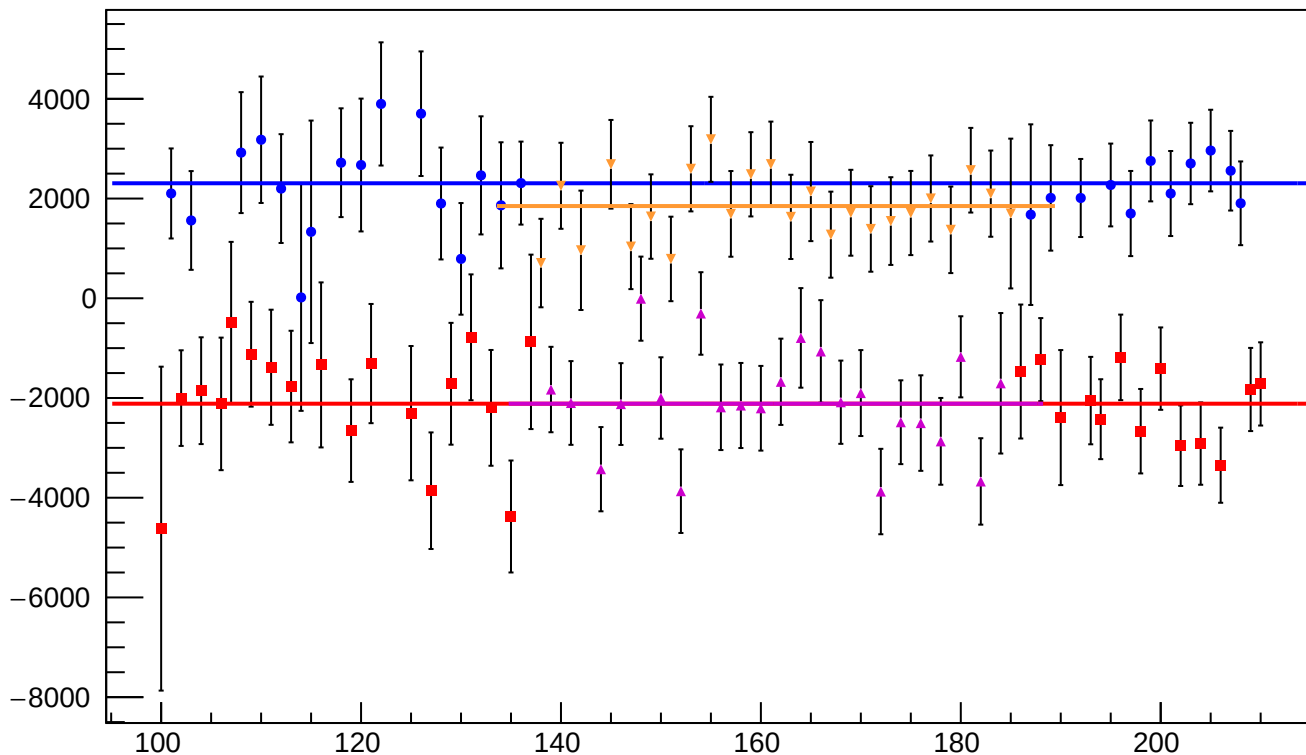


reg_asym_us_avg_mean vs Slug



Right In: 2306.510+/-194.684

χ^2/NDF : 10.2/26

+ sign 2061.102+/-132.458

χ^2/NDF : 26.0/50

Left Out: 1849.592+/-180.739

χ^2/NDF : 12.8/23

All: -68.674+/-92.715

χ^2/NDF : 584.9/104

Right Out: -2114.439+/-185.197

χ^2/NDF : 21.0/30

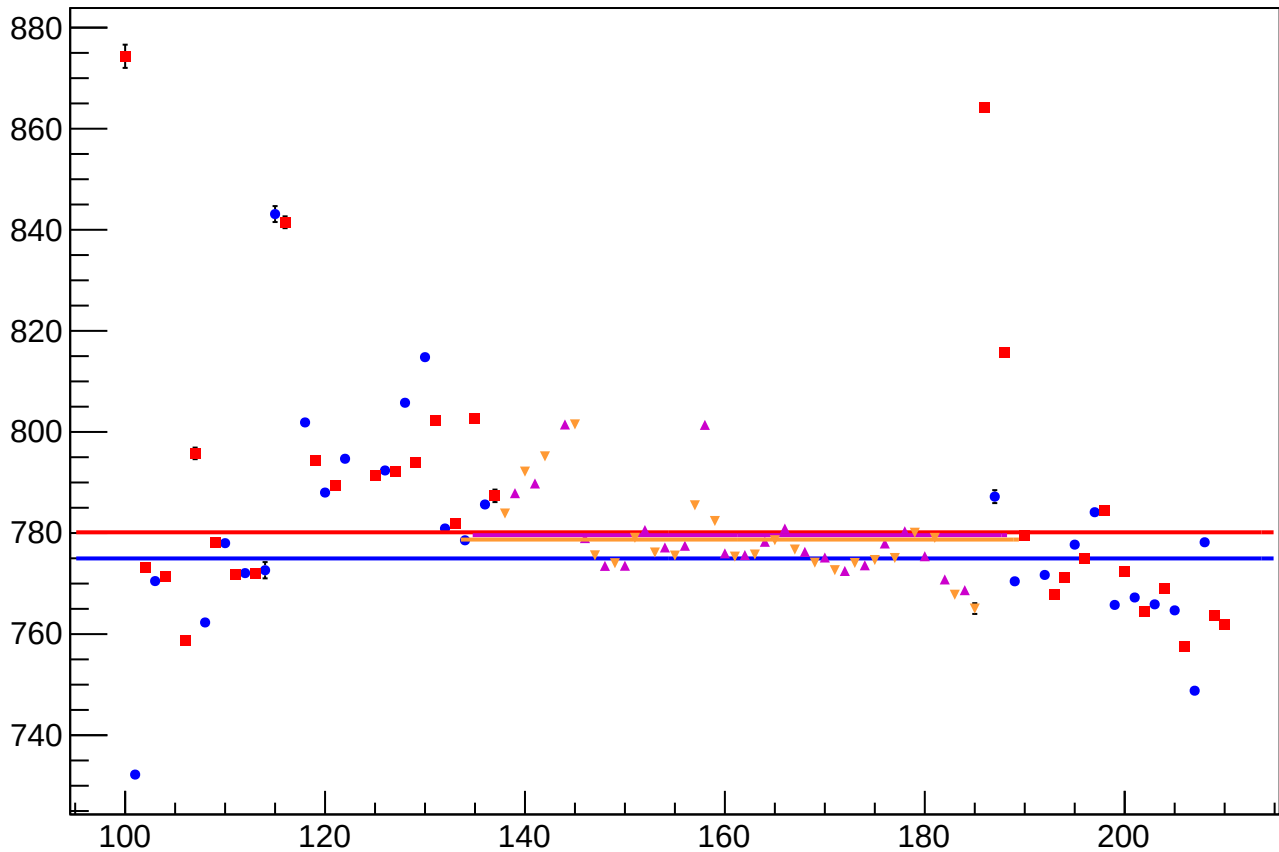
- sign -2114.440+/-129.819

χ^2/NDF : 52.0/53

Left In: -2114.442+/-182.028

χ^2/NDF : 31.1/22

reg_asym_us_avg_rms vs Slug



Right In: 774.973 $\pm$ 0.138 χ^2 /NDF: 16951.9/26

Left Out: 778.708 $\pm$ 0.128 χ^2 /NDF:3389.8/23

Right Out: 780.143 $\pm$ 0.131 χ^2 /NDF: 25236.1/30

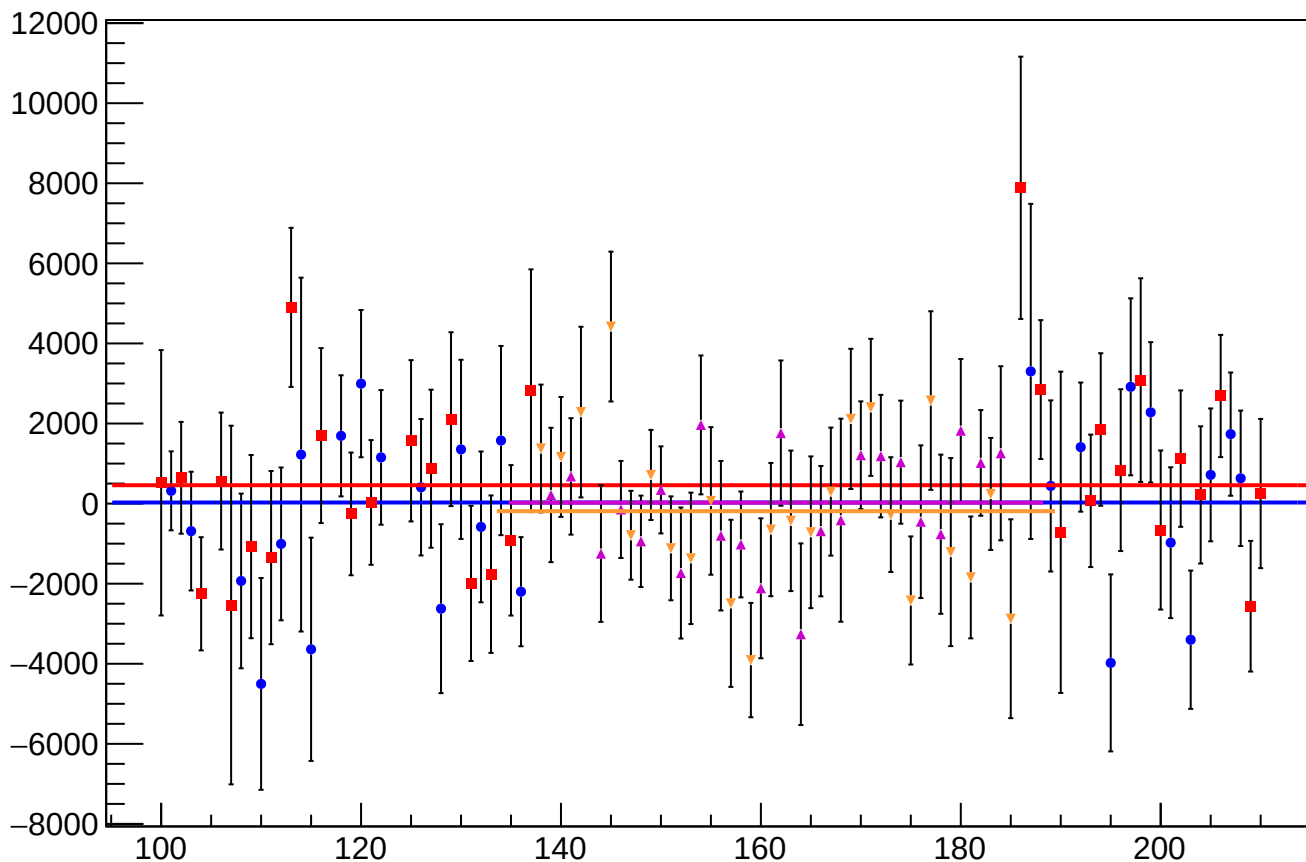
Left In: 779.575 $\pm$ 0.129 χ^2 /NDF:4172.9/22

+ sign 776.979 $\pm$ 0.094 χ^2 /NDF: 20737.0/50

All: 778.446 $\pm$ 0.066 χ^2 /NDF: 50636.1/104

- sign 779.854 $\pm$ 0.092 χ^2 /NDF: 29418.6/53

asym_us_avg_reg_correction_mean vs Slug



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

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

Right Out: 458.965+/-345.135 χ^2/NDF : 30.7/30

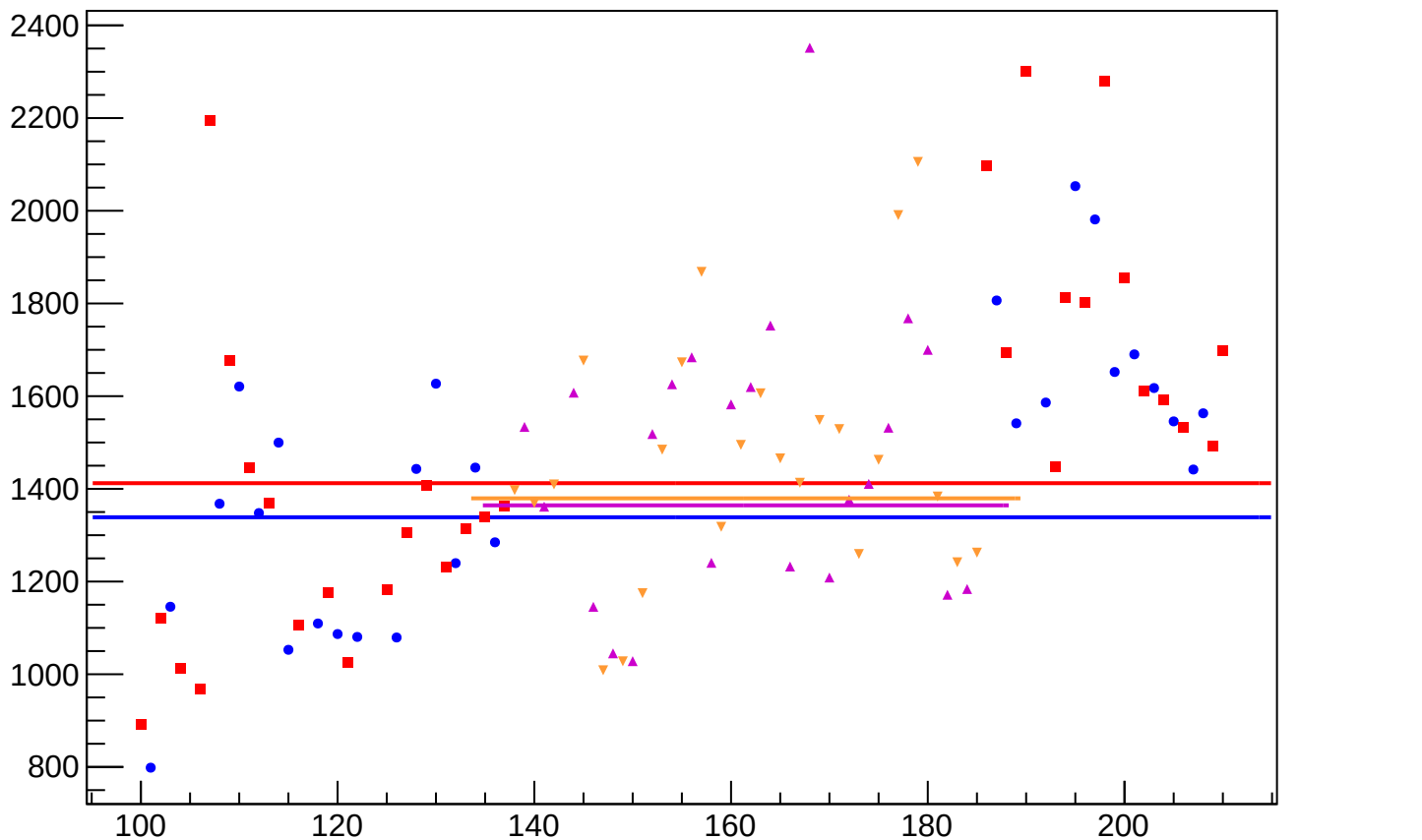
Left In: 23.750+/-325.809 χ^2/NDF : 13.5/22

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

All: 71.785+/-168.015 χ^2/NDF : 105.1/104

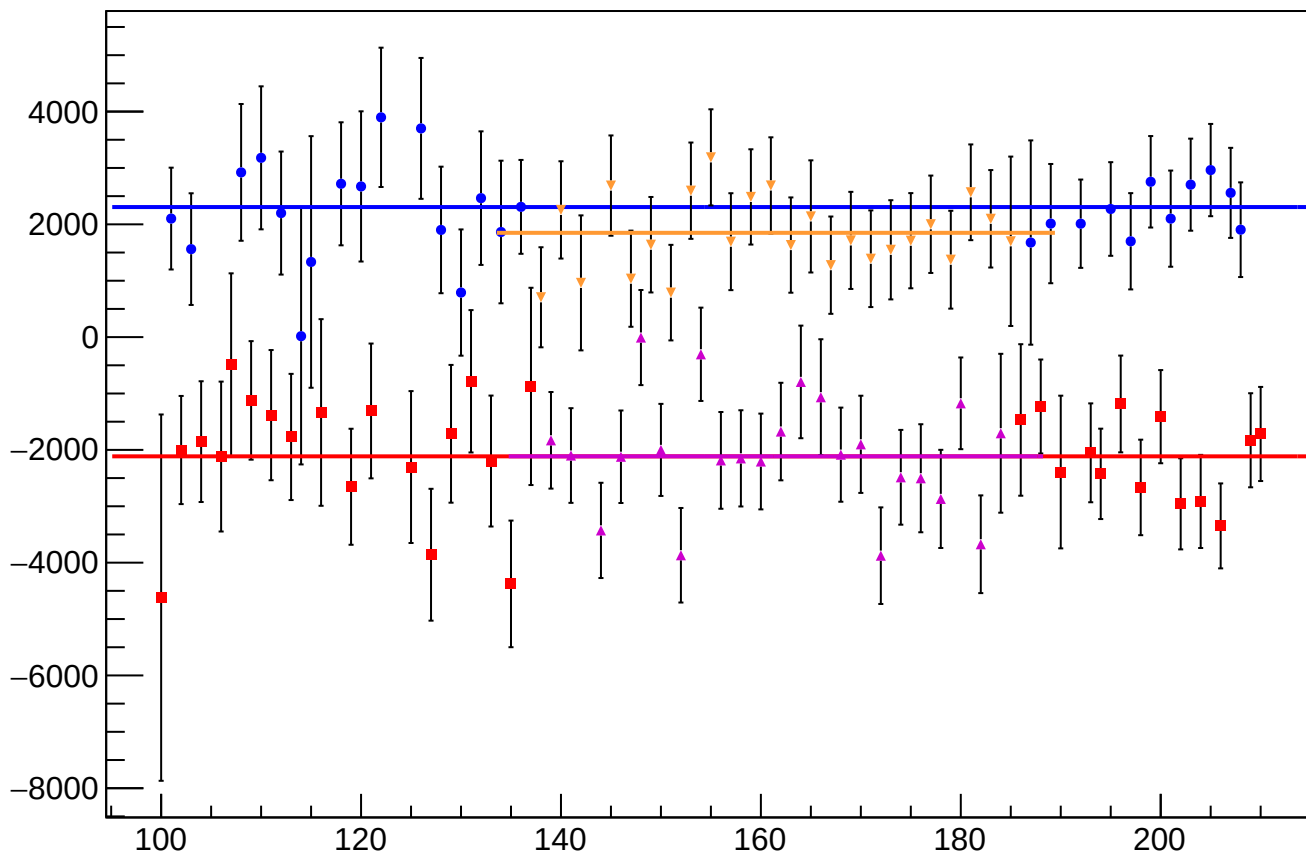
- sign 228.832+/-236.919 χ^2/NDF : 45.0/53

asym_us_avg_reg_correction_rms vs Slug



Right In: 1338.730+/-0.246	χ^2/NDF : 1638248.7/26	+ sign 1360.313+/-0.169	χ^2/NDF : 2811328.9/50
Left Out: 1379.536+/-0.232	χ^2/NDF : 1158468.5/23	All: 1373.708+/-0.119	χ^2/NDF : 5792877.8/10
Right Out: 1412.236+/-0.244	χ^2/NDF : 1636378.1/30	- sign 1386.948+/-0.168	χ^2/NDF : 2968983.8/53
Left In: 1364.412+/-0.230	χ^2/NDF : 1312299.5/22		

cor_asym_us_avg_mean vs Slug



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

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

Right Out: -2114.439 ± 185.197 χ^2/NDF : 21.0/30

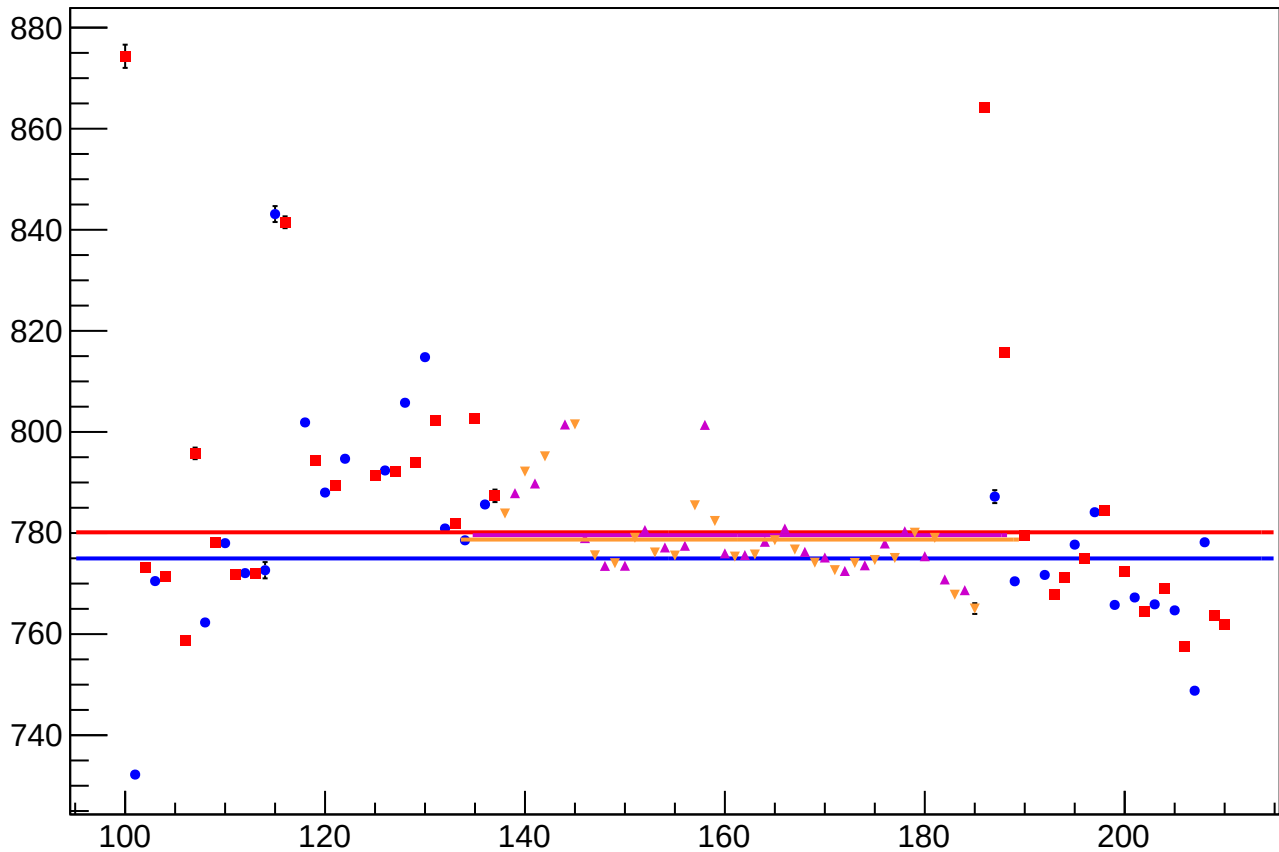
Left In: -2114.442 ± 182.028 χ^2/NDF : 31.1/22

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

All: -68.674 ± 92.715 χ^2/NDF : 584.9/104

- sign -2114.440 ± 129.819 χ^2/NDF : 52.0/53

cor_asym_us_avg_rms vs Slug



Right In: 774.973 $\pm$ 0.138 χ^2 /NDF: 16951.9/26

Left Out: 778.708 $\pm$ 0.128 χ^2 /NDF: 3389.8/23

Right Out: 780.143 $\pm$ 0.131 χ^2 /NDF: 25236.1/30

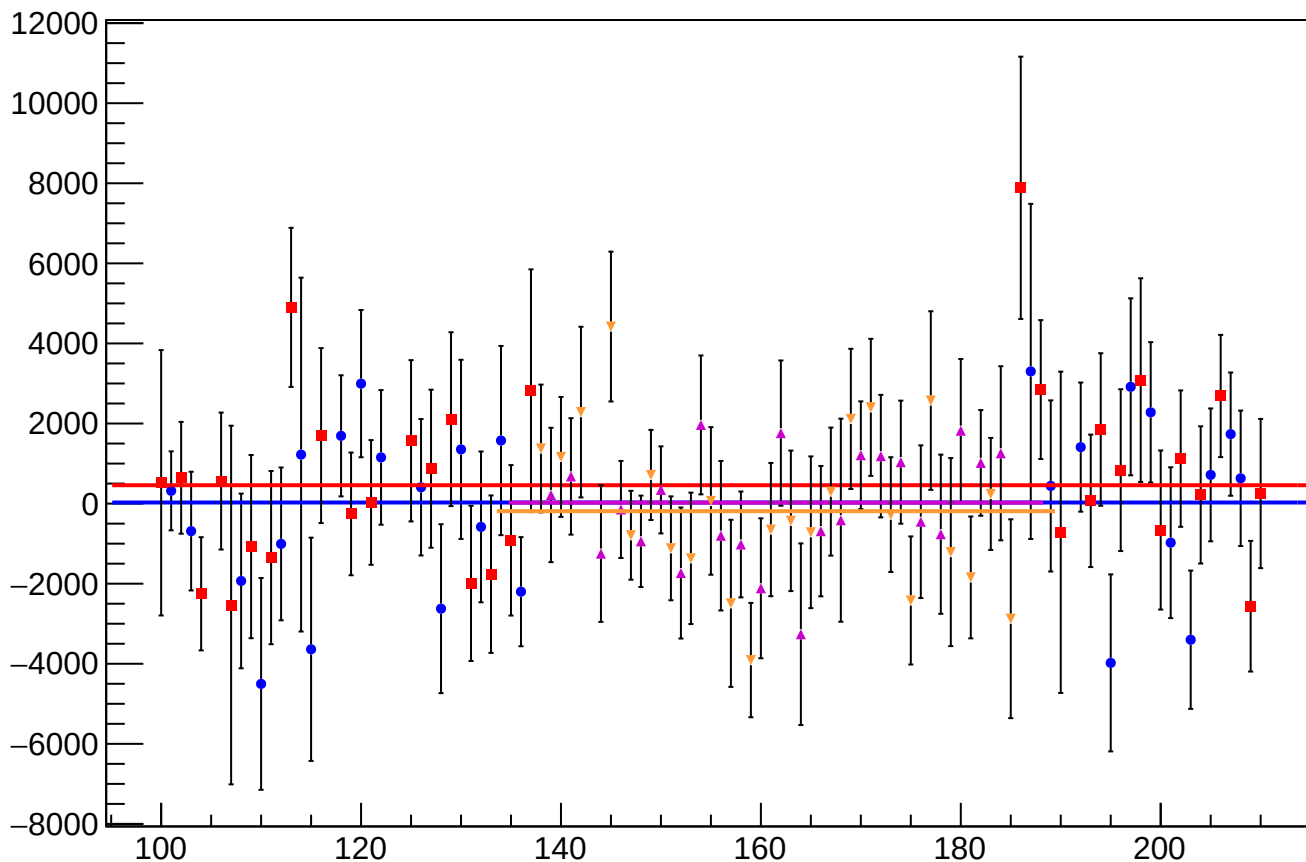
Left In: 779.575 $\pm$ 0.129 χ^2 /NDF: 4172.9/22

+ sign 776.979 $\pm$ 0.094 χ^2 /NDF: 20737.0/50

All: 778.446 $\pm$ 0.066 χ^2 /NDF: 50636.1/104

- sign 779.854 $\pm$ 0.092 χ^2 /NDF: 29418.6/53

asym_us_avg_cor_correction_mean vs Slug



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

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

Right Out: 458.965+/-345.135 χ^2/NDF : 30.7/30

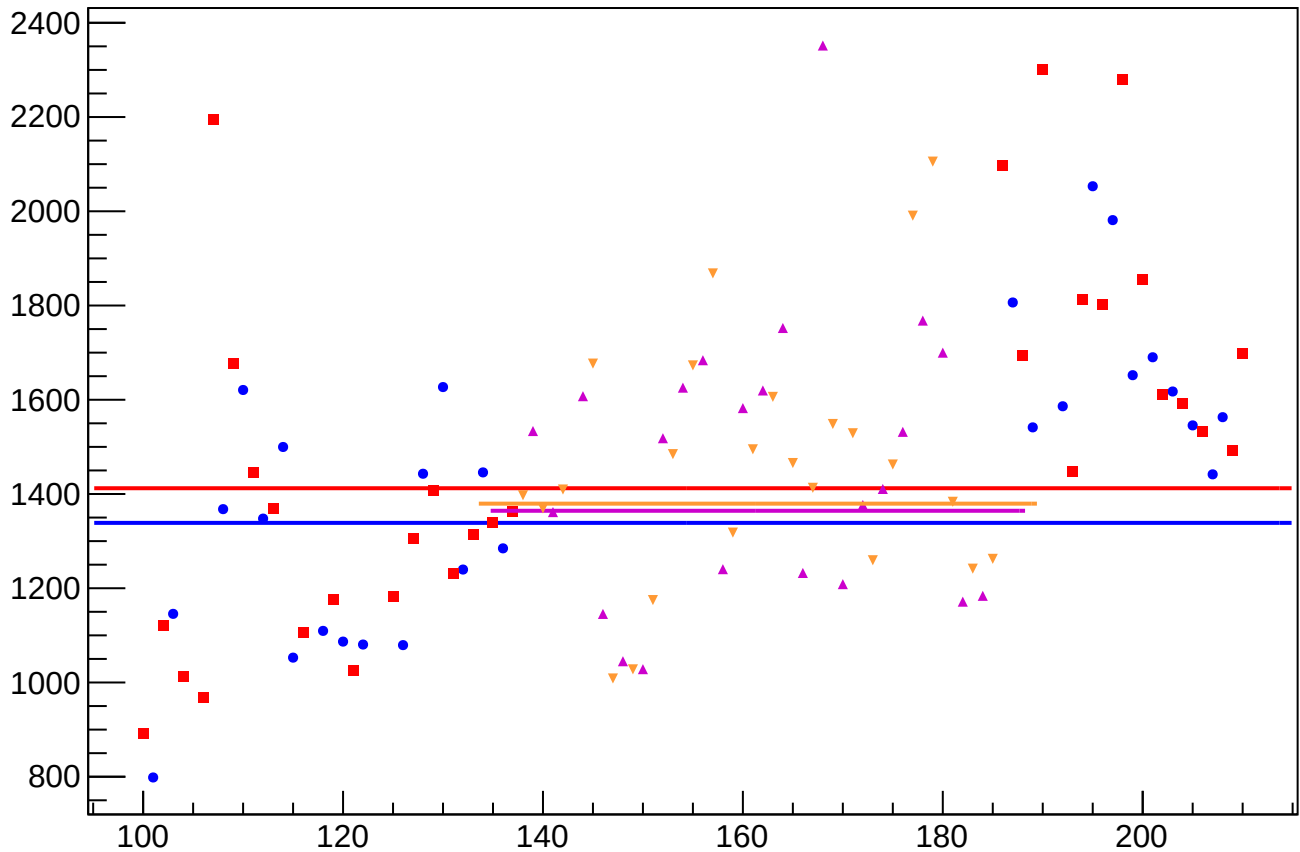
Left In: 23.750+/-325.809 χ^2/NDF : 13.5/22

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

All: 71.785+/-168.015 χ^2/NDF : 105.1/104

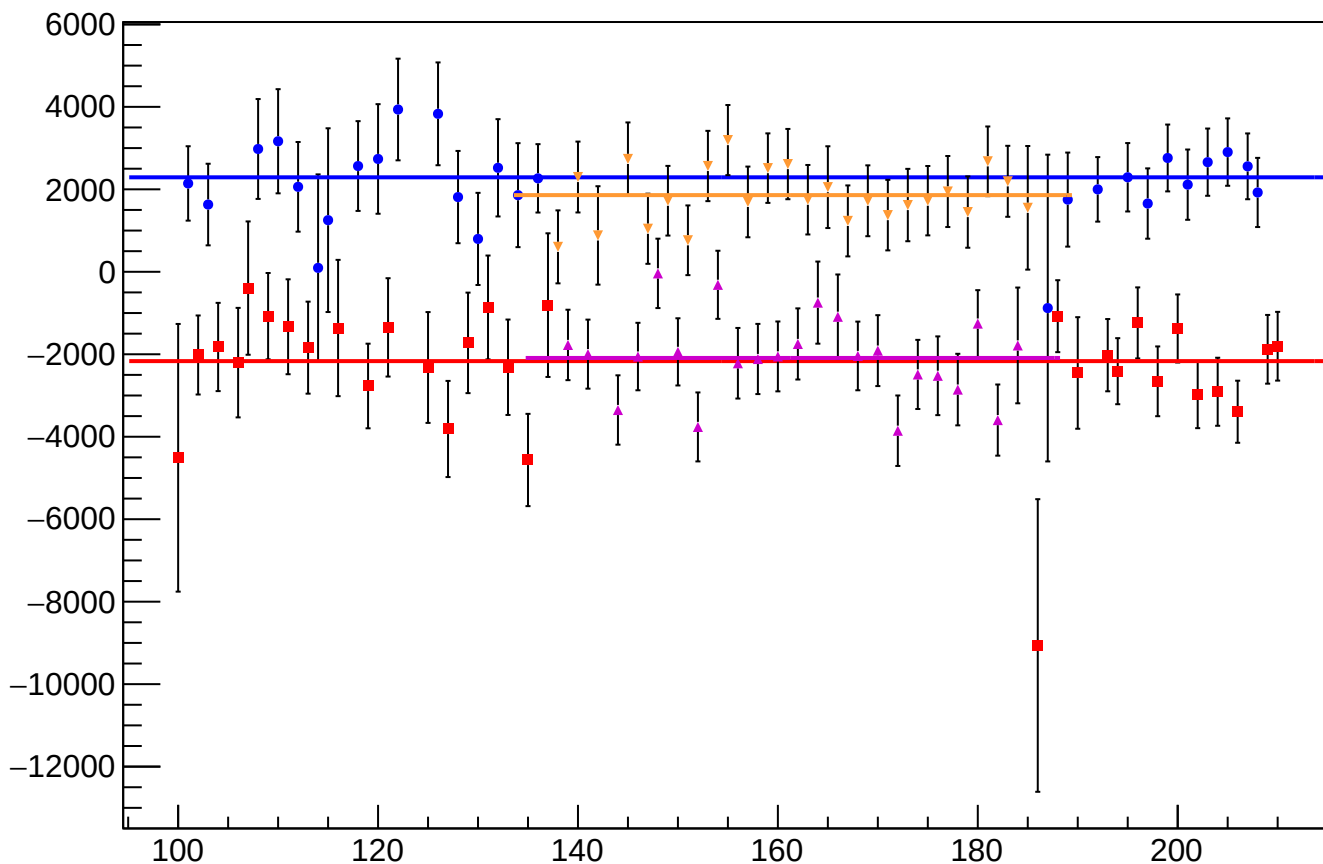
- sign 228.832+/-236.919 χ^2/NDF : 45.0/53

asym_us_avg_cor_correction_rms vs Slug



Right In: 1338.730+/-0.246	χ^2/NDF : 1638248.7/26	+ sign 1360.313+/-0.169	χ^2/NDF : 2811328.9/50
Left Out: 1379.536+/-0.232	χ^2/NDF : 1158468.5/23	All: 1373.708+/-0.119	χ^2/NDF : 5792877.8/10
Right Out: 1412.236+/-0.244	χ^2/NDF : 1636378.1/30	- sign 1386.948+/-0.168	χ^2/NDF : 2968983.8/53
Left In: 1364.412+/-0.230	χ^2/NDF : 1312299.5/22		

overload_cor_asym_us_avg_mean vs Slug



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

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

Right Out: -2166.089 ± 186.902 χ^2/NDF : 25.7/30

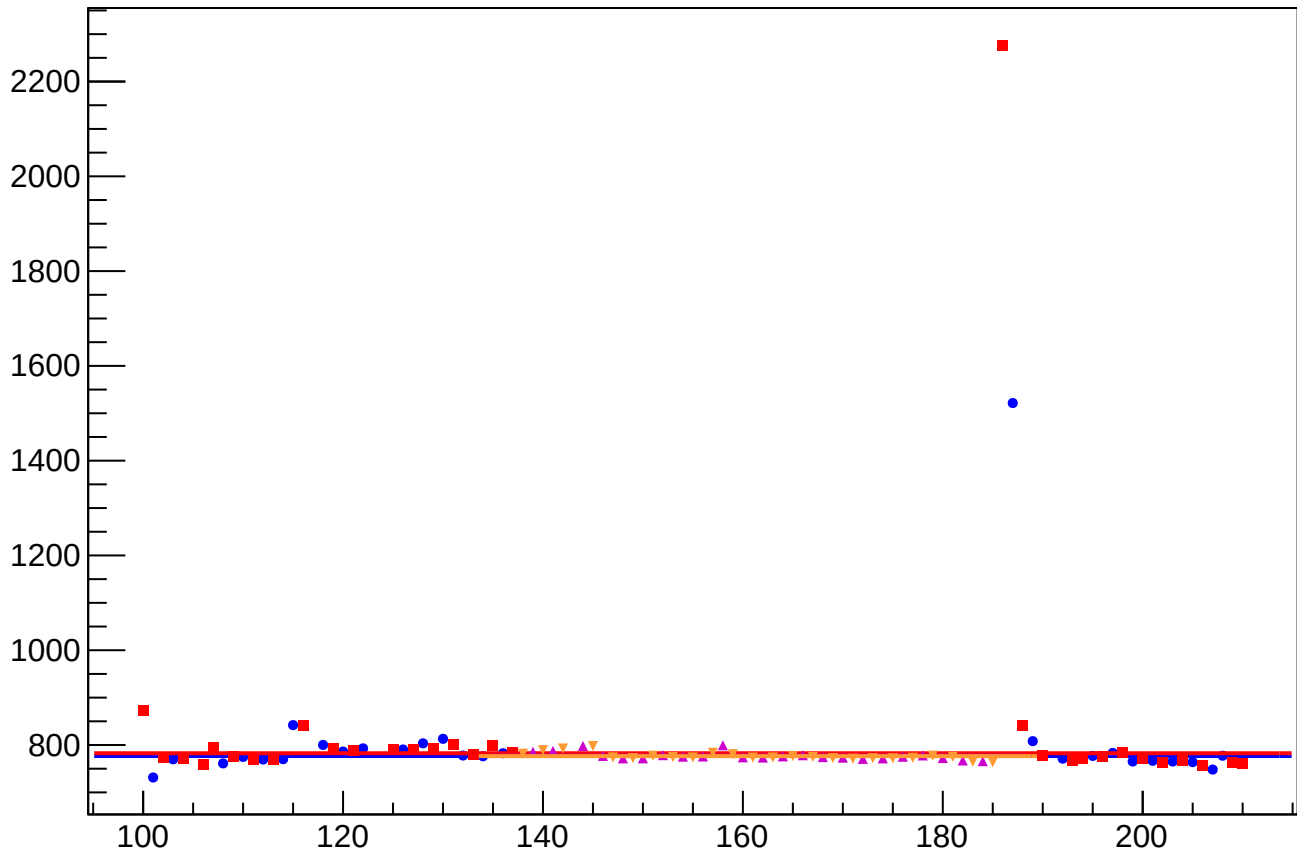
Left In: -2089.493 ± 181.523 χ^2/NDF : 29.6/22

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

All: -72.076 ± 92.900 χ^2/NDF : 589.8/104

- sign -2126.673 ± 130.216 χ^2/NDF : 55.4/53

overload_cor_asym_us_avg_rms vs Slug



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

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

Right Out: 782.609+/-0.132 χ^2/NDF : 378559.8/30

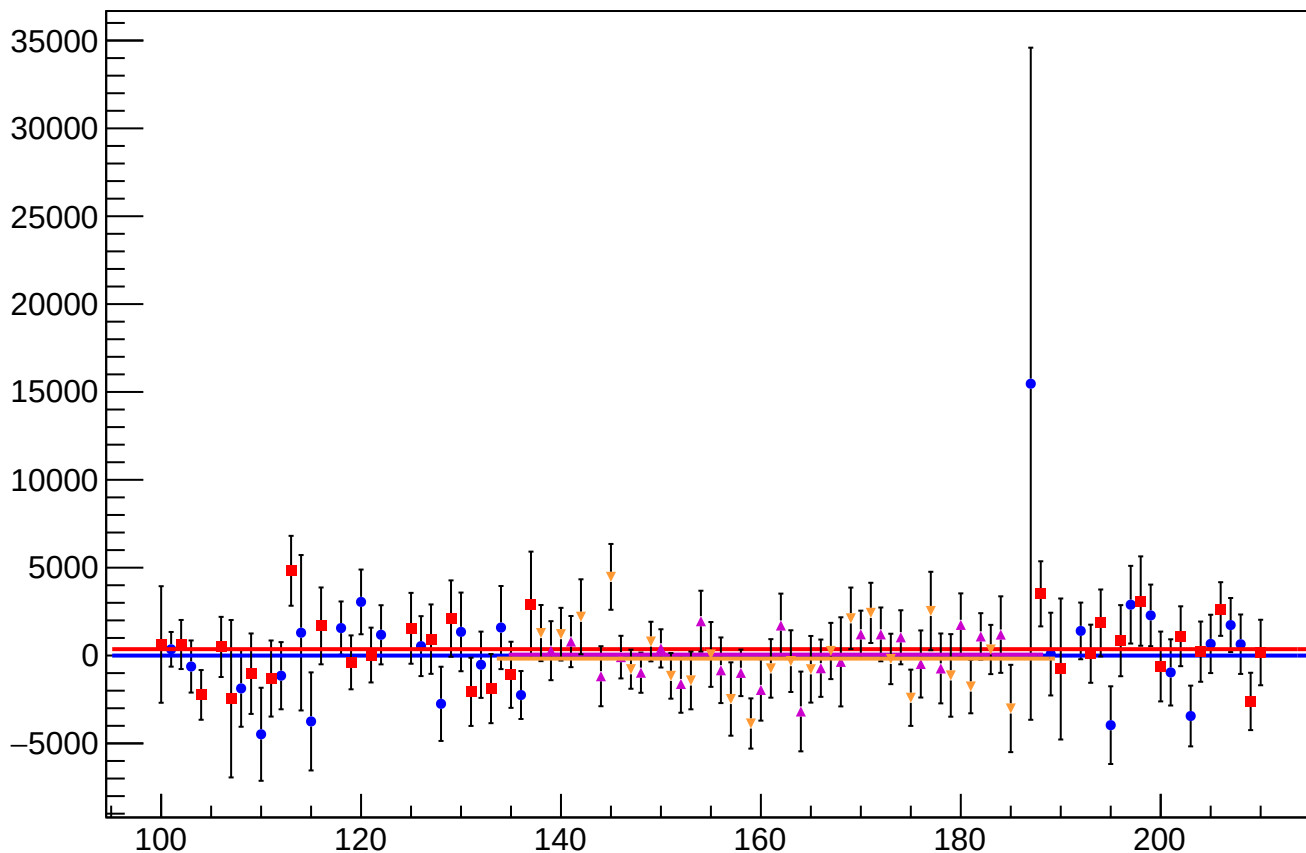
Left In: 777.413+/-0.128 χ^2/NDF : 4062.1/22

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

All: 778.324+/-0.066 χ^2/NDF : 485506.3/104

- sign 779.935+/-0.092 χ^2/NDF : 383417.5/53

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: -2.659 ± 349.408 $\chi^2/\text{NDF}: 29.7/26$

Left Out: -174.932 ± 327.991 $\chi^2/\text{NDF}: 29.6/23$

Right Out: 362.394 ± 348.146 $\chi^2/\text{NDF}: 26.5/29$

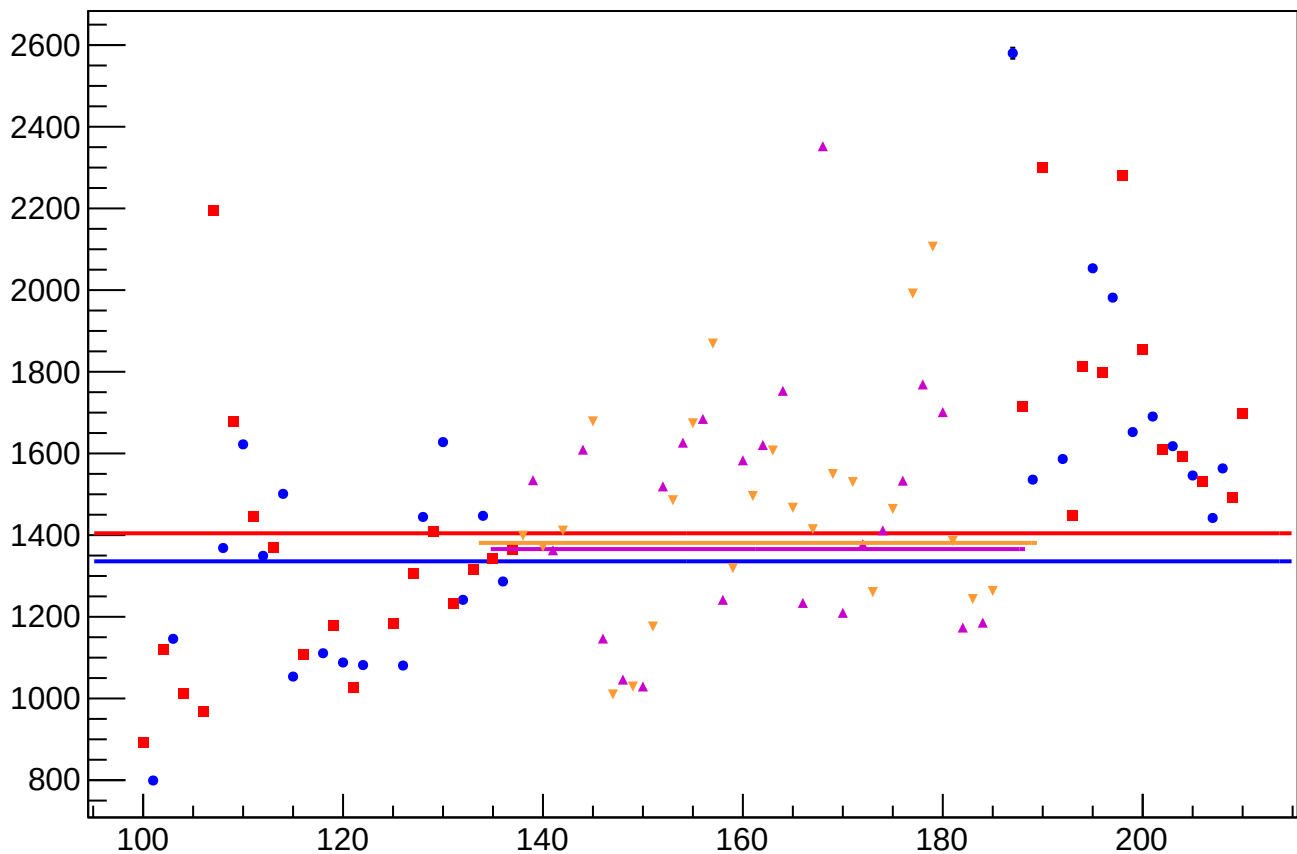
Left In: 52.820 ± 326.124 $\chi^2/\text{NDF}: 13.0/22$

+ sign -94.237 ± 239.138 $\chi^2/\text{NDF}: 59.4/50$

All: 52.325 ± 168.696 $\chi^2/\text{NDF}: 100.1/103$

- sign 197.508 ± 238.009 $\chi^2/\text{NDF}: 39.9/52$

asym_us_avg_overload_cor_correction_rms vs Slug



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

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

Right Out: 1404.525+/-0.246 χ^2/NDF : 1541855.2/29

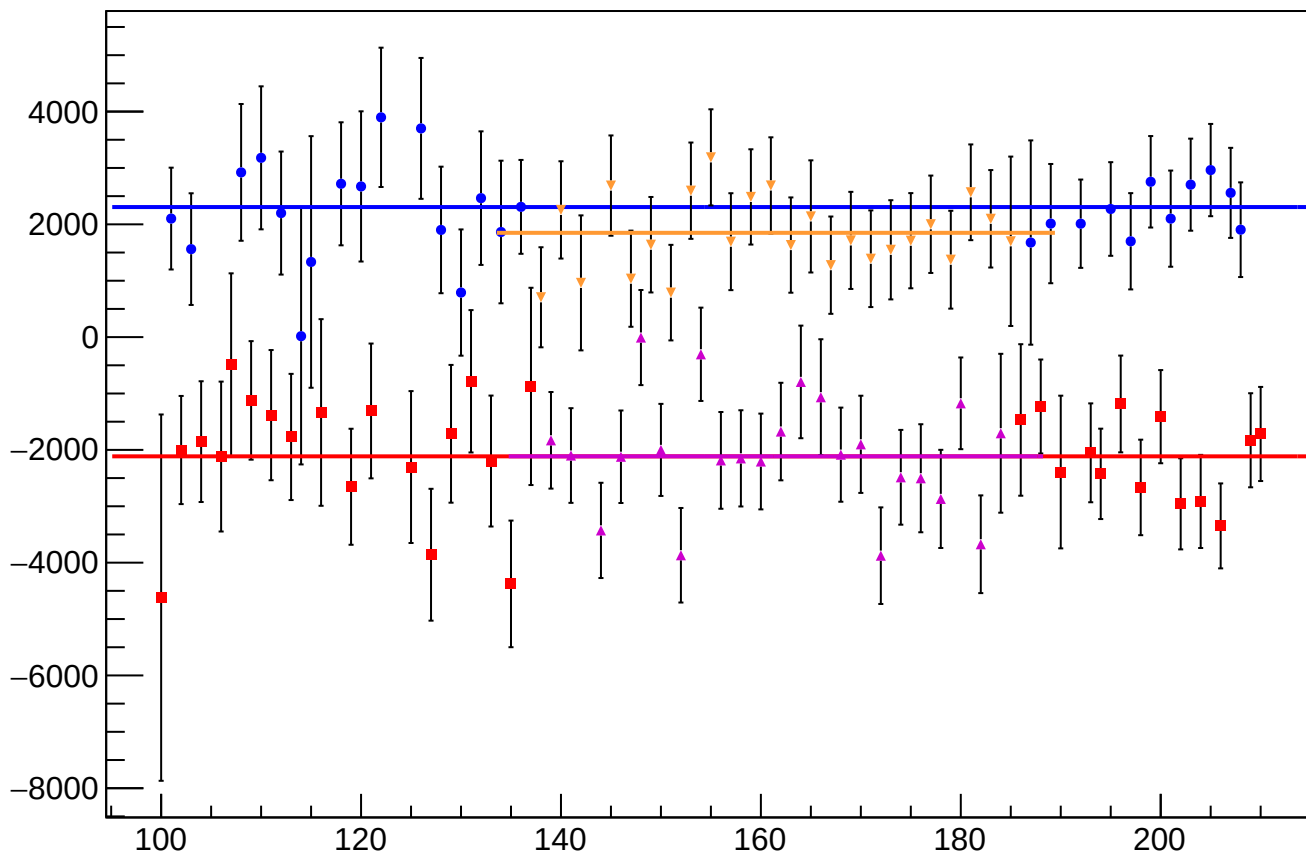
Left In: 1365.811+/-0.231 χ^2/NDF : 1308862.5/22

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

All: 1371.924+/-0.119 χ^2/NDF : 5660577.0/10

- sign 1383.905+/-0.168 χ^2/NDF : 2863890.1/52

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2306.510 $\pm$ 194.684 χ^2 /NDF: 10.2/26

Left Out: 1849.592 $\pm$ 180.739 χ^2 /NDF:12.8/23

Right Out: -2114.439 $\pm$ 185.197 χ^2 /NDF: 21.0/30

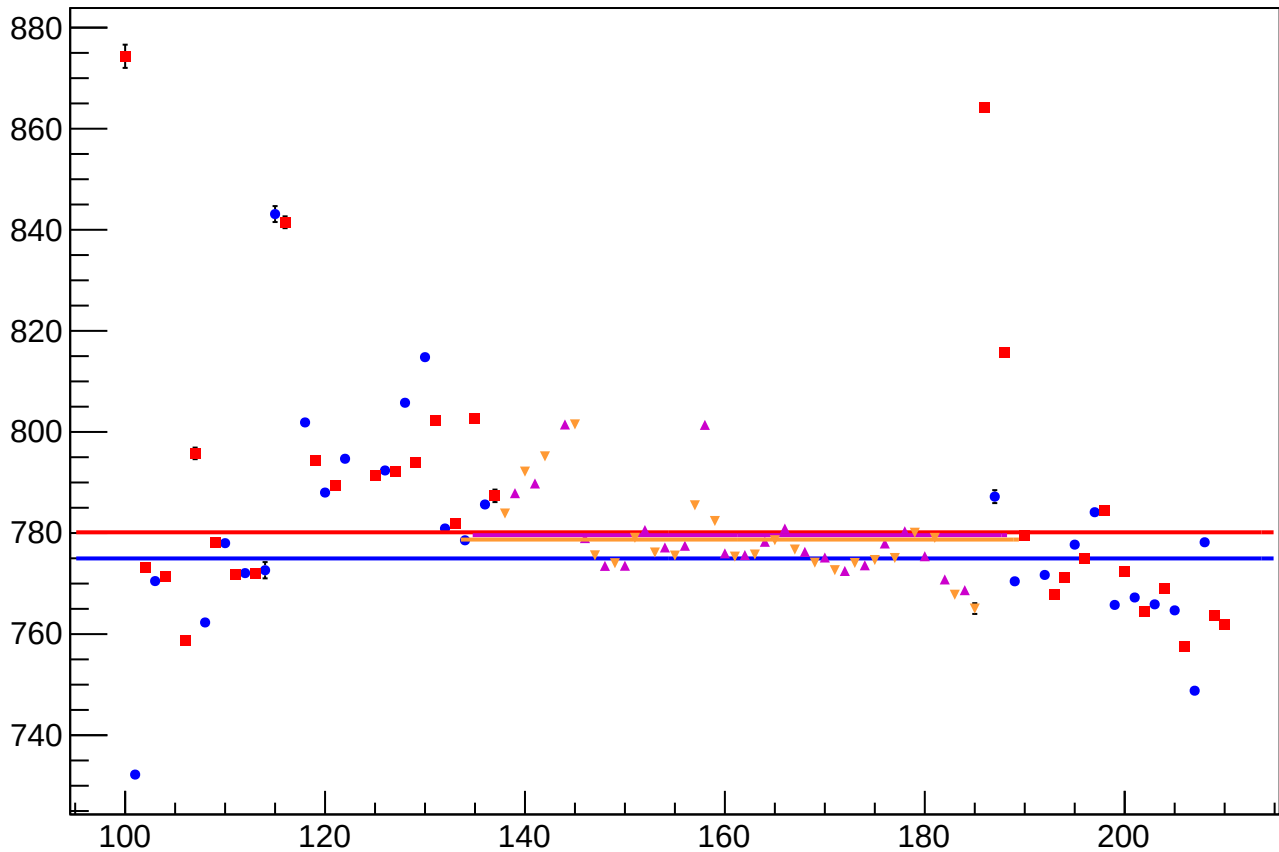
Left In: -2114.442 $\pm$ 182.028 χ^2 /NDF:31.1/22

+ sign 2061.102 $\pm$ 132.458 χ^2 /NDF: 26.0/50

All: -68.674 $\pm$ 92.715 χ^2 /NDF: 584.9/104

- sign -2114.440 $\pm$ 129.819 χ^2 /NDF: 52.0/53

eigen_cor_asym_us_avg_rms vs Slug



Right In: 774.973 $\pm$ 0.138 χ^2 /NDF: 16951.9/26

Left Out: 778.708 $\pm$ 0.128 χ^2 /NDF: 3389.8/23

Right Out: 780.143 $\pm$ 0.131 χ^2 /NDF: 25236.1/30

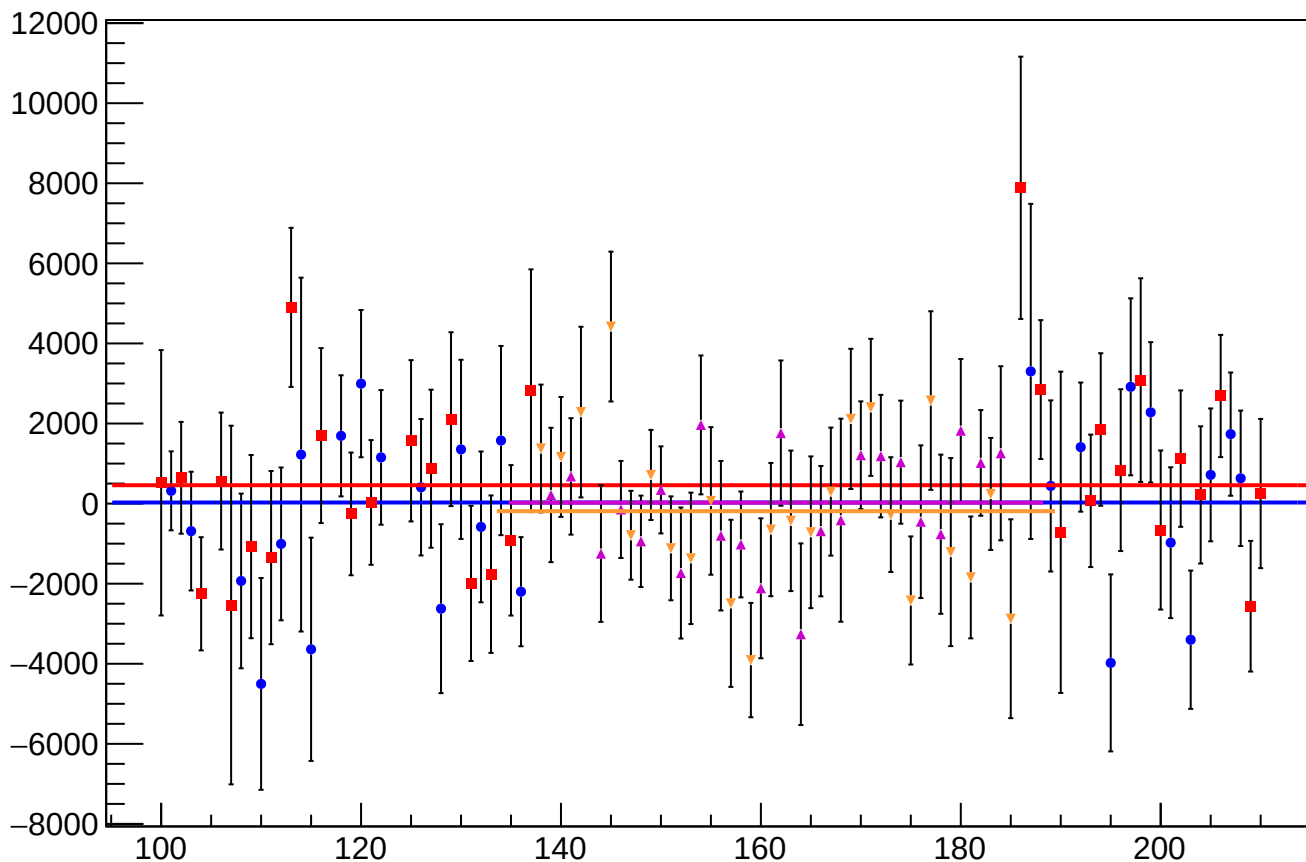
Left In: 779.575 $\pm$ 0.129 χ^2 /NDF: 4172.9/22

+ sign 776.979 $\pm$ 0.094 χ^2 /NDF: 20737.0/50

All: 778.446 $\pm$ 0.066 χ^2 /NDF: 50636.1/104

- sign 779.854 $\pm$ 0.092 χ^2 /NDF: 29418.6/53

asym_us_avg_eigen_cor_correction_mean vs Slug



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

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

Right Out: 458.965+/-345.135 χ^2/NDF : 30.7/30

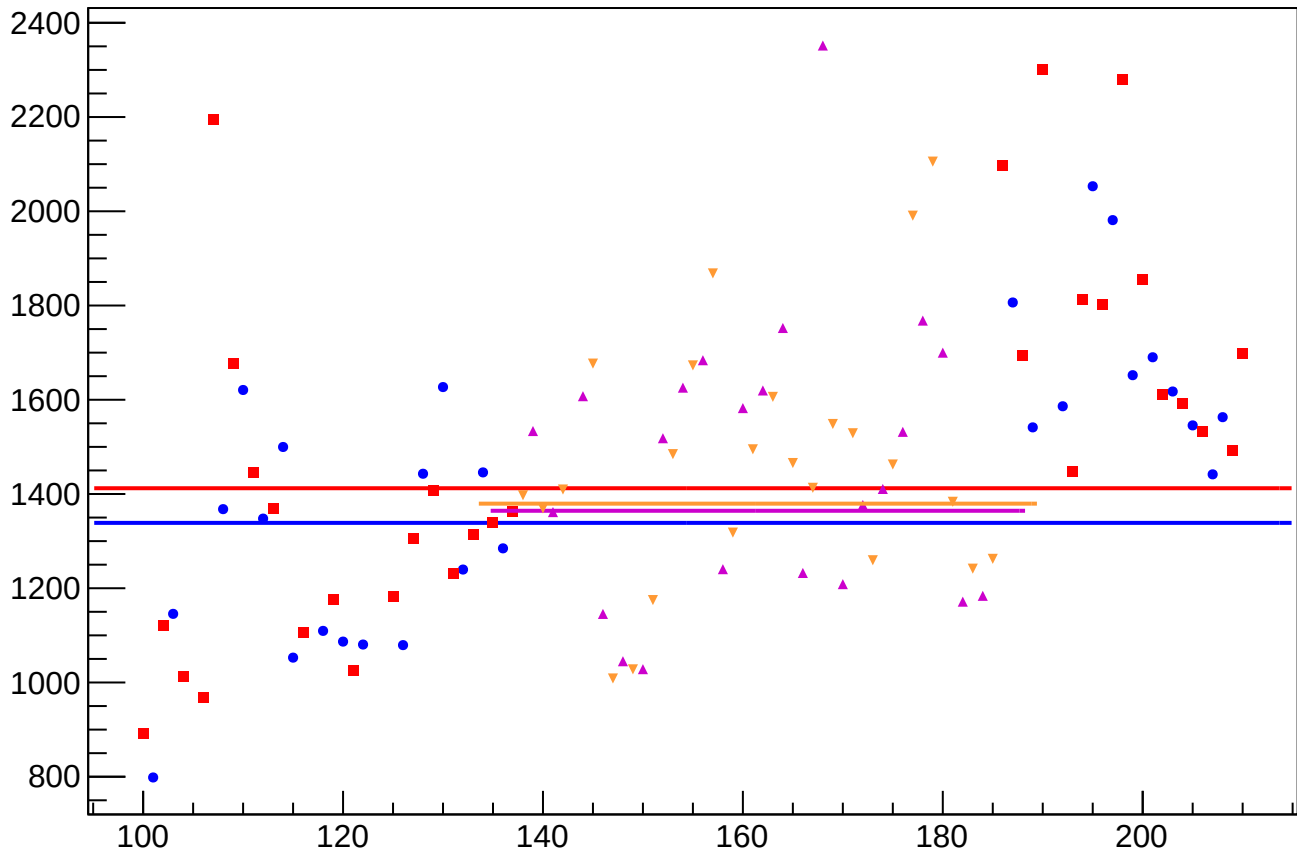
Left In: 23.750+/-325.809 χ^2/NDF : 13.5/22

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

All: 71.785+/-168.015 χ^2/NDF : 105.1/104

- sign 228.832+/-236.919 χ^2/NDF : 45.0/53

asym_us_avg_eigen_cor_correction_rms vs Slug



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

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

Right Out: 1412.236+/-0.244 χ^2/NDF : 1636378.1/30

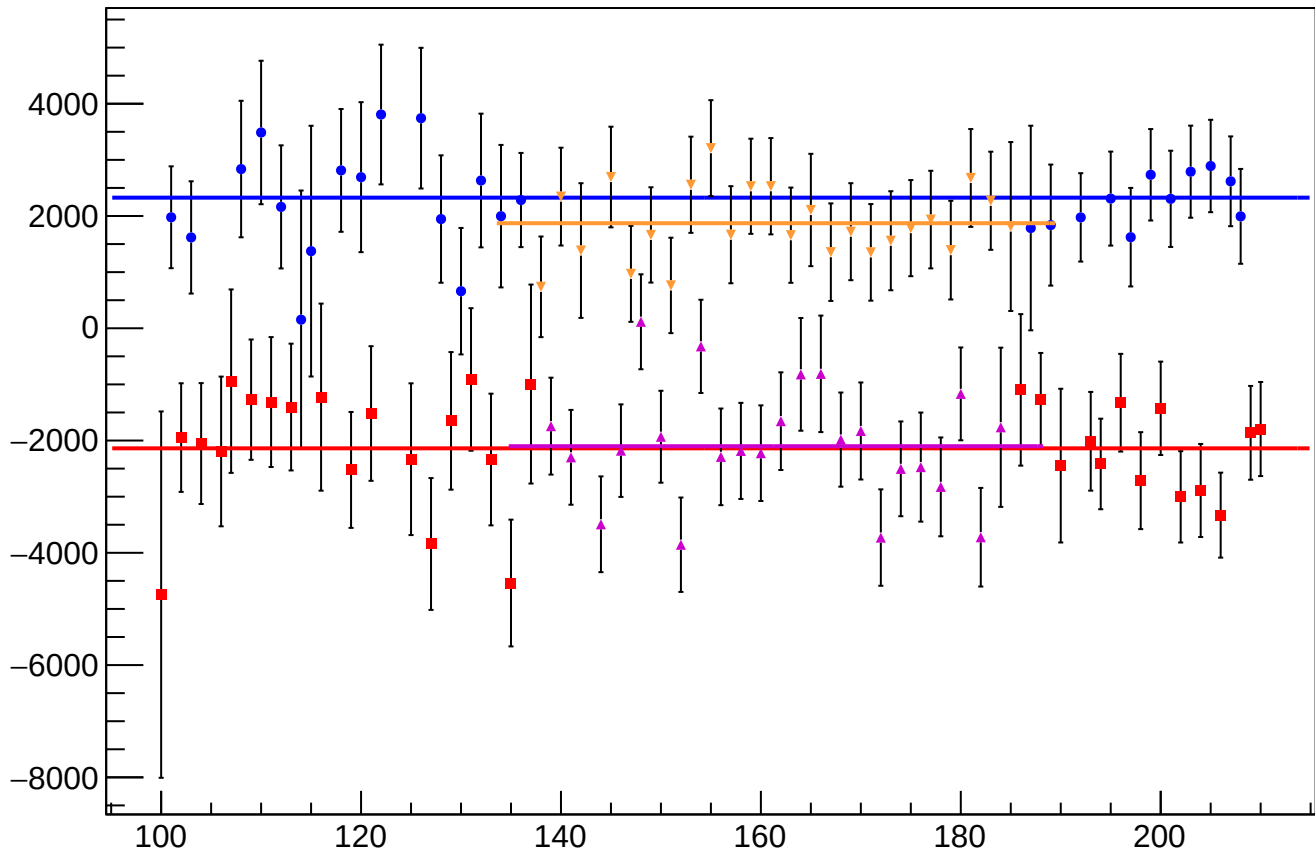
Left In: 1364.412+/-0.230 χ^2/NDF : 1312299.5/22

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

All: 1373.708+/-0.119 χ^2/NDF : 5792877.8/10

- sign 1386.948+/-0.168 χ^2/NDF : 2968983.8/53

dit_asym_us_avg_mean vs Slug



Right In: 2326.947 $\pm$ 196.081 χ^2/NDF : 10.6/26

Left Out: 1871.457 $\pm$ 181.976 χ^2/NDF :12.5/23

Right Out: -2138.809 $\pm$ 186.462 χ^2/NDF : 20.3/30

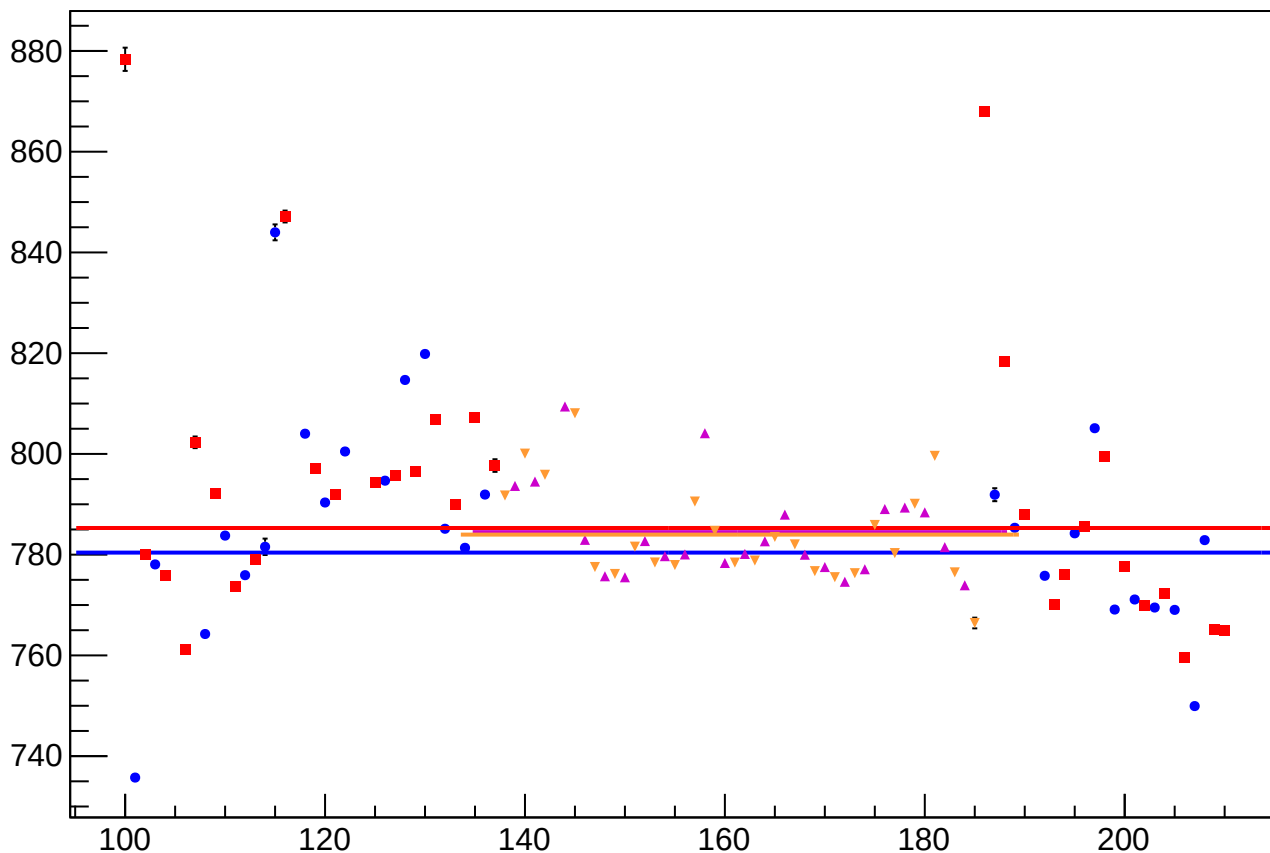
Left In: -2101.047 $\pm$ 183.179 χ^2/NDF :31.8/22

+ sign 2082.232 $\pm$ 133.385 χ^2/NDF : 26.0/50

All: -61.837 $\pm$ 93.344 χ^2/NDF : 584.4/104

- sign -2119.593 $\pm$ 130.672 χ^2/NDF : 52.1/53

dit_asym_us_avg_rms vs Slug



Right In: 780.409 $\pm$ 0.139 χ^2 /NDF: 19477.5/26

Left Out: 783.982 $\pm$ 0.129 χ^2 /NDF: 4928.0/23

Right Out: 785.294 $\pm$ 0.132 χ^2 /NDF: 26097.5/30

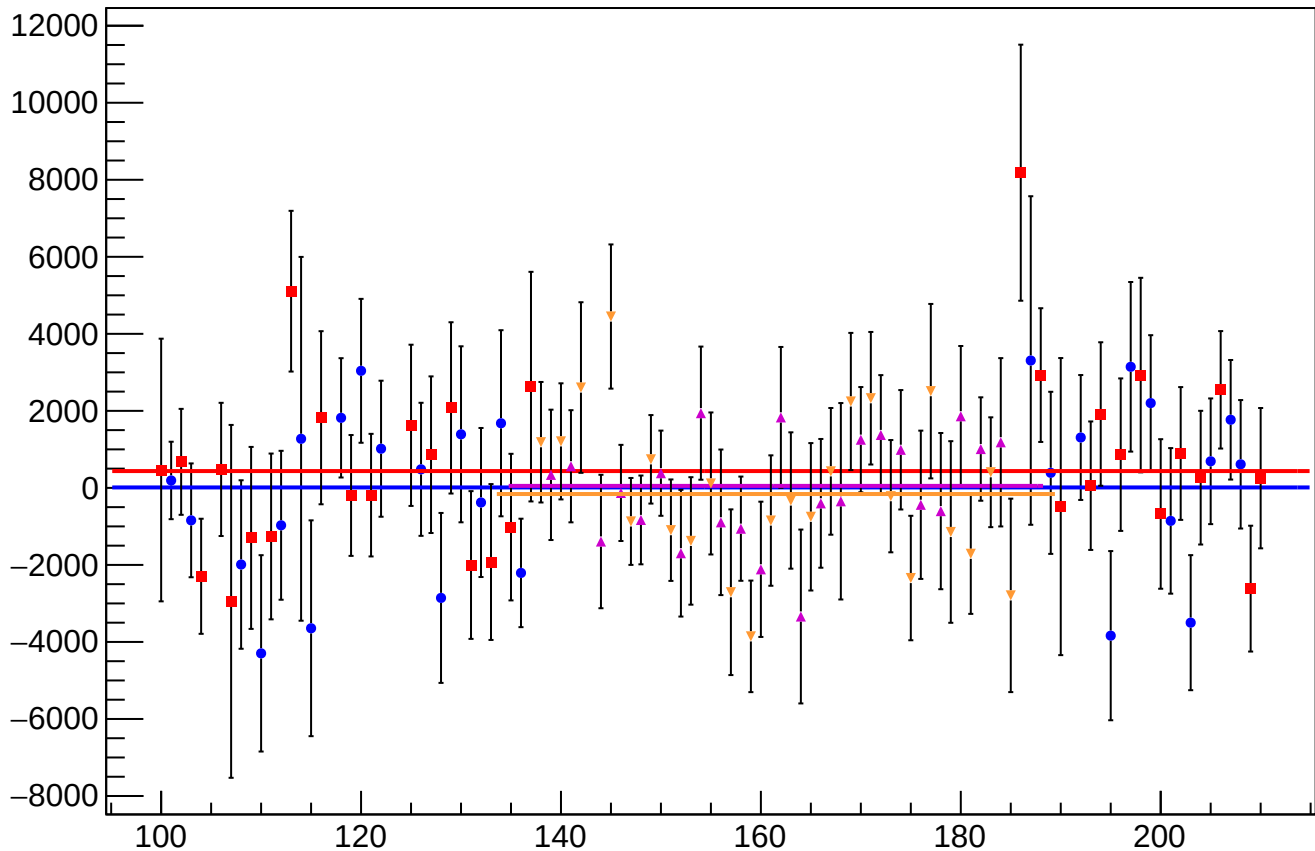
Left In: 784.473 $\pm$ 0.130 χ^2 /NDF: 4927.7/22

+ sign 782.328 $\pm$ 0.094 χ^2 /NDF: 24762.2/50

All: 783.628 $\pm$ 0.066 χ^2 /NDF: 56179.6/104

- sign 784.876 $\pm$ 0.092 χ^2 /NDF: 31045.0/53

asym_us_avg_dit_correction_mean vs Slug



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

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

Right Out: 436.733 ± 348.493 χ^2/NDF : 30.9/30

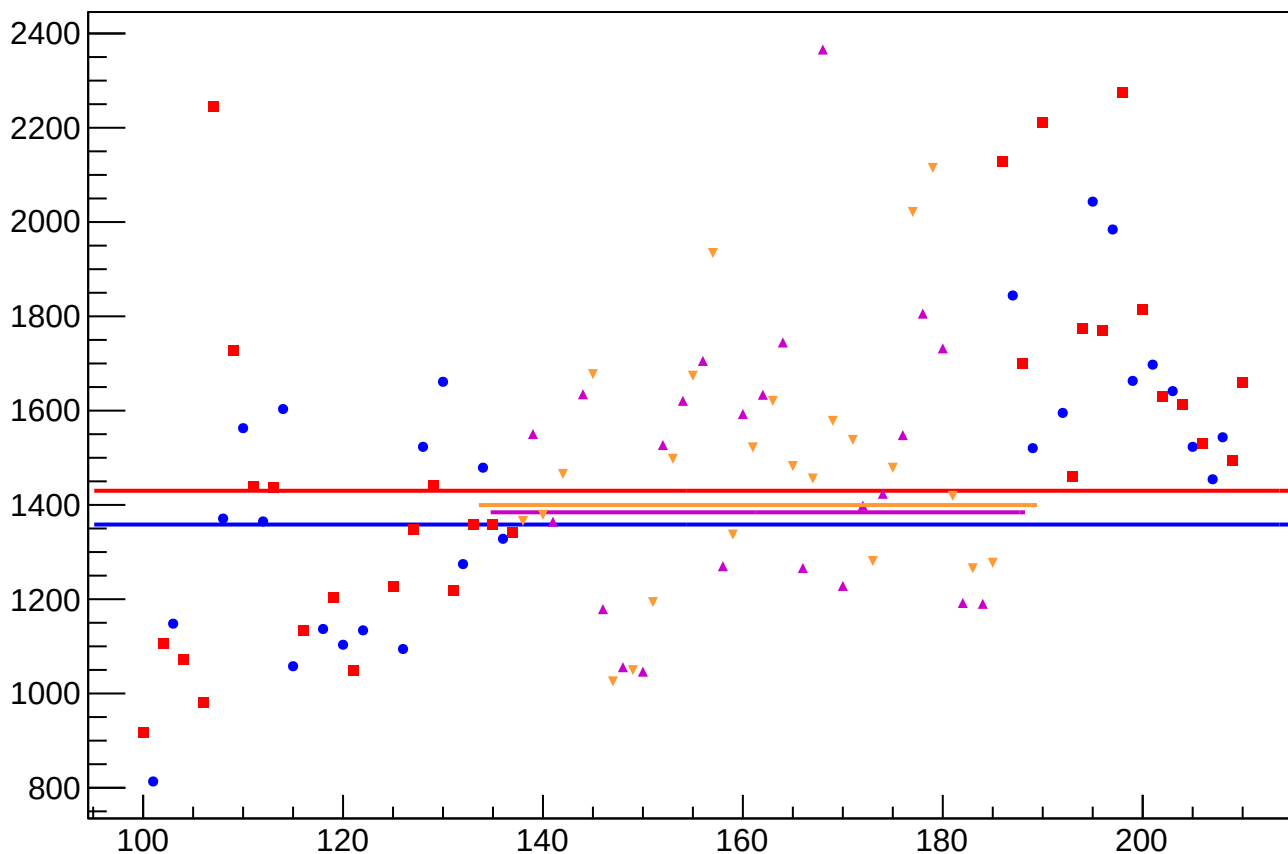
Left In: 51.975 ± 330.206 χ^2/NDF : 13.4/22

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

All: 78.805 ± 170.085 χ^2/NDF : 104.3/104

- sign 233.995 ± 239.695 χ^2/NDF : 44.9/53

asym_us_avg_dit_correction_rms vs Slug



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

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

Right Out: 1430.045+/-0.246 χ^2 /NDF: 1487196.0/30

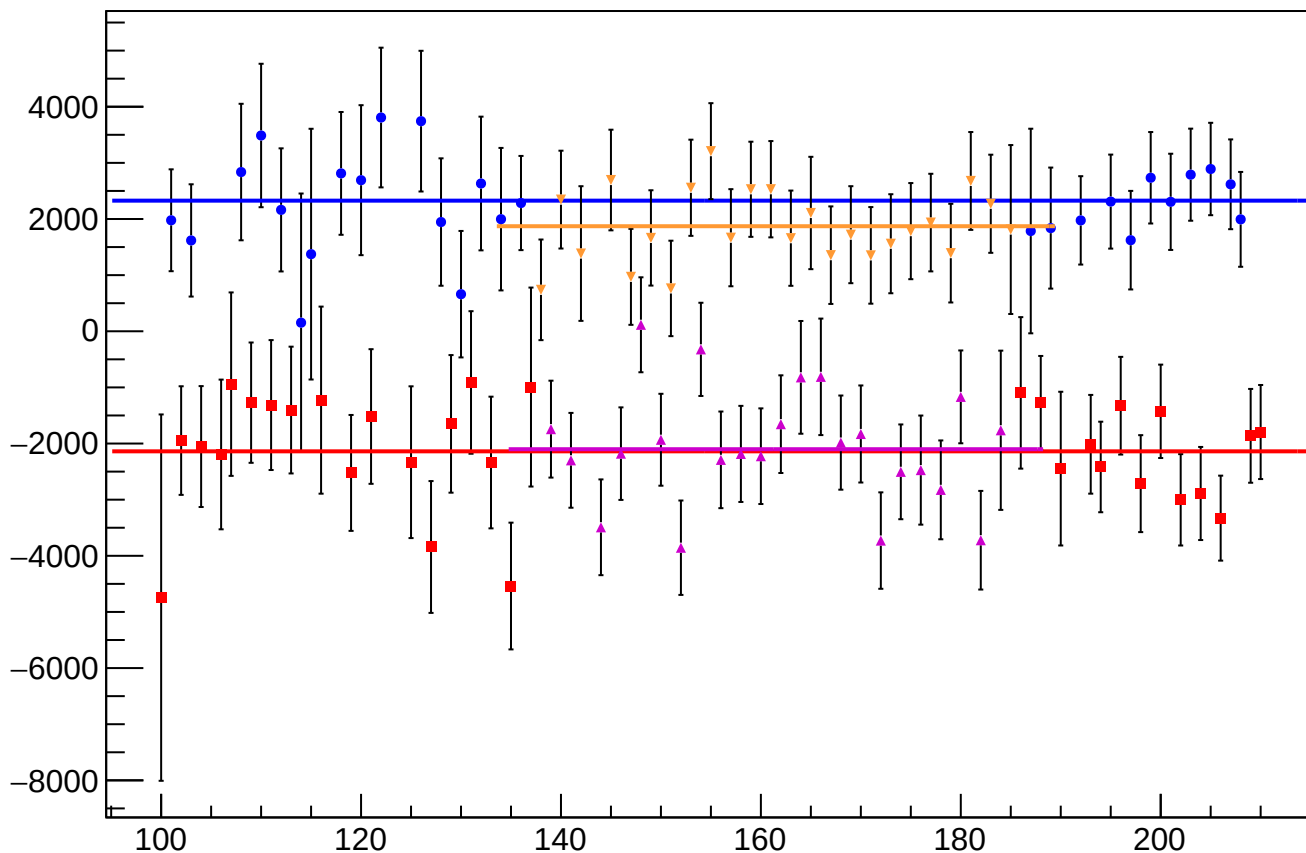
Left In: 1384.333+/-0.233 χ^2 /NDF:1269936.6/22

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

All: 1393.173+/-0.120 χ^2 /NDF: 5485672.0/10

- sign 1405.959+/-0.169 χ^2 /NDF: 2775264.6/53

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2326.947 $\pm$ 196.081 χ^2 /NDF: 10.6/26

Left Out: 1871.455 $\pm$ 181.976 χ^2 /NDF:12.5/23

Right Out: -2138.808 $\pm$ 186.462 χ^2 /NDF: 20.3/30

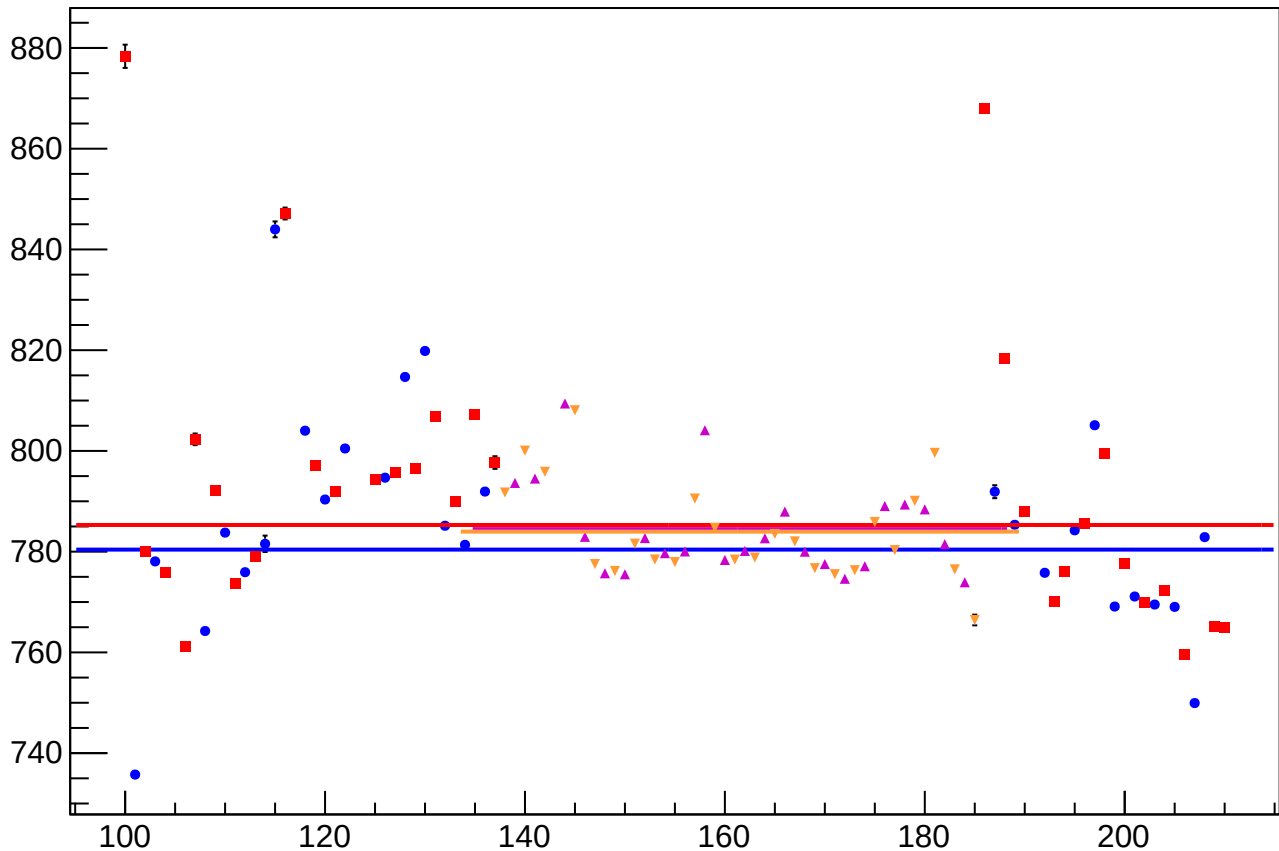
Left In: -2101.047 $\pm$ 183.179 χ^2 /NDF:31.8/22

+ sign 2082.231 $\pm$ 133.385 χ^2 /NDF: 26.0/50

All: -61.838 $\pm$ 93.344 χ^2 /NDF: 584.4/104

- sign -2119.592 $\pm$ 130.672 χ^2 /NDF: 52.1/53

eigen_dit_asym_us_avg_rms vs Slug



Right In: 780.409 $\pm$ 0.139 χ^2 /NDF: 19477.4/26

Left Out: 783.982 $\pm$ 0.129 χ^2 /NDF: 4928.0/23

Right Out: 785.294 $\pm$ 0.132 χ^2 /NDF: 26097.5/30

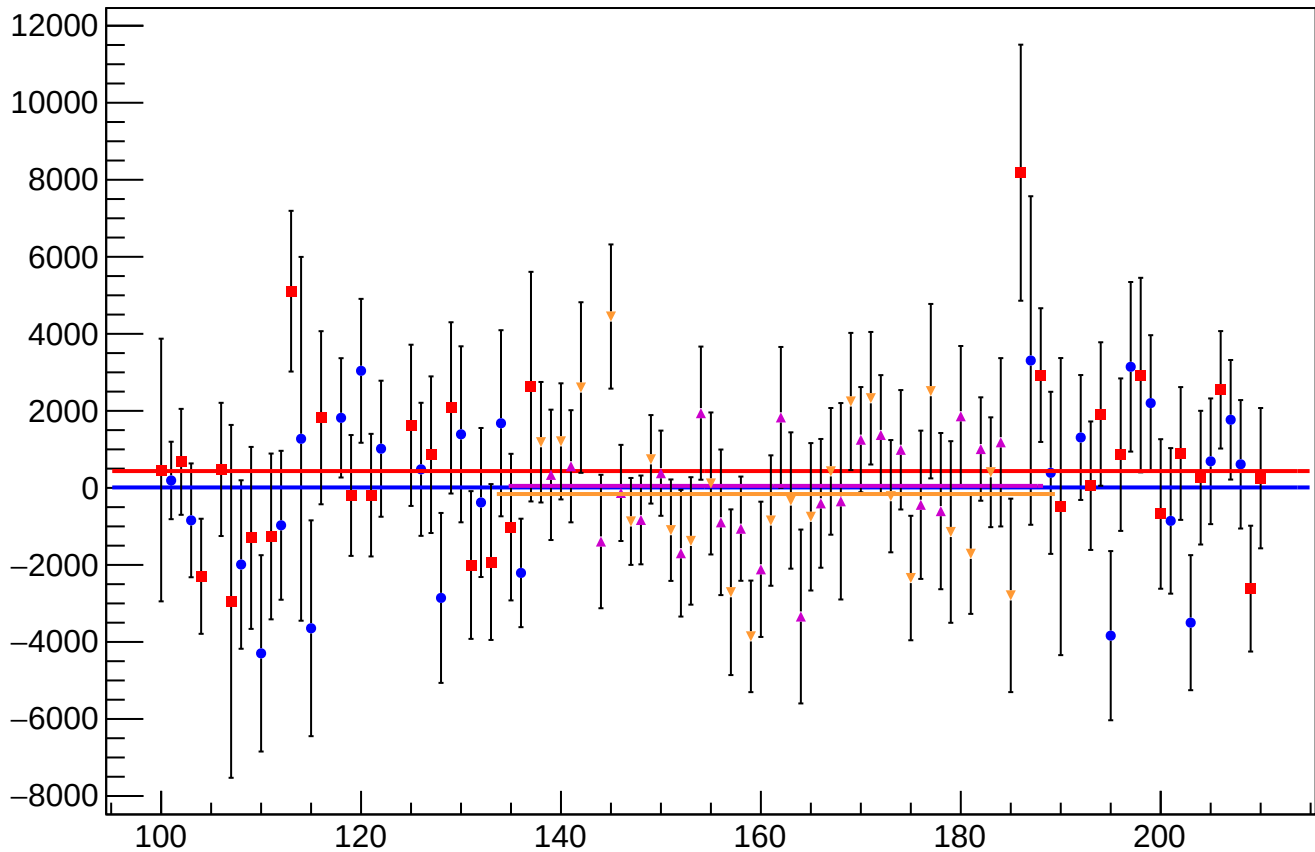
Left In: 784.473 $\pm$ 0.130 χ^2 /NDF: 4927.7/22

+ sign 782.328 $\pm$ 0.094 χ^2 /NDF: 24762.1/50

All: 783.628 $\pm$ 0.066 χ^2 /NDF: 56179.4/104

- sign 784.876 $\pm$ 0.092 χ^2 /NDF: 31045.0/53

asym_us_avg_eigen_dit_correction_mean vs Slug



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

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

Right Out: 436.730 ± 348.492 χ^2/NDF : 30.9/30

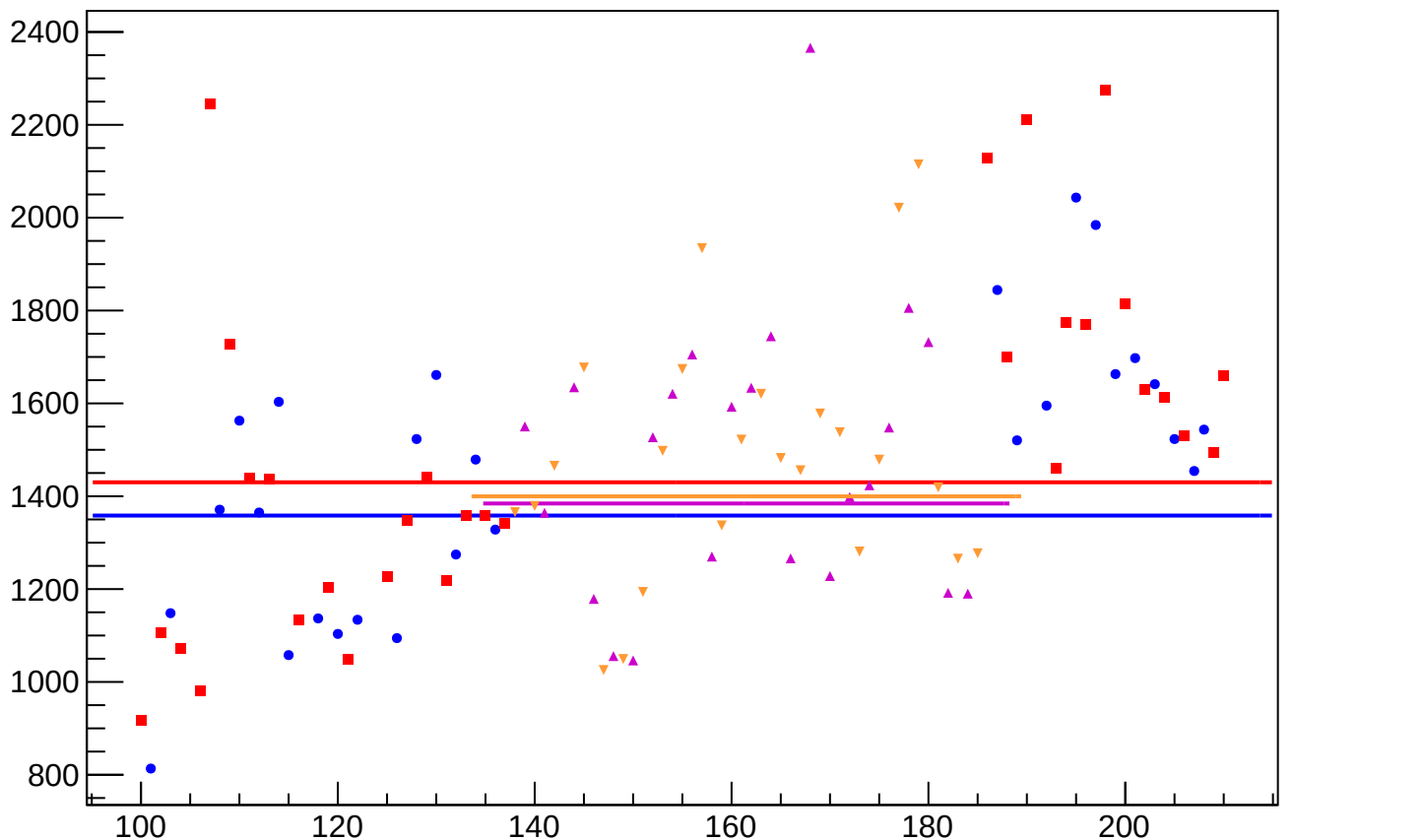
Left In: 51.975 ± 330.207 χ^2/NDF : 13.4/22

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

All: 78.804 ± 170.085 χ^2/NDF : 104.3/104

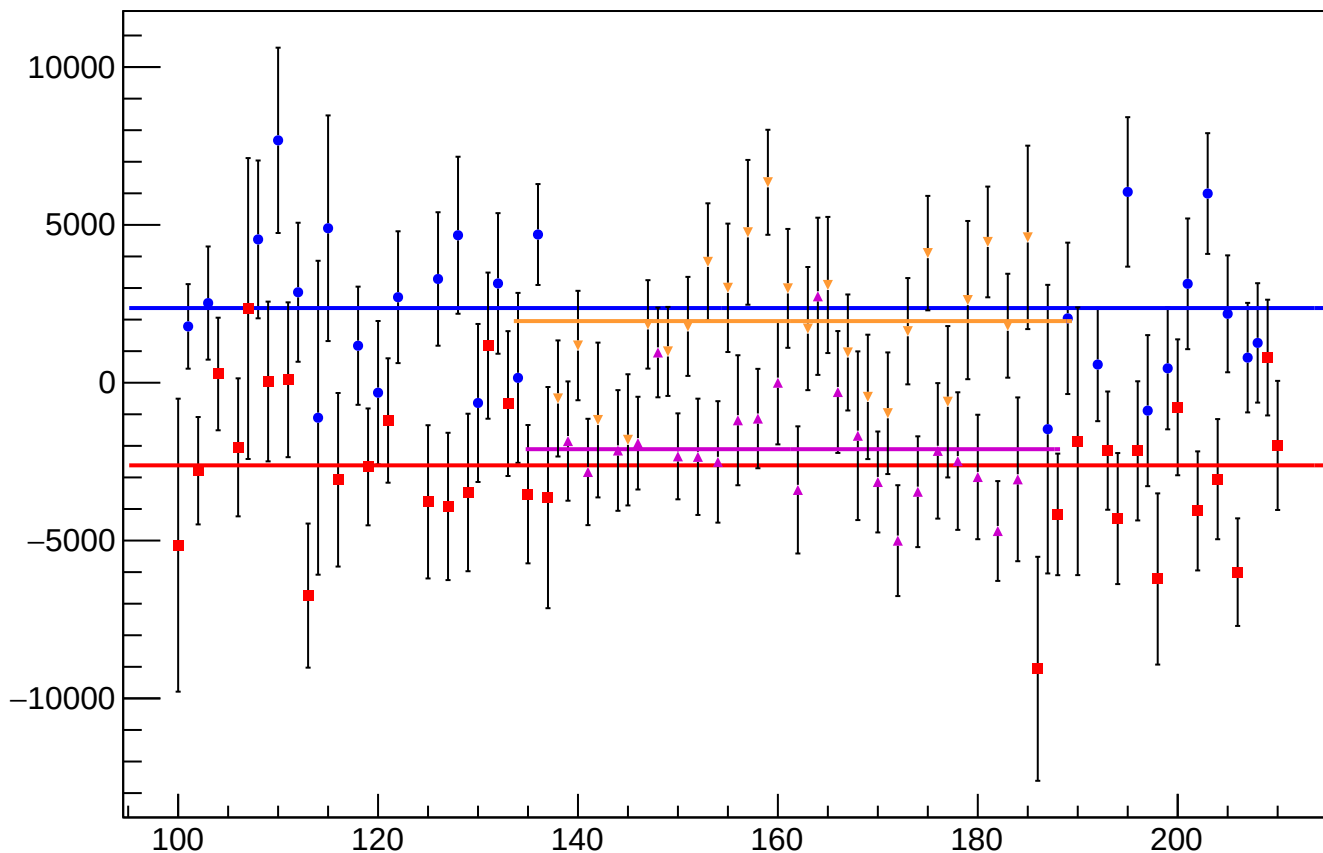
- sign 233.994 ± 239.695 χ^2/NDF : 44.9/53

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1358.376 $\pm$ 0.248	χ^2 /NDF: 1547994.2/26	+ sign 1380.206 $\pm$ 0.171	χ^2 /NDF: 2698966.9/50
Left Out: 1399.720 $\pm$ 0.235	χ^2 /NDF: 1136351.3/23	All: 1393.173 $\pm$ 0.120	χ^2 /NDF: 5485709.8/10
Right Out: 1430.043 $\pm$ 0.246	χ^2 /NDF: 1487215.4/30	- sign 1405.959 $\pm$ 0.169	χ^2 /NDF: 2775280.8/53
Left In: 1384.336 $\pm$ 0.233	χ^2 /NDF: 1269937.1/22		

asym_us_avg_mean vs Slug



Right In: 2365.678 $\pm$ 407.649 χ^2 /NDF: 24.4/26

Left Out: 1952.406 $\pm$ 380.269 χ^2 /NDF: 27.4/23

Right Out: -2617.460 $\pm$ 399.880 χ^2 /NDF: 29.9/30

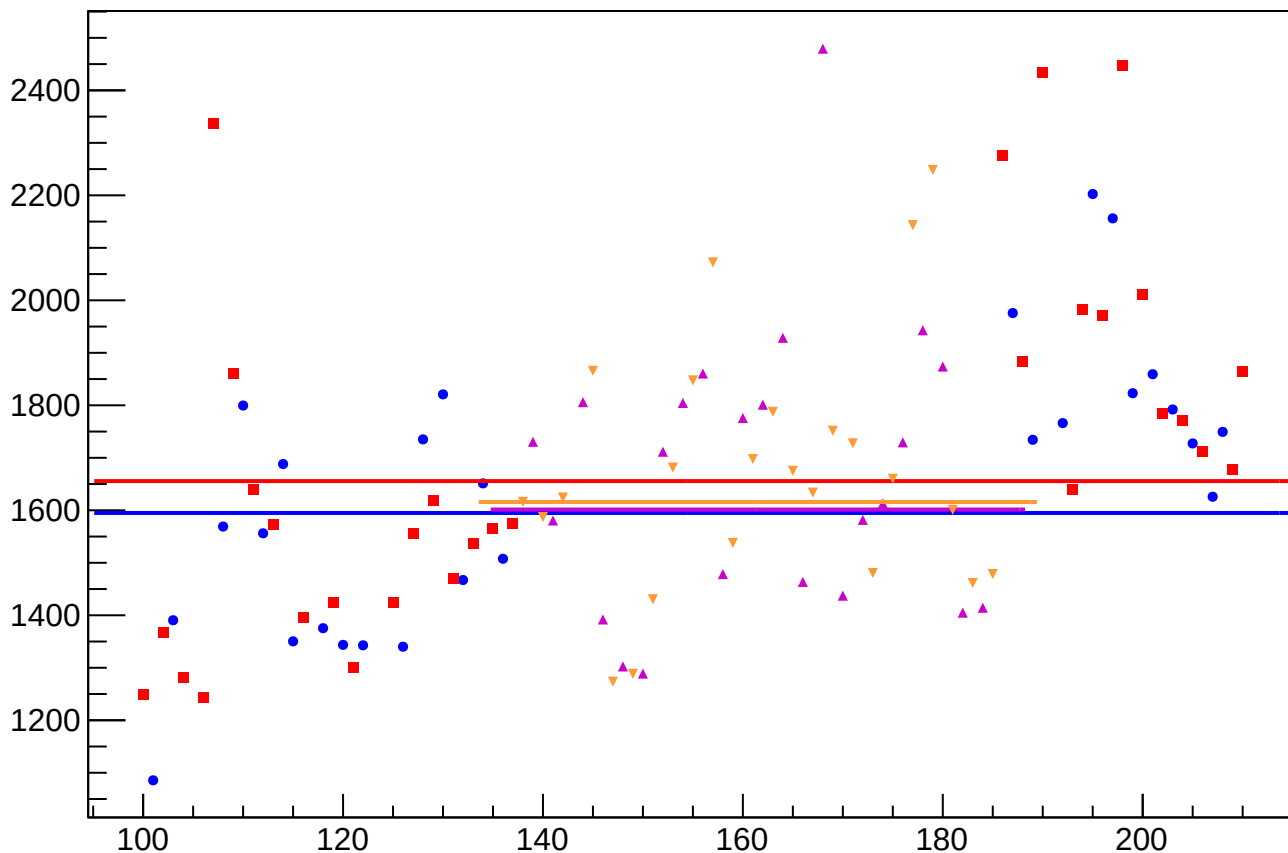
Left In: -2105.415 $\pm$ 379.051 χ^2 /NDF: 18.6/22

+ sign 2144.698 $\pm$ 278.067 χ^2 /NDF: 52.3/50

All: -125.635 $\pm$ 195.565 χ^2 /NDF: 233.6/104

- sign -2347.755 $\pm$ 275.098 χ^2 /NDF: 49.4/53

asym_us_avg_rms vs Slug



Right In: 1594.894 $\pm$ 0.288 χ^2 /NDF: 868583.4/26

Left Out: 1615.853 $\pm$ 0.269 χ^2 /NDF: 694353.3/23

Right Out: 1655.645 $\pm$ 0.283 χ^2 /NDF: 958086.2/30

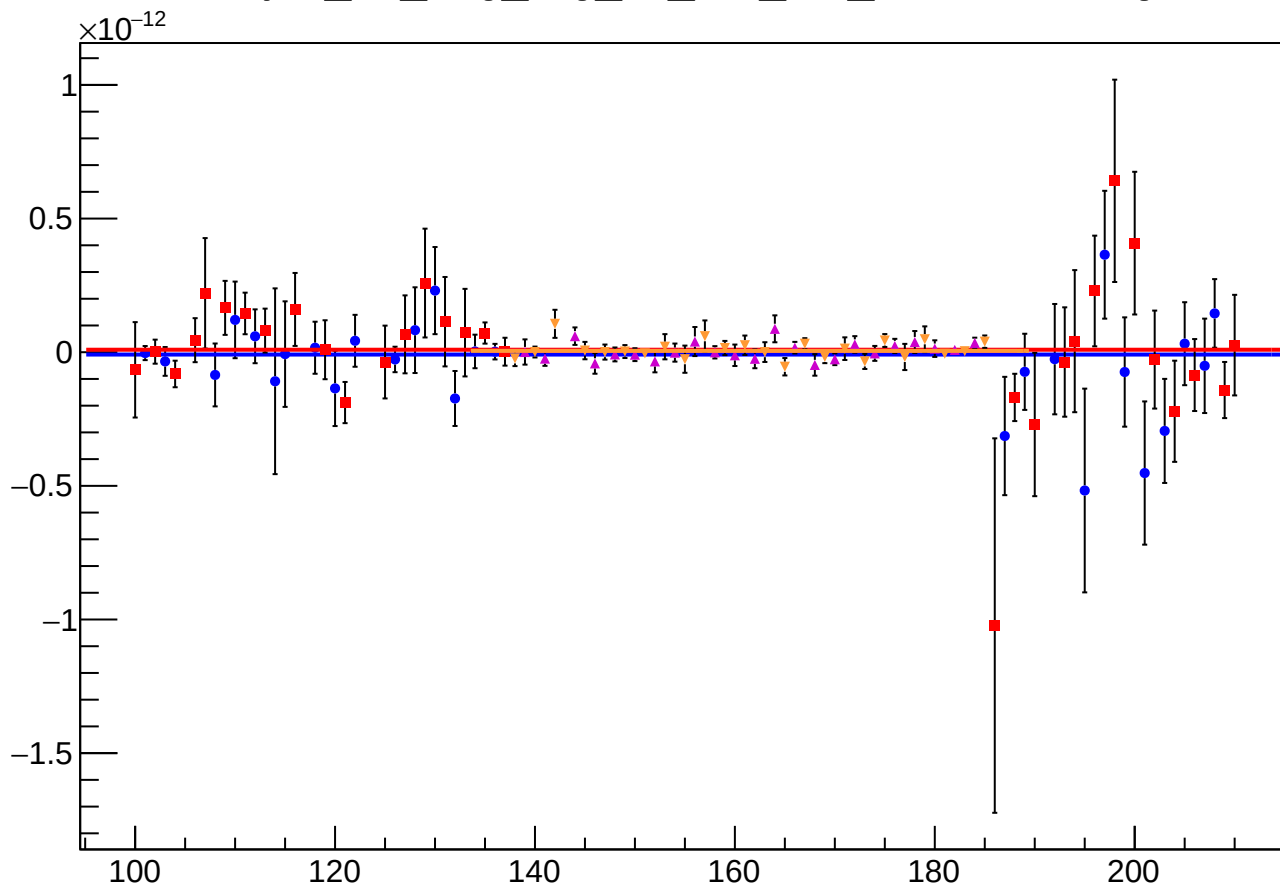
Left In: 1601.496 $\pm$ 0.268 χ^2 /NDF: 793722.6/22

+ sign 1606.101 $\pm$ 0.197 χ^2 /NDF: 1565763.7/50

All: 1616.725 $\pm$ 0.138 χ^2 /NDF: 3342666.4/10

- sign 1627.124 $\pm$ 0.195 χ^2 /NDF: 1771125.6/53

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:21.0/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.2/30

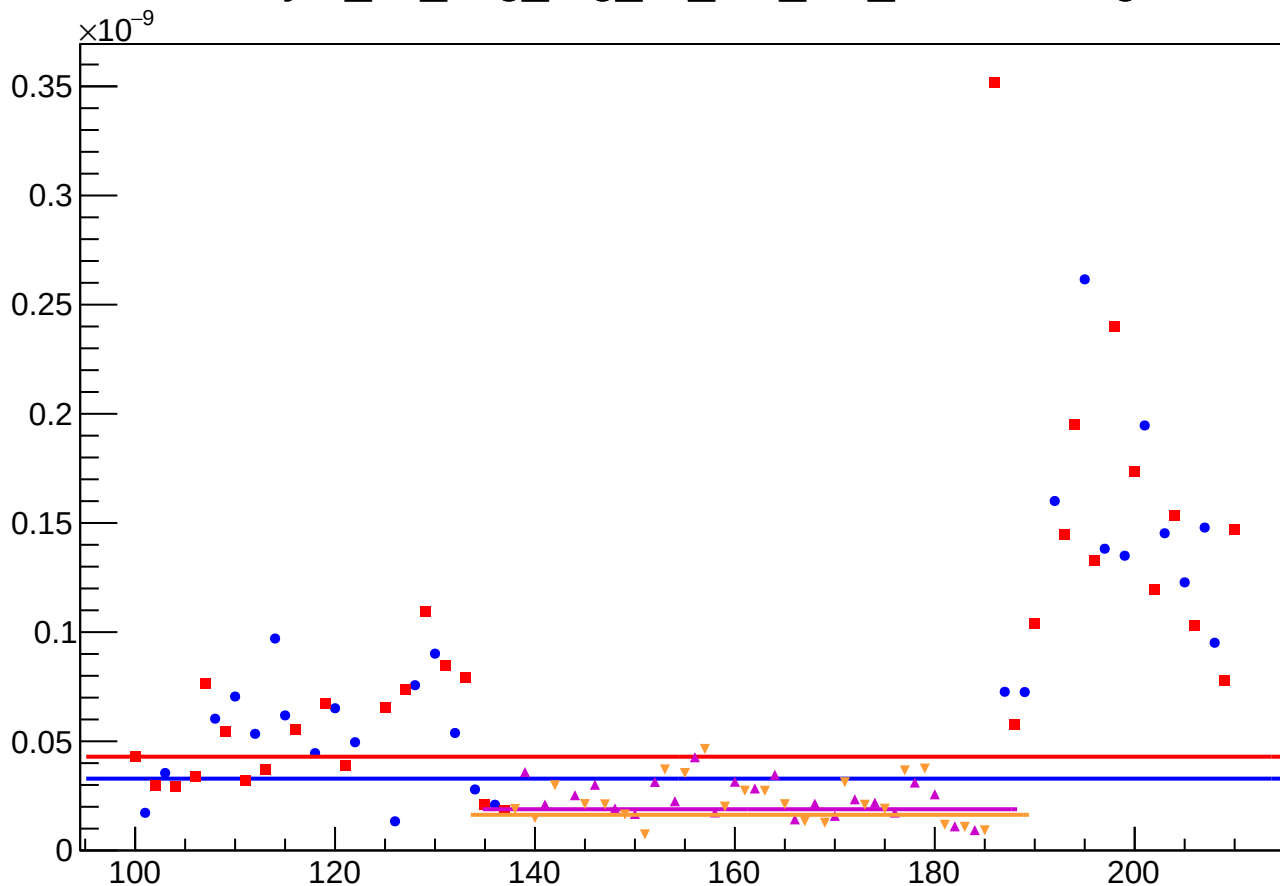
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 43.2/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 104.0/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 60.7/53

asym_us_avg_reg_vs_cor_diff_rms vs Slug



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

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

Right Out: 0.000+/-0.000 χ^2/NDF : 7586707.6/30

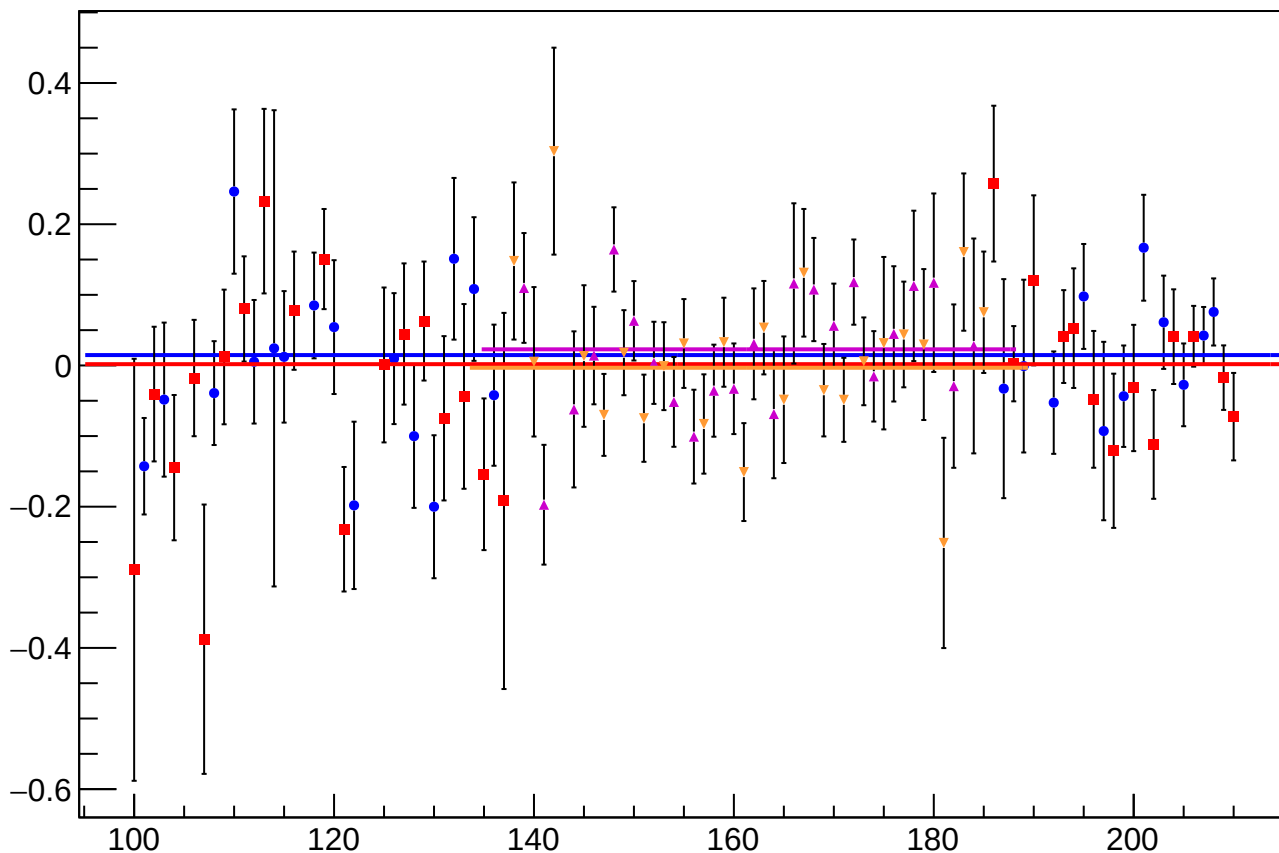
Left In: 0.000+/-0.000 χ^2/NDF : 3256130.1/22

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

All: 0.000+/-0.000 χ^2/NDF : 29804199.0/104

- sign 0.000+/-0.000 χ^2/NDF : 14450014.8/53

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.015 χ^2/NDF : 33.6/26

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

Right Out: 0.002 ± 0.015 χ^2/NDF : 41.5/30

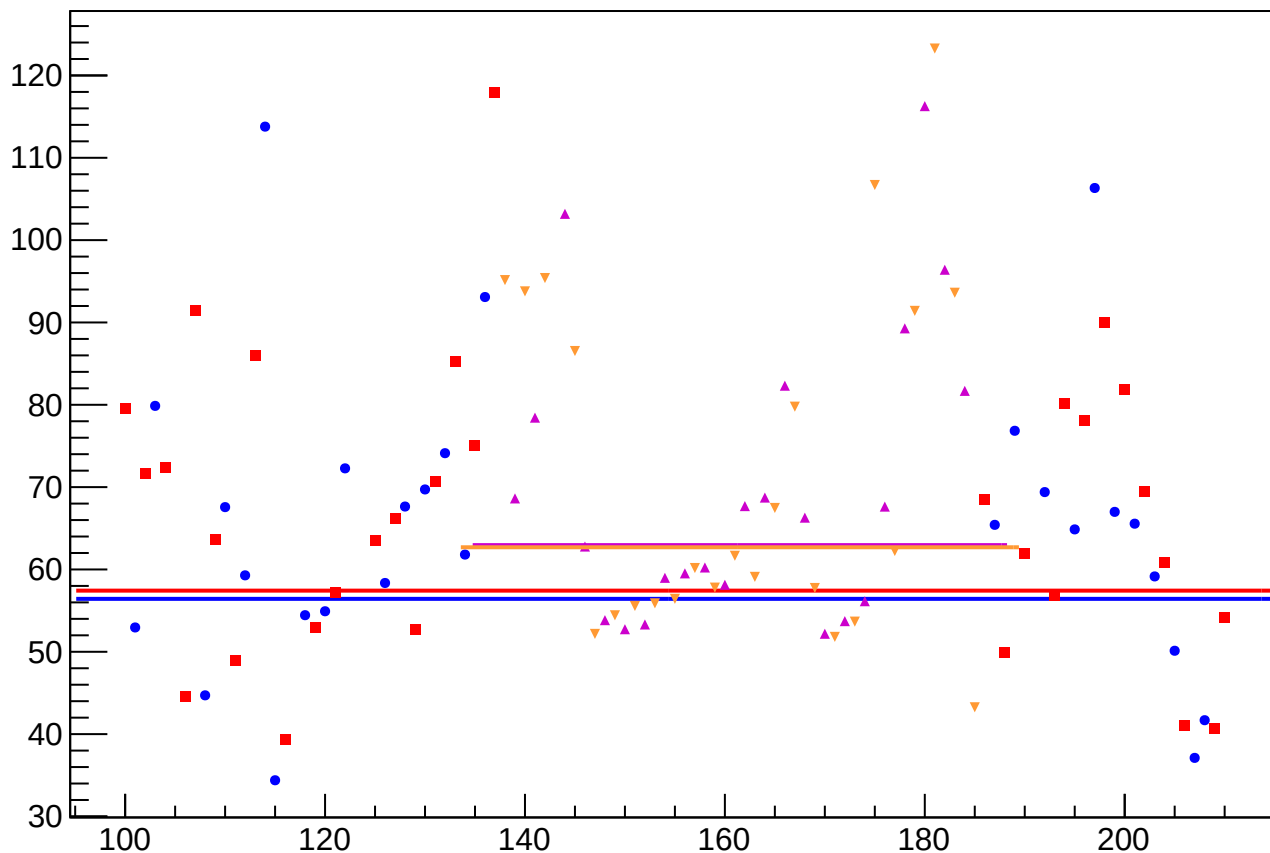
Left In: 0.023 ± 0.015 χ^2/NDF : 29.0/22

+ sign 0.006 ± 0.011 χ^2/NDF : 60.2/50

All: 0.009 ± 0.008 χ^2/NDF : 131.8/104

- sign 0.012 ± 0.011 χ^2/NDF : 71.4/53

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 56.429 ± 0.011 $\chi^2/\text{NDF}: 1969286.4/26$

Left Out: 62.694 ± 0.011 $\chi^2/\text{NDF}: 1939401.0/23$

Right Out: 57.428 ± 0.010 $\chi^2/\text{NDF}: 1986872.5/30$

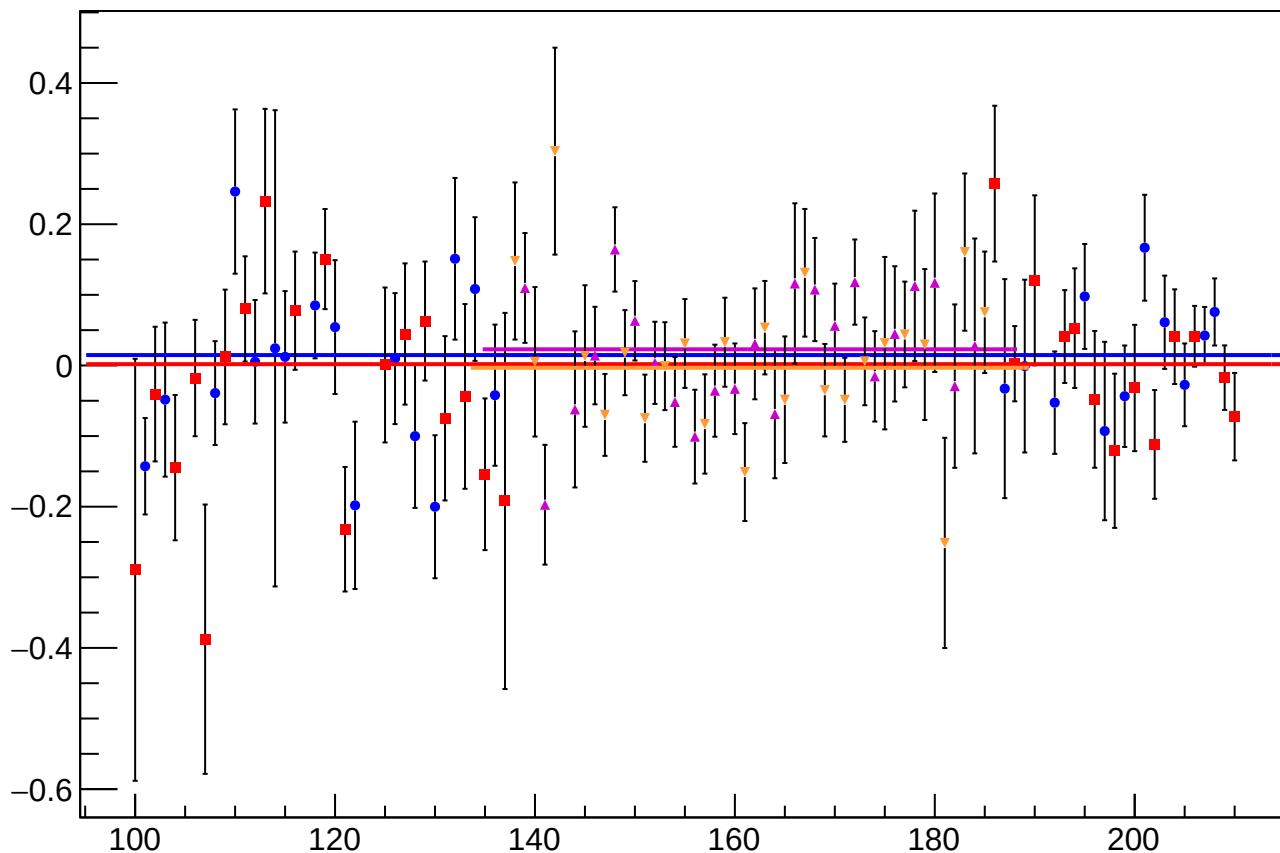
Left In: 62.956 ± 0.011 $\chi^2/\text{NDF}: 1430426.1/22$

+ sign 59.533 ± 0.008 $\chi^2/\text{NDF}: 4073733.2/50$

All: 59.796 ± 0.005 $\chi^2/\text{NDF}: 7627238.8/104$

- sign 60.047 ± 0.008 $\chi^2/\text{NDF}: 3551236.9/53$

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.015 χ^2/NDF : 33.6/26

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

Right Out: 0.002 ± 0.015 χ^2/NDF : 41.5/30

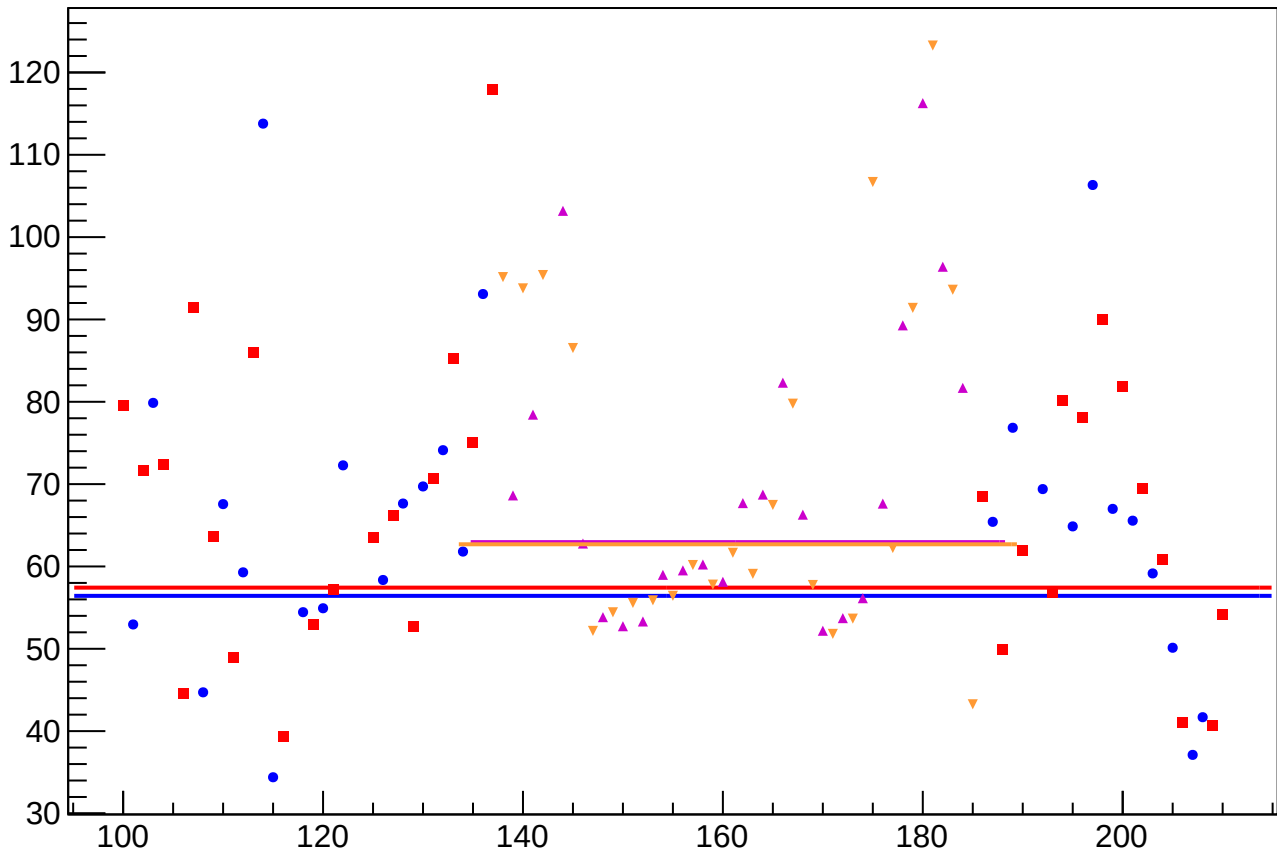
Left In: 0.023 ± 0.015 χ^2/NDF : 29.0/22

+ sign 0.006 ± 0.011 χ^2/NDF : 60.2/50

All: 0.009 ± 0.008 χ^2/NDF : 131.8/104

- sign 0.012 ± 0.011 χ^2/NDF : 71.4/53

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 56.429 $\pm$ 0.011 χ^2 /NDF: 1969286.4/26

Left Out: 62.694 $\pm$ 0.011 χ^2 /NDF:1939401.0/23

Right Out: 57.428 $\pm$ 0.010 χ^2 /NDF: 1986872.5/30

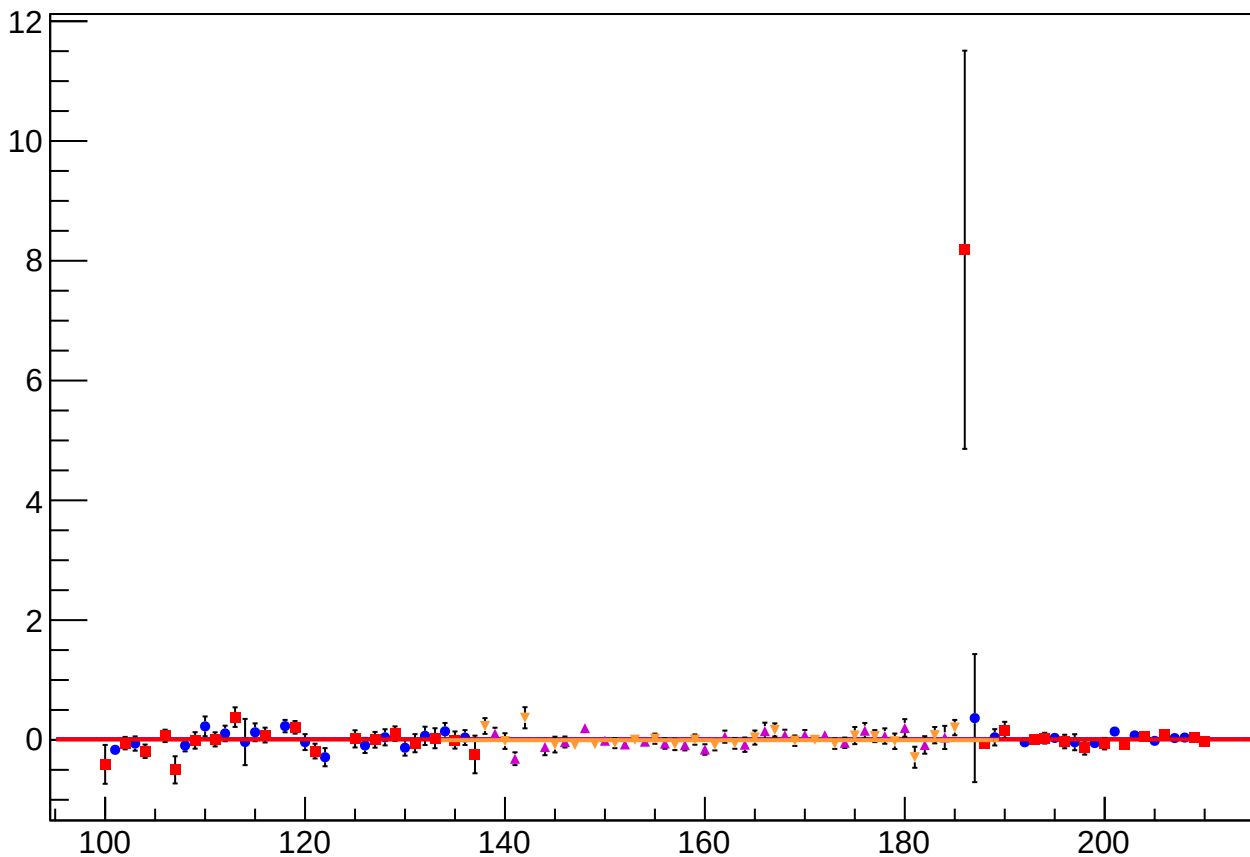
Left In: 62.956 $\pm$ 0.011 χ^2 /NDF:1430426.1/22

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

All: 59.796 $\pm$ 0.005 χ^2 /NDF: 7627238.8/104

- sign 60.047 $\pm$ 0.008 χ^2 /NDF: 3551236.9/53

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



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

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

Right Out: 0.008 ± 0.019 χ^2/NDF : 38.5/30

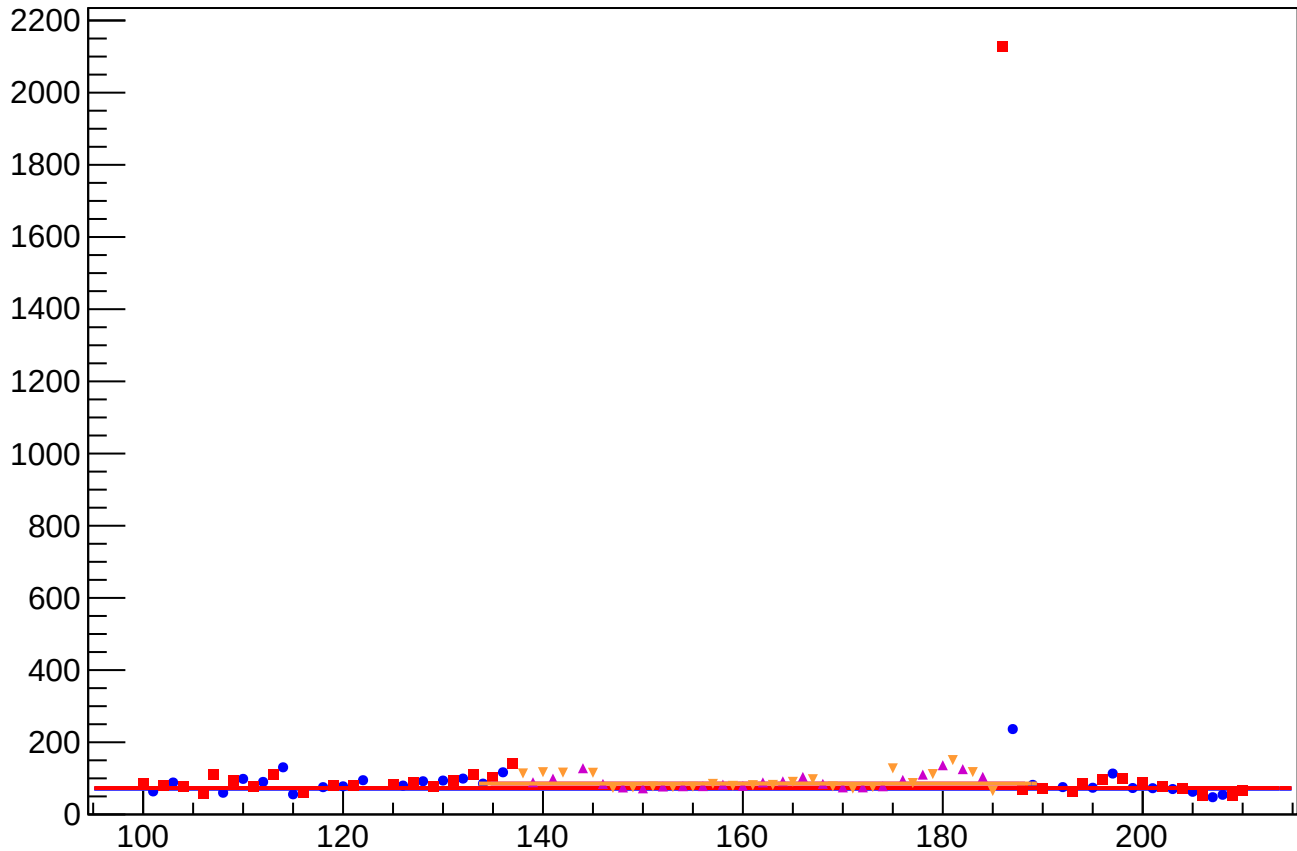
Left In: -0.002 ± 0.021 χ^2/NDF : 30.5/22

+ sign 0.004 ± 0.014 χ^2/NDF : 47.4/50

All: 0.004 ± 0.010 χ^2/NDF : 116.5/104

- sign 0.004 ± 0.014 χ^2/NDF : 69.1/53

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



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

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

Right Out: 73.247+/-0.013 χ^2/NDF : 2238907.6/30

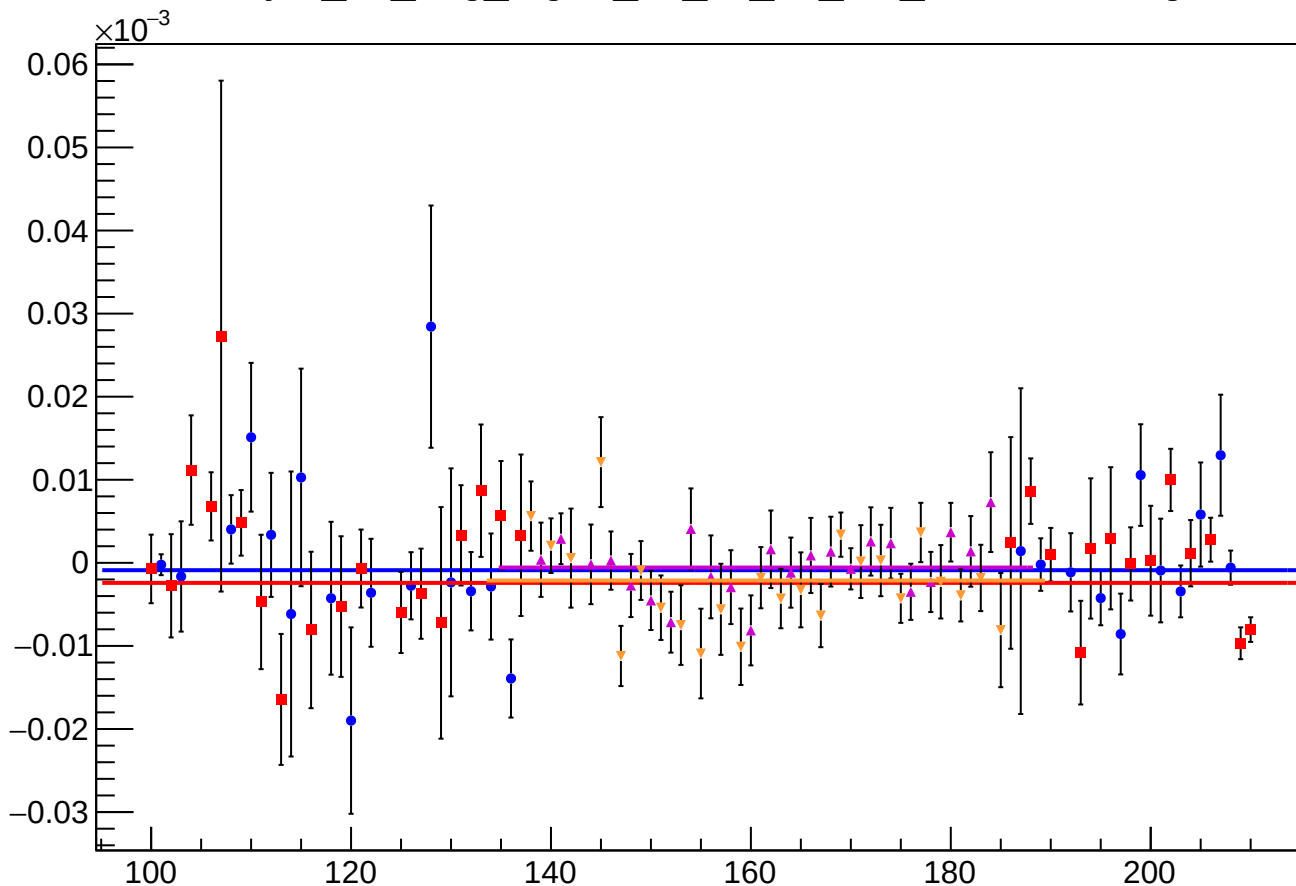
Left In: 85.679+/-0.015 χ^2/NDF : 995870.4/22

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

All: 78.364+/-0.007 χ^2/NDF : 7150562.6/104

- sign 78.793+/-0.010 χ^2/NDF : 3635154.7/53

asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 33.9/26

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

Right Out: -0.000+/-0.000 χ^2/NDF : 79.4/30

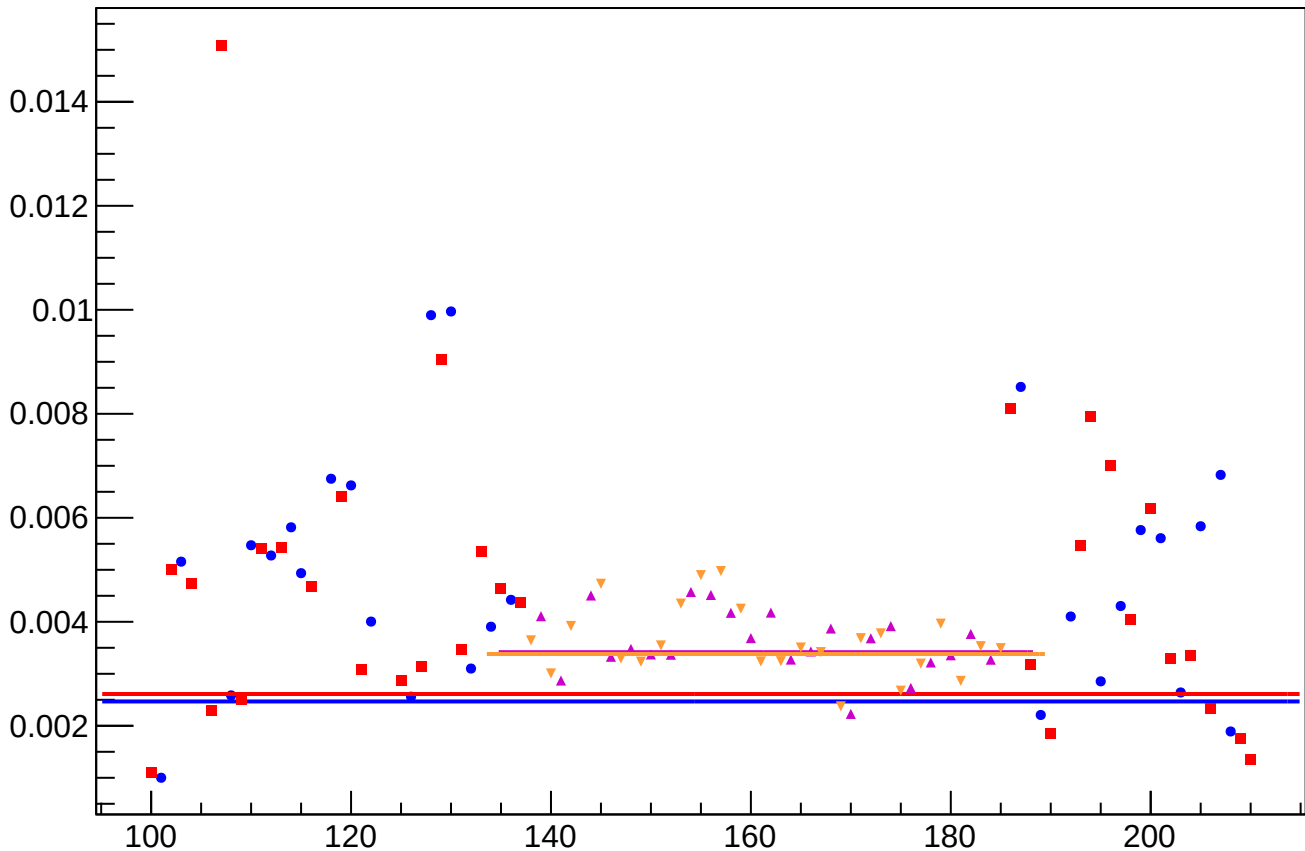
Left In: -0.000+/-0.000 χ^2/NDF : 16.6/22

+ sign -0.000+/-0.000 χ^2/NDF : 72.5/50

All: -0.000+/-0.000 χ^2/NDF : 171.4/104

- sign -0.000+/-0.000 χ^2/NDF : 98.8/53

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2/NDF : 9433158.9/26

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF :1195636.0/23

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 8178552.6/30

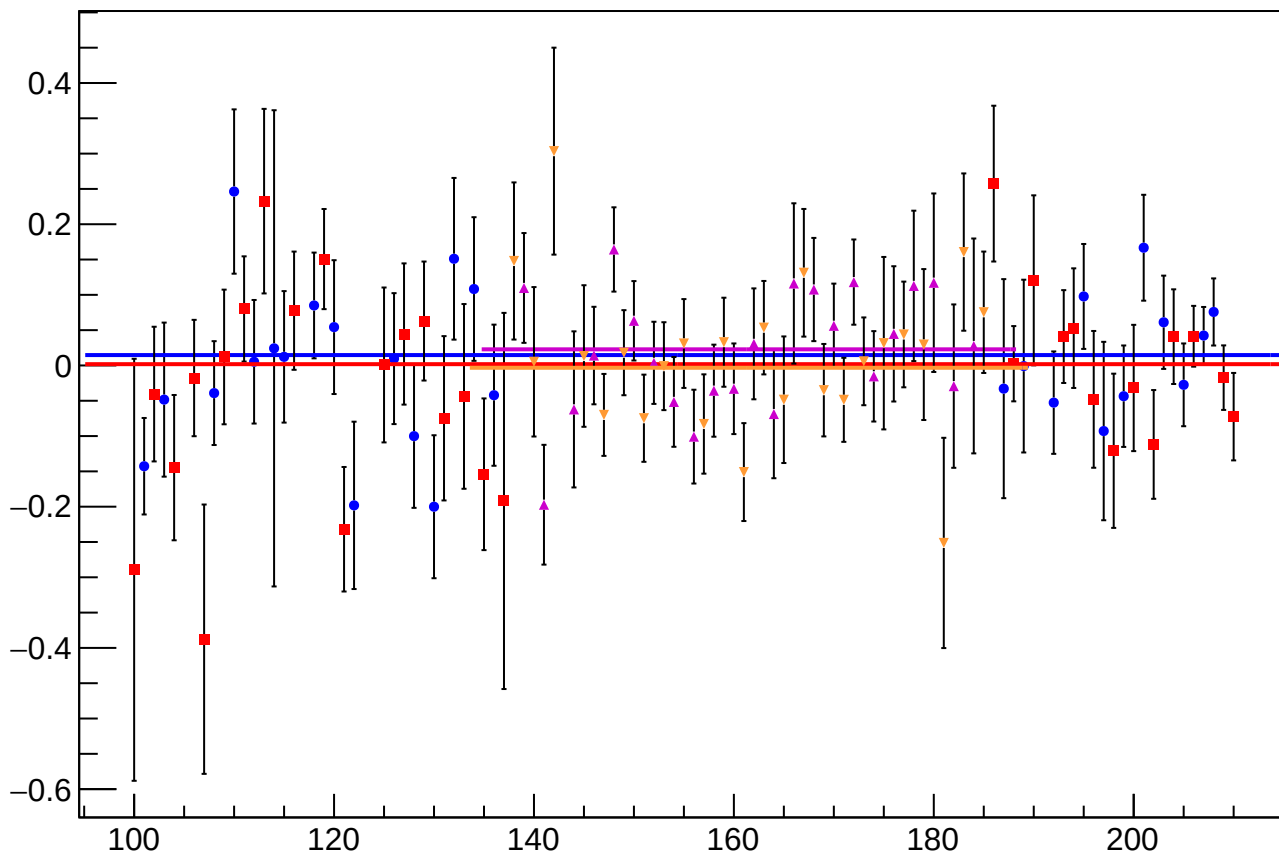
Left In: 0.003 $\pm$ 0.000 χ^2/NDF :1170356.5/22

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 11975420.5/50

All: 0.003 $\pm$ 0.000 χ^2/NDF : 22402552.4/104

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 10407558.2/53

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.015 χ^2/NDF : 33.6/26

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

Right Out: 0.002 ± 0.015 χ^2/NDF : 41.5/30

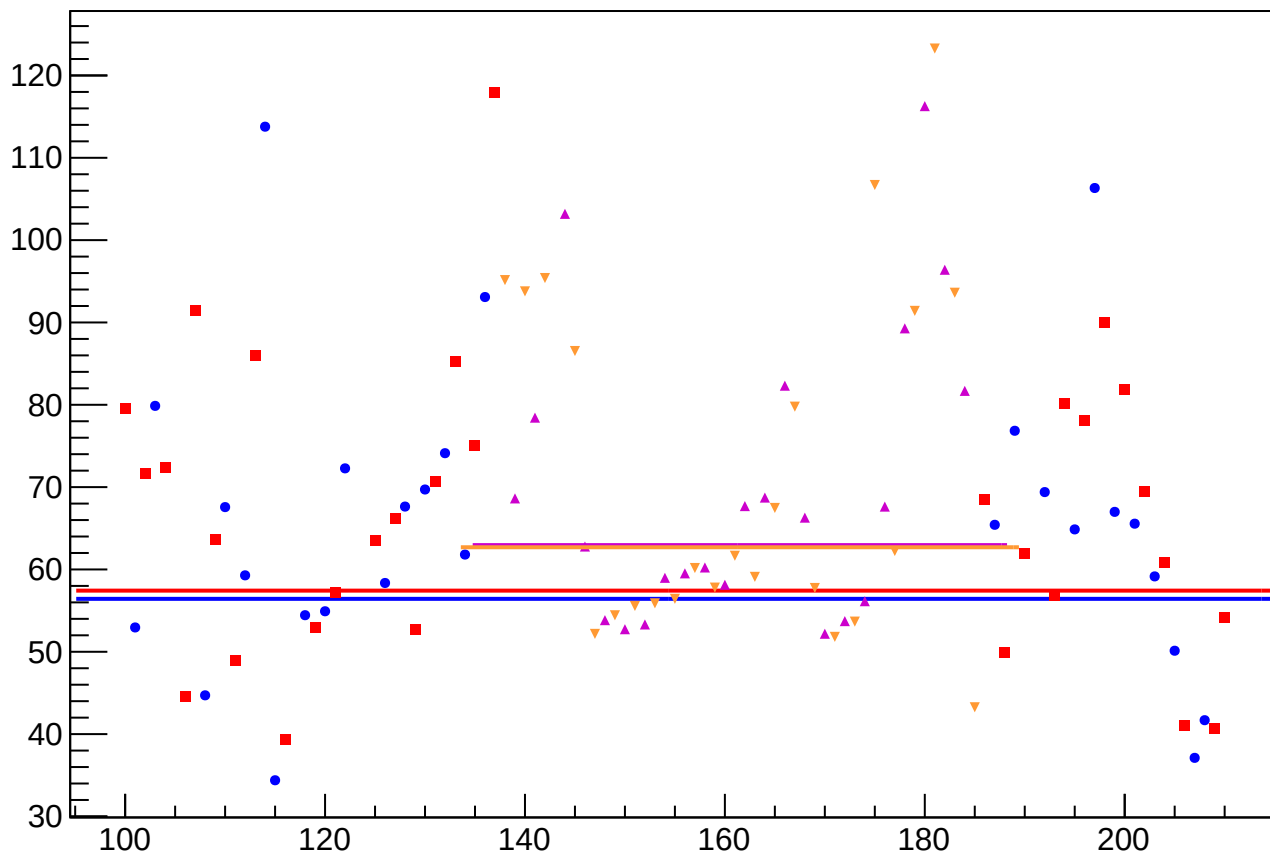
Left In: 0.023 ± 0.015 χ^2/NDF : 29.0/22

+ sign 0.006 ± 0.011 χ^2/NDF : 60.2/50

All: 0.009 ± 0.008 χ^2/NDF : 131.8/104

- sign 0.012 ± 0.011 χ^2/NDF : 71.4/53

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 56.429 $\pm$ 0.011 χ^2 /NDF: 1969142.9/26

Left Out: 62.694 $\pm$ 0.011 χ^2 /NDF:1939383.4/23

Right Out: 57.428 $\pm$ 0.010 χ^2 /NDF: 1986698.1/30

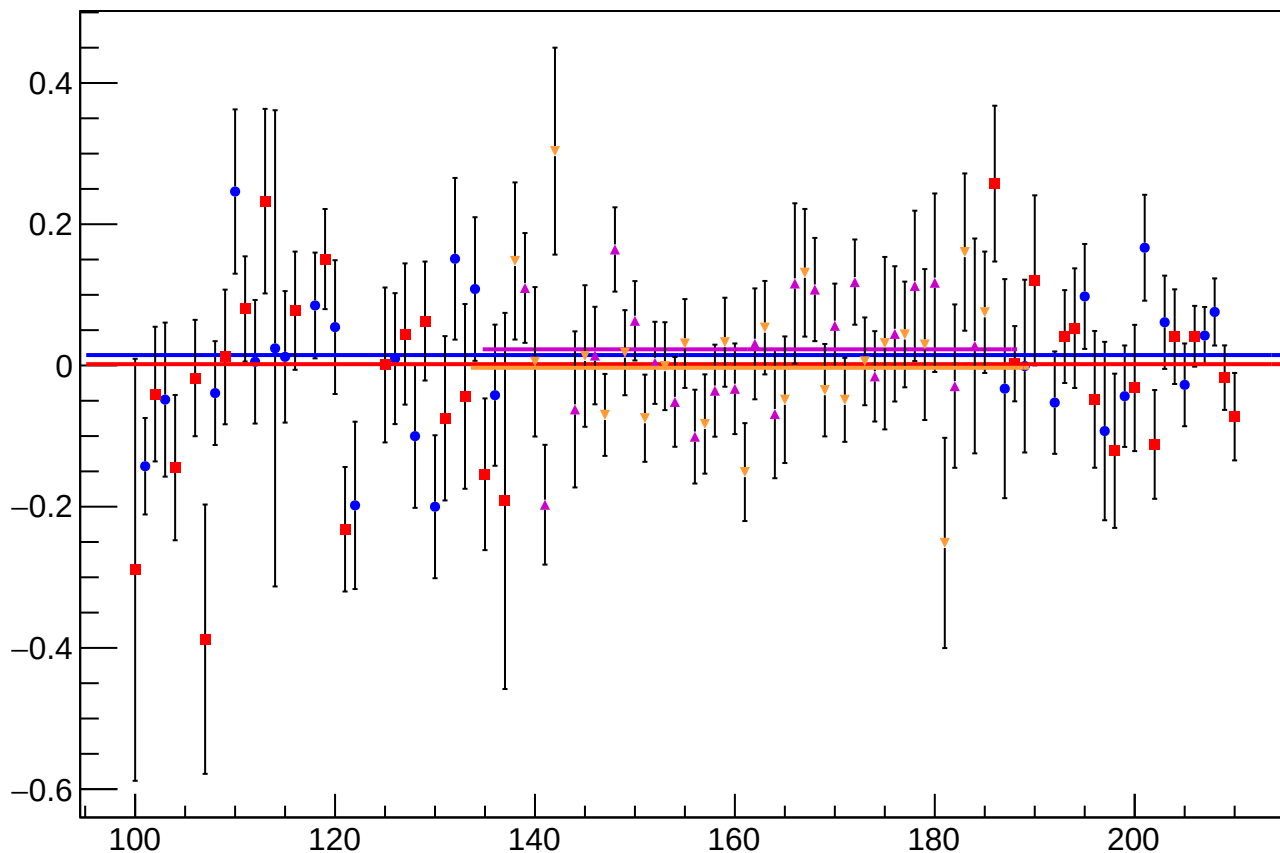
Left In: 62.956 $\pm$ 0.011 χ^2 /NDF:1430401.4/22

+ sign 59.534 $\pm$ 0.008 χ^2 /NDF: 4073583.8/50

All: 59.796 $\pm$ 0.005 χ^2 /NDF: 7626917.8/104

- sign 60.047 $\pm$ 0.008 χ^2 /NDF: 3551068.0/53

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.015 χ^2 /NDF: 33.6/26

Left Out: -0.003 $\pm$ 0.015 χ^2 /NDF: 25.9/23

Right Out: 0.002 $\pm$ 0.015 χ^2 /NDF: 41.5/30

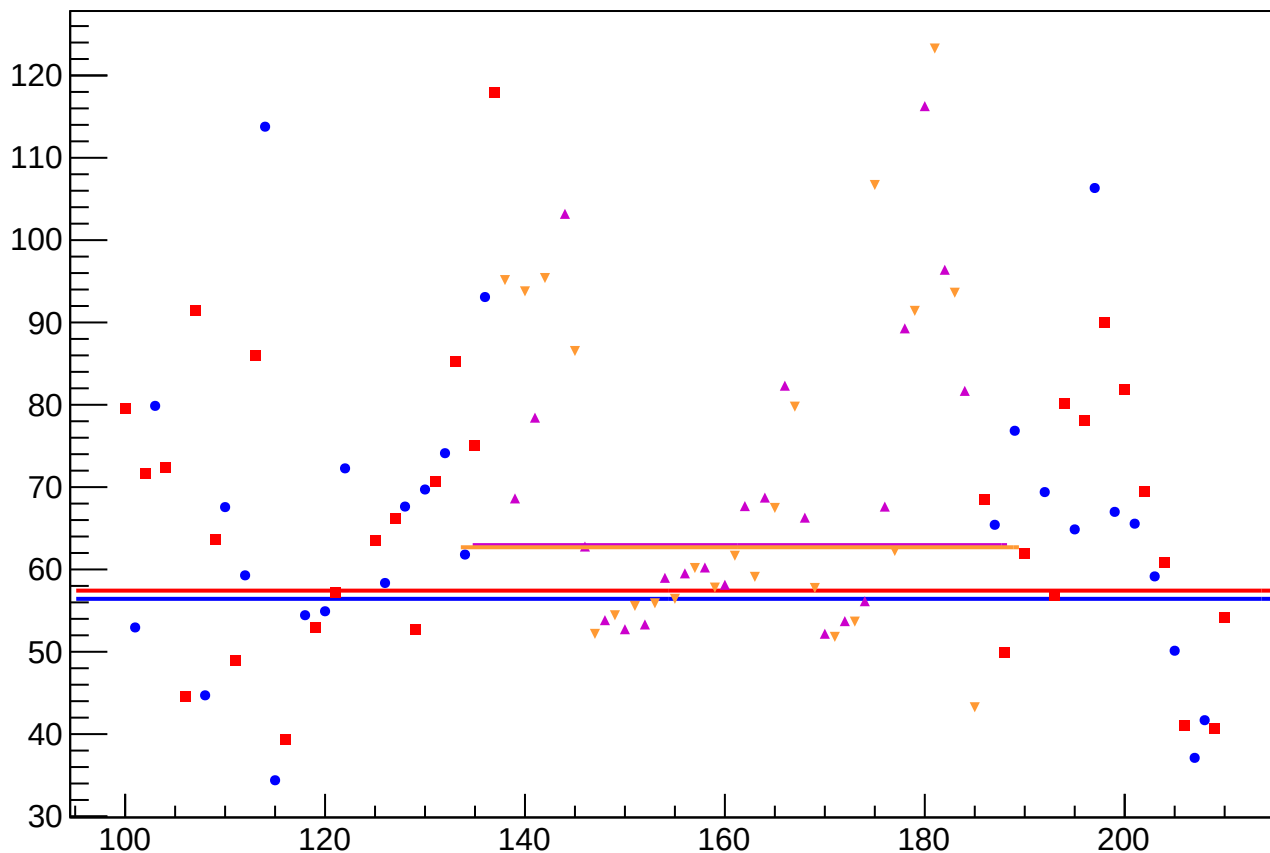
Left In: 0.023 $\pm$ 0.015 χ^2 /NDF: 29.0/22

+ sign 0.006 $\pm$ 0.011 χ^2 /NDF: 60.2/50

All: 0.009 $\pm$ 0.008 χ^2 /NDF: 131.8/104

- sign 0.012 $\pm$ 0.011 χ^2 /NDF: 71.4/53

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 56.429 $\pm$ 0.011 χ^2 /NDF: 1969142.9/26

Left Out: 62.694 $\pm$ 0.011 χ^2 /NDF:1939383.4/23

Right Out: 57.428 $\pm$ 0.010 χ^2 /NDF: 1986698.1/30

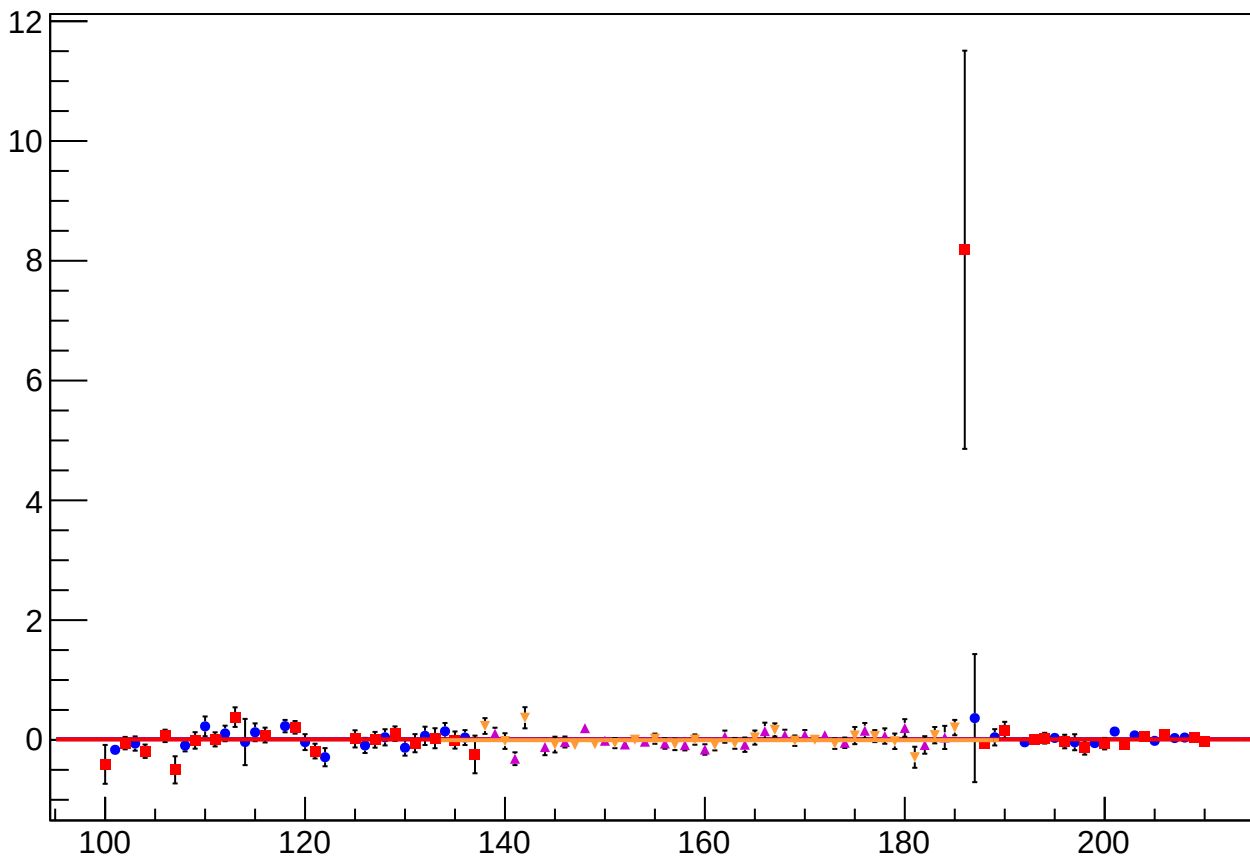
Left In: 62.956 $\pm$ 0.011 χ^2 /NDF:1430401.4/22

+ sign 59.534 $\pm$ 0.008 χ^2 /NDF: 4073583.8/50

All: 59.796 $\pm$ 0.005 χ^2 /NDF: 7626917.8/104

- sign 60.047 $\pm$ 0.008 χ^2 /NDF: 3551068.0/53

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.012 $\pm$ 0.019 χ^2 /NDF: 25.7/26

Left Out: -0.004 $\pm$ 0.021 χ^2 /NDF:21.4/23

Right Out: 0.008 $\pm$ 0.019 χ^2 /NDF: 38.5/30

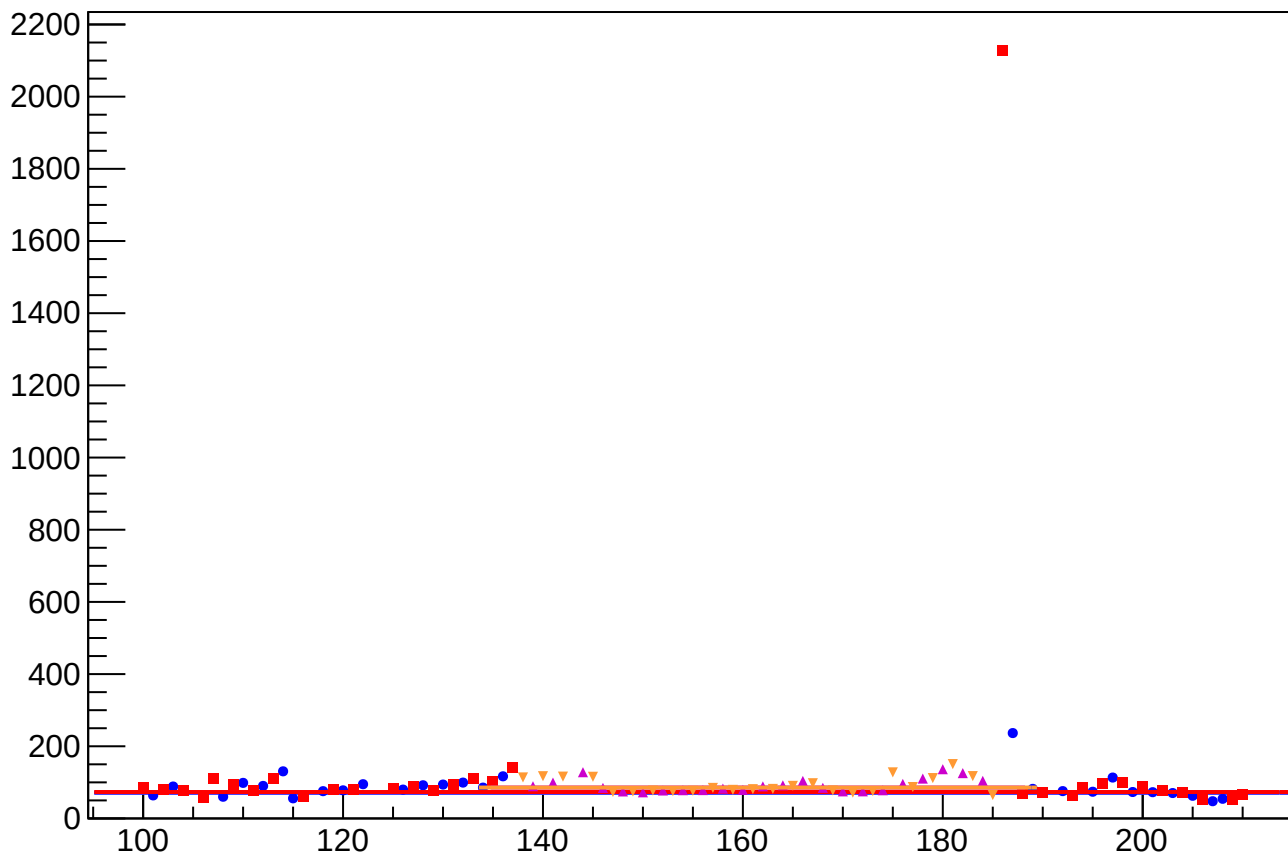
Left In: -0.002 $\pm$ 0.021 χ^2 /NDF:30.5/22

+ sign 0.004 $\pm$ 0.014 χ^2 /NDF: 47.4/50

All: 0.004 $\pm$ 0.010 χ^2 /NDF: 116.5/104

- sign 0.004 $\pm$ 0.014 χ^2 /NDF: 69.1/53

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



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

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

Right Out: 73.247+/-0.013 χ^2/NDF : 2238804.8/30

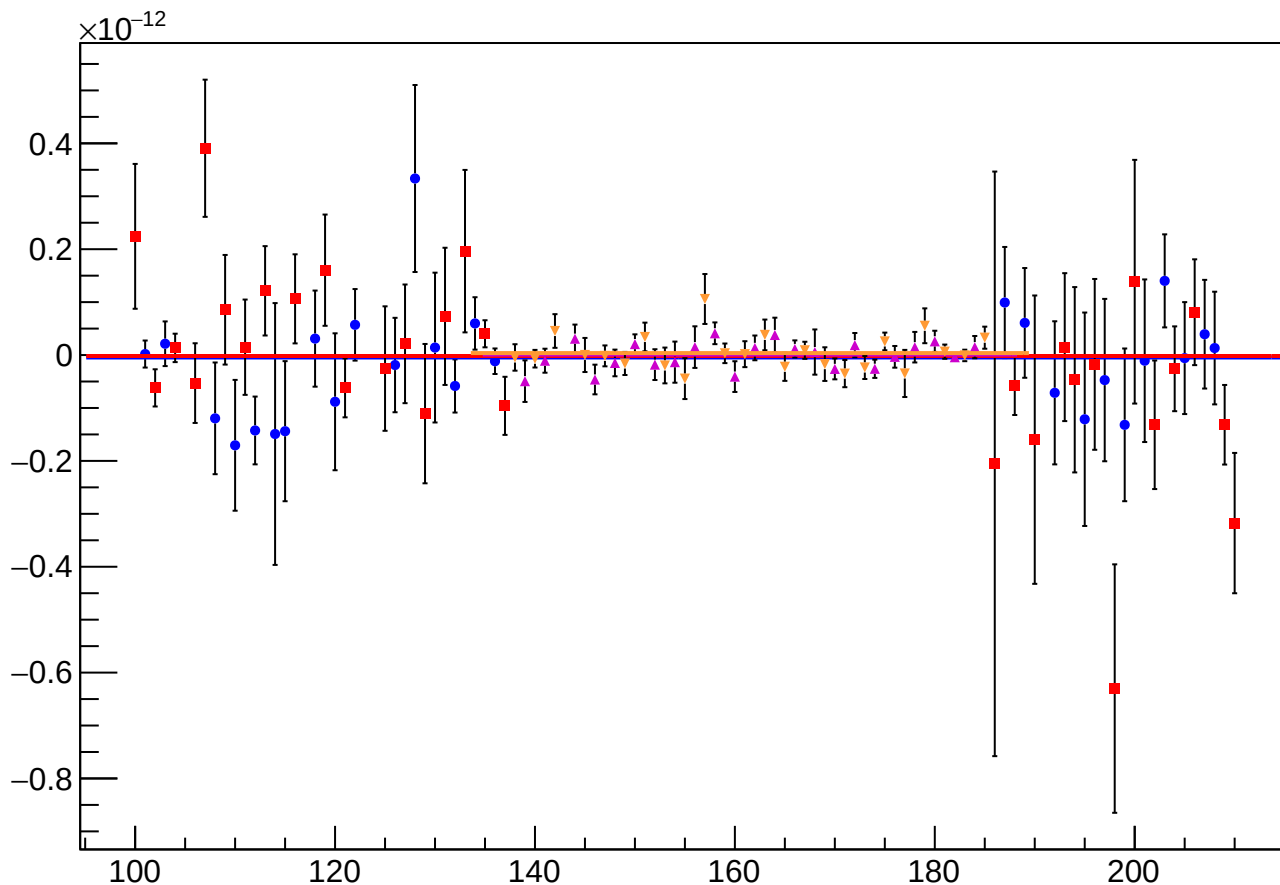
Left In: 85.679+/-0.015 χ^2/NDF : 995860.8/22

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

All: 78.364+/-0.007 χ^2/NDF : 7150338.8/104

- sign 78.793+/-0.010 χ^2/NDF : 3635067.1/53

asym_us_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.0/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 51.8/30

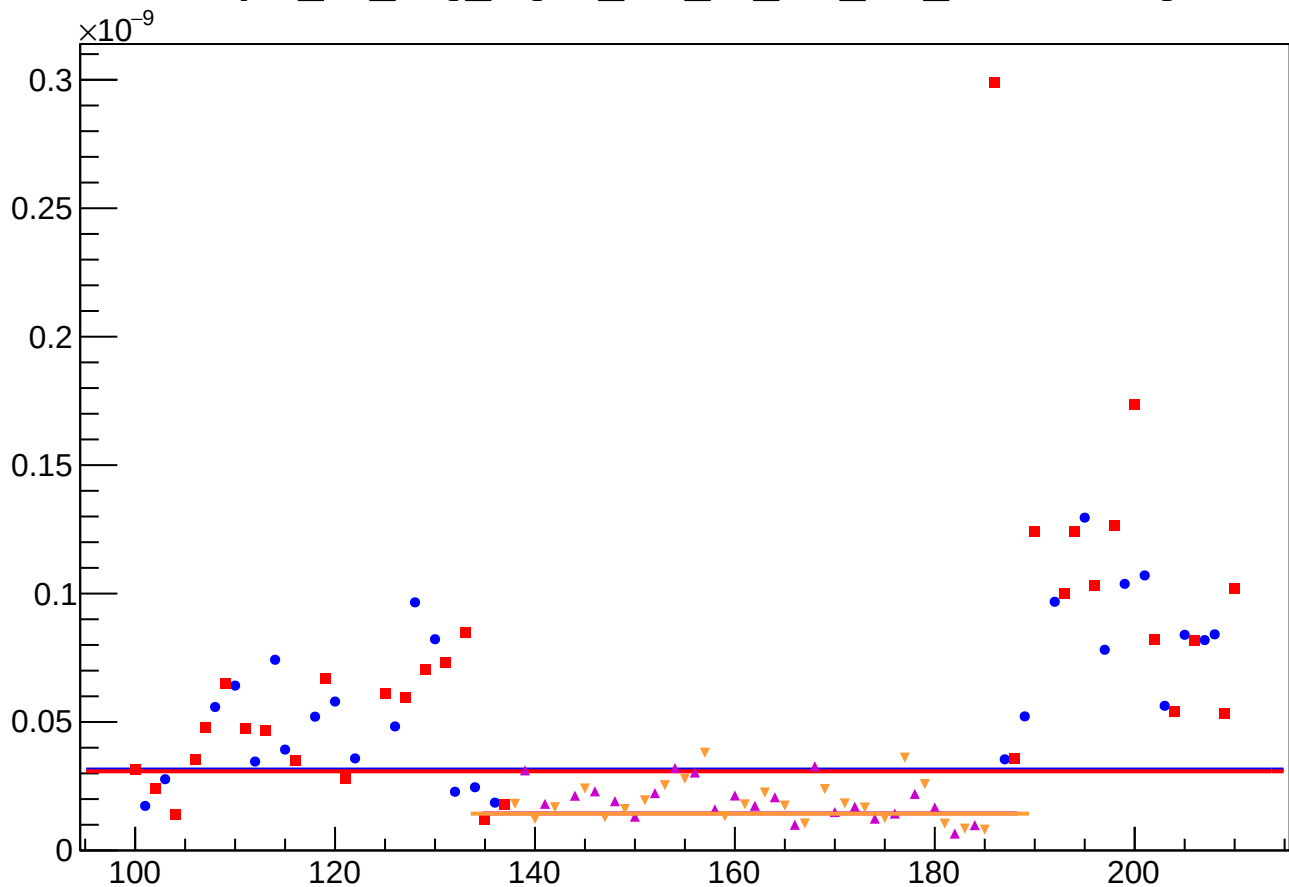
Left In: 0.000 ± 0.000 χ^2/NDF : 23.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 48.7/50

All: 0.000 ± 0.000 χ^2/NDF : 124.3/104

- sign 0.000 ± 0.000 χ^2/NDF : 75.5/53

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

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

Right Out: 0.000+/-0.000 χ^2/NDF : 8679845.3/30

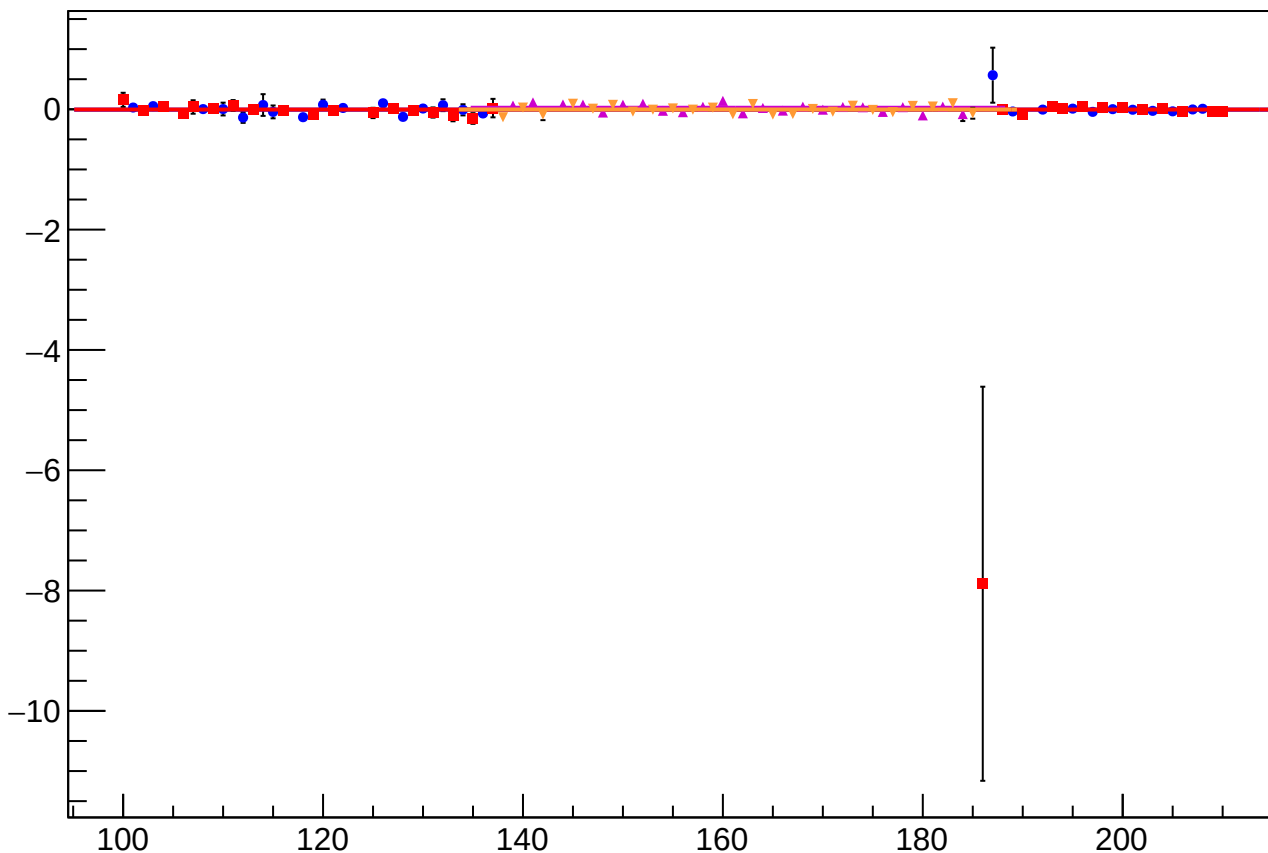
Left In: 0.000+/-0.000 χ^2/NDF : 4256069.8/22

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

All: 0.000+/-0.000 χ^2/NDF : 29334733.3/104

- sign 0.000+/-0.000 χ^2/NDF : 16090033.9/53

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



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

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

Right Out: -0.004 ± 0.008 χ^2/NDF : 34.7/30

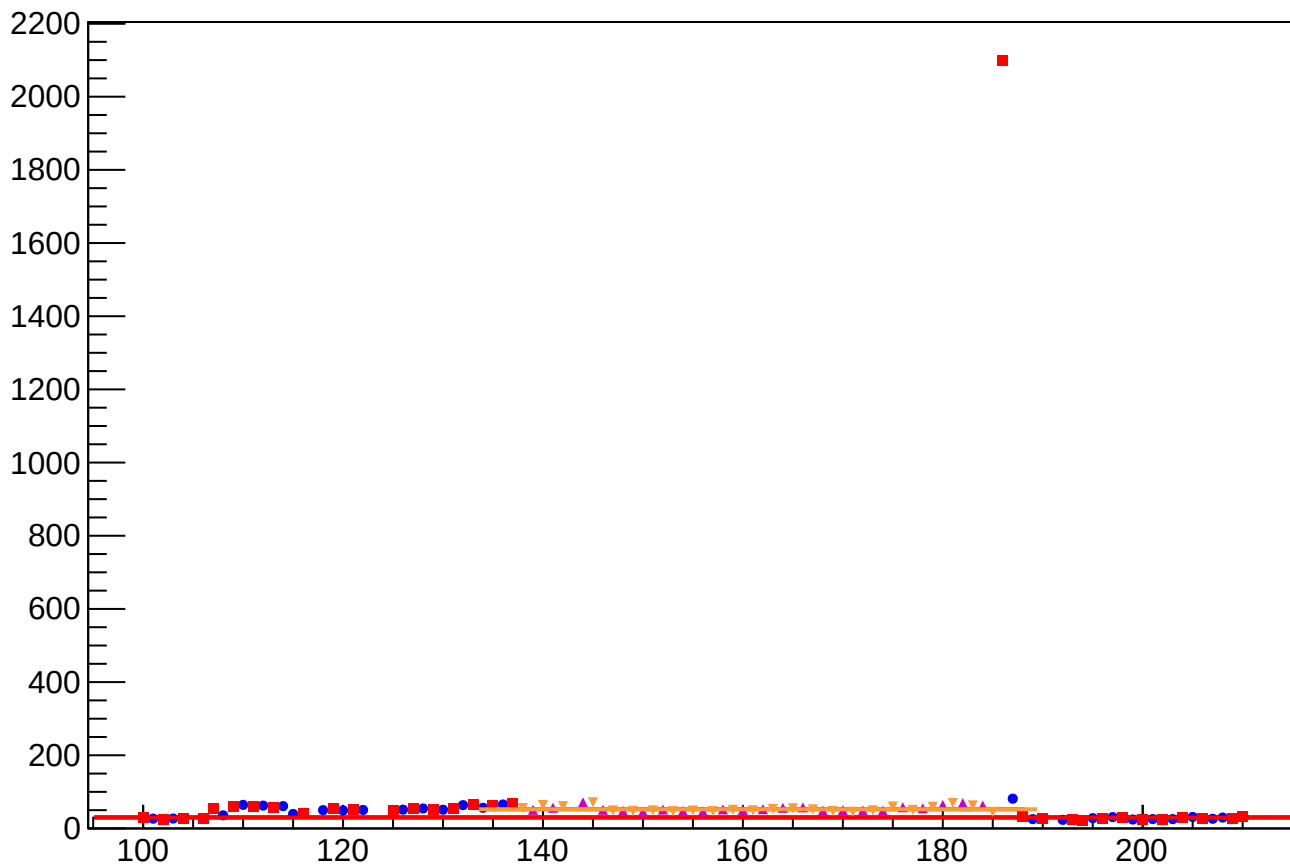
Left In: 0.025 ± 0.013 χ^2/NDF : 24.3/22

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

All: -0.001 ± 0.005 χ^2/NDF : 108.3/104

- sign 0.004 ± 0.007 χ^2/NDF : 63.1/53

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



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

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

Right Out: 29.640+/-0.005 χ^2/NDF : 3846083.6/30

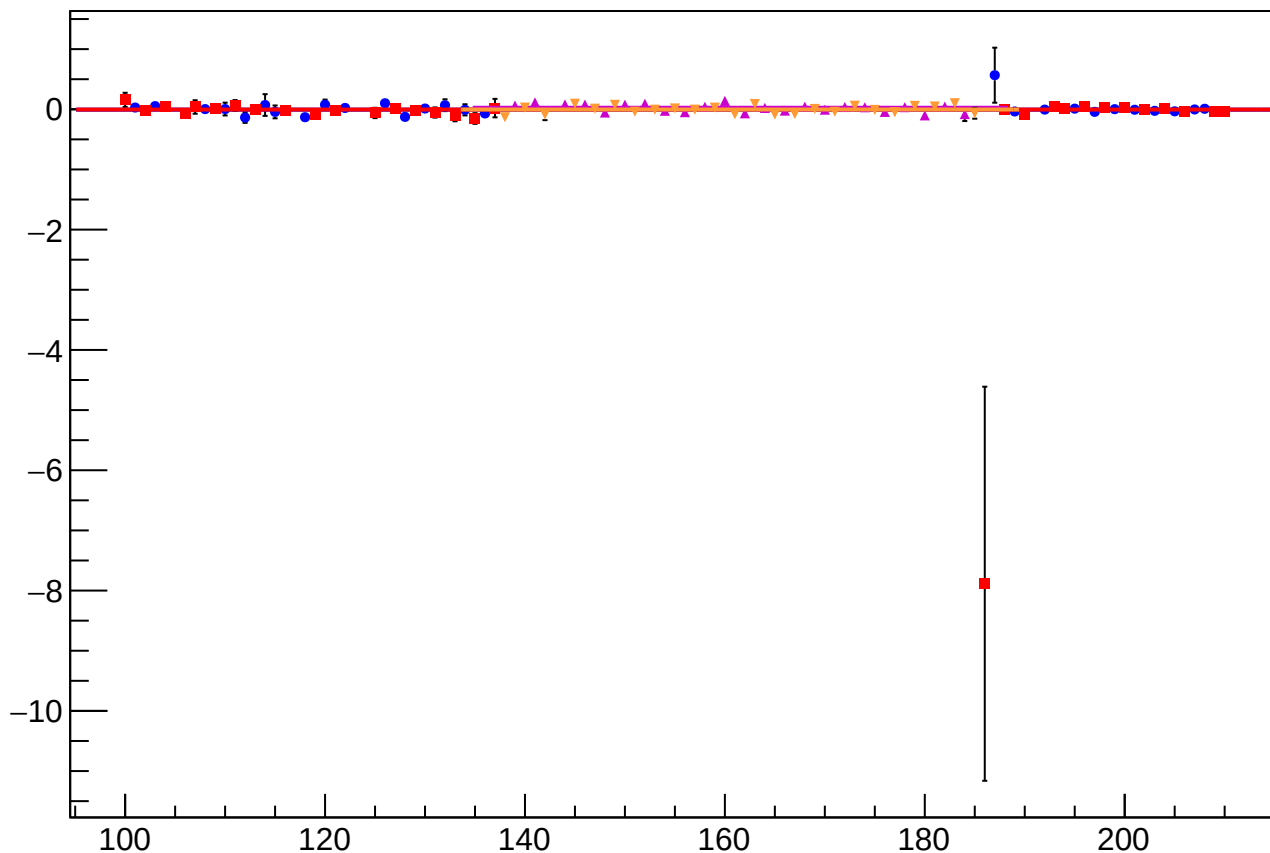
Left In: 52.484+/-0.009 χ^2/NDF : 445297.7/22

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

All: 36.545+/-0.003 χ^2/NDF : 16827552.3/104

- sign 35.953+/-0.005 χ^2/NDF : 9115839.1/53

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006 $\pm$ 0.008 χ^2 /NDF: 21.0/26

Left Out: -0.003 $\pm$ 0.012 χ^2 /NDF: 23.1/23

Right Out: -0.004 $\pm$ 0.008 χ^2 /NDF: 34.7/30

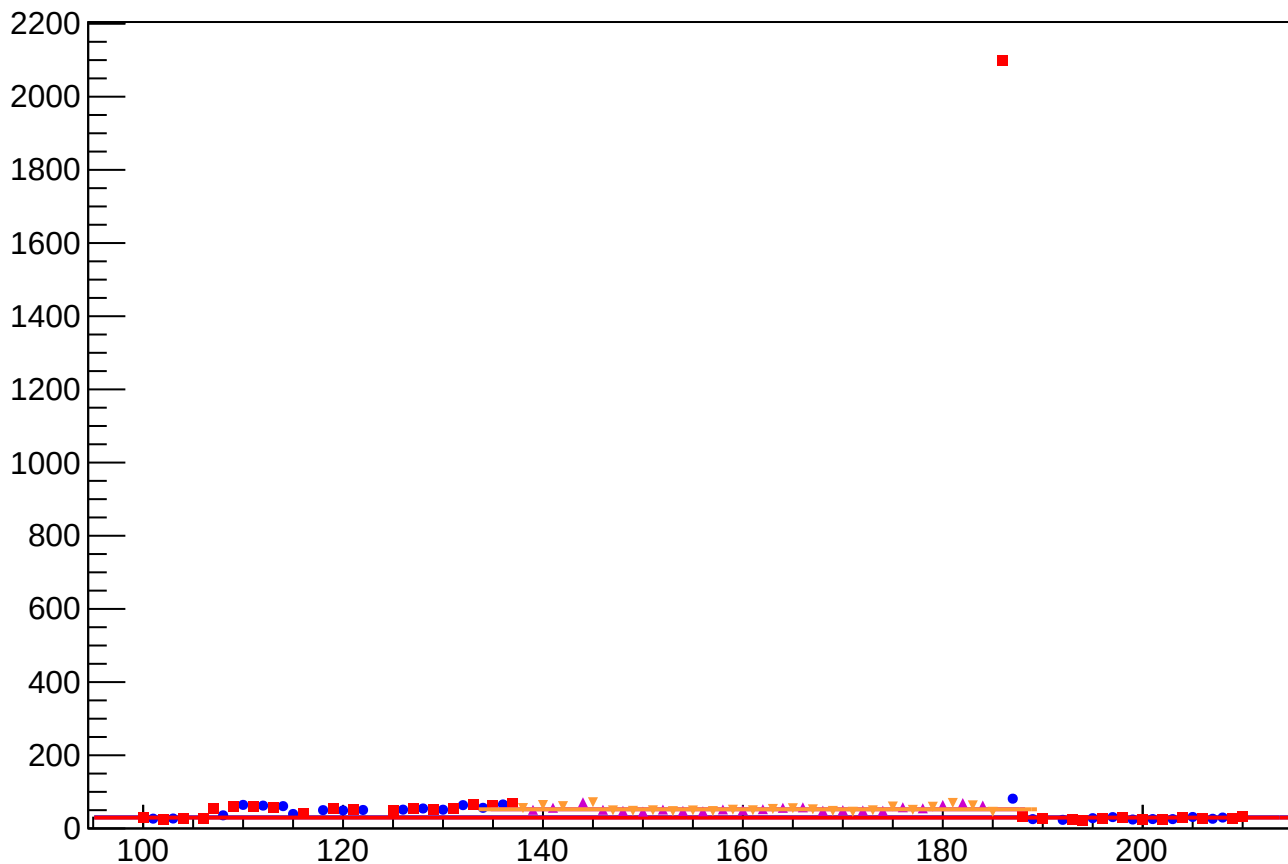
Left In: 0.025 $\pm$ 0.013 χ^2 /NDF: 24.3/22

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

All: -0.001 $\pm$ 0.005 χ^2 /NDF: 108.3/104

- sign 0.004 $\pm$ 0.007 χ^2 /NDF: 63.1/53

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

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

Right Out: 29.640+/-0.005 χ^2/NDF : 3846083.6/30

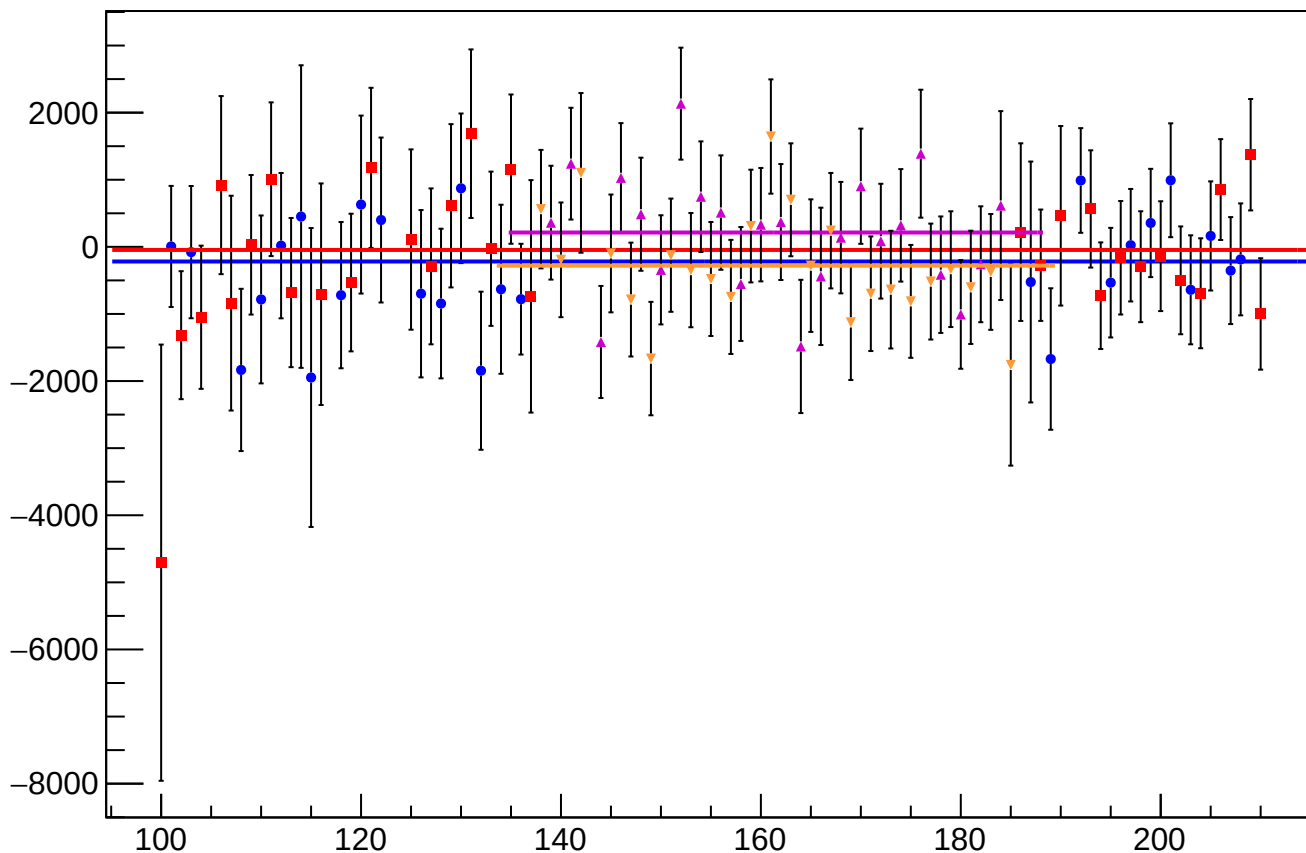
Left In: 52.484+/-0.009 χ^2/NDF : 445297.7/22

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

All: 36.545+/-0.003 χ^2/NDF : 16827552.3/104

- sign 35.953+/-0.005 χ^2/NDF : 9115839.1/53

reg_asym_us_dd_mean vs Slug



Right In: -218.187 ± 193.456 $\chi^2/\text{NDF}: 15.2/26$

Left Out: -280.364 ± 179.881 $\chi^2/\text{NDF}: 16.1/23$

Right Out: -46.094 ± 183.820 $\chi^2/\text{NDF}: 19.9/30$

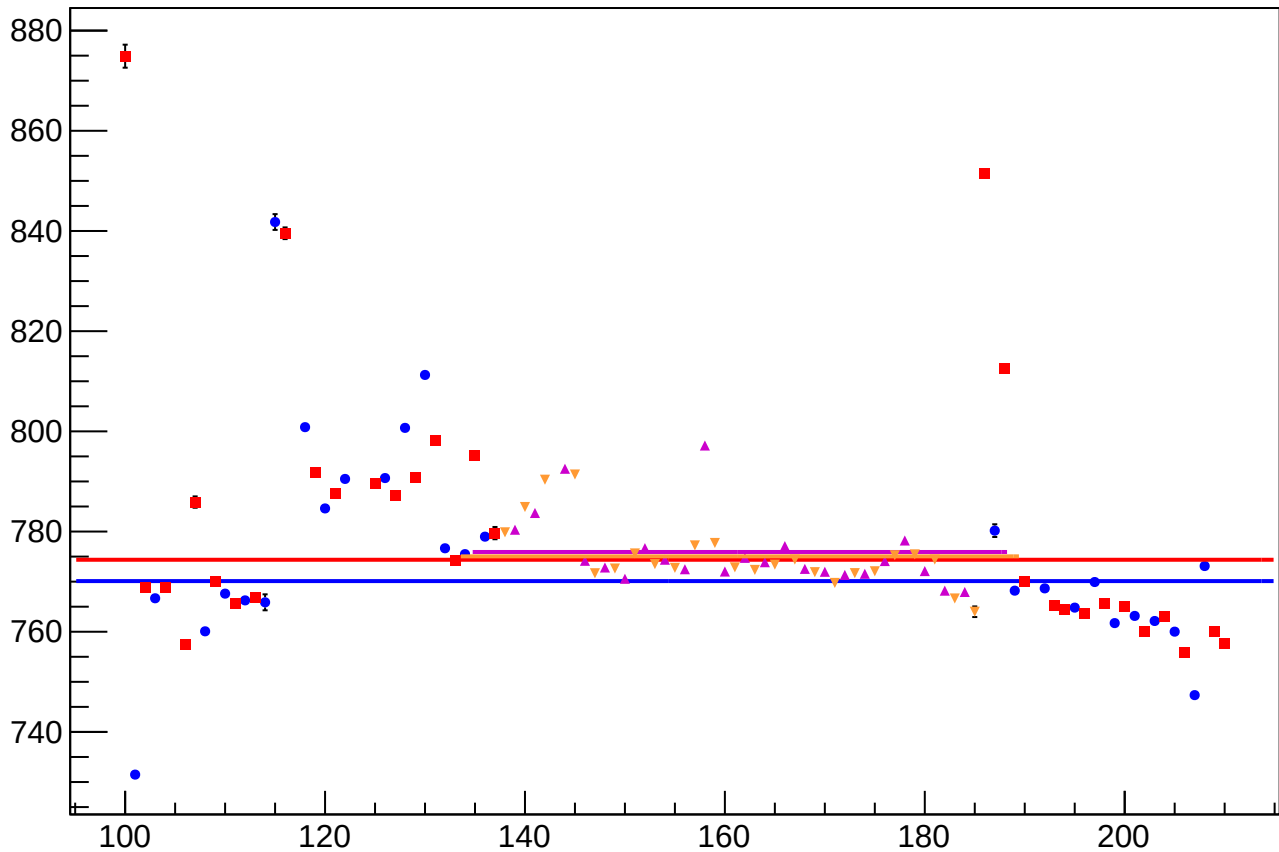
Left In: 213.425 ± 181.168 $\chi^2/\text{NDF}: 22.4/22$

+ sign -251.533 ± 131.733 $\chi^2/\text{NDF}: 31.3/50$

All: -79.501 ± 92.180 $\chi^2/\text{NDF}: 78.0/104$

- sign 85.551 ± 129.033 $\chi^2/\text{NDF}: 43.3/53$

reg_asym_us_dd_rms vs Slug



Right In: 770.111 $\pm$ 0.137 χ^2 /NDF: 16094.5/26

Left Out: 775.050 $\pm$ 0.127 χ^2 /NDF:1951.3/23

Right Out: 774.369 $\pm$ 0.130 χ^2 /NDF: 24992.0/30

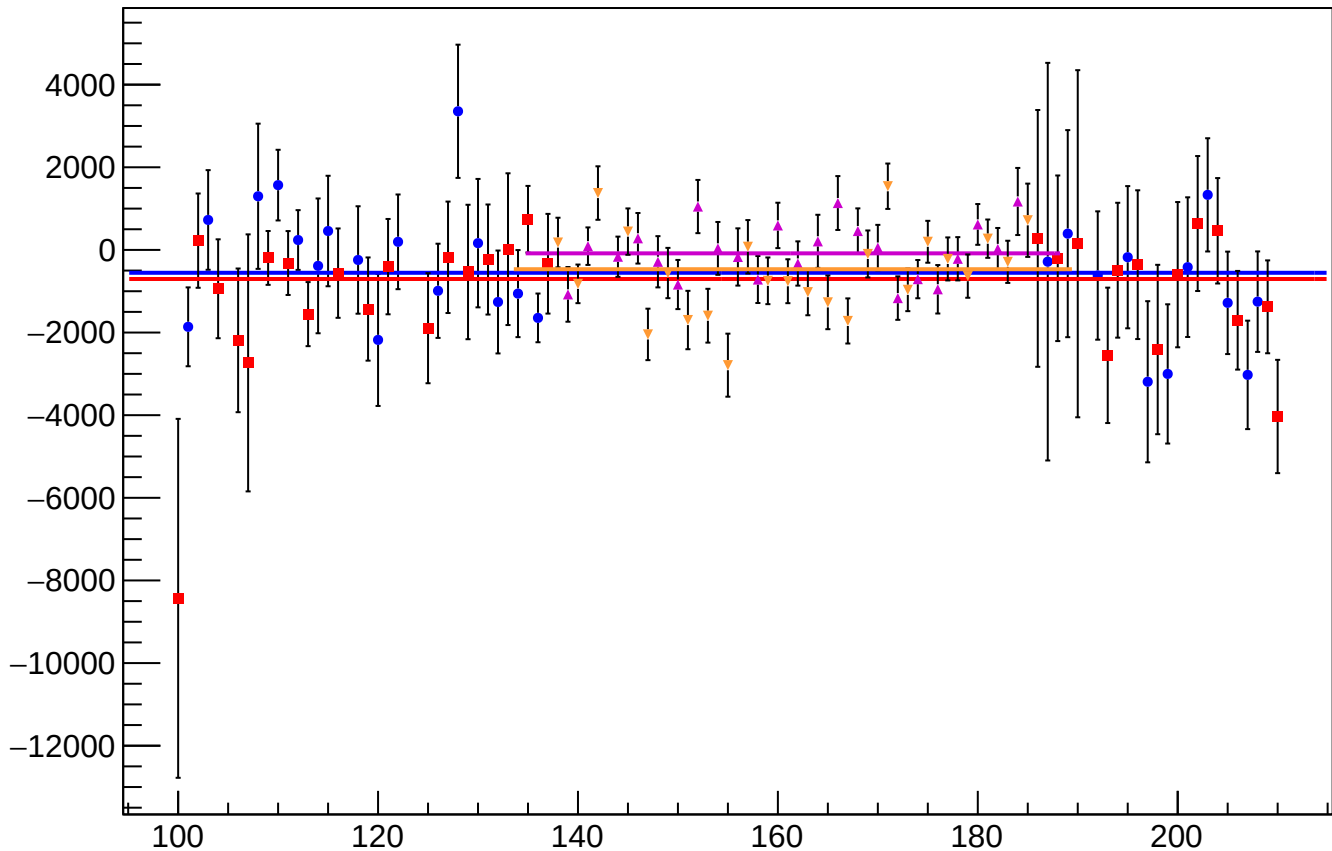
Left In: 775.922 $\pm$ 0.128 χ^2 /NDF:2973.0/22

+ sign 772.760 $\pm$ 0.093 χ^2 /NDF: 18744.7/50

All: 773.983 $\pm$ 0.065 χ^2 /NDF: 47120.1/104

- sign 775.157 $\pm$ 0.091 χ^2 /NDF: 28037.4/53

asym_us_dd_reg_correction_mean vs Slug



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

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

Right Out: -703.668 ± 226.402 χ^2/NDF : 22.7/30

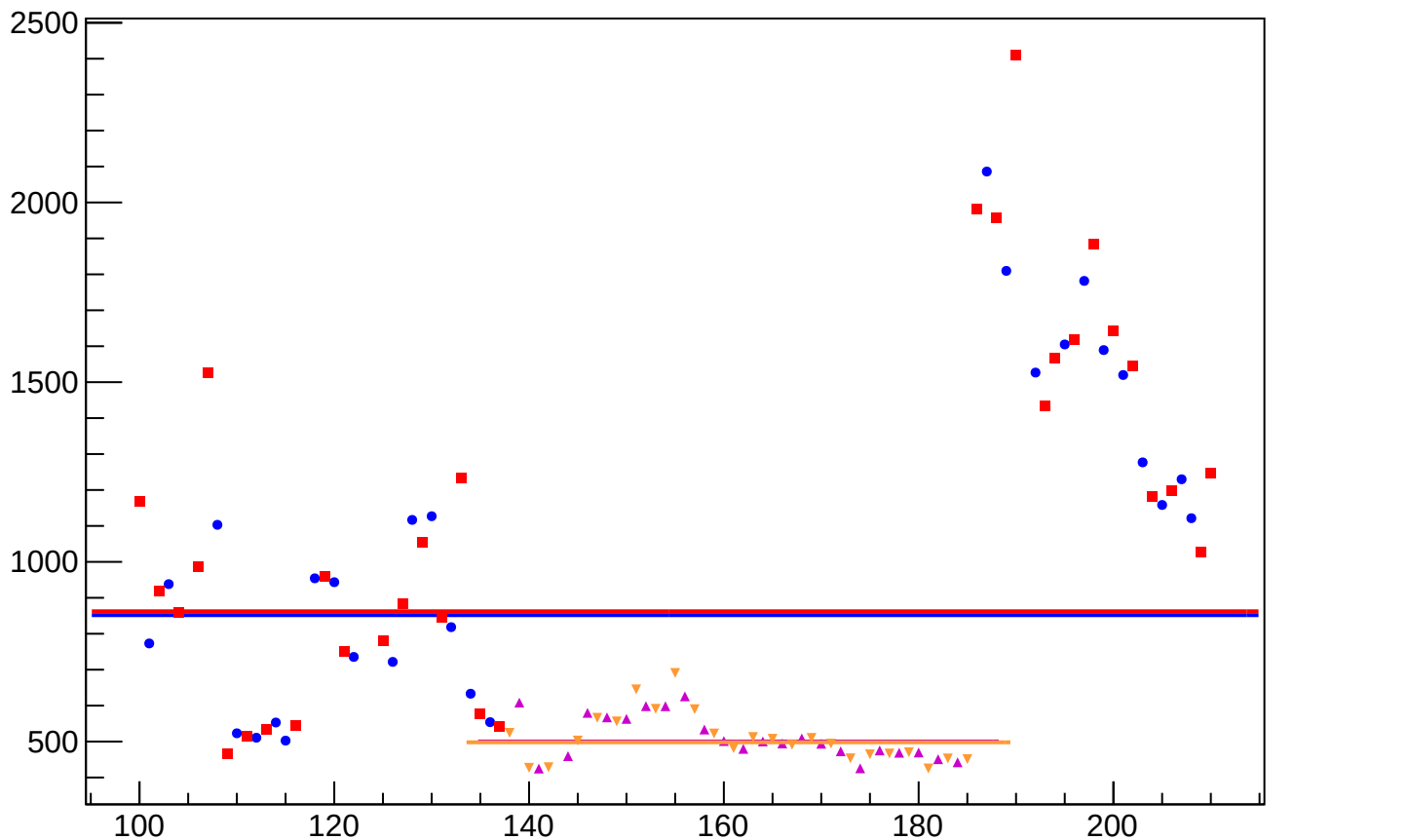
Left In: -83.154 ± 117.808 χ^2/NDF : 28.1/22

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

All: -350.114 ± 73.843 χ^2/NDF : 158.7/104

- sign -215.367 ± 104.506 χ^2/NDF : 56.8/53

asym_us_dd_reg_correction_rms vs Slug



Right In: 851.727 $\pm$ 0.165 χ^2 /NDF: 4702666.1/26

Left Out: 497.966 $\pm$ 0.083 χ^2 /NDF: 526993.3/23

Right Out: 862.493 $\pm$ 0.160 χ^2 /NDF: 6147818.1/30

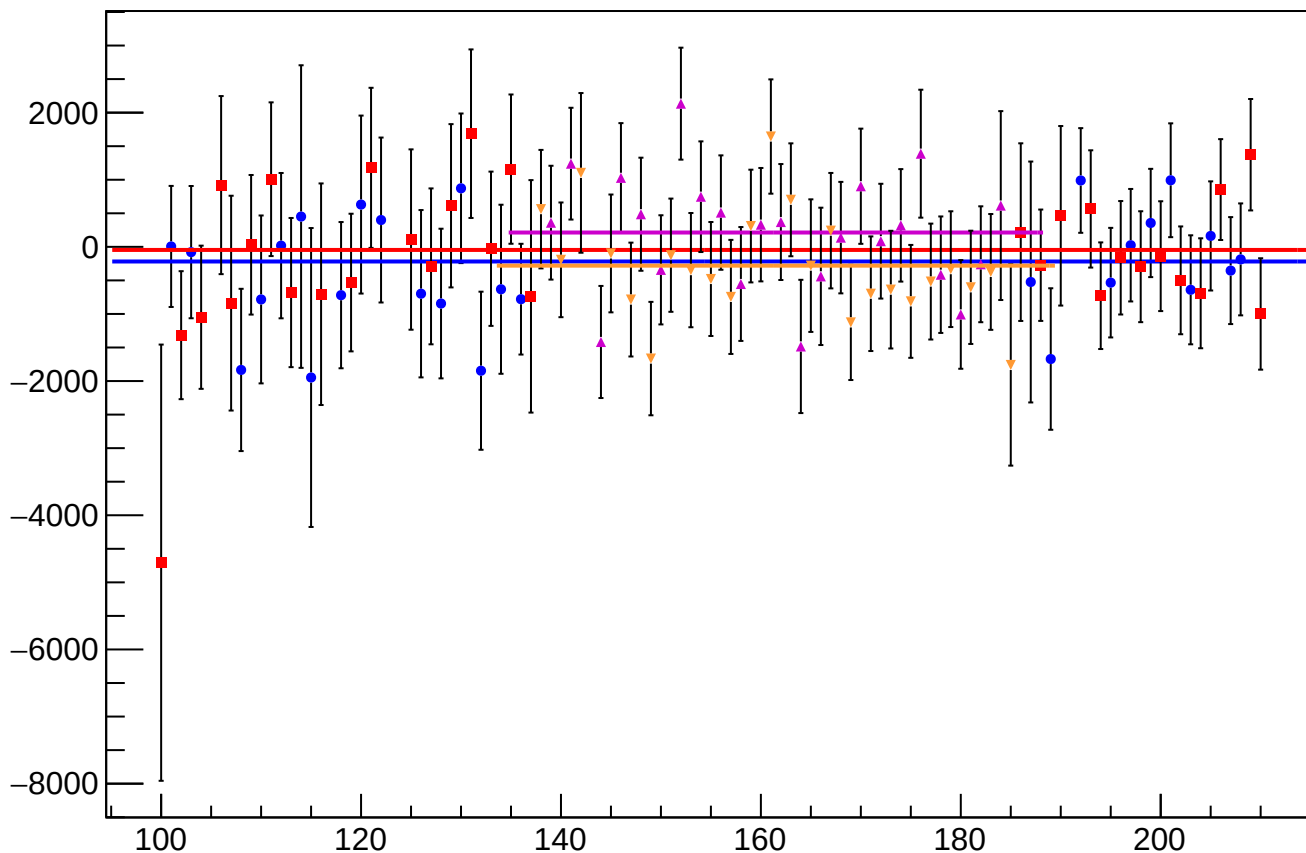
Left In: 500.307 $\pm$ 0.083 χ^2 /NDF: 477388.4/22

+ sign 568.921 $\pm$ 0.074 χ^2 /NDF: 8915093.6/50

All: 573.193 $\pm$ 0.052 χ^2 /NDF: 19574822.1/10

- sign 577.478 $\pm$ 0.074 χ^2 /NDF: 10653013.9/53

cor_asym_us_dd_mean vs Slug



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

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

Right Out: -46.094+/-183.820 χ^2/NDF : 19.9/30

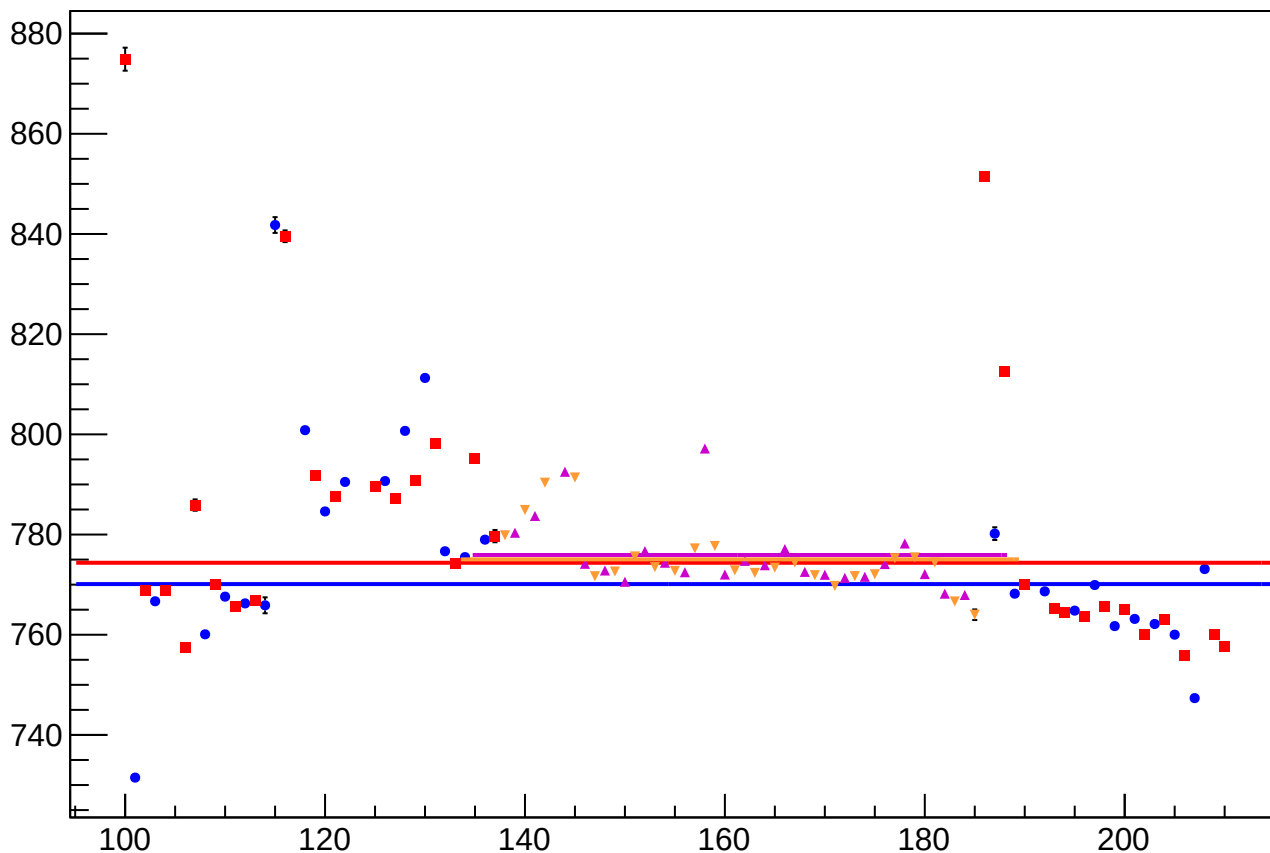
Left In: 213.425+/-181.168 χ^2/NDF : 22.4/22

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

All: -79.501+/-92.180 χ^2/NDF : 78.0/104

- sign 85.551+/-129.033 χ^2/NDF : 43.3/53

cor_asym_us_dd_rms vs Slug



Right In: 770.111 $\pm$ 0.137 χ^2 /NDF: 16094.5/26

Left Out: 775.050 $\pm$ 0.127 χ^2 /NDF:1951.3/23

Right Out: 774.369 $\pm$ 0.130 χ^2 /NDF: 24992.0/30

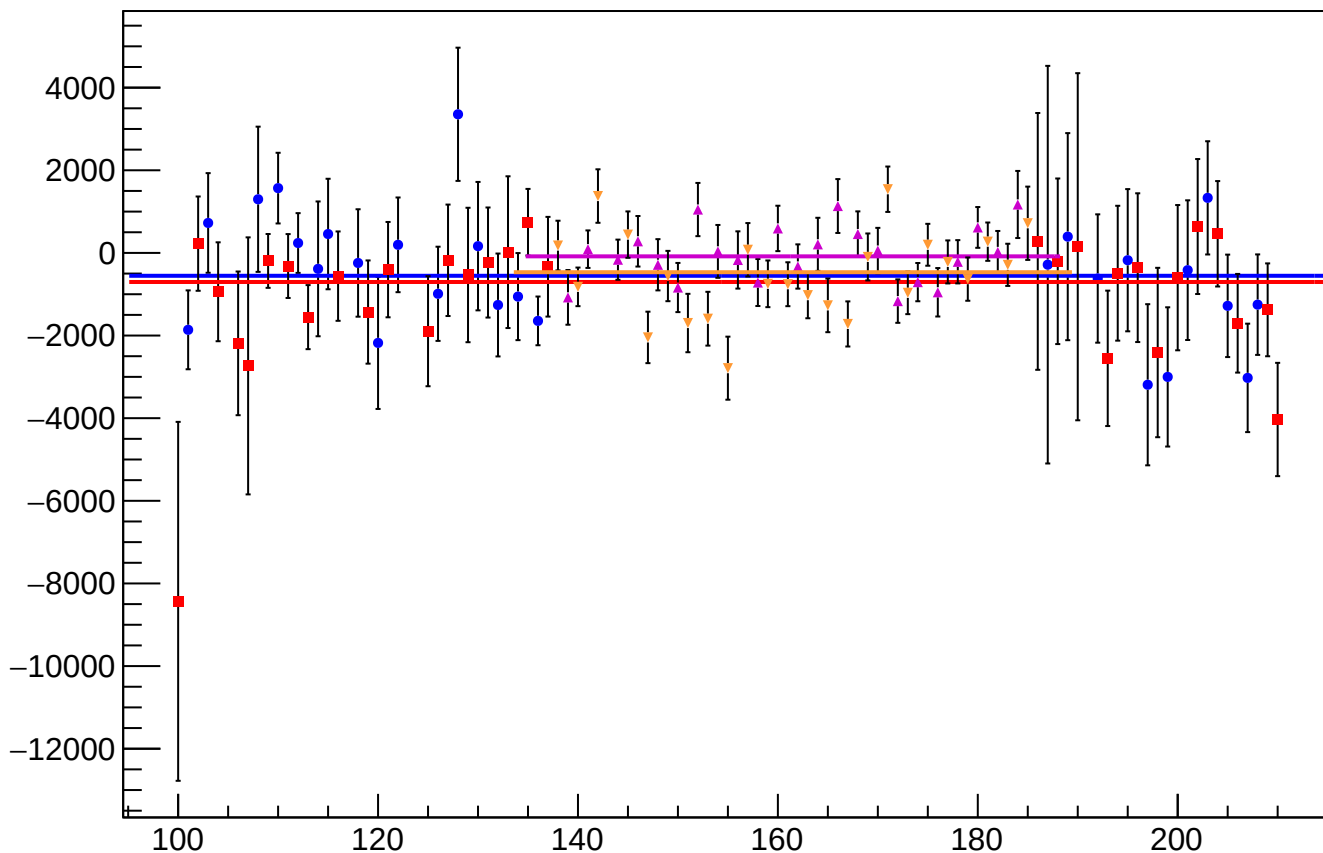
Left In: 775.922 $\pm$ 0.128 χ^2 /NDF:2973.0/22

+ sign 772.760 $\pm$ 0.093 χ^2 /NDF: 18744.7/50

All: 773.983 $\pm$ 0.065 χ^2 /NDF: 47120.1/104

- sign 775.157 $\pm$ 0.091 χ^2 /NDF: 28037.4/53

asym_us_dd_cor_correction_mean vs Slug



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

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

Right Out: -703.668 ± 226.402 χ^2/NDF : 22.7/30

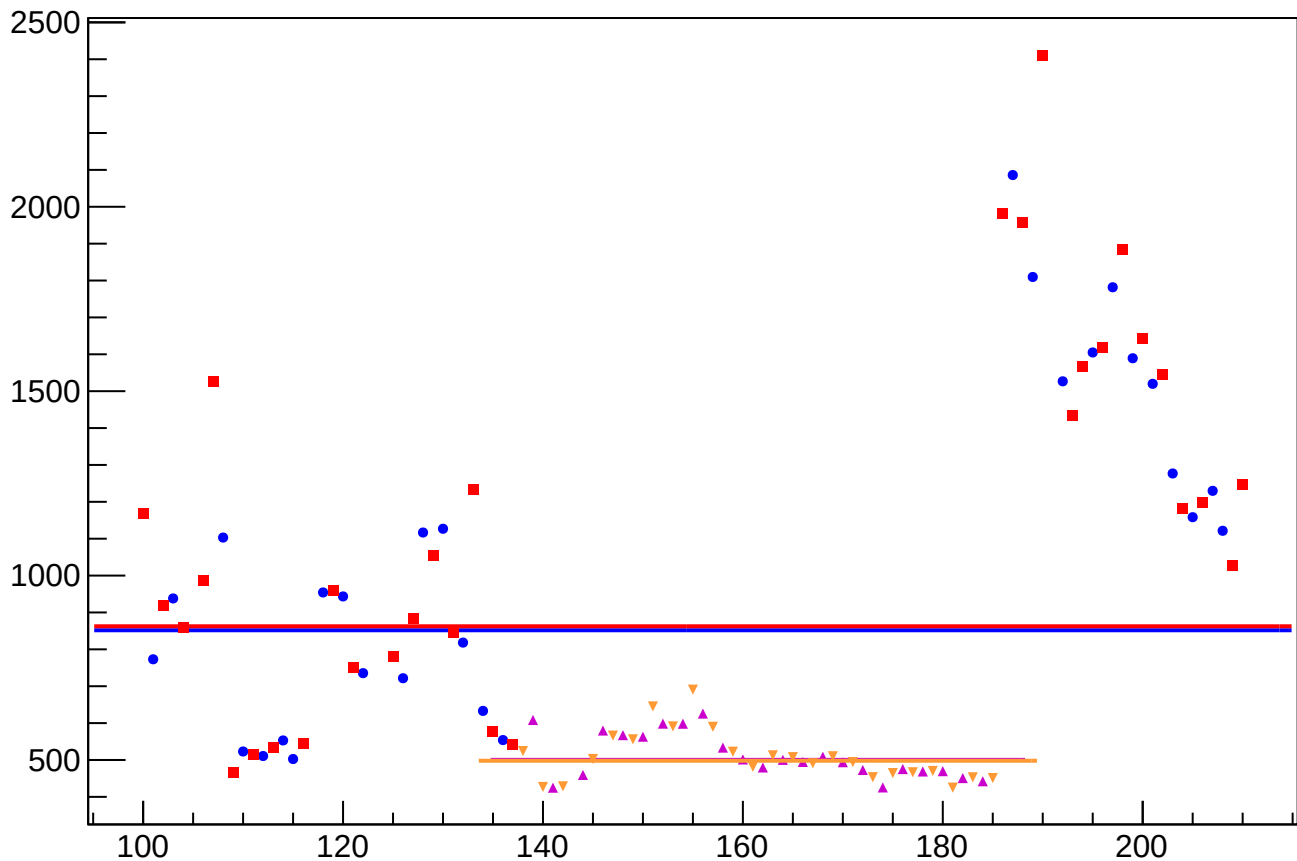
Left In: -83.154 ± 117.808 χ^2/NDF : 28.1/22

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

All: -350.114 ± 73.843 χ^2/NDF : 158.7/104

- sign -215.367 ± 104.506 χ^2/NDF : 56.8/53

asym_us_dd_cor_correction_rms vs Slug



Right In: 851.727 $\pm$ 0.165 χ^2 /NDF: 4702666.1/26

Left Out: 497.966 $\pm$ 0.083 χ^2 /NDF: 526993.3/23

Right Out: 862.493 $\pm$ 0.160 χ^2 /NDF: 6147818.1/30

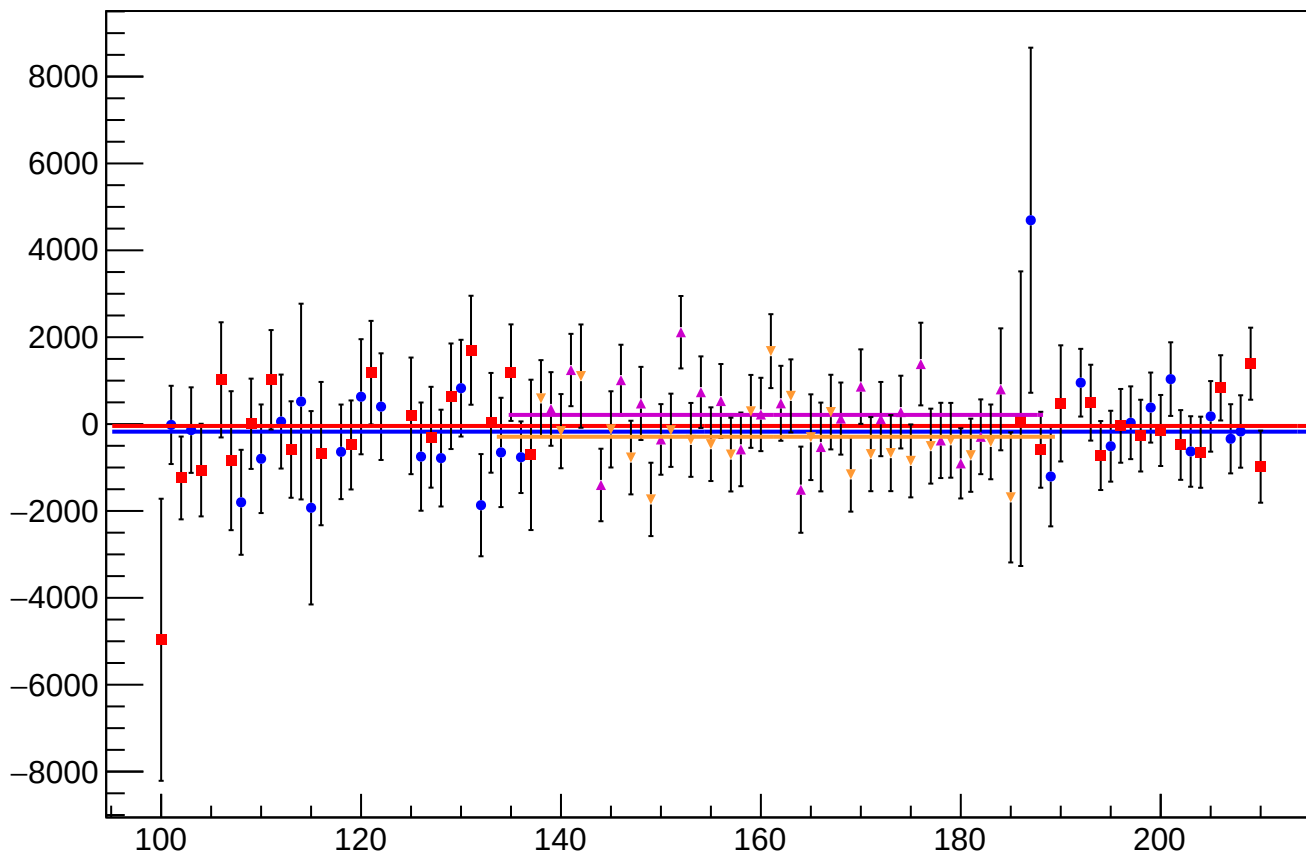
Left In: 500.307 $\pm$ 0.083 χ^2 /NDF: 477388.4/22

+ sign 568.921 $\pm$ 0.074 χ^2 /NDF: 8915093.6/50

All: 573.193 $\pm$ 0.052 χ^2 /NDF: 19574822.1/10

- sign 577.478 $\pm$ 0.074 χ^2 /NDF: 10653013.9/53

overload_cor_asym_us_dd_mean vs Slug



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

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

Right Out: -43.144+/-185.695 χ^2/NDF : 20.1/30

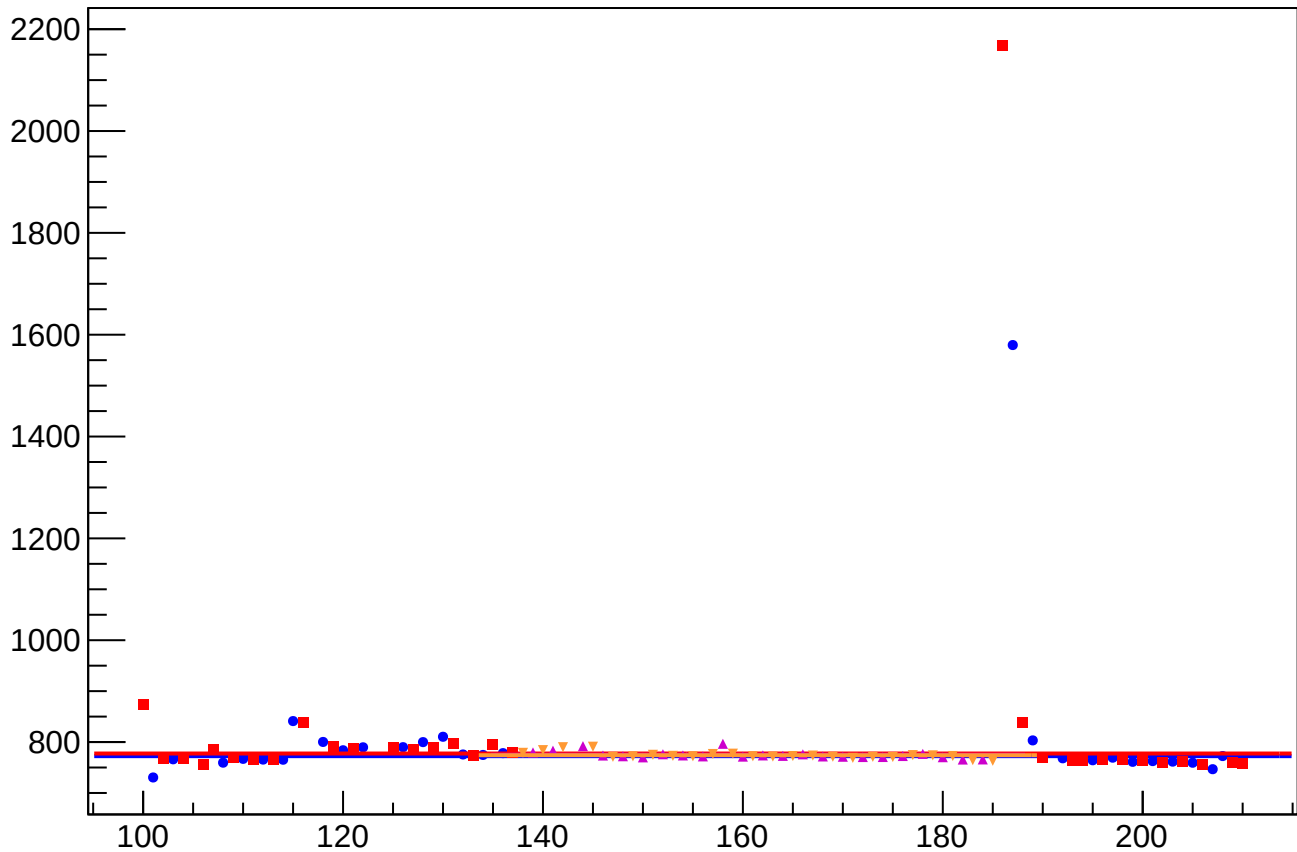
Left In: 211.238+/-180.951 χ^2/NDF : 22.1/22

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

All: -72.330+/-92.491 χ^2/NDF : 78.4/104

- sign 87.338+/-129.596 χ^2/NDF : 43.2/53

overload_cor_asym_us_dd_rms vs Slug



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

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

Right Out: 777.485+/-0.131 χ^2/NDF : 361580.0/30

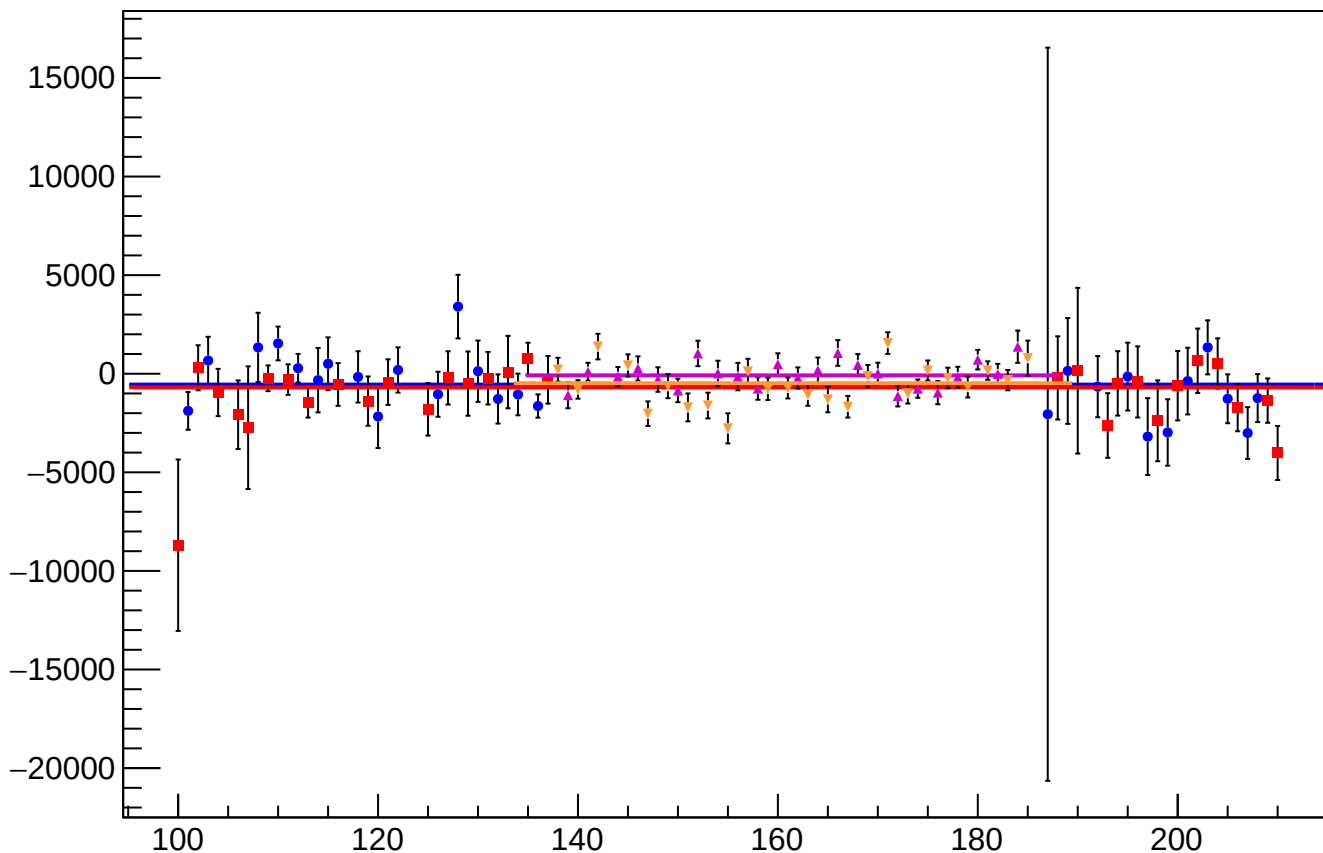
Left In: 774.990+/-0.128 χ^2/NDF : 3148.2/22

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

All: 774.779+/-0.065 χ^2/NDF : 468118.8/104

- sign 776.205+/-0.092 χ^2/NDF : 364913.4/53

asym_us_dd_overload_cor_correction_mean vs Slug



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

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

Right Out: -692.250+/-227.425 χ^2/NDF : 22.6/29

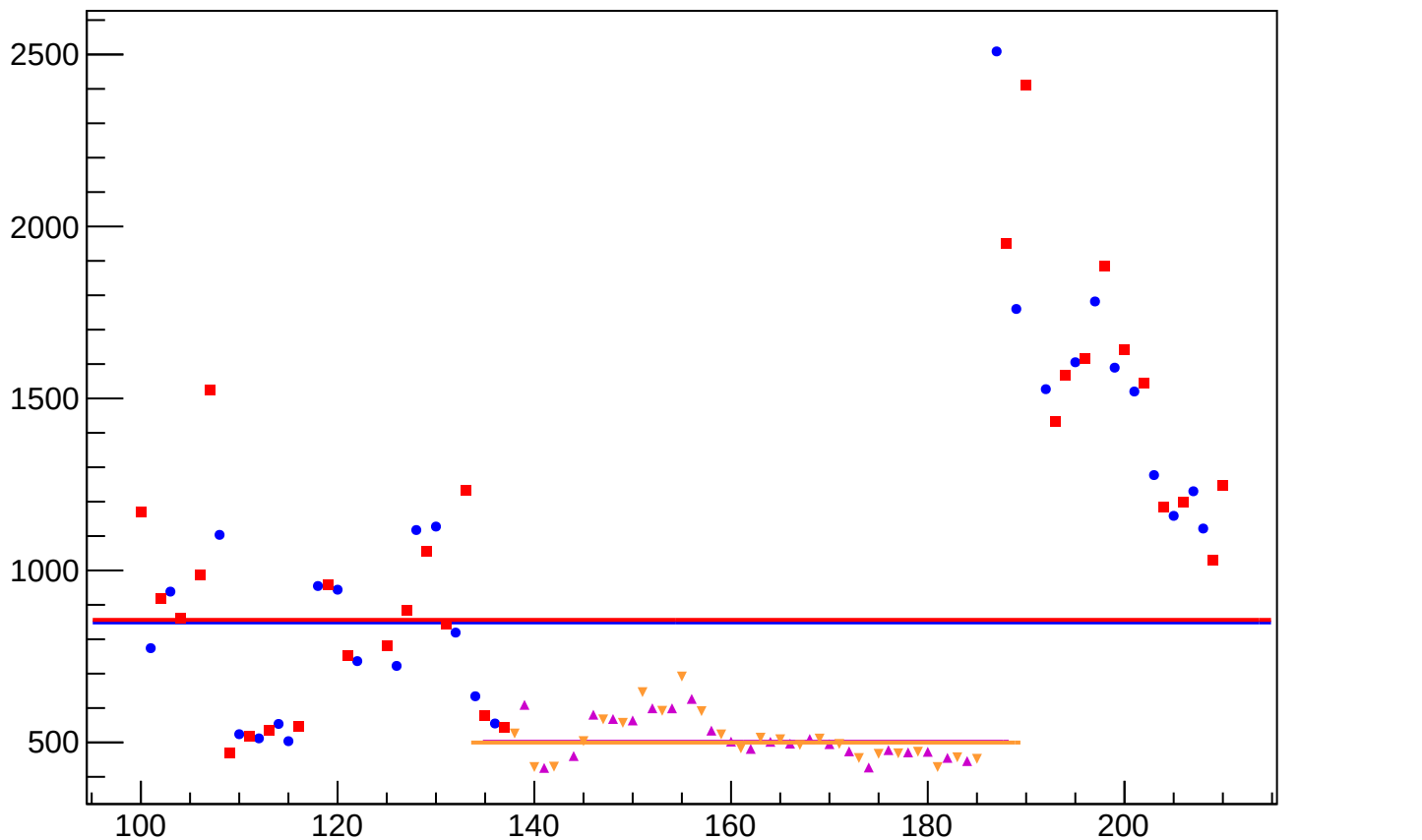
Left In: -83.196+/-118.194 χ^2/NDF : 28.2/22

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

All: -354.340+/-74.091 χ^2/NDF : 157.7/103

- sign -212.716+/-104.876 χ^2/NDF : 56.5/52

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 848.868 $\pm$ 0.165 χ^2 /NDF: 4508807.7/26

Left Out: 499.670 $\pm$ 0.083 χ^2 /NDF: 516314.6/23

Right Out: 856.245 $\pm$ 0.161 χ^2 /NDF: 5798001.5/29

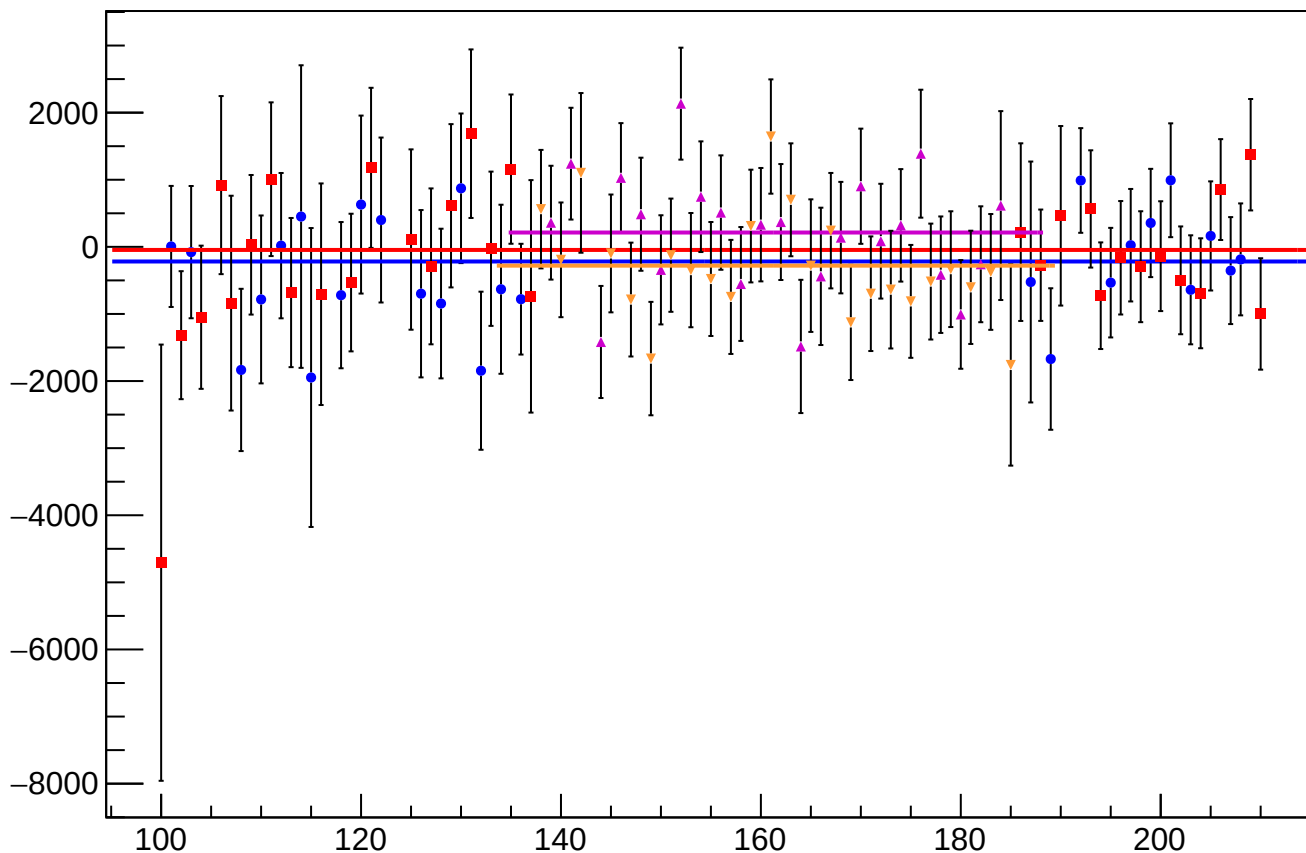
Left In: 502.026 $\pm$ 0.084 χ^2 /NDF: 467449.2/22

+ sign 569.756 $\pm$ 0.074 χ^2 /NDF: 8595252.1/50

All: 573.548 $\pm$ 0.052 χ^2 /NDF: 18685931.3/10

- sign 577.353 $\pm$ 0.074 χ^2 /NDF: 10085422.5/52

eigen_cor_asym_us_dd_mean vs Slug



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

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

Right Out: -46.094+/-183.820 χ^2/NDF : 19.9/30

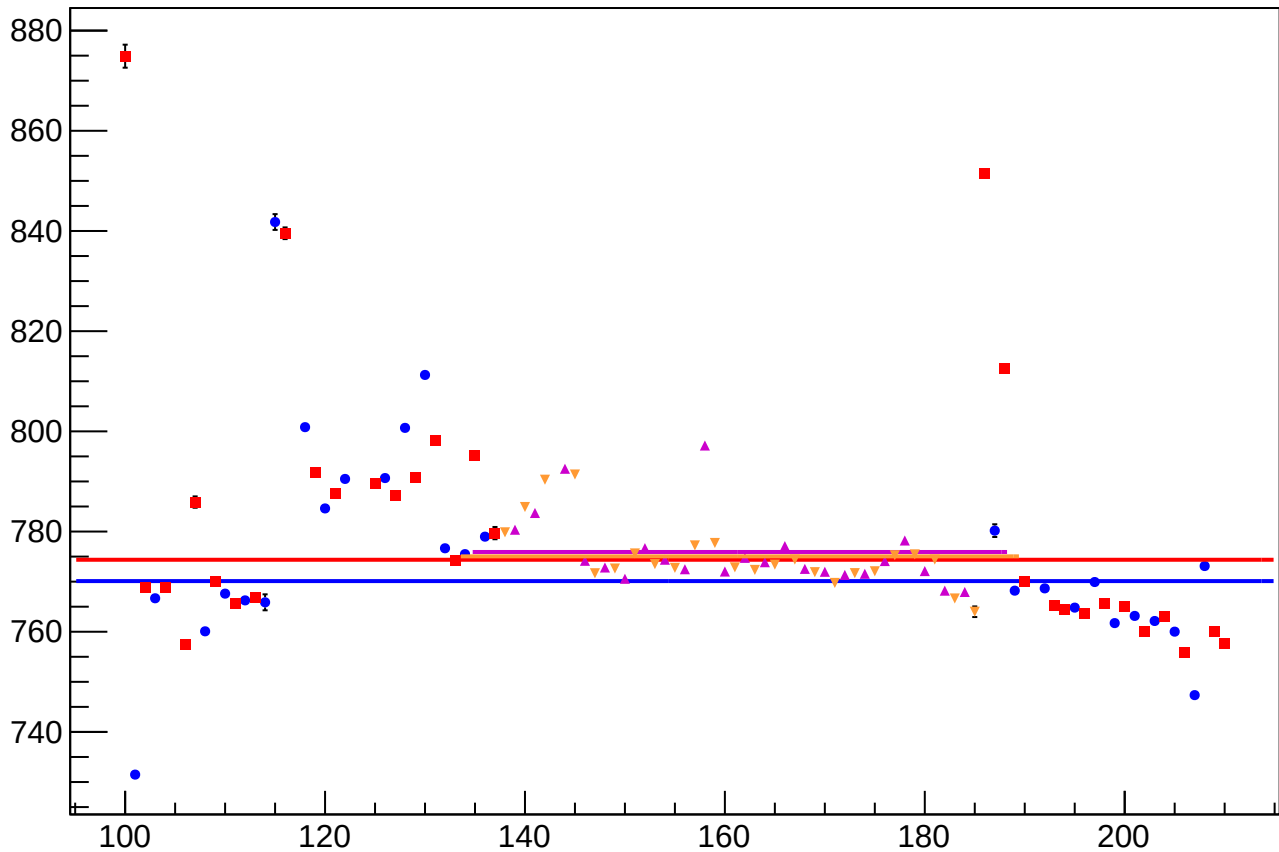
Left In: 213.425+/-181.168 χ^2/NDF : 22.4/22

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

All: -79.501+/-92.180 χ^2/NDF : 78.0/104

- sign 85.551+/-129.033 χ^2/NDF : 43.3/53

eigen_cor_asym_us_dd_rms vs Slug



Right In: 770.111 $\pm$ 0.137 χ^2 /NDF: 16094.5/26

Left Out: 775.050 $\pm$ 0.127 χ^2 /NDF:1951.3/23

Right Out: 774.369 $\pm$ 0.130 χ^2 /NDF: 24992.0/30

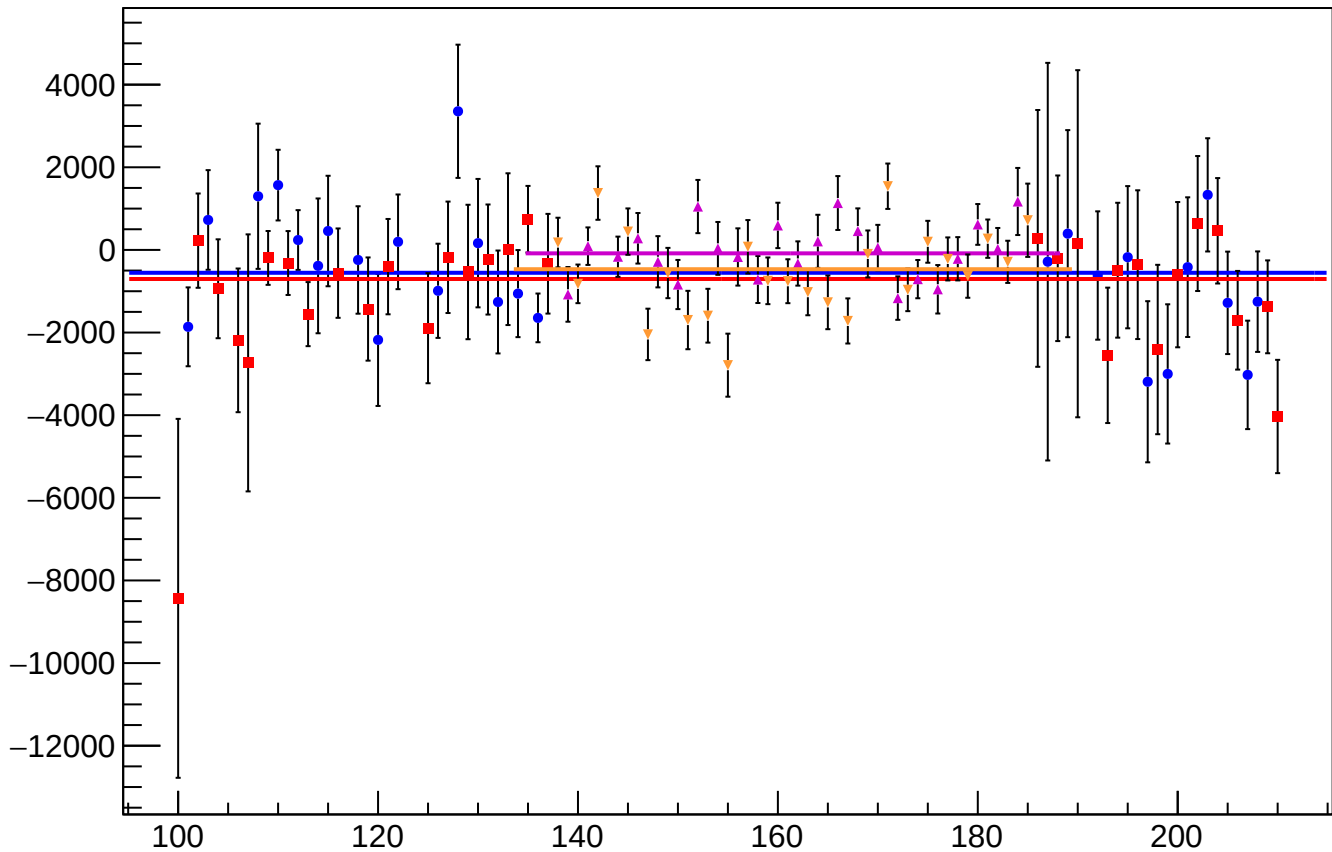
Left In: 775.922 $\pm$ 0.128 χ^2 /NDF:2973.0/22

+ sign 772.760 $\pm$ 0.093 χ^2 /NDF: 18744.7/50

All: 773.983 $\pm$ 0.065 χ^2 /NDF: 47120.1/104

- sign 775.157 $\pm$ 0.091 χ^2 /NDF: 28037.4/53

asym_us_dd_eigen_cor_correction_mean vs Slug



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

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

Right Out: -703.668 ± 226.402 χ^2/NDF : 22.7/30

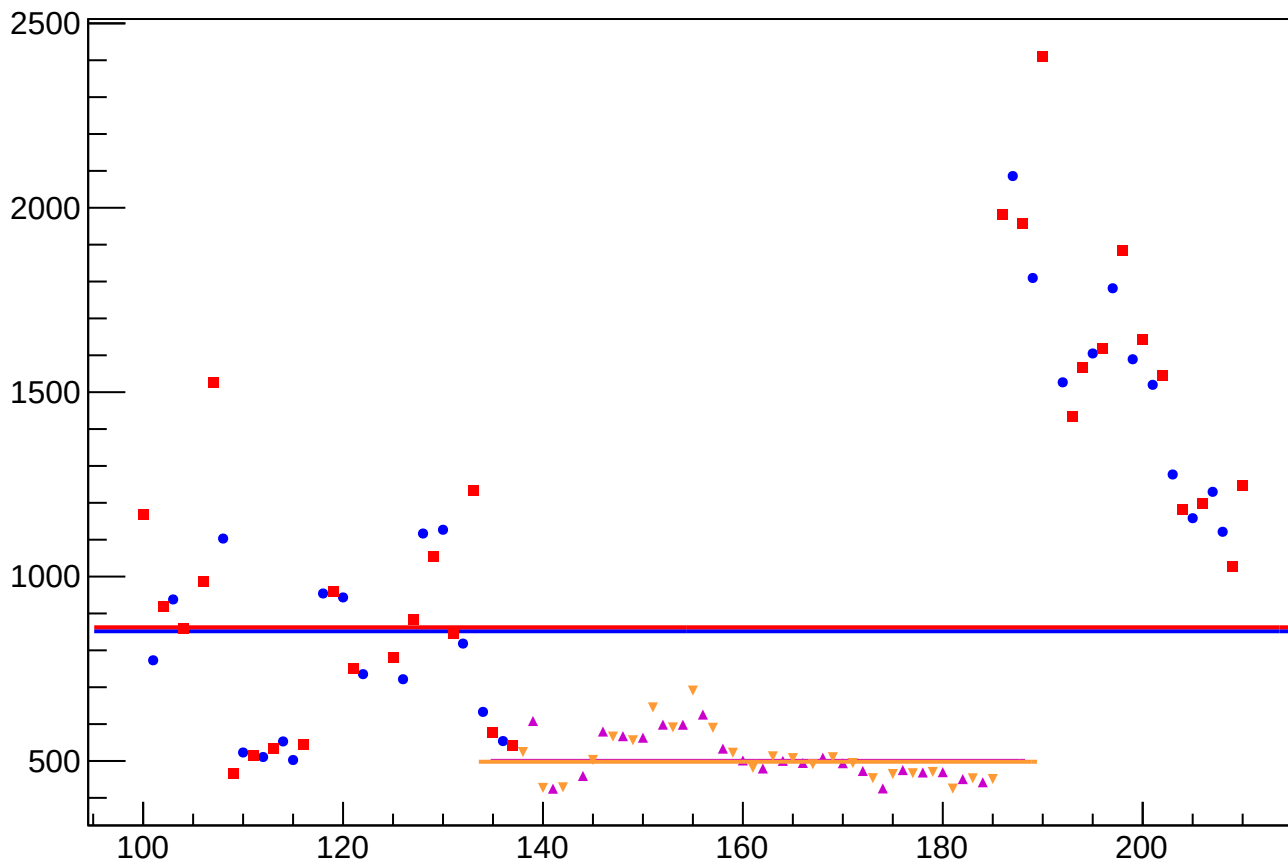
Left In: -83.154 ± 117.808 χ^2/NDF : 28.1/22

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

All: -350.114 ± 73.843 χ^2/NDF : 158.7/104

- sign -215.367 ± 104.506 χ^2/NDF : 56.8/53

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 851.727 $\pm$ 0.165 χ^2 /NDF: 4702666.1/26

Left Out: 497.966 $\pm$ 0.083 χ^2 /NDF: 526993.3/23

Right Out: 862.493 $\pm$ 0.160 χ^2 /NDF: 6147818.1/30

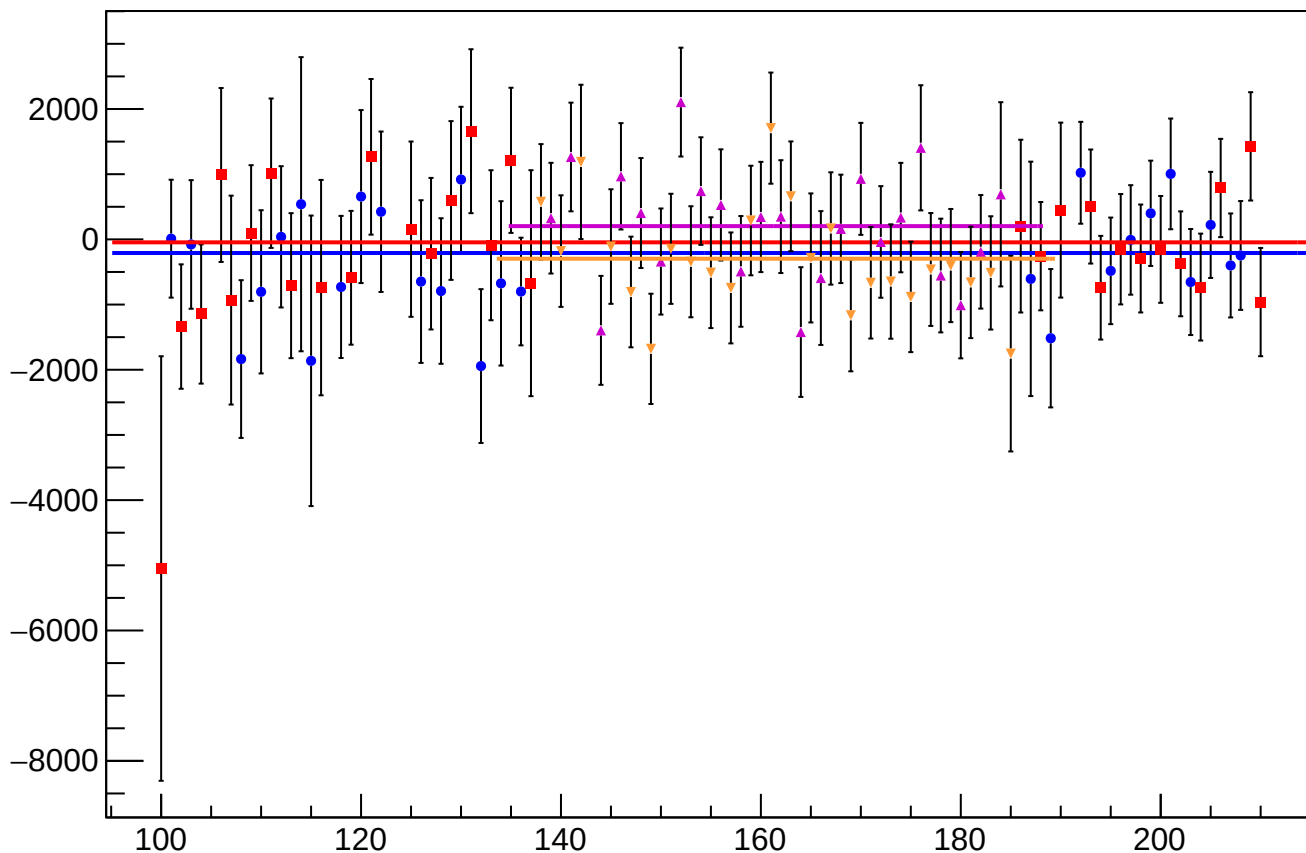
Left In: 500.307 $\pm$ 0.083 χ^2 /NDF: 477388.4/22

+ sign 568.921 $\pm$ 0.074 χ^2 /NDF: 8915093.6/50

All: 573.193 $\pm$ 0.052 χ^2 /NDF: 19574822.1/10

- sign 577.478 $\pm$ 0.074 χ^2 /NDF: 10653013.9/53

dit_asym_us_dd_mean vs Slug



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

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

Right Out: -45.509 ± 184.049 χ^2/NDF : 20.6/30

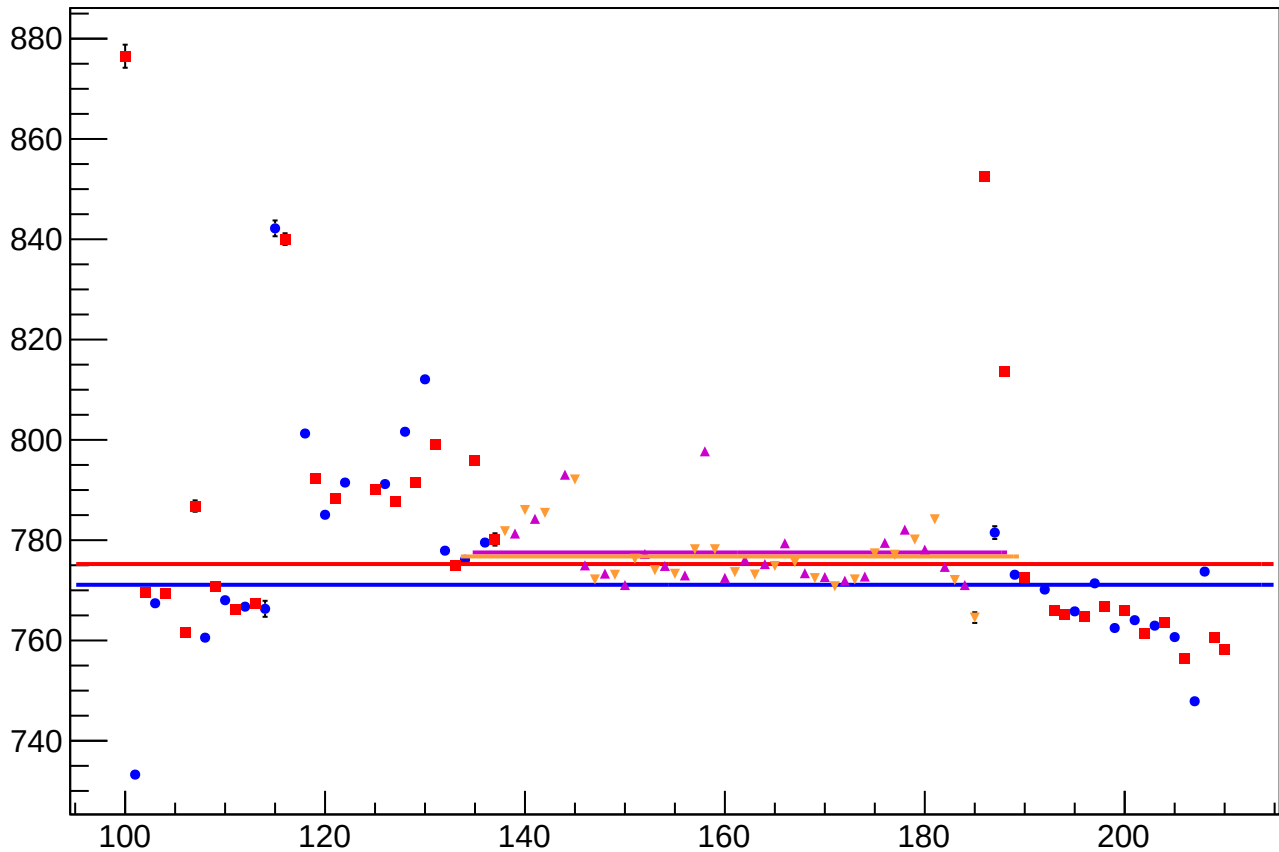
Left In: 203.339 ± 181.548 χ^2/NDF : 22.1/22

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

All: -84.165 ± 92.339 χ^2/NDF : 79.2/104

- sign 80.617 ± 129.249 χ^2/NDF : 43.6/53

dit_asym_us_dd_rms vs Slug



Right In: 771.105 $\pm$ 0.137 χ^2 /NDF: 15858.8/26

Left Out: 776.751 $\pm$ 0.127 χ^2 /NDF:1826.3/23

Right Out: 775.241 $\pm$ 0.130 χ^2 /NDF: 24870.7/30

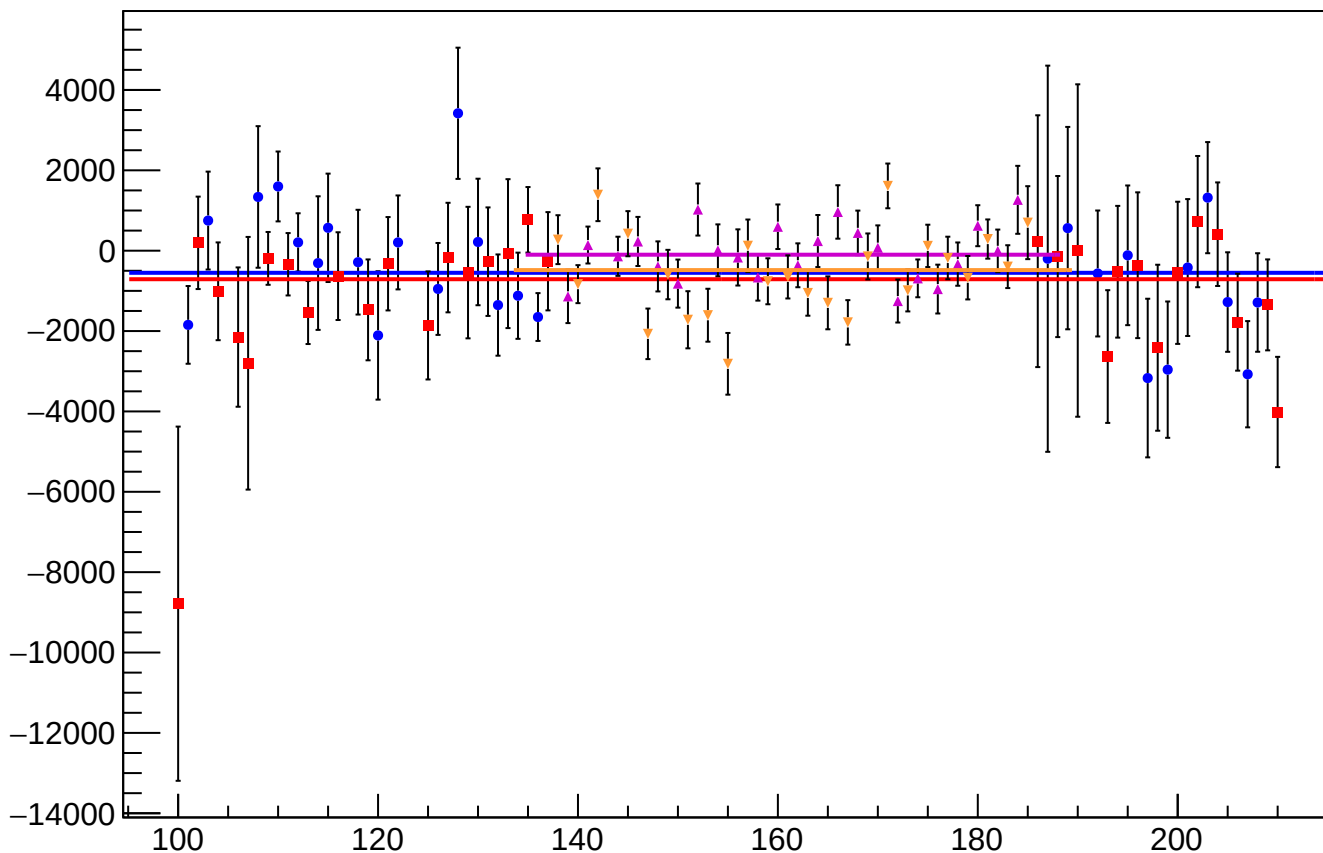
Left In: 777.550 $\pm$ 0.128 χ^2 /NDF:2750.7/22

+ sign 774.130 $\pm$ 0.093 χ^2 /NDF: 18595.6/50

All: 775.294 $\pm$ 0.065 χ^2 /NDF: 46681.5/104

- sign 776.411 $\pm$ 0.091 χ^2 /NDF: 27781.0/53

asym_us_dd_dit_correction_mean vs Slug



Right In: -550.334 $\pm$ 235.129 χ^2 /NDF: 34.0/26

Left Out: -482.886 $\pm$ 118.805 χ^2 /NDF:65.1/23

Right Out: -710.019 $\pm$ 228.265 χ^2 /NDF: 22.9/30

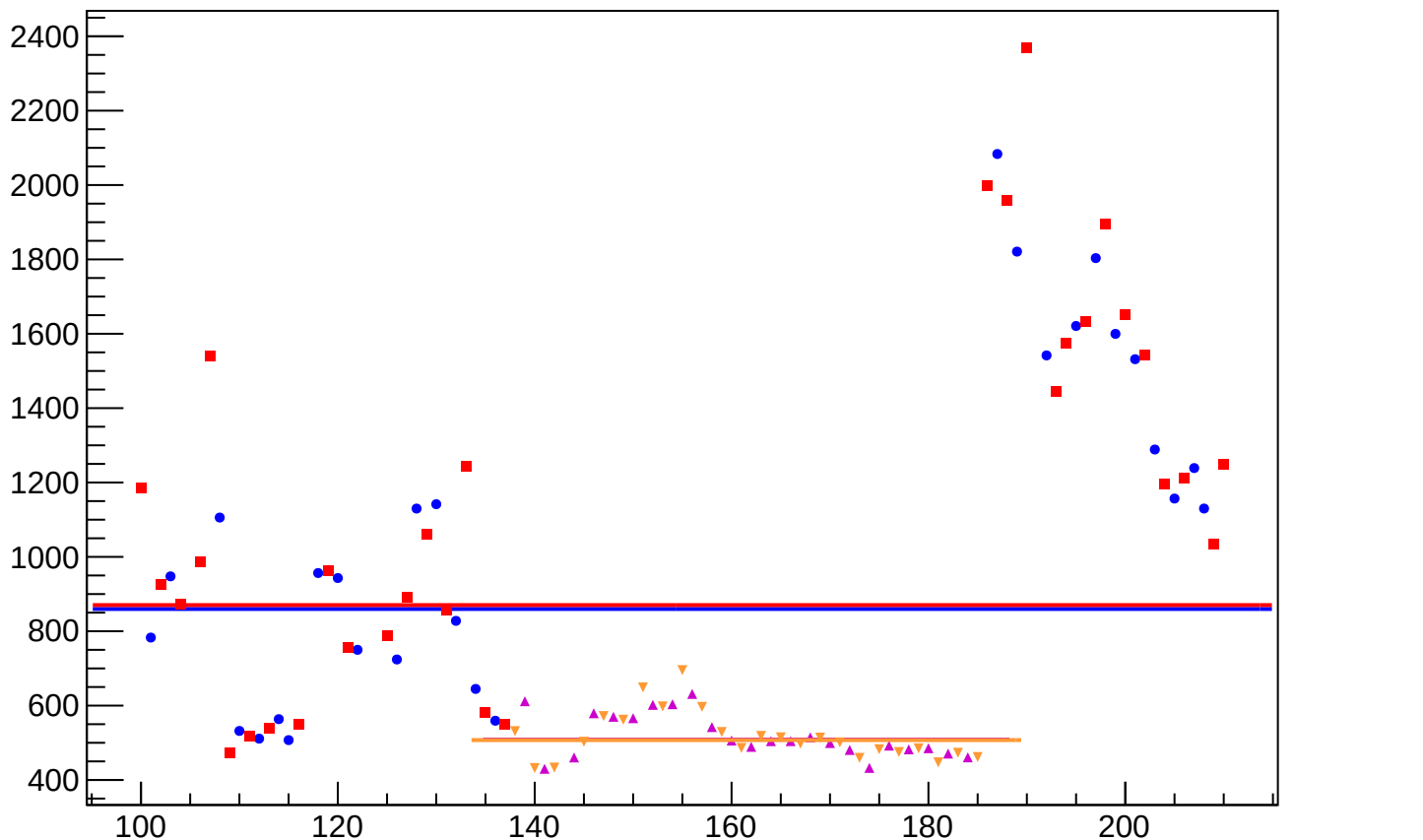
Left In: -99.985 $\pm$ 119.677 χ^2 /NDF:27.4/22

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

All: -364.003 $\pm$ 74.964 χ^2 /NDF: 158.2/104

- sign -231.516 $\pm$ 105.992 χ^2 /NDF: 55.9/53

asym_us_dd_dit_correction_rms vs Slug



Right In: 859.862 $\pm$ 0.166 χ^2 /NDF: 4684466.7/26

Left Out: 507.319 $\pm$ 0.084 χ^2 /NDF: 473982.3/23

Right Out: 870.334 $\pm$ 0.161 χ^2 /NDF: 6103675.2/30

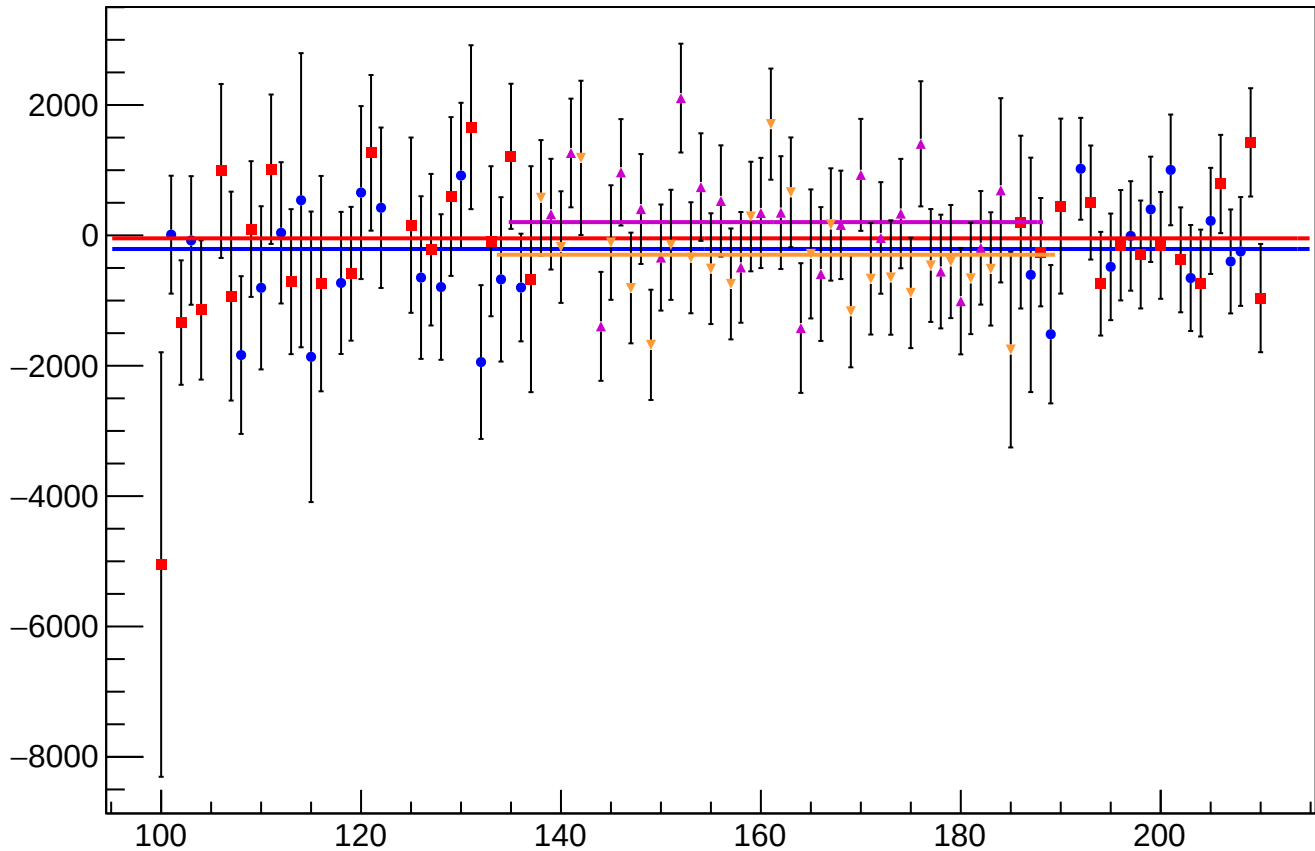
Left In: 508.638 $\pm$ 0.085 χ^2 /NDF: 432447.1/22

+ sign 579.020 $\pm$ 0.075 χ^2 /NDF: 8740182.7/50

All: 582.824 $\pm$ 0.053 χ^2 /NDF: 19220313.4/10

- sign 586.624 $\pm$ 0.075 χ^2 /NDF: 10474985.3/53

eigen_dit_asym_us_dd_mean vs Slug



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

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

Right Out: -45.509 ± 184.049 χ^2/NDF : 20.6/30

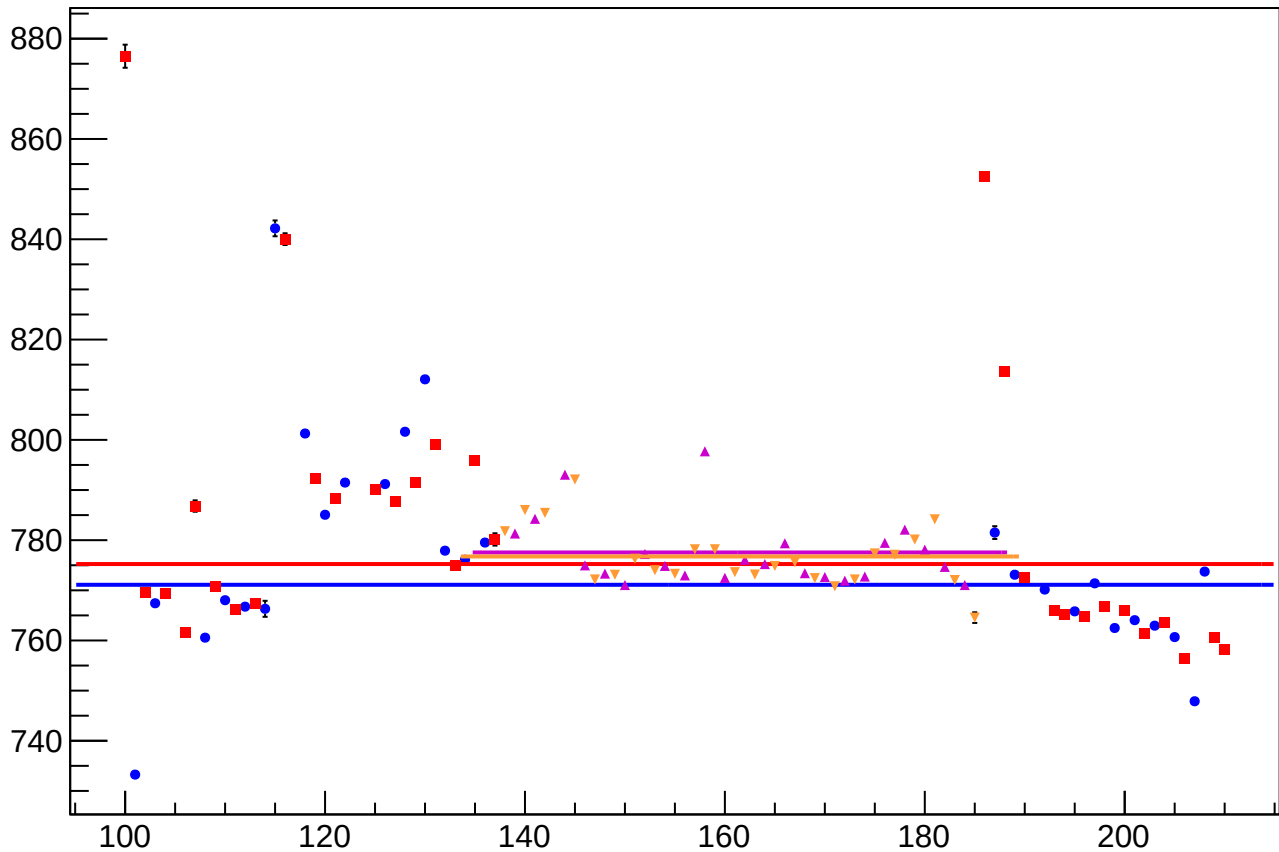
Left In: 203.338 ± 181.548 χ^2/NDF : 22.1/22

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

All: -84.166 ± 92.339 χ^2/NDF : 79.2/104

- sign 80.617 ± 129.249 χ^2/NDF : 43.6/53

eigen_dit_asym_us_dd_rms vs Slug



Right In: 771.105 ± 0.137 $\chi^2/\text{NDF}: 15858.7/26$

Left Out: 776.751 ± 0.127 $\chi^2/\text{NDF}: 1826.3/23$

Right Out: 775.241 ± 0.130 $\chi^2/\text{NDF}: 24870.7/30$

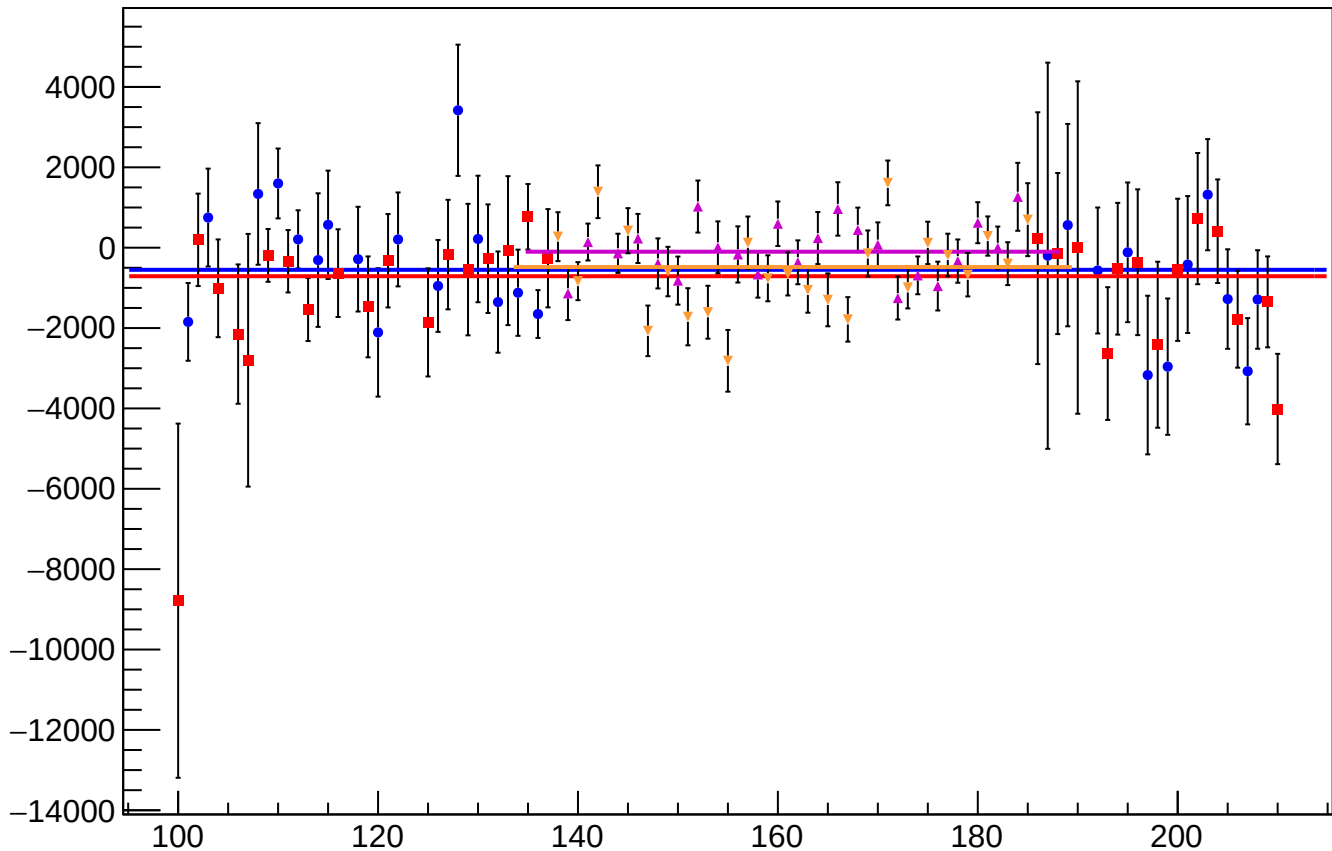
Left In: 777.550 ± 0.128 $\chi^2/\text{NDF}: 2750.7/22$

+ sign 774.130 ± 0.093 $\chi^2/\text{NDF}: 18595.5/50$

All: 775.294 ± 0.065 $\chi^2/\text{NDF}: 46681.4/104$

- sign 776.411 ± 0.091 $\chi^2/\text{NDF}: 27781.0/53$

asym_us_dd_eigen_dit_correction_mean vs Slug



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

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

Right Out: -710.017 ± 228.264 χ^2/NDF : 22.9/30

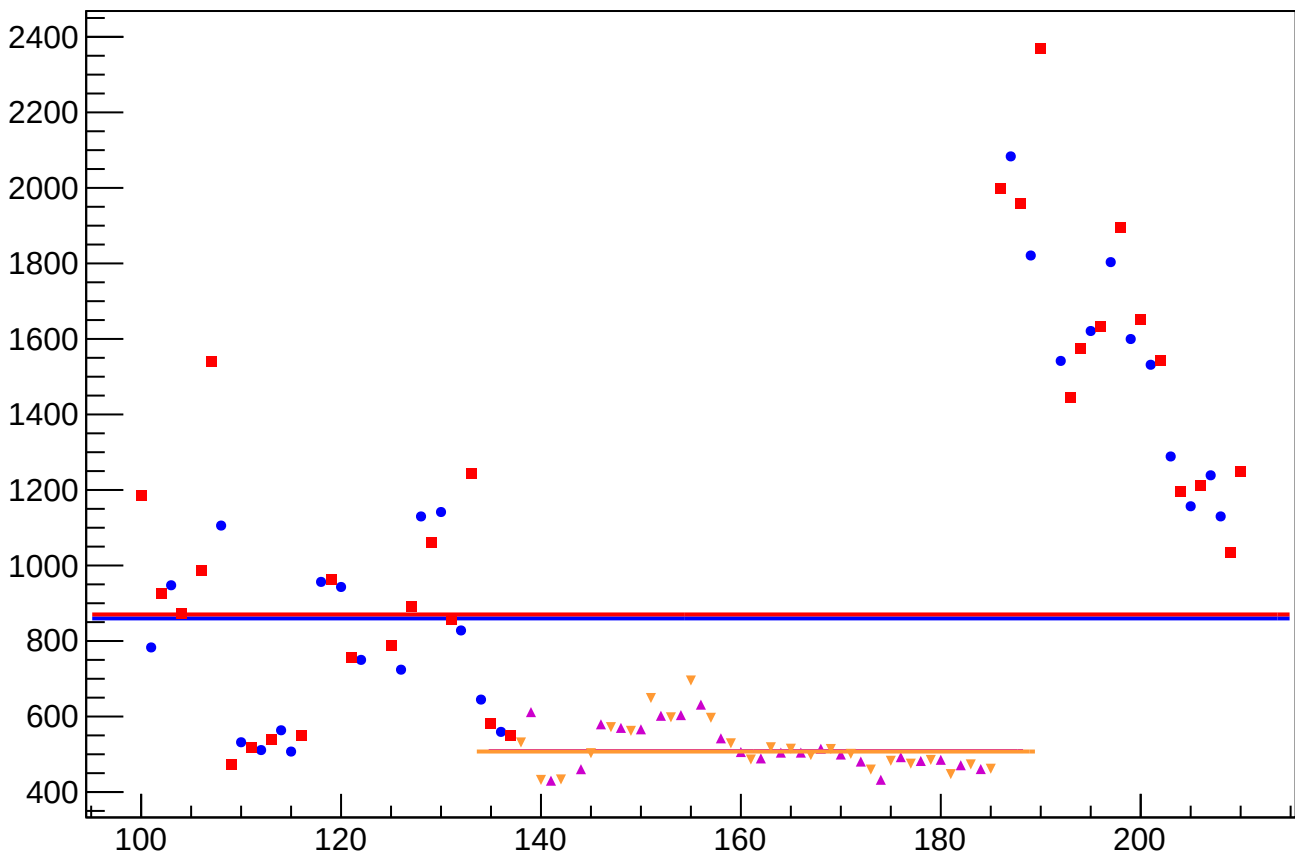
Left In: -99.985 ± 119.677 χ^2/NDF : 27.4/22

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

All: -364.002 ± 74.964 χ^2/NDF : 158.2/104

- sign -231.516 ± 105.992 χ^2/NDF : 55.9/53

asym_us_dd_eigen_dit_correction_rms vs Slug



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

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

Right Out: 870.331+/-0.161 χ^2/NDF : 6103739.6/30

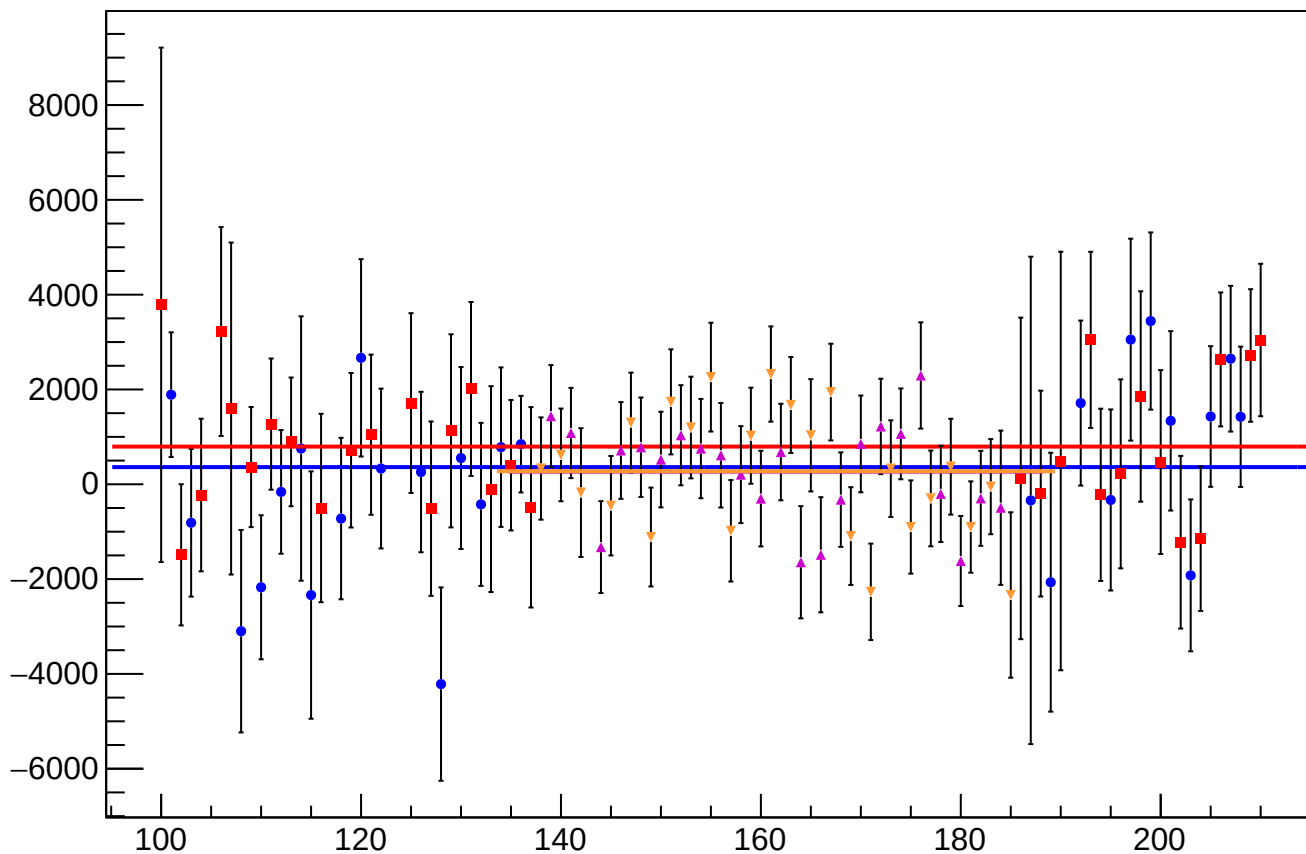
Left In: 508.638+/-0.085 χ^2/NDF : 432461.7/22

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

All: 582.823+/-0.053 χ^2/NDF : 19220342.9/10

- sign 586.624+/-0.075 χ^2/NDF : 10475007.2/53

asym_us_dd_mean vs Slug



Right In: 362.347 $\pm$ 329.029 χ^2 /NDF: 27.2/26

Left Out: 275.181 $\pm$ 216.290 χ^2 /NDF: 33.6/23

Right Out: 795.028 $\pm$ 321.089 χ^2 /NDF: 17.6/30

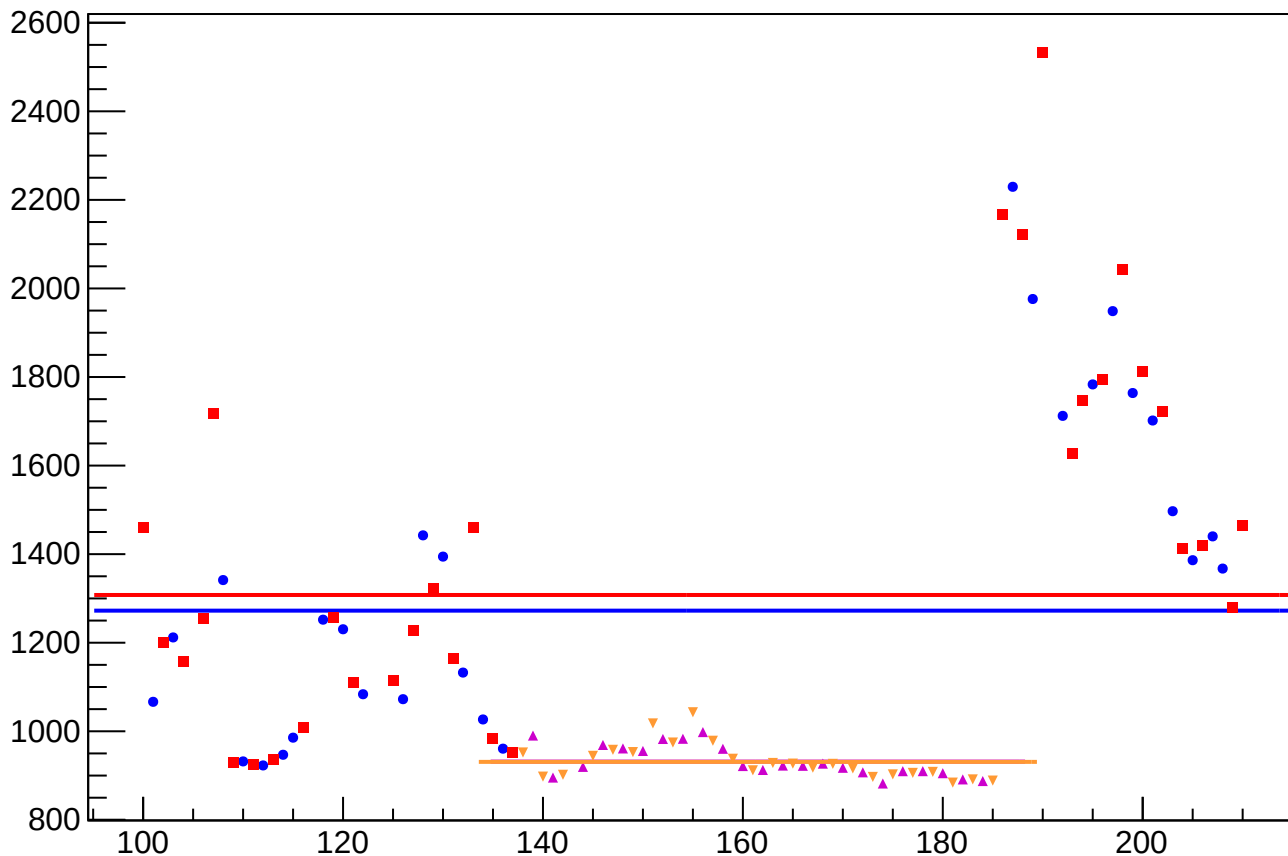
Left In: 267.059 $\pm$ 217.685 χ^2 /NDF: 21.4/22

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

All: 367.601 $\pm$ 127.603 χ^2 /NDF: 101.9/104

- sign 433.313 $\pm$ 180.180 χ^2 /NDF: 40.8/53

asym_us_dd_rms vs Slug



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

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

Right Out: 1307.805+/-0.227 χ^2/NDF : 2188532.0/30

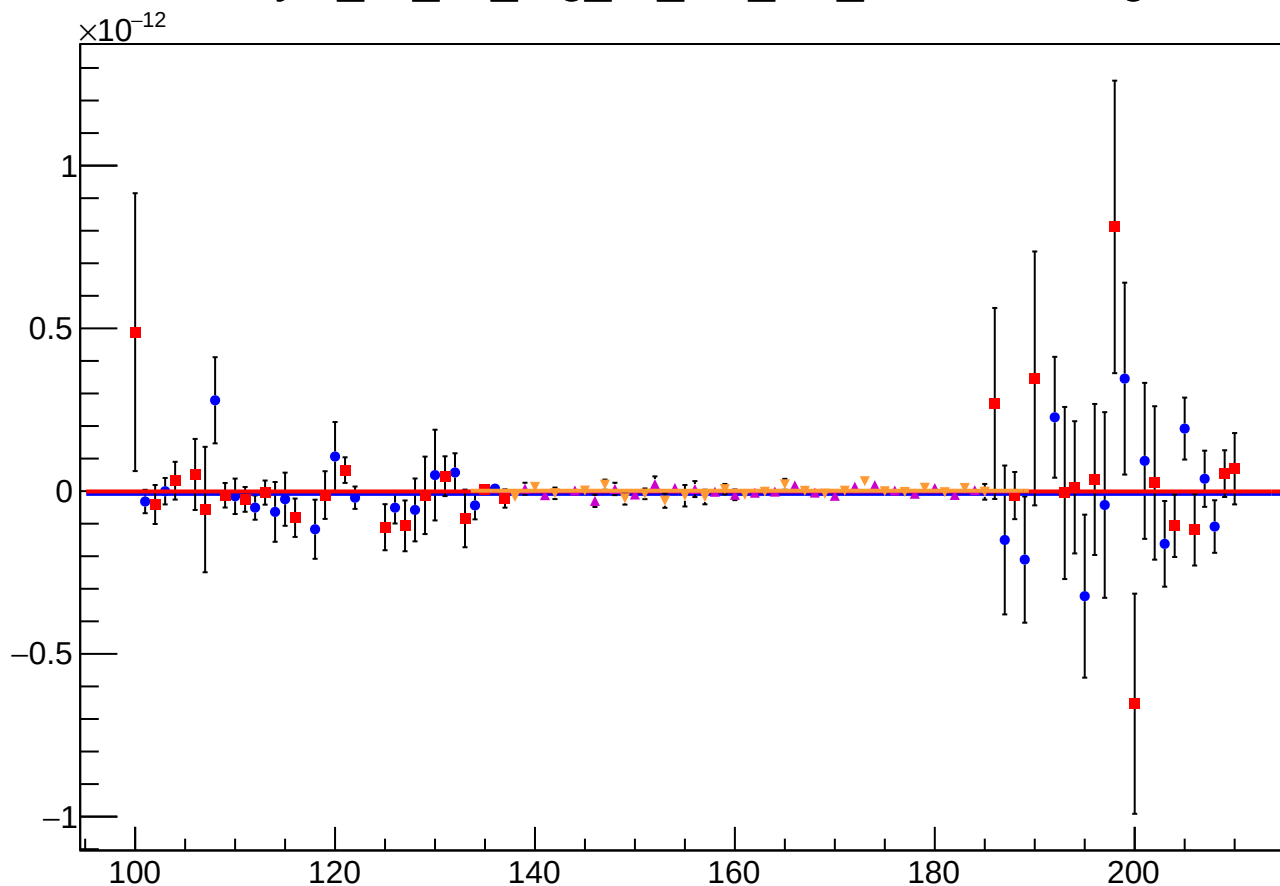
Left In: 931.562+/-0.154 χ^2/NDF : 48916.1/22

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

All: 1042.028+/-0.090 χ^2/NDF : 7361175.6/100

- sign 1050.039+/-0.127 χ^2/NDF : 4118818.2/53

asym_us_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.7/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 26.3/30

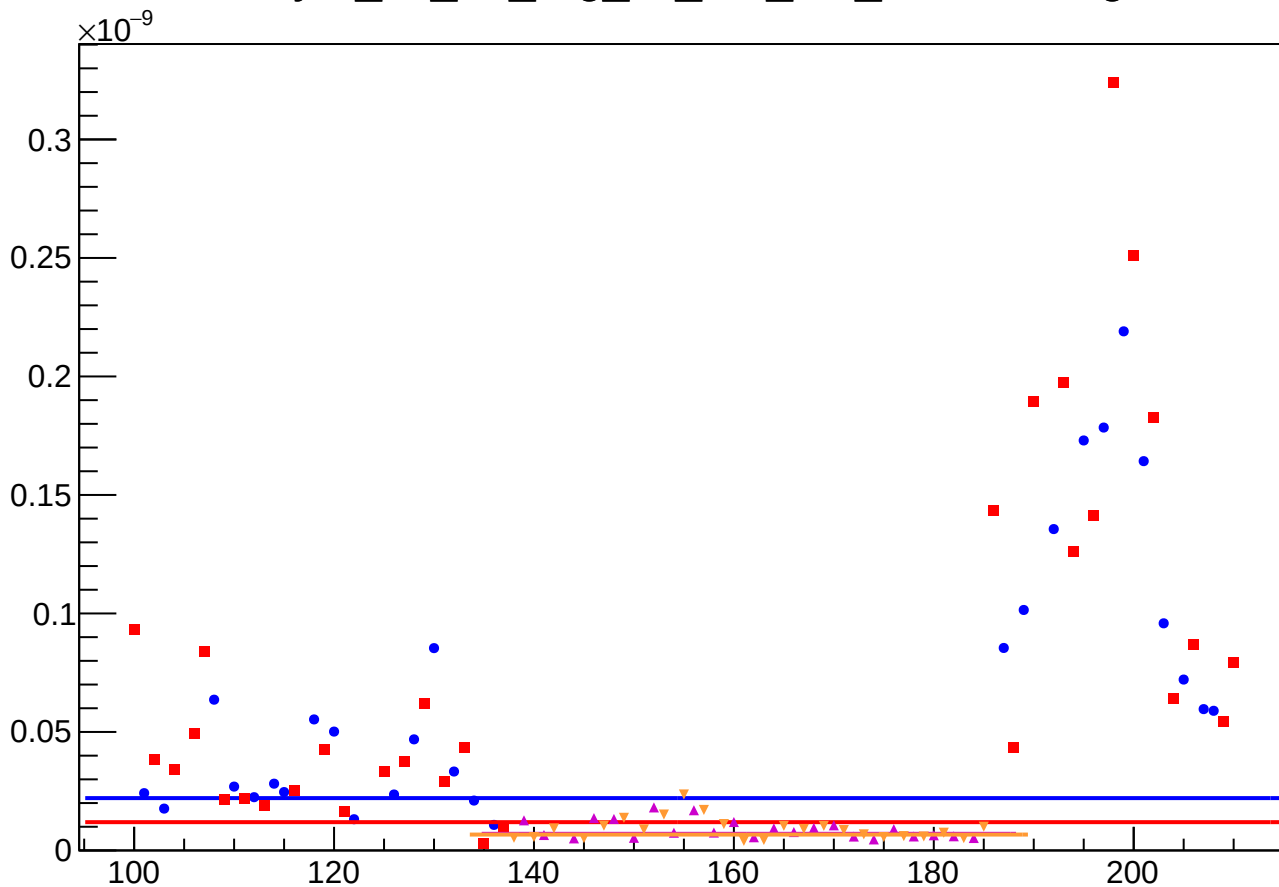
Left In: 0.000 ± 0.000 χ^2/NDF : 22.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 54.3/50

All: 0.000 ± 0.000 χ^2/NDF : 102.9/104

- sign 0.000 ± 0.000 χ^2/NDF : 48.5/53

asym_us_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8653105.8/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2928195.0/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 14827015.2/30

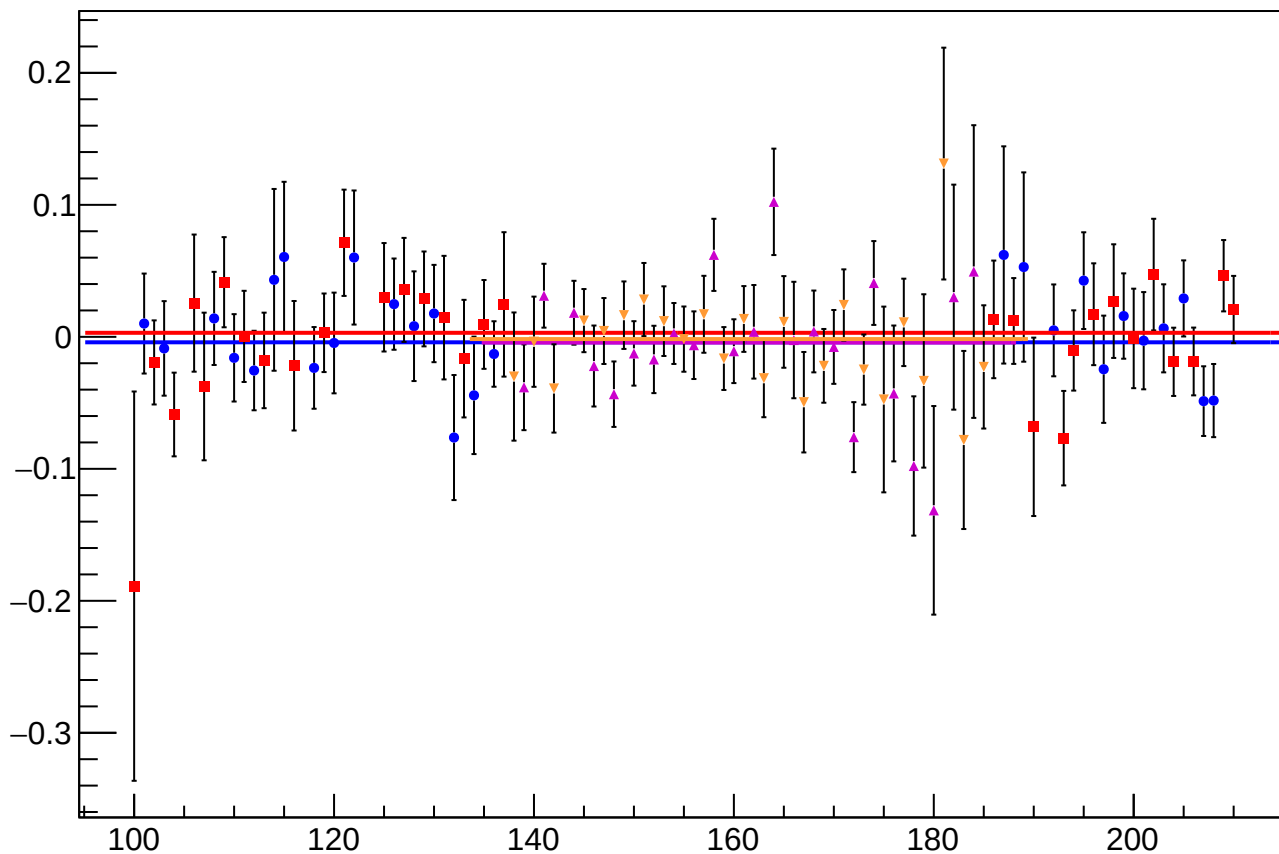
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2443418.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 16138304.1/50

All: 0.000 $\pm$ 0.000 χ^2/NDF : 34264323.6/104

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 18125672.7/53

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

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

Right Out: 0.003 ± 0.007 χ^2/NDF : 25.9/30

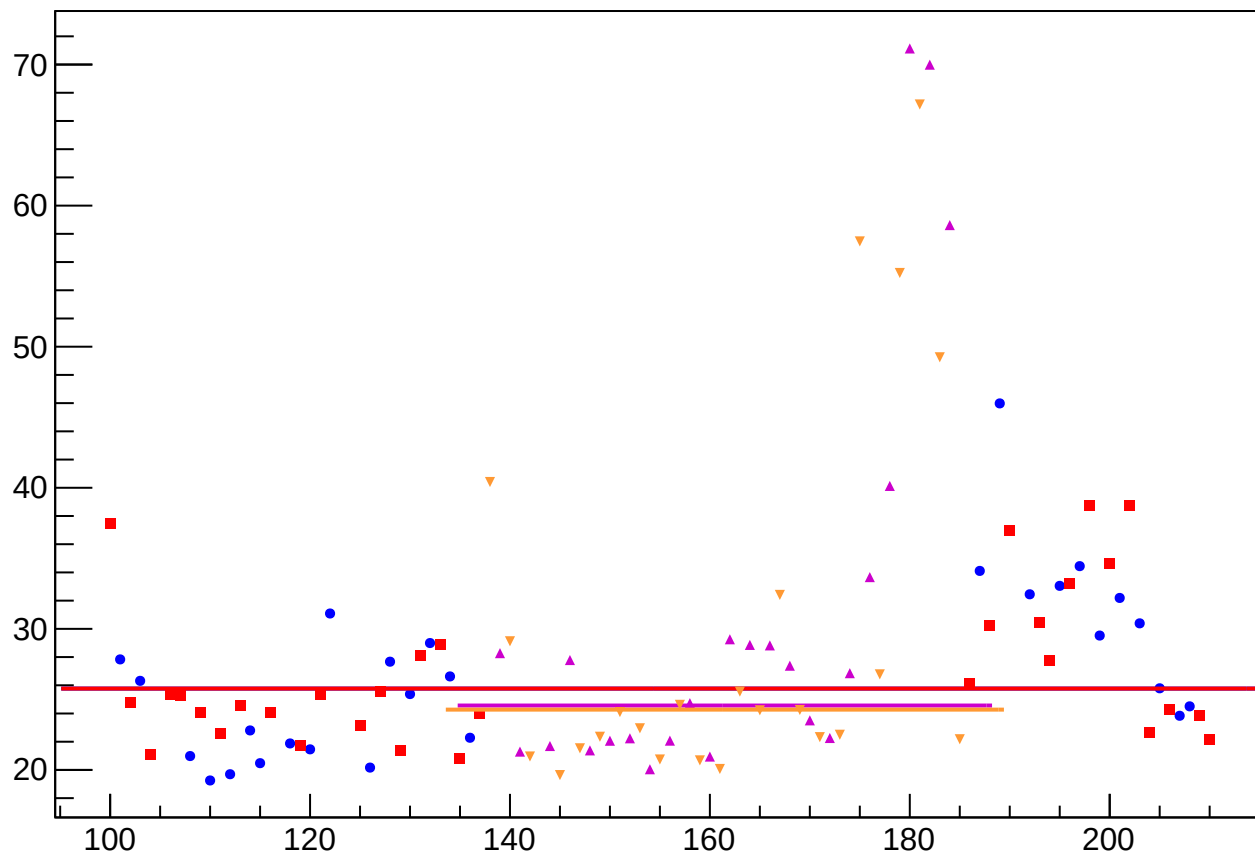
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

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

All: -0.002 ± 0.003 χ^2/NDF : 97.5/104

- sign -0.001 ± 0.005 χ^2/NDF : 63.1/53

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.766 $\pm$ 0.005 χ^2/NDF : 972936.0/26

Left Out: 24.275 $\pm$ 0.004 χ^2/NDF : 2310679.0/23

Right Out: 25.767 $\pm$ 0.005 χ^2/NDF : 997356.9/30

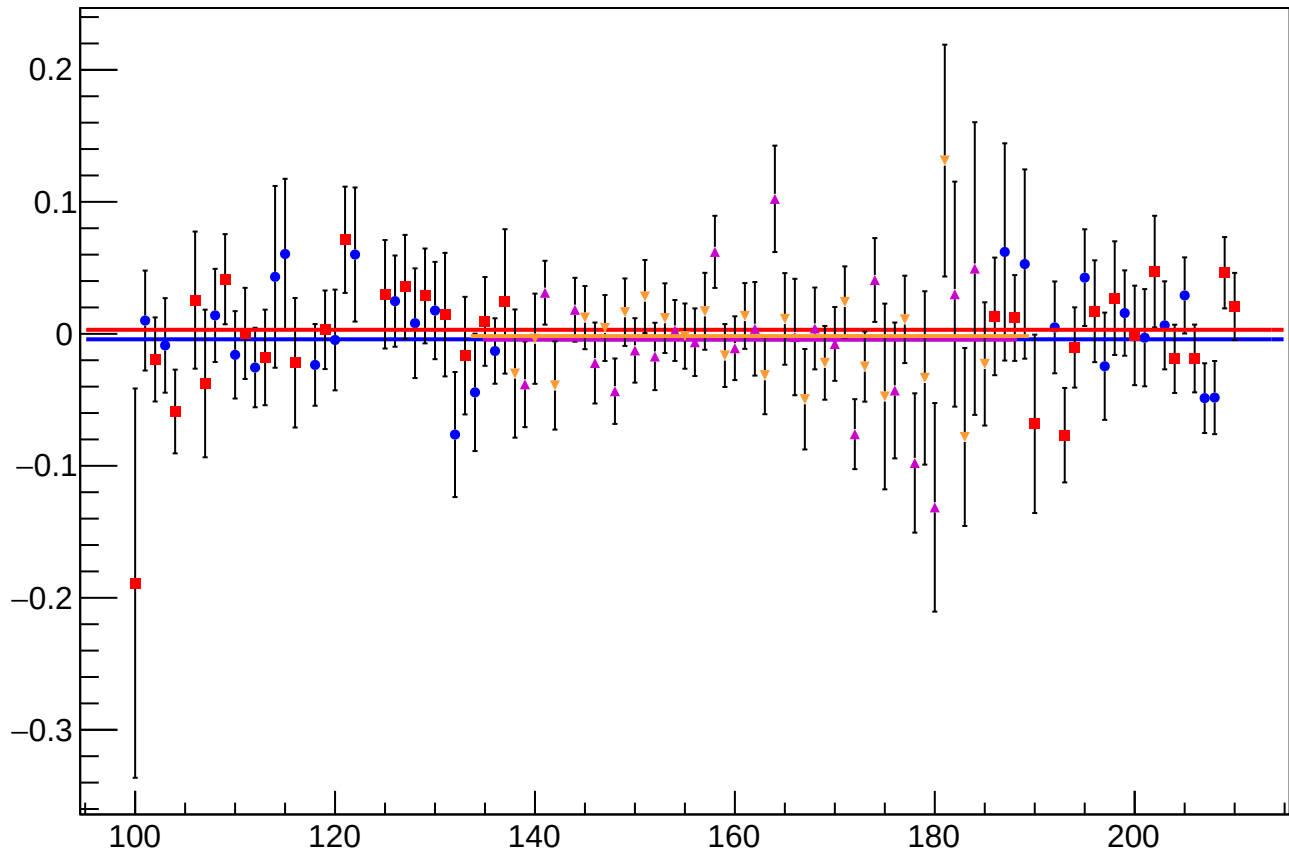
Left In: 24.565 $\pm$ 0.005 χ^2/NDF : 2132914.4/22

+ sign 24.952 $\pm$ 0.003 χ^2/NDF : 3333881.1/50

All: 25.055 $\pm$ 0.002 χ^2/NDF : 6500647.0/104

- sign 25.153 $\pm$ 0.003 χ^2/NDF : 3164887.4/53

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

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

Right Out: 0.003 ± 0.007 χ^2/NDF : 25.9/30

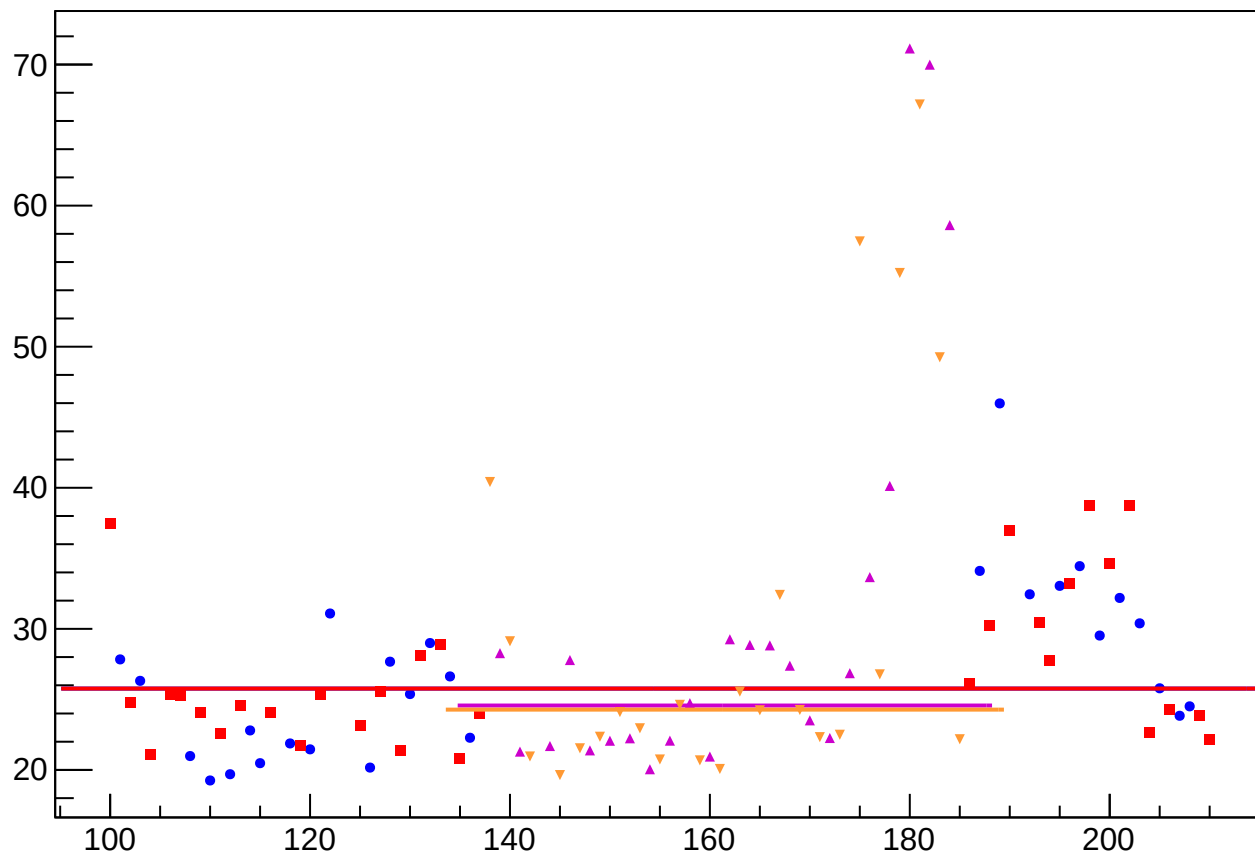
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

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

All: -0.002 ± 0.003 χ^2/NDF : 97.5/104

- sign -0.001 ± 0.005 χ^2/NDF : 63.1/53

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.766 $\pm$ 0.005 χ^2 /NDF: 972936.0/26

Left Out: 24.275 $\pm$ 0.004 χ^2 /NDF: 2310679.0/23

Right Out: 25.767 $\pm$ 0.005 χ^2 /NDF: 997356.9/30

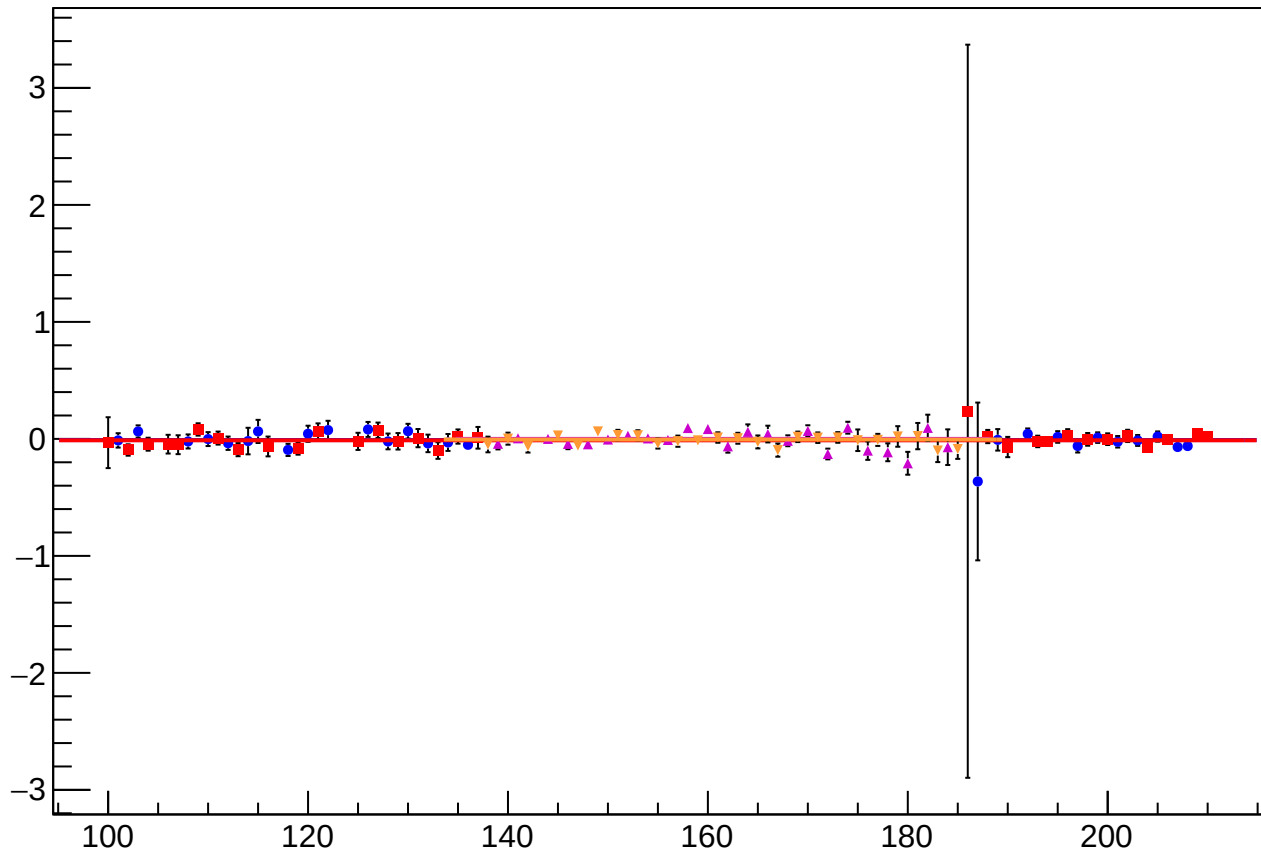
Left In: 24.565 $\pm$ 0.005 χ^2 /NDF: 2132914.4/22

+ sign 24.952 $\pm$ 0.003 χ^2 /NDF: 3333881.1/50

All: 25.055 $\pm$ 0.002 χ^2 /NDF: 6500647.0/104

- sign 25.153 $\pm$ 0.003 χ^2 /NDF: 3164887.4/53

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



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

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

Right Out: -0.012 ± 0.010 χ^2/NDF : 23.0/30

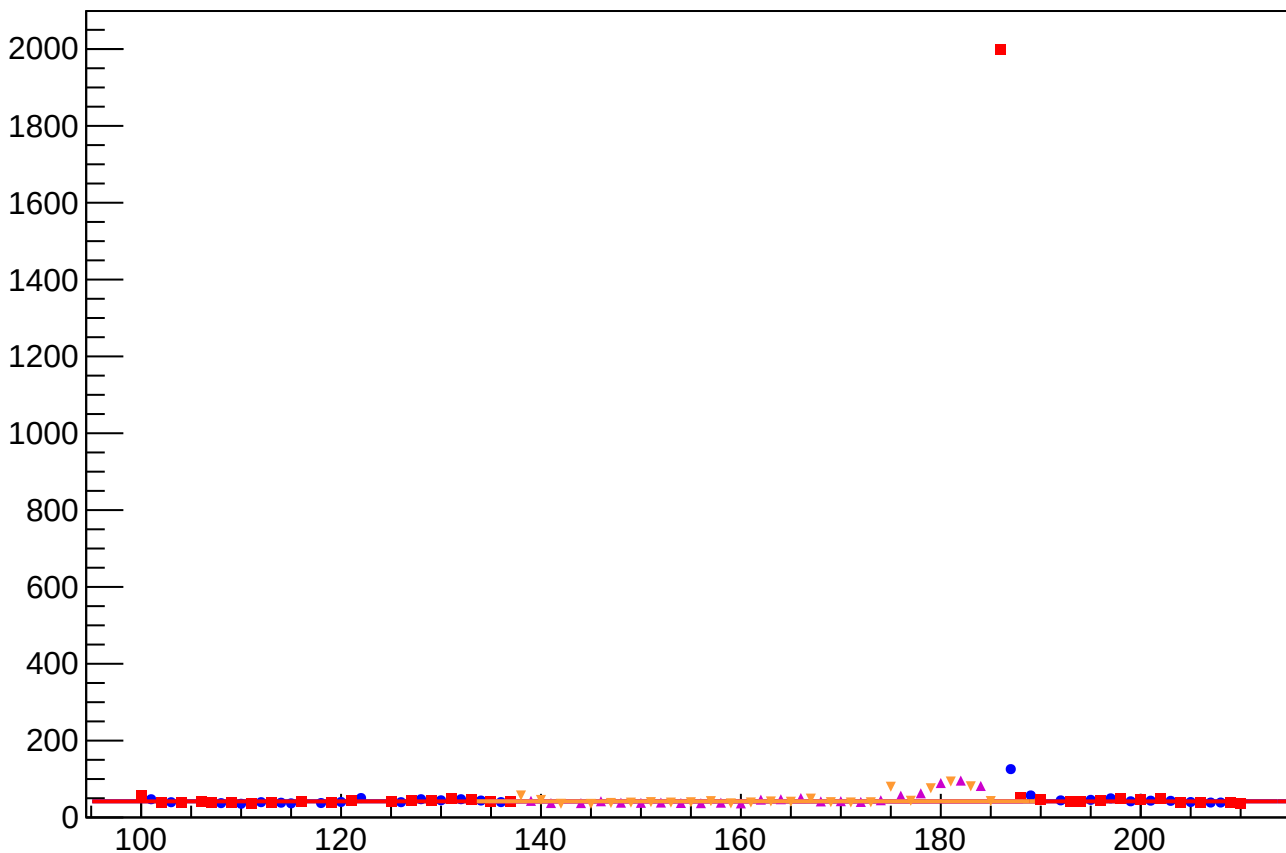
Left In: -0.000 ± 0.010 χ^2/NDF : 37.9/22

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

All: -0.007 ± 0.005 χ^2/NDF : 94.2/104

- sign -0.006 ± 0.007 χ^2/NDF : 61.5/53

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.105 $\pm$ 0.008 χ^2 /NDF: 311895.2/26

Left Out: 42.088 $\pm$ 0.007 χ^2 /NDF: 1716047.0/23

Right Out: 41.857 $\pm$ 0.007 χ^2 /NDF: 1105113.9/30

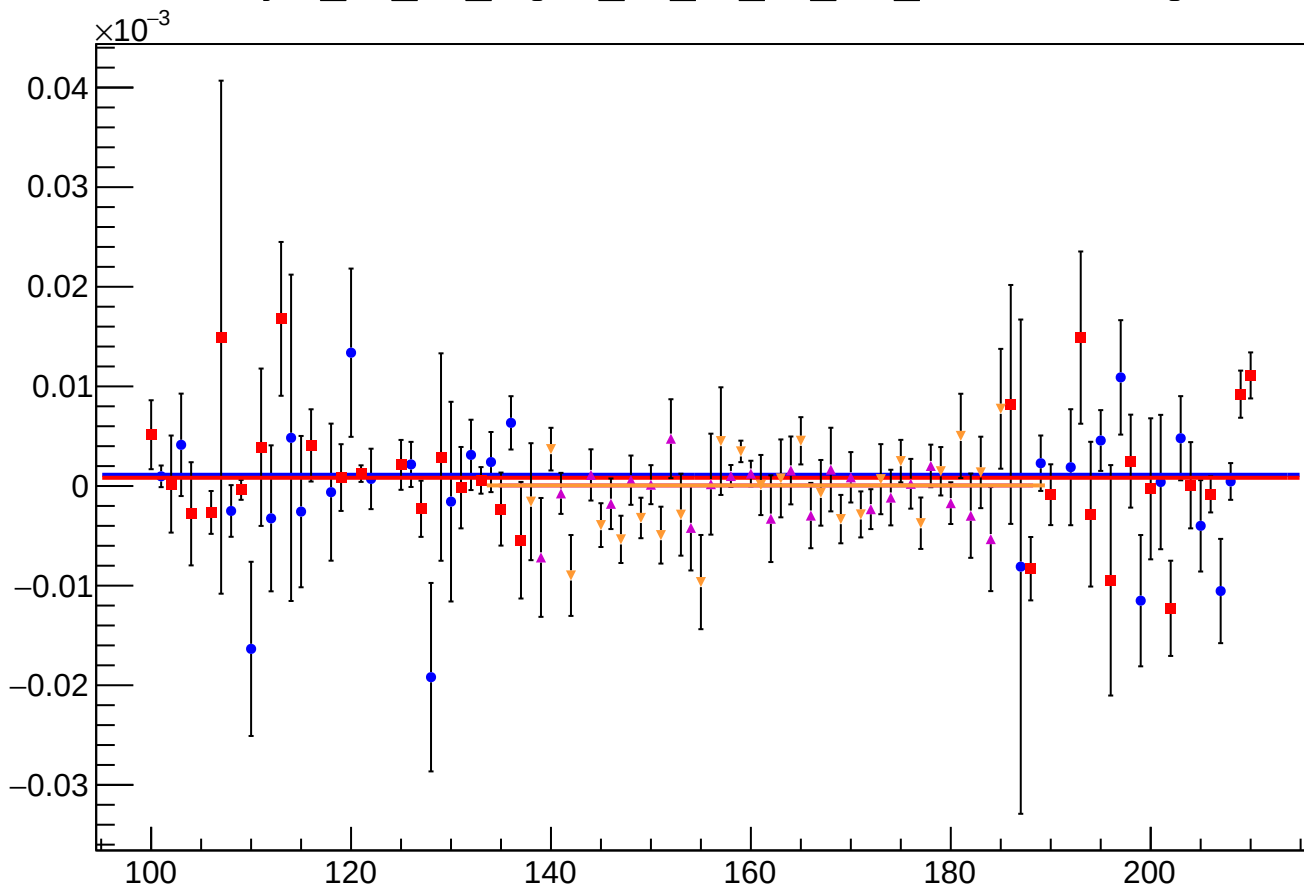
Left In: 42.078 $\pm$ 0.007 χ^2 /NDF: 1543505.8/22

+ sign 42.096 $\pm$ 0.005 χ^2 /NDF: 2027944.7/50

All: 42.030 $\pm$ 0.004 χ^2 /NDF: 4677318.0/104

- sign 41.967 $\pm$ 0.005 χ^2 /NDF: 2649071.1/53

asym_us_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.6/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:51.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 69.0/30

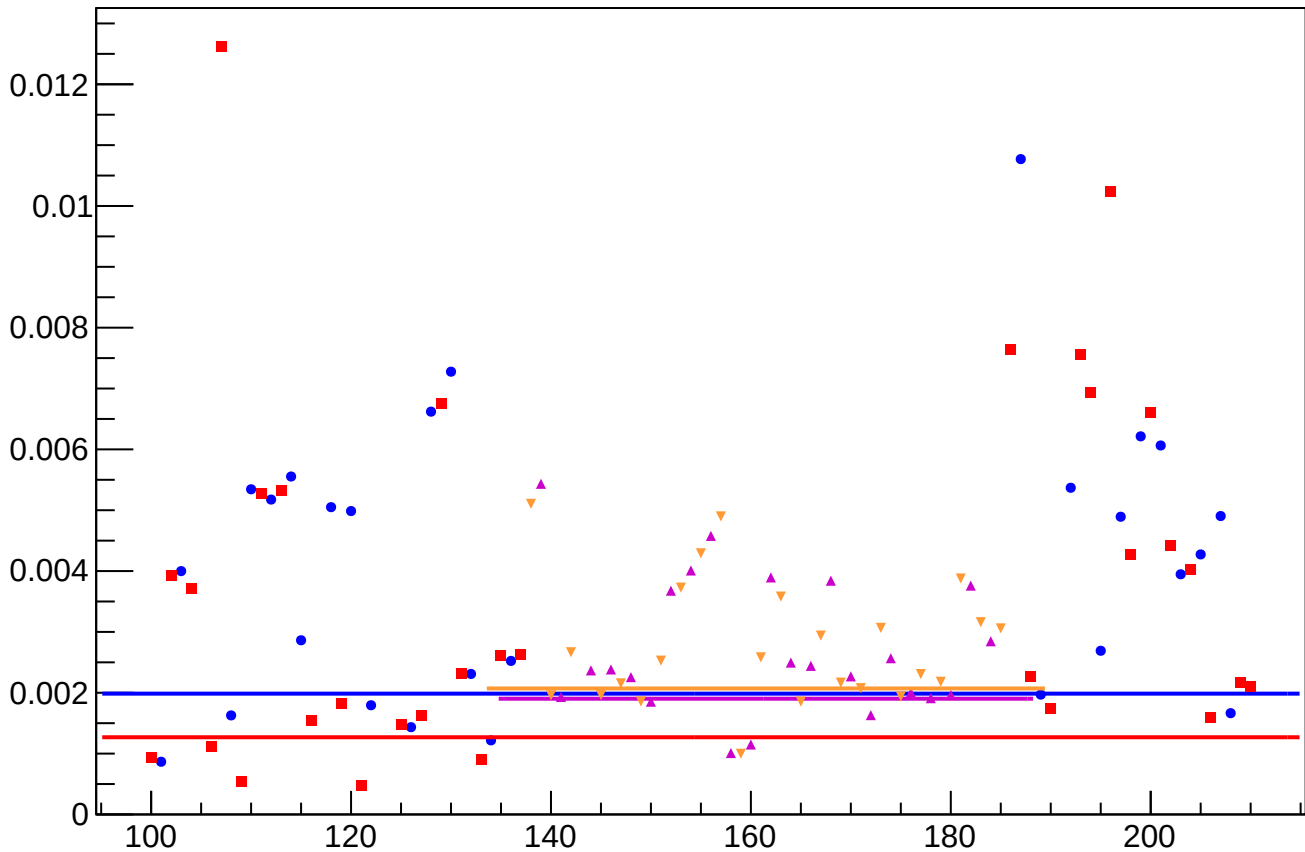
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 87.0/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 170.3/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 83.3/53

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

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

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

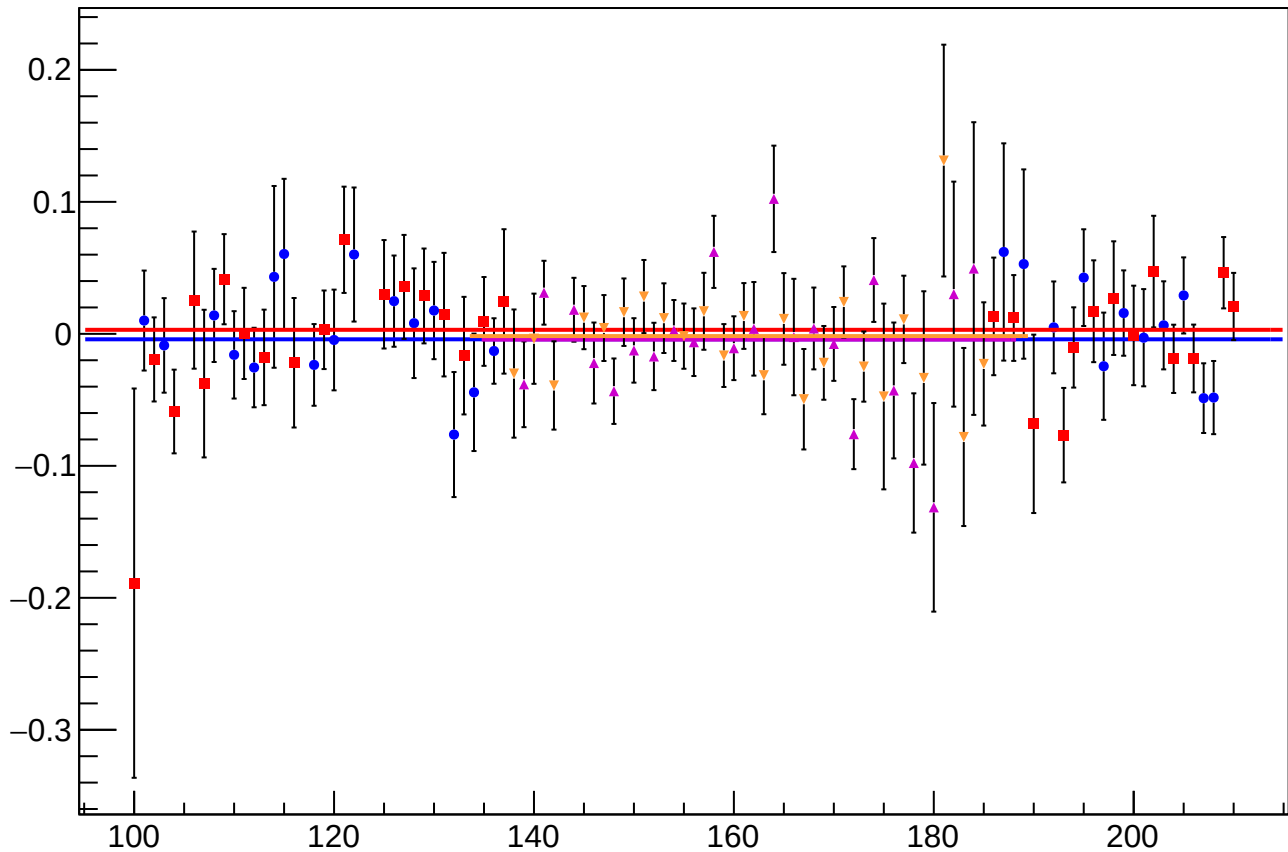
Right Out: 0.001+/-0.000 χ^2/NDF : 15292759.2/30

All: 0.002+/-0.000 χ^2/NDF : 40107619.4/104

- sign 0.002+/-0.000 χ^2/NDF : 23059930.5/53

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

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

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

Right Out: 0.003 ± 0.007 χ^2/NDF : 25.9/30

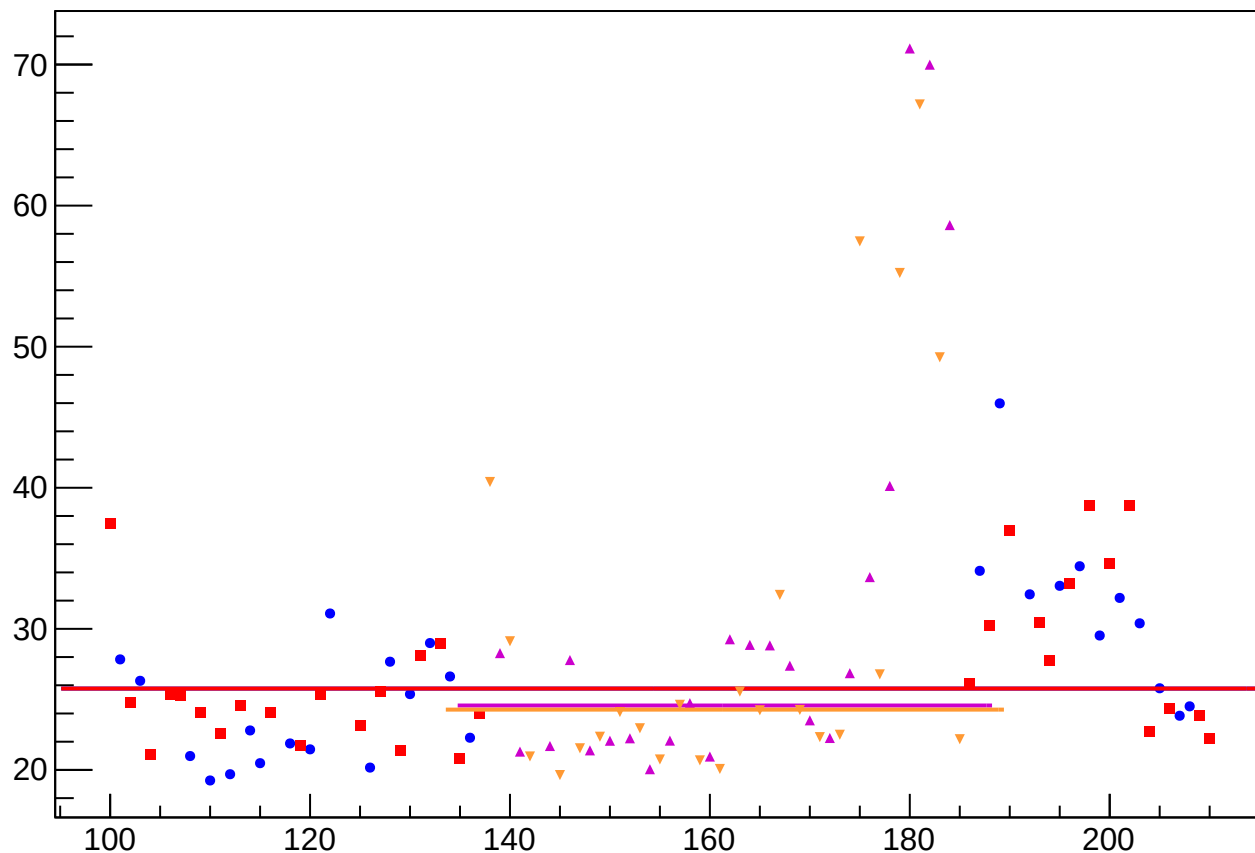
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

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

All: -0.002 ± 0.003 χ^2/NDF : 97.5/104

- sign -0.001 ± 0.005 χ^2/NDF : 63.1/53

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.766 $\pm$ 0.005 χ^2 /NDF: 972910.6/26

Left Out: 24.275 $\pm$ 0.004 χ^2 /NDF: 2310684.7/23

Right Out: 25.767 $\pm$ 0.005 χ^2 /NDF: 997277.0/30

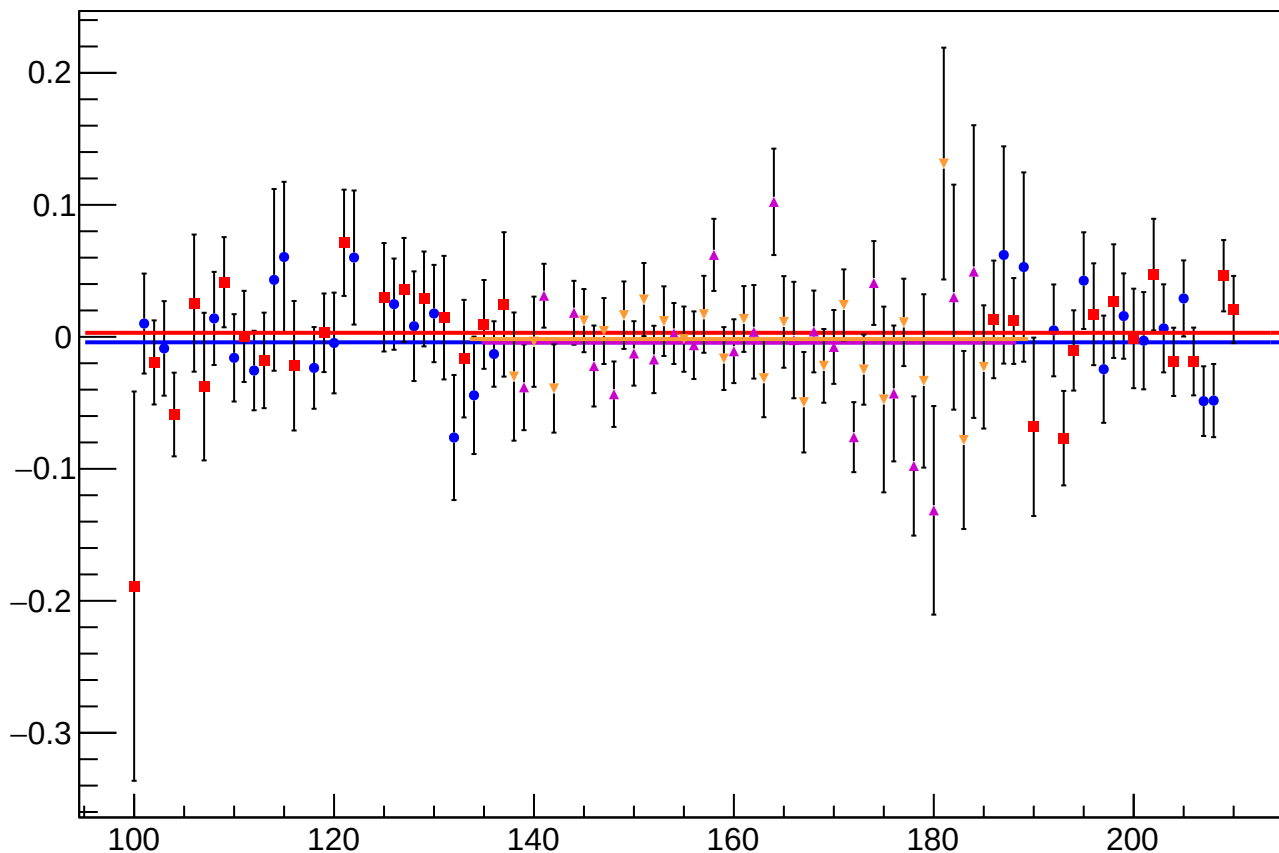
Left In: 24.565 $\pm$ 0.005 χ^2 /NDF: 2132779.0/22

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

All: 25.055 $\pm$ 0.002 χ^2 /NDF: 6500390.1/104

- sign 25.153 $\pm$ 0.003 χ^2 /NDF: 3164669.4/53

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

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

Right Out: 0.003 ± 0.007 χ^2/NDF : 25.9/30

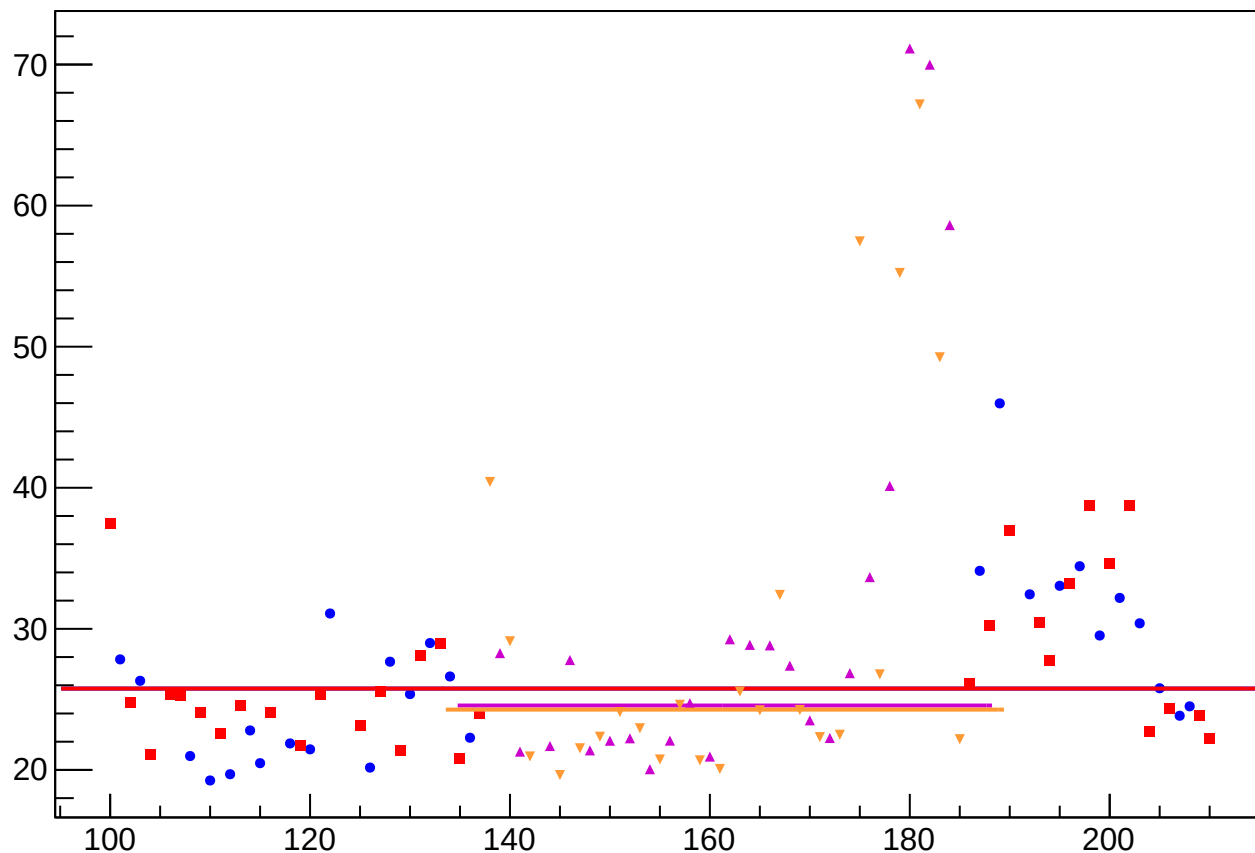
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

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

All: -0.002 ± 0.003 χ^2/NDF : 97.5/104

- sign -0.001 ± 0.005 χ^2/NDF : 63.1/53

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.766 $\pm$ 0.005 χ^2 /NDF: 972910.6/26

Left Out: 24.275 $\pm$ 0.004 χ^2 /NDF:2310684.7/23

Right Out: 25.767 $\pm$ 0.005 χ^2 /NDF: 997277.0/30

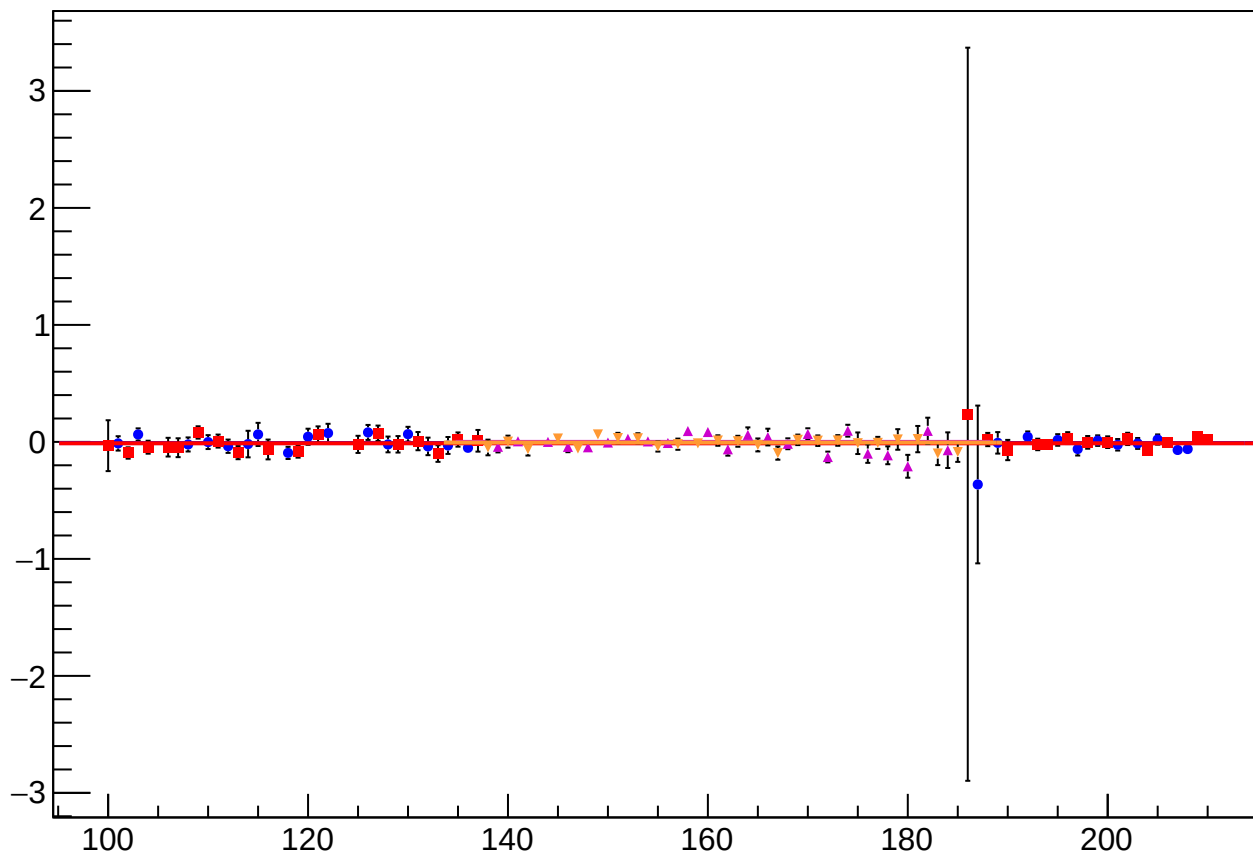
Left In: 24.565 $\pm$ 0.005 χ^2 /NDF:2132779.0/22

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

All: 25.055 $\pm$ 0.002 χ^2 /NDF: 6500390.1/104

- sign 25.153 $\pm$ 0.003 χ^2 /NDF: 3164669.4/53

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.010 $\pm$ 0.011 χ^2 /NDF: 18.7/26

Left Out: -0.005 $\pm$ 0.010 χ^2 /NDF:13.9/23

Right Out: -0.012 $\pm$ 0.010 χ^2 /NDF: 23.0/30

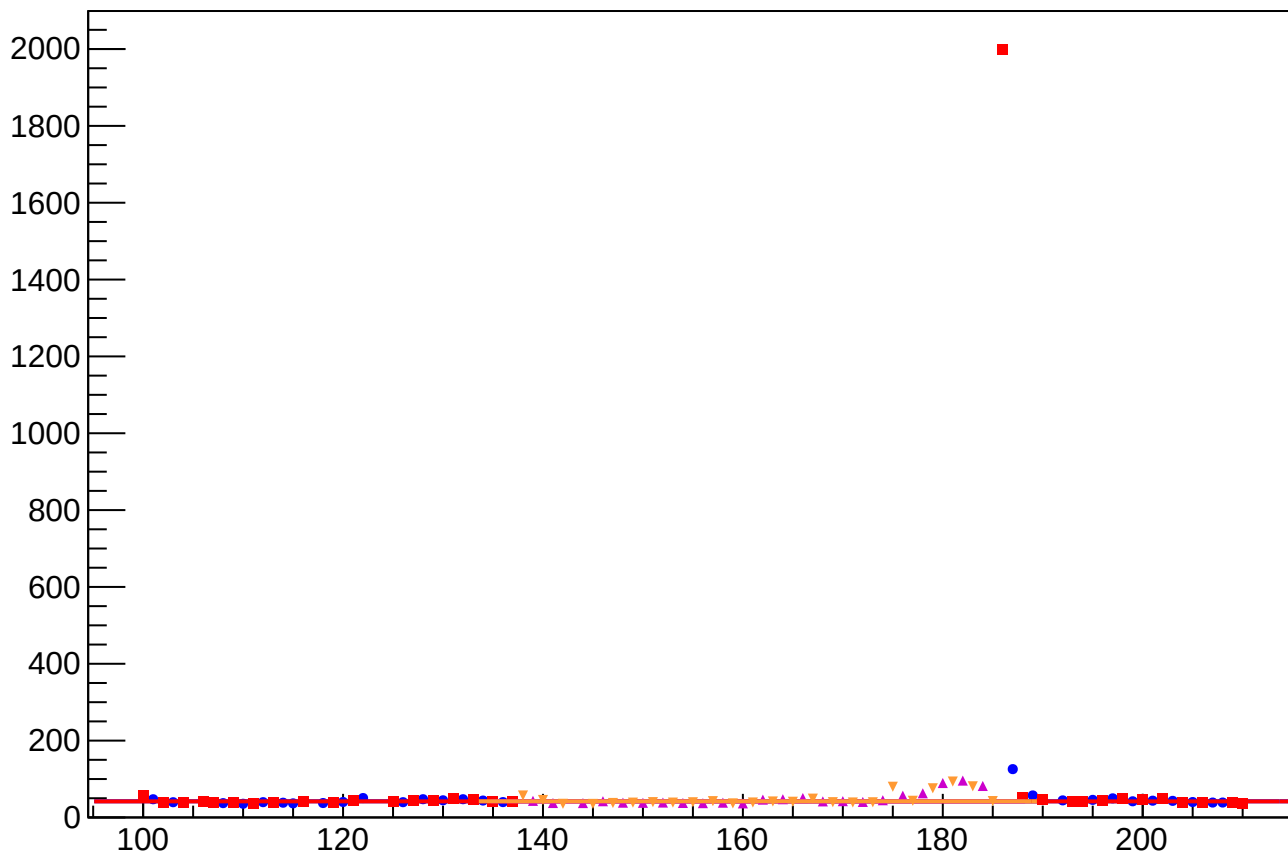
Left In: -0.000 $\pm$ 0.010 χ^2 /NDF:37.9/22

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

All: -0.007 $\pm$ 0.005 χ^2 /NDF: 94.2/104

- sign -0.006 $\pm$ 0.007 χ^2 /NDF: 61.5/53

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.105 $\pm$ 0.008 χ^2 /NDF: 311849.2/26

Left Out: 42.088 $\pm$ 0.007 χ^2 /NDF: 1716037.6/23

Right Out: 41.857 $\pm$ 0.007 χ^2 /NDF: 1105106.8/30

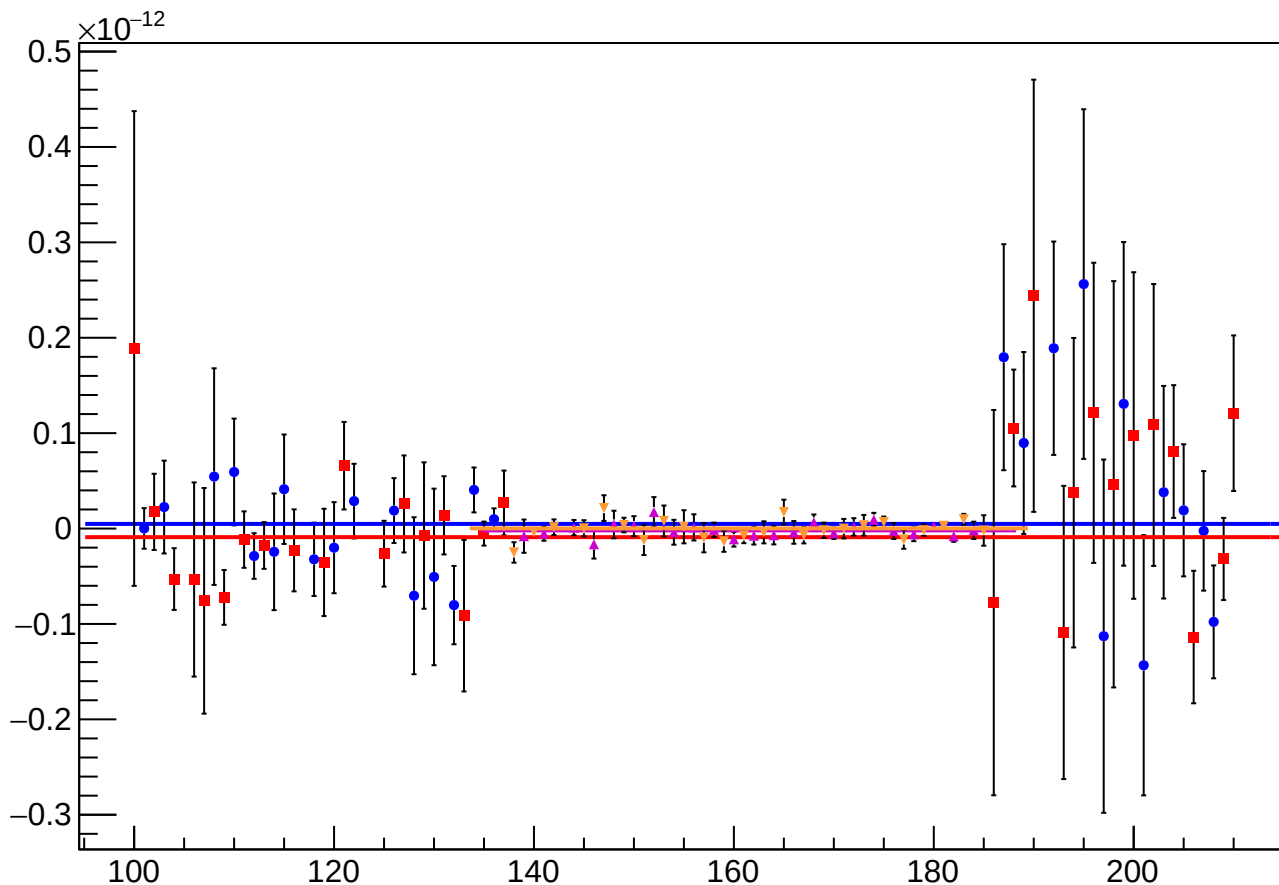
Left In: 42.078 $\pm$ 0.007 χ^2 /NDF: 1543481.3/22

+ sign 42.096 $\pm$ 0.005 χ^2 /NDF: 2027889.2/50

All: 42.030 $\pm$ 0.004 χ^2 /NDF: 4677231.2/104

- sign 41.967 $\pm$ 0.005 χ^2 /NDF: 2649040.1/53

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:21.2/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.6/30

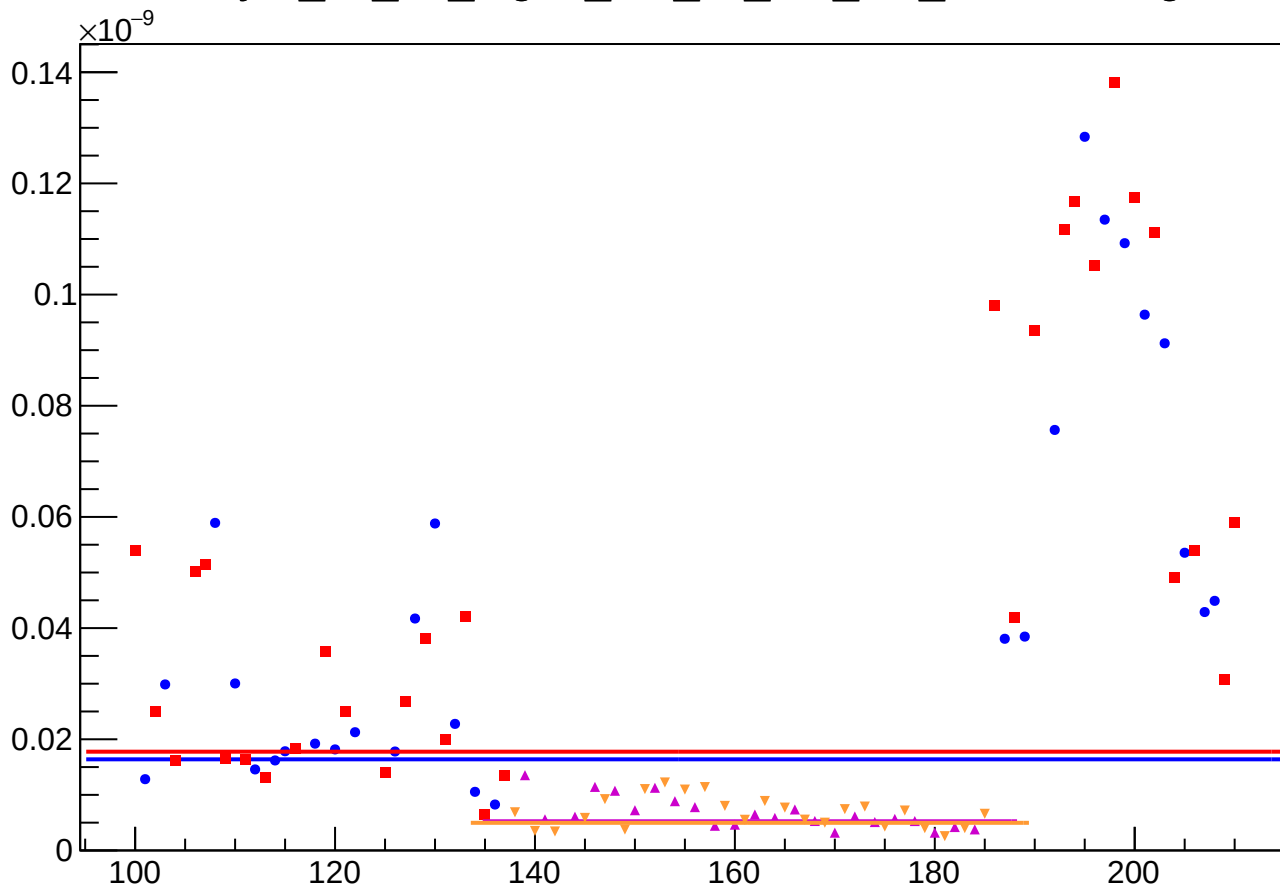
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:11.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 48.1/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 90.7/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 41.2/53

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 8093939.8/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 3536964.4/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 9604333.0/30

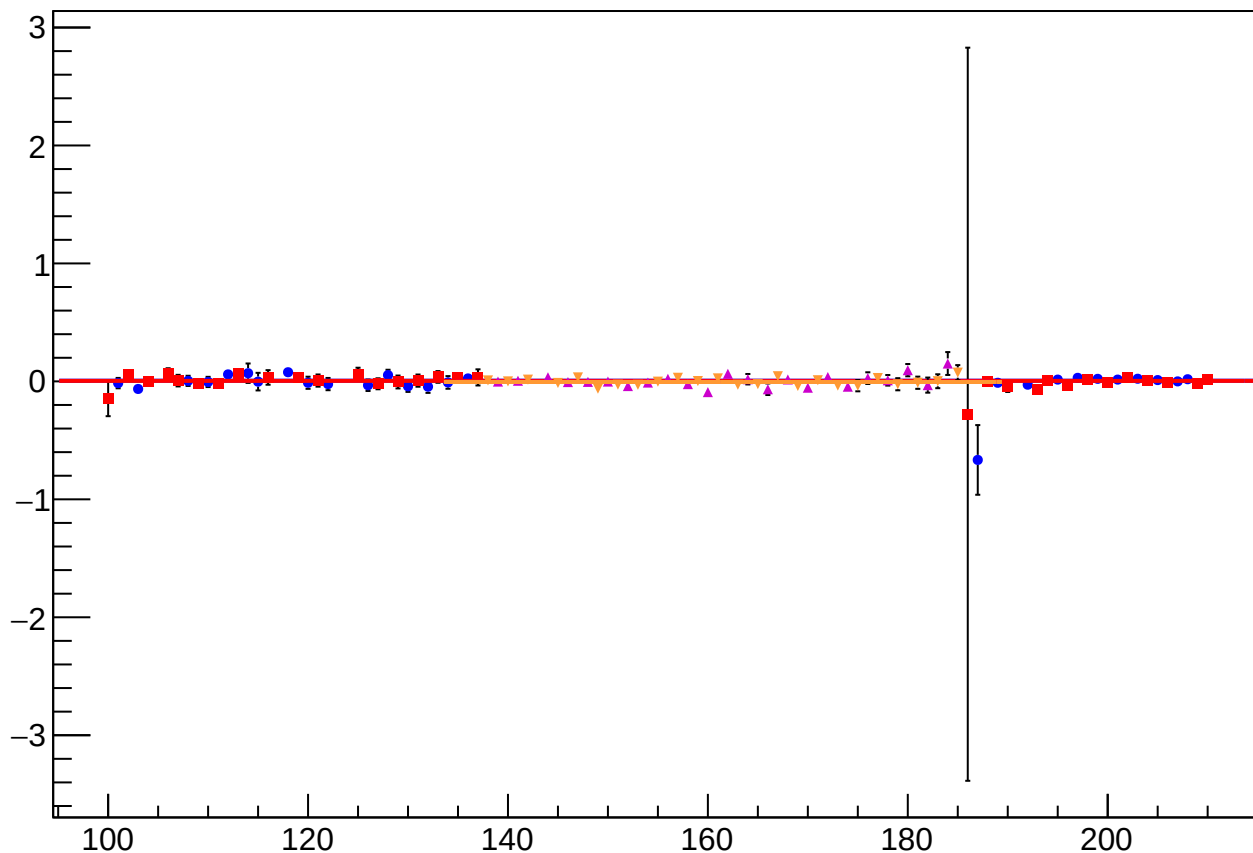
Left In: 0.000 ± 0.000 χ^2/NDF : 2618852.5/22

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

All: 0.000 ± 0.000 χ^2/NDF : 34129157.6/104

- sign 0.000 ± 0.000 χ^2/NDF : 17606726.7/53

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.007 χ^2 /NDF: 24.3/26

Left Out: -0.005 $\pm$ 0.007 χ^2 /NDF:16.7/23

Right Out: 0.004 $\pm$ 0.007 χ^2 /NDF: 23.5/30

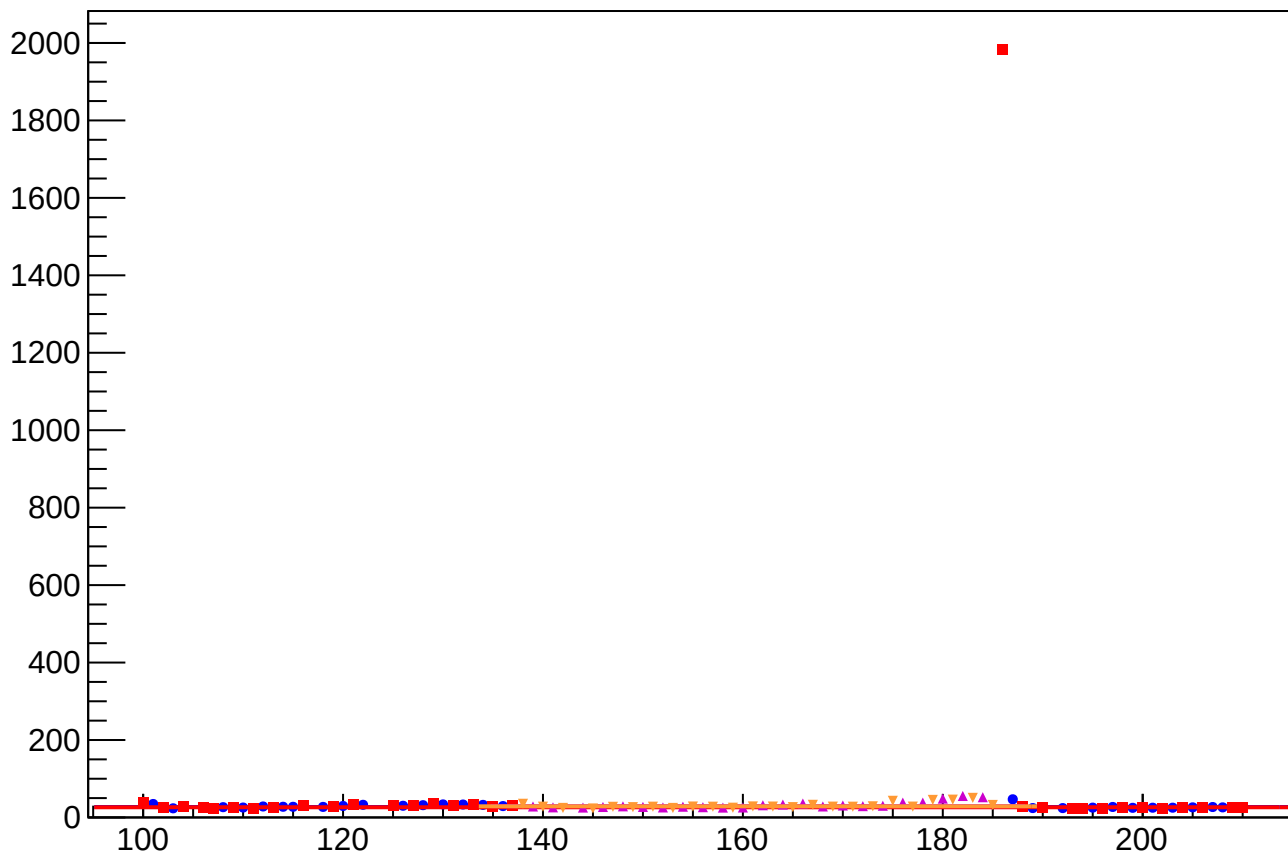
Left In: -0.004 $\pm$ 0.007 χ^2 /NDF:31.2/22

+ sign 0.000 $\pm$ 0.005 χ^2 /NDF: 42.3/50

All: 0.000 $\pm$ 0.003 χ^2 /NDF: 97.8/104

- sign 0.000 $\pm$ 0.005 χ^2 /NDF: 55.5/53

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



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

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

Right Out: 26.315+/-0.005 χ^2/NDF : 1109513.4/30

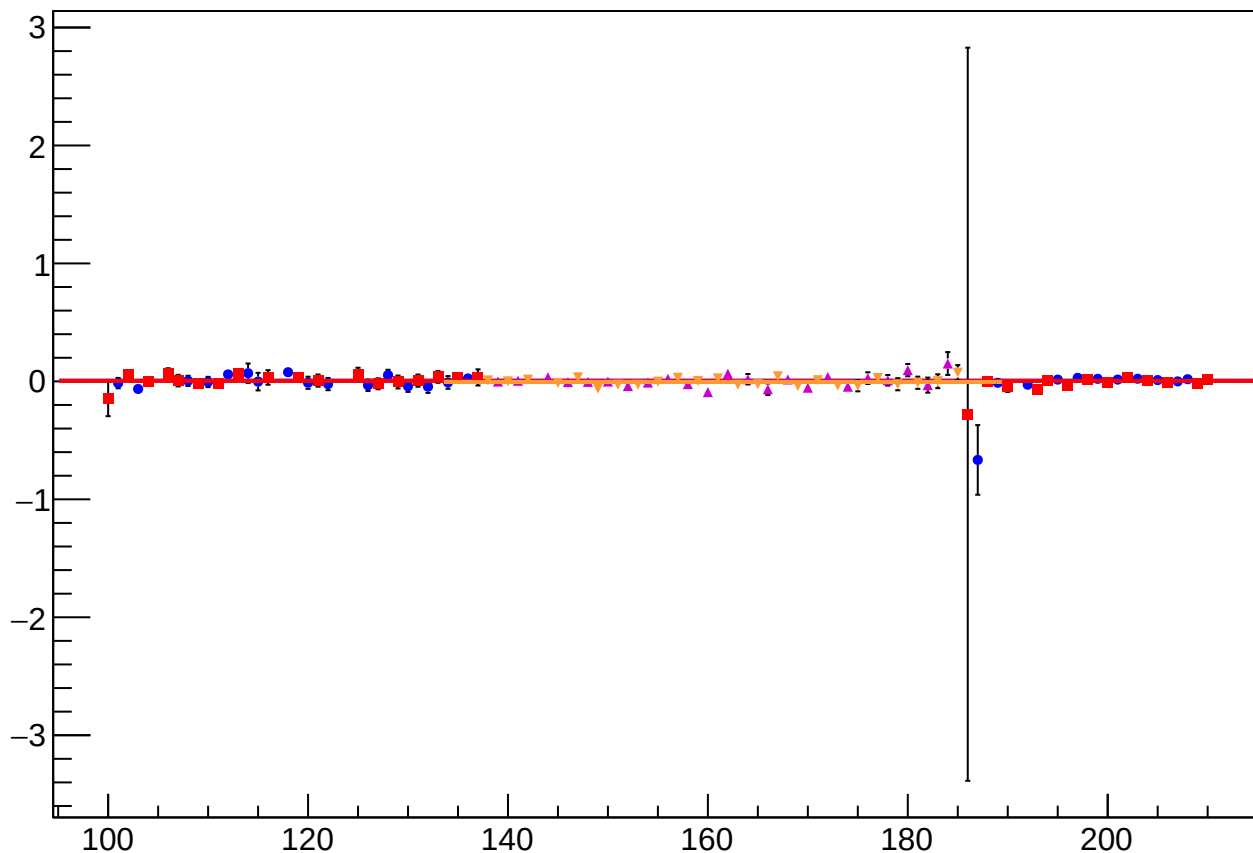
Left In: 29.255+/-0.005 χ^2/NDF : 1140337.0/22

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

All: 27.774+/-0.002 χ^2/NDF : 3999889.6/104

- sign 27.666+/-0.003 χ^2/NDF : 2431032.7/53

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.007 χ^2 /NDF: 24.3/26

Left Out: -0.005 $\pm$ 0.007 χ^2 /NDF:16.7/23

Right Out: 0.004 $\pm$ 0.007 χ^2 /NDF: 23.5/30

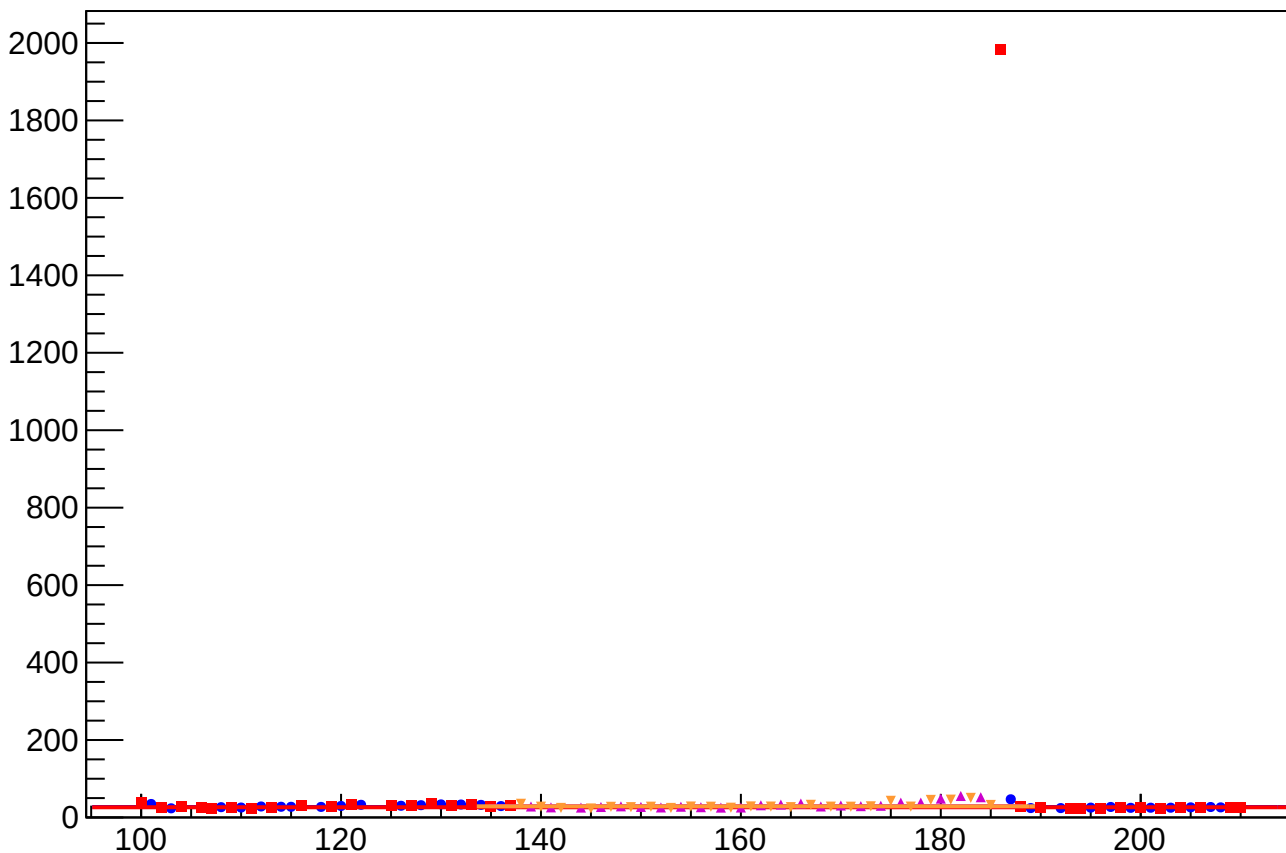
Left In: -0.004 $\pm$ 0.007 χ^2 /NDF:31.2/22

+ sign 0.000 $\pm$ 0.005 χ^2 /NDF: 42.3/50

All: 0.000 $\pm$ 0.003 χ^2 /NDF: 97.8/104

- sign 0.000 $\pm$ 0.005 χ^2 /NDF: 55.5/53

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

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

Right Out: 26.315+/-0.005 χ^2/NDF : 1109513.4/30

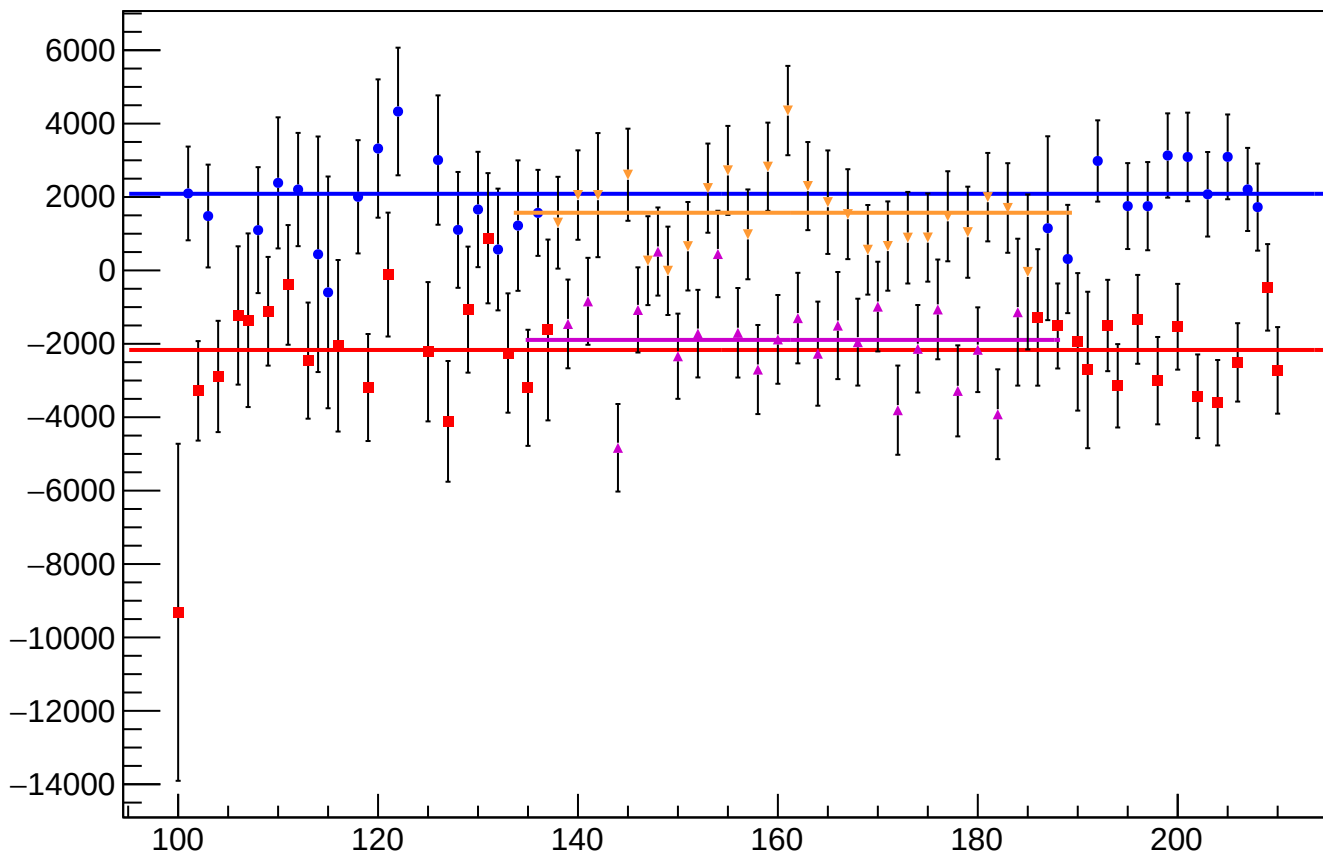
Left In: 29.255+/-0.005 χ^2/NDF : 1140337.0/22

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

All: 27.774+/-0.002 χ^2/NDF : 3999889.6/104

- sign 27.666+/-0.003 χ^2/NDF : 2431032.7/53

reg_asym_usl_mean vs Slug



Right In: 2087.447 $\pm$ 274.626 χ^2 /NDF: 10.4/26

Left Out: 1571.055 $\pm$ 256.536 χ^2 /NDF: 15.4/23

Right Out: -2167.550 $\pm$ 259.274 χ^2 /NDF: 20.7/31

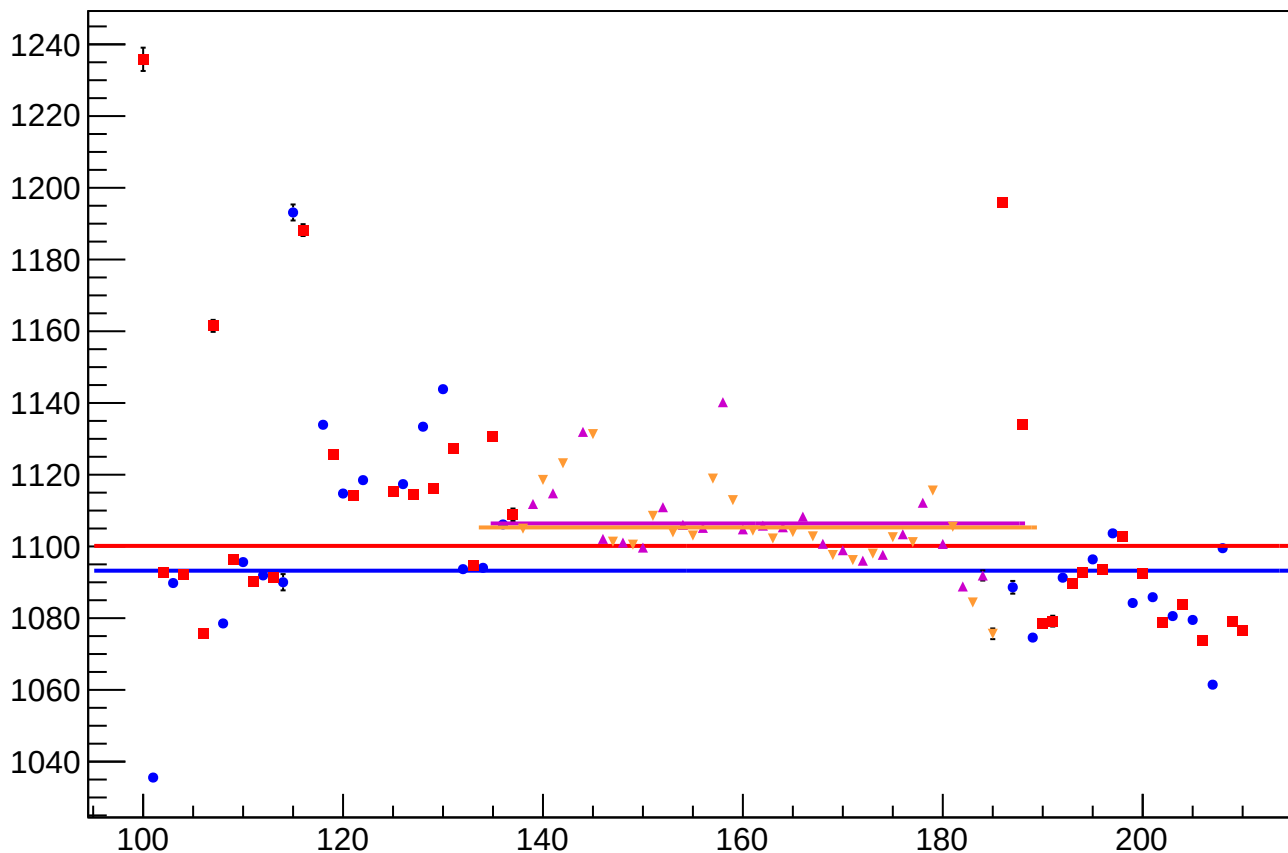
Left In: -1893.347 $\pm$ 258.339 χ^2 /NDF: 24.1/22

+ sign 1811.685 $\pm$ 187.467 χ^2 /NDF: 27.7/50

All: -155.424 $\pm$ 130.952 χ^2 /NDF: 288.1/105

- sign -2029.953 $\pm$ 183.003 χ^2 /NDF: 45.4/54

reg_asym_usl_rms vs Slug



Right In: 1093.237 $\pm$ 0.194 χ^2 /NDF: 15160.5/26

Left Out: 1105.294 $\pm$ 0.181 χ^2 /NDF:3161.8/23

Right Out: 1100.149 $\pm$ 0.183 χ^2 /NDF: 20625.9/31

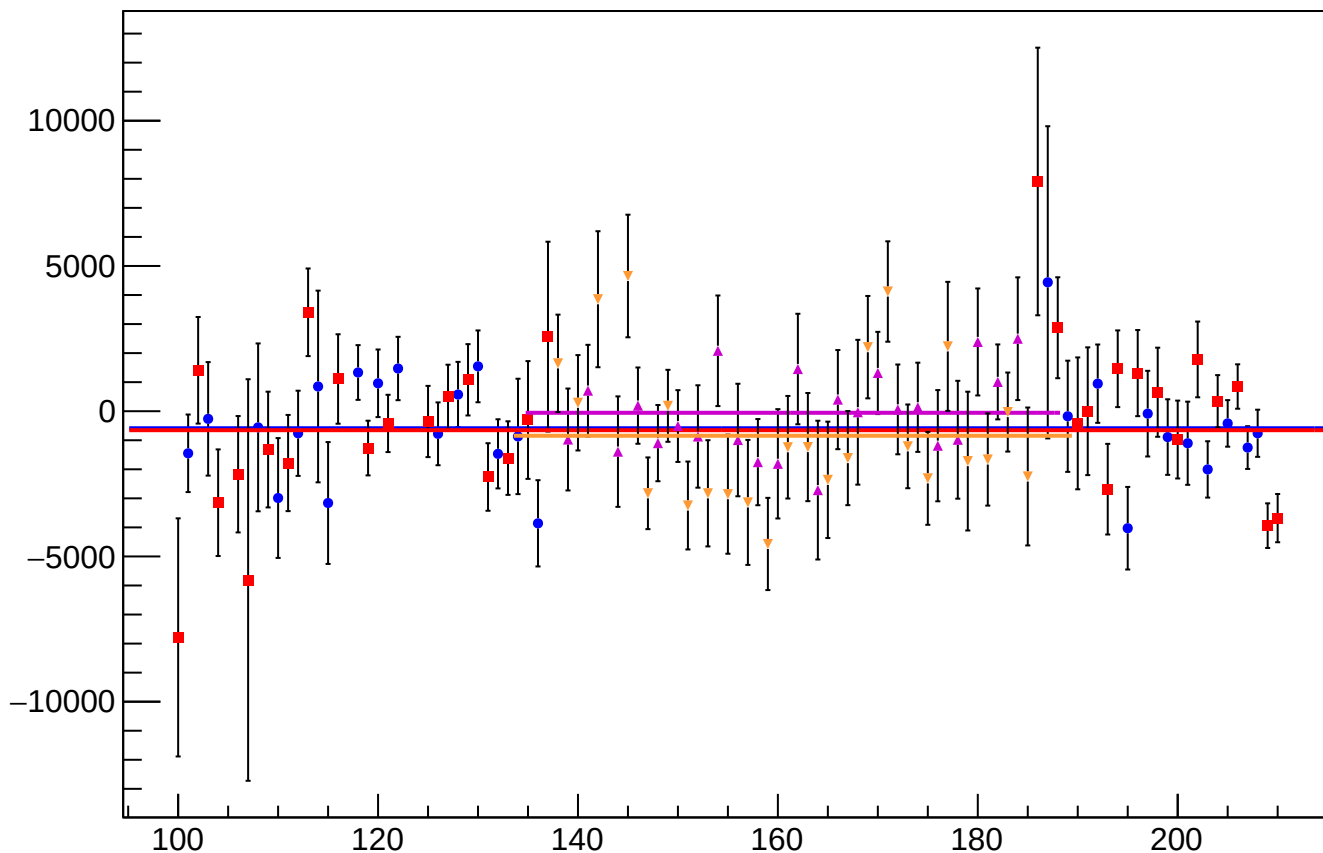
Left In: 1106.405 $\pm$ 0.183 χ^2 /NDF:3776.4/22

+ sign 1099.676 $\pm$ 0.133 χ^2 /NDF: 20381.2/50

All: 1101.525 $\pm$ 0.093 χ^2 /NDF: 45748.1/105

- sign 1103.288 $\pm$ 0.129 χ^2 /NDF: 24986.6/54

asym_usl_reg_correction_mean vs Slug



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

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

Right Out: -653.286+/-233.889 χ^2/NDF : 78.2/31

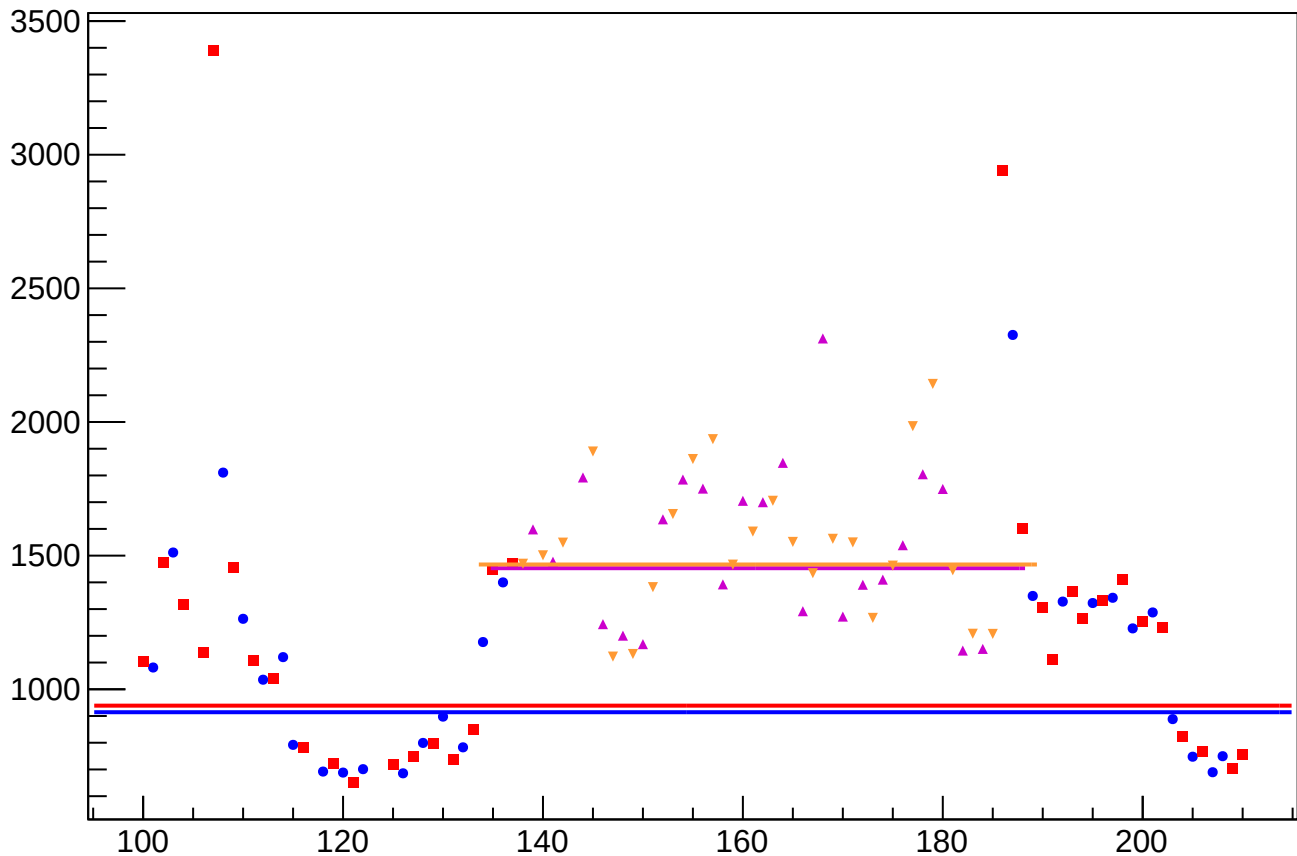
Left In: -54.347+/-345.962 χ^2/NDF : 13.0/22

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

All: -565.773+/-138.436 χ^2/NDF : 172.2/105

- sign -465.410+/-193.764 χ^2/NDF : 93.3/54

asym_usl_reg_correction_rms vs Slug



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

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

Right Out: 938.727+/-0.165 χ^2/NDF : 3351772.8/31

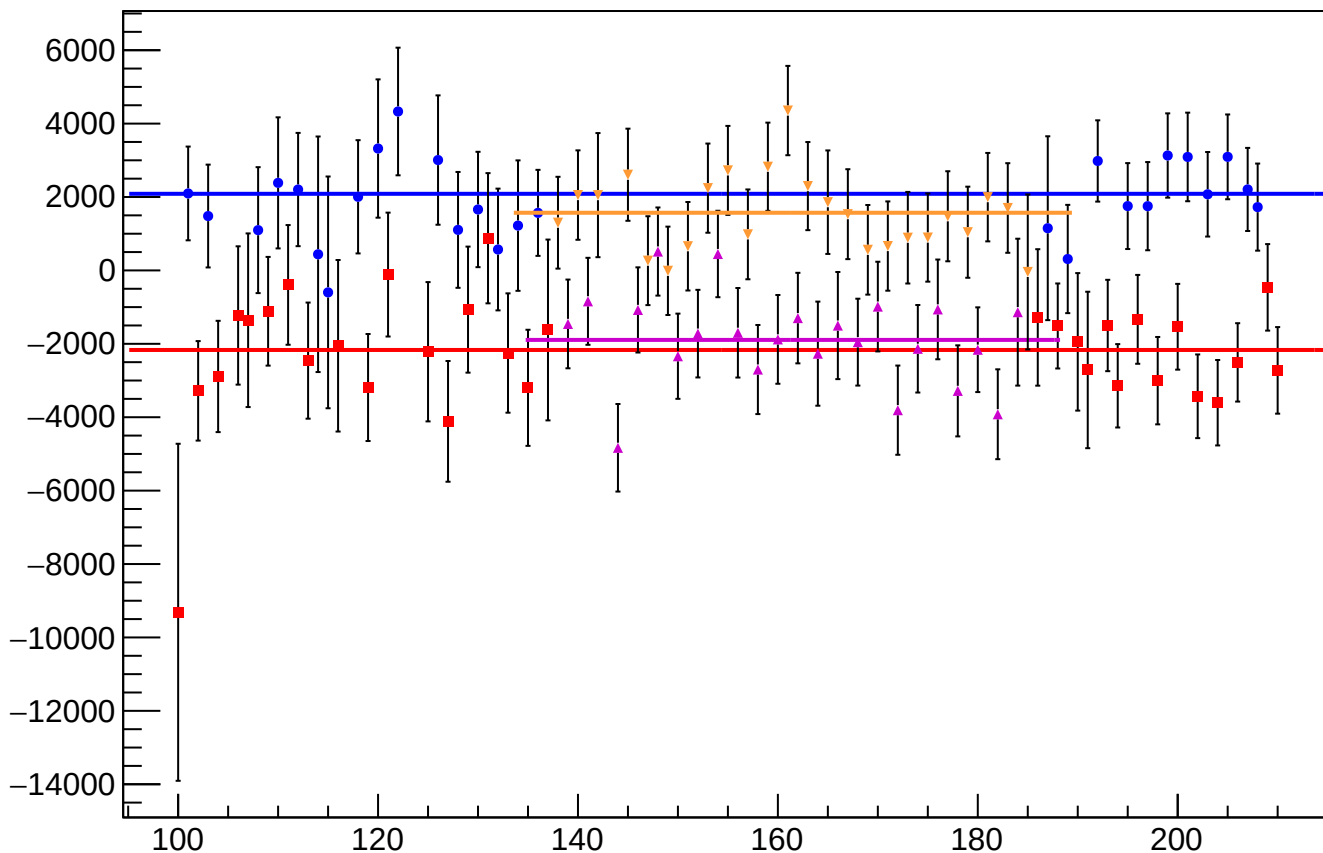
Left In: 1452.983+/-0.245 χ^2/NDF :1129567.2/22

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

All: 1096.826+/-0.098 χ^2/NDF : 14494985.7/100

- sign 1100.039+/-0.137 χ^2/NDF : 7514242.3/54

cor_asym_usl_mean vs Slug



Right In: 2087.447 $\pm$ 274.626 χ^2 /NDF: 10.4/26

Left Out: 1571.055 $\pm$ 256.536 χ^2 /NDF: 15.4/23

Right Out: -2167.543 $\pm$ 259.274 χ^2 /NDF: 20.7/31

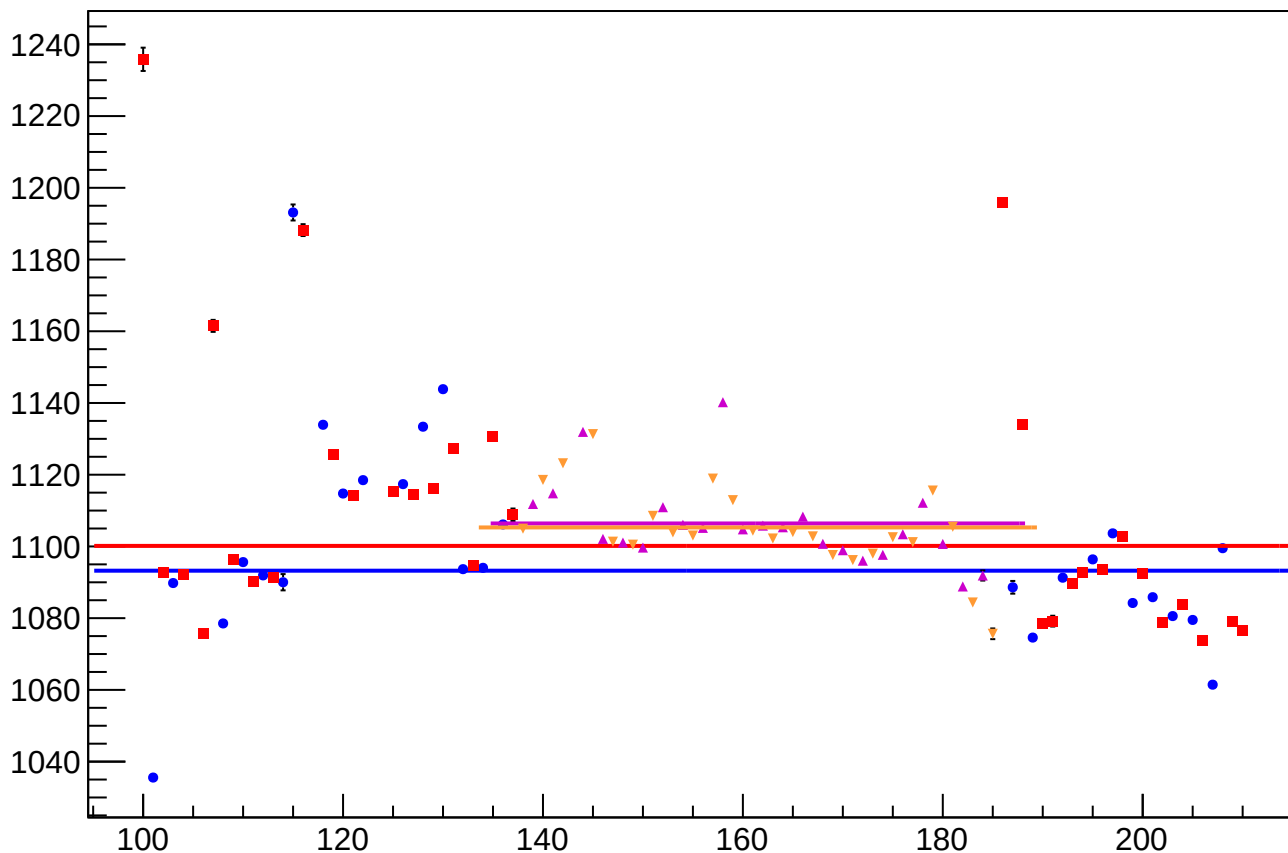
Left In: -1893.347 $\pm$ 258.339 χ^2 /NDF: 24.1/22

+ sign 1811.685 $\pm$ 187.467 χ^2 /NDF: 27.7/50

All: -155.423 $\pm$ 130.953 χ^2 /NDF: 288.1/105

- sign -2029.950 $\pm$ 183.003 χ^2 /NDF: 45.4/54

cor_asym_usl_rms vs Slug



Right In: 1093.237 $\pm$ 0.194 χ^2 /NDF: 15160.5/26

Left Out: 1105.294 $\pm$ 0.181 χ^2 /NDF:3161.8/23

Right Out: 1100.149 $\pm$ 0.183 χ^2 /NDF: 20625.9/31

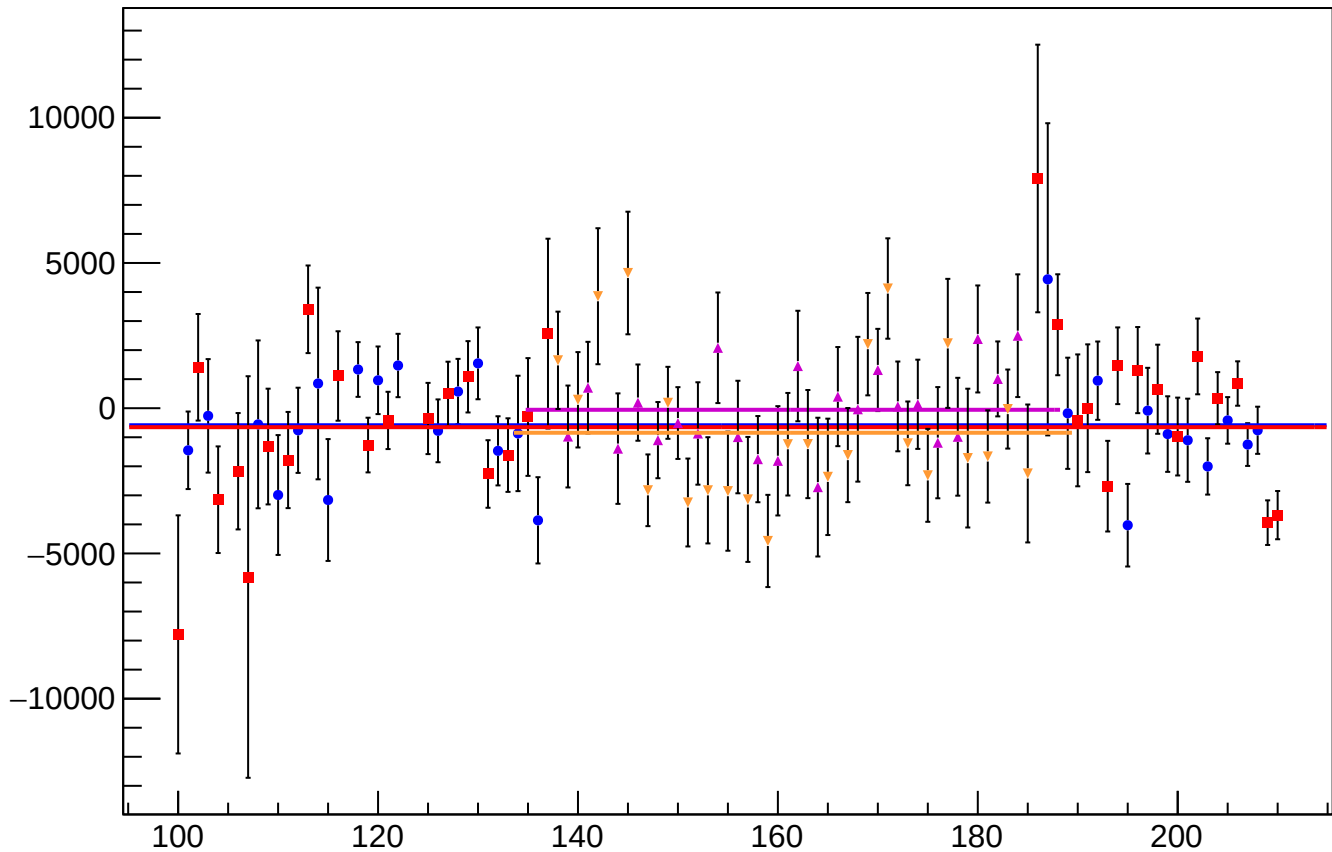
Left In: 1106.405 $\pm$ 0.183 χ^2 /NDF:3776.4/22

+ sign 1099.676 $\pm$ 0.133 χ^2 /NDF: 20381.2/50

All: 1101.525 $\pm$ 0.093 χ^2 /NDF: 45748.1/105

- sign 1103.288 $\pm$ 0.129 χ^2 /NDF: 24986.6/54

asym_usl_cor_correction_mean vs Slug



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

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

Right Out: -653.285+/-233.889 χ^2/NDF : 78.2/31

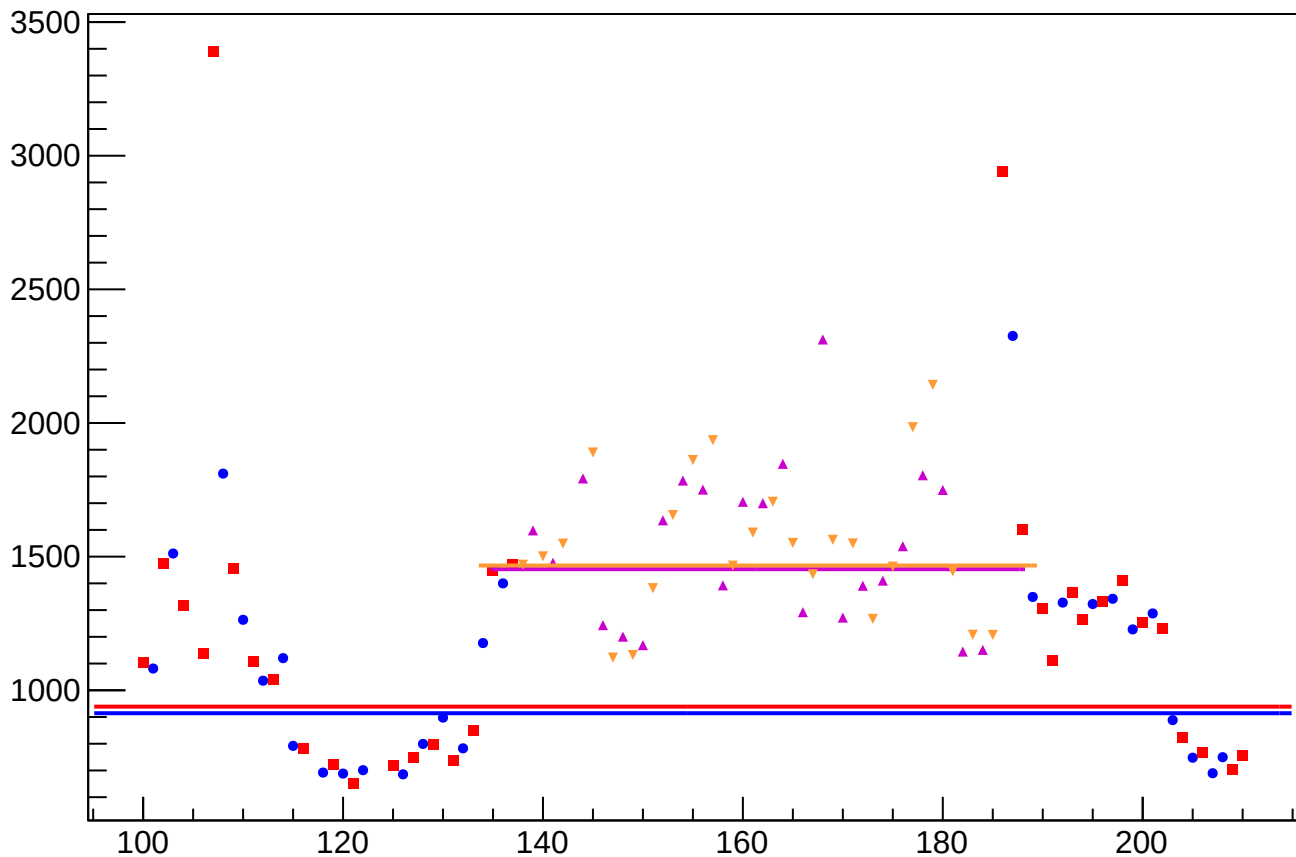
Left In: -54.347+/-345.962 χ^2/NDF : 13.0/22

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

All: -565.773+/-138.436 χ^2/NDF : 172.2/105

- sign -465.410+/-193.764 χ^2/NDF : 93.3/54

asym_usl_cor_correction_rms vs Slug



Right In: 914.135 $\pm$ 0.170 χ^2 /NDF: 2515404.7/26

Left Out: 1466.846 $\pm$ 0.246 χ^2 /NDF:1043303.8/23

Right Out: 938.726 $\pm$ 0.165 χ^2 /NDF: 3351771.2/31

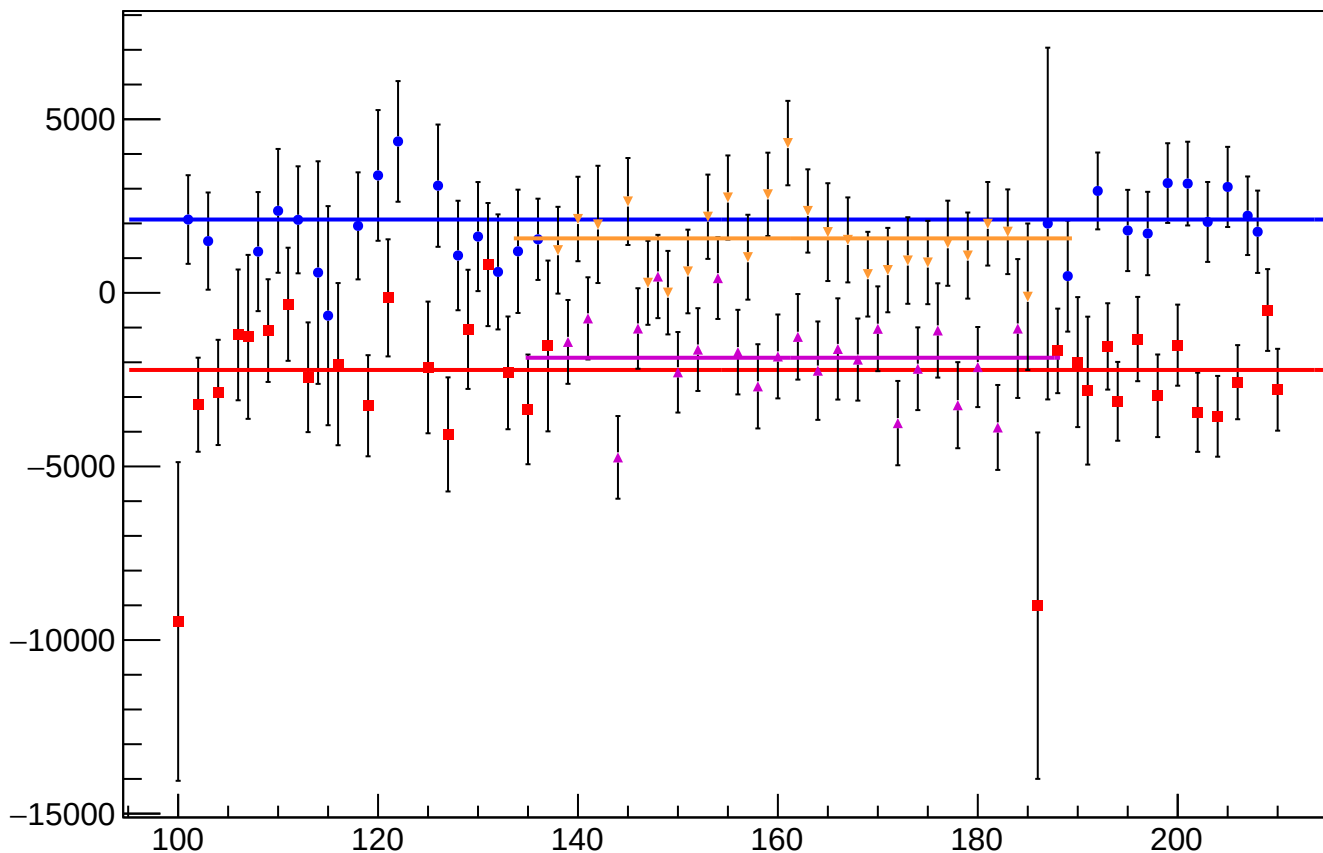
Left In: 1452.983 $\pm$ 0.245 χ^2 /NDF:1129567.2/22

+ sign 1093.476 $\pm$ 0.140 χ^2 /NDF: 6979620.2/50

All: 1096.826 $\pm$ 0.098 χ^2 /NDF: 14494985.5/100

- sign 1100.039 $\pm$ 0.137 χ^2 /NDF: 7514242.2/54

overload_cor_asym_usl_mean vs Slug



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

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

Right Out: -2220.848 ± 261.976 χ^2/NDF : 22.3/31

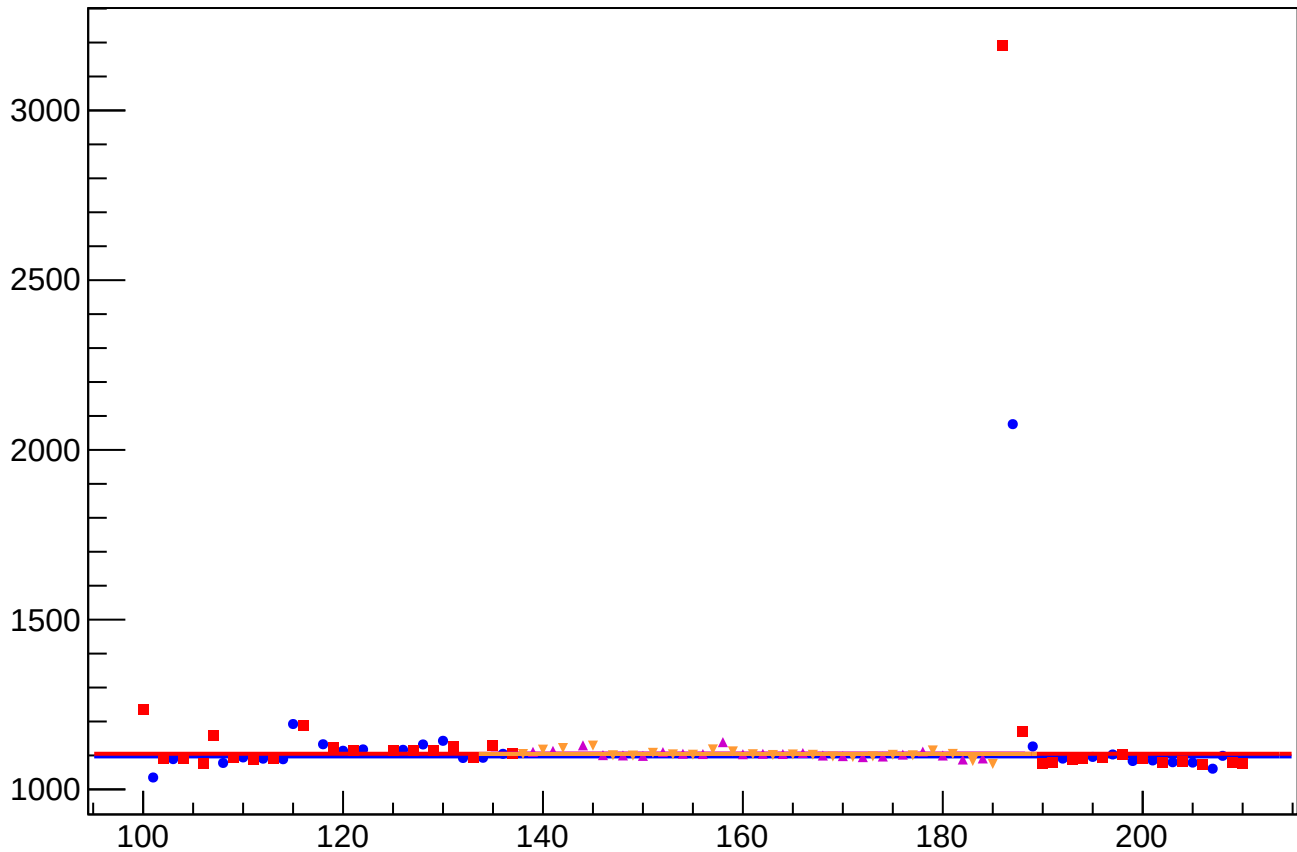
Left In: -1869.342 ± 258.099 χ^2/NDF : 23.4/22

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

All: -153.615 ± 131.427 χ^2/NDF : 289.8/105

- sign -2042.475 ± 183.859 χ^2/NDF : 46.6/54

overload_cor_asym_usl_rms vs Slug



Right In: 1097.115 $\pm$ 0.195 χ^2 /NDF: 90421.2/26

Left Out: 1104.258 $\pm$ 0.181 χ^2 /NDF:2999.2/23

Right Out: 1104.973 $\pm$ 0.185 χ^2 /NDF: 370910.7/31

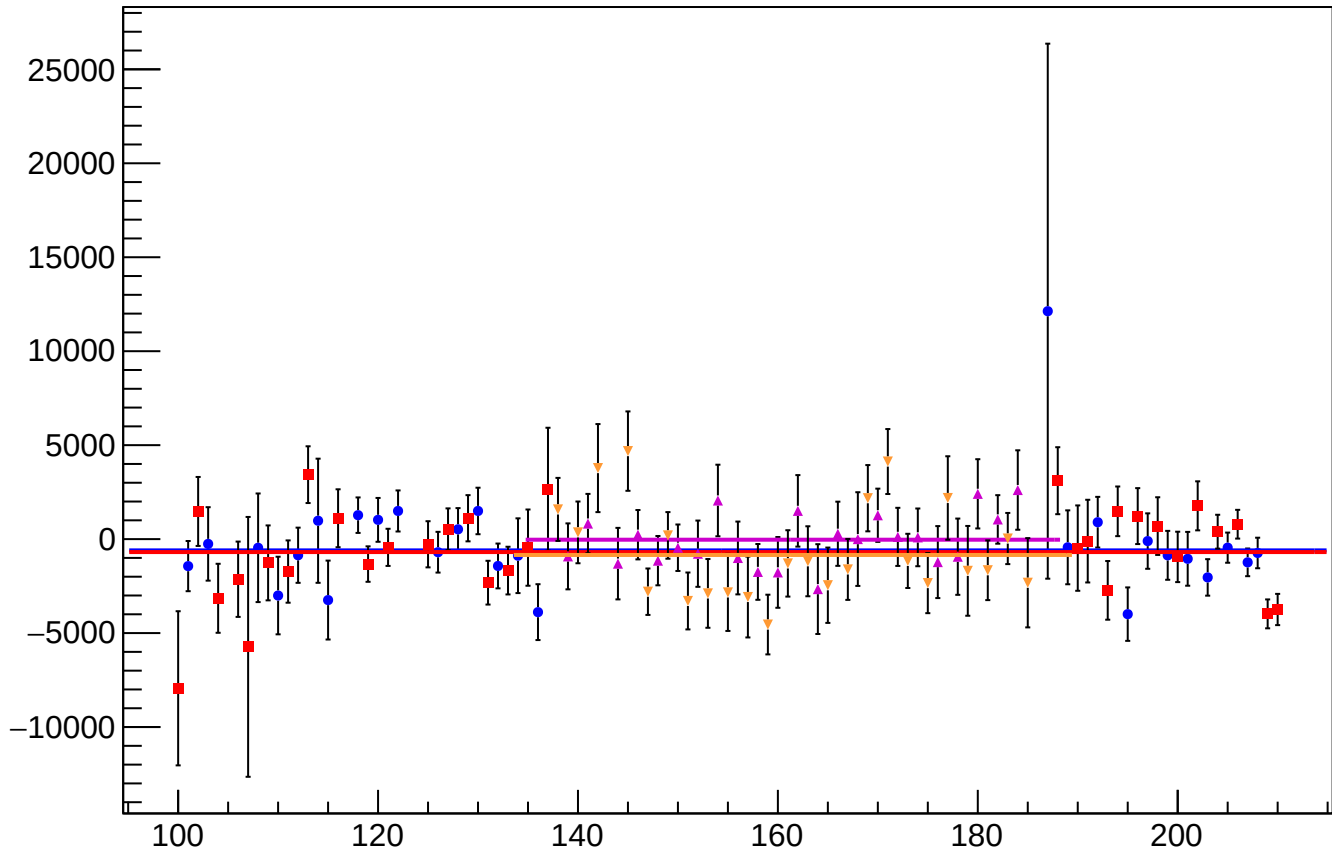
Left In: 1105.380 $\pm$ 0.183 χ^2 /NDF:3661.0/22

+ sign 1100.956 $\pm$ 0.133 χ^2 /NDF: 94138.6/50

All: 1103.114 $\pm$ 0.093 χ^2 /NDF: 469229.0/105

- sign 1105.180 $\pm$ 0.130 χ^2 /NDF: 374574.2/54

asym_usl_overload_cor_correction_mean vs Slug



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

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

Right Out: -688.900+/-234.578 χ^2/NDF : 76.3/30

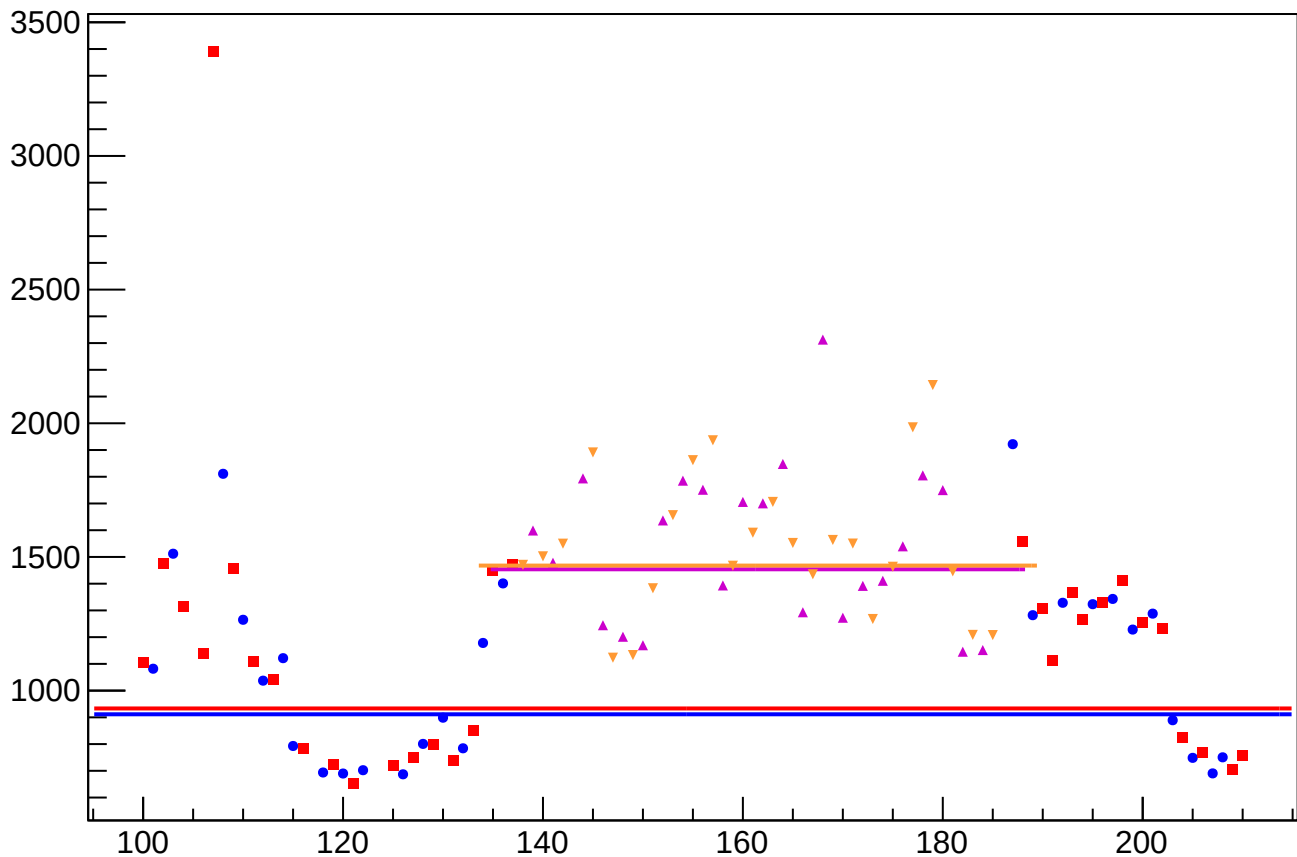
Left In: -31.387+/-346.155 χ^2/NDF : 13.1/22

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

All: -578.313+/-138.717 χ^2/NDF : 170.2/104

- sign -481.975+/-194.189 χ^2/NDF : 91.8/53

asym_usl_overload_cor_correction_rms vs Slug



Right In: 911.434 $\pm$ 0.171 χ^2 /NDF: 2346271.5/26

Left Out: 1467.697 $\pm$ 0.246 χ^2 /NDF:1041877.5/23

Right Out: 933.244 $\pm$ 0.166 χ^2 /NDF: 2911730.1/30

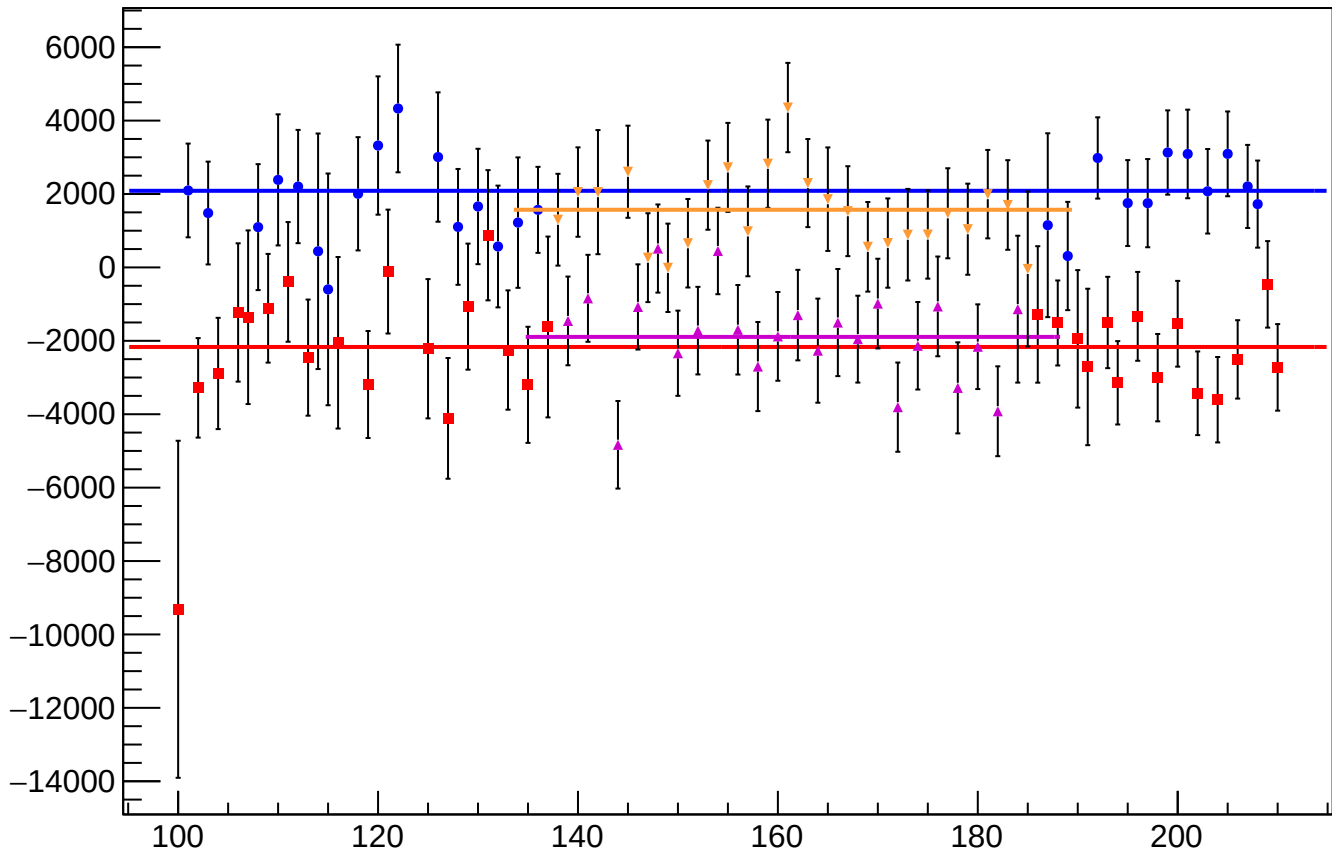
Left In: 1453.834 $\pm$ 0.245 χ^2 /NDF:1127997.5/22

+ sign 1092.398 $\pm$ 0.140 χ^2 /NDF: 6845021.8/50

All: 1094.786 $\pm$ 0.098 χ^2 /NDF: 13985277.8/100

- sign 1097.078 $\pm$ 0.137 χ^2 /NDF: 7139687.2/53

eigen_cor_asym_usl_mean vs Slug



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

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

Right Out: -2167.543+/-259.274 χ^2 /NDF: 20.7/31

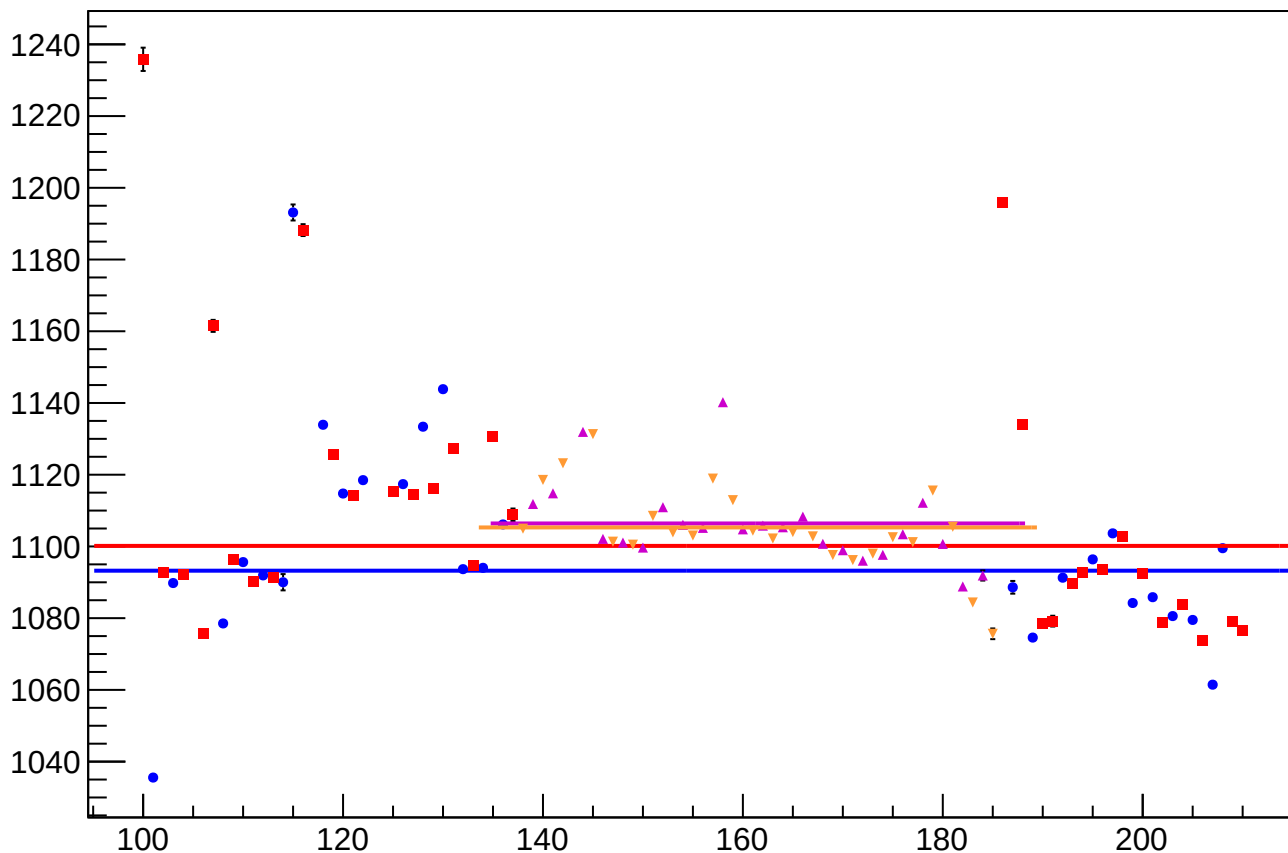
Left In: -1893.347+/-258.339 χ^2 /NDF:24.1/22

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

All: -155.423+/-130.953 χ^2 /NDF: 288.1/105

- sign -2029.950+/-183.003 χ^2 /NDF: 45.4/54

eigen_cor_asym_usl_rms vs Slug



Right In: 1093.237 $\pm$ 0.194 χ^2 /NDF: 15160.5/26

Left Out: 1105.294 $\pm$ 0.181 χ^2 /NDF:3161.8/23

Right Out: 1100.149 $\pm$ 0.183 χ^2 /NDF: 20625.9/31

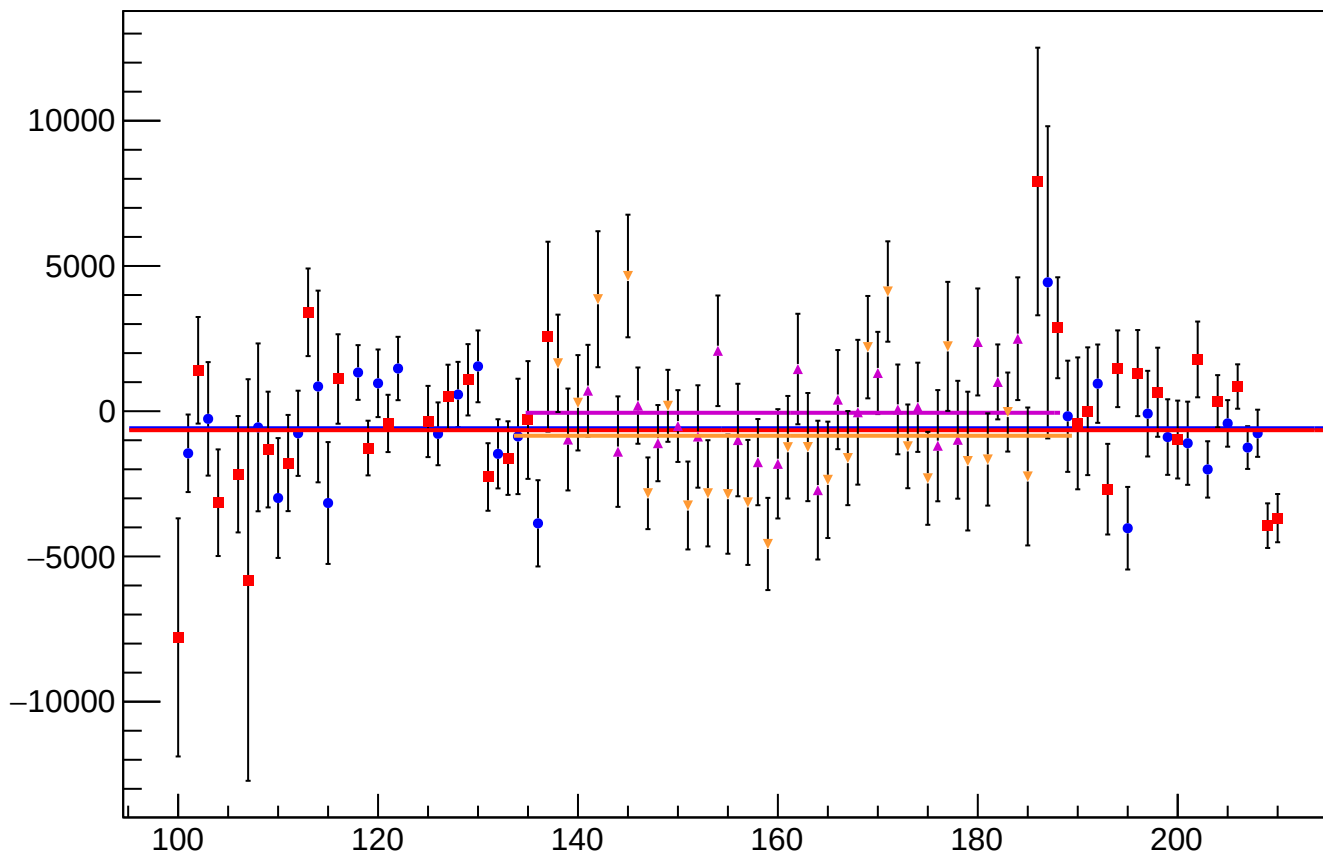
Left In: 1106.405 $\pm$ 0.183 χ^2 /NDF:3776.4/22

+ sign 1099.676 $\pm$ 0.133 χ^2 /NDF: 20381.2/50

All: 1101.525 $\pm$ 0.093 χ^2 /NDF: 45748.1/105

- sign 1103.288 $\pm$ 0.129 χ^2 /NDF: 24986.6/54

asym_usl_eigen_cor_correction_mean vs Slug



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

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

Right Out: -653.285+/-233.889 χ^2/NDF : 78.2/31

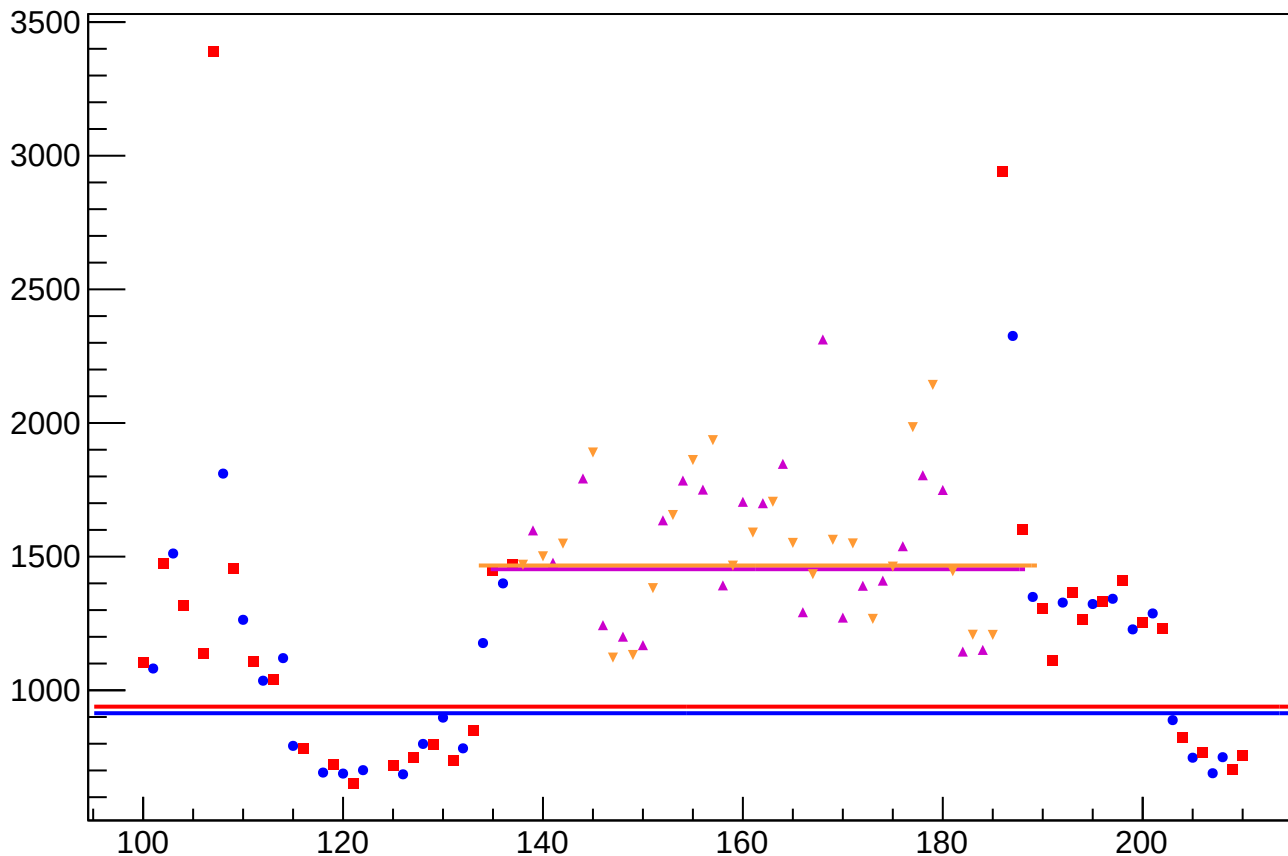
Left In: -54.347+/-345.962 χ^2/NDF : 13.0/22

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

All: -565.773+/-138.436 χ^2/NDF : 172.2/105

- sign -465.410+/-193.764 χ^2/NDF : 93.3/54

asym_usl_eigen_cor_correction_rms vs Slug



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

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

Right Out: 938.726+/-0.165 χ^2/NDF : 3351771.2/31

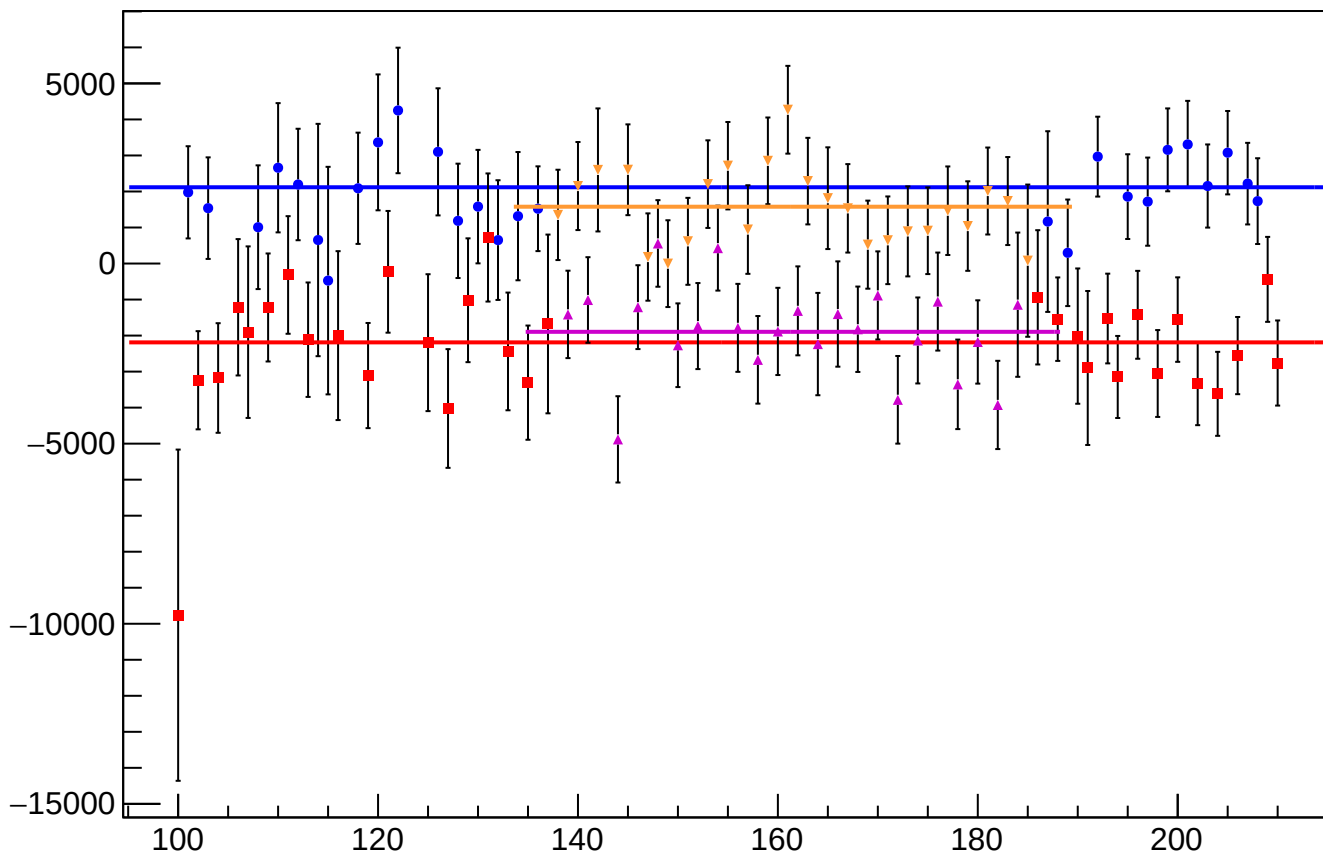
Left In: 1452.983+/-0.245 χ^2/NDF : 1129567.2/22

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

All: 1096.826+/-0.098 χ^2/NDF : 14494985.5/100

- sign 1100.039+/-0.137 χ^2/NDF : 7514242.2/54

dit_asym_usl_mean vs Slug



Right In: 2117.528 $\pm$ 275.547 χ^2 /NDF: 10.5/26

Left Out: 1577.402 $\pm$ 257.003 χ^2 /NDF: 15.5/23

Right Out: -2188.765 $\pm$ 260.208 χ^2 /NDF: 20.6/31

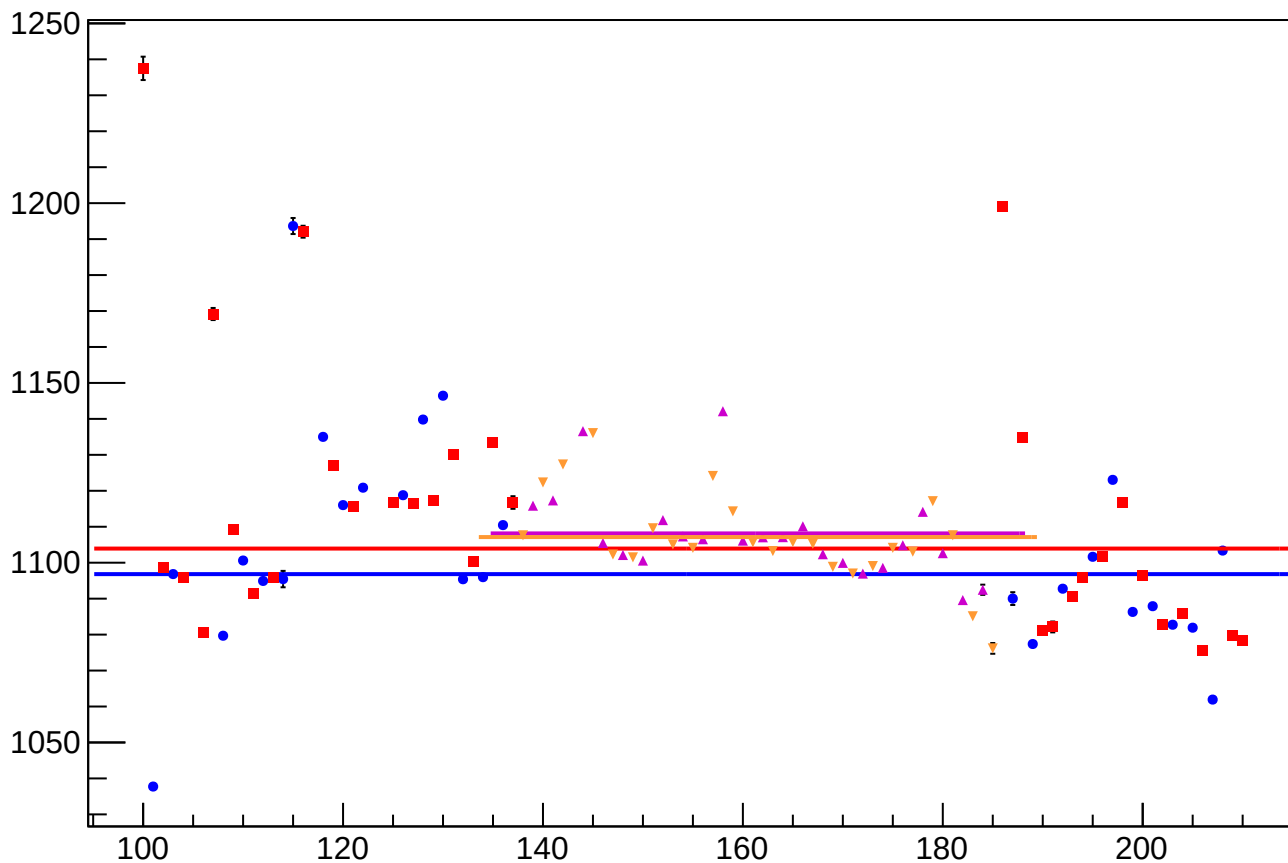
Left In: -1895.548 $\pm$ 258.750 χ^2 /NDF: 24.1/22

+ sign 1828.680 $\pm$ 187.943 χ^2 /NDF: 28.1/50

All: -152.846 $\pm$ 131.288 χ^2 /NDF: 290.5/105

- sign -2041.333 $\pm$ 183.477 χ^2 /NDF: 45.3/54

dit_asym_usl_rms vs Slug



Right In: 1096.822 $\pm$ 0.195 χ^2 /NDF: 16396.8/26

Left Out: 1107.127 $\pm$ 0.182 χ^2 /NDF: 3783.7/23

Right Out: 1103.930 $\pm$ 0.184 χ^2 /NDF: 20832.2/31

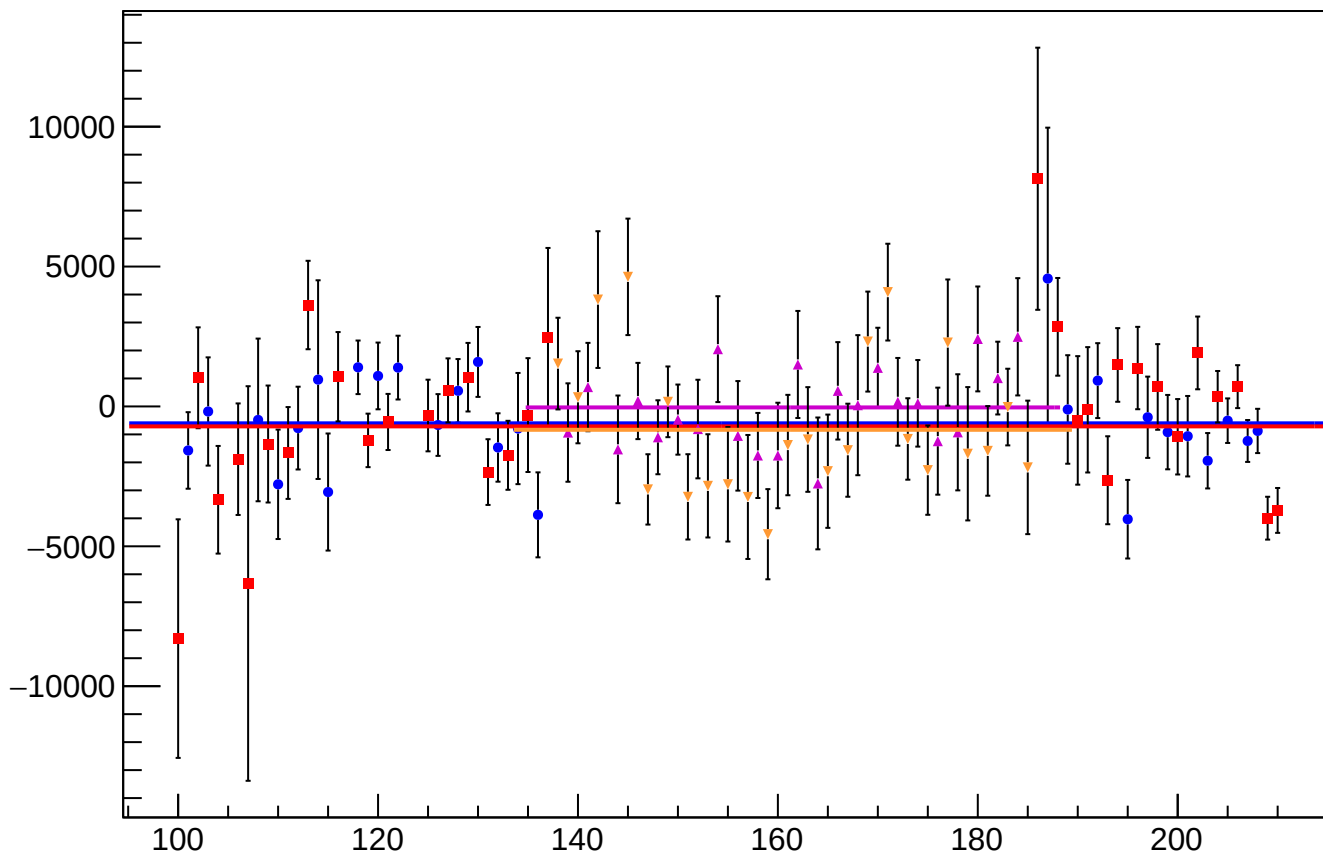
Left In: 1108.145 $\pm$ 0.183 χ^2 /NDF: 4190.5/22

+ sign 1102.333 $\pm$ 0.133 χ^2 /NDF: 21676.2/50

All: 1104.236 $\pm$ 0.093 χ^2 /NDF: 47363.3/105

- sign 1106.050 $\pm$ 0.130 χ^2 /NDF: 25286.6/54

asym_usl_dit_correction_mean vs Slug



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

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

Right Out: -713.243+/-235.345 χ^2/NDF : 79.7/31

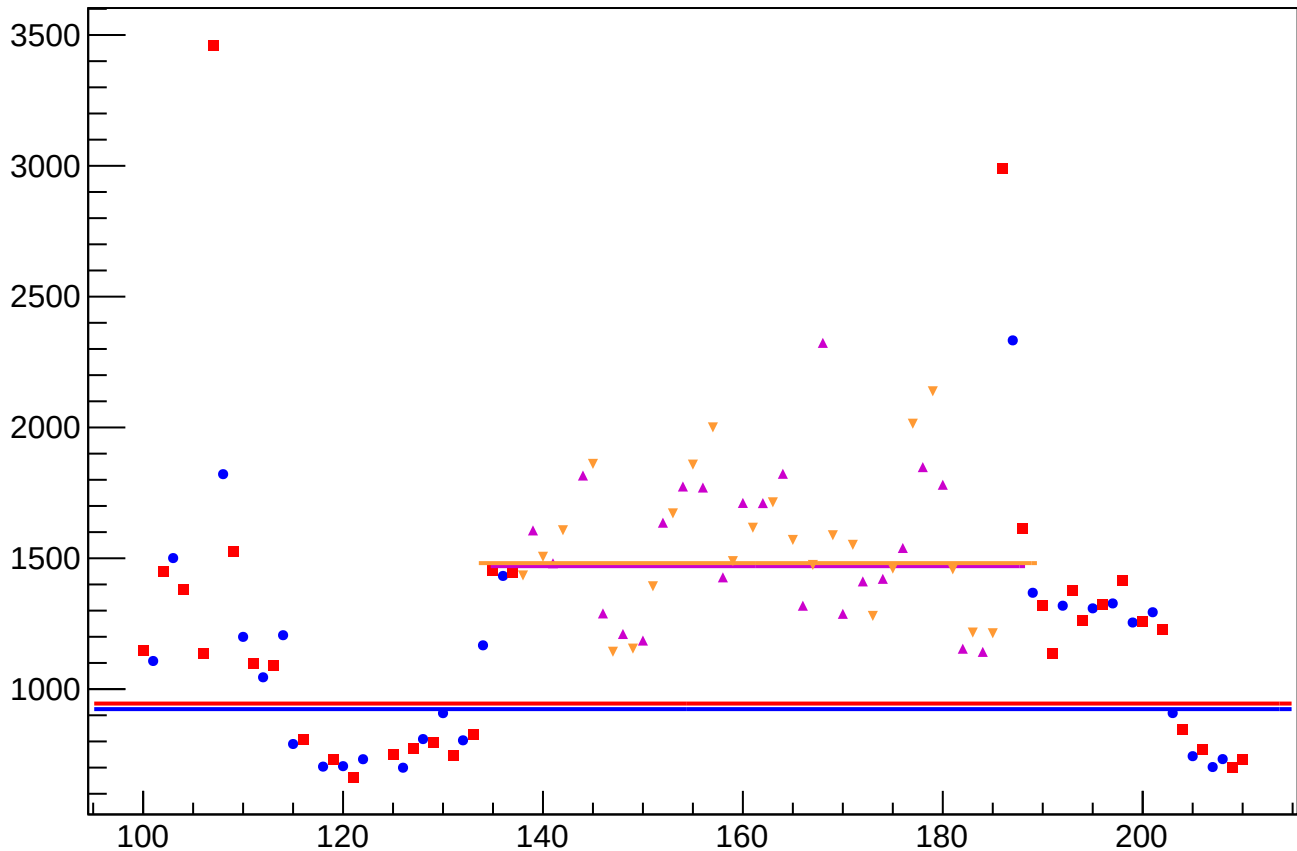
Left In: -35.516+/-349.636 χ^2/NDF : 13.1/22

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

All: -588.567+/-139.568 χ^2/NDF : 172.9/105

- sign -501.922+/-195.236 χ^2/NDF : 95.4/54

asym_usl_dit_correction_rms vs Slug



Right In: 923.514 $\pm$ 0.172 χ^2/NDF : 2455559.2/26

Left Out: 1481.543 $\pm$ 0.248 χ^2/NDF : 1017463.8/23

Right Out: 944.779 $\pm$ 0.166 χ^2/NDF : 3373150.1/31

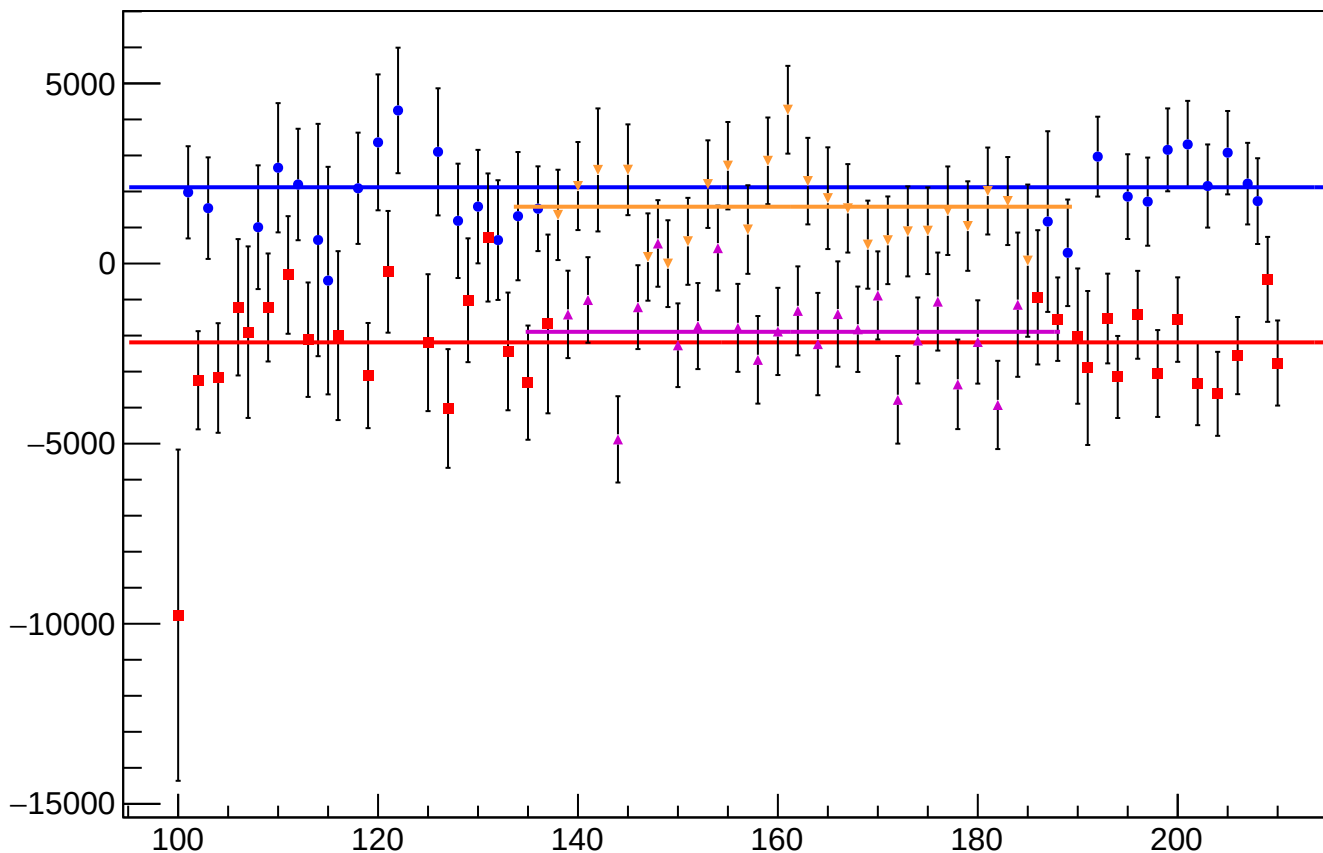
Left In: 1469.907 $\pm$ 0.247 χ^2/NDF : 1095056.5/22

+ sign 1104.355 $\pm$ 0.141 χ^2/NDF : 6897424.3/50

All: 1106.482 $\pm$ 0.099 χ^2/NDF : 14470905.8/100

- sign 1108.518 $\pm$ 0.138 χ^2/NDF : 7573036.9/54

eigen_dit_asym_usl_mean vs Slug



Right In: 2117.528 $\pm$ 275.547 χ^2 /NDF: 10.5/26

Left Out: 1577.399 $\pm$ 257.003 χ^2 /NDF:15.5/23

Right Out: -2188.764 $\pm$ 260.208 χ^2 /NDF: 20.6/31

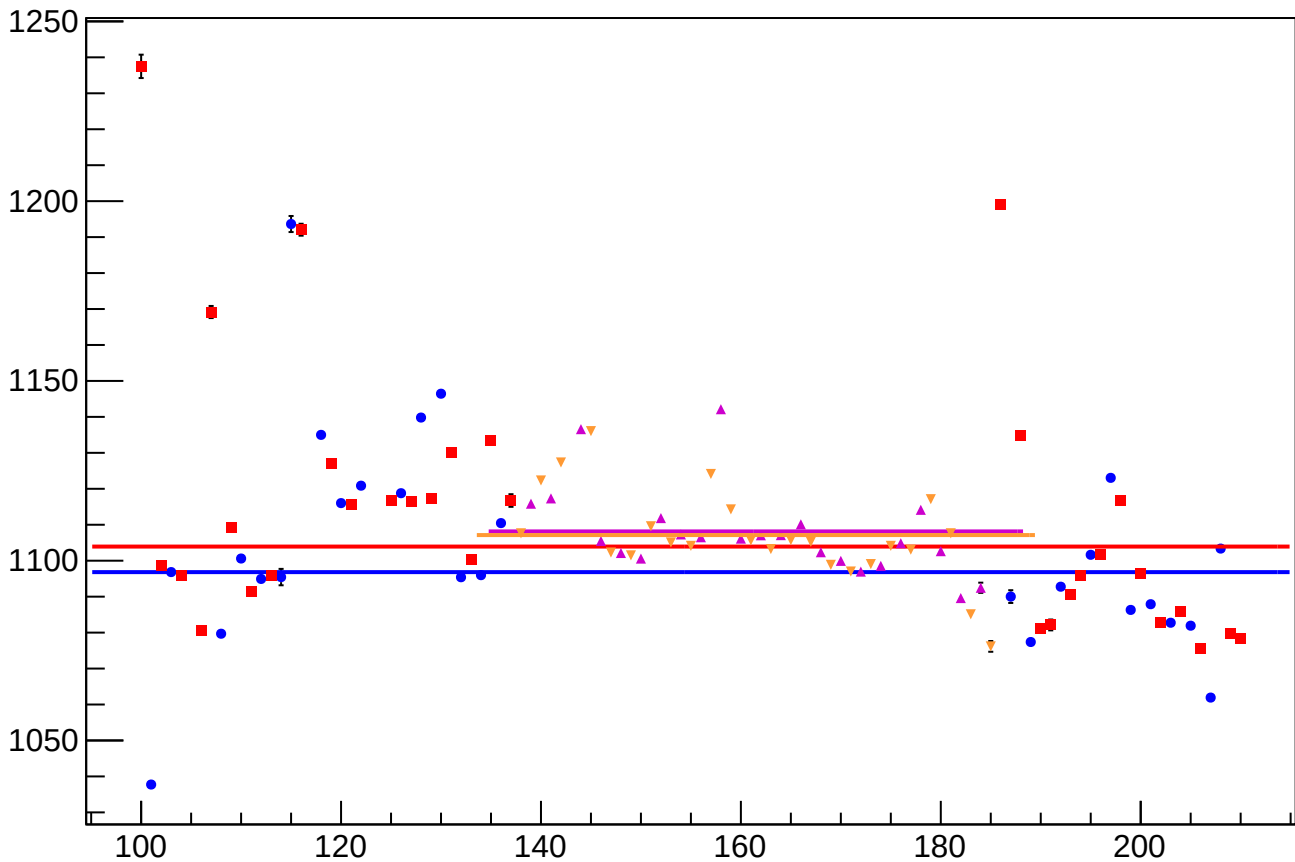
Left In: -1895.549 $\pm$ 258.750 χ^2 /NDF:24.1/22

+ sign 1828.678 $\pm$ 187.943 χ^2 /NDF: 28.1/50

All: -152.847 $\pm$ 131.288 χ^2 /NDF: 290.5/105

- sign -2041.332 $\pm$ 183.477 χ^2 /NDF: 45.3/54

eigen_dit_asym_usl_rms vs Slug



Right In: 1096.822 $\pm$ 0.195 χ^2 /NDF: 16396.8/26

Left Out: 1107.127 $\pm$ 0.182 χ^2 /NDF: 3783.7/23

Right Out: 1103.930 $\pm$ 0.184 χ^2 /NDF: 20832.1/31

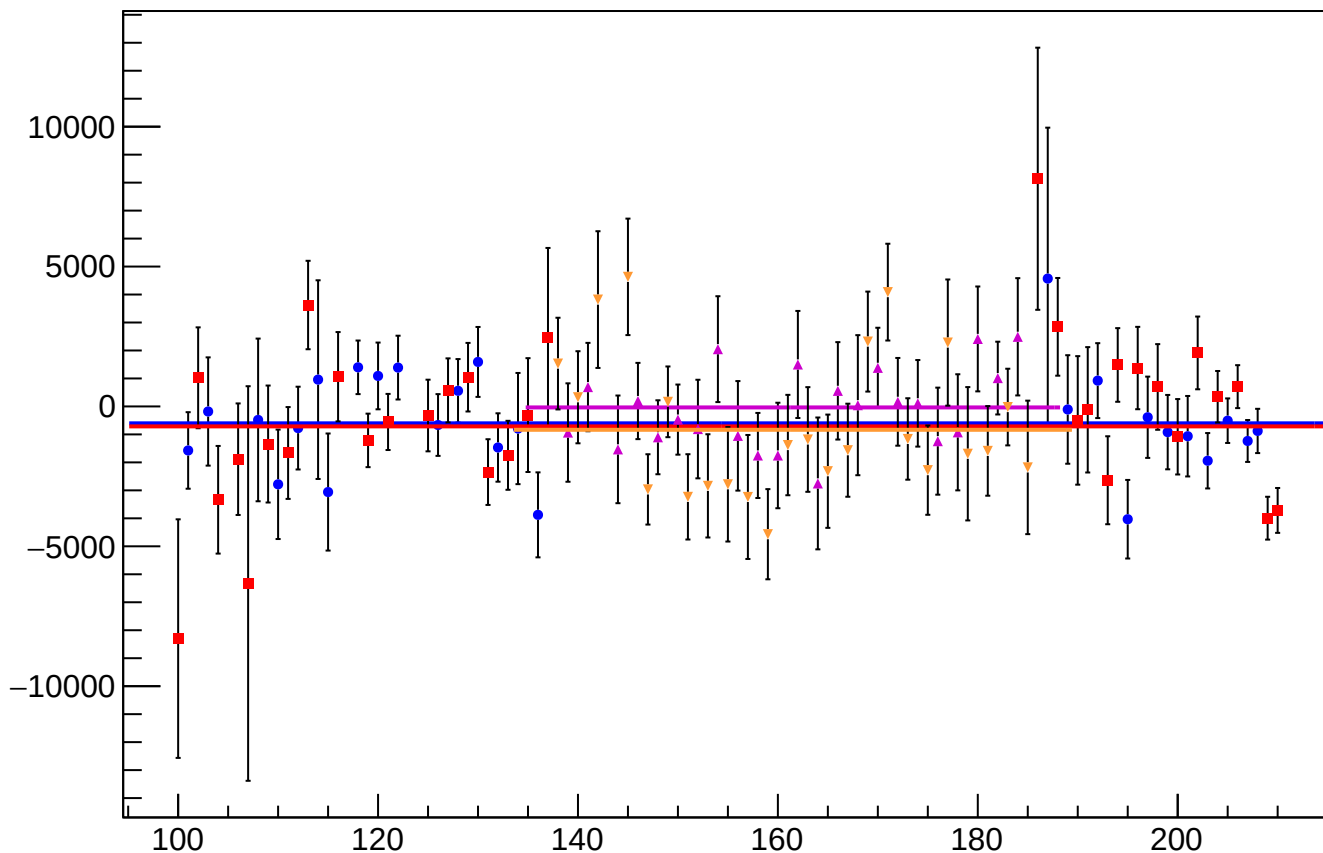
Left In: 1108.145 $\pm$ 0.183 χ^2 /NDF: 4190.5/22

+ sign 1102.333 $\pm$ 0.133 χ^2 /NDF: 21676.2/50

All: 1104.236 $\pm$ 0.093 χ^2 /NDF: 47363.3/105

- sign 1106.050 $\pm$ 0.130 χ^2 /NDF: 25286.6/54

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -604.252 ± 242.773 $\chi^2/\text{NDF}: 33.2/26$

Left Out: -835.291 ± 350.615 $\chi^2/\text{NDF}: 43.6/23$

Right Out: -713.240 ± 235.344 $\chi^2/\text{NDF}: 79.7/31$

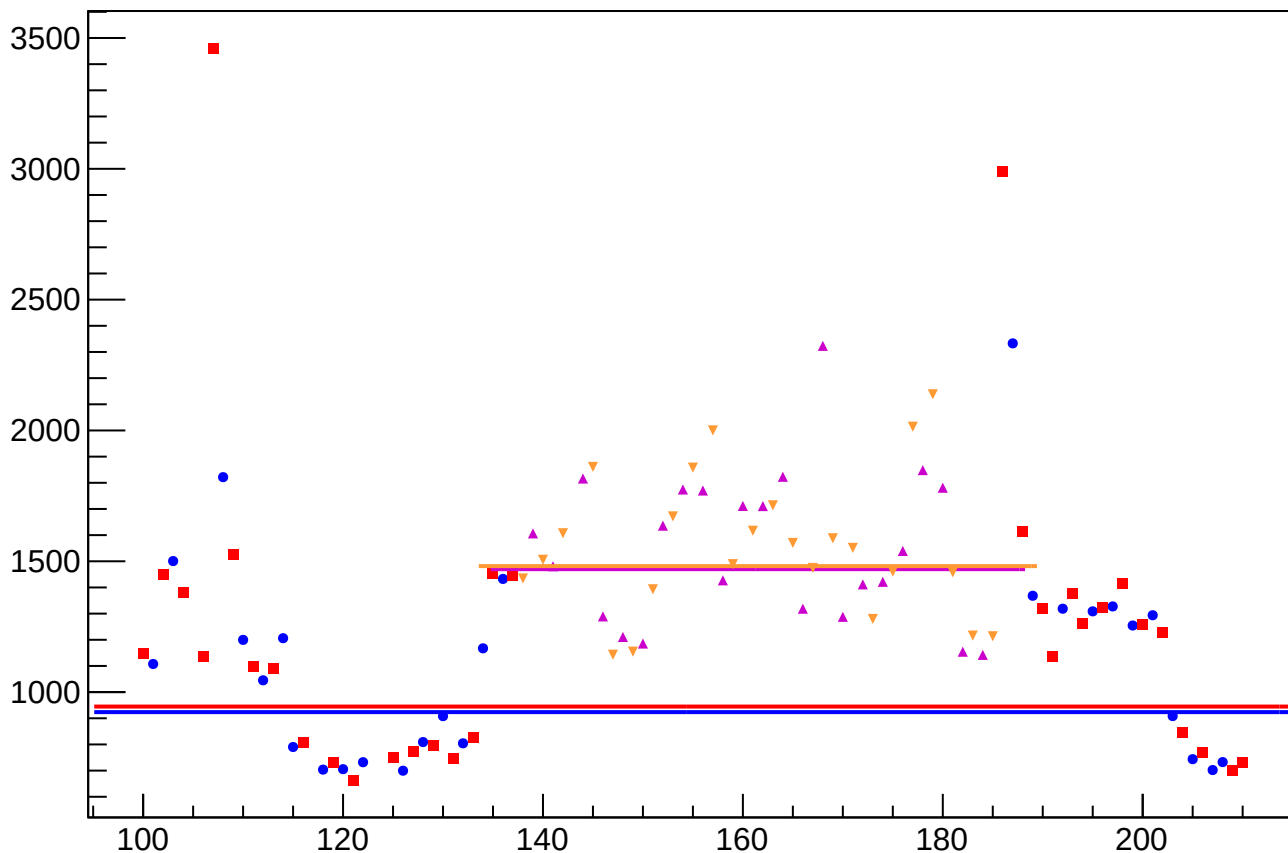
Left In: -35.516 ± 349.636 $\chi^2/\text{NDF}: 13.1/22$

+ sign -679.125 ± 199.595 $\chi^2/\text{NDF}: 77.1/50$

All: -588.567 ± 139.568 $\chi^2/\text{NDF}: 172.9/105$

- sign -501.922 ± 195.236 $\chi^2/\text{NDF}: 95.4/54$

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 923.513 $\pm$ 0.172 χ^2 /NDF: 2455561.9/26

Left Out: 1481.545 $\pm$ 0.248 χ^2 /NDF:1017460.8/23

Right Out: 944.779 $\pm$ 0.166 χ^2 /NDF: 3373152.9/31

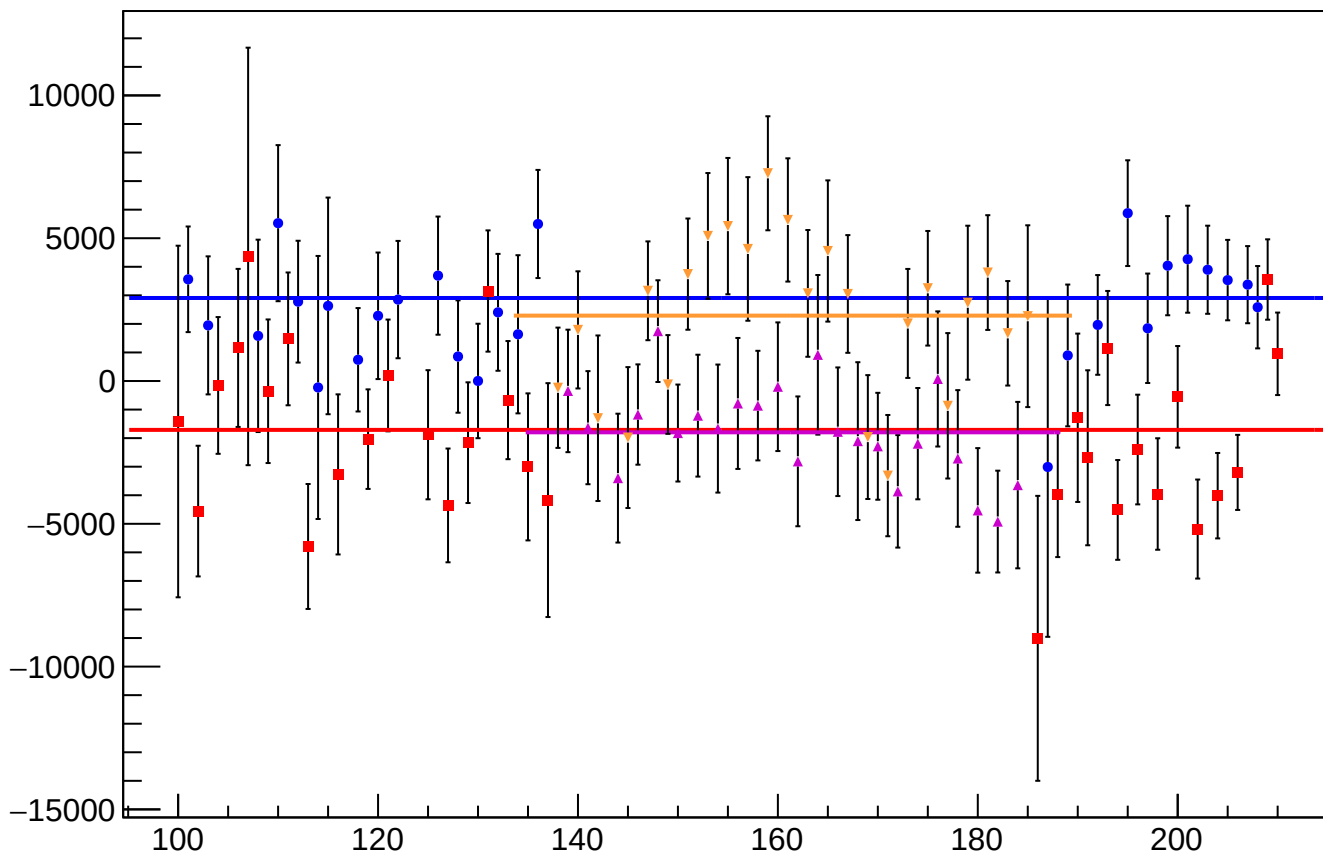
Left In: 1469.908 $\pm$ 0.247 χ^2 /NDF:1095054.0/22

+ sign 1104.355 $\pm$ 0.141 χ^2 /NDF: 6897447.0/50

All: 1106.482 $\pm$ 0.099 χ^2 /NDF: 14470951.2/100

- sign 1108.518 $\pm$ 0.138 χ^2 /NDF: 7573059.6/54

asym_usl_mean vs Slug



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

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

Right Out: -1711.347+/-367.821 χ^2/NDF : 53.5/31

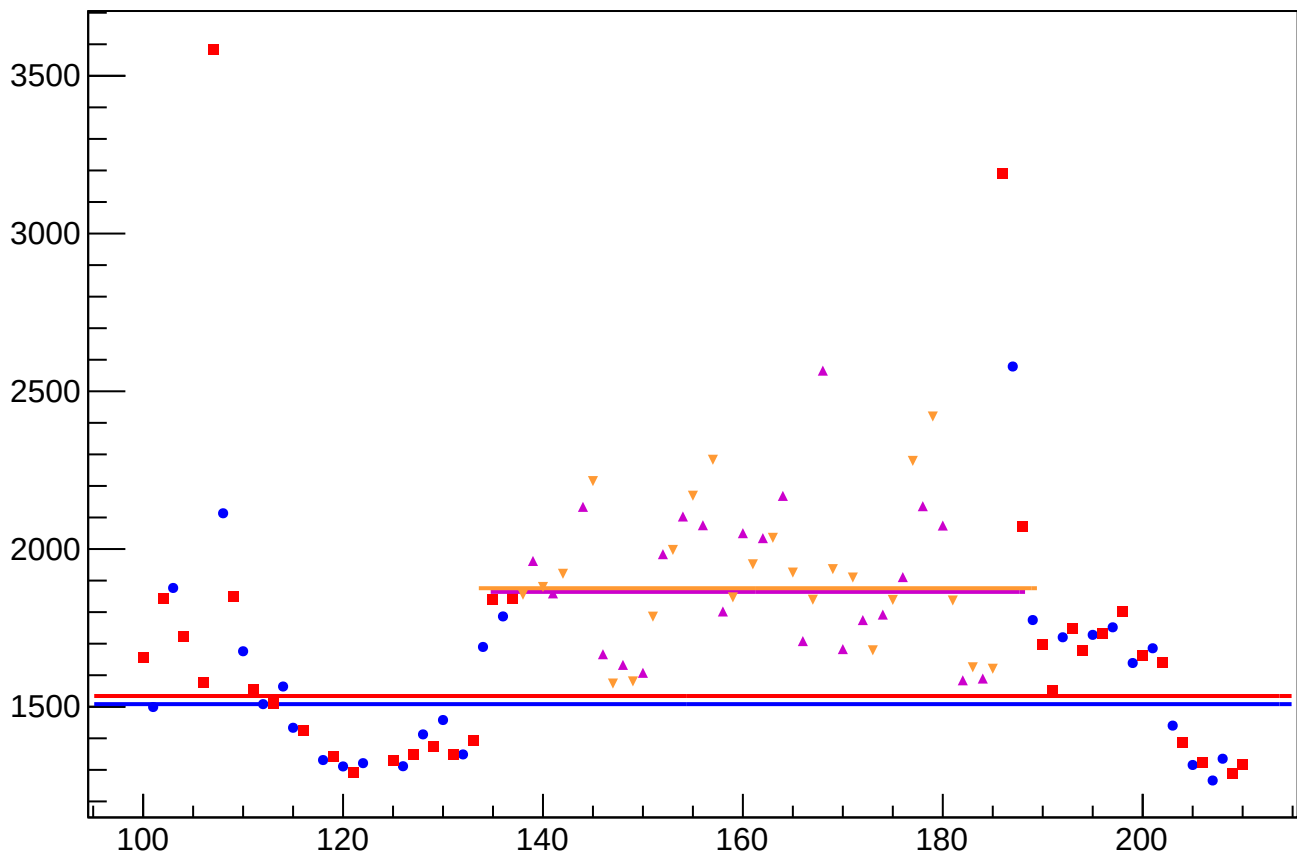
Left In: -1796.308+/-439.143 χ^2/NDF : 14.2/22

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

All: 394.832+/-201.747 χ^2/NDF : 238.4/105

- sign -1746.377+/-281.977 χ^2/NDF : 67.8/54

asym_usl_rms vs Slug



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

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

Right Out: 1534.127+/-0.260 χ^2/NDF : 1044073.6/31

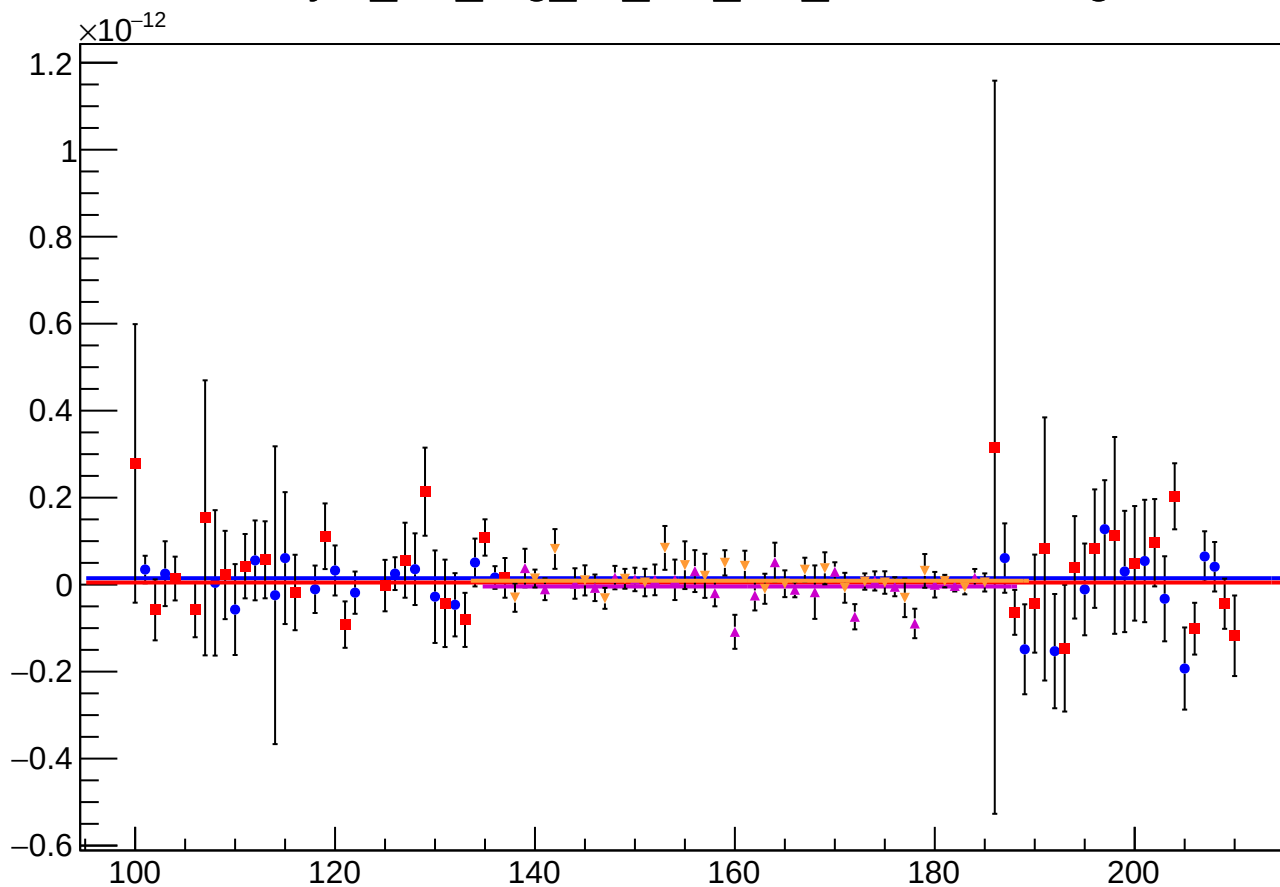
Left In: 1864.162+/-0.311 χ^2/NDF : 510600.5/22

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

All: 1668.701+/-0.143 χ^2/NDF : 4086371.1/10

- sign 1670.201+/-0.199 χ^2/NDF : 2218560.6/54

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:16.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.0/31

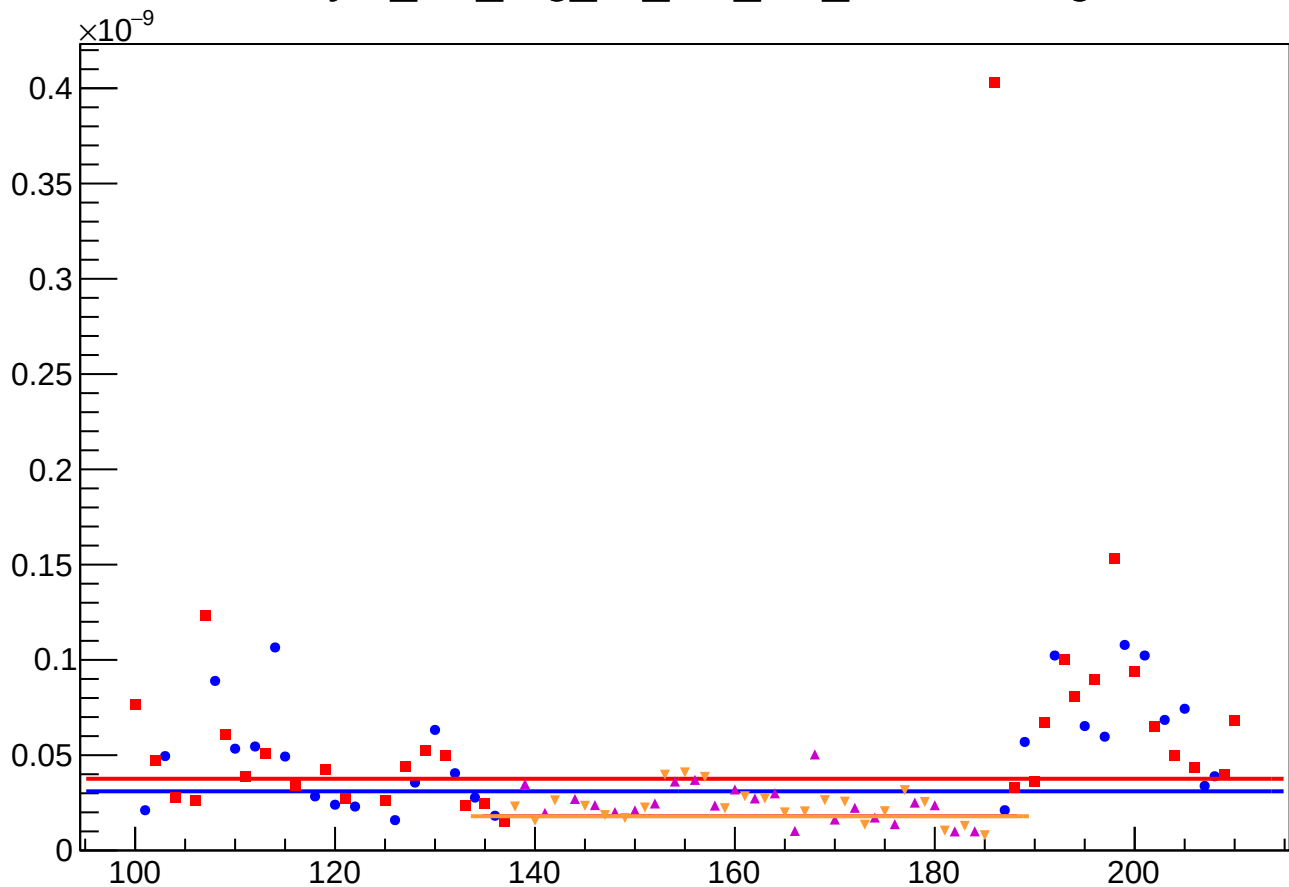
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:28.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.8/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 102.6/105

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 67.5/54

asym_usl_reg_vs_cor_diff_rms vs Slug



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

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

Right Out: 0.000+/-0.000 χ^2/NDF : 4204576.1/31

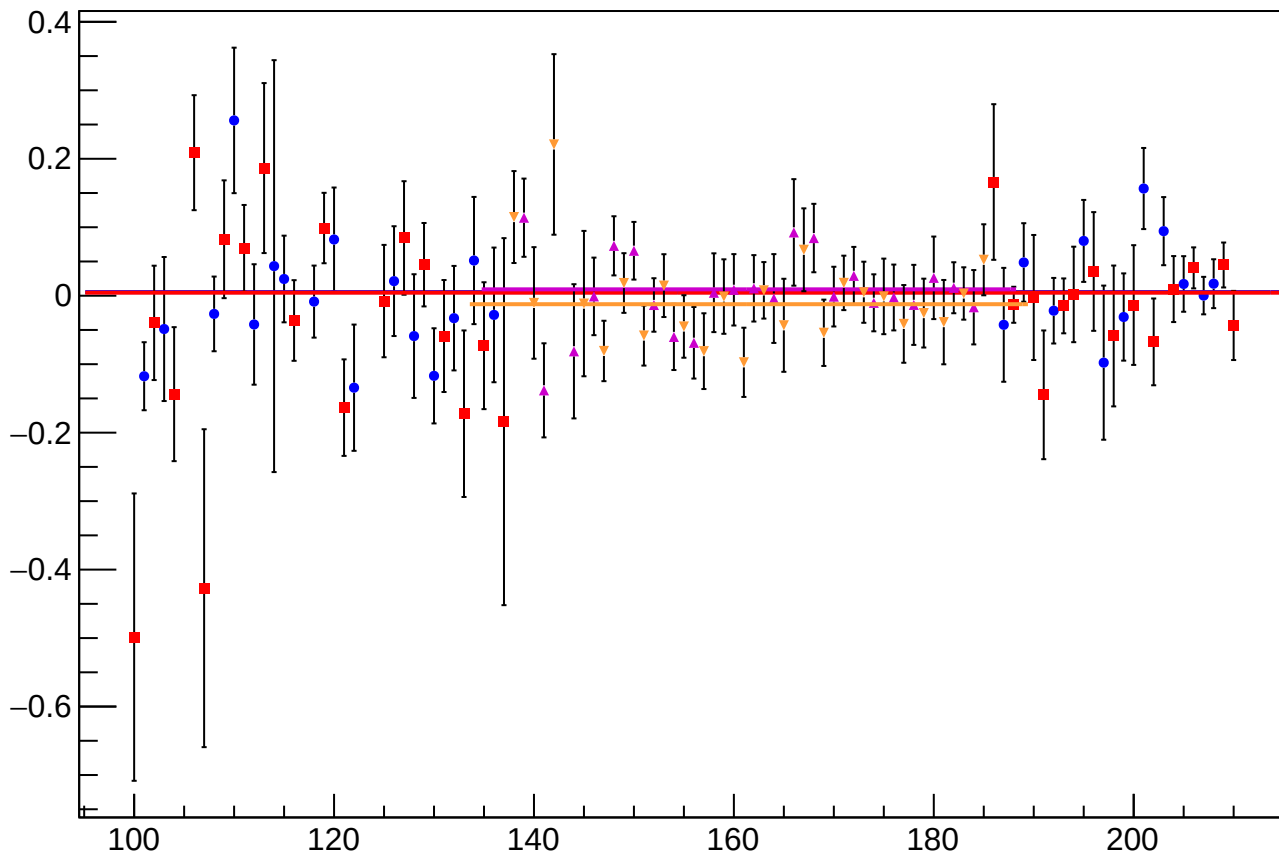
Left In: 0.000+/-0.000 χ^2/NDF : 4180182.9/22

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

All: 0.000+/-0.000 χ^2/NDF : 22479619.5/105

- sign 0.000+/-0.000 χ^2/NDF : 12017954.5/54

asym_usl_dit_vs_cor_diff_mean vs Slug



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

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

Right Out: 0.004 ± 0.011 χ^2/NDF : 47.5/31

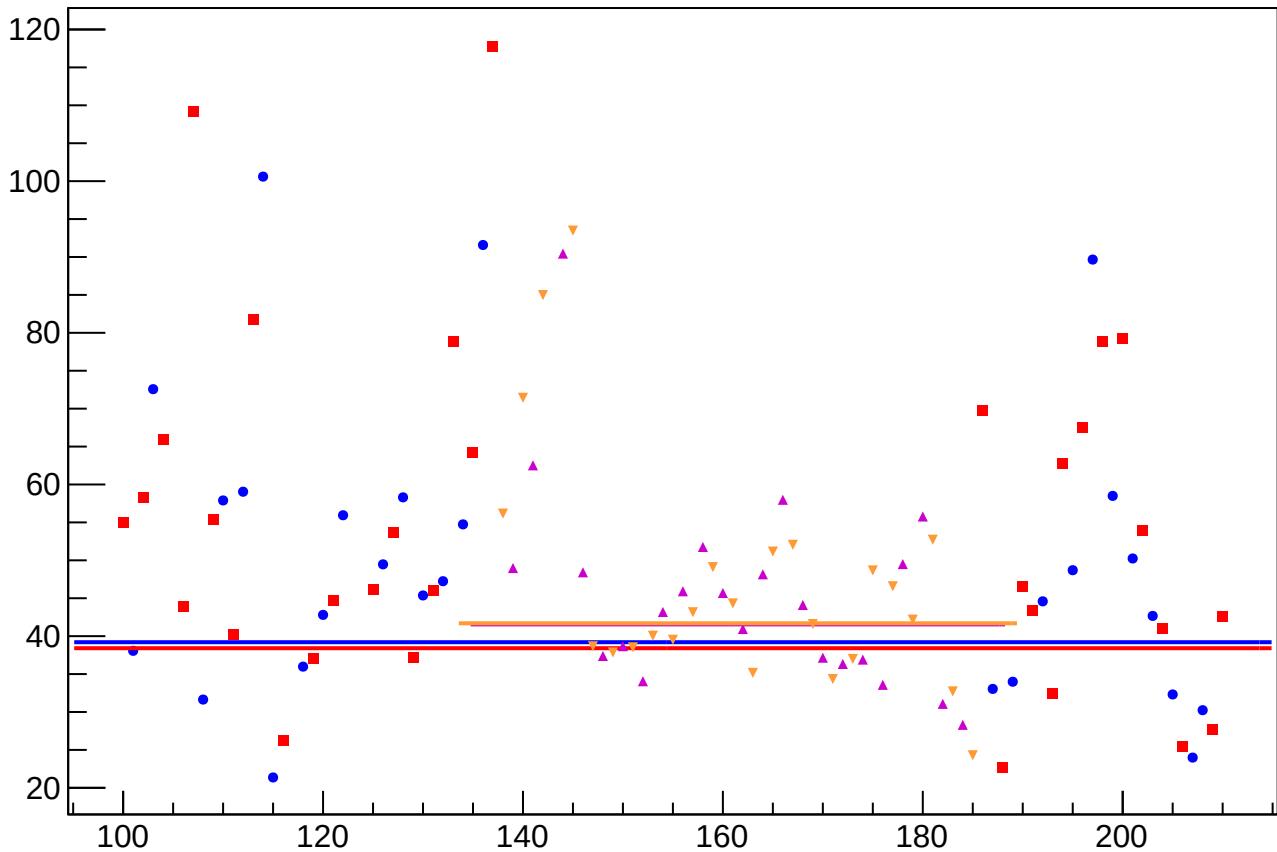
Left In: 0.009 ± 0.010 χ^2/NDF : 21.9/22

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

All: 0.001 ± 0.005 χ^2/NDF : 128.1/105

- sign 0.007 ± 0.007 χ^2/NDF : 69.5/54

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 39.202 $\pm$ 0.008 χ^2 /NDF: 3077320.0/26

Left Out: 41.694 $\pm$ 0.007 χ^2 /NDF:1821790.0/23

Right Out: 38.411 $\pm$ 0.008 χ^2 /NDF: 4427304.2/31

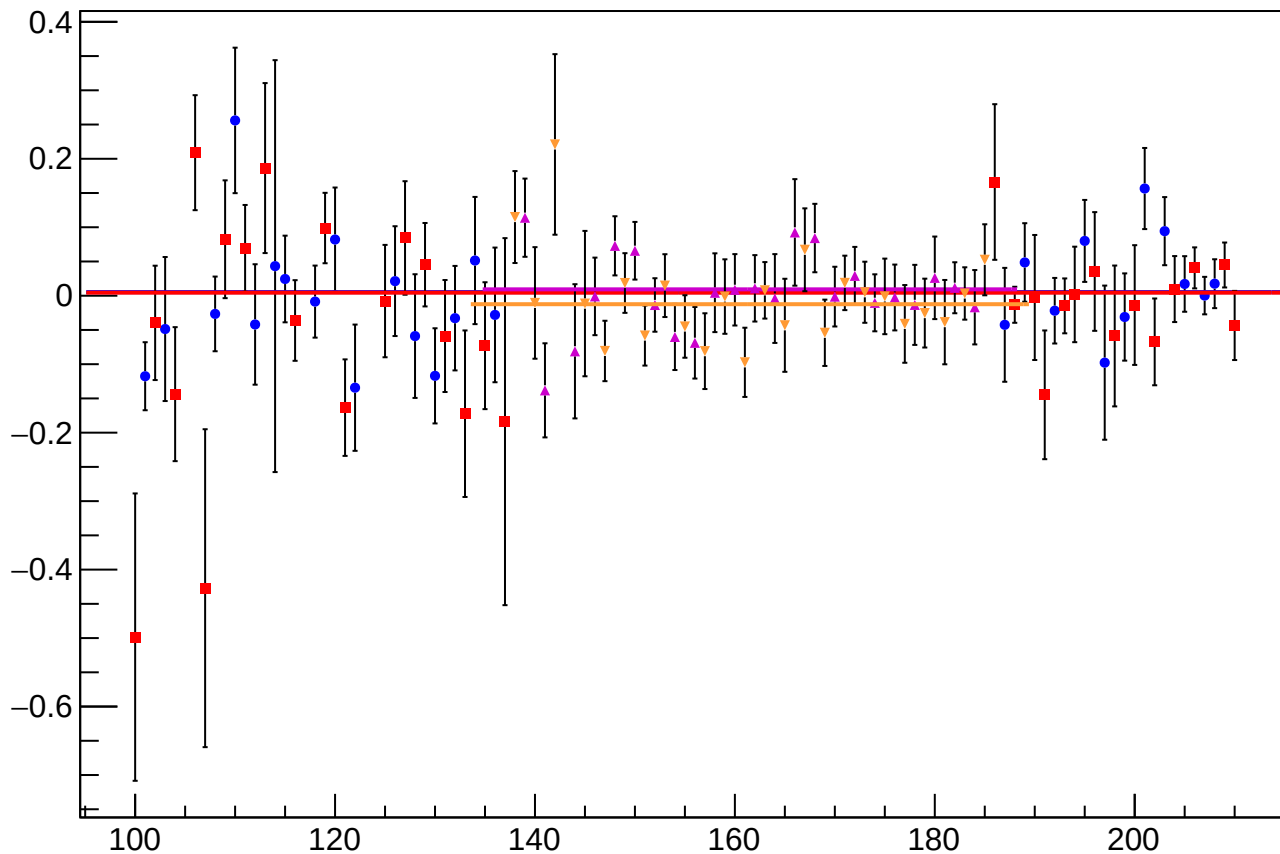
Left In: 41.550 $\pm$ 0.007 χ^2 /NDF:1612979.7/22

+ sign 40.547 $\pm$ 0.005 χ^2 /NDF: 4951059.2/50

All: 40.273 $\pm$ 0.004 χ^2 /NDF: 11084067.5/109

- sign 40.015 $\pm$ 0.005 χ^2 /NDF: 6128098.1/54

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.011 χ^2 /NDF: 34.2/26

Left Out: -0.012 $\pm$ 0.010 χ^2 /NDF:21.9/23

Right Out: 0.004 $\pm$ 0.011 χ^2 /NDF: 47.5/31

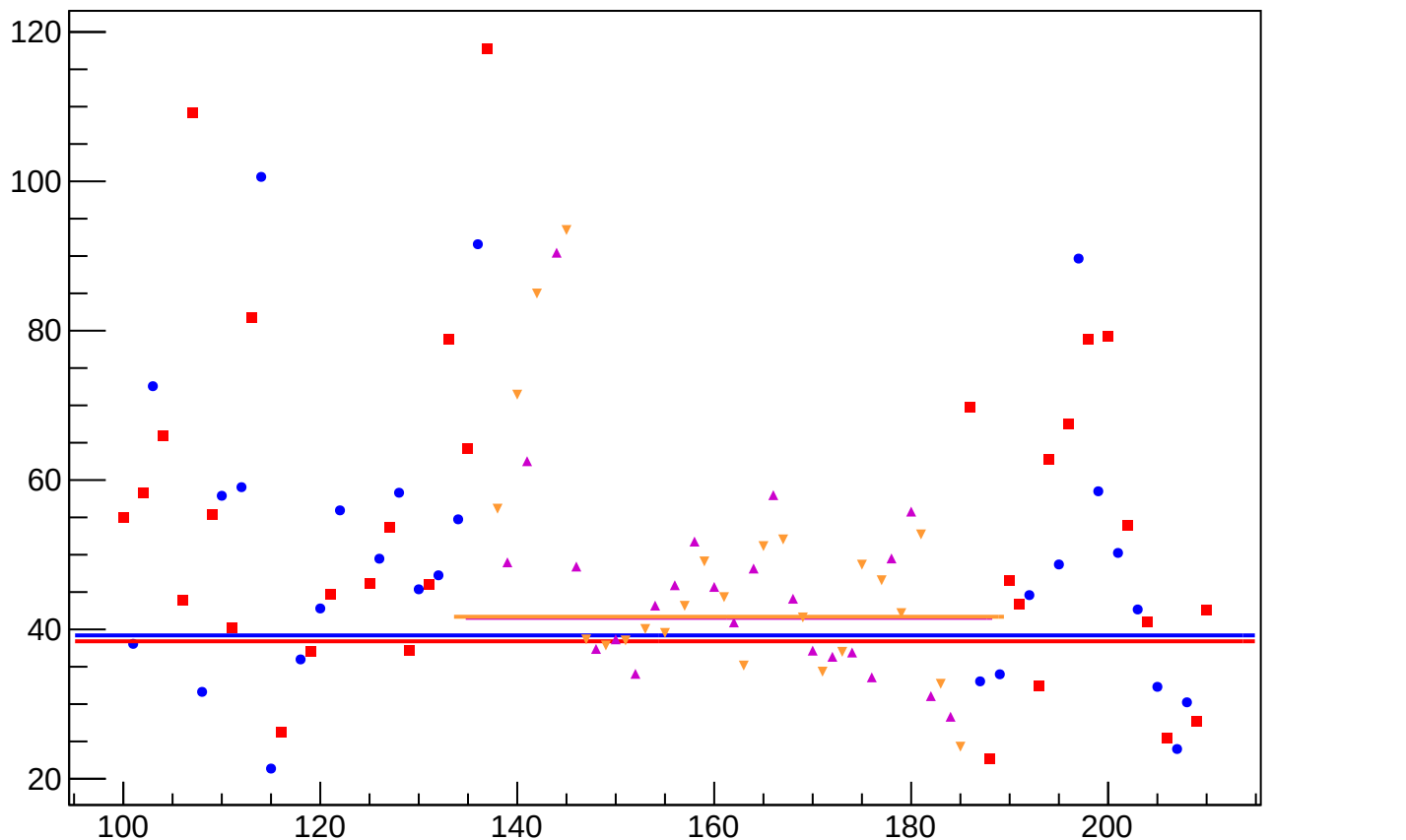
Left In: 0.009 $\pm$ 0.010 χ^2 /NDF:21.9/22

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

All: 0.001 $\pm$ 0.005 χ^2 /NDF: 128.1/105

- sign 0.007 $\pm$ 0.007 χ^2 /NDF: 69.5/54

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

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

Right Out: 38.411 ± 0.008 χ^2/NDF : 4427304.2/31

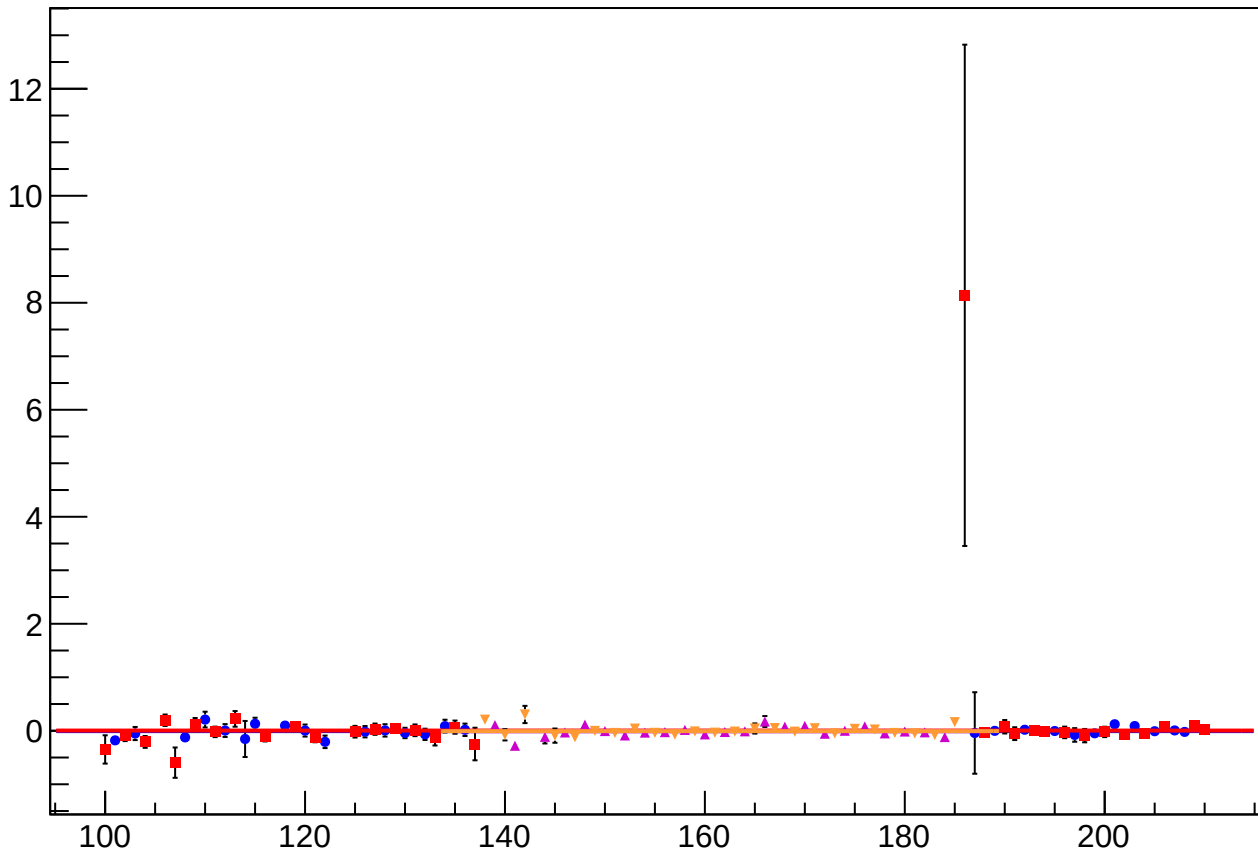
Left In: 41.550 ± 0.007 χ^2/NDF : 1612979.7/22

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

All: 40.273 ± 0.004 χ^2/NDF : 11084067.5/109

- sign 40.015 ± 0.005 χ^2/NDF : 6128098.1/54

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

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

Right Out: 0.004 ± 0.016 χ^2/NDF : 36.0/31

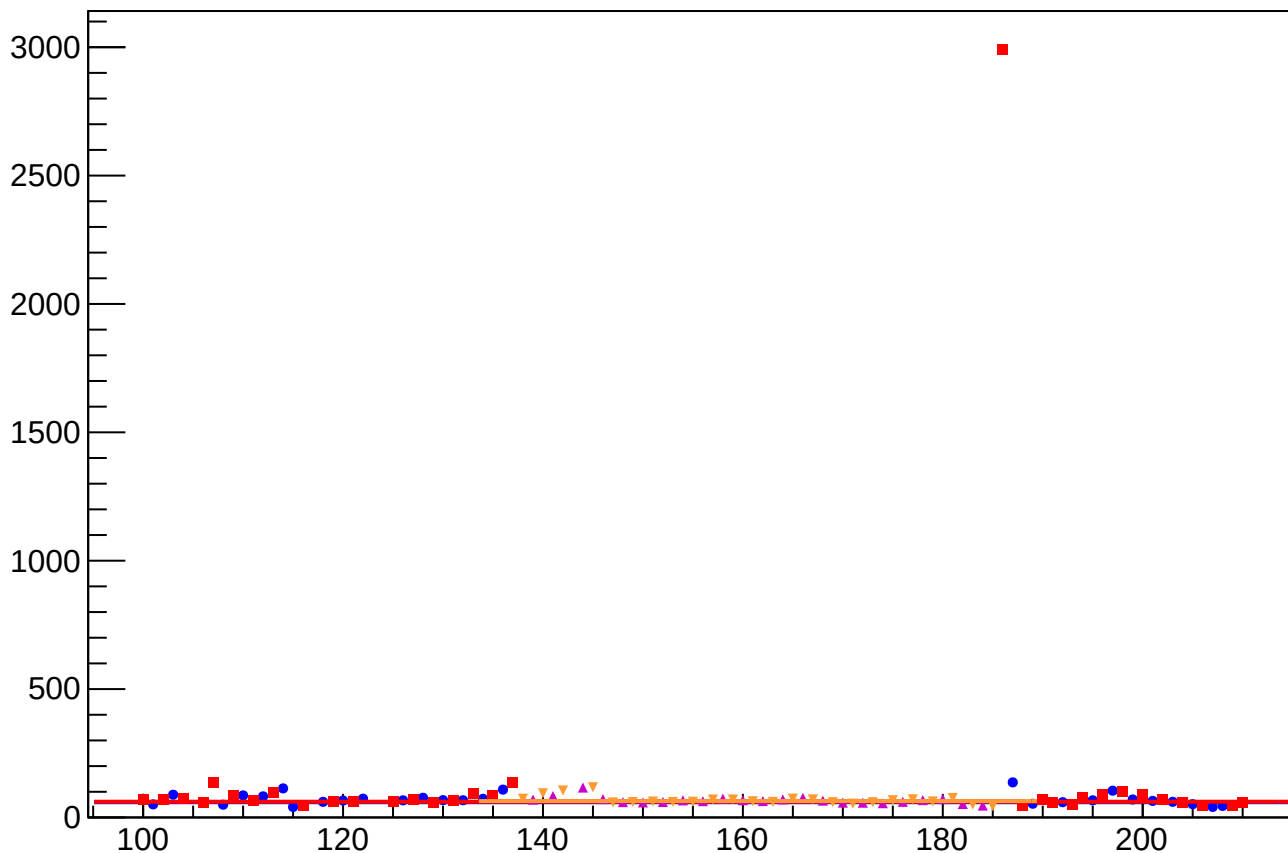
Left In: -0.008 ± 0.015 χ^2/NDF : 28.1/22

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

All: -0.004 ± 0.008 χ^2/NDF : 112.8/105

- sign -0.002 ± 0.011 χ^2/NDF : 64.5/54

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

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

Right Out: 61.287+/-0.011 χ^2/NDF : 2721050.5/31

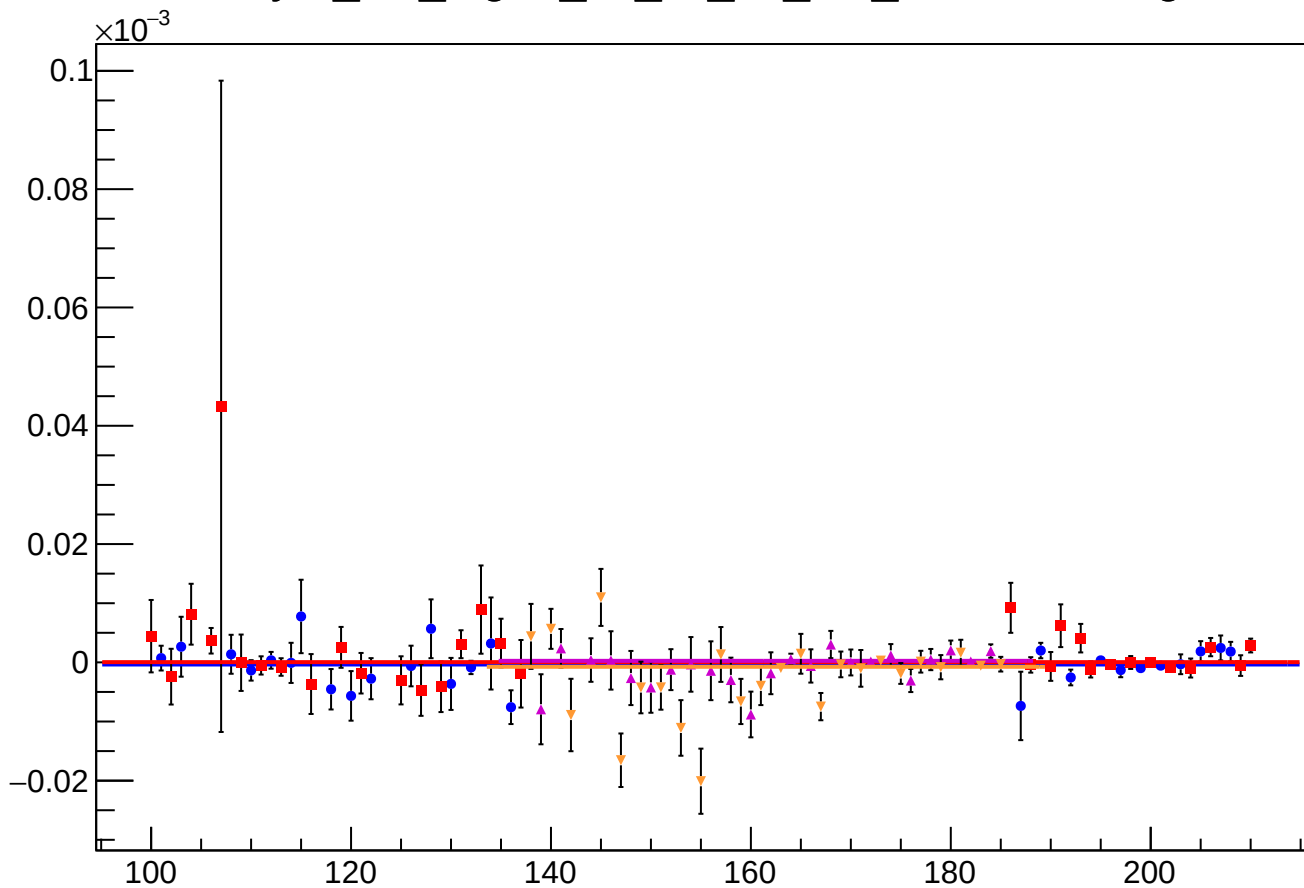
Left In: 64.036+/-0.011 χ^2/NDF : 838789.3/22

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

All: 62.201+/-0.006 χ^2/NDF : 6536504.5/105

- sign 62.691+/-0.008 χ^2/NDF : 3590647.9/54

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



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

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

Right Out: 0.000 ± 0.000 χ^2/NDF : 37.8/31

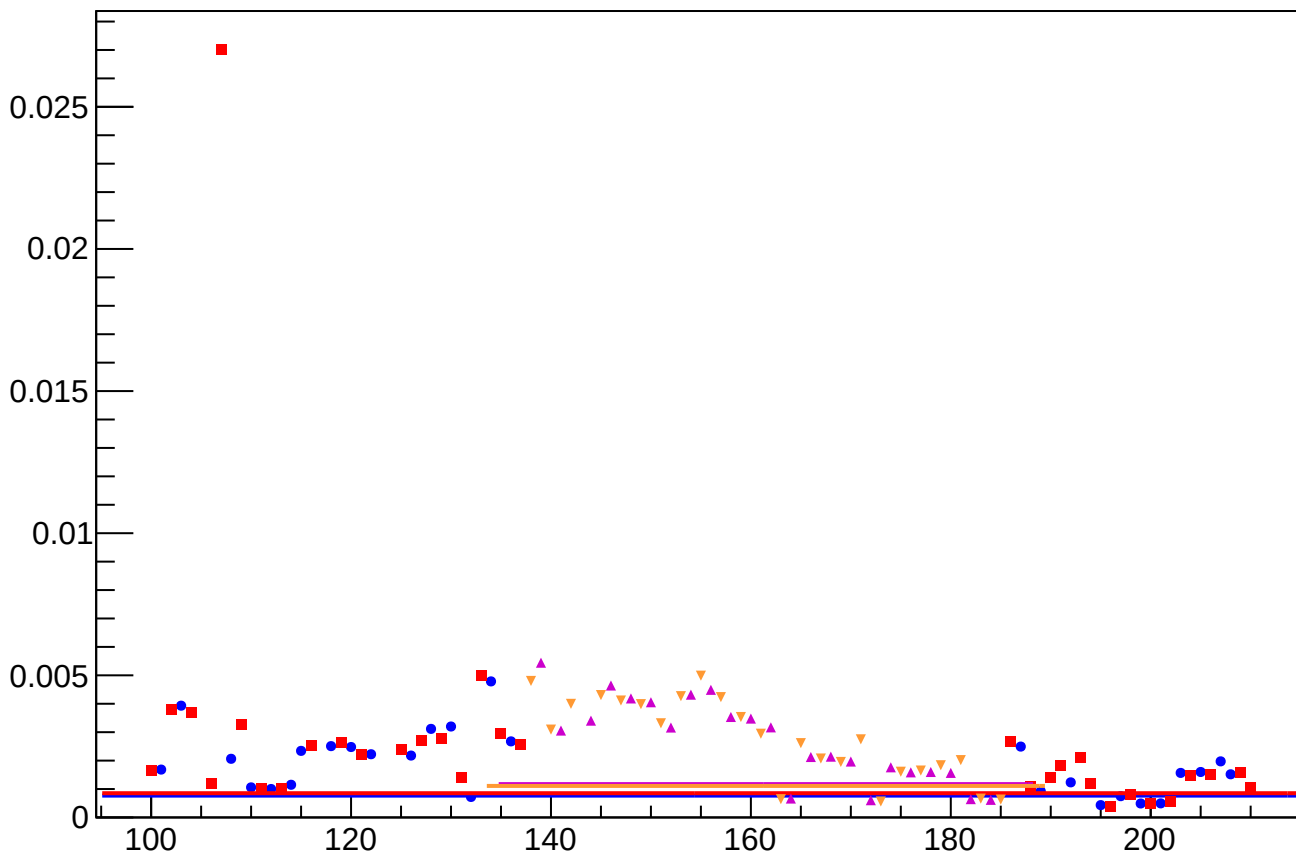
Left In: 0.000 ± 0.000 χ^2/NDF : 18.8/22

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

All: -0.000 ± 0.000 χ^2/NDF : 154.3/105

- sign 0.000 ± 0.000 χ^2/NDF : 56.8/54

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



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

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

Right Out: 0.001 ± 0.000 χ^2/NDF : 11014373.6/31

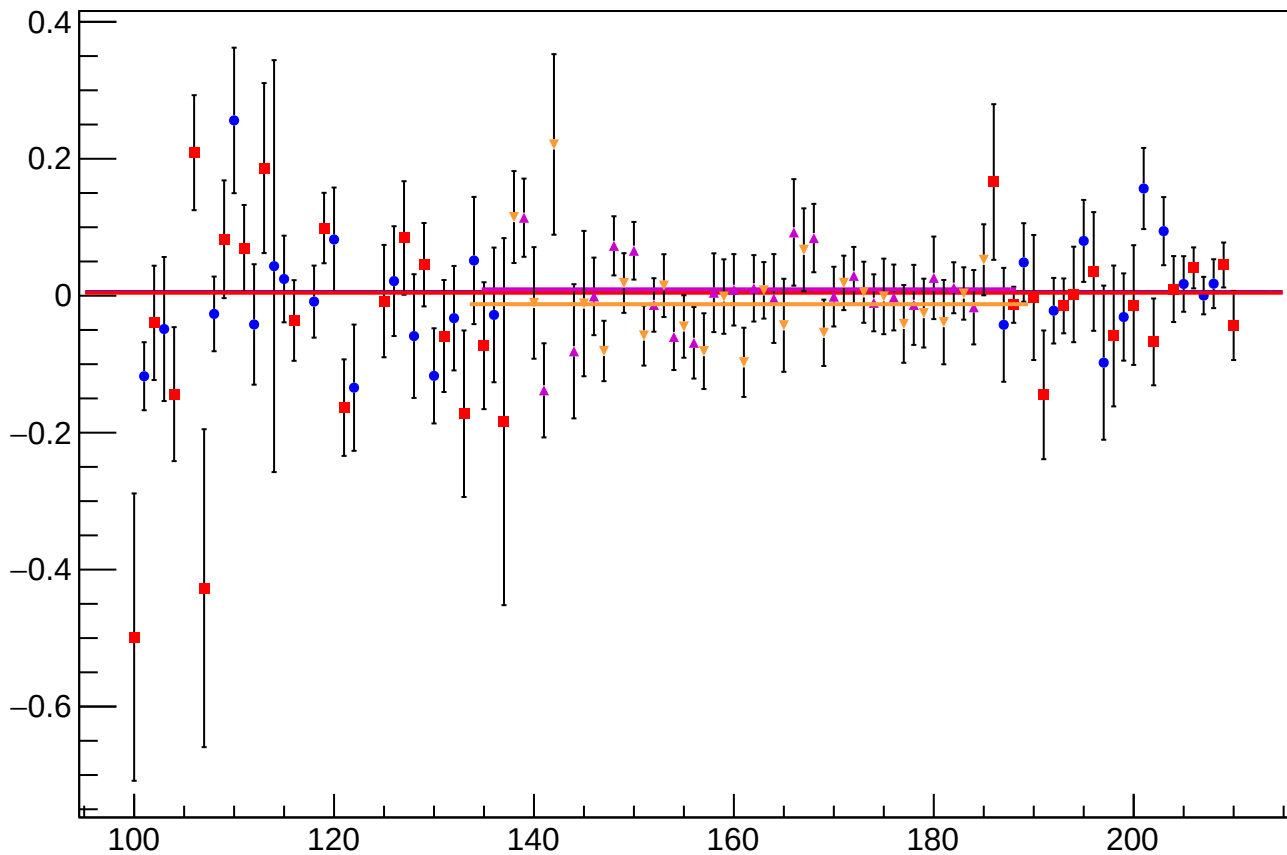
Left In: 0.001 ± 0.000 χ^2/NDF : 14252589.1/22

+ sign 0.001 ± 0.000 χ^2/NDF : 26592948.2/50

All: 0.001 ± 0.000 χ^2/NDF : 53047403.9/105

- sign 0.001 ± 0.000 χ^2/NDF : 26311209.4/54

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

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

Right Out: 0.004 ± 0.011 χ^2/NDF : 47.5/31

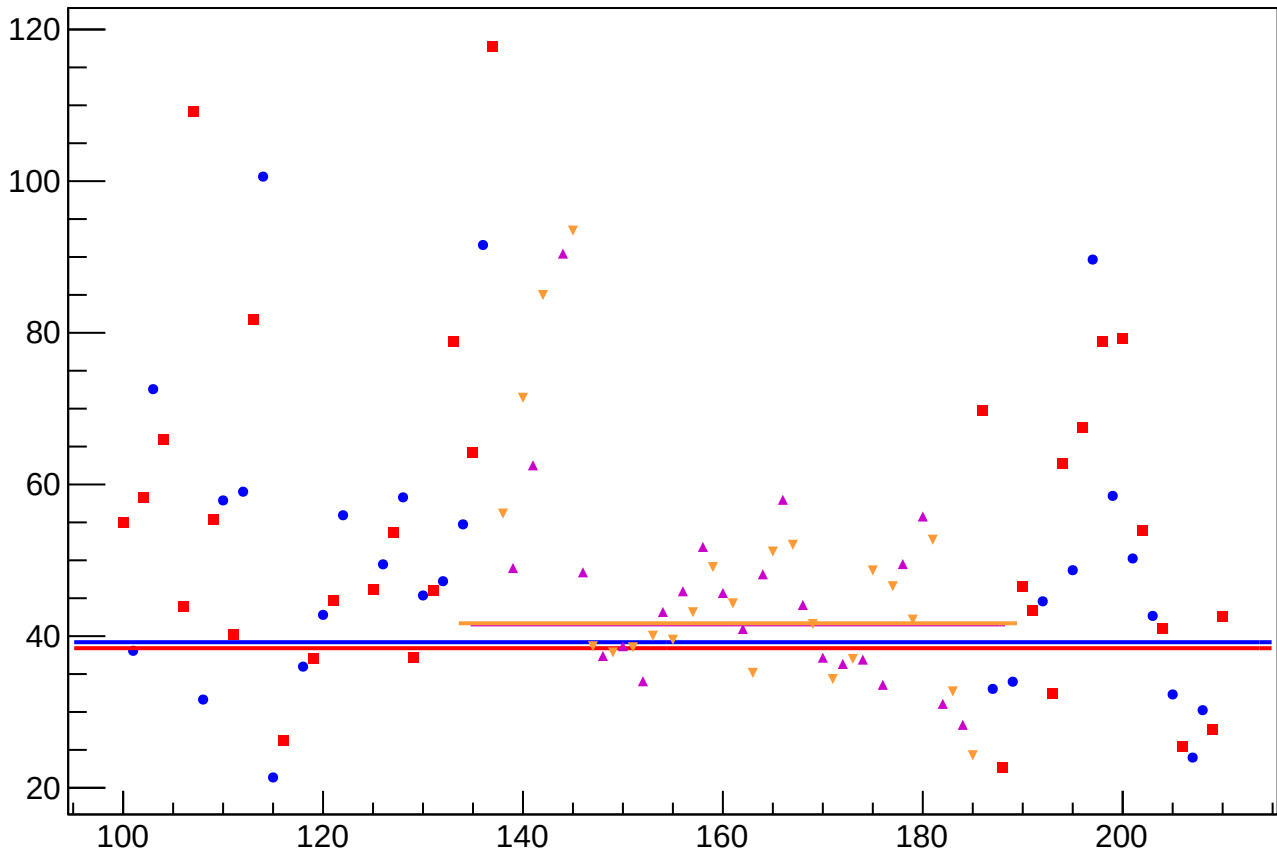
Left In: 0.009 ± 0.010 χ^2/NDF : 21.9/22

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

All: 0.001 ± 0.005 χ^2/NDF : 128.1/105

- sign 0.007 ± 0.007 χ^2/NDF : 69.5/54

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.202 ± 0.008 χ^2/NDF : 3077303.5/26

Left Out: 41.695 ± 0.007 χ^2/NDF : 1821753.6/23

Right Out: 38.410 ± 0.008 χ^2/NDF : 4427198.5/31

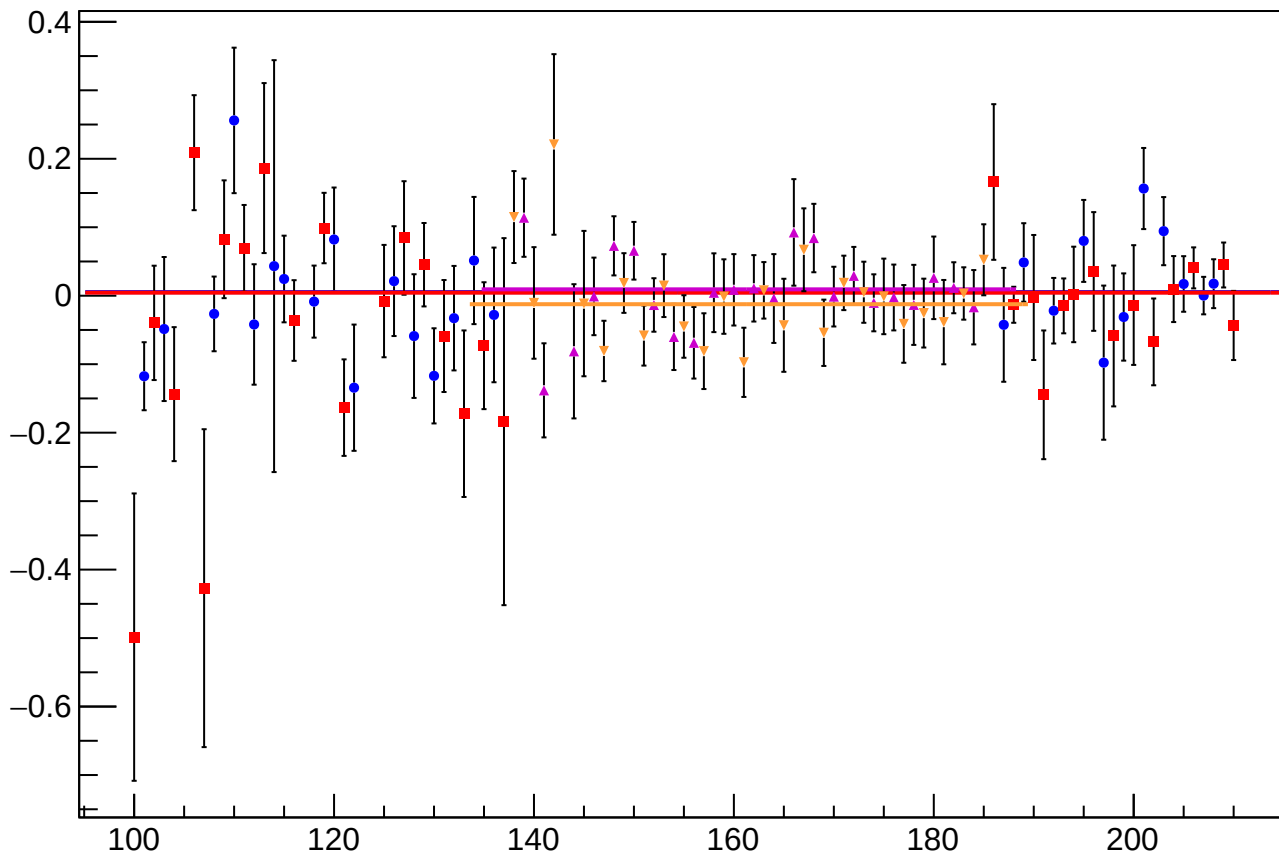
Left In: 41.551 ± 0.007 χ^2/NDF : 1612941.1/22

+ sign 40.547 ± 0.005 χ^2/NDF : 4951019.2/50

All: 40.273 ± 0.004 χ^2/NDF : 11083901.0/109

- sign 40.015 ± 0.005 χ^2/NDF : 6127973.8/54

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

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

Right Out: 0.004 ± 0.011 χ^2/NDF : 47.5/31

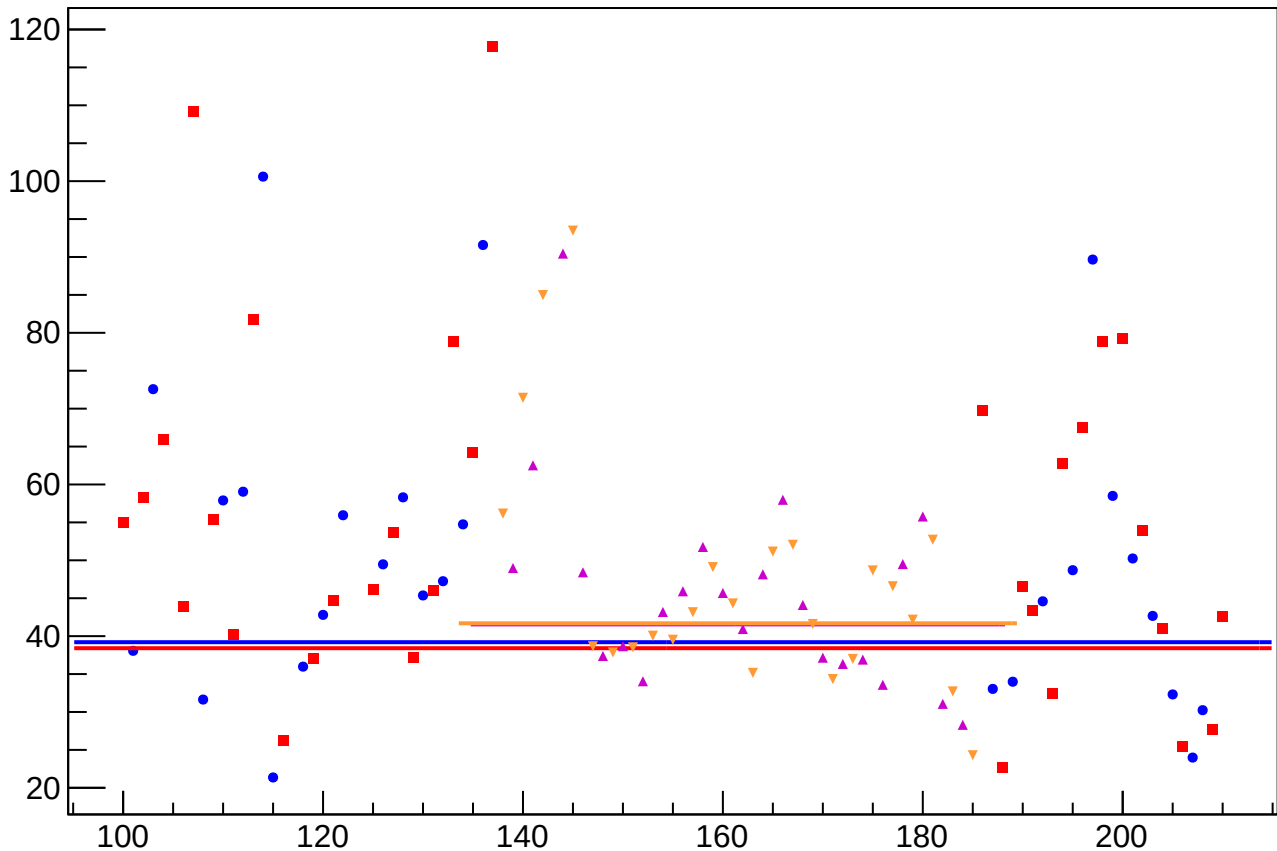
Left In: 0.009 ± 0.010 χ^2/NDF : 21.9/22

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

All: 0.001 ± 0.005 χ^2/NDF : 128.1/105

- sign 0.007 ± 0.007 χ^2/NDF : 69.5/54

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.202 $\pm$ 0.008 χ^2 /NDF: 3077303.5/26

Left Out: 41.695 $\pm$ 0.007 χ^2 /NDF:1821753.6/23

Right Out: 38.410 $\pm$ 0.008 χ^2 /NDF: 4427198.5/31

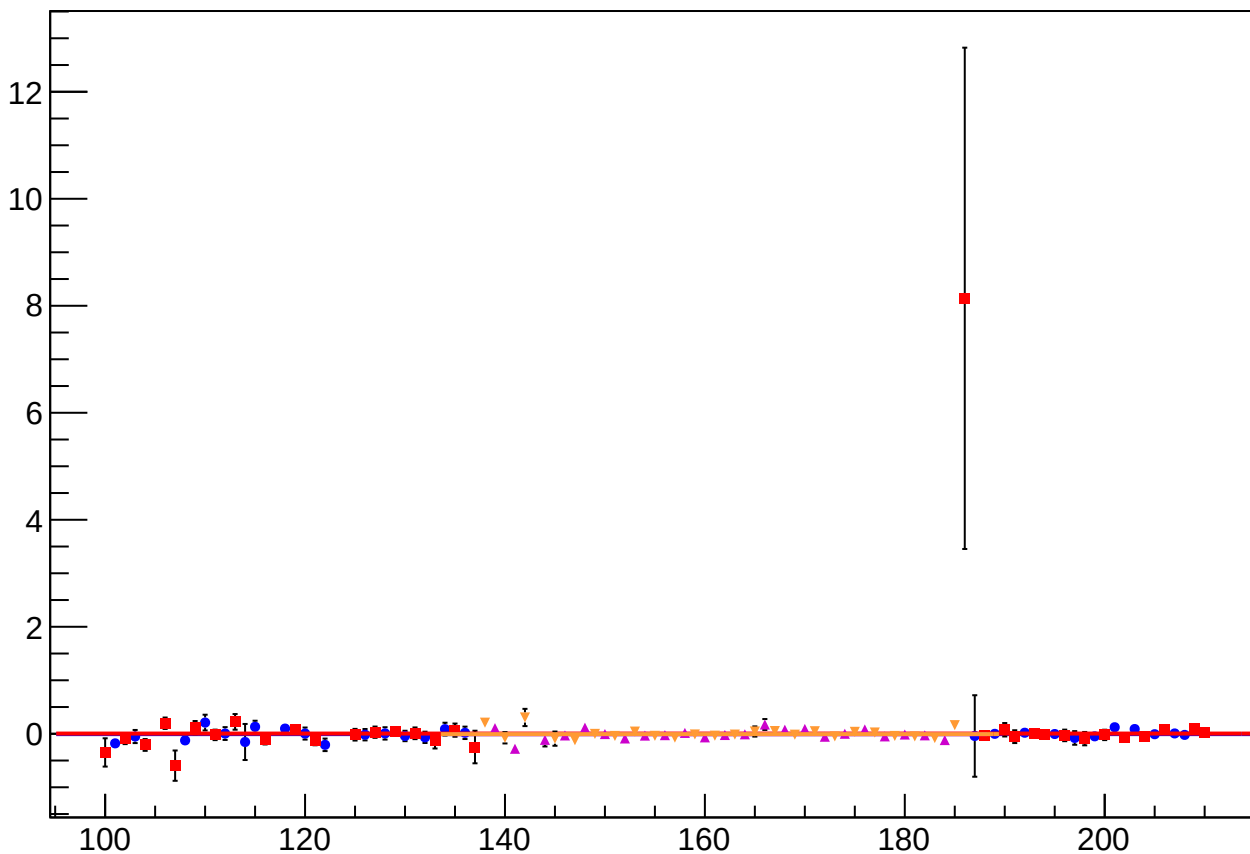
Left In: 41.551 $\pm$ 0.007 χ^2 /NDF:1612941.1/22

+ sign 40.547 $\pm$ 0.005 χ^2 /NDF: 4951019.2/50

All: 40.273 $\pm$ 0.004 χ^2 /NDF: 11083901.0/109

- sign 40.015 $\pm$ 0.005 χ^2 /NDF: 6127973.8/54

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



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

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

Right Out: 0.004 ± 0.016 χ^2/NDF : 36.0/31

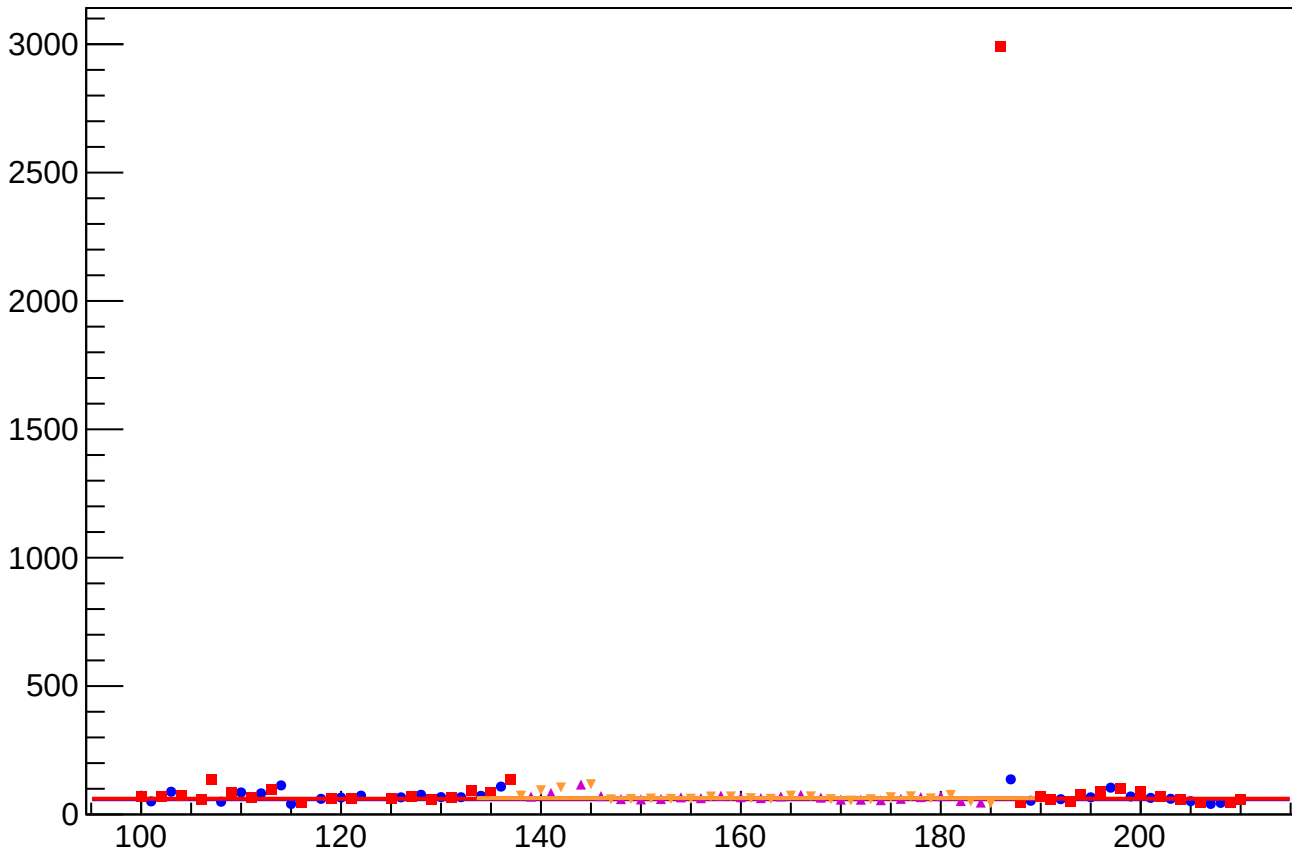
Left In: -0.008 ± 0.015 χ^2/NDF : 28.1/22

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

All: -0.004 ± 0.008 χ^2/NDF : 112.8/105

- sign -0.002 ± 0.011 χ^2/NDF : 64.5/54

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 59.387 $\pm$ 0.011 χ^2 /NDF: 1782188.8/26

Left Out: 63.779 $\pm$ 0.011 χ^2 /NDF: 1078810.5/23

Right Out: 61.287 $\pm$ 0.011 χ^2 /NDF: 2721024.0/31

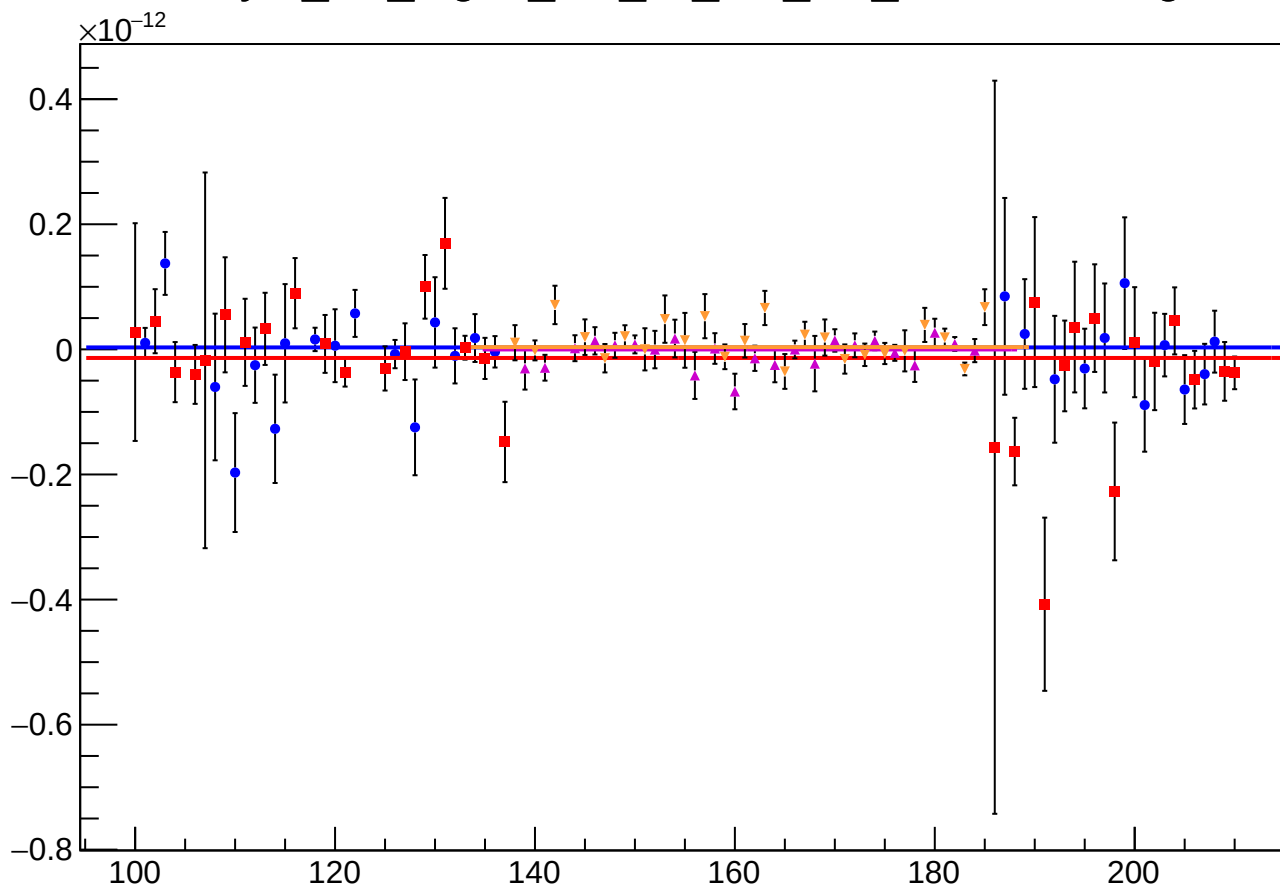
Left In: 64.036 $\pm$ 0.011 χ^2 /NDF: 838784.5/22

+ sign 61.700 $\pm$ 0.008 χ^2 /NDF: 2937911.0/50

All: 62.200 $\pm$ 0.006 χ^2 /NDF: 6536467.8/105

- sign 62.691 $\pm$ 0.008 χ^2 /NDF: 3590625.1/54

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 26.3/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 40.6/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 48.3/31

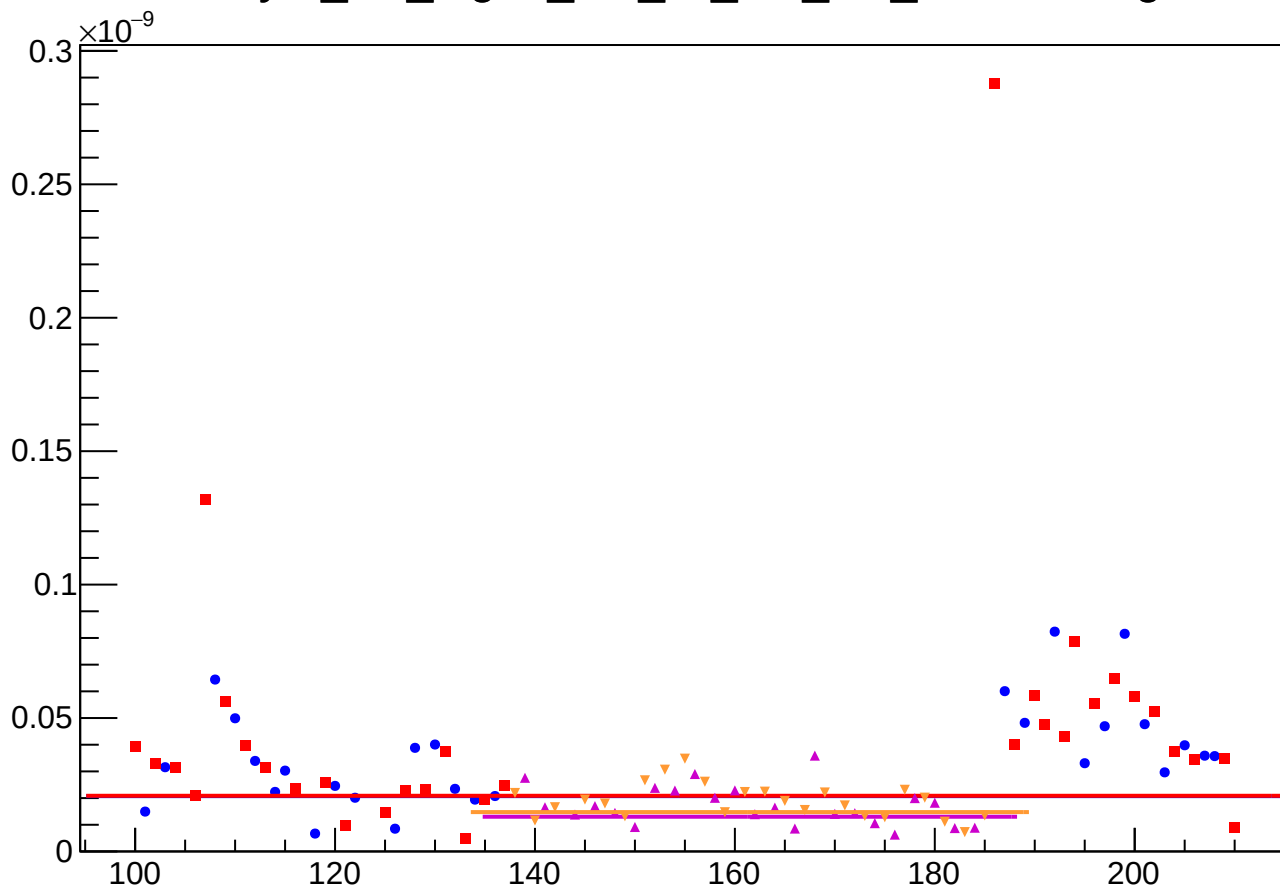
Left In: -0.000 ± 0.000 χ^2/NDF : 17.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 66.9/50

All: 0.000 ± 0.000 χ^2/NDF : 135.9/105

- sign -0.000 ± 0.000 χ^2/NDF : 67.6/54

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5706256.2/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 7067850.8/31

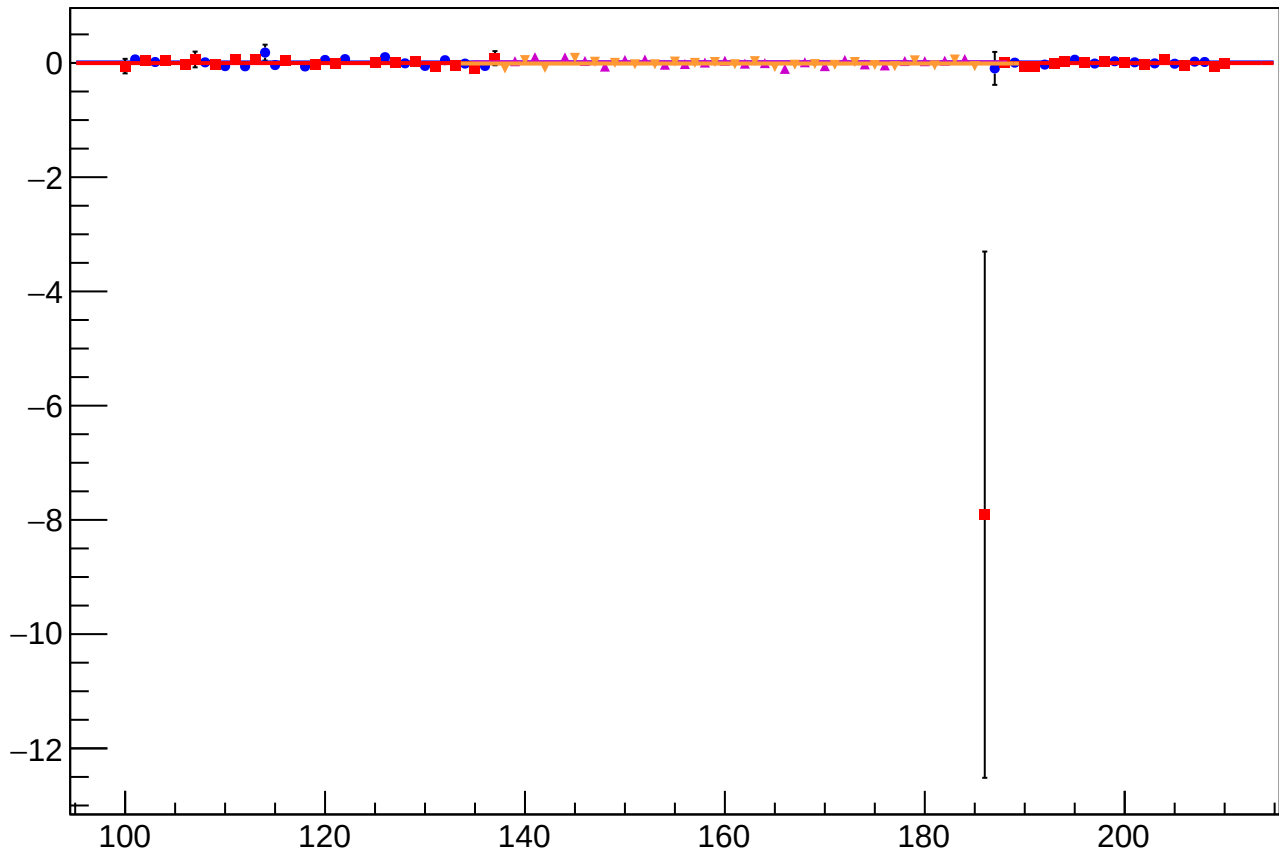
Left In: 0.000+/-0.000 χ^2/NDF : 3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 10040781.3/50

All: 0.000+/-0.000 χ^2/NDF : 22631686.0/105

- sign 0.000+/-0.000 χ^2/NDF : 12425517.2/54

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.008 χ^2/NDF : 19.5/26

Left Out: -0.010+/-0.009 χ^2/NDF : 19.4/23

Right Out: -0.003+/-0.008 χ^2/NDF : 28.2/31

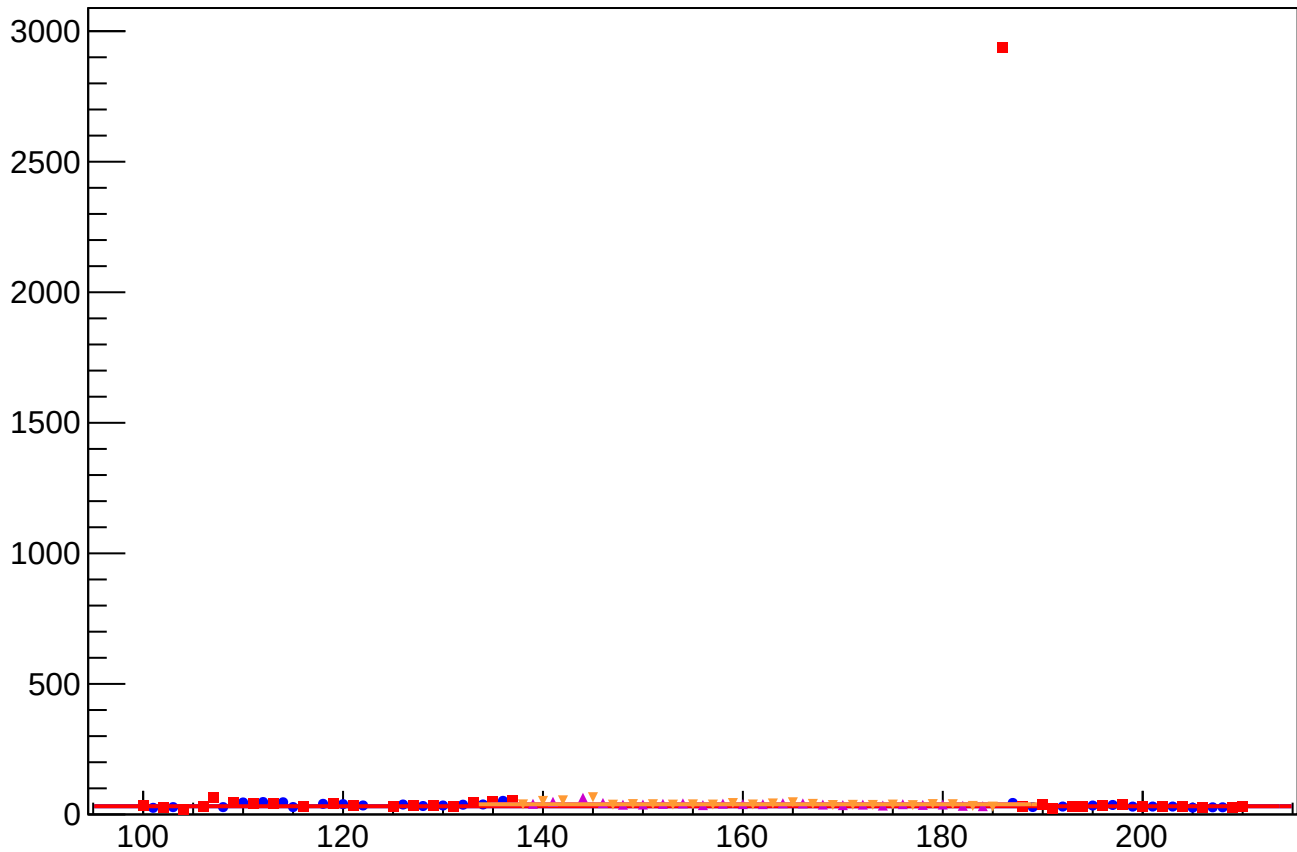
Left In: 0.011+/-0.010 χ^2/NDF : 23.3/22

+ sign 0.001+/-0.006 χ^2/NDF : 41.2/50

All: 0.002+/-0.004 χ^2/NDF : 93.9/105

- sign 0.003+/-0.006 χ^2/NDF : 52.7/54

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 31.430+/-0.006 χ^2/NDF : 917150.3/26

Left Out: 38.972+/-0.007 χ^2/NDF : 624525.1/23

Right Out: 31.424+/-0.006 χ^2/NDF : 1986234.1/31

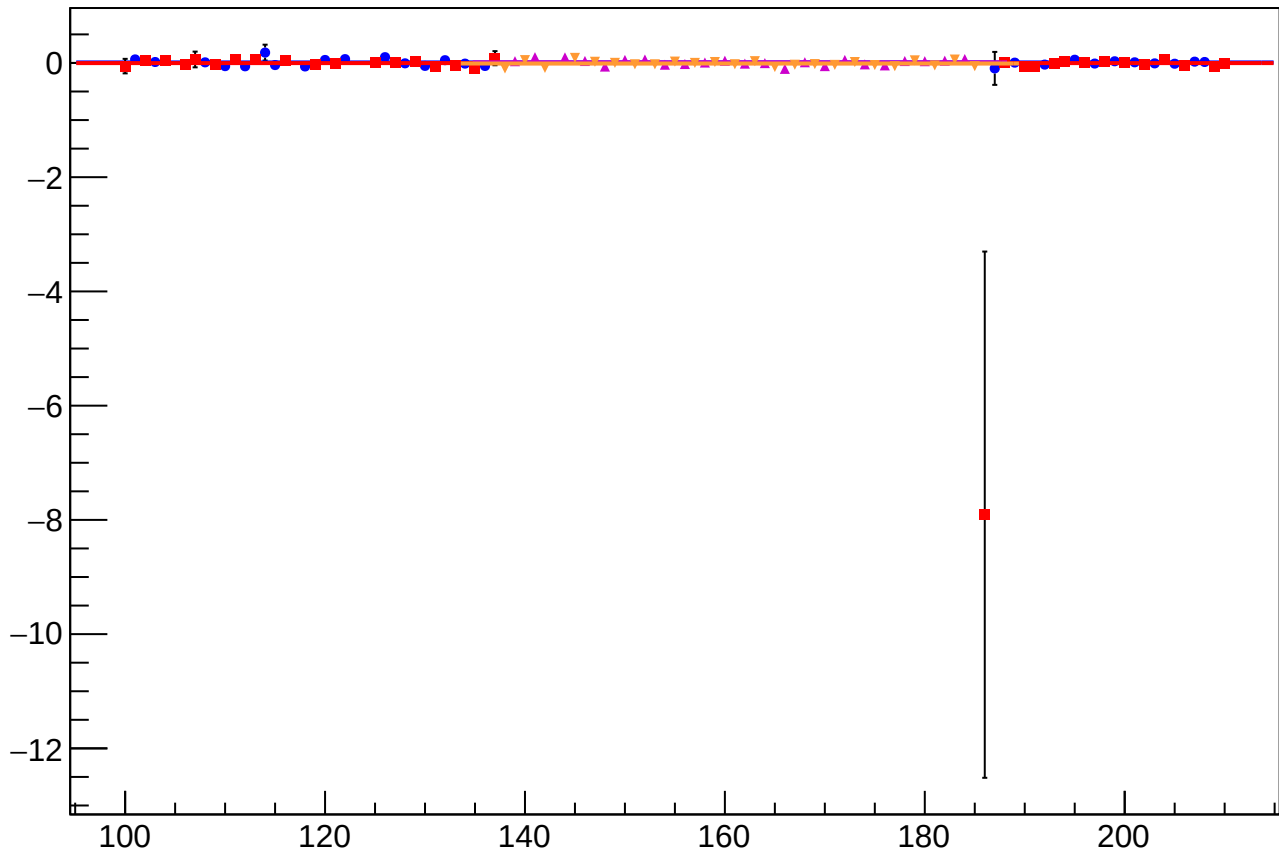
Left In: 39.179+/-0.007 χ^2/NDF : 521827.1/22

+ sign 34.775+/-0.004 χ^2/NDF : 2248571.1/50

All: 34.691+/-0.003 χ^2/NDF : 5532188.9/105

- sign 34.613+/-0.004 χ^2/NDF : 3282938.7/54

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.008 χ^2/NDF : 19.5/26

Left Out: -0.010+/-0.009 χ^2/NDF : 19.4/23

Right Out: -0.003+/-0.008 χ^2/NDF : 28.2/31

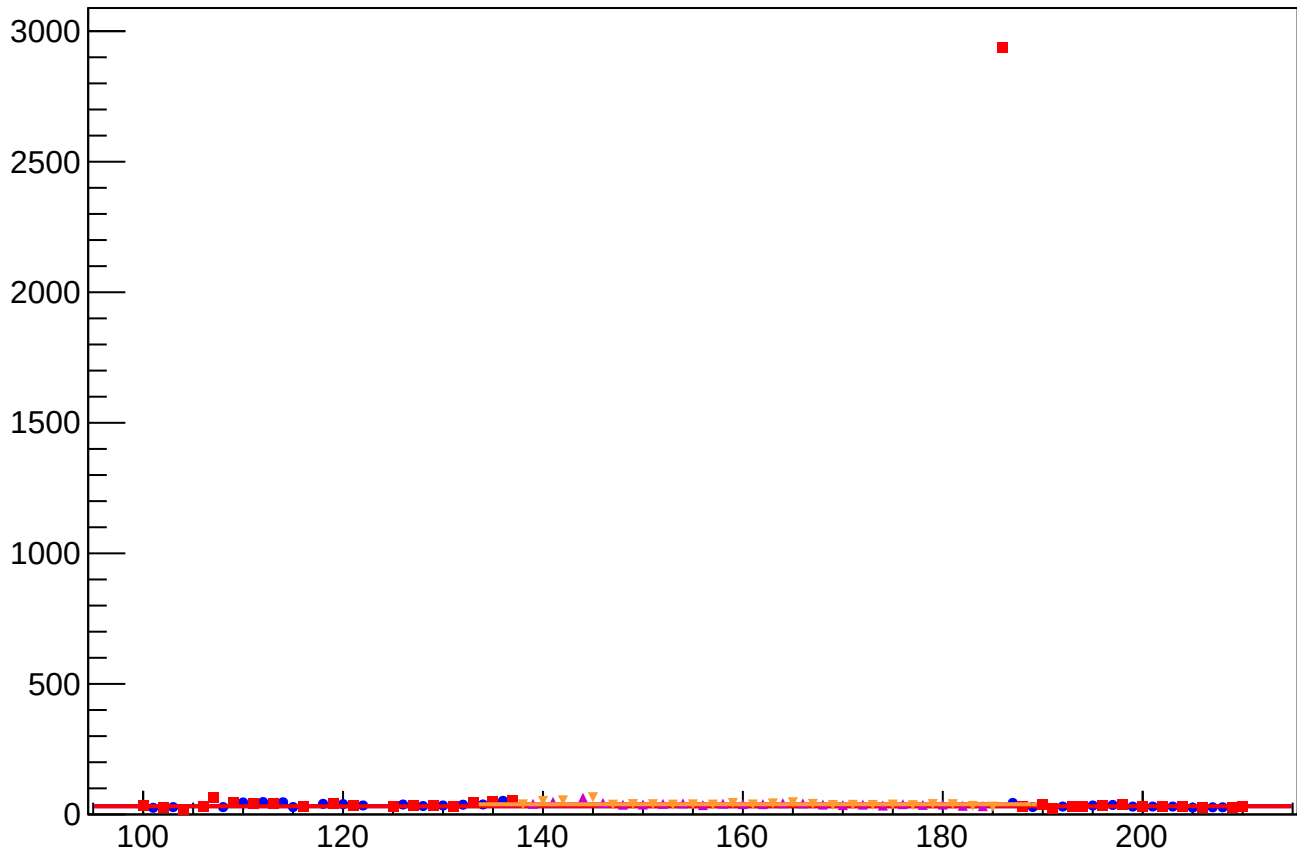
Left In: 0.011+/-0.010 χ^2/NDF : 23.3/22

+ sign 0.001+/-0.006 χ^2/NDF : 41.2/50

All: 0.002+/-0.004 χ^2/NDF : 93.9/105

- sign 0.003+/-0.006 χ^2/NDF : 52.7/54

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 31.430+/-0.006 χ^2/NDF : 917150.3/26

Left Out: 38.972+/-0.007 χ^2/NDF : 624525.1/23

Right Out: 31.424+/-0.006 χ^2/NDF : 1986234.1/31

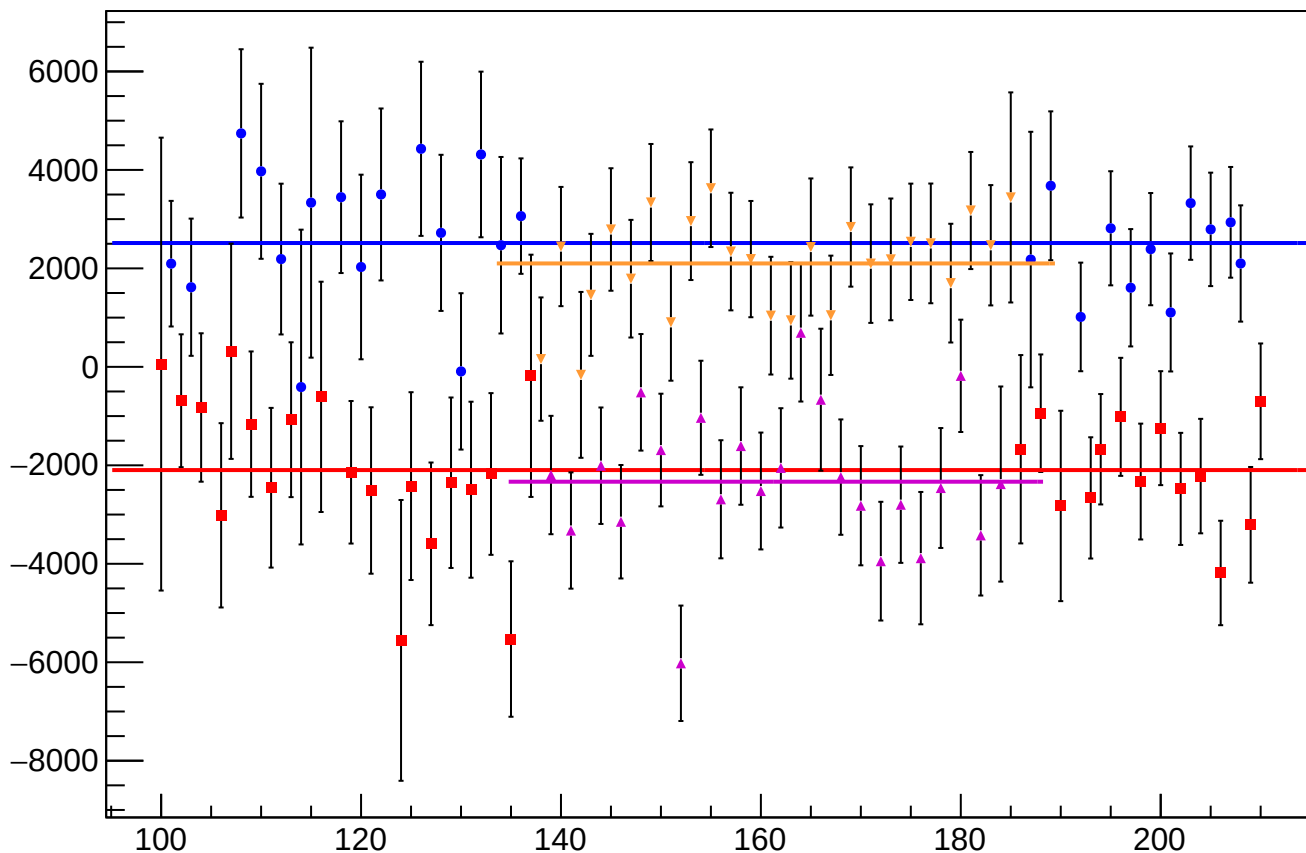
Left In: 39.179+/-0.007 χ^2/NDF : 521827.1/22

+ sign 34.775+/-0.004 χ^2/NDF : 2248571.1/50

All: 34.691+/-0.003 χ^2/NDF : 5532188.9/105

- sign 34.613+/-0.004 χ^2/NDF : 3282938.7/54

reg_asym_usr_mean vs Slug



Right In: 2515.293 ± 274.283 $\chi^2/\text{NDF}: 15.2/26$

Left Out: 2100.398 ± 248.306 $\chi^2/\text{NDF}: 13.8/24$

Right Out: -2096.457 ± 259.539 $\chi^2/\text{NDF}: 21.7/31$

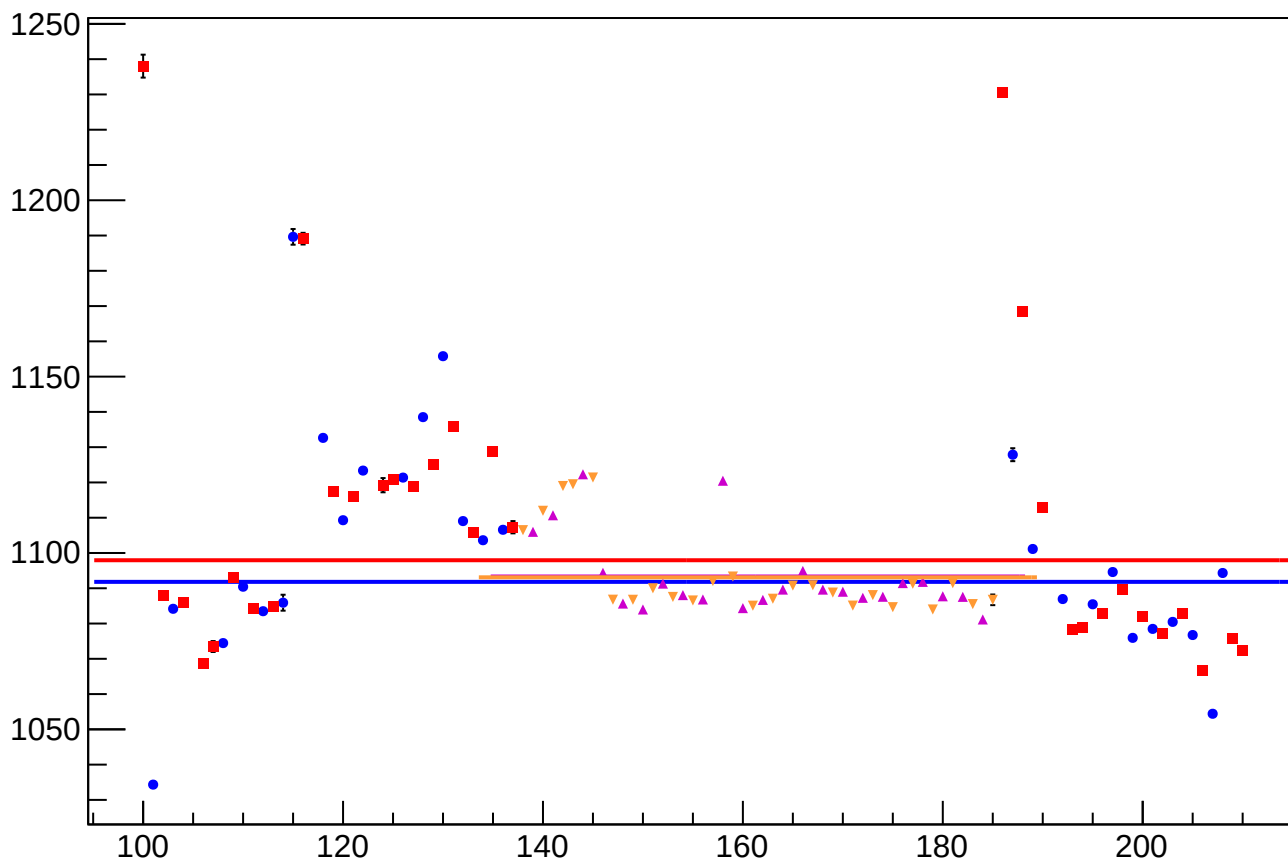
Left In: -2332.954 ± 255.284 $\chi^2/\text{NDF}: 29.5/22$

+ sign 2287.274 ± 184.079 $\chi^2/\text{NDF}: 30.2/51$

All: 9.714 ± 129.422 $\chi^2/\text{NDF}: 384.6/106$

- sign -2216.660 ± 181.999 $\chi^2/\text{NDF}: 51.6/54$

reg_asym_usr_rms vs Slug



Right In: 1091.814 $\pm$ 0.194 χ^2 /NDF: 18675.4/26

Left Out: 1093.102 $\pm$ 0.176 χ^2 /NDF: 3983.2/24

Right Out: 1097.944 $\pm$ 0.184 χ^2 /NDF: 32711.4/31

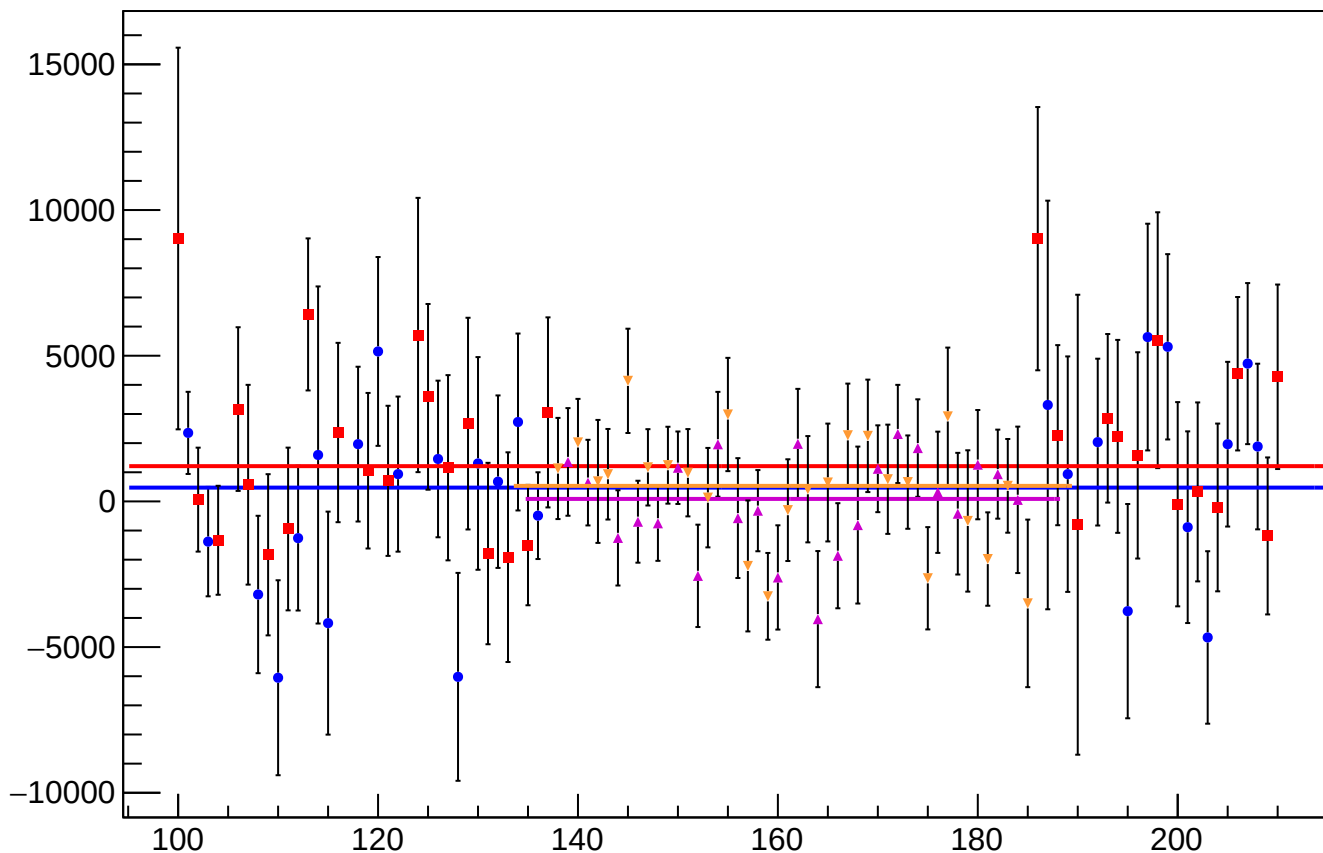
Left In: 1093.338 $\pm$ 0.181 χ^2 /NDF: 3725.7/22

+ sign 1092.522 $\pm$ 0.130 χ^2 /NDF: 22682.8/51

All: 1094.080 $\pm$ 0.092 χ^2 /NDF: 59723.3/106

- sign 1095.603 $\pm$ 0.129 χ^2 /NDF: 36757.2/54

asym_usr_reg_correction_mean vs Slug



Right In: 473.296 ± 523.681 χ^2/NDF : 29.3/26

Left Out: 532.982 ± 347.223 χ^2/NDF : 26.4/24

Right Out: 1209.971 ± 522.225 χ^2/NDF : 23.7/31

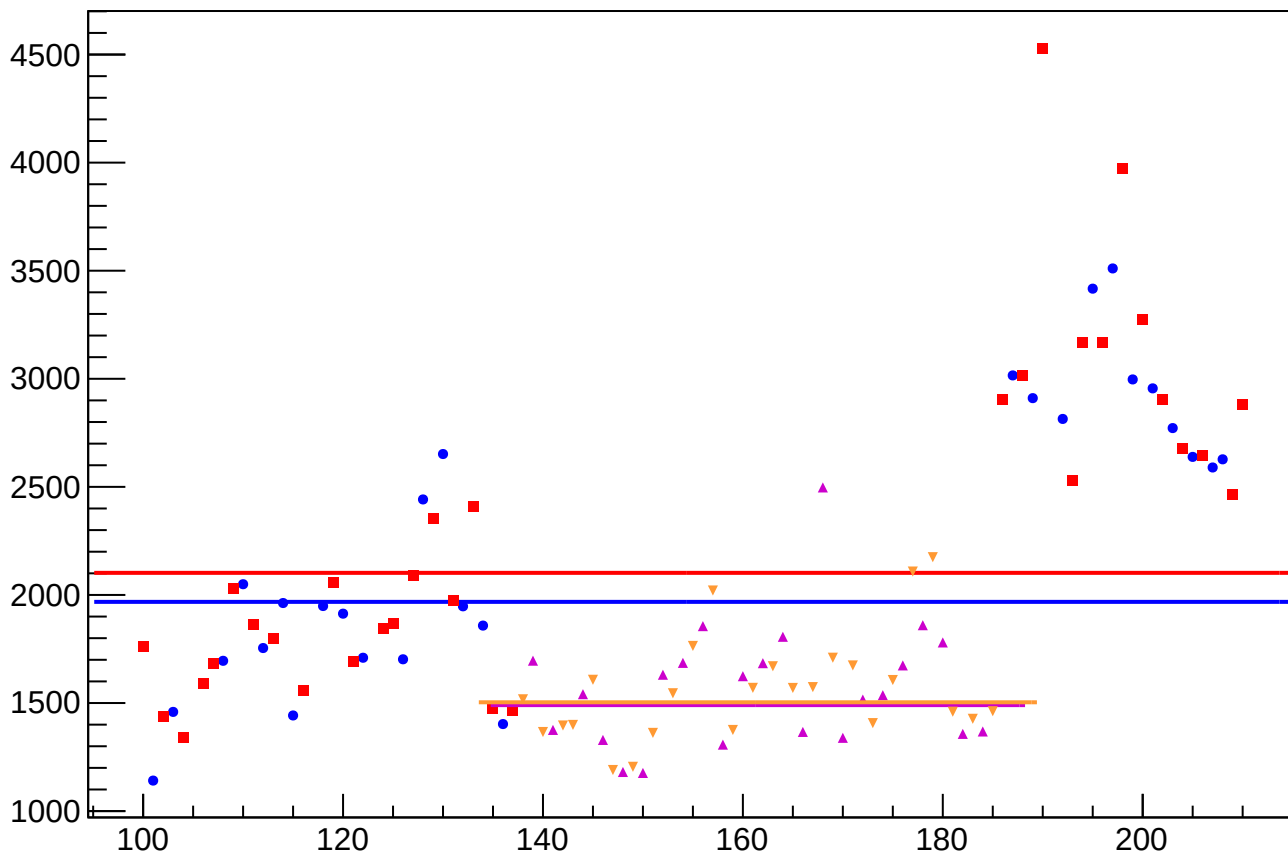
Left In: 85.329 ± 353.933 χ^2/NDF : 18.1/22

+ sign 514.755 ± 289.390 χ^2/NDF : 55.7/51

All: 477.501 ± 205.889 χ^2/NDF : 100.7/106

- sign 439.316 ± 292.984 χ^2/NDF : 45.0/54

asym_usr_reg_correction_rms vs Slug



Right In: 1967.987+/-0.370 χ^2/NDF : 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF : 799670.9/24

Right Out: 2102.229+/-0.369 χ^2/NDF : 3079390.2/31

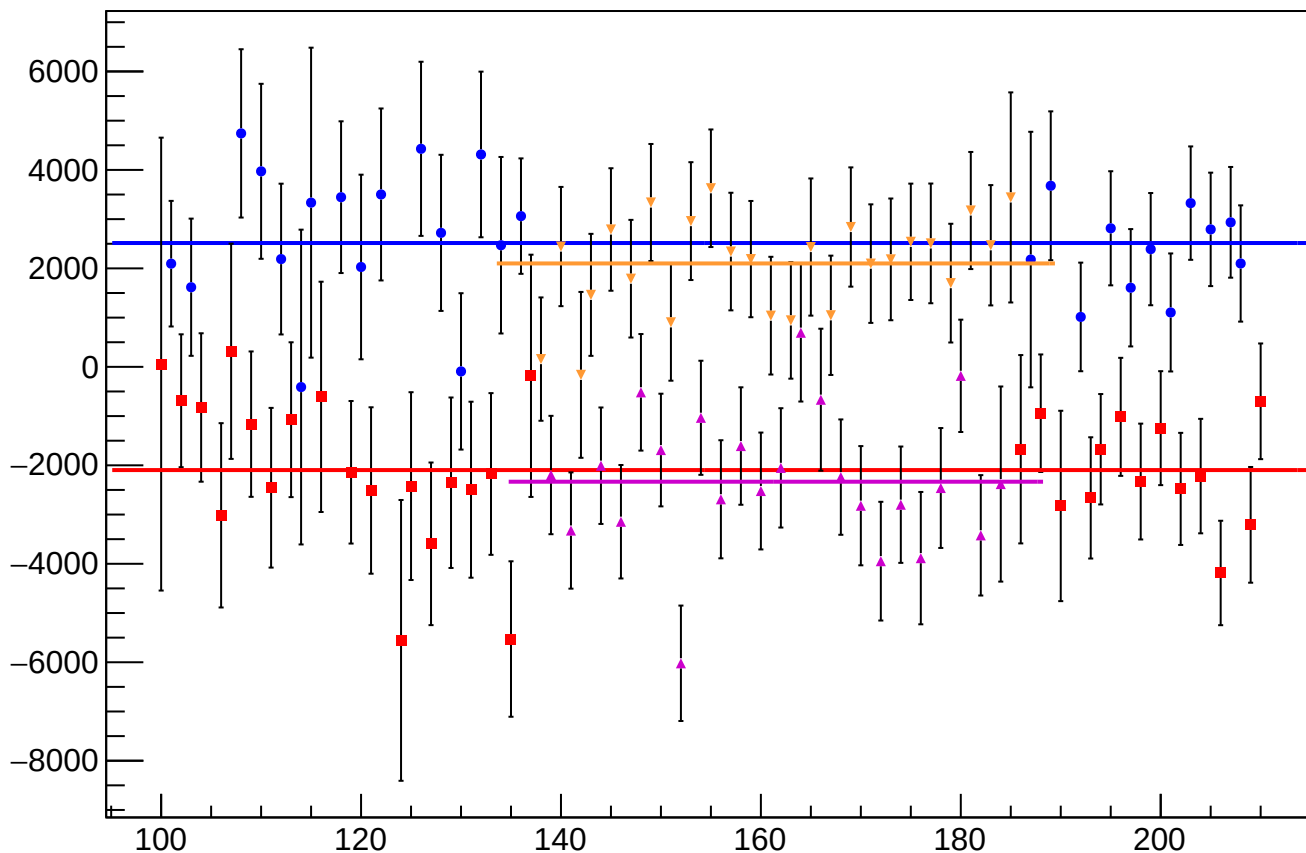
Left In: 1490.314+/-0.250 χ^2/NDF : 968221.5/22

+ sign 1645.299+/-0.205 χ^2/NDF : 5049599.5/51

All: 1663.876+/-0.146 χ^2/NDF : 10995562.5/100

- sign 1682.918+/-0.207 χ^2/NDF : 5929273.2/54

cor_asym_usr_mean vs Slug



Right In: 2515.293 $\pm$ 274.283 χ^2 /NDF: 15.2/26

Left Out: 2100.398 $\pm$ 248.306 χ^2 /NDF:13.8/24

Right Out: -2096.457 $\pm$ 259.539 χ^2 /NDF: 21.7/31

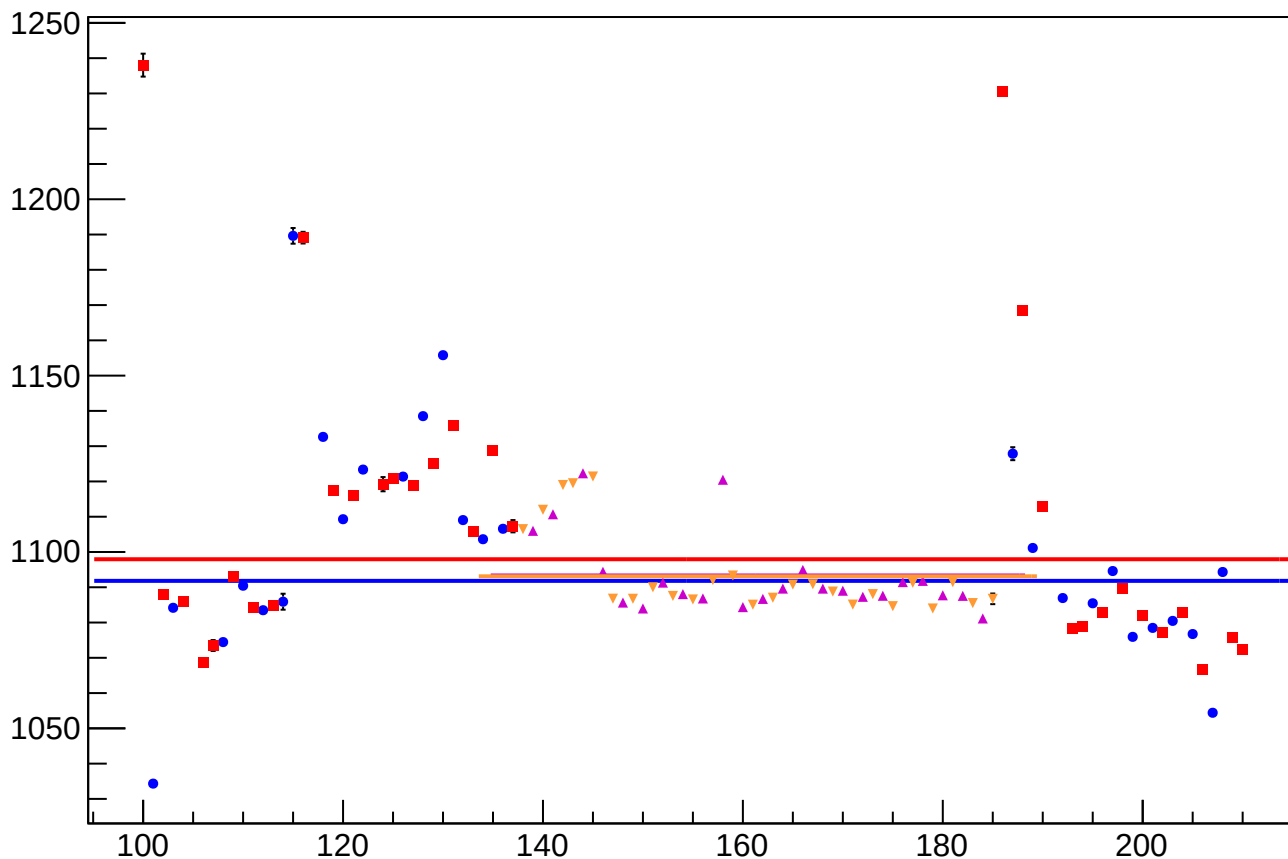
Left In: -2332.954 $\pm$ 255.284 χ^2 /NDF:29.5/22

+ sign 2287.274 $\pm$ 184.079 χ^2 /NDF: 30.2/51

All: 9.714 $\pm$ 129.422 χ^2 /NDF: 384.6/106

- sign -2216.660 $\pm$ 181.999 χ^2 /NDF: 51.6/54

cor_asym_usr_rms vs Slug



Right In: 1091.814 $\pm$ 0.194 χ^2 /NDF: 18675.4/26

Left Out: 1093.102 $\pm$ 0.176 χ^2 /NDF: 3983.2/24

Right Out: 1097.944 $\pm$ 0.184 χ^2 /NDF: 32711.4/31

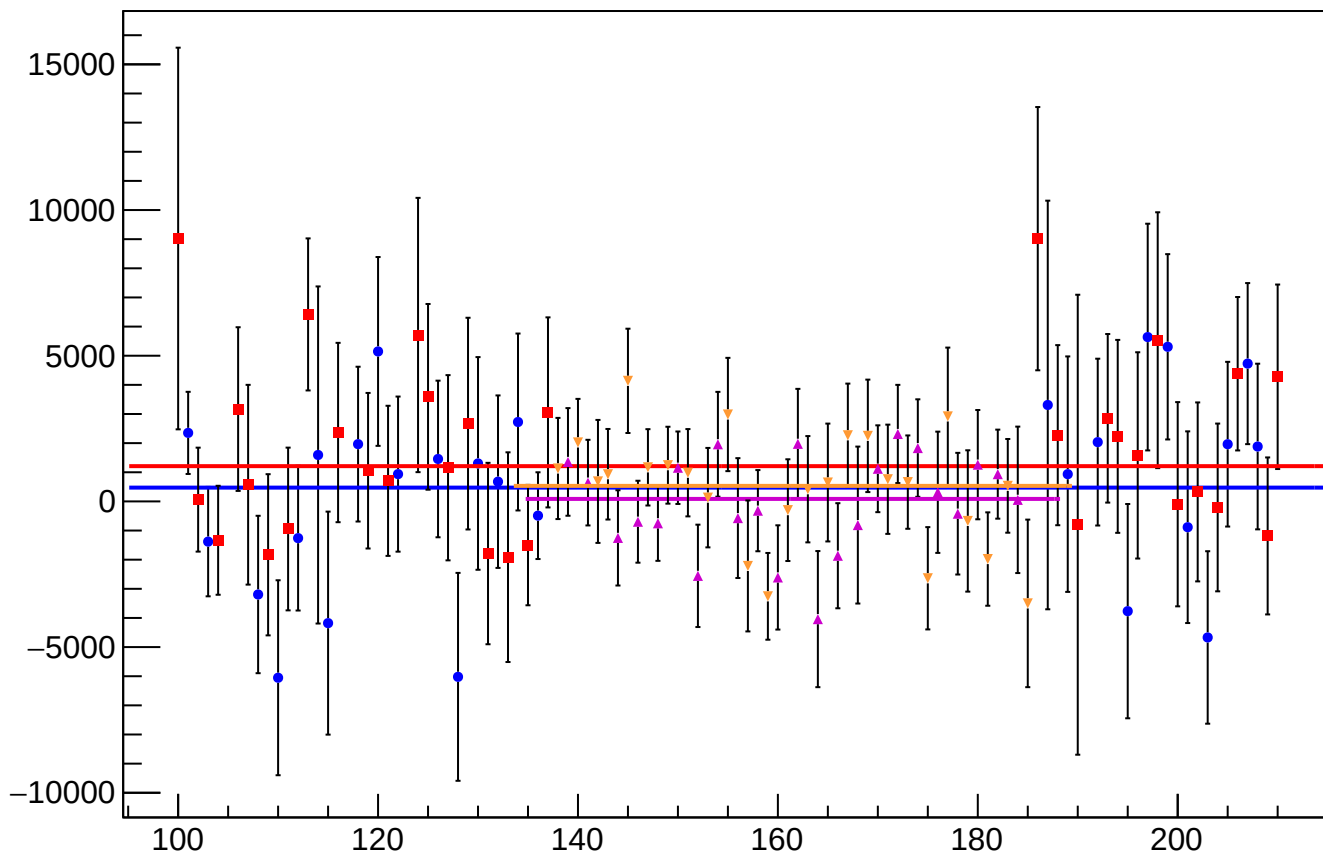
Left In: 1093.338 $\pm$ 0.181 χ^2 /NDF: 3725.7/22

+ sign 1092.522 $\pm$ 0.130 χ^2 /NDF: 22682.8/51

All: 1094.080 $\pm$ 0.092 χ^2 /NDF: 59723.3/106

- sign 1095.603 $\pm$ 0.129 χ^2 /NDF: 36757.2/54

asym_usr_cor_correction_mean vs Slug



Right In: 473.296 ± 523.681 $\chi^2/\text{NDF}: 29.3/26$

Left Out: 532.982 ± 347.223 $\chi^2/\text{NDF}: 26.4/24$

Right Out: 1209.971 ± 522.225 $\chi^2/\text{NDF}: 23.7/31$

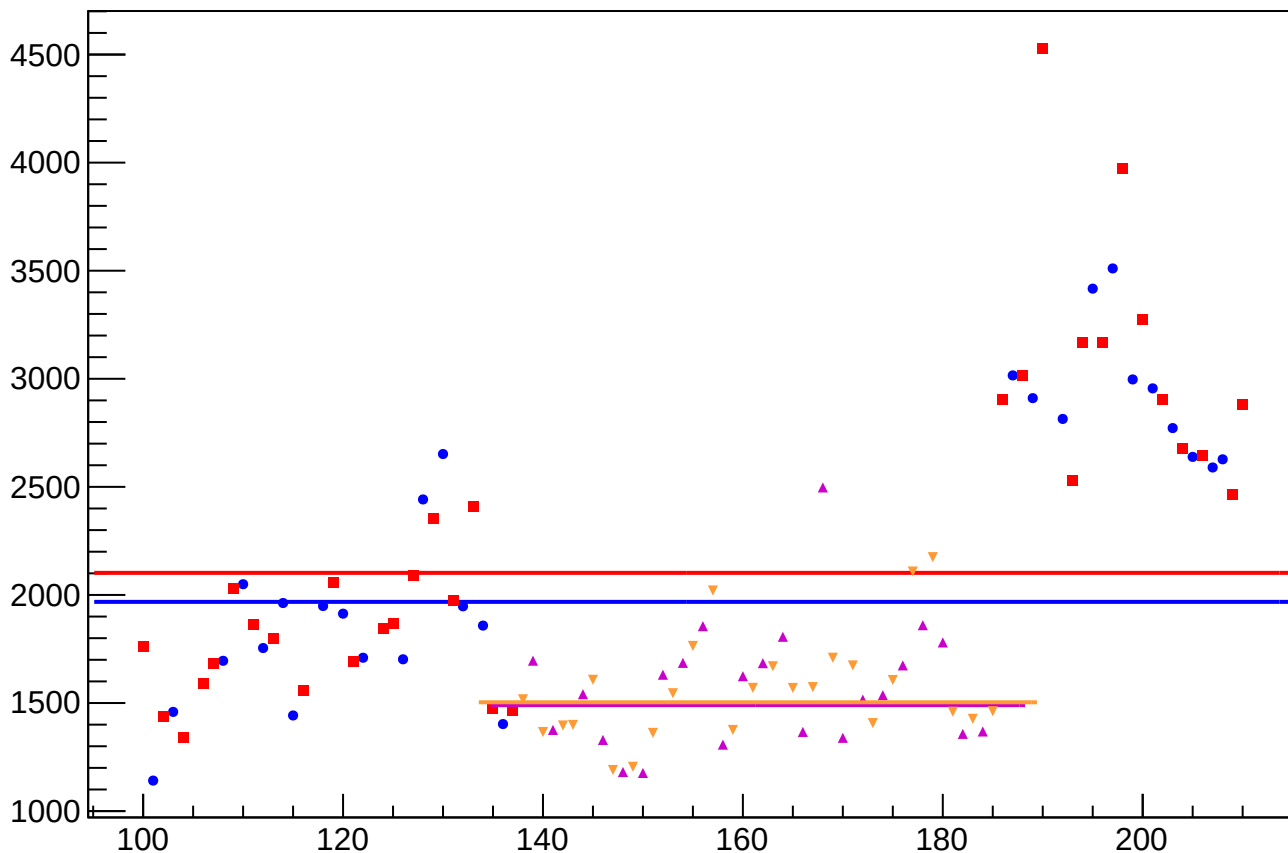
Left In: 85.329 ± 353.933 $\chi^2/\text{NDF}: 18.1/22$

+ sign 514.755 ± 289.390 $\chi^2/\text{NDF}: 55.7/51$

All: 477.501 ± 205.889 $\chi^2/\text{NDF}: 100.7/106$

- sign 439.316 ± 292.984 $\chi^2/\text{NDF}: 45.0/54$

asym_usr_cor_correction_rms vs Slug



Right In: 1967.987+/-0.370 χ^2/NDF : 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF : 799670.9/24

Right Out: 2102.229+/-0.369 χ^2/NDF : 3079390.2/31

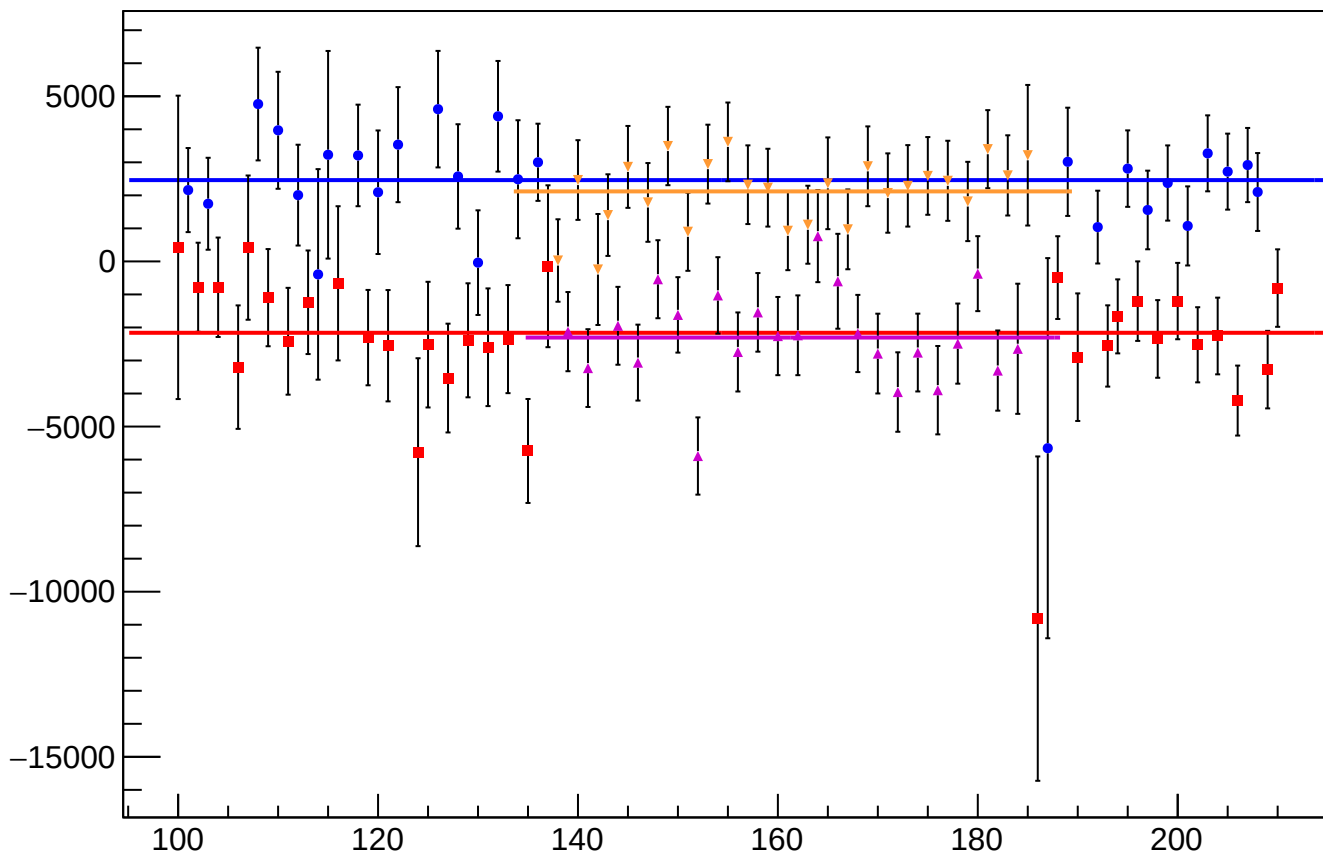
Left In: 1490.314+/-0.250 χ^2/NDF : 968221.5/22

+ sign 1645.299+/-0.205 χ^2/NDF : 5049599.5/51

All: 1663.876+/-0.146 χ^2/NDF : 10995562.5/100

- sign 1682.918+/-0.207 χ^2/NDF : 5929273.2/54

overload_cor_asym_usr_mean vs Slug



Right In: 2461.571 ± 275.715 χ^2/NDF : 16.6/26

Left Out: 2119.973 ± 247.544 χ^2/NDF : 15.1/24

Right Out: -2161.046 ± 261.818 χ^2/NDF : 26.3/31

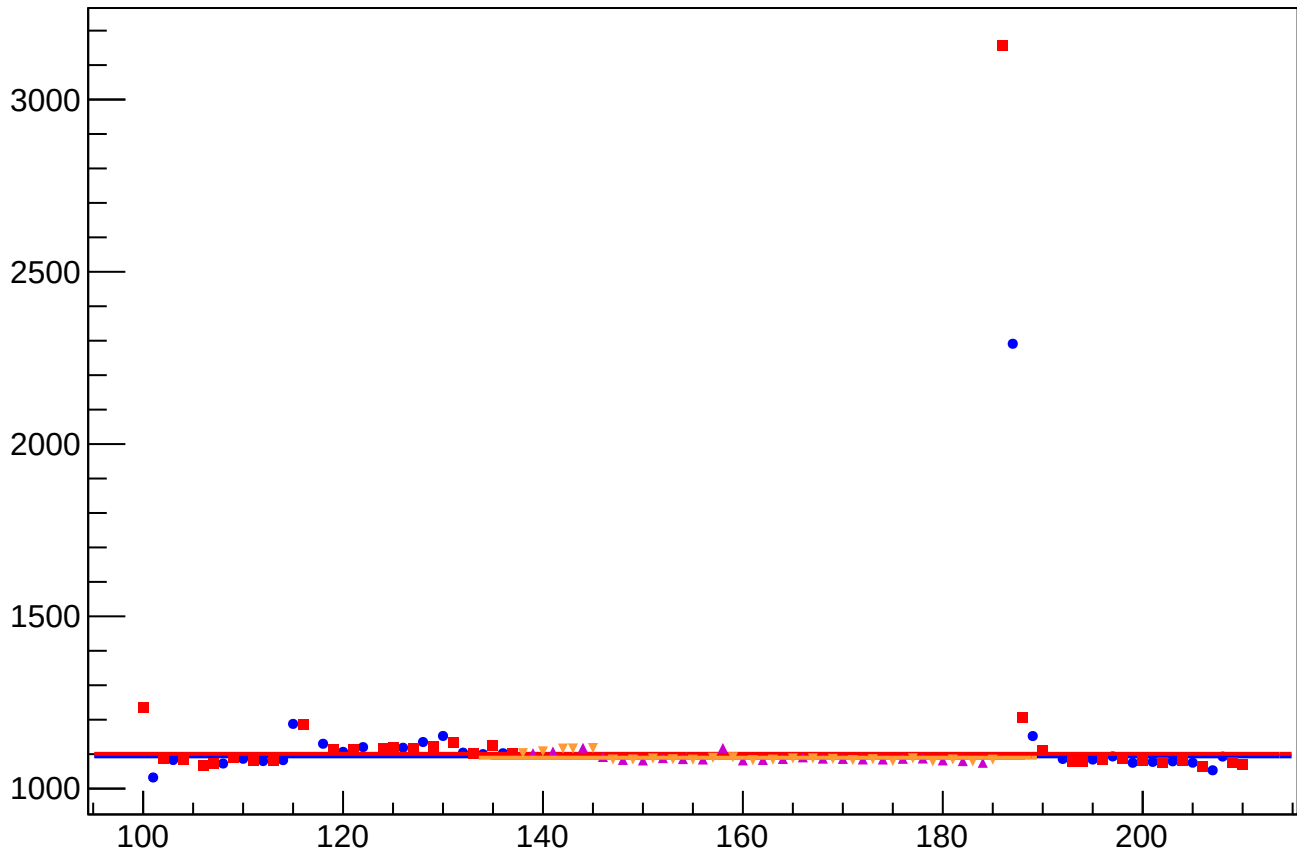
Left In: -2305.411 ± 254.497 χ^2/NDF : 28.5/22

+ sign 2272.434 ± 184.197 χ^2/NDF : 32.6/51

All: -2.406 ± 129.639 χ^2/NDF : 389.7/106

- sign -2235.275 ± 182.490 χ^2/NDF : 54.9/54

overload_cor_asym_usr_rms vs Slug



Right In: 1093.673+/-0.195 χ^2/NDF : 107299.8/26

Left Out: 1089.744+/-0.175 χ^2/NDF : 4057.6/24

Right Out: 1100.914+/-0.185 χ^2/NDF : 381717.7/31

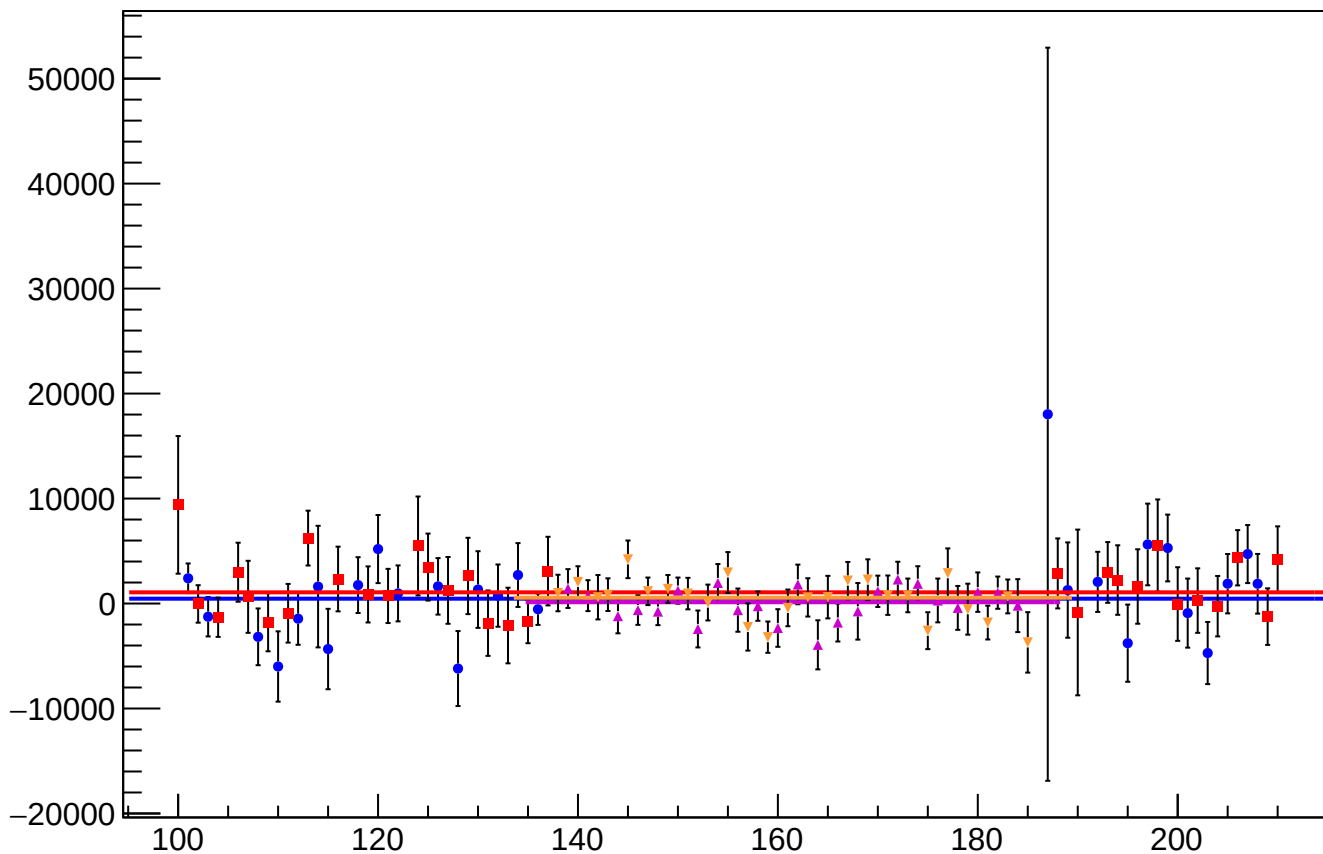
Left In: 1089.964+/-0.180 χ^2/NDF : 3896.0/22

+ sign 1091.497+/-0.130 χ^2/NDF : 111582.3/51

All: 1093.408+/-0.092 χ^2/NDF : 499421.2/106

- sign 1095.284+/-0.129 χ^2/NDF : 387412.4/54

asym_usr_overload_cor_correction_mean vs Slug



Right In: 460.652+/-526.514 χ^2/NDF : 29.7/26

Left Out: 553.759+/-347.813 χ^2/NDF : 26.1/24

Right Out: 1066.428+/-527.207 χ^2/NDF : 20.8/30

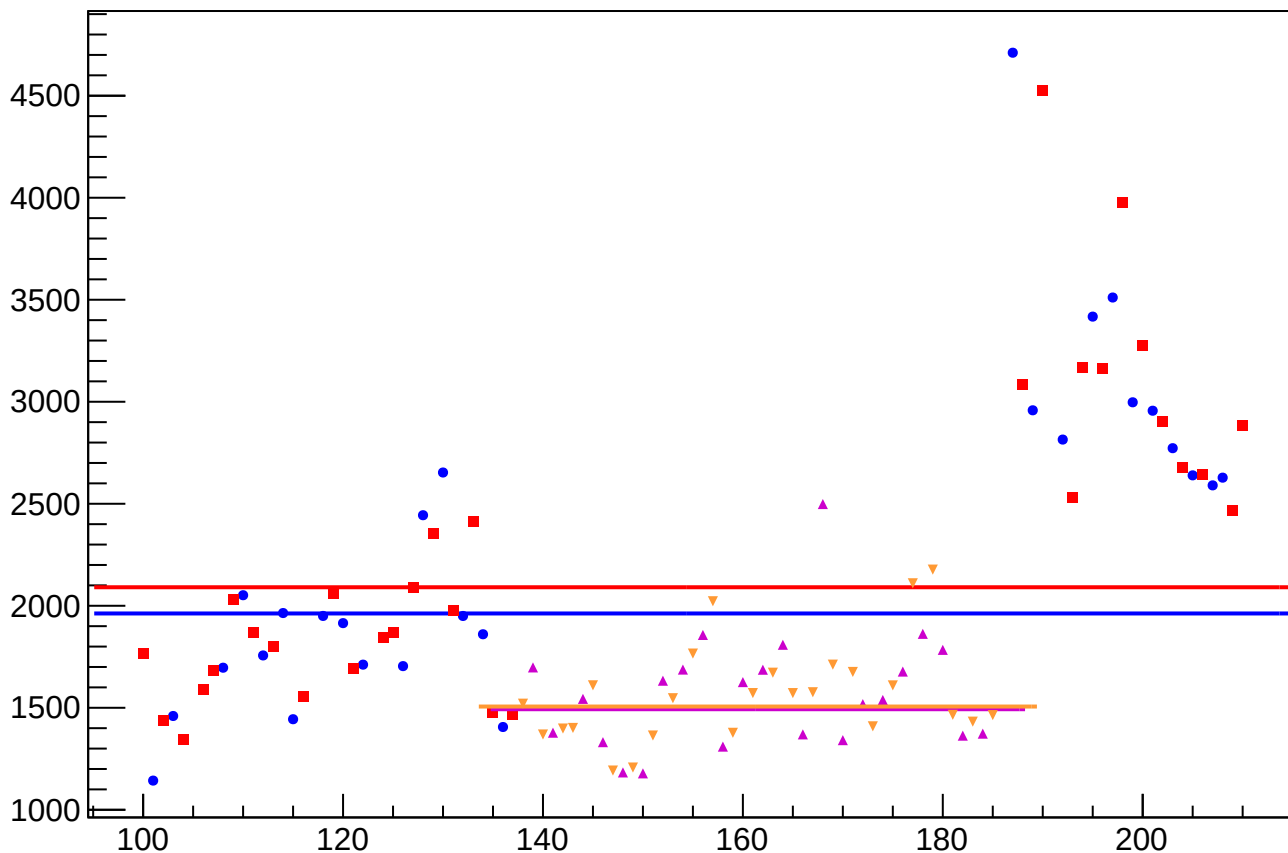
Left In: 121.420+/-354.540 χ^2/NDF : 17.1/22

+ sign 525.473+/-290.208 χ^2/NDF : 55.8/51

All: 471.338+/-206.606 χ^2/NDF : 96.1/105

- sign 415.704+/-294.203 χ^2/NDF : 40.2/53

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1962.296 $\pm$ 0.372 χ^2 /NDF: 3100024.3/26

Left Out: 1506.103 $\pm$ 0.246 χ^2 /NDF: 796401.8/24

Right Out: 2090.791 $\pm$ 0.373 χ^2 /NDF: 3003366.5/30

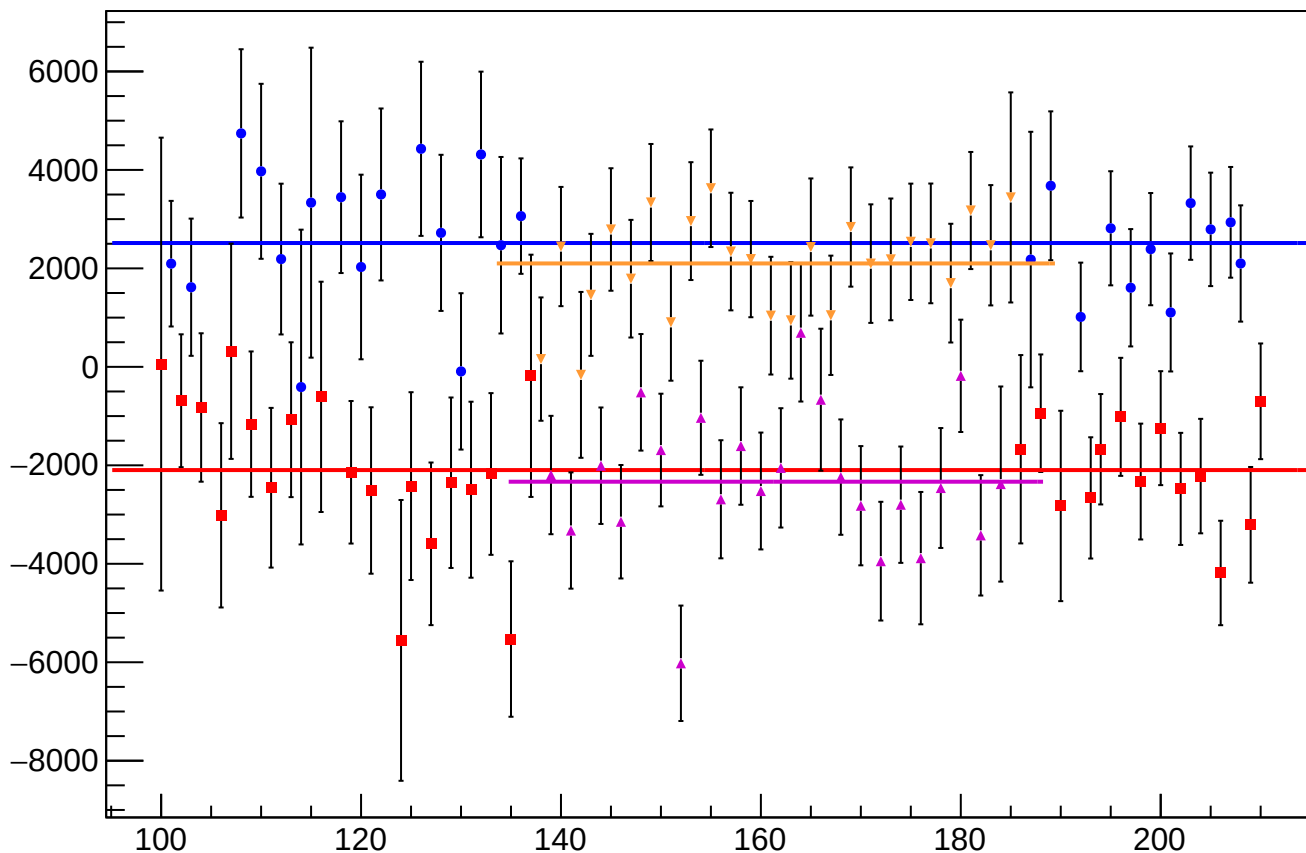
Left In: 1492.976 $\pm$ 0.251 χ^2 /NDF: 964358.0/22

+ sign 1644.698 $\pm$ 0.205 χ^2 /NDF: 4941714.8/51

All: 1661.684 $\pm$ 0.146 χ^2 /NDF: 10694102.5/101

- sign 1679.141 $\pm$ 0.208 χ^2 /NDF: 5738494.8/53

eigen_cor_asym_usr_mean vs Slug



Right In: 2515.293 ± 274.283 $\chi^2/\text{NDF}: 15.2/26$

Left Out: 2100.398 ± 248.306 $\chi^2/\text{NDF}: 13.8/24$

Right Out: -2096.457 ± 259.539 $\chi^2/\text{NDF}: 21.7/31$

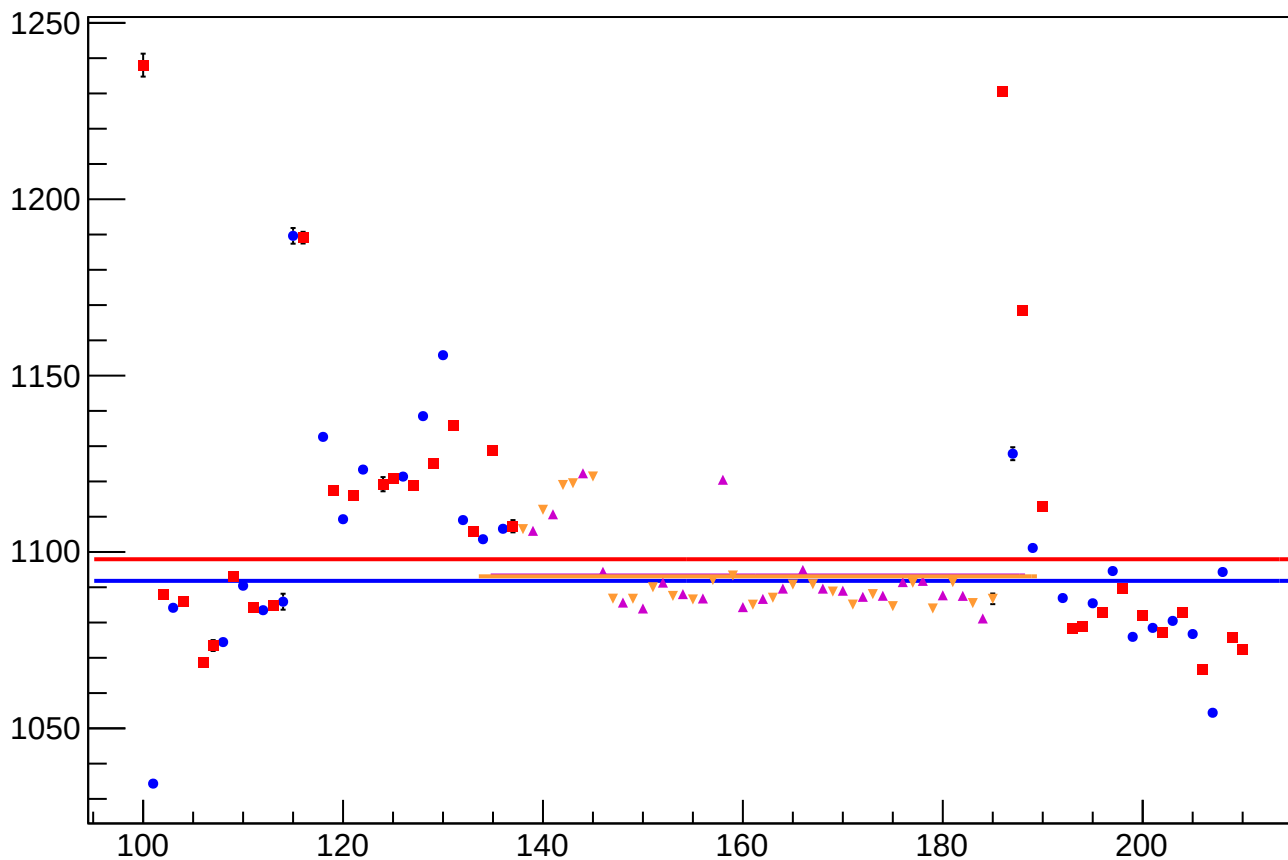
Left In: -2332.954 ± 255.284 $\chi^2/\text{NDF}: 29.5/22$

+ sign 2287.274 ± 184.079 $\chi^2/\text{NDF}: 30.2/51$

All: 9.714 ± 129.422 $\chi^2/\text{NDF}: 384.6/106$

- sign -2216.660 ± 181.999 $\chi^2/\text{NDF}: 51.6/54$

eigen_cor_asym_usr_rms vs Slug



Right In: 1091.814 $\pm$ 0.194 χ^2 /NDF: 18675.4/26

Left Out: 1093.102 $\pm$ 0.176 χ^2 /NDF: 3983.2/24

Right Out: 1097.944 $\pm$ 0.184 χ^2 /NDF: 32711.4/31

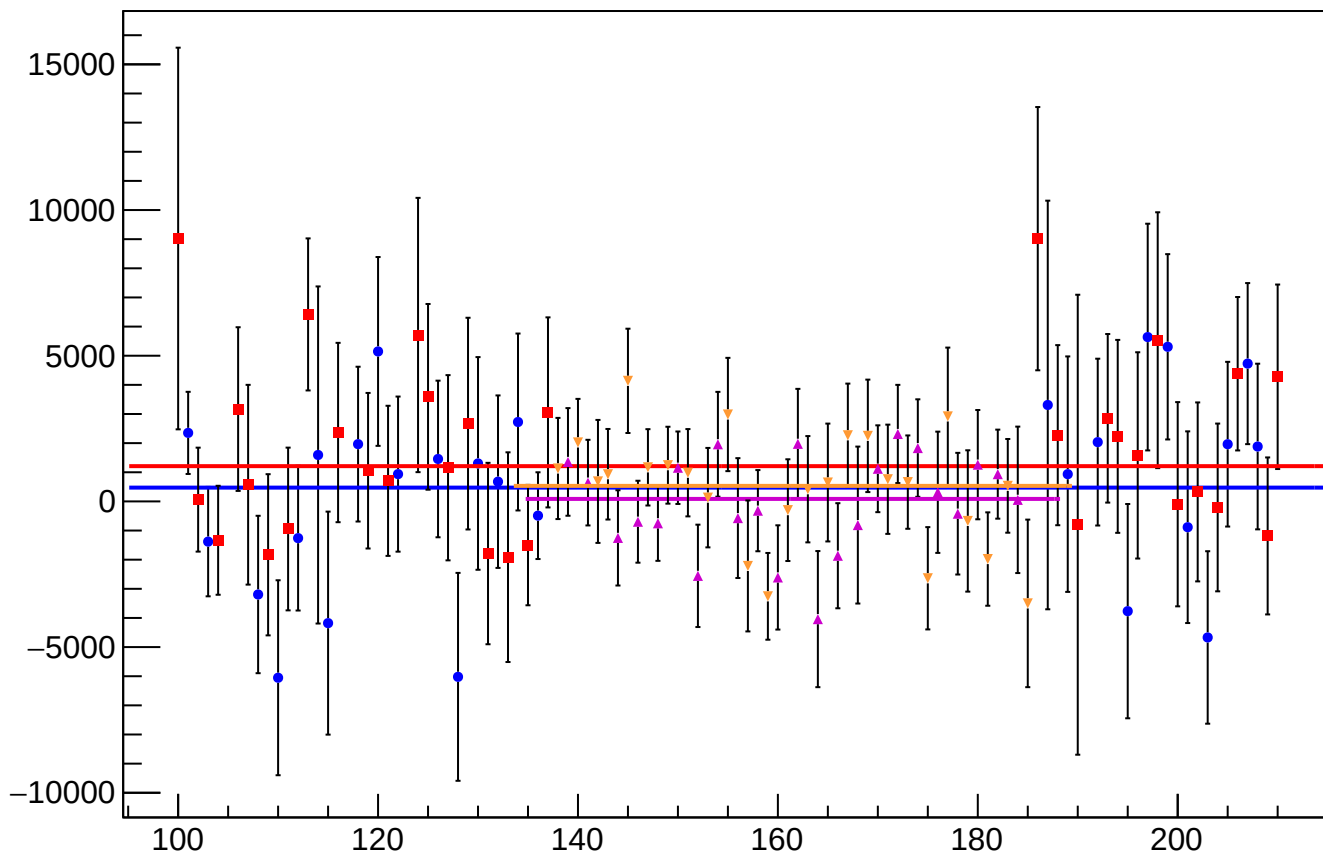
Left In: 1093.338 $\pm$ 0.181 χ^2 /NDF: 3725.7/22

+ sign 1092.522 $\pm$ 0.130 χ^2 /NDF: 22682.8/51

All: 1094.080 $\pm$ 0.092 χ^2 /NDF: 59723.3/106

- sign 1095.603 $\pm$ 0.129 χ^2 /NDF: 36757.2/54

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 473.296 ± 523.681 χ^2/NDF : 29.3/26

Left Out: 532.982 ± 347.223 χ^2/NDF : 26.4/24

Right Out: 1209.971 ± 522.225 χ^2/NDF : 23.7/31

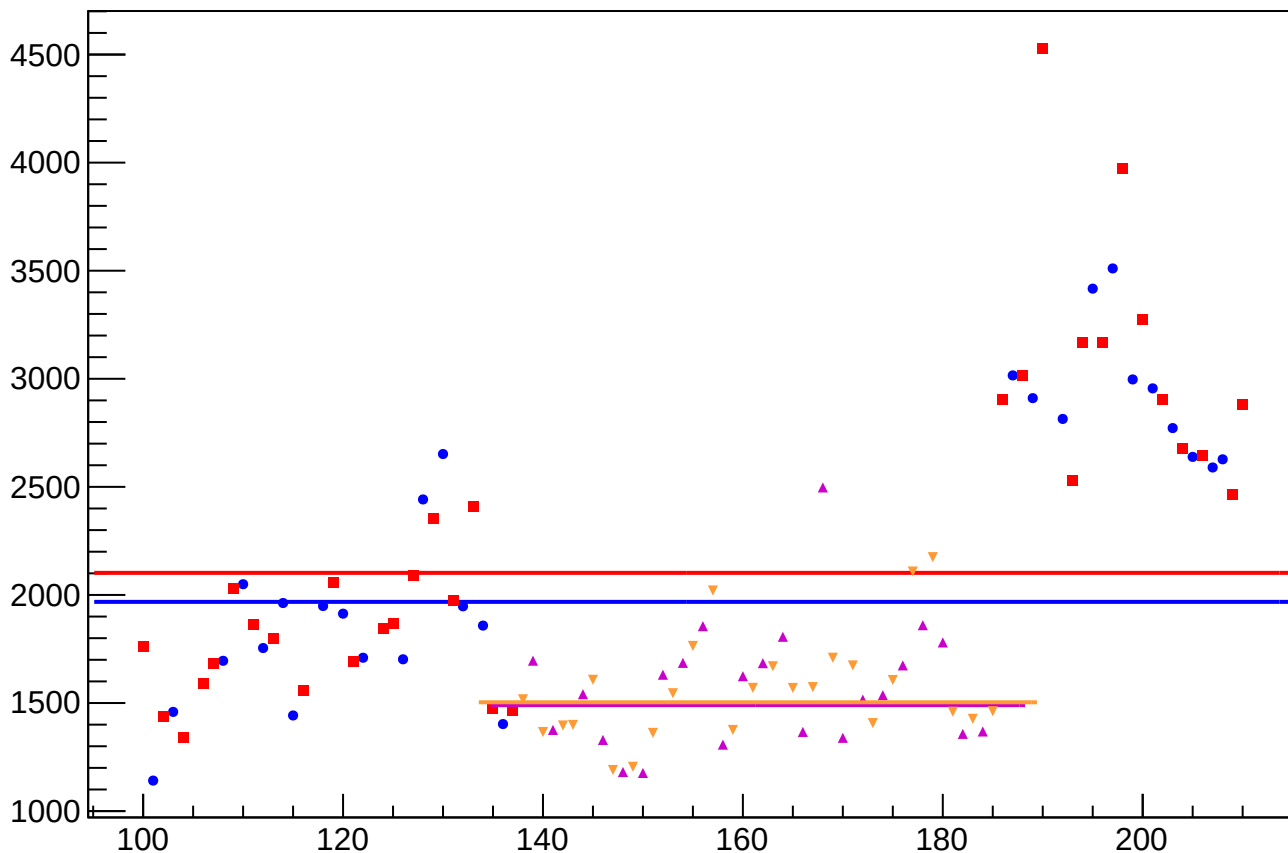
Left In: 85.329 ± 353.933 χ^2/NDF : 18.1/22

+ sign 514.755 ± 289.390 χ^2/NDF : 55.7/51

All: 477.501 ± 205.889 χ^2/NDF : 100.7/106

- sign 439.316 ± 292.984 χ^2/NDF : 45.0/54

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1967.987+/-0.370 χ^2/NDF : 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF : 799670.9/24

Right Out: 2102.229+/-0.369 χ^2/NDF : 3079390.2/31

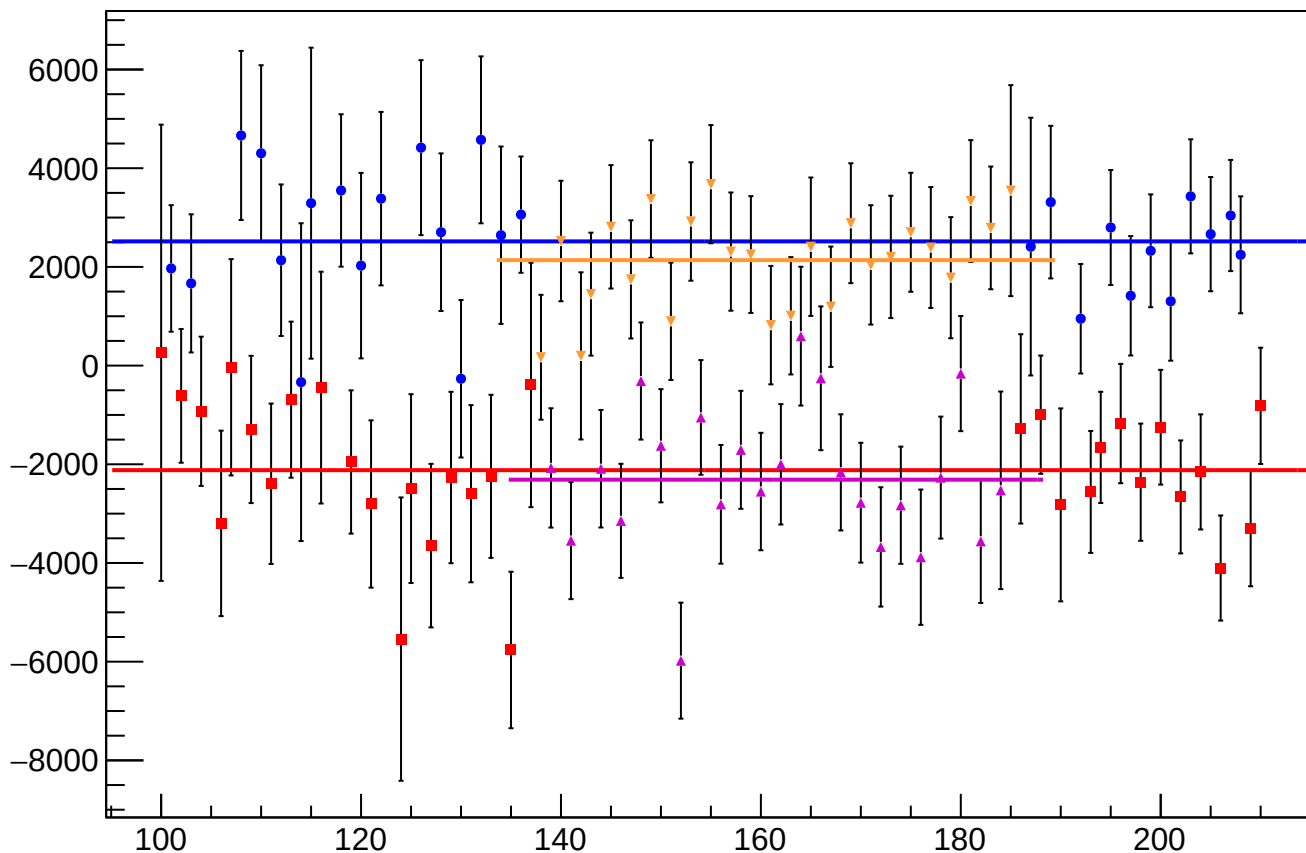
Left In: 1490.314+/-0.250 χ^2/NDF : 968221.5/22

+ sign 1645.299+/-0.205 χ^2/NDF : 5049599.5/51

All: 1663.876+/-0.146 χ^2/NDF : 10995562.5/100

- sign 1682.918+/-0.207 χ^2/NDF : 5929273.2/54

dit_asym_usr_mean vs Slug



Right In: 2517.153 ± 275.745 χ^2/NDF : 15.8/26

Left Out: 2137.184 ± 250.195 χ^2/NDF : 13.9/24

Right Out: -2119.171 ± 260.751 χ^2/NDF : 22.0/31

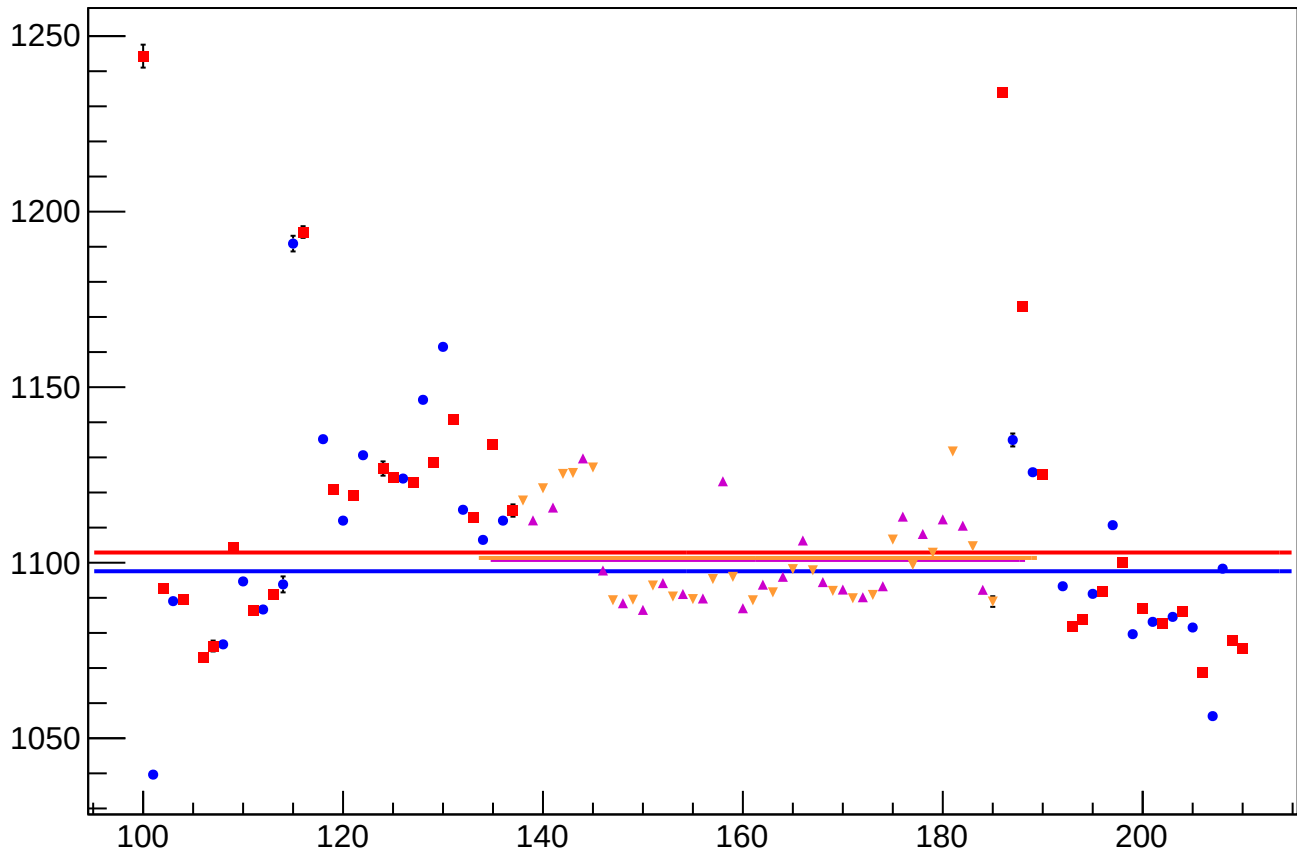
Left In: -2311.761 ± 257.036 χ^2/NDF : 29.9/22

+ sign 2308.753 ± 185.291 χ^2/NDF : 30.8/51

All: 18.440 ± 130.221 χ^2/NDF : 384.9/106

- sign -2216.848 ± 183.051 χ^2/NDF : 52.2/54

dit_asym_usr_rms vs Slug



Right In: 1097.569 $\pm$ 0.195 χ^2 /NDF: 19913.1/26

Left Out: 1101.353 $\pm$ 0.177 χ^2 /NDF: 5950.6/24

Right Out: 1102.904 $\pm$ 0.184 χ^2 /NDF: 32891.2/31

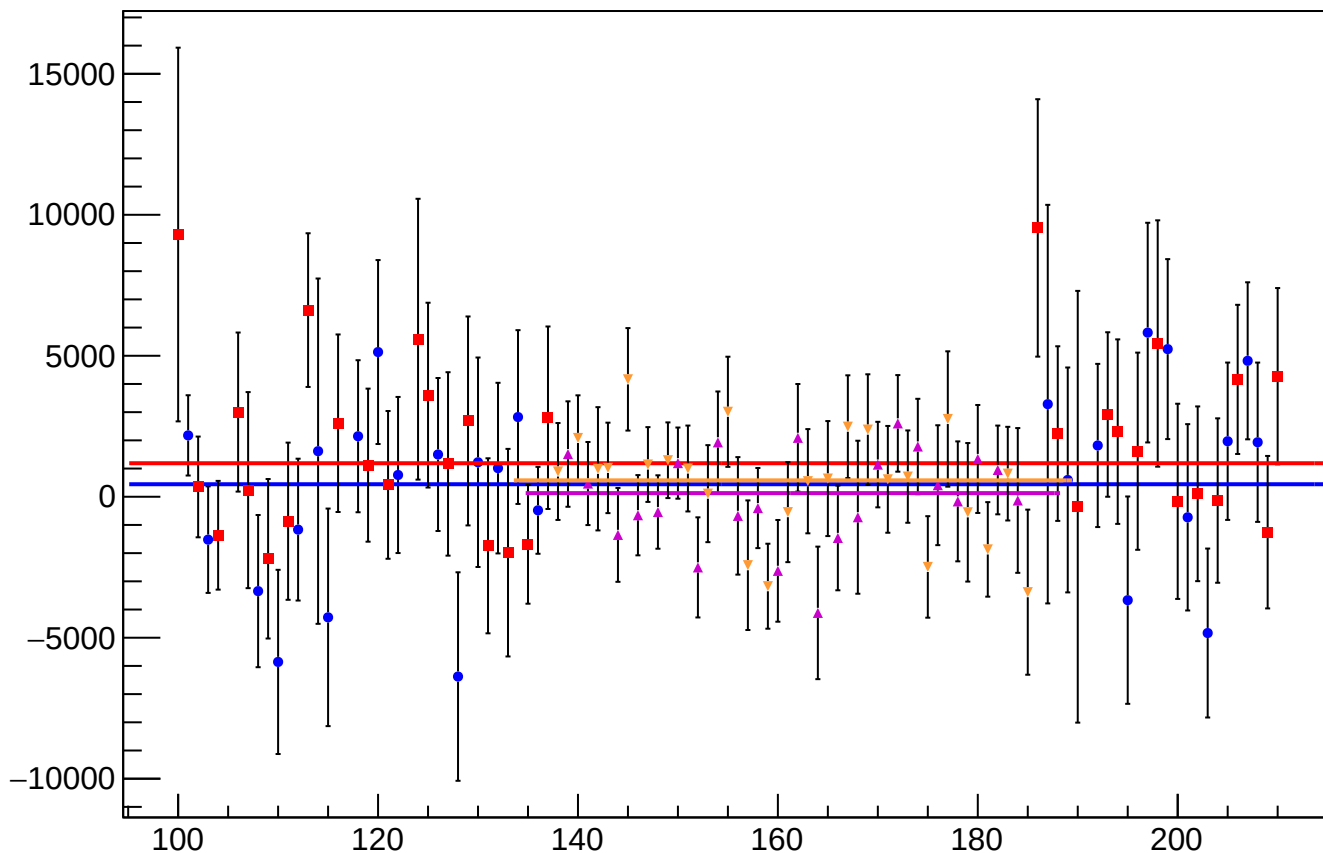
Left In: 1100.792 $\pm$ 0.182 χ^2 /NDF: 4641.7/22

+ sign 1099.645 $\pm$ 0.131 χ^2 /NDF: 26070.3/51

All: 1100.752 $\pm$ 0.092 χ^2 /NDF: 63810.9/106

- sign 1101.833 $\pm$ 0.129 χ^2 /NDF: 37599.4/54

asym_usr_dit_correction_mean vs Slug



Right In: 443.652 $\pm$ 529.913 χ^2 /NDF: 29.3/26

Left Out: 581.427 $\pm$ 353.389 χ^2 /NDF: 25.4/24

Right Out: 1188.879 $\pm$ 528.168 χ^2 /NDF: 23.9/31

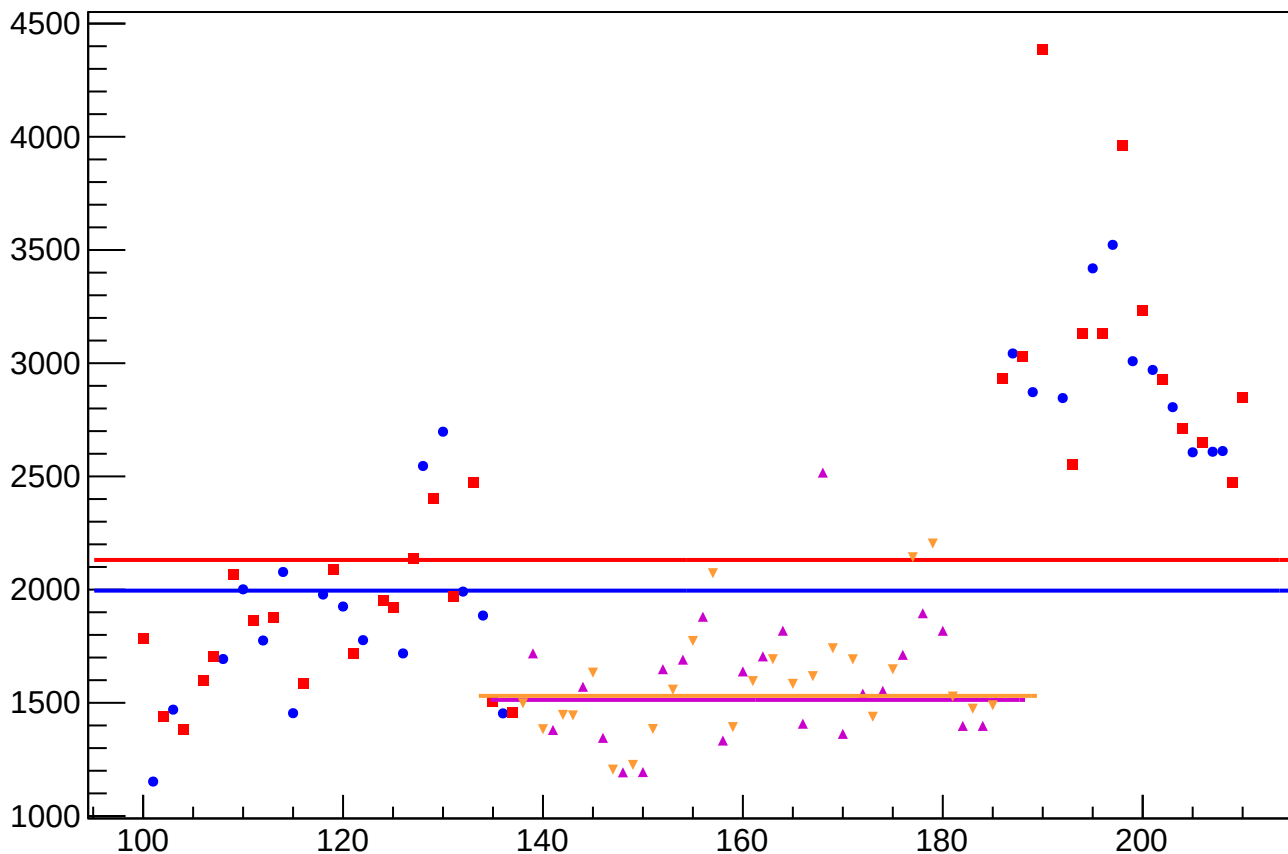
Left In: 128.769 $\pm$ 359.128 χ^2 /NDF: 17.9/22

+ sign 539.016 $\pm$ 294.008 χ^2 /NDF: 54.8/51

All: 501.853 $\pm$ 208.938 χ^2 /NDF: 99.3/106

- sign 463.935 $\pm$ 296.980 χ^2 /NDF: 44.5/54

asym_usr_dit_correction_rms vs Slug



Right In: 1995.536 $\pm$ 0.375 χ^2 /NDF: 3067234.5/26

Left Out: 1530.764 $\pm$ 0.250 χ^2 /NDF: 795634.5/24

Right Out: 2131.004 $\pm$ 0.373 χ^2 /NDF: 2937583.5/31

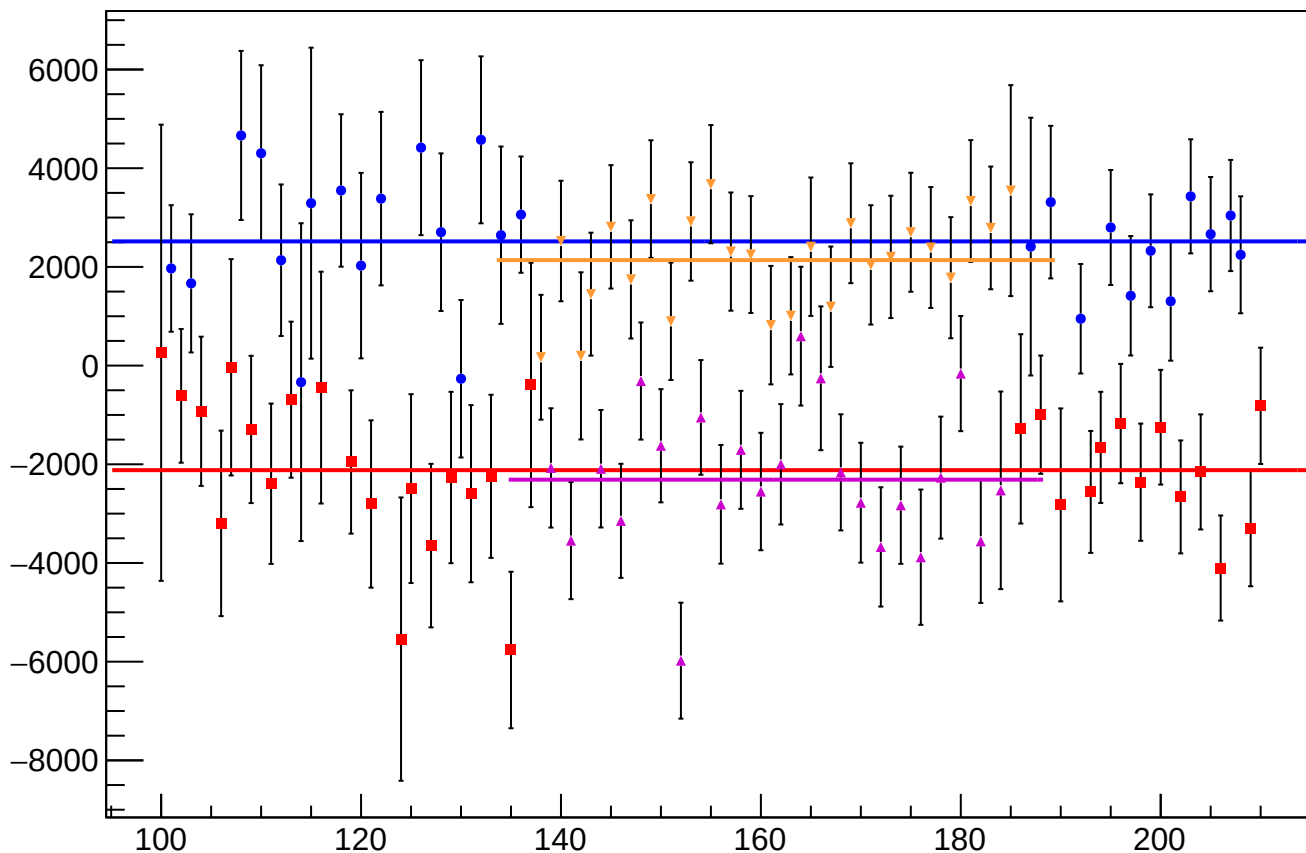
Left In: 1512.947 $\pm$ 0.254 χ^2 /NDF: 957059.5/22

+ sign 1673.835 $\pm$ 0.208 χ^2 /NDF: 4927780.0/51

All: 1690.920 $\pm$ 0.148 χ^2 /NDF: 10708891.6/101

- sign 1708.353 $\pm$ 0.210 χ^2 /NDF: 5767466.2/54

eigen_dit_asym_usr_mean vs Slug



Right In: 2517.153+/-275.745 χ^2/NDF : 15.8/26

Left Out: 2137.182+/-250.195 χ^2/NDF : 13.9/24

Right Out: -2119.170+/-260.751 χ^2/NDF : 22.0/31

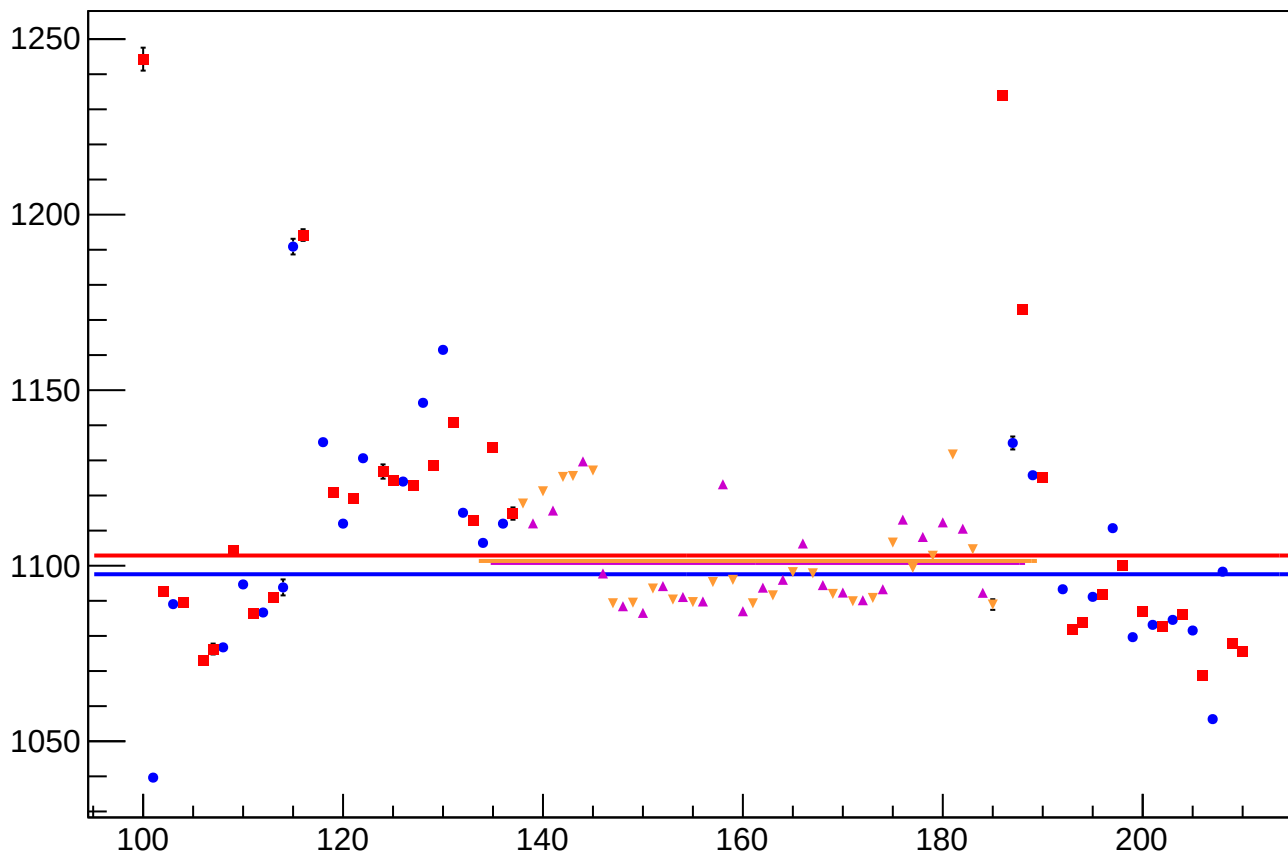
Left In: -2311.761+/-257.036 χ^2/NDF : 29.9/22

+ sign 2308.752+/-185.291 χ^2/NDF : 30.8/51

All: 18.440+/-130.221 χ^2/NDF : 384.9/106

- sign -2216.848+/-183.051 χ^2/NDF : 52.2/54

eigen_dit_asym_usr_rms vs Slug



Right In: 1097.569 ± 0.195 χ^2/NDF : 19912.9/26

Left Out: 1101.353 ± 0.177 χ^2/NDF : 5950.6/24

Right Out: 1102.904 ± 0.184 χ^2/NDF : 32891.1/31

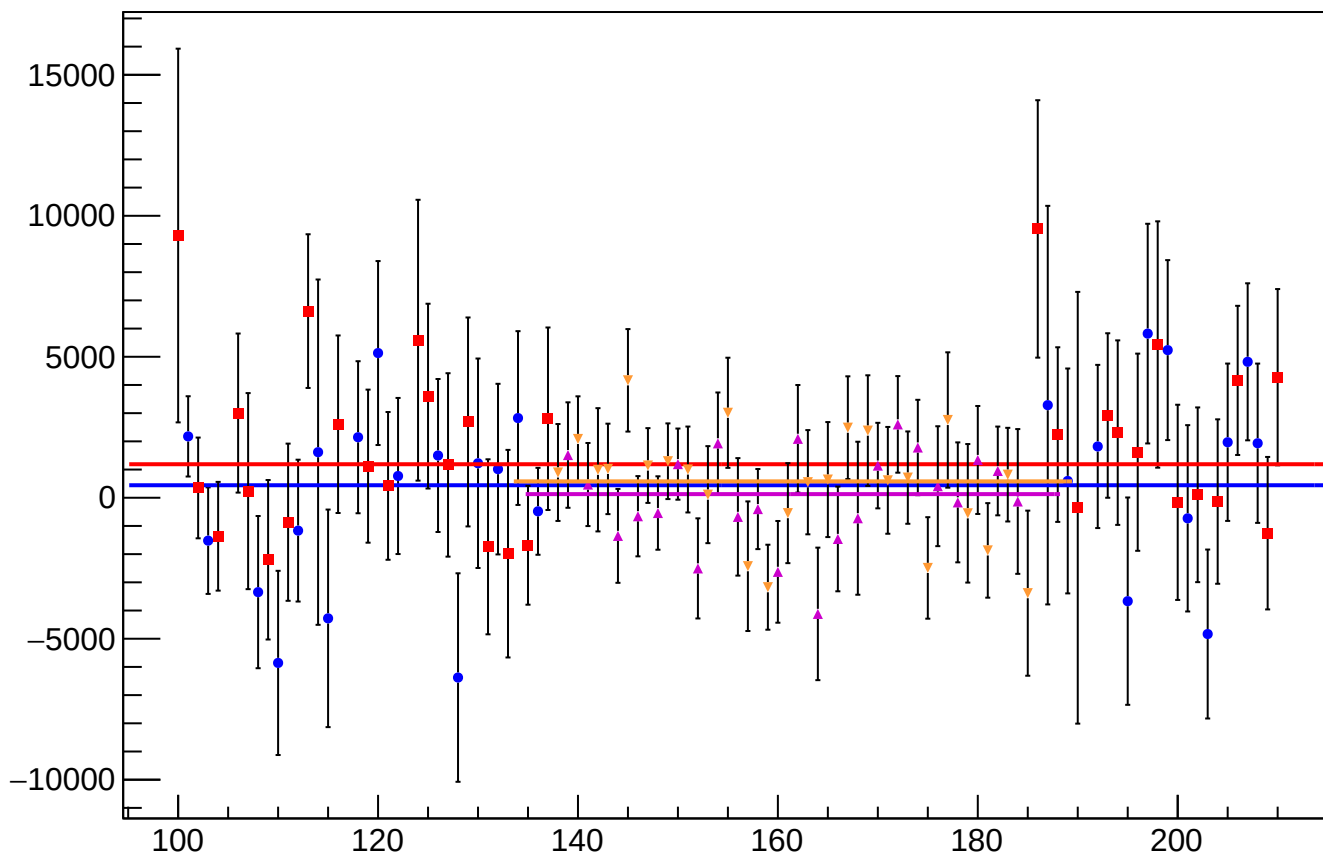
Left In: 1100.792 ± 0.182 χ^2/NDF : 4641.7/22

+ sign 1099.645 ± 0.131 χ^2/NDF : 26070.1/51

All: 1100.752 ± 0.092 χ^2/NDF : 63810.6/106

- sign 1101.833 ± 0.129 χ^2/NDF : 37599.3/54

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 443.647 $\pm$ 529.912 χ^2 /NDF: 29.3/26

Left Out: 581.426 $\pm$ 353.390 χ^2 /NDF: 25.4/24

Right Out: 1188.879 $\pm$ 528.168 χ^2 /NDF: 23.9/31

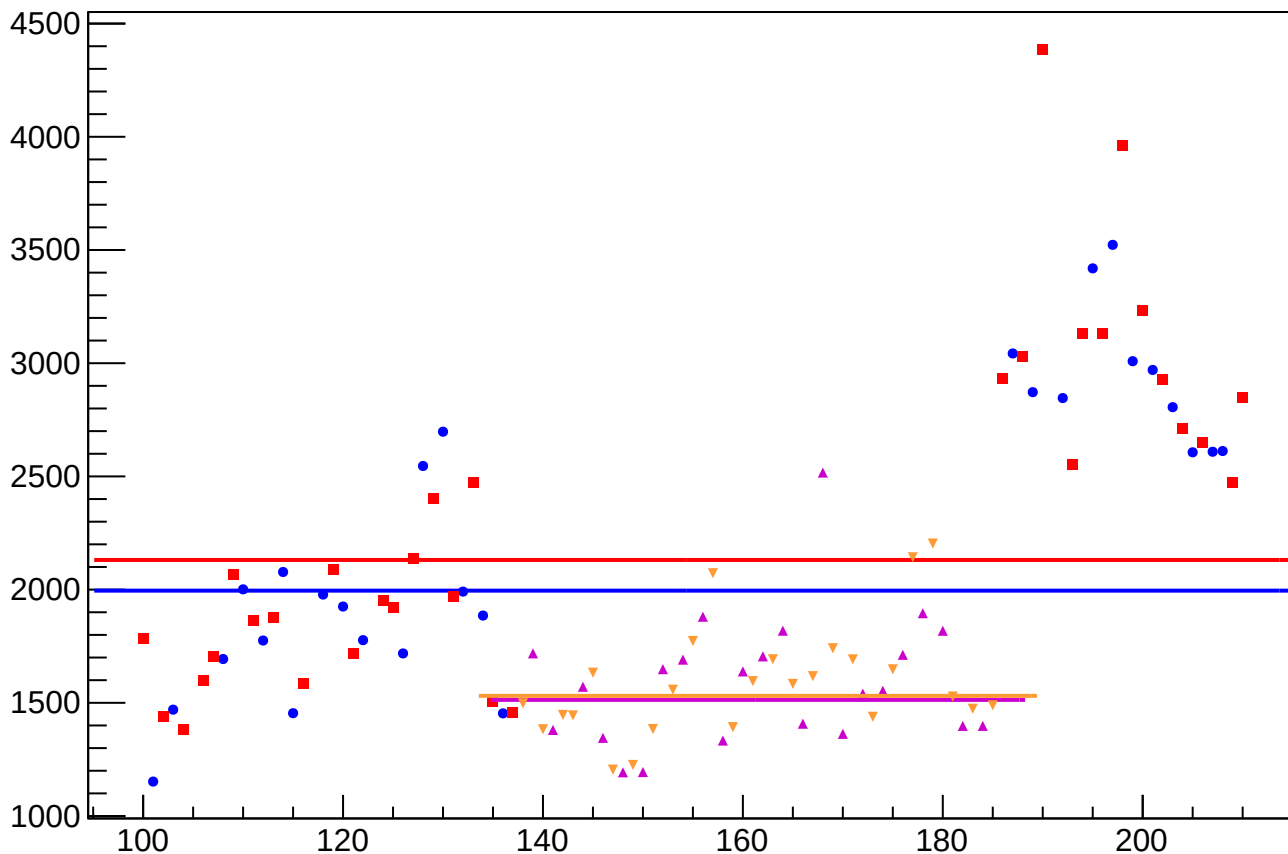
Left In: 128.769 $\pm$ 359.129 χ^2 /NDF: 17.9/22

+ sign 539.013 $\pm$ 294.009 χ^2 /NDF: 54.8/51

All: 501.852 $\pm$ 208.938 χ^2 /NDF: 99.3/106

- sign 463.937 $\pm$ 296.980 χ^2 /NDF: 44.5/54

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1995.534 $\pm$ 0.375 χ^2/NDF : 3067241.8/26

Left Out: 1530.768 $\pm$ 0.250 χ^2/NDF : 795638.4/24

Right Out: 2131.003 $\pm$ 0.373 χ^2/NDF : 2937581.7/31

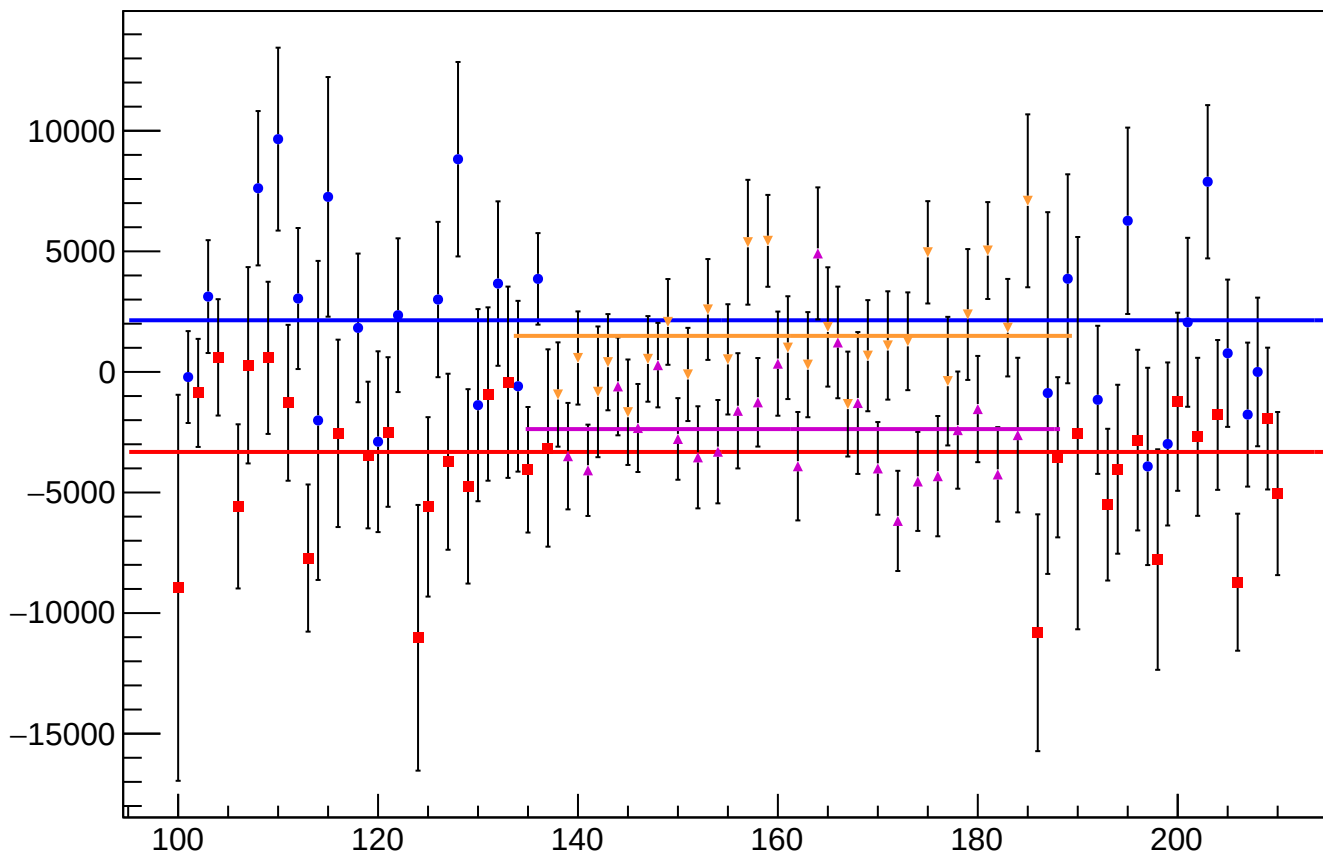
Left In: 1512.951 $\pm$ 0.254 χ^2/NDF : 957065.2/22

+ sign 1673.837 $\pm$ 0.208 χ^2/NDF : 4927764.8/51

All: 1690.923 $\pm$ 0.148 χ^2/NDF : 10708848.4/100

- sign 1708.356 $\pm$ 0.210 χ^2/NDF : 5767438.0/54

asym_usr_mean vs Slug



Right In: 2141.750 +/- 615.325 χ^2/NDF : 29.9/26

Left Out: 1495.022 +/- 433.196 χ^2/NDF : 23.8/24

Right Out: -3318.269 +/- 602.871 χ^2/NDF : 21.7/31

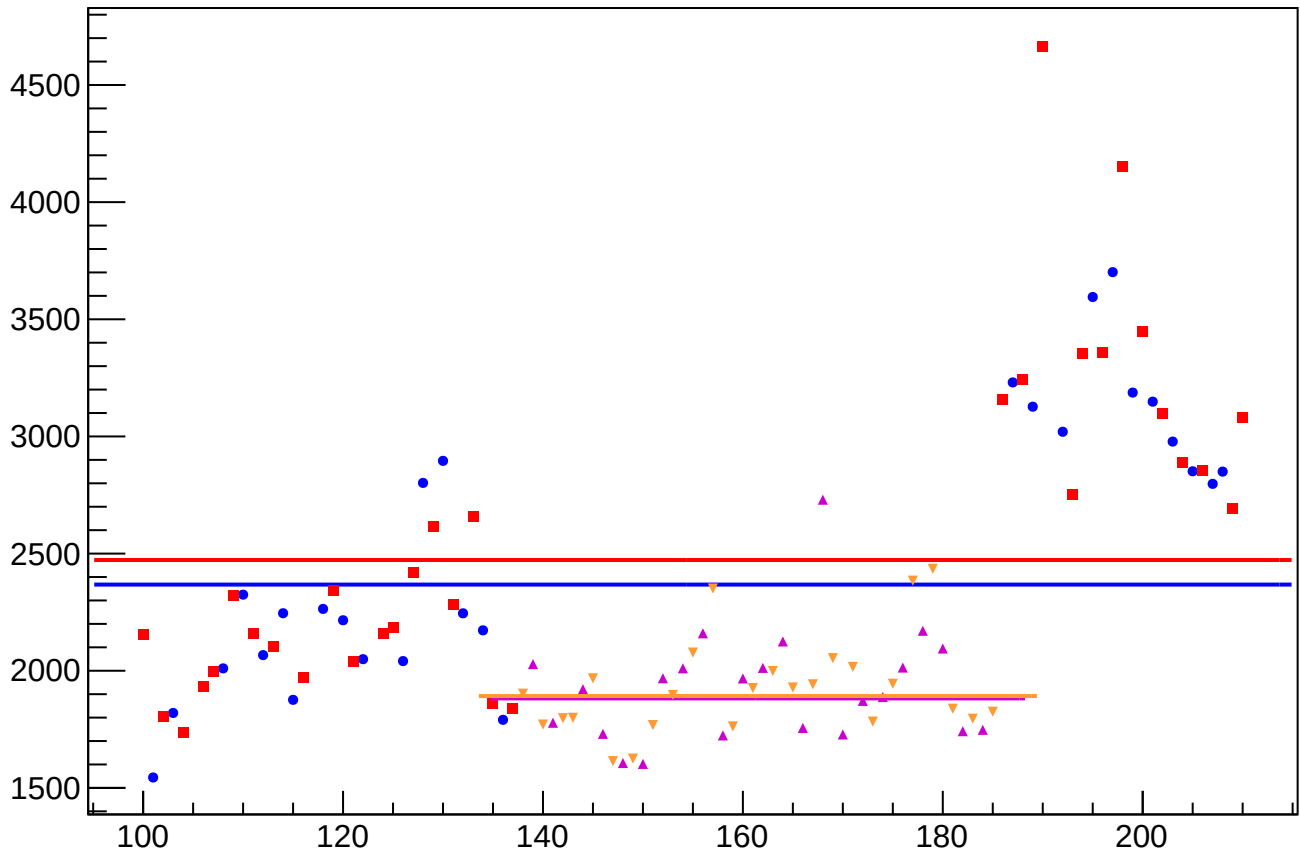
Left In: -2370.694 +/- 442.952 χ^2/NDF : 23.7/22

+ sign 1709.339 +/- 354.219 χ^2/NDF : 54.4/51

All: -479.776 +/- 251.434 χ^2/NDF : 178.4/106

- sign -2702.896 +/- 356.960 χ^2/NDF : 47.0/54

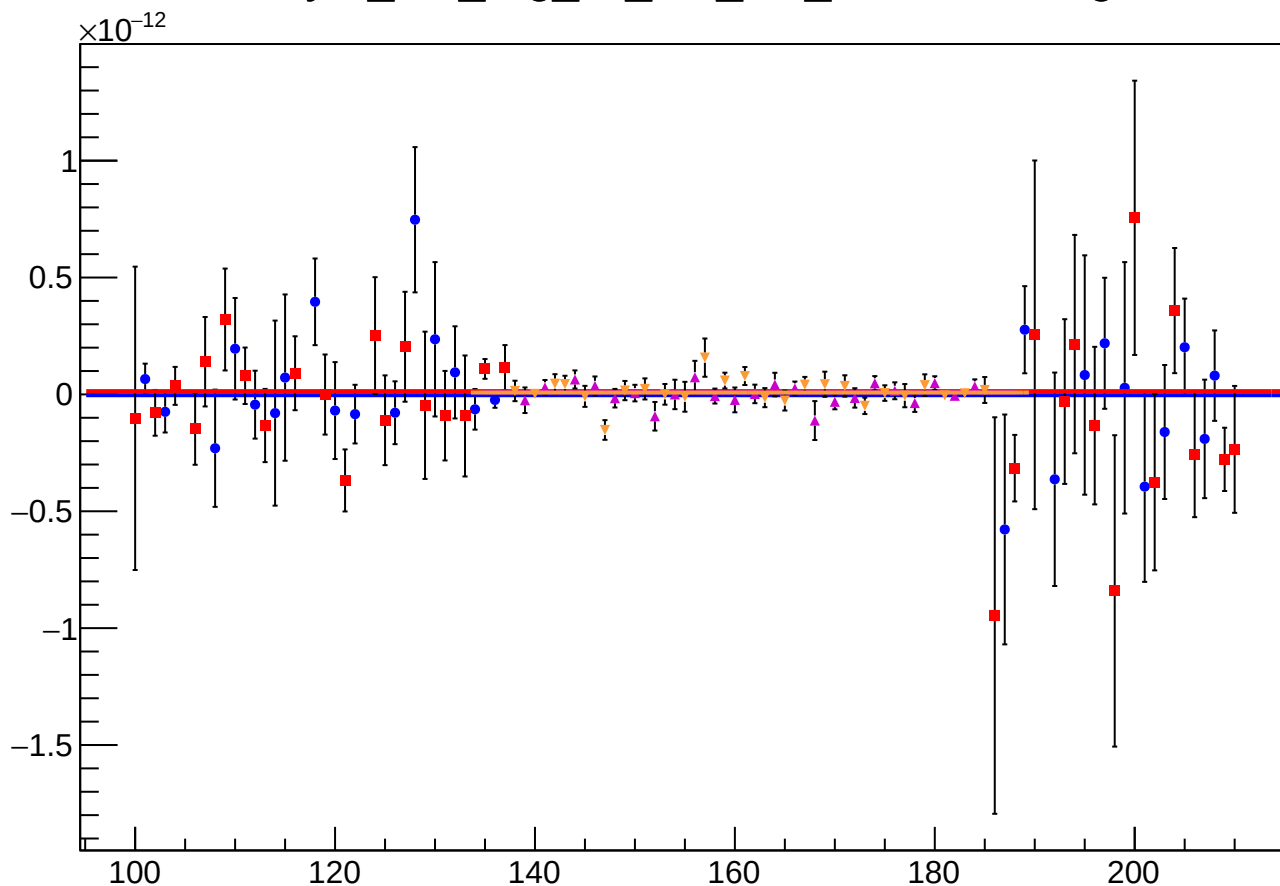
asym_usr_rms vs Slug



Right In: 2367.756 ± 0.435 χ^2/NDF : 1871285.6/26
 Left Out: 1892.117 ± 0.306 χ^2/NDF : 389648.0/24
 Right Out: 2472.641 ± 0.426 χ^2/NDF : 1940330.5/31
 Left In: 1881.892 ± 0.313 χ^2/NDF : 462659.6/22

+ sign 2049.737 ± 0.250 χ^2/NDF : 3059940.0/51
 All: 2069.216 ± 0.178 χ^2/NDF : 6722249.2/10
 - sign 2088.998 ± 0.252 χ^2/NDF : 3650119.1/54

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.3/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 32.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 42.5/31

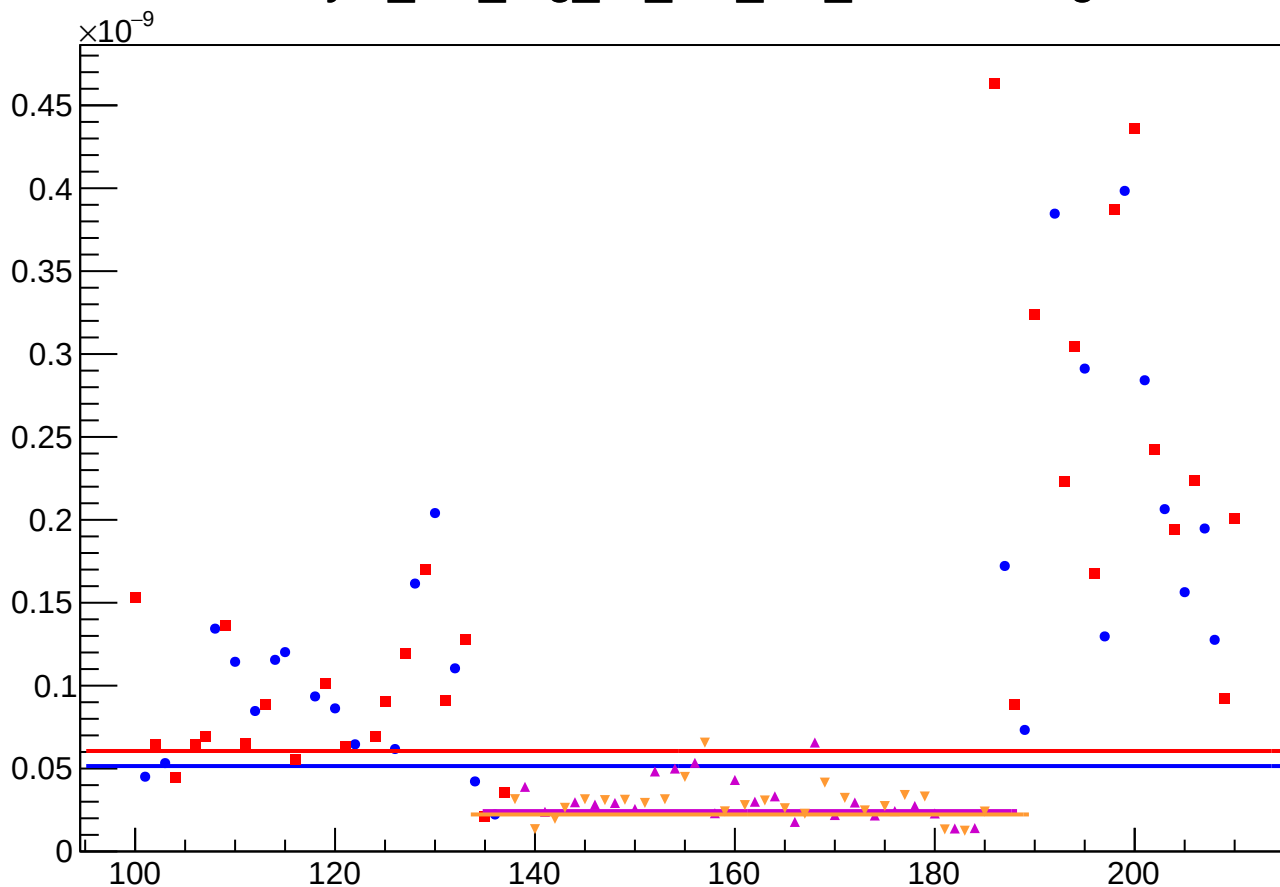
Left In: 0.000 ± 0.000 χ^2/NDF : 19.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 56.9/51

All: 0.000 ± 0.000 χ^2/NDF : 118.5/106

- sign 0.000 ± 0.000 χ^2/NDF : 61.6/54

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8560687.9/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8603655.5/31

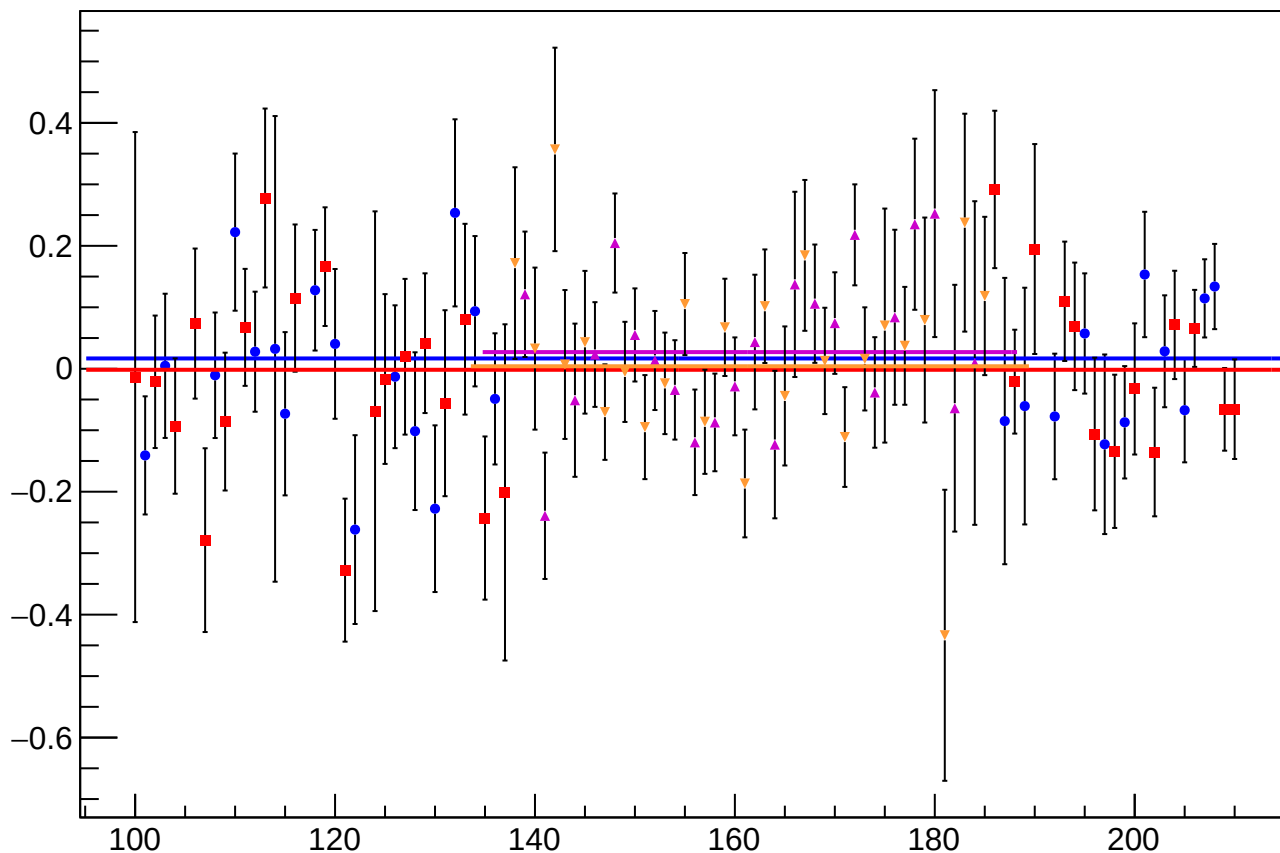
Left In: 0.000+/-0.000 χ^2/NDF : 3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 15070521.4/51

All: 0.000+/-0.000 χ^2/NDF : 30692572.5/106

- sign 0.000+/-0.000 χ^2/NDF : 15478486.2/54

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 ± 0.021 χ^2/NDF : 29.4/26

Left Out: 0.004 ± 0.020 χ^2/NDF : 28.2/24

Right Out: -0.002 ± 0.019 χ^2/NDF : 41.0/31

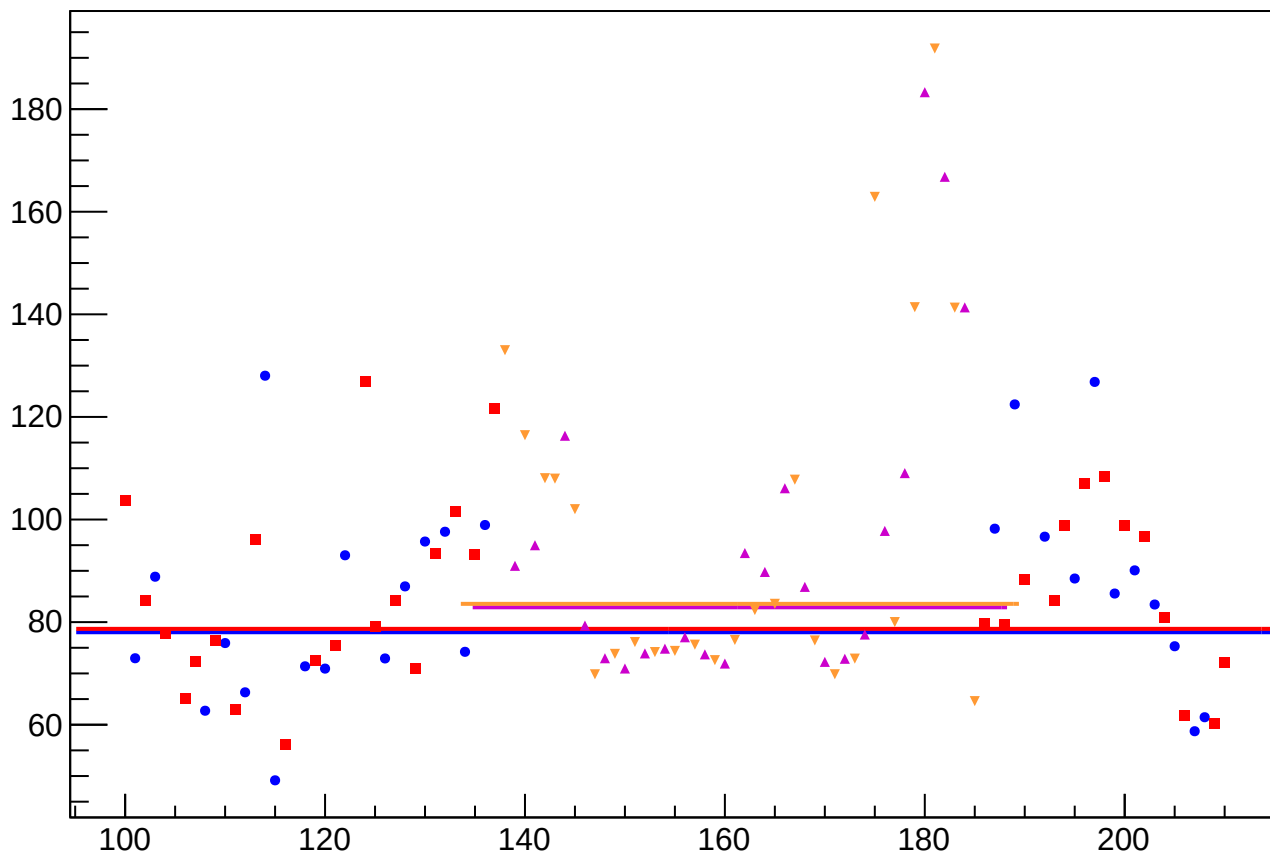
Left In: 0.027 ± 0.021 χ^2/NDF : 32.0/22

+ sign 0.010 ± 0.014 χ^2/NDF : 57.7/51

All: 0.011 ± 0.010 χ^2/NDF : 131.7/106

- sign 0.012 ± 0.014 χ^2/NDF : 73.9/54

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 78.030 ± 0.015 $\chi^2/\text{NDF}: 1203599.8/26$

Left Out: 83.564 ± 0.014 $\chi^2/\text{NDF}: 2172931.4/24$

Right Out: 78.689 ± 0.014 $\chi^2/\text{NDF}: 1145082.3/31$

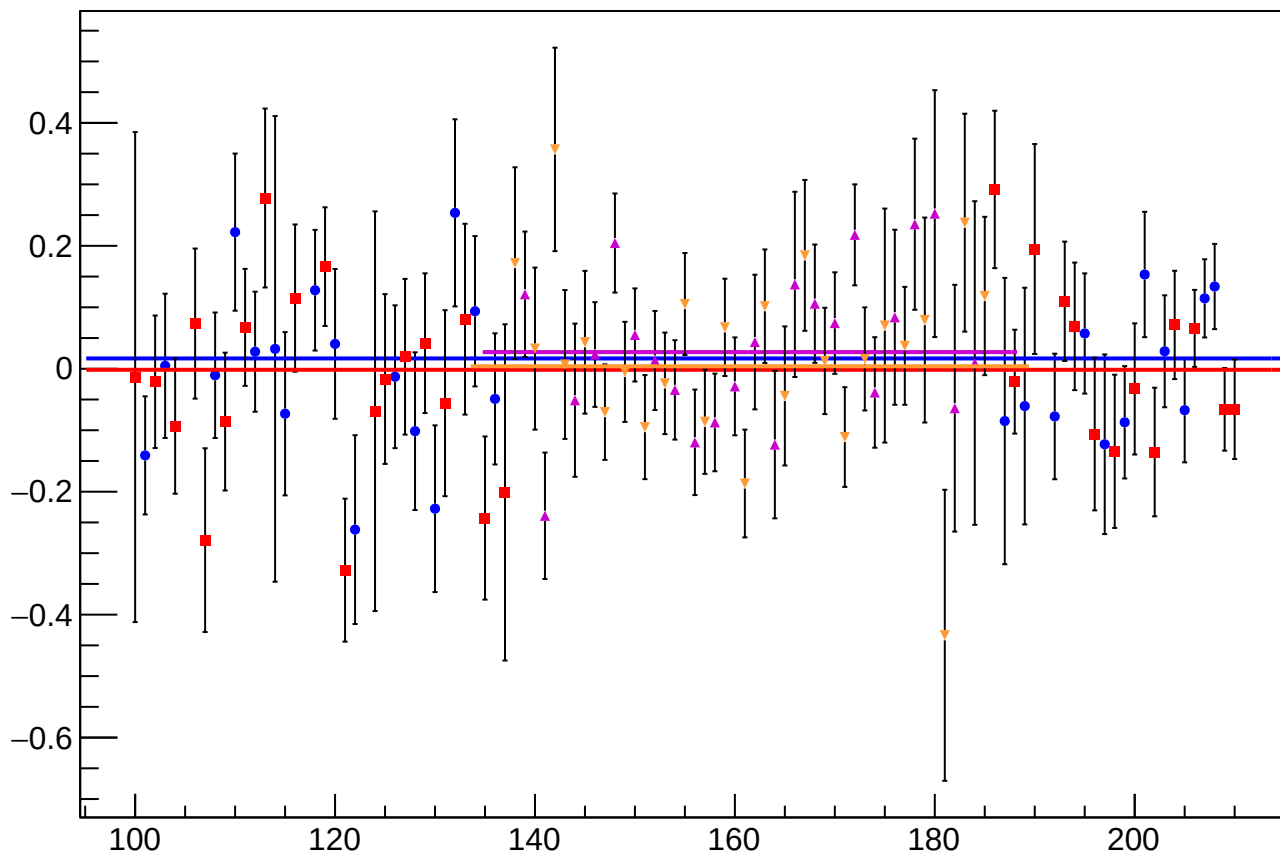
Left In: 82.891 ± 0.015 $\chi^2/\text{NDF}: 1573003.1/22$

+ sign 80.853 ± 0.010 $\chi^2/\text{NDF}: 3449349.0/51$

All: 80.764 ± 0.007 $\chi^2/\text{NDF}: 6211584.5/106$

- sign 80.679 ± 0.010 $\chi^2/\text{NDF}: 2762089.1/54$

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 ± 0.021 χ^2/NDF : 29.4/26

Left Out: 0.004 ± 0.020 χ^2/NDF : 28.2/24

Right Out: -0.002 ± 0.019 χ^2/NDF : 41.0/31

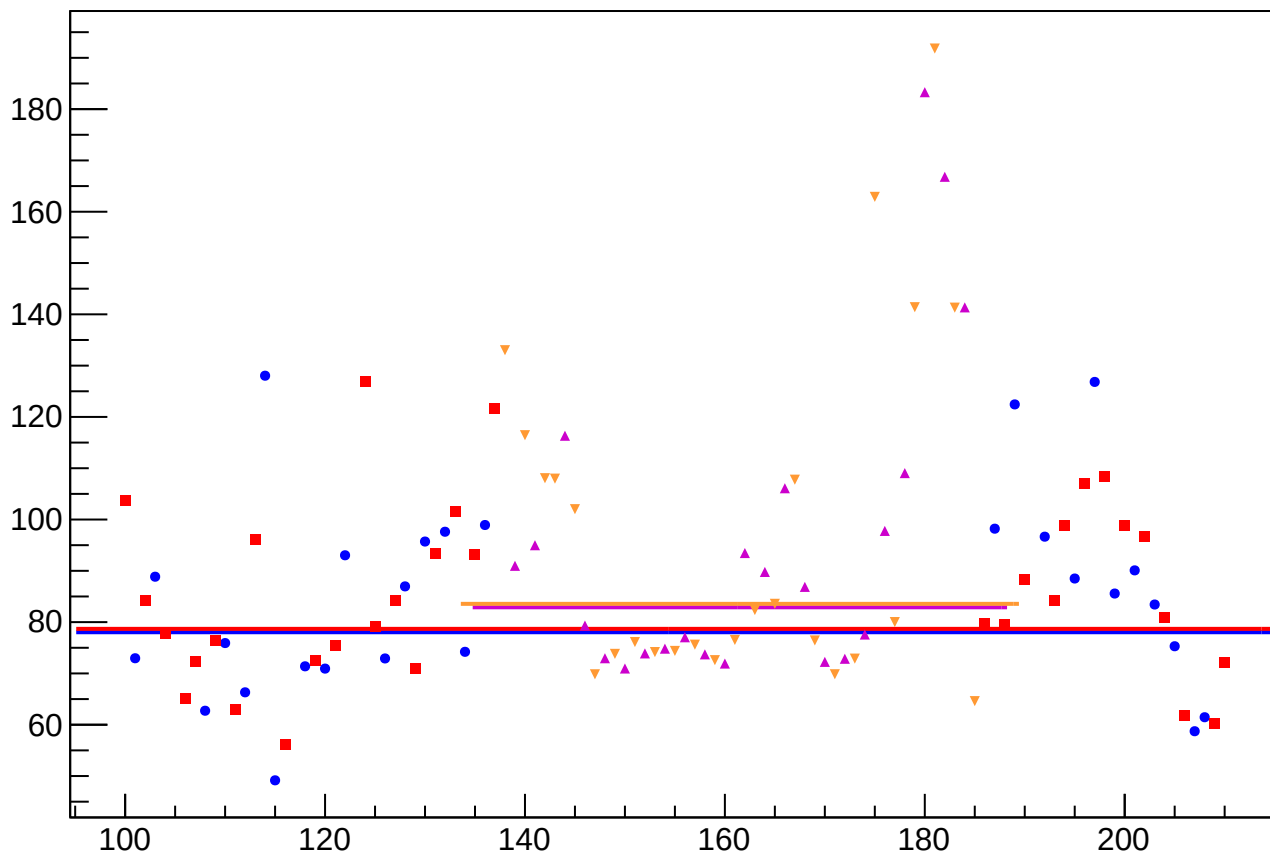
Left In: 0.027 ± 0.021 χ^2/NDF : 32.0/22

+ sign 0.010 ± 0.014 χ^2/NDF : 57.7/51

All: 0.011 ± 0.010 χ^2/NDF : 131.7/106

- sign 0.012 ± 0.014 χ^2/NDF : 73.9/54

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 78.030 ± 0.015 $\chi^2/\text{NDF}: 1203599.8/26$

Left Out: 83.564 ± 0.014 $\chi^2/\text{NDF}: 2172931.4/24$

Right Out: 78.689 ± 0.014 $\chi^2/\text{NDF}: 1145082.3/31$

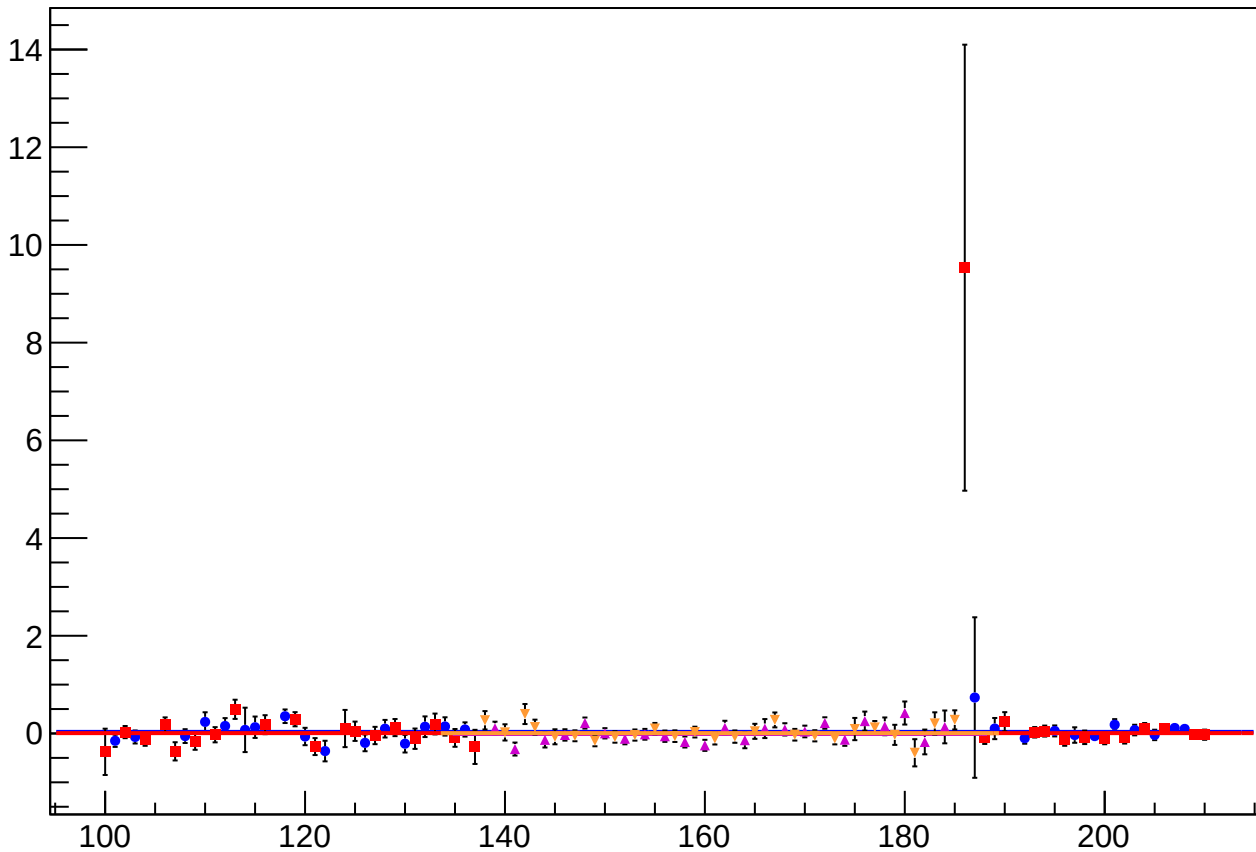
Left In: 82.891 ± 0.015 $\chi^2/\text{NDF}: 1573003.1/22$

+ sign 80.853 ± 0.010 $\chi^2/\text{NDF}: 3449349.0/51$

All: 80.764 ± 0.007 $\chi^2/\text{NDF}: 6211584.5/106$

- sign 80.679 ± 0.010 $\chi^2/\text{NDF}: 2762089.1/54$

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.032 ± 0.027 χ^2/NDF : 24.3/26

Left Out: 0.006 ± 0.028 χ^2/NDF : 21.3/24

Right Out: 0.007 ± 0.025 χ^2/NDF : 35.8/31

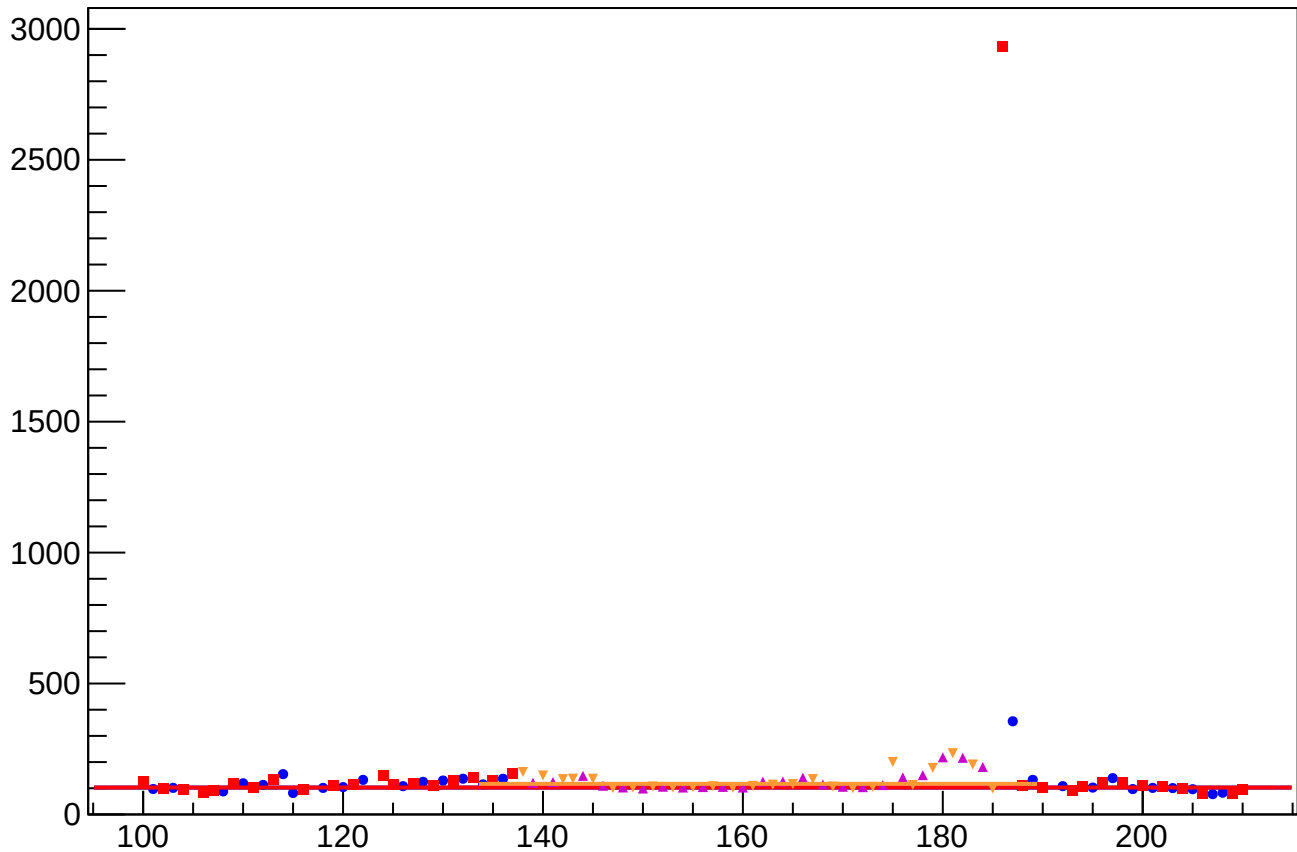
Left In: -0.010 ± 0.028 χ^2/NDF : 31.3/22

+ sign 0.020 ± 0.019 χ^2/NDF : 46.1/51

All: 0.009 ± 0.013 χ^2/NDF : 114.0/106

- sign -0.001 ± 0.019 χ^2/NDF : 67.3/54

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 102.530 $\pm$ 0.019 χ^2 /NDF: 851001.3/26

Left Out: 116.880 $\pm$ 0.020 χ^2 /NDF: 1596935.1/24

Right Out: 102.760 $\pm$ 0.018 χ^2 /NDF: 1559348.6/31

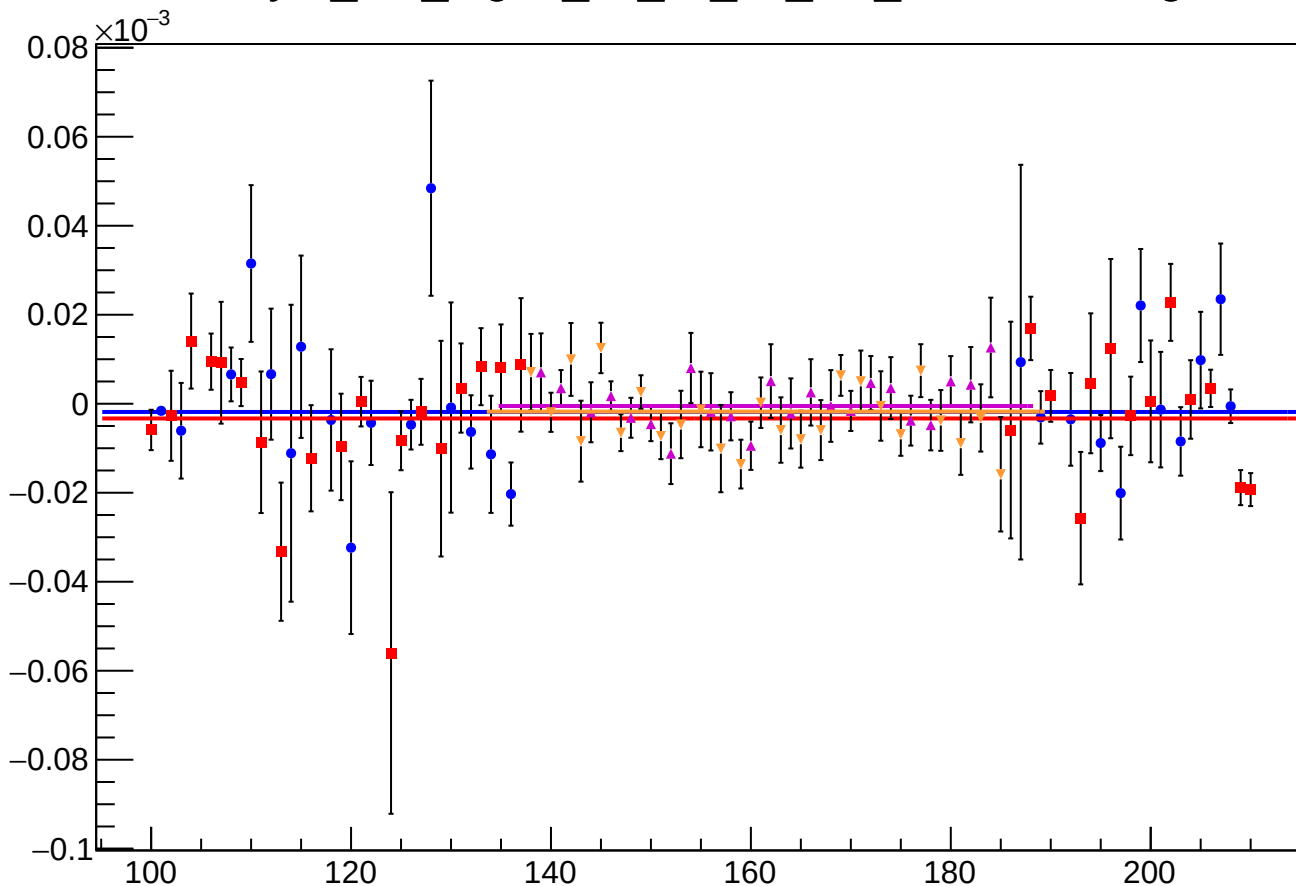
Left In: 115.858 $\pm$ 0.020 χ^2 /NDF: 1231382.1/22

+ sign 109.478 $\pm$ 0.014 χ^2 /NDF: 2723555.4/51

All: 109.042 $\pm$ 0.010 χ^2 /NDF: 5755087.2/106

- sign 108.626 $\pm$ 0.013 χ^2 /NDF: 3029540.0/54

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 35.5/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 31.1/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 80.6/31

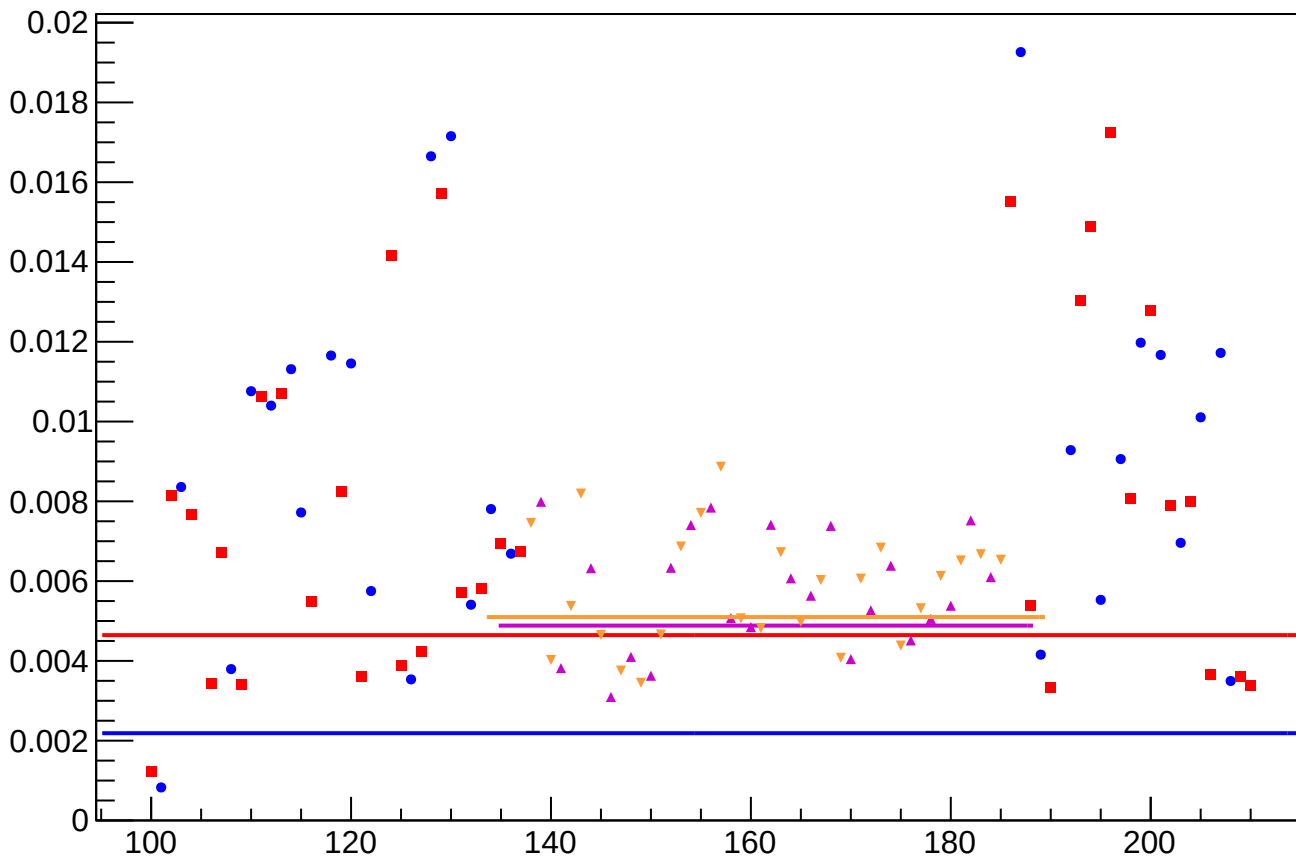
Left In: -0.000 ± 0.000 χ^2/NDF : 15.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 66.5/51

All: -0.000 ± 0.000 χ^2/NDF : 165.2/106

- sign -0.000 ± 0.000 χ^2/NDF : 98.7/54

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 18504415.1/26

Left Out: 0.005+/-0.000 χ^2/NDF : 2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 8268137.6/31

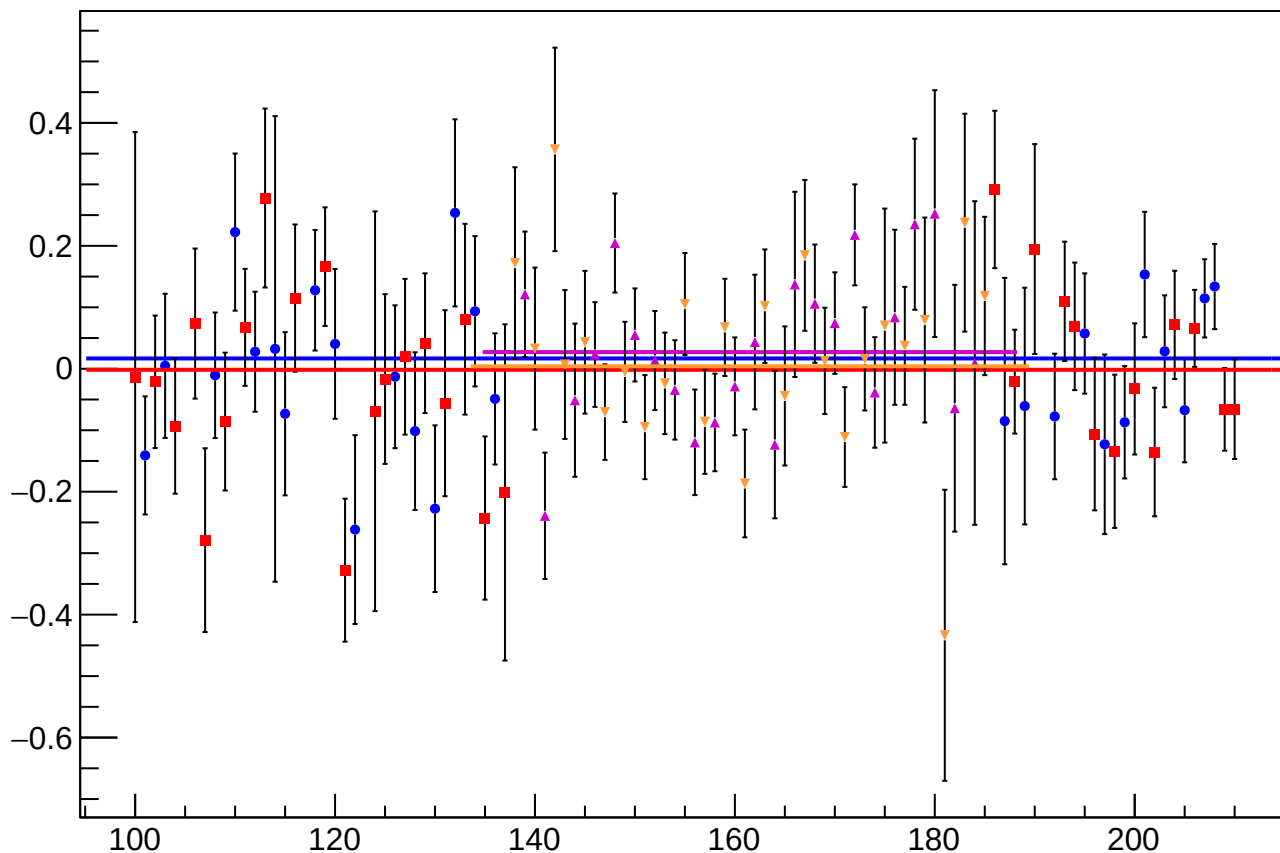
Left In: 0.005+/-0.000 χ^2/NDF : 2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 28343059.0/51

All: 0.004+/-0.000 χ^2/NDF : 43095665.4/106

- sign 0.005+/-0.000 χ^2/NDF : 11029349.3/54

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 ± 0.021 χ^2/NDF : 29.4/26

Left Out: 0.004 ± 0.020 χ^2/NDF : 28.2/24

Right Out: -0.002 ± 0.019 χ^2/NDF : 41.0/31

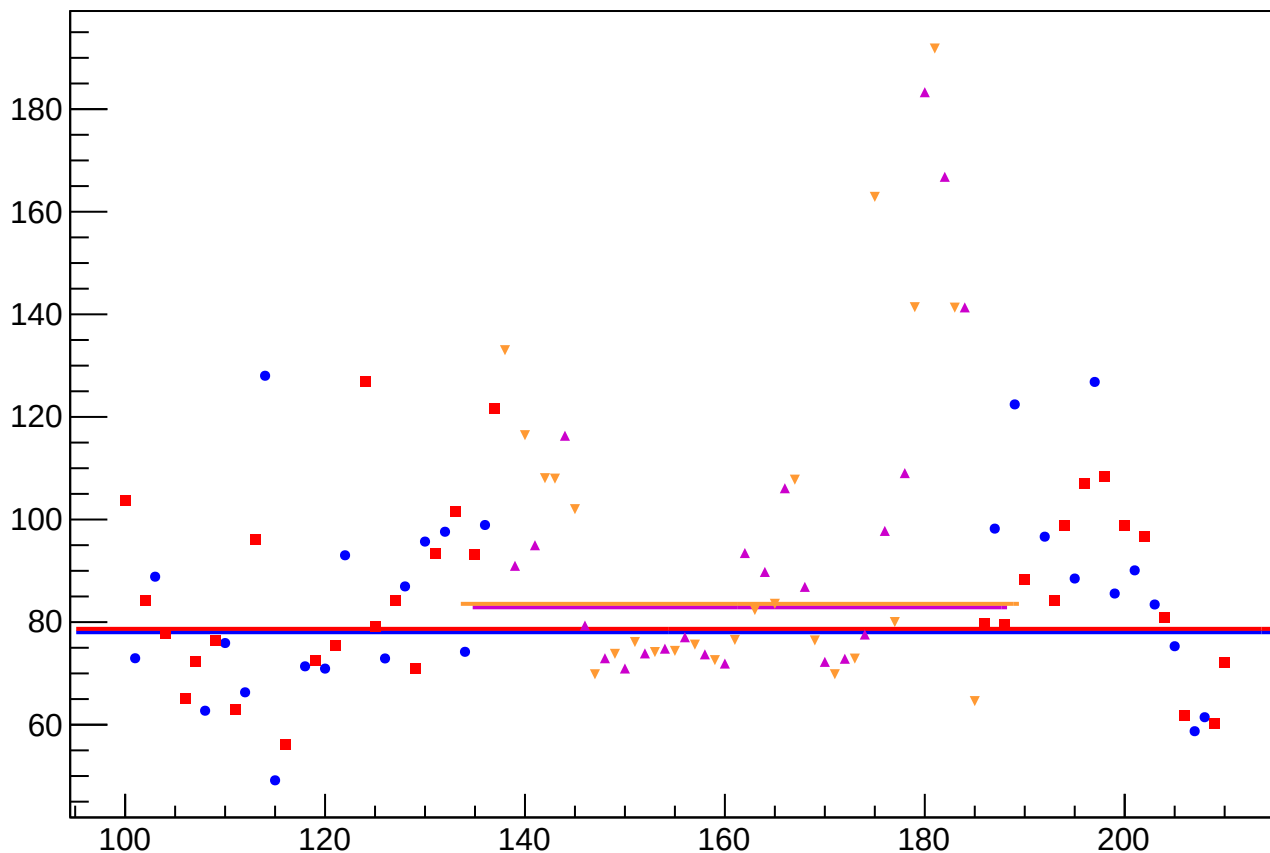
Left In: 0.027 ± 0.021 χ^2/NDF : 32.0/22

+ sign 0.010 ± 0.014 χ^2/NDF : 57.7/51

All: 0.011 ± 0.010 χ^2/NDF : 131.7/106

- sign 0.012 ± 0.014 χ^2/NDF : 73.9/54

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 78.030 $\pm$ 0.015 χ^2 /NDF: 1203508.5/26

Left Out: 83.565 $\pm$ 0.014 χ^2 /NDF: 2172921.0/24

Right Out: 78.689 $\pm$ 0.014 χ^2 /NDF: 1145019.9/31

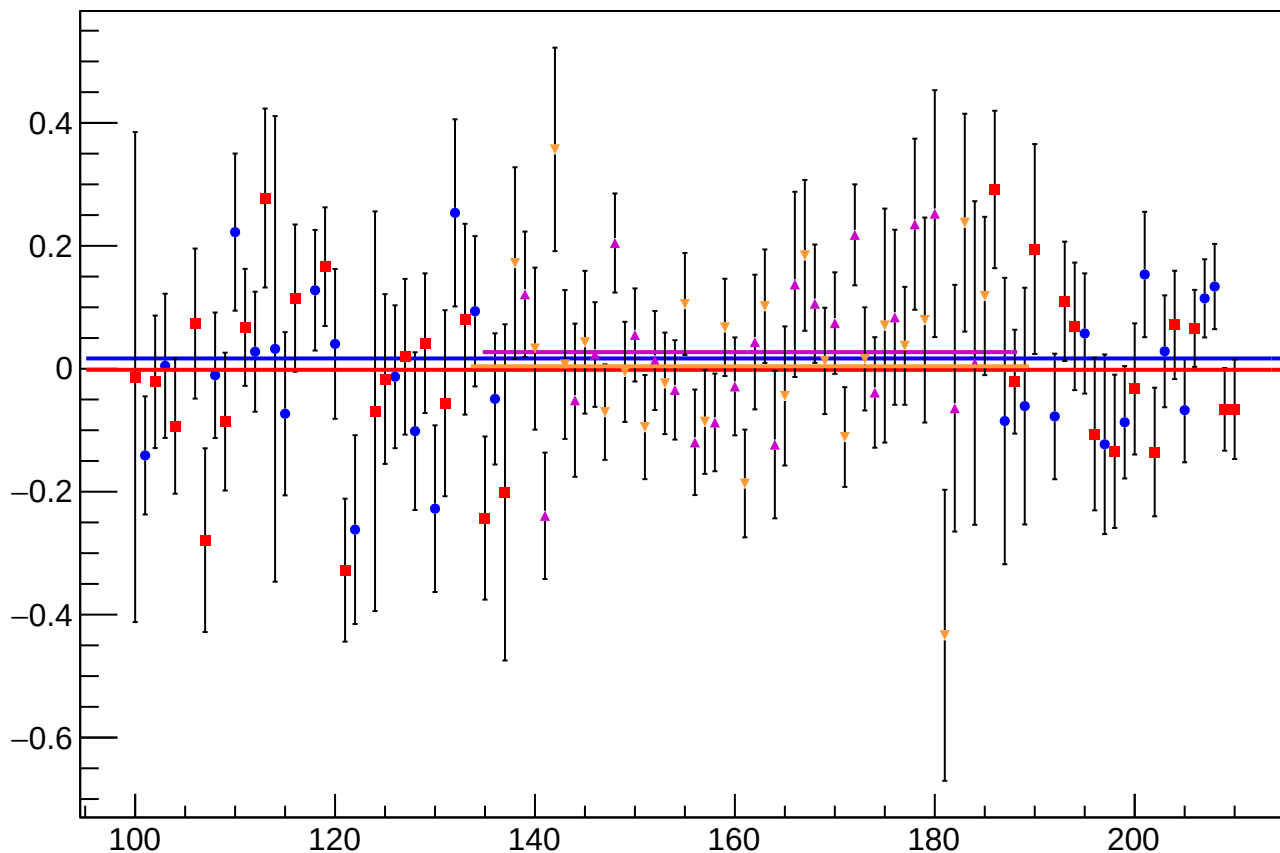
Left In: 82.891 $\pm$ 0.015 χ^2 /NDF: 1572981.0/22

+ sign 80.853 $\pm$ 0.010 χ^2 /NDF: 3449262.0/51

All: 80.764 $\pm$ 0.007 χ^2 /NDF: 6211435.5/106

- sign 80.679 $\pm$ 0.010 χ^2 /NDF: 2762026.4/54

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 ± 0.021 χ^2/NDF : 29.4/26

Left Out: 0.004 ± 0.020 χ^2/NDF : 28.2/24

Right Out: -0.002 ± 0.019 χ^2/NDF : 41.0/31

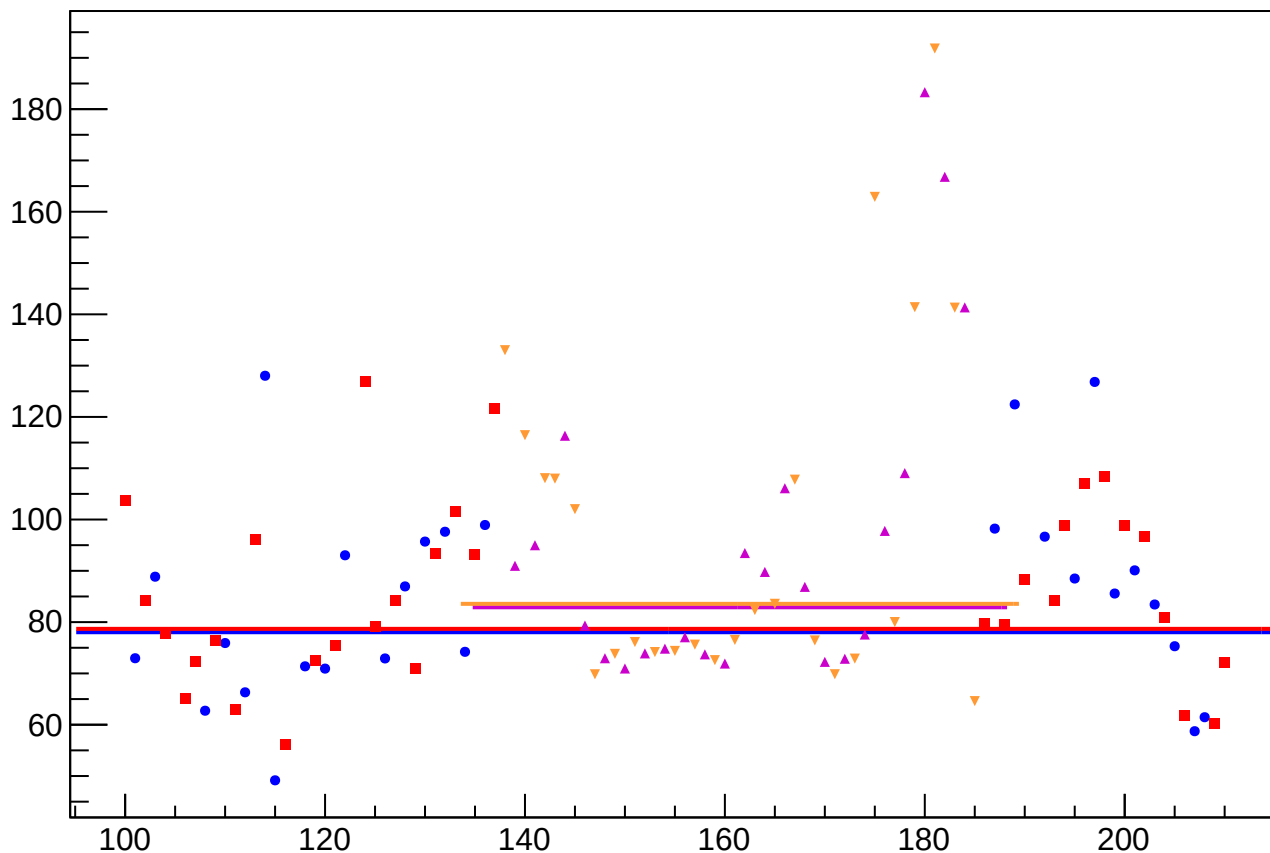
Left In: 0.027 ± 0.021 χ^2/NDF : 32.0/22

+ sign 0.010 ± 0.014 χ^2/NDF : 57.7/51

All: 0.011 ± 0.010 χ^2/NDF : 131.7/106

- sign 0.012 ± 0.014 χ^2/NDF : 73.9/54

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 78.030 $\pm$ 0.015 χ^2 /NDF: 1203508.5/26

Left Out: 83.565 $\pm$ 0.014 χ^2 /NDF: 2172921.0/24

Right Out: 78.689 $\pm$ 0.014 χ^2 /NDF: 1145019.9/31

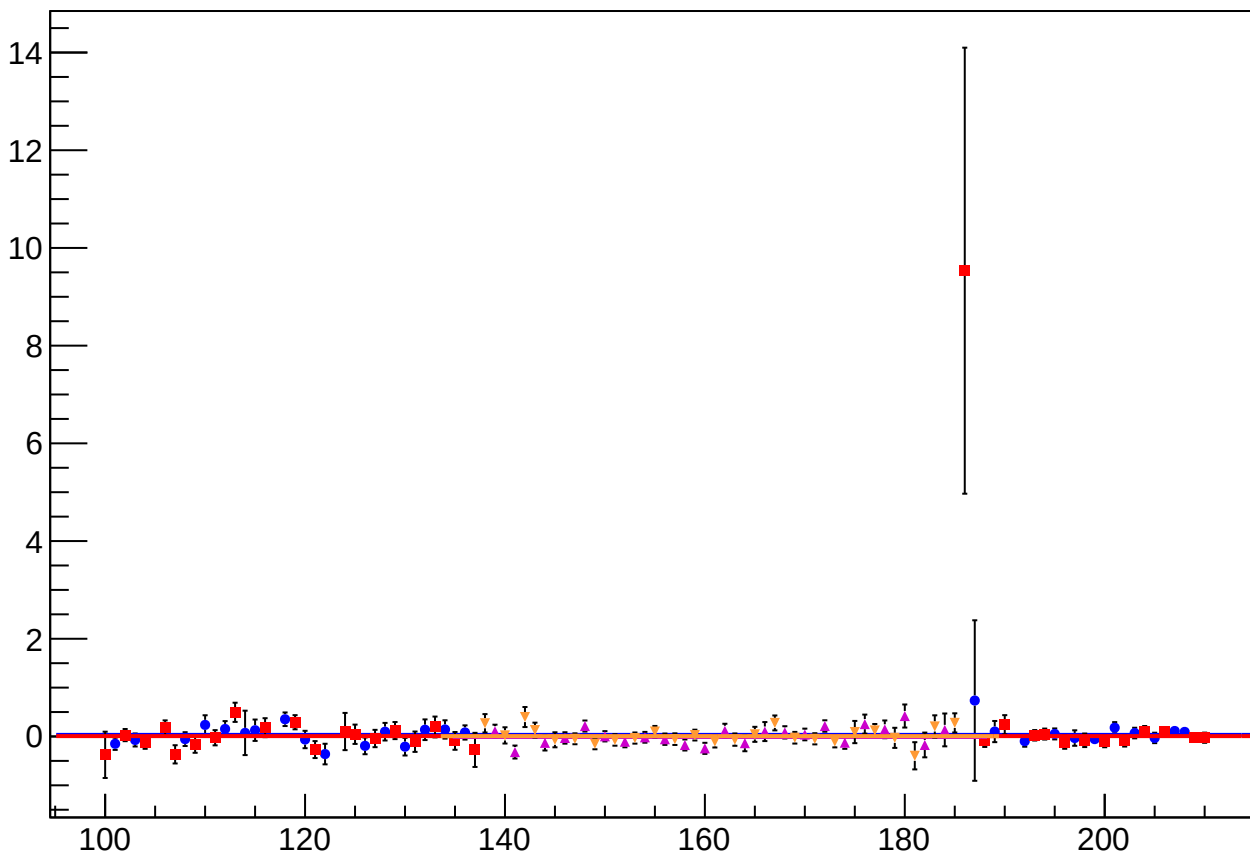
Left In: 82.891 $\pm$ 0.015 χ^2 /NDF: 1572981.0/22

+ sign 80.853 $\pm$ 0.010 χ^2 /NDF: 3449262.0/51

All: 80.764 $\pm$ 0.007 χ^2 /NDF: 6211435.5/106

- sign 80.679 $\pm$ 0.010 χ^2 /NDF: 2762026.4/54

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.032 ± 0.027 χ^2/NDF : 24.3/26

Left Out: 0.006 ± 0.028 χ^2/NDF : 21.3/24

Right Out: 0.007 ± 0.025 χ^2/NDF : 35.8/31

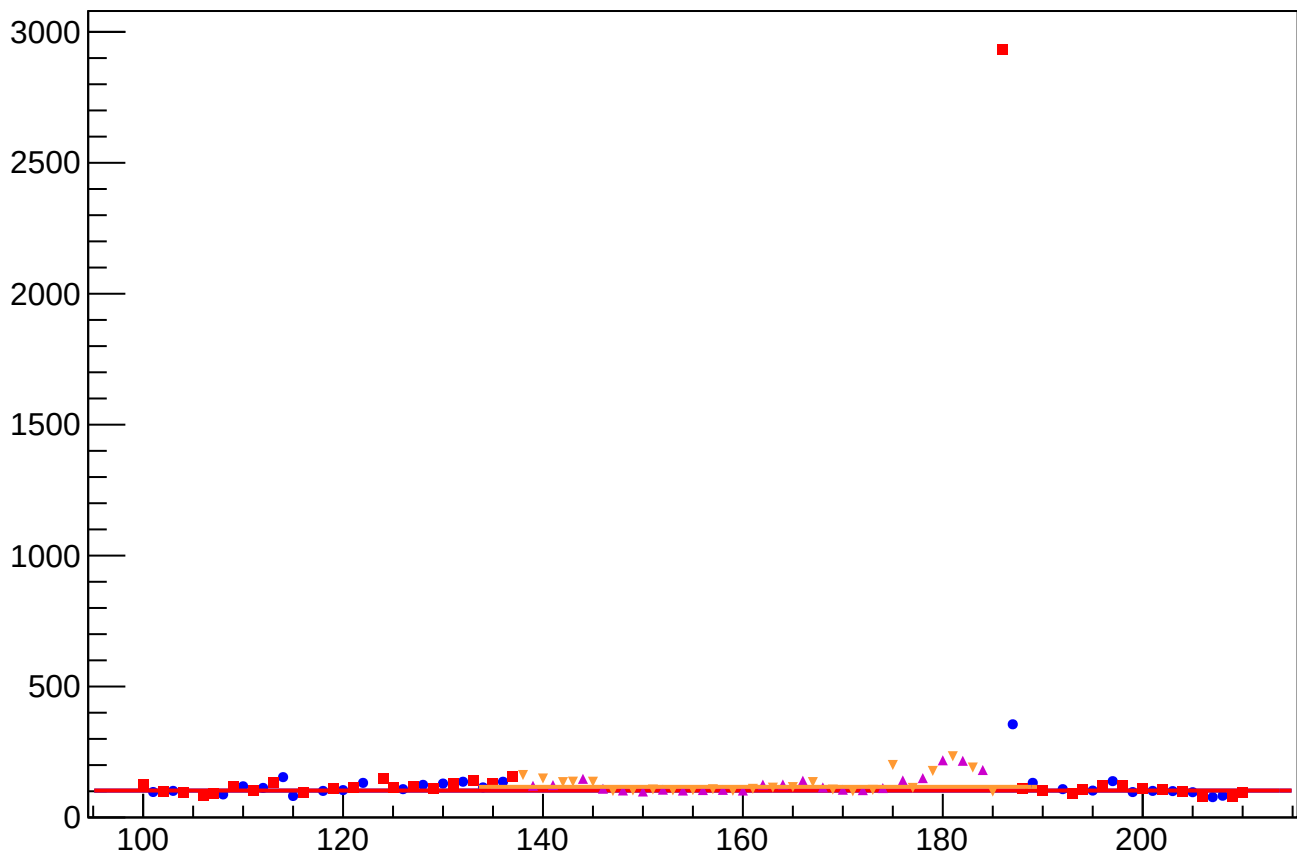
Left In: -0.010 ± 0.028 χ^2/NDF : 31.3/22

+ sign 0.020 ± 0.019 χ^2/NDF : 46.1/51

All: 0.009 ± 0.013 χ^2/NDF : 114.0/106

- sign -0.001 ± 0.019 χ^2/NDF : 67.3/54

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 102.530 $\pm$ 0.019 χ^2 /NDF: 850897.3/26

Left Out: 116.880 $\pm$ 0.020 χ^2 /NDF:1596928.7/24

Right Out: 102.760 $\pm$ 0.018 χ^2 /NDF: 1559278.4/31

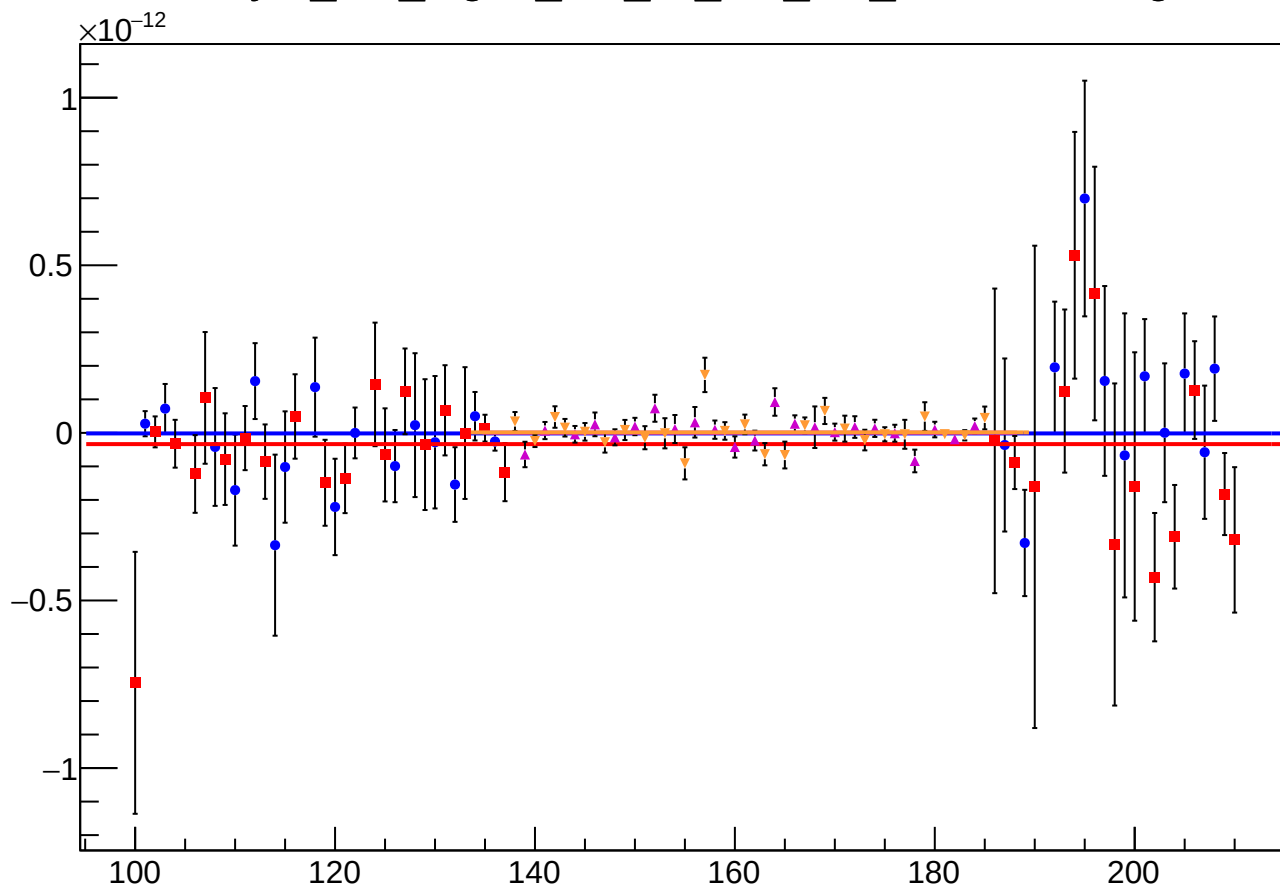
Left In: 115.858 $\pm$ 0.020 χ^2 /NDF:1231371.8/22

+ sign 109.478 $\pm$ 0.014 χ^2 /NDF: 2723453.5/51

All: 109.042 $\pm$ 0.010 χ^2 /NDF: 5754925.5/106

- sign 108.626 $\pm$ 0.013 χ^2 /NDF: 3029478.8/54

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 26.9/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 36.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 30.2/31

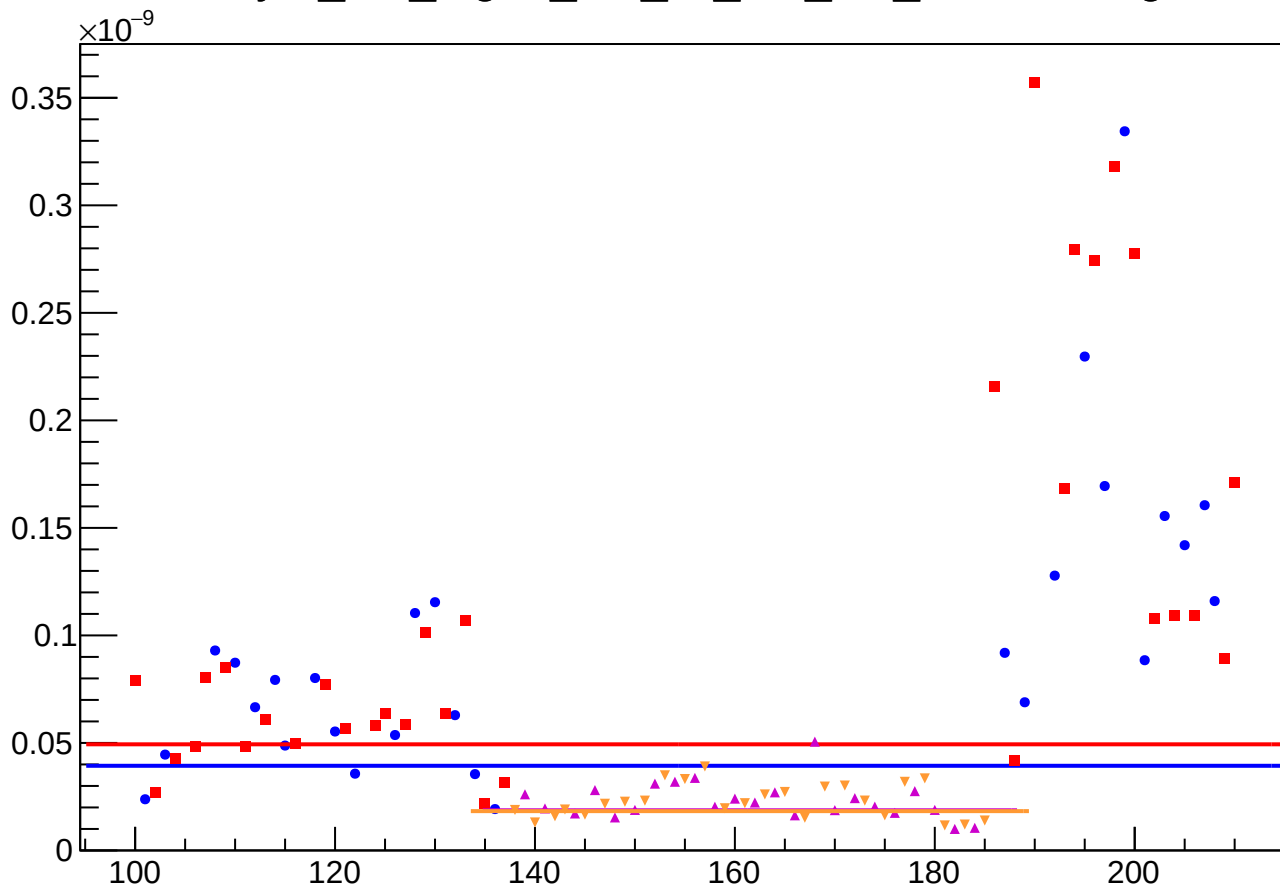
Left In: 0.000 ± 0.000 χ^2/NDF : 26.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 63.5/51

All: -0.000 ± 0.000 χ^2/NDF : 123.5/106

- sign -0.000 ± 0.000 χ^2/NDF : 59.7/54

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8007588.9/26

Left Out: 0.000+/-0.000 χ^2/NDF :3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7799370.3/31

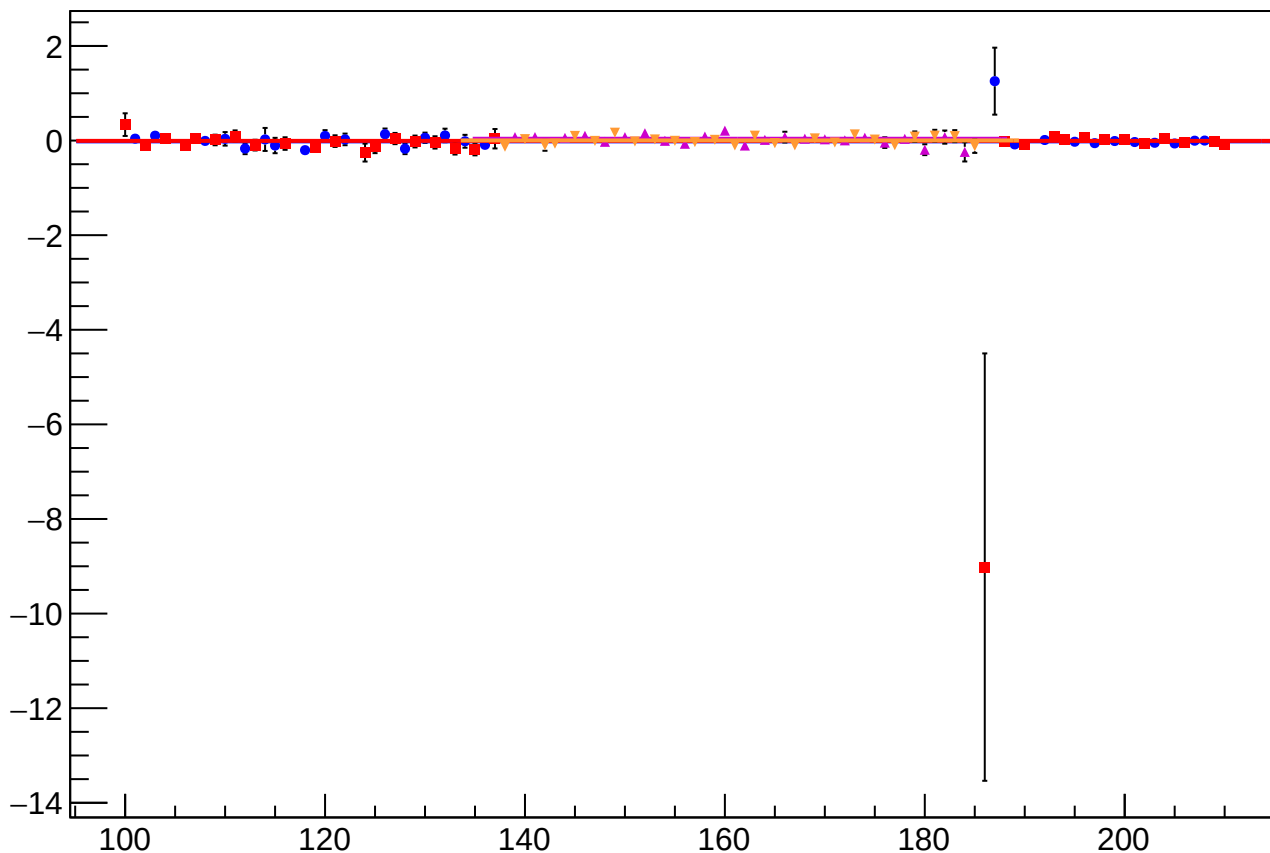
Left In: 0.000+/-0.000 χ^2/NDF :2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 13767693.6/51

All: 0.000+/-0.000 χ^2/NDF : 29108082.3/106

- sign 0.000+/-0.000 χ^2/NDF : 15312542.5/54

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.017 ± 0.013 χ^2/NDF : 24.0/26

Left Out: 0.003 ± 0.017 χ^2/NDF : 21.5/24

Right Out: -0.007 ± 0.012 χ^2/NDF : 38.1/31

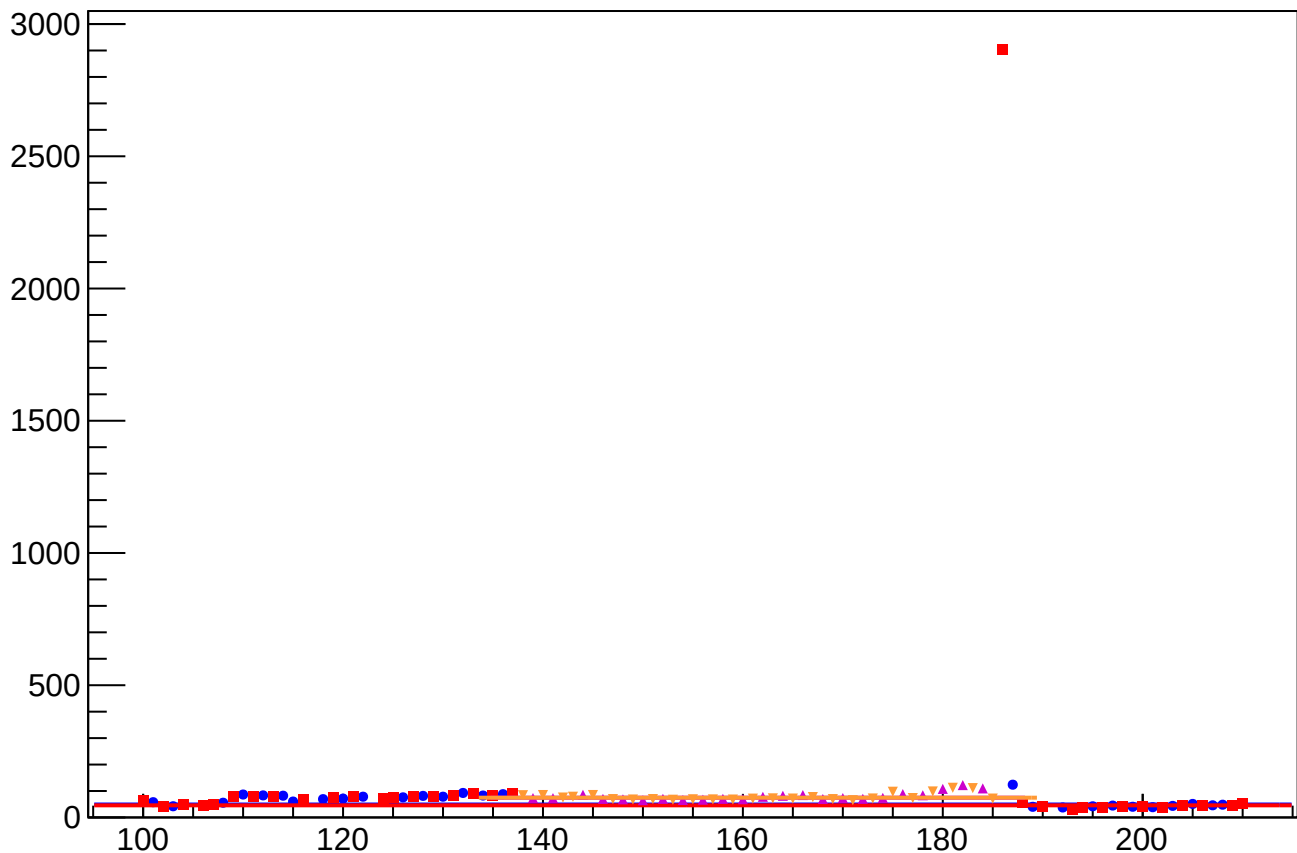
Left In: 0.038 ± 0.018 χ^2/NDF : 21.6/22

+ sign -0.010 ± 0.011 χ^2/NDF : 46.3/51

All: -0.001 ± 0.007 χ^2/NDF : 111.8/106

- sign 0.007 ± 0.010 χ^2/NDF : 64.1/54

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 48.972 $\pm$ 0.009 χ^2 /NDF: 2249000.0/26

Left Out: 74.749 $\pm$ 0.012 χ^2 /NDF: 744366.0/24

Right Out: 45.832 $\pm$ 0.008 χ^2 /NDF: 3629496.2/31

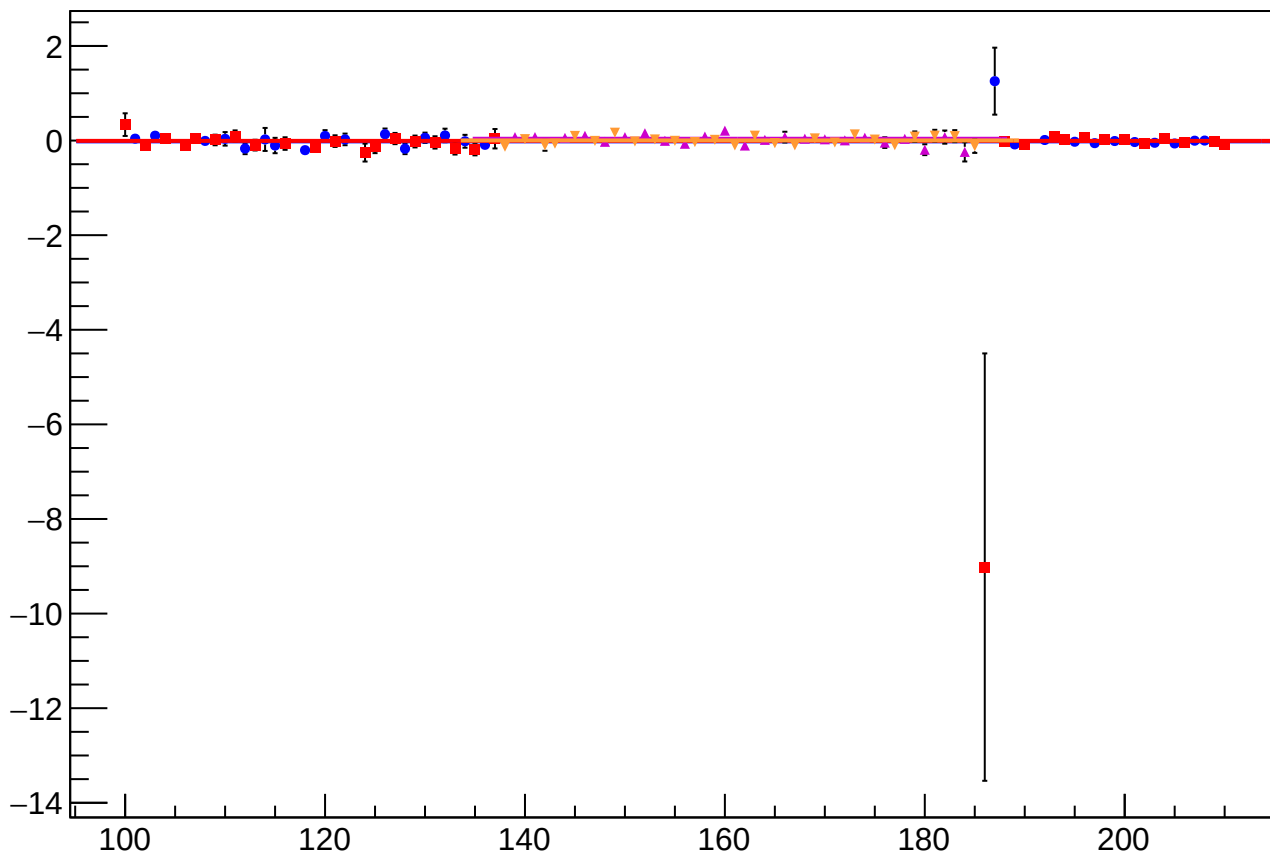
Left In: 74.601 $\pm$ 0.013 χ^2 /NDF: 713751.1/22

+ sign 58.356 $\pm$ 0.007 χ^2 /NDF: 5776489.9/51

All: 56.376 $\pm$ 0.005 χ^2 /NDF: 13850220.9/106

- sign 54.626 $\pm$ 0.007 χ^2 /NDF: 7940056.5/54

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017 ± 0.013 χ^2/NDF : 24.0/26

Left Out: 0.003 ± 0.017 χ^2/NDF : 21.5/24

Right Out: -0.007 ± 0.012 χ^2/NDF : 38.1/31

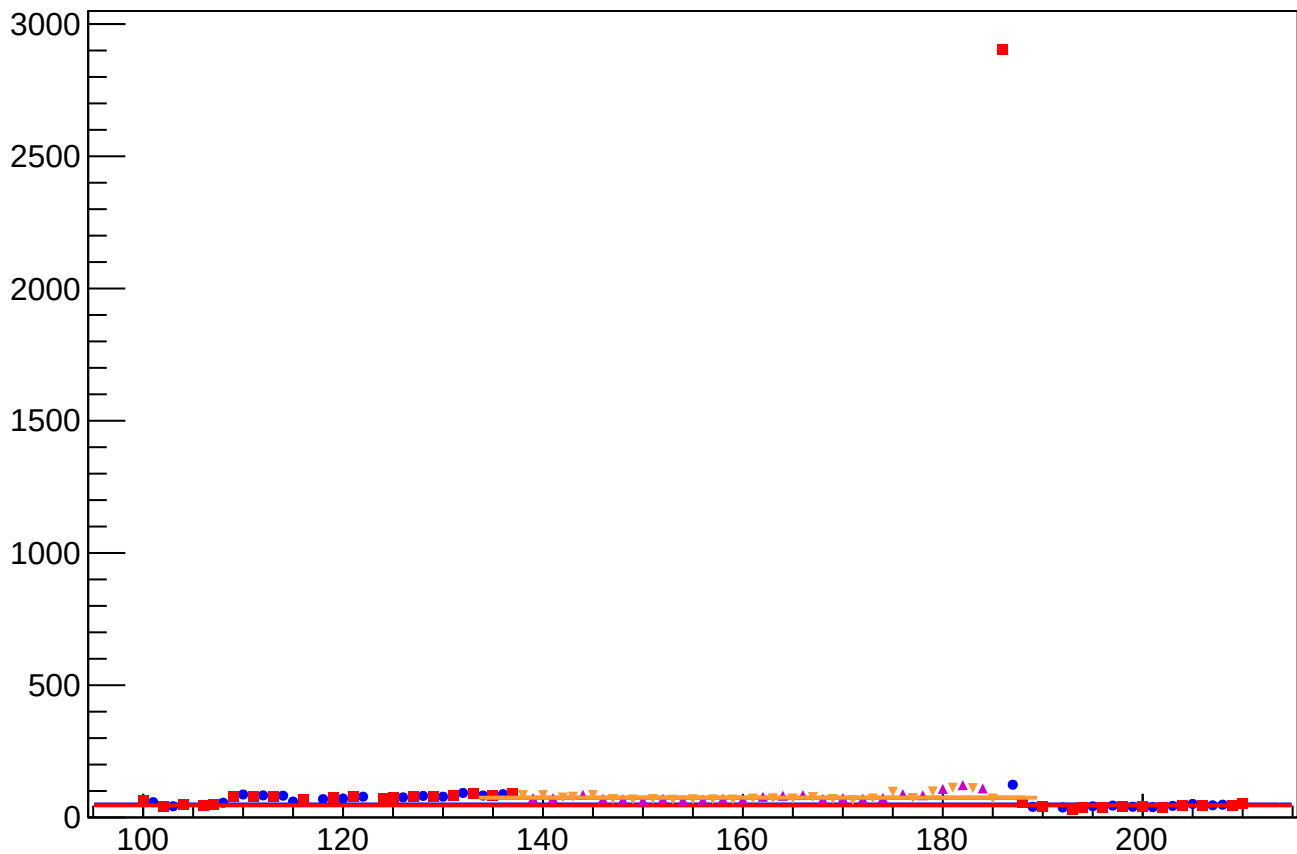
Left In: 0.038 ± 0.018 χ^2/NDF : 21.6/22

+ sign -0.010 ± 0.011 χ^2/NDF : 46.3/51

All: -0.001 ± 0.007 χ^2/NDF : 111.8/106

- sign 0.007 ± 0.010 χ^2/NDF : 64.1/54

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 48.972+/-0.009 χ^2/NDF : 2249000.0/26

Left Out: 74.749+/-0.012 χ^2/NDF : 744366.0/24

Right Out: 45.832+/-0.008 χ^2/NDF : 3629496.2/31

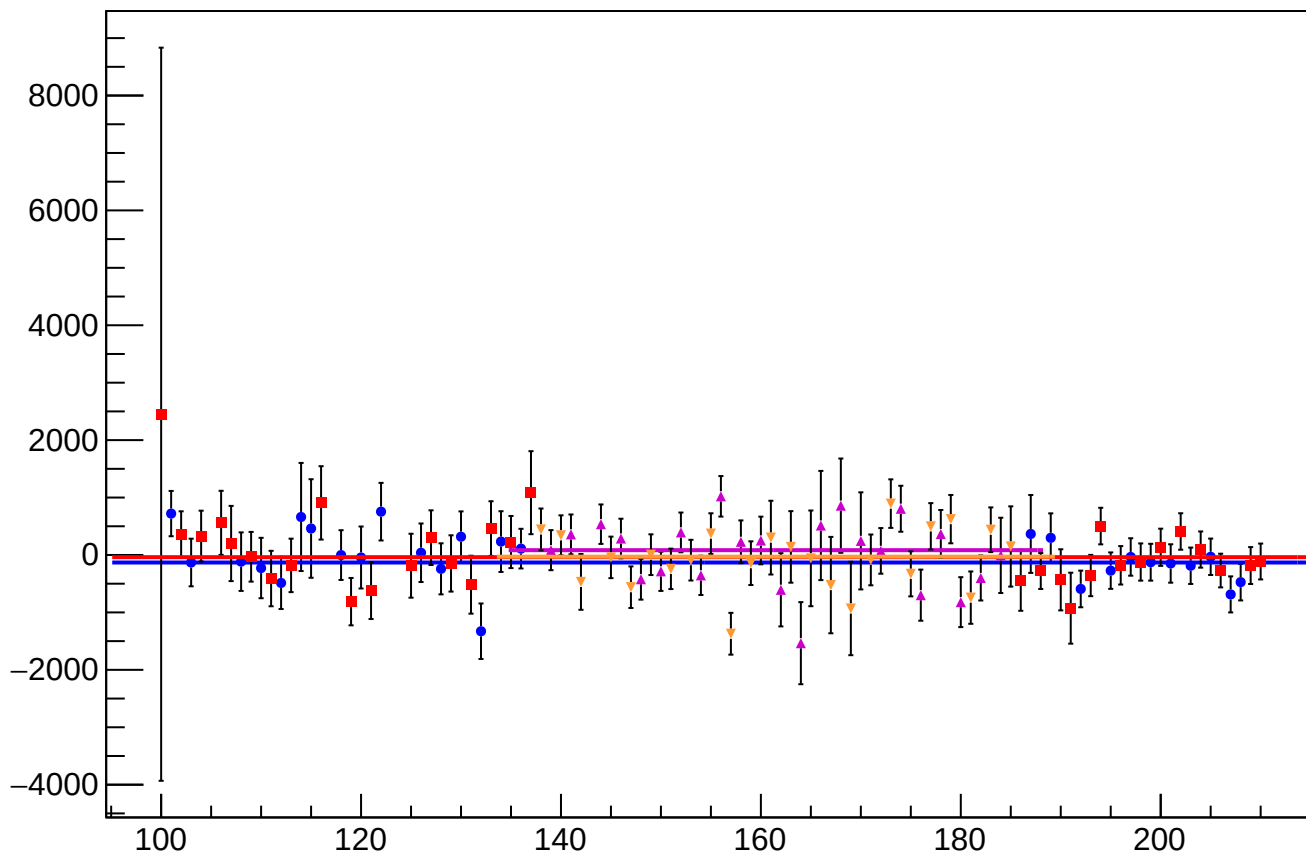
Left In: 74.601+/-0.013 χ^2/NDF : 713751.1/22

+ sign 58.356+/-0.007 χ^2/NDF : 5776489.9/51

All: 56.376+/-0.005 χ^2/NDF : 13850220.9/106

- sign 54.626+/-0.007 χ^2/NDF : 7940056.5/54

asym_dsl_mean vs Slug



Right In: -130.954 ± 77.715 χ^2/NDF : 26.4/26

Left Out: -29.346 ± 86.530 χ^2/NDF : 36.6/23

Right Out: -38.384 ± 73.044 χ^2/NDF : 27.3/31

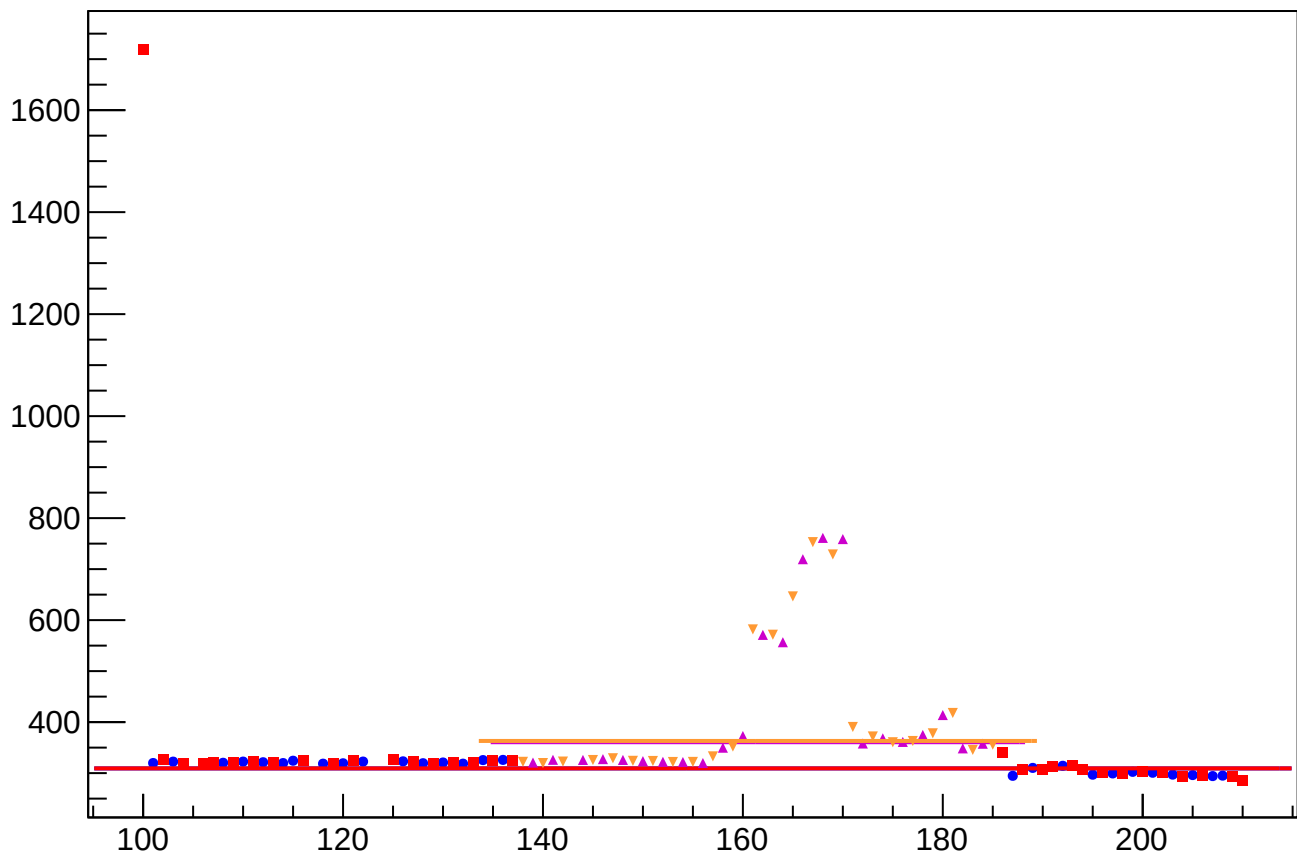
Left In: 83.719 ± 86.476 χ^2/NDF : 35.8/22

+ sign -85.588 ± 57.819 χ^2/NDF : 63.7/50

All: -34.824 ± 40.152 χ^2/NDF : 129.5/105

- sign 12.458 ± 55.801 χ^2/NDF : 64.3/54

asym_dsl_rms vs Slug



Right In: 309.178+/-0.055 χ^2/NDF : 45670.9/26

Left Out: 363.079+/-0.061 χ^2/NDF :1795570.0/23

Right Out: 309.281+/-0.052 χ^2/NDF : 161166.3/31

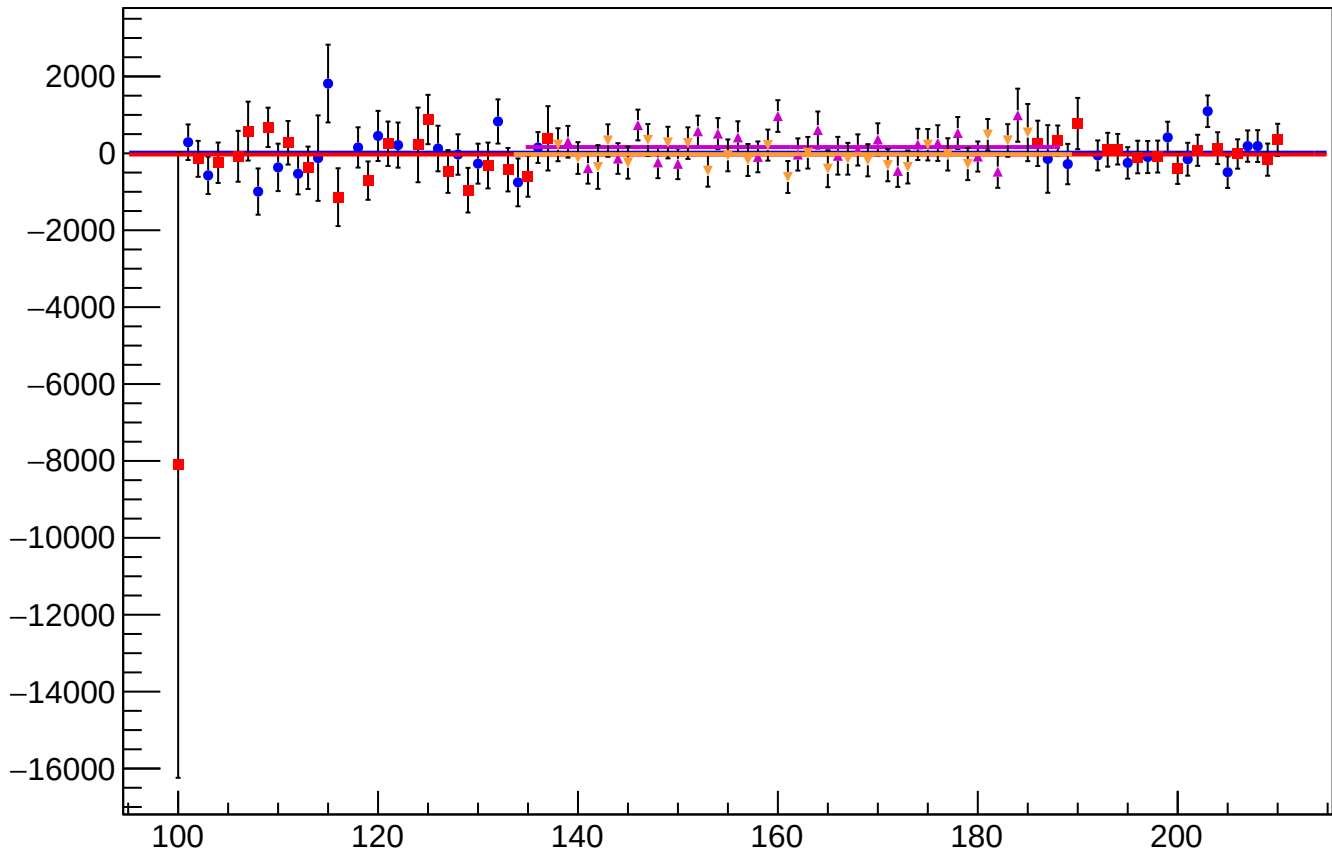
Left In: 360.585+/-0.061 χ^2/NDF :1817691.0/22

+ sign 333.244+/-0.041 χ^2/NDF : 2270801.0/50

All: 331.898+/-0.028 χ^2/NDF : 4662595.6/105

- sign 330.643+/-0.039 χ^2/NDF : 2389699.8/54

asym_dsr_mean vs Slug



Right In: 17.474 $\pm$ 95.814 χ^2 /NDF: 24.6/26

Left Out: -21.061 $\pm$ 85.620 χ^2 /NDF:12.6/24

Right Out: -30.646 $\pm$ 90.374 χ^2 /NDF: 20.7/31

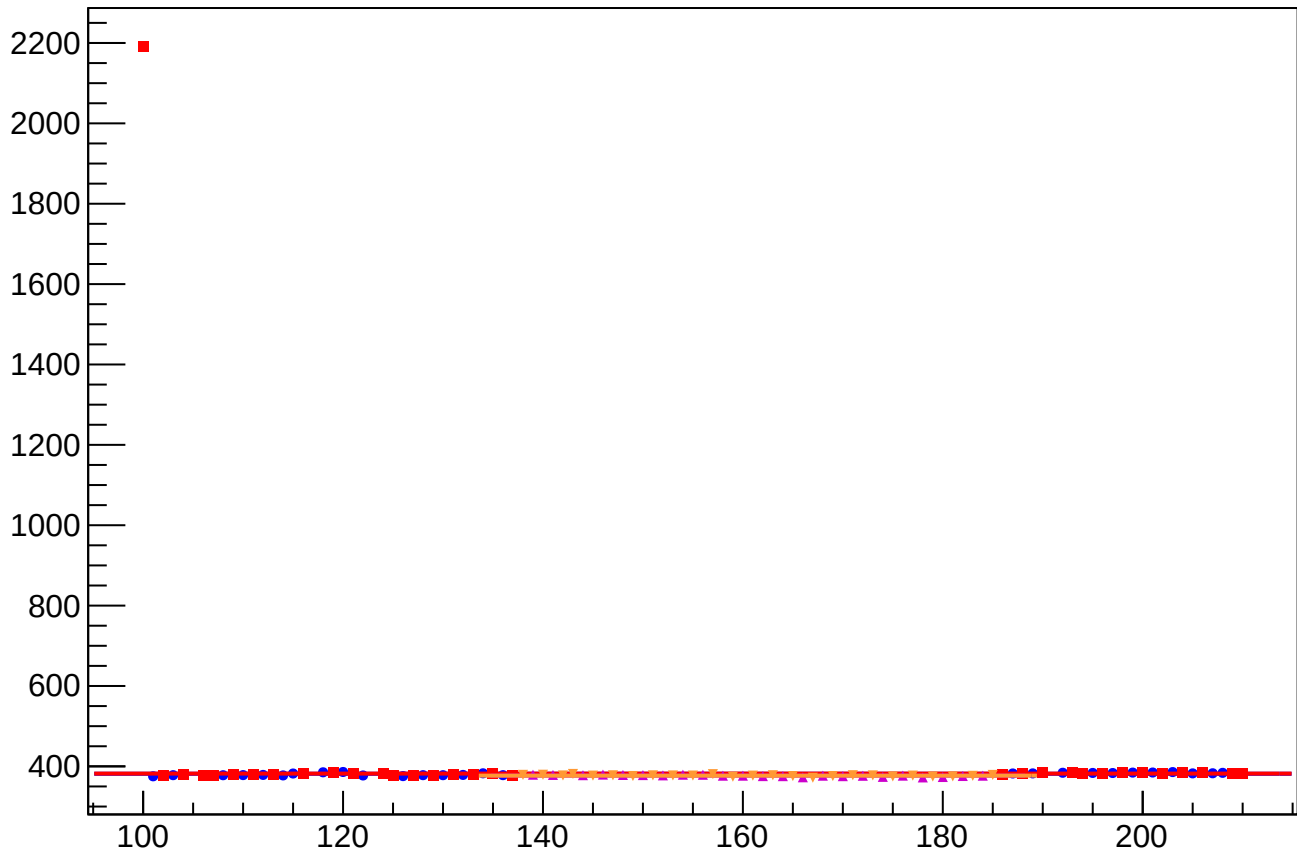
Left In: 162.992 $\pm$ 87.991 χ^2 /NDF:21.8/22

+ sign -3.952 $\pm$ 63.843 χ^2 /NDF: 37.3/51

All: 32.861 $\pm$ 44.859 χ^2 /NDF: 82.9/106

- sign 68.759 $\pm$ 63.045 χ^2 /NDF: 44.9/54

asym_dsr_rms vs Slug



Right In: 381.516 $\pm$ 0.068 χ^2 /NDF: 2240.5/26

Left Out: 376.906 $\pm$ 0.061 χ^2 /NDF:1058.3/24

Right Out: 381.993 $\pm$ 0.064 χ^2 /NDF: 100688.2/31

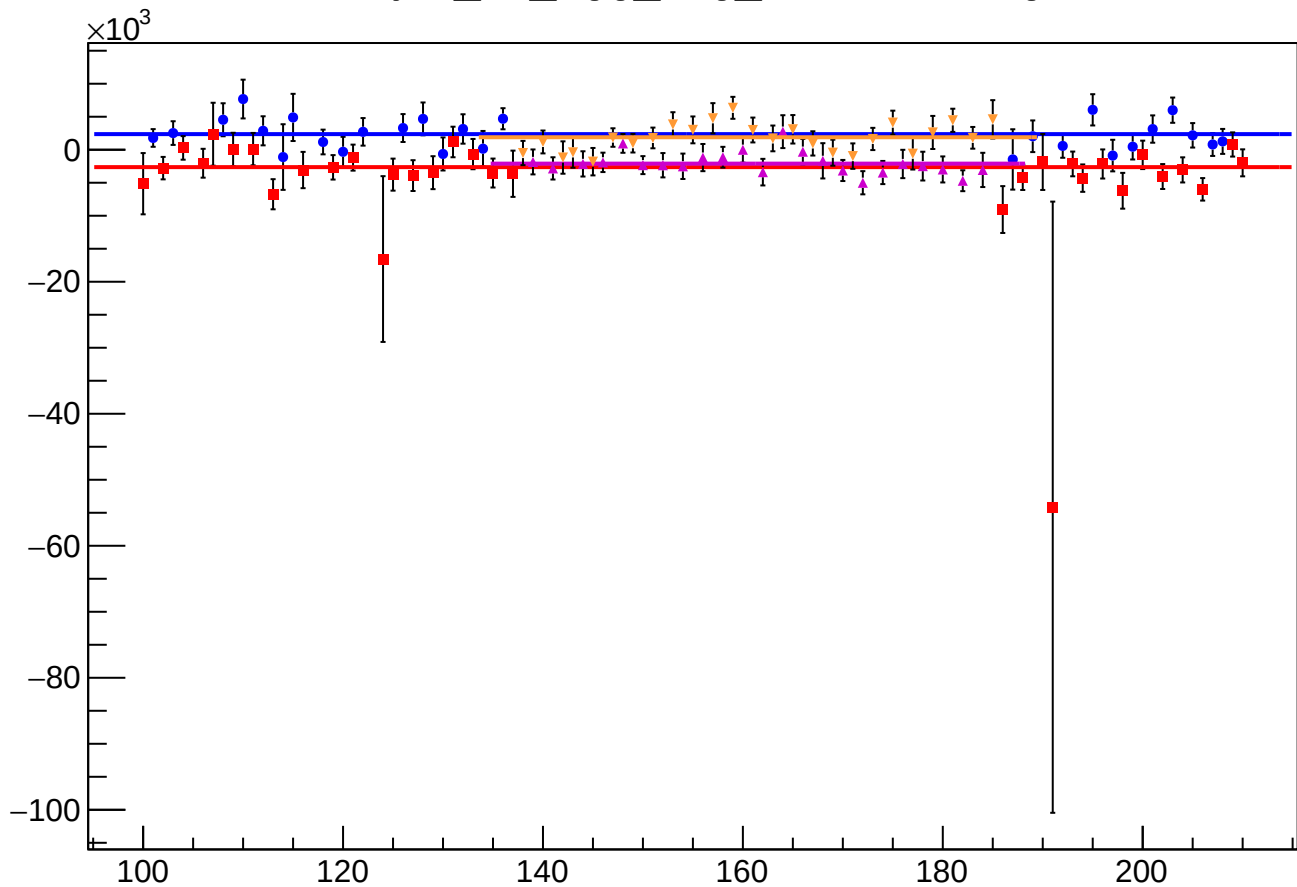
Left In: 376.846 $\pm$ 0.062 χ^2 /NDF:1074.1/22

+ sign 378.953 $\pm$ 0.045 χ^2 /NDF: 5873.6/51

All: 379.154 $\pm$ 0.032 χ^2 /NDF: 111006.0/106

- sign 379.351 $\pm$ 0.045 χ^2 /NDF: 105093.1/54

asym_us_agg_avg_mean vs Slug



Right In: 2365.678 $\pm$ 407.649 χ^2 /NDF: 24.4/26

Left Out: 1891.201 $\pm$ 375.290 χ^2 /NDF: 28.4/24

Right Out: -2635.427 $\pm$ 399.662 χ^2 /NDF: 32.4/32

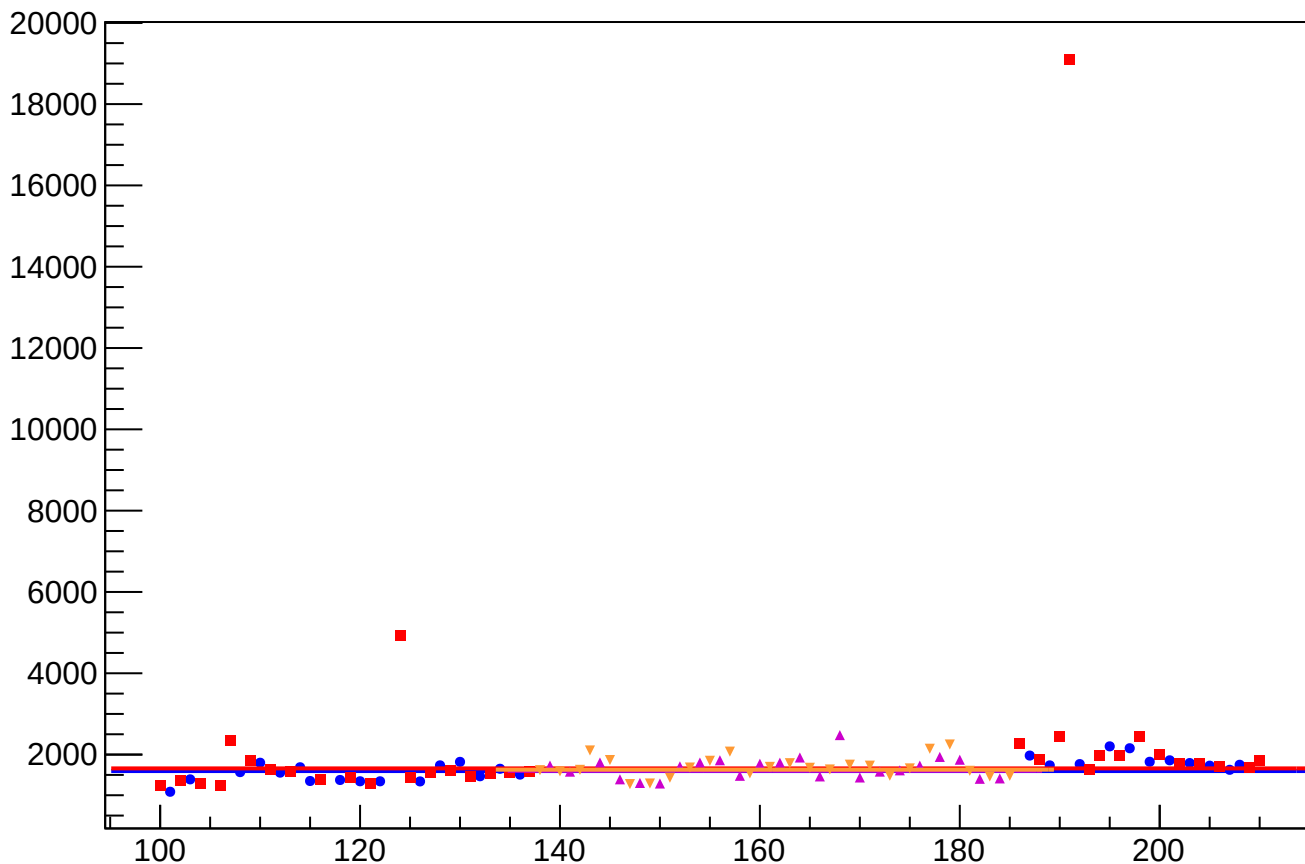
Left In: -2105.415 $\pm$ 379.051 χ^2 /NDF: 18.6/22

+ sign 2108.863 $\pm$ 276.102 χ^2 /NDF: 53.5/51

All: -132.475 $\pm$ 194.853 χ^2 /NDF: 236.7/107

- sign -2356.402 $\pm$ 275.028 χ^2 /NDF: 51.9/55

asym_us_agg_avg_rms vs Slug



Right In: 1594.894 $\pm$ 0.288 χ^2 /NDF: 868583.4/26

Left Out: 1628.479 $\pm$ 0.265 χ^2 /NDF: 779094.7/24

Right Out: 1660.272 $\pm$ 0.283 χ^2 /NDF: 1379899.7/32

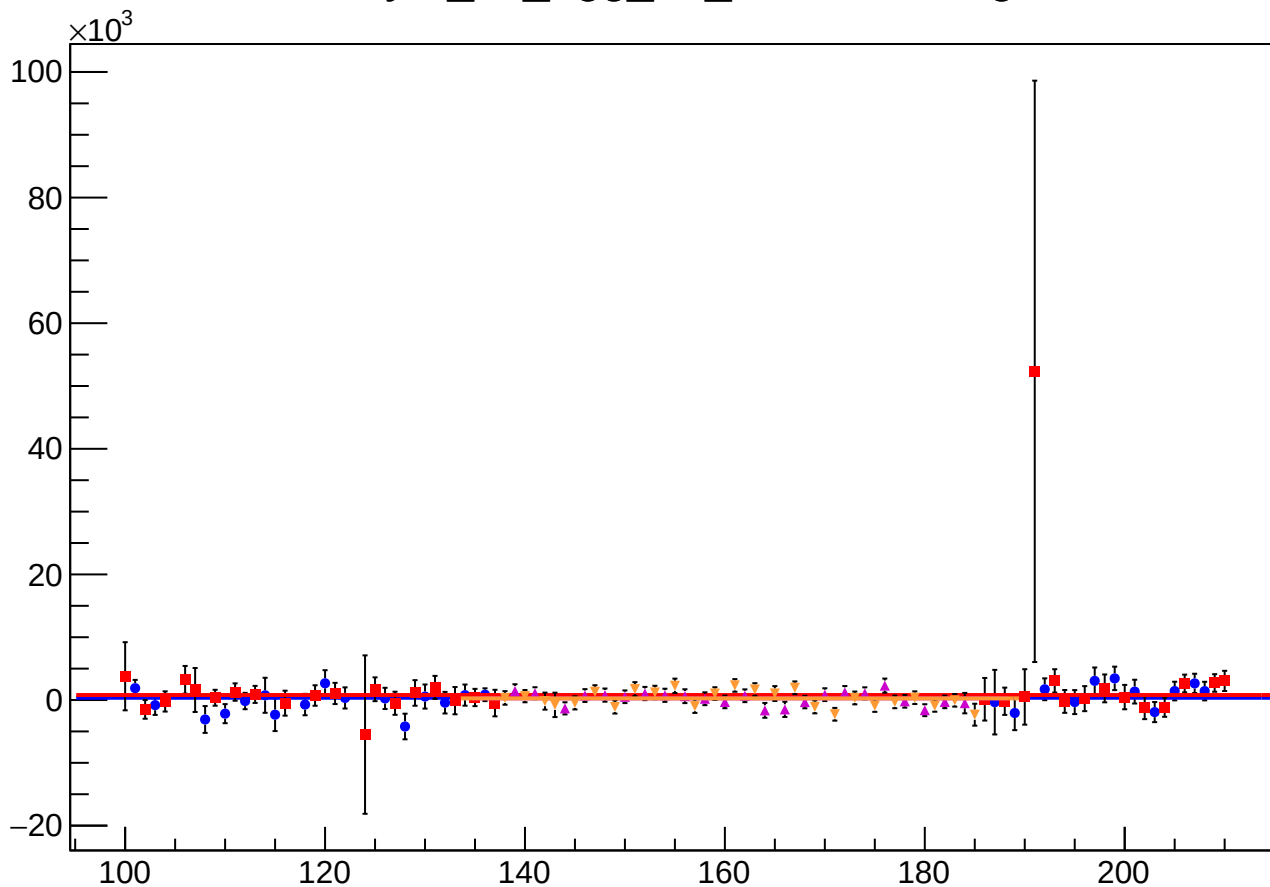
Left In: 1601.496 $\pm$ 0.268 χ^2 /NDF: 793722.6/22

+ sign 1613.072 $\pm$ 0.195 χ^2 /NDF: 1655025.6/51

All: 1621.233 $\pm$ 0.138 χ^2 /NDF: 3854900.6/10

- sign 1629.330 $\pm$ 0.194 χ^2 /NDF: 2196394.3/55

asym_us_agg_dd_mean vs Slug



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

Left Out: 262.383 ± 214.962 χ^2/NDF : 33.9/24

Right Out: 793.428 ± 320.977 χ^2/NDF : 19.1/32

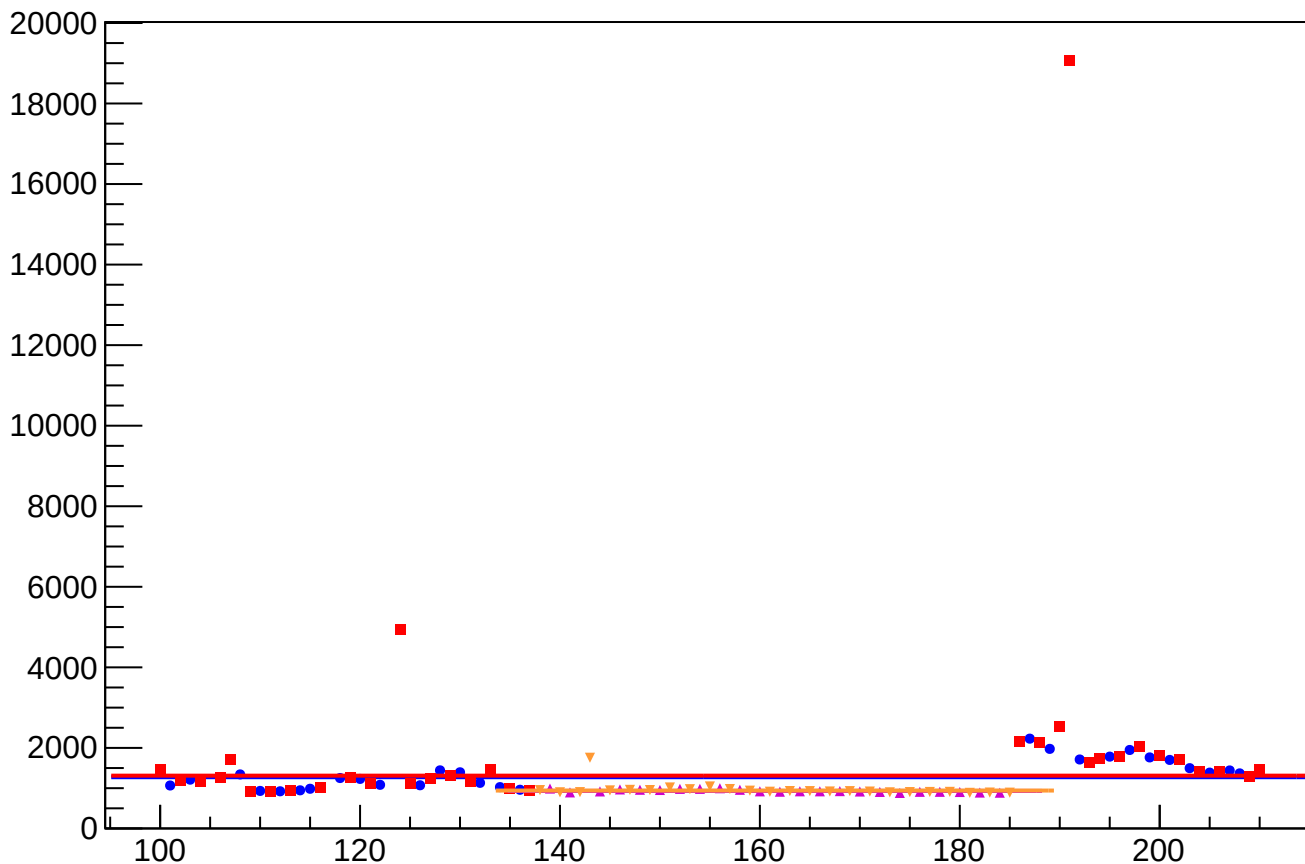
Left In: 267.059 ± 217.685 χ^2/NDF : 21.4/22

+ sign 292.287 ± 179.960 χ^2/NDF : 61.1/51

All: 362.509 ± 127.322 χ^2/NDF : 103.8/107

- sign 432.889 ± 180.161 χ^2/NDF : 42.3/55

asym_us_agg_dd_rms vs Slug



Right In: 1272.432 $\pm$ 0.233 χ^2 /NDF: 1667983.4/26

Left Out: 941.013 $\pm$ 0.152 χ^2 /NDF: 417710.2/24

Right Out: 1311.027 $\pm$ 0.227 χ^2 /NDF: 2652879.0/32

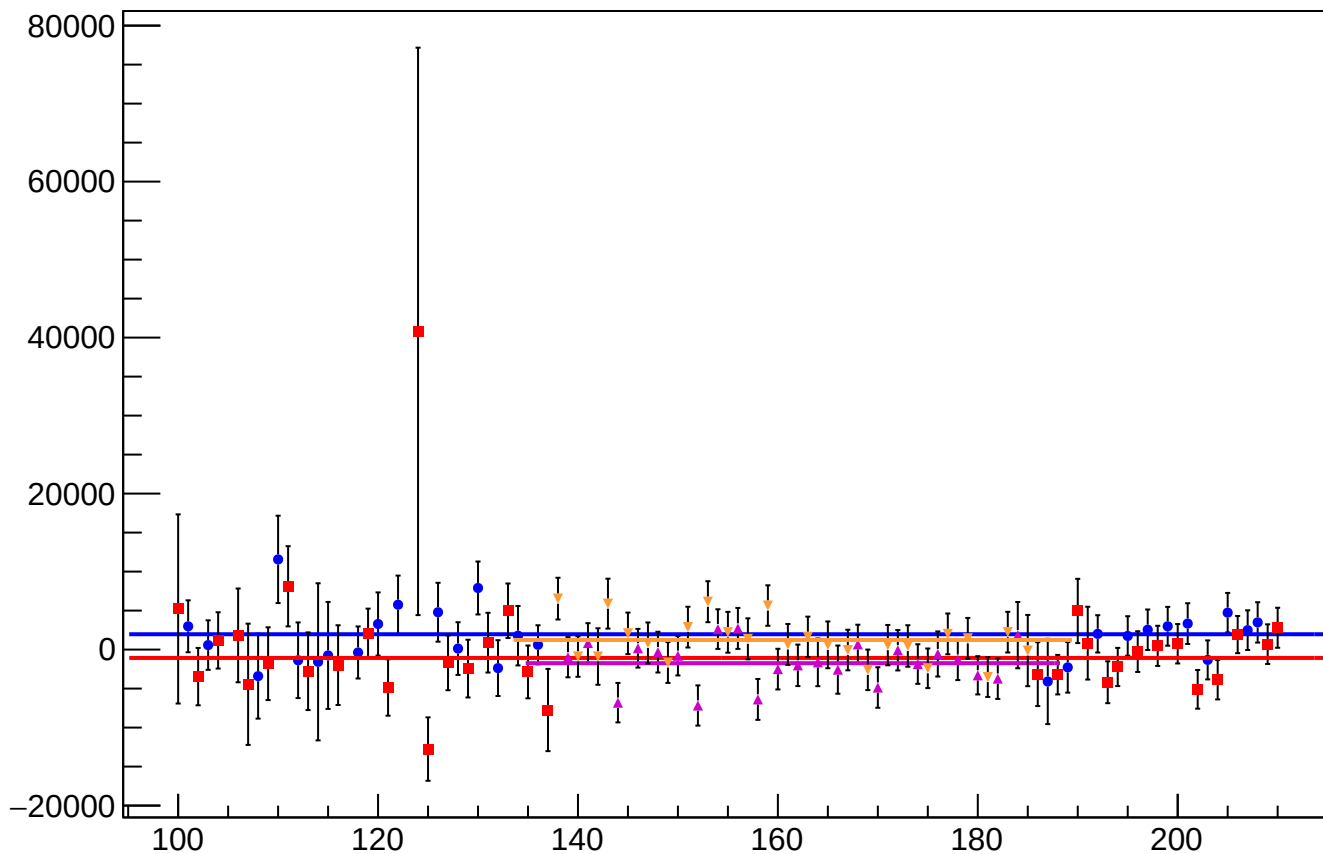
Left In: 931.562 $\pm$ 0.154 χ^2 /NDF: 48916.1/22

+ sign 1040.156 $\pm$ 0.127 χ^2 /NDF: 3507836.0/51

All: 1045.627 $\pm$ 0.090 χ^2 /NDF: 8127976.5/10

- sign 1051.110 $\pm$ 0.127 χ^2 /NDF: 4616439.2/55

reg_asym_atl1_mean vs Slug



Right In: 1966.869 ± 615.708 χ^2/NDF : 19.0/26

Left Out: 1234.728 ± 541.289 χ^2/NDF : 23.9/24

Right Out: -1071.173 ± 585.890 χ^2/NDF : 35.9/32

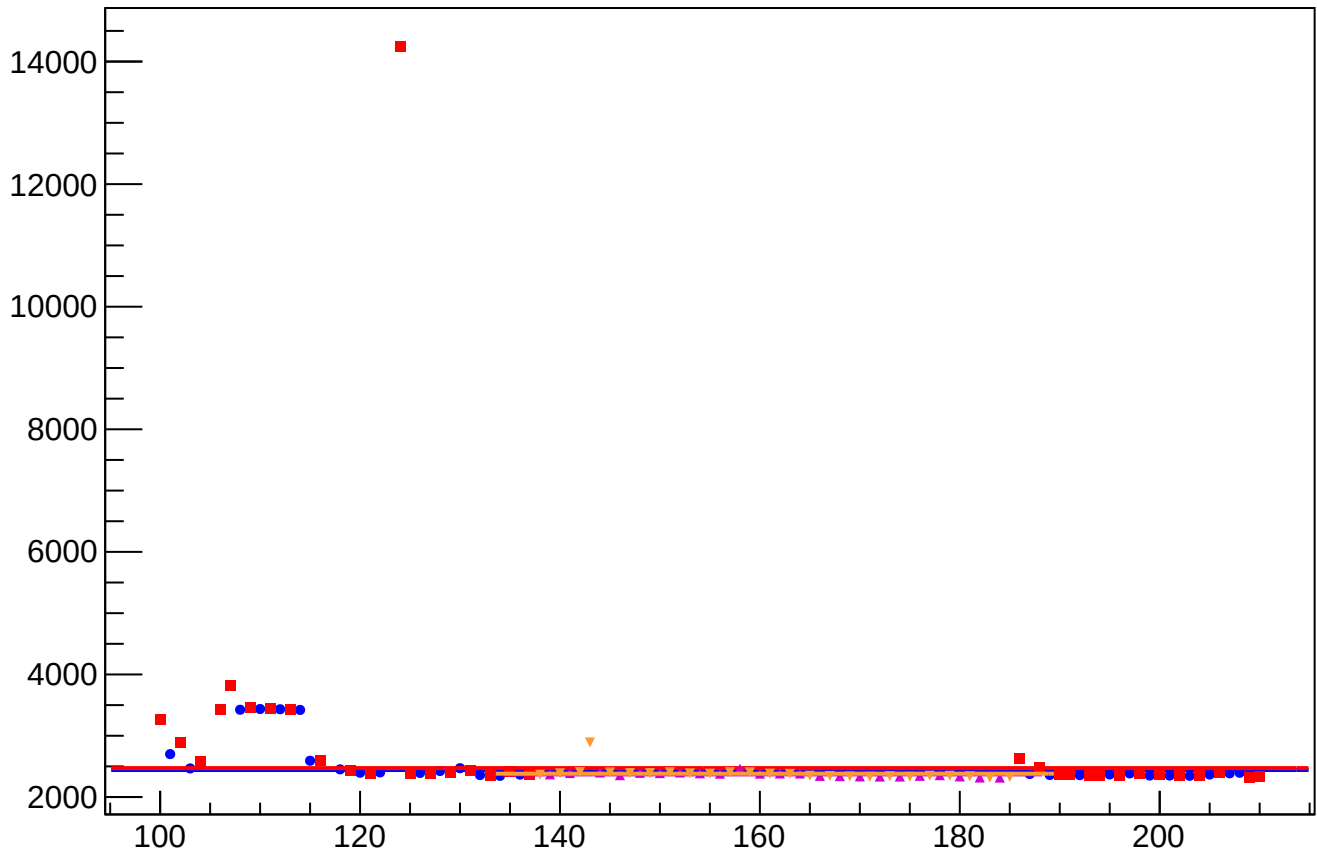
Left In: -1741.730 ± 553.254 χ^2/NDF : 24.4/22

+ sign 1553.901 ± 406.528 χ^2/NDF : 43.7/51

All: 48.378 ± 285.935 χ^2/NDF : 131.8/107

- sign -1425.647 ± 402.253 χ^2/NDF : 61.0/55

reg_asym_atl1_rms vs Slug



Right In: 2441.047+/-0.435 χ^2/NDF : 266893.2/26

Left Out: 2381.235+/-0.383 χ^2/NDF : 57623.2/24

Right Out: 2472.236+/-0.414 χ^2/NDF : 646651.3/32

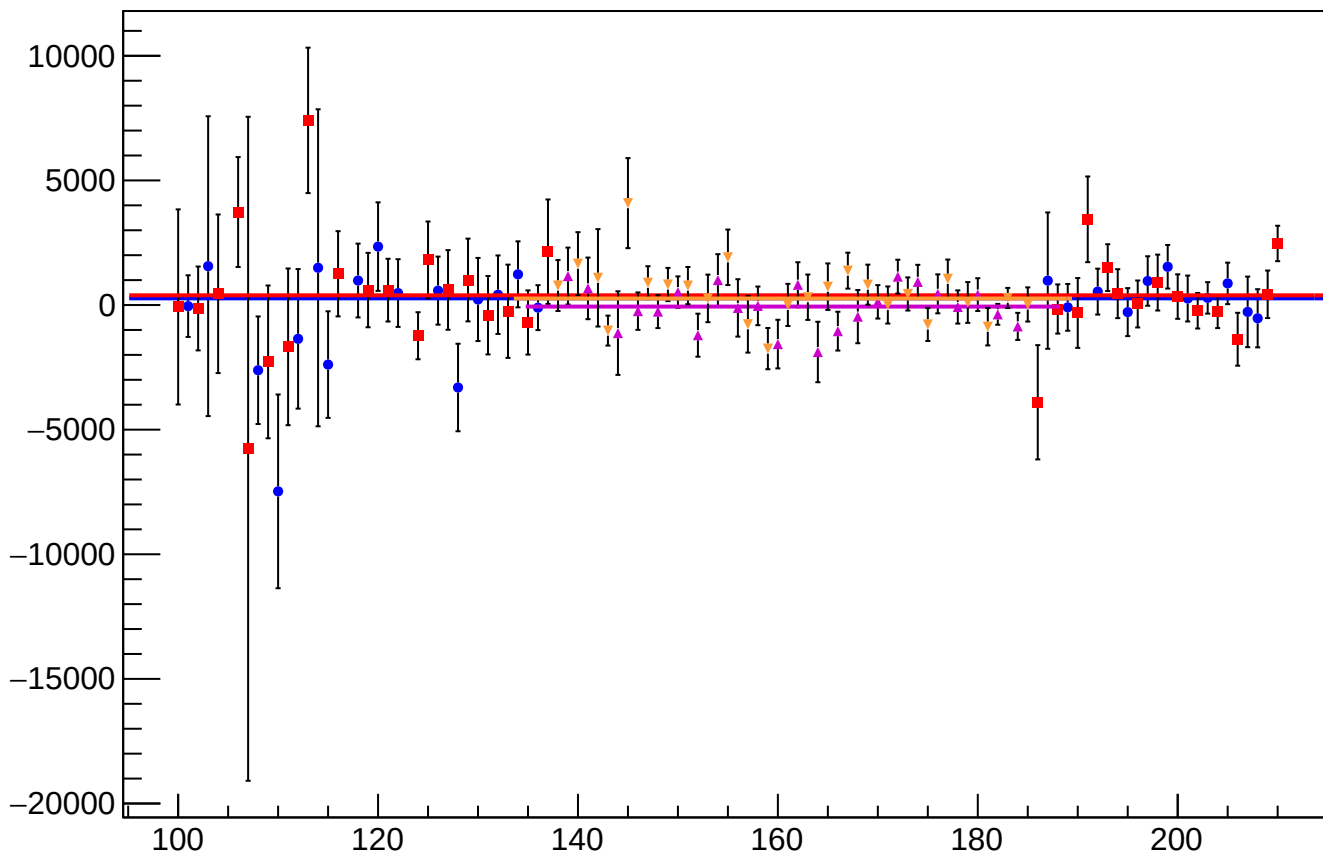
Left In: 2369.384+/-0.391 χ^2/NDF : 7034.0/22

+ sign 2407.310+/-0.287 χ^2/NDF : 335162.0/51

All: 2412.644+/-0.202 χ^2/NDF : 1022110.0/10

- sign 2417.866+/-0.284 χ^2/NDF : 686266.6/55

asym_atl1_reg_correction_mean vs Slug



Right In: 268.338 ± 233.820 χ^2/NDF : 18.7/26

Left Out: 261.877 ± 154.009 χ^2/NDF : 31.1/24

Right Out: 390.057 ± 213.162 χ^2/NDF : 37.8/32

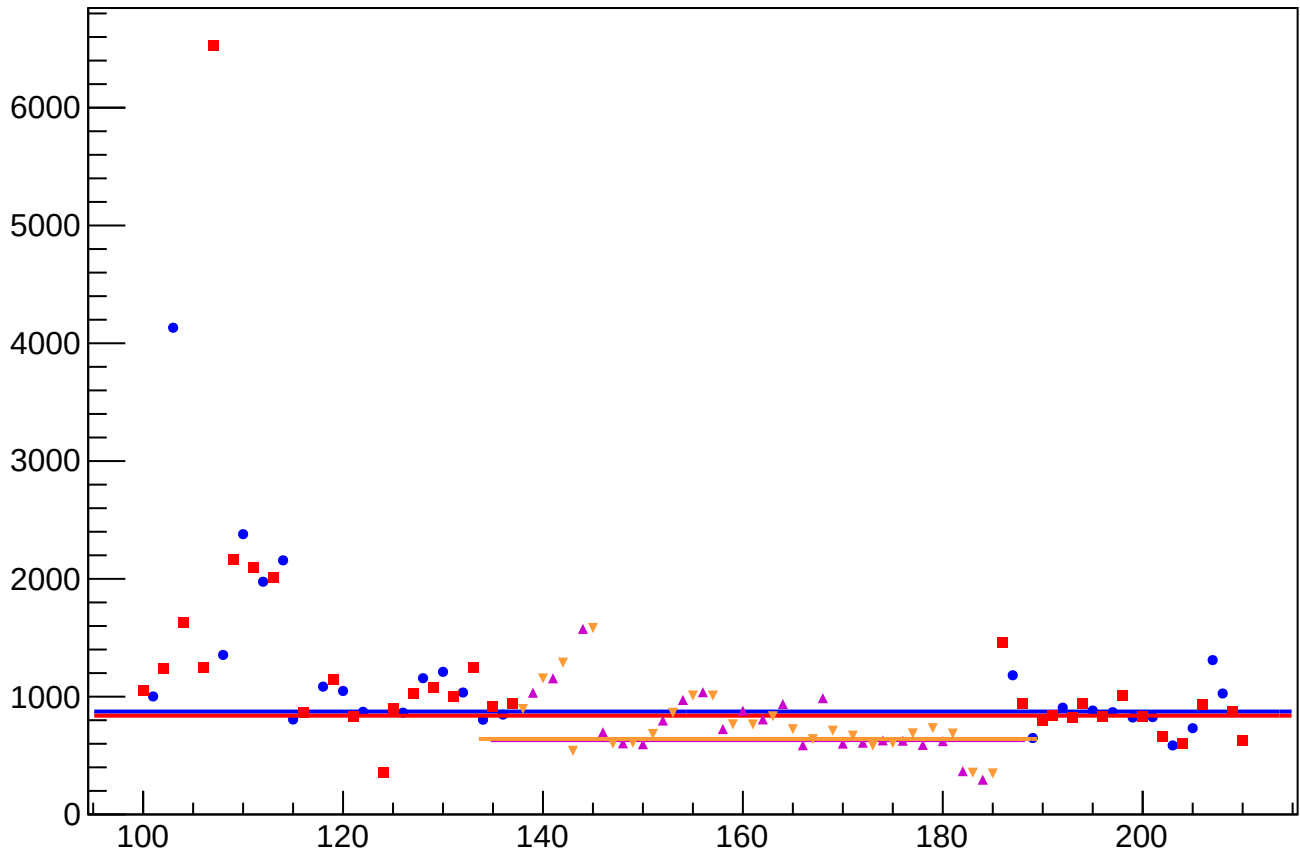
Left In: -61.960 ± 157.394 χ^2/NDF : 22.0/22

+ sign 263.832 ± 128.616 χ^2/NDF : 49.8/51

All: 179.377 ± 90.231 χ^2/NDF : 113.3/107

- sign 97.527 ± 126.618 χ^2/NDF : 62.7/55

asym_atl1_reg_correction_rms vs Slug



Right In: 873.504 $\pm$ 0.165 χ^2 /NDF: 2475732.0/26

Left Out: 641.156 $\pm$ 0.109 χ^2 /NDF:3474860.7/24

Right Out: 838.519 $\pm$ 0.151 χ^2 /NDF: 3323412.3/32

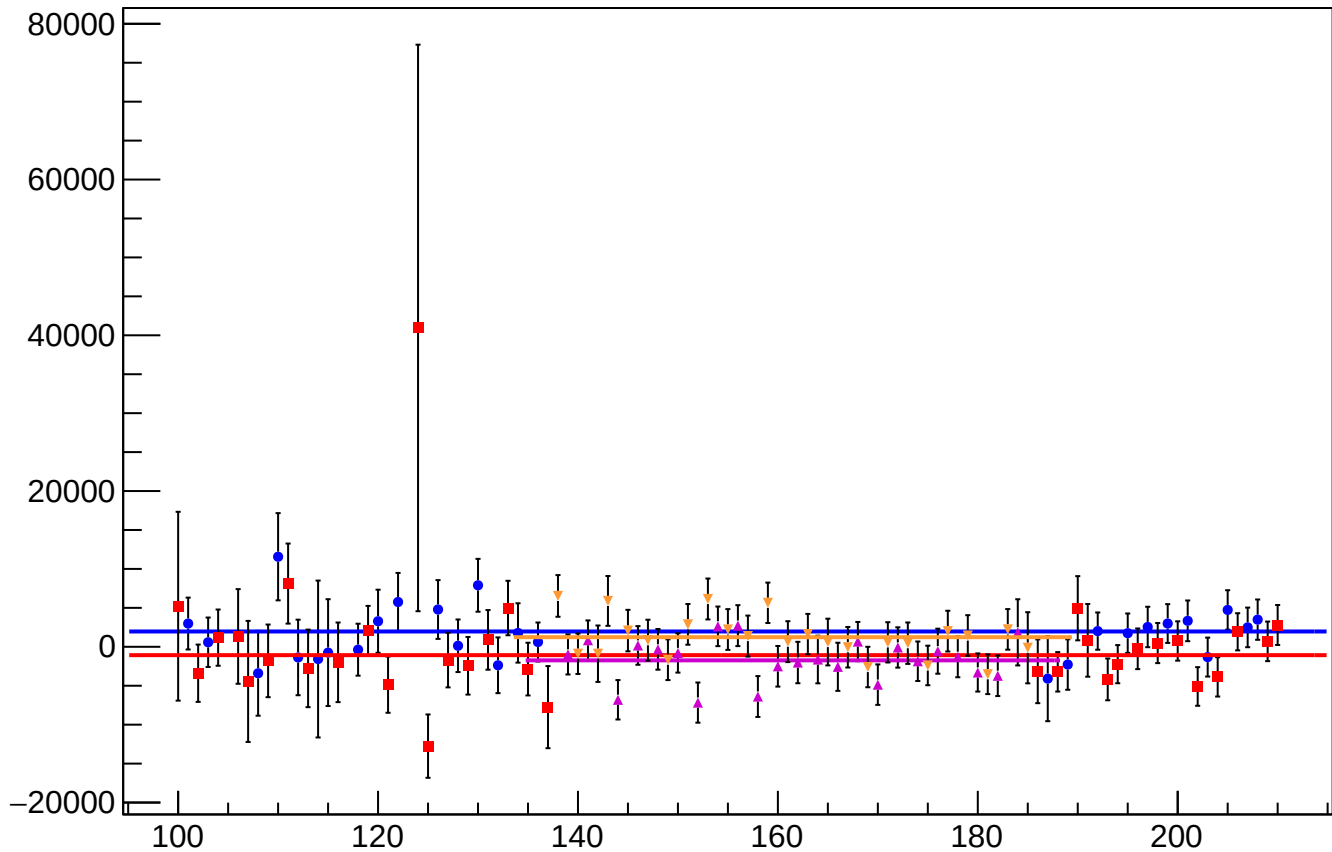
Left In: 631.199 $\pm$ 0.111 χ^2 /NDF:3975438.6/22

+ sign 711.458 $\pm$ 0.091 χ^2 /NDF: 7327935.2/51

All: 707.848 $\pm$ 0.064 χ^2 /NDF: 15854250.0/10

- sign 704.348 $\pm$ 0.090 χ^2 /NDF: 8523210.9/55

cor_asym_atl1_mean vs Slug



Right In: 1967.116 ± 615.708 χ^2/NDF : 19.0/26

Left Out: 1234.706 ± 541.289 χ^2/NDF : 23.9/24

Right Out: -1074.545 ± 585.953 χ^2/NDF : 35.8/32

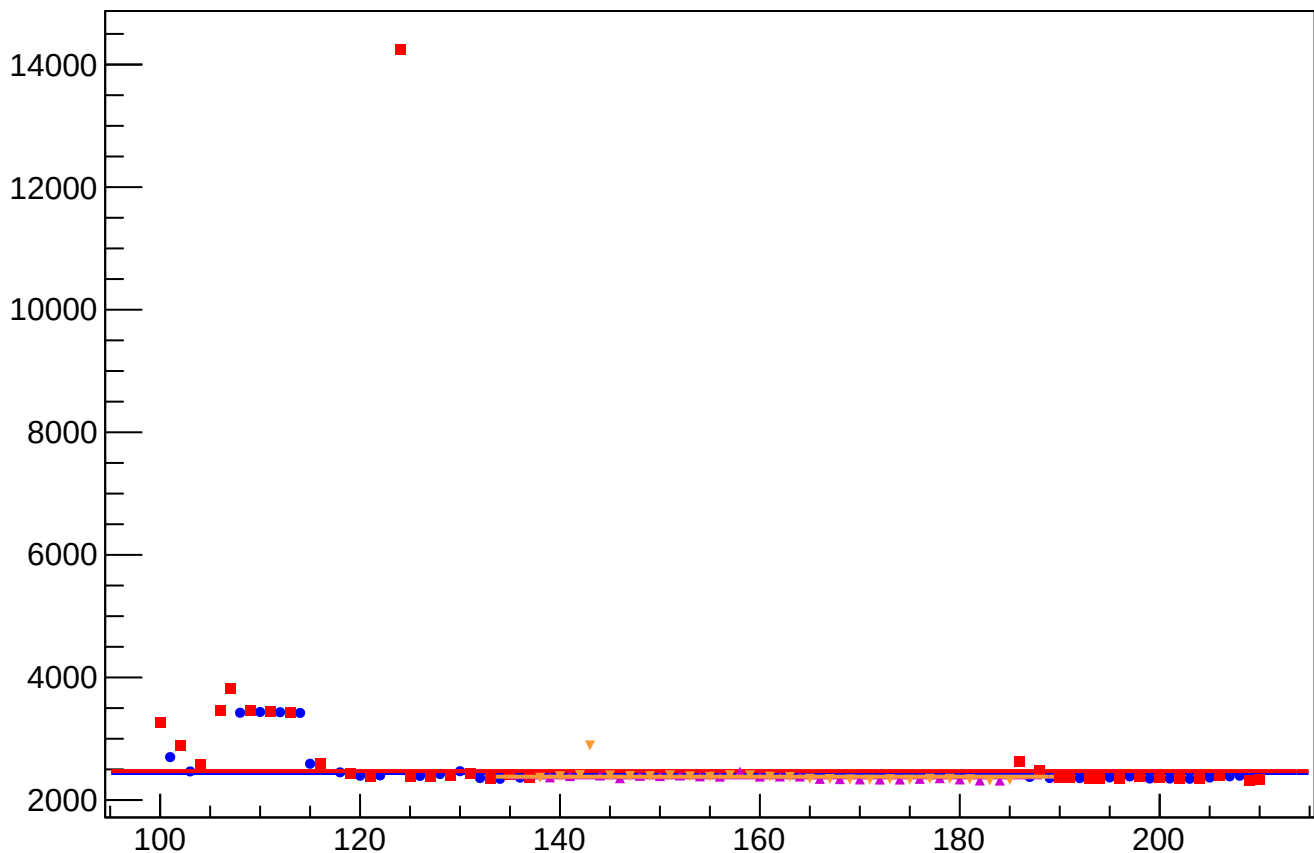
Left In: -1741.784 ± 553.254 χ^2/NDF : 24.4/22

+ sign 1553.996 ± 406.528 χ^2/NDF : 43.7/51

All: 47.665 ± 285.942 χ^2/NDF : 131.7/107

- sign -1427.301 ± 402.273 χ^2/NDF : 60.9/55

cor_asym_atl1_rms vs Slug



Right In: 2441.047+/-0.435 χ^2/NDF : 266893.3/26

Left Out: 2381.235+/-0.383 χ^2/NDF : 57623.2/24

Right Out: 2472.395+/-0.414 χ^2/NDF : 649592.9/32

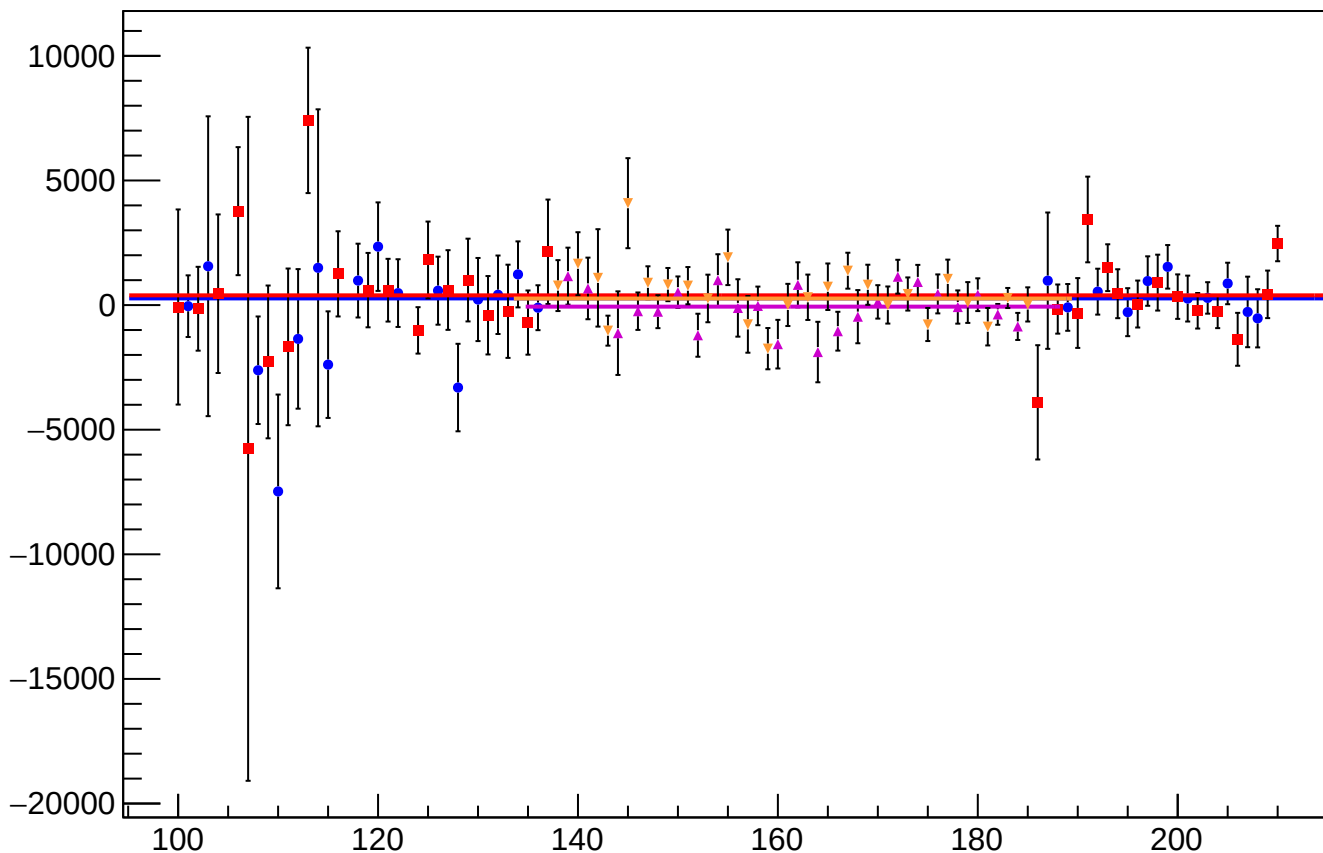
Left In: 2369.384+/-0.391 χ^2/NDF : 7034.0/22

+ sign 2407.310+/-0.287 χ^2/NDF : 335162.0/51

All: 2412.679+/-0.202 χ^2/NDF : 1025157.8/10

- sign 2417.935+/-0.284 χ^2/NDF : 689305.5/55

asym_atl1_cor_correction_mean vs Slug



Right In: 268.255+/-233.819 χ^2/NDF : 18.7/26

Left Out: 262.160+/-154.012 χ^2/NDF : 31.1/24

Right Out: 390.989+/-213.279 χ^2/NDF : 36.5/32

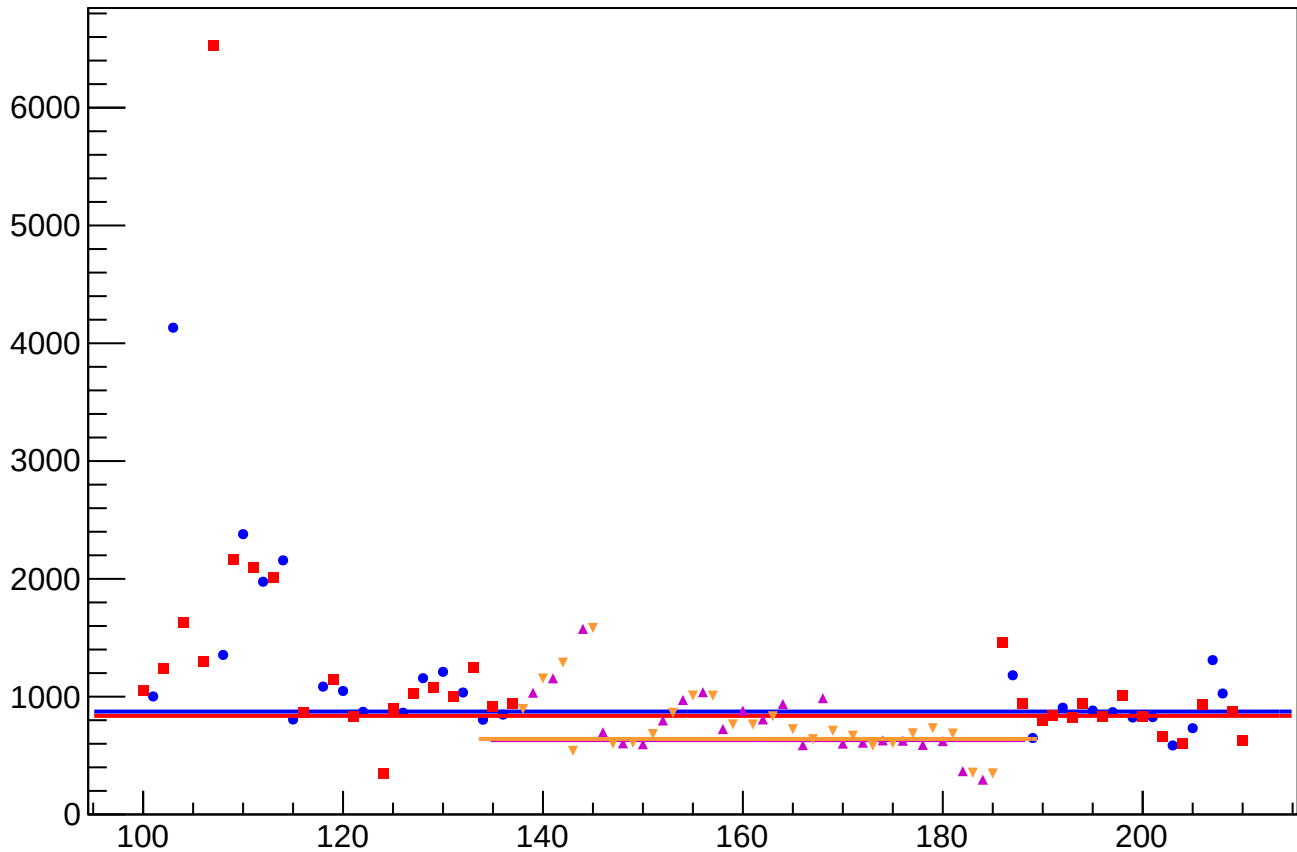
Left In: -61.976+/-157.393 χ^2/NDF : 22.0/22

+ sign 264.004+/-128.618 χ^2/NDF : 49.8/51

All: 179.581+/-90.240 χ^2/NDF : 112.0/107

- sign 97.731+/-126.642 χ^2/NDF : 61.4/55

asym_atl1_cor_correction_rms vs Slug



Right In: 873.502 $\pm$ 0.165 χ^2 /NDF: 2475740.6/26

Left Out: 641.169 $\pm$ 0.109 χ^2 /NDF:3474589.1/24

Right Out: 836.942 $\pm$ 0.151 χ^2 /NDF: 3342126.1/32

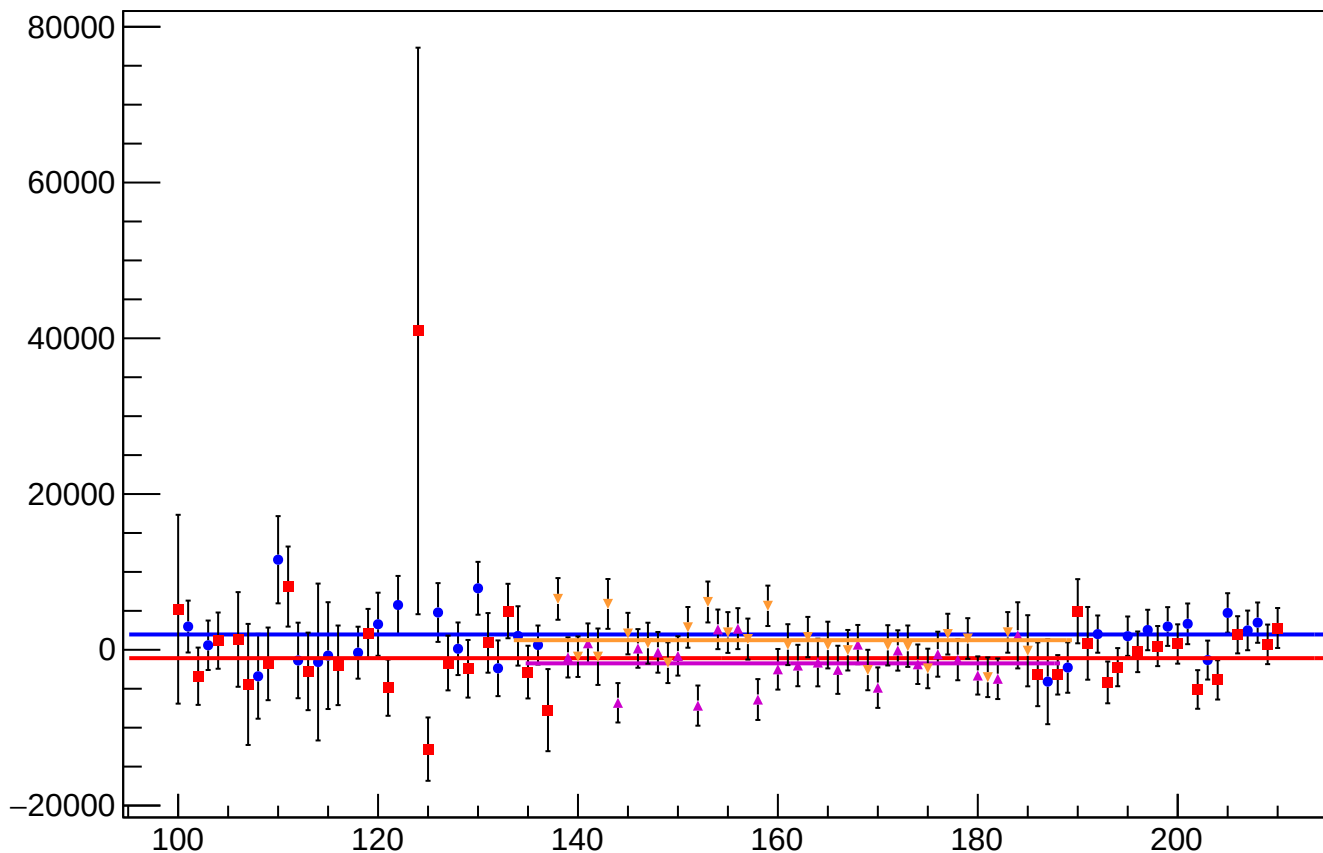
Left In: 631.196 $\pm$ 0.111 χ^2 /NDF:3975563.1/22

+ sign 711.469 $\pm$ 0.091 χ^2 /NDF: 7327489.2/51

All: 707.544 $\pm$ 0.064 χ^2 /NDF: 15853826.7/10

- sign 703.738 $\pm$ 0.090 χ^2 /NDF: 8522669.3/55

eigen_cor_asym_atl1_mean vs Slug



Right In: 1967.116 ± 615.708 χ^2/NDF : 19.0/26

Left Out: 1234.706 ± 541.289 χ^2/NDF : 23.9/24

Right Out: -1074.545 ± 585.953 χ^2/NDF : 35.8/32

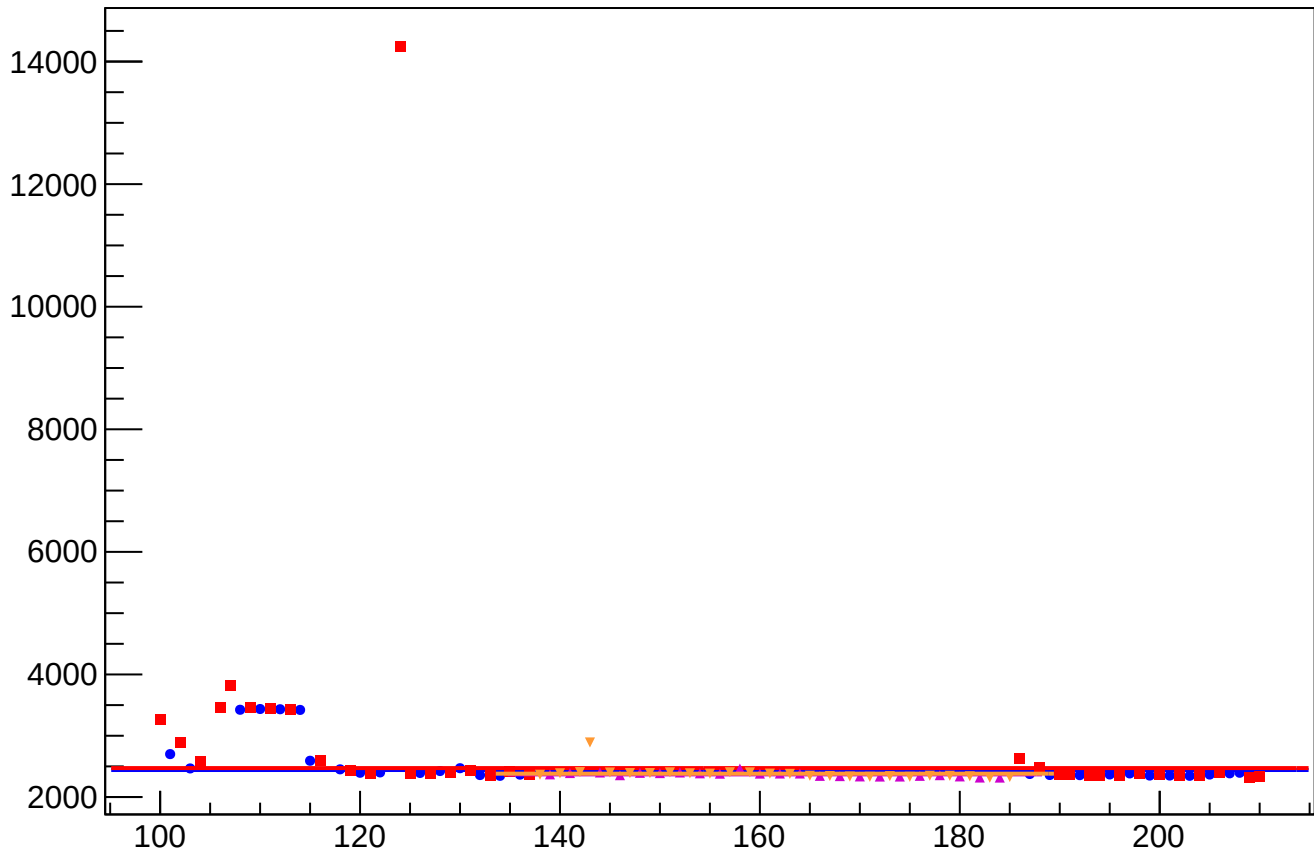
Left In: -1741.784 ± 553.254 χ^2/NDF : 24.4/22

+ sign 1553.996 ± 406.528 χ^2/NDF : 43.7/51

All: 47.665 ± 285.942 χ^2/NDF : 131.7/107

- sign -1427.301 ± 402.273 χ^2/NDF : 60.9/55

eigen_cor_asym_atl1_rms vs Slug



Right In: 2441.047 $\pm$ 0.435 χ^2 /NDF: 266893.3/26

Left Out: 2381.235 $\pm$ 0.383 χ^2 /NDF: 57623.2/24

Right Out: 2472.395 $\pm$ 0.414 χ^2 /NDF: 649592.9/32

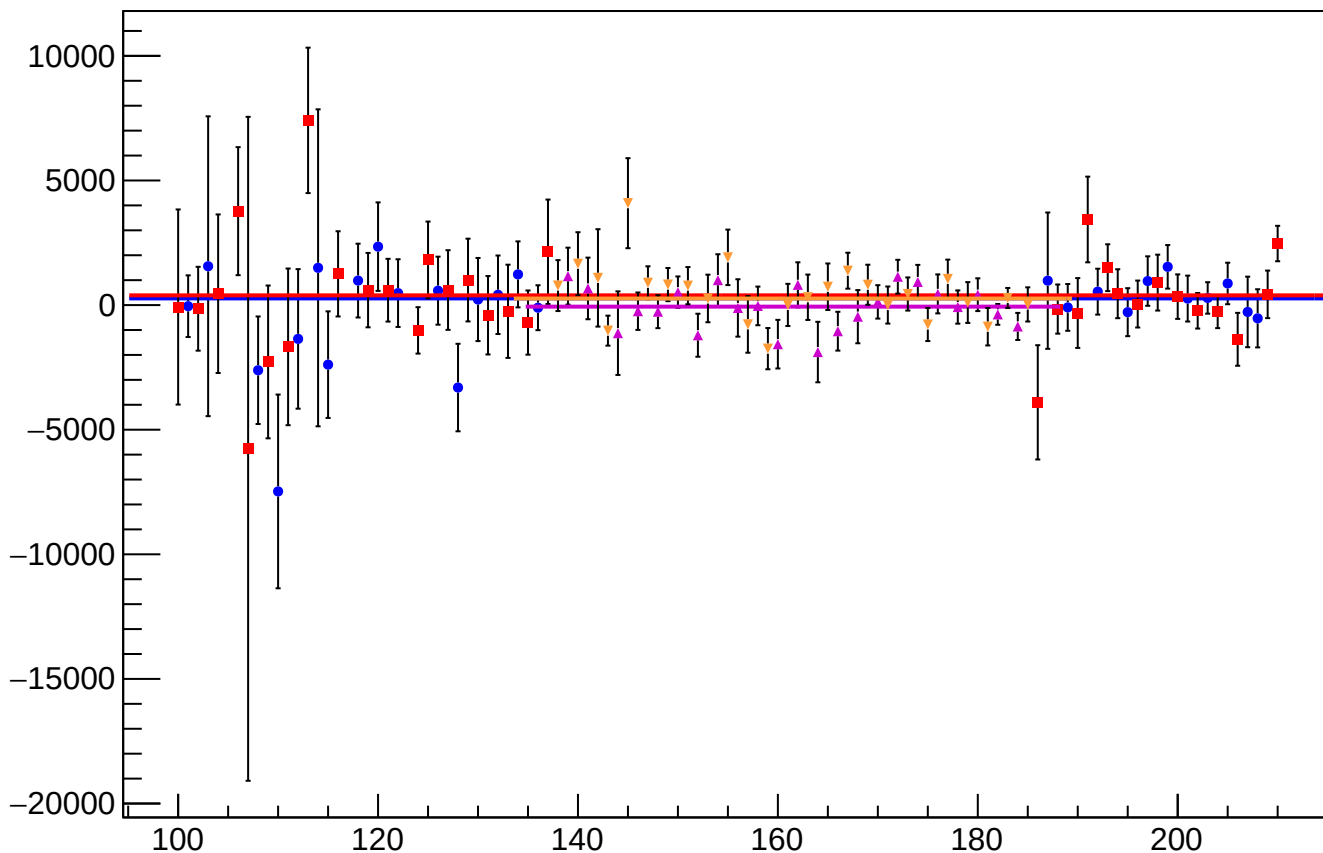
Left In: 2369.384 $\pm$ 0.391 χ^2 /NDF: 7034.0/22

+ sign 2407.310 $\pm$ 0.287 χ^2 /NDF: 335162.0/51

All: 2412.679 $\pm$ 0.202 χ^2 /NDF: 1025157.8/10

- sign 2417.935 $\pm$ 0.284 χ^2 /NDF: 689305.5/55

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 268.255+/-233.819 χ^2/NDF : 18.7/26

Left Out: 262.160+/-154.012 χ^2/NDF : 31.1/24

Right Out: 390.989+/-213.279 χ^2/NDF : 36.5/32

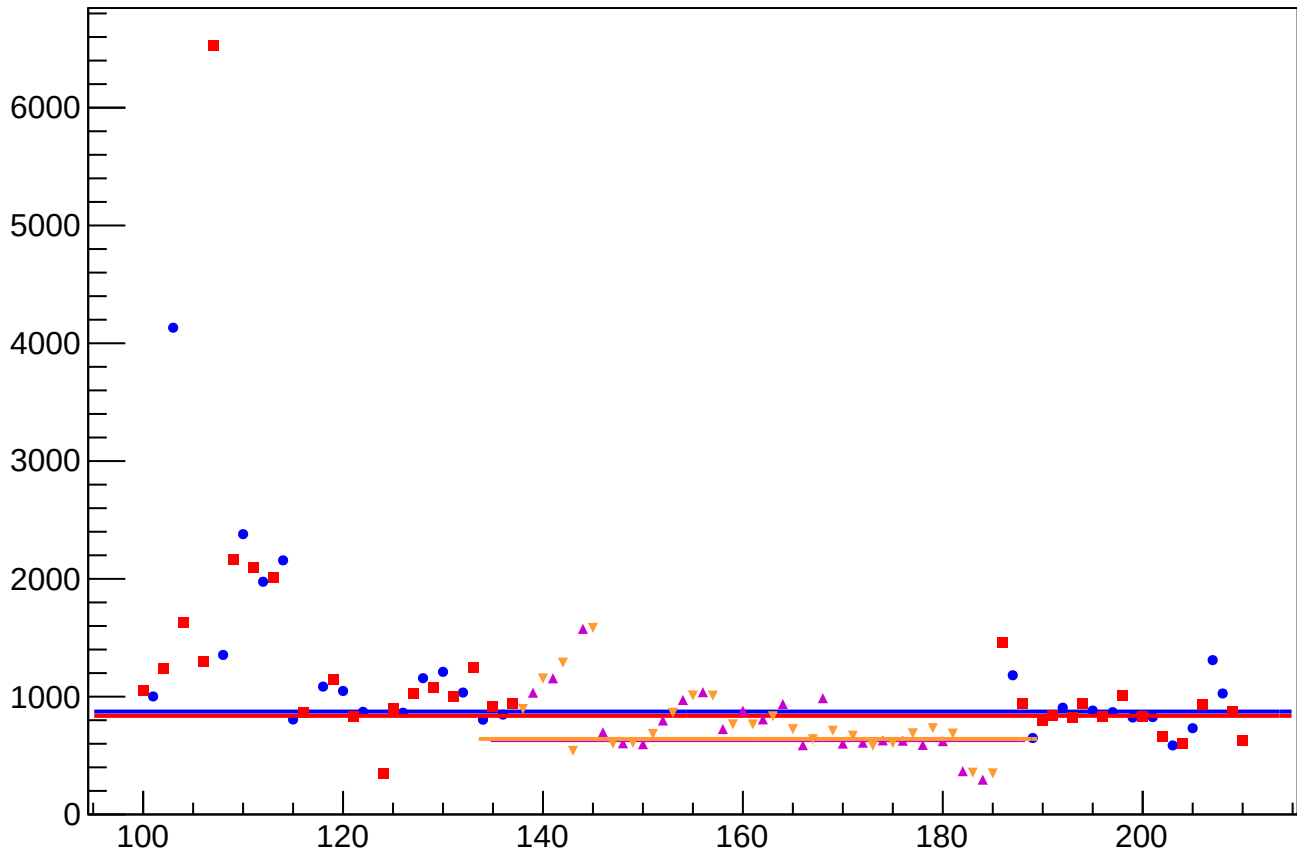
Left In: -61.976+/-157.393 χ^2/NDF : 22.0/22

+ sign 264.004+/-128.618 χ^2/NDF : 49.8/51

All: 179.581+/-90.240 χ^2/NDF : 112.0/107

- sign 97.731+/-126.642 χ^2/NDF : 61.4/55

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 873.502 ± 0.165 χ^2/NDF : 2475740.6/26

Left Out: 641.169 ± 0.109 χ^2/NDF : 3474589.1/24

Right Out: 836.942 ± 0.151 χ^2/NDF : 3342126.1/32

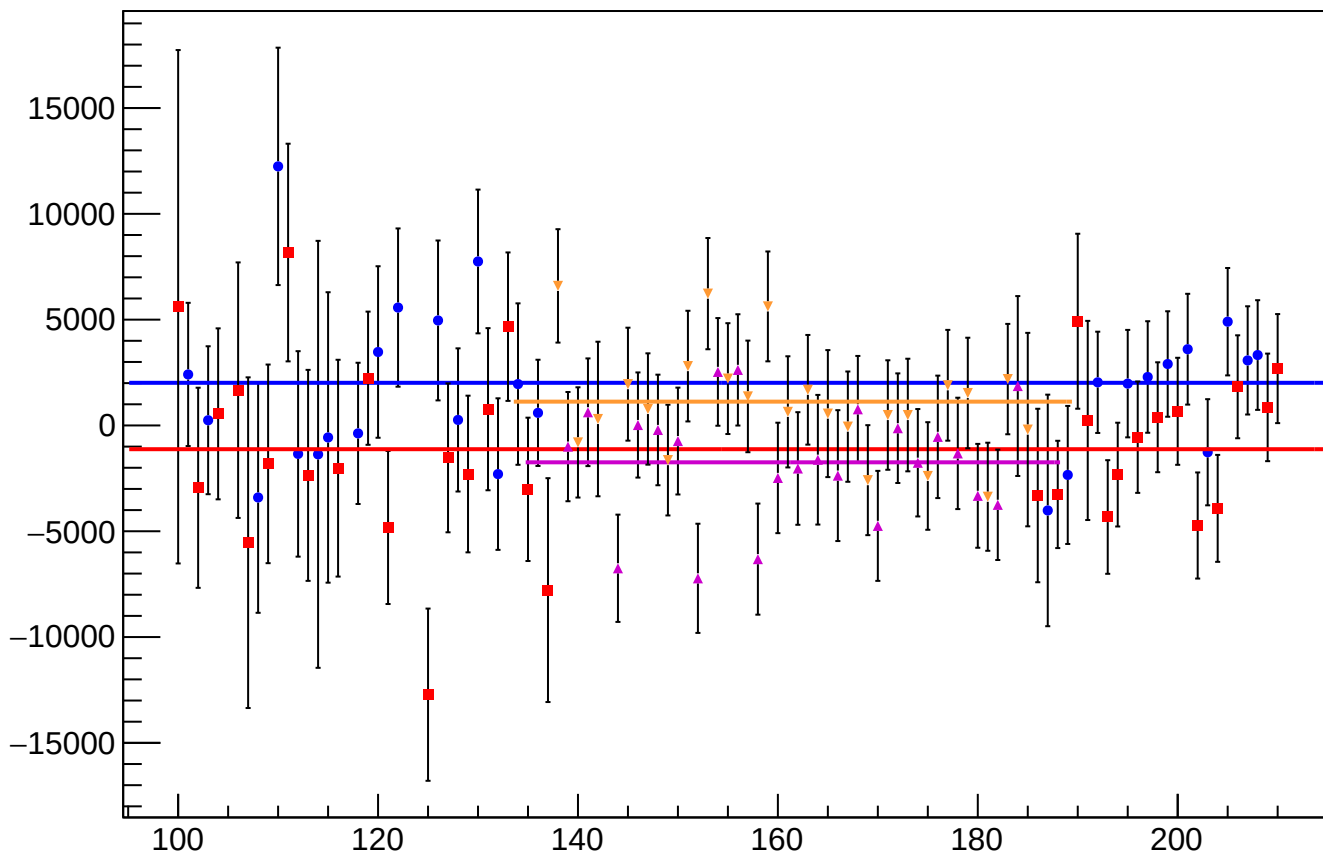
Left In: 631.196 ± 0.111 χ^2/NDF : 3975563.1/22

+ sign 711.469 ± 0.091 χ^2/NDF : 7327489.2/51

All: 707.544 ± 0.064 χ^2/NDF : 15853826.7/10

- sign 703.738 ± 0.090 χ^2/NDF : 8522669.3/55

dit_asym_atl1_mean vs Slug



Right In: 2015.159+/-619.708 χ^2/NDF : 19.3/26

Left Out: 1125.562+/-549.834 χ^2/NDF : 21.2/23

Right Out: -1122.280+/-592.878 χ^2/NDF : 33.2/31

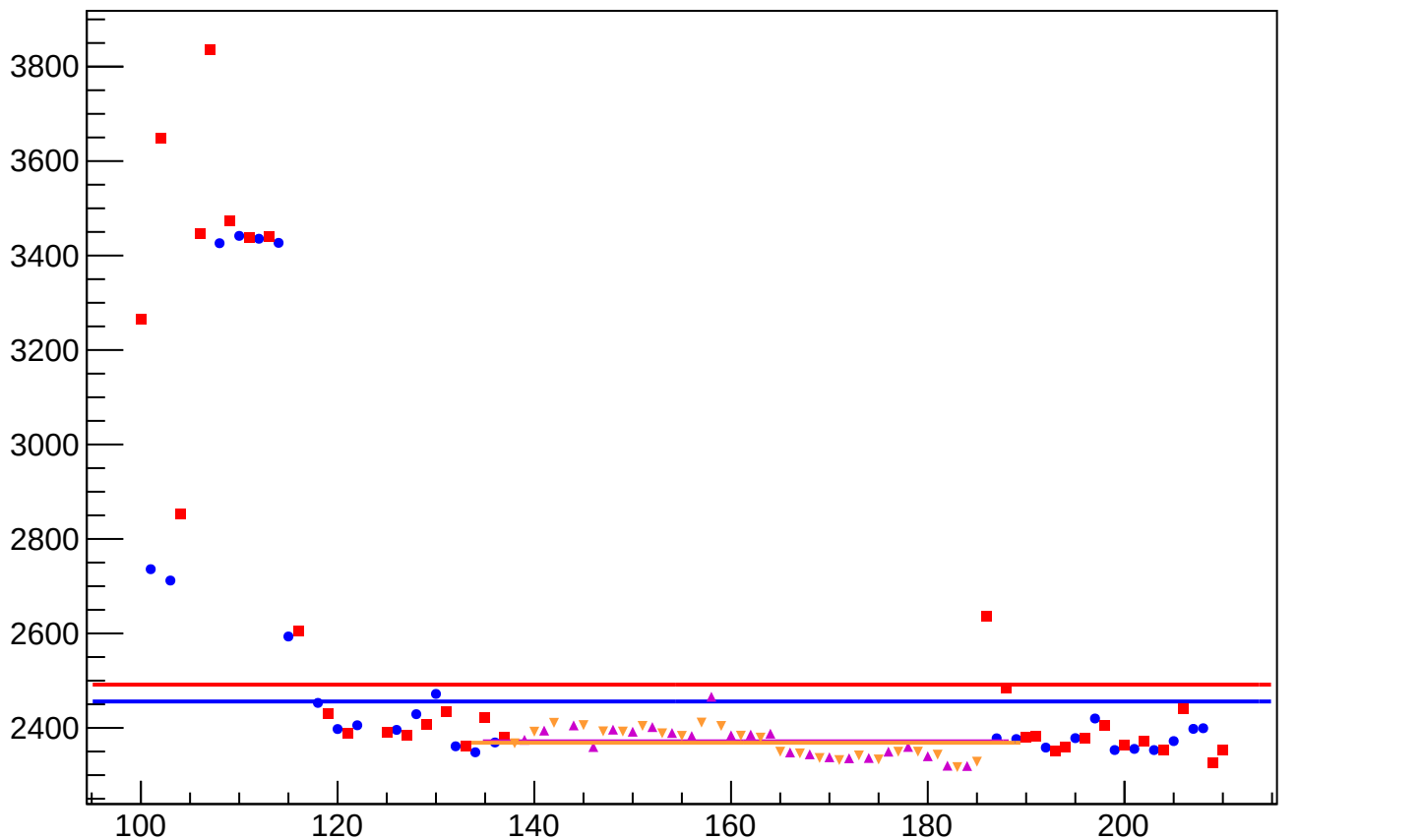
Left In: -1742.304+/-553.755 χ^2/NDF : 23.8/22

+ sign 1517.400+/-411.286 χ^2/NDF : 41.7/50

All: 7.969+/-288.462 χ^2/NDF : 125.7/105

- sign -1453.423+/-404.688 χ^2/NDF : 57.5/54

dit_asym_atl1_rms vs Slug



Right In: 2455.930 $\pm$ 0.438 χ^2 /NDF: 278208.2/26

Left Out: 2368.569 $\pm$ 0.389 χ^2 /NDF: 5571.3/23

Right Out: 2491.573 $\pm$ 0.419 χ^2 /NDF: 546381.0/31

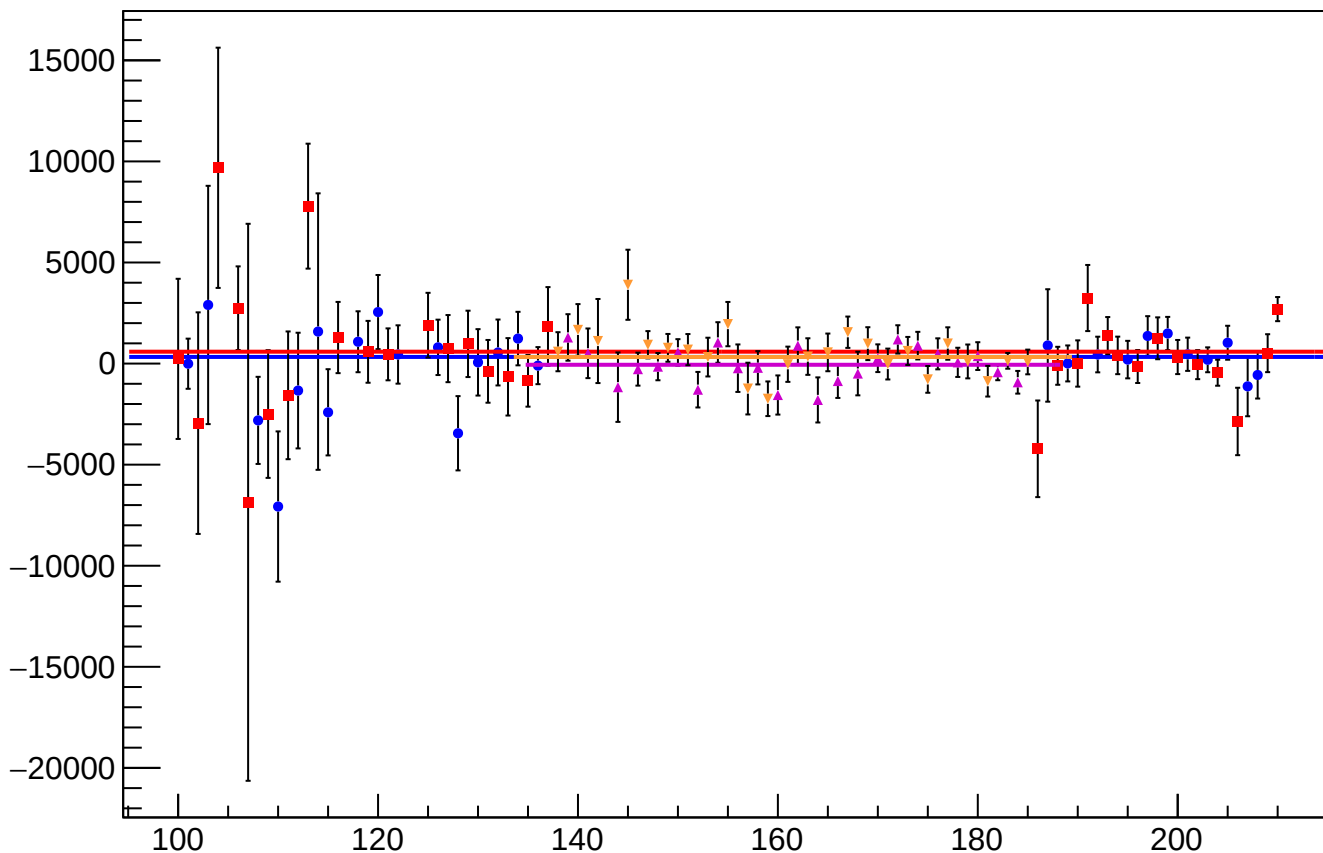
Left In: 2371.518 $\pm$ 0.392 χ^2 /NDF: 7053.5/22

+ sign 2407.049 $\pm$ 0.291 χ^2 /NDF: 306018.5/50

All: 2417.416 $\pm$ 0.204 χ^2 /NDF: 905753.2/105

- sign 2427.454 $\pm$ 0.286 χ^2 /NDF: 597233.4/54

asym_atl1_dit_correction_mean vs Slug



Right In: 328.150+/-229.549 χ^2/NDF : 20.8/26

Left Out: 325.955+/-160.041 χ^2/NDF :26.8/23

Right Out: 587.793+/-213.139 χ^2/NDF : 44.2/31

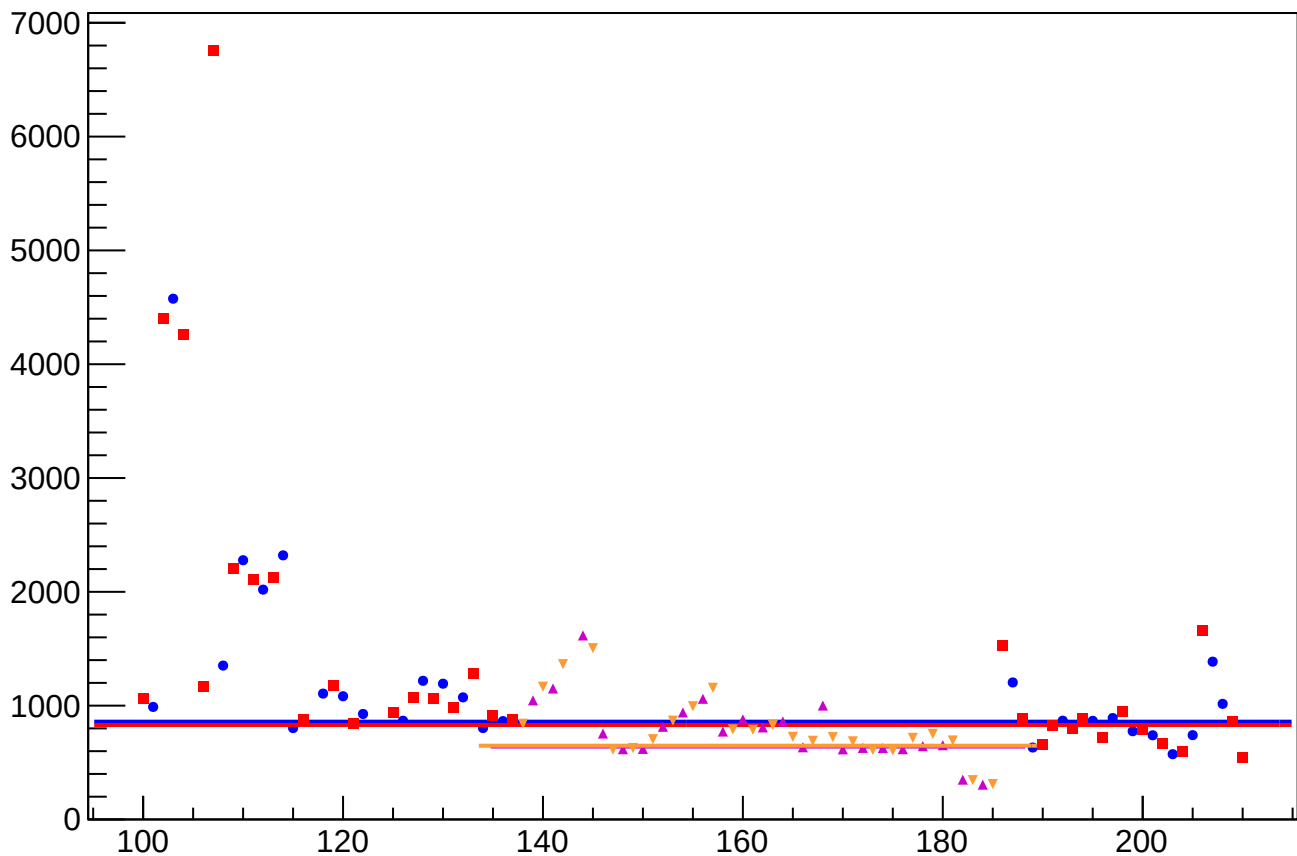
Left In: -59.619+/-159.669 χ^2/NDF :22.7/22

+ sign 326.673+/-131.283 χ^2/NDF : 47.6/50

All: 247.818+/-91.571 χ^2/NDF : 121.1/105

- sign 173.105+/-127.789 χ^2/NDF : 72.8/54

asym_atl1_dit_correction_rms vs Slug



Right In: 859.231 $\pm$ 0.162 χ^2 /NDF: 2906946.6/26

Left Out: 648.100 $\pm$ 0.113 χ^2 /NDF: 3886991.8/23

Right Out: 830.224 $\pm$ 0.151 χ^2 /NDF: 4984040.0/31

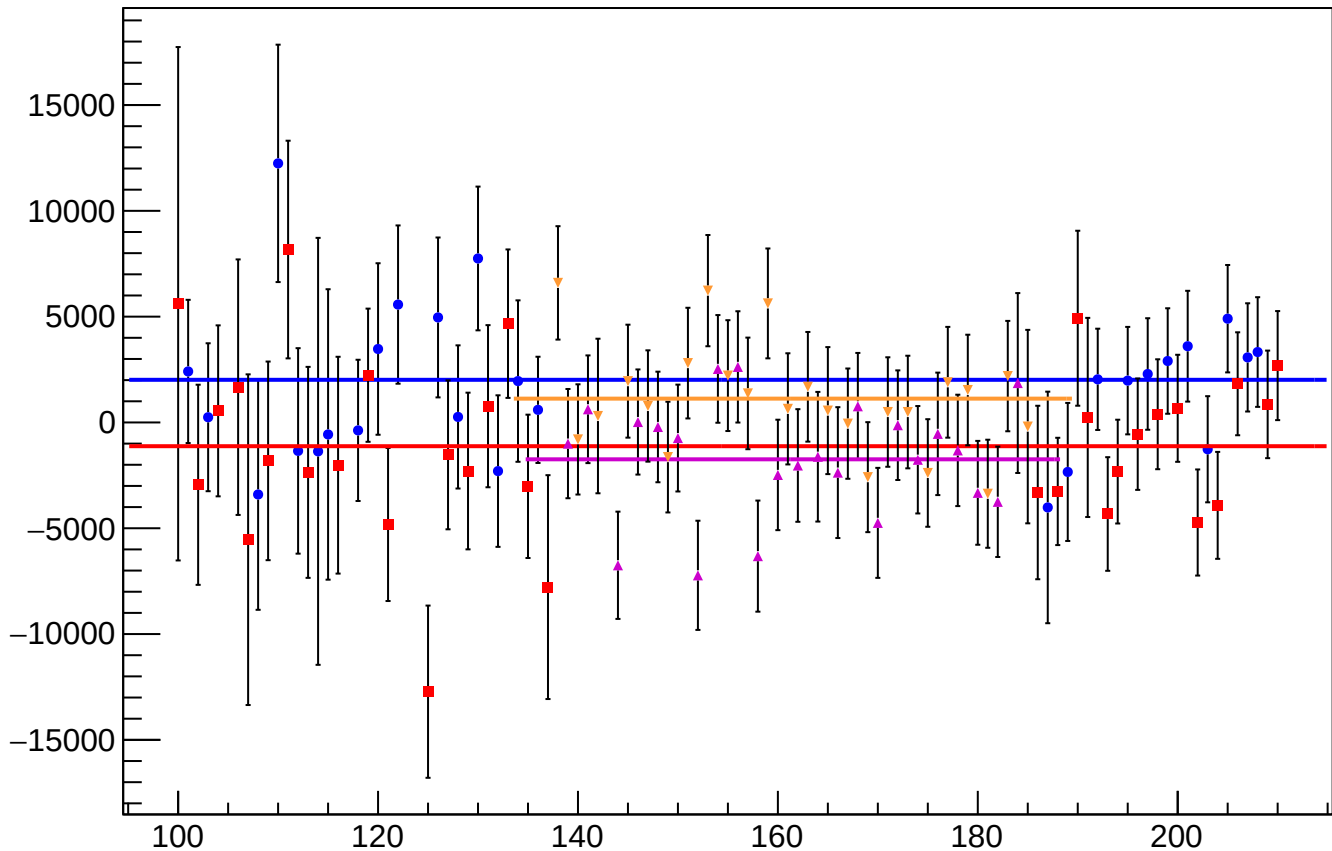
Left In: 640.422 $\pm$ 0.113 χ^2 /NDF: 4128760.4/22

+ sign 717.159 $\pm$ 0.093 χ^2 /NDF: 7932444.5/50

All: 712.790 $\pm$ 0.065 χ^2 /NDF: 18065456.0/100

- sign 708.650 $\pm$ 0.090 χ^2 /NDF: 10128696.8/54

eigen_dit_asym_atl1_mean vs Slug



Right In: 2015.156+/-619.708 χ^2/NDF : 19.3/26

Left Out: 1125.562+/-549.834 χ^2/NDF : 21.2/23

Right Out: -1122.280+/-592.878 χ^2/NDF : 33.2/31

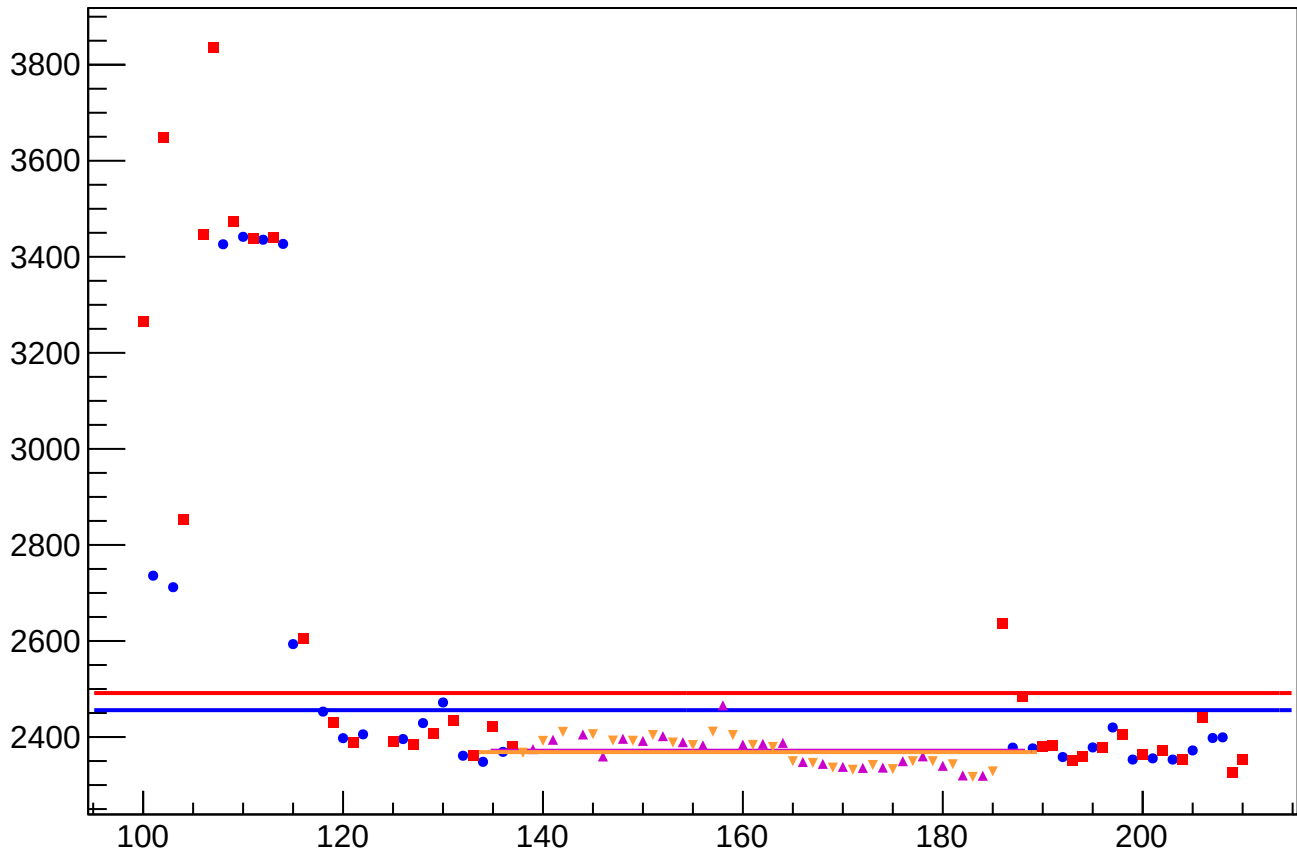
Left In: -1742.305+/-553.755 χ^2/NDF : 23.8/22

+ sign 1517.399+/-411.286 χ^2/NDF : 41.7/50

All: 7.968+/-288.462 χ^2/NDF : 125.7/105

- sign -1453.423+/-404.688 χ^2/NDF : 57.5/54

eigen_dit_asym_atl1_rms vs Slug



Right In: 2455.930 $\pm$ 0.438 χ^2 /NDF: 278207.7/26

Left Out: 2368.569 $\pm$ 0.389 χ^2 /NDF: 5571.3/23

Right Out: 2491.573 $\pm$ 0.419 χ^2 /NDF: 546380.0/31

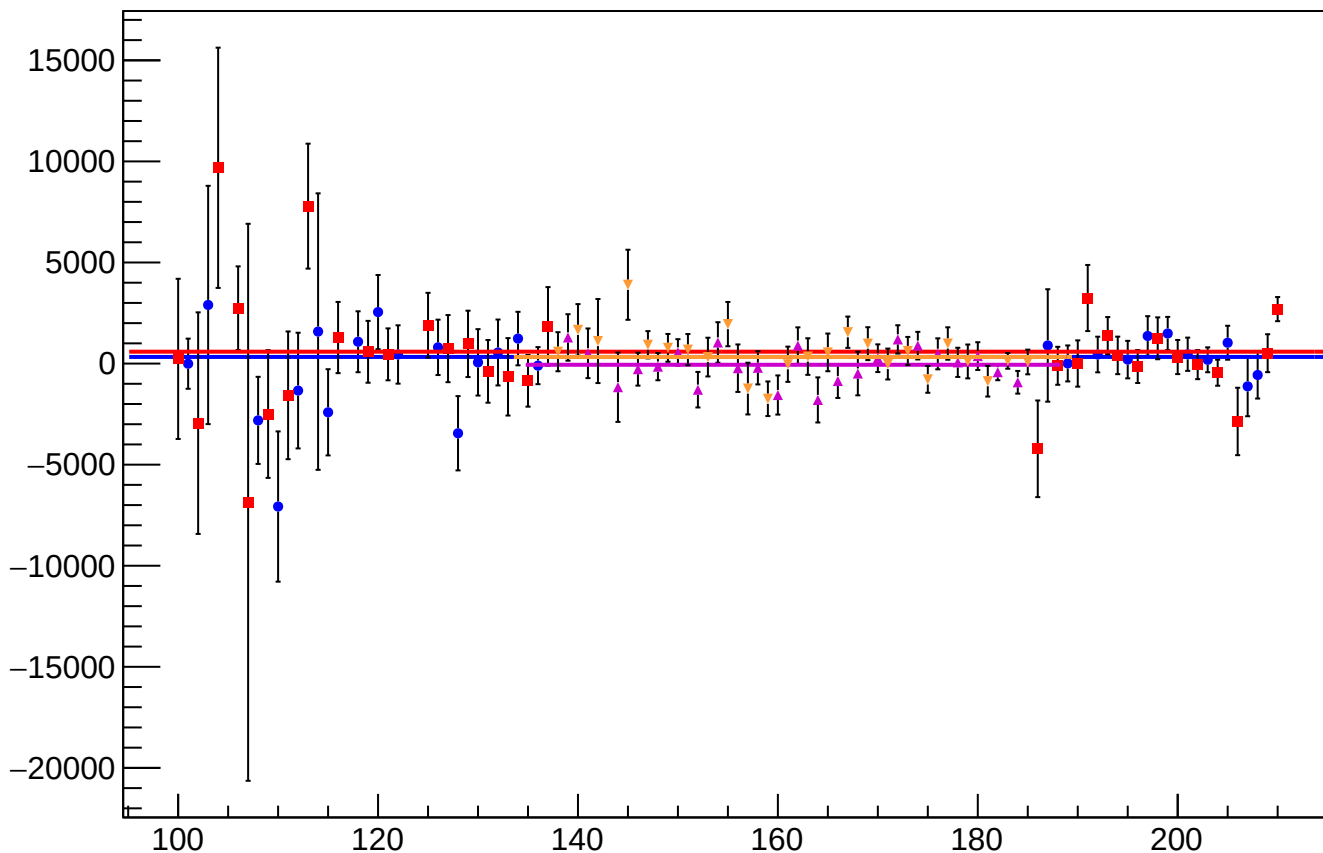
Left In: 2371.518 $\pm$ 0.392 χ^2 /NDF: 7053.5/22

+ sign 2407.049 $\pm$ 0.291 χ^2 /NDF: 306018.0/50

All: 2417.416 $\pm$ 0.204 χ^2 /NDF: 905751.7/105

- sign 2427.454 $\pm$ 0.286 χ^2 /NDF: 597232.4/54

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 328.150 ± 229.549 χ^2/NDF : 20.8/26

Left Out: 325.955 ± 160.042 χ^2/NDF : 26.8/23

Right Out: 587.794 ± 213.139 χ^2/NDF : 44.2/31

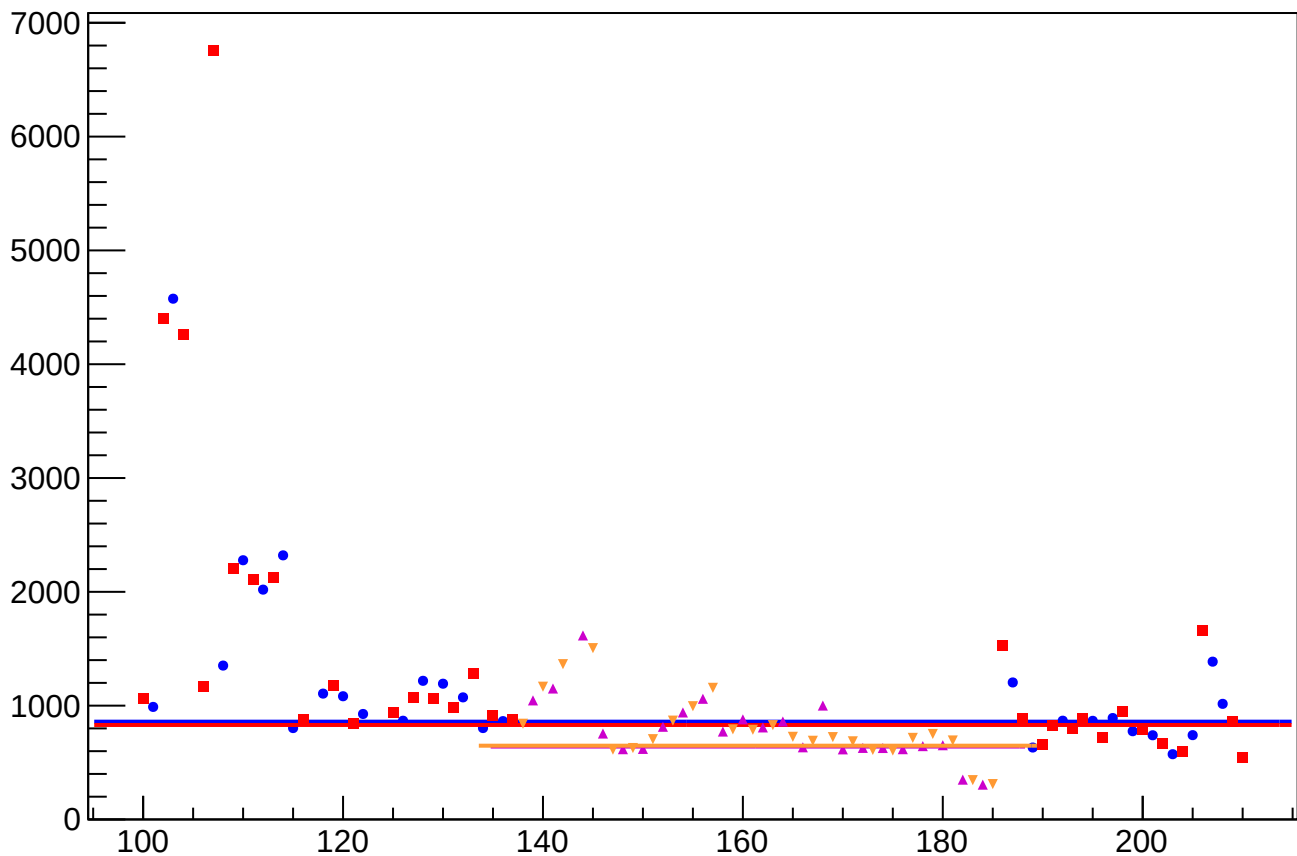
Left In: -59.619 ± 159.670 χ^2/NDF : 22.7/22

+ sign 326.673 ± 131.284 χ^2/NDF : 47.6/50

All: 247.818 ± 91.571 χ^2/NDF : 121.1/105

- sign 173.105 ± 127.789 χ^2/NDF : 72.8/54

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 859.230 ± 0.162 χ^2/NDF : 2906948.8/26

Left Out: 648.101 ± 0.113 χ^2/NDF : 3887001.9/23

Right Out: 830.224 ± 0.151 χ^2/NDF : 4984047.5/31

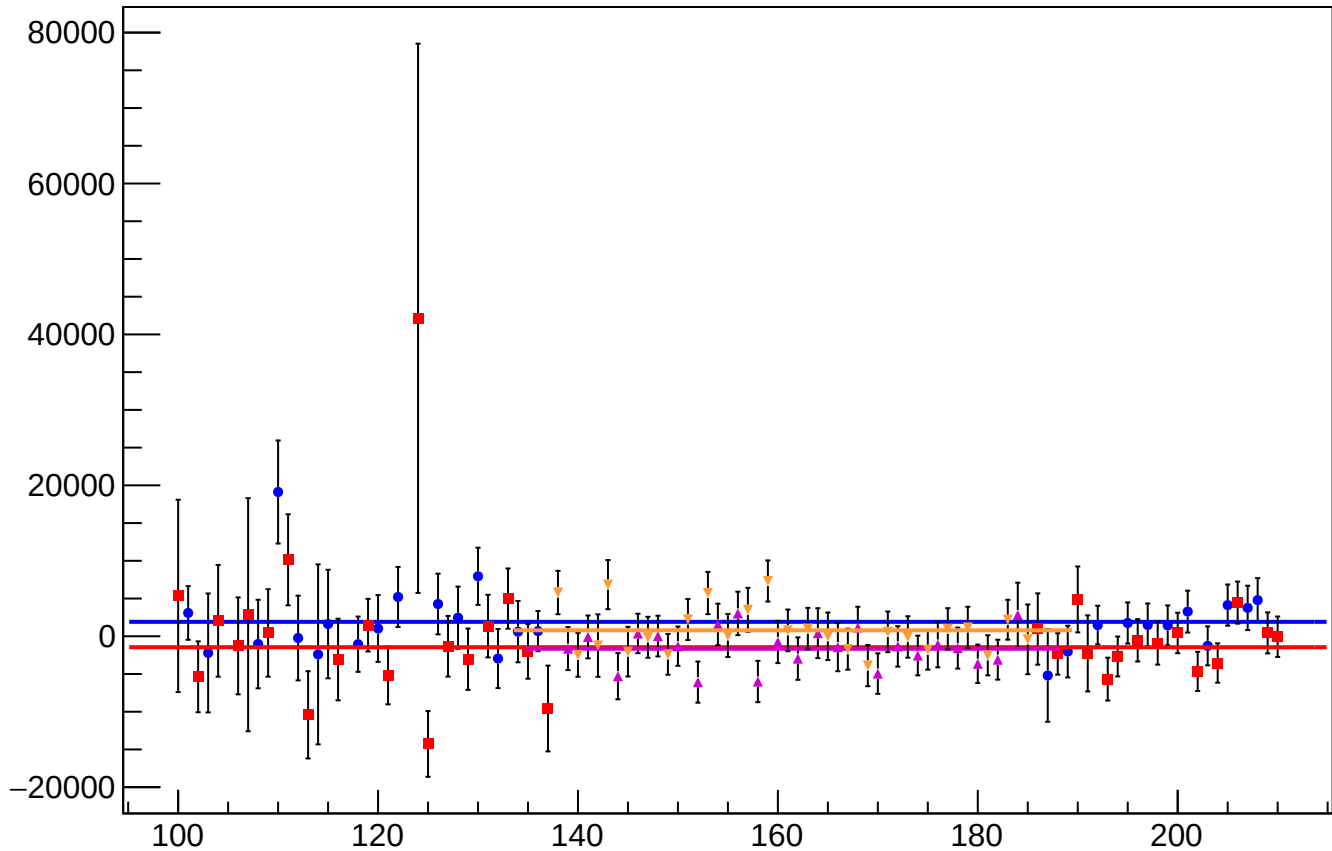
Left In: 640.423 ± 0.113 χ^2/NDF : 4128774.2/22

+ sign 717.160 ± 0.093 χ^2/NDF : 7932442.8/50

All: 712.790 ± 0.065 χ^2/NDF : 18065463.0/100

- sign 708.650 ± 0.090 χ^2/NDF : 10128705.3/54

asym_atl1_mean vs Slug



Right In: 1912.776 $\pm$ 680.096 χ^2 /NDF: 19.9/26

Left Out: 791.438 $\pm$ 573.266 χ^2 /NDF: 27.1/24

Right Out: -1451.851 $\pm$ 645.757 χ^2 /NDF: 37.6/32

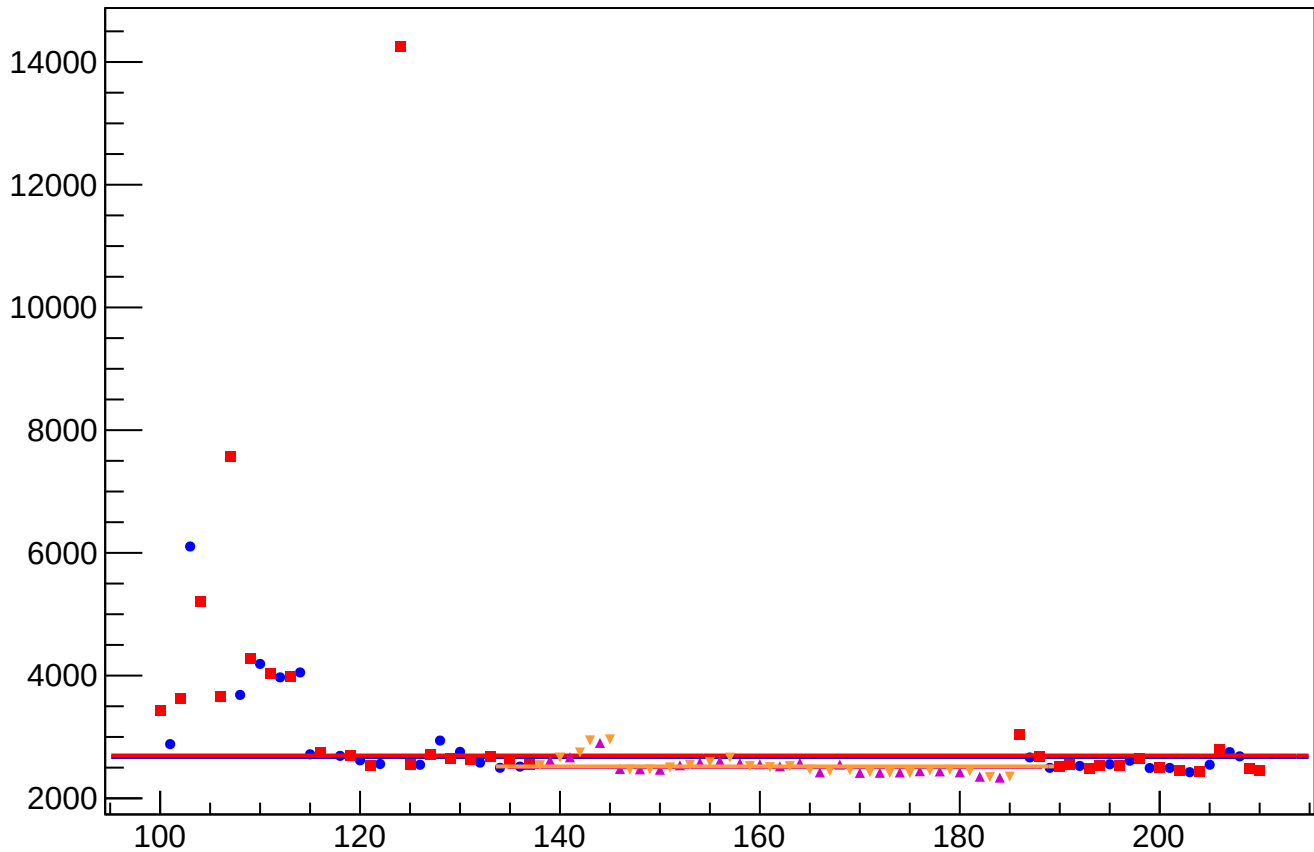
Left In: -1654.626 $\pm$ 586.767 χ^2 /NDF: 17.3/22

+ sign 1257.220 $\pm$ 438.322 χ^2 /NDF: 48.7/51

All: -165.953 $\pm$ 308.497 χ^2 /NDF: 124.5/107

- sign -1562.921 $\pm$ 434.268 χ^2 /NDF: 55.0/55

asym_atl1_rms vs Slug



Right In: 2672.779+/-0.481 χ^2/NDF : 761213.7/26

Left Out: 2519.516+/-0.405 χ^2/NDF : 115204.3/24

Right Out: 2697.467+/-0.457 χ^2/NDF : 1238357.4/32

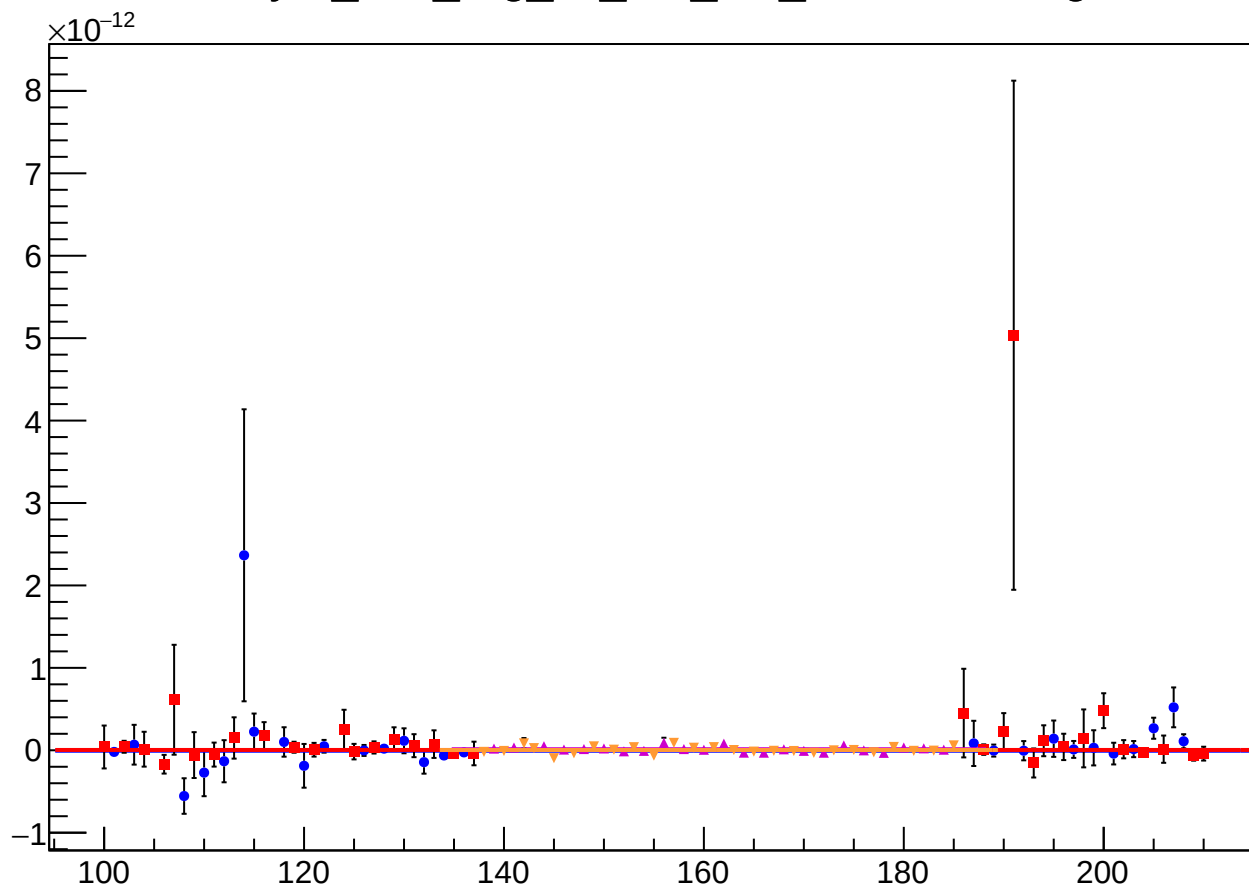
Left In: 2510.156+/-0.415 χ^2/NDF : 73771.4/22

+ sign 2583.178+/-0.310 χ^2/NDF : 935798.1/51

All: 2589.077+/-0.218 χ^2/NDF : 2340817.0/10

- sign 2594.867+/-0.307 χ^2/NDF : 1404301.2/55

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.9/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 20.7/32

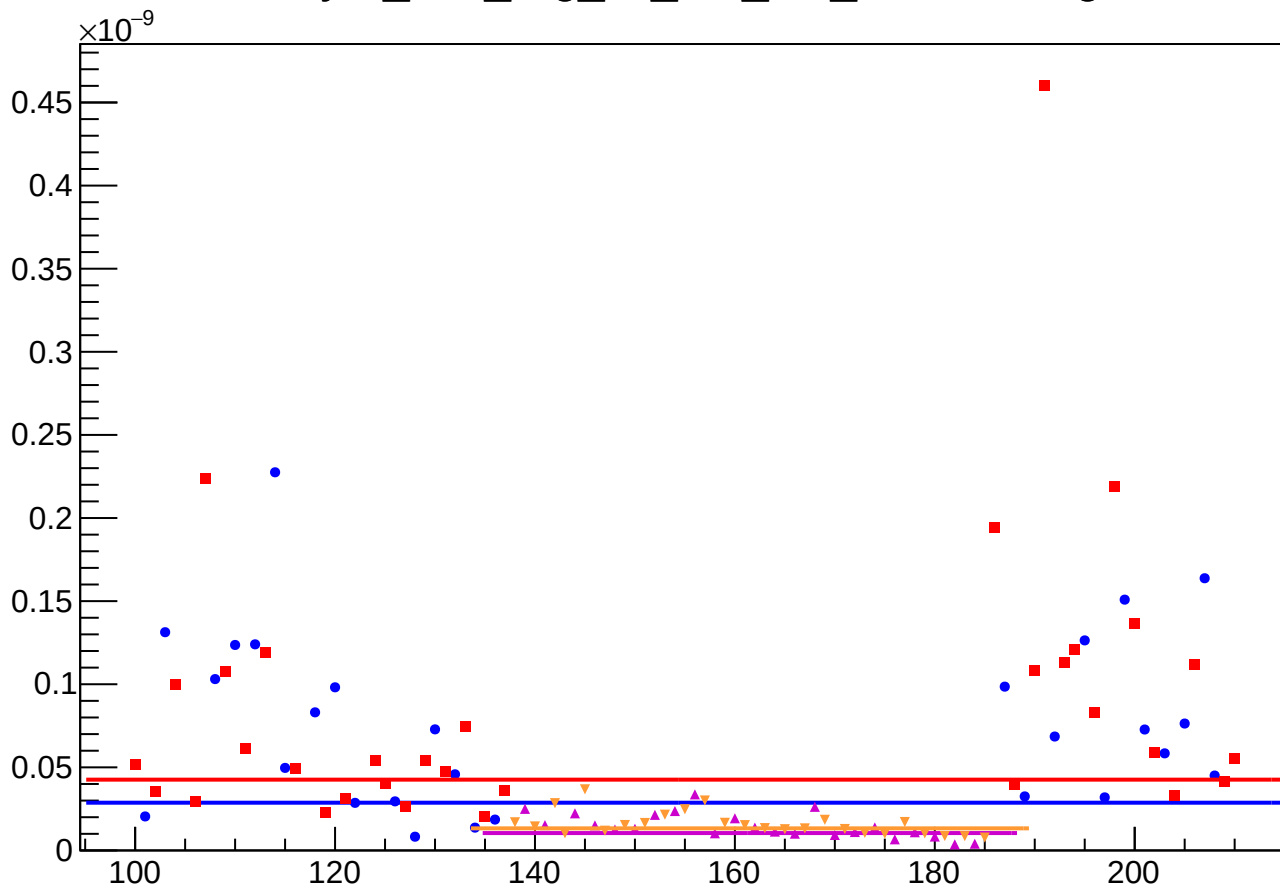
Left In: 0.000 ± 0.000 χ^2/NDF : 32.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 57.0/51

All: 0.000 ± 0.000 χ^2/NDF : 112.3/107

- sign 0.000 ± 0.000 χ^2/NDF : 53.2/55

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 5446245.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1472019.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3996546.2/32

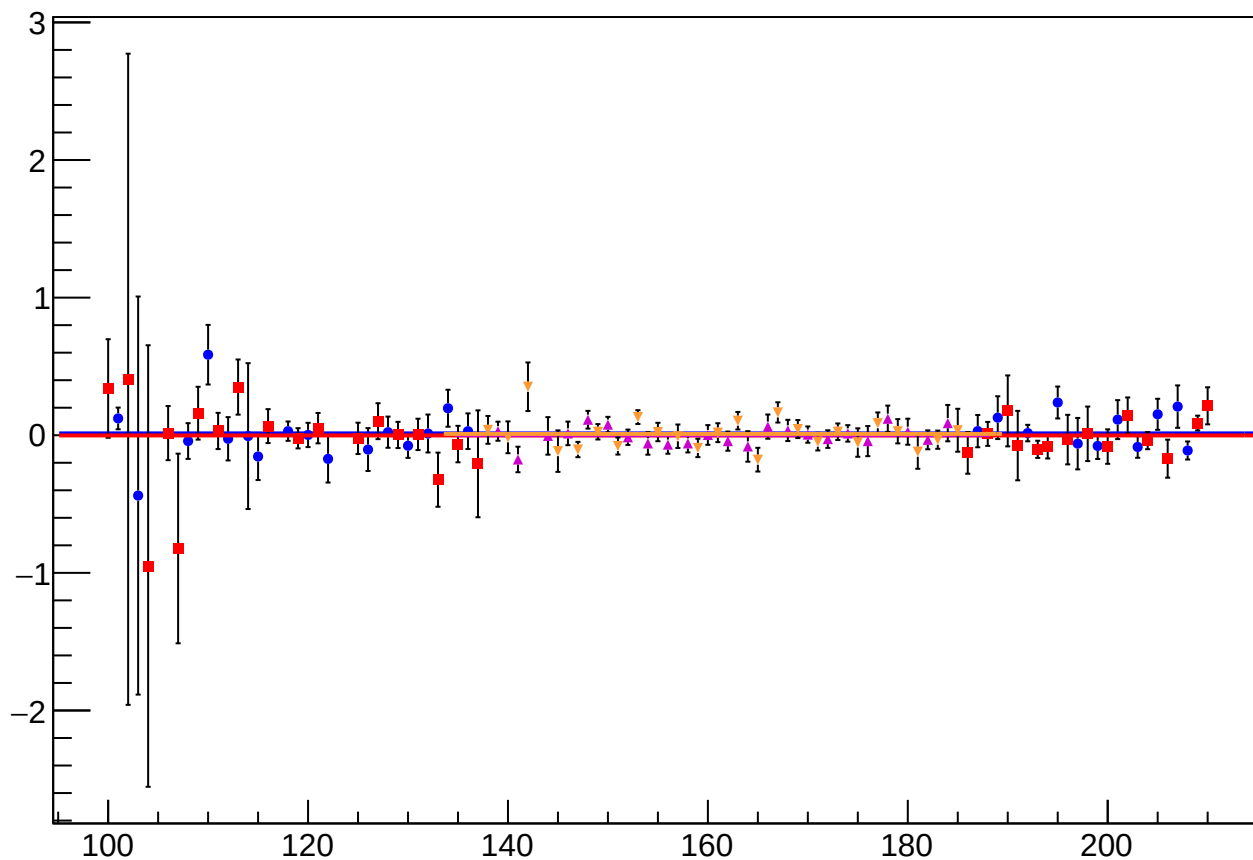
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2813965.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 8707423.2/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 21350320.9/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 12386130.6/55

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 ± 0.021 χ^2/NDF : 29.1/26

Left Out: 0.009 ± 0.015 χ^2/NDF : 34.7/23

Right Out: -0.002 ± 0.020 χ^2/NDF : 24.8/31

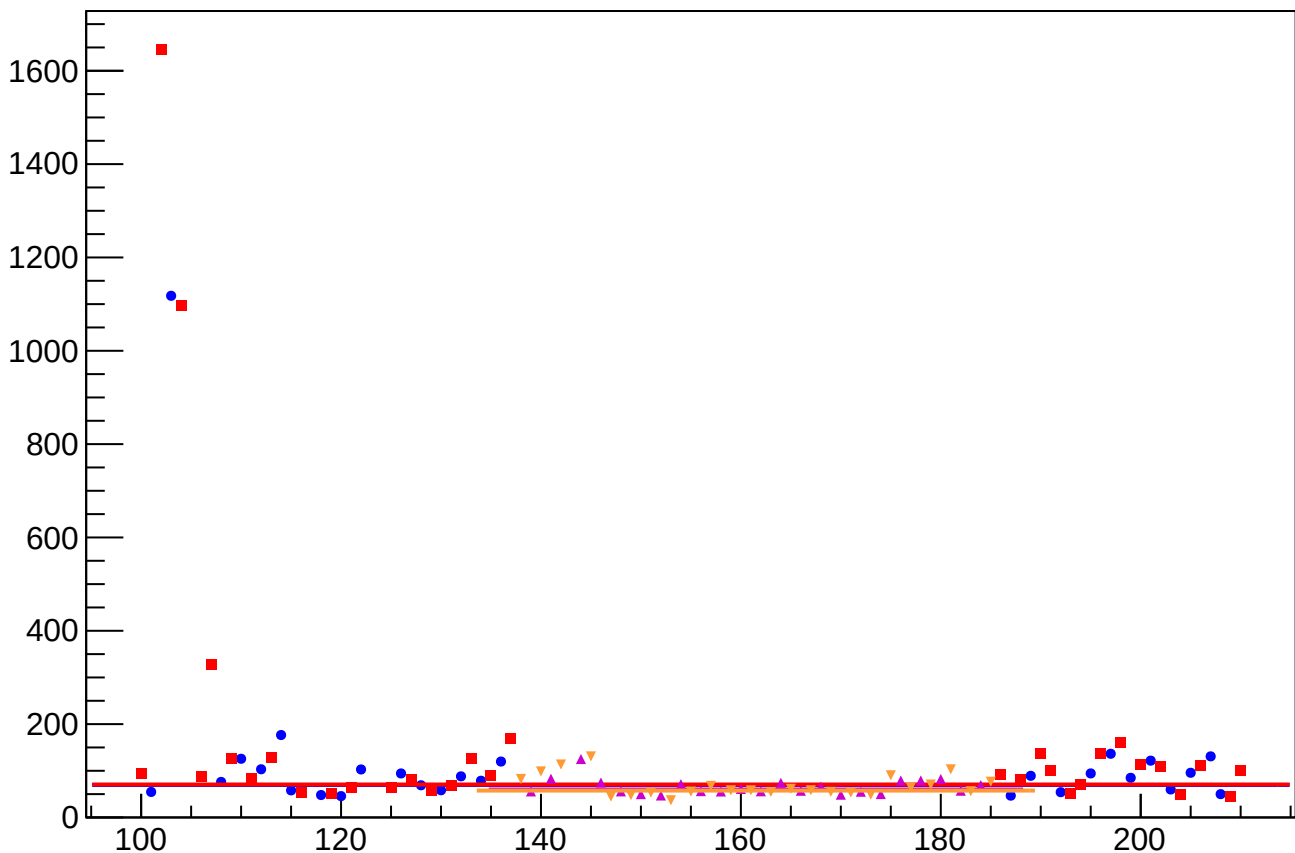
Left In: 0.001 ± 0.015 χ^2/NDF : 15.6/22

+ sign 0.011 ± 0.012 χ^2/NDF : 63.8/50

All: 0.005 ± 0.009 χ^2/NDF : 104.6/105

- sign -0.000 ± 0.012 χ^2/NDF : 40.4/54

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 69.666 $\pm$ 0.015 χ^2 /NDF: 3826822.9/26

Left Out: 57.606 $\pm$ 0.011 χ^2 /NDF: 2213142.2/23

Right Out: 70.519 $\pm$ 0.014 χ^2 /NDF: 5396604.1/31

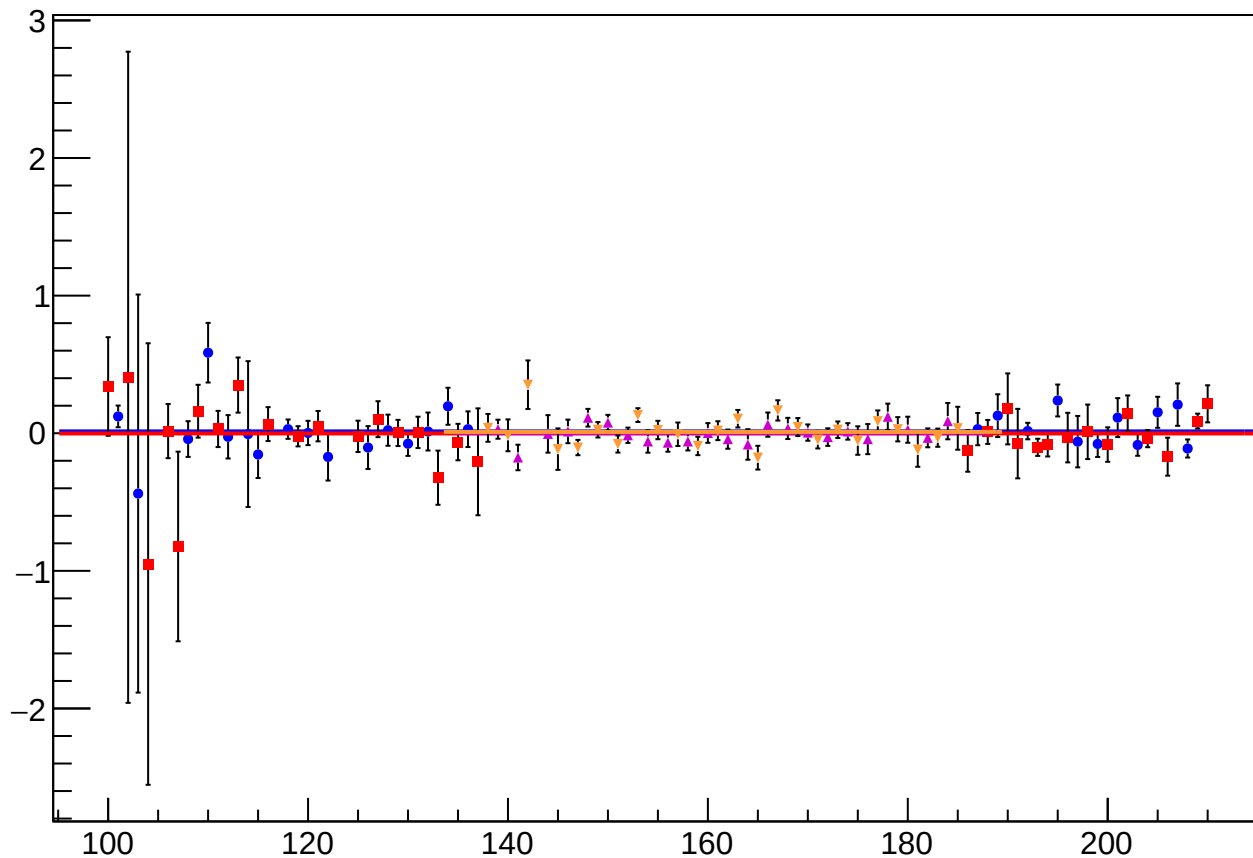
Left In: 59.828 $\pm$ 0.011 χ^2 /NDF: 1340700.1/22

+ sign 61.724 $\pm$ 0.009 χ^2 /NDF: 6475244.3/50

All: 62.715 $\pm$ 0.006 χ^2 /NDF: 13585781.3/105

- sign 63.722 $\pm$ 0.009 χ^2 /NDF: 7084199.2/54

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 ± 0.021 χ^2/NDF : 29.1/26

Left Out: 0.009 ± 0.015 χ^2/NDF : 34.7/23

Right Out: -0.002 ± 0.020 χ^2/NDF : 24.8/31

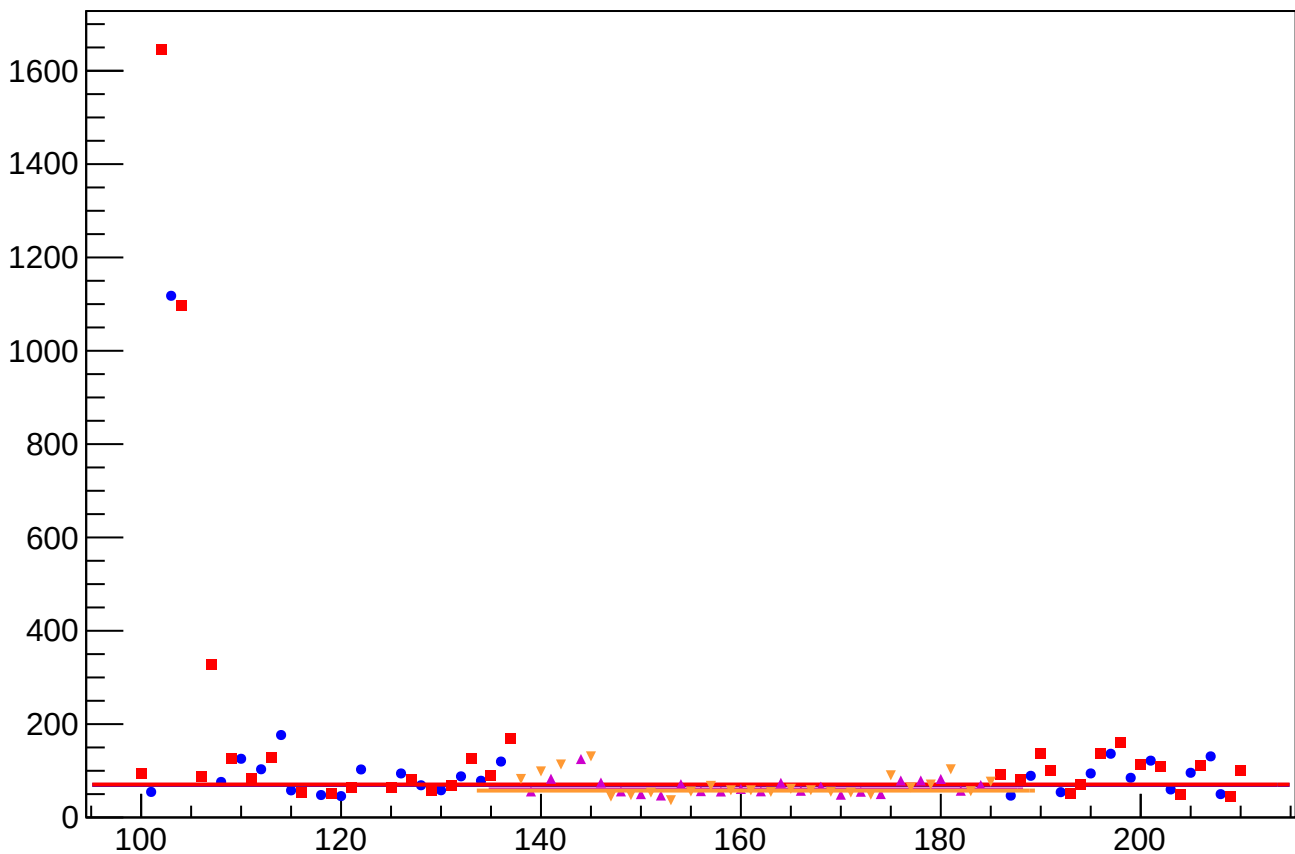
Left In: 0.001 ± 0.015 χ^2/NDF : 15.6/22

+ sign 0.011 ± 0.012 χ^2/NDF : 63.8/50

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- sign -0.000 ± 0.012 χ^2/NDF : 40.4/54

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.666 $\pm$ 0.015 χ^2 /NDF: 3826822.9/26

Left Out: 57.606 $\pm$ 0.011 χ^2 /NDF: 2213142.2/23

Right Out: 70.519 $\pm$ 0.014 χ^2 /NDF: 5396604.1/31

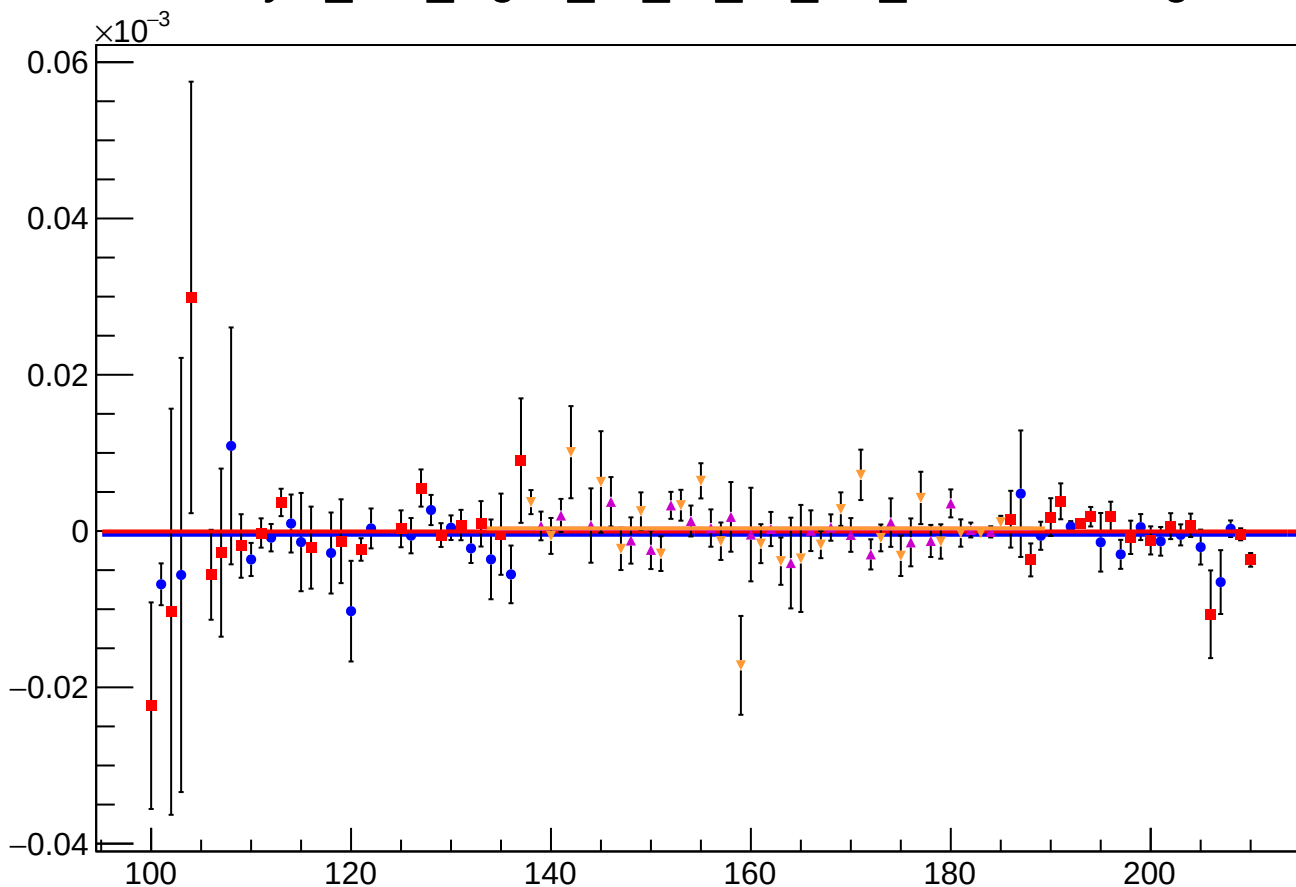
Left In: 59.828 $\pm$ 0.011 χ^2 /NDF: 1340700.1/22

+ sign 61.724 $\pm$ 0.009 χ^2 /NDF: 6475244.3/50

All: 62.715 $\pm$ 0.006 χ^2 /NDF: 13585781.3/105

- sign 63.722 $\pm$ 0.009 χ^2 /NDF: 7084199.2/54

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 25.9/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 46.8/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 54.4/31

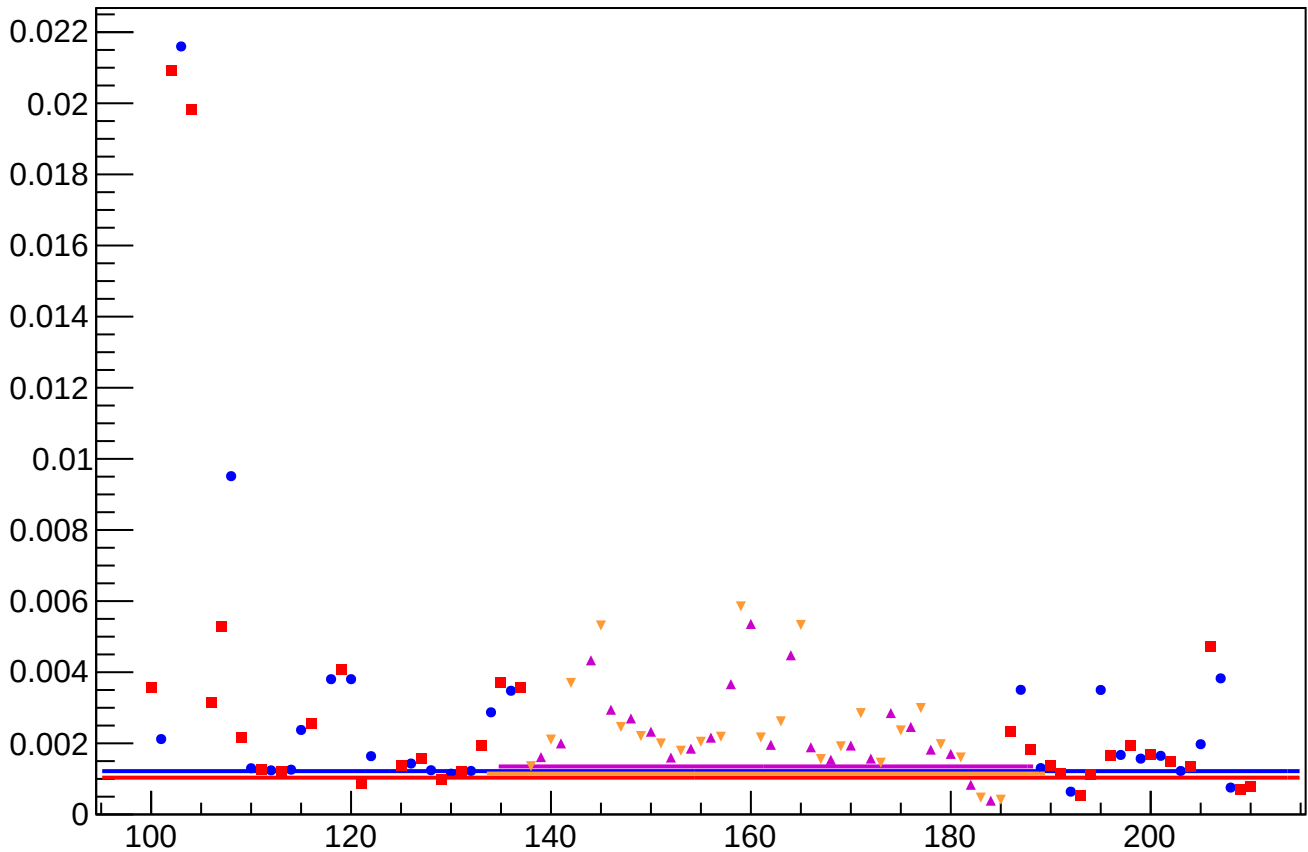
Left In: 0.000 ± 0.000 χ^2/NDF : 14.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 75.3/50

All: 0.000 ± 0.000 χ^2/NDF : 145.2/105

- sign 0.000 ± 0.000 χ^2/NDF : 69.8/54

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2/NDF : 7900025.6/26

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF :13242273.9/23

Right Out: 0.001 $\pm$ 0.000 χ^2/NDF : 9354845.8/31

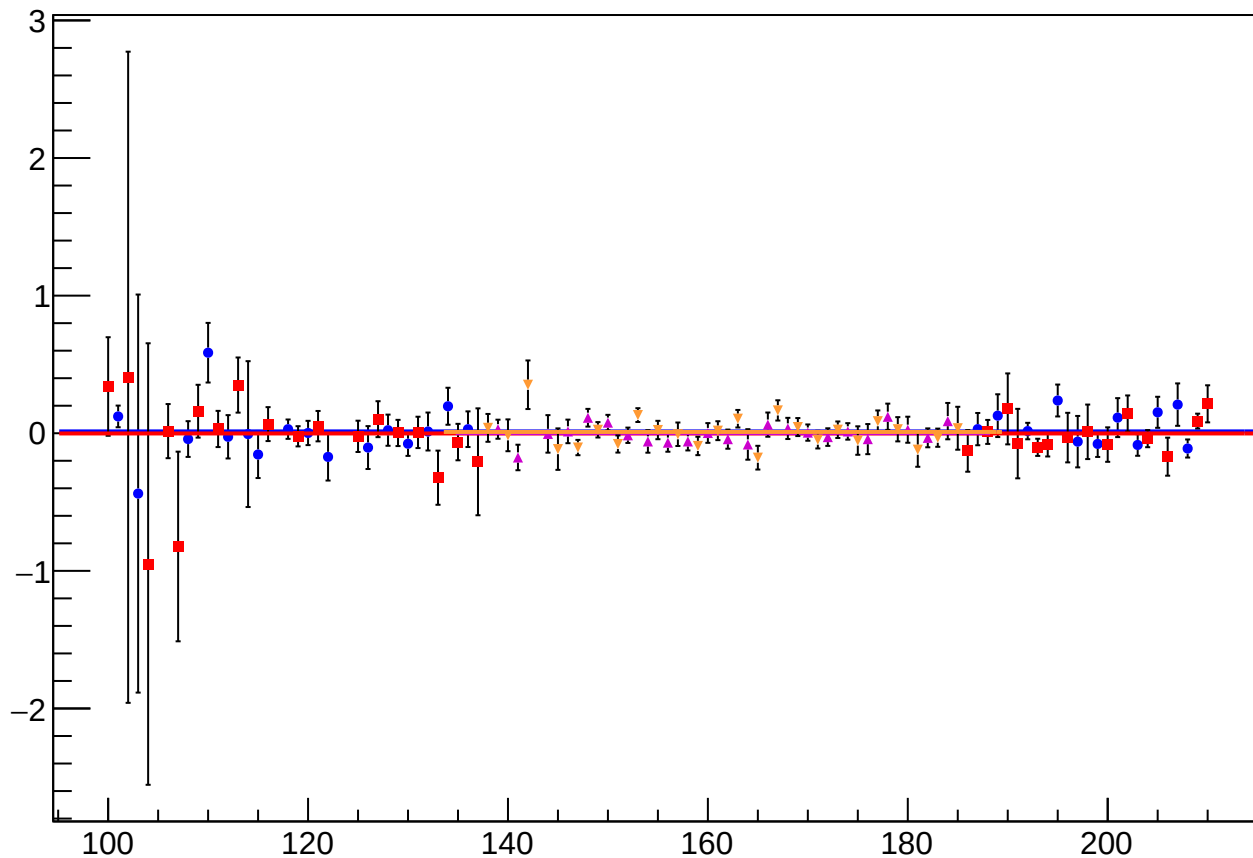
Left In: 0.001 $\pm$ 0.000 χ^2/NDF :10247159.8/22

+ sign 0.001 $\pm$ 0.000 χ^2/NDF : 21179447.8/50

All: 0.001 $\pm$ 0.000 χ^2/NDF : 41639115.0/105

- sign 0.001 $\pm$ 0.000 χ^2/NDF : 20446743.4/54

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 ± 0.021 χ^2/NDF : 29.1/26

Left Out: 0.009 ± 0.015 χ^2/NDF : 34.7/23

Right Out: -0.002 ± 0.020 χ^2/NDF : 24.8/31

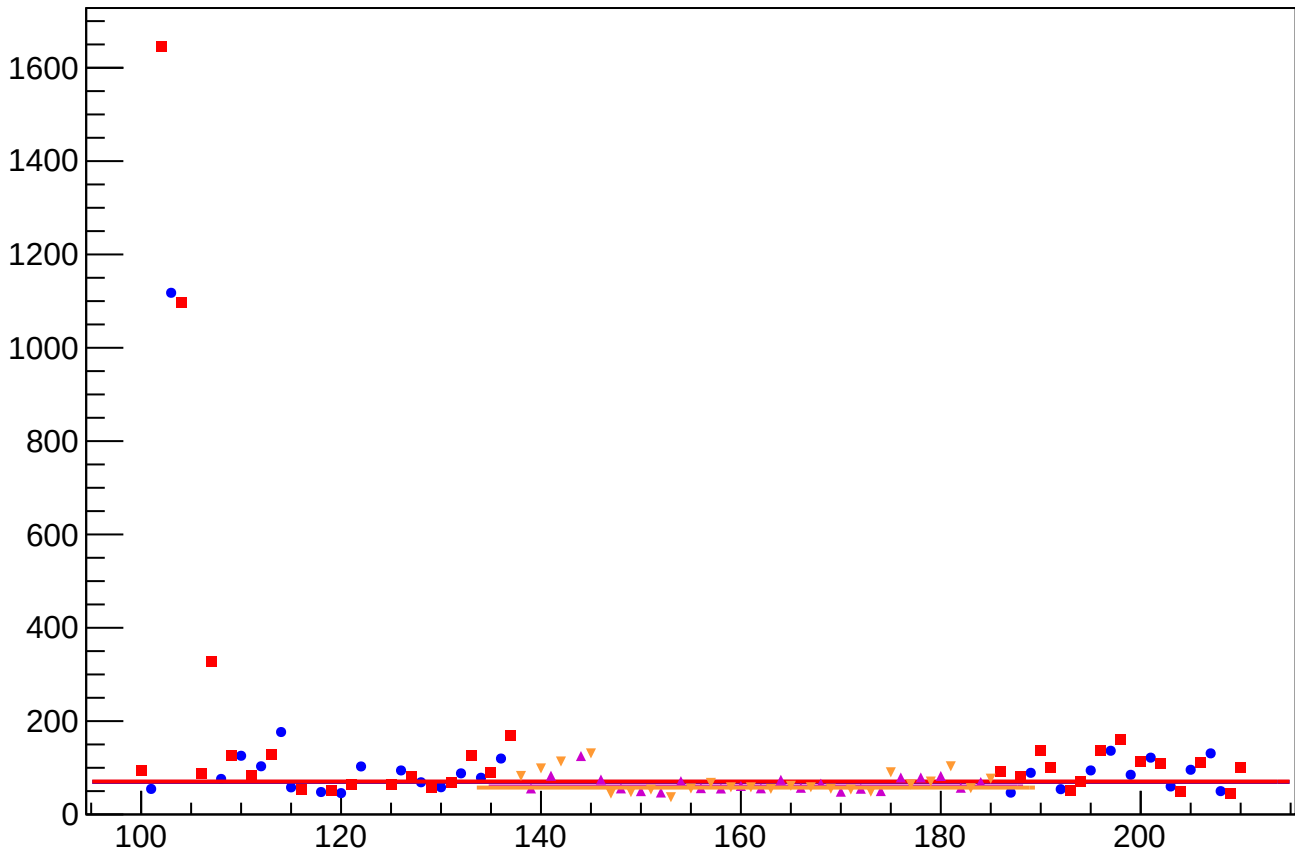
Left In: 0.001 ± 0.015 χ^2/NDF : 15.6/22

+ sign 0.011 ± 0.012 χ^2/NDF : 63.8/50

All: 0.005 ± 0.009 χ^2/NDF : 104.6/105

- sign -0.000 ± 0.012 χ^2/NDF : 40.4/54

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.665 ± 0.015 χ^2/NDF : 3826986.2/26

Left Out: 57.606 ± 0.011 χ^2/NDF : 2213216.3/23

Right Out: 70.519 ± 0.014 χ^2/NDF : 5396696.4/31

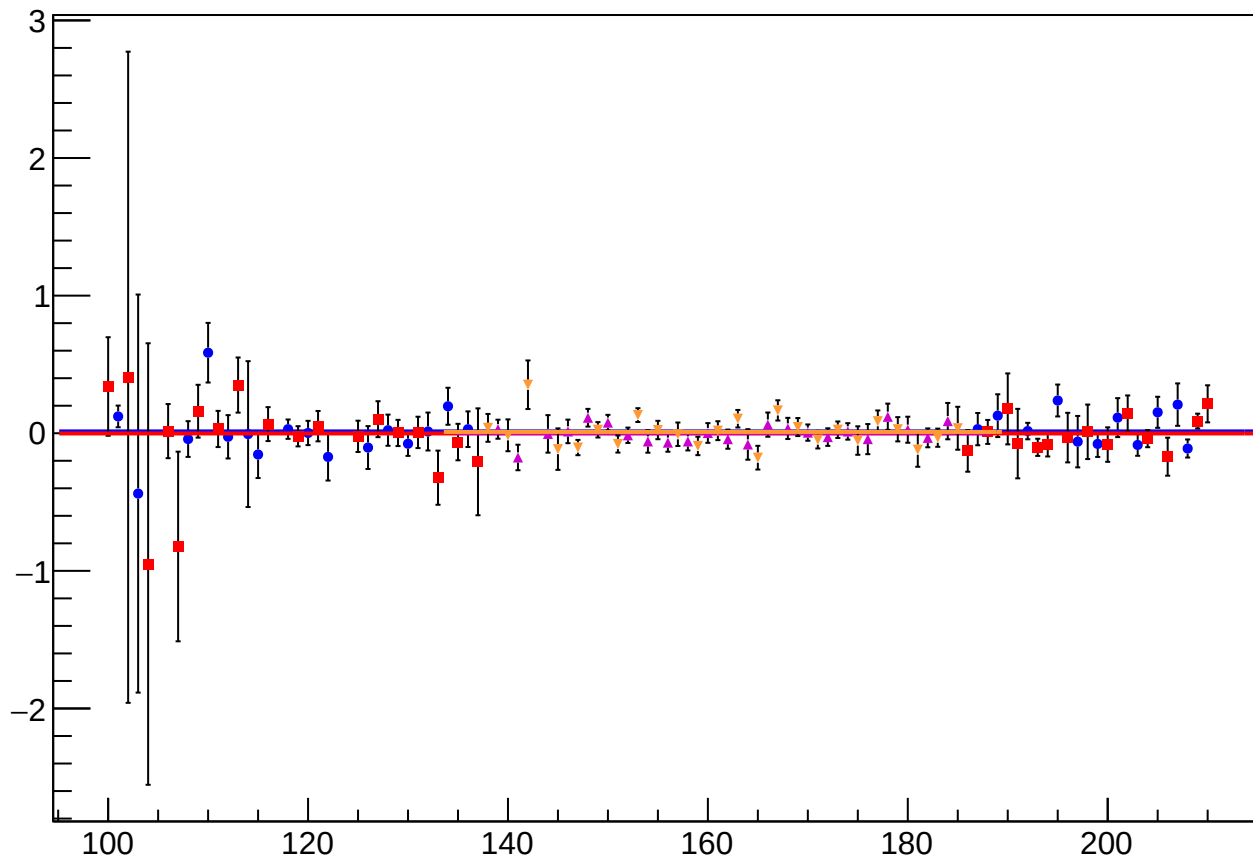
Left In: 59.828 ± 0.011 χ^2/NDF : 1340684.6/22

+ sign 61.724 ± 0.009 χ^2/NDF : 6475437.5/50

All: 62.715 ± 0.006 χ^2/NDF : 13586025.2/105

- sign 63.722 ± 0.009 χ^2/NDF : 7084244.7/54

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 ± 0.021 χ^2/NDF : 29.1/26

Left Out: 0.009 ± 0.015 χ^2/NDF : 34.7/23

Right Out: -0.002 ± 0.020 χ^2/NDF : 24.8/31

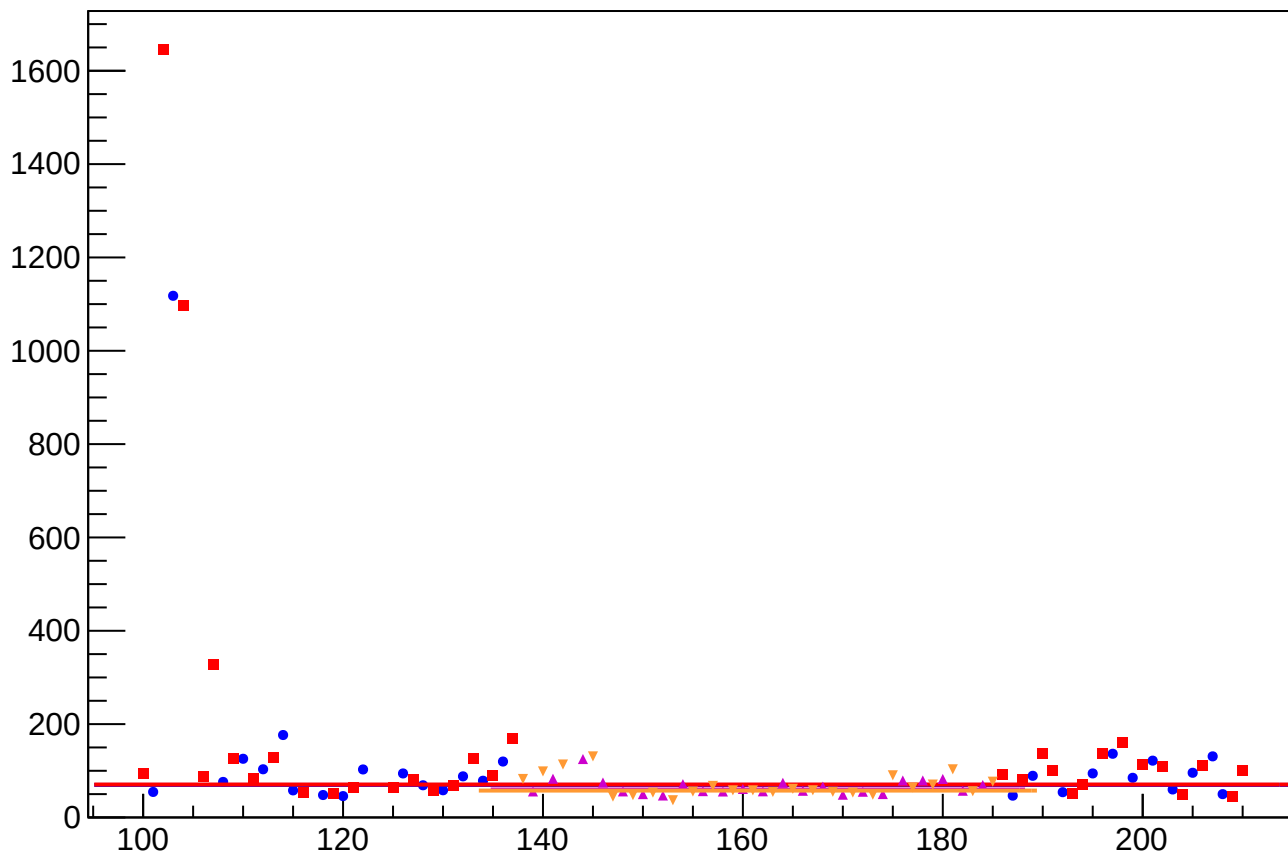
Left In: 0.001 ± 0.015 χ^2/NDF : 15.6/22

+ sign 0.011 ± 0.012 χ^2/NDF : 63.8/50

All: 0.005 ± 0.009 χ^2/NDF : 104.6/105

- sign -0.000 ± 0.012 χ^2/NDF : 40.4/54

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.665 $\pm$ 0.015 χ^2 /NDF: 3826986.2/26

Left Out: 57.606 $\pm$ 0.011 χ^2 /NDF: 2213216.3/23

Right Out: 70.519 $\pm$ 0.014 χ^2 /NDF: 5396696.4/31

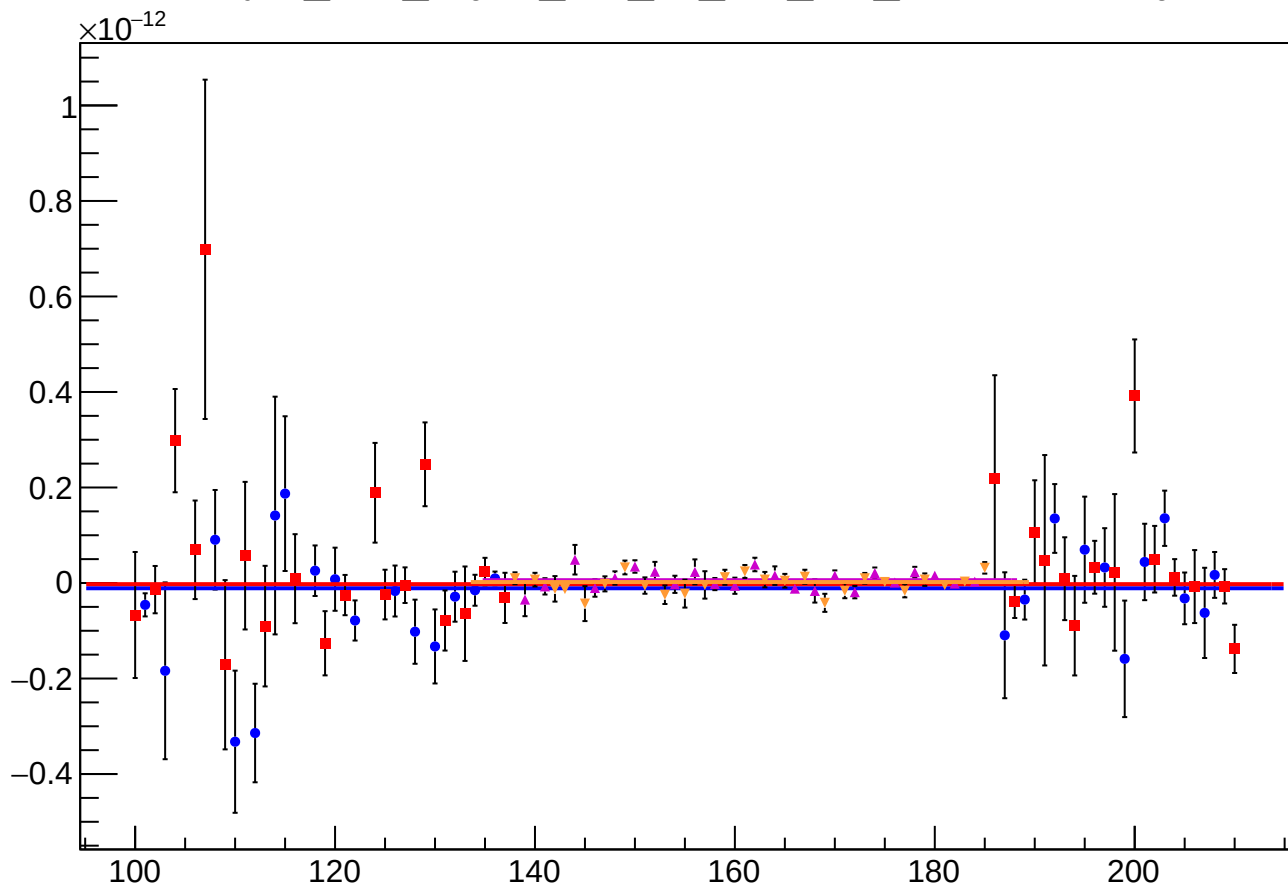
Left In: 59.828 $\pm$ 0.011 χ^2 /NDF: 1340684.6/22

+ sign 61.724 $\pm$ 0.009 χ^2 /NDF: 6475437.5/50

All: 62.715 $\pm$ 0.006 χ^2 /NDF: 13586025.2/105

- sign 63.722 $\pm$ 0.009 χ^2 /NDF: 7084244.7/54

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 43.6/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 31.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 55.7/32

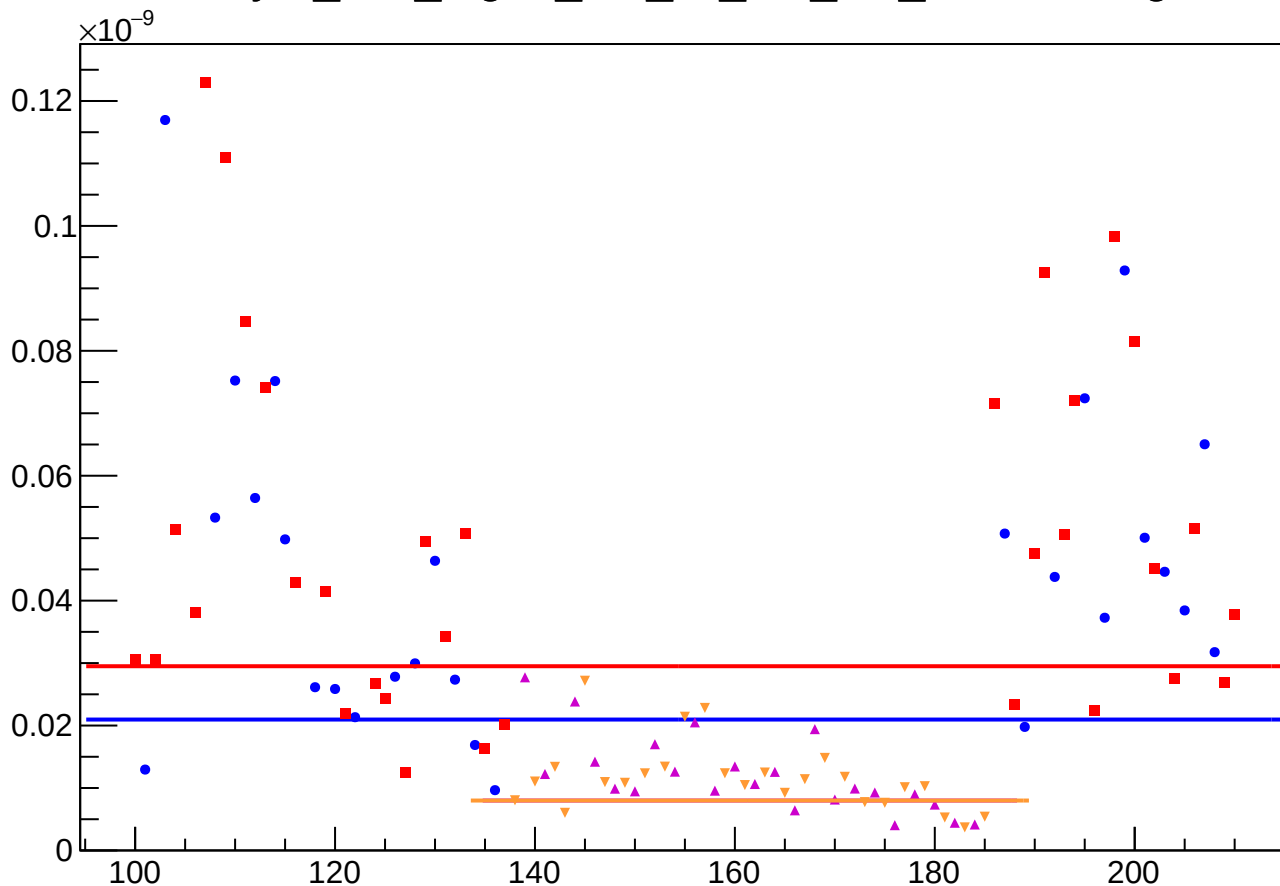
Left In: 0.000 ± 0.000 χ^2/NDF : 32.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 77.5/51

All: 0.000 ± 0.000 χ^2/NDF : 168.0/107

- sign 0.000 ± 0.000 χ^2/NDF : 88.9/55

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6061133.8/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4887759.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4373173.8/32

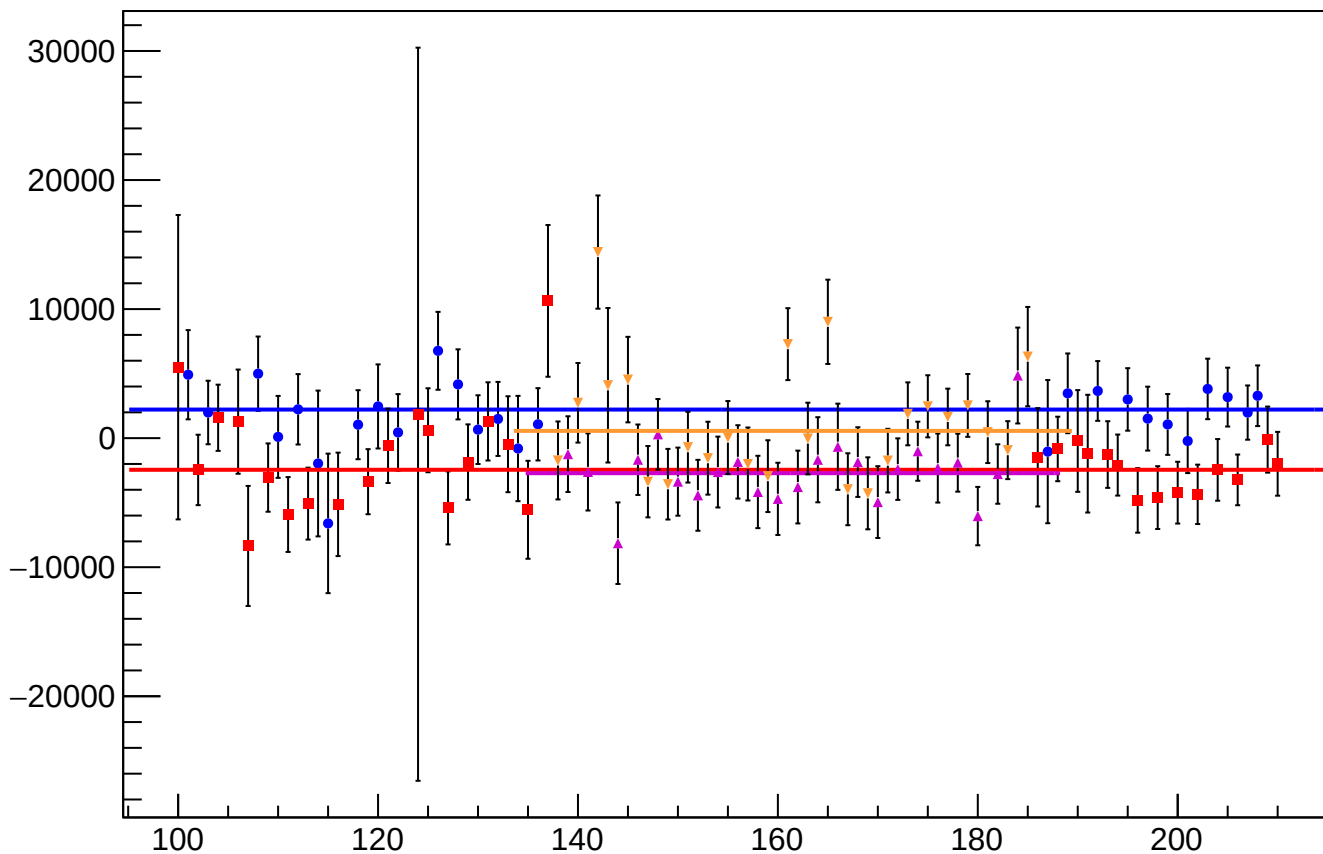
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 5188583.5/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 14853452.6/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 32107106.4/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 17243788.4/55

reg_asym_atl2_mean vs Slug



Right In: 2214.836 $\pm$ 535.103 χ^2 /NDF: 12.8/26

Left Out: 562.390 $\pm$ 557.316 χ^2 /NDF: 43.9/24

Right Out: -2452.249 $\pm$ 508.835 χ^2 /NDF: 23.3/32

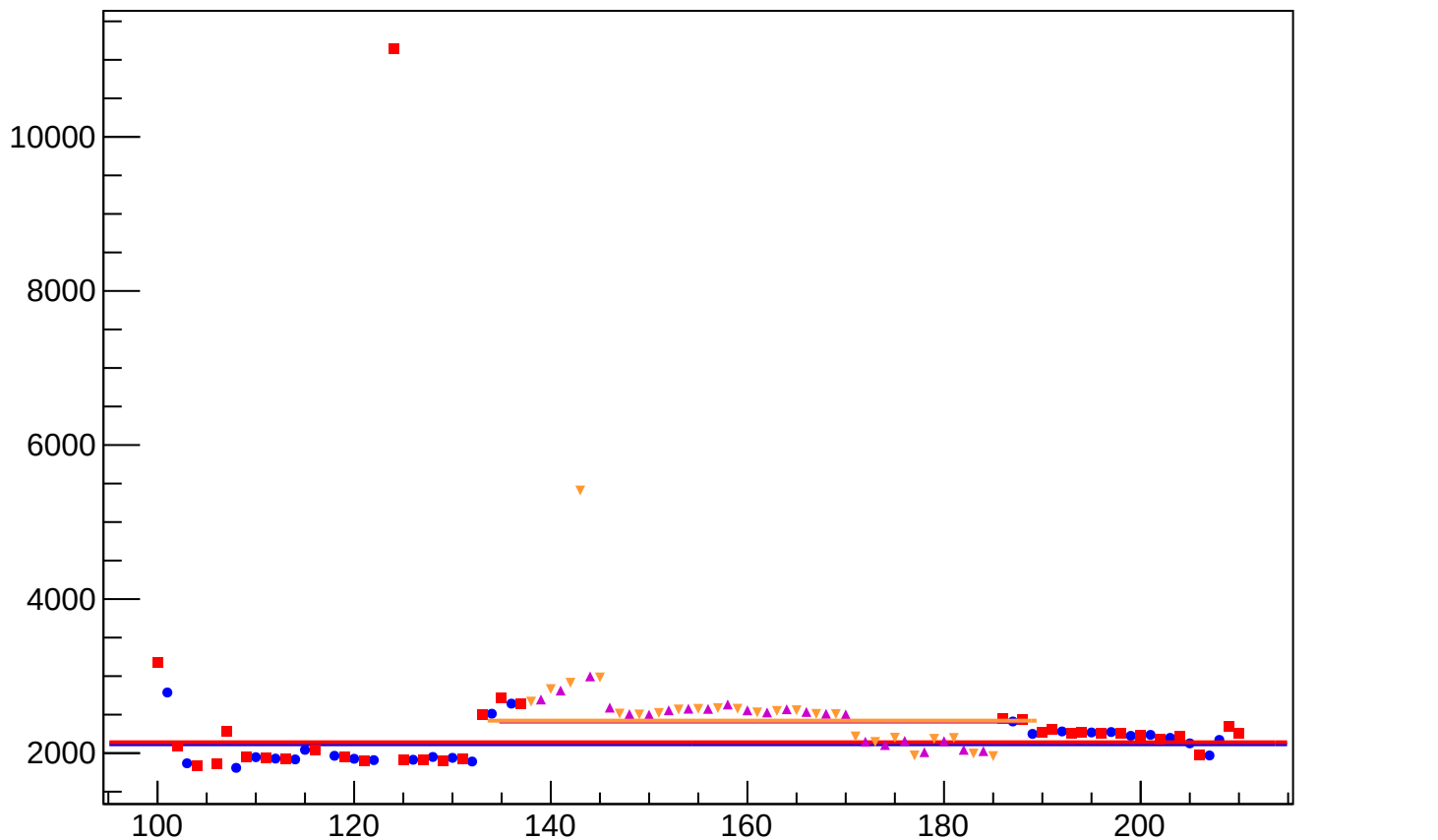
Left In: -2716.200 $\pm$ 566.202 χ^2 /NDF: 14.3/22

+ sign 1422.200 $\pm$ 385.989 χ^2 /NDF: 61.3/51

All: -613.294 $\pm$ 270.235 χ^2 /NDF: 153.6/107

- sign -2570.180 $\pm$ 378.462 χ^2 /NDF: 37.7/55

reg_asym_atl2_rms vs Slug



Right In: 2115.930 $\pm$ 0.378 χ^2 /NDF: 344007.3/26

Left Out: 2422.152 $\pm$ 0.394 χ^2 /NDF: 952857.9/24

Right Out: 2141.355 $\pm$ 0.360 χ^2 /NDF: 543956.0/32

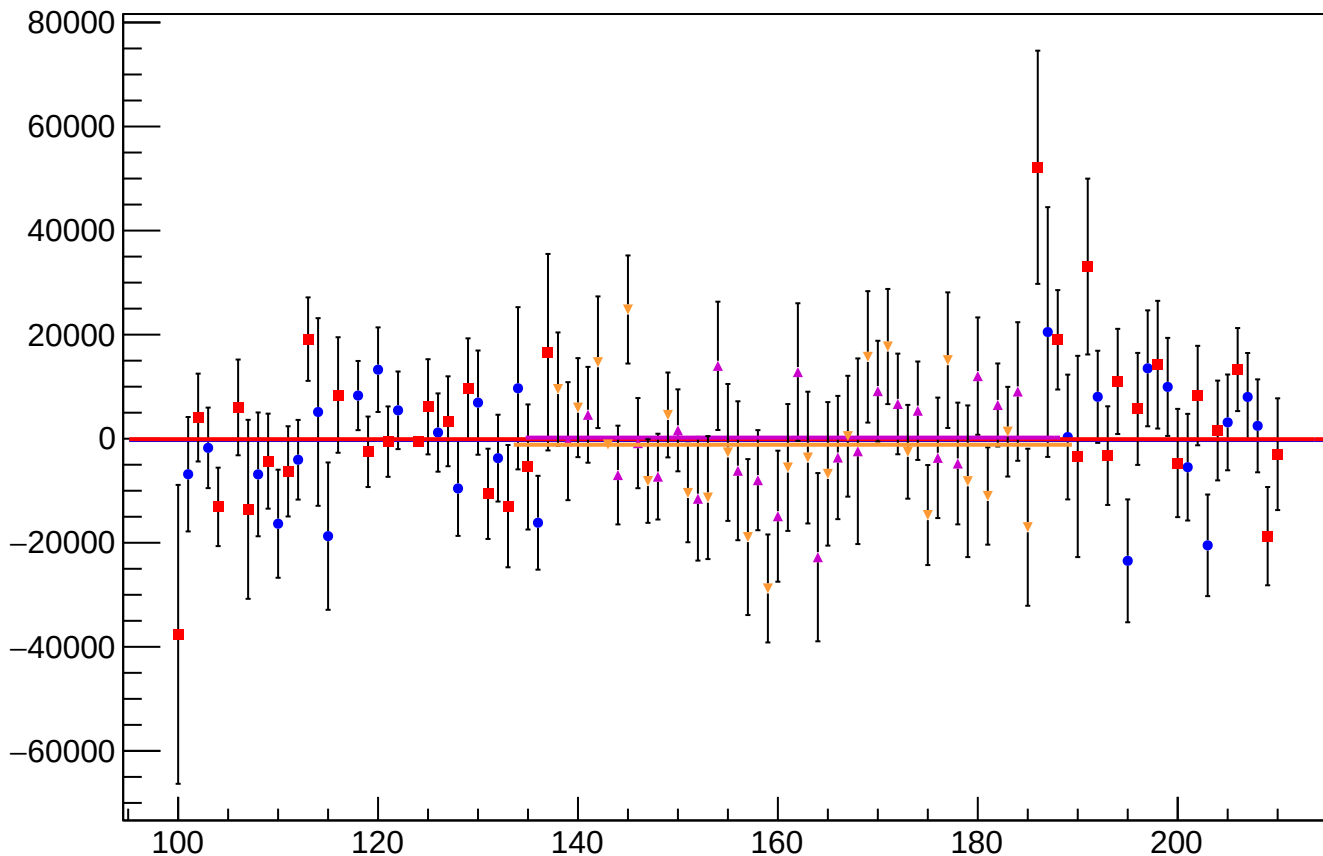
Left In: 2409.820 $\pm$ 0.400 χ^2 /NDF: 428364.2/22

+ sign 2262.816 $\pm$ 0.273 χ^2 /NDF: 1611042.6/51

All: 2262.044 $\pm$ 0.191 χ^2 /NDF: 2832122.9/100

- sign 2261.302 $\pm$ 0.268 χ^2 /NDF: 1221064.6/55

asym_atl2_reg_correction_mean vs Slug



Right In: -254.859 ± 1829.010 χ^2/NDF : 29.4/26

Left Out: -1158.214 ± 757.797 χ^2/NDF : 31.9/24

Right Out: -94.008 ± 742.043 χ^2/NDF : 42.8/32

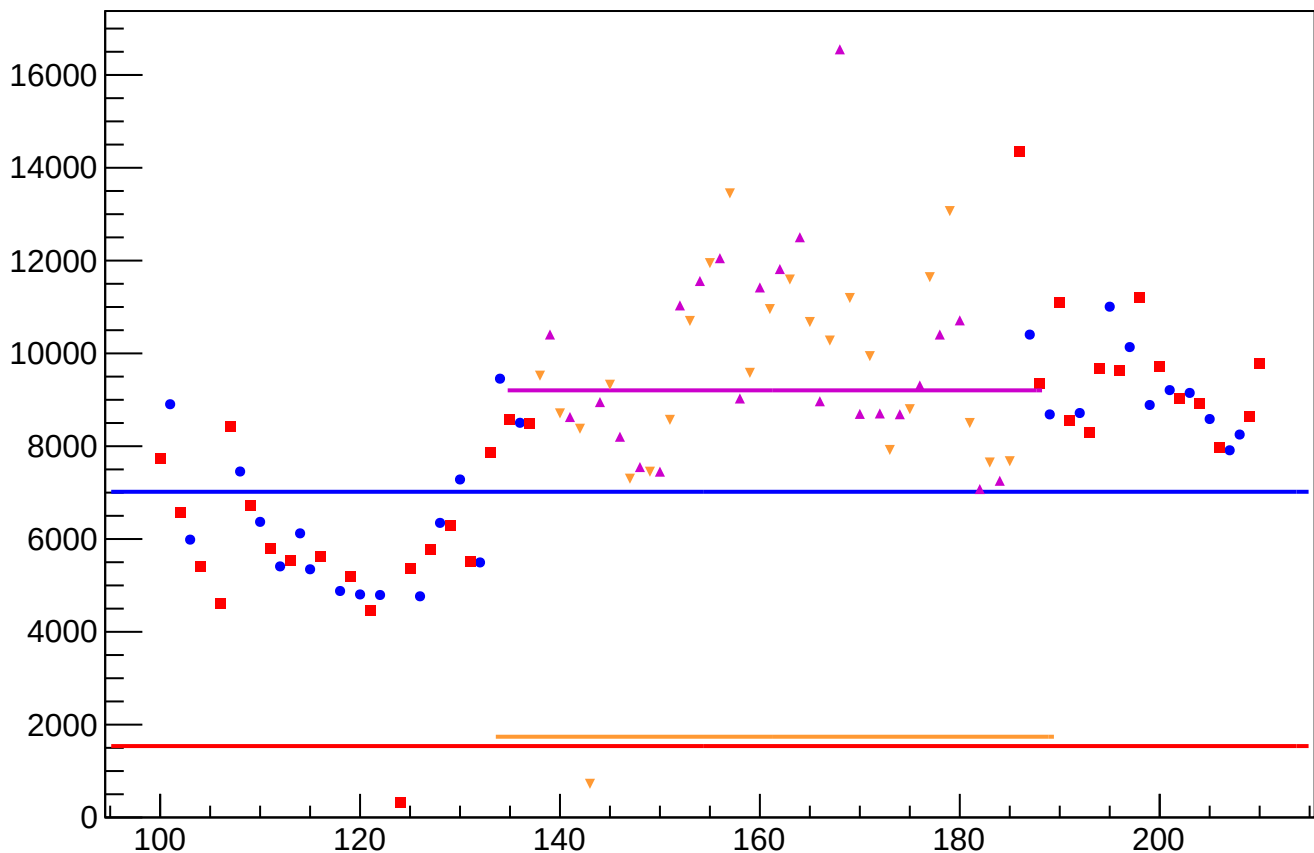
Left In: 209.655 ± 2195.058 χ^2/NDF : 13.4/22

+ sign -1025.862 ± 700.087 χ^2/NDF : 61.5/51

All: -546.337 ± 496.050 χ^2/NDF : 118.7/107

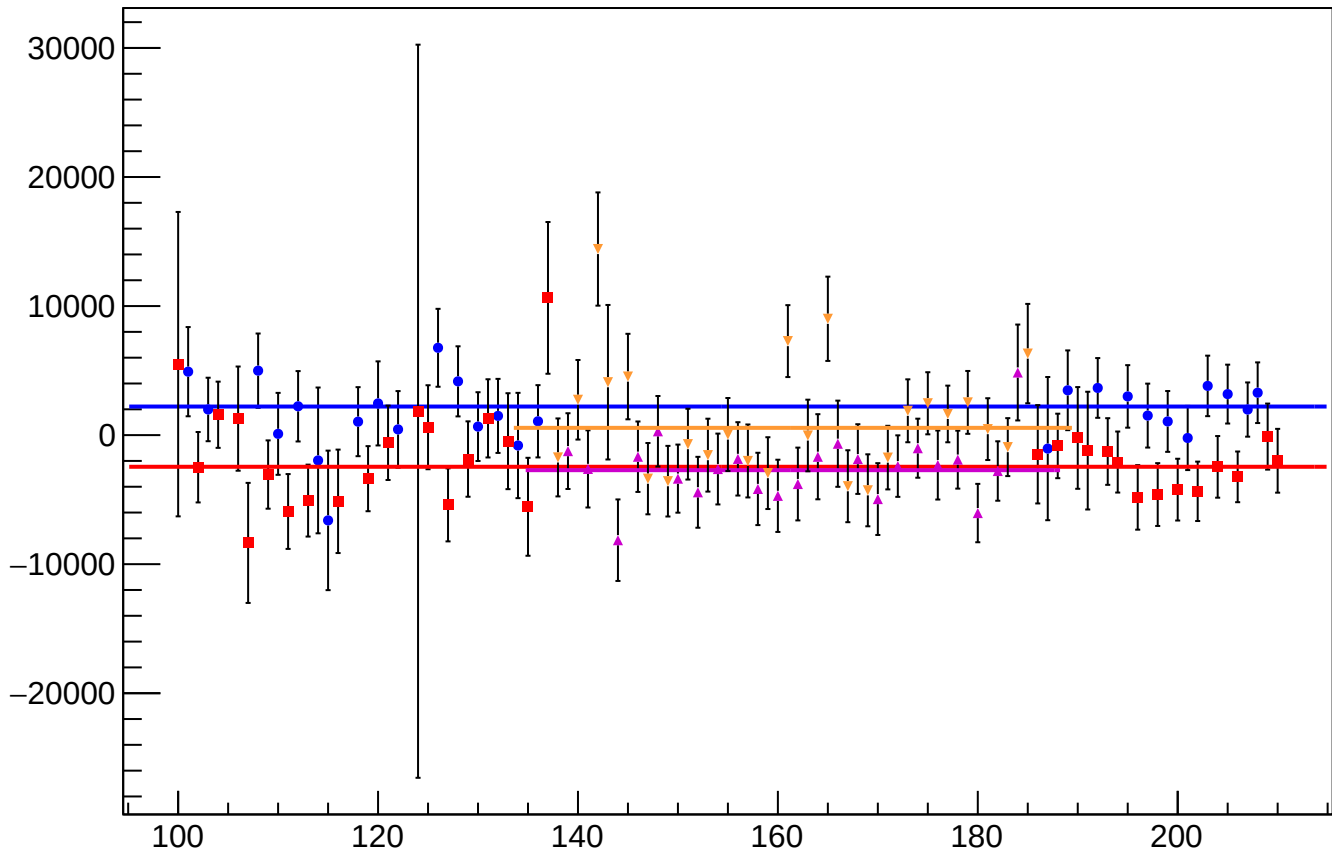
- sign -62.865 ± 702.962 χ^2/NDF : 56.2/55

asym_atl2_reg_correction_rms vs Slug



Right In: 7018.064+/-1.293	χ^2/NDF : 2040797.8/26	+ sign 2513.033+/-0.495	χ^2/NDF : 43991436.9/51
Left Out: 1739.692+/-0.536	χ^2/NDF : 27734045.9/24	All: 2419.127+/-0.351	χ^2/NDF : 94455380.8/1
Right Out: 1538.288+/-0.525	χ^2/NDF : 27230827.0/32	- sign 2324.447+/-0.497	χ^2/NDF : 50391678.1/55
Left In: 9203.758+/-1.552	χ^2/NDF : 1272066.5/22		

cor_asym_atl2_mean vs Slug



Right In: 2214.819 ± 535.103 χ^2/NDF : 12.8/26

Left Out: 562.392 ± 557.316 χ^2/NDF : 43.9/24

Right Out: -2453.076 ± 508.838 χ^2/NDF : 23.3/32

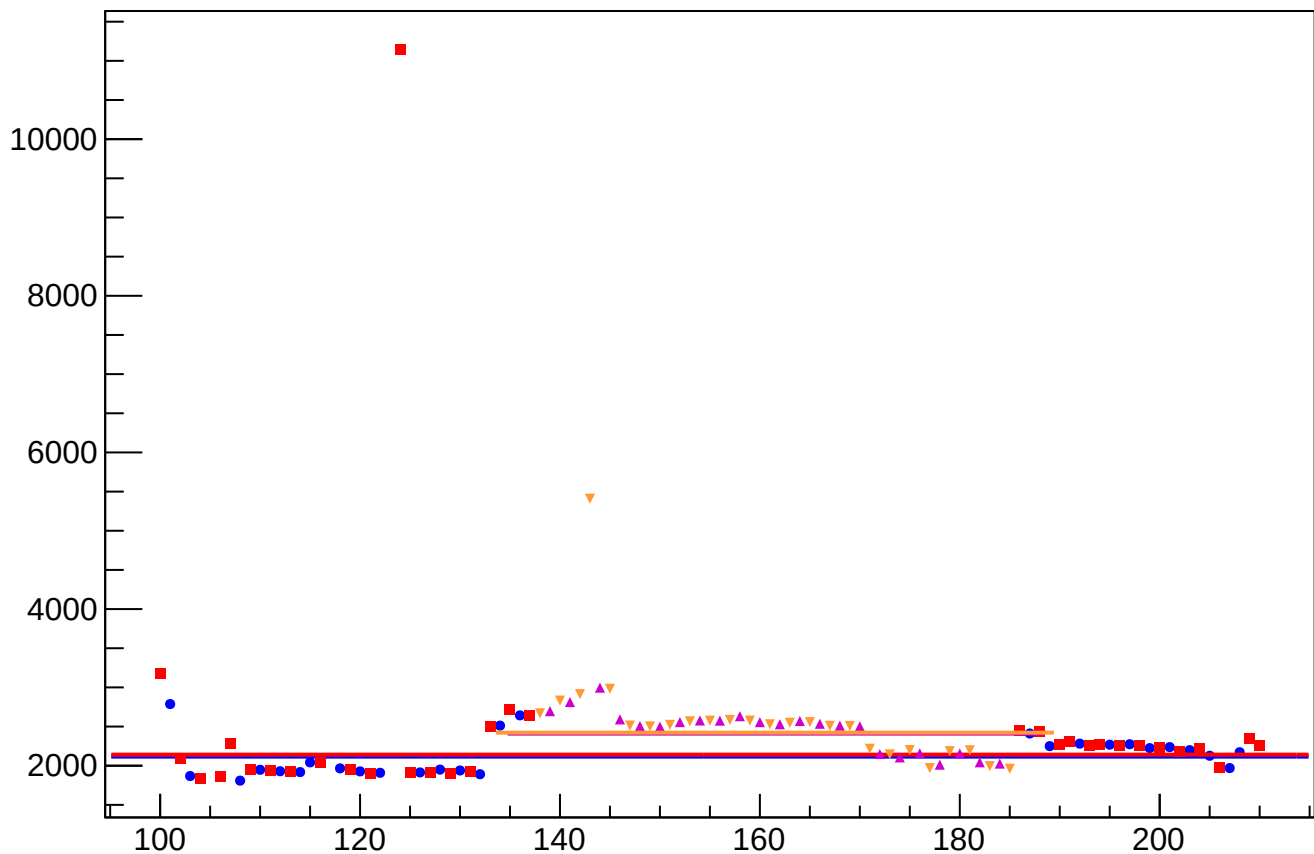
Left In: -2716.163 ± 566.202 χ^2/NDF : 14.3/22

+ sign 1422.193 ± 385.989 χ^2/NDF : 61.3/51

All: -613.517 ± 270.235 χ^2/NDF : 153.6/107

- sign -2570.621 ± 378.463 χ^2/NDF : 37.7/55

cor_asym_atl2_rms vs Slug



Right In: 2115.930 $\pm$ 0.378 χ^2 /NDF: 344007.2/26

Left Out: 2422.152 $\pm$ 0.394 χ^2 /NDF: 952857.9/24

Right Out: 2141.366 $\pm$ 0.360 χ^2 /NDF: 543948.6/32

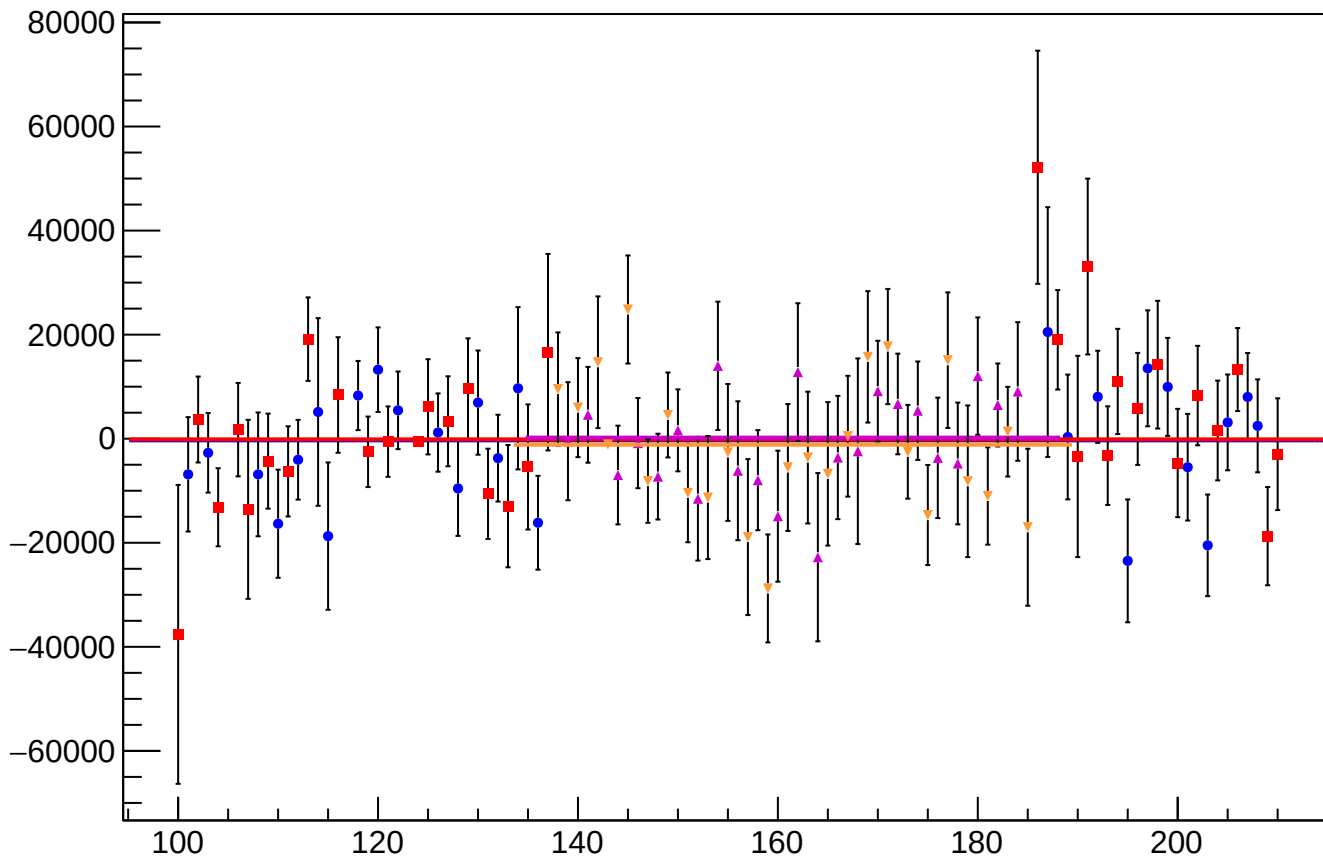
Left In: 2409.820 $\pm$ 0.400 χ^2 /NDF: 428364.2/22

+ sign 2262.816 $\pm$ 0.273 χ^2 /NDF: 1611042.7/51

All: 2262.048 $\pm$ 0.191 χ^2 /NDF: 2832094.4/10

- sign 2261.308 $\pm$ 0.268 χ^2 /NDF: 1221036.2/55

asym_atl2_cor_correction_mean vs Slug



Right In: -312.193 ± 1827.793 $\chi^2/\text{NDF}: 29.4/26$

Left Out: -1157.974 ± 757.732 $\chi^2/\text{NDF}: 31.9/24$

Right Out: -125.418 ± 741.737 $\chi^2/\text{NDF}: 42.4/32$

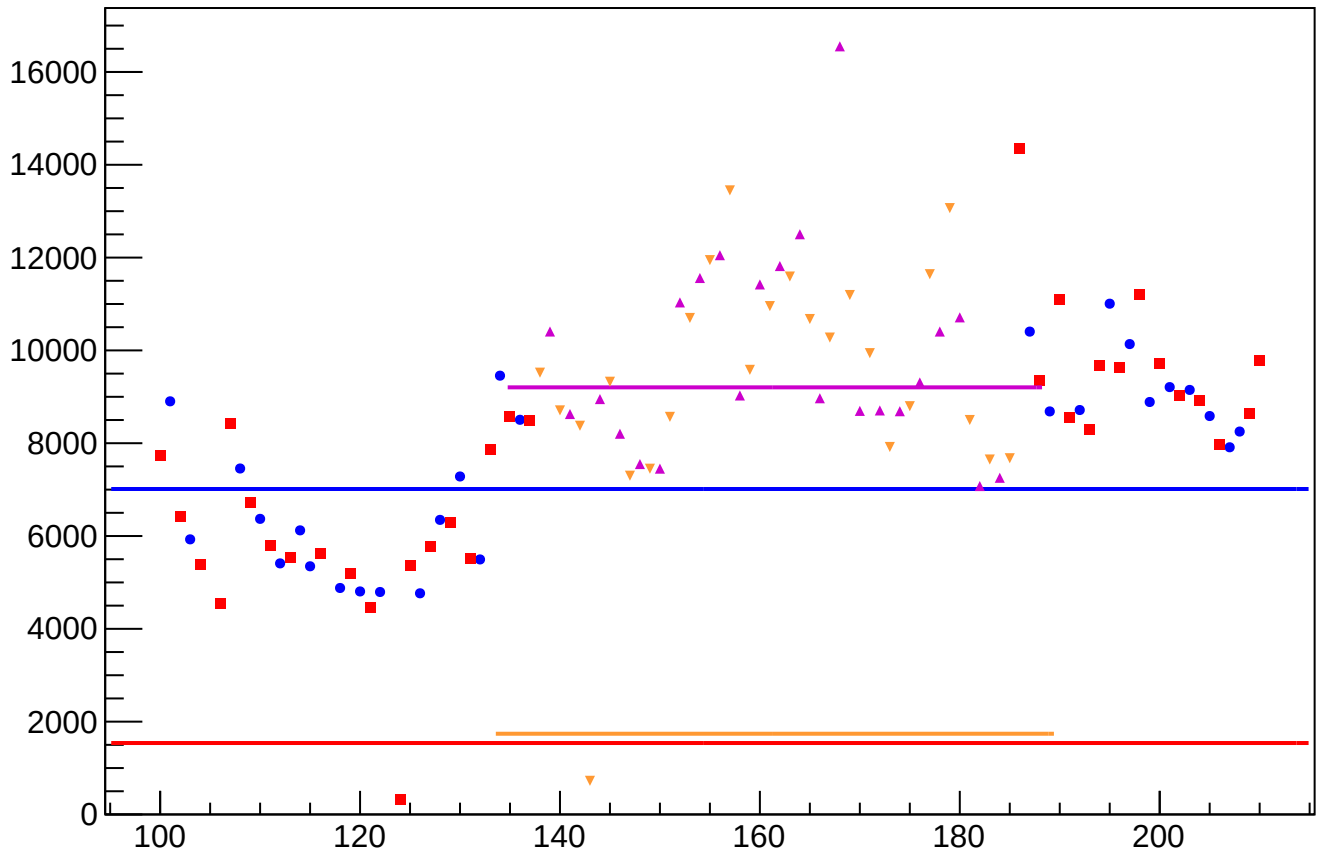
Left In: 209.500 ± 2195.055 $\chi^2/\text{NDF}: 13.4/22$

+ sign -1033.935 ± 699.967 $\chi^2/\text{NDF}: 61.6/51$

All: -564.353 ± 495.916 $\chi^2/\text{NDF}: 118.3/107$

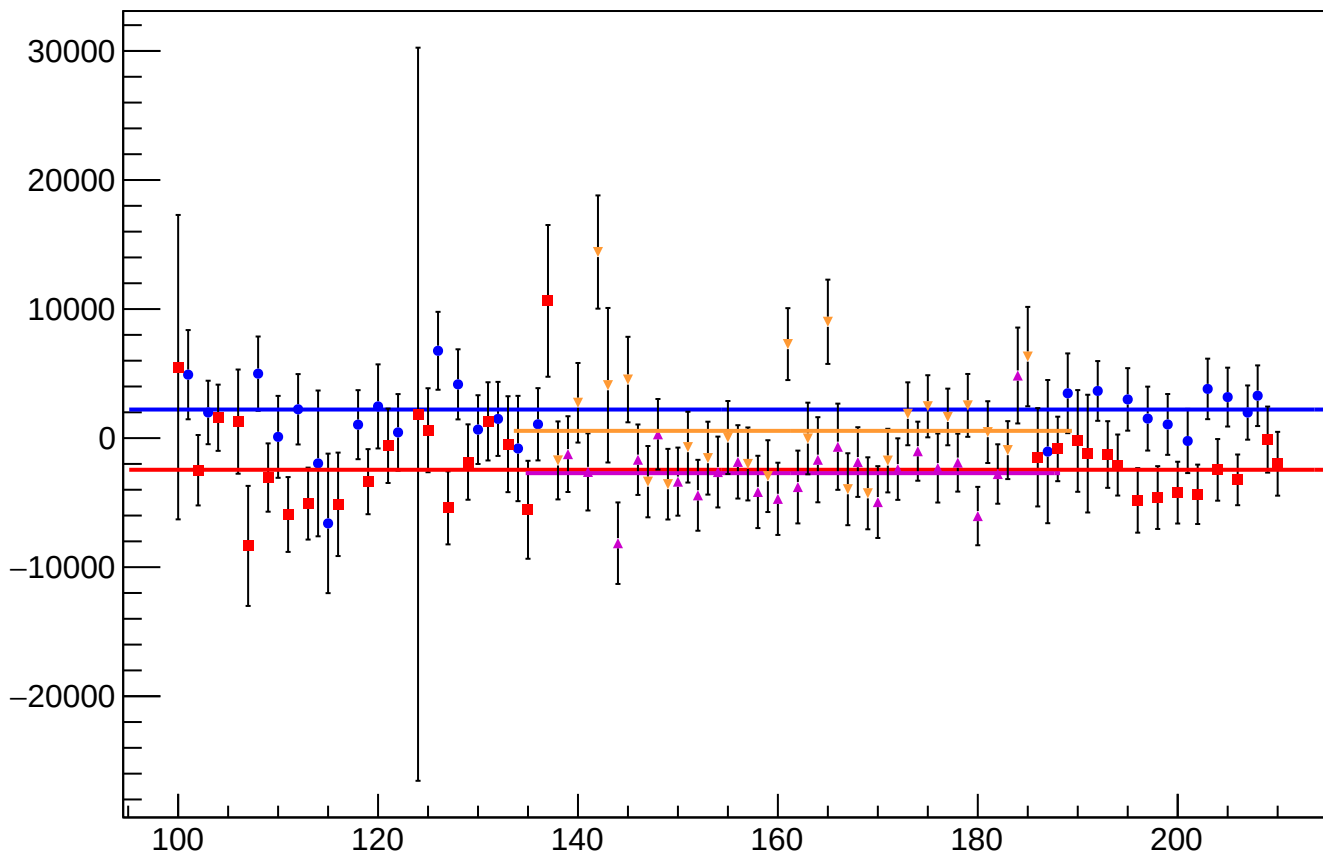
- sign -91.094 ± 702.702 $\chi^2/\text{NDF}: 55.8/55$

asym_atl2_cor_correction_rms vs Slug



Right In: 7013.327+/-1.292	χ^2/NDF : 2045772.5/26	+ sign 2512.905+/-0.495	χ^2/NDF : 43989705.0/51
Left Out: 1739.457+/-0.536	χ^2/NDF : 27735092.1/24	All: 2419.270+/-0.351	χ^2/NDF : 94439061.3/1
Right Out: 1539.443+/-0.524	χ^2/NDF : 27221407.2/32	- sign 2324.902+/-0.497	χ^2/NDF : 50377498.1/55
Left In: 9203.744+/-1.552	χ^2/NDF : 1272079.0/22		

eigen_cor_asym_atl2_mean vs Slug



Right In: 2214.819 ± 535.103 χ^2/NDF : 12.8/26

Left Out: 562.392 ± 557.316 χ^2/NDF : 43.9/24

Right Out: -2453.076 ± 508.838 χ^2/NDF : 23.3/32

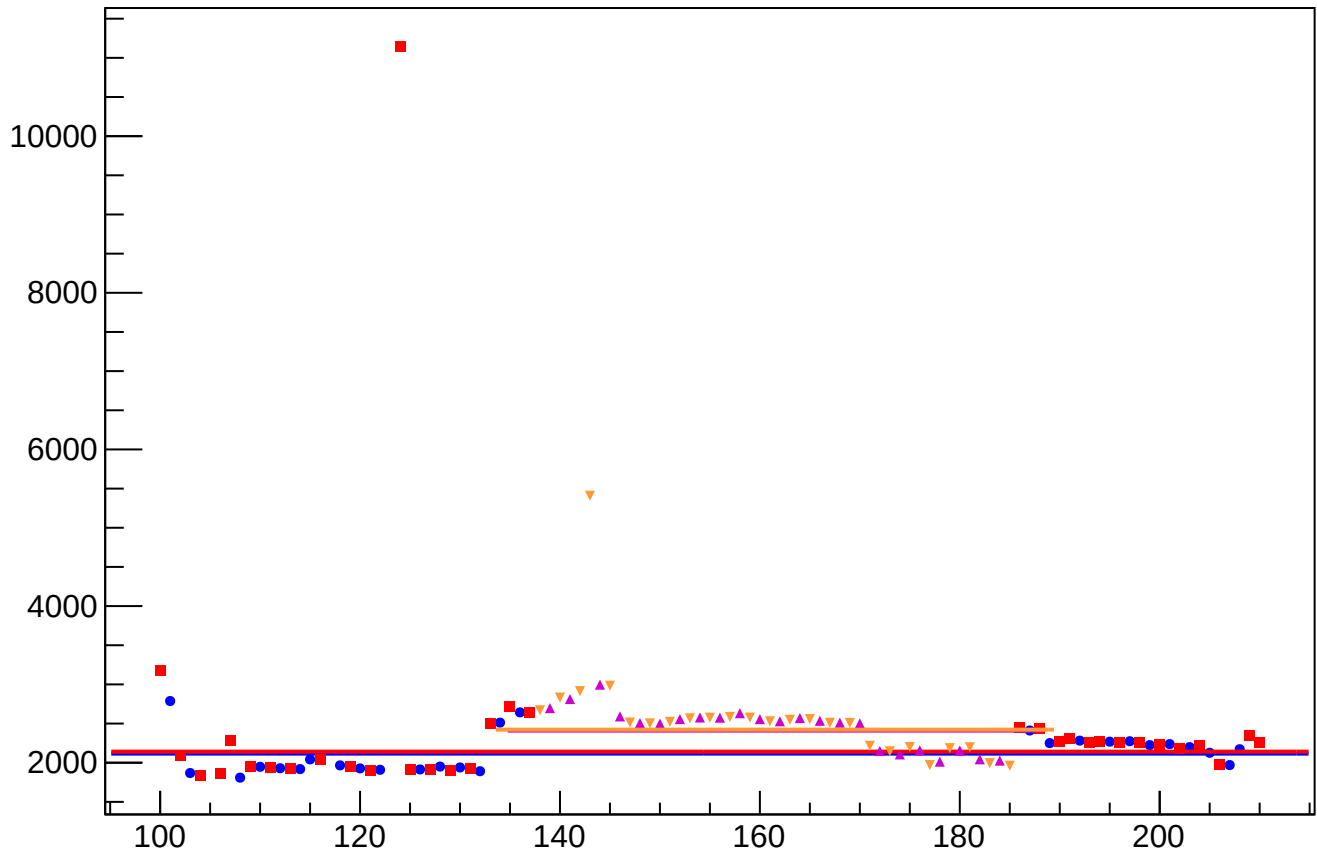
Left In: -2716.163 ± 566.202 χ^2/NDF : 14.3/22

+ sign 1422.193 ± 385.989 χ^2/NDF : 61.3/51

All: -613.517 ± 270.235 χ^2/NDF : 153.6/107

- sign -2570.621 ± 378.463 χ^2/NDF : 37.7/55

eigen_cor_asym_atl2_rms vs Slug



Right In: 2115.930+/-0.378 χ^2/NDF : 344007.2/26

Left Out: 2422.152+/-0.394 χ^2/NDF : 952857.9/24

Right Out: 2141.366+/-0.360 χ^2/NDF : 543948.6/32

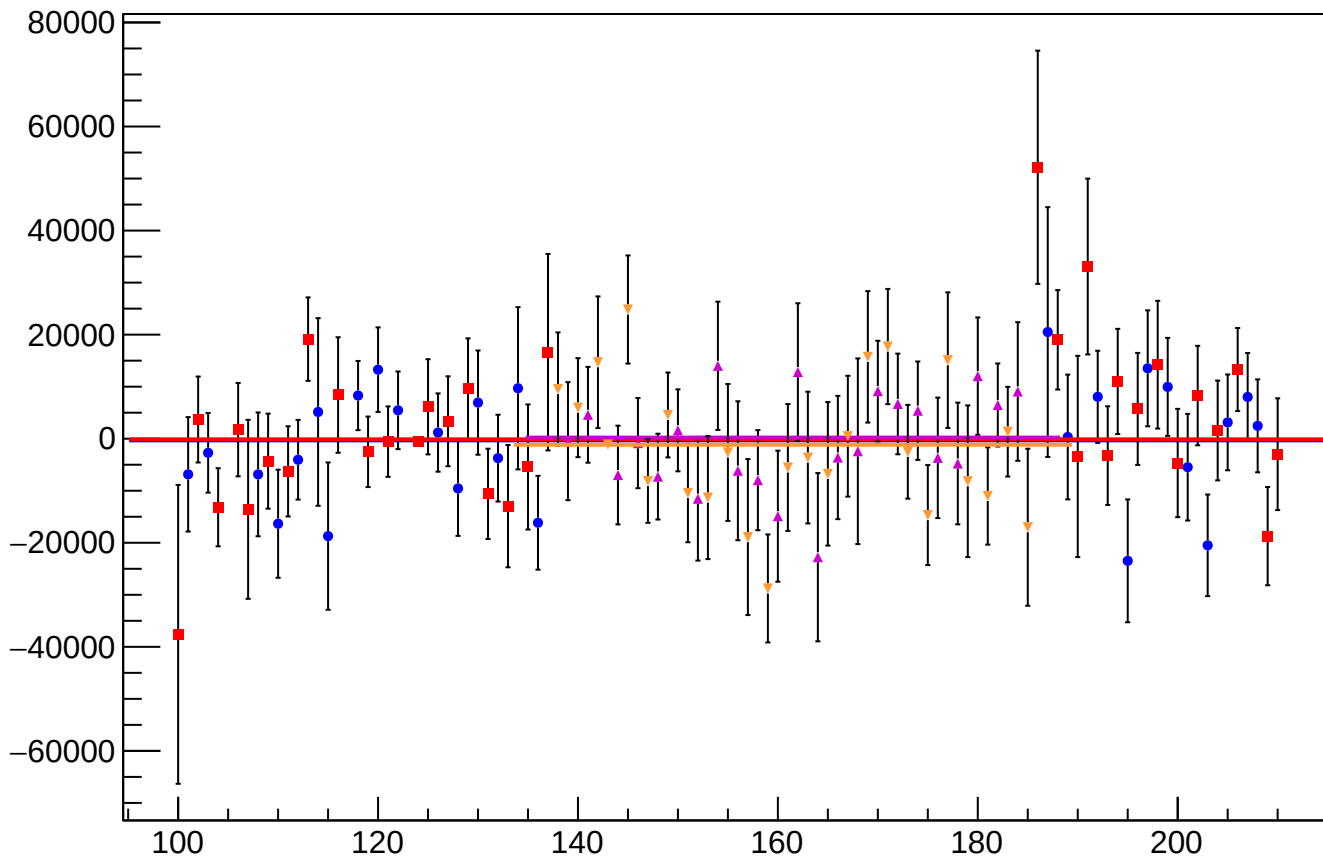
Left In: 2409.820+/-0.400 χ^2/NDF : 428364.2/22

+ sign 2262.816+/-0.273 χ^2/NDF : 1611042.7/51

All: 2262.048+/-0.191 χ^2/NDF : 2832094.4/10

- sign 2261.308+/-0.268 χ^2/NDF : 1221036.2/55

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -312.193 ± 1827.793 $\chi^2/\text{NDF}: 29.4/26$

Left Out: -1157.974 ± 757.732 $\chi^2/\text{NDF}: 31.9/24$

Right Out: -125.418 ± 741.737 $\chi^2/\text{NDF}: 42.4/32$

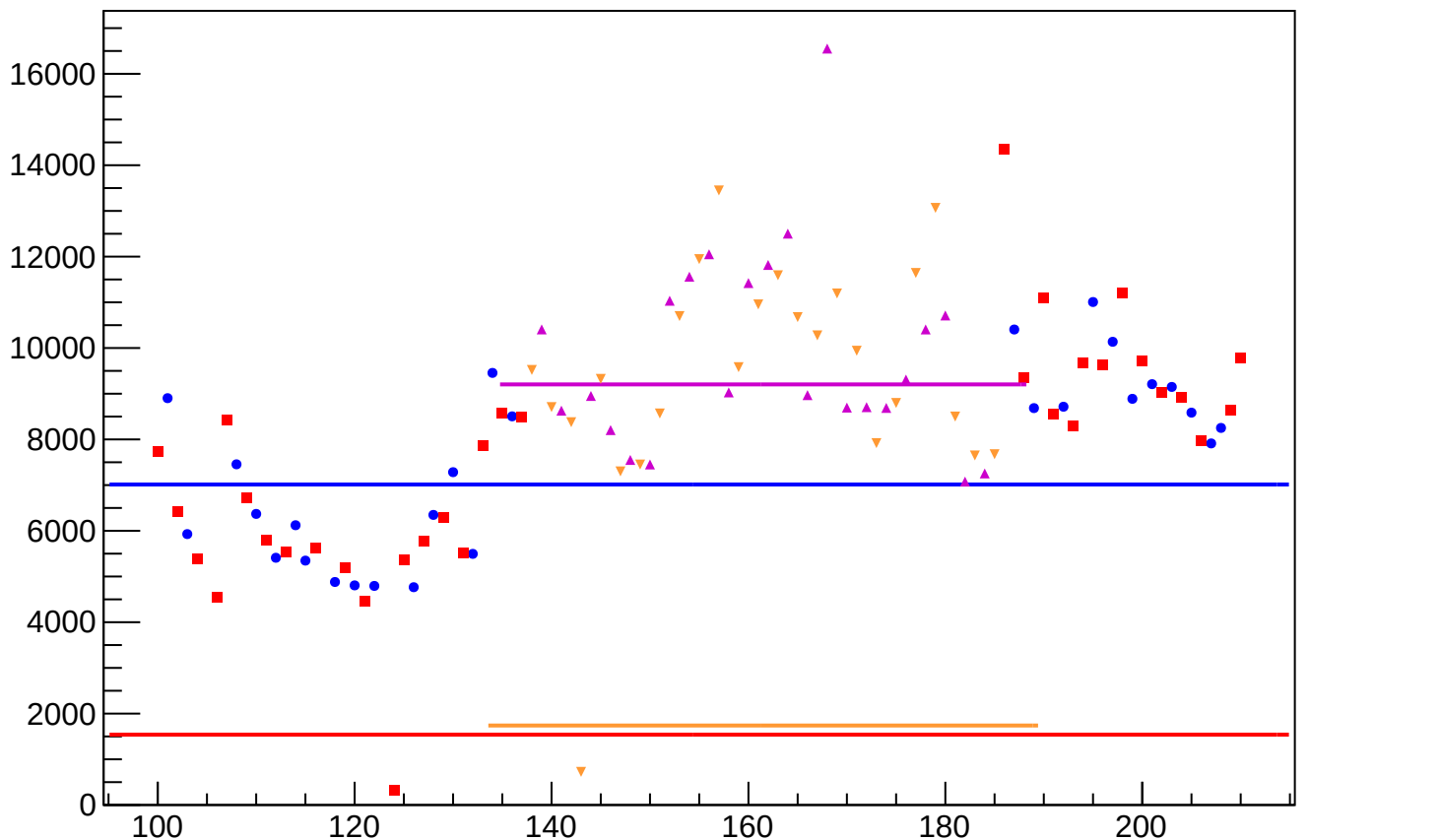
Left In: 209.500 ± 2195.055 $\chi^2/\text{NDF}: 13.4/22$

+ sign -1033.935 ± 699.967 $\chi^2/\text{NDF}: 61.6/51$

All: -564.353 ± 495.916 $\chi^2/\text{NDF}: 118.3/107$

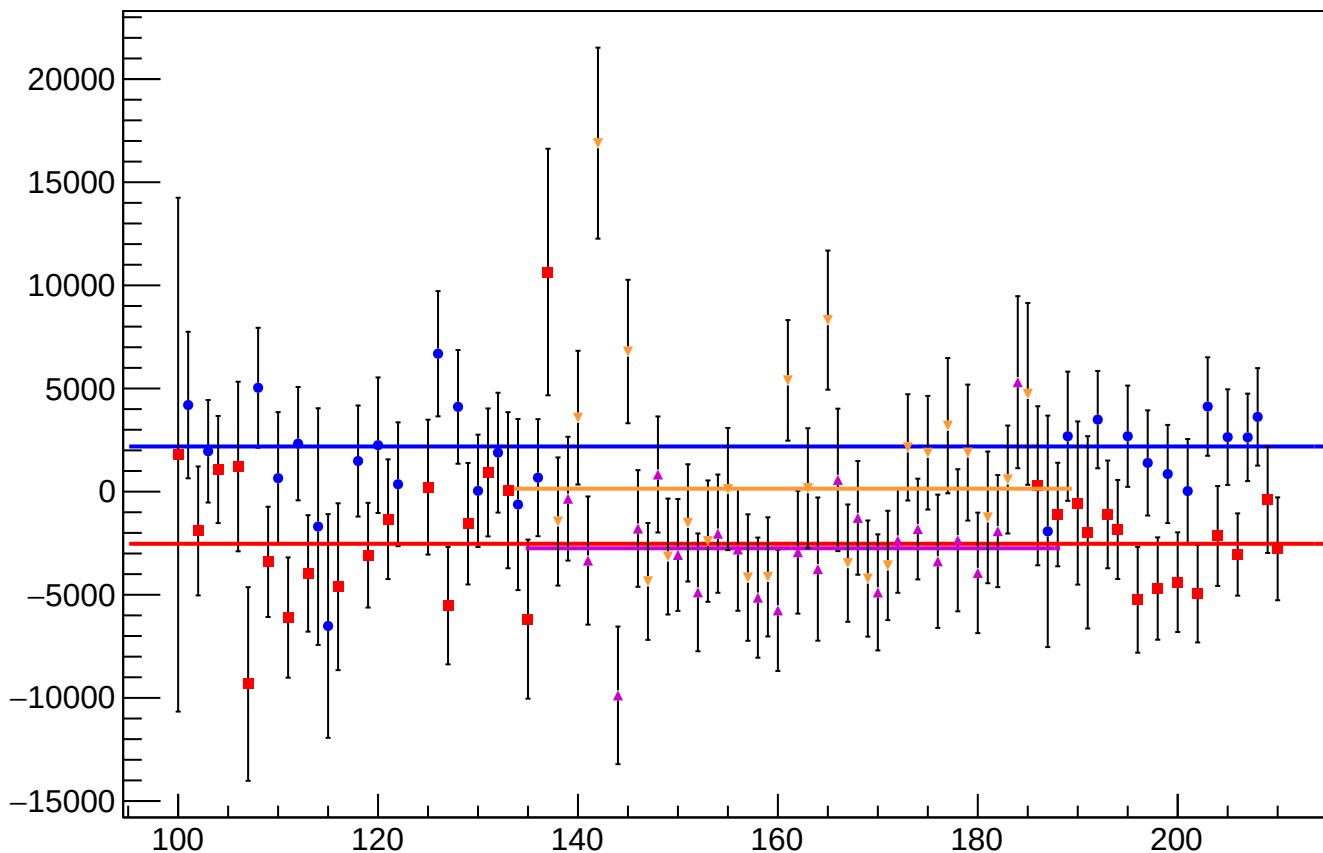
- sign -91.094 ± 702.702 $\chi^2/\text{NDF}: 55.8/55$

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 7013.327+/-1.292	χ^2/NDF : 2045772.5/26	+ sign 2512.905+/-0.495	χ^2/NDF : 43989705.0/51
Left Out: 1739.457+/-0.536	χ^2/NDF : 27735092.1/24	All: 2419.270+/-0.351	χ^2/NDF : 94439061.3/1
Right Out: 1539.443+/-0.524	χ^2/NDF : 27221407.2/32	- sign 2324.902+/-0.497	χ^2/NDF : 50377498.1/55
Left In: 9203.744+/-1.552	χ^2/NDF : 1272079.0/22		

dit_asym_atl2_mean vs Slug



Right In: 2189.364 $\pm$ 542.248 χ^2 /NDF: 12.2/26

Left Out: 142.497 $\pm$ 615.731 χ^2 /NDF:45.8/23

Right Out: -2527.725 $\pm$ 517.397 χ^2 /NDF: 22.6/31

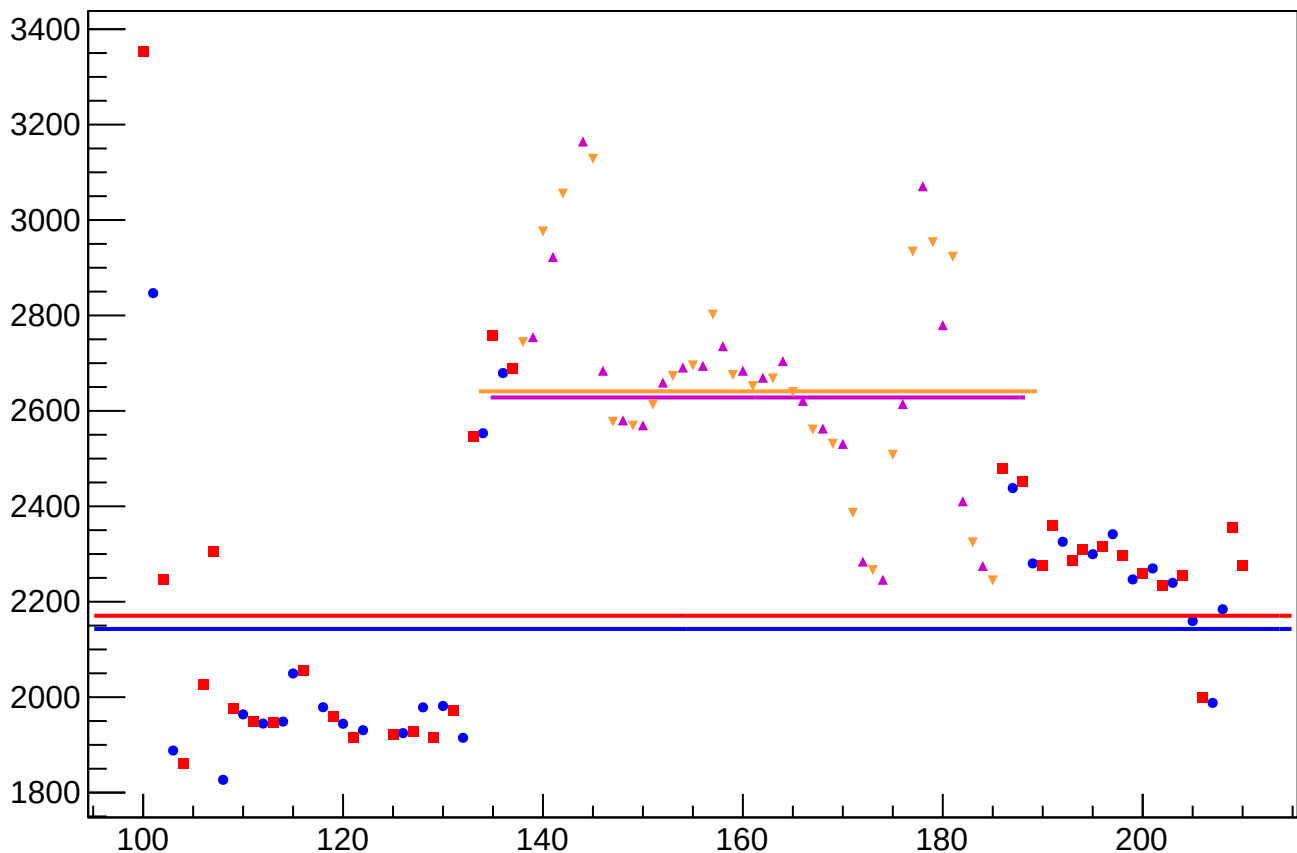
Left In: -2745.982 $\pm$ 616.123 χ^2 /NDF:15.4/22

+ sign 1295.299 $\pm$ 406.940 χ^2 /NDF: 64.3/50

All: -713.569 $\pm$ 283.884 χ^2 /NDF: 149.8/105

- sign -2617.987 $\pm$ 396.220 χ^2 /NDF: 38.1/54

dit_asym_atl2_rms vs Slug



Right In: 2142.936+/-0.383 χ^2/NDF : 360453.1/26

Left Out: 2640.990+/-0.435 χ^2/NDF : 253402.6/23

Right Out: 2170.673+/-0.366 χ^2/NDF : 348125.7/31

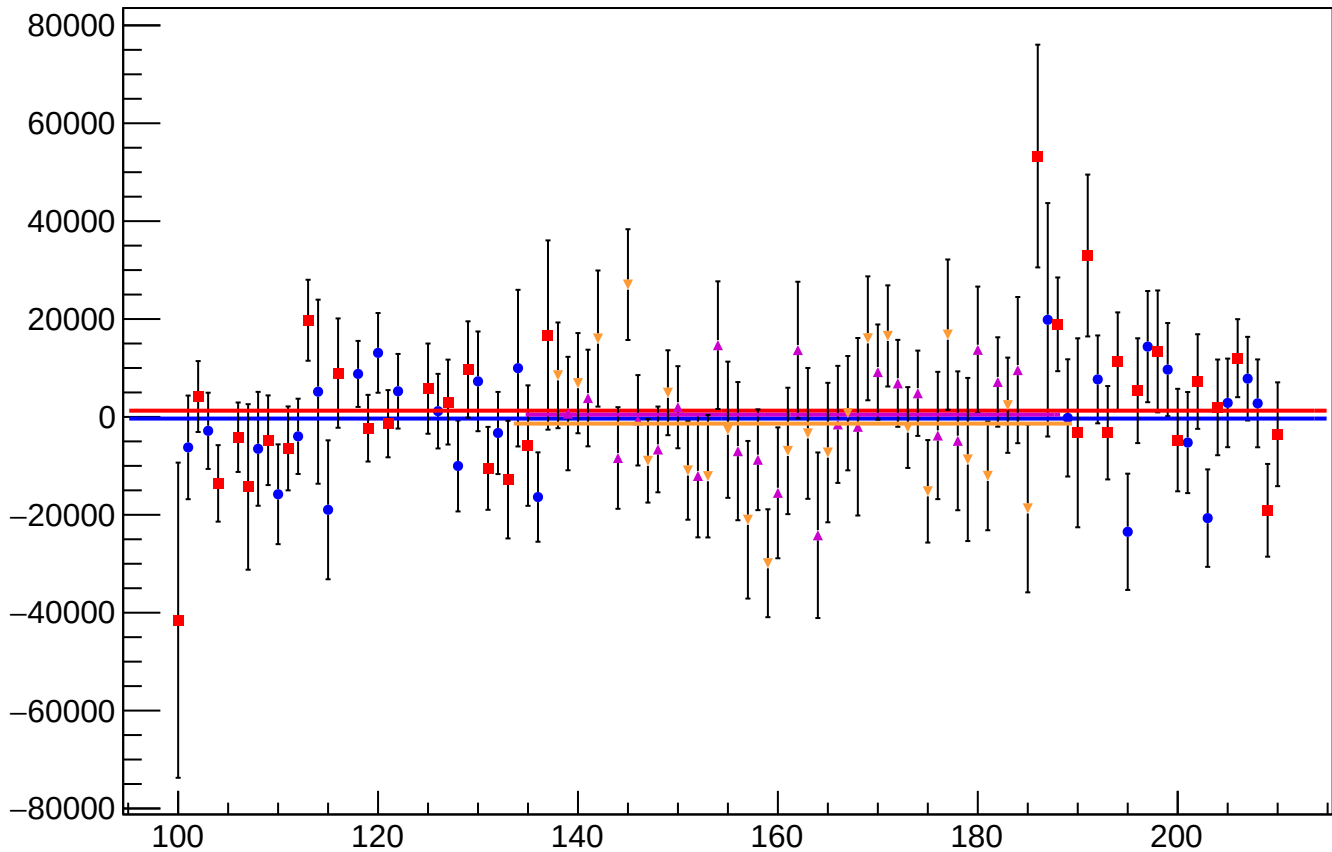
Left In: 2628.113+/-0.436 χ^2/NDF : 237507.6/22

+ sign 2360.484+/-0.288 χ^2/NDF : 1350854.3/50

All: 2360.082+/-0.201 χ^2/NDF : 2583384.5/10

- sign 2359.701+/-0.280 χ^2/NDF : 1232526.3/54

asym_atl2_dit_correction_mean vs Slug



Right In: -335.857 ± 1842.049 $\chi^2/\text{NDF}: 29.1/26$

Left Out: -1366.840 ± 2326.289 $\chi^2/\text{NDF}: 31.3/23$

Right Out: 1278.405 ± 1721.454 $\chi^2/\text{NDF}: 41.4/31$

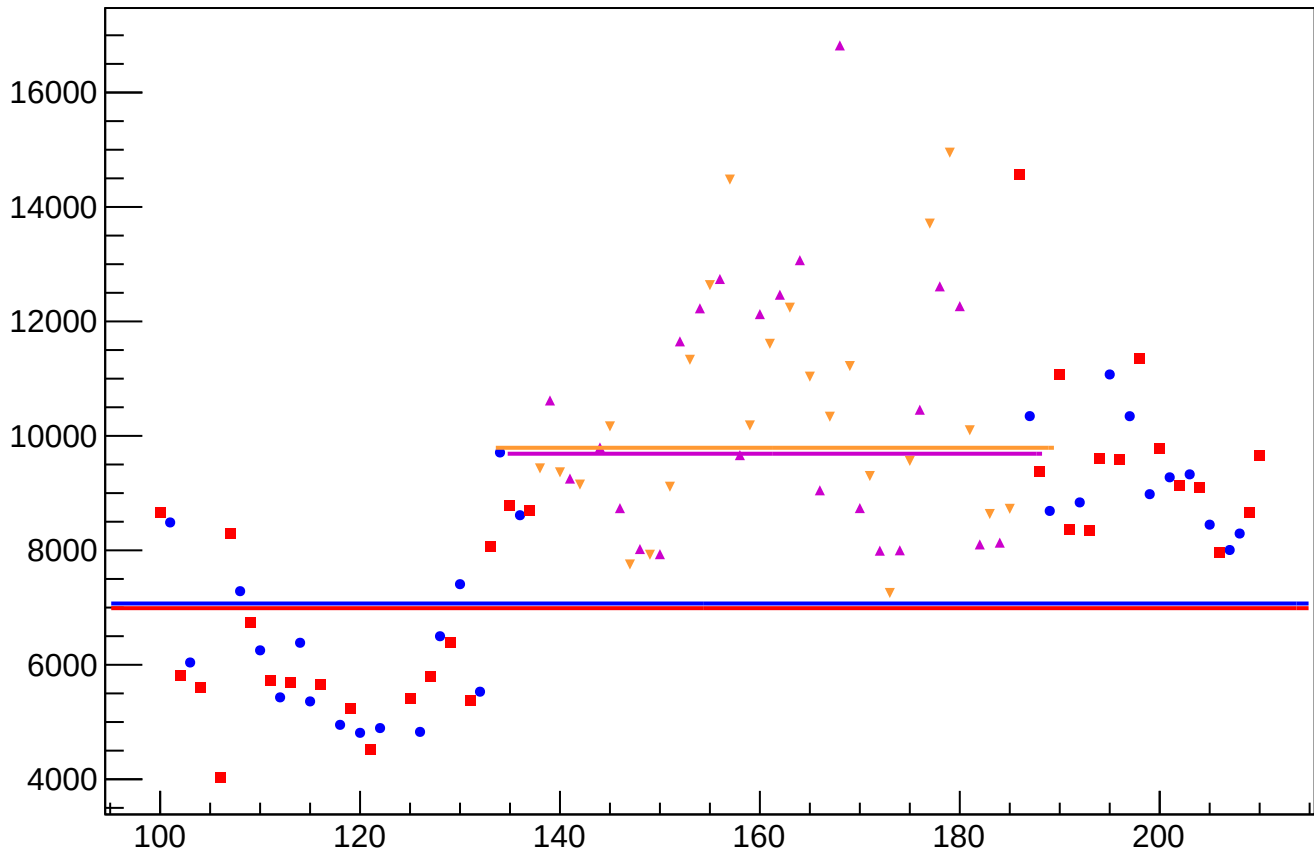
Left In: 463.775 ± 2314.478 $\chi^2/\text{NDF}: 13.1/22$

+ sign -733.173 ± 1444.129 $\chi^2/\text{NDF}: 60.4/50$

All: 165.816 ± 998.191 $\chi^2/\text{NDF}: 115.7/105$

- sign 988.259 ± 1381.279 $\chi^2/\text{NDF}: 54.6/54$

asym_atl2_dit_correction_rms vs Slug



Right In: 7071.039+/-1.303 χ^2/NDF : 2010395.4/26

Left Out: 9792.234+/-1.645 χ^2/NDF : 1219062.5/23

Right Out: 6989.304+/-1.217 χ^2/NDF : 2785243.8/31

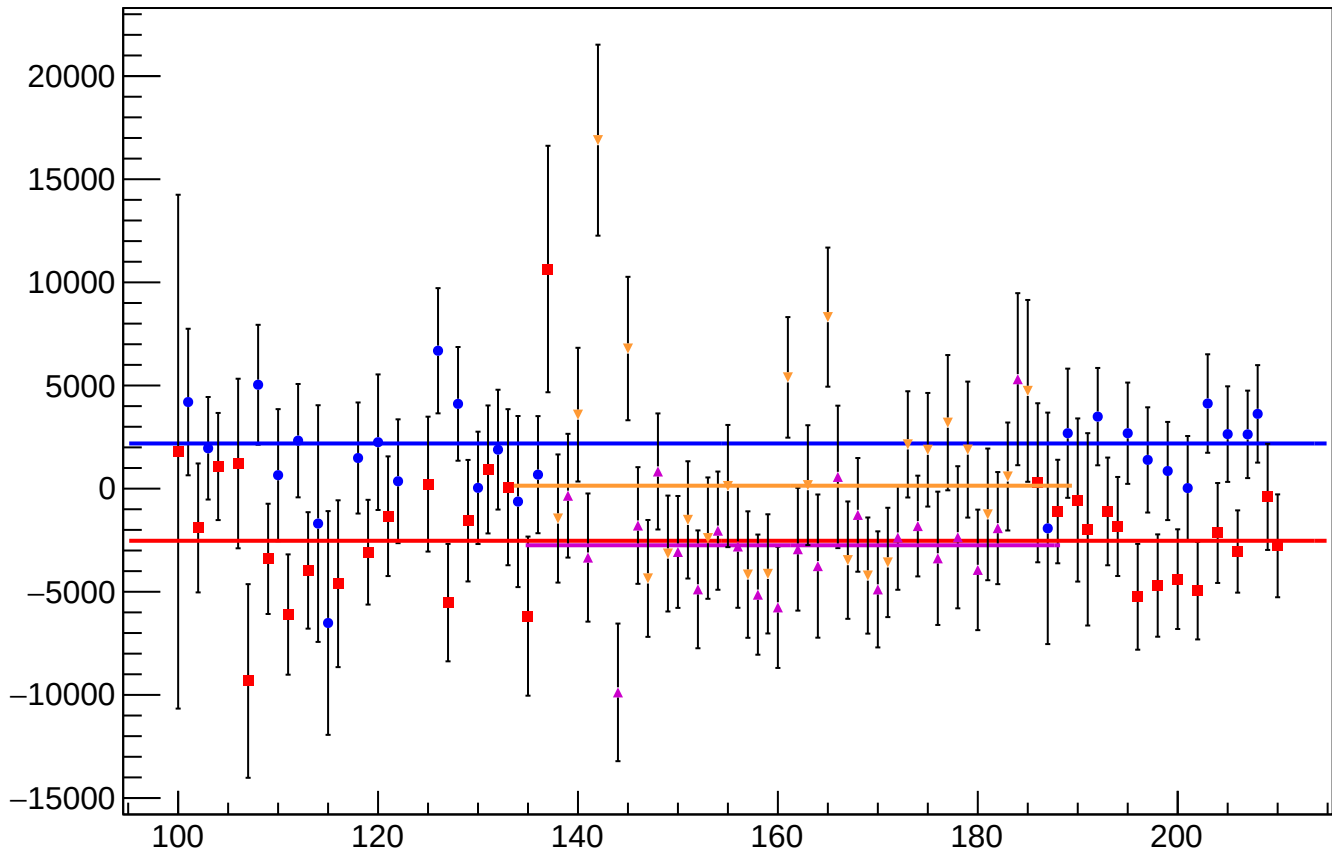
Left In: 9688.179+/-1.637 χ^2/NDF : 1378173.6/22

+ sign 8119.722+/-1.021 χ^2/NDF : 4911478.1/50

All: 8031.380+/-0.706 χ^2/NDF : 10840126.0/100

- sign 7950.560+/-0.977 χ^2/NDF : 5914316.5/54

eigen_dit_asym_atl2_mean vs Slug



Right In: 2189.366 $\pm$ 542.248 χ^2 /NDF: 12.2/26

Left Out: 142.487 $\pm$ 615.732 χ^2 /NDF:45.8/23

Right Out: -2527.722 $\pm$ 517.397 χ^2 /NDF: 22.6/31

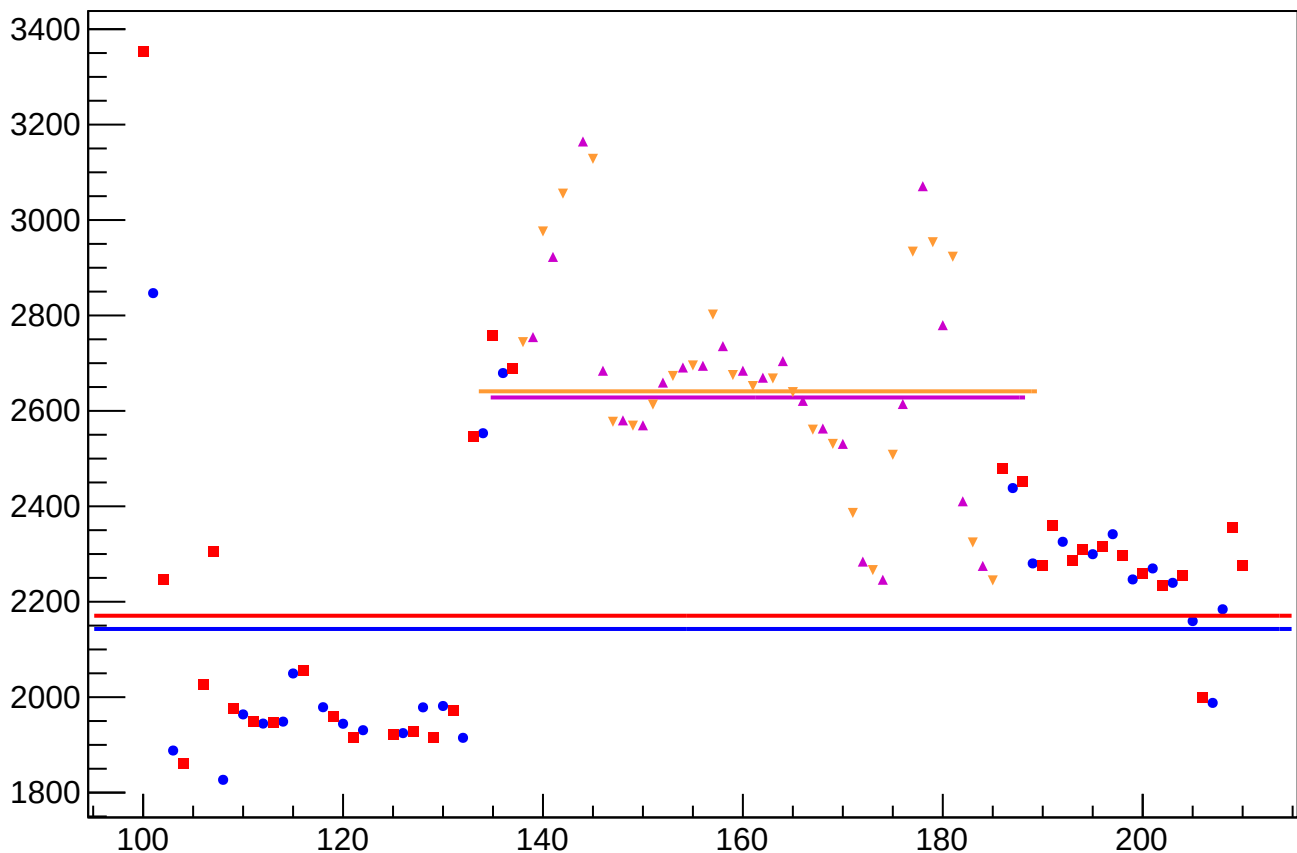
Left In: -2745.980 $\pm$ 616.124 χ^2 /NDF:15.4/22

+ sign 1295.297 $\pm$ 406.940 χ^2 /NDF: 64.3/50

All: -713.568 $\pm$ 283.884 χ^2 /NDF: 149.8/105

- sign -2617.984 $\pm$ 396.220 χ^2 /NDF: 38.1/54

eigen_dit_asym_atl2_rms vs Slug



Right In: 2142.936 $\pm$ 0.383 χ^2 /NDF: 360453.0/26

Left Out: 2640.993 $\pm$ 0.435 χ^2 /NDF: 253411.8/23

Right Out: 2170.673 $\pm$ 0.366 χ^2 /NDF: 348126.3/31

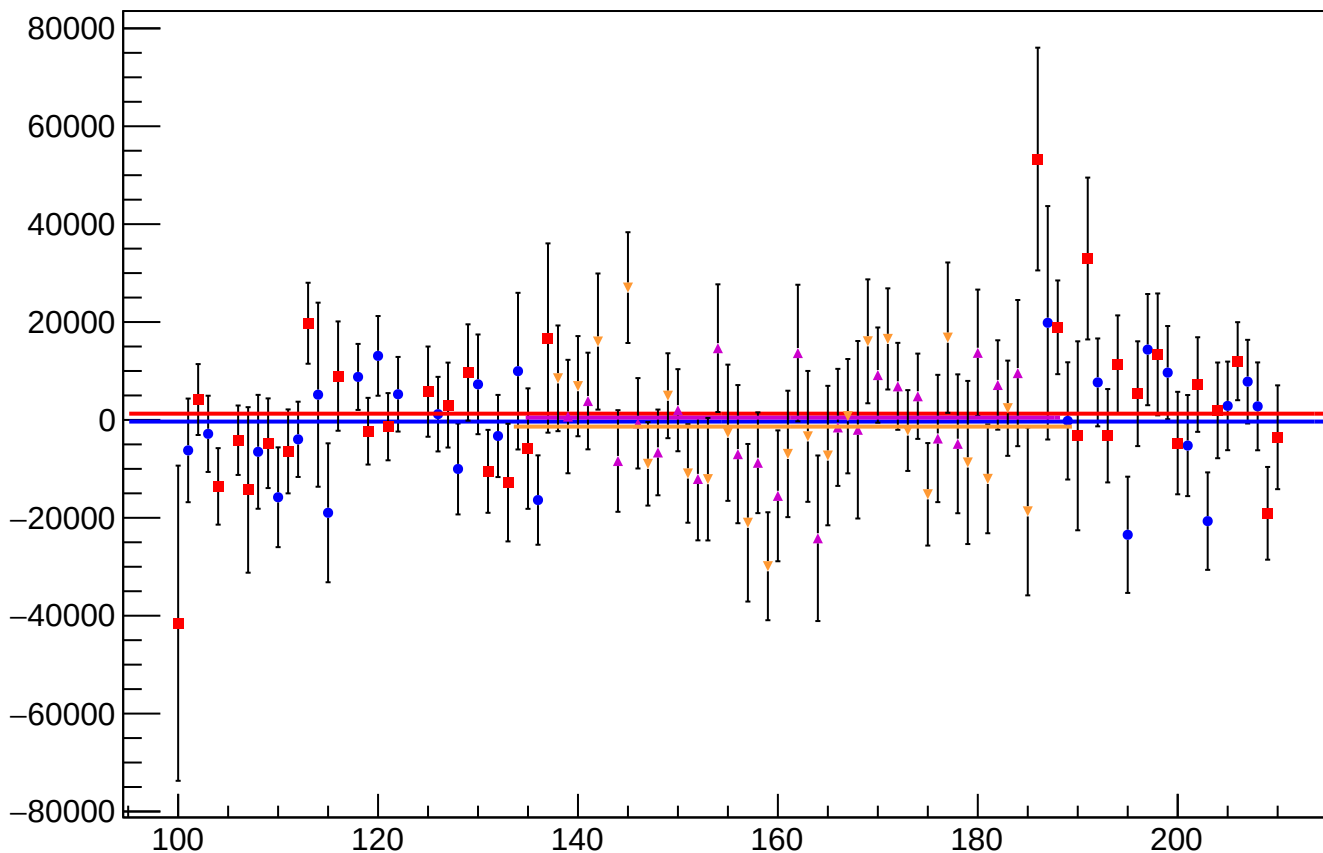
Left In: 2628.116 $\pm$ 0.436 χ^2 /NDF: 237516.8/22

+ sign 2360.485 $\pm$ 0.288 χ^2 /NDF: 1350868.8/50

All: 2360.083 $\pm$ 0.201 χ^2 /NDF: 2583414.5/10

- sign 2359.701 $\pm$ 0.280 χ^2 /NDF: 1232541.9/54

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -335.851 ± 1842.047 χ^2/NDF : 29.1/26

Left Out: -1366.849 ± 2326.293 χ^2/NDF : 31.3/23

Right Out: 1278.393 ± 1721.452 χ^2/NDF : 41.4/31

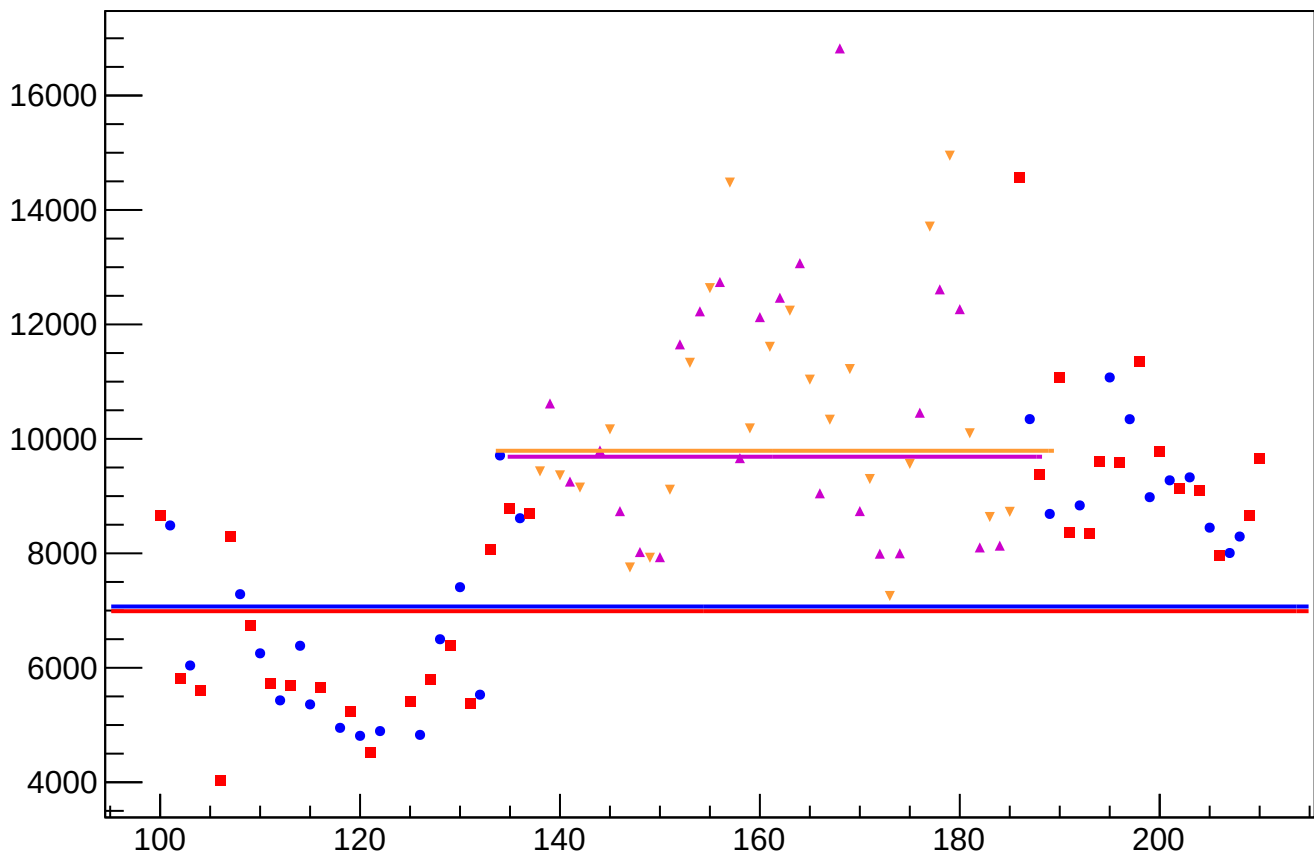
Left In: 463.777 ± 2314.482 χ^2/NDF : 13.1/22

+ sign -733.172 ± 1444.129 χ^2/NDF : 60.4/50

All: 165.814 ± 998.191 χ^2/NDF : 115.7/105

- sign 988.253 ± 1381.279 χ^2/NDF : 54.6/54

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 7071.027+/-1.303 χ^2/NDF : 2010434.3/26

Left Out: 9792.251+/-1.645 χ^2/NDF :1219062.8/23

Right Out: 6989.291+/-1.217 χ^2/NDF : 2785280.6/31

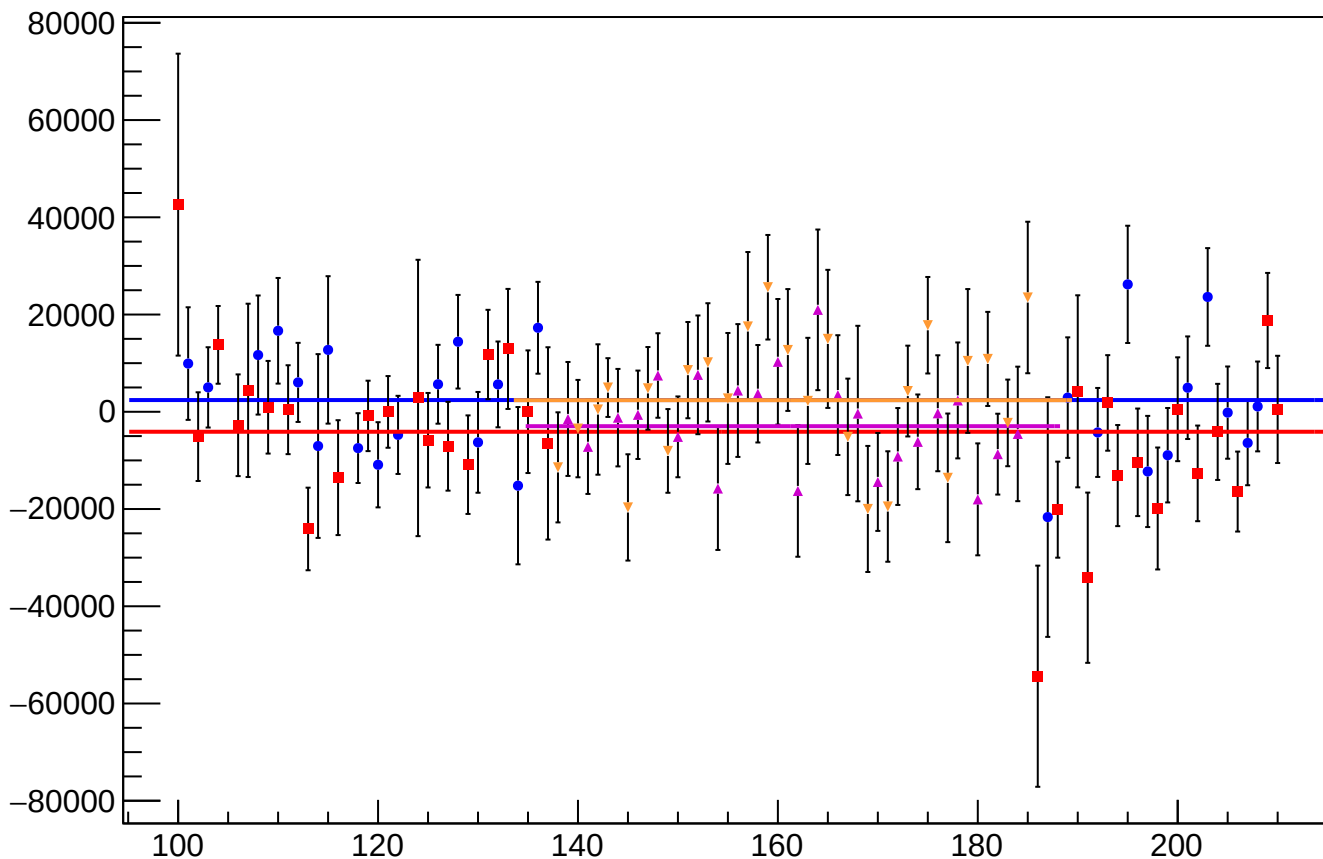
Left In: 9688.194+/-1.637 χ^2/NDF :1378175.1/22

+ sign 8119.718+/-1.021 χ^2/NDF : 4911551.5/50

All: 8031.375+/-0.706 χ^2/NDF : 10840271.7/100

- sign 7950.554+/-0.977 χ^2/NDF : 5914388.6/54

asym_atl2_mean vs Slug



Right In: 2411.679+/-1921.667 χ^2/NDF : 29.0/26

Left Out: 2387.857+/-2136.530 χ^2/NDF : 29.7/24

Right Out: -4105.760+/-1831.177 χ^2/NDF : 42.9/32

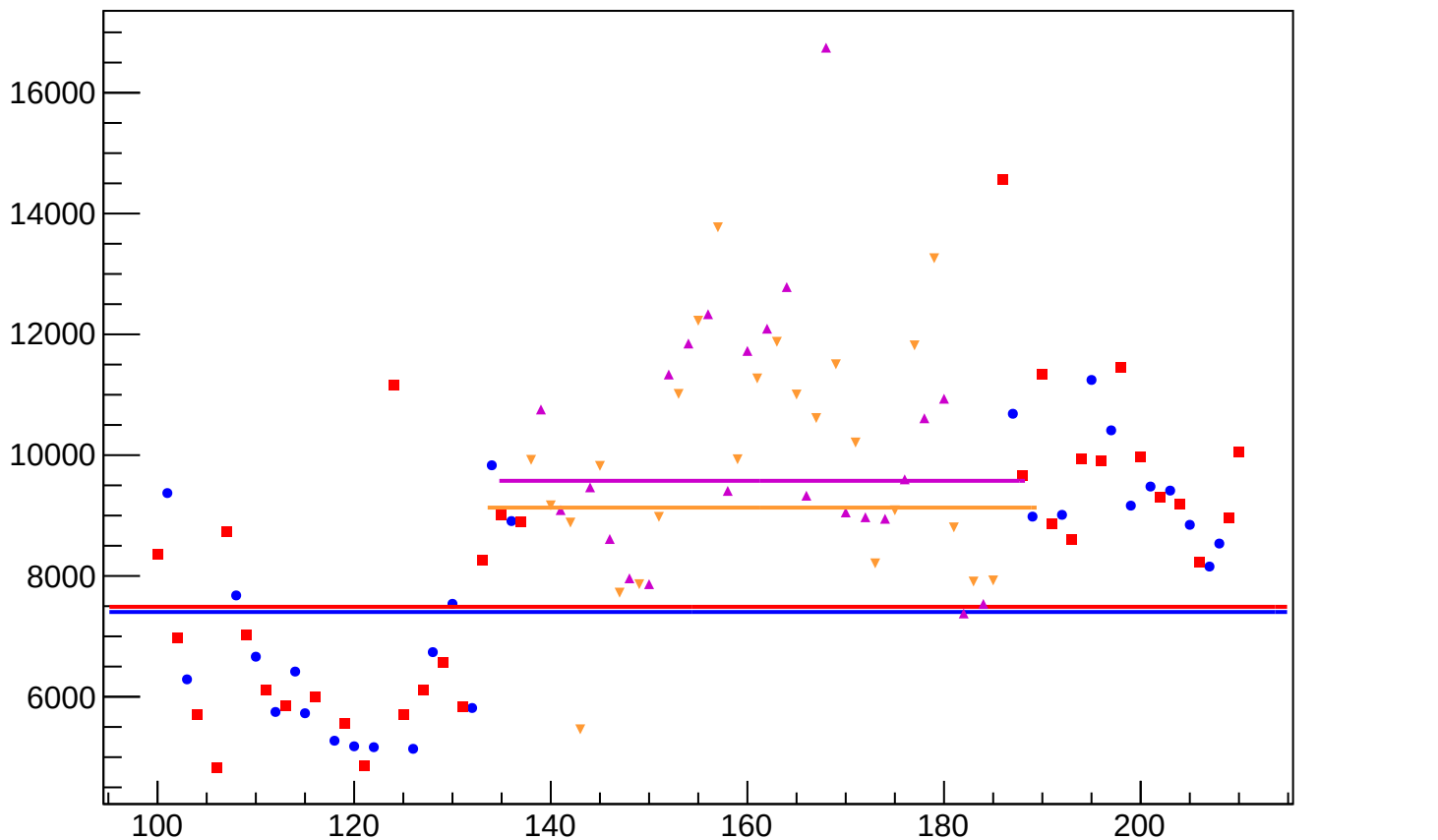
Left In: -2963.537+/-2278.927 χ^2/NDF : 13.0/22

+ sign 2401.026+/-1428.766 χ^2/NDF : 58.7/51

All: -631.088+/-1009.825 χ^2/NDF : 123.7/107

- sign -3657.622+/-1427.451 χ^2/NDF : 56.0/55

asym_atl2_rms vs Slug



Right In: 7403.305+/-1.359 χ^2/NDF : 1790130.6/26

Left Out: 9131.714+/-1.511 χ^2/NDF : 1811661.2/24

Right Out: 7489.347+/-1.295 χ^2/NDF : 2290005.5/32

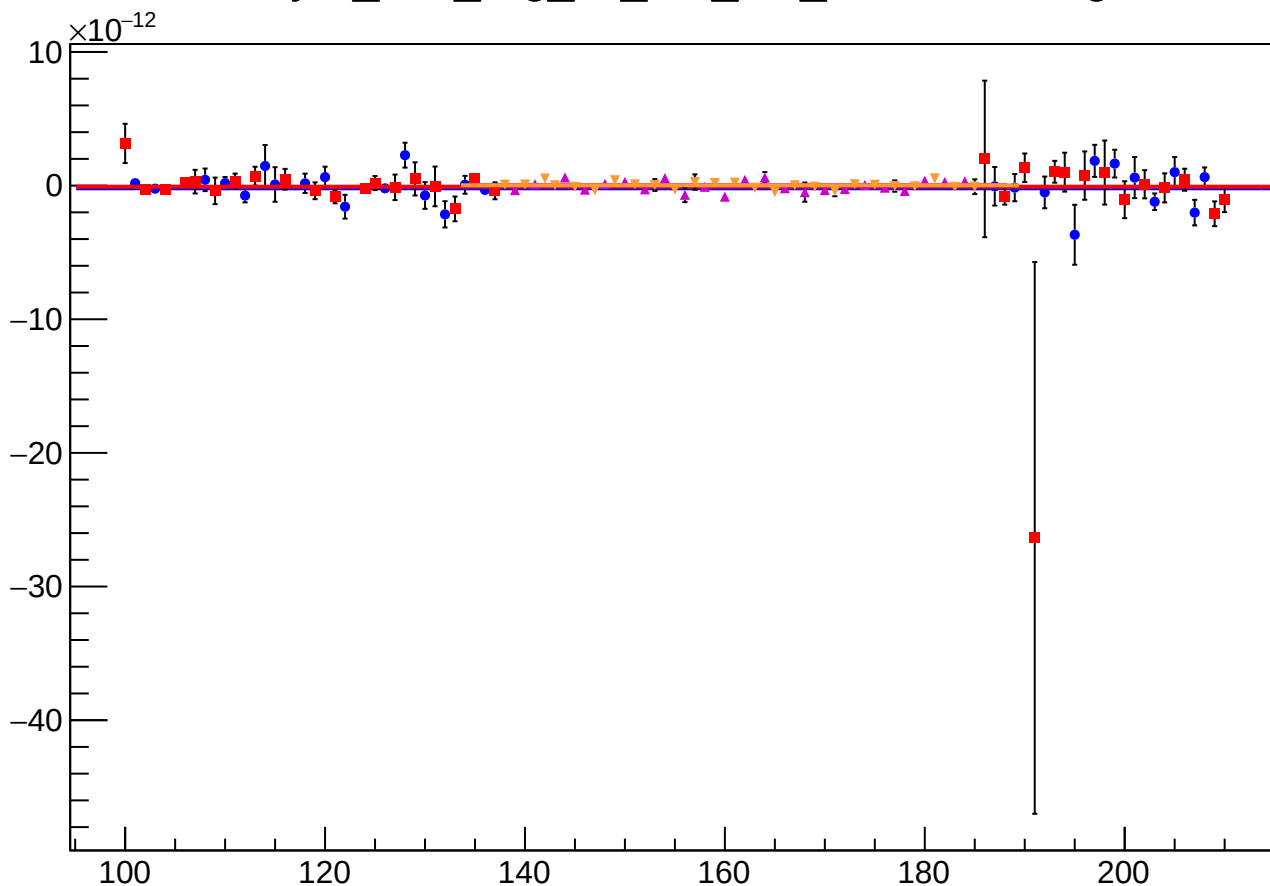
Left In: 9575.233+/-1.611 χ^2/NDF : 1153802.3/22

+ sign 8176.253+/-1.010 χ^2/NDF : 4325346.7/51

All: 8242.047+/-0.714 χ^2/NDF : 8795780.0/10

- sign 8307.720+/-1.009 χ^2/NDF : 4461959.0/55

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 38.5/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 17.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 35.3/32

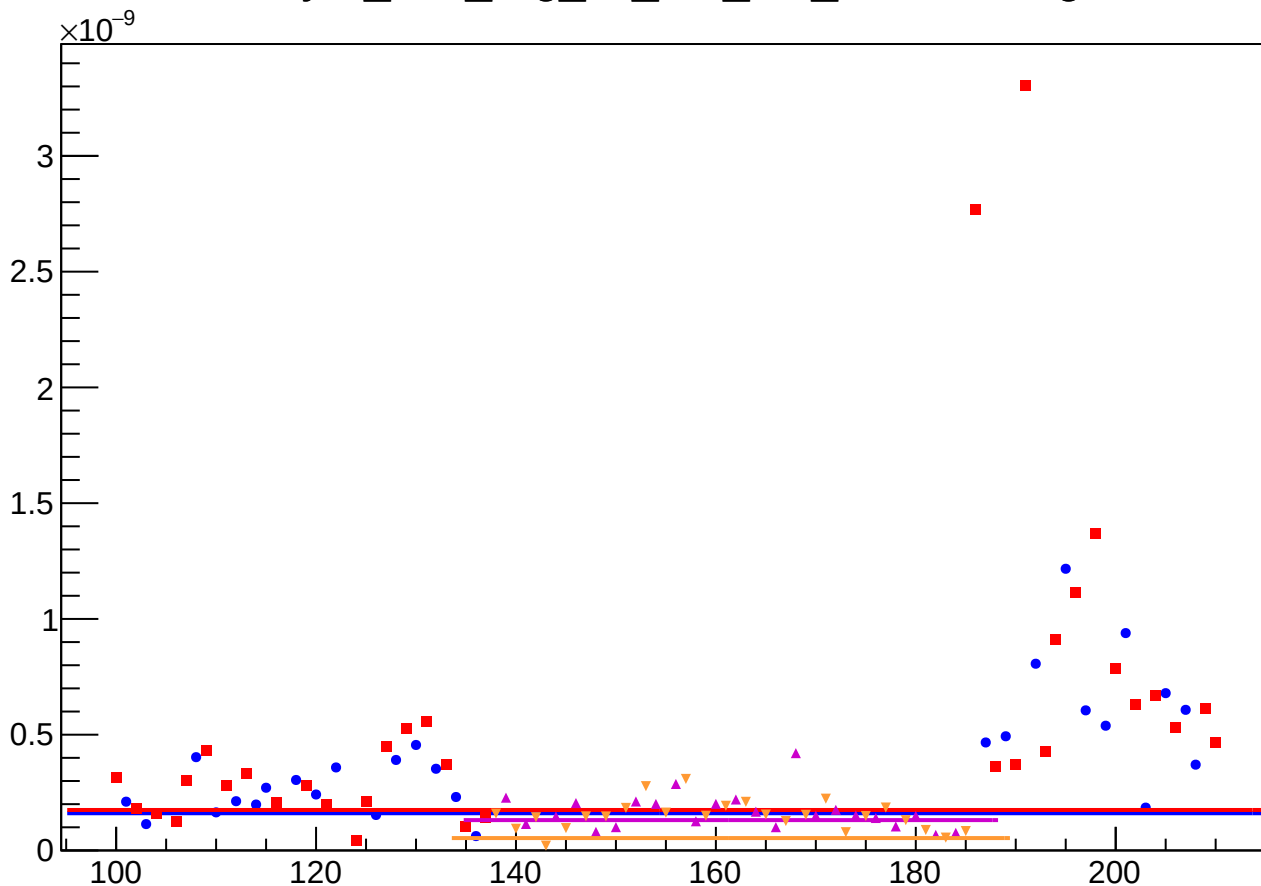
Left In: 0.000 ± 0.000 χ^2/NDF : 36.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 62.0/51

All: 0.000 ± 0.000 χ^2/NDF : 135.7/107

- sign 0.000 ± 0.000 χ^2/NDF : 73.6/55

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5364148.1/26

Left Out: 0.000+/-0.000 χ^2/NDF : 7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7287542.0/32

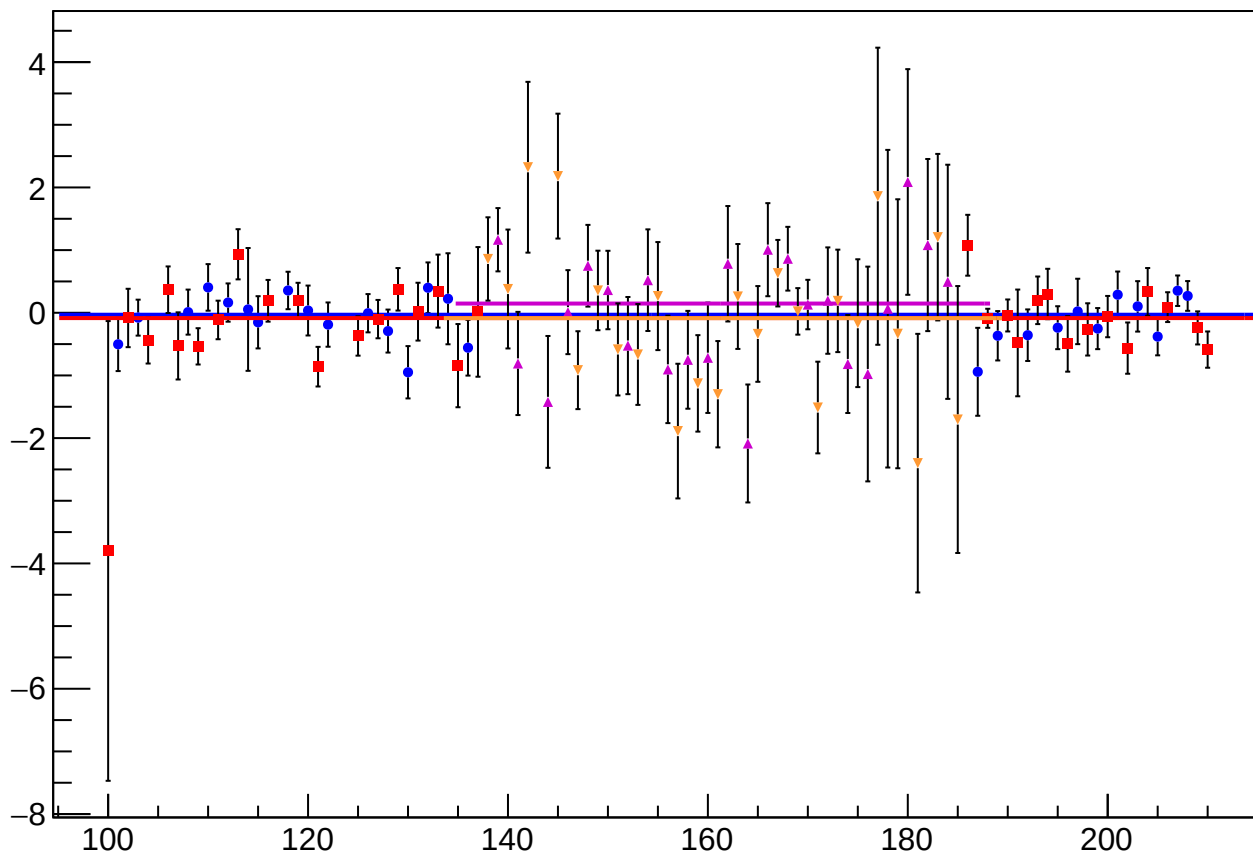
Left In: 0.000+/-0.000 χ^2/NDF : 1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 15122947.5/51

All: 0.000+/-0.000 χ^2/NDF : 28824542.0/107

- sign 0.000+/-0.000 χ^2/NDF : 9531406.2/55

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.031 ± 0.069 χ^2/NDF : 23.3/26

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.085 ± 0.060 χ^2/NDF : 40.3/31

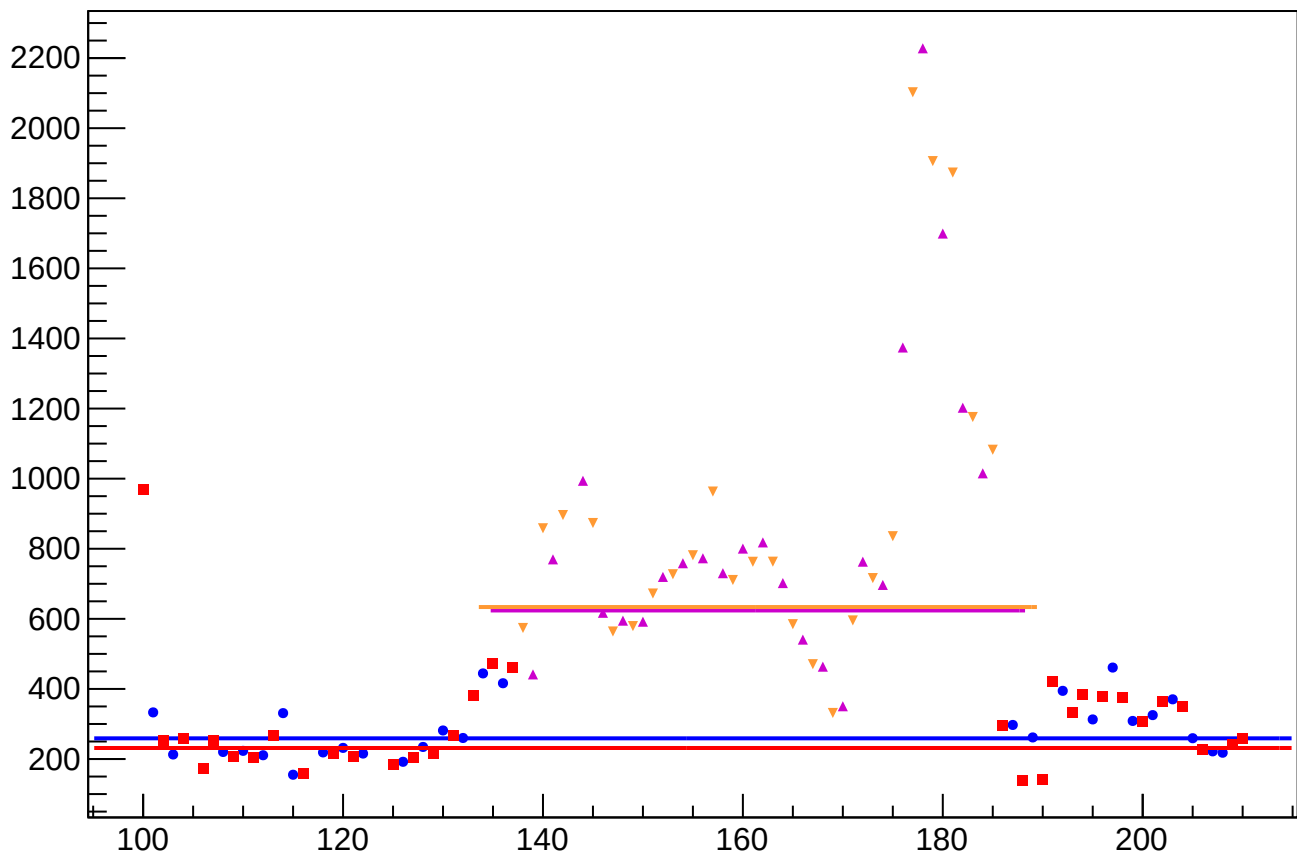
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.040 ± 0.064 χ^2/NDF : 53.6/50

All: -0.049 ± 0.042 χ^2/NDF : 122.2/105

- sign -0.056 ± 0.056 χ^2/NDF : 68.6/54

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 259.049 $\pm$ 0.049 χ^2 /NDF: 1847622.8/26

Left Out: 633.674 $\pm$ 0.114 χ^2 /NDF: 4994105.8/23

Right Out: 231.469 $\pm$ 0.042 χ^2 /NDF: 3431318.2/31

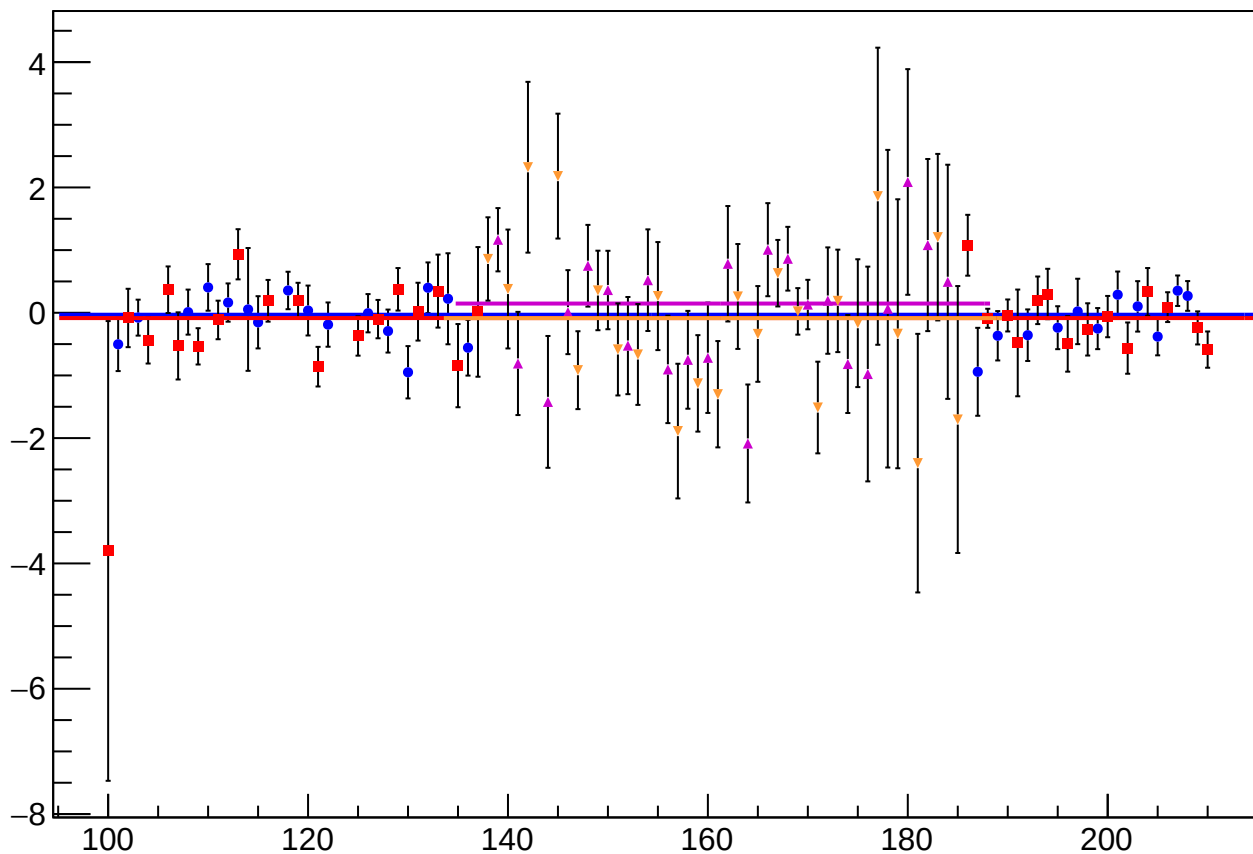
Left In: 623.916 $\pm$ 0.112 χ^2 /NDF: 4541431.8/22

+ sign 317.196 $\pm$ 0.045 χ^2 /NDF: 15940735.1/50

All: 296.754 $\pm$ 0.030 χ^2 /NDF: 35038791.3/10

- sign 280.840 $\pm$ 0.040 χ^2 /NDF: 18730590.5/54

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.031 ± 0.069 χ^2/NDF : 23.3/26

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.085 ± 0.060 χ^2/NDF : 40.3/31

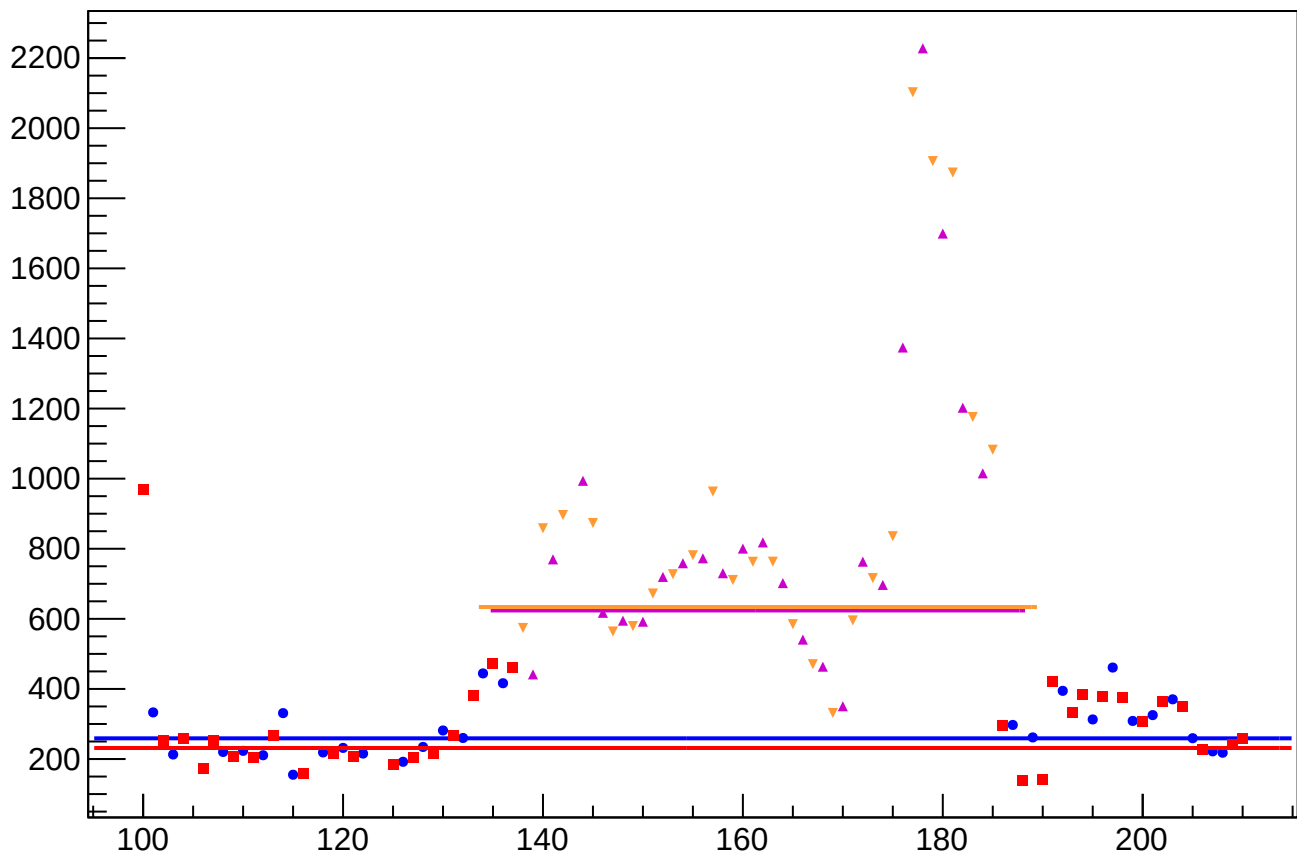
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.040 ± 0.064 χ^2/NDF : 53.6/50

All: -0.049 ± 0.042 χ^2/NDF : 122.2/105

- sign -0.056 ± 0.056 χ^2/NDF : 68.6/54

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 259.049 ± 0.049 χ^2/NDF : 1847622.8/26

Left Out: 633.674 ± 0.114 χ^2/NDF : 4994105.8/23

Right Out: 231.469 ± 0.042 χ^2/NDF : 3431318.2/31

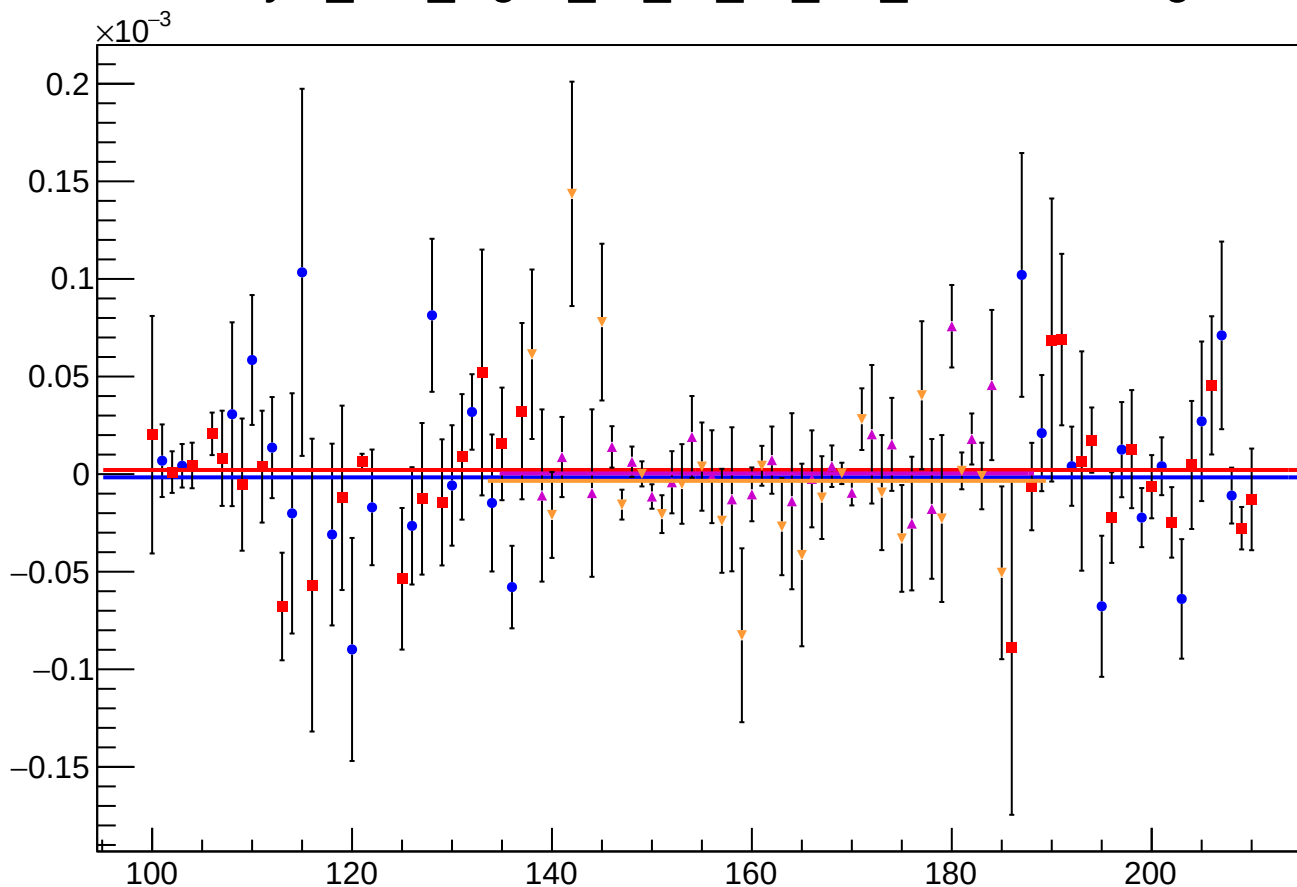
Left In: 623.916 ± 0.112 χ^2/NDF : 4541431.8/22

+ sign 317.196 ± 0.045 χ^2/NDF : 15940735.1/50

All: 296.754 ± 0.030 χ^2/NDF : 35038791.3/10

- sign 280.840 ± 0.040 χ^2/NDF : 18730590.5/54

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 40.8/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 34.3/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 33.9/31

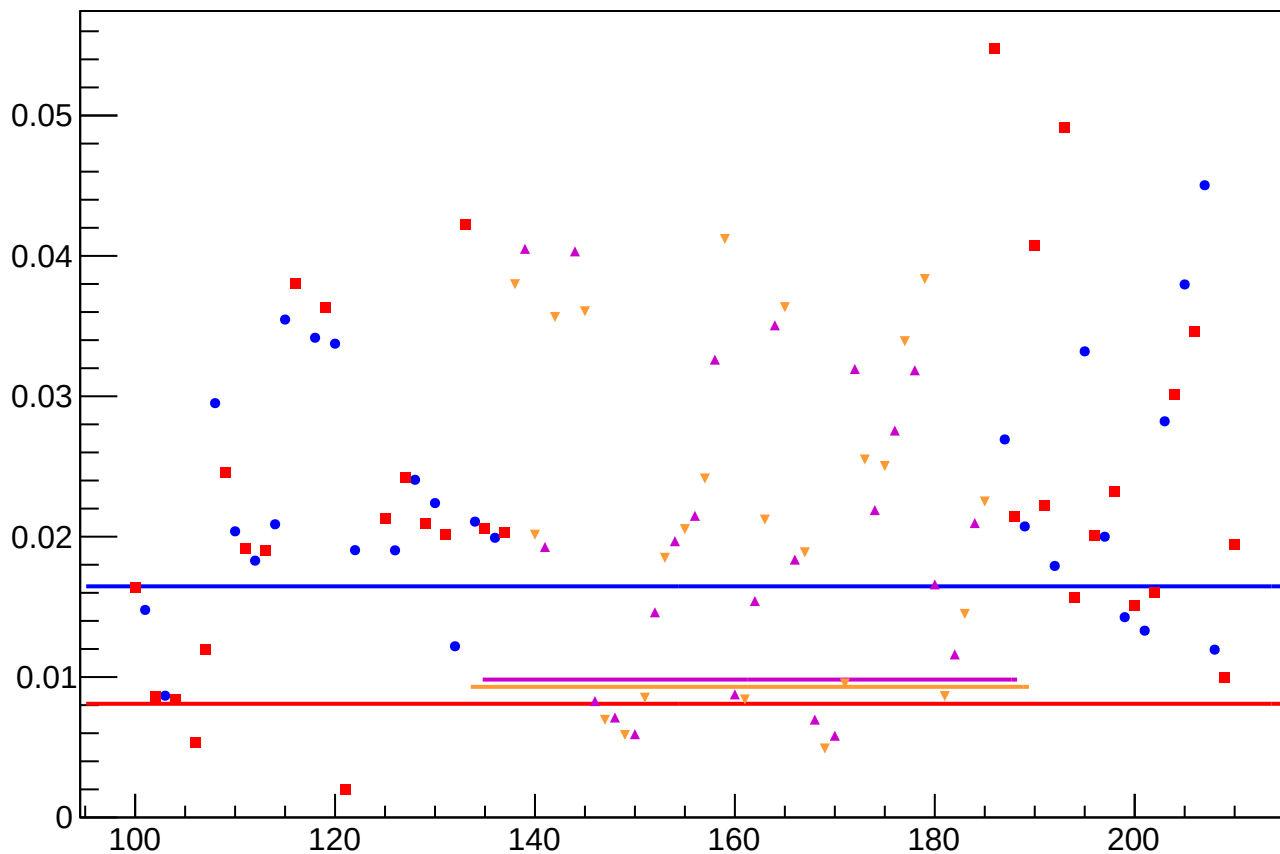
Left In: 0.000 ± 0.000 χ^2/NDF : 27.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 75.2/50

All: -0.000 ± 0.000 χ^2/NDF : 139.0/105

- sign 0.000 ± 0.000 χ^2/NDF : 62.0/54

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 4577326.5/26

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:12224529.3/23

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 16885877.3/31

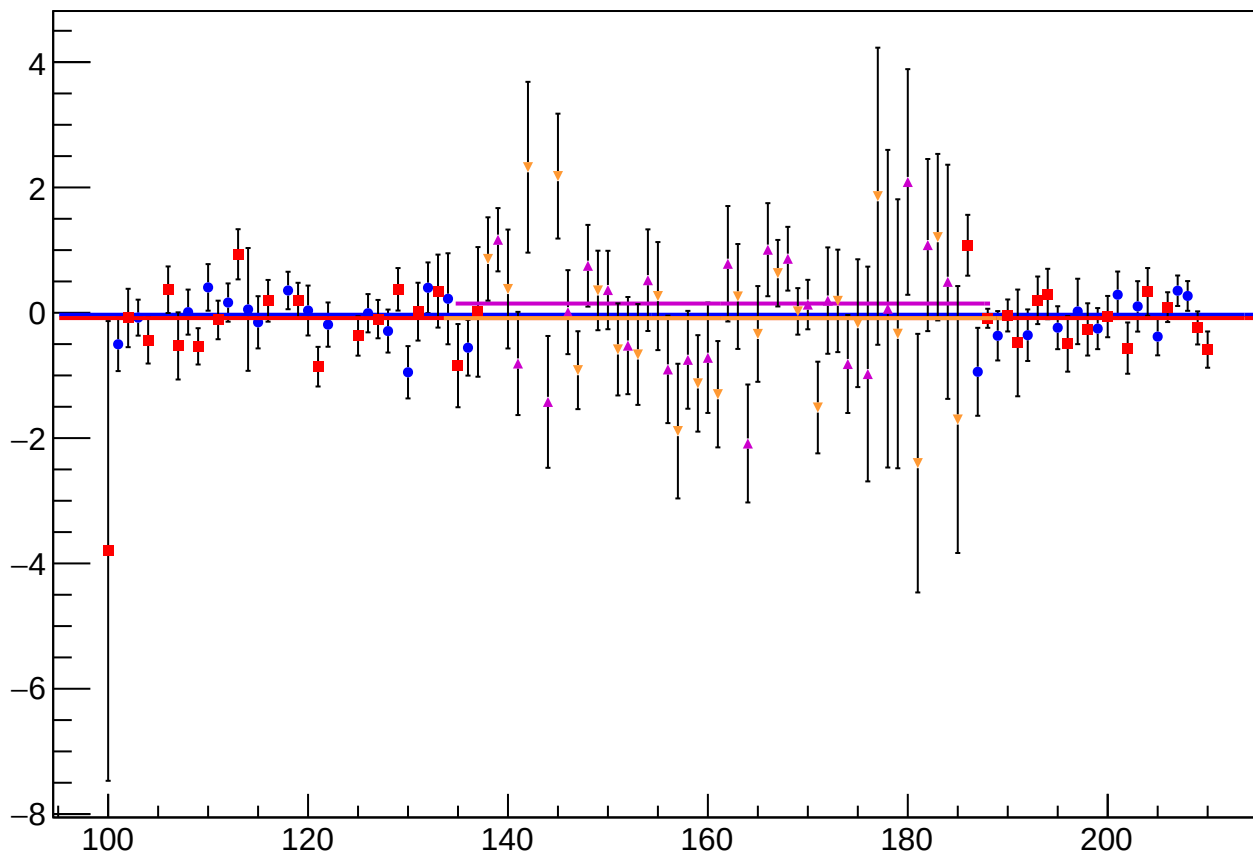
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:10307261.6/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 20339641.8/50

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 48936578.0/105

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 27557353.4/54

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.031 ± 0.069 χ^2/NDF : 23.3/26

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.085 ± 0.060 χ^2/NDF : 40.3/31

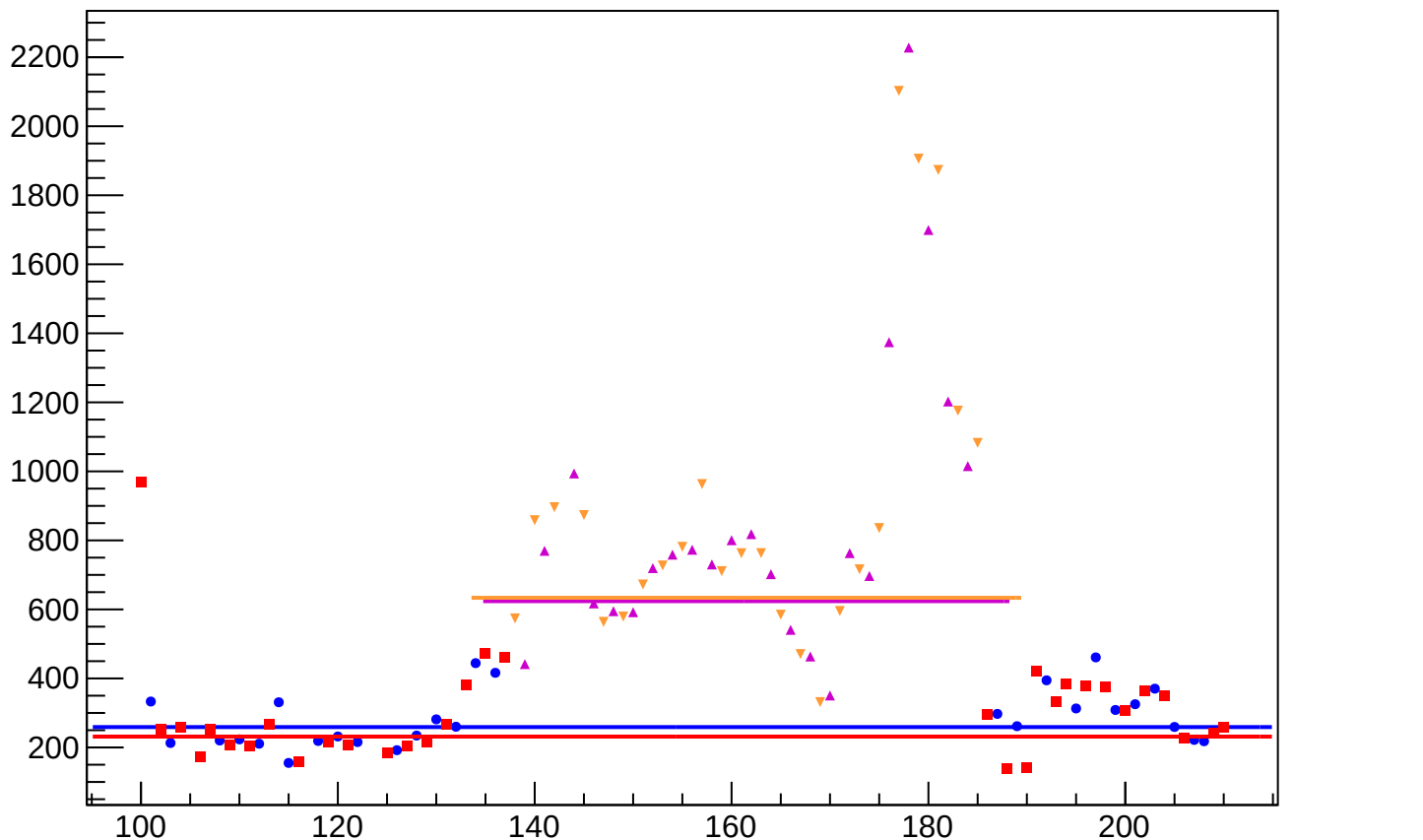
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.040 ± 0.064 χ^2/NDF : 53.6/50

All: -0.049 ± 0.042 χ^2/NDF : 122.2/105

- sign -0.056 ± 0.056 χ^2/NDF : 68.6/54

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 259.051+/-0.049 χ^2/NDF : 1847596.5/26

Left Out: 633.678+/-0.114 χ^2/NDF : 4994172.5/23

Right Out: 231.466+/-0.042 χ^2/NDF : 3431465.5/31

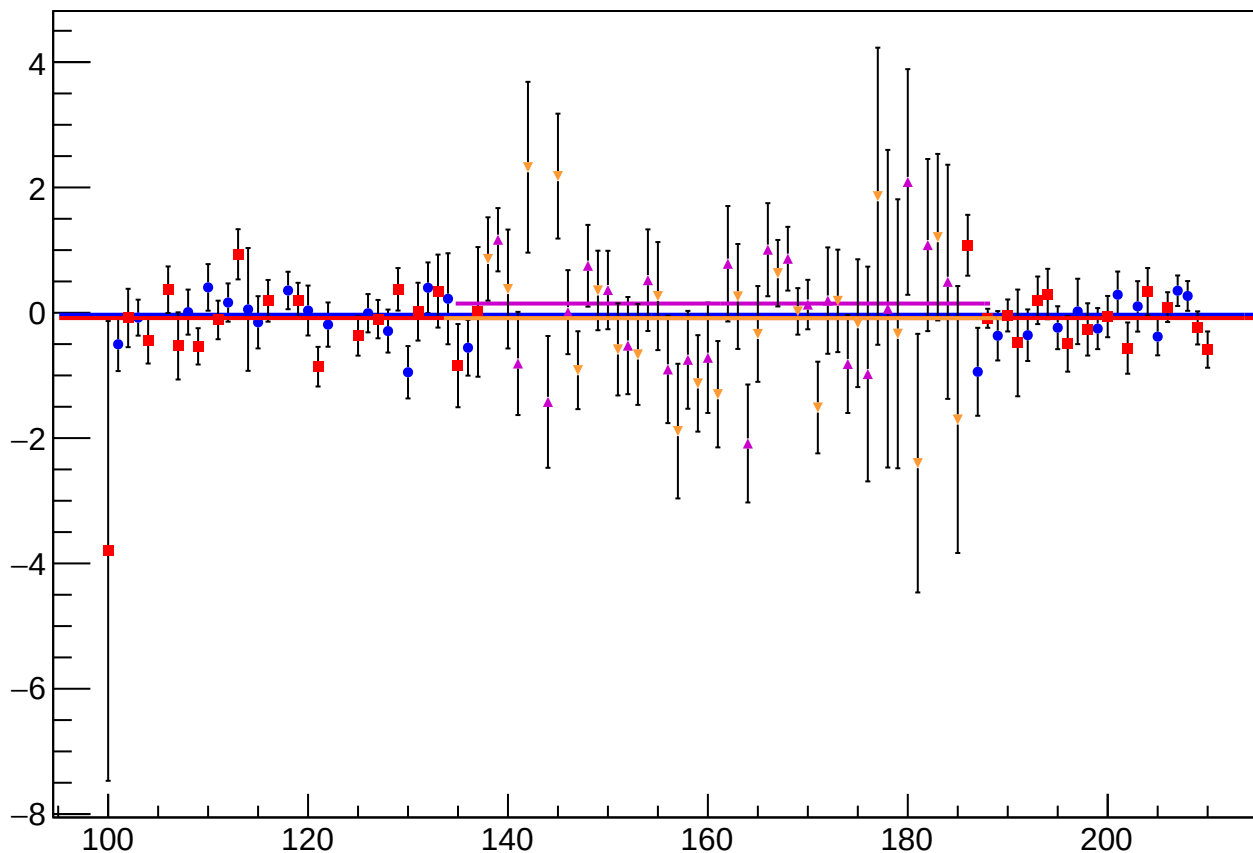
Left In: 623.922+/-0.112 χ^2/NDF : 4541413.9/22

+ sign 317.197+/-0.045 χ^2/NDF : 15940785.5/50

All: 296.753+/-0.030 χ^2/NDF : 35039347.5/10

- sign 280.837+/-0.040 χ^2/NDF : 18731018.1/54

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.031 ± 0.069 χ^2/NDF : 23.3/26

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.085 ± 0.060 χ^2/NDF : 40.3/31

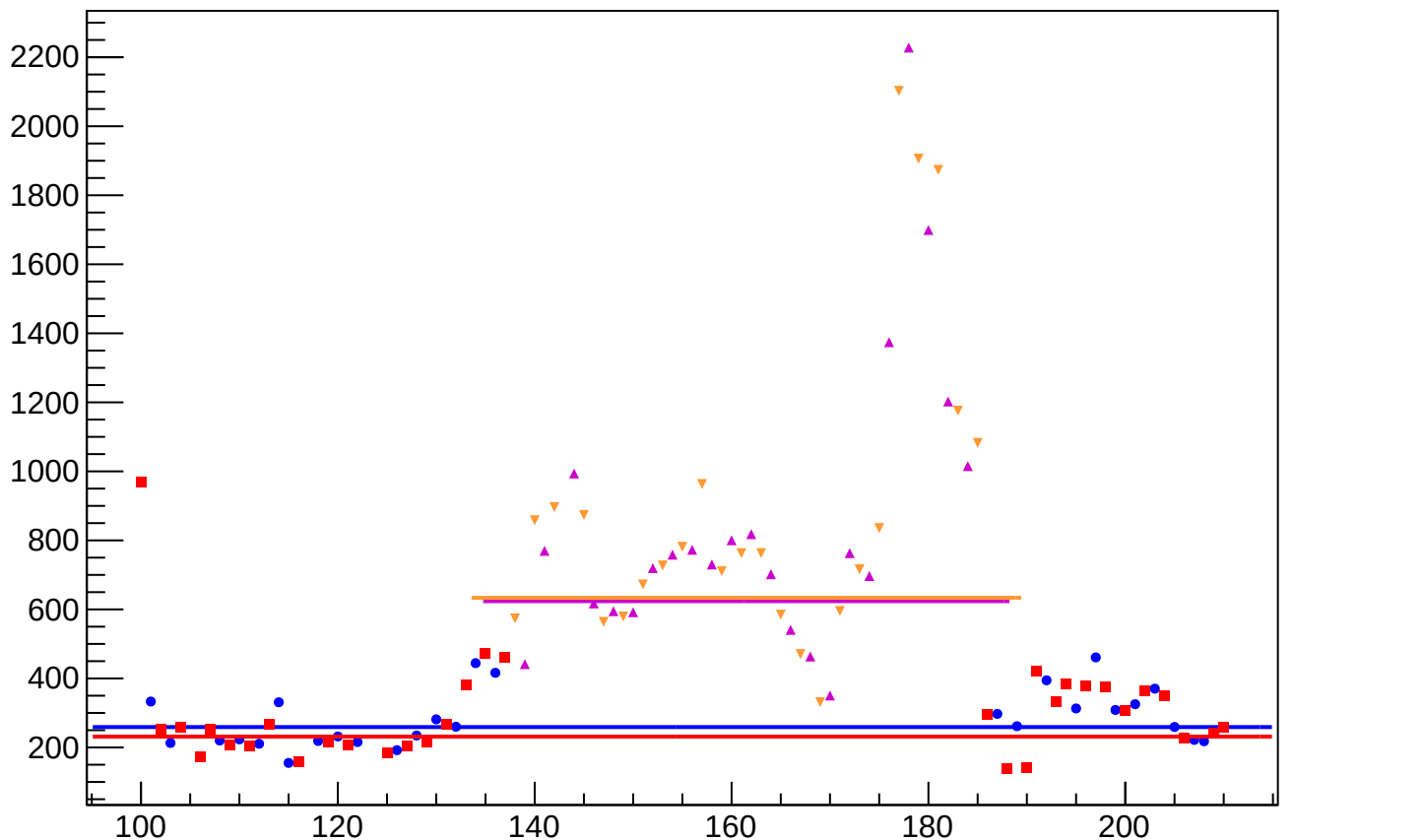
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.040 ± 0.064 χ^2/NDF : 53.6/50

All: -0.049 ± 0.042 χ^2/NDF : 122.2/105

- sign -0.056 ± 0.056 χ^2/NDF : 68.6/54

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 259.051+/-0.049 χ^2/NDF : 1847596.5/26

Left Out: 633.678+/-0.114 χ^2/NDF : 4994172.5/23

Right Out: 231.466+/-0.042 χ^2/NDF : 3431465.5/31

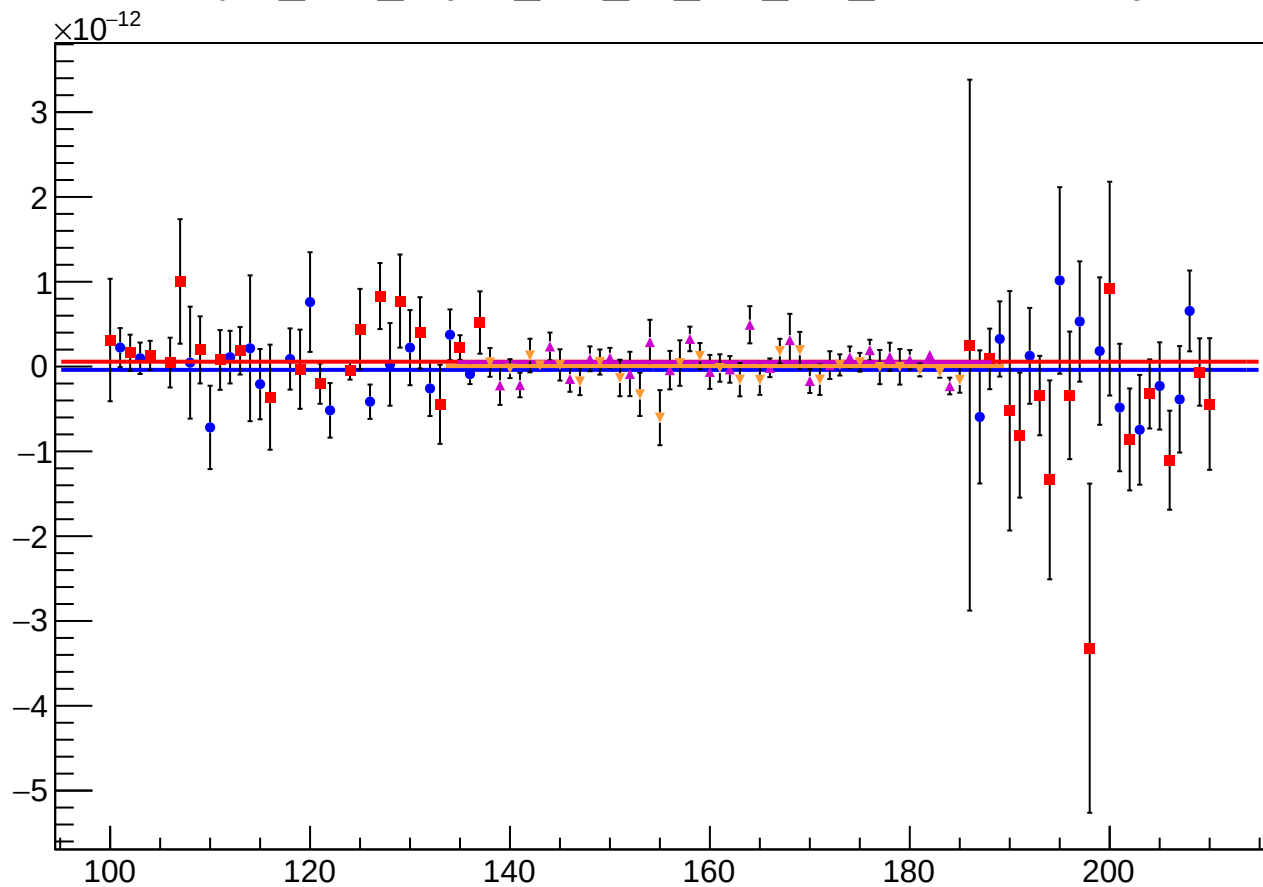
Left In: 623.922+/-0.112 χ^2/NDF : 4541413.9/22

+ sign 317.197+/-0.045 χ^2/NDF : 15940785.5/50

All: 296.753+/-0.030 χ^2/NDF : 35039347.5/10

- sign 280.837+/-0.040 χ^2/NDF : 18731018.1/54

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 21.8/26$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 15.8/24$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 31.3/32$

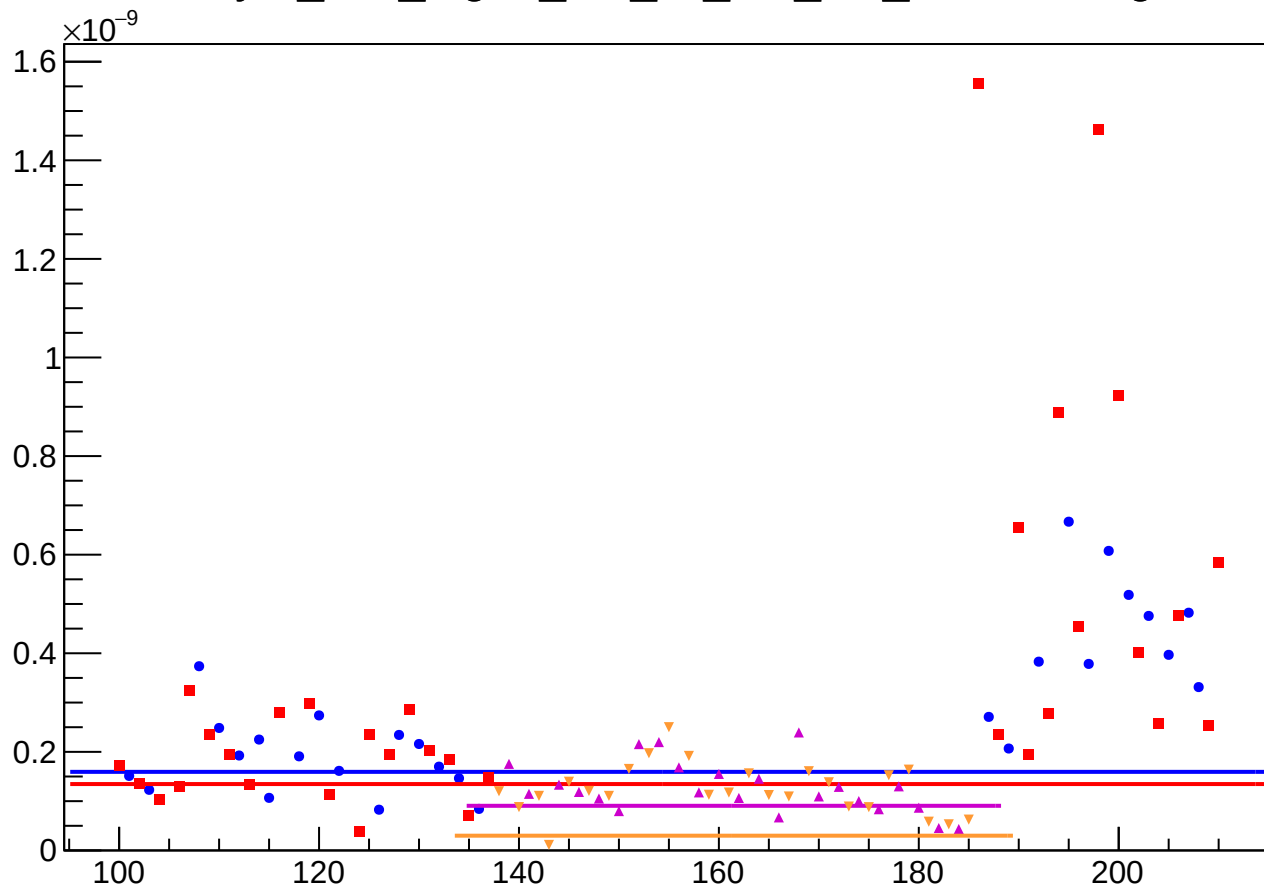
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 33.4/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 38.1/51$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 105.8/107$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 64.7/55$

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5384374.1/26

Left Out: 0.000+/-0.000 χ^2/NDF : 17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9156376.1/32

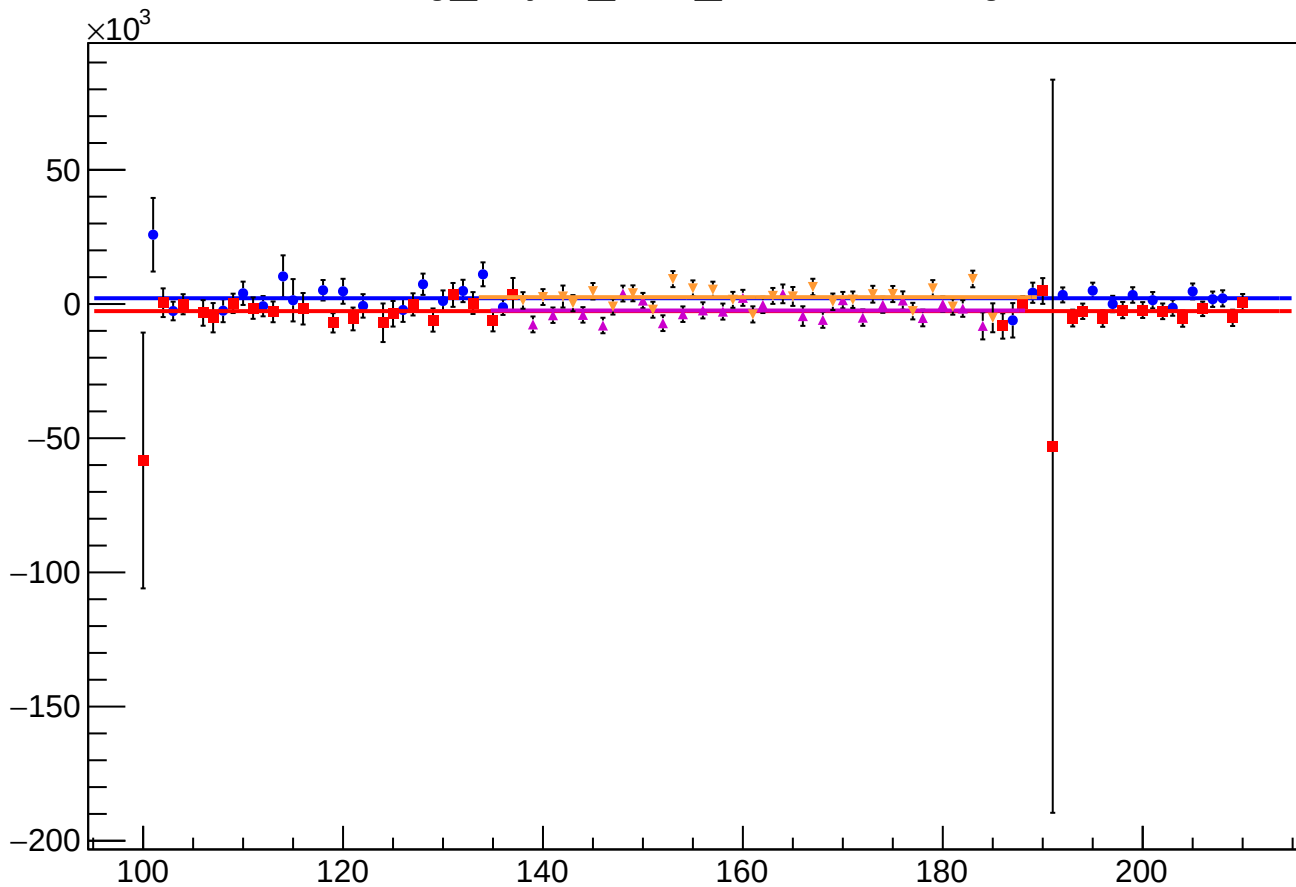
Left In: 0.000+/-0.000 χ^2/NDF : 4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 30610724.5/51

All: 0.000+/-0.000 χ^2/NDF : 55681589.7/107

- sign 0.000+/-0.000 χ^2/NDF : 14881108.4/55

reg_asym_atr1_mean vs Slug



Right In: 2159.465 ± 706.665 χ^2/NDF : 23.8/26

Left Out: 2556.827 ± 621.829 χ^2/NDF : 31.6/24

Right Out: -2641.040 ± 662.969 χ^2/NDF : 20.0/32

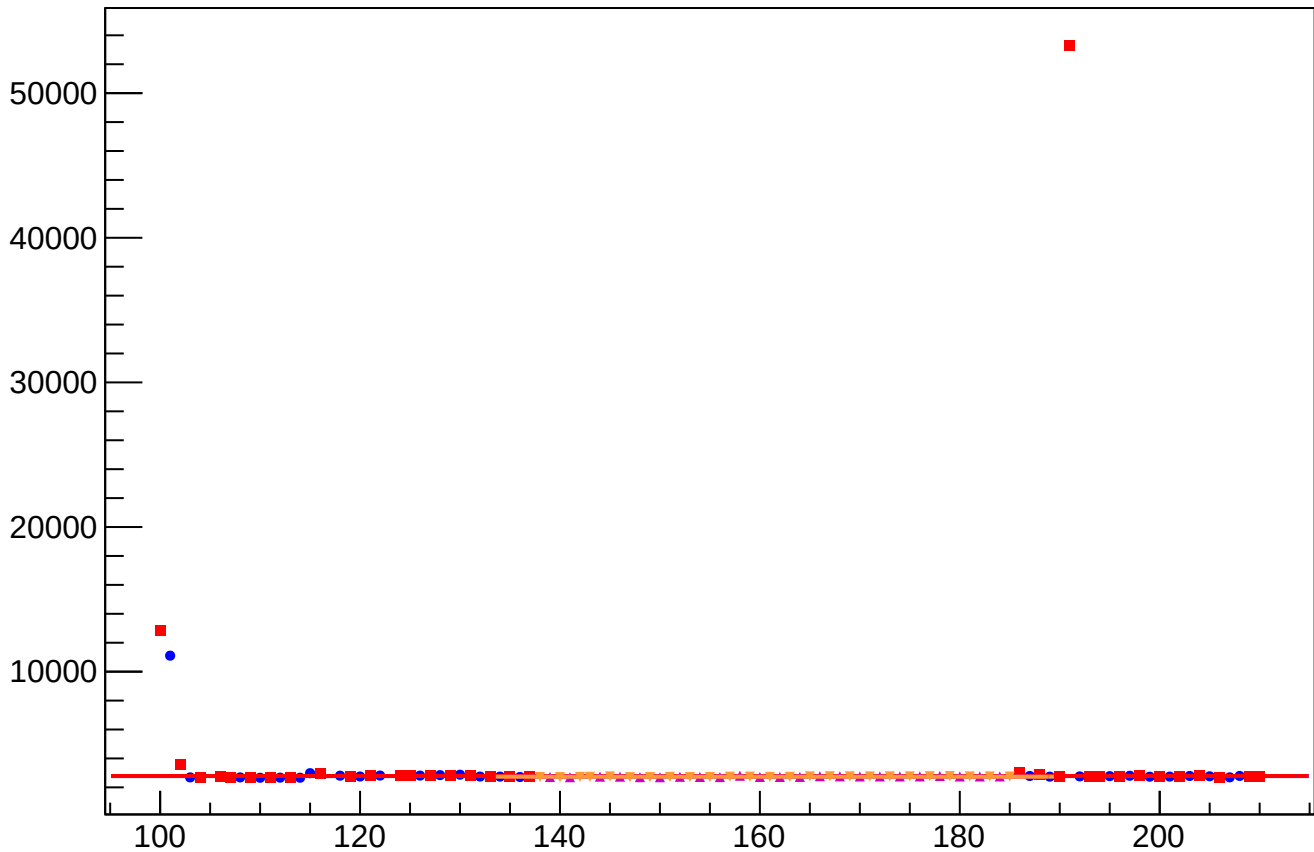
Left In: -2408.320 ± 639.726 χ^2/NDF : 31.4/22

+ sign 2383.418 ± 466.827 χ^2/NDF : 55.5/51

All: -102.800 ± 327.784 χ^2/NDF : 162.9/107

- sign -2520.529 ± 460.353 χ^2/NDF : 51.5/55

reg_asym_atr1_rms vs Slug



Right In: 2779.656 $\pm$ 0.500 χ^2 /NDF: 750457.2/26

Left Out: 2737.519 $\pm$ 0.440 χ^2 /NDF: 2317.5/24

Right Out: 2785.771 $\pm$ 0.469 χ^2 /NDF: 481492.7/32

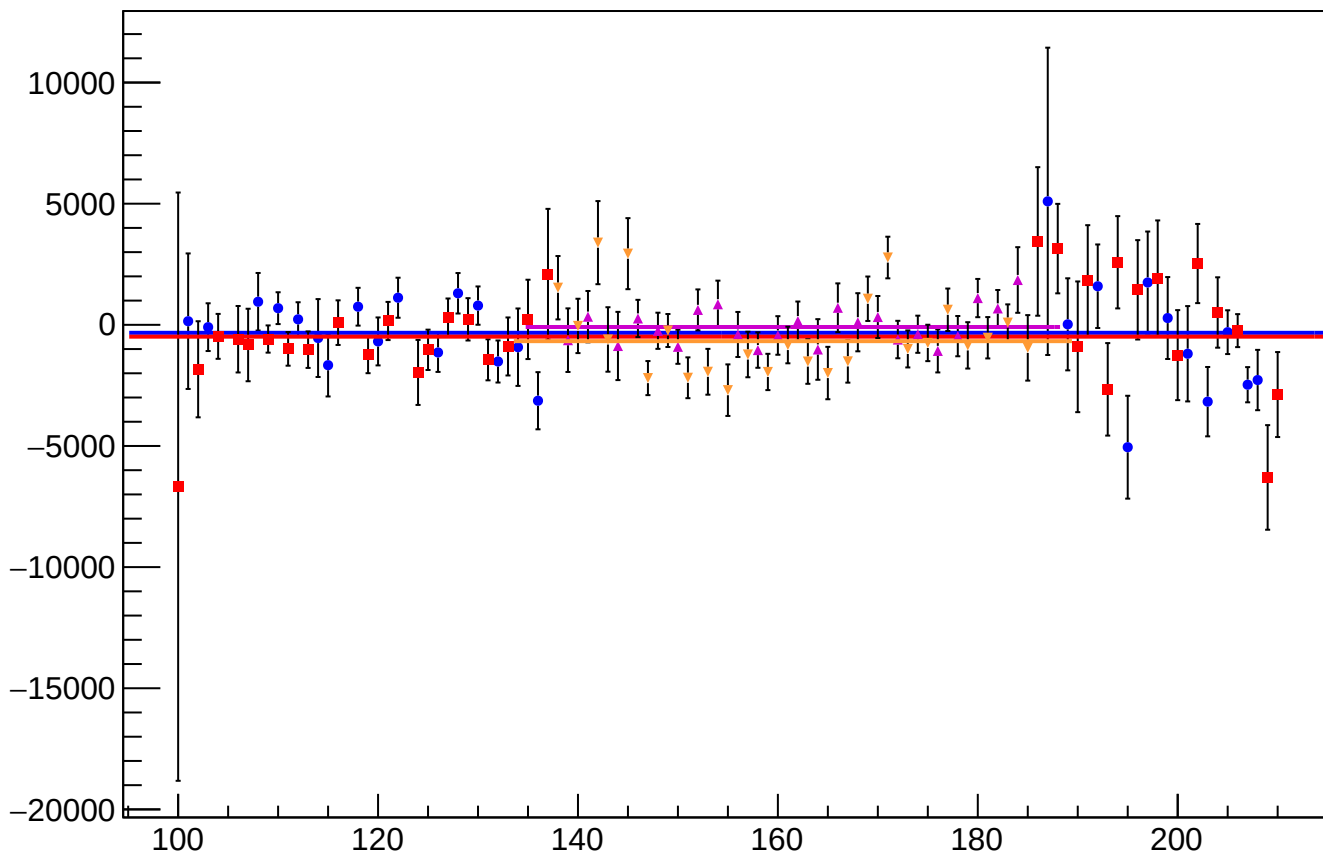
Left In: 2739.863 $\pm$ 0.452 χ^2 /NDF: 3362.0/22

+ sign 2755.907 $\pm$ 0.330 χ^2 /NDF: 756782.6/51

All: 2758.995 $\pm$ 0.232 χ^2 /NDF: 1246775.8/10

- sign 2761.998 $\pm$ 0.326 χ^2 /NDF: 489820.6/55

asym_atr1_reg_correction_mean vs Slug



Right In: -329.137 ± 202.895 $\chi^2/\text{NDF}: 48.3/26$

Left Out: -673.693 ± 181.230 $\chi^2/\text{NDF}: 58.4/24$

Right Out: -487.973 ± 192.546 $\chi^2/\text{NDF}: 35.3/32$

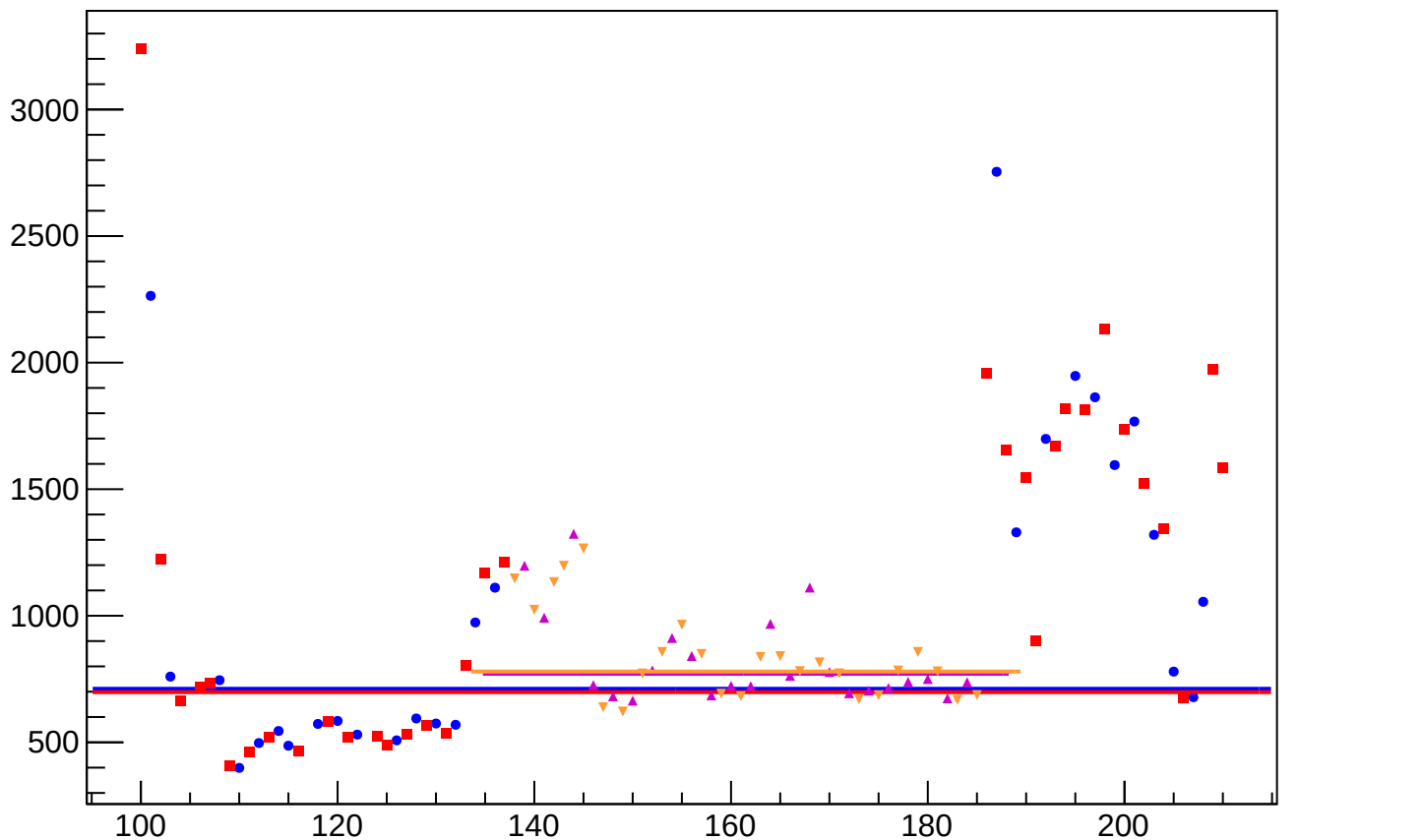
Left In: -89.519 ± 183.491 $\chi^2/\text{NDF}: 14.8/22$

+ sign -520.786 ± 135.162 $\chi^2/\text{NDF}: 108.3/51$

All: -397.872 ± 94.740 $\chi^2/\text{NDF}: 162.3/107$

- sign -279.157 ± 132.834 $\chi^2/\text{NDF}: 52.4/55$

asym_atr1_reg_correction_rms vs Slug



Right In: 711.476+/-0.143 χ^2/NDF : 6103290.7/26

Left Out: 779.715+/-0.128 χ^2/NDF :1243743.5/24

Right Out: 698.174+/-0.136 χ^2/NDF : 8359797.9/32

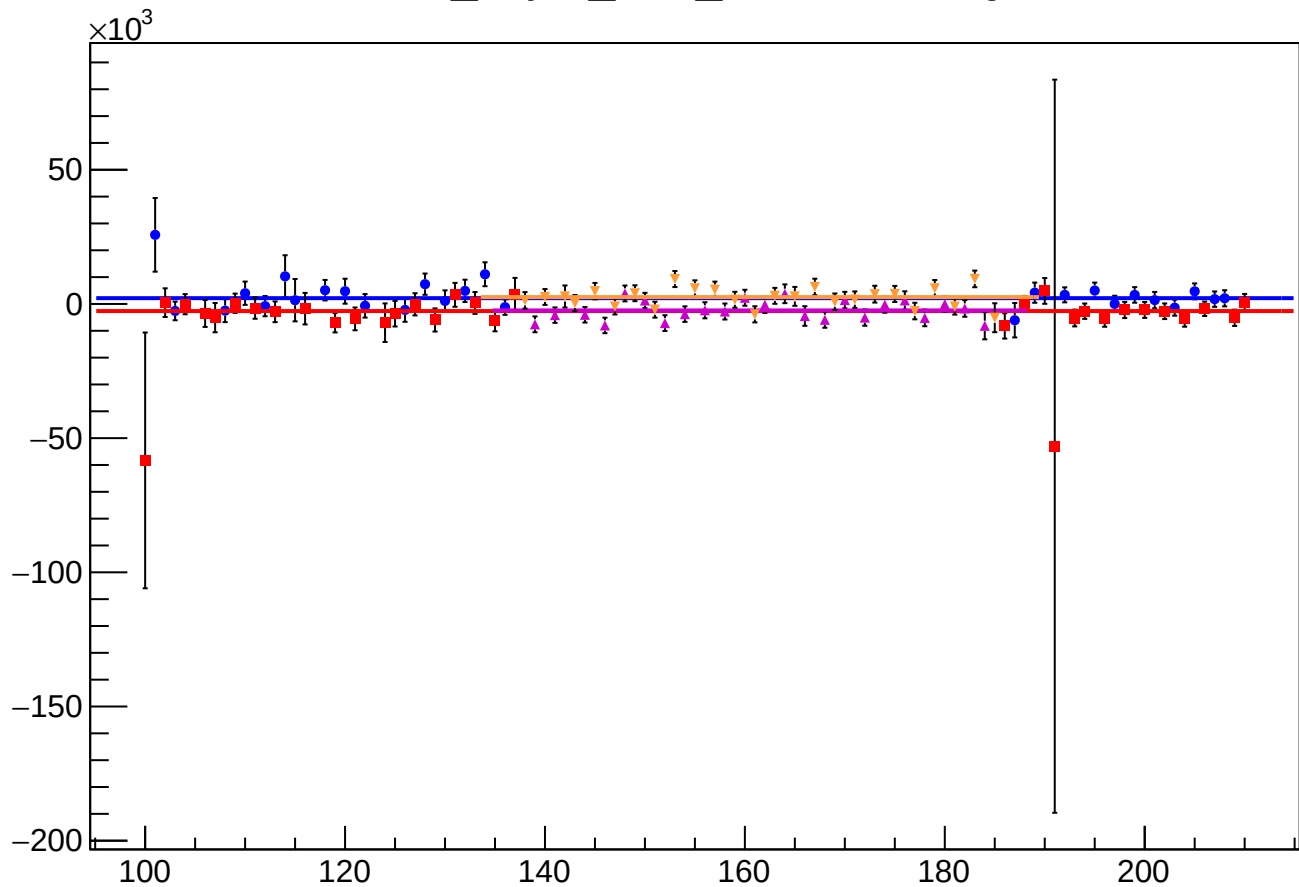
Left In: 770.795+/-0.130 χ^2/NDF :1076354.9/22

+ sign 749.432+/-0.096 χ^2/NDF : 7472868.6/51

All: 742.717+/-0.067 χ^2/NDF : 17067821.9/10

- sign 736.232+/-0.094 χ^2/NDF : 9585250.1/55

cor_asym_atr1_mean vs Slug



Right In: 2159.165 $\pm$ 706.665 χ^2 /NDF: 23.8/26

Left Out: 2556.787 $\pm$ 621.829 χ^2 /NDF:31.6/24

Right Out: -2643.919 $\pm$ 663.594 χ^2 /NDF: 20.0/32

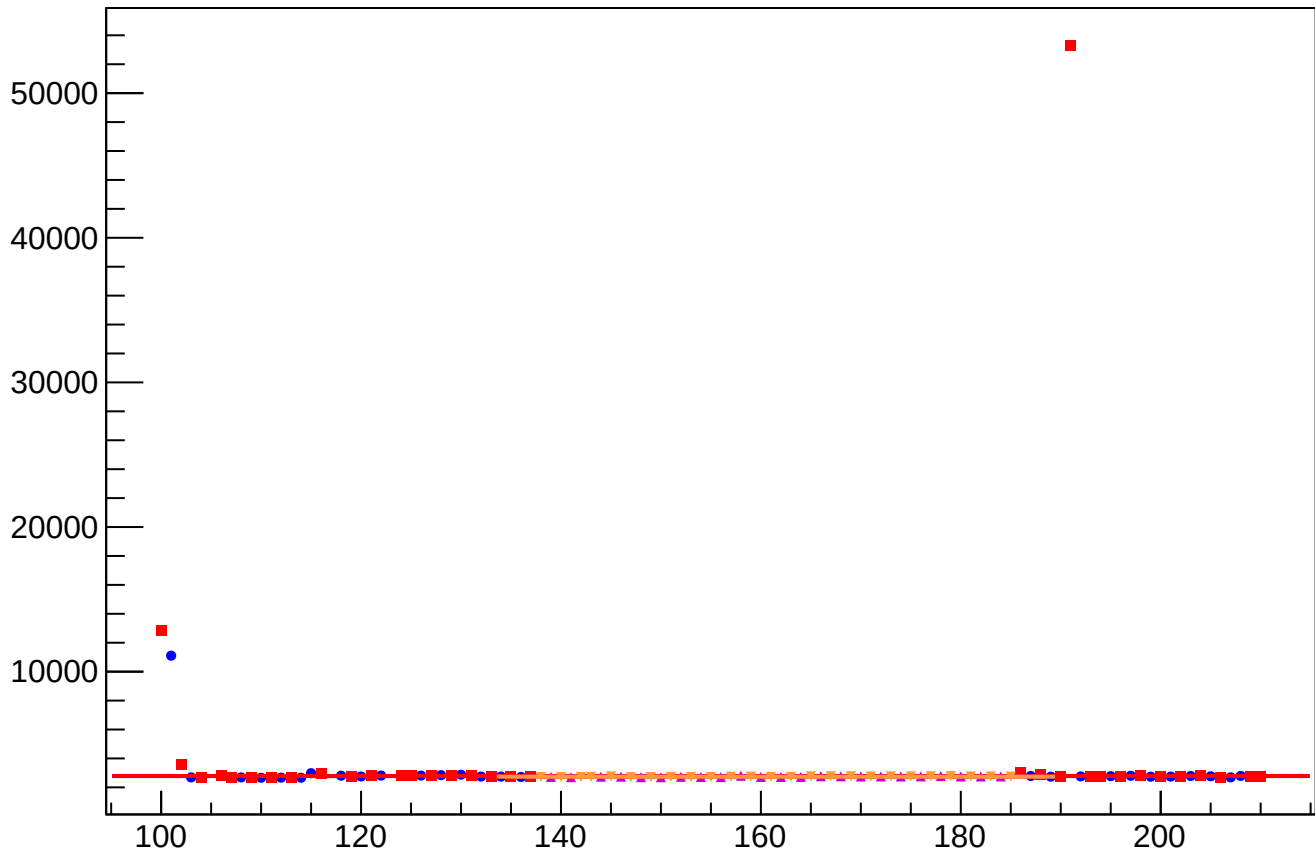
Left In: -2408.461 $\pm$ 639.726 χ^2 /NDF:31.4/22

+ sign 2383.265 $\pm$ 466.827 χ^2 /NDF: 55.5/51

All: -102.448 $\pm$ 327.859 χ^2 /NDF: 162.9/107

- sign -2521.880 $\pm$ 460.562 χ^2 /NDF: 51.5/55

cor_asym_atr1_rms vs Slug



Right In: 2779.656+/-0.500 χ^2/NDF : 750456.3/26

Left Out: 2737.519+/-0.440 χ^2/NDF : 2317.5/24

Right Out: 2787.947+/-0.469 χ^2/NDF : 481330.4/32

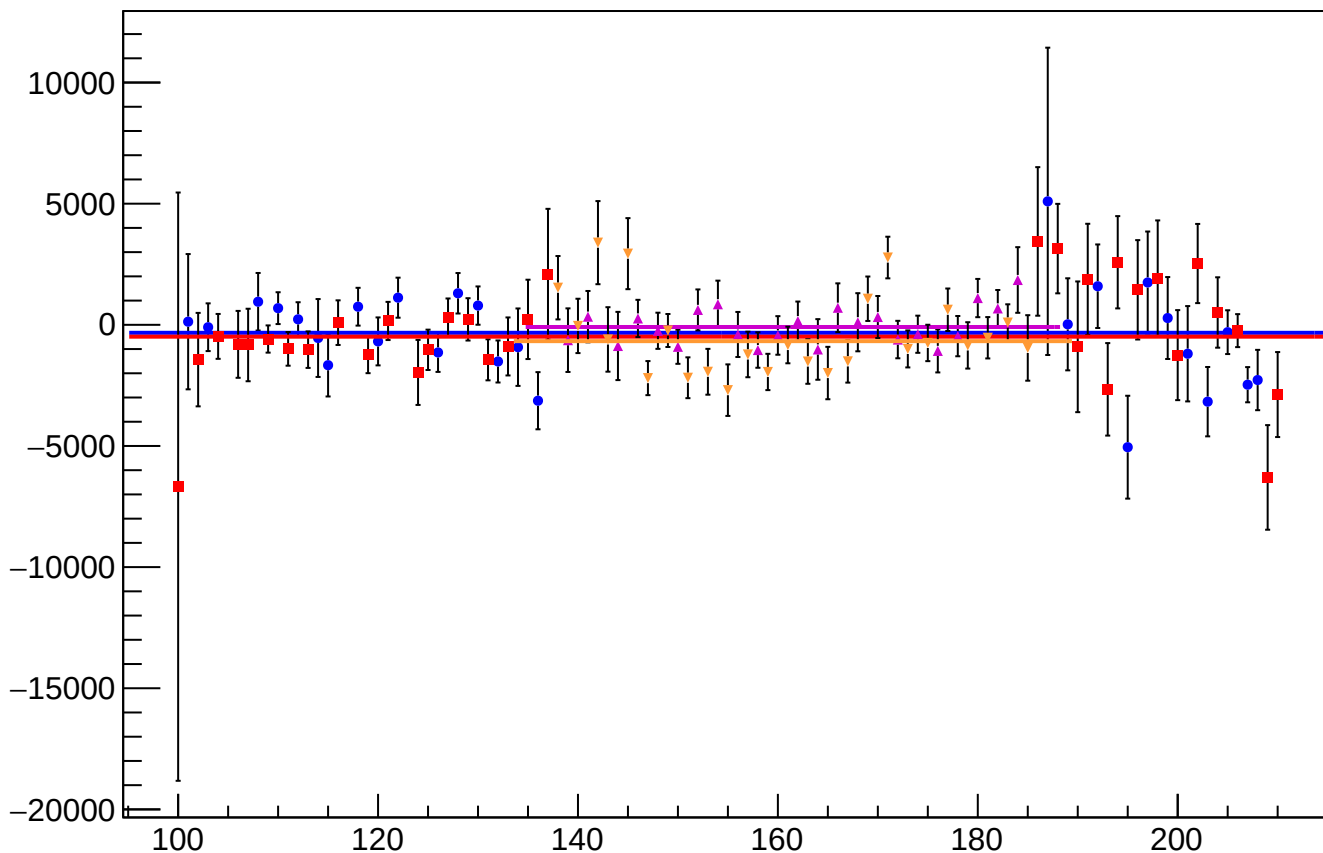
Left In: 2739.863+/-0.452 χ^2/NDF : 3362.0/22

+ sign 2755.907+/-0.330 χ^2/NDF : 756781.7/51

All: 2759.514+/-0.232 χ^2/NDF : 1247152.2/100

- sign 2763.025+/-0.326 χ^2/NDF : 490135.0/55

asym_atr1_cor_correction_mean vs Slug



Right In: -329.106+/-202.887 χ^2/NDF : 48.3/26

Left Out: -673.608+/-181.230 χ^2/NDF : 58.4/24

Right Out: -488.726+/-192.519 χ^2/NDF : 35.2/32

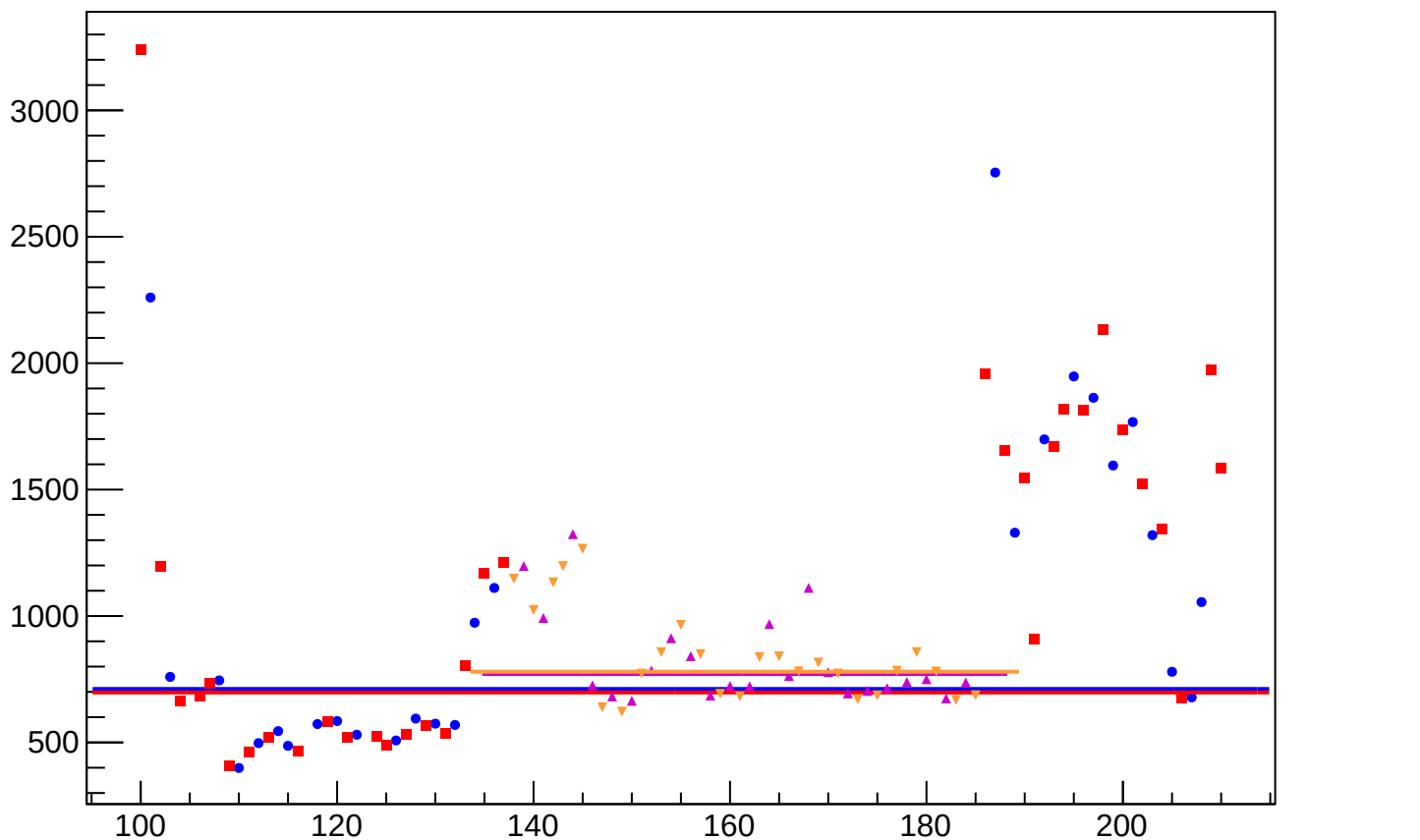
Left In: -89.643+/-183.492 χ^2/NDF : 14.8/22

+ sign -520.719+/-135.160 χ^2/NDF : 108.3/51

All: -398.064+/-94.736 χ^2/NDF : 162.1/107

- sign -279.610+/-132.825 χ^2/NDF : 52.2/55

asym_atr1_cor_correction_rms vs Slug



Right In: 711.465+/-0.143 χ^2/NDF : 6102409.7/26

Left Out: 779.713+/-0.128 χ^2/NDF :1243769.6/24

Right Out: 697.571+/-0.136 χ^2/NDF : 8355176.3/32

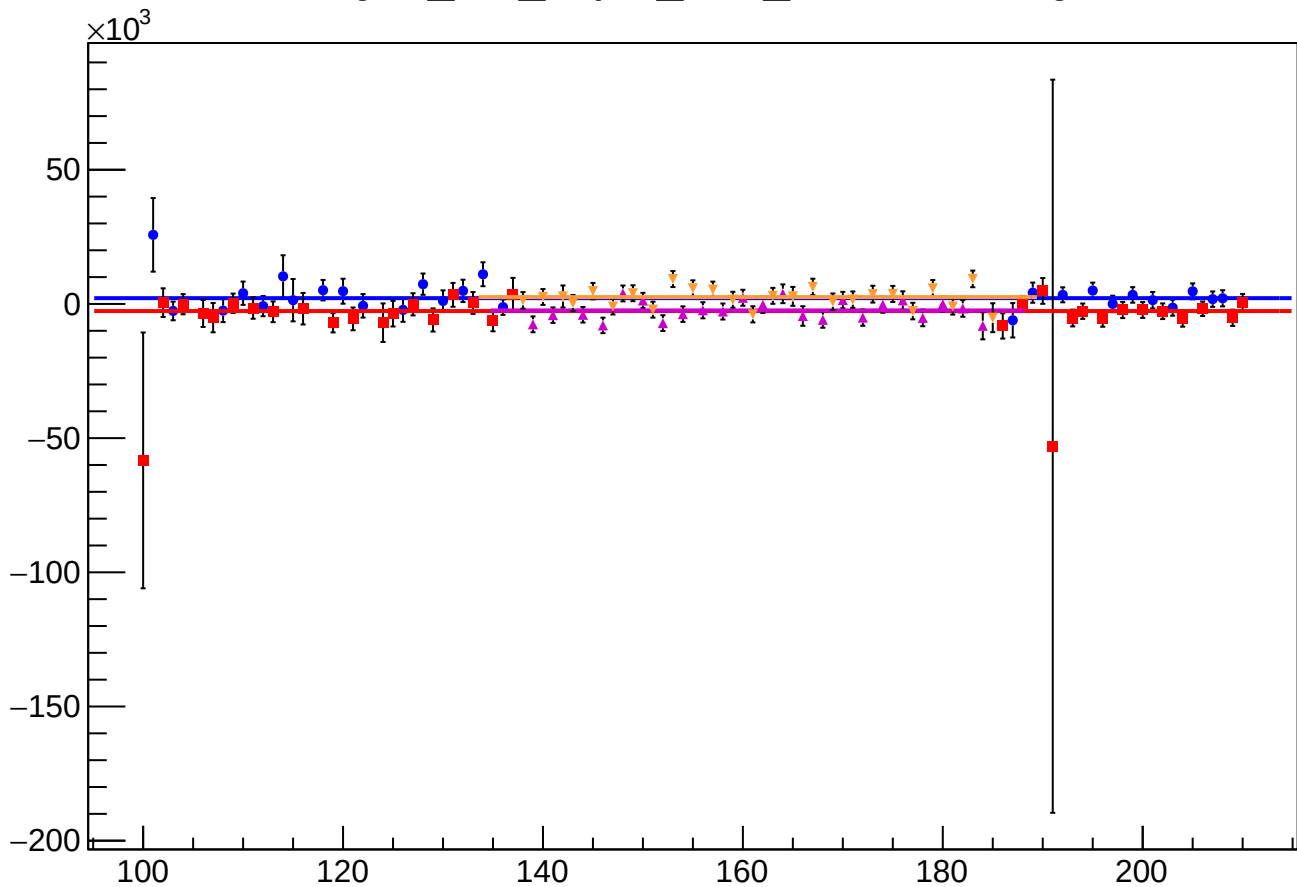
Left In: 770.799+/-0.130 χ^2/NDF :1076291.1/22

+ sign 749.425+/-0.096 χ^2/NDF : 7472052.0/51

All: 742.566+/-0.067 χ^2/NDF : 17065267.8/10

- sign 735.942+/-0.094 χ^2/NDF : 9583090.9/55

eigen_cor_asym_atr1_mean vs Slug



Right In: 2159.165 ± 706.665 χ^2/NDF : 23.8/26

Left Out: 2556.787 ± 621.829 χ^2/NDF : 31.6/24

Right Out: -2643.919 ± 663.594 χ^2/NDF : 20.0/32

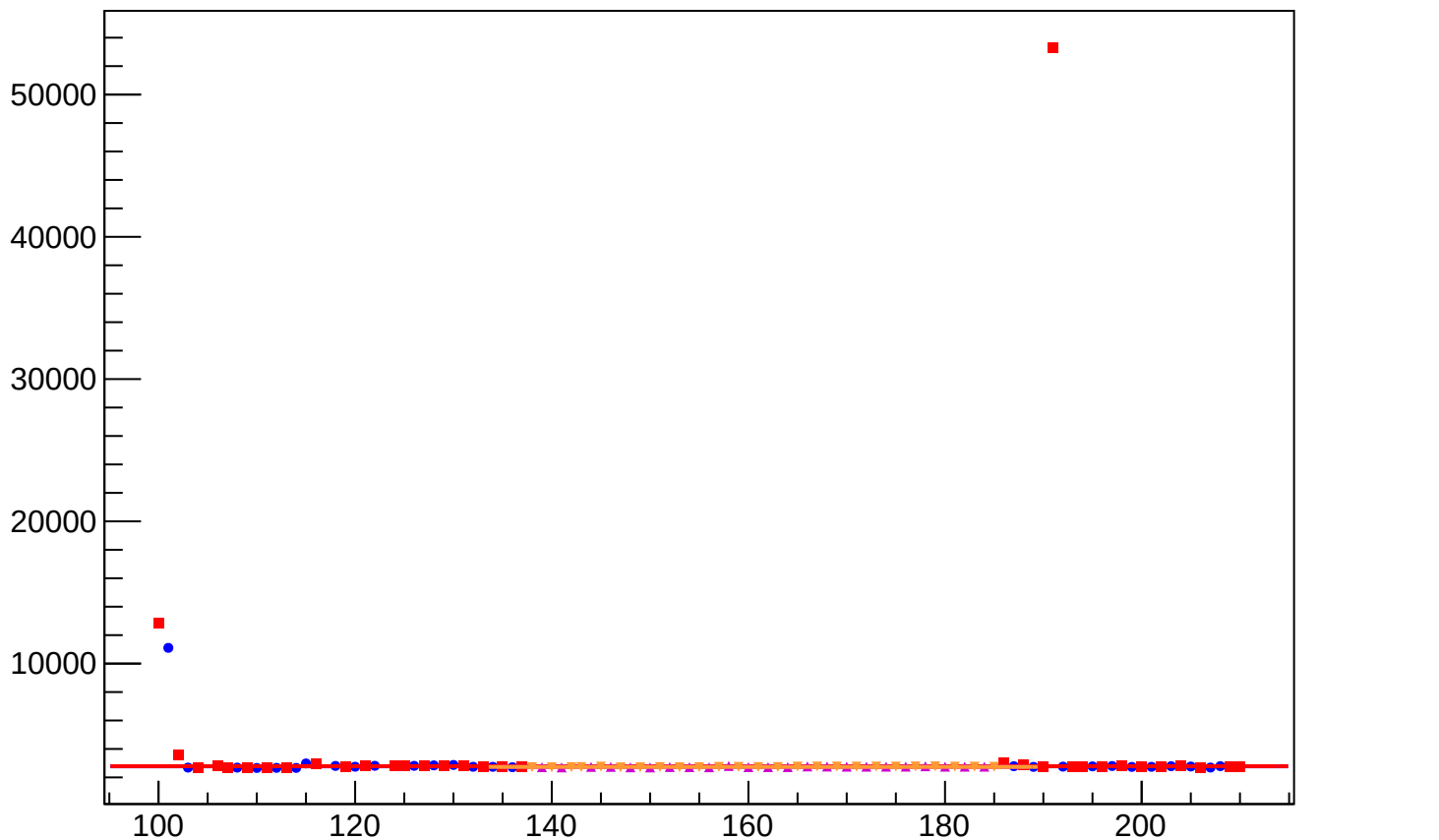
Left In: -2408.461 ± 639.726 χ^2/NDF : 31.4/22

+ sign 2383.265 ± 466.827 χ^2/NDF : 55.5/51

All: -102.448 ± 327.859 χ^2/NDF : 162.9/107

- sign -2521.880 ± 460.562 χ^2/NDF : 51.5/55

eigen_cor_asym_atr1_rms vs Slug



Right In: 2779.656+/-0.500 χ^2 /NDF: 750456.3/26

Left Out: 2737.519+/-0.440 χ^2 /NDF: 2317.5/24

Right Out: 2787.947+/-0.469 χ^2 /NDF: 481330.4/32

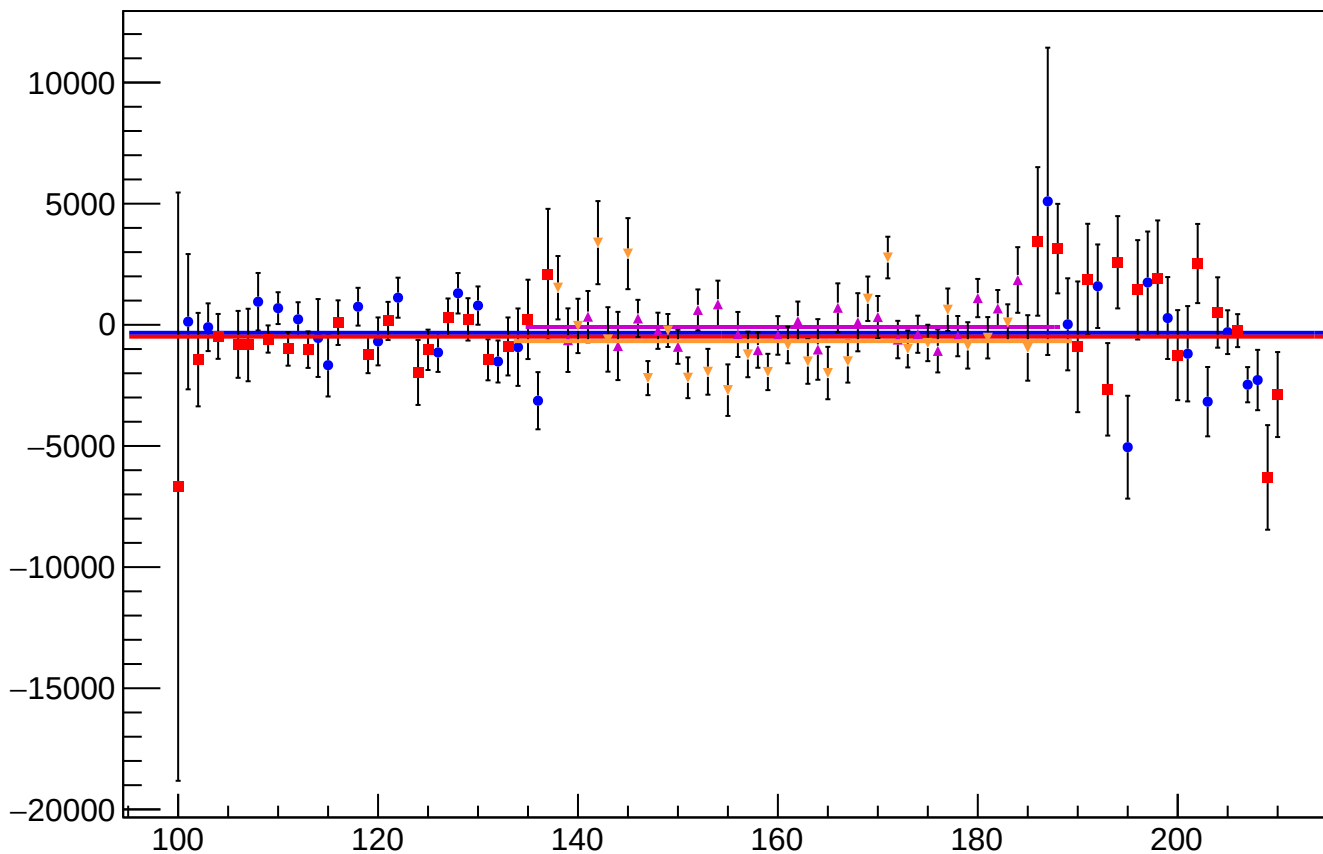
Left In: 2739.863+/-0.452 χ^2 /NDF: 3362.0/22

+ sign 2755.907+/-0.330 χ^2 /NDF: 756781.7/51

All: 2759.514+/-0.232 χ^2 /NDF: 1247152.2/10

- sign 2763.025+/-0.326 χ^2 /NDF: 490135.0/55

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -329.106+/-202.887 χ^2/NDF : 48.3/26

Left Out: -673.608+/-181.230 χ^2/NDF : 58.4/24

Right Out: -488.726+/-192.519 χ^2/NDF : 35.2/32

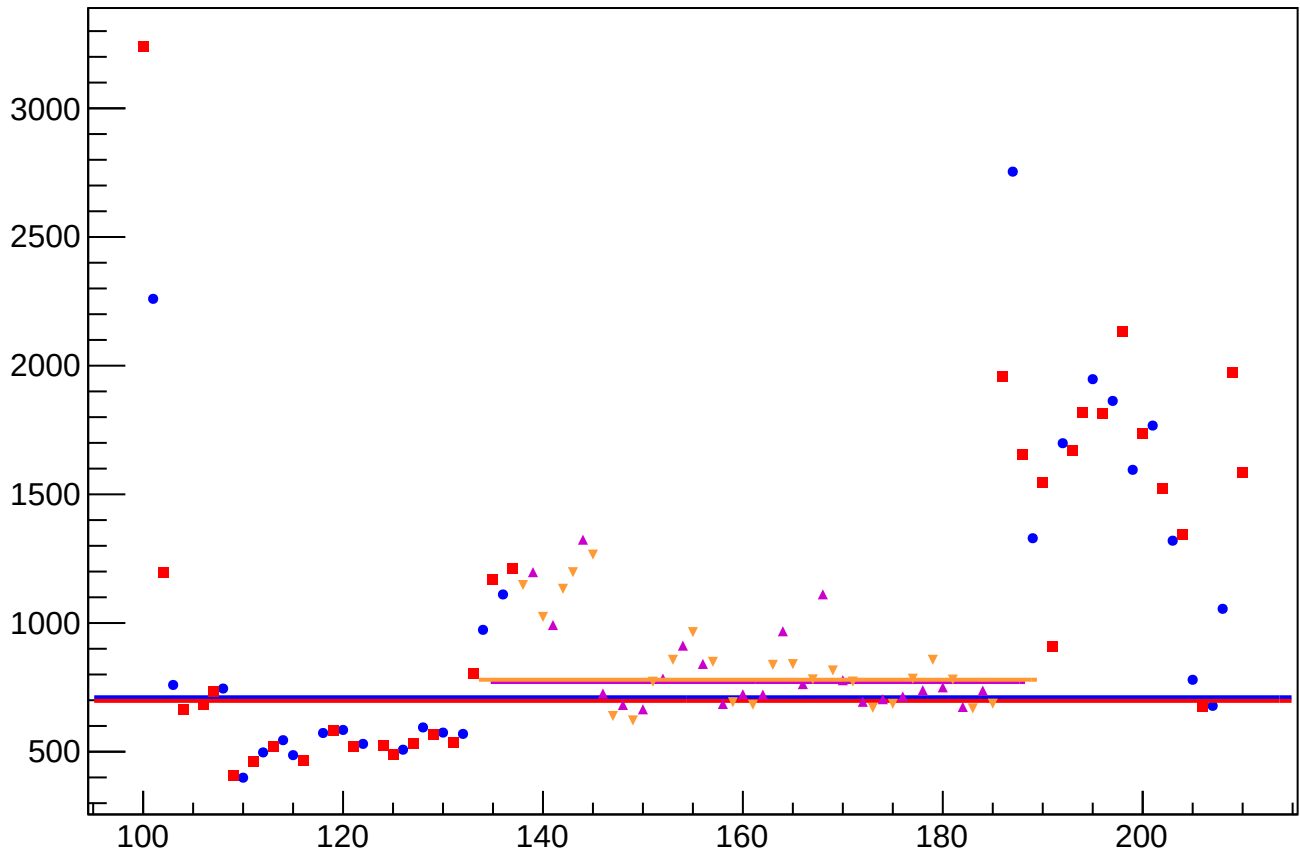
Left In: -89.643+/-183.492 χ^2/NDF : 14.8/22

+ sign -520.719+/-135.160 χ^2/NDF : 108.3/51

All: -398.064+/-94.736 χ^2/NDF : 162.1/107

- sign -279.610+/-132.825 χ^2/NDF : 52.2/55

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 711.465 $\pm$ 0.143 χ^2 /NDF: 6102409.7/26

Left Out: 779.713 $\pm$ 0.128 χ^2 /NDF:1243769.6/24

Right Out: 697.571 $\pm$ 0.136 χ^2 /NDF: 8355176.3/32

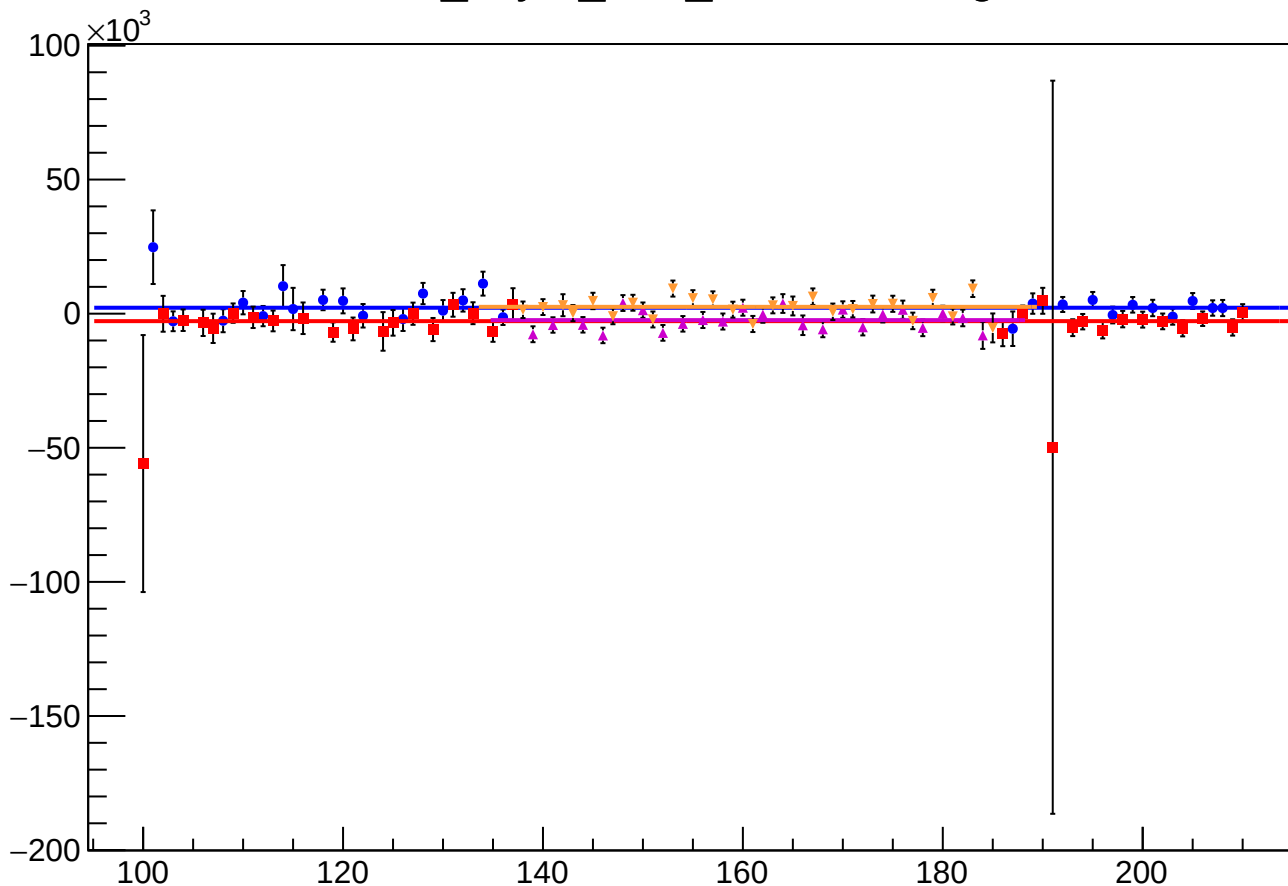
Left In: 770.799 $\pm$ 0.130 χ^2 /NDF:1076291.1/22

+ sign 749.425 $\pm$ 0.096 χ^2 /NDF: 7472052.0/51

All: 742.566 $\pm$ 0.067 χ^2 /NDF: 17065267.8/10

- sign 735.942 $\pm$ 0.094 χ^2 /NDF: 9583090.9/55

dit_asym_atr1_mean vs Slug



Right In: 2213.538 ± 710.599 χ^2/NDF : 23.5/26

Left Out: 2545.043 ± 622.236 χ^2/NDF : 31.9/24

Right Out: -2786.431 ± 668.833 χ^2/NDF : 18.9/32

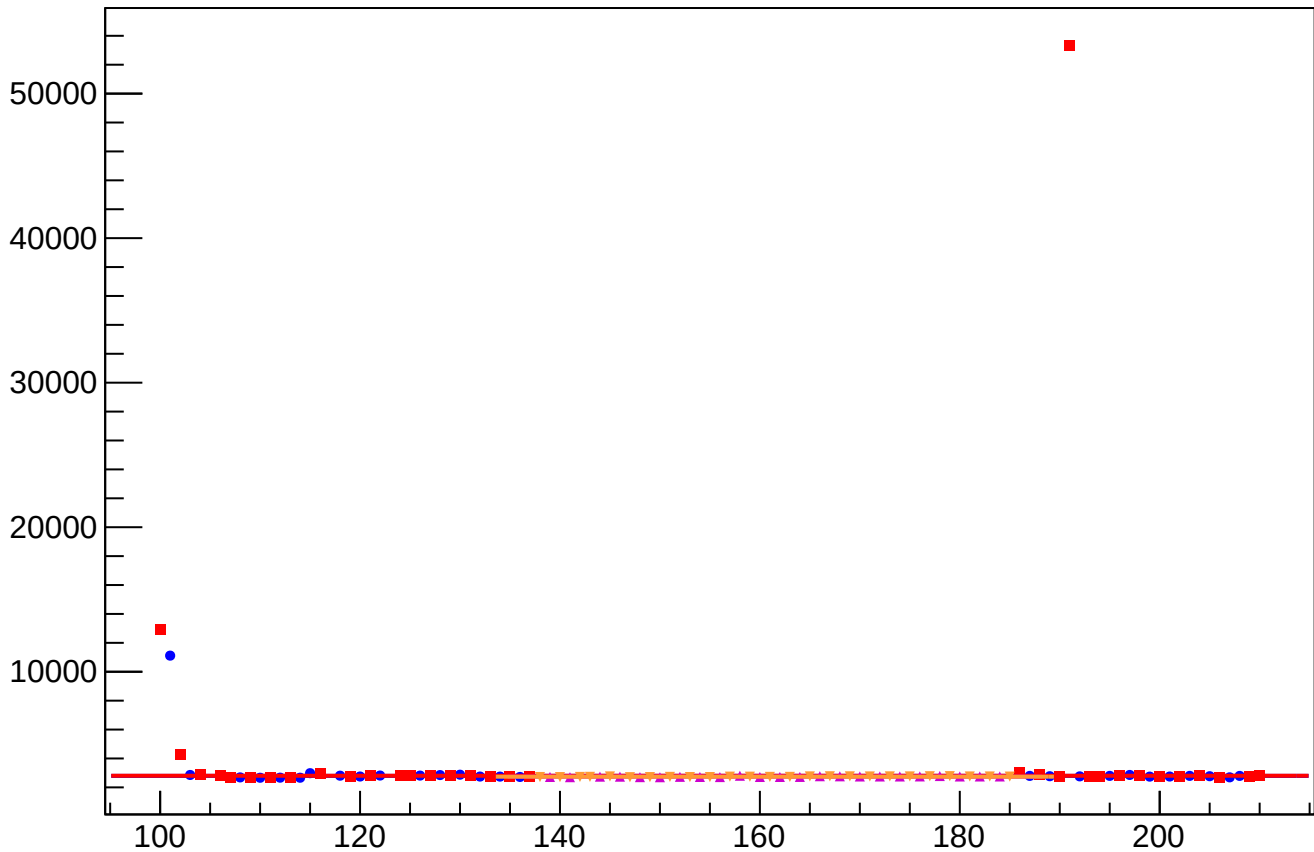
Left In: -2406.858 ± 640.084 χ^2/NDF : 31.8/22

+ sign 2401.172 ± 468.129 χ^2/NDF : 55.6/51

All: -124.087 ± 328.987 χ^2/NDF : 164.0/107

- sign -2588.312 ± 462.437 χ^2/NDF : 50.9/55

dit_asym_atr1_rms vs Slug



Right In: 2794.964+/-0.502 χ^2/NDF : 750079.6/26

Left Out: 2739.304+/-0.440 χ^2/NDF : 2322.3/24

Right Out: 2804.348+/-0.473 χ^2/NDF : 534946.1/32

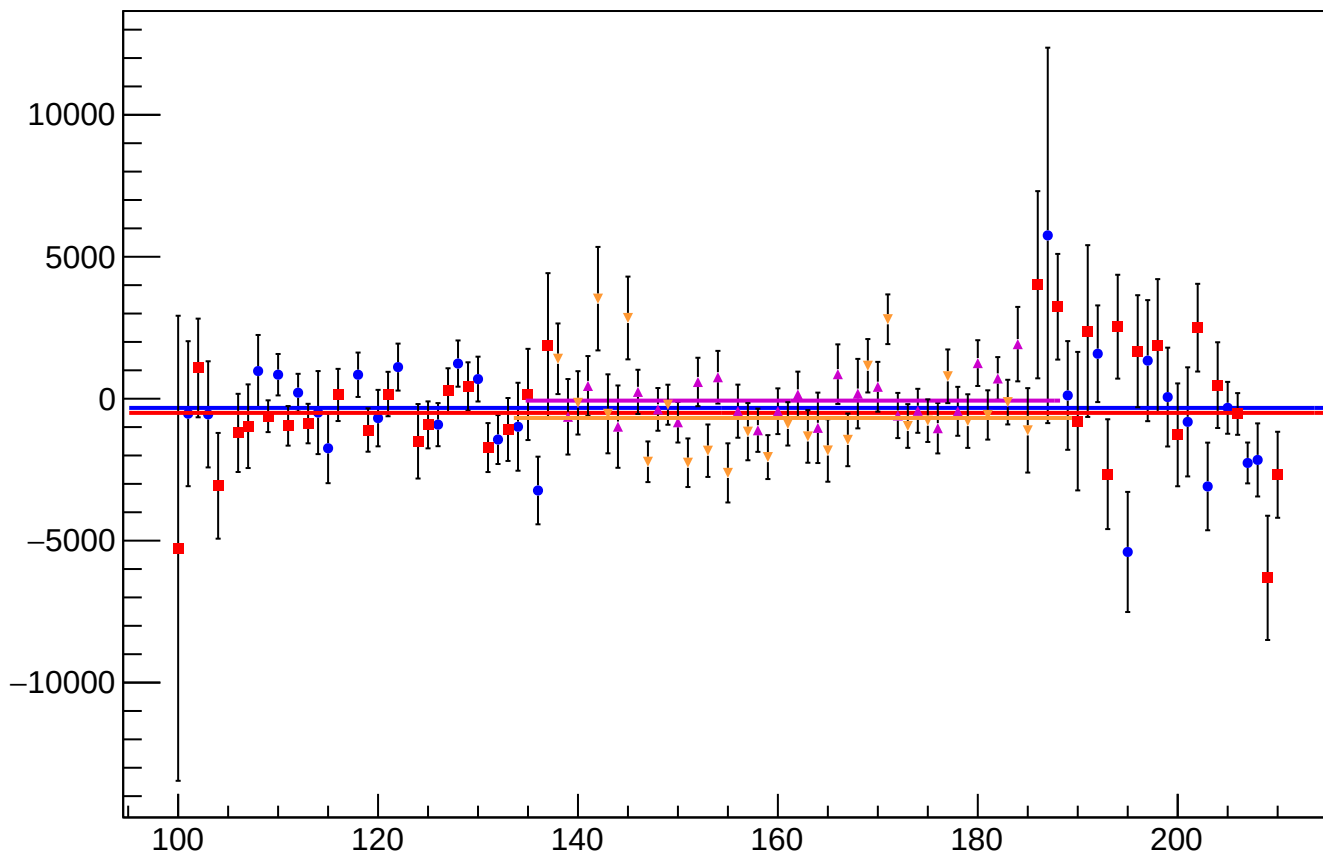
Left In: 2741.391+/-0.453 χ^2/NDF : 3369.6/22

+ sign 2763.460+/-0.331 χ^2/NDF : 759347.2/51

All: 2767.523+/-0.233 χ^2/NDF : 1307210.1/100

- sign 2771.487+/-0.327 χ^2/NDF : 547565.3/55

asym_atr1_dit_correction_mean vs Slug



Right In: -323.958 ± 205.959 $\chi^2/\text{NDF}: 45.9/26$

Left Out: -678.226 ± 185.004 $\chi^2/\text{NDF}: 56.2/24$

Right Out: -499.543 ± 194.113 $\chi^2/\text{NDF}: 39.0/32$

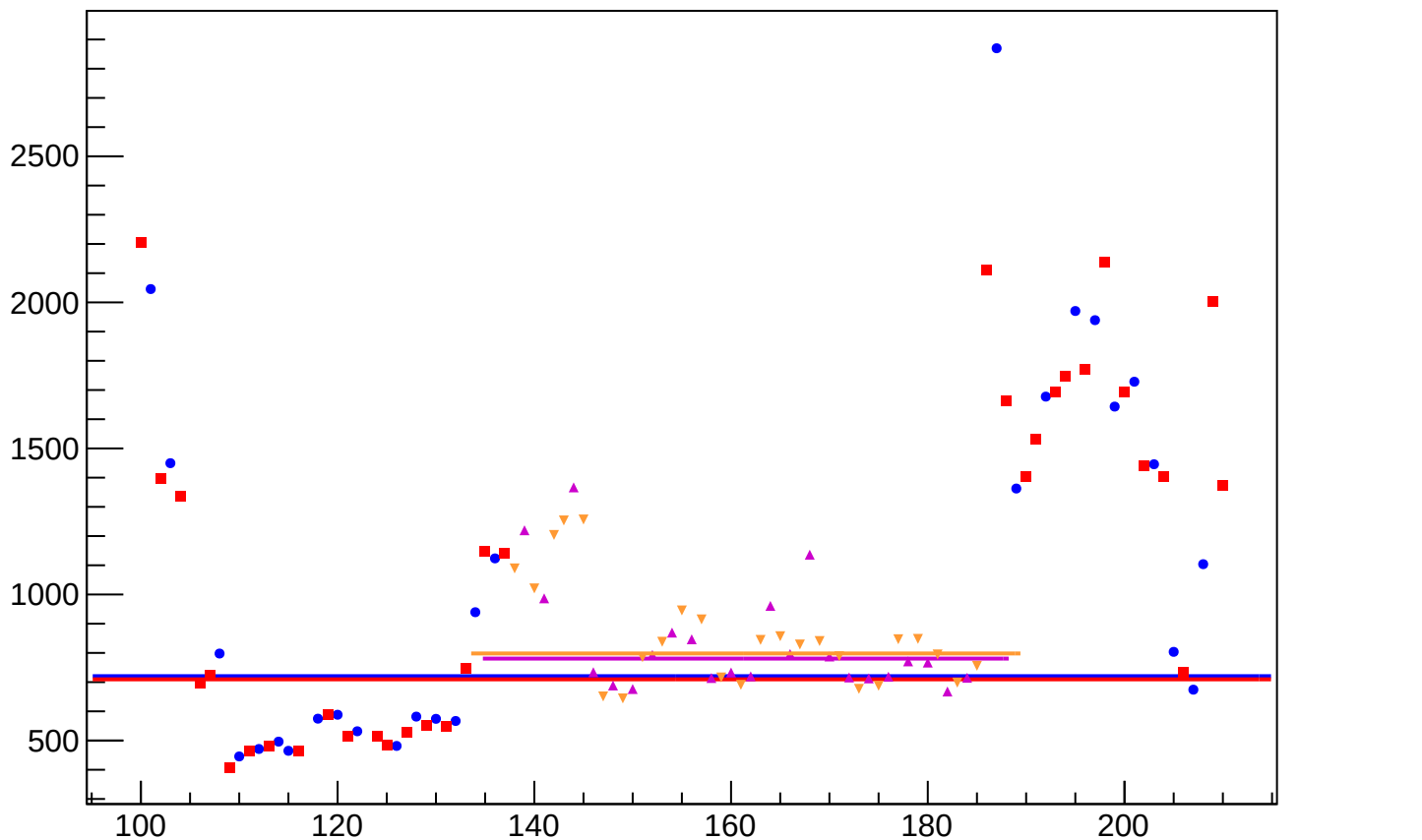
Left In: -67.156 ± 185.436 $\chi^2/\text{NDF}: 15.8/22$

+ sign -520.025 ± 137.632 $\chi^2/\text{NDF}: 103.7/51$

All: -393.530 ± 96.042 $\chi^2/\text{NDF}: 162.8/107$

- sign -273.469 ± 134.086 $\chi^2/\text{NDF}: 57.4/55$

asym_atr1_dit_correction_rms vs Slug



Right In: 720.355+/-0.146 χ^2/NDF : 6587841.5/26

Left Out: 798.091+/-0.131 χ^2/NDF :1168352.1/24

Right Out: 709.515+/-0.137 χ^2/NDF : 8832410.9/32

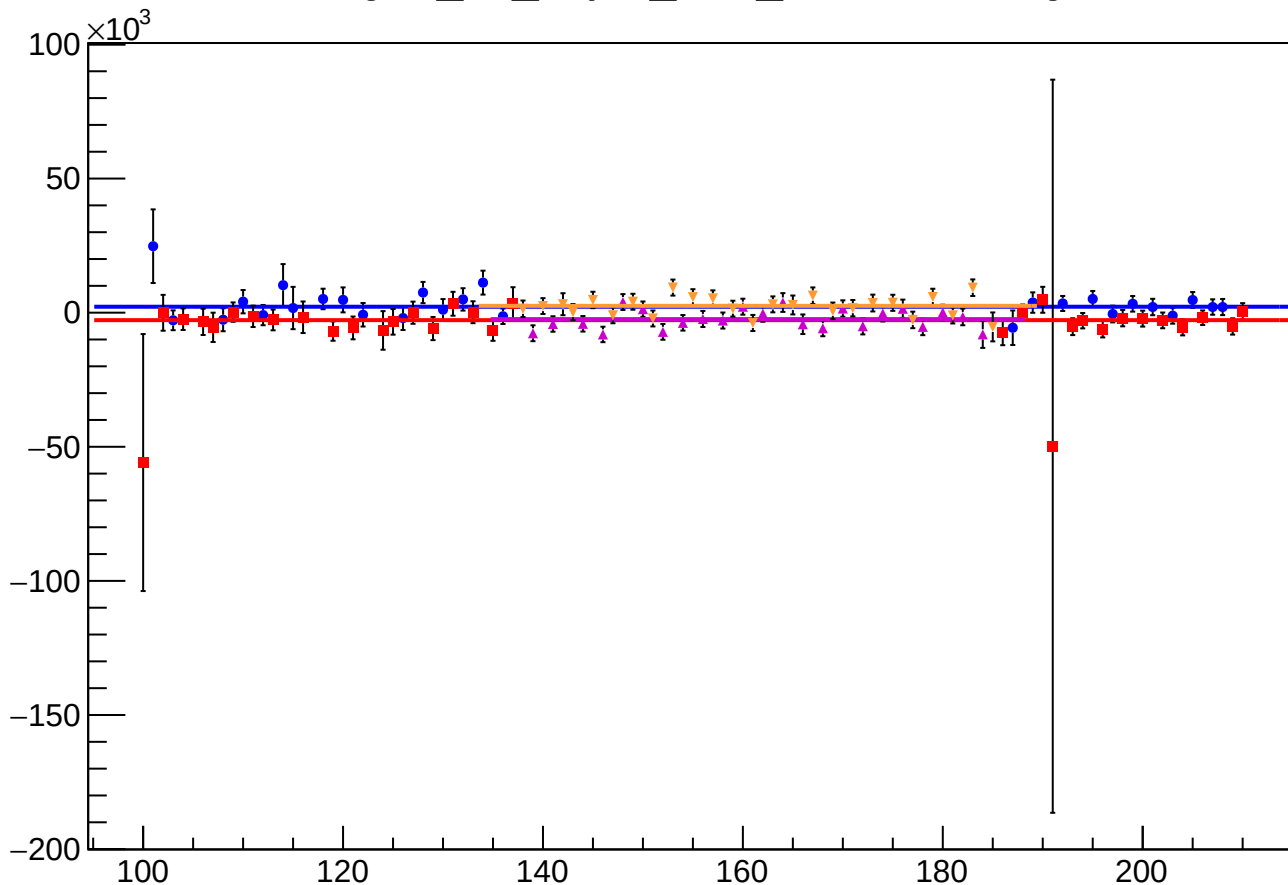
Left In: 780.525+/-0.131 χ^2/NDF :1064827.5/22

+ sign 763.377+/-0.097 χ^2/NDF : 7913881.2/51

All: 754.792+/-0.068 χ^2/NDF : 17966226.7/10

- sign 746.643+/-0.095 χ^2/NDF : 10037176.1/55

eigen_dit_asym_atr1_mean vs Slug



Right In: 2213.538 $\pm$ 710.599 χ^2 /NDF: 23.5/26

Left Out: 2545.044 $\pm$ 622.236 χ^2 /NDF:31.9/24

Right Out: -2786.428 $\pm$ 668.833 χ^2 /NDF: 18.9/32

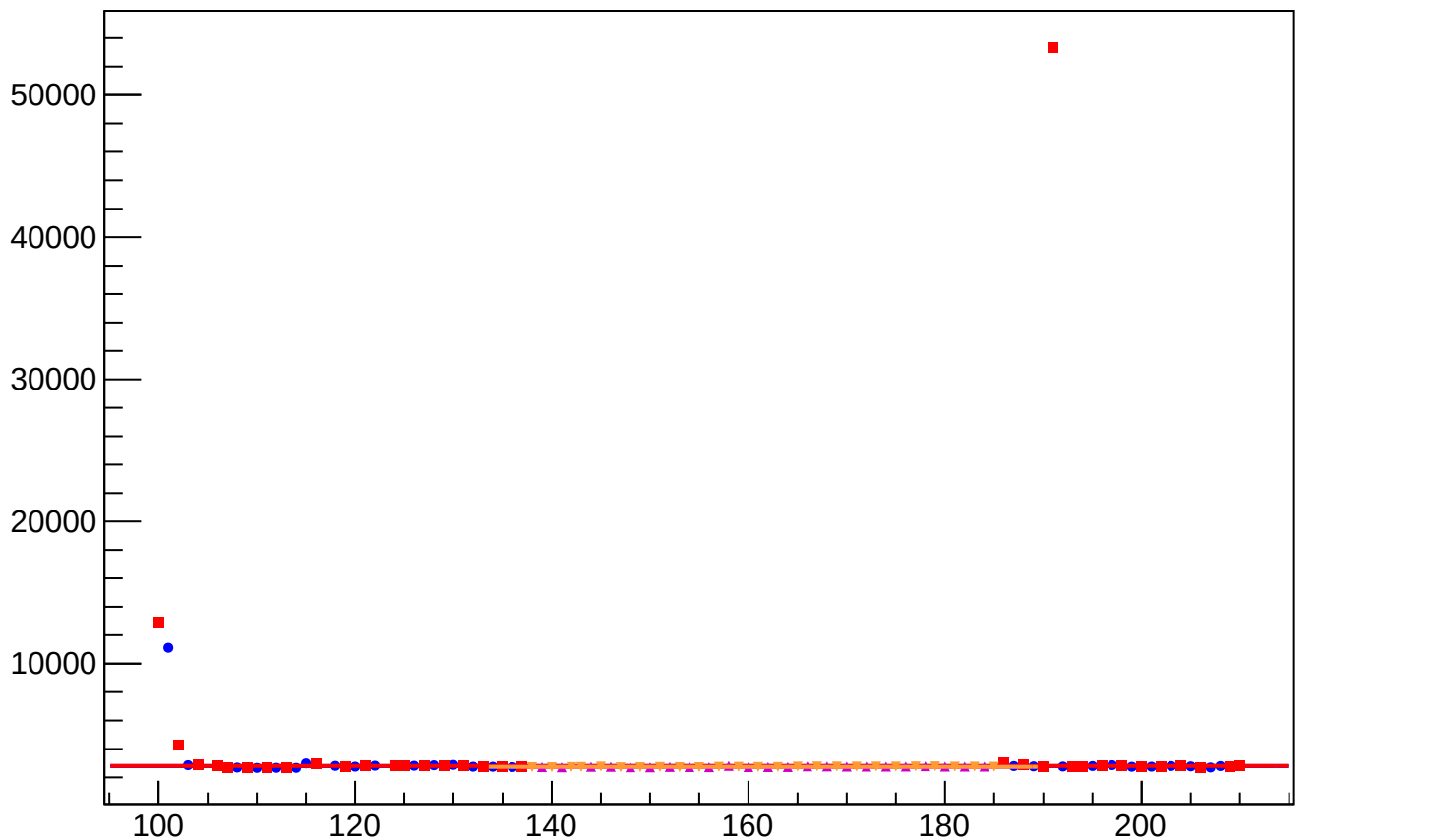
Left In: -2406.858 $\pm$ 640.084 χ^2 /NDF:31.8/22

+ sign 2401.173 $\pm$ 468.129 χ^2 /NDF: 55.6/51

All: -124.087 $\pm$ 328.987 χ^2 /NDF: 164.0/107

- sign -2588.310 $\pm$ 462.437 χ^2 /NDF: 50.9/55

eigen_dit_asym_atr1_rms vs Slug



Right In: 2794.964 $\pm$ 0.502 χ^2 /NDF: 750079.6/26

Left Out: 2739.304 $\pm$ 0.440 χ^2 /NDF: 2322.3/24

Right Out: 2804.348 $\pm$ 0.473 χ^2 /NDF: 534945.9/32

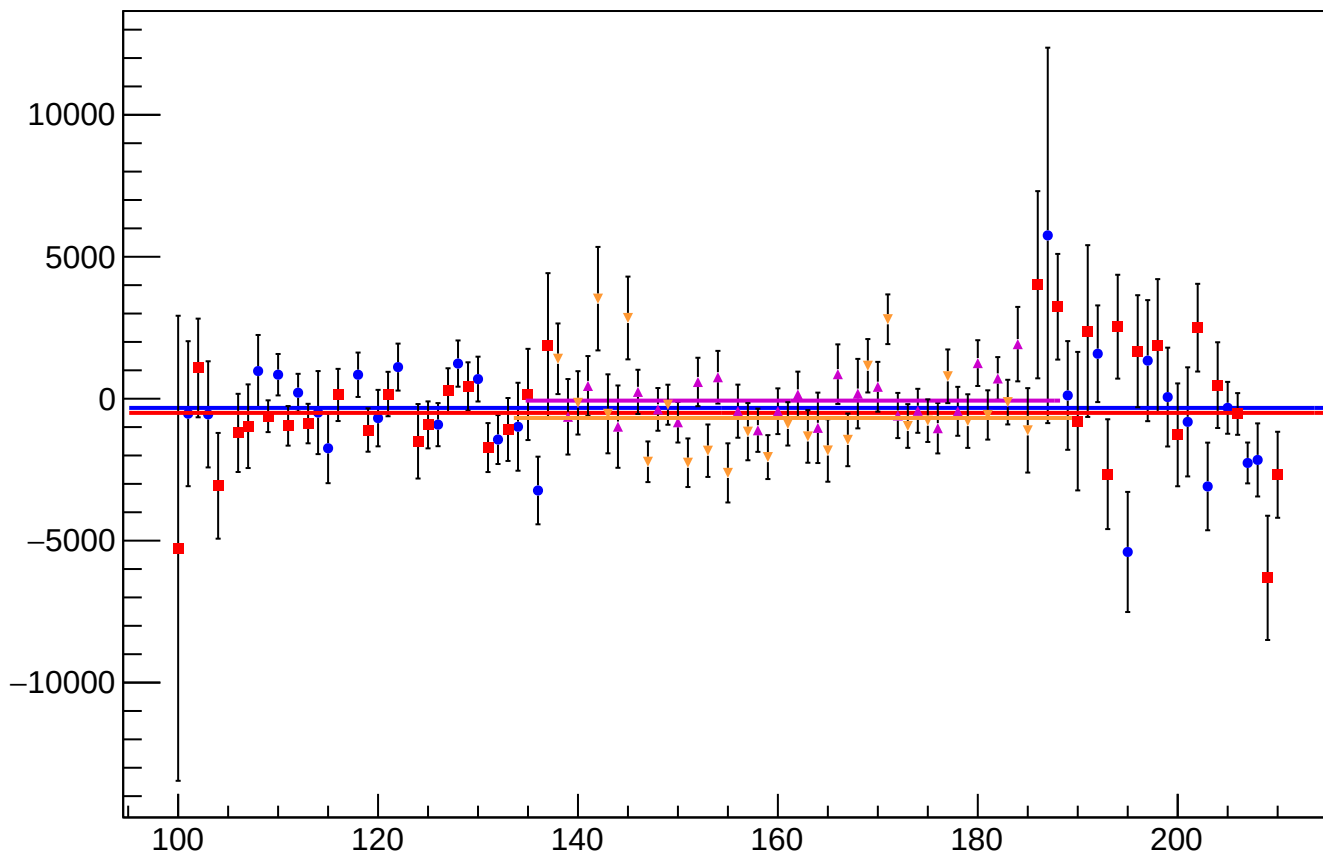
Left In: 2741.391 $\pm$ 0.453 χ^2 /NDF: 3369.6/22

+ sign 2763.460 $\pm$ 0.331 χ^2 /NDF: 759347.1/51

All: 2767.523 $\pm$ 0.233 χ^2 /NDF: 1307209.8/10

- sign 2771.487 $\pm$ 0.327 χ^2 /NDF: 547565.1/55

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -323.958 ± 205.959 $\chi^2/\text{NDF}: 45.9/26$

Left Out: -678.227 ± 185.004 $\chi^2/\text{NDF}: 56.2/24$

Right Out: -499.542 ± 194.114 $\chi^2/\text{NDF}: 39.0/32$

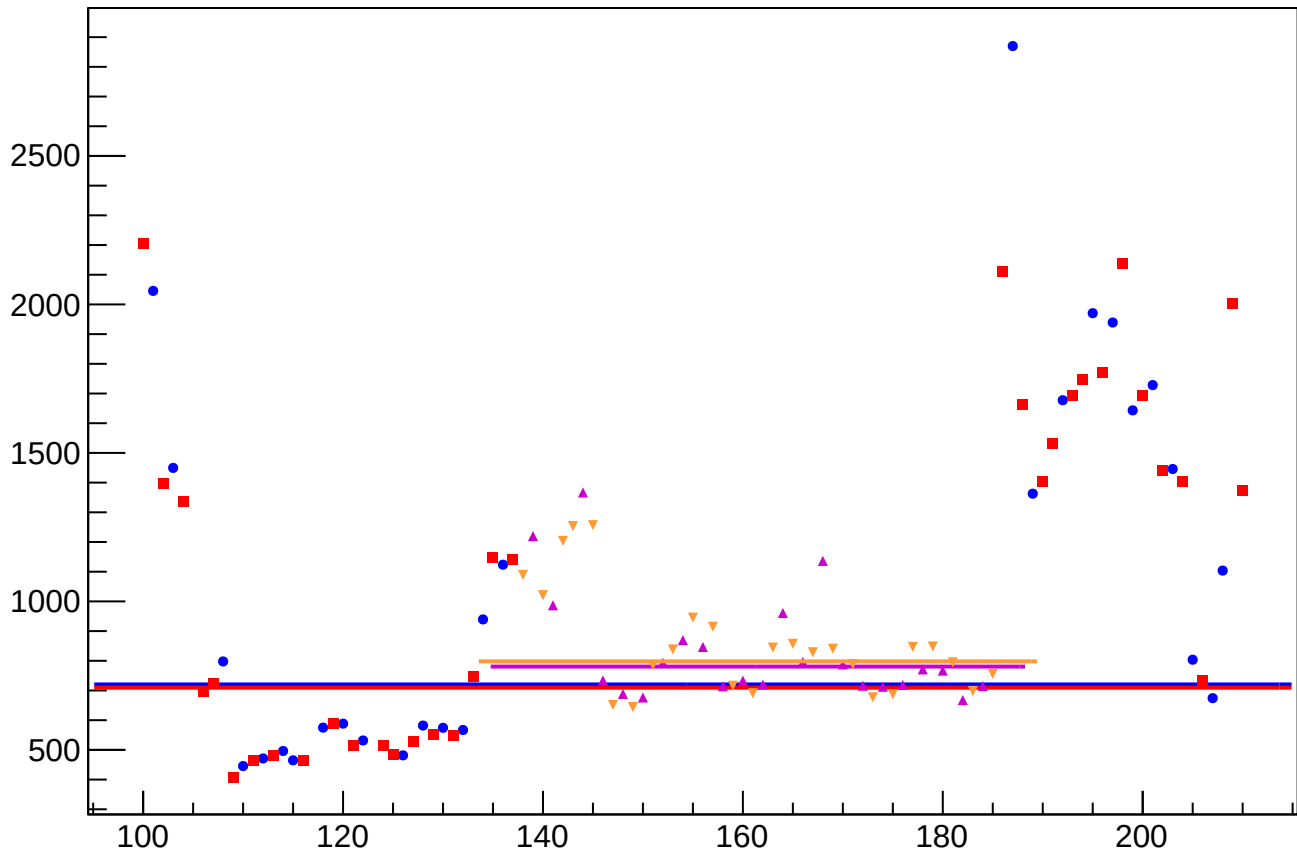
Left In: -67.157 ± 185.436 $\chi^2/\text{NDF}: 15.8/22$

+ sign -520.026 ± 137.632 $\chi^2/\text{NDF}: 103.7/51$

All: -393.530 ± 96.042 $\chi^2/\text{NDF}: 162.8/107$

- sign -273.469 ± 134.086 $\chi^2/\text{NDF}: 57.4/55$

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 720.355 ± 0.146 $\chi^2/\text{NDF}: 6587839.3/26$

Left Out: 798.092 ± 0.131 $\chi^2/\text{NDF}: 1168353.9/24$

Right Out: 709.516 ± 0.137 $\chi^2/\text{NDF}: 8832419.1/32$

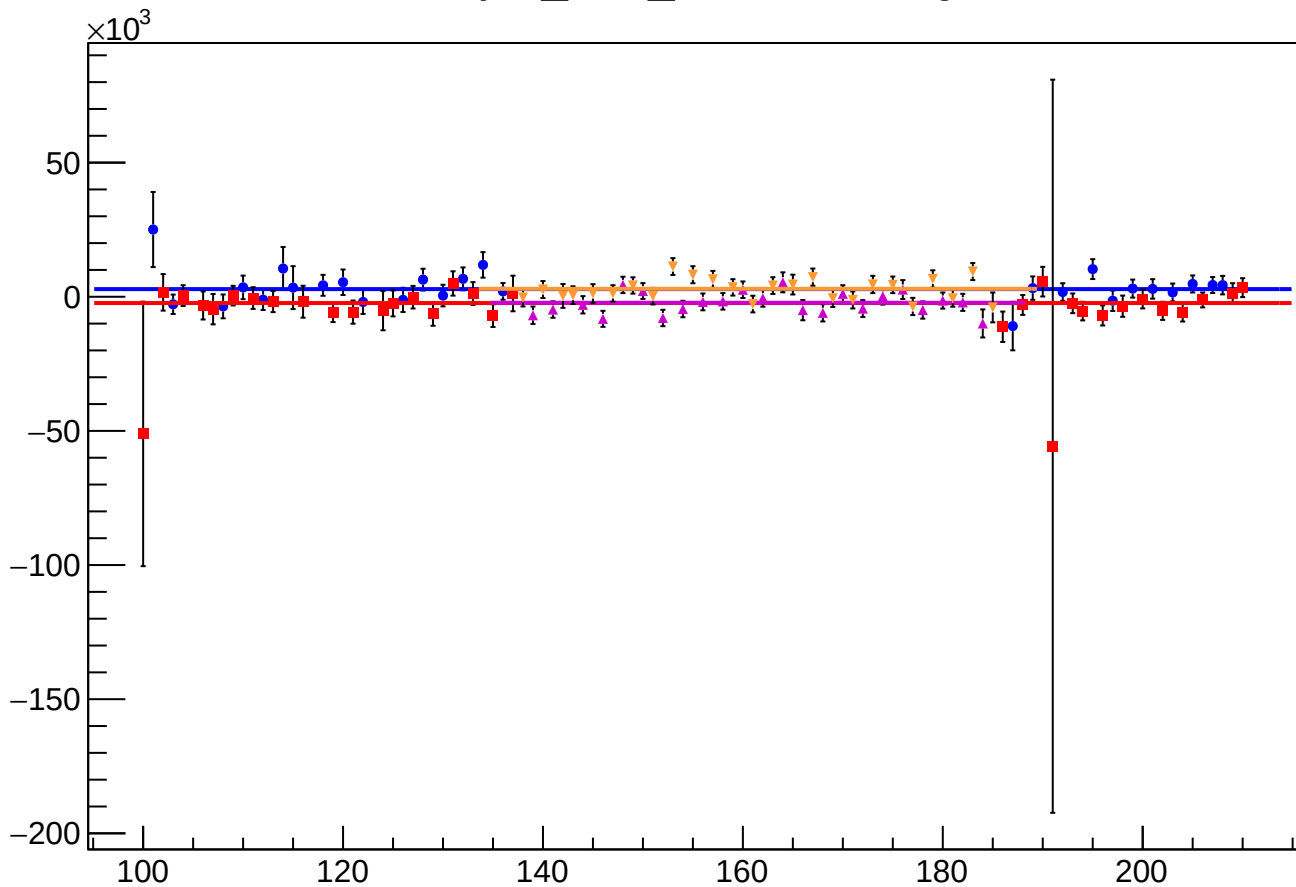
Left In: 780.525 ± 0.131 $\chi^2/\text{NDF}: 1064830.7/22$

+ sign 763.378 ± 0.097 $\chi^2/\text{NDF}: 7913878.9/51$

All: 754.792 ± 0.068 $\chi^2/\text{NDF}: 17966234.8/100$

- sign 746.643 ± 0.095 $\chi^2/\text{NDF}: 10037186.0/55$

asym_atr1_mean vs Slug



Right In: 2850.146 $\pm$ 774.431 χ^2 /NDF: 25.8/26

Left Out: 2969.337 $\pm$ 653.286 χ^2 /NDF:35.7/24

Right Out: -2341.103 $\pm$ 738.190 χ^2 /NDF: 23.3/32

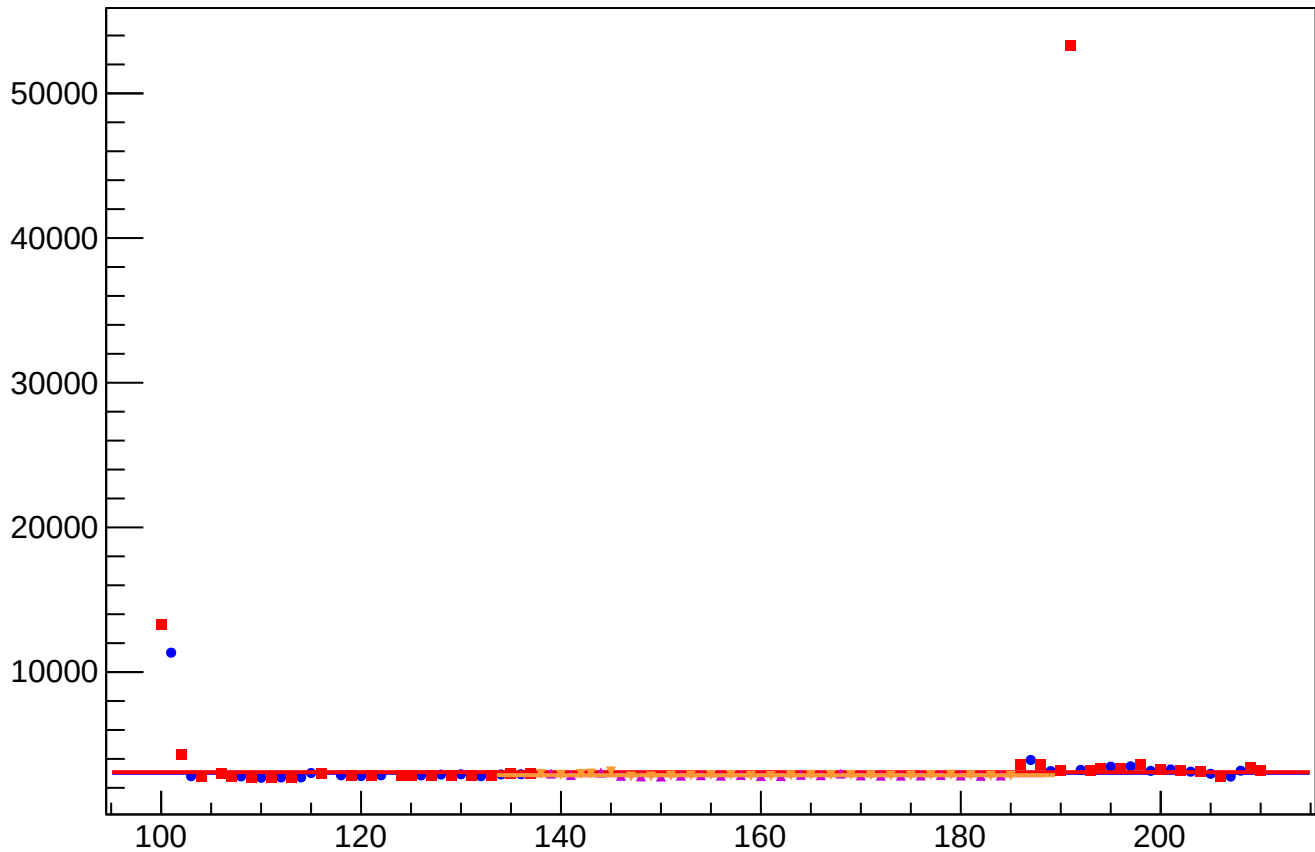
Left In: -2237.495 $\pm$ 670.327 χ^2 /NDF:33.8/22

+ sign 2919.783 $\pm$ 499.346 χ^2 /NDF: 61.5/51

All: 301.574 $\pm$ 351.993 χ^2 /NDF: 173.2/107

- sign -2284.319 $\pm$ 496.254 χ^2 /NDF: 57.1/55

asym_atr1_rms vs Slug



Right In: 3036.401+/-0.548 χ^2/NDF : 887273.0/26

Left Out: 2874.933+/-0.462 χ^2/NDF : 21788.8/24

Right Out: 3080.688+/-0.522 χ^2/NDF : 754133.5/32

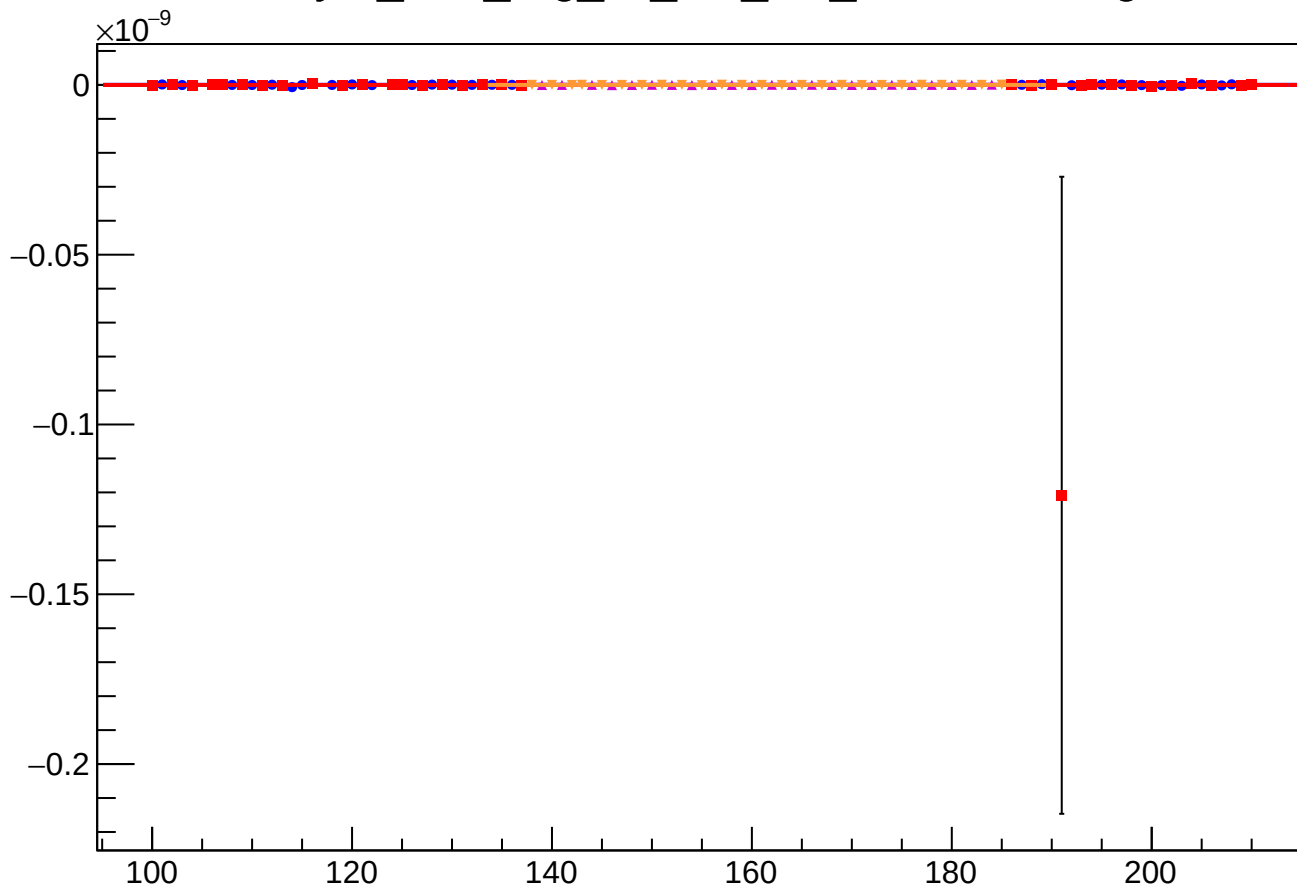
Left In: 2870.153+/-0.474 χ^2/NDF : 17687.5/22

+ sign 2942.064+/-0.353 χ^2/NDF : 959857.9/51

All: 2953.755+/-0.249 χ^2/NDF : 1823020.1/10

- sign 2965.301+/-0.351 χ^2/NDF : 860983.3/55

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 23.6/26

Left Out: 0.000+/-0.000 χ^2/NDF : 14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF : 41.5/32

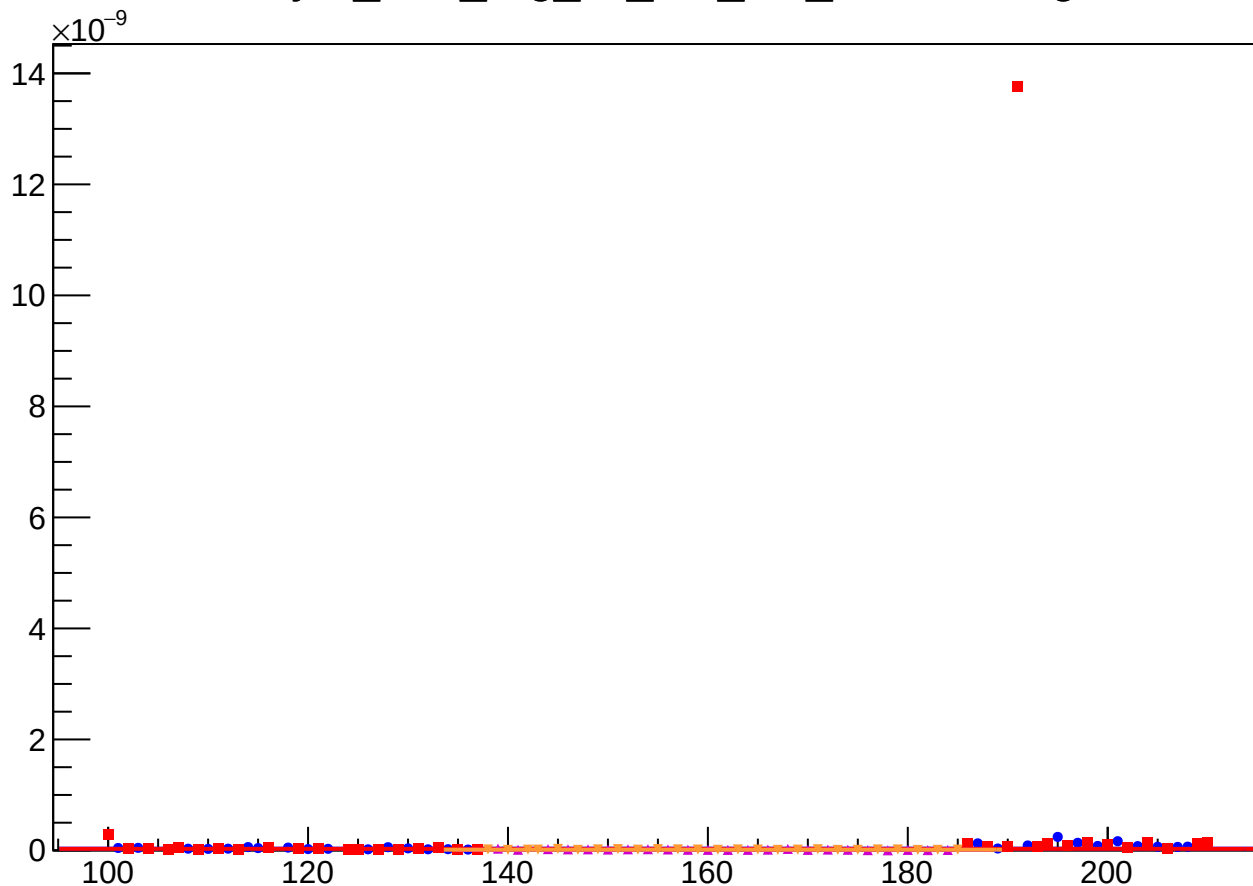
Left In: 0.000+/-0.000 χ^2/NDF : 27.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 39.1/51

All: 0.000+/-0.000 χ^2/NDF : 110.0/107

- sign 0.000+/-0.000 χ^2/NDF : 70.8/55

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4019324.1/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4519670.1/32

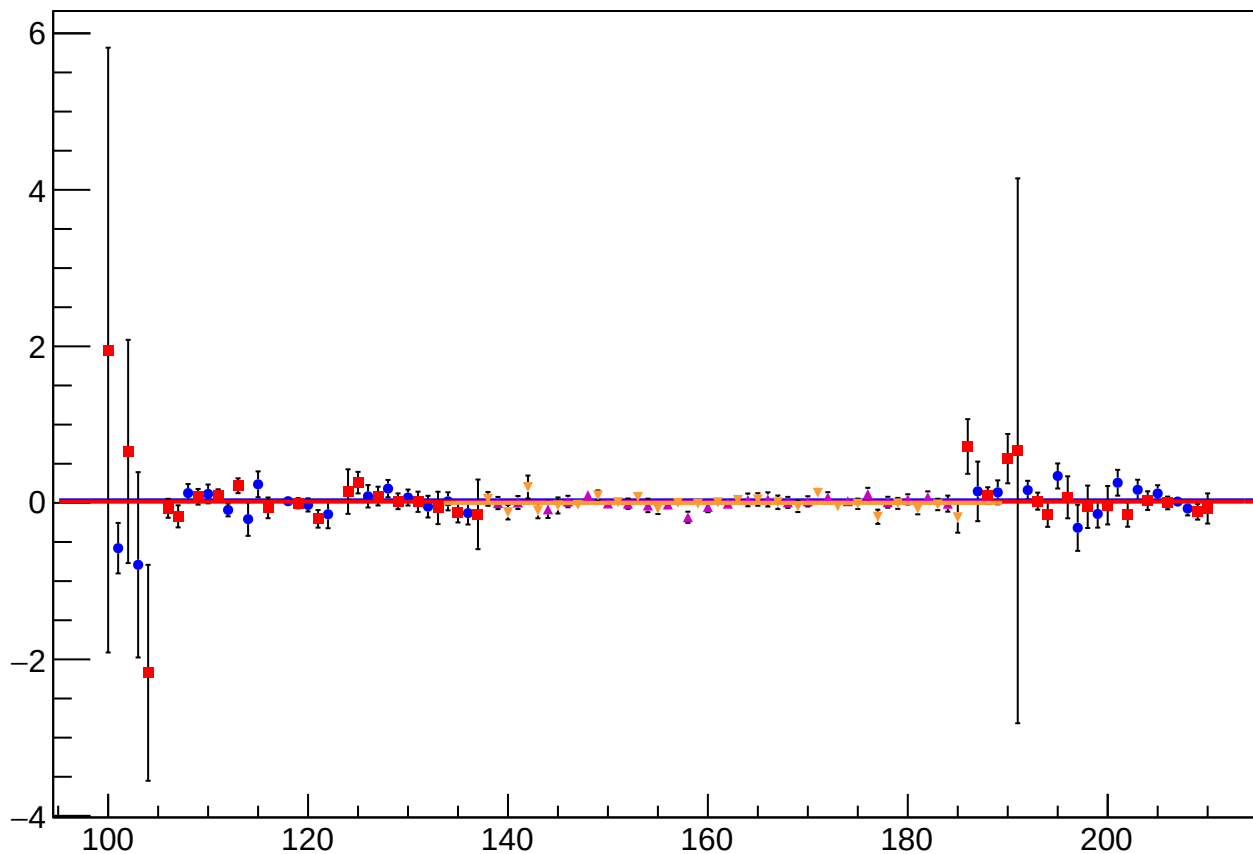
Left In: 0.000+/-0.000 χ^2/NDF : 3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 7662964.0/51

All: 0.000+/-0.000 χ^2/NDF : 18413006.1/107

- sign 0.000+/-0.000 χ^2/NDF : 10465477.3/55

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.033 $\pm$ 0.022 χ^2 /NDF: 28.5/26

Left Out: -0.000 $\pm$ 0.014 χ^2 /NDF:22.6/24

Right Out: 0.015 $\pm$ 0.023 χ^2 /NDF: 32.8/32

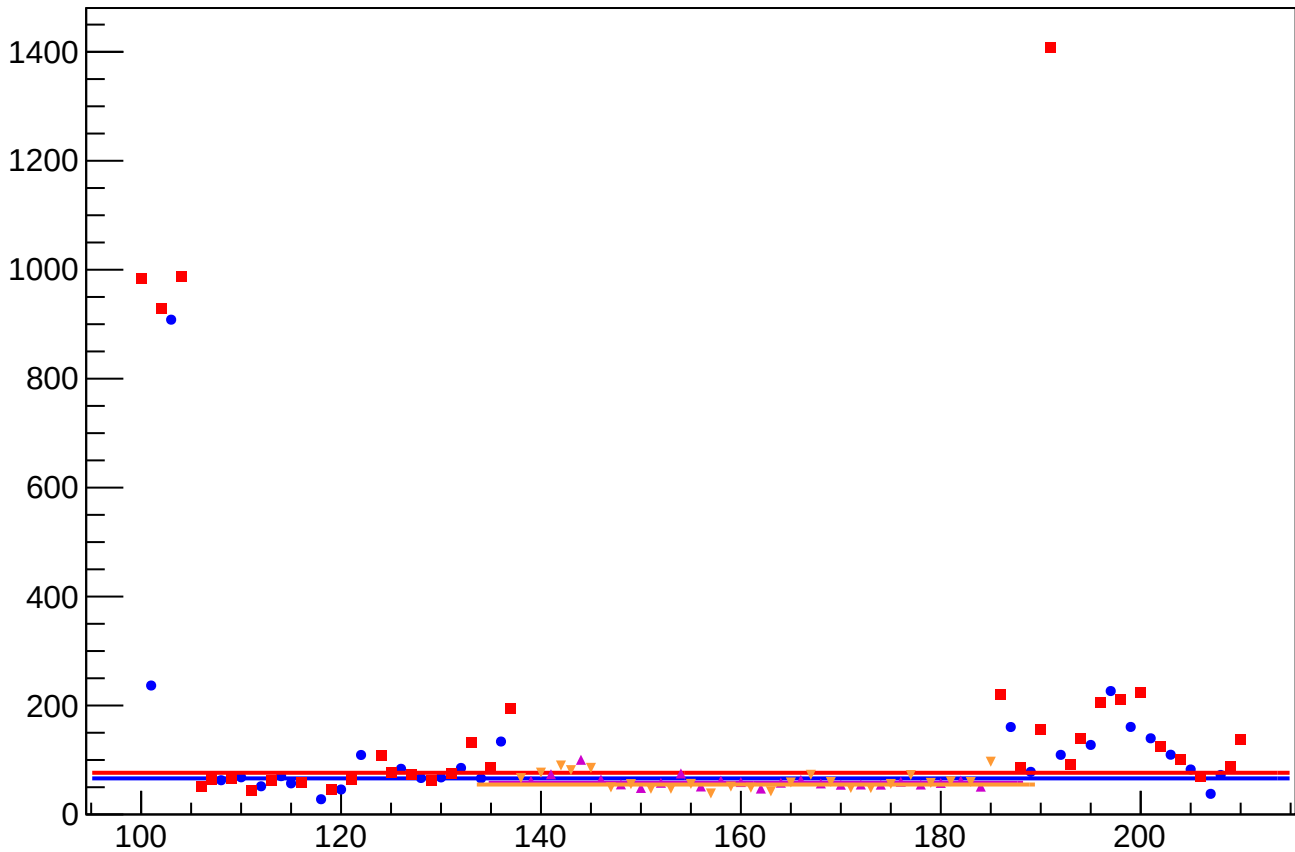
Left In: 0.008 $\pm$ 0.015 χ^2 /NDF:15.5/22

+ sign 0.009 $\pm$ 0.012 χ^2 /NDF: 52.7/51

All: 0.010 $\pm$ 0.009 χ^2 /NDF: 101.0/107

- sign 0.010 $\pm$ 0.012 χ^2 /NDF: 48.3/55

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 66.202 $\pm$ 0.015 χ^2 /NDF: 6485174.8/26

Left Out: 54.931 $\pm$ 0.010 χ^2 /NDF: 1297647.2/24

Right Out: 76.499 $\pm$ 0.016 χ^2 /NDF: 6471535.2/32

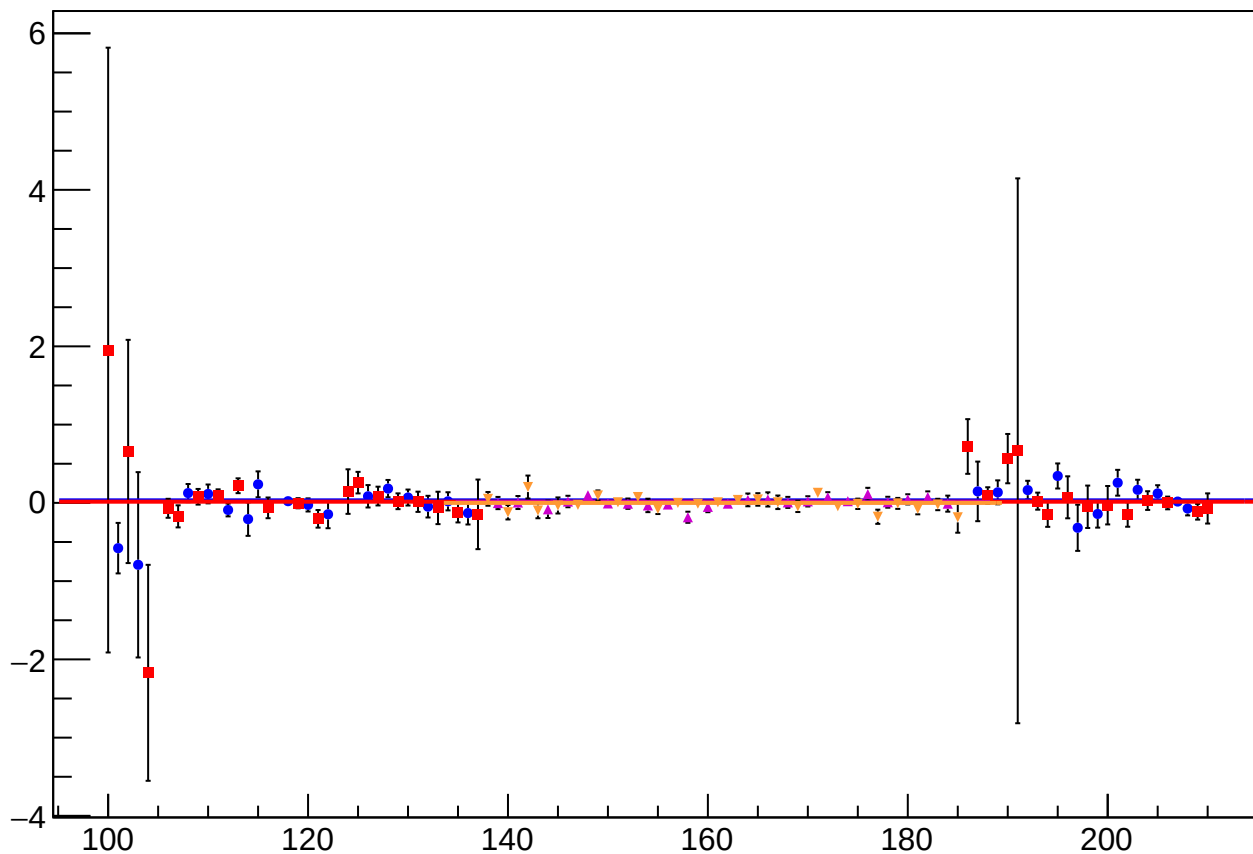
Left In: 58.138 $\pm$ 0.010 χ^2 /NDF: 657436.9/22

+ sign 58.280 $\pm$ 0.008 χ^2 /NDF: 8162862.8/51

All: 60.818 $\pm$ 0.006 χ^2 /NDF: 16401388.1/107

- sign 63.624 $\pm$ 0.009 χ^2 /NDF: 8044231.9/55

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033 ± 0.022 χ^2/NDF : 28.5/26

Left Out: -0.000 ± 0.014 χ^2/NDF : 22.6/24

Right Out: 0.015 ± 0.023 χ^2/NDF : 32.8/32

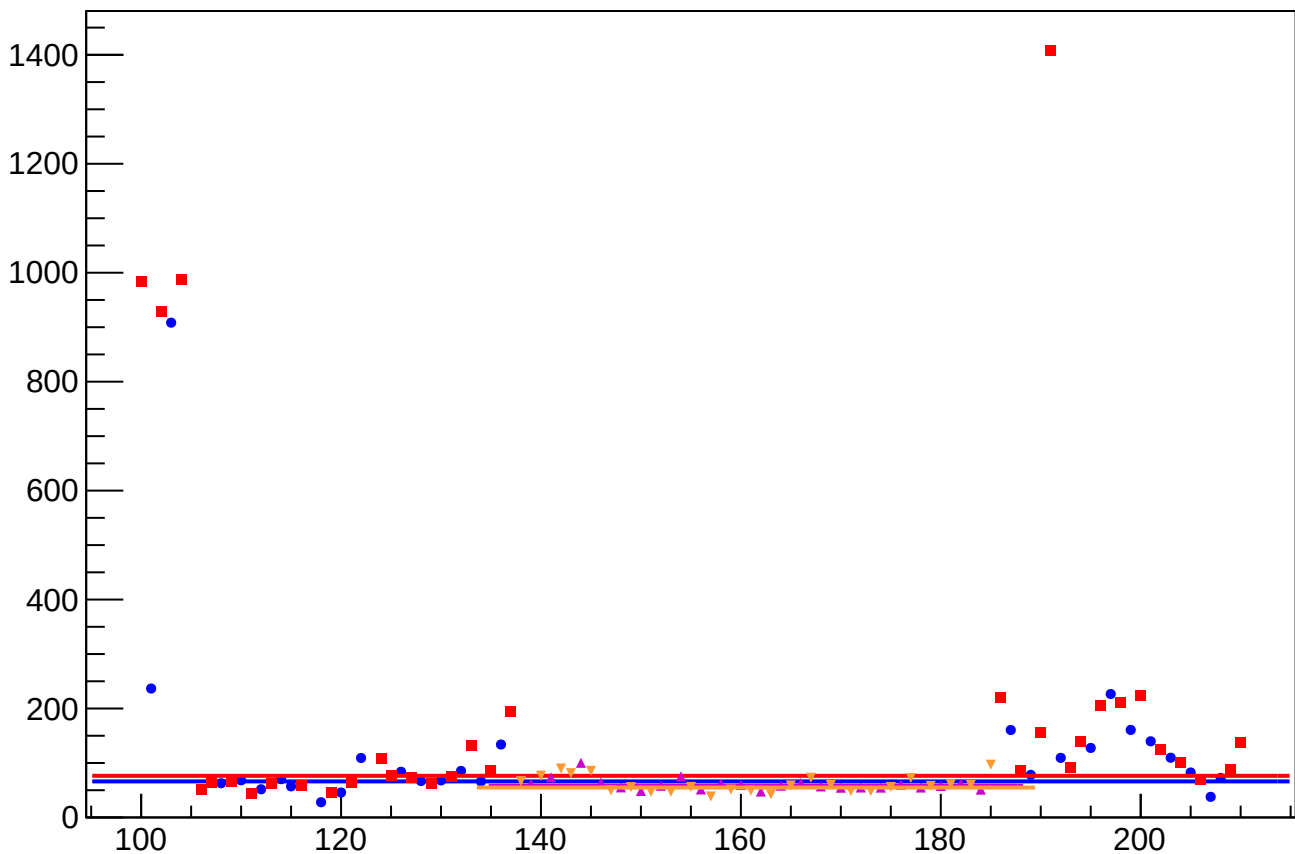
Left In: 0.008 ± 0.015 χ^2/NDF : 15.5/22

+ sign 0.009 ± 0.012 χ^2/NDF : 52.7/51

All: 0.010 ± 0.009 χ^2/NDF : 101.0/107

- sign 0.010 ± 0.012 χ^2/NDF : 48.3/55

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.202 $\pm$ 0.015 χ^2 /NDF: 6485174.8/26

Left Out: 54.931 $\pm$ 0.010 χ^2 /NDF: 1297647.2/24

Right Out: 76.499 $\pm$ 0.016 χ^2 /NDF: 6471535.2/32

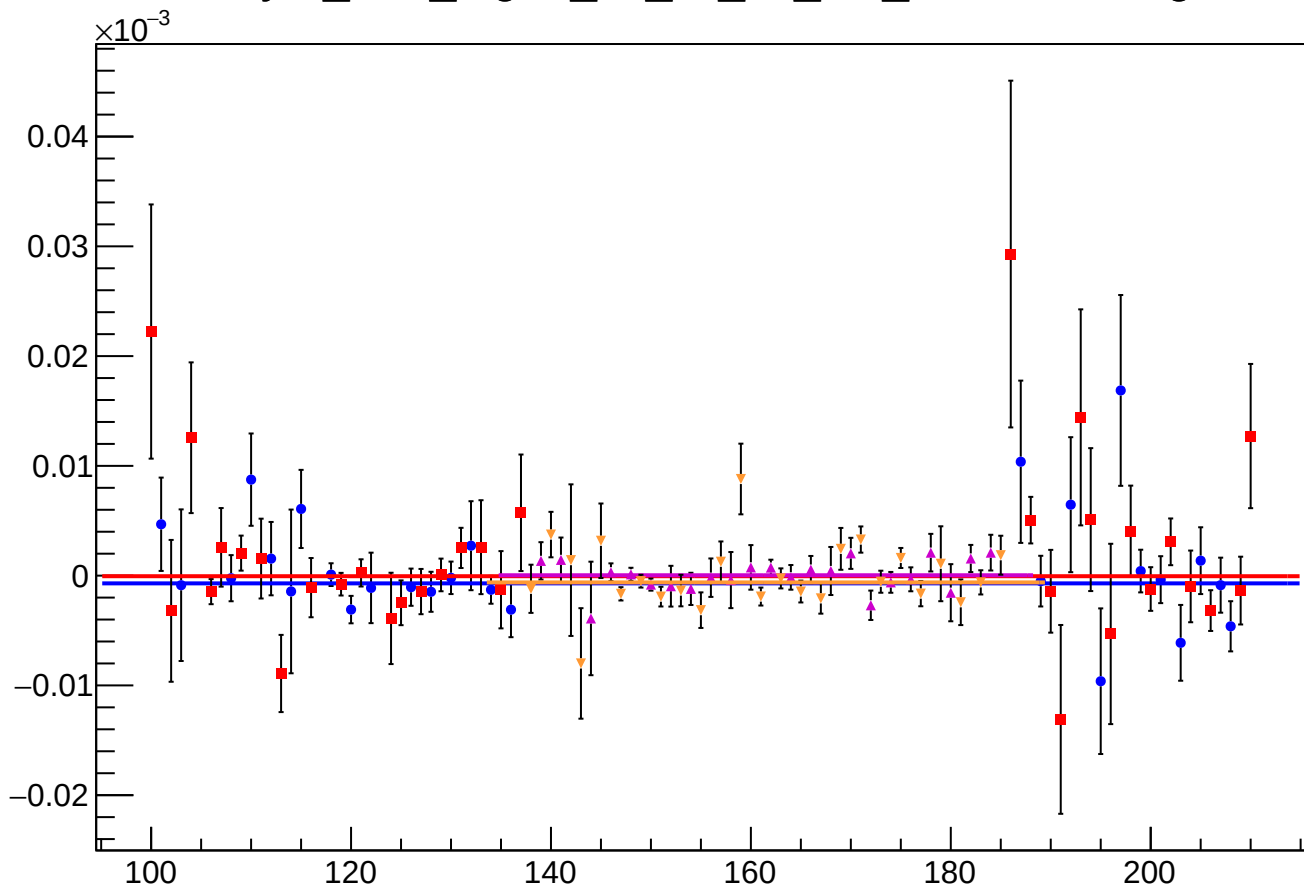
Left In: 58.138 $\pm$ 0.010 χ^2 /NDF: 657436.9/22

+ sign 58.280 $\pm$ 0.008 χ^2 /NDF: 8162862.8/51

All: 60.818 $\pm$ 0.006 χ^2 /NDF: 16401388.1/107

- sign 63.624 $\pm$ 0.009 χ^2 /NDF: 8044231.9/55

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 33.0/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 52.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 50.0/32

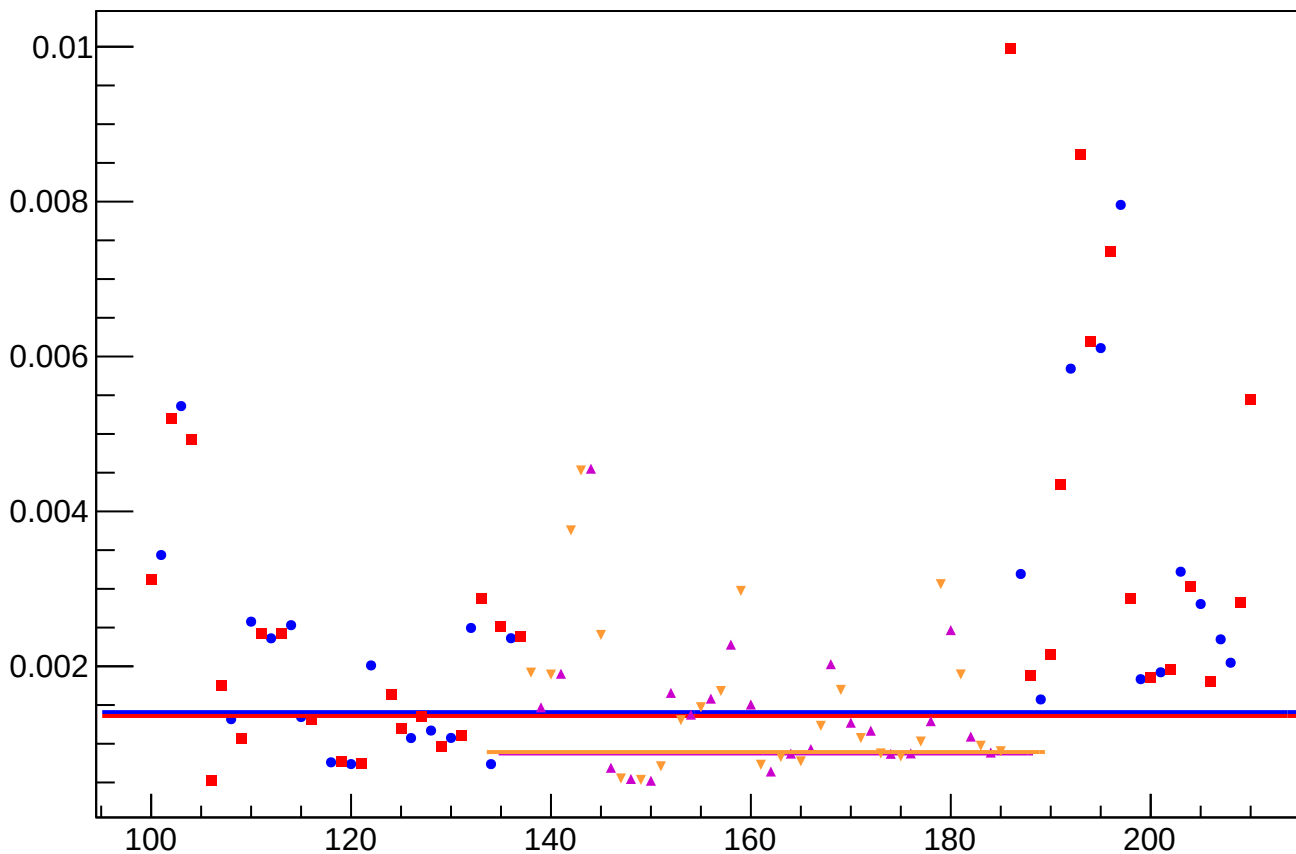
Left In: 0.000 ± 0.000 χ^2/NDF : 18.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 85.8/51

All: -0.000 ± 0.000 χ^2/NDF : 159.1/107

- sign 0.000 ± 0.000 χ^2/NDF : 68.3/55

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9043133.5/26

Left Out: 0.001+/-0.000 χ^2/NDF : 7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF : 11426042.0/32

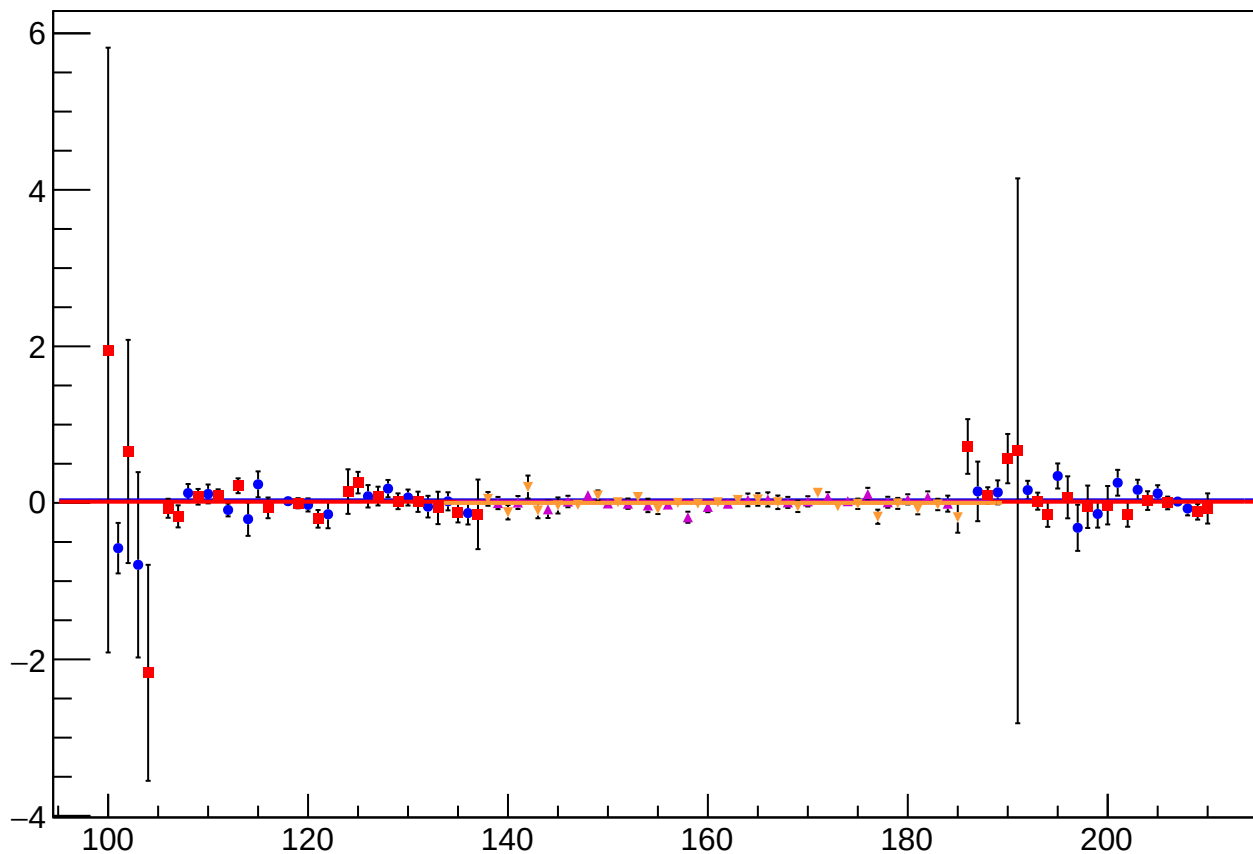
Left In: 0.001+/-0.000 χ^2/NDF : 6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF : 19018098.5/51

All: 0.001+/-0.000 χ^2/NDF : 39528549.7/107

- sign 0.001+/-0.000 χ^2/NDF : 20505742.7/55

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.033 ± 0.022 χ^2/NDF : 28.5/26

Left Out: -0.000 ± 0.014 χ^2/NDF : 22.6/24

Right Out: 0.015 ± 0.023 χ^2/NDF : 32.8/32

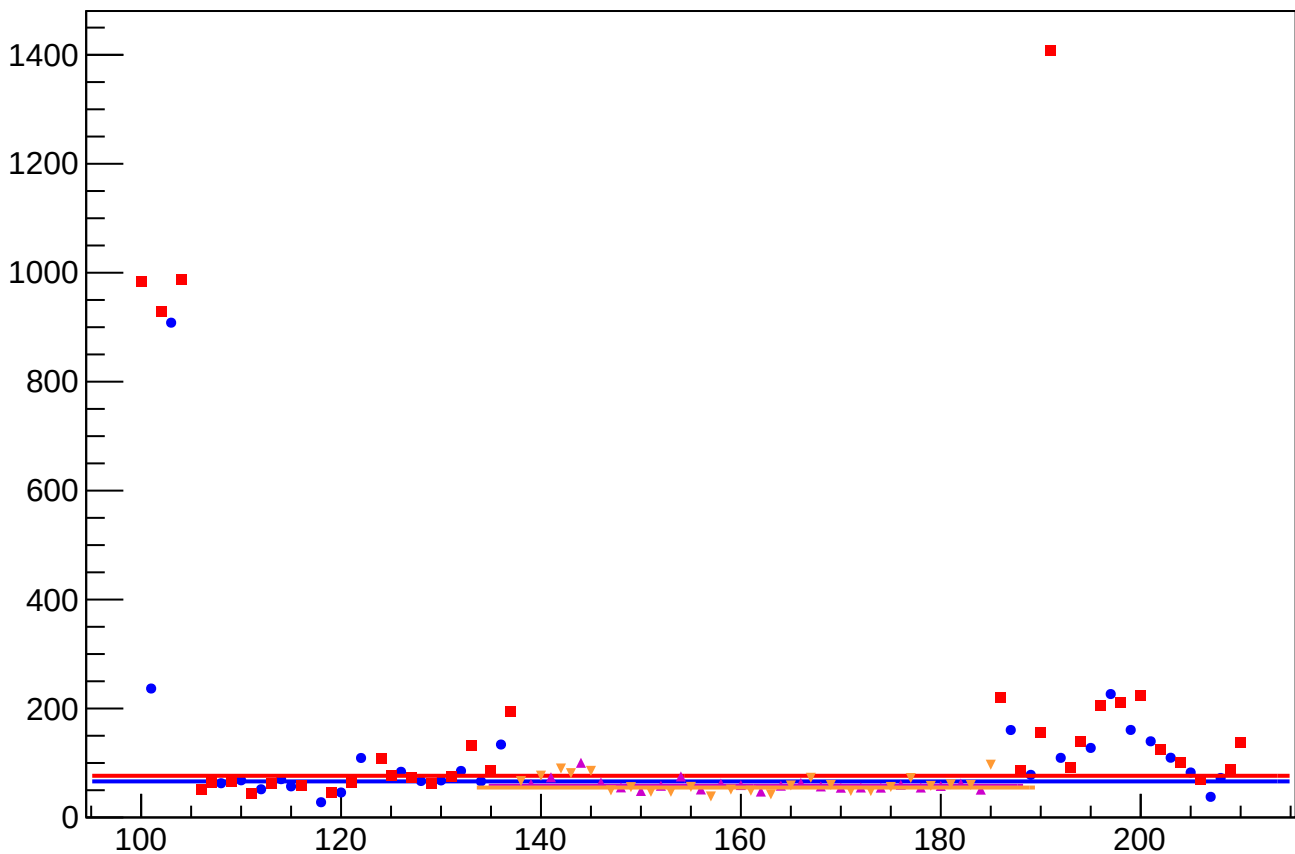
Left In: 0.008 ± 0.015 χ^2/NDF : 15.5/22

+ sign 0.009 ± 0.012 χ^2/NDF : 52.7/51

All: 0.010 ± 0.009 χ^2/NDF : 101.0/107

- sign 0.010 ± 0.012 χ^2/NDF : 48.3/55

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.201 $\pm$ 0.015 χ^2 /NDF: 6485417.2/26

Left Out: 54.930 $\pm$ 0.010 χ^2 /NDF: 1297722.9/24

Right Out: 76.499 $\pm$ 0.016 χ^2 /NDF: 6471572.6/32

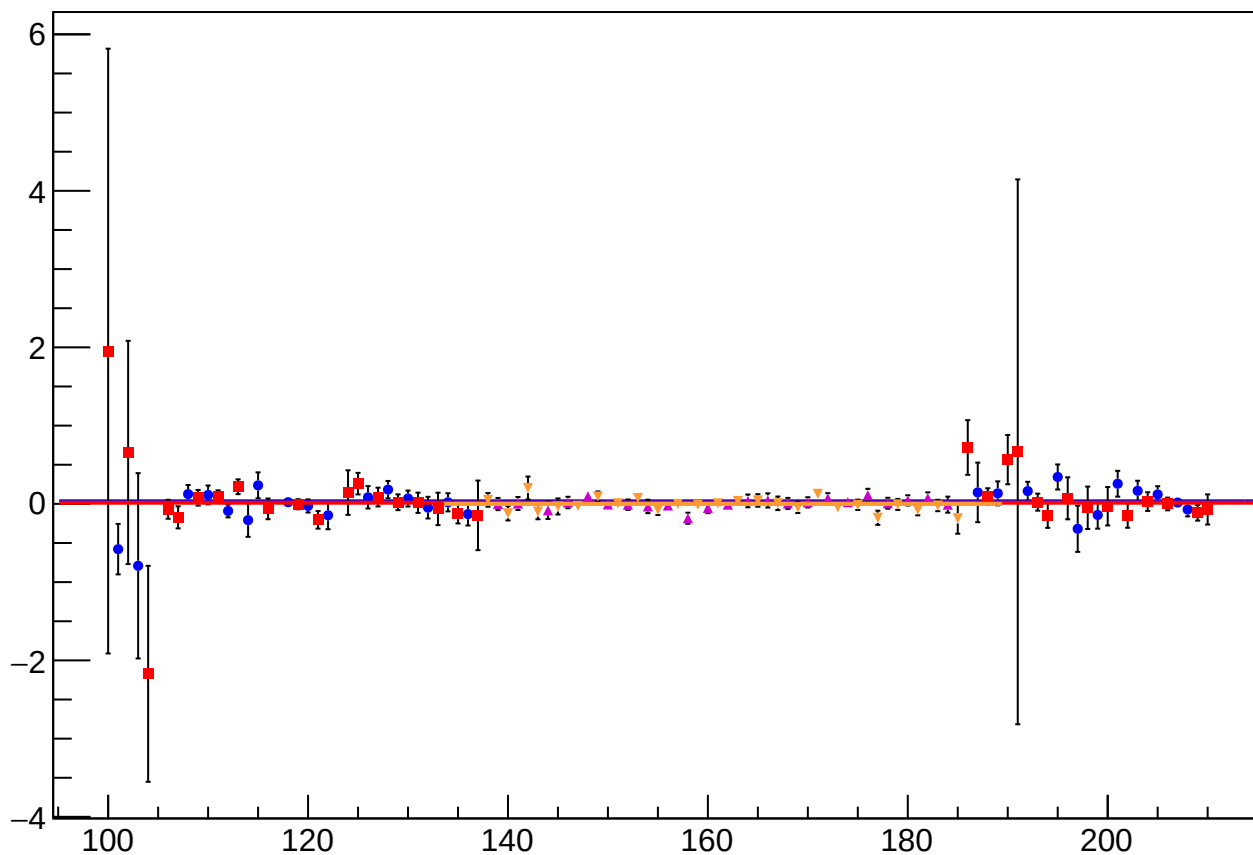
Left In: 58.138 $\pm$ 0.010 χ^2 /NDF: 657460.3/22

+ sign 58.279 $\pm$ 0.008 χ^2 /NDF: 8163136.0/51

All: 60.818 $\pm$ 0.006 χ^2 /NDF: 16401749.4/107

- sign 63.624 $\pm$ 0.009 χ^2 /NDF: 8044274.0/55

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.022 χ^2/NDF : 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF :22.6/24

Right Out: 0.015+/-0.023 χ^2/NDF : 32.8/32

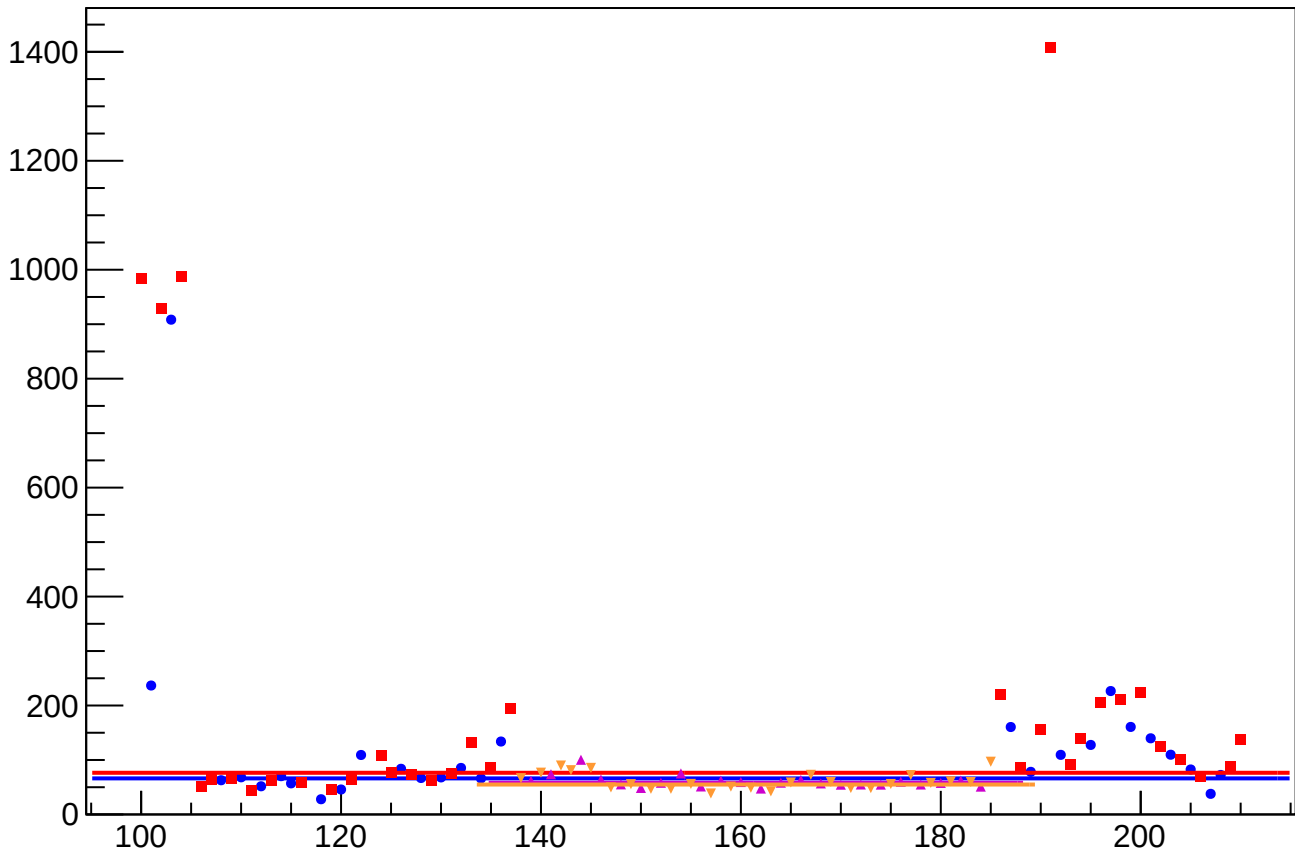
Left In: 0.008+/-0.015 χ^2/NDF :15.5/22

+ sign 0.009+/-0.012 χ^2/NDF : 52.7/51

All: 0.010+/-0.009 χ^2/NDF : 101.0/107

- sign 0.010+/-0.012 χ^2/NDF : 48.3/55

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.201 $\pm$ 0.015 χ^2/NDF : 6485417.2/26

Left Out: 54.930 $\pm$ 0.010 χ^2/NDF : 1297722.9/24

Right Out: 76.499 $\pm$ 0.016 χ^2/NDF : 6471572.6/32

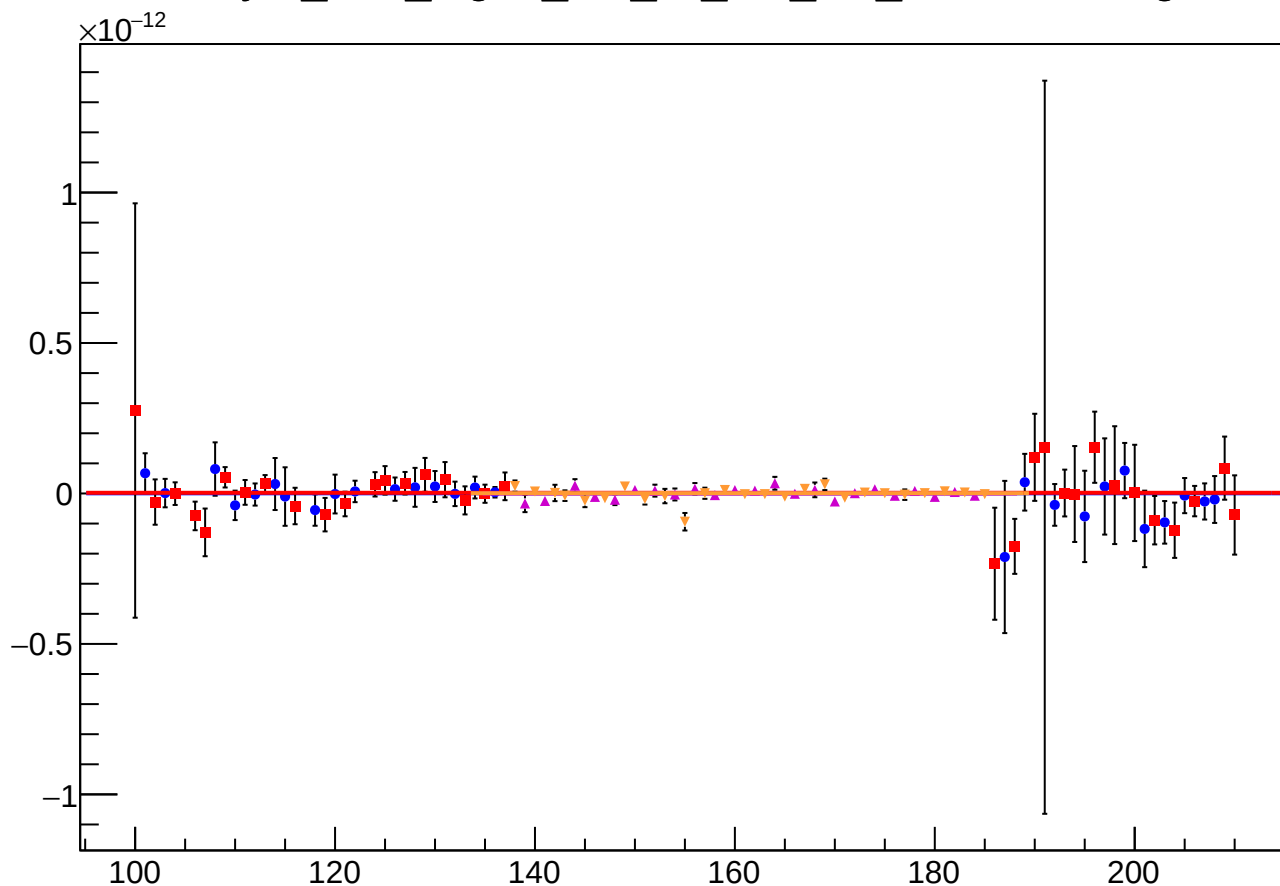
Left In: 58.138 $\pm$ 0.010 χ^2/NDF : 657460.3/22

+ sign 58.279 $\pm$ 0.008 χ^2/NDF : 8163136.0/51

All: 60.818 $\pm$ 0.006 χ^2/NDF : 16401749.4/107

- sign 63.624 $\pm$ 0.009 χ^2/NDF : 8044274.0/55

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.4/32

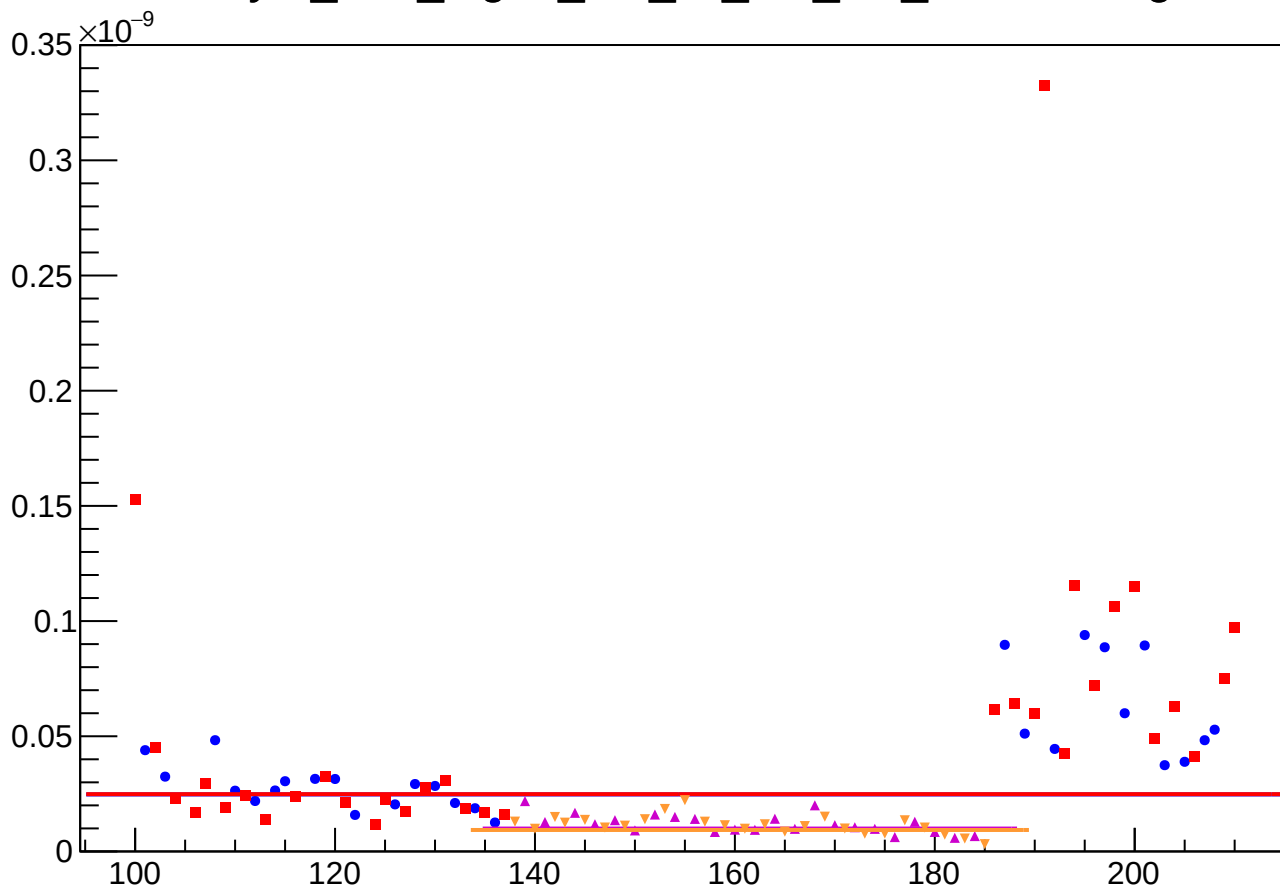
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:20.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 35.0/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 83.8/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 48.7/55

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4398659.8/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5792459.3/32

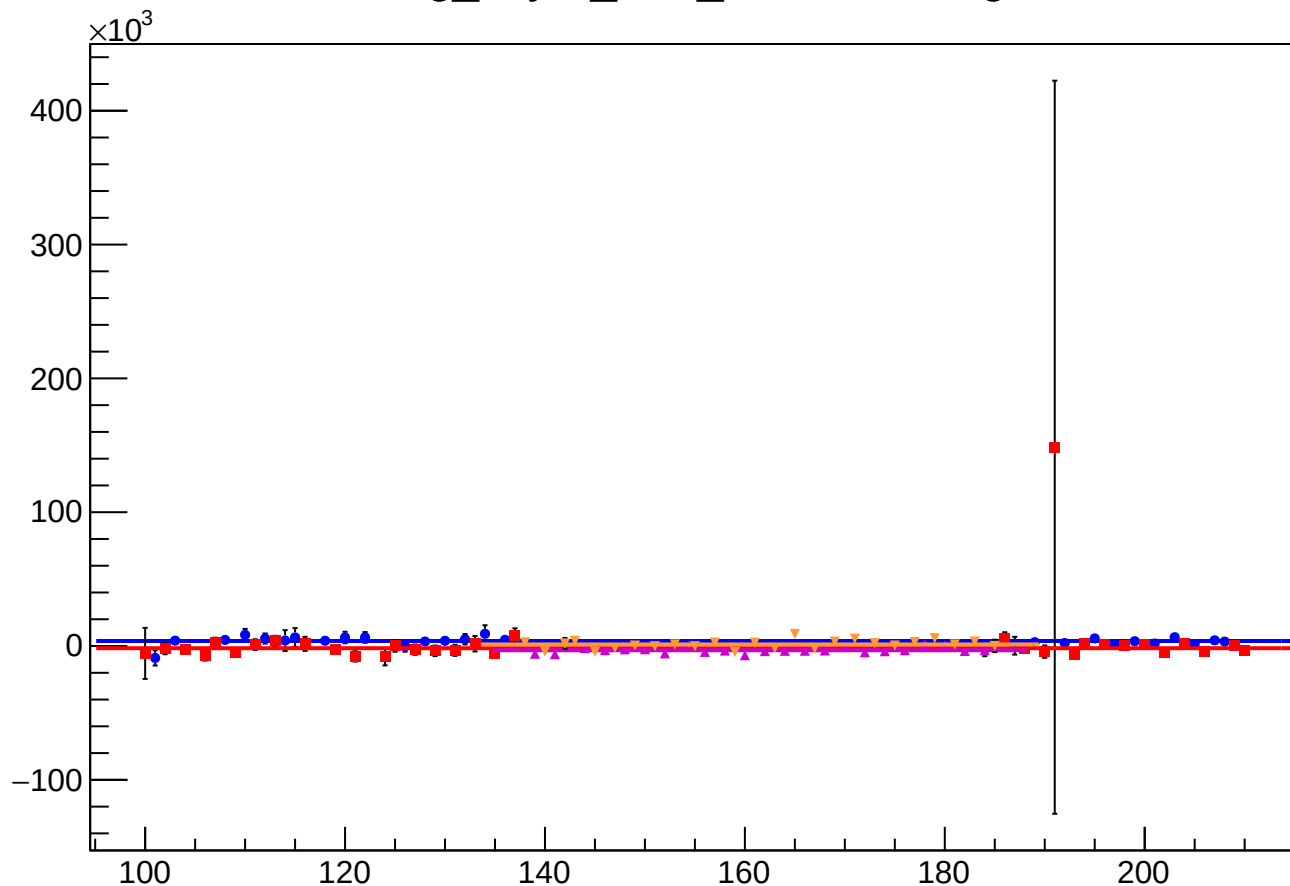
Left In: 0.000+/-0.000 χ^2/NDF : 2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 12317543.6/51

All: 0.000+/-0.000 χ^2/NDF : 25275434.3/107

- sign 0.000+/-0.000 χ^2/NDF : 12885466.6/55

reg_asym_atr2_mean vs Slug



Right In: 3764.427 $\pm$ 664.907 χ^2 /NDF: 13.0/26

Left Out: 1188.836 $\pm$ 556.242 χ^2 /NDF: 31.1/24

Right Out: -1633.582 $\pm$ 629.986 χ^2 /NDF: 28.5/32

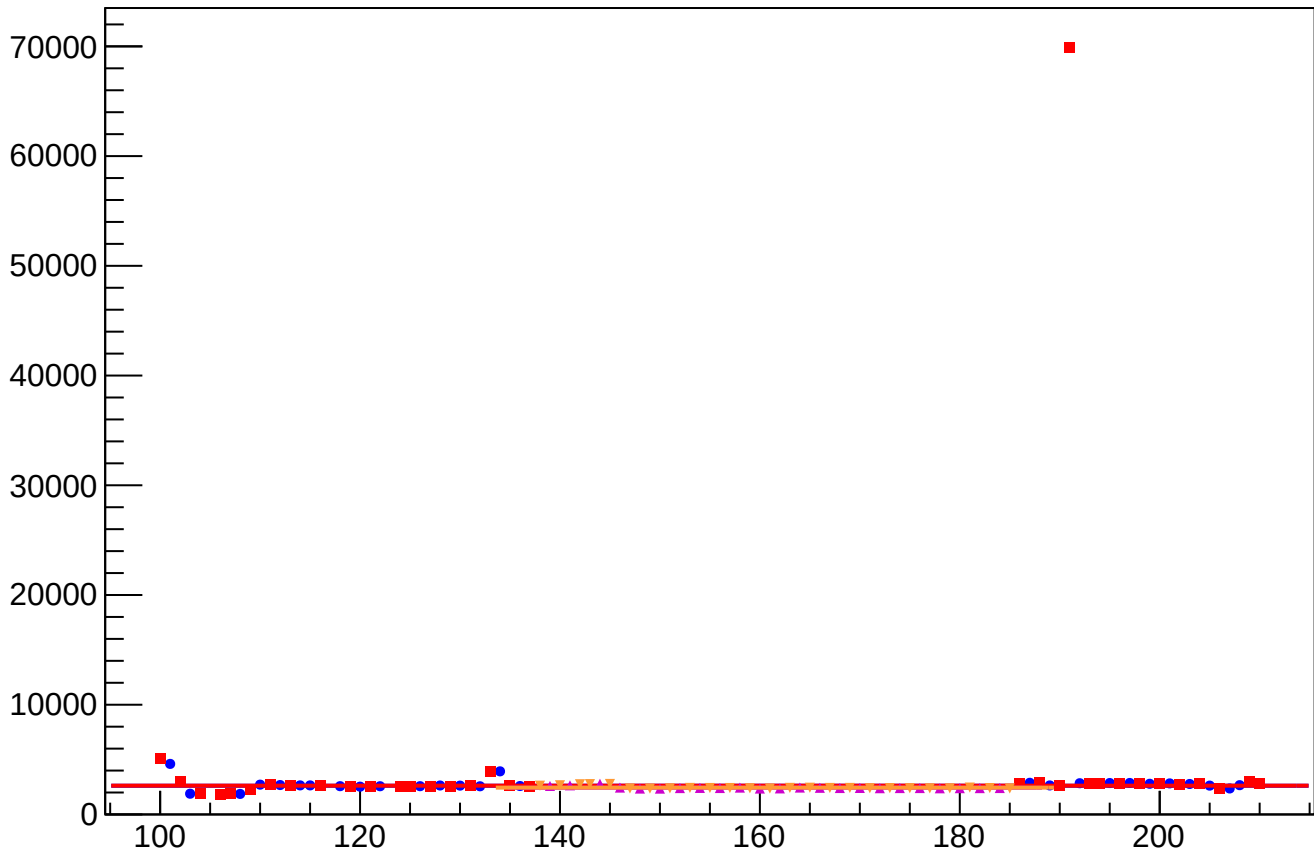
Left In: -3147.419 $\pm$ 569.221 χ^2 /NDF: 12.7/22

+ sign 2249.240 $\pm$ 426.637 χ^2 /NDF: 52.9/51

All: -132.679 $\pm$ 300.152 χ^2 /NDF: 159.0/107

- sign -2467.012 $\pm$ 422.353 χ^2 /NDF: 44.4/55

reg_asym_atr2_rms vs Slug



Right In: 2615.544+/-0.470 χ^2/NDF : 721684.7/26

Left Out: 2445.826+/-0.393 χ^2/NDF : 90014.8/24

Right Out: 2623.255+/-0.445 χ^2/NDF : 790231.4/32

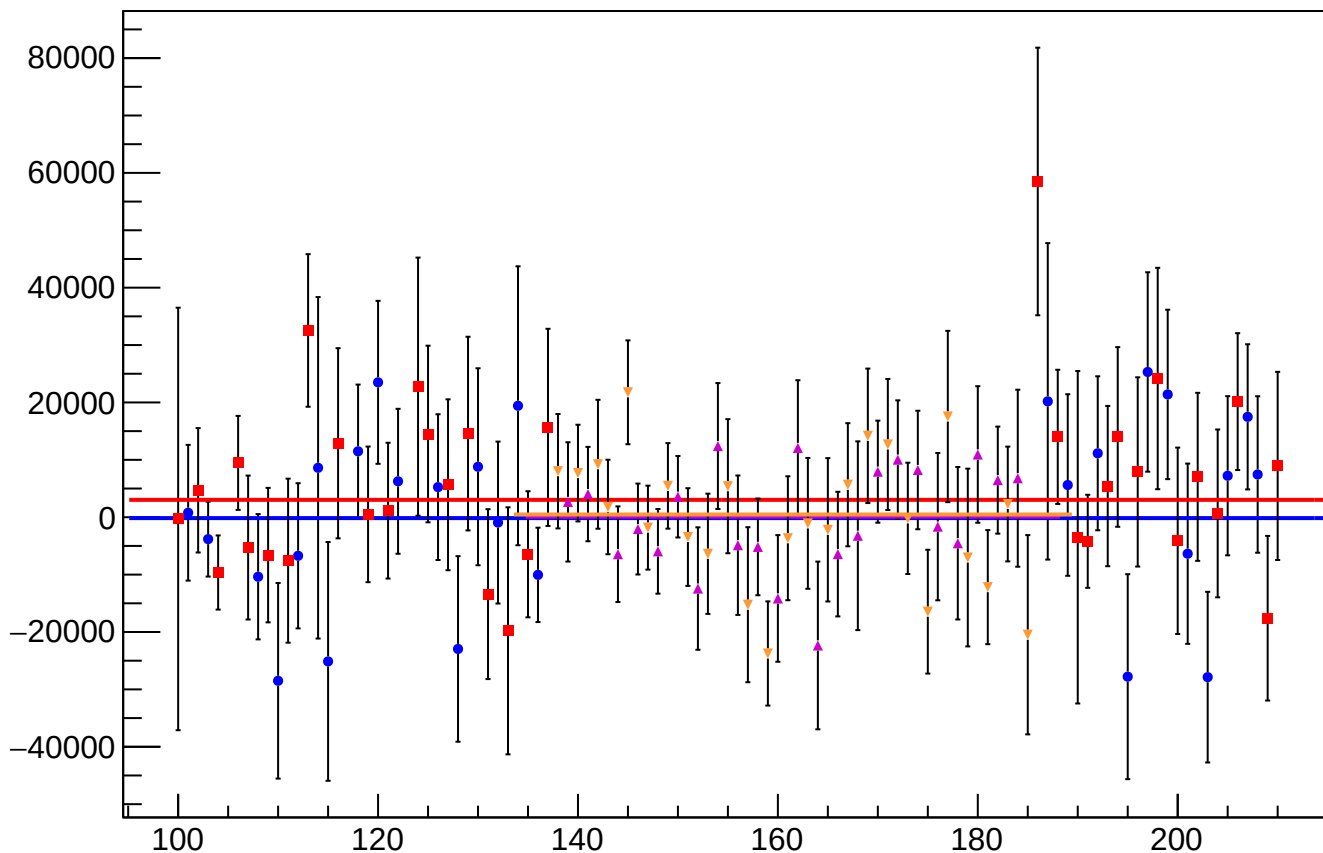
Left In: 2435.950+/-0.403 χ^2/NDF : 59189.9/22

+ sign 2515.701+/-0.302 χ^2/NDF : 888357.2/51

All: 2517.941+/-0.212 χ^2/NDF : 1835220.0/10

- sign 2520.136+/-0.299 χ^2/NDF : 946753.6/55

asym_atr2_reg_correction_mean vs Slug



Right In: -152.536 ± 2556.261 $\chi^2/\text{NDF}: 28.6/26$

Left Out: 477.187 ± 2035.969 $\chi^2/\text{NDF}: 27.4/24$

Right Out: 3027.572 ± 2277.612 $\chi^2/\text{NDF}: 30.7/32$

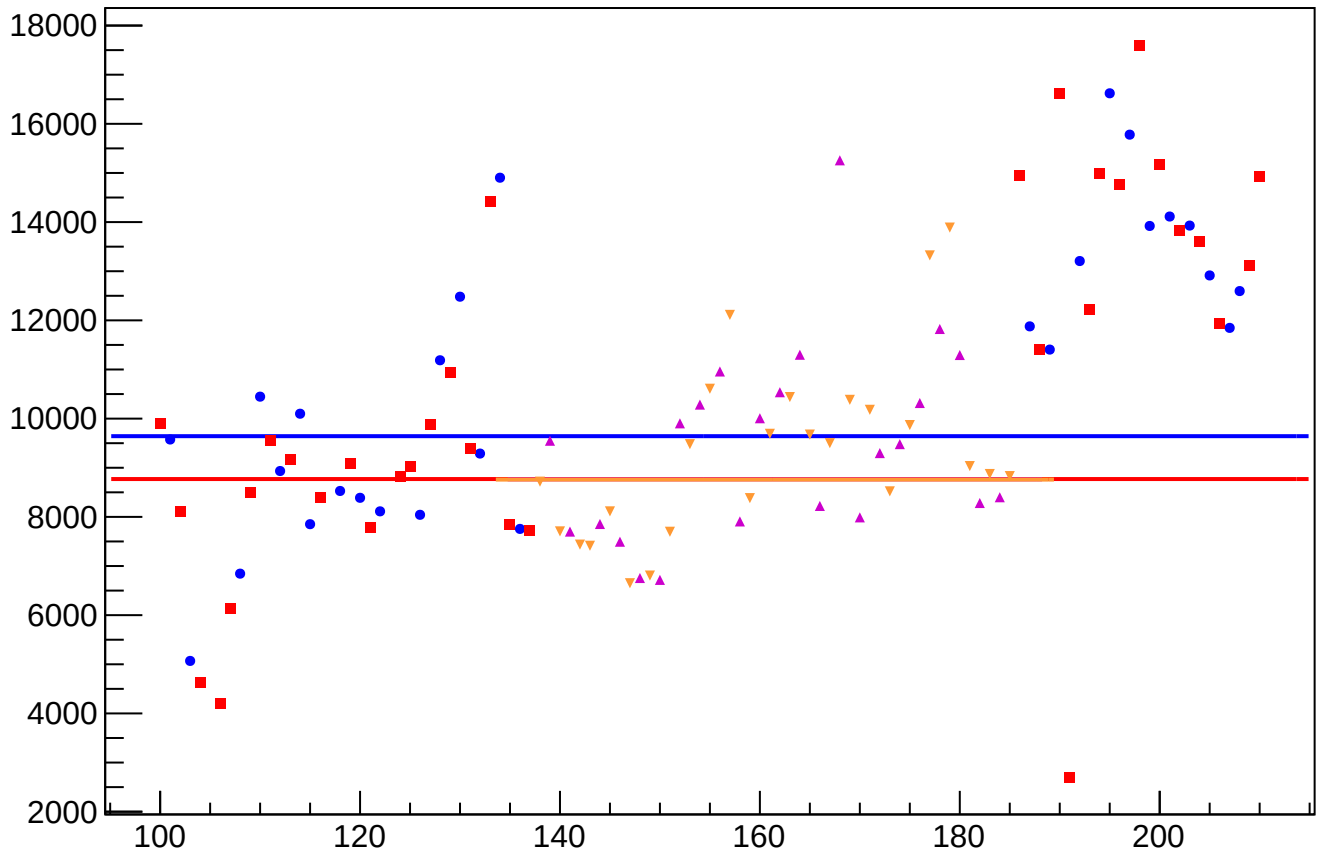
Left In: 104.954 ± 2090.899 $\chi^2/\text{NDF}: 14.5/22$

+ sign 232.768 ± 1592.568 $\chi^2/\text{NDF}: 56.0/51$

All: 857.344 ± 1107.164 $\chi^2/\text{NDF}: 102.4/107$

- sign 1441.576 ± 1540.274 $\chi^2/\text{NDF}: 46.1/55$

asym_atr2_reg_correction_rms vs Slug



Right In: 9642.775+/-1.808 χ^2/NDF : 3004388.7/26

Left Out: 8759.635+/-1.440 χ^2/NDF :1222238.0/24

Right Out: 8770.244+/-1.611 χ^2/NDF : 5781840.5/32

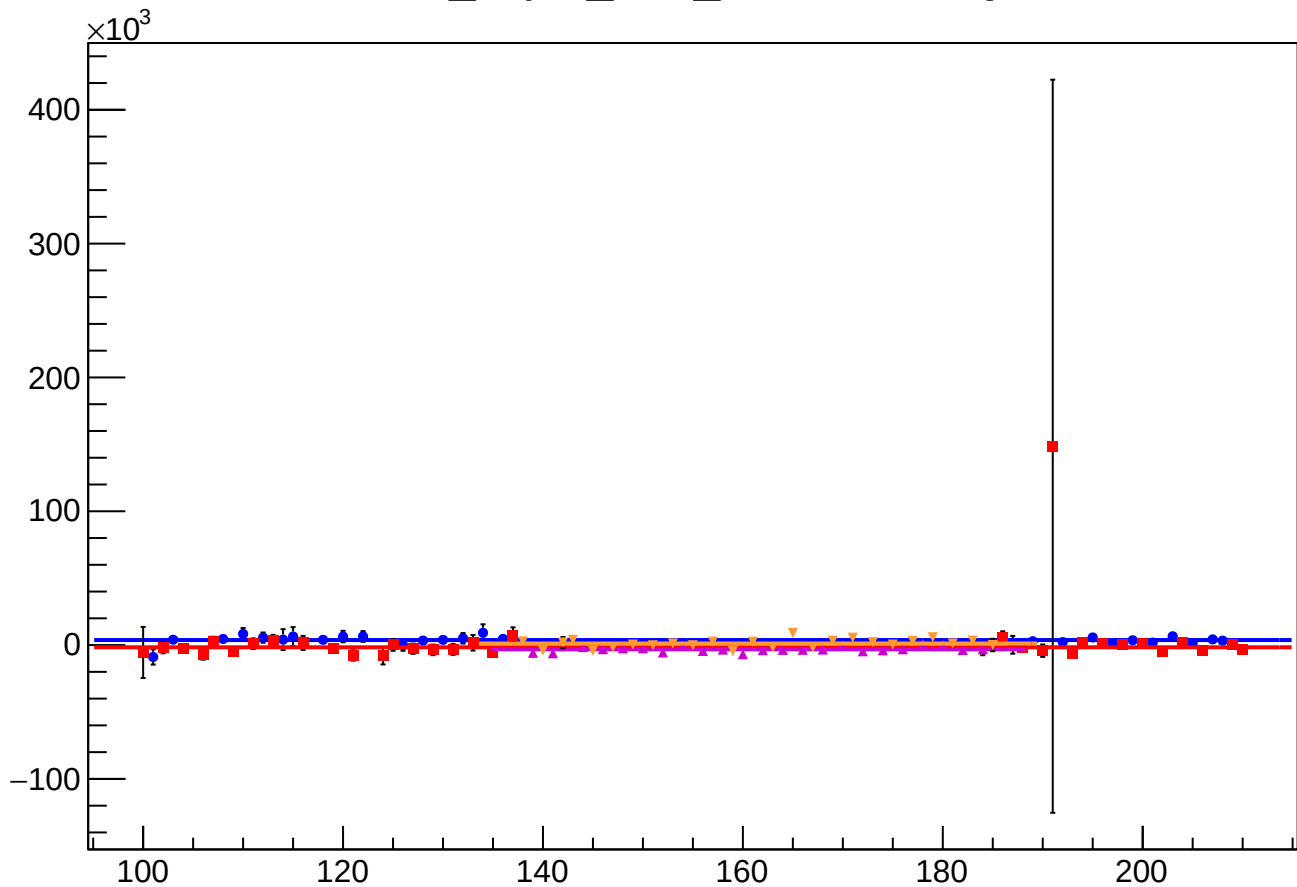
Left In: 8764.138+/-1.478 χ^2/NDF :1291698.9/22

+ sign 9102.415+/-1.126 χ^2/NDF : 4372687.1/51

All: 8929.074+/-0.783 χ^2/NDF : 11492091.5/100

- sign 8766.930+/-1.089 χ^2/NDF : 7073547.2/55

cor_asym_atr2_mean vs Slug



Right In: 3764.301 ± 664.907 χ^2 /NDF: 13.0/26

Left Out: 1188.666 ± 556.242 χ^2 /NDF: 31.1/24

Right Out: -1633.918 ± 629.989 χ^2 /NDF: 28.5/32

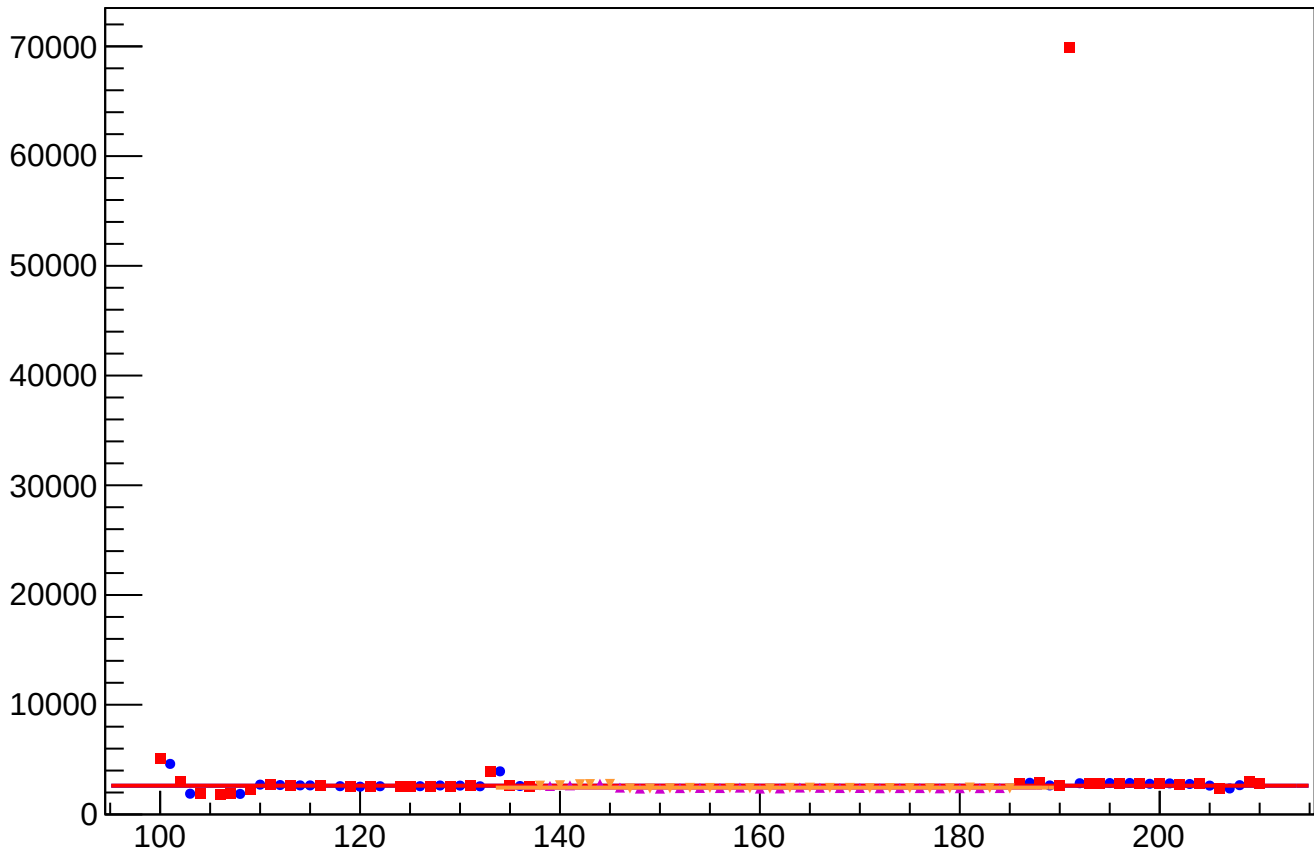
Left In: -3147.222 ± 569.221 χ^2 /NDF: 12.7/22

+ sign 2249.088 ± 426.637 χ^2 /NDF: 52.9/51

All: -132.773 ± 300.152 χ^2 /NDF: 159.1/107

- sign -2467.057 ± 422.354 χ^2 /NDF: 44.4/55

cor_asym_atr2_rms vs Slug



Right In: 2615.545 $\pm$ 0.470 χ^2 /NDF: 721682.0/26

Left Out: 2445.826 $\pm$ 0.393 χ^2 /NDF: 90014.8/24

Right Out: 2623.268 $\pm$ 0.445 χ^2 /NDF: 790156.0/32

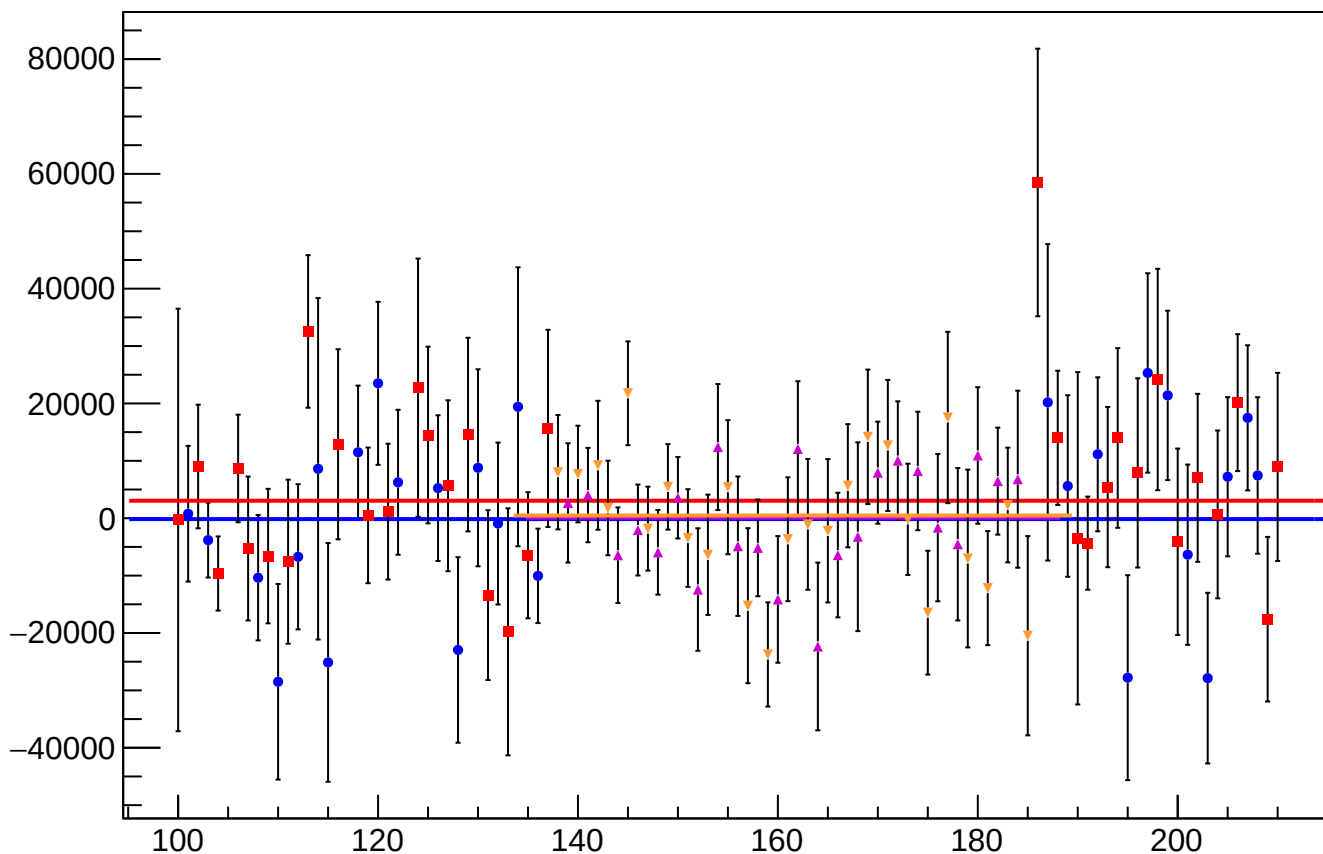
Left In: 2435.950 $\pm$ 0.403 χ^2 /NDF: 59189.9/22

+ sign 2515.701 $\pm$ 0.302 χ^2 /NDF: 888354.9/51

All: 2517.944 $\pm$ 0.212 χ^2 /NDF: 1835155.3/10

- sign 2520.141 $\pm$ 0.299 χ^2 /NDF: 946691.0/55

asym_atr2_cor_correction_mean vs Slug



Right In: -152.185 ± 2556.312 χ^2/NDF : 28.6/26

Left Out: 477.198 ± 2035.967 χ^2/NDF : 27.4/24

Right Out: 3045.652 ± 2298.294 χ^2/NDF : 30.8/32

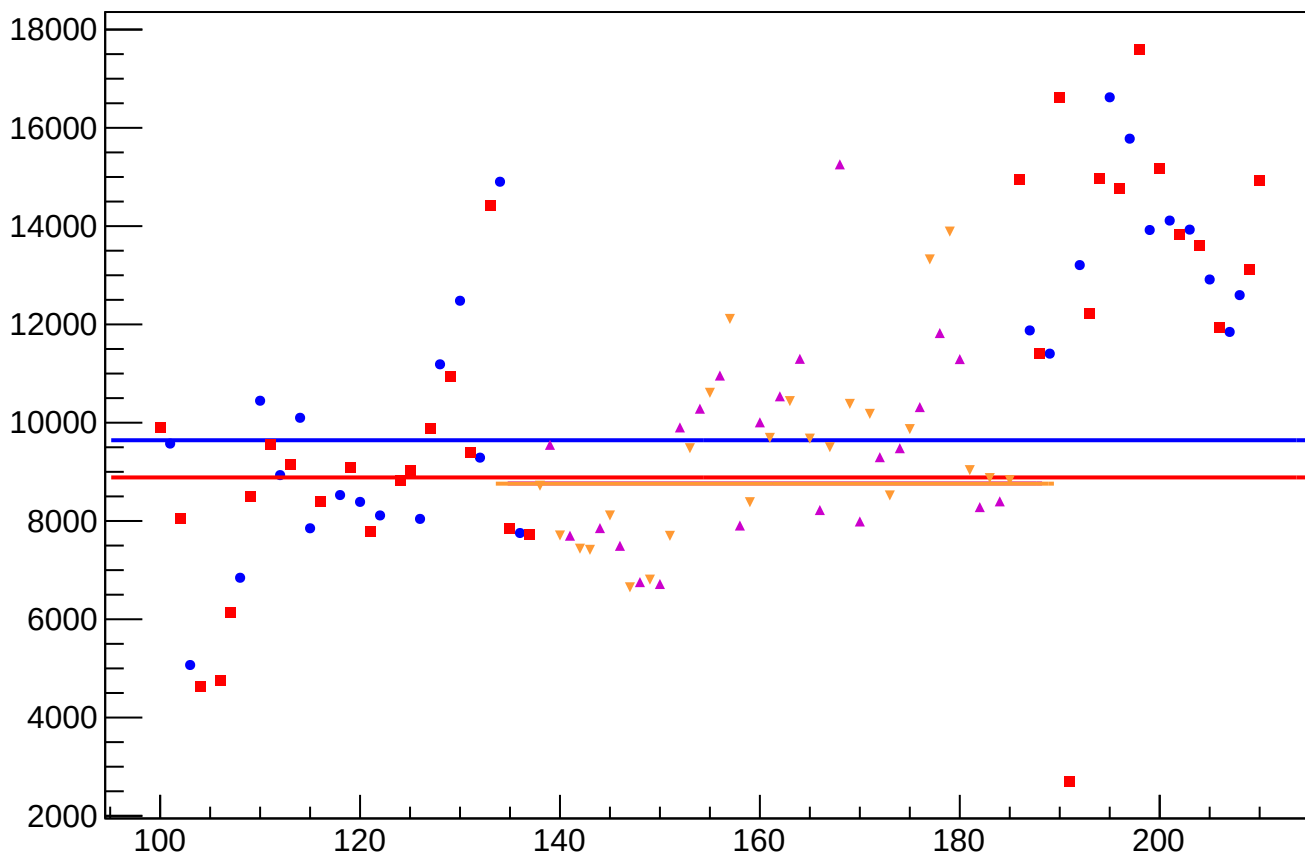
Left In: 105.025 ± 2090.897 χ^2/NDF : 14.5/22

+ sign 232.917 ± 1592.579 χ^2/NDF : 56.0/51

All: 852.427 ± 1109.519 χ^2/NDF : 102.5/107

- sign 1436.698 ± 1546.623 χ^2/NDF : 46.2/55

asym_atr2_cor_correction_rms vs Slug



Right In: 9643.064+/-1.808 χ^2/NDF : 3003828.7/26

Left Out: 8759.625+/-1.440 χ^2/NDF :1222248.8/24

Right Out: 8886.224+/-1.625 χ^2/NDF : 5519333.9/32

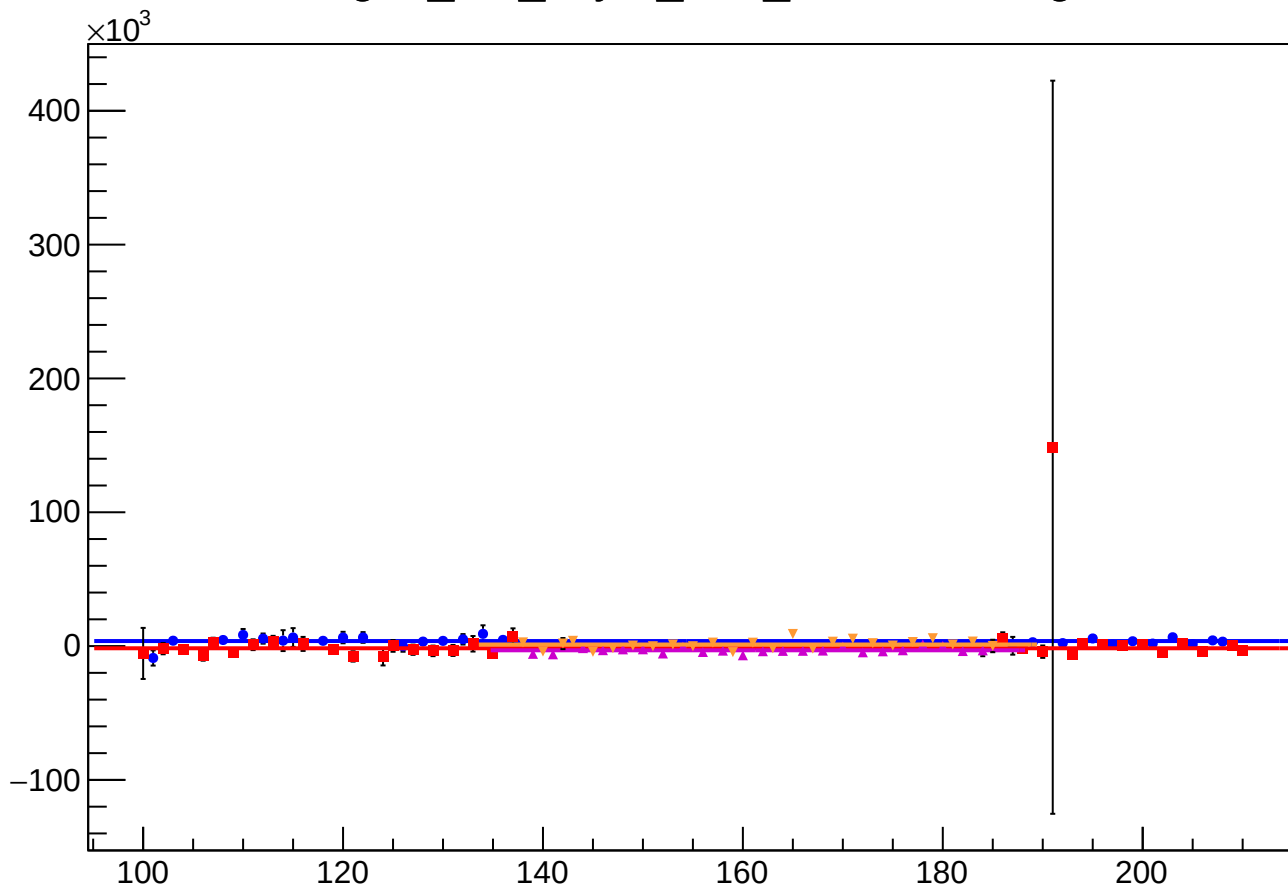
Left In: 8764.132+/-1.478 χ^2/NDF :1291700.3/22

+ sign 9102.512+/-1.126 χ^2/NDF : 4372233.4/51

All: 8956.824+/-0.785 χ^2/NDF : 11218877.9/100

- sign 8819.422+/-1.094 χ^2/NDF : 6814122.4/55

eigen_cor_asym_atr2_mean vs Slug



Right In: 3764.301 $\pm$ 664.907 χ^2 /NDF: 13.0/26

Left Out: 1188.666 $\pm$ 556.242 χ^2 /NDF: 31.1/24

Right Out: -1633.918 $\pm$ 629.989 χ^2 /NDF: 28.5/32

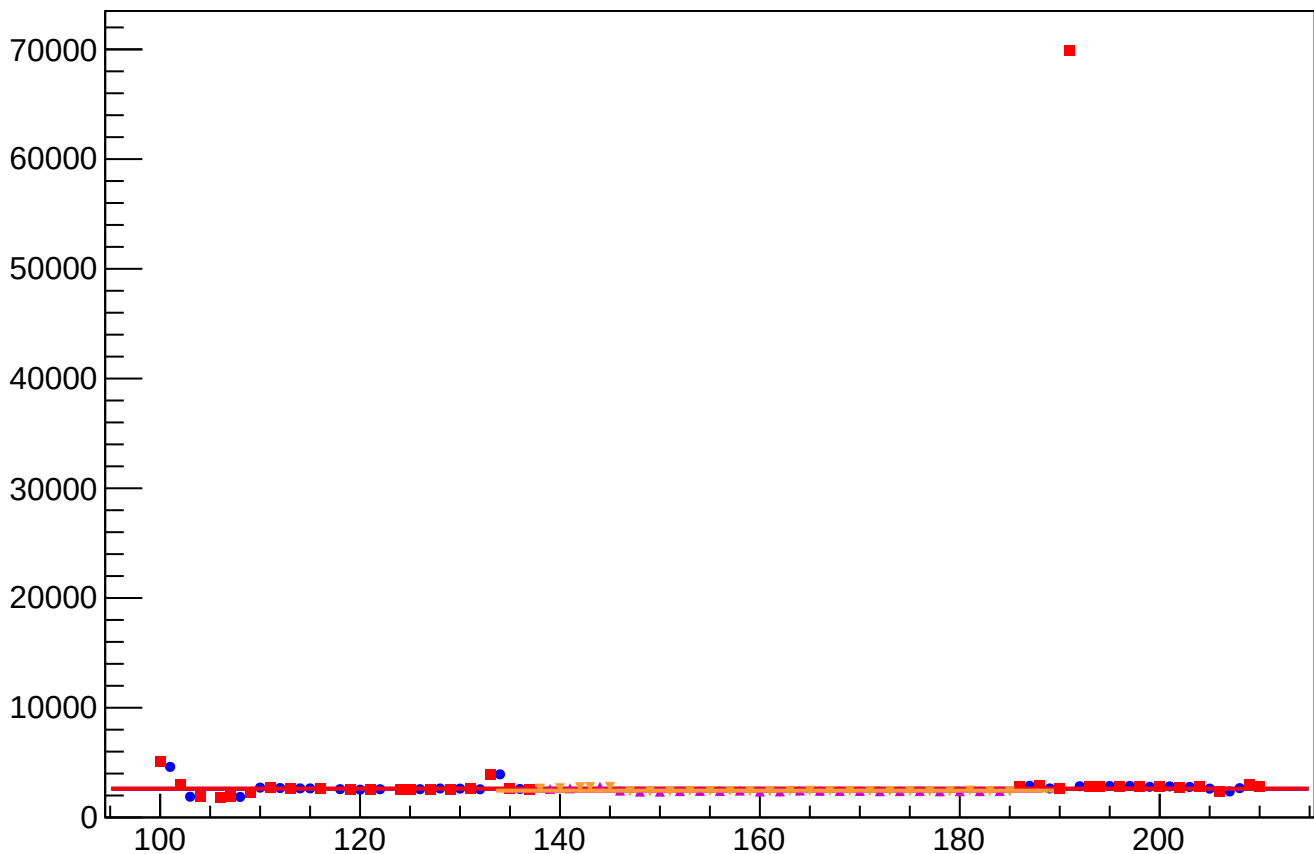
Left In: -3147.222 $\pm$ 569.221 χ^2 /NDF: 12.7/22

+ sign 2249.088 $\pm$ 426.637 χ^2 /NDF: 52.9/51

All: -132.773 $\pm$ 300.152 χ^2 /NDF: 159.1/107

- sign -2467.057 $\pm$ 422.354 χ^2 /NDF: 44.4/55

eigen_cor_asym_atr2_rms vs Slug



Right In: 2615.545+/-0.470 χ^2/NDF : 721682.0/26

Left Out: 2445.826+/-0.393 χ^2/NDF : 90014.8/24

Right Out: 2623.268+/-0.445 χ^2/NDF : 790156.0/32

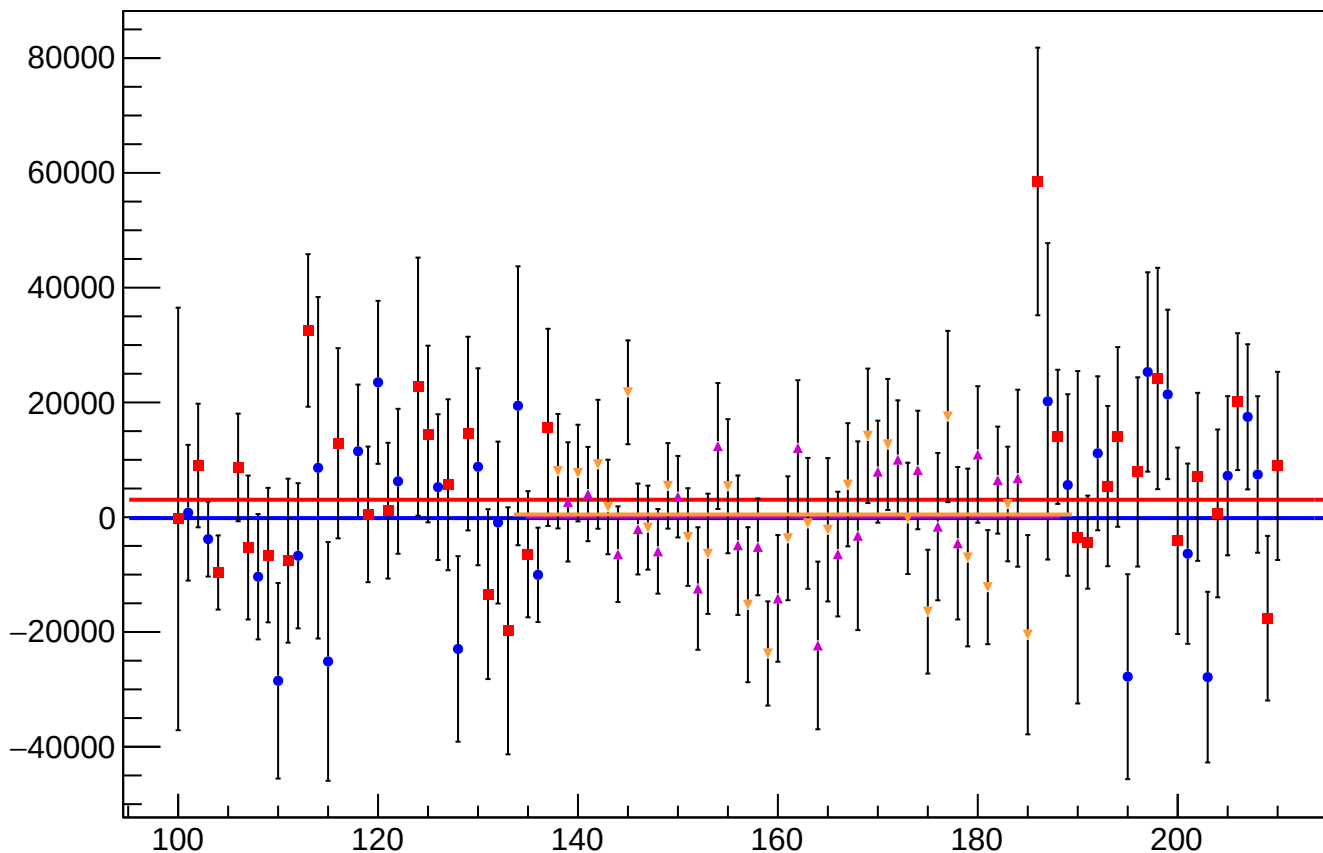
Left In: 2435.950+/-0.403 χ^2/NDF : 59189.9/22

+ sign 2515.701+/-0.302 χ^2/NDF : 888354.9/51

All: 2517.944+/-0.212 χ^2/NDF : 1835155.3/10

- sign 2520.141+/-0.299 χ^2/NDF : 946691.0/55

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -152.185 ± 2556.312 $\chi^2/\text{NDF}: 28.6/26$

Left Out: 477.198 ± 2035.967 $\chi^2/\text{NDF}: 27.4/24$

Right Out: 3045.652 ± 2298.294 $\chi^2/\text{NDF}: 30.8/32$

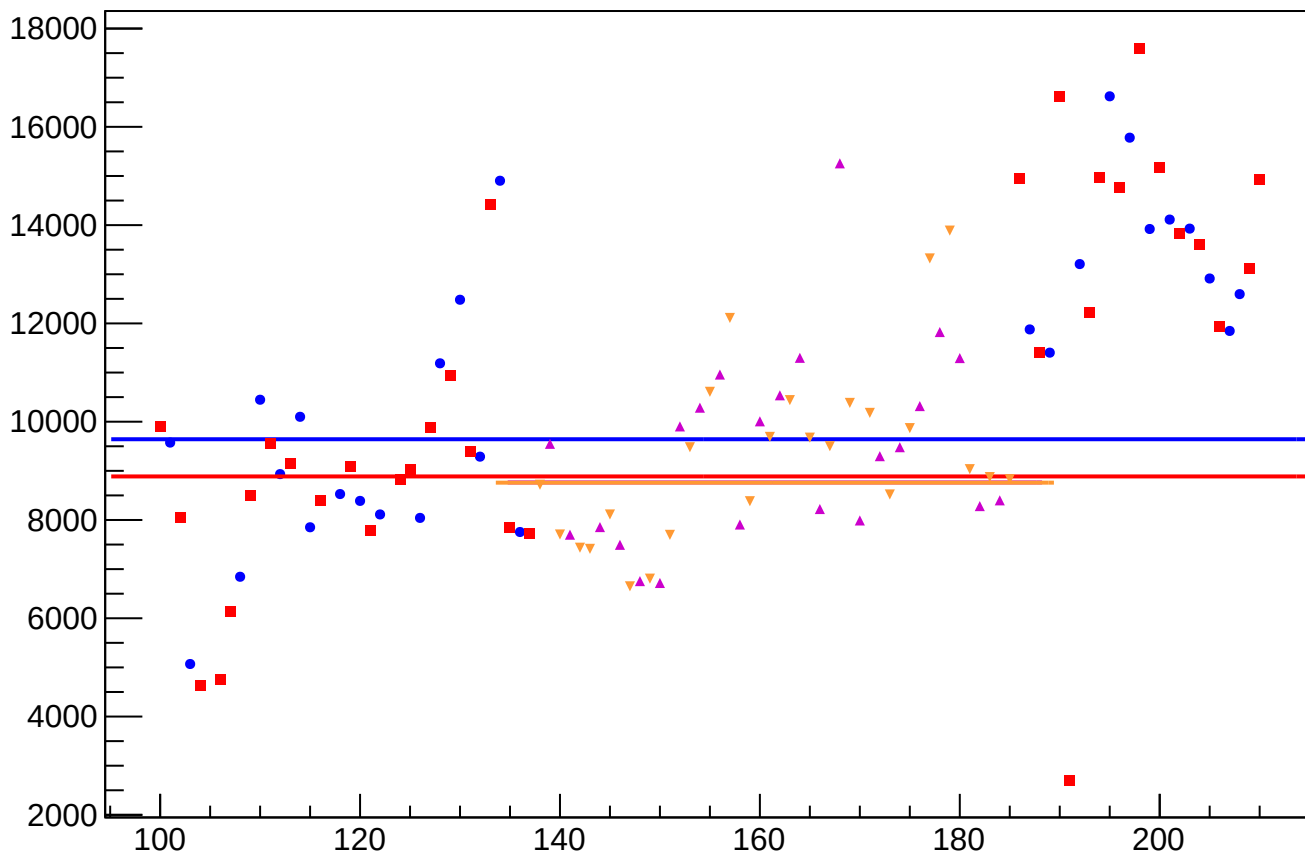
Left In: 105.025 ± 2090.897 $\chi^2/\text{NDF}: 14.5/22$

+ sign 232.917 ± 1592.579 $\chi^2/\text{NDF}: 56.0/51$

All: 852.427 ± 1109.519 $\chi^2/\text{NDF}: 102.5/107$

- sign 1436.698 ± 1546.623 $\chi^2/\text{NDF}: 46.2/55$

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 9643.064+/-1.808 χ^2/NDF : 3003828.7/26

Left Out: 8759.625+/-1.440 χ^2/NDF : 1222248.8/24

Right Out: 8886.224+/-1.625 χ^2/NDF : 5519333.9/32

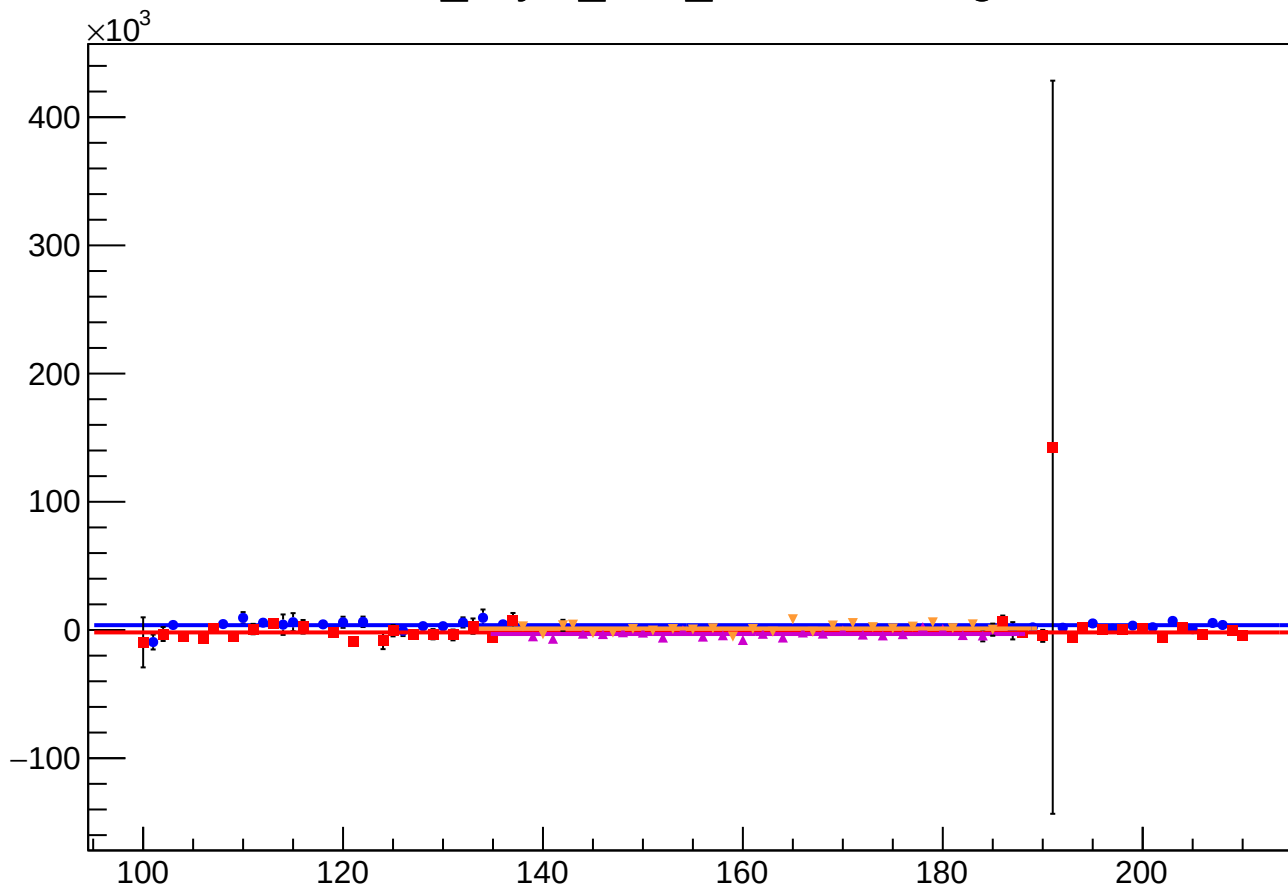
Left In: 8764.132+/-1.478 χ^2/NDF : 1291700.3/22

+ sign 9102.512+/-1.126 χ^2/NDF : 4372233.4/51

All: 8956.824+/-0.785 χ^2/NDF : 11218877.9/100

- sign 8819.422+/-1.094 χ^2/NDF : 6814122.4/55

dit_asym_atr2_mean vs Slug



Right In: 3761.259+/-684.750 χ^2/NDF : 15.4/26

Left Out: 1213.875+/-579.693 χ^2/NDF : 26.8/24

Right Out: -1890.054+/-650.266 χ^2/NDF : 32.6/32

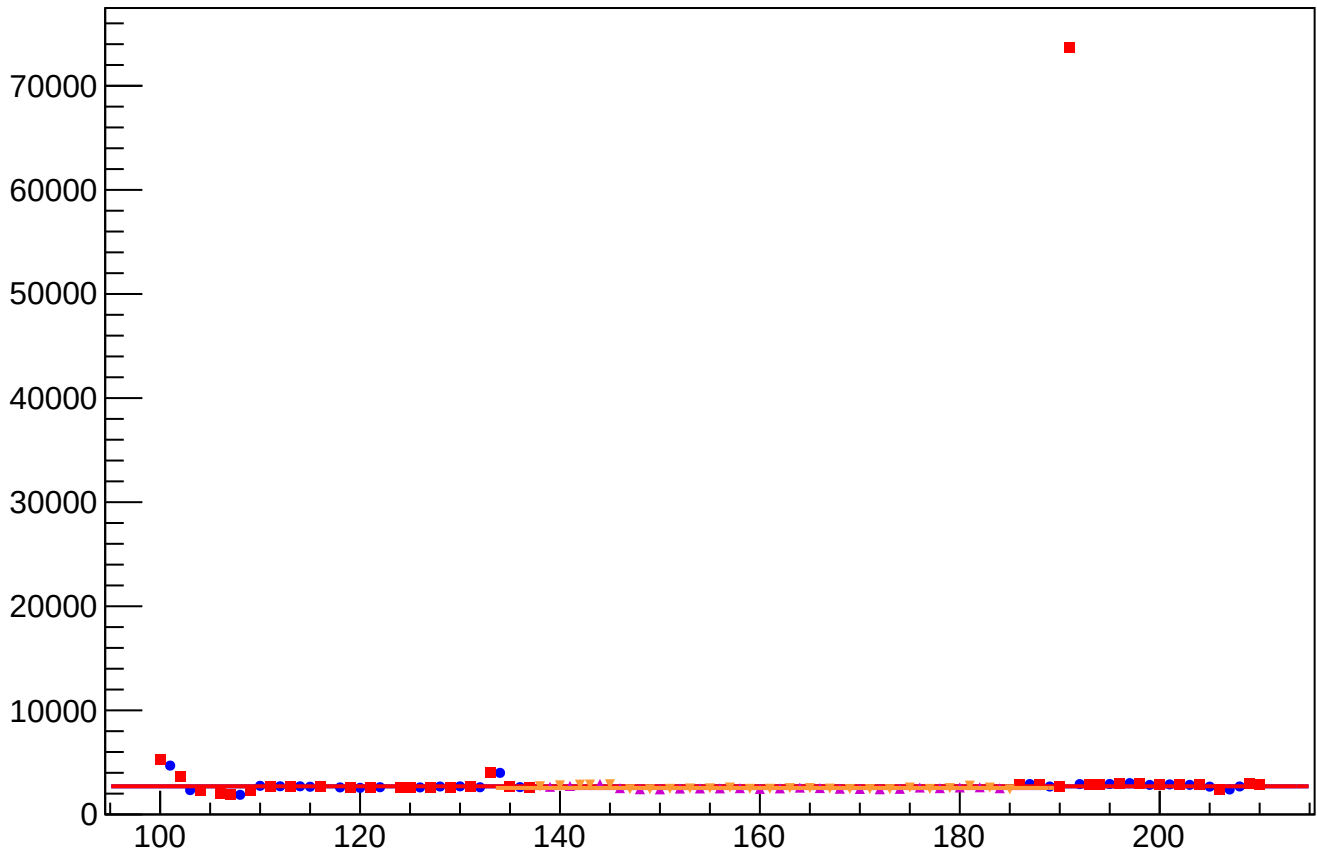
Left In: -3150.265+/-592.116 χ^2/NDF : 16.5/22

+ sign 2277.368+/-442.438 χ^2/NDF : 50.3/51

All: -176.370+/-311.201 χ^2/NDF : 162.3/107

- sign -2579.015+/-437.807 χ^2/NDF : 51.1/55

dit_asym_atr2_rms vs Slug



Right In: 2699.019+/-0.484 χ^2/NDF : 583675.6/26

Left Out: 2547.154+/-0.410 χ^2/NDF : 117298.5/24

Right Out: 2706.971+/-0.460 χ^2/NDF : 689473.5/32

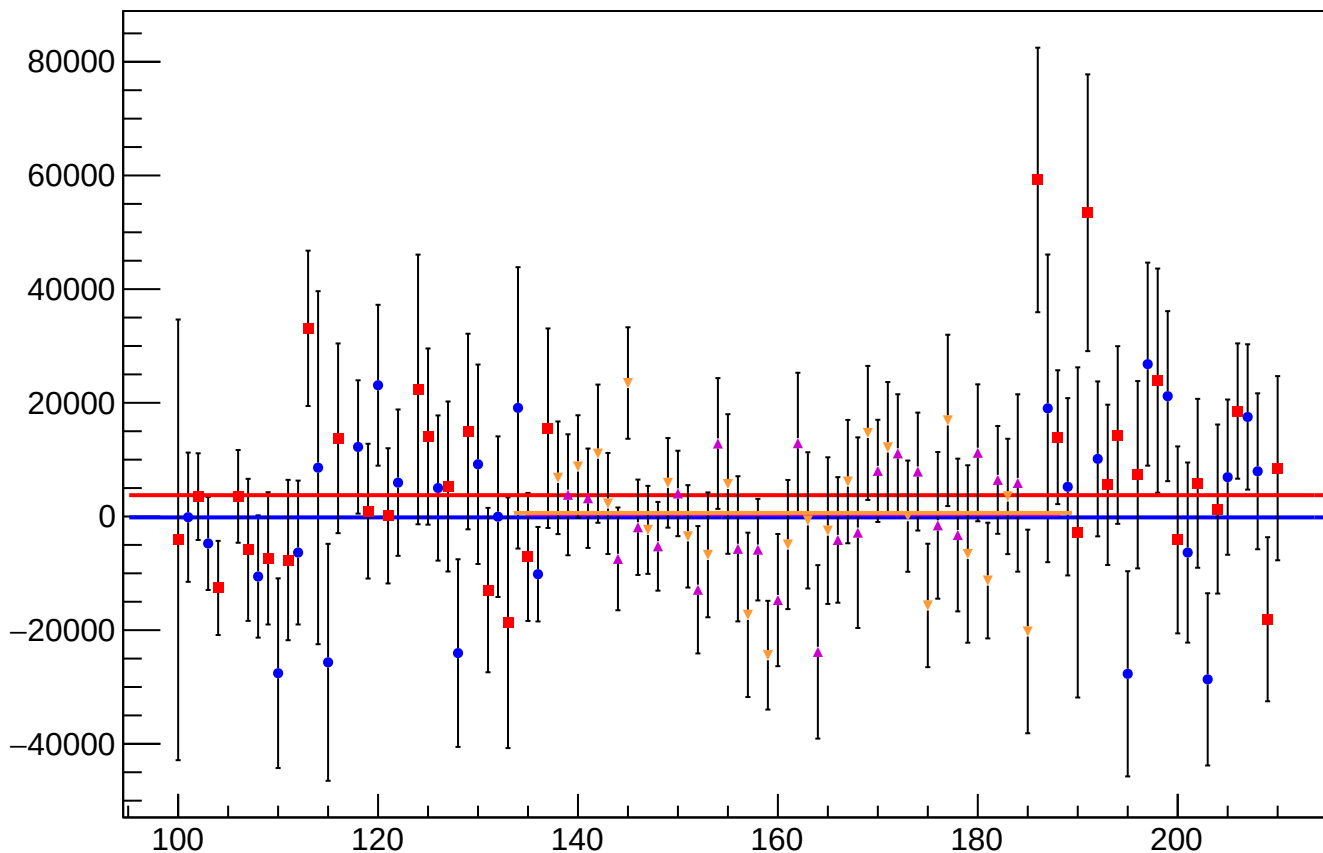
Left In: 2532.772+/-0.419 χ^2/NDF : 68441.1/22

+ sign 2610.556+/-0.313 χ^2/NDF : 758278.9/51

All: 2611.164+/-0.220 χ^2/NDF : 1594691.6/10

- sign 2611.759+/-0.310 χ^2/NDF : 836405.2/55

asym_atr2_dit_correction_mean vs Slug



Right In: -160.080 ± 2638.716 $\chi^2/\text{NDF}: 28.4/26$

Left Out: 631.360 ± 2123.101 $\chi^2/\text{NDF}: 26.7/24$

Right Out: 3747.976 ± 2377.726 $\chi^2/\text{NDF}: 32.9/32$

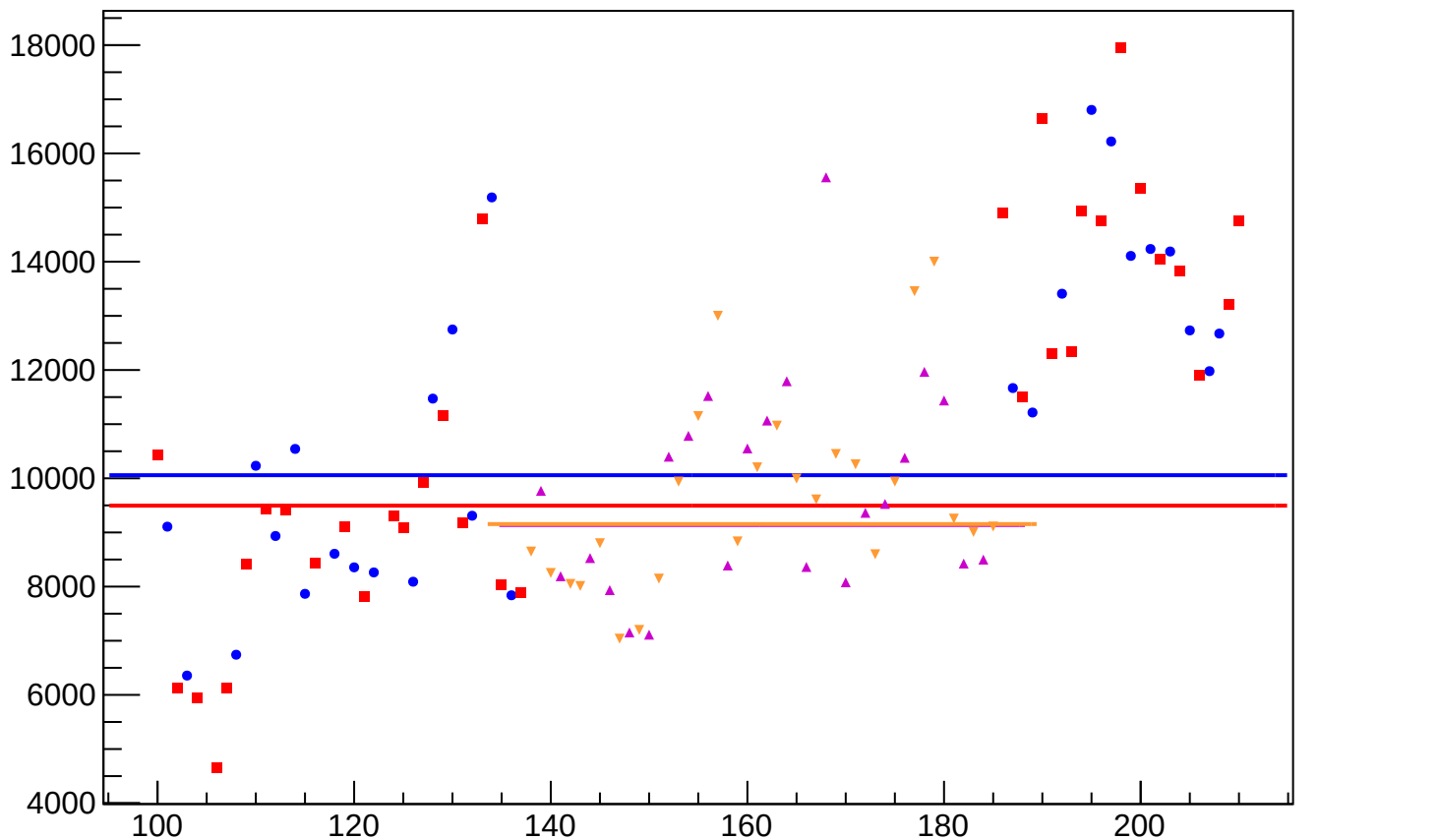
Left In: 377.922 ± 2176.347 $\chi^2/\text{NDF}: 14.2/22$

+ sign 320.345 ± 1654.148 $\chi^2/\text{NDF}: 55.2/51$

All: 1141.118 ± 1152.034 $\chi^2/\text{NDF}: 103.8/107$

- sign 1914.217 ± 1605.391 $\chi^2/\text{NDF}: 48.2/55$

asym_atr2_dit_correction_rms vs Slug



Right In: 10057.596+/-1.866 χ^2/NDF : 2378740.7/26

Left Out: 9154.688+/-1.501 χ^2/NDF :1072073.9/24

Right Out: 9495.251+/-1.681 χ^2/NDF : 4110983.1/32

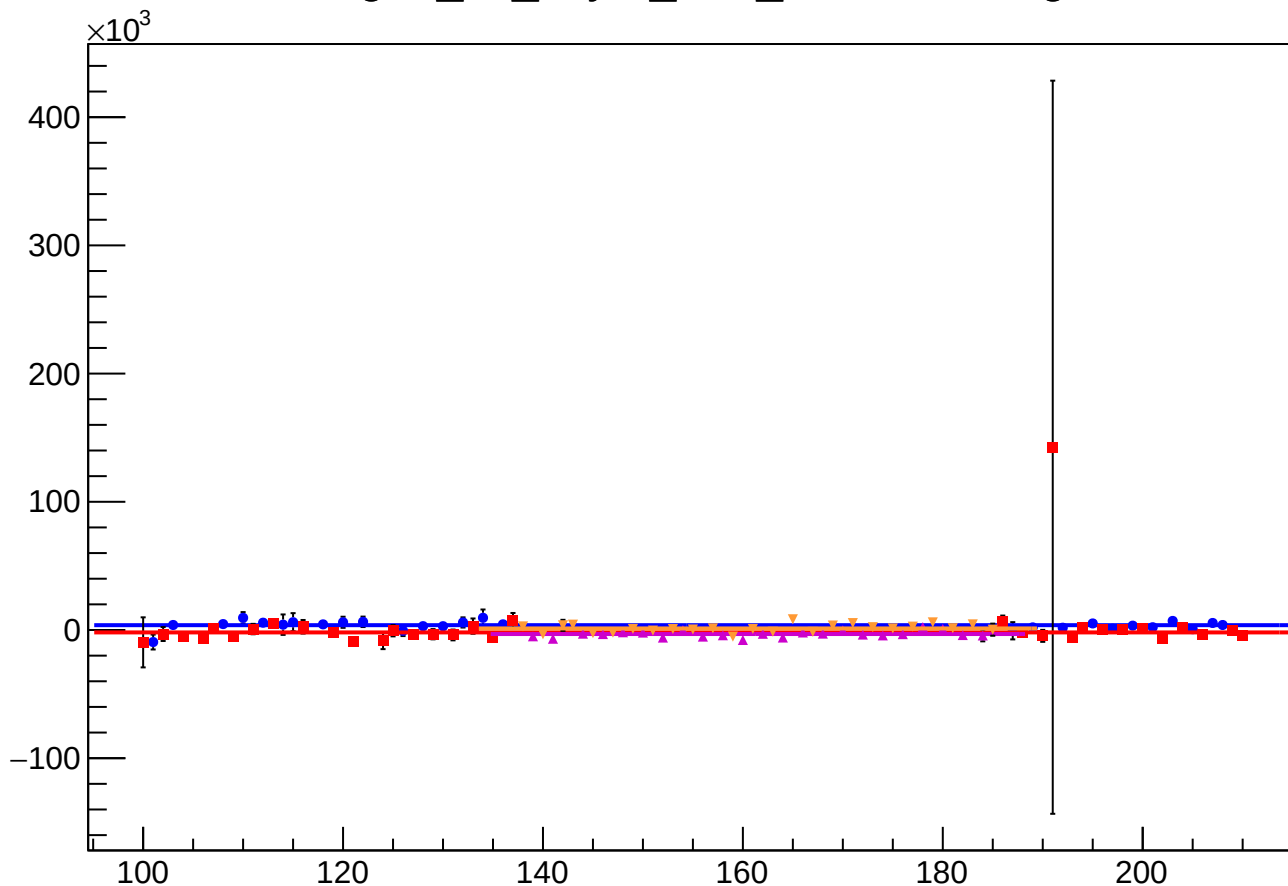
Left In: 9137.576+/-1.539 χ^2/NDF :1172792.2/22

+ sign 9509.507+/-1.170 χ^2/NDF : 3592962.2/51

All: 9401.944+/-0.815 χ^2/NDF : 8917785.7/10

- sign 9300.628+/-1.135 χ^2/NDF : 5308401.0/55

eigen_dit_asym_atr2_mean vs Slug



Right In: 3761.257+/-684.750 χ^2/NDF : 15.4/26

Left Out: 1213.864+/-579.693 χ^2/NDF : 26.8/24

Right Out: -1890.056+/-650.266 χ^2/NDF : 32.6/32

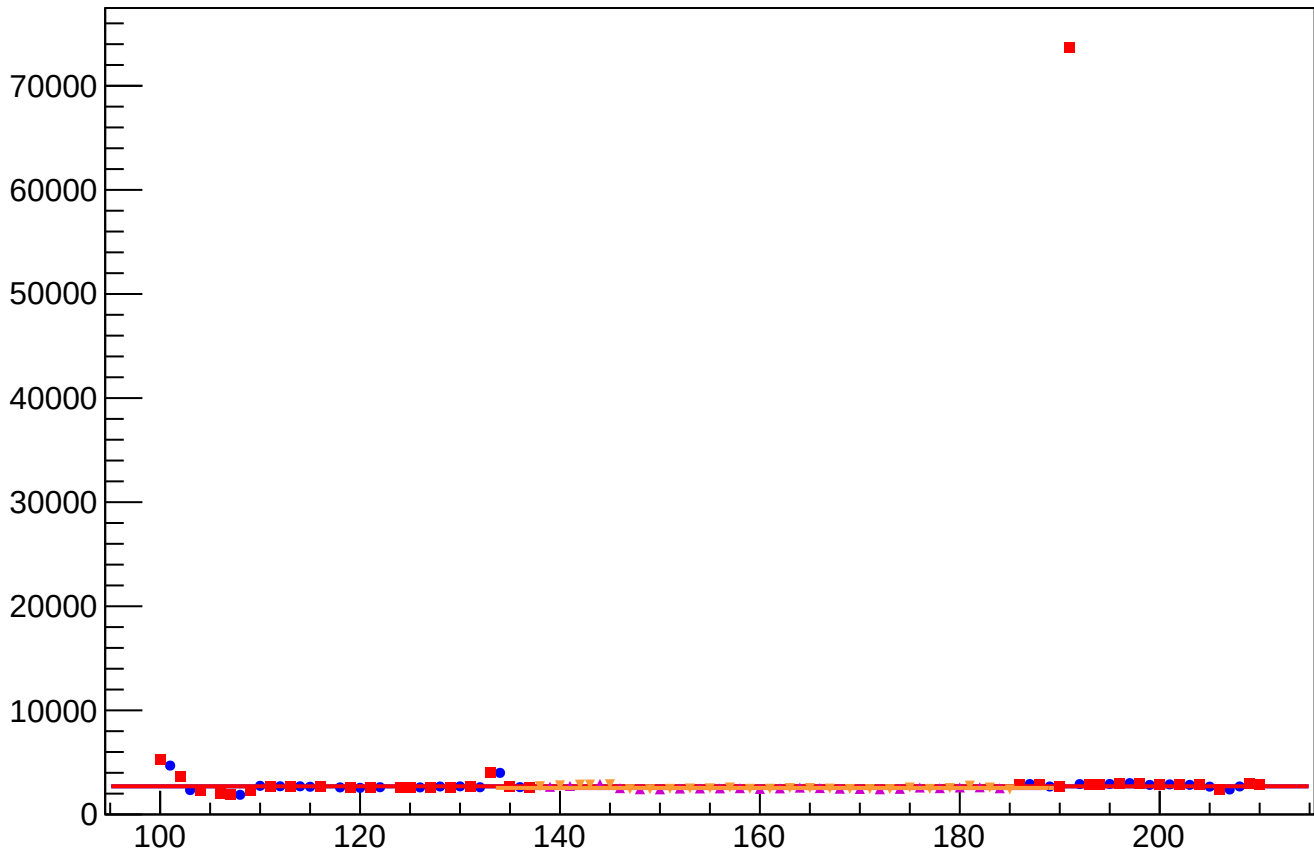
Left In: -3150.264+/-592.117 χ^2/NDF : 16.5/22

+ sign 2277.361+/-442.438 χ^2/NDF : 50.3/51

All: -176.373+/-311.201 χ^2/NDF : 162.3/107

- sign -2579.015+/-437.807 χ^2/NDF : 51.1/55

eigen_dit_asym_atr2_rms vs Slug



Right In: 2699.019+/-0.484 χ^2/NDF : 583676.2/26

Left Out: 2547.156+/-0.410 χ^2/NDF : 117298.5/24

Right Out: 2706.971+/-0.460 χ^2/NDF : 689473.4/32

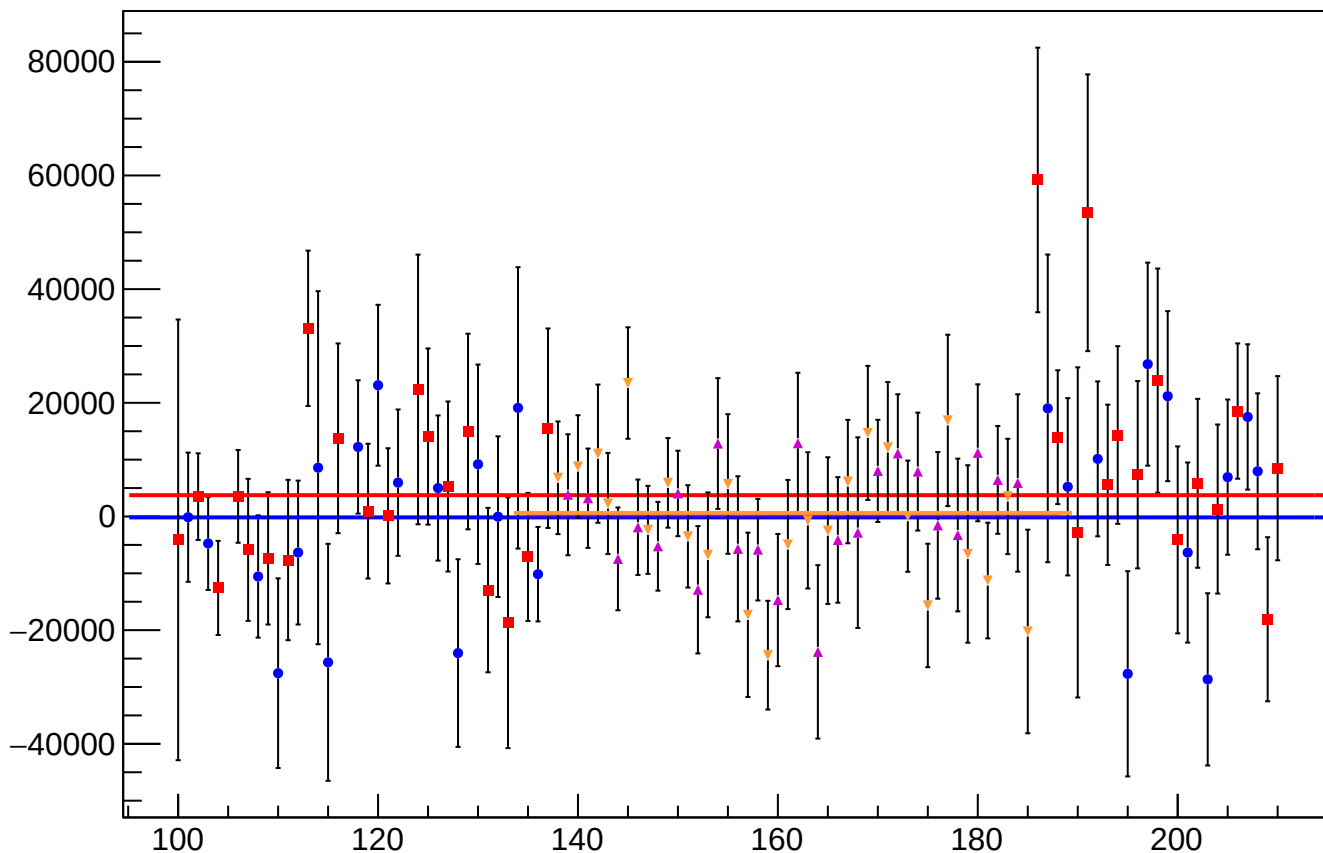
Left In: 2532.774+/-0.419 χ^2/NDF : 68440.8/22

+ sign 2610.556+/-0.313 χ^2/NDF : 758277.8/51

All: 2611.165+/-0.220 χ^2/NDF : 1594688.5/100

- sign 2611.760+/-0.310 χ^2/NDF : 836403.2/55

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -160.064 ± 2638.715 $\chi^2/\text{NDF}: 28.4/26$

Left Out: 631.356 ± 2123.104 $\chi^2/\text{NDF}: 26.7/24$

Right Out: 3747.967 ± 2377.724 $\chi^2/\text{NDF}: 32.9/32$

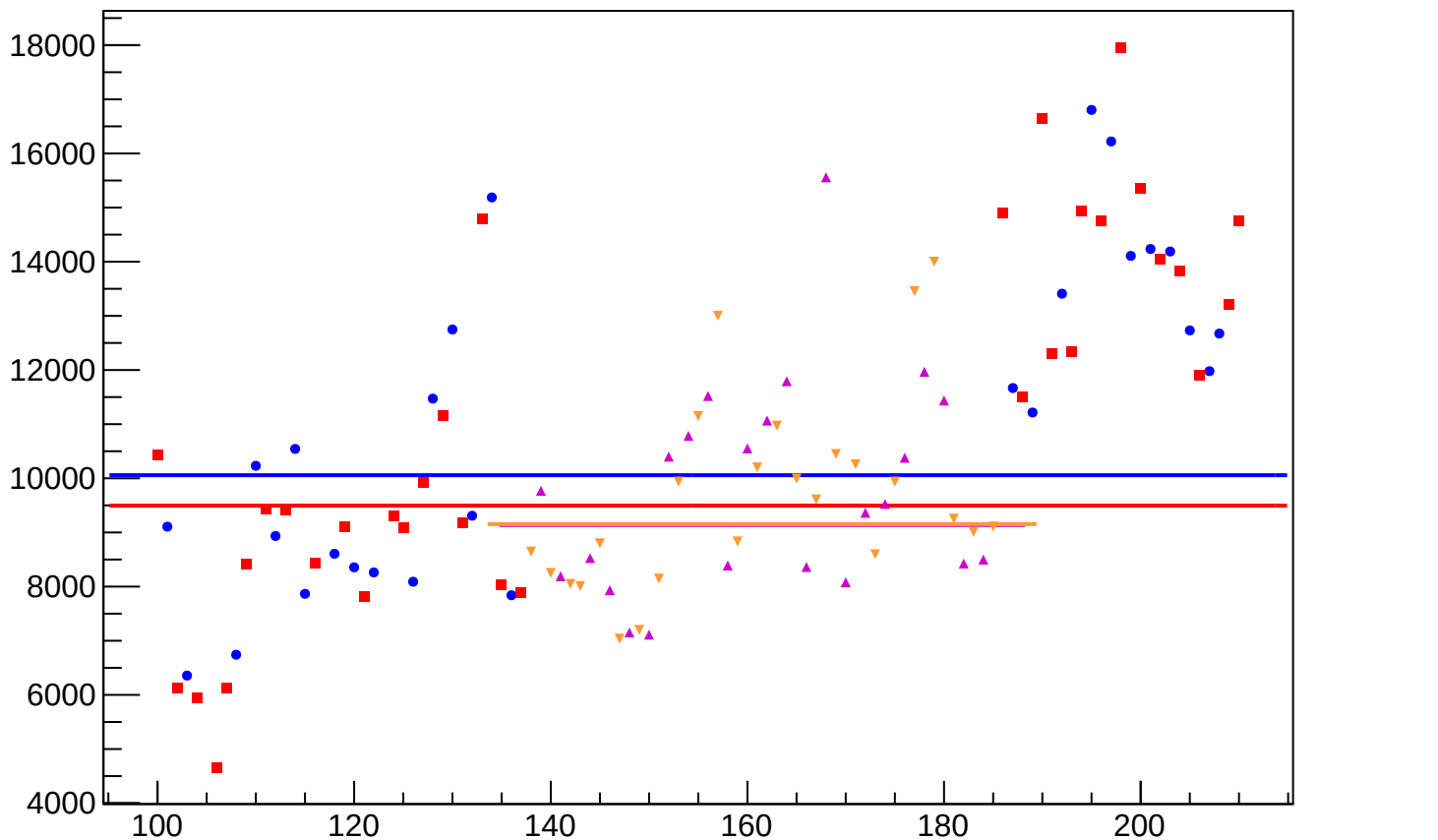
Left In: 377.927 ± 2176.350 $\chi^2/\text{NDF}: 14.2/22$

+ sign 320.348 ± 1654.150 $\chi^2/\text{NDF}: 55.2/51$

All: 1141.121 ± 1152.035 $\chi^2/\text{NDF}: 103.8/107$

- sign 1914.220 ± 1605.391 $\chi^2/\text{NDF}: 48.2/55$

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 10057.590 $\pm$ 1.866 χ^2 /NDF: 2378752.7/26

Left Out: 9154.703 $\pm$ 1.501 χ^2 /NDF:1072075.9/24

Right Out: 9495.241 $\pm$ 1.681 χ^2 /NDF: 4111003.9/32

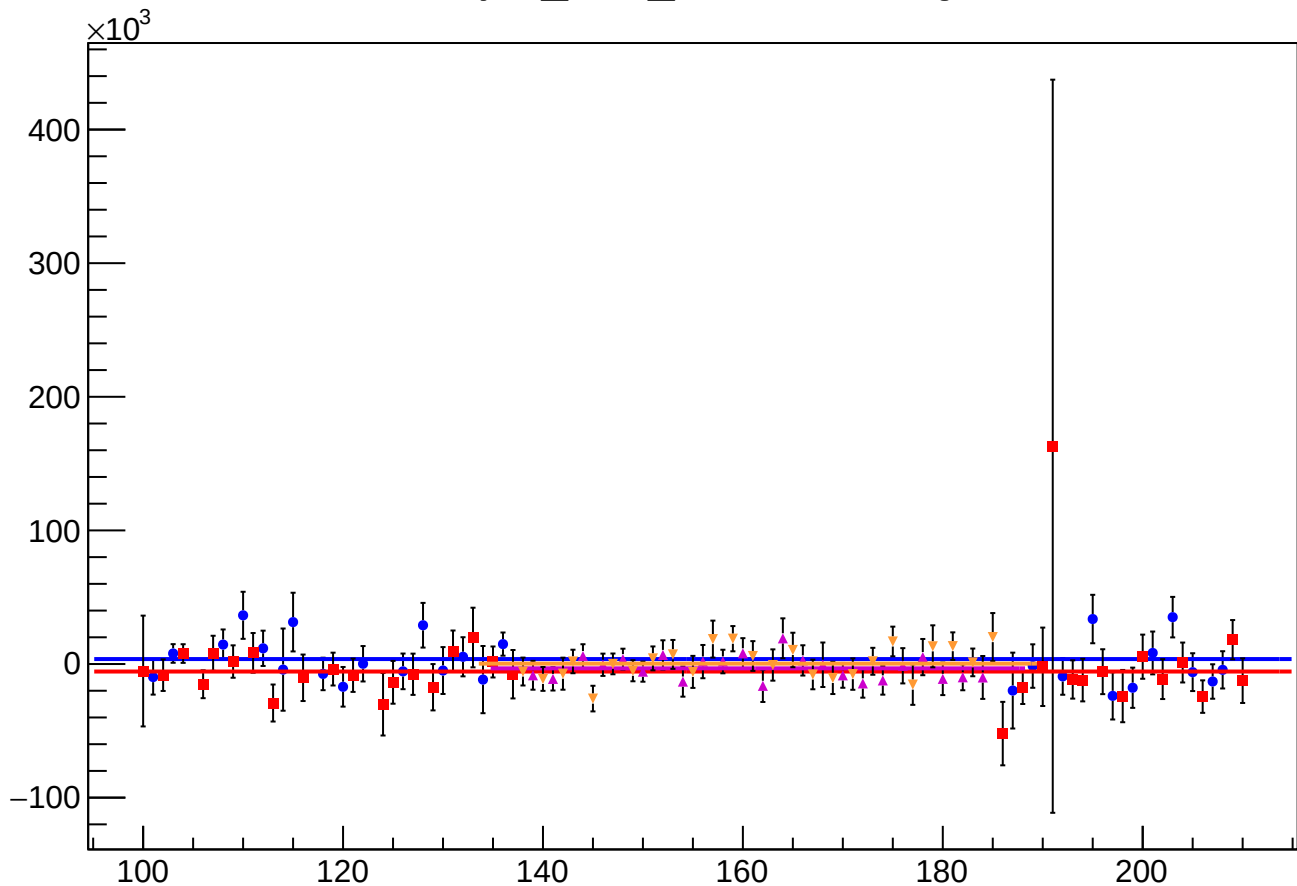
Left In: 9137.590 $\pm$ 1.539 χ^2 /NDF:1172796.0/22

+ sign 9509.514 $\pm$ 1.170 χ^2 /NDF: 3592969.3/51

All: 9401.949 $\pm$ 0.815 χ^2 /NDF: 8917814.7/10

- sign 9300.632 $\pm$ 1.135 χ^2 /NDF: 5308422.4/55

asym_atr2_mean vs Slug



Right In: 3715.149 $\pm$ 2666.405 χ^2 /NDF: 31.5/26

Left Out: 295.038 $\pm$ 2125.383 χ^2 /NDF: 26.3/24

Right Out: -5616.734 $\pm$ 2511.392 χ^2 /NDF: 26.9/32

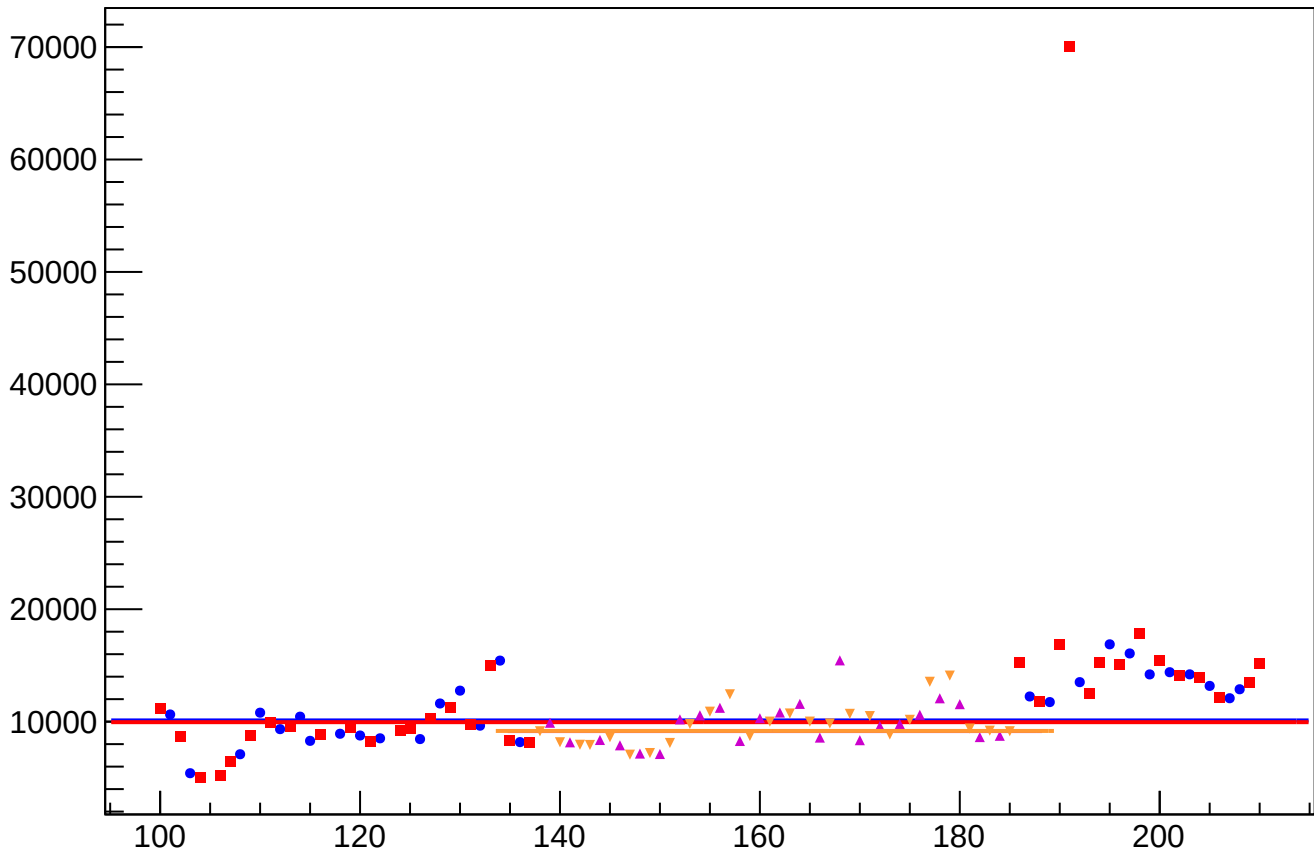
Left In: -3233.667 $\pm$ 2179.845 χ^2 /NDF: 13.6/22

+ sign 1623.803 $\pm$ 1661.996 χ^2 /NDF: 58.8/51

All: -1344.968 $\pm$ 1169.588 χ^2 /NDF: 106.2/10

- sign -4257.617 $\pm$ 1646.212 χ^2 /NDF: 41.0/55

asym_atr2_rms vs Slug



Right In: 10108.444 $\pm$ 1.885 χ^2 /NDF: 2741329.8/26

Left Out: 9172.826 $\pm$ 1.503 χ^2 /NDF:1056946.9/24

Right Out: 9953.199 $\pm$ 1.776 χ^2 /NDF: 3905062.9/32

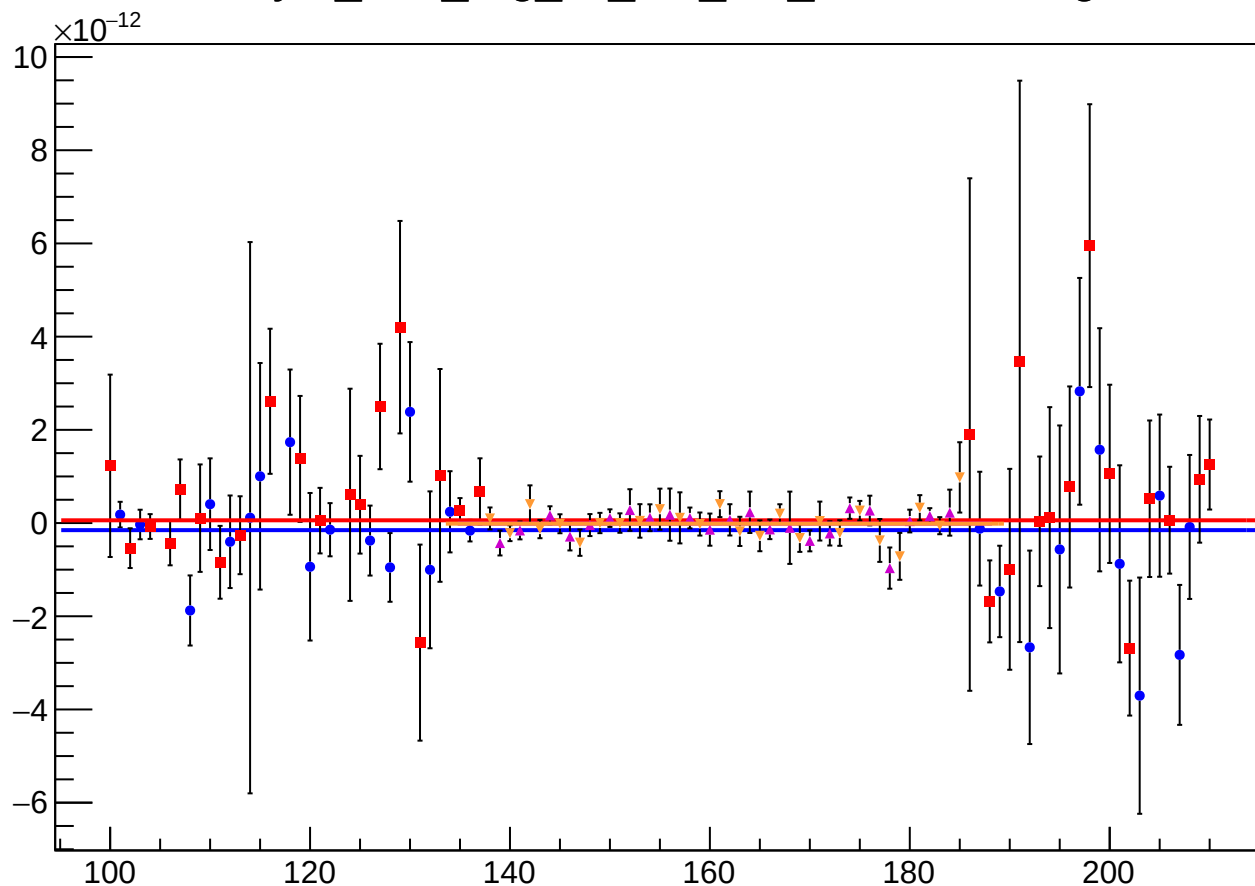
Left In: 9162.276 $\pm$ 1.541 χ^2 /NDF:1127533.4/22

+ sign 9536.328 $\pm$ 1.175 χ^2 /NDF: 3948854.4/51

All: 9519.064 $\pm$ 0.827 χ^2 /NDF: 9095014.1/10

- sign 9502.126 $\pm$ 1.164 χ^2 /NDF: 5145732.2/55

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.5/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 19.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 34.0/32

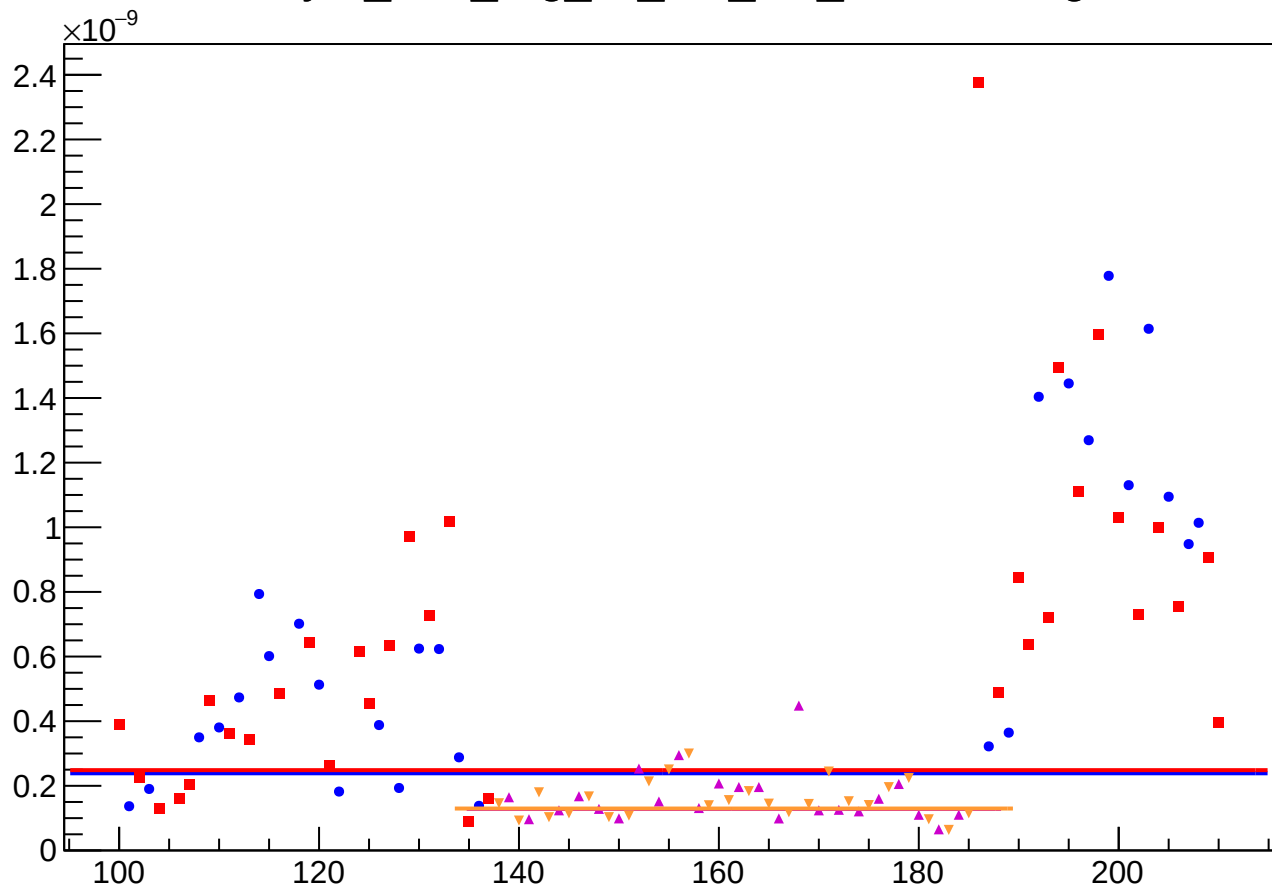
Left In: -0.000 ± 0.000 χ^2/NDF : 19.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 44.8/51

All: -0.000 ± 0.000 χ^2/NDF : 98.4/107

- sign -0.000 ± 0.000 χ^2/NDF : 53.4/55

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6060814.9/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1390522.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6365217.8/32

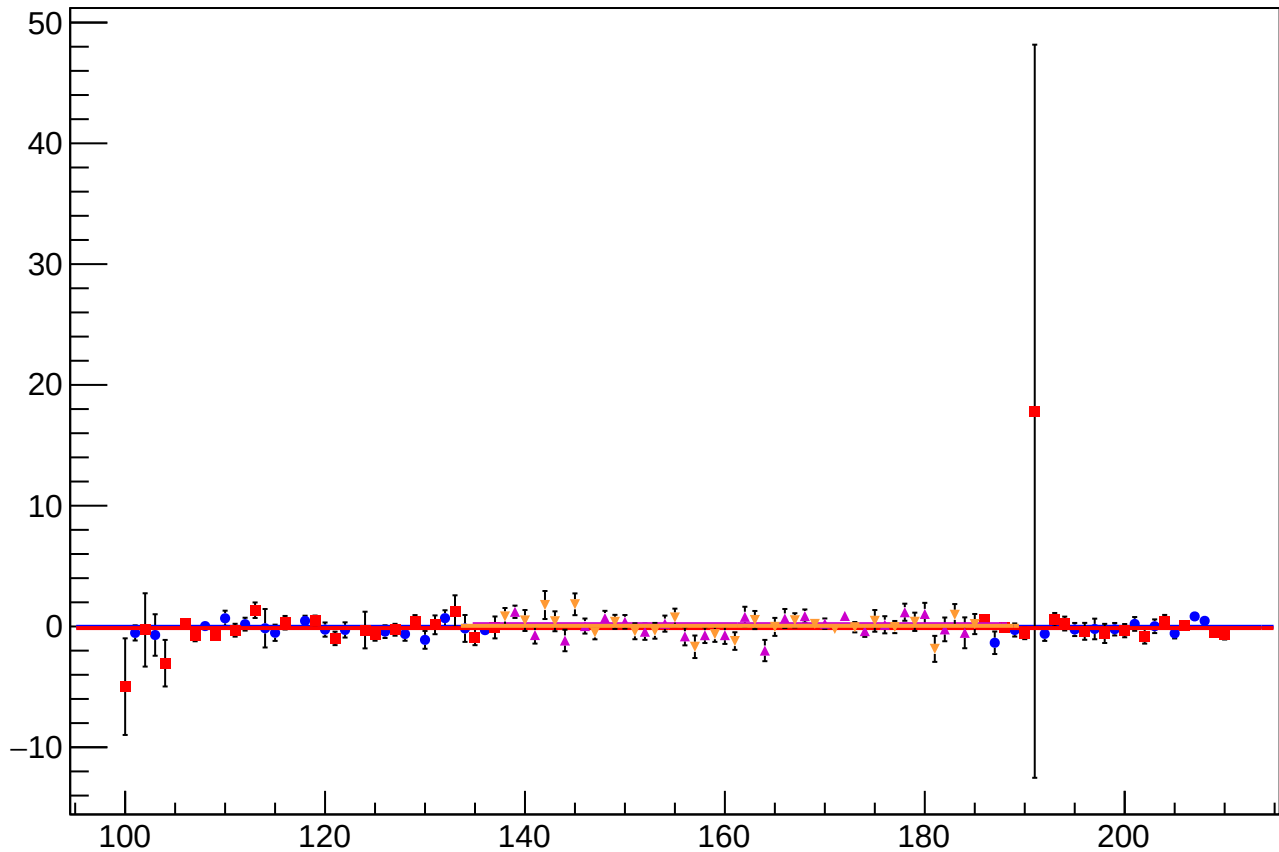
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1516080.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8664349.6/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 17967678.2/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9303125.9/55

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.027 ± 0.104 χ^2/NDF : 24.1/26

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.133 ± 0.089 χ^2/NDF : 36.8/32

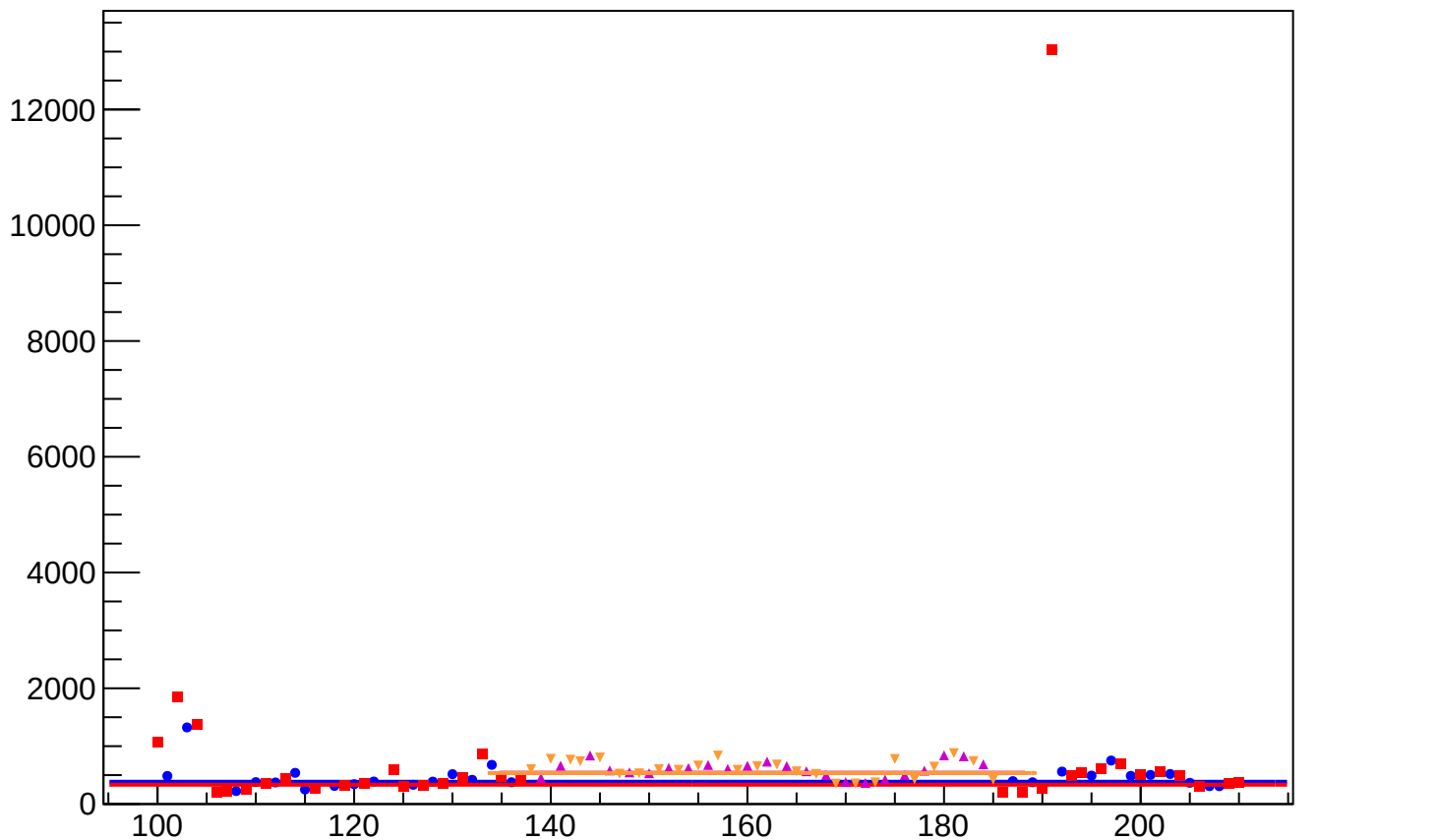
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign 0.005 ± 0.081 χ^2/NDF : 49.0/51

All: -0.016 ± 0.055 χ^2/NDF : 121.2/107

- sign -0.033 ± 0.074 χ^2/NDF : 72.0/55

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 384.996 $\pm$ 0.073 χ^2 /NDF: 2538390.8/26

Left Out: 535.943 $\pm$ 0.092 χ^2 /NDF: 2749736.4/24

Right Out: 333.699 $\pm$ 0.063 χ^2 /NDF: 5501601.5/32

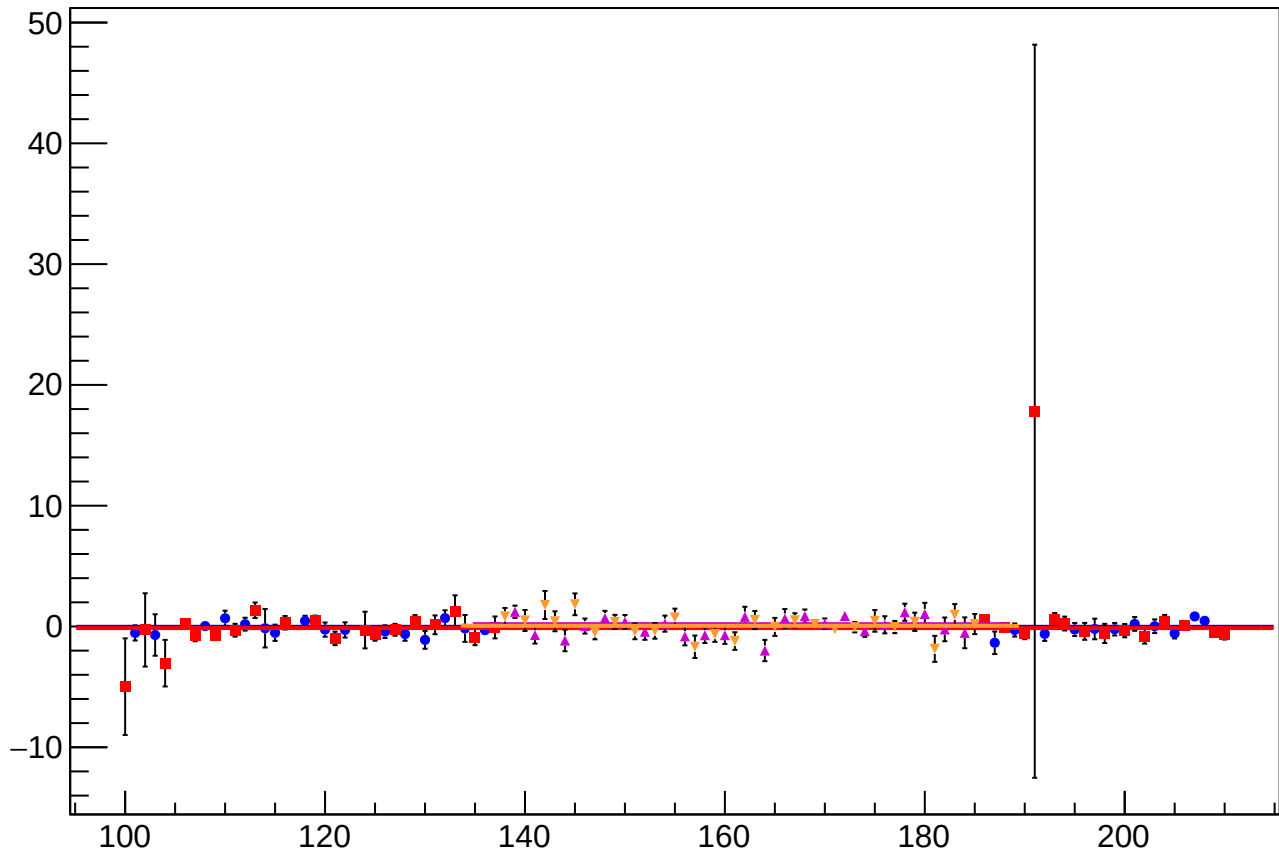
Left In: 540.804 $\pm$ 0.094 χ^2 /NDF: 1904998.0/22

+ sign 443.900 $\pm$ 0.057 χ^2 /NDF: 6945061.1/51

All: 418.526 $\pm$ 0.039 χ^2 /NDF: 18063747.5/10

- sign 397.391 $\pm$ 0.052 χ^2 /NDF: 10758028.2/55

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.027 ± 0.104 χ^2/NDF : 24.1/26

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.133 ± 0.089 χ^2/NDF : 36.8/32

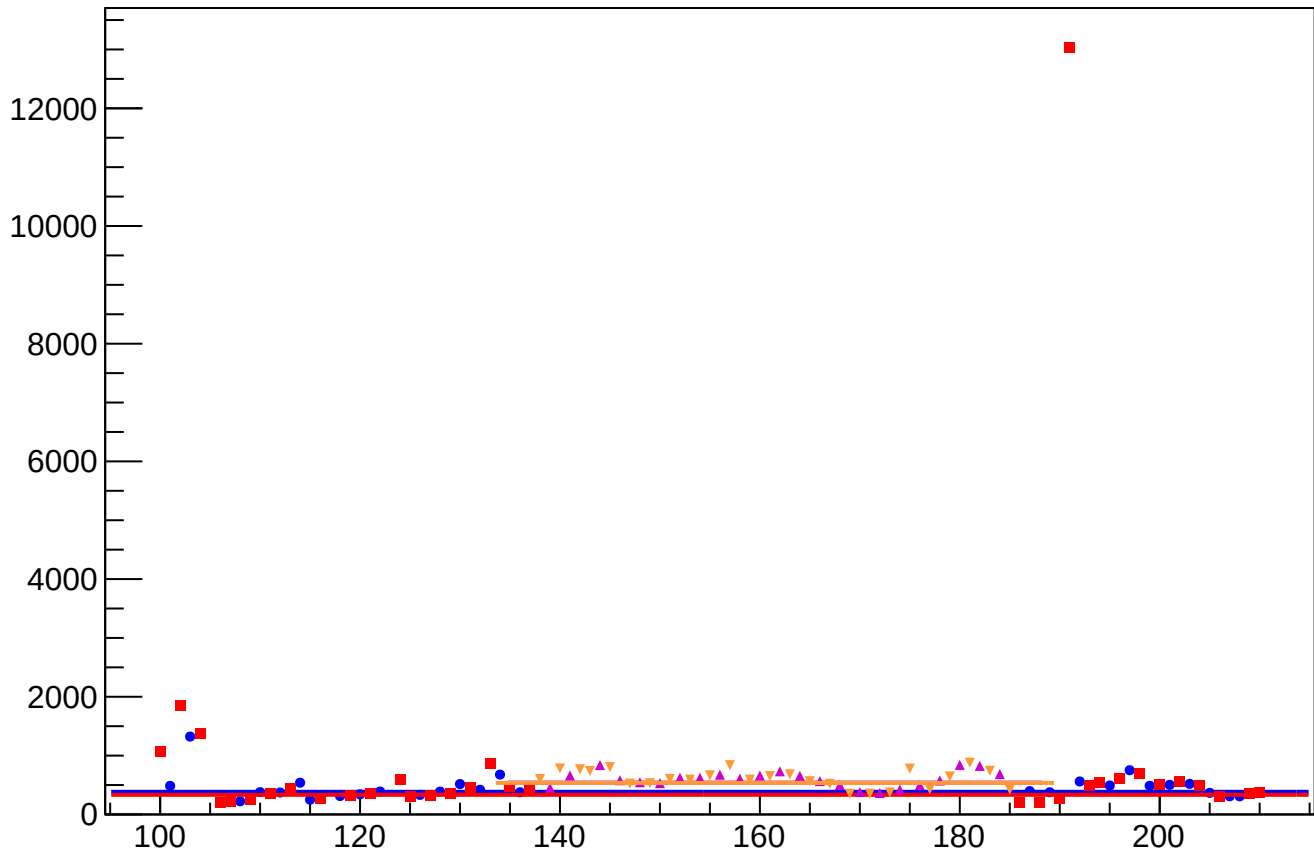
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign 0.005 ± 0.081 χ^2/NDF : 49.0/51

All: -0.016 ± 0.055 χ^2/NDF : 121.2/107

- sign -0.033 ± 0.074 χ^2/NDF : 72.0/55

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 384.996 ± 0.073 χ^2/NDF : 2538390.8/26

Left Out: 535.943 ± 0.092 χ^2/NDF : 2749736.4/24

Right Out: 333.699 ± 0.063 χ^2/NDF : 5501601.5/32

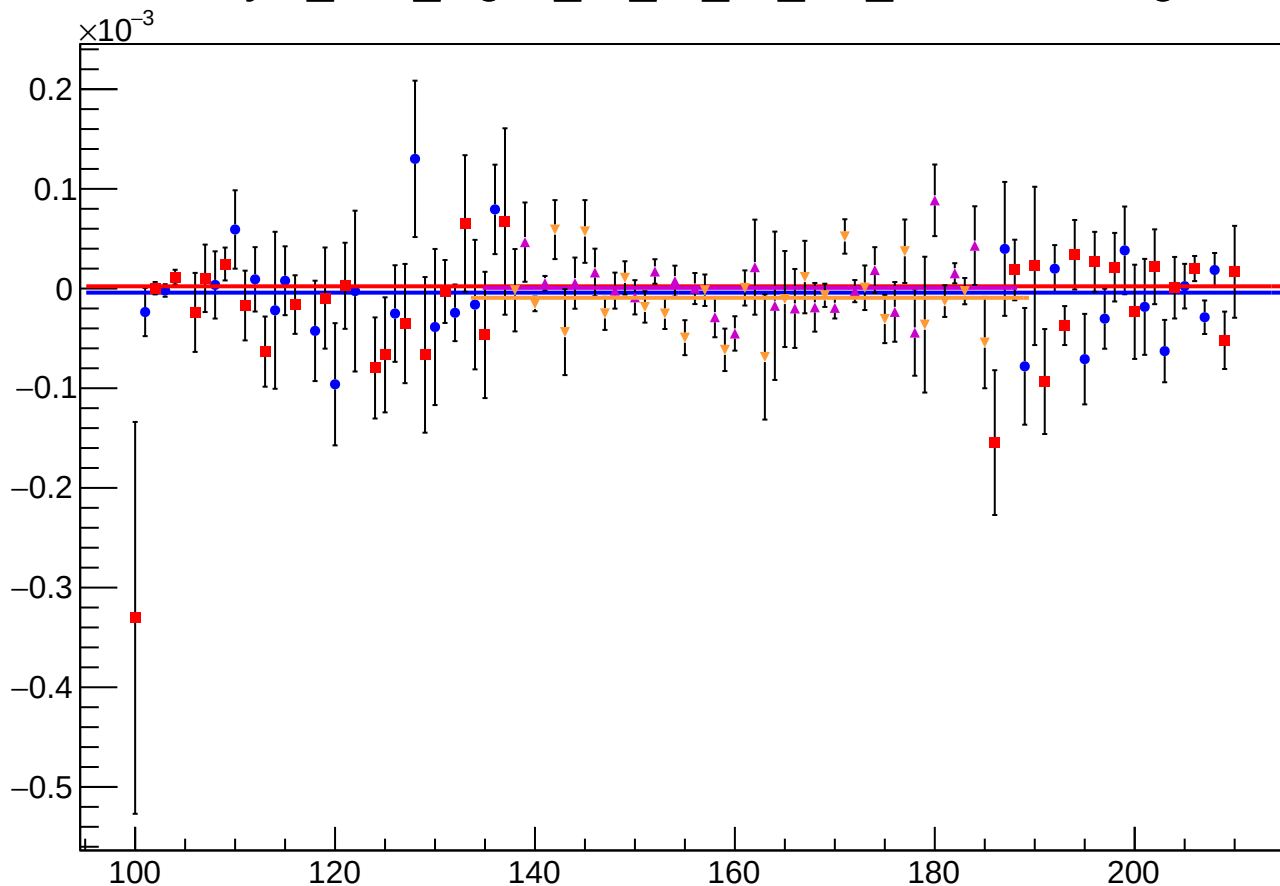
Left In: 540.804 ± 0.094 χ^2/NDF : 1904998.0/22

+ sign 443.900 ± 0.057 χ^2/NDF : 6945061.1/51

All: 418.526 ± 0.039 χ^2/NDF : 18063747.5/10

- sign 397.391 ± 0.052 χ^2/NDF : 10758028.2/55

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 28.4/26

Left Out: -0.000+/-0.000 χ^2 /NDF: 45.2/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 38.6/32

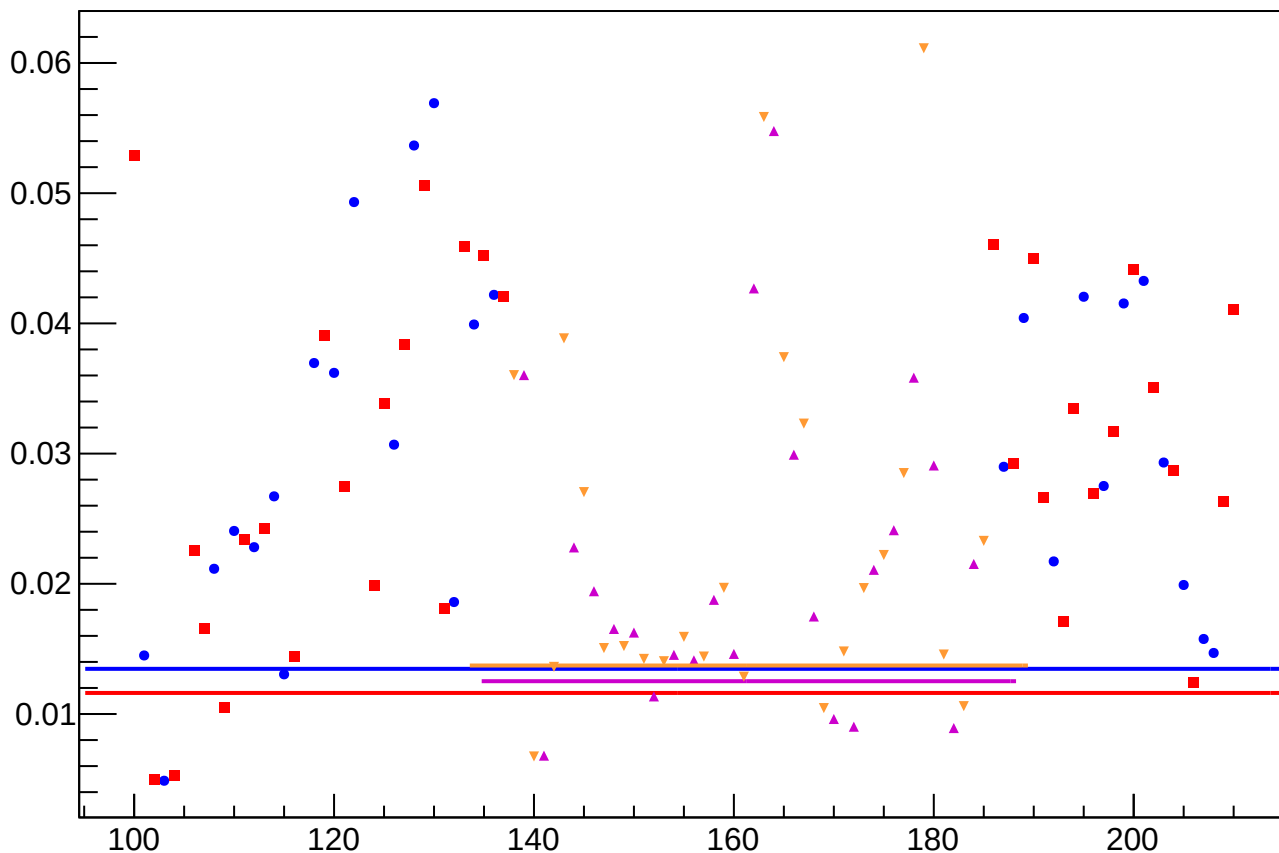
Left In: 0.000+/-0.000 χ^2 /NDF: 30.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 74.4/51

All: -0.000+/-0.000 χ^2 /NDF: 148.3/107

- sign 0.000+/-0.000 χ^2 /NDF: 68.7/55

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013 ± 0.000 $\chi^2/\text{NDF}: 12256998.1/26$

Left Out: 0.014 ± 0.000 $\chi^2/\text{NDF}: 7717157.8/24$

Right Out: 0.012 ± 0.000 $\chi^2/\text{NDF}: 15479768.6/32$

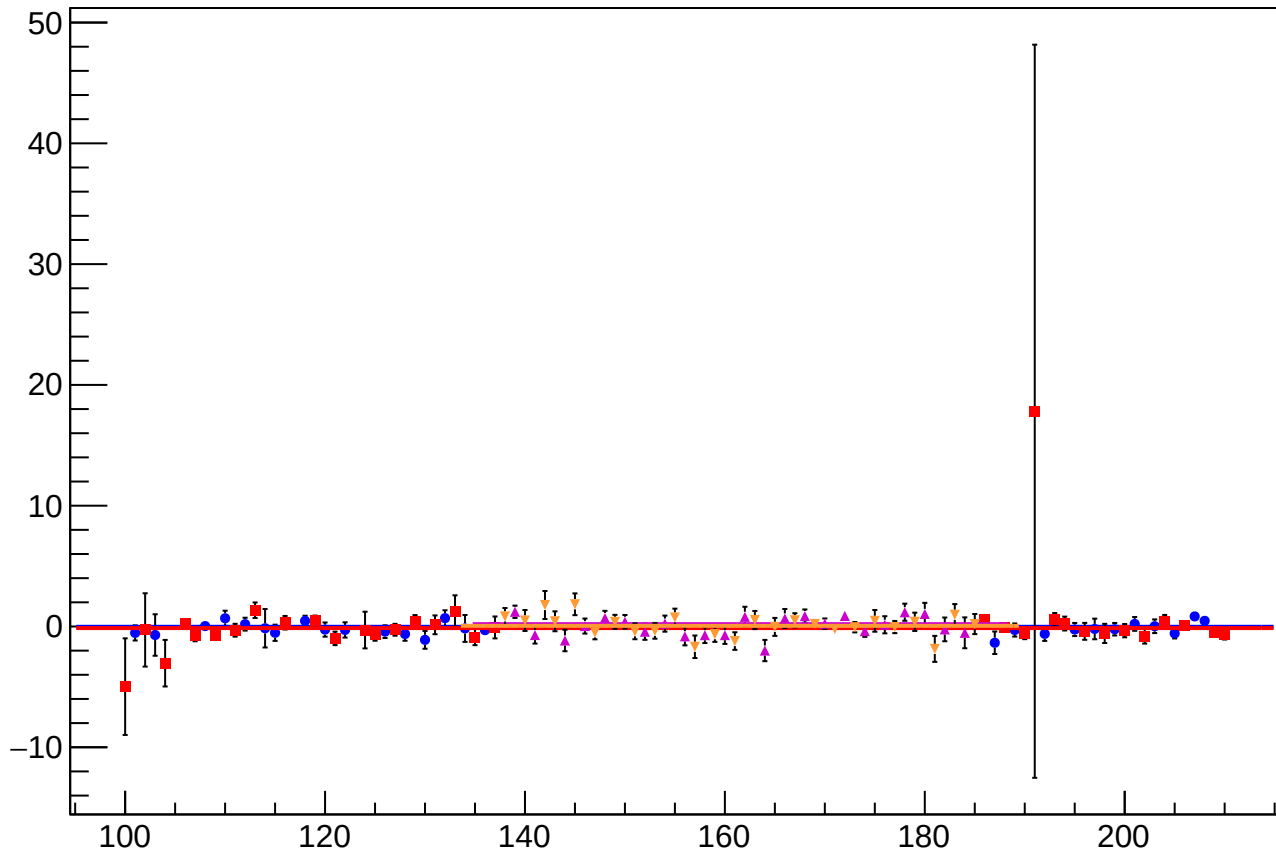
Left In: 0.013 ± 0.000 $\chi^2/\text{NDF}: 7121524.7/22$

+ sign 0.014 ± 0.000 $\chi^2/\text{NDF}: 19978069.0/51$

All: 0.013 ± 0.000 $\chi^2/\text{NDF}: 42969545.0/107$

- sign 0.012 ± 0.000 $\chi^2/\text{NDF}: 22665266.8/55$

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.027 ± 0.104 χ^2/NDF : 24.1/26

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.133 ± 0.089 χ^2/NDF : 36.8/32

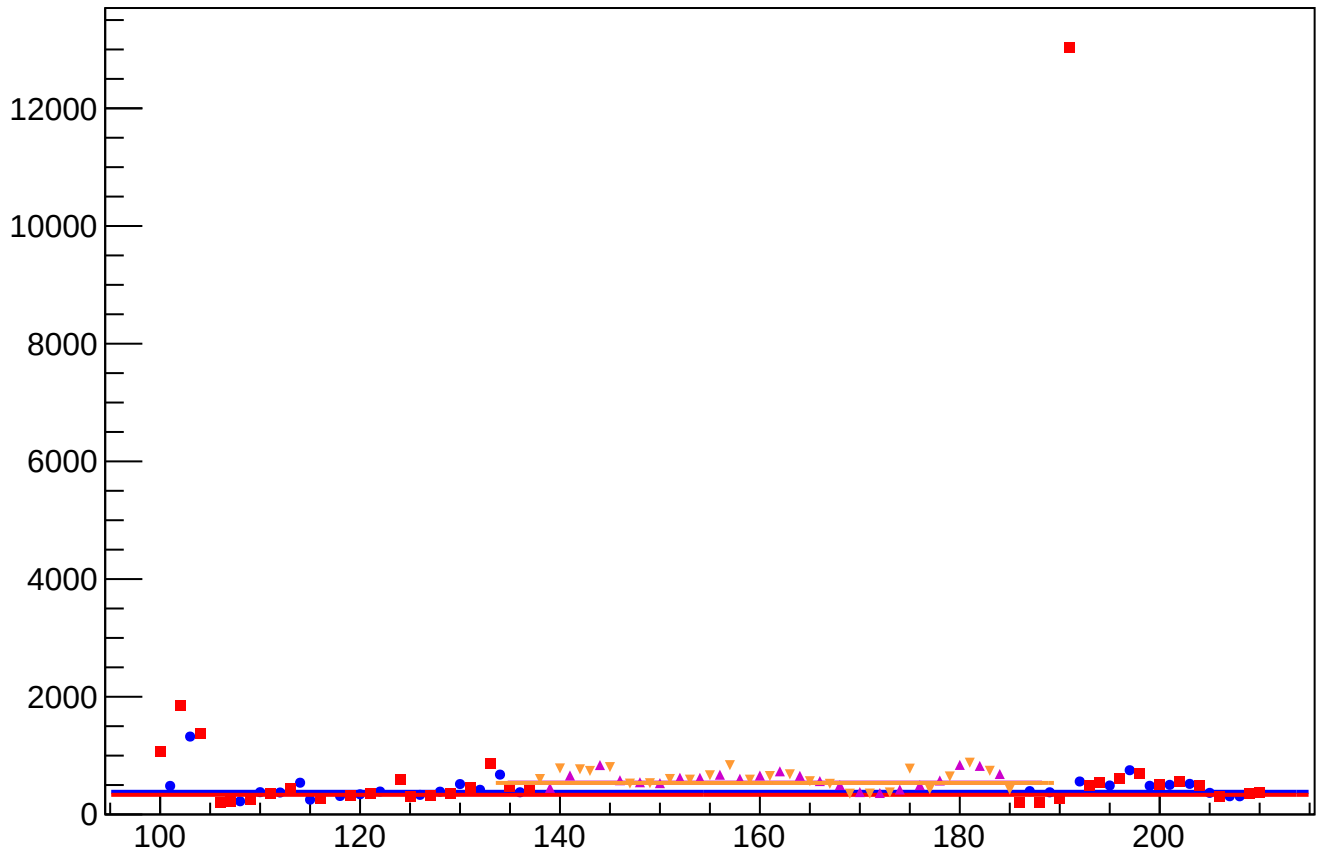
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign 0.005 ± 0.081 χ^2/NDF : 49.0/51

All: -0.016 ± 0.055 χ^2/NDF : 121.2/107

- sign -0.033 ± 0.074 χ^2/NDF : 72.0/55

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 384.994 ± 0.073 χ^2/NDF : 2538412.8/26

Left Out: 535.948 ± 0.092 χ^2/NDF : 2749816.2/24

Right Out: 333.698 ± 0.063 χ^2/NDF : 5501566.3/32

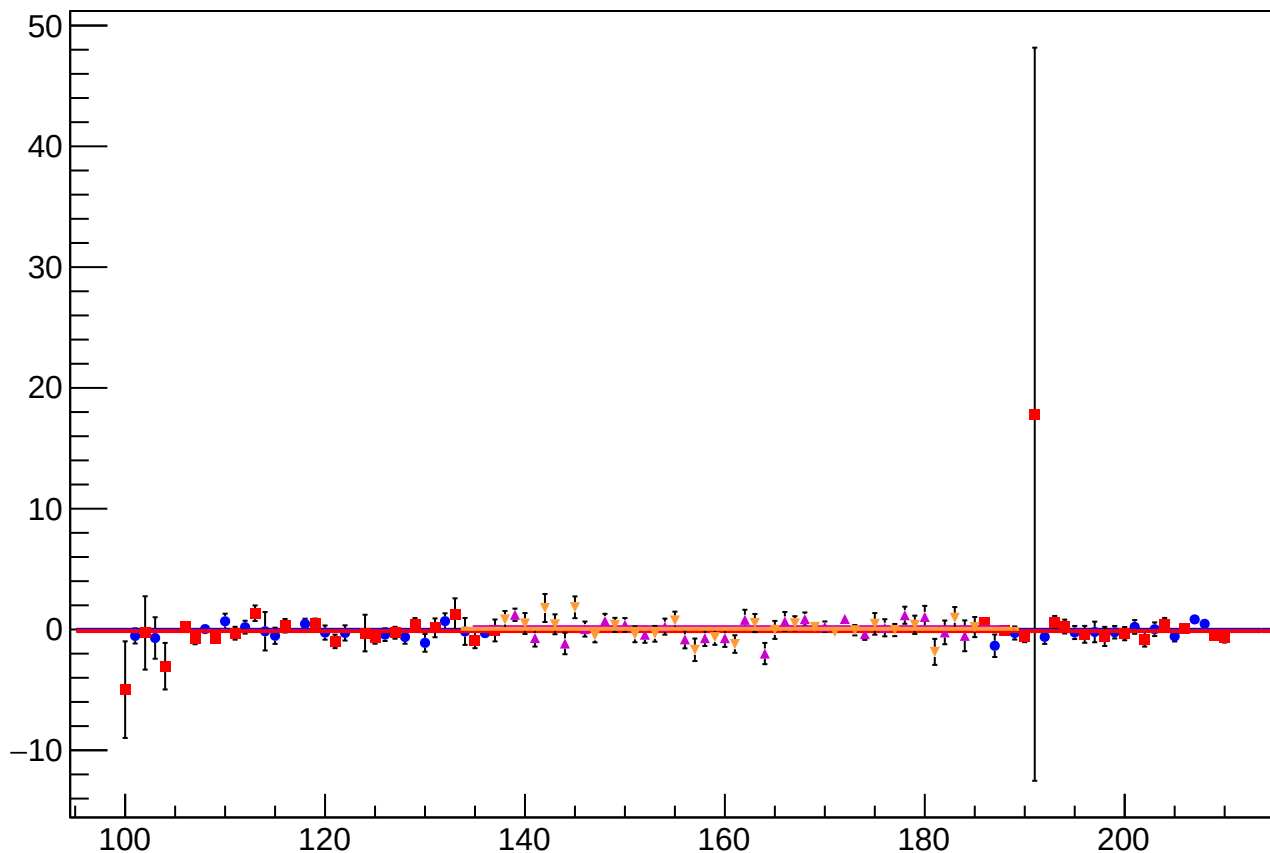
Left In: 540.809 ± 0.094 χ^2/NDF : 1905035.9/22

+ sign 443.899 ± 0.057 χ^2/NDF : 6945301.1/51

All: 418.526 ± 0.039 χ^2/NDF : 18064112.0/10

- sign 397.391 ± 0.052 χ^2/NDF : 10758166.5/55

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.027 ± 0.104 χ^2/NDF : 24.1/26

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.133 ± 0.089 χ^2/NDF : 36.8/32

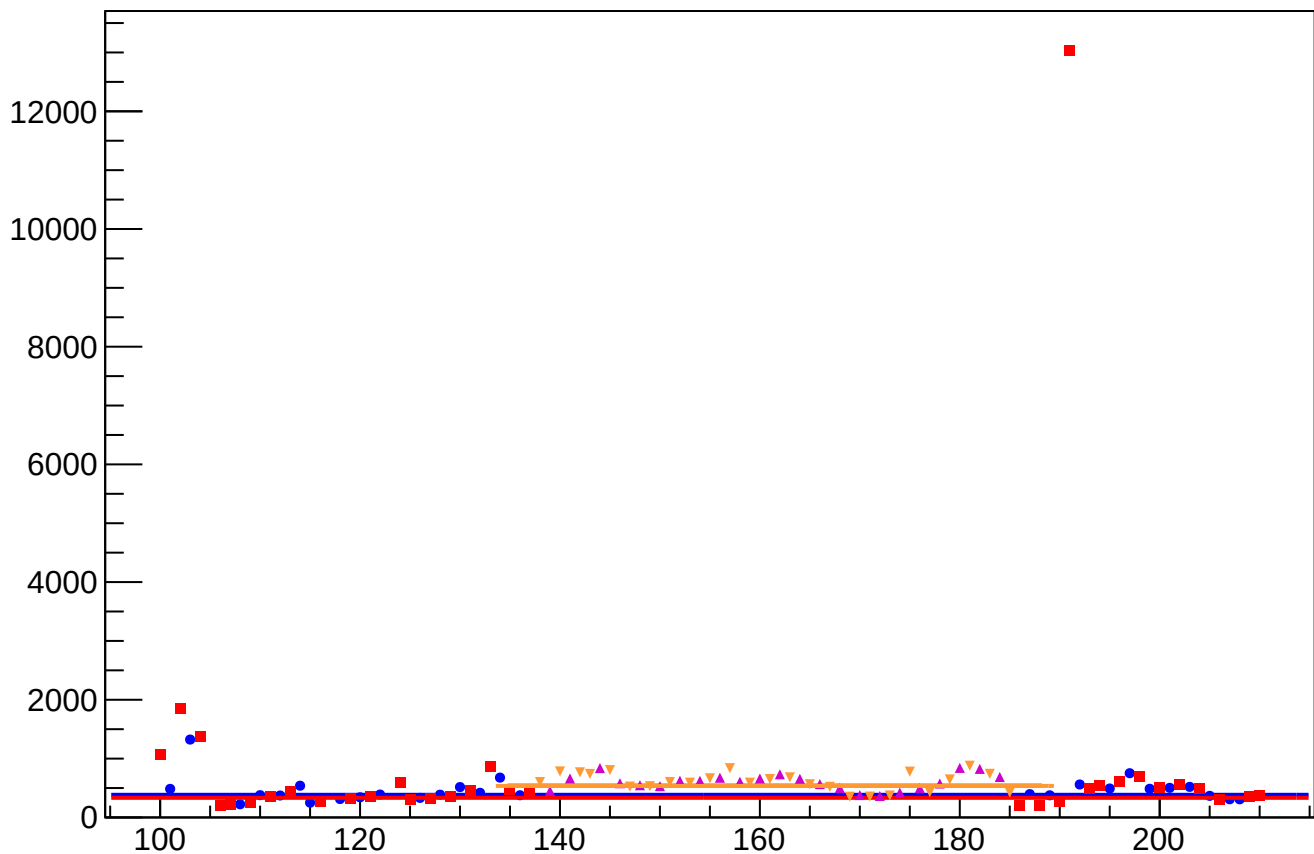
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign 0.005 ± 0.081 χ^2/NDF : 49.0/51

All: -0.016 ± 0.055 χ^2/NDF : 121.2/107

- sign -0.033 ± 0.074 χ^2/NDF : 72.0/55

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 384.994 $\pm$ 0.073 χ^2 /NDF: 2538412.8/26

Left Out: 535.948 $\pm$ 0.092 χ^2 /NDF: 2749816.2/24

Right Out: 333.698 $\pm$ 0.063 χ^2 /NDF: 5501566.3/32

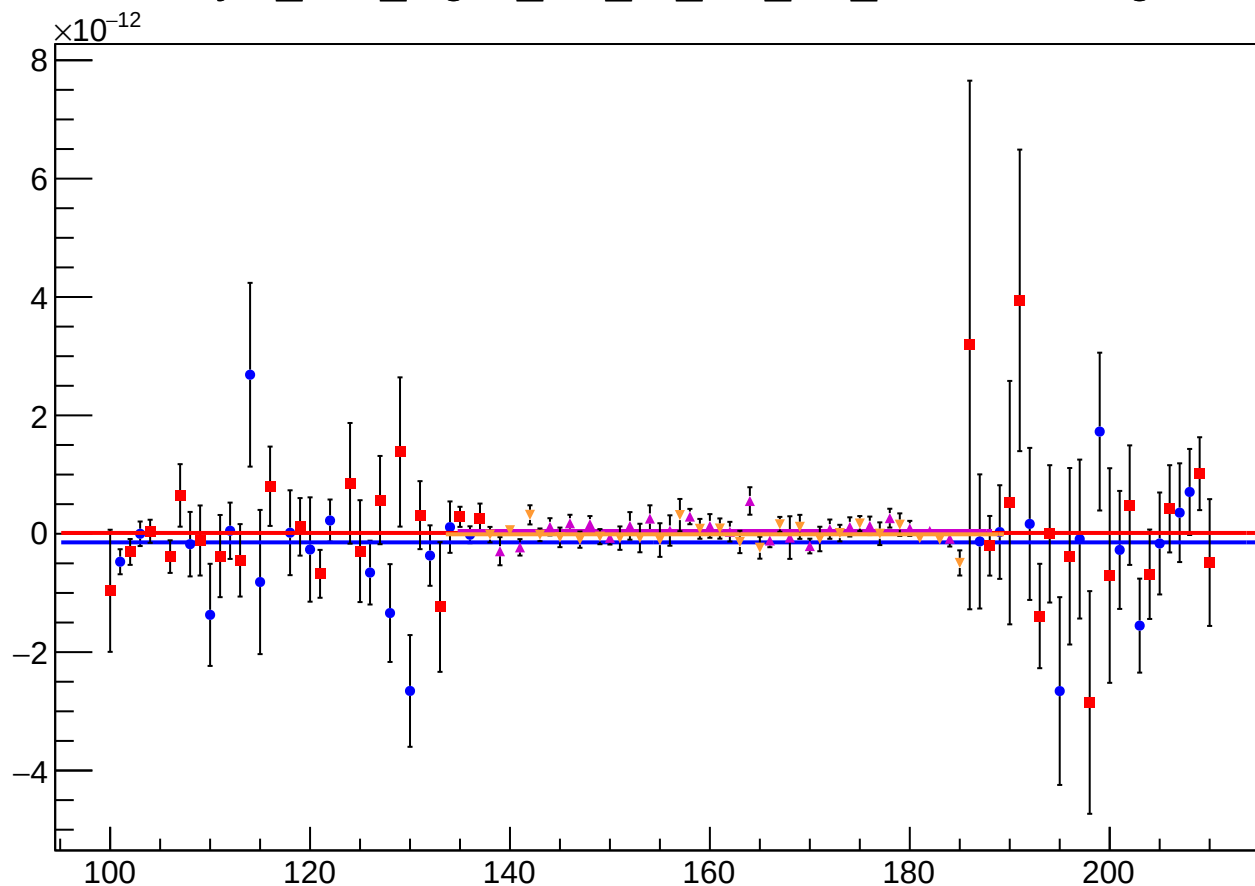
Left In: 540.809 $\pm$ 0.094 χ^2 /NDF: 1905035.9/22

+ sign 443.899 $\pm$ 0.057 χ^2 /NDF: 6945301.1/51

All: 418.526 $\pm$ 0.039 χ^2 /NDF: 18064112.0/10

- sign 397.391 $\pm$ 0.052 χ^2 /NDF: 10758166.5/55

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 30.7/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 31.9/32

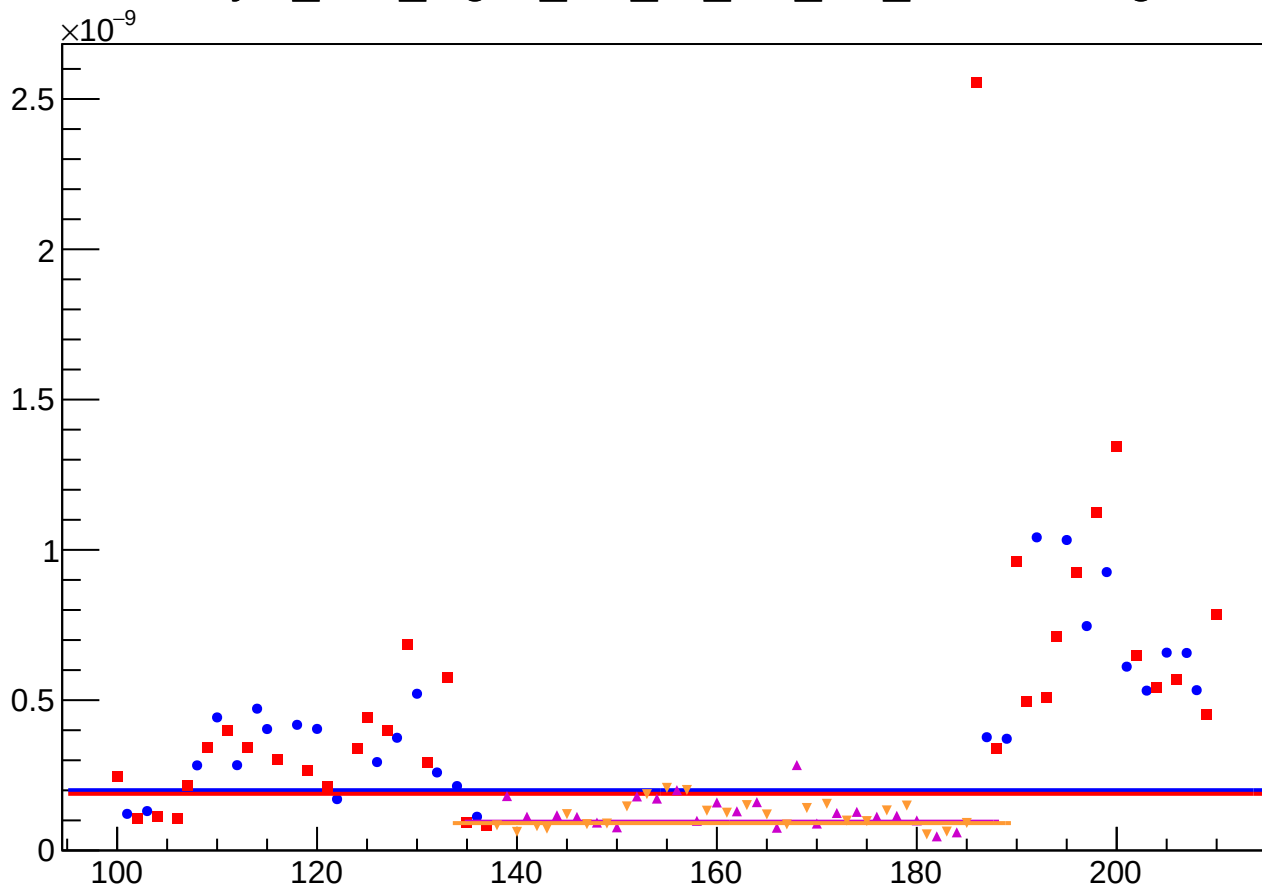
Left In: 0.000 ± 0.000 χ^2/NDF : 28.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 55.2/51

All: 0.000 ± 0.000 χ^2/NDF : 118.4/107

- sign 0.000 ± 0.000 χ^2/NDF : 60.2/55

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7107875.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3367730.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9184706.2/32

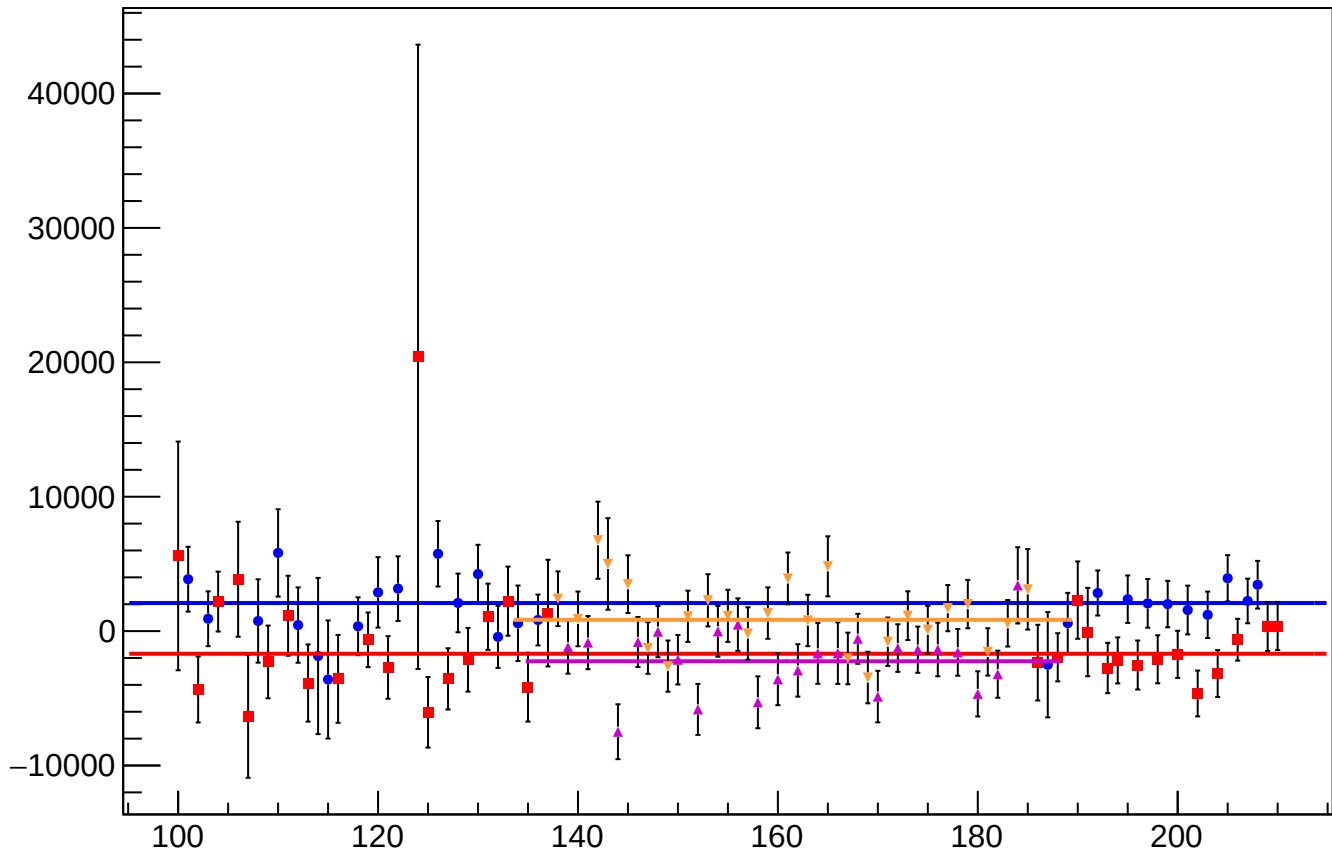
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3905784.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13569780.2/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29100629.3/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15495019.1/55

reg_asym_atl_avg_mean vs Slug



Right In: 2089.367+/-416.134 χ^2/NDF : 15.1/26

Left Out: 841.572+/-394.444 χ^2/NDF : 30.4/24

Right Out: -1685.135+/-397.162 χ^2/NDF : 29.1/32

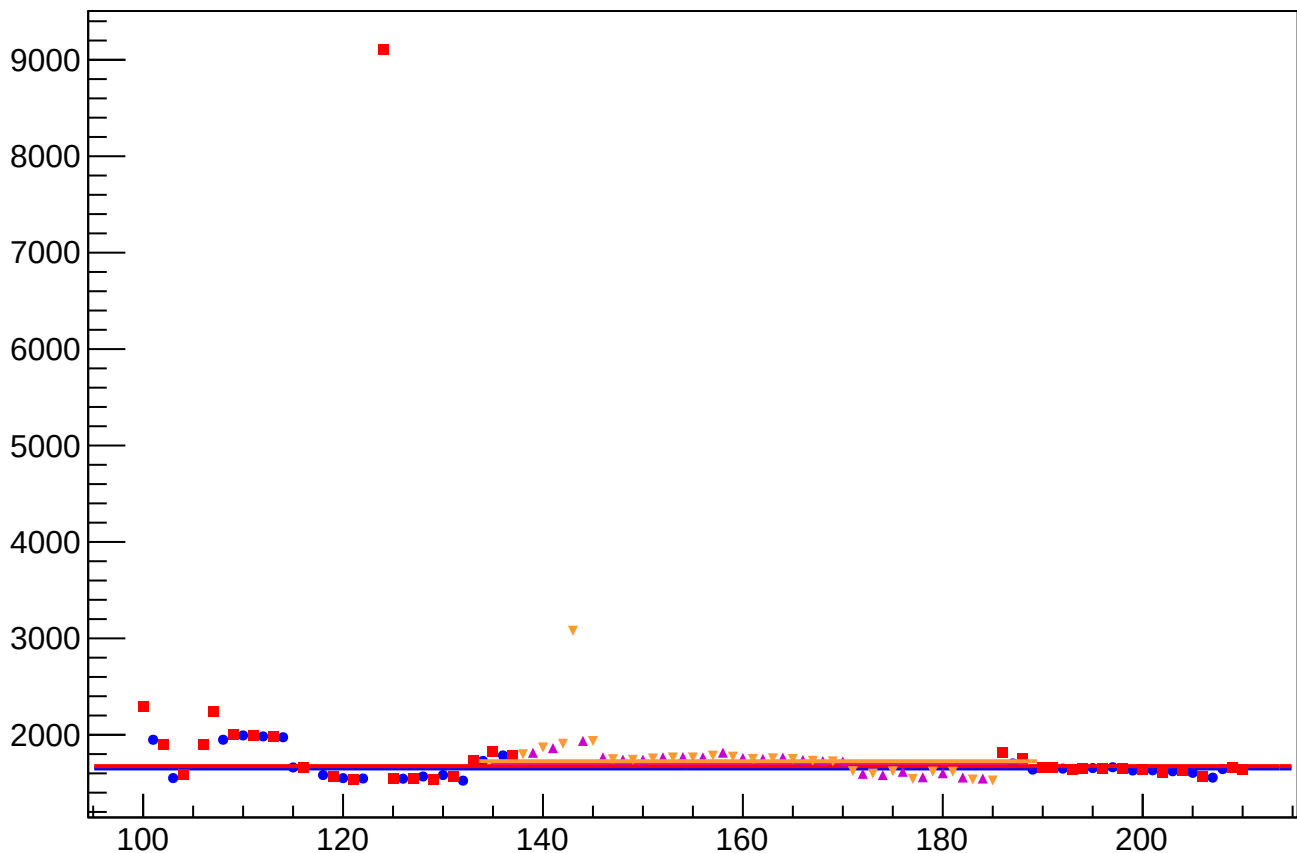
Left In: -2245.041+/-400.753 χ^2/NDF : 29.4/22

+ sign 1432.104+/-286.275 χ^2/NDF : 50.2/51

All: -290.184+/-200.934 χ^2/NDF : 181.0/107

- sign -1962.568+/-282.097 χ^2/NDF : 59.5/55

reg_asym_atl_avg_rms vs Slug



Right In: 1651.174 $\pm$ 0.294 χ^2 /NDF: 154873.5/26

Left Out: 1726.058 $\pm$ 0.279 χ^2 /NDF: 454930.8/24

Right Out: 1675.119 $\pm$ 0.280 χ^2 /NDF: 418942.1/32

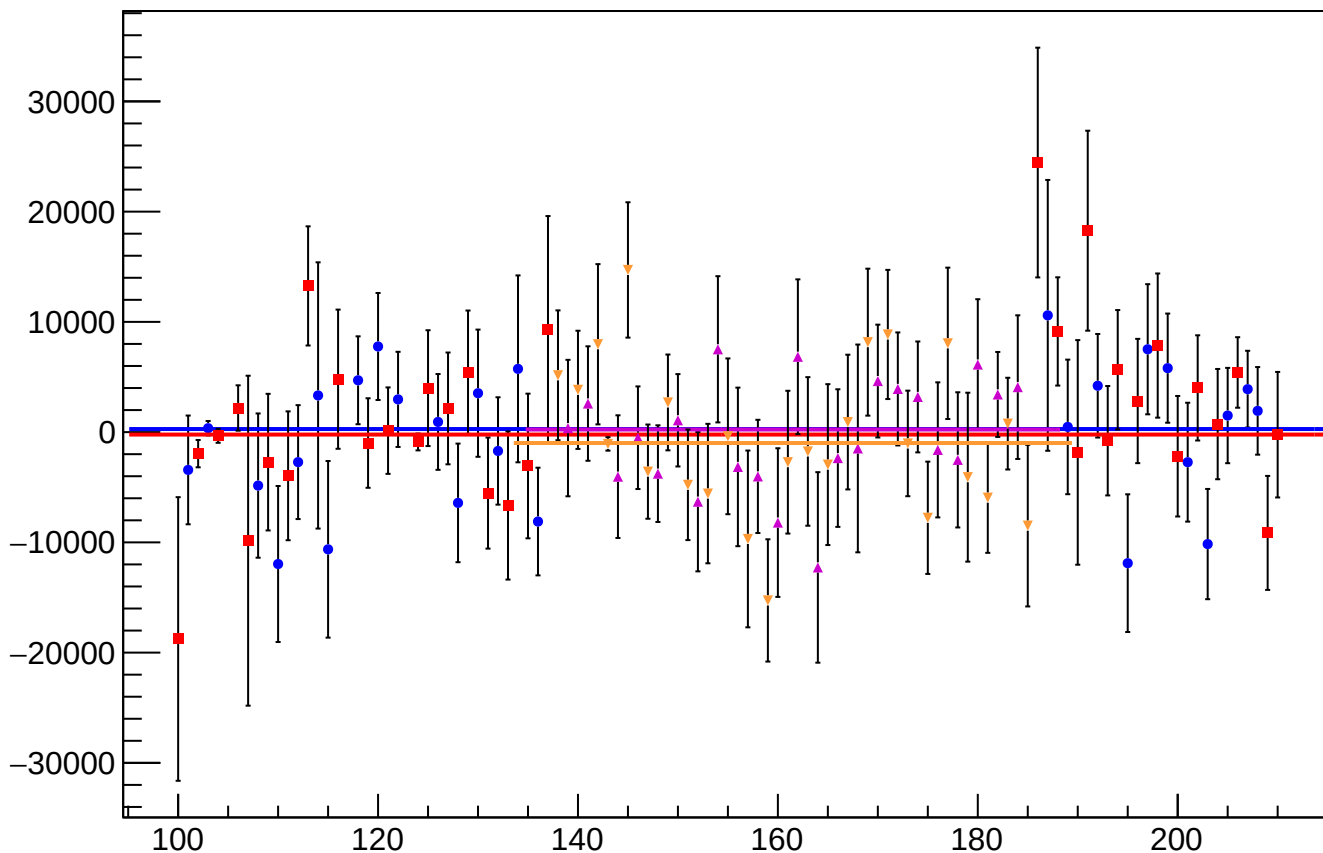
Left In: 1713.156 $\pm$ 0.283 χ^2 /NDF: 129290.6/22

+ sign 1690.618 $\pm$ 0.202 χ^2 /NDF: 643919.0/51

All: 1692.301 $\pm$ 0.142 χ^2 /NDF: 1201393.8/10

- sign 1693.931 $\pm$ 0.199 χ^2 /NDF: 557338.8/55

asym_atl_avg_reg_correction_mean vs Slug



Right In: 280.331 $\pm$ 550.075 χ^2 /NDF: 29.8/26

Left Out: -987.621 $\pm$ 541.250 χ^2 /NDF:30.8/24

Right Out: -221.333 $\pm$ 407.319 χ^2 /NDF: 42.5/32

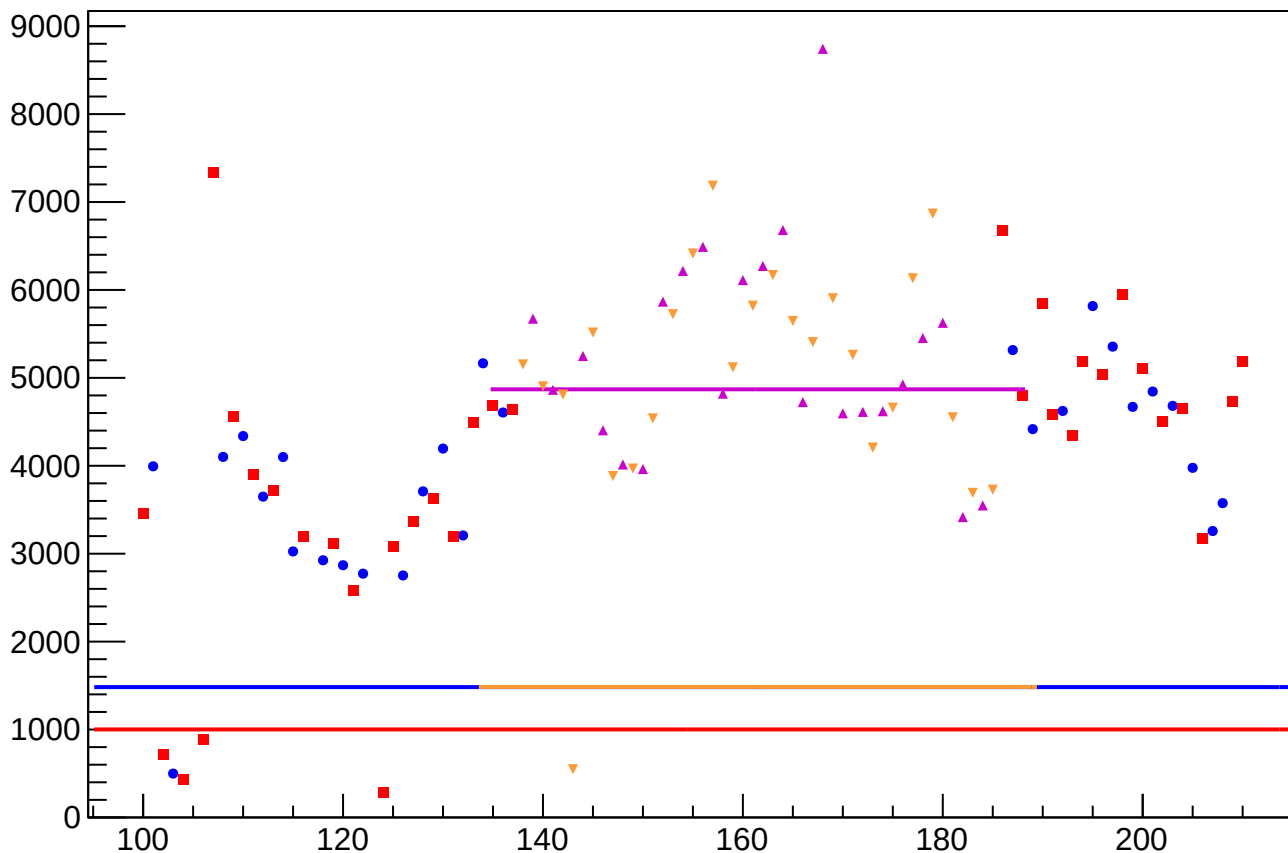
Left In: 239.582 $\pm$ 1165.046 χ^2 /NDF:13.5/22

+ sign -363.897 $\pm$ 385.804 χ^2 /NDF: 63.3/51

All: -267.187 $\pm$ 272.341 χ^2 /NDF: 119.6/107

- sign -171.131 $\pm$ 384.497 χ^2 /NDF: 56.2/55

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1482.408 $\pm$ 0.389 χ^2 /NDF: 16757412.8/26

Left Out: 1484.563 $\pm$ 0.383 χ^2 /NDF: 23224946.4/24

Right Out: 1001.106 $\pm$ 0.288 χ^2 /NDF: 22861230.2/32

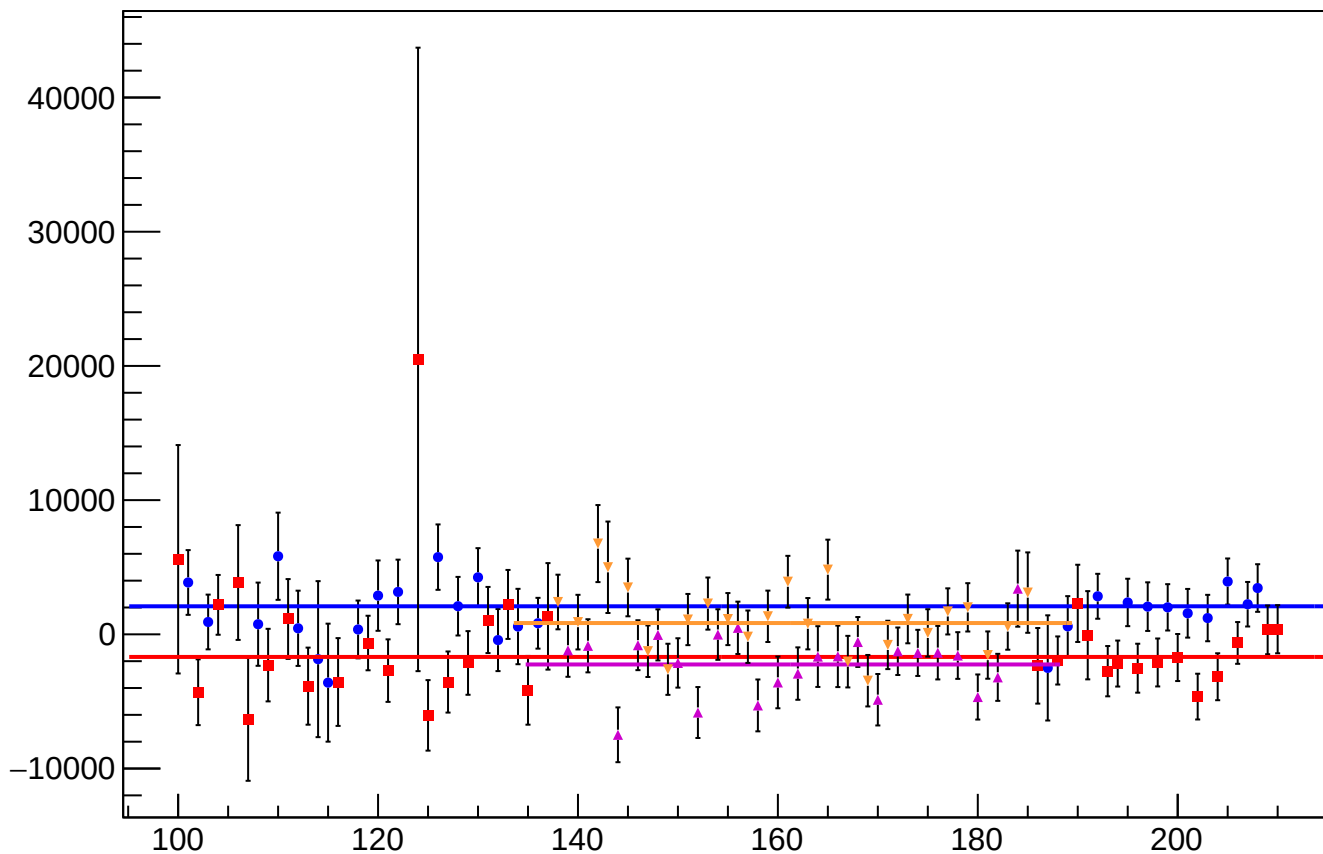
Left In: 4869.707 $\pm$ 0.824 χ^2 /NDF: 1474225.9/22

+ sign 1483.503 $\pm$ 0.273 χ^2 /NDF: 39982374.7/51

All: 1452.881 $\pm$ 0.193 χ^2 /NDF: 83993237.9/1

- sign 1422.466 $\pm$ 0.272 χ^2 /NDF: 43985749.3/55

cor_asym_atl_avg_mean vs Slug



Right In: 2089.428+/-416.134 χ^2/NDF : 15.1/26

Left Out: 841.564+/-394.444 χ^2/NDF : 30.4/24

Right Out: -1684.208+/-397.163 χ^2/NDF : 29.0/32

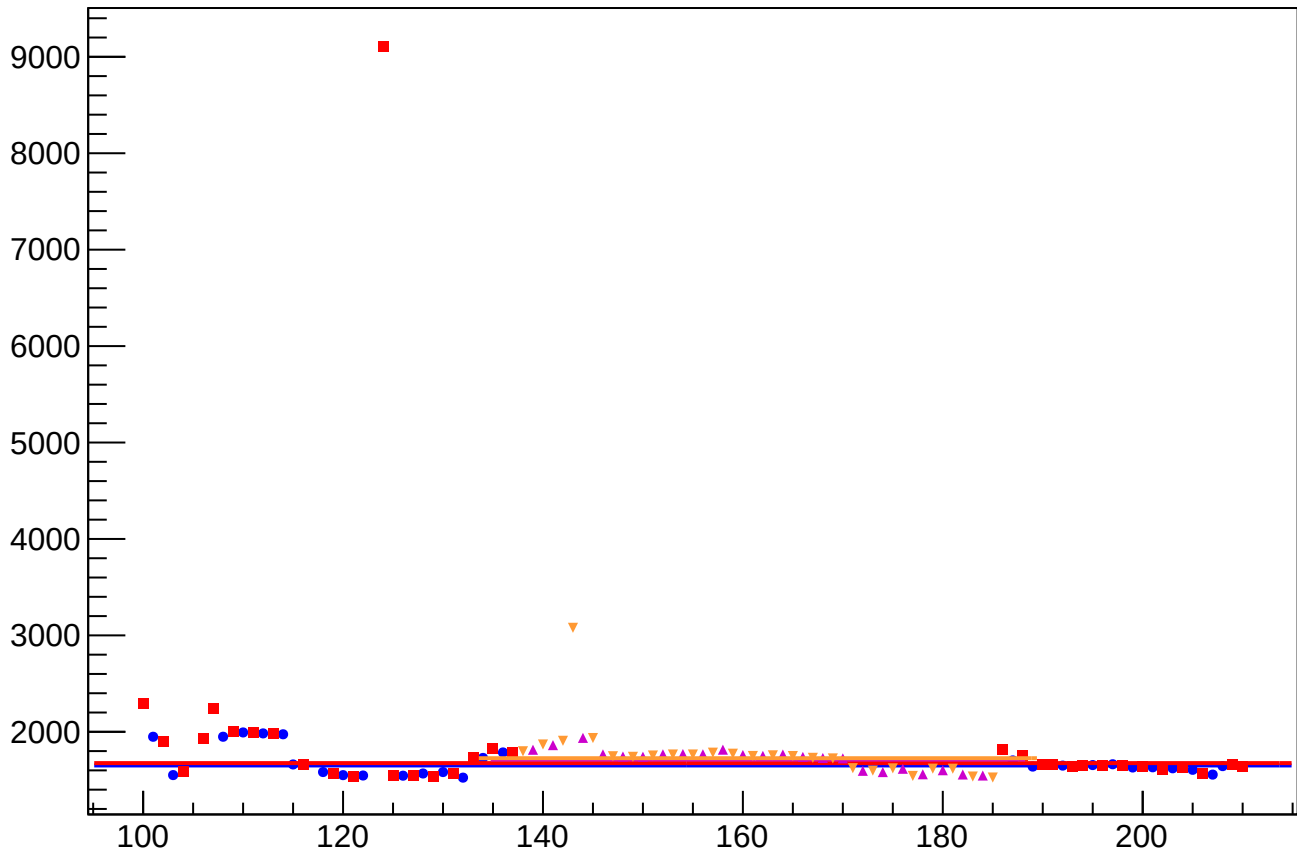
Left In: -2245.061+/-400.753 χ^2/NDF : 29.4/22

+ sign 1432.129+/-286.275 χ^2/NDF : 50.2/51

All: -289.937+/-200.934 χ^2/NDF : 181.0/107

- sign -1962.111+/-282.098 χ^2/NDF : 59.4/55

cor_asym_atl_avg_rms vs Slug



Right In: 1651.174 $\pm$ 0.294 χ^2 /NDF: 154873.5/26

Left Out: 1726.058 $\pm$ 0.279 χ^2 /NDF: 454930.8/24

Right Out: 1675.423 $\pm$ 0.280 χ^2 /NDF: 421030.7/32

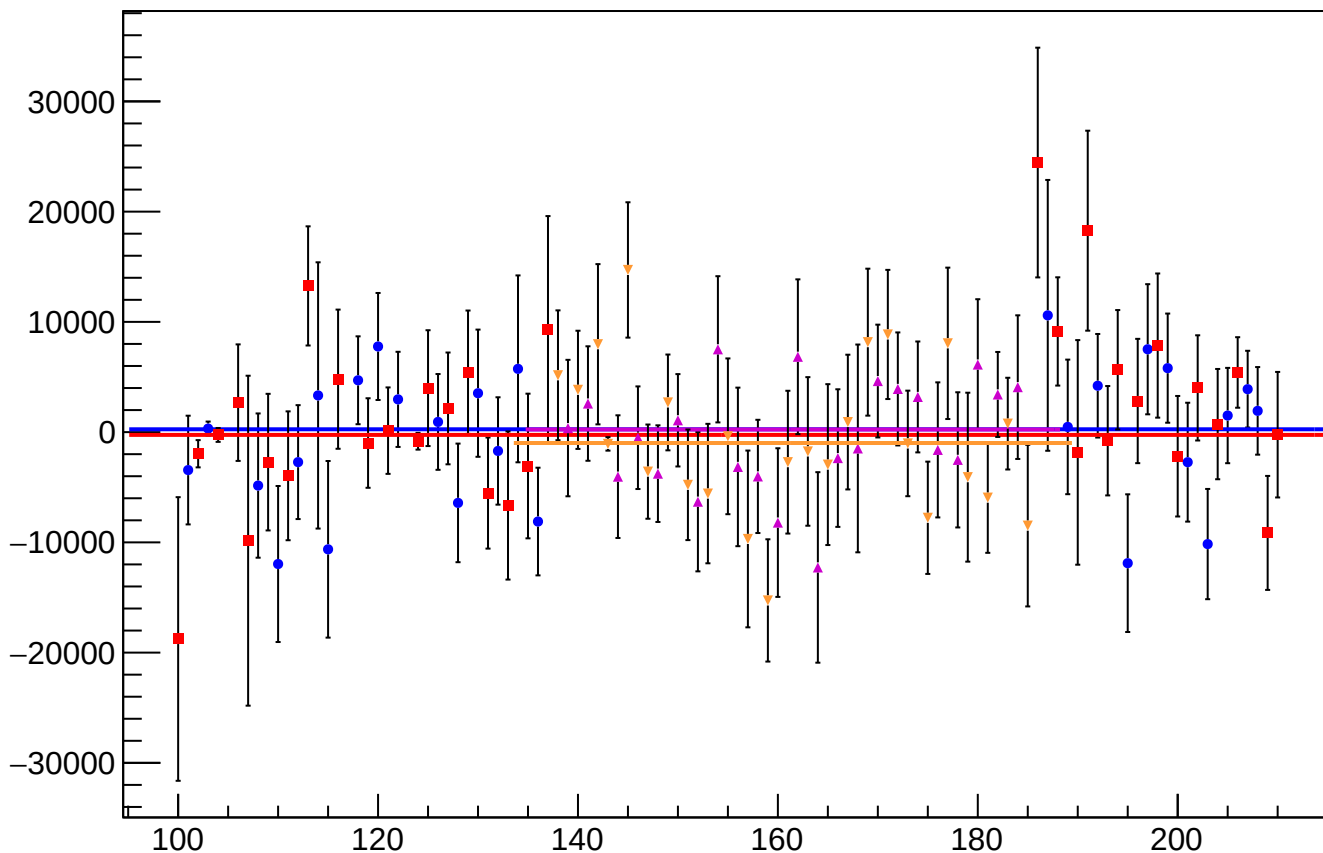
Left In: 1713.156 $\pm$ 0.283 χ^2 /NDF: 129290.6/22

+ sign 1690.618 $\pm$ 0.202 χ^2 /NDF: 643919.1/51

All: 1692.381 $\pm$ 0.142 χ^2 /NDF: 1203348.9/10

- sign 1694.089 $\pm$ 0.199 χ^2 /NDF: 559280.6/55

asym_atl_avg_cor_correction_mean vs Slug



Right In: 257.448 $\pm$ 540.186 χ^2 /NDF: 29.8/26

Left Out: -987.291 $\pm$ 541.232 χ^2 /NDF:30.8/24

Right Out: -250.762 $\pm$ 412.458 χ^2 /NDF: 41.3/32

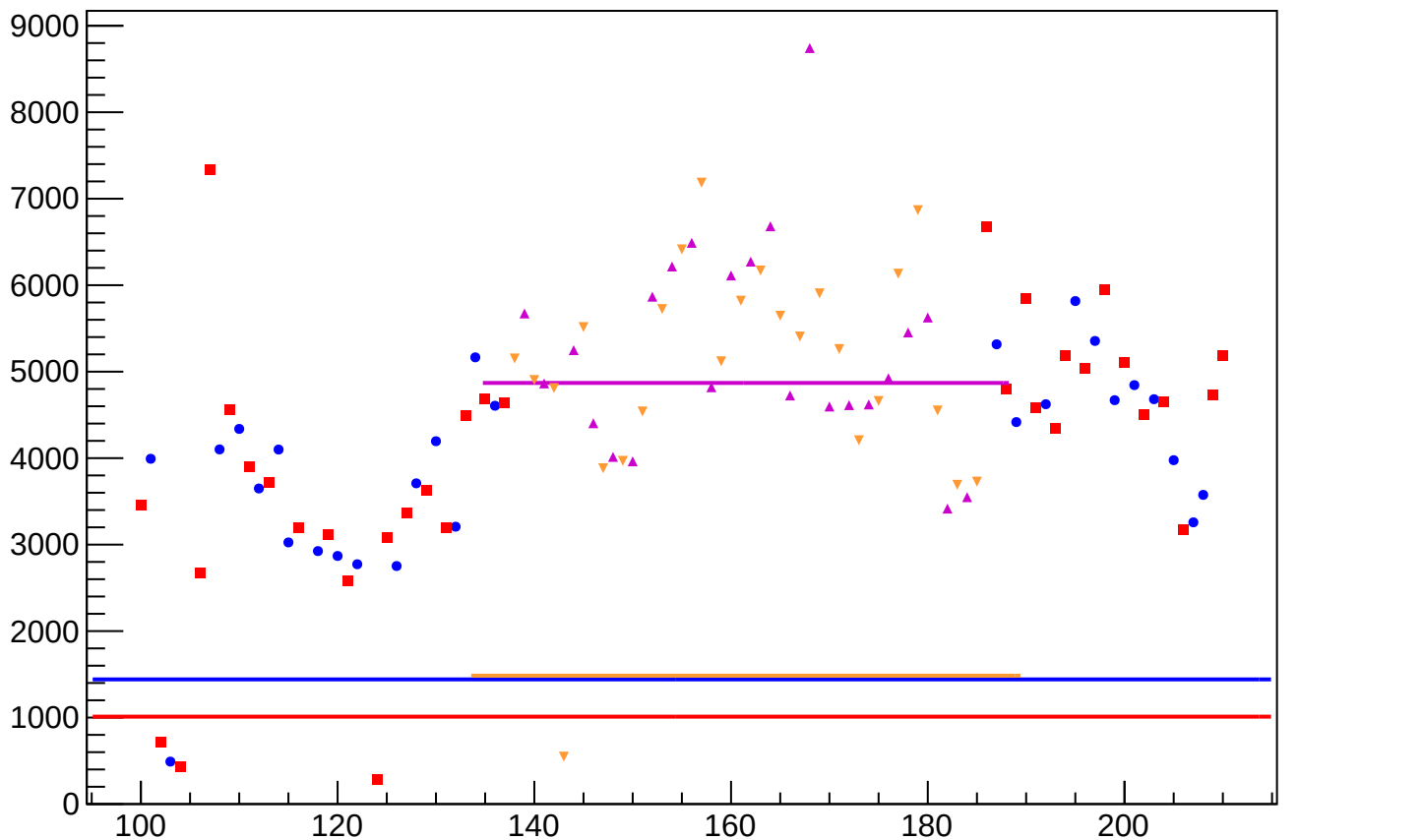
Left In: 239.478 $\pm$ 1165.045 χ^2 /NDF:13.5/22

+ sign -363.717 $\pm$ 382.338 χ^2 /NDF: 63.3/51

All: -281.345 $\pm$ 272.614 χ^2 /NDF: 118.3/107

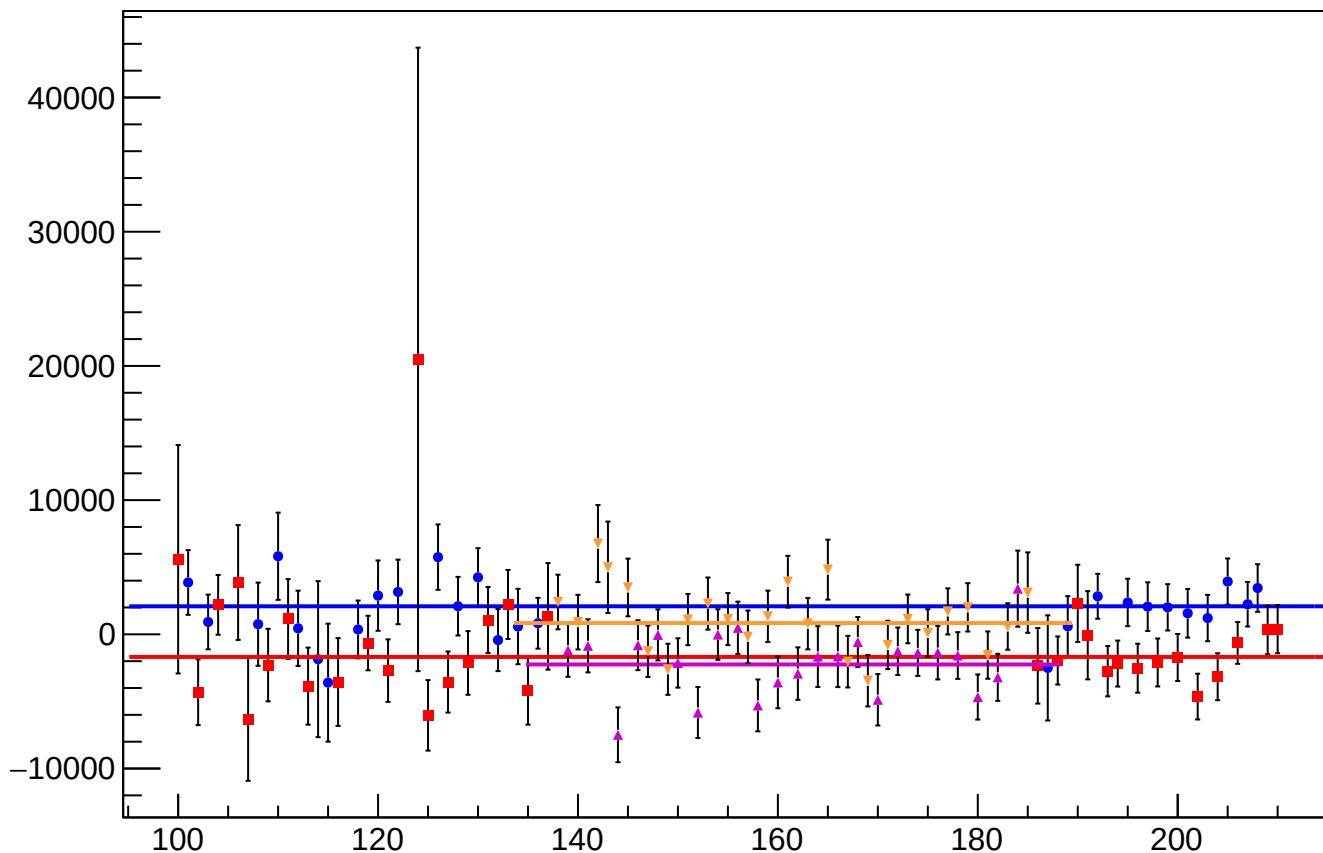
- sign -196.161 $\pm$ 388.811 χ^2 /NDF: 55.0/55

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1441.525+/-0.382	χ^2/NDF : 17061152.6/26	+ sign 1462.963+/-0.270	χ^2/NDF : 40293035.6/51
Left Out: 1484.485+/-0.383	χ^2/NDF : 23225570.5/24	All: 1451.901+/-0.193	χ^2/NDF : 84368084.6/1
Right Out: 1010.657+/-0.292	χ^2/NDF : 23097965.1/32	- sign 1440.461+/-0.275	χ^2/NDF : 44071643.4/55
Left In: 4869.699+/-0.824	χ^2/NDF : 1474252.6/22		

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 2089.428 $\pm$ 416.134 χ^2 /NDF: 15.1/26

Left Out: 841.564 $\pm$ 394.444 χ^2 /NDF:30.4/24

Right Out: -1684.208 $\pm$ 397.163 χ^2 /NDF: 29.0/32

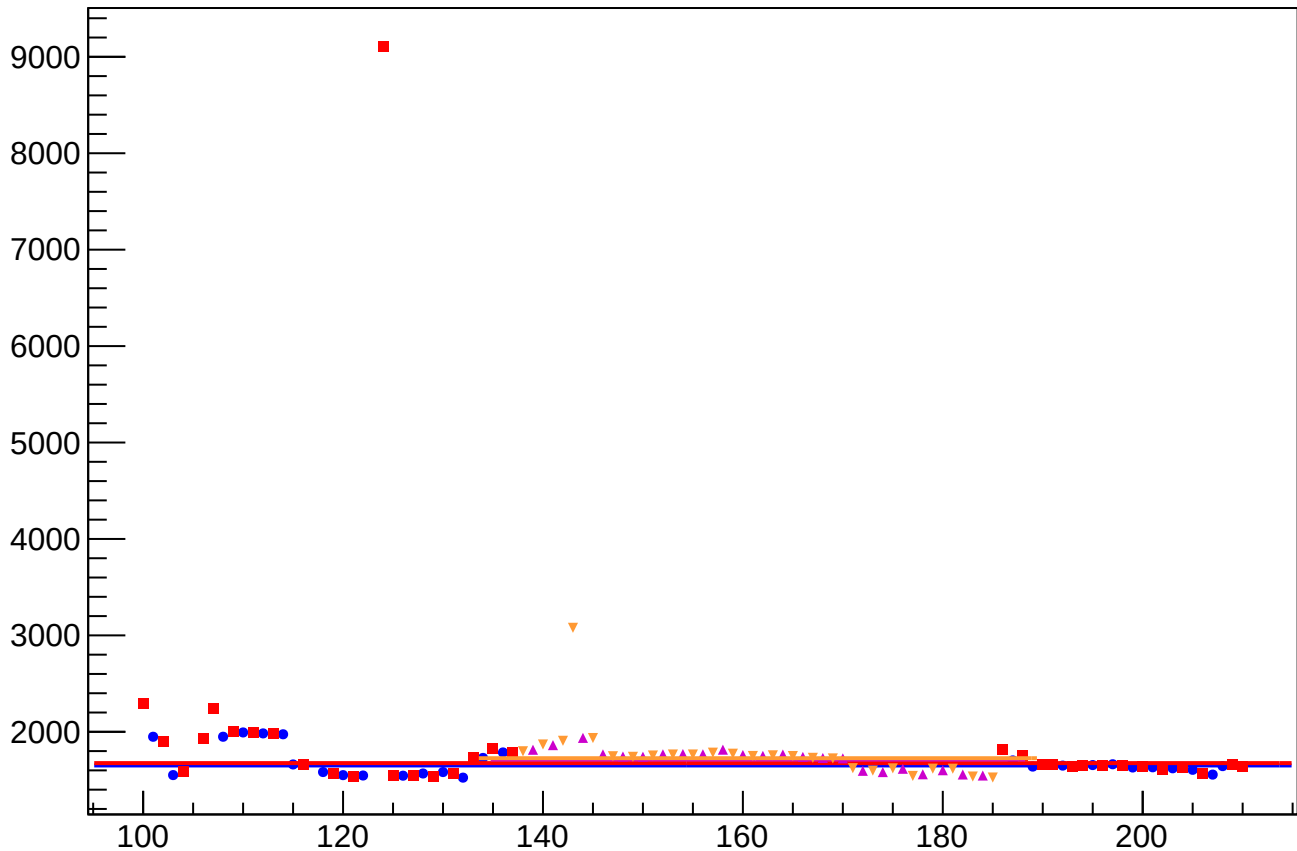
Left In: -2245.061 $\pm$ 400.753 χ^2 /NDF:29.4/22

+ sign 1432.129 $\pm$ 286.275 χ^2 /NDF: 50.2/51

All: -289.937 $\pm$ 200.934 χ^2 /NDF: 181.0/107

- sign -1962.111 $\pm$ 282.098 χ^2 /NDF: 59.4/55

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1651.174 $\pm$ 0.294 χ^2 /NDF: 154873.5/26

Left Out: 1726.058 $\pm$ 0.279 χ^2 /NDF: 454930.8/24

Right Out: 1675.423 $\pm$ 0.280 χ^2 /NDF: 421030.7/32

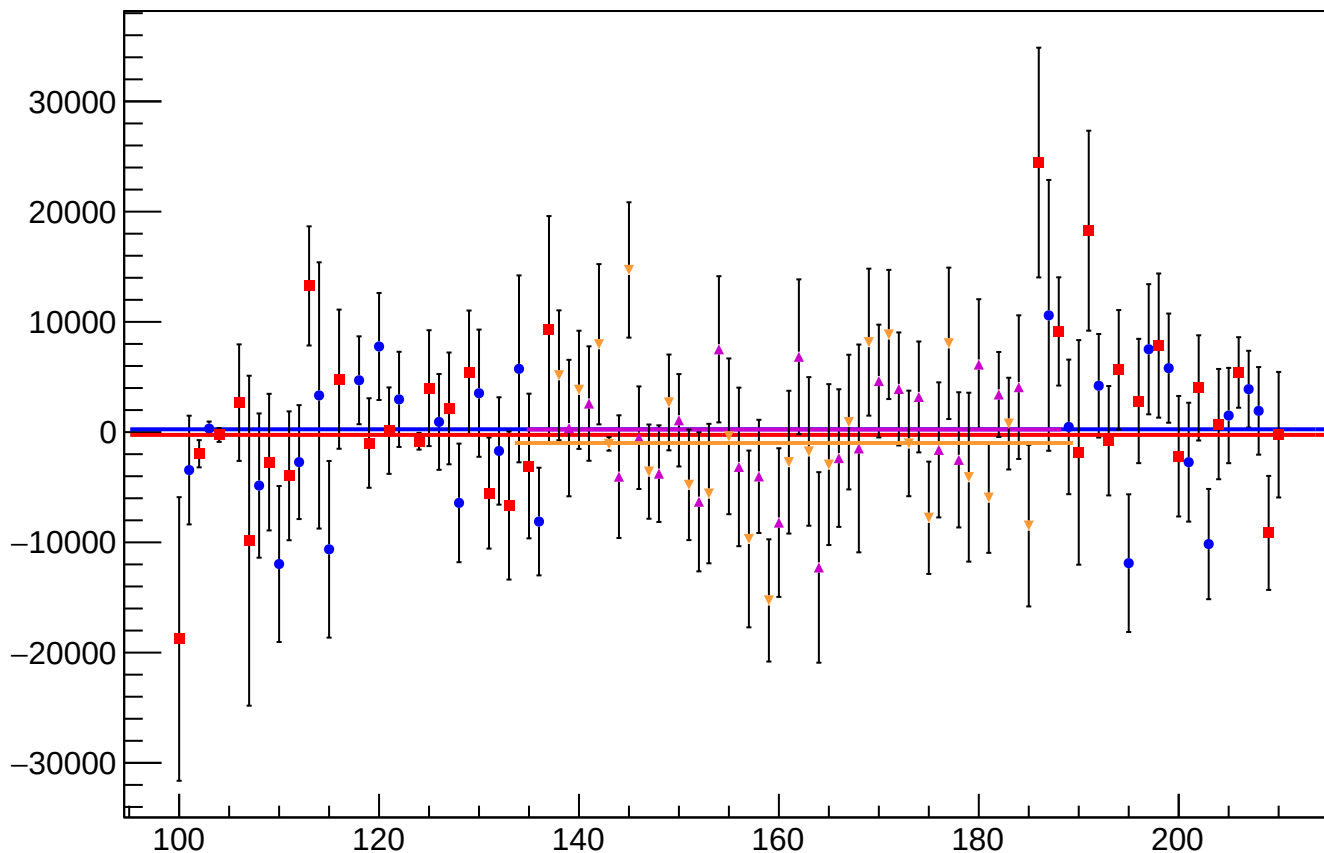
Left In: 1713.156 $\pm$ 0.283 χ^2 /NDF: 129290.6/22

+ sign 1690.618 $\pm$ 0.202 χ^2 /NDF: 643919.1/51

All: 1692.381 $\pm$ 0.142 χ^2 /NDF: 1203348.9/10

- sign 1694.089 $\pm$ 0.199 χ^2 /NDF: 559280.6/55

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 257.448 $\pm$ 540.186 χ^2 /NDF: 29.8/26

Left Out: -987.291 $\pm$ 541.232 χ^2 /NDF:30.8/24

Right Out: -250.762 $\pm$ 412.458 χ^2 /NDF: 41.3/32

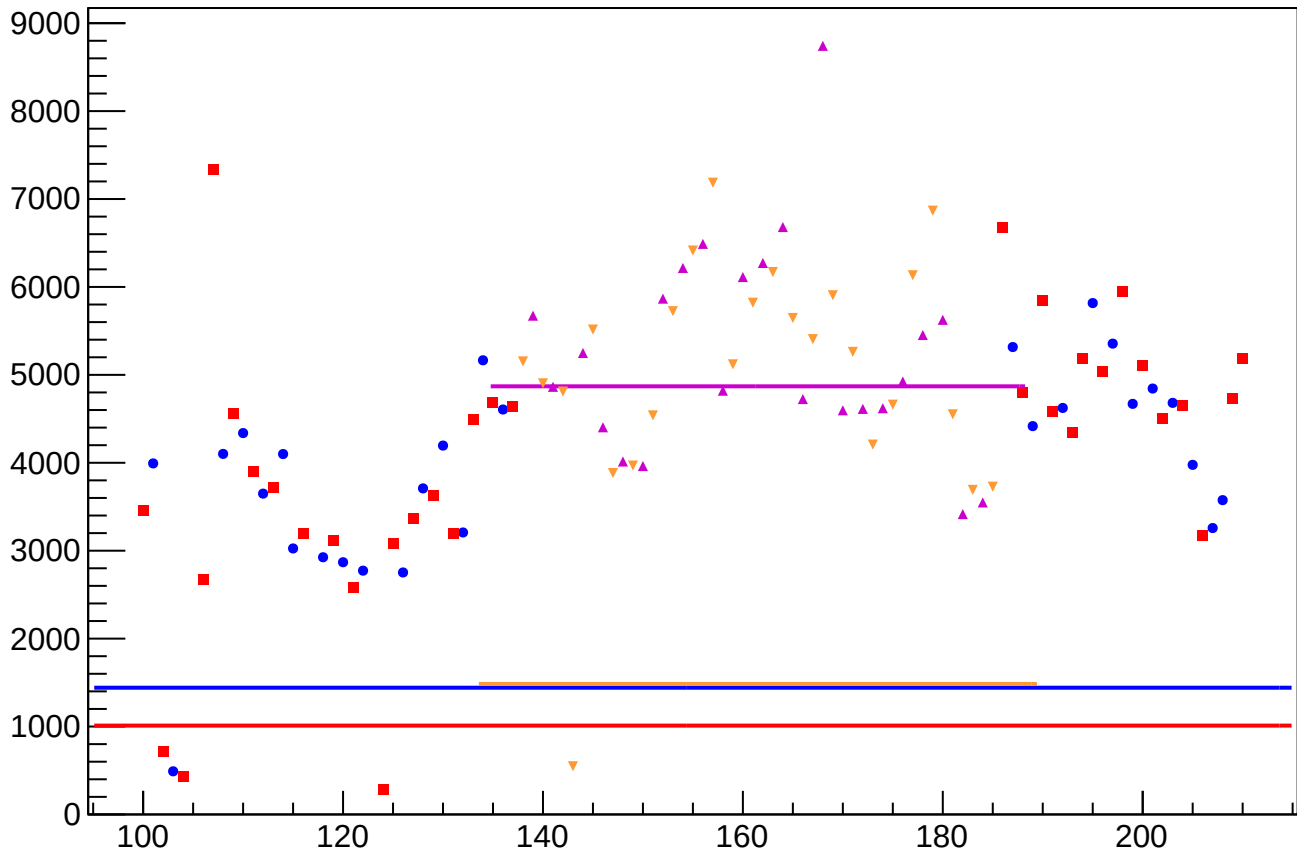
Left In: 239.478 $\pm$ 1165.045 χ^2 /NDF:13.5/22

+ sign -363.717 $\pm$ 382.338 χ^2 /NDF: 63.3/51

All: -281.345 $\pm$ 272.614 χ^2 /NDF: 118.3/107

- sign -196.161 $\pm$ 388.811 χ^2 /NDF: 55.0/55

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1441.525+/-0.382 χ^2/NDF : 17061152.6/26

Left Out: 1484.485+/-0.383 χ^2/NDF : 23225570.5/24

Right Out: 1010.657+/-0.292 χ^2/NDF : 23097965.1/32

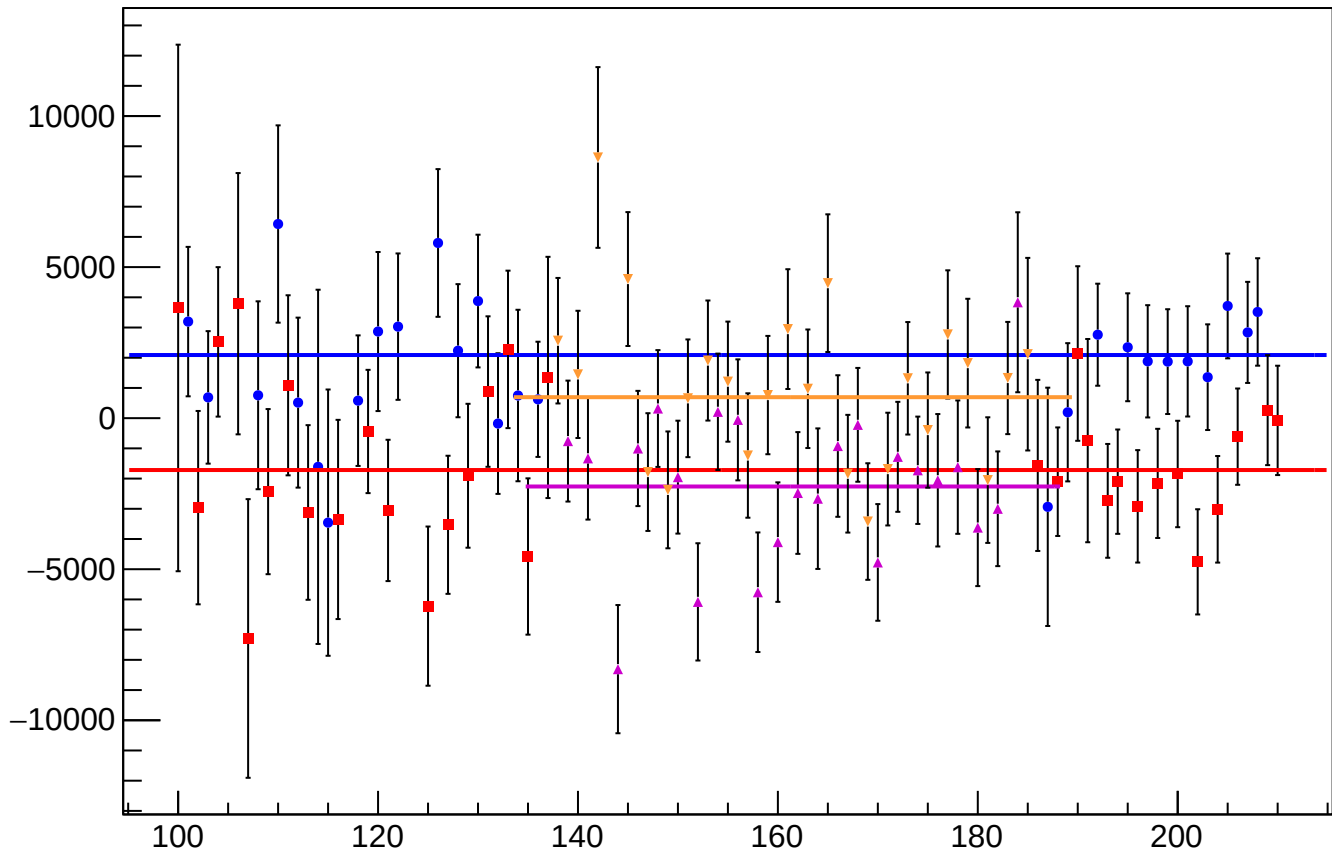
Left In: 4869.699+/-0.824 χ^2/NDF : 1474252.6/22

+ sign 1462.963+/-0.270 χ^2/NDF : 40293035.6/51

All: 1451.901+/-0.193 χ^2/NDF : 84368084.6/100

- sign 1440.461+/-0.275 χ^2/NDF : 44071643.4/55

dit_asym_atl_avg_mean vs Slug



Right In: 2089.935 $\pm$ 420.945 χ^2 /NDF: 14.7/26

Left Out: 694.317 $\pm$ 418.051 χ^2 /NDF:32.2/23

Right Out: -1716.964 $\pm$ 404.300 χ^2 /NDF: 26.3/31

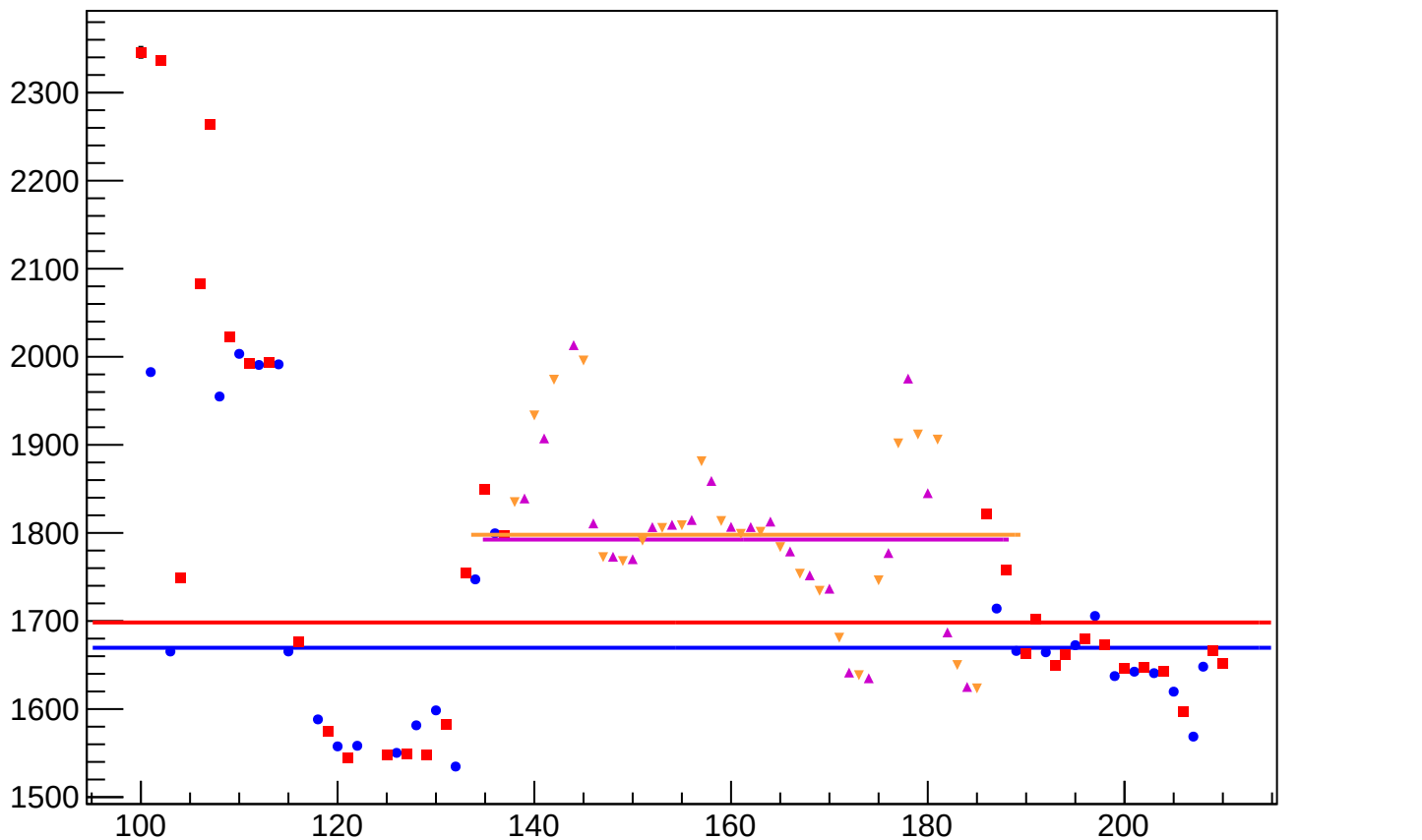
Left In: -2261.767 $\pm$ 419.177 χ^2 /NDF:30.4/22

+ sign 1387.311 $\pm$ 296.625 χ^2 /NDF: 52.5/50

All: -328.328 $\pm$ 207.728 χ^2 /NDF: 175.8/105

- sign -1979.527 $\pm$ 291.001 χ^2 /NDF: 57.6/54

dit_asym_atl_avg_rms vs Slug



Right In: 1669.602 $\pm$ 0.298 χ^2 /NDF: 152016.9/26

Left Out: 1797.909 $\pm$ 0.296 χ^2 /NDF: 98002.1/23

Right Out: 1698.325 $\pm$ 0.286 χ^2 /NDF: 285892.2/31

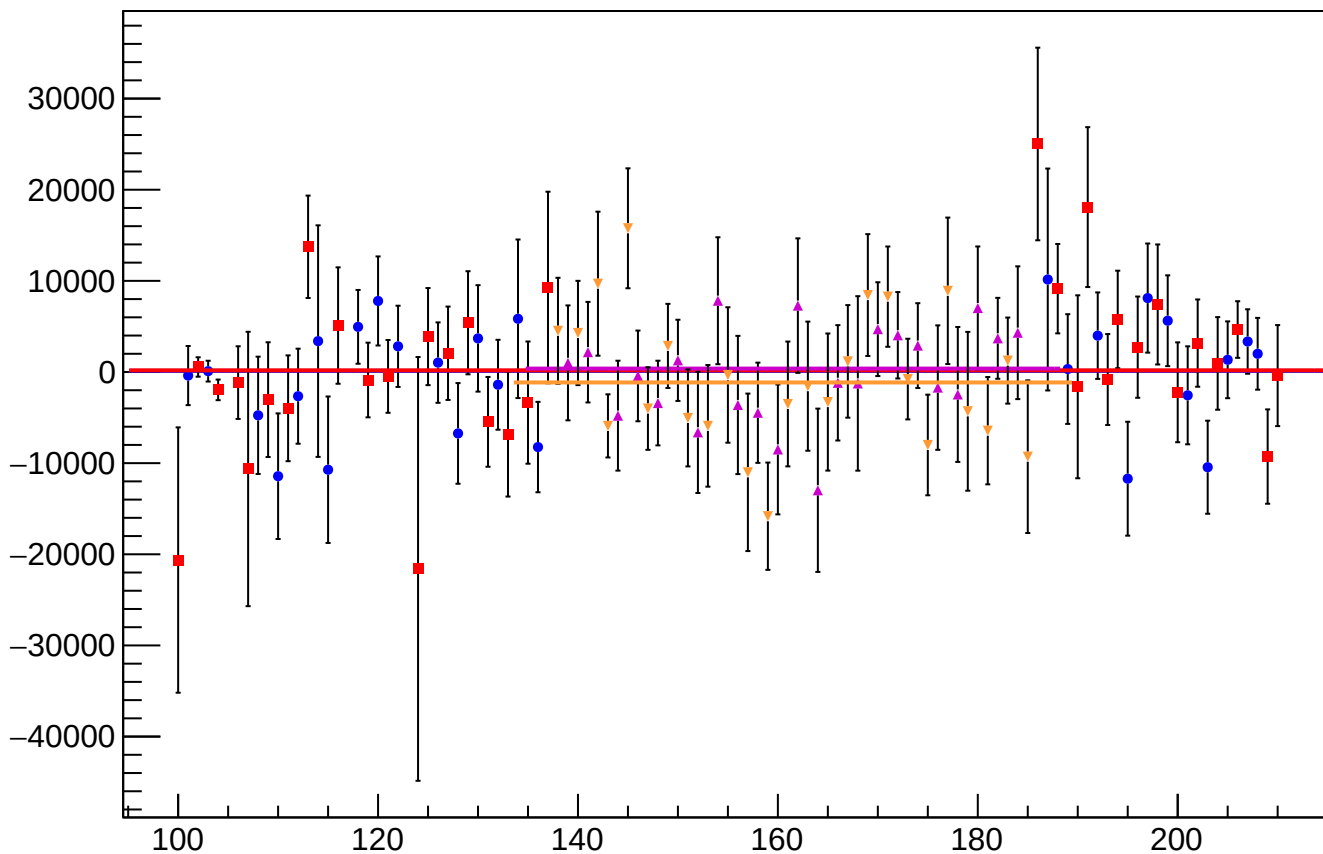
Left In: 1792.450 $\pm$ 0.296 χ^2 /NDF: 92875.2/22

+ sign 1734.198 $\pm$ 0.210 χ^2 /NDF: 343568.2/50

All: 1739.015 $\pm$ 0.147 χ^2 /NDF: 775656.2/105

- sign 1743.648 $\pm$ 0.206 χ^2 /NDF: 431053.2/54

asym_atl_avg_dit_correction_mean vs Slug



Right In: 126.242 $\pm$ 750.648 χ^2 /NDF: 28.8/26

Left Out: -1144.405 $\pm$ 1164.458 χ^2 /NDF: 32.6/24

Right Out: 180.100 $\pm$ 612.990 χ^2 /NDF: 41.0/32

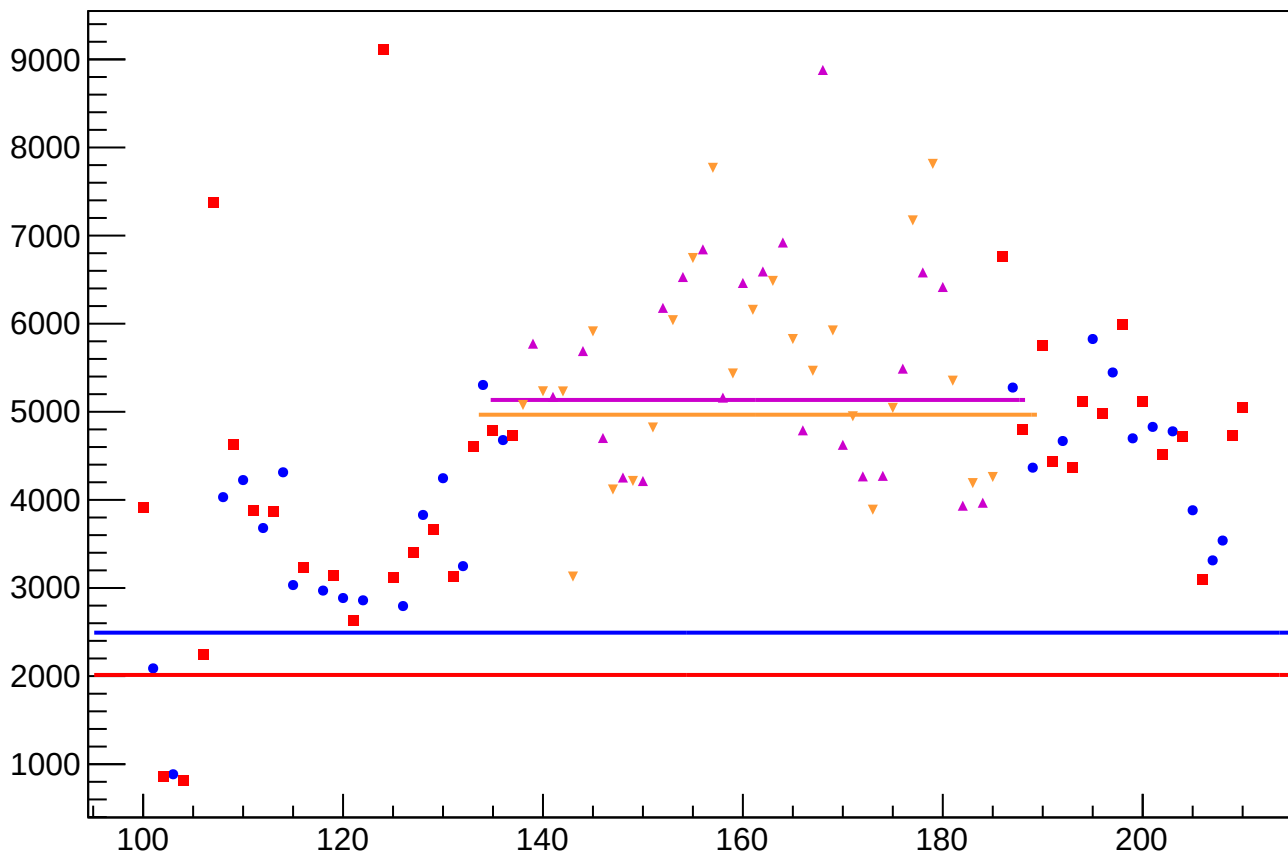
Left In: 374.927 $\pm$ 1228.699 χ^2 /NDF: 13.3/22

+ sign -246.771 $\pm$ 630.919 χ^2 /NDF: 62.2/51

All: 18.456 $\pm$ 413.949 χ^2 /NDF: 116.8/107

- sign 218.928 $\pm$ 548.518 χ^2 /NDF: 54.3/55

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2492.978 $\pm$ 0.531 χ^2 /NDF: 8809305.8/26

Left Out: 4966.879 $\pm$ 0.823 χ^2 /NDF: 1917937.7/24

Right Out: 2012.993 $\pm$ 0.433 χ^2 /NDF: 14458559.3/32

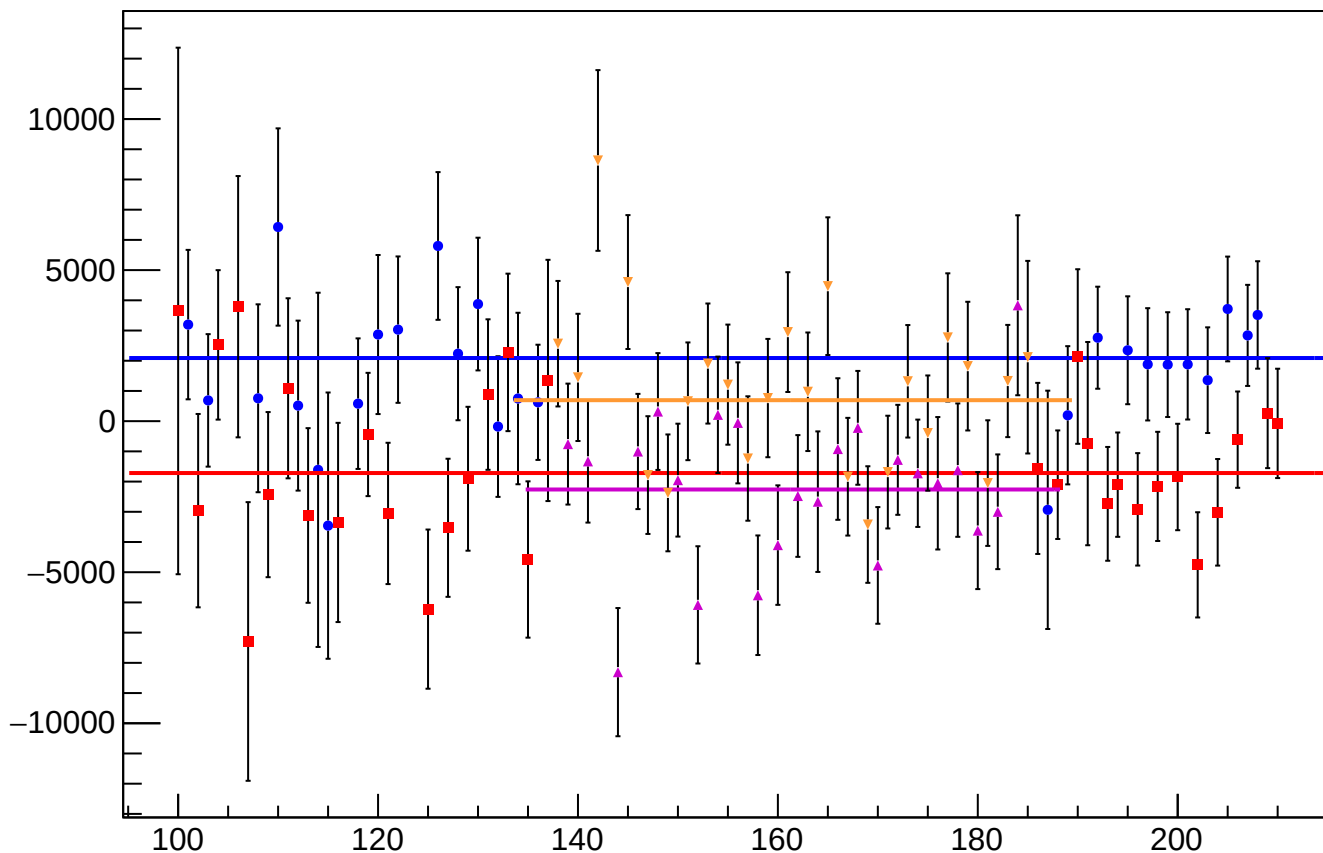
Left In: 5134.445 $\pm$ 0.869 χ^2 /NDF: 1487075.9/22

+ sign 3219.219 $\pm$ 0.446 χ^2 /NDF: 17104315.7/51

All: 2886.534 $\pm$ 0.293 χ^2 /NDF: 44361751.0/101

- sign 2635.074 $\pm$ 0.388 χ^2 /NDF: 26281010.0/55

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 2089.932 $\pm$ 420.945 χ^2 /NDF: 14.7/26

Left Out: 694.313 $\pm$ 418.051 χ^2 /NDF:32.2/23

Right Out: -1716.960 $\pm$ 404.300 χ^2 /NDF: 26.3/31

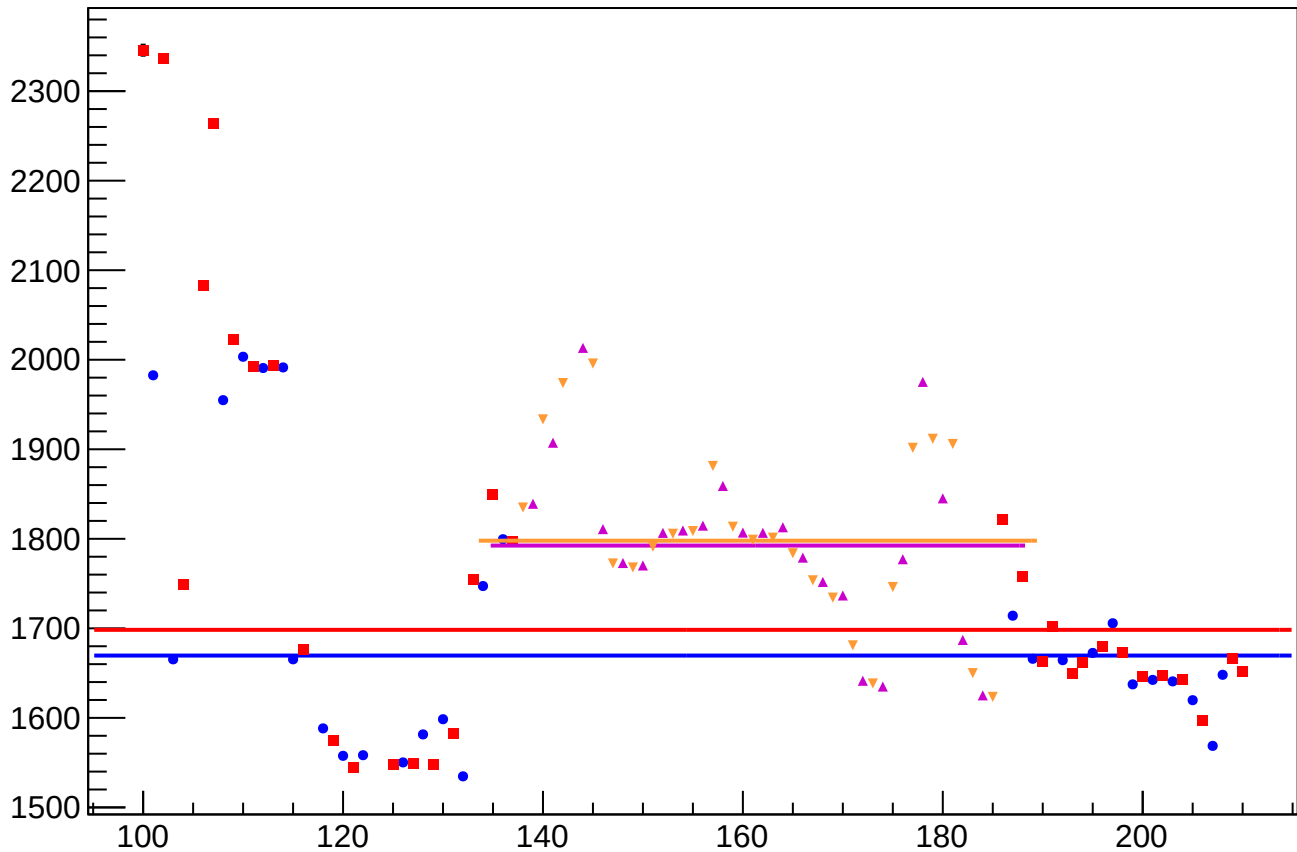
Left In: -2261.767 $\pm$ 419.177 χ^2 /NDF:30.4/22

+ sign 1387.308 $\pm$ 296.625 χ^2 /NDF: 52.5/50

All: -328.328 $\pm$ 207.728 χ^2 /NDF: 175.8/105

- sign -1979.524 $\pm$ 291.001 χ^2 /NDF: 57.6/54

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1669.602 $\pm$ 0.298 χ^2/NDF : 152017.1/26

Left Out: 1797.911 $\pm$ 0.296 χ^2/NDF : 98005.5/23

Right Out: 1698.325 $\pm$ 0.286 χ^2/NDF : 285891.6/31

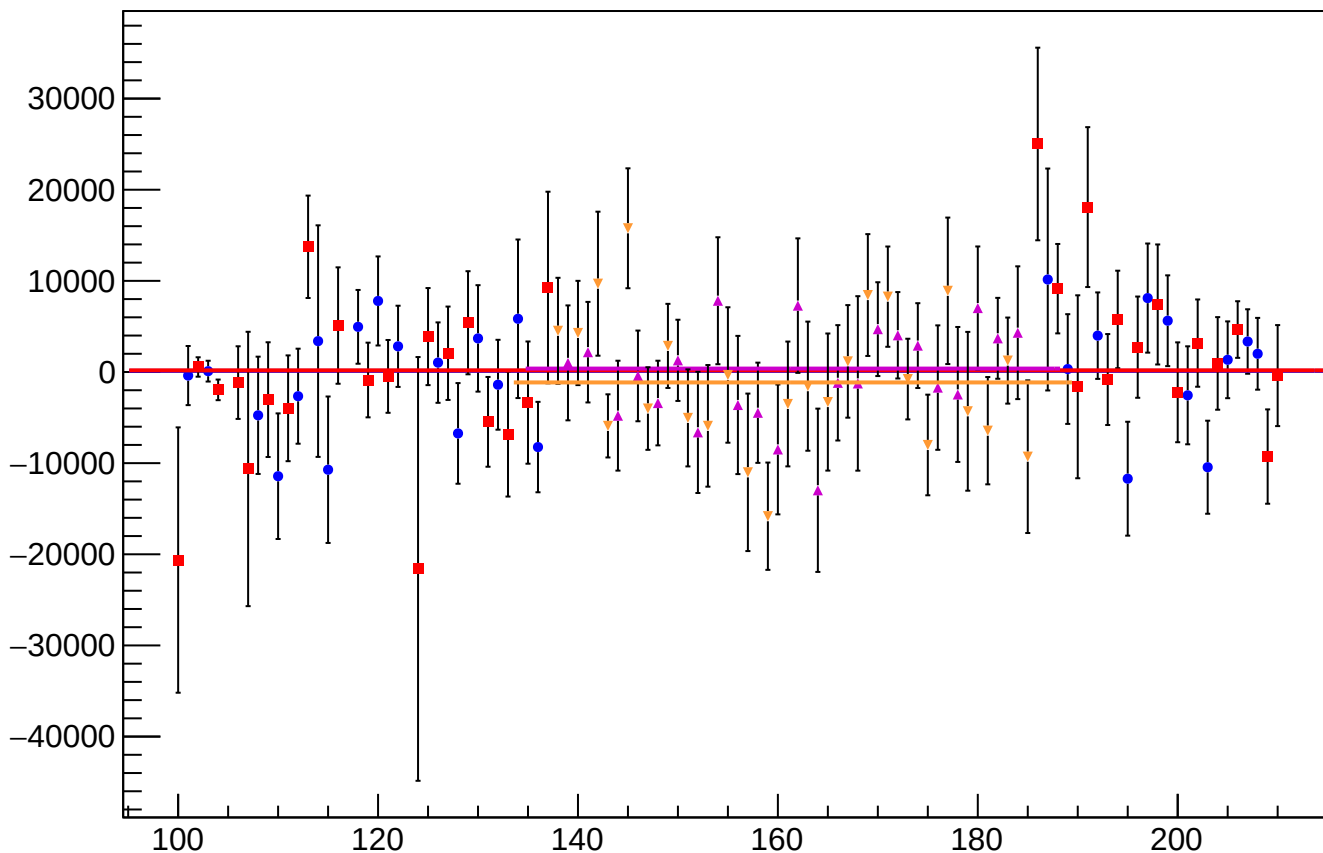
Left In: 1792.451 $\pm$ 0.296 χ^2/NDF : 92878.6/22

+ sign 1734.199 $\pm$ 0.210 χ^2/NDF : 343573.8/50

All: 1739.016 $\pm$ 0.147 χ^2/NDF : 775666.1/105

- sign 1743.648 $\pm$ 0.206 χ^2/NDF : 431057.6/54

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 126.243 ± 750.644 χ^2/NDF : 28.8/26

Left Out: -1144.411 ± 1164.460 χ^2/NDF : 32.6/24

Right Out: 180.093 ± 612.987 χ^2/NDF : 41.0/32

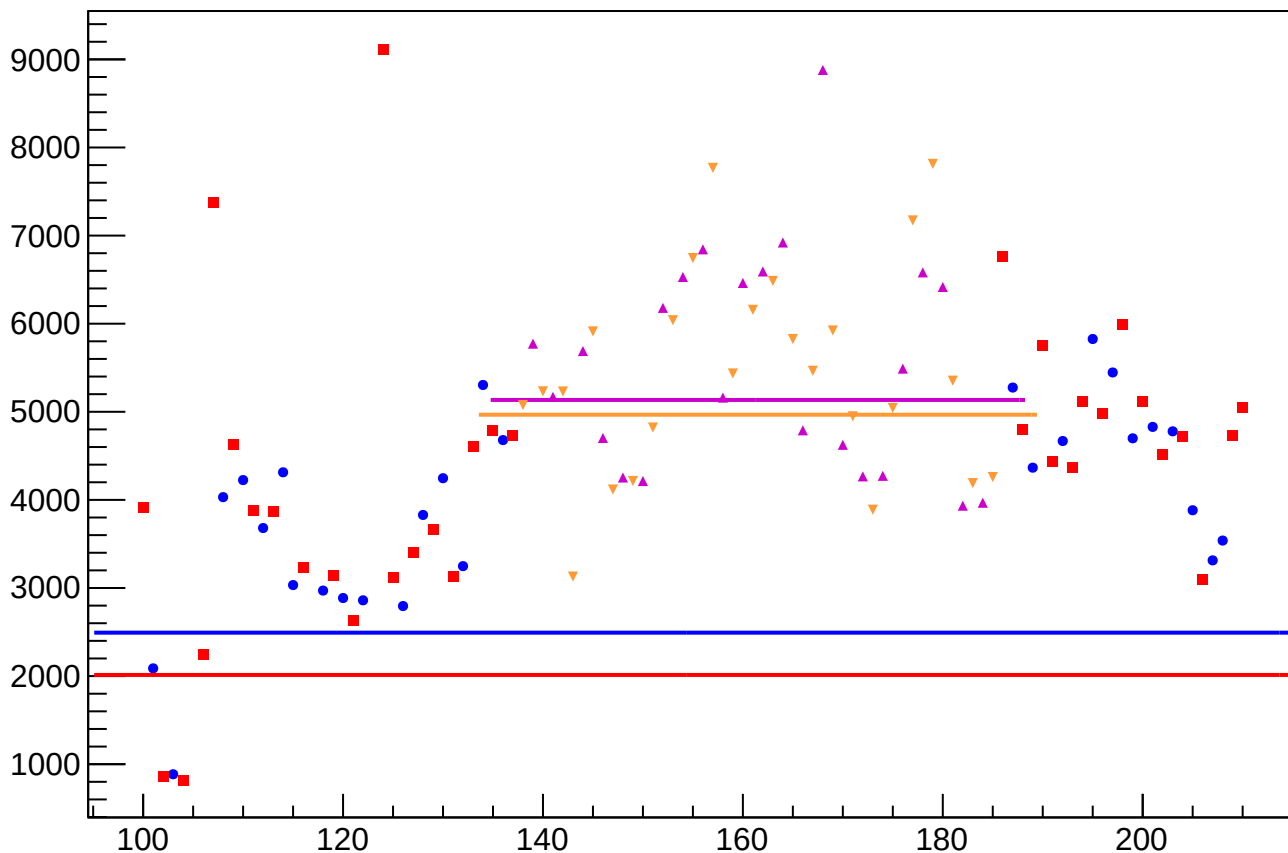
Left In: 374.928 ± 1228.701 χ^2/NDF : 13.3/22

+ sign -246.769 ± 630.917 χ^2/NDF : 62.2/51

All: 18.454 ± 413.948 χ^2/NDF : 116.8/107

- sign 218.921 ± 548.515 χ^2/NDF : 54.3/55

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2492.960+/-0.531 χ^2/NDF : 8809426.1/26

Left Out: 4966.886+/-0.823 χ^2/NDF : 1917943.9/24

Right Out: 2012.975+/-0.433 χ^2/NDF : 14458697.6/32

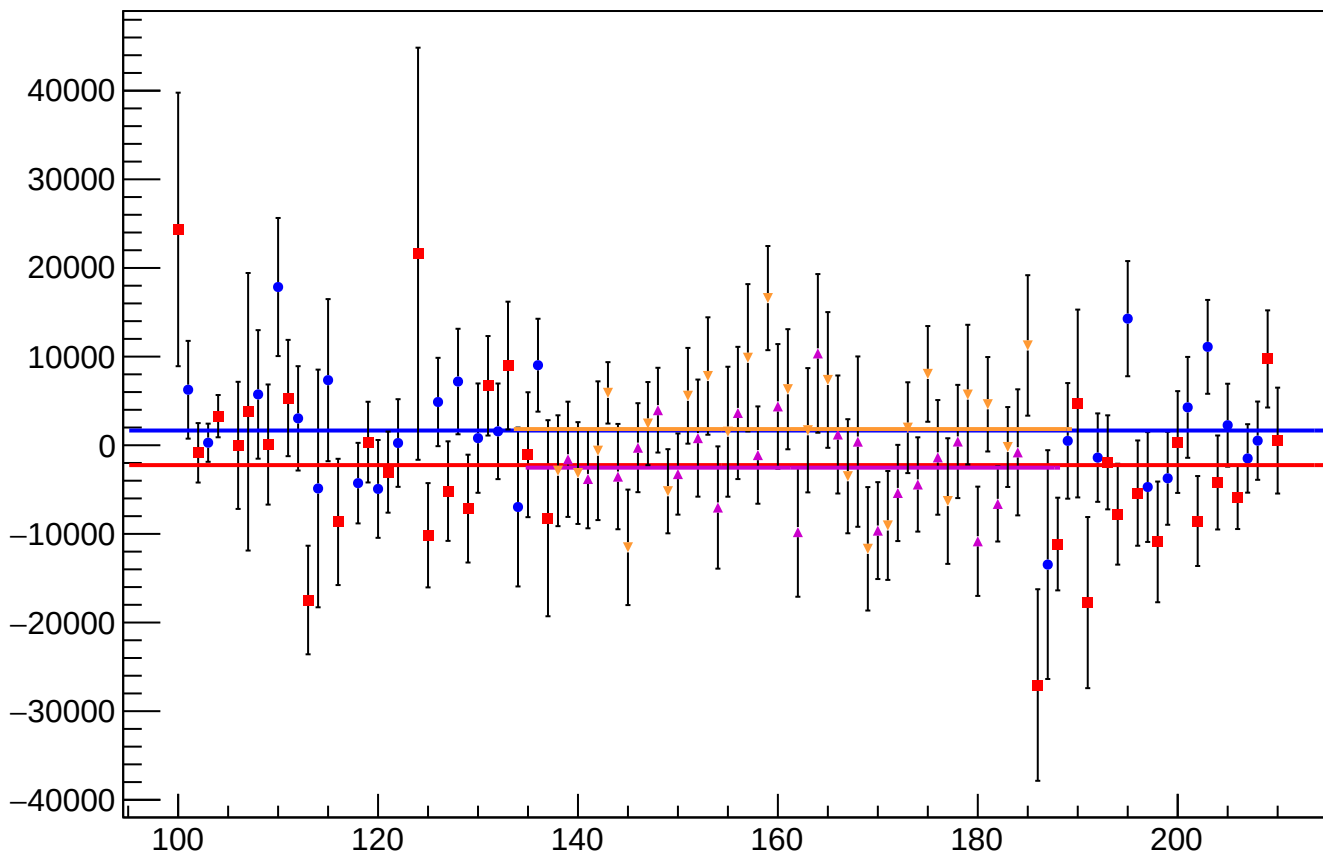
Left In: 5134.453+/-0.869 χ^2/NDF : 1487077.8/22

+ sign 3219.203+/-0.446 χ^2/NDF : 17104571.8/51

All: 2886.515+/-0.293 χ^2/NDF : 44362338.5/100

- sign 2635.053+/-0.388 χ^2/NDF : 26281321.5/55

asym_atl_avg_mean vs Slug



Right In: 1661.783+/-991.544 χ^2/NDF : 25.6/26

Left Out: 1826.201+/-1172.478 χ^2/NDF : 31.1/24

Right Out: -2240.093+/-965.013 χ^2/NDF : 48.5/32

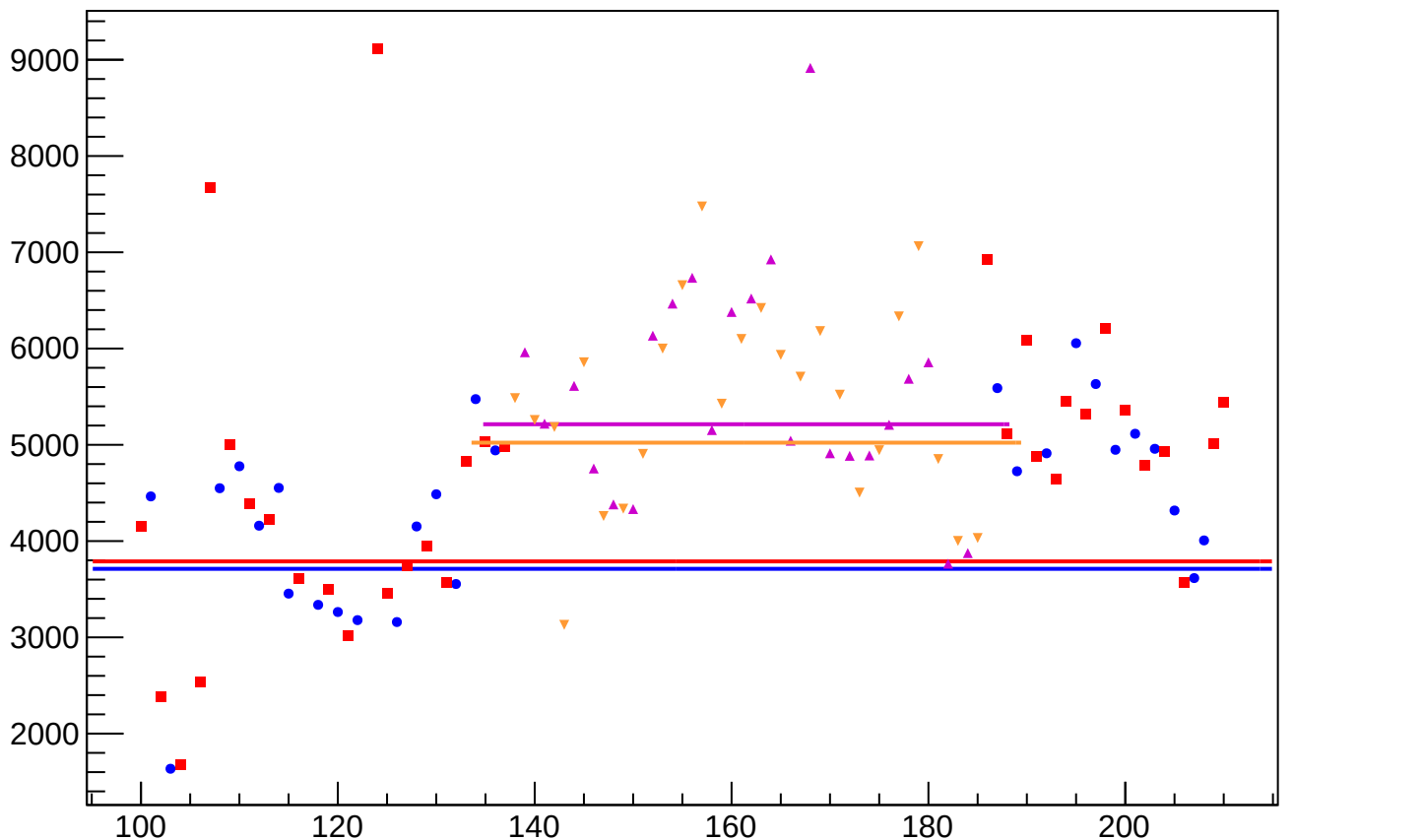
Left In: -2529.501+/-1242.040 χ^2/NDF : 13.2/22

+ sign 1730.341+/-757.107 χ^2/NDF : 56.7/51

All: -296.107+/-537.090 χ^2/NDF : 132.9/107

- sign -2349.034+/-762.038 χ^2/NDF : 61.8/55

asym_atl_avg_rms vs Slug



Right In: 3711.767+/-0.701 χ^2/NDF : 3335615.5/26

Left Out: 5022.407+/-0.829 χ^2/NDF : 1676611.8/24

Right Out: 3789.039+/-0.676 χ^2/NDF : 4182997.3/32

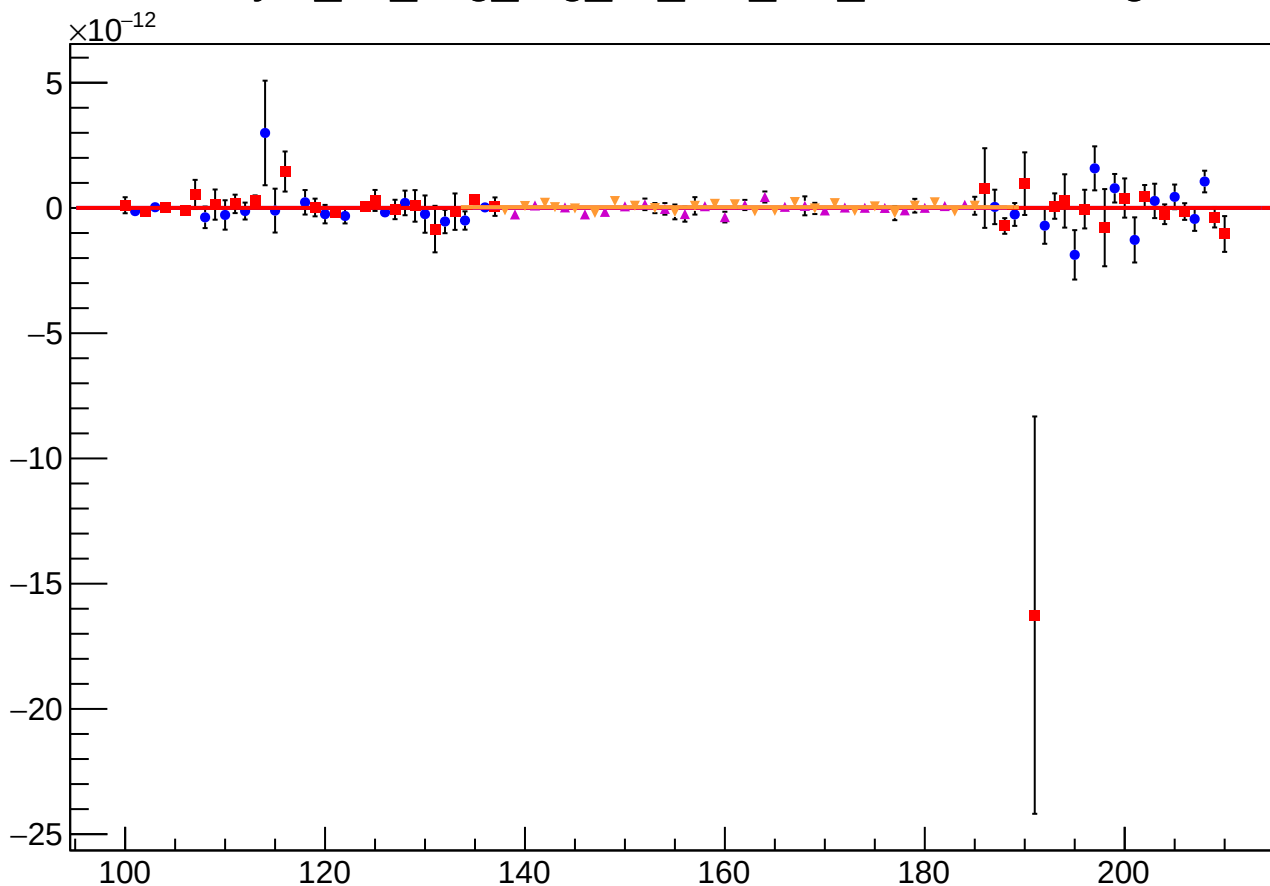
Left In: 5213.625+/-0.878 χ^2/NDF : 1223192.9/22

+ sign 4258.265+/-0.535 χ^2/NDF : 6469290.0/51

All: 4288.578+/-0.379 χ^2/NDF : 13534336.0/101

- sign 4318.923+/-0.536 χ^2/NDF : 7058630.2/55

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.5/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.6/32

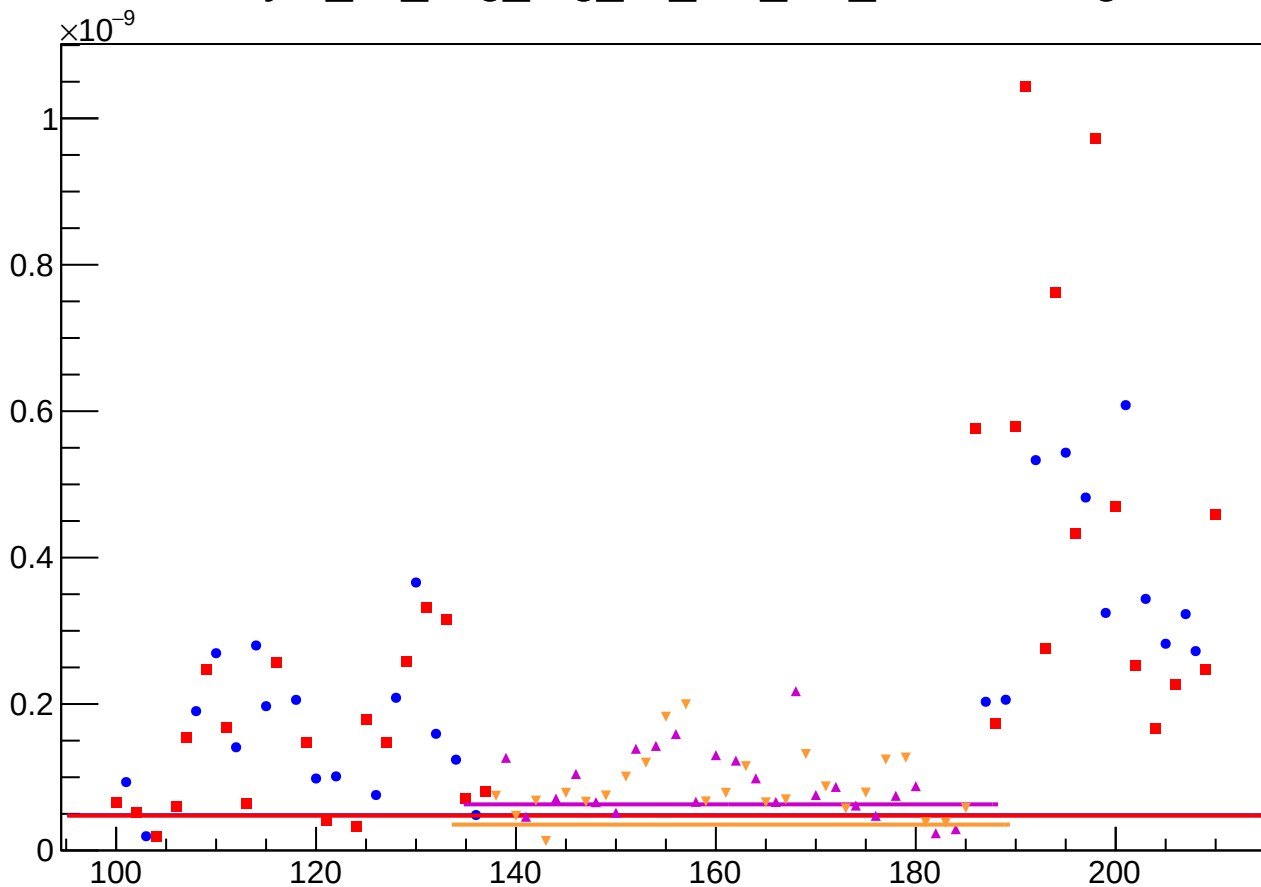
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 56.1/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 106.3/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 49.9/55

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8570380.0/26

Left Out: 0.000+/-0.000 χ^2/NDF : 6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9278520.8/32

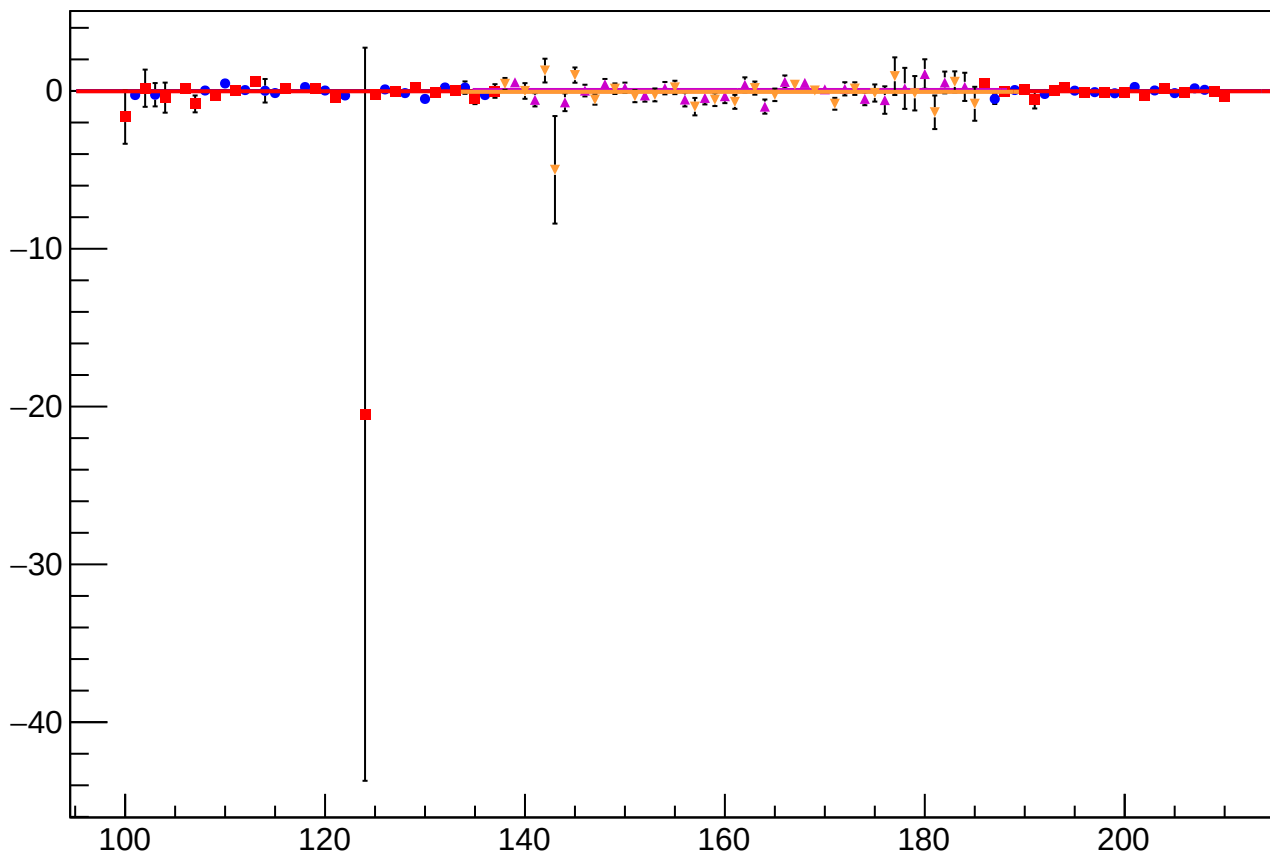
Left In: 0.000+/-0.000 χ^2/NDF : 2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 15306753.3/51

All: 0.000+/-0.000 χ^2/NDF : 28733173.3/107

- sign 0.000+/-0.000 χ^2/NDF : 12477770.2/55

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.038 χ^2/NDF : 26.8/26

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: -0.020 ± 0.035 χ^2/NDF : 35.5/32

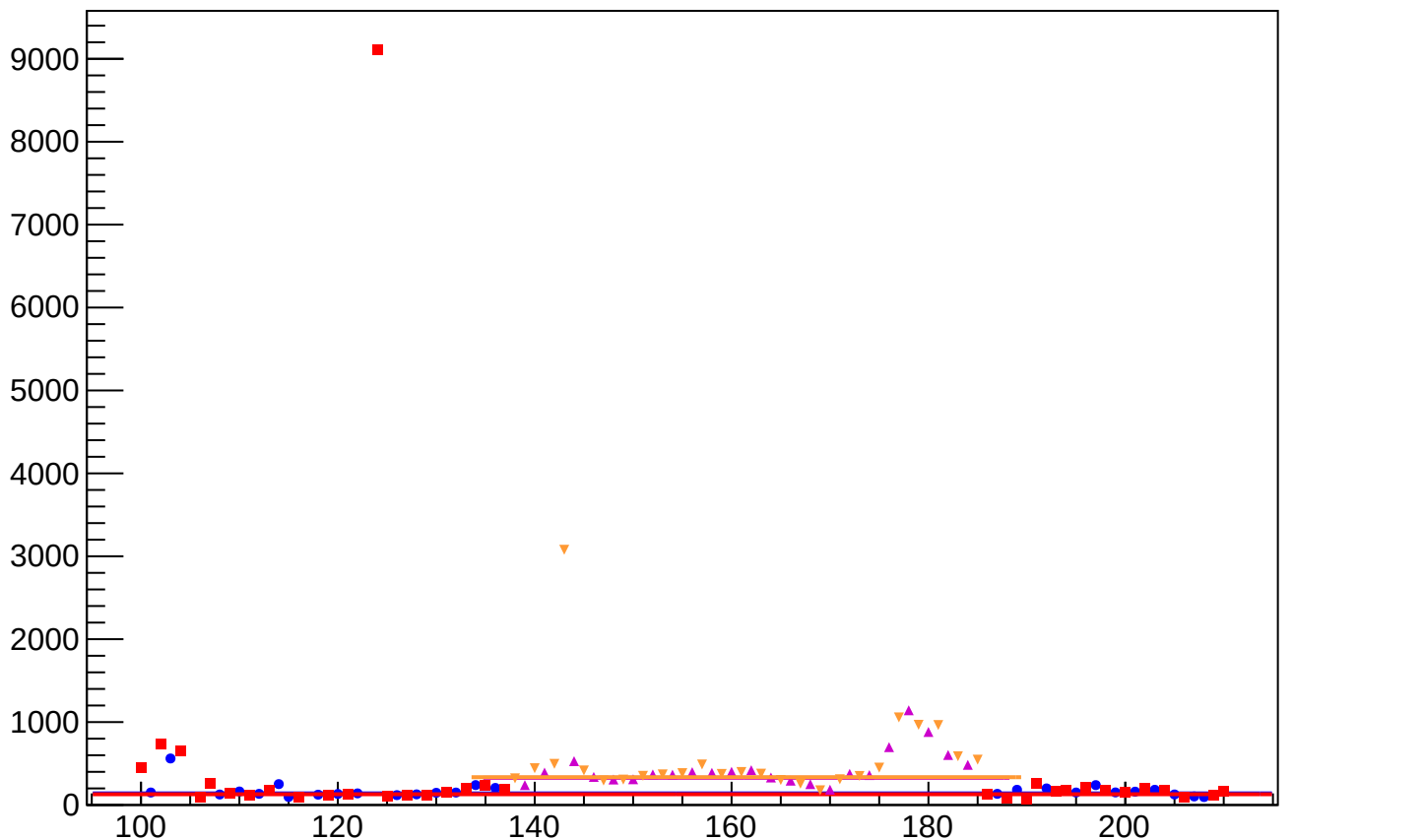
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.013 ± 0.035 χ^2/NDF : 60.2/51

All: -0.010 ± 0.024 χ^2/NDF : 124.6/107

- sign -0.008 ± 0.032 χ^2/NDF : 64.4/55

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 139.933+/-0.027 χ^2/NDF : 2275388.6/26

Left Out: 335.166+/-0.060 χ^2/NDF : 5852083.8/24

Right Out: 129.709+/-0.024 χ^2/NDF : 4273317.5/32

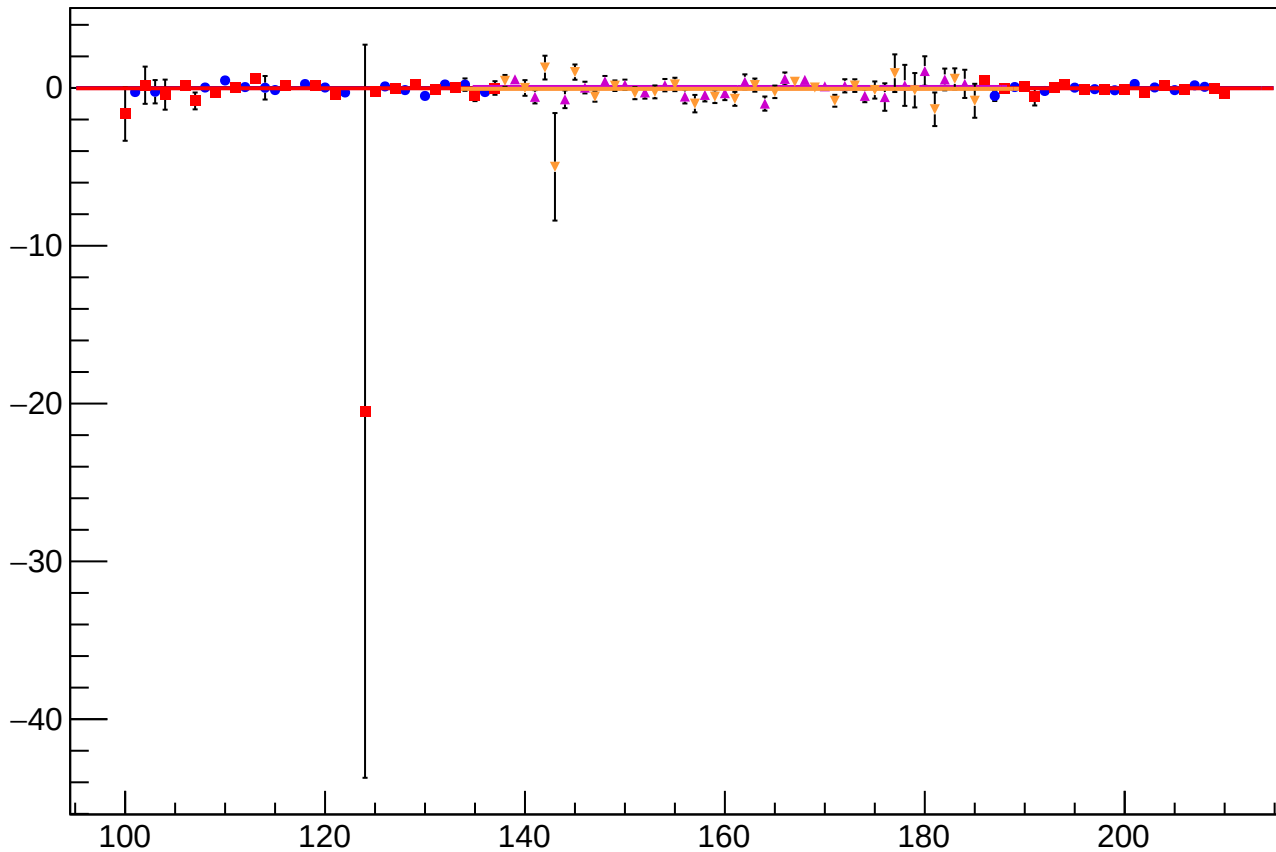
Left In: 327.572+/-0.059 χ^2/NDF : 4153081.9/22

+ sign 173.116+/-0.025 χ^2/NDF : 16966167.1/51

All: 165.538+/-0.017 χ^2/NDF : 35299774.7/10

- sign 159.186+/-0.023 χ^2/NDF : 18160092.3/55

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.038 χ^2/NDF : 26.8/26

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: -0.020 ± 0.035 χ^2/NDF : 35.5/32

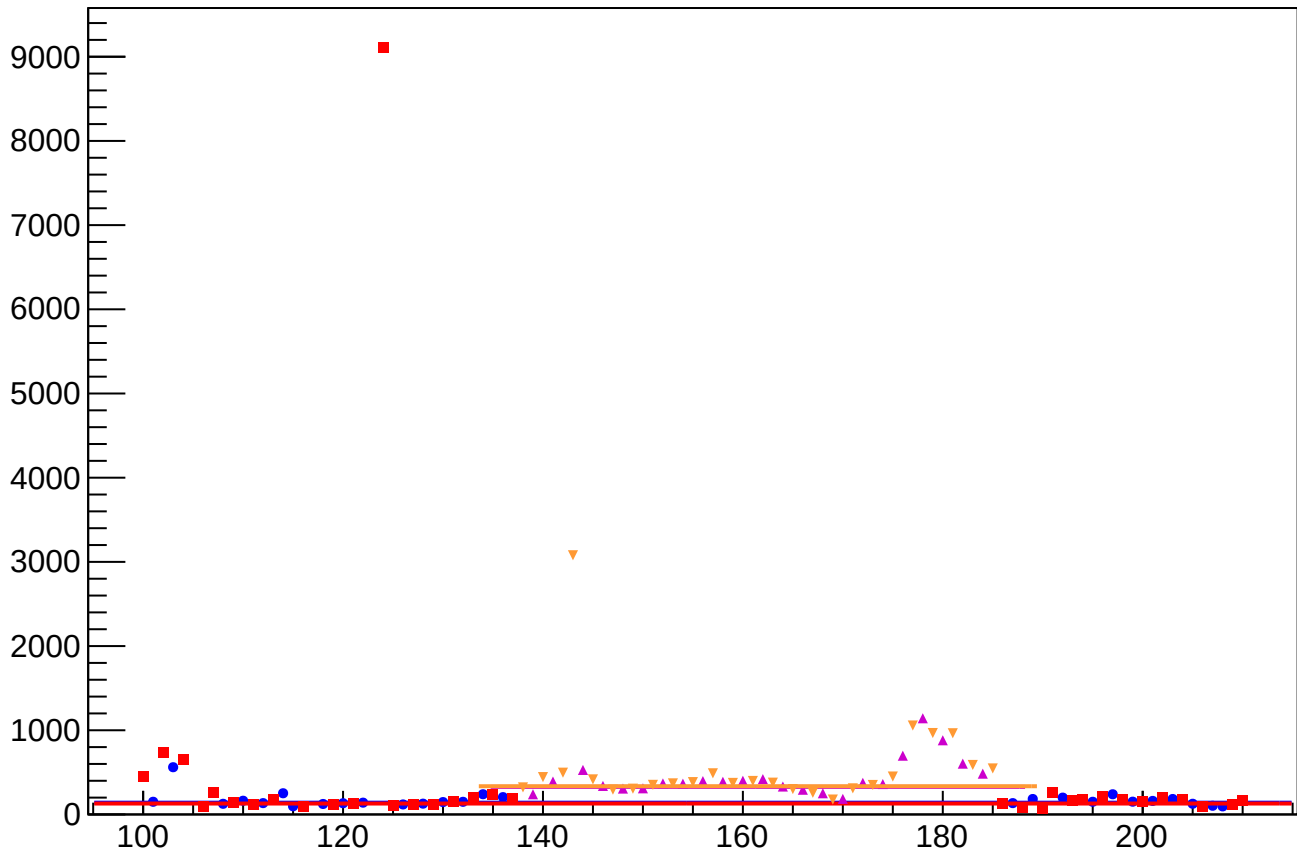
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.013 ± 0.035 χ^2/NDF : 60.2/51

All: -0.010 ± 0.024 χ^2/NDF : 124.6/107

- sign -0.008 ± 0.032 χ^2/NDF : 64.4/55

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 139.933+/-0.027 χ^2/NDF : 2275388.6/26

Left Out: 335.166+/-0.060 χ^2/NDF : 5852083.8/24

Right Out: 129.709+/-0.024 χ^2/NDF : 4273317.5/32

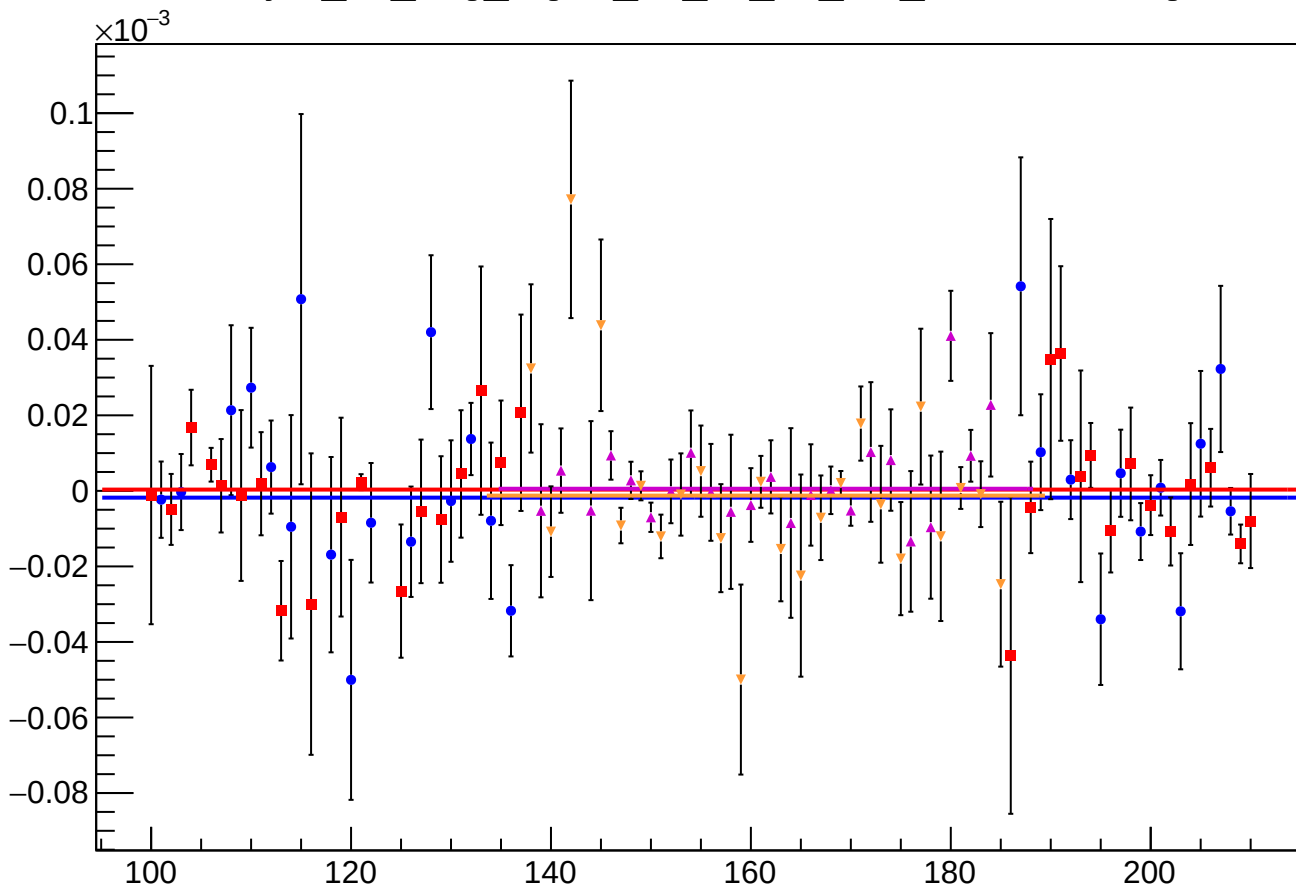
Left In: 327.572+/-0.059 χ^2/NDF : 4153081.9/22

+ sign 173.116+/-0.025 χ^2/NDF : 16966167.1/51

All: 165.538+/-0.017 χ^2/NDF : 35299774.7/10

- sign 159.186+/-0.023 χ^2/NDF : 18160092.3/55

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 39.0/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 35.7/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 34.1/31

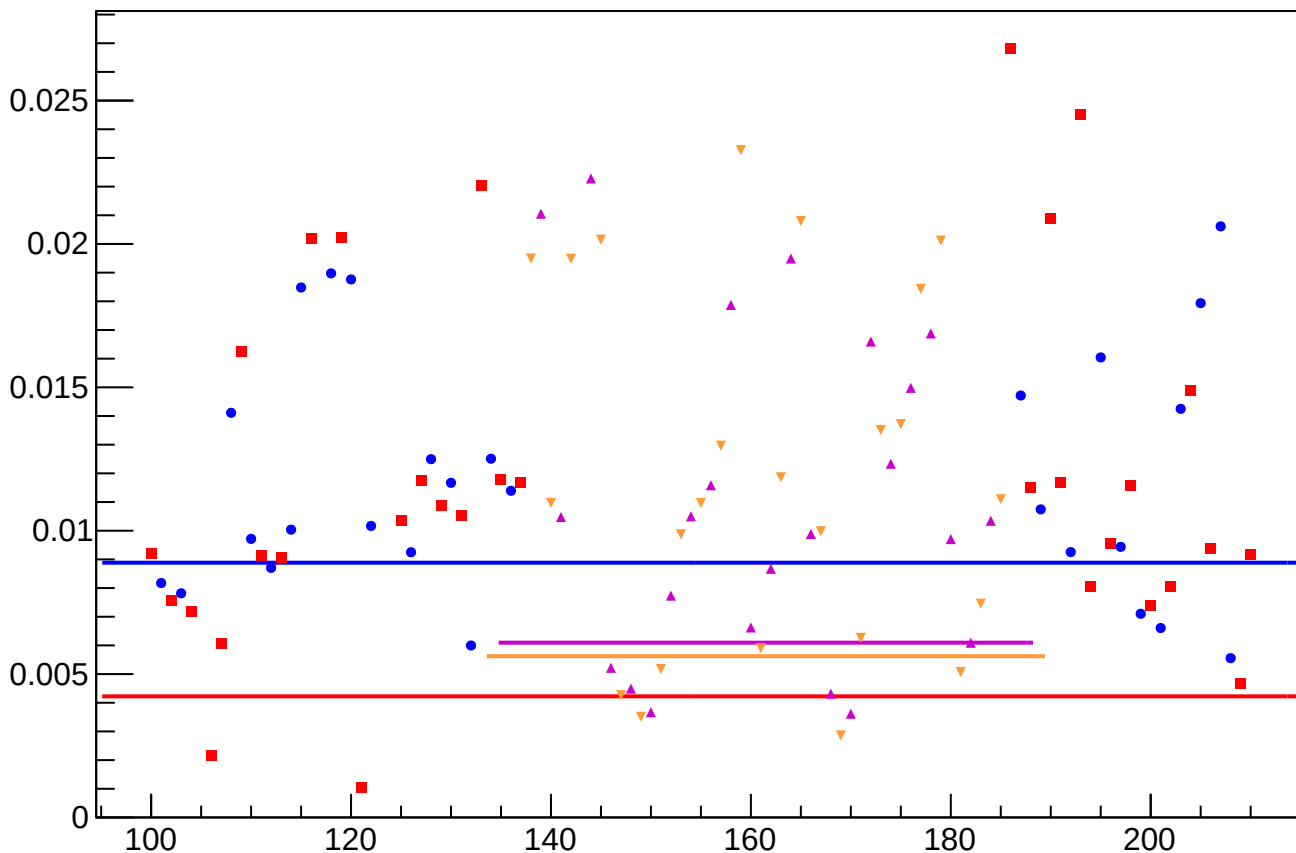
Left In: 0.000 ± 0.000 χ^2/NDF : 25.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 74.7/50

All: -0.000 ± 0.000 χ^2/NDF : 135.4/105

- sign 0.000 ± 0.000 χ^2/NDF : 59.6/54

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 3763014.5/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:11183743.0/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 16637601.2/31

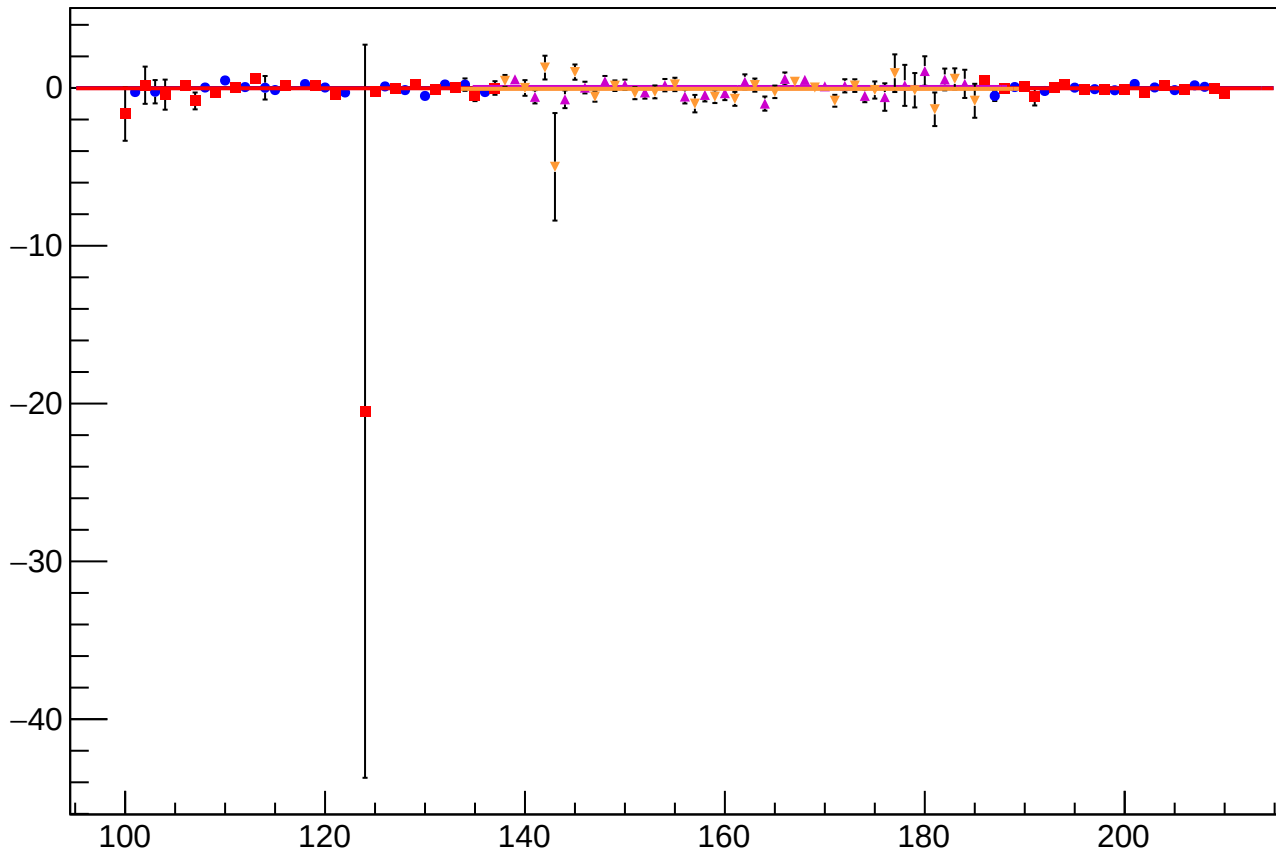
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:8798992.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 17426584.3/50

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 45905622.1/105

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 26796478.4/54

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.038 χ^2/NDF : 26.8/26

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: -0.020 ± 0.035 χ^2/NDF : 35.5/32

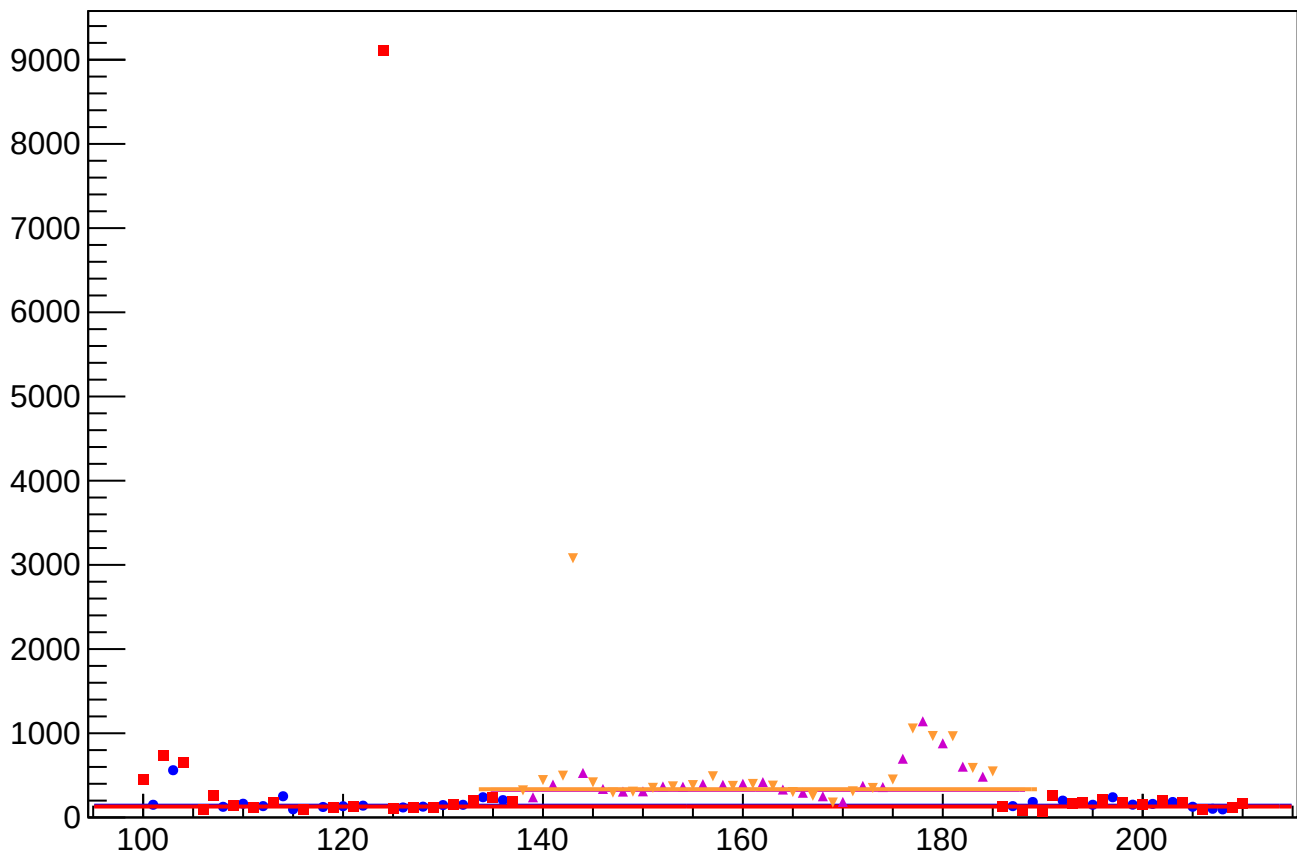
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.013 ± 0.035 χ^2/NDF : 60.2/51

All: -0.010 ± 0.024 χ^2/NDF : 124.6/107

- sign -0.008 ± 0.032 χ^2/NDF : 64.4/55

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 139.930+/-0.027 χ^2/NDF : 2275619.4/26

Left Out: 335.168+/-0.060 χ^2/NDF : 5852151.8/24

Right Out: 129.707+/-0.024 χ^2/NDF : 4273437.2/32

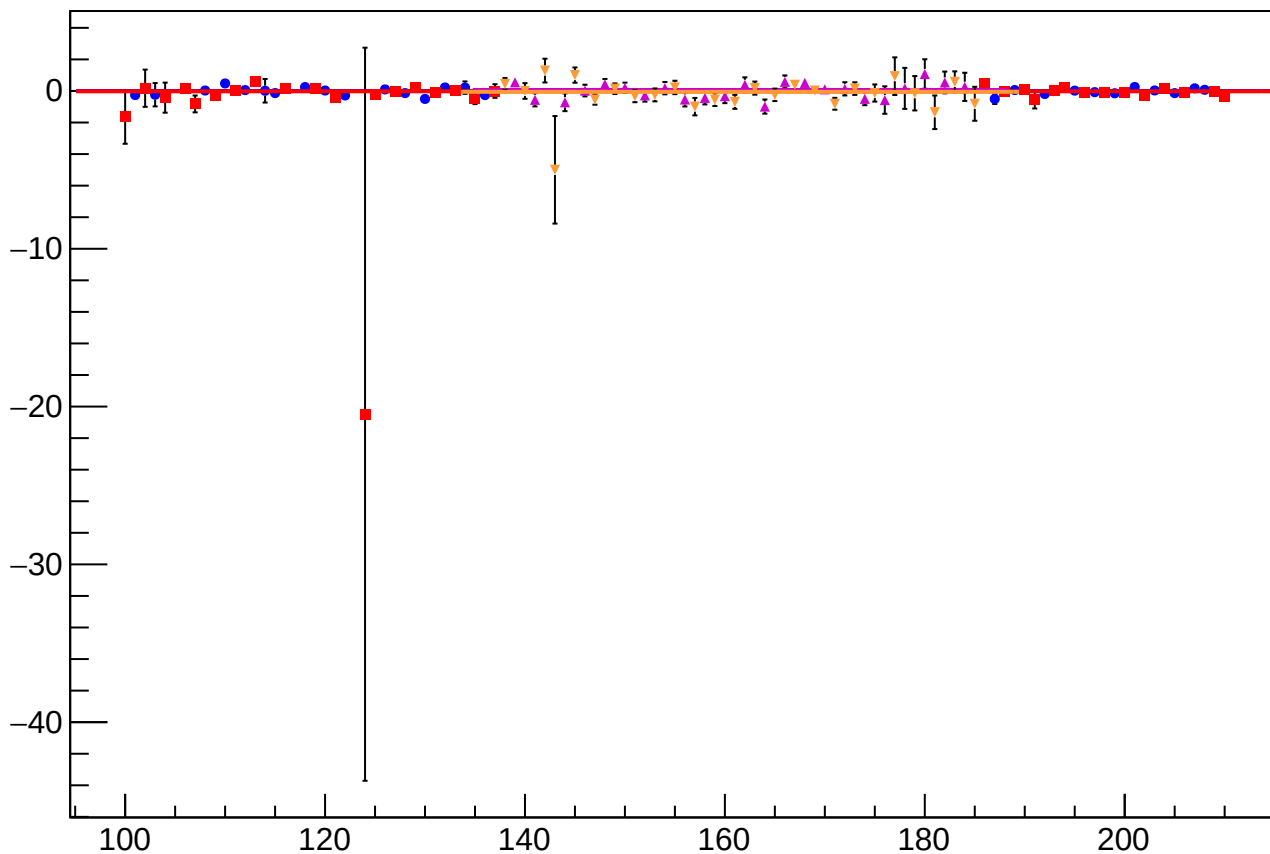
Left In: 327.575+/-0.059 χ^2/NDF : 4153087.6/22

+ sign 173.112+/-0.025 χ^2/NDF : 16966912.1/51

All: 165.535+/-0.017 χ^2/NDF : 35300996.2/10

- sign 159.184+/-0.023 χ^2/NDF : 18160598.6/55

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.038 χ^2/NDF : 26.8/26

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: -0.020 ± 0.035 χ^2/NDF : 35.5/32

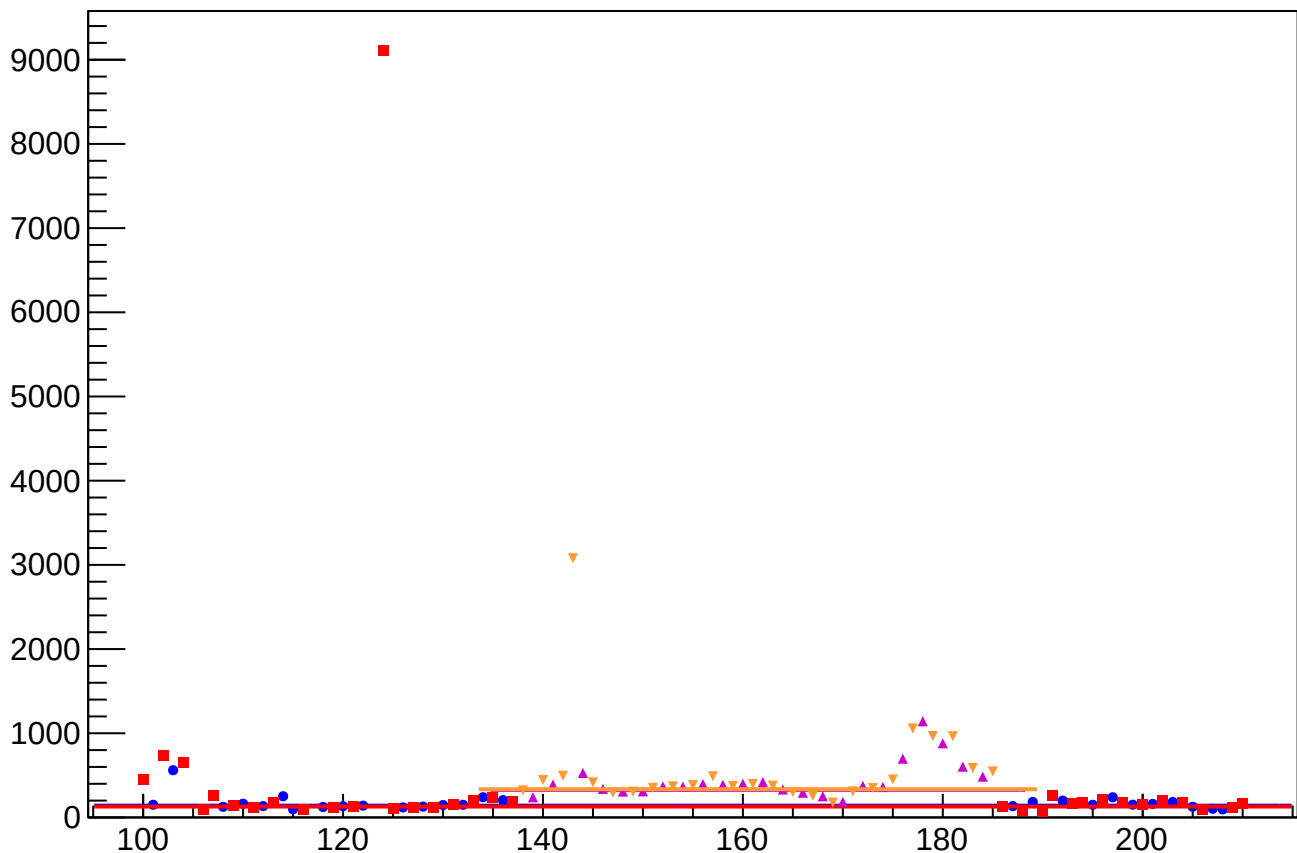
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.013 ± 0.035 χ^2/NDF : 60.2/51

All: -0.010 ± 0.024 χ^2/NDF : 124.6/107

- sign -0.008 ± 0.032 χ^2/NDF : 64.4/55

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 139.930+/-0.027 χ^2/NDF : 2275619.4/26

Left Out: 335.168+/-0.060 χ^2/NDF : 5852151.8/24

Right Out: 129.707+/-0.024 χ^2/NDF : 4273437.2/32

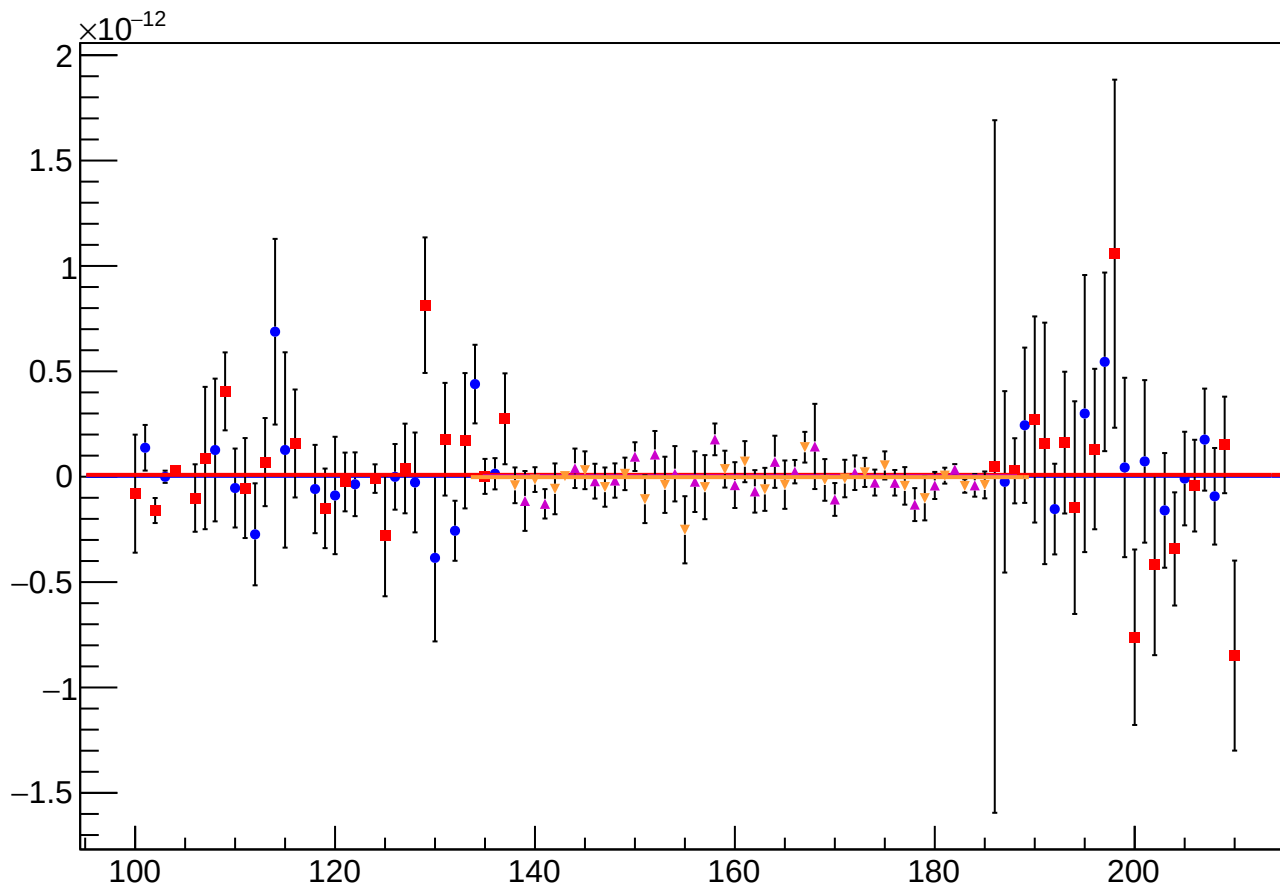
Left In: 327.575+/-0.059 χ^2/NDF : 4153087.6/22

+ sign 173.112+/-0.025 χ^2/NDF : 16966912.1/51

All: 165.535+/-0.017 χ^2/NDF : 35300996.2/100

- sign 159.184+/-0.023 χ^2/NDF : 18160598.6/55

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19.5/26

Left Out: -0.000+/-0.000 χ^2/NDF : 13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 37.7/32

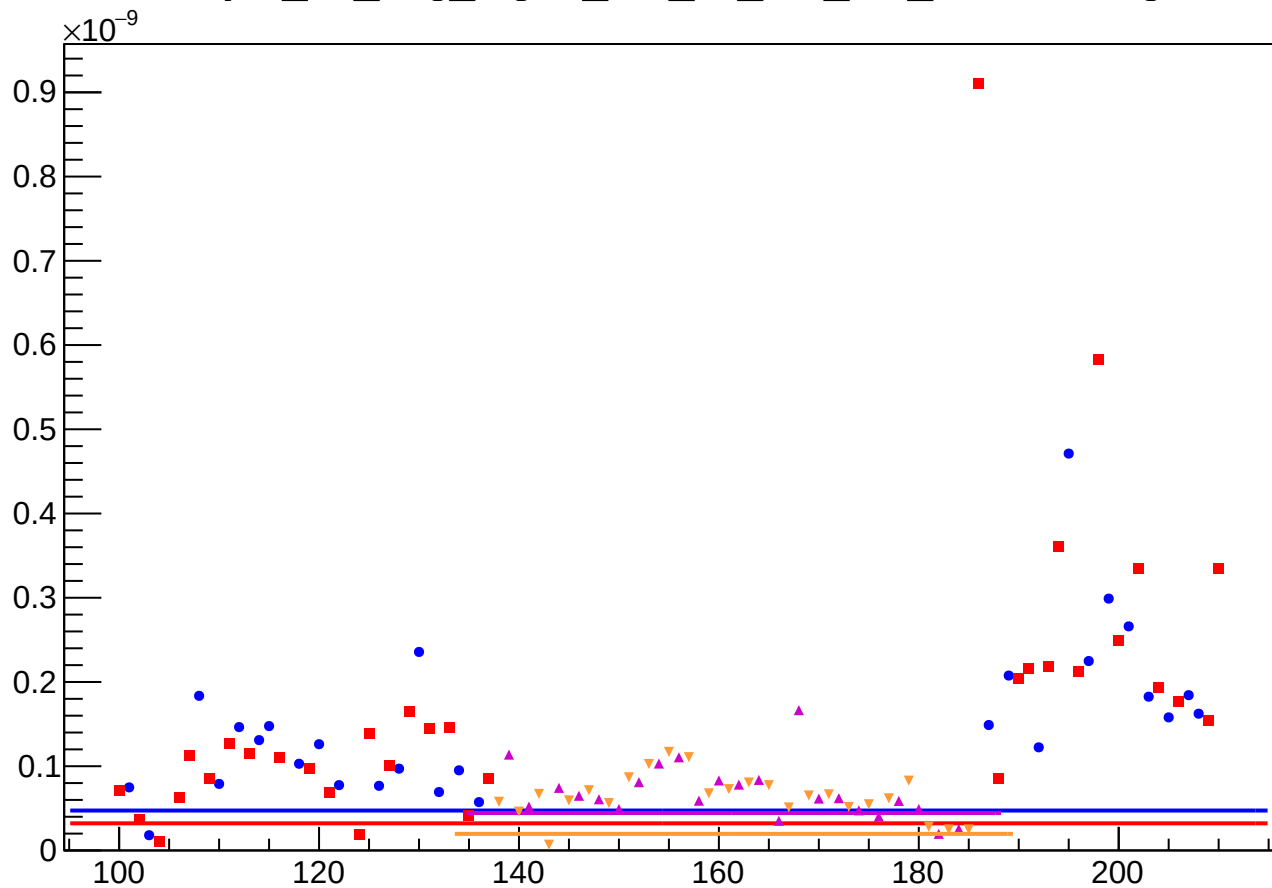
Left In: 0.000+/-0.000 χ^2/NDF : 22.5/22

+ sign -0.000+/-0.000 χ^2/NDF : 33.2/51

All: 0.000+/-0.000 χ^2/NDF : 93.7/107

- sign 0.000+/-0.000 χ^2/NDF : 60.3/55

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9654915.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 14888228.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 13673481.2/32

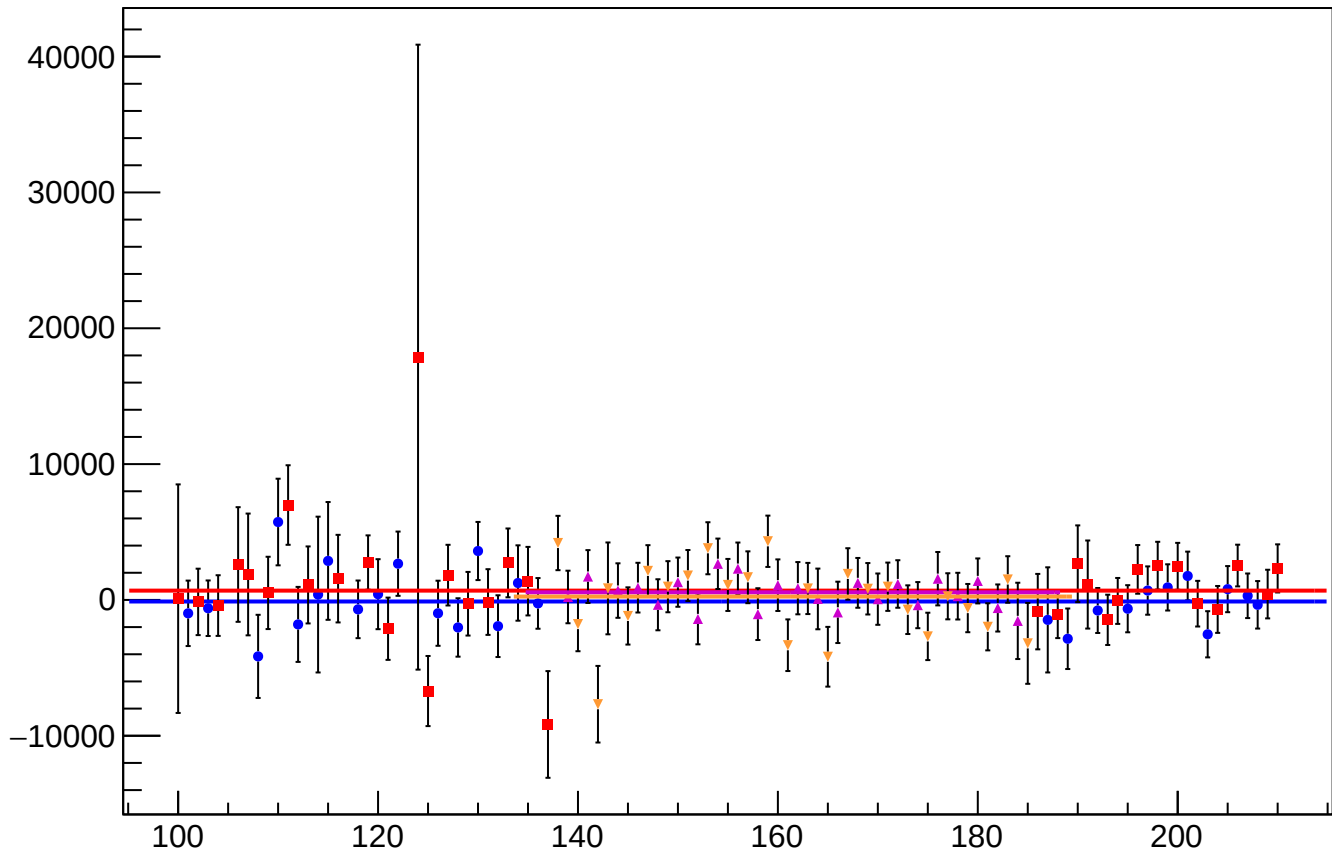
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 5919814.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 27087440.2/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 50342829.4/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 20162954.9/55

reg_asym_atl_dd_mean vs Slug



Right In: -114.769 ± 410.591 χ^2/NDF : 18.4/26

Left Out: 248.233 ± 388.827 χ^2/NDF : 39.6/24

Right Out: 685.489 ± 391.702 χ^2/NDF : 33.8/32

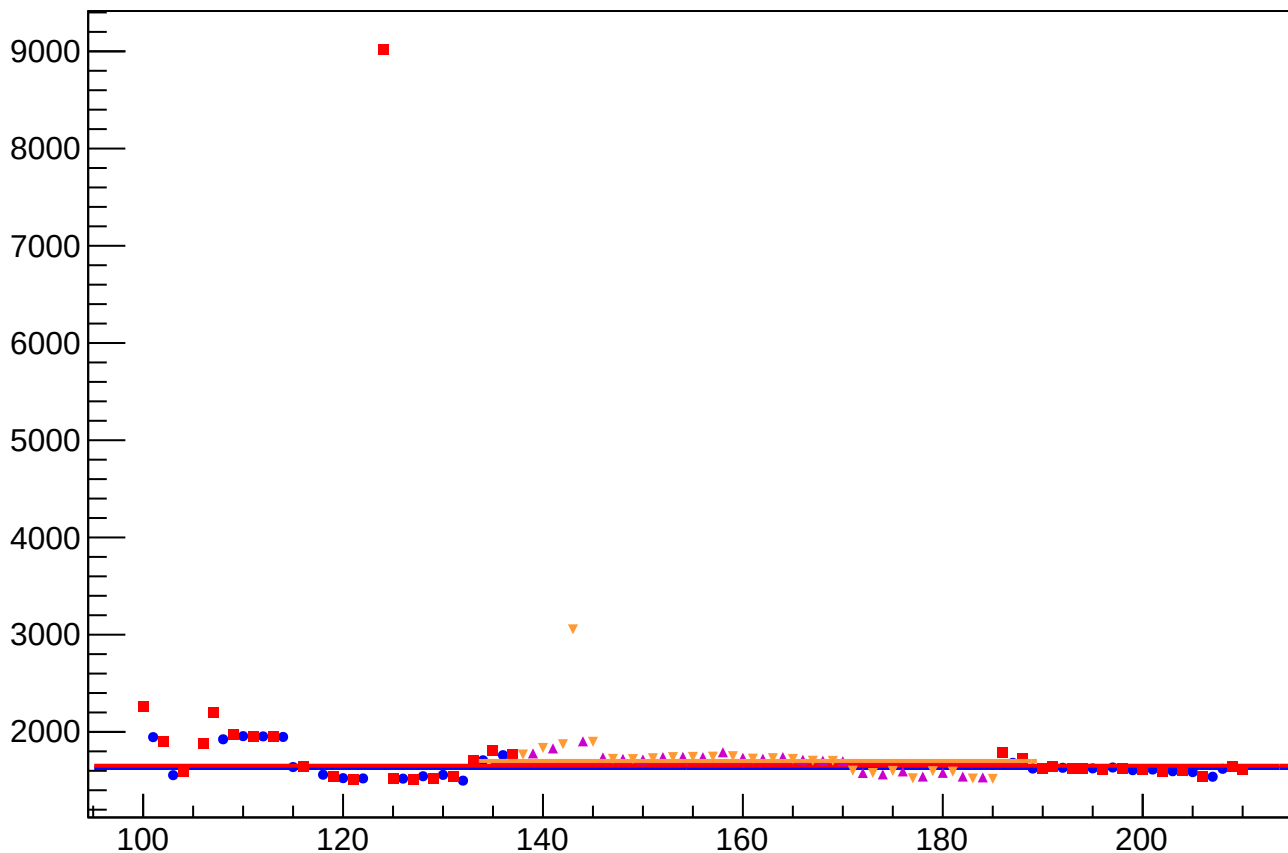
Left In: 559.995 ± 395.112 χ^2/NDF : 7.5/22

+ sign 76.608 ± 282.323 χ^2/NDF : 58.4/51

All: 353.995 ± 198.149 χ^2/NDF : 101.7/107

- sign 623.286 ± 278.173 χ^2/NDF : 41.4/55

reg_asym_atl_dd_rms vs Slug



Right In: 1629.164 $\pm$ 0.290 χ^2 /NDF: 157127.7/26

Left Out: 1701.583 $\pm$ 0.275 χ^2 /NDF: 452379.1/24

Right Out: 1652.156 $\pm$ 0.276 χ^2 /NDF: 422648.8/32

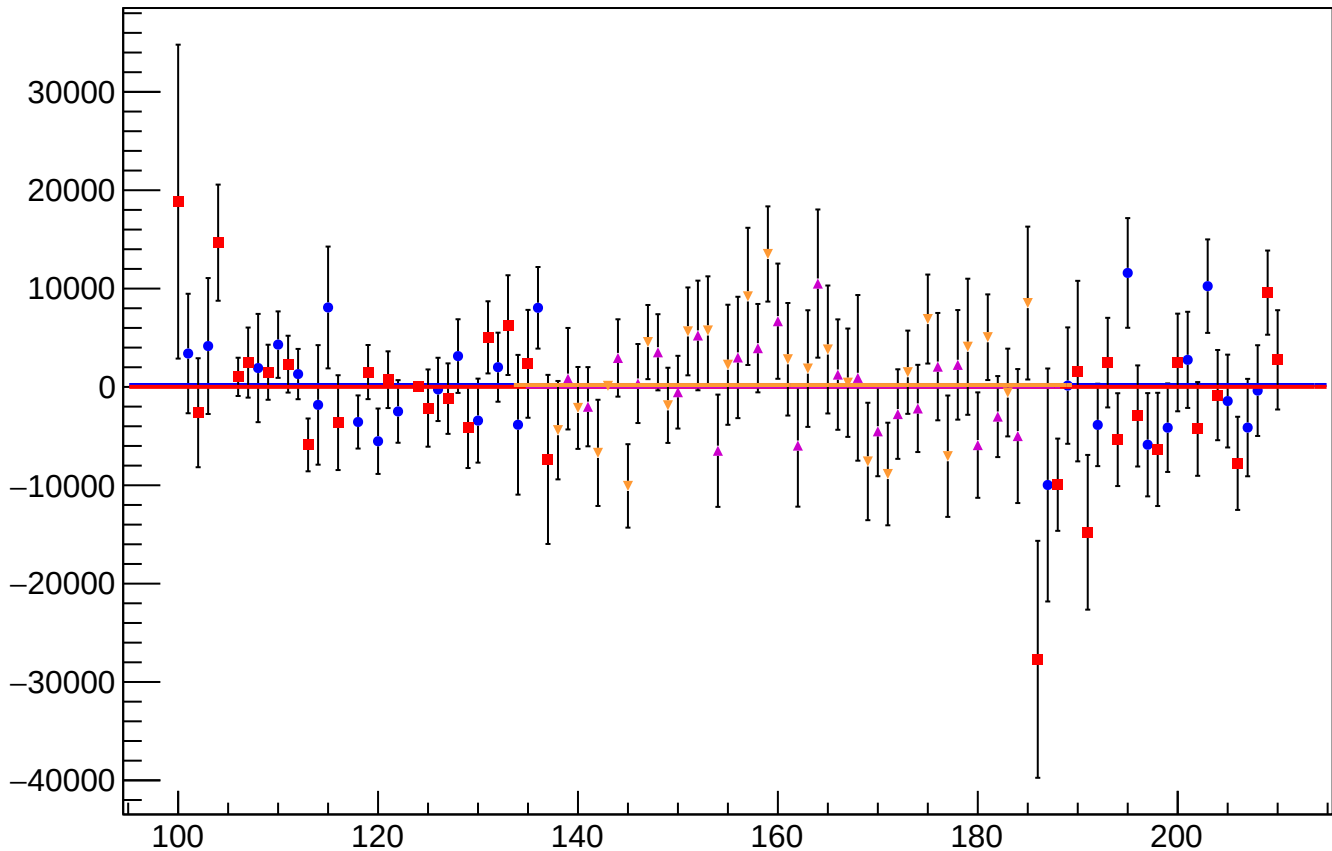
Left In: 1689.259 $\pm$ 0.279 χ^2 /NDF: 122317.9/22

+ sign 1667.343 $\pm$ 0.200 χ^2 /NDF: 642308.3/51

All: 1668.954 $\pm$ 0.140 χ^2 /NDF: 1196313.1/10

- sign 1670.514 $\pm$ 0.197 χ^2 /NDF: 553876.7/55

asym_atl_dd_reg_correction_mean vs Slug



Right In: 197.619 $\pm$ 813.275 χ^2 /NDF: 29.0/26

Left Out: 193.503 $\pm$ 343.131 χ^2 /NDF:33.9/24

Right Out: 6.892 $\pm$ 315.364 χ^2 /NDF: 46.6/32

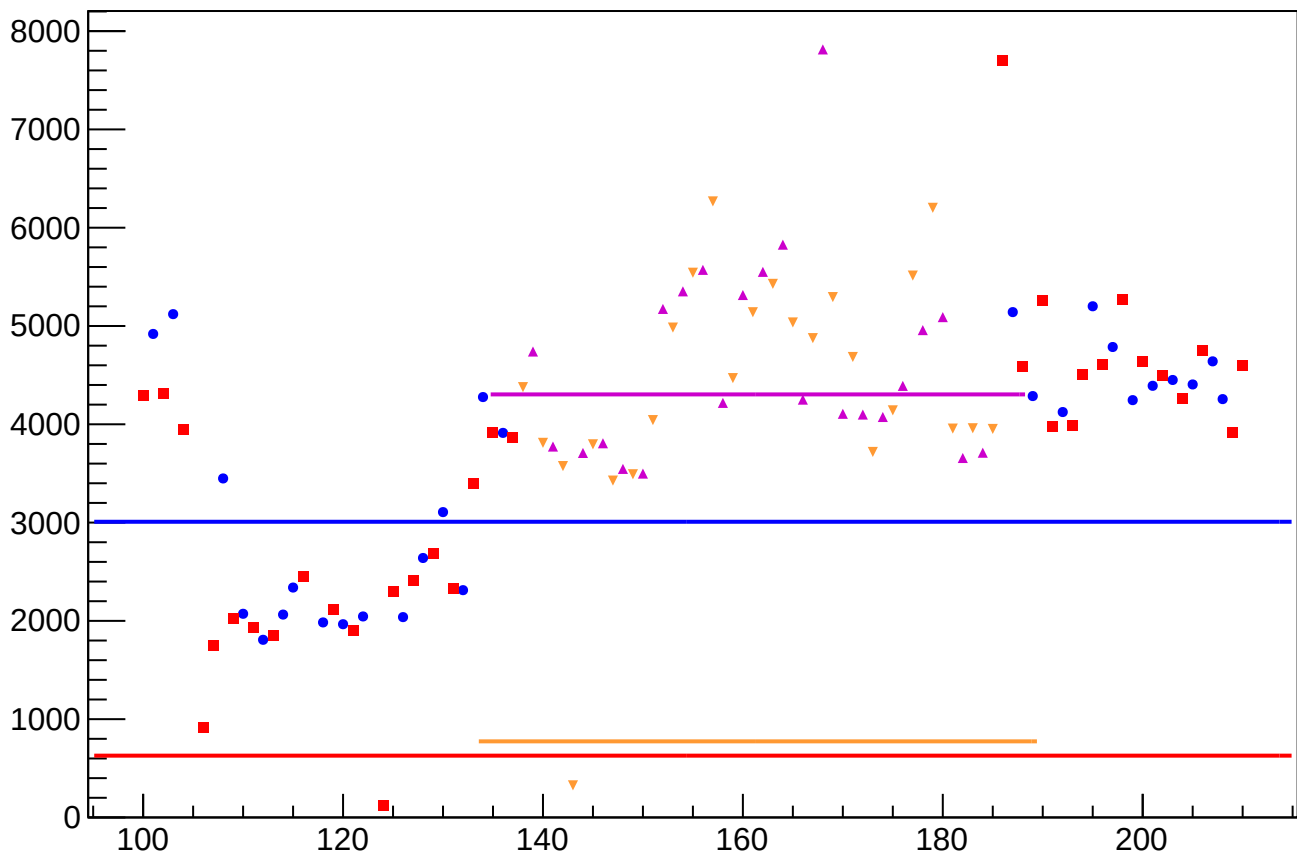
Left In: 28.728 $\pm$ 1025.481 χ^2 /NDF:13.3/22

+ sign 194.125 $\pm$ 316.145 χ^2 /NDF: 62.9/51

All: 97.039 $\pm$ 218.161 χ^2 /NDF: 122.9/107

- sign 8.779 $\pm$ 301.432 χ^2 /NDF: 59.8/55

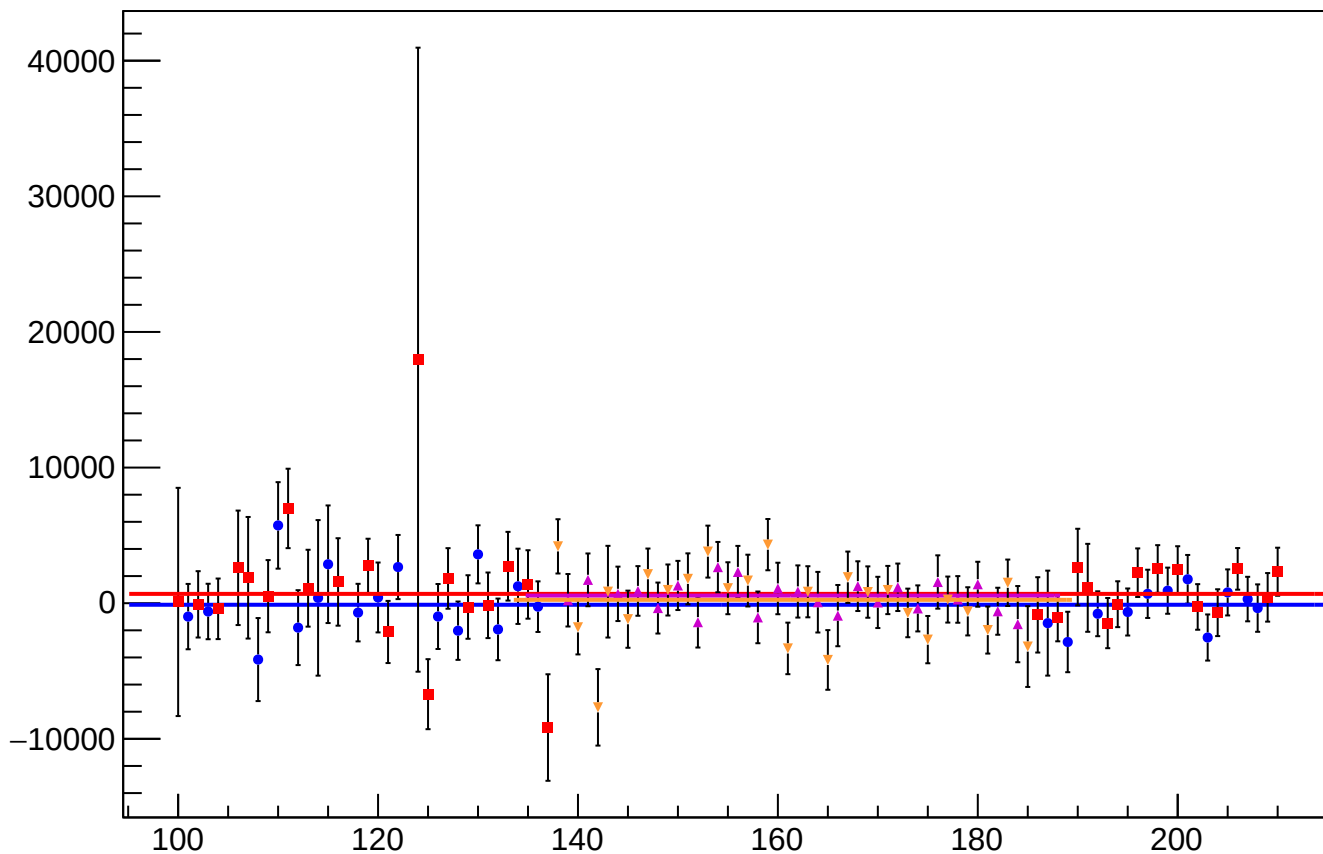
asym_atl_dd_reg_correction_rms vs Slug



Right In: 3008.269 ± 0.575 $\chi^2/\text{NDF}: 4043559.2/26$
 Left Out: 774.232 ± 0.243 $\chi^2/\text{NDF}: 28085586.8/24$
 Right Out: 628.787 ± 0.223 $\chi^2/\text{NDF}: 27631912.5/32$
 Left In: 4304.007 ± 0.725 $\chi^2/\text{NDF}: 1216578.1/22$

+ sign 1111.820 ± 0.224 $\chi^2/\text{NDF}: 44940250.7/51$
 All: 1025.137 ± 0.154 $\chi^2/\text{NDF}: 97544888.6/1$
 - sign 946.334 ± 0.213 $\chi^2/\text{NDF}: 52317588.7/55$

cor_asym_atl_dd_mean vs Slug



Right In: -114.713 ± 410.591 χ^2/NDF : 18.4/26

Left Out: 248.216 ± 388.827 χ^2/NDF : 39.6/24

Right Out: 687.123 ± 391.703 χ^2/NDF : 33.8/32

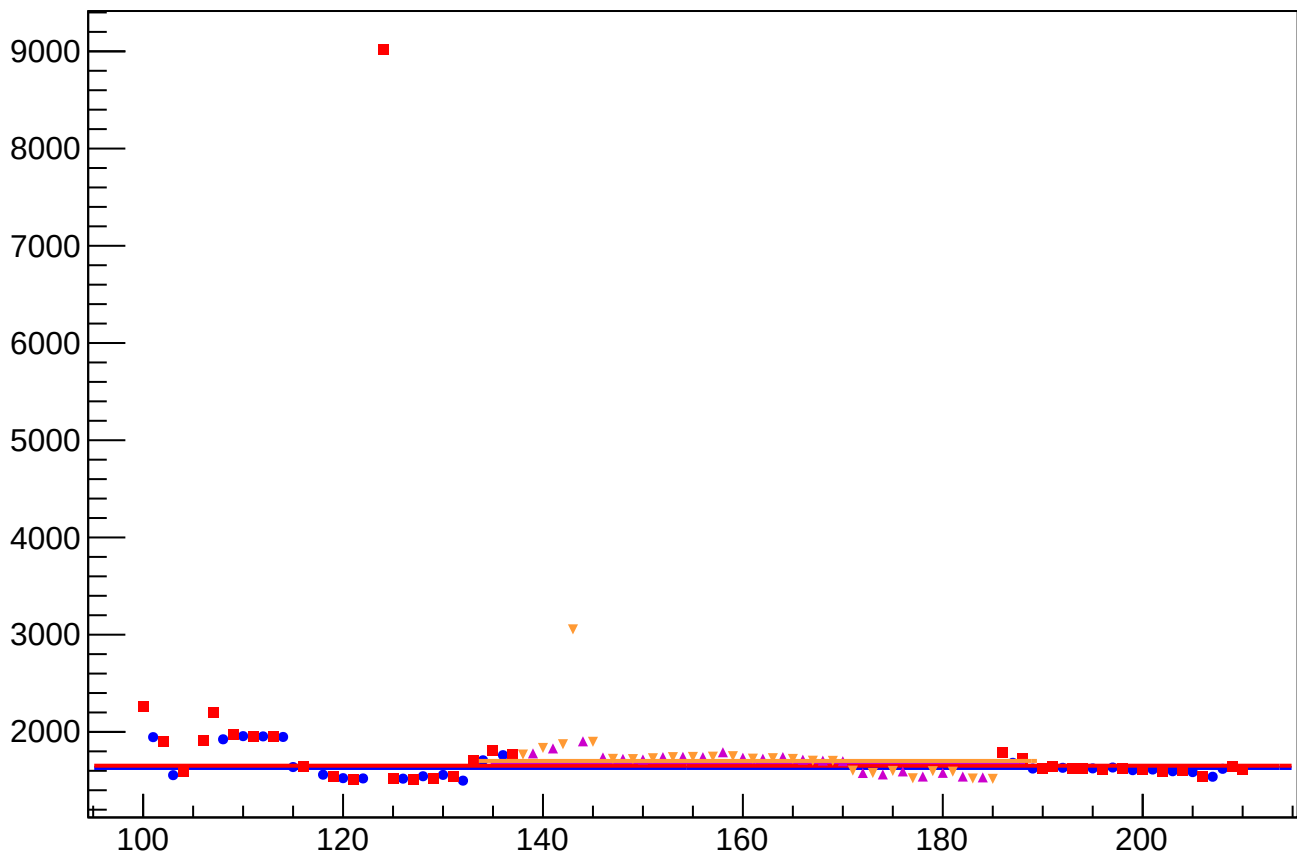
Left In: 559.960 ± 395.112 χ^2/NDF : 7.5/22

+ sign 76.625 ± 282.323 χ^2/NDF : 58.4/51

All: 354.412 ± 198.149 χ^2/NDF : 101.7/107

- sign 624.092 ± 278.173 χ^2/NDF : 41.4/55

cor_asym_atl_dd_rms vs Slug



Right In: 1629.164 $\pm$ 0.290 χ^2 /NDF: 157127.7/26

Left Out: 1701.583 $\pm$ 0.275 χ^2 /NDF: 452379.0/24

Right Out: 1652.445 $\pm$ 0.277 χ^2 /NDF: 424746.6/32

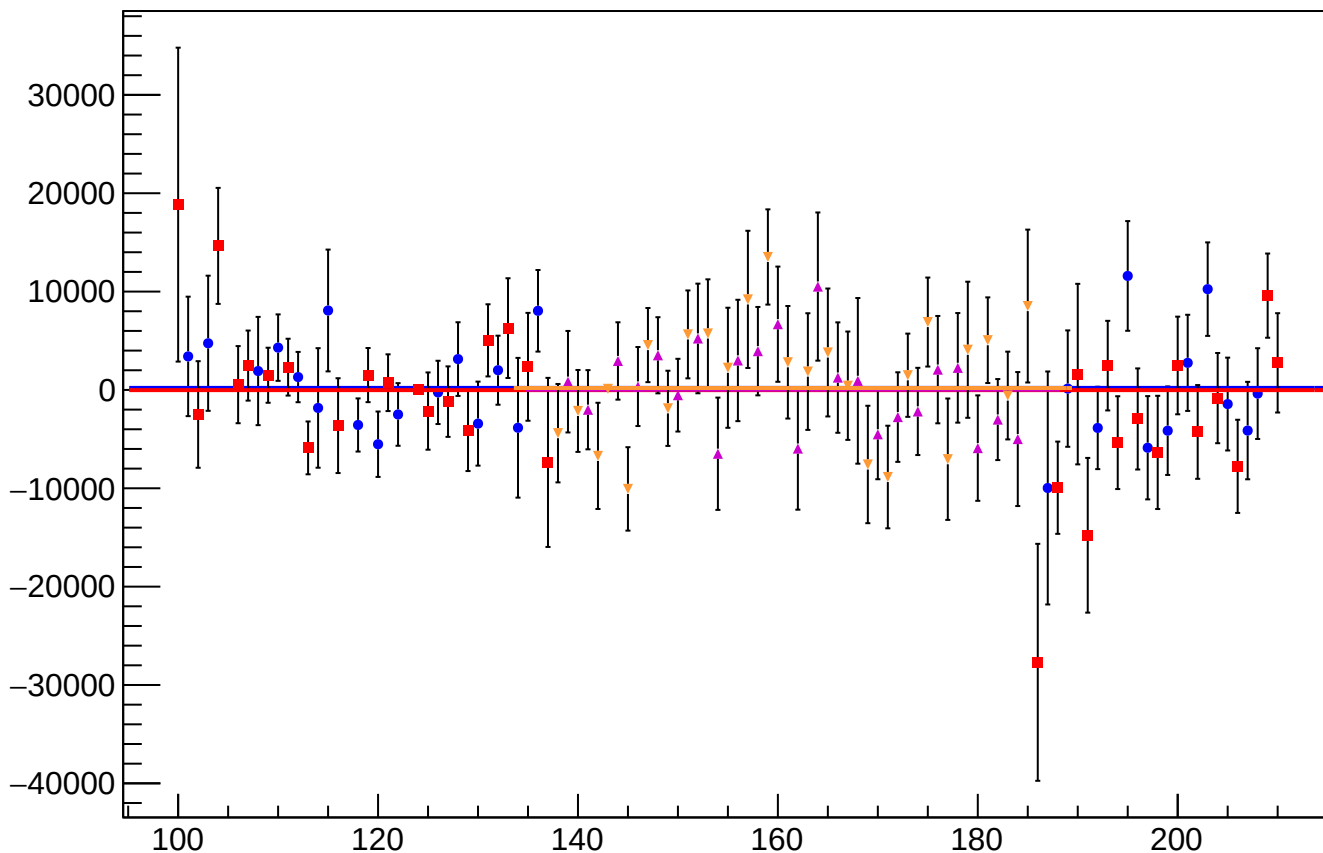
Left In: 1689.259 $\pm$ 0.279 χ^2 /NDF: 122317.9/22

+ sign 1667.343 $\pm$ 0.200 χ^2 /NDF: 642308.4/51

All: 1669.029 $\pm$ 0.140 χ^2 /NDF: 1198283.5/10

- sign 1670.663 $\pm$ 0.197 χ^2 /NDF: 555834.7/55

asym_atl_dd_cor_correction_mean vs Slug



Right In: 206.686 $\pm$ 813.203 χ^2 /NDF: 29.1/26

Left Out: 193.916 $\pm$ 343.107 χ^2 /NDF: 33.9/24

Right Out: -19.349 $\pm$ 307.993 χ^2 /NDF: 46.3/32

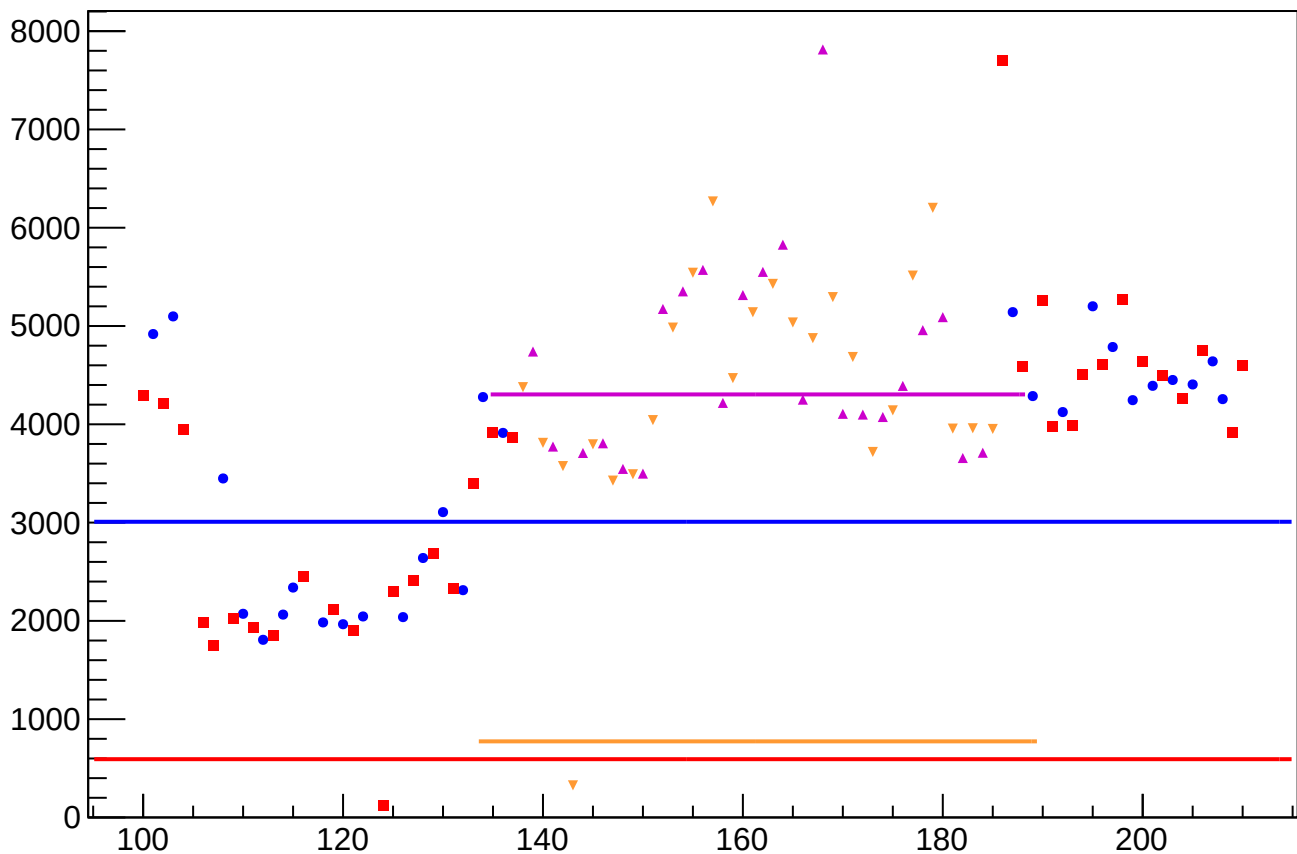
Left In: 28.766 $\pm$ 1025.480 χ^2 /NDF: 13.3/22

+ sign 195.845 $\pm$ 316.122 χ^2 /NDF: 63.0/51

All: 82.939 $\pm$ 215.668 χ^2 /NDF: 122.8/107

- sign -15.368 $\pm$ 294.976 χ^2 /NDF: 59.6/55

asym_atl_dd_cor_correction_rms vs Slug



Right In: 3008.286 $\pm$ 0.575 χ^2 /NDF: 4041632.5/26

Left Out: 774.143 $\pm$ 0.243 χ^2 /NDF:28086455.1/24

Right Out: 592.870 $\pm$ 0.218 χ^2 /NDF: 28237485.8/32

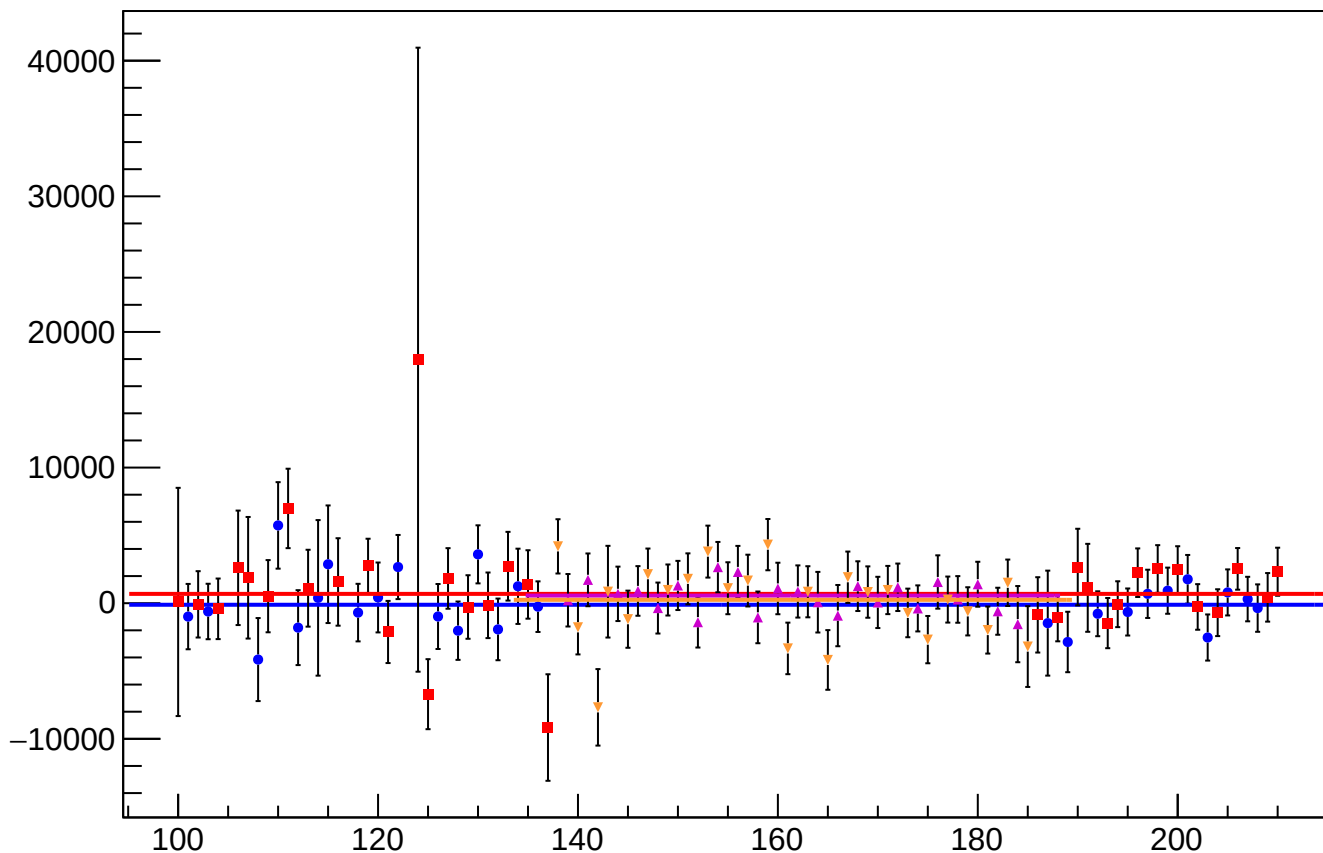
Left In: 4304.001 $\pm$ 0.725 χ^2 /NDF:1216572.3/22

+ sign 1111.758 $\pm$ 0.224 χ^2 /NDF: 44942599.6/51

All: 998.524 $\pm$ 0.153 χ^2 /NDF: 98902645.5/10

- sign 899.932 $\pm$ 0.209 χ^2 /NDF: 53480007.1/55

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -114.713 $\pm$ 410.591 χ^2/NDF : 18.4/26

Left Out: 248.216 $\pm$ 388.827 χ^2/NDF : 39.6/24

Right Out: 687.123 $\pm$ 391.703 χ^2/NDF : 33.8/32

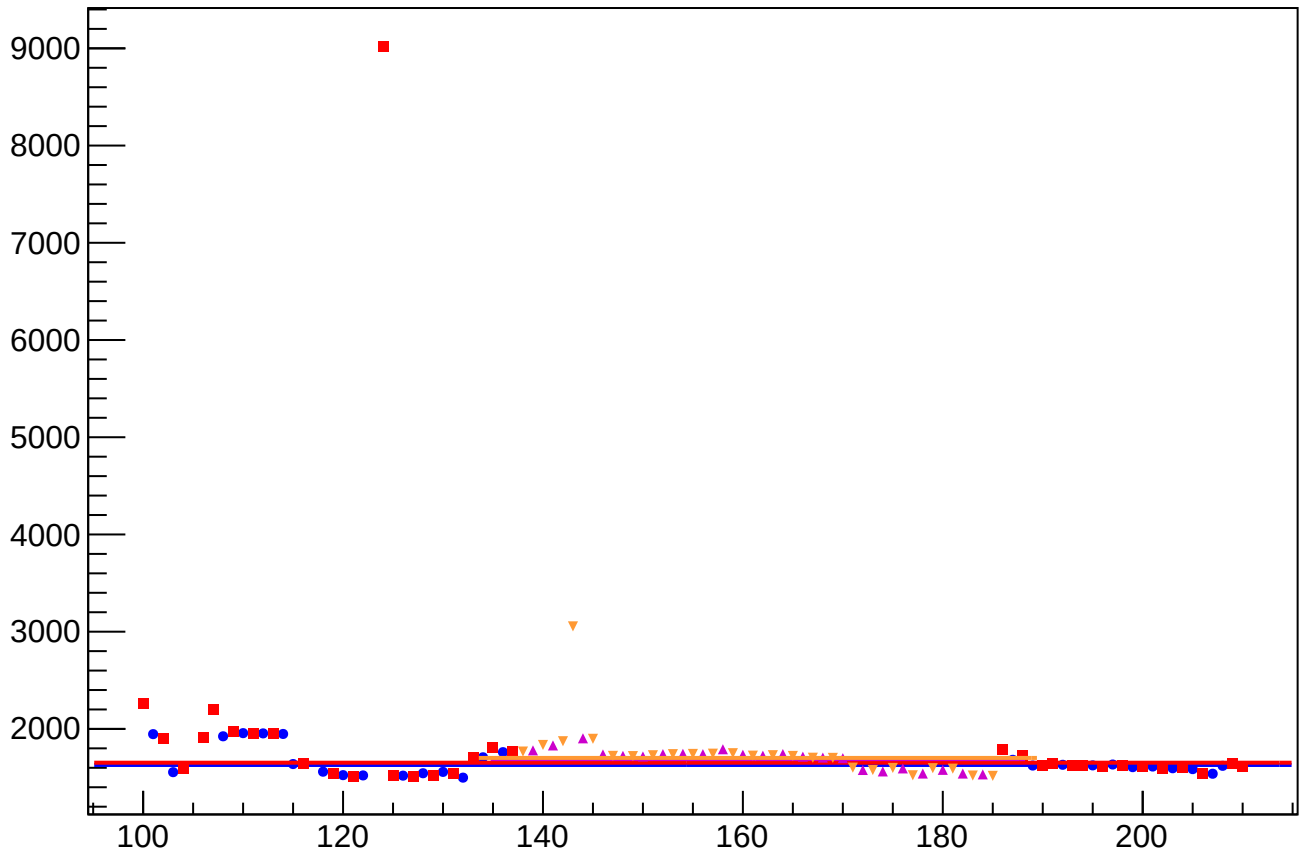
Left In: 559.960 $\pm$ 395.112 χ^2/NDF : 7.5/22

+ sign 76.625 $\pm$ 282.323 χ^2/NDF : 58.4/51

All: 354.412 $\pm$ 198.149 χ^2/NDF : 101.7/107

- sign 624.092 $\pm$ 278.173 χ^2/NDF : 41.4/55

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1629.164 $\pm$ 0.290 χ^2 /NDF: 157127.7/26

Left Out: 1701.583 $\pm$ 0.275 χ^2 /NDF: 452379.0/24

Right Out: 1652.445 $\pm$ 0.277 χ^2 /NDF: 424746.6/32

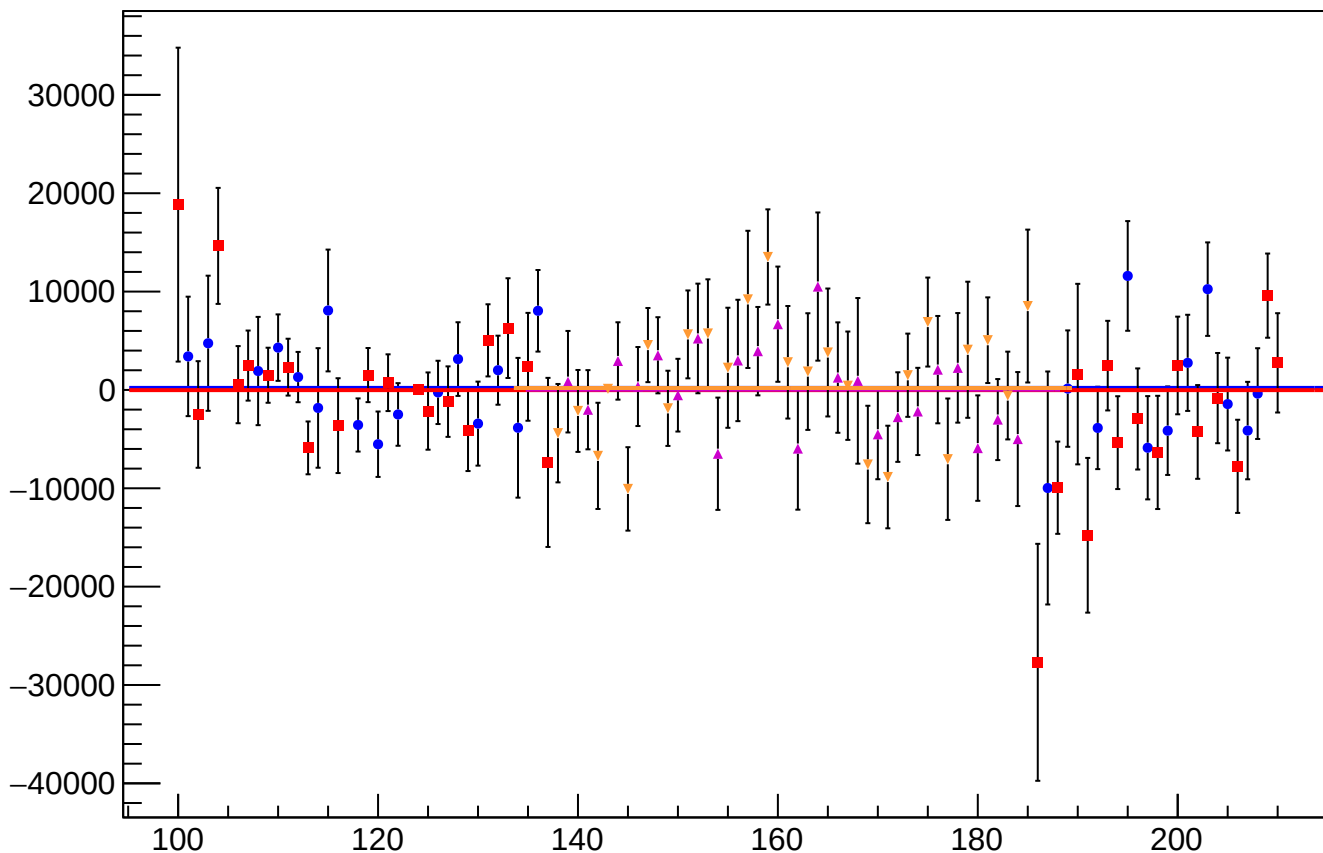
Left In: 1689.259 $\pm$ 0.279 χ^2 /NDF: 122317.9/22

+ sign 1667.343 $\pm$ 0.200 χ^2 /NDF: 642308.4/51

All: 1669.029 $\pm$ 0.140 χ^2 /NDF: 1198283.5/10

- sign 1670.663 $\pm$ 0.197 χ^2 /NDF: 555834.7/55

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 206.686 $\pm$ 813.203 χ^2 /NDF: 29.1/26

Left Out: 193.916 $\pm$ 343.107 χ^2 /NDF: 33.9/24

Right Out: -19.349 $\pm$ 307.993 χ^2 /NDF: 46.3/32

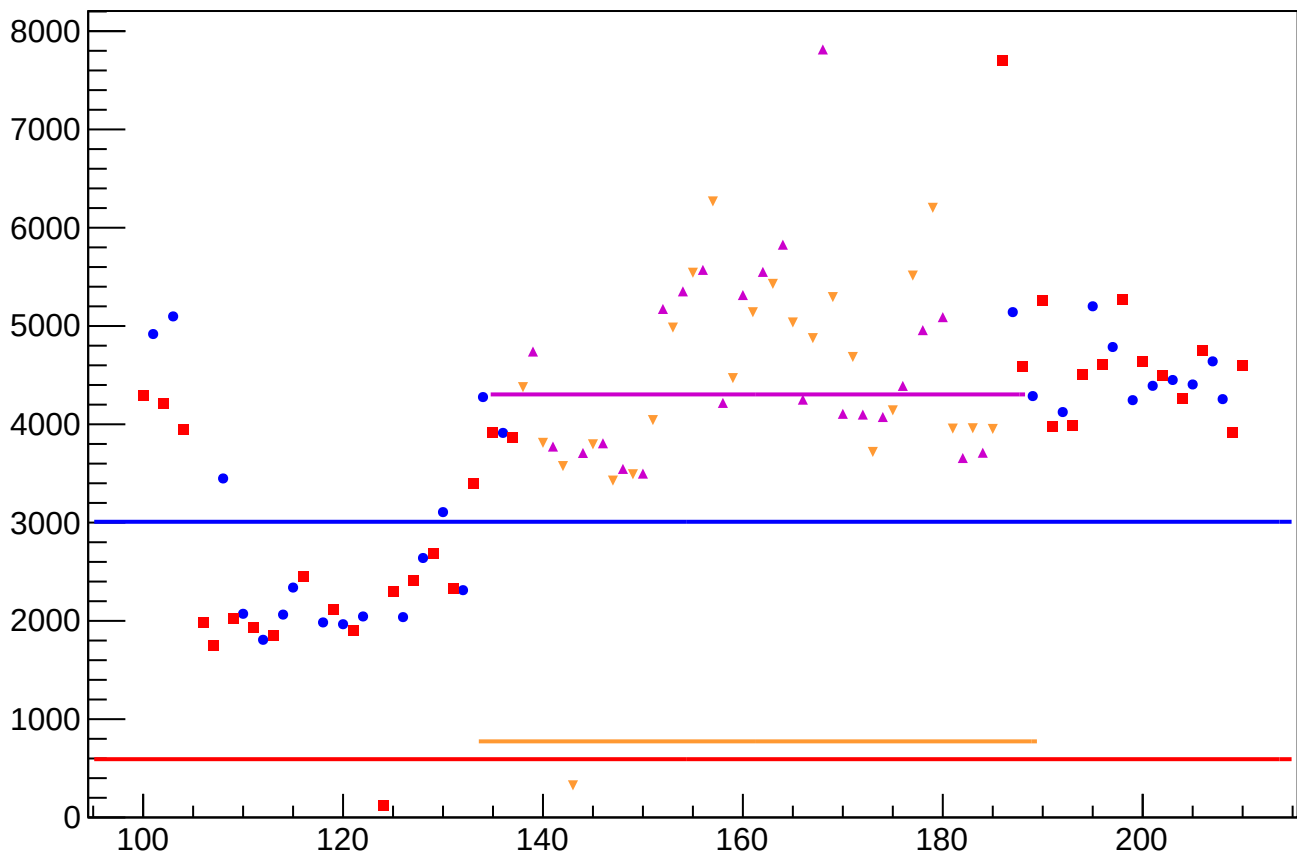
Left In: 28.766 $\pm$ 1025.480 χ^2 /NDF: 13.3/22

+ sign 195.845 $\pm$ 316.122 χ^2 /NDF: 63.0/51

All: 82.939 $\pm$ 215.668 χ^2 /NDF: 122.8/107

- sign -15.368 $\pm$ 294.976 χ^2 /NDF: 59.6/55

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 3008.286 $\pm$ 0.575 χ^2 /NDF: 4041632.5/26

Left Out: 774.143 $\pm$ 0.243 χ^2 /NDF:28086455.1/24

Right Out: 592.870 $\pm$ 0.218 χ^2 /NDF: 28237485.8/32

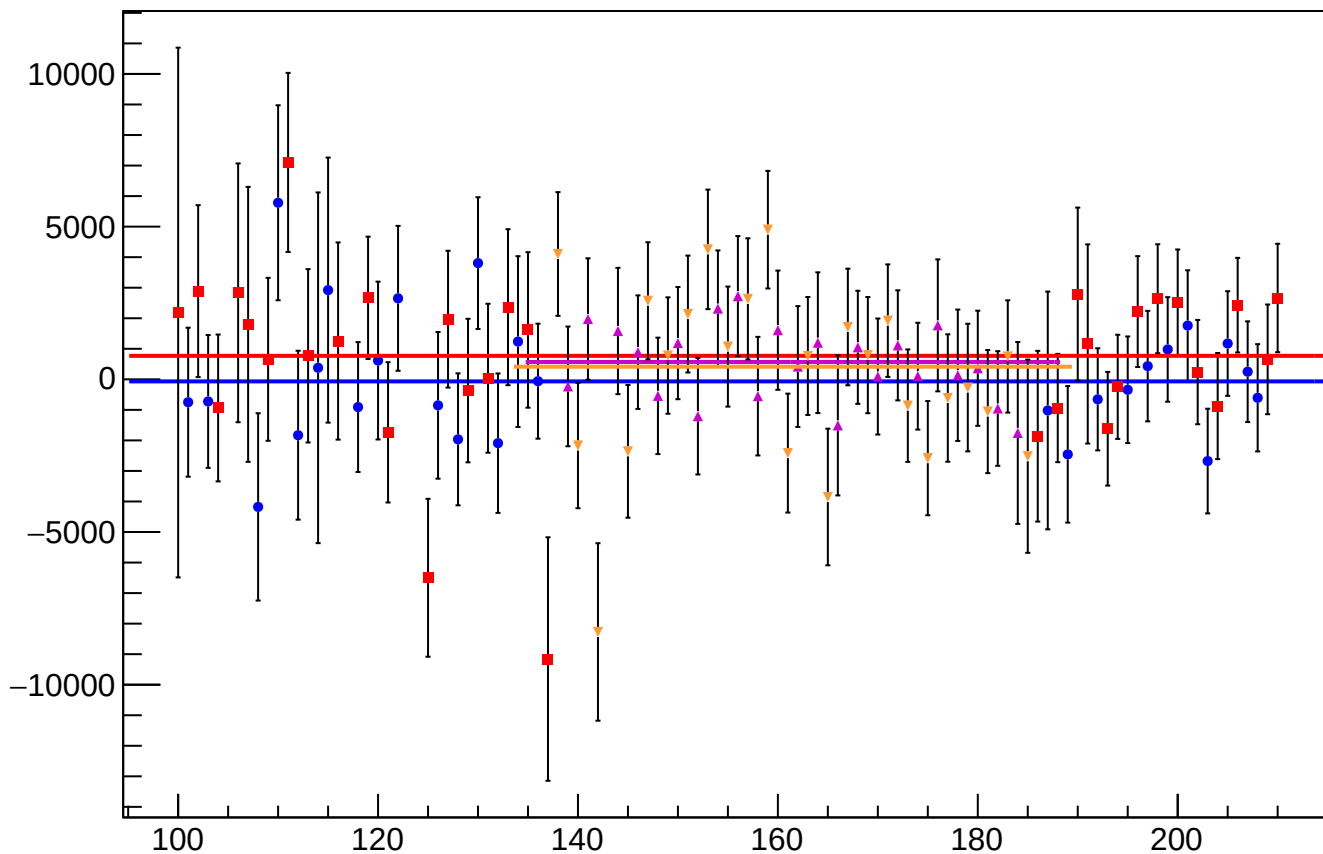
Left In: 4304.001 $\pm$ 0.725 χ^2 /NDF:1216572.3/22

+ sign 1111.758 $\pm$ 0.224 χ^2 /NDF: 44942599.6/51

All: 998.524 $\pm$ 0.153 χ^2 /NDF: 98902645.5/10

- sign 899.932 $\pm$ 0.209 χ^2 /NDF: 53480007.1/55

dit_asym_atl_dd_mean vs Slug



Right In: -67.726 ± 414.236 χ^2/NDF : 18.6/26

Left Out: 413.309 ± 410.536 χ^2/NDF : 40.0/23

Right Out: 769.444 ± 396.350 χ^2/NDF : 33.7/31

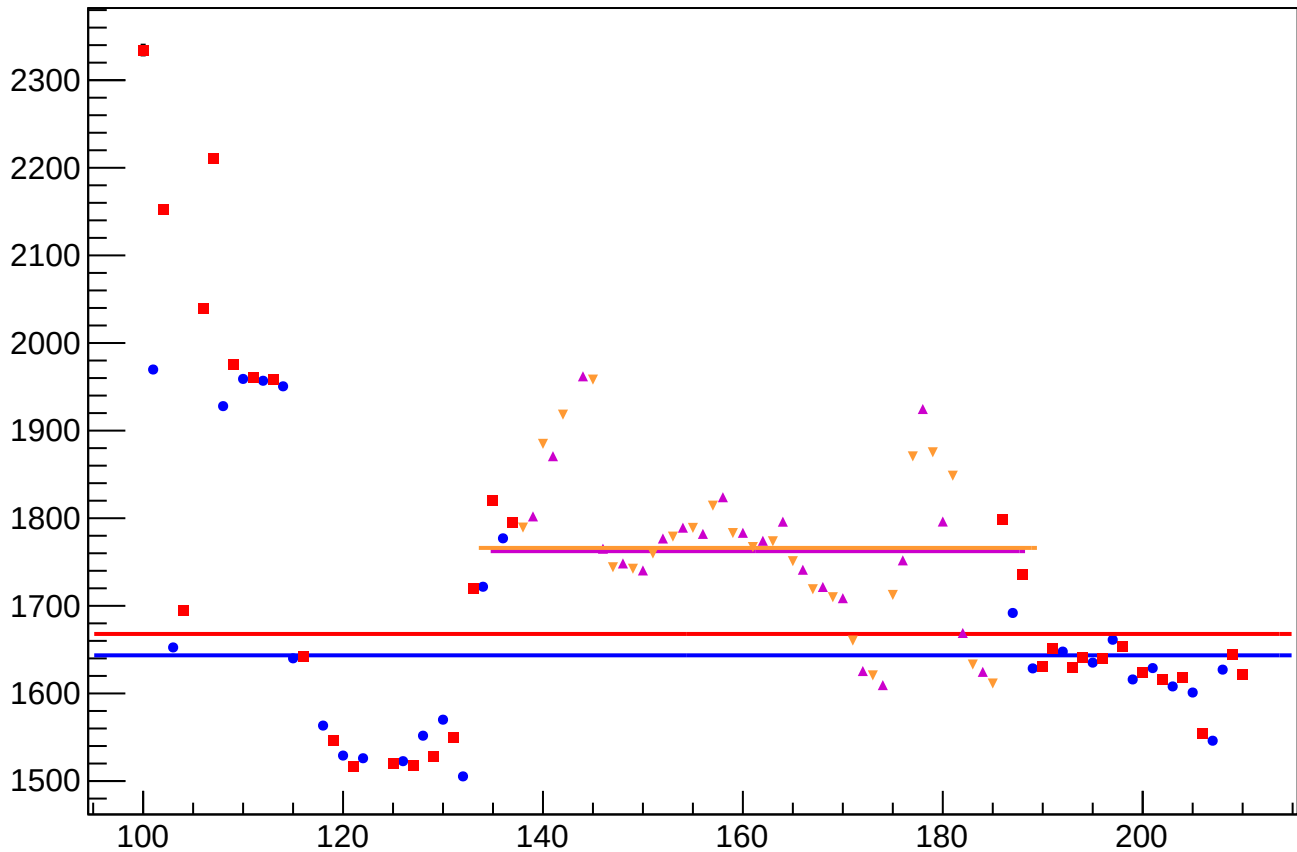
Left In: 568.823 ± 412.052 χ^2/NDF : 7.7/22

+ sign 174.950 ± 291.592 χ^2/NDF : 59.3/50

All: 429.114 ± 204.054 χ^2/NDF : 102.4/105

- sign 673.028 ± 285.652 χ^2/NDF : 41.6/54

dit_asym_atl_dd_rms vs Slug



Right In: 1643.506 ± 0.293 χ^2/NDF : 156074.9/26

Left Out: 1766.115 ± 0.290 χ^2/NDF : 83252.4/23

Right Out: 1667.909 ± 0.280 χ^2/NDF : 266533.0/31

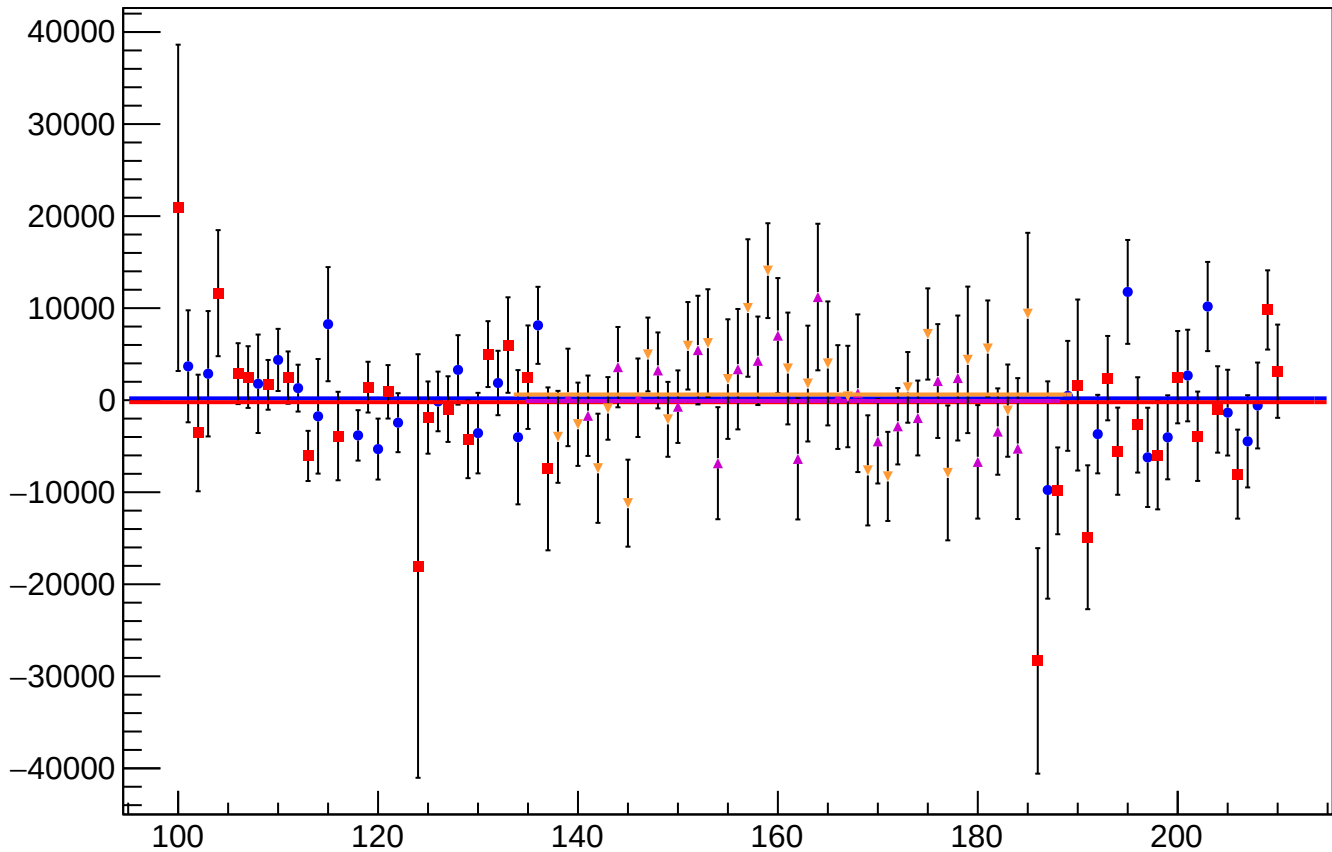
Left In: 1762.405 ± 0.291 χ^2/NDF : 80090.6/22

+ sign 1705.361 ± 0.206 χ^2/NDF : 327722.4/50

All: 1709.404 ± 0.144 χ^2/NDF : 729780.1/105

- sign 1713.281 ± 0.202 χ^2/NDF : 401304.4/54

asym_atl_dd_dit_correction_mean vs Slug



Right In: 198.079 $\pm$ 818.323 χ^2 /NDF: 28.8/26

Left Out: 619.658 $\pm$ 1034.658 χ^2 /NDF:33.1/24

Right Out: -217.243 $\pm$ 749.336 χ^2 /NDF: 44.6/32

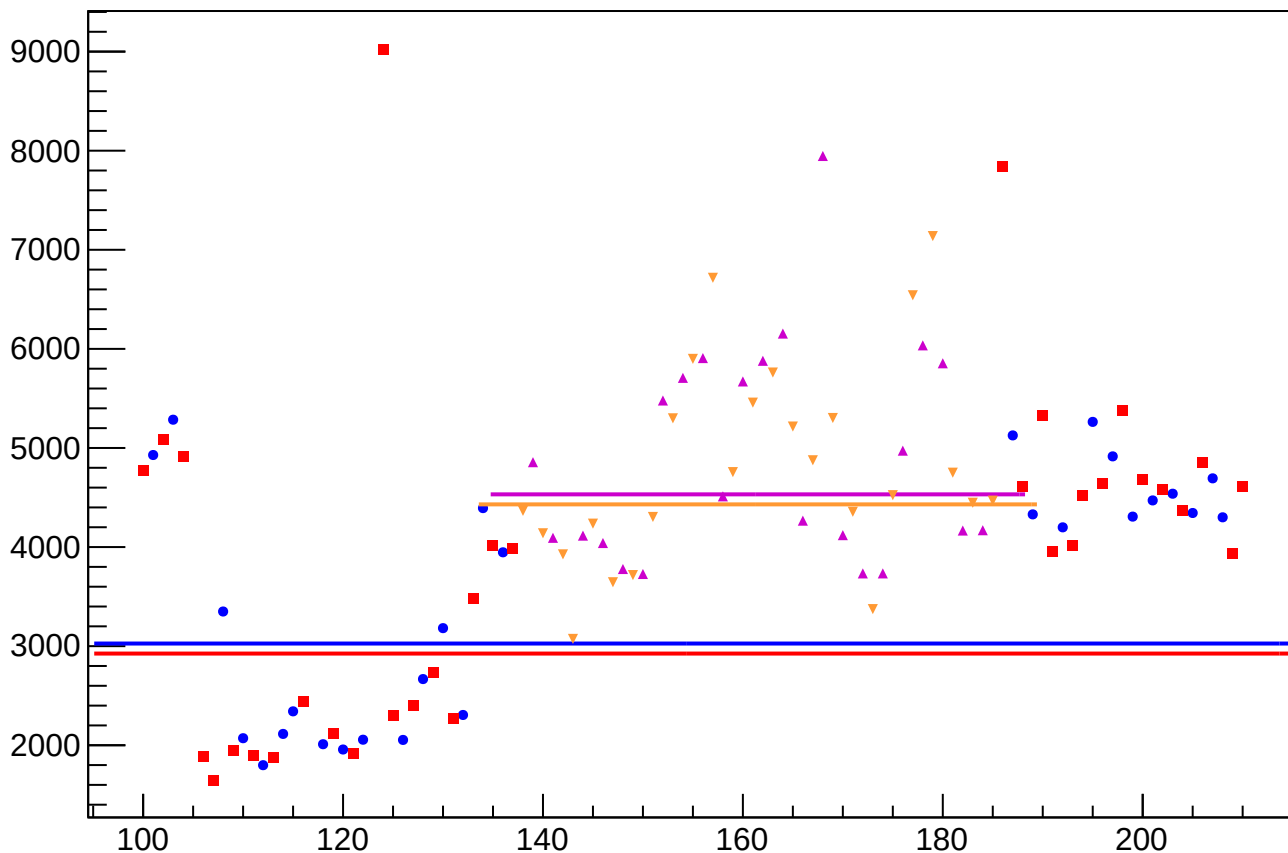
Left In: -85.511 $\pm$ 1082.508 χ^2 /NDF:12.9/22

+ sign 360.311 $\pm$ 641.838 χ^2 /NDF: 61.9/51

All: 81.942 $\pm$ 444.478 χ^2 /NDF: 119.8/107

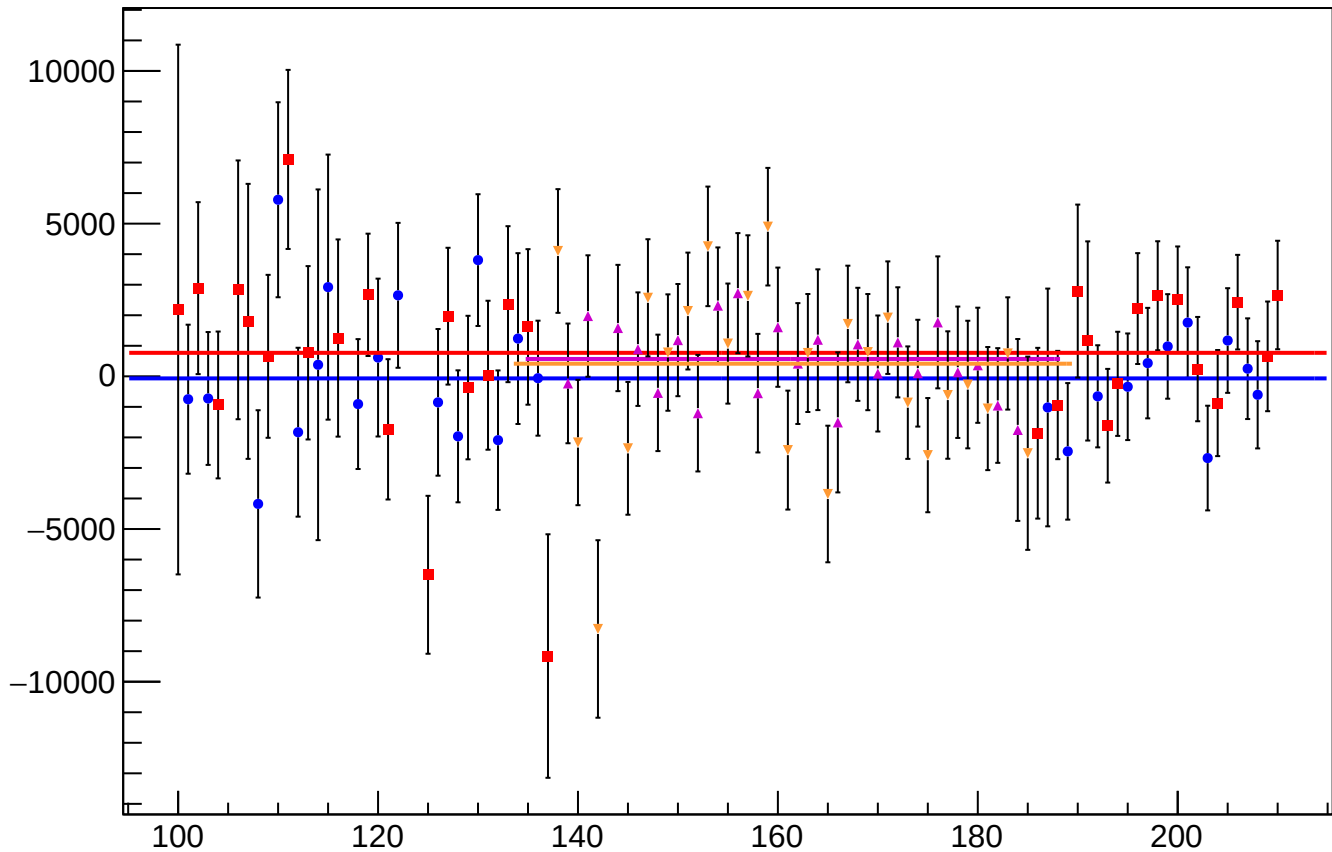
- sign -174.569 $\pm$ 616.123 χ^2 /NDF: 57.5/55

asym_atl_dd_dit_correction_rms vs Slug



Right In: 3026.488+/-0.579	χ^2/NDF : 4155367.4/26	+ sign 3566.895+/-0.454	χ^2/NDF : 8035180.0/51
Left Out: 4430.796+/-0.732	χ^2/NDF : 1613272.4/24	All: 3503.833+/-0.314	χ^2/NDF : 17993705.4/1
Right Out: 2925.237+/-0.530	χ^2/NDF : 5566284.1/32	- sign 3445.723+/-0.436	χ^2/NDF : 9921428.0/55
Left In: 4531.944+/-0.765	χ^2/NDF : 1376472.2/22		

eigen_dit_asym_atl_dd_mean vs Slug



Right In: -67.728 ± 414.236 χ^2/NDF : 18.6/26

Left Out: 413.311 ± 410.536 χ^2/NDF : 40.0/23

Right Out: 769.441 ± 396.350 χ^2/NDF : 33.7/31

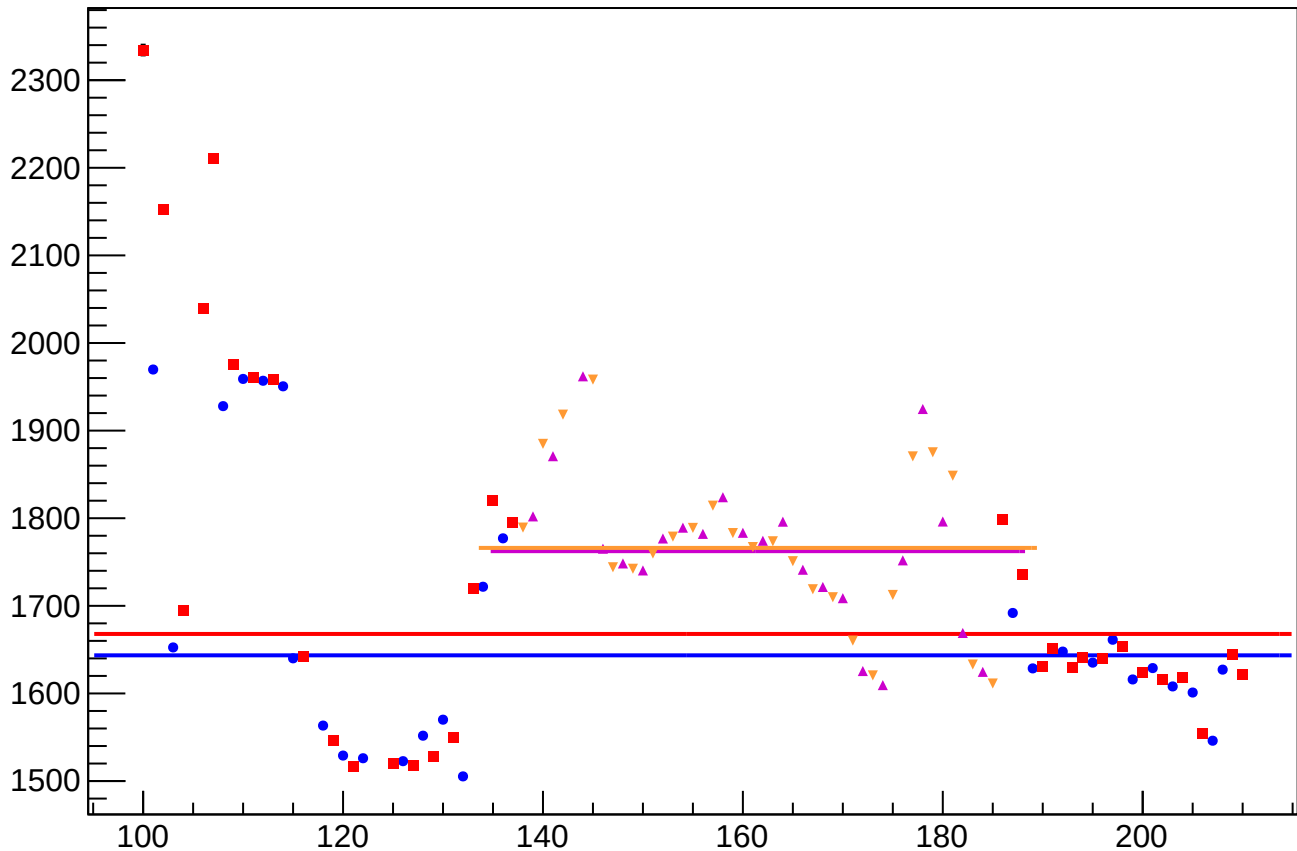
Left In: 568.821 ± 412.052 χ^2/NDF : 7.7/22

+ sign 174.950 ± 291.592 χ^2/NDF : 59.3/50

All: 429.113 ± 204.054 χ^2/NDF : 102.4/105

- sign 673.026 ± 285.652 χ^2/NDF : 41.6/54

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1643.506+/-0.293 χ^2/NDF : 156074.8/26

Left Out: 1766.116+/-0.290 χ^2/NDF : 83255.3/23

Right Out: 1667.909+/-0.280 χ^2/NDF : 266531.7/31

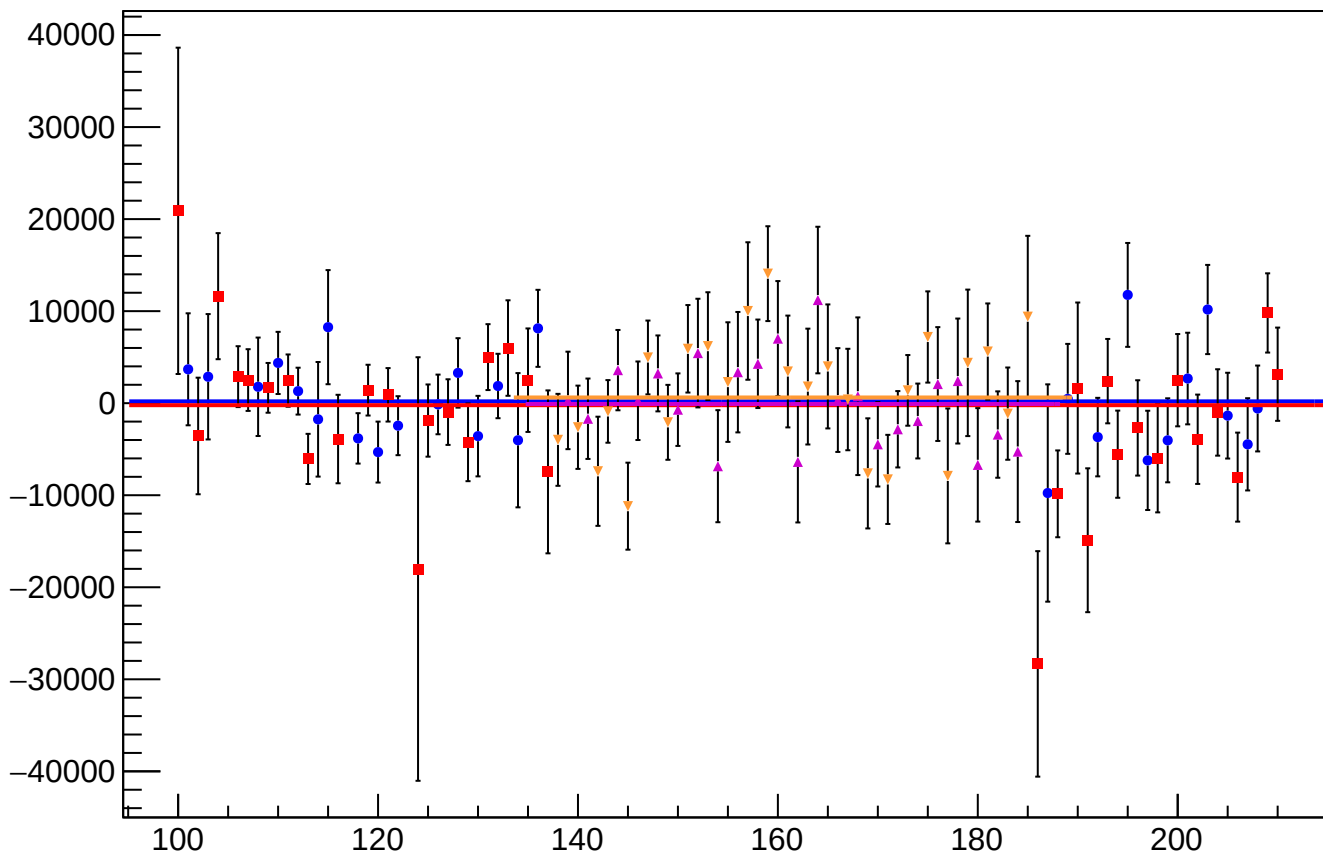
Left In: 1762.406+/-0.291 χ^2/NDF : 80093.2/22

+ sign 1705.361+/-0.206 χ^2/NDF : 327726.6/50

All: 1709.405+/-0.144 χ^2/NDF : 729786.7/105

- sign 1713.282+/-0.202 χ^2/NDF : 401306.7/54

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 198.074 $\pm$ 818.321 χ^2 /NDF: 28.8/26

Left Out: 619.663 $\pm$ 1034.659 χ^2 /NDF:33.1/24

Right Out: -217.238 $\pm$ 749.335 χ^2 /NDF: 44.6/32

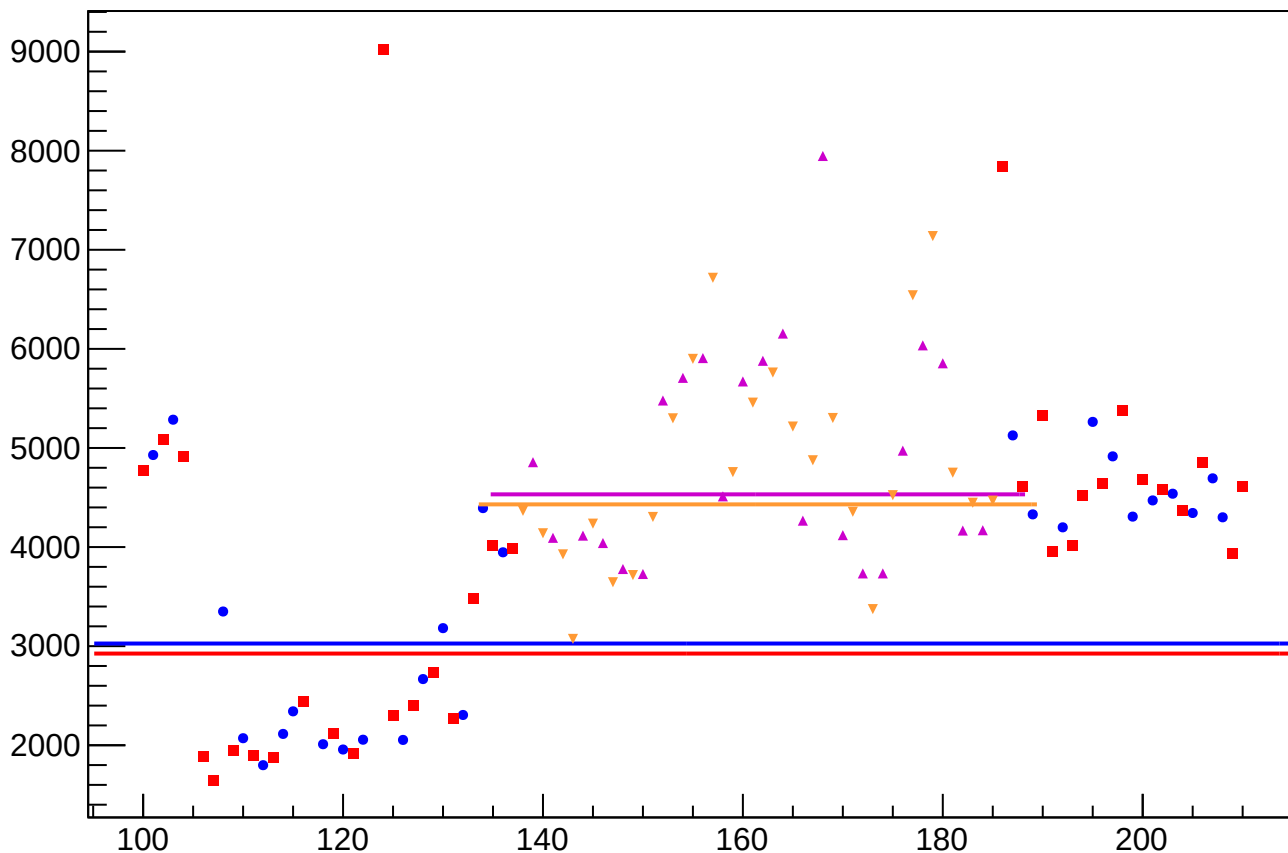
Left In: -85.511 $\pm$ 1082.509 χ^2 /NDF:12.9/22

+ sign 360.309 $\pm$ 641.838 χ^2 /NDF: 61.9/51

All: 81.942 $\pm$ 444.477 χ^2 /NDF: 119.8/107

- sign -174.566 $\pm$ 616.122 χ^2 /NDF: 57.5/55

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 3026.478+/-0.579 χ^2/NDF : 4155429.3/26

Left Out: 4430.803+/-0.732 χ^2/NDF :1613274.9/24

Right Out: 2925.228+/-0.530 χ^2/NDF : 5566343.2/32

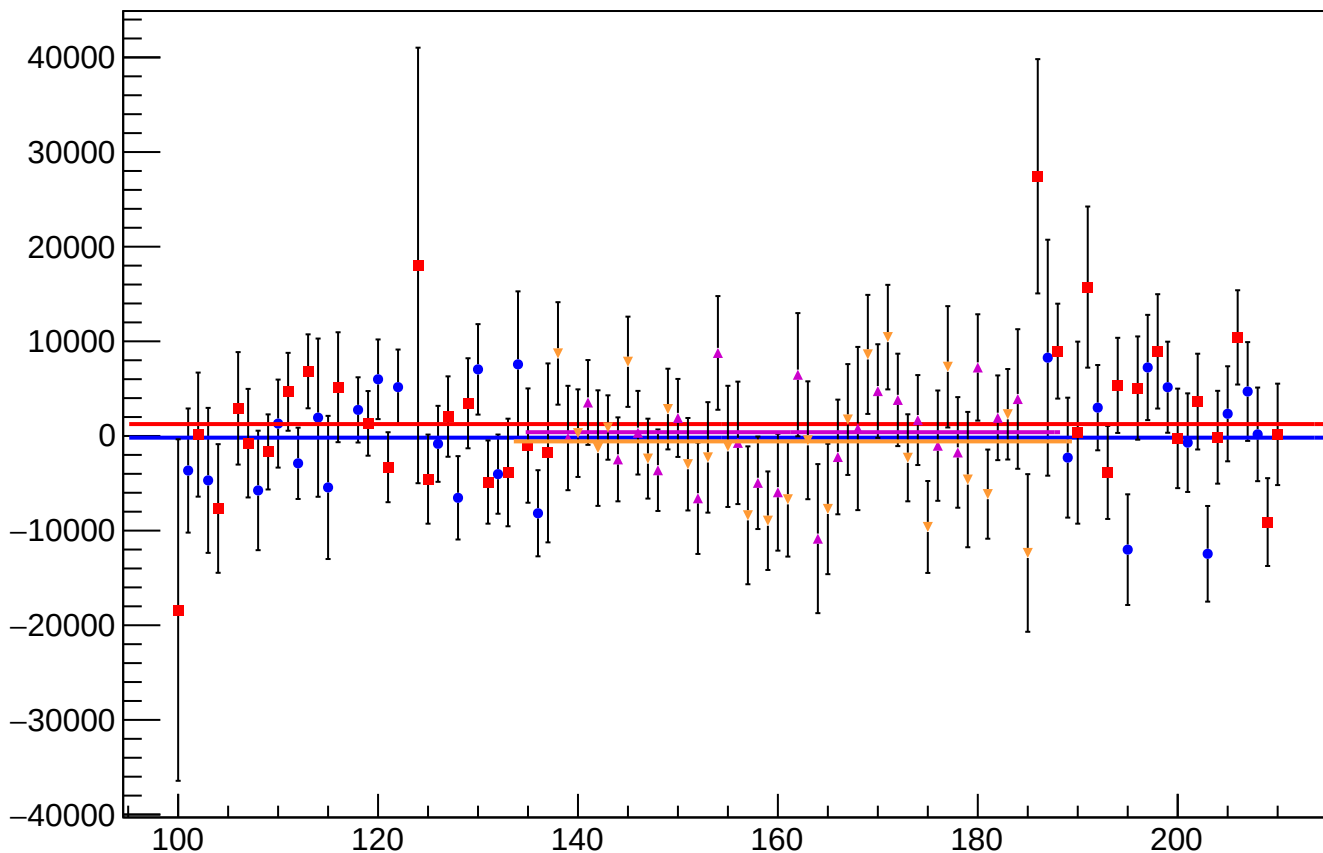
Left In: 4531.951+/-0.765 χ^2/NDF :1376473.4/22

+ sign 3566.888+/-0.454 χ^2/NDF : 8035298.7/51

All: 3503.827+/-0.314 χ^2/NDF : 17993941.0/101

- sign 3445.717+/-0.436 χ^2/NDF : 9921544.7/55

asym_atl_dd_mean vs Slug



Right In: -179.064 ± 963.964 χ^2/NDF : 31.8/26

Left Out: -573.122 ± 1054.836 χ^2/NDF : 28.8/24

Right Out: 1256.952 ± 911.937 χ^2/NDF : 36.0/32

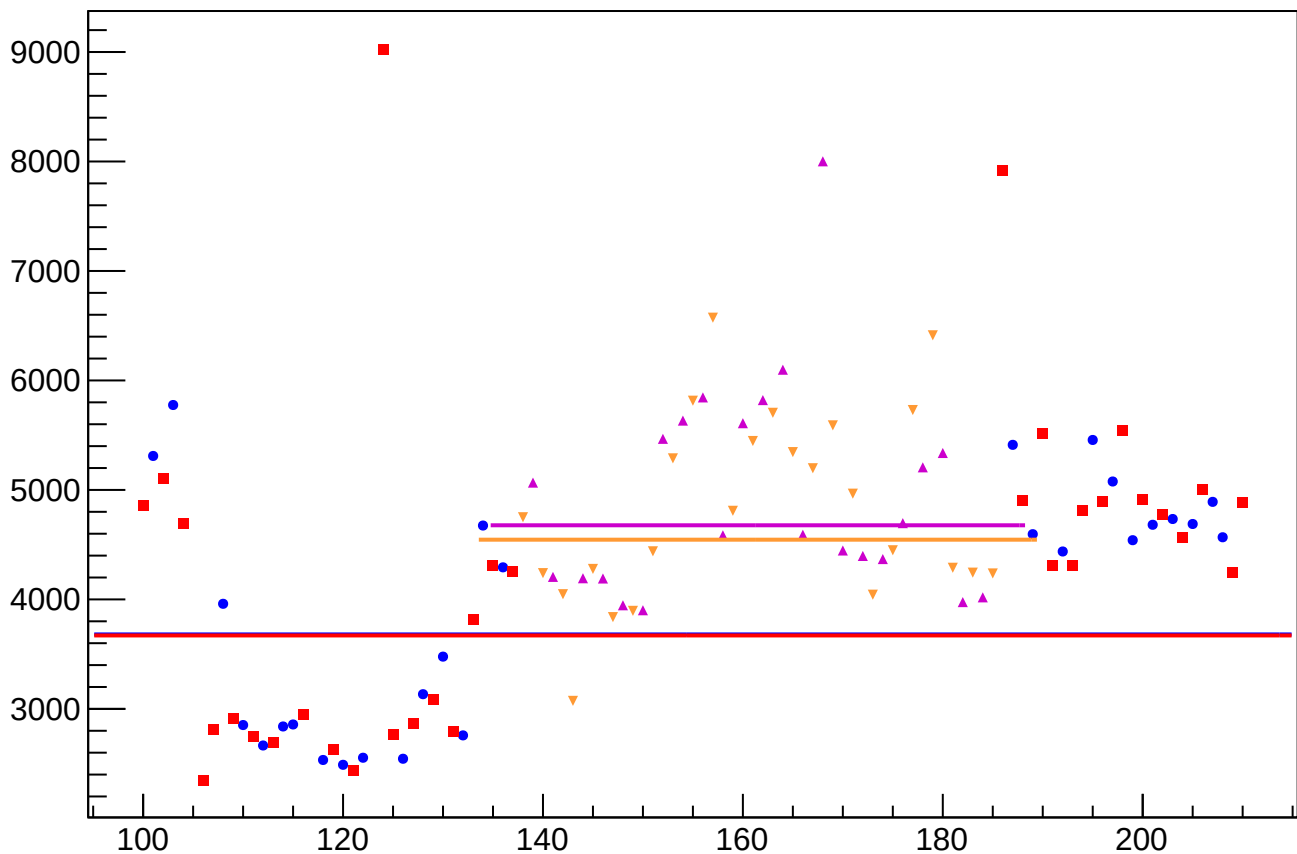
Left In: 398.404 ± 1109.490 χ^2/NDF : 14.0/22

+ sign -358.391 ± 711.587 χ^2/NDF : 60.6/51

All: 282.551 ± 500.643 χ^2/NDF : 112.7/107

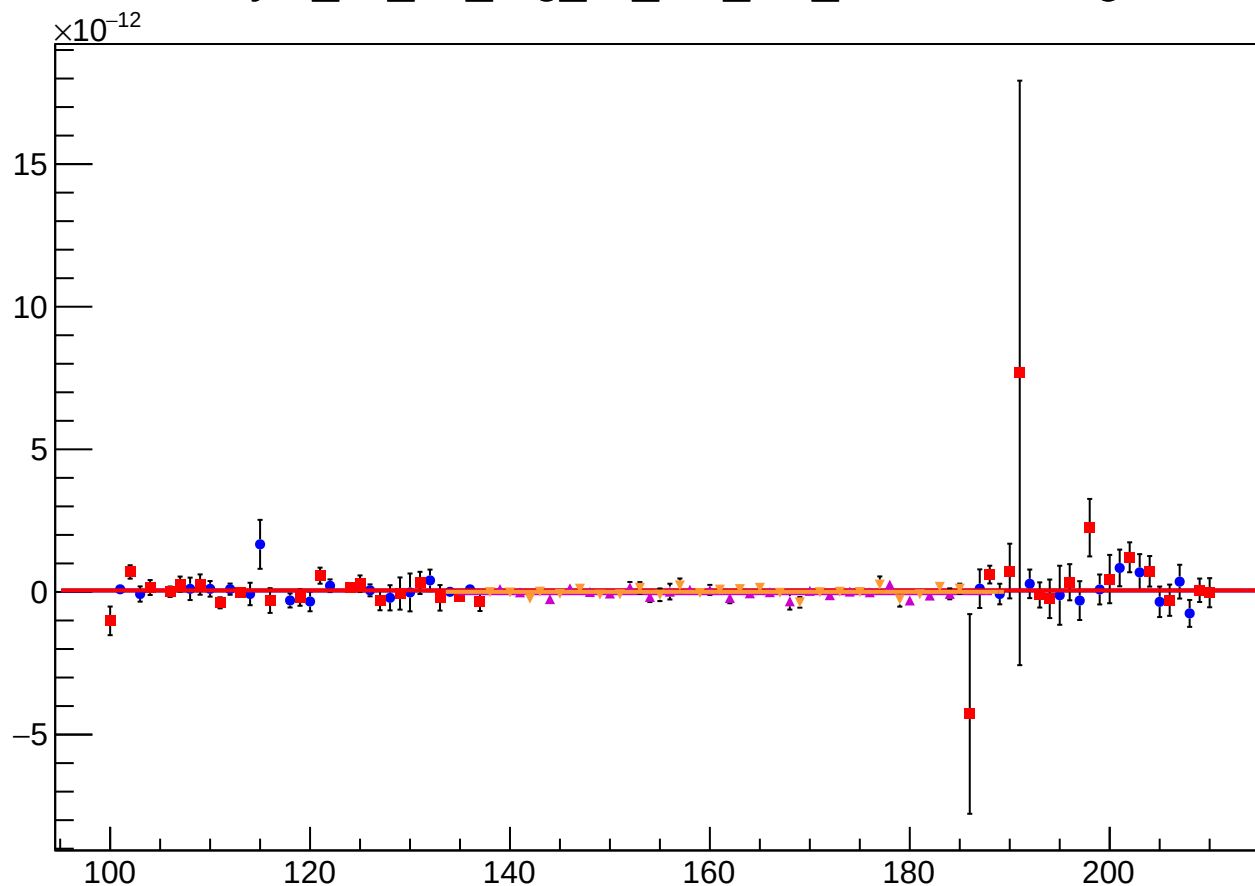
- sign 910.789 ± 704.500 χ^2/NDF : 50.4/55

asym_atl_dd_rms vs Slug



Right In: 3680.066 ± 0.682 χ^2/NDF : 2358392.3/26 + sign 4073.902 ± 0.503 χ^2/NDF : 4350514.5/51
 Left Out: 4545.493 ± 0.746 χ^2/NDF : 1258528.5/24 All: 4073.123 ± 0.353 χ^2/NDF : 9218867.6/10
 Right Out: 3670.764 ± 0.639 χ^2/NDF : 2919838.3/32 - sign 4072.367 ± 0.496 χ^2/NDF : 4868348.4/55
 Left In: 4677.049 ± 0.785 χ^2/NDF : 959885.7/22

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 16.2/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 18.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 48.7/32

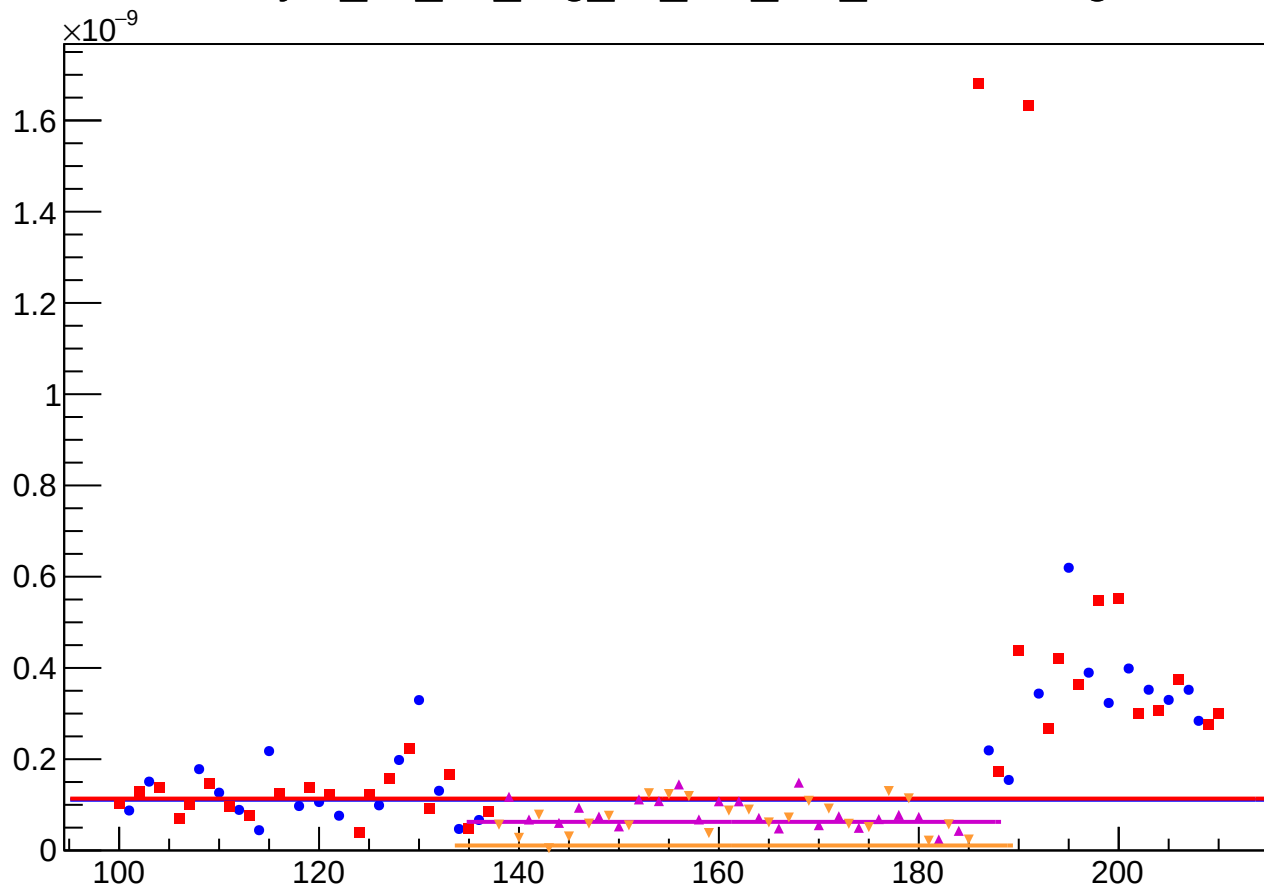
Left In: -0.000 ± 0.000 χ^2/NDF : 20.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 35.1/51

All: 0.000 ± 0.000 χ^2/NDF : 108.7/107

- sign -0.000 ± 0.000 χ^2/NDF : 72.2/55

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4523057.0/26

Left Out: 0.000+/-0.000 χ^2/NDF : 9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5595604.1/32

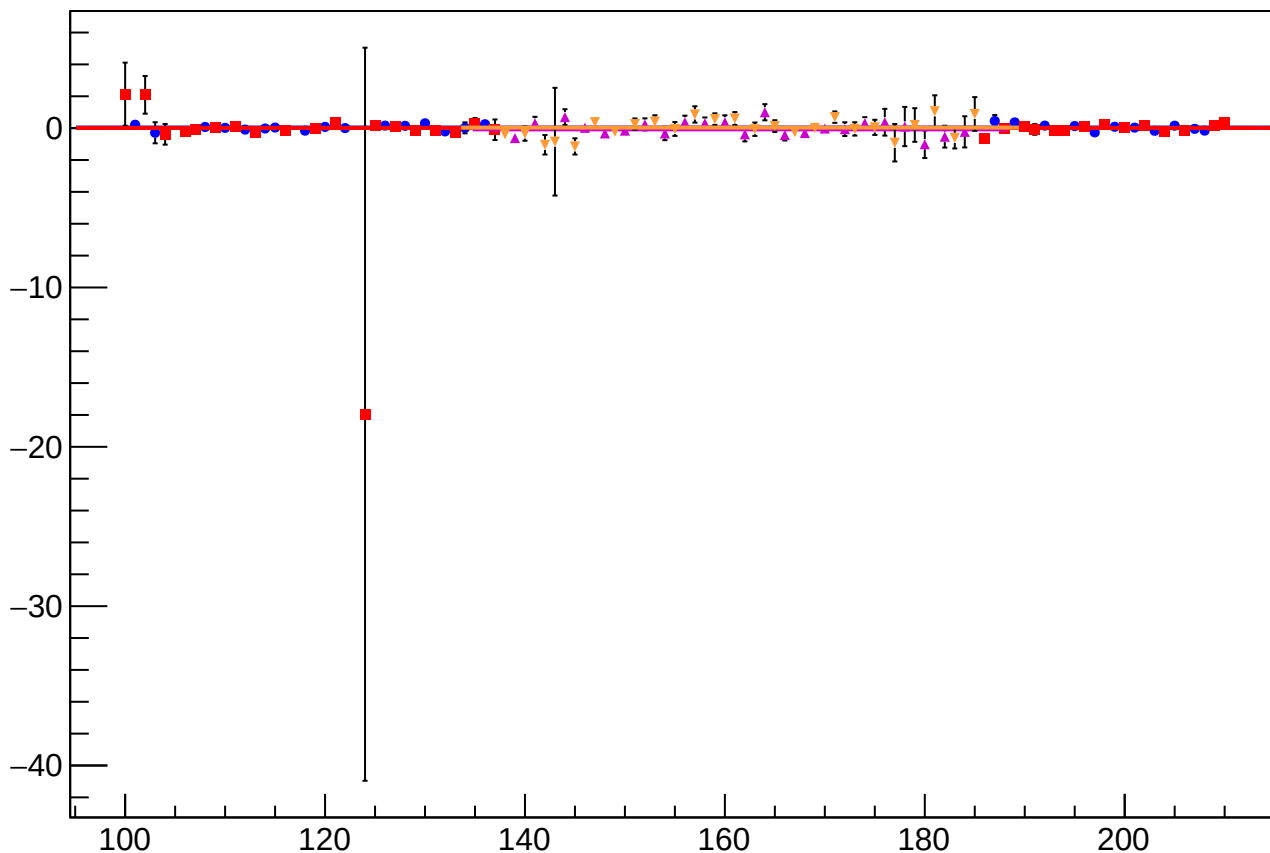
Left In: 0.000+/-0.000 χ^2/NDF : 2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 21090247.0/51

All: 0.000+/-0.000 χ^2/NDF : 41891315.1/107

- sign 0.000+/-0.000 χ^2/NDF : 9211115.1/55

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.038 ± 0.035 χ^2/NDF : 19.5/26

Left Out: 0.036 ± 0.077 χ^2/NDF : 29.7/24

Right Out: 0.012 ± 0.031 χ^2/NDF : 41.6/32

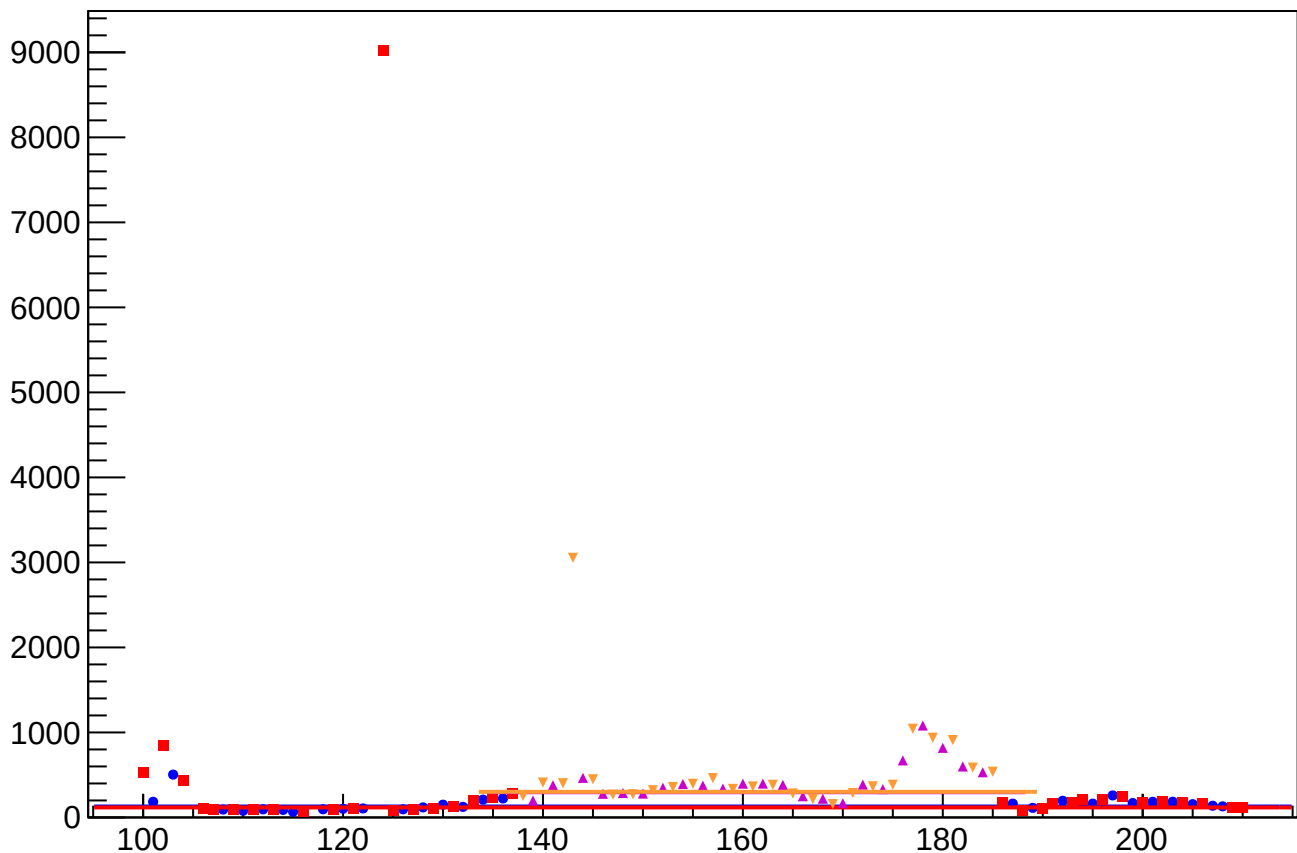
Left In: -0.078 ± 0.076 χ^2/NDF : 24.1/22

+ sign 0.037 ± 0.032 χ^2/NDF : 49.2/51

All: 0.016 ± 0.021 χ^2/NDF : 116.9/107

- sign -0.001 ± 0.029 χ^2/NDF : 66.9/55

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 128.697 $\pm$ 0.025 χ^2 /NDF: 3446869.4/26

Left Out: 301.735 $\pm$ 0.054 χ^2 /NDF: 6693517.2/24

Right Out: 117.665 $\pm$ 0.022 χ^2 /NDF: 5413587.8/32

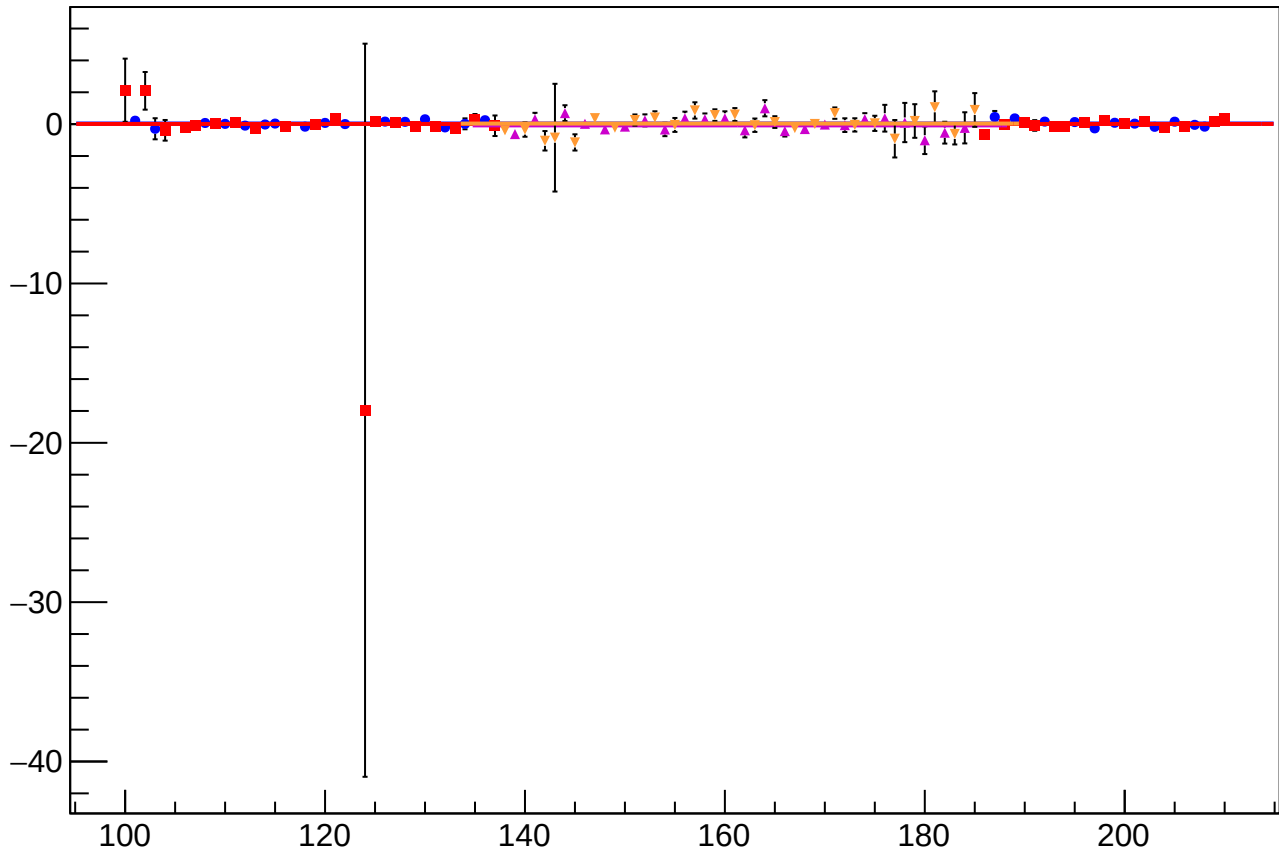
Left In: 296.875 $\pm$ 0.054 χ^2 /NDF: 4917907.0/22

+ sign 158.747 $\pm$ 0.023 χ^2 /NDF: 18501262.7/51

All: 150.384 $\pm$ 0.015 χ^2 /NDF: 38654509.6/10

- sign 143.623 $\pm$ 0.020 χ^2 /NDF: 19907129.3/55

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.038 ± 0.035 χ^2/NDF : 19.5/26

Left Out: 0.036 ± 0.077 χ^2/NDF : 29.7/24

Right Out: 0.012 ± 0.031 χ^2/NDF : 41.6/32

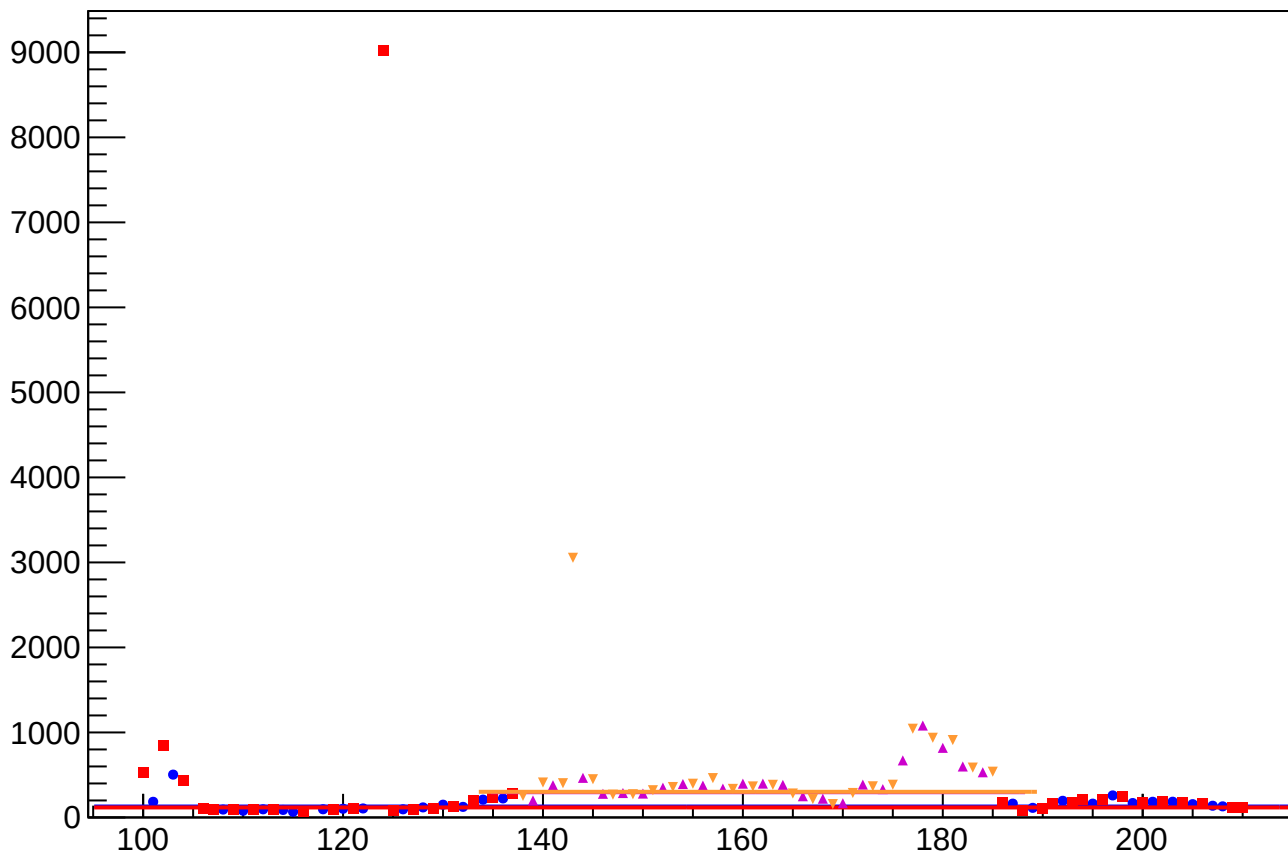
Left In: -0.078 ± 0.076 χ^2/NDF : 24.1/22

+ sign 0.037 ± 0.032 χ^2/NDF : 49.2/51

All: 0.016 ± 0.021 χ^2/NDF : 116.9/107

- sign -0.001 ± 0.029 χ^2/NDF : 66.9/55

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.697 $\pm$ 0.025 χ^2 /NDF: 3446869.4/26

Left Out: 301.735 $\pm$ 0.054 χ^2 /NDF: 6693517.2/24

Right Out: 117.665 $\pm$ 0.022 χ^2 /NDF: 5413587.8/32

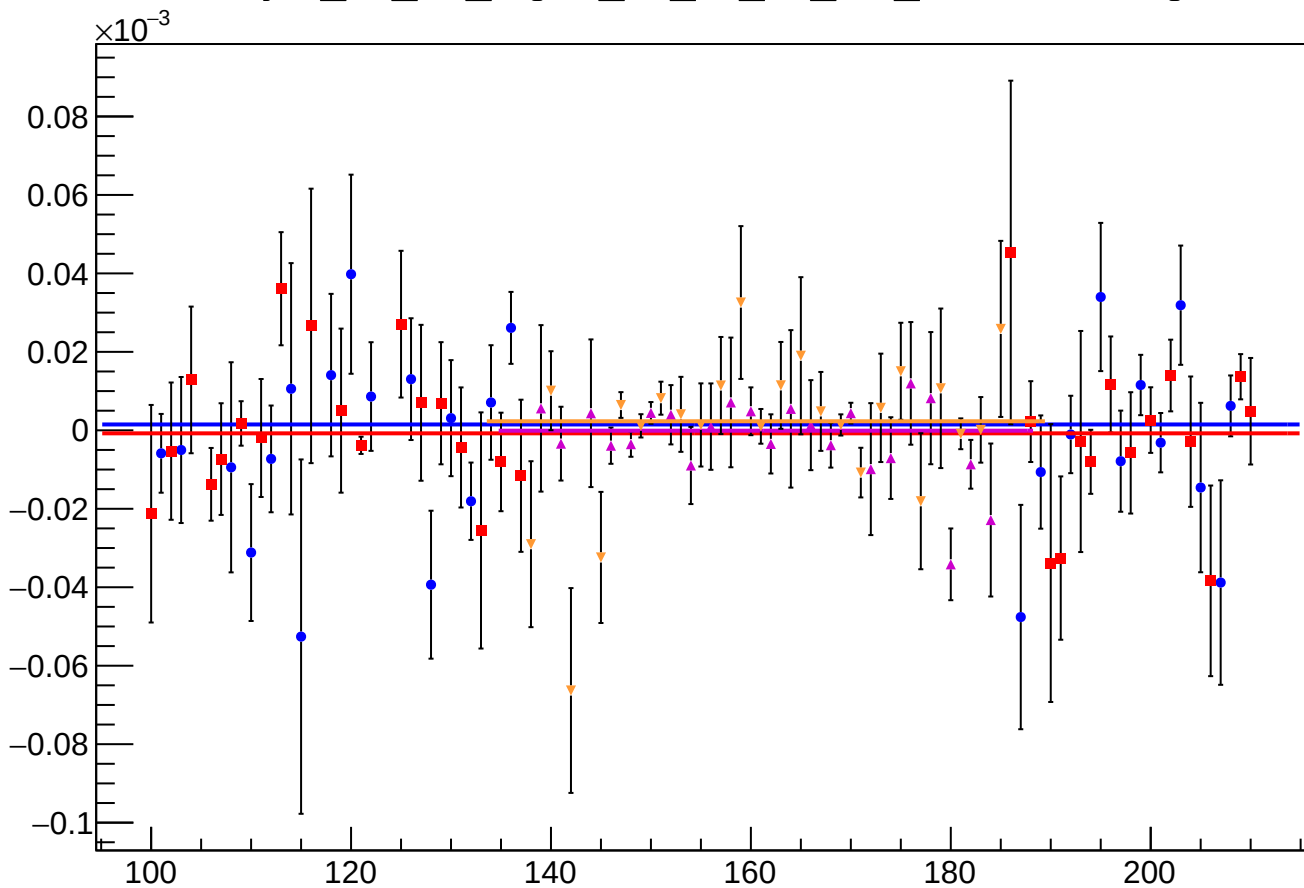
Left In: 296.875 $\pm$ 0.054 χ^2 /NDF: 4917907.0/22

+ sign 158.747 $\pm$ 0.023 χ^2 /NDF: 18501262.7/51

All: 150.384 $\pm$ 0.015 χ^2 /NDF: 38654509.6/10

- sign 143.623 $\pm$ 0.020 χ^2 /NDF: 19907129.3/55

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.3/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.2/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.6/31

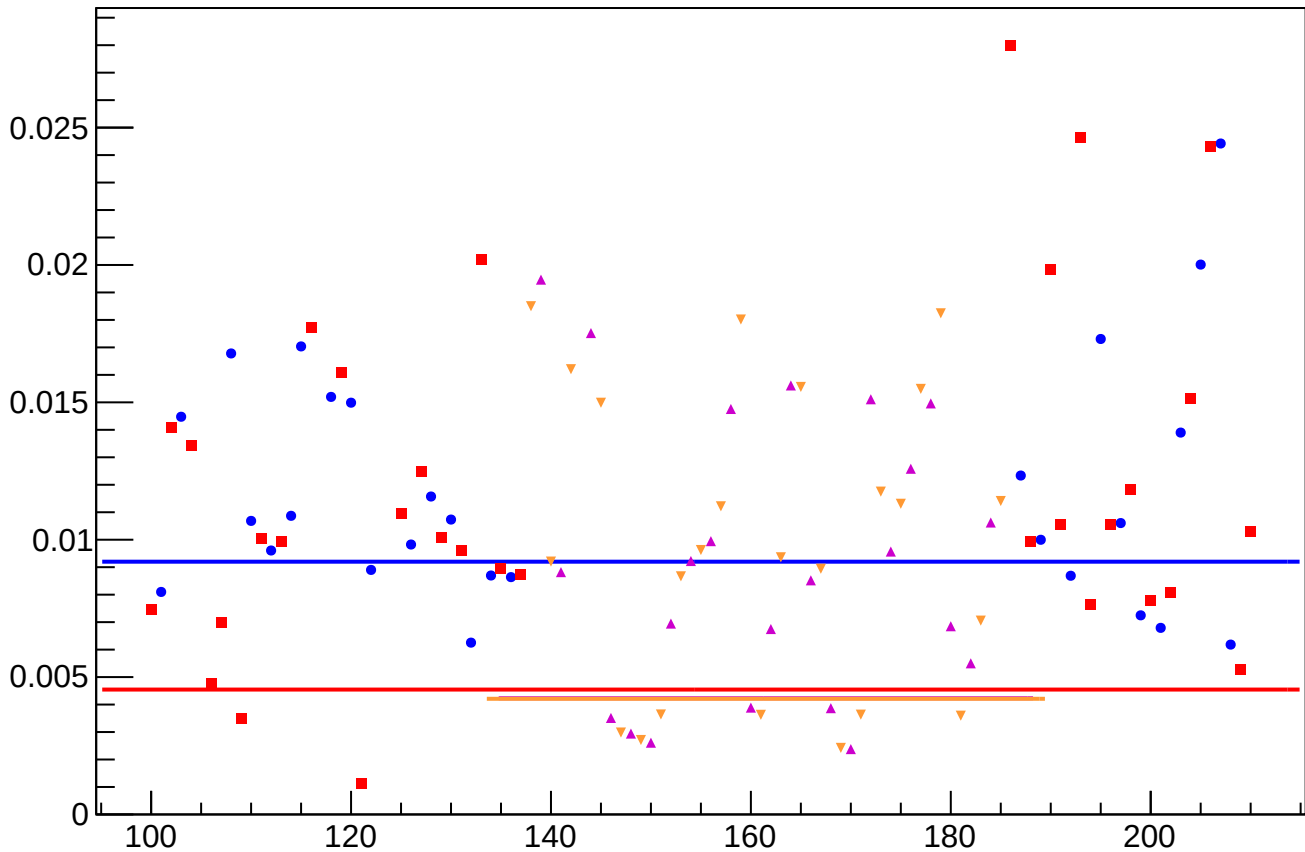
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 29.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 73.6/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 140.2/105

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 63.8/54

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 3381264.2/26

Left Out: 0.004+/-0.000 χ^2/NDF :12078055.5/23

Right Out: 0.005+/-0.000 χ^2/NDF : 16461190.7/31

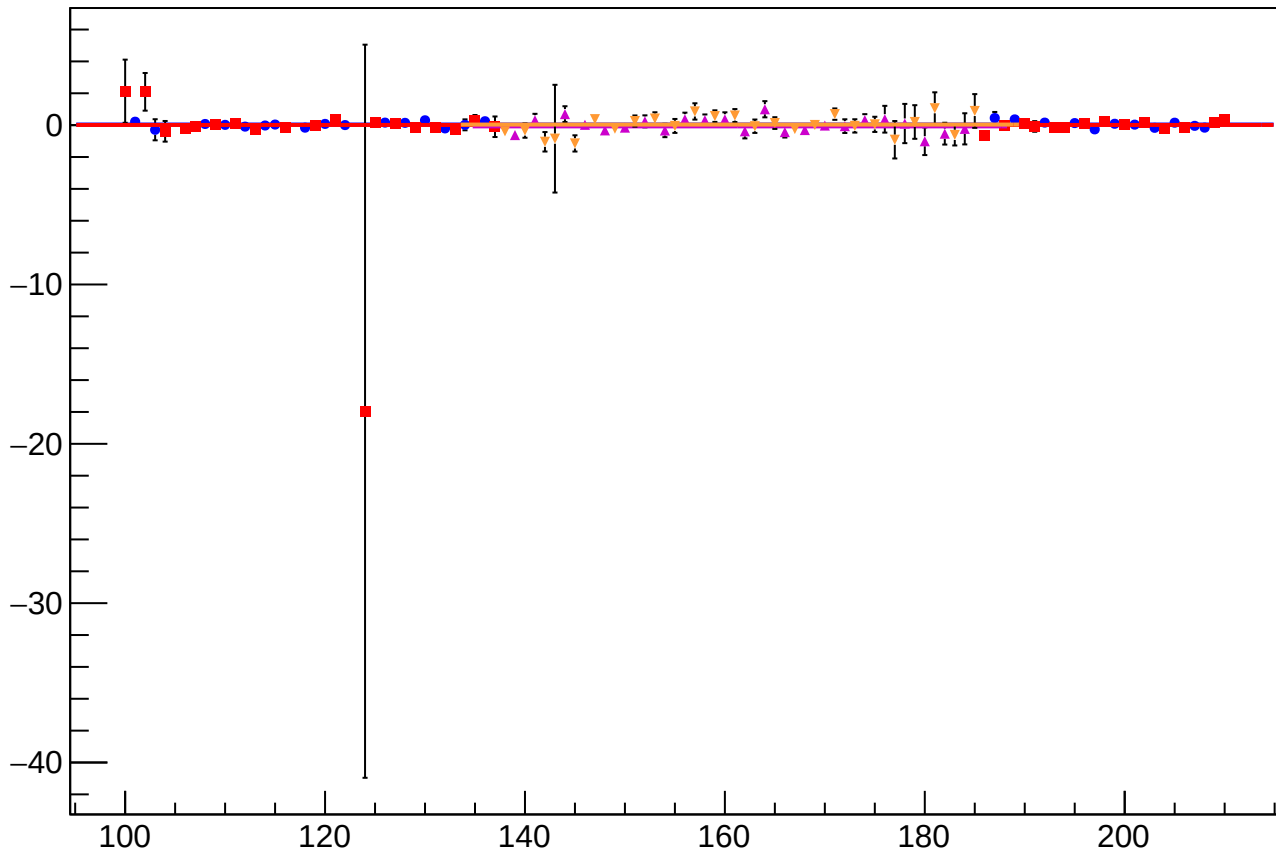
Left In: 0.004+/-0.000 χ^2/NDF :11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 21707348.5/50

All: 0.005+/-0.000 χ^2/NDF : 49871655.4/105

- sign 0.004+/-0.000 χ^2/NDF : 27544641.2/54

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.038 ± 0.035 χ^2/NDF : 19.5/26

Left Out: 0.036 ± 0.077 χ^2/NDF : 29.7/24

Right Out: 0.012 ± 0.031 χ^2/NDF : 41.6/32

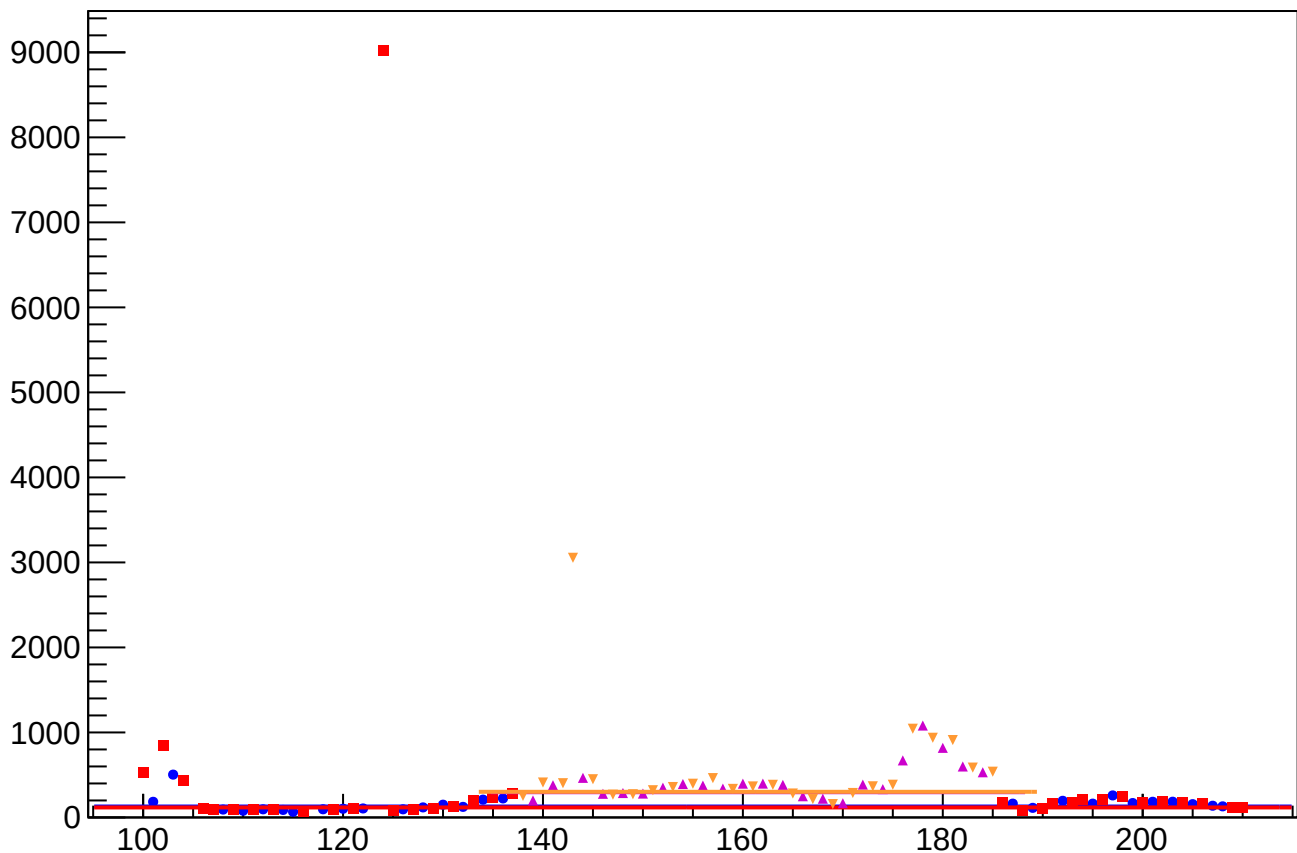
Left In: -0.078 ± 0.076 χ^2/NDF : 24.1/22

+ sign 0.037 ± 0.032 χ^2/NDF : 49.2/51

All: 0.016 ± 0.021 χ^2/NDF : 116.9/107

- sign -0.001 ± 0.029 χ^2/NDF : 66.9/55

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.697 $\pm$ 0.025 χ^2 /NDF: 3446845.8/26

Left Out: 301.737 $\pm$ 0.054 χ^2 /NDF: 6693577.7/24

Right Out: 117.666 $\pm$ 0.022 χ^2 /NDF: 5413510.1/32

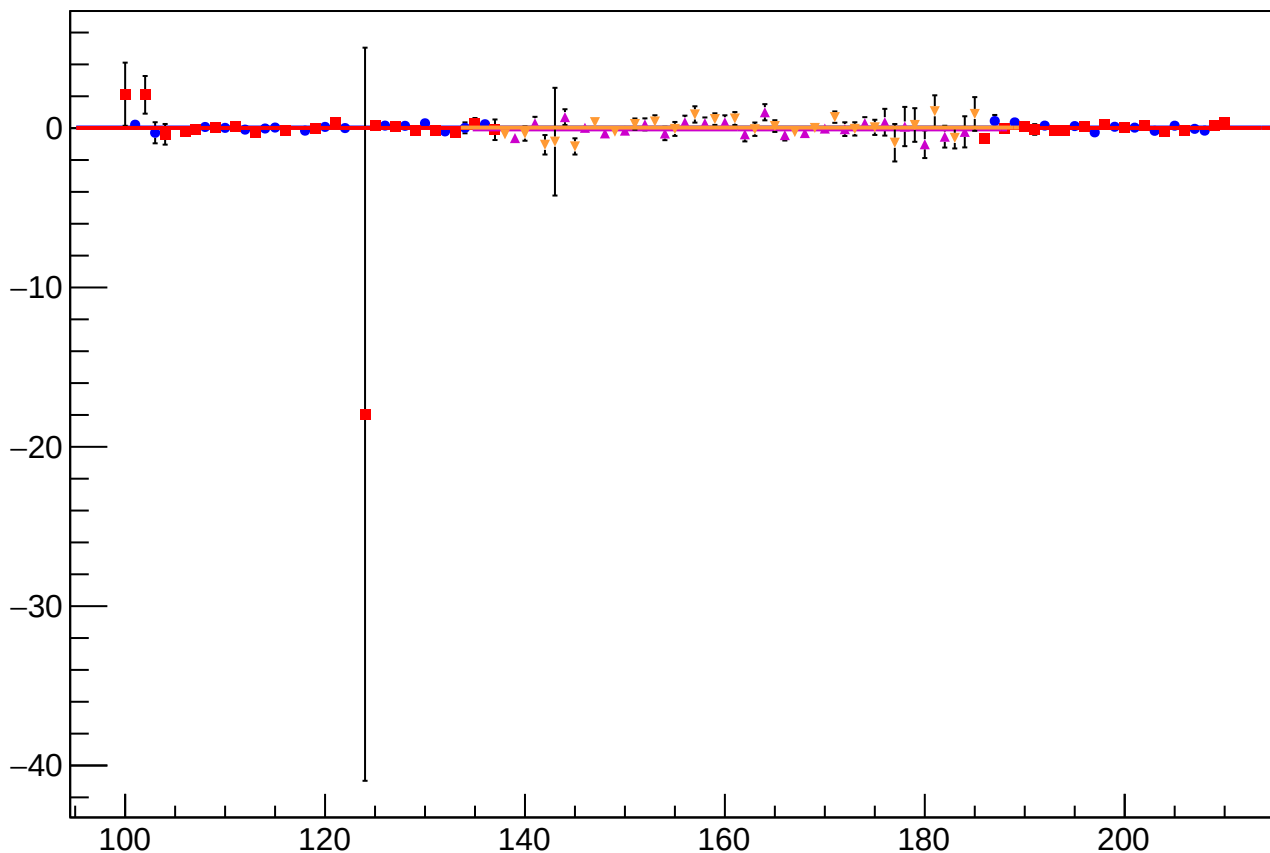
Left In: 296.878 $\pm$ 0.054 χ^2 /NDF: 4917864.1/22

+ sign 158.748 $\pm$ 0.023 χ^2 /NDF: 18501299.1/51

All: 150.384 $\pm$ 0.015 χ^2 /NDF: 38654505.3/10

- sign 143.624 $\pm$ 0.020 χ^2 /NDF: 19907094.9/55

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.038 ± 0.035 χ^2/NDF : 19.5/26

Left Out: 0.036 ± 0.077 χ^2/NDF : 29.7/24

Right Out: 0.012 ± 0.031 χ^2/NDF : 41.6/32

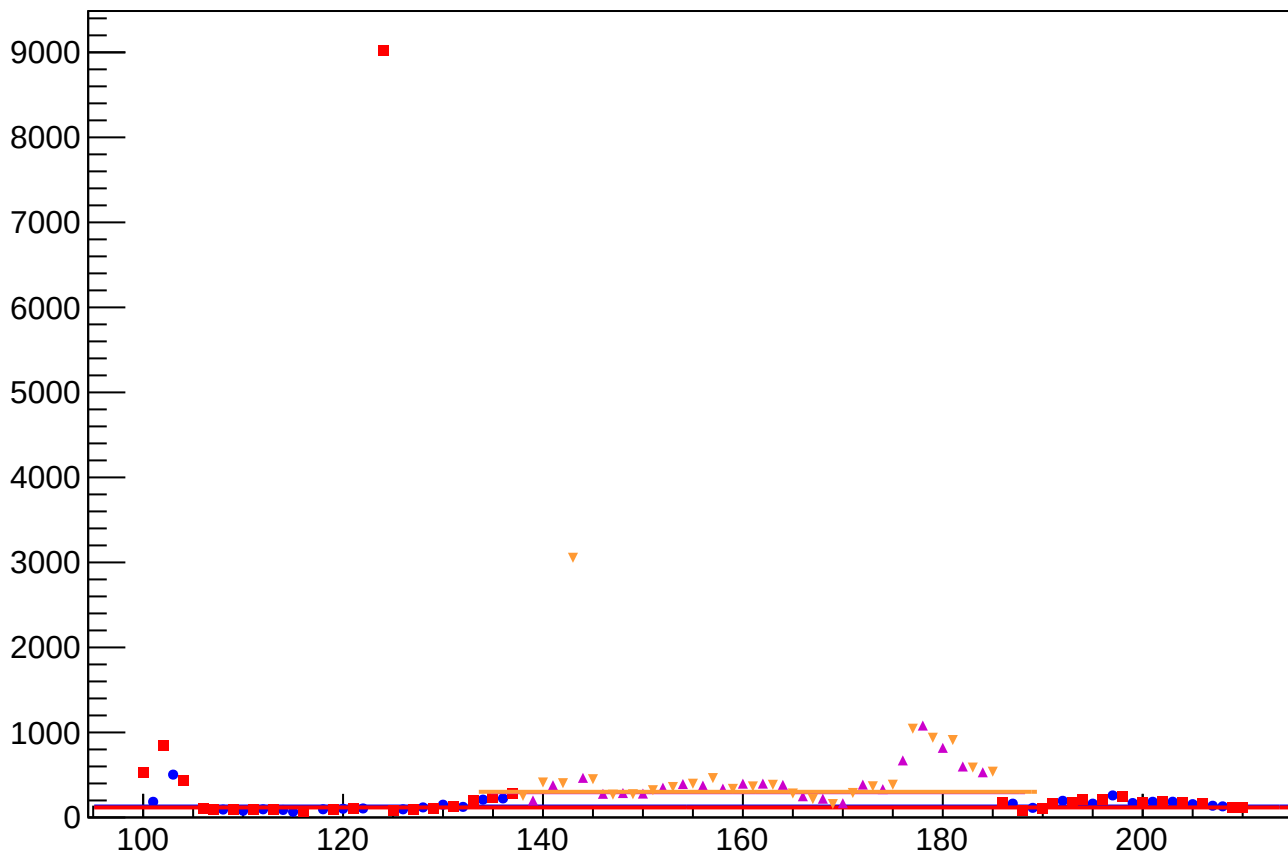
Left In: -0.078 ± 0.076 χ^2/NDF : 24.1/22

+ sign 0.037 ± 0.032 χ^2/NDF : 49.2/51

All: 0.016 ± 0.021 χ^2/NDF : 116.9/107

- sign -0.001 ± 0.029 χ^2/NDF : 66.9/55

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.697 $\pm$ 0.025 χ^2/NDF : 3446845.8/26

Left Out: 301.737 $\pm$ 0.054 χ^2/NDF : 6693577.7/24

Right Out: 117.666 $\pm$ 0.022 χ^2/NDF : 5413510.1/32

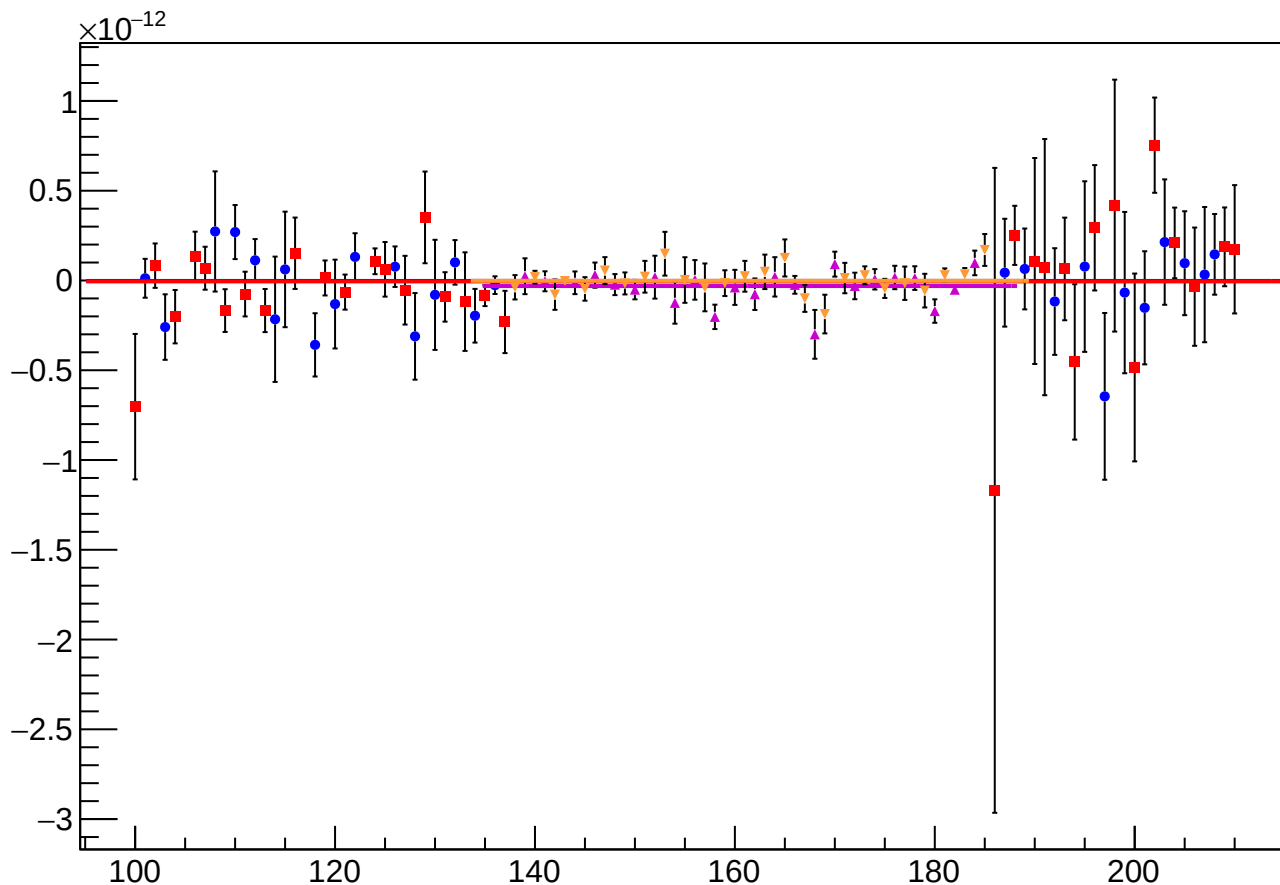
Left In: 296.878 $\pm$ 0.054 χ^2/NDF : 4917864.1/22

+ sign 158.748 $\pm$ 0.023 χ^2/NDF : 18501299.1/51

All: 150.384 $\pm$ 0.015 χ^2/NDF : 38654505.3/10

- sign 143.624 $\pm$ 0.020 χ^2/NDF : 19907094.9/55

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF : 17.7/24

Right Out: -0.000+/-0.000 χ^2/NDF : 36.7/32

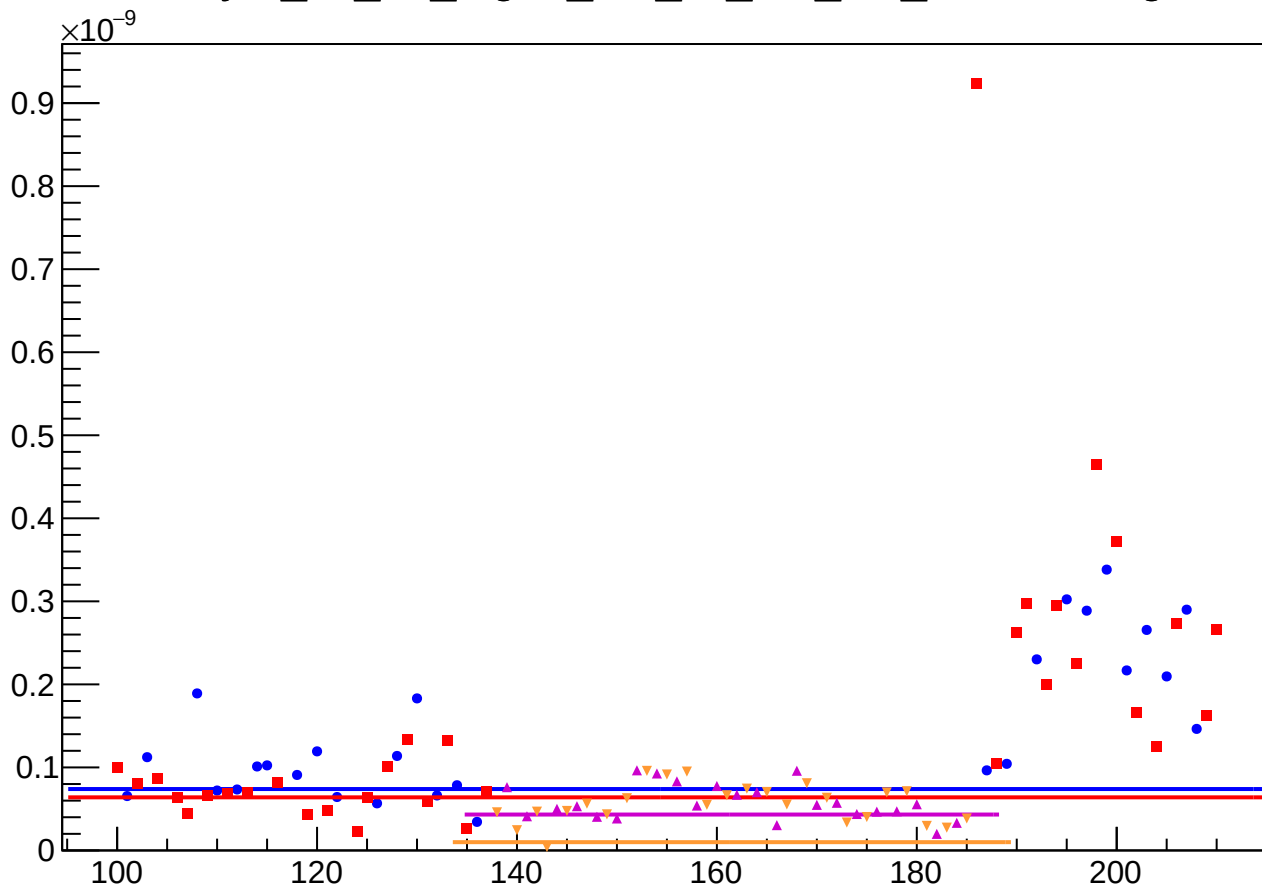
Left In: -0.000+/-0.000 χ^2/NDF : 26.4/22

+ sign -0.000+/-0.000 χ^2/NDF : 38.6/51

All: -0.000+/-0.000 χ^2/NDF : 105.9/107

- sign -0.000+/-0.000 χ^2/NDF : 63.9/55

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6614945.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :18523402.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 8304602.9/32

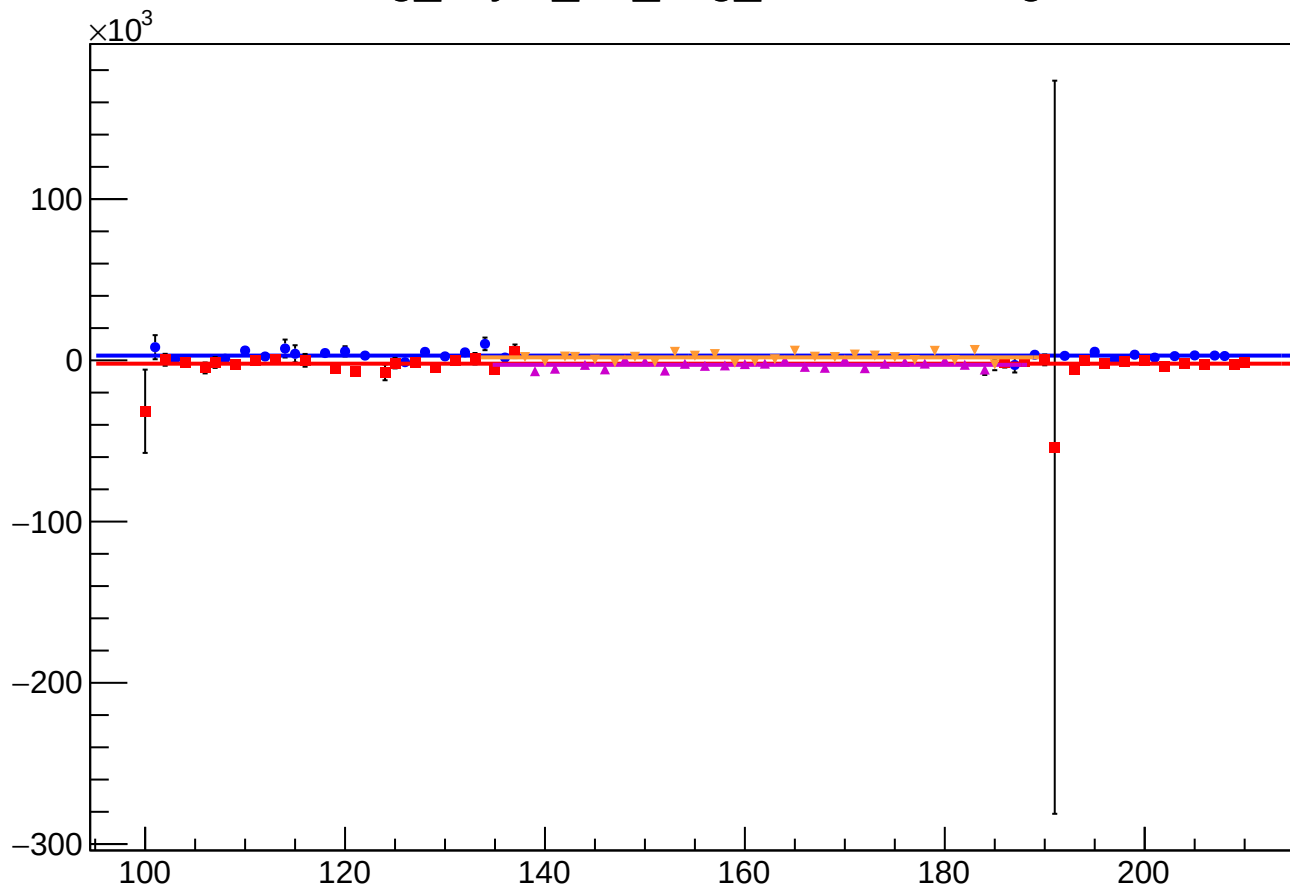
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :4049081.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 33924792.6/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 62797433.4/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 13373351.8/55

reg_asym_atr_avg_mean vs Slug



Right In: 2944.565 $\pm$ 492.659 χ^2 /NDF: 16.3/26

Left Out: 1851.999 $\pm$ 420.006 χ^2 /NDF: 31.5/24

Right Out: -2067.242 $\pm$ 465.084 χ^2 /NDF: 22.7/32

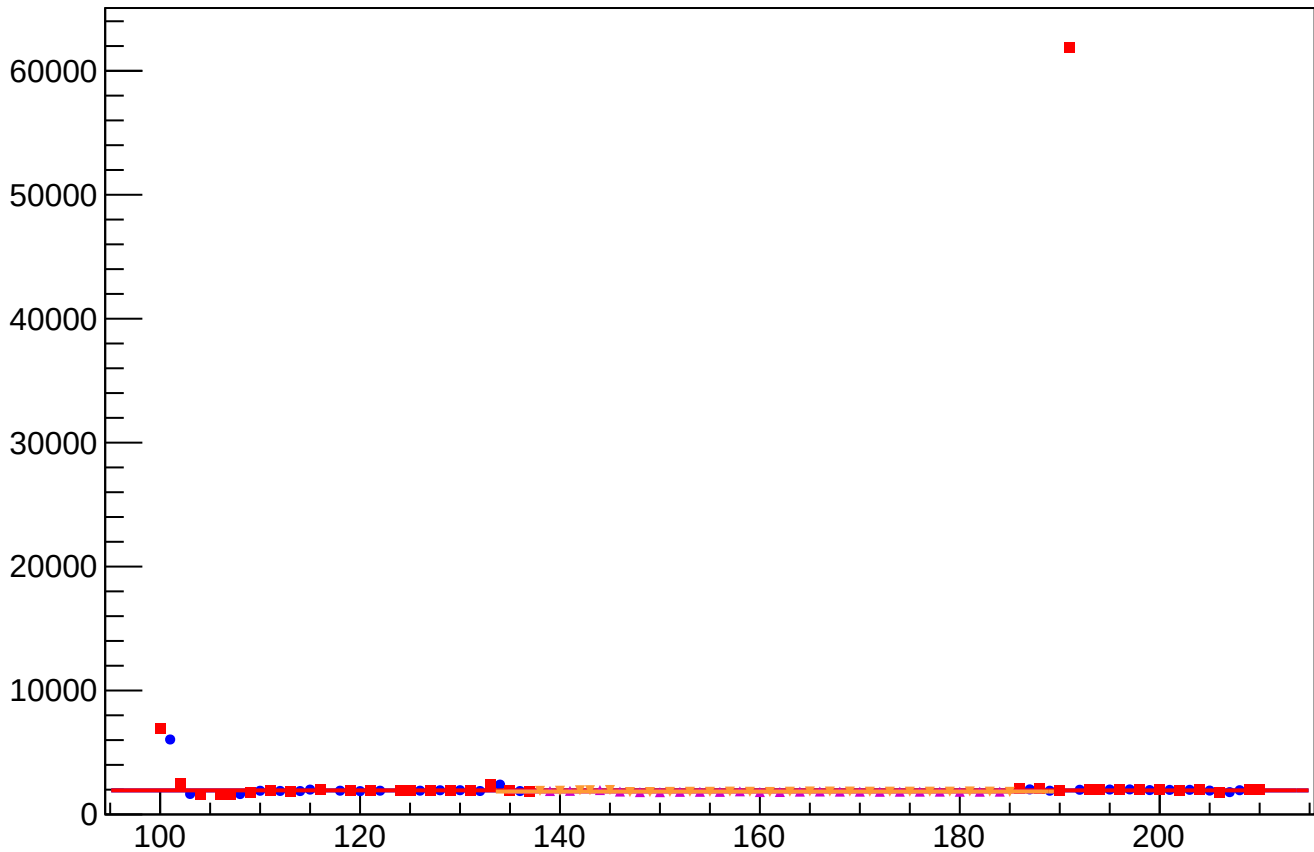
Left In: -2775.769 $\pm$ 430.870 χ^2 /NDF: 25.4/22

+ sign 2311.856 $\pm$ 319.620 χ^2 /NDF: 50.7/51

All: -94.878 $\pm$ 224.742 χ^2 /NDF: 212.2/107

- sign -2448.523 $\pm$ 316.075 χ^2 /NDF: 49.4/55

reg_asym_atr_avg_rms vs Slug



Right In: 1938.568+/-0.348 χ^2/NDF : 718151.3/26

Left Out: 1848.522+/-0.297 χ^2/NDF : 20886.6/24

Right Out: 1944.164+/-0.328 χ^2/NDF : 422045.5/32

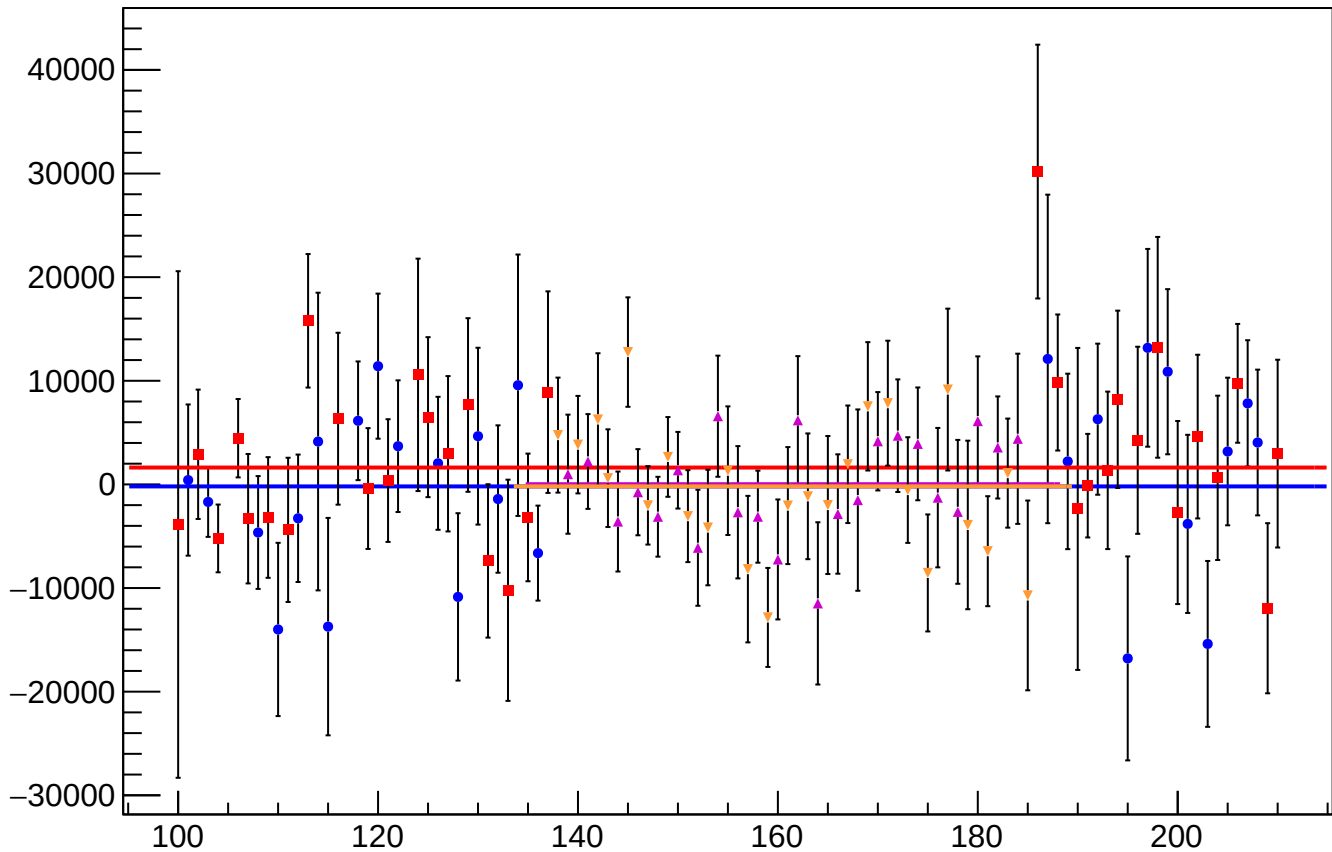
Left In: 1845.061+/-0.305 χ^2/NDF : 14026.0/22

+ sign 1886.422+/-0.226 χ^2/NDF : 777729.9/51

All: 1888.691+/-0.159 χ^2/NDF : 1262948.2/10

- sign 1890.907+/-0.223 χ^2/NDF : 485019.0/55

asym_atr_avg_reg_correction_mean vs Slug



Right In: -193.207 ± 1327.250 χ^2/NDF : 29.1/26

Left Out: -189.458 ± 1088.618 χ^2/NDF : 28.9/24

Right Out: 1627.385 ± 1184.868 χ^2/NDF : 32.1/32

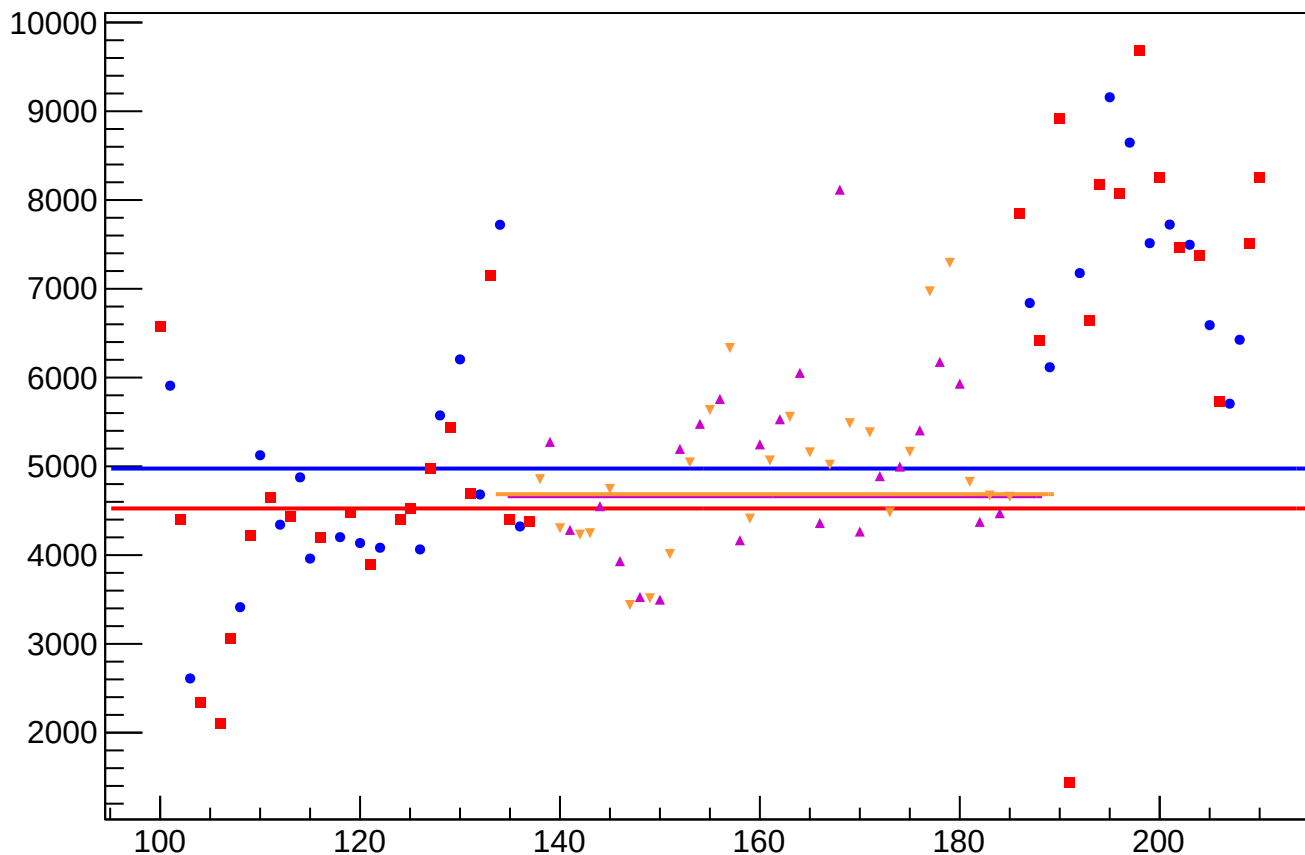
Left In: 19.391 ± 1112.574 χ^2/NDF : 13.7/22

+ sign -190.966 ± 841.708 χ^2/NDF : 58.0/51

All: 308.801 ± 584.042 χ^2/NDF : 105.5/107

- sign 772.839 ± 811.063 χ^2/NDF : 46.8/55

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4975.028 $\pm$ 0.939 χ^2 /NDF: 3283167.3/26

Left Out: 4686.353 $\pm$ 0.770 χ^2 /NDF:1185063.7/24

Right Out: 4525.537 $\pm$ 0.838 χ^2 /NDF: 6144205.8/32

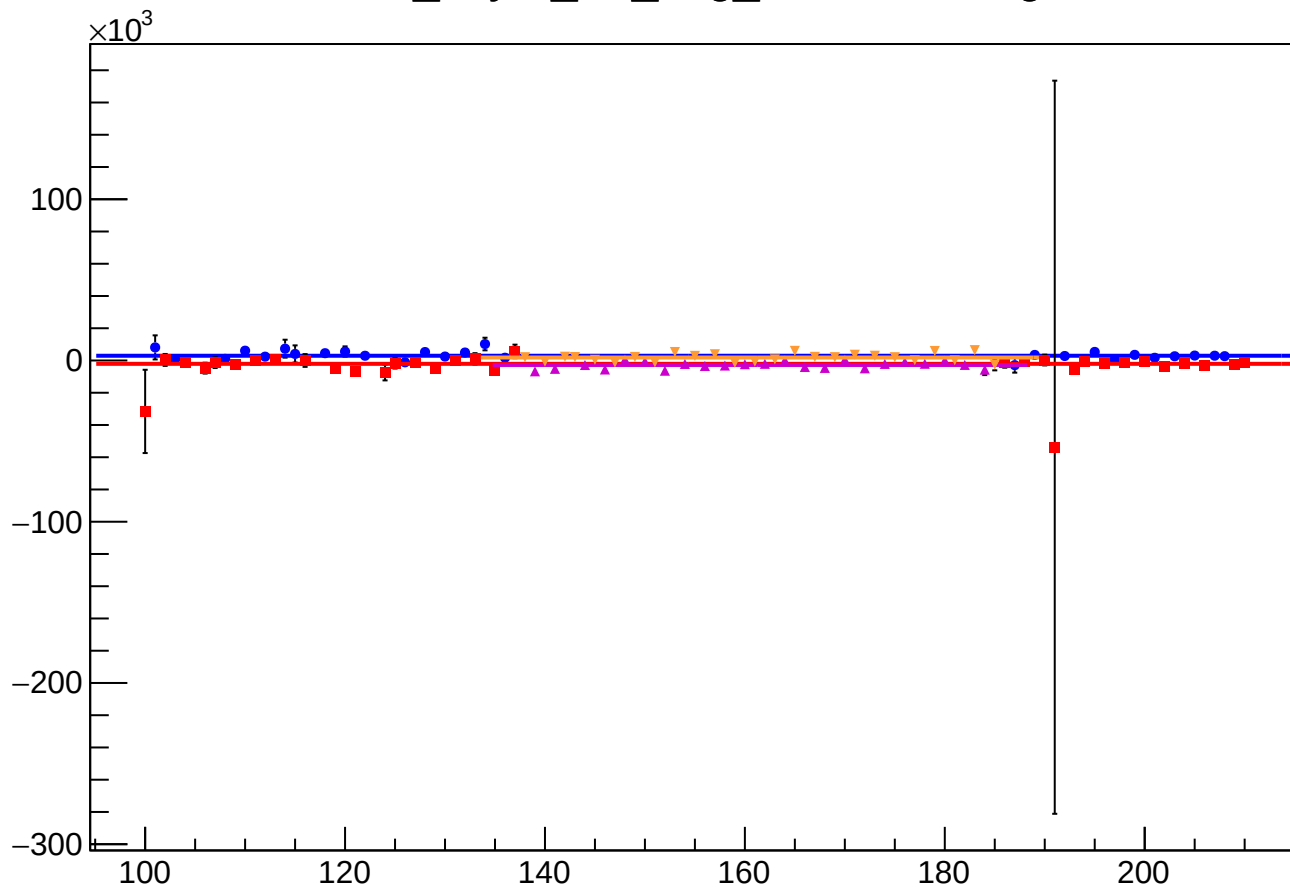
Left In: 4663.272 $\pm$ 0.787 χ^2 /NDF:1286726.4/22

+ sign 4802.452 $\pm$ 0.595 χ^2 /NDF: 4524791.5/51

All: 4696.817 $\pm$ 0.413 χ^2 /NDF: 12030835.4/100

- sign 4598.734 $\pm$ 0.574 χ^2 /NDF: 7445294.5/55

cor_asym_atr_avg_mean vs Slug



Right In: 2944.314 ± 492.659 χ^2/NDF : 16.3/26

Left Out: 1851.888 ± 420.006 χ^2/NDF : 31.5/24

Right Out: -2067.740 ± 465.085 χ^2/NDF : 22.7/32

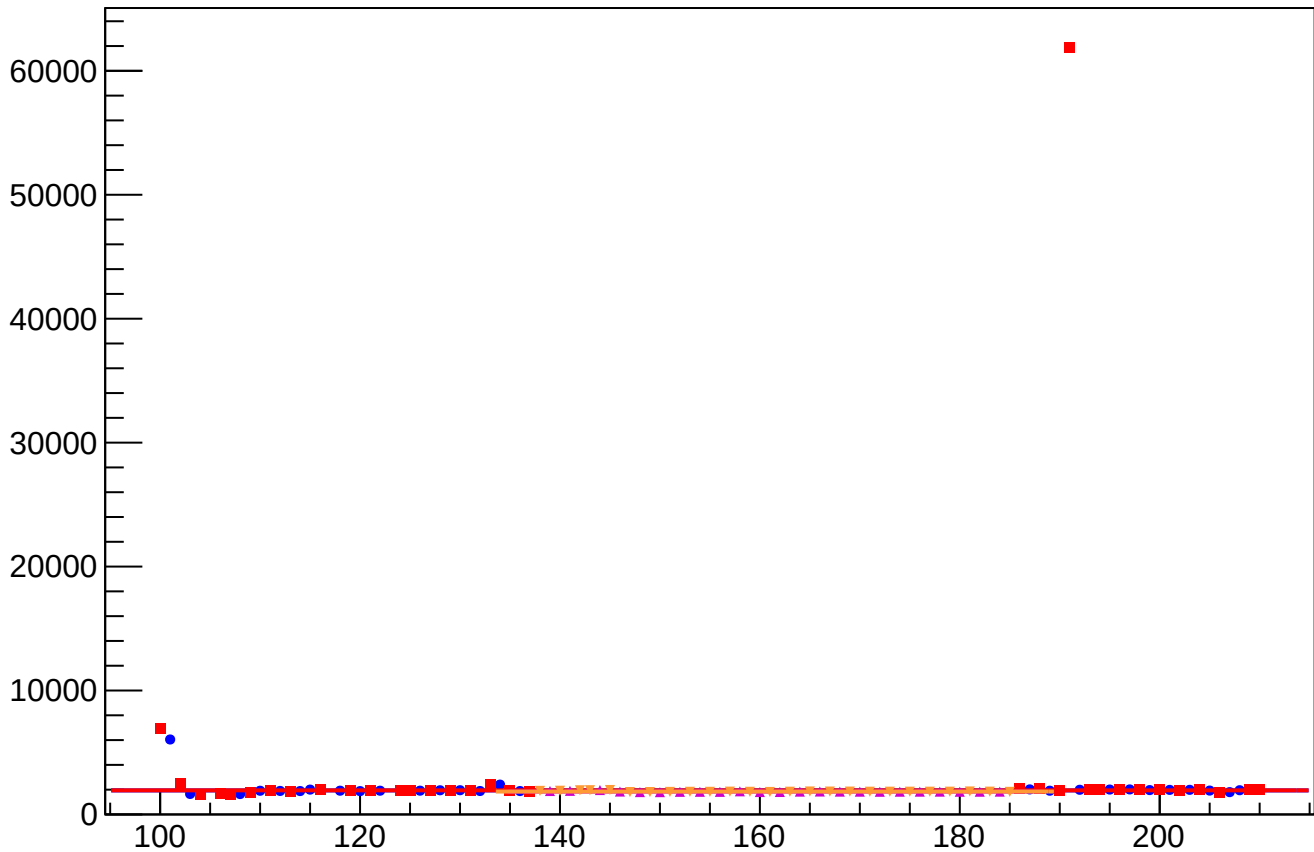
Left In: -2775.745 ± 430.870 χ^2/NDF : 25.4/22

+ sign 2311.686 ± 319.620 χ^2/NDF : 50.7/51

All: -95.070 ± 224.742 χ^2/NDF : 212.2/107

- sign -2448.741 ± 316.076 χ^2/NDF : 49.4/55

cor_asym_atr_avg_rms vs Slug



Right In: 1938.568+/-0.348 χ^2/NDF : 718150.4/26

Left Out: 1848.522+/-0.297 χ^2/NDF : 20886.6/24

Right Out: 1945.960+/-0.329 χ^2/NDF : 413872.7/32

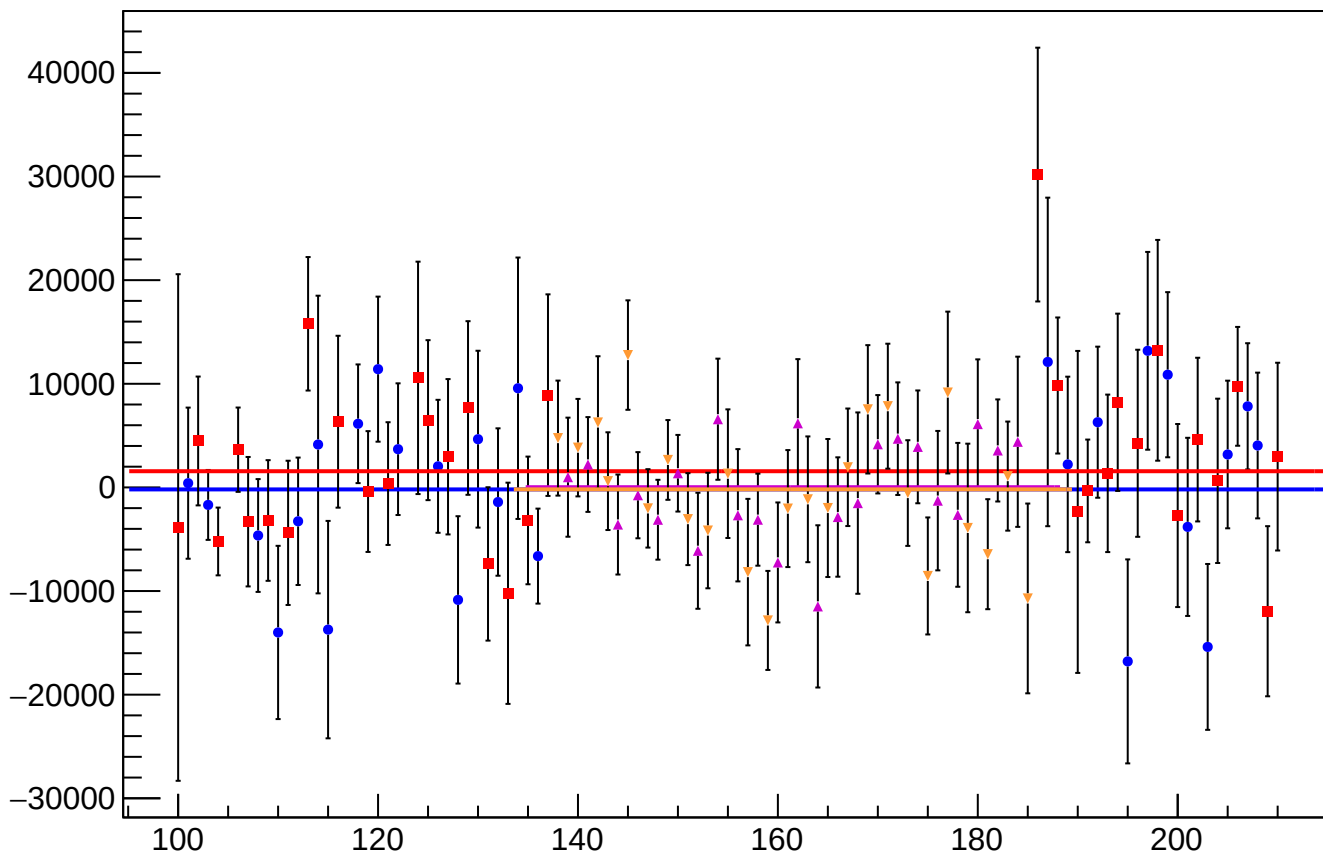
Left In: 1845.061+/-0.305 χ^2/NDF : 14026.0/22

+ sign 1886.422+/-0.226 χ^2/NDF : 777729.2/51

All: 1889.090+/-0.159 χ^2/NDF : 1256596.2/10

- sign 1891.697+/-0.223 χ^2/NDF : 478591.5/55

asym_atr_avg_cor_correction_mean vs Slug



Right In: -193.406 ± 1327.251 χ^2/NDF : 29.0/26

Left Out: -189.487 ± 1088.617 χ^2/NDF : 28.9/24

Right Out: 1562.431 ± 1192.144 χ^2/NDF : 32.0/32

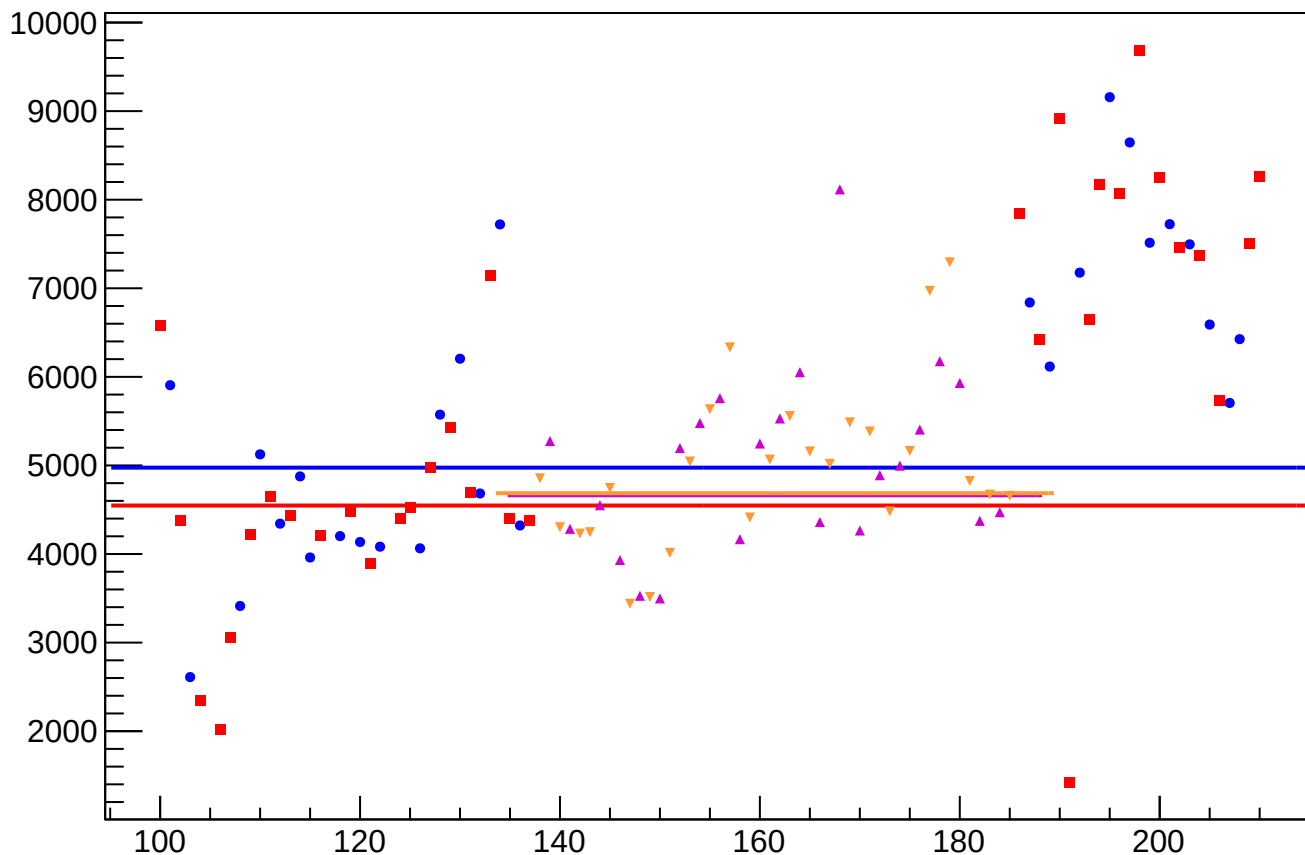
Left In: 19.431 ± 1112.574 χ^2/NDF : 13.7/22

+ sign -191.063 ± 841.708 χ^2/NDF : 58.0/51

All: 289.219 ± 584.907 χ^2/NDF : 105.2/107

- sign 737.722 ± 813.385 χ^2/NDF : 46.6/55

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4975.095 $\pm$ 0.939 χ^2 /NDF: 3282539.9/26

Left Out: 4686.346 $\pm$ 0.770 χ^2 /NDF:1185089.0/24

Right Out: 4547.416 $\pm$ 0.843 χ^2 /NDF: 6096594.1/32

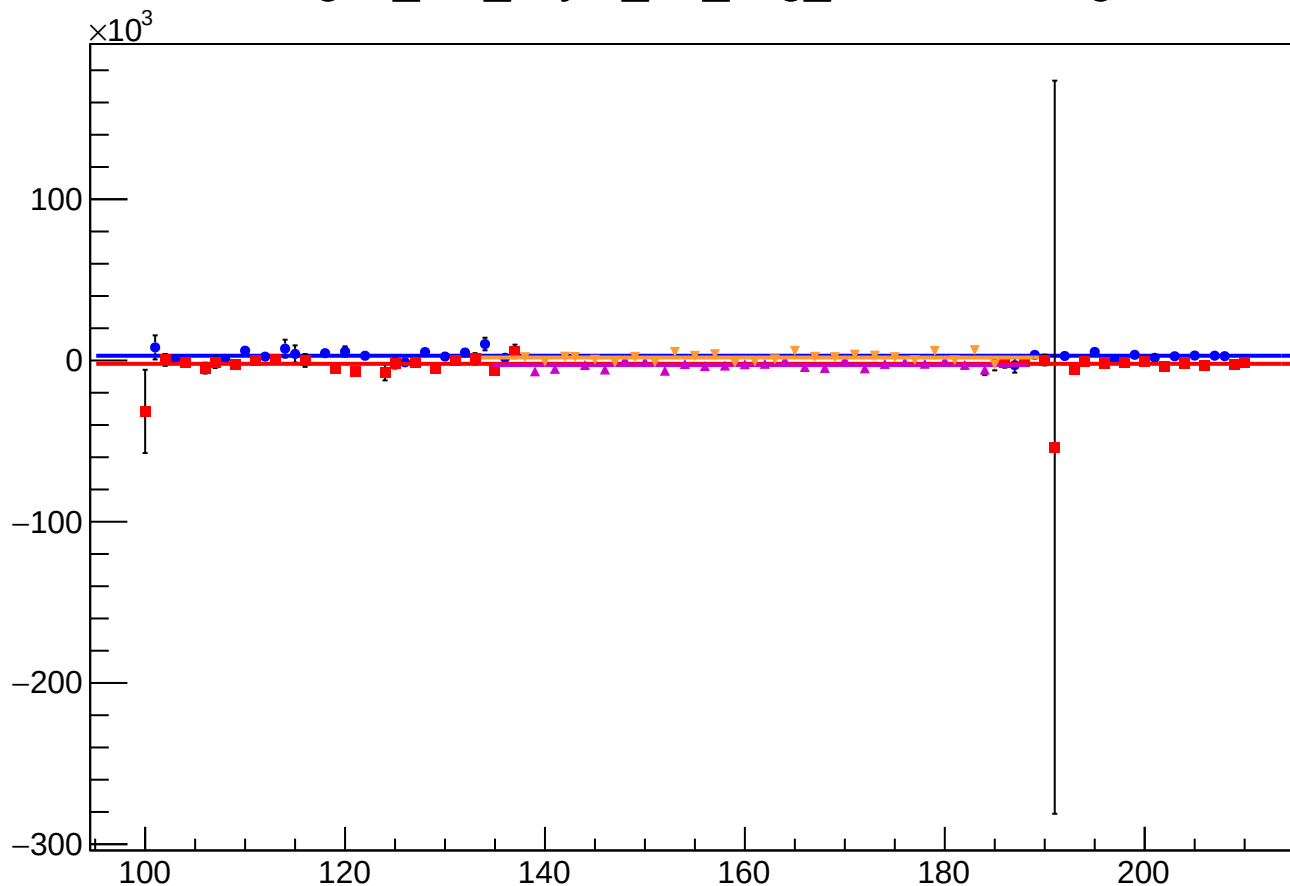
Left In: 4663.273 $\pm$ 0.787 χ^2 /NDF:1286722.8/22

+ sign 4802.474 $\pm$ 0.595 χ^2 /NDF: 4524218.5/51

All: 4702.603 $\pm$ 0.414 χ^2 /NDF: 11972082.7/100

- sign 4609.340 $\pm$ 0.575 χ^2 /NDF: 7393413.1/55

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 2944.314 $\pm$ 492.659 χ^2 /NDF: 16.3/26

Left Out: 1851.888 $\pm$ 420.006 χ^2 /NDF: 31.5/24

Right Out: -2067.740 $\pm$ 465.085 χ^2 /NDF: 22.7/32

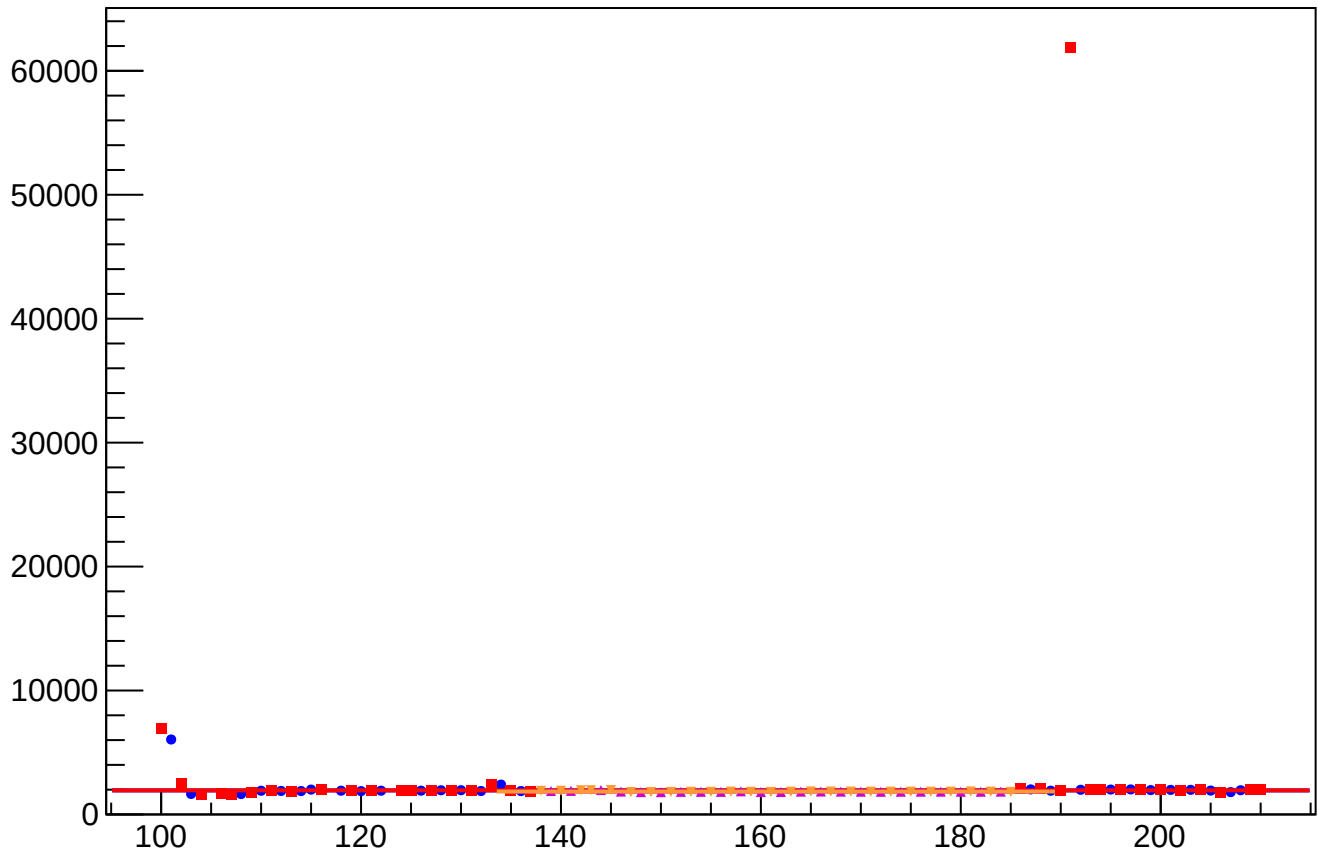
Left In: -2775.745 $\pm$ 430.870 χ^2 /NDF: 25.4/22

+ sign 2311.686 $\pm$ 319.620 χ^2 /NDF: 50.7/51

All: -95.070 $\pm$ 224.742 χ^2 /NDF: 212.2/107

- sign -2448.741 $\pm$ 316.076 χ^2 /NDF: 49.4/55

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1938.568+/-0.348 χ^2/NDF : 718150.4/26

Left Out: 1848.522+/-0.297 χ^2/NDF : 20886.6/24

Right Out: 1945.960+/-0.329 χ^2/NDF : 413872.7/32

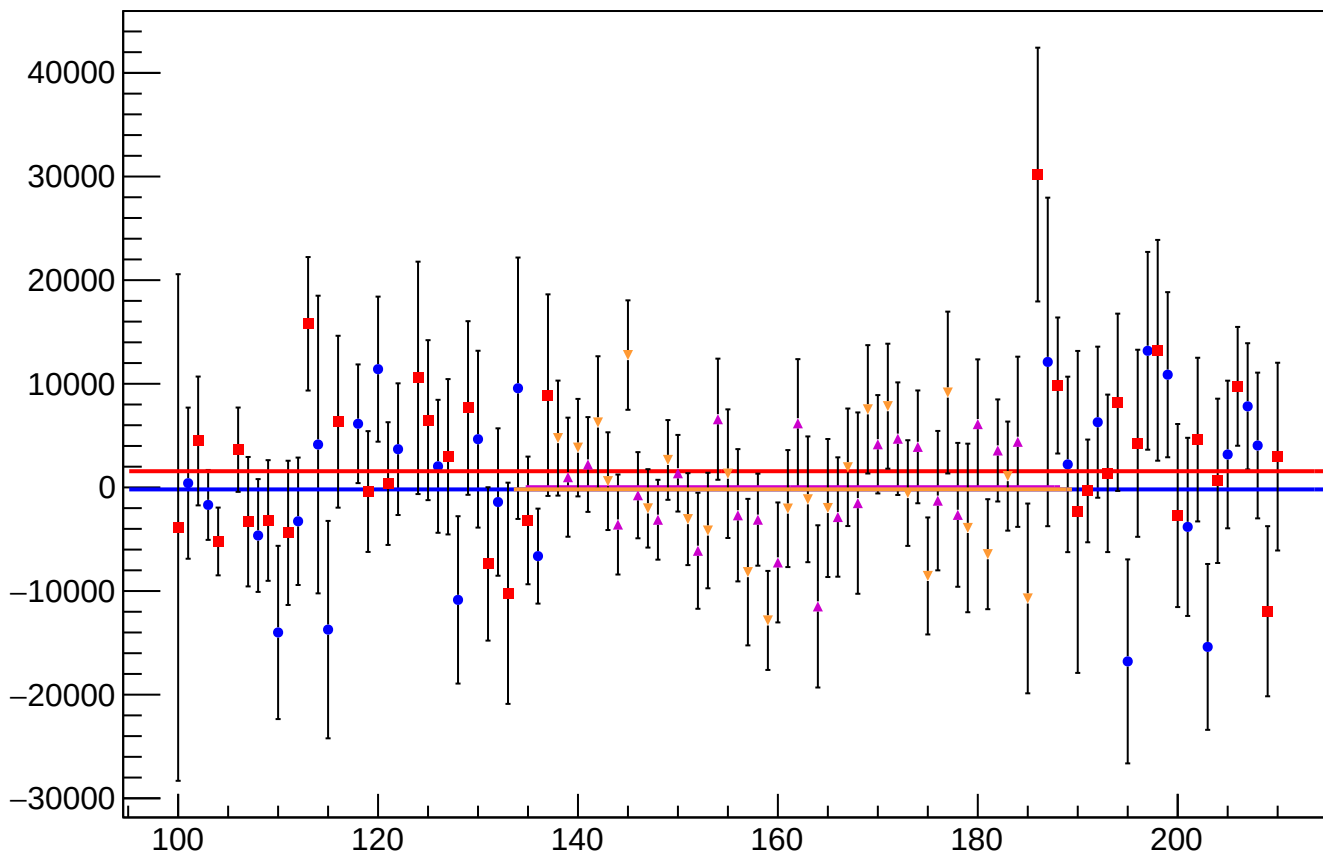
Left In: 1845.061+/-0.305 χ^2/NDF : 14026.0/22

+ sign 1886.422+/-0.226 χ^2/NDF : 777729.2/51

All: 1889.090+/-0.159 χ^2/NDF : 1256596.2/10

- sign 1891.697+/-0.223 χ^2/NDF : 478591.5/55

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -193.406 ± 1327.251 χ^2/NDF : 29.0/26

Left Out: -189.487 ± 1088.617 χ^2/NDF : 28.9/24

Right Out: 1562.431 ± 1192.144 χ^2/NDF : 32.0/32

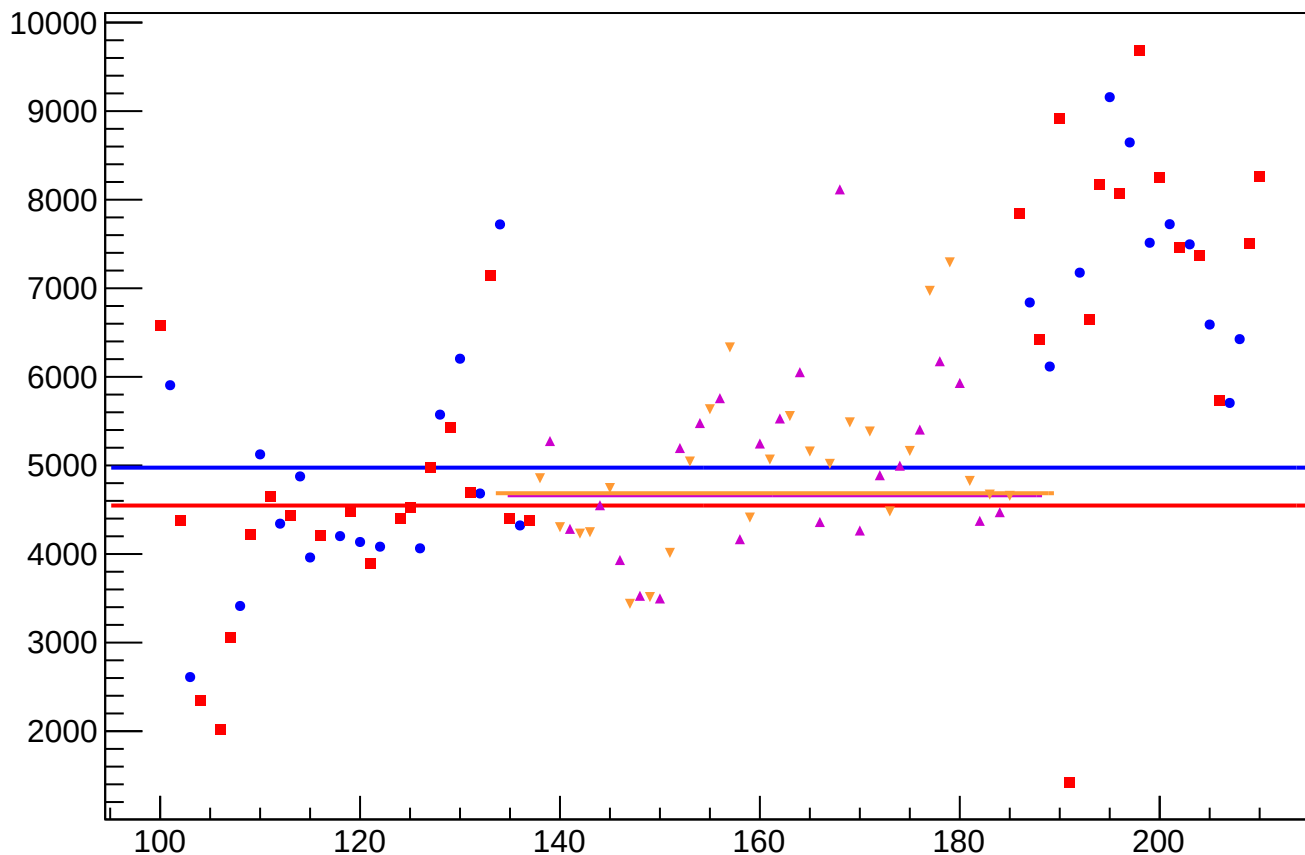
Left In: 19.431 ± 1112.574 χ^2/NDF : 13.7/22

+ sign -191.063 ± 841.708 χ^2/NDF : 58.0/51

All: 289.219 ± 584.907 χ^2/NDF : 105.2/107

- sign 737.722 ± 813.385 χ^2/NDF : 46.6/55

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4975.095+/-0.939 χ^2/NDF : 3282539.9/26

Left Out: 4686.346+/-0.770 χ^2/NDF : 1185089.0/24

Right Out: 4547.416+/-0.843 χ^2/NDF : 6096594.1/32

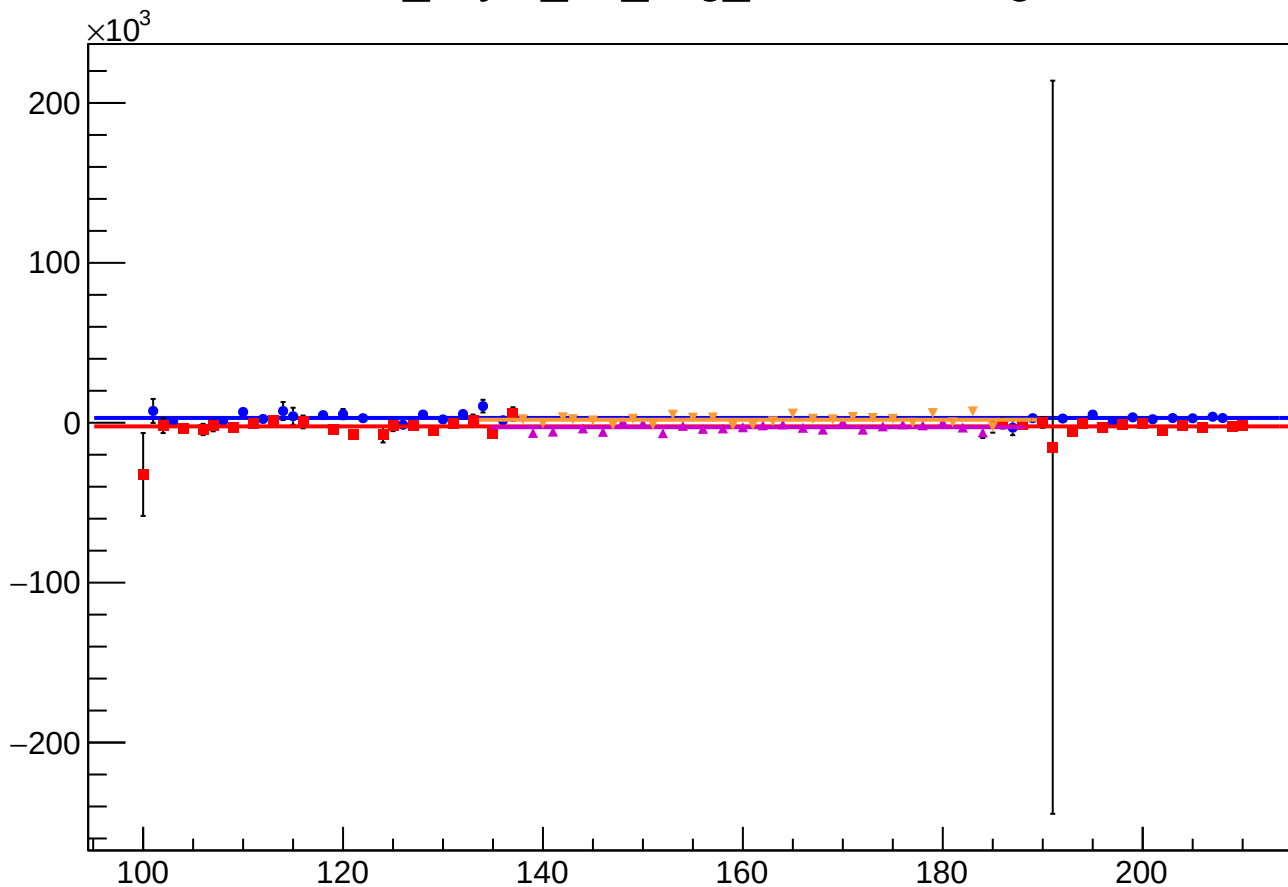
Left In: 4663.273+/-0.787 χ^2/NDF : 1286722.8/22

+ sign 4802.474+/-0.595 χ^2/NDF : 4524218.5/51

All: 4702.603+/-0.414 χ^2/NDF : 11972082.7/101

- sign 4609.340+/-0.575 χ^2/NDF : 7393413.1/55

dit_asym_atr_avg_mean vs Slug



Right In: 3009.287 $\pm$ 502.803 χ^2/NDF : 16.7/26

Left Out: 1880.927 $\pm$ 428.980 χ^2/NDF : 32.9/24

Right Out: -2277.144 $\pm$ 475.479 χ^2/NDF : 23.5/32

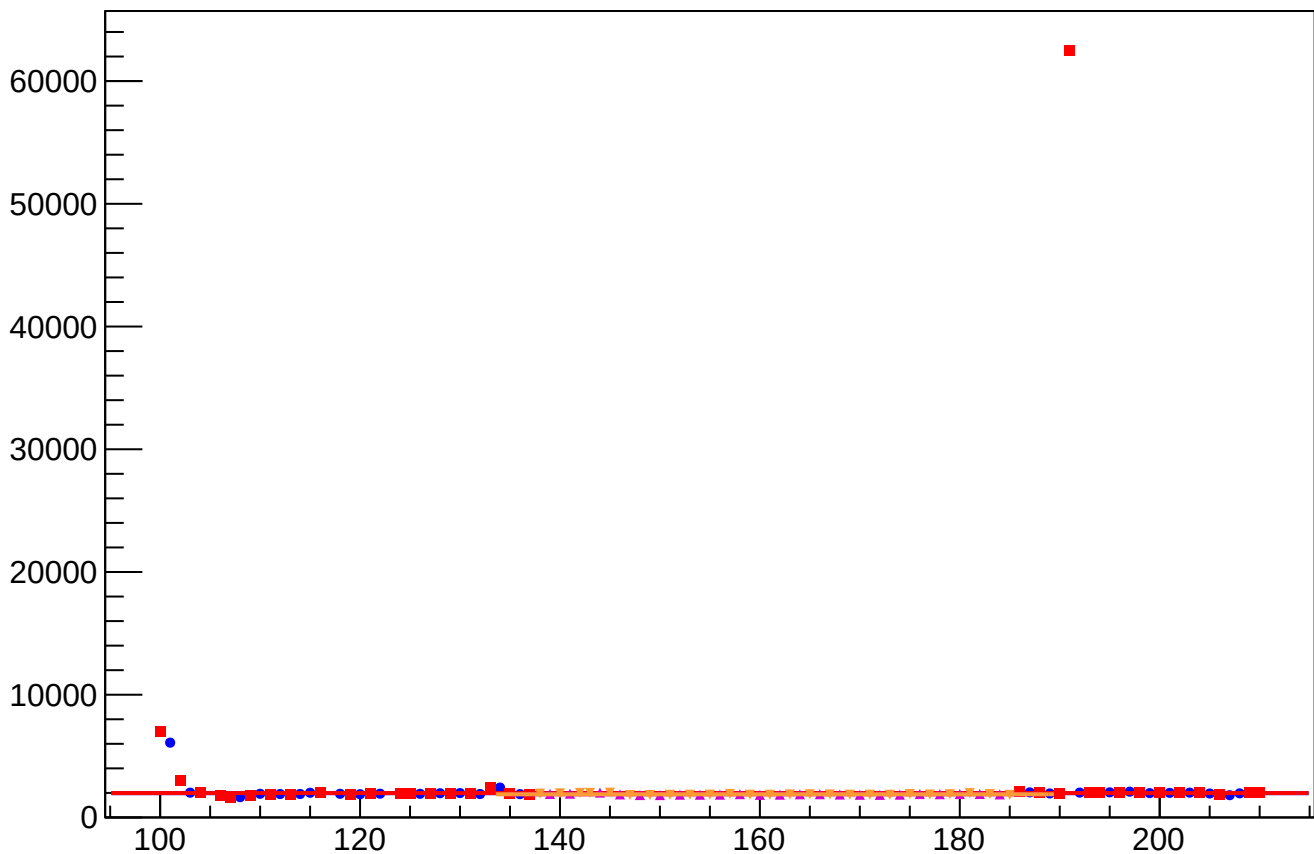
Left In: -2798.435 $\pm$ 439.234 χ^2/NDF : 25.4/22

+ sign 2356.268 $\pm$ 326.345 χ^2/NDF : 52.6/51

All: -129.135 $\pm$ 229.439 χ^2/NDF : 216.8/107

- sign -2558.413 $\pm$ 322.639 χ^2/NDF : 49.6/55

dit_asym_atr_avg_rms vs Slug



Right In: 1979.085 $\pm$ 0.356 χ^2 /NDF: 690426.0/26

Left Out: 1887.545 $\pm$ 0.303 χ^2 /NDF: 31955.7/24

Right Out: 1985.632 $\pm$ 0.336 χ^2 /NDF: 435033.0/32

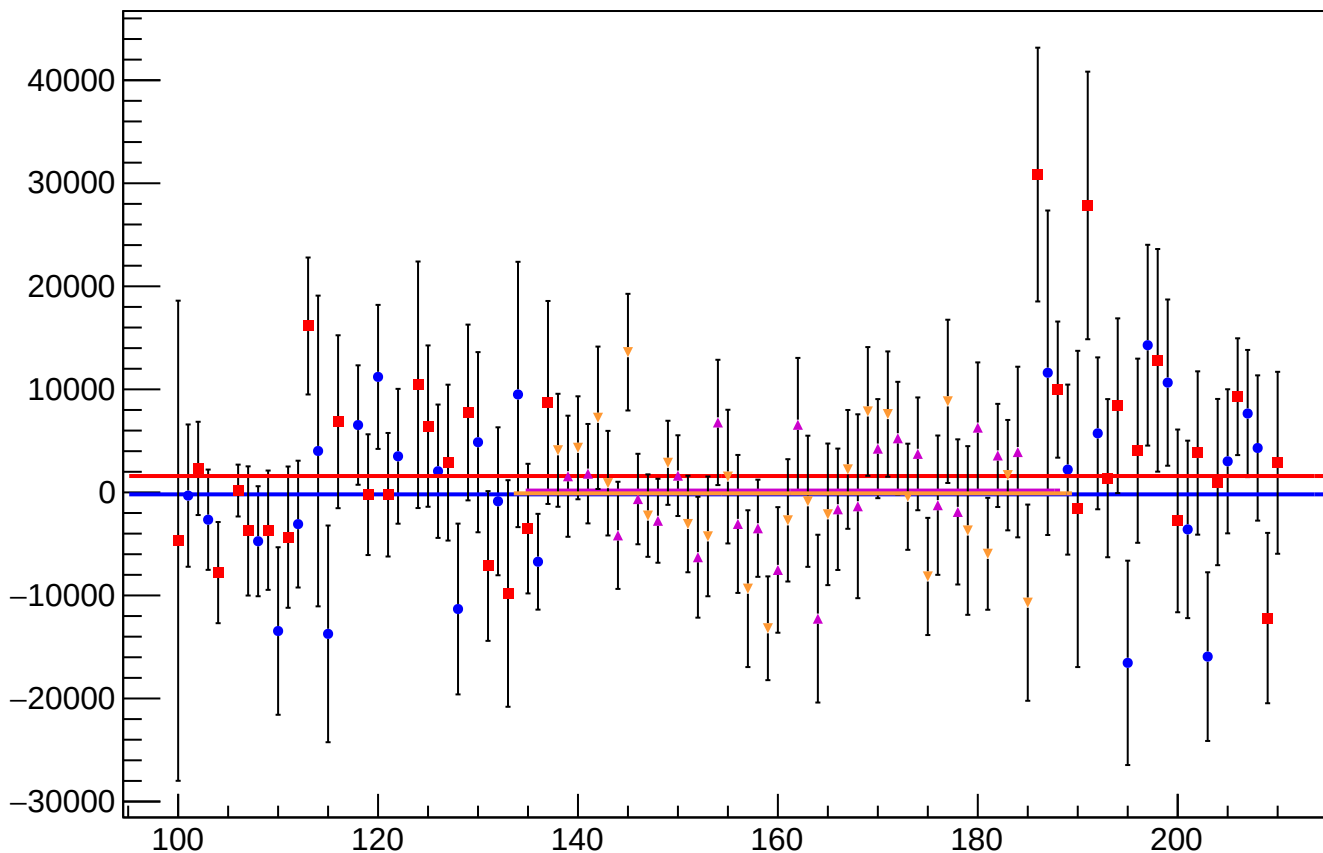
Left In: 1880.575 $\pm$ 0.311 χ^2 /NDF: 19037.6/22

+ sign 1926.108 $\pm$ 0.231 χ^2 /NDF: 760746.7/51

All: 1927.554 $\pm$ 0.162 χ^2 /NDF: 1267597.5/10

- sign 1928.966 $\pm$ 0.228 χ^2 /NDF: 506773.1/55

asym_atr_avg_dit_correction_mean vs Slug



Right In: -190.209 ± 1388.632 χ^2/NDF : 28.9/26

Left Out: -91.889 ± 1133.233 χ^2/NDF : 28.1/24

Right Out: 1589.191 ± 1168.783 χ^2/NDF : 35.1/32

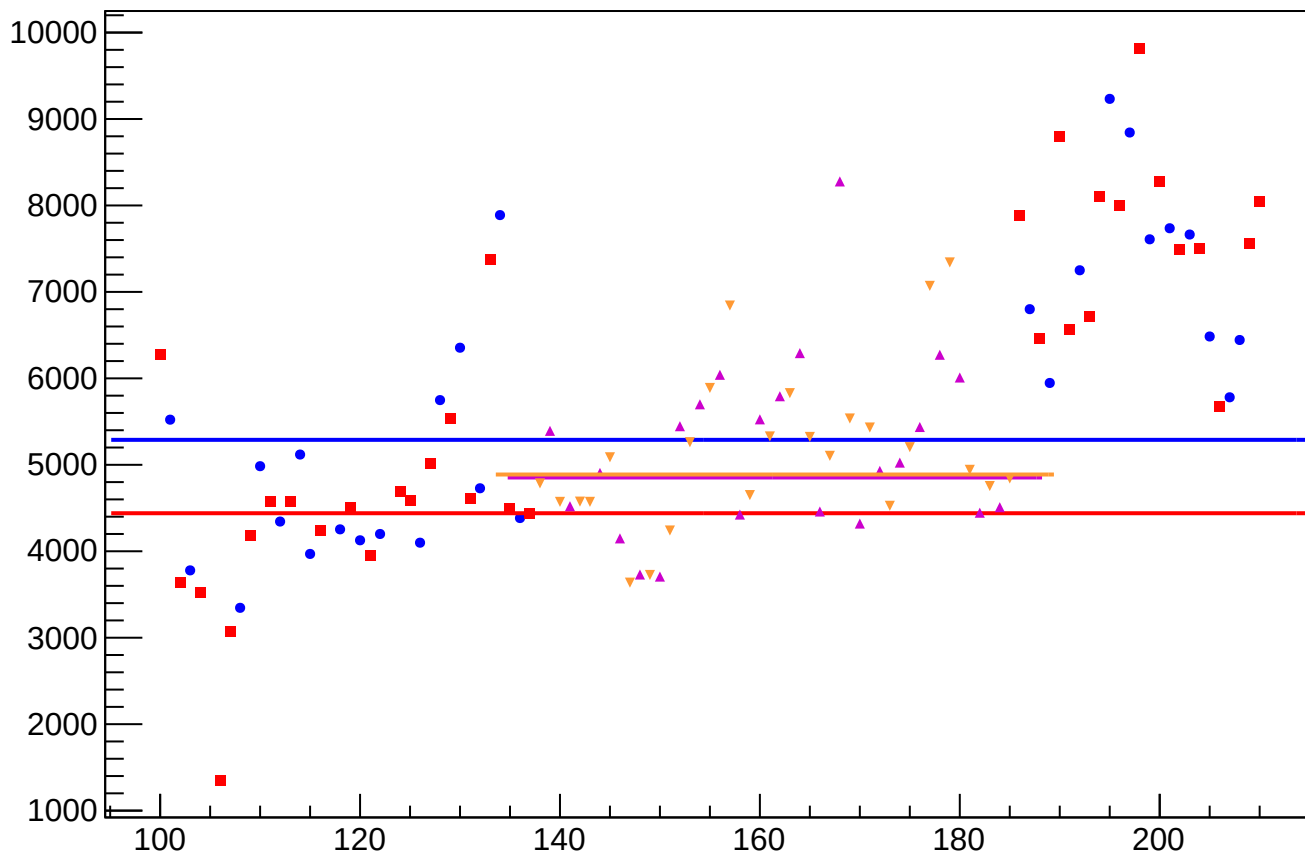
Left In: 177.137 ± 1156.061 χ^2/NDF : 13.5/22

+ sign -131.193 ± 877.978 χ^2/NDF : 57.0/51

All: 405.283 ± 600.025 χ^2/NDF : 107.0/107

- sign 875.437 ± 821.919 χ^2/NDF : 49.4/55

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5288.844+/-0.982 χ^2/NDF : 2364546.5/26

Left Out: 4887.823+/-0.801 χ^2/NDF : 1063298.6/24

Right Out: 4440.008+/-0.826 χ^2/NDF : 7069771.7/32

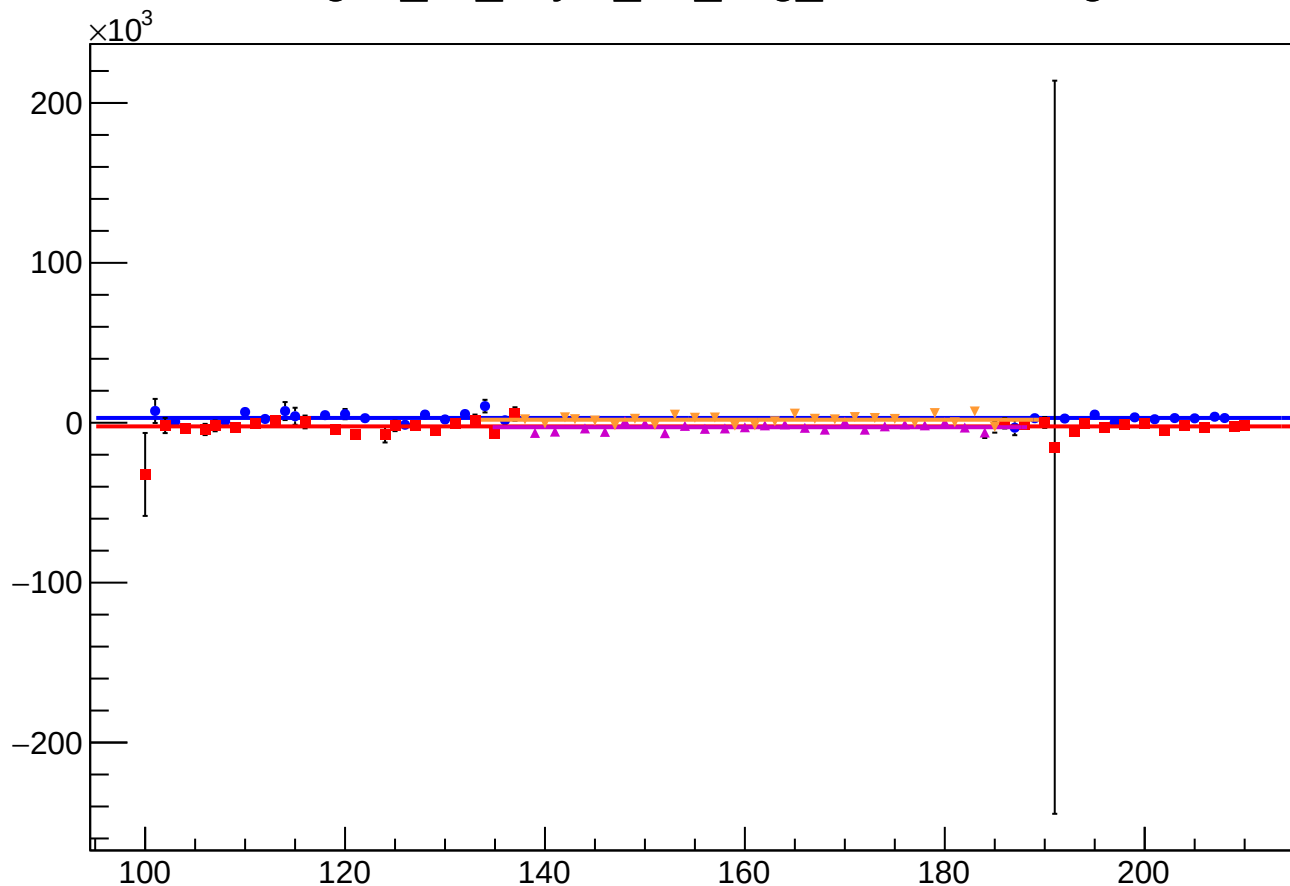
Left In: 4853.363+/-0.817 χ^2/NDF : 1178636.9/22

+ sign 5048.133+/-0.621 χ^2/NDF : 3527964.9/51

All: 4835.390+/-0.424 χ^2/NDF : 12123158.8/100

- sign 4648.948+/-0.581 χ^2/NDF : 8374854.9/55

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3009.287 $\pm$ 502.803 χ^2 /NDF: 16.7/26

Left Out: 1880.922 $\pm$ 428.981 χ^2 /NDF: 32.9/24

Right Out: -2277.144 $\pm$ 475.479 χ^2 /NDF: 23.5/32

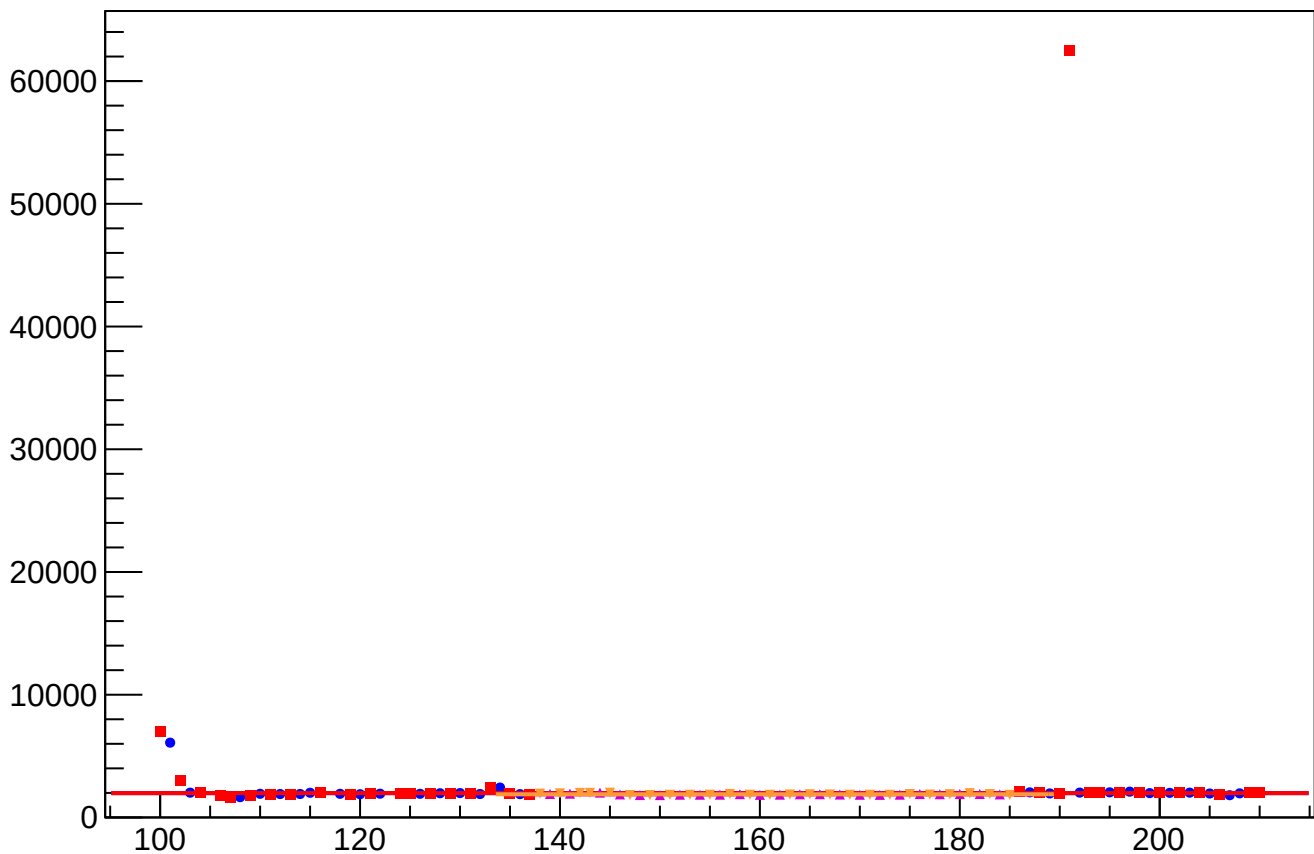
Left In: -2798.435 $\pm$ 439.234 χ^2 /NDF: 25.4/22

+ sign 2356.264 $\pm$ 326.345 χ^2 /NDF: 52.6/51

All: -129.136 $\pm$ 229.439 χ^2 /NDF: 216.8/107

- sign -2558.413 $\pm$ 322.639 χ^2 /NDF: 49.6/55

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1979.085+/-0.356 χ^2/NDF : 690426.1/26

Left Out: 1887.546+/-0.303 χ^2/NDF :31955.8/24

Right Out: 1985.632 ± 0.336 χ^2/NDF : 435032.5/32

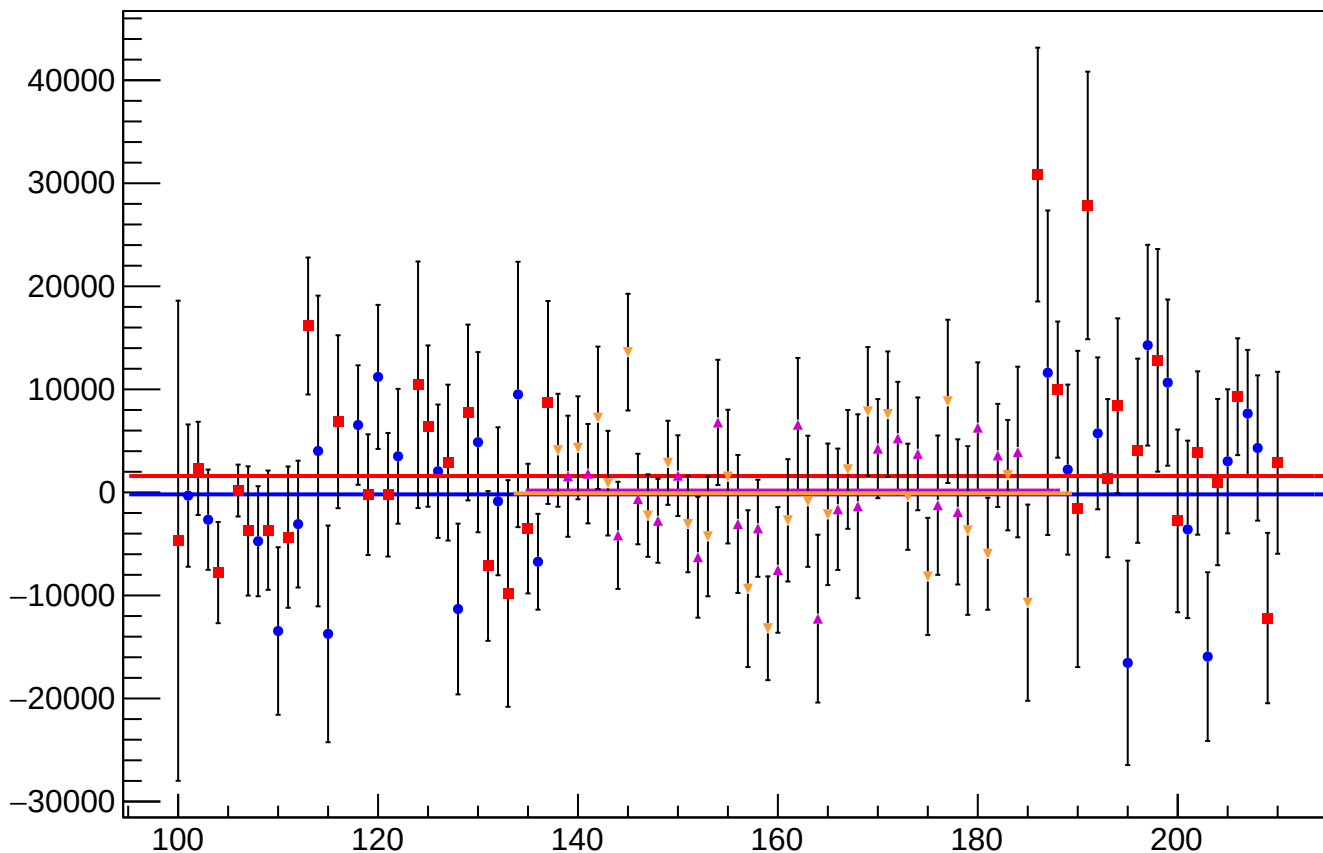
Left In: 1880.576+/-0.311 χ^2/NDF :19037.6/22

+ sign 1926.108+/-0.231 χ^2/NDF : 760746.1/51

All: 1927.554 ± 0.162 χ^2/NDF : 1267595.5/10

- sign 1928.967+/-0.228 χ^2/NDF : 506771.8/55

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -190.200 ± 1388.631 χ^2/NDF : 28.9/26

Left Out: -91.892 ± 1133.235 χ^2/NDF : 28.1/24

Right Out: 1589.188 ± 1168.782 χ^2/NDF : 35.1/32

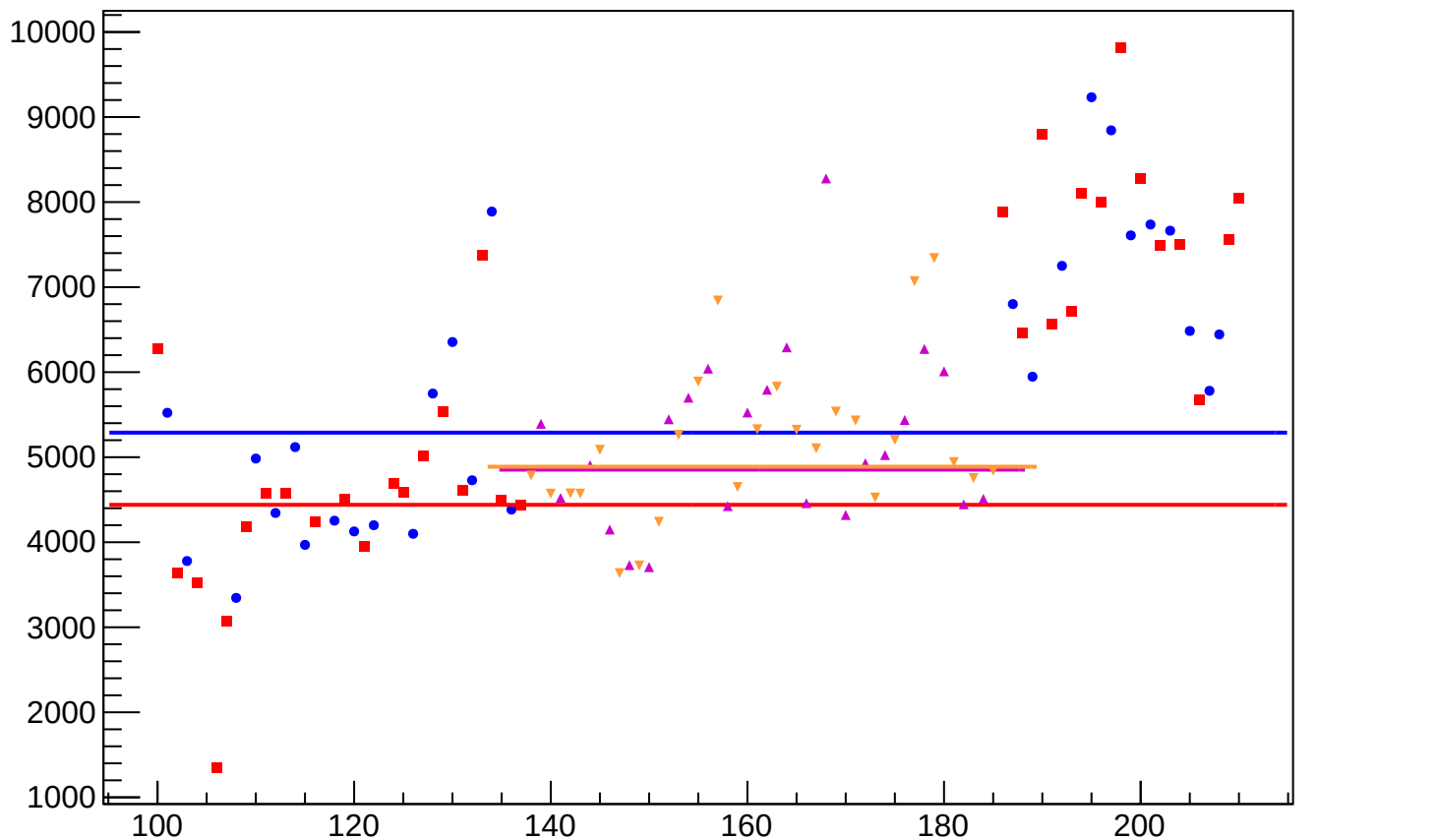
Left In: 177.140 ± 1156.062 χ^2/NDF : 13.5/22

+ sign -131.192 ± 877.979 χ^2/NDF : 57.0/51

All: 405.284 ± 600.025 χ^2/NDF : 107.0/107

- sign 875.439 ± 821.920 χ^2/NDF : 49.4/55

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5288.839+/-0.982 χ^2/NDF : 2364564.1/26

Left Out: 4887.830+/-0.801 χ^2/NDF : 1063300.0/24

Right Out: 4439.999+/-0.826 χ^2/NDF : 7069812.3/32

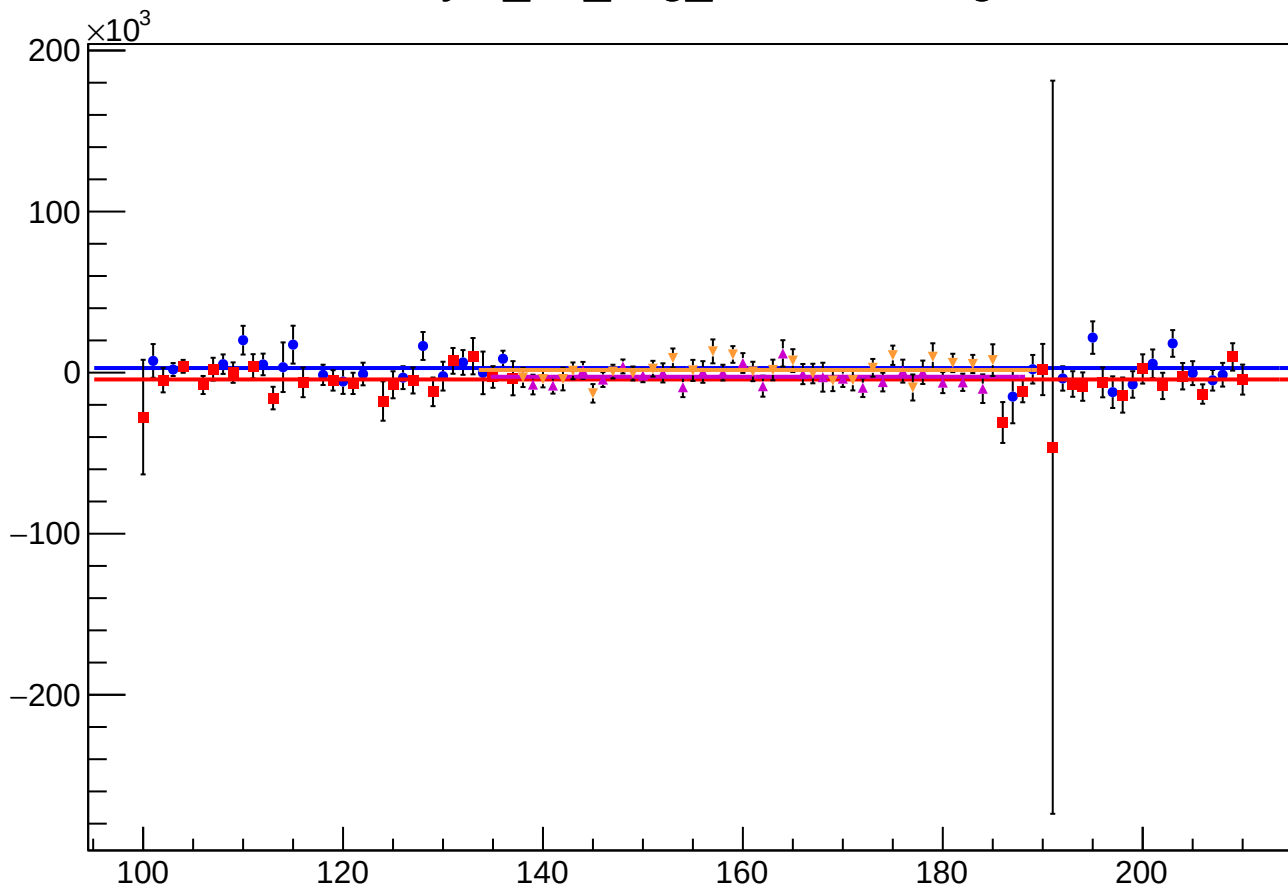
Left In: 4853.371+/-0.817 χ^2/NDF : 1178639.4/22

+ sign 5048.136+/-0.621 χ^2/NDF : 3527977.4/51

All: 4835.391+/-0.424 χ^2/NDF : 12123228.9/100

- sign 4648.946+/-0.581 χ^2/NDF : 8374907.9/55

asym_atr_avg_mean vs Slug



Right In: 2855.467 $\pm$ 1455.553 χ^2 /NDF: 27.4/26

Left Out: 1654.615 $\pm$ 1178.652 χ^2 /NDF:26.0/24

Right Out: -4225.160 $\pm$ 1370.359 χ^2 /NDF: 28.9/32

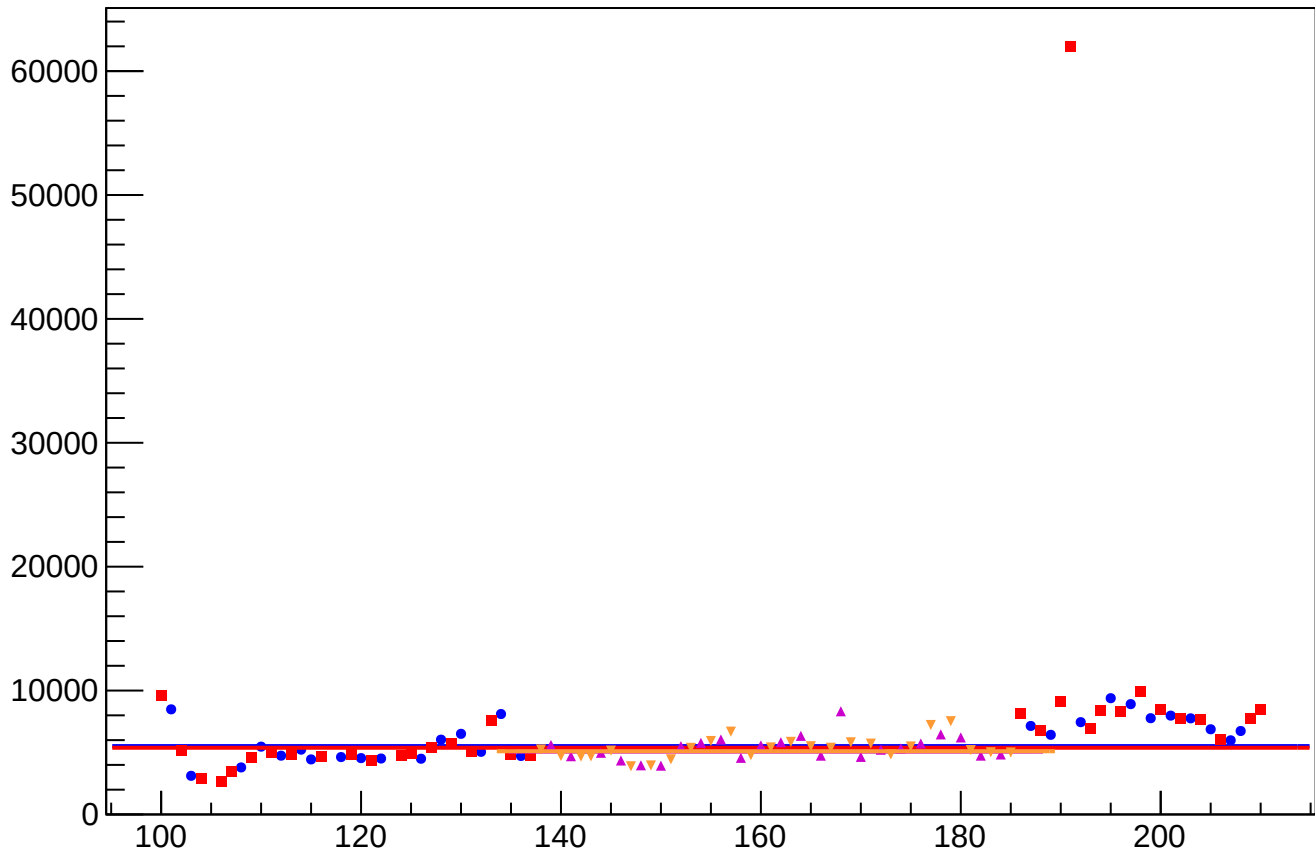
Left In: -2563.603 $\pm$ 1204.450 χ^2 /NDF:16.0/22

+ sign 2130.190 $\pm$ 915.995 χ^2 /NDF: 53.8/51

All: -612.464 $\pm$ 643.667 χ^2 /NDF: 117.2/107

- sign -3287.761 $\pm$ 904.677 χ^2 /NDF: 45.7/55

asym_atr_avg_rms vs Slug



Right In: 5518.807+/-1.029 χ^2 /NDF: 2681487.3/26

Left Out: 5100.641+/-0.833 χ^2 /NDF:909330.5/24

Right Out: 5384.071+/-0.963 χ^2 /NDF: 3981181.8/32

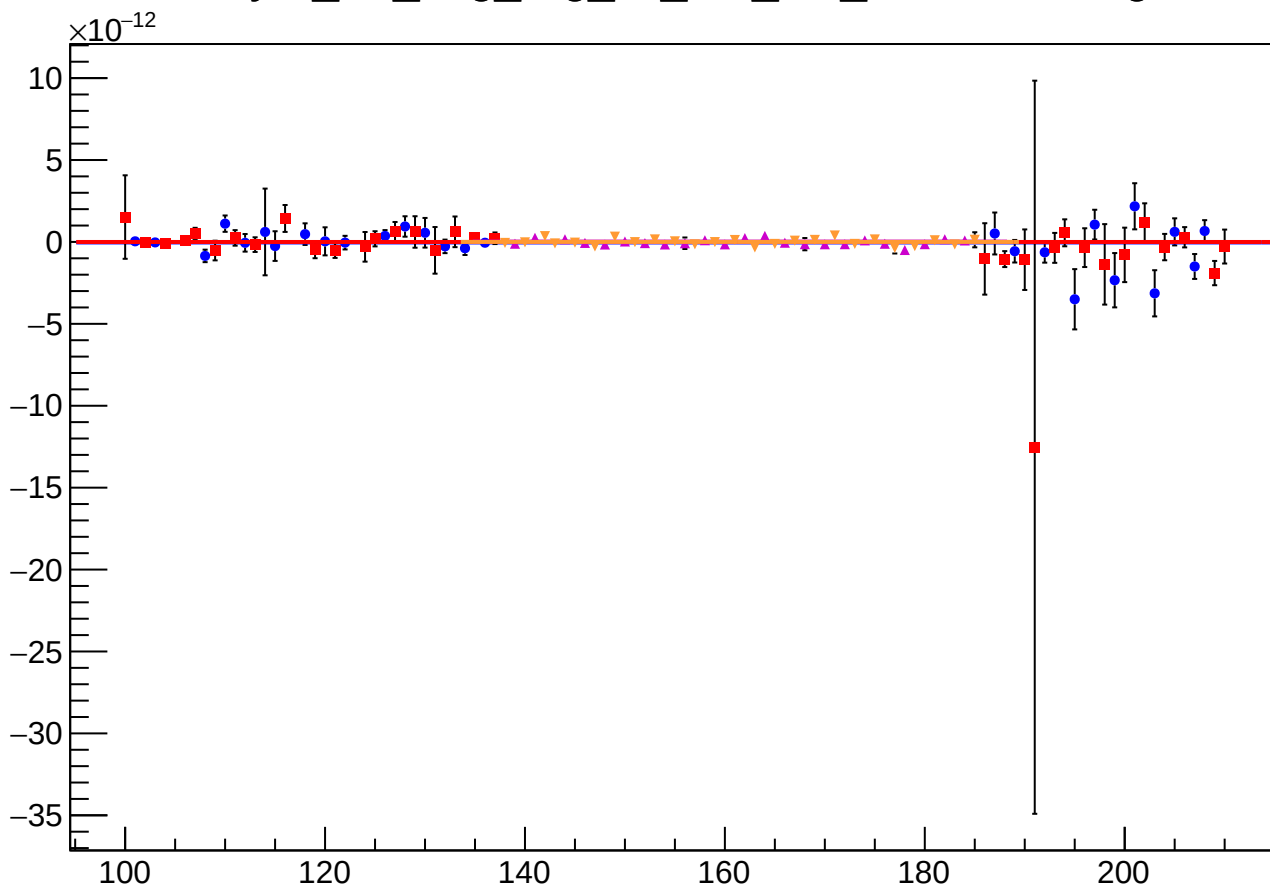
Left In: 5073.543+/-0.852 χ^2 /NDF:991915.5/22

+ sign 5266.248+/-0.648 χ^2 /NDF: 3690515.6/51

All: 5237.588+/-0.455 χ^2 /NDF: 8725793.0/10

- sign 5209.776+/-0.638 χ^2 /NDF: 5031419.6/55

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 37.4/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 33.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 30.1/32

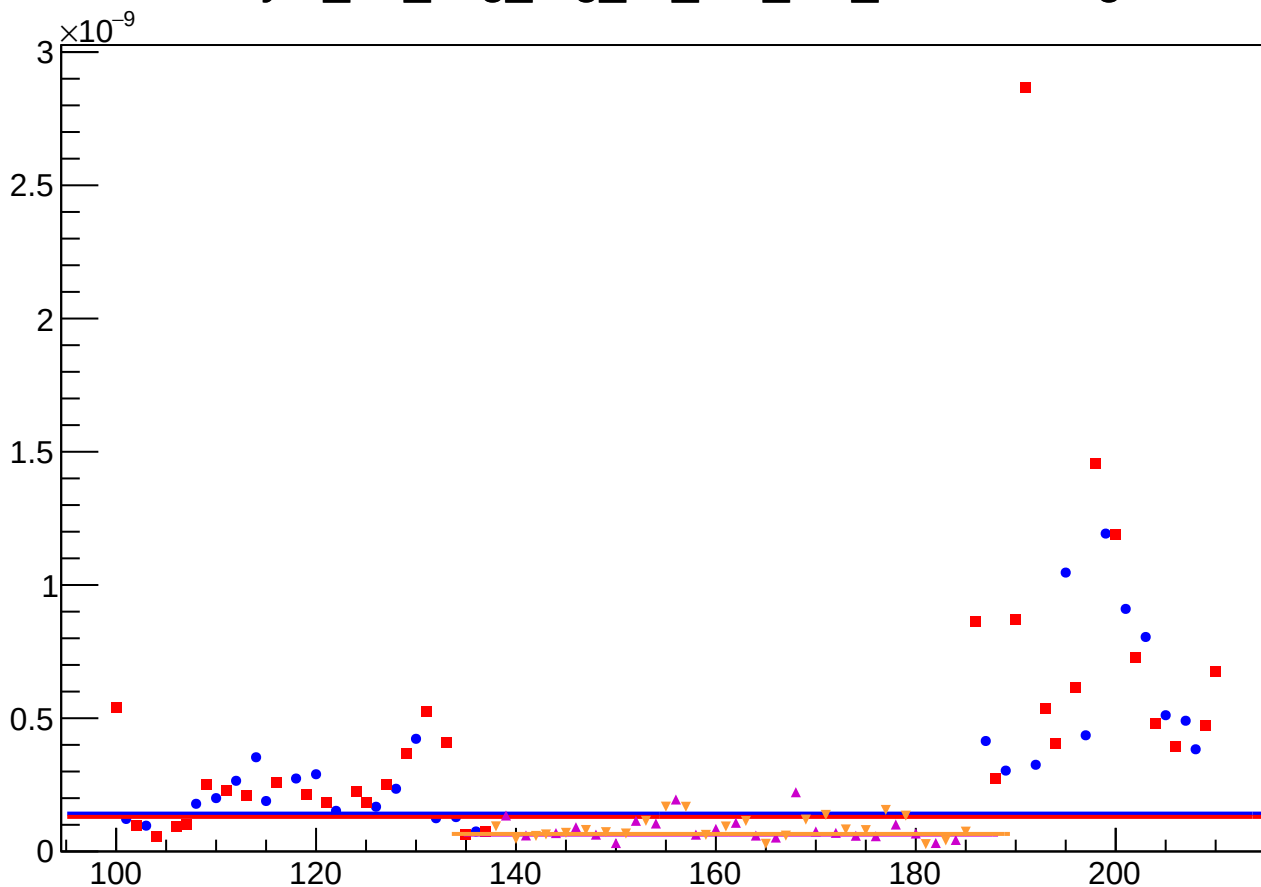
Left In: 0.000 ± 0.000 χ^2/NDF : 32.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 70.8/51

All: 0.000 ± 0.000 χ^2/NDF : 133.7/107

- sign 0.000 ± 0.000 χ^2/NDF : 62.7/55

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5311974.7/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7548224.1/32

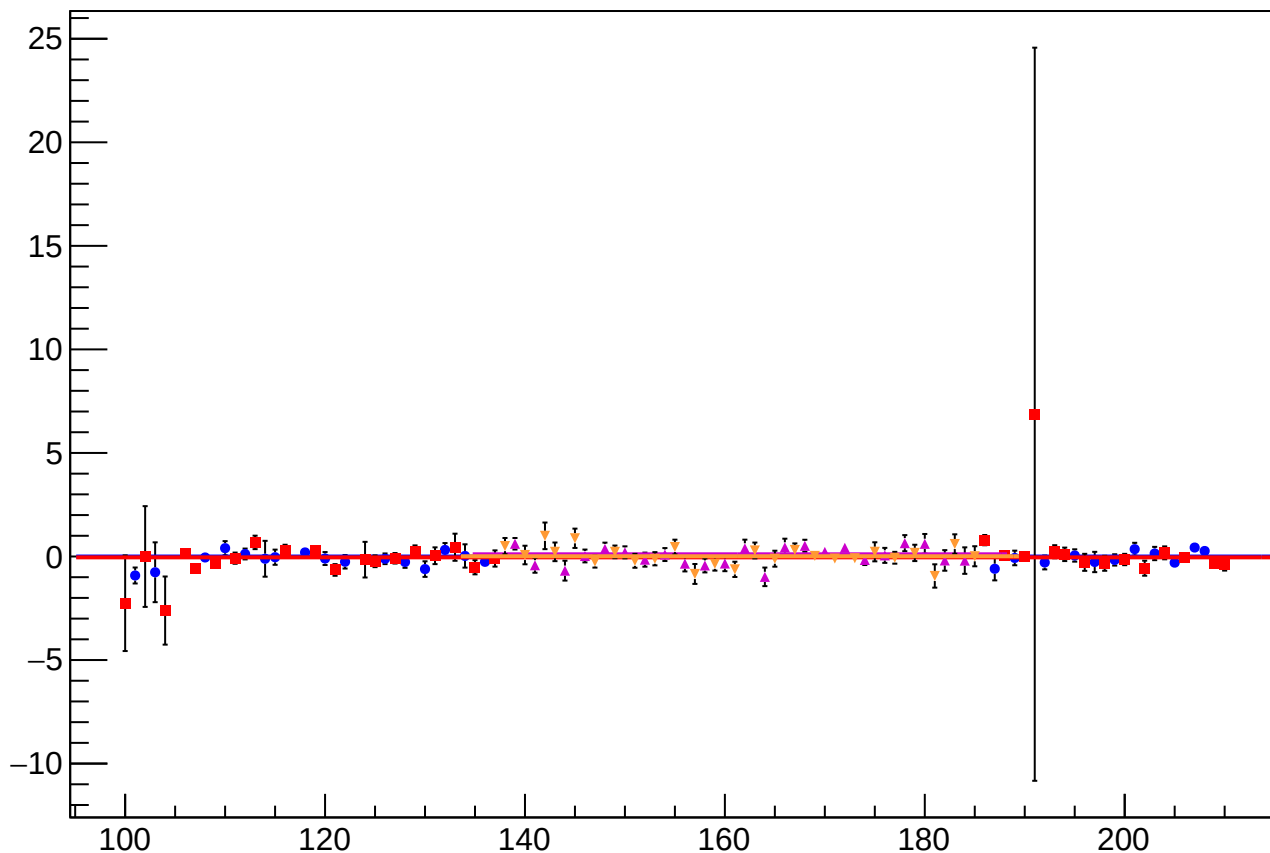
Left In: 0.000+/-0.000 χ^2/NDF : 2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 9713534.0/51

All: 0.000+/-0.000 χ^2/NDF : 21049930.7/107

- sign 0.000+/-0.000 χ^2/NDF : 11321119.3/55

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.056 $\chi^2/\text{NDF}: 29.5/26$

Left Out: 0.012 ± 0.068 $\chi^2/\text{NDF}: 25.2/24$

Right Out: -0.042 ± 0.048 $\chi^2/\text{NDF}: 48.1/32$

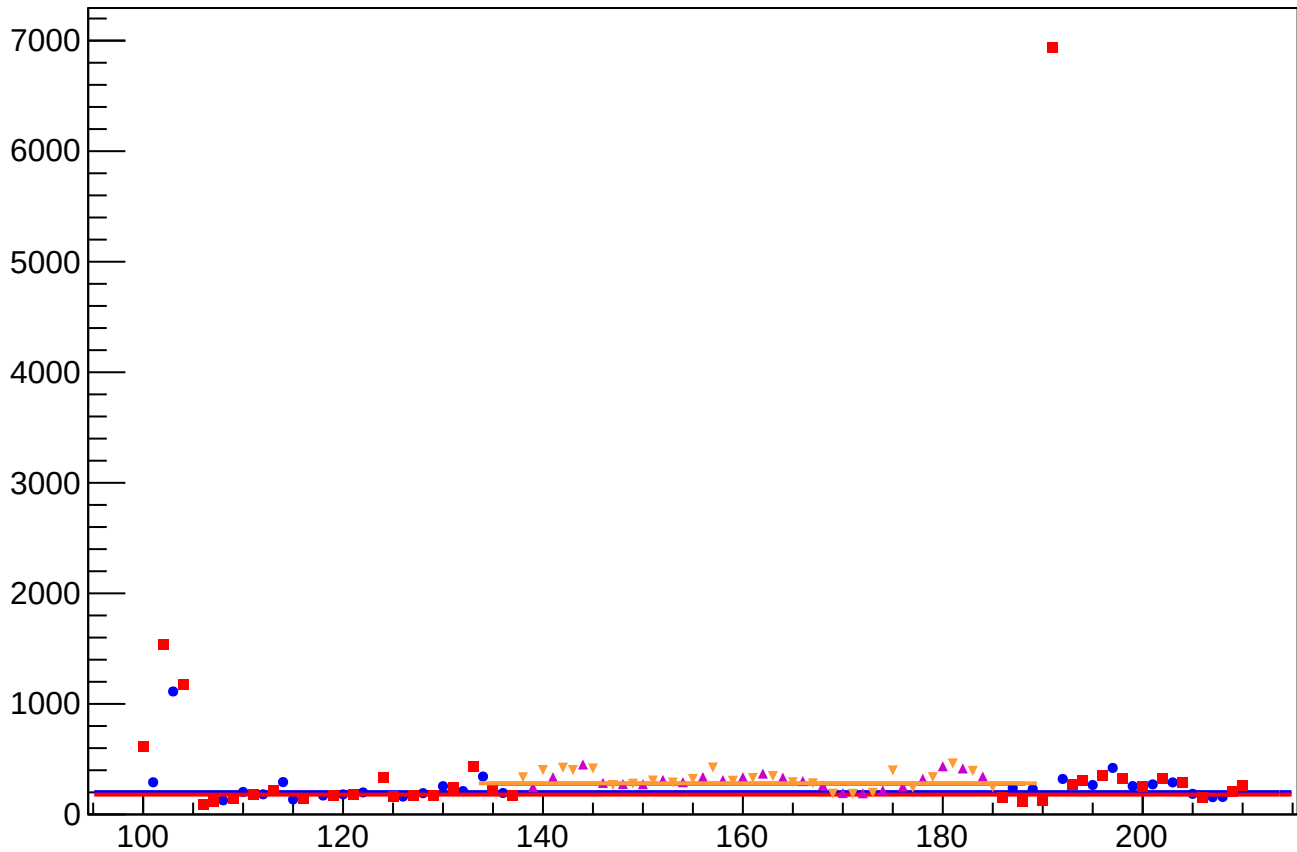
Left In: 0.105 ± 0.069 $\chi^2/\text{NDF}: 31.4/22$

+ sign 0.003 ± 0.043 $\chi^2/\text{NDF}: 54.7/51$

All: 0.005 ± 0.029 $\chi^2/\text{NDF}: 137.4/107$

- sign 0.007 ± 0.040 $\chi^2/\text{NDF}: 82.6/55$

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 202.020+/-0.039 χ^2/NDF : 2888400.4/26

Left Out: 281.818+/-0.048 χ^2/NDF : 2520824.2/24

Right Out: 179.423+/-0.034 χ^2/NDF : 5650497.4/32

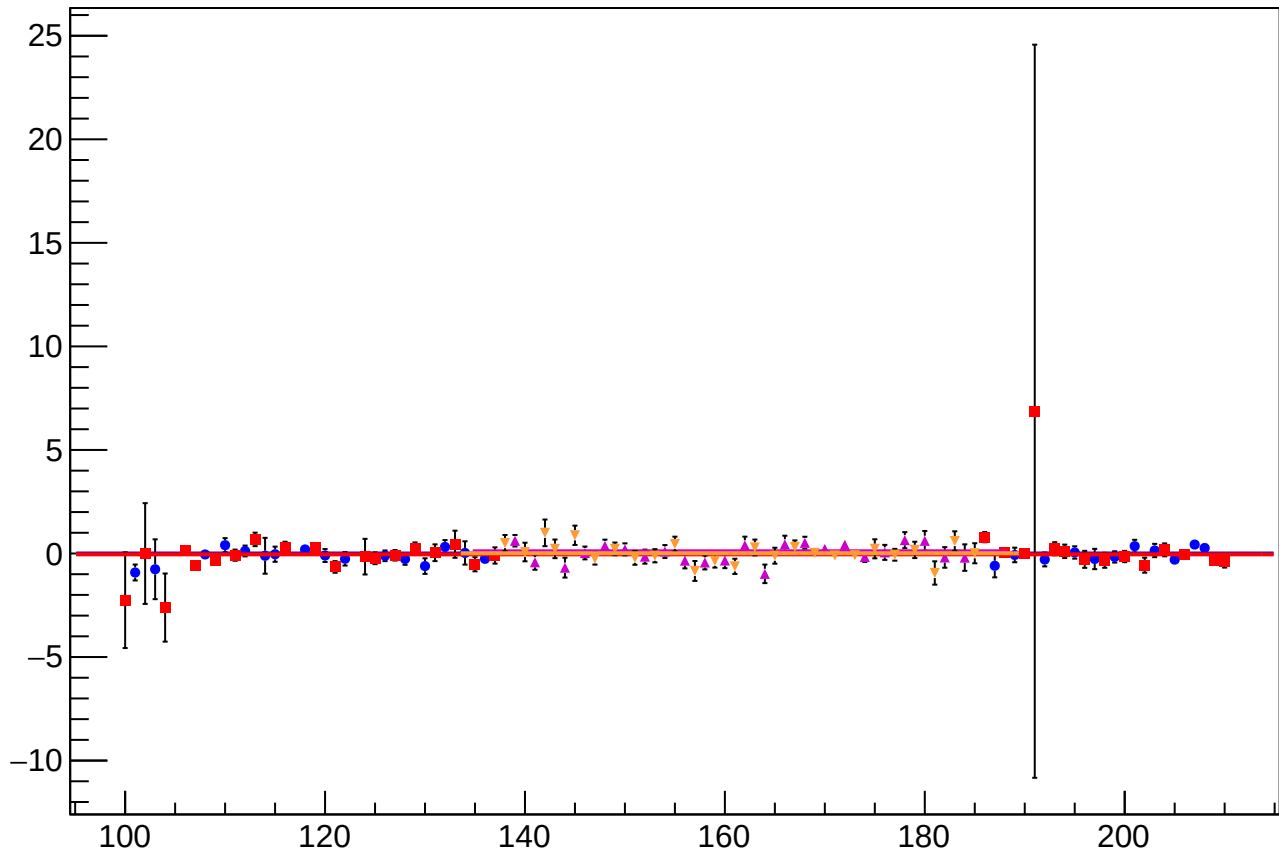
Left In: 278.409+/-0.049 χ^2/NDF : 1799690.4/22

+ sign 233.902+/-0.030 χ^2/NDF : 7060770.8/51

All: 222.193+/-0.021 χ^2/NDF : 17565699.5/10

- sign 212.301+/-0.028 χ^2/NDF : 10231495.0/55

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.056 $\chi^2/\text{NDF}: 29.5/26$

Left Out: 0.012 ± 0.068 $\chi^2/\text{NDF}: 25.2/24$

Right Out: -0.042 ± 0.048 $\chi^2/\text{NDF}: 48.1/32$

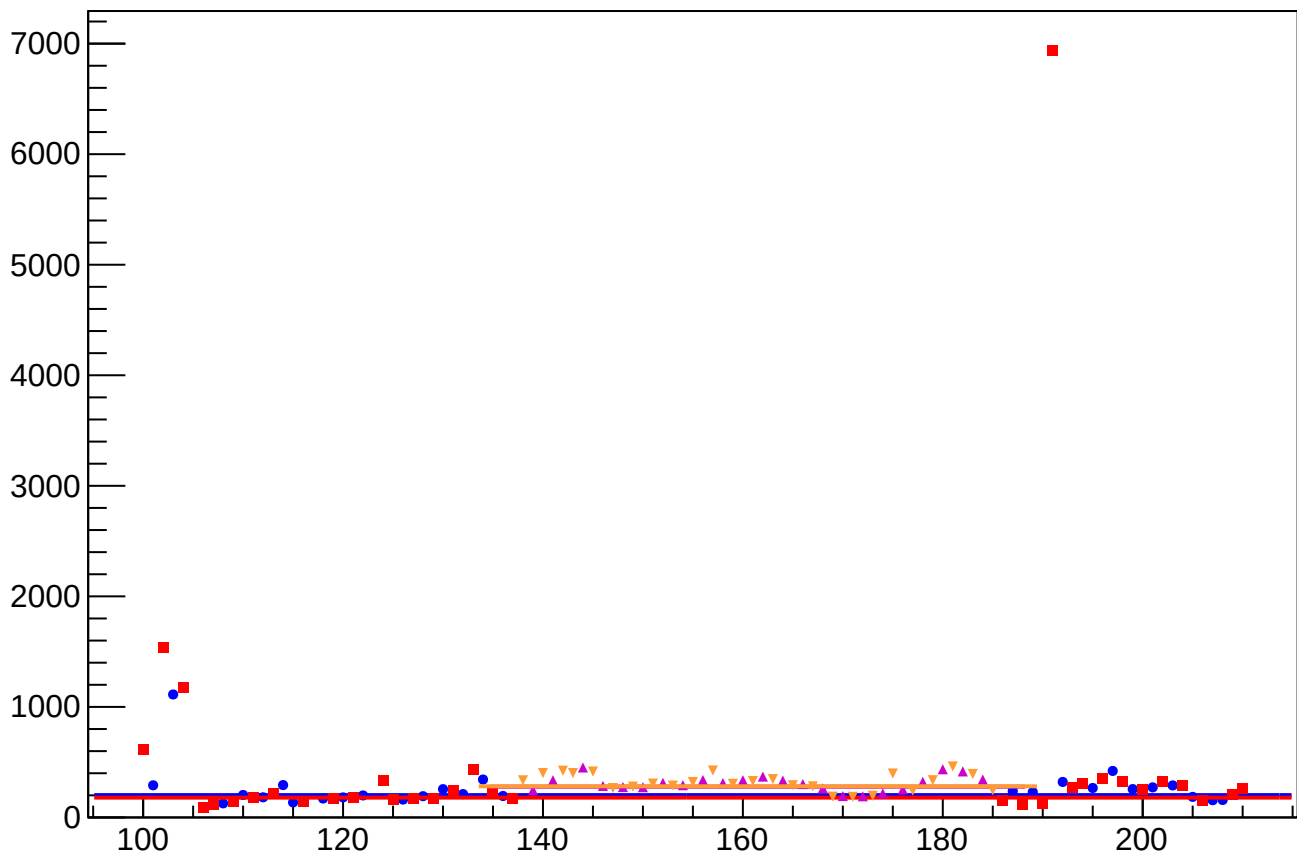
Left In: 0.105 ± 0.069 $\chi^2/\text{NDF}: 31.4/22$

+ sign 0.003 ± 0.043 $\chi^2/\text{NDF}: 54.7/51$

All: 0.005 ± 0.029 $\chi^2/\text{NDF}: 137.4/107$

- sign 0.007 ± 0.040 $\chi^2/\text{NDF}: 82.6/55$

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 202.020 $\pm$ 0.039 χ^2 /NDF: 2888400.4/26

Left Out: 281.818 $\pm$ 0.048 χ^2 /NDF: 2520824.2/24

Right Out: 179.423 $\pm$ 0.034 χ^2 /NDF: 5650497.4/32

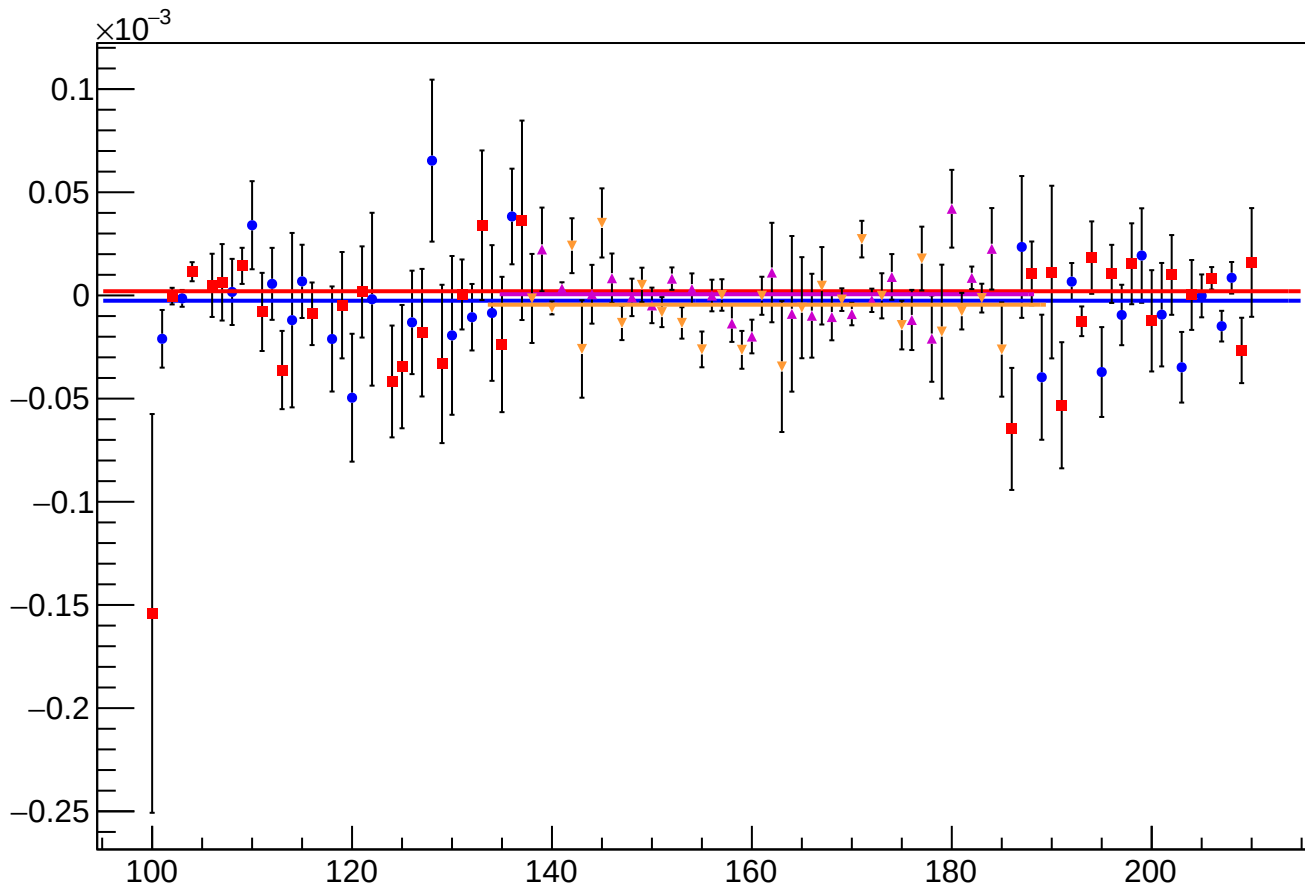
Left In: 278.409 $\pm$ 0.049 χ^2 /NDF: 1799690.4/22

+ sign 233.902 $\pm$ 0.030 χ^2 /NDF: 7060770.8/51

All: 222.193 $\pm$ 0.021 χ^2 /NDF: 17565699.5/10

- sign 212.301 $\pm$ 0.028 χ^2 /NDF: 10231495.0/55

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 30.3/26

Left Out: -0.000+/-0.000 χ^2 /NDF: 46.4/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 41.3/32

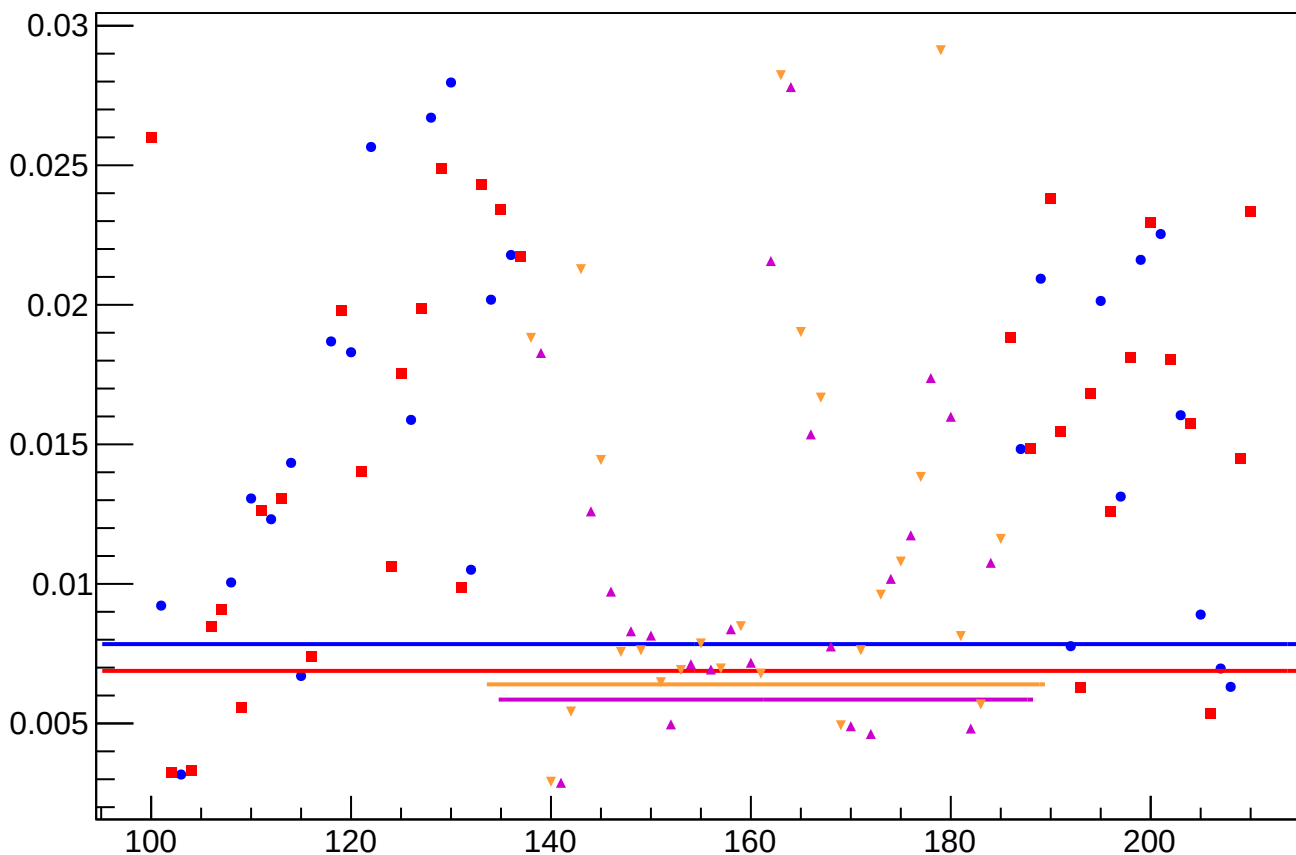
Left In: 0.000+/-0.000 χ^2 /NDF: 29.1/22

+ sign -0.000+/-0.000 χ^2 /NDF: 77.0/51

All: -0.000+/-0.000 χ^2 /NDF: 154.6/107

- sign 0.000+/-0.000 χ^2 /NDF: 70.7/55

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9572303.8/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8964265.3/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 12869025.9/32

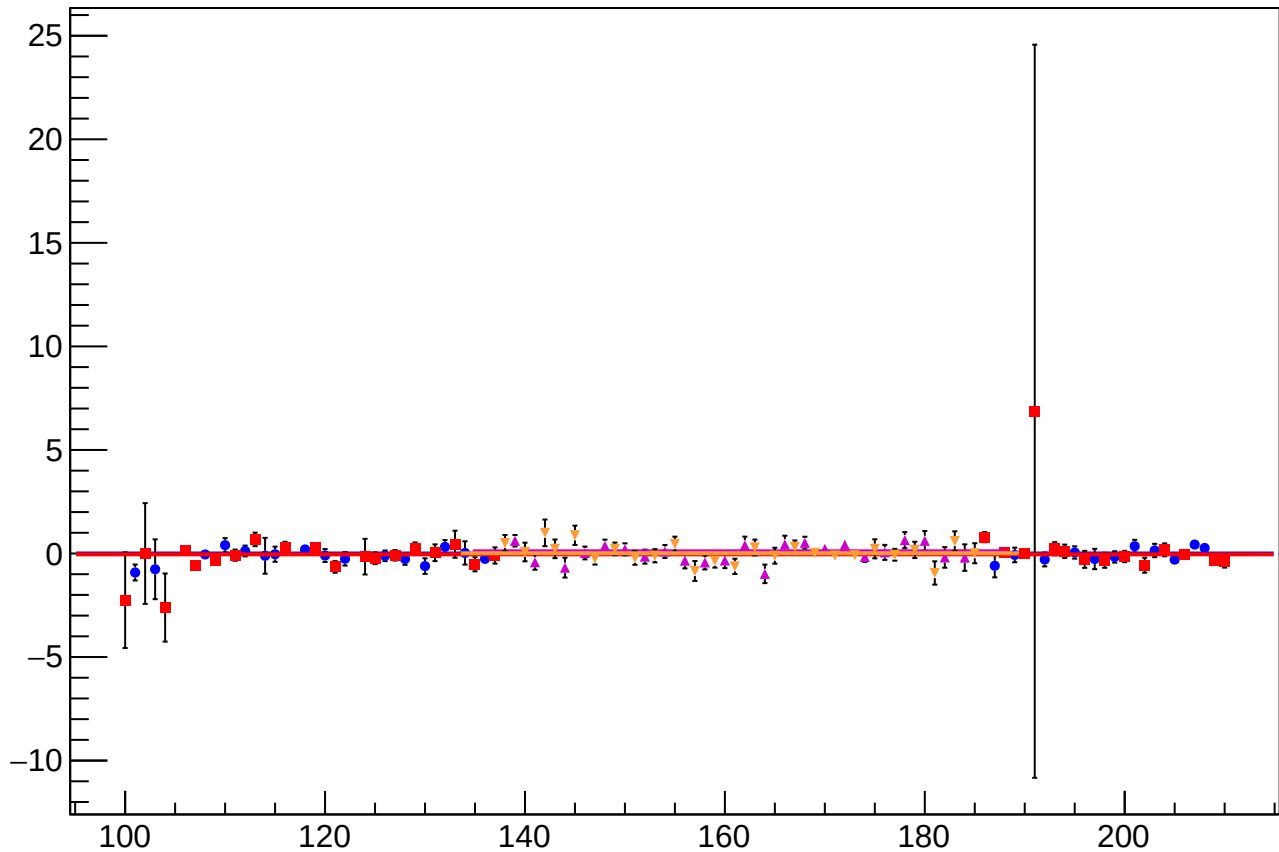
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8144305.6/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 18995537.2/51

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 40525471.0/107

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 21320018.5/55

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.056 $\chi^2/\text{NDF}: 29.5/26$

Left Out: 0.012 ± 0.068 $\chi^2/\text{NDF}: 25.2/24$

Right Out: -0.042 ± 0.048 $\chi^2/\text{NDF}: 48.1/32$

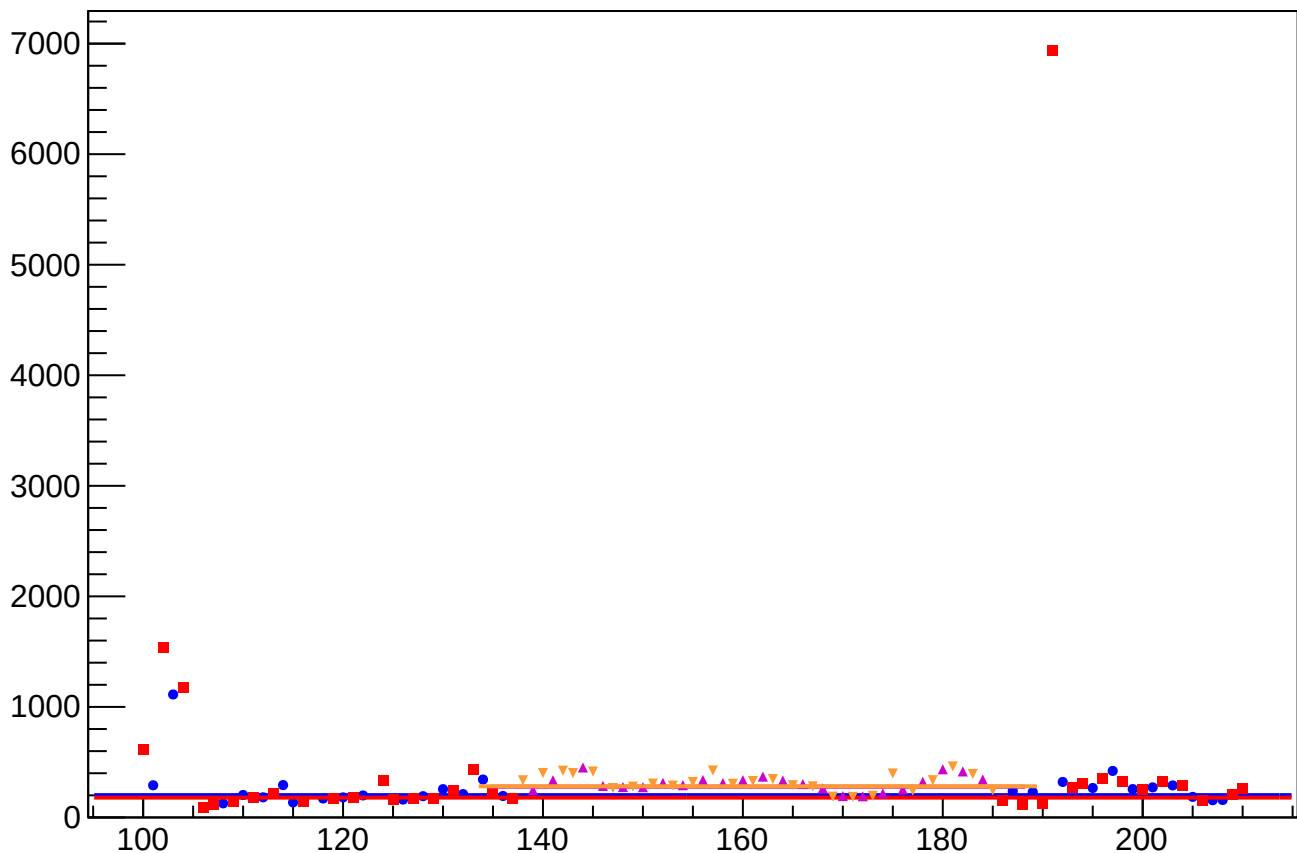
Left In: 0.105 ± 0.069 $\chi^2/\text{NDF}: 31.4/22$

+ sign 0.003 ± 0.043 $\chi^2/\text{NDF}: 54.7/51$

All: 0.005 ± 0.029 $\chi^2/\text{NDF}: 137.4/107$

- sign 0.007 ± 0.040 $\chi^2/\text{NDF}: 82.6/55$

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 202.019 $\pm$ 0.039 χ^2 /NDF: 2888416.1/26

Left Out: 281.820 $\pm$ 0.048 χ^2 /NDF: 2520889.0/24

Right Out: 179.420 $\pm$ 0.034 χ^2 /NDF: 5650646.9/32

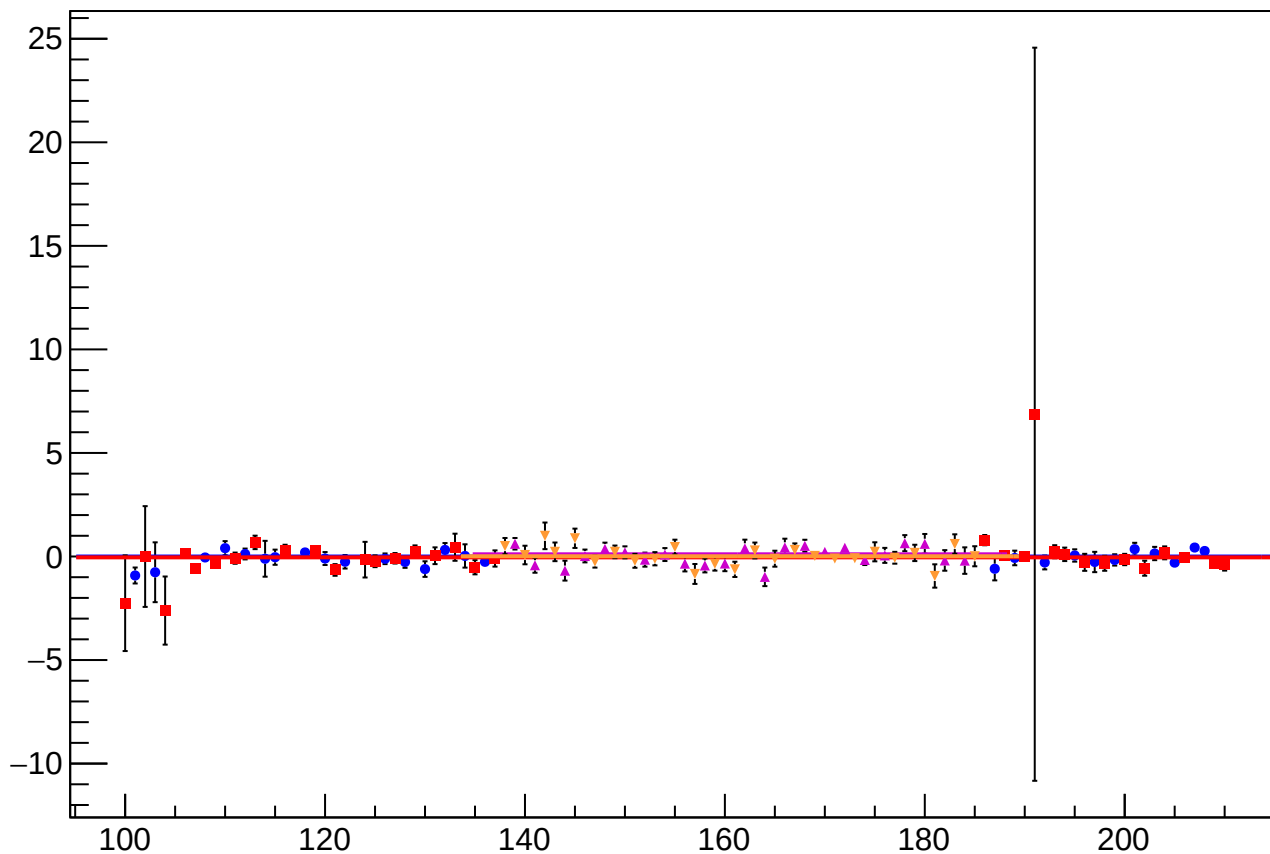
Left In: 278.412 $\pm$ 0.049 χ^2 /NDF: 1799730.1/22

+ sign 233.902 $\pm$ 0.030 χ^2 /NDF: 7060957.5/51

All: 222.192 $\pm$ 0.021 χ^2 /NDF: 17566424.1/10

- sign 212.299 $\pm$ 0.028 χ^2 /NDF: 10231972.4/55

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.056 $\chi^2/\text{NDF}: 29.5/26$

Left Out: 0.012 ± 0.068 $\chi^2/\text{NDF}: 25.2/24$

Right Out: -0.042 ± 0.048 $\chi^2/\text{NDF}: 48.1/32$

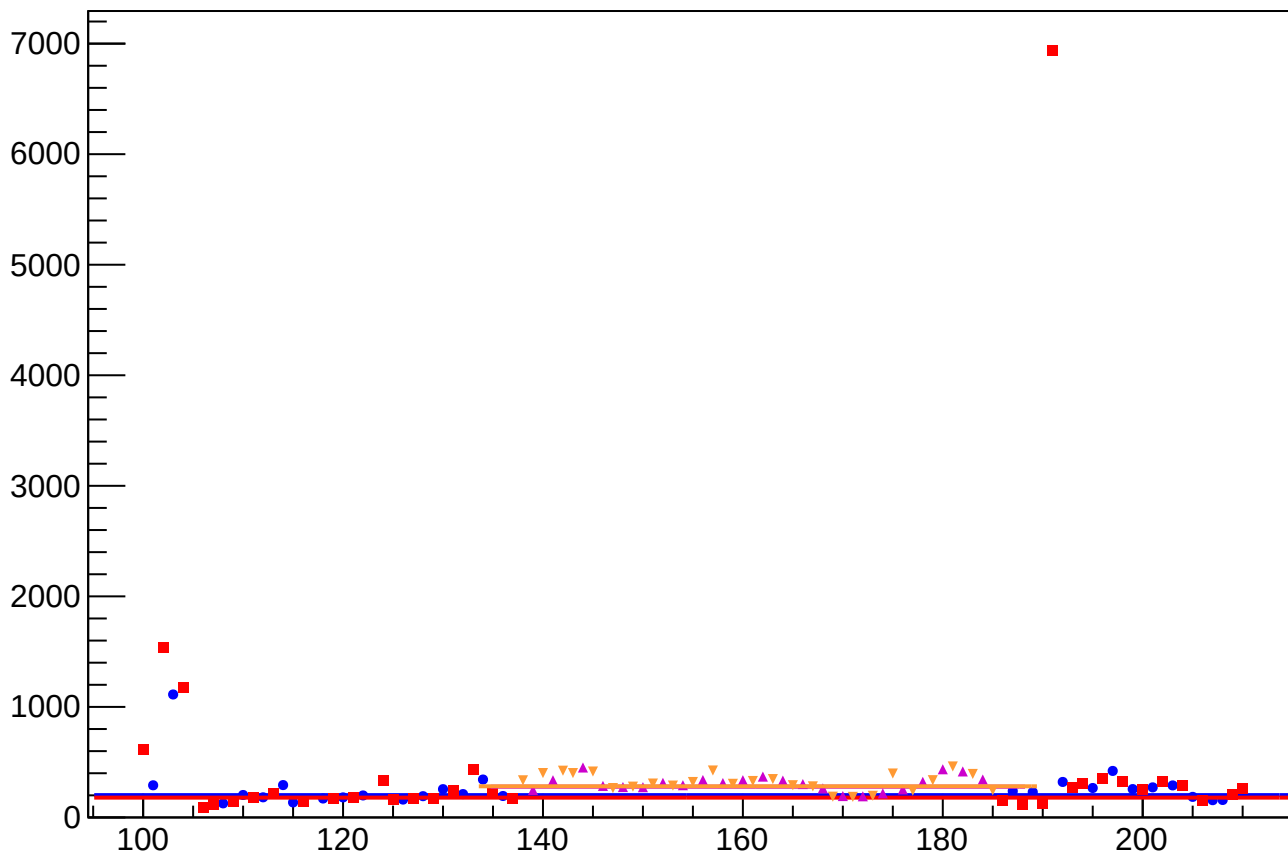
Left In: 0.105 ± 0.069 $\chi^2/\text{NDF}: 31.4/22$

+ sign 0.003 ± 0.043 $\chi^2/\text{NDF}: 54.7/51$

All: 0.005 ± 0.029 $\chi^2/\text{NDF}: 137.4/107$

- sign 0.007 ± 0.040 $\chi^2/\text{NDF}: 82.6/55$

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 202.019+/-0.039 χ^2/NDF : 2888416.1/26

Left Out: 281.820+/-0.048 χ^2/NDF : 2520889.0/24

Right Out: 179.420+/-0.034 χ^2/NDF : 5650646.9/32

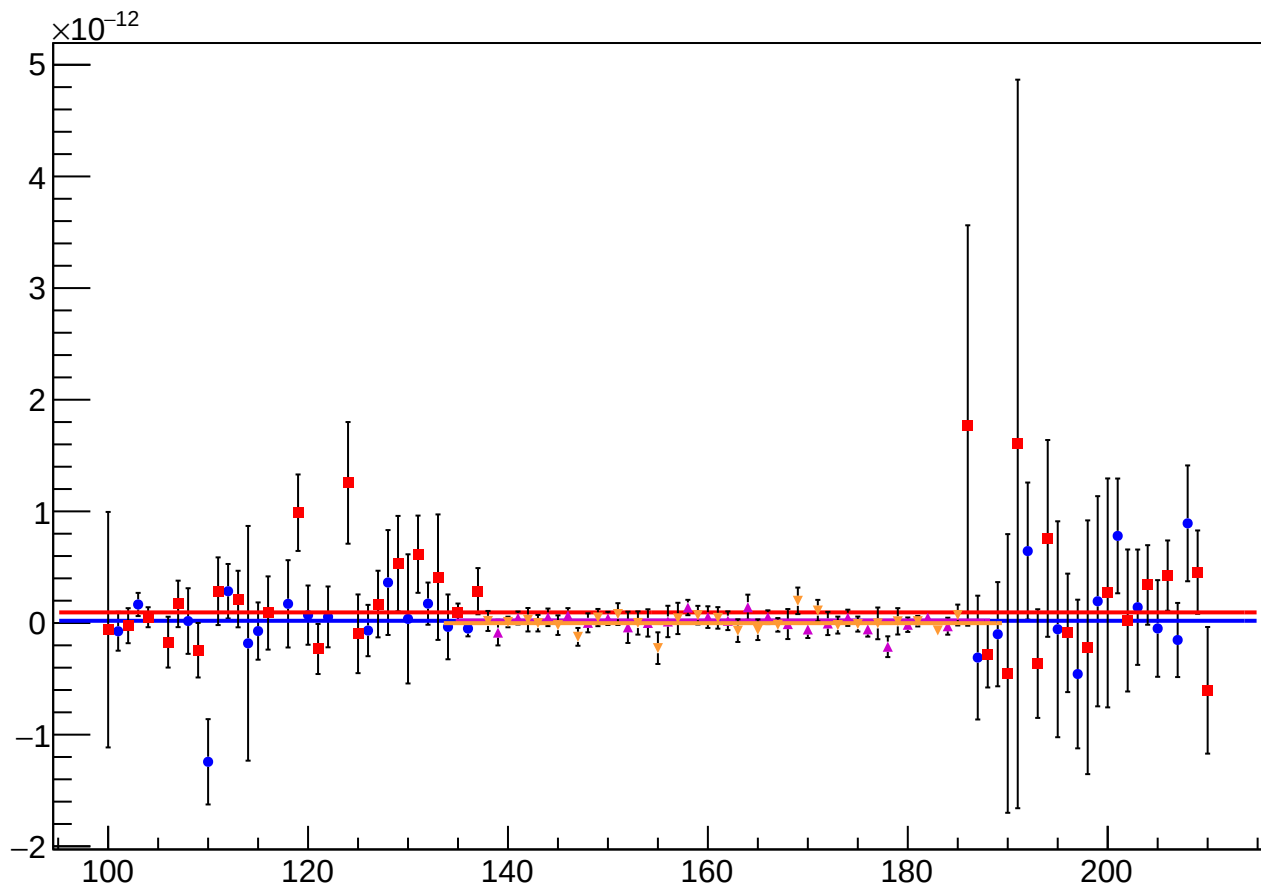
Left In: 278.412+/-0.049 χ^2/NDF : 1799730.1/22

+ sign 233.902+/-0.030 χ^2/NDF : 7060957.5/51

All: 222.192+/-0.021 χ^2/NDF : 17566424.1/10

- sign 212.299+/-0.028 χ^2/NDF : 10231972.4/55

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:15.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.8/32

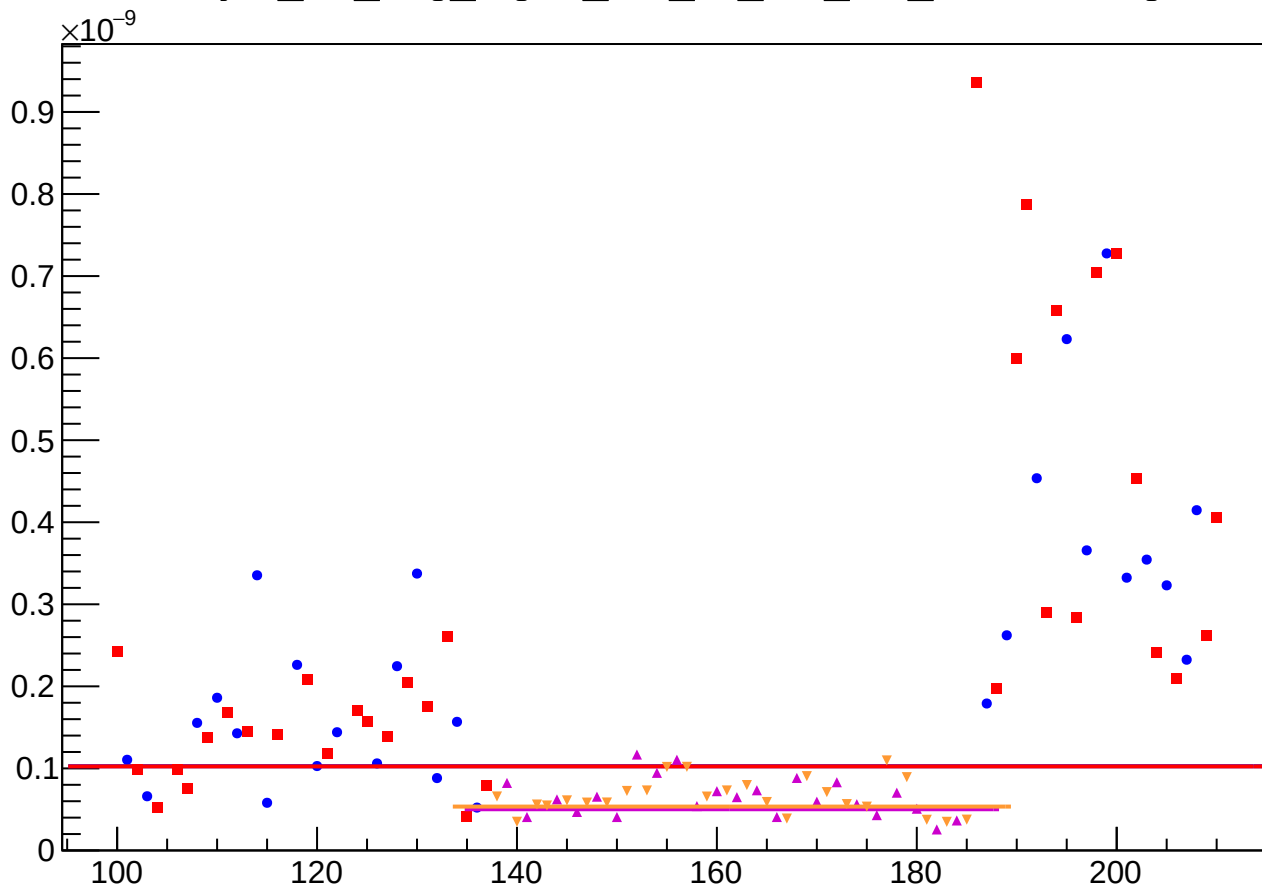
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.0/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 93.4/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 51.2/55

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7574985.0/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8443032.0/32

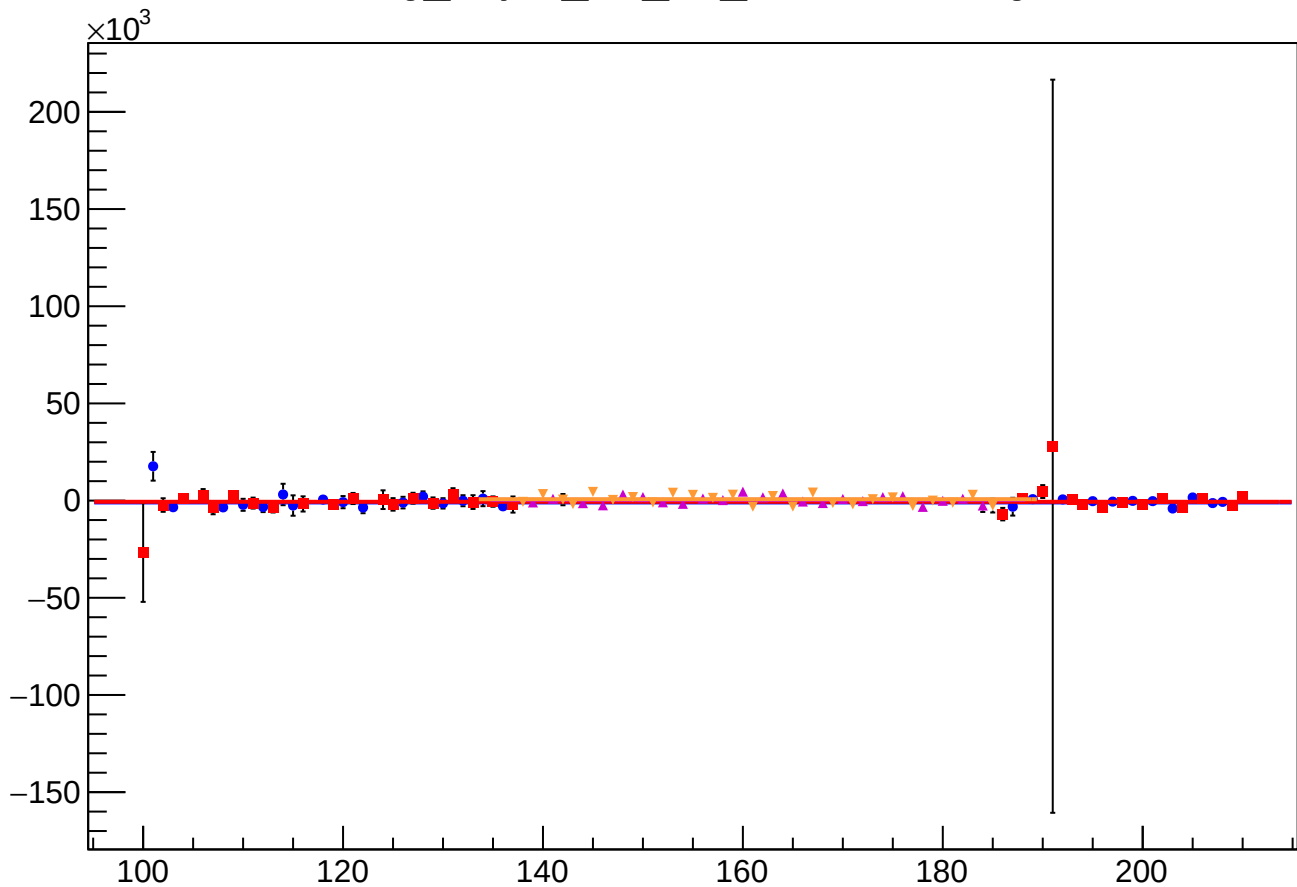
Left In: 0.000+/-0.000 χ^2/NDF : 3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 12597345.6/51

All: 0.000+/-0.000 χ^2/NDF : 27115071.8/107

- sign 0.000+/-0.000 χ^2/NDF : 14481340.1/55

reg_asym_atr_dd_mean vs Slug



Right In: -942.098 ± 486.884 χ^2/NDF : 19.5/26

Left Out: 705.742 ± 415.383 χ^2/NDF : 31.9/24

Right Out: -611.539 ± 459.485 χ^2/NDF : 25.9/32

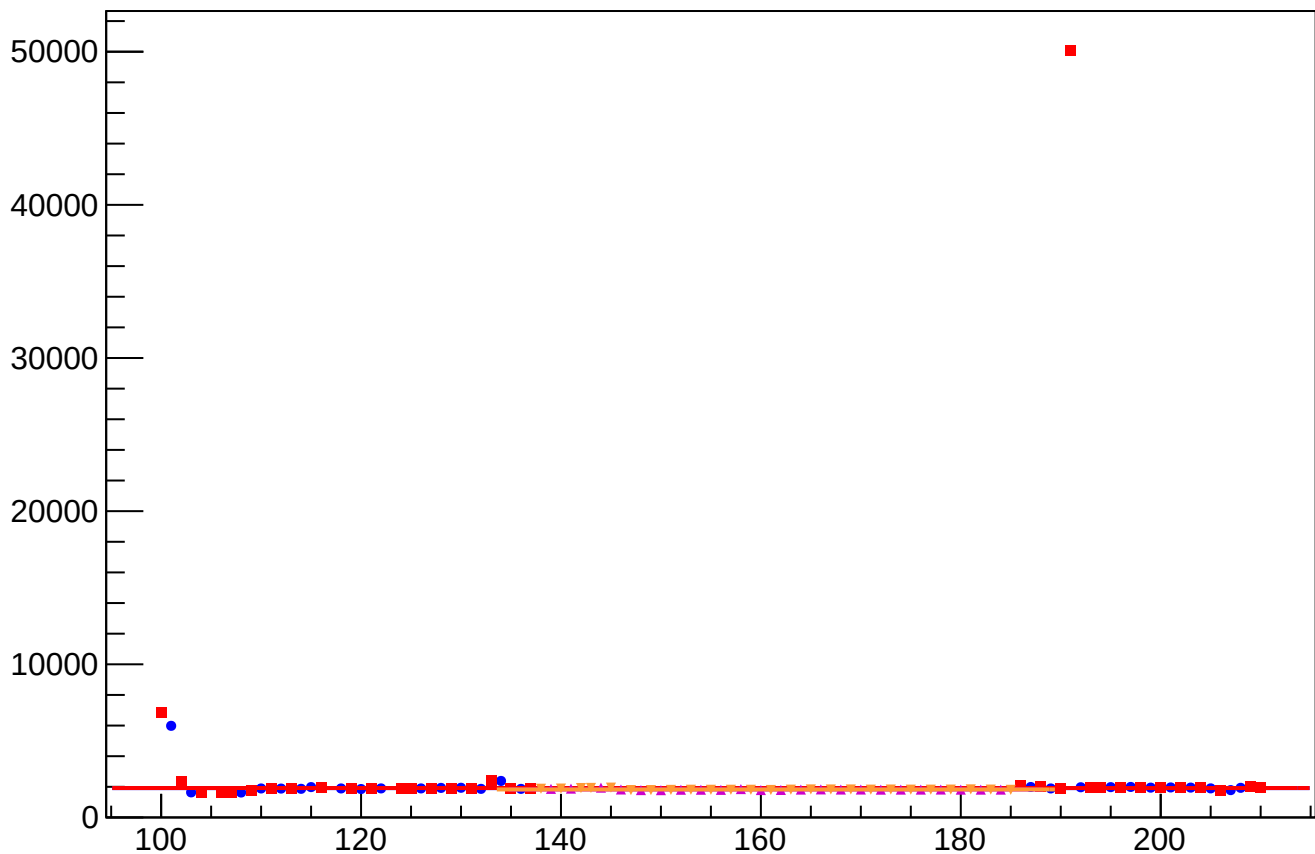
Left In: 403.144 ± 426.215 χ^2/NDF : 20.7/22

+ sign 11.591 ± 316.006 χ^2/NDF : 58.1/51

All: -27.708 ± 222.193 χ^2/NDF : 107.4/107

- sign -66.135 ± 312.480 χ^2/NDF : 49.3/55

reg_asym_atr_dd_rms vs Slug



Right In: 1915.977 $\pm$ 0.344 χ^2 /NDF: 716601.3/26

Left Out: 1828.243 $\pm$ 0.294 χ^2 /NDF: 19329.0/24

Right Out: 1921.312 $\pm$ 0.324 χ^2 /NDF: 391058.4/32

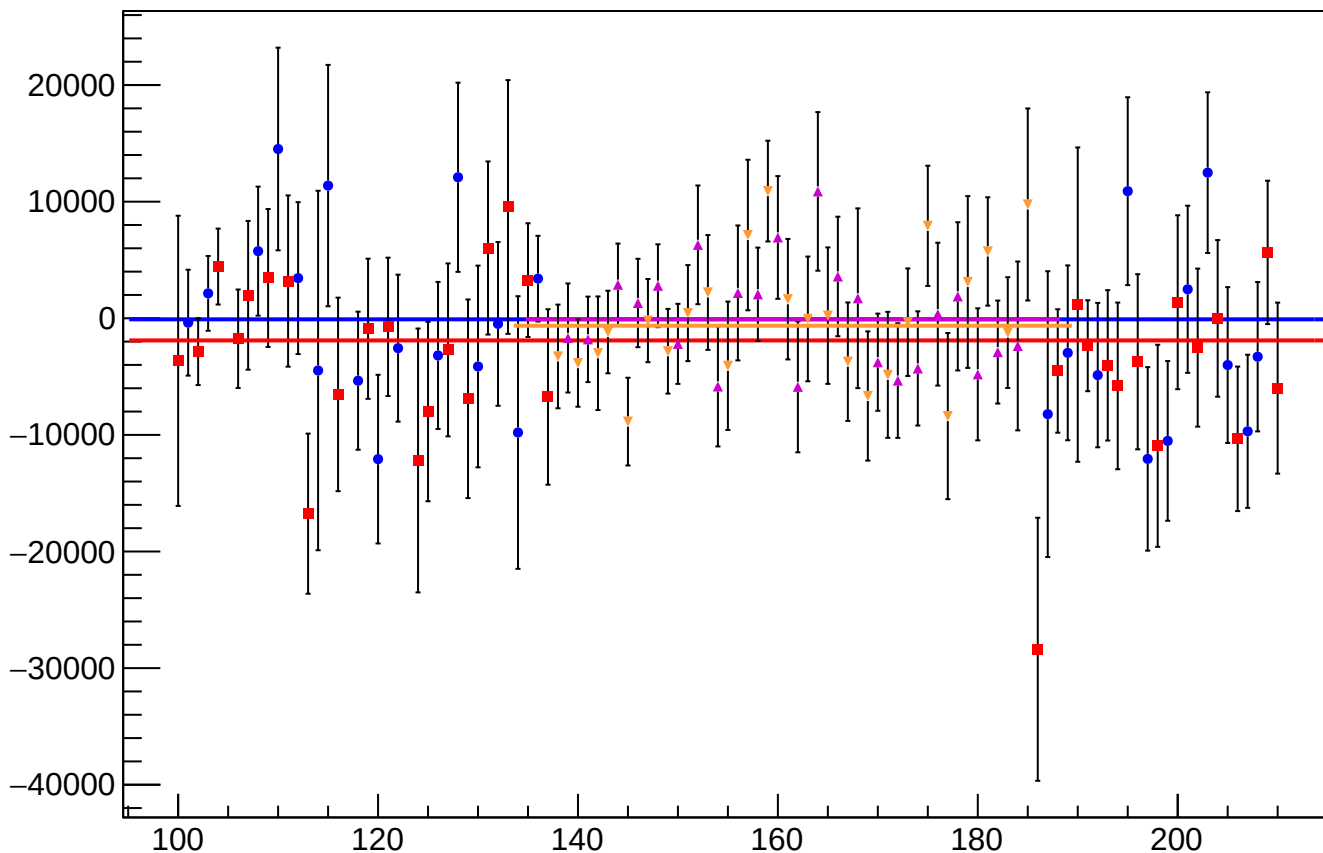
Left In: 1825.165 $\pm$ 0.301 χ^2 /NDF: 13360.2/22

+ sign 1865.201 $\pm$ 0.223 χ^2 /NDF: 773514.7/51

All: 1867.478 $\pm$ 0.157 χ^2 /NDF: 1225282.9/10

- sign 1869.701 $\pm$ 0.221 χ^2 /NDF: 451563.0/55

asym_atr_dd_reg_correction_mean vs Slug



Right In: -90.658 ± 1220.816 χ^2/NDF : 27.9/26

Left Out: -637.703 ± 946.866 χ^2/NDF : 26.0/24

Right Out: -1899.159 ± 1049.580 χ^2/NDF : 27.6/32

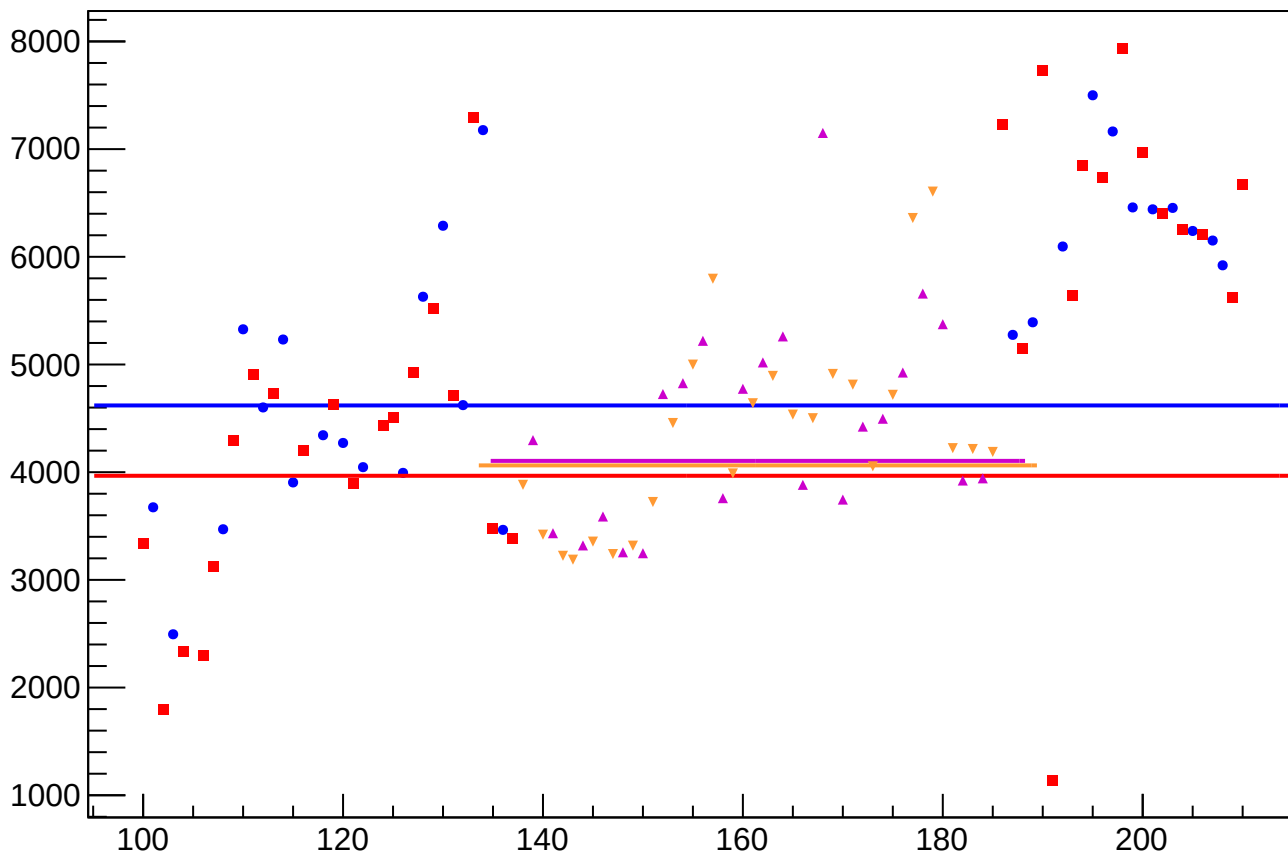
Left In: -75.764 ± 980.243 χ^2/NDF : 15.4/22

+ sign -432.229 ± 748.200 χ^2/NDF : 54.0/51

All: -689.440 ± 517.446 χ^2/NDF : 98.9/107

- sign -925.249 ± 716.396 χ^2/NDF : 44.6/55

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4619.752 $\pm$ 0.863 χ^2 /NDF: 2850570.0/26

Left Out: 4063.108 $\pm$ 0.670 χ^2 /NDF:1405036.2/24

Right Out: 3966.652 $\pm$ 0.742 χ^2 /NDF: 6561758.8/32

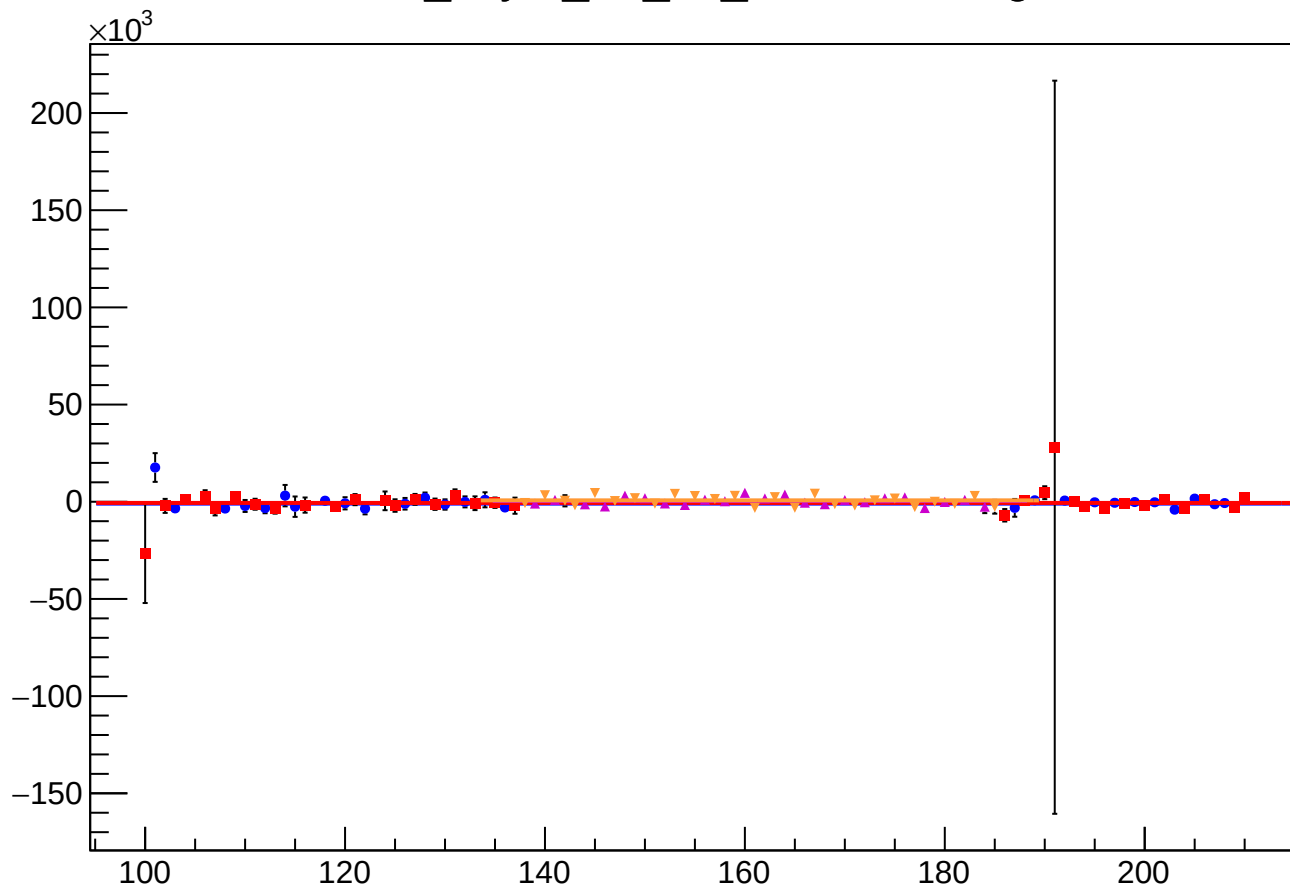
Left In: 4105.057 $\pm$ 0.693 χ^2 /NDF:1359493.1/22

+ sign 4272.188 $\pm$ 0.529 χ^2 /NDF: 4515228.0/51

All: 4151.355 $\pm$ 0.366 χ^2 /NDF: 12555041.4/1

- sign 4040.577 $\pm$ 0.507 χ^2 /NDF: 7939827.7/55

cor_asym_atr_dd_mean vs Slug



Right In: -942.311 ± 486.884 $\chi^2/\text{NDF}: 19.5/26$

Left Out: 705.801 ± 415.383 $\chi^2/\text{NDF}: 31.9/24$

Right Out: -607.370 ± 459.750 $\chi^2/\text{NDF}: 25.9/32$

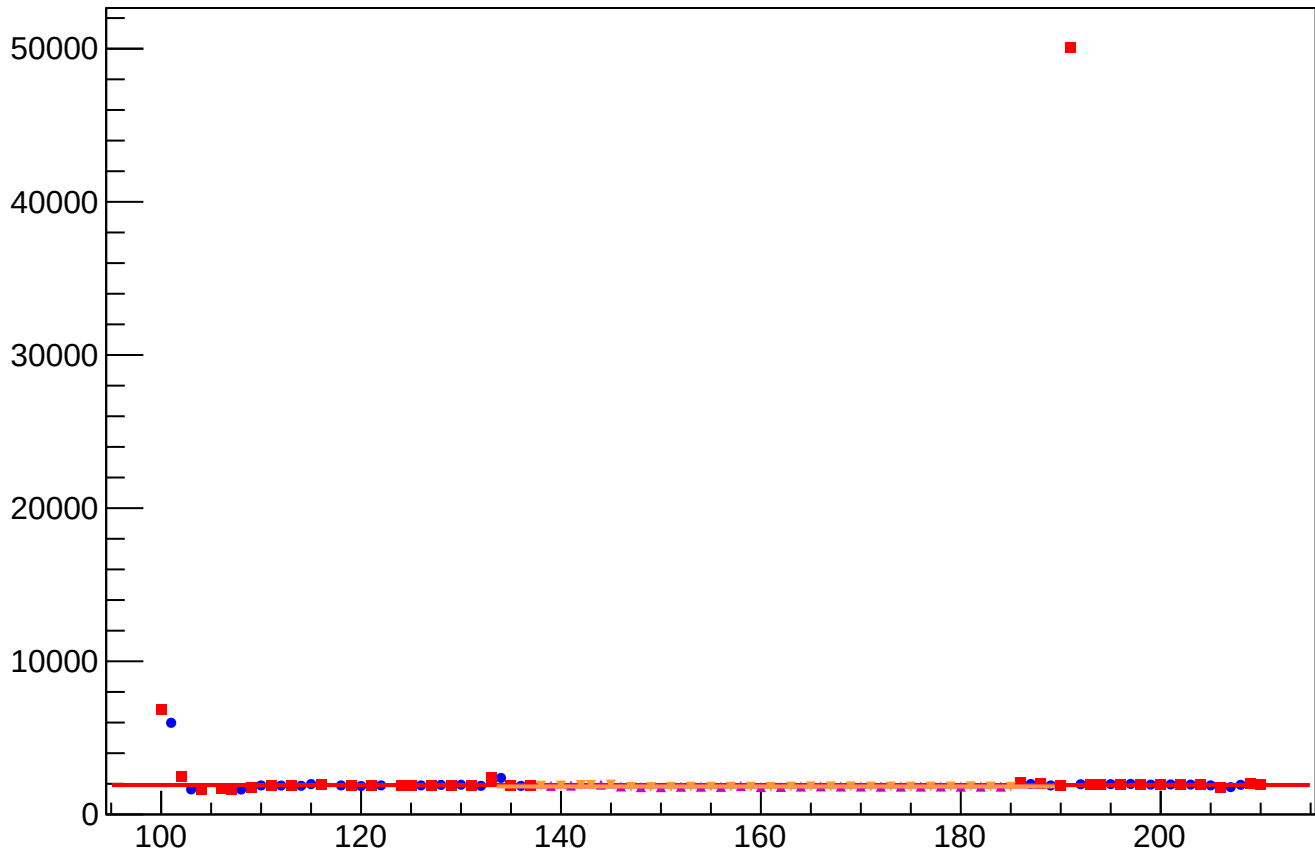
Left In: 402.981 ± 426.215 $\chi^2/\text{NDF}: 20.8/22$

+ sign 11.536 ± 316.006 $\chi^2/\text{NDF}: 58.0/51$

All: -26.649 ± 222.223 $\chi^2/\text{NDF}: 107.3/107$

- sign -64.006 ± 312.563 $\chi^2/\text{NDF}: 49.2/55$

cor_asym_atr_dd_rms vs Slug



Right In: 1915.977+/-0.344 χ^2/NDF : 716601.5/26

Left Out: 1828.243+/-0.294 χ^2/NDF :19329.0/24

Right Out: 1924.331 ± 0.325 χ^2/NDF : 397429.5/32

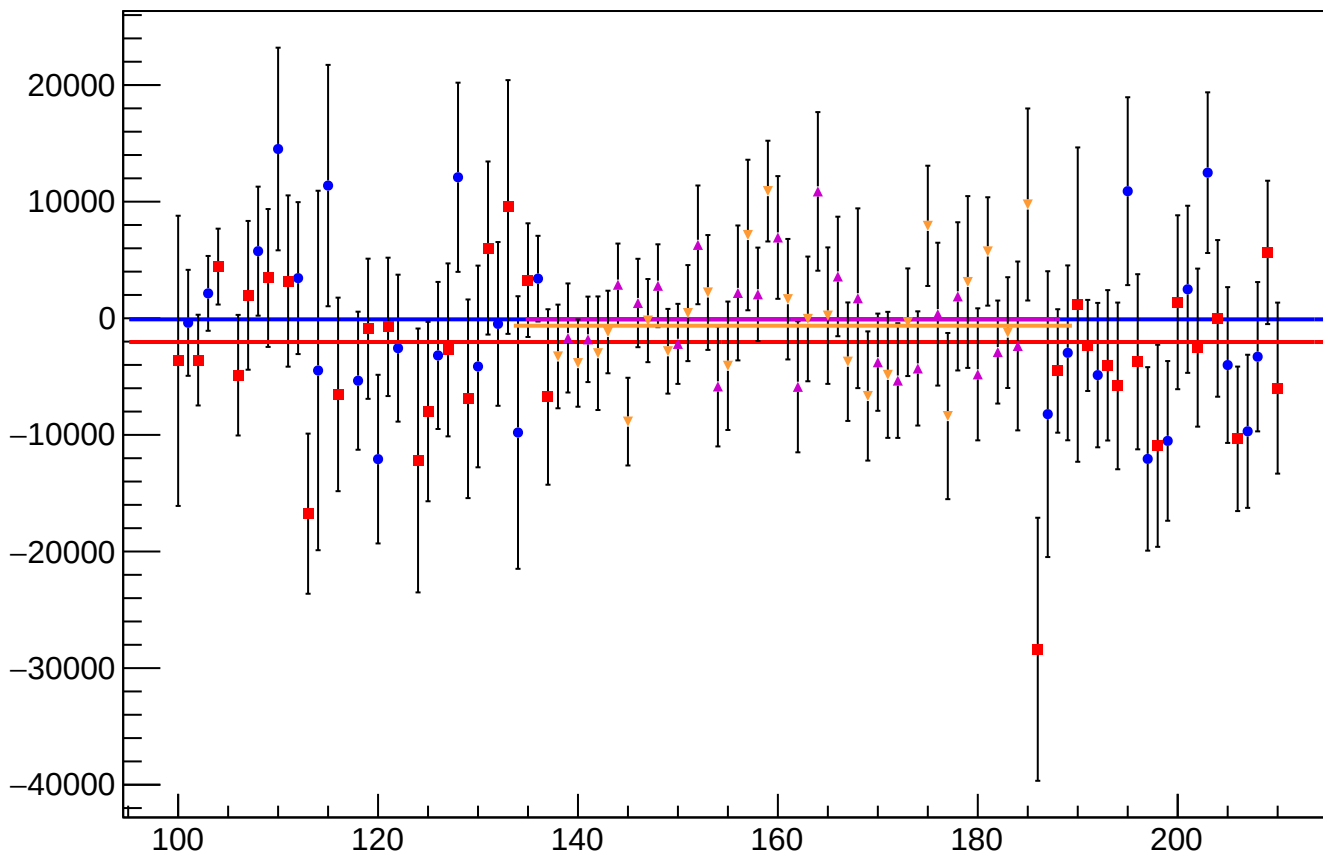
Left In: 1825.165+/-0.301 χ^2/NDF :13360.2/22

+ sign 1865.201+/-0.223 χ^2/NDF : 773514.7/51

All: 1868.149+/-0.157 χ^2/NDF : 1234726.0/10

- sign 1871.032+/-0.221 χ^2/NDF : 460866.9/55

asym_atr_dd_cor_correction_mean vs Slug



Right In: -91.702 ± 1220.913 χ^2/NDF : 27.9/26

Left Out: -637.720 ± 946.866 χ^2/NDF : 26.0/24

Right Out: -2034.317 ± 1095.473 χ^2/NDF : 28.0/32

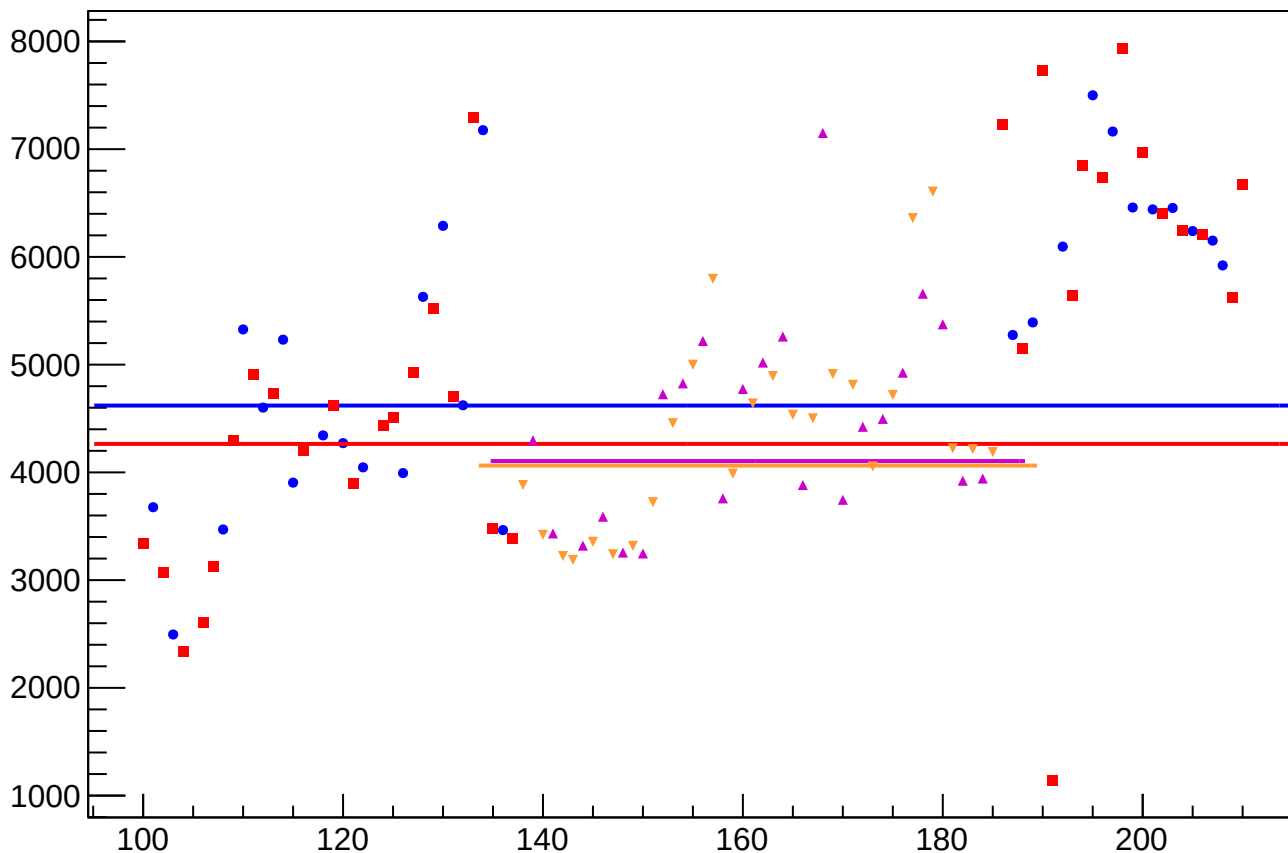
Left In: -75.789 ± 980.241 χ^2/NDF : 15.4/22

+ sign -432.652 ± 748.222 χ^2/NDF : 54.0/51

All: -695.819 ± 522.691 χ^2/NDF : 99.4/107

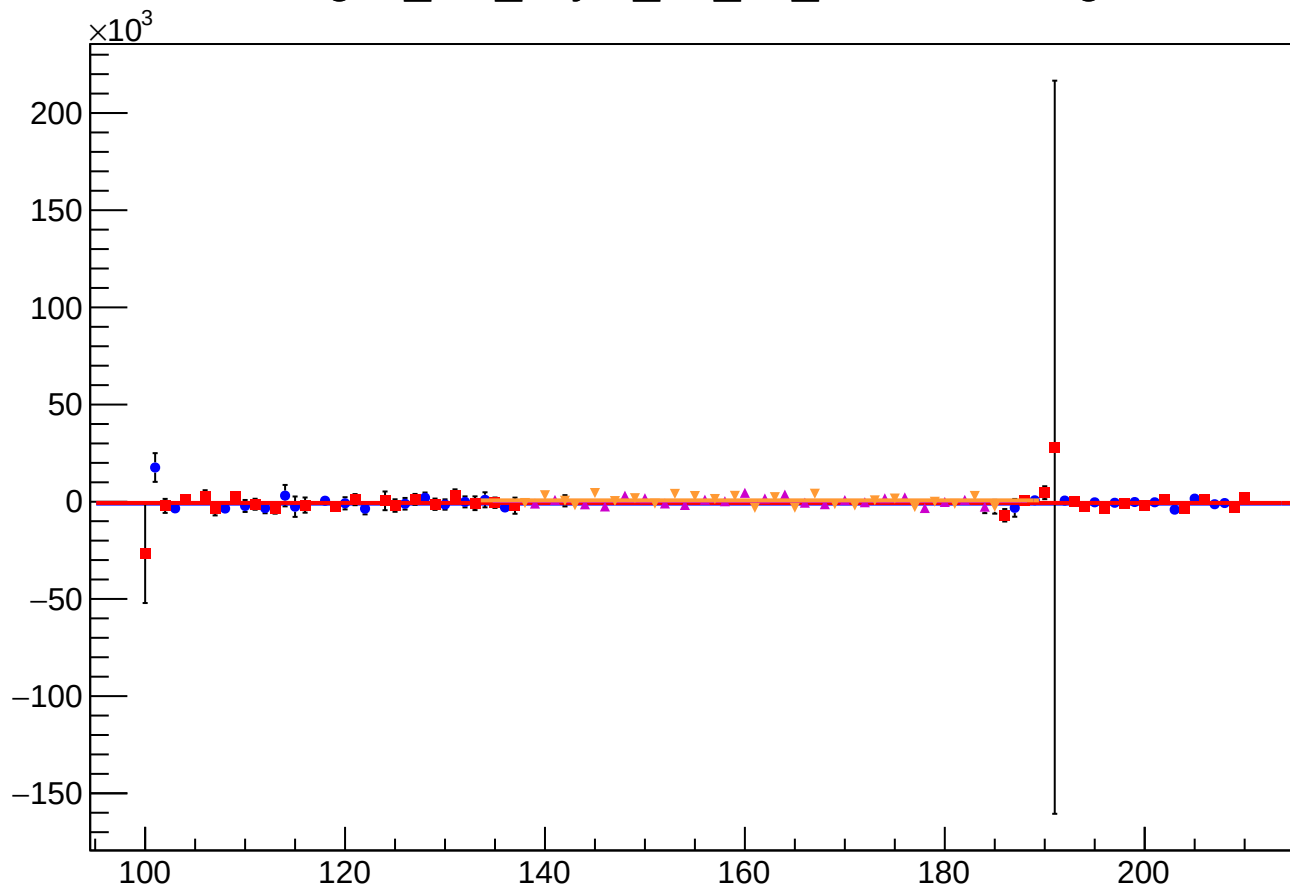
- sign -946.661 ± 730.489 χ^2/NDF : 45.2/55

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4620.235 $\pm$ 0.863	χ^2 /NDF: 2849216.6/26	+ sign 4272.347 $\pm$ 0.529	χ^2 /NDF: 4514296.7/51
Left Out: 4063.106 $\pm$ 0.670	χ^2 /NDF: 1405030.5/24	All: 4222.920 $\pm$ 0.370	χ^2 /NDF: 11111205.0/1
Right Out: 4264.180 $\pm$ 0.775	χ^2 /NDF: 5196923.4/32	- sign 4175.808 $\pm$ 0.517	χ^2 /NDF: 6579862.0/55
Left In: 4105.050 $\pm$ 0.693	χ^2 /NDF: 1359501.9/22		

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -942.311 ± 486.884 χ^2/NDF : 19.5/26

Left Out: 705.801 ± 415.383 χ^2/NDF : 31.9/24

Right Out: -607.370 ± 459.750 χ^2/NDF : 25.9/32

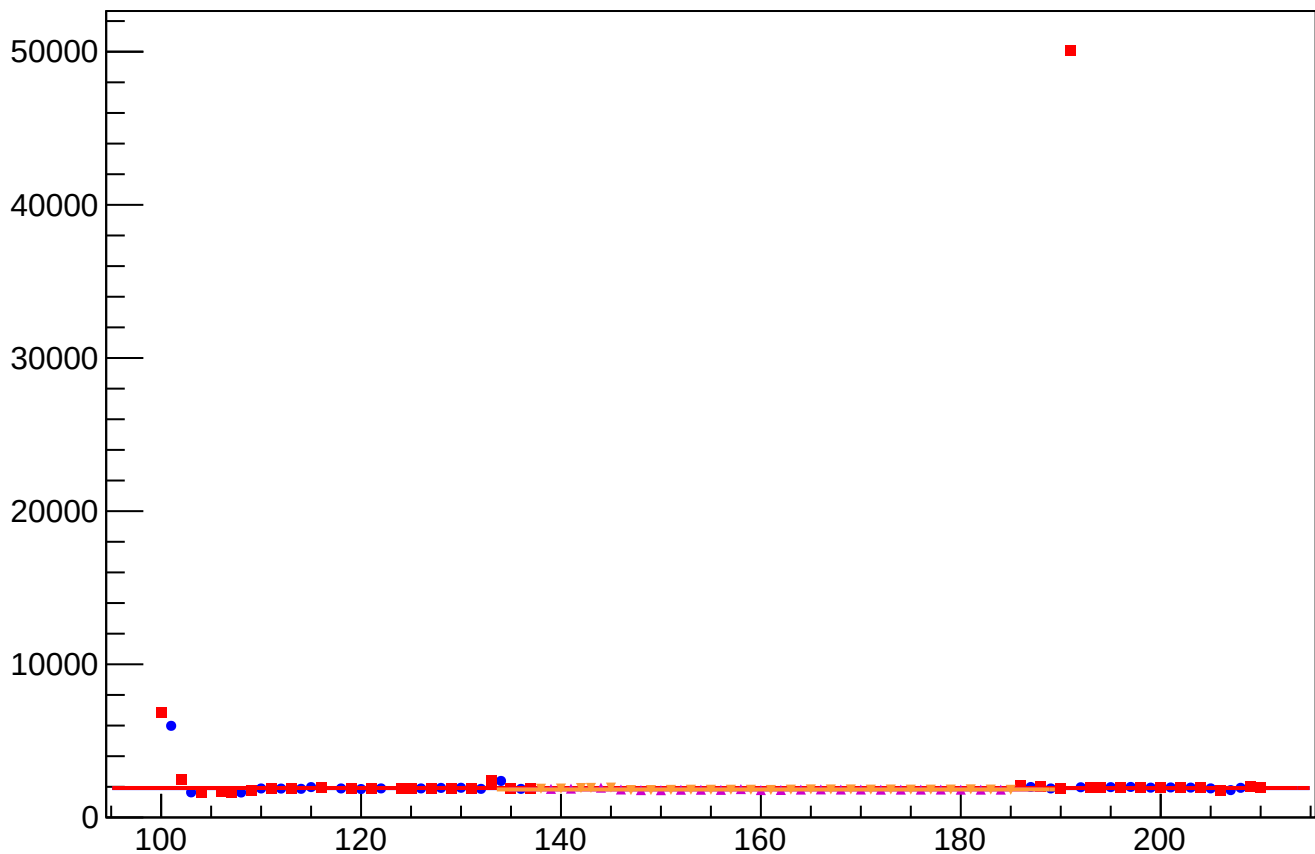
Left In: 402.981 ± 426.215 χ^2/NDF : 20.8/22

+ sign 11.536 ± 316.006 χ^2/NDF : 58.0/51

All: -26.649 ± 222.223 χ^2/NDF : 107.3/107

- sign -64.006 ± 312.563 χ^2/NDF : 49.2/55

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1915.977+/-0.344 χ^2/NDF : 716601.5/26

Left Out: 1828.243+/-0.294 χ^2/NDF :19329.0/24

Right Out: 1924.331 $\pm$ 0.325 χ^2 /NDF: 397429.5/32

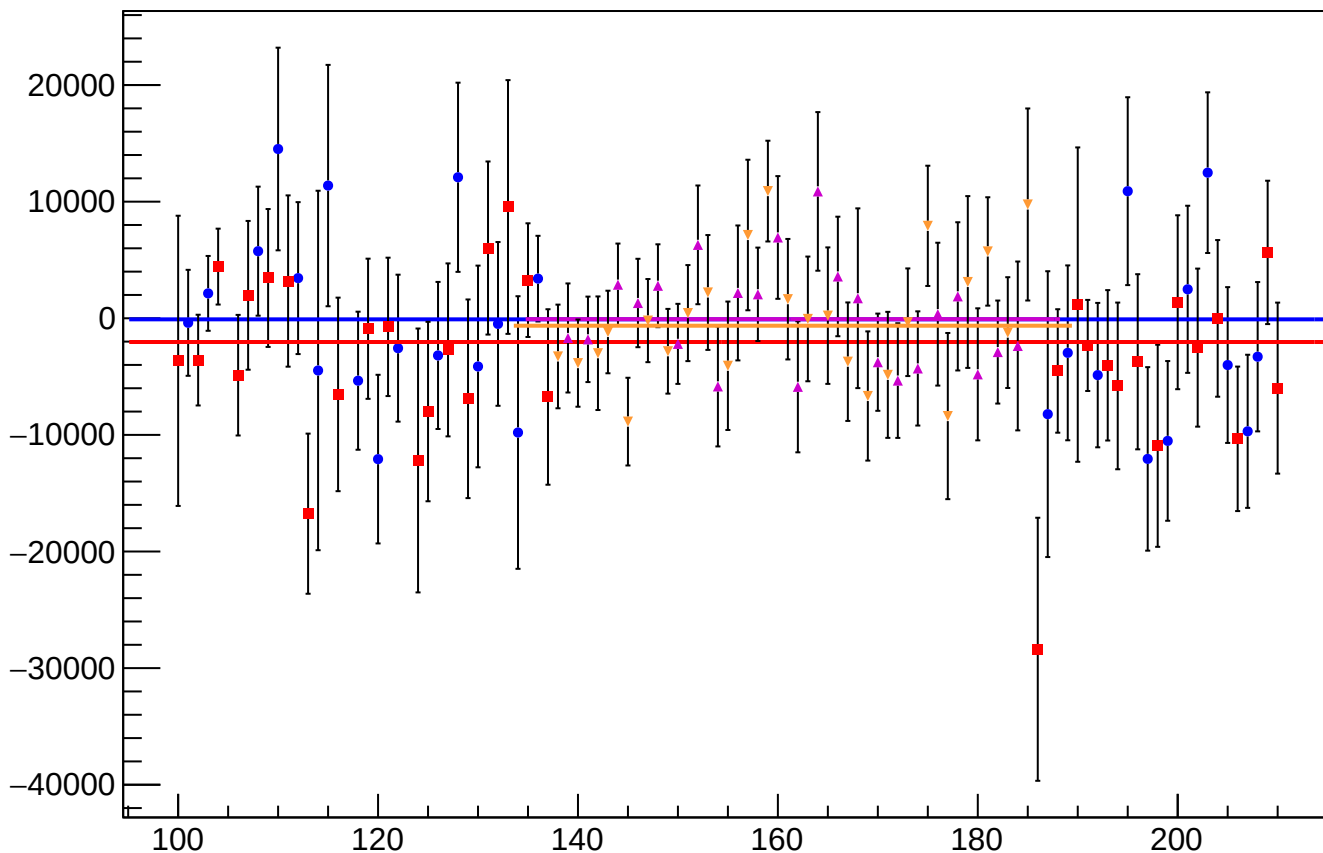
Left In: 1825.165+/-0.301 χ^2/NDF :13360.2/22

+ sign 1865.201+/-0.223 χ^2/NDF : 773514.7/51

All: 1868.149+/-0.157 χ^2/NDF : 1234726.0/10

- sign 1871.032+/-0.221 χ^2/NDF : 460866.9/55

asym_atr_dd_eigen_cor_correction_mean vs Slug



Right In: -91.702 ± 1220.913 χ^2/NDF : 27.9/26

Left Out: -637.720 ± 946.866 χ^2/NDF : 26.0/24

Right Out: -2034.317 ± 1095.473 χ^2/NDF : 28.0/32

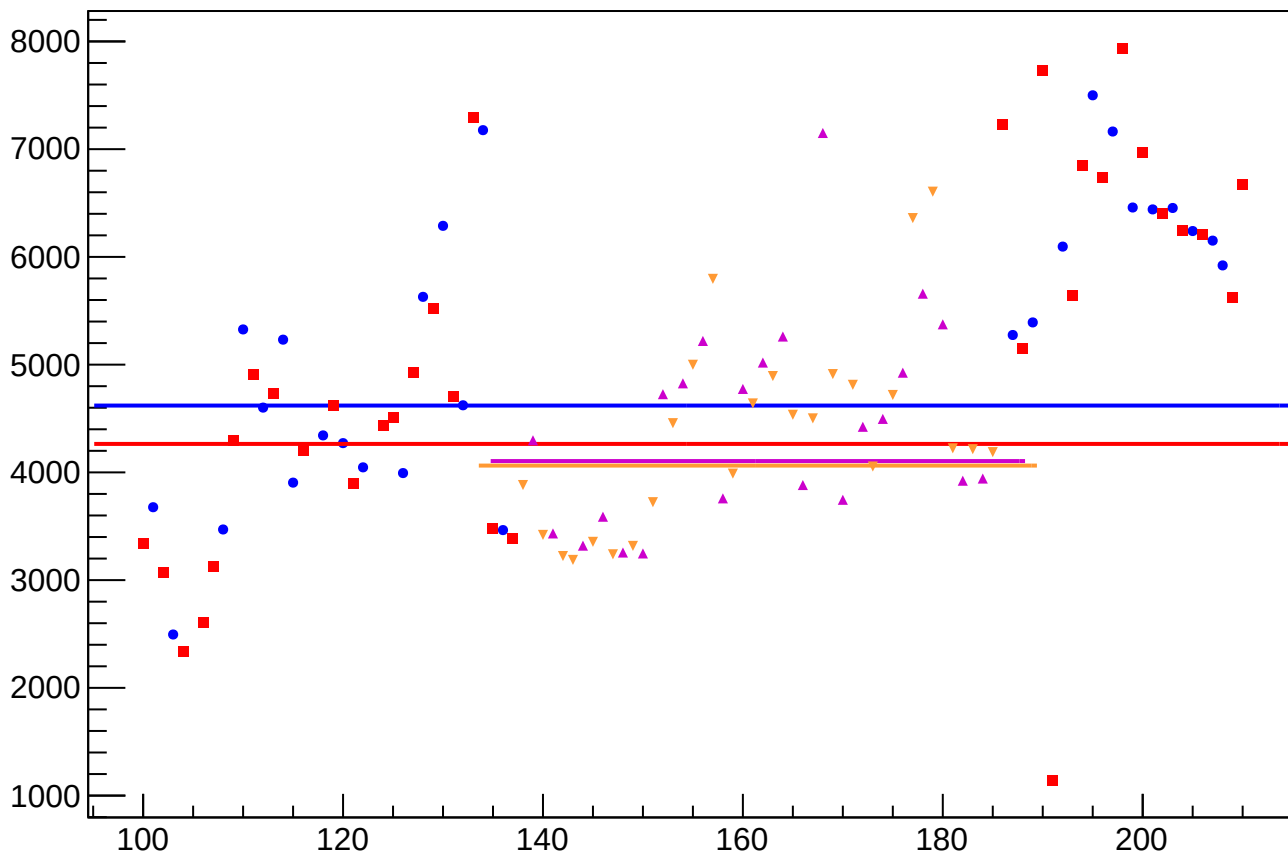
Left In: -75.789 ± 980.241 χ^2/NDF : 15.4/22

+ sign -432.652 ± 748.222 χ^2/NDF : 54.0/51

All: -695.819 ± 522.691 χ^2/NDF : 99.4/107

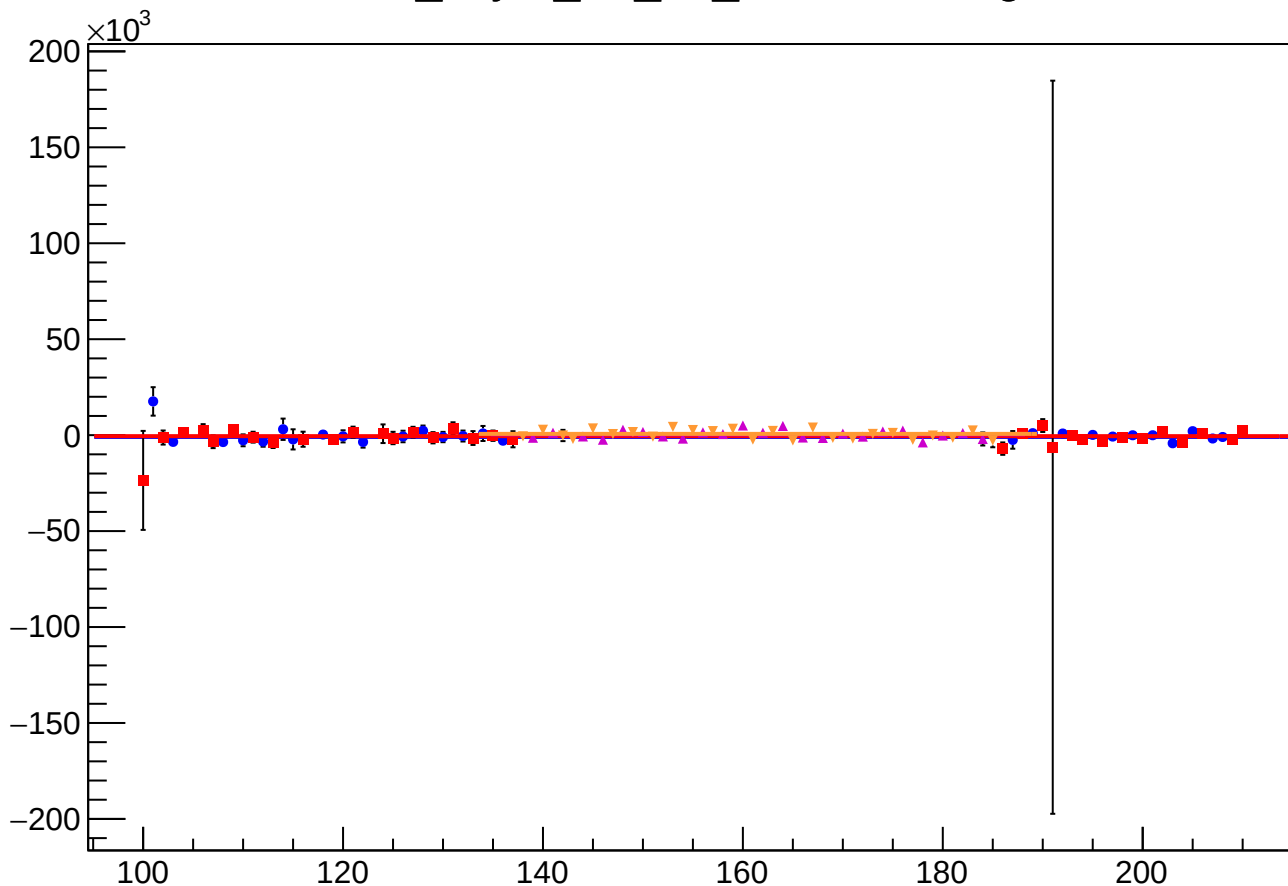
- sign -946.661 ± 730.489 χ^2/NDF : 45.2/55

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4620.235 $\pm$ 0.863	χ^2 /NDF: 2849216.6/26	+ sign 4272.347 $\pm$ 0.529	χ^2 /NDF: 4514296.7/51
Left Out: 4063.106 $\pm$ 0.670	χ^2 /NDF: 1405030.5/24	All: 4222.920 $\pm$ 0.370	χ^2 /NDF: 11111205.0/1
Right Out: 4264.180 $\pm$ 0.775	χ^2 /NDF: 5196923.4/32	- sign 4175.808 $\pm$ 0.517	χ^2 /NDF: 6579862.0/55
Left In: 4105.050 $\pm$ 0.693	χ^2 /NDF: 1359501.9/22		

dit_asym_atr_dd_mean vs Slug



Right In: -922.709 ± 490.996 χ^2/NDF : 21.0/26

Left Out: 657.616 ± 423.063 χ^2/NDF : 27.0/24

Right Out: -530.676 ± 463.965 χ^2/NDF : 27.9/32

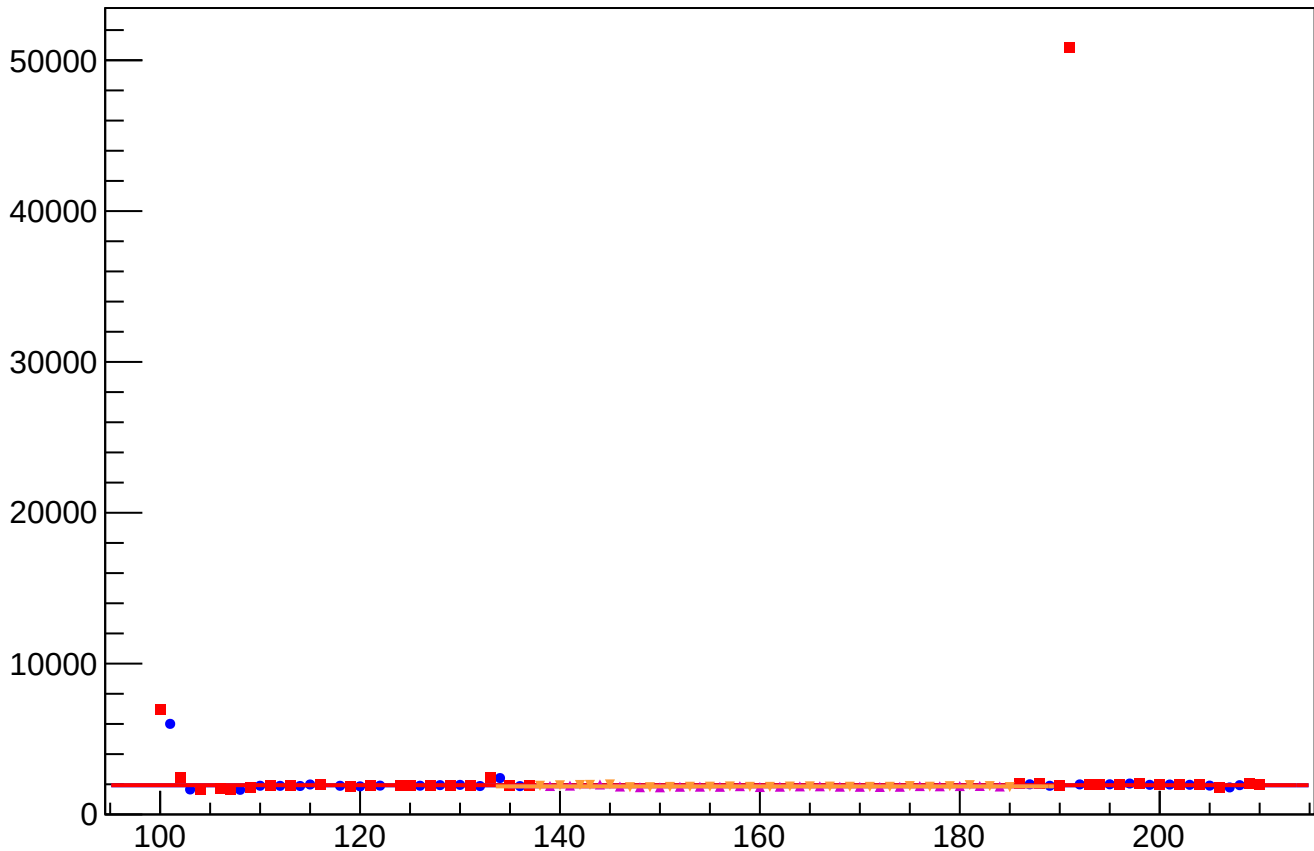
Left In: 410.869 ± 433.856 χ^2/NDF : 23.6/22

+ sign -15.741 ± 320.500 χ^2/NDF : 53.9/51

All: -22.124 ± 225.341 χ^2/NDF : 107.7/107

- sign -28.364 ± 316.892 χ^2/NDF : 53.8/55

dit_asym_atr_dd_rms vs Slug



Right In: 1931.961+/-0.347 χ^2/NDF : 720495.4/26

Left Out: 1861.731+/-0.299 χ^2/NDF : 26014.9/24

Right Out: 1941.427+/-0.328 χ^2/NDF : 406317.7/32

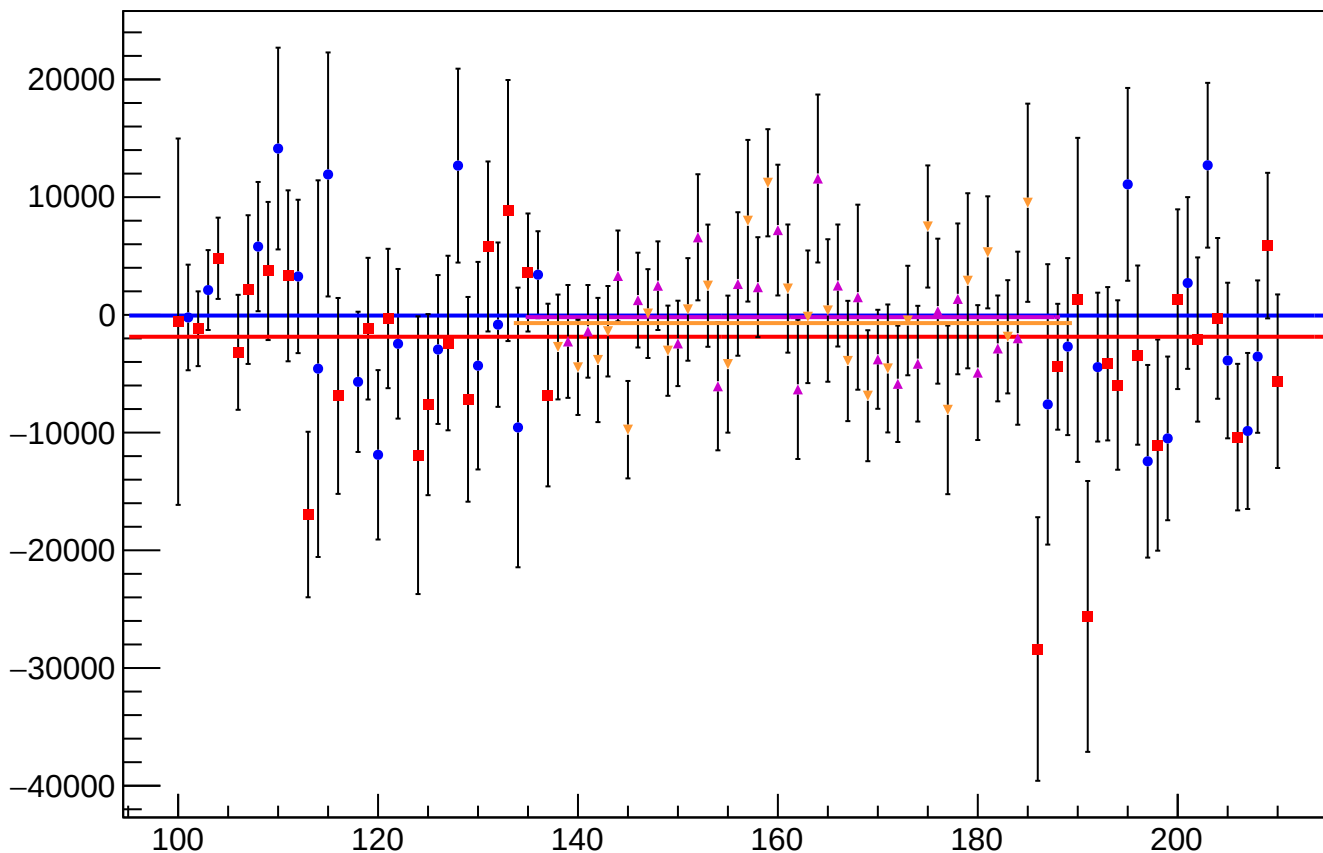
Left In: 1857.661+/-0.307 χ^2/NDF : 16381.0/22

+ sign 1891.655+/-0.227 χ^2/NDF : 769994.0/51

All: 1894.235+/-0.159 χ^2/NDF : 1227746.0/10

- sign 1896.757+/-0.224 χ^2/NDF : 457495.7/55

asym_atr_dd_dit_correction_mean vs Slug



Right In: -58.031 ± 1235.749 χ^2/NDF : 27.8/26

Left Out: -698.287 ± 990.035 χ^2/NDF : 25.3/24

Right Out: -1858.496 ± 1125.056 χ^2/NDF : 31.7/32

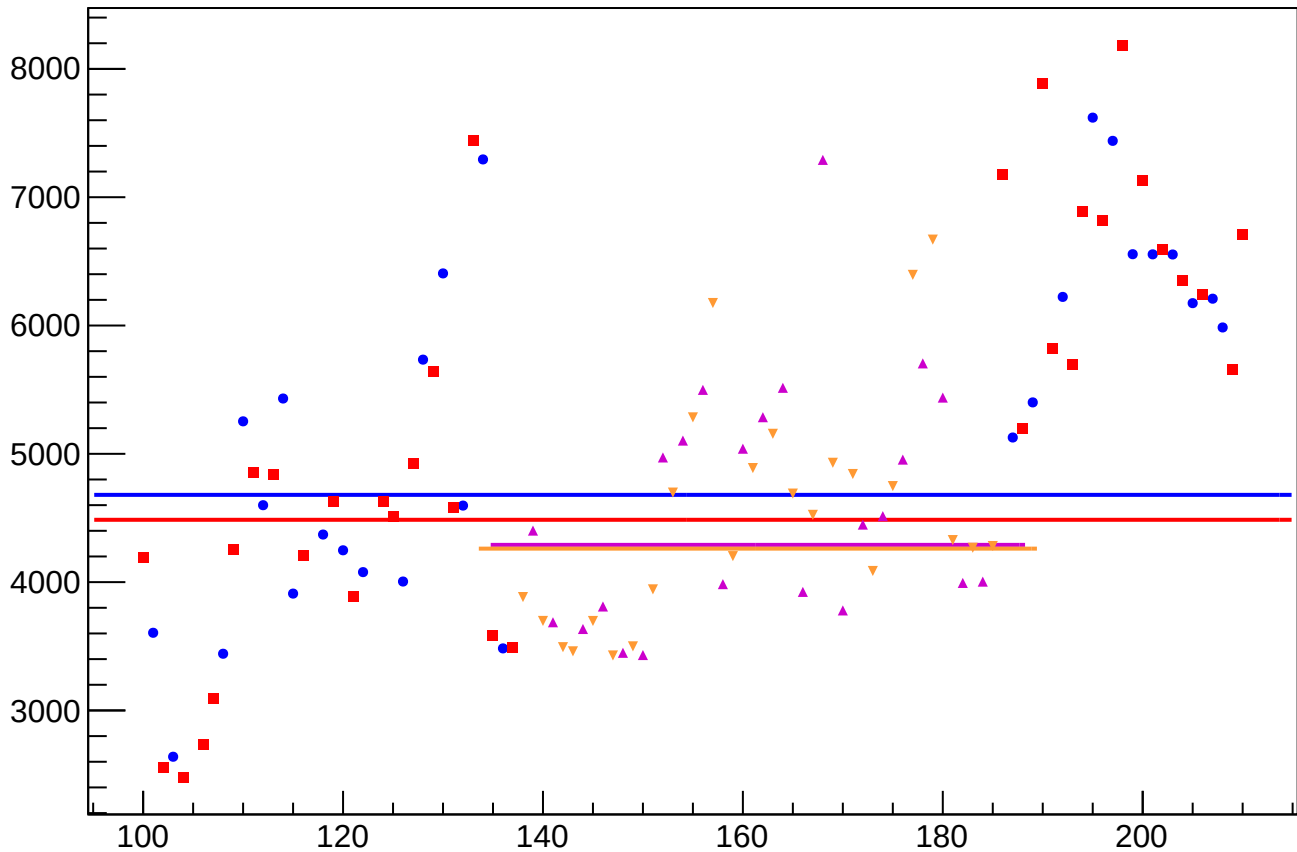
Left In: -192.486 ± 1022.469 χ^2/NDF : 15.2/22

+ sign -447.988 ± 772.649 χ^2/NDF : 53.2/51

All: -702.242 ± 540.607 χ^2/NDF : 101.5/107

- sign -946.088 ± 756.669 χ^2/NDF : 48.1/55

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4680.178+/-0.874 χ^2/NDF : 2770452.7/26

Left Out: 4261.124+/-0.700 χ^2/NDF : 1190561.4/24

Right Out: 4485.882+/-0.796 χ^2/NDF : 4195864.7/32

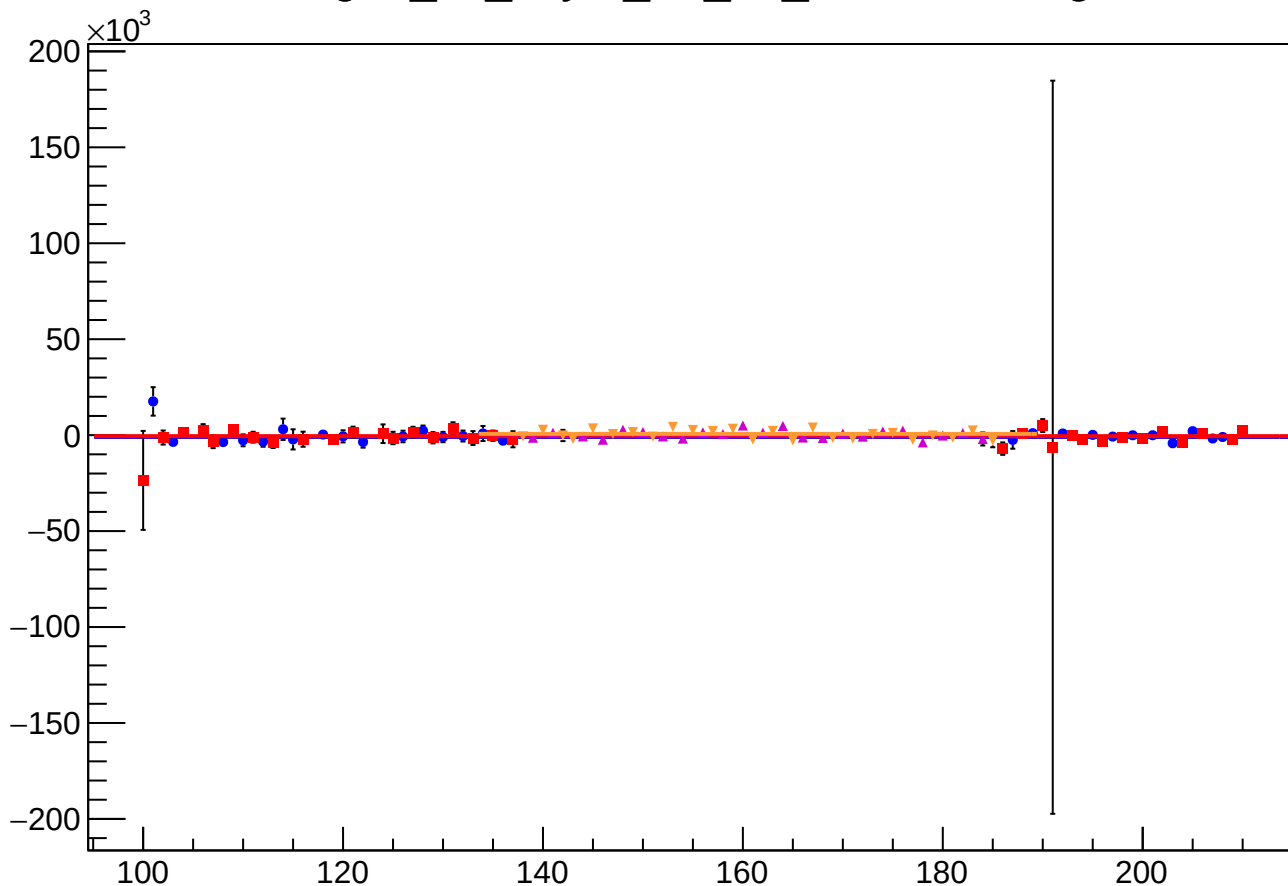
Left In: 4290.398+/-0.723 χ^2/NDF : 1213964.7/22

+ sign 4424.947+/-0.546 χ^2/NDF : 4101093.0/51

All: 4401.403+/-0.382 χ^2/NDF : 9547629.0/10

- sign 4378.823+/-0.535 χ^2/NDF : 5442898.0/55

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -922.709 ± 490.996 χ^2/NDF : 21.0/26

Left Out: 657.622 ± 423.063 χ^2/NDF : 27.0/24

Right Out: -530.674 ± 463.965 χ^2/NDF : 27.9/32

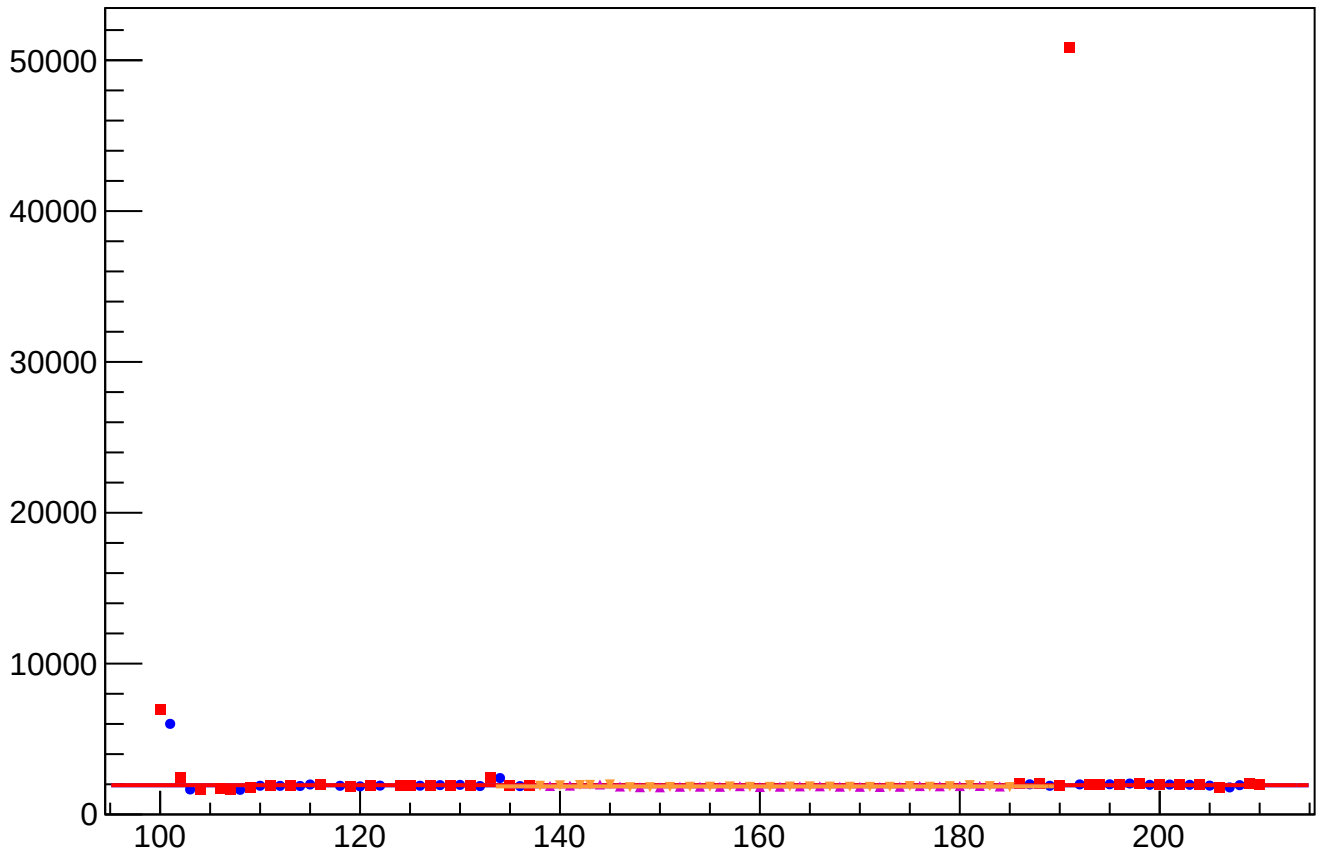
Left In: 410.869 ± 433.856 χ^2/NDF : 23.6/22

+ sign -15.738 ± 320.500 χ^2/NDF : 53.9/51

All: -22.122 ± 225.341 χ^2/NDF : 107.7/107

- sign -28.364 ± 316.892 χ^2/NDF : 53.8/55

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1931.961+/-0.347 χ^2/NDF : 720495.2/26

Left Out: 1861.731+/-0.299 χ^2/NDF : 26014.9/24

Right Out: 1941.427+/-0.328 χ^2/NDF : 406317.9/32

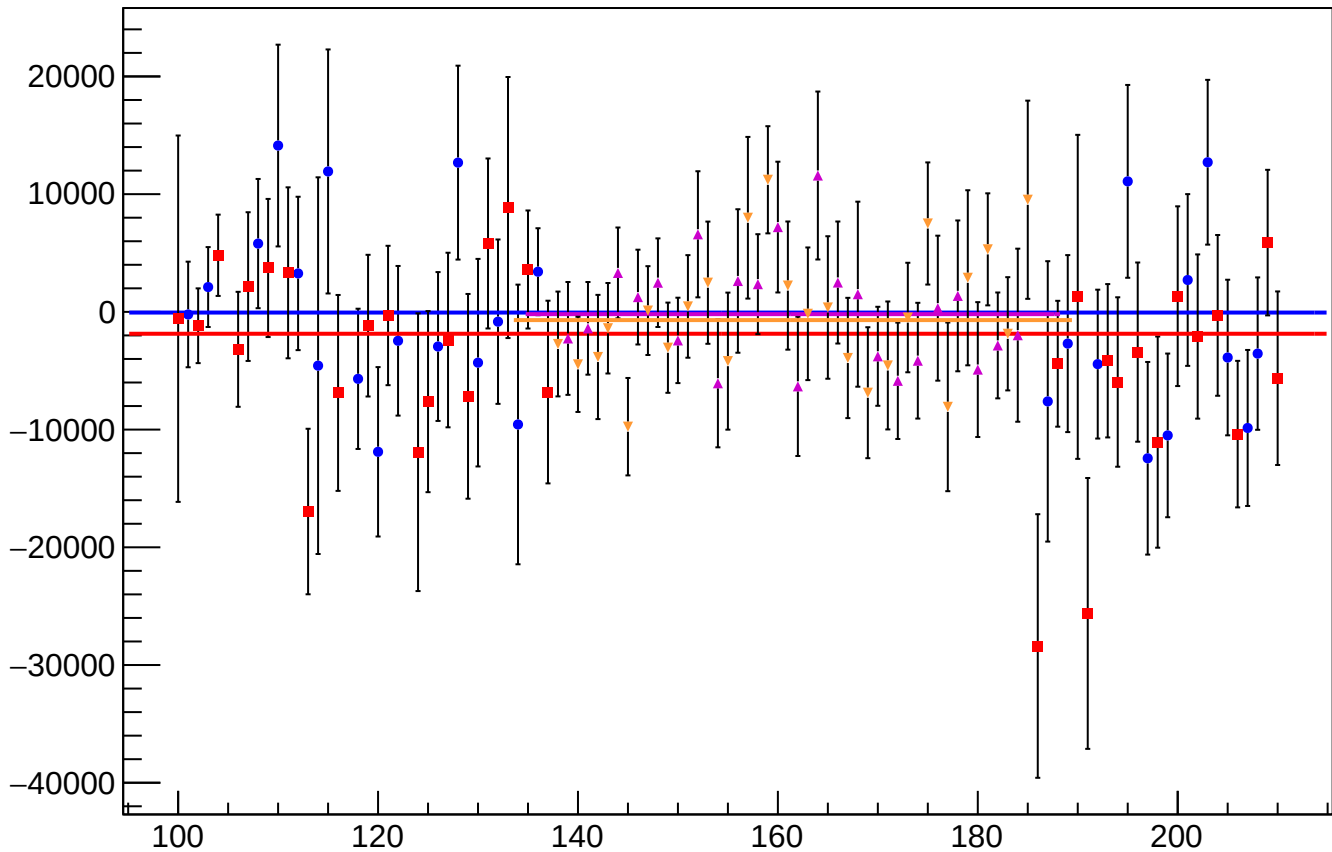
Left In: 1857.661+/-0.307 χ^2/NDF : 16380.9/22

+ sign 1891.655+/-0.227 χ^2/NDF : 769993.5/51

All: 1894.236+/-0.159 χ^2/NDF : 1227745.2/10

- sign 1896.757+/-0.224 χ^2/NDF : 457495.4/55

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: -58.039 ± 1235.748 χ^2/NDF : 27.8/26

Left Out: -698.285 ± 990.036 χ^2/NDF : 25.3/24

Right Out: -1858.494 ± 1125.055 χ^2/NDF : 31.7/32

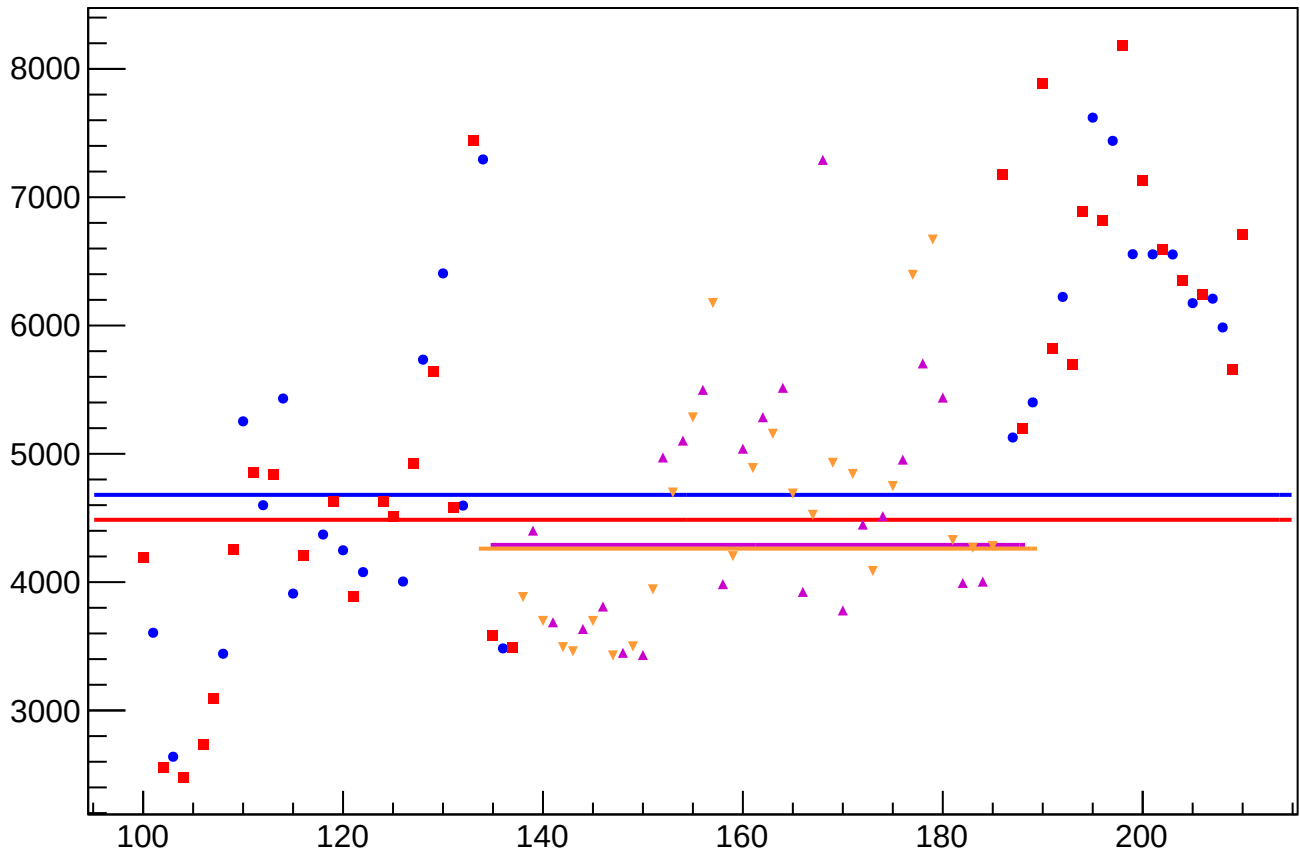
Left In: -192.488 ± 1022.471 χ^2/NDF : 15.2/22

+ sign -447.990 ± 772.650 χ^2/NDF : 53.2/51

All: -702.244 ± 540.608 χ^2/NDF : 101.5/107

- sign -946.089 ± 756.670 χ^2/NDF : 48.1/55

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4680.176 $\pm$ 0.874 χ^2 /NDF: 2770458.1/26

Left Out: 4261.131 $\pm$ 0.700 χ^2 /NDF: 1190564.2/24

Right Out: 4485.880 $\pm$ 0.796 χ^2 /NDF: 4195872.7/32

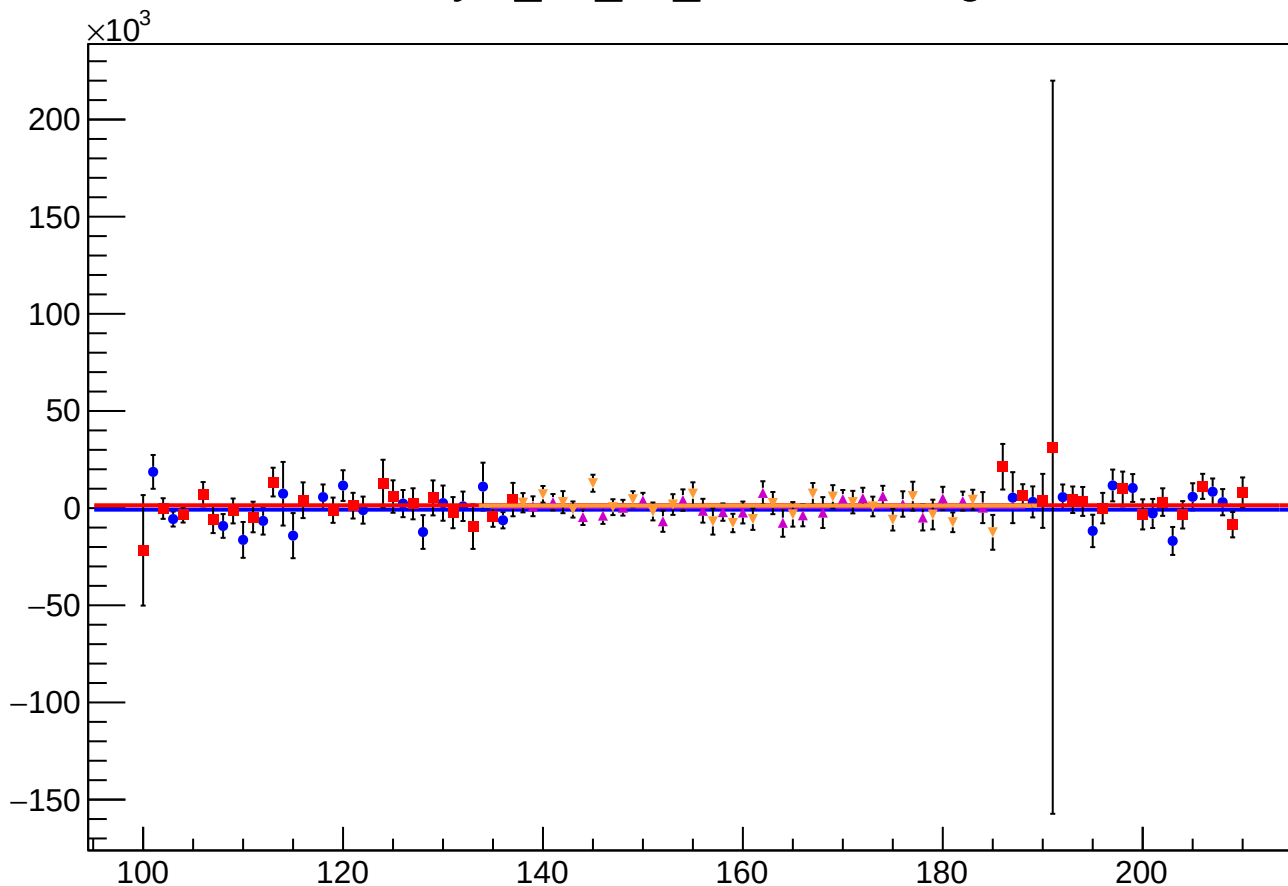
Left In: 4290.404 $\pm$ 0.723 χ^2 /NDF: 1213970.5/22

+ sign 4424.951 $\pm$ 0.546 χ^2 /NDF: 4101095.5/51

All: 4401.406 $\pm$ 0.382 χ^2 /NDF: 9547642.6/10

- sign 4378.826 $\pm$ 0.535 χ^2 /NDF: 5442908.8/55

asym_atr_dd_mean vs Slug



Right In: -772.844 ± 1369.634 χ^2/NDF : 37.8/26

Left Out: 1298.373 ± 1049.555 χ^2/NDF : 28.5/24

Right Out: 1476.002 ± 1277.895 χ^2/NDF : 22.4/32

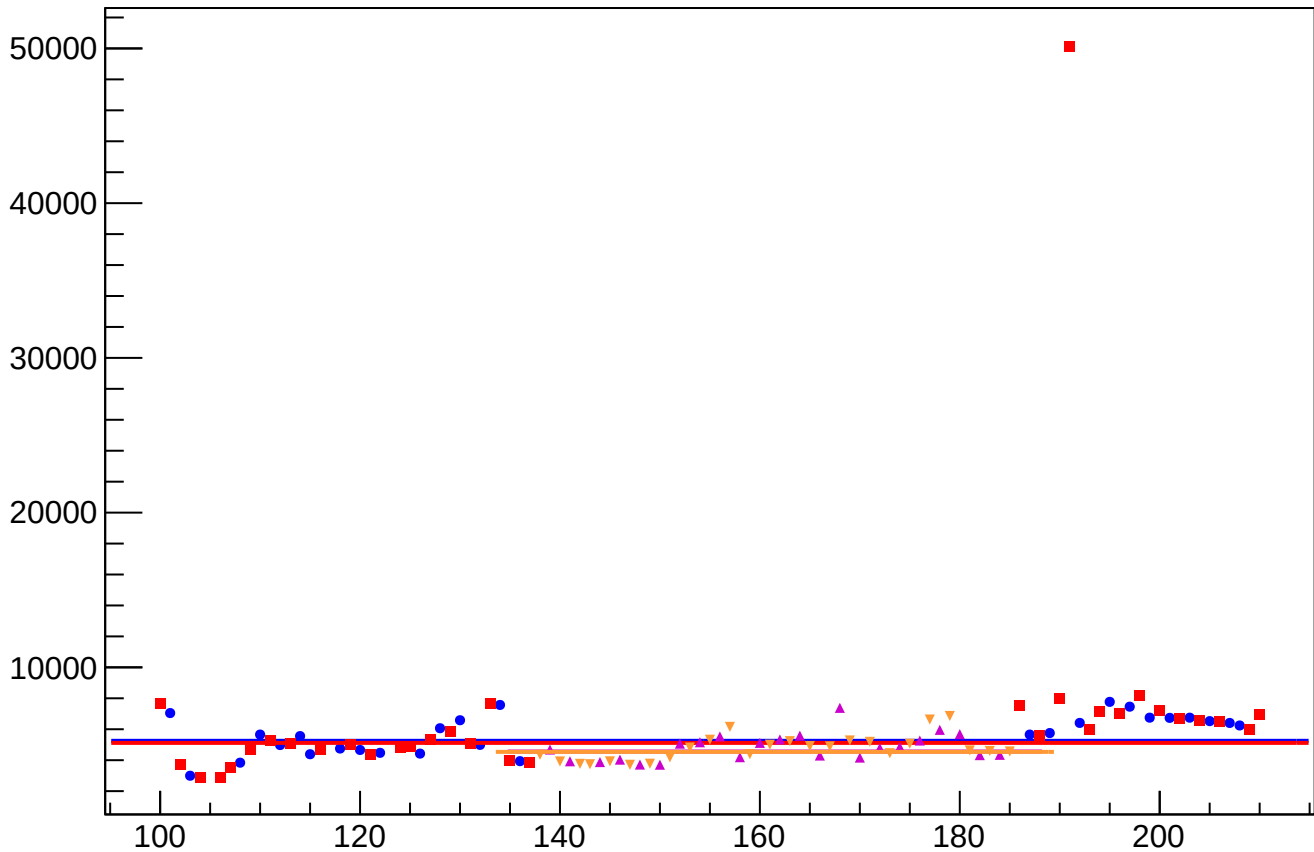
Left In: 576.442 ± 1082.127 χ^2/NDF : 14.4/22

+ sign 532.089 ± 833.080 χ^2/NDF : 67.7/51

All: 743.940 ± 586.491 χ^2/NDF : 105.0/107

- sign 952.112 ± 825.816 χ^2/NDF : 37.1/55

asym_atr_dd_rms vs Slug



Right In: 5251.995 $\pm$ 0.968 χ^2 /NDF: 2122764.0/26

Left Out: 4537.934 $\pm$ 0.742 χ^2 /NDF: 992905.4/24

Right Out: 5118.626 $\pm$ 0.899 χ^2 /NDF: 2899609.8/32

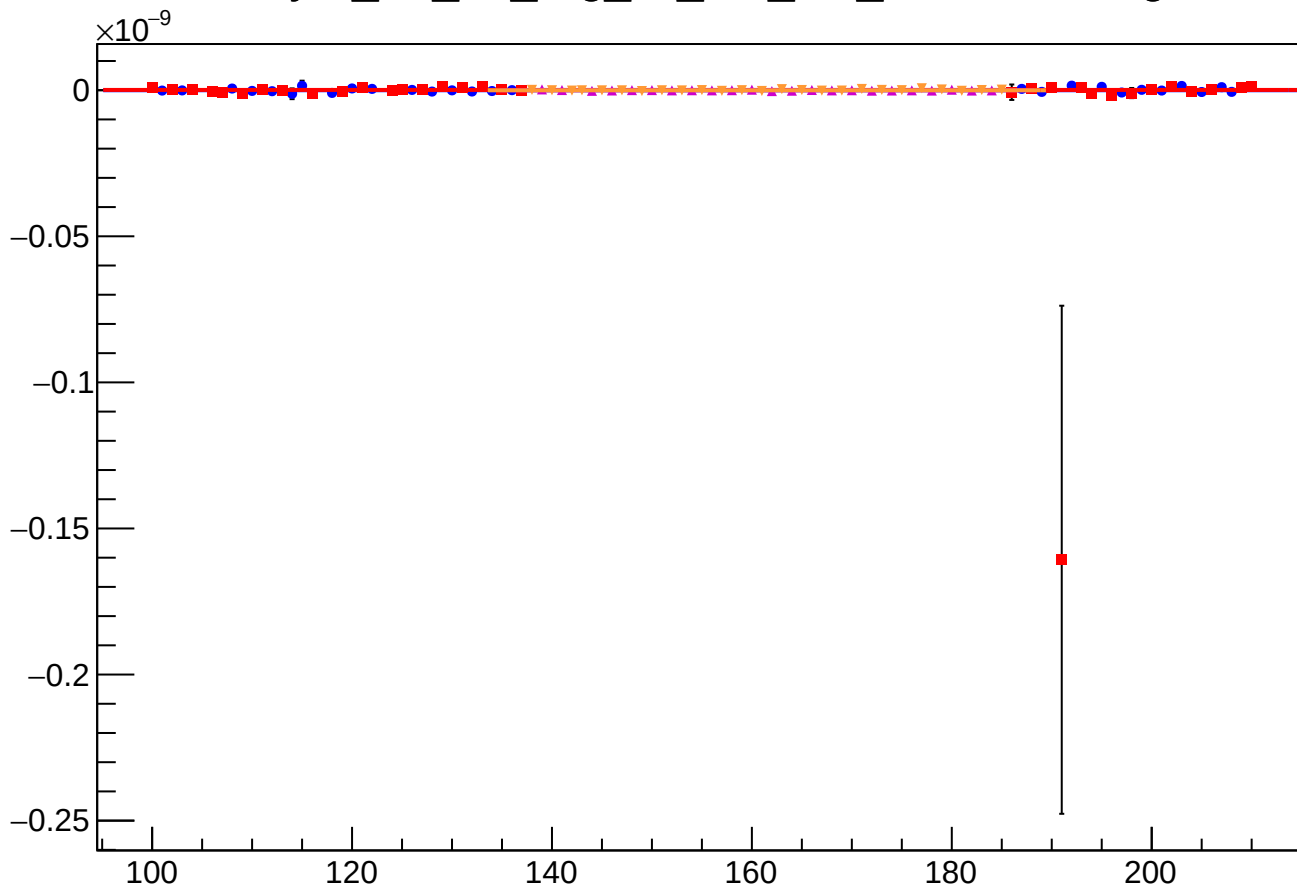
Left In: 4560.506 $\pm$ 0.765 χ^2 /NDF: 980201.3/22

+ sign 4802.114 $\pm$ 0.589 χ^2 /NDF: 3458163.7/51

All: 4798.503 $\pm$ 0.414 χ^2 /NDF: 7561549.5/10

- sign 4794.971 $\pm$ 0.583 χ^2 /NDF: 4103311.4/55

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 24.9/26

Left Out: -0.000+/-0.000 χ^2 /NDF: 37.9/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 42.6/32

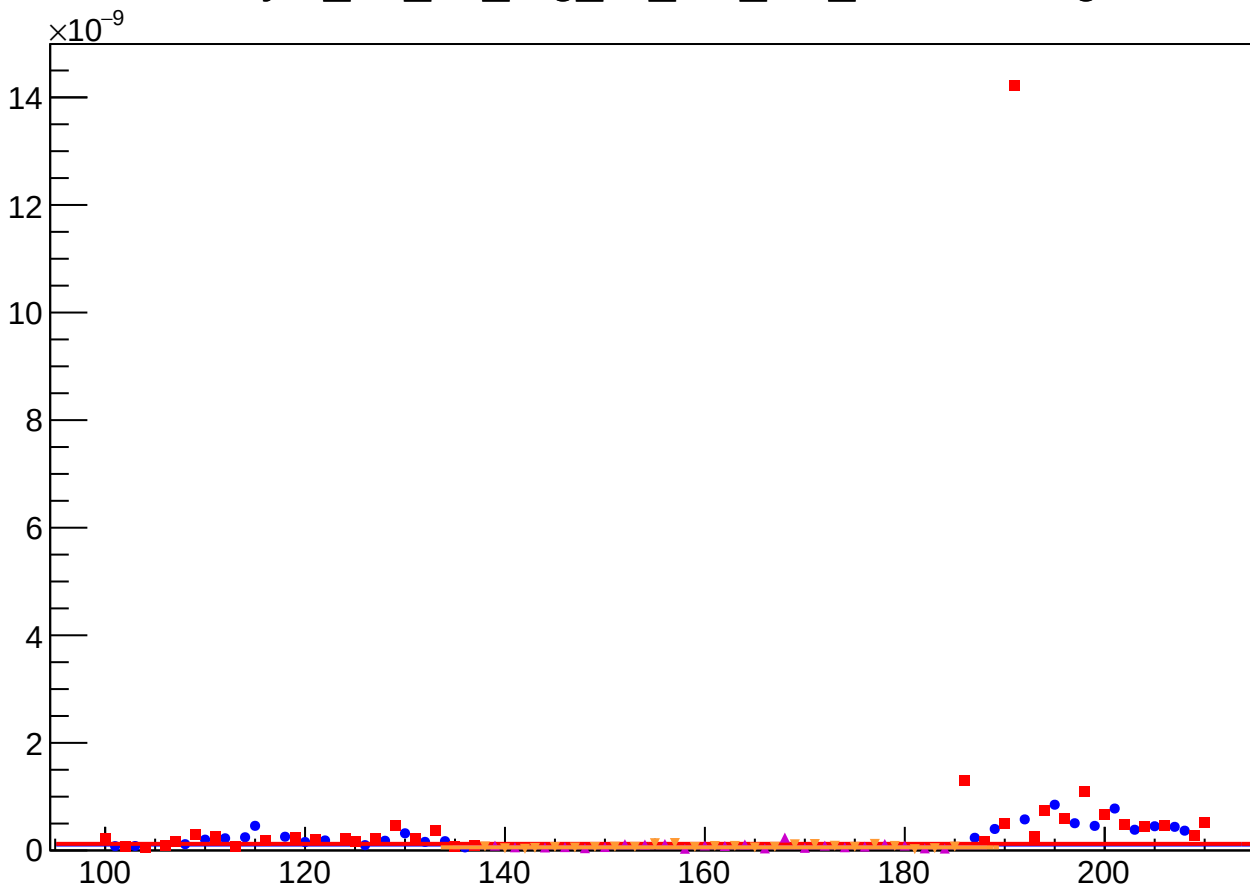
Left In: -0.000+/-0.000 χ^2 /NDF: 20.6/22

+ sign -0.000+/-0.000 χ^2 /NDF: 63.0/51

All: -0.000+/-0.000 χ^2 /NDF: 129.5/107

- sign 0.000+/-0.000 χ^2 /NDF: 65.7/55

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5658196.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6842169.7/32

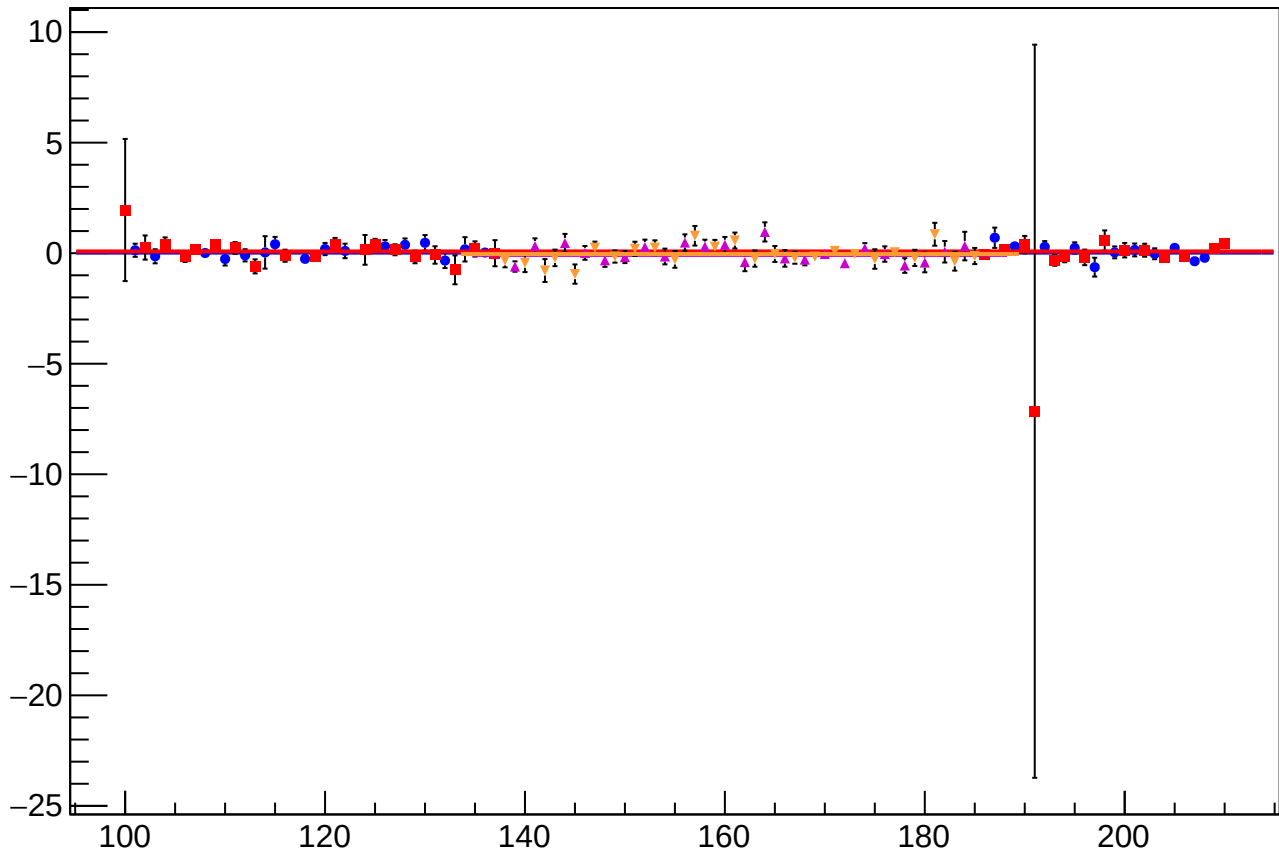
Left In: 0.000+/-0.000 χ^2/NDF : 2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 8859738.8/51

All: 0.000+/-0.000 χ^2/NDF : 19527595.4/107

- sign 0.000+/-0.000 χ^2/NDF : 10659001.6/55

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.027 $\pm$ 0.050 χ^2 /NDF: 27.6/26

Left Out: -0.038 $\pm$ 0.062 χ^2 /NDF: 24.4/24

Right Out: 0.079 $\pm$ 0.045 χ^2 /NDF: 33.1/32

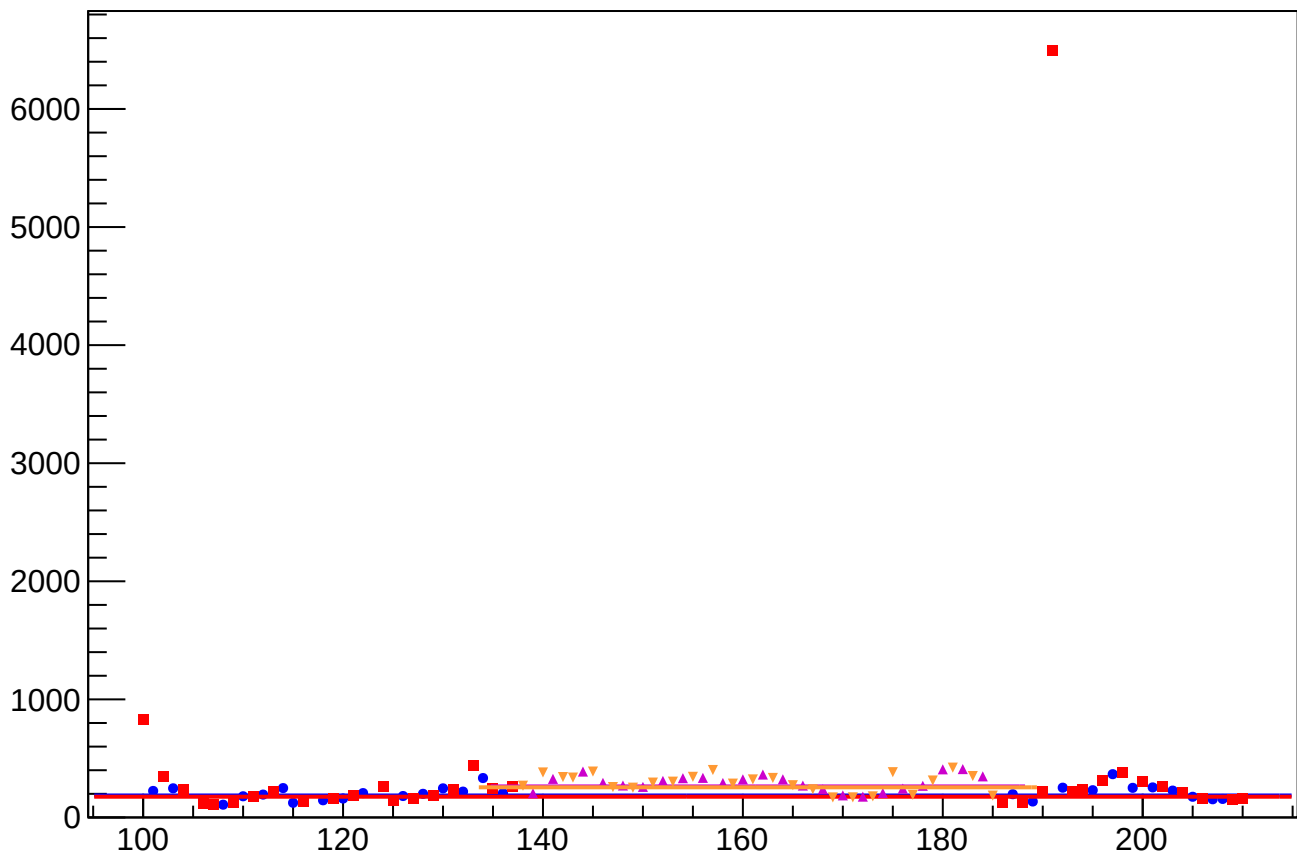
Left In: -0.078 $\pm$ 0.065 χ^2 /NDF: 31.1/22

+ sign 0.001 $\pm$ 0.039 χ^2 /NDF: 52.7/51

All: 0.015 $\pm$ 0.027 χ^2 /NDF: 121.1/107

- sign 0.028 $\pm$ 0.037 χ^2 /NDF: 68.1/55

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 186.207 $\pm$ 0.035 χ^2 /NDF: 2040177.9/26

Left Out: 255.355 $\pm$ 0.044 χ^2 /NDF: 2935324.6/24

Right Out: 175.661 $\pm$ 0.032 χ^2 /NDF: 3592025.6/32

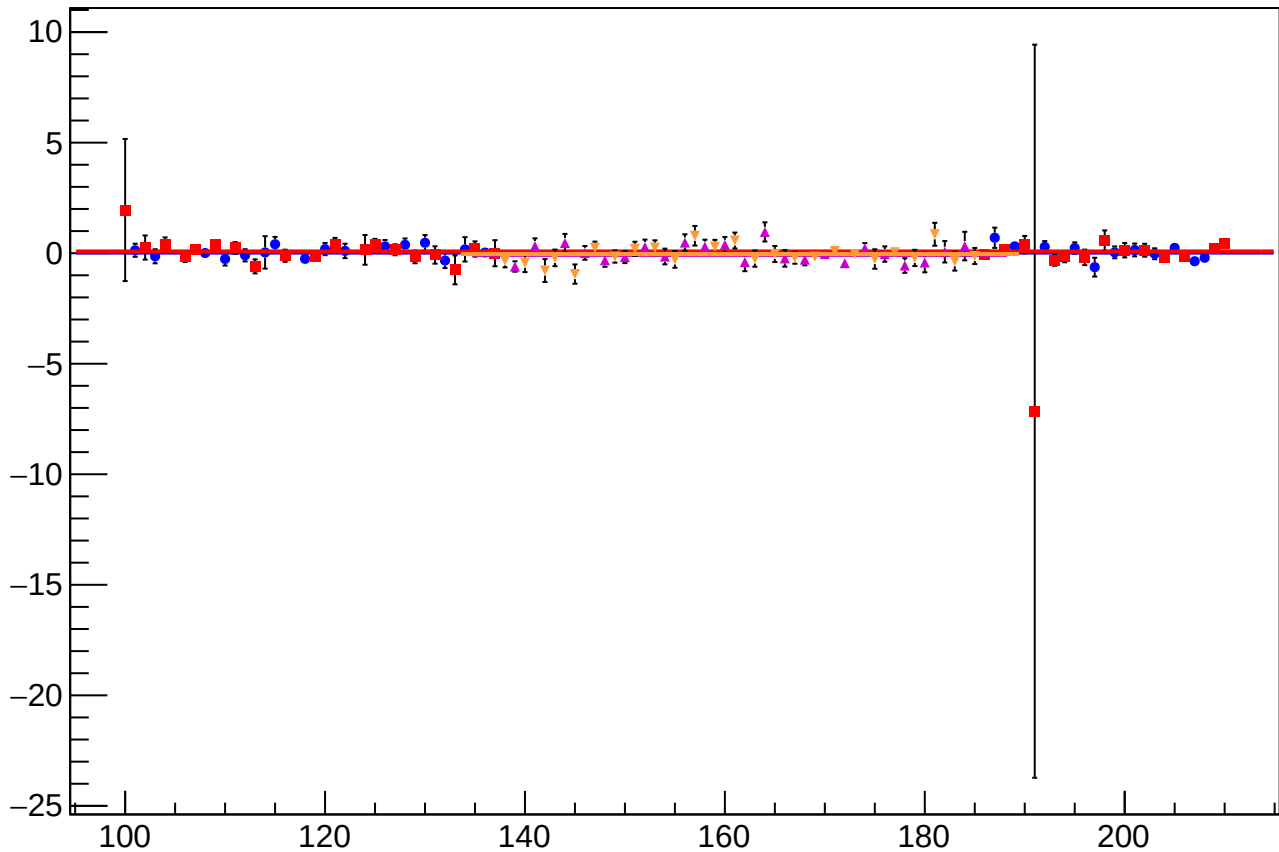
Left In: 262.788 $\pm$ 0.046 χ^2 /NDF: 2025363.4/22

+ sign 213.277 $\pm$ 0.027 χ^2 /NDF: 6493149.5/51

All: 208.507 $\pm$ 0.019 χ^2 /NDF: 14596216.0/10

- sign 204.135 $\pm$ 0.026 χ^2 /NDF: 8044972.6/55

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027 $\pm$ 0.050 χ^2 /NDF: 27.6/26

Left Out: -0.038 $\pm$ 0.062 χ^2 /NDF: 24.4/24

Right Out: 0.079 $\pm$ 0.045 χ^2 /NDF: 33.1/32

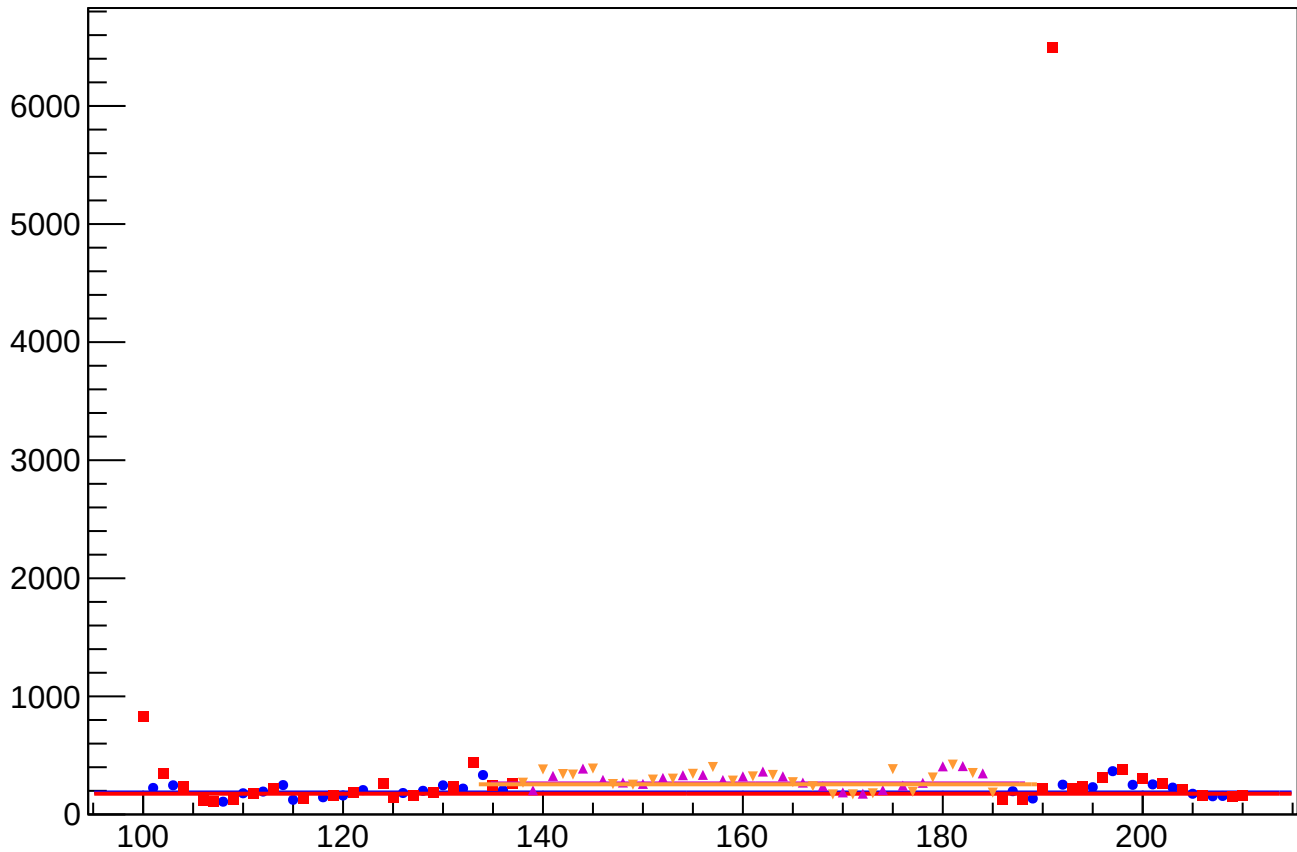
Left In: -0.078 $\pm$ 0.065 χ^2 /NDF: 31.1/22

+ sign 0.001 $\pm$ 0.039 χ^2 /NDF: 52.7/51

All: 0.015 $\pm$ 0.027 χ^2 /NDF: 121.1/107

- sign 0.028 $\pm$ 0.037 χ^2 /NDF: 68.1/55

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 186.207 $\pm$ 0.035 χ^2 /NDF: 2040177.9/26

Left Out: 255.355 $\pm$ 0.044 χ^2 /NDF: 2935324.6/24

Right Out: 175.661 $\pm$ 0.032 χ^2 /NDF: 3592025.6/32

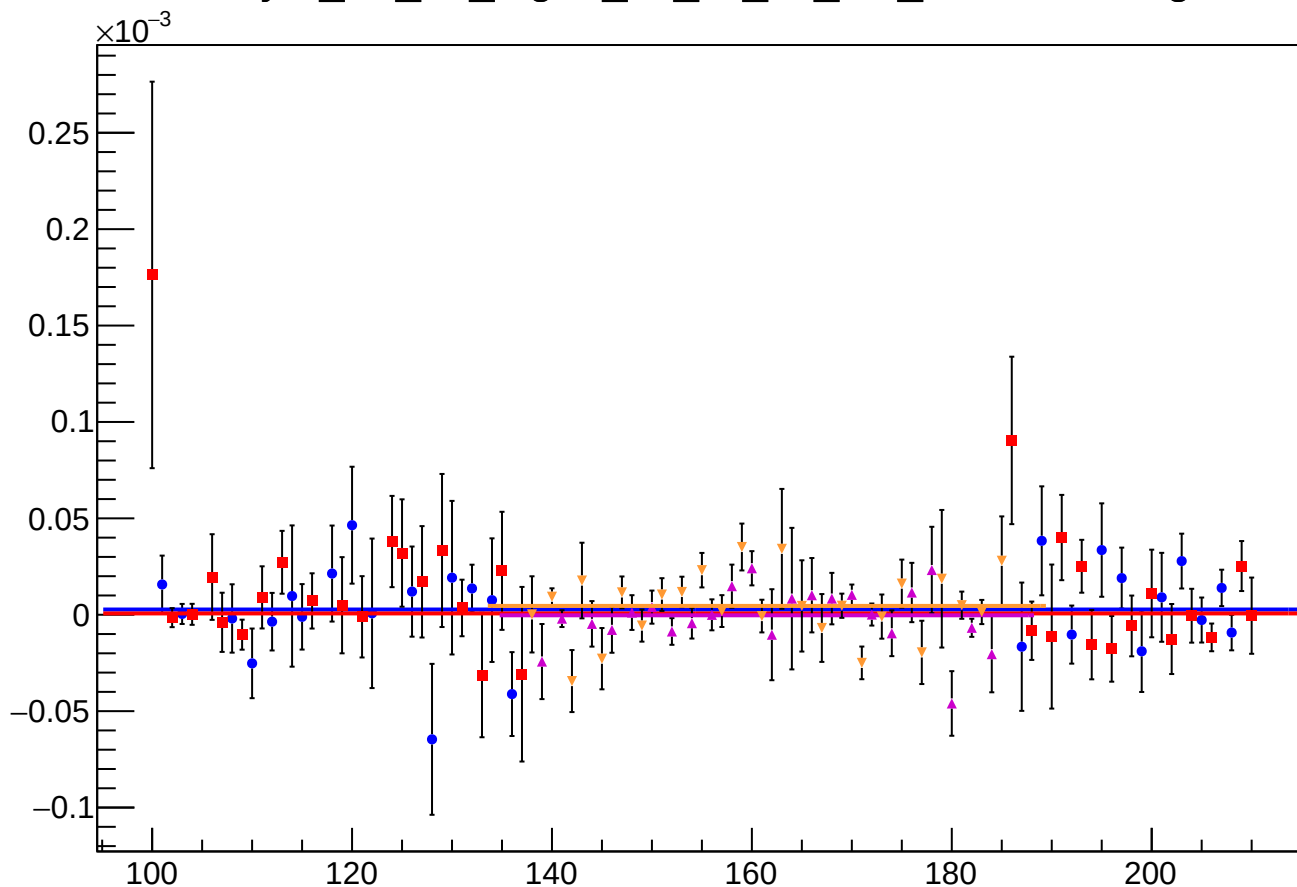
Left In: 262.788 $\pm$ 0.046 χ^2 /NDF: 2025363.4/22

+ sign 213.277 $\pm$ 0.027 χ^2 /NDF: 6493149.5/51

All: 208.507 $\pm$ 0.019 χ^2 /NDF: 14596216.0/10

- sign 204.135 $\pm$ 0.026 χ^2 /NDF: 8044972.6/55

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.6/32

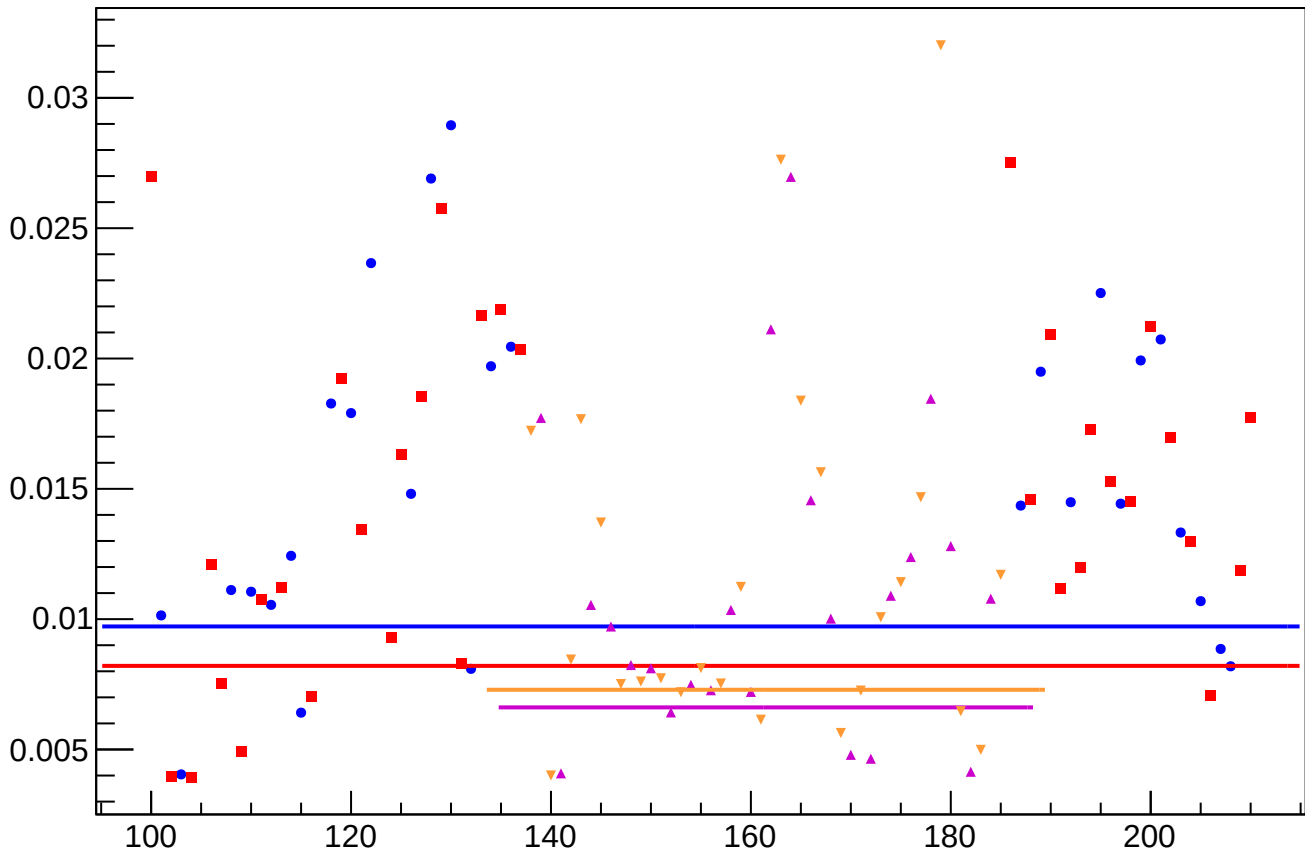
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 31.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 71.1/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 142.5/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67.9/55

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 7154776.7/26

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF : 6772003.6/24

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9937425.1/32

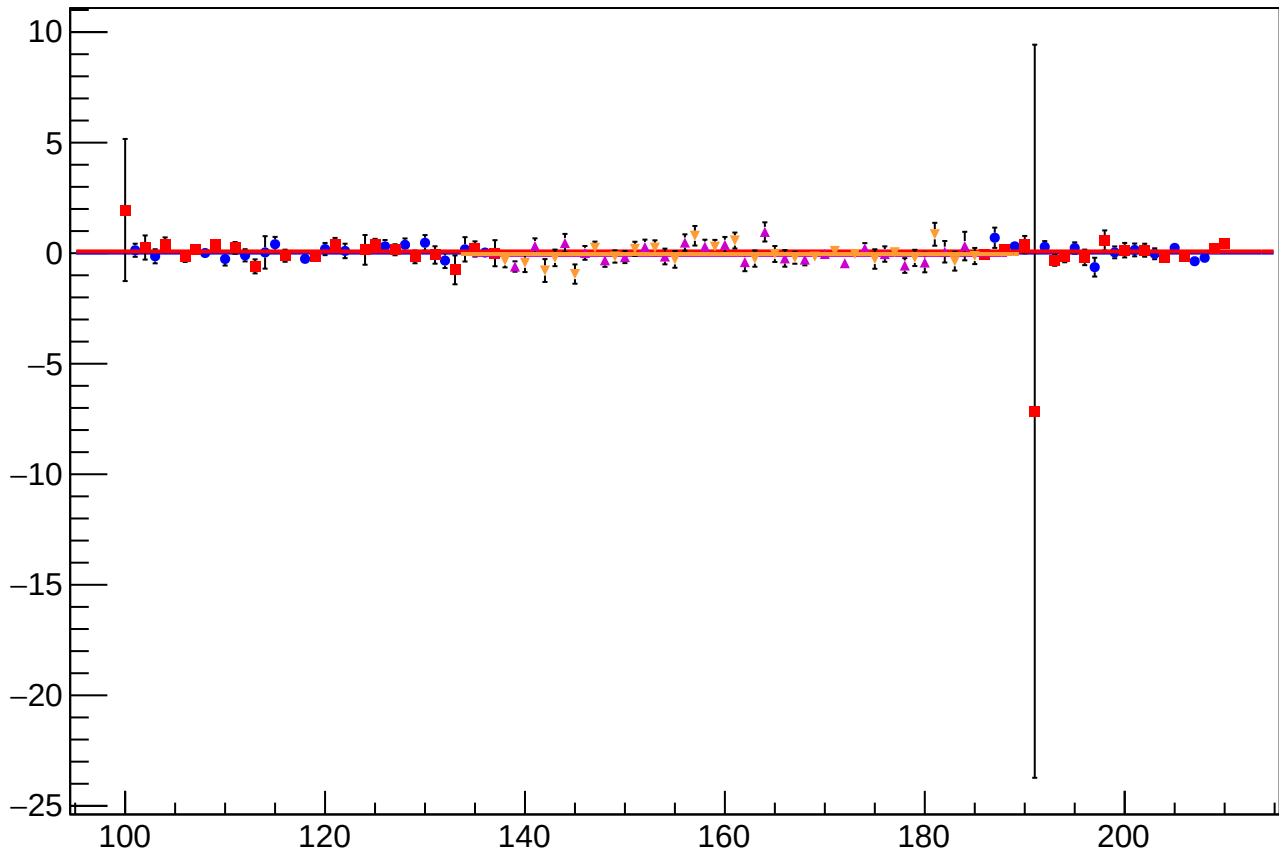
Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 6410135.0/22

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 14945869.4/51

All: 0.008 $\pm$ 0.000 χ^2/NDF : 32185000.8/107

- sign 0.007 $\pm$ 0.000 χ^2/NDF : 16940679.1/55

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.027 $\pm$ 0.050 χ^2 /NDF: 27.6/26

Left Out: -0.038 $\pm$ 0.062 χ^2 /NDF: 24.4/24

Right Out: 0.079 $\pm$ 0.045 χ^2 /NDF: 33.1/32

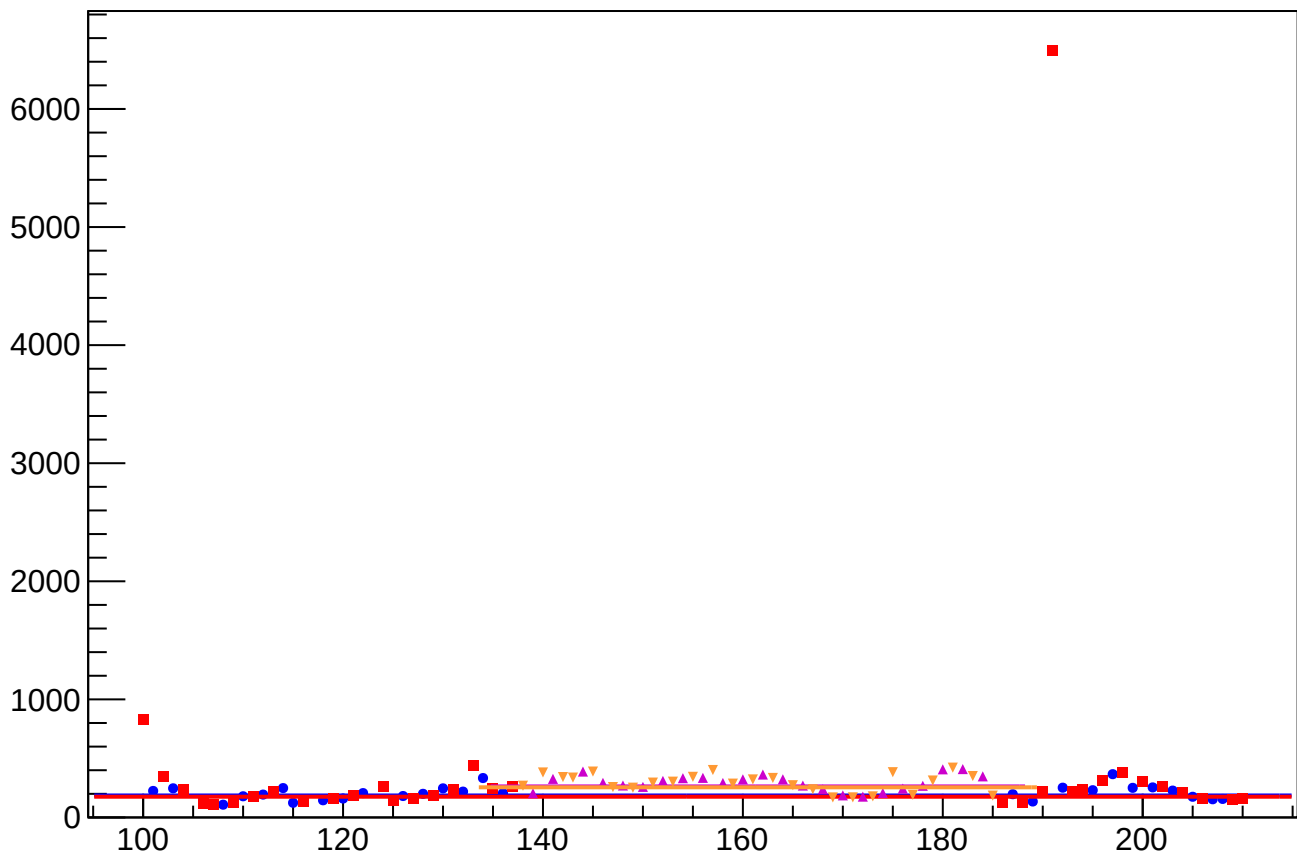
Left In: -0.078 $\pm$ 0.065 χ^2 /NDF: 31.1/22

+ sign 0.001 $\pm$ 0.039 χ^2 /NDF: 52.7/51

All: 0.015 $\pm$ 0.027 χ^2 /NDF: 121.1/107

- sign 0.028 $\pm$ 0.037 χ^2 /NDF: 68.1/55

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 186.207 $\pm$ 0.035 χ^2 /NDF: 2040175.2/26

Left Out: 255.357 $\pm$ 0.044 χ^2 /NDF: 2935428.4/24

Right Out: 175.662 $\pm$ 0.032 χ^2 /NDF: 3591992.4/32

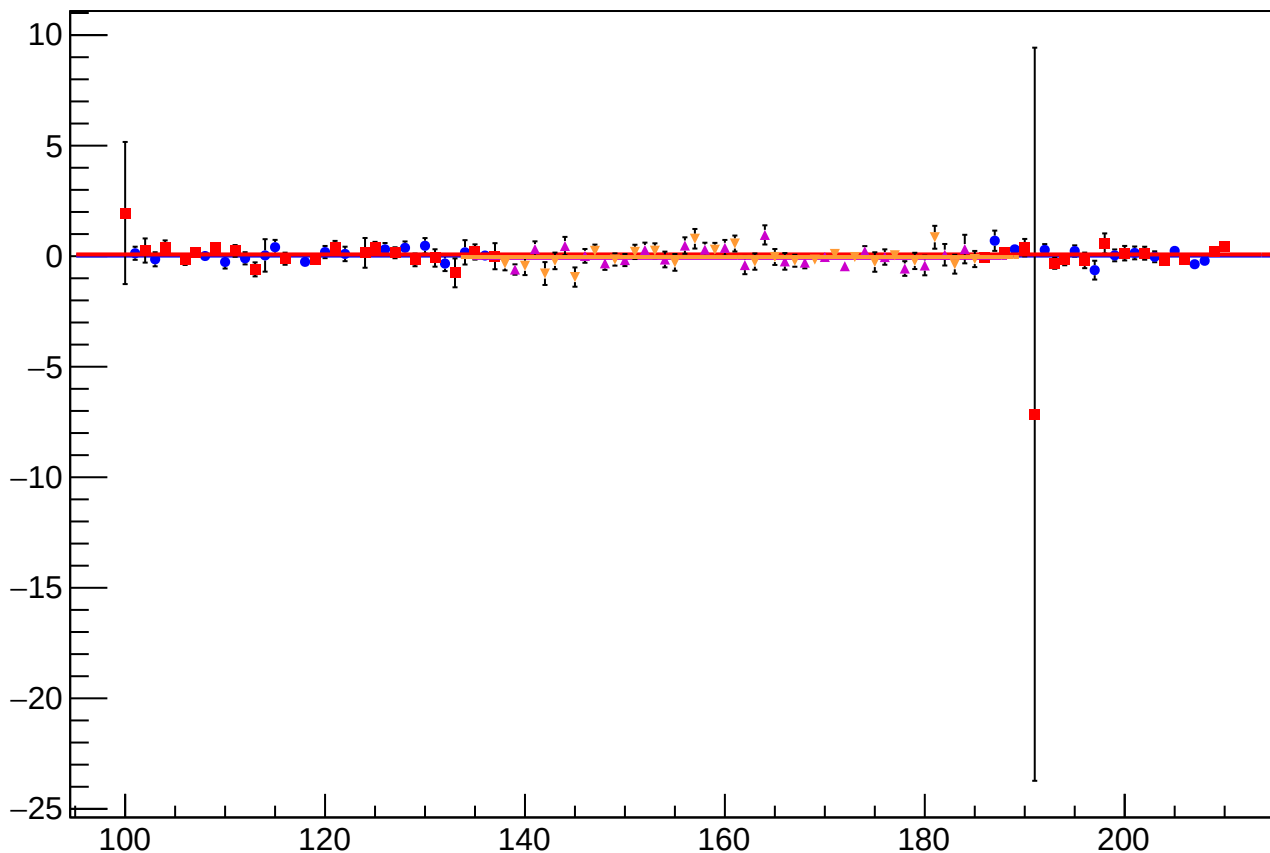
Left In: 262.790 $\pm$ 0.046 χ^2 /NDF: 2025402.0/22

+ sign 213.277 $\pm$ 0.027 χ^2 /NDF: 6493313.5/51

All: 208.508 $\pm$ 0.019 χ^2 /NDF: 14596399.6/10

- sign 204.137 $\pm$ 0.026 χ^2 /NDF: 8045005.2/55

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027 $\pm$ 0.050 χ^2 /NDF: 27.6/26

Left Out: -0.038 $\pm$ 0.062 χ^2 /NDF:24.4/24

Right Out: 0.079 $\pm$ 0.045 χ^2 /NDF: 33.1/32

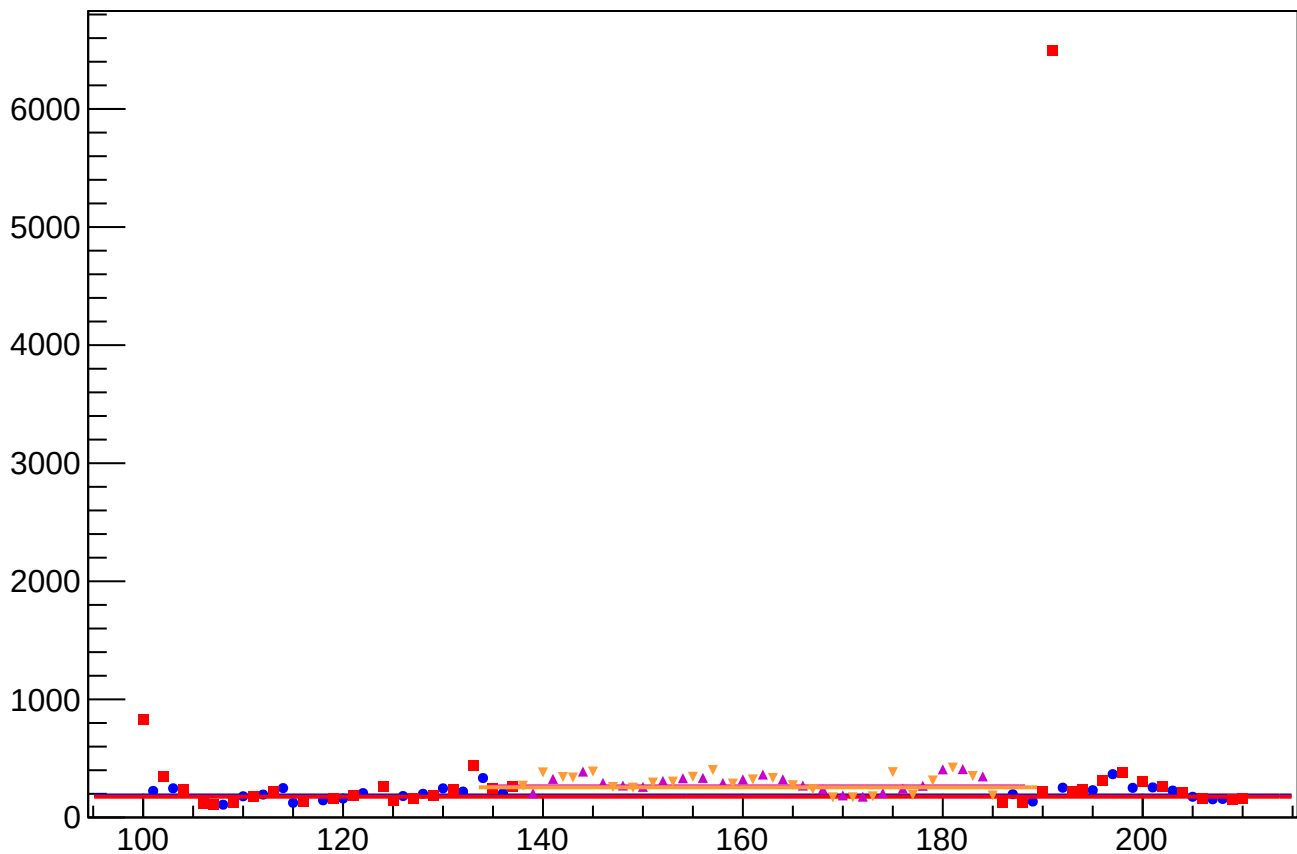
Left In: -0.078 $\pm$ 0.065 χ^2 /NDF:31.1/22

+ sign 0.001 $\pm$ 0.039 χ^2 /NDF: 52.7/51

All: 0.015 $\pm$ 0.027 χ^2 /NDF: 121.1/107

- sign 0.028 $\pm$ 0.037 χ^2 /NDF: 68.1/55

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 186.207 $\pm$ 0.035 χ^2 /NDF: 2040175.2/26

Left Out: 255.357 $\pm$ 0.044 χ^2 /NDF: 2935428.4/24

Right Out: 175.662 $\pm$ 0.032 χ^2 /NDF: 3591992.4/32

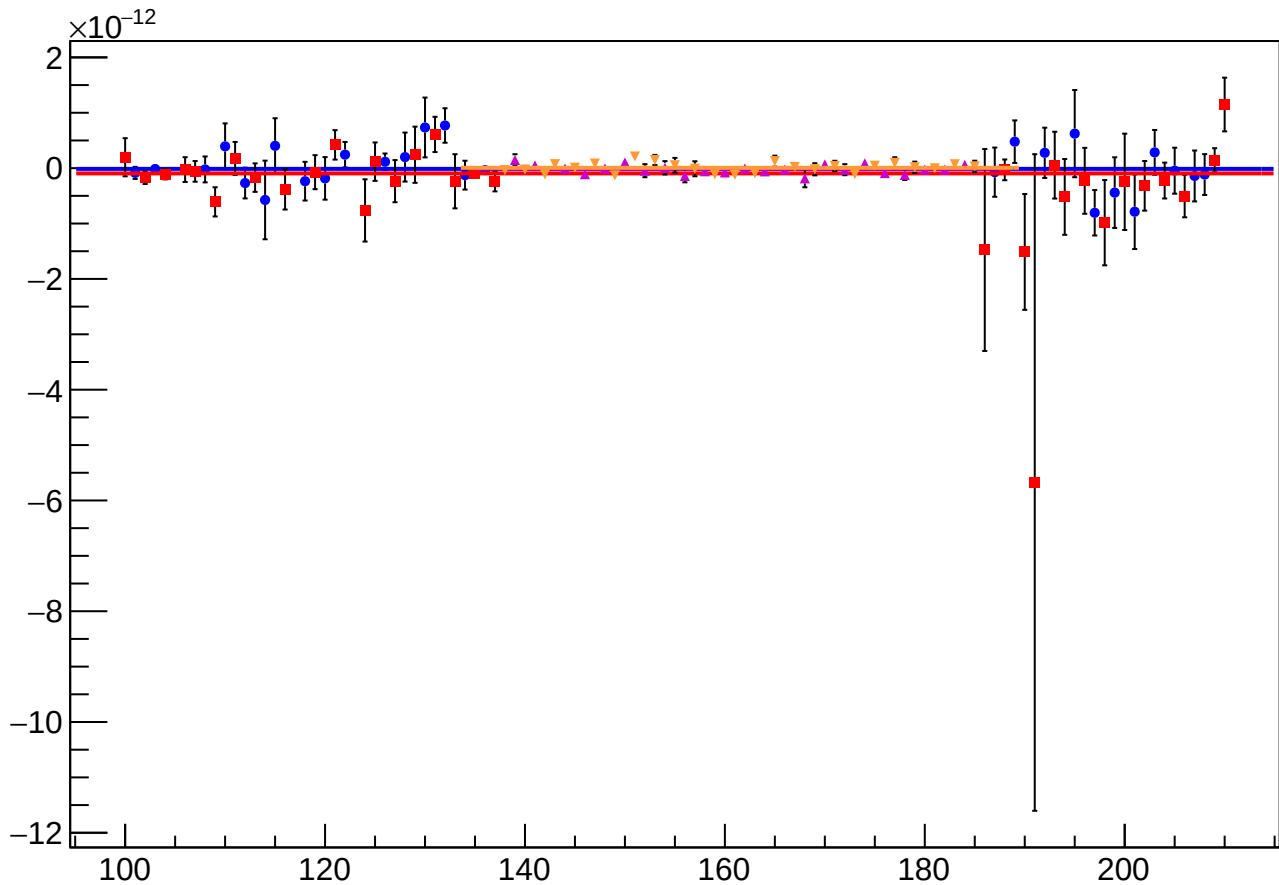
Left In: 262.790 $\pm$ 0.046 χ^2 /NDF: 2025402.0/22

+ sign 213.277 $\pm$ 0.027 χ^2 /NDF: 6493313.5/51

All: 208.508 $\pm$ 0.019 χ^2 /NDF: 14596399.6/10

- sign 204.137 $\pm$ 0.026 χ^2 /NDF: 8045005.2/55

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.0/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 30.5/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 33.0/32

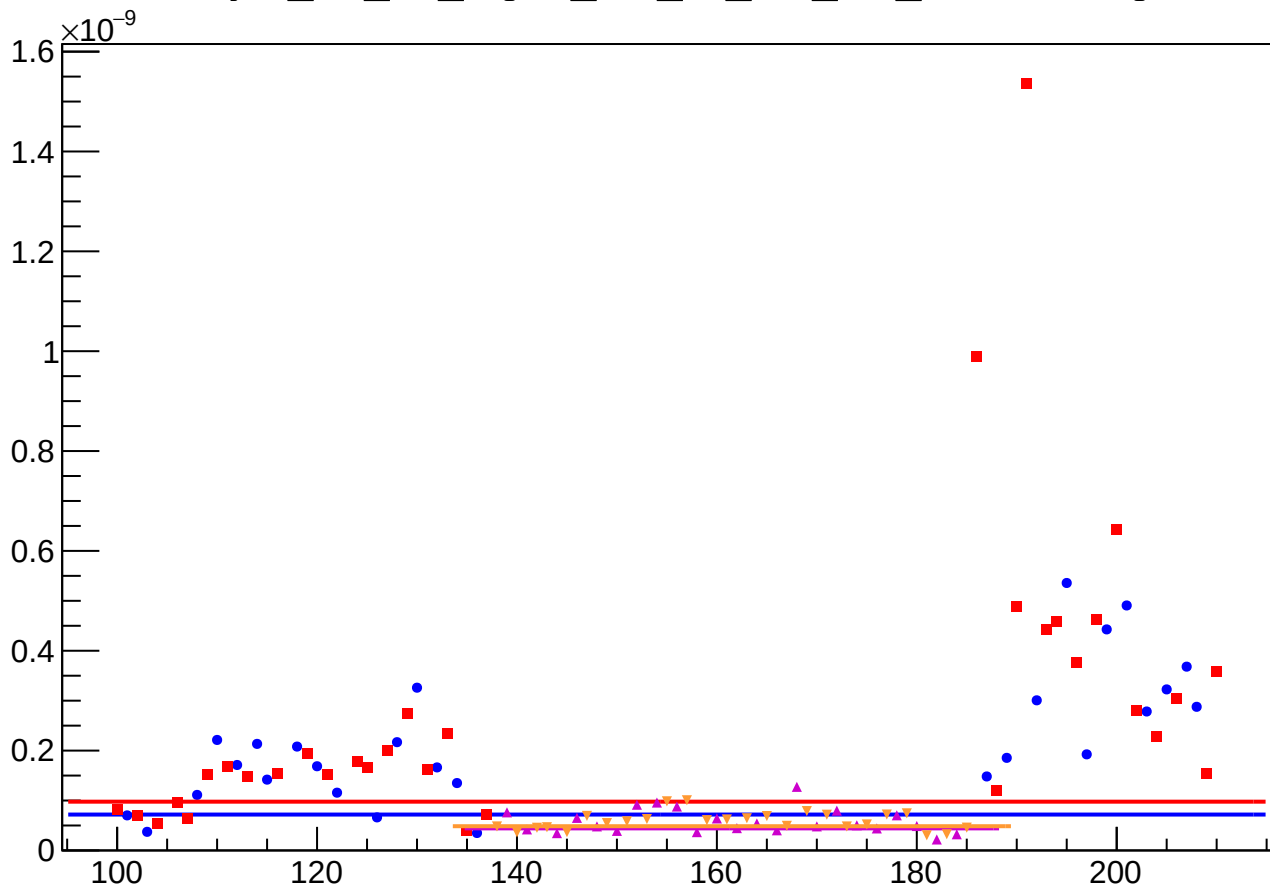
Left In: -0.000 ± 0.000 χ^2/NDF : 21.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 54.7/51

All: -0.000 ± 0.000 χ^2/NDF : 114.7/107

- sign -0.000 ± 0.000 χ^2/NDF : 58.6/55

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9464479.9/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8894242.5/32

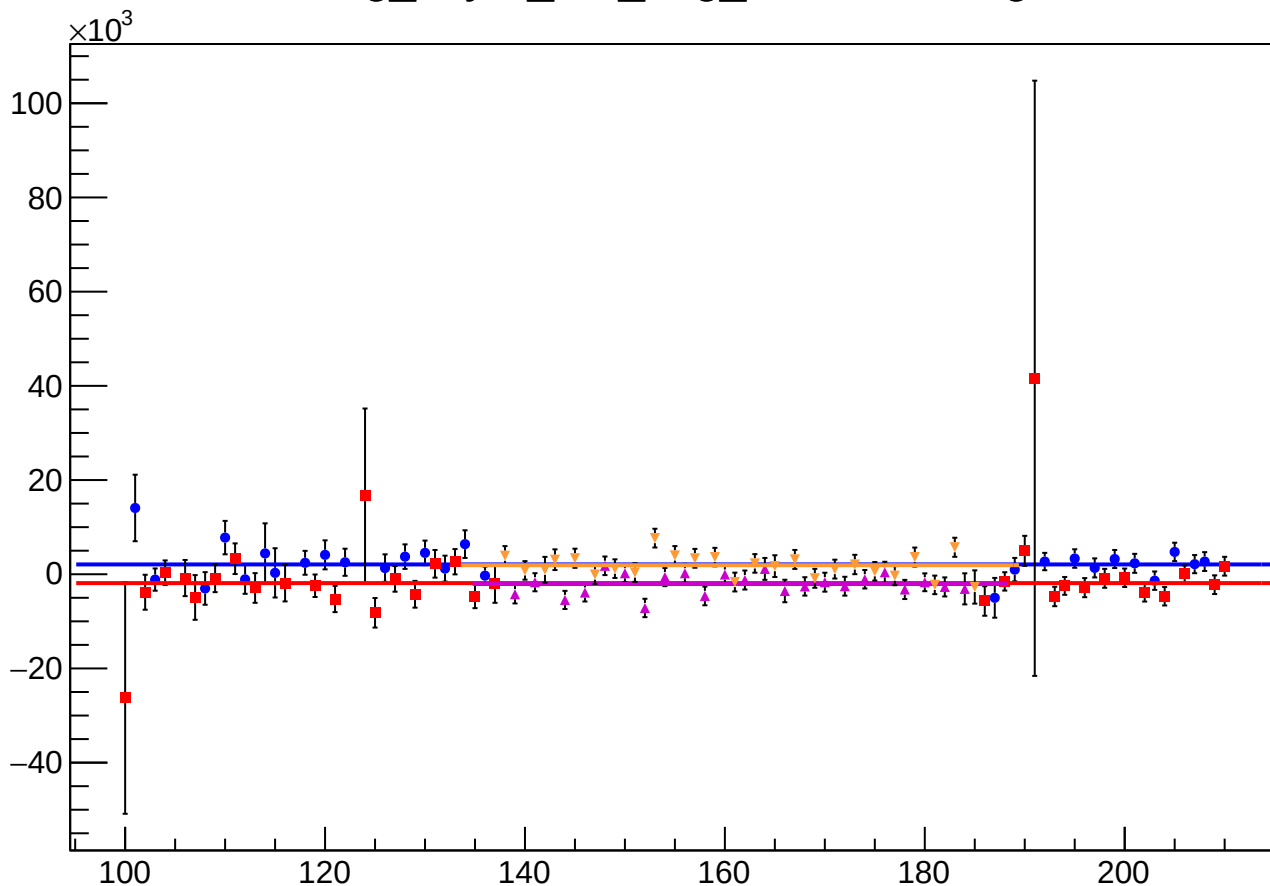
Left In: 0.000+/-0.000 χ^2/NDF : 3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 12755496.1/51

All: 0.000+/-0.000 χ^2/NDF : 28612375.9/107

- sign 0.000+/-0.000 χ^2/NDF : 15835944.6/55

reg_asym_at1_avg_mean vs Slug



Right In: 2082.664 $\pm$ 475.563 χ^2 /NDF: 25.5/26

Left Out: 1920.623 $\pm$ 412.915 χ^2 /NDF:32.5/24

Right Out: -1879.229 $\pm$ 451.187 χ^2 /NDF: 35.4/32

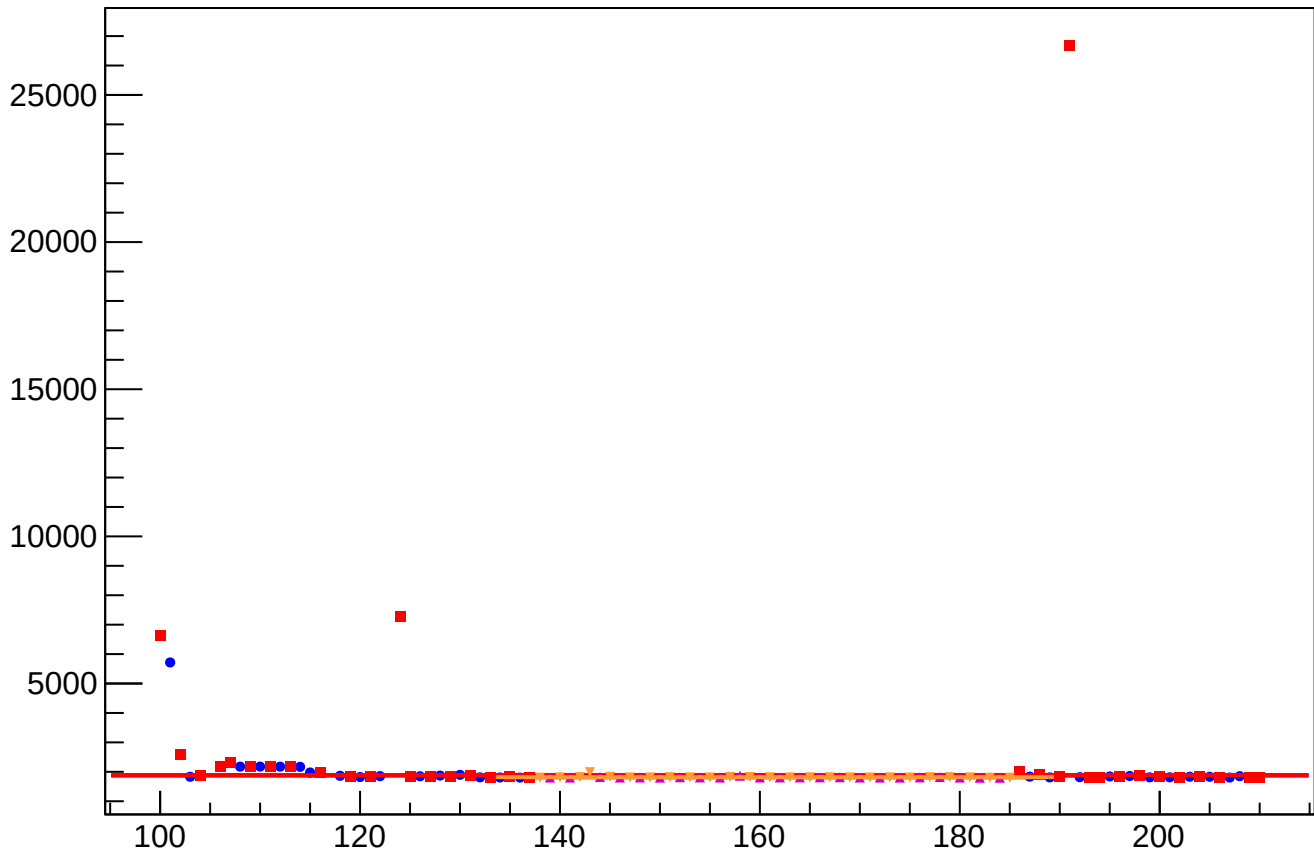
Left In: -2074.205 $\pm$ 423.203 χ^2 /NDF:26.5/22

+ sign 1990.274 $\pm$ 311.788 χ^2 /NDF: 58.1/51

All: -16.314 $\pm$ 219.356 χ^2 /NDF: 202.2/107

- sign -1982.951 $\pm$ 308.669 χ^2 /NDF: 62.0/55

reg_asym_at1_avg_rms vs Slug



Right In: 1873.173 $\pm$ 0.336 χ^2 /NDF: 665564.9/26

Left Out: 1817.524 $\pm$ 0.292 χ^2 /NDF: 12955.2/24

Right Out: 1890.586 $\pm$ 0.319 χ^2 /NDF: 740053.4/32

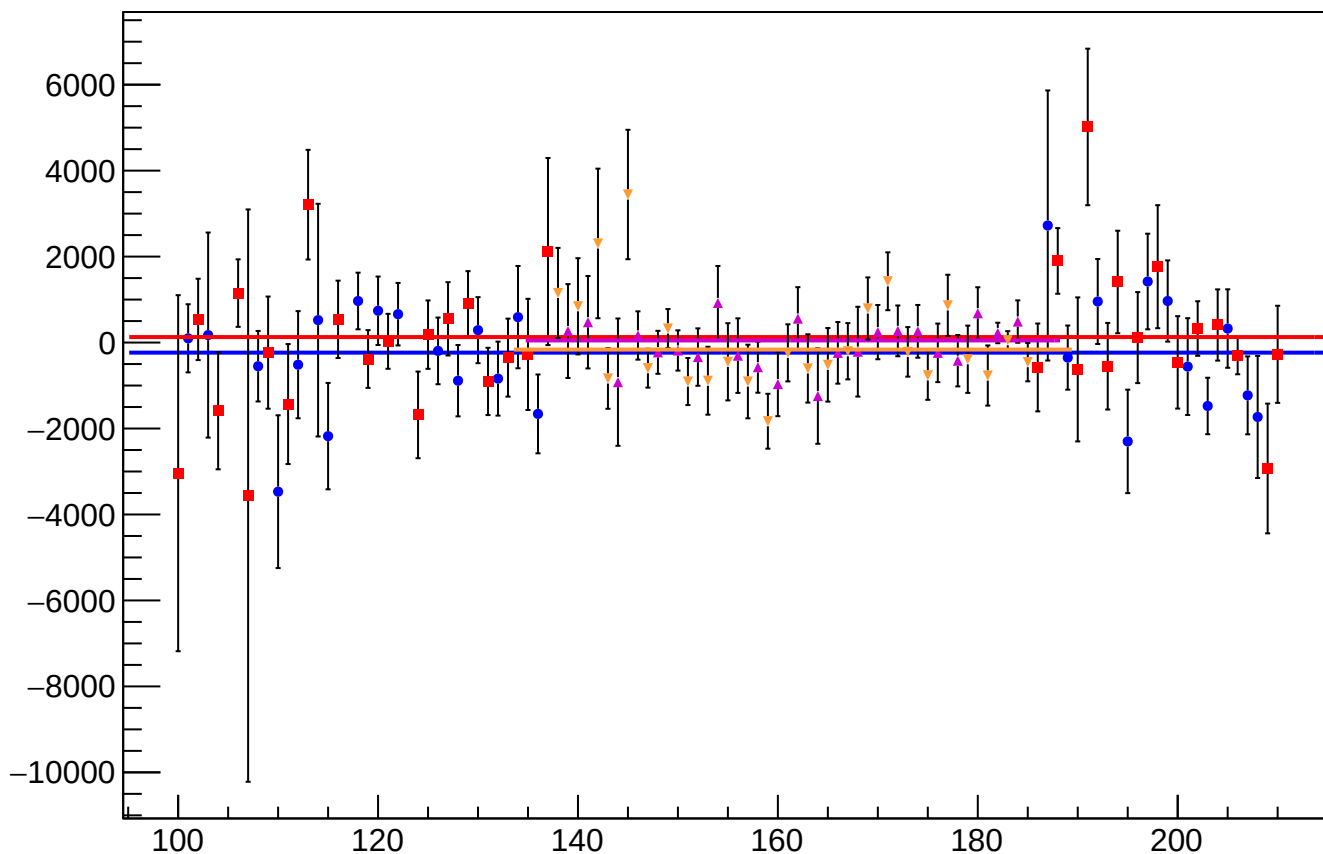
Left In: 1812.545 $\pm$ 0.299 χ^2 /NDF: 2013.0/22

+ sign 1841.444 $\pm$ 0.220 χ^2 /NDF: 694134.7/51

All: 1845.296 $\pm$ 0.155 χ^2 /NDF: 1468636.4/10

- sign 1849.070 $\pm$ 0.218 χ^2 /NDF: 773897.4/55

asym_at1_avg_reg_correction_mean vs Slug



Right In: -234.443 $\pm$ 181.407 χ^2 /NDF: 32.5/26

Left Out: -162.996 $\pm$ 115.295 χ^2 /NDF:36.8/24

Right Out: 128.025 $\pm$ 161.858 χ^2 /NDF: 41.8/32

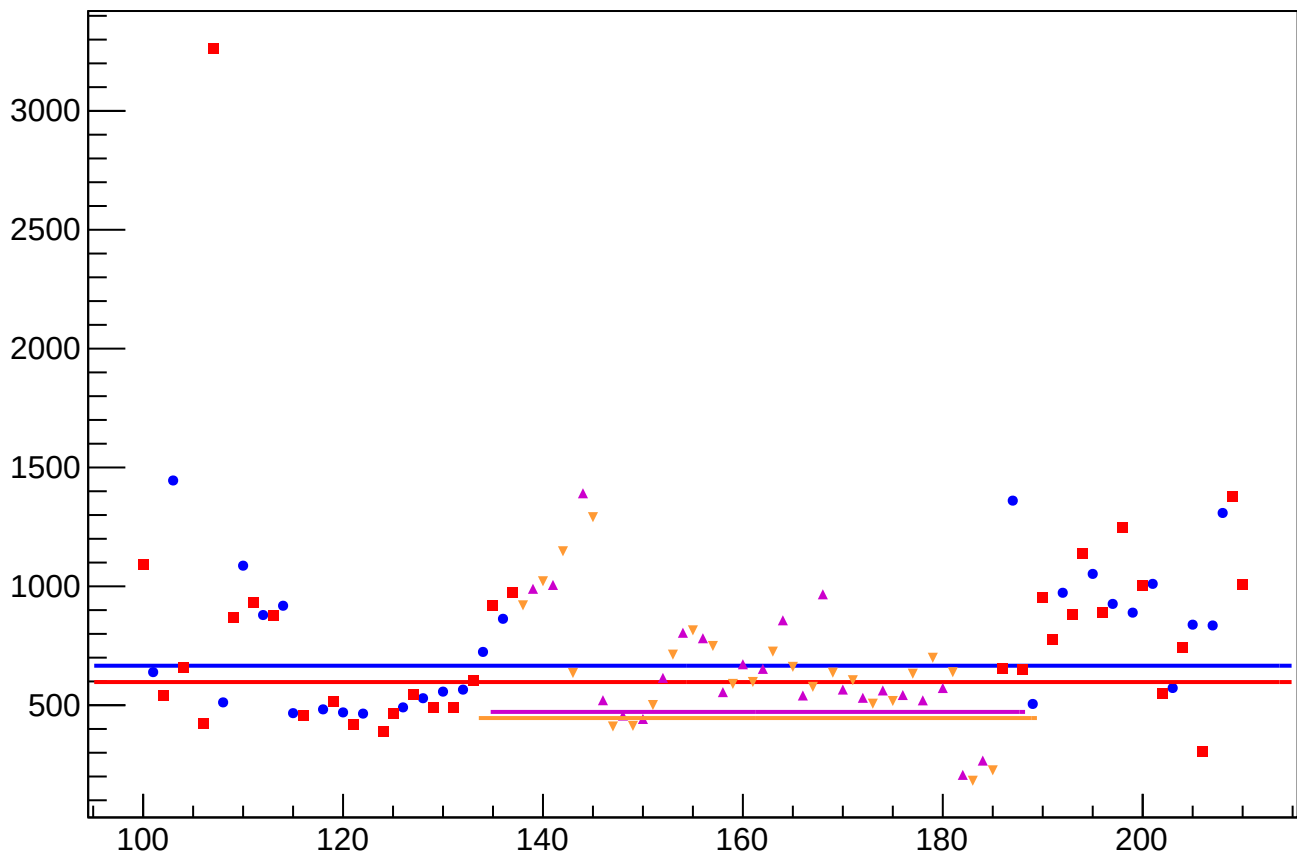
Left In: 49.290 $\pm$ 122.691 χ^2 /NDF:11.3/22

+ sign -183.552 $\pm$ 97.306 χ^2 /NDF: 69.5/51

All: -53.395 $\pm$ 68.971 χ^2 /NDF: 126.3/107

- sign 78.022 $\pm$ 97.775 χ^2 /NDF: 53.3/55

asym_at1_avg_reg_correction_rms vs Slug



Right In: 666.054 ± 0.128 χ^2/NDF : 2867127.8/26

Left Out: 445.893 ± 0.082 χ^2/NDF : 7982455.6/24

Right Out: 597.358 ± 0.114 χ^2/NDF : 4733451.9/32

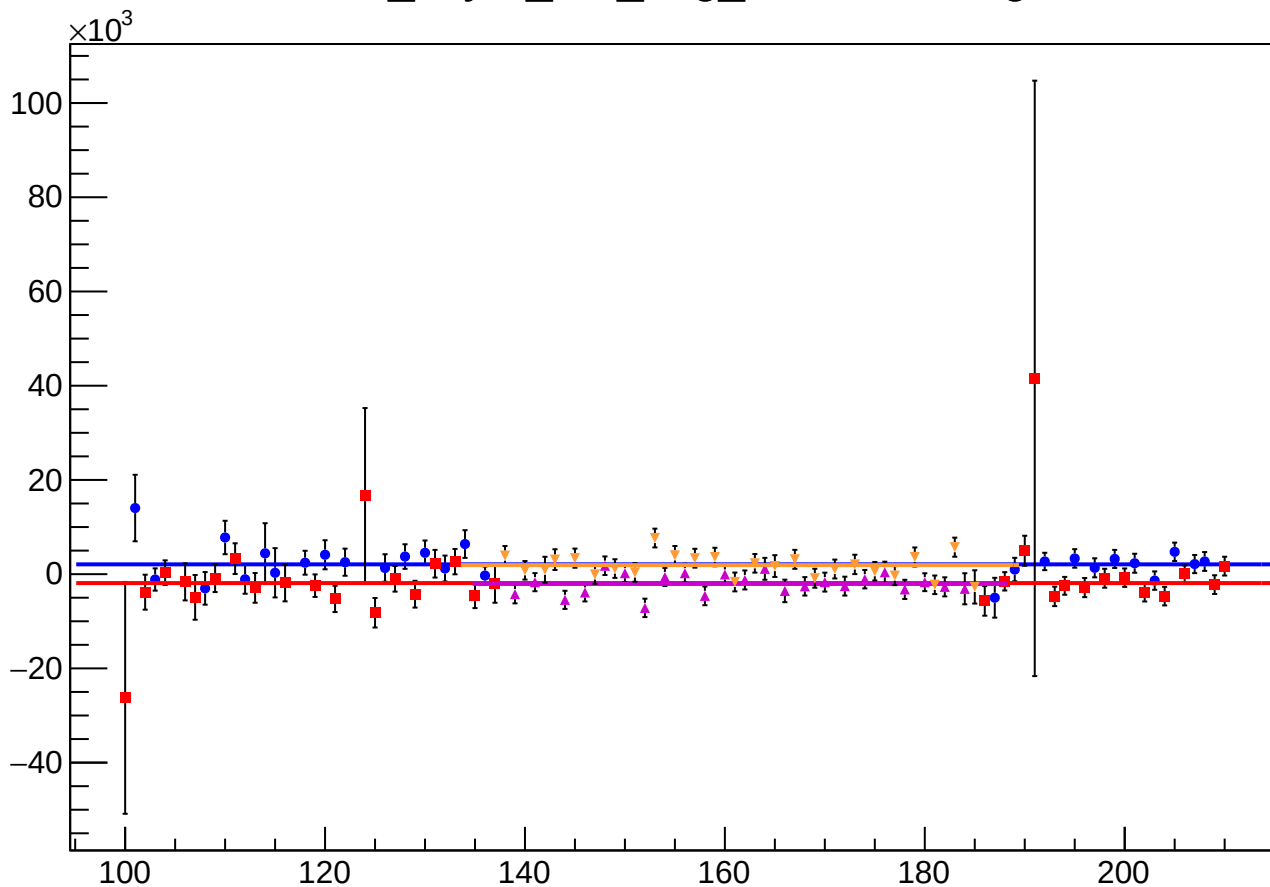
Left In: 471.746 ± 0.087 χ^2/NDF : 6413905.5/22

+ sign 509.237 ± 0.069 χ^2/NDF : 12947828.9/51

All: 513.390 ± 0.049 χ^2/NDF : 24867506.0/10

- sign 517.584 ± 0.069 χ^2/NDF : 11912355.8/55

cor_asym_at1_avg_mean vs Slug



Right In: 2082.588 $\pm$ 475.563 χ^2 /NDF: 25.5/26

Left Out: 1920.588 $\pm$ 412.915 χ^2 /NDF: 32.5/24

Right Out: -1890.855 $\pm$ 451.336 χ^2 /NDF: 35.3/32

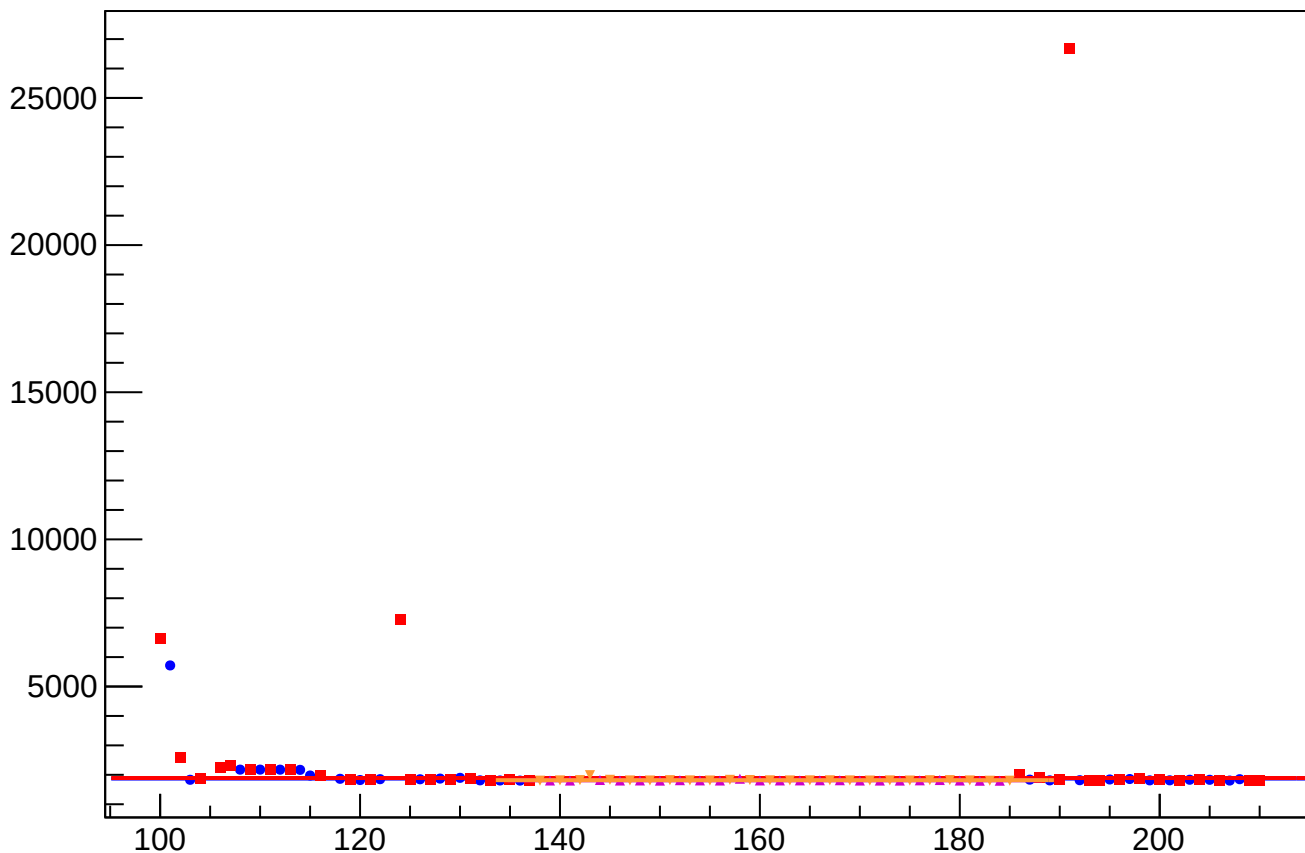
Left In: -2074.306 $\pm$ 423.203 χ^2 /NDF: 26.5/22

+ sign 1990.221 $\pm$ 311.788 χ^2 /NDF: 58.1/51

All: -18.823 $\pm$ 219.373 χ^2 /NDF: 202.3/107

- sign -1988.476 $\pm$ 308.716 χ^2 /NDF: 62.0/55

cor_asym_at1_avg_rms vs Slug



Right In: 1873.173 $\pm$ 0.336 χ^2 /NDF: 665564.8/26

Left Out: 1817.524 $\pm$ 0.292 χ^2 /NDF: 12955.2/24

Right Out: 1891.054 $\pm$ 0.319 χ^2 /NDF: 743751.3/32

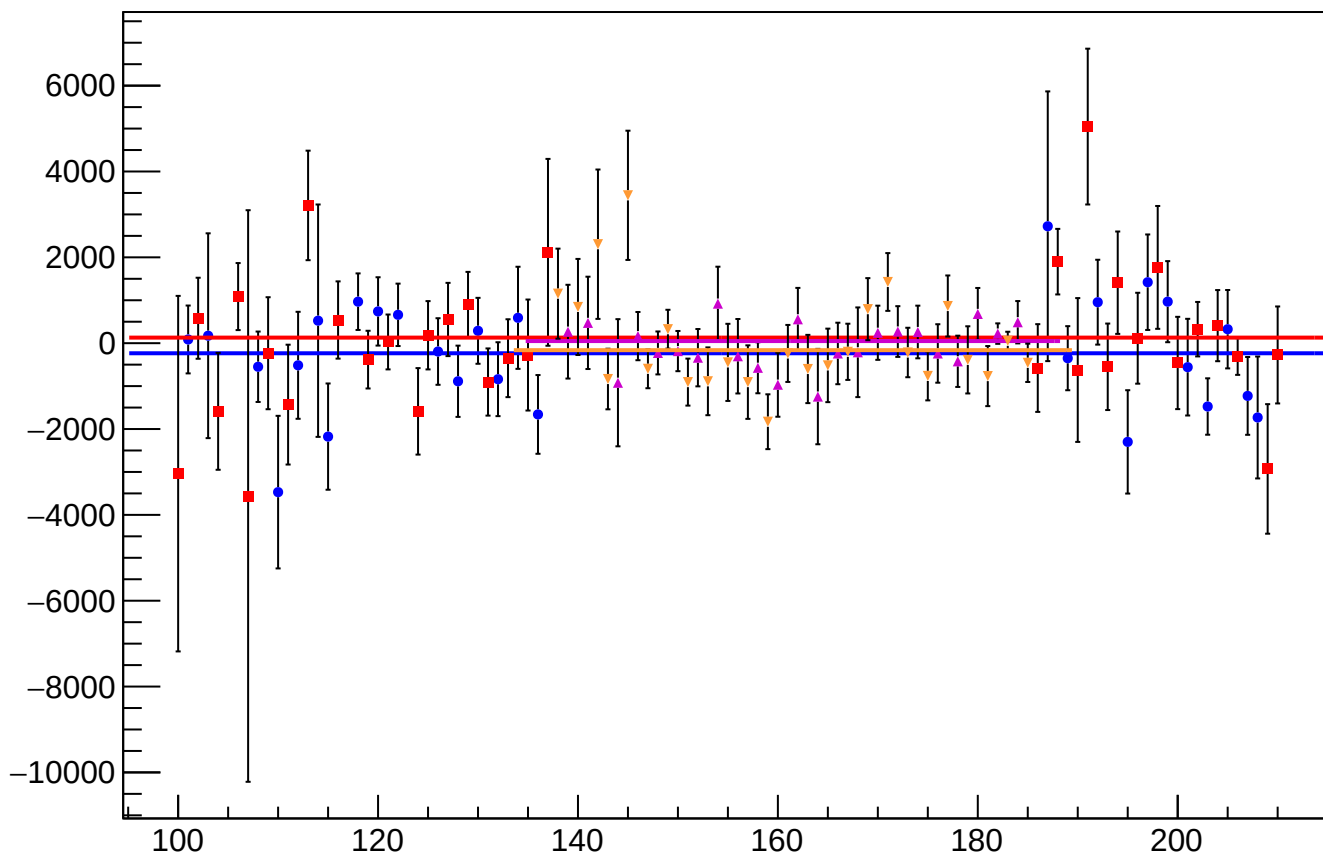
Left In: 1812.545 $\pm$ 0.299 χ^2 /NDF: 2013.0/22

+ sign 1841.444 $\pm$ 0.220 χ^2 /NDF: 694134.7/51

All: 1845.399 $\pm$ 0.155 χ^2 /NDF: 1472739.1/10

- sign 1849.276 $\pm$ 0.218 χ^2 /NDF: 777967.1/55

asym_at1_avg_cor_correction_mean vs Slug



Right In: -234.903 ± 181.383 χ^2/NDF : 32.5/26

Left Out: -162.911 ± 115.291 χ^2/NDF : 36.9/24

Right Out: 129.822 ± 161.798 χ^2/NDF : 41.4/32

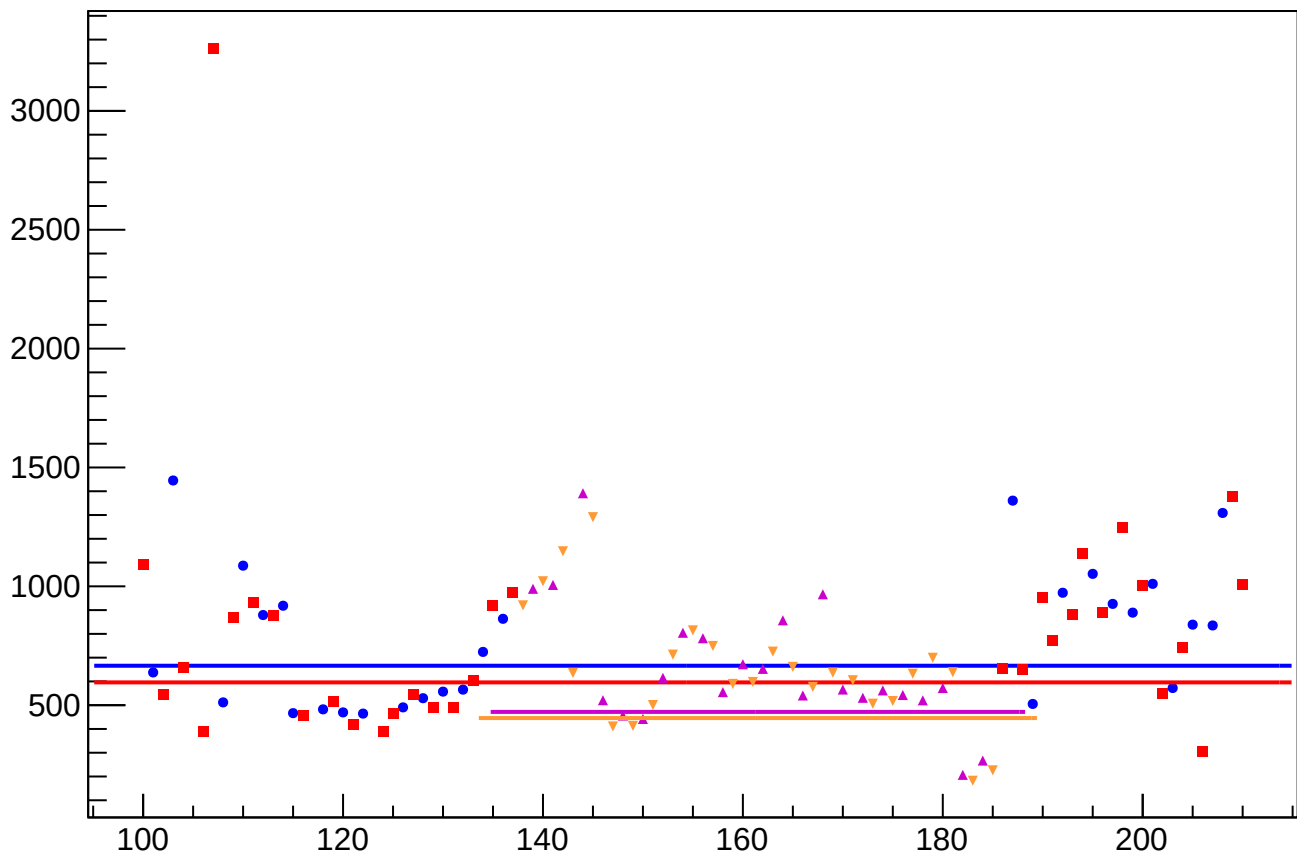
Left In: 49.310 ± 122.694 χ^2/NDF : 11.3/22

+ sign -183.627 ± 97.300 χ^2/NDF : 69.5/51

All: -53.085 ± 68.965 χ^2/NDF : 126.0/107

- sign 78.704 ± 97.763 χ^2/NDF : 52.9/55

asym_at1_avg_cor_correction_rms vs Slug



Right In: 665.976 ± 0.128 $\chi^2/\text{NDF}: 2867440.4/26$

Left Out: 445.867 ± 0.082 $\chi^2/\text{NDF}: 7983869.6/24$

Right Out: 595.918 ± 0.114 $\chi^2/\text{NDF}: 4776058.8/32$

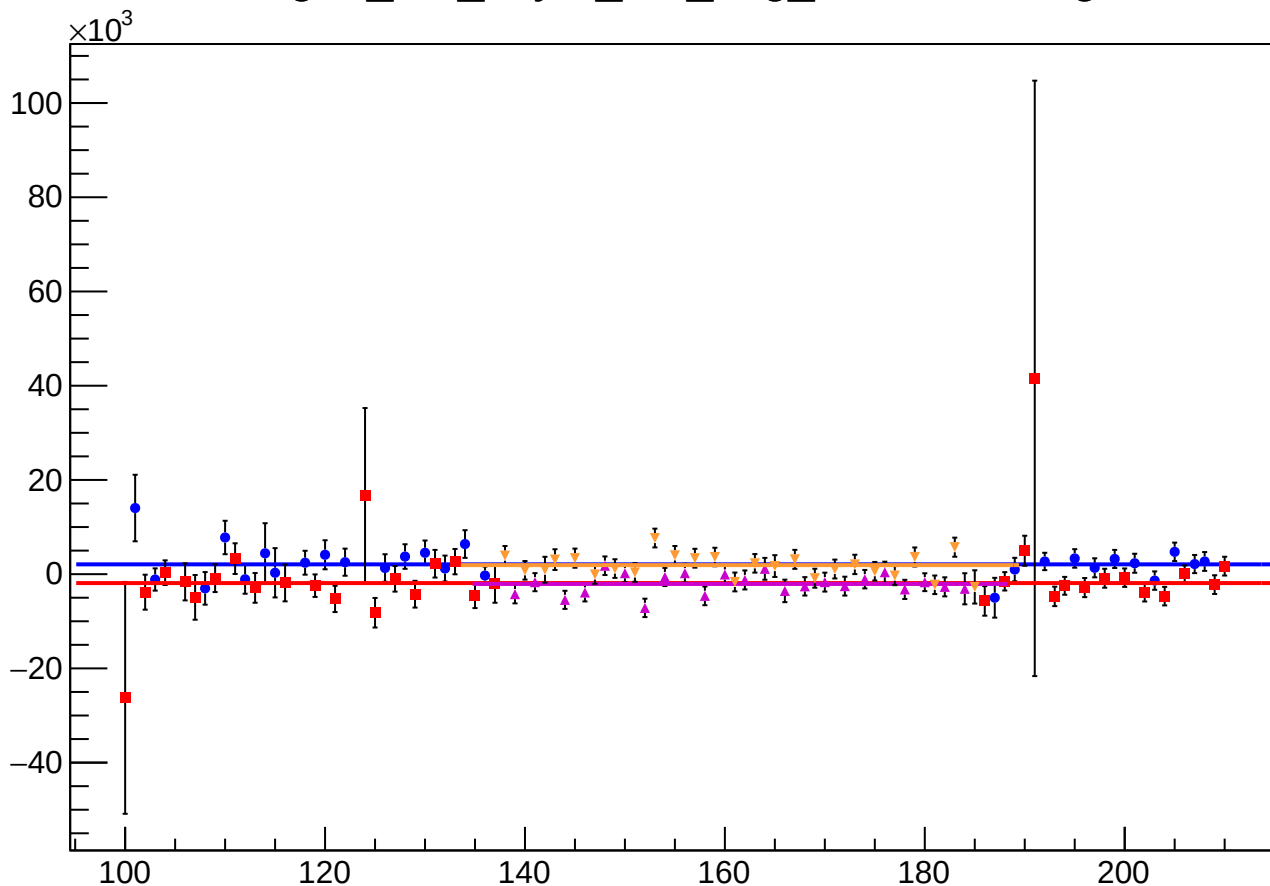
Left In: 471.757 ± 0.087 $\chi^2/\text{NDF}: 6413685.0/22$

+ sign 509.205 ± 0.069 $\chi^2/\text{NDF}: 12948989.2/51$

All: 513.128 ± 0.049 $\chi^2/\text{NDF}: 24893031.0/100$

- sign 517.088 ± 0.069 $\chi^2/\text{NDF}: 11937509.3/55$

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2082.588 $\pm$ 475.563 χ^2 /NDF: 25.5/26

Left Out: 1920.588 $\pm$ 412.915 χ^2 /NDF:32.5/24

Right Out: -1890.855 $\pm$ 451.336 χ^2 /NDF: 35.3/32

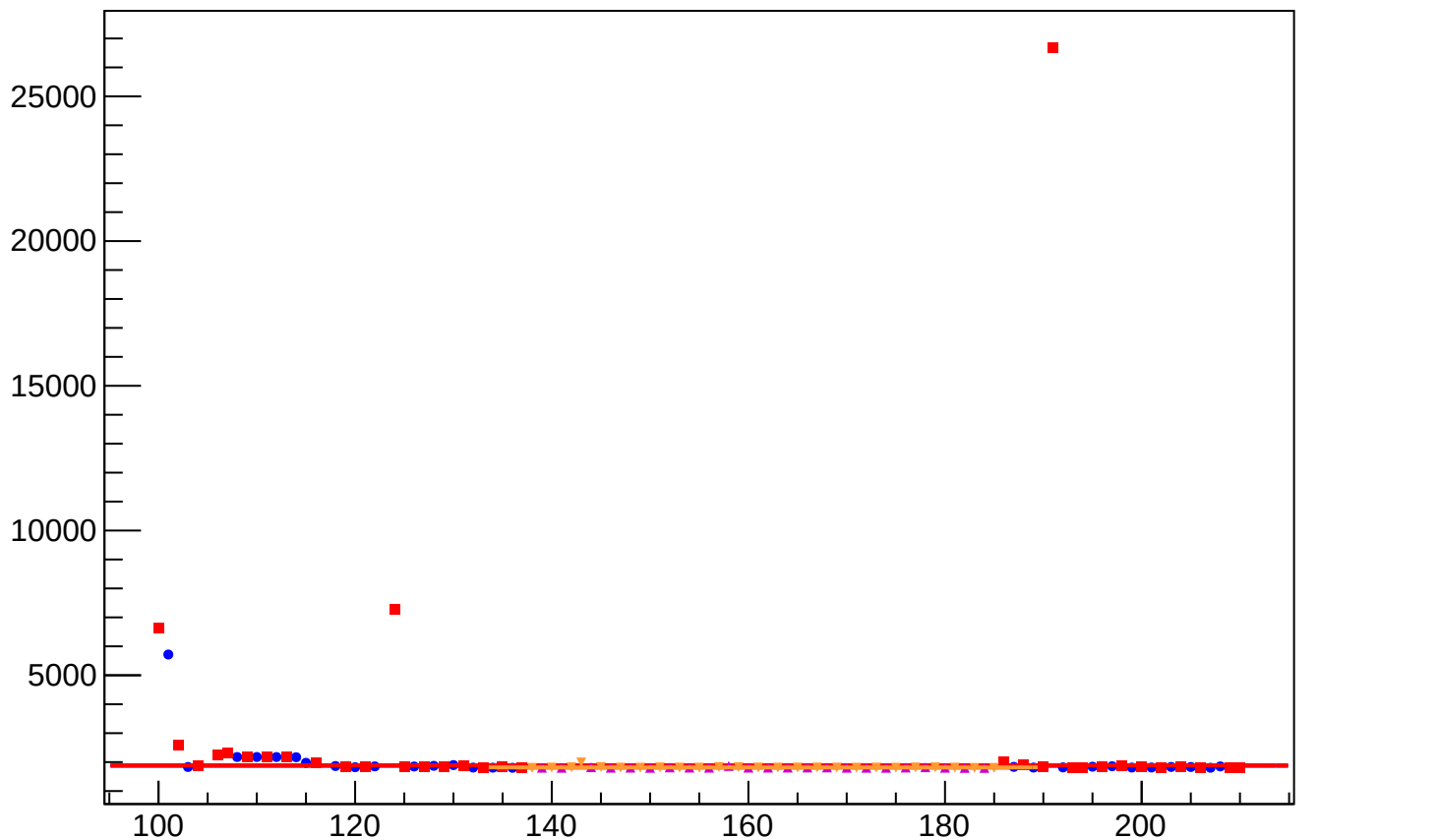
Left In: -2074.306 $\pm$ 423.203 χ^2 /NDF:26.5/22

+ sign 1990.221 $\pm$ 311.788 χ^2 /NDF: 58.1/51

All: -18.823 $\pm$ 219.373 χ^2 /NDF: 202.3/107

- sign -1988.476 $\pm$ 308.716 χ^2 /NDF: 62.0/55

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1873.173 $\pm$ 0.336 χ^2 /NDF: 665564.8/26

Left Out: 1817.524 $\pm$ 0.292 χ^2 /NDF: 12955.2/24

Right Out: 1891.054 $\pm$ 0.319 χ^2 /NDF: 743751.3/32

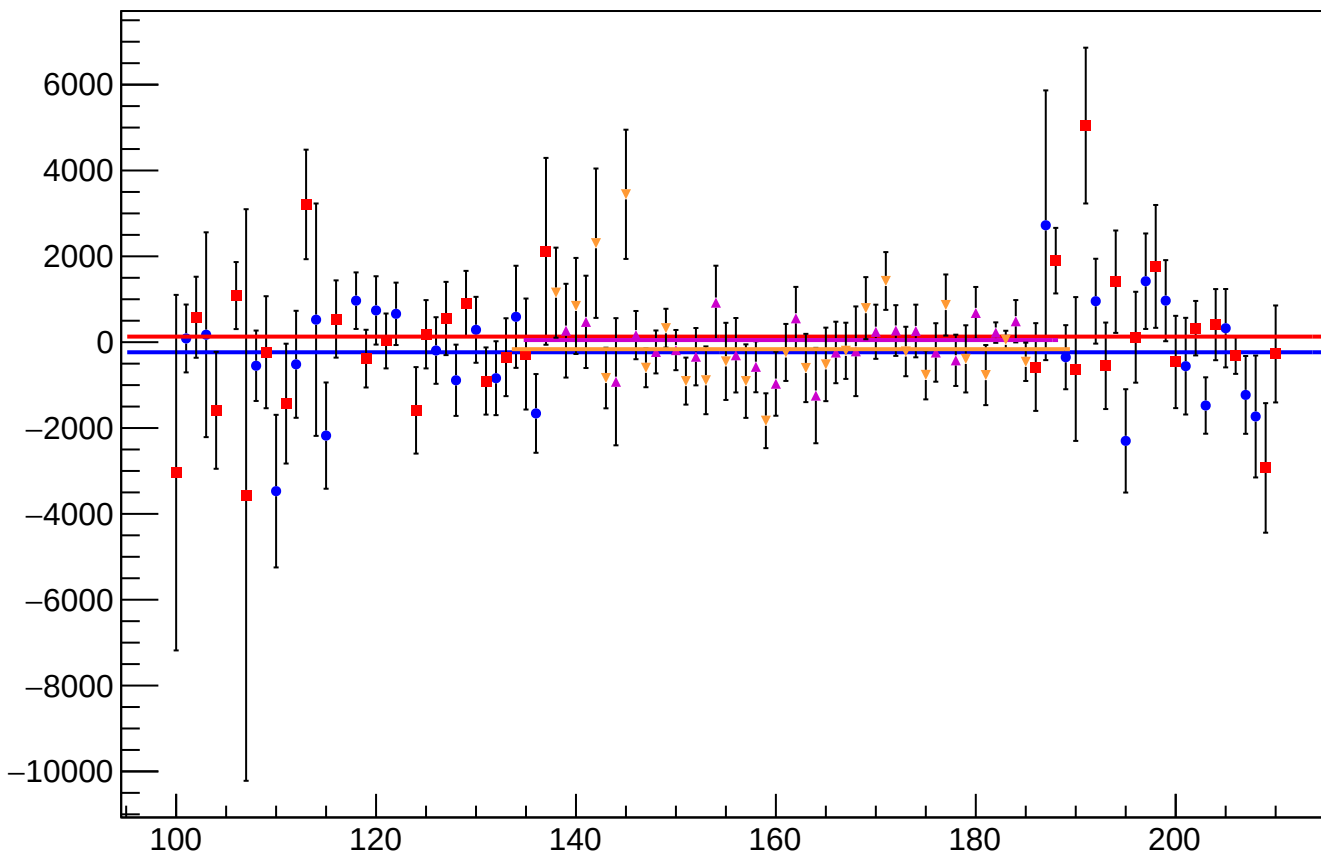
Left In: 1812.545 $\pm$ 0.299 χ^2 /NDF: 2013.0/22

+ sign 1841.444 $\pm$ 0.220 χ^2 /NDF: 694134.7/51

All: 1845.399 $\pm$ 0.155 χ^2 /NDF: 1472739.1/10

- sign 1849.276 $\pm$ 0.218 χ^2 /NDF: 777967.1/55

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -234.903+/-181.383 χ^2/NDF : 32.5/26

Left Out: -162.911+/-115.291 χ^2/NDF : 36.9/24

Right Out: 129.822+/-161.798 χ^2/NDF : 41.4/32

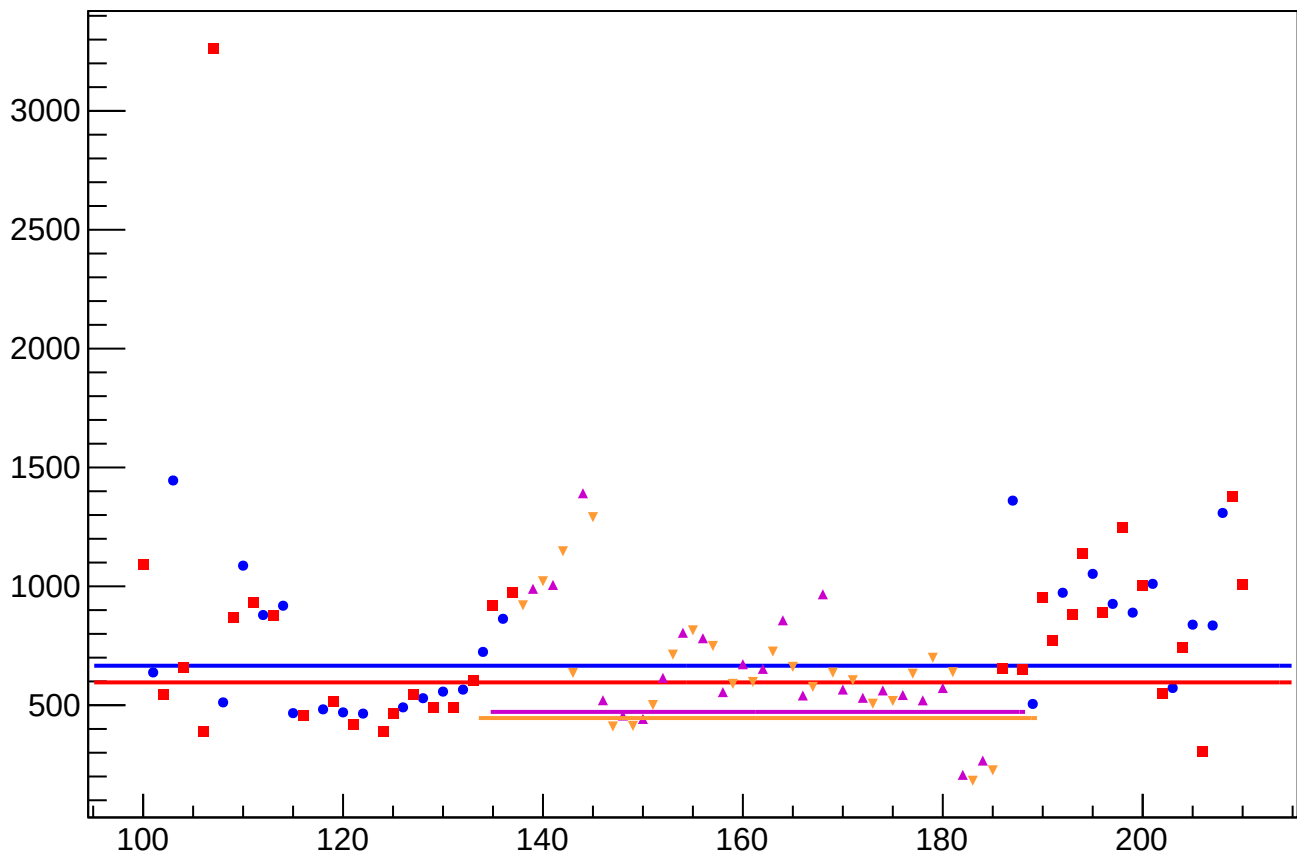
Left In: 49.310+/-122.694 χ^2/NDF : 11.3/22

+ sign -183.627+/-97.300 χ^2/NDF : 69.5/51

All: -53.085+/-68.965 χ^2/NDF : 126.0/107

- sign 78.704+/-97.763 χ^2/NDF : 52.9/55

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 665.976 ± 0.128 $\chi^2/\text{NDF}: 2867440.4/26$

Left Out: 445.867 ± 0.082 $\chi^2/\text{NDF}: 7983869.6/24$

Right Out: 595.918 ± 0.114 $\chi^2/\text{NDF}: 4776058.8/32$

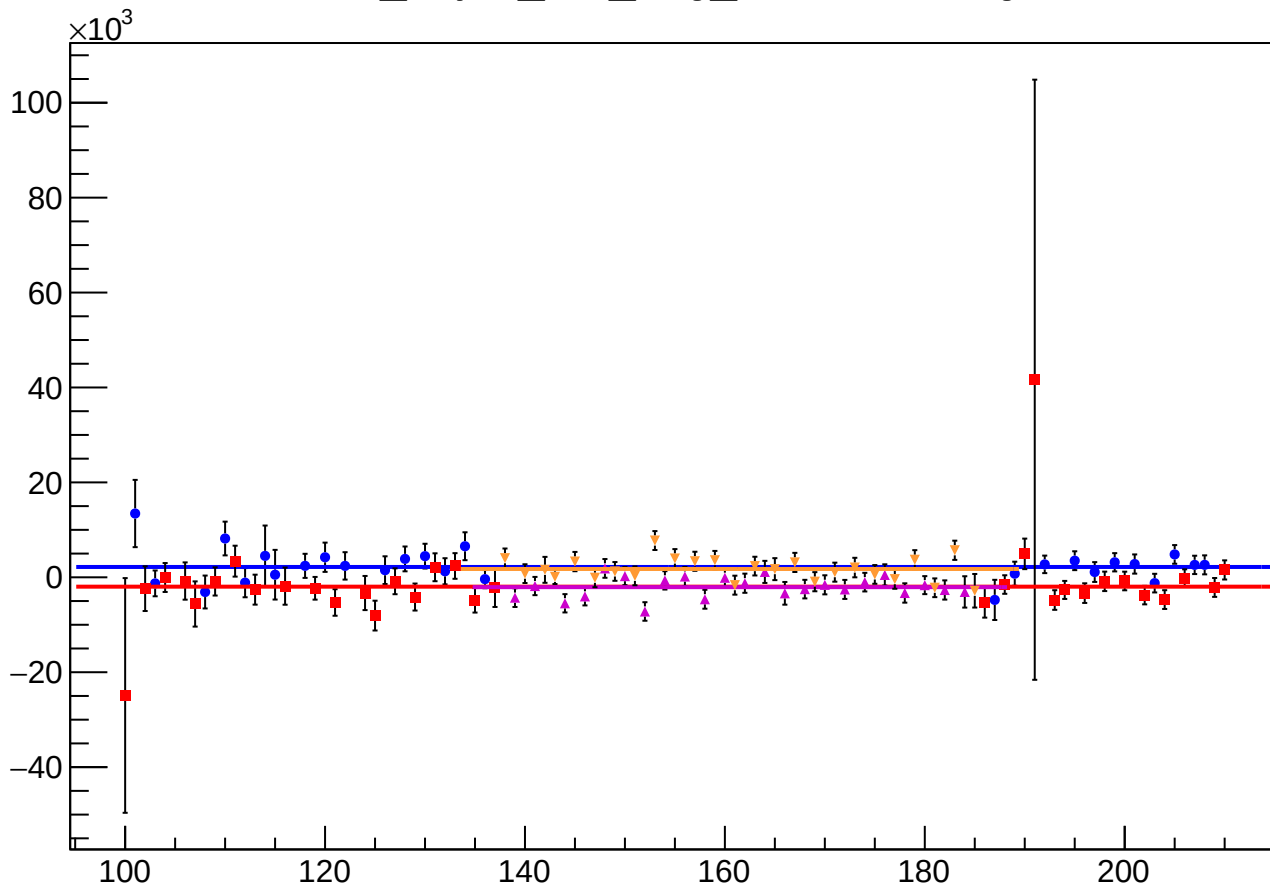
Left In: 471.757 ± 0.087 $\chi^2/\text{NDF}: 6413685.0/22$

+ sign 509.205 ± 0.069 $\chi^2/\text{NDF}: 12948989.2/51$

All: 513.128 ± 0.049 $\chi^2/\text{NDF}: 24893031.0/10$

- sign 517.088 ± 0.069 $\chi^2/\text{NDF}: 11937509.3/55$

dit_asym_at1_avg_mean vs Slug



Right In: 2178.618 $\pm$ 480.324 χ^2 /NDF: 25.6/26

Left Out: 1755.493 $\pm$ 405.401 χ^2 /NDF:33.8/24

Right Out: -1971.322 $\pm$ 453.785 χ^2 /NDF: 32.9/32

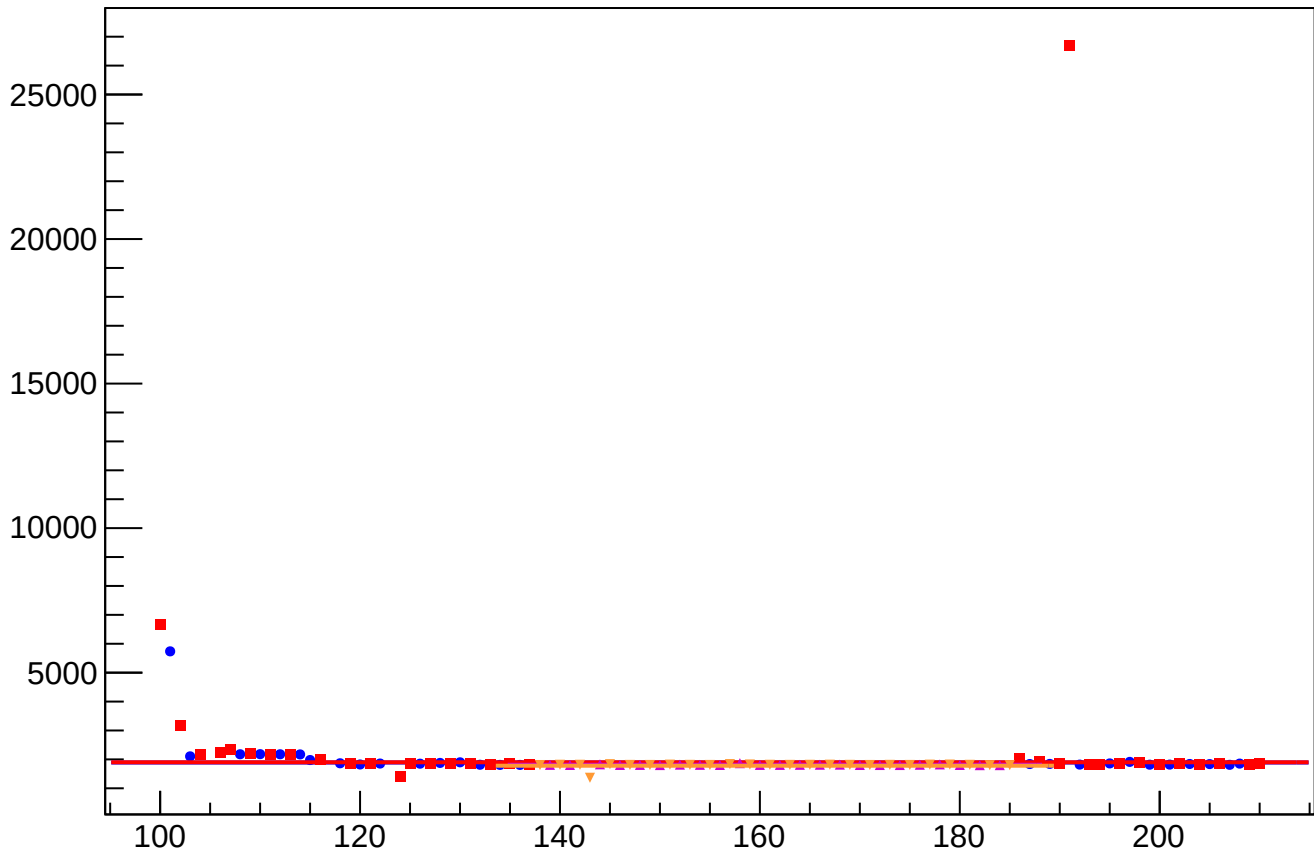
Left In: -2073.441 $\pm$ 423.648 χ^2 /NDF:27.0/22

+ sign 1931.518 $\pm$ 309.804 χ^2 /NDF: 59.8/51

All: -48.035 $\pm$ 219.018 χ^2 /NDF: 201.4/107

- sign -2025.885 $\pm$ 309.671 χ^2 /NDF: 59.9/55

dit_asym_at1_avg_rms vs Slug



Right In: 1891.358+/-0.340 χ^2/NDF : 676023.6/26

Left Out: 1780.913+/-0.287 χ^2/NDF : 164936.9/24

Right Out: 1899.960+/-0.321 χ^2/NDF : 696810.4/32

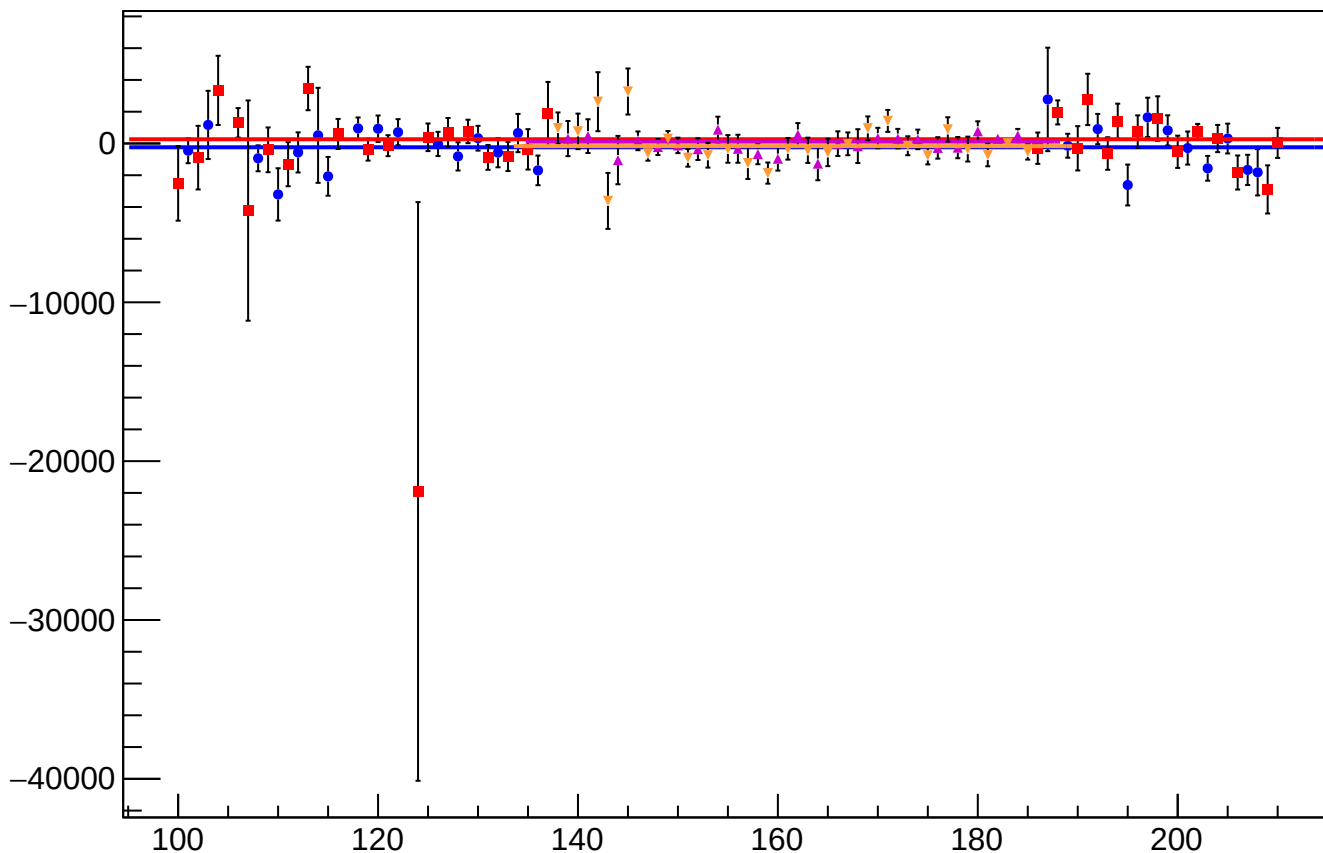
Left In: 1814.434+/-0.300 χ^2/NDF : 2094.6/22

+ sign 1826.859+/-0.219 χ^2/NDF : 902712.9/51

All: 1840.567+/-0.155 χ^2/NDF : 1647404.6/10

- sign 1854.263+/-0.219 χ^2/NDF : 736864.1/55

asym_at1_avg_dit_correction_mean vs Slug



Right In: -239.369 ± 187.595 χ^2/NDF : 33.3/26

Left Out: -167.909 ± 121.628 χ^2/NDF : 38.3/24

Right Out: 265.088 ± 174.866 χ^2/NDF : 40.9/32

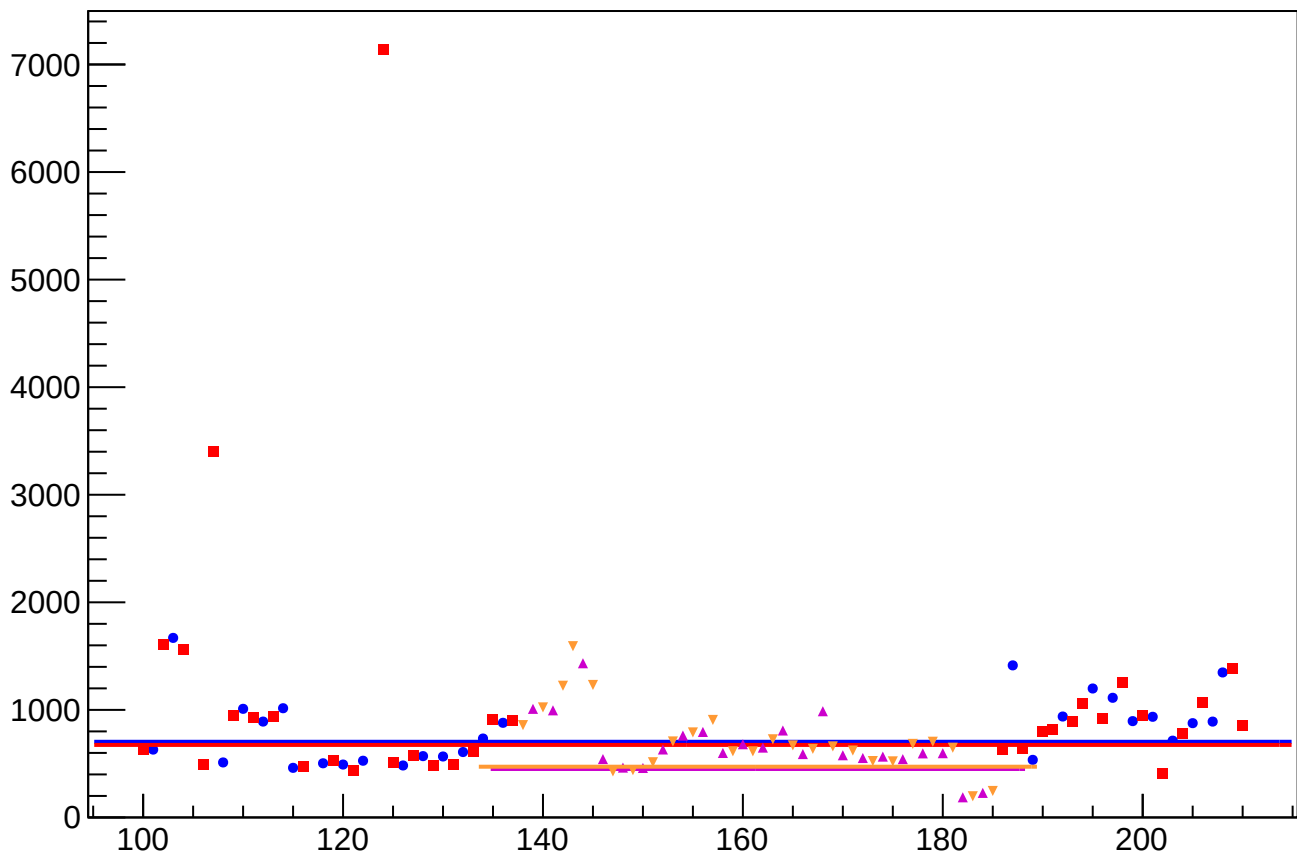
Left In: 117.211 ± 119.772 χ^2/NDF : 12.3/22

+ sign -189.058 ± 102.055 χ^2/NDF : 71.7/51

All: -6.612 ± 70.991 χ^2/NDF : 131.5/107

- sign 164.432 ± 98.815 χ^2/NDF : 53.6/55

asym_at1_avg_dit_correction_rms vs Slug



Right In: 703.509 $\pm$ 0.133 χ^2 /NDF: 3055008.6/26

Left Out: 471.777 $\pm$ 0.086 χ^2 /NDF: 8112666.9/24

Right Out: 674.365 $\pm$ 0.124 χ^2 /NDF: 4879634.0/32

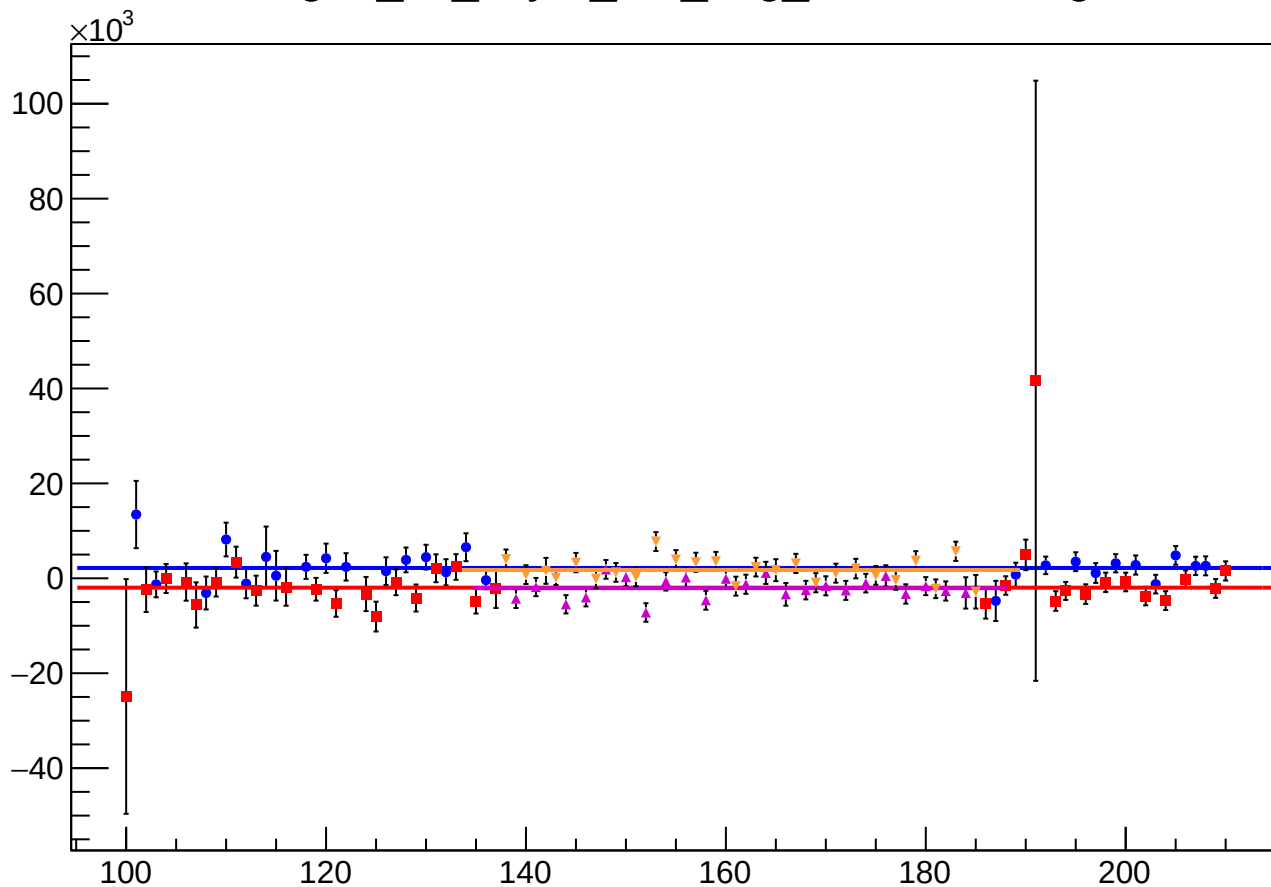
Left In: 450.652 $\pm$ 0.085 χ^2 /NDF: 7928332.5/22

+ sign 540.359 $\pm$ 0.072 χ^2 /NDF: 13316296.1/51

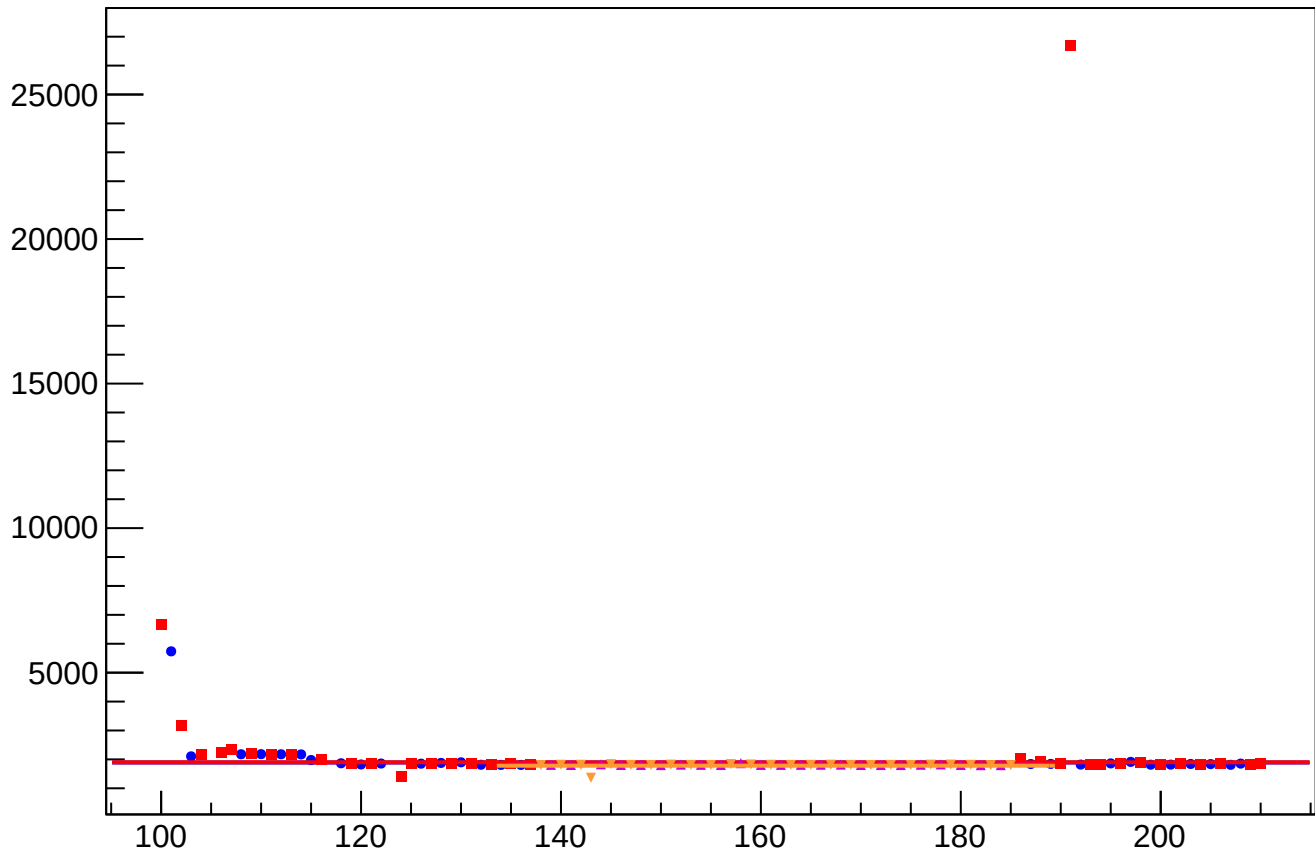
All: 530.930 $\pm$ 0.050 χ^2 /NDF: 28385475.4/100

- sign 522.090 $\pm$ 0.070 χ^2 /NDF: 15036098.9/55

eigen_dit_asym_at1_avg_mean vs Slug



eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1891.358+/-0.340 χ^2/NDF : 676023.2/26

Left Out: 1780.913+/-0.287 χ^2/NDF : 164936.9/24

Right Out: 1899.960+/-0.321 χ^2/NDF : 696809.0/32

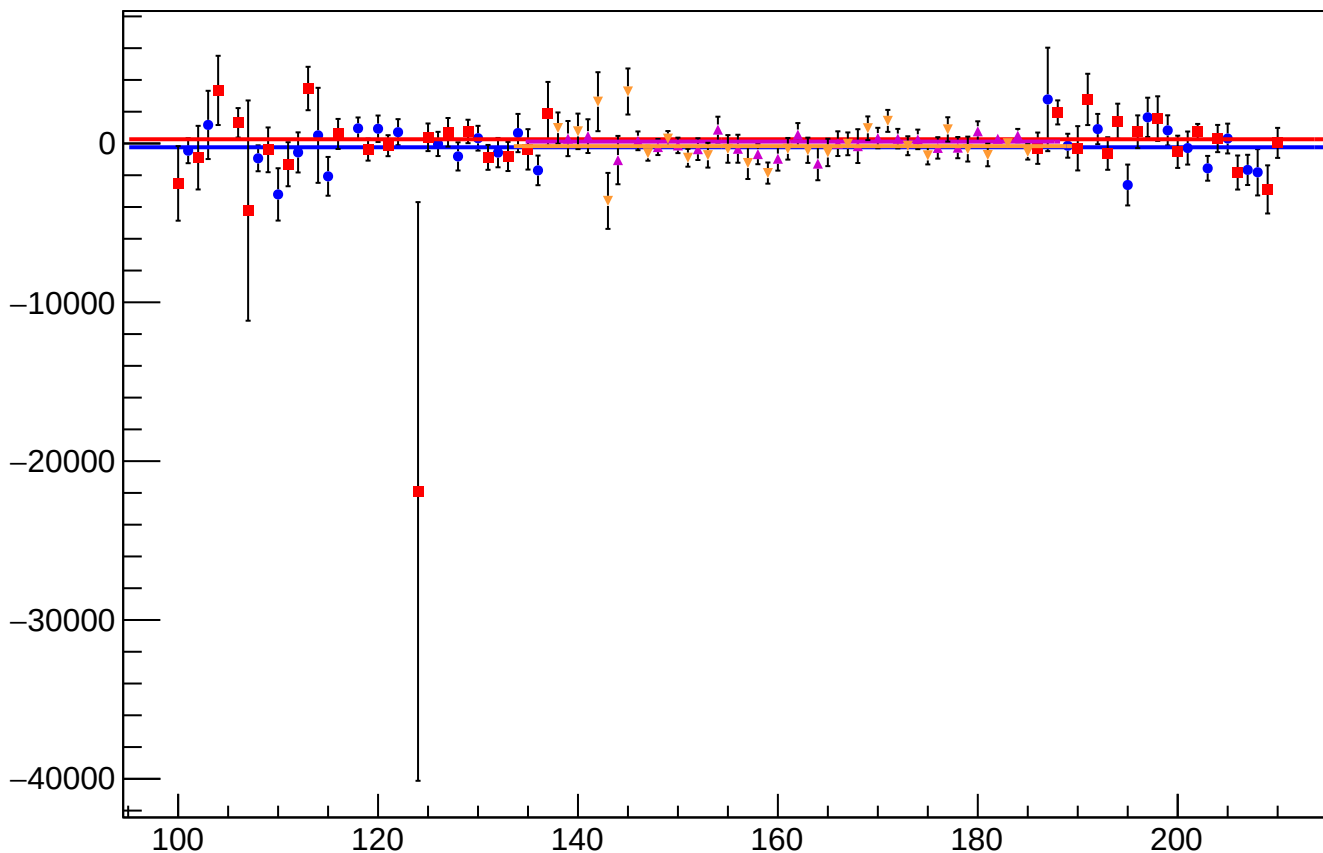
Left In: 1814.434+/-0.300 χ^2/NDF : 2094.6/22

+ sign 1826.859+/-0.219 χ^2/NDF : 902712.3/51

All: 1840.567+/-0.155 χ^2/NDF : 1647402.5/10

- sign 1854.263+/-0.219 χ^2/NDF : 736862.6/55

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -239.369 ± 187.595 χ^2/NDF : 33.3/26

Left Out: -167.909 ± 121.629 χ^2/NDF : 38.3/24

Right Out: 265.088 ± 174.866 χ^2/NDF : 40.9/32

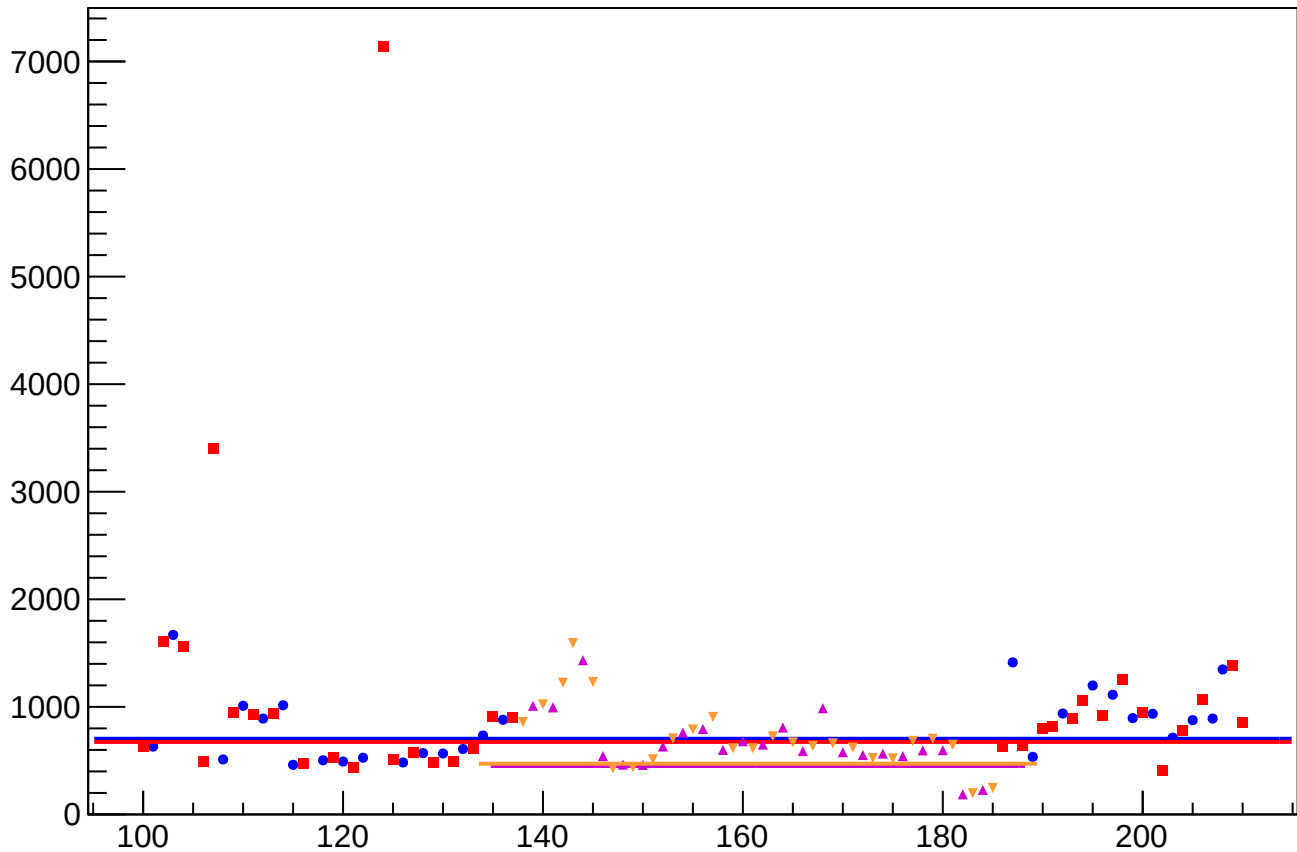
Left In: 117.211 ± 119.772 χ^2/NDF : 12.3/22

+ sign -189.058 ± 102.055 χ^2/NDF : 71.7/51

All: -6.612 ± 70.991 χ^2/NDF : 131.5/107

- sign 164.433 ± 98.815 χ^2/NDF : 53.6/55

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 703.509 $\pm$ 0.133 χ^2 /NDF: 3055034.9/26

Left Out: 471.778 $\pm$ 0.086 χ^2 /NDF: 8112665.9/24

Right Out: 674.365 $\pm$ 0.124 χ^2 /NDF: 4879648.0/32

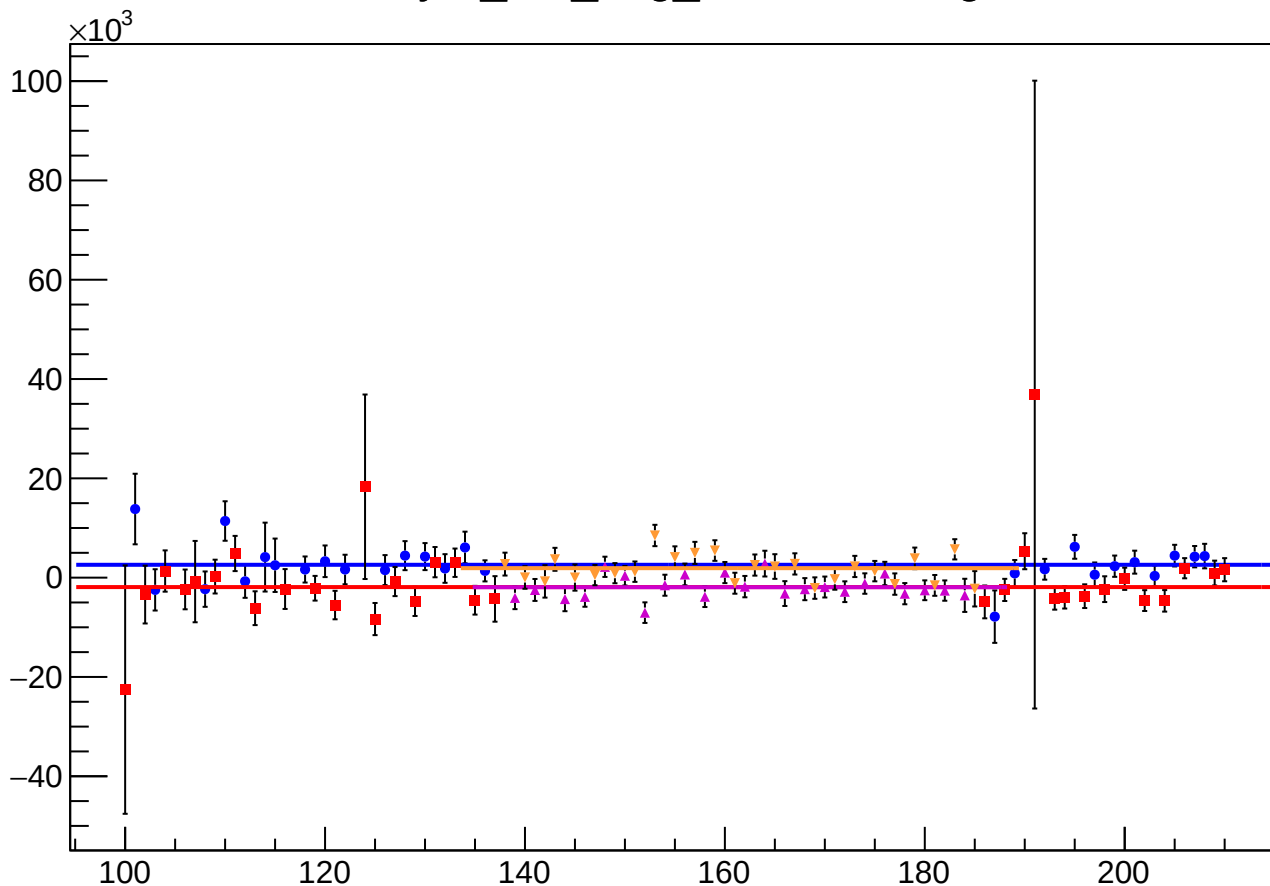
Left In: 450.653 $\pm$ 0.085 χ^2 /NDF: 7928317.5/22

+ sign 540.360 $\pm$ 0.072 χ^2 /NDF: 13316299.5/51

All: 530.931 $\pm$ 0.050 χ^2 /NDF: 28385457.8/10

- sign 522.091 $\pm$ 0.070 χ^2 /NDF: 15036079.1/55

asym_at1_avg_mean vs Slug



Right In: 2589.080 ± 535.737 χ^2/NDF : 25.0/26

Left Out: 1907.369 ± 443.523 χ^2/NDF : 36.3/24

Right Out: -1899.926 ± 513.111 χ^2/NDF : 40.1/32

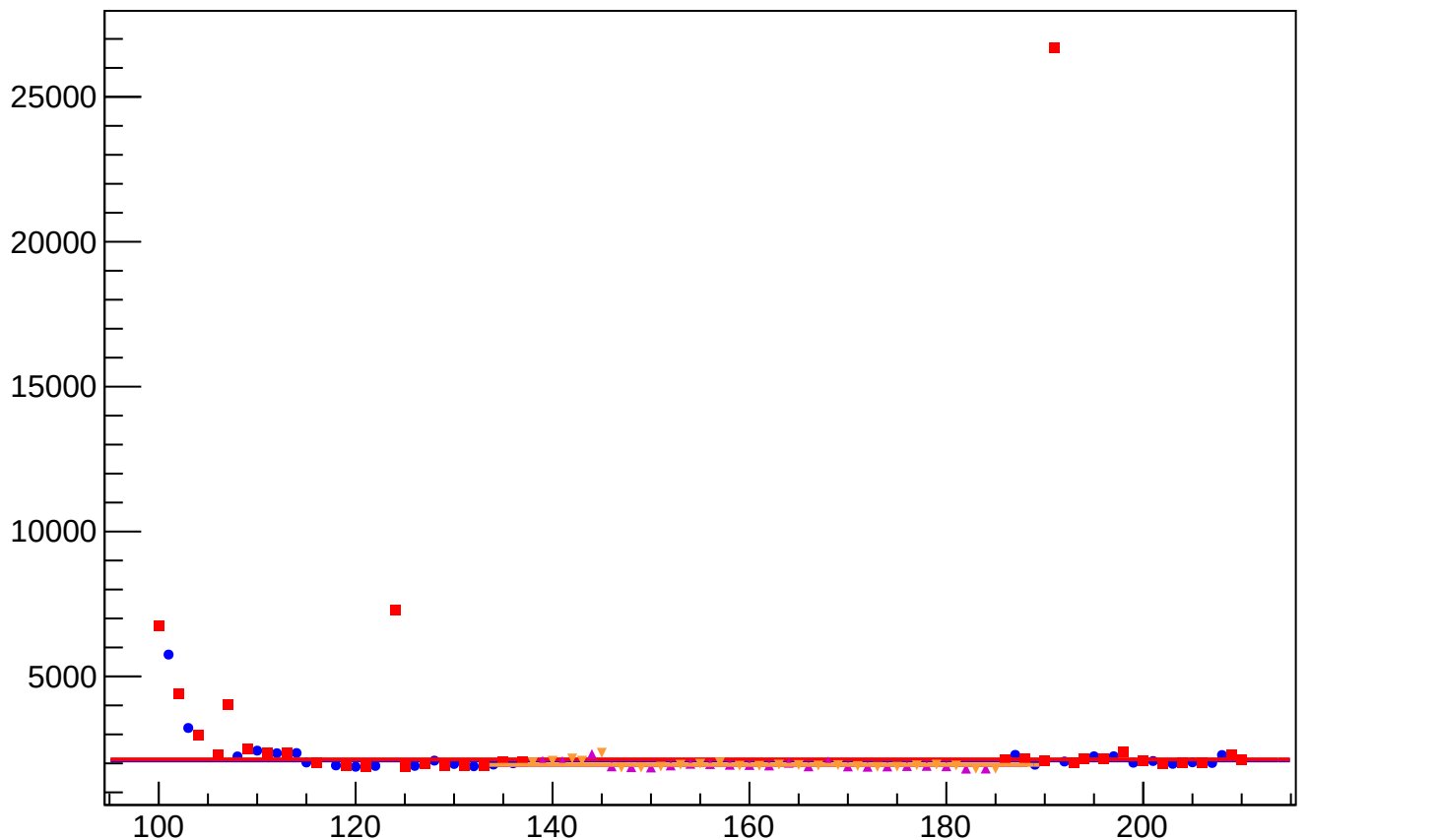
Left In: -1926.570 ± 454.880 χ^2/NDF : 24.8/22

+ sign 2184.594 ± 341.639 χ^2/NDF : 62.3/51

All: 127.321 ± 241.130 χ^2/NDF : 199.4/107

- sign -1914.845 ± 340.383 χ^2/NDF : 64.9/55

asym_at1_avg_rms vs Slug



Right In: 2103.096+/-0.379 χ^2/NDF : 809703.7/26

Left Out: 1949.001+/-0.314 χ^2/NDF : 108523.9/24

Right Out: 2137.395+/-0.363 χ^2/NDF : 1186215.5/32

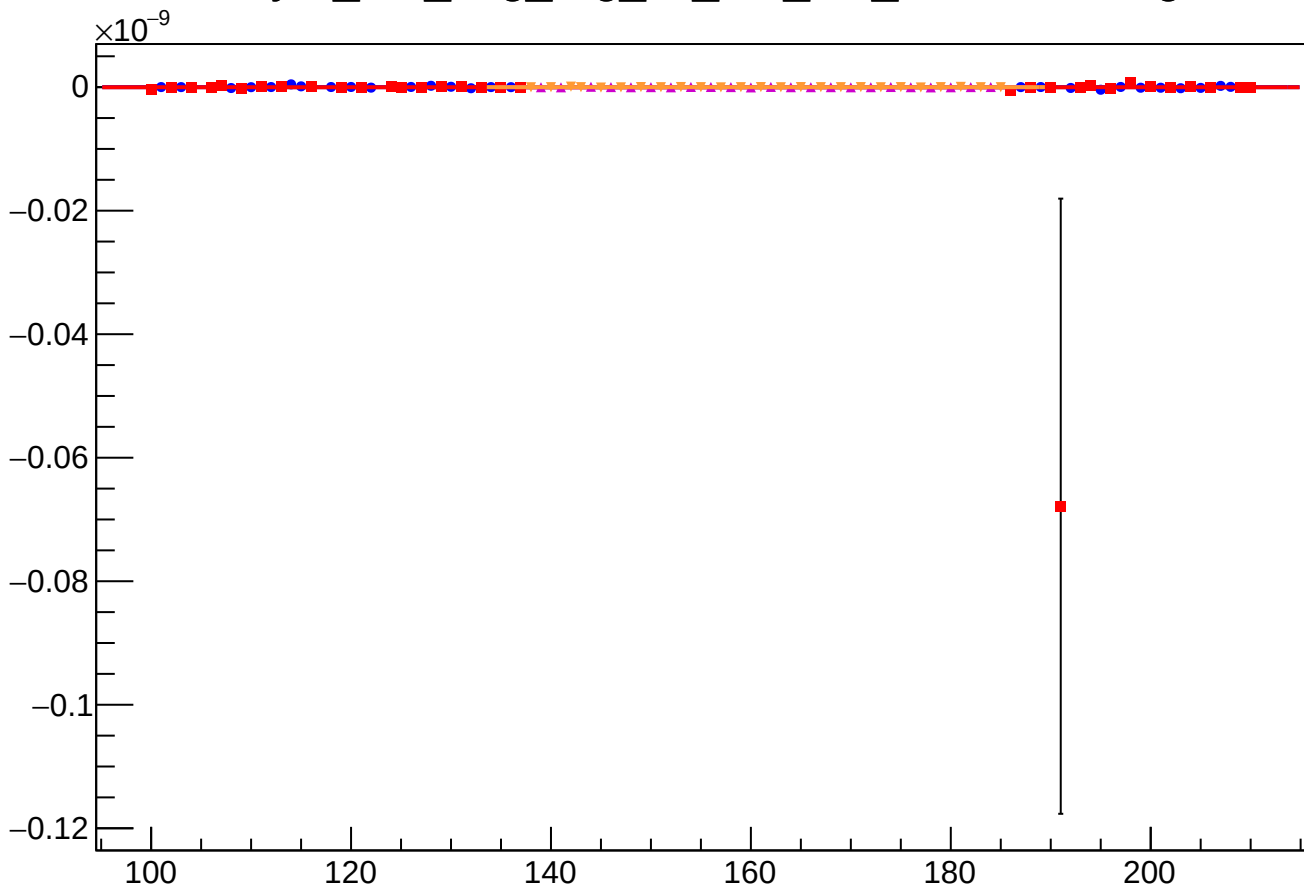
Left In: 1945.132+/-0.322 χ^2/NDF : 95954.5/22

+ sign 2011.666+/-0.242 χ^2/NDF : 1016403.9/51

All: 2020.736+/-0.171 χ^2/NDF : 2458615.4/10

- sign 2029.740+/-0.241 χ^2/NDF : 1439402.3/55

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 33.5/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :28.7/24

Right Out: -0.000 $\pm$ 0.000 χ^2/NDF : 30.9/32

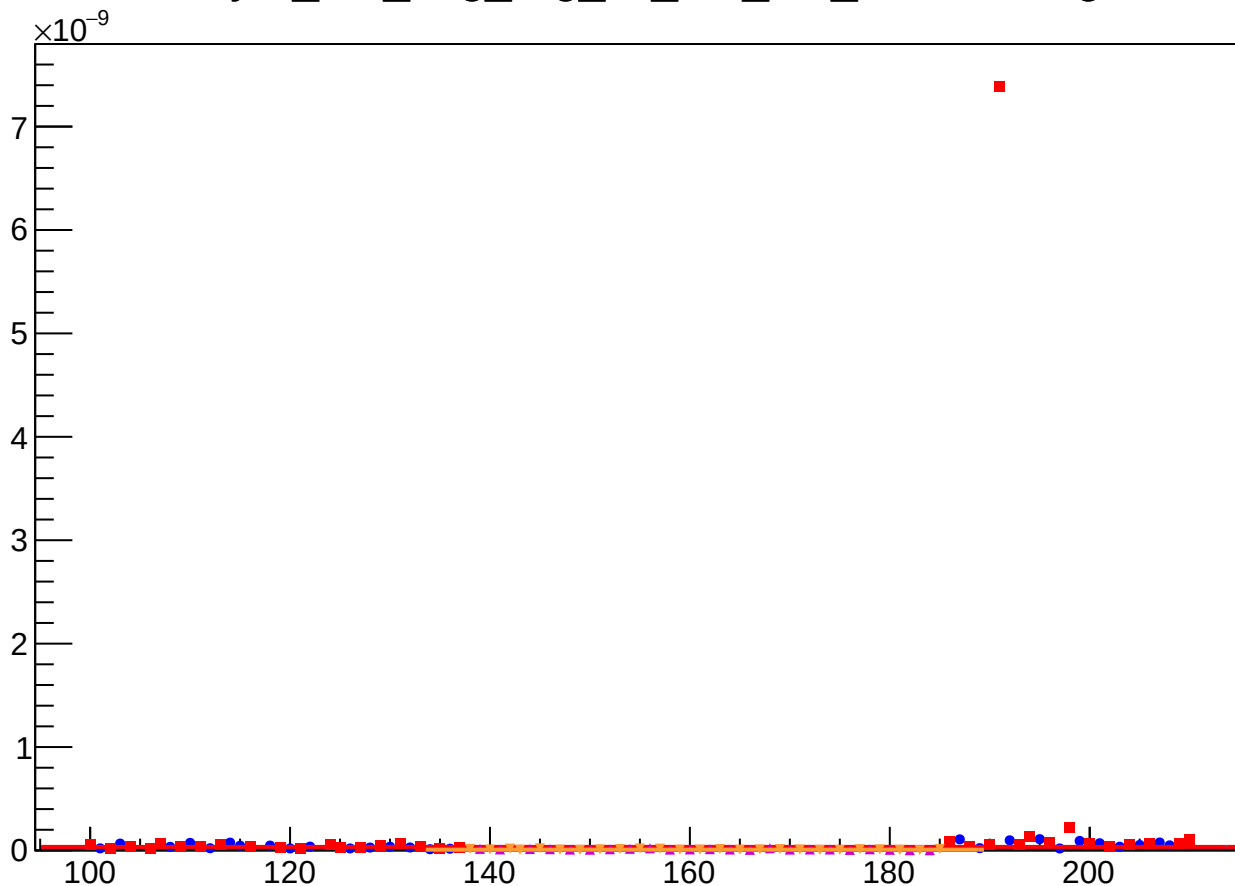
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :31.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 62.3/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 126.0/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 63.4/55

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3478351.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2160933.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3635029.0/32

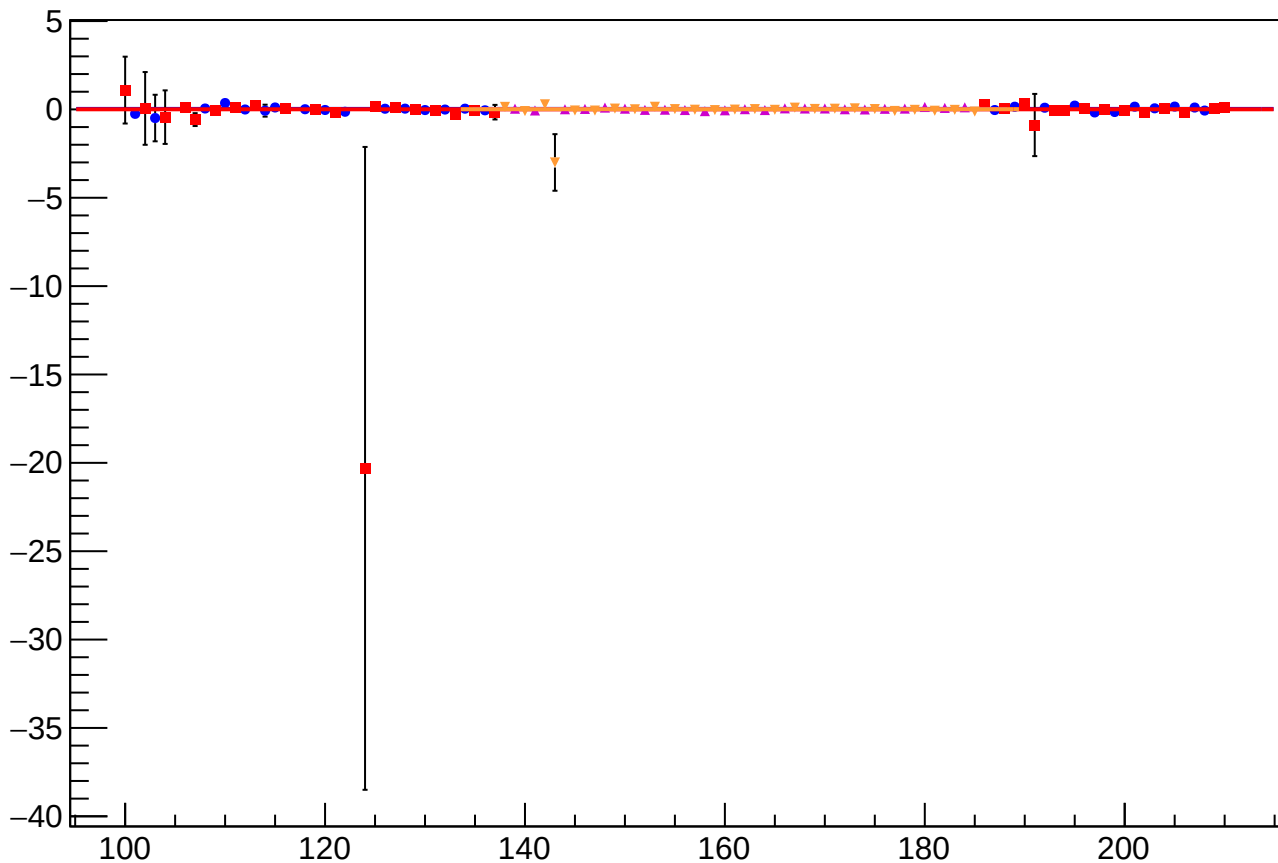
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2613869.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9410433.7/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 21192327.1/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11778059.8/55

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.021 χ^2/NDF : 23.5/26

Left Out: 0.011 ± 0.012 χ^2/NDF : 29.6/24

Right Out: 0.006 ± 0.019 χ^2/NDF : 30.5/32

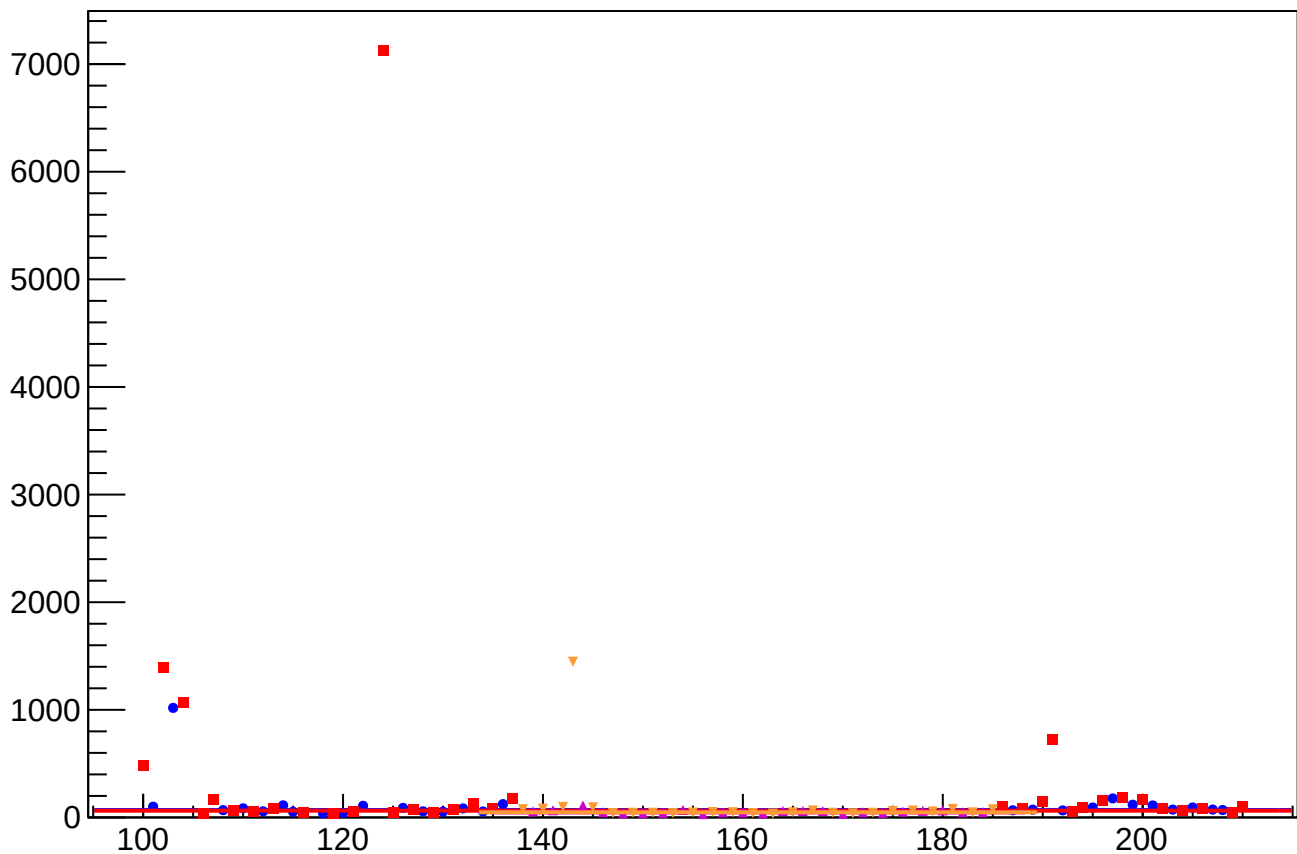
Left In: 0.018 ± 0.012 χ^2/NDF : 20.3/22

+ sign 0.016 ± 0.011 χ^2/NDF : 53.6/51

All: 0.015 ± 0.007 χ^2/NDF : 104.7/107

- sign 0.015 ± 0.010 χ^2/NDF : 51.1/55

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 68.431+/-0.015 χ^2/NDF : 3883382.5/26

Left Out: 47.901+/-0.009 χ^2/NDF : 3496596.6/24

Right Out: 63.238+/-0.013 χ^2/NDF : 6573490.3/32

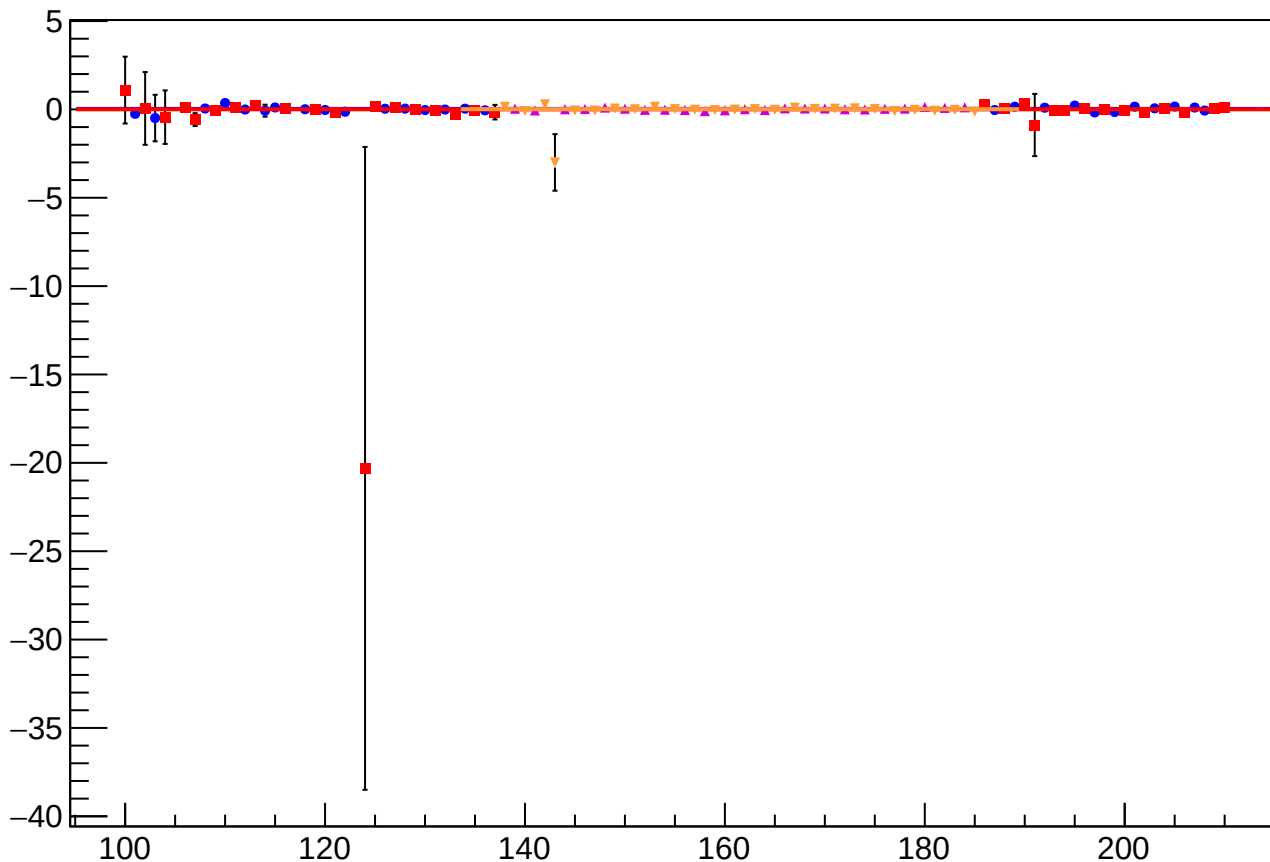
Left In: 46.786+/-0.009 χ^2/NDF : 1949486.1/22

+ sign 53.395+/-0.008 χ^2/NDF : 8837272.4/51

All: 52.462+/-0.005 χ^2/NDF : 18442127.7/107

- sign 51.587+/-0.007 χ^2/NDF : 9575097.8/55

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.021 χ^2/NDF : 23.5/26

Left Out: 0.011 ± 0.012 χ^2/NDF : 29.6/24

Right Out: 0.006 ± 0.019 χ^2/NDF : 30.5/32

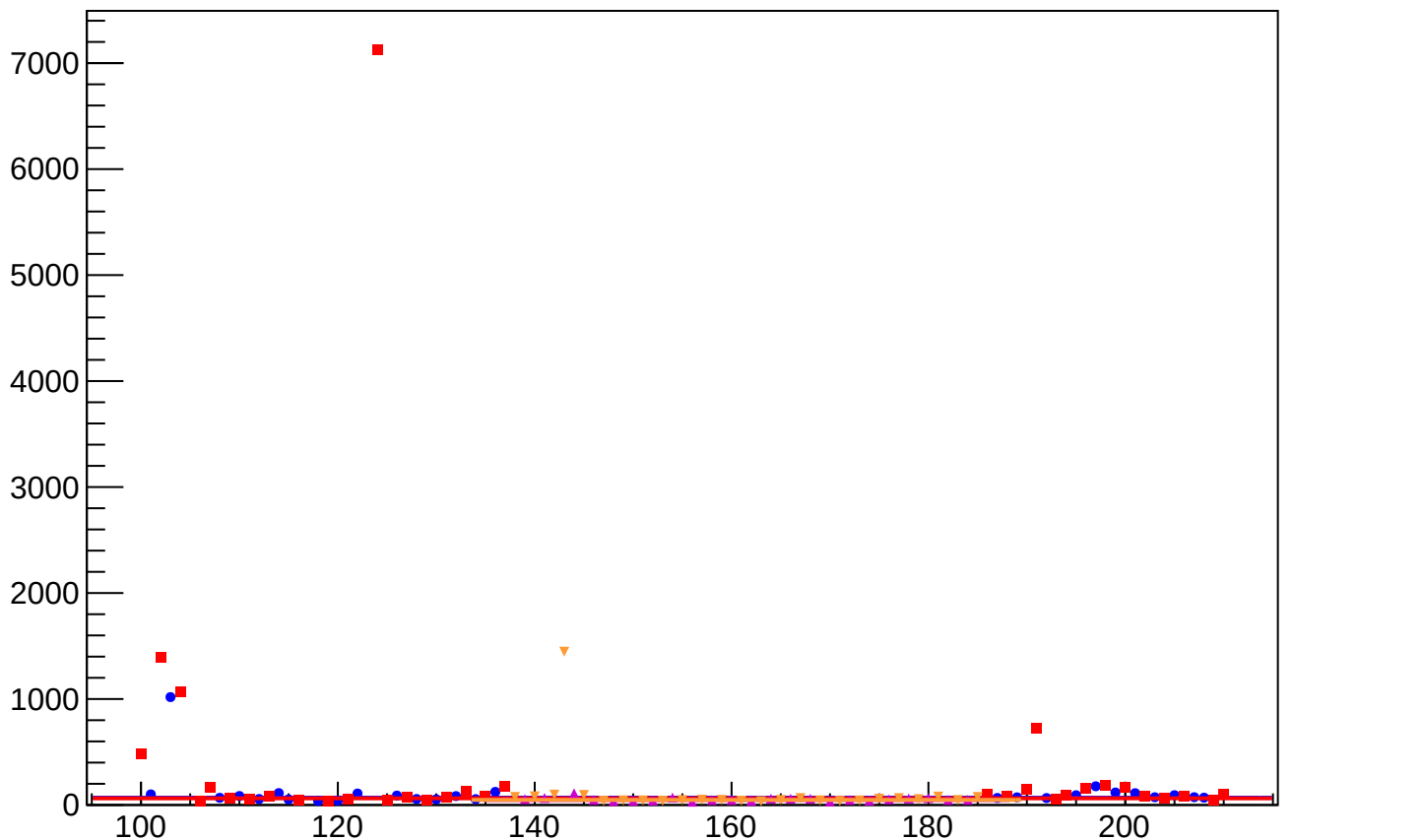
Left In: 0.018 ± 0.012 χ^2/NDF : 20.3/22

+ sign 0.016 ± 0.011 χ^2/NDF : 53.6/51

All: 0.015 ± 0.007 χ^2/NDF : 104.7/107

- sign 0.015 ± 0.010 χ^2/NDF : 51.1/55

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.431+/-0.015 χ^2/NDF : 3883382.5/26

Left Out: 47.901+/-0.009 χ^2/NDF : 3496596.6/24

Right Out: 63.238+/-0.013 χ^2/NDF : 6573490.3/32

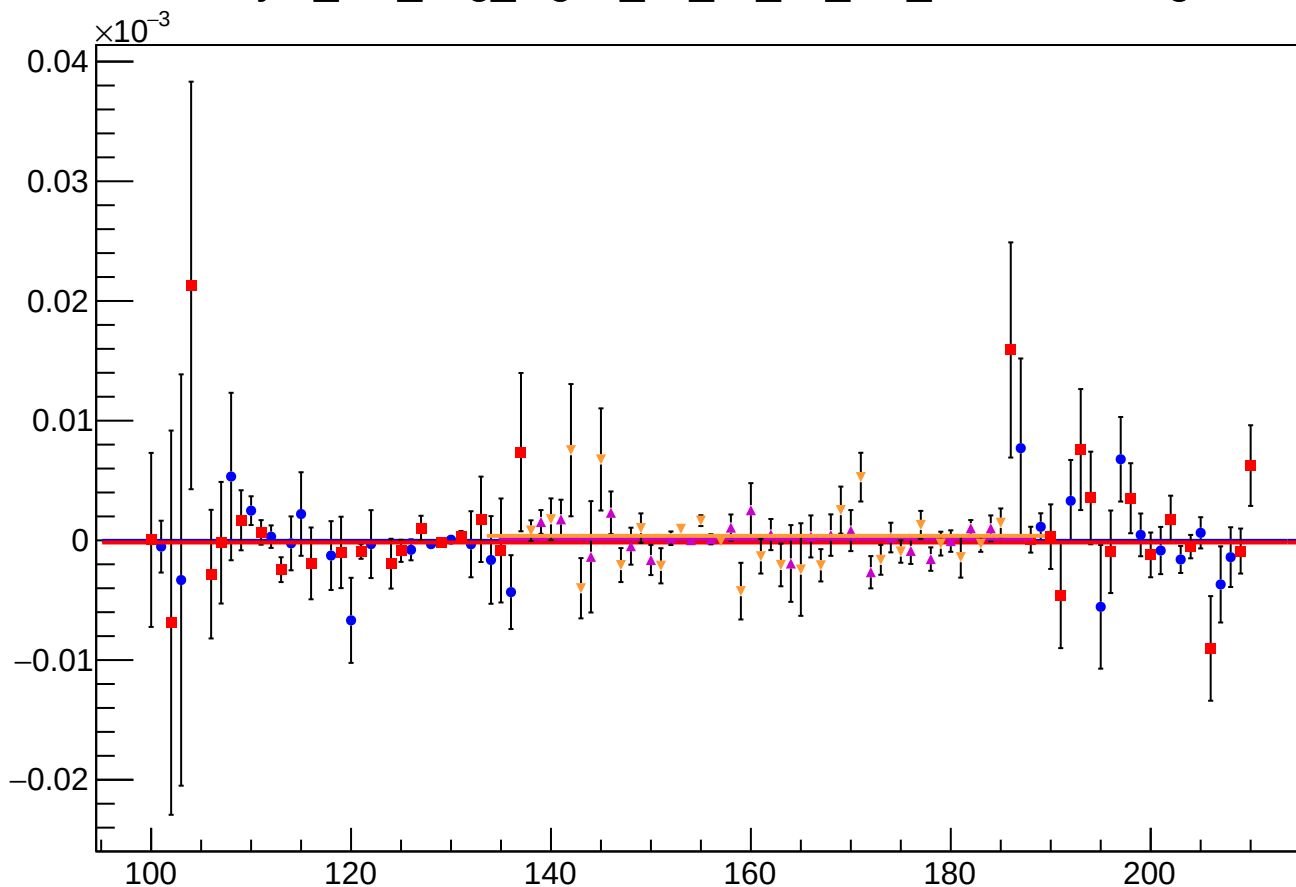
Left In: 46.786+/-0.009 χ^2/NDF : 1949486.1/22

+ sign 53.395+/-0.008 χ^2/NDF : 8837272.4/51

All: 52.462+/-0.005 χ^2/NDF : 18442127.7/107

- sign 51.587+/-0.007 χ^2/NDF : 9575097.8/55

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.8/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 51.7/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 34.1/32

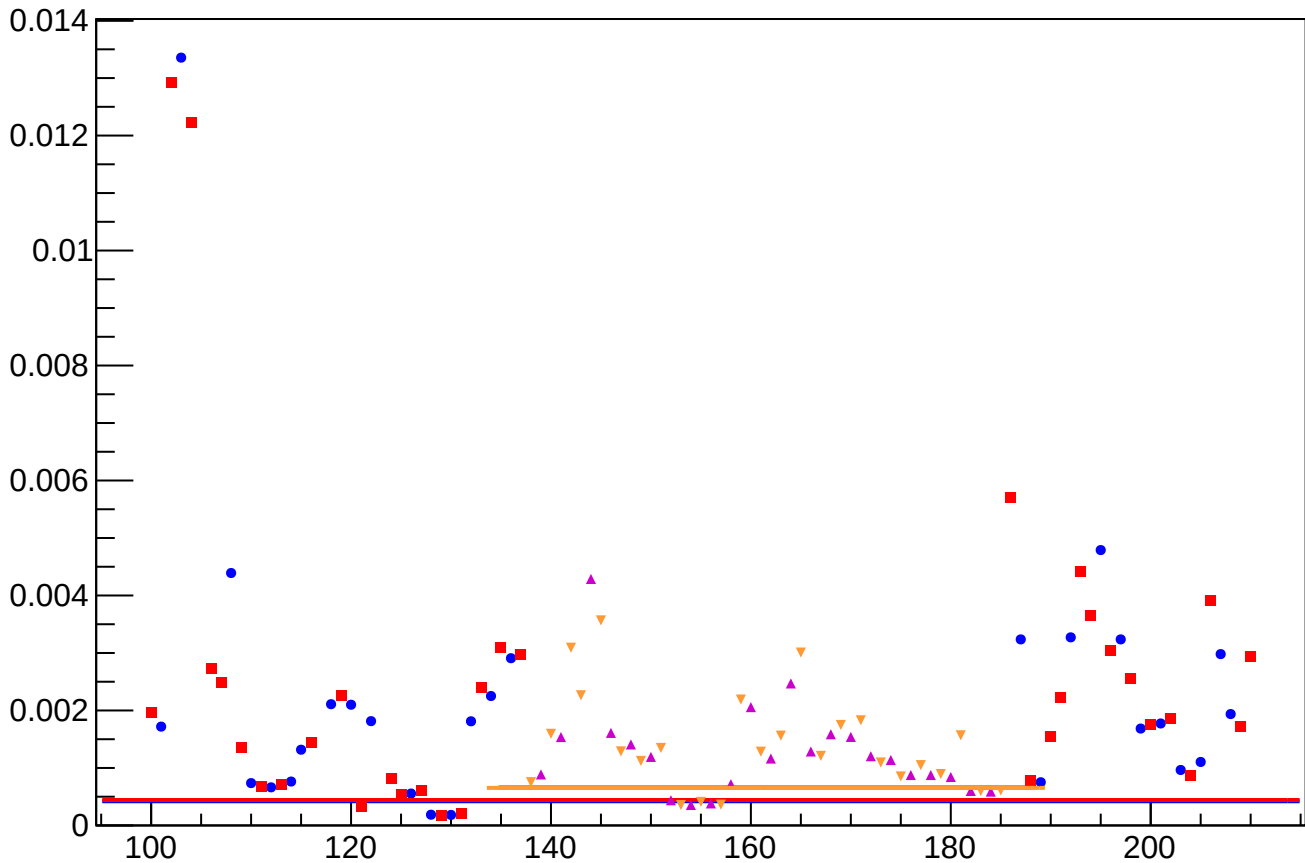
Left In: 0.000 ± 0.000 χ^2/NDF : 19.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 79.2/51

All: 0.000 ± 0.000 χ^2/NDF : 135.7/107

- sign -0.000 ± 0.000 χ^2/NDF : 55.5/55

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18971262.0/26

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:12083891.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20854472.9/32

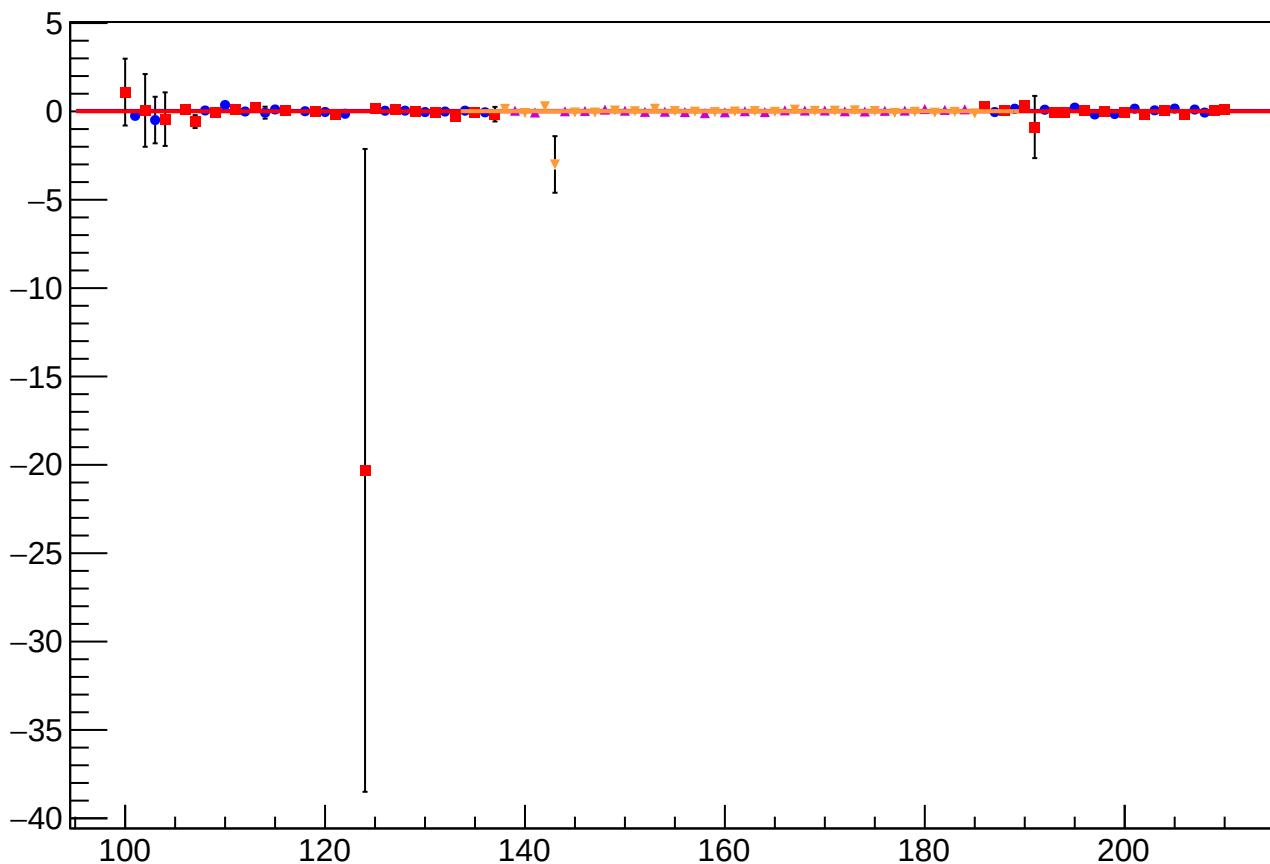
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:9695095.3/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 32675508.4/51

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 64622124.6/107

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 31940128.3/55

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.021 χ^2/NDF : 23.5/26

Left Out: 0.011 ± 0.012 χ^2/NDF : 29.6/24

Right Out: 0.006 ± 0.019 χ^2/NDF : 30.5/32

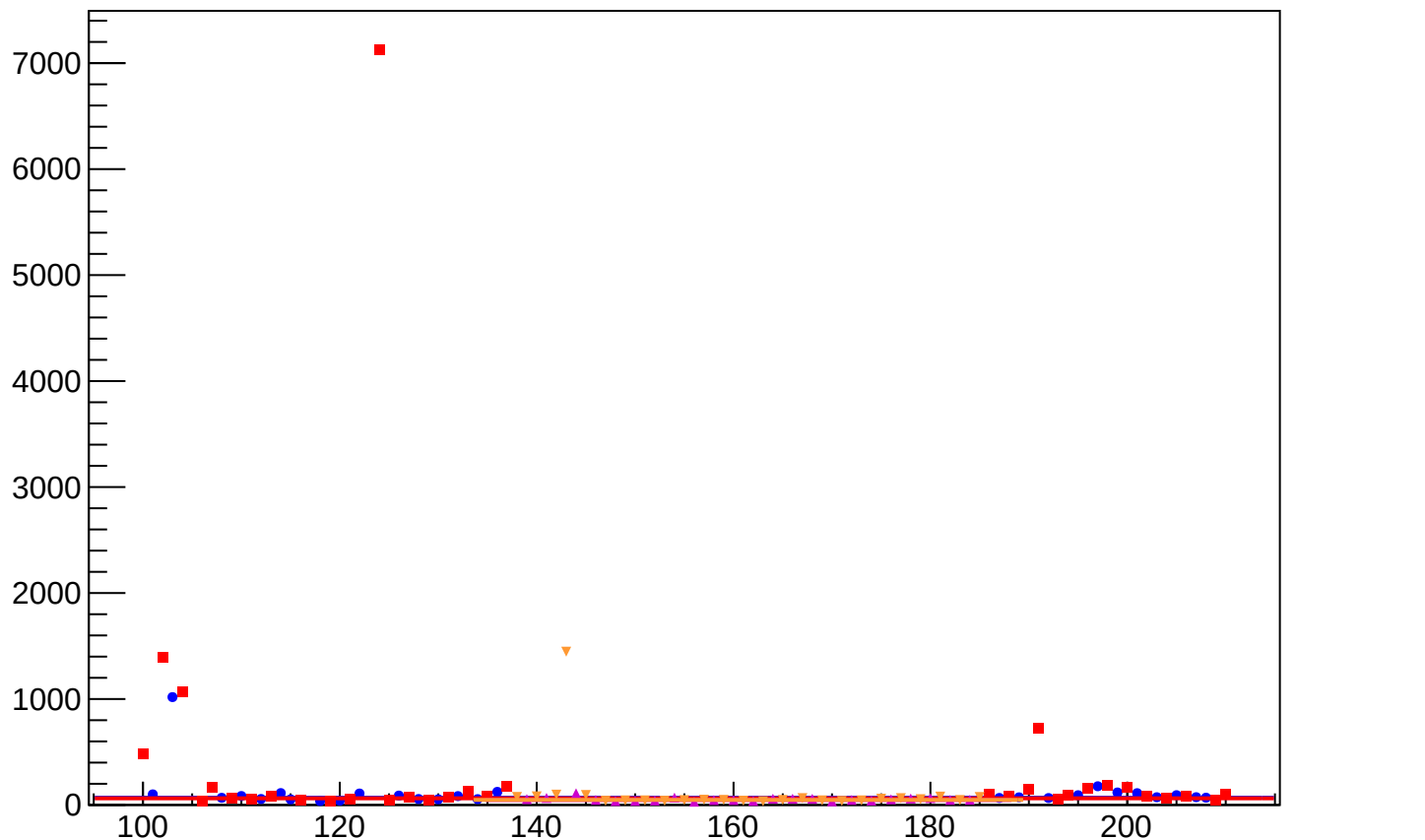
Left In: 0.018 ± 0.012 χ^2/NDF : 20.3/22

+ sign 0.016 ± 0.011 χ^2/NDF : 53.6/51

All: 0.015 ± 0.007 χ^2/NDF : 104.7/107

- sign 0.015 ± 0.010 χ^2/NDF : 51.1/55

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.431+/-0.015 χ^2/NDF : 3883438.6/26

Left Out: 47.902+/-0.009 χ^2/NDF :3496571.8/24

Right Out: 63.238+/-0.013 χ^2/NDF : 6573701.0/32

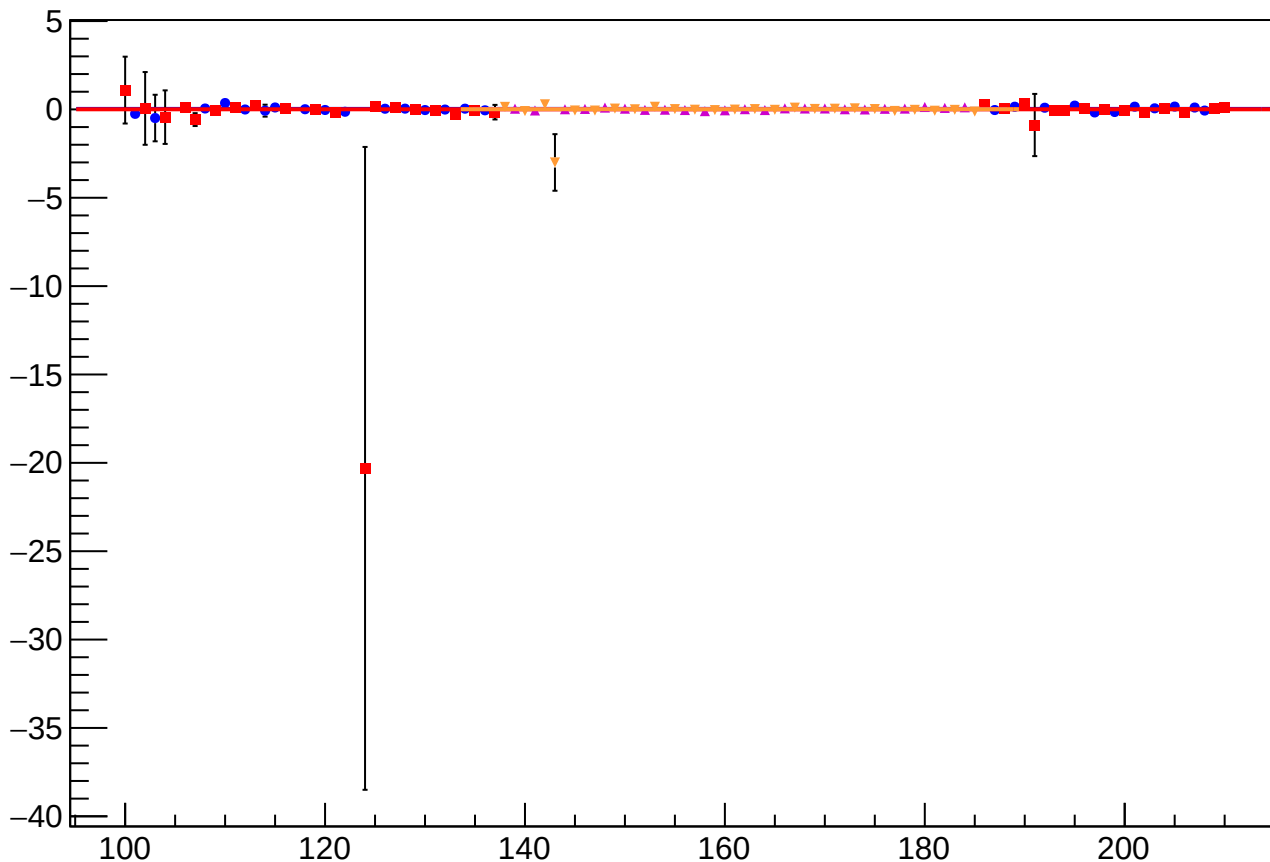
Left In: 46.786+/-0.009 χ^2/NDF :1949480.3/22

+ sign 53.396+/-0.008 χ^2/NDF : 8837284.8/51

All: 52.462+/-0.005 χ^2/NDF : 18442262.8/107

- sign 51.587+/-0.007 χ^2/NDF : 9575207.1/55

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.021 χ^2 /NDF: 23.5/26

Left Out: 0.011 $\pm$ 0.012 χ^2 /NDF: 29.6/24

Right Out: 0.006 $\pm$ 0.019 χ^2 /NDF: 30.5/32

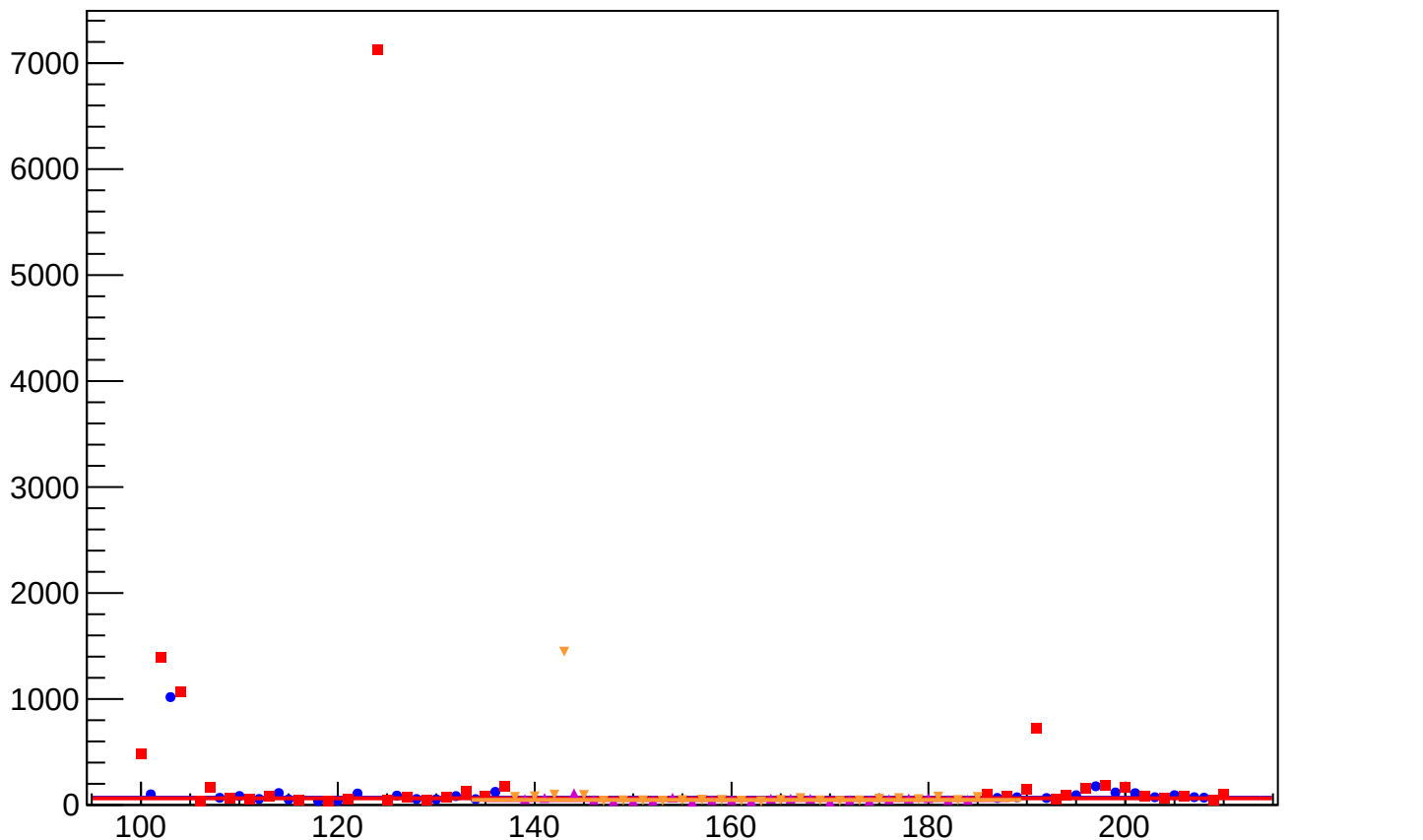
Left In: 0.018 $\pm$ 0.012 χ^2 /NDF: 20.3/22

+ sign 0.016 $\pm$ 0.011 χ^2 /NDF: 53.6/51

All: 0.015 $\pm$ 0.007 χ^2 /NDF: 104.7/107

- sign 0.015 $\pm$ 0.010 χ^2 /NDF: 51.1/55

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.431 $\pm$ 0.015 χ^2 /NDF: 3883438.6/26

Left Out: 47.902 $\pm$ 0.009 χ^2 /NDF: 3496571.8/24

Right Out: 63.238 $\pm$ 0.013 χ^2 /NDF: 6573701.0/32

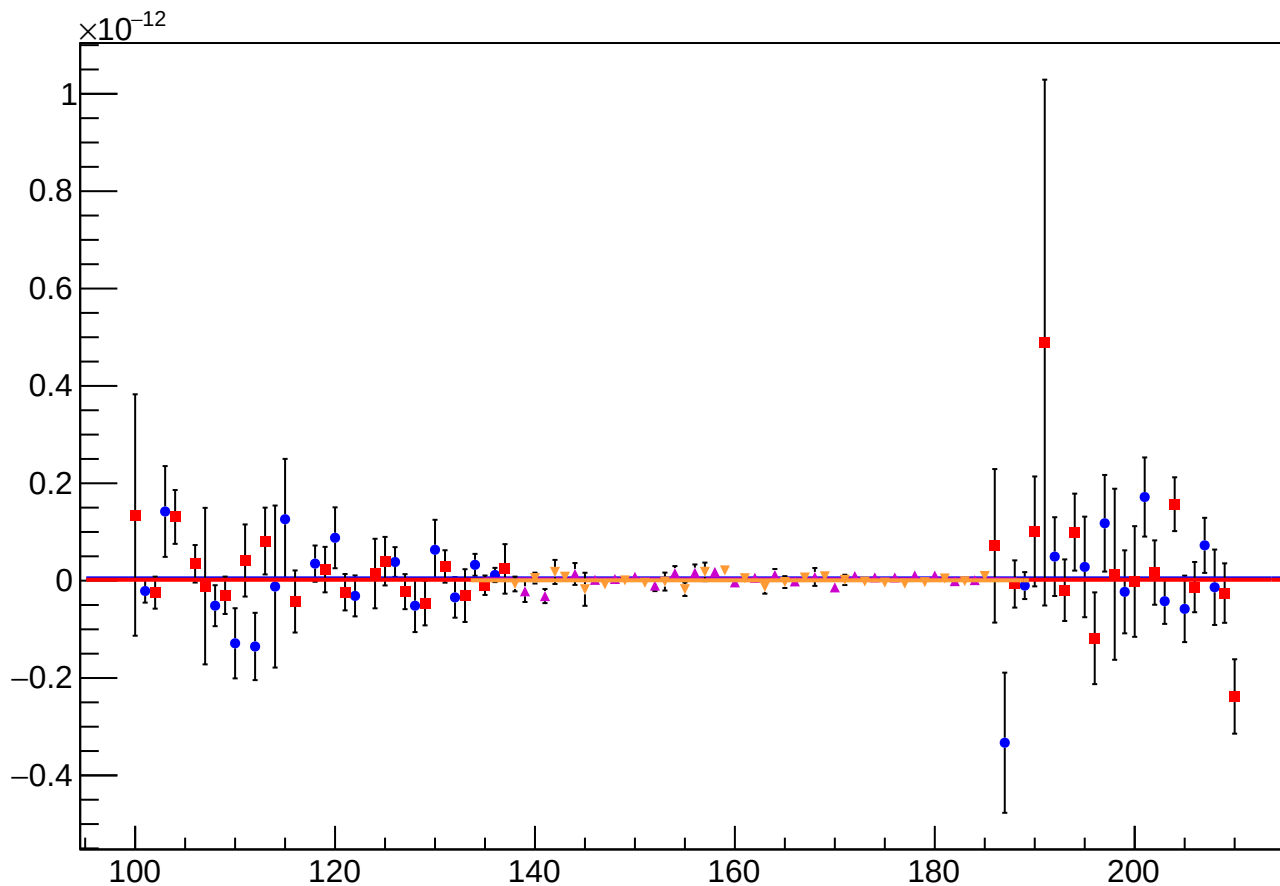
Left In: 46.786 $\pm$ 0.009 χ^2 /NDF: 1949480.3/22

+ sign 53.396 $\pm$ 0.008 χ^2 /NDF: 8837284.8/51

All: 52.462 $\pm$ 0.005 χ^2 /NDF: 18442262.8/107

- sign 51.587 $\pm$ 0.007 χ^2 /NDF: 9575207.1/55

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 37.8/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 37.4/32

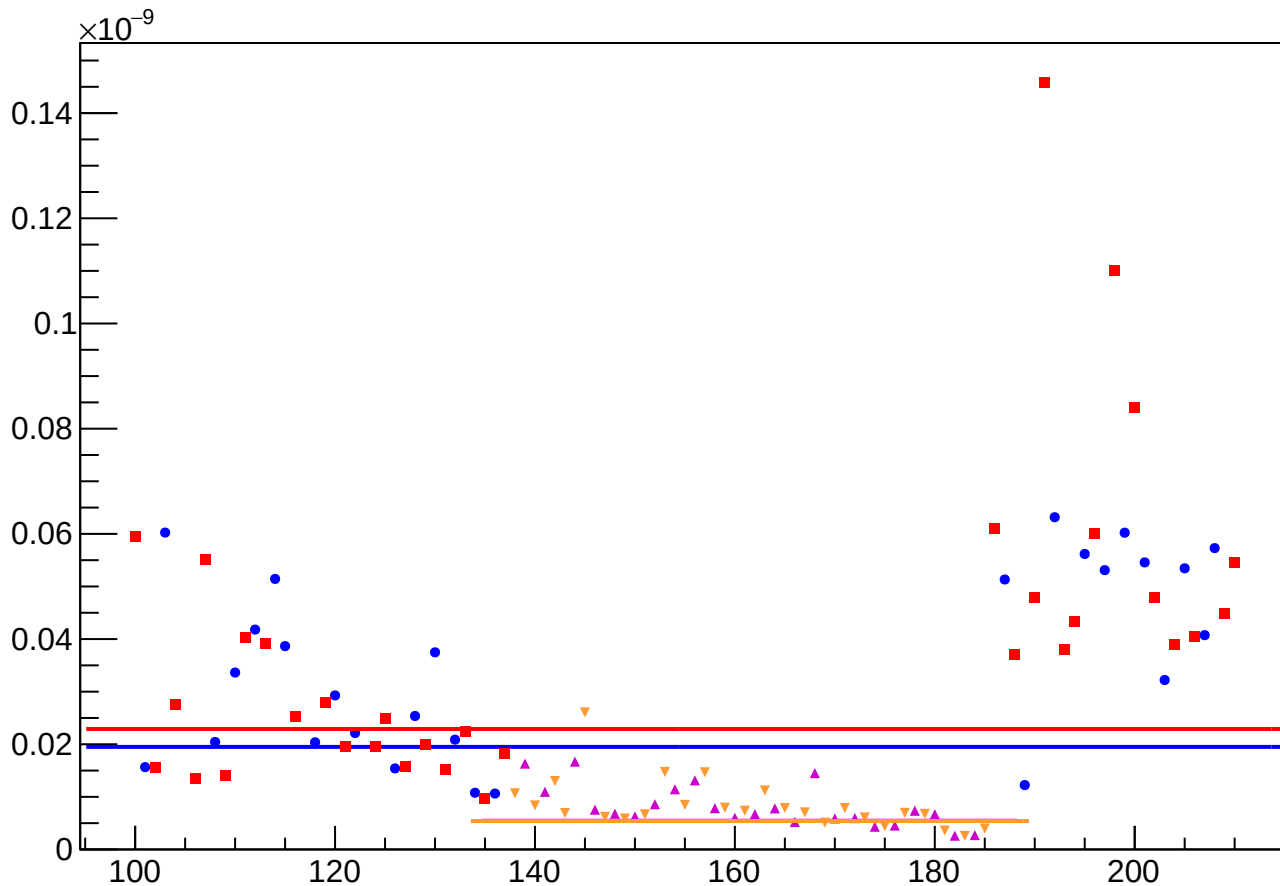
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:21.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 53.1/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 112.8/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.2/55

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5697382.7/26

Left Out: 0.000+/-0.000 χ^2/NDF : 5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5230342.2/32

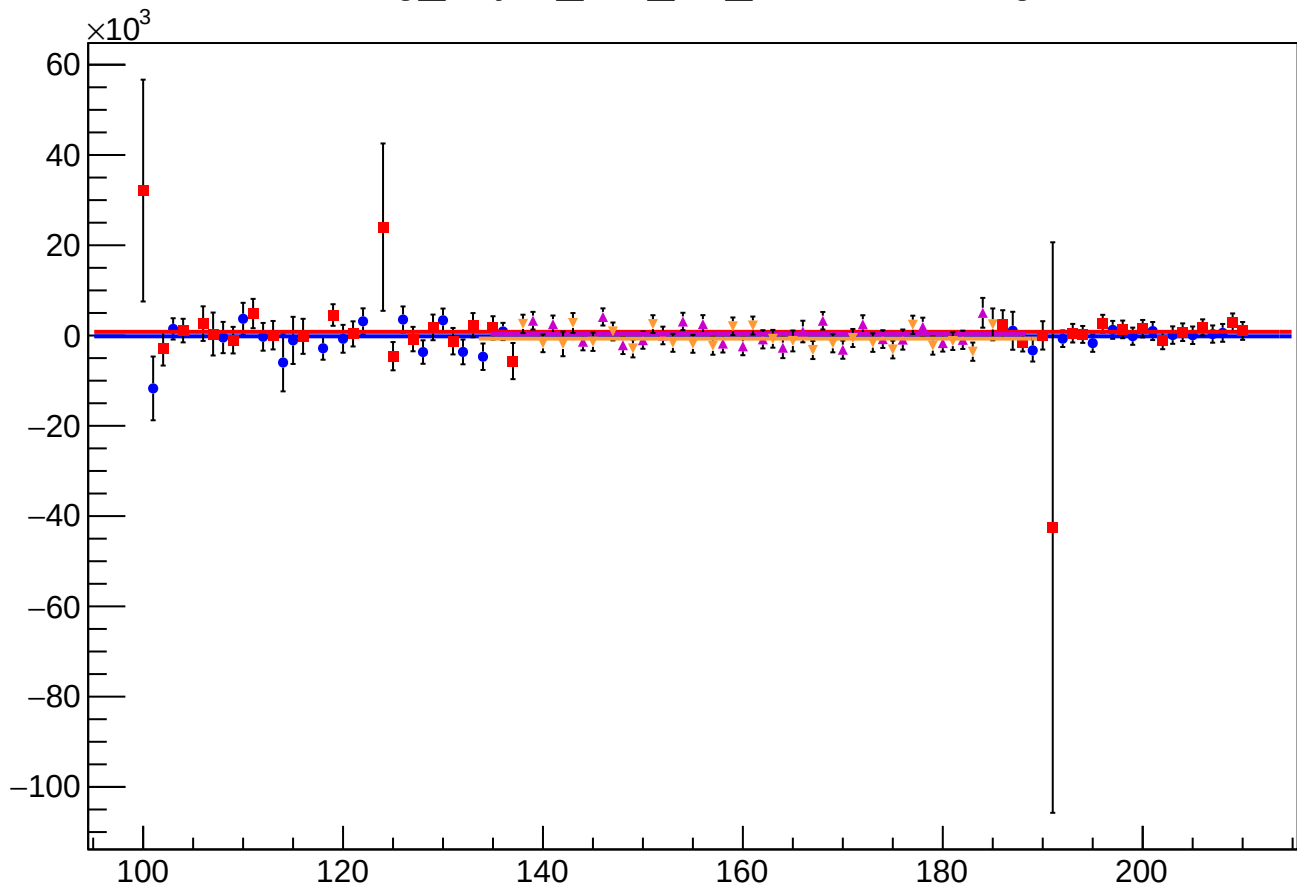
Left In: 0.000+/-0.000 χ^2/NDF : 4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 17094509.3/51

All: 0.000+/-0.000 χ^2/NDF : 34842449.1/107

- sign 0.000+/-0.000 χ^2/NDF : 17744926.1/55

reg_asym_at1_dd_mean vs Slug



Right In: -175.675 $\pm$ 472.460 χ^2 /NDF: 20.7/26

Left Out: -670.041 $\pm$ 412.206 χ^2 /NDF: 24.7/24

Right Out: 817.947 $\pm$ 447.944 χ^2 /NDF: 21.9/32

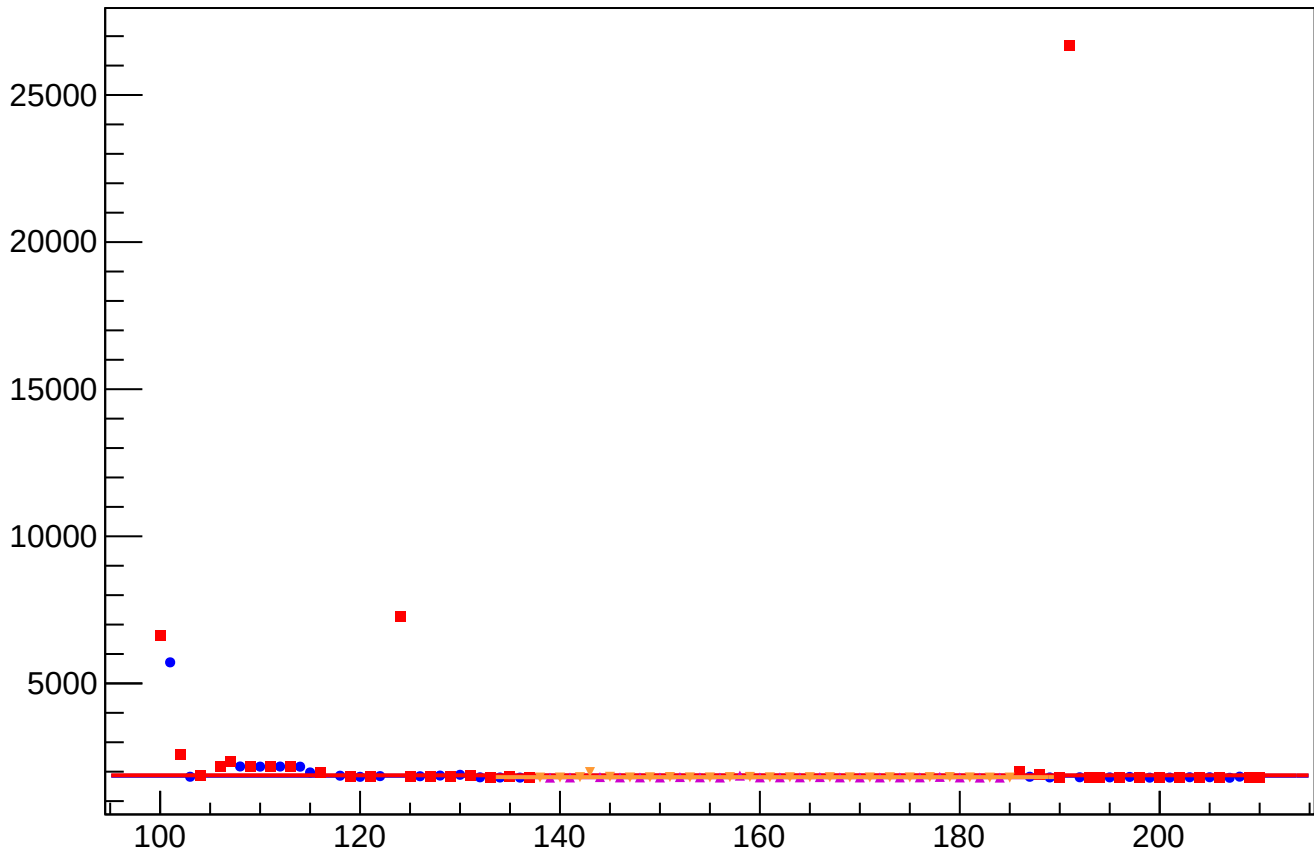
Left In: 342.945 $\pm$ 422.712 χ^2 /NDF: 30.1/22

+ sign -456.374 $\pm$ 310.606 χ^2 /NDF: 46.1/51

All: 60.407 $\pm$ 218.502 χ^2 /NDF: 104.2/107

- sign 566.692 $\pm$ 307.436 χ^2 /NDF: 52.6/55

reg_asym_at1_dd_rms vs Slug



Right In: 1860.752 $\pm$ 0.334 χ^2 /NDF: 674578.8/26

Left Out: 1814.435 $\pm$ 0.291 χ^2 /NDF:13102.1/24

Right Out: 1876.689 $\pm$ 0.317 χ^2 /NDF: 752951.5/32

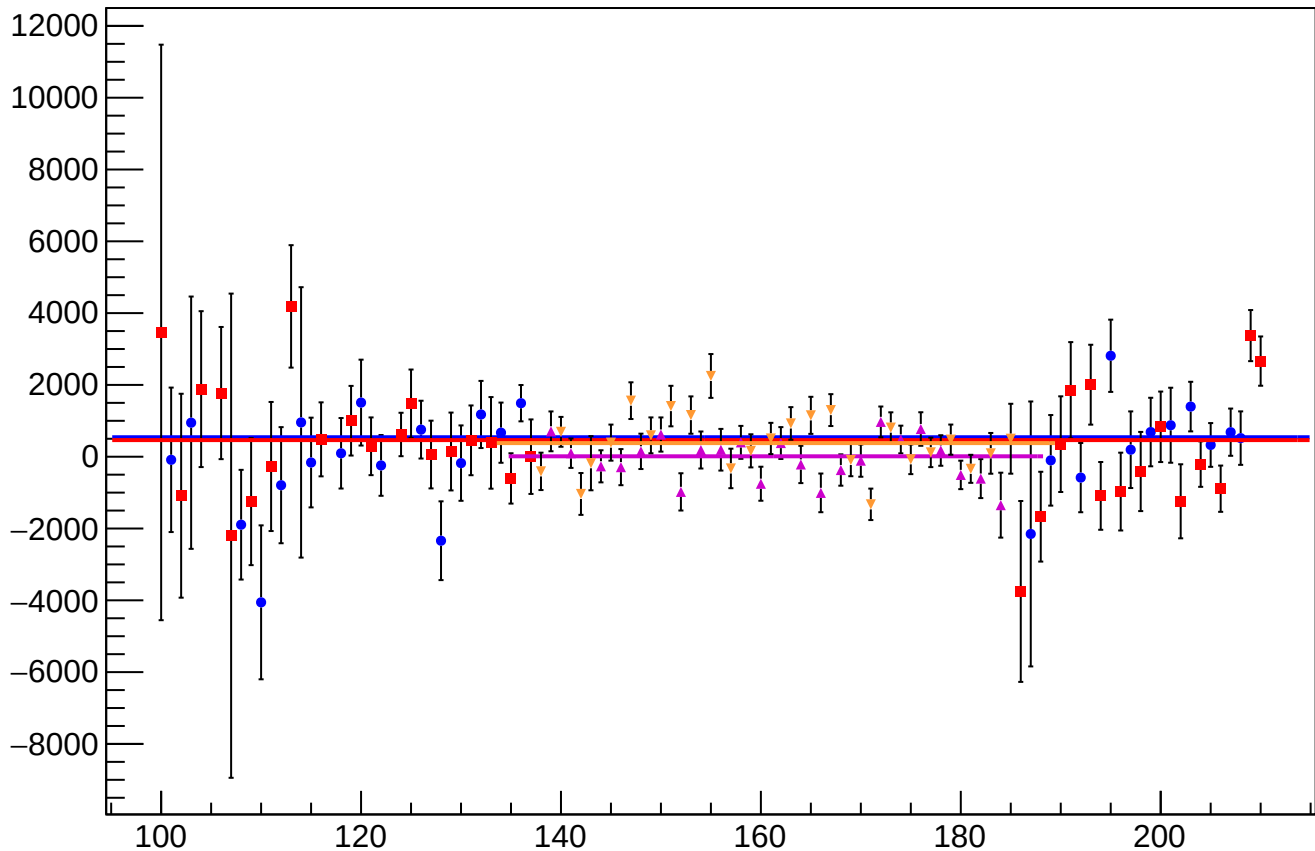
Left In: 1810.457 $\pm$ 0.299 χ^2 /NDF:1967.2/22

+ sign 1834.453 $\pm$ 0.220 χ^2 /NDF: 698594.6/51

All: 1838.091 $\pm$ 0.155 χ^2 /NDF: 1477184.0/10

- sign 1841.655 $\pm$ 0.217 χ^2 /NDF: 778046.2/55

asym_at1_dd_reg_correction_mean vs Slug



Right In: 542.327 ± 184.063 χ^2/NDF : 30.6/26

Left Out: 379.353 ± 97.013 χ^2/NDF : 62.3/24

Right Out: 462.912 ± 176.390 χ^2/NDF : 61.0/32

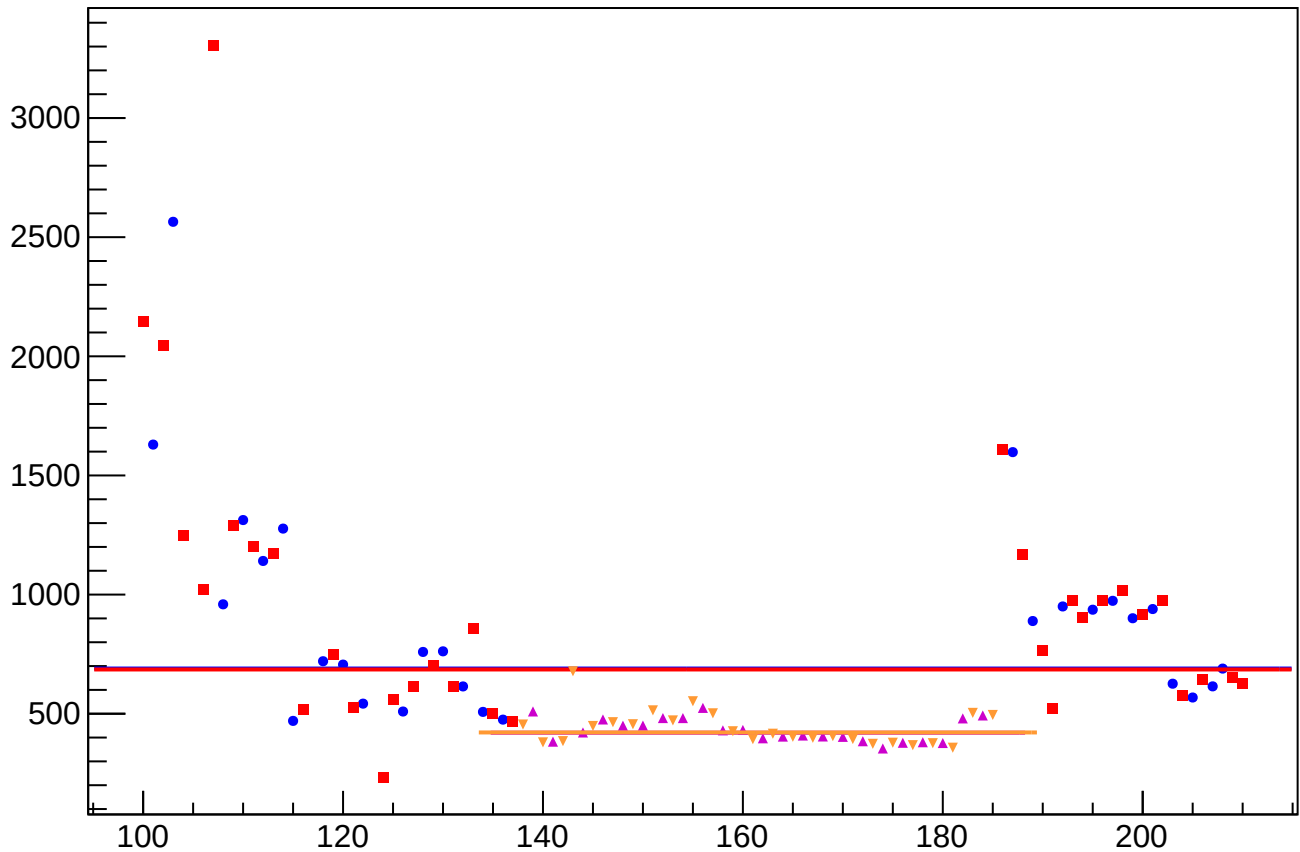
Left In: 11.527 ± 98.976 χ^2/NDF : 31.1/22

+ sign 414.784 ± 85.822 χ^2/NDF : 93.5/51

All: 268.047 ± 60.859 χ^2/NDF : 196.5/107

- sign 119.617 ± 86.316 χ^2/NDF : 97.0/55

asym_at1_dd_reg_correction_rms vs Slug



Right In: 689.645+/-0.130 χ^2/NDF : 3064632.8/26

Left Out: 421.417+/-0.069 χ^2/NDF : 743048.1/24

Right Out: 685.711+/-0.125 χ^2/NDF : 4697800.3/32

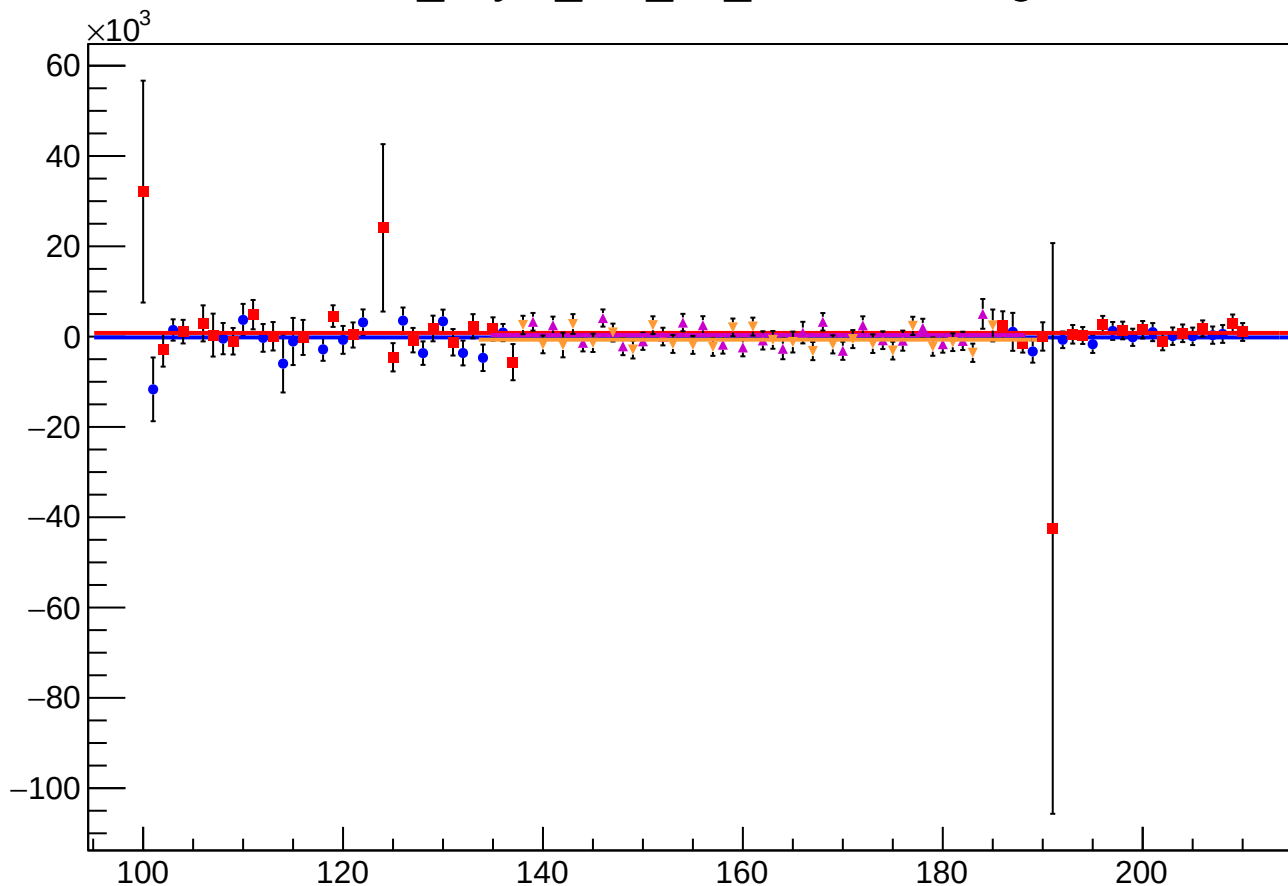
Left In: 420.222+/-0.070 χ^2/NDF : 413129.7/22

+ sign 479.730+/-0.061 χ^2/NDF : 7131535.8/51

All: 481.752+/-0.043 χ^2/NDF : 15690567.1/10

- sign 483.797+/-0.061 χ^2/NDF : 8556798.8/55

cor_asym_at1_dd_mean vs Slug



Right In: -175.316 ± 472.460 χ^2/NDF : 20.7/26

Left Out: -670.031 ± 412.206 χ^2/NDF : 24.7/24

Right Out: 819.876 ± 448.186 χ^2/NDF : 22.0/32

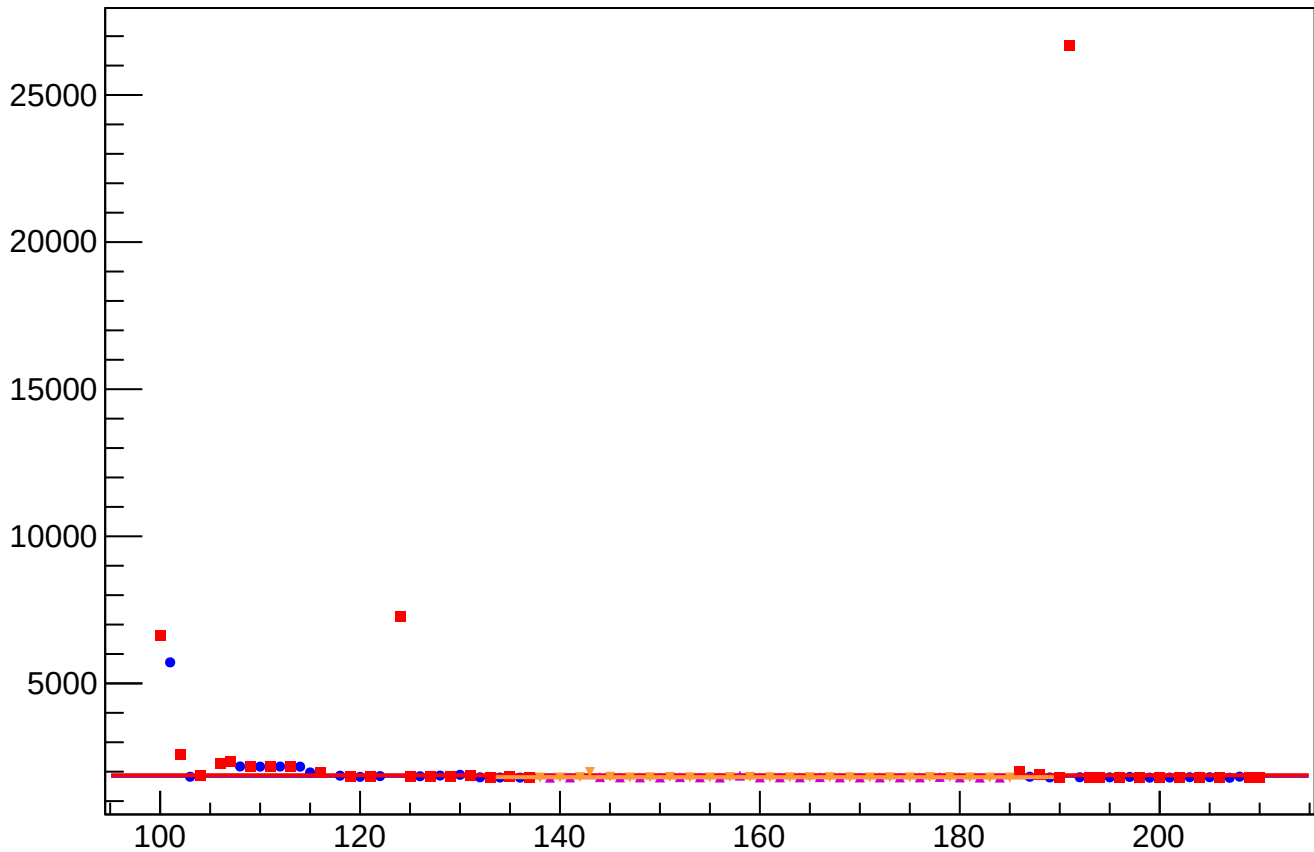
Left In: 342.989 ± 422.712 χ^2/NDF : 30.1/22

+ sign -456.213 ± 310.606 χ^2/NDF : 46.1/51

All: 60.762 ± 218.530 χ^2/NDF : 104.3/107

- sign 567.495 ± 307.514 χ^2/NDF : 52.7/55

cor_asym_at1_dd_rms vs Slug



Right In: 1860.752 $\pm$ 0.334 χ^2 /NDF: 674578.7/26

Left Out: 1814.435 $\pm$ 0.291 χ^2 /NDF: 13102.1/24

Right Out: 1877.386 $\pm$ 0.317 χ^2 /NDF: 759138.0/32

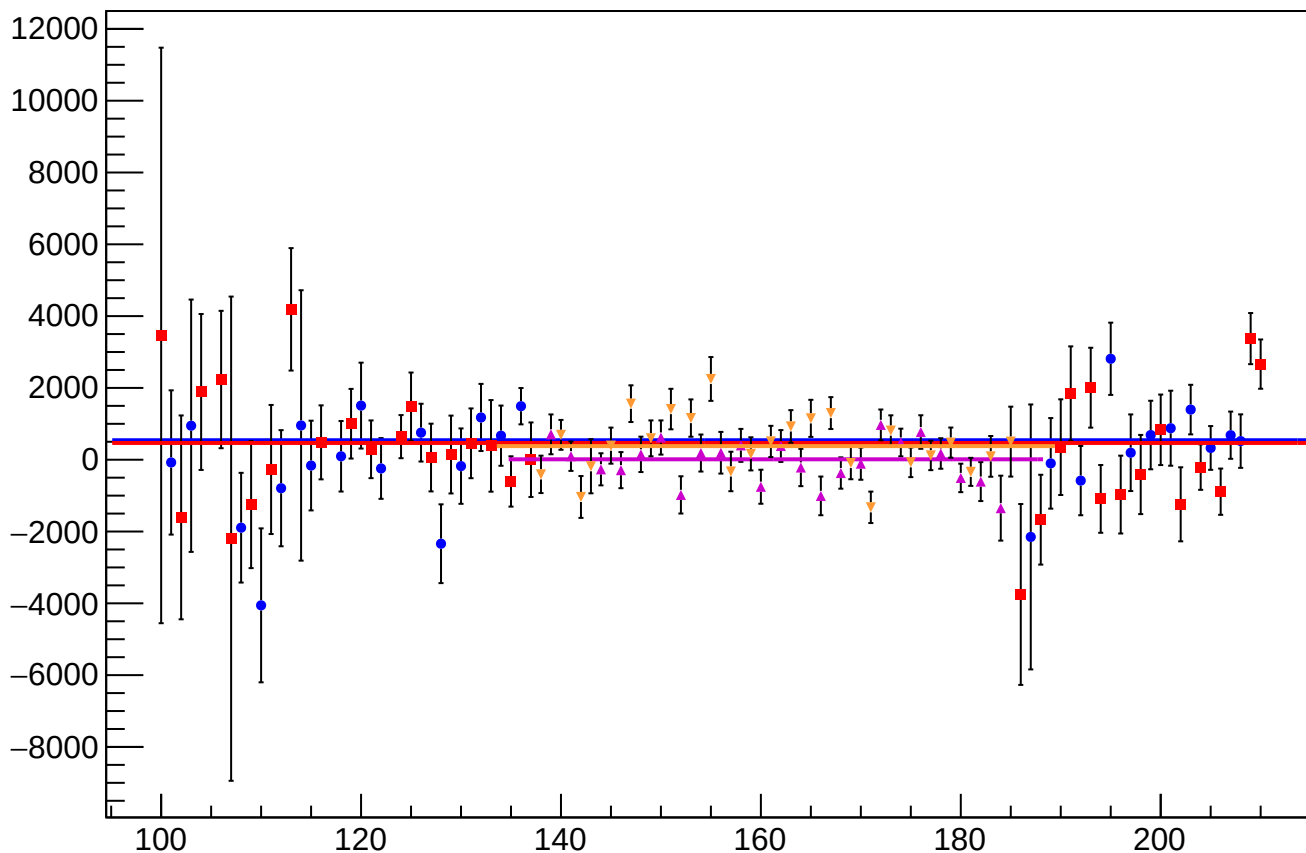
Left In: 1810.457 $\pm$ 0.299 χ^2 /NDF: 1967.2/22

+ sign 1834.453 $\pm$ 0.220 χ^2 /NDF: 698594.5/51

All: 1838.247 $\pm$ 0.155 χ^2 /NDF: 1483894.0/10

- sign 1841.966 $\pm$ 0.217 χ^2 /NDF: 784708.6/55

asym_at1_dd_cor_correction_mean vs Slug



Right In: 542.366 $\pm$ 184.060 χ^2 /NDF: 30.6/26

Left Out: 379.343 $\pm$ 97.014 χ^2 /NDF: 62.3/24

Right Out: 467.003 $\pm$ 176.273 χ^2 /NDF: 61.6/32

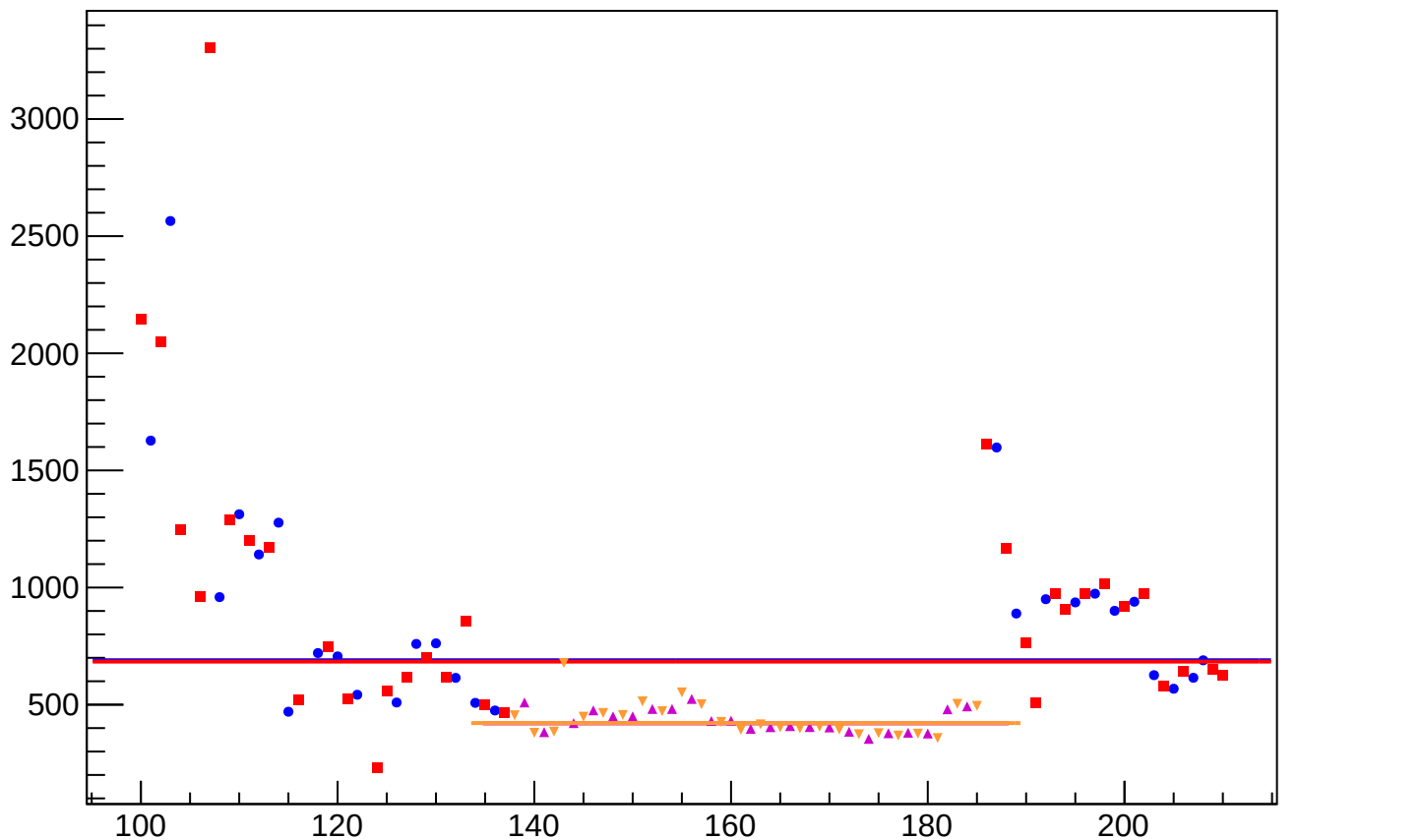
Left In: 11.539 $\pm$ 98.975 χ^2 /NDF: 31.1/22

+ sign 414.786 $\pm$ 85.822 χ^2 /NDF: 93.5/51

All: 268.569 $\pm$ 60.854 χ^2 /NDF: 197.2/107

- sign 120.713 $\pm$ 86.302 χ^2 /NDF: 97.8/55

asym_at1_dd_cor_correction_rms vs Slug



Right In: 689.644 $\pm$ 0.130 χ^2 /NDF: 3063800.7/26

Left Out: 421.420 $\pm$ 0.069 χ^2 /NDF: 742987.6/24

Right Out: 683.926 $\pm$ 0.125 χ^2 /NDF: 4706584.0/32

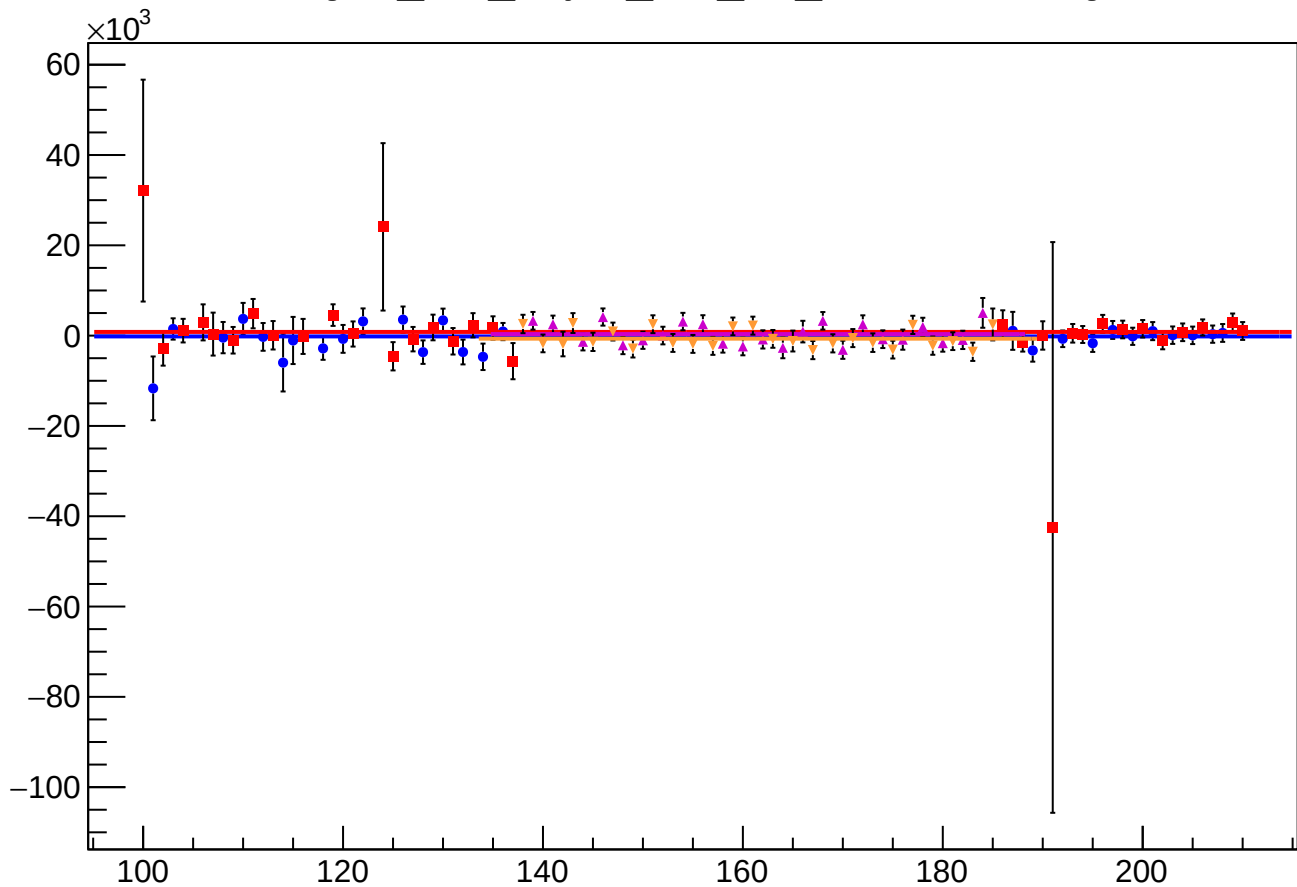
Left In: 420.218 $\pm$ 0.070 χ^2 /NDF: 413172.4/22

+ sign 479.735 $\pm$ 0.061 χ^2 /NDF: 7130632.4/51

All: 481.571 $\pm$ 0.043 χ^2 /NDF: 15655427.0/10

- sign 483.429 $\pm$ 0.061 χ^2 /NDF: 8522952.3/55

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -175.316 ± 472.460 χ^2/NDF : 20.7/26

Left Out: -670.031 ± 412.206 χ^2/NDF : 24.7/24

Right Out: 819.876 ± 448.186 χ^2/NDF : 22.0/32

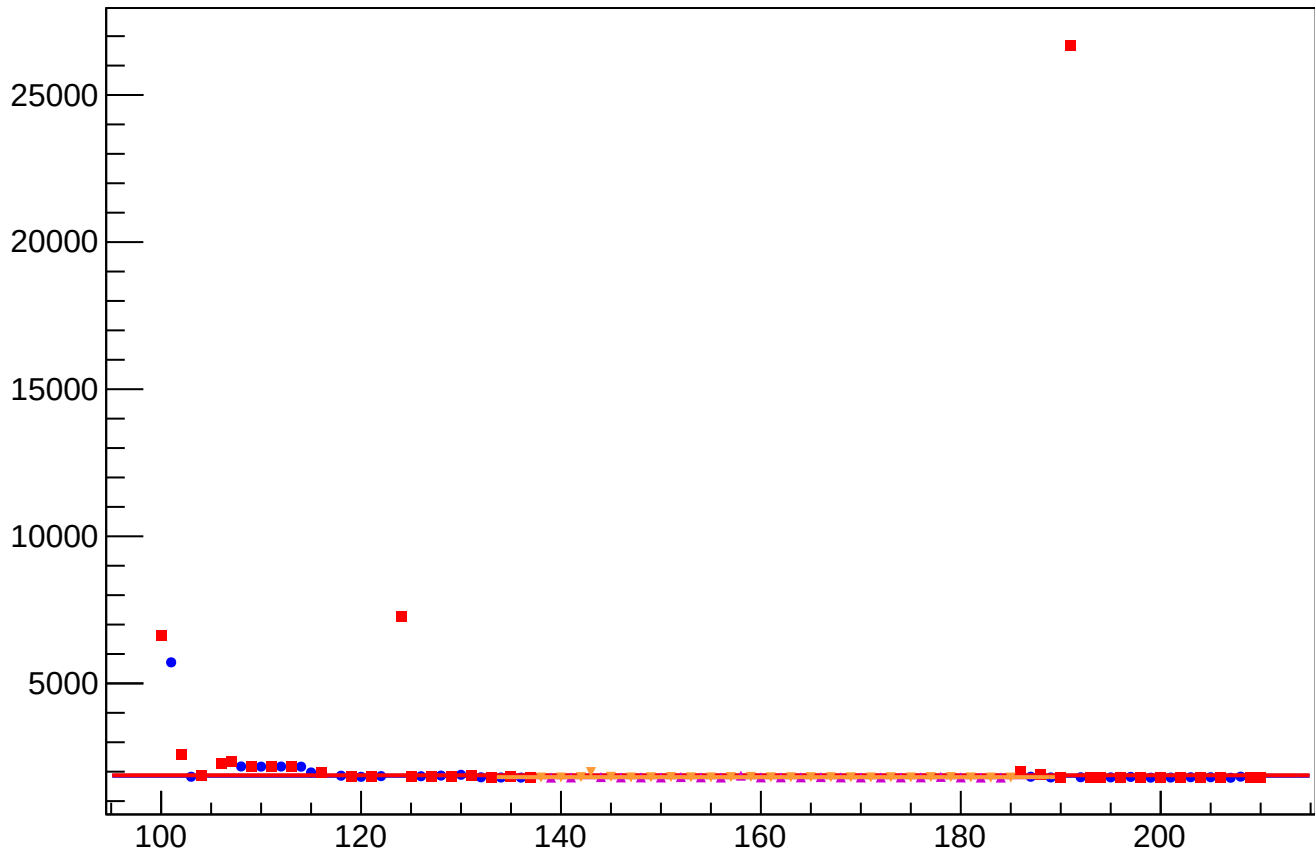
Left In: 342.989 ± 422.712 χ^2/NDF : 30.1/22

+ sign -456.213 ± 310.606 χ^2/NDF : 46.1/51

All: 60.762 ± 218.530 χ^2/NDF : 104.3/107

- sign 567.495 ± 307.514 χ^2/NDF : 52.7/55

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1860.752 $\pm$ 0.334 χ^2 /NDF: 674578.7/26

Left Out: 1814.435 $\pm$ 0.291 χ^2 /NDF:13102.1/24

Right Out: 1877.386 $\pm$ 0.317 χ^2 /NDF: 759138.0/32

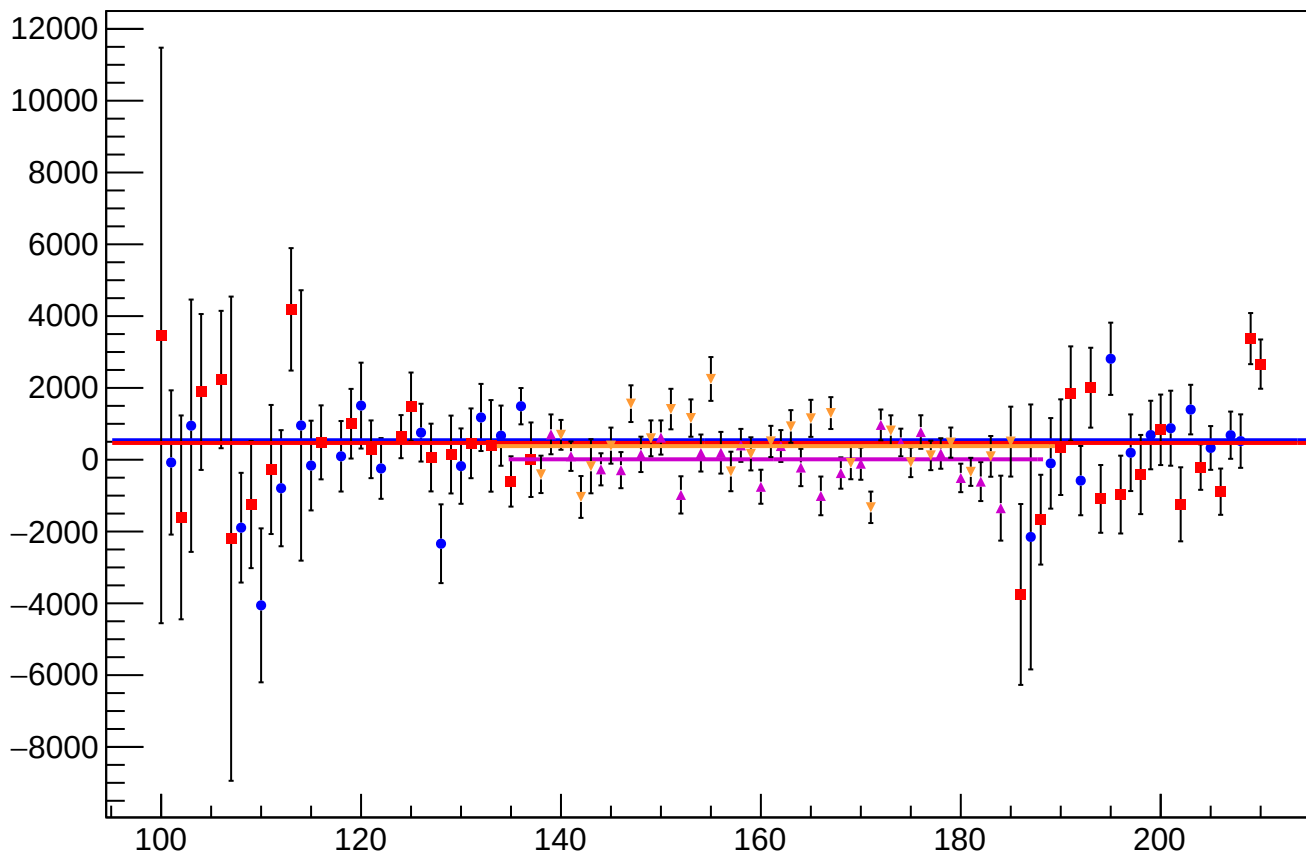
Left In: 1810.457 $\pm$ 0.299 χ^2 /NDF:1967.2/22

+ sign 1834.453 $\pm$ 0.220 χ^2 /NDF: 698594.5/51

All: 1838.247 $\pm$ 0.155 χ^2 /NDF: 1483894.0/10

- sign 1841.966 $\pm$ 0.217 χ^2 /NDF: 784708.6/55

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 542.366 ± 184.060 χ^2/NDF : 30.6/26

Left Out: 379.343 ± 97.014 χ^2/NDF : 62.3/24

Right Out: 467.003 ± 176.273 χ^2/NDF : 61.6/32

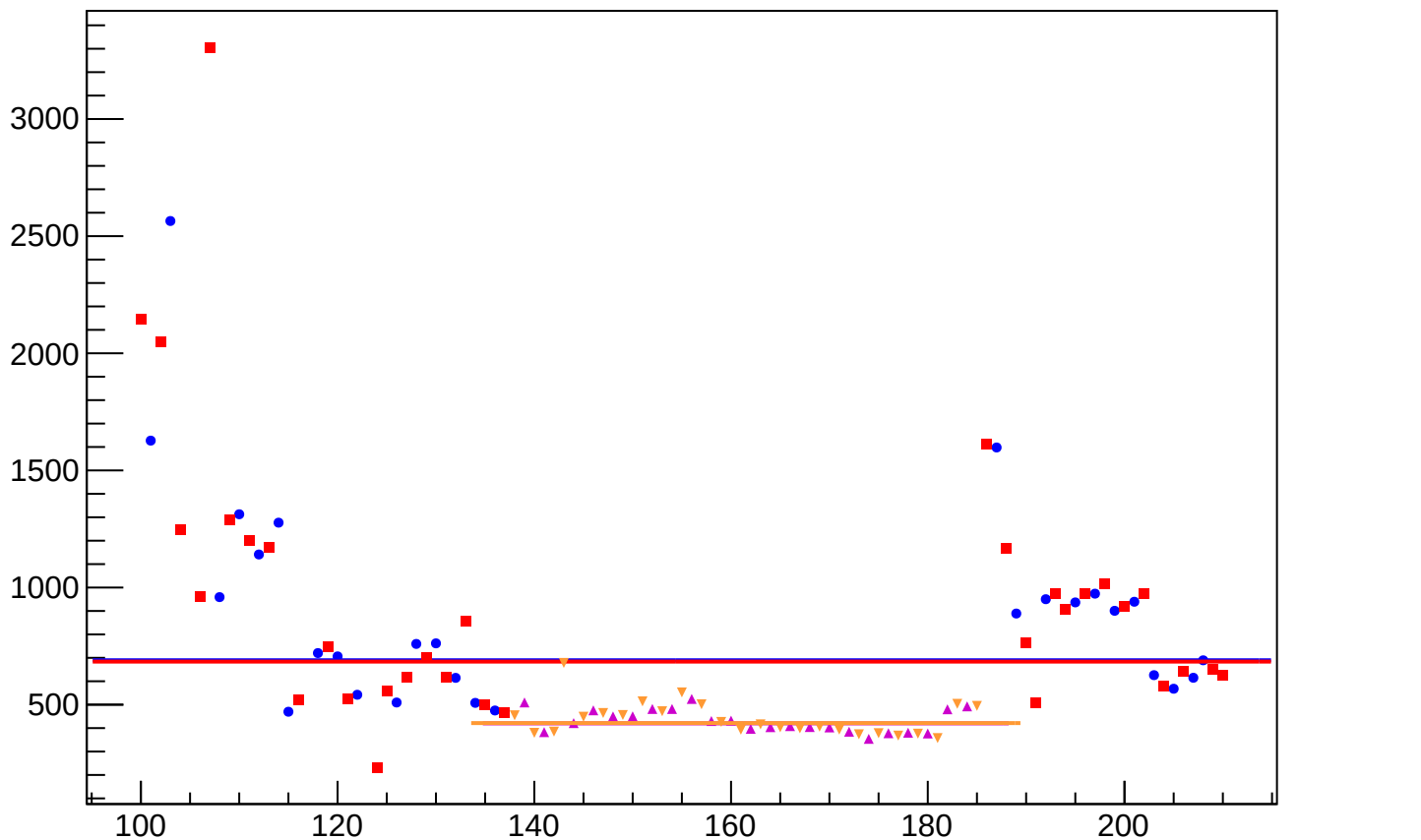
Left In: 11.539 ± 98.975 χ^2/NDF : 31.1/22

+ sign 414.786 ± 85.822 χ^2/NDF : 93.5/51

All: 268.569 ± 60.854 χ^2/NDF : 197.2/107

- sign 120.713 ± 86.302 χ^2/NDF : 97.8/55

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 689.644 $\pm$ 0.130 χ^2 /NDF: 3063800.7/26

Left Out: 421.420 $\pm$ 0.069 χ^2 /NDF: 742987.6/24

Right Out: 683.926 $\pm$ 0.125 χ^2 /NDF: 4706584.0/32

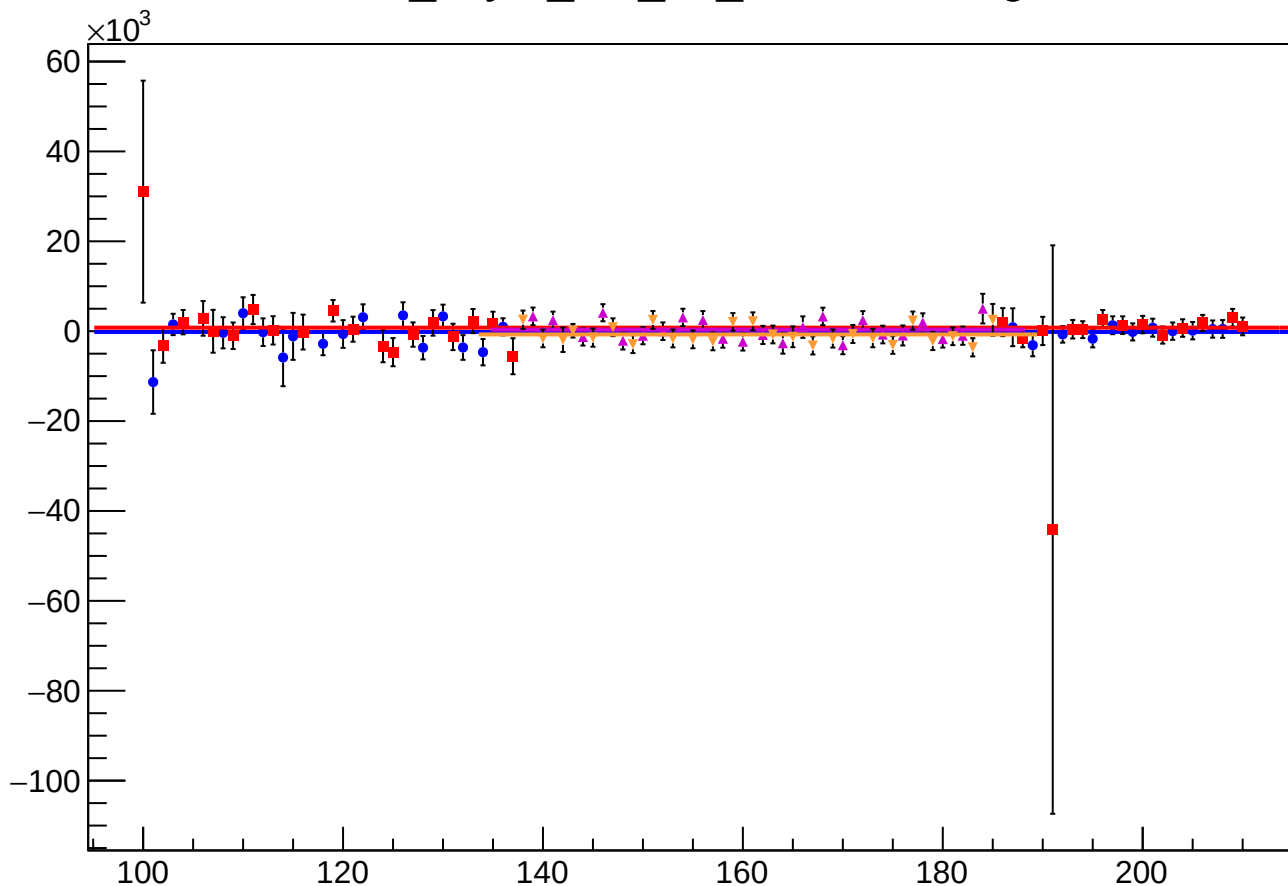
Left In: 420.218 $\pm$ 0.070 χ^2 /NDF: 413172.4/22

+ sign 479.735 $\pm$ 0.061 χ^2 /NDF: 7130632.4/51

All: 481.571 $\pm$ 0.043 χ^2 /NDF: 15655427.0/10

- sign 483.429 $\pm$ 0.061 χ^2 /NDF: 8522952.3/55

dit_asym_at1_dd_mean vs Slug



Right In: -166.270 ± 472.971 χ^2/NDF : 20.3/26

Left Out: -724.527 ± 404.417 χ^2/NDF : 22.2/24

Right Out: 784.713 ± 445.937 χ^2/NDF : 21.6/32

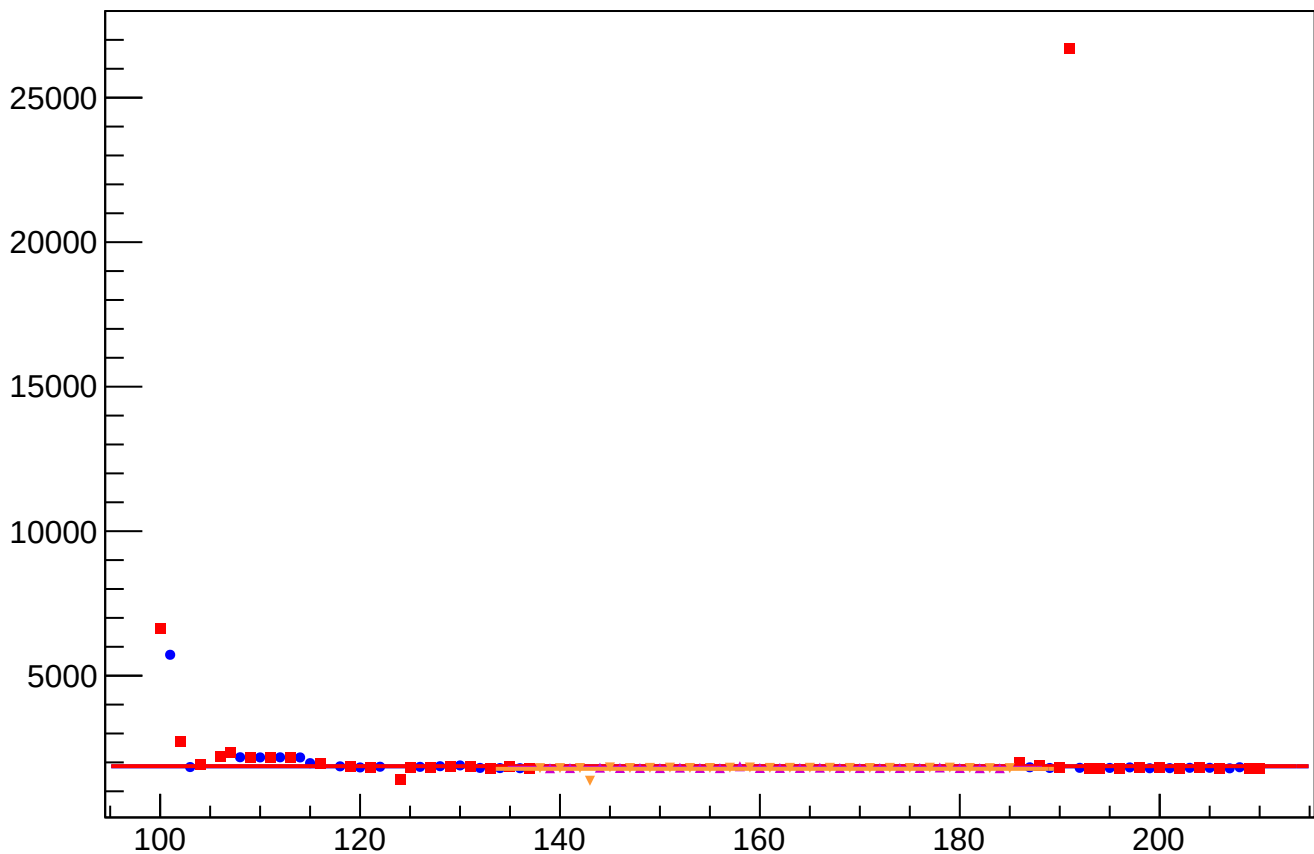
Left In: 341.223 ± 422.858 χ^2/NDF : 29.6/22

+ sign -488.753 ± 307.373 χ^2/NDF : 43.4/51

All: 32.124 ± 217.157 χ^2/NDF : 100.8/107

- sign 551.195 ± 306.840 χ^2/NDF : 51.7/55

dit_asym_at1_dd_rms vs Slug



Right In: 1862.645 $\pm$ 0.334 χ^2 /NDF: 674304.5/26

Left Out: 1776.721 $\pm$ 0.286 χ^2 /NDF: 161294.8/24

Right Out: 1869.808 $\pm$ 0.315 χ^2 /NDF: 634735.3/32

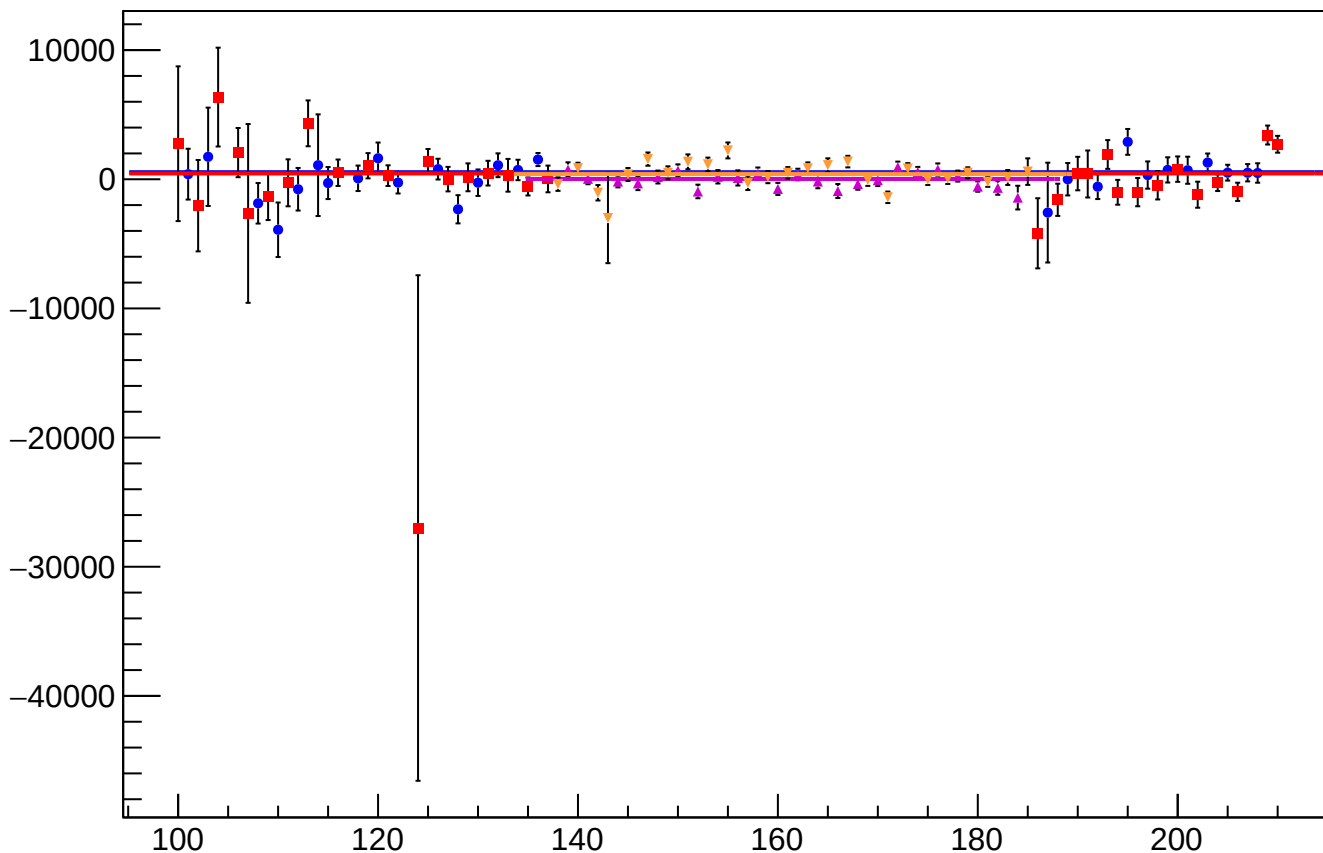
Left In: 1811.084 $\pm$ 0.299 χ^2 /NDF: 1965.1/22

+ sign 1813.010 $\pm$ 0.217 χ^2 /NDF: 873728.4/51

All: 1825.971 $\pm$ 0.154 χ^2 /NDF: 1535790.8/10

- sign 1838.887 $\pm$ 0.217 χ^2 /NDF: 654962.7/55

asym_at1_dd_dit_correction_mean vs Slug



Right In: 546.053+/-184.123 χ^2/NDF : 30.7/26

Left Out: 398.269+/-99.165 χ^2/NDF :60.5/24

Right Out: 448.177+/-186.811 χ^2/NDF : 64.5/32

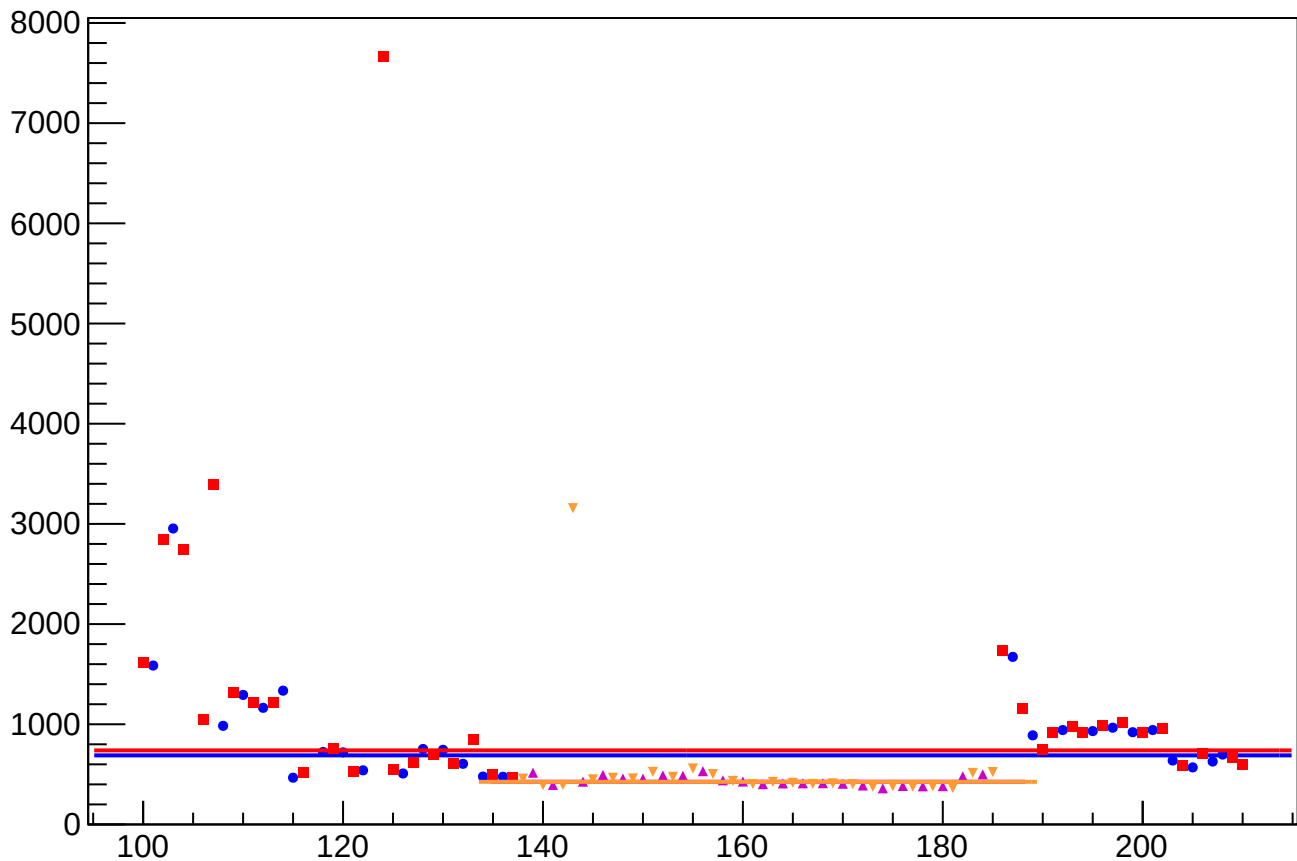
Left In: 21.453+/-100.264 χ^2/NDF :30.8/22

+ sign 431.498+/-87.307 χ^2/NDF : 91.7/51

All: 276.048+/-62.099 χ^2/NDF : 197.5/107

- sign 116.886+/-88.344 χ^2/NDF : 99.4/55

asym_at1_dd_dit_correction_rms vs Slug



Right In: 689.549 $\pm$ 0.130 χ^2 /NDF: 3245573.9/26

Left Out: 425.697 $\pm$ 0.070 χ^2 /NDF:1718145.2/24

Right Out: 739.287 $\pm$ 0.132 χ^2 /NDF: 4459818.2/32

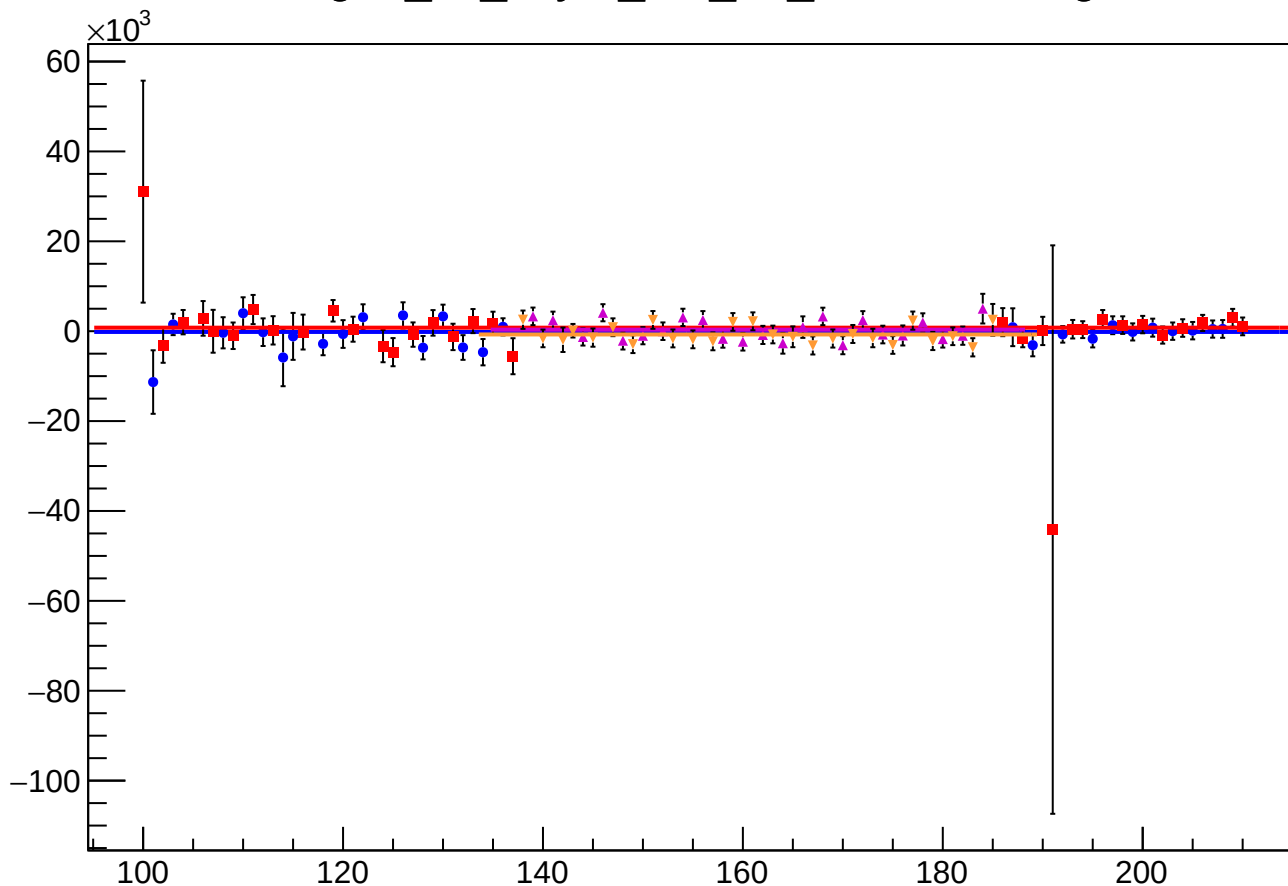
Left In: 426.144 $\pm$ 0.071 χ^2 /NDF:415411.7/22

+ sign 485.023 $\pm$ 0.062 χ^2 /NDF: 8147357.4/51

All: 490.534 $\pm$ 0.044 χ^2 /NDF: 17401588.9/10

- sign 496.176 $\pm$ 0.062 χ^2 /NDF: 9238106.7/55

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -166.271 ± 472.971 χ^2/NDF : 20.3/26

Left Out: -724.528 ± 404.417 χ^2/NDF : 22.2/24

Right Out: 784.711 ± 445.937 χ^2/NDF : 21.6/32

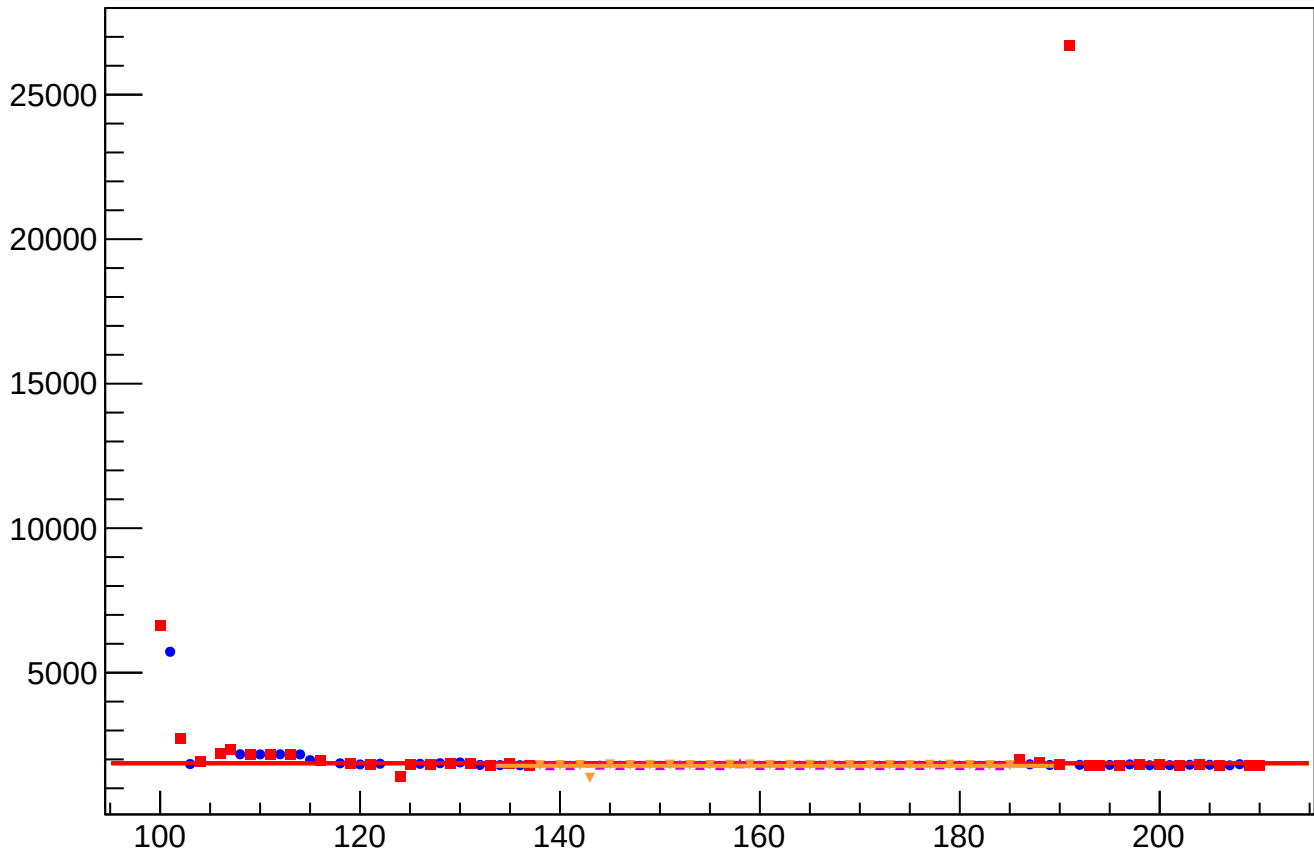
Left In: 341.223 ± 422.858 χ^2/NDF : 29.6/22

+ sign -488.754 ± 307.373 χ^2/NDF : 43.4/51

All: 32.123 ± 217.157 χ^2/NDF : 100.8/107

- sign 551.195 ± 306.840 χ^2/NDF : 51.7/55

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1862.645+/-0.334 χ^2/NDF : 674304.5/26

Left Out: 1776.721+/-0.286 χ^2/NDF : 161294.8/24

Right Out: 1869.808+/-0.315 χ^2/NDF : 634735.1/32

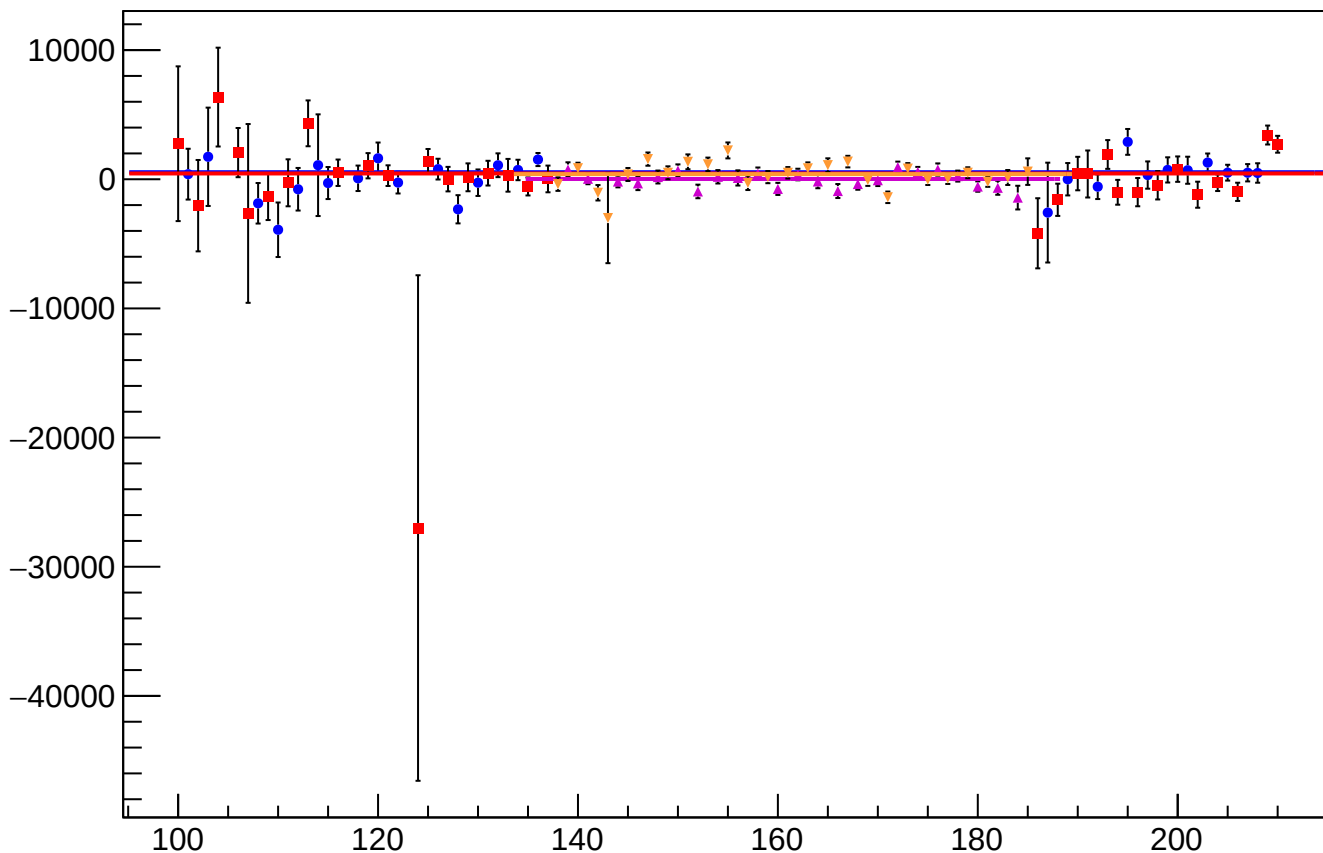
Left In: 1811.084+/-0.299 χ^2/NDF : 1965.1/22

+ sign 1813.010+/-0.217 χ^2/NDF : 873728.4/51

All: 1825.971+/-0.154 χ^2/NDF : 1535790.6/10

- sign 1838.887+/-0.217 χ^2/NDF : 654962.5/55

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 546.052 $\pm$ 184.123 χ^2 /NDF: 30.7/26

Left Out: 398.268 $\pm$ 99.165 χ^2 /NDF:60.5/24

Right Out: 448.175 $\pm$ 186.811 χ^2 /NDF: 64.5/32

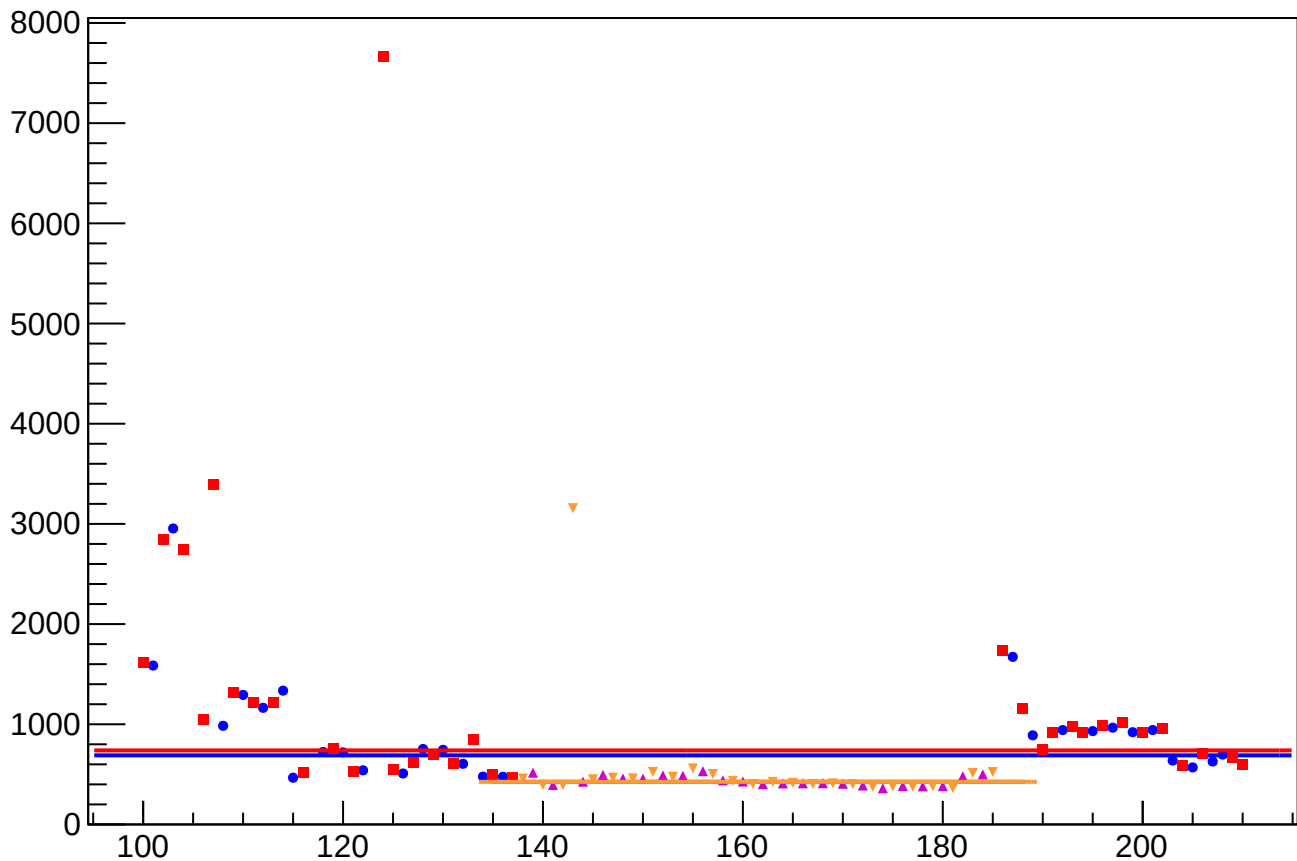
Left In: 21.452 $\pm$ 100.264 χ^2 /NDF:30.8/22

+ sign 431.497 $\pm$ 87.307 χ^2 /NDF: 91.7/51

All: 276.047 $\pm$ 62.099 χ^2 /NDF: 197.5/107

- sign 116.885 $\pm$ 88.344 χ^2 /NDF: 99.4/55

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 689.549 $\pm$ 0.130 χ^2 /NDF: 3245573.9/26

Left Out: 425.696 $\pm$ 0.070 χ^2 /NDF:1718147.9/24

Right Out: 739.287 $\pm$ 0.132 χ^2 /NDF: 4459816.0/32

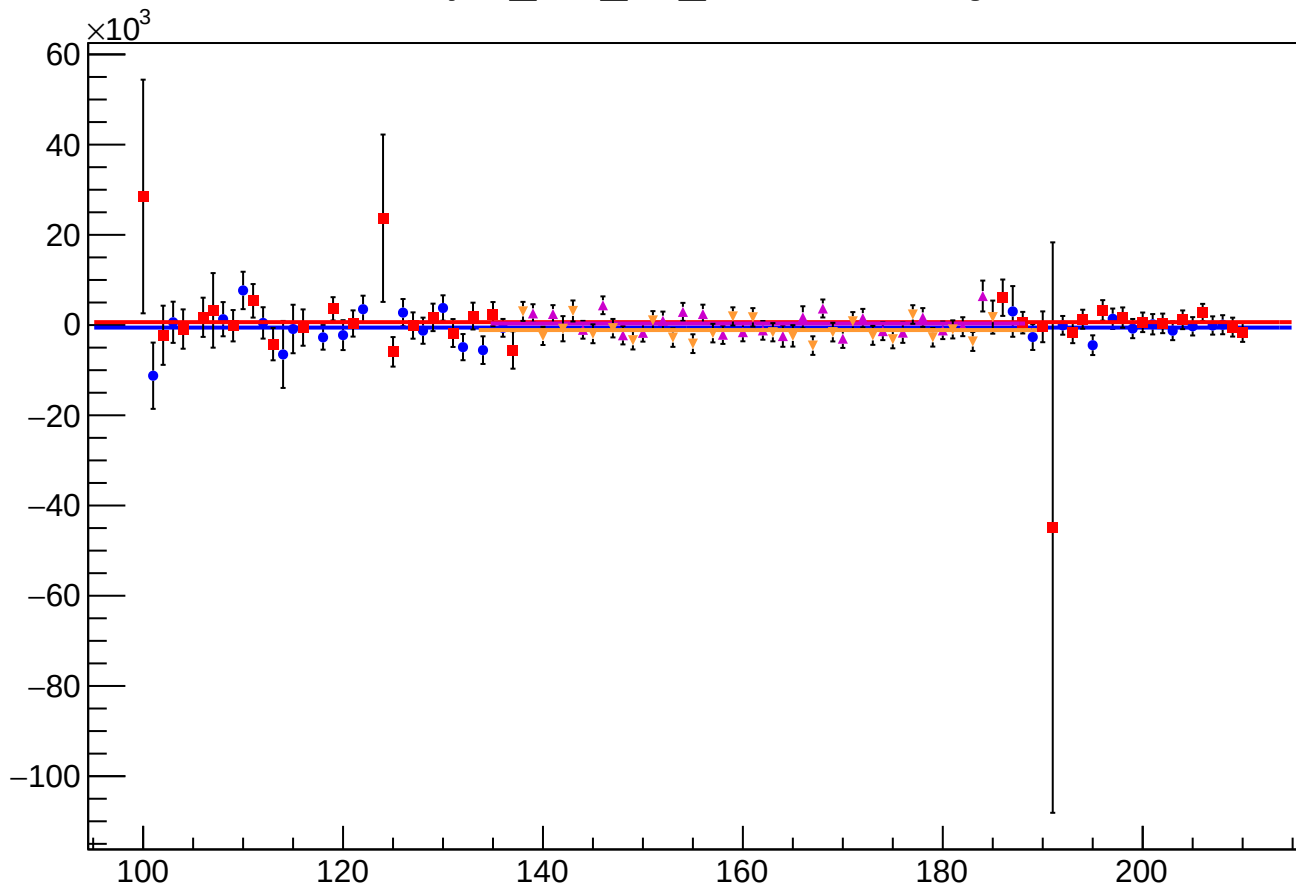
Left In: 426.144 $\pm$ 0.071 χ^2 /NDF:415415.2/22

+ sign 485.023 $\pm$ 0.062 χ^2 /NDF: 8147370.6/51

All: 490.533 $\pm$ 0.044 χ^2 /NDF: 17401618.7/10

- sign 496.175 $\pm$ 0.062 χ^2 /NDF: 9238122.9/55

asym_at1_dd_mean vs Slug



Right In: -555.564 ± 523.337 χ^2/NDF : 23.7/26

Left Out: -1105.791 ± 424.648 χ^2/NDF : 28.0/24

Right Out: 648.782 ± 502.759 χ^2/NDF : 23.6/32

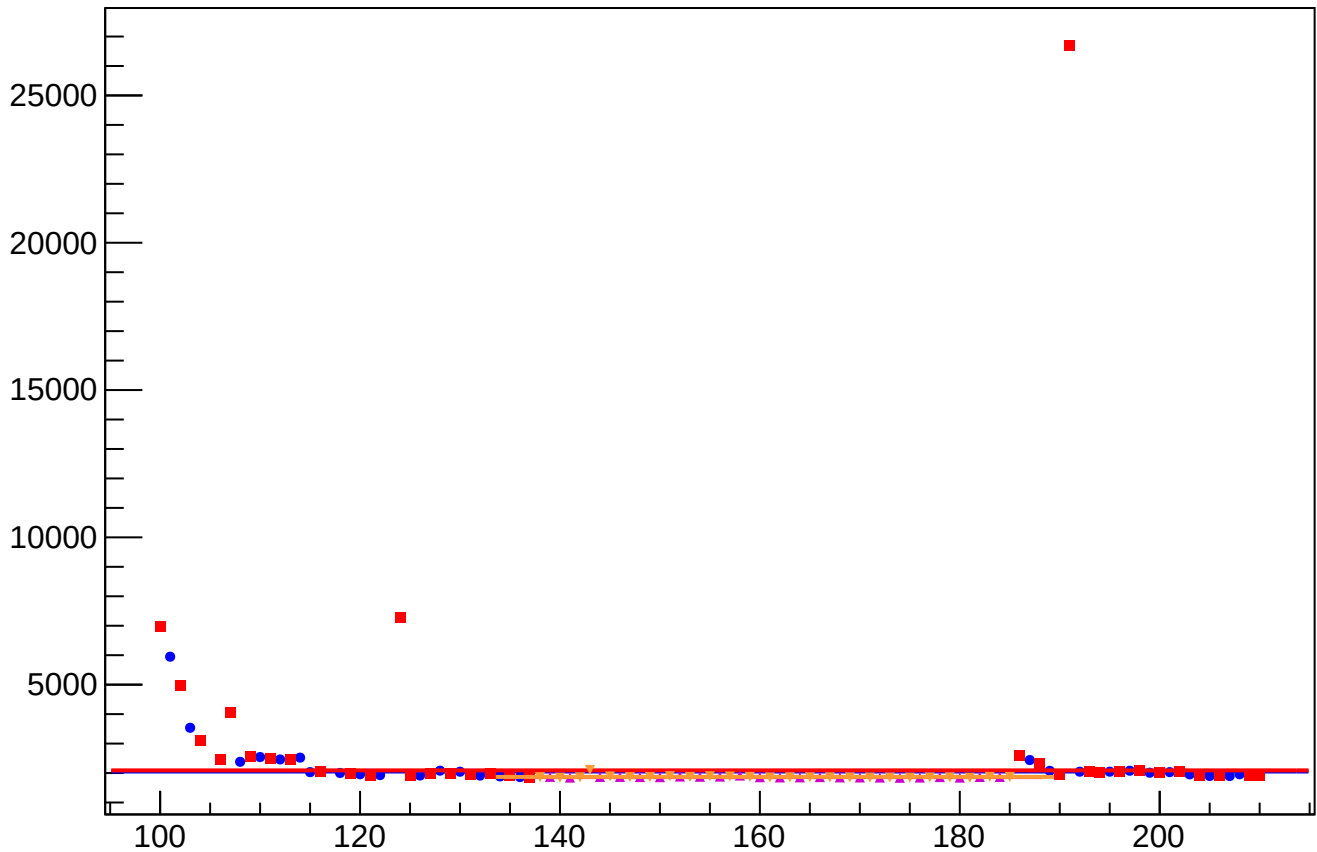
Left In: 346.936 ± 434.947 χ^2/NDF : 28.8/22

+ sign -887.344 ± 329.749 χ^2/NDF : 52.4/51

All: -203.918 ± 232.880 χ^2/NDF : 113.5/107

- sign 476.144 ± 328.936 χ^2/NDF : 52.6/55

asym_at1_dd_rms vs Slug



Right In: 2051.940+/-0.370 χ^2/NDF : 933880.2/26

Left Out: 1868.941+/-0.300 χ^2/NDF : 23314.7/24

Right Out: 2090.437+/-0.356 χ^2/NDF : 1394266.8/32

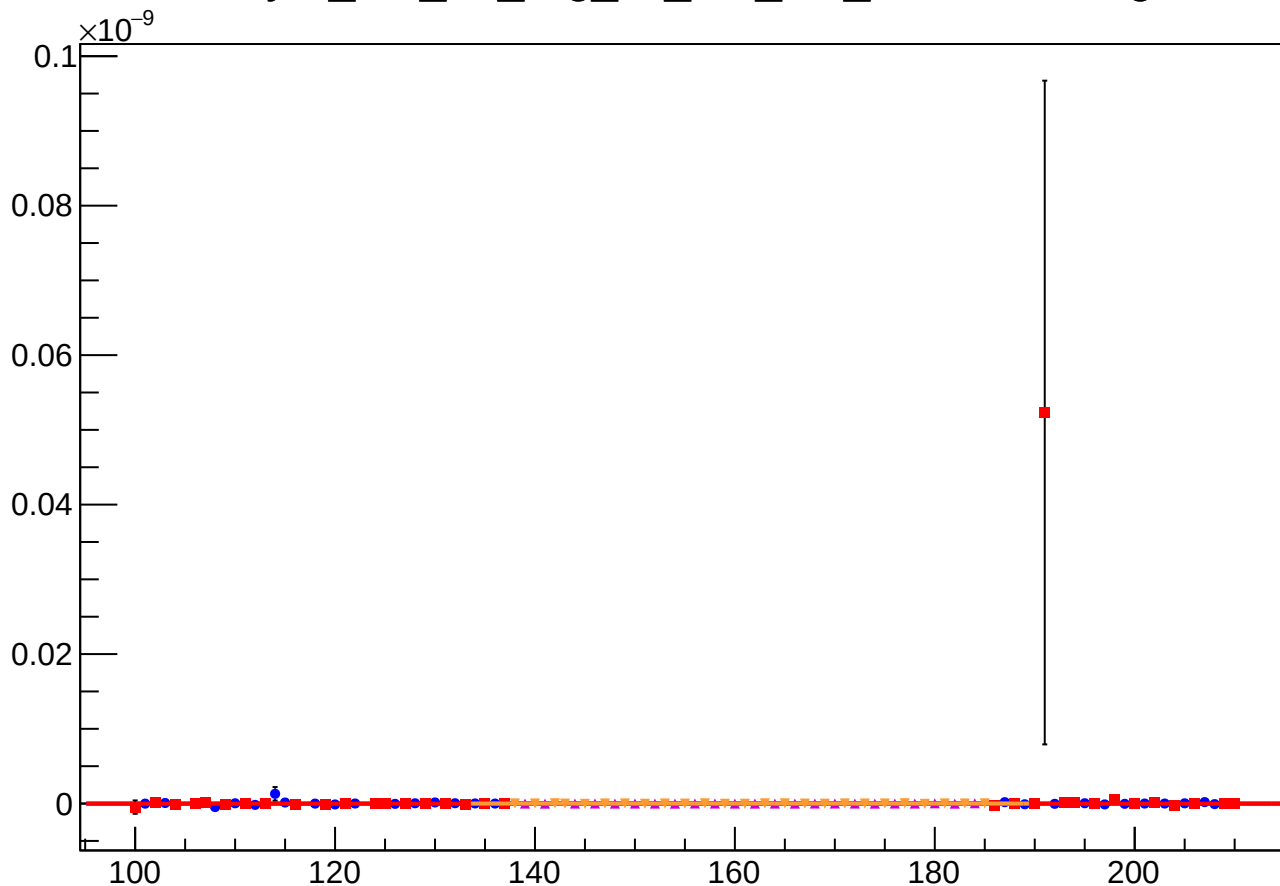
Left In: 1862.828+/-0.308 χ^2/NDF : 2714.5/22

+ sign 1941.594+/-0.233 χ^2/NDF : 1104654.1/51

All: 1950.949+/-0.165 χ^2/NDF : 2739292.4/100

- sign 1960.259+/-0.233 χ^2/NDF : 1631426.4/55

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.9/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:42.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.8/32

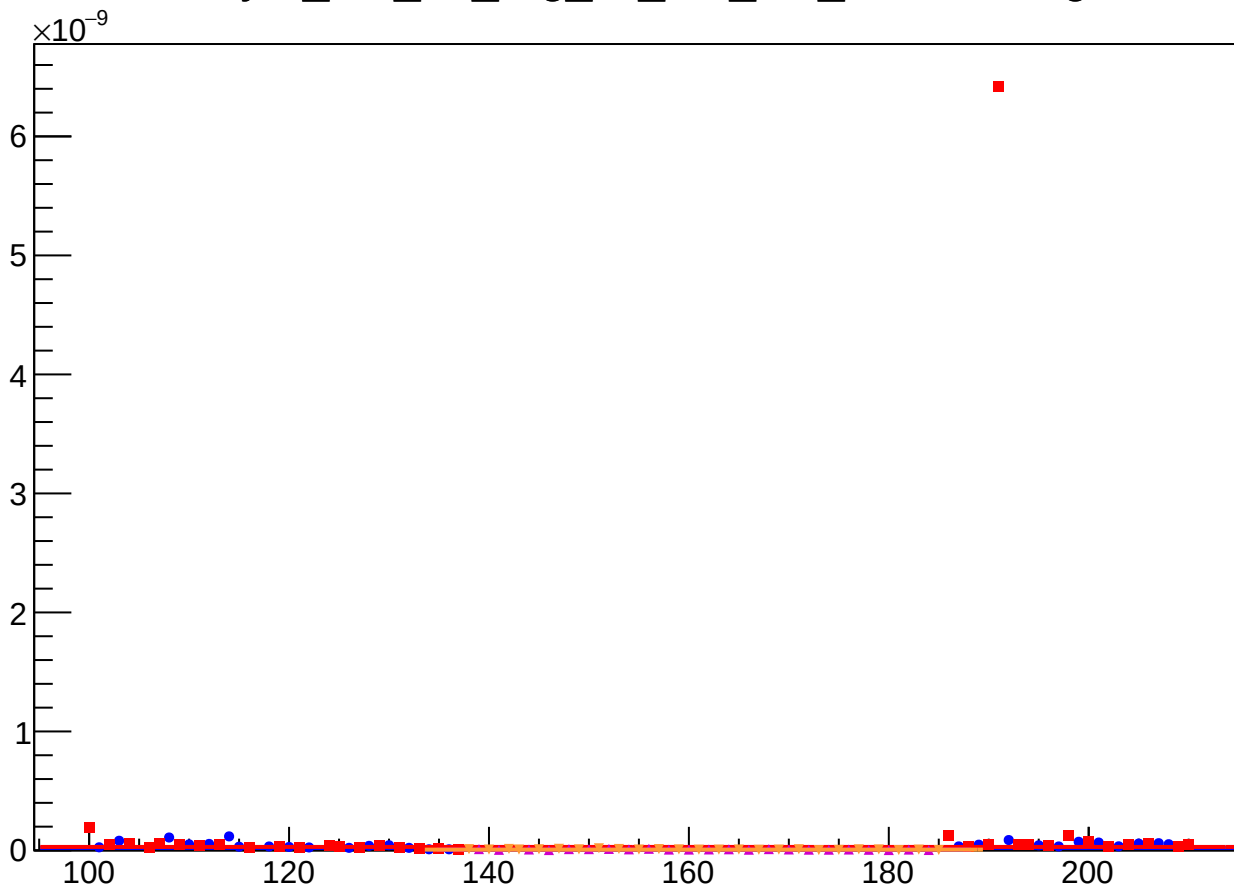
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:17.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 68.9/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 122.7/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 53.1/55

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5100651.2/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3474029.6/32

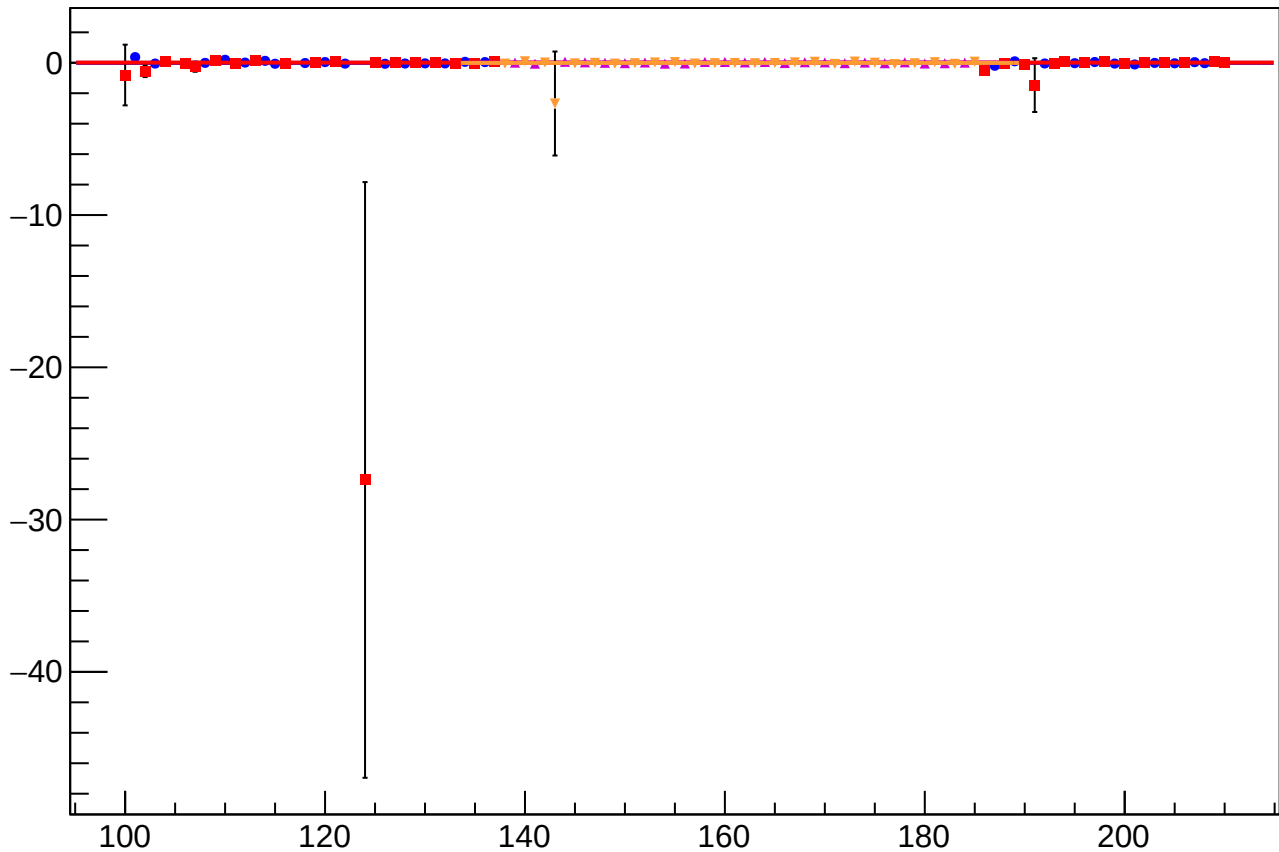
Left In: 0.000+/-0.000 χ^2/NDF : 1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 10017909.8/51

All: 0.000+/-0.000 χ^2/NDF : 20471035.4/107

- sign 0.000+/-0.000 χ^2/NDF : 10447002.0/55

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.012 χ^2/NDF : 28.5/26

Left Out: -0.010 ± 0.008 χ^2/NDF : 39.5/24

Right Out: 0.010 ± 0.011 χ^2/NDF : 27.6/32

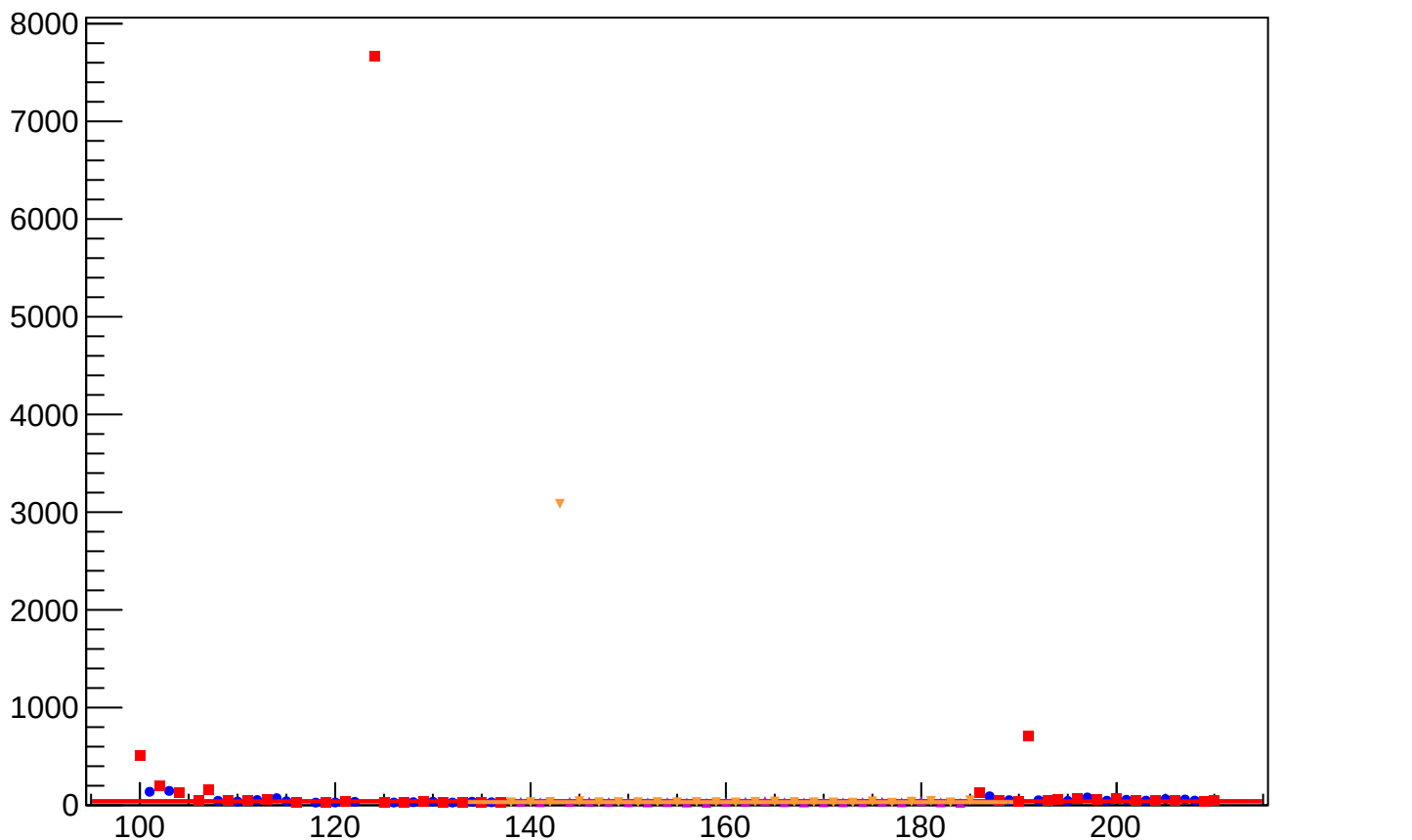
Left In: 0.004 ± 0.008 χ^2/NDF : 20.8/22

+ sign -0.009 ± 0.007 χ^2/NDF : 68.1/51

All: -0.002 ± 0.005 χ^2/NDF : 119.2/107

- sign 0.006 ± 0.007 χ^2/NDF : 48.6/55

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.760 $\pm$ 0.008 χ^2 /NDF: 3268899.2/26

Left Out: 32.277 $\pm$ 0.006 χ^2 /NDF: 2120929.6/24

Right Out: 40.729 $\pm$ 0.008 χ^2 /NDF: 4346814.1/32

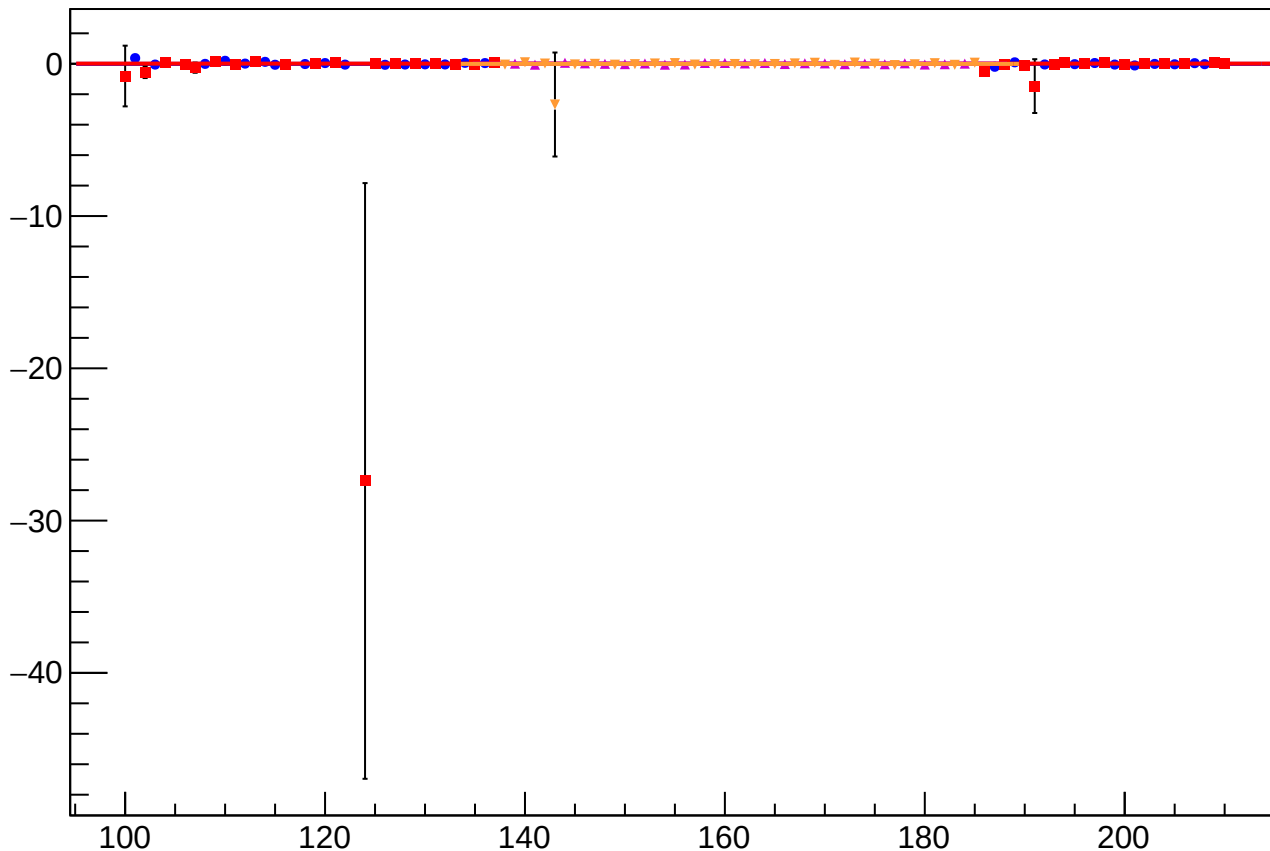
Left In: 32.421 $\pm$ 0.006 χ^2 /NDF: 426084.8/22

+ sign 35.050 $\pm$ 0.005 χ^2 /NDF: 6083944.0/51

All: 35.176 $\pm$ 0.003 χ^2 /NDF: 11554666.8/107

- sign 35.300 $\pm$ 0.005 χ^2 /NDF: 5469338.8/55

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 $\pm$ 0.012 χ^2 /NDF: 28.5/26

Left Out: -0.010 $\pm$ 0.008 χ^2 /NDF: 39.5/24

Right Out: 0.010 $\pm$ 0.011 χ^2 /NDF: 27.6/32

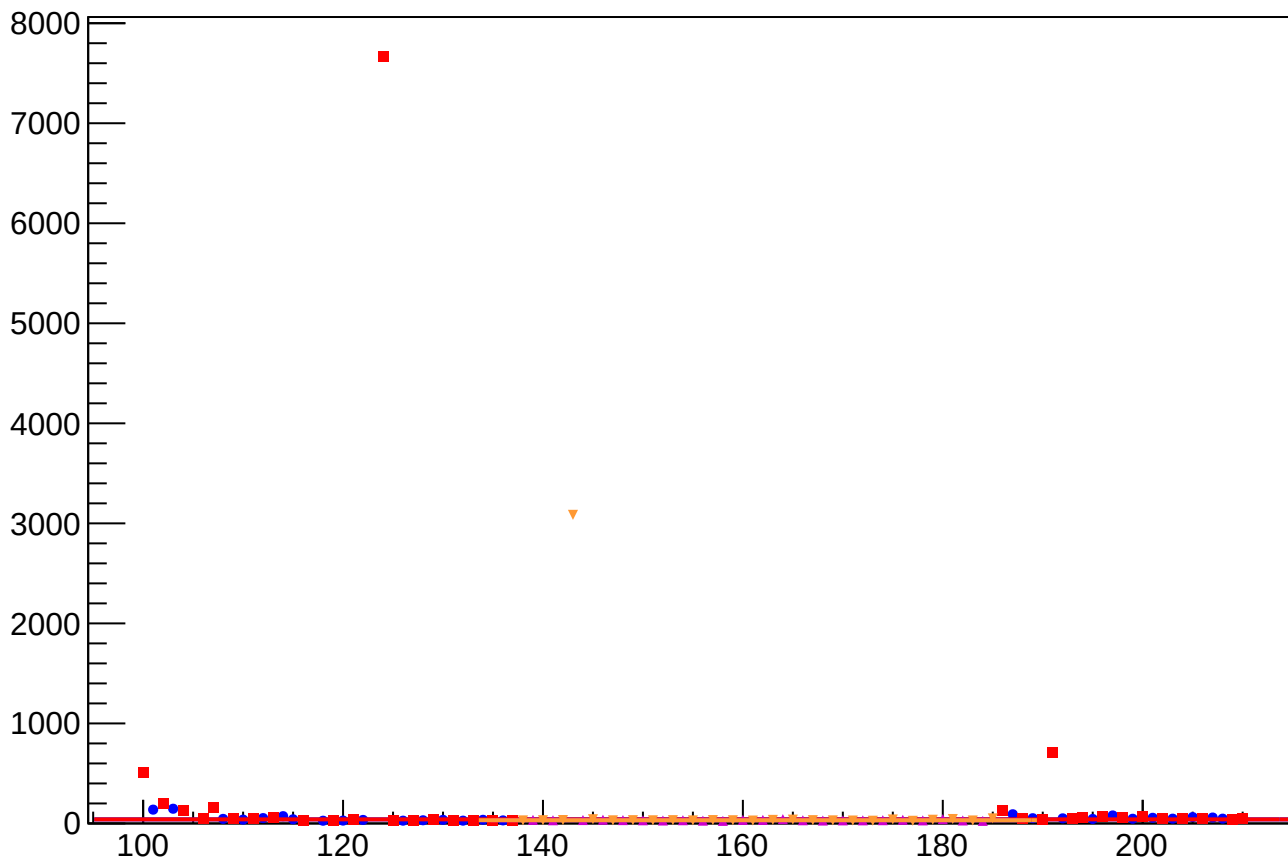
Left In: 0.004 $\pm$ 0.008 χ^2 /NDF: 20.8/22

+ sign -0.009 $\pm$ 0.007 χ^2 /NDF: 68.1/51

All: -0.002 $\pm$ 0.005 χ^2 /NDF: 119.2/107

- sign 0.006 $\pm$ 0.007 χ^2 /NDF: 48.6/55

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.760 $\pm$ 0.008 χ^2 /NDF: 3268899.2/26

Left Out: 32.277 $\pm$ 0.006 χ^2 /NDF: 2120929.6/24

Right Out: 40.729 $\pm$ 0.008 χ^2 /NDF: 4346814.1/32

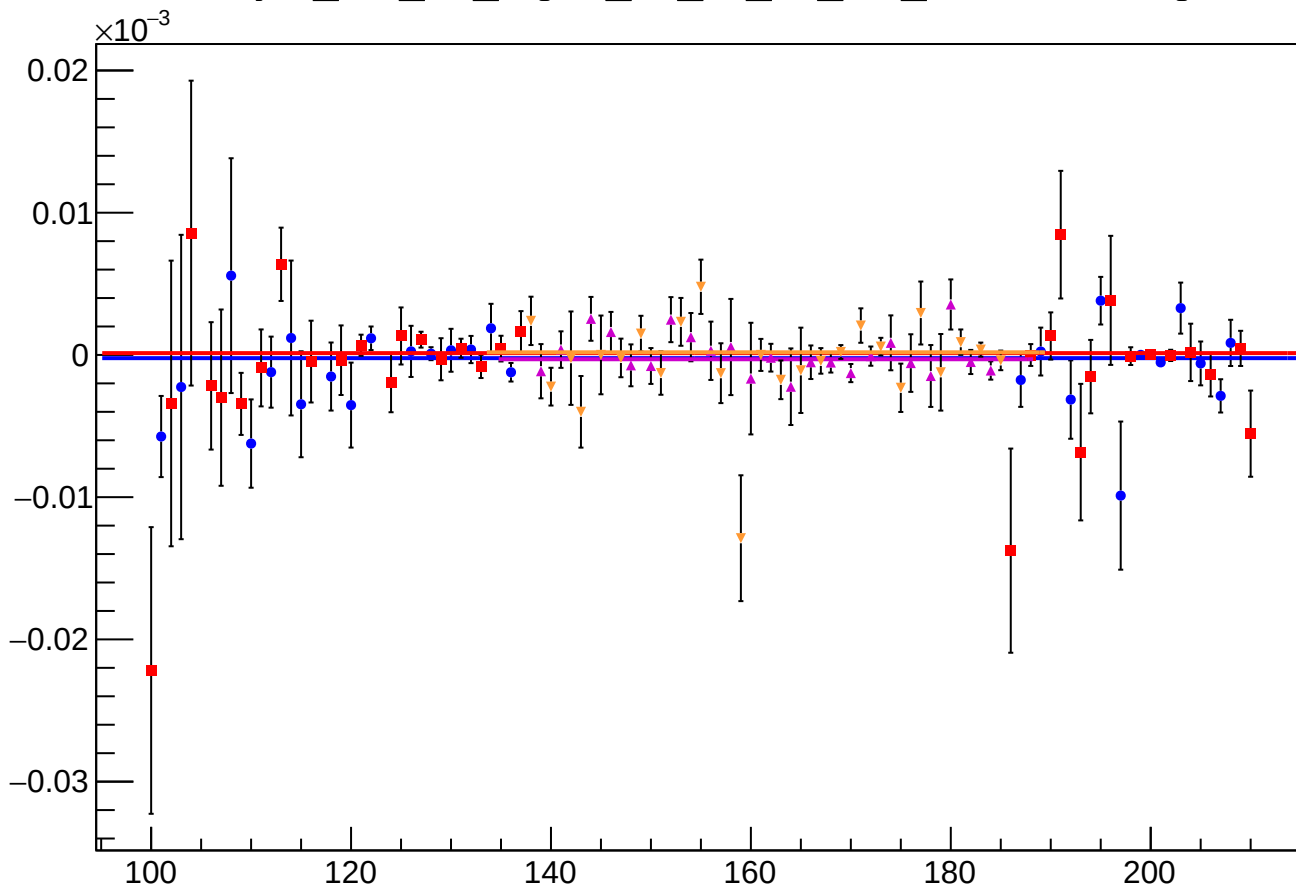
Left In: 32.421 $\pm$ 0.006 χ^2 /NDF: 426084.8/22

+ sign 35.050 $\pm$ 0.005 χ^2 /NDF: 6083944.0/51

All: 35.176 $\pm$ 0.003 χ^2 /NDF: 11554666.8/107

- sign 35.300 $\pm$ 0.005 χ^2 /NDF: 5469338.8/55

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 40.5/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 37.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 38.5/32

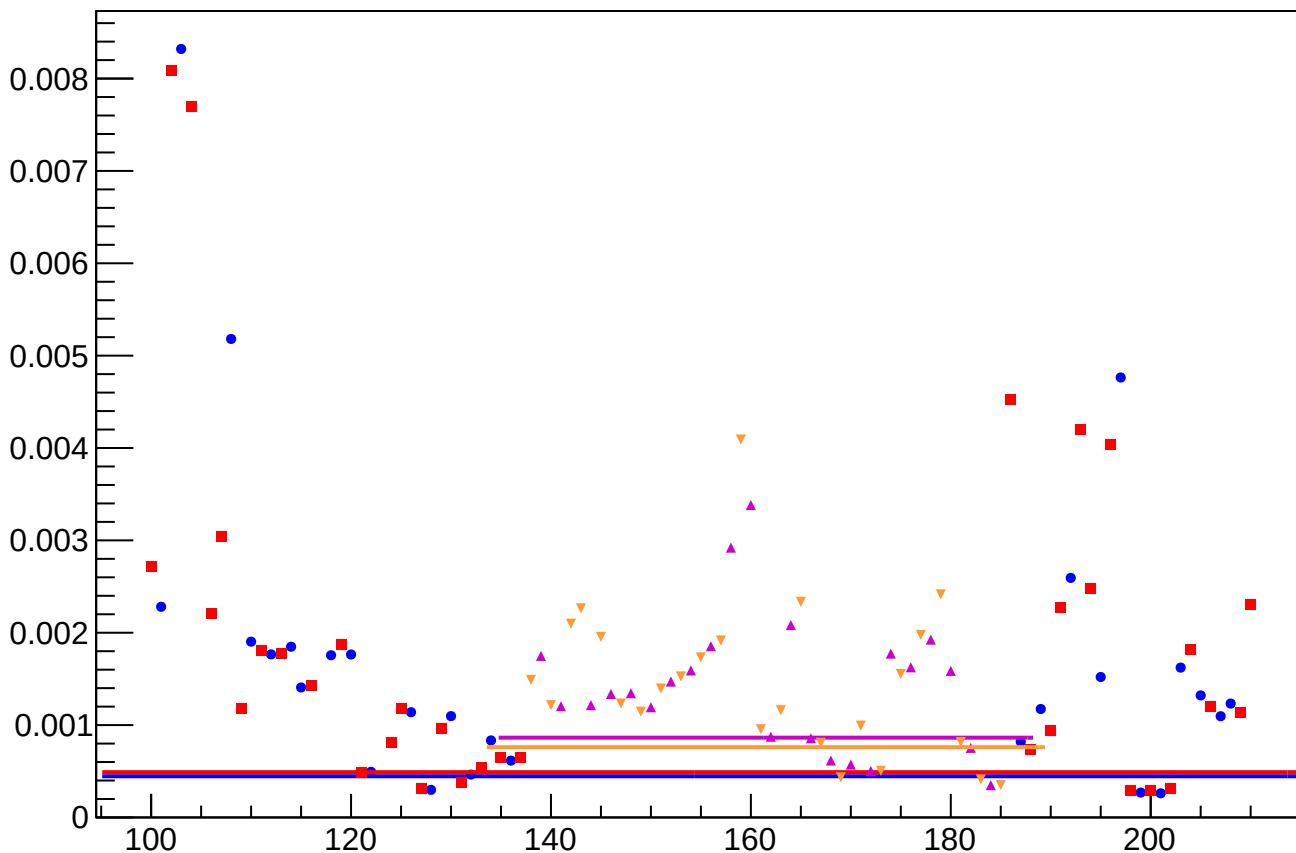
Left In: -0.000 ± 0.000 χ^2/NDF : 20.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 80.4/51

All: -0.000 ± 0.000 χ^2/NDF : 141.5/107

- sign -0.000 ± 0.000 χ^2/NDF : 60.9/55

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 13965187.3/26

Left Out: 0.001+/-0.000 χ^2/NDF :11085699.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14579524.5/32

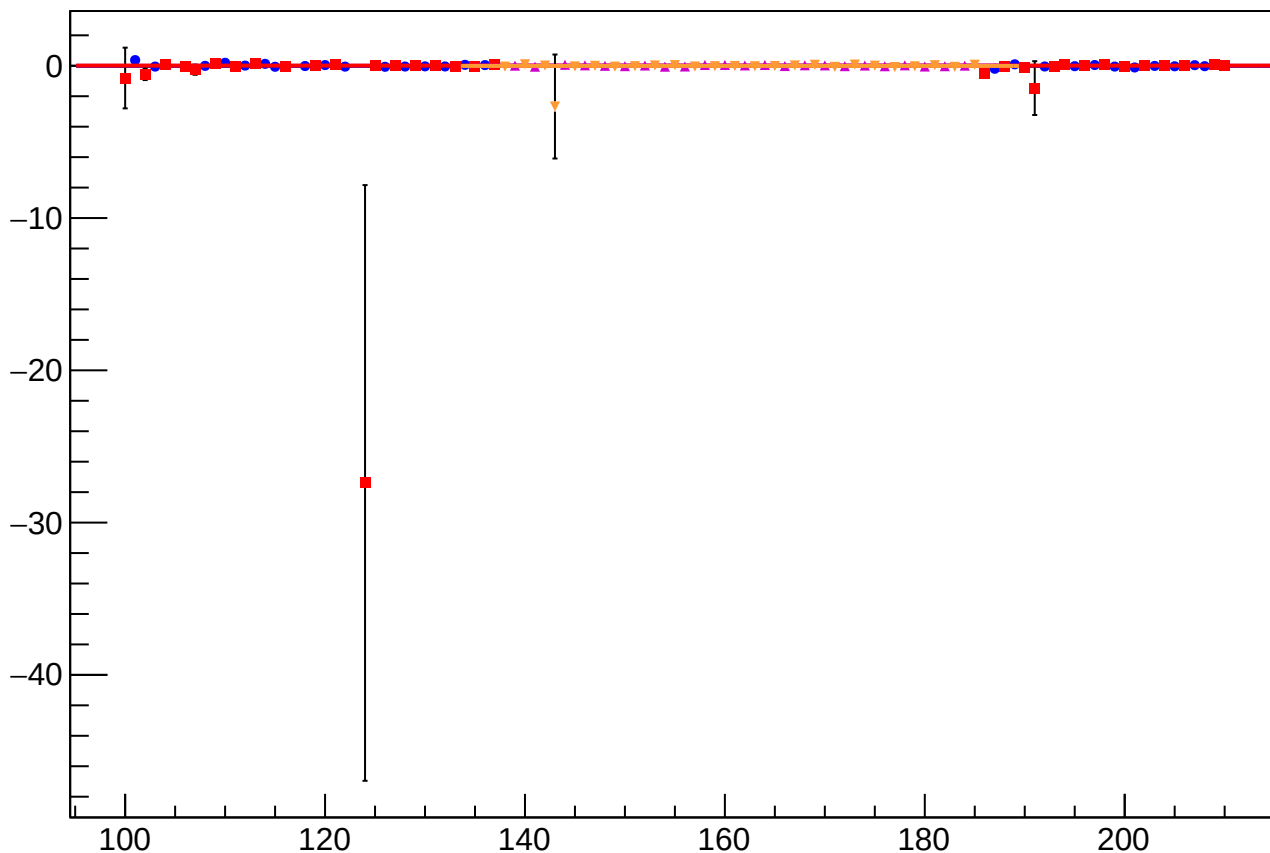
Left In: 0.001+/-0.000 χ^2/NDF :8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 27841478.1/51

All: 0.001+/-0.000 χ^2/NDF : 54280675.3/107

- sign 0.001+/-0.000 χ^2/NDF : 26284114.0/55

asym at1 dd eigen dit vs cor diff mean vs Slug



Right In: -0.007+/-0.012 χ^2/NDF : 28.5/26

Left Out: -0.010 ± 0.008 $\chi^2/\text{NDF}: 39.5/24$

Right Out: 0.010 ± 0.011 χ^2/NDF : 27.6/32

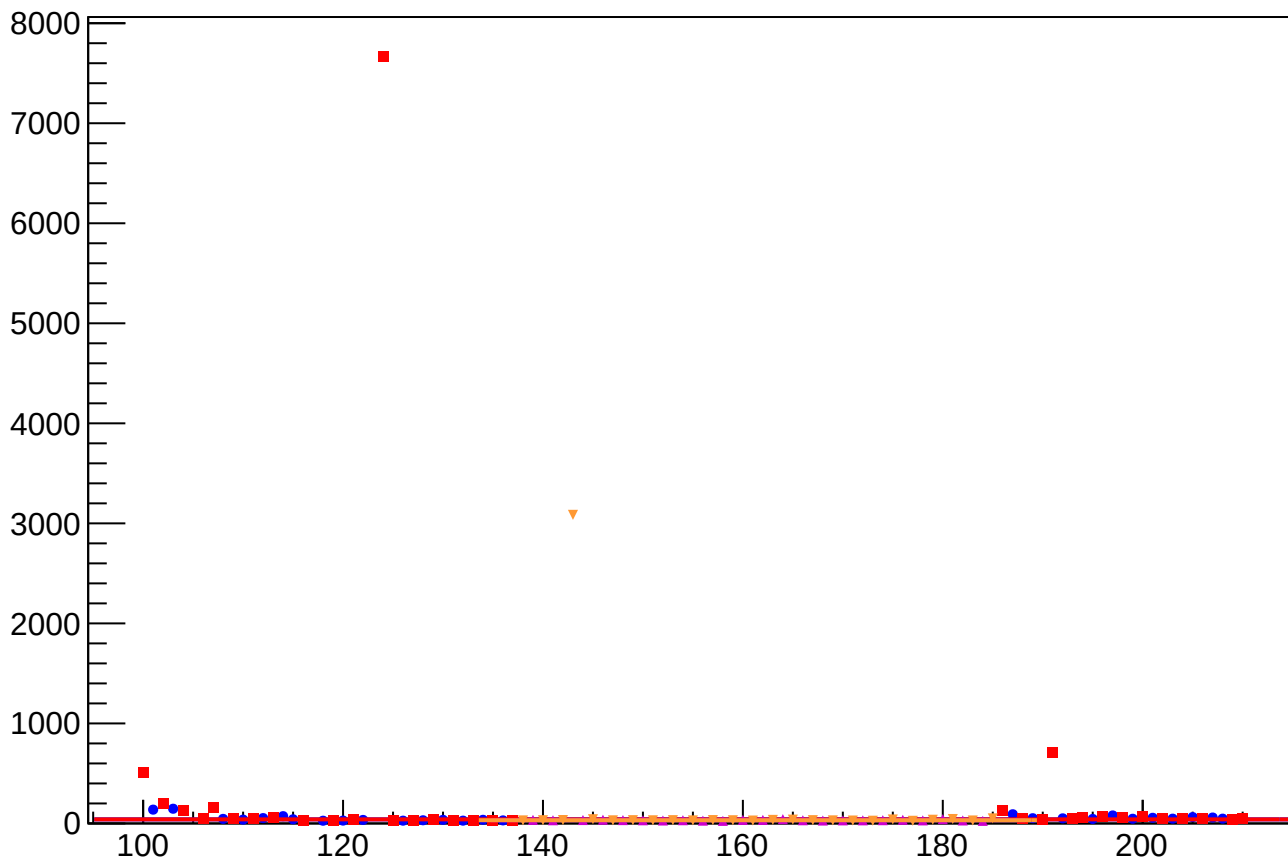
Left In: 0.004+/-0.008 χ^2/NDF :20.8/22

+ sign -0.009+/-0.007 χ^2/NDF : 68.1/51

All: -0.002 ± 0.005 χ^2/NDF : 119.2/107

- sign 0.006+/-0.007 χ^2/NDF : 48.6/55

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.760 $\pm$ 0.008 χ^2 /NDF: 3268892.0/26

Left Out: 32.277 $\pm$ 0.006 χ^2 /NDF: 2120971.9/24

Right Out: 40.729 $\pm$ 0.008 χ^2 /NDF: 4346827.7/32

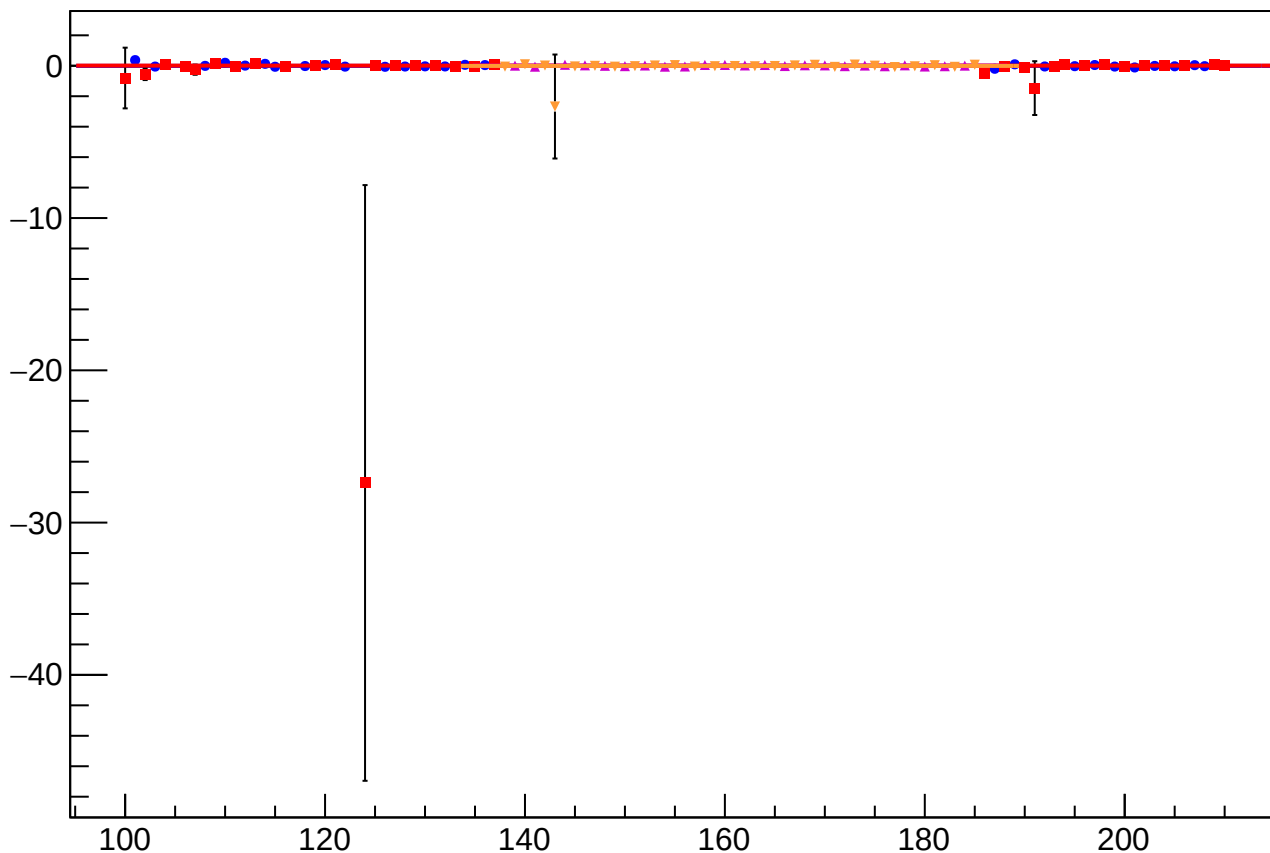
Left In: 32.422 $\pm$ 0.006 χ^2 /NDF: 426001.5/22

+ sign 35.050 $\pm$ 0.005 χ^2 /NDF: 6083993.2/51

All: 35.176 $\pm$ 0.003 χ^2 /NDF: 11554611.1/107

- sign 35.300 $\pm$ 0.005 χ^2 /NDF: 5469231.3/55

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.012 χ^2/NDF : 28.5/26

Left Out: -0.010 ± 0.008 χ^2/NDF : 39.5/24

Right Out: 0.010 ± 0.011 χ^2/NDF : 27.6/32

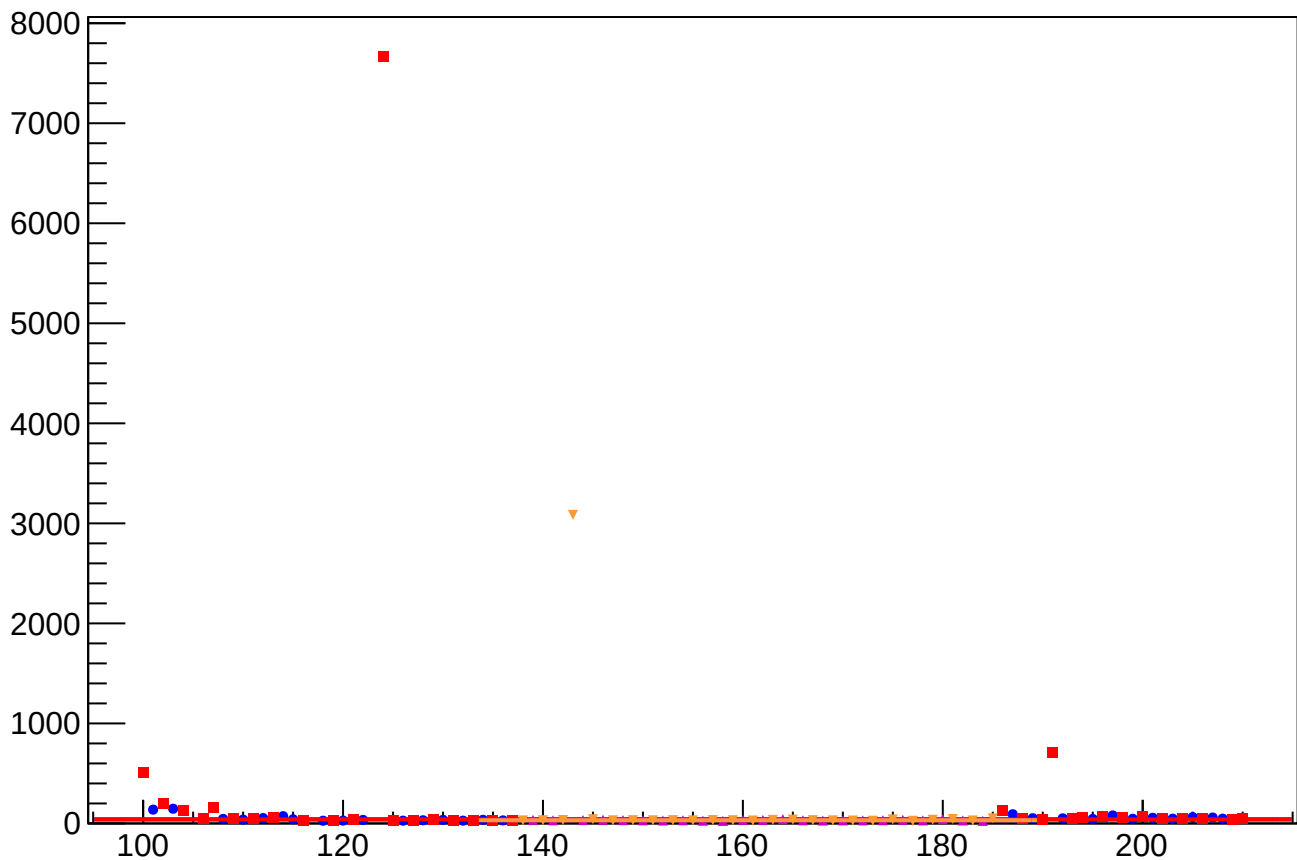
Left In: 0.004 ± 0.008 χ^2/NDF : 20.8/22

+ sign -0.009 ± 0.007 χ^2/NDF : 68.1/51

All: -0.002 ± 0.005 χ^2/NDF : 119.2/107

- sign 0.006 ± 0.007 χ^2/NDF : 48.6/55

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.760 $\pm$ 0.008 χ^2 /NDF: 3268892.0/26

Left Out: 32.277 $\pm$ 0.006 χ^2 /NDF: 2120971.9/24

Right Out: 40.729 $\pm$ 0.008 χ^2 /NDF: 4346827.7/32

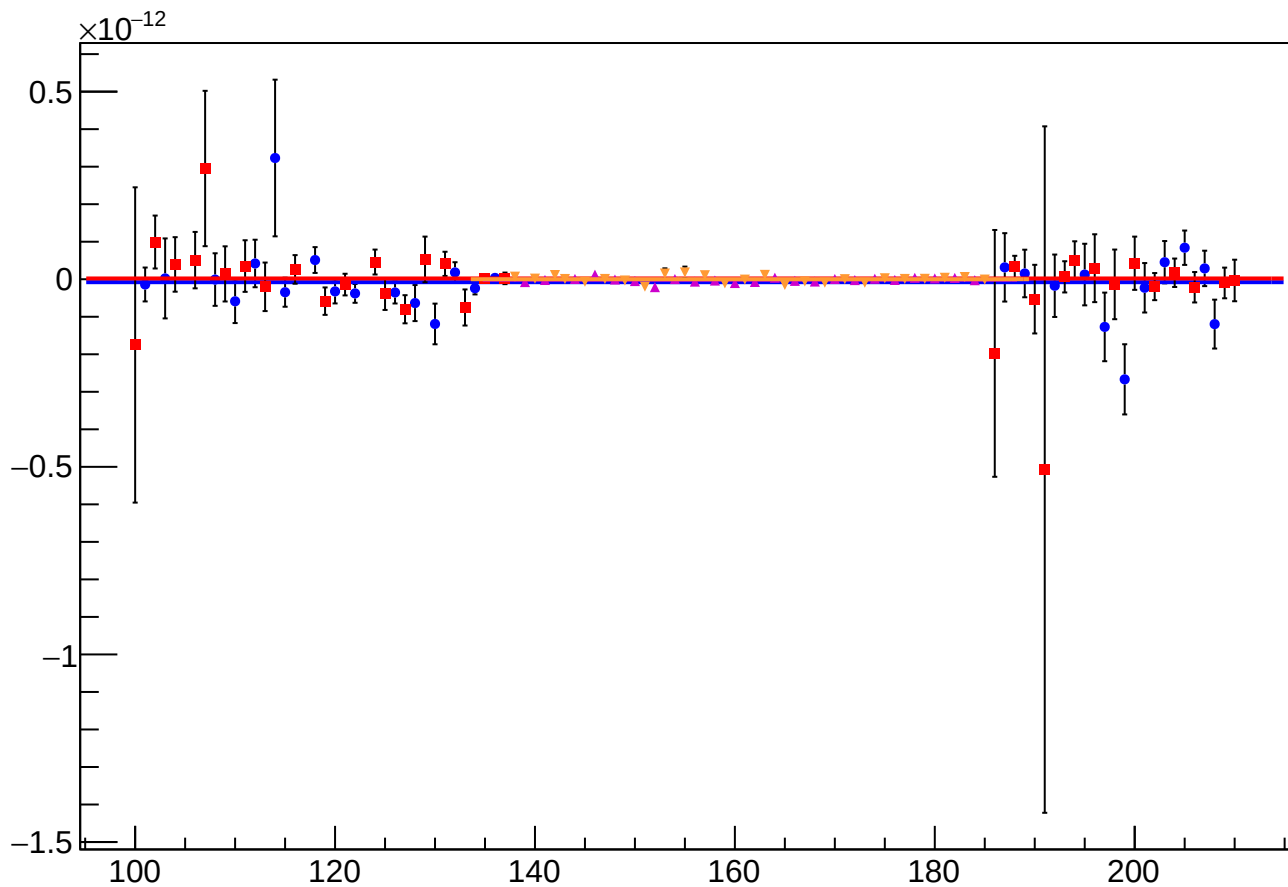
Left In: 32.422 $\pm$ 0.006 χ^2 /NDF: 426001.5/22

+ sign 35.050 $\pm$ 0.005 χ^2 /NDF: 6083993.2/51

All: 35.176 $\pm$ 0.003 χ^2 /NDF: 11554611.1/107

- sign 35.300 $\pm$ 0.005 χ^2 /NDF: 5469231.3/55

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 37.6/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.3/32

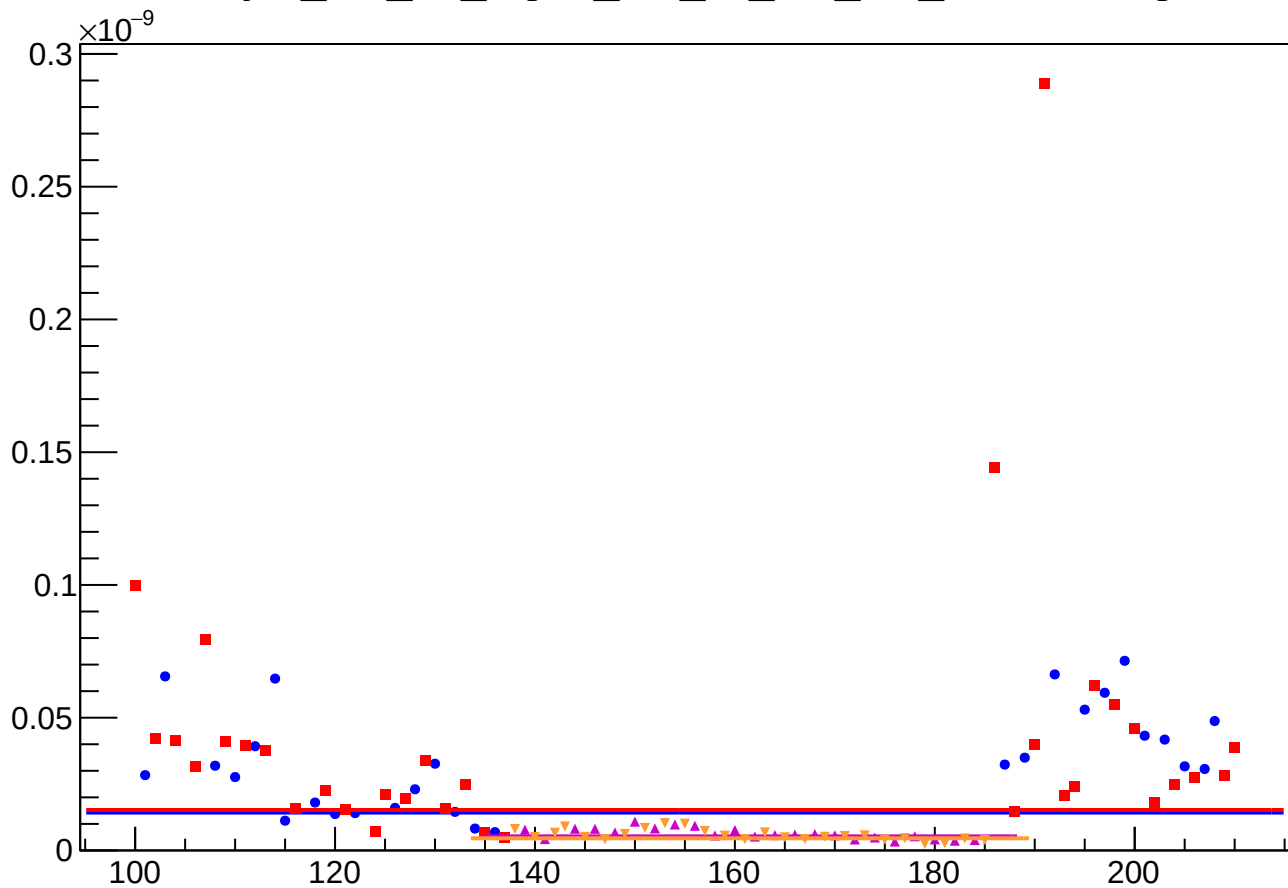
Left In: -0.000 ± 0.000 χ^2/NDF : 9.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 60.2/51

All: -0.000 ± 0.000 χ^2/NDF : 95.0/107

- sign -0.000 ± 0.000 χ^2/NDF : 34.7/55

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 7938905.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2796753.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 7005841.5/32

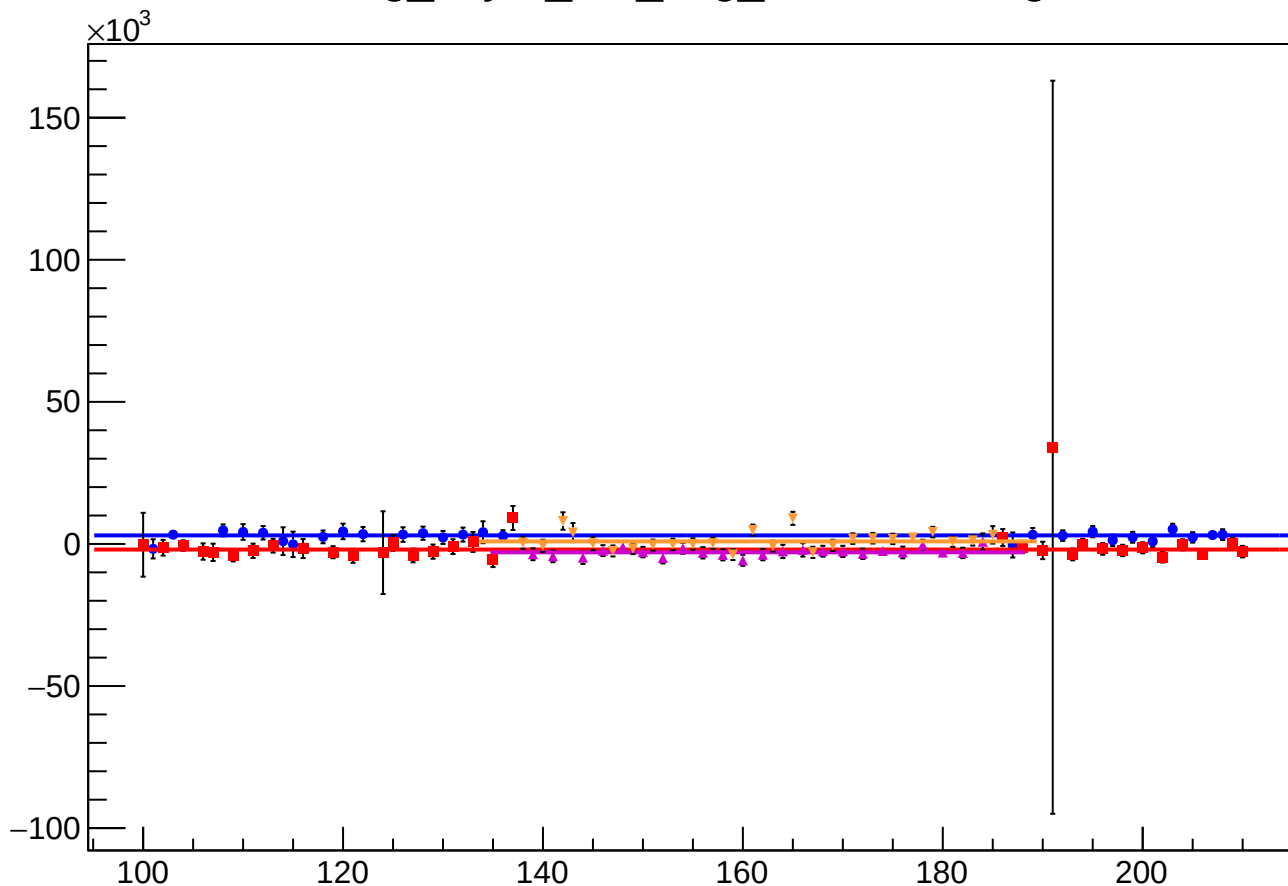
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2230717.6/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 15538858.7/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 29649603.9/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 13822940.8/55

reg_asym_at2_avg_mean vs Slug



Right In: 3007.460+/-435.558 χ^2/NDF : 8.8/26

Left Out: 898.921+/-405.540 χ^2/NDF : 45.3/24

Right Out: -1972.469+/-416.679 χ^2/NDF : 23.1/32

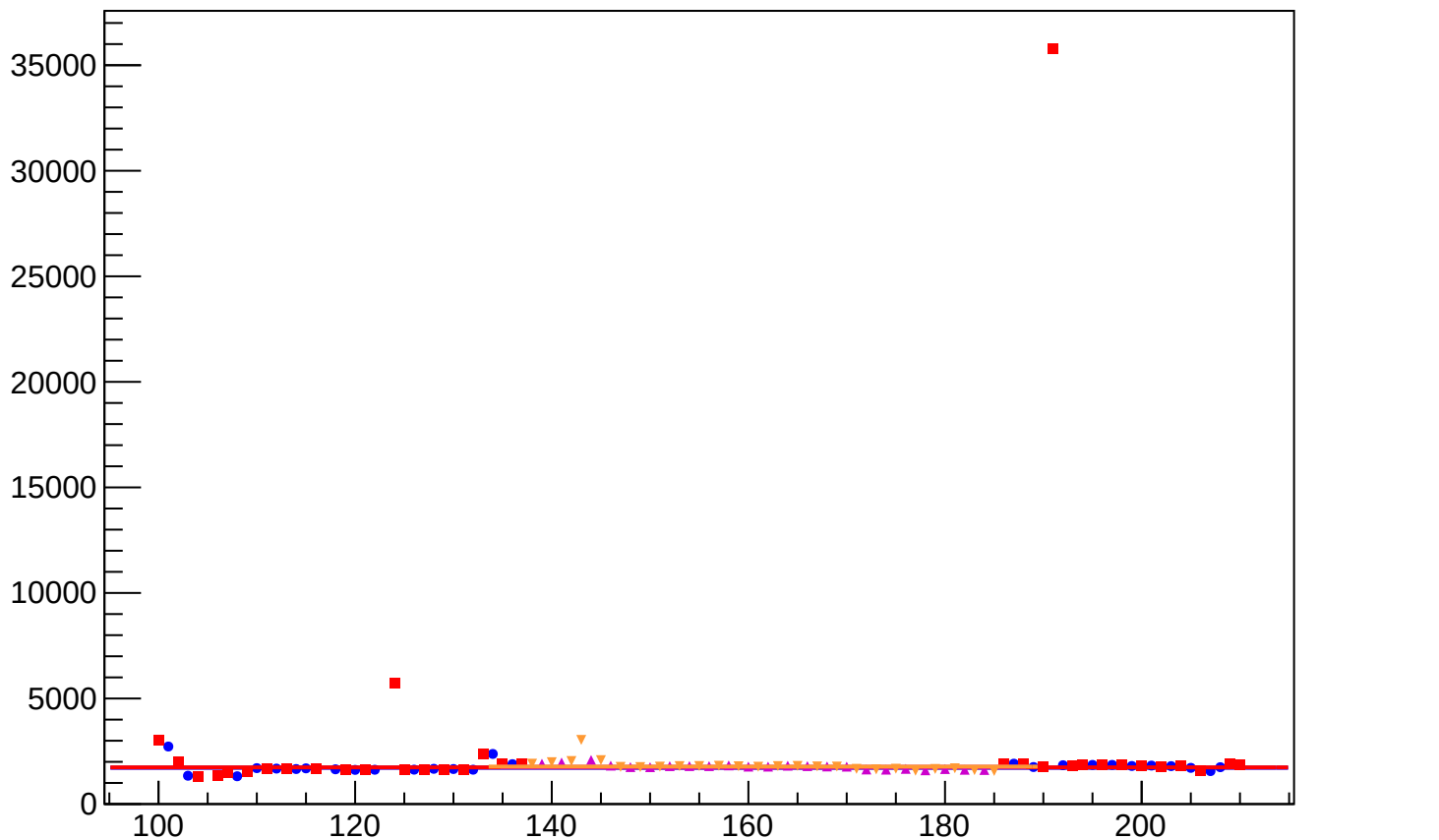
Left In: -2943.285+/-412.069 χ^2/NDF : 10.6/22

+ sign 1878.035+/-296.806 χ^2/NDF : 66.6/51

All: -320.682+/-208.512 χ^2/NDF : 211.4/107

- sign -2463.278+/-292.993 χ^2/NDF : 36.4/55

reg_asym_at2_avg_rms vs Slug



Right In: 1718.147+/-0.308 χ^2/NDF : 493661.6/26

Left Out: 1774.731+/-0.287 χ^2/NDF : 446895.8/24

Right Out: 1737.087+/-0.295 χ^2/NDF : 715474.1/32

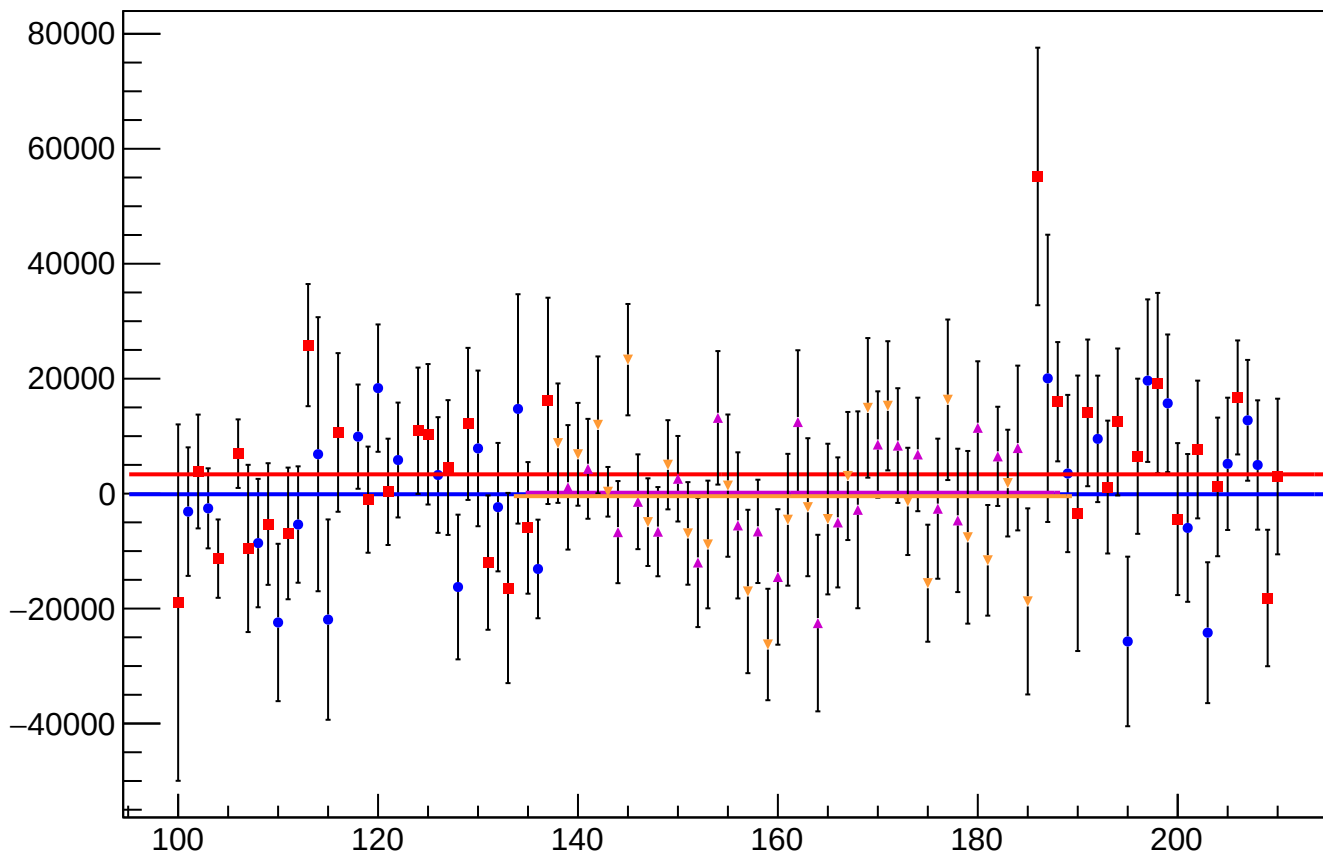
Left In: 1761.089+/-0.291 χ^2/NDF : 146266.6/22

+ sign 1748.456+/-0.210 χ^2/NDF : 958637.3/51

All: 1748.843+/-0.147 χ^2/NDF : 1823739.6/10

- sign 1749.221+/-0.207 χ^2/NDF : 865095.6/55

asym_at2_avg_reg_correction_mean vs Slug



Right In: -108.727 ± 2225.874 $\chi^2/\text{NDF}: 28.9/26$

Left Out: -443.346 ± 1925.604 $\chi^2/\text{NDF}: 29.5/24$

Right Out: 3356.486 ± 1984.432 $\chi^2/\text{NDF}: 33.3/32$

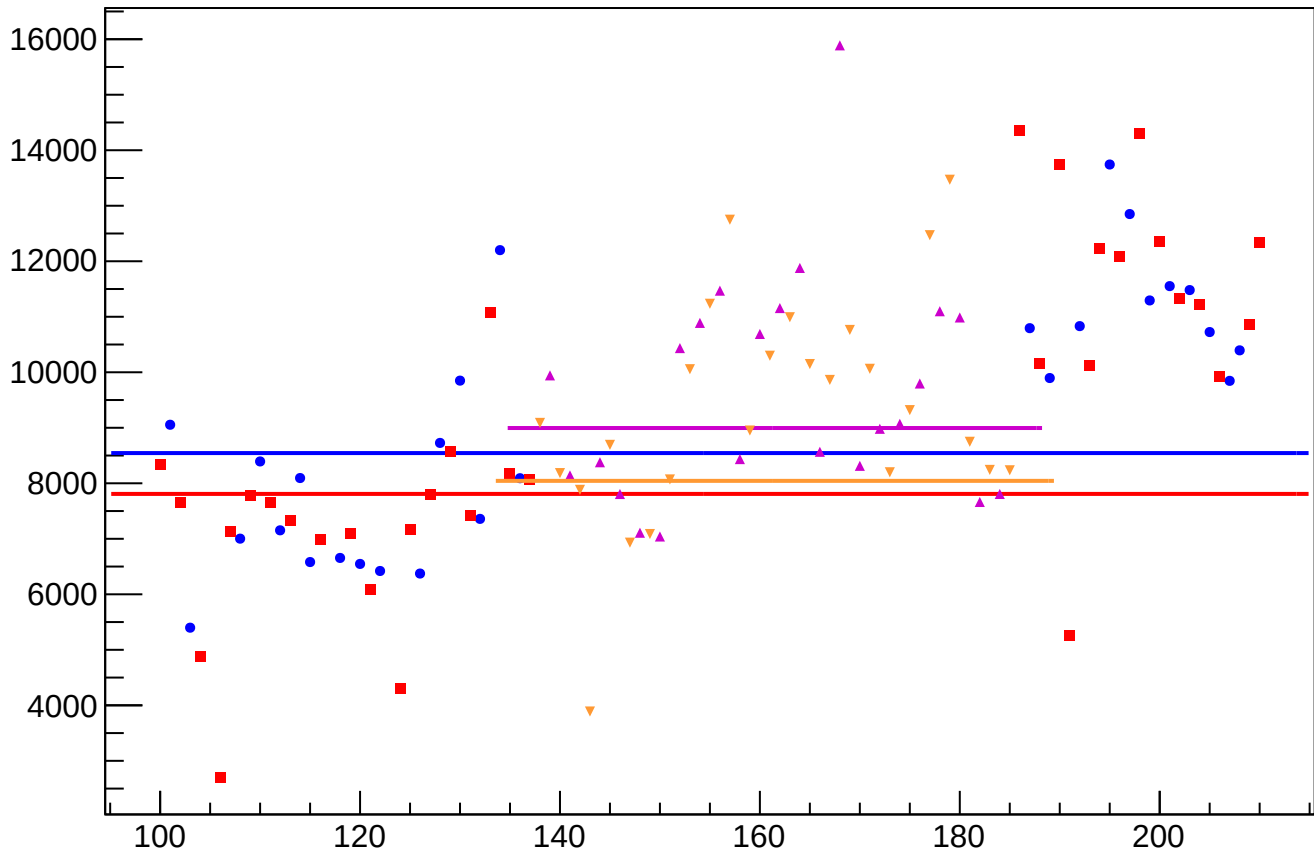
Left In: 155.268 ± 2143.489 $\chi^2/\text{NDF}: 13.8/22$

+ sign -300.113 ± 1456.286 $\chi^2/\text{NDF}: 58.4/51$

All: 789.536 ± 1029.717 $\chi^2/\text{NDF}: 107.8/107$

- sign 1879.044 ± 1456.193 $\chi^2/\text{NDF}: 48.3/55$

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8544.345+/-1.574 χ^2/NDF : 2006184.5/26

Left Out: 8043.834+/-1.362 χ^2/NDF : 3362838.6/24

Right Out: 7808.580+/-1.403 χ^2/NDF : 4584166.9/32

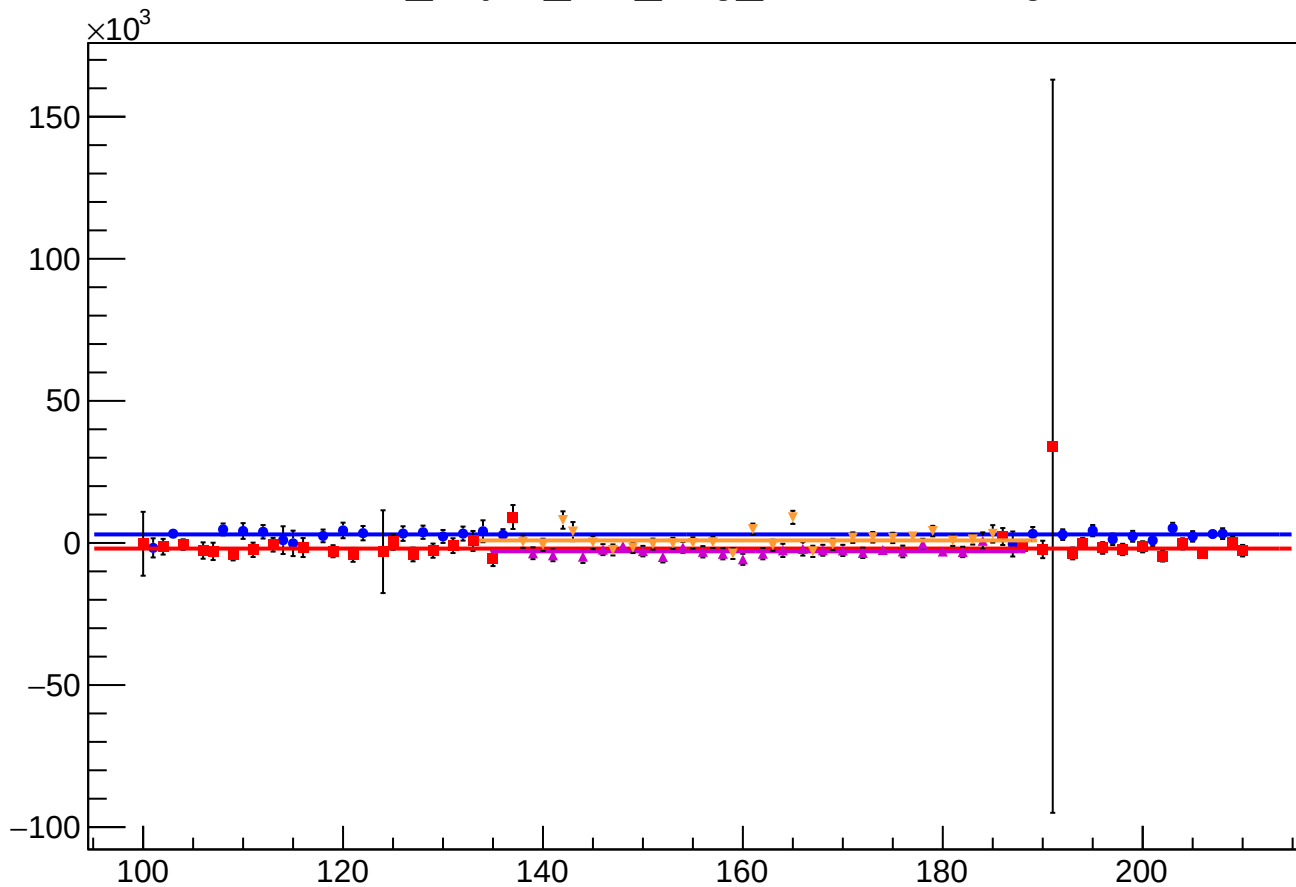
Left In: 8995.626+/-1.516 χ^2/NDF : 1207133.5/22

+ sign 8258.077+/-1.030 χ^2/NDF : 5426861.5/51

All: 8307.257+/-0.728 χ^2/NDF : 11553008.2/100

- sign 8356.431+/-1.030 χ^2/NDF : 6121585.0/55

cor_asym_at2_avg_mean vs Slug



Right In: 3007.520 ± 435.558 χ^2/NDF : 8.8/26

Left Out: 898.842 ± 405.540 χ^2/NDF : 45.3/24

Right Out: -1972.409 ± 416.679 χ^2/NDF : 23.1/32

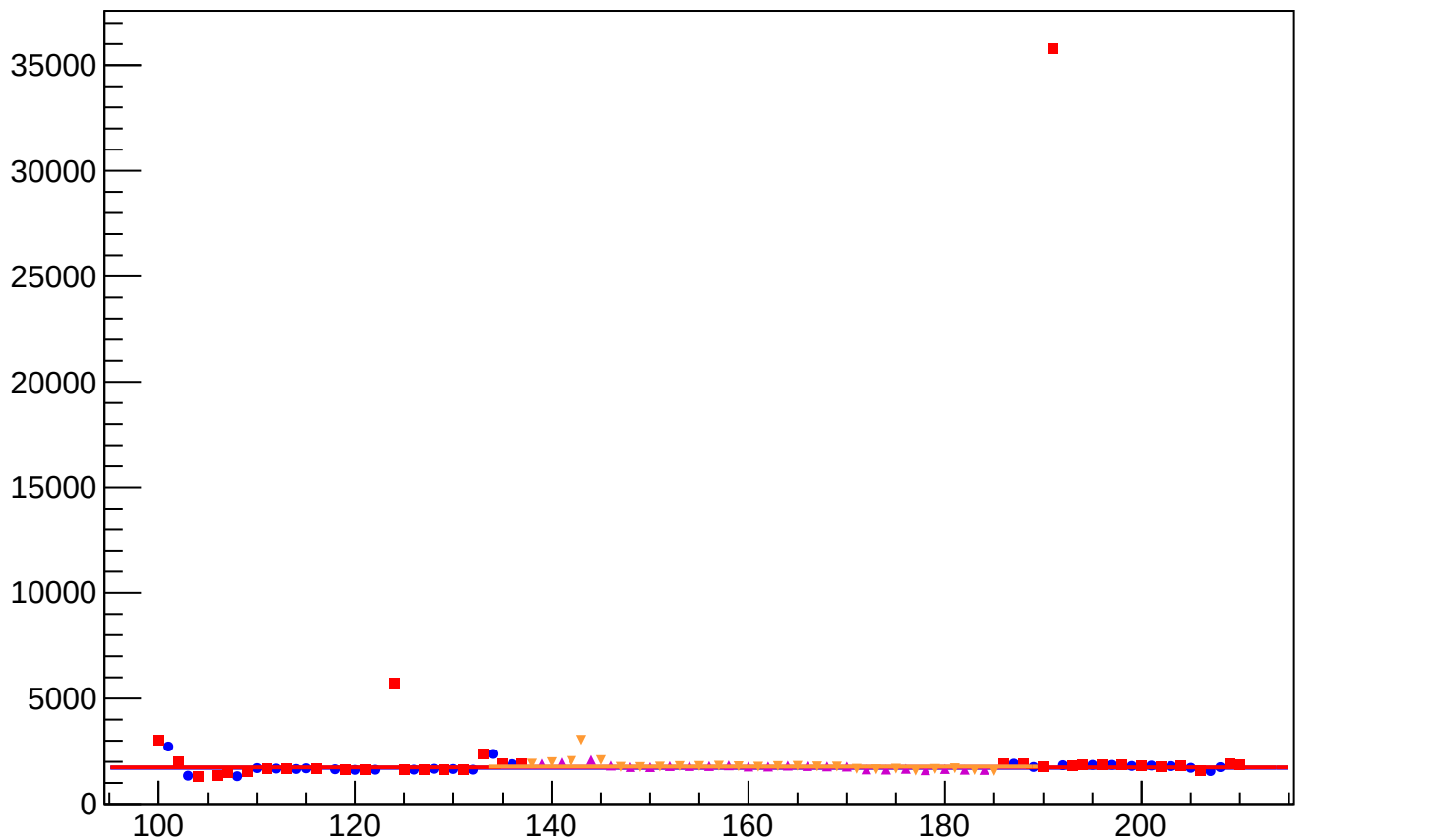
Left In: -2943.173 ± 412.069 χ^2/NDF : 10.6/22

+ sign 1878.020 ± 296.806 χ^2/NDF : 66.6/51

All: -320.645 ± 208.512 χ^2/NDF : 211.4/107

- sign -2463.191 ± 292.993 χ^2/NDF : 36.4/55

cor_asym_at2_avg_rms vs Slug



Right In: 1718.147+/-0.308 χ^2/NDF : 493662.0/26

Left Out: 1774.731+/-0.287 χ^2/NDF : 446895.7/24

Right Out: 1737.087+/-0.295 χ^2/NDF : 715474.3/32

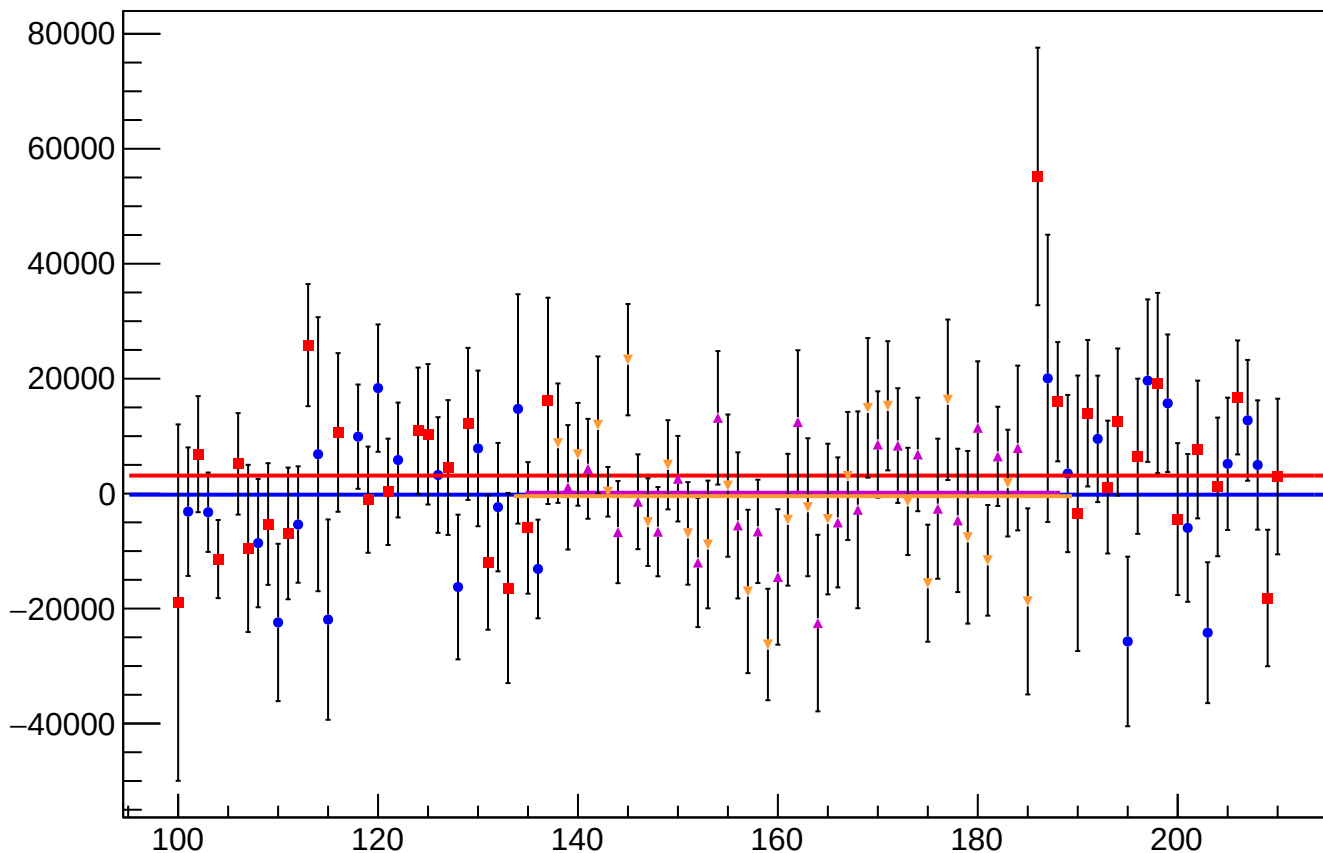
Left In: 1761.089+/-0.291 χ^2/NDF : 146266.6/22

+ sign 1748.456+/-0.210 χ^2/NDF : 958637.8/51

All: 1748.843+/-0.147 χ^2/NDF : 1823740.3/10

- sign 1749.221+/-0.207 χ^2/NDF : 865095.8/55

asym_at2_avg_cor_correction_mean vs Slug



Right In: -183.515 $\pm$ 2223.916 χ^2 /NDF: 29.0/26

Left Out: -443.387 $\pm$ 1925.600 χ^2 /NDF: 29.5/24

Right Out: 3138.558 $\pm$ 2048.055 χ^2 /NDF: 33.2/32

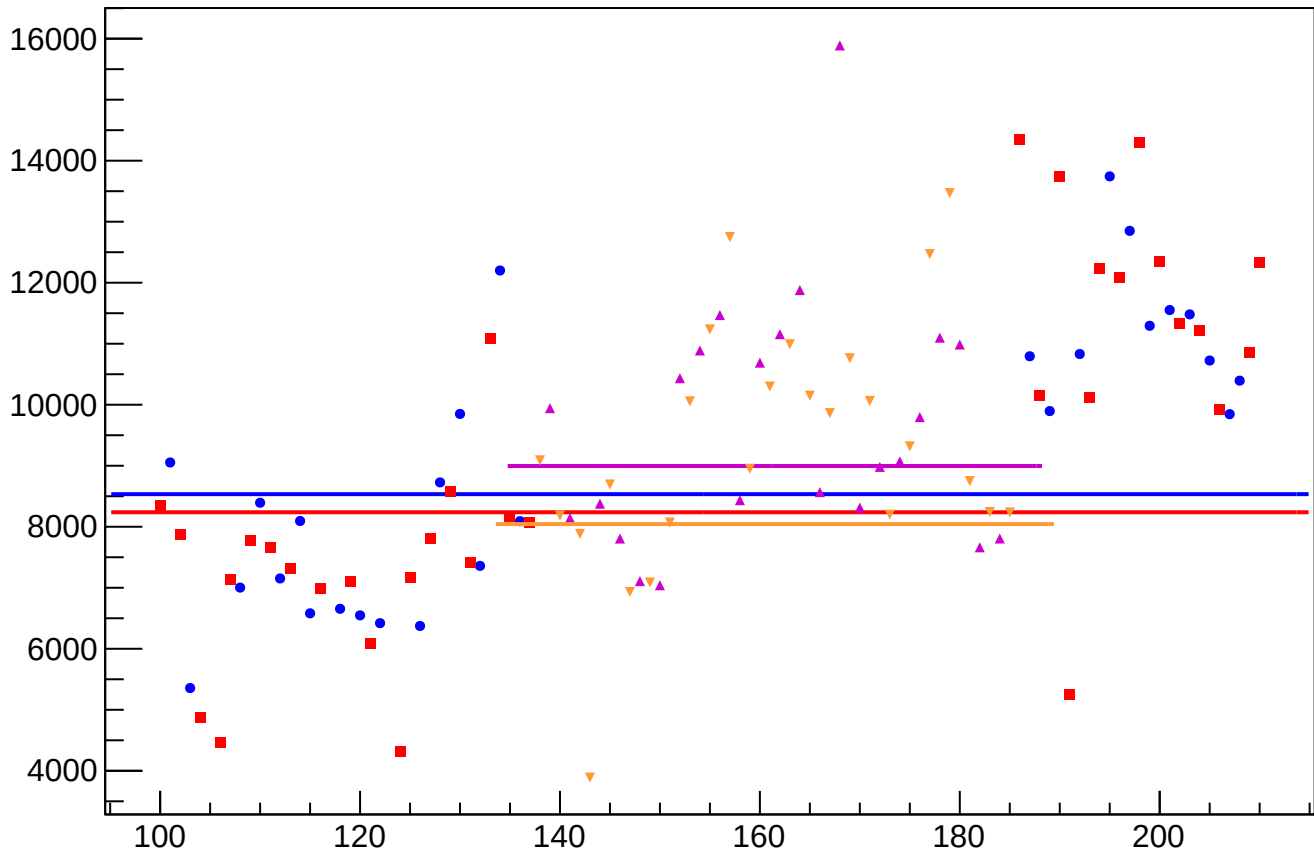
Left In: 155.239 $\pm$ 2143.487 χ^2 /NDF: 13.8/22

+ sign -332.038 $\pm$ 1455.736 χ^2 /NDF: 58.5/51

All: 673.918 $\pm$ 1038.103 χ^2 /NDF: 107.4/107

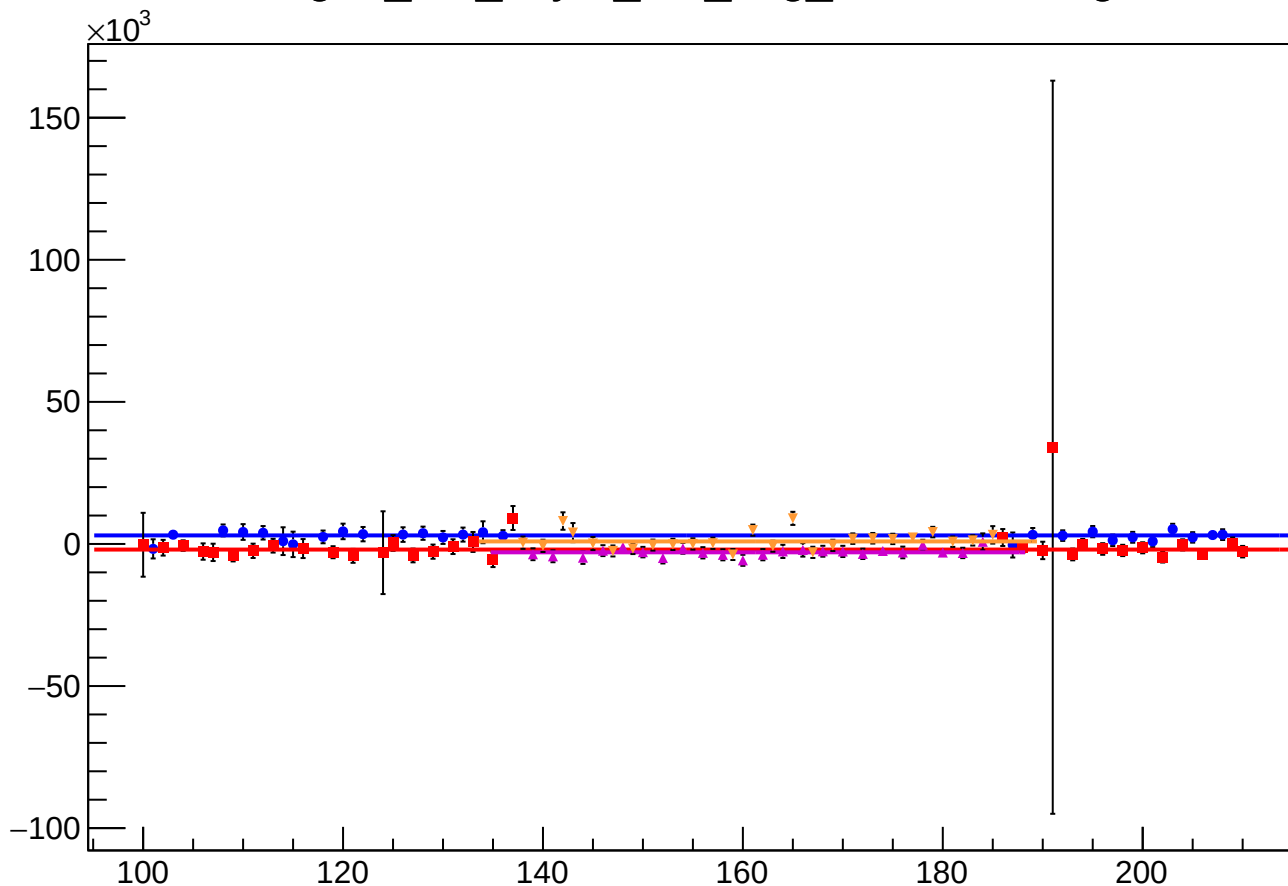
- sign 1714.786 $\pm$ 1480.782 χ^2 /NDF: 48.0/55

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8534.414+/-1.573	χ^2/NDF : 2024388.7/26	+ sign 8254.022+/-1.029	χ^2/NDF : 5442932.0/51
Left Out: 8043.808+/-1.362	χ^2/NDF : 3362915.7/24	All: 8423.748+/-0.734	χ^2/NDF : 10156472.2/101
Right Out: 8237.612+/-1.448	χ^2/NDF : 3320336.7/32	- sign 8599.364+/-1.047	χ^2/NDF : 4658222.6/55
Left In: 8995.616+/-1.516	χ^2/NDF : 1207139.1/22		

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3007.520 ± 435.558 χ^2/NDF : 8.8/26

Left Out: 898.842 ± 405.540 χ^2/NDF : 45.3/24

Right Out: -1972.409 ± 416.679 χ^2/NDF : 23.1/32

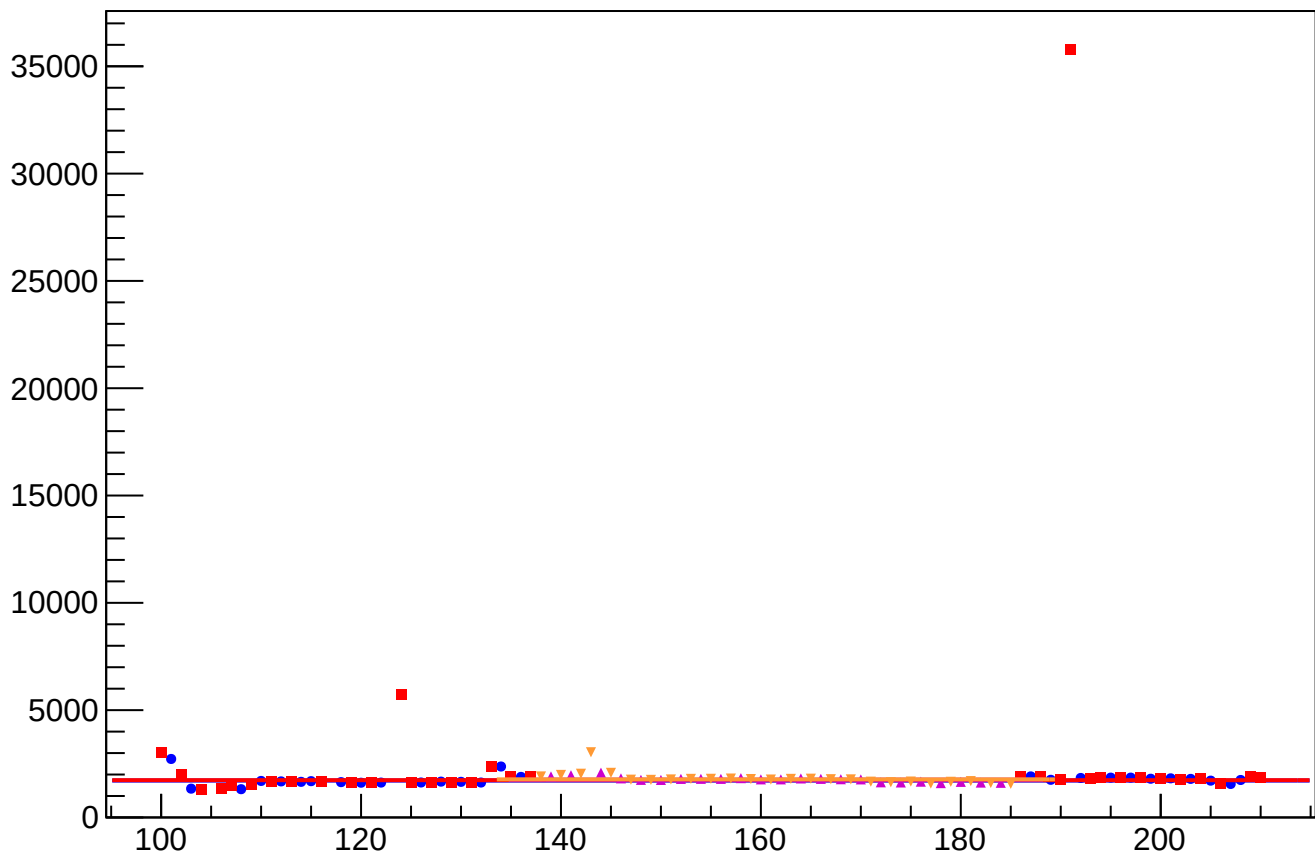
Left In: -2943.173 ± 412.069 χ^2/NDF : 10.6/22

+ sign 1878.020 ± 296.806 χ^2/NDF : 66.6/51

All: -320.645 ± 208.512 χ^2/NDF : 211.4/107

- sign -2463.191 ± 292.993 χ^2/NDF : 36.4/55

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1718.147+/-0.308 χ^2/NDF : 493662.0/26

Left Out: 1774.731+/-0.287 χ^2/NDF : 446895.7/24

Right Out: 1737.087+/-0.295 χ^2/NDF : 715474.3/32

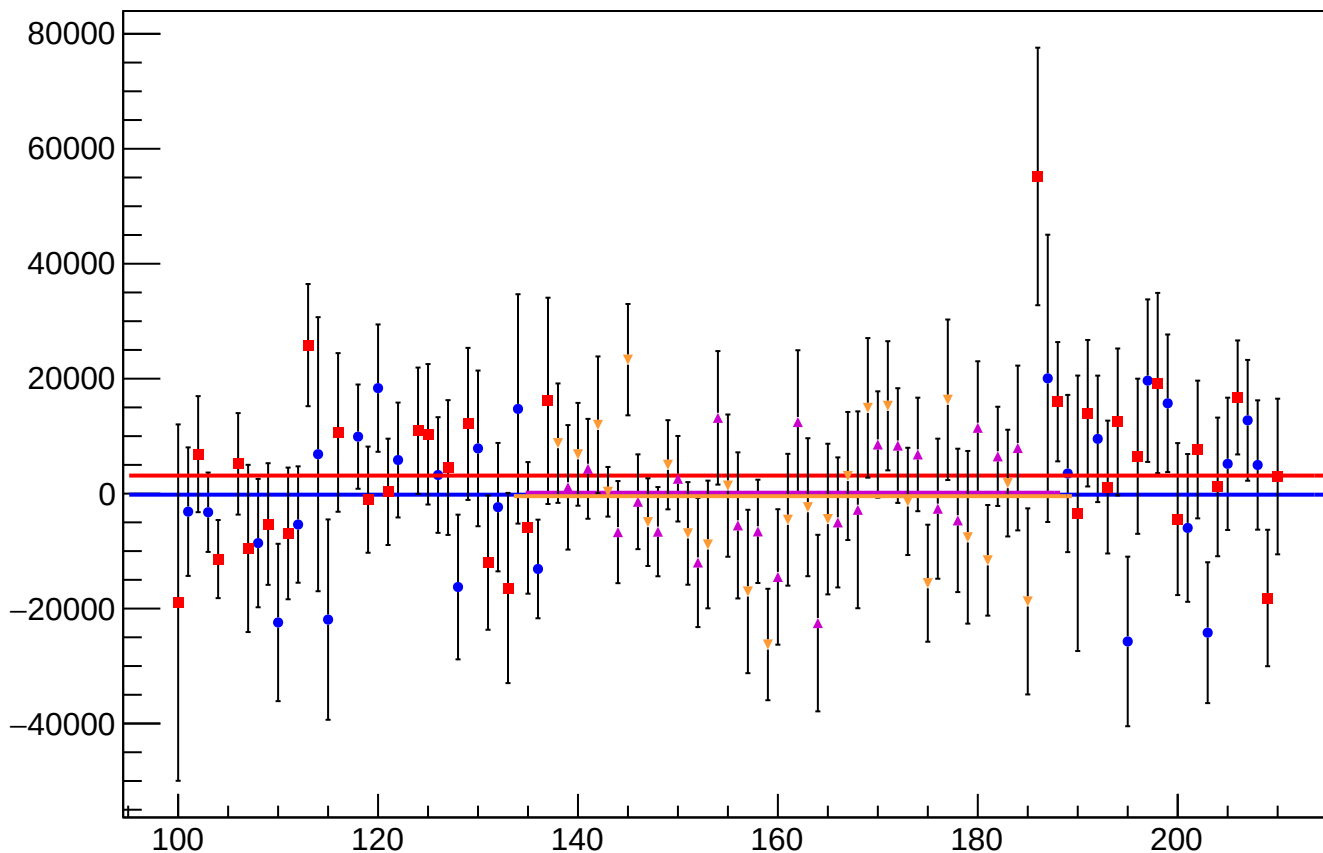
Left In: 1761.089+/-0.291 χ^2/NDF : 146266.6/22

+ sign 1748.456+/-0.210 χ^2/NDF : 958637.8/51

All: 1748.843+/-0.147 χ^2/NDF : 1823740.3/10

- sign 1749.221+/-0.207 χ^2/NDF : 865095.8/55

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -183.515 $\pm$ 2223.916 χ^2 /NDF: 29.0/26

Left Out: -443.387 $\pm$ 1925.600 χ^2 /NDF: 29.5/24

Right Out: 3138.558 $\pm$ 2048.055 χ^2 /NDF: 33.2/32

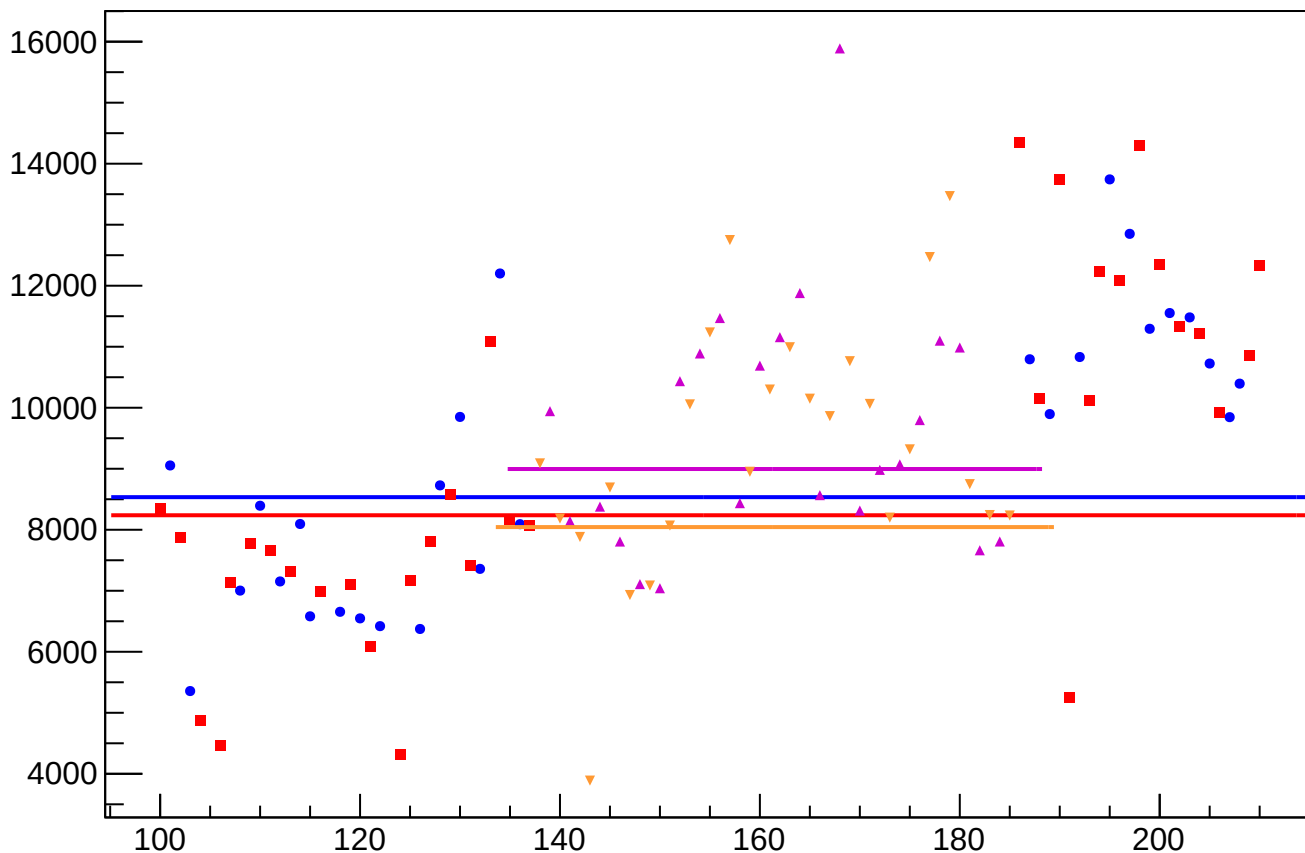
Left In: 155.239 $\pm$ 2143.487 χ^2 /NDF: 13.8/22

+ sign -332.038 $\pm$ 1455.736 χ^2 /NDF: 58.5/51

All: 673.918 $\pm$ 1038.103 χ^2 /NDF: 107.4/107

- sign 1714.786 $\pm$ 1480.782 χ^2 /NDF: 48.0/55

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8534.414+/-1.573 χ^2/NDF : 2024388.7/26

Left Out: 8043.808+/-1.362 χ^2/NDF : 3362915.7/24

Right Out: 8237.612+/-1.448 χ^2/NDF : 3320336.7/32

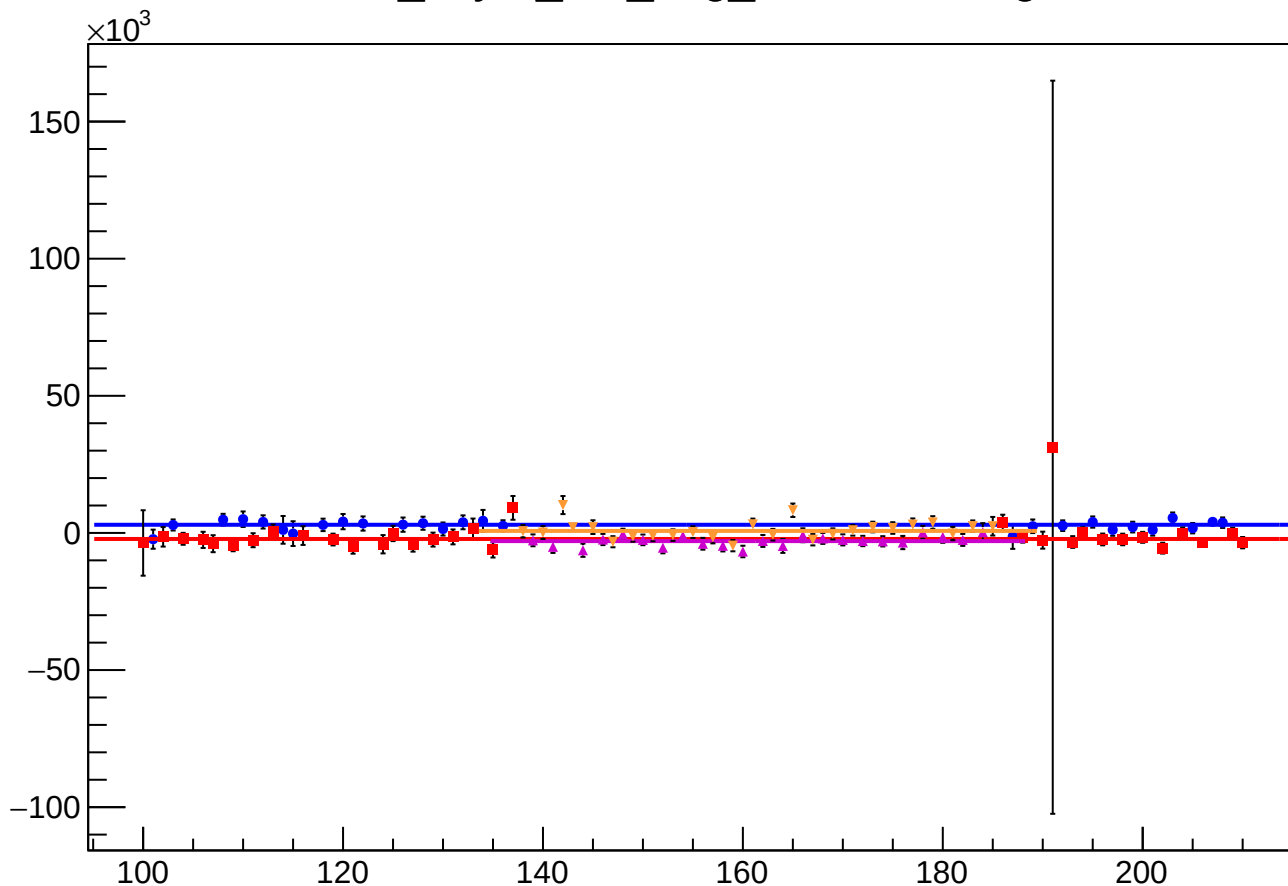
Left In: 8995.616+/-1.516 χ^2/NDF : 1207139.1/22

+ sign 8254.022+/-1.029 χ^2/NDF : 5442932.0/51

All: 8423.748+/-0.734 χ^2/NDF : 10156472.2/101

- sign 8599.364+/-1.047 χ^2/NDF : 4658222.6/55

dit_asym_at2_avg_mean vs Slug



Right In: 2975.402 $\pm$ 450.530 χ^2 /NDF: 10.8/26

Left Out: 739.029 $\pm$ 432.878 χ^2 /NDF: 41.6/24

Right Out: -2200.293 $\pm$ 428.898 χ^2 /NDF: 27.6/32

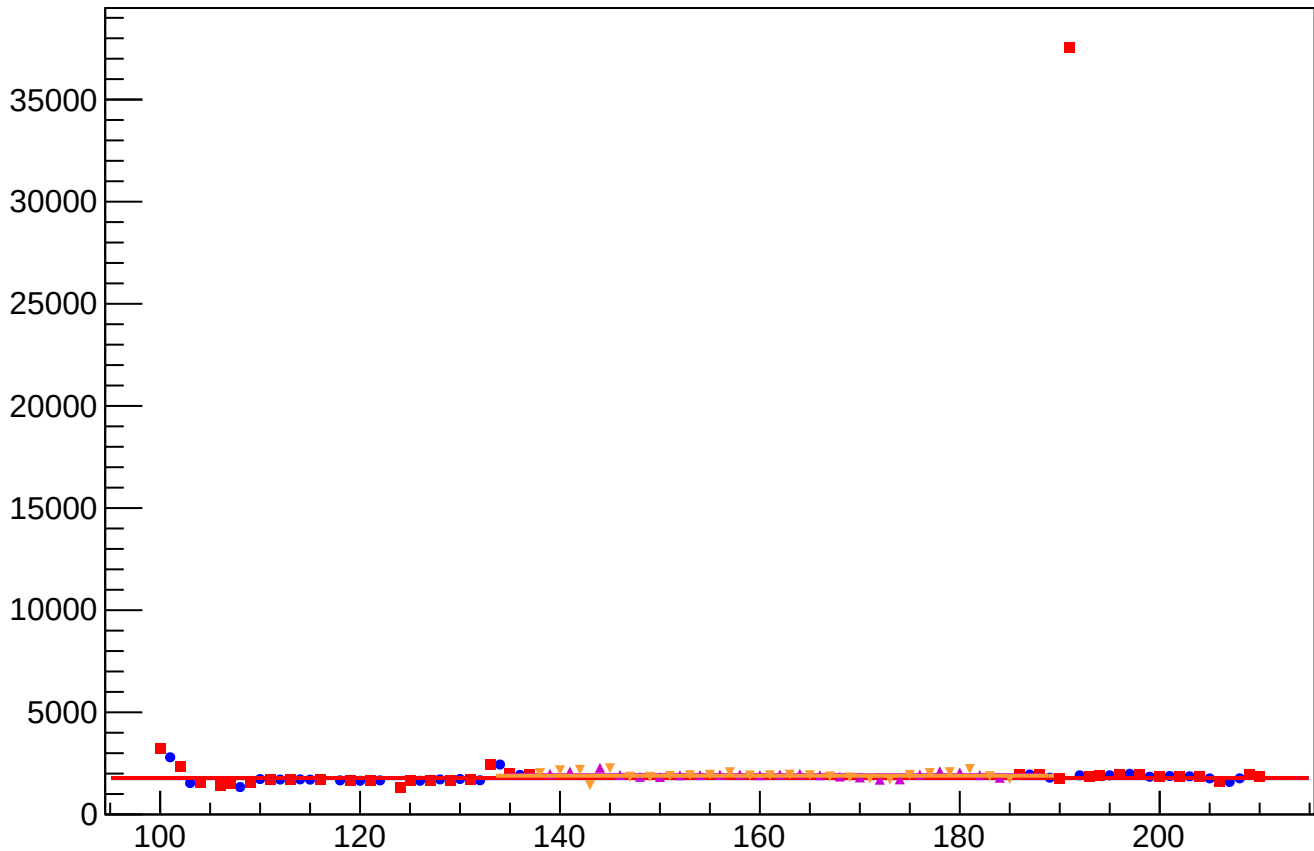
Left In: -2979.225 $\pm$ 450.334 χ^2 /NDF: 15.6/22

+ sign 1812.548 $\pm$ 312.145 χ^2 /NDF: 65.3/51

All: -390.140 $\pm$ 220.164 χ^2 /NDF: 209.1/107

- sign -2570.779 $\pm$ 310.579 χ^2 /NDF: 44.8/55

dit_asym_at2_avg_rms vs Slug



Right In: 1777.448+/-0.319 χ^2/NDF : 455384.4/26

Left Out: 1894.684+/-0.306 χ^2/NDF : 368587.1/24

Right Out: 1786.328+/-0.303 χ^2/NDF : 578992.4/32

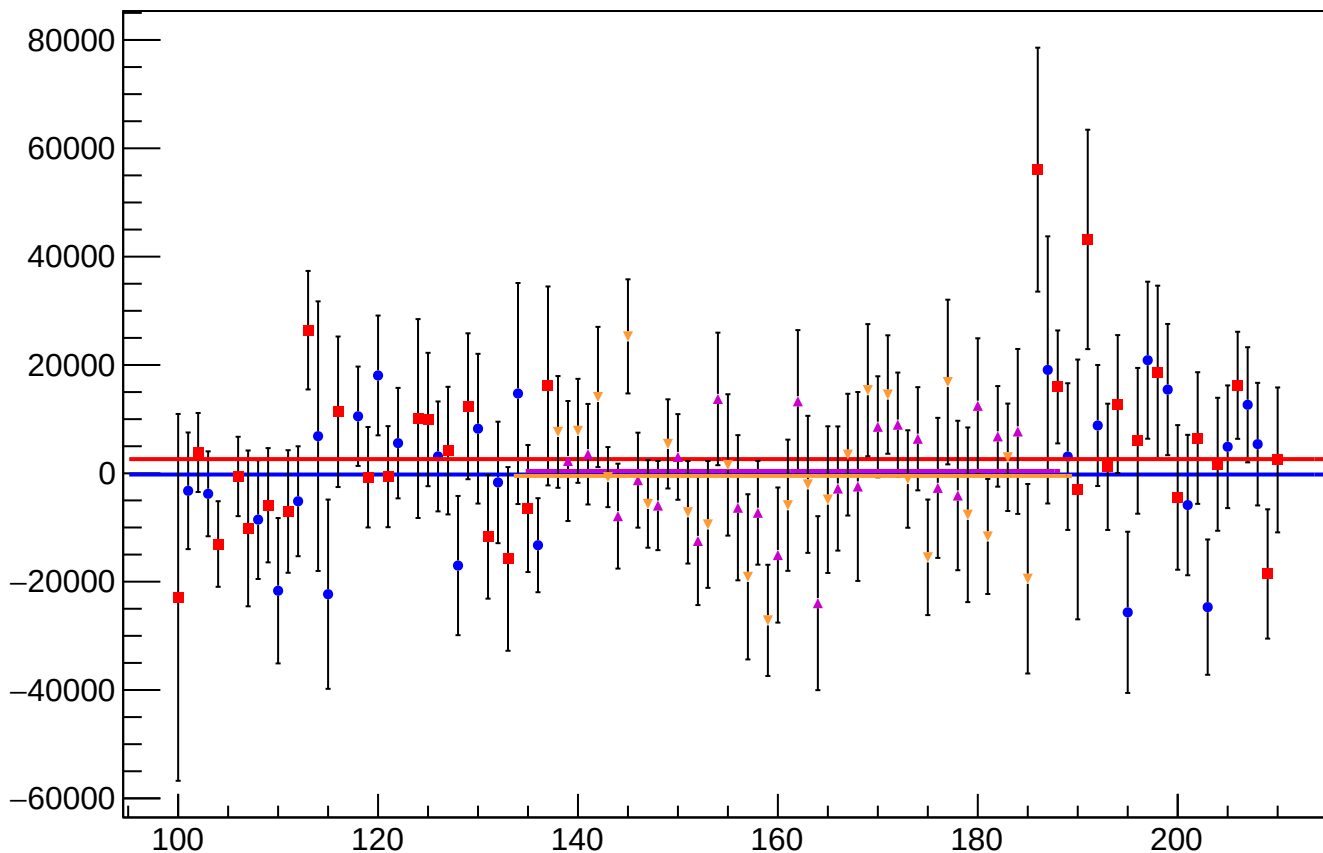
Left In: 1923.038+/-0.318 χ^2/NDF : 150977.3/22

+ sign 1838.408+/-0.221 χ^2/NDF : 894389.8/51

All: 1844.907+/-0.156 χ^2/NDF : 1722749.1/10

- sign 1851.341+/-0.220 χ^2/NDF : 826633.8/55

asym_at2_avg_dit_correction_mean vs Slug



Right In: -220.566 ± 2260.374 χ^2/NDF : 28.8/26

Left Out: -479.338 ± 2089.235 χ^2/NDF : 28.8/24

Right Out: 2624.911 ± 2056.395 χ^2/NDF : 35.7/32

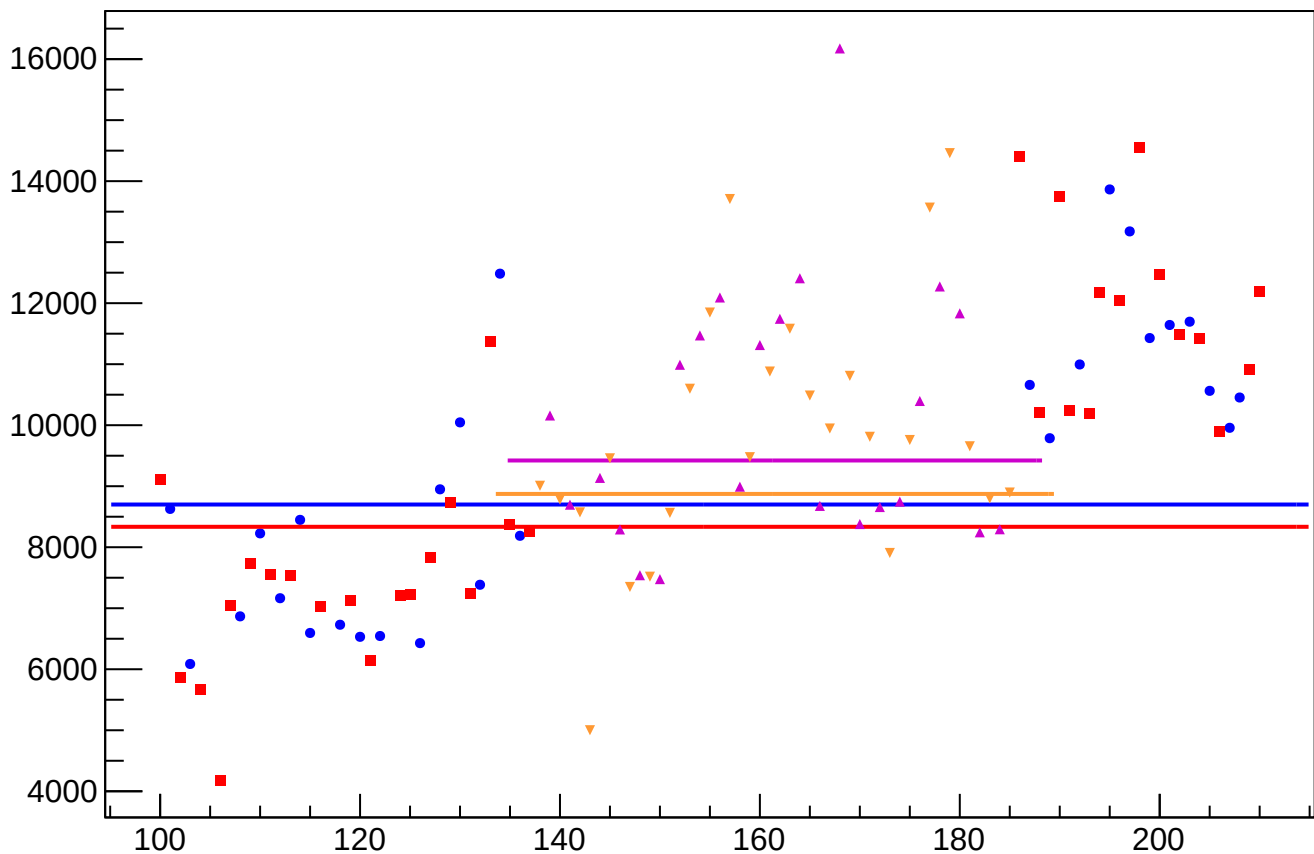
Left In: 436.717 ± 2245.180 χ^2/NDF : 13.6/22

+ sign -360.118 ± 1534.251 χ^2/NDF : 57.6/51

All: 644.867 ± 1078.530 χ^2/NDF : 108.3/107

- sign 1626.664 ± 1516.447 χ^2/NDF : 49.8/55

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8699.986 $\pm$ 1.598 χ^2 /NDF: 1829052.6/26

Left Out: 8873.592 $\pm$ 1.477 χ^2 /NDF: 2203249.6/24

Right Out: 8334.803 $\pm$ 1.454 χ^2 /NDF: 3199381.9/32

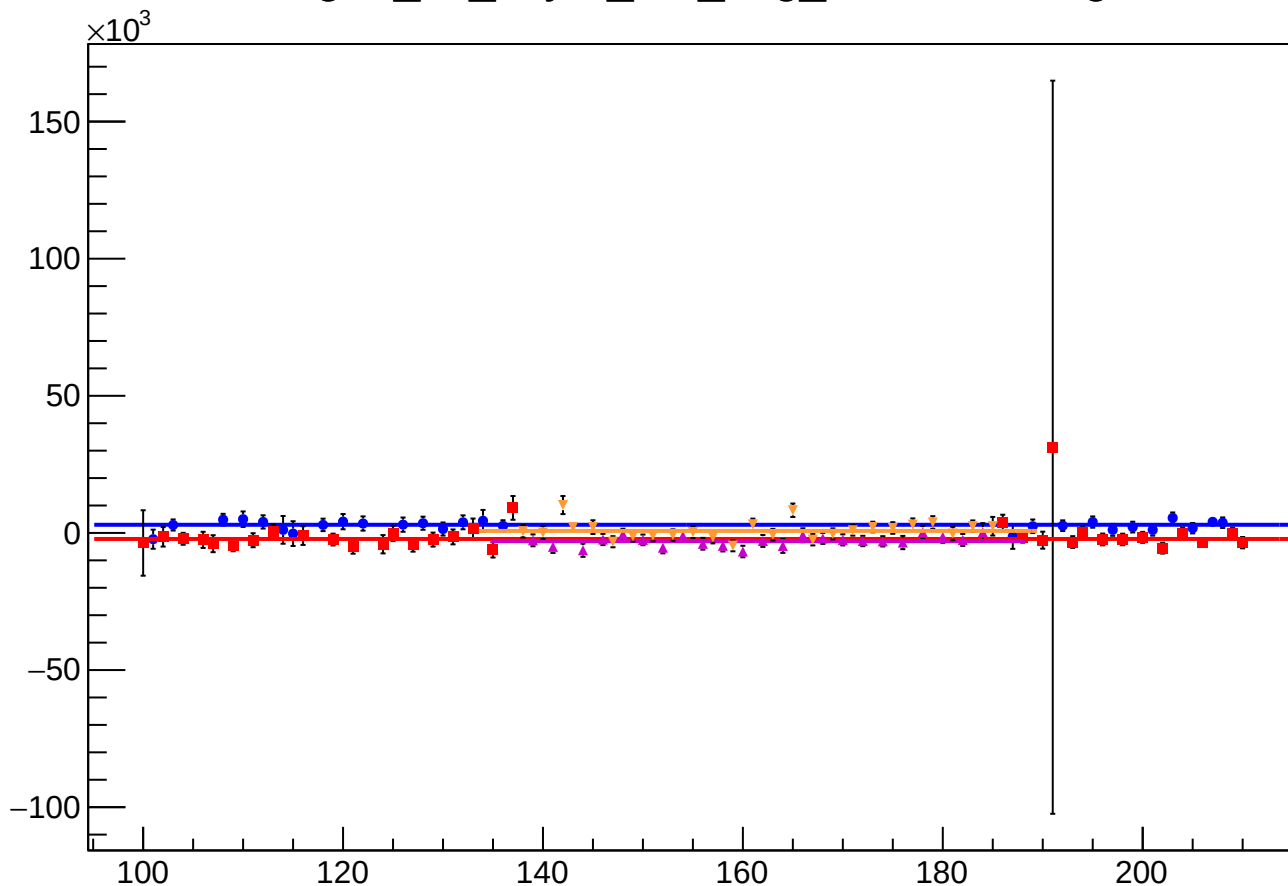
Left In: 9421.708 $\pm$ 1.588 χ^2 /NDF: 1204848.0/22

+ sign 8793.609 $\pm$ 1.085 χ^2 /NDF: 4038664.6/51

All: 8812.343 $\pm$ 0.763 χ^2 /NDF: 8698373.9/10

- sign 8830.645 $\pm$ 1.072 χ^2 /NDF: 4659119.8/55

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2975.399 $\pm$ 450.530 χ^2 /NDF: 10.8/26

Left Out: 739.018 $\pm$ 432.879 χ^2 /NDF: 41.6/24

Right Out: -2200.292 $\pm$ 428.898 χ^2 /NDF: 27.6/32

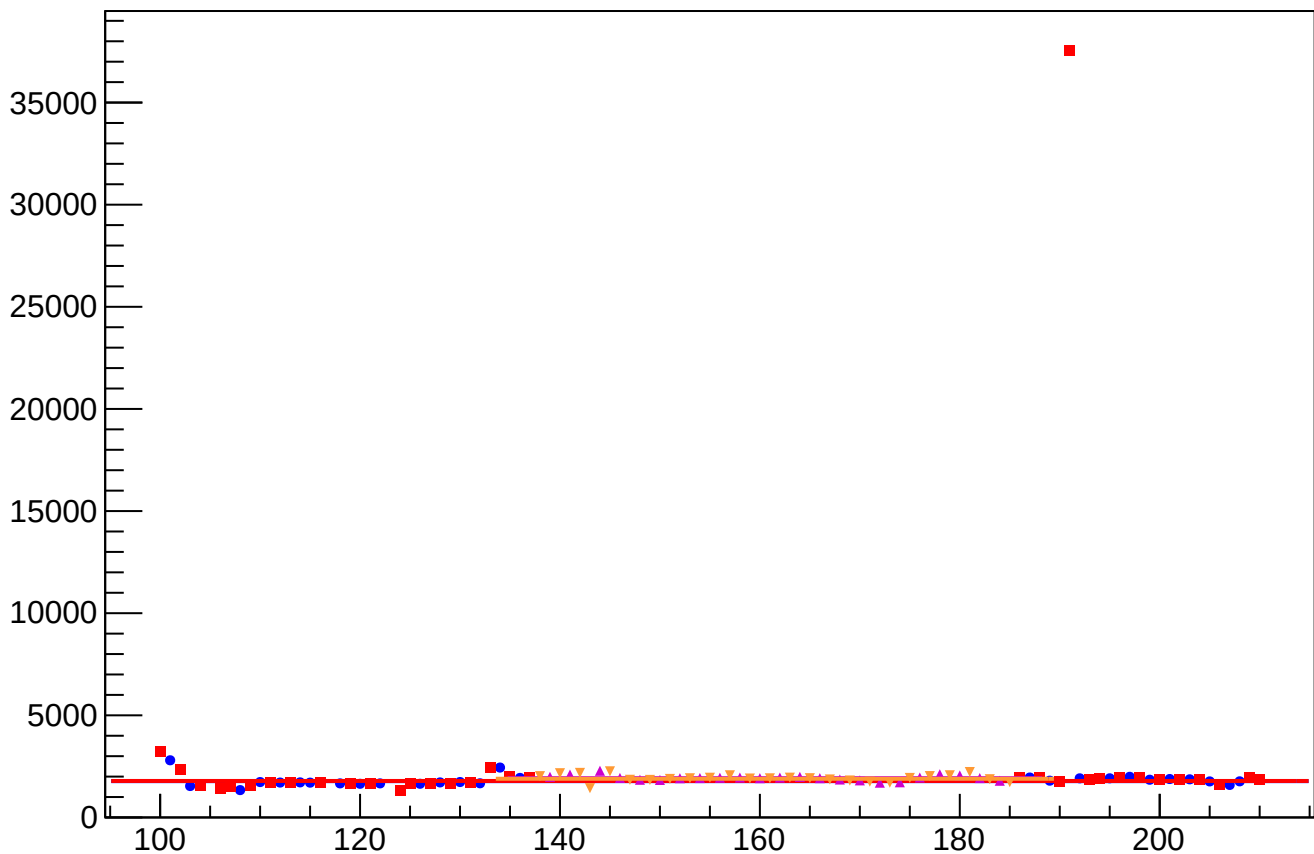
Left In: -2979.226 $\pm$ 450.335 χ^2 /NDF: 15.6/22

+ sign 1812.543 $\pm$ 312.145 χ^2 /NDF: 65.3/51

All: -390.142 $\pm$ 220.164 χ^2 /NDF: 209.1/107

- sign -2570.778 $\pm$ 310.579 χ^2 /NDF: 44.8/55

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1777.448+/-0.319 χ^2/NDF : 455384.7/26

Left Out: 1894.687+/-0.306 χ^2/NDF : 368594.6/24

Right Out: 1786.328+/-0.303 χ^2/NDF : 578993.8/32

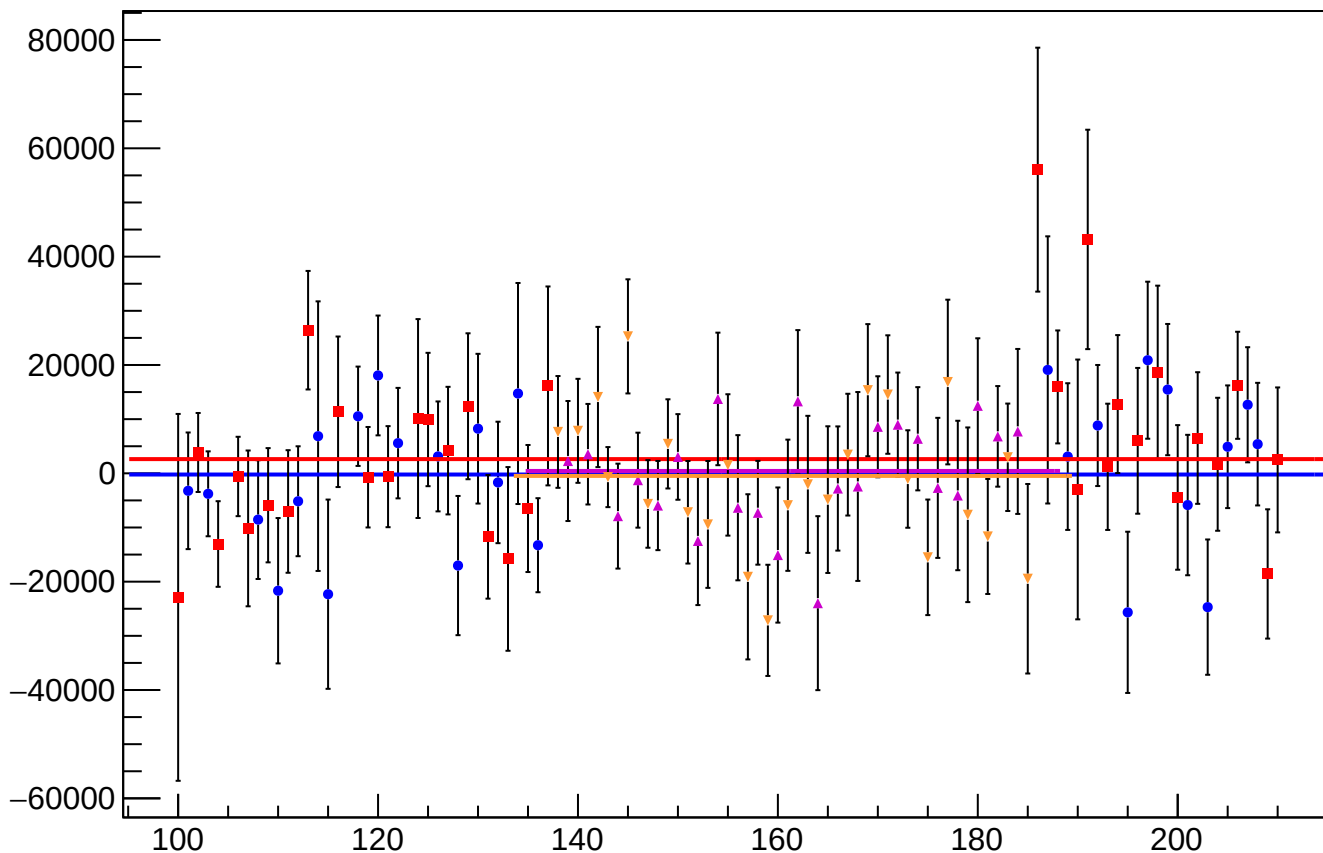
Left In: 1923.042+/-0.318 χ^2/NDF : 150984.8/22

+ sign 1838.409+/-0.221 χ^2/NDF : 894401.5/51

All: 1844.909+/-0.156 χ^2/NDF : 1722774.1/10

- sign 1851.342+/-0.220 χ^2/NDF : 826647.3/55

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -220.558 ± 2260.372 $\chi^2/\text{NDF}: 28.8/26$

Left Out: -479.345 ± 2089.238 $\chi^2/\text{NDF}: 28.8/24$

Right Out: 2624.899 ± 2056.393 $\chi^2/\text{NDF}: 35.7/32$

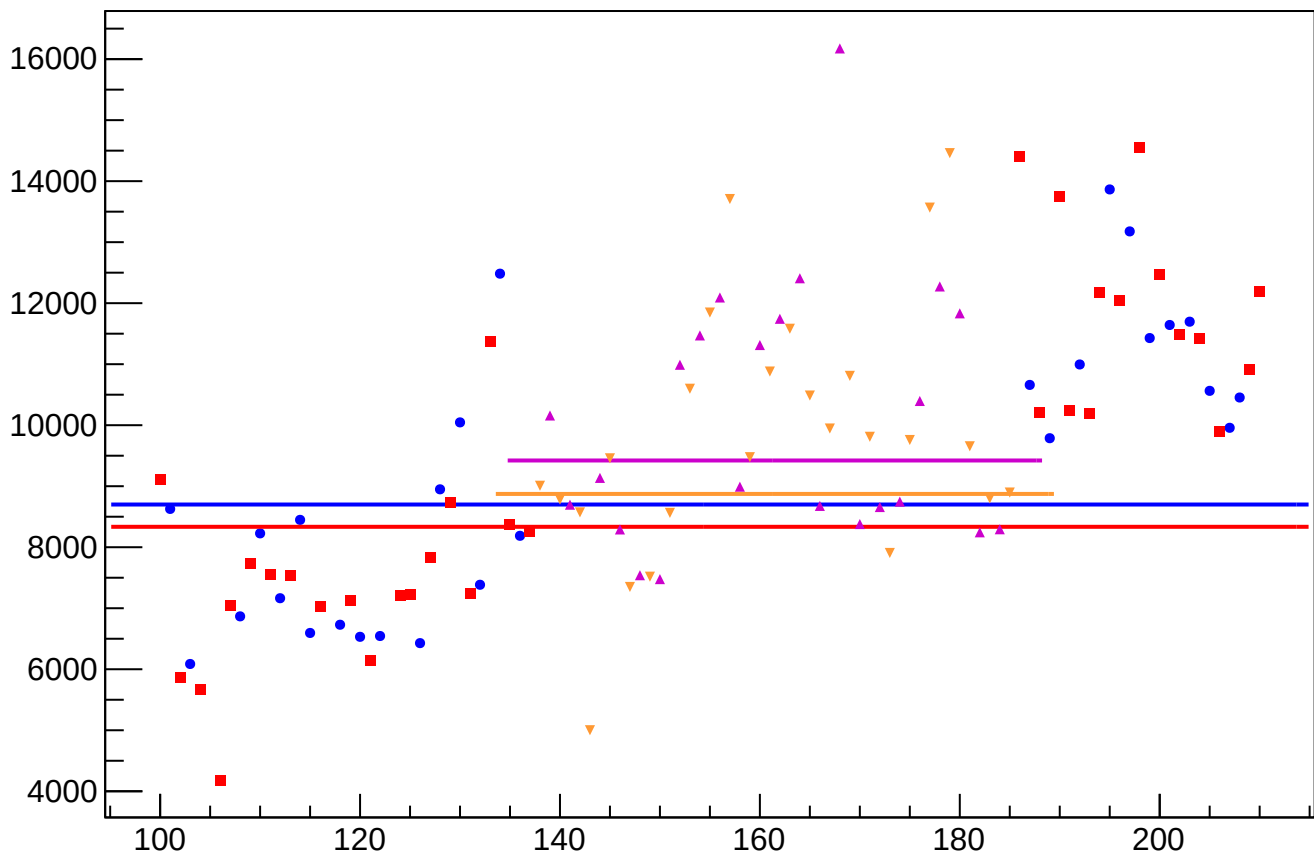
Left In: 436.720 ± 2245.183 $\chi^2/\text{NDF}: 13.6/22$

+ sign -360.118 ± 1534.252 $\chi^2/\text{NDF}: 57.6/51$

All: 644.866 ± 1078.530 $\chi^2/\text{NDF}: 108.3/107$

- sign 1626.661 ± 1516.448 $\chi^2/\text{NDF}: 49.8/55$

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 8699.975+/-1.598 χ^2/NDF : 1829079.3/26

Left Out: 8873.607+/-1.477 χ^2/NDF : 2203251.2/24

Right Out: 8334.792+/-1.454 χ^2/NDF : 3199409.0/32

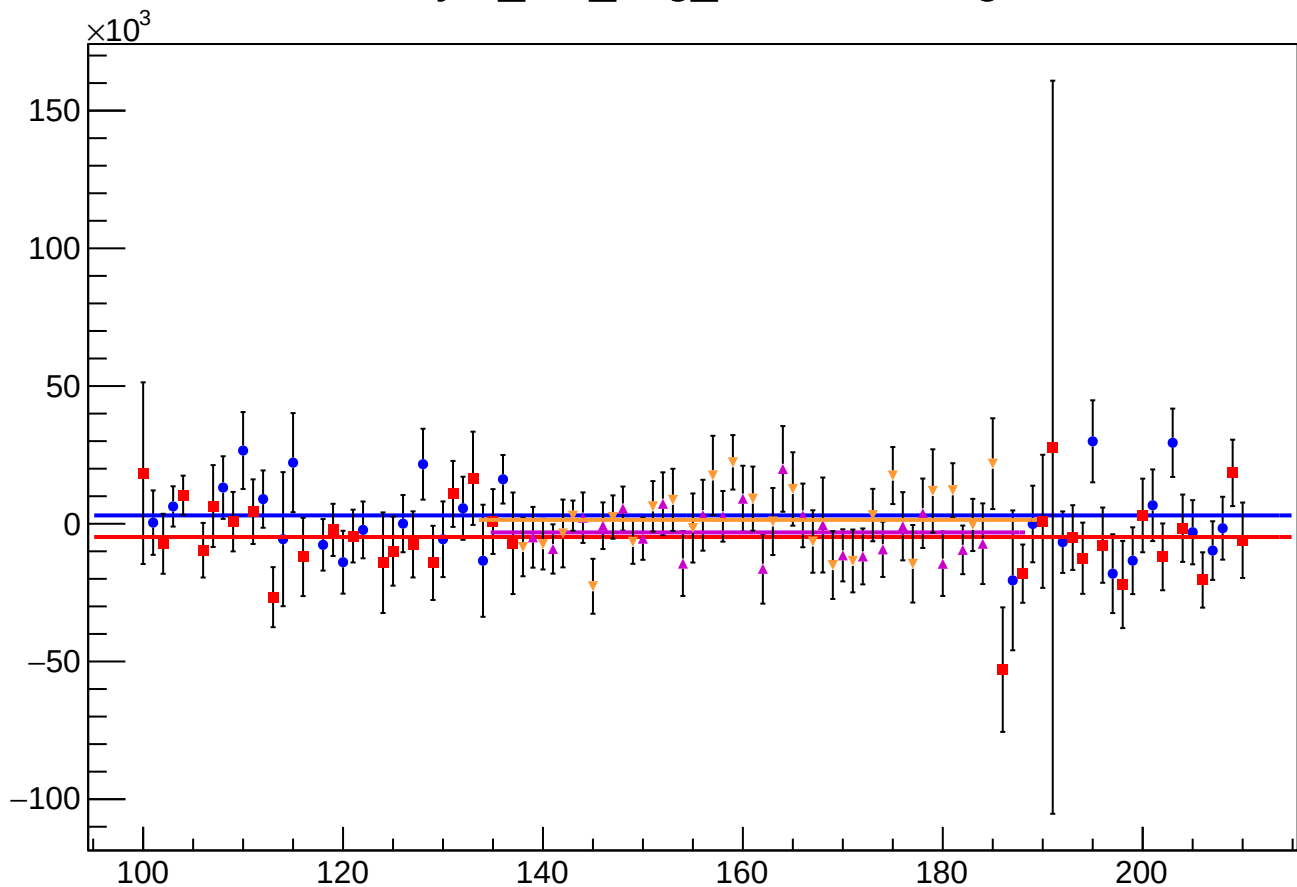
Left In: 9421.722+/-1.588 χ^2/NDF : 1204851.9/22

+ sign 8793.612+/-1.085 χ^2/NDF : 4038694.7/51

All: 8812.344+/-0.763 χ^2/NDF : 8698446.6/10

- sign 8830.644+/-1.072 χ^2/NDF : 4659162.4/55

asym_at2_avg_mean vs Slug



Right In: 3035.911 $\pm$ 2281.072 χ^2 /NDF: 30.2/26

Left Out: 1408.316 $\pm$ 2039.907 χ^2 /NDF: 27.4/24

Right Out: -4809.350 $\pm$ 2161.128 χ^2 /NDF: 30.4/32

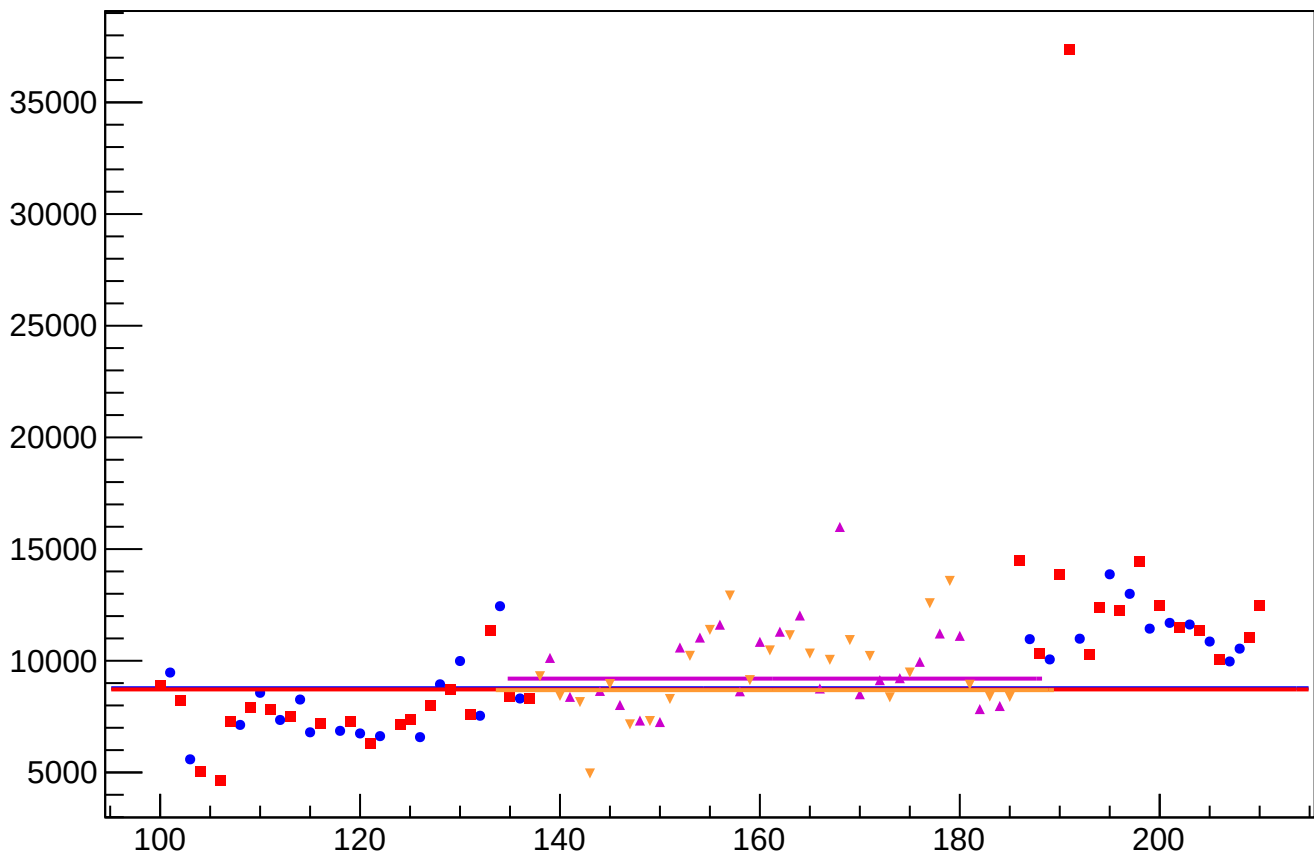
Left In: -3139.264 $\pm$ 2189.465 χ^2 /NDF: 13.0/22

+ sign 2131.555 $\pm$ 1520.572 χ^2 /NDF: 57.9/51

All: -891.824 $\pm$ 1081.340 χ^2 /NDF: 109.6/107

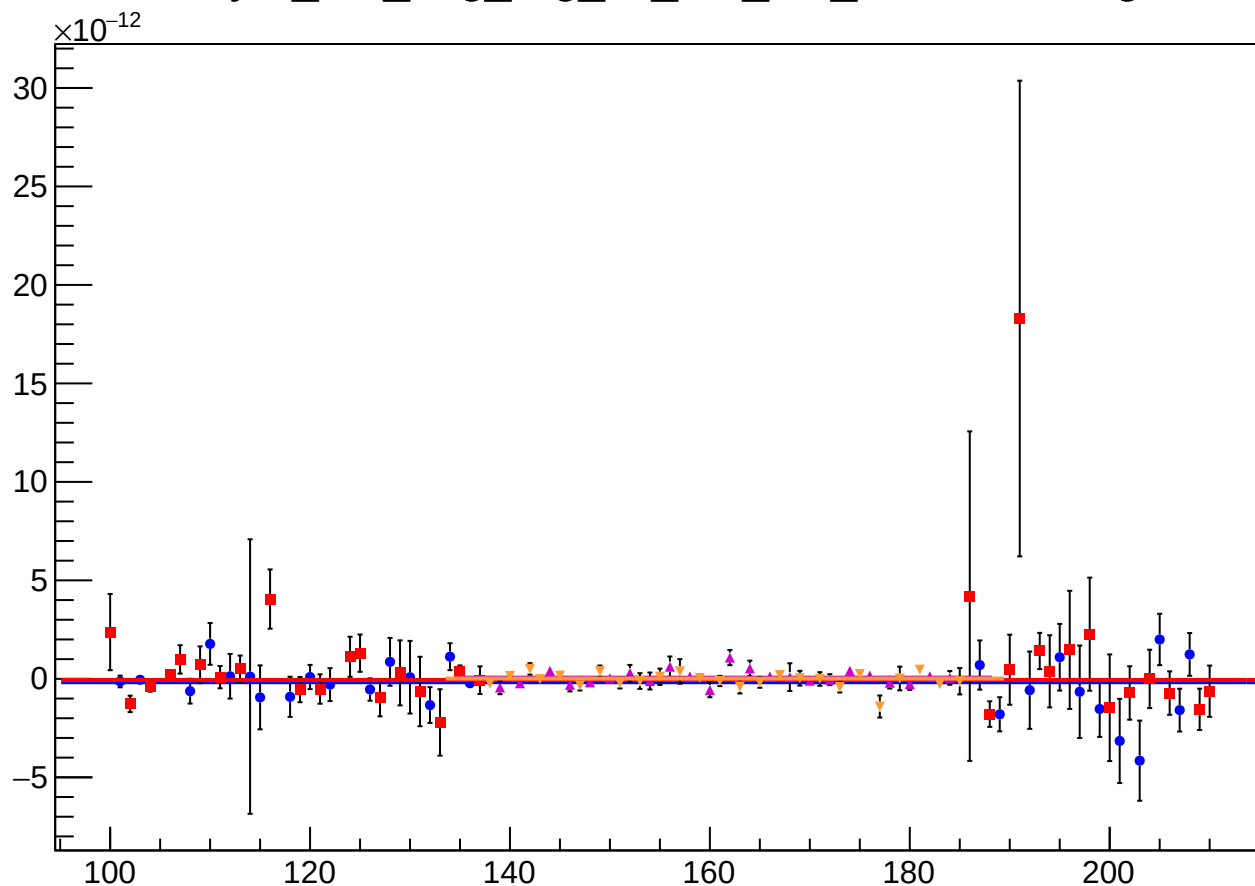
- sign -3985.184 $\pm$ 1538.069 χ^2 /NDF: 43.7/55

asym_at2_avg_rms vs Slug



Right In: 8771.031+/-1.613	χ^2/NDF : 1884533.8/26	+ sign 8722.978+/-1.075	χ^2/NDF : 3937753.4/51
Left Out: 8684.549+/-1.442	χ^2/NDF : 2051622.3/24	All: 8837.986+/-0.765	χ^2/NDF : 7958903.4/10
Right Out: 8716.835+/-1.528	χ^2/NDF : 2819083.8/32	- sign 8955.651+/-1.088	χ^2/NDF : 3998003.1/55
Left In: 9200.796+/-1.548	χ^2/NDF : 1129421.3/22		

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.2/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 49.4/32

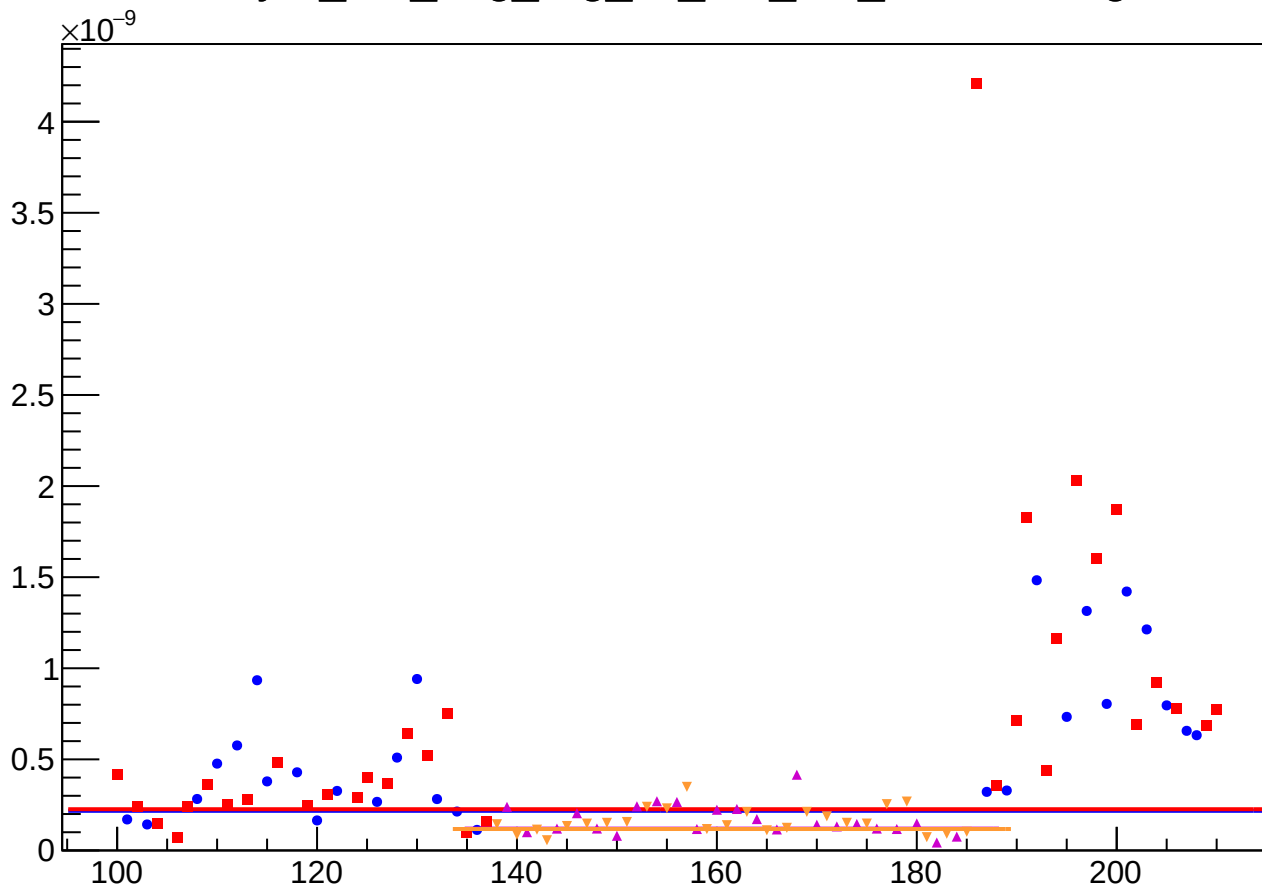
Left In: 0.000 ± 0.000 χ^2/NDF : 27.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 60.2/51

All: 0.000 ± 0.000 χ^2/NDF : 139.0/107

- sign 0.000 ± 0.000 χ^2/NDF : 78.0/55

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5722162.2/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7191013.3/32

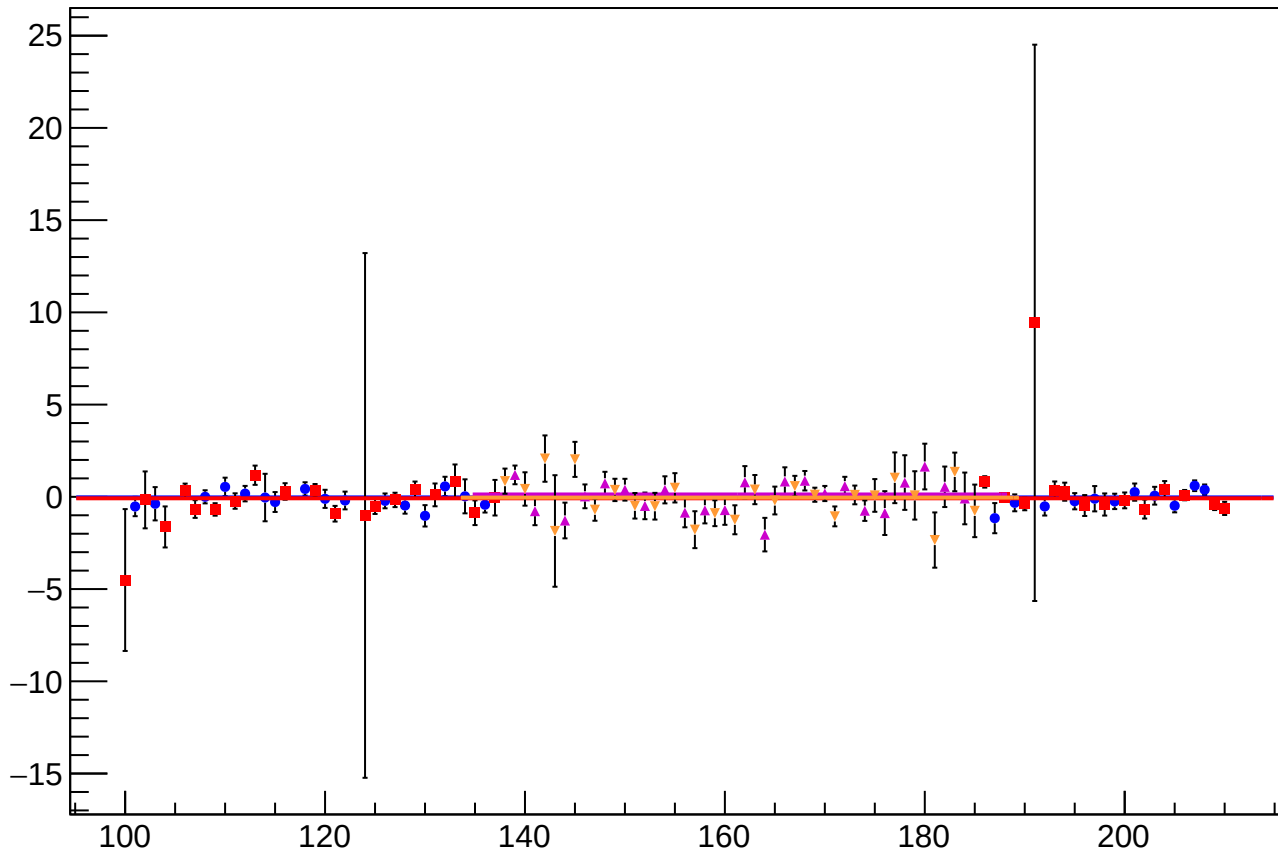
Left In: 0.000+/-0.000 χ^2/NDF : 2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 9335637.3/51

All: 0.000+/-0.000 χ^2/NDF : 20593263.1/107

- sign 0.000+/-0.000 χ^2/NDF : 11247821.9/55

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.031 ± 0.087 χ^2/NDF : 23.6/26

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.080 ± 0.074 χ^2/NDF : 43.3/32

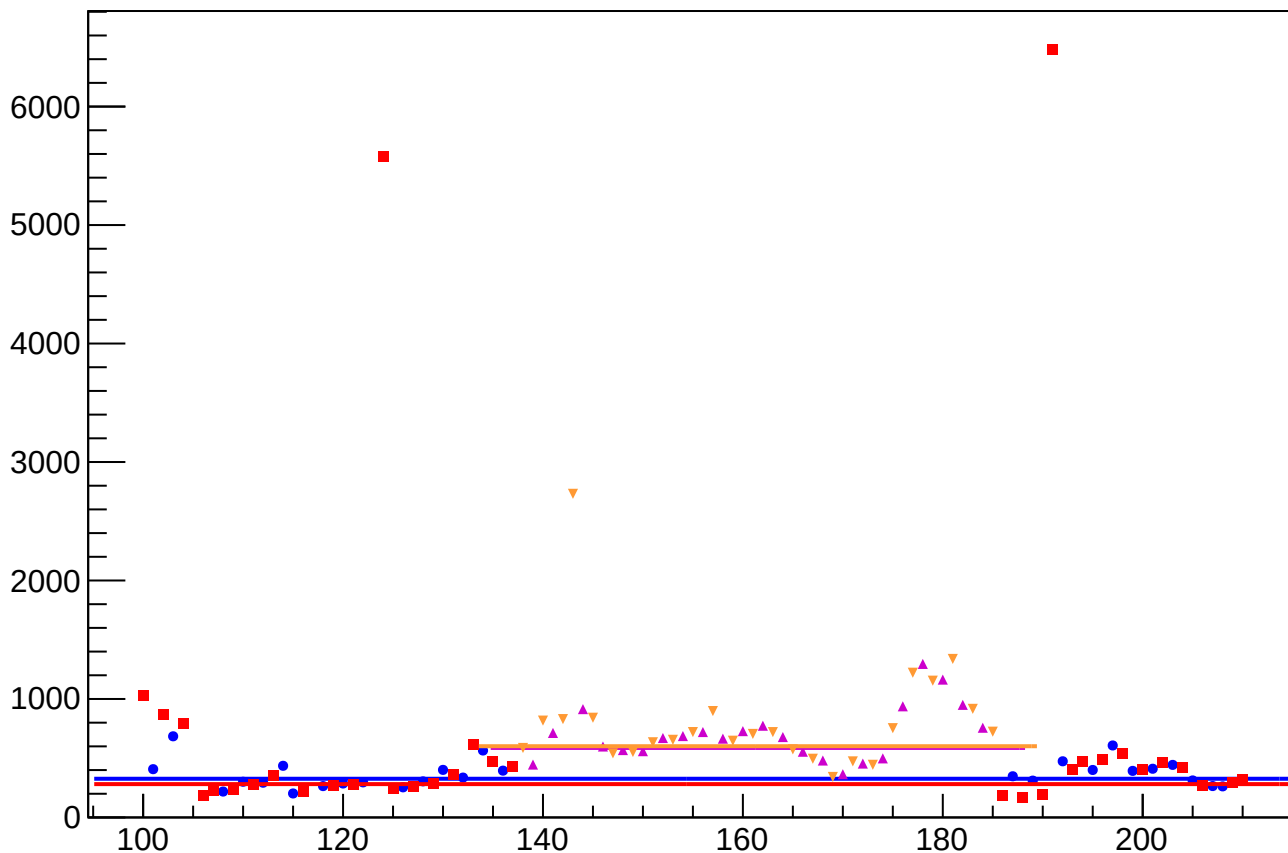
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.034 ± 0.075 χ^2/NDF : 53.8/51

All: -0.035 ± 0.050 χ^2/NDF : 127.7/107

- sign -0.036 ± 0.066 χ^2/NDF : 73.9/55

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 326.650 $\pm$ 0.062 χ^2 /NDF: 2059519.6/26

Left Out: 601.214 $\pm$ 0.104 χ^2 /NDF: 4460456.7/24

Right Out: 281.405 $\pm$ 0.053 χ^2 /NDF: 5013437.7/32

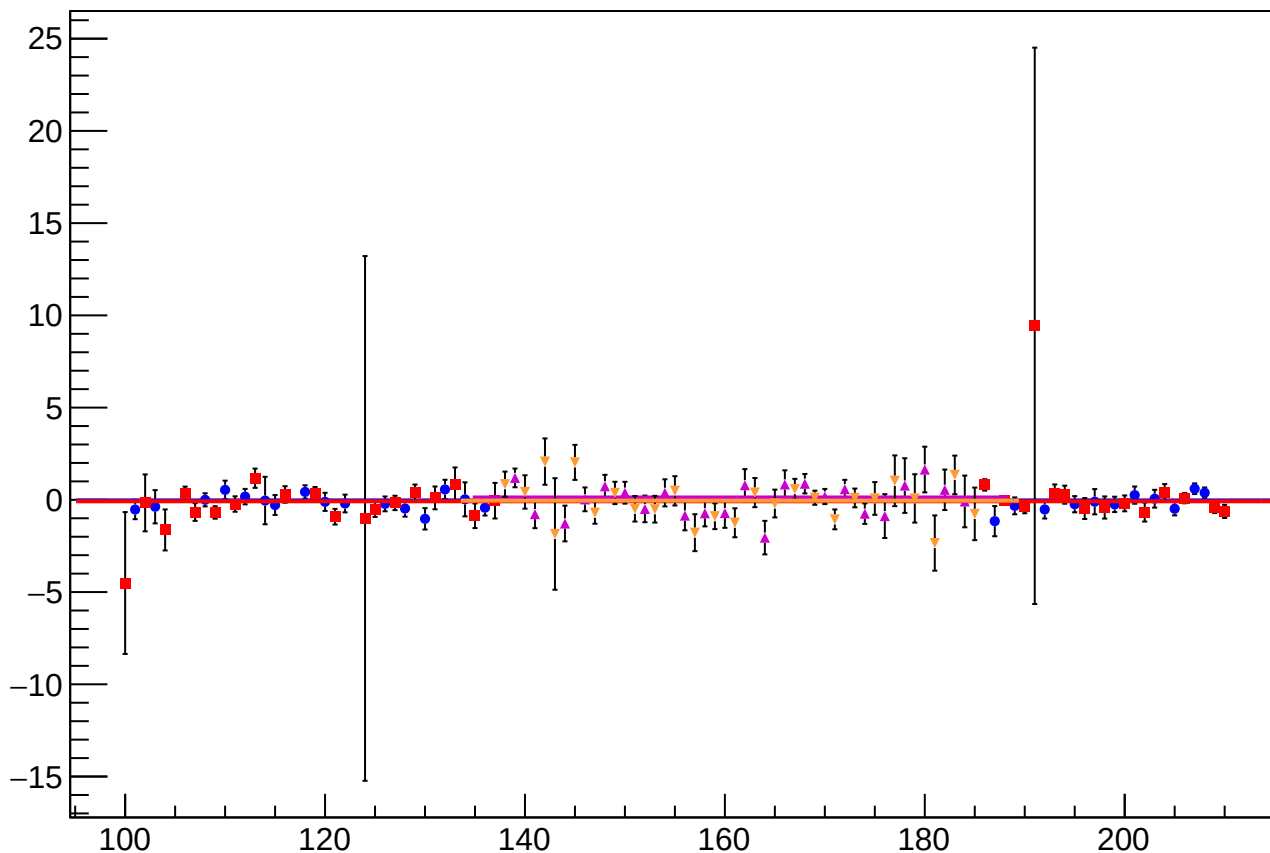
Left In: 586.817 $\pm$ 0.103 χ^2 /NDF: 2934488.2/22

+ sign 397.698 $\pm$ 0.053 χ^2 /NDF: 11655570.3/51

All: 367.959 $\pm$ 0.035 χ^2 /NDF: 27172759.6/10

- sign 344.835 $\pm$ 0.047 χ^2 /NDF: 14958827.0/55

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.031 ± 0.087 χ^2/NDF : 23.6/26

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.080 ± 0.074 χ^2/NDF : 43.3/32

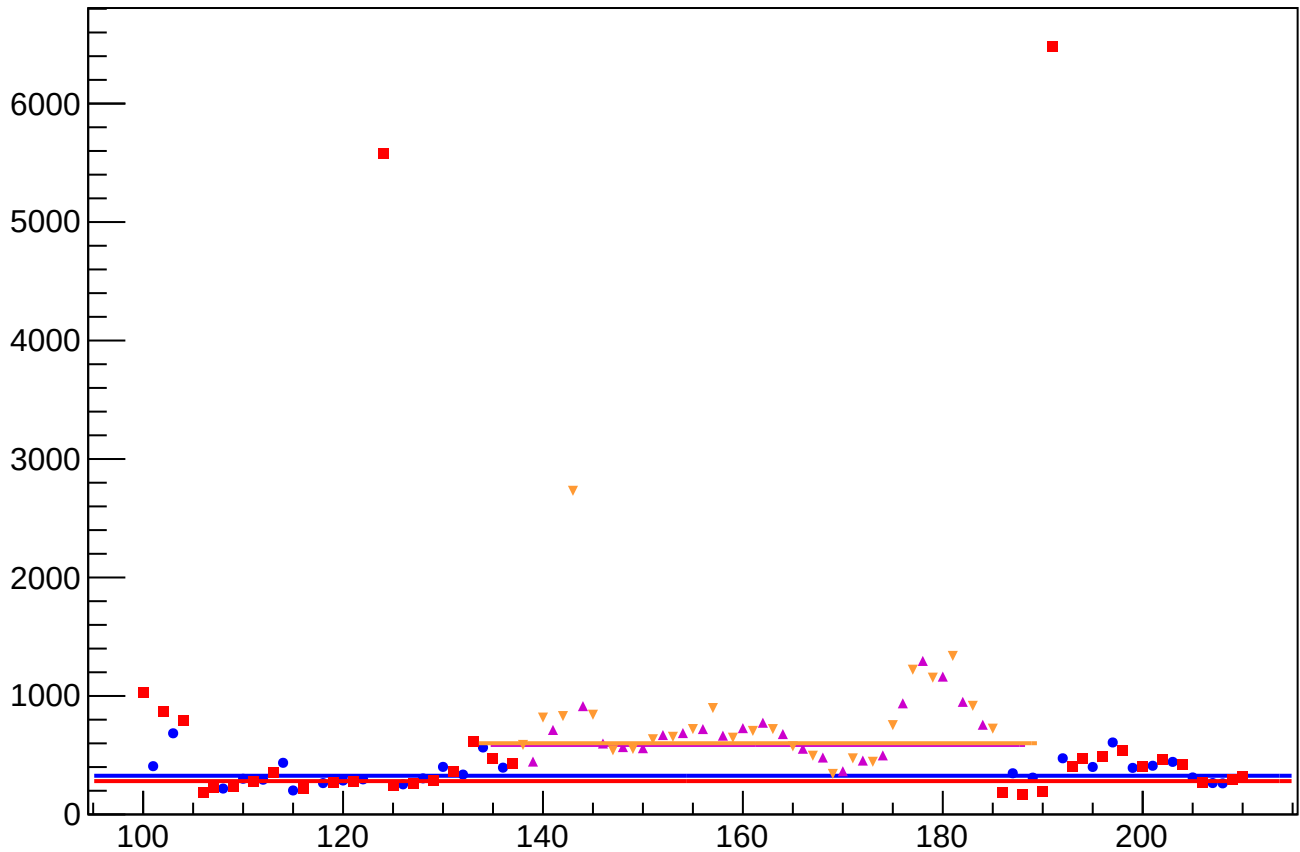
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.034 ± 0.075 χ^2/NDF : 53.8/51

All: -0.035 ± 0.050 χ^2/NDF : 127.7/107

- sign -0.036 ± 0.066 χ^2/NDF : 73.9/55

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 326.650 ± 0.062 χ^2/NDF : 2059519.6/26

Left Out: 601.214 ± 0.104 χ^2/NDF : 4460456.7/24

Right Out: 281.405 ± 0.053 χ^2/NDF : 5013437.7/32

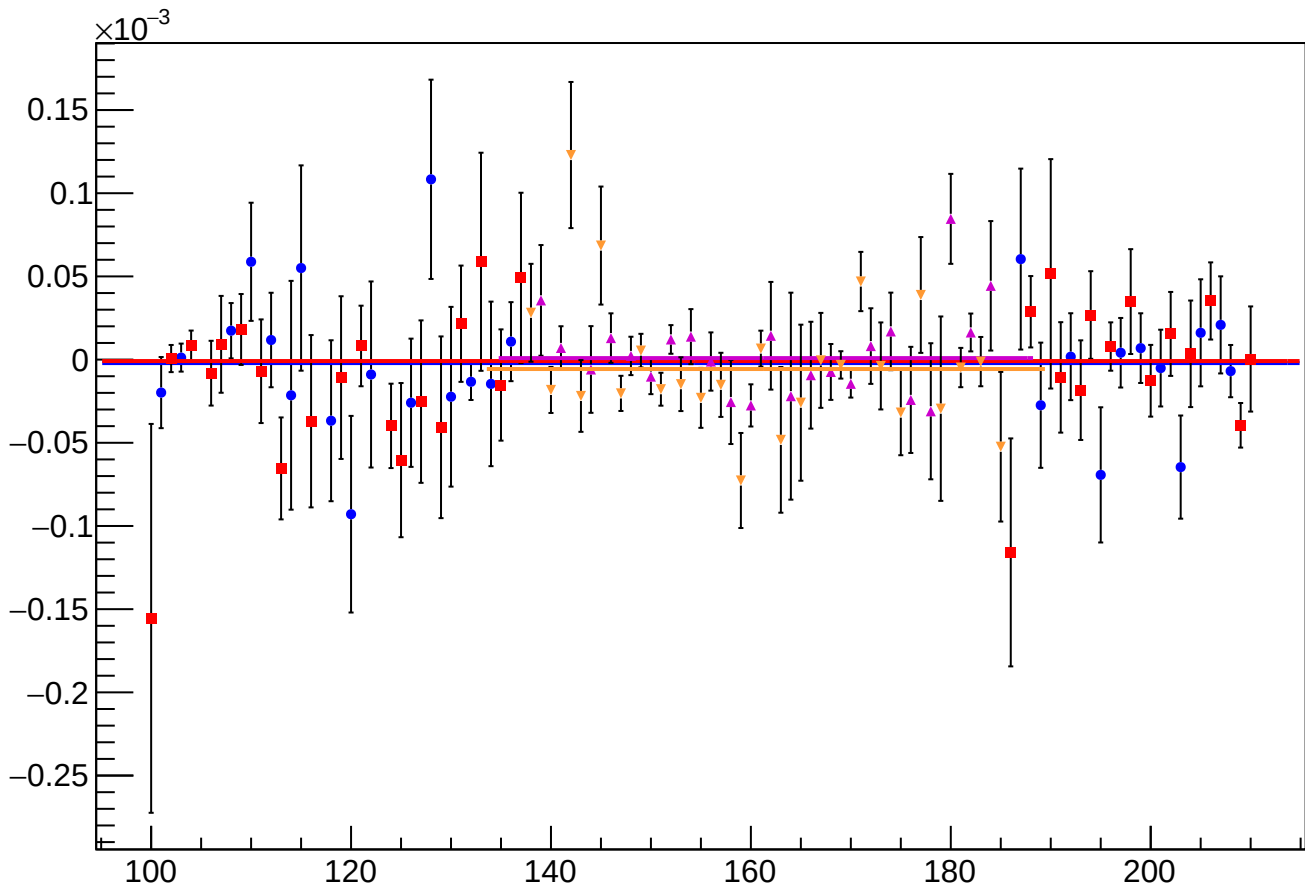
Left In: 586.817 ± 0.103 χ^2/NDF : 2934488.2/22

+ sign 397.698 ± 0.053 χ^2/NDF : 11655570.3/51

All: 367.959 ± 0.035 χ^2/NDF : 27172759.6/10

- sign 344.835 ± 0.047 χ^2/NDF : 14958827.0/55

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.5/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 42.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 36.1/32

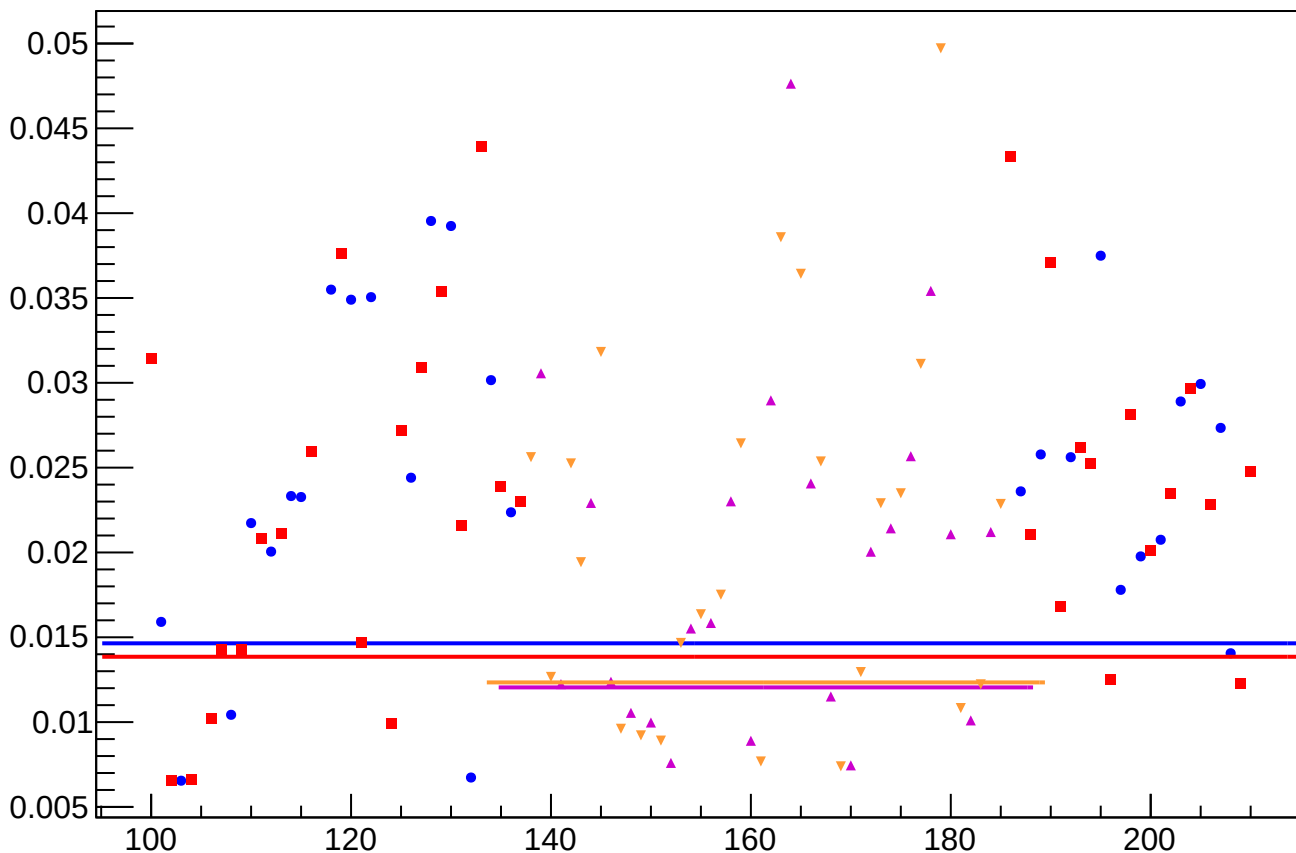
Left In: 0.000 ± 0.000 χ^2/NDF : 30.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 67.5/51

All: -0.000 ± 0.000 χ^2/NDF : 135.5/107

- sign 0.000 ± 0.000 χ^2/NDF : 66.4/55

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 8203909.0/26

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 7839123.8/24

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 8774150.0/32

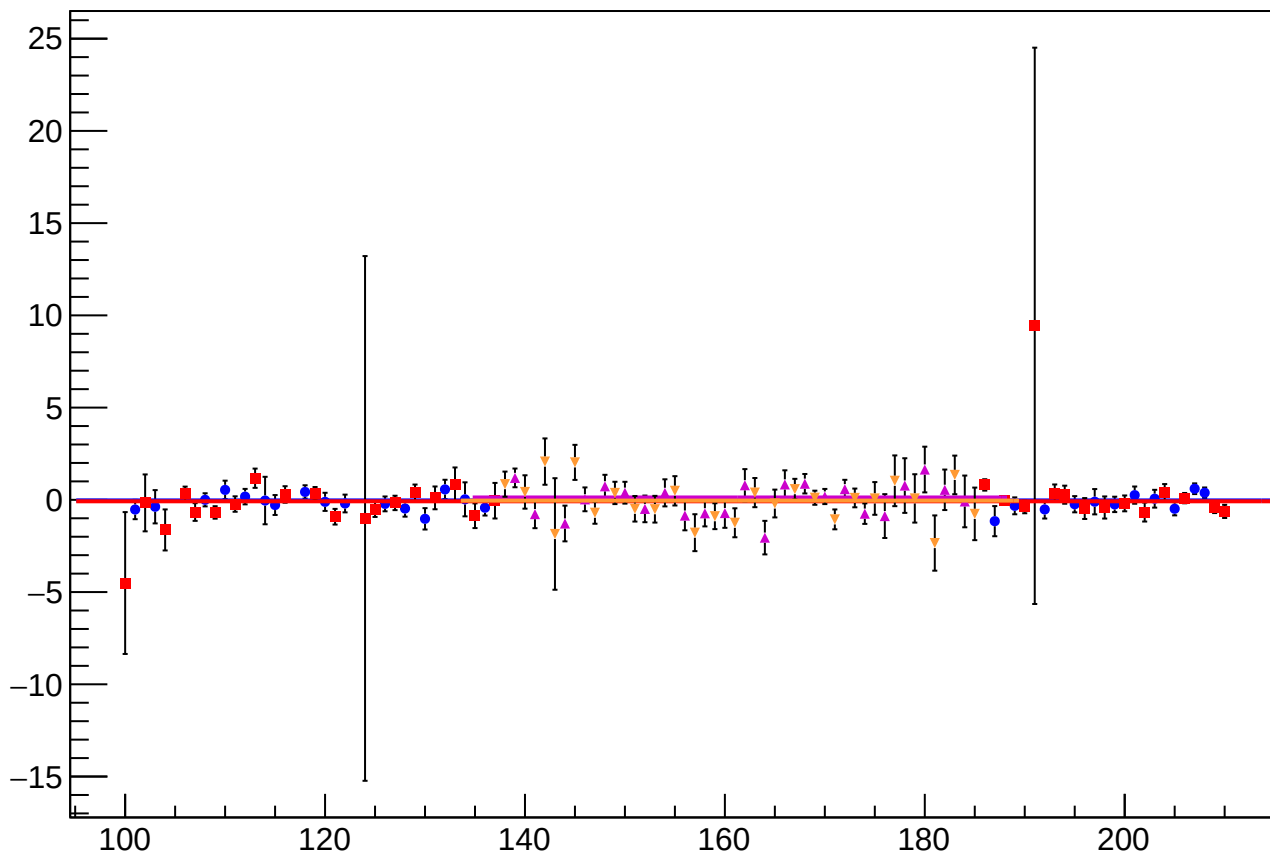
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 6379401.9/22

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 16400008.0/51

All: 0.013 $\pm$ 0.000 χ^2/NDF : 31827860.7/107

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 15408908.2/55

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.031 ± 0.087 χ^2/NDF : 23.6/26

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.080 ± 0.074 χ^2/NDF : 43.3/32

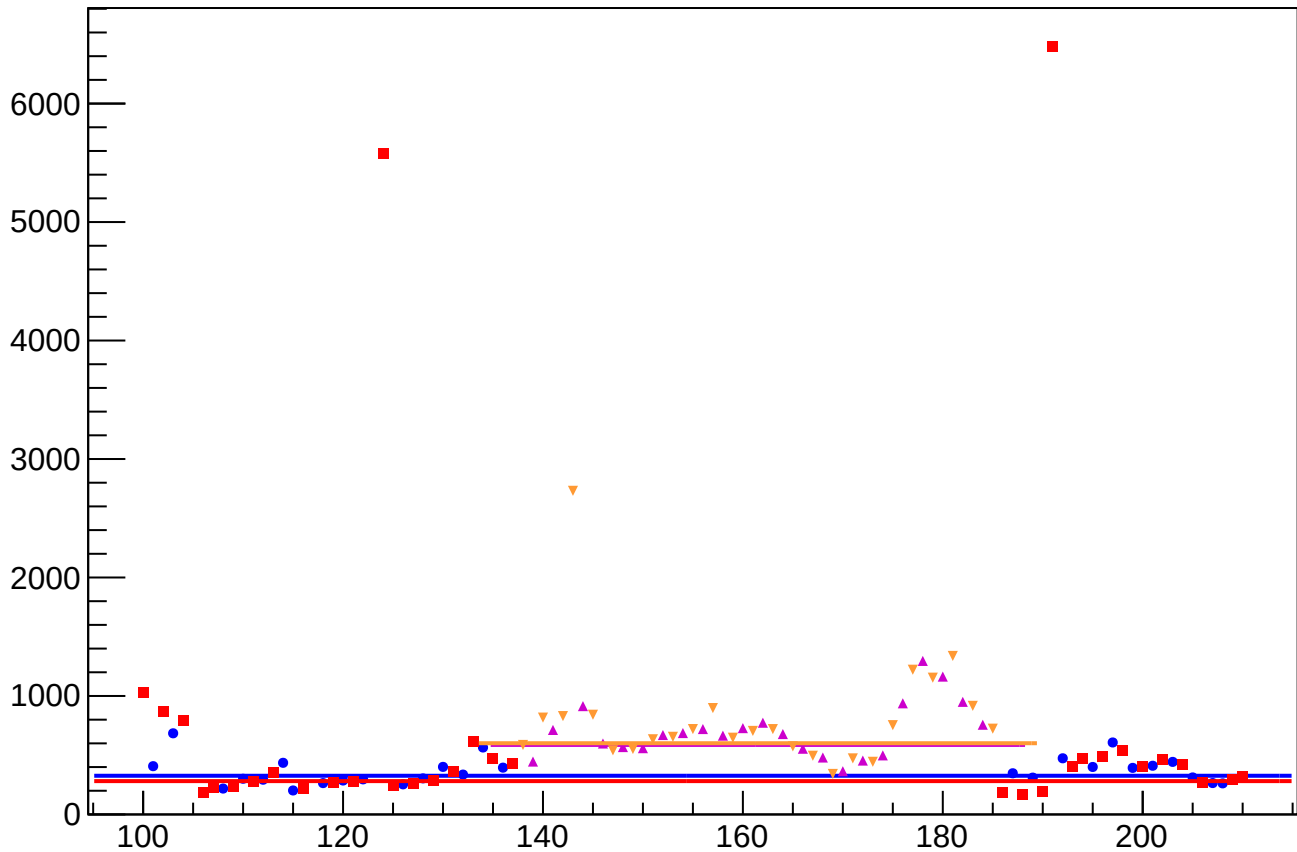
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.034 ± 0.075 χ^2/NDF : 53.8/51

All: -0.035 ± 0.050 χ^2/NDF : 127.7/107

- sign -0.036 ± 0.066 χ^2/NDF : 73.9/55

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 326.649 ± 0.062 χ^2/NDF : 2059498.0/26

Left Out: 601.214 ± 0.104 χ^2/NDF : 4460662.1/24

Right Out: 281.399 ± 0.053 χ^2/NDF : 5013756.8/32

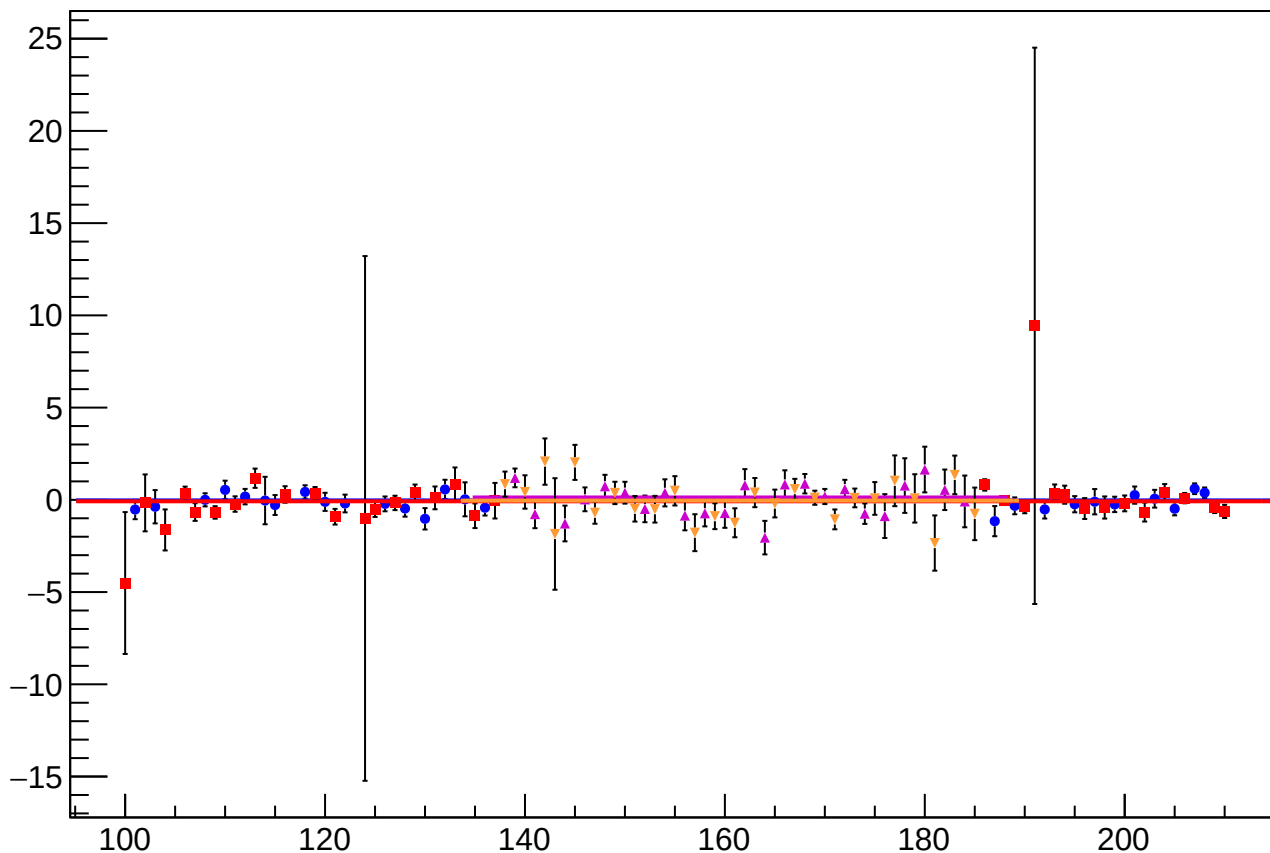
Left In: 586.820 ± 0.103 χ^2/NDF : 2934613.3/22

+ sign 397.697 ± 0.053 χ^2/NDF : 11655761.7/51

All: 367.955 ± 0.035 χ^2/NDF : 27173906.2/10

- sign 344.829 ± 0.047 χ^2/NDF : 14959655.4/55

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.031 ± 0.087 χ^2/NDF : 23.6/26

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.080 ± 0.074 χ^2/NDF : 43.3/32

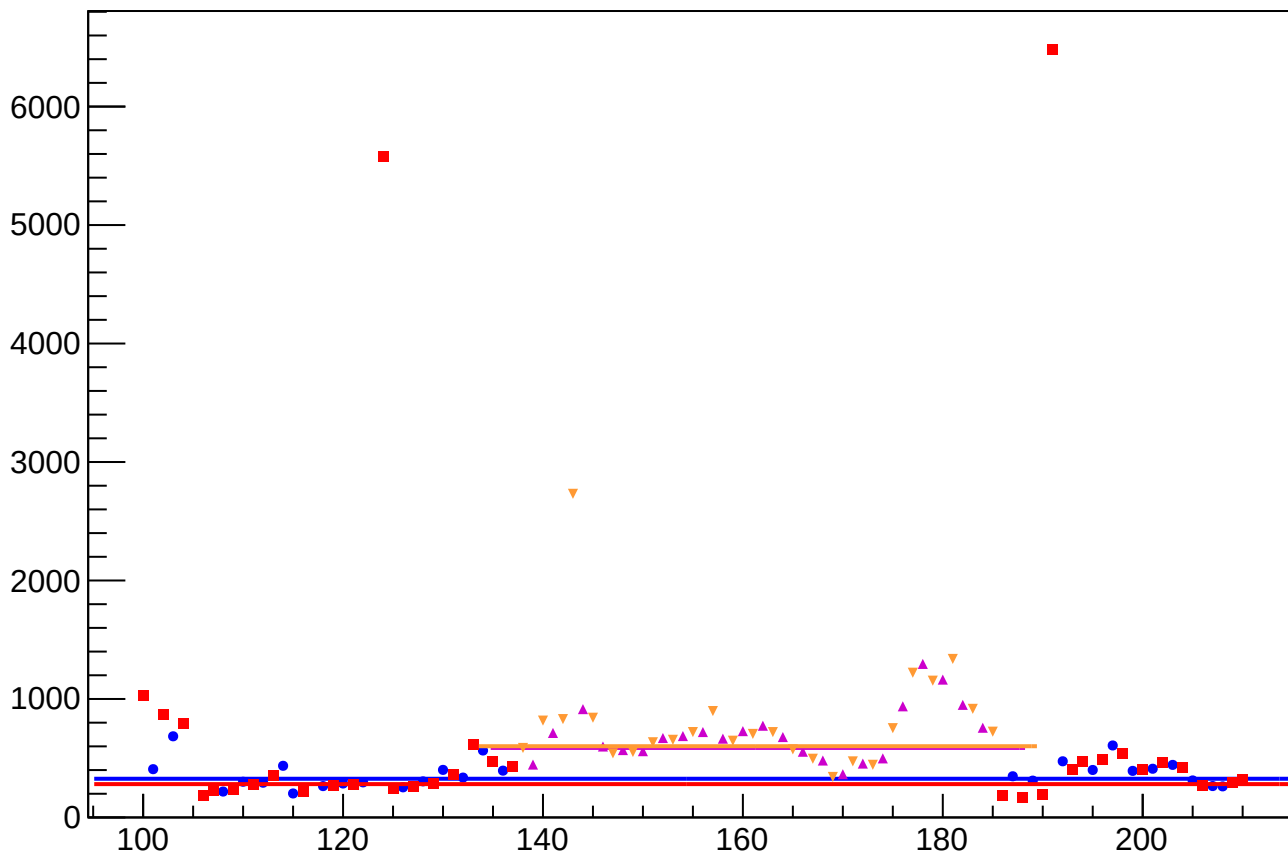
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.034 ± 0.075 χ^2/NDF : 53.8/51

All: -0.035 ± 0.050 χ^2/NDF : 127.7/107

- sign -0.036 ± 0.066 χ^2/NDF : 73.9/55

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 326.649 ± 0.062 χ^2/NDF : 2059498.0/26

Left Out: 601.214 ± 0.104 χ^2/NDF : 4460662.1/24

Right Out: 281.399 ± 0.053 χ^2/NDF : 5013756.8/32

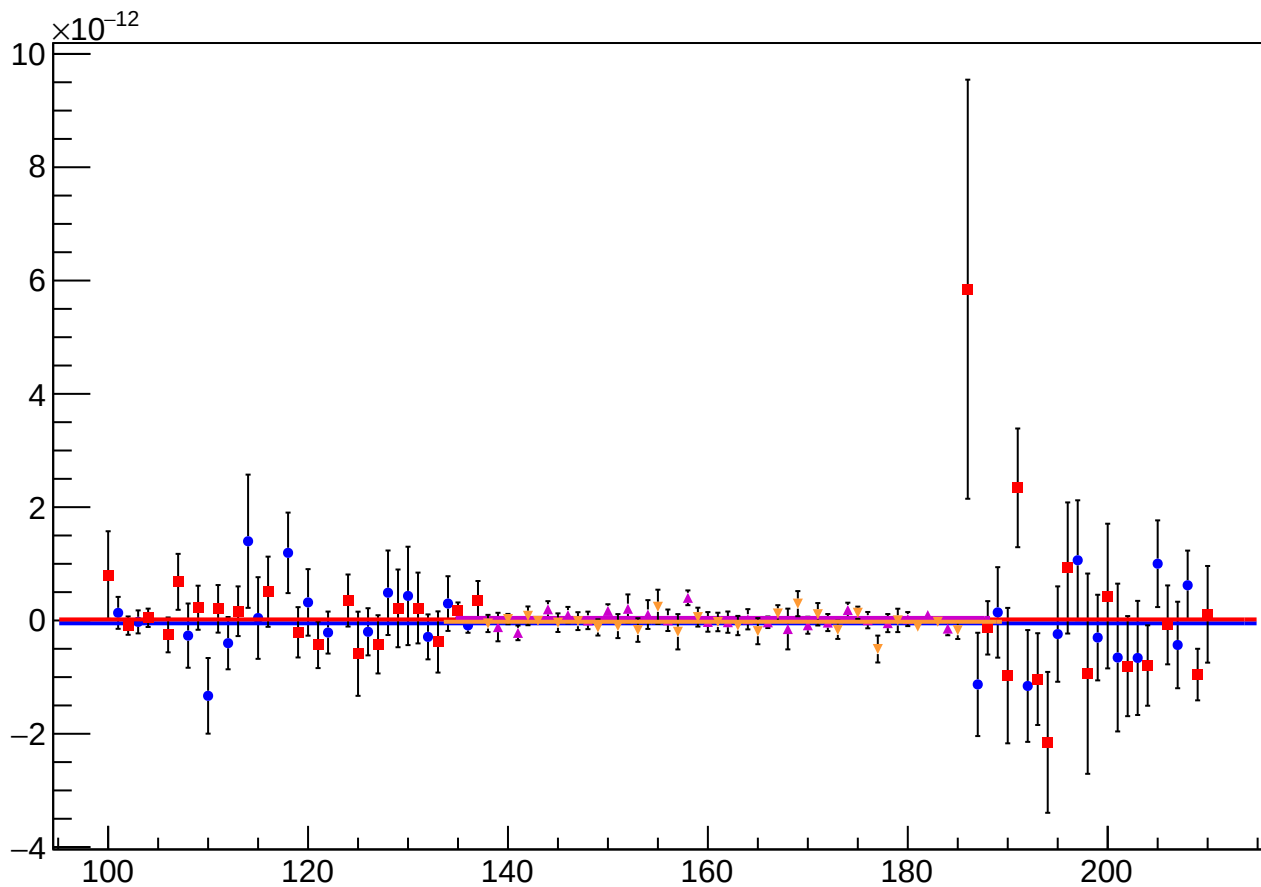
Left In: 586.820 ± 0.103 χ^2/NDF : 2934613.3/22

+ sign 397.697 ± 0.053 χ^2/NDF : 11655761.7/51

All: 367.955 ± 0.035 χ^2/NDF : 27173906.2/10

- sign 344.829 ± 0.047 χ^2/NDF : 14959655.4/55

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.9/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 16.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.5/32

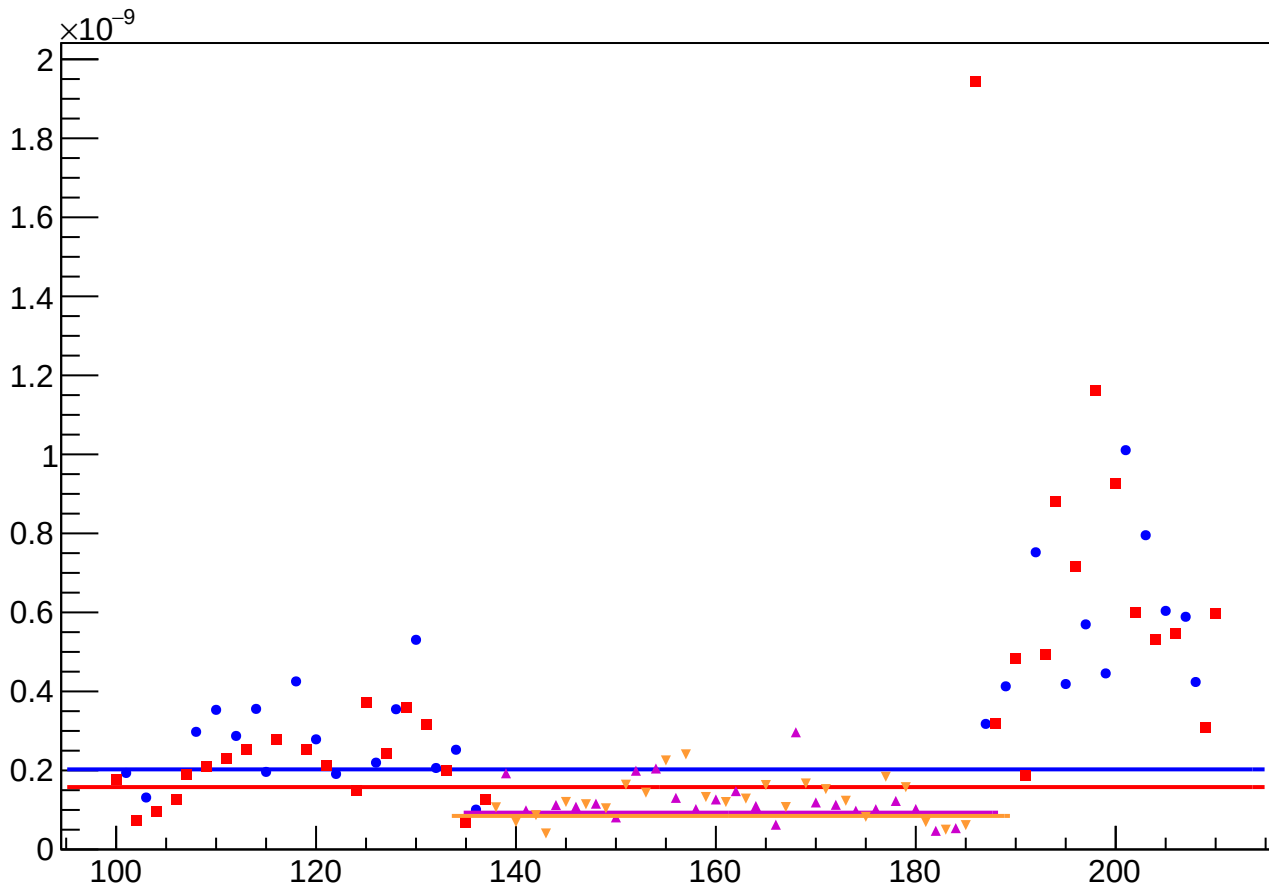
Left In: 0.000 ± 0.000 χ^2/NDF : 22.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 36.3/51

All: 0.000 ± 0.000 χ^2/NDF : 94.4/107

- sign 0.000 ± 0.000 χ^2/NDF : 54.6/55

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6506020.0/26

Left Out: 0.000+/-0.000 χ^2/NDF : 5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8784189.5/32

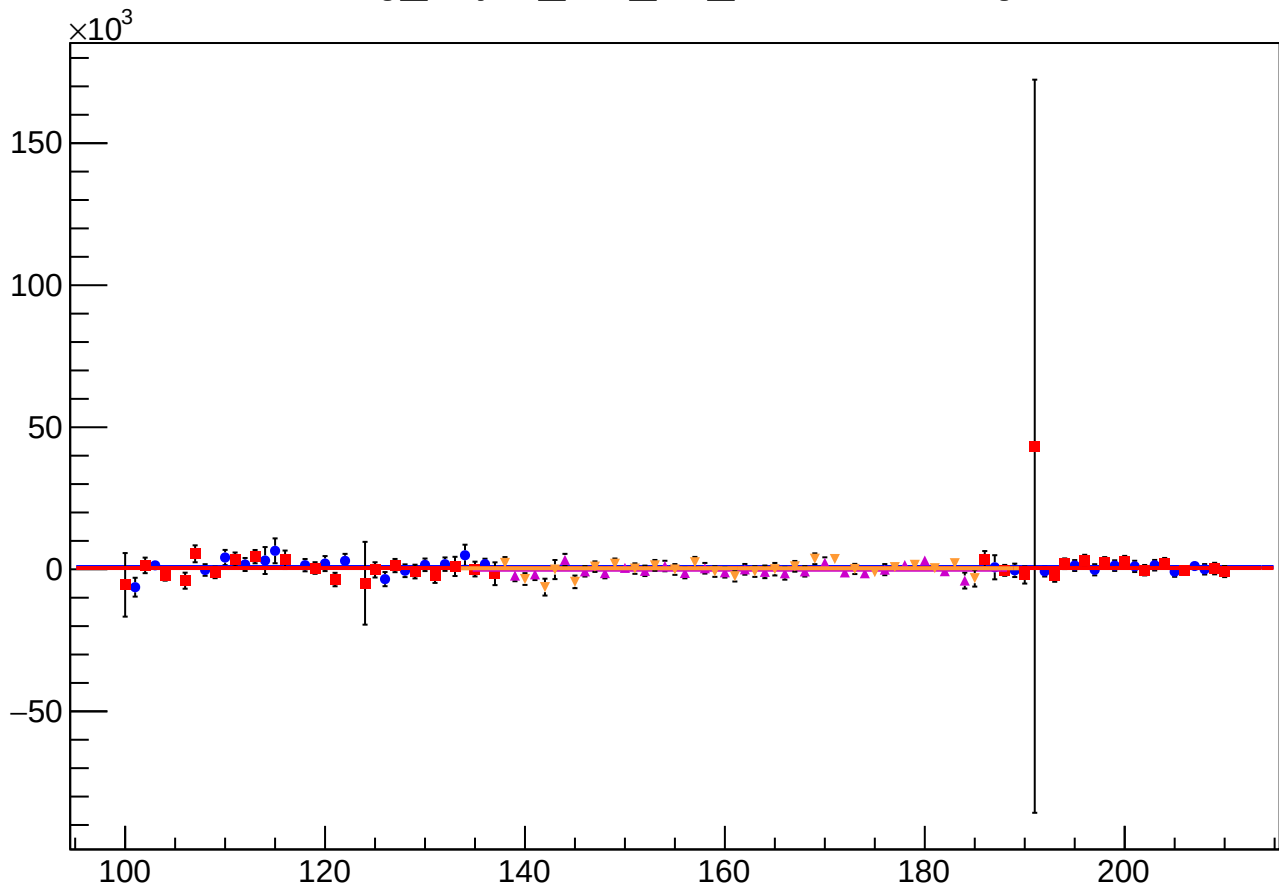
Left In: 0.000+/-0.000 χ^2/NDF : 3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 15791629.0/51

All: 0.000+/-0.000 χ^2/NDF : 30117161.0/107

- sign 0.000+/-0.000 χ^2/NDF : 14251340.1/55

reg_asym_at2_dd_mean vs Slug



Right In: 796.791 $\pm$ 423.533 χ^2 /NDF: 17.3/26

Left Out: 361.645 $\pm$ 388.131 χ^2 /NDF: 29.6/24

Right Out: 445.497 $\pm$ 405.264 χ^2 /NDF: 29.3/32

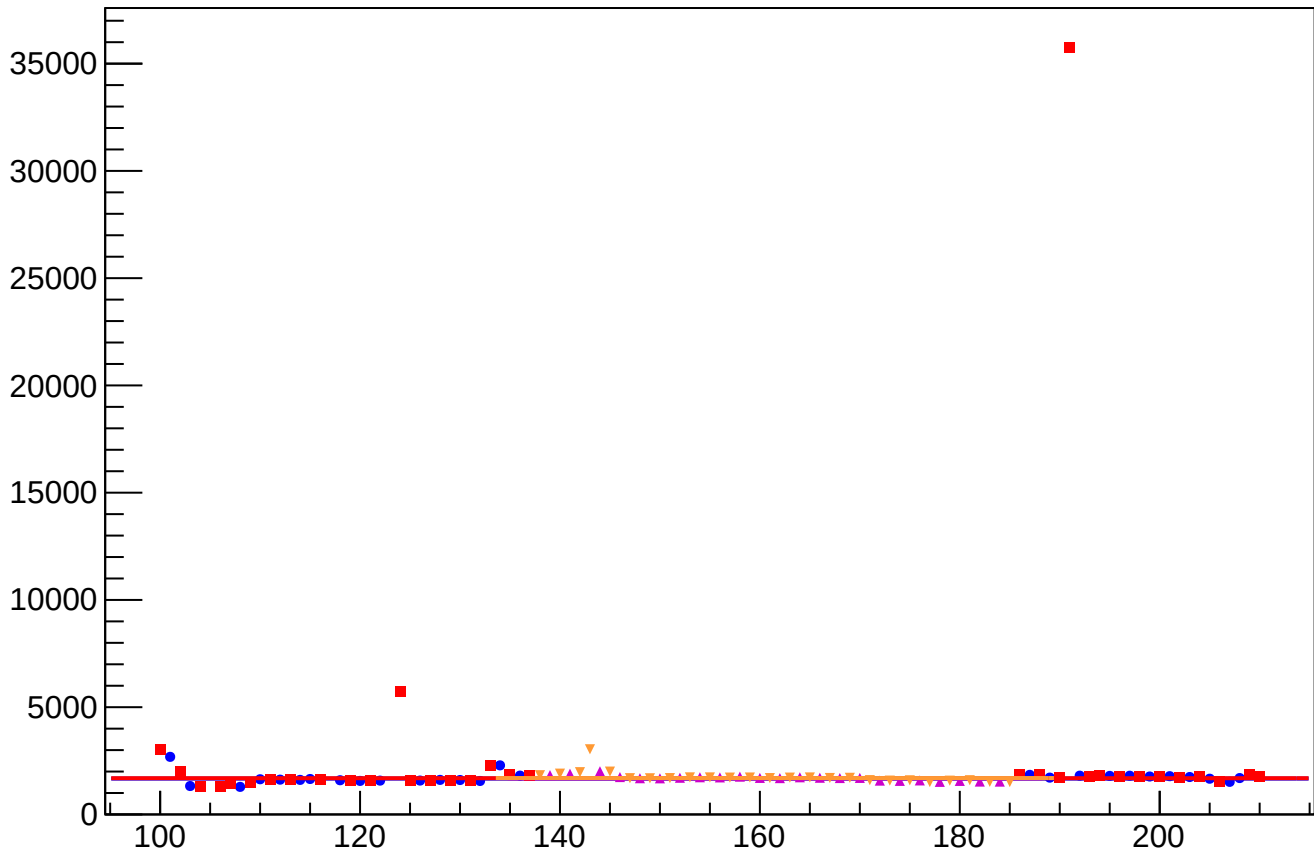
Left In: -157.028 $\pm$ 394.257 χ^2 /NDF: 16.0/22

+ sign 560.274 $\pm$ 286.149 χ^2 /NDF: 47.5/51

All: 345.455 $\pm$ 201.069 χ^2 /NDF: 95.1/107

- sign 135.941 $\pm$ 282.593 χ^2 /NDF: 46.5/55

reg_asym_at2_dd_rms vs Slug



Right In: 1670.973+/-0.299 χ^2/NDF : 488631.5/26

Left Out: 1697.496+/-0.274 χ^2/NDF : 495397.9/24

Right Out: 1689.632+/-0.287 χ^2/NDF : 714323.1/32

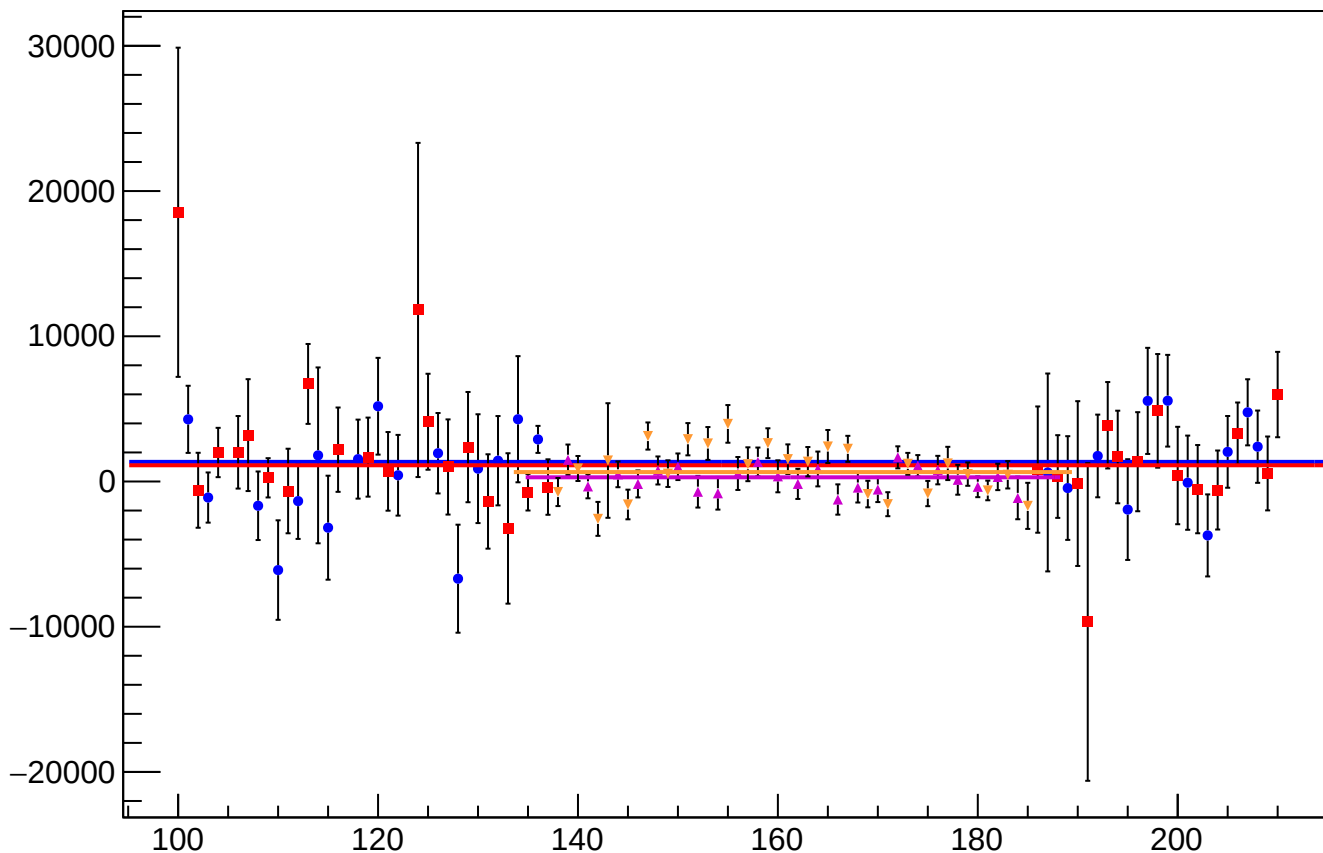
Left In: 1684.577+/-0.279 χ^2/NDF : 165355.7/22

+ sign 1685.389+/-0.202 χ^2/NDF : 988292.4/51

All: 1686.222+/-0.142 χ^2/NDF : 1868164.6/10

- sign 1687.035+/-0.200 χ^2/NDF : 879838.7/55

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1351.905 $\pm$ 487.778 χ^2 /NDF: 32.3/26

Left Out: 649.165 $\pm$ 195.671 χ^2 /NDF: 65.5/24

Right Out: 1116.761 $\pm$ 465.315 χ^2 /NDF: 22.0/32

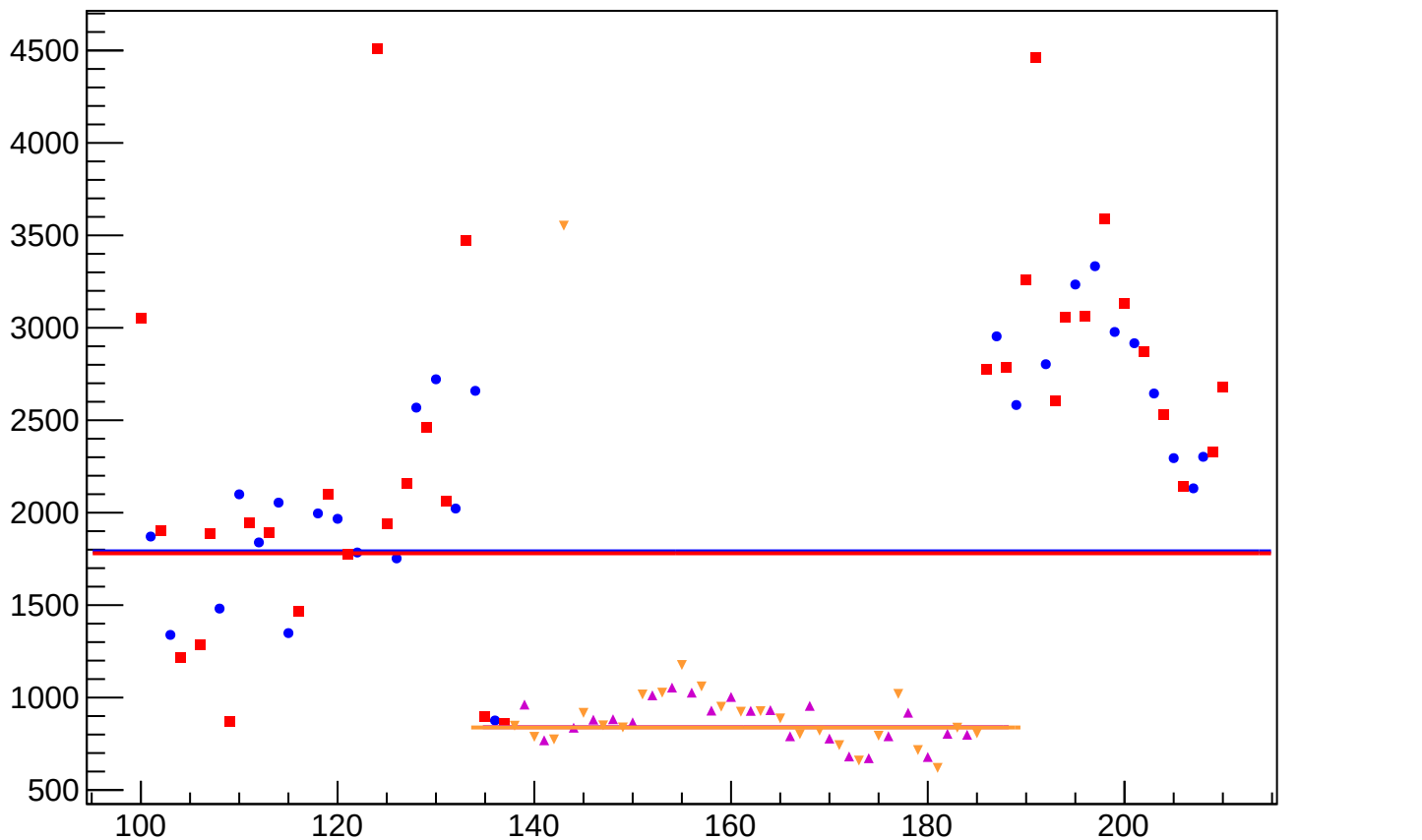
Left In: 288.616 $\pm$ 198.494 χ^2 /NDF: 16.6/22

+ sign 746.574 $\pm$ 181.604 χ^2 /NDF: 99.6/51

All: 582.226 $\pm$ 128.756 χ^2 /NDF: 142.5/107

- sign 416.113 $\pm$ 182.576 χ^2 /NDF: 41.2/55

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1790.865 ± 0.345 χ^2/NDF : 4508267.0/26

Left Out: 838.243 ± 0.138 χ^2/NDF : 1800245.5/24

Right Out: 1780.368 ± 0.329 χ^2/NDF : 6049904.3/32

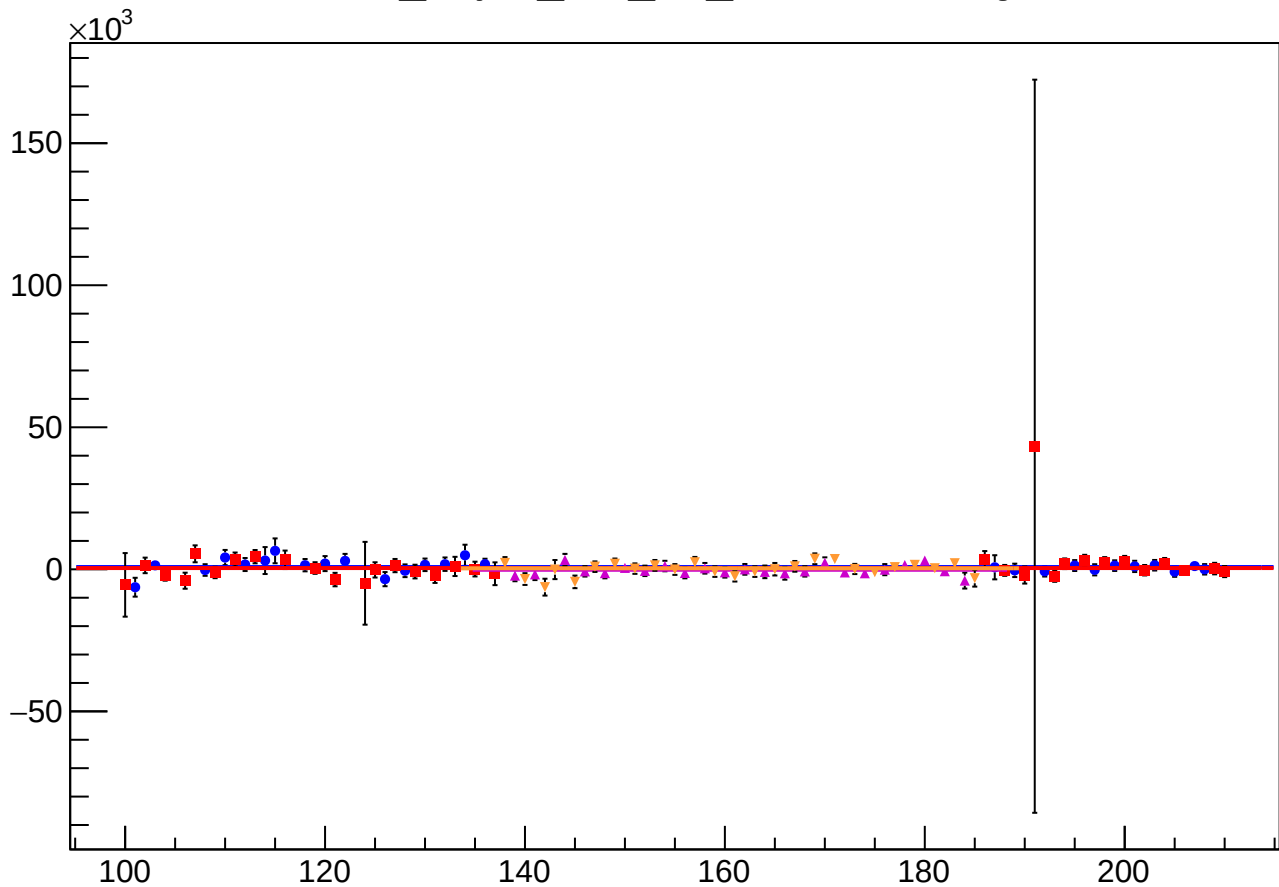
Left In: 839.976 ± 0.140 χ^2/NDF : 669341.7/22

+ sign 970.289 ± 0.128 χ^2/NDF : 12879423.6/51

All: 977.483 ± 0.091 χ^2/NDF : 26516089.1/10

- sign 984.754 ± 0.129 χ^2/NDF : 13630354.4/55

cor_asym_at2_dd_mean vs Slug



Right In: 796.841 $\pm$ 423.533 χ^2 /NDF: 17.3/26

Left Out: 361.560 $\pm$ 388.131 χ^2 /NDF: 29.6/24

Right Out: 445.617 $\pm$ 405.264 χ^2 /NDF: 29.3/32

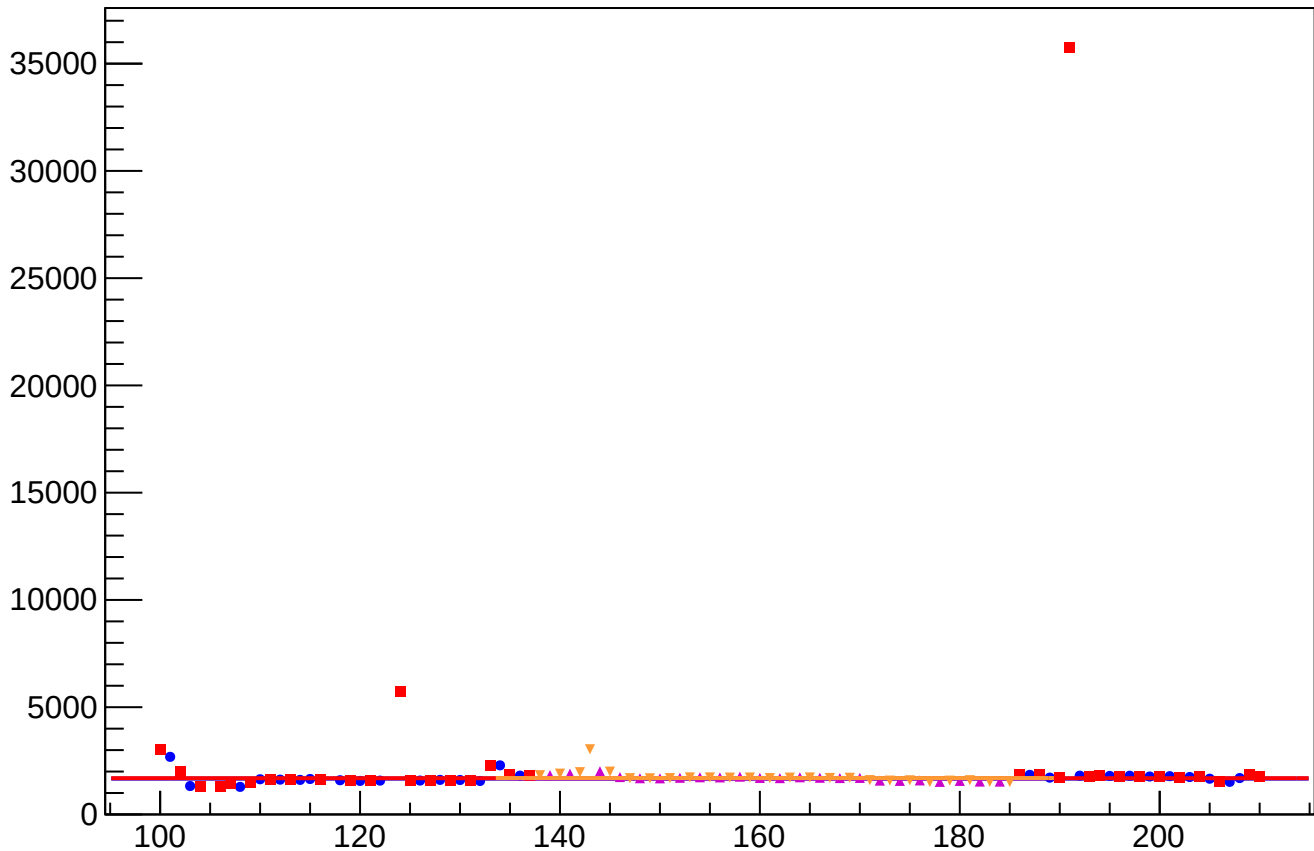
Left In: -156.934 $\pm$ 394.258 χ^2 /NDF: 16.0/22

+ sign 560.252 $\pm$ 286.149 χ^2 /NDF: 47.5/51

All: 345.498 $\pm$ 201.069 χ^2 /NDF: 95.1/107

- sign 136.048 $\pm$ 282.593 χ^2 /NDF: 46.5/55

cor_asym_at2_dd_rms vs Slug



Right In: 1670.973+/-0.299 χ^2/NDF : 488631.9/26

Left Out: 1697.496+/-0.274 χ^2/NDF : 495397.9/24

Right Out: 1689.632+/-0.287 χ^2/NDF : 714323.2/32

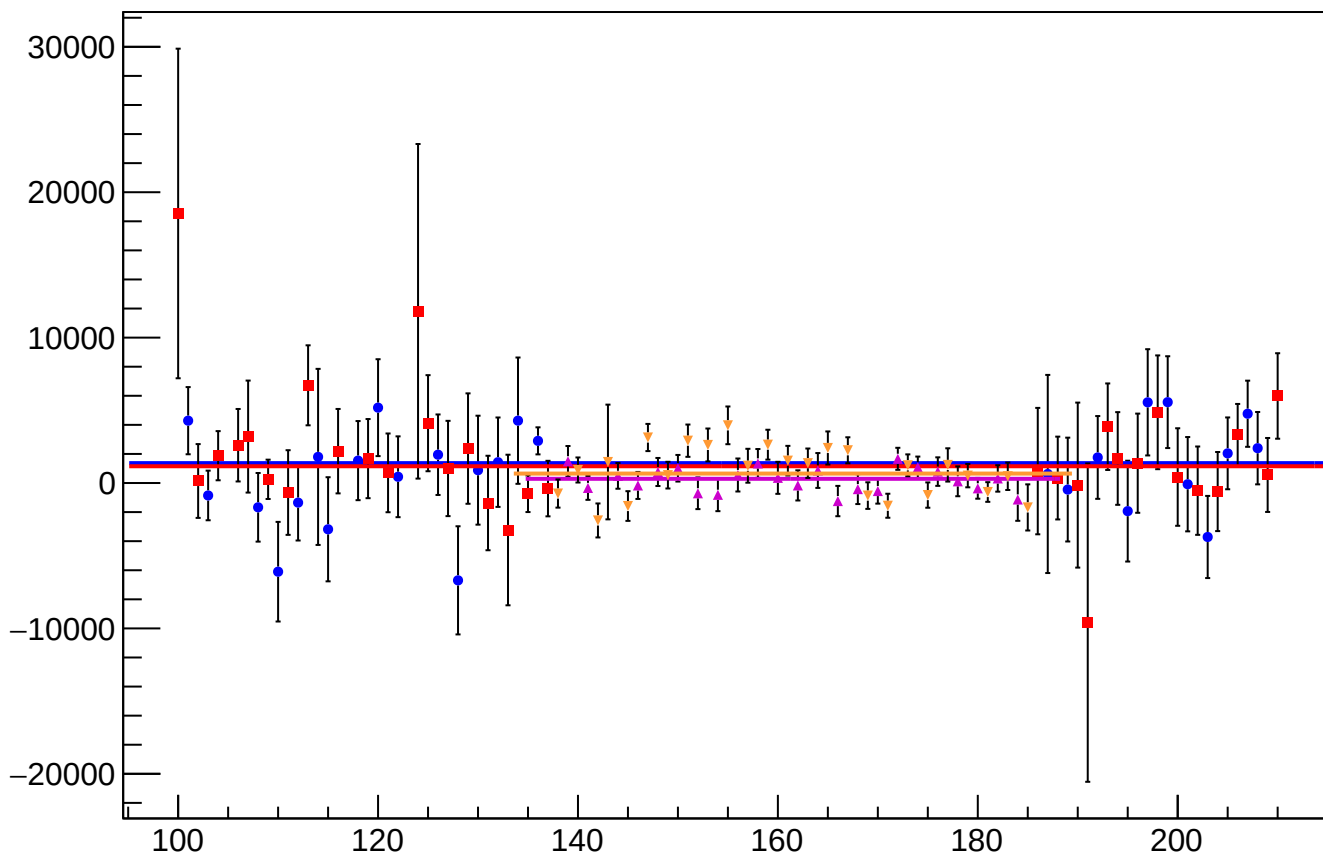
Left In: 1684.577+/-0.279 χ^2/NDF : 165355.7/22

+ sign 1685.389+/-0.202 χ^2/NDF : 988292.7/51

All: 1686.222+/-0.142 χ^2/NDF : 1868165.0/10

- sign 1687.035+/-0.200 χ^2/NDF : 879838.8/55

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1367.836 $\pm$ 487.286 χ^2 /NDF: 31.9/26

Left Out: 649.165 $\pm$ 195.673 χ^2 /NDF: 65.5/24

Right Out: 1152.375 $\pm$ 464.866 χ^2 /NDF: 21.8/32

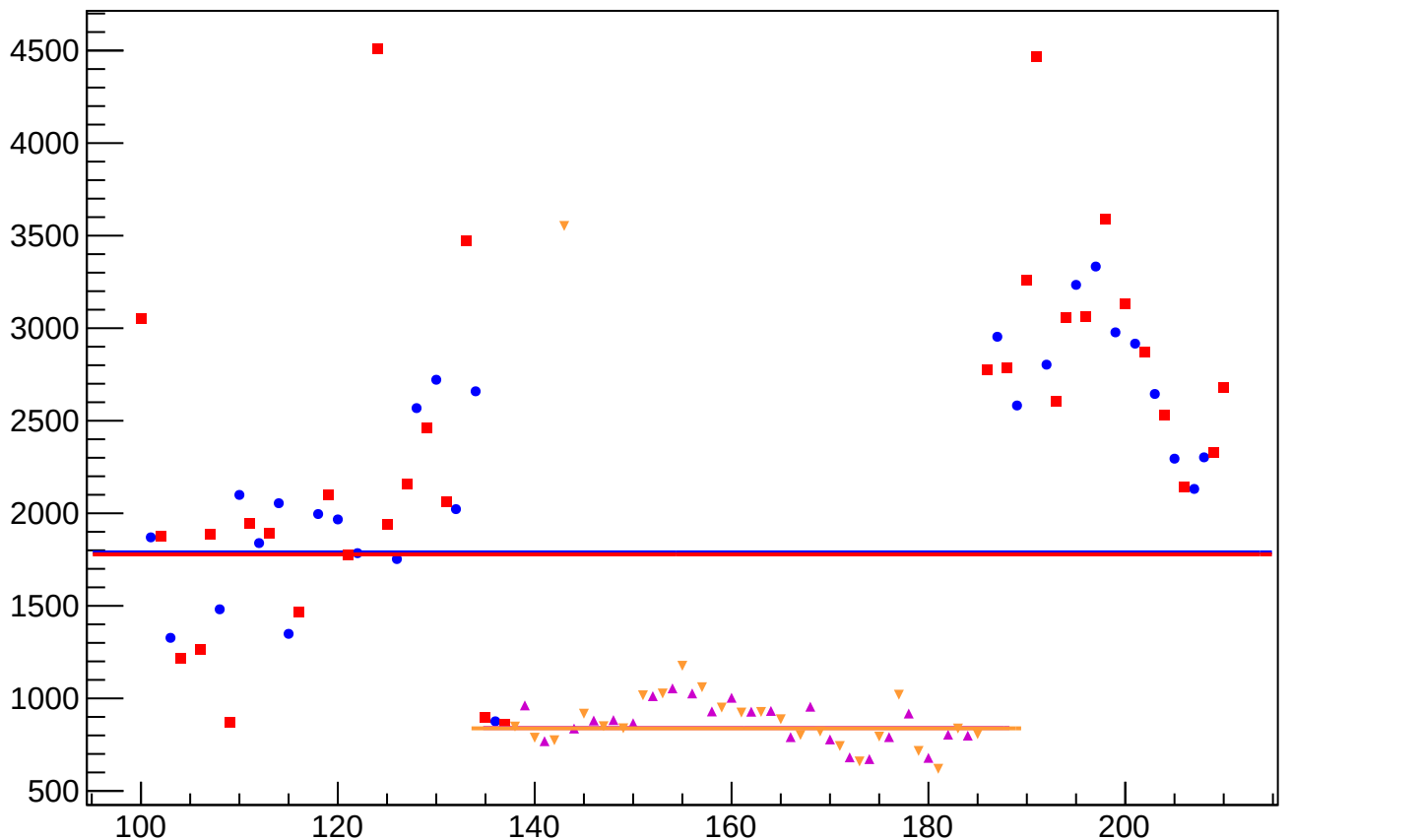
Left In: 288.602 $\pm$ 198.495 χ^2 /NDF: 16.6/22

+ sign 748.957 $\pm$ 181.580 χ^2 /NDF: 99.3/51

All: 586.250 $\pm$ 128.738 χ^2 /NDF: 142.3/107

- sign 421.802 $\pm$ 182.549 χ^2 /NDF: 41.3/55

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1788.980+/-0.345 χ^2/NDF : 4518906.1/26

Left Out: 838.254+/-0.138 χ^2/NDF : 1800138.0/24

Right Out: 1778.171+/-0.329 χ^2/NDF : 6059282.4/32

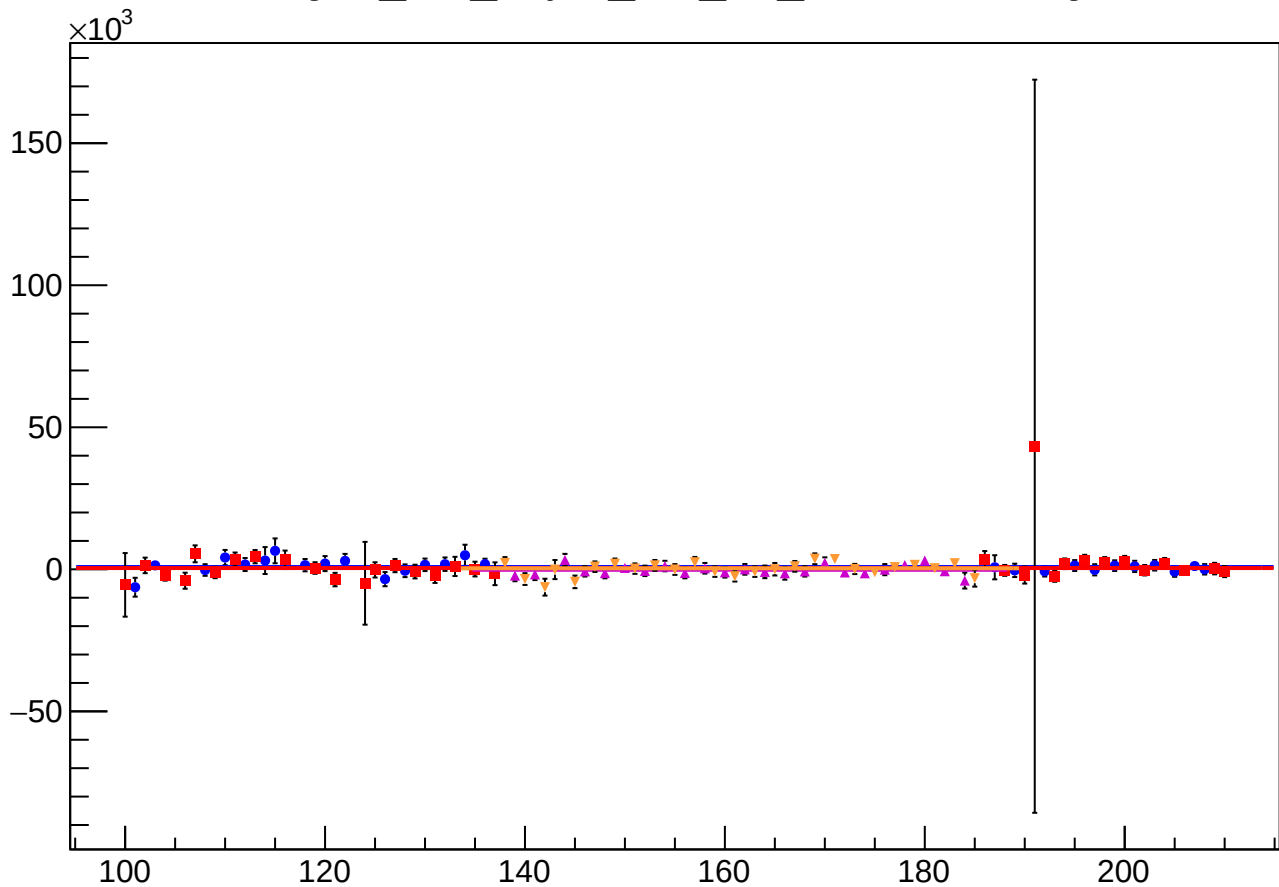
Left In: 839.978+/-0.140 χ^2/NDF : 669338.3/22

+ sign 970.269+/-0.128 χ^2/NDF : 12875168.9/51

All: 977.423+/-0.091 χ^2/NDF : 26500077.5/10

- sign 984.655+/-0.129 χ^2/NDF : 13618665.5/55

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 796.841 ± 423.533 χ^2/NDF : 17.3/26

Left Out: 361.560 ± 388.131 χ^2/NDF : 29.6/24

Right Out: 445.617 ± 405.264 χ^2/NDF : 29.3/32

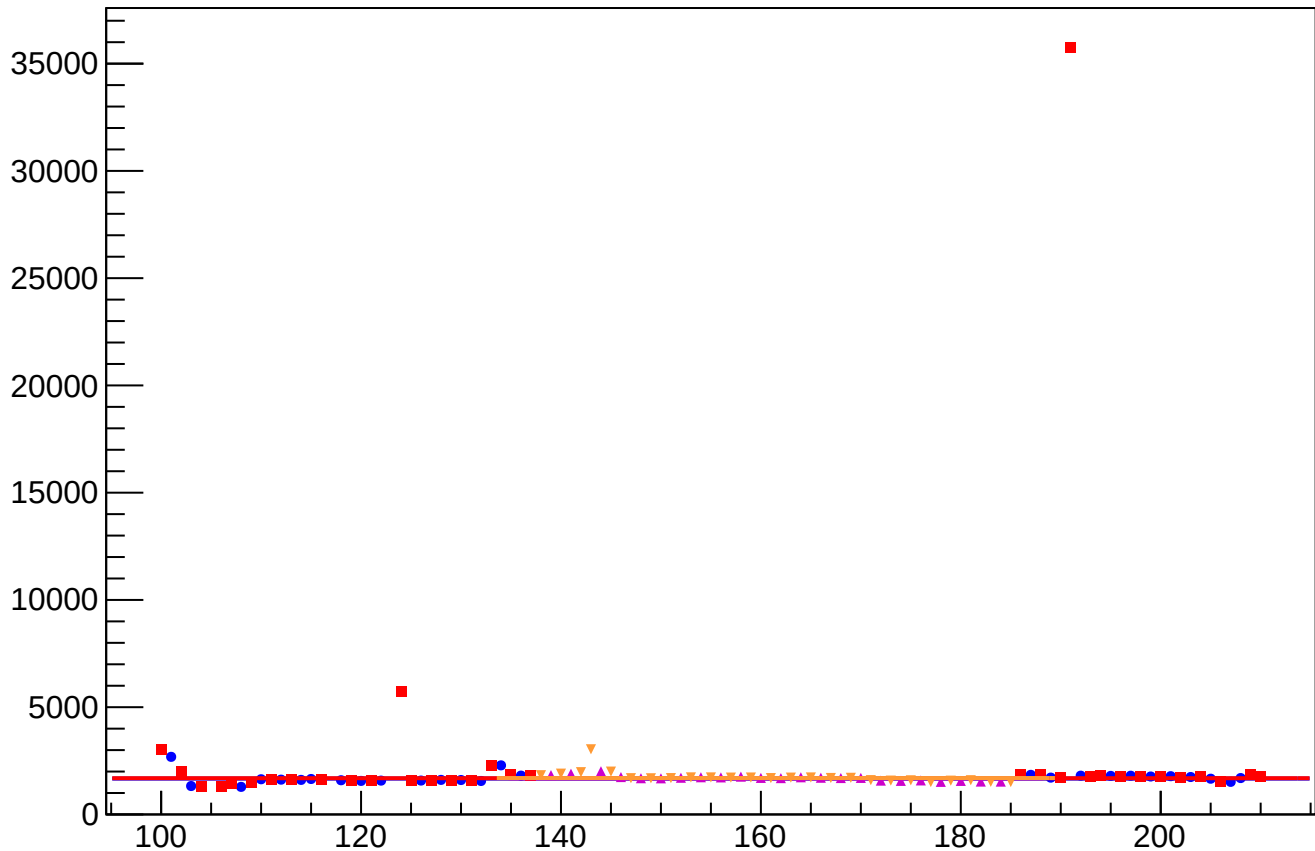
Left In: -156.934 ± 394.258 χ^2/NDF : 16.0/22

+ sign 560.252 ± 286.149 χ^2/NDF : 47.5/51

All: 345.498 ± 201.069 χ^2/NDF : 95.1/107

- sign 136.048 ± 282.593 χ^2/NDF : 46.5/55

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1670.973+/-0.299 χ^2/NDF : 488631.9/26

Left Out: 1697.496+/-0.274 χ^2/NDF : 495397.9/24

Right Out: 1689.632+/-0.287 χ^2/NDF : 714323.2/32

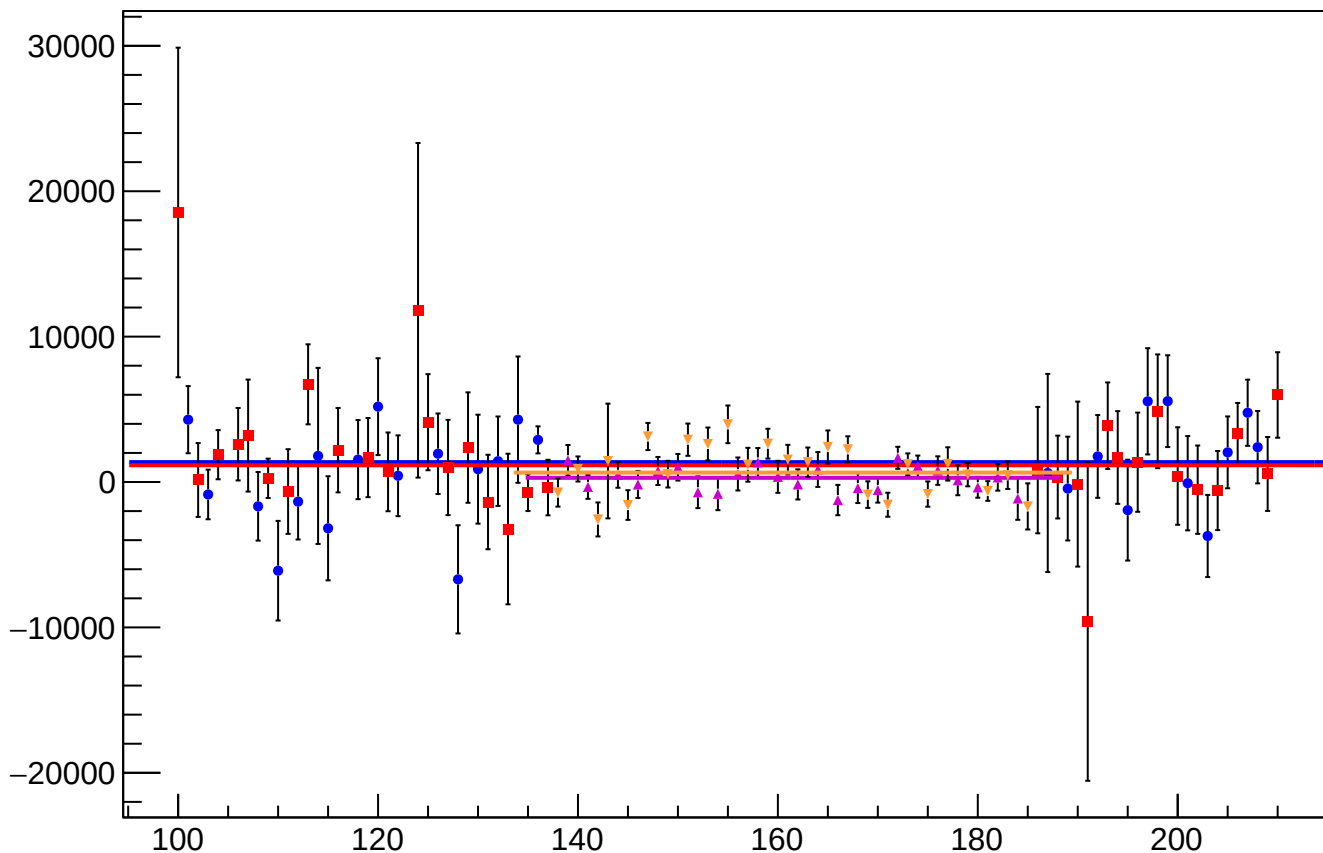
Left In: 1684.577+/-0.279 χ^2/NDF : 165355.7/22

+ sign 1685.389+/-0.202 χ^2/NDF : 988292.7/51

All: 1686.222+/-0.142 χ^2/NDF : 1868165.0/10

- sign 1687.035+/-0.200 χ^2/NDF : 879838.8/55

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1367.836 $\pm$ 487.286 χ^2 /NDF: 31.9/26

Left Out: 649.165 $\pm$ 195.673 χ^2 /NDF: 65.5/24

Right Out: 1152.375 $\pm$ 464.866 χ^2 /NDF: 21.8/32

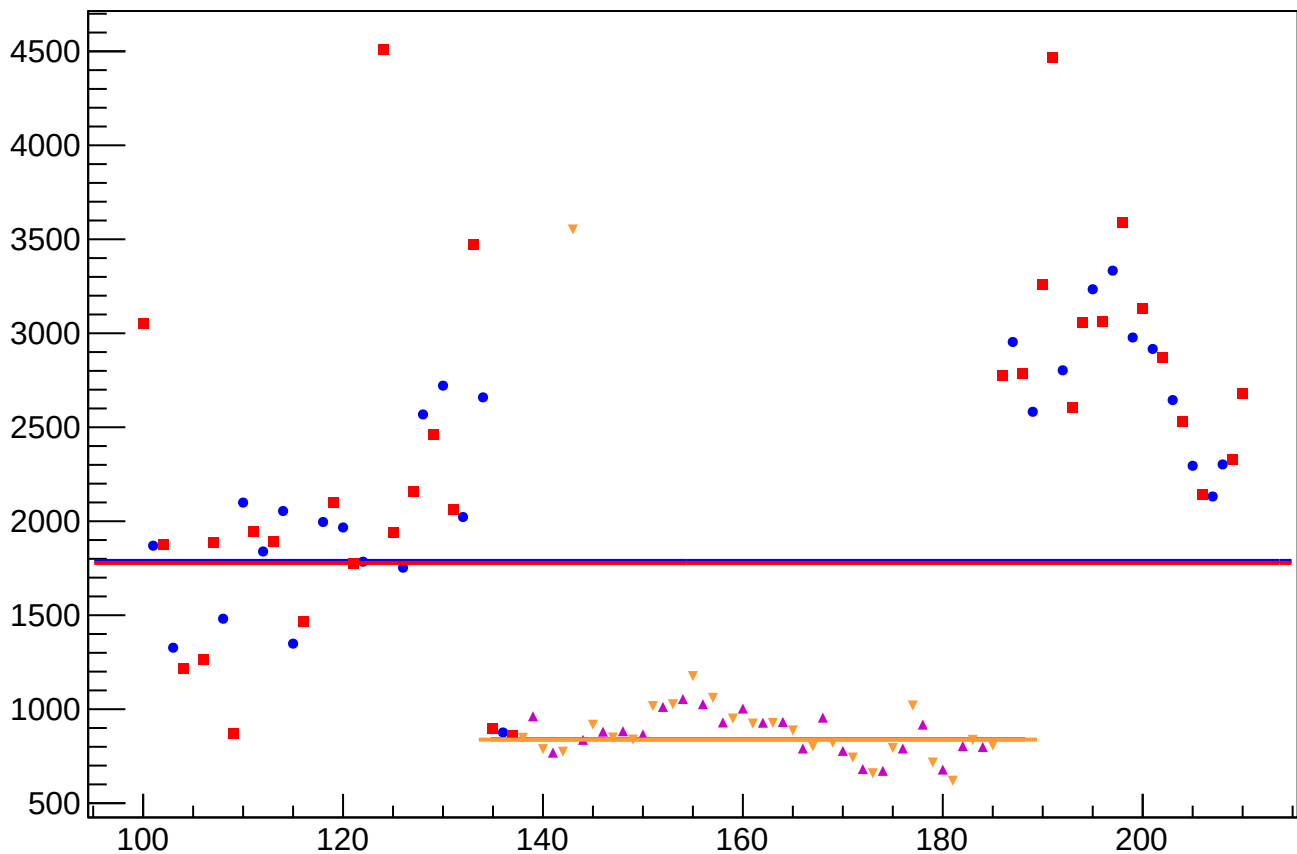
Left In: 288.602 $\pm$ 198.495 χ^2 /NDF: 16.6/22

+ sign 748.957 $\pm$ 181.580 χ^2 /NDF: 99.3/51

All: 586.250 $\pm$ 128.738 χ^2 /NDF: 142.3/107

- sign 421.802 $\pm$ 182.549 χ^2 /NDF: 41.3/55

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1788.980 ± 0.345 $\chi^2/\text{NDF}: 4518906.1/26$

Left Out: 838.254 ± 0.138 $\chi^2/\text{NDF}: 1800138.0/24$

Right Out: 1778.171 ± 0.329 $\chi^2/\text{NDF}: 6059282.4/32$

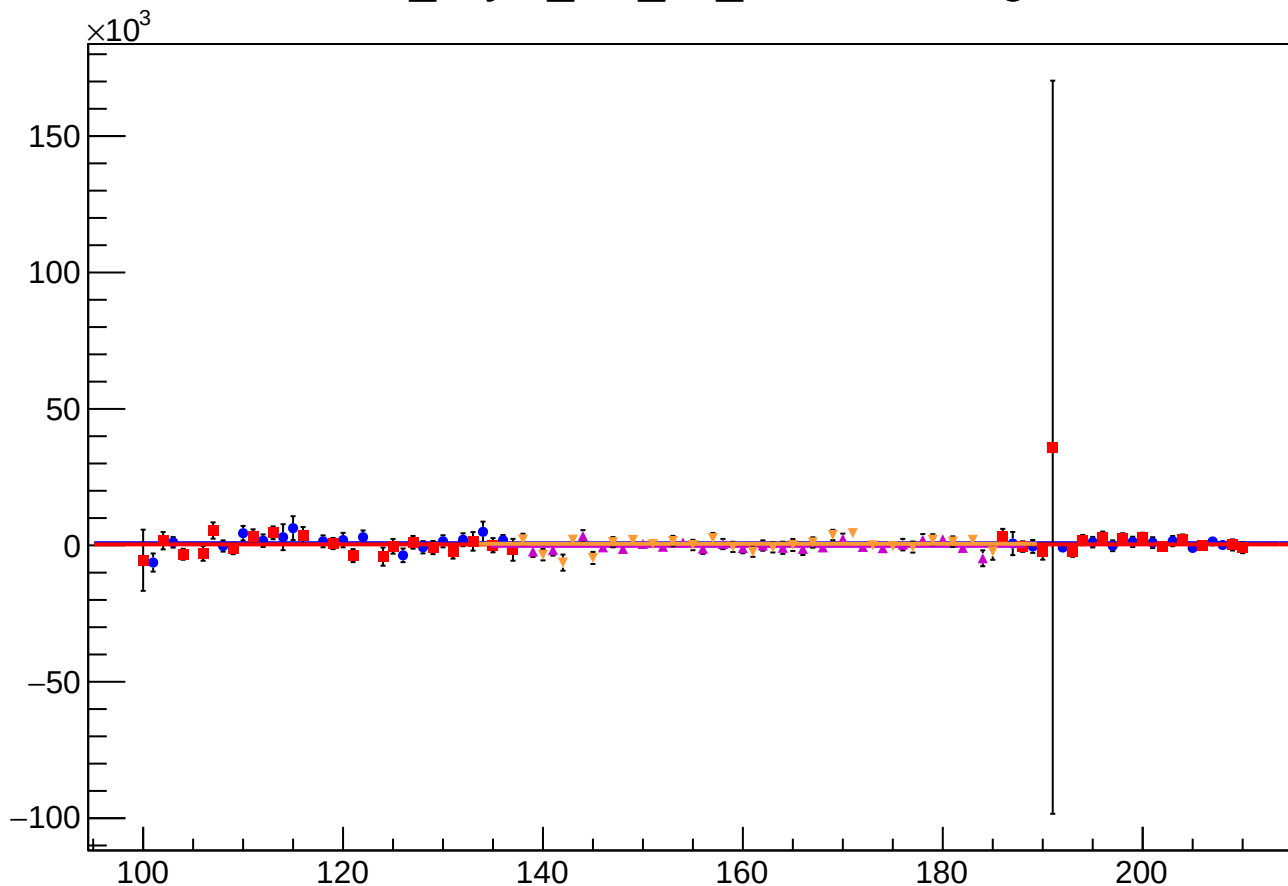
Left In: 839.978 ± 0.140 $\chi^2/\text{NDF}: 669338.3/22$

+ sign 970.269 ± 0.128 $\chi^2/\text{NDF}: 12875168.9/51$

All: 977.423 ± 0.091 $\chi^2/\text{NDF}: 26500077.5/10$

- sign 984.655 ± 0.129 $\chi^2/\text{NDF}: 13618665.5/55$

dit_asym_at2_dd_mean vs Slug



Right In: 788.142 $\pm$ 426.706 χ^2 /NDF: 18.0/26

Left Out: 580.299 $\pm$ 389.769 χ^2 /NDF:31.9/24

Right Out: 352.818 $\pm$ 405.785 χ^2 /NDF: 31.5/32

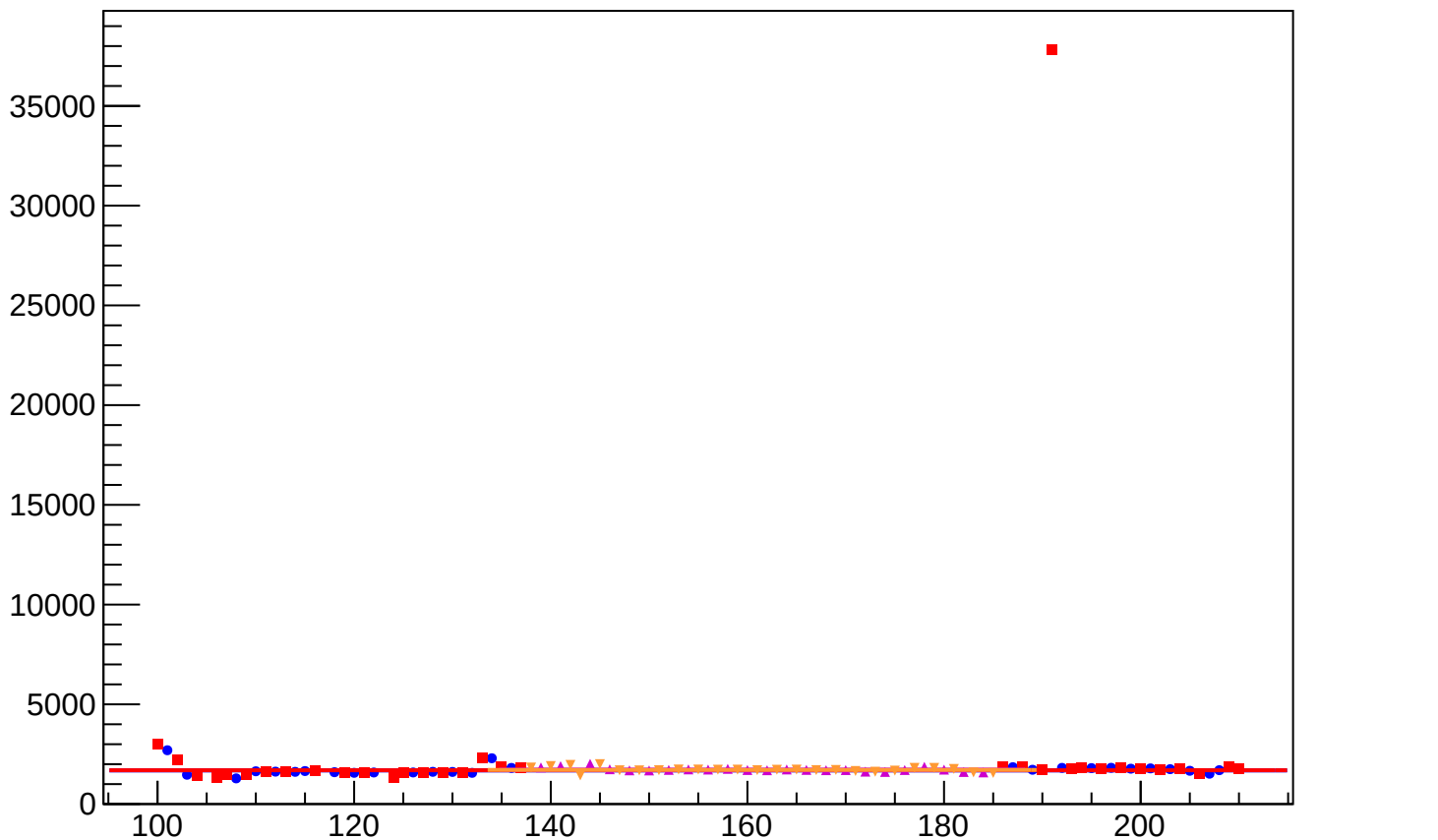
Left In: -185.836 $\pm$ 404.094 χ^2 /NDF:14.4/22

+ sign 674.837 $\pm$ 287.782 χ^2 /NDF: 50.1/51

All: 377.107 $\pm$ 202.979 χ^2 /NDF: 99.1/107

- sign 82.366 $\pm$ 286.334 χ^2 /NDF: 46.9/55

dit_asym_at2_dd_rms vs Slug



Right In: 1684.945+/-0.302 χ^2/NDF : 435519.5/26

Left Out: 1711.712+/-0.276 χ^2/NDF : 168006.4/24

Right Out: 1694.772+/-0.287 χ^2/NDF : 574286.1/32

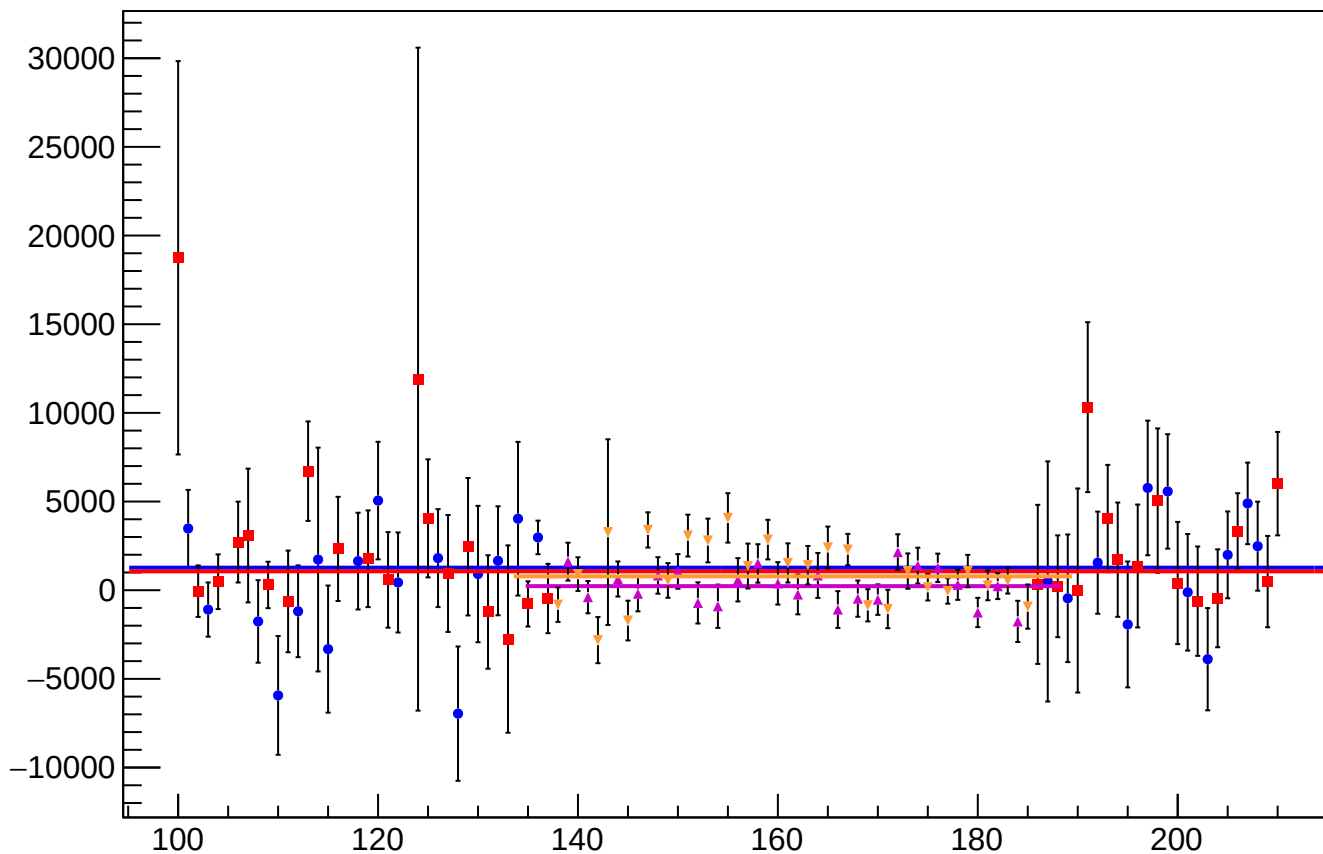
Left In: 1727.912+/-0.286 χ^2/NDF : 100226.8/22

+ sign 1699.537+/-0.203 χ^2/NDF : 607816.2/51

All: 1705.504+/-0.144 χ^2/NDF : 1290738.1/100

- sign 1711.411+/-0.202 χ^2/NDF : 681210.6/55

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1270.921 $\pm$ 484.940 χ^2 /NDF: 32.6/26

Left Out: 778.974 $\pm$ 201.641 χ^2 /NDF: 54.5/24

Right Out: 1064.542 $\pm$ 444.902 χ^2 /NDF: 24.7/32

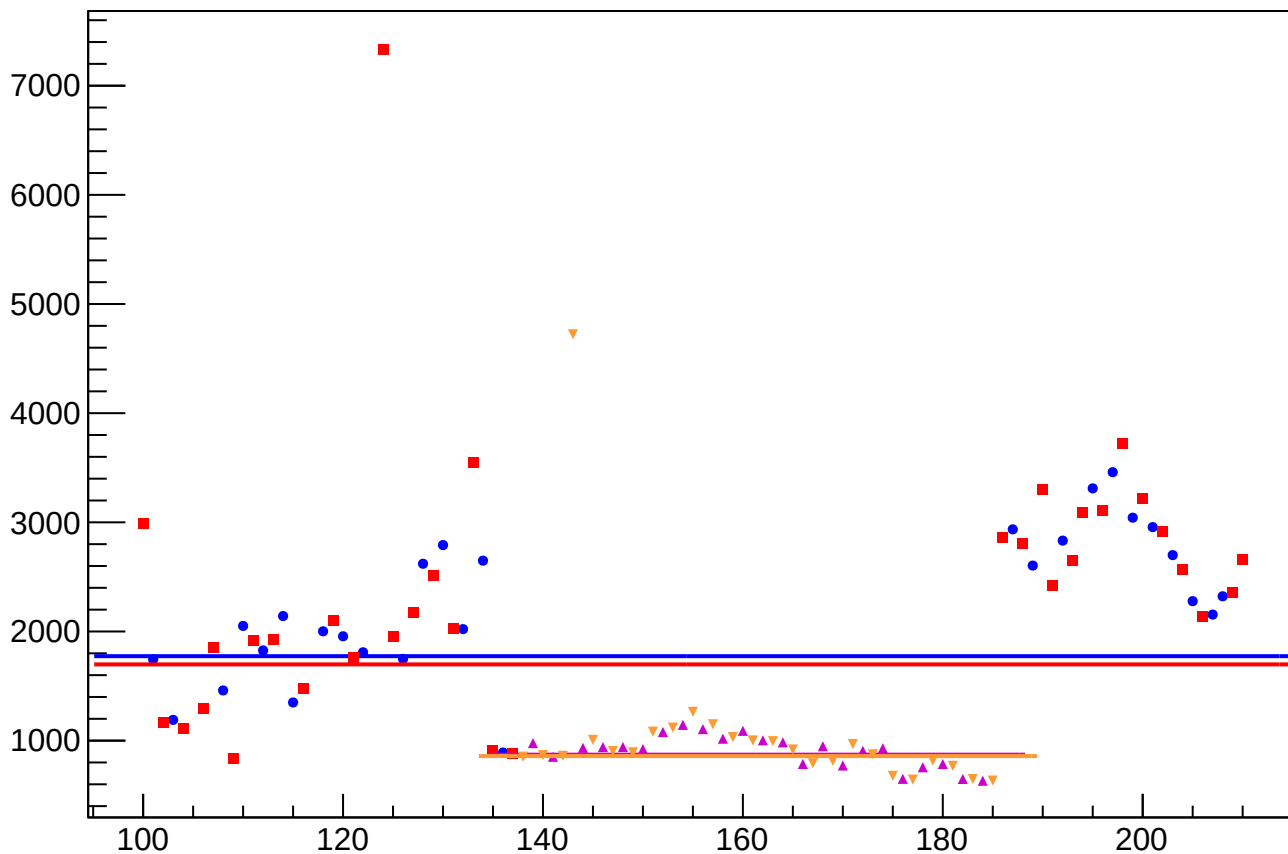
Left In: 228.879 $\pm$ 206.703 χ^2 /NDF: 22.6/22

+ sign 851.491 $\pm$ 186.187 χ^2 /NDF: 88.0/51

All: 615.979 $\pm$ 132.102 χ^2 /NDF: 141.4/107

- sign 377.238 $\pm$ 187.459 χ^2 /NDF: 50.2/55

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1773.874 $\pm$ 0.343 χ^2 /NDF: 4686932.2/26

Left Out: 858.593 $\pm$ 0.143 χ^2 /NDF: 2279775.0/24

Right Out: 1698.616 $\pm$ 0.315 χ^2 /NDF: 6668620.5/32

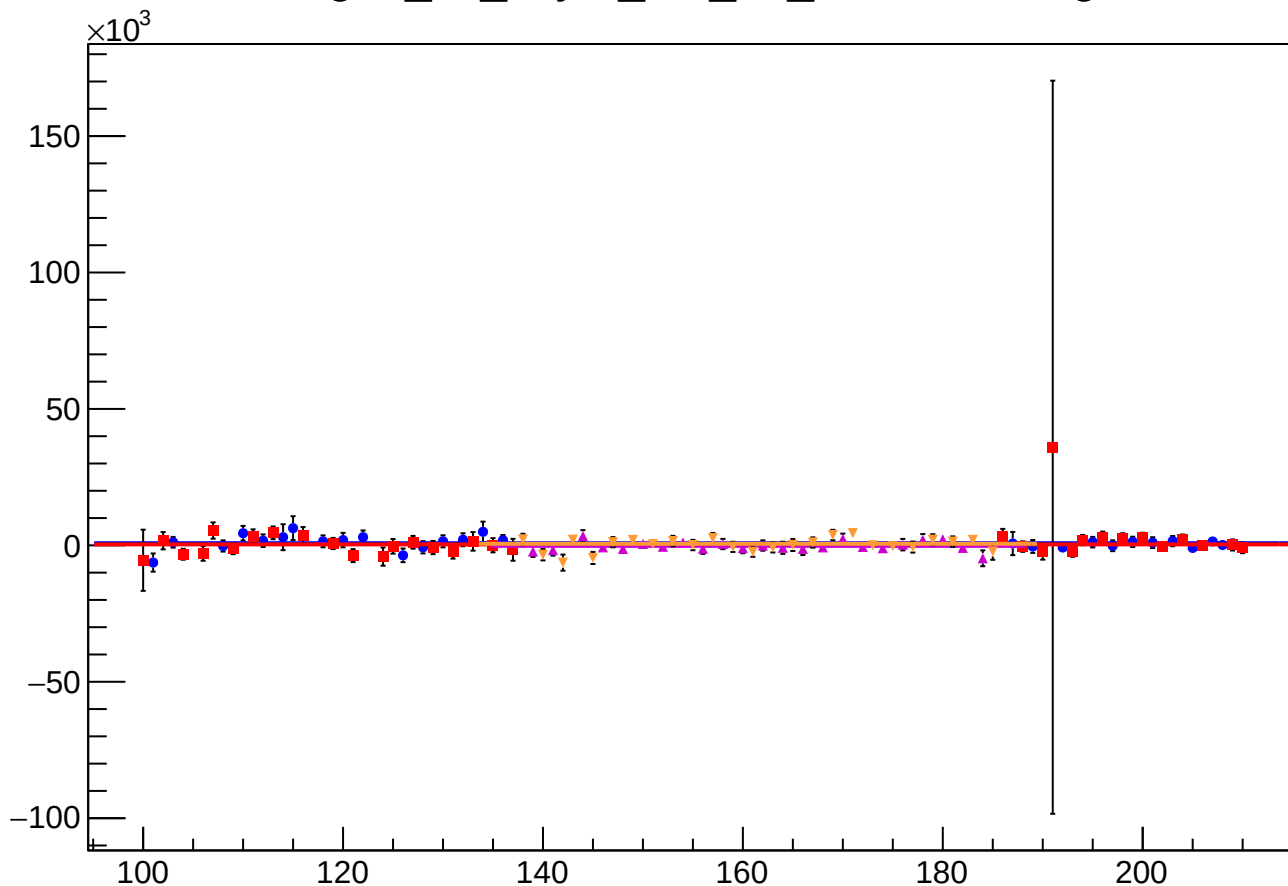
Left In: 871.527 $\pm$ 0.146 χ^2 /NDF: 979356.2/22

+ sign 993.513 $\pm$ 0.132 χ^2 /NDF: 13041123.9/51

All: 1005.854 $\pm$ 0.093 χ^2 /NDF: 26391695.2/100

- sign 1018.364 $\pm$ 0.133 χ^2 /NDF: 13332878.3/55

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 788.139 ± 426.706 χ^2/NDF : 18.0/26

Left Out: 580.295 ± 389.769 χ^2/NDF : 31.9/24

Right Out: 352.815 ± 405.785 χ^2/NDF : 31.5/32

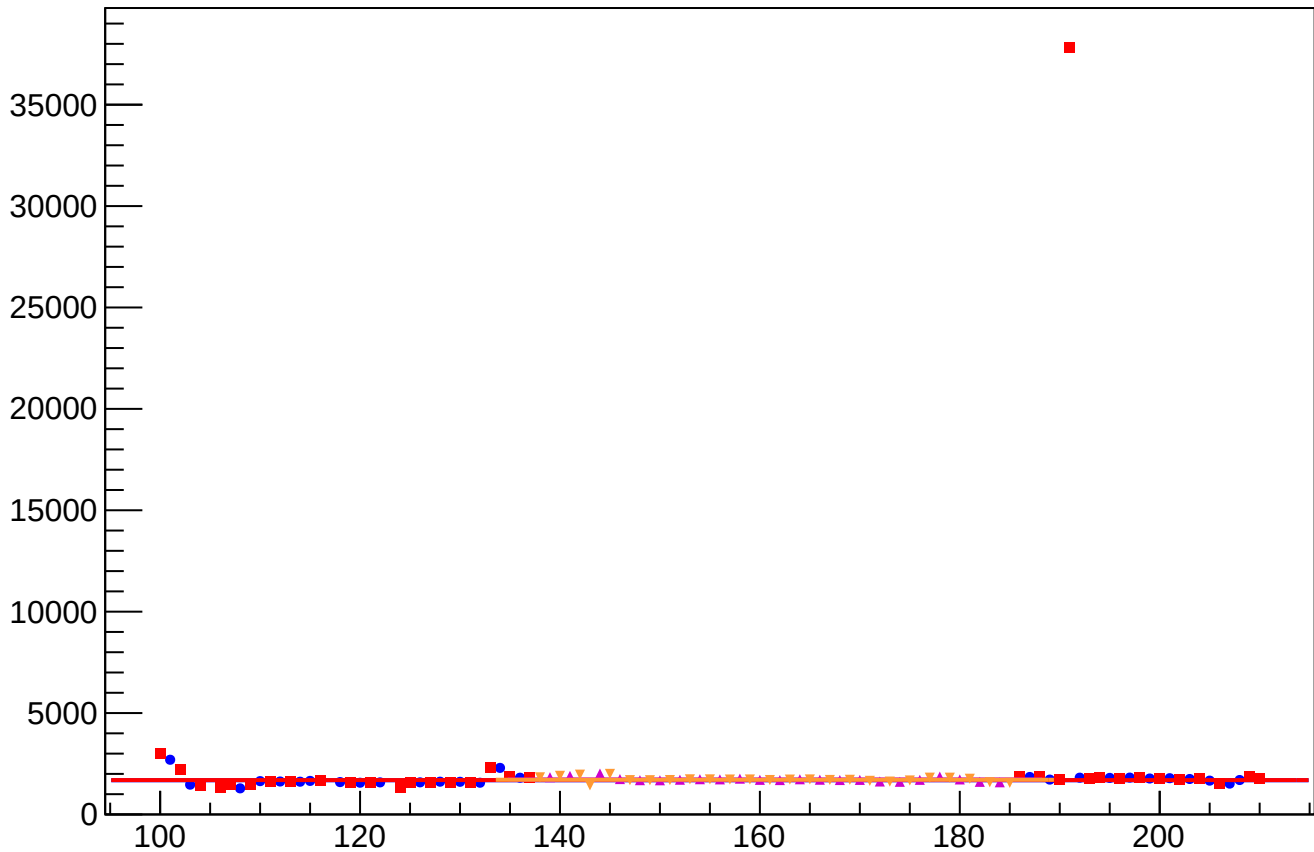
Left In: -185.837 ± 404.094 χ^2/NDF : 14.4/22

+ sign 674.833 ± 287.782 χ^2/NDF : 50.1/51

All: 377.104 ± 202.979 χ^2/NDF : 99.1/107

- sign 82.365 ± 286.333 χ^2/NDF : 46.9/55

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1684.944+/-0.302 χ^2/NDF : 435519.4/26

Left Out: 1711.711+/-0.276 χ^2/NDF : 168005.1/24

Right Out: 1694.772+/-0.287 χ^2/NDF : 574286.2/32

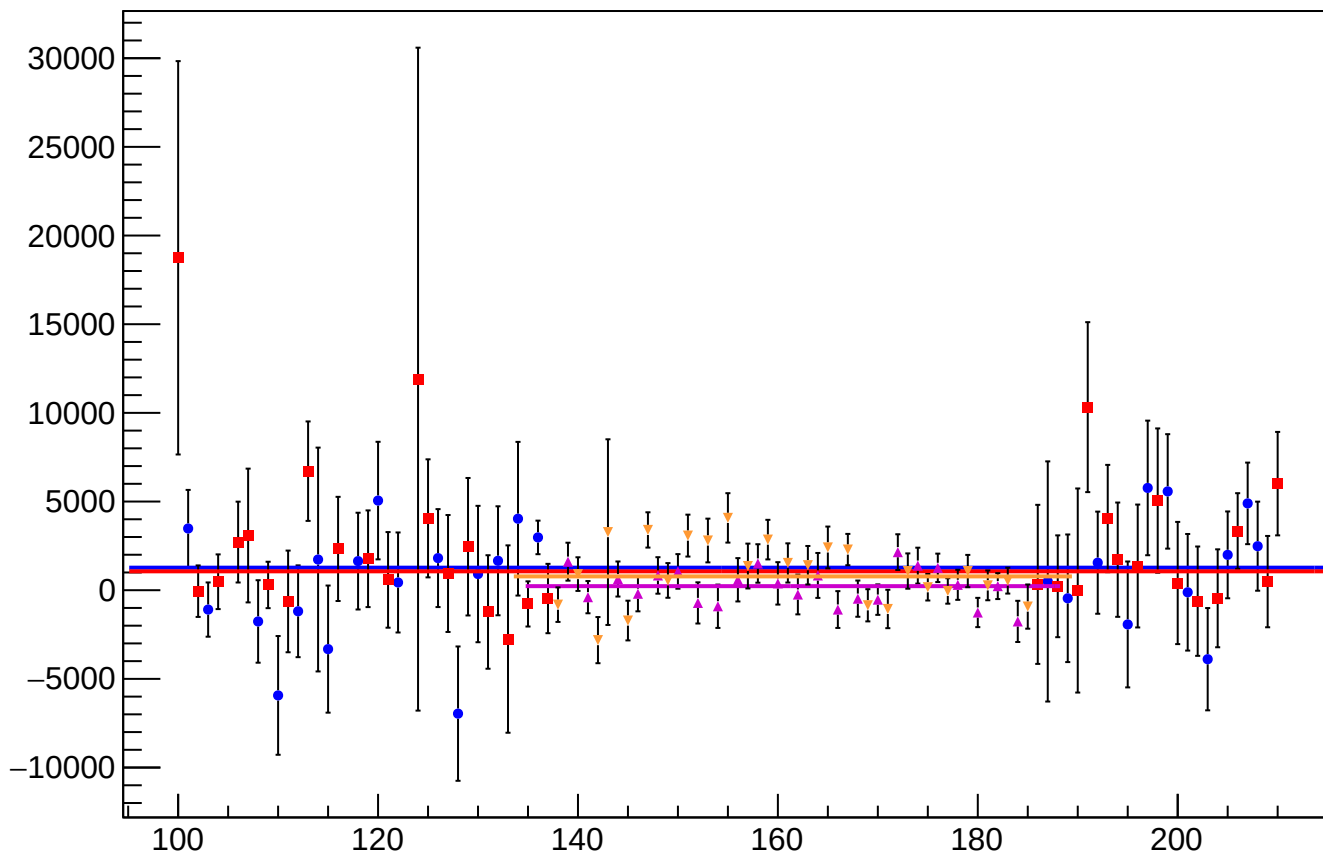
Left In: 1727.912+/-0.286 χ^2/NDF : 100226.8/22

+ sign 1699.536+/-0.203 χ^2/NDF : 607814.8/51

All: 1705.504+/-0.144 χ^2/NDF : 1290736.7/100

- sign 1711.411+/-0.202 χ^2/NDF : 681210.6/55

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1270.917 $\pm$ 484.942 χ^2 /NDF: 32.6/26

Left Out: 778.977 $\pm$ 201.641 χ^2 /NDF: 54.5/24

Right Out: 1064.556 $\pm$ 444.905 χ^2 /NDF: 24.7/32

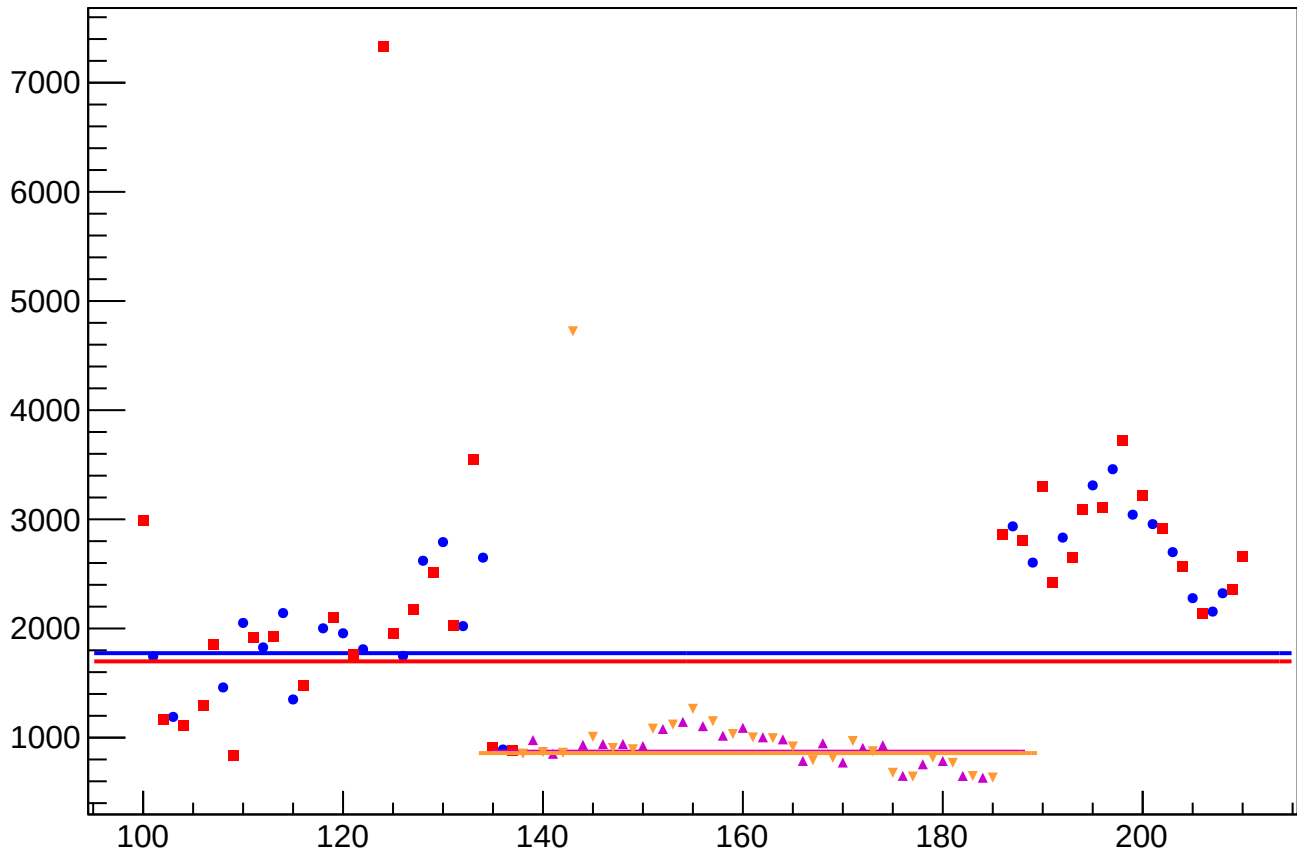
Left In: 228.876 $\pm$ 206.703 χ^2 /NDF: 22.6/22

+ sign 851.492 $\pm$ 186.187 χ^2 /NDF: 88.0/51

All: 615.979 $\pm$ 132.102 χ^2 /NDF: 141.4/107

- sign 377.237 $\pm$ 187.459 χ^2 /NDF: 50.2/55

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1773.887 $\pm$ 0.343 χ^2 /NDF: 4686762.6/26

Left Out: 858.593 $\pm$ 0.143 χ^2 /NDF: 2279765.6/24

Right Out: 1698.629 $\pm$ 0.315 χ^2 /NDF: 6668466.0/32

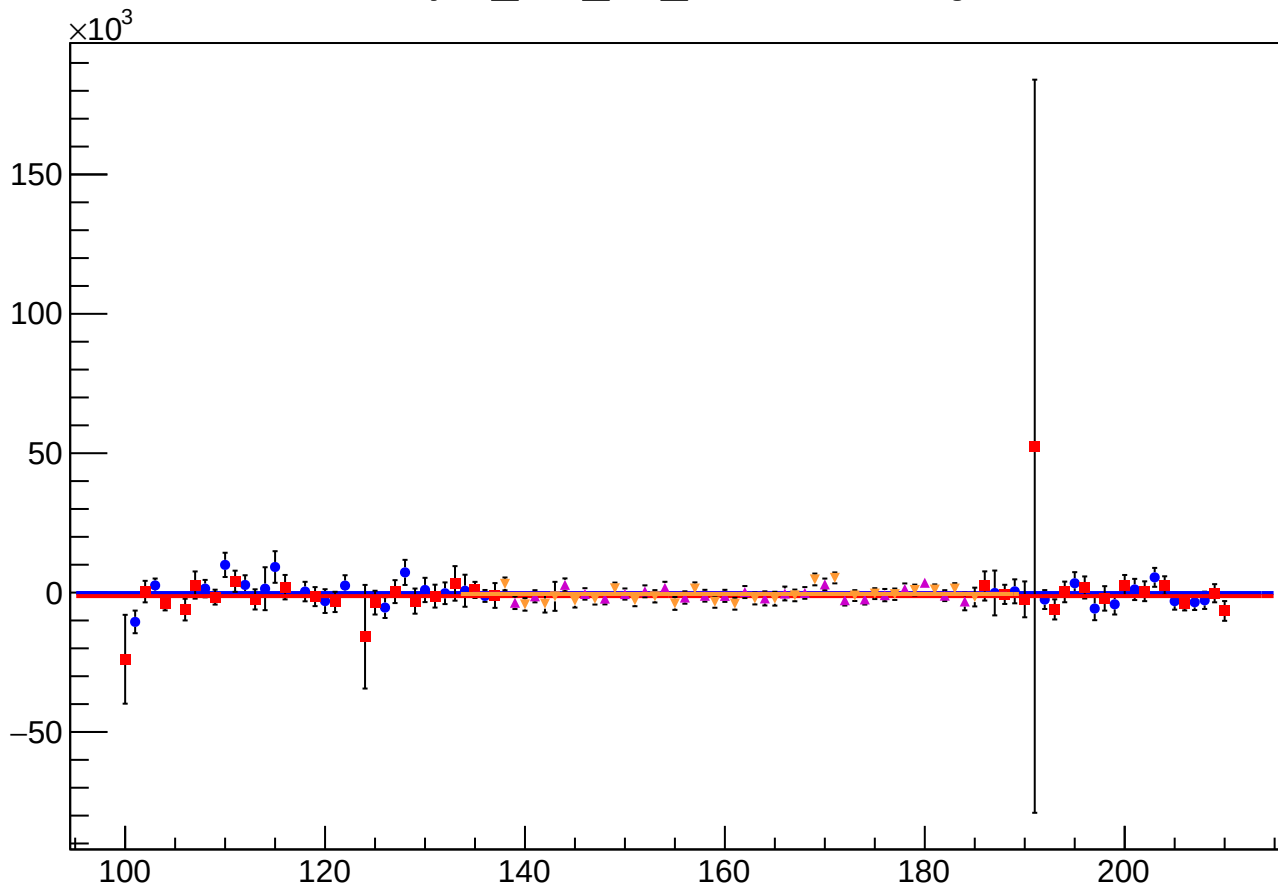
Left In: 871.525 $\pm$ 0.146 χ^2 /NDF: 979360.3/22

+ sign 993.514 $\pm$ 0.132 χ^2 /NDF: 13041078.0/51

All: 1005.854 $\pm$ 0.093 χ^2 /NDF: 26391650.2/100

- sign 1018.364 $\pm$ 0.133 χ^2 /NDF: 13332880.8/55

asym_at2_dd_mean vs Slug



Right In: -160.652 ± 697.493 χ^2/NDF : 32.9/26

Left Out: -501.517 ± 439.916 χ^2/NDF : 35.9/24

Right Out: -1262.513 ± 669.957 χ^2/NDF : 19.9/32

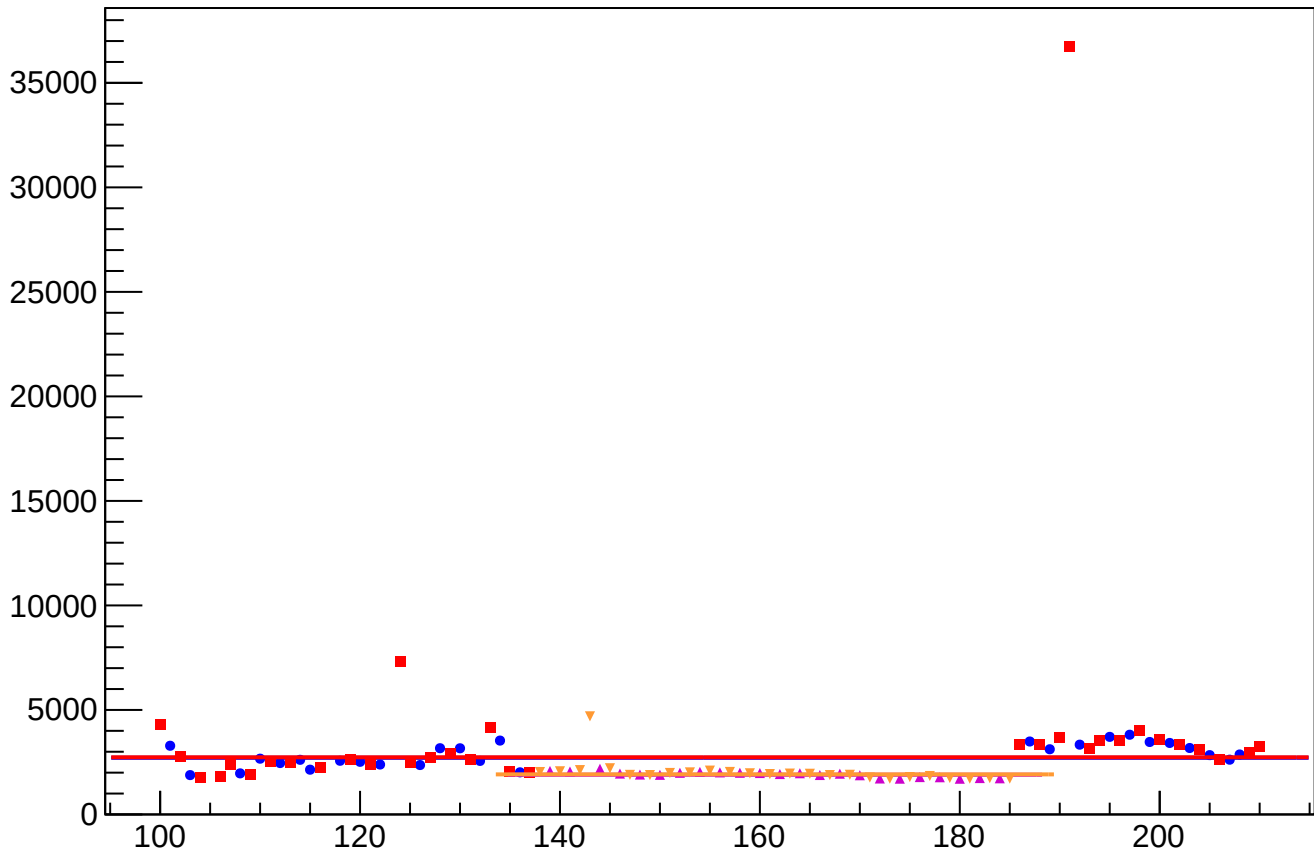
Left In: -411.323 ± 444.573 χ^2/NDF : 18.9/22

+ sign -404.511 ± 372.090 χ^2/NDF : 69.0/51

All: -538.627 ± 262.520 χ^2/NDF : 109.1/107

- sign -671.550 ± 370.433 χ^2/NDF : 39.8/55

asym_at2_dd_rms vs Slug



Right In: 2710.791+/-0.493 χ^2/NDF : 1322940.1/26

Left Out: 1917.157+/-0.311 χ^2/NDF : 756385.6/24

Right Out: 2733.907+/-0.474 χ^2/NDF : 1999787.4/32

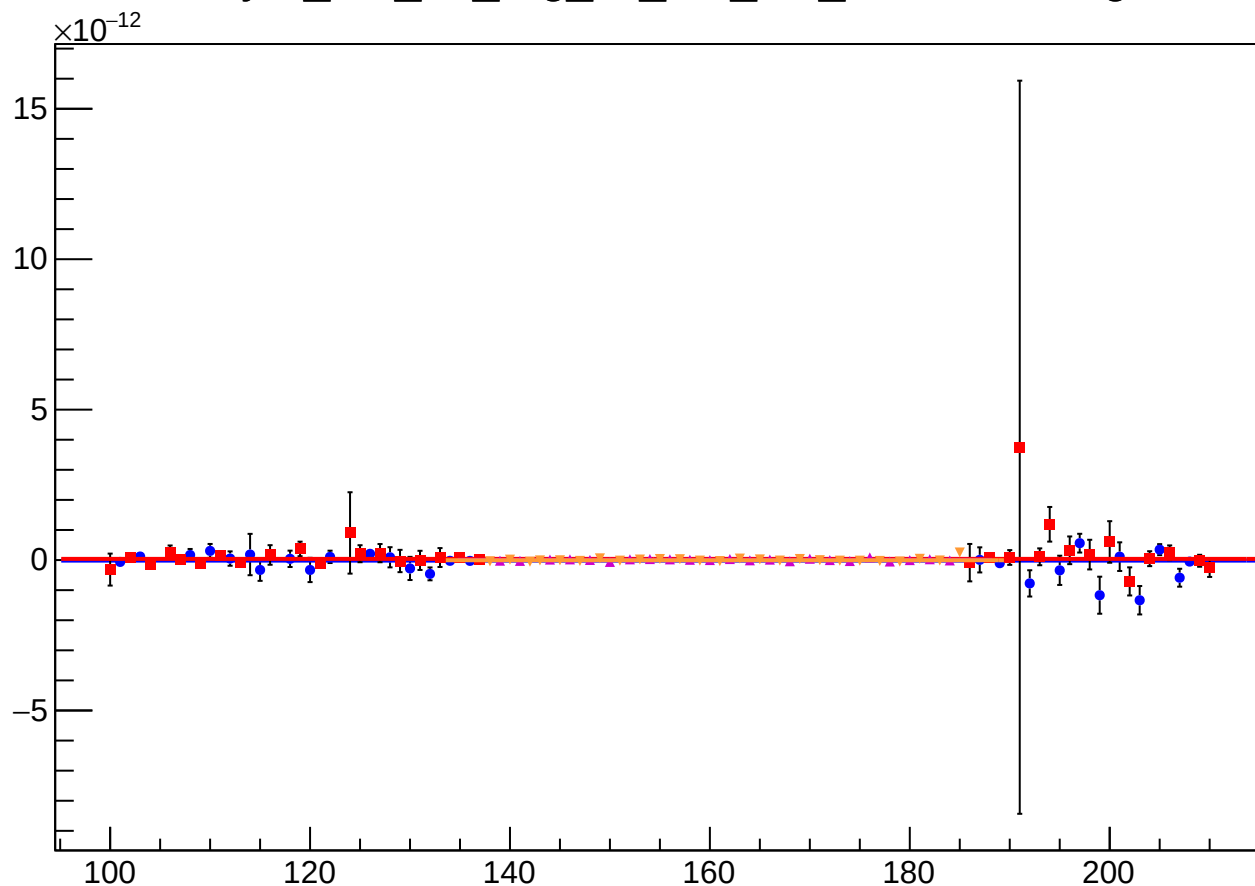
Left In: 1899.245+/-0.314 χ^2/NDF : 173376.4/22

+ sign 2143.016+/-0.263 χ^2/NDF : 3931776.6/51

All: 2148.744+/-0.186 χ^2/NDF : 8261116.2/10

- sign 2154.421+/-0.262 χ^2/NDF : 4328395.9/55

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 41.2/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 28.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.1/32

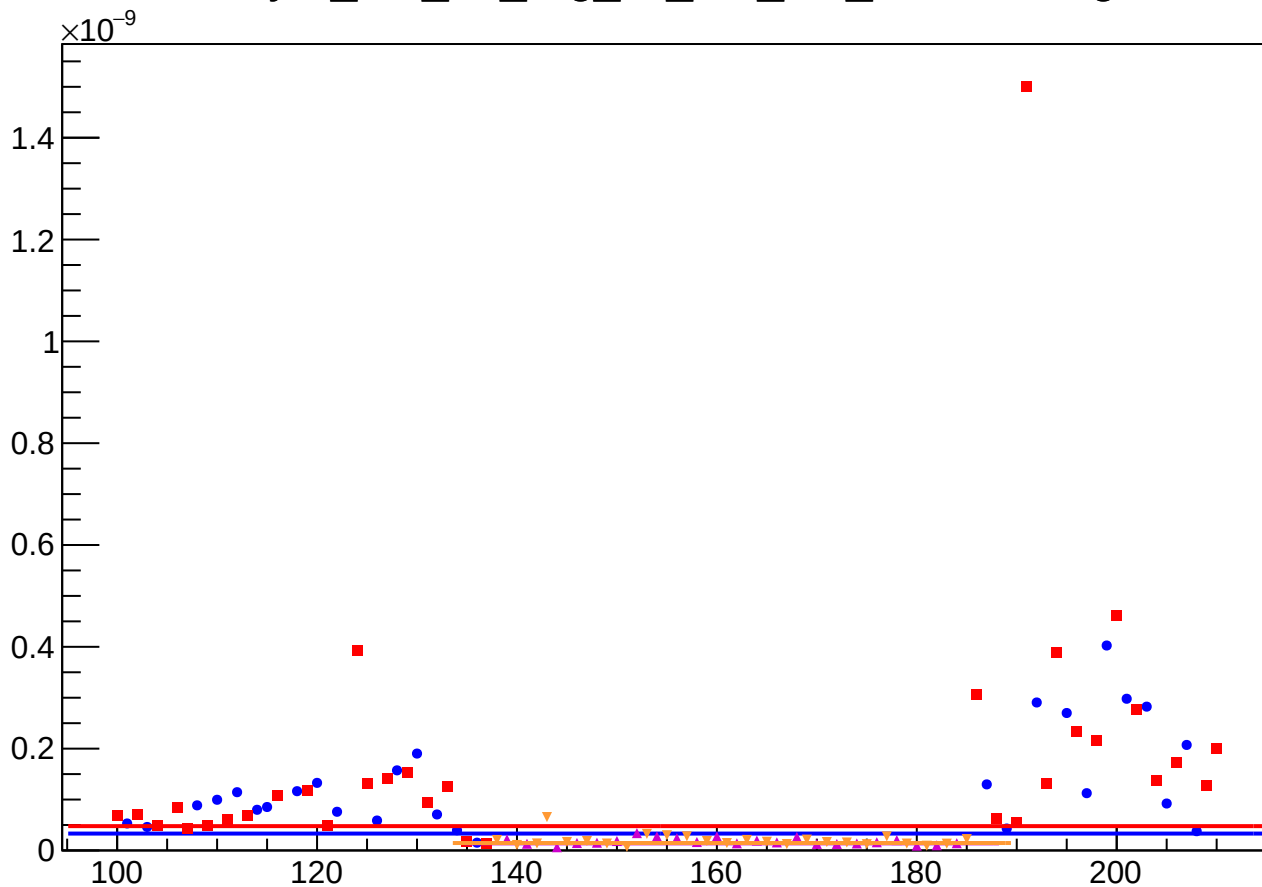
Left In: 0.000 ± 0.000 χ^2/NDF : 25.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 70.0/51

All: 0.000 ± 0.000 χ^2/NDF : 125.2/107

- sign 0.000 ± 0.000 χ^2/NDF : 51.5/55

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7071468.8/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7392519.6/32

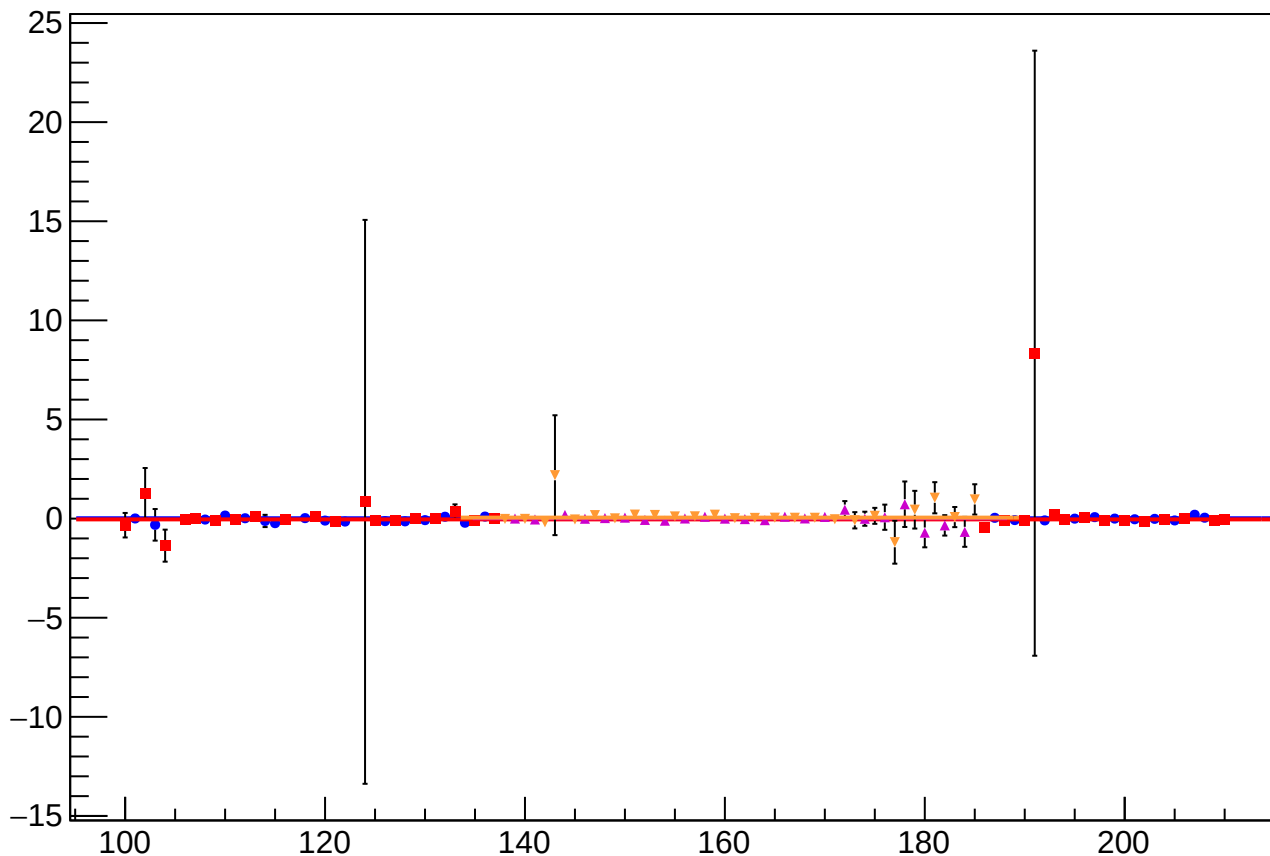
Left In: 0.000+/-0.000 χ^2/NDF : 1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 10386132.4/51

All: 0.000+/-0.000 χ^2/NDF : 22907921.1/107

- sign 0.000+/-0.000 χ^2/NDF : 12517936.8/55

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.018 ± 0.019 χ^2/NDF : 29.2/26

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.039 ± 0.018 χ^2/NDF : 25.5/32

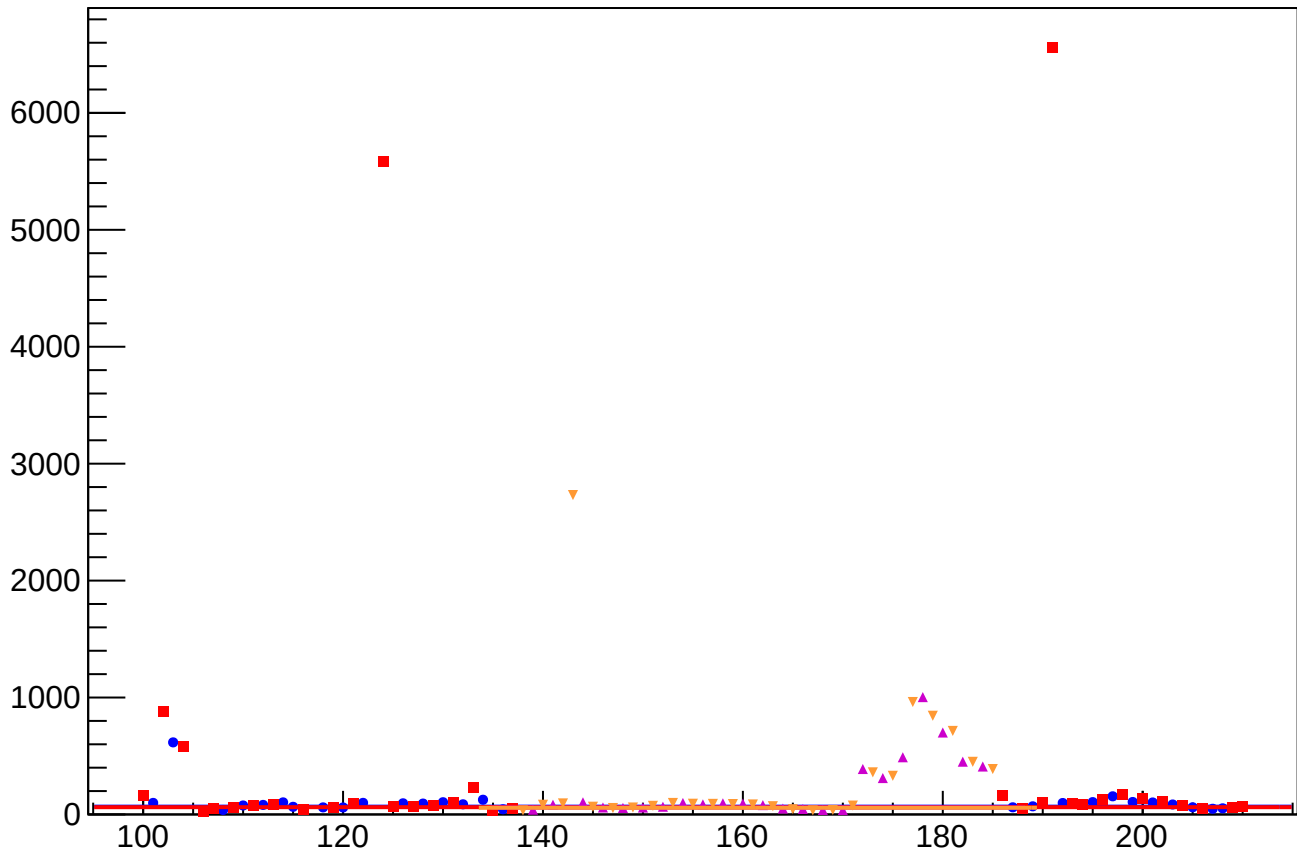
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.035 ± 0.013 χ^2/NDF : 55.2/51

All: 0.012 ± 0.009 χ^2/NDF : 108.3/107

- sign -0.009 ± 0.012 χ^2/NDF : 46.6/55

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 66.790+/-0.013 χ^2 /NDF: 4203655.3/26

Left Out: 57.259+/-0.012 χ^2 /NDF:12322019.7/24

Right Out: 62.171+/-0.012 χ^2 /NDF: 7280845.2/32

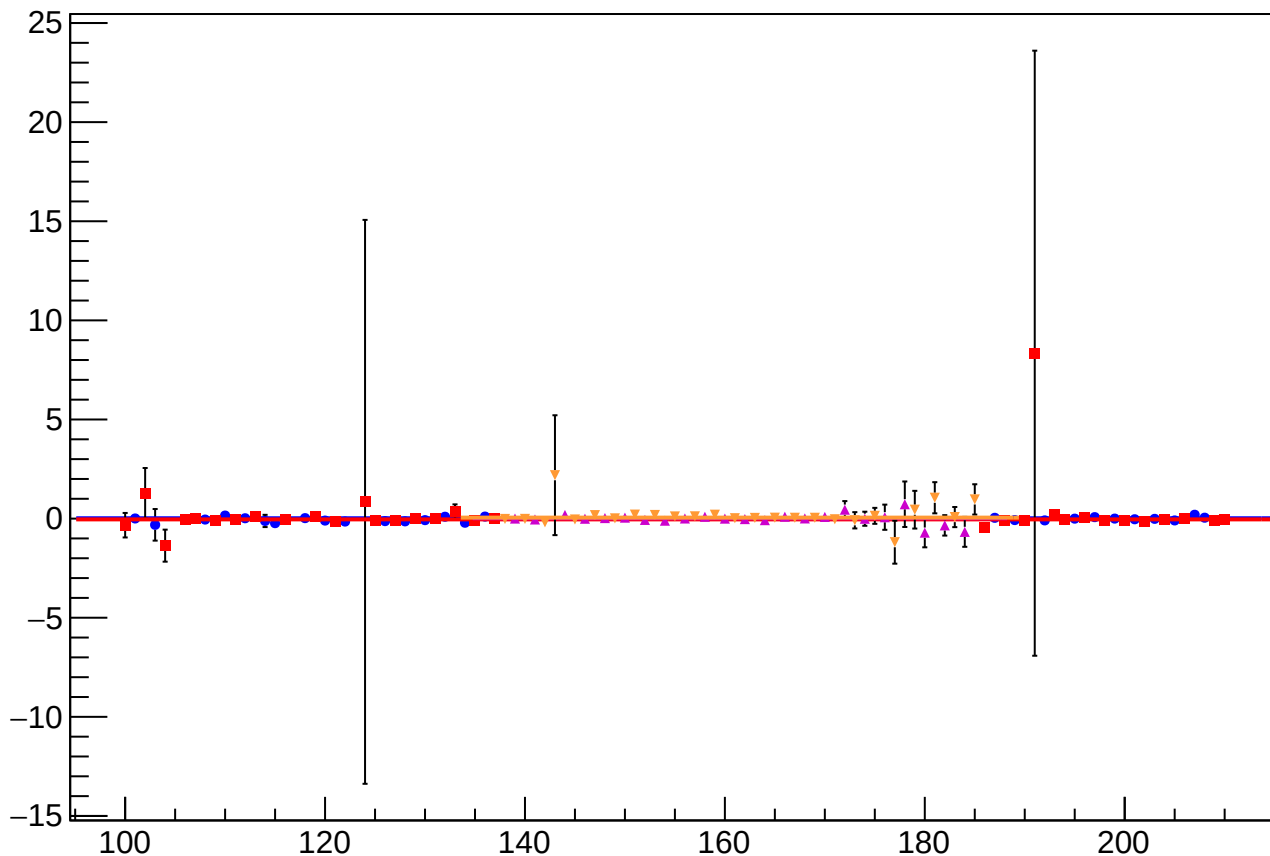
Left In: 58.580+/-0.012 χ^2 /NDF:10247660.0/22

+ sign 61.513+/-0.009 χ^2 /NDF: 16805344.6/51

All: 60.904+/-0.006 χ^2 /NDF: 34385745.5/107

- sign 60.334+/-0.009 χ^2 /NDF: 17571444.6/55

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018 ± 0.019 χ^2/NDF : 29.2/26

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.039 ± 0.018 χ^2/NDF : 25.5/32

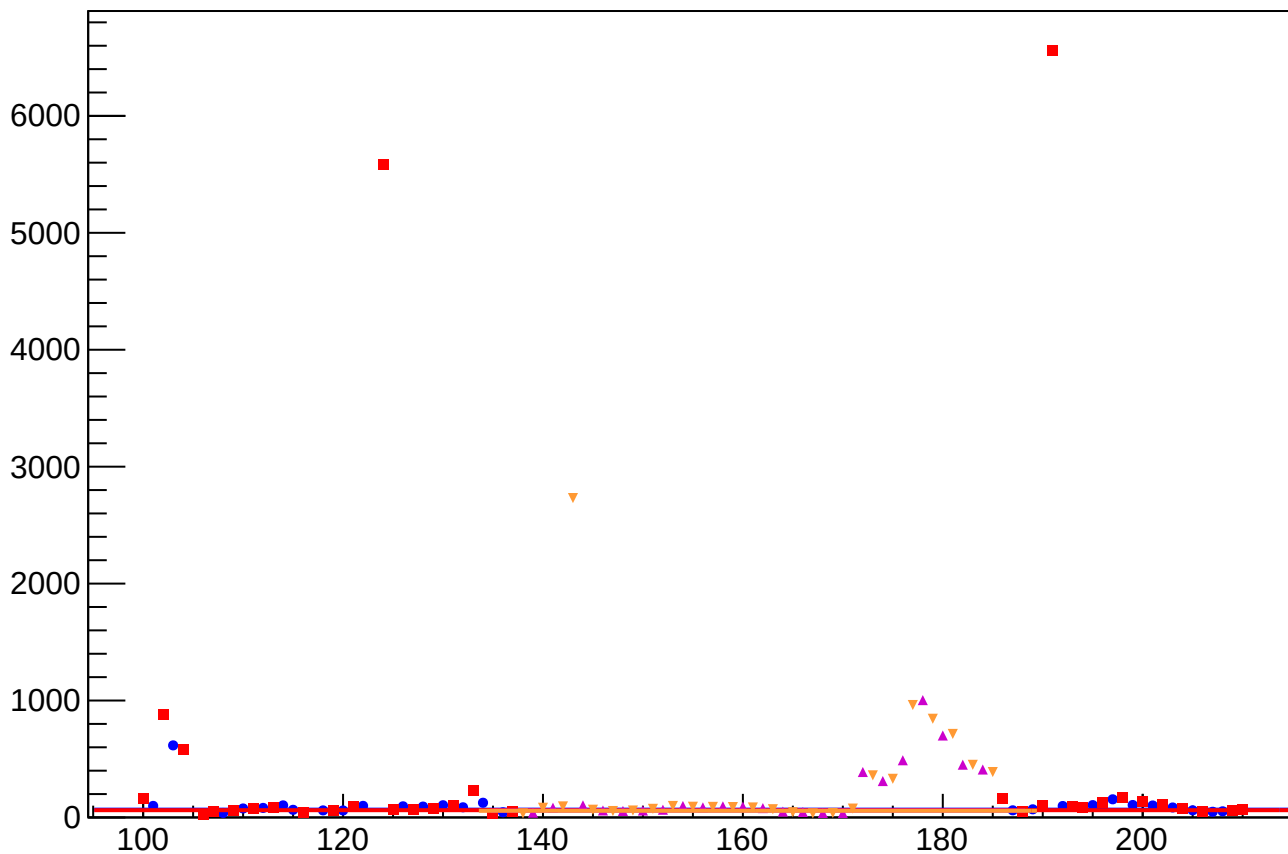
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.035 ± 0.013 χ^2/NDF : 55.2/51

All: 0.012 ± 0.009 χ^2/NDF : 108.3/107

- sign -0.009 ± 0.012 χ^2/NDF : 46.6/55

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.790 $\pm$ 0.013 χ^2 /NDF: 4203655.3/26

Left Out: 57.259 $\pm$ 0.012 χ^2 /NDF: 12322019.7/24

Right Out: 62.171 $\pm$ 0.012 χ^2 /NDF: 7280845.2/32

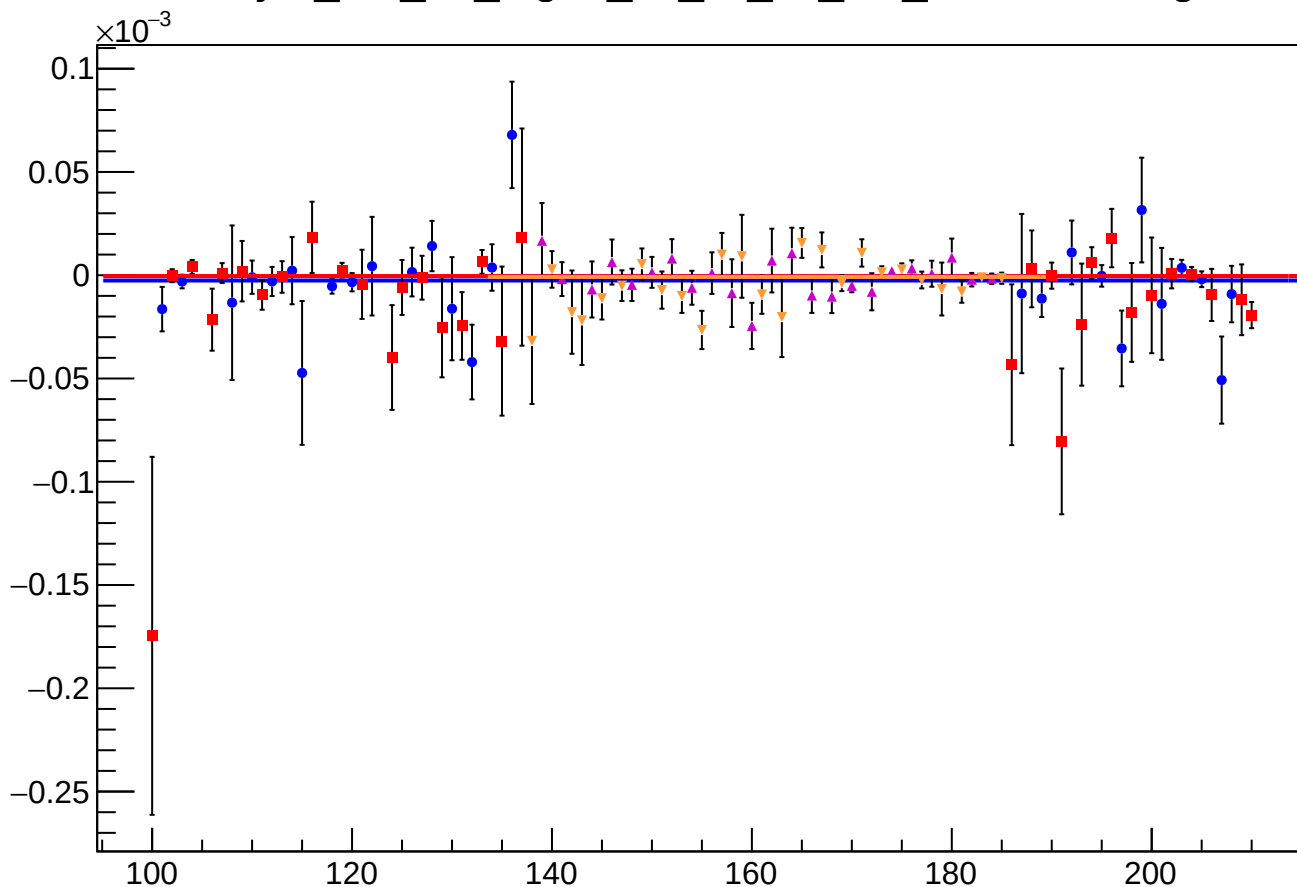
Left In: 58.580 $\pm$ 0.012 χ^2 /NDF: 10247660.0/22

+ sign 61.513 $\pm$ 0.009 χ^2 /NDF: 16805344.6/51

All: 60.904 $\pm$ 0.006 χ^2 /NDF: 34385745.5/107

- sign 60.334 $\pm$ 0.009 χ^2 /NDF: 17571444.6/55

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF : 32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF : 39.6/32

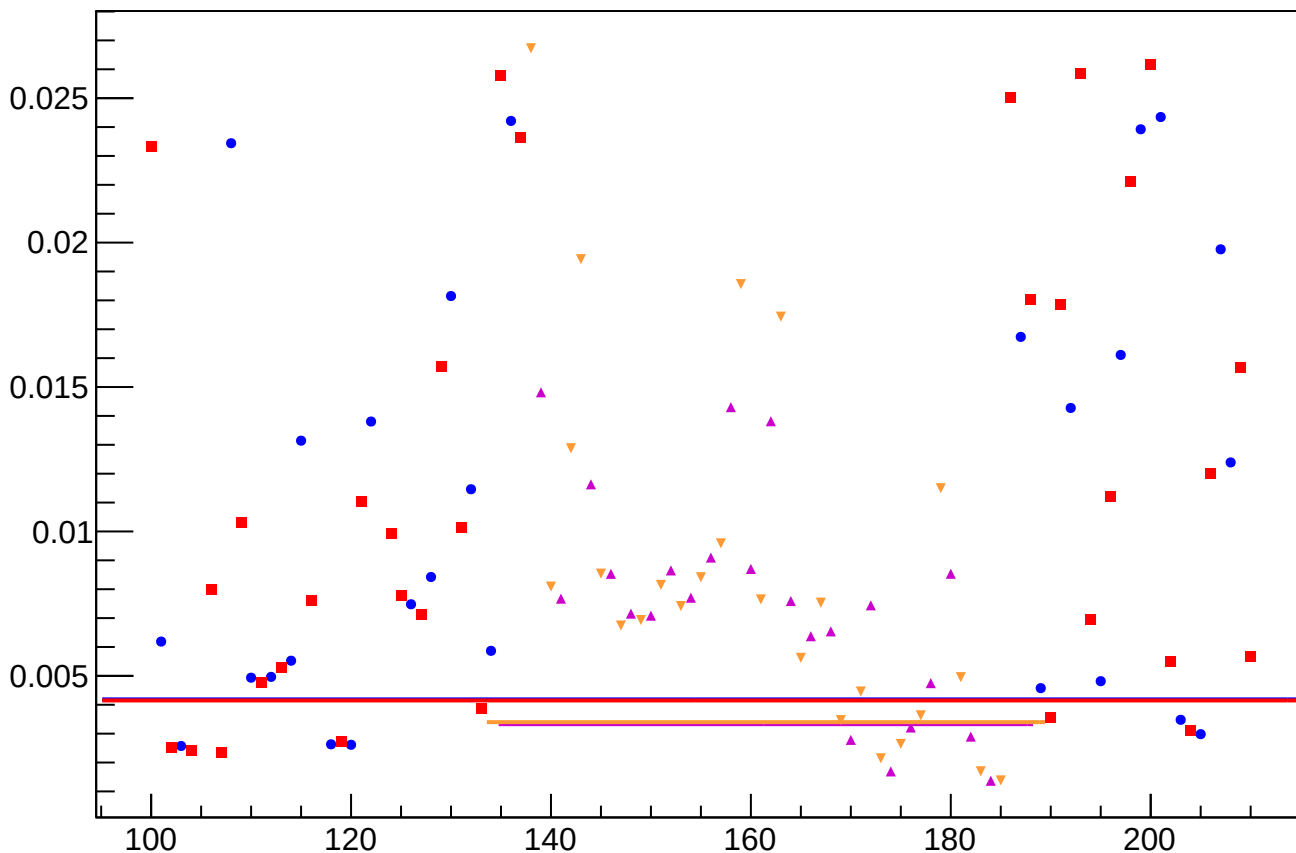
Left In: -0.000+/-0.000 χ^2/NDF : 18.8/22

+ sign -0.000+/-0.000 χ^2/NDF : 68.0/51

All: -0.000+/-0.000 χ^2/NDF : 127.0/107

- sign -0.000+/-0.000 χ^2/NDF : 58.4/55

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 11156257.4/26

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:14248948.0/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 13142469.3/32

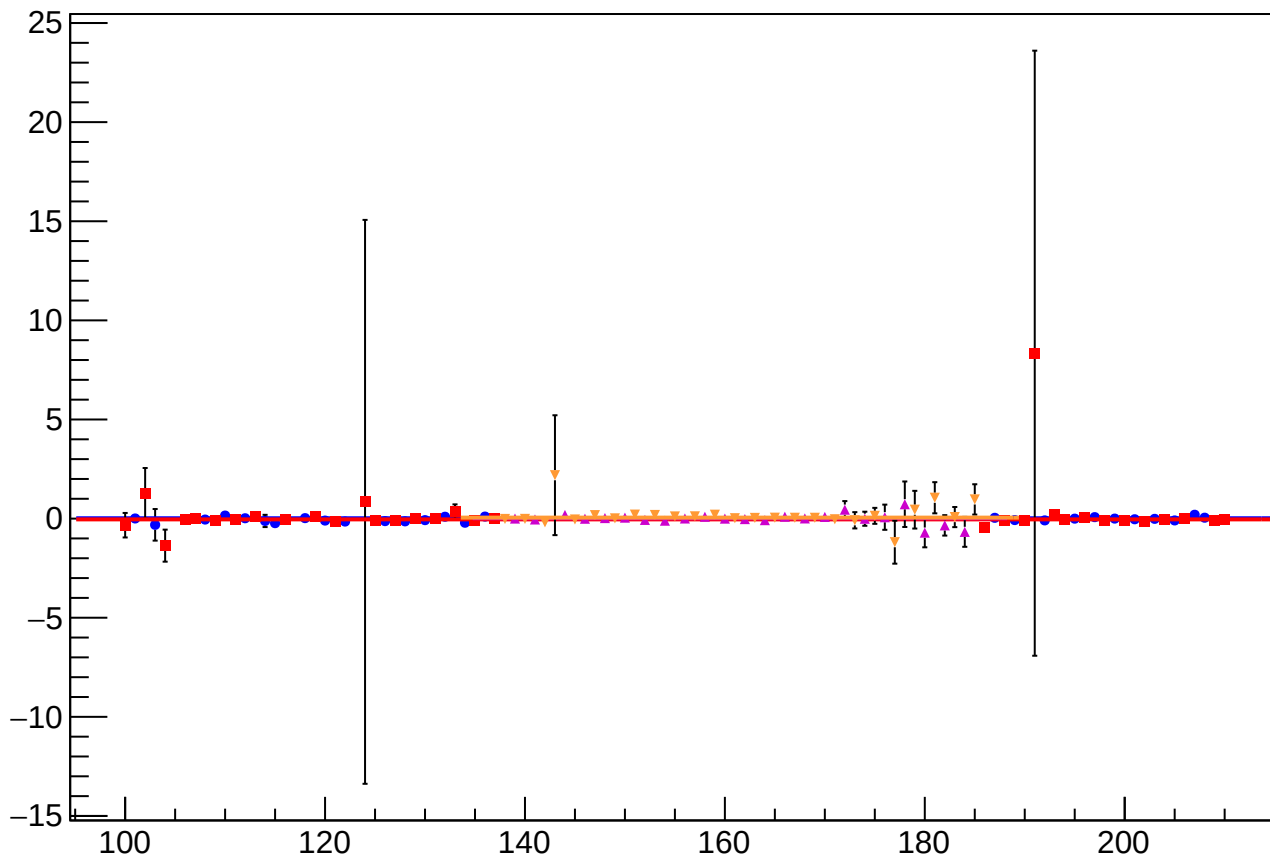
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:12566501.1/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 25814514.7/51

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 52020027.6/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 26205281.9/55

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018 ± 0.019 χ^2/NDF : 29.2/26

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.039 ± 0.018 χ^2/NDF : 25.5/32

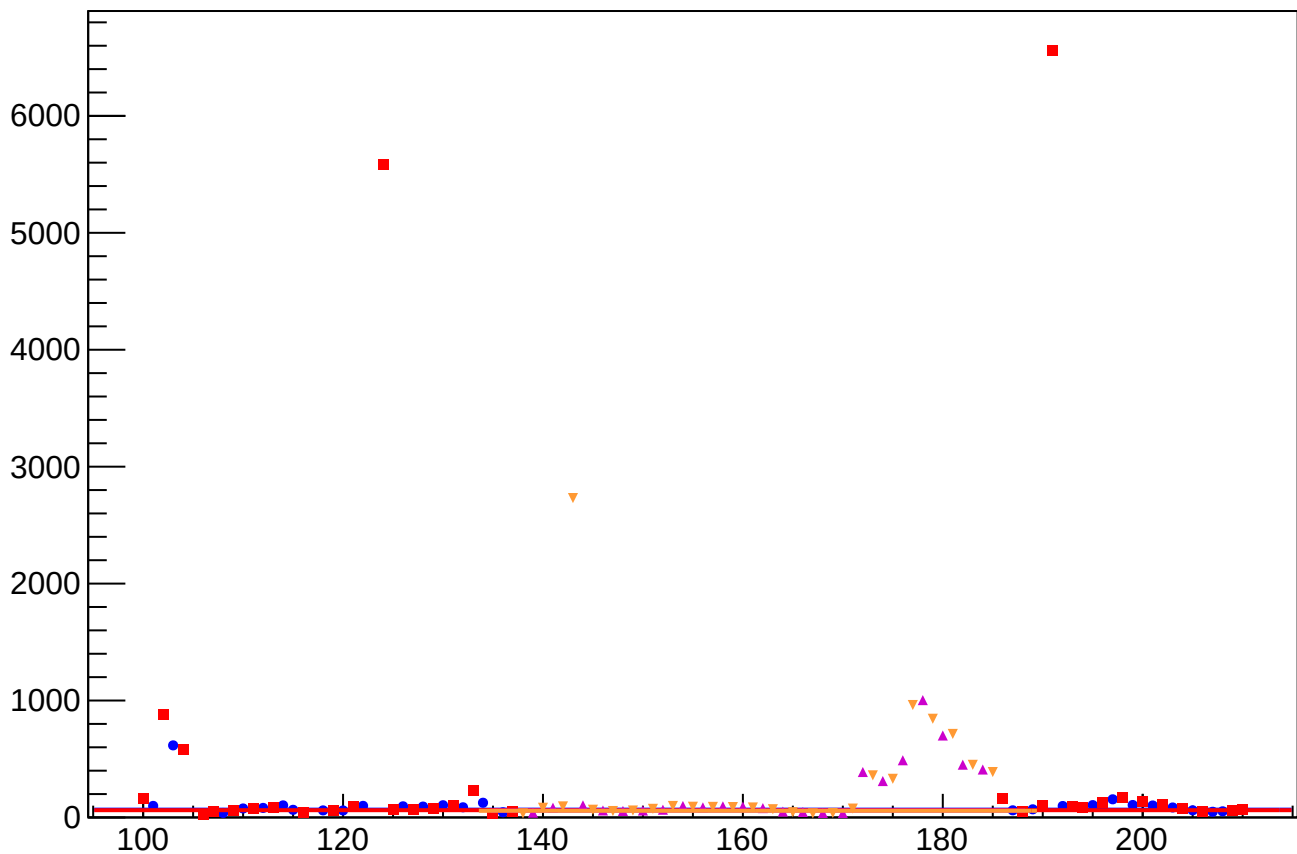
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.035 ± 0.013 χ^2/NDF : 55.2/51

All: 0.012 ± 0.009 χ^2/NDF : 108.3/107

- sign -0.009 ± 0.012 χ^2/NDF : 46.6/55

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.793+/-0.013 χ^2/NDF : 4202686.0/26

Left Out: 57.258+/-0.012 χ^2/NDF : 12321763.3/24

Right Out: 62.168+/-0.012 χ^2/NDF : 7281794.3/32

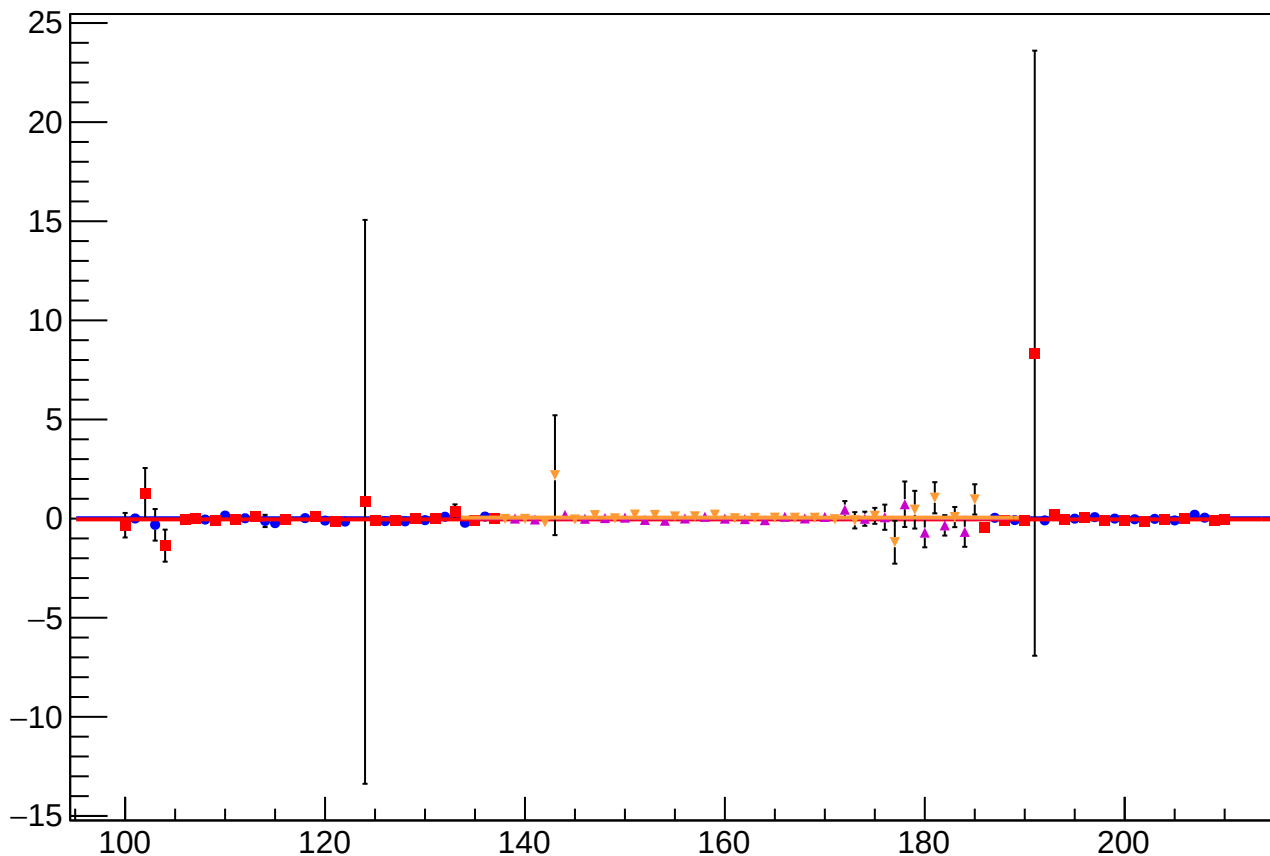
Left In: 58.582+/-0.012 χ^2/NDF : 10247153.8/22

+ sign 61.514+/-0.009 χ^2/NDF : 16804389.0/51

All: 60.904+/-0.006 χ^2/NDF : 34385115.9/107

- sign 60.334+/-0.009 χ^2/NDF : 17571755.9/55

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018 ± 0.019 χ^2/NDF : 29.2/26

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.039 ± 0.018 χ^2/NDF : 25.5/32

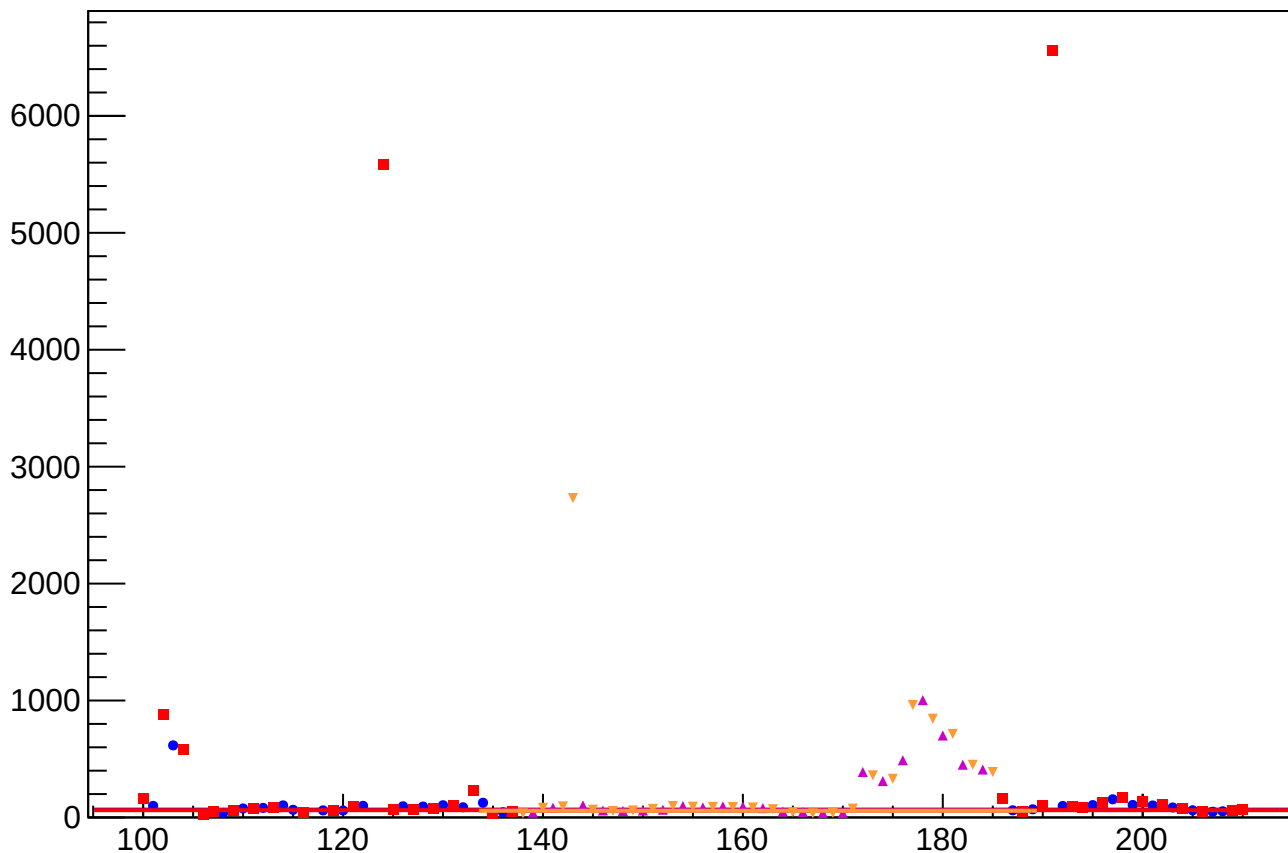
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.035 ± 0.013 χ^2/NDF : 55.2/51

All: 0.012 ± 0.009 χ^2/NDF : 108.3/107

- sign -0.009 ± 0.012 χ^2/NDF : 46.6/55

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.793+/-0.013 χ^2 /NDF: 4202686.0/26

Left Out: 57.258+/-0.012 χ^2 /NDF:12321763.3/24

Right Out: 62.168+/-0.012 χ^2 /NDF: 7281794.3/32

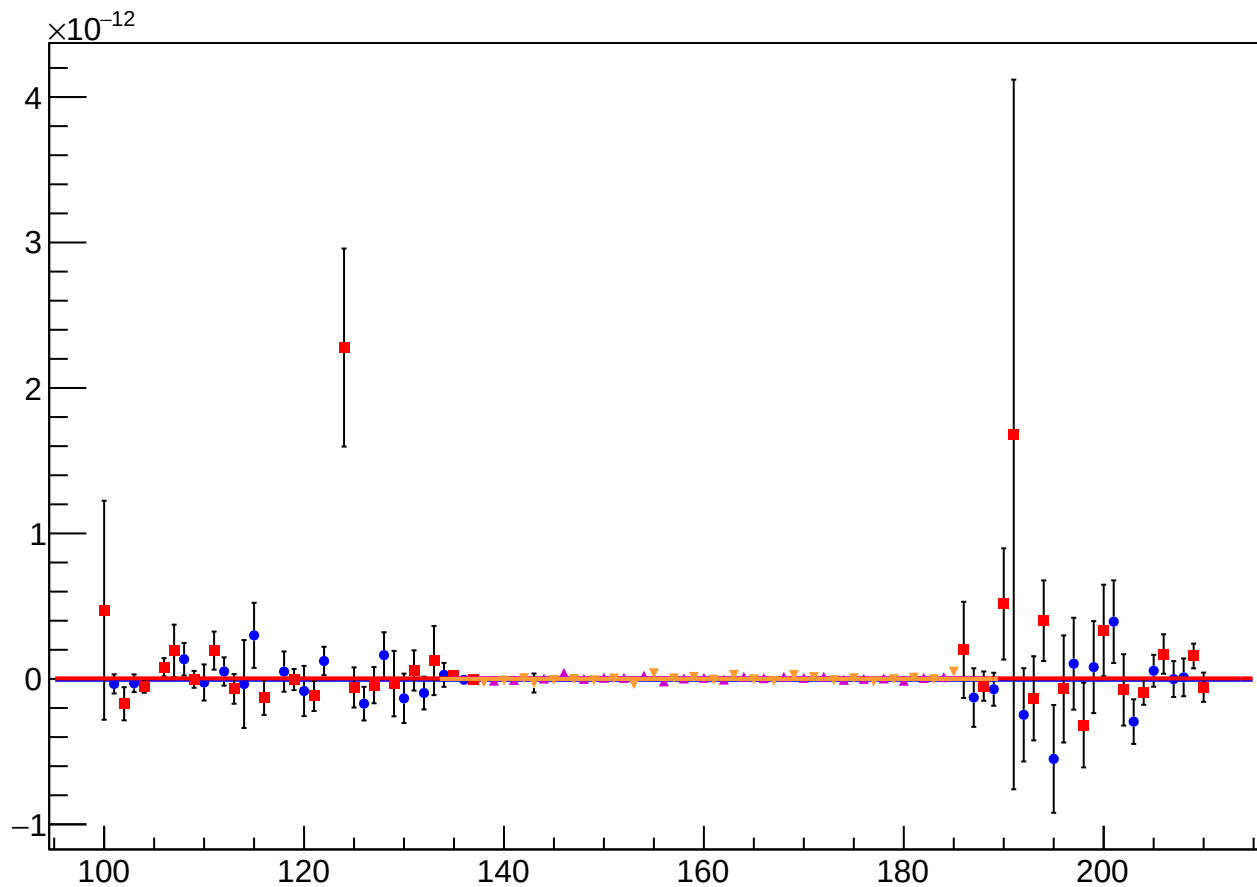
Left In: 58.582+/-0.012 χ^2 /NDF:10247153.8/22

+ sign 61.514+/-0.009 χ^2 /NDF: 16804389.0/51

All: 60.904+/-0.006 χ^2 /NDF: 34385115.9/107

- sign 60.334+/-0.009 χ^2 /NDF: 17571755.9/55

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 20.3/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 18.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.1/32

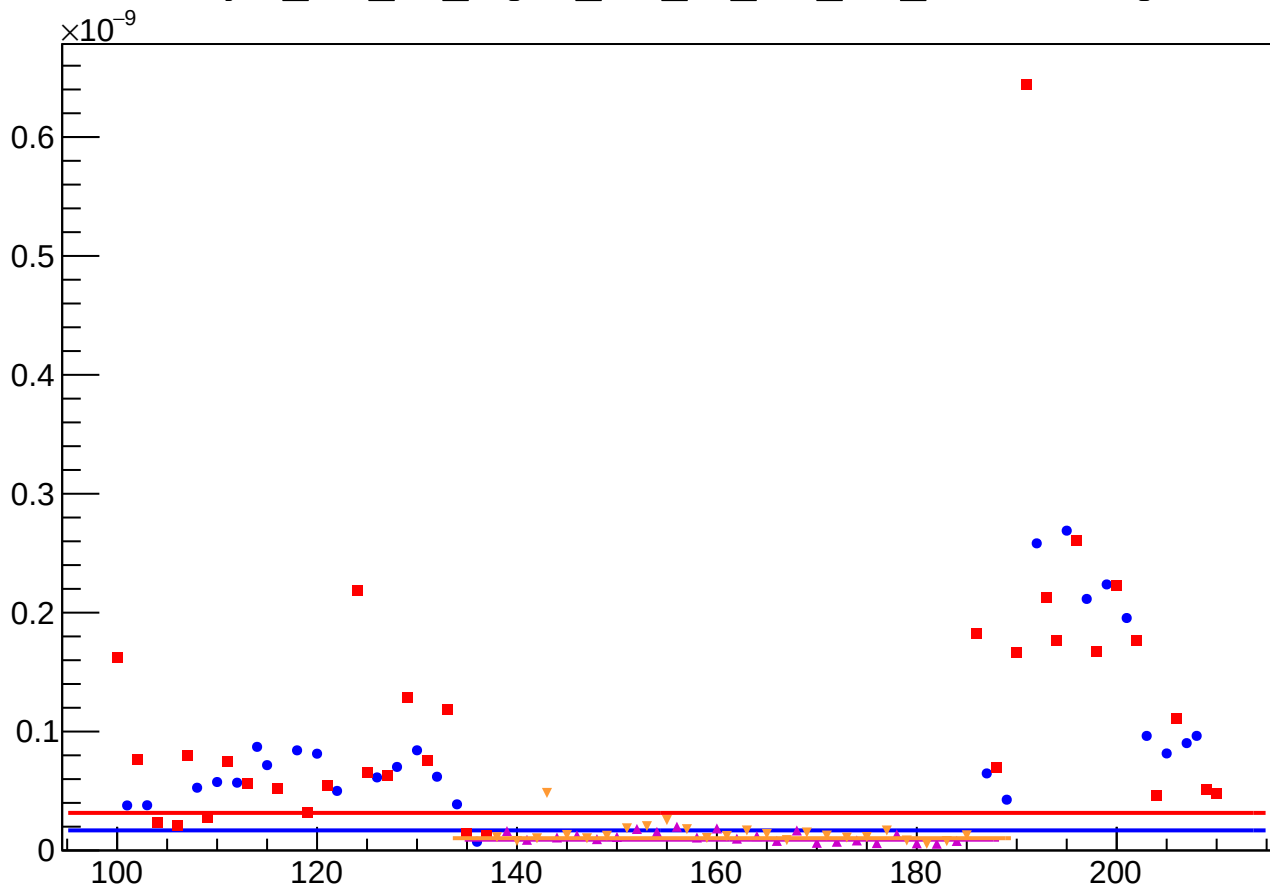
Left In: 0.000 ± 0.000 χ^2/NDF : 15.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 39.4/51

All: 0.000 ± 0.000 χ^2/NDF : 94.9/107

- sign 0.000 ± 0.000 χ^2/NDF : 54.5/55

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12586563.0/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9918144.7/32

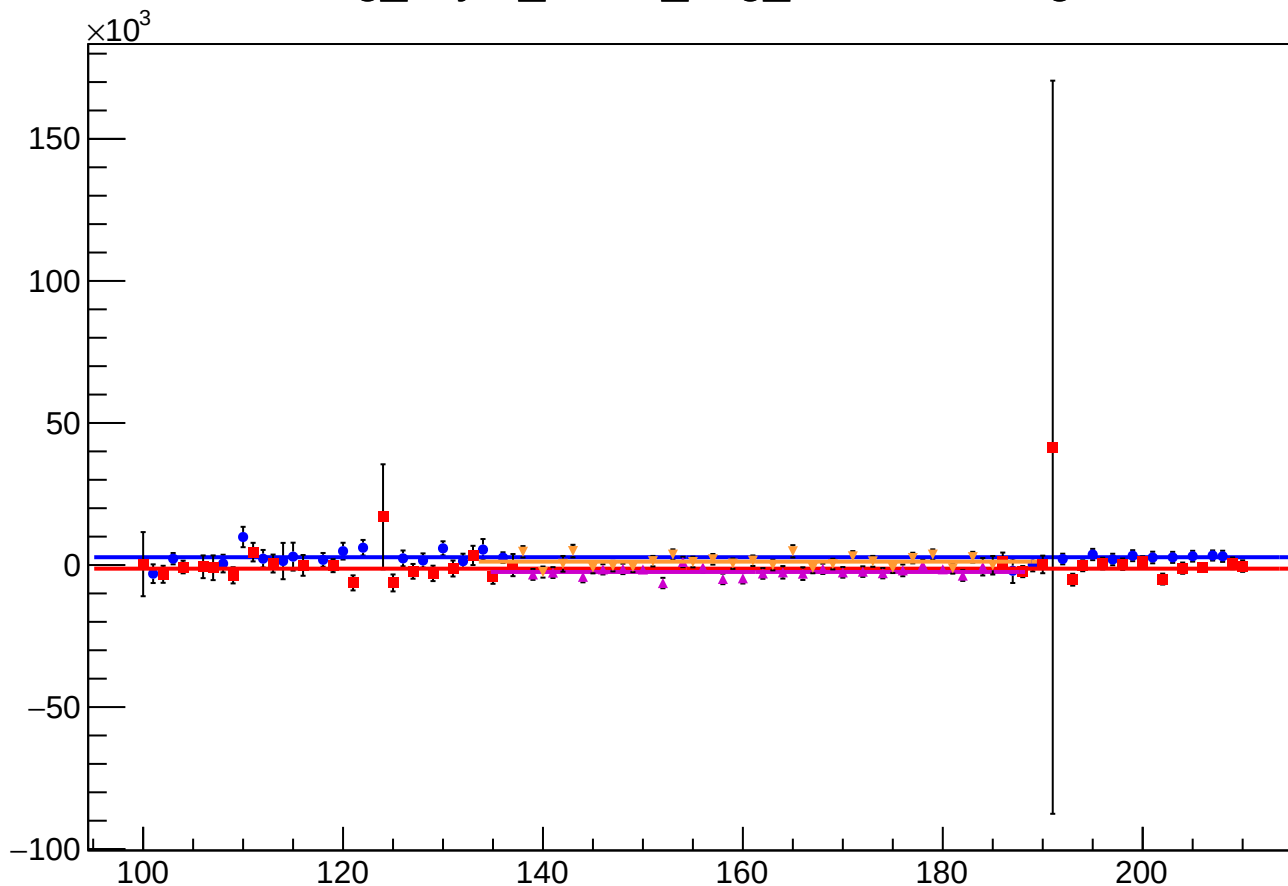
Left In: 0.000+/-0.000 χ^2/NDF : 3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 17011716.6/51

All: 0.000+/-0.000 χ^2/NDF : 35001163.5/107

- sign 0.000+/-0.000 χ^2/NDF : 17878517.6/55

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2748.567 ± 461.525 χ^2/NDF : 15.6/26

Left Out: 1202.401 ± 389.137 χ^2/NDF : 26.3/24

Right Out: -1279.500 ± 443.197 χ^2/NDF : 28.9/32

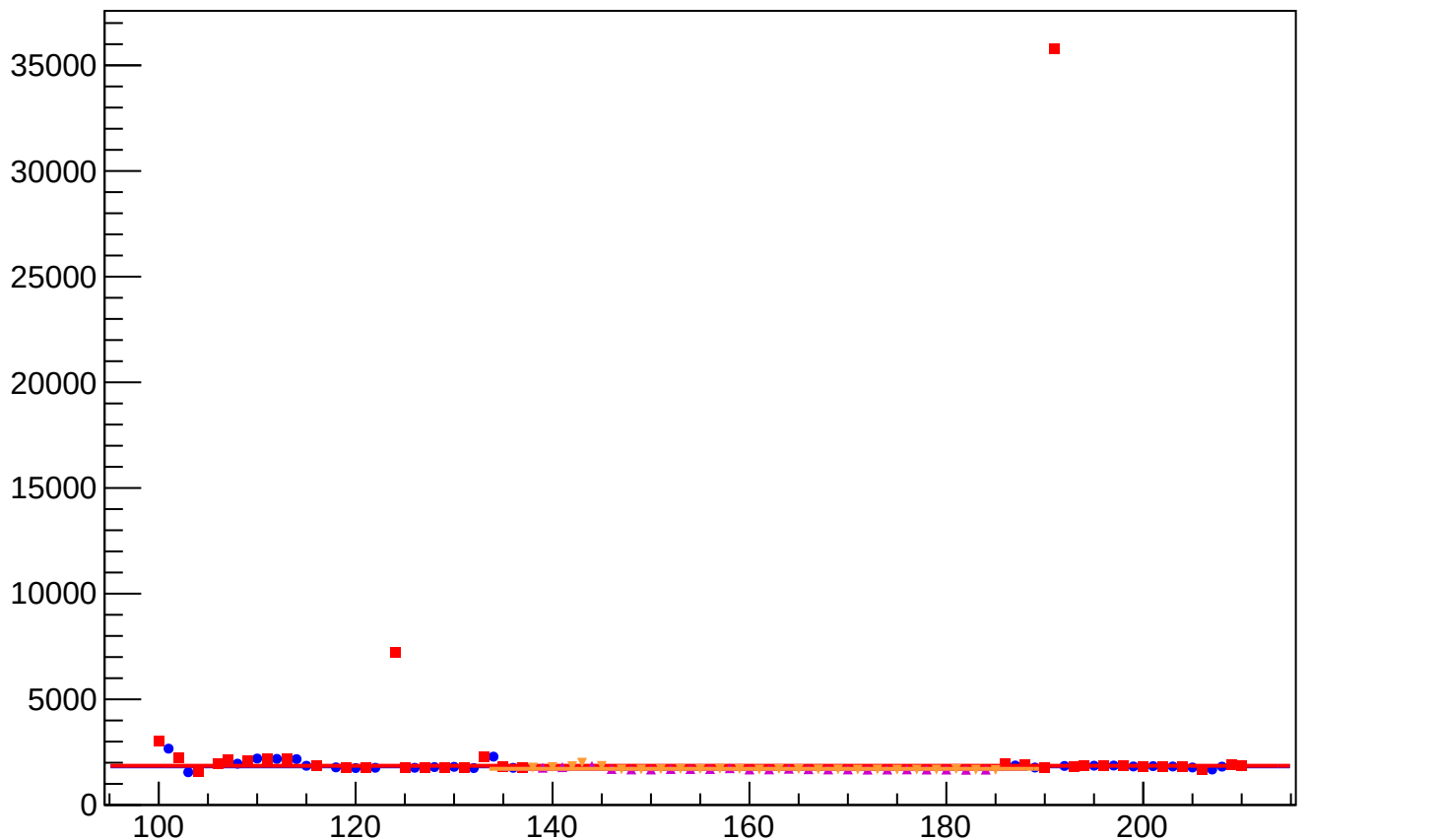
Left In: -2439.008 ± 397.969 χ^2/NDF : 17.5/22

+ sign 1844.857 ± 297.501 χ^2/NDF : 48.4/51

All: -47.110 ± 209.871 χ^2/NDF : 179.1/107

- sign -1921.419 ± 296.110 χ^2/NDF : 50.2/55

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1829.130+/-0.326 χ^2/NDF : 284407.9/26

Left Out: 1711.777+/-0.275 χ^2/NDF : 60068.7/24

Right Out: 1856.127+/-0.313 χ^2/NDF : 543224.7/32

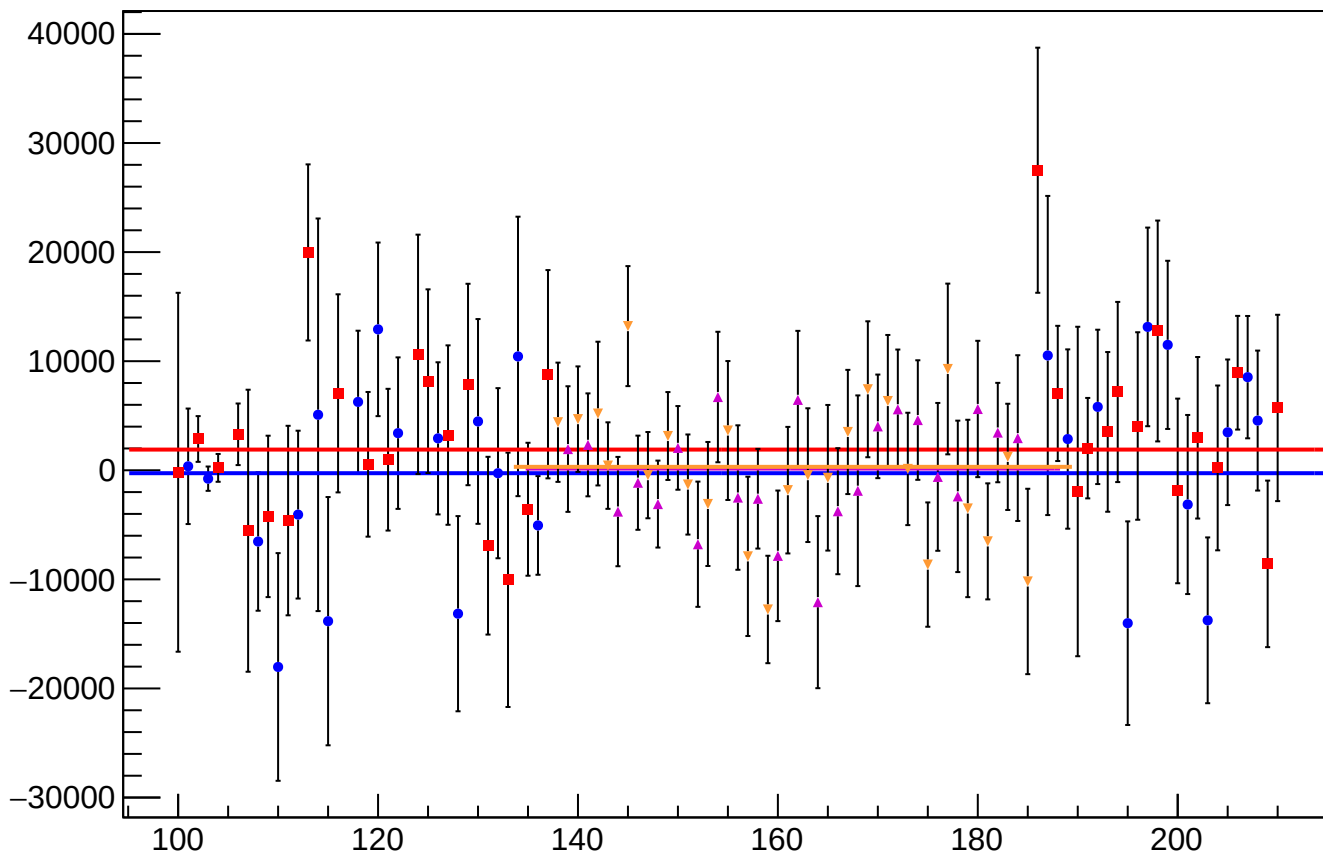
Left In: 1703.969+/-0.281 χ^2/NDF : 22568.8/22

+ sign 1760.539+/-0.210 χ^2/NDF : 420055.6/51

All: 1766.278+/-0.148 χ^2/NDF : 1117968.9/10

- sign 1771.959+/-0.209 χ^2/NDF : 696432.1/55

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -268.068 ± 887.691 χ^2/NDF : 28.9/26

Left Out: 314.051 ± 1091.976 χ^2/NDF : 27.0/24

Right Out: 1897.160 ± 830.000 χ^2/NDF : 26.2/32

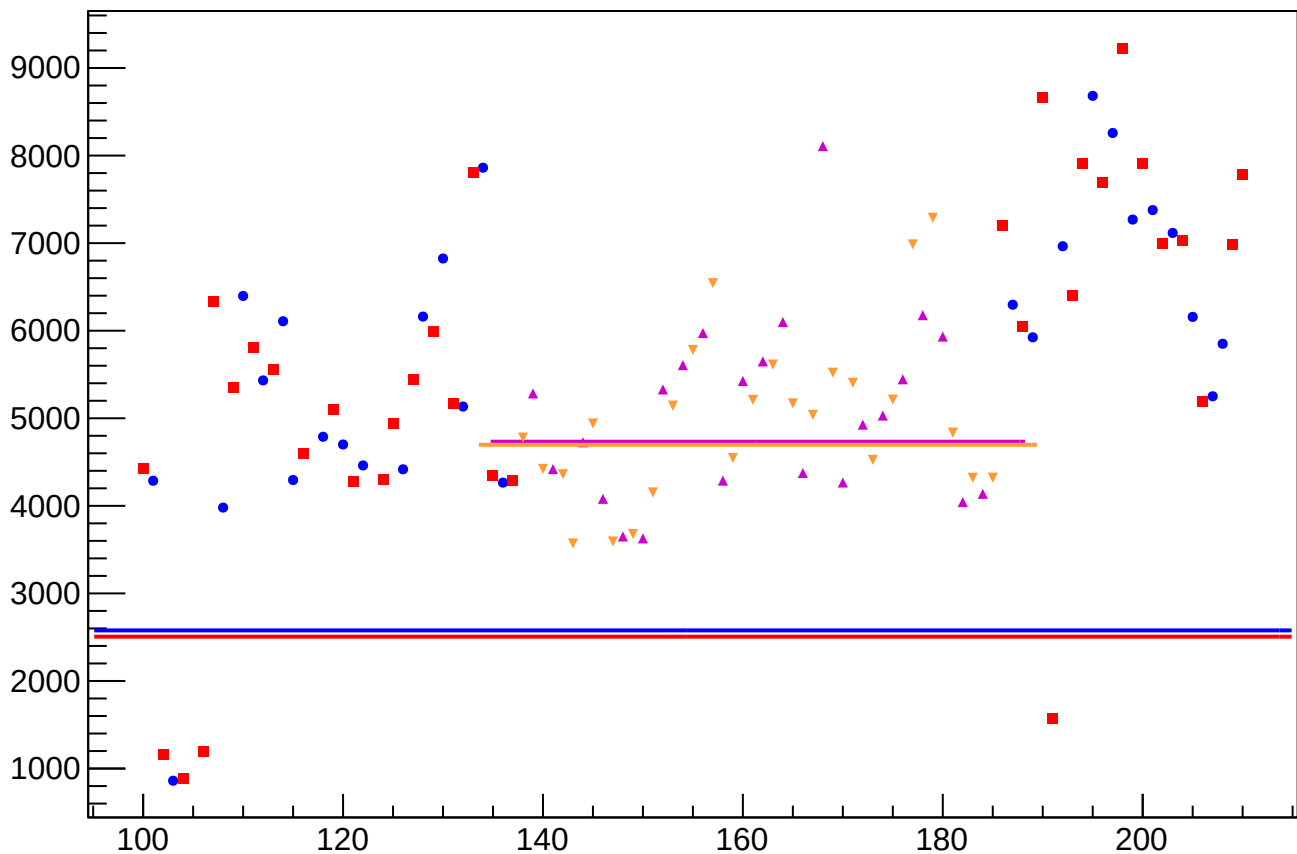
Left In: 157.968 ± 1128.443 χ^2/NDF : 14.7/22

+ sign -36.445 ± 688.807 χ^2/NDF : 56.1/51

All: 644.743 ± 479.762 χ^2/NDF : 100.5/107

- sign 1286.581 ± 668.616 χ^2/NDF : 42.4/55

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2577.523+/-0.628 χ^2/NDF : 14493928.6/26

Left Out: 4697.622+/-0.772 χ^2/NDF :1239373.0/24

Right Out: 2506.137+/-0.587 χ^2/NDF : 16443486.1/32

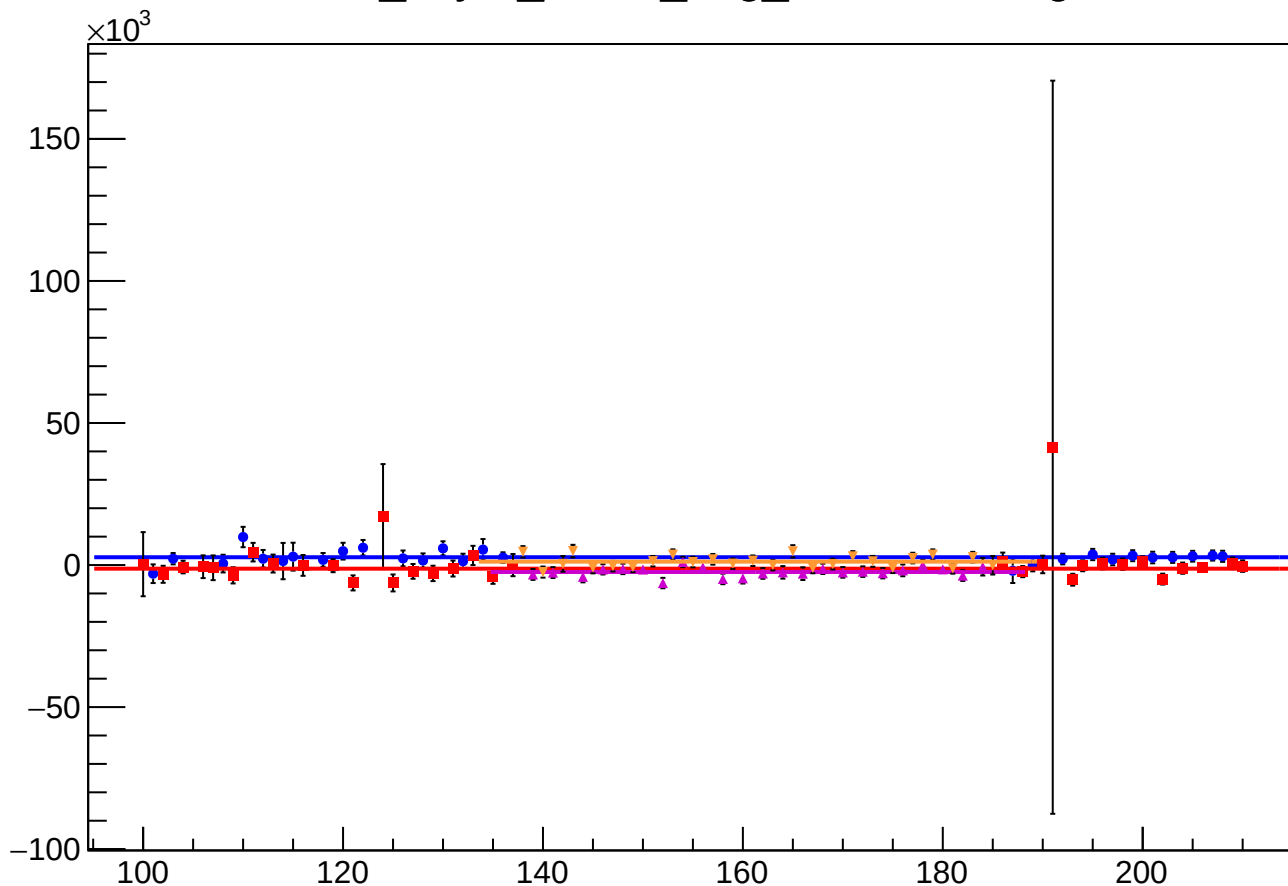
Left In: 4732.424+/-0.798 χ^2/NDF :1242793.9/22

+ sign 3421.102+/-0.487 χ^2/NDF : 20272590.2/51

All: 3352.427+/-0.339 χ^2/NDF : 43049102.4/100

- sign 3287.720+/-0.473 χ^2/NDF : 22737899.8/55

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2748.725 ± 461.525 χ^2/NDF : 15.6/26

Left Out: 1202.304 ± 389.137 χ^2/NDF : 26.3/24

Right Out: -1279.009 ± 443.198 χ^2/NDF : 28.9/32

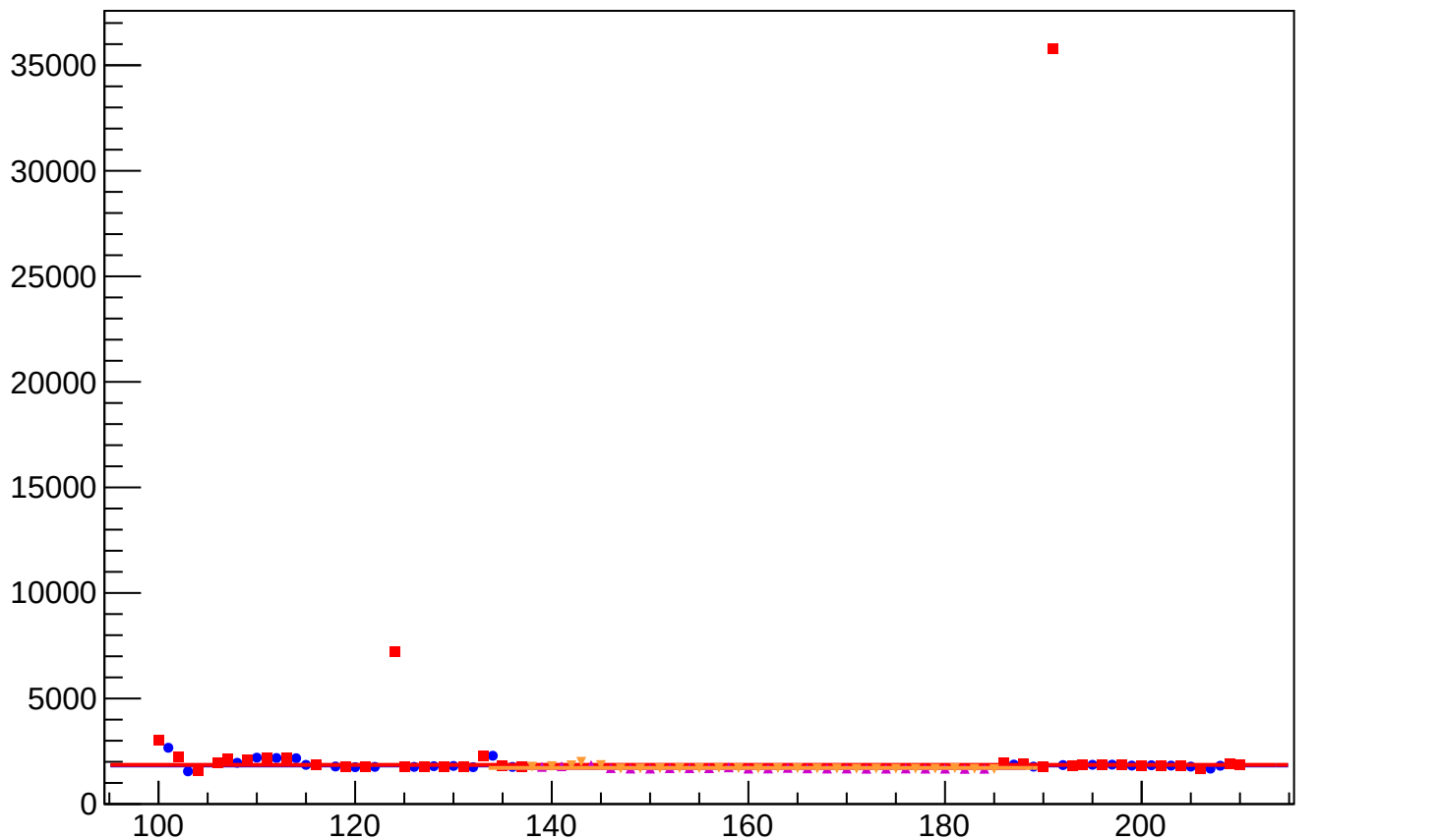
Left In: -2438.940 ± 397.969 χ^2/NDF : 17.5/22

+ sign 1844.866 ± 297.501 χ^2/NDF : 48.5/51

All: -46.976 ± 209.871 χ^2/NDF : 179.1/107

- sign -1921.163 ± 296.110 χ^2/NDF : 50.2/55

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1829.130+/-0.326 χ^2/NDF : 284407.8/26

Left Out: 1711.777+/-0.275 χ^2/NDF : 60068.7/24

Right Out: 1856.301+/-0.313 χ^2/NDF : 543594.7/32

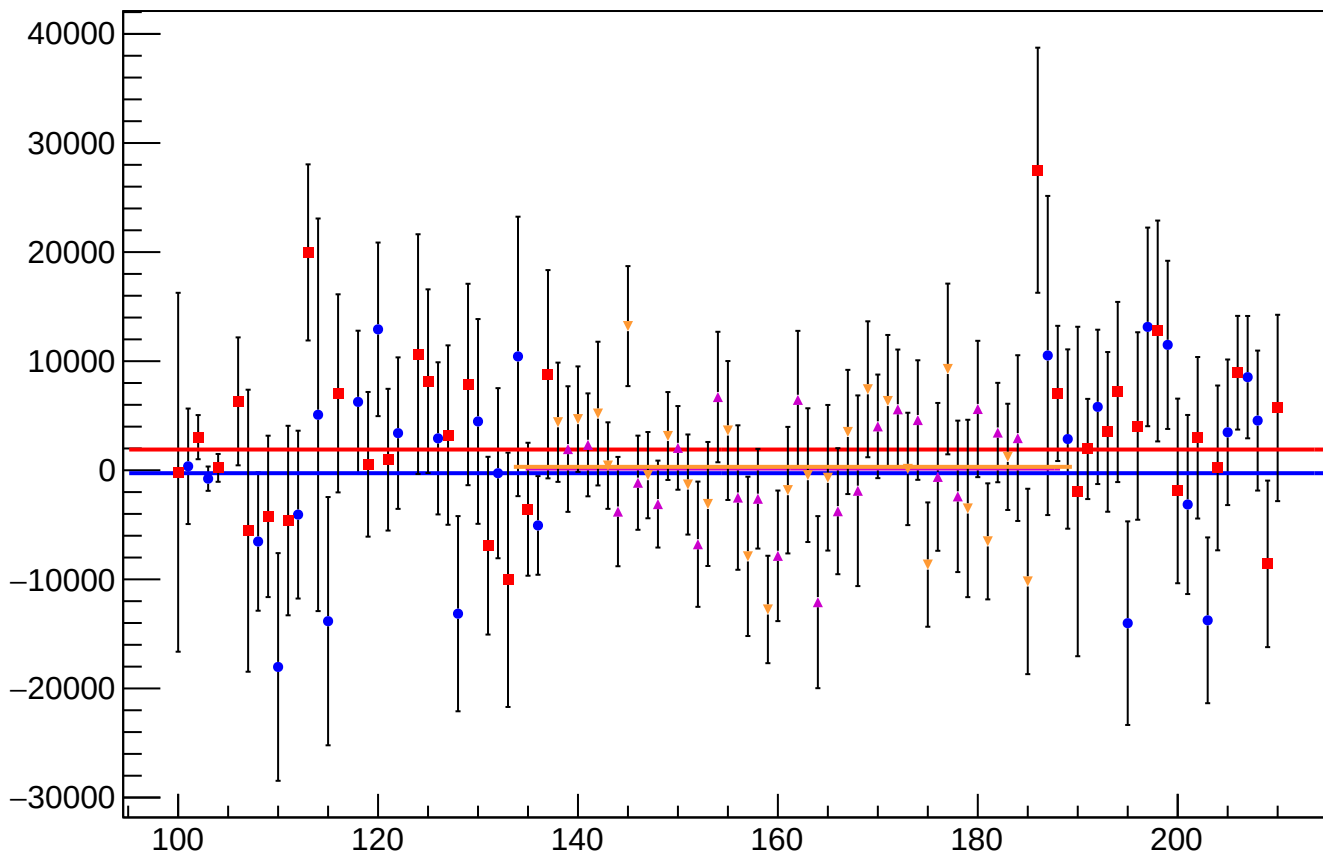
Left In: 1703.969+/-0.281 χ^2/NDF : 22568.8/22

+ sign 1760.539+/-0.210 χ^2/NDF : 420055.5/51

All: 1766.314+/-0.148 χ^2/NDF : 1118643.8/10

- sign 1772.030+/-0.209 χ^2/NDF : 697088.7/55

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -267.687 ± 887.650 $\chi^2/\text{NDF}: 28.9/26$

Left Out: 314.084 ± 1091.975 $\chi^2/\text{NDF}: 27.0/24$

Right Out: 1901.234 ± 853.687 $\chi^2/\text{NDF}: 26.6/32$

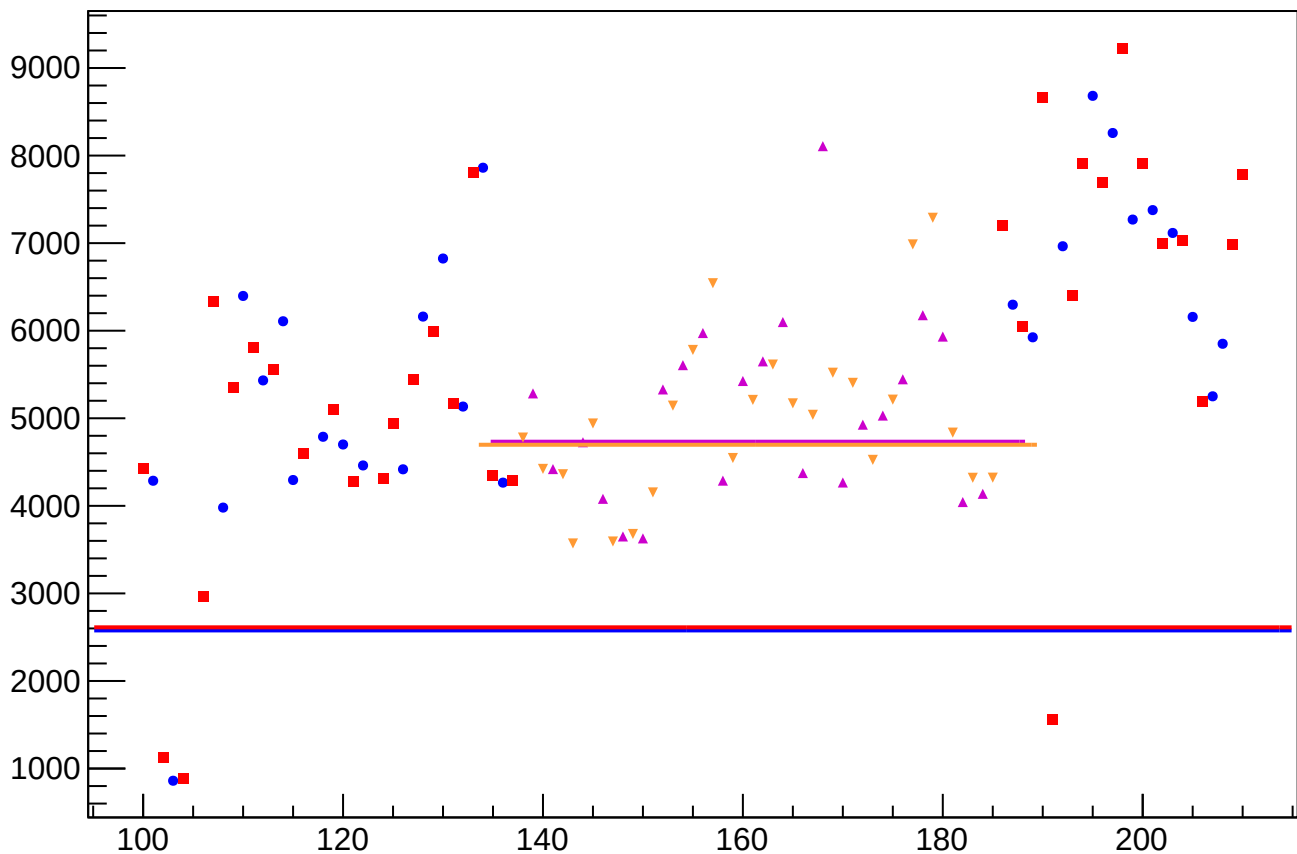
Left In: 157.977 ± 1128.443 $\chi^2/\text{NDF}: 14.7/22$

+ sign -36.216 ± 688.788 $\chi^2/\text{NDF}: 56.1/51$

All: 622.825 ± 484.203 $\chi^2/\text{NDF}: 100.8/107$

- sign 1266.695 ± 680.814 $\chi^2/\text{NDF}: 42.8/55$

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2577.326 $\pm$ 0.628 χ^2 /NDF: 14494939.1/26

Left Out: 4697.618 $\pm$ 0.772 χ^2 /NDF:1239387.1/24

Right Out: 2612.583 $\pm$ 0.604 χ^2 /NDF: 16104022.9/32

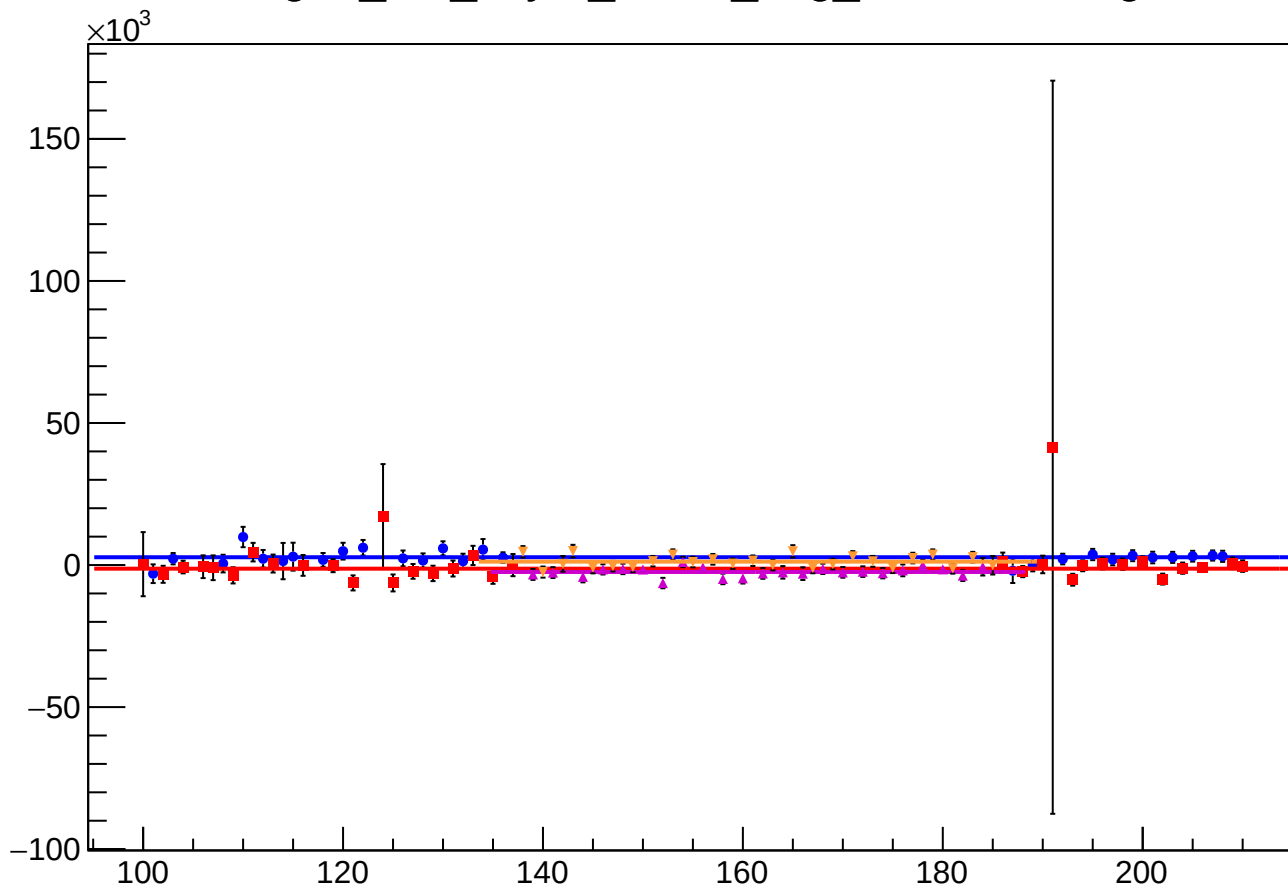
Left In: 4732.421 $\pm$ 0.798 χ^2 /NDF:1242809.3/22

+ sign 3420.934 $\pm$ 0.487 χ^2 /NDF: 20274616.6/51

All: 3402.351 $\pm$ 0.342 χ^2 /NDF: 42113182.0/100

- sign 3384.197 $\pm$ 0.481 χ^2 /NDF: 21835687.5/55

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2748.725 $\pm$ 461.525 χ^2/NDF : 15.6/26

Left Out: 1202.304 $\pm$ 389.137 χ^2/NDF : 26.3/24

Right Out: -1279.009 $\pm$ 443.198 χ^2/NDF : 28.9/32

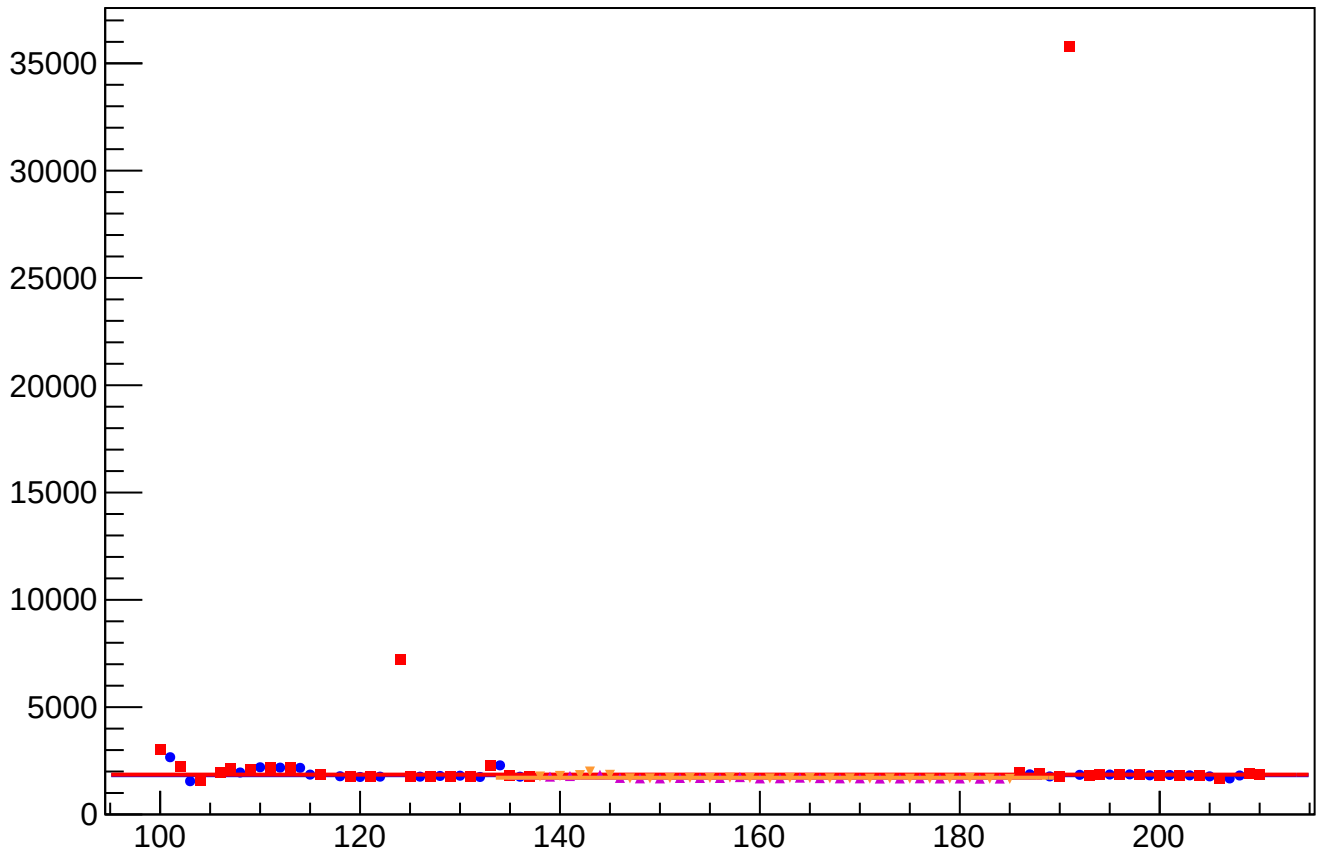
Left In: -2438.940 $\pm$ 397.969 χ^2/NDF : 17.5/22

+ sign 1844.866 $\pm$ 297.501 χ^2/NDF : 48.5/51

All: -46.976 $\pm$ 209.871 χ^2/NDF : 179.1/107

- sign -1921.163 $\pm$ 296.110 χ^2/NDF : 50.2/55

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1829.130+/-0.326 χ^2/NDF : 284407.8/26

Left Out: 1711.777+/-0.275 χ^2/NDF : 60068.7/24

Right Out: 1856.301+/-0.313 χ^2/NDF : 543594.7/32

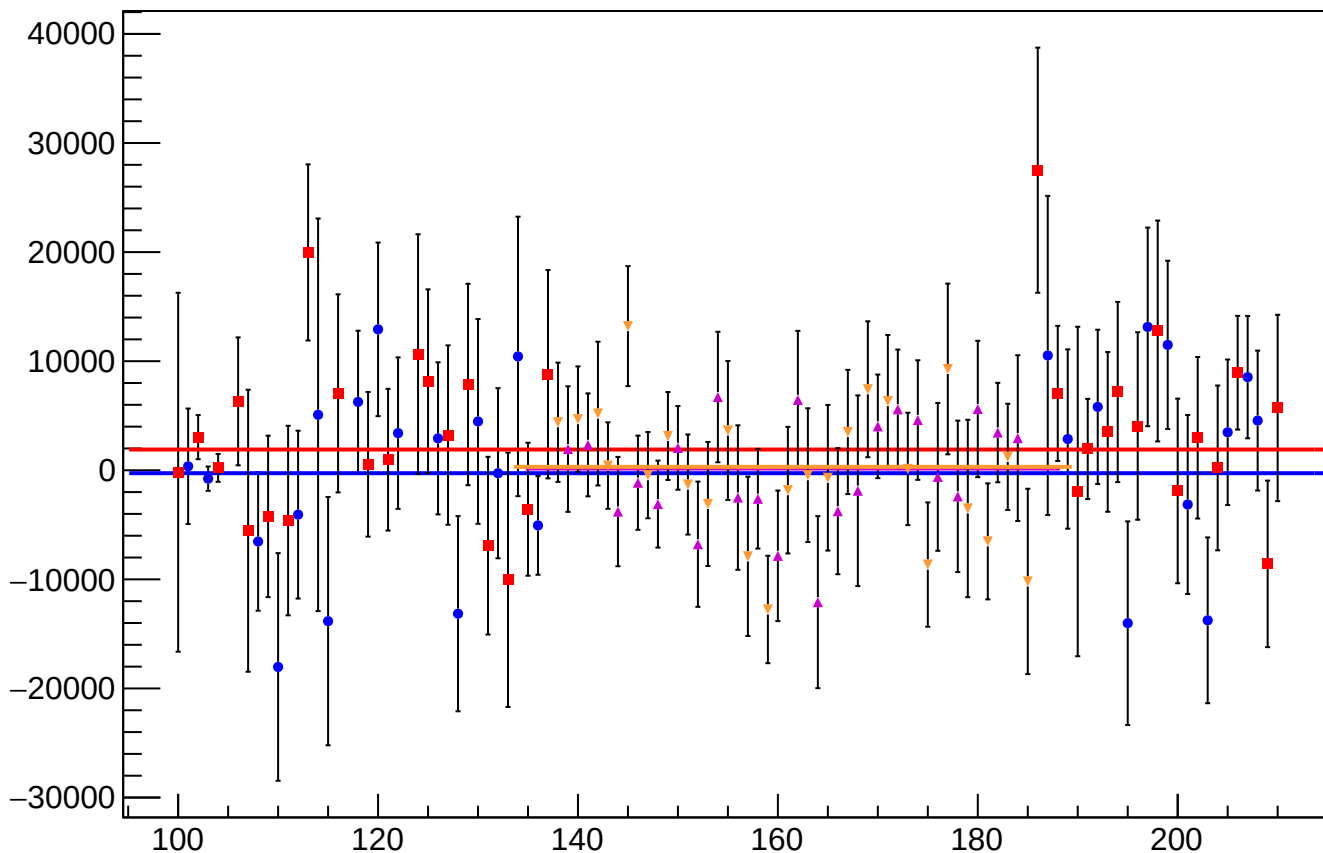
Left In: 1703.969+/-0.281 χ^2/NDF : 22568.8/22

+ sign 1760.539+/-0.210 χ^2/NDF : 420055.5/51

All: 1766.314+/-0.148 χ^2/NDF : 1118643.8/10

- sign 1772.030+/-0.209 χ^2/NDF : 697088.7/55

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -267.687 ± 887.650 χ^2/NDF : 28.9/26

Left Out: 314.084 ± 1091.975 χ^2/NDF : 27.0/24

Right Out: 1901.234 ± 853.687 χ^2/NDF : 26.6/32

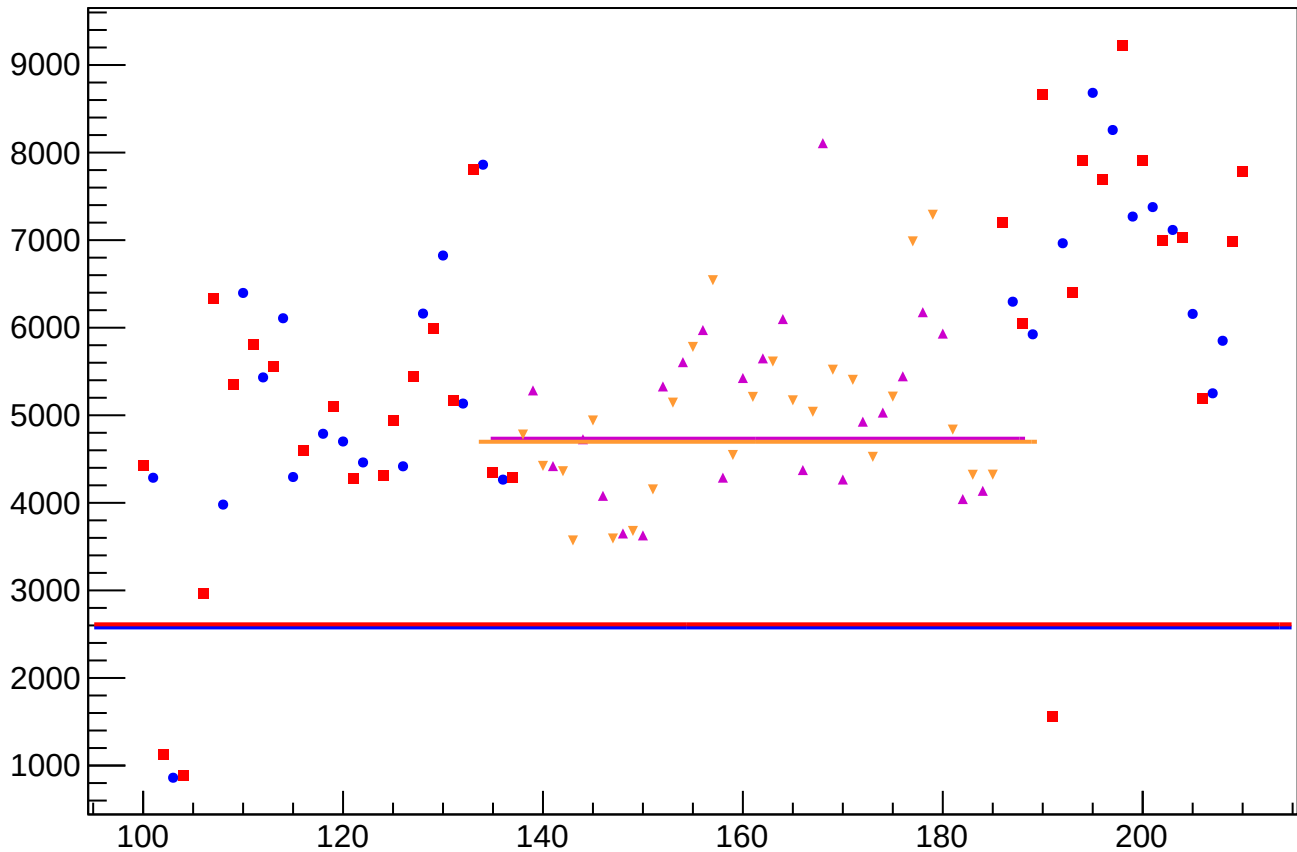
Left In: 157.977 ± 1128.443 χ^2/NDF : 14.7/22

+ sign -36.216 ± 688.788 χ^2/NDF : 56.1/51

All: 622.825 ± 484.203 χ^2/NDF : 100.8/107

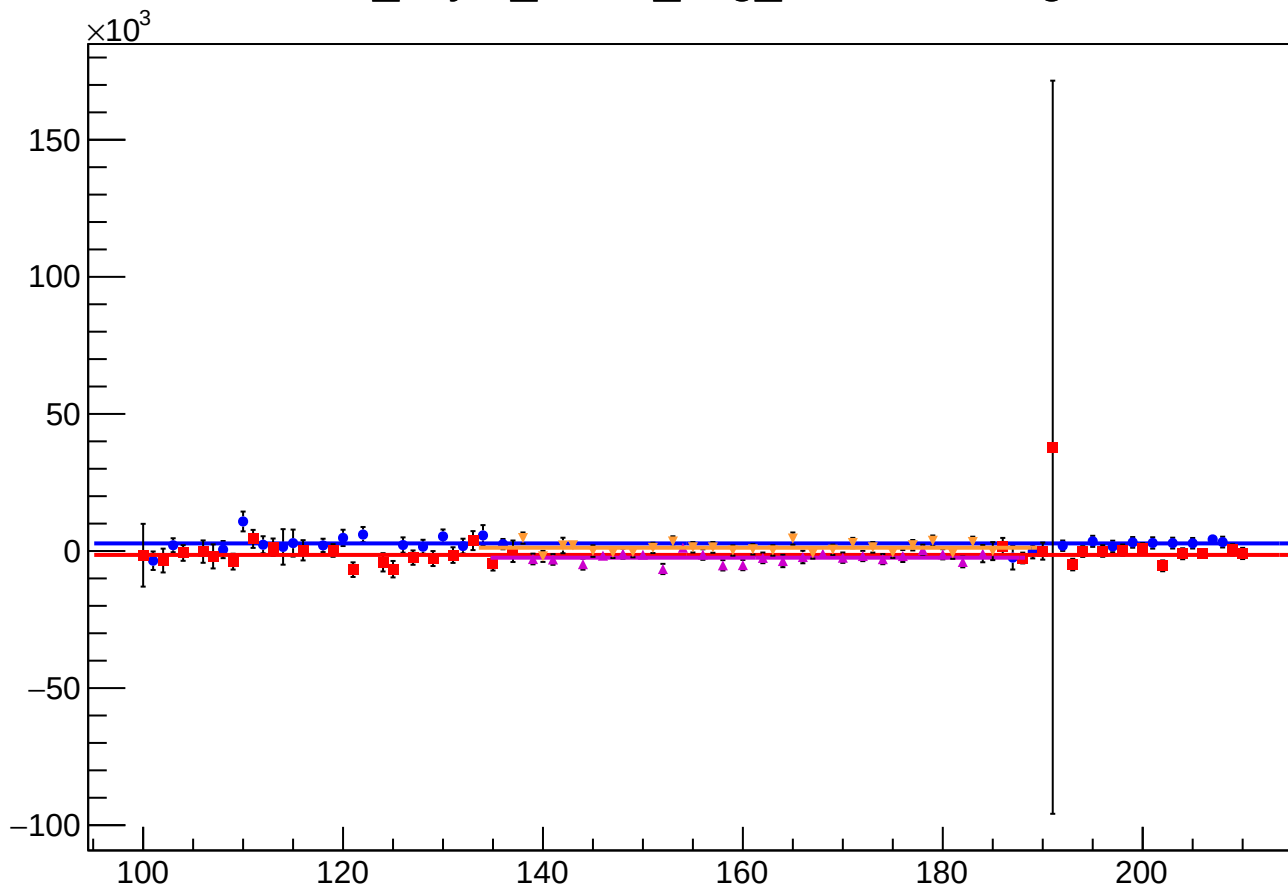
- sign 1266.695 ± 680.814 χ^2/NDF : 42.8/55

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 2577.326+/-0.628	χ^2/NDF : 14494939.1/26	+ sign 3420.934+/-0.487	χ^2/NDF : 20274616.6/51
Left Out: 4697.618+/-0.772	χ^2/NDF : 1239387.1/24	All: 3402.351+/-0.342	χ^2/NDF : 42113182.0/1
Right Out: 2612.583+/-0.604	χ^2/NDF : 16104022.9/32	- sign 3384.197+/-0.481	χ^2/NDF : 21835687.5/55
Left In: 4732.421+/-0.798	χ^2/NDF : 1242809.3/22		

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2774.206 ± 471.889 χ^2/NDF : 17.3/26

Left Out: 1197.362 ± 392.981 χ^2/NDF : 19.5/24

Right Out: -1425.865 ± 450.794 χ^2/NDF : 30.3/32

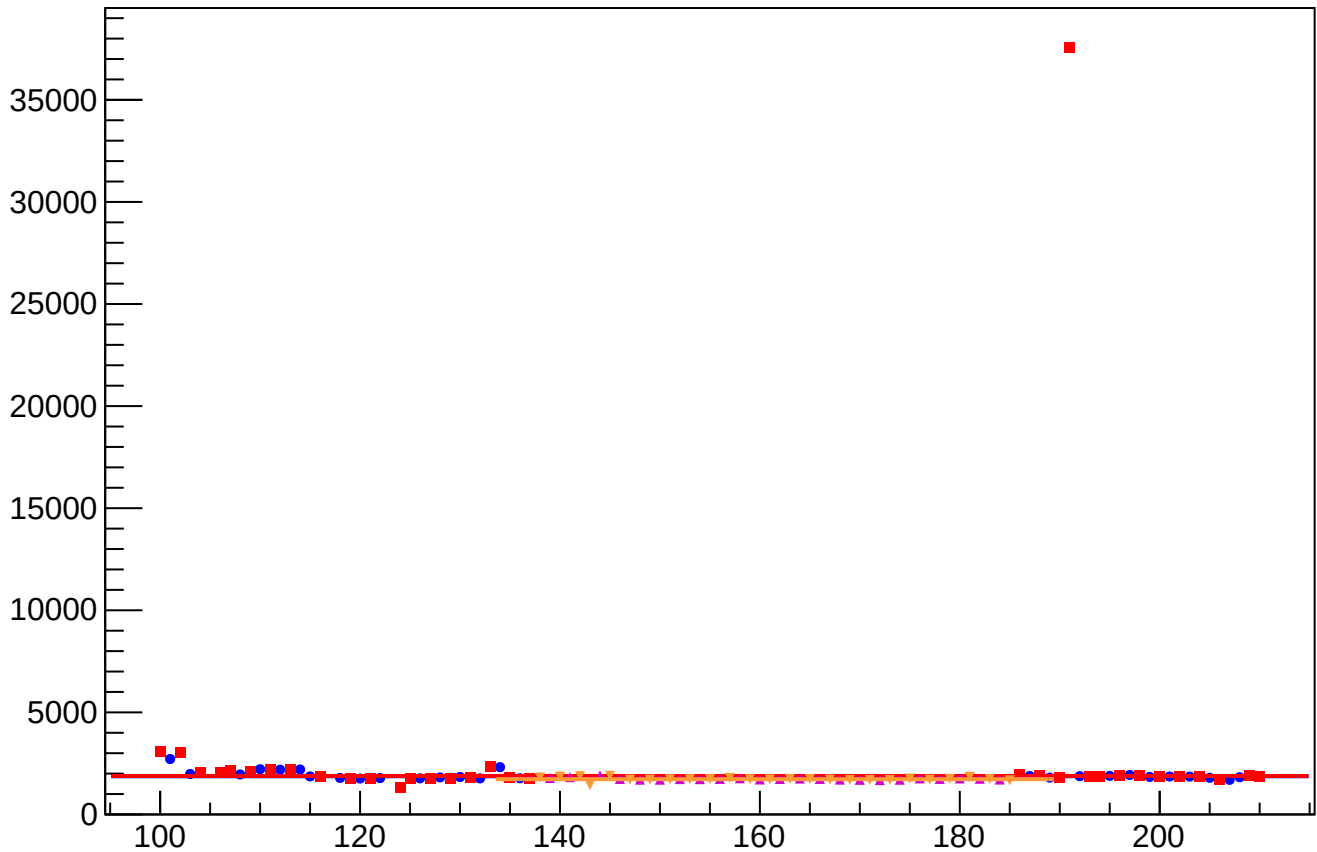
Left In: -2438.062 ± 407.551 χ^2/NDF : 20.6/22

+ sign 1843.106 ± 301.978 χ^2/NDF : 43.4/51

All: -67.715 ± 213.651 χ^2/NDF : 177.3/107

- sign -1982.827 ± 302.317 χ^2/NDF : 53.7/55

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1870.534 $\pm$ 0.334 χ^2 /NDF: 251626.4/26

Left Out: 1727.235 $\pm$ 0.278 χ^2 /NDF: 110270.9/24

Right Out: 1884.840 $\pm$ 0.319 χ^2 /NDF: 520954.7/32

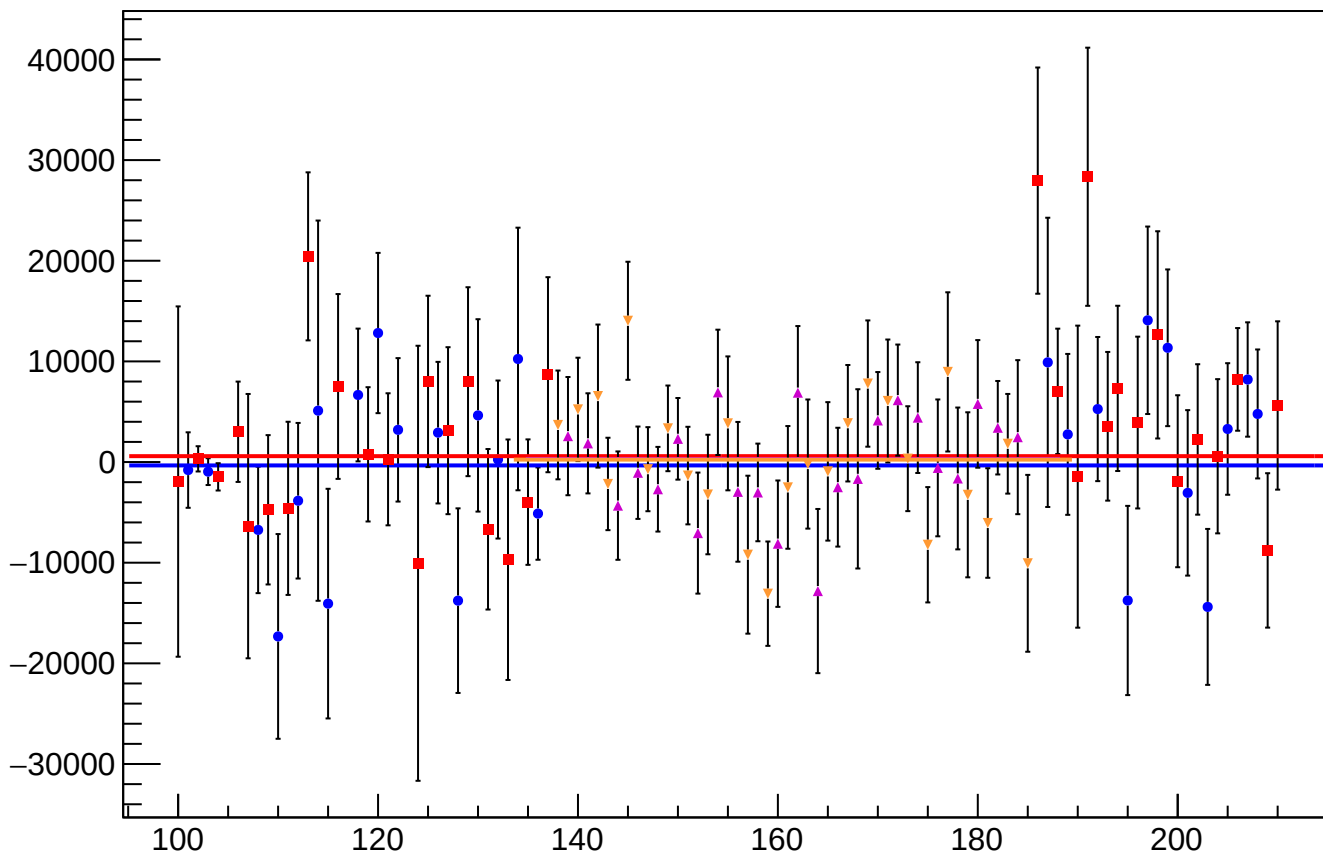
Left In: 1744.633 $\pm$ 0.288 χ^2 /NDF: 26798.0/22

+ sign 1785.918 $\pm$ 0.214 χ^2 /NDF: 470801.0/51

All: 1796.805 $\pm$ 0.151 χ^2 /NDF: 1130252.0/10

- sign 1807.713 $\pm$ 0.214 χ^2 /NDF: 654247.2/55

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -336.073+/-971.705 χ^2/NDF : 28.8/26

Left Out: 241.131+/-1140.961 χ^2/NDF : 26.7/24

Right Out: 585.066+/-778.275 χ^2/NDF : 32.8/32

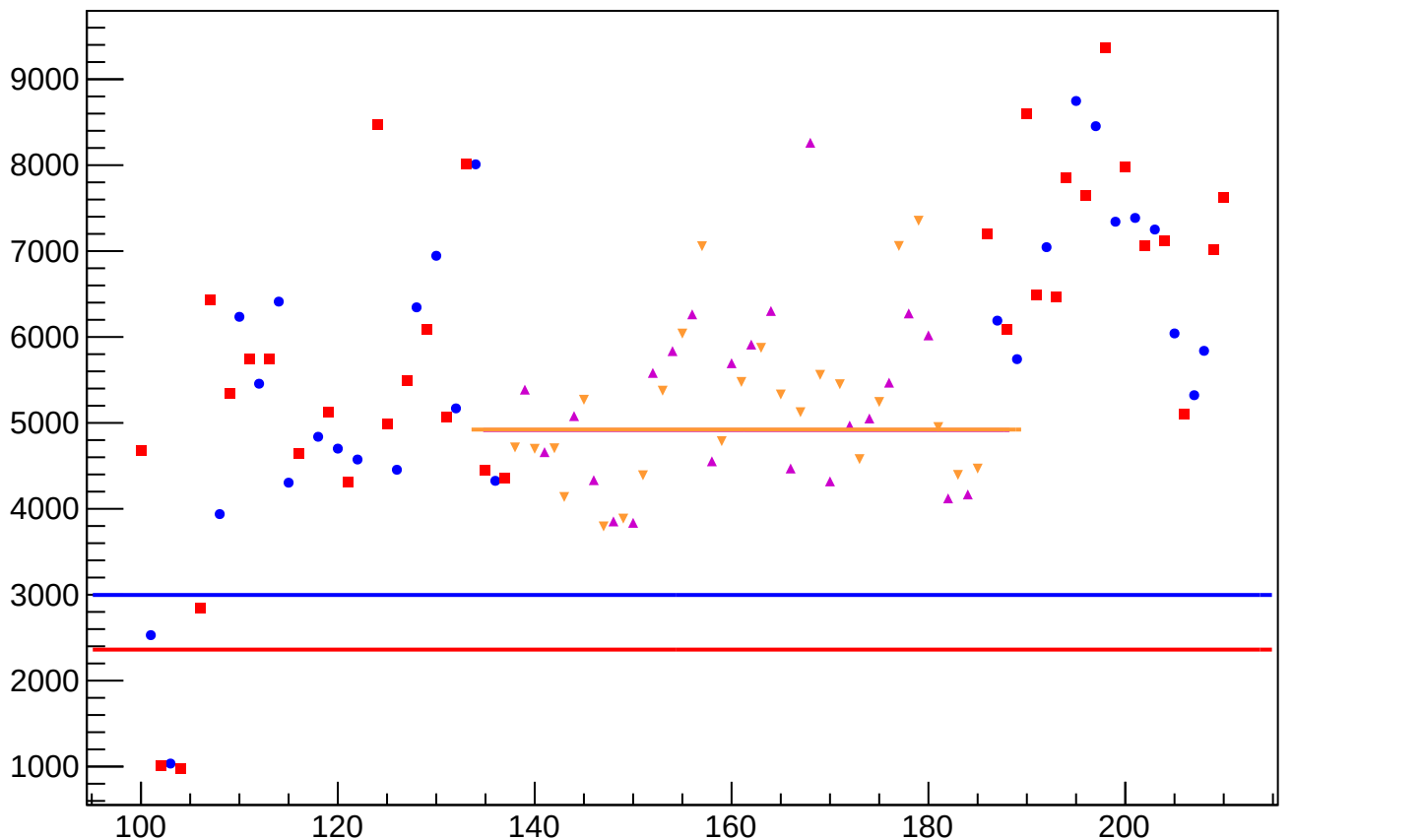
Left In: 306.106+/-1171.019 χ^2/NDF : 14.5/22

+ sign -93.418+/-739.776 χ^2/NDF : 55.7/51

All: 242.057+/-487.518 χ^2/NDF : 103.4/107

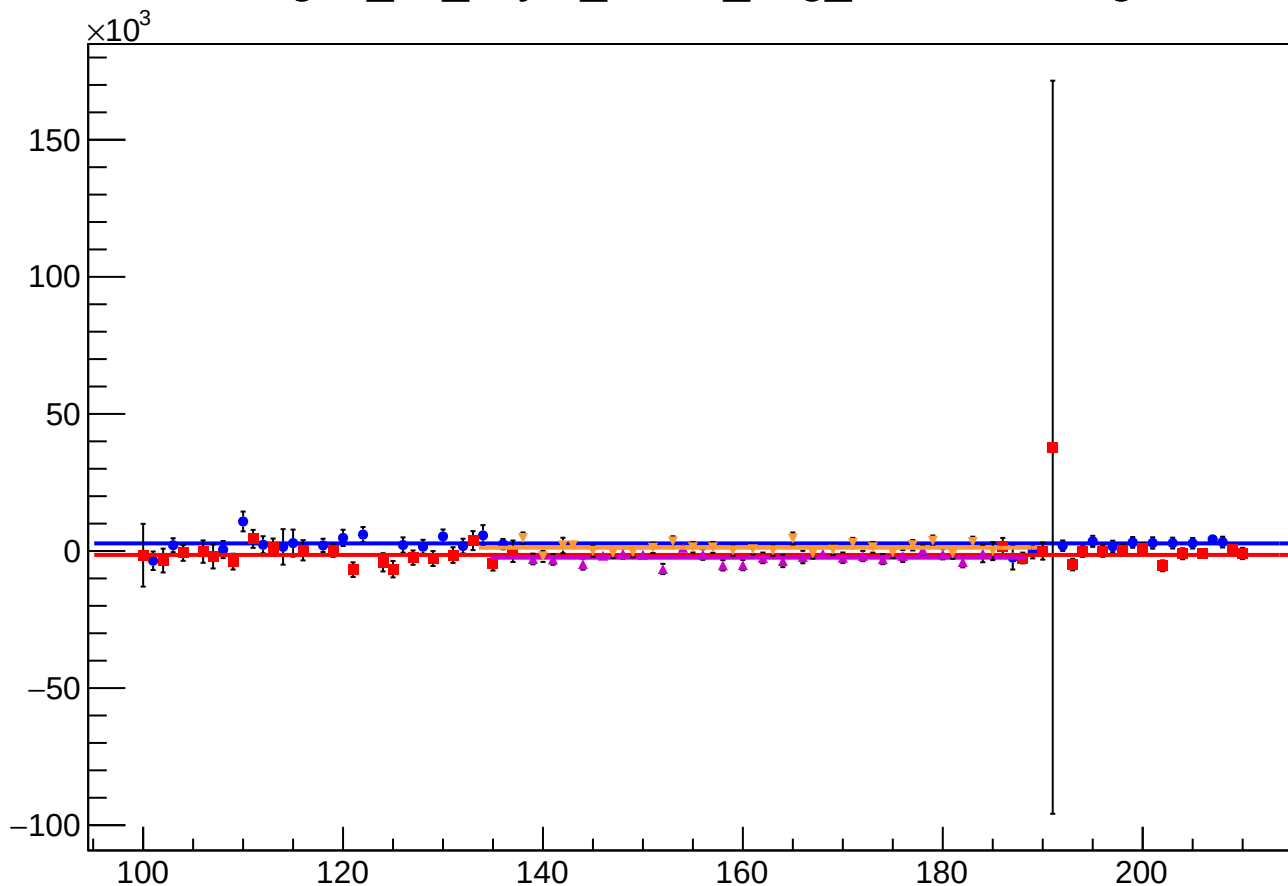
- sign 499.599+/-648.178 χ^2/NDF : 47.3/55

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2997.164 ± 0.687	$\chi^2/\text{NDF}: 11946508.7/26$	+ sign 3806.518 ± 0.523	$\chi^2/\text{NDF}: 16297407.0/51$
Left Out: 4922.380 ± 0.807	$\chi^2/\text{NDF}: 1050408.0/24$	All: 3431.997 ± 0.345	$\chi^2/\text{NDF}: 42554532.2/1$
Right Out: 2361.551 ± 0.550	$\chi^2/\text{NDF}: 17583239.7/32$	- sign 3144.479 ± 0.458	$\chi^2/\text{NDF}: 25350995.4/55$
Left In: 4916.964 ± 0.828	$\chi^2/\text{NDF}: 1161642.5/22$		

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2774.203 $\pm$ 471.889 χ^2/NDF : 17.3/26

Left Out: 1197.356 $\pm$ 392.981 χ^2/NDF : 19.5/24

Right Out: -1425.865 $\pm$ 450.794 χ^2/NDF : 30.3/32

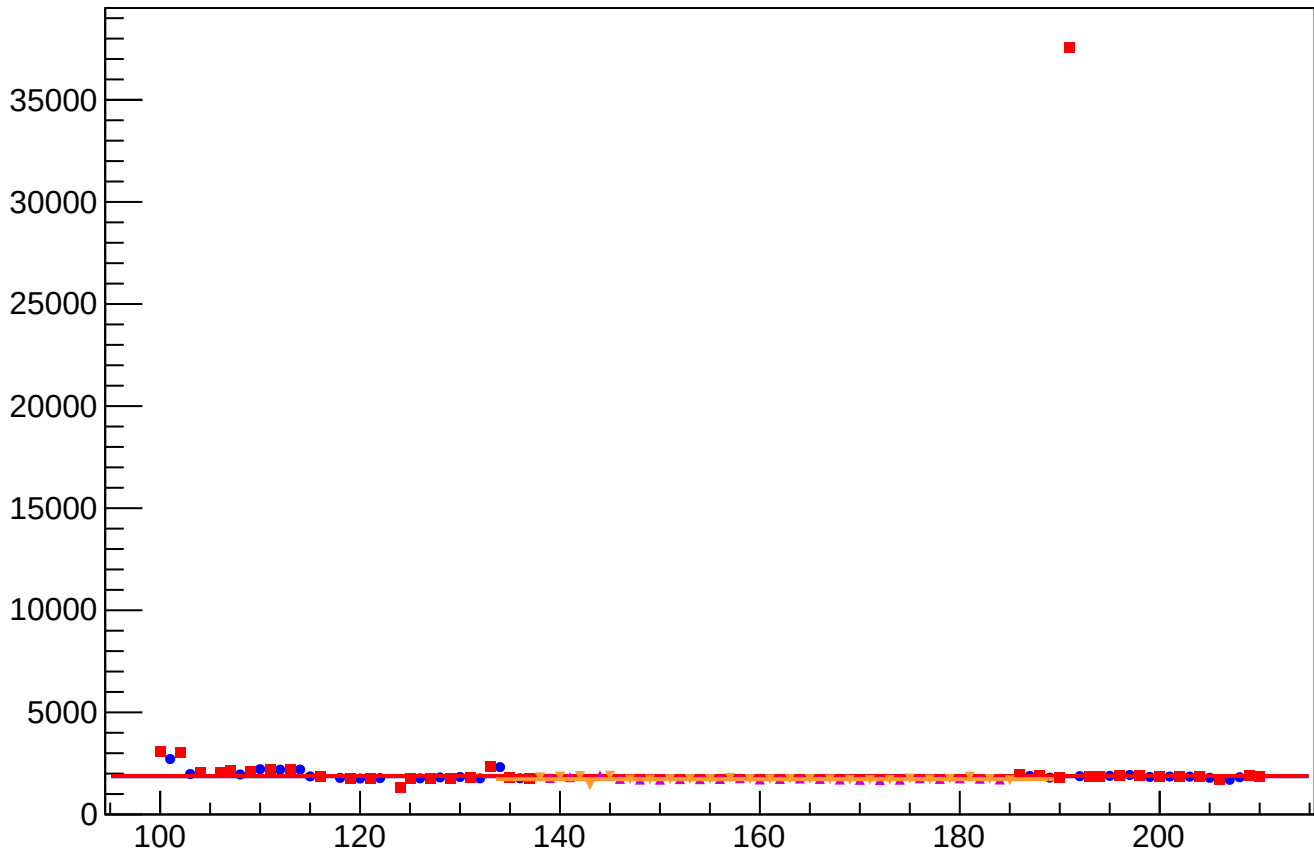
Left In: -2438.062 $\pm$ 407.552 χ^2/NDF : 20.6/22

+ sign 1843.101 $\pm$ 301.978 χ^2/NDF : 43.4/51

All: -67.717 $\pm$ 213.651 χ^2/NDF : 177.3/107

- sign -1982.828 $\pm$ 302.317 χ^2/NDF : 53.7/55

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1870.533+/-0.334 χ^2/NDF : 251626.3/26

Left Out: 1727.236+/-0.278 χ^2/NDF : 110269.9/24

Right Out: 1884.839+/-0.319 χ^2/NDF : 520953.5/32

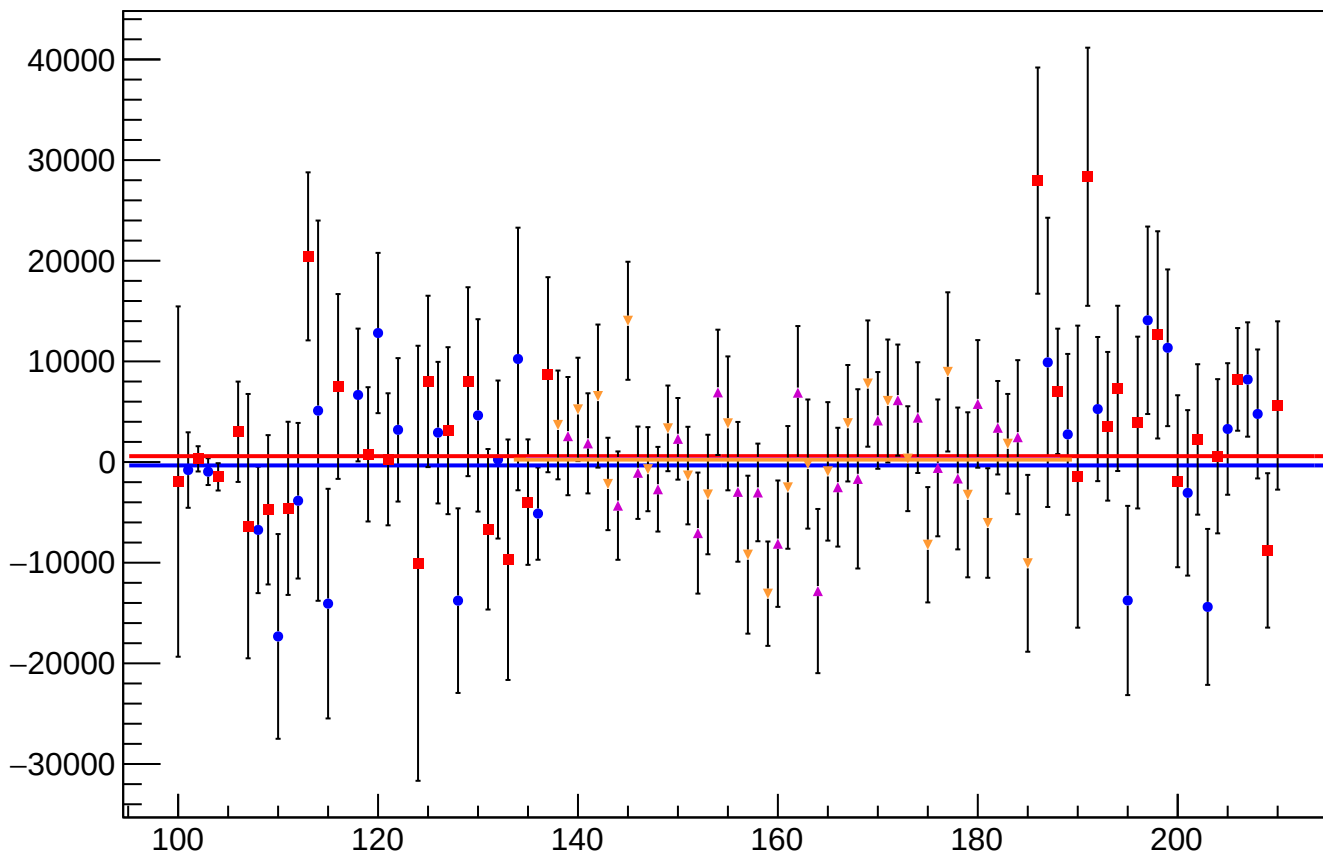
Left In: 1744.633+/-0.288 χ^2/NDF : 26798.0/22

+ sign 1785.919+/-0.214 χ^2/NDF : 470798.1/51

All: 1796.805+/-0.151 χ^2/NDF : 1130246.6/10

- sign 1807.713+/-0.214 χ^2/NDF : 654244.6/55

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -336.073+/-971.705 χ^2/NDF : 28.8/26

Left Out: 241.128+/-1140.962 χ^2/NDF : 26.7/24

Right Out: 585.070+/-778.275 χ^2/NDF : 32.8/32

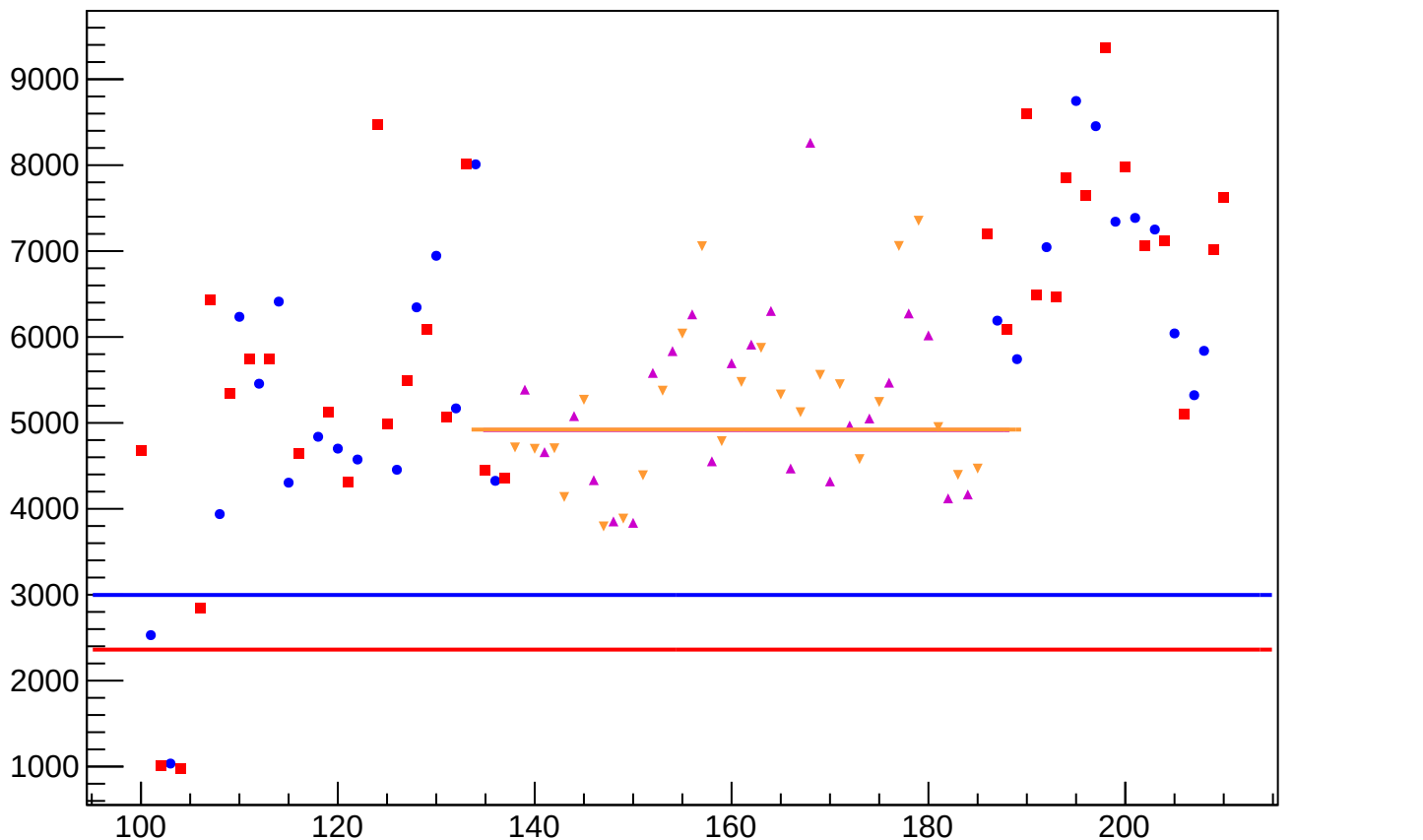
Left In: 306.109+/-1171.021 χ^2/NDF : 14.5/22

+ sign -93.420+/-739.776 χ^2/NDF : 55.7/51

All: 242.058+/-487.518 χ^2/NDF : 103.4/107

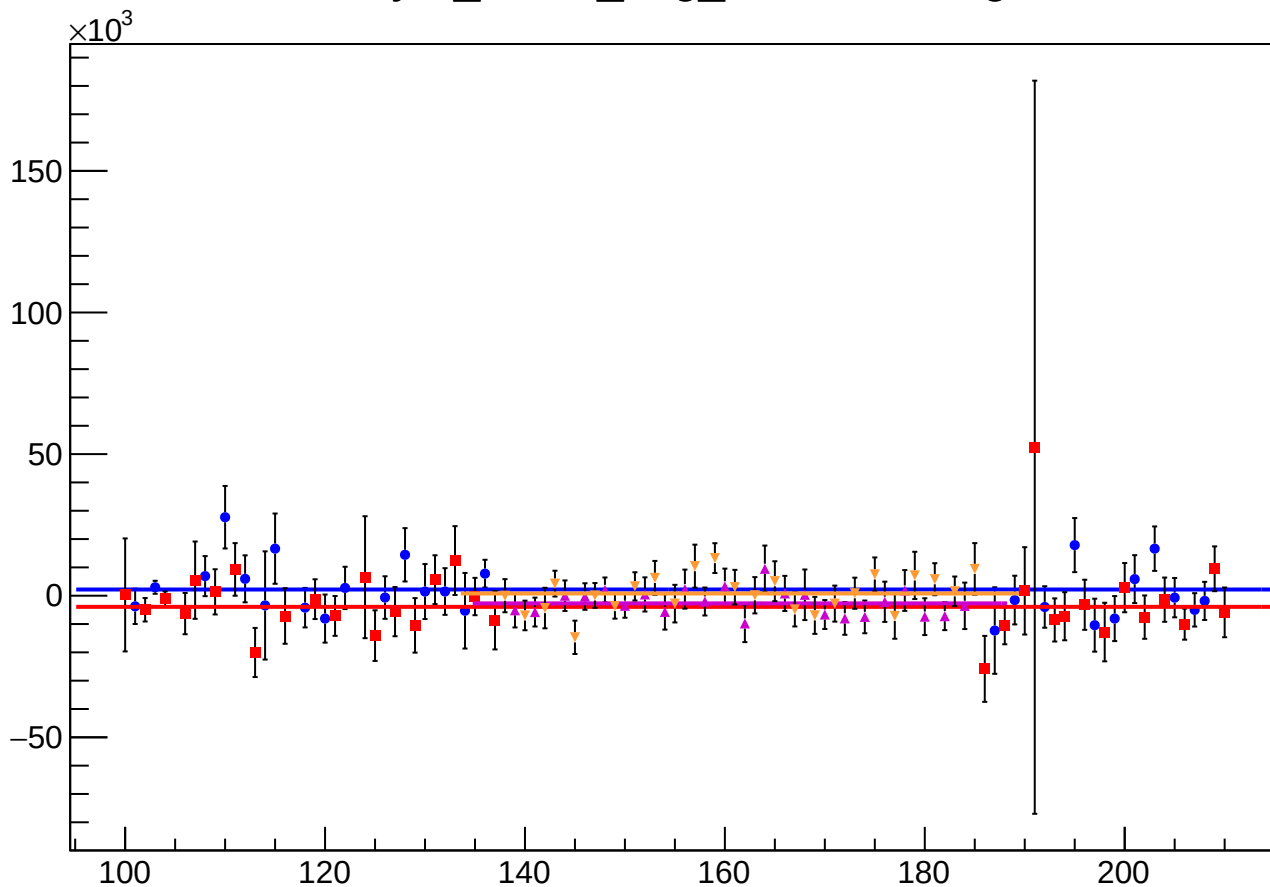
- sign 499.602+/-648.178 χ^2/NDF : 47.3/55

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2997.163+/-0.687	χ^2/NDF : 11946515.2/26	+ sign 3806.519+/-0.523	χ^2/NDF : 16297443.9/51
Left Out: 4922.388+/-0.807	χ^2/NDF : 1050409.4/24	All: 3431.996+/-0.345	χ^2/NDF : 42554612.3/1
Right Out: 2361.550+/-0.550	χ^2/NDF : 17583243.8/32	- sign 3144.478+/-0.458	χ^2/NDF : 25351036.0/55
Left In: 4916.972+/-0.828	χ^2/NDF : 1161645.9/22		

asym_atl1r2_avg_mean vs Slug



Right In: 2190.919 ± 1292.515 χ^2/NDF : 27.8/26

Left Out: 787.965 ± 1171.964 χ^2/NDF : 27.6/24

Right Out: -3932.585 ± 1277.795 χ^2/NDF : 25.1/32

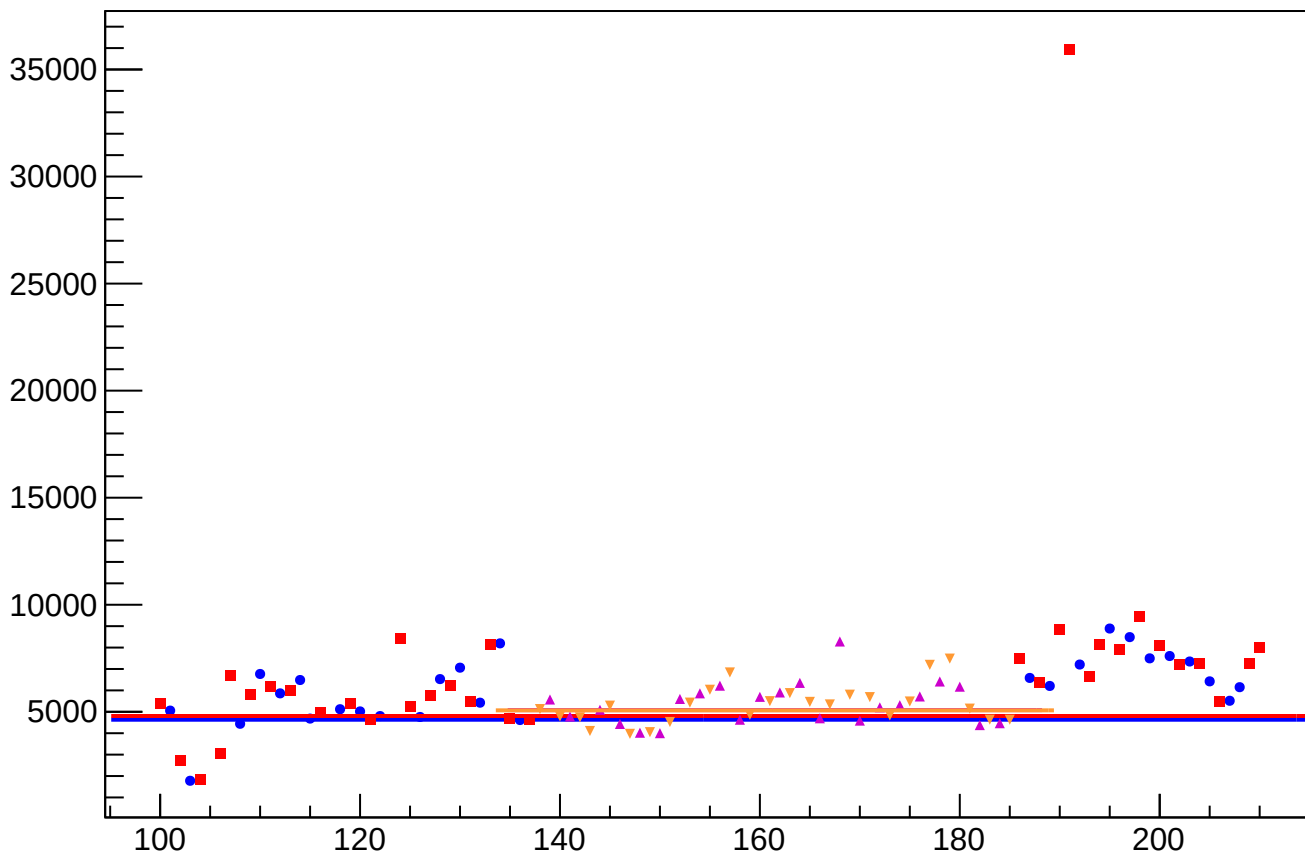
Left In: -2705.532 ± 1206.281 χ^2/NDF : 11.9/22

+ sign 1420.980 ± 868.202 χ^2/NDF : 56.0/51

All: -907.240 ± 617.055 χ^2/NDF : 108.1/107

- sign -3283.762 ± 877.162 χ^2/NDF : 37.5/55

asym_atl1r2_avg_rms vs Slug



Right In: 4630.671+/-0.914 χ^2/NDF : 5741379.0/26

Left Out: 5067.898+/-0.829 χ^2/NDF : 954253.8/24

Right Out: 4804.054+/-0.897 χ^2/NDF : 6435571.8/32

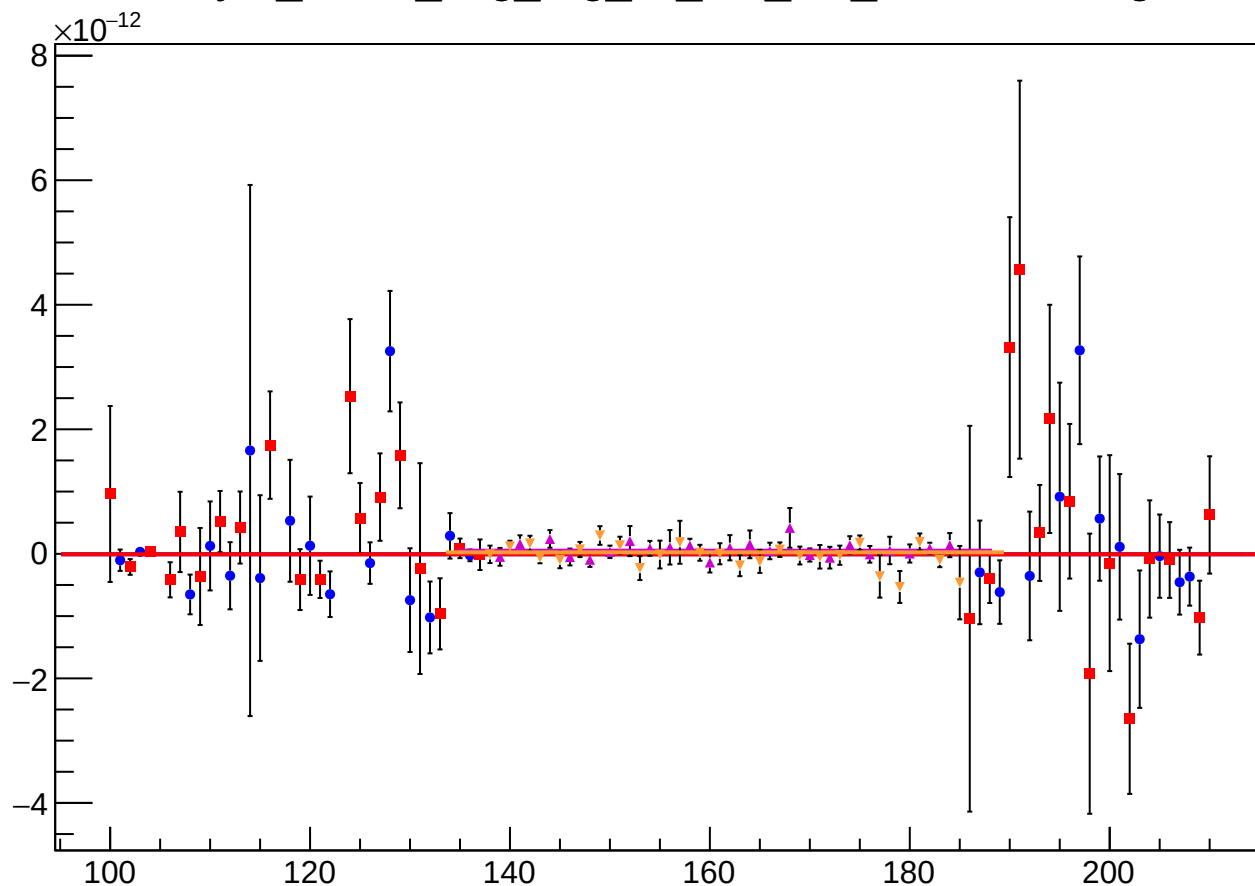
Left In: 5079.715+/-0.853 χ^2/NDF : 1001241.5/22

+ sign 4870.620+/-0.614 χ^2/NDF : 6821231.4/51

All: 4909.473+/-0.436 χ^2/NDF : 14315684.8/100

- sign 4948.876+/-0.618 χ^2/NDF : 7486386.2/55

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 35.3/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 23.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 45.2/32

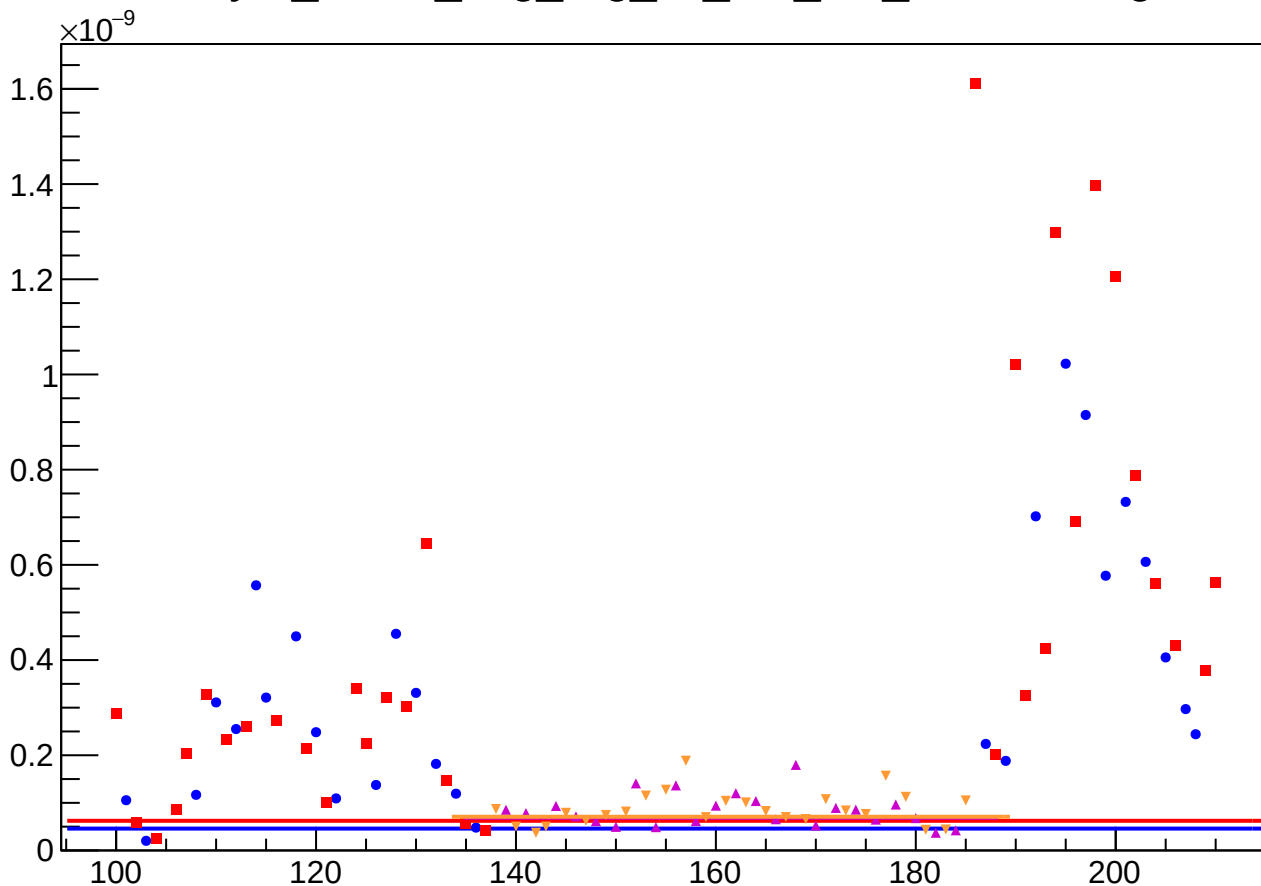
Left In: 0.000 ± 0.000 χ^2/NDF : 11.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 59.3/51

All: 0.000 ± 0.000 χ^2/NDF : 117.1/107

- sign 0.000 ± 0.000 χ^2/NDF : 57.4/55

asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8708185.0/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10853678.2/32

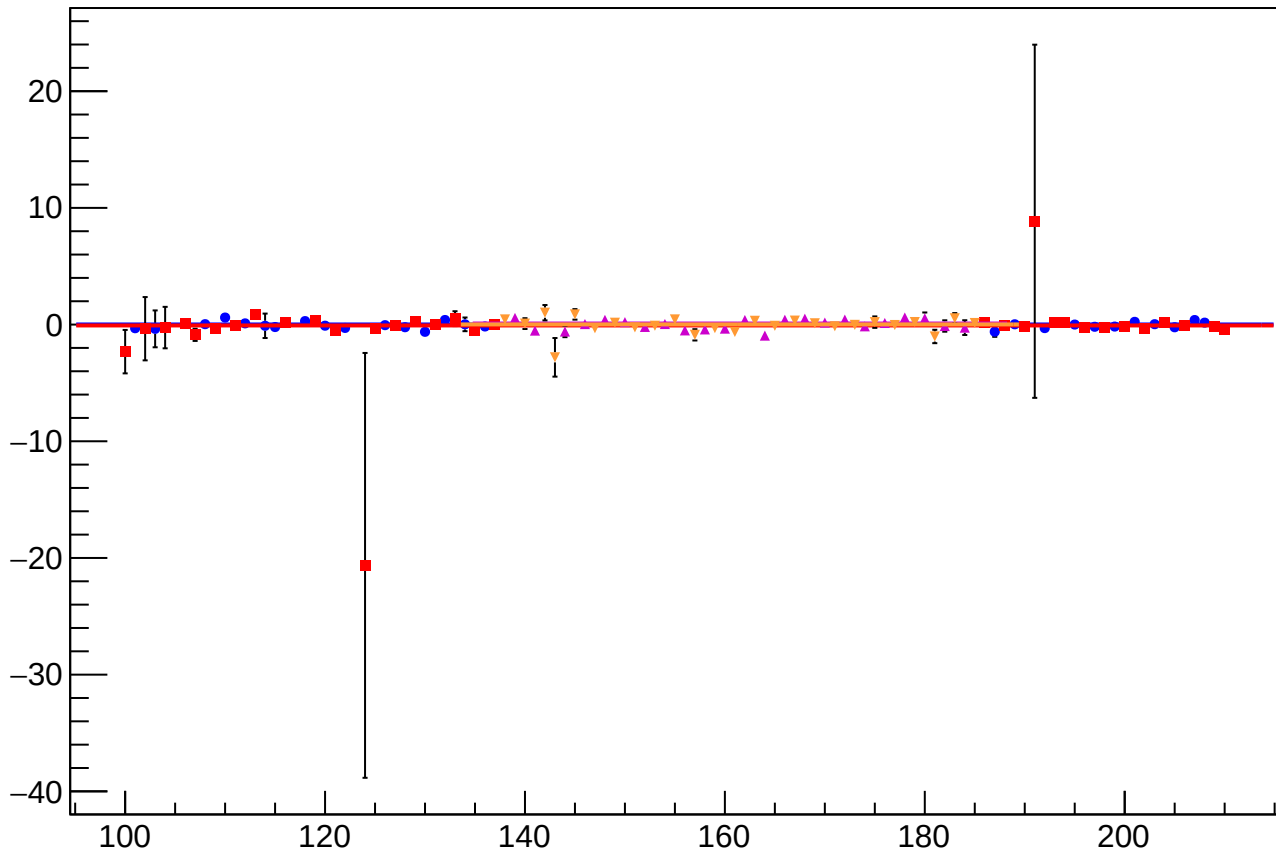
Left In: 0.000+/-0.000 χ^2/NDF : 1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 10782703.0/51

All: 0.000+/-0.000 χ^2/NDF : 23160542.9/107

- sign 0.000+/-0.000 χ^2/NDF : 12316696.2/55

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 ± 0.053 χ^2/NDF : 24.7/26

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.075 ± 0.047 χ^2/NDF : 31.8/32

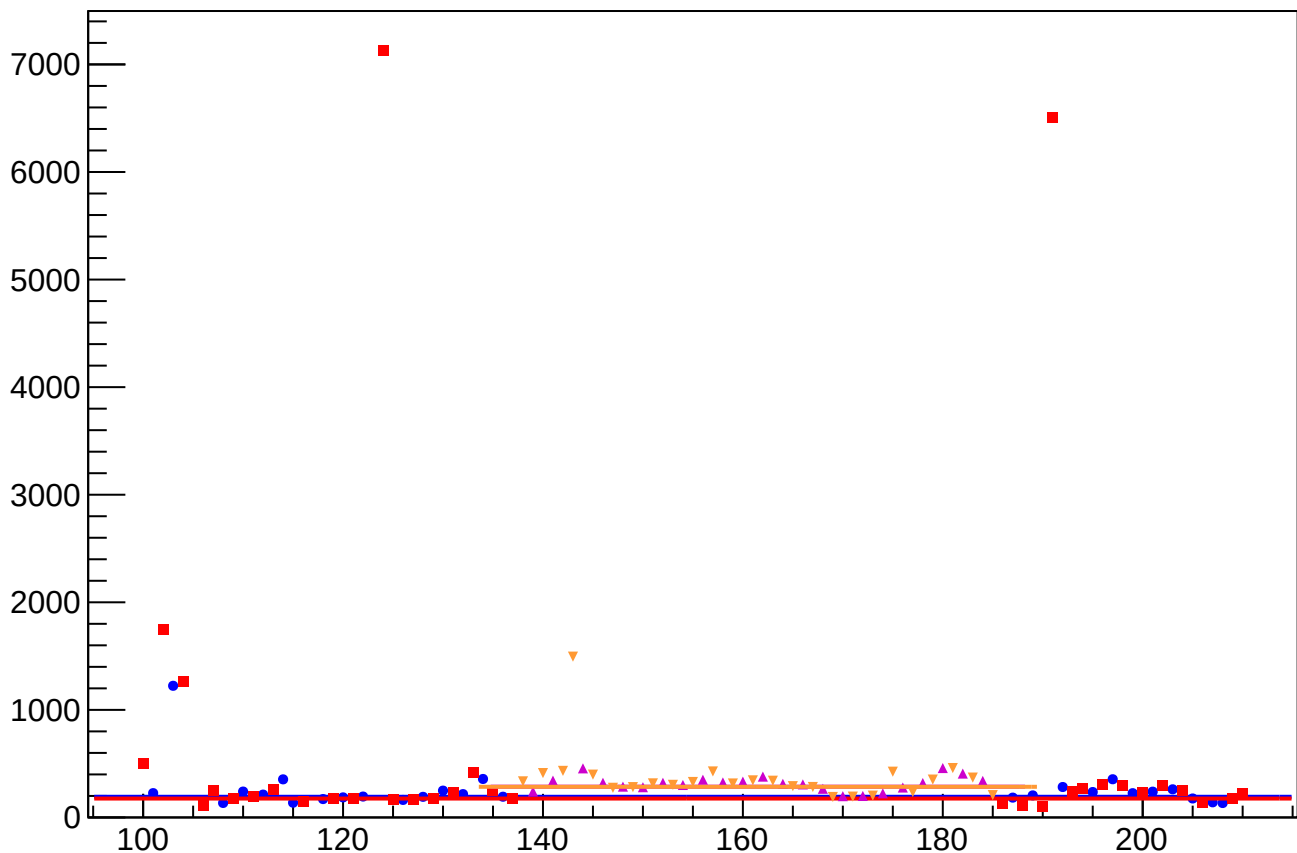
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign 0.011 ± 0.042 χ^2/NDF : 53.0/51

All: -0.008 ± 0.029 χ^2/NDF : 119.8/107

- sign -0.024 ± 0.039 χ^2/NDF : 66.5/55

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 192.200 $\pm$ 0.037 χ^2 /NDF: 2700465.4/26

Left Out: 285.036 $\pm$ 0.049 χ^2 /NDF: 3407001.6/24

Right Out: 175.724 $\pm$ 0.033 χ^2 /NDF: 5438449.0/32

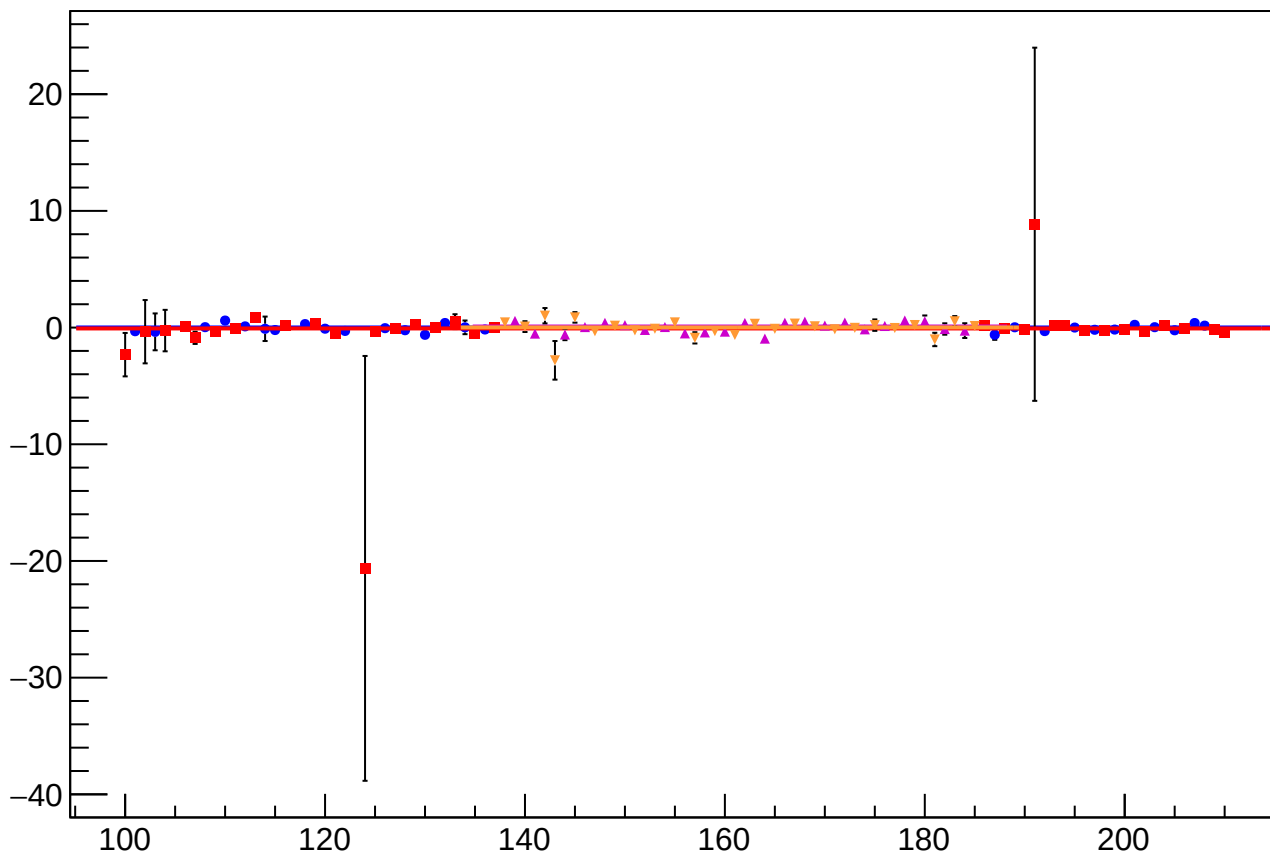
Left In: 285.869 $\pm$ 0.050 χ^2 /NDF: 1744706.1/22

+ sign 225.765 $\pm$ 0.030 χ^2 /NDF: 8364933.5/51

All: 217.275 $\pm$ 0.020 χ^2 /NDF: 19077487.6/10

- sign 209.871 $\pm$ 0.028 χ^2 /NDF: 10559426.3/55

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 ± 0.053 χ^2/NDF : 24.7/26

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.075 ± 0.047 χ^2/NDF : 31.8/32

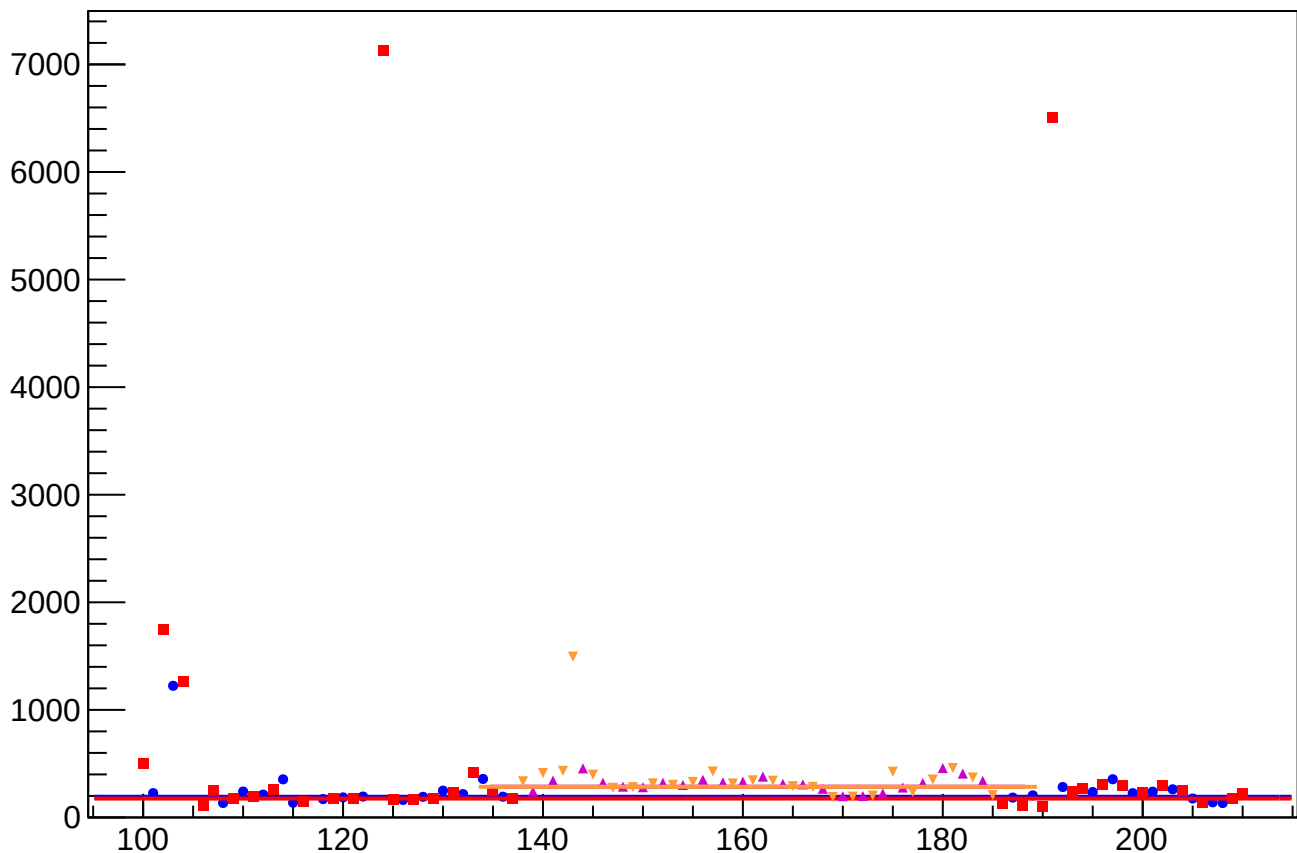
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign 0.011 ± 0.042 χ^2/NDF : 53.0/51

All: -0.008 ± 0.029 χ^2/NDF : 119.8/107

- sign -0.024 ± 0.039 χ^2/NDF : 66.5/55

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.200 $\pm$ 0.037 χ^2 /NDF: 2700465.4/26

Left Out: 285.036 $\pm$ 0.049 χ^2 /NDF: 3407001.6/24

Right Out: 175.724 $\pm$ 0.033 χ^2 /NDF: 5438449.0/32

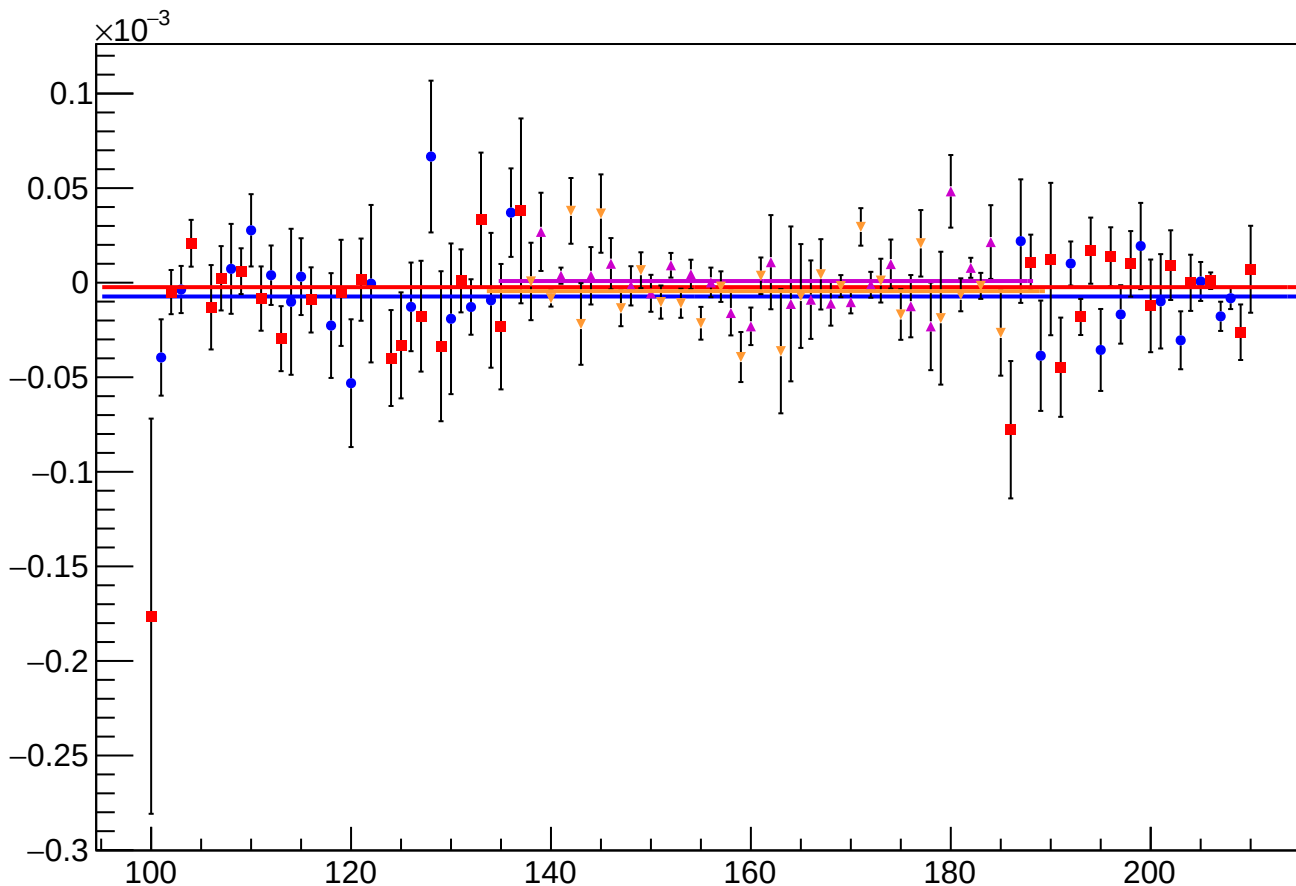
Left In: 285.869 $\pm$ 0.050 χ^2 /NDF: 1744706.1/22

+ sign 225.765 $\pm$ 0.030 χ^2 /NDF: 8364933.5/51

All: 217.275 $\pm$ 0.020 χ^2 /NDF: 19077487.6/10

- sign 209.871 $\pm$ 0.028 χ^2 /NDF: 10559426.3/55

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.0/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 43.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 33.7/32

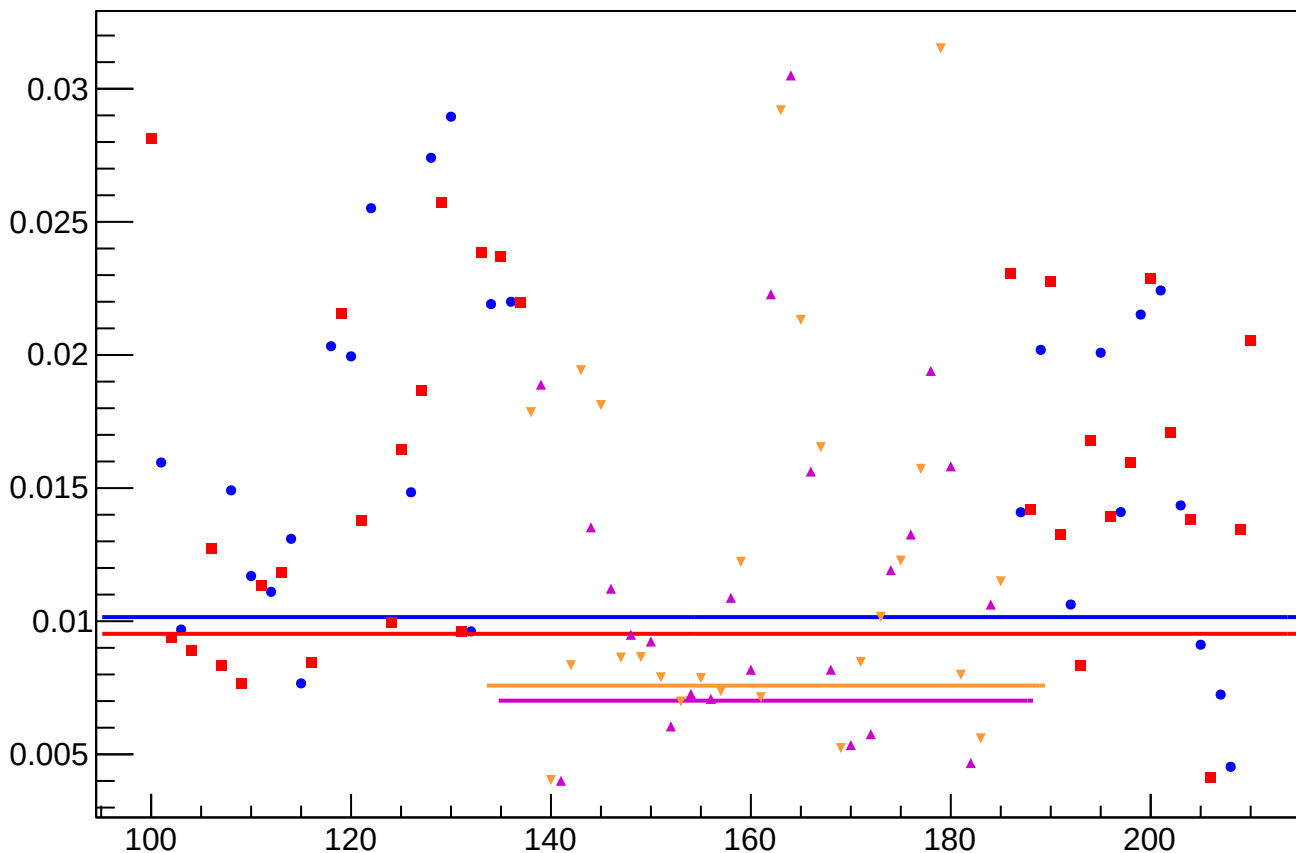
Left In: 0.000 ± 0.000 χ^2/NDF : 29.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 73.6/51

All: -0.000 ± 0.000 χ^2/NDF : 142.3/107

- sign -0.000 ± 0.000 χ^2/NDF : 63.7/55

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 6832203.0/26

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 7351454.7/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 8403891.0/32

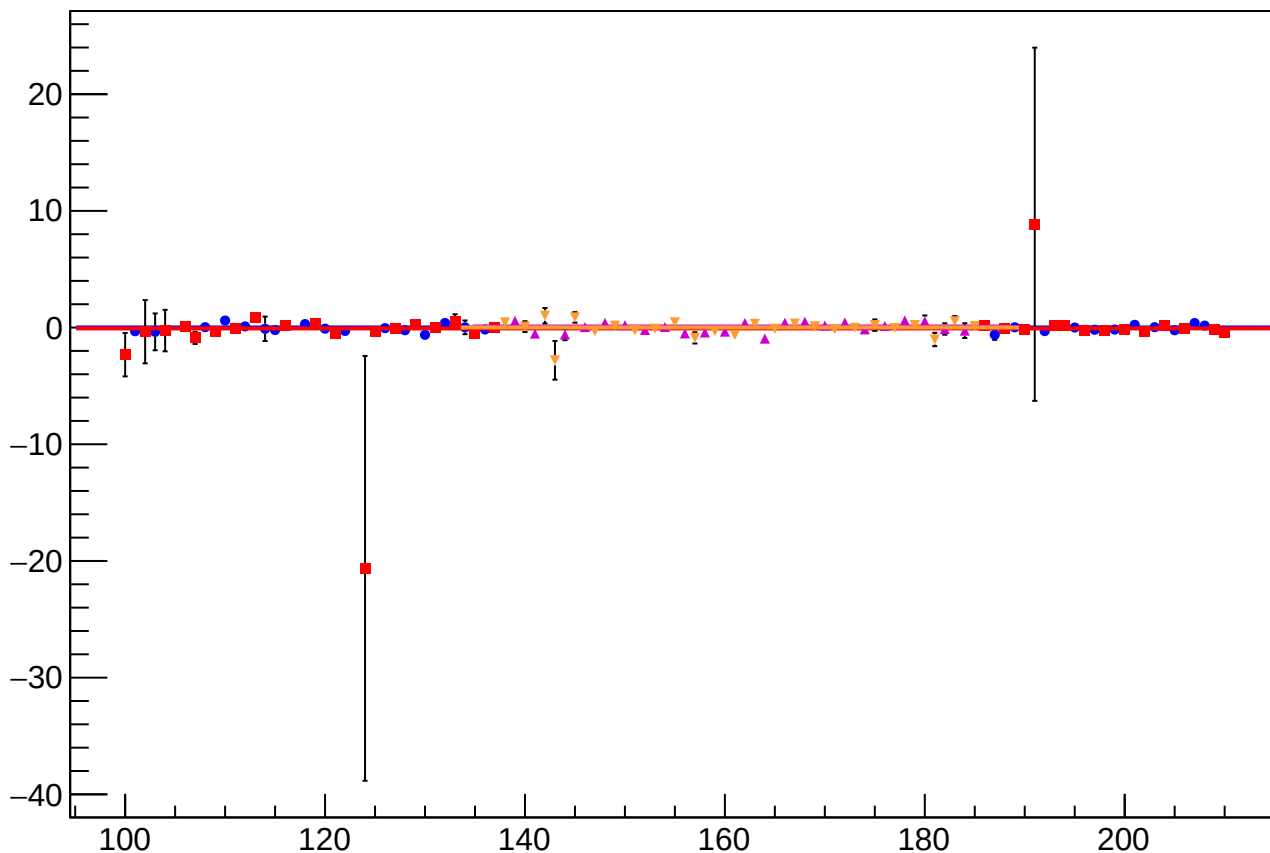
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6740679.5/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 15228639.5/51

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 31671633.0/107

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 16352108.8/55

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 ± 0.053 χ^2/NDF : 24.7/26

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.075 ± 0.047 χ^2/NDF : 31.8/32

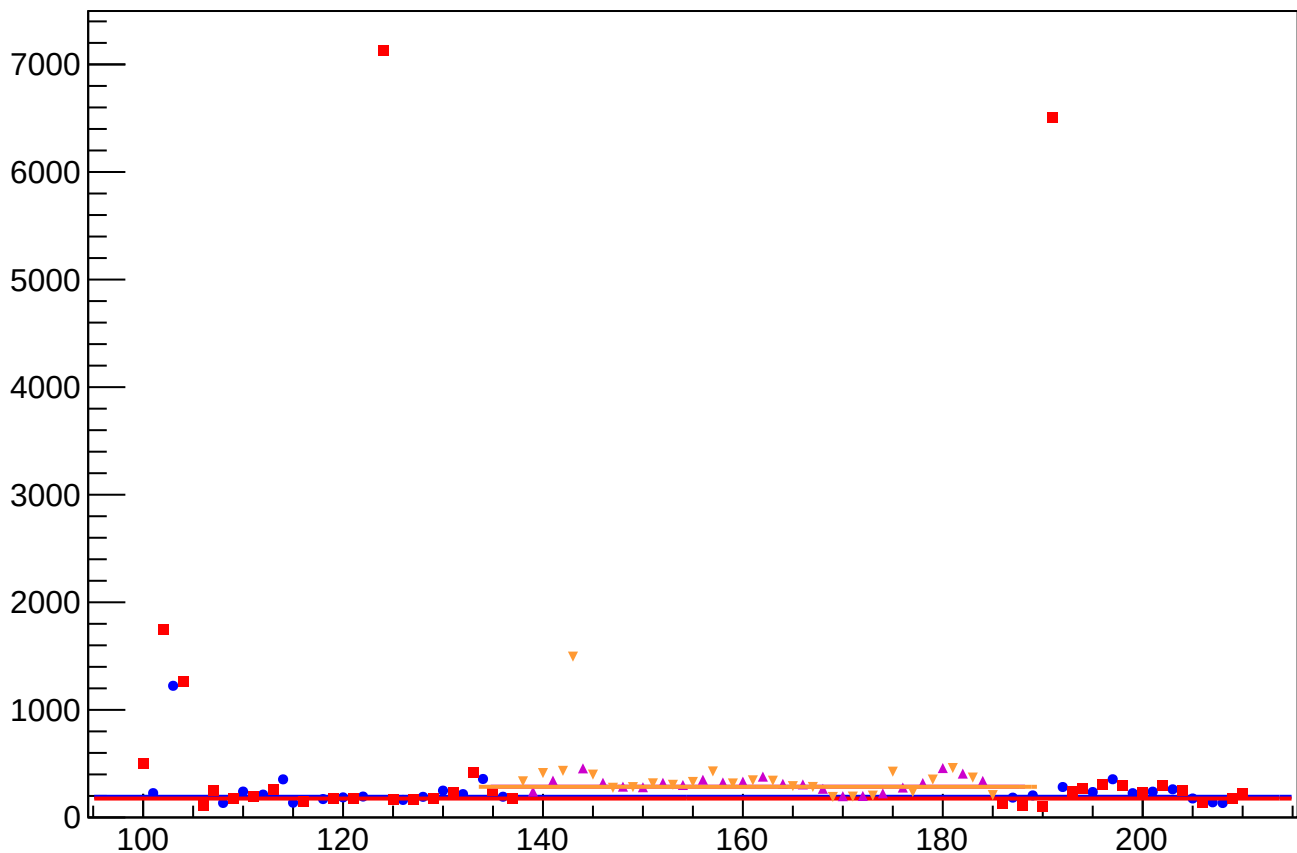
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign 0.011 ± 0.042 χ^2/NDF : 53.0/51

All: -0.008 ± 0.029 χ^2/NDF : 119.8/107

- sign -0.024 ± 0.039 χ^2/NDF : 66.5/55

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 192.199 $\pm$ 0.037 χ^2 /NDF: 2700476.4/26

Left Out: 285.039 $\pm$ 0.049 χ^2 /NDF: 3407037.3/24

Right Out: 175.722 $\pm$ 0.033 χ^2 /NDF: 5438594.1/32

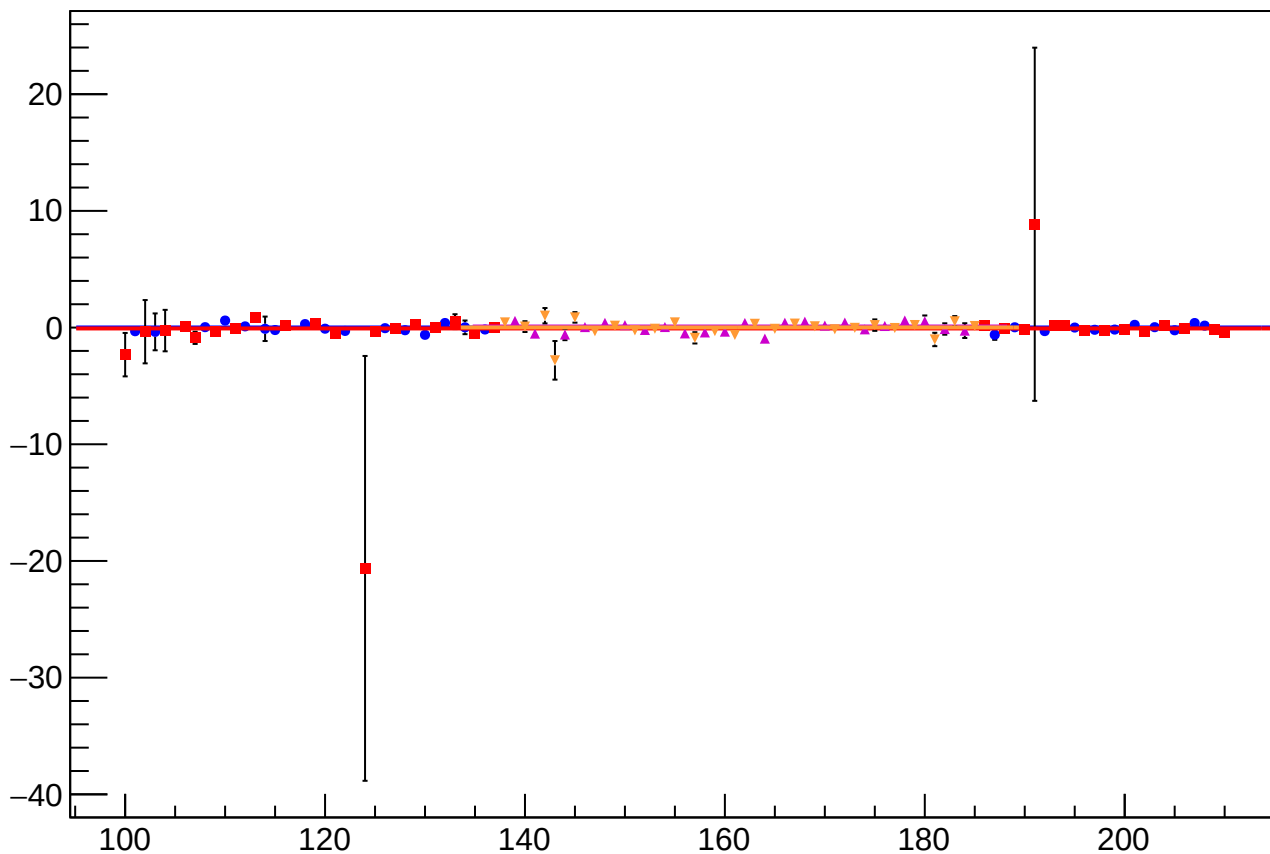
Left In: 285.871 $\pm$ 0.050 χ^2 /NDF: 1744743.9/22

+ sign 225.765 $\pm$ 0.030 χ^2 /NDF: 8365144.0/51

All: 217.274 $\pm$ 0.020 χ^2 /NDF: 19078183.4/10

- sign 209.869 $\pm$ 0.028 χ^2 /NDF: 10559884.3/55

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 ± 0.053 χ^2/NDF : 24.7/26

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.075 ± 0.047 χ^2/NDF : 31.8/32

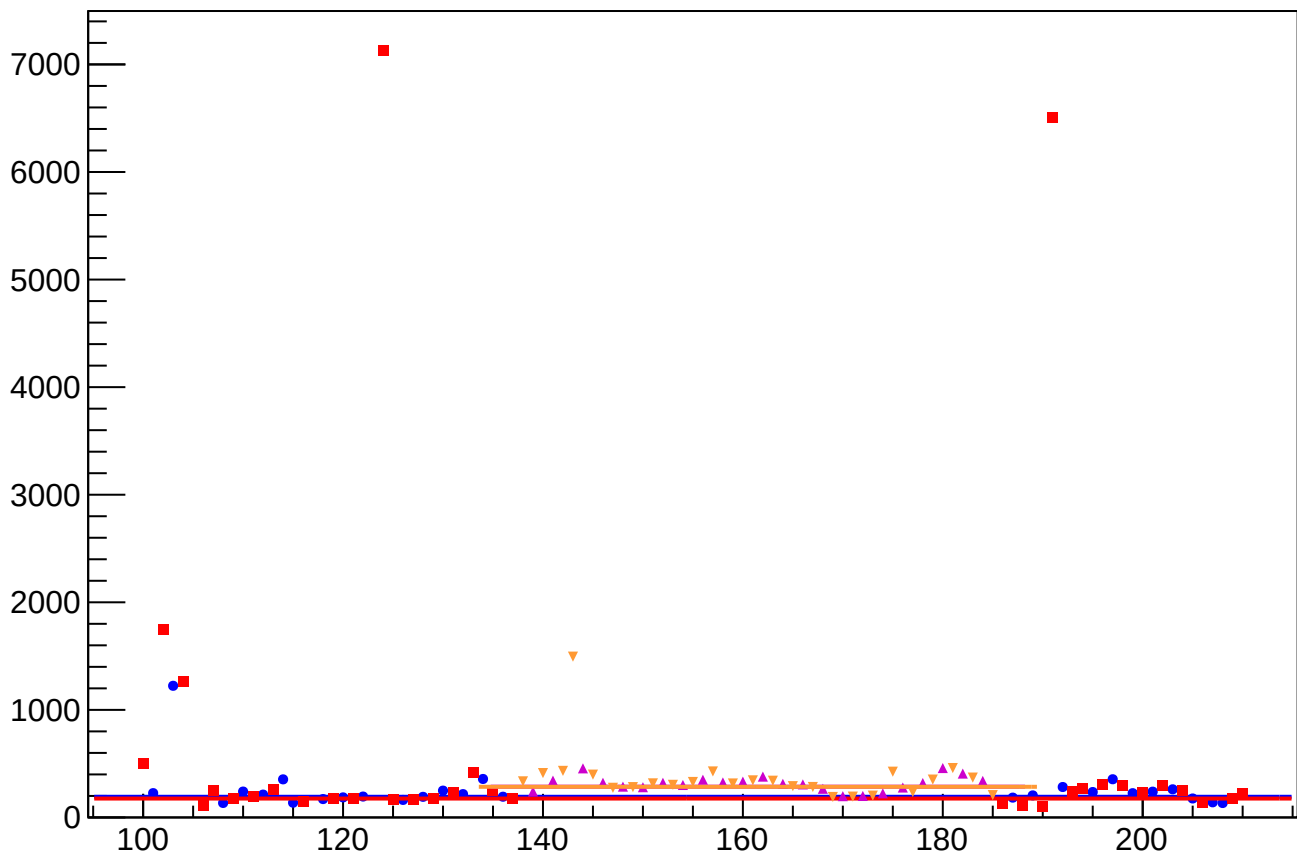
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign 0.011 ± 0.042 χ^2/NDF : 53.0/51

All: -0.008 ± 0.029 χ^2/NDF : 119.8/107

- sign -0.024 ± 0.039 χ^2/NDF : 66.5/55

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.199 $\pm$ 0.037 χ^2 /NDF: 2700476.4/26

Left Out: 285.039 $\pm$ 0.049 χ^2 /NDF: 3407037.3/24

Right Out: 175.722 $\pm$ 0.033 χ^2 /NDF: 5438594.1/32

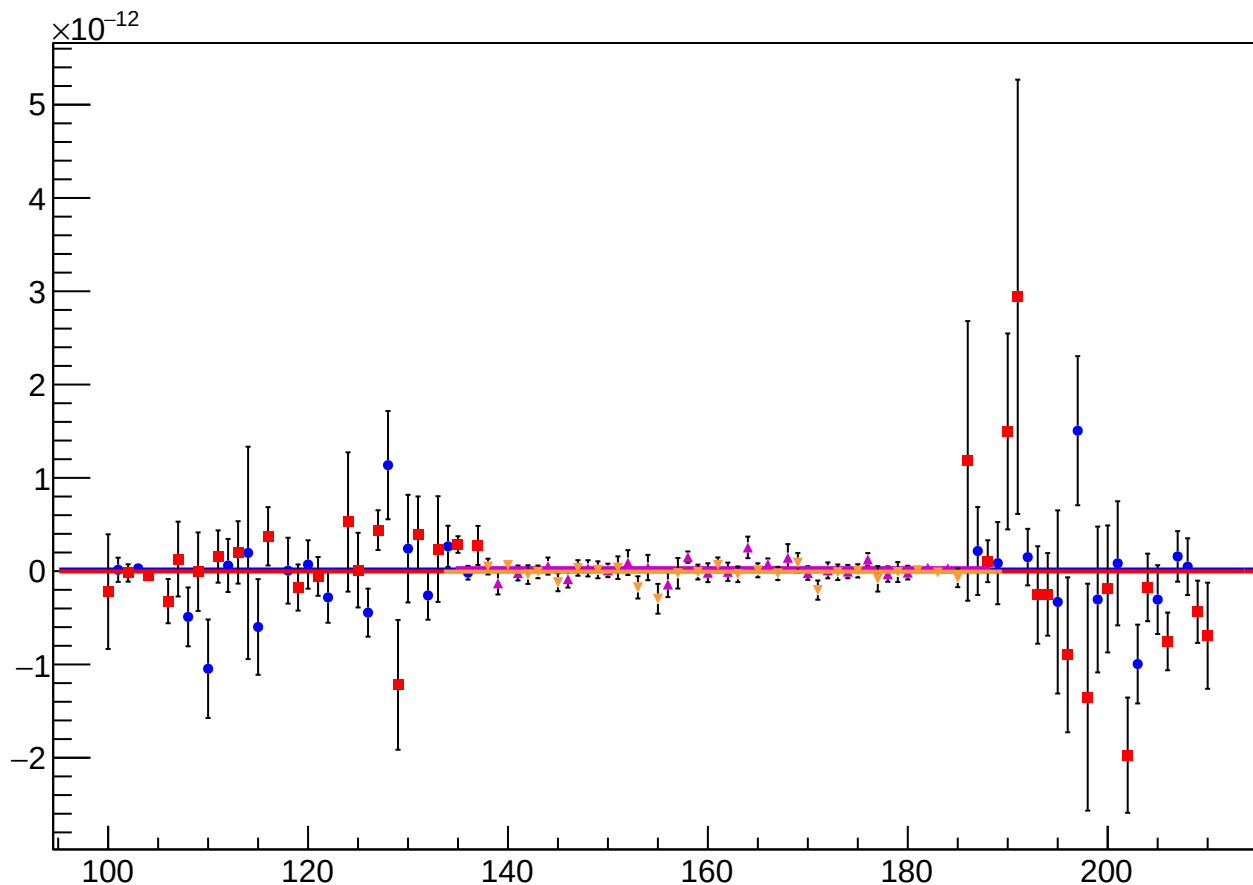
Left In: 285.871 $\pm$ 0.050 χ^2 /NDF: 1744743.9/22

+ sign 225.765 $\pm$ 0.030 χ^2 /NDF: 8365144.0/51

All: 217.274 $\pm$ 0.020 χ^2 /NDF: 19078183.4/10

- sign 209.869 $\pm$ 0.028 χ^2 /NDF: 10559884.3/55

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 30.4/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 16.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 54.5/32

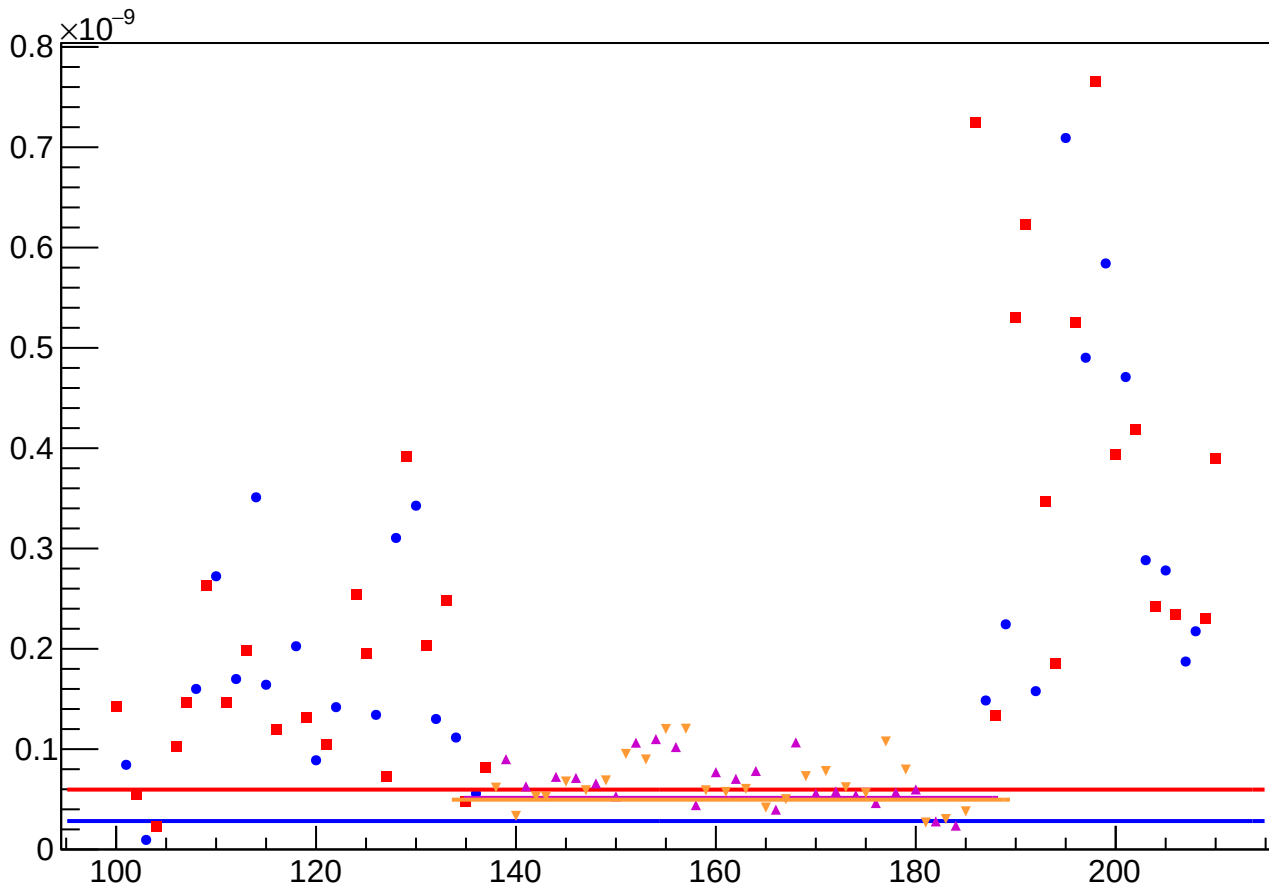
Left In: 0.000 ± 0.000 χ^2/NDF : 18.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 47.8/51

All: 0.000 ± 0.000 χ^2/NDF : 123.4/107

- sign 0.000 ± 0.000 χ^2/NDF : 74.3/55

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14131287.3/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3882649.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11246476.9/32

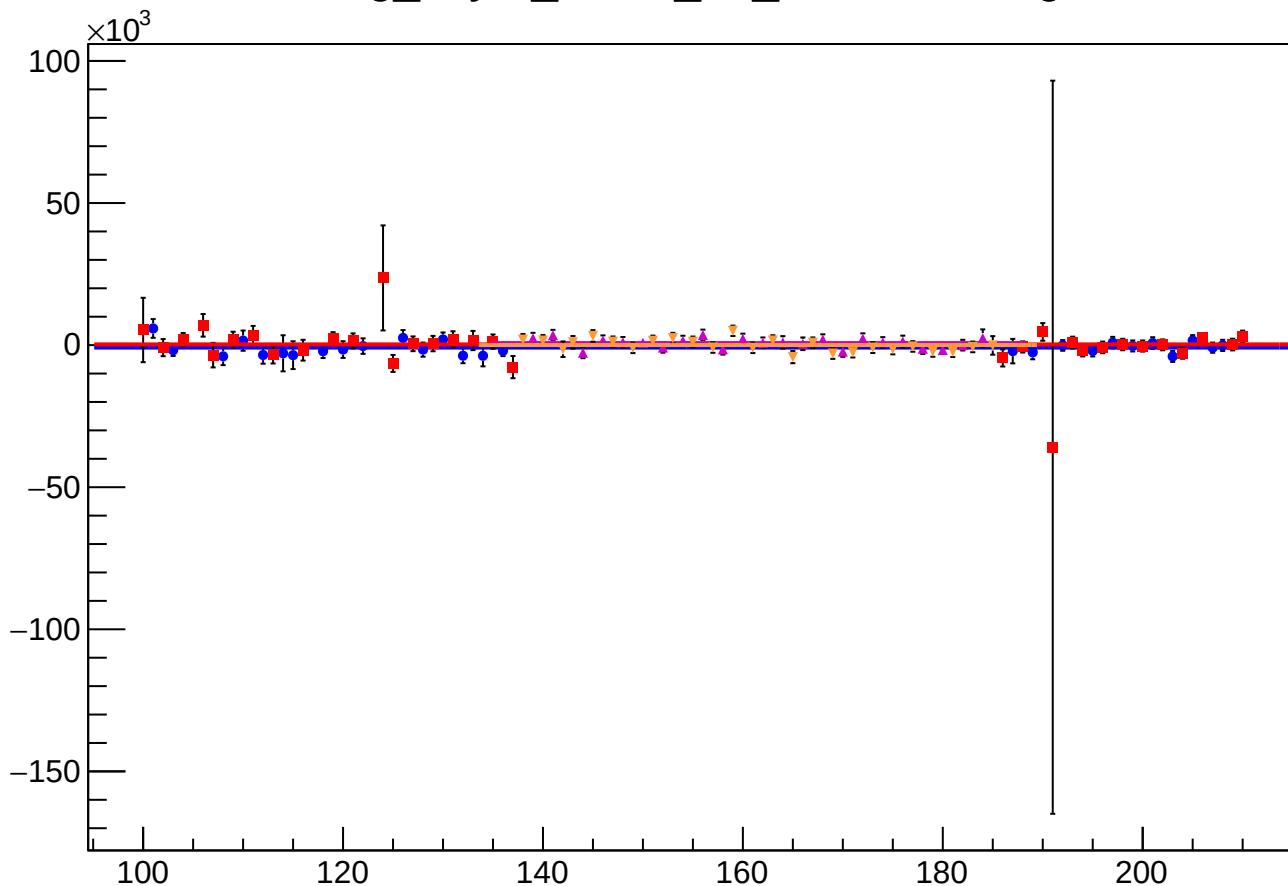
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3659712.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19434062.7/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35179158.9/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15023219.3/55

reg_asym_atl1r2_dd_mean vs Slug



Right In: -861.091 ± 461.414 χ^2/NDF : 19.3/26

Left Out: 23.114 ± 387.732 χ^2/NDF : 29.5/24

Right Out: 252.033 ± 443.094 χ^2/NDF : 33.6/32

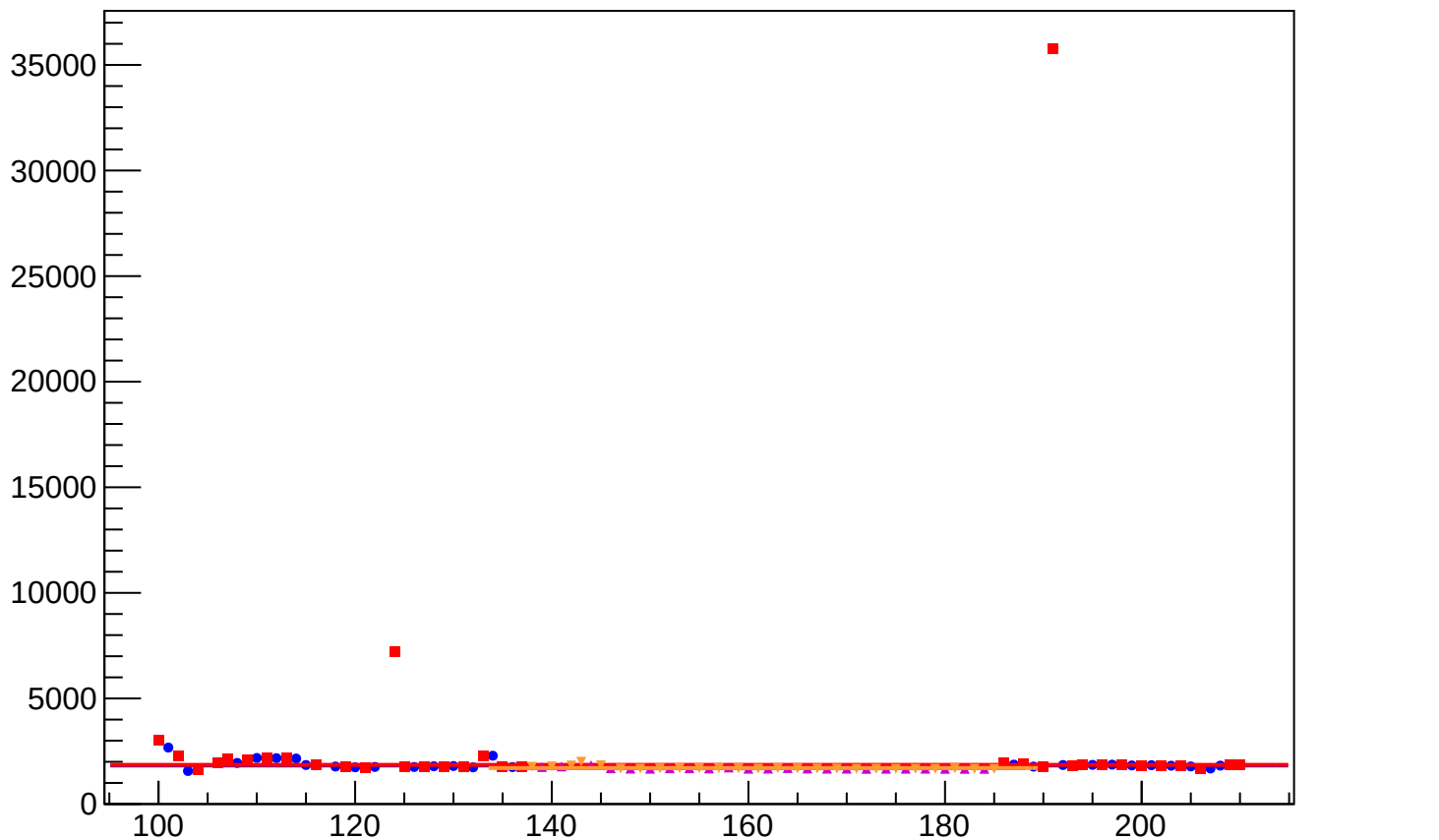
Left In: 719.504 ± 396.449 χ^2/NDF : 19.1/22

+ sign -342.838 ± 296.843 χ^2/NDF : 50.9/51

All: 86.419 ± 209.406 χ^2/NDF : 108.4/107

- sign 511.661 ± 295.452 χ^2/NDF : 53.3/55

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1828.909+/-0.326 χ^2/NDF : 278932.6/26

Left Out: 1705.634+/-0.274 χ^2/NDF : 59928.6/24

Right Out: 1856.039+/-0.313 χ^2/NDF : 535898.8/32

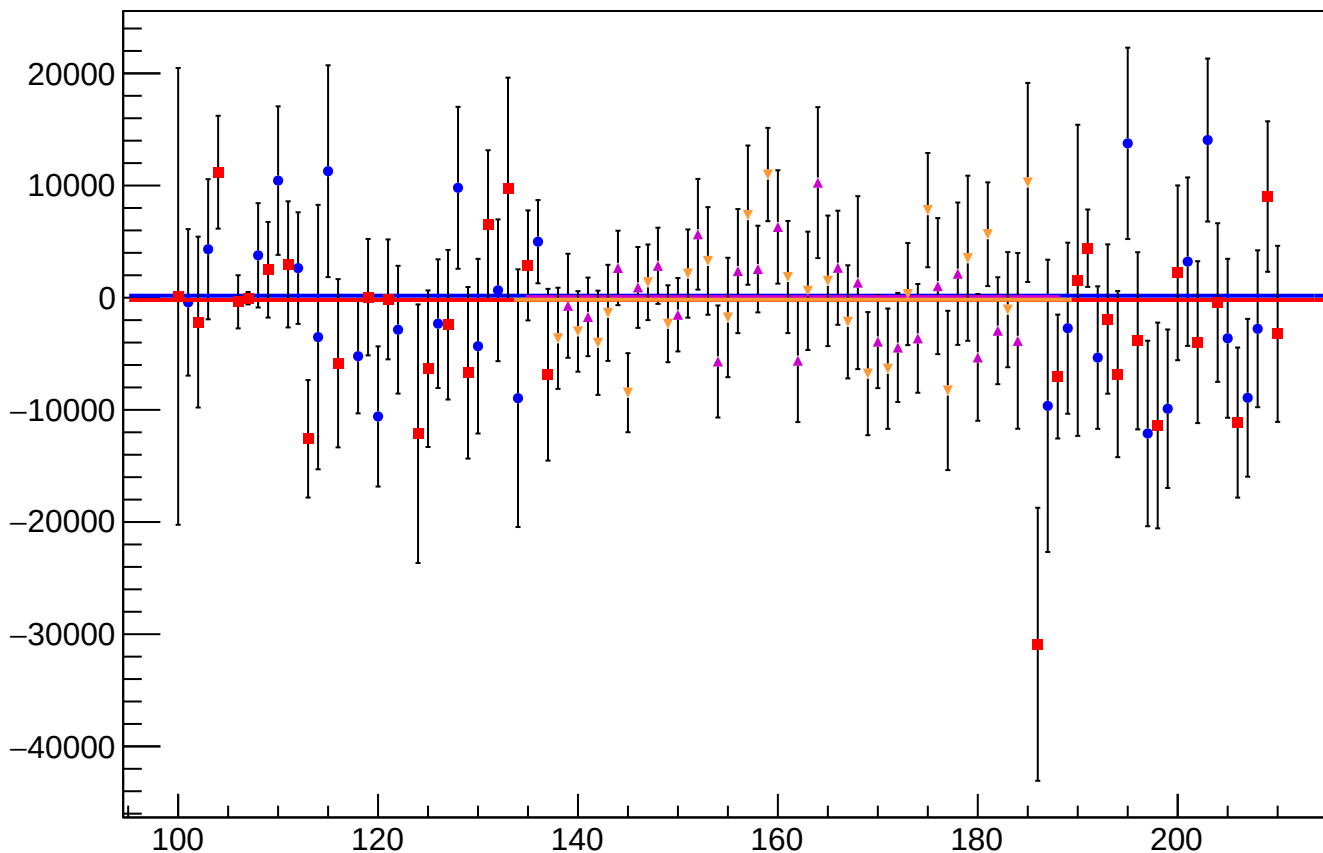
Left In: 1697.514+/-0.280 χ^2/NDF : 21146.9/22

+ sign 1756.655+/-0.210 χ^2/NDF : 422533.5/51

All: 1762.390+/-0.148 χ^2/NDF : 1123385.3/10

- sign 1768.067+/-0.209 χ^2/NDF : 699366.2/55

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 177.948 $\pm$ 1253.250 χ^2 /NDF: 28.4/26

Left Out: -175.777 $\pm$ 935.141 χ^2 /NDF: 27.9/24

Right Out: -203.058 $\pm$ 486.544 χ^2 /NDF: 35.3/32

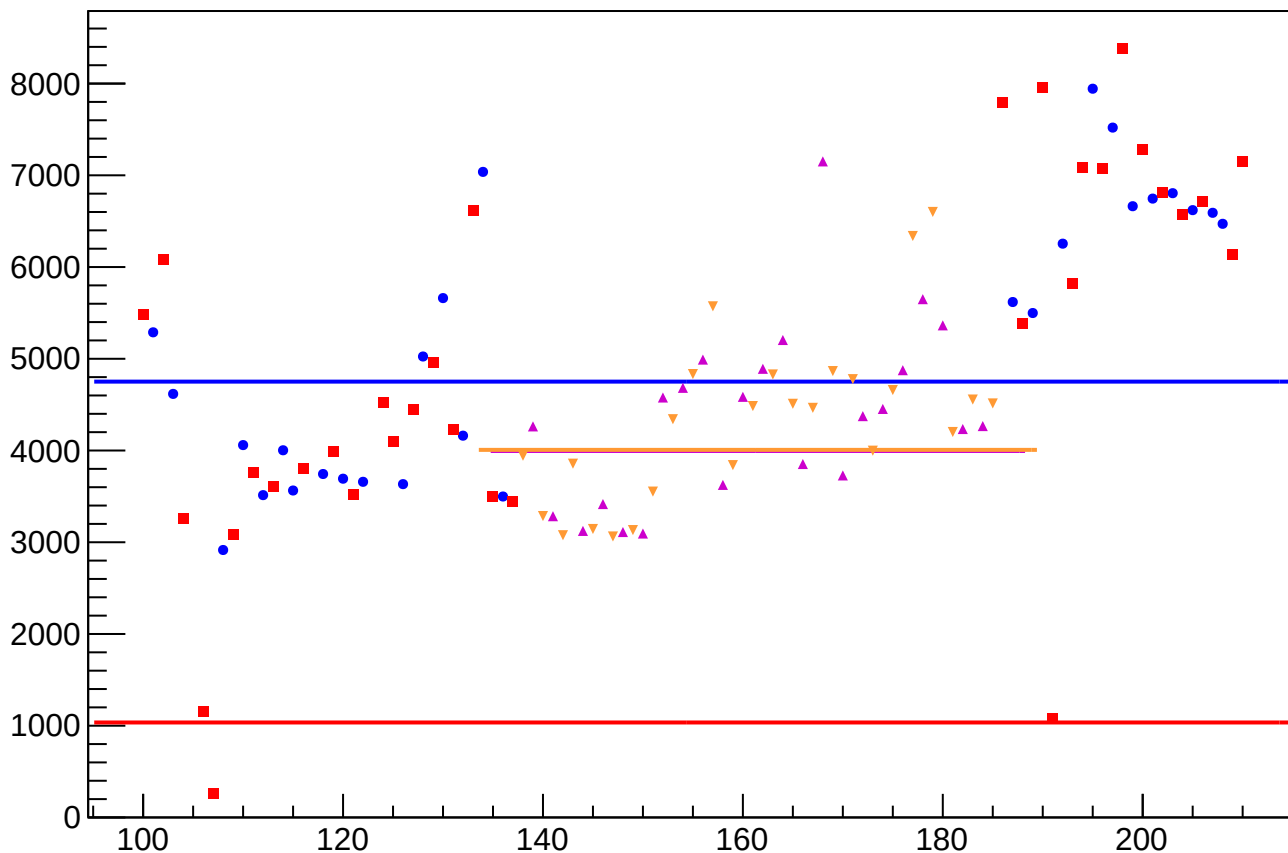
Left In: 56.448 $\pm$ 956.389 χ^2 /NDF: 14.3/22

+ sign -49.269 $\pm$ 749.487 χ^2 /NDF: 56.4/51

All: -124.514 $\pm$ 375.351 χ^2 /NDF: 106.0/107

- sign -149.704 $\pm$ 433.653 χ^2 /NDF: 49.7/55

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4751.036 $\pm$ 0.886 χ^2 /NDF: 2639991.2/26

Left Out: 4006.998 $\pm$ 0.661 χ^2 /NDF: 1503677.6/24

Right Out: 1035.332 $\pm$ 0.344 χ^2 /NDF: 26258412.8/32

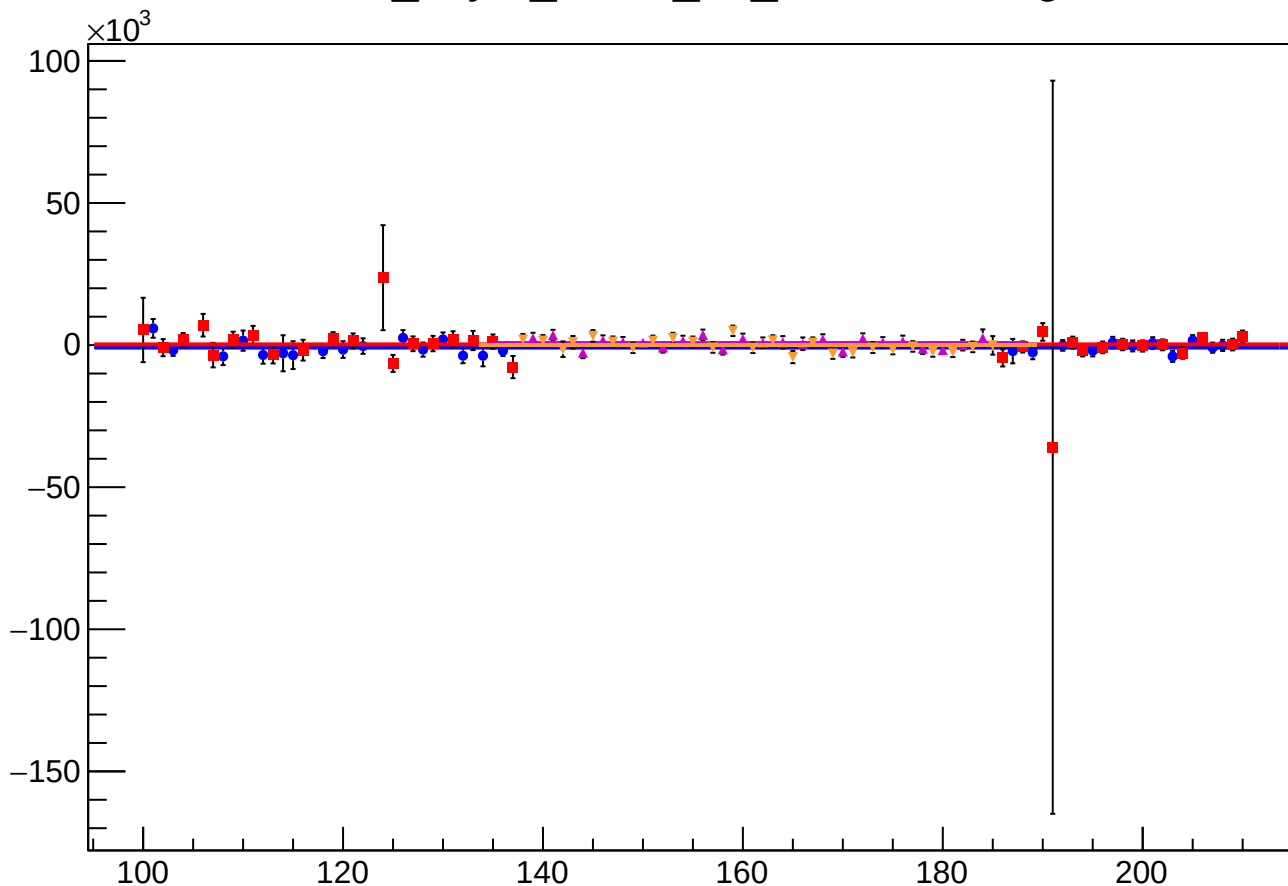
Left In: 3994.974 $\pm$ 0.676 χ^2 /NDF: 1538115.4/22

+ sign 4273.100 $\pm$ 0.530 χ^2 /NDF: 4596481.8/51

All: 2303.276 $\pm$ 0.265 χ^2 /NDF: 66048481.5/1

- sign 1643.824 $\pm$ 0.307 χ^2 /NDF: 43011833.3/55

cor_asym_atl1r2_dd_mean vs Slug



Right In: -860.910 ± 461.414 χ^2/NDF : 19.3/26

Left Out: 23.186 ± 387.732 χ^2/NDF : 29.5/24

Right Out: 252.182 ± 443.095 χ^2/NDF : 33.6/32

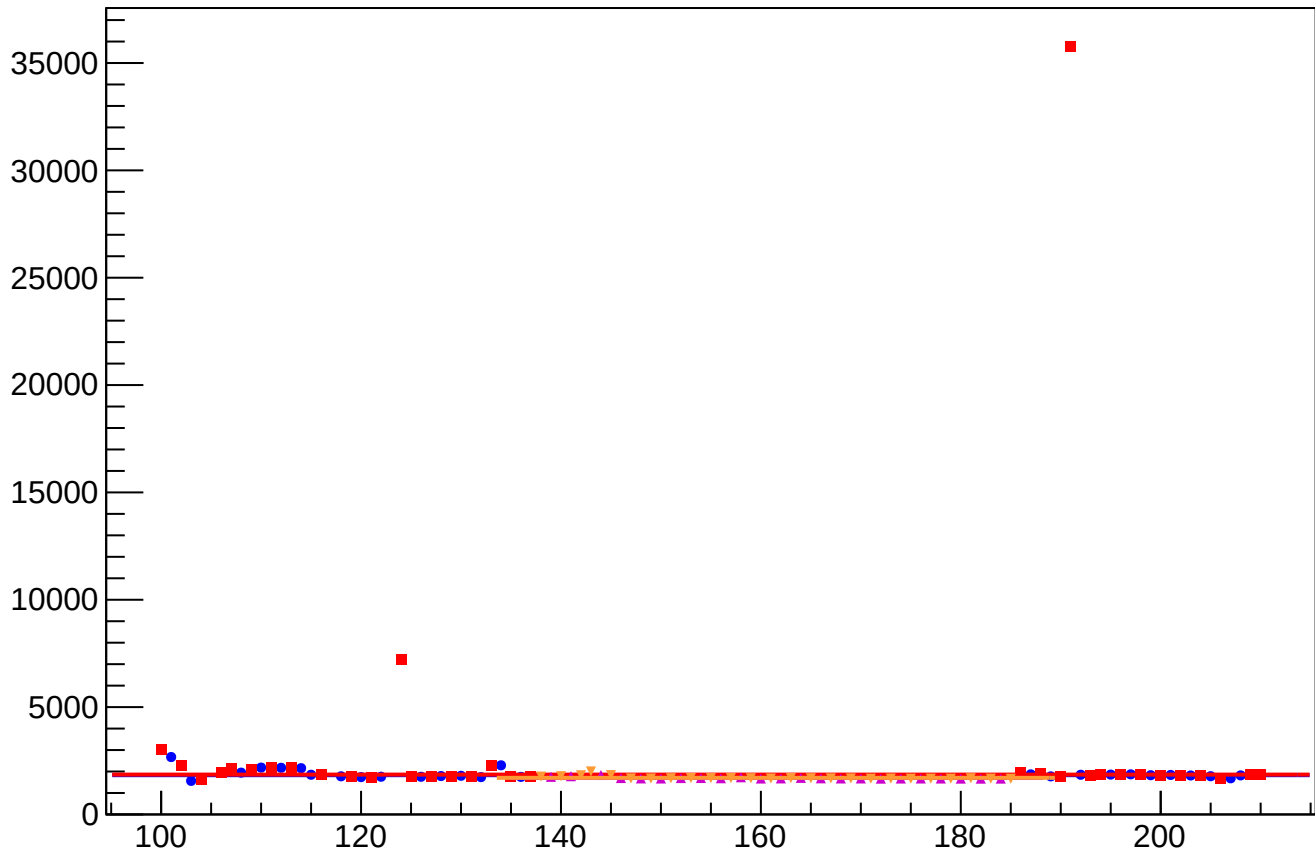
Left In: 719.380 ± 396.449 χ^2/NDF : 19.1/22

+ sign -342.721 ± 296.843 χ^2/NDF : 50.9/51

All: 86.476 ± 209.406 χ^2/NDF : 108.4/107

- sign 511.659 ± 295.452 χ^2/NDF : 53.3/55

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1828.909+/-0.326 χ^2/NDF : 278931.8/26

Left Out: 1705.635+/-0.274 χ^2/NDF : 59928.6/24

Right Out: 1856.214+/-0.313 χ^2/NDF : 536240.6/32

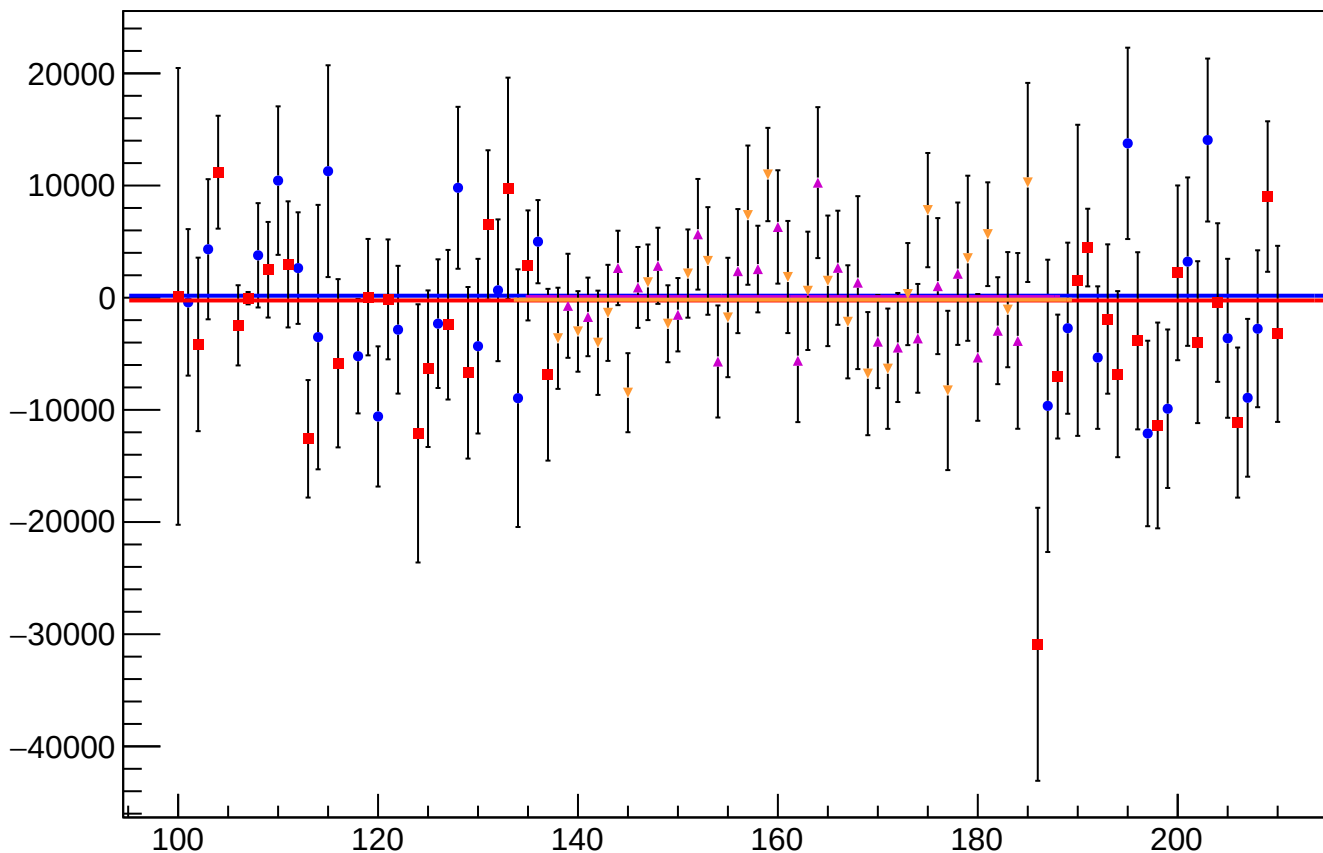
Left In: 1697.514+/-0.280 χ^2/NDF : 21146.9/22

+ sign 1756.655+/-0.210 χ^2/NDF : 422532.9/51

All: 1762.426+/-0.148 χ^2/NDF : 1124045.2/10

- sign 1768.138+/-0.209 χ^2/NDF : 700008.2/55

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 177.898 $\pm$ 1253.253 χ^2 /NDF: 28.4/26

Left Out: -175.755 $\pm$ 935.140 χ^2 /NDF: 27.9/24

Right Out: -245.603 $\pm$ 492.440 χ^2 /NDF: 35.9/32

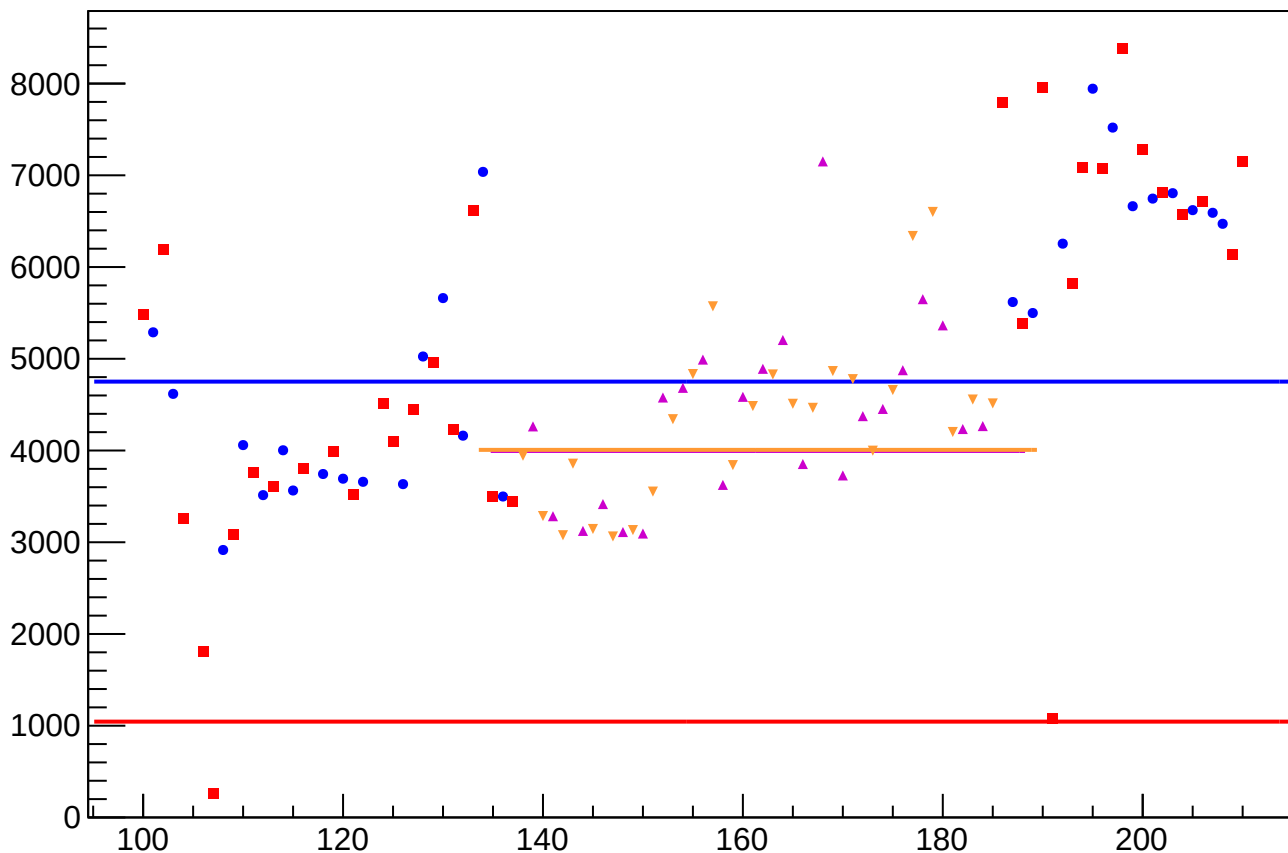
Left In: 56.377 $\pm$ 956.388 χ^2 /NDF: 14.3/22

+ sign -49.273 $\pm$ 749.488 χ^2 /NDF: 56.4/51

All: -148.471 $\pm$ 378.039 χ^2 /NDF: 106.7/107

- sign -182.320 $\pm$ 437.812 χ^2 /NDF: 50.3/55

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4751.047 $\pm$ 0.886 χ^2 /NDF: 2640001.1/26

Left Out: 4006.990 $\pm$ 0.661 χ^2 /NDF:1503698.2/24

Right Out: 1044.585 $\pm$ 0.348 χ^2 /NDF: 26358195.2/32

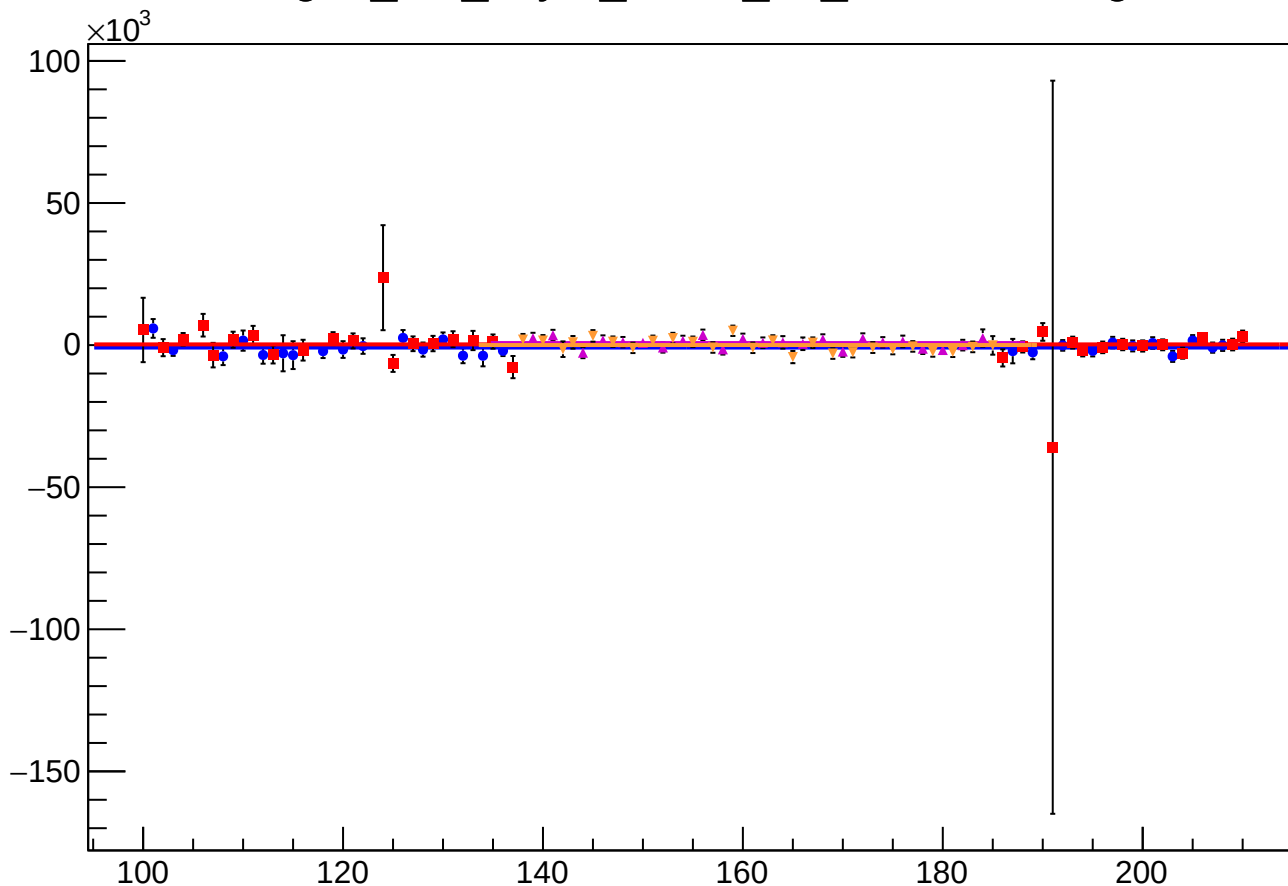
Left In: 3994.972 $\pm$ 0.676 χ^2 /NDF:1538098.4/22

+ sign 4273.098 $\pm$ 0.530 χ^2 /NDF: 4596534.2/51

All: 2326.950 $\pm$ 0.267 χ^2 /NDF: 65624272.7/1

- sign 1662.867 $\pm$ 0.310 χ^2 /NDF: 42941182.3/55

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -860.910 ± 461.414 χ^2/NDF : 19.3/26

Left Out: 23.186 ± 387.732 χ^2/NDF : 29.5/24

Right Out: 252.182 ± 443.095 χ^2/NDF : 33.6/32

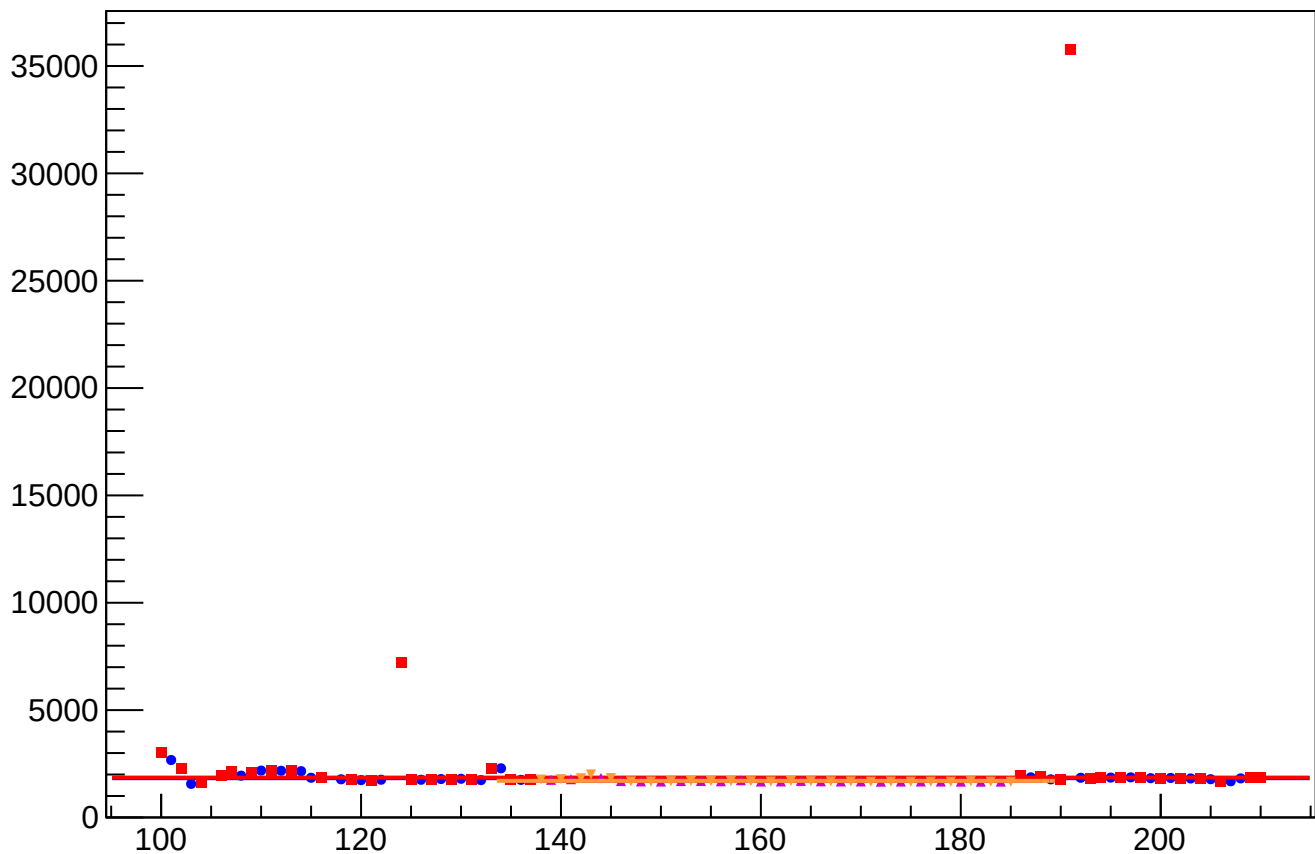
Left In: 719.380 ± 396.449 χ^2/NDF : 19.1/22

+ sign -342.721 ± 296.843 χ^2/NDF : 50.9/51

All: 86.476 ± 209.406 χ^2/NDF : 108.4/107

- sign 511.659 ± 295.452 χ^2/NDF : 53.3/55

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1828.909 $\pm$ 0.326 χ^2 /NDF: 278931.8/26

Left Out: 1705.635 $\pm$ 0.274 χ^2 /NDF: 59928.6/24

Right Out: 1856.214 $\pm$ 0.313 χ^2 /NDF: 536240.6/32

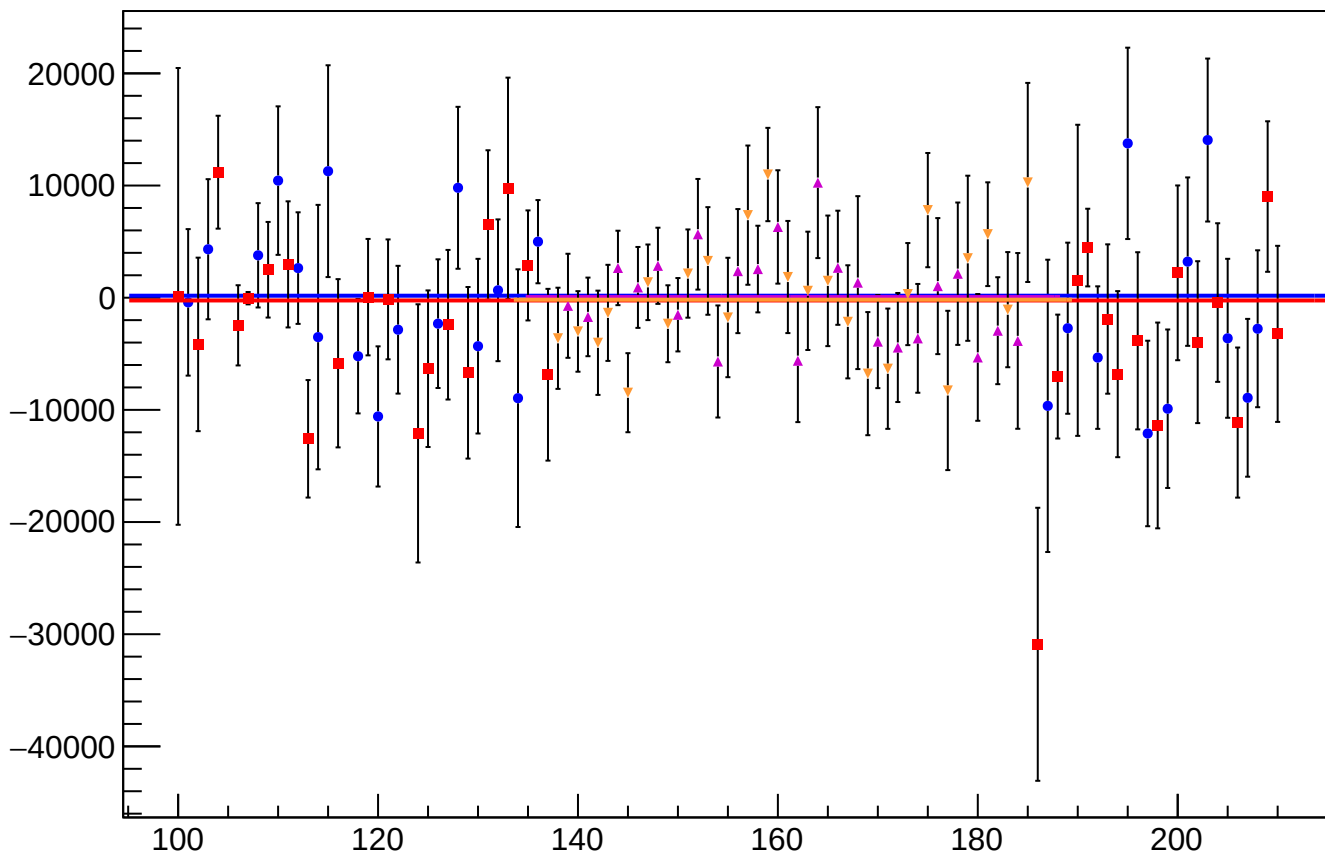
Left In: 1697.514 $\pm$ 0.280 χ^2 /NDF: 21146.9/22

+ sign 1756.655 $\pm$ 0.210 χ^2 /NDF: 422532.9/51

All: 1762.426 $\pm$ 0.148 χ^2 /NDF: 1124045.2/10

- sign 1768.138 $\pm$ 0.209 χ^2 /NDF: 700008.2/55

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 177.898 $\pm$ 1253.253 χ^2 /NDF: 28.4/26

Left Out: -175.755 $\pm$ 935.140 χ^2 /NDF: 27.9/24

Right Out: -245.603 $\pm$ 492.440 χ^2 /NDF: 35.9/32

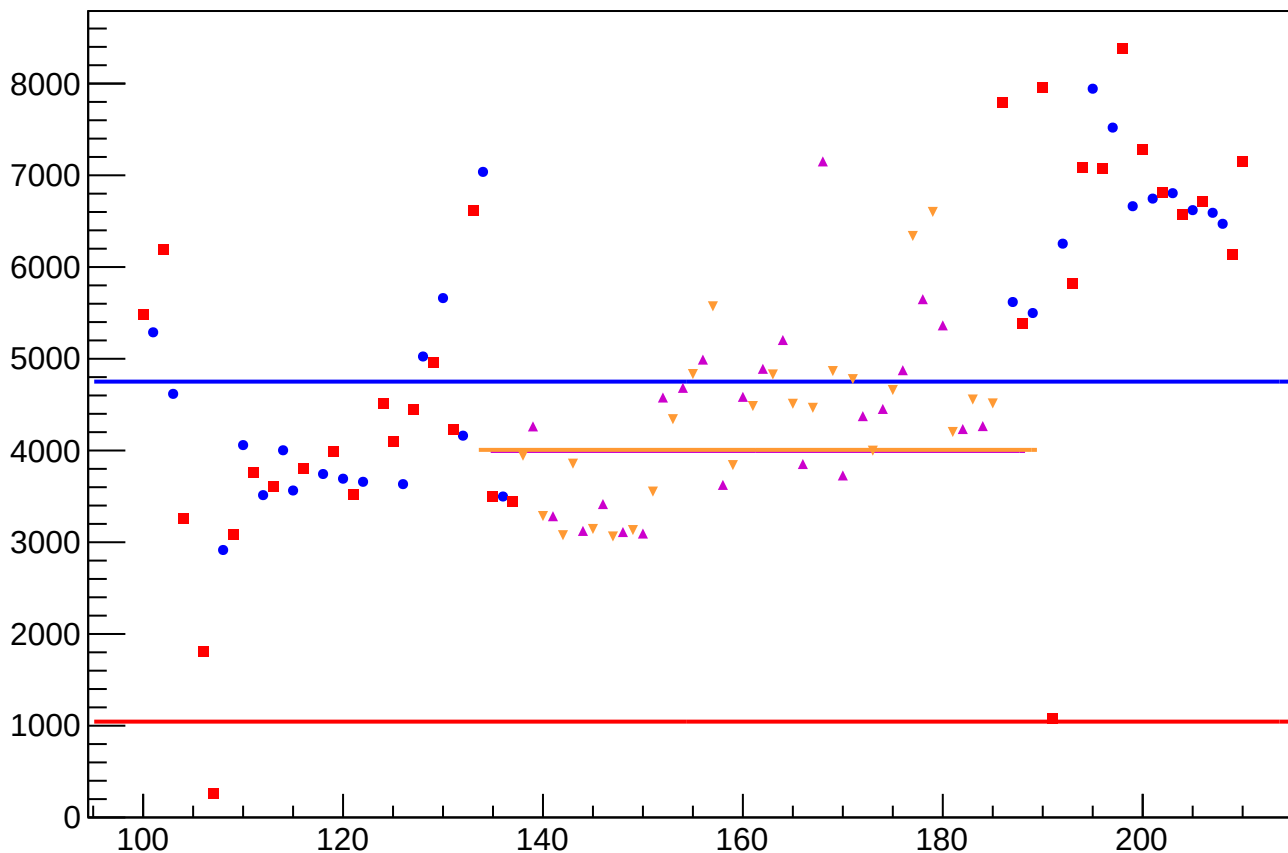
Left In: 56.377 $\pm$ 956.388 χ^2 /NDF: 14.3/22

+ sign -49.273 $\pm$ 749.488 χ^2 /NDF: 56.4/51

All: -148.471 $\pm$ 378.039 χ^2 /NDF: 106.7/107

- sign -182.320 $\pm$ 437.812 χ^2 /NDF: 50.3/55

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4751.047 $\pm$ 0.886 χ^2 /NDF: 2640001.1/26

Left Out: 4006.990 $\pm$ 0.661 χ^2 /NDF: 1503698.2/24

Right Out: 1044.585 $\pm$ 0.348 χ^2 /NDF: 26358195.2/32

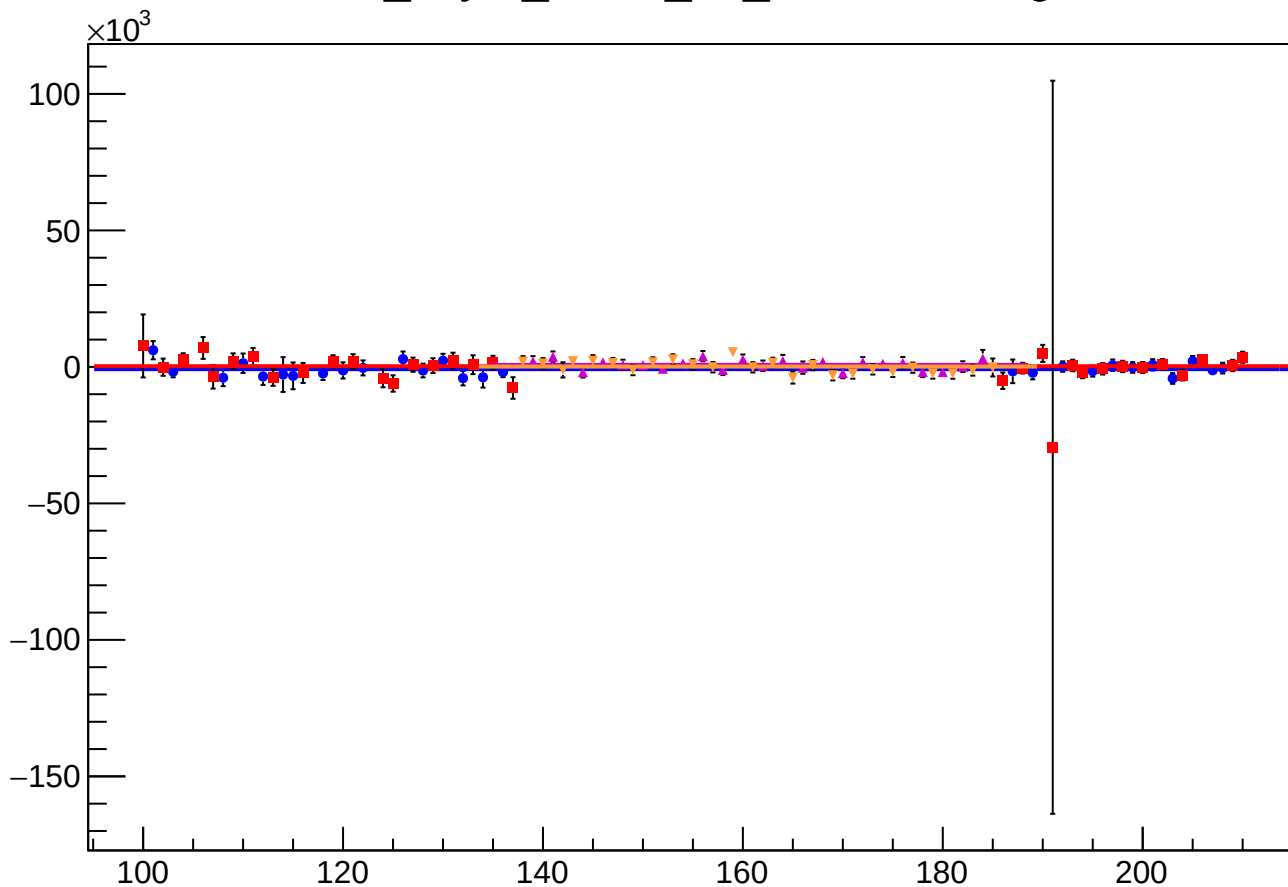
Left In: 3994.972 $\pm$ 0.676 χ^2 /NDF: 1538098.4/22

+ sign 4273.098 $\pm$ 0.530 χ^2 /NDF: 4596534.2/51

All: 2326.950 $\pm$ 0.267 χ^2 /NDF: 65624272.7/1

- sign 1662.867 $\pm$ 0.310 χ^2 /NDF: 42941182.3/55

dit_asym_atl1r2_dd_mean vs Slug



Right In: -822.330 ± 466.371 χ^2/NDF : 20.5/26

Left Out: 119.959 ± 389.458 χ^2/NDF : 29.7/24

Right Out: 254.290 ± 444.840 χ^2/NDF : 35.5/32

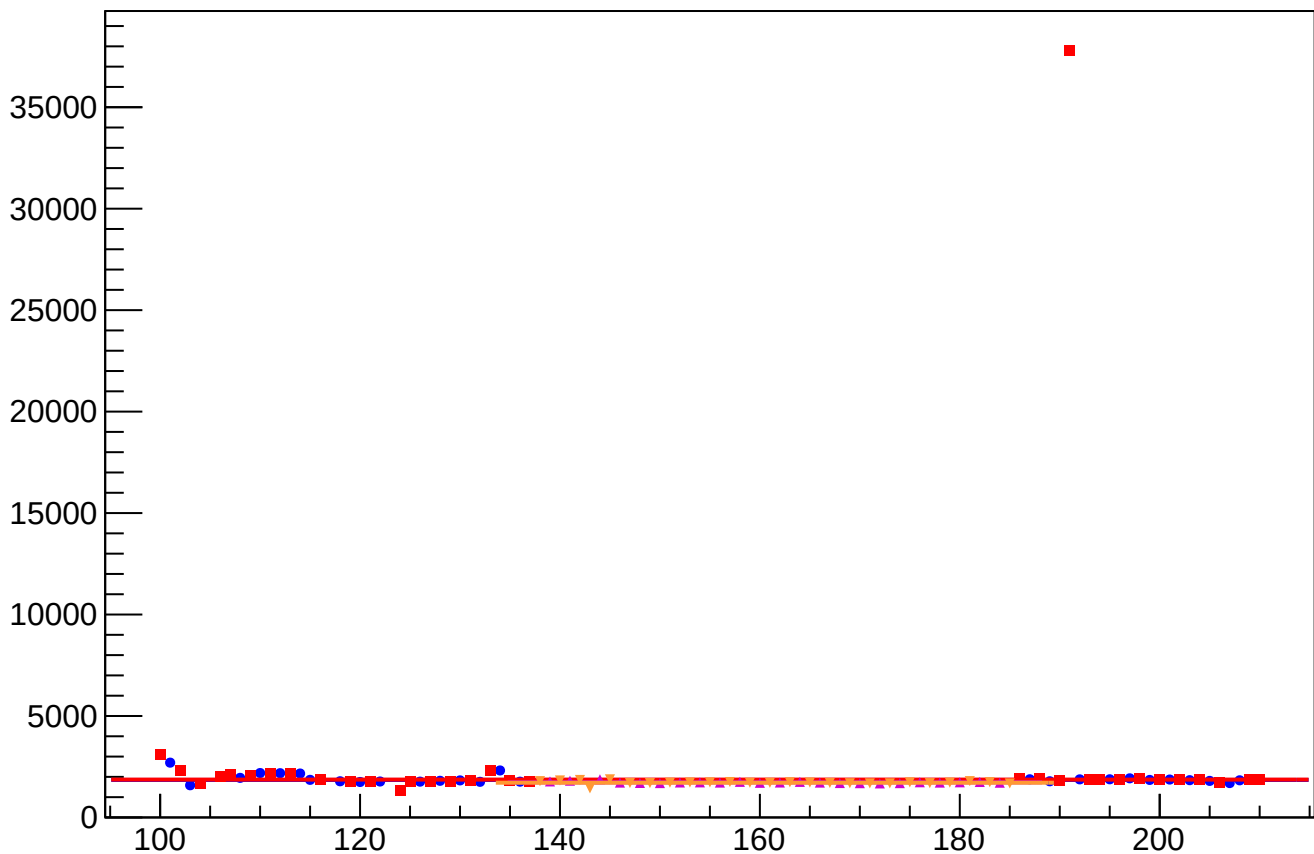
Left In: 741.191 ± 404.161 χ^2/NDF : 19.0/22

+ sign -267.181 ± 298.933 χ^2/NDF : 52.6/51

All: 126.652 ± 211.449 χ^2/NDF : 111.3/107

- sign 521.017 ± 299.135 χ^2/NDF : 55.2/55

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1848.326 ± 0.330 χ^2/NDF : 279064.2/26

Left Out: 1712.310 ± 0.275 χ^2/NDF : 94399.0/24

Right Out: 1865.122 ± 0.314 χ^2/NDF : 430575.0/32

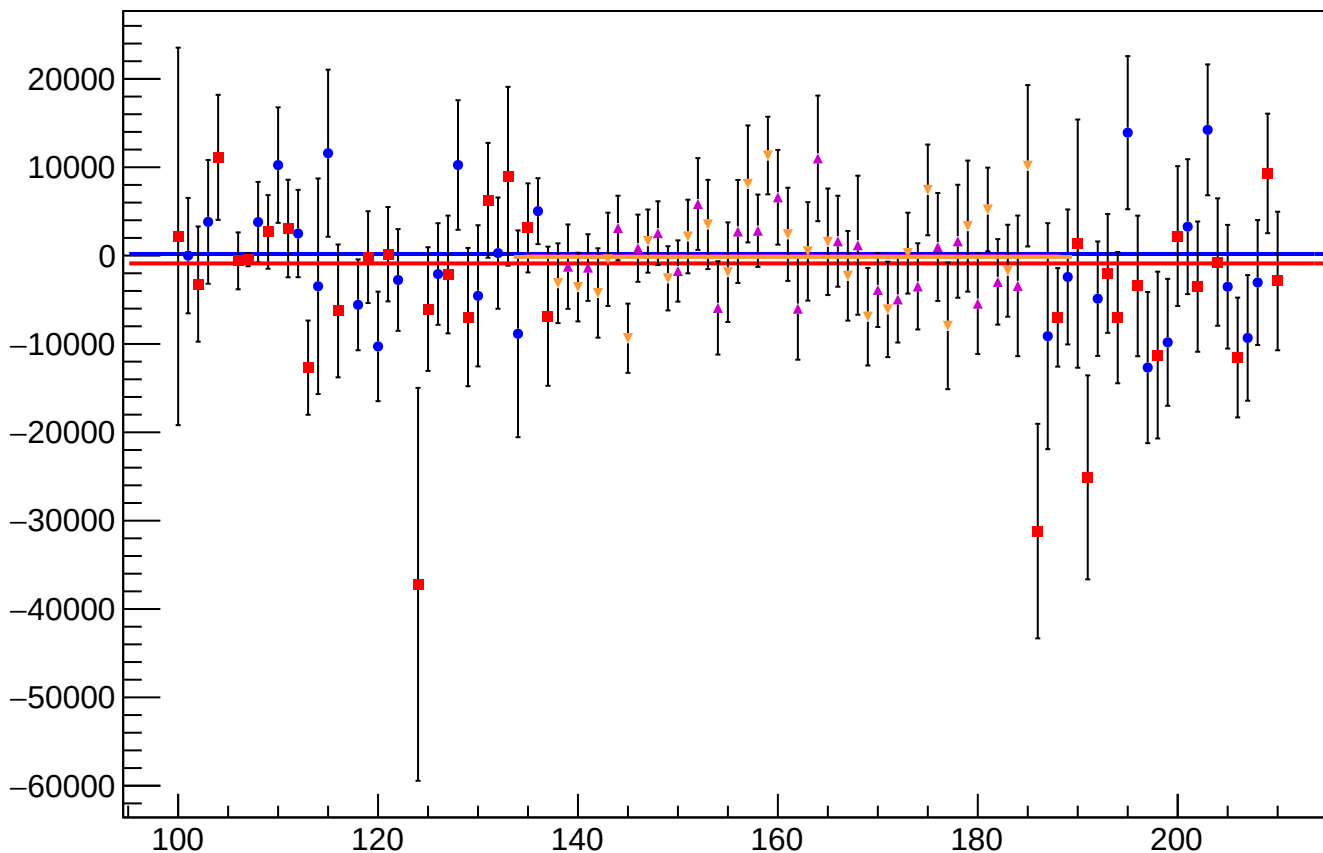
Left In: 1730.342 ± 0.286 χ^2/NDF : 23075.7/22

+ sign 1768.192 ± 0.211 χ^2/NDF : 473687.7/51

All: 1779.745 ± 0.150 χ^2/NDF : 1033930.9/10

- sign 1791.311 ± 0.211 χ^2/NDF : 554265.0/55

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 184.241 $\pm$ 1263.604 χ^2 /NDF: 28.1/26

Left Out: -150.169 $\pm$ 984.984 χ^2 /NDF: 26.9/24

Right Out: -884.330 $\pm$ 627.663 χ^2 /NDF: 36.2/32

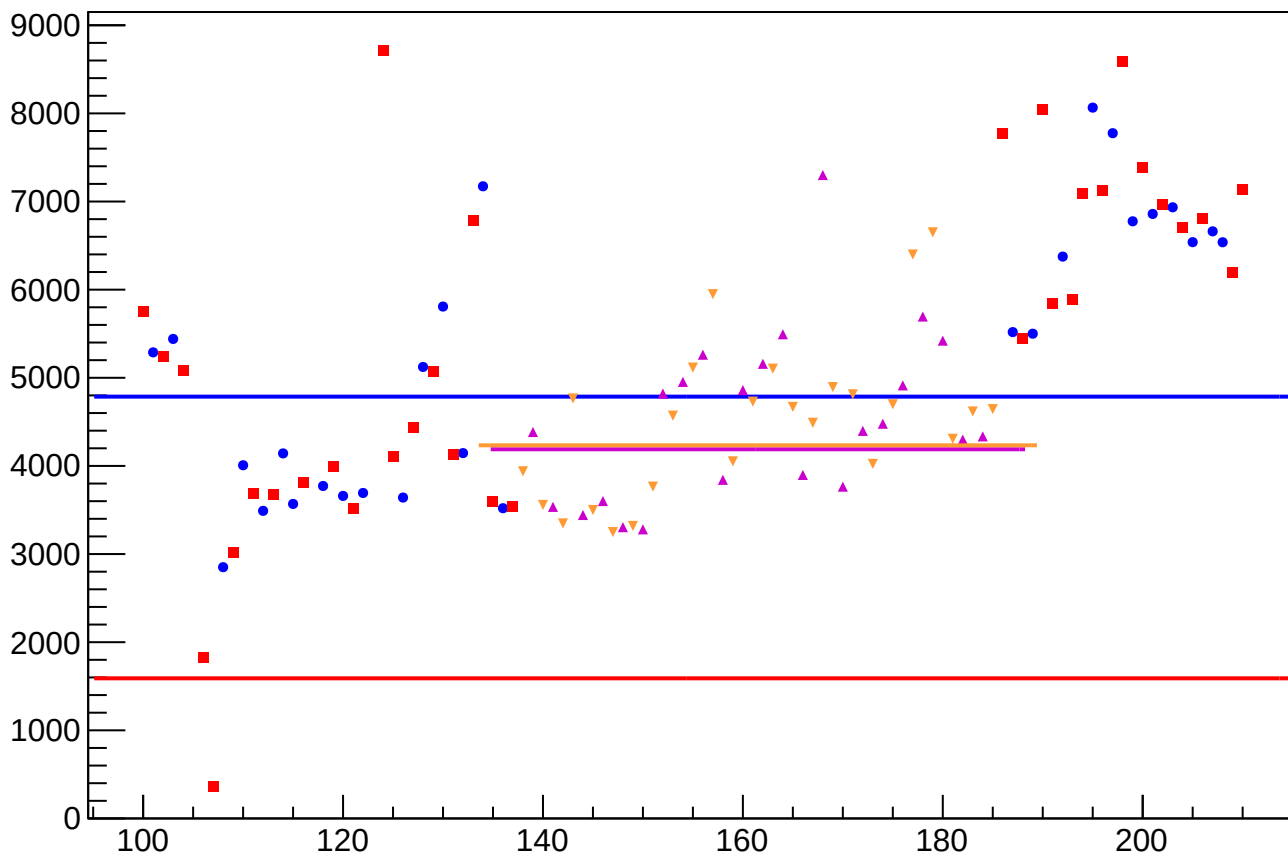
Left In: -65.169 $\pm$ 1000.106 χ^2 /NDF: 14.0/22

+ sign -23.773 $\pm$ 776.849 χ^2 /NDF: 55.0/51

All: -452.205 $\pm$ 438.735 χ^2 /NDF: 106.1/107

- sign -652.854 $\pm$ 531.636 χ^2 /NDF: 50.7/55

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4786.221+/-0.894 χ^2/NDF : 2793236.3/26

Left Out: 4233.905+/-0.696 χ^2/NDF :1284783.2/24

Right Out: 1589.966+/-0.444 χ^2/NDF : 23179565.1/32

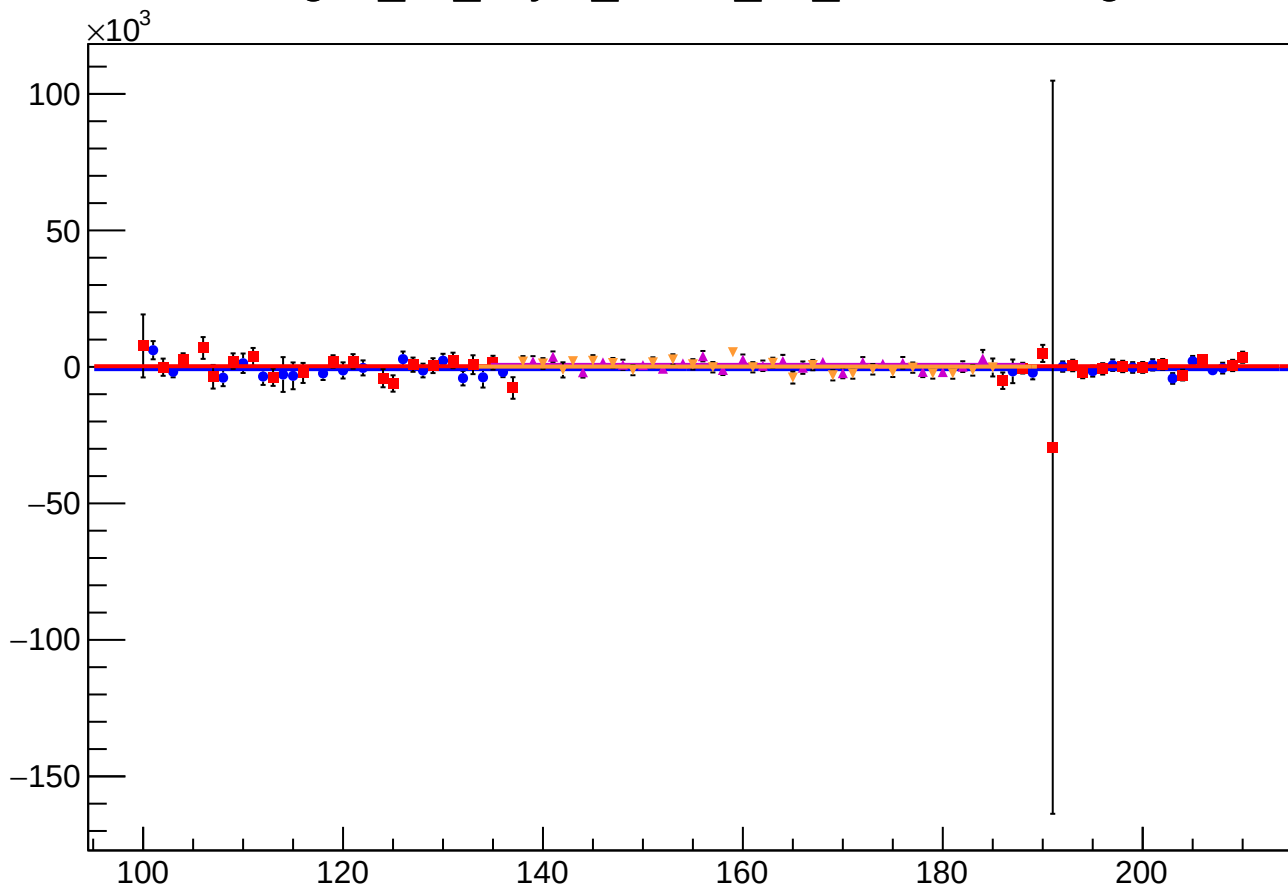
Left In: 4188.874+/-0.707 χ^2/NDF :1344602.0/22

+ sign 4442.661+/-0.549 χ^2/NDF : 4315702.6/51

All: 3000.001+/-0.310 χ^2/NDF : 48656895.9/100

- sign 2324.356+/-0.376 χ^2/NDF : 34213529.0/55

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -822.331 ± 466.371 χ^2/NDF : 20.5/26

Left Out: 119.962 ± 389.458 χ^2/NDF : 29.7/24

Right Out: 254.290 ± 444.841 χ^2/NDF : 35.5/32

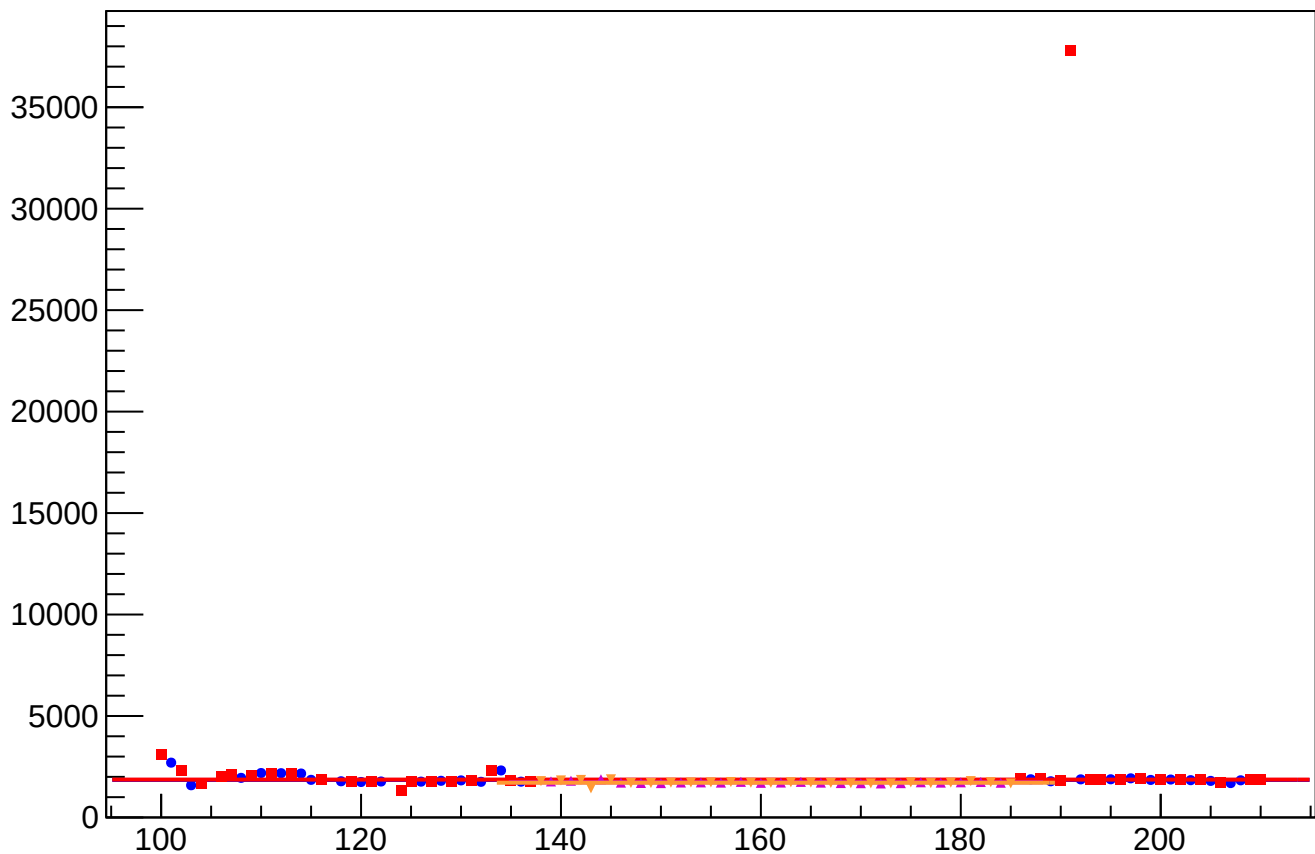
Left In: 741.189 ± 404.161 χ^2/NDF : 19.0/22

+ sign -267.179 ± 298.933 χ^2/NDF : 52.6/51

All: 126.652 ± 211.449 χ^2/NDF : 111.3/107

- sign 521.016 ± 299.135 χ^2/NDF : 55.2/55

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1848.326+/-0.330 χ^2 /NDF: 279064.0/26

Left Out: 1712.310+/-0.275 χ^2 /NDF: 94398.1/24

Right Out: 1865.122+/-0.314 χ^2 /NDF: 430575.3/32

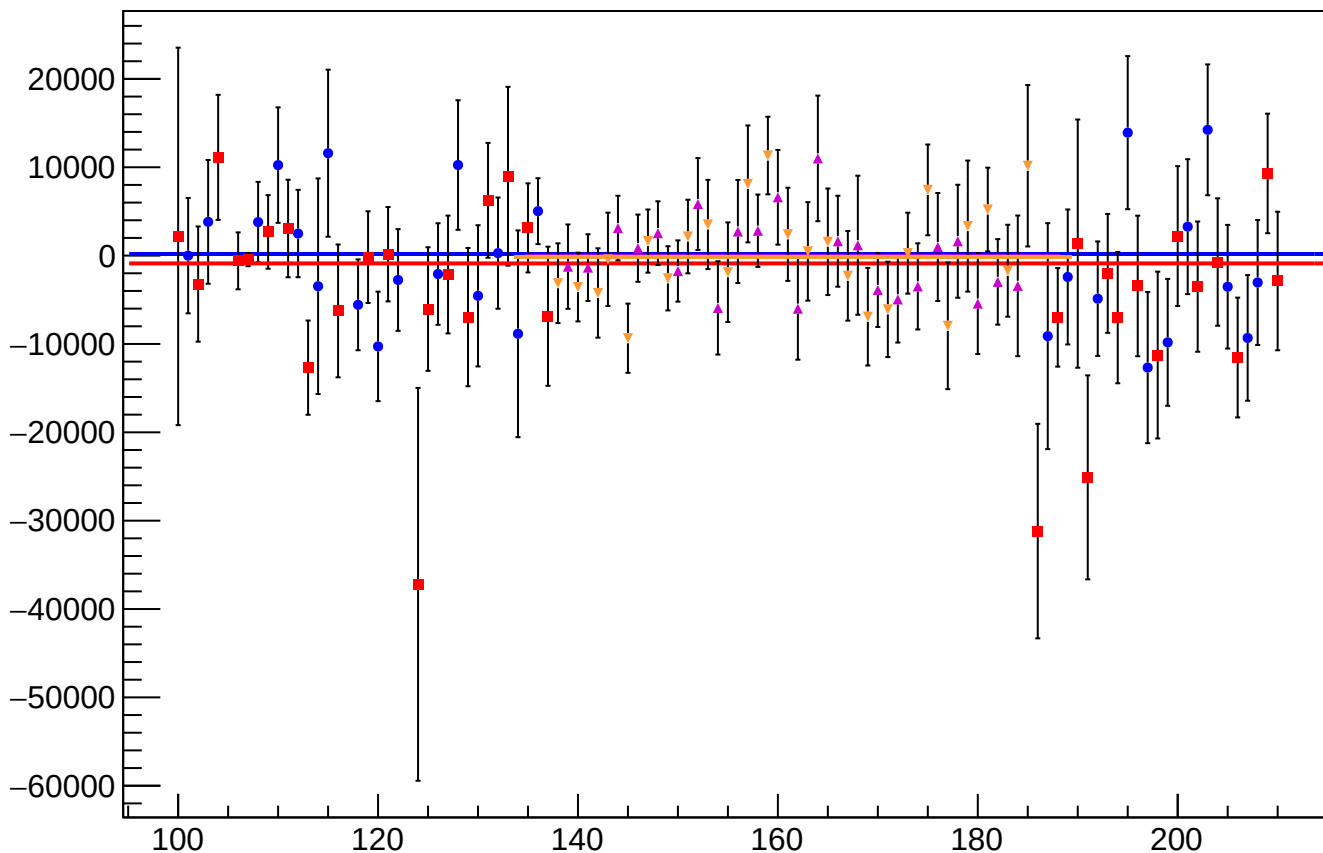
Left In: 1730.342+/-0.286 χ^2 /NDF: 23075.7/22

+ sign 1768.192+/-0.211 χ^2 /NDF: 473685.7/51

All: 1779.746+/-0.150 χ^2 /NDF: 1033928.6/10

- sign 1791.312+/-0.211 χ^2 /NDF: 554264.7/55

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug



Right In: 184.231 $\pm$ 1263.603 χ^2 /NDF: 28.1/26

Left Out: -150.169 $\pm$ 984.986 χ^2 /NDF: 26.9/24

Right Out: -884.348 $\pm$ 627.672 χ^2 /NDF: 36.2/32

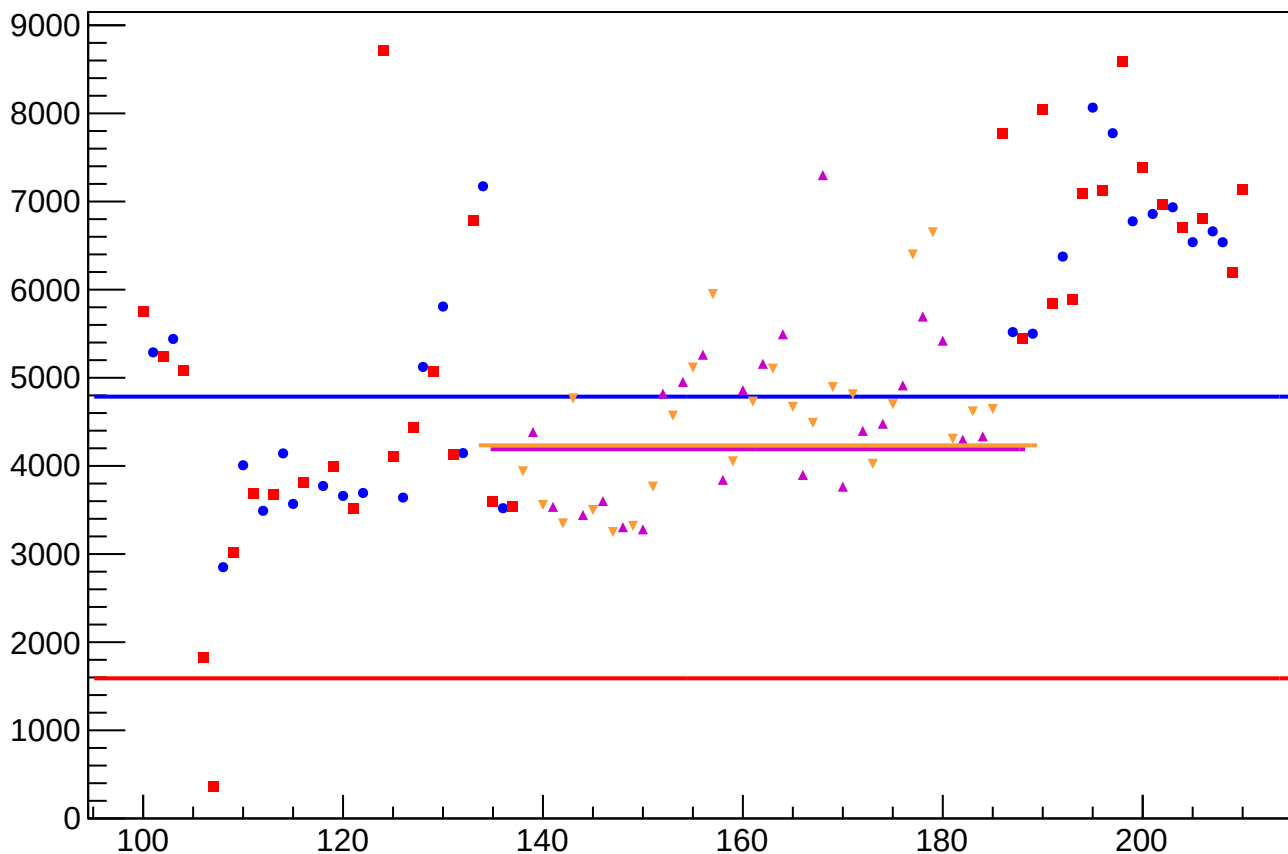
Left In: -65.171 $\pm$ 1000.108 χ^2 /NDF: 14.0/22

+ sign -23.777 $\pm$ 776.850 χ^2 /NDF: 55.0/51

All: -452.210 $\pm$ 438.738 χ^2 /NDF: 106.1/107

- sign -652.863 $\pm$ 531.642 χ^2 /NDF: 50.7/55

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4786.216 $\pm$ 0.894 χ^2 /NDF: 2793256.0/26

Left Out: 4233.911 $\pm$ 0.696 χ^2 /NDF:1284785.6/24

Right Out: 1590.009 $\pm$ 0.444 χ^2 /NDF: 23179260.3/32

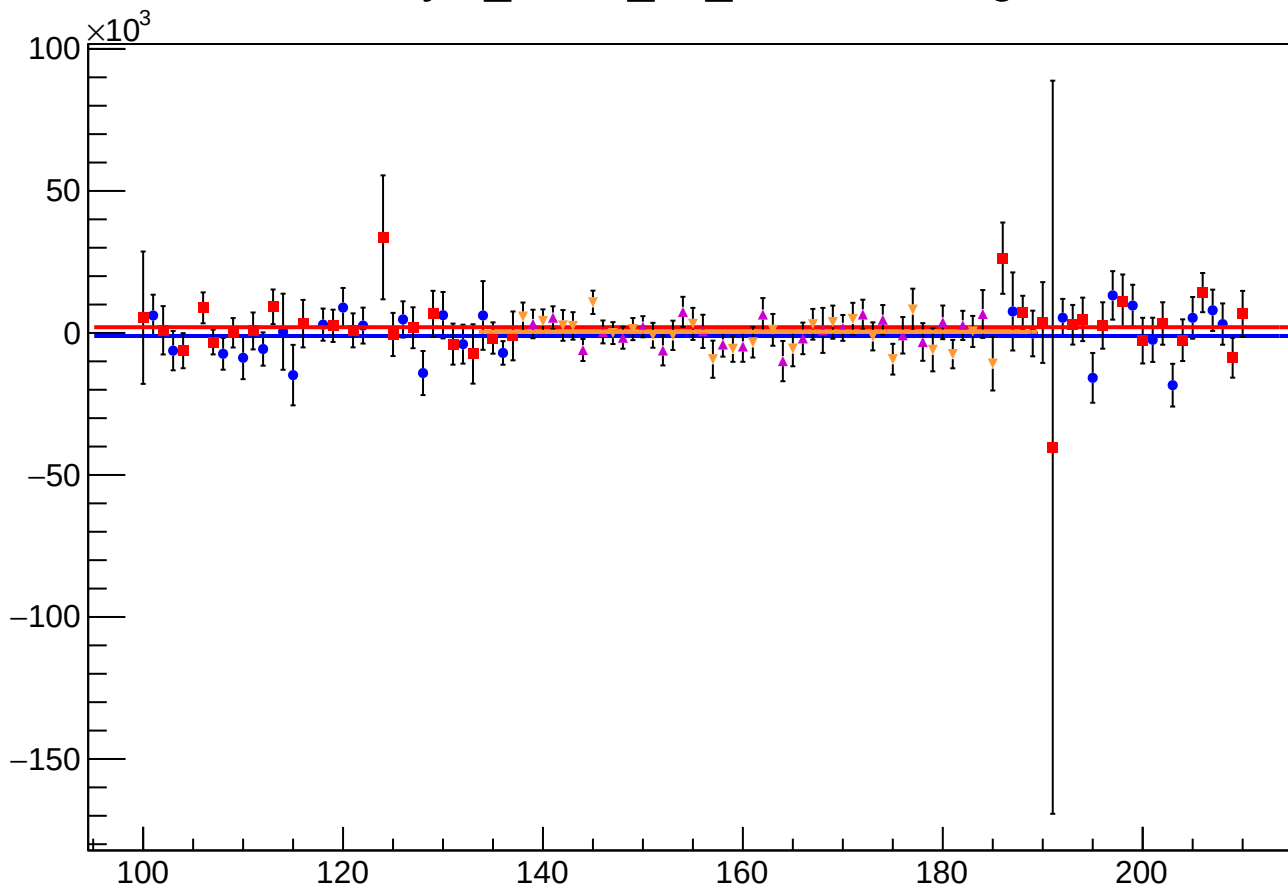
Left In: 4188.880 $\pm$ 0.707 χ^2 /NDF:1344607.0/22

+ sign 4442.664 $\pm$ 0.549 χ^2 /NDF: 4315715.4/51

All: 3000.043 $\pm$ 0.310 χ^2 /NDF: 48655725.9/1

- sign 2324.402 $\pm$ 0.376 χ^2 /NDF: 34212851.3/55

asym_atl1r2_dd_mean vs Slug



Right In: -1072.829 ± 1371.258 χ^2/NDF : 33.2/26

Left Out: 398.336 ± 1028.431 χ^2/NDF : 24.7/24

Right Out: 2025.707 ± 1259.440 χ^2/NDF : 23.4/32

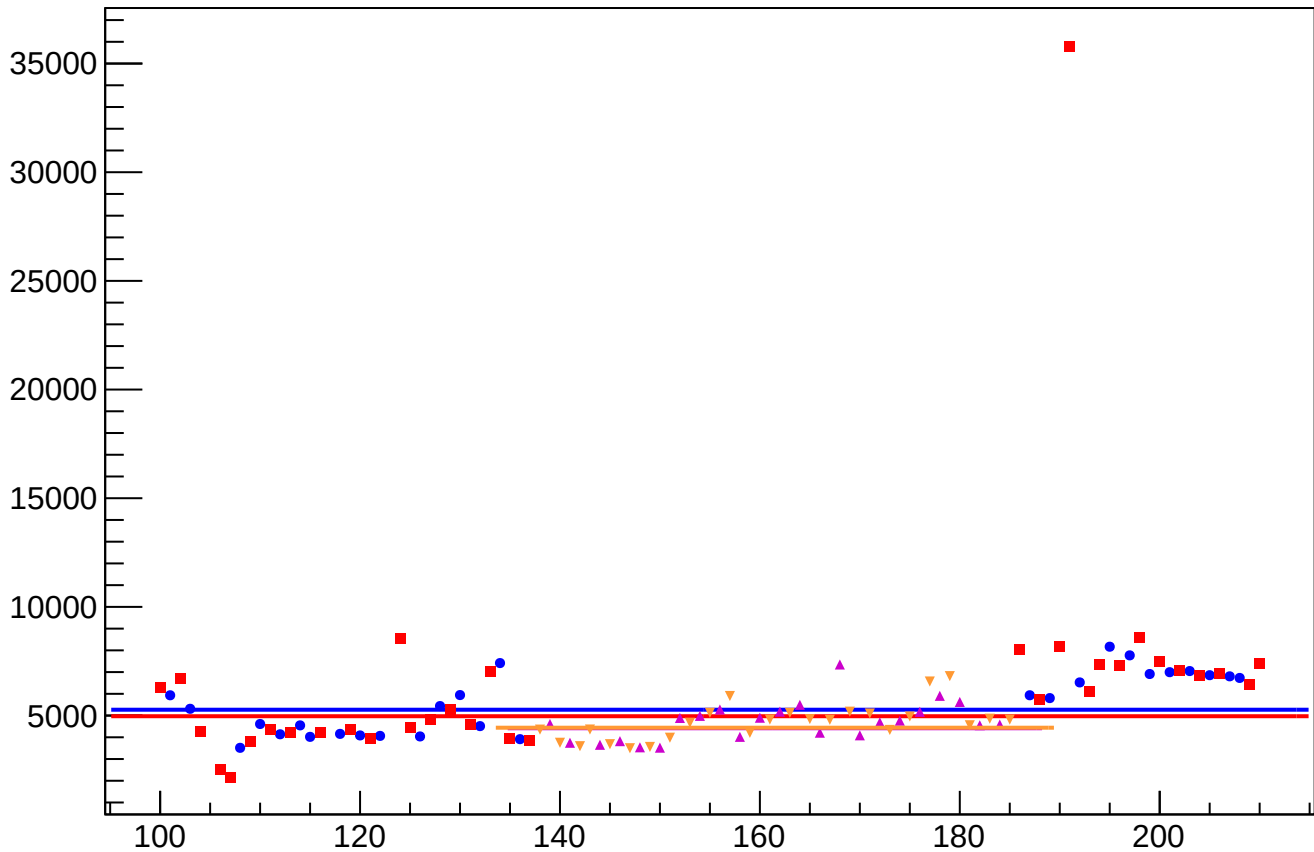
Left In: 502.999 ± 1049.682 χ^2/NDF : 17.3/22

+ sign -131.275 ± 822.748 χ^2/NDF : 58.7/51

All: 510.617 ± 575.883 χ^2/NDF : 101.5/107

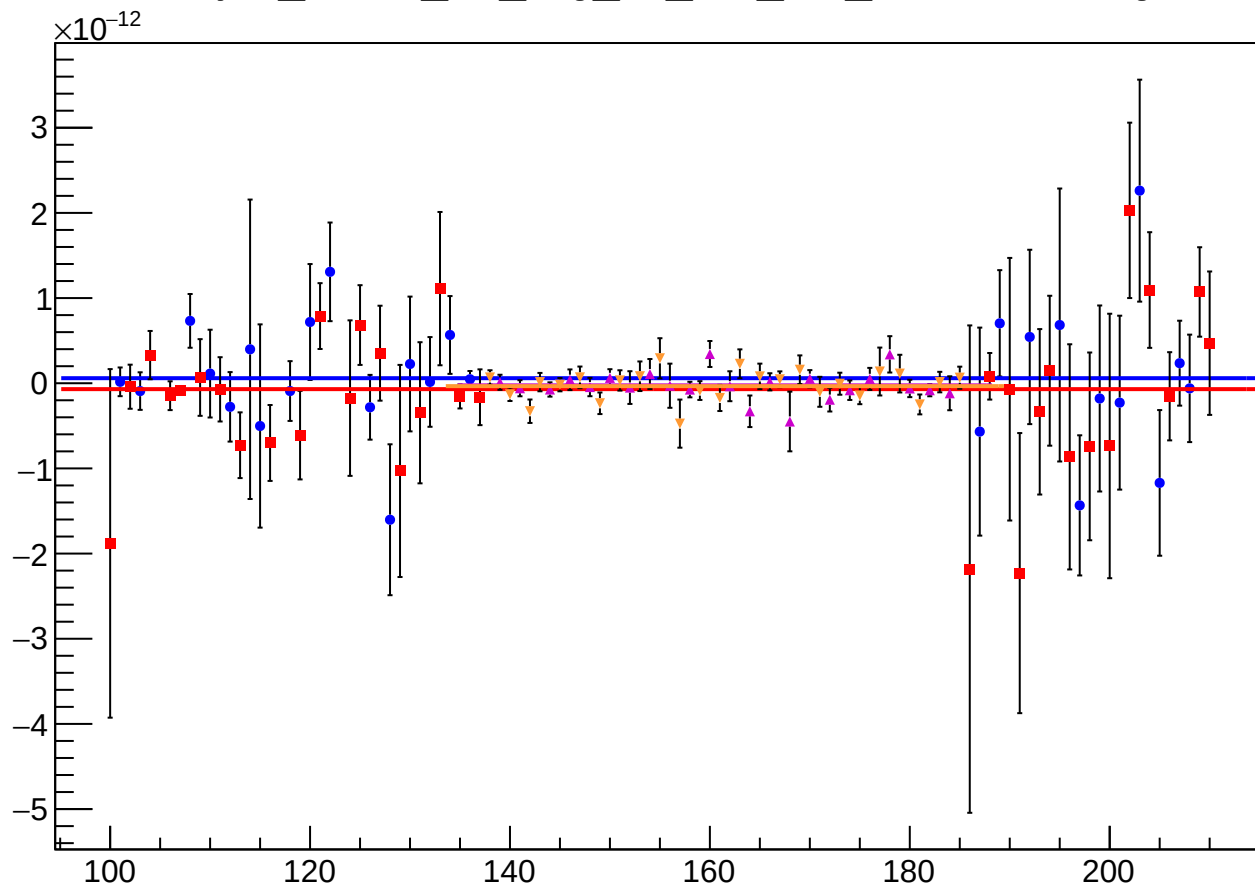
- sign 1127.164 ± 806.341 χ^2/NDF : 41.6/55

asym_atl1r2_dd_rms vs Slug



Right In: 5268.573+/-0.970	χ^2/NDF : 1984261.1/26	+ sign 4738.800+/-0.582	χ^2/NDF : 3523811.4/51
Left Out: 4440.810+/-0.727	χ^2/NDF : 1073119.1/24	All: 4690.443+/-0.407	χ^2/NDF : 8837352.2/10
Right Out: 4969.403+/-0.885	χ^2/NDF : 3958442.5/32	- sign 4644.248+/-0.569	χ^2/NDF : 5300031.6/55
Left In: 4415.366+/-0.742	χ^2/NDF : 1111411.1/22		

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.6/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.5/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.0/32

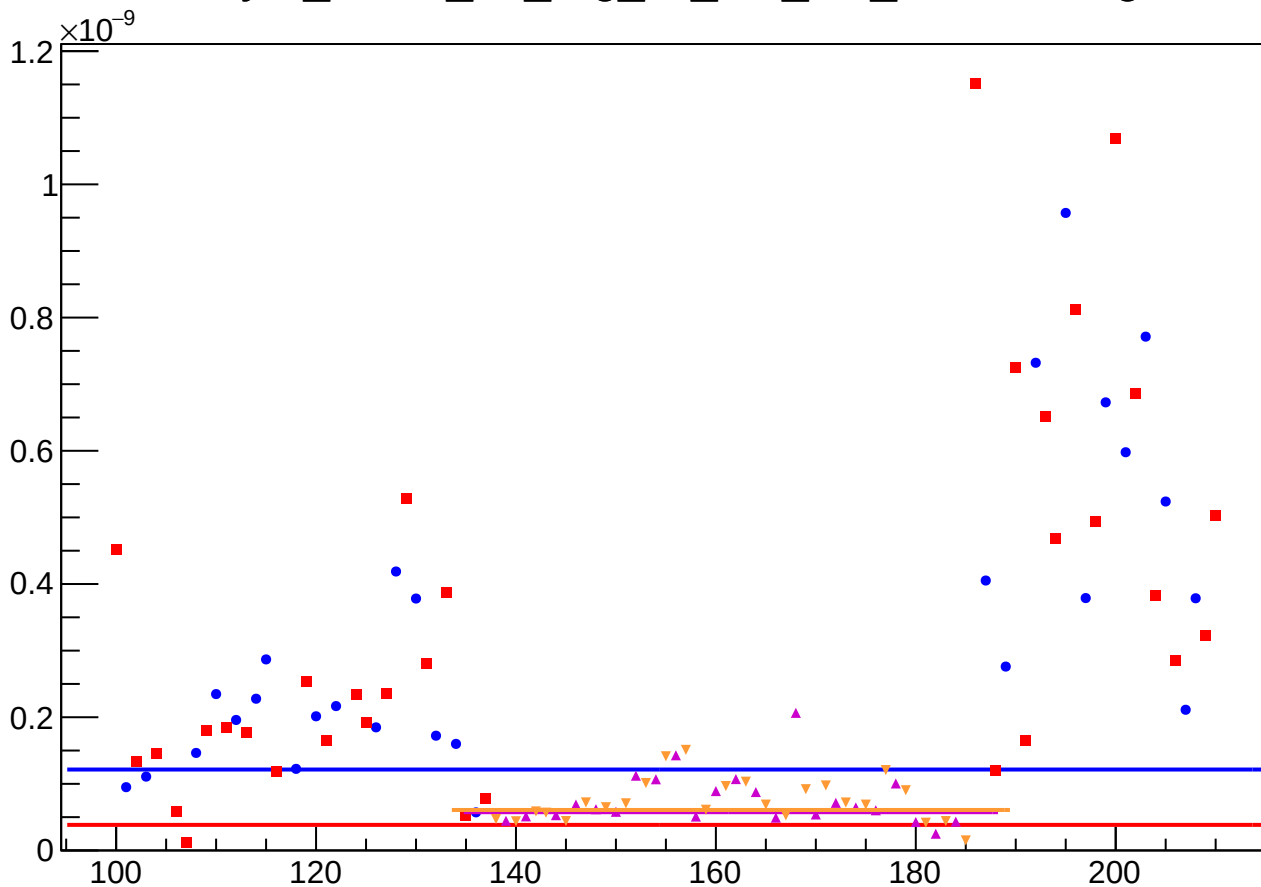
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.3/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 57.9/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 114.7/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 56.5/55

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 5734831.4/26

Left Out: 0.000 +/- 0.000 χ^2/NDF : 1723737.8/24

Right Out: 0.000 +/- 0.000 χ^2/NDF : 11532751.3/32

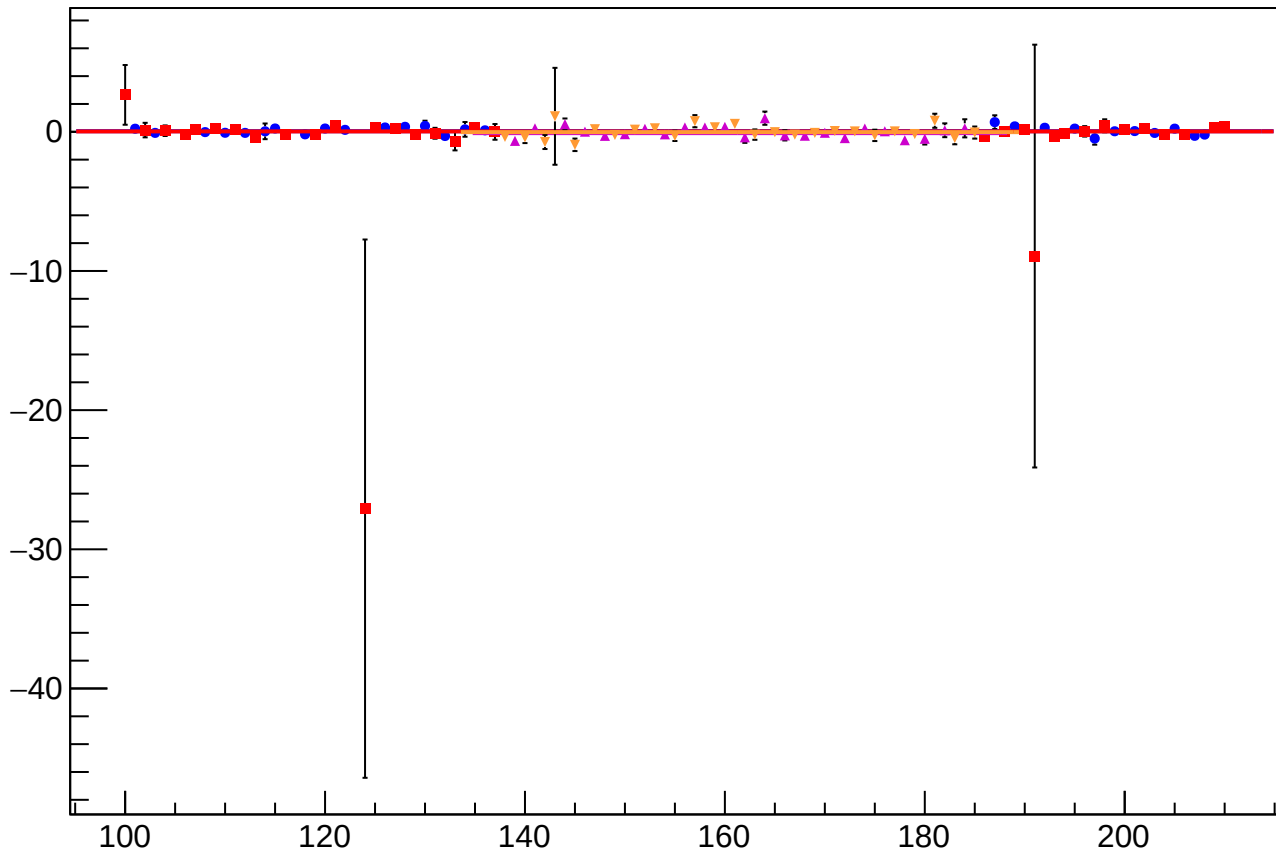
Left In: 0.000 +/- 0.000 χ^2/NDF : 1878360.3/22

+ sign 0.000 +/- 0.000 χ^2/NDF : 8957517.0/51

All: 0.000 +/- 0.000 χ^2/NDF : 23484230.5/107

- sign 0.000 +/- 0.000 χ^2/NDF : 13845220.8/55

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.043 $\pm$ 0.051 χ^2 /NDF: 19.9/26

Left Out: -0.024 $\pm$ 0.062 χ^2 /NDF: 23.5/24

Right Out: 0.029 $\pm$ 0.044 χ^2 /NDF: 35.2/32

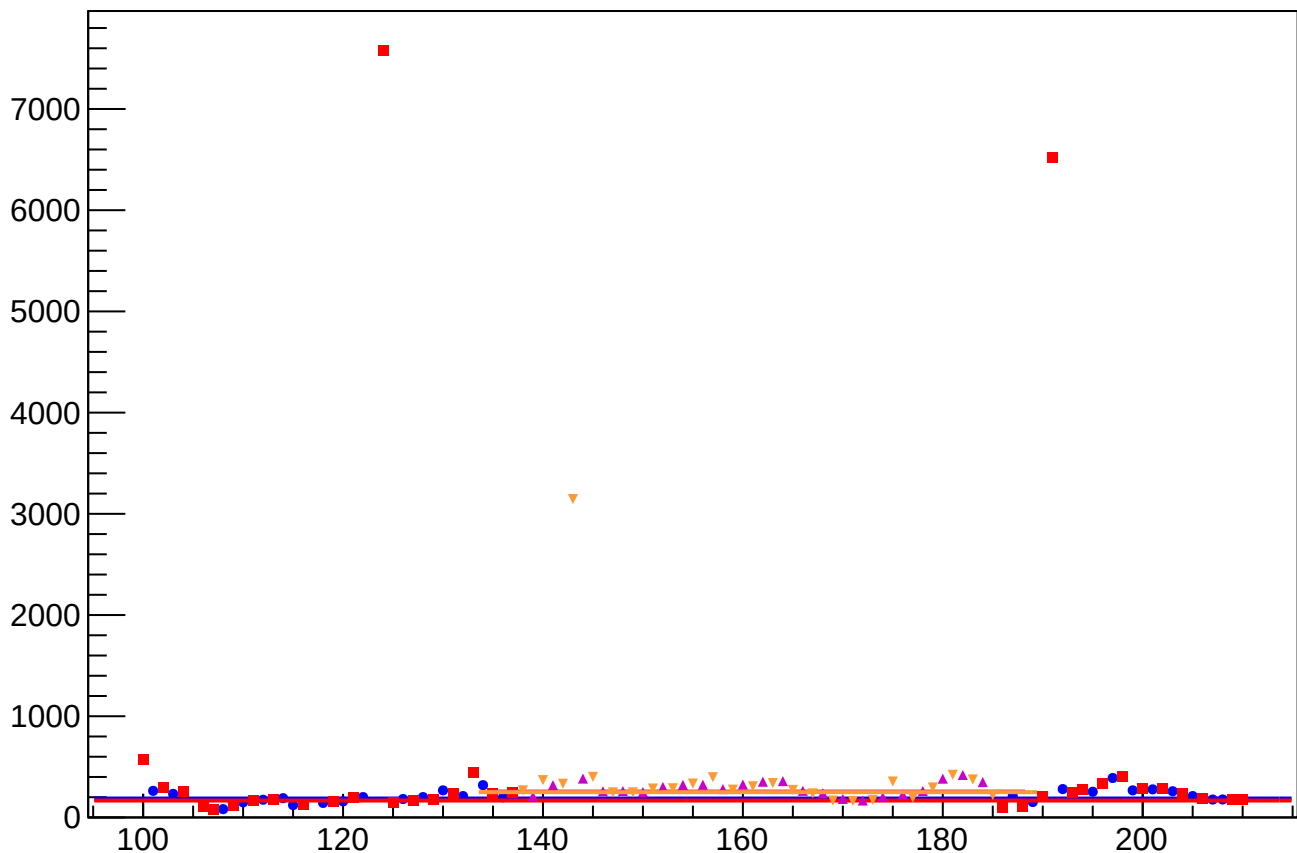
Left In: -0.095 $\pm$ 0.063 χ^2 /NDF: 31.5/22

+ sign 0.016 $\pm$ 0.039 χ^2 /NDF: 44.2/51

All: 0.001 $\pm$ 0.027 χ^2 /NDF: 113.8/107

- sign -0.013 $\pm$ 0.036 χ^2 /NDF: 69.3/55

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 187.054 $\pm$ 0.036 χ^2 /NDF: 2967674.7/26

Left Out: 249.848 $\pm$ 0.044 χ^2 /NDF: 4234507.4/24

Right Out: 167.309 $\pm$ 0.031 χ^2 /NDF: 5314259.5/32

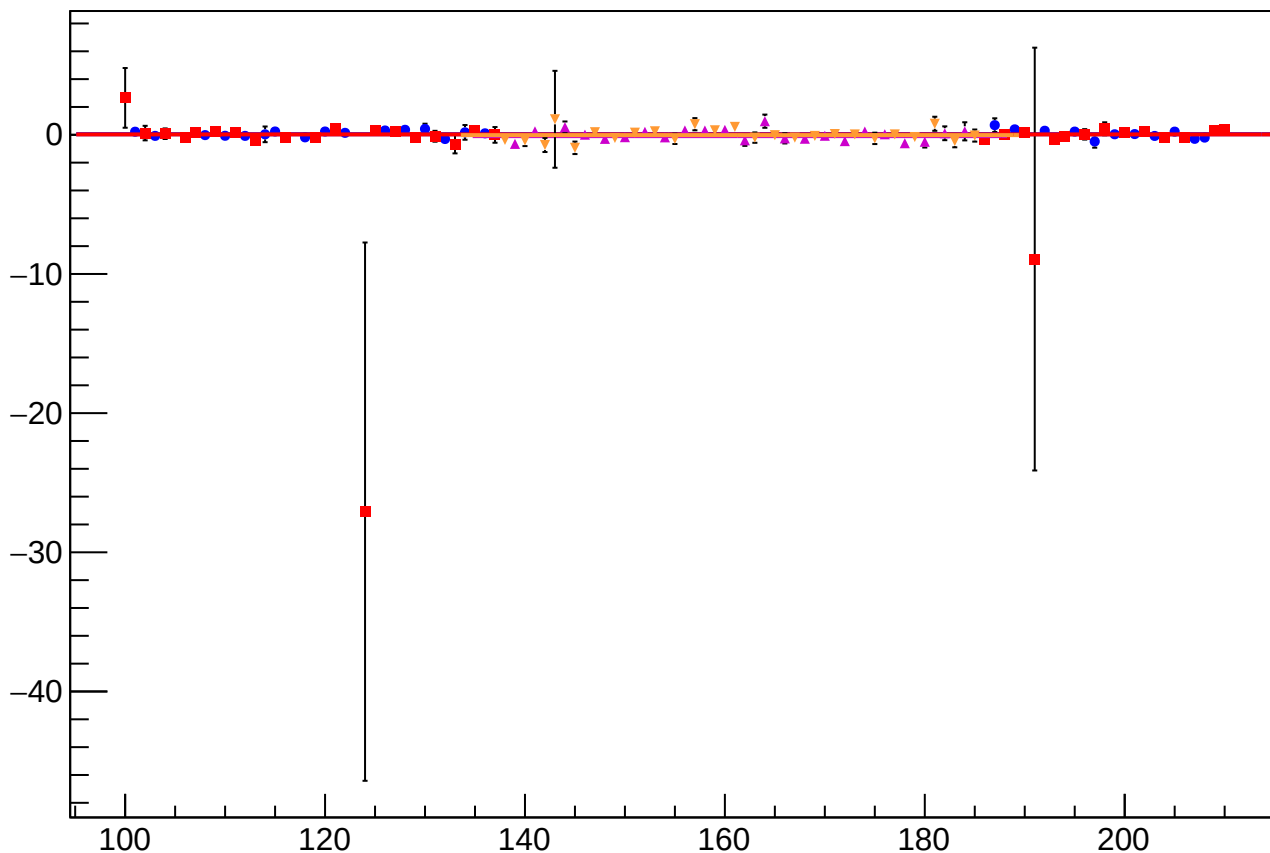
Left In: 255.299 $\pm$ 0.045 χ^2 /NDF: 2111552.0/22

+ sign 212.423 $\pm$ 0.028 χ^2 /NDF: 8440093.0/51

All: 203.912 $\pm$ 0.019 χ^2 /NDF: 18644931.6/10

- sign 196.584 $\pm$ 0.026 χ^2 /NDF: 10029073.8/55

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043 ± 0.051 χ^2/NDF : 19.9/26

Left Out: -0.024 ± 0.062 χ^2/NDF : 23.5/24

Right Out: 0.029 ± 0.044 χ^2/NDF : 35.2/32

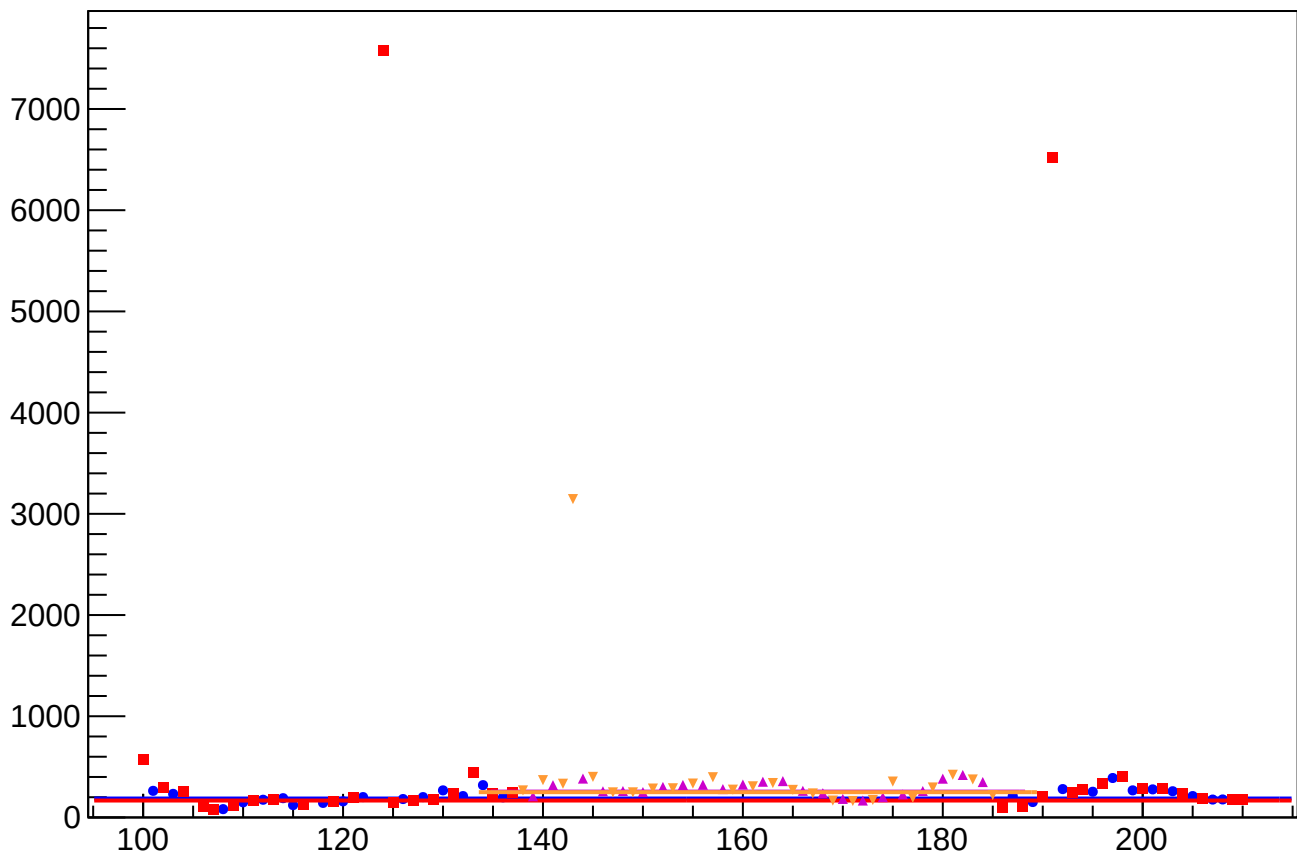
Left In: -0.095 ± 0.063 χ^2/NDF : 31.5/22

+ sign 0.016 ± 0.039 χ^2/NDF : 44.2/51

All: 0.001 ± 0.027 χ^2/NDF : 113.8/107

- sign -0.013 ± 0.036 χ^2/NDF : 69.3/55

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 187.054+/-0.036 χ^2/NDF : 2967674.7/26

Left Out: 249.848+/-0.044 χ^2/NDF : 4234507.4/24

Right Out: 167.309+/-0.031 χ^2/NDF : 5314259.5/32

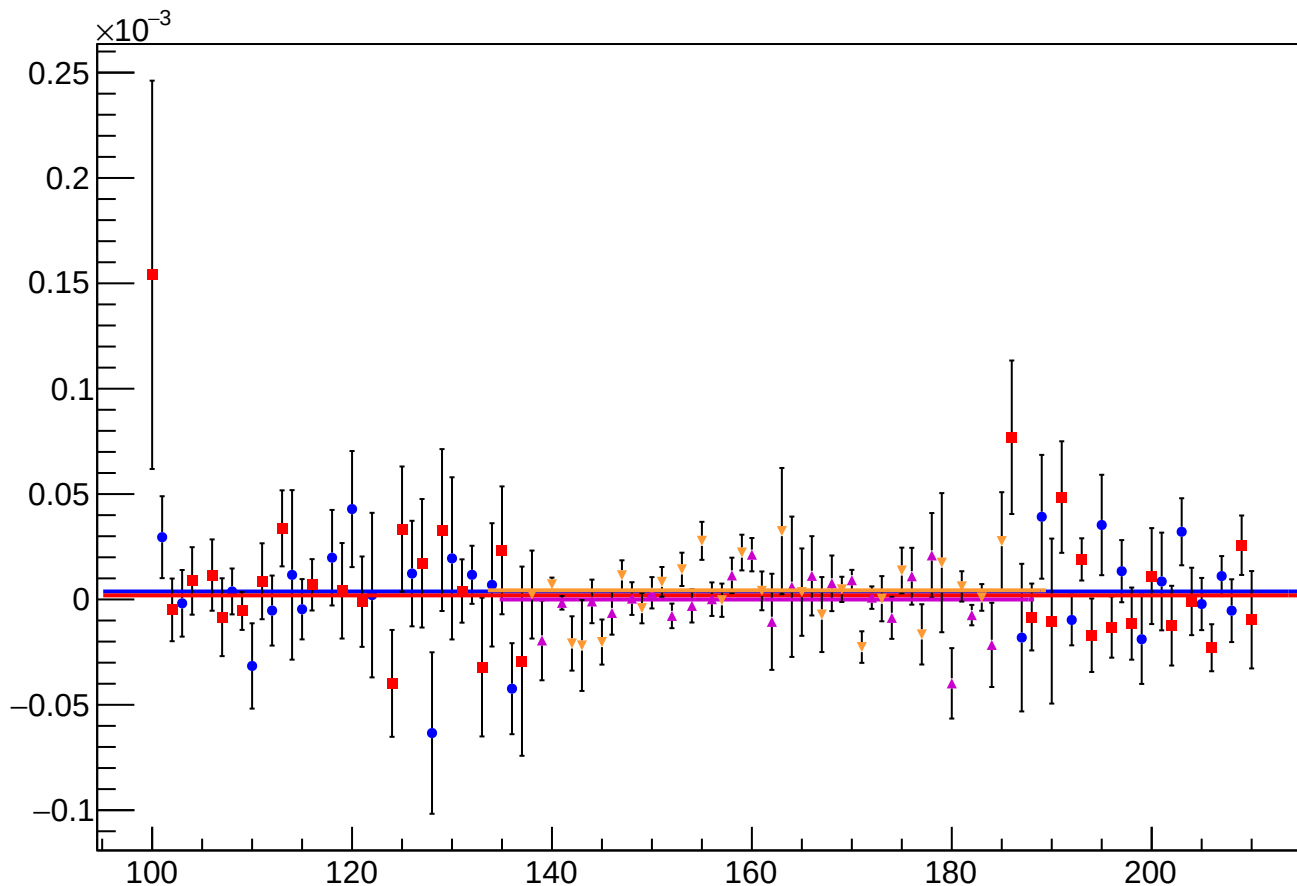
Left In: 255.299+/-0.045 χ^2/NDF : 2111552.0/22

+ sign 212.423+/-0.028 χ^2/NDF : 8440093.0/51

All: 203.912+/-0.019 χ^2/NDF : 18644931.6/10

- sign 196.584+/-0.026 χ^2/NDF : 10029073.8/55

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 27.2/26$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 46.0/24$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 37.1/32$

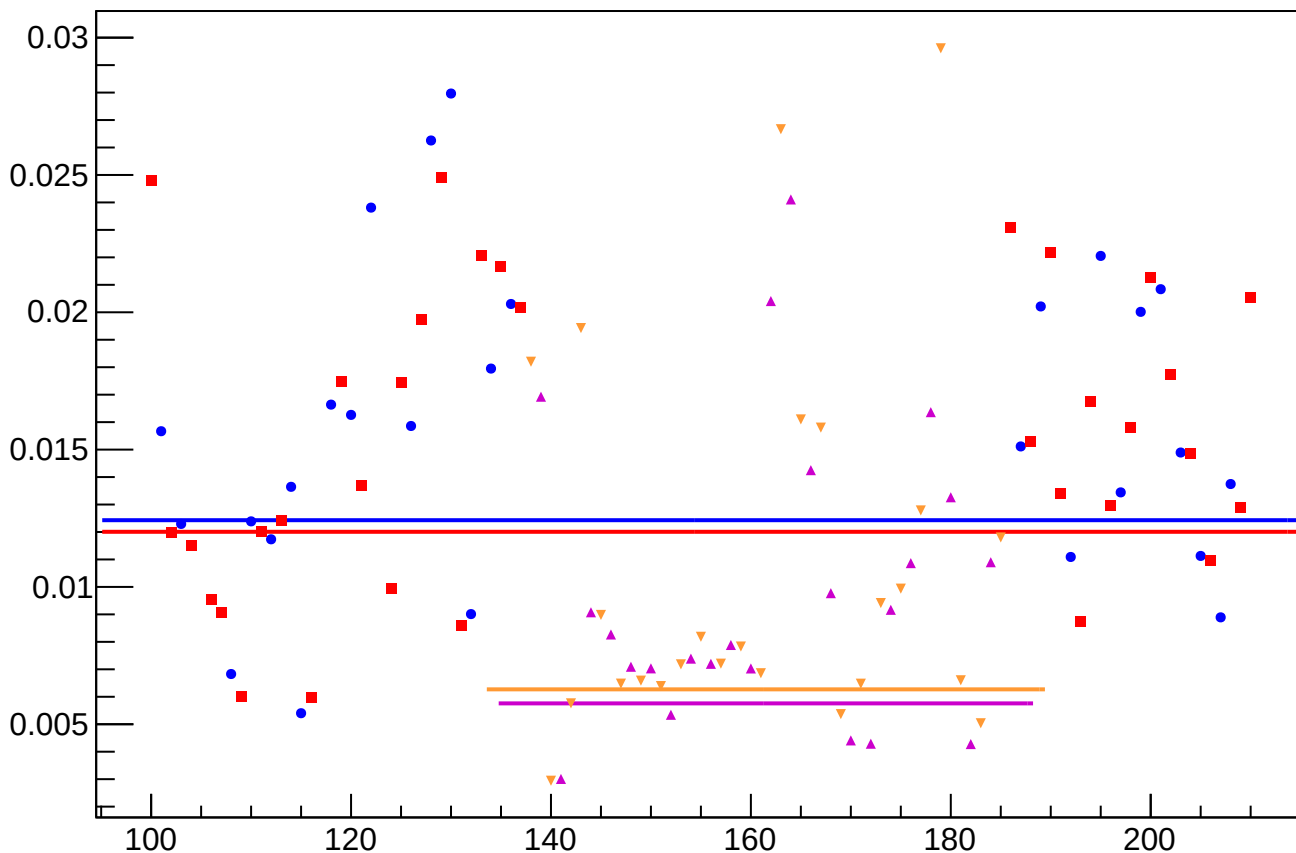
Left In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 29.0/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 73.3/51$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 143.3/107$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 66.5/55$

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 3830237.7/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 7909965.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 4386111.6/32

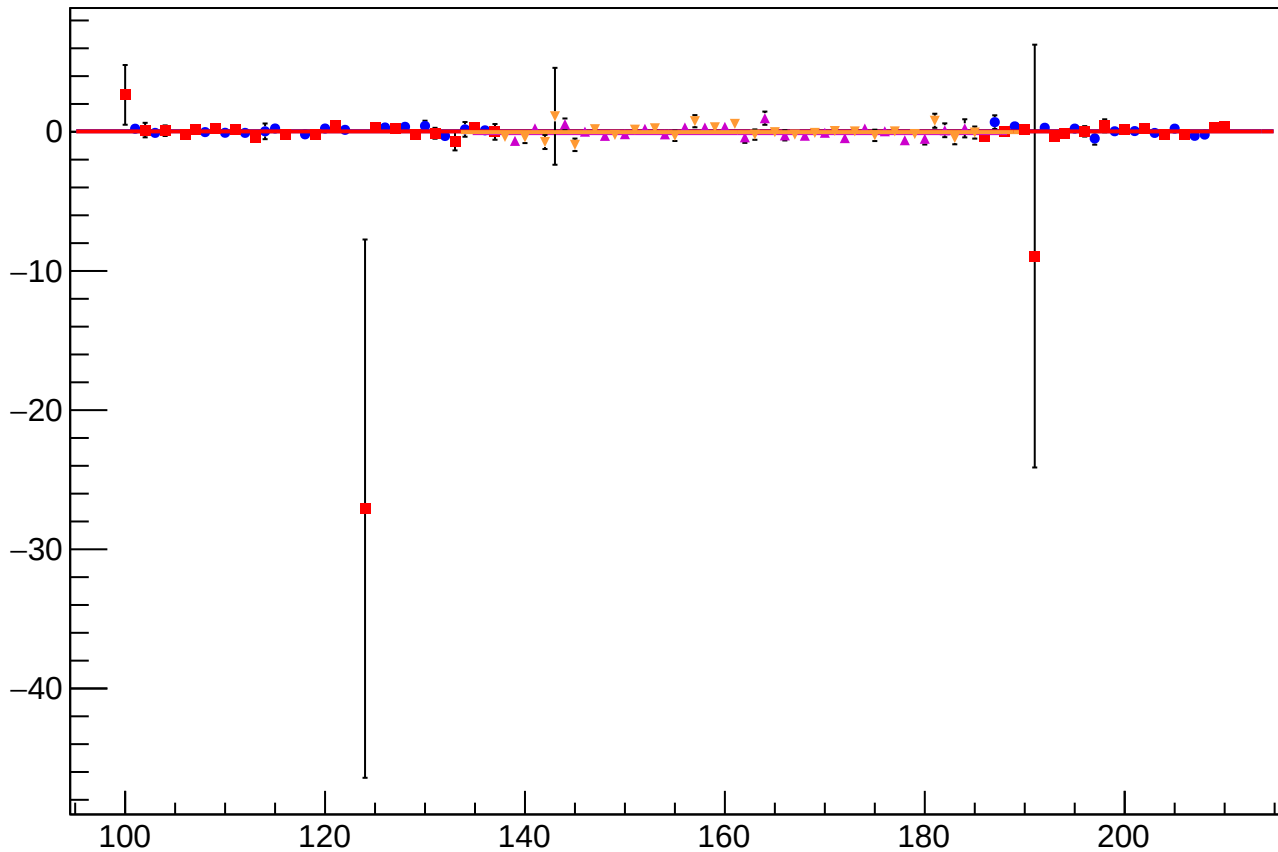
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7081814.9/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 17100838.8/51

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 35250537.0/107

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 18082594.5/55

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.043 ± 0.051 χ^2/NDF : 19.9/26

Left Out: -0.024 ± 0.062 χ^2/NDF : 23.5/24

Right Out: 0.029 ± 0.044 χ^2/NDF : 35.2/32

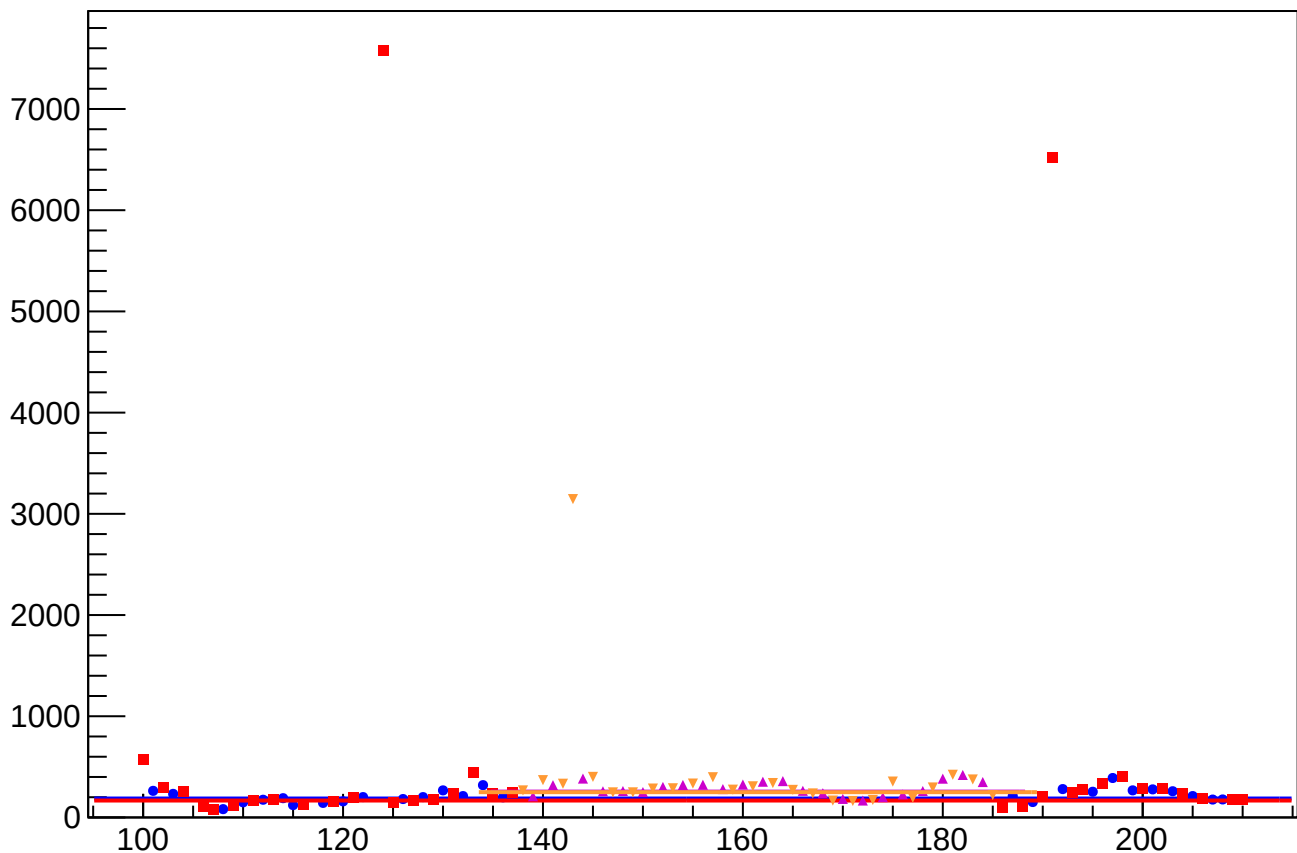
Left In: -0.095 ± 0.063 χ^2/NDF : 31.5/22

+ sign 0.016 ± 0.039 χ^2/NDF : 44.2/51

All: 0.001 ± 0.027 χ^2/NDF : 113.8/107

- sign -0.013 ± 0.036 χ^2/NDF : 69.3/55

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 187.052 $\pm$ 0.036 χ^2 /NDF: 2967744.8/26

Left Out: 249.850 $\pm$ 0.044 χ^2 /NDF: 4234600.7/24

Right Out: 167.311 $\pm$ 0.031 χ^2 /NDF: 5314134.3/32

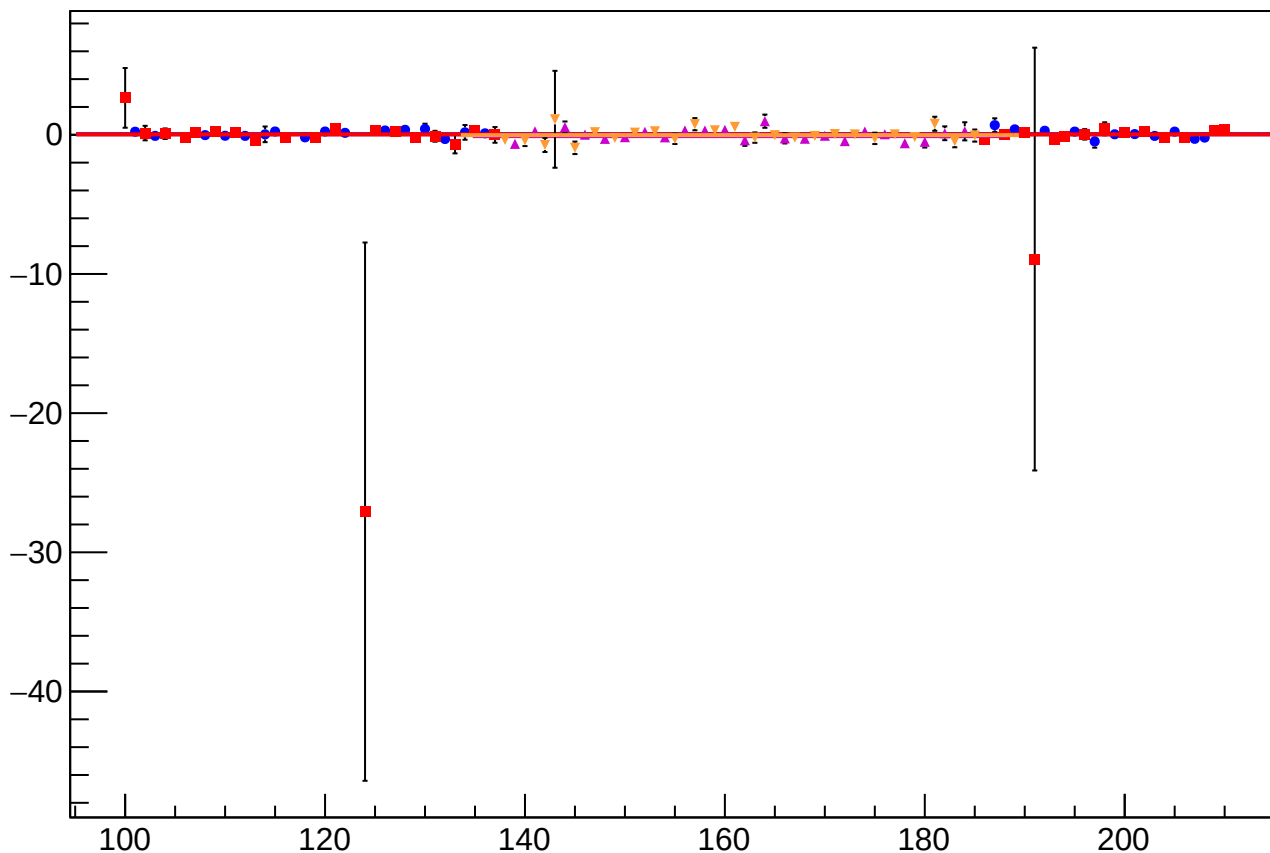
Left In: 255.302 $\pm$ 0.045 χ^2 /NDF: 2111585.0/22

+ sign 212.423 $\pm$ 0.028 χ^2 /NDF: 8440365.9/51

All: 203.913 $\pm$ 0.019 χ^2 /NDF: 18645018.8/10

- sign 196.586 $\pm$ 0.026 χ^2 /NDF: 10028948.8/55

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043 ± 0.051 χ^2/NDF : 19.9/26

Left Out: -0.024 ± 0.062 χ^2/NDF : 23.5/24

Right Out: 0.029 ± 0.044 χ^2/NDF : 35.2/32

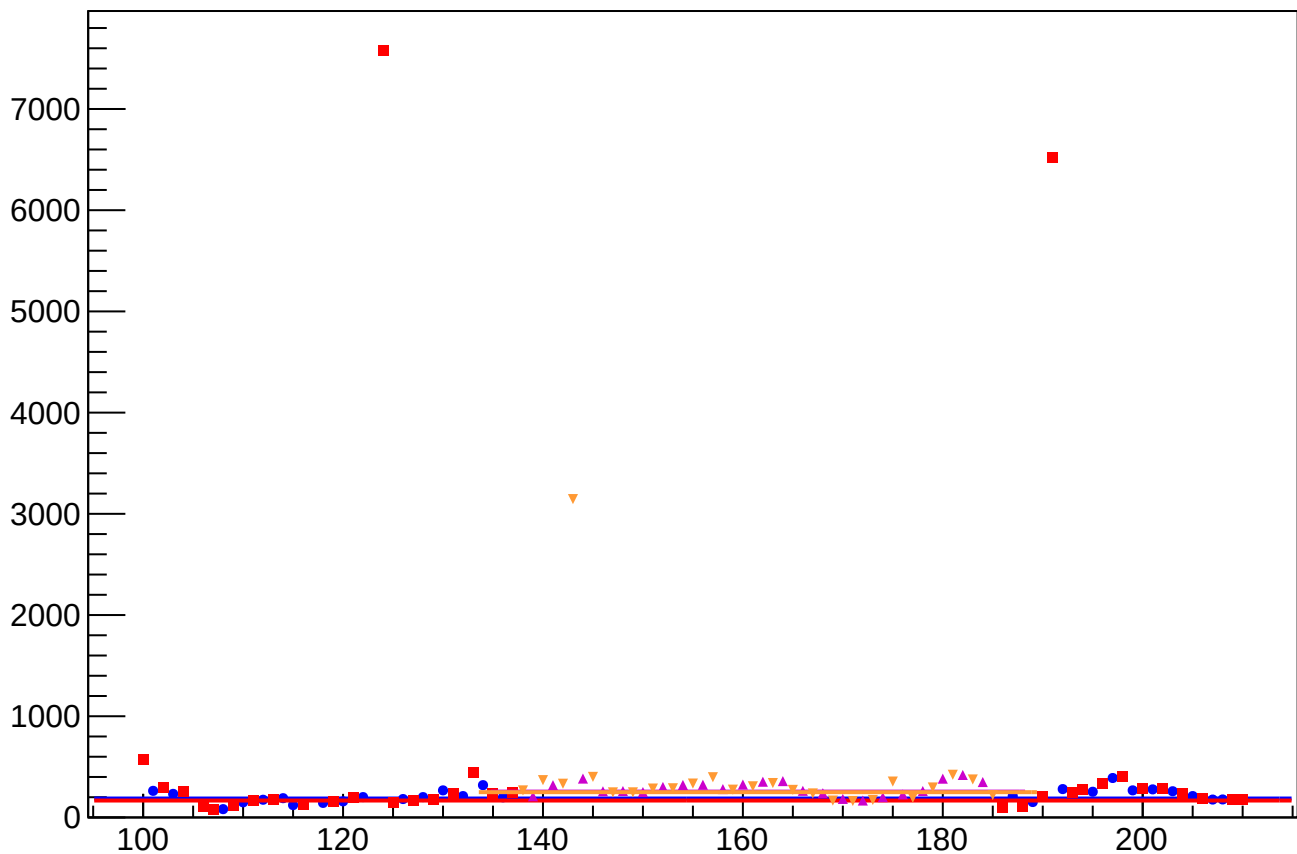
Left In: -0.095 ± 0.063 χ^2/NDF : 31.5/22

+ sign 0.016 ± 0.039 χ^2/NDF : 44.2/51

All: 0.001 ± 0.027 χ^2/NDF : 113.8/107

- sign -0.013 ± 0.036 χ^2/NDF : 69.3/55

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 187.052 $\pm$ 0.036 χ^2 /NDF: 2967744.8/26

Left Out: 249.850 $\pm$ 0.044 χ^2 /NDF: 4234600.7/24

Right Out: 167.311 $\pm$ 0.031 χ^2 /NDF: 5314134.3/32

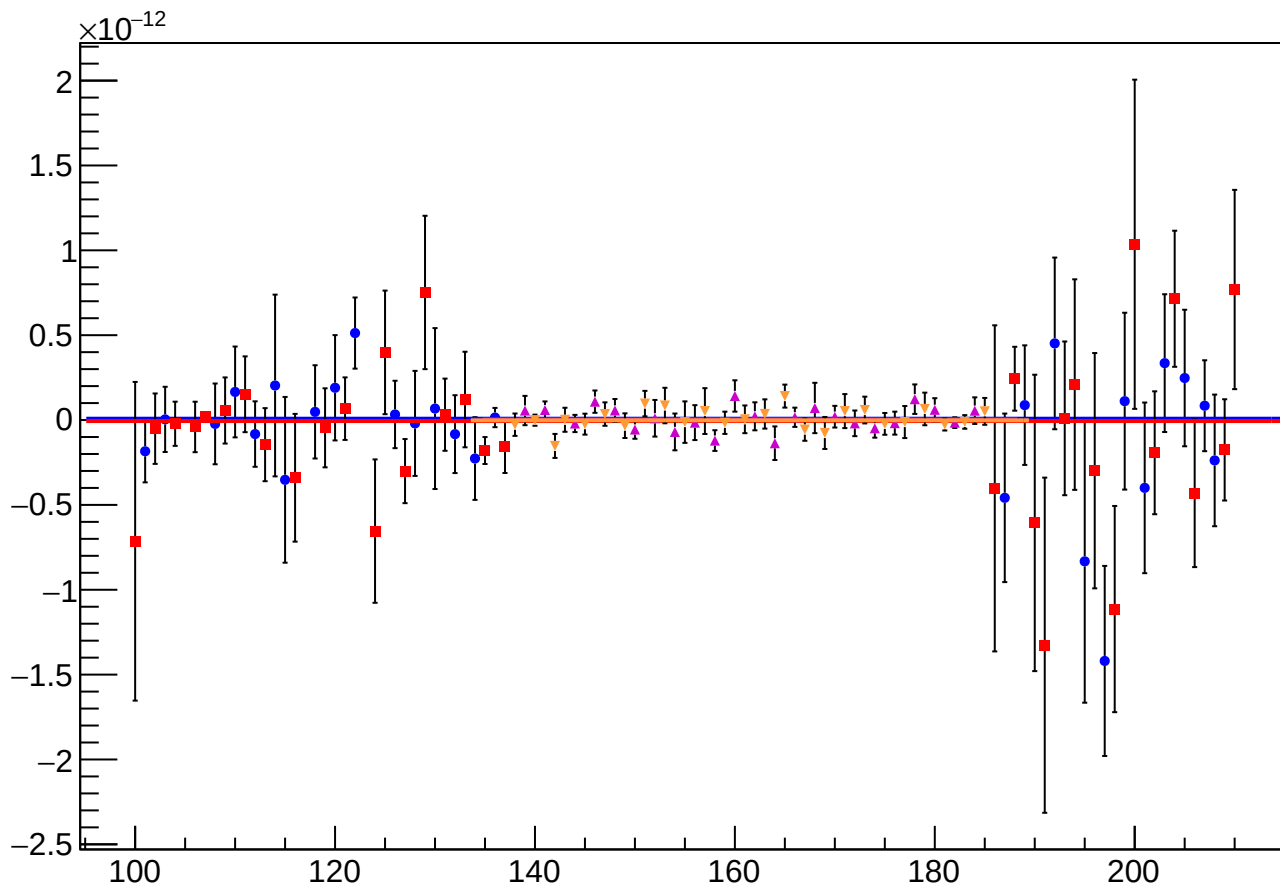
Left In: 255.302 $\pm$ 0.045 χ^2 /NDF: 2111585.0/22

+ sign 212.423 $\pm$ 0.028 χ^2 /NDF: 8440365.9/51

All: 203.913 $\pm$ 0.019 χ^2 /NDF: 18645018.8/10

- sign 196.586 $\pm$ 0.026 χ^2 /NDF: 10028948.8/55

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 21.1/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 16.4/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 33.9/32

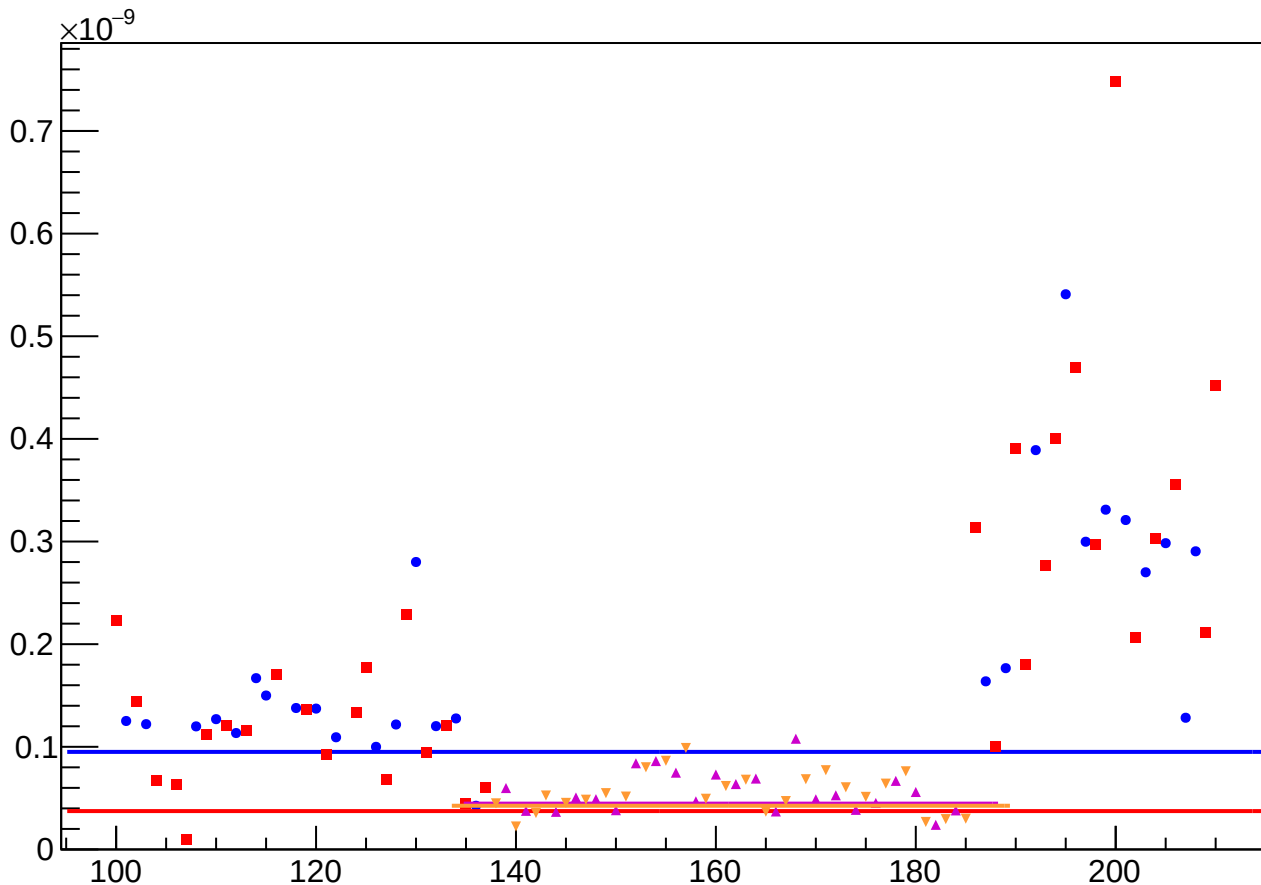
Left In: 0.000 ± 0.000 χ^2/NDF : 19.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 37.5/51

All: 0.000 ± 0.000 χ^2/NDF : 91.3/107

- sign 0.000 ± 0.000 χ^2/NDF : 53.9/55

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6306684.7/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14006678.6/32

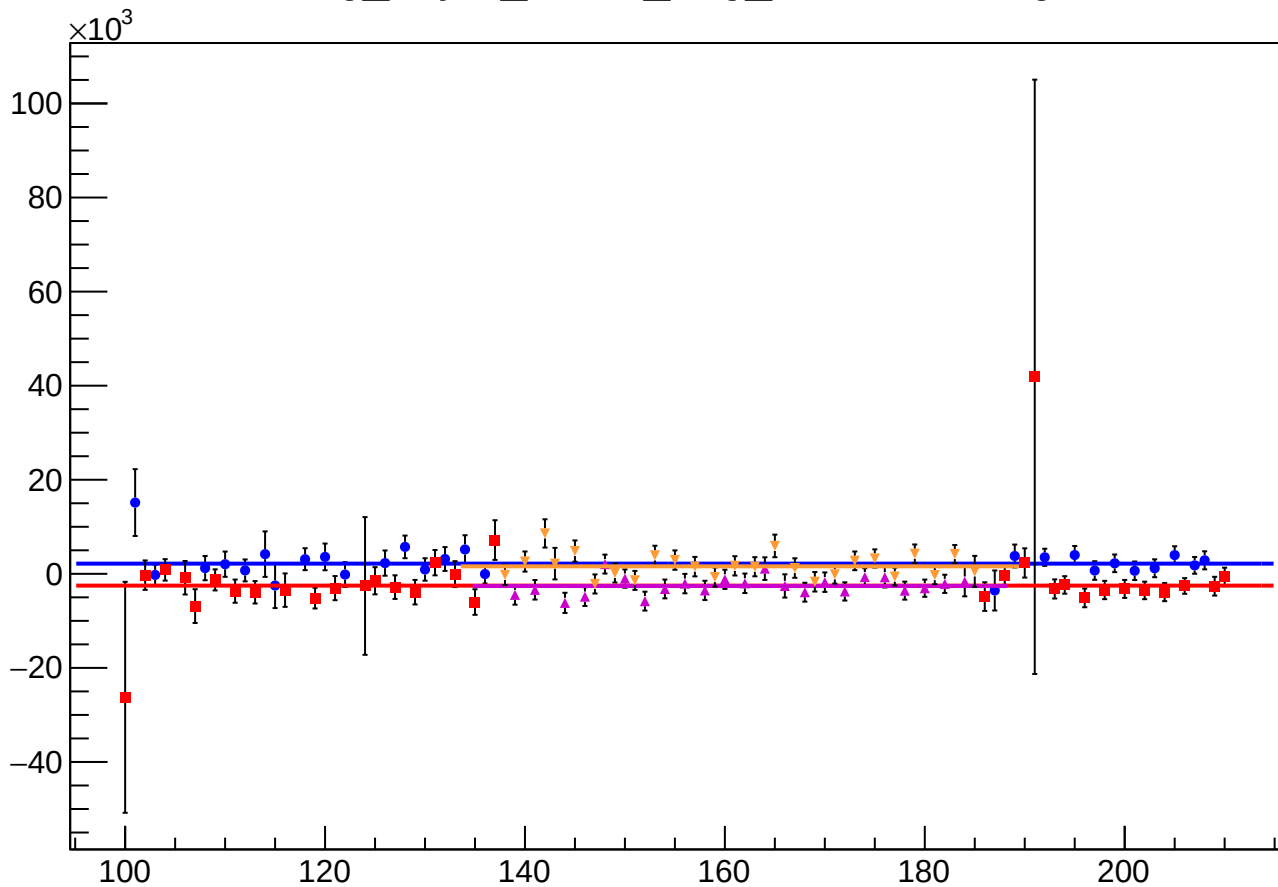
Left In: 0.000+/-0.000 χ^2/NDF : 2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 13035415.7/51

All: 0.000+/-0.000 χ^2/NDF : 30226248.5/107

- sign 0.000+/-0.000 χ^2/NDF : 17030749.6/55

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2167.282 ± 447.921 χ^2/NDF : 18.4/26

Left Out: 1592.464 ± 423.298 χ^2/NDF : 31.3/24

Right Out: -2508.051 ± 424.472 χ^2/NDF : 27.7/32

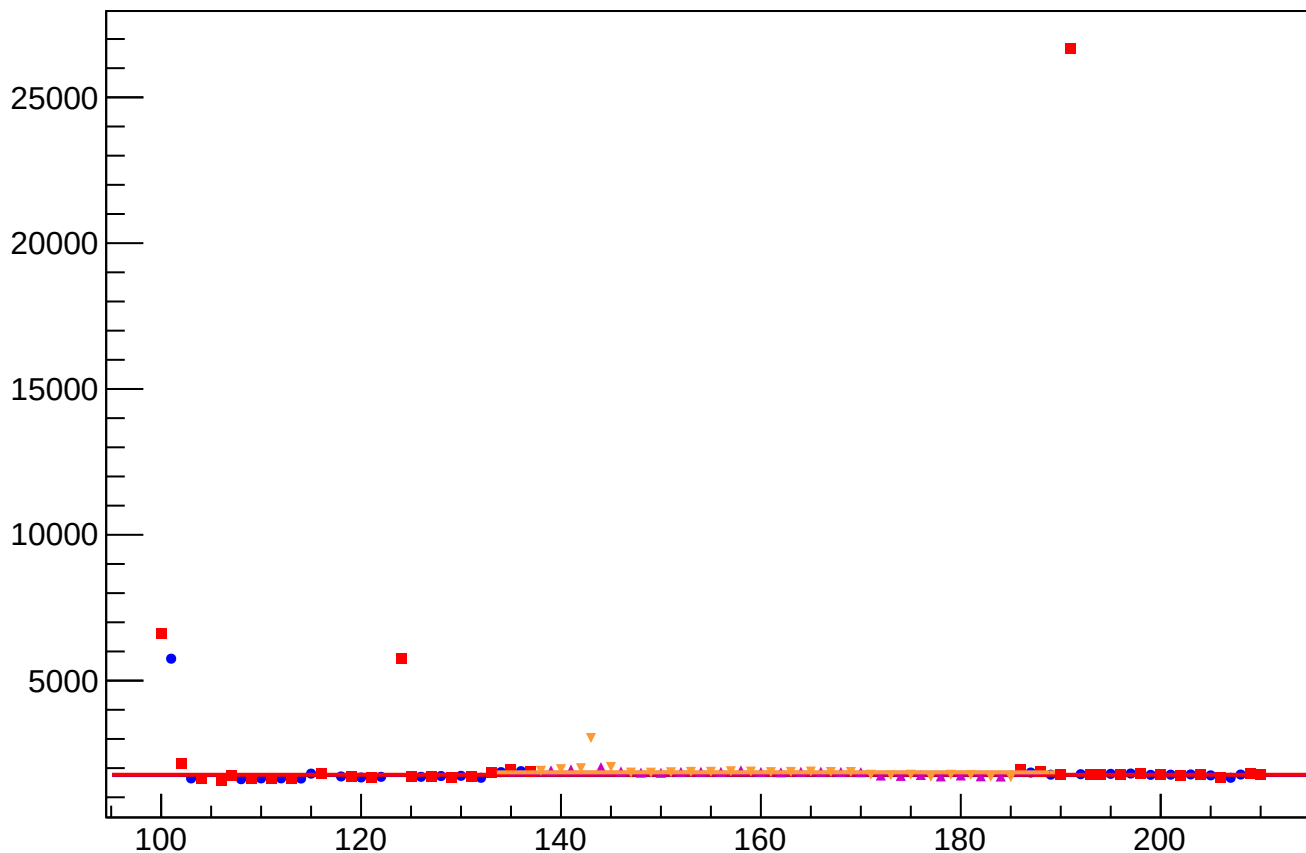
Left In: -2597.740 ± 430.293 χ^2/NDF : 20.1/22

+ sign 1863.640 ± 307.654 χ^2/NDF : 50.6/51

All: -383.923 ± 215.584 χ^2/NDF : 203.3/107

- sign -2552.285 ± 302.184 χ^2/NDF : 47.8/55

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1762.275+/-0.317 χ^2/NDF : 680903.7/26

Left Out: 1855.560+/-0.299 χ^2/NDF : 324267.7/24

Right Out: 1772.135+/-0.299 χ^2/NDF : 647906.3/32

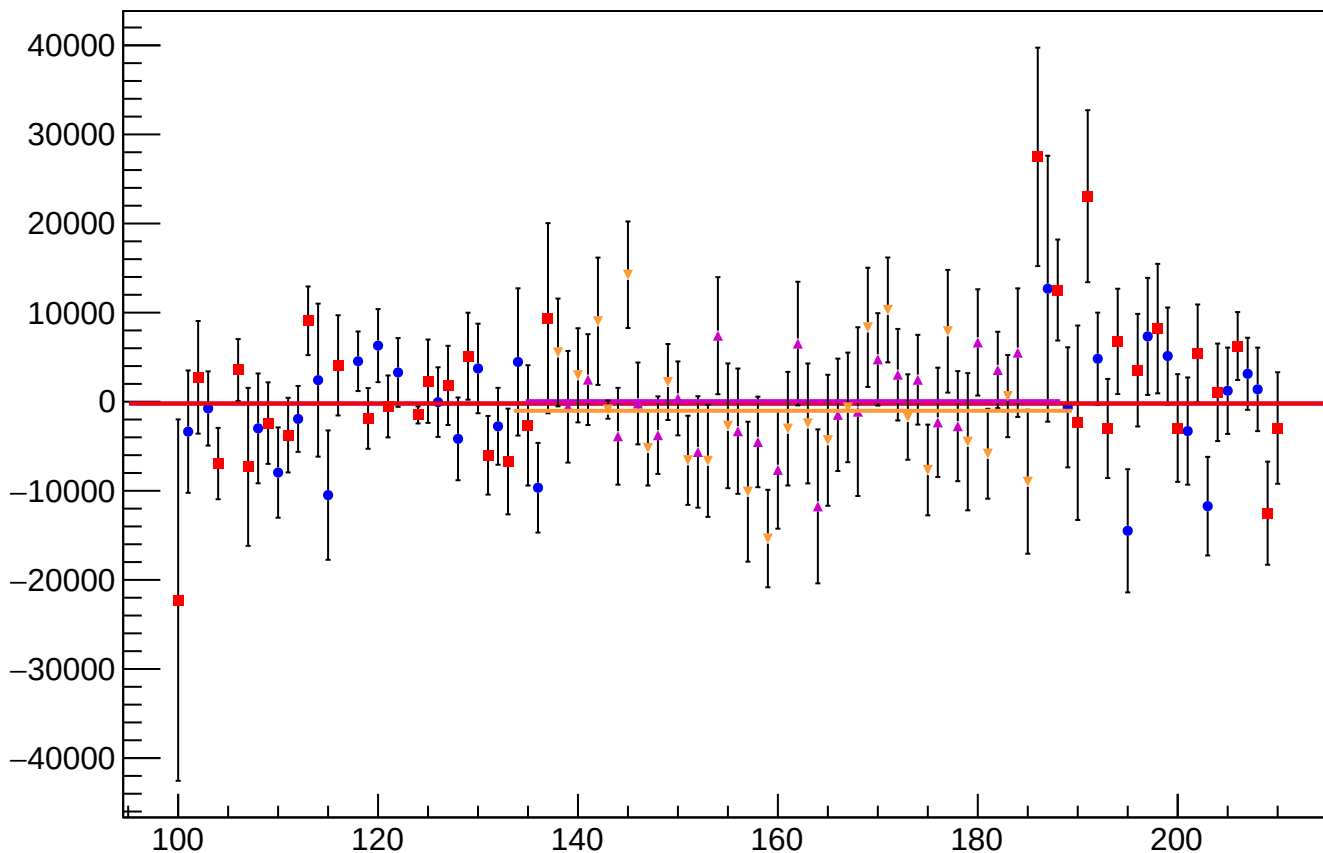
Left In: 1840.981+/-0.304 χ^2/NDF : 70985.8/22

+ sign 1811.552+/-0.218 χ^2/NDF : 1050993.9/51

All: 1808.713+/-0.152 χ^2/NDF : 1796247.8/10

- sign 1805.982+/-0.213 χ^2/NDF : 744919.9/55

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -210.453 ± 963.984 χ^2/NDF : 29.7/26

Left Out: -1018.861 ± 771.816 χ^2/NDF : 33.7/24

Right Out: -192.048 ± 662.468 χ^2/NDF : 49.2/32

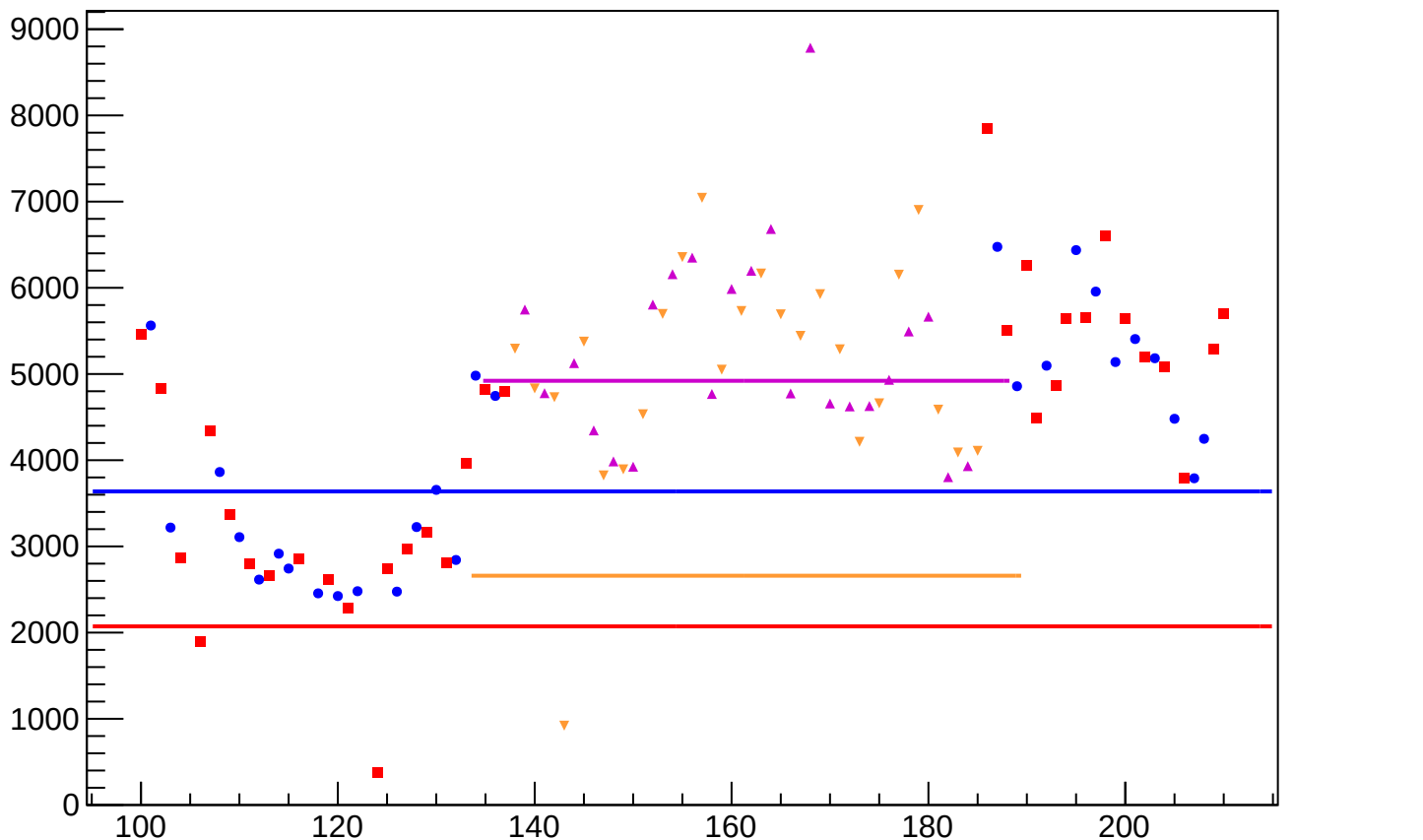
Left In: 62.369 ± 1173.429 χ^2/NDF : 13.0/22

+ sign -703.071 ± 602.495 χ^2/NDF : 63.9/51

All: -404.387 ± 416.678 χ^2/NDF : 126.6/107

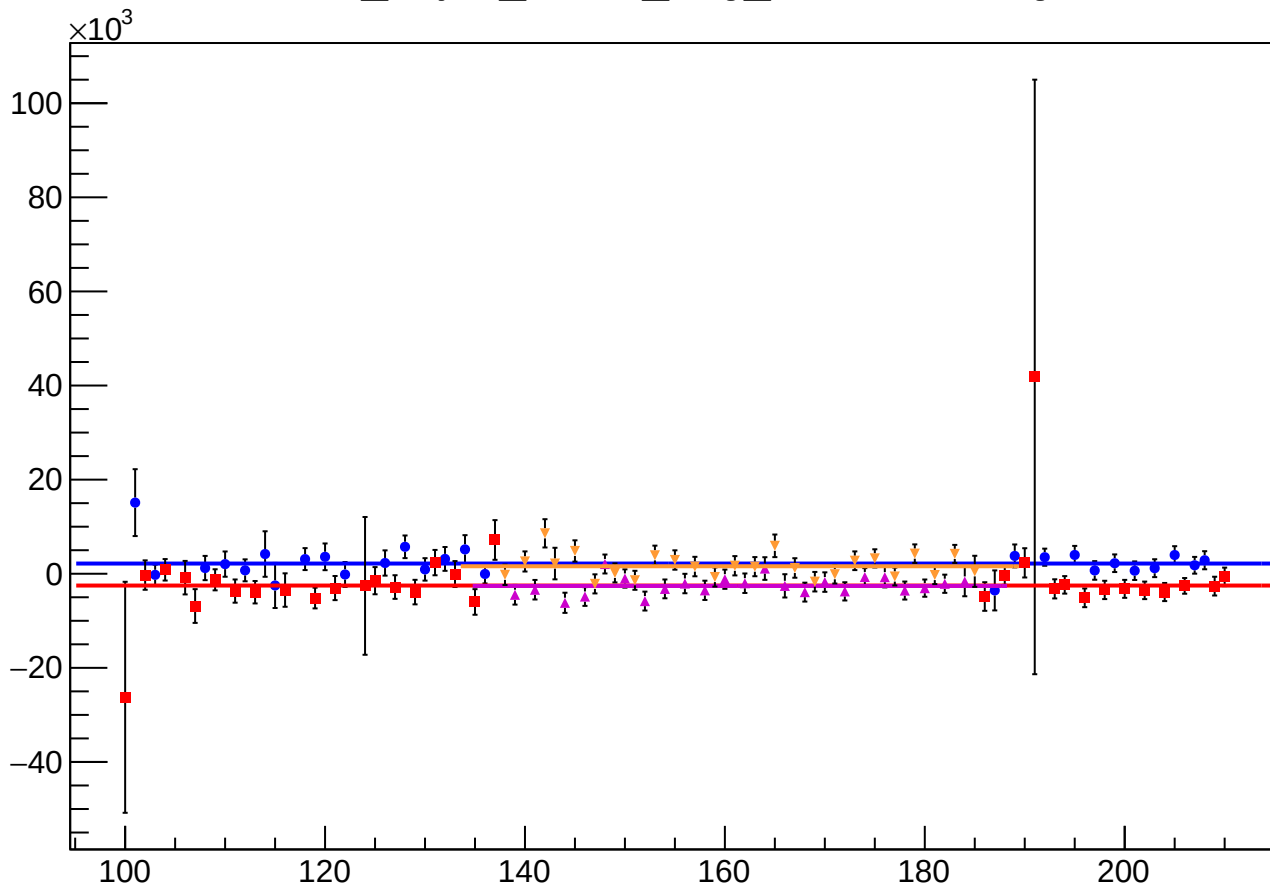
- sign -130.558 ± 576.883 χ^2/NDF : 62.3/55

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3637.912+/-0.682	χ^2/NDF : 2866763.6/26	+ sign 3042.009+/-0.426	χ^2/NDF : 18657022.3/51
Left Out: 2660.009+/-0.546	χ^2/NDF : 14536074.6/24	All: 2895.328+/-0.295	χ^2/NDF : 45250955.1/100
Right Out: 2072.259+/-0.468	χ^2/NDF : 16175026.6/32	- sign 2760.853+/-0.408	χ^2/NDF : 26366714.1/55
Left In: 4921.319+/-0.830	χ^2/NDF : 1251123.1/22		

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2167.106 $\pm$ 447.921 χ^2 /NDF: 18.4/26

Left Out: 1592.431 $\pm$ 423.298 χ^2 /NDF:31.3/24

Right Out: -2508.085 $\pm$ 424.472 χ^2 /NDF: 27.7/32

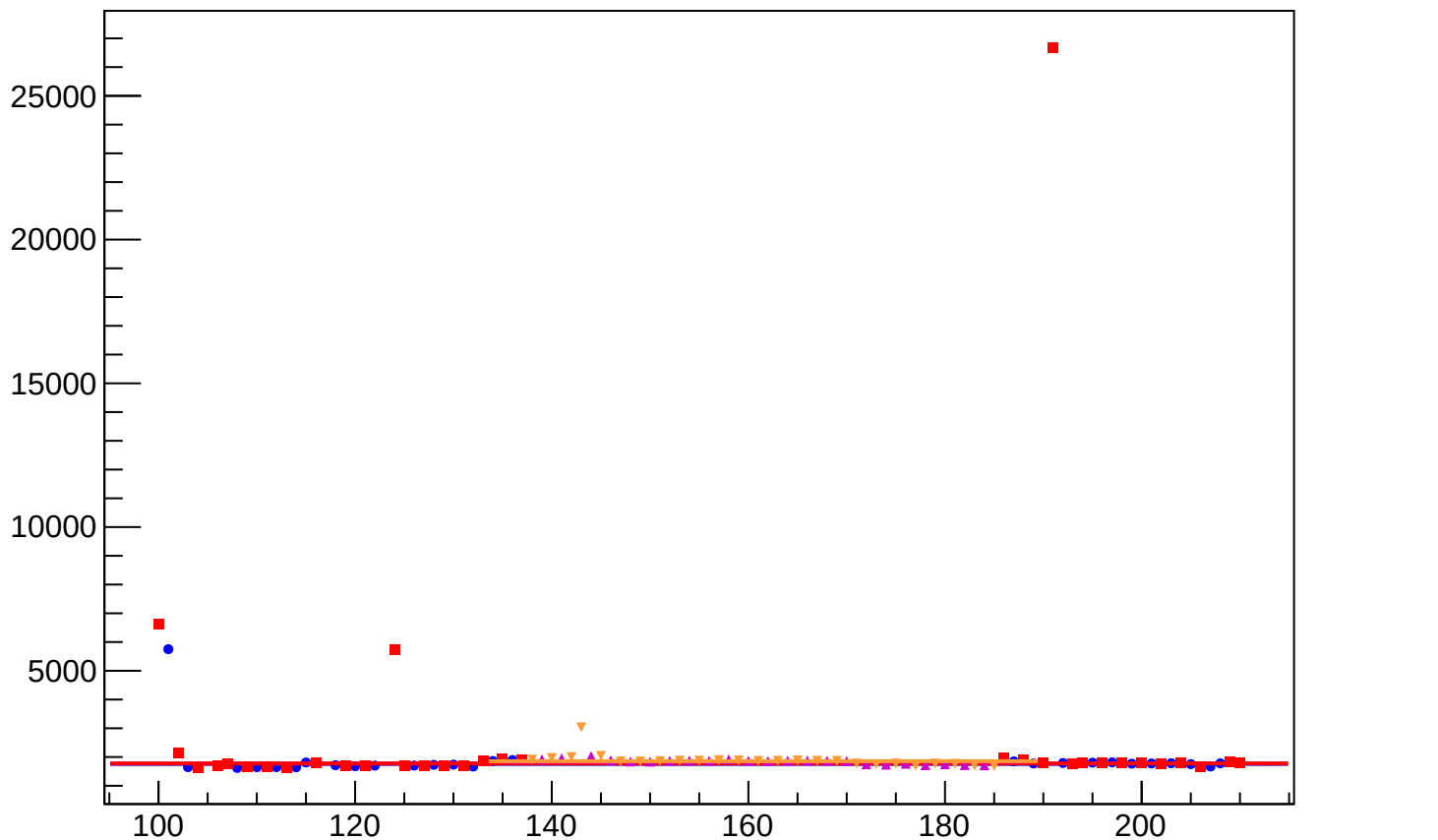
Left In: -2597.812 $\pm$ 430.293 χ^2 /NDF:20.1/22

+ sign 1863.540 $\pm$ 307.654 χ^2 /NDF: 50.5/51

All: -383.999 $\pm$ 215.584 χ^2 /NDF: 203.2/107

- sign -2552.337 $\pm$ 302.184 χ^2 /NDF: 47.8/55

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1762.275+/-0.317 χ^2/NDF : 680904.0/26

Left Out: 1855.560+/-0.299 χ^2/NDF : 324267.7/24

Right Out: 1775.059+/-0.300 χ^2/NDF : 639294.3/32

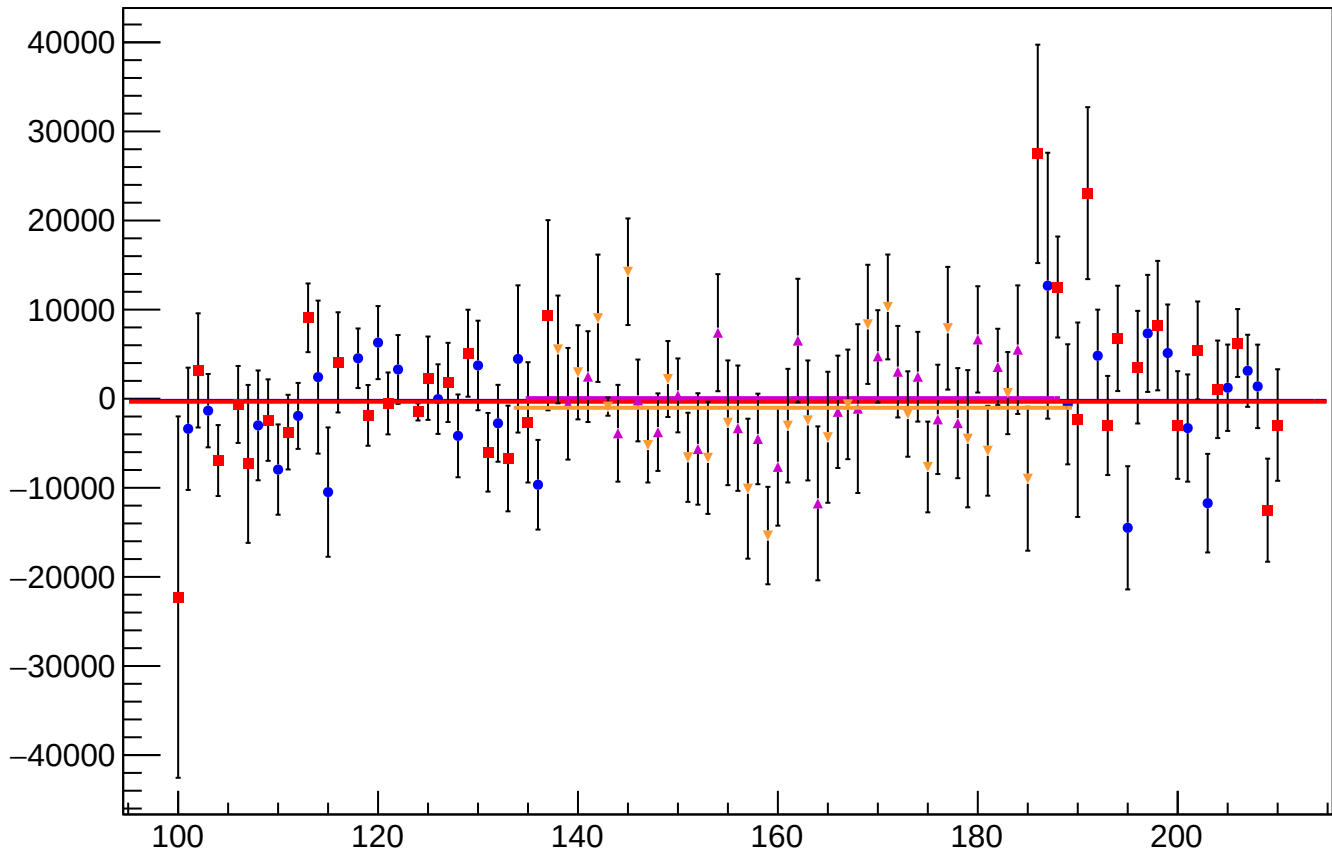
Left In: 1840.981+/-0.304 χ^2/NDF : 70985.8/22

+ sign 1811.552+/-0.218 χ^2/NDF : 1050994.2/51

All: 1809.498+/-0.152 χ^2/NDF : 1785277.0/10

- sign 1807.519+/-0.214 χ^2/NDF : 734107.7/55

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -243.584 ± 963.315 χ^2/NDF : 29.7/26

Left Out: -1018.712 ± 771.798 χ^2/NDF : 33.7/24

Right Out: -339.623 ± 666.811 χ^2/NDF : 48.1/32

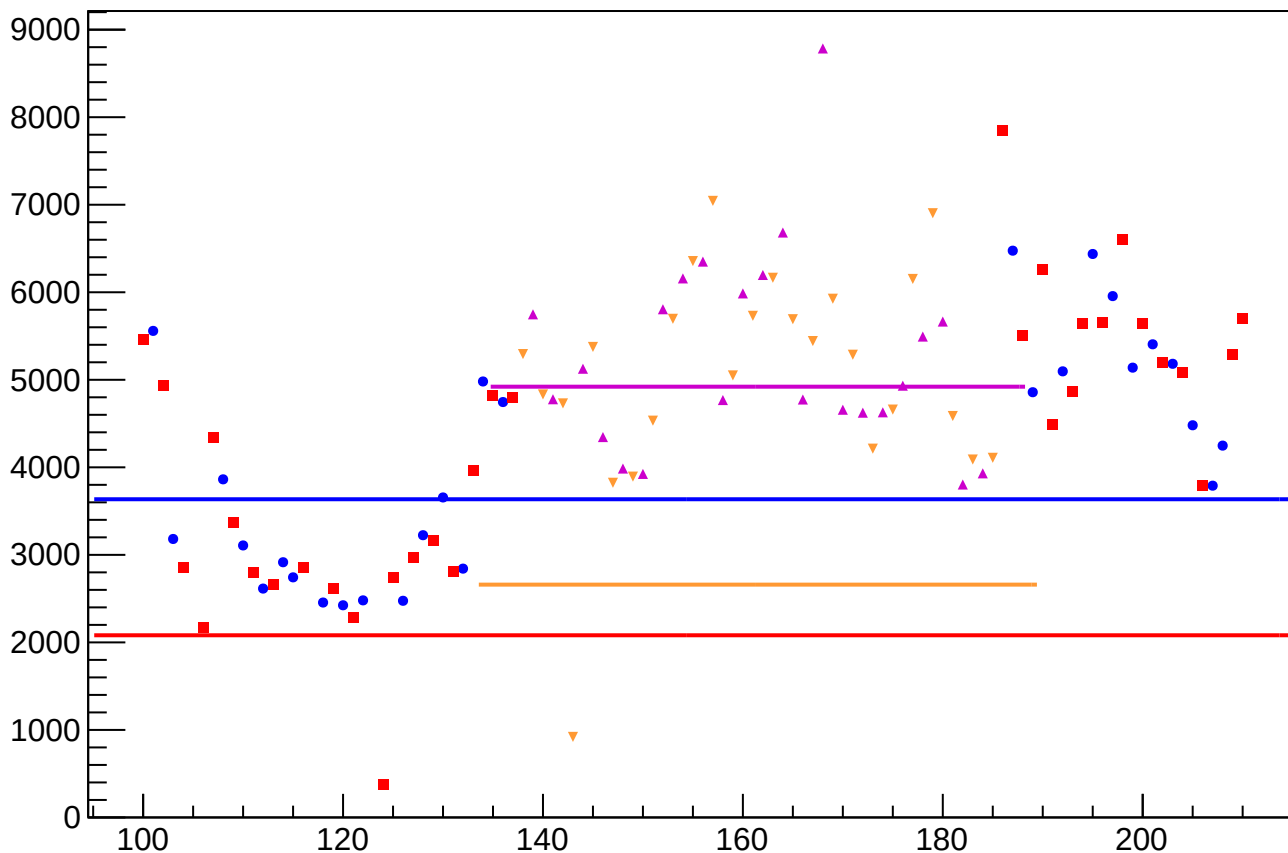
Left In: 62.286 ± 1173.429 χ^2/NDF : 13.0/22

+ sign -715.674 ± 602.324 χ^2/NDF : 63.9/51

All: -469.543 ± 417.695 χ^2/NDF : 125.4/107

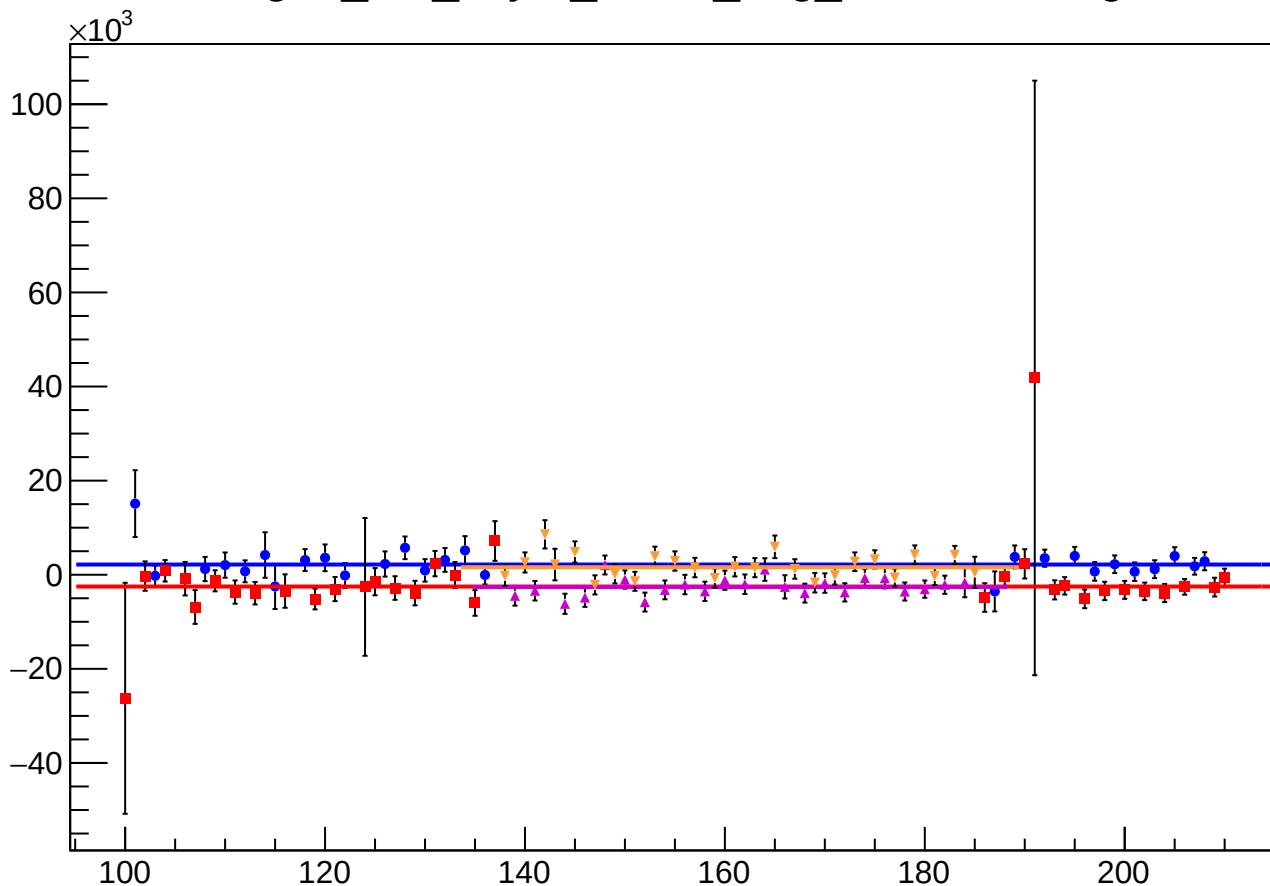
- sign -241.519 ± 579.744 χ^2/NDF : 61.2/55

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3635.305+/-0.681	χ^2/NDF : 2870639.1/26	+ sign 3041.240+/-0.426	χ^2/NDF : 18656299.7/51
Left Out: 2659.907+/-0.546	χ^2/NDF : 14536813.3/24	All: 2902.792+/-0.295	χ^2/NDF : 45152600.8/1
Right Out: 2081.294+/-0.472	χ^2/NDF : 16185825.7/32	- sign 2774.530+/-0.410	χ^2/NDF : 26292738.2/55
Left In: 4921.316+/-0.830	χ^2/NDF : 1251131.6/22		

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2167.106 $\pm$ 447.921 χ^2 /NDF: 18.4/26

Left Out: 1592.431 $\pm$ 423.298 χ^2 /NDF:31.3/24

Right Out: -2508.085 $\pm$ 424.472 χ^2 /NDF: 27.7/32

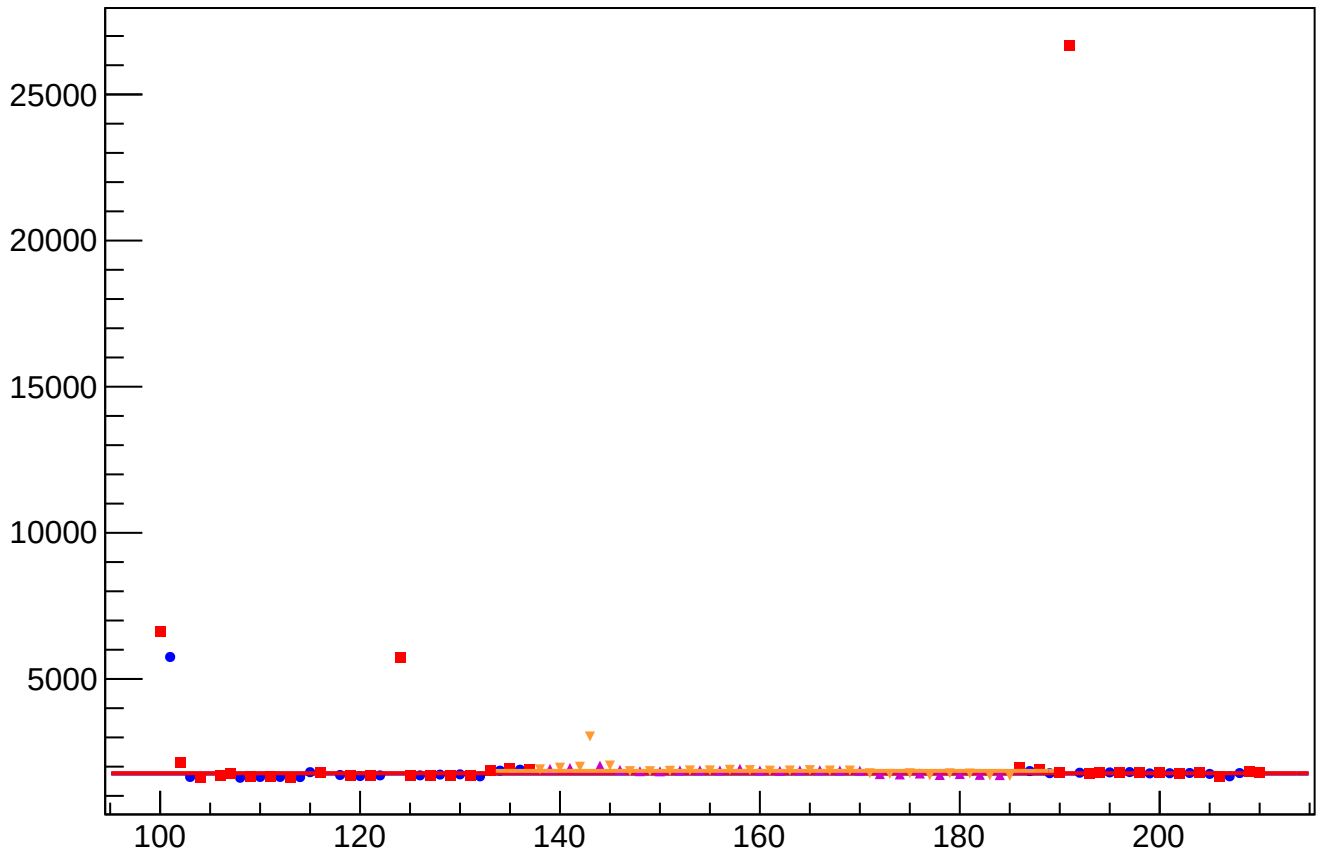
Left In: -2597.812 $\pm$ 430.293 χ^2 /NDF:20.1/22

+ sign 1863.540 $\pm$ 307.654 χ^2 /NDF: 50.5/51

All: -383.999 $\pm$ 215.584 χ^2 /NDF: 203.2/107

- sign -2552.337 $\pm$ 302.184 χ^2 /NDF: 47.8/55

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1762.275+/-0.317 χ^2/NDF : 680904.0/26

Left Out: 1855.560+/-0.299 χ^2/NDF : 324267.7/24

Right Out: 1775.059+/-0.300 χ^2/NDF : 639294.3/32

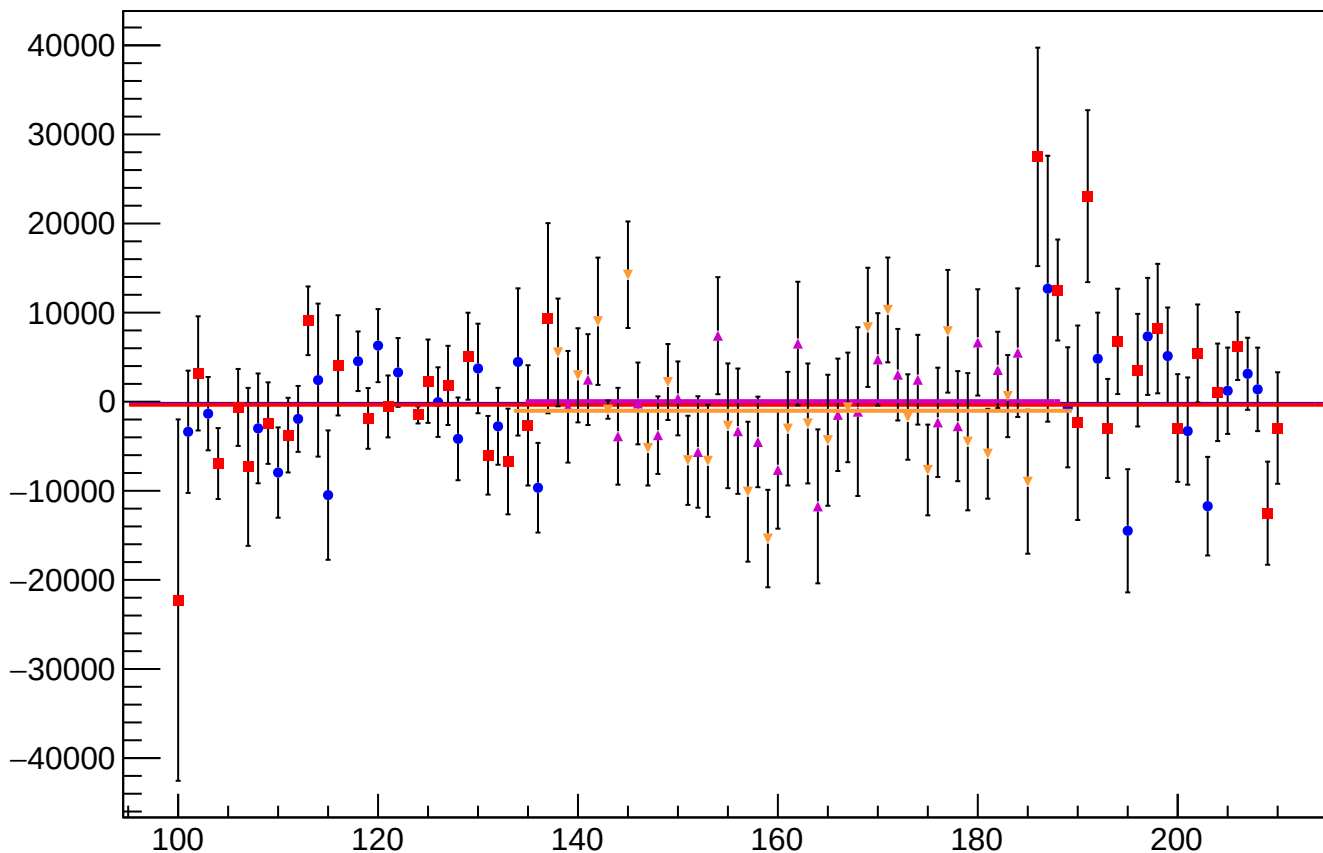
Left In: 1840.981+/-0.304 χ^2/NDF : 70985.8/22

+ sign 1811.552+/-0.218 χ^2/NDF : 1050994.2/51

All: 1809.498+/-0.152 χ^2/NDF : 1785277.0/10

- sign 1807.519+/-0.214 χ^2/NDF : 734107.7/55

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -243.584 ± 963.315 χ^2/NDF : 29.7/26

Left Out: -1018.712 ± 771.798 χ^2/NDF : 33.7/24

Right Out: -339.623 ± 666.811 χ^2/NDF : 48.1/32

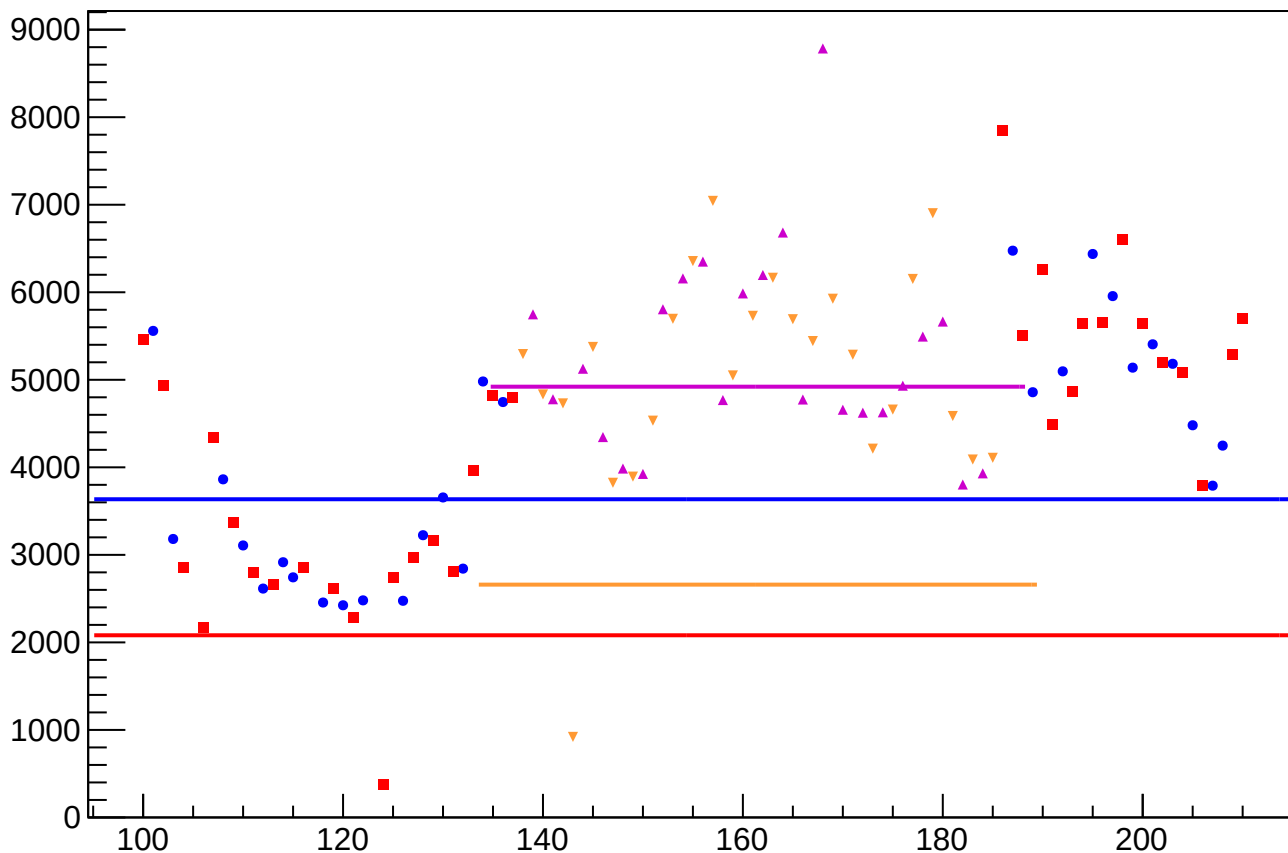
Left In: 62.286 ± 1173.429 χ^2/NDF : 13.0/22

+ sign -715.674 ± 602.324 χ^2/NDF : 63.9/51

All: -469.543 ± 417.695 χ^2/NDF : 125.4/107

- sign -241.519 ± 579.744 χ^2/NDF : 61.2/55

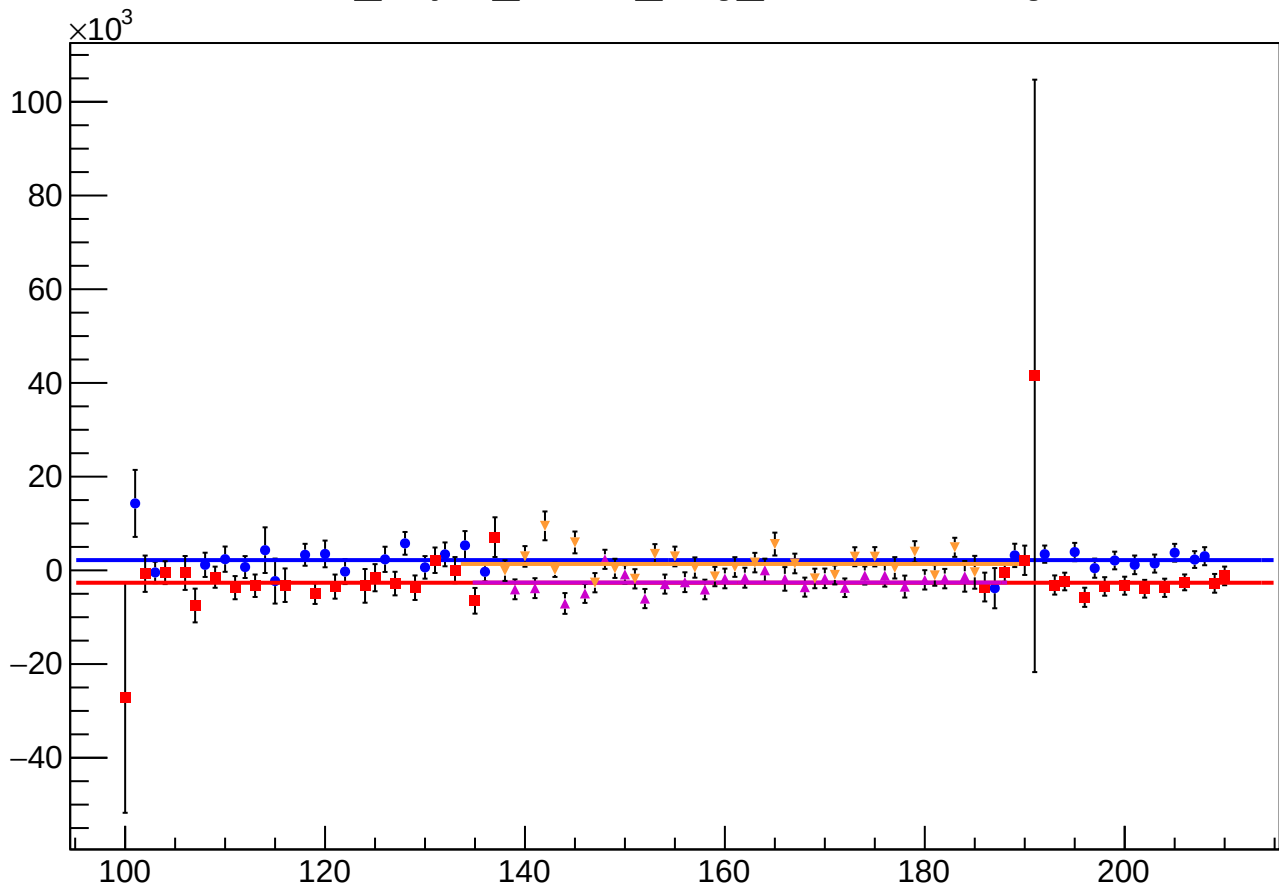
asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3635.305 $\pm$ 0.681 χ^2 /NDF: 2870639.1/26
 Left Out: 2659.907 $\pm$ 0.546 χ^2 /NDF: 14536813.3/24
 Right Out: 2081.294 $\pm$ 0.472 χ^2 /NDF: 16185825.7/32
 Left In: 4921.316 $\pm$ 0.830 χ^2 /NDF: 1251131.6/22

+ sign 3041.240 $\pm$ 0.426 χ^2 /NDF: 18656299.7/51
 All: 2902.792 $\pm$ 0.295 χ^2 /NDF: 45152600.8/1
 - sign 2774.530 $\pm$ 0.410 χ^2 /NDF: 26292738.2/55

dit_asym_atr1l2_avg_mean vs Slug



Right In: 2188.444 $\pm$ 452.775 χ^2 /NDF: 17.9/26

Left Out: 1363.887 $\pm$ 427.332 χ^2 /NDF:36.1/24

Right Out: -2645.345 $\pm$ 427.695 χ^2 /NDF: 25.7/32

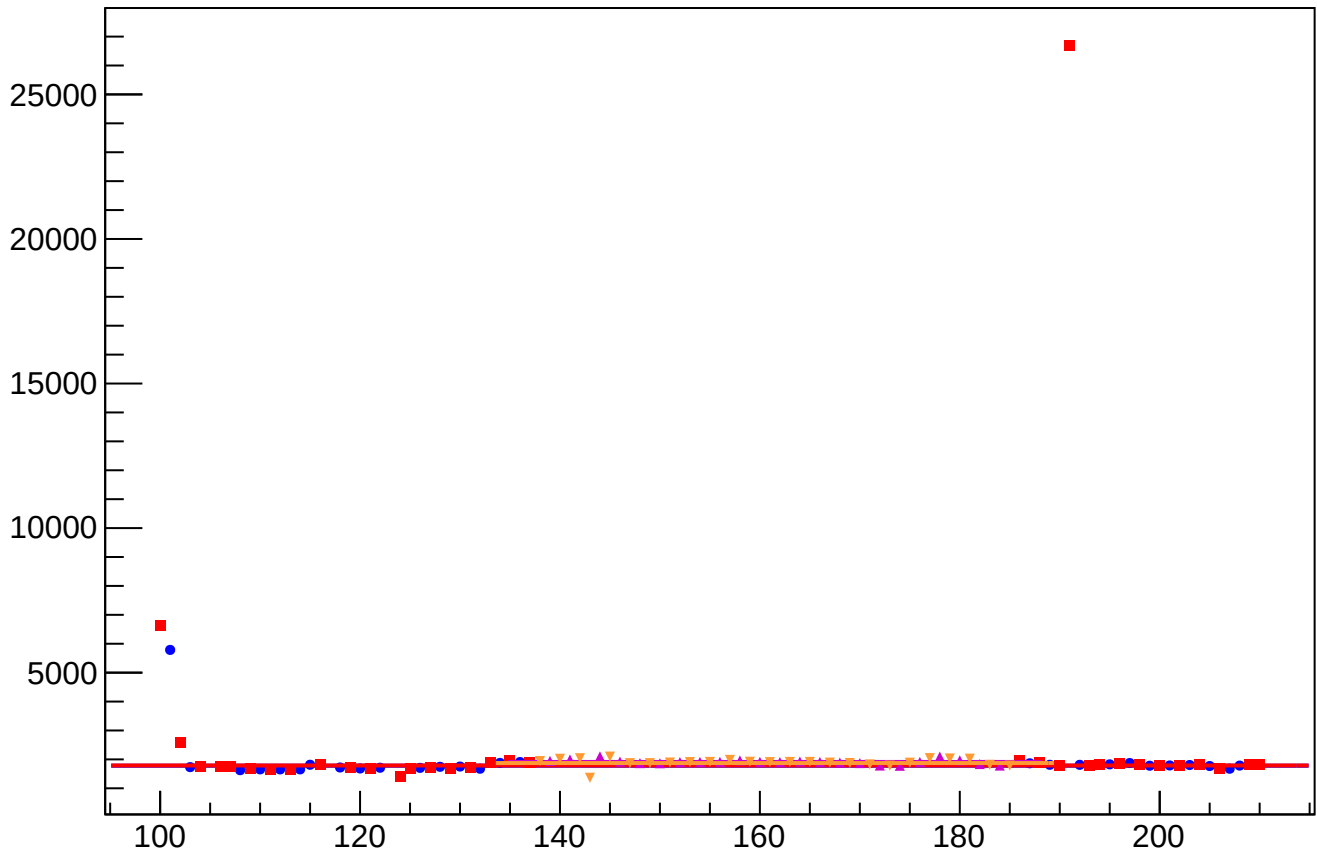
Left In: -2602.835 $\pm$ 446.741 χ^2 /NDF:20.0/22

+ sign 1752.348 $\pm$ 310.775 χ^2 /NDF: 55.8/51

All: -449.297 $\pm$ 219.099 χ^2 /NDF: 201.3/107

- sign -2625.016 $\pm$ 308.940 χ^2 /NDF: 45.7/55

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1781.130+/-0.320 χ^2/NDF : 682200.5/26

Left Out: 1873.177+/-0.302 χ^2/NDF : 309733.7/24

Right Out: 1788.919+/-0.302 χ^2/NDF : 562605.0/32

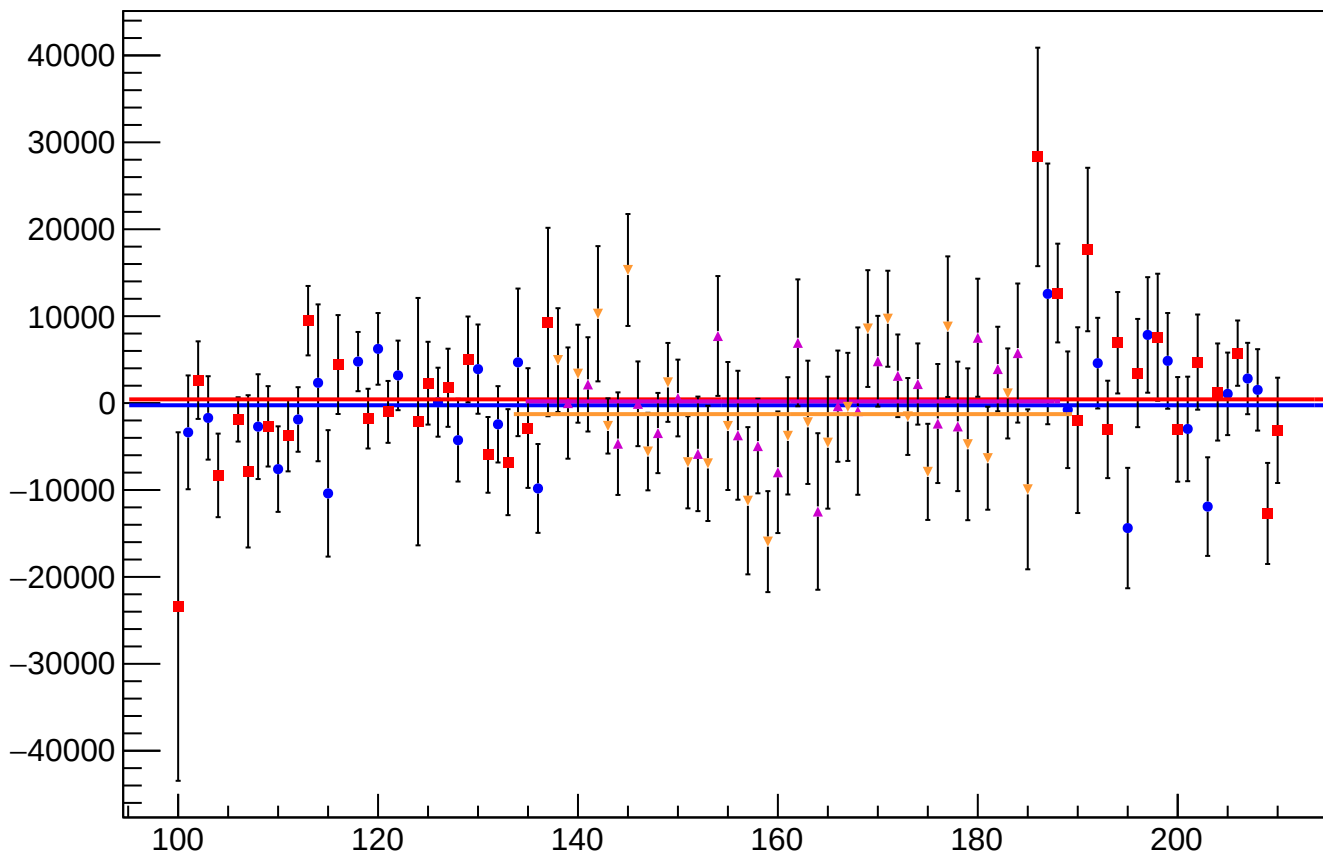
Left In: 1911.423+/-0.316 χ^2/NDF : 59139.8/22

+ sign 1829.812+/-0.220 χ^2/NDF : 1035651.6/51

All: 1838.681+/-0.155 χ^2/NDF : 1739186.8/10

- sign 1847.436+/-0.218 χ^2/NDF : 700298.5/55

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -251.257 ± 978.674 χ^2/NDF : 29.1/26

Left Out: -1269.760 ± 1156.132 χ^2/NDF : 33.4/24

Right Out: 428.011 ± 891.535 χ^2/NDF : 44.2/32

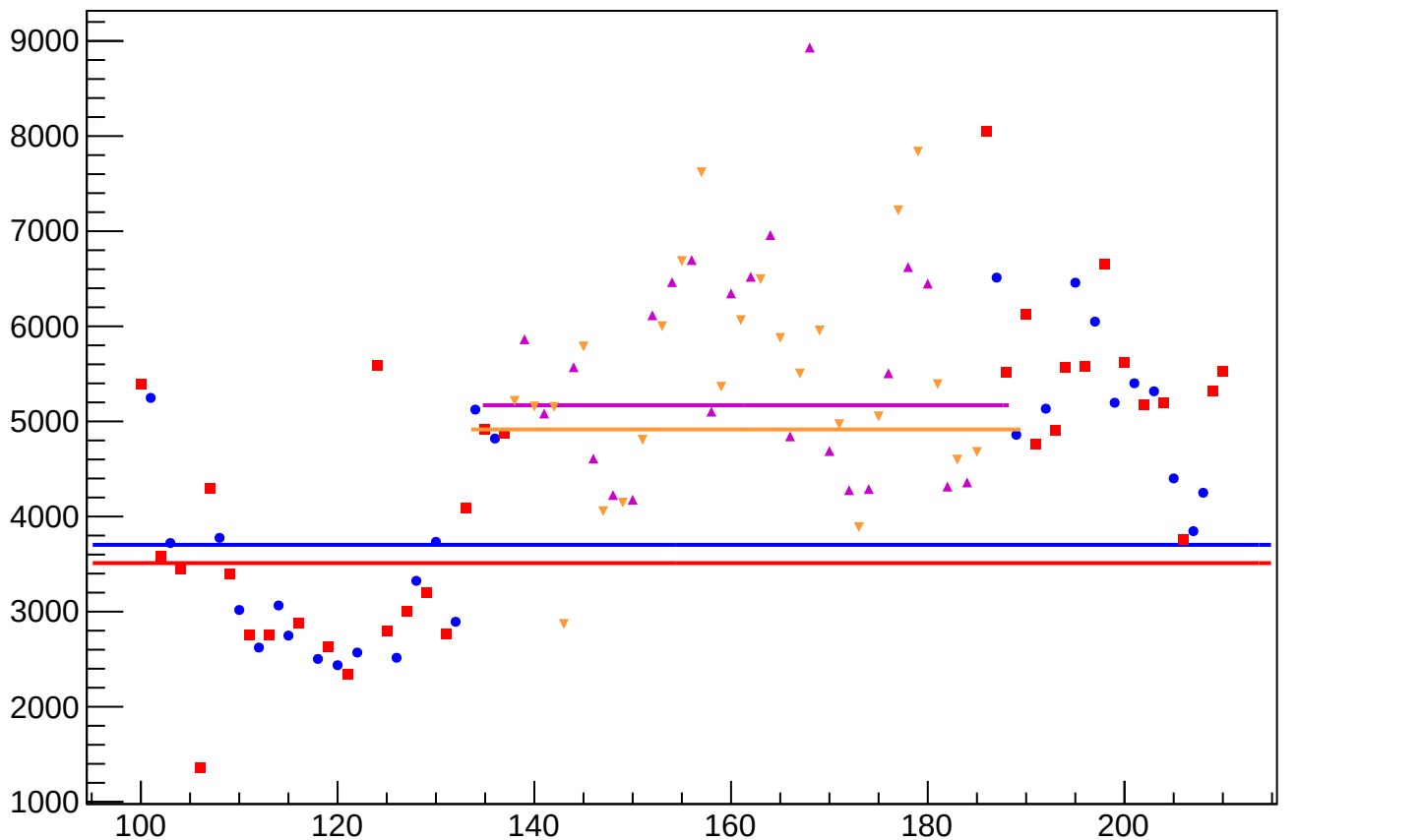
Left In: 196.917 ± 1234.538 χ^2/NDF : 12.7/22

+ sign -676.425 ± 746.976 χ^2/NDF : 63.0/51

All: -146.932 ± 519.422 χ^2/NDF : 120.9/107

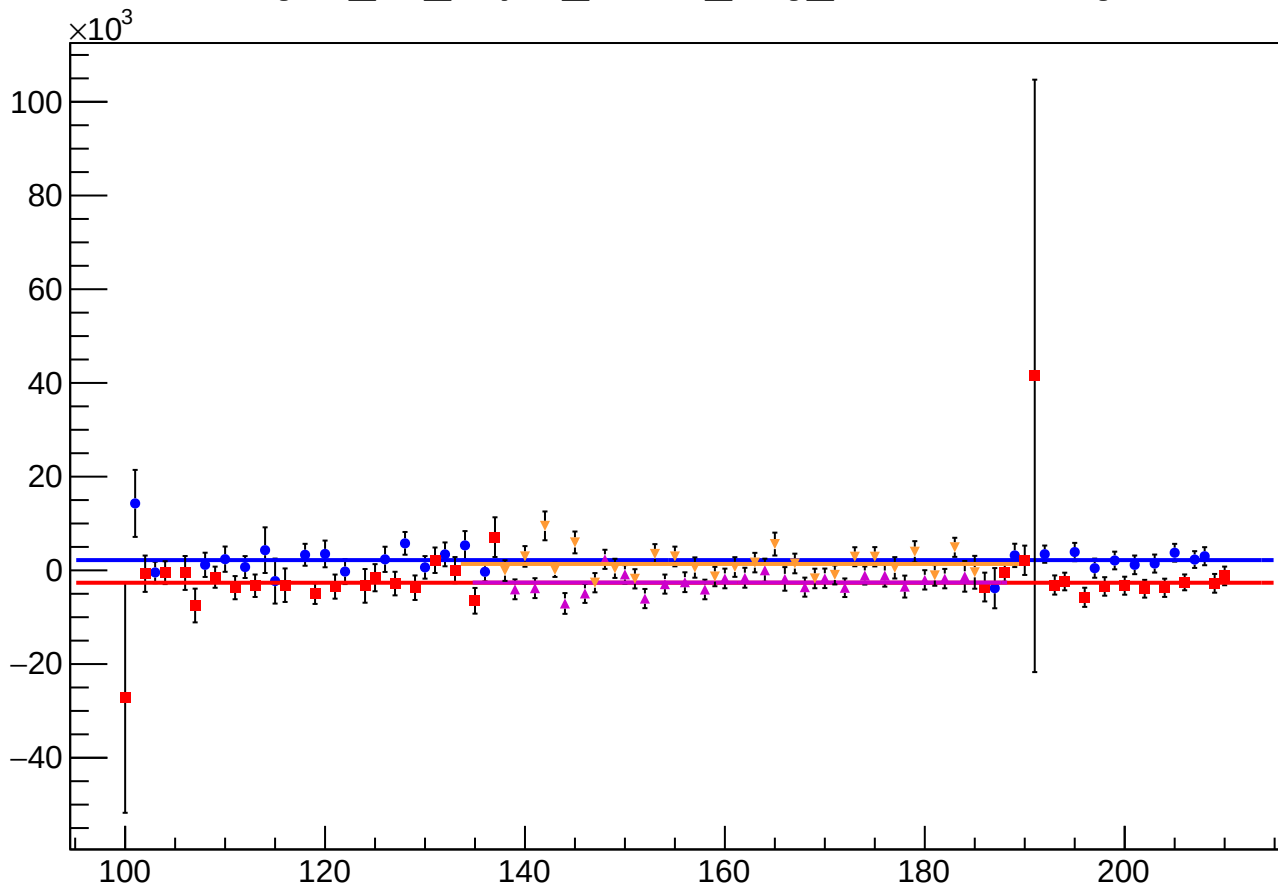
- sign 348.801 ± 722.770 χ^2/NDF : 56.9/55

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3702.347+/-0.692 χ^2/NDF : 2759821.9/26
 Left Out: 4915.244+/-0.818 χ^2/NDF : 2166229.1/24
 Right Out: 3510.256+/-0.630 χ^2/NDF : 4947636.3/32
 Left In: 5170.028+/-0.873 χ^2/NDF : 1348711.3/22
 All: 4141.780+/-0.367 χ^2/NDF : 14911748.5/51
 + sign 4208.664+/-0.528 χ^2/NDF : 6208383.9/51
 - sign 4079.161+/-0.511 χ^2/NDF : 8672317.8/55

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2188.445 $\pm$ 452.775 χ^2 /NDF: 17.9/26

Left Out: 1363.884 $\pm$ 427.333 χ^2 /NDF:36.1/24

Right Out: -2645.341 $\pm$ 427.695 χ^2 /NDF: 25.7/32

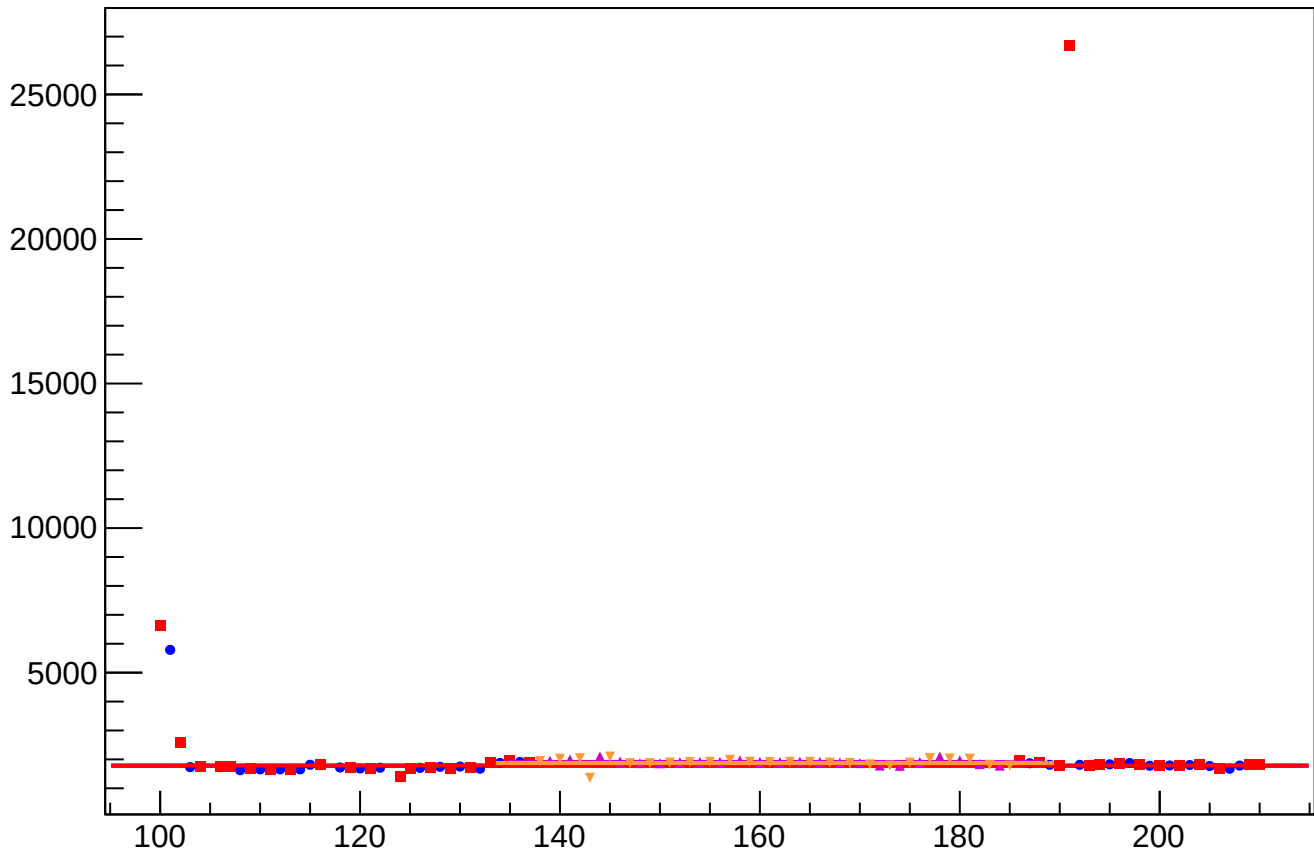
Left In: -2602.834 $\pm$ 446.742 χ^2 /NDF:20.0/22

+ sign 1752.347 $\pm$ 310.775 χ^2 /NDF: 55.8/51

All: -449.296 $\pm$ 219.100 χ^2 /NDF: 201.3/107

- sign -2625.013 $\pm$ 308.940 χ^2 /NDF: 45.7/55

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1781.130+/-0.320 χ^2/NDF : 682200.5/26

Left Out: 1873.178+/-0.302 χ^2/NDF : 309737.2/24

Right Out: 1788.919+/-0.302 χ^2/NDF : 562605.1/32

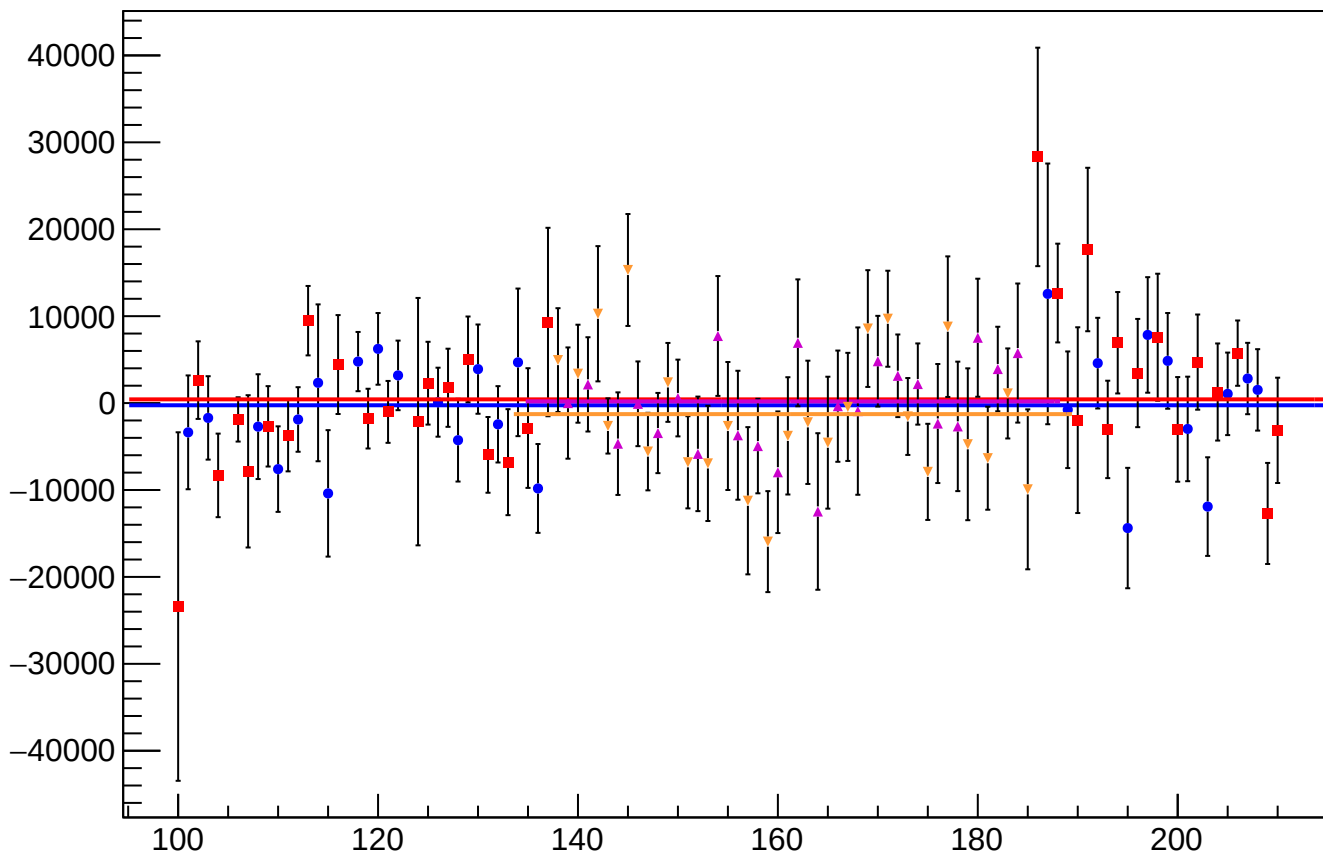
Left In: 1911.425+/-0.316 χ^2/NDF : 59142.0/22

+ sign 1829.813+/-0.220 χ^2/NDF : 1035656.0/51

All: 1838.682+/-0.155 χ^2/NDF : 1739195.0/10

- sign 1847.436+/-0.218 χ^2/NDF : 700302.3/55

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -251.253 ± 978.672 χ^2/NDF : 29.1/26

Left Out: -1269.765 ± 1156.133 χ^2/NDF : 33.4/24

Right Out: 428.003 ± 891.533 χ^2/NDF : 44.2/32

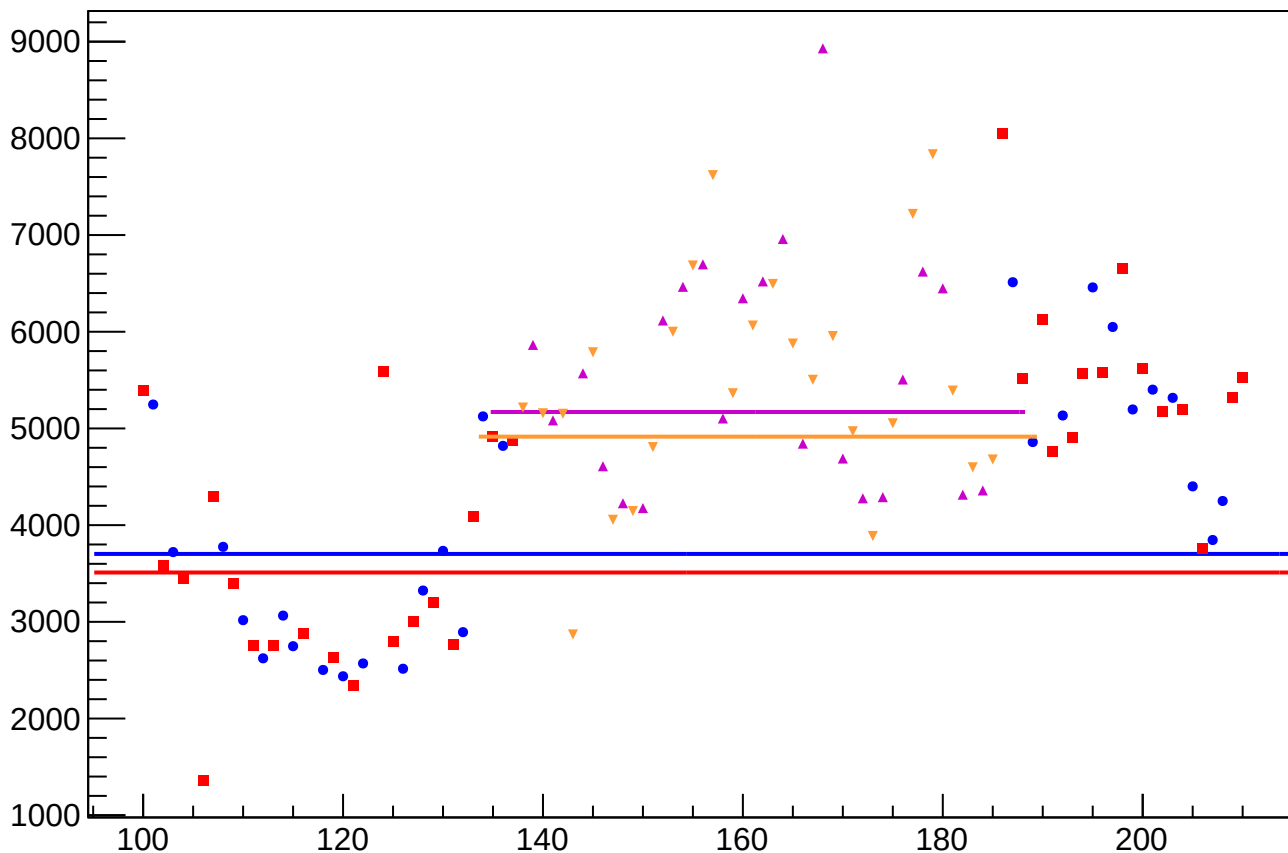
Left In: 196.918 ± 1234.540 χ^2/NDF : 12.7/22

+ sign -676.424 ± 746.976 χ^2/NDF : 63.0/51

All: -146.933 ± 519.422 χ^2/NDF : 120.9/107

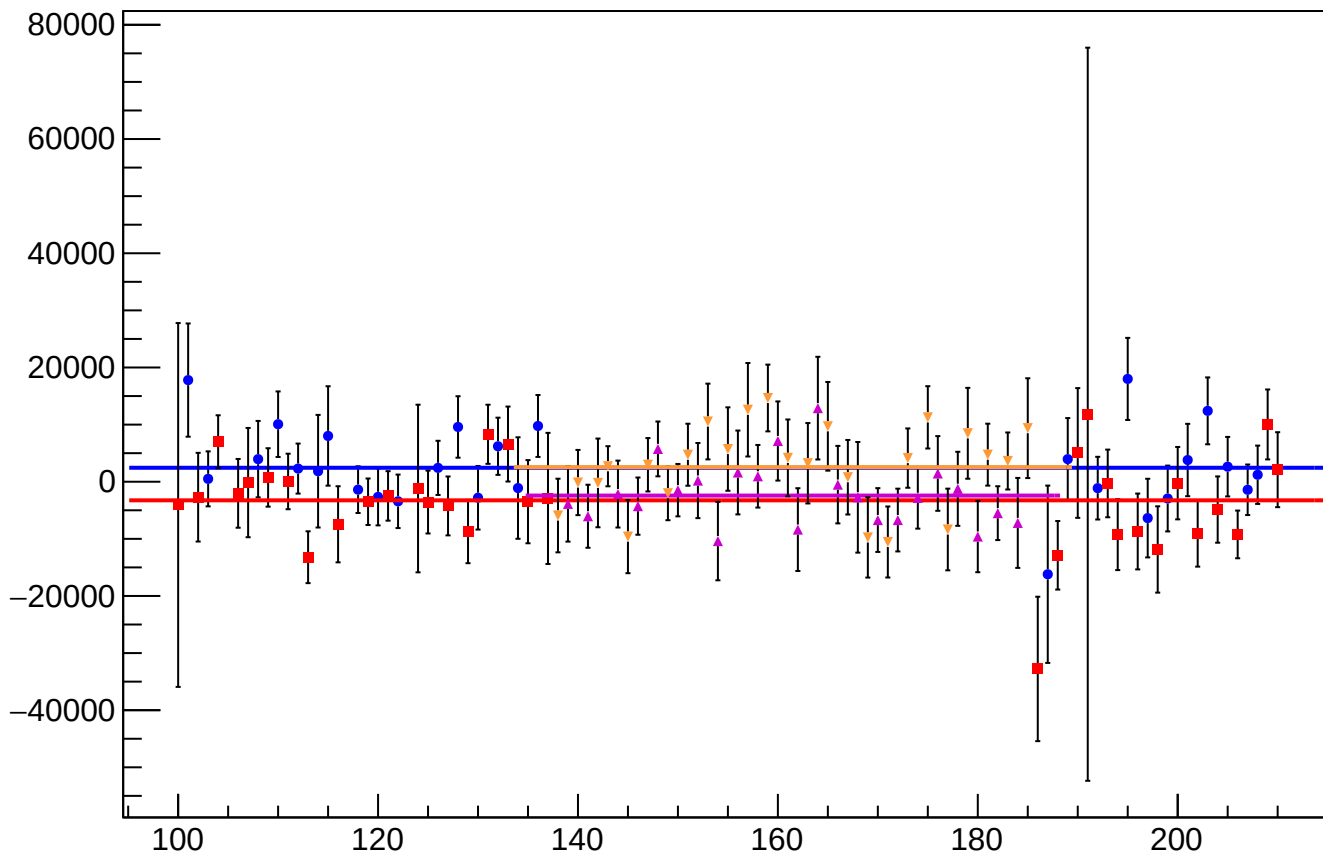
- sign 348.797 ± 722.770 χ^2/NDF : 56.9/55

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3702.339+/-0.692	χ^2/NDF : 2759865.4/26	+ sign 4208.661+/-0.528	χ^2/NDF : 6208463.2/51
Left Out: 4915.251+/-0.818	χ^2/NDF : 2166236.2/24	All: 4141.775+/-0.367	χ^2/NDF : 14911956.8/1
Right Out: 3510.245+/-0.630	χ^2/NDF : 4947707.9/32	- sign 4079.153+/-0.511	χ^2/NDF : 8672444.7/55
Left In: 5170.035+/-0.873	χ^2/NDF : 1348713.2/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2445.105 $\pm$ 1095.760 χ^2 /NDF: 26.4/26

Left Out: 2547.072 $\pm$ 1187.668 χ^2 /NDF:29.1/24

Right Out: -3257.025 $\pm$ 1059.445 χ^2 /NDF: 40.2/32

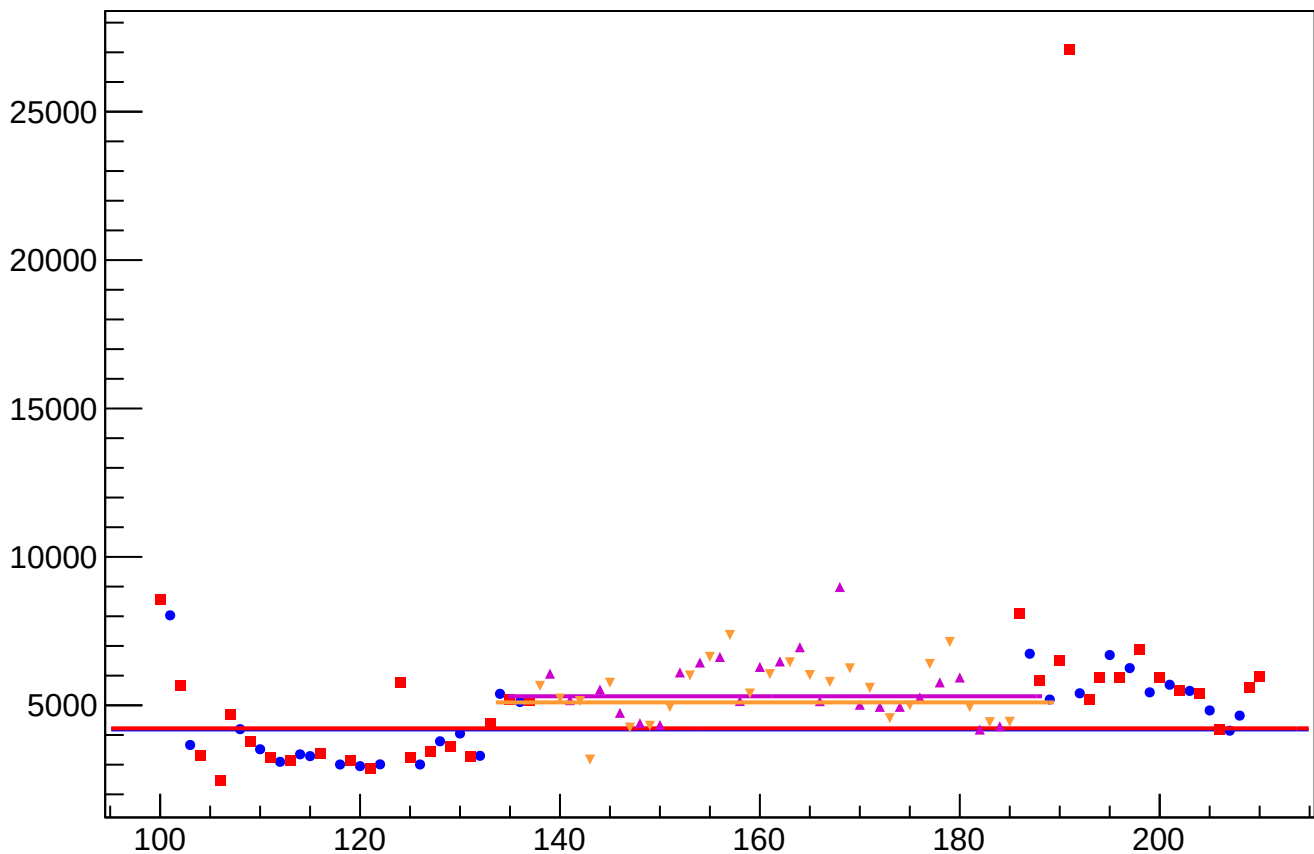
Left In: -2423.016 $\pm$ 1259.653 χ^2 /NDF:15.0/22

+ sign 2491.991 $\pm$ 805.354 χ^2 /NDF: 55.4/51

All: -191.546 $\pm$ 571.386 χ^2 /NDF: 133.2/107

- sign -2911.488 $\pm$ 810.798 χ^2 /NDF: 55.4/55

asym_atr1l2_avg_rms vs Slug



Right In: 4187.745+/-0.775 χ^2/NDF : 2189413.9/26

Left Out: 5097.995+/-0.840 χ^2/NDF : 1544385.5/24

Right Out: 4224.868+/-0.742 χ^2/NDF : 3153618.2/32

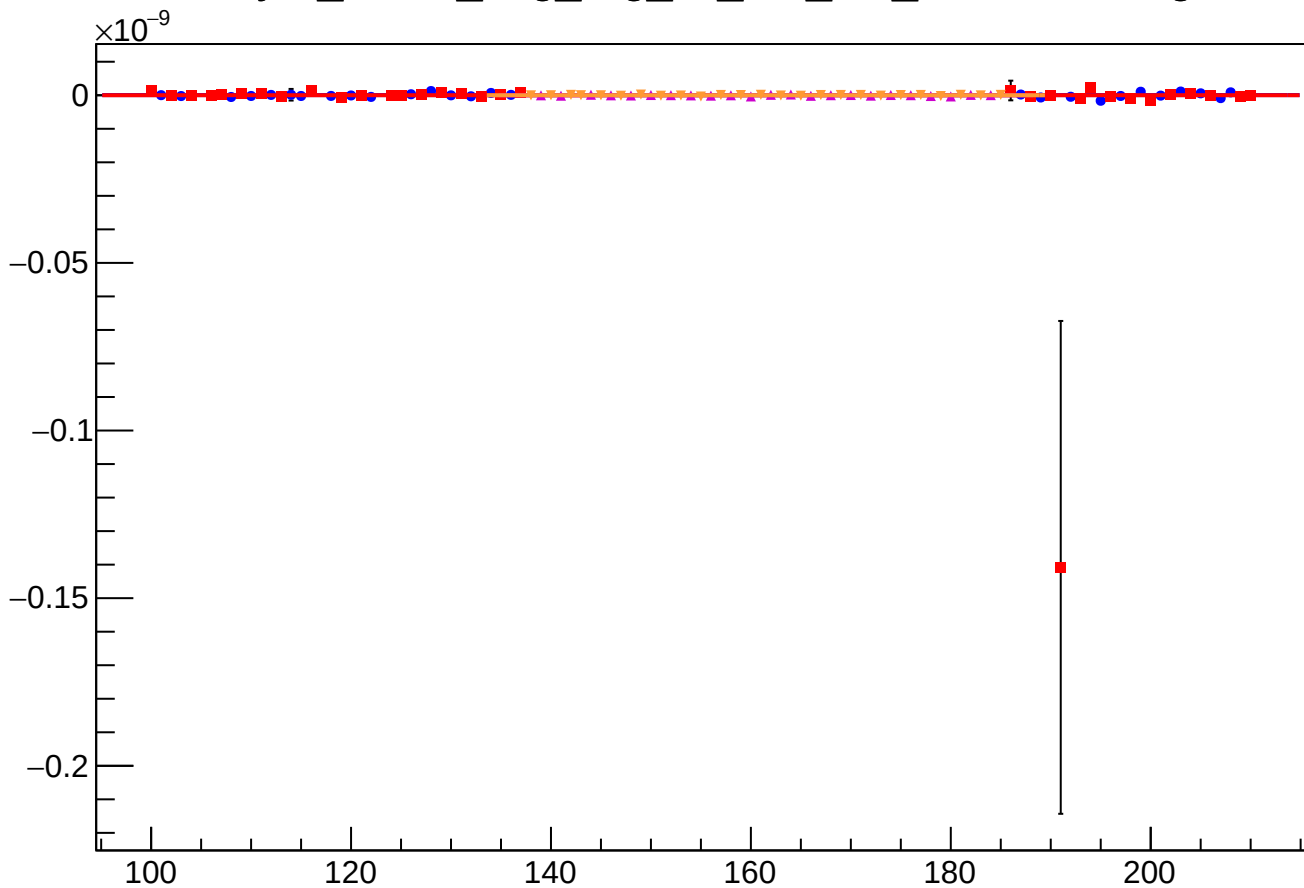
Left In: 5304.171+/-0.891 χ^2/NDF : 1017974.6/22

+ sign 4606.291+/-0.569 χ^2/NDF : 4368406.1/51

All: 4636.589+/-0.403 χ^2/NDF : 9412552.4/100

- sign 4666.949+/-0.570 χ^2/NDF : 5038479.3/55

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 36.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :15.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 41.2/32

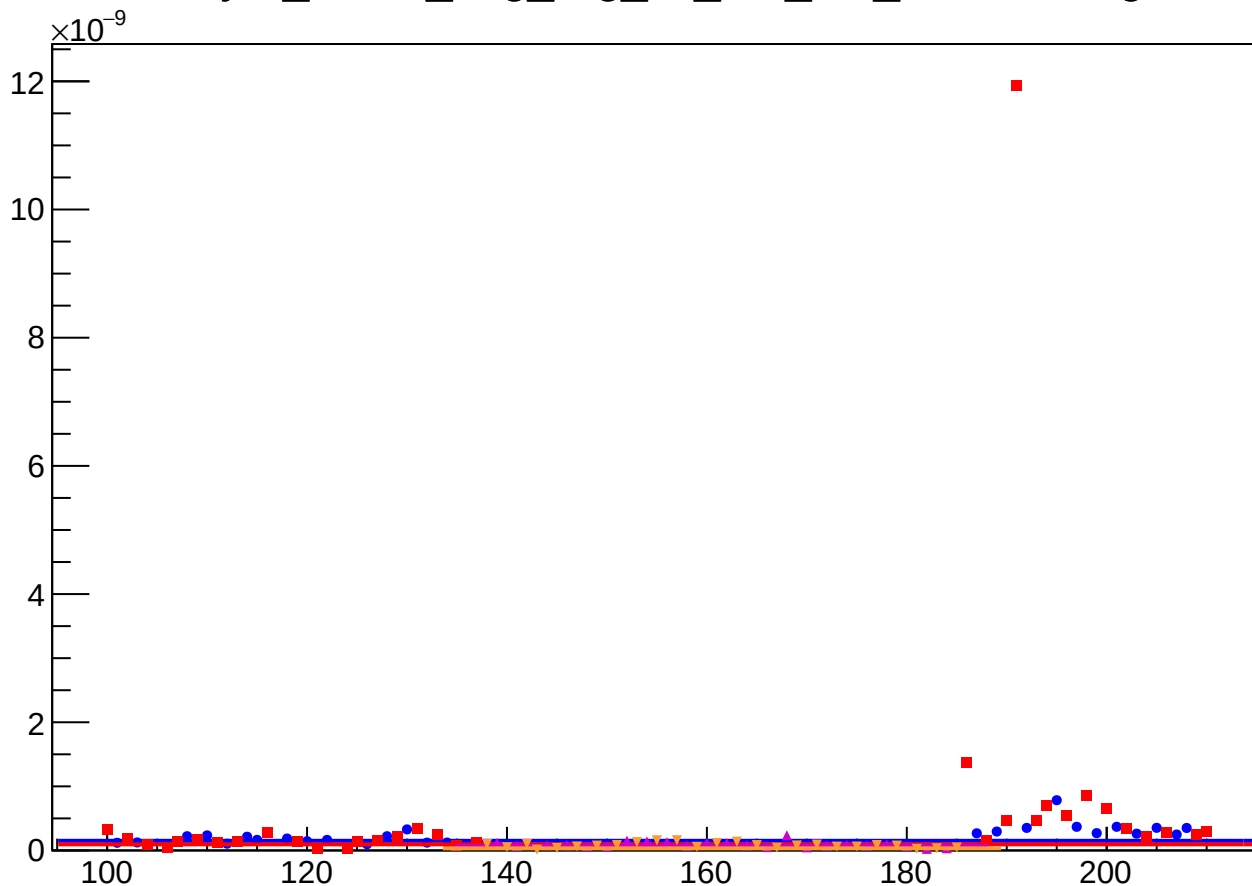
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :22.9/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 52.0/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 116.1/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 64.1/55

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3014782.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:6126369.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7550319.5/32

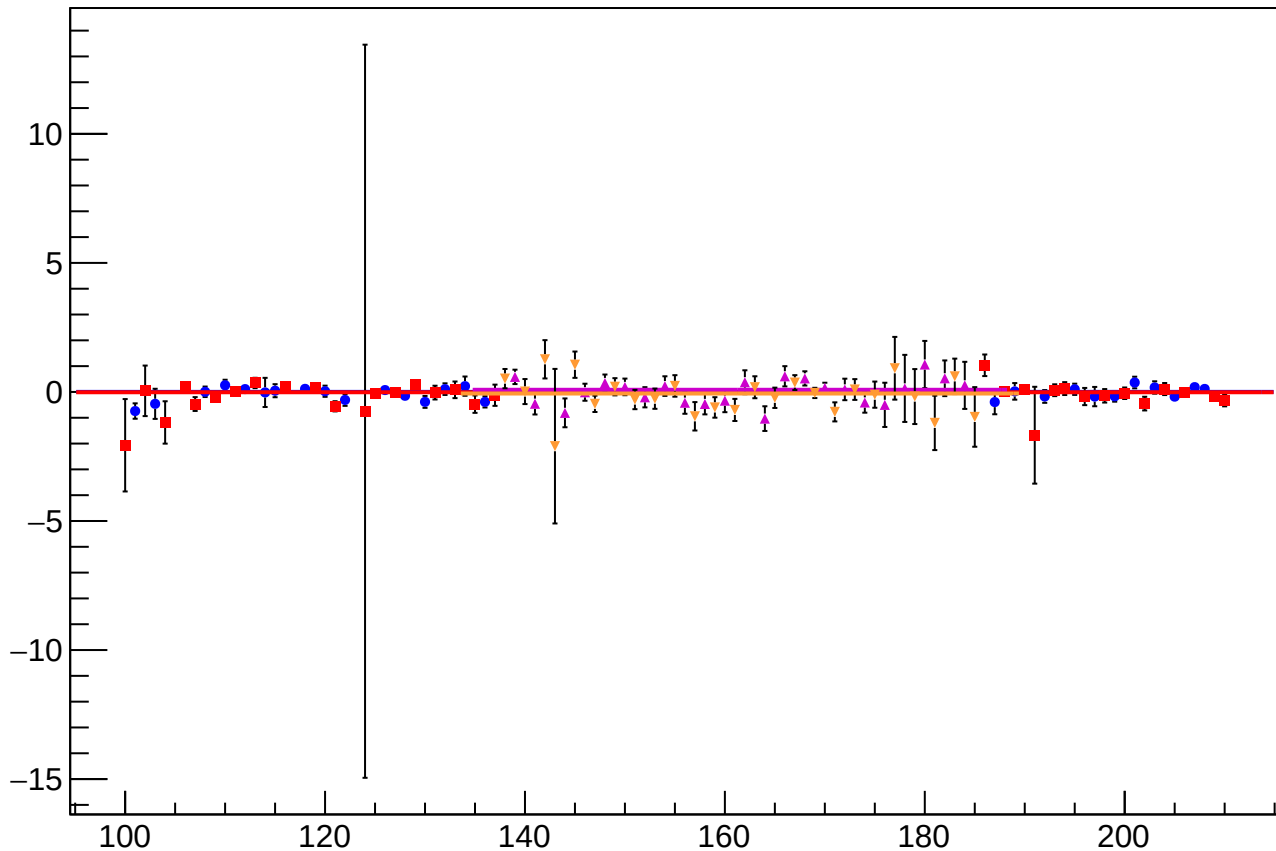
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2448729.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14830745.1/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 27934639.5/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10452003.6/55

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.041 χ^2/NDF : 28.1/26

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: -0.012 ± 0.037 χ^2/NDF : 43.0/32

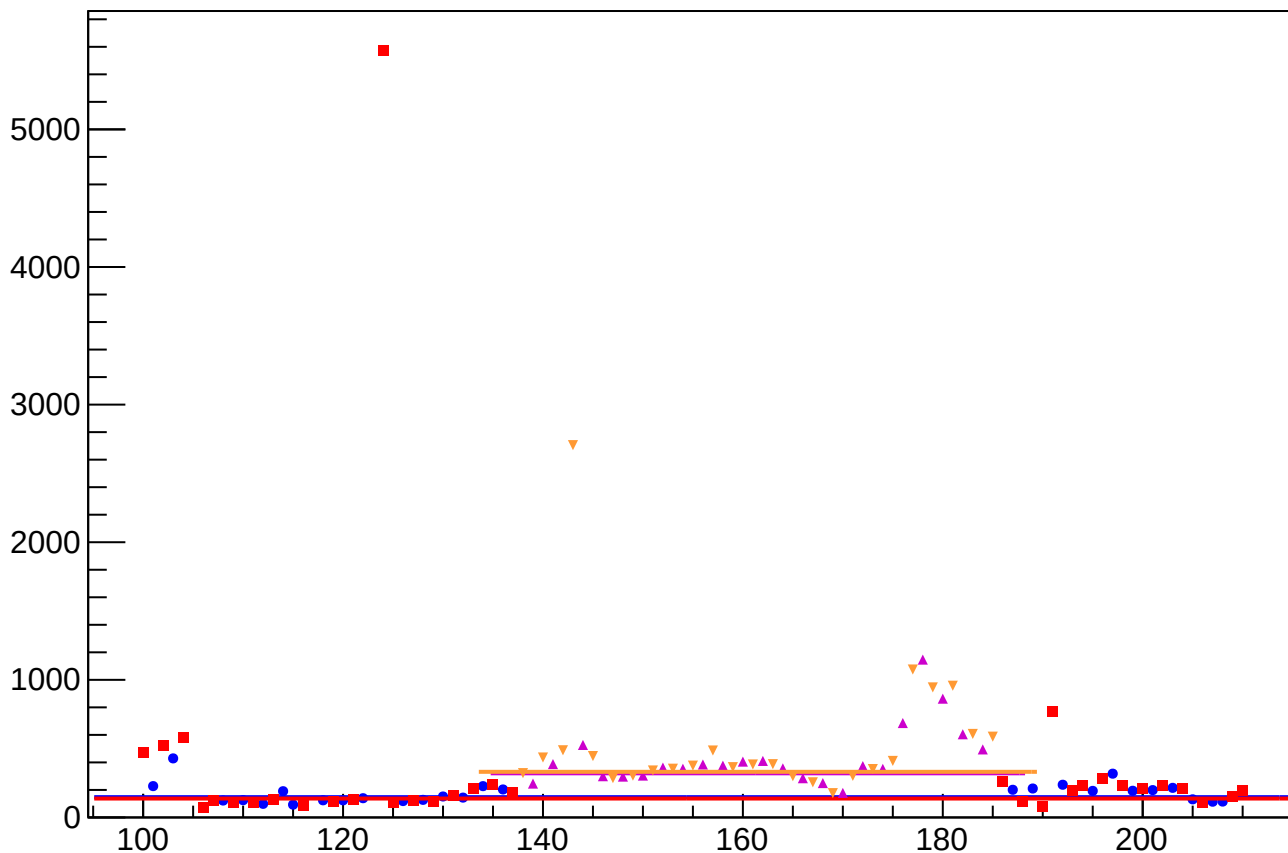
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.010 ± 0.037 χ^2/NDF : 59.3/51

All: -0.002 ± 0.025 χ^2/NDF : 130.5/107

- sign 0.005 ± 0.034 χ^2/NDF : 71.1/55

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 147.504+/-0.029 χ^2/NDF : 2844501.2/26

Left Out: 331.651+/-0.059 χ^2/NDF : 5838206.4/24

Right Out: 137.461+/-0.026 χ^2/NDF : 5062499.4/32

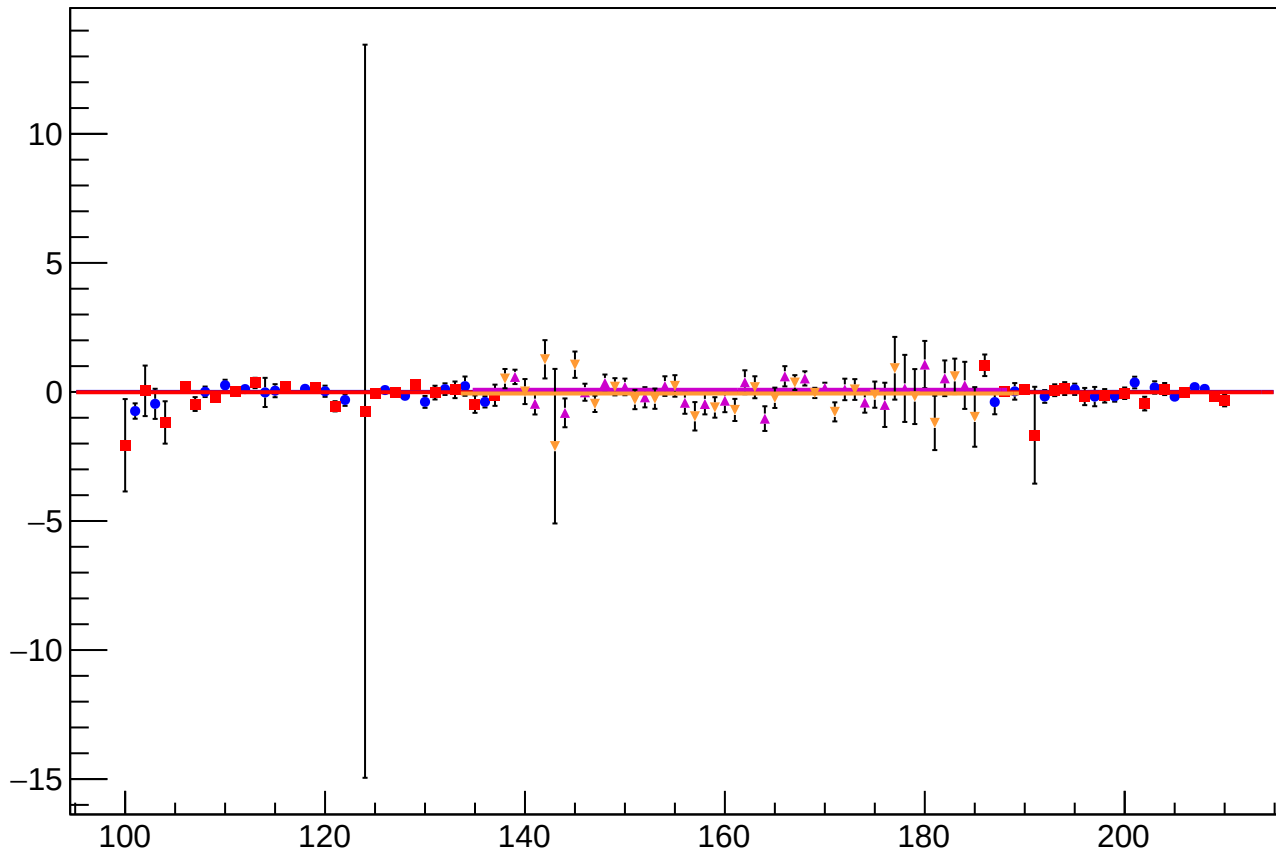
Left In: 320.746+/-0.057 χ^2/NDF : 4248172.2/22

+ sign 182.957+/-0.026 χ^2/NDF : 16500975.3/51

All: 175.511+/-0.018 χ^2/NDF : 34399222.9/10

- sign 169.213+/-0.024 χ^2/NDF : 17746464.9/55

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.041 χ^2/NDF : 28.1/26

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: -0.012 ± 0.037 χ^2/NDF : 43.0/32

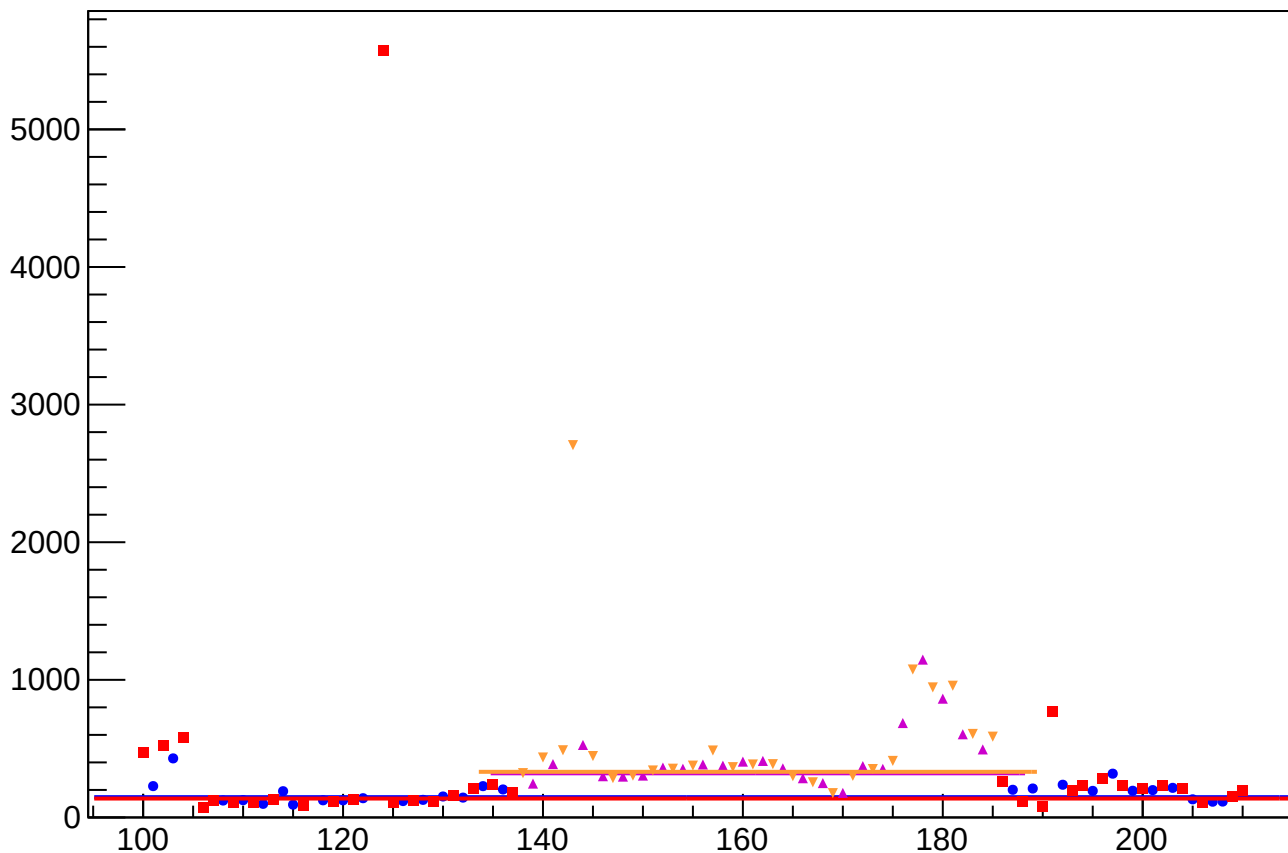
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.010 ± 0.037 χ^2/NDF : 59.3/51

All: -0.002 ± 0.025 χ^2/NDF : 130.5/107

- sign 0.005 ± 0.034 χ^2/NDF : 71.1/55

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 147.504 $\pm$ 0.029 χ^2 /NDF: 2844501.2/26

Left Out: 331.651 $\pm$ 0.059 χ^2 /NDF: 5838206.4/24

Right Out: 137.461 $\pm$ 0.026 χ^2 /NDF: 5062499.4/32

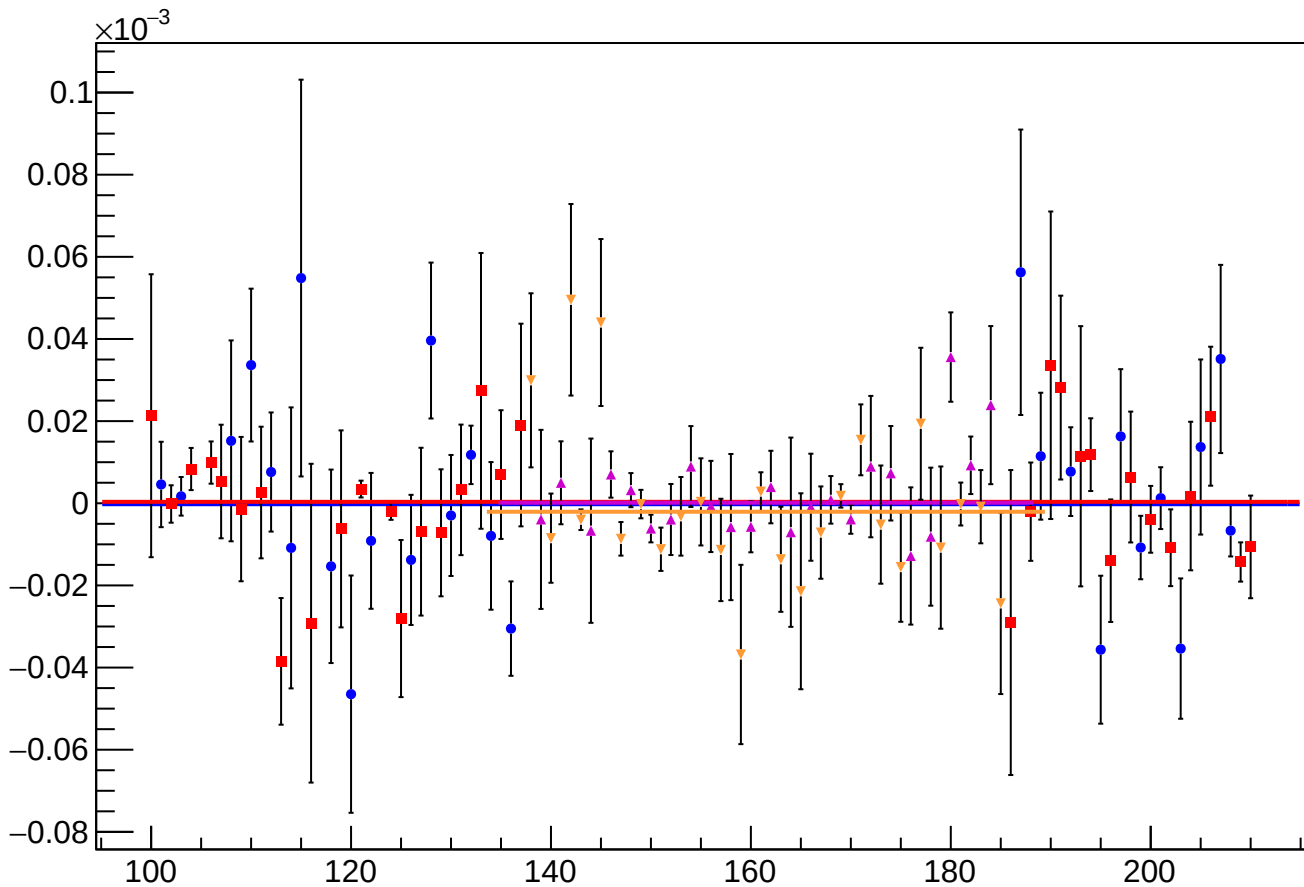
Left In: 320.746 $\pm$ 0.057 χ^2 /NDF: 4248172.2/22

+ sign 182.957 $\pm$ 0.026 χ^2 /NDF: 16500975.3/51

All: 175.511 $\pm$ 0.018 χ^2 /NDF: 34399222.9/10

- sign 169.213 $\pm$ 0.024 χ^2 /NDF: 17746464.9/55

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 42.8/26$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 34.8/24$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 40.2/32$

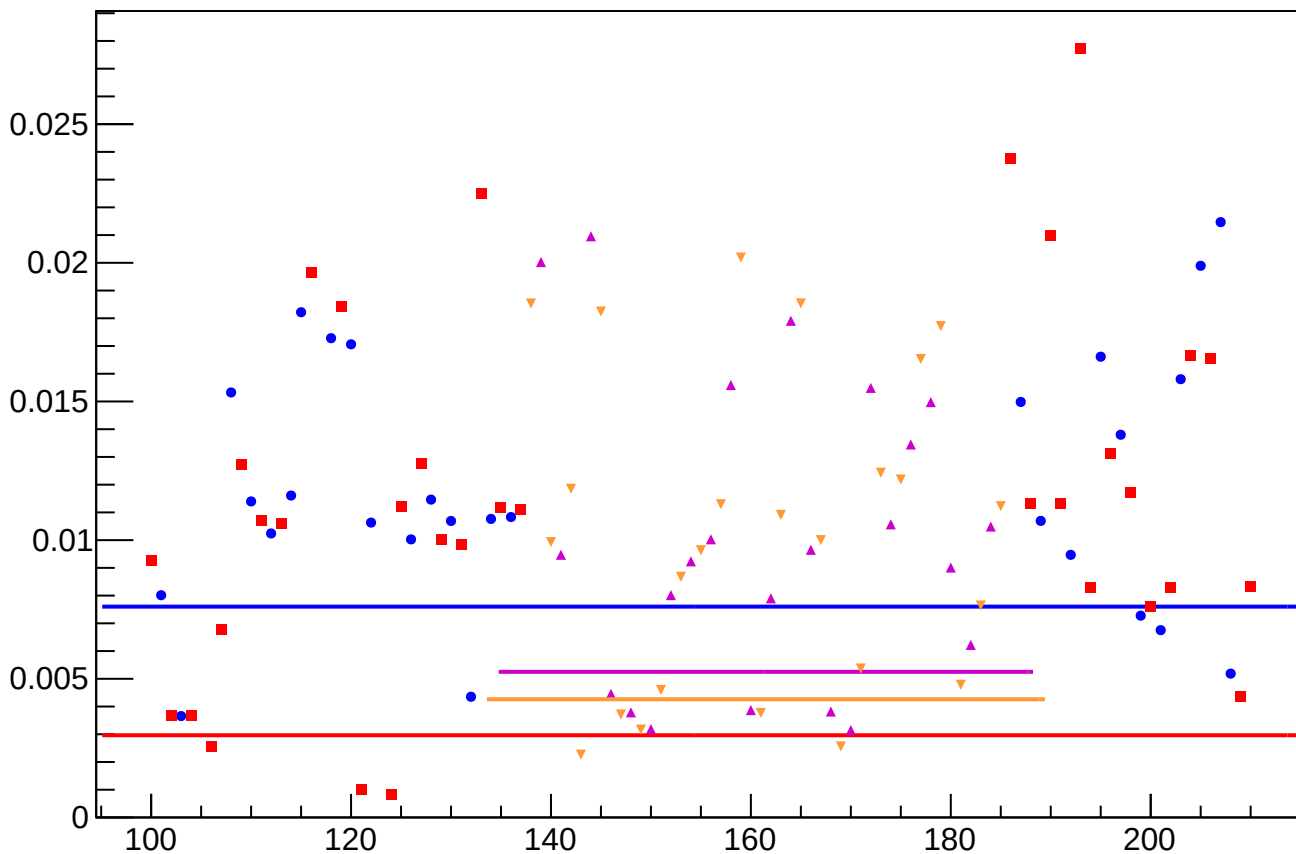
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 24.9/22$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 78.2/51$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 145.1/107$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 65.1/55$

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 6560366.8/26

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:12968514.8/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 20213987.8/32

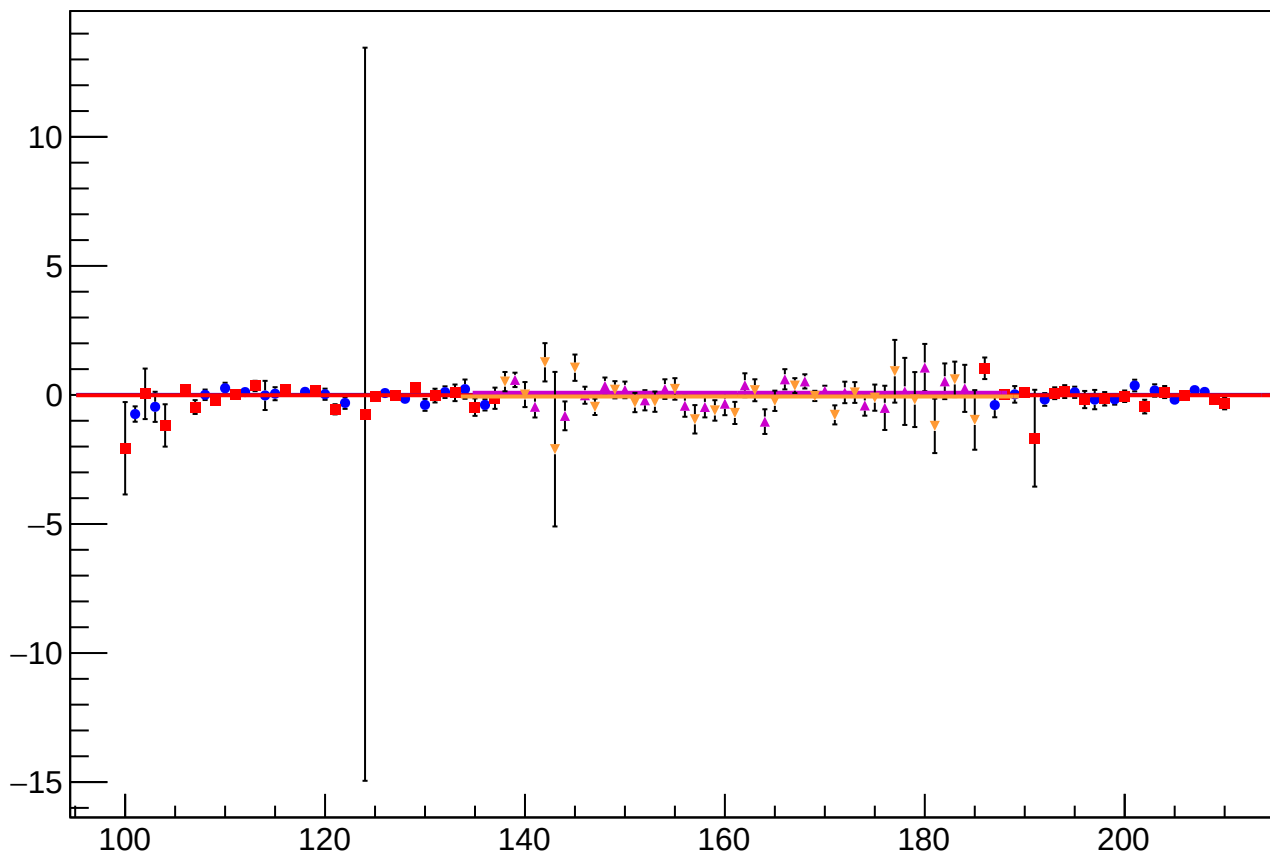
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:9531217.7/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 22951936.0/51

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 57126058.6/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 32622144.2/55

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.041 χ^2/NDF : 28.1/26

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: -0.012 ± 0.037 χ^2/NDF : 43.0/32

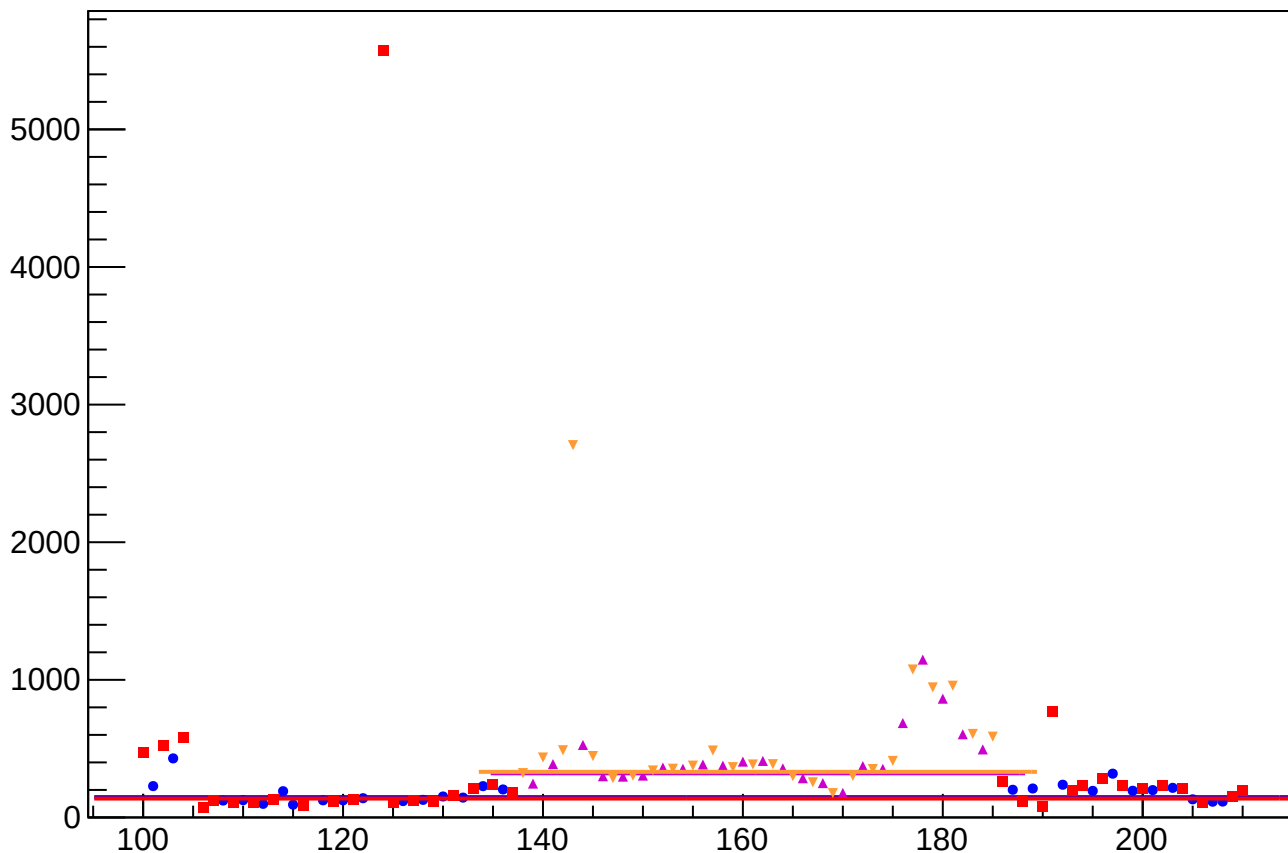
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.010 ± 0.037 χ^2/NDF : 59.3/51

All: -0.002 ± 0.025 χ^2/NDF : 130.5/107

- sign 0.005 ± 0.034 χ^2/NDF : 71.1/55

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 147.504 $\pm$ 0.029 χ^2 /NDF: 2844476.3/26

Left Out: 331.653 $\pm$ 0.059 χ^2 /NDF: 5838264.0/24

Right Out: 137.461 $\pm$ 0.026 χ^2 /NDF: 5062525.9/32

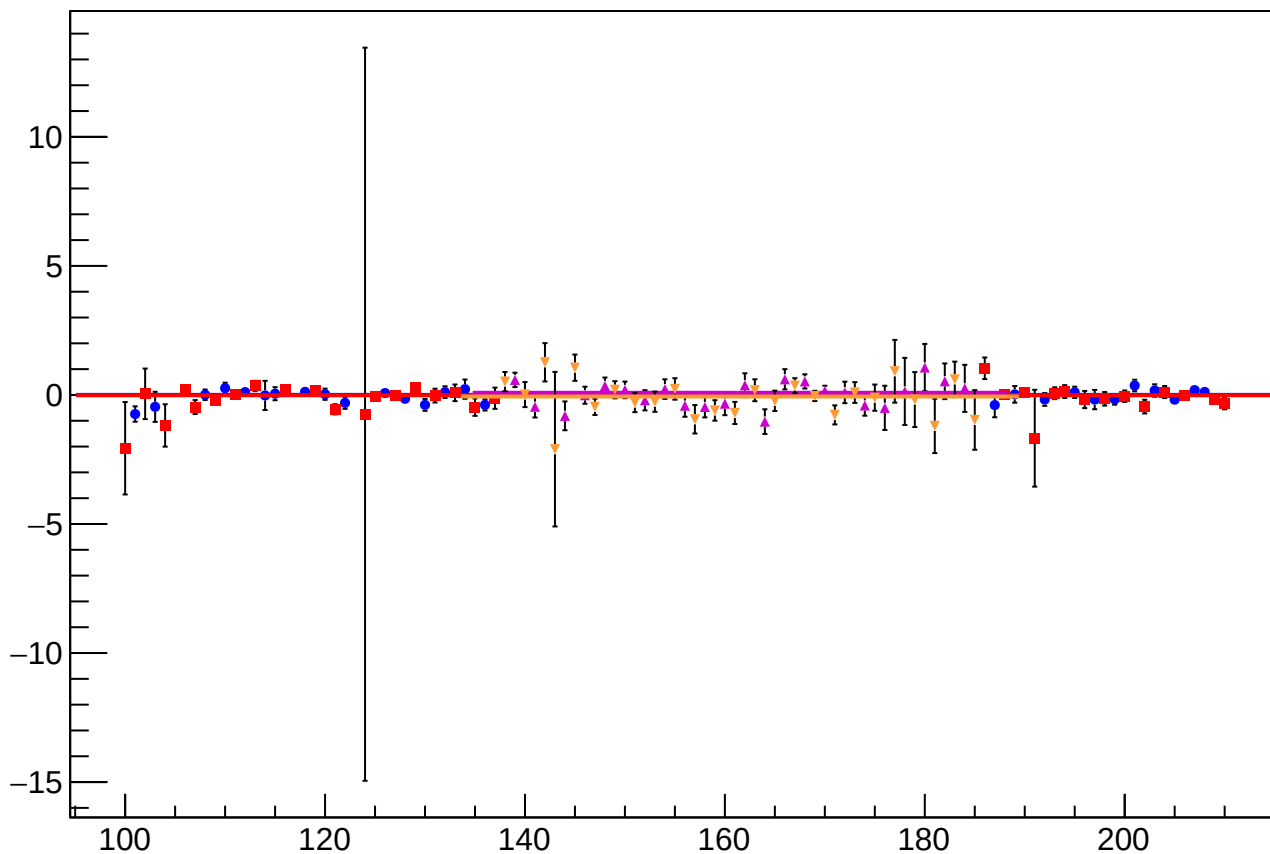
Left In: 320.749 $\pm$ 0.057 χ^2 /NDF: 4248171.3/22

+ sign 182.958 $\pm$ 0.026 χ^2 /NDF: 16501074.8/51

All: 175.511 $\pm$ 0.018 χ^2 /NDF: 34399586.5/10

- sign 169.212 $\pm$ 0.024 χ^2 /NDF: 17746707.8/55

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.041 $\chi^2/\text{NDF}: 28.1/26$

Left Out: -0.061 ± 0.084 $\chi^2/\text{NDF}: 30.8/24$

Right Out: -0.012 ± 0.037 $\chi^2/\text{NDF}: 43.0/32$

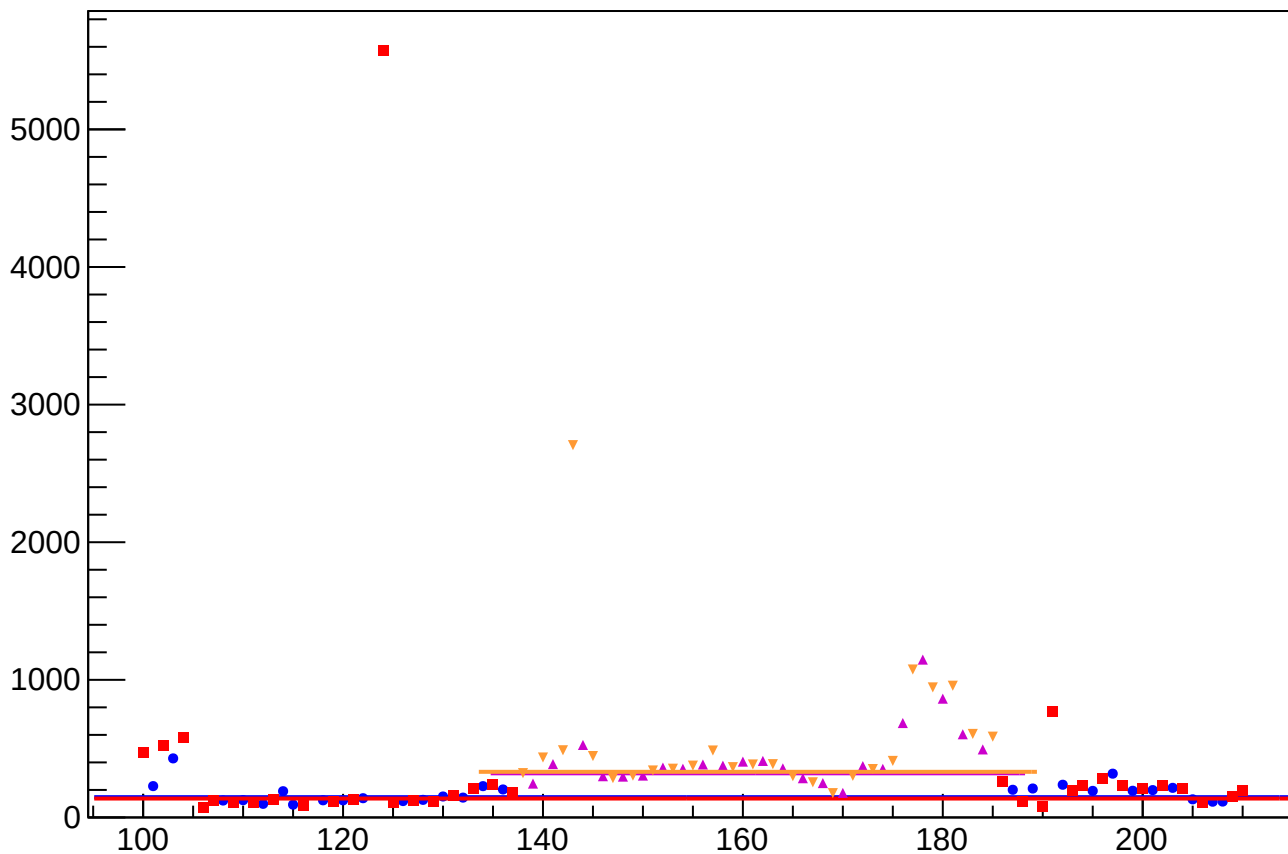
Left In: 0.084 ± 0.081 $\chi^2/\text{NDF}: 27.0/22$

+ sign -0.010 ± 0.037 $\chi^2/\text{NDF}: 59.3/51$

All: -0.002 ± 0.025 $\chi^2/\text{NDF}: 130.5/107$

- sign 0.005 ± 0.034 $\chi^2/\text{NDF}: 71.1/55$

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 147.504+/-0.029 χ^2/NDF : 2844476.3/26

Left Out: 331.653+/-0.059 χ^2/NDF : 5838264.0/24

Right Out: 137.461+/-0.026 χ^2/NDF : 5062525.9/32

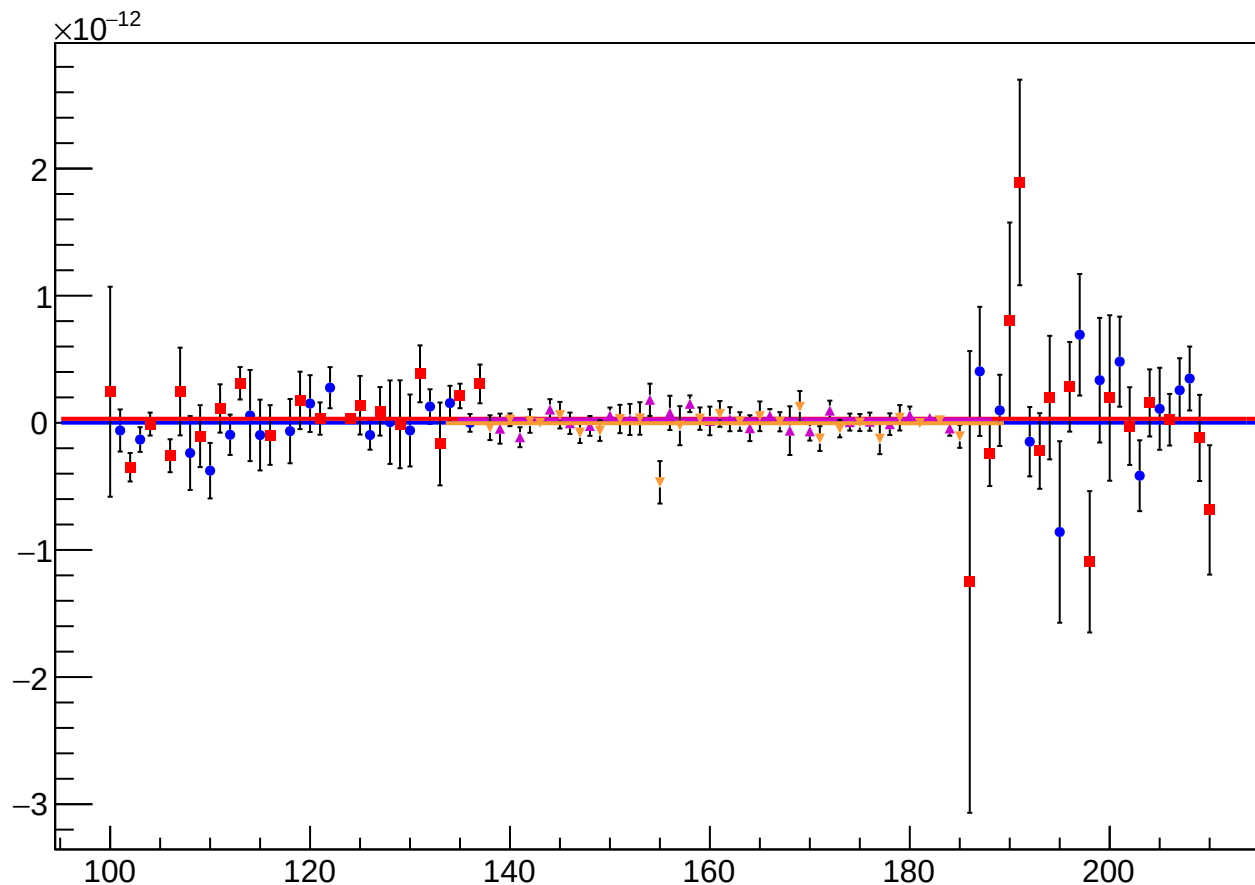
Left In: 320.749+/-0.057 χ^2/NDF : 4248171.3/22

+ sign 182.958+/-0.026 χ^2/NDF : 16501074.8/51

All: 175.511+/-0.018 χ^2/NDF : 34399586.5/10

- sign 169.212+/-0.024 χ^2/NDF : 17746707.8/55

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.7/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:17.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 49.0/32

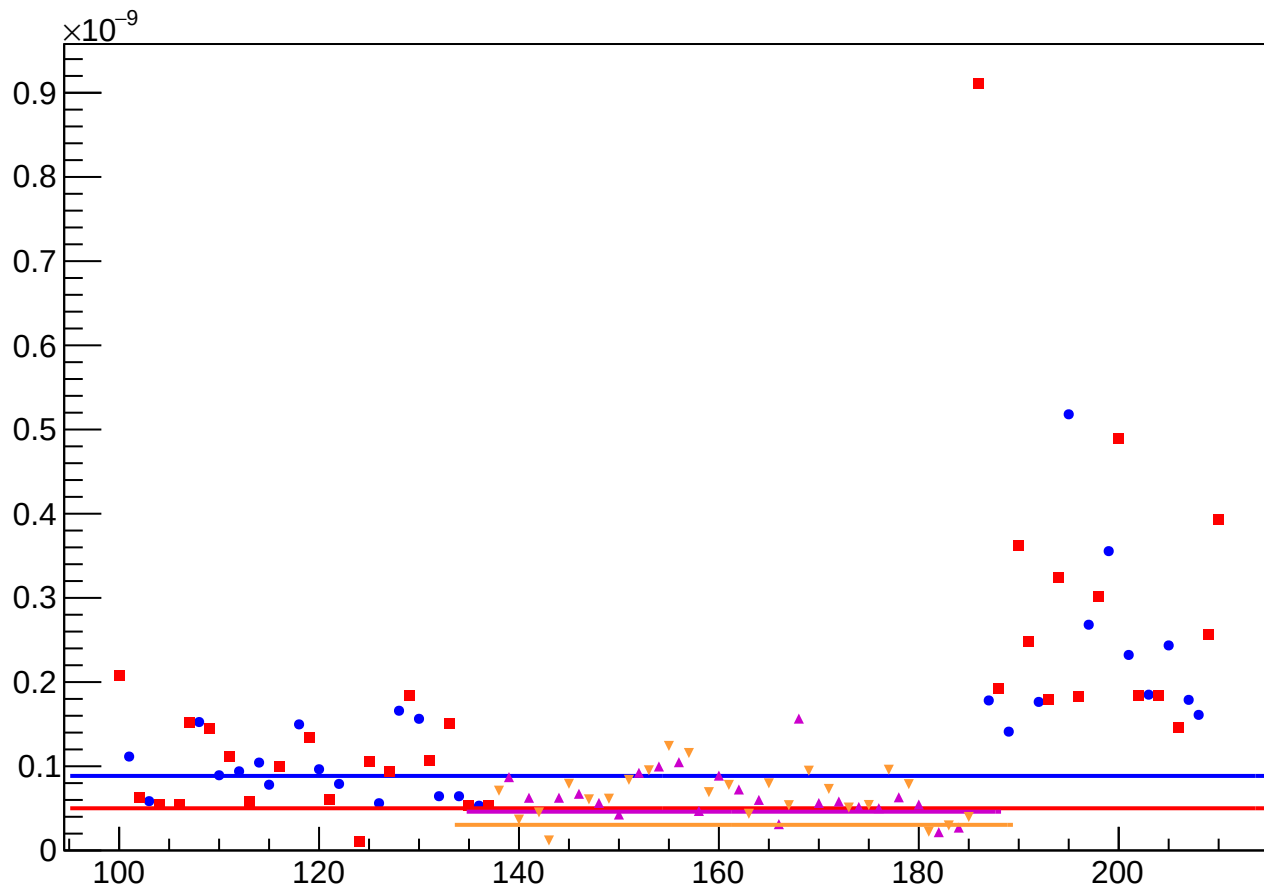
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.1/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 110.5/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 65.2/55

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 4883198.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 10517831.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 11793554.3/32

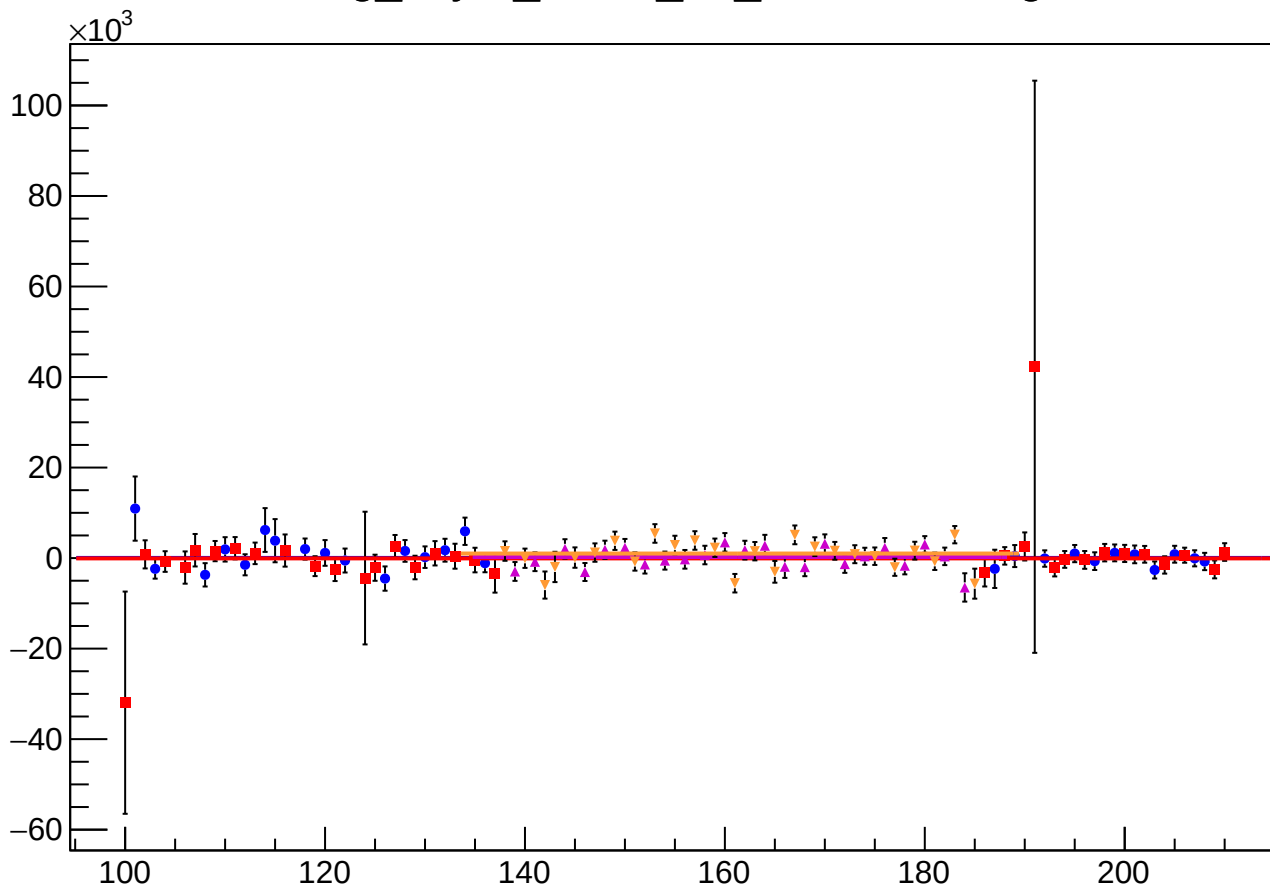
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 4899715.4/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 20479651.5/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 38238816.4/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 16734227.7/55

reg_asym_atr1l2_dd_mean vs Slug



Right In: 34.777 ± 446.187 χ^2/NDF : 21.3/26

Left Out: 1004.165 ± 422.582 χ^2/NDF : 47.4/24

Right Out: -67.356 ± 422.627 χ^2/NDF : 16.1/32

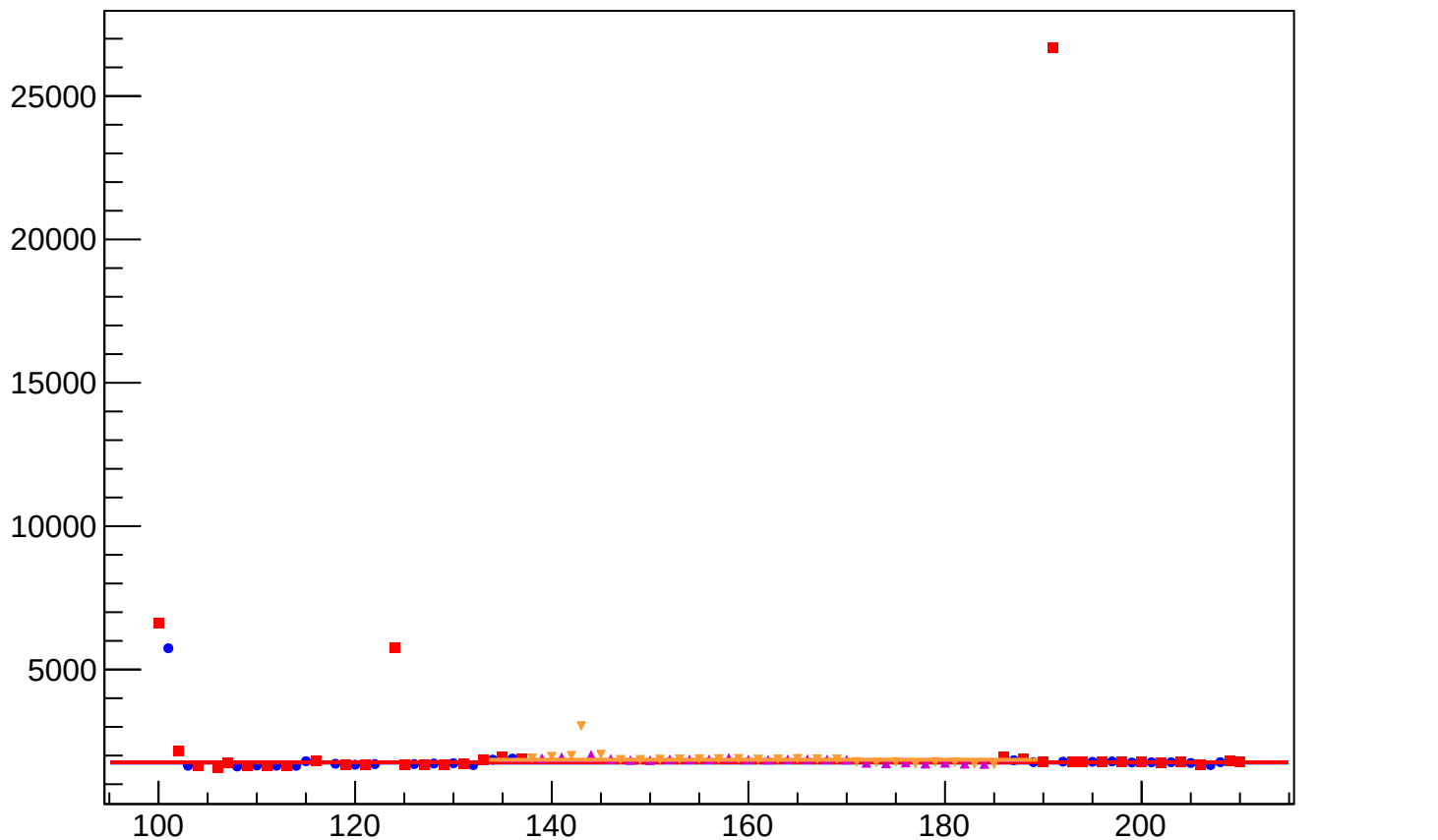
Left In: 229.321 ± 429.699 χ^2/NDF : 26.4/22

+ sign 545.790 ± 306.816 χ^2/NDF : 71.2/51

All: 307.926 ± 214.979 χ^2/NDF : 115.1/107

- sign 78.522 ± 301.312 χ^2/NDF : 42.7/55

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1755.594+/-0.316 χ^2/NDF : 677639.0/26

Left Out: 1852.534+/-0.299 χ^2/NDF : 321038.9/24

Right Out: 1764.616+/-0.298 χ^2/NDF : 645839.4/32

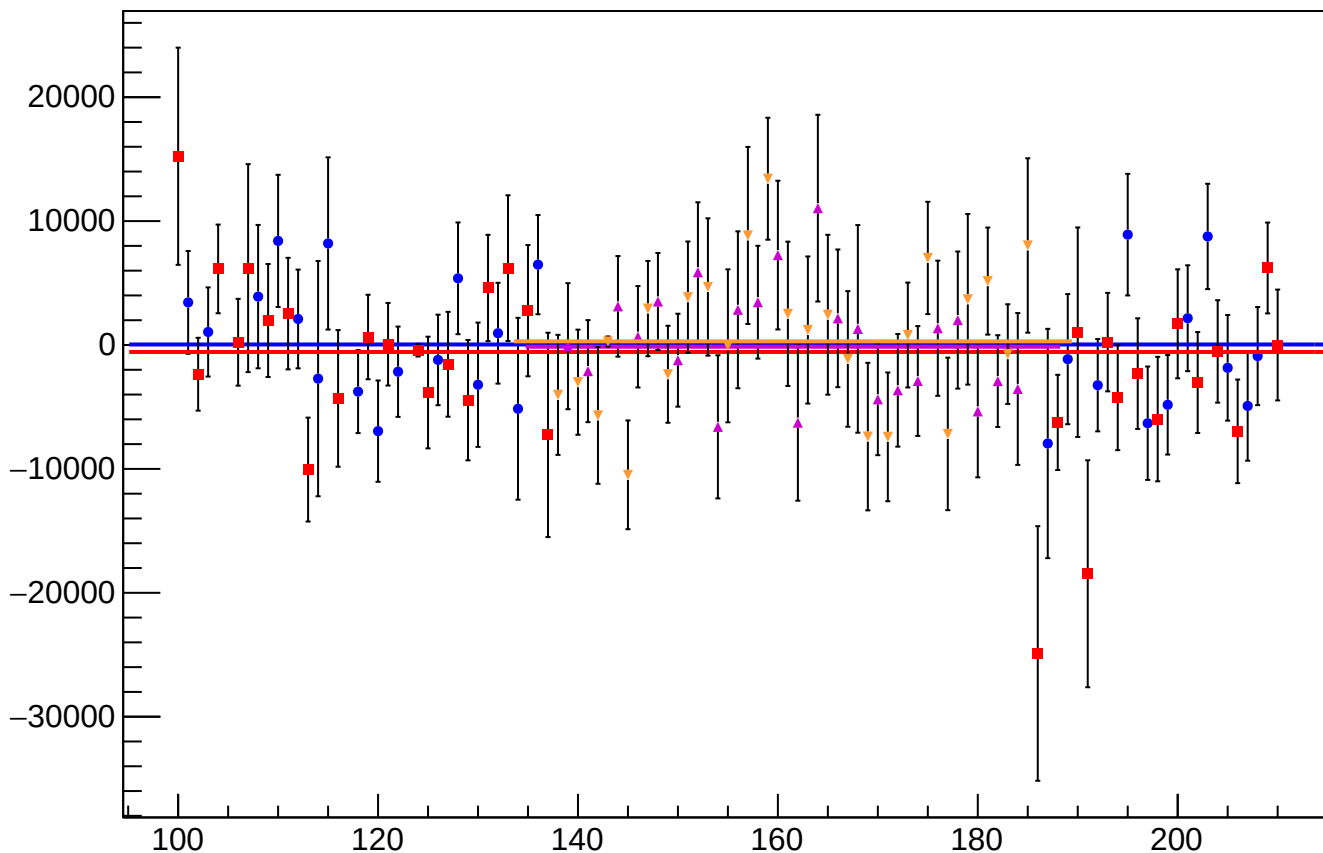
Left In: 1838.528+/-0.304 χ^2/NDF : 68478.0/22

+ sign 1806.696+/-0.217 χ^2/NDF : 1048444.1/51

All: 1803.713+/-0.152 χ^2/NDF : 1793300.8/10

- sign 1800.845+/-0.213 χ^2/NDF : 744486.0/55

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 42.417 ± 852.436 χ^2/NDF : 29.2/26

Left Out: 294.407 ± 379.922 χ^2/NDF : 30.0/24

Right Out: -561.982 ± 429.045 χ^2/NDF : 39.7/32

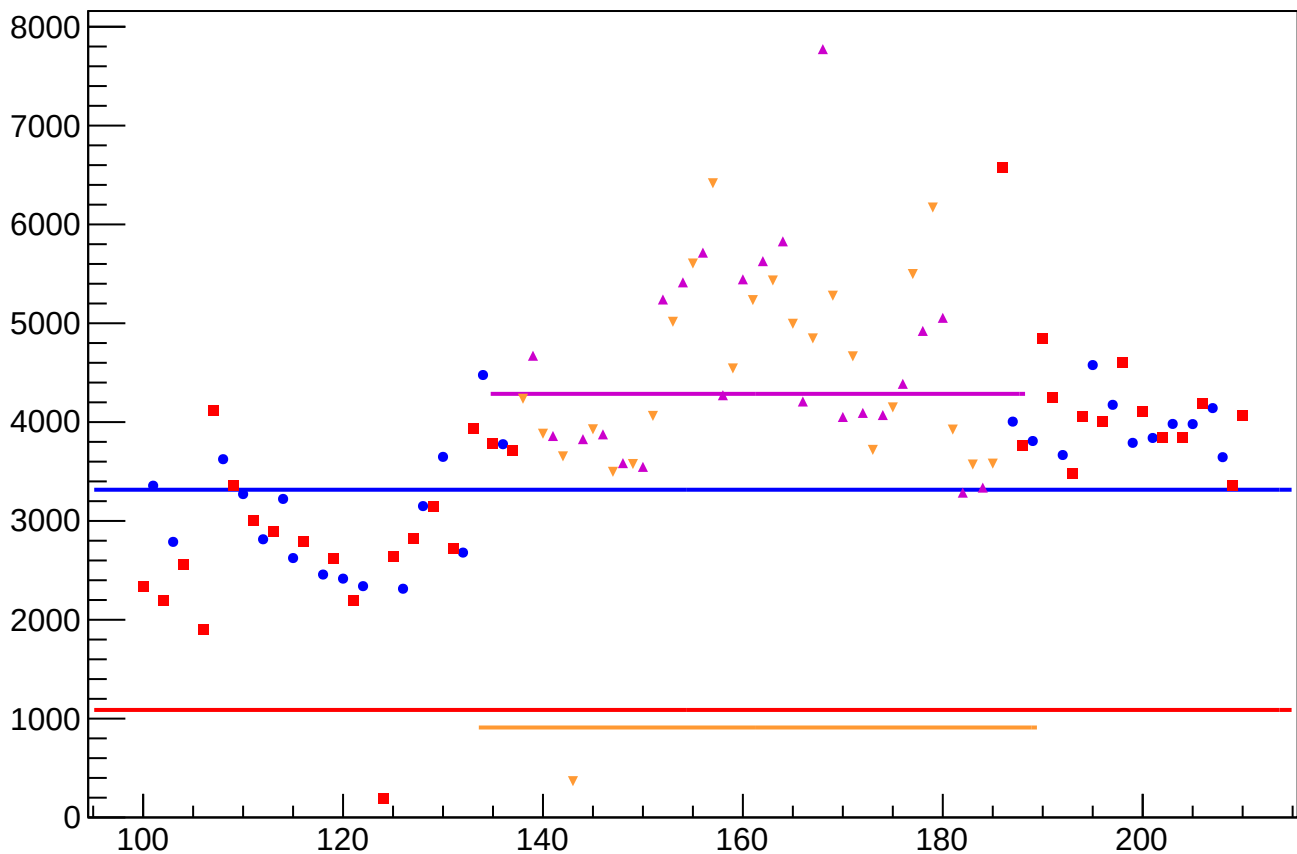
Left In: -138.350 ± 1022.943 χ^2/NDF : 13.9/22

+ sign 252.647 ± 347.016 χ^2/NDF : 59.3/51

All: -73.991 ± 260.888 χ^2/NDF : 115.1/107

- sign -498.608 ± 395.654 χ^2/NDF : 53.7/55

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3315.720 ± 0.603 $\chi^2/\text{NDF}: 1247813.1/26$

Left Out: 910.135 ± 0.269 $\chi^2/\text{NDF}: 26774123.9/24$

Right Out: 1087.763 ± 0.303 $\chi^2/\text{NDF}: 22885660.0/32$

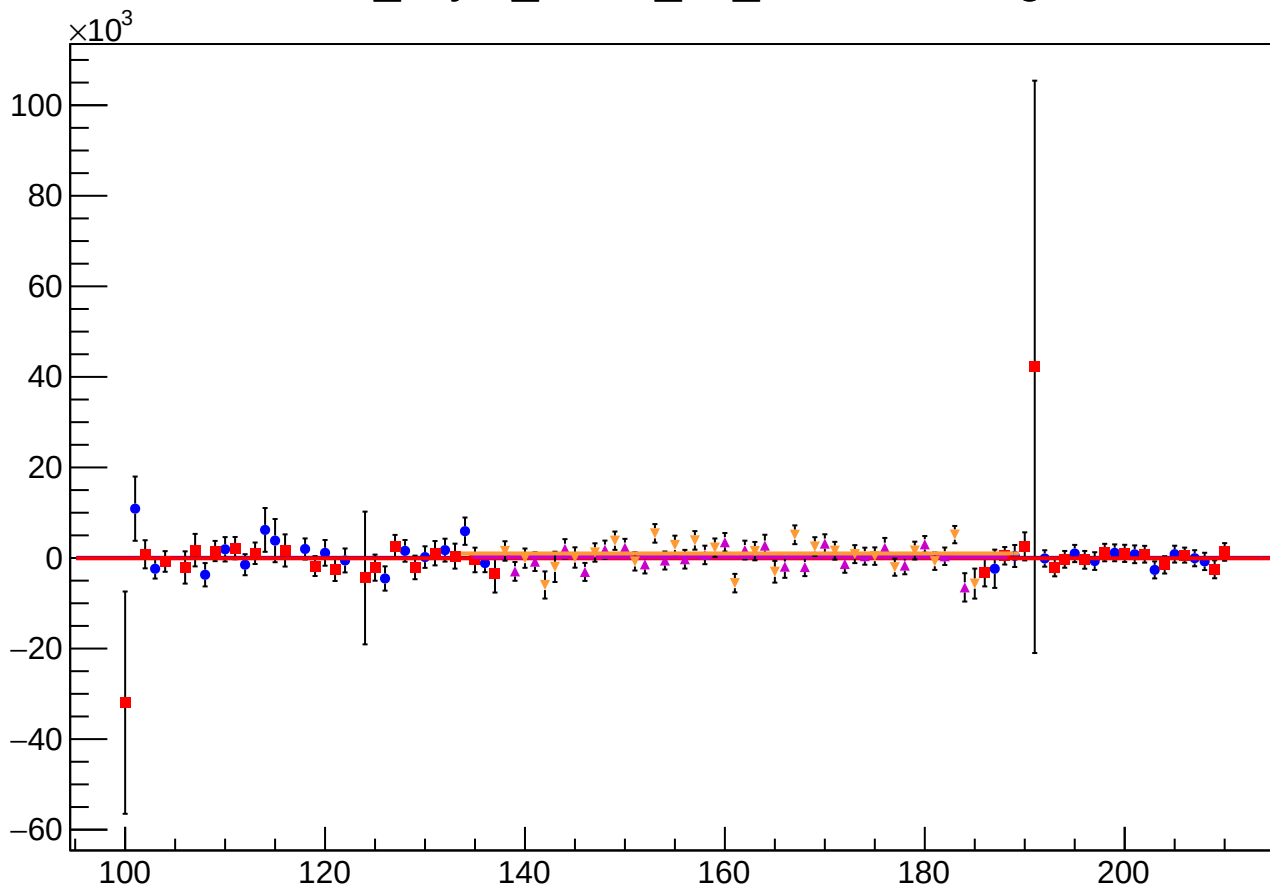
Left In: 4285.839 ± 0.723 $\chi^2/\text{NDF}: 1327947.9/22$

+ sign 1308.790 ± 0.245 $\chi^2/\text{NDF}: 41309937.9/51$

All: 1420.705 ± 0.184 $\chi^2/\text{NDF}: 82625724.0/100$

- sign 1566.190 ± 0.280 $\chi^2/\text{NDF}: 40837346.7/55$

cor_asym_atr1l2_dd_mean vs Slug



Right In: 34.632 ± 446.187 χ^2/NDF : 21.3/26

Left Out: 1004.123 ± 422.582 χ^2/NDF : 47.4/24

Right Out: -67.364 ± 422.627 χ^2/NDF : 16.1/32

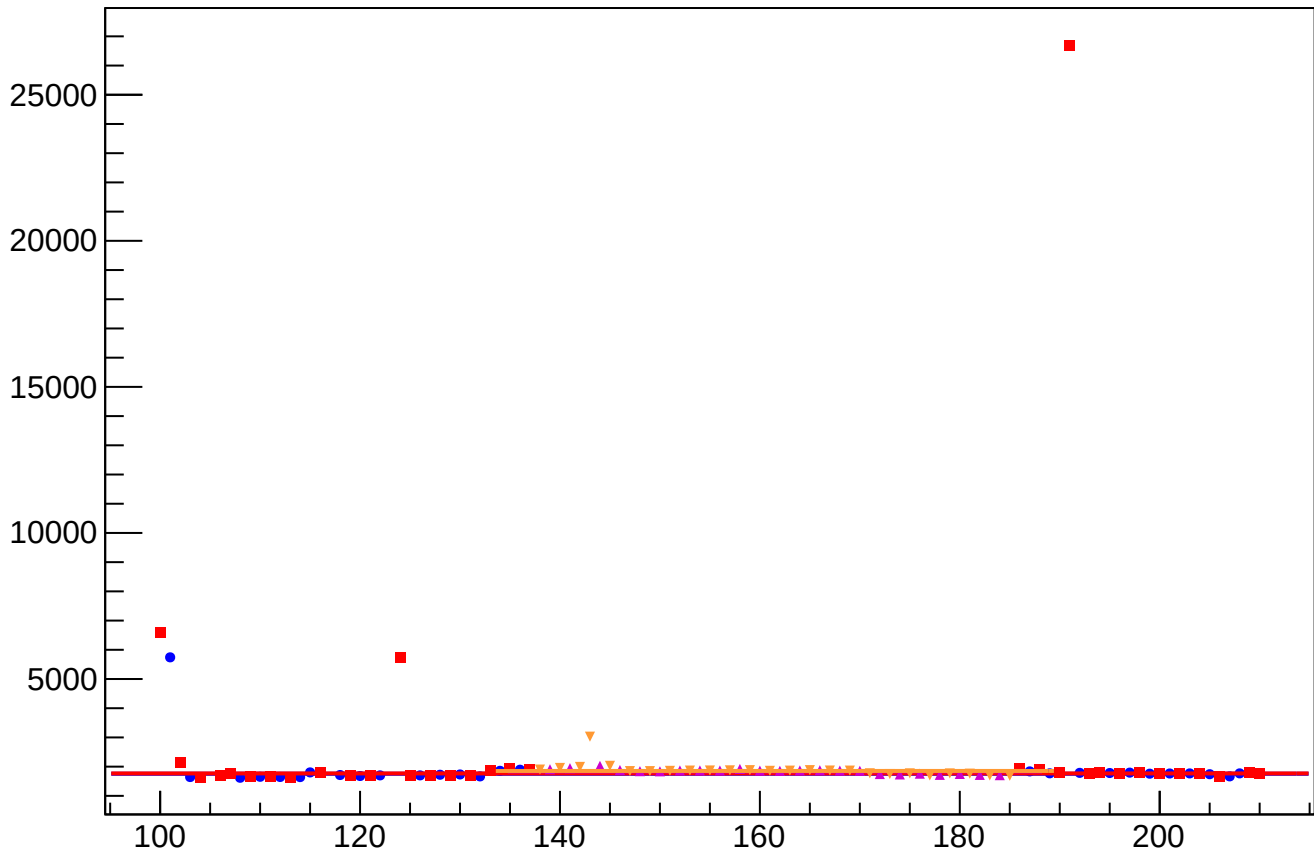
Left In: 229.236 ± 429.699 χ^2/NDF : 26.4/22

+ sign 545.699 ± 306.816 χ^2/NDF : 71.1/51

All: 307.859 ± 214.979 χ^2/NDF : 115.0/107

- sign 78.476 ± 301.312 χ^2/NDF : 42.7/55

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1755.594 $\pm$ 0.316 χ^2 /NDF: 677639.2/26

Left Out: 1852.534 $\pm$ 0.299 χ^2 /NDF: 321038.9/24

Right Out: 1767.493 $\pm$ 0.298 χ^2 /NDF: 637777.7/32

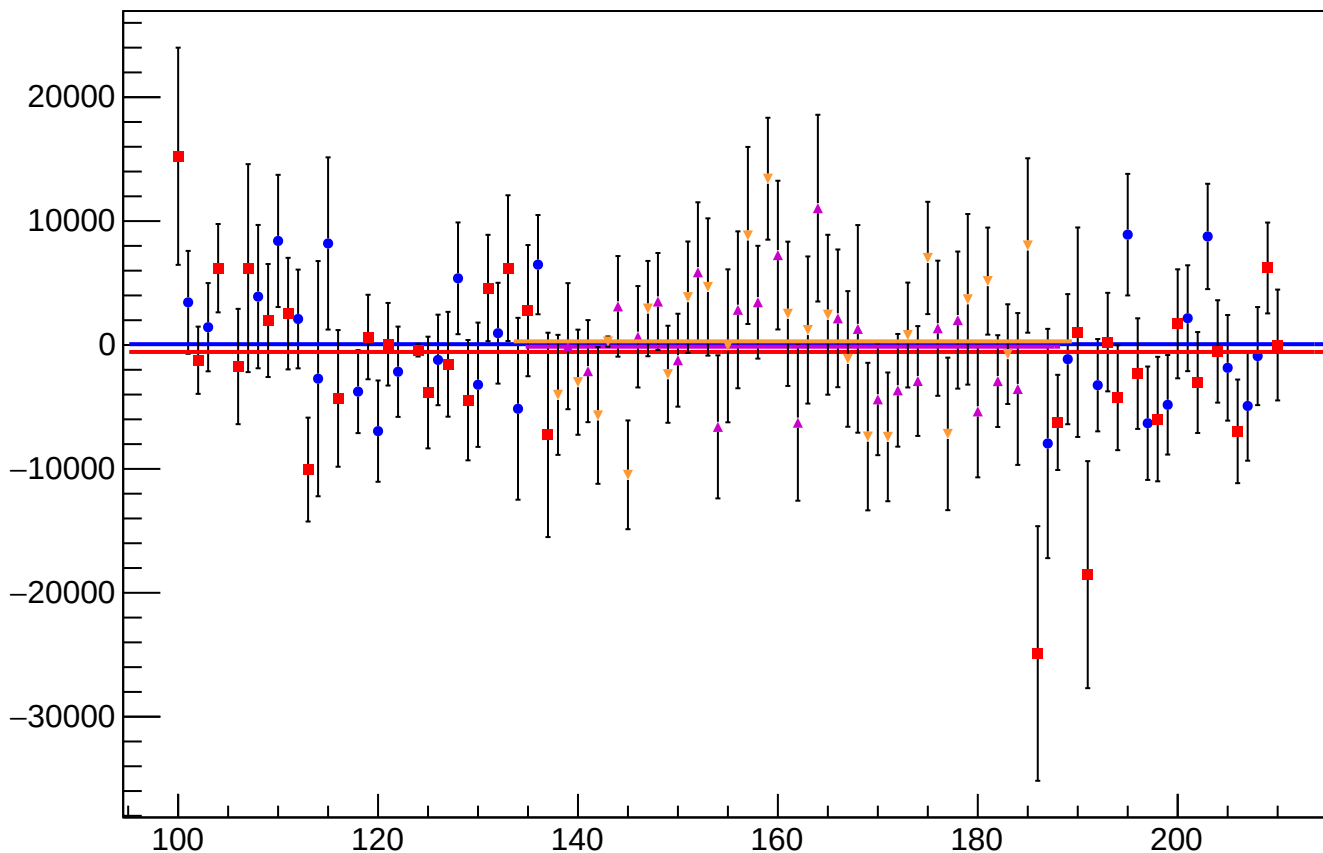
Left In: 1838.528 $\pm$ 0.304 χ^2 /NDF: 68478.0/22

+ sign 1806.696 $\pm$ 0.217 χ^2 /NDF: 1048444.4/51

All: 1804.490 $\pm$ 0.152 χ^2 /NDF: 1782727.8/10

- sign 1802.366 $\pm$ 0.213 χ^2 /NDF: 734080.5/55

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 65.724 ± 851.954 χ^2/NDF : 29.3/26

Left Out: 295.308 ± 379.951 χ^2/NDF : 30.0/24

Right Out: -560.838 ± 429.797 χ^2/NDF : 39.5/32

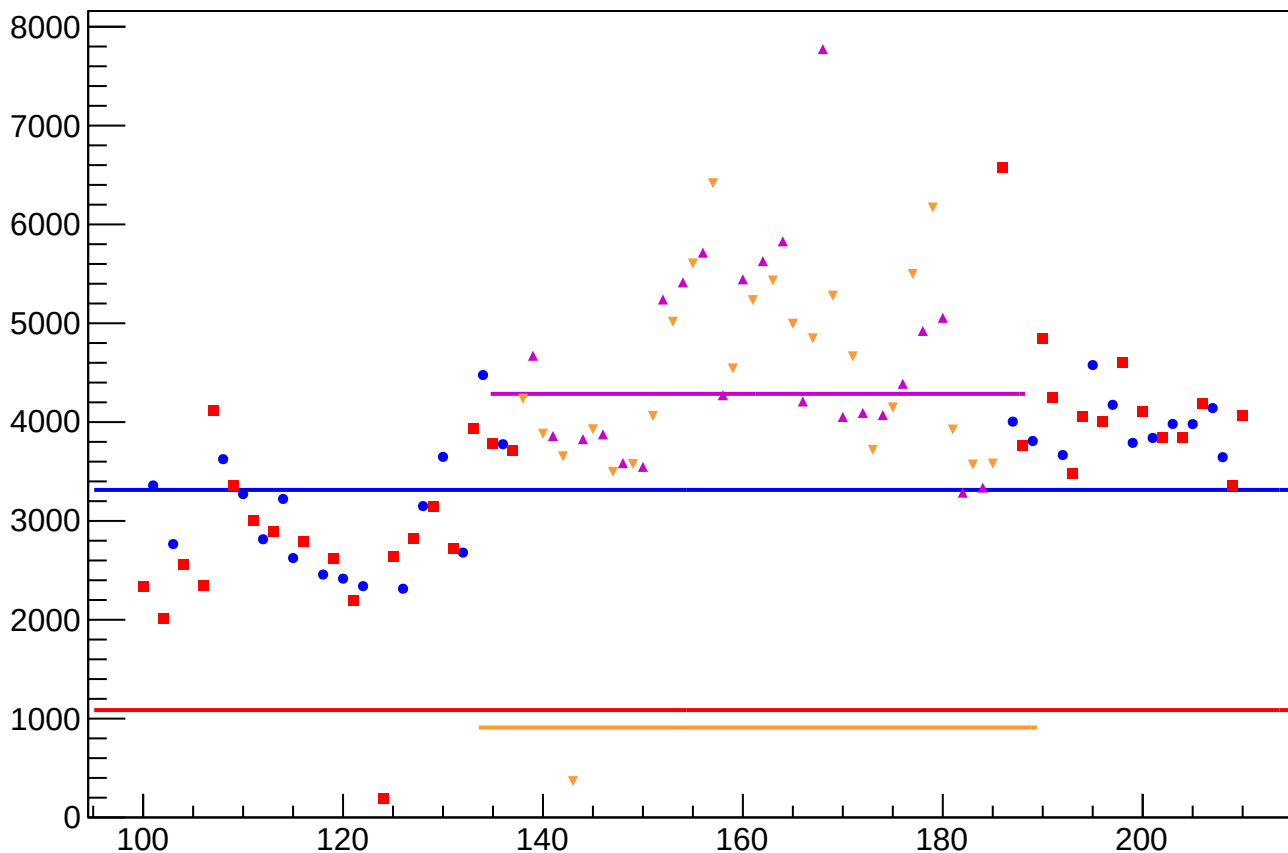
Left In: -138.272 ± 1022.940 χ^2/NDF : 13.9/22

+ sign 257.220 ± 347.006 χ^2/NDF : 59.4/51

All: -70.333 ± 261.053 χ^2/NDF : 115.0/107

- sign -497.434 ± 396.243 χ^2/NDF : 53.5/55

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3313.935+/-0.602 χ^2/NDF : 1252486.4/26

Left Out: 910.253+/-0.269 χ^2/NDF : 26772969.1/24

Right Out: 1086.476+/-0.304 χ^2/NDF : 22859828.5/32

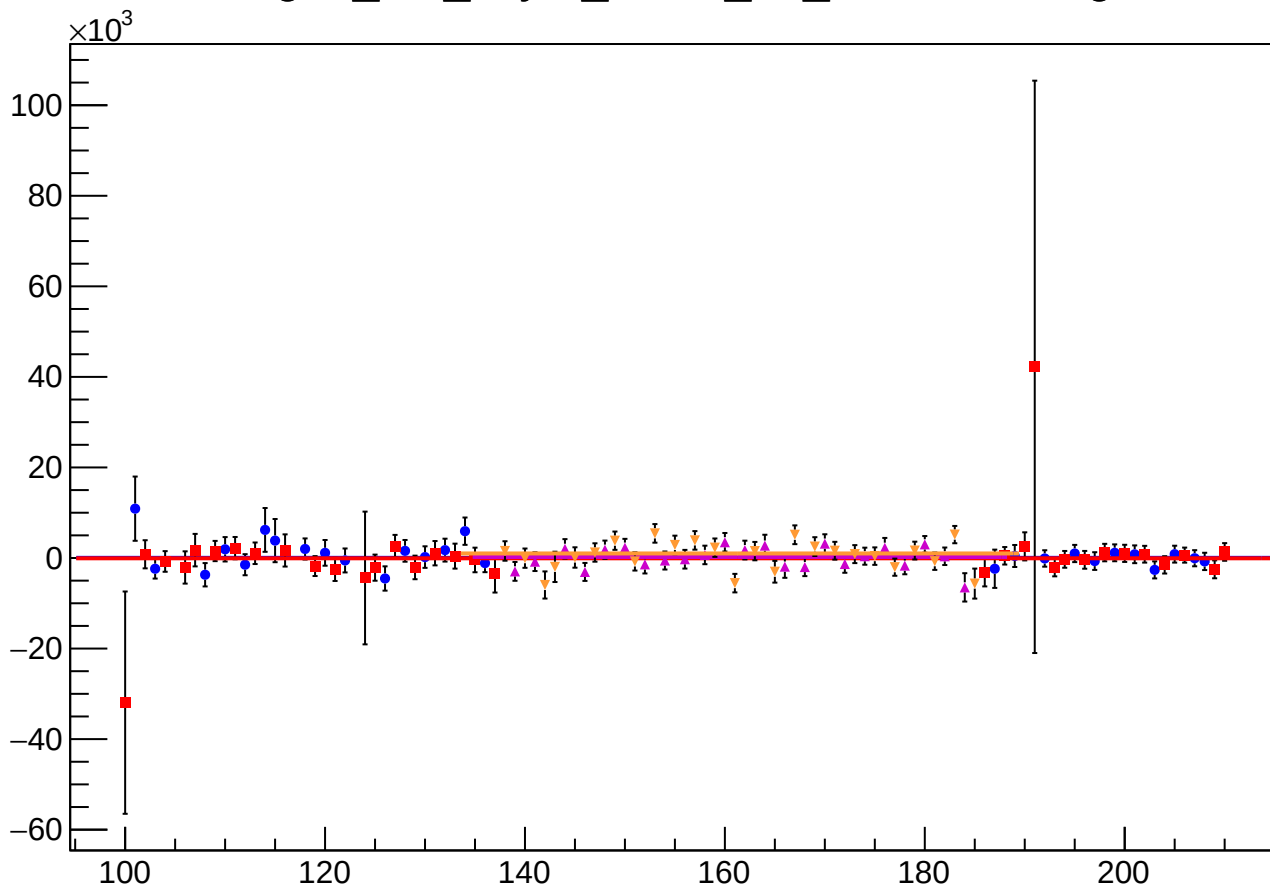
Left In: 4285.828+/-0.723 χ^2/NDF : 1327963.4/22

+ sign 1309.020+/-0.245 χ^2/NDF : 41304624.8/51

All: 1420.788+/-0.185 χ^2/NDF : 82598792.1/100

- sign 1566.523+/-0.280 χ^2/NDF : 40816139.0/55

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 34.632 $\pm$ 446.187 χ^2 /NDF: 21.3/26

Left Out: 1004.123 $\pm$ 422.582 χ^2 /NDF: 47.4/24

Right Out: -67.364 $\pm$ 422.627 χ^2 /NDF: 16.1/32

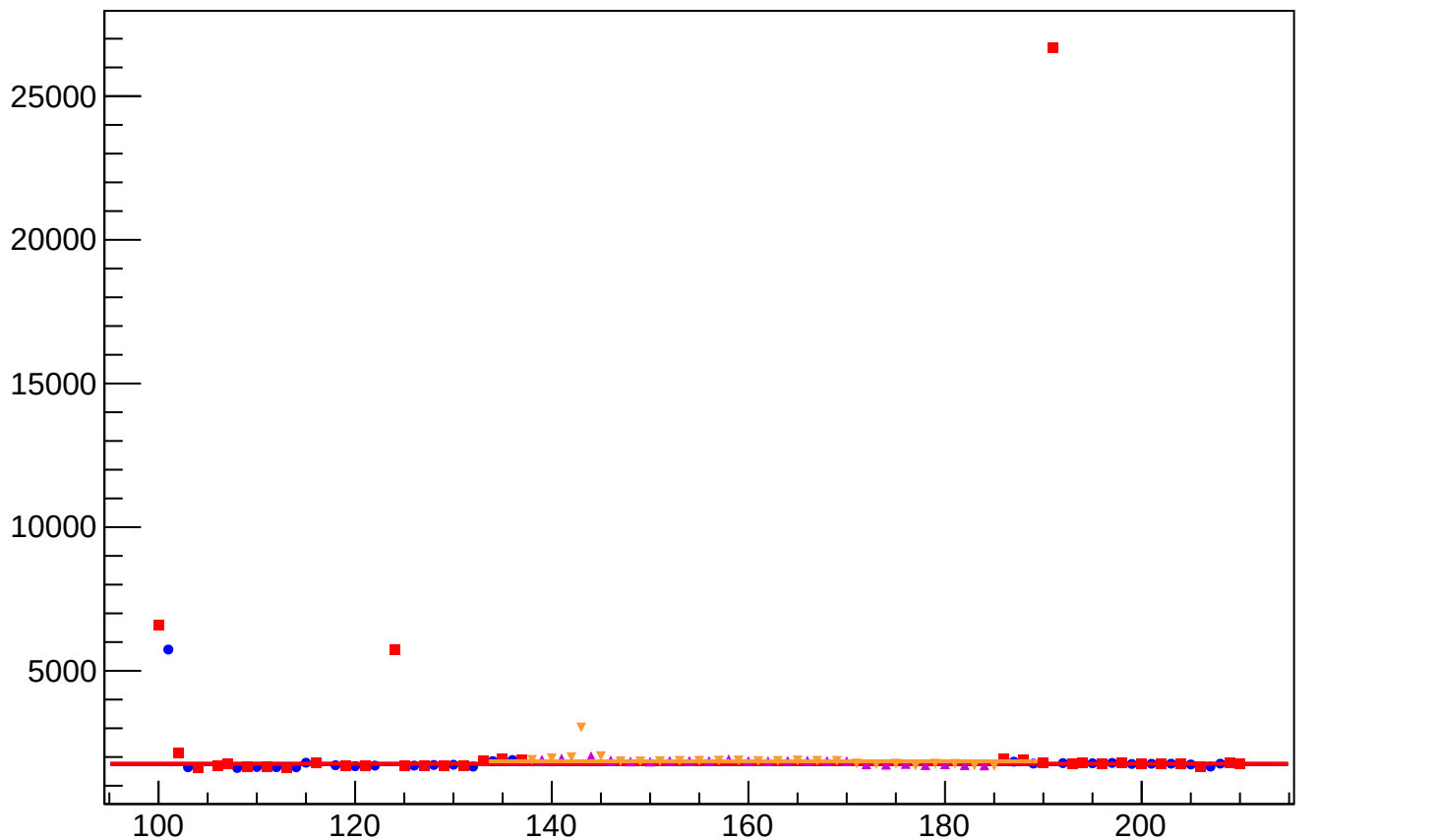
Left In: 229.236 $\pm$ 429.699 χ^2 /NDF: 26.4/22

+ sign 545.699 $\pm$ 306.816 χ^2 /NDF: 71.1/51

All: 307.859 $\pm$ 214.979 χ^2 /NDF: 115.0/107

- sign 78.476 $\pm$ 301.312 χ^2 /NDF: 42.7/55

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1755.594+/-0.316 χ^2/NDF : 677639.2/26

Left Out: 1852.534+/-0.299 χ^2/NDF : 321038.9/24

Right Out: 1767.493+/-0.298 χ^2/NDF : 637777.7/32

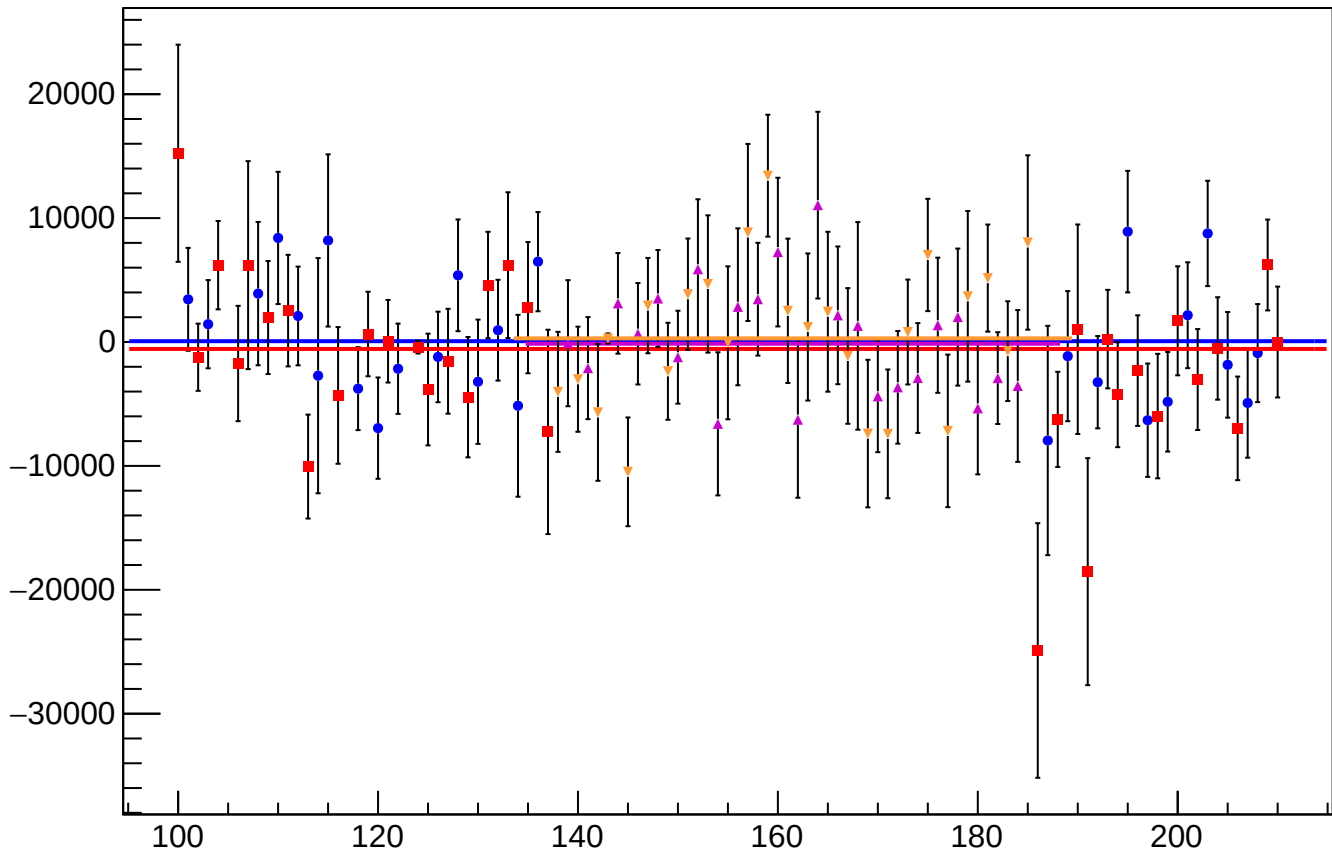
Left In: 1838.528+/-0.304 χ^2/NDF : 68478.0/22

+ sign 1806.696+/-0.217 χ^2/NDF : 1048444.4/51

All: 1804.490+/-0.152 χ^2/NDF : 1782727.8/10

- sign 1802.366+/-0.213 χ^2/NDF : 734080.5/55

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 65.724+/-851.954 χ^2/NDF : 29.3/26

Left Out: 295.308+/-379.951 χ^2/NDF :30.0/24

Right Out: -560.838+/-429.797 χ^2/NDF : 39.5/32

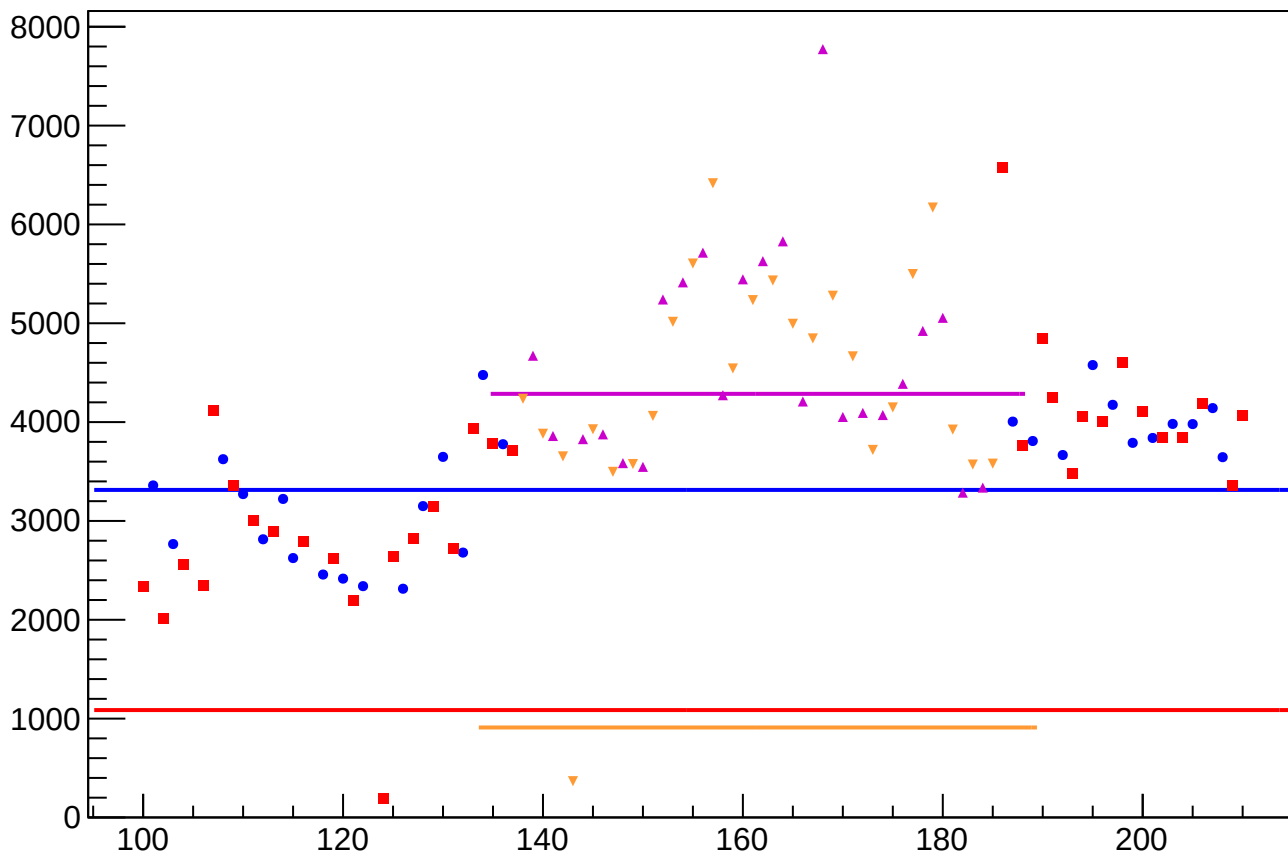
Left In: -138.272+/-1022.940 χ^2/NDF :13.9/22

+ sign 257.220+/-347.006 χ^2/NDF : 59.4/51

All: -70.333+/-261.053 χ^2/NDF : 115.0/107

- sign -497.434+/-396.243 χ^2/NDF : 53.5/55

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3313.935 $\pm$ 0.602 χ^2/NDF : 1252486.4/26

Left Out: 910.253 $\pm$ 0.269 χ^2/NDF : 26772969.1/24

Right Out: 1086.476 $\pm$ 0.304 χ^2/NDF : 22859828.5/32

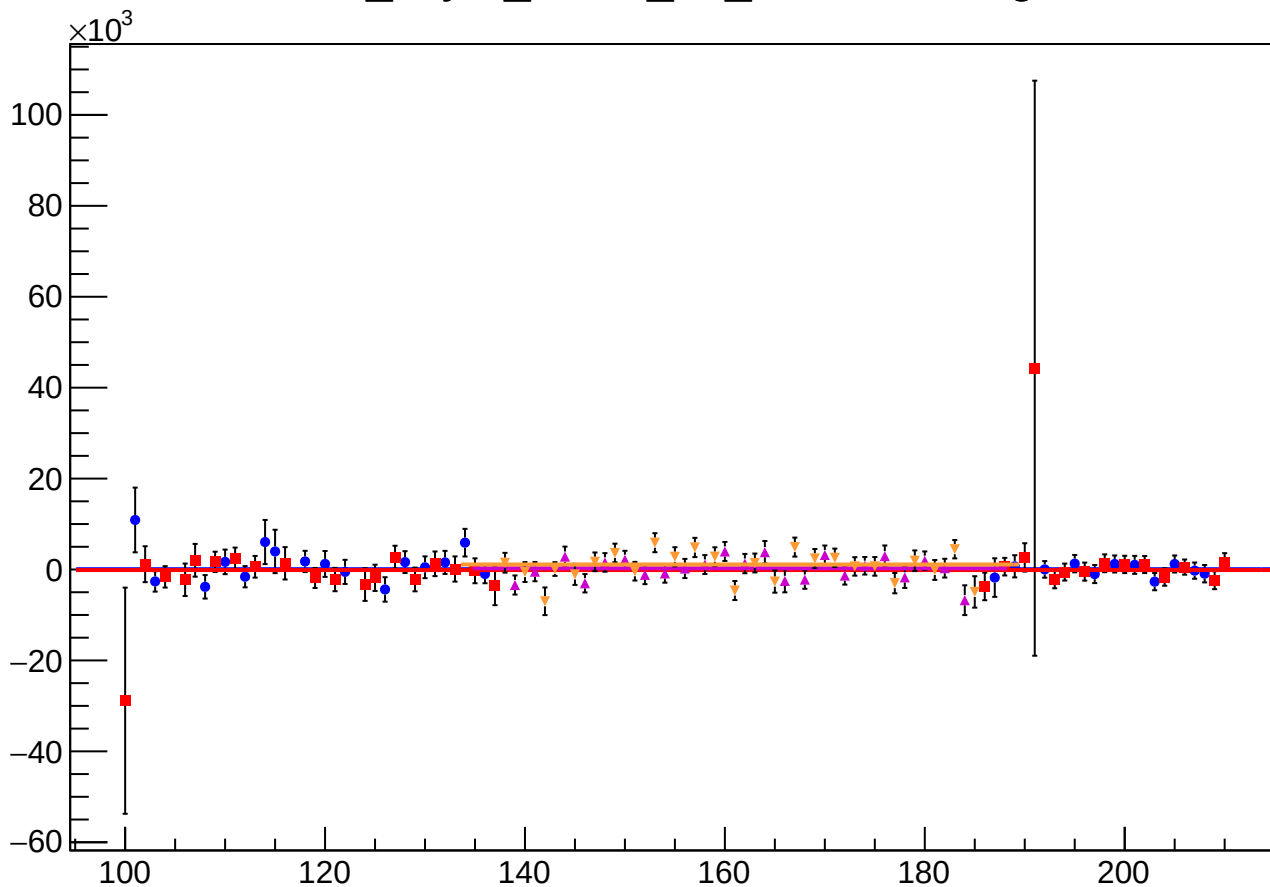
Left In: 4285.828 $\pm$ 0.723 χ^2/NDF : 1327963.4/22

+ sign 1309.020 $\pm$ 0.245 χ^2/NDF : 41304624.8/51

All: 1420.788 $\pm$ 0.185 χ^2/NDF : 82598792.1/100

- sign 1566.523 $\pm$ 0.280 χ^2/NDF : 40816139.0/55

dit_asym_atr1l2_dd_mean vs Slug



Right In: 61.135 ± 448.901 χ^2/NDF : 21.6/26

Left Out: 1103.308 ± 425.320 χ^2/NDF : 44.8/24

Right Out: -121.002 ± 423.826 χ^2/NDF : 17.9/32

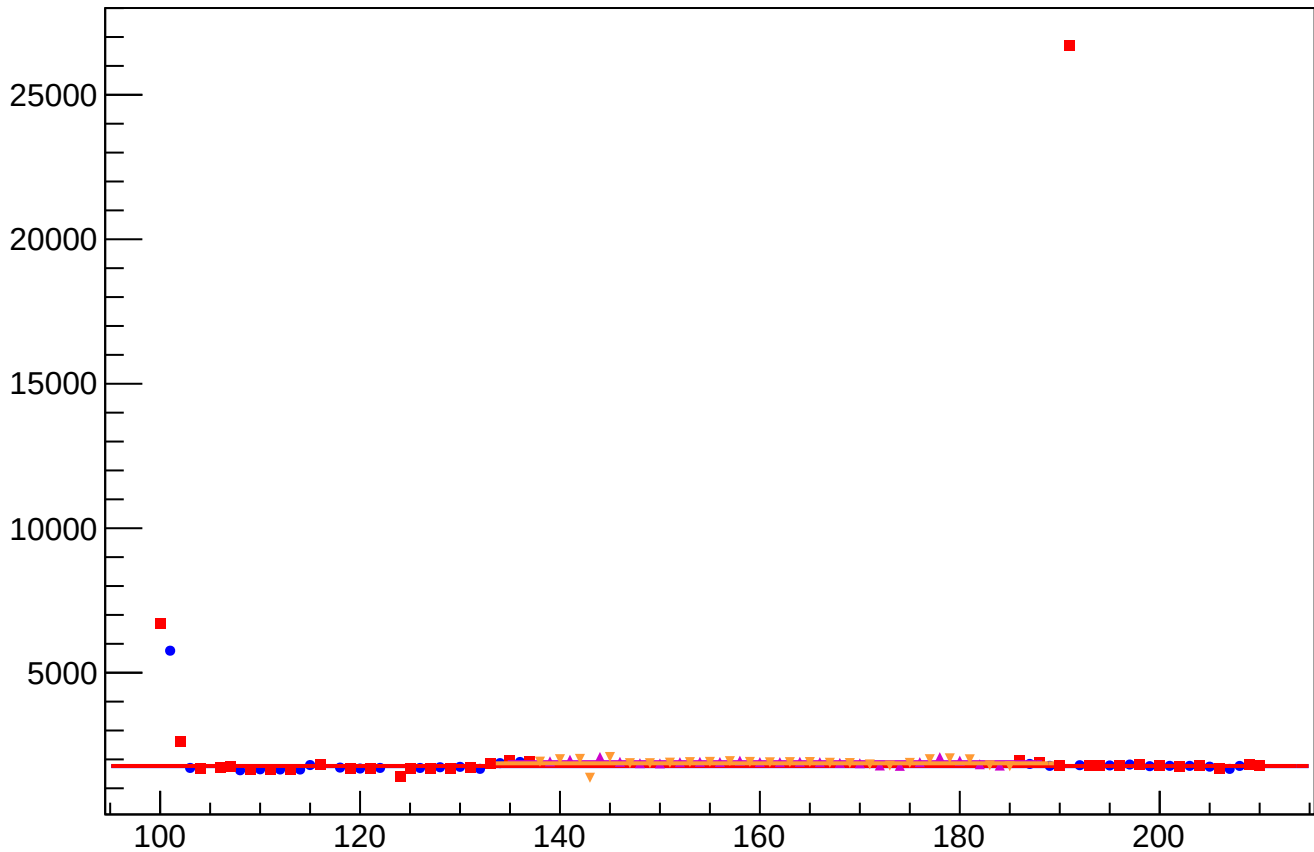
Left In: 264.609 ± 445.353 χ^2/NDF : 27.7/22

+ sign 610.312 ± 308.747 χ^2/NDF : 69.2/51

All: 334.747 ± 217.703 χ^2/NDF : 116.8/107

- sign 62.259 ± 307.019 χ^2/NDF : 46.0/55

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1766.264+/-0.317 χ^2/NDF : 676961.2/26

Left Out: 1864.841+/-0.301 χ^2/NDF : 294712.1/24

Right Out: 1772.507+/-0.299 χ^2/NDF : 569523.1/32

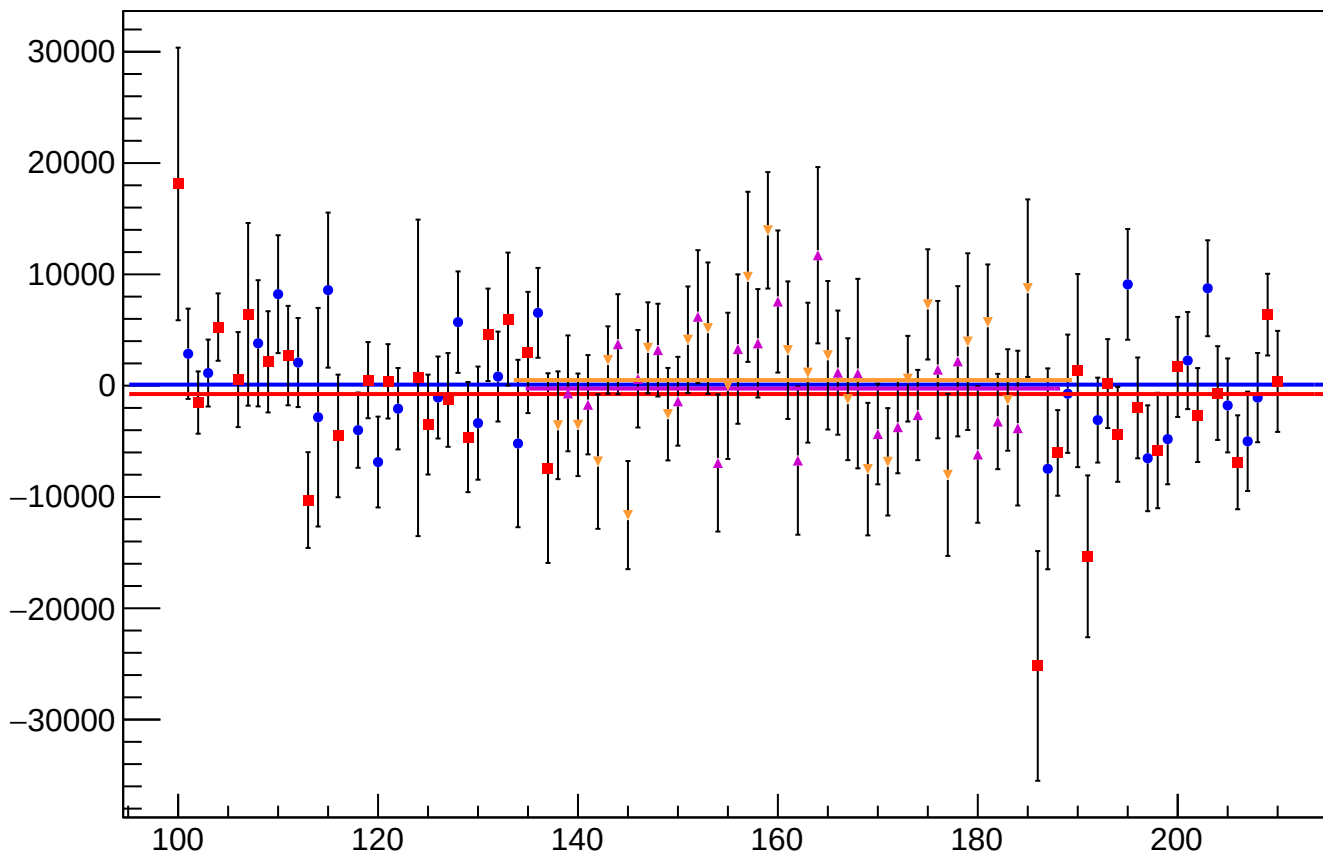
Left In: 1905.628+/-0.315 χ^2/NDF : 52781.7/22

+ sign 1818.210+/-0.218 χ^2/NDF : 1022494.9/51

All: 1827.005+/-0.154 χ^2/NDF : 1741903.8/10

- sign 1835.692+/-0.217 χ^2/NDF : 716182.5/55

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 92.234 ± 847.686 χ^2/NDF : 29.0/26

Left Out: 504.261 ± 1021.684 χ^2/NDF : 30.1/24

Right Out: -753.847 ± 787.389 χ^2/NDF : 38.7/32

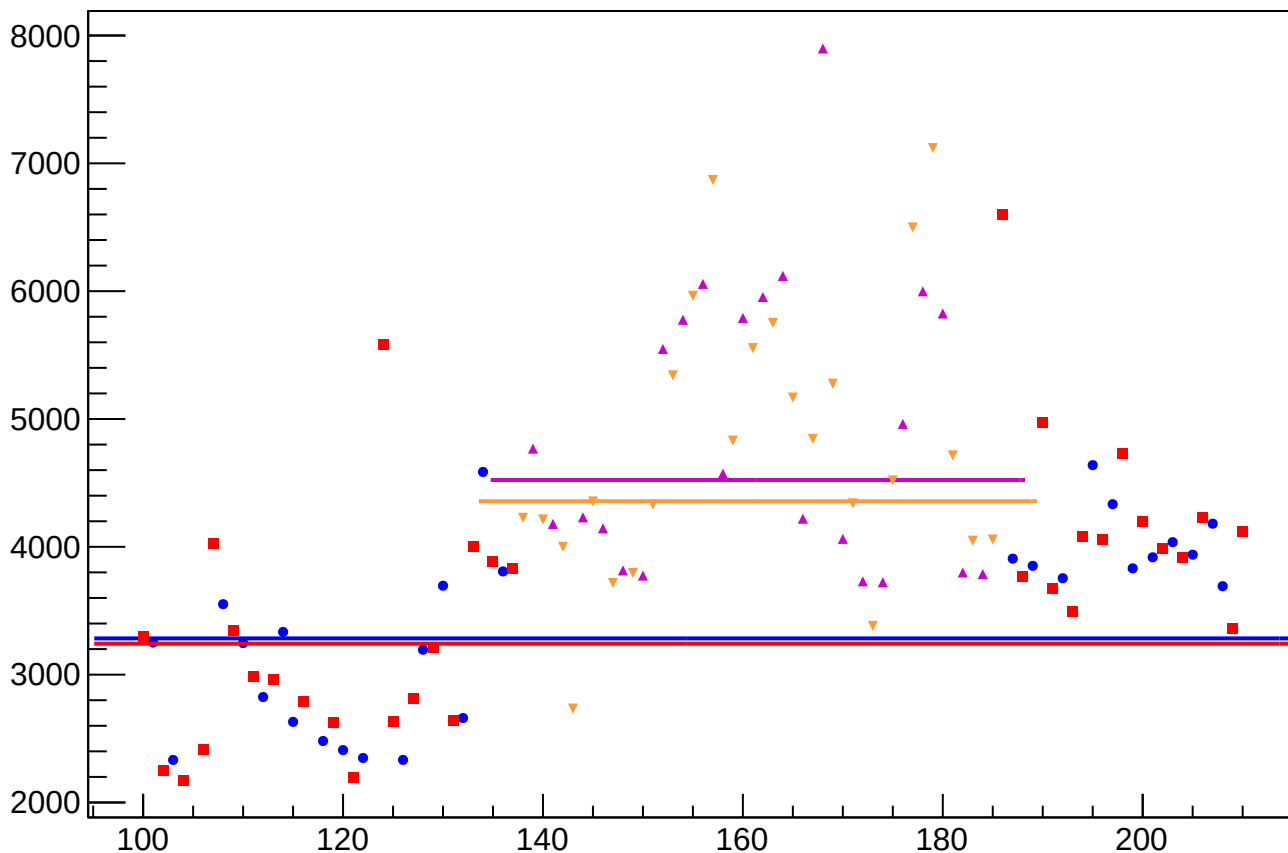
Left In: -261.050 ± 1081.402 χ^2/NDF : 13.6/22

+ sign 260.226 ± 652.376 χ^2/NDF : 59.2/51

All: -171.804 ± 455.595 χ^2/NDF : 112.5/107

- sign -583.107 ± 636.534 χ^2/NDF : 52.4/55

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3283.550 ± 0.599 χ^2/NDF : 1470612.2/26

Left Out: 4356.643 ± 0.722 χ^2/NDF : 1912322.9/24

Right Out: 3242.224 ± 0.557 χ^2/NDF : 2152750.1/32

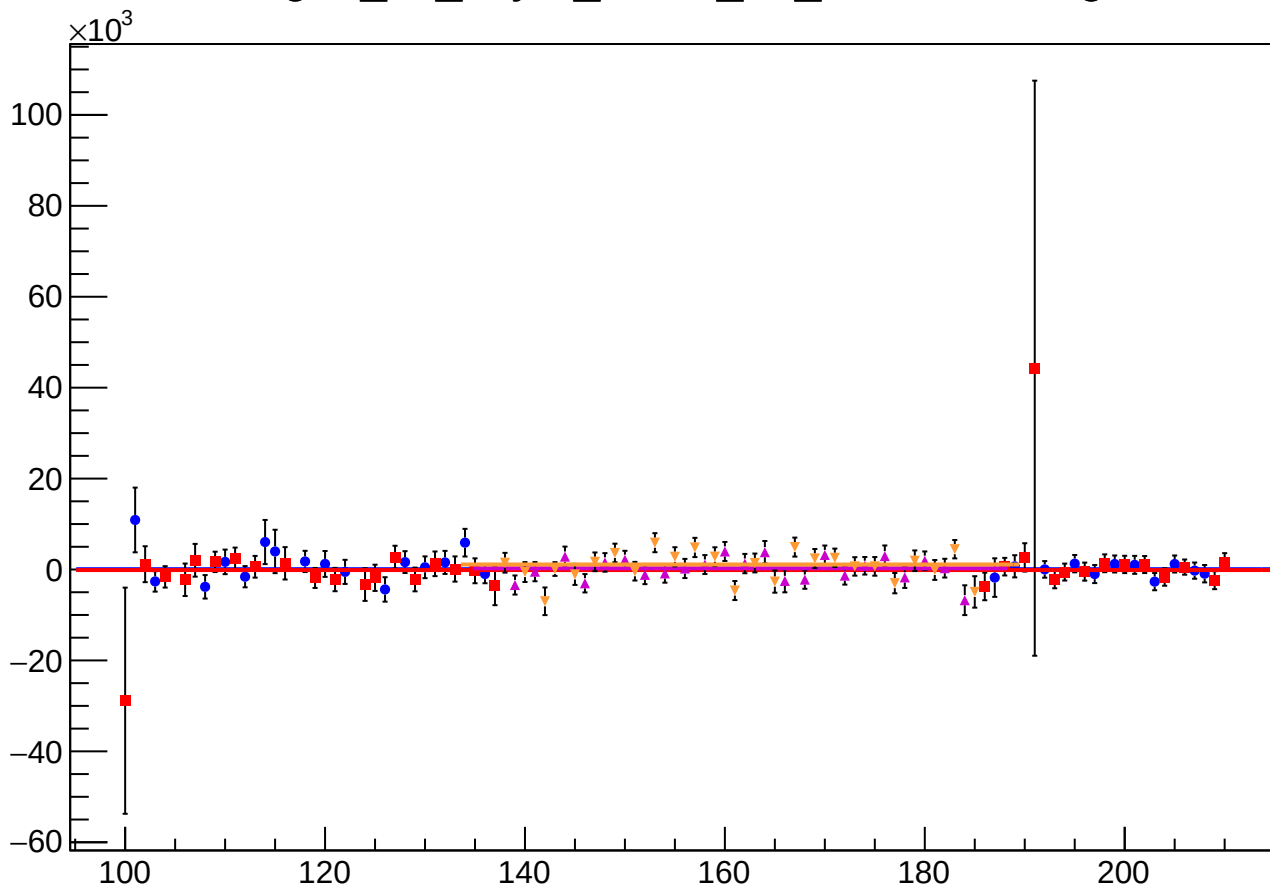
Left In: 4522.787 ± 0.765 χ^2/NDF : 1434008.9/22

+ sign 3721.072 ± 0.461 χ^2/NDF : 4689702.7/51

All: 3703.056 ± 0.322 χ^2/NDF : 10112266.2/101

- sign 3685.904 ± 0.450 χ^2/NDF : 5419585.9/55

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 61.134 ± 448.901 χ^2/NDF : 21.6/26

Left Out: 1103.310 ± 425.321 χ^2/NDF : 44.8/24

Right Out: -121.002 ± 423.826 χ^2/NDF : 17.9/32

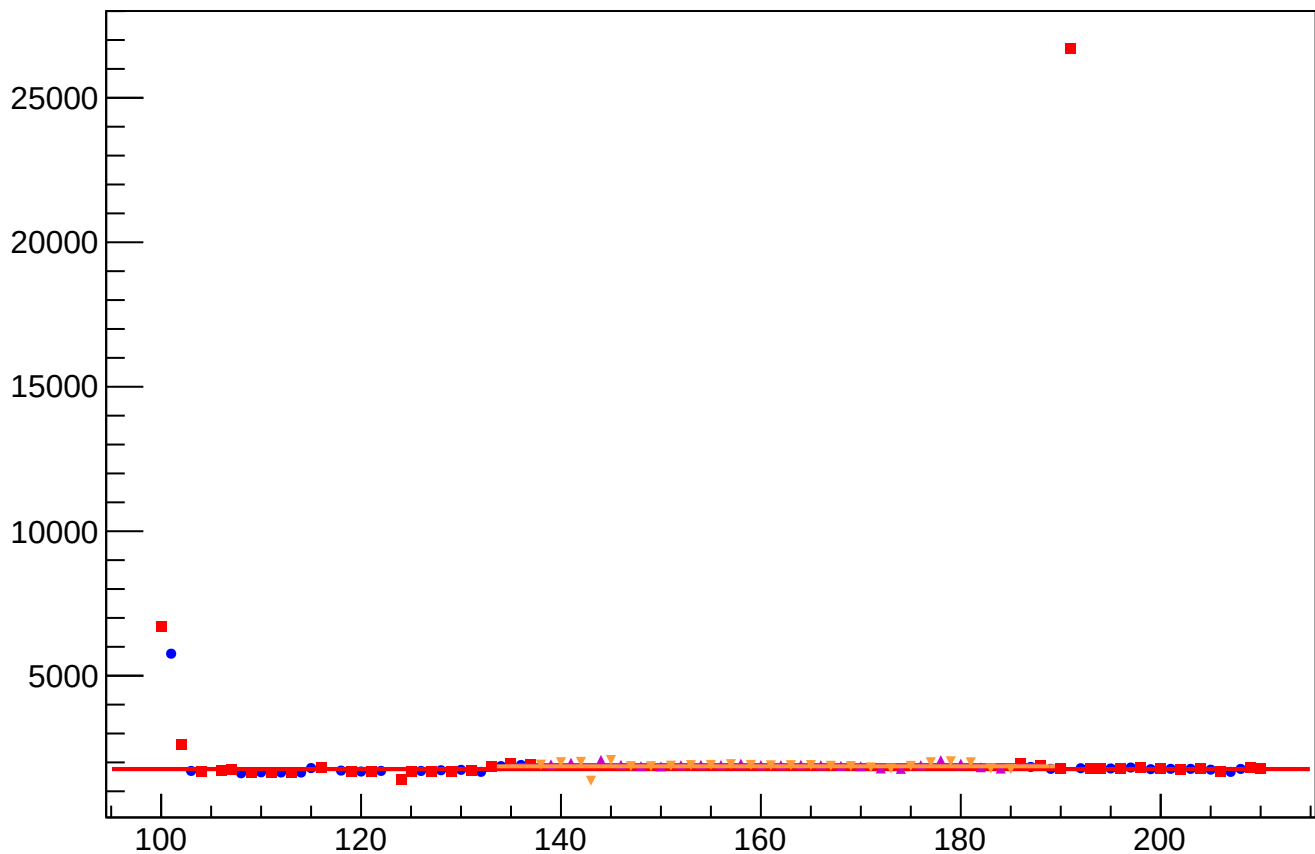
Left In: 264.609 ± 445.354 χ^2/NDF : 27.7/22

+ sign 610.312 ± 308.747 χ^2/NDF : 69.2/51

All: 334.747 ± 217.703 χ^2/NDF : 116.8/107

- sign 62.259 ± 307.019 χ^2/NDF : 46.0/55

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1766.264 $\pm$ 0.317 χ^2/NDF : 676961.2/26

Left Out: 1864.842 $\pm$ 0.301 χ^2/NDF : 294715.4/24

Right Out: 1772.508 $\pm$ 0.299 χ^2/NDF : 569523.1/32

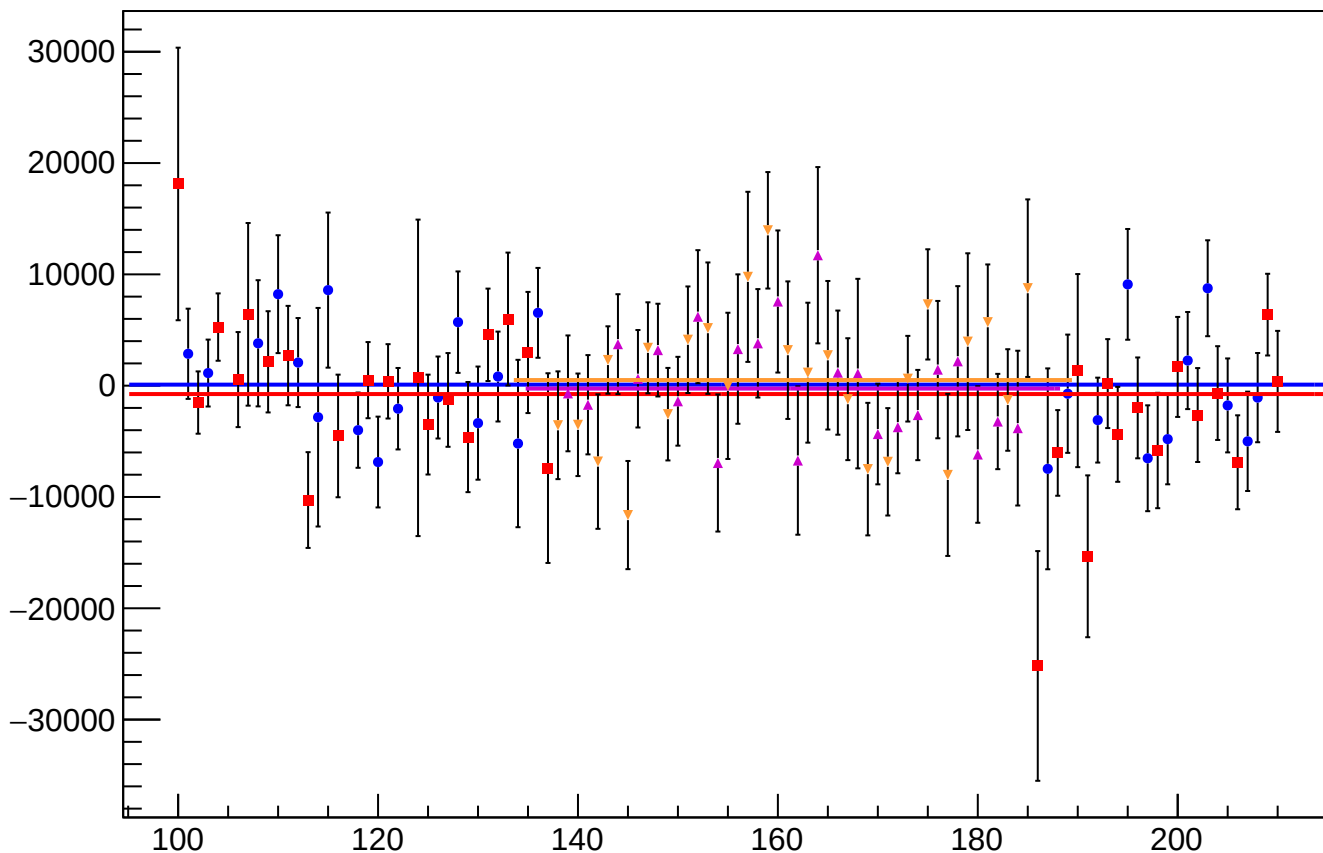
Left In: 1905.629 $\pm$ 0.315 χ^2/NDF : 52783.9/22

+ sign 1818.210 $\pm$ 0.218 χ^2/NDF : 1022499.2/51

All: 1827.006 $\pm$ 0.154 χ^2/NDF : 1741911.6/10

- sign 1835.692 $\pm$ 0.217 χ^2/NDF : 716186.1/55

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 92.232 ± 847.685 χ^2/NDF : 29.0/26

Left Out: 504.265 ± 1021.686 χ^2/NDF : 30.1/24

Right Out: -753.843 ± 787.389 χ^2/NDF : 38.7/32

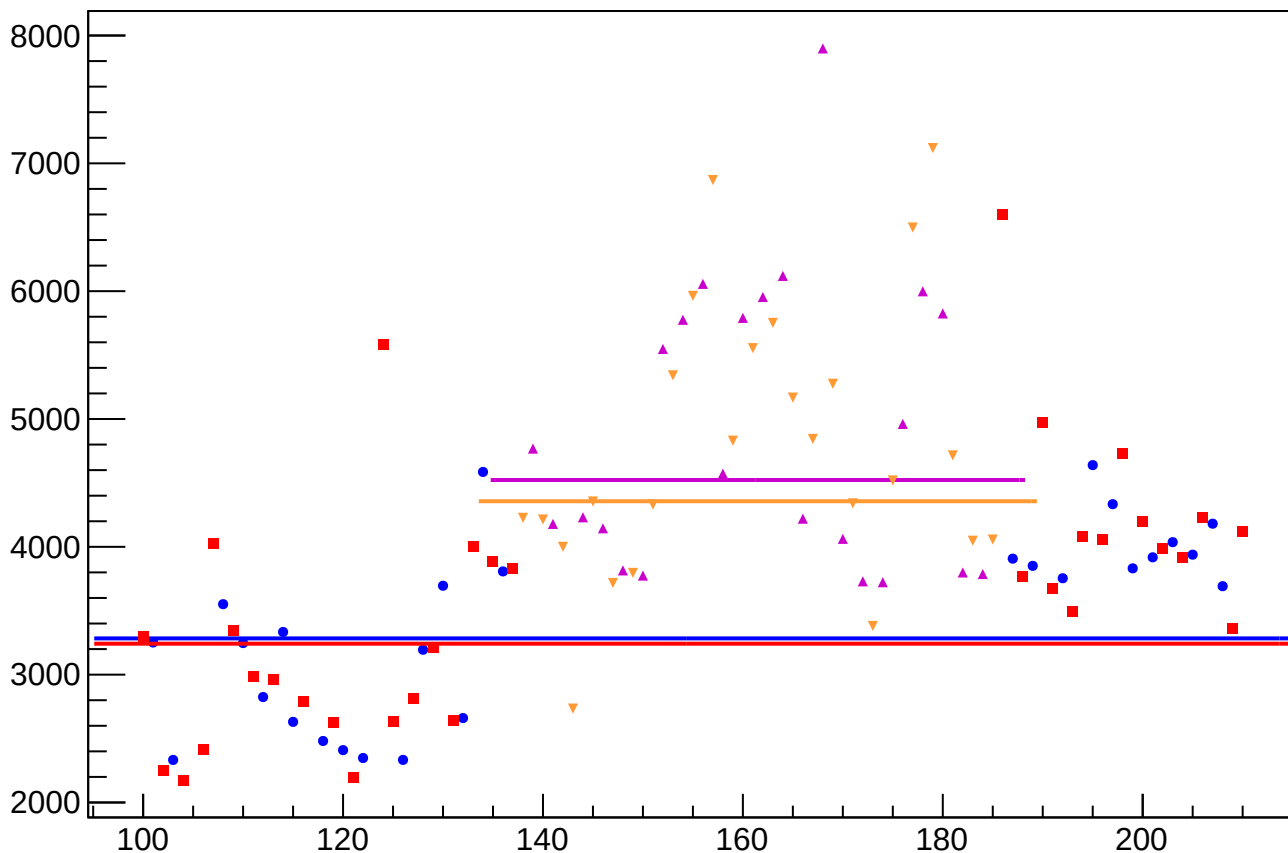
Left In: -261.051 ± 1081.404 χ^2/NDF : 13.6/22

+ sign 260.226 ± 652.376 χ^2/NDF : 59.2/51

All: -171.803 ± 455.595 χ^2/NDF : 112.5/107

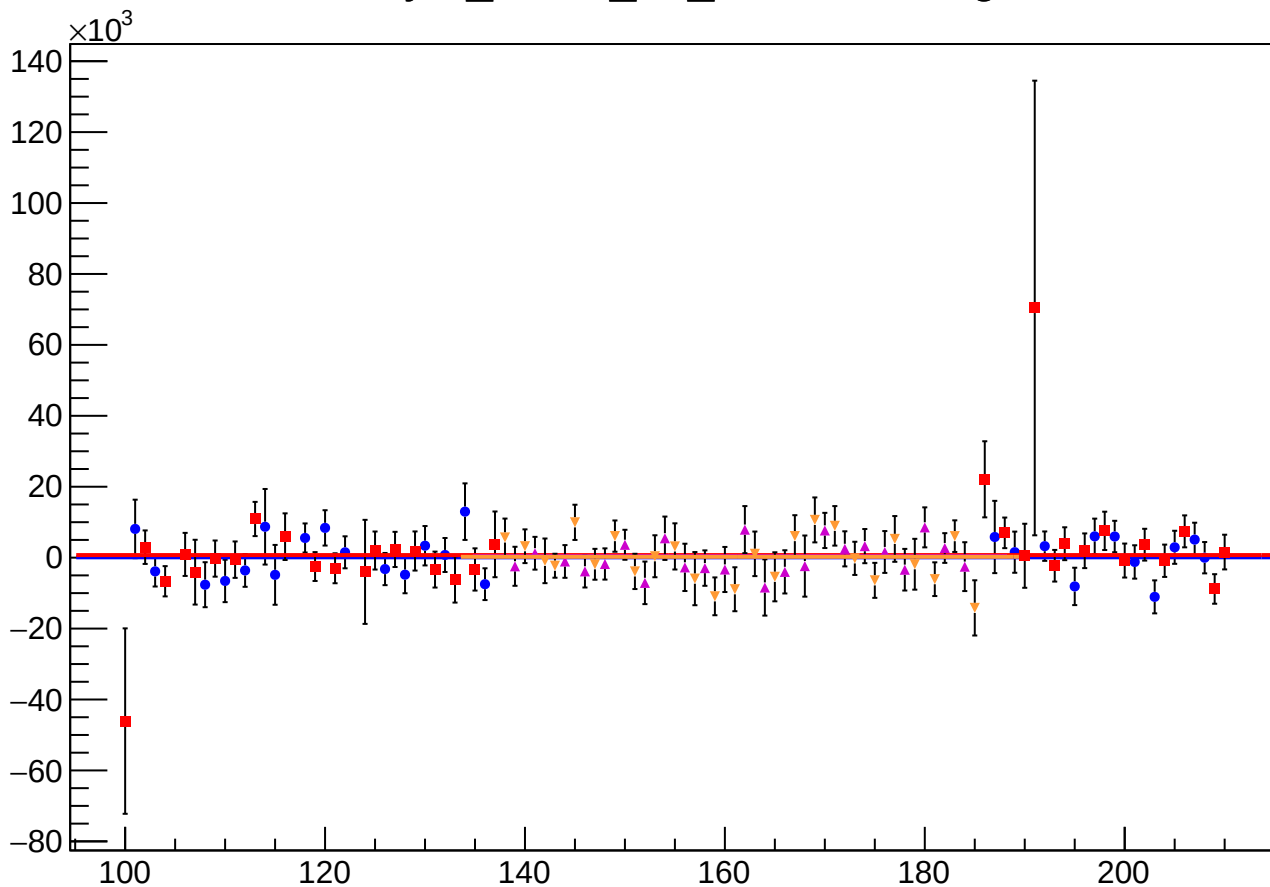
- sign -583.105 ± 636.534 χ^2/NDF : 52.4/55

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3283.546+/-0.599	χ^2/NDF : 1470640.4/26	+ sign 3721.071+/-0.461	χ^2/NDF : 4689761.1/51
Left Out: 4356.650+/-0.722	χ^2/NDF : 1912327.4/24	All: 3703.055+/-0.322	χ^2/NDF : 10112371.6/101
Right Out: 3242.221+/-0.557	χ^2/NDF : 2152768.5/32	- sign 3685.903+/-0.450	χ^2/NDF : 5419633.1/55
Left In: 4522.795+/-0.765	χ^2/NDF : 1434009.9/22		

asym_atr1l2_dd_mean vs Slug



Right In: 93.334+/-987.812 χ^2/NDF : 31.9/26

Left Out: 239.929+/-1064.647 χ^2/NDF : 32.2/24

Right Out: 726.325+/-931.595 χ^2/NDF : 33.9/32

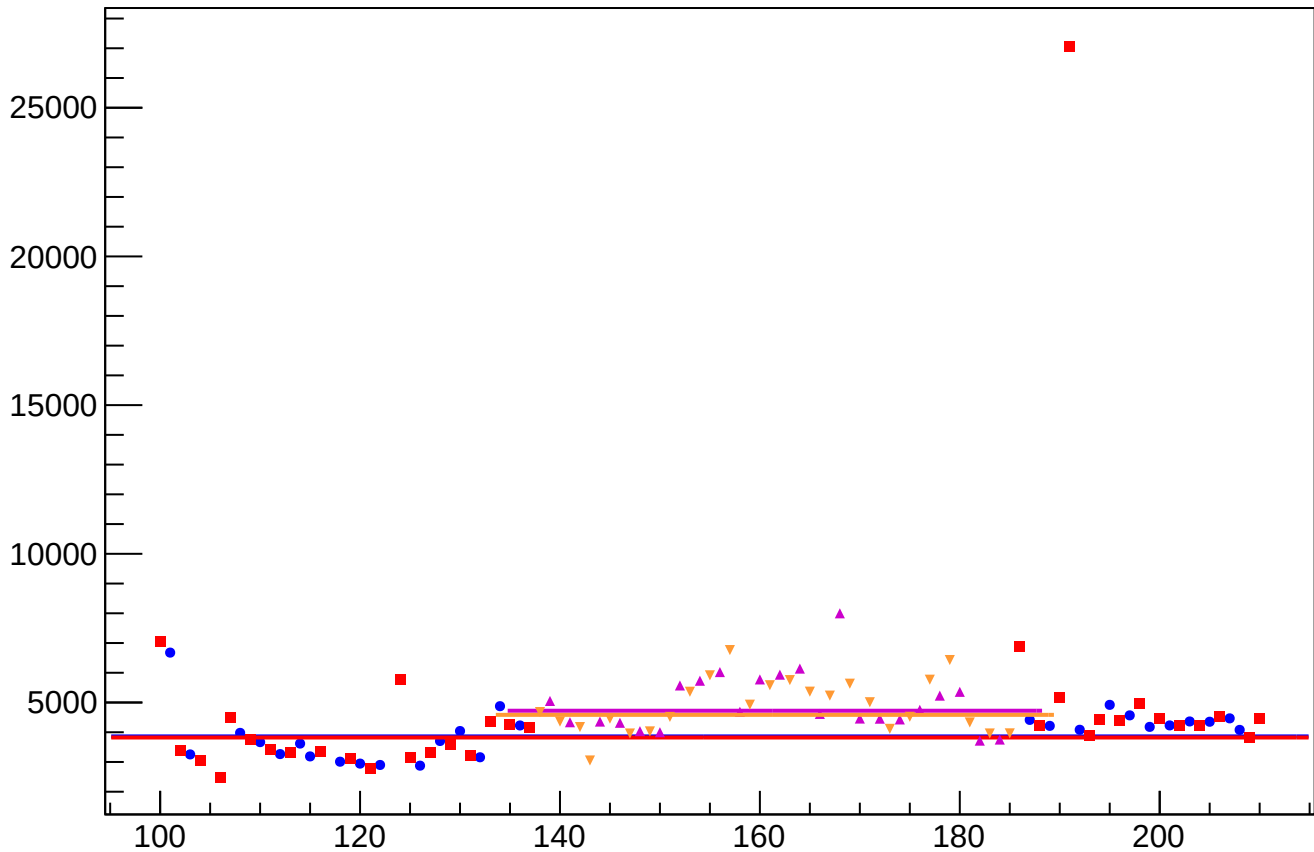
Left In: 397.881+/-1121.323 χ^2/NDF : 14.2/22

+ sign 161.151+/-724.130 χ^2/NDF : 64.1/51

All: 378.940+/-509.341 χ^2/NDF : 112.4/107

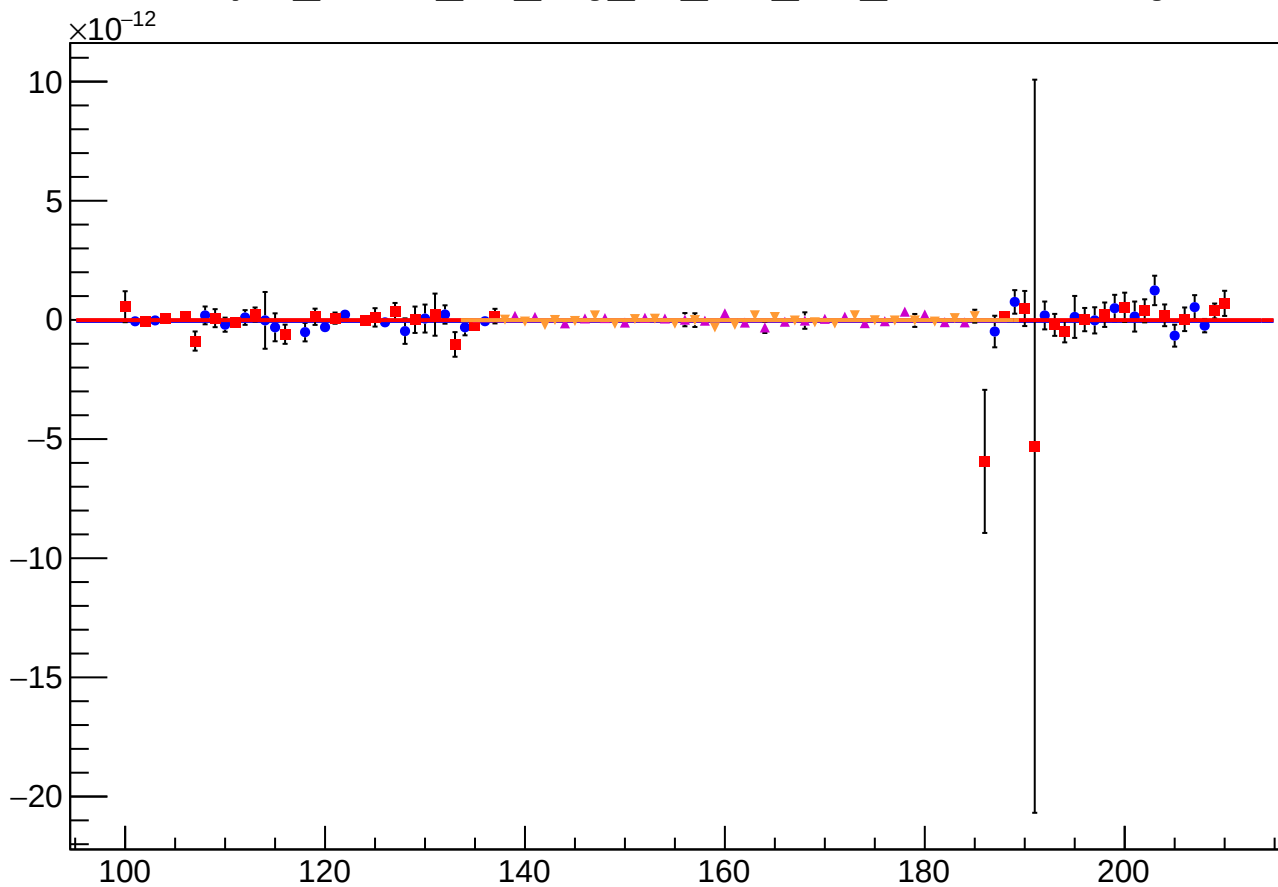
- sign 592.201+/-716.563 χ^2/NDF : 48.2/55

asym_atr1l2_dd_rms vs Slug



Right In: 3860.002+/-0.698	χ^2/NDF : 1000584.2/26	+ sign 4195.242+/-0.512	χ^2/NDF : 2810241.5/51
Left Out: 4584.664+/-0.753	χ^2/NDF : 1311720.7/24	All: 4191.171+/-0.359	χ^2/NDF : 6043934.3/10
Right Out: 3822.931+/-0.654	χ^2/NDF : 1449858.3/32	- sign 4187.219+/-0.504	χ^2/NDF : 3233568.2/55
Left In: 4723.014+/-0.793	χ^2/NDF : 1016613.0/22		

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 20.8/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 30.1/32

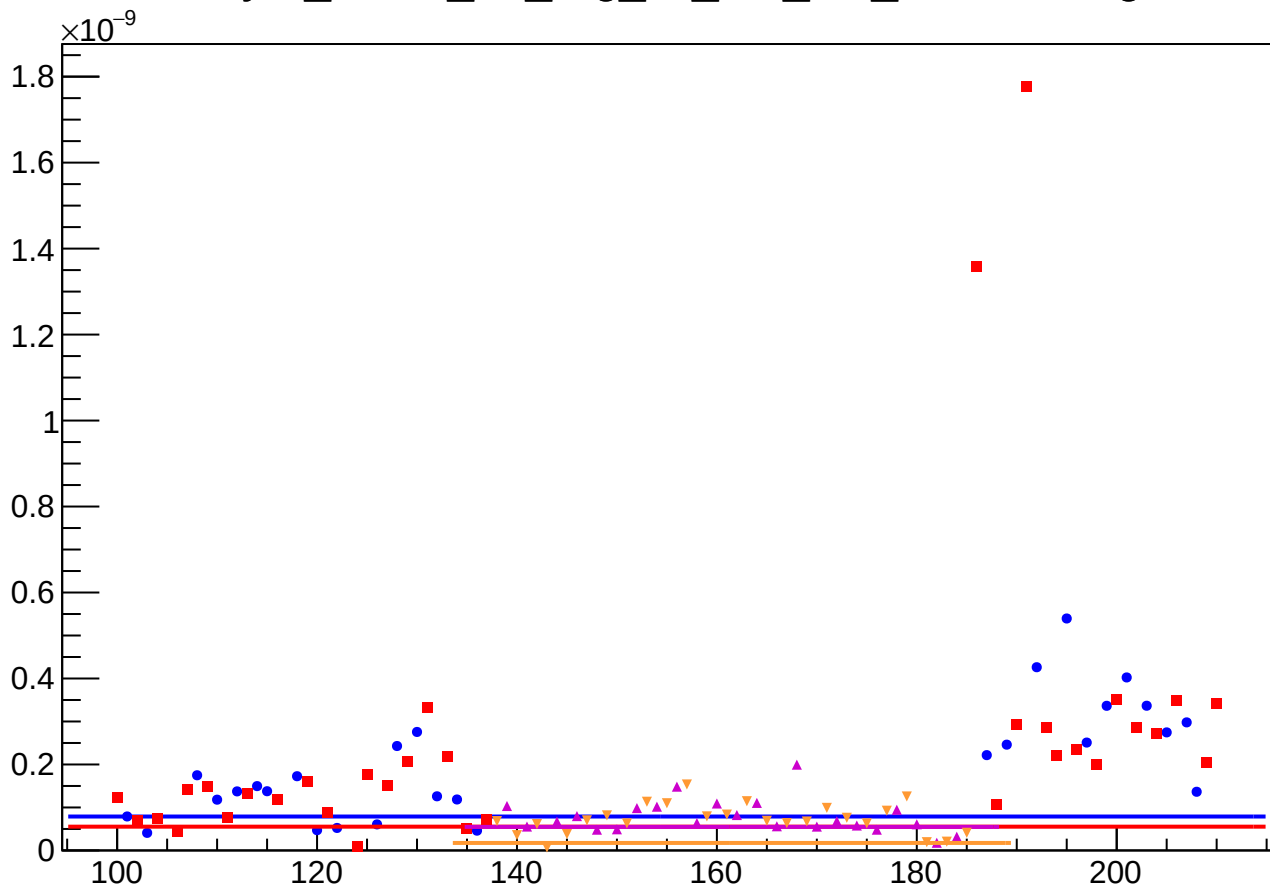
Left In: -0.000 ± 0.000 χ^2/NDF : 26.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 44.1/51

All: -0.000 ± 0.000 χ^2/NDF : 100.3/107

- sign -0.000 ± 0.000 χ^2/NDF : 56.1/55

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5575554.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8870606.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8559926.3/32

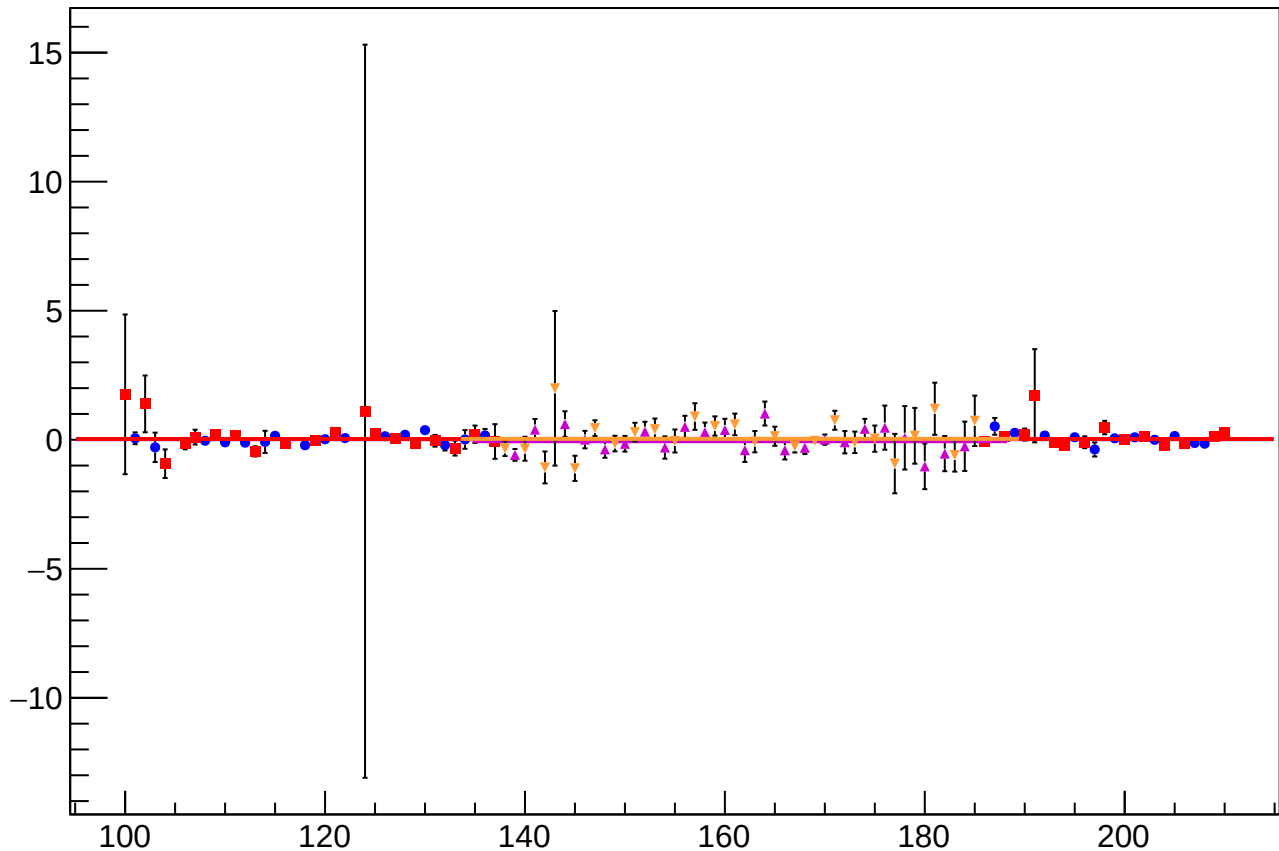
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2798764.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18322617.1/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 34129388.3/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11359043.9/55

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 ± 0.034 χ^2/NDF : 24.0/26

Left Out: 0.034 ± 0.078 χ^2/NDF : 30.5/24

Right Out: 0.030 ± 0.030 χ^2/NDF : 40.8/32

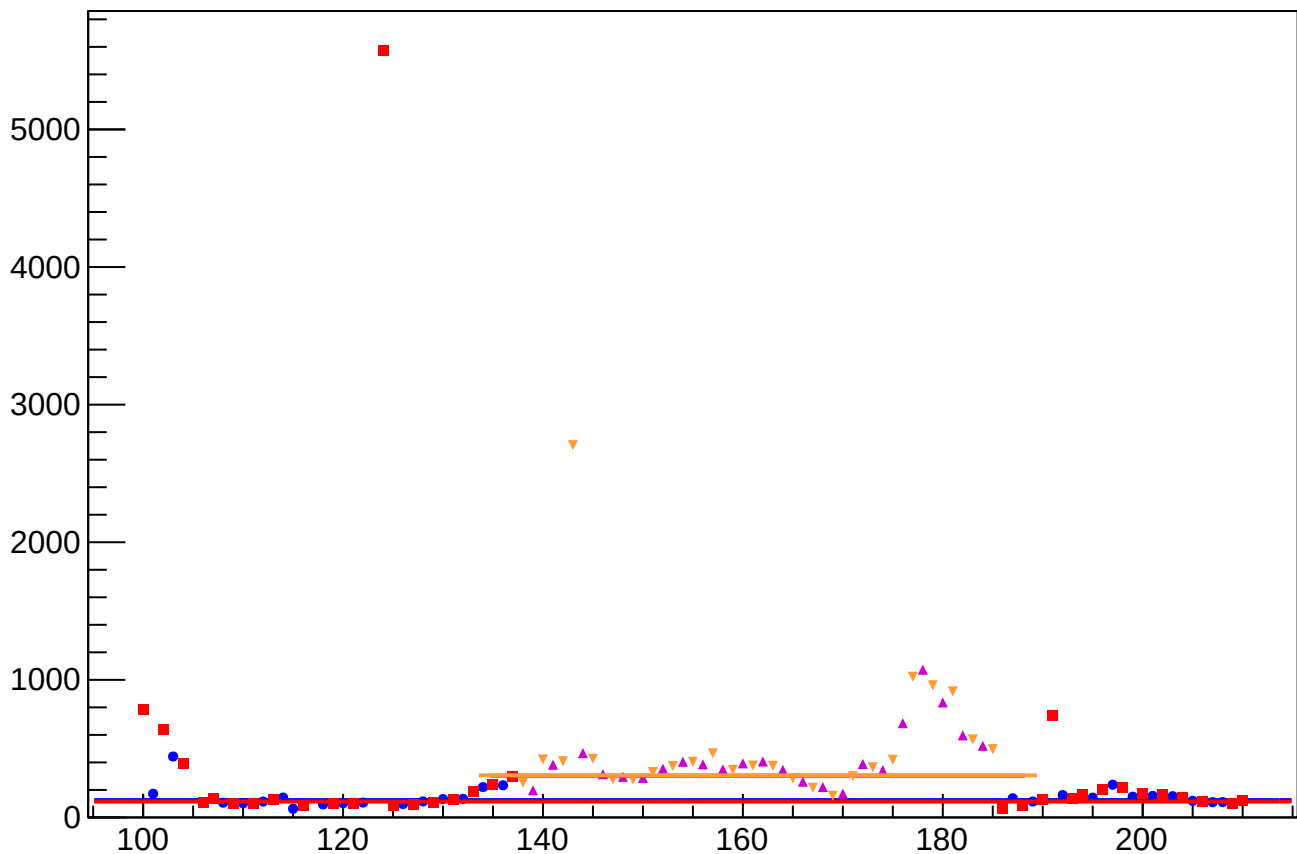
Left In: -0.056 ± 0.077 χ^2/NDF : 26.1/22

+ sign 0.025 ± 0.031 χ^2/NDF : 54.5/51

All: 0.021 ± 0.021 χ^2/NDF : 122.4/107

- sign 0.018 ± 0.028 χ^2/NDF : 67.9/55

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 126.260 $\pm$ 0.024 χ^2 /NDF: 2469153.4/26

Left Out: 305.950 $\pm$ 0.055 χ^2 /NDF: 6634928.0/24

Right Out: 115.737 $\pm$ 0.022 χ^2 /NDF: 4409547.9/32

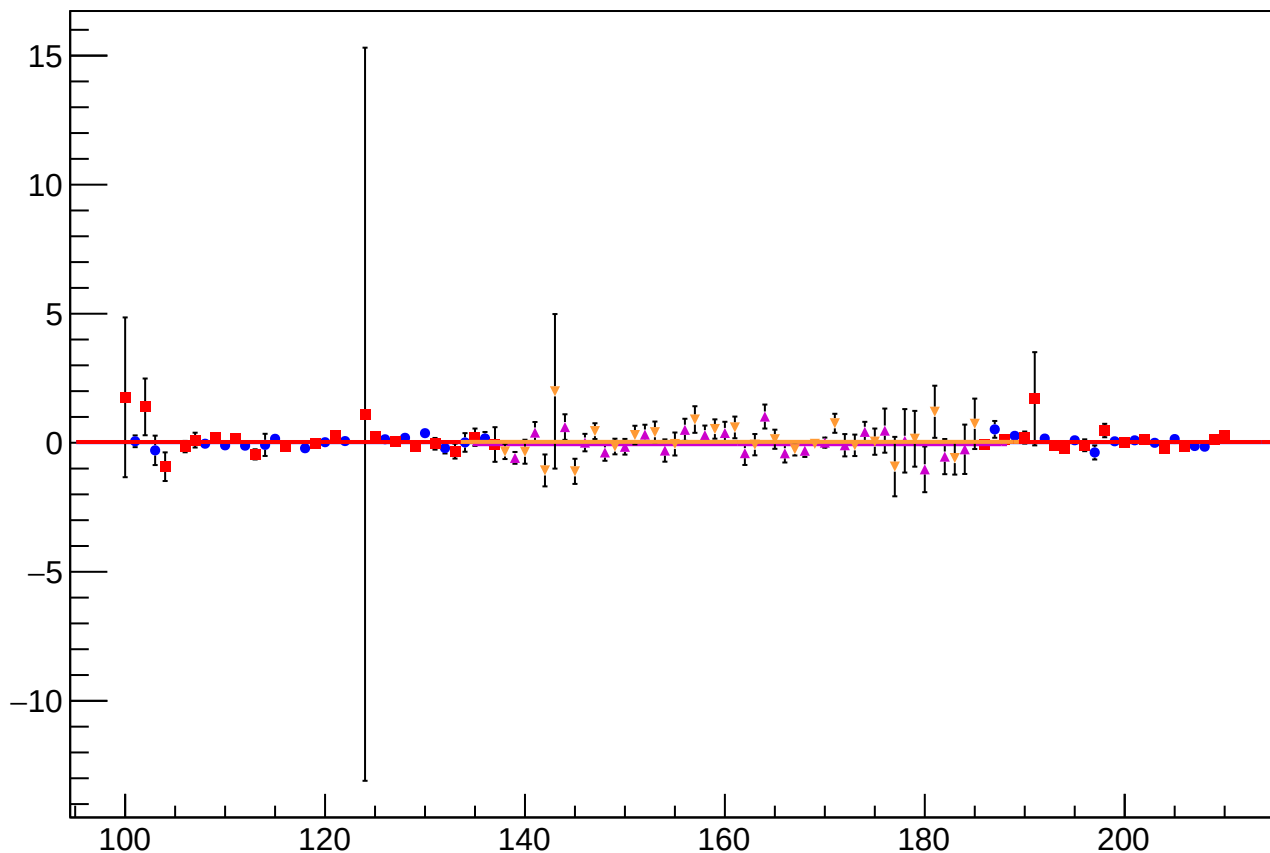
Left In: 303.278 $\pm$ 0.055 χ^2 /NDF: 4813442.3/22

+ sign 155.054 $\pm$ 0.022 χ^2 /NDF: 18031901.9/51

All: 147.315 $\pm$ 0.015 χ^2 /NDF: 37668763.2/10

- sign 140.932 $\pm$ 0.020 χ^2 /NDF: 19412288.7/55

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 ± 0.034 χ^2/NDF : 24.0/26

Left Out: 0.034 ± 0.078 χ^2/NDF : 30.5/24

Right Out: 0.030 ± 0.030 χ^2/NDF : 40.8/32

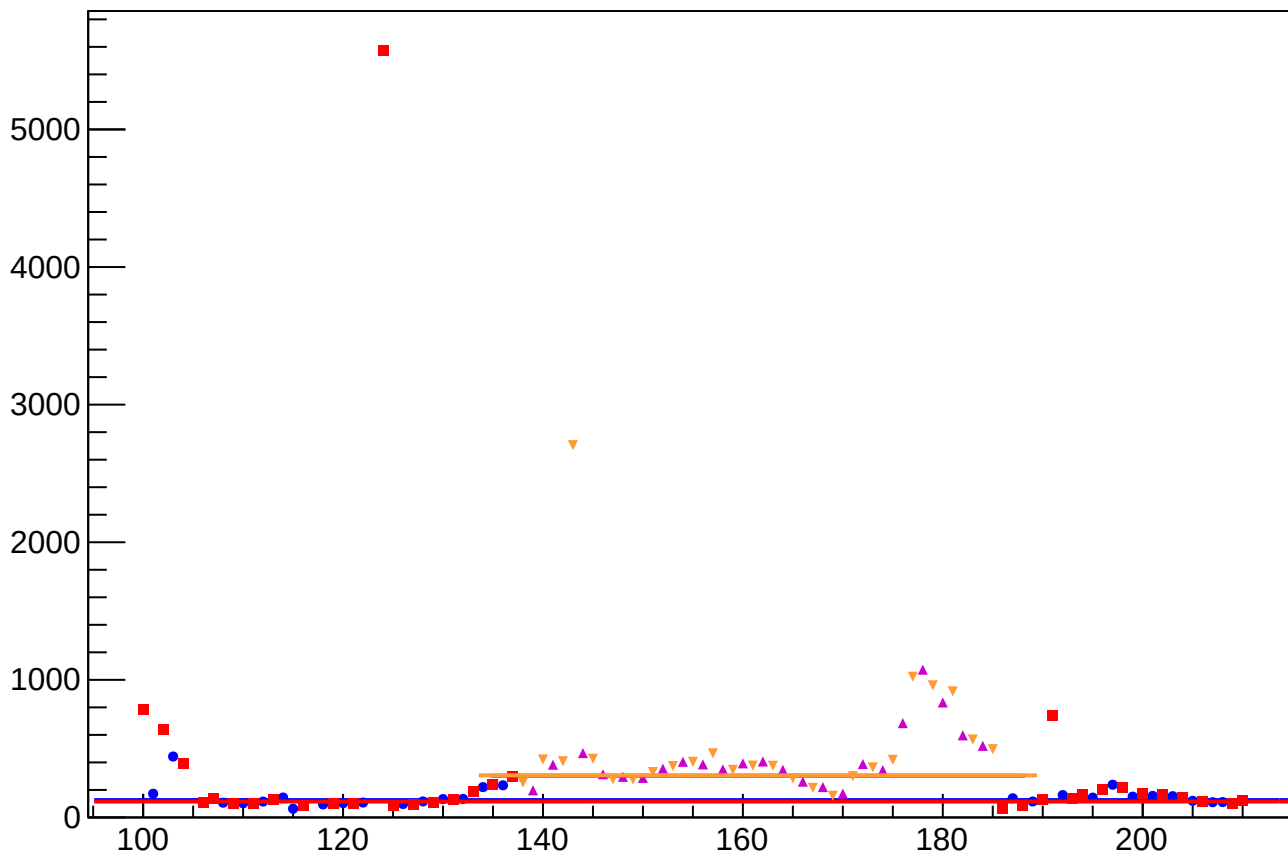
Left In: -0.056 ± 0.077 χ^2/NDF : 26.1/22

+ sign 0.025 ± 0.031 χ^2/NDF : 54.5/51

All: 0.021 ± 0.021 χ^2/NDF : 122.4/107

- sign 0.018 ± 0.028 χ^2/NDF : 67.9/55

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 126.260+/-0.024 χ^2/NDF : 2469153.4/26

Left Out: 305.950+/-0.055 χ^2/NDF : 6634928.0/24

Right Out: 115.737+/-0.022 χ^2/NDF : 4409547.9/32

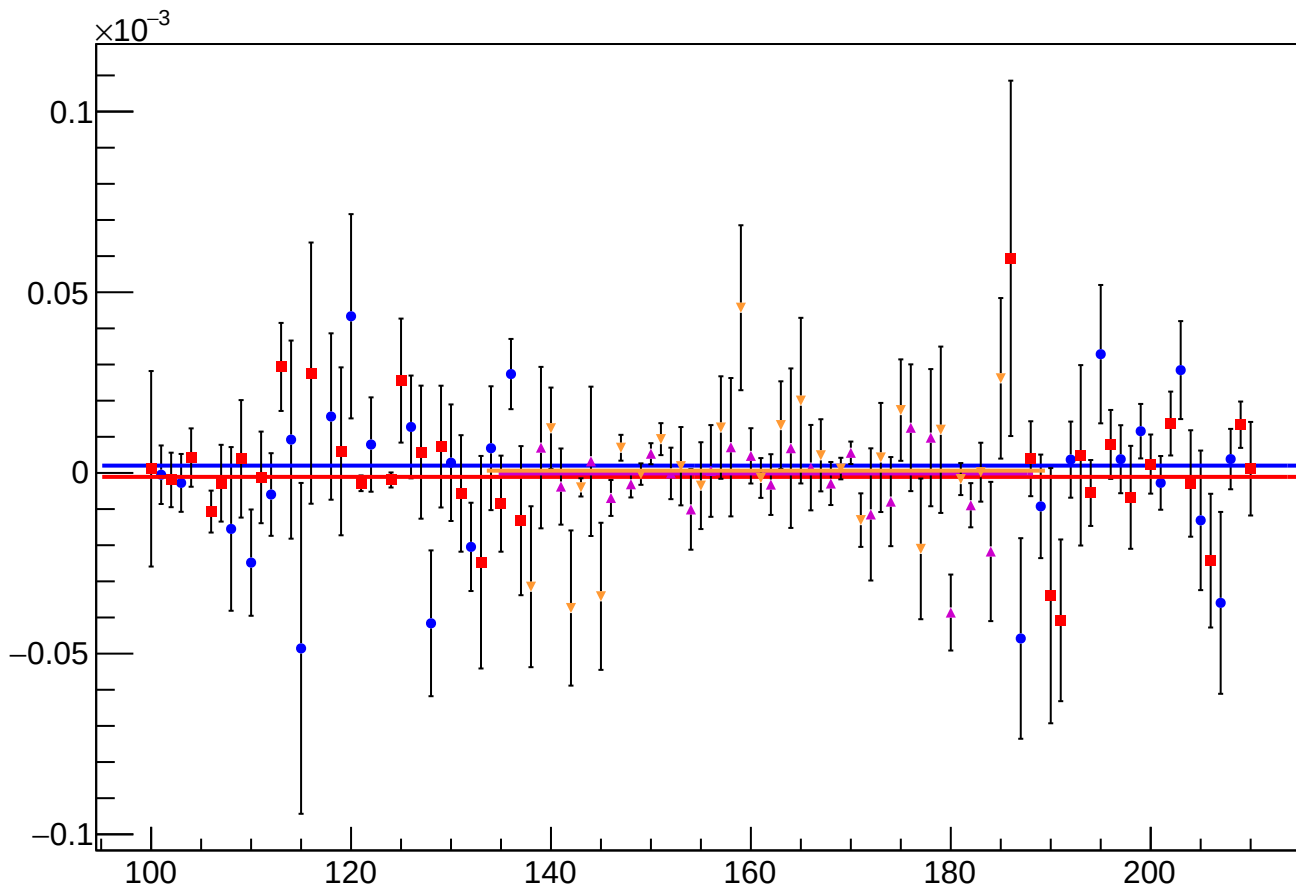
Left In: 303.278+/-0.055 χ^2/NDF : 4813442.3/22

+ sign 155.054+/-0.022 χ^2/NDF : 18031901.9/51

All: 147.315+/-0.015 χ^2/NDF : 37668763.2/10

- sign 140.932+/-0.020 χ^2/NDF : 19412288.7/55

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.1/32

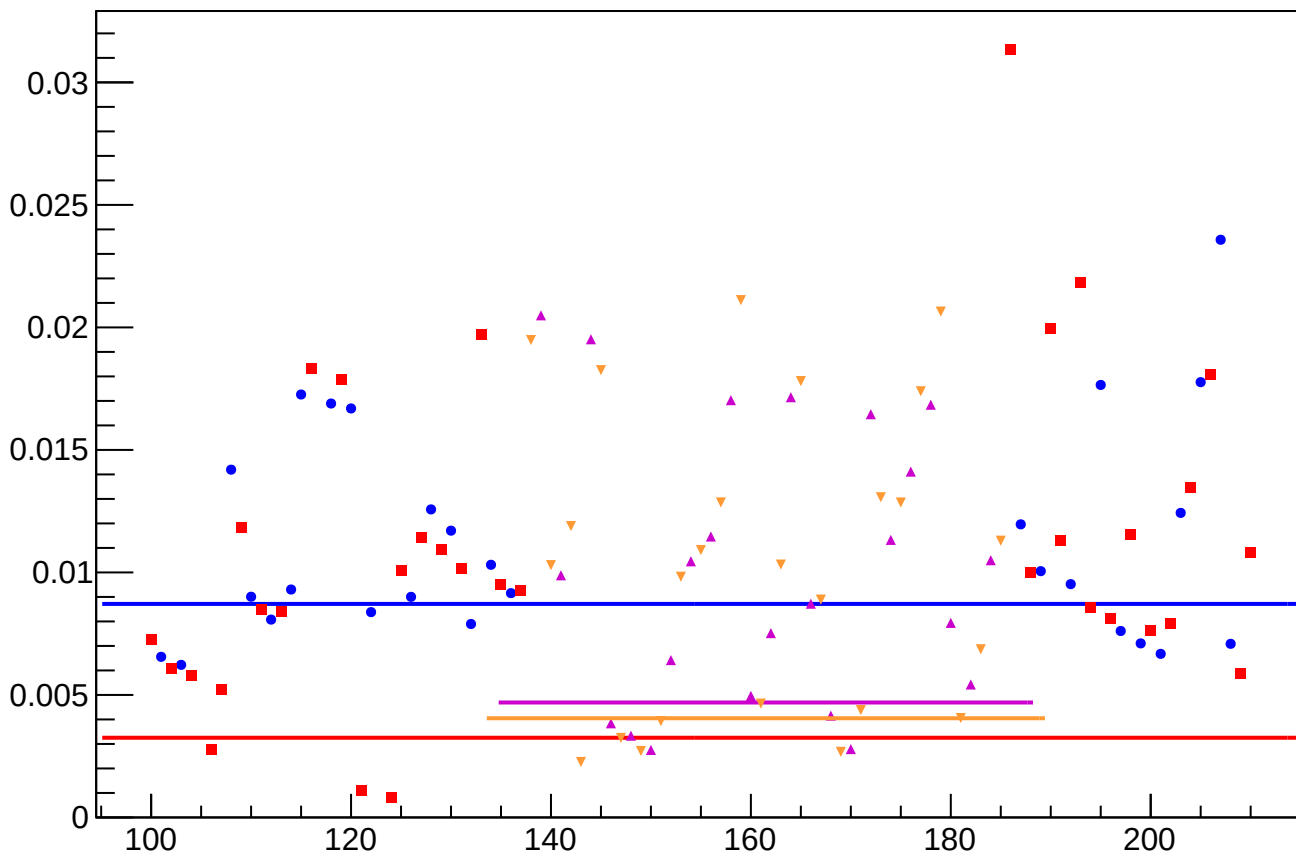
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:29.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 74.2/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 137.7/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.2/55

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 3241140.1/26

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:13552895.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 20027934.5/32

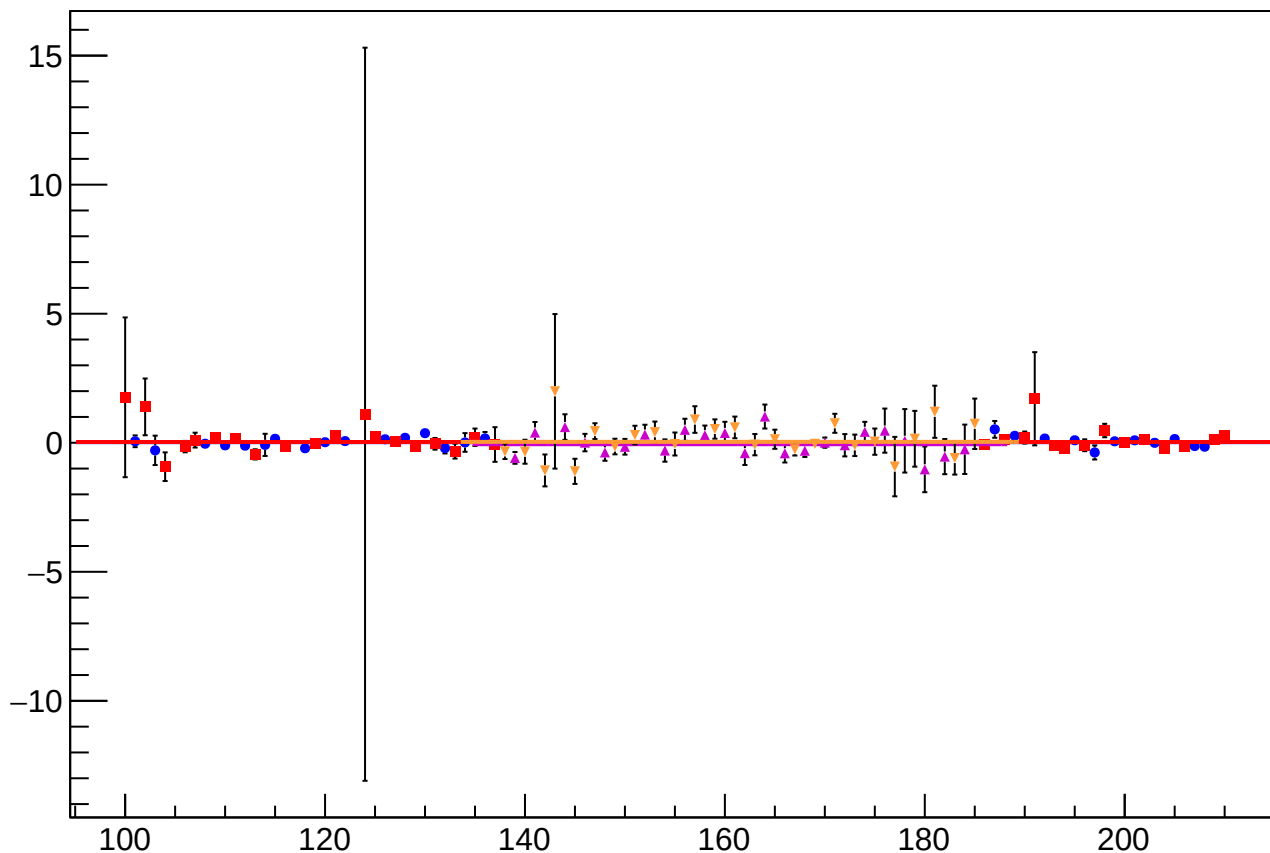
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:10859759.8/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 22943584.9/51

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 56269510.7/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 32083665.3/55

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 ± 0.034 χ^2/NDF : 24.0/26

Left Out: 0.034 ± 0.078 χ^2/NDF : 30.5/24

Right Out: 0.030 ± 0.030 χ^2/NDF : 40.8/32

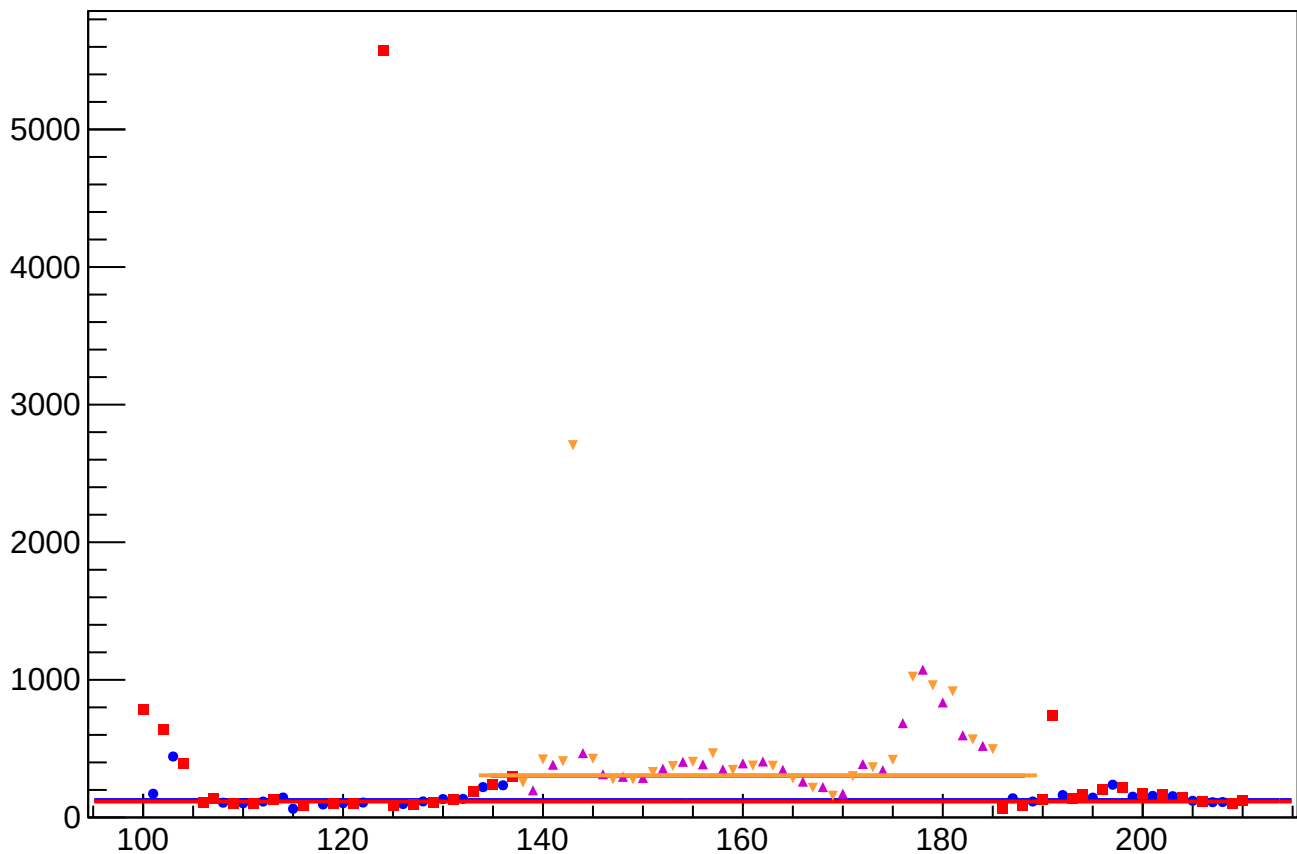
Left In: -0.056 ± 0.077 χ^2/NDF : 26.0/22

+ sign 0.025 ± 0.031 χ^2/NDF : 54.5/51

All: 0.021 ± 0.021 χ^2/NDF : 122.4/107

- sign 0.018 ± 0.028 χ^2/NDF : 67.9/55

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 126.261 $\pm$ 0.024 χ^2 /NDF: 2469115.2/26

Left Out: 305.951 $\pm$ 0.055 χ^2 /NDF: 6634999.6/24

Right Out: 115.738 $\pm$ 0.022 χ^2 /NDF: 4409380.2/32

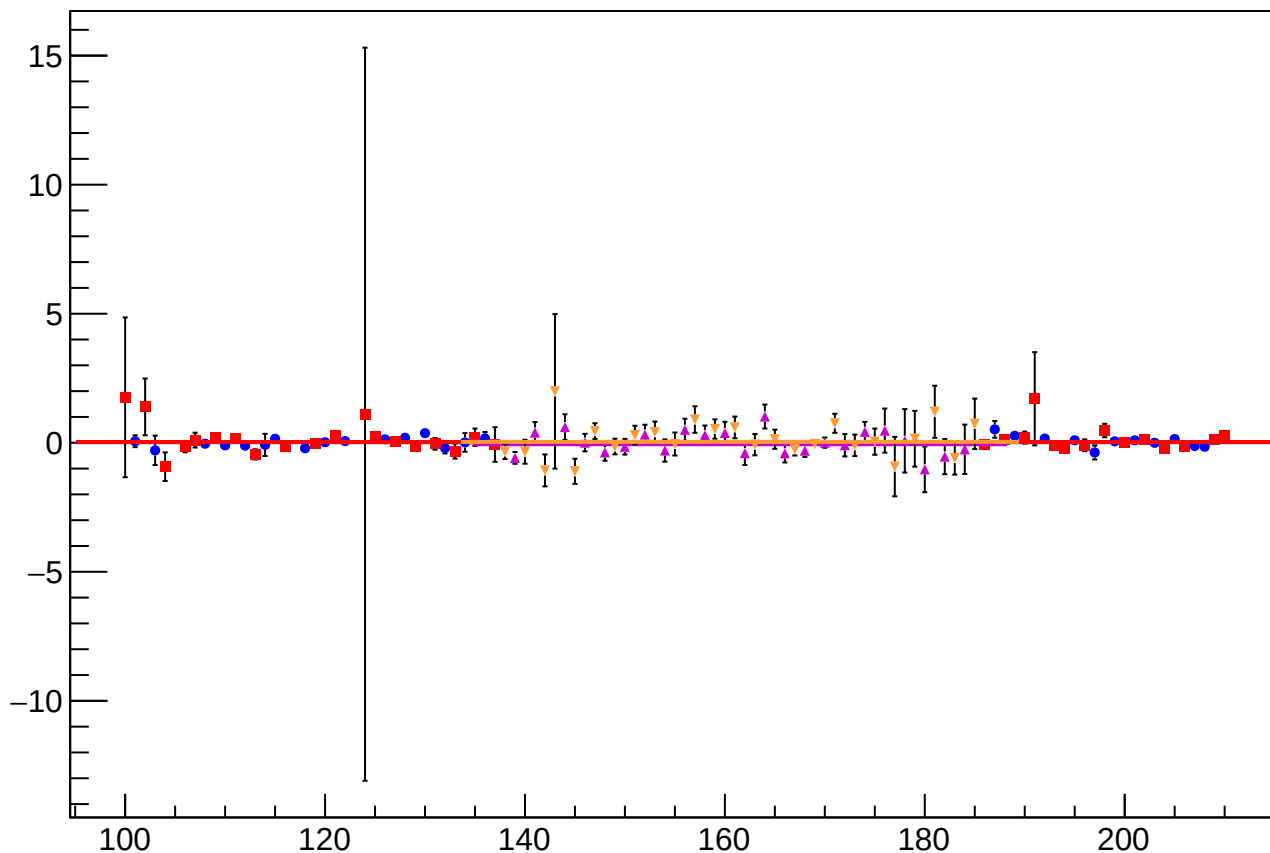
Left In: 303.281 $\pm$ 0.055 χ^2 /NDF: 4813426.5/22

+ sign 155.055 $\pm$ 0.022 χ^2 /NDF: 18031893.8/51

All: 147.316 $\pm$ 0.015 χ^2 /NDF: 37668594.0/10

- sign 140.933 $\pm$ 0.020 χ^2 /NDF: 19412130.4/55

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.034 χ^2 /NDF: 24.0/26

Left Out: 0.034 $\pm$ 0.078 χ^2 /NDF:30.5/24

Right Out: 0.030 $\pm$ 0.030 χ^2 /NDF: 40.8/32

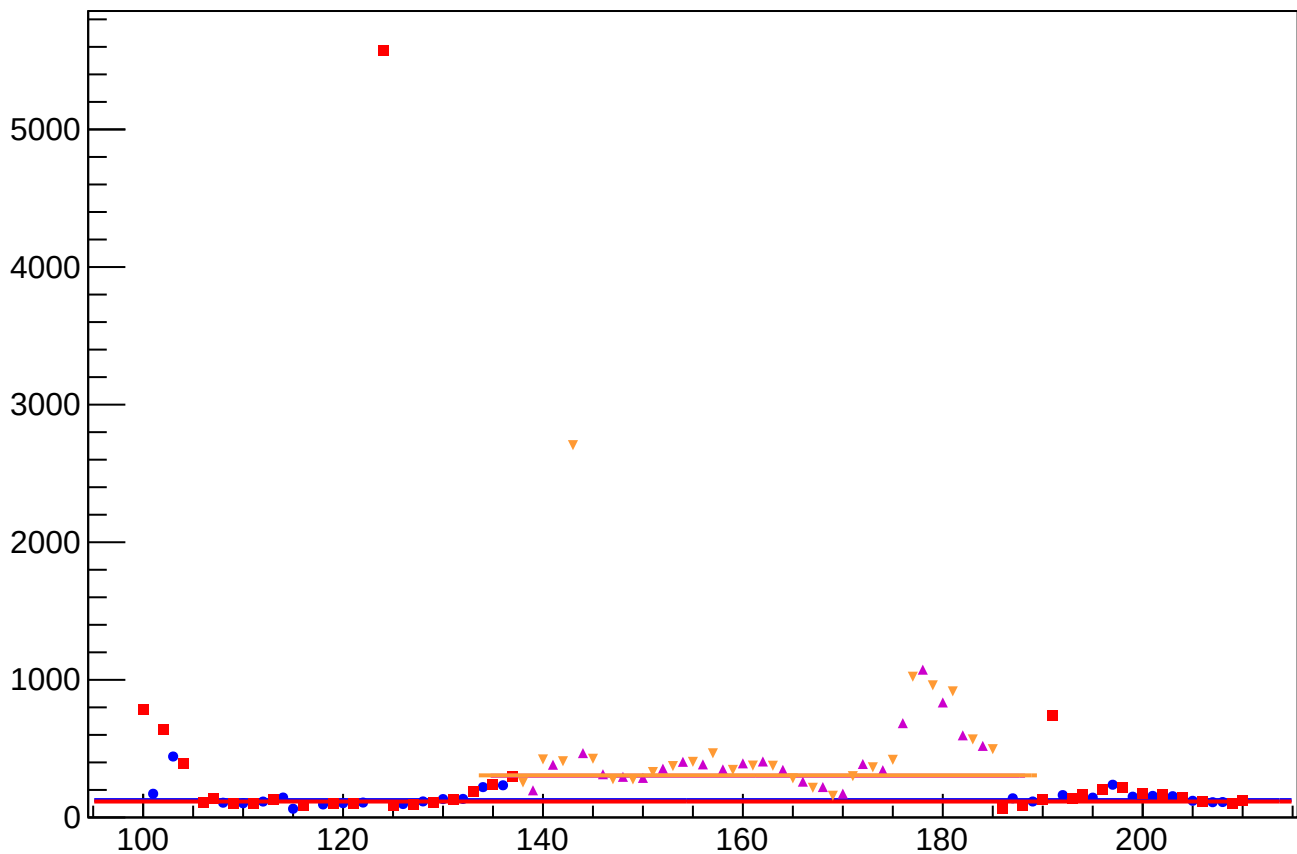
Left In: -0.056 $\pm$ 0.077 χ^2 /NDF:26.0/22

+ sign 0.025 $\pm$ 0.031 χ^2 /NDF: 54.5/51

All: 0.021 $\pm$ 0.021 χ^2 /NDF: 122.4/107

- sign 0.018 $\pm$ 0.028 χ^2 /NDF: 67.9/55

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 126.261 $\pm$ 0.024 χ^2 /NDF: 2469115.2/26

Left Out: 305.951 $\pm$ 0.055 χ^2 /NDF:6634999.6/24

Right Out: 115.738 $\pm$ 0.022 χ^2 /NDF: 4409380.2/32

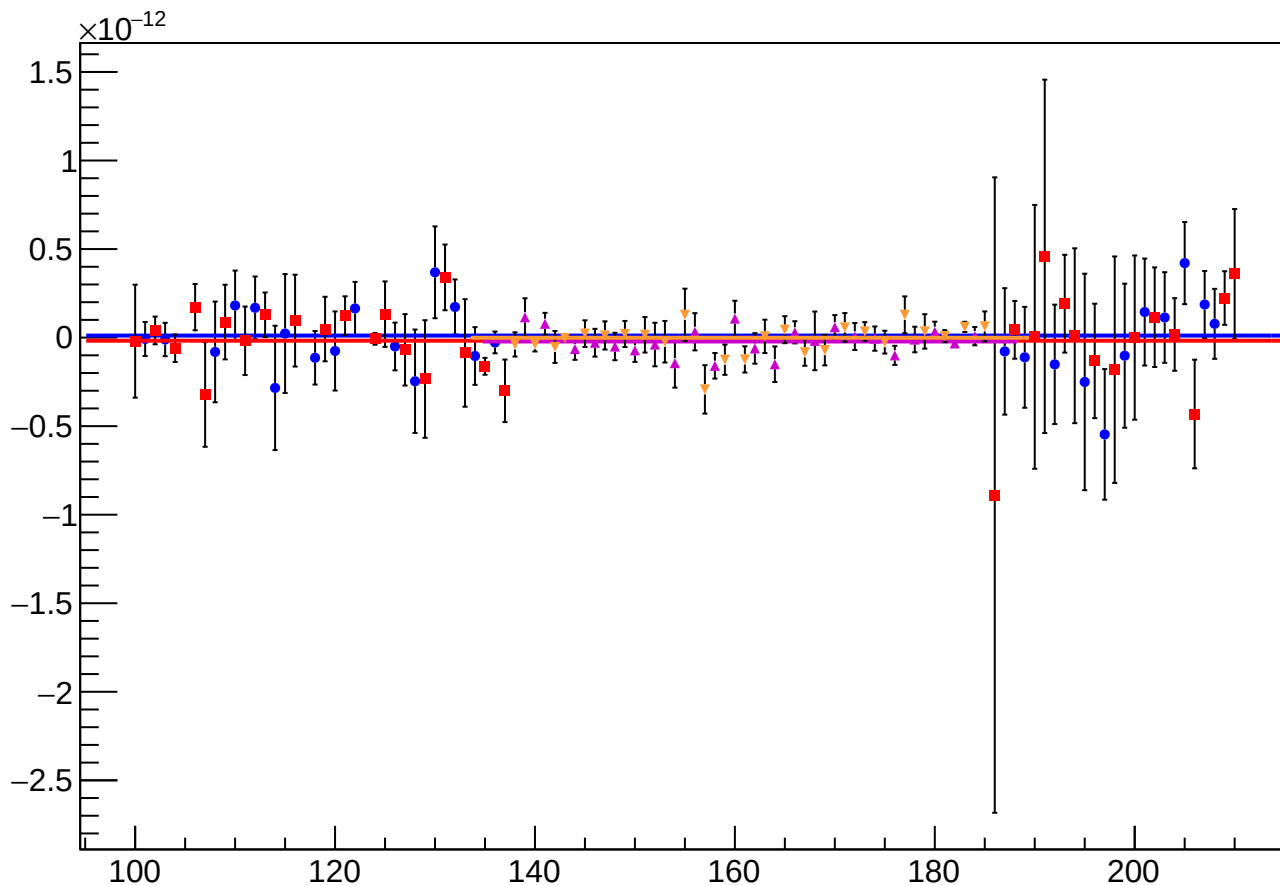
Left In: 303.281 $\pm$ 0.055 χ^2 /NDF:4813426.5/22

+ sign 155.055 $\pm$ 0.022 χ^2 /NDF: 18031893.8/51

All: 147.316 $\pm$ 0.015 χ^2 /NDF: 37668594.0/10

- sign 140.933 $\pm$ 0.020 χ^2 /NDF: 19412130.4/55

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 16.7/26

Left Out: -0.000+/-0.000 χ^2/NDF : 22.0/24

Right Out: -0.000+/-0.000 χ^2/NDF : 31.4/32

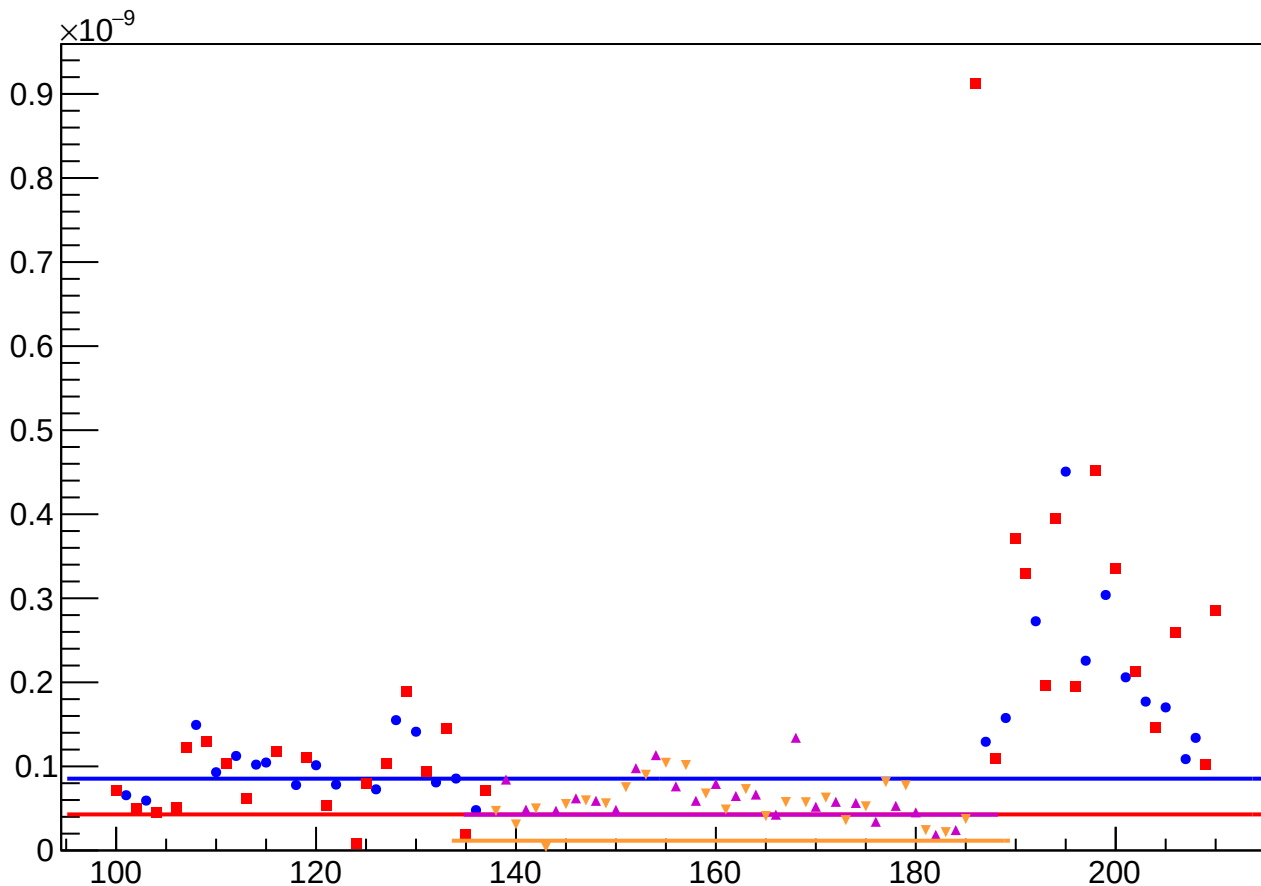
Left In: -0.000+/-0.000 χ^2/NDF : 19.5/22

+ sign -0.000+/-0.000 χ^2/NDF : 38.8/51

All: -0.000+/-0.000 χ^2/NDF : 92.3/107

- sign -0.000+/-0.000 χ^2/NDF : 50.9/55

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4740193.2/26

Left Out: 0.000+/-0.000 χ^2/NDF :17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 13394322.9/32

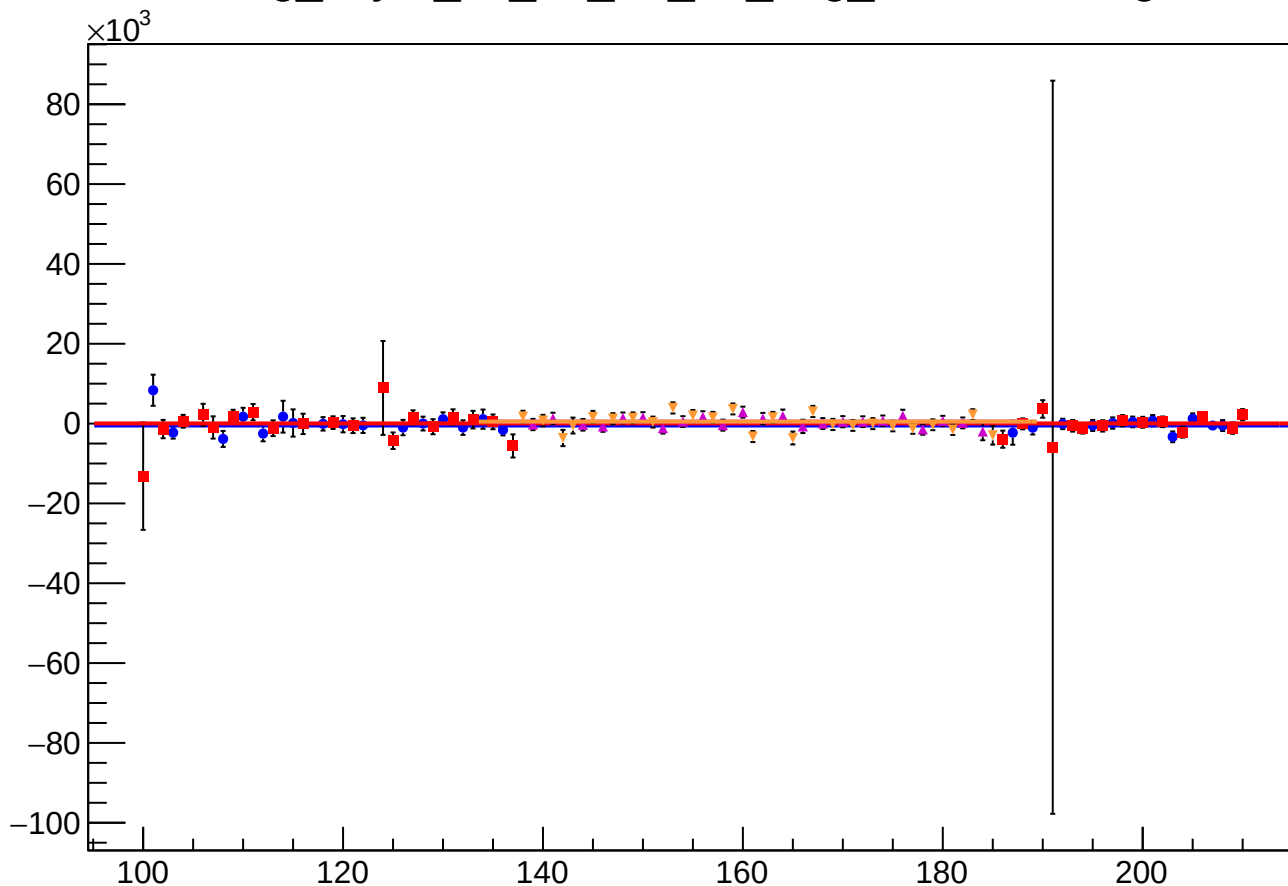
Left In: 0.000+/-0.000 χ^2/NDF :5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 32986607.0/51

All: 0.000+/-0.000 χ^2/NDF : 62114520.3/107

- sign 0.000+/-0.000 χ^2/NDF : 18814618.3/55

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -478.949 ± 323.549 χ^2/NDF : 21.9/26

Left Out: 492.062 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 37.024 ± 308.298 χ^2/NDF : 31.1/32

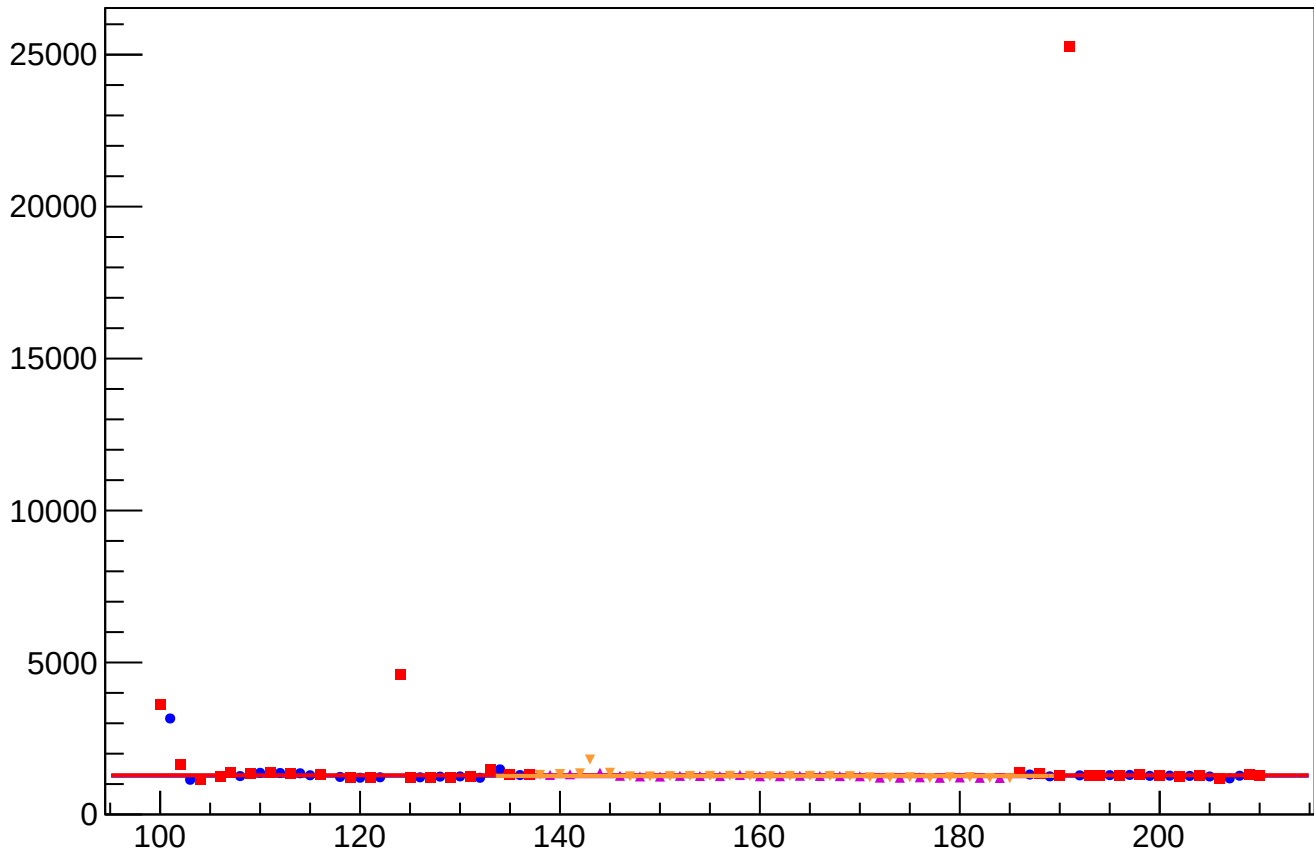
Left In: 486.821 ± 293.769 χ^2/NDF : 14.4/22

+ sign 61.988 ± 215.328 χ^2/NDF : 73.8/51

All: 168.685 ± 151.314 χ^2/NDF : 121.0/107

- sign 272.771 ± 212.677 χ^2/NDF : 46.7/55

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1276.212 $\pm$ 0.229 χ^2 /NDF: 528341.6/26

Left Out: 1266.967 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1288.715 $\pm$ 0.218 χ^2 /NDF: 482663.4/32

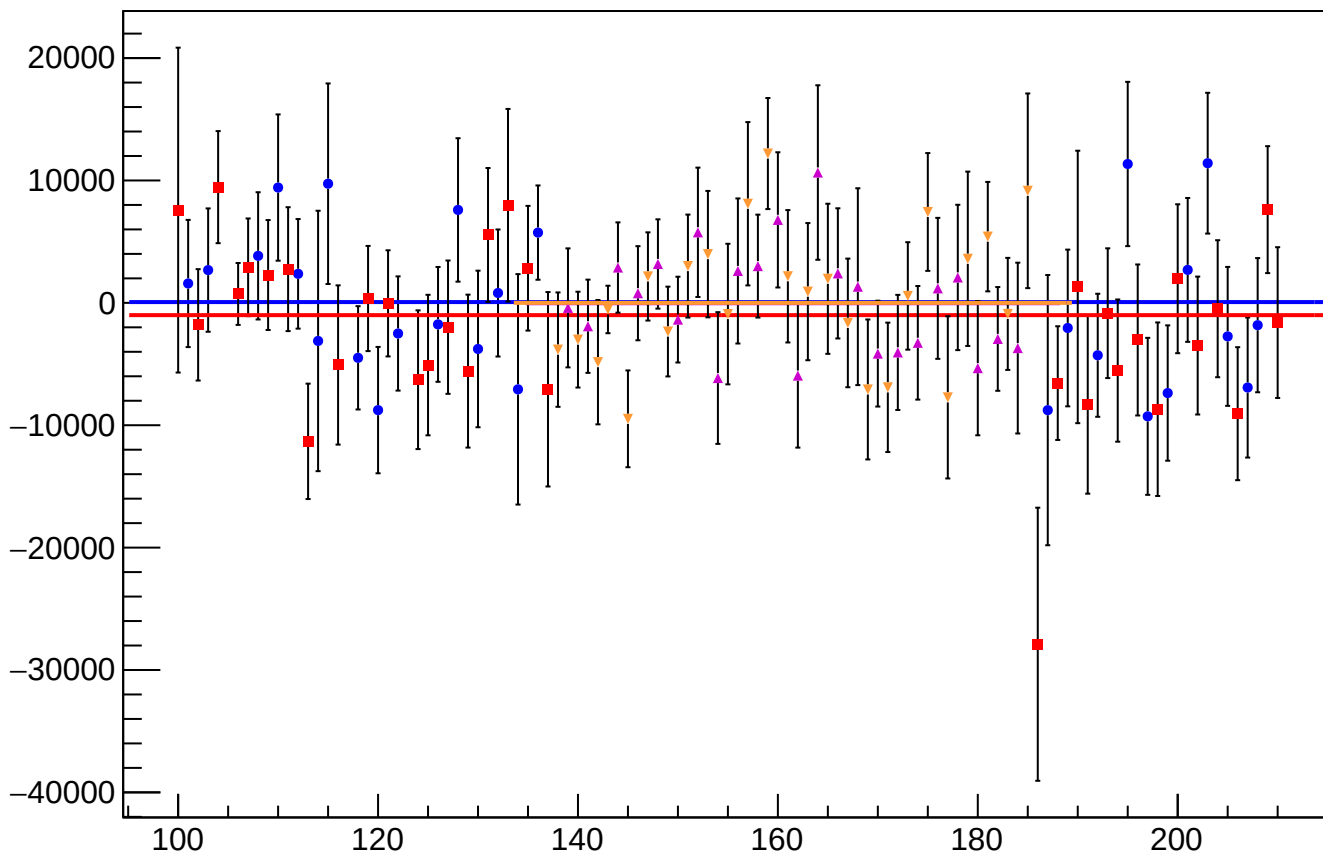
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.4/22

+ sign 1271.062 $\pm$ 0.152 χ^2 /NDF: 716796.8/51

All: 1271.739 $\pm$ 0.107 χ^2 /NDF: 1247038.1/100

- sign 1272.398 $\pm$ 0.150 χ^2 /NDF: 530202.3/55

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug



Right In: 63.227 $\pm$ 1069.204 χ^2 /NDF: 28.6/26

Left Out: -0.604 $\pm$ 886.488 χ^2 /NDF:29.1/24

Right Out: -1004.039 $\pm$ 916.512 χ^2 /NDF: 34.9/32

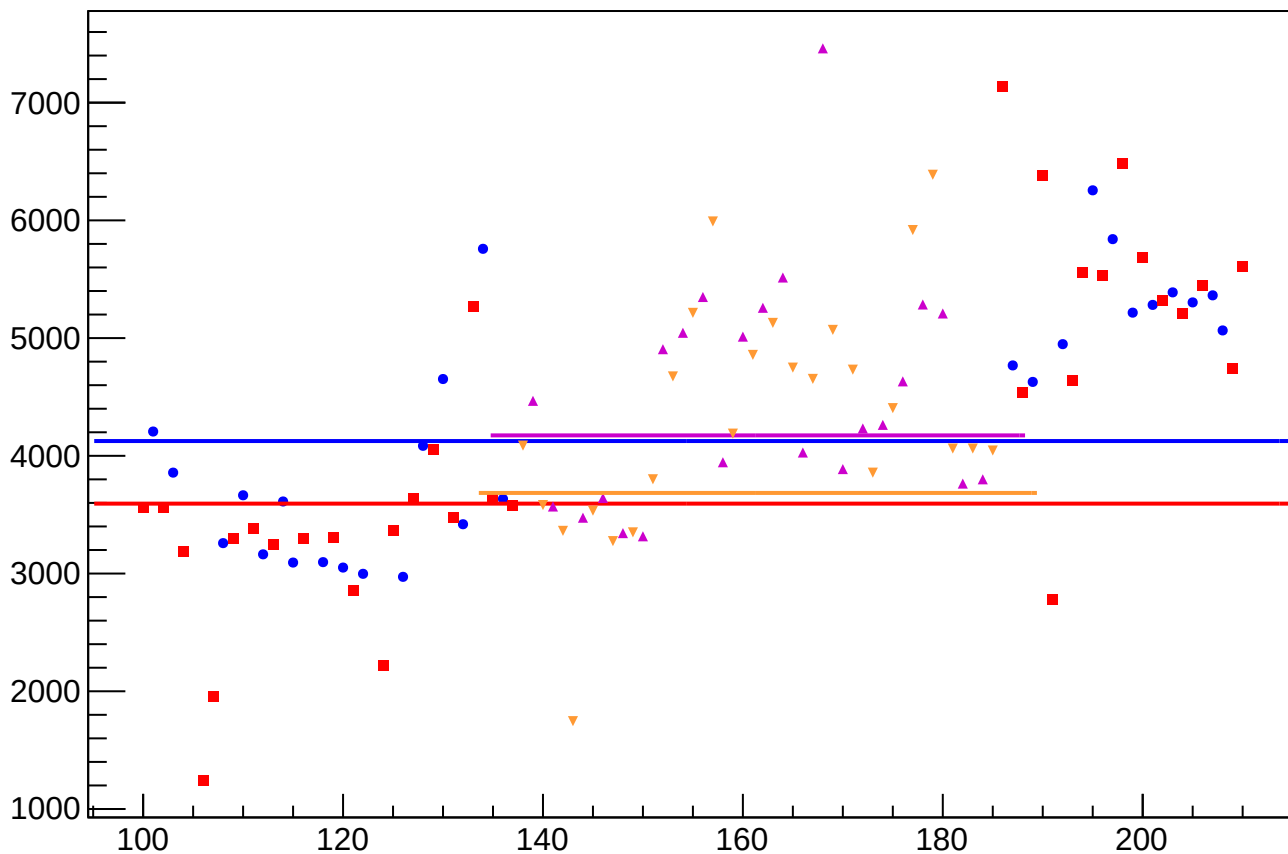
Left In: -31.593 $\pm$ 995.348 χ^2 /NDF:14.0/22

+ sign 25.399 $\pm$ 682.434 χ^2 /NDF: 57.6/51

All: -269.754 $\pm$ 479.624 χ^2 /NDF: 107.5/107

- sign -557.847 $\pm$ 674.222 χ^2 /NDF: 49.5/55

asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug



Right In: 4125.558 $\pm$ 0.756 χ^2 /NDF: 1696125.4/26

Left Out: 3684.769 $\pm$ 0.627 χ^2 /NDF: 3693646.6/24

Right Out: 3593.907 $\pm$ 0.648 χ^2 /NDF: 4807343.5/32

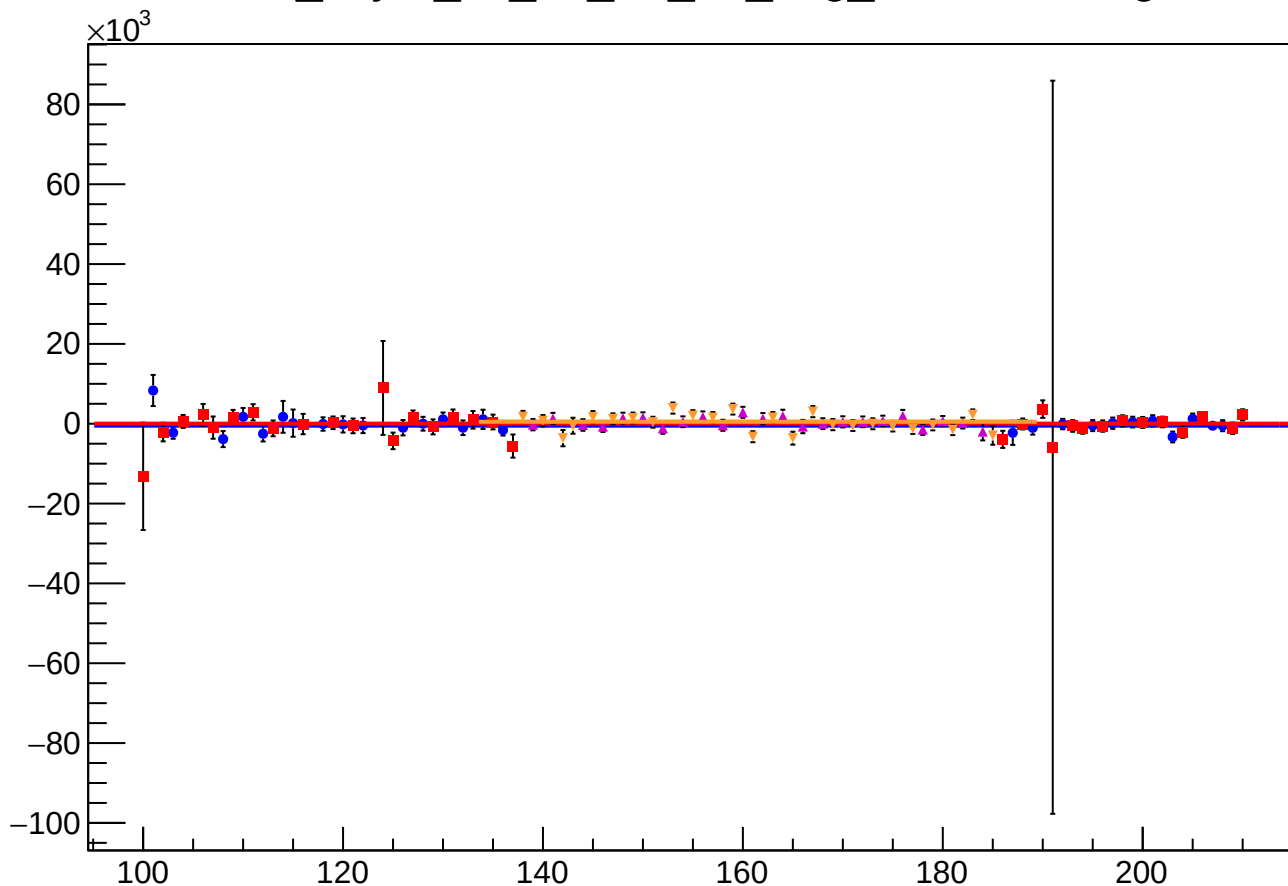
Left In: 4173.556 $\pm$ 0.704 χ^2 /NDF: 1274968.4/22

+ sign 3864.338 $\pm$ 0.483 χ^2 /NDF: 5591212.3/51

All: 3862.077 $\pm$ 0.339 χ^2 /NDF: 12040630.8/100

- sign 3859.870 $\pm$ 0.477 χ^2 /NDF: 6449375.1/55

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -479.091 ± 323.549 χ^2/NDF : 21.9/26

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 25.432 ± 308.380 χ^2/NDF : 31.6/32

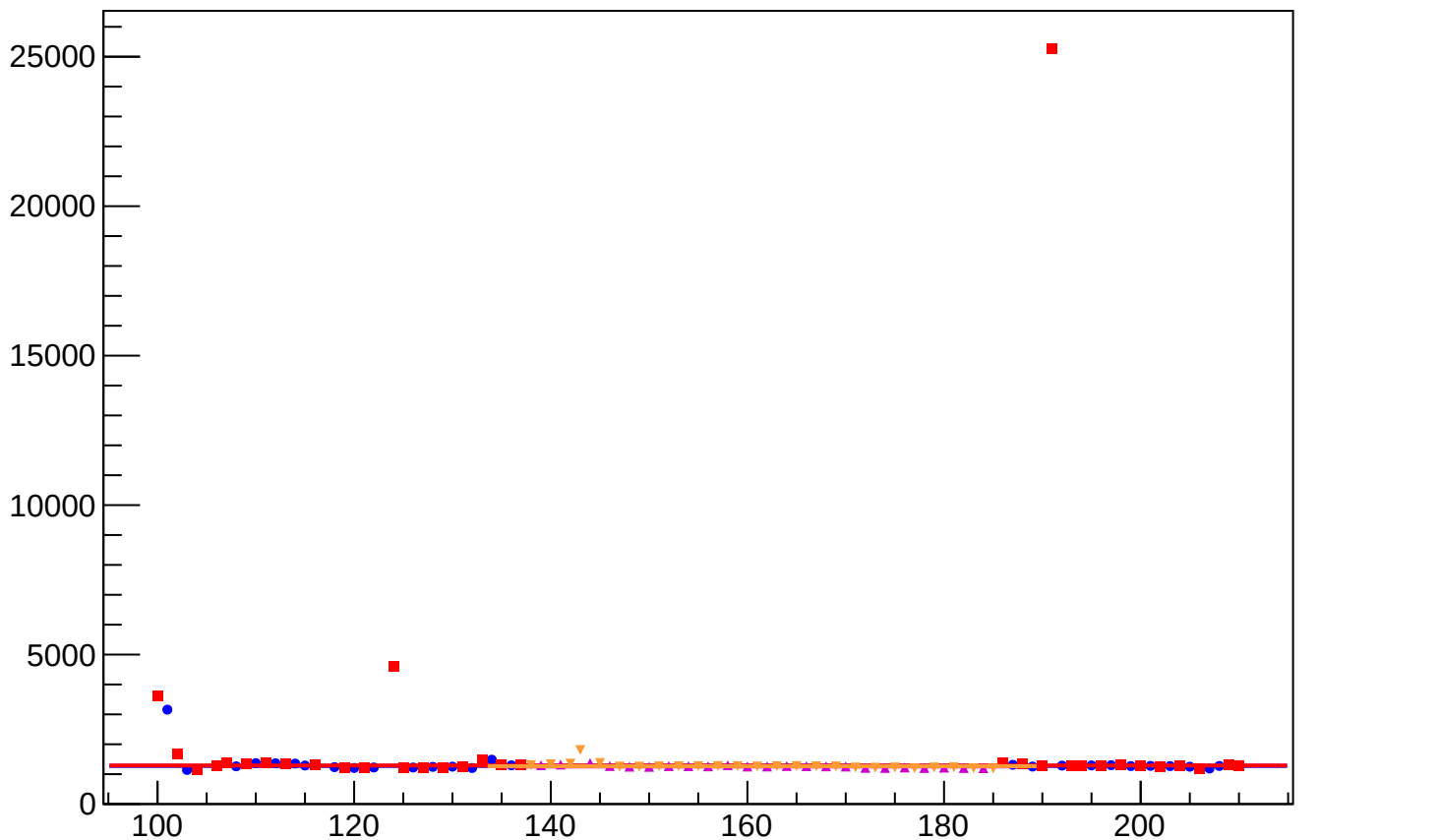
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 61.935 ± 215.328 χ^2/NDF : 73.8/51

All: 165.857 ± 151.323 χ^2/NDF : 121.4/107

- sign 267.263 ± 212.704 χ^2/NDF : 47.2/55

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1276.212 $\pm$ 0.229 χ^2/NDF : 528343.0/26

Left Out: 1266.968 $\pm$ 0.204 χ^2/NDF : 187545.6/24

Right Out: 1289.515 $\pm$ 0.218 χ^2/NDF : 489554.9/32

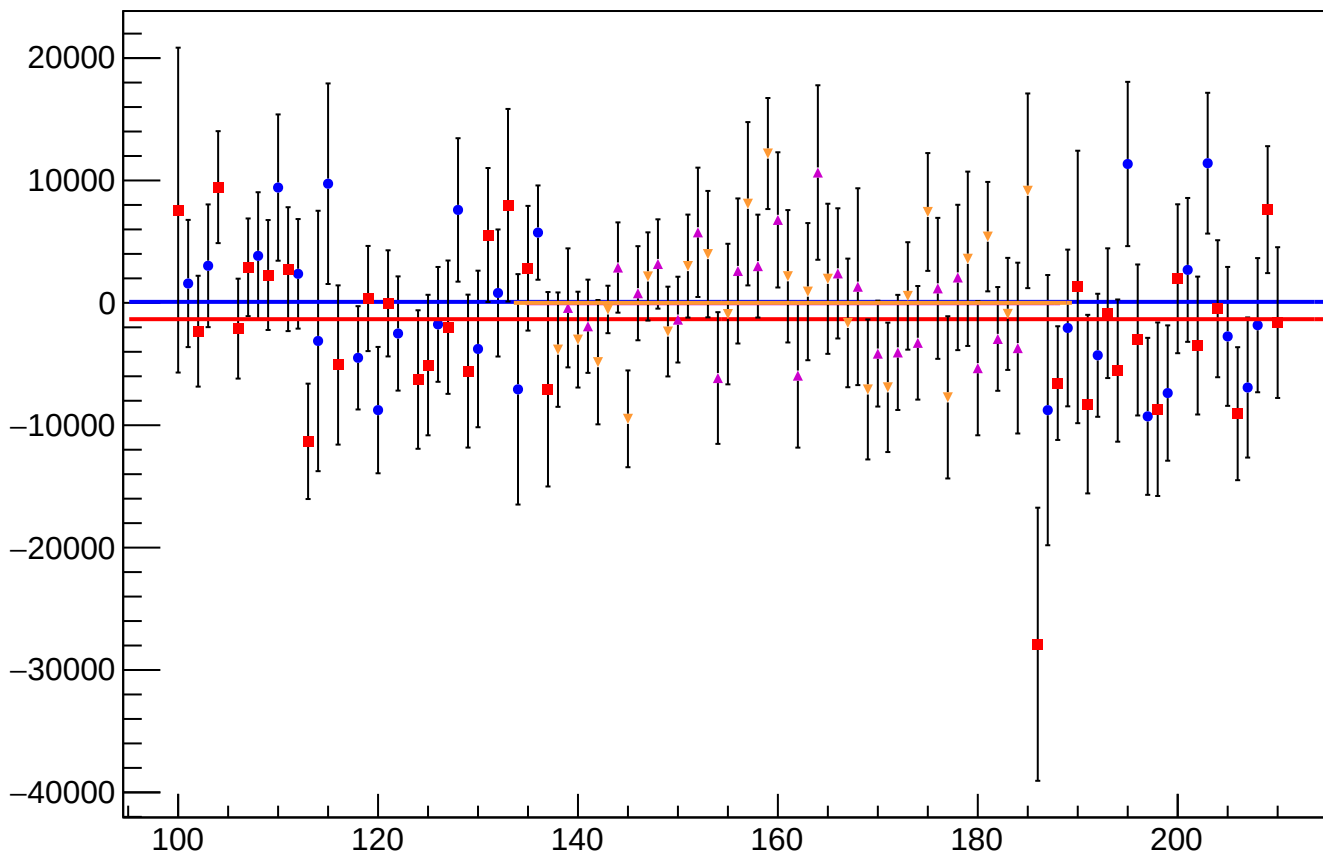
Left In: 1257.551 $\pm$ 0.208 χ^2/NDF : 36816.3/22

+ sign 1271.062 $\pm$ 0.152 χ^2/NDF : 716798.2/51

All: 1271.927 $\pm$ 0.107 χ^2/NDF : 1254506.5/100

- sign 1272.770 $\pm$ 0.150 χ^2/NDF : 537644.6/55

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug



Right In: 80.325+/-1068.965 χ^2/NDF : 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF : 29.1/24

Right Out: -1334.126+/-955.729 χ^2/NDF : 34.4/32

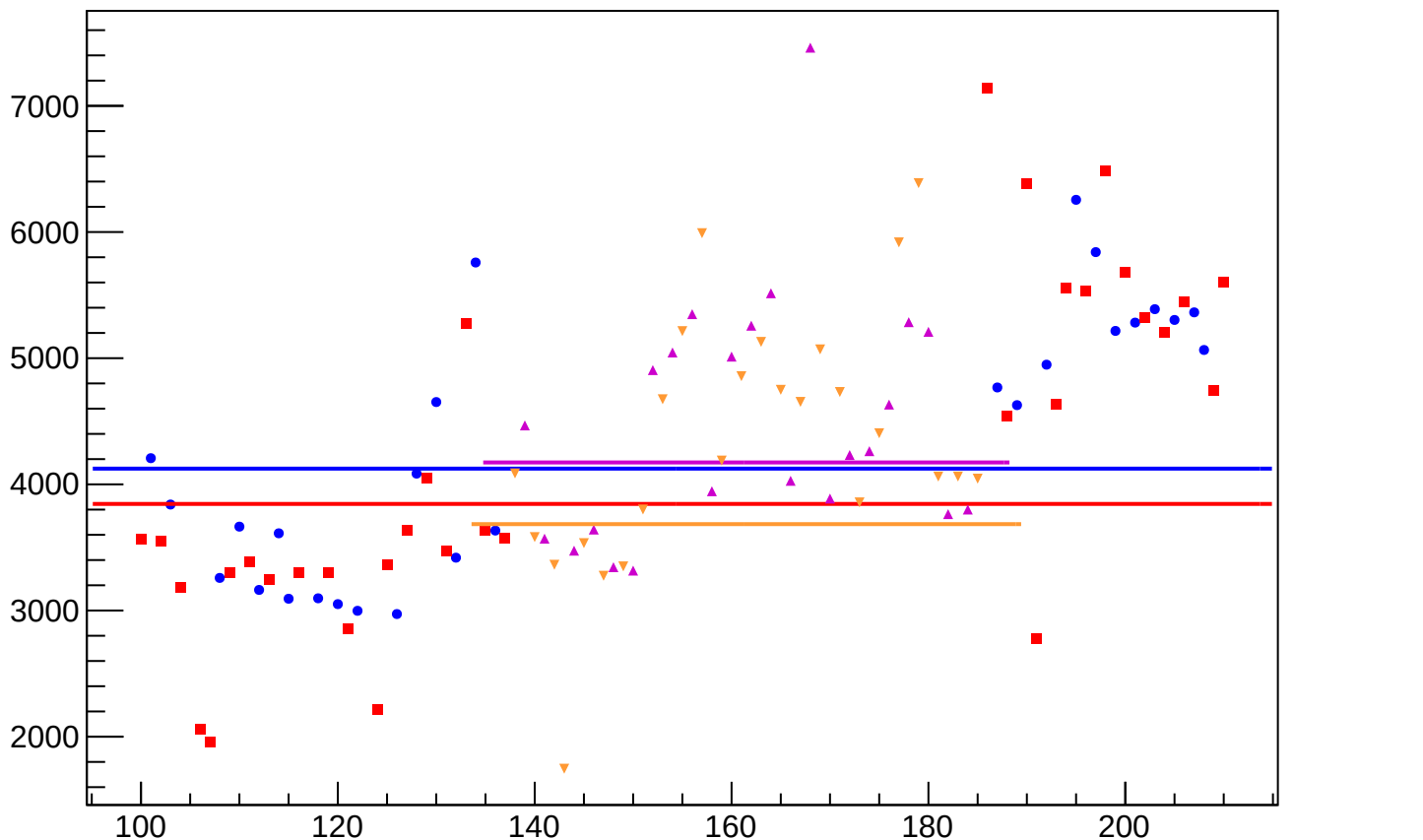
Left In: -31.597+/-995.347 χ^2/NDF : 14.0/22

+ sign 32.411+/-682.372 χ^2/NDF : 57.7/51

All: -334.653+/-484.970 χ^2/NDF : 107.7/107

- sign -709.299+/-689.383 χ^2/NDF : 49.4/55

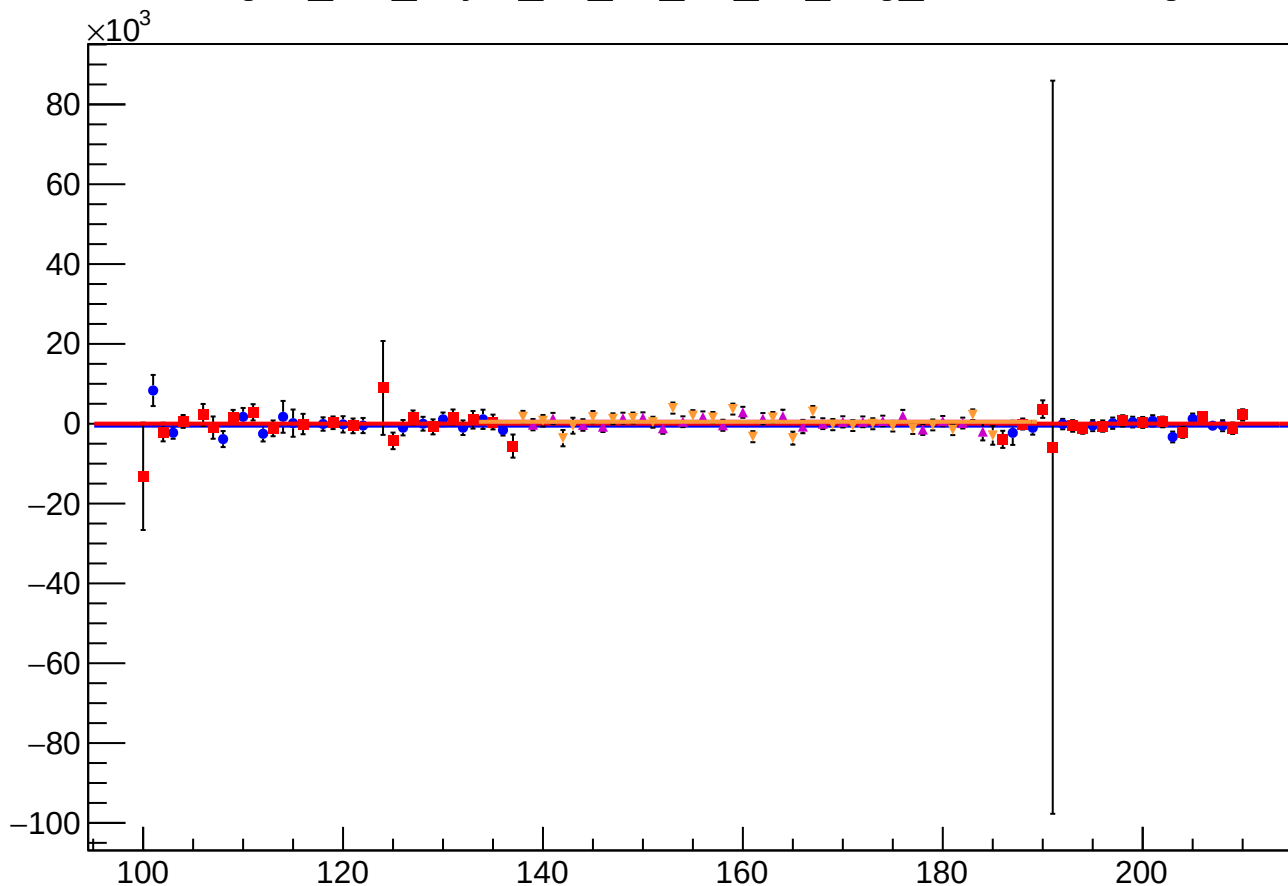
asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 4124.687 ± 0.756 χ^2/NDF : 1696967.8/26
 Left Out: 3684.762 ± 0.627 χ^2/NDF : 3693687.2/24
 Right Out: 3844.885 ± 0.676 χ^2/NDF : 3222064.1/32
 Left In: 4173.550 ± 0.704 χ^2/NDF : 1274967.5/22

+ sign 3864.026 ± 0.483 χ^2/NDF : 5591359.7/51
 All: 3932.578 ± 0.343 χ^2/NDF : 10242637.9/100
 - sign 4002.546 ± 0.487 χ^2/NDF : 4610491.0/55

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -479.091 ± 323.549 χ^2/NDF : 21.9/26

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 25.432 ± 308.380 χ^2/NDF : 31.6/32

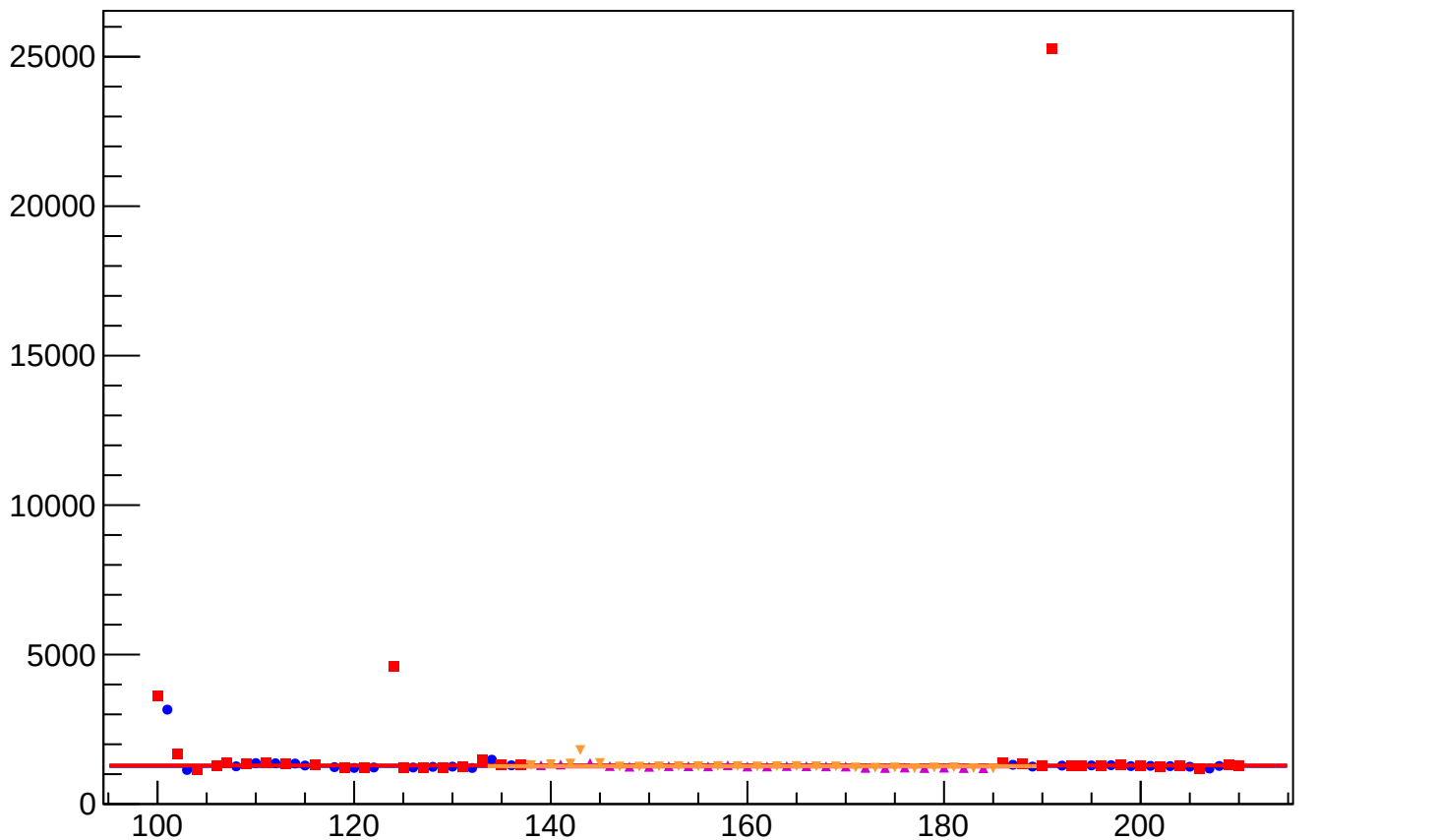
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 61.935 ± 215.328 χ^2/NDF : 73.8/51

All: 165.857 ± 151.323 χ^2/NDF : 121.4/107

- sign 267.263 ± 212.704 χ^2/NDF : 47.2/55

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1276.212 $\pm$ 0.229 χ^2 /NDF: 528343.0/26

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.515 $\pm$ 0.218 χ^2 /NDF: 489554.9/32

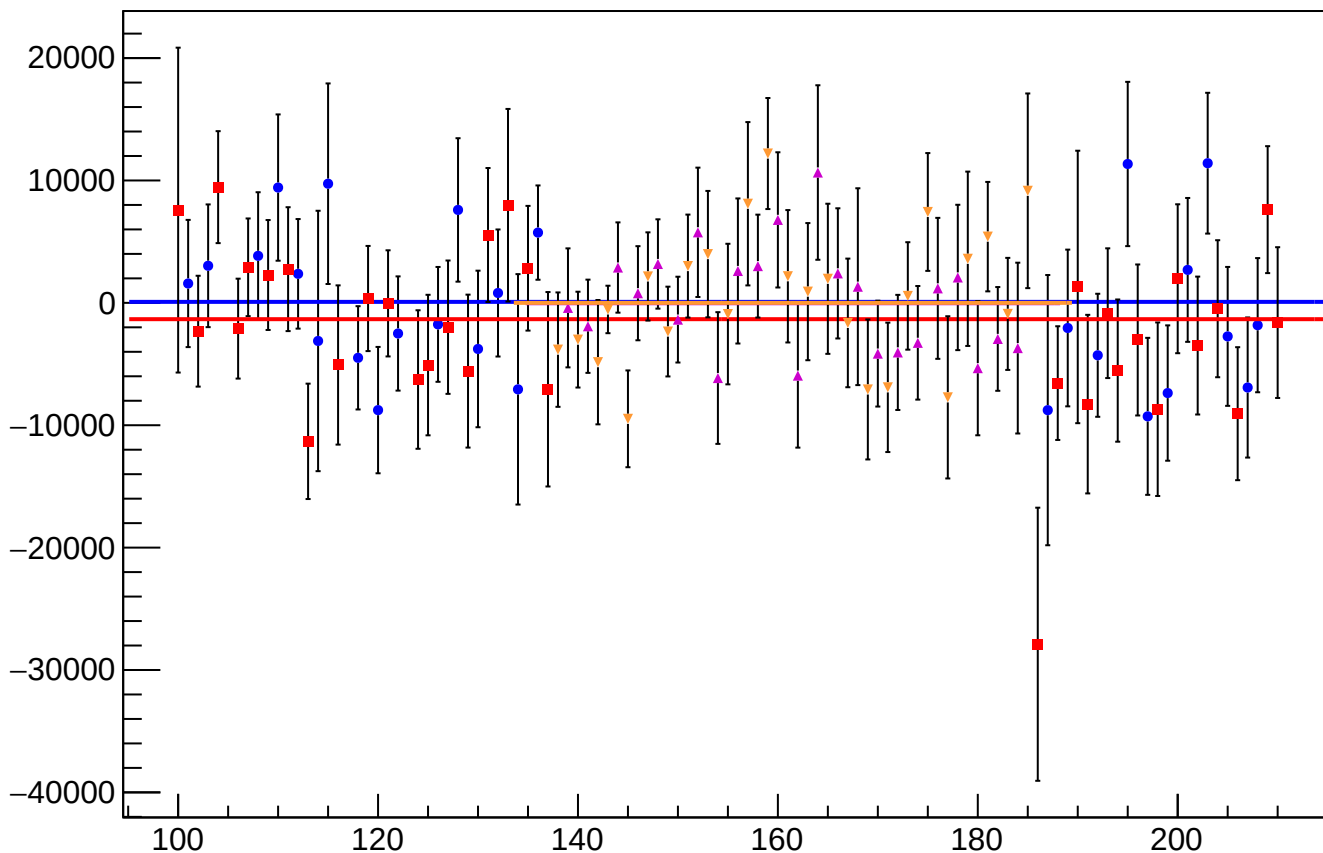
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1271.062 $\pm$ 0.152 χ^2 /NDF: 716798.2/51

All: 1271.927 $\pm$ 0.107 χ^2 /NDF: 1254506.5/100

- sign 1272.770 $\pm$ 0.150 χ^2 /NDF: 537644.6/55

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 80.325+/-1068.965 χ^2/NDF : 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF : 29.1/24

Right Out: -1334.126+/-955.729 χ^2/NDF : 34.4/32

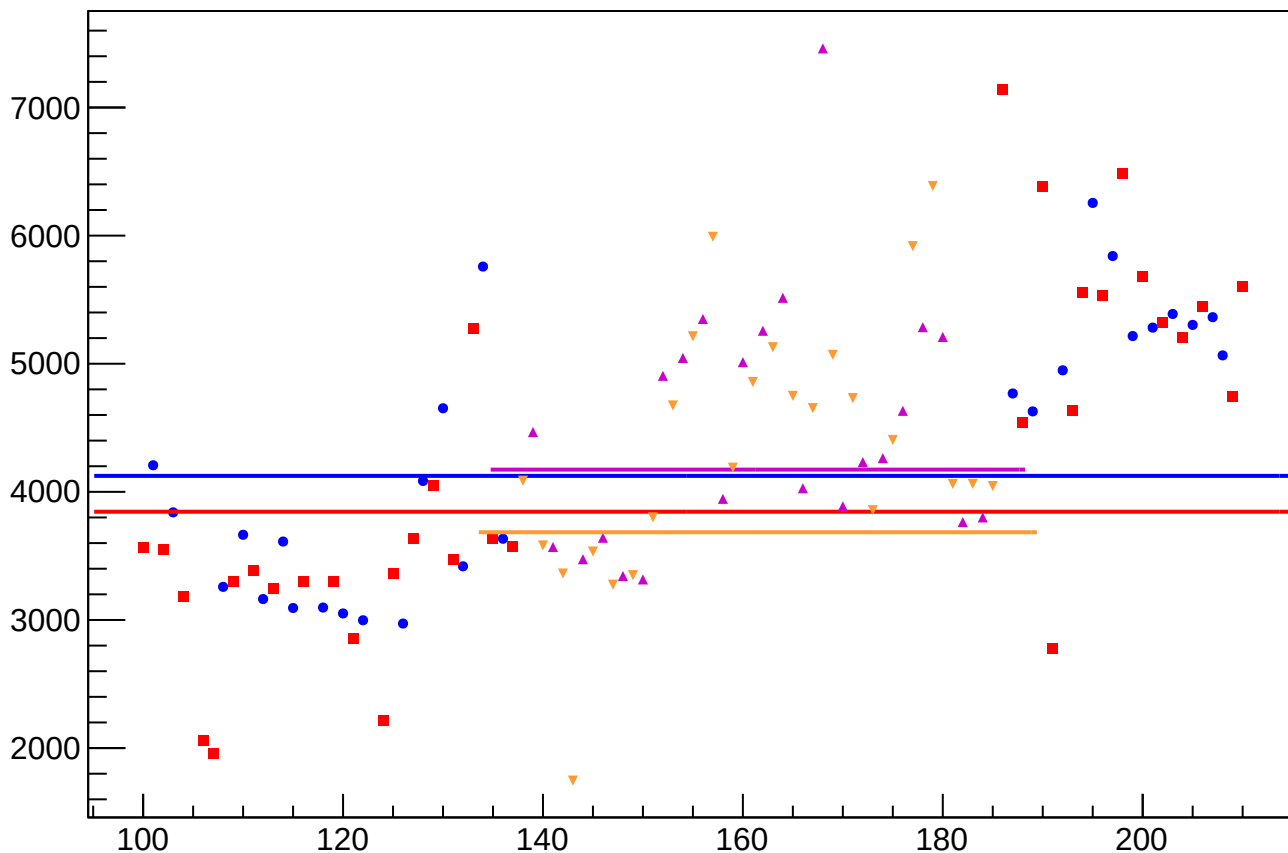
Left In: -31.597+/-995.347 χ^2/NDF : 14.0/22

+ sign 32.411+/-682.372 χ^2/NDF : 57.7/51

All: -334.653+/-484.970 χ^2/NDF : 107.7/107

- sign -709.299+/-689.383 χ^2/NDF : 49.4/55

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 4124.687 $\pm$ 0.756 χ^2/NDF : 1696967.8/26

Left Out: 3684.762 $\pm$ 0.627 χ^2/NDF : 3693687.2/24

Right Out: 3844.885 $\pm$ 0.676 χ^2/NDF : 3222064.1/32

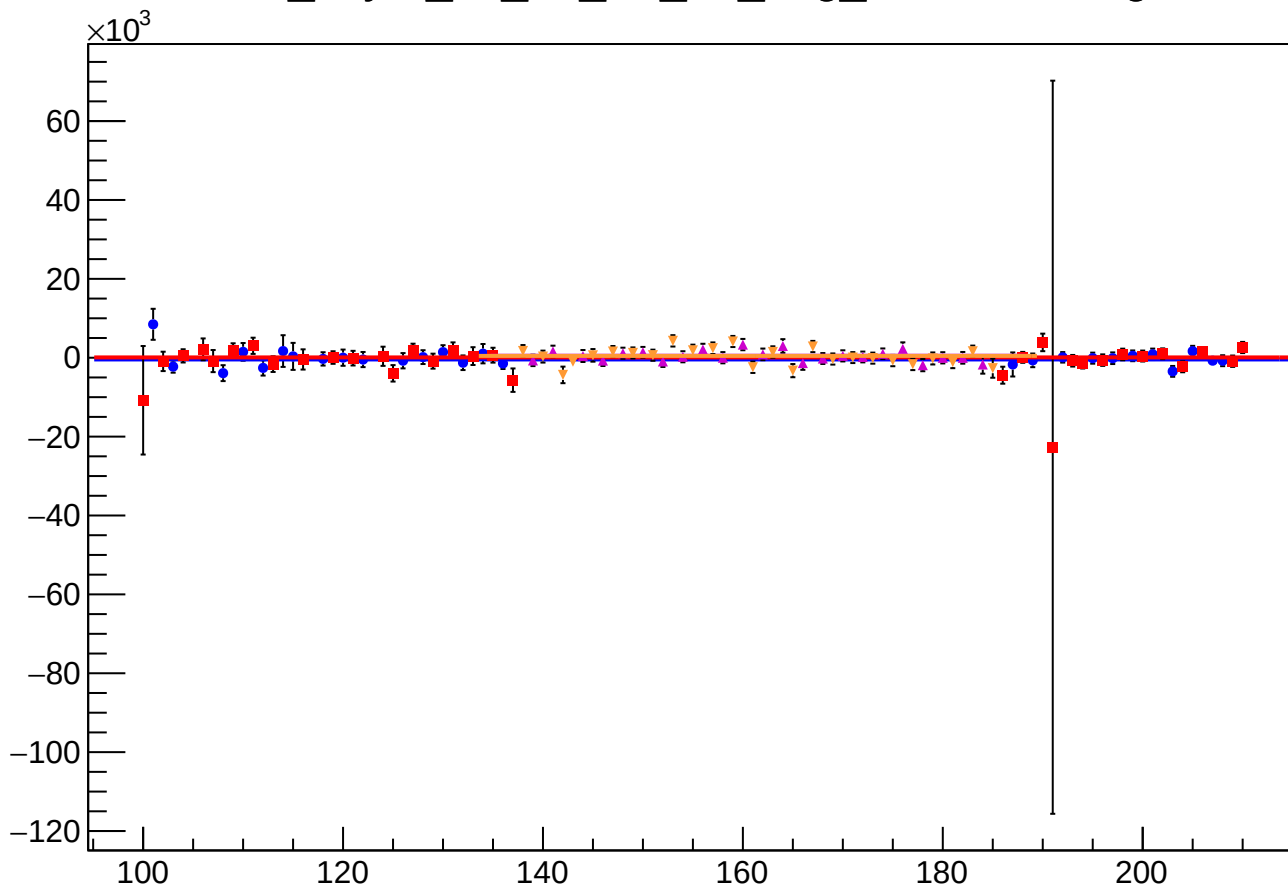
Left In: 4173.550 $\pm$ 0.704 χ^2/NDF : 1274967.5/22

+ sign 3864.026 $\pm$ 0.483 χ^2/NDF : 5591359.7/51

All: 3932.578 $\pm$ 0.343 χ^2/NDF : 10242637.9/102

- sign 4002.546 $\pm$ 0.487 χ^2/NDF : 4610491.0/55

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -436.980 ± 328.073 χ^2/NDF : 23.3/26

Left Out: 467.929 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 78.986 ± 310.702 χ^2/NDF : 32.7/32

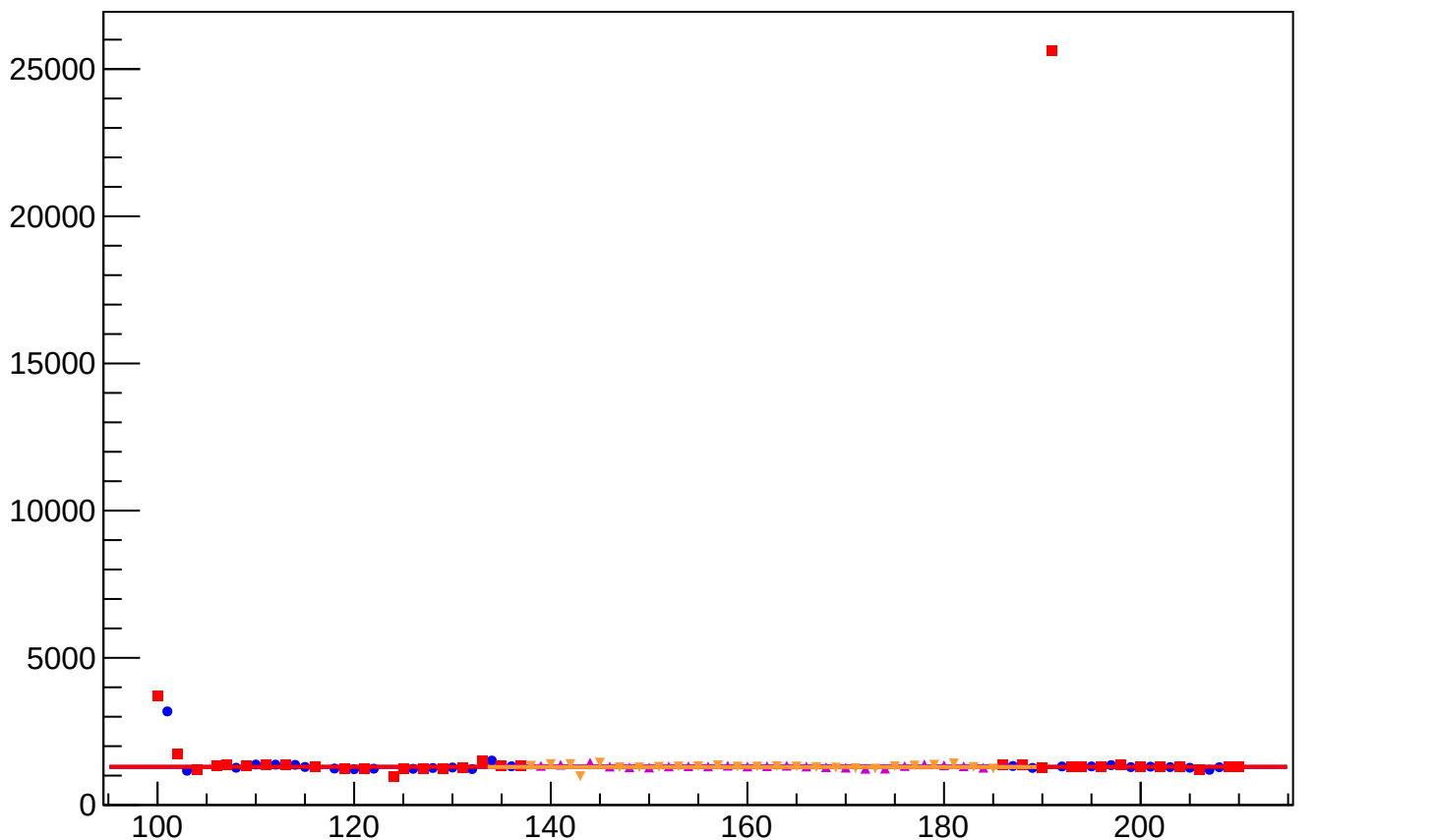
Left In: 503.558 ± 307.055 χ^2/NDF : 17.4/22

+ sign 64.500 ± 219.054 χ^2/NDF : 71.6/51

All: 179.483 ± 154.662 χ^2/NDF : 123.2/107

- sign 293.778 ± 218.399 χ^2/NDF : 51.0/55

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF : 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF : 230735.1/24

Right Out: 1300.541+/-0.220 χ^2/NDF : 378271.1/32

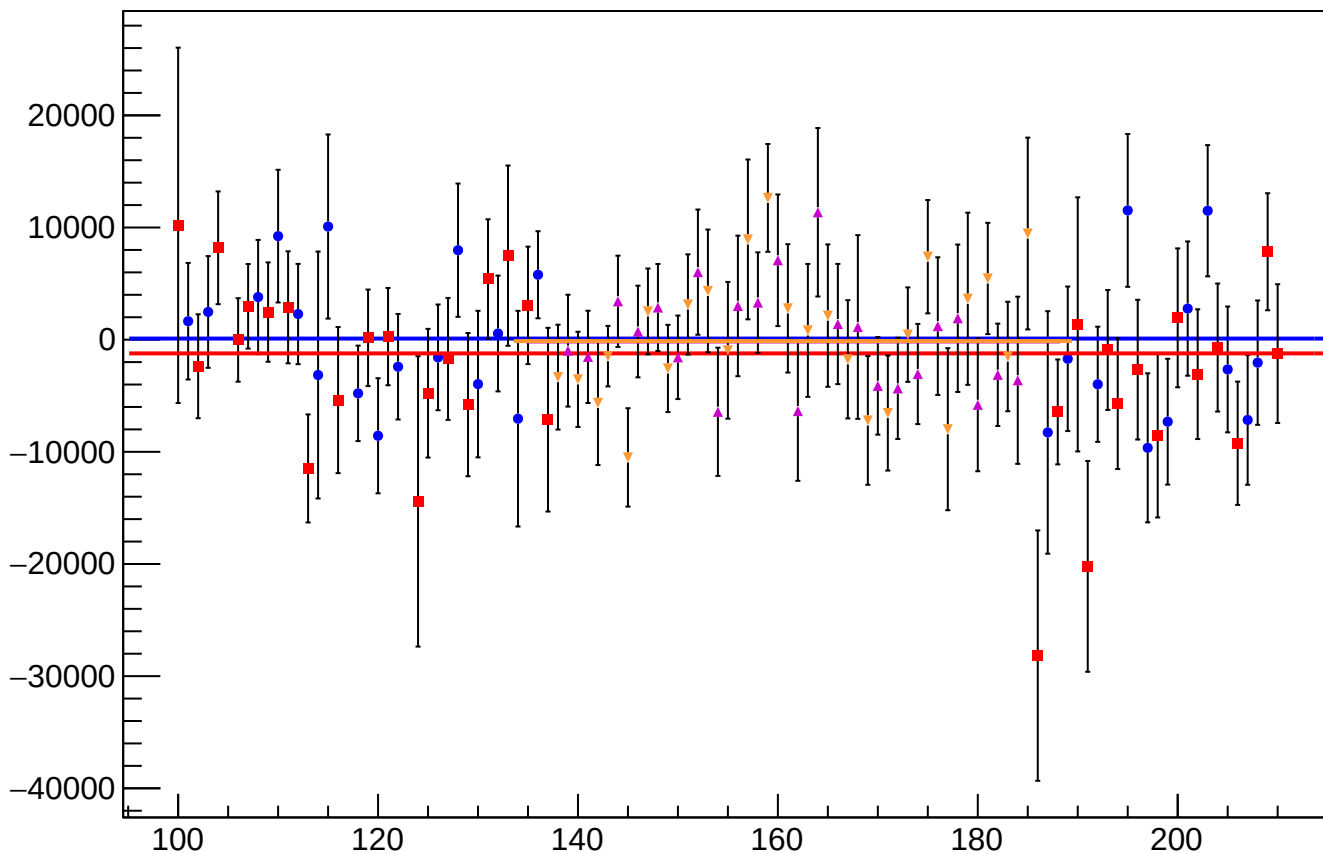
Left In: 1314.006+/-0.217 χ^2/NDF : 43044.7/22

+ sign 1292.414+/-0.155 χ^2/NDF : 759741.3/51

All: 1299.906+/-0.109 χ^2/NDF : 1187622.0/10

- sign 1307.351+/-0.154 χ^2/NDF : 423216.7/55

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug



Right In: 98.258+/-1074.950 χ^2/NDF : 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF : 28.6/24

Right Out: -1222.828+/-971.813 χ^2/NDF : 36.2/32

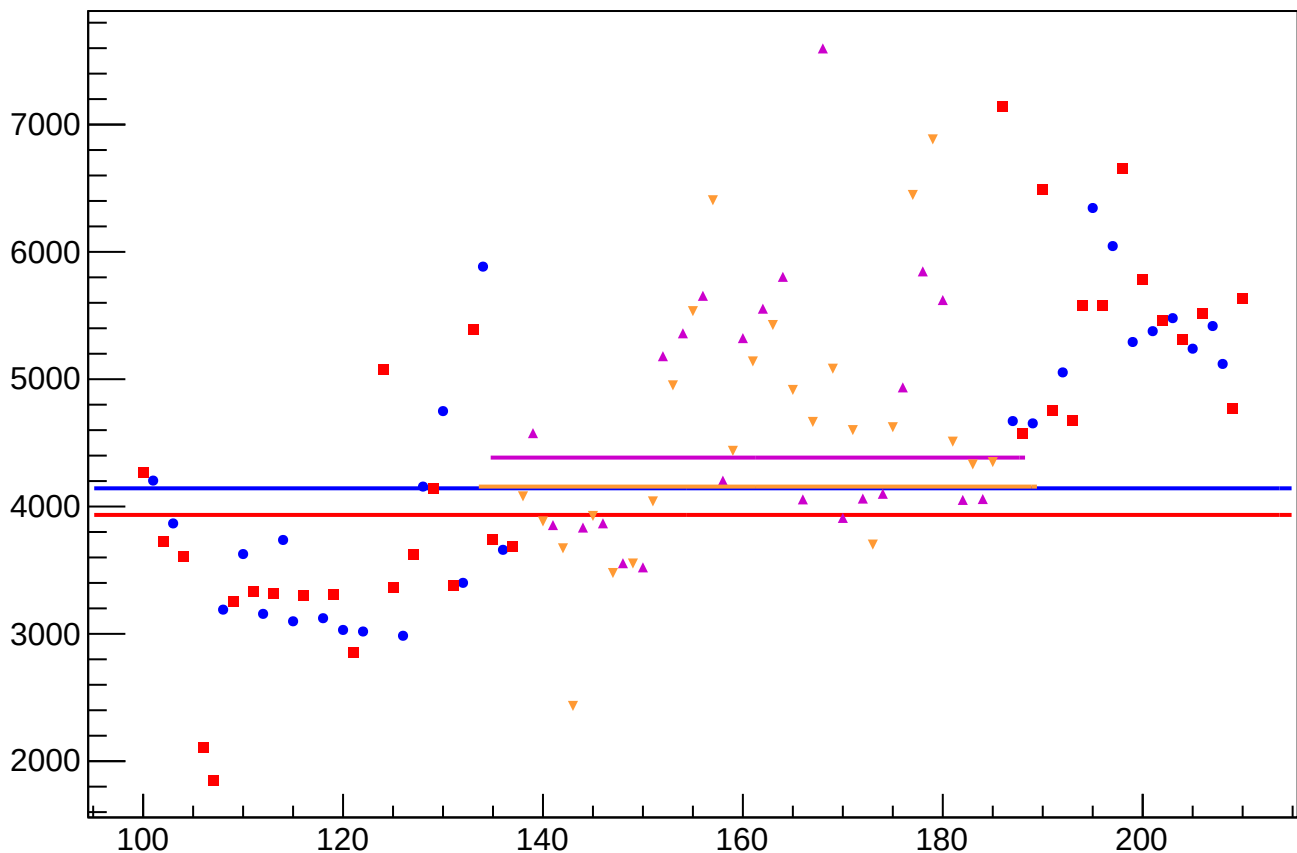
Left In: -159.452+/-1045.510 χ^2/NDF : 13.8/22

+ sign -25.222+/-723.091 χ^2/NDF : 57.0/51

All: -383.122+/-507.265 χ^2/NDF : 108.1/107

- sign -729.936+/-711.804 χ^2/NDF : 50.5/55

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 4143.082 $\pm$ 0.760 χ^2 /NDF: 1785243.1/26

Left Out: 4156.582 $\pm$ 0.691 χ^2 /NDF:2080766.1/24

Right Out: 3934.090 $\pm$ 0.687 χ^2 /NDF: 3271126.2/32

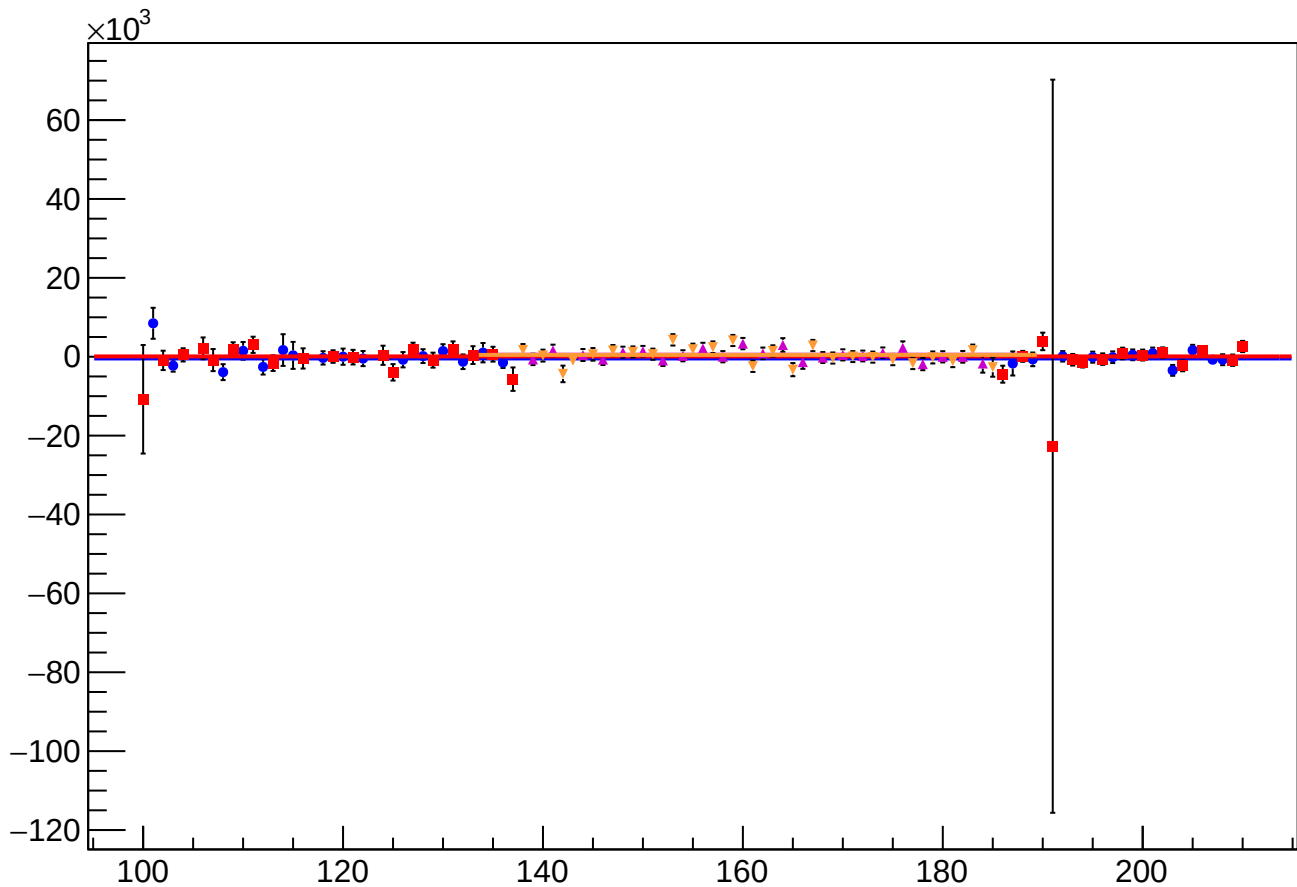
Left In: 4384.323 $\pm$ 0.739 χ^2 /NDF:1255470.8/22

+ sign 4150.473 $\pm$ 0.511 χ^2 /NDF: 3866181.9/51

All: 4146.566 $\pm$ 0.359 χ^2 /NDF: 8591871.7/10

- sign 4142.780 $\pm$ 0.503 χ^2 /NDF: 4725574.8/55

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -436.981 $\pm$ 328.073 χ^2 /NDF: 23.3/26

Left Out: 467.933 $\pm$ 294.257 χ^2 /NDF: 44.1/24

Right Out: 78.987 $\pm$ 310.702 χ^2 /NDF: 32.7/32

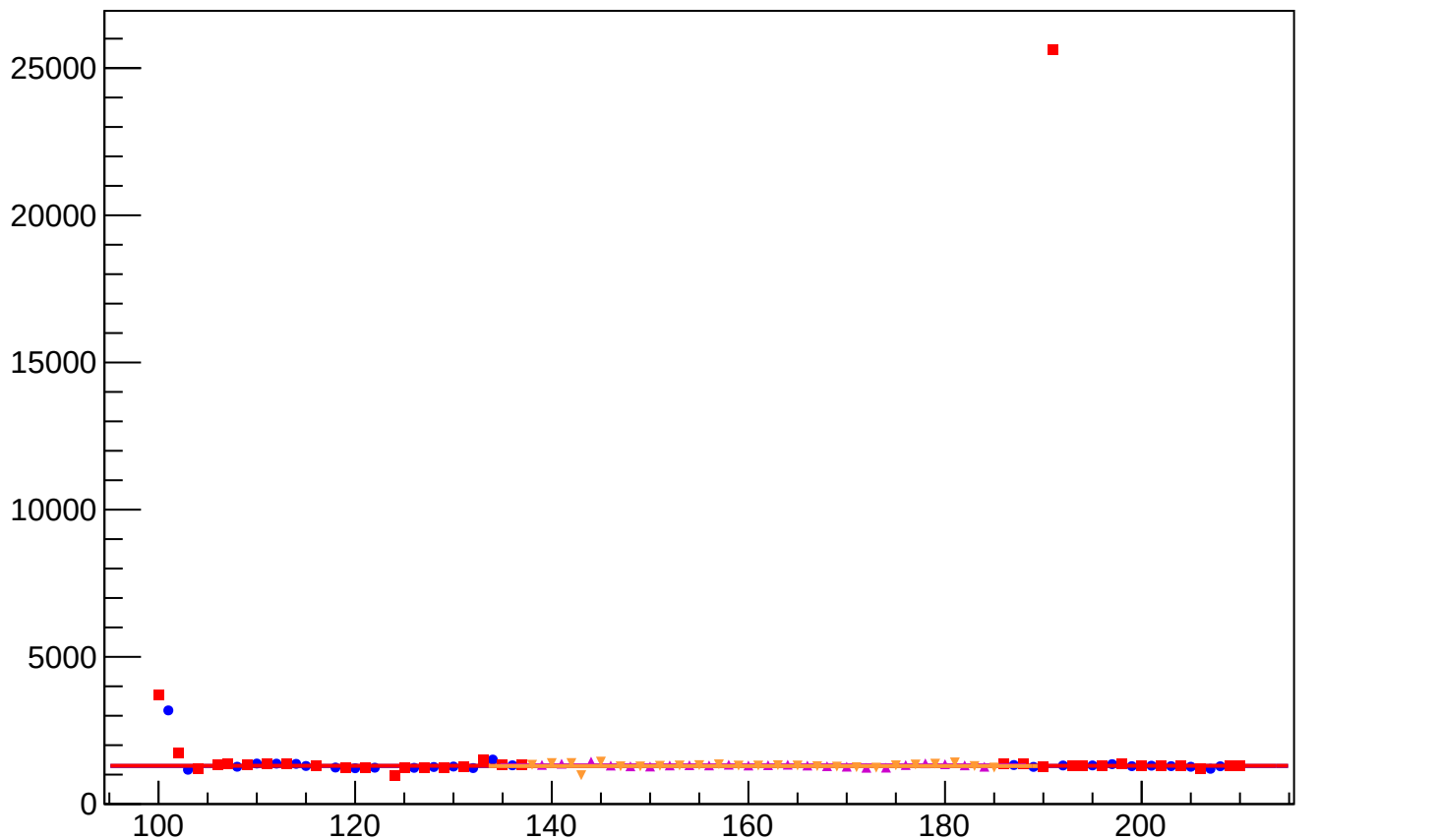
Left In: 503.558 $\pm$ 307.056 χ^2 /NDF: 17.4/22

+ sign 64.501 $\pm$ 219.054 χ^2 /NDF: 71.6/51

All: 179.483 $\pm$ 154.663 χ^2 /NDF: 123.2/107

- sign 293.779 $\pm$ 218.399 χ^2 /NDF: 51.0/55

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1293.910 $\pm$ 0.232 χ^2 /NDF: 528931.2/26

Left Out: 1291.212 $\pm$ 0.208 χ^2 /NDF: 230737.6/24

Right Out: 1300.541 $\pm$ 0.220 χ^2 /NDF: 378271.2/32

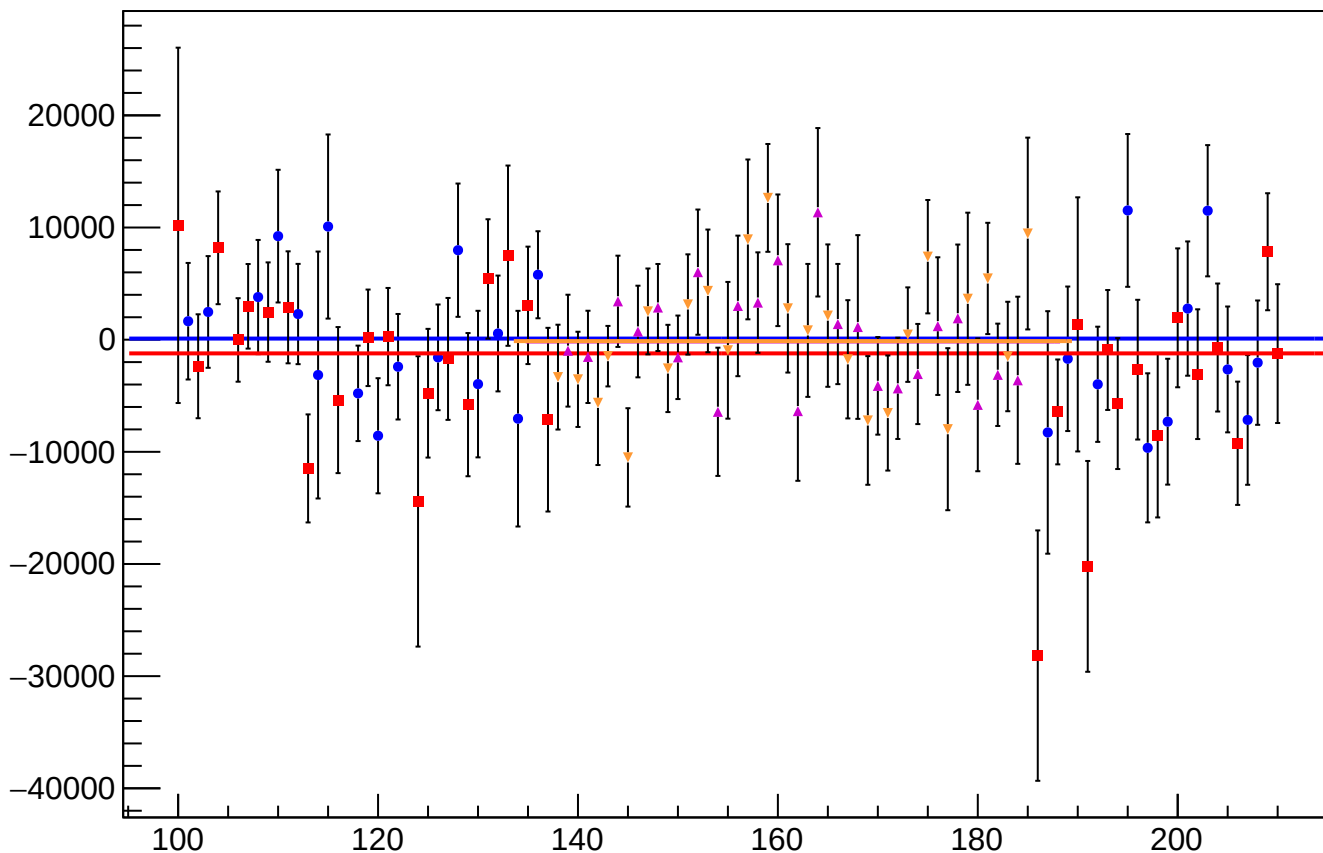
Left In: 1314.007 $\pm$ 0.217 χ^2 /NDF: 43046.8/22

+ sign 1292.415 $\pm$ 0.155 χ^2 /NDF: 759743.7/51

All: 1299.907 $\pm$ 0.109 χ^2 /NDF: 1187627.1/10

- sign 1307.351 $\pm$ 0.154 χ^2 /NDF: 423219.3/55

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: 98.254+/-1074.949 χ^2/NDF : 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF : 28.6/24

Right Out: -1222.822+/-971.812 χ^2/NDF : 36.2/32

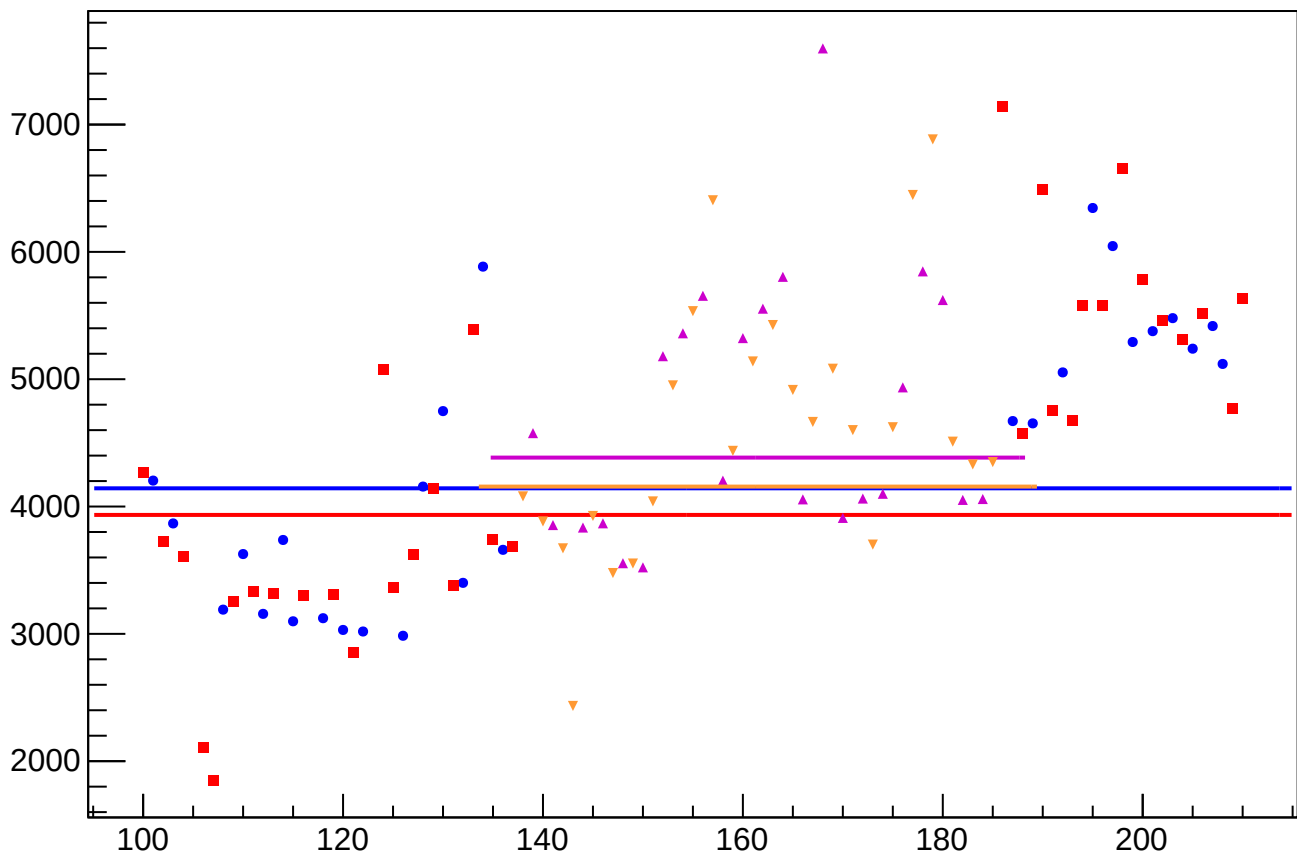
Left In: -159.454+/-1045.511 χ^2/NDF : 13.8/22

+ sign -25.223+/-723.091 χ^2/NDF : 57.0/51

All: -383.121+/-507.265 χ^2/NDF : 108.1/107

- sign -729.934+/-711.805 χ^2/NDF : 50.5/55

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 4143.076 $\pm$ 0.760 χ^2 /NDF: 1785274.0/26

Left Out: 4156.588 $\pm$ 0.691 χ^2 /NDF:2080769.0/24

Right Out: 3934.084 $\pm$ 0.687 χ^2 /NDF: 3271158.9/32

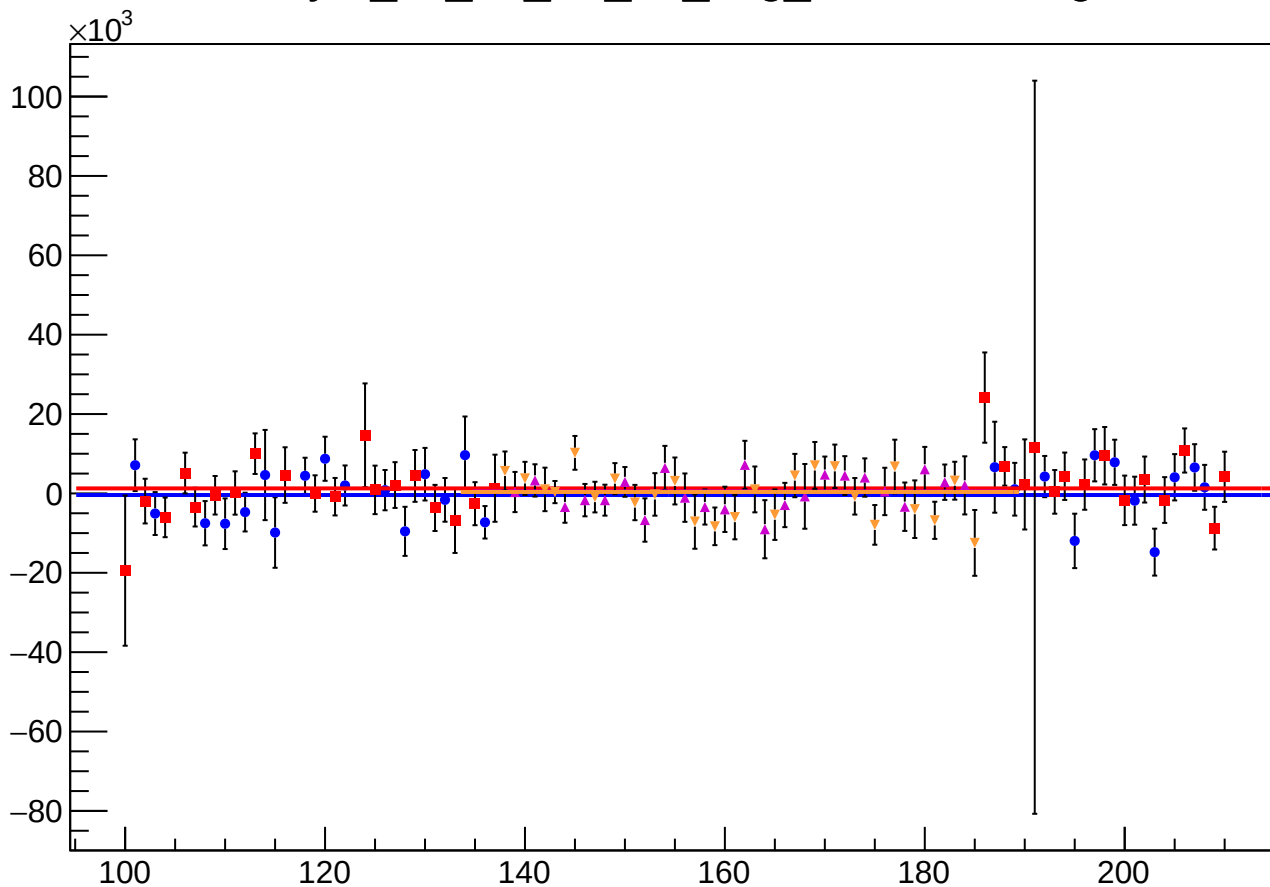
Left In: 4384.329 $\pm$ 0.739 χ^2 /NDF:1255475.0/22

+ sign 4150.474 $\pm$ 0.511 χ^2 /NDF: 3866216.0/51

All: 4146.566 $\pm$ 0.359 χ^2 /NDF: 8591953.8/10

- sign 4142.780 $\pm$ 0.503 χ^2 /NDF: 4725622.8/55

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -403.476 ± 1135.087 χ^2/NDF : 34.5/26

Left Out: 362.528 ± 979.860 χ^2/NDF : 27.7/24

Right Out: 1265.657 ± 1053.627 χ^2/NDF : 26.5/32

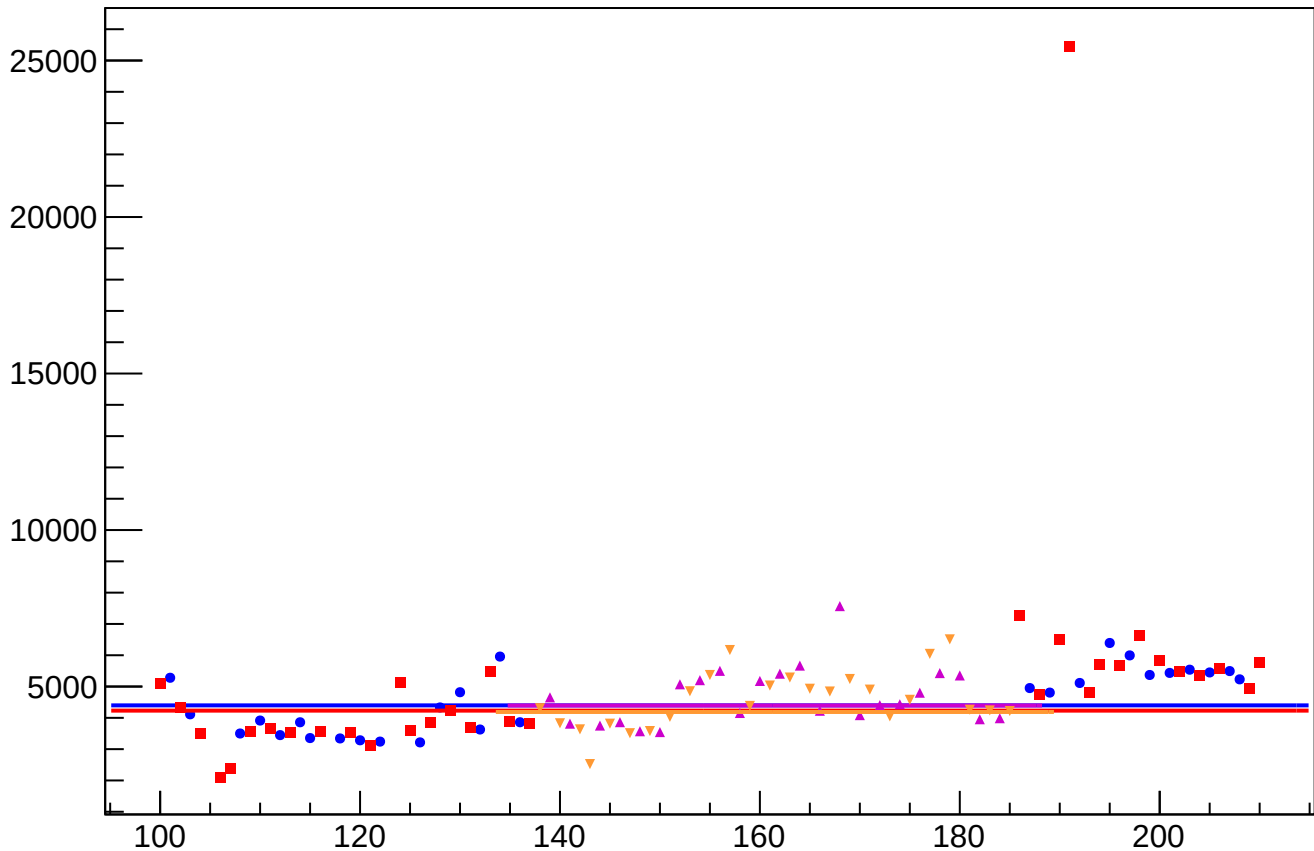
Left In: 497.522 ± 1044.707 χ^2/NDF : 13.9/22

+ sign 35.446 ± 741.724 χ^2/NDF : 62.5/51

All: 456.811 ± 524.524 χ^2/NDF : 103.8/107

- sign 878.324 ± 741.853 χ^2/NDF : 40.7/55

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4398.565+/-0.803 χ^2/NDF : 1456003.4/26

Left Out: 4187.848+/-0.693 χ^2/NDF : 1796345.9/24

Right Out: 4230.980+/-0.739 χ^2/NDF : 2610927.4/32

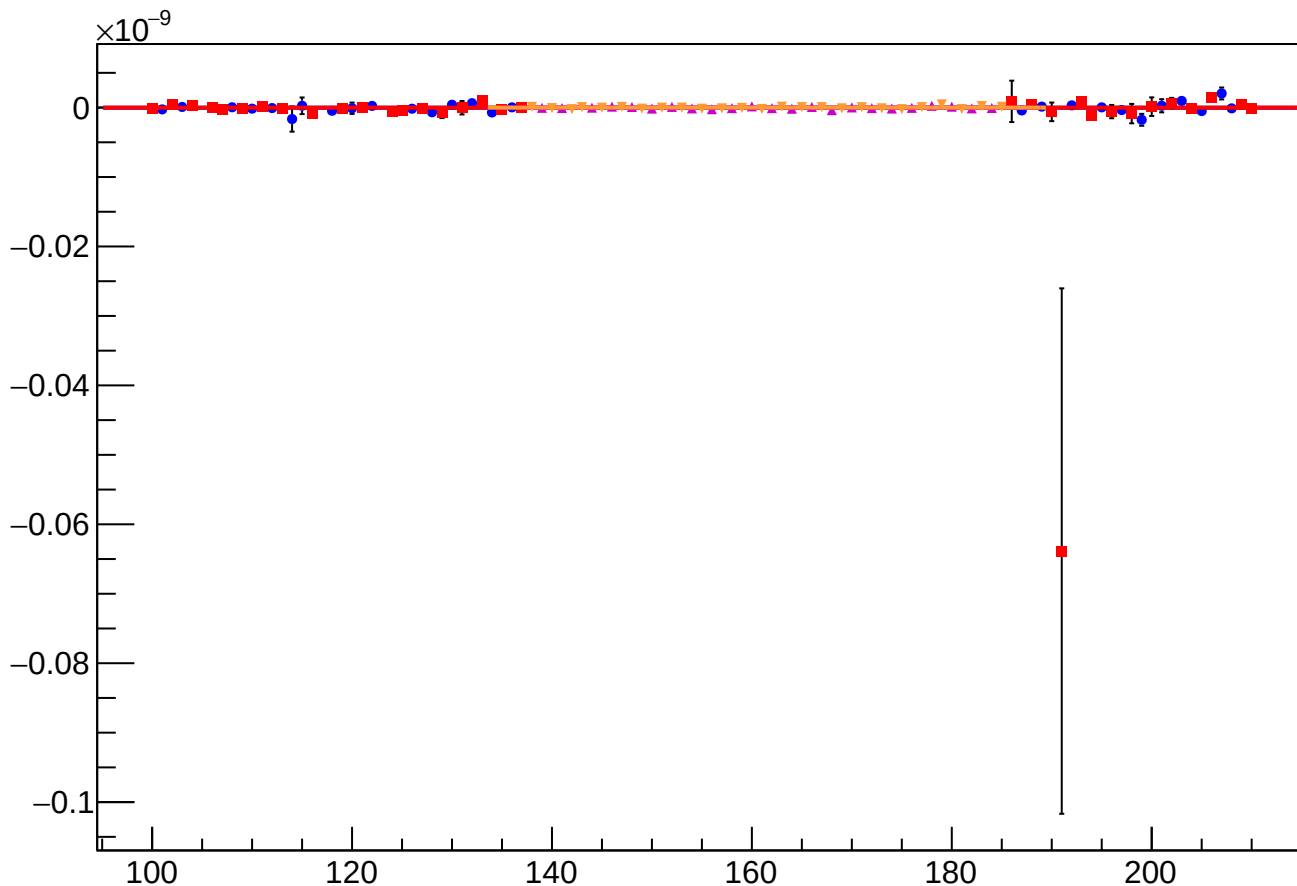
Left In: 4394.324+/-0.739 χ^2/NDF : 1088394.9/22

+ sign 4277.825+/-0.524 χ^2/NDF : 3291843.3/51

All: 4295.306+/-0.370 χ^2/NDF : 7017827.0/10

- sign 4312.646+/-0.522 χ^2/NDF : 3723770.7/55

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2 /NDF:30.5/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 34.0/32

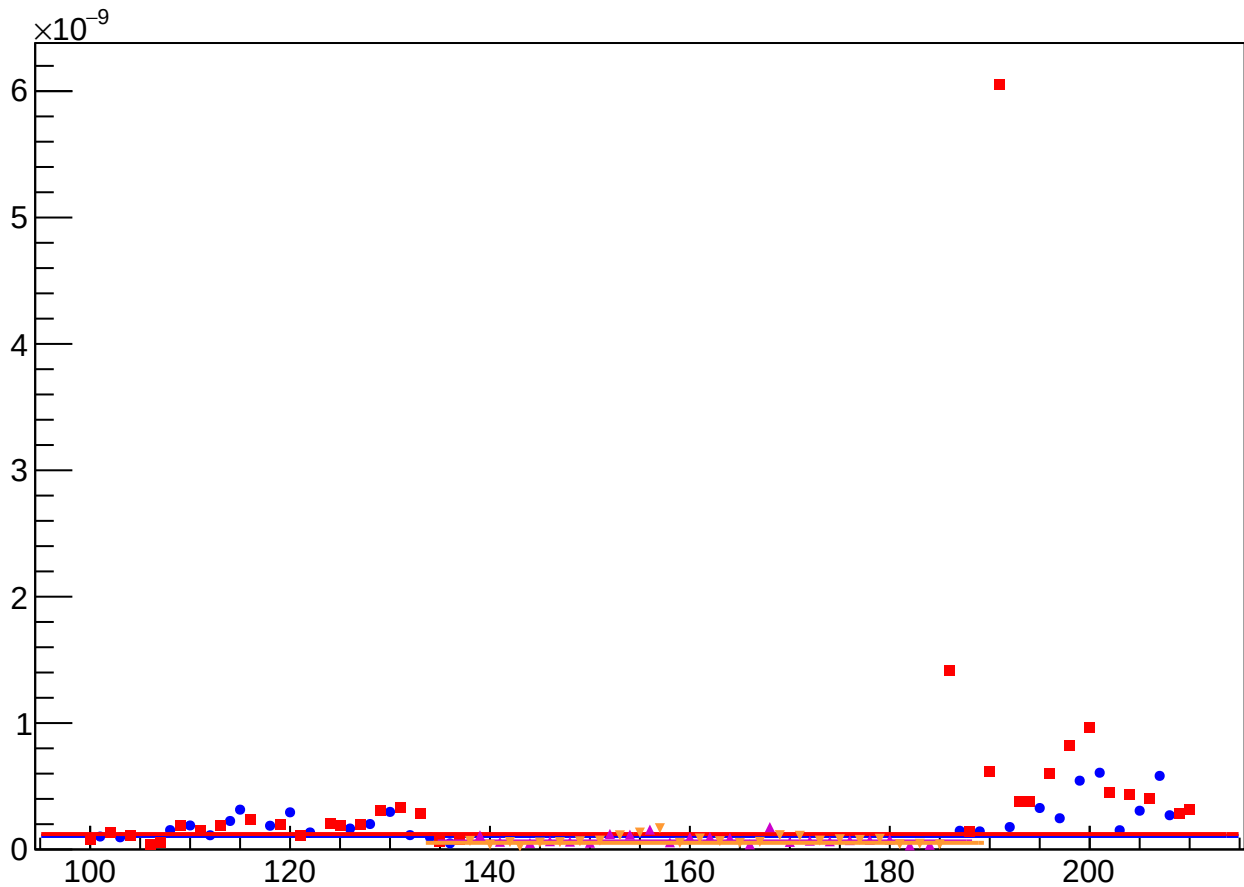
Left In: -0.000+/-0.000 χ^2 /NDF:17.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 64.9/51

All: -0.000+/-0.000 χ^2 /NDF: 116.1/107

- sign -0.000+/-0.000 χ^2 /NDF: 51.0/55

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4277731.5/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2628519.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6903744.1/32

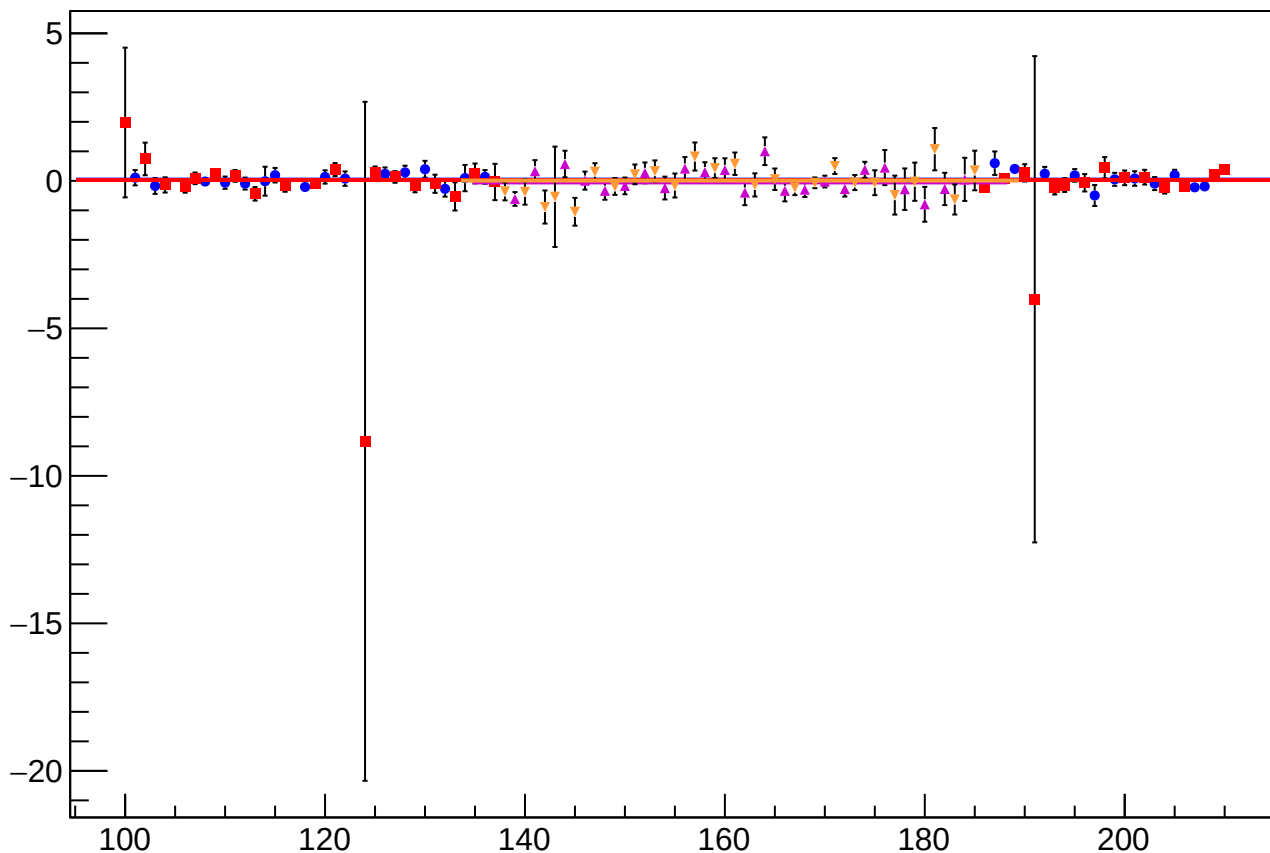
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1788279.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8562393.4/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 19177365.0/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10291343.2/55

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.042 ± 0.042 χ^2/NDF : 26.7/26

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.028 ± 0.037 χ^2/NDF : 39.8/32

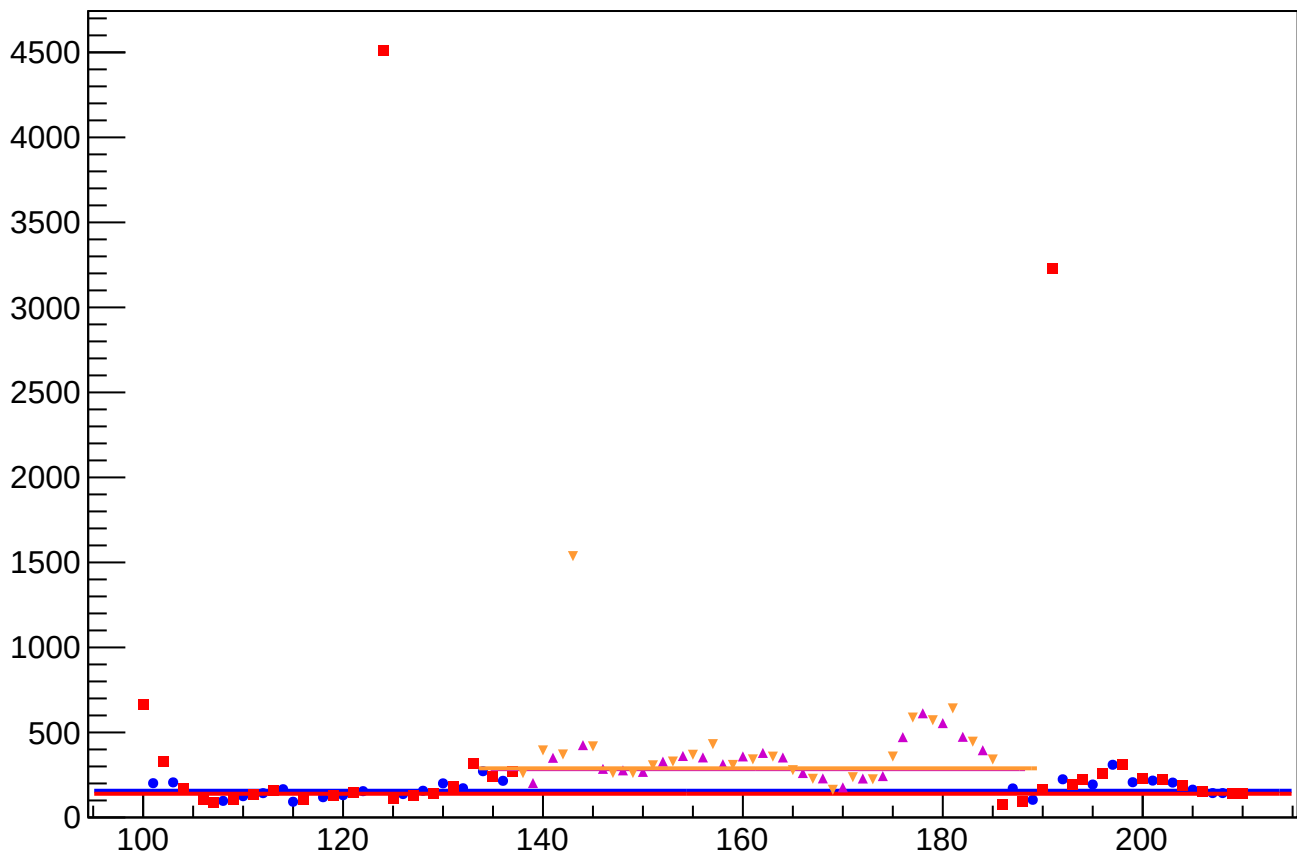
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.033 ± 0.036 χ^2/NDF : 55.8/51

All: 0.021 ± 0.024 χ^2/NDF : 124.6/107

- sign 0.011 ± 0.032 χ^2/NDF : 68.6/55

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 157.039+/-0.030 χ^2/NDF : 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 139.371+/-0.026 χ^2/NDF : 4675066.3/32

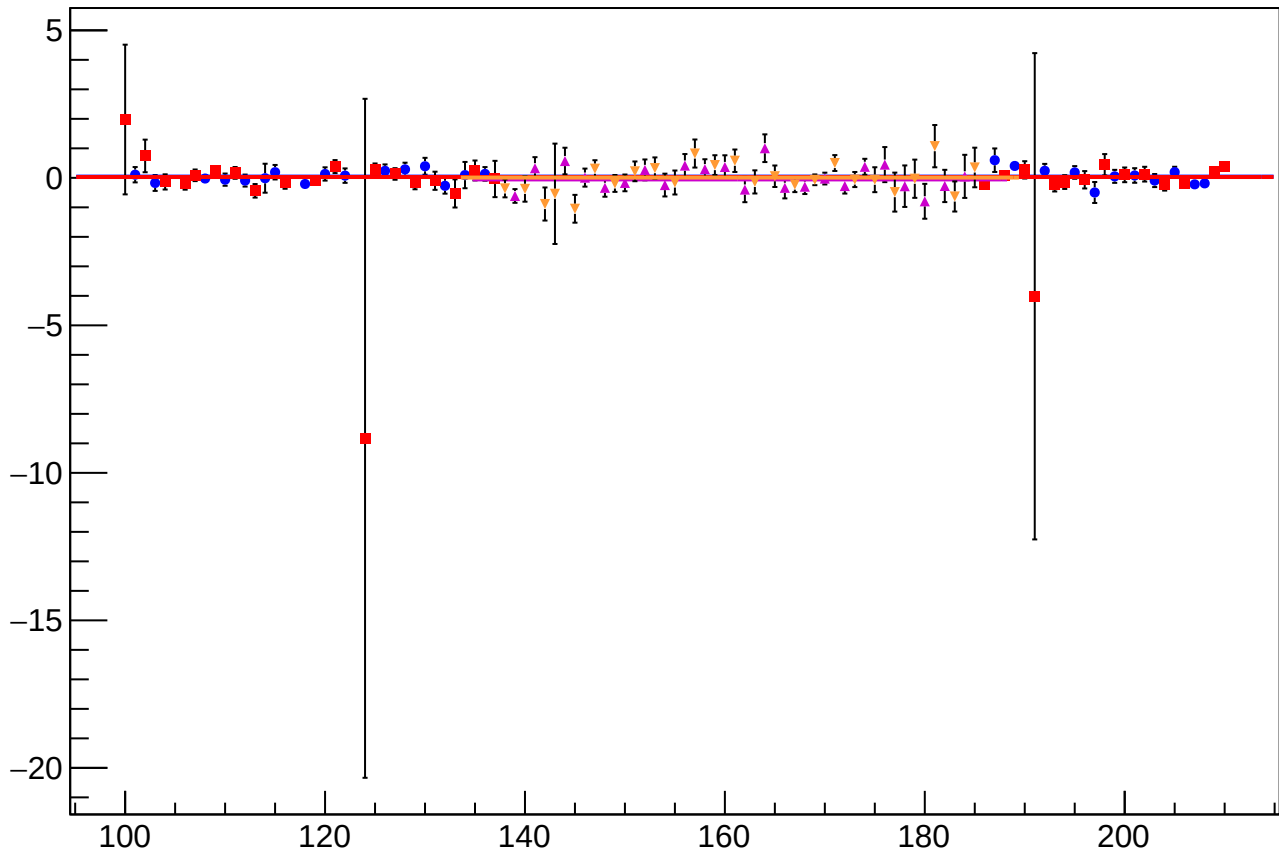
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF : 12013966.7/51

All: 179.477+/-0.017 χ^2/NDF : 26809042.7/10

- sign 170.076+/-0.023 χ^2/NDF : 14418235.8/55

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042 ± 0.042 χ^2/NDF : 26.7/26

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.028 ± 0.037 χ^2/NDF : 39.8/32

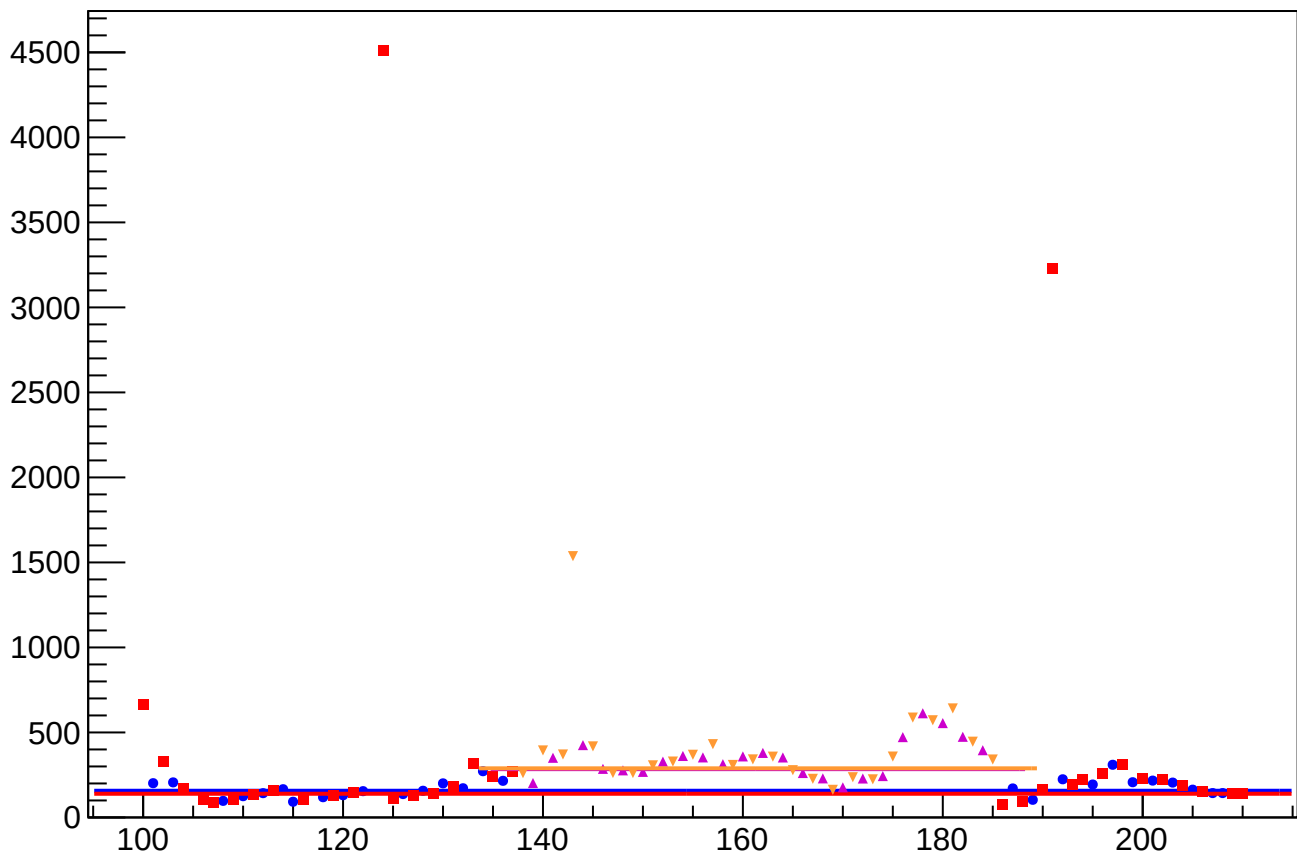
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.033 ± 0.036 χ^2/NDF : 55.8/51

All: 0.021 ± 0.024 χ^2/NDF : 124.6/107

- sign 0.011 ± 0.032 χ^2/NDF : 68.6/55

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 157.039 $\pm$ 0.030 χ^2 /NDF: 2252194.5/26

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648197.0/24

Right Out: 139.371 $\pm$ 0.026 χ^2 /NDF: 4675066.3/32

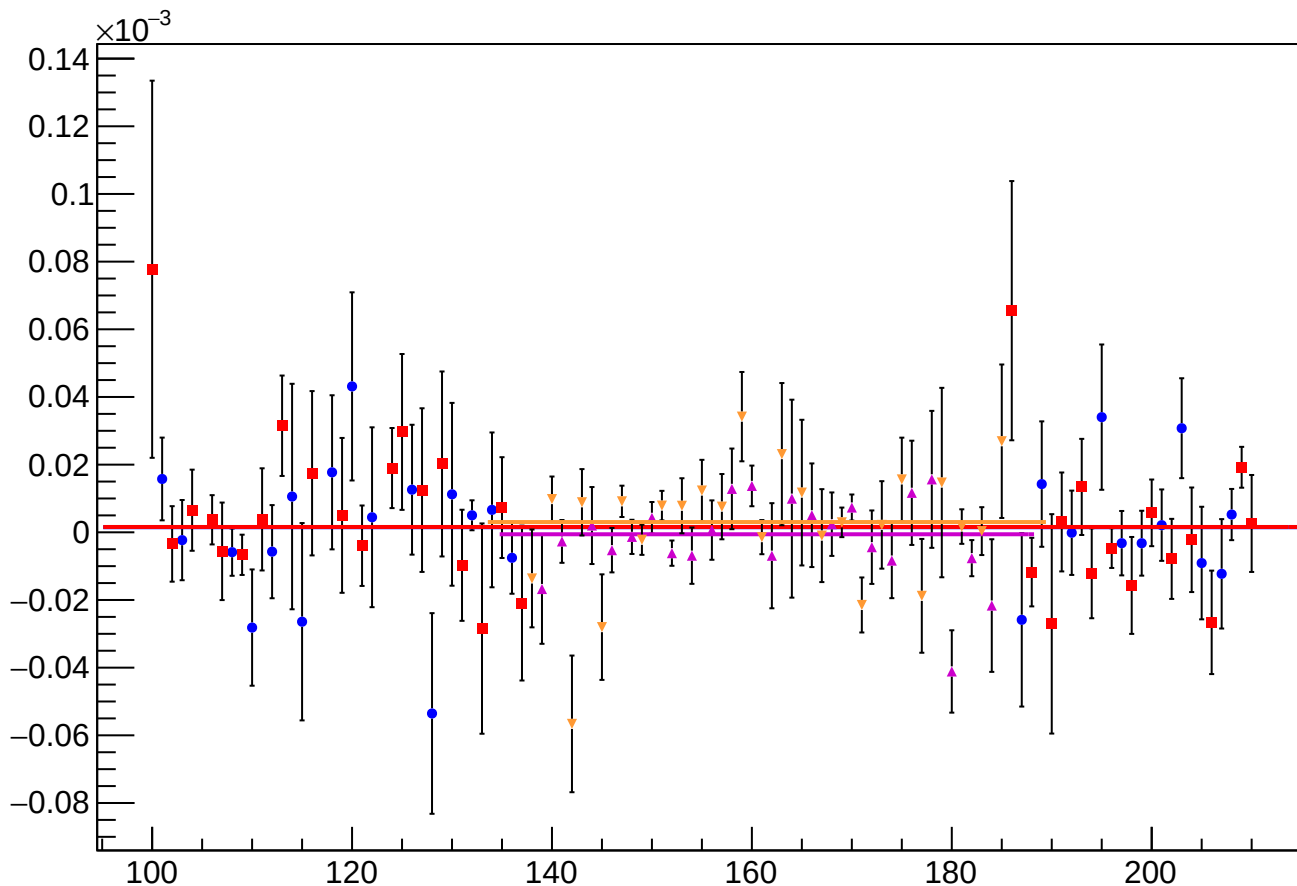
Left In: 284.168 $\pm$ 0.050 χ^2 /NDF: 3077521.1/22

+ sign 191.142 $\pm$ 0.026 χ^2 /NDF: 12013966.7/51

All: 179.477 $\pm$ 0.017 χ^2 /NDF: 26809042.7/10

- sign 170.076 $\pm$ 0.023 χ^2 /NDF: 14418235.8/55

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.6/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:42.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.5/32

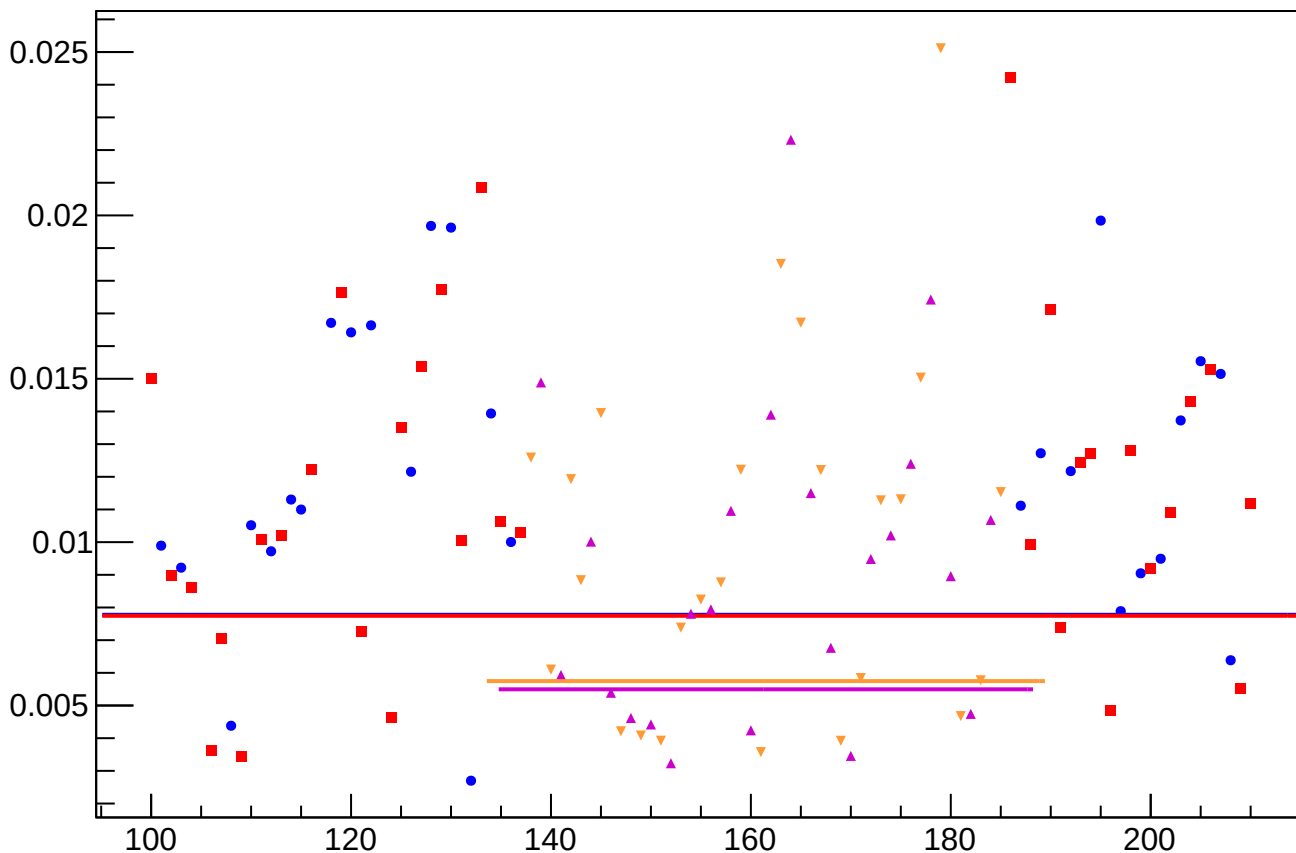
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:33.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67.2/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 141.4/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 72.4/55

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7487309.9/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:8128513.8/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 6826417.1/32

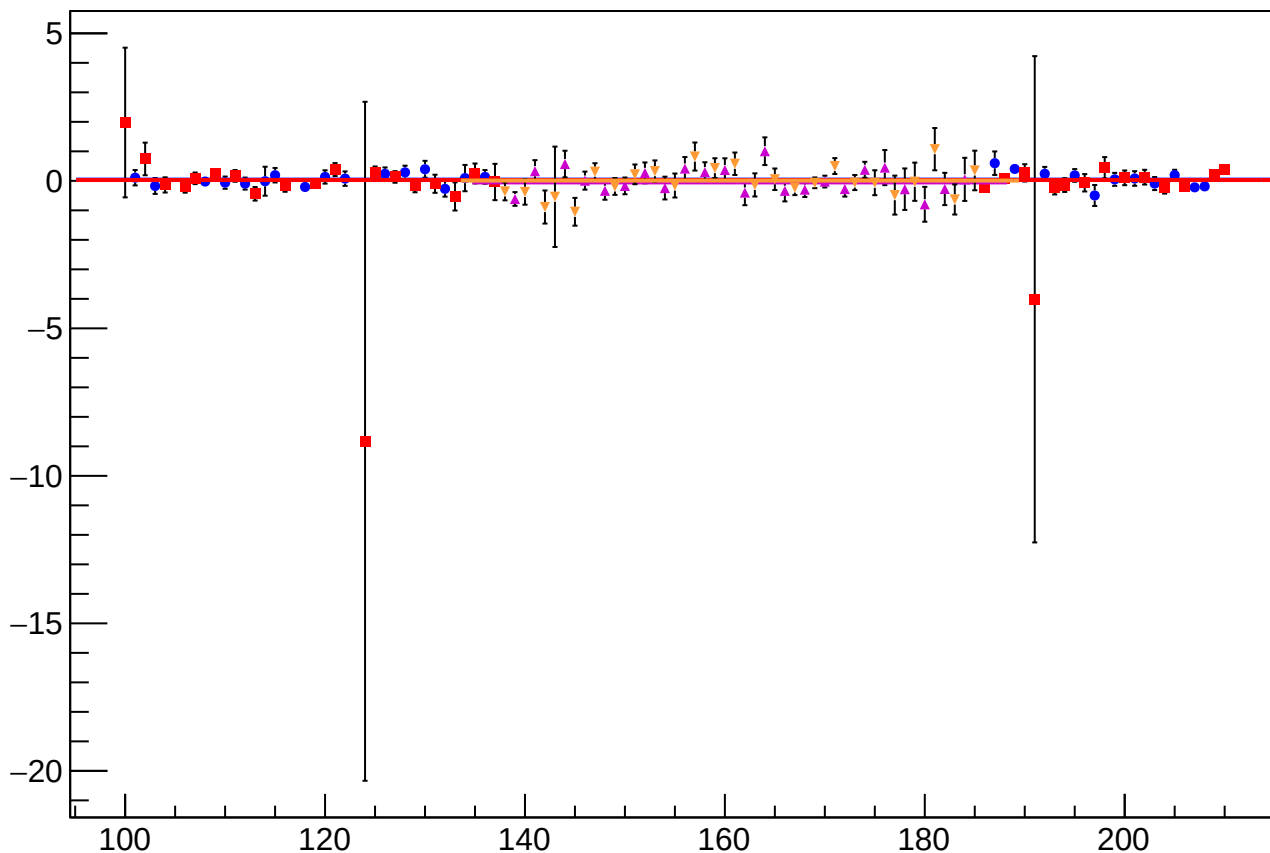
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:6937299.0/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 16702957.4/51

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 31991497.7/107

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 15282559.7/55

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.042 $\pm$ 0.042 χ^2 /NDF: 26.7/26

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.028 $\pm$ 0.037 χ^2 /NDF: 39.8/32

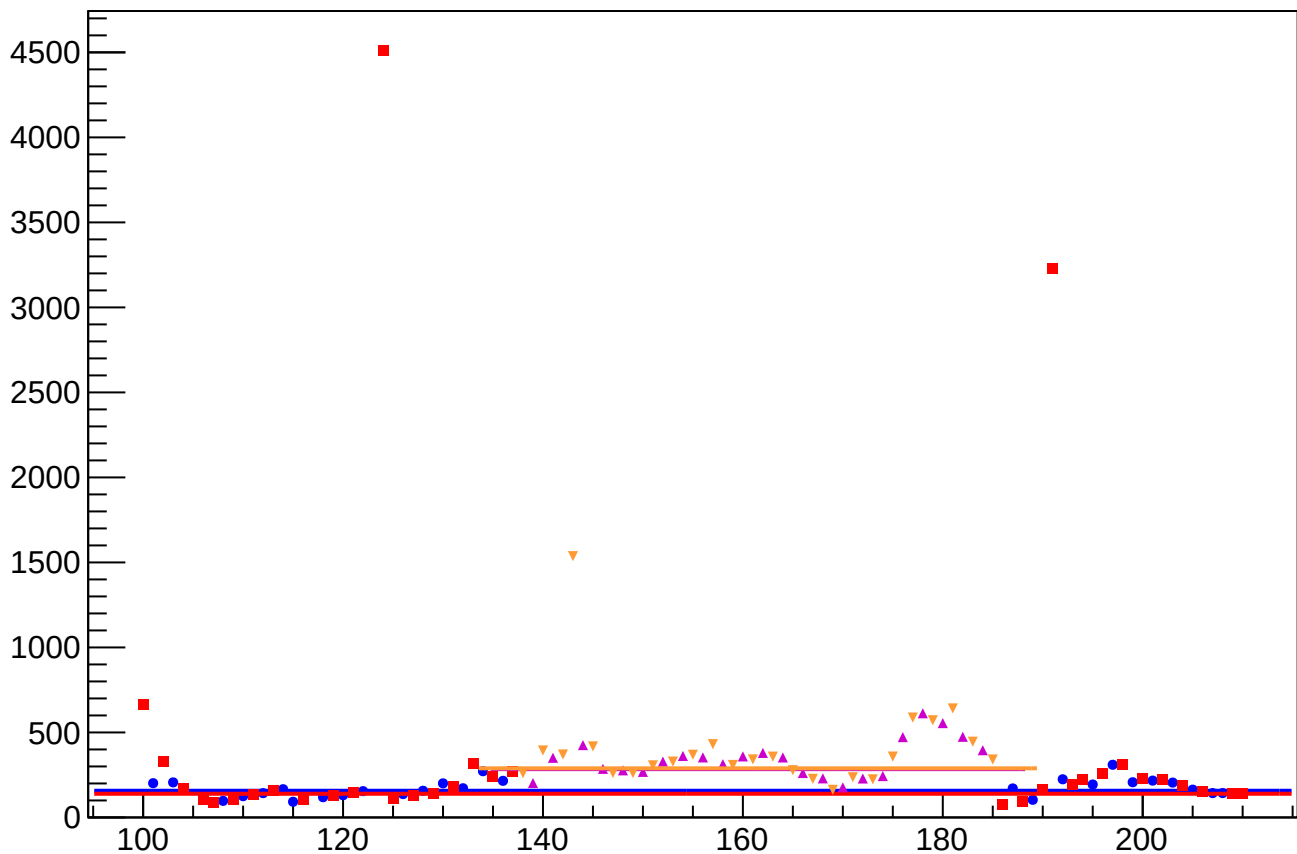
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.033 $\pm$ 0.036 χ^2 /NDF: 55.8/51

All: 0.021 $\pm$ 0.024 χ^2 /NDF: 124.6/107

- sign 0.011 $\pm$ 0.032 χ^2 /NDF: 68.6/55

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 157.039 $\pm$ 0.030 χ^2 /NDF: 2252184.2/26

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648388.8/24

Right Out: 139.373 $\pm$ 0.026 χ^2 /NDF: 4674905.7/32

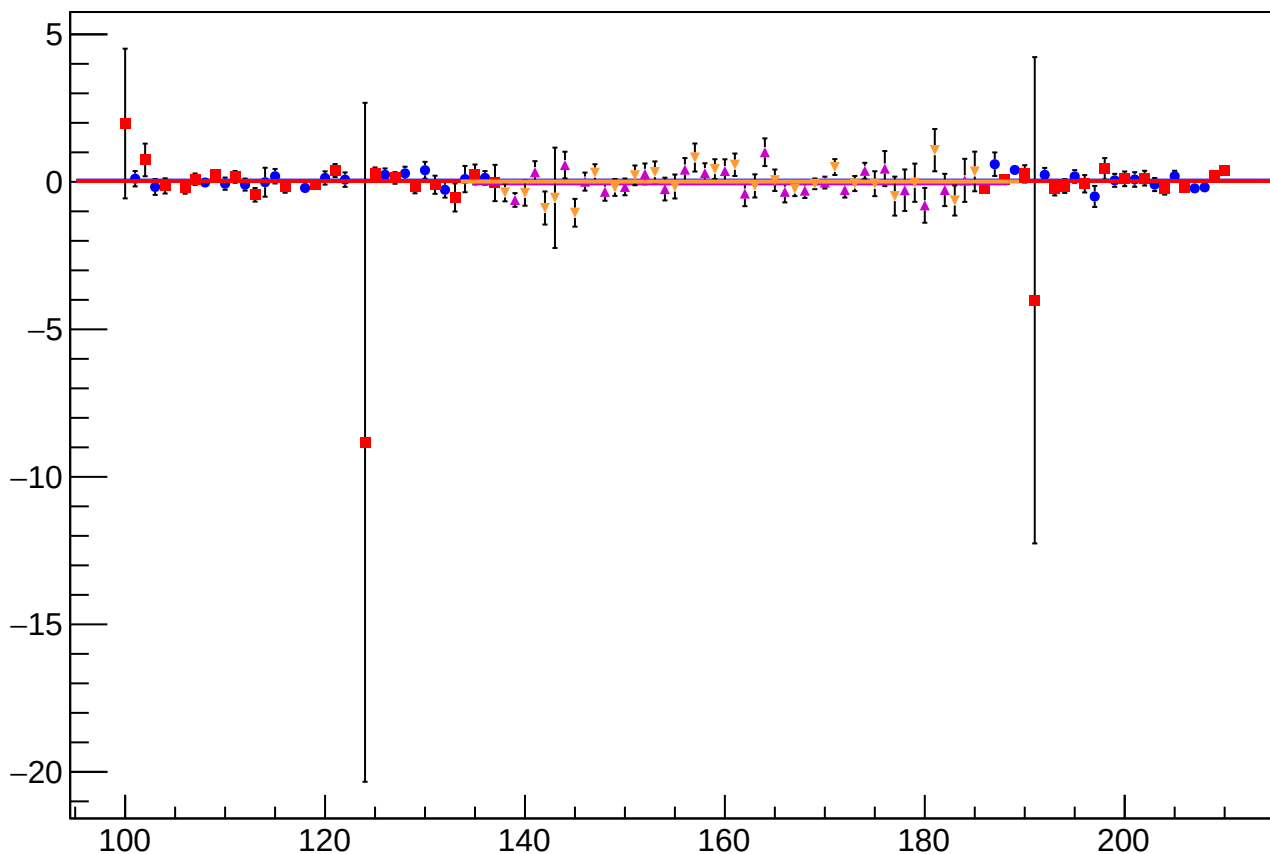
Left In: 284.170 $\pm$ 0.050 χ^2 /NDF: 3077626.7/22

+ sign 191.142 $\pm$ 0.026 χ^2 /NDF: 12014123.2/51

All: 179.478 $\pm$ 0.017 χ^2 /NDF: 26808956.5/10

- sign 170.078 $\pm$ 0.023 χ^2 /NDF: 14418060.8/55

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042 $\pm$ 0.042 χ^2 /NDF: 26.7/26

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.028 $\pm$ 0.037 χ^2 /NDF: 39.8/32

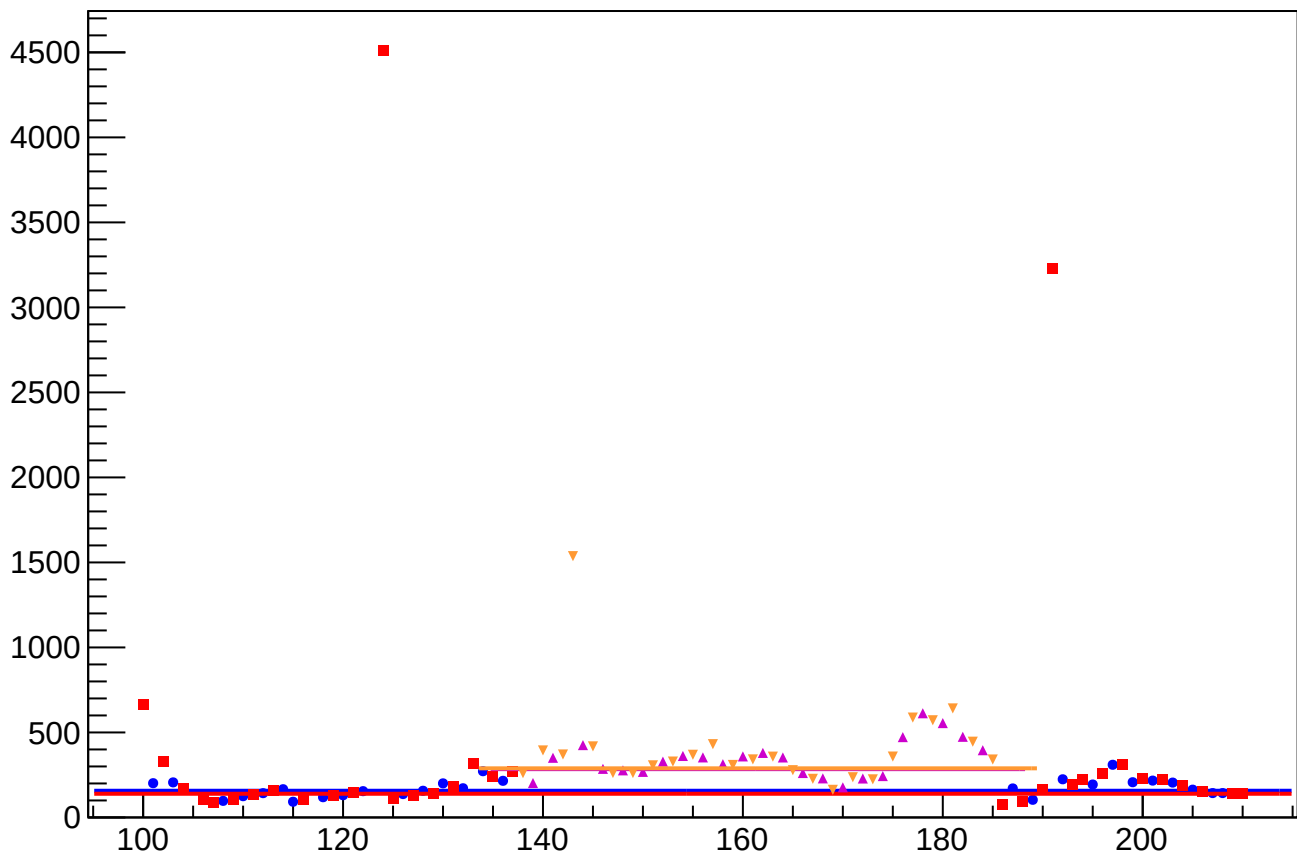
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.033 $\pm$ 0.036 χ^2 /NDF: 55.8/51

All: 0.021 $\pm$ 0.024 χ^2 /NDF: 124.6/107

- sign 0.011 $\pm$ 0.032 χ^2 /NDF: 68.6/55

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 157.039+/-0.030 χ^2/NDF : 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 139.373+/-0.026 χ^2/NDF : 4674905.7/32

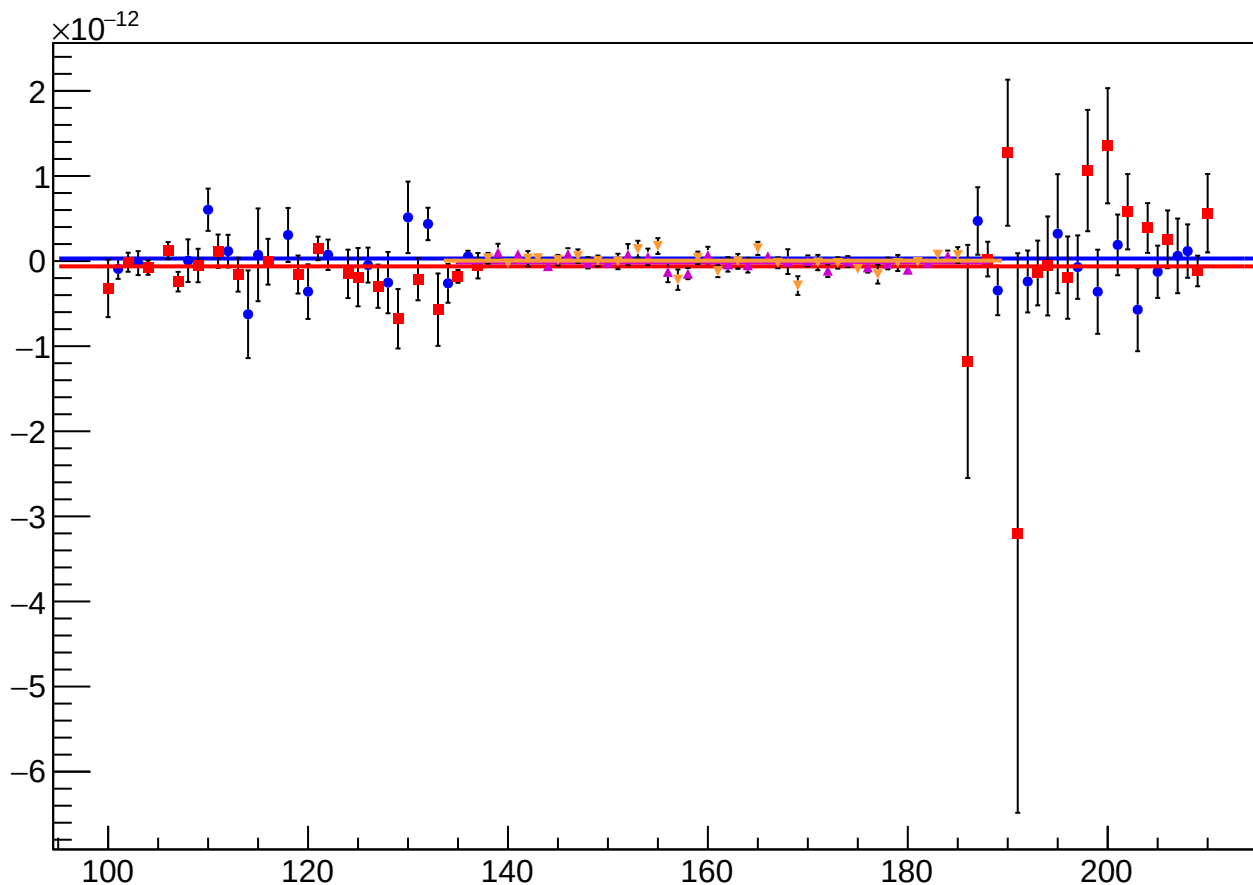
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF : 12014123.2/51

All: 179.478+/-0.017 χ^2/NDF : 26808956.5/10

- sign 170.078+/-0.023 χ^2/NDF : 14418060.8/55

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.1/32

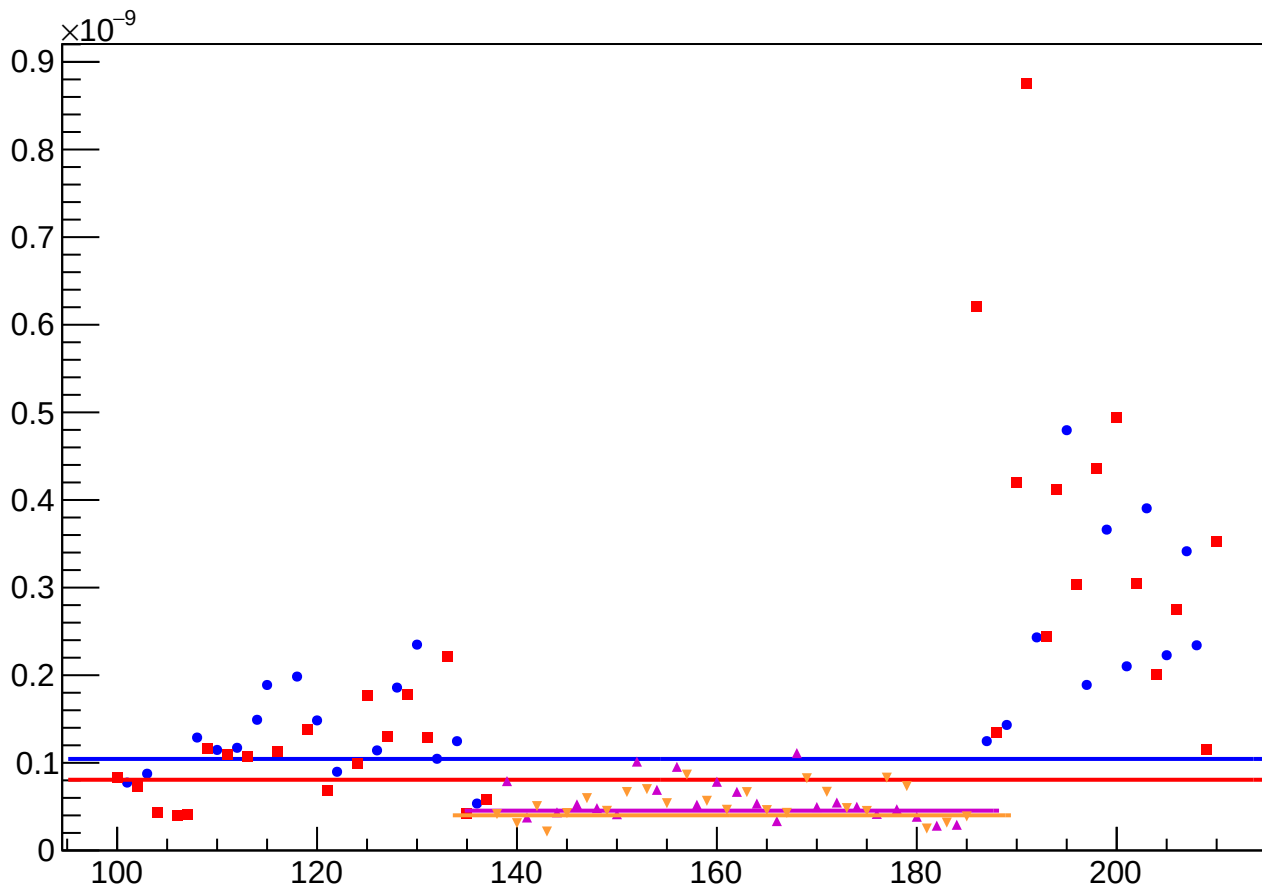
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:23.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 60.0/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 125.1/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.2/55

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8402337.2/32

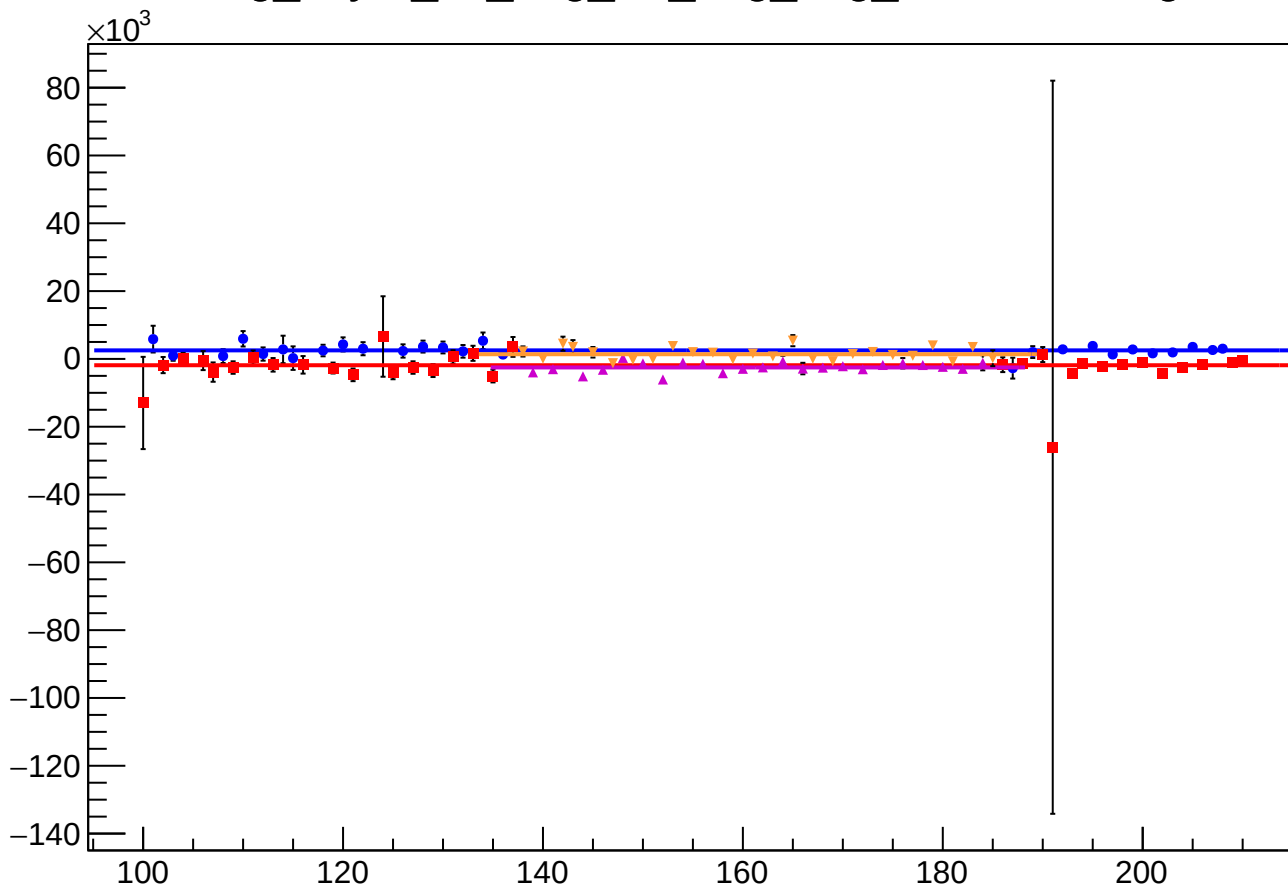
Left In: 0.000+/-0.000 χ^2/NDF : 2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 13918679.3/51

All: 0.000+/-0.000 χ^2/NDF : 27303141.3/107

- sign 0.000+/-0.000 χ^2/NDF : 13207014.5/55

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2520.248 ± 328.260 χ^2/NDF : 14.9/26

Left Out: 1383.252 ± 292.777 χ^2/NDF : 32.9/24

Right Out: -1864.212 ± 312.948 χ^2/NDF : 29.5/32

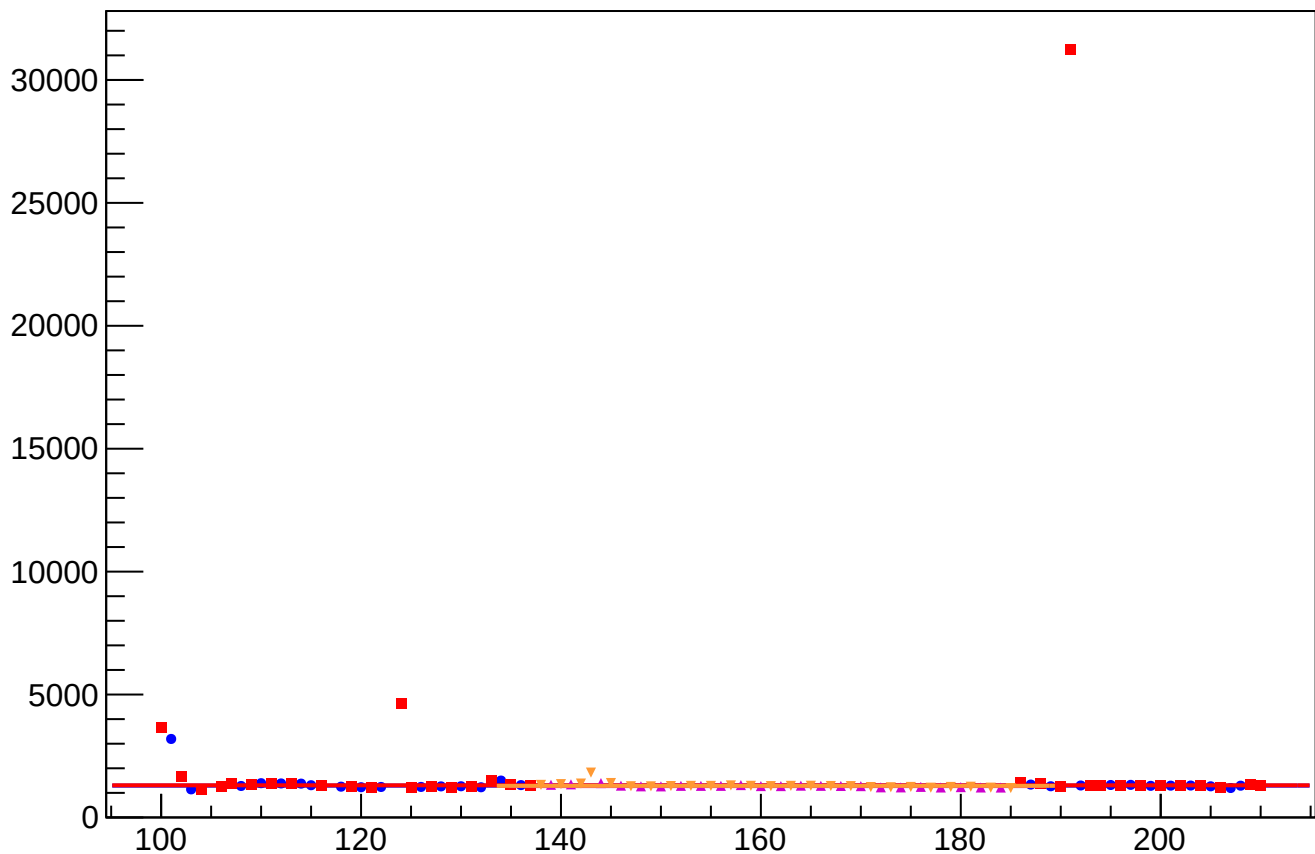
Left In: -2519.365 ± 298.095 χ^2/NDF : 22.5/22

+ sign 1886.999 ± 218.496 χ^2/NDF : 54.5/51

All: -185.346 ± 153.554 χ^2/NDF : 286.5/107

- sign -2207.704 ± 215.845 χ^2/NDF : 54.3/55

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1294.607 $\pm$ 0.232 χ^2 /NDF: 532239.9/26

Left Out: 1285.649 $\pm$ 0.207 χ^2 /NDF: 191027.3/24

Right Out: 1307.513 $\pm$ 0.221 χ^2 /NDF: 505904.4/32

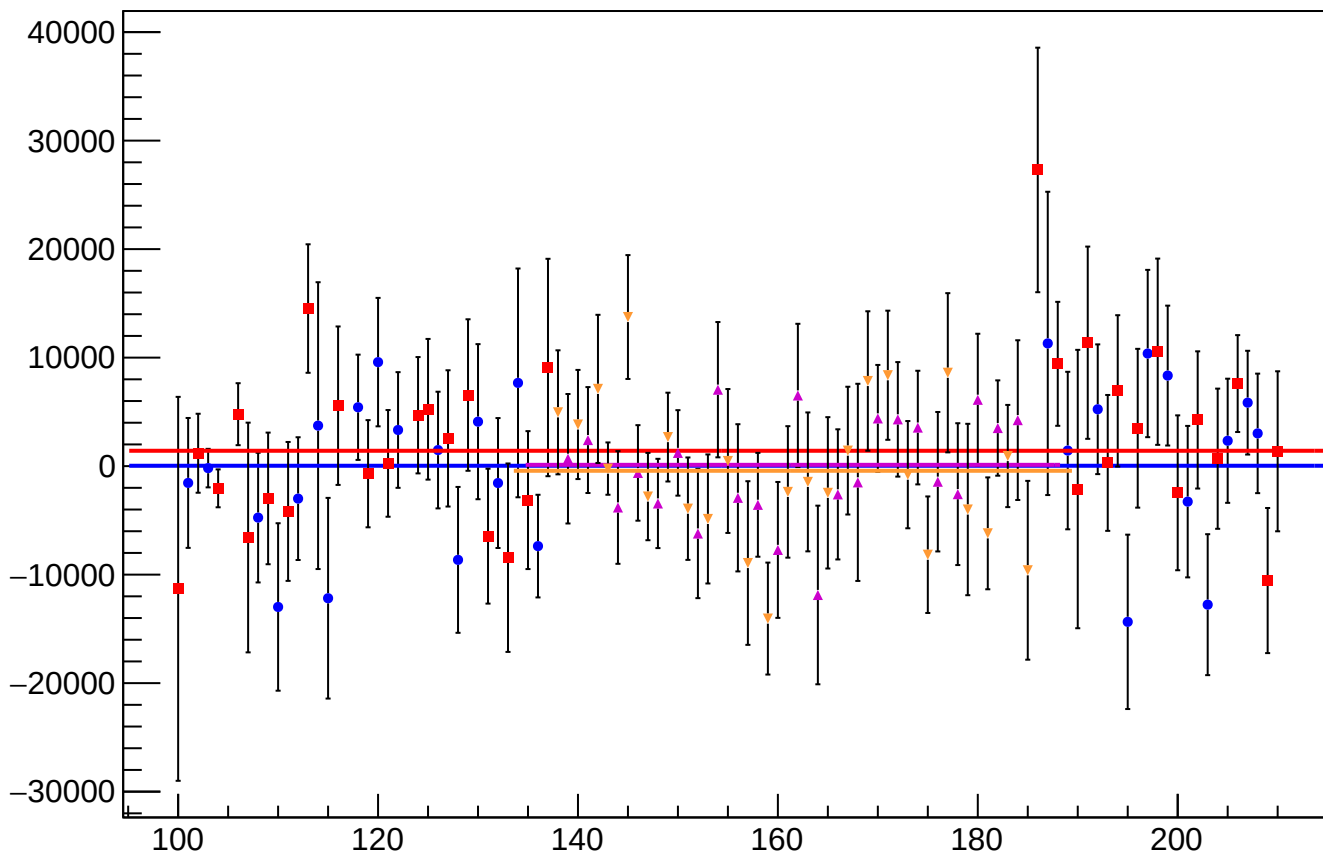
Left In: 1275.941 $\pm$ 0.211 χ^2 /NDF: 41399.0/22

+ sign 1289.618 $\pm$ 0.155 χ^2 /NDF: 724096.7/51

All: 1290.306 $\pm$ 0.109 χ^2 /NDF: 1282124.2/100

- sign 1290.977 $\pm$ 0.153 χ^2 /NDF: 557988.3/55

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug



Right In: 34.314+/-1019.173 χ^2/NDF : 29.2/26

Left Out: -428.530+/-1038.038 χ^2/NDF : 29.8/24

Right Out: 1415.868+/-915.597 χ^2/NDF : 34.5/32

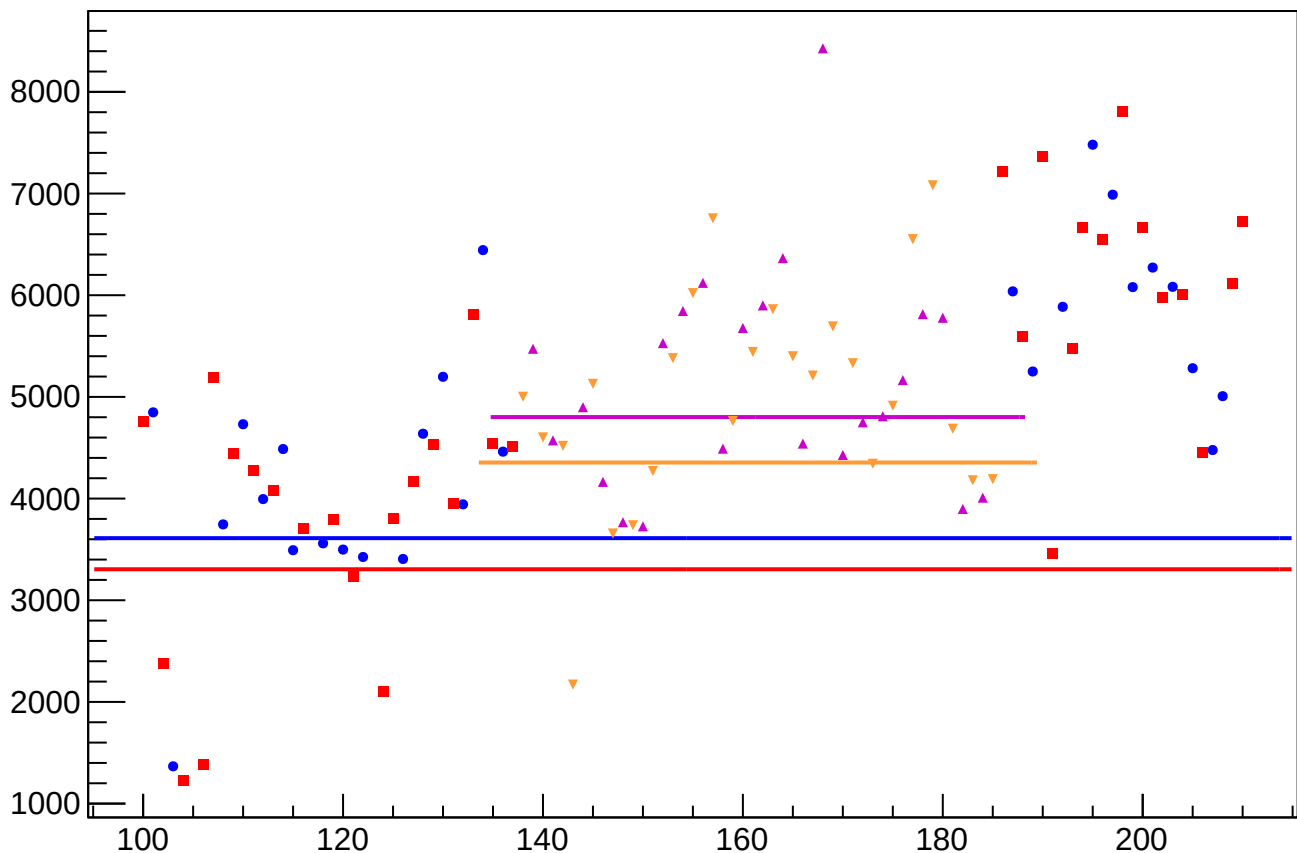
Left In: 119.335+/-1144.695 χ^2/NDF : 13.6/22

+ sign -192.864+/-727.242 χ^2/NDF : 59.1/51

All: 367.927+/-509.858 χ^2/NDF : 109.2/107

- sign 910.011+/-715.010 χ^2/NDF : 48.9/55

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



Right In: 3610.718 $\pm$ 0.721 χ^2/NDF : 6247457.6/26

Left Out: 4354.526 $\pm$ 0.734 χ^2/NDF : 3071436.3/24

Right Out: 3304.837 $\pm$ 0.647 χ^2/NDF : 9098588.4/32

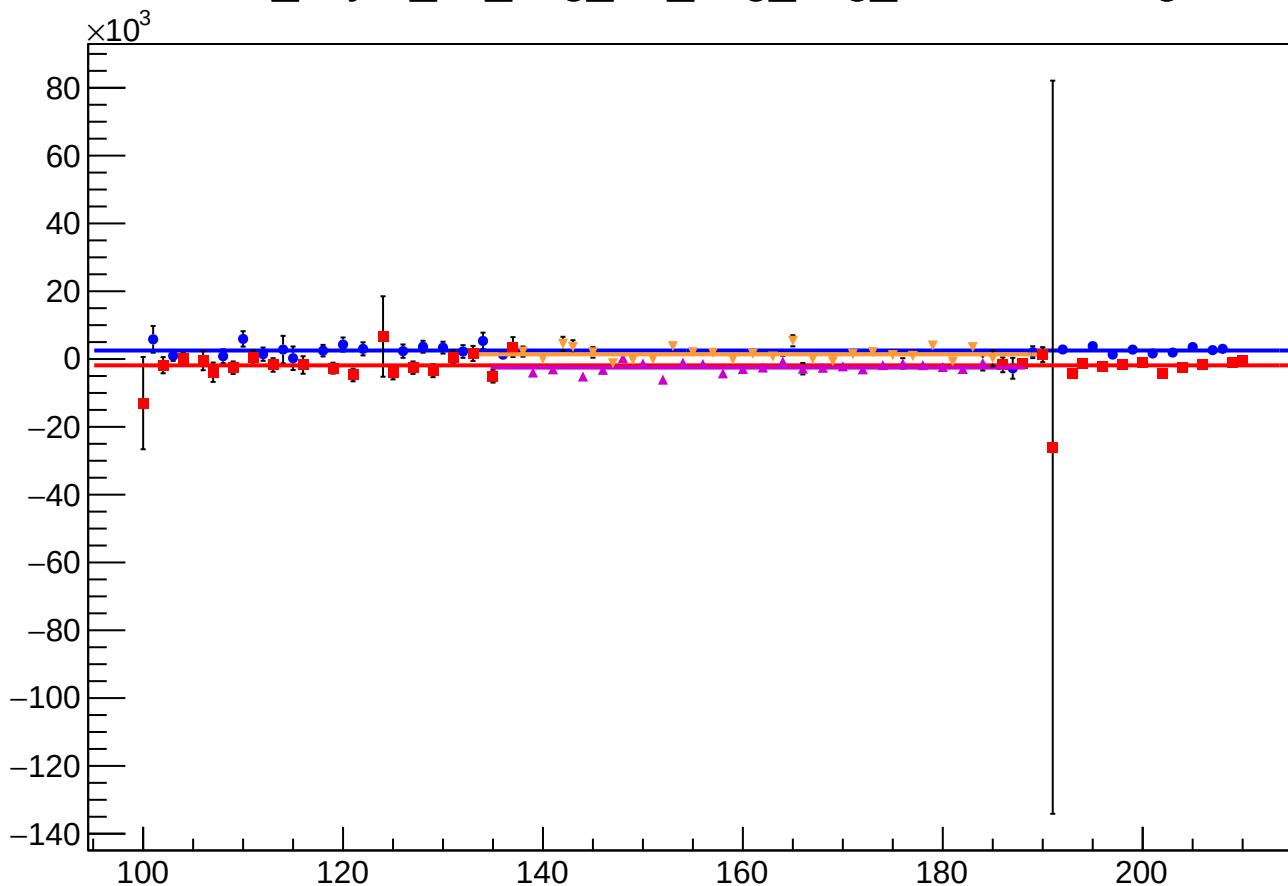
Left In: 4801.573 $\pm$ 0.809 χ^2/NDF : 1231883.2/22

+ sign 3975.802 $\pm$ 0.514 χ^2/NDF : 9841757.4/51

All: 3931.565 $\pm$ 0.361 χ^2/NDF : 22272021.8/1

- sign 3888.805 $\pm$ 0.506 χ^2/NDF : 12415711.3/55

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2520.173 $\pm$ 328.260 χ^2 /NDF: 14.9/26

Left Out: 1383.188 $\pm$ 292.777 χ^2 /NDF: 32.9/24

Right Out: -1864.130 $\pm$ 312.948 χ^2 /NDF: 29.5/32

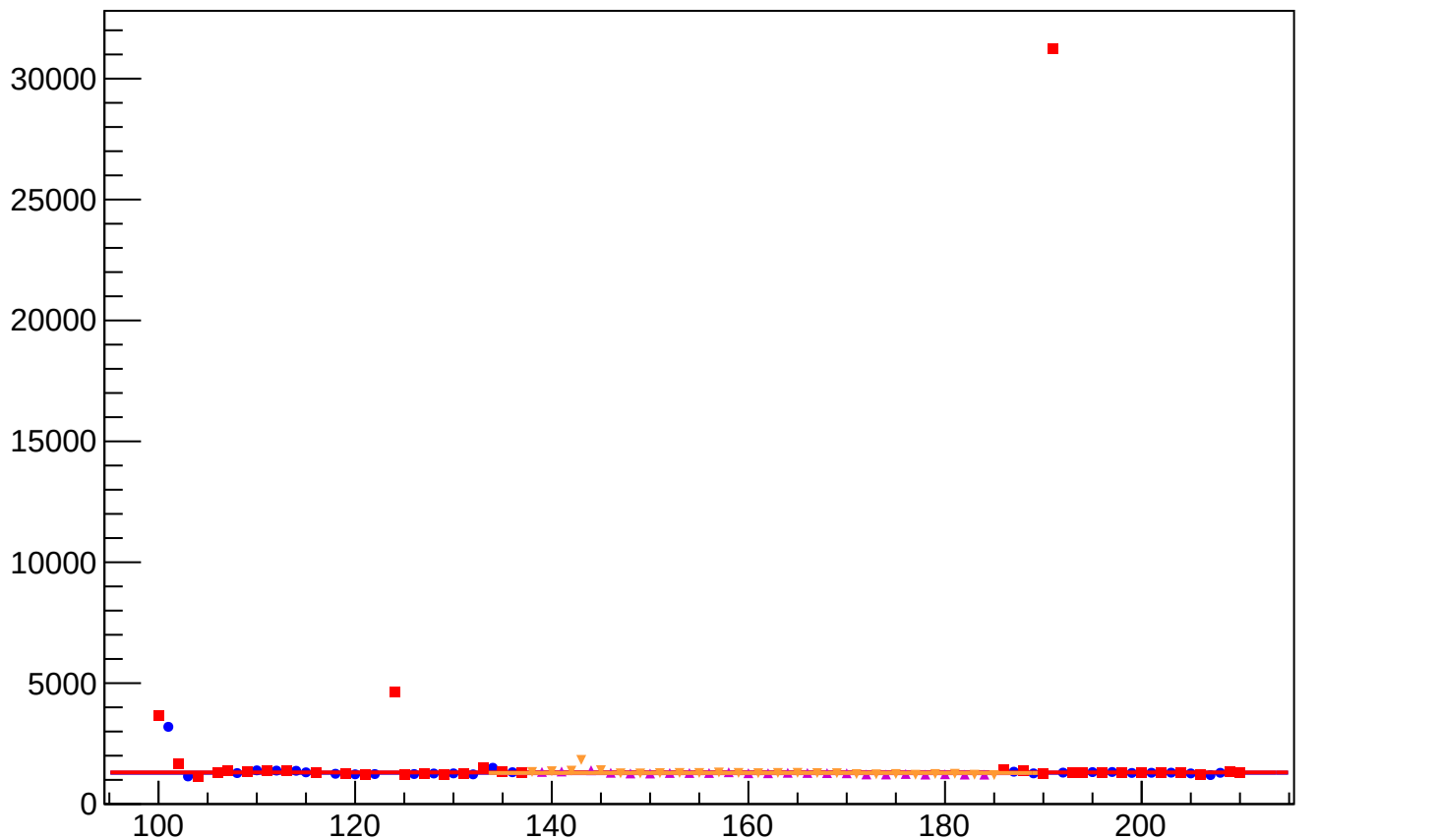
Left In: -2519.366 $\pm$ 298.095 χ^2 /NDF: 22.5/22

+ sign 1886.930 $\pm$ 218.496 χ^2 /NDF: 54.5/51

All: -185.361 $\pm$ 153.554 χ^2 /NDF: 286.5/107

- sign -2207.665 $\pm$ 215.845 χ^2 /NDF: 54.3/55

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1294.607+/-0.232 χ^2/NDF : 532241.4/26

Left Out: 1285.649+/-0.207 χ^2/NDF : 191027.3/24

Right Out: 1307.961+/-0.221 χ^2/NDF : 505573.8/32

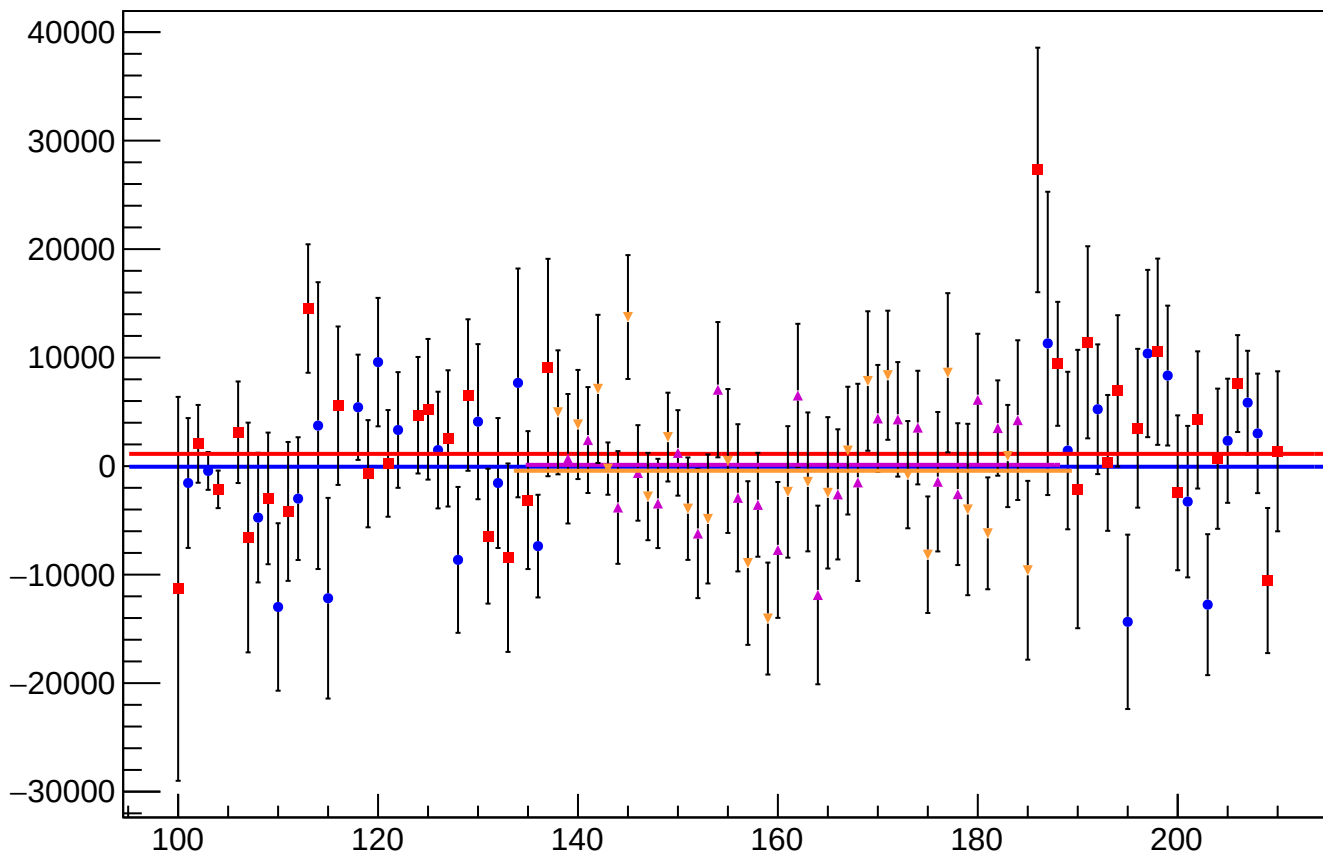
Left In: 1275.941+/-0.211 χ^2/NDF : 41399.0/22

+ sign 1289.618+/-0.155 χ^2/NDF : 724098.1/51

All: 1290.411+/-0.109 χ^2/NDF : 1282109.3/10

- sign 1291.185+/-0.153 χ^2/NDF : 557959.1/55

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug



Right In: -56.739 ± 1012.645 χ^2/NDF : 29.2/26

Left Out: -428.525 ± 1038.036 χ^2/NDF : 29.8/24

Right Out: 1130.144 ± 943.094 χ^2/NDF : 33.5/32

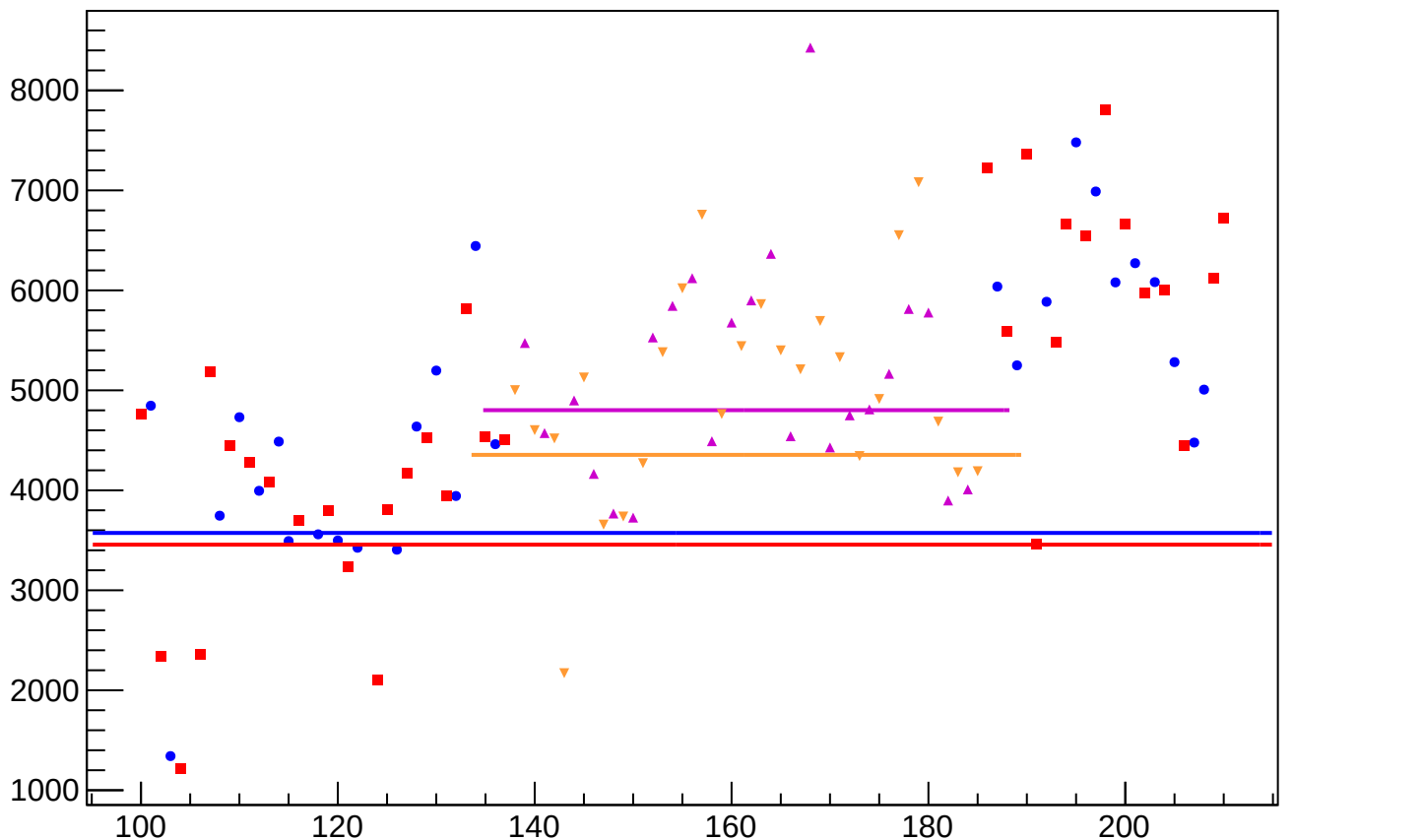
Left In: 119.307 ± 1144.695 χ^2/NDF : 13.6/22

+ sign -238.029 ± 724.858 χ^2/NDF : 59.1/51

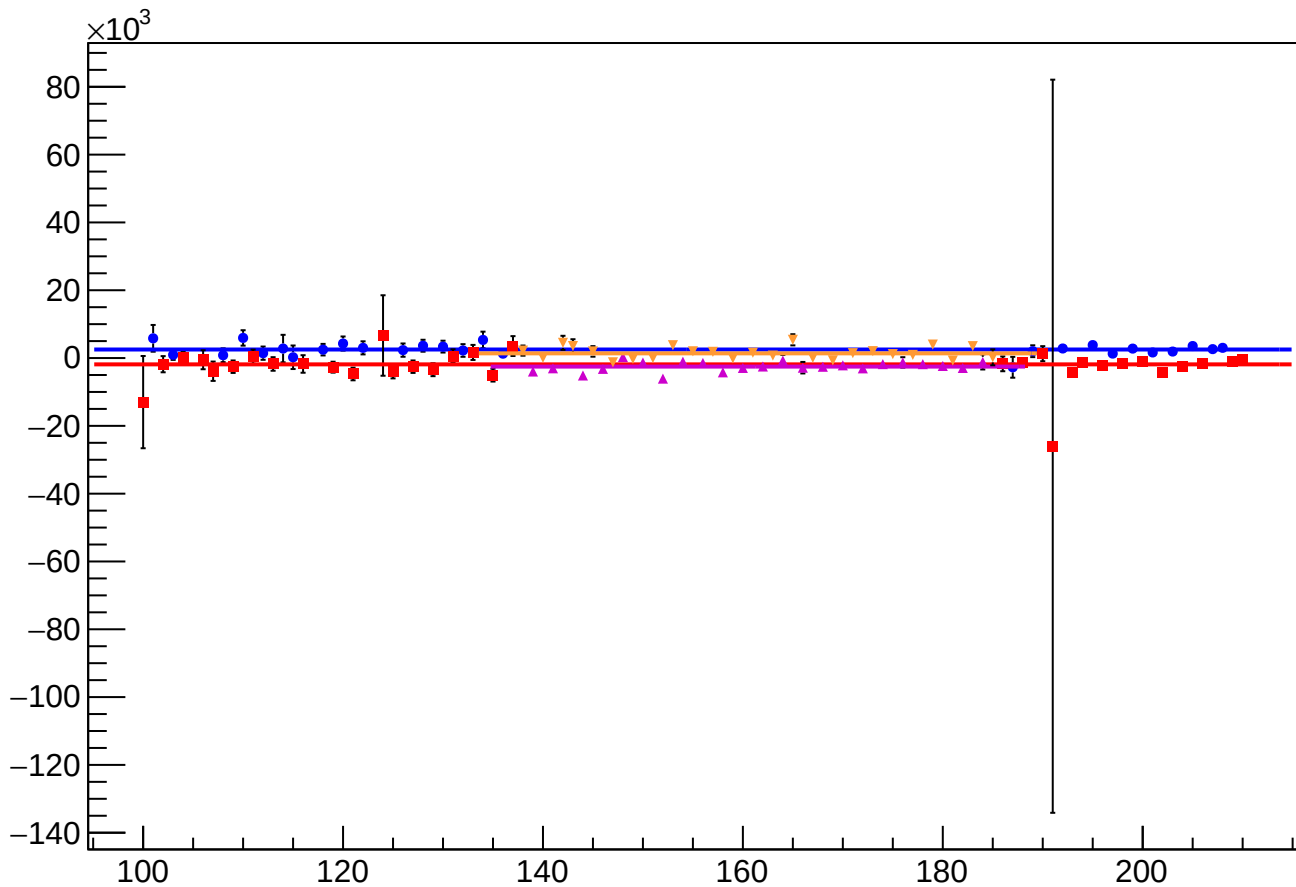
All: 239.708 ± 513.616 χ^2/NDF : 107.6/107

- sign 721.432 ± 727.877 χ^2/NDF : 47.6/55

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug



eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2520.173+/-328.260 χ^2/NDF : 14.9/26

Left Out: 1383.188+/-292.777 χ^2/NDF : 32.9/24

Right Out: -1864.130+/-312.948 χ^2/NDF : 29.5/32

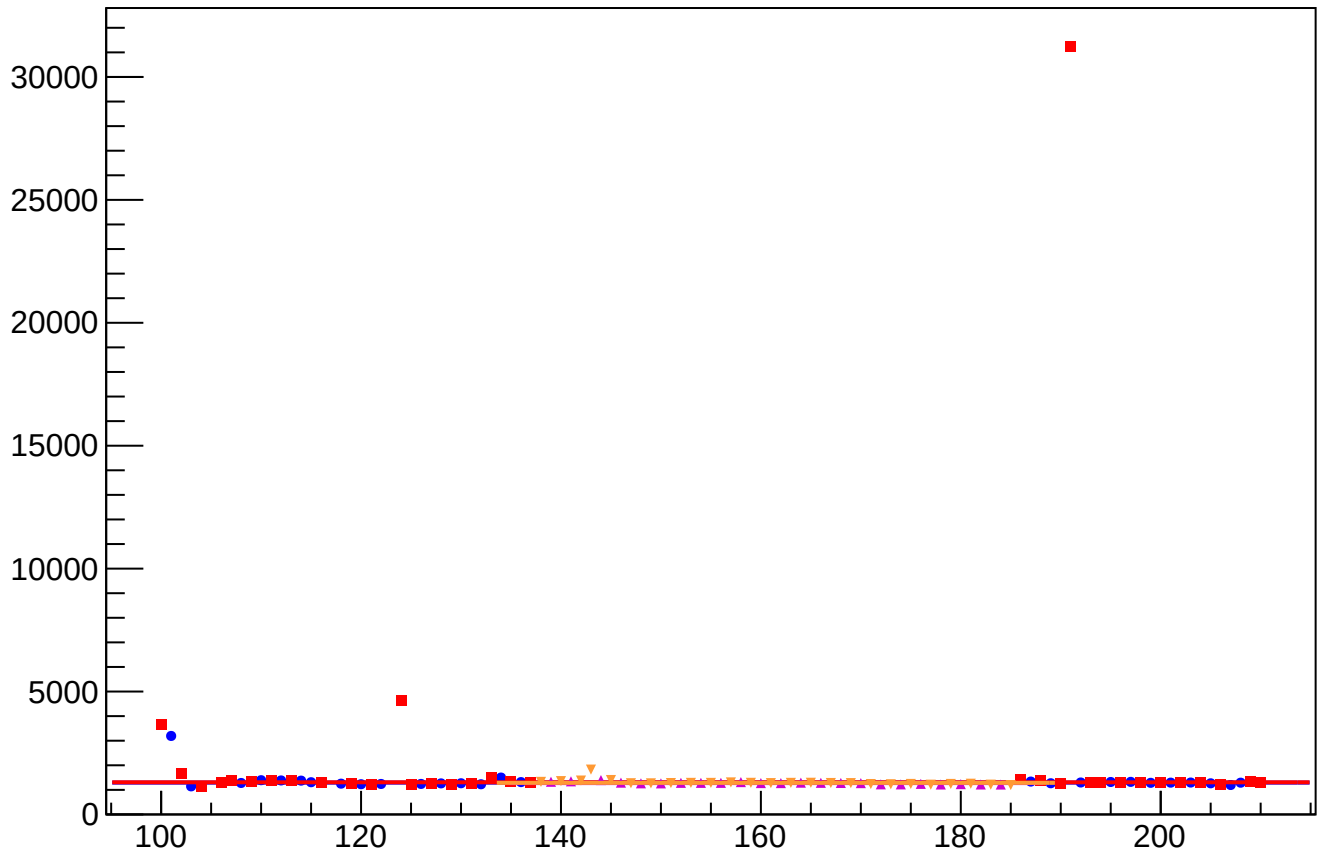
Left In: -2519.366+/-298.095 χ^2/NDF : 22.5/22

+ sign 1886.930+/-218.496 χ^2/NDF : 54.5/51

All: -185.361+/-153.554 χ^2/NDF : 286.5/107

- sign -2207.665+/-215.845 χ^2/NDF : 54.3/55

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1294.607+/-0.232 χ^2/NDF : 532241.4/26

Left Out: 1285.649+/-0.207 χ^2/NDF : 191027.3/24

Right Out: 1307.961+/-0.221 χ^2/NDF : 505573.8/32

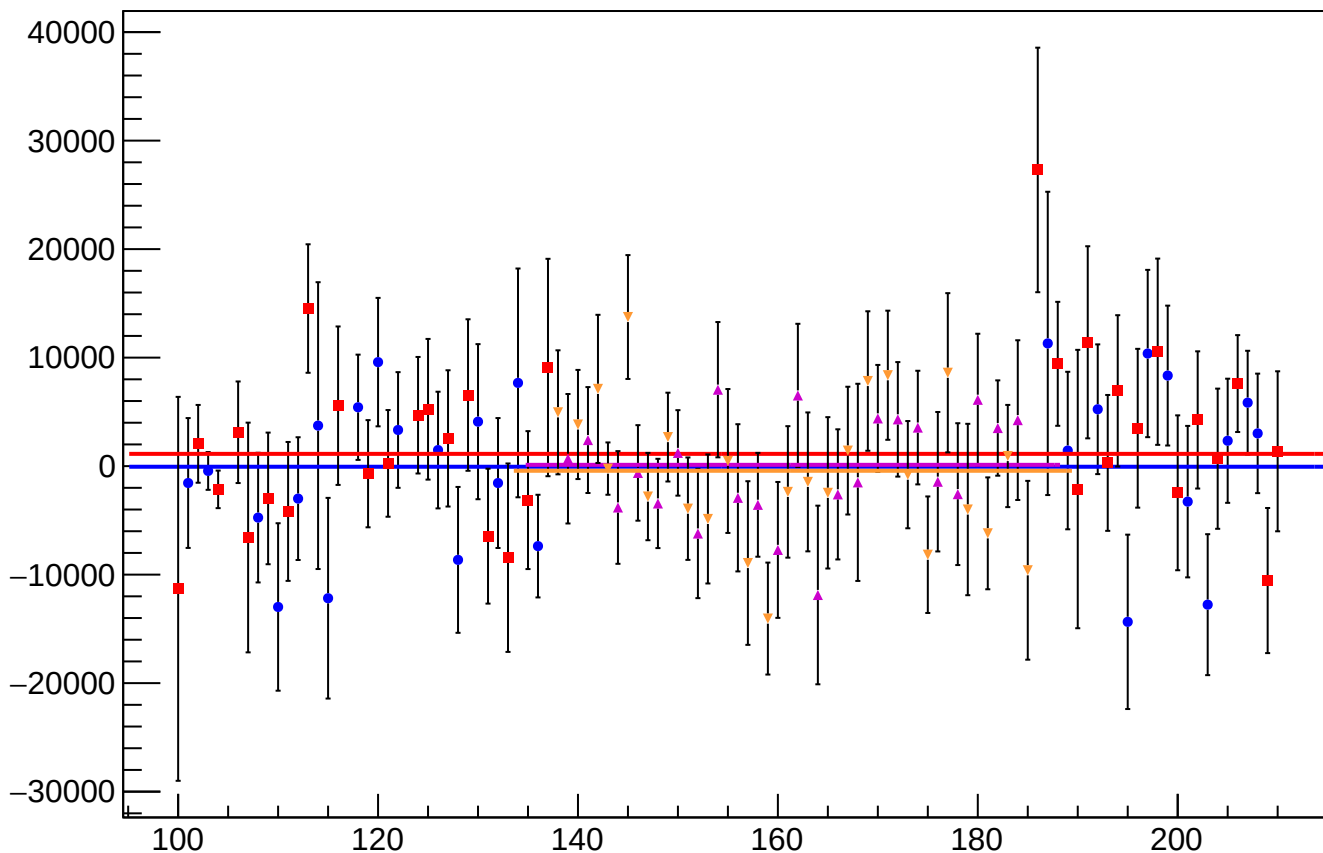
Left In: 1275.941+/-0.211 χ^2/NDF : 41399.0/22

+ sign 1289.618+/-0.155 χ^2/NDF : 724098.1/51

All: 1290.411+/-0.109 χ^2/NDF : 1282109.3/10

- sign 1291.185+/-0.153 χ^2/NDF : 557959.1/55

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -56.739 $\pm$ 1012.645 χ^2 /NDF: 29.2/26

Left Out: -428.525 $\pm$ 1038.036 χ^2 /NDF: 29.8/24

Right Out: 1130.144 $\pm$ 943.094 χ^2 /NDF: 33.5/32

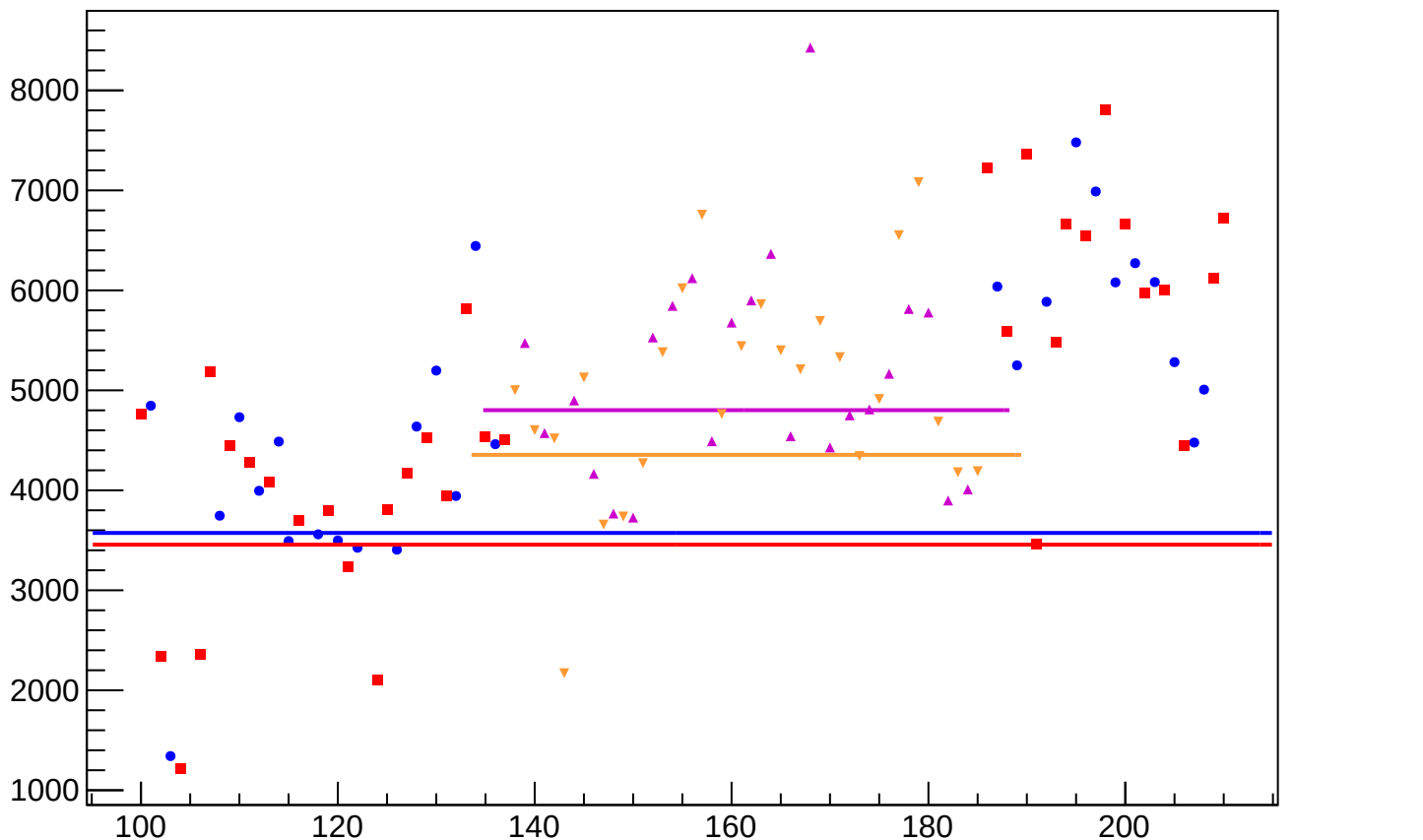
Left In: 119.307 $\pm$ 1144.695 χ^2 /NDF: 13.6/22

+ sign -238.029 $\pm$ 724.858 χ^2 /NDF: 59.1/51

All: 239.708 $\pm$ 513.616 χ^2 /NDF: 107.6/107

- sign 721.432 $\pm$ 727.877 χ^2 /NDF: 47.6/55

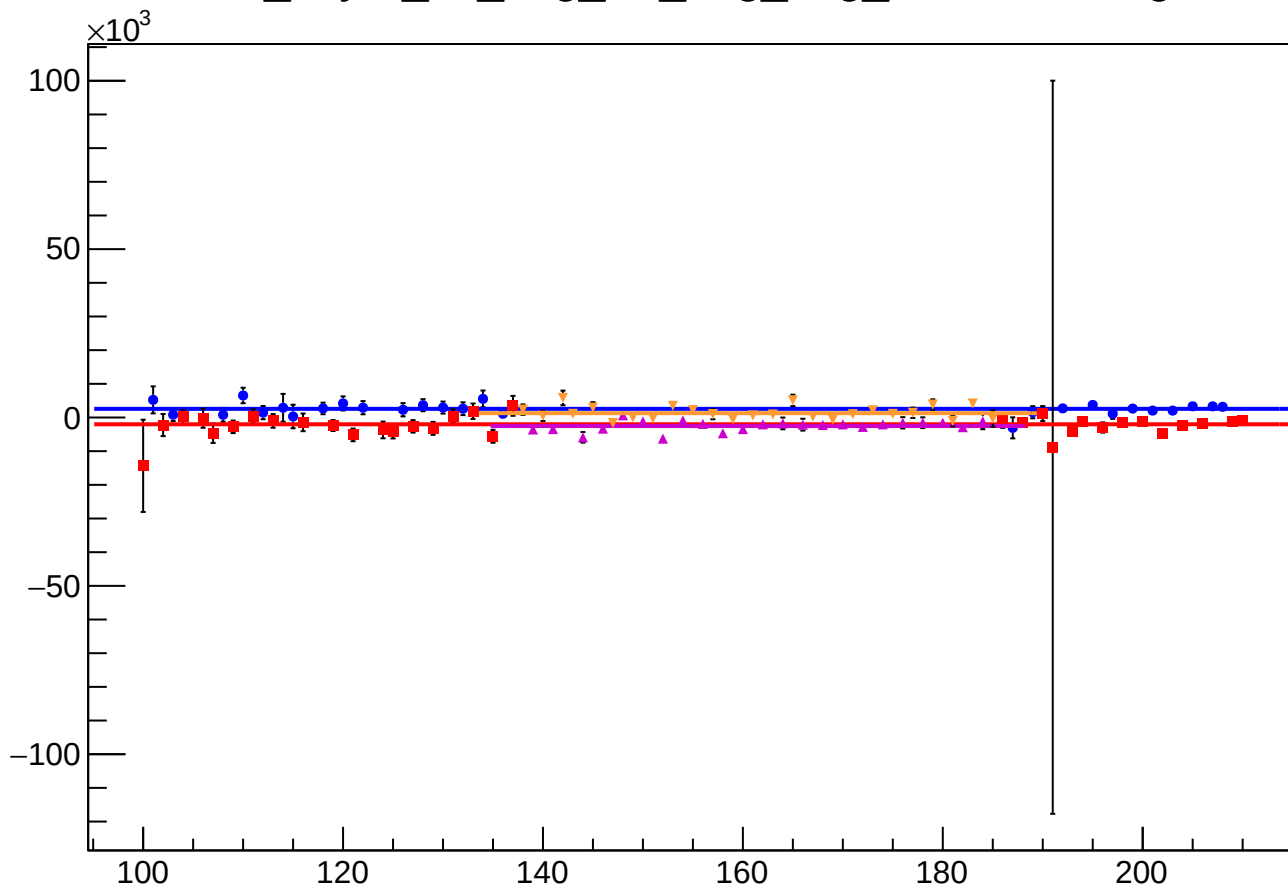
asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 3573.543 $\pm$ 0.716 χ^2/NDF : 6444958.5/26
 Left Out: 4354.511 $\pm$ 0.734 χ^2/NDF : 3071528.5/24
 Right Out: 3456.286 $\pm$ 0.667 χ^2/NDF : 8326836.7/32
 Left In: 4801.570 $\pm$ 0.809 χ^2/NDF : 1231894.6/22

+ sign 3954.359 $\pm$ 0.513 χ^2/NDF : 10096534.2/51
 All: 3977.197 $\pm$ 0.363 χ^2/NDF : 21304702.1/100
 - sign 4000.225 $\pm$ 0.515 χ^2/NDF : 11204180.8/55

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2570.681 $\pm$ 337.205 χ^2 /NDF: 15.5/26

Left Out: 1284.422 $\pm$ 300.530 χ^2 /NDF: 33.4/24

Right Out: -2012.009 $\pm$ 319.712 χ^2 /NDF: 30.6/32

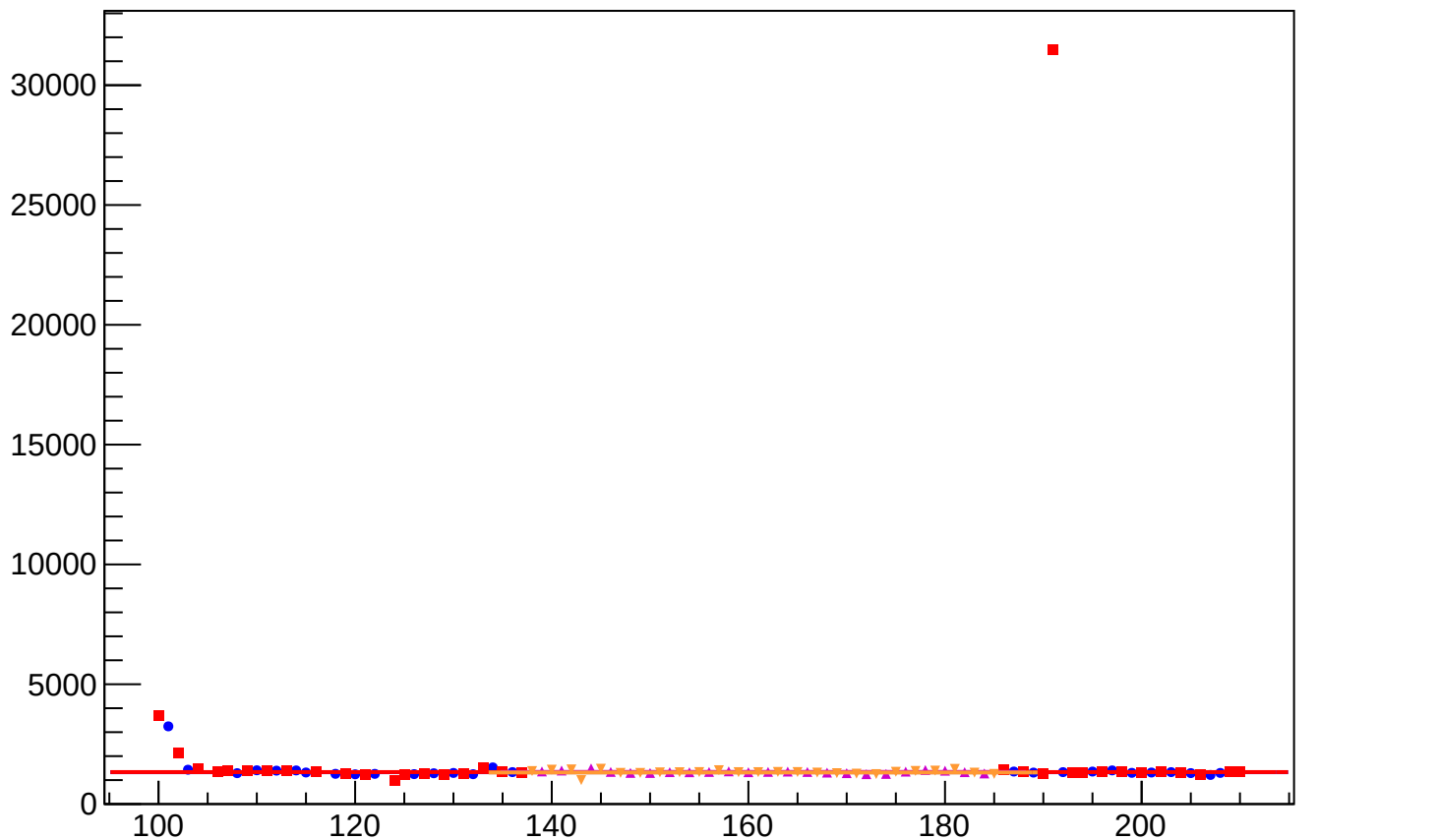
Left In: -2531.791 $\pm$ 312.886 χ^2 /NDF: 25.0/22

+ sign 1853.824 $\pm$ 224.357 χ^2 /NDF: 57.0/51

All: -218.651 $\pm$ 158.382 χ^2 /NDF: 284.1/107

- sign -2277.508 $\pm$ 223.618 χ^2 /NDF: 57.0/55

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.653+/-0.238 χ^2/NDF : 522213.1/26

Left Out: 1318.174+/-0.213 χ^2/NDF : 248547.7/24

Right Out: 1334.316+/-0.226 χ^2/NDF : 447761.6/32

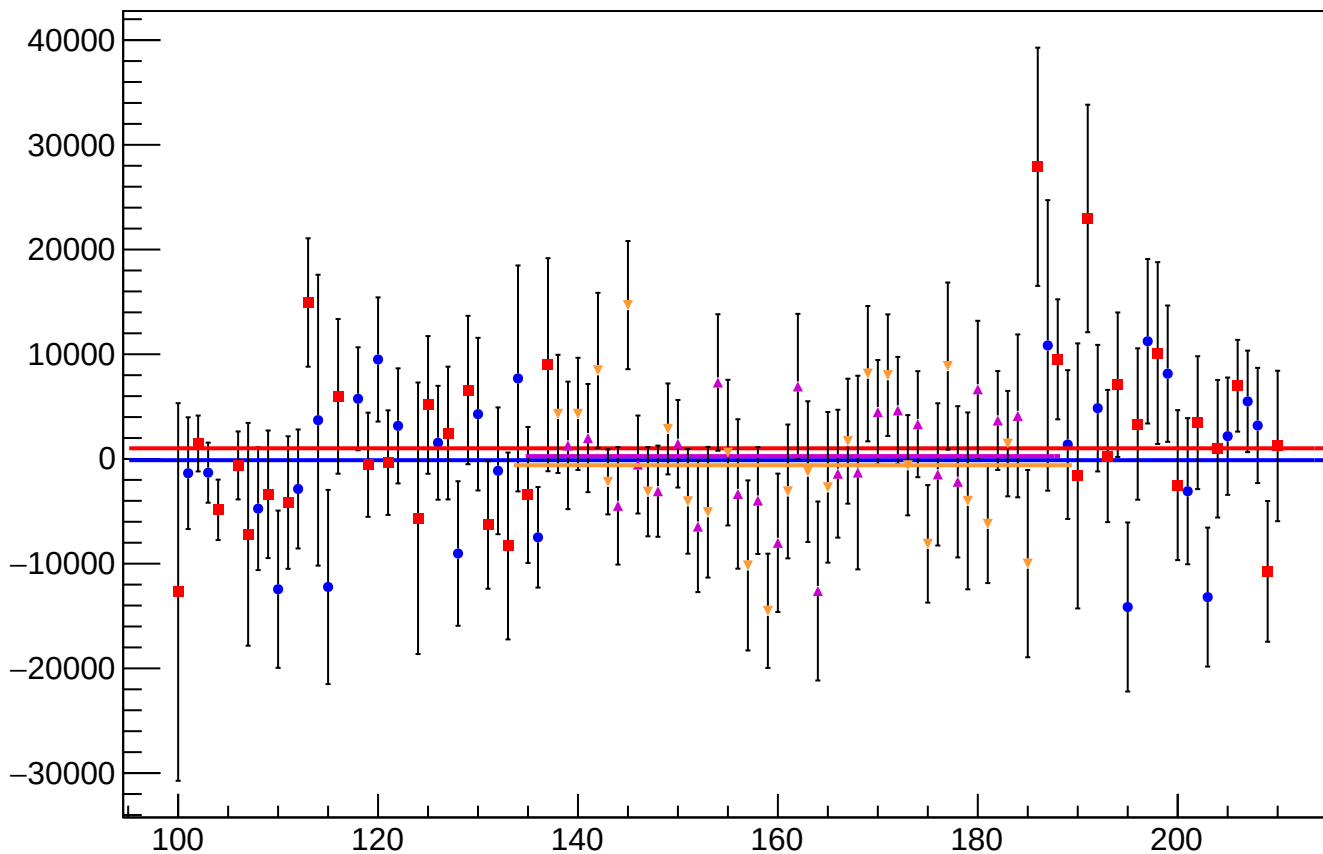
Left In: 1338.602+/-0.221 χ^2/NDF : 54248.5/22

+ sign 1323.256+/-0.159 χ^2/NDF : 772052.4/51

All: 1329.903+/-0.112 χ^2/NDF : 1277745.5/10

- sign 1336.505+/-0.158 χ^2/NDF : 502193.8/55

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug



Right In: -117.611 ± 1143.138 χ^2/NDF : 29.0/26

Left Out: -594.916 ± 1122.287 χ^2/NDF : 29.5/24

Right Out: 1018.115 ± 1008.057 χ^2/NDF : 36.7/32

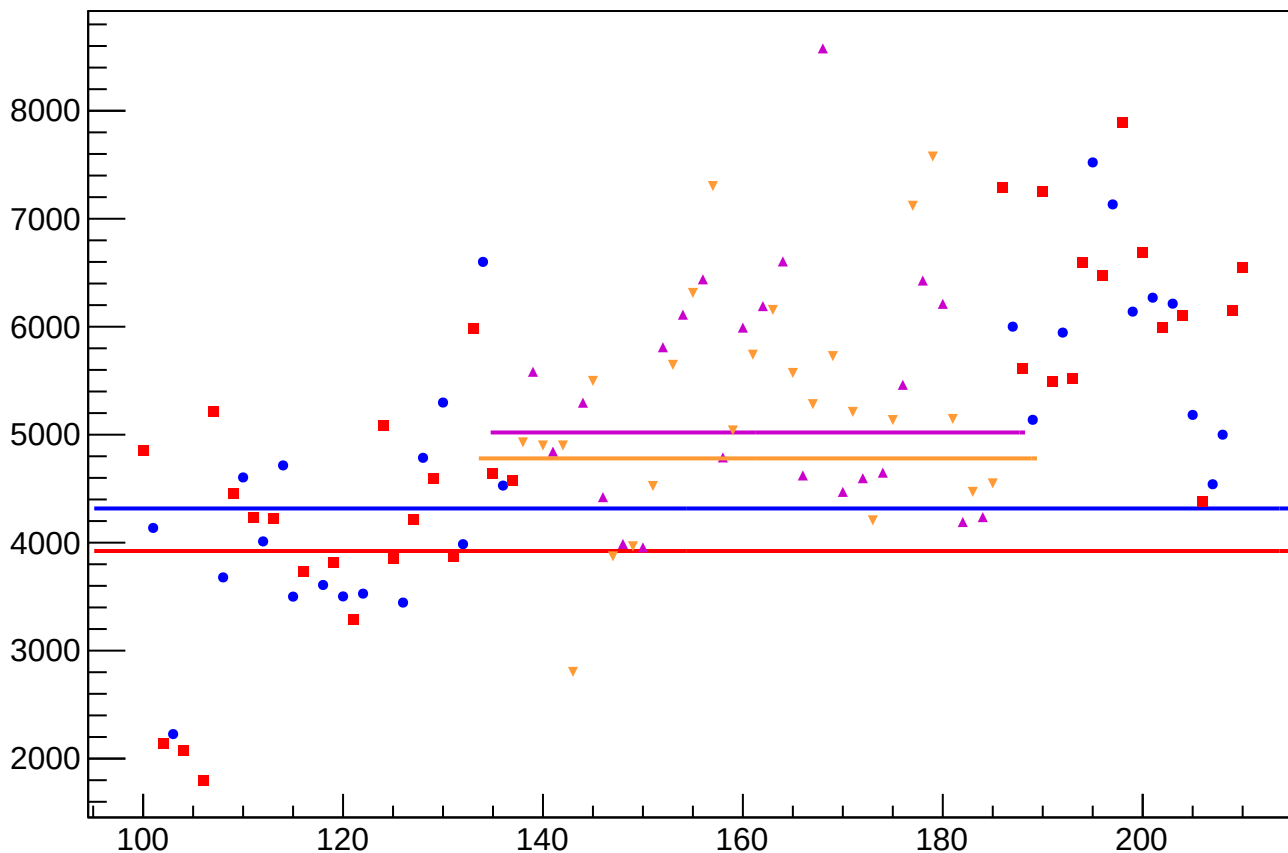
Left In: 272.915 ± 1196.804 χ^2/NDF : 13.4/22

+ sign -360.656 ± 800.847 χ^2/NDF : 58.6/51

All: 194.392 ± 555.433 χ^2/NDF : 109.9/107

- sign 708.844 ± 771.004 χ^2/NDF : 50.4/55

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 4316.696 $\pm$ 0.808 χ^2/NDF : 2763090.9/26

Left Out: 4780.396 $\pm$ 0.794 χ^2/NDF : 2006245.3/24

Right Out: 3922.813 $\pm$ 0.713 χ^2/NDF : 5709987.5/32

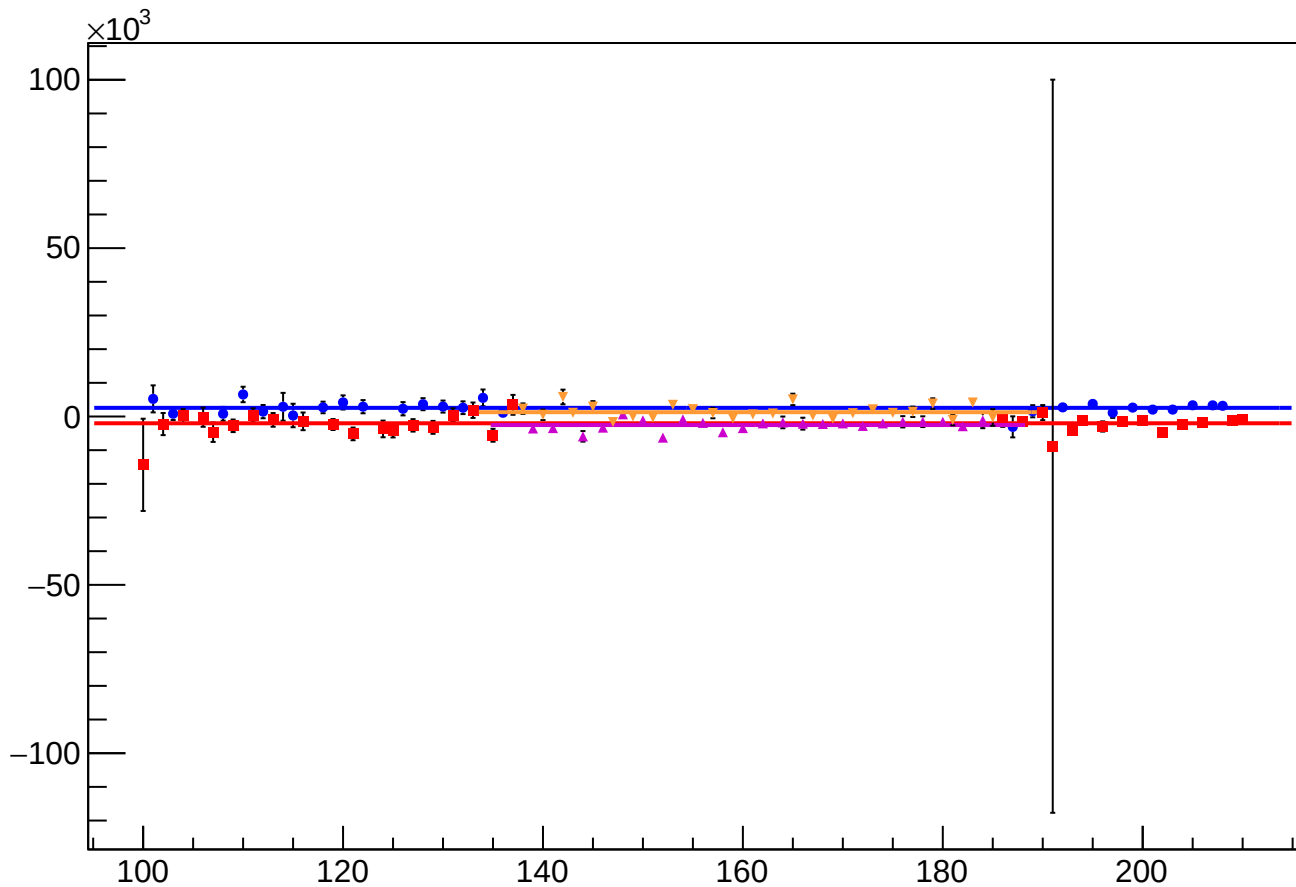
Left In: 5020.560 $\pm$ 0.846 χ^2/NDF : 1225091.9/22

+ sign 4552.814 $\pm$ 0.566 χ^2/NDF : 4936906.6/51

All: 4462.295 $\pm$ 0.393 χ^2/NDF : 12905525.4/100

- sign 4378.398 $\pm$ 0.545 χ^2/NDF : 7919386.1/55

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2570.678 $\pm$ 337.205 χ^2 /NDF: 15.5/26

Left Out: 1284.416 $\pm$ 300.530 χ^2 /NDF: 33.4/24

Right Out: -2012.007 $\pm$ 319.712 χ^2 /NDF: 30.6/32

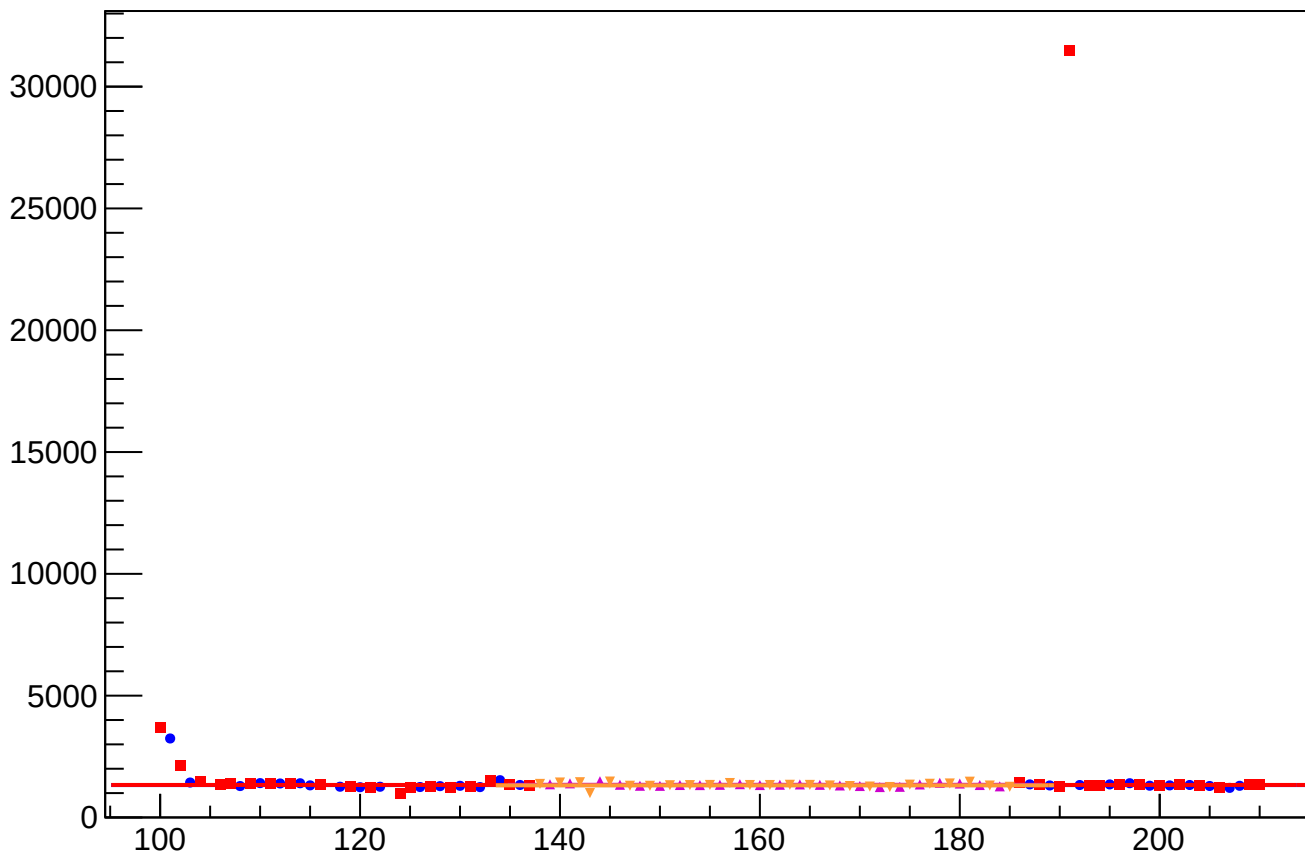
Left In: -2531.791 $\pm$ 312.887 χ^2 /NDF: 25.0/22

+ sign 1853.821 $\pm$ 224.357 χ^2 /NDF: 57.0/51

All: -218.652 $\pm$ 158.383 χ^2 /NDF: 284.1/107

- sign -2277.506 $\pm$ 223.618 χ^2 /NDF: 57.0/55

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.653+/-0.238 χ^2/NDF : 522213.2/26

Left Out: 1318.176+/-0.213 χ^2/NDF : 248550.2/24

Right Out: 1334.316+/-0.226 χ^2/NDF : 447760.6/32

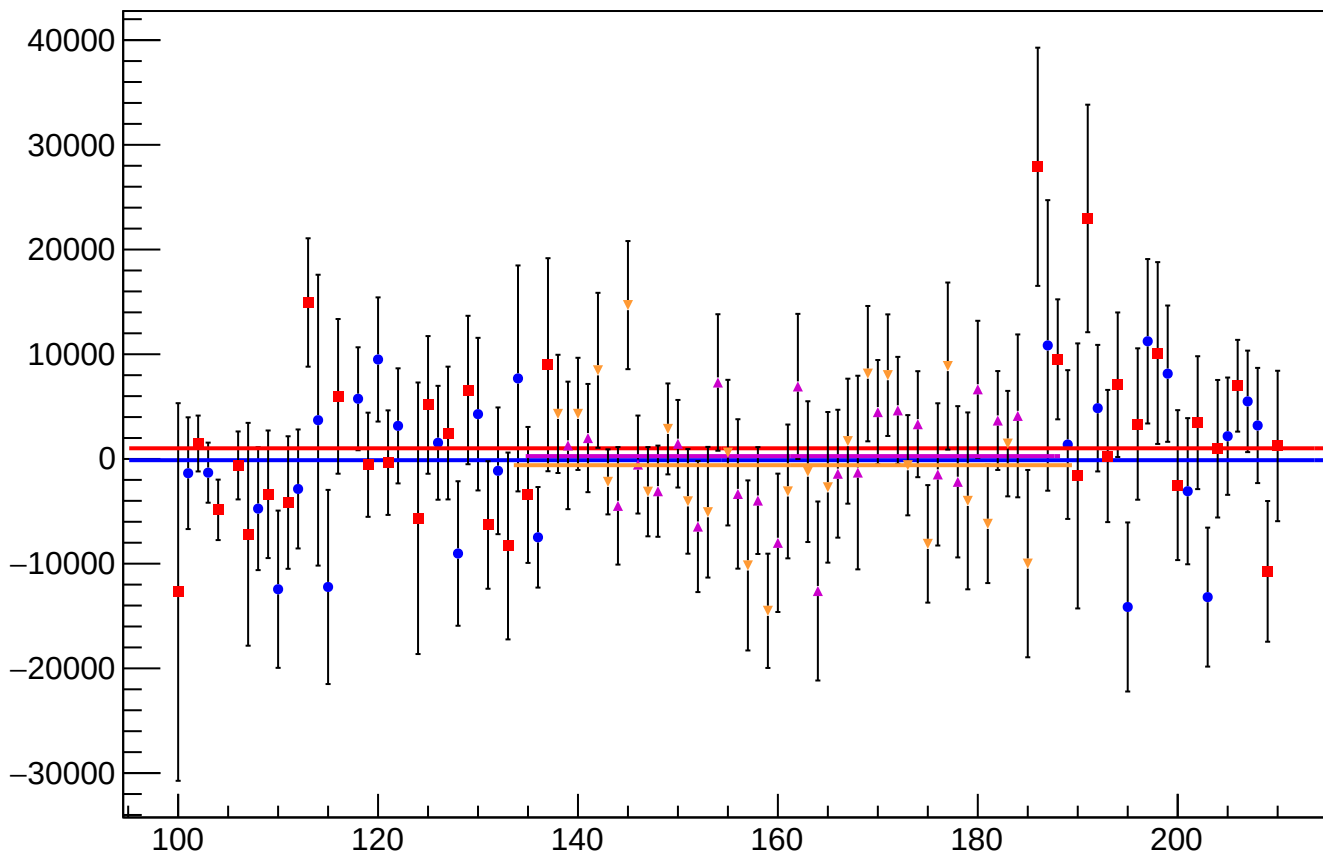
Left In: 1338.604+/-0.221 χ^2/NDF : 54251.0/22

+ sign 1323.256+/-0.159 χ^2/NDF : 772054.7/51

All: 1329.904+/-0.112 χ^2/NDF : 1277749.4/10

- sign 1336.505+/-0.158 χ^2/NDF : 502195.5/55

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -117.609 ± 1143.137 χ^2/NDF : 29.0/26

Left Out: -594.920 ± 1122.288 χ^2/NDF : 29.5/24

Right Out: 1018.109 ± 1008.056 χ^2/NDF : 36.7/32

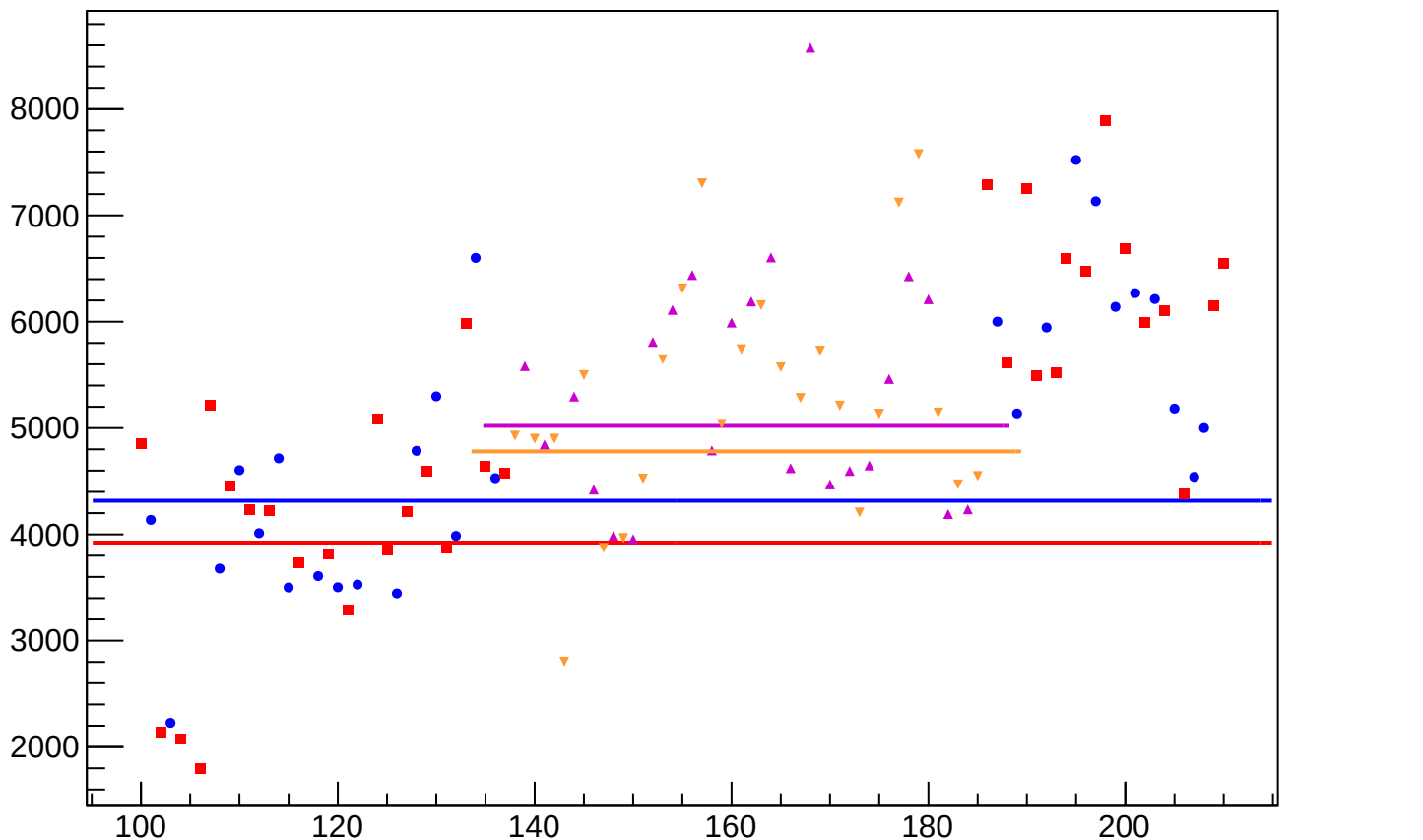
Left In: 272.917 ± 1196.806 χ^2/NDF : 13.4/22

+ sign -360.657 ± 800.847 χ^2/NDF : 58.6/51

All: 194.391 ± 555.433 χ^2/NDF : 109.9/107

- sign 708.842 ± 771.004 χ^2/NDF : 50.4/55

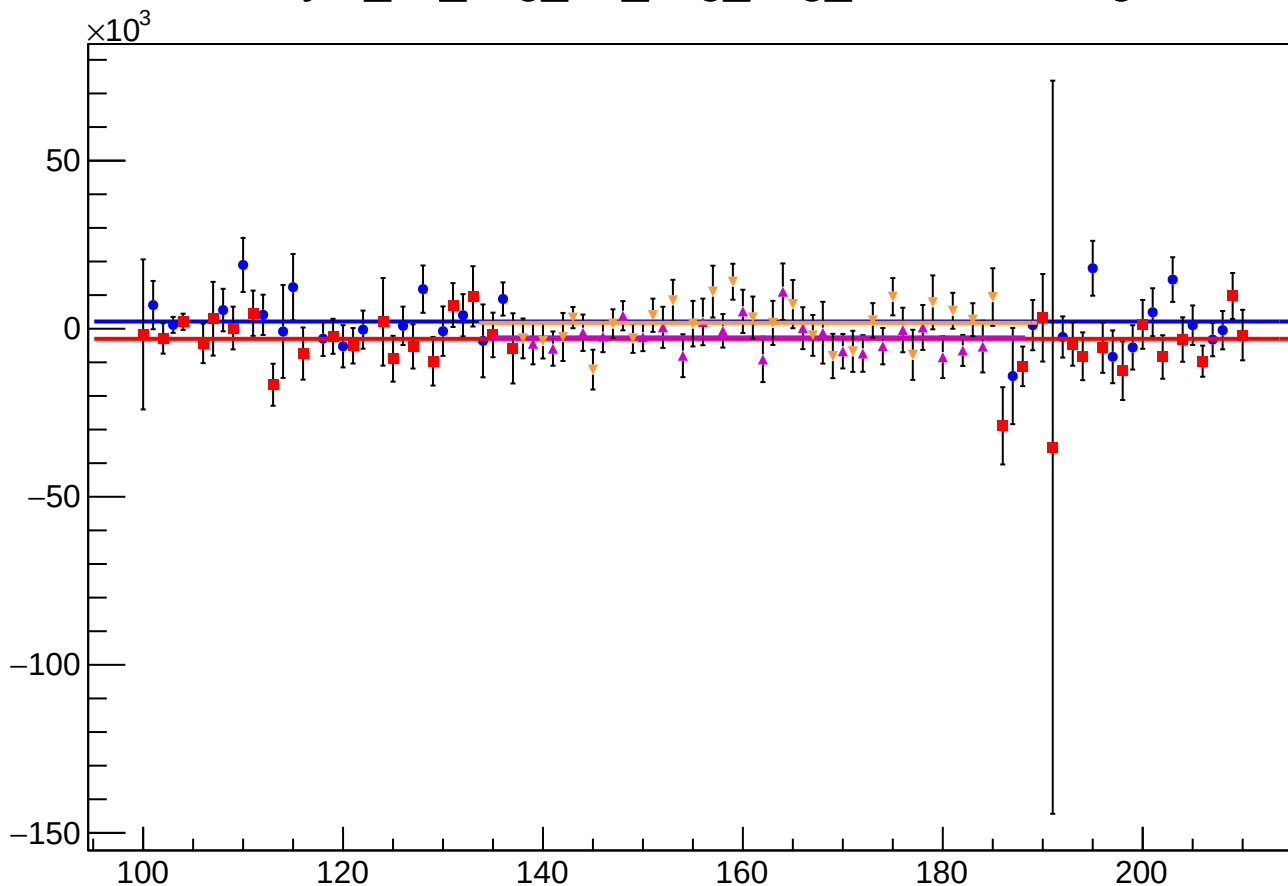
asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 4316.690 $\pm$ 0.808 χ^2/NDF : 2763118.7/26
 Left Out: 4780.404 $\pm$ 0.794 χ^2/NDF : 2006246.8/24
 Right Out: 3922.805 $\pm$ 0.713 χ^2/NDF : 5710028.5/32
 Left In: 5020.567 $\pm$ 0.846 χ^2/NDF : 1225095.5/22

+ sign 4552.814 $\pm$ 0.566 χ^2/NDF : 4936945.9/51
 All: 4462.294 $\pm$ 0.393 χ^2/NDF : 12905638.9/100
 - sign 4378.394 $\pm$ 0.545 χ^2/NDF : 7919458.3/55

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2151.336 $\pm$ 1143.715 χ^2 /NDF: 27.3/26

Left Out: 1761.683 $\pm$ 1116.232 χ^2 /NDF: 27.7/24

Right Out: -3001.944 $\pm$ 1098.800 χ^2 /NDF: 33.7/32

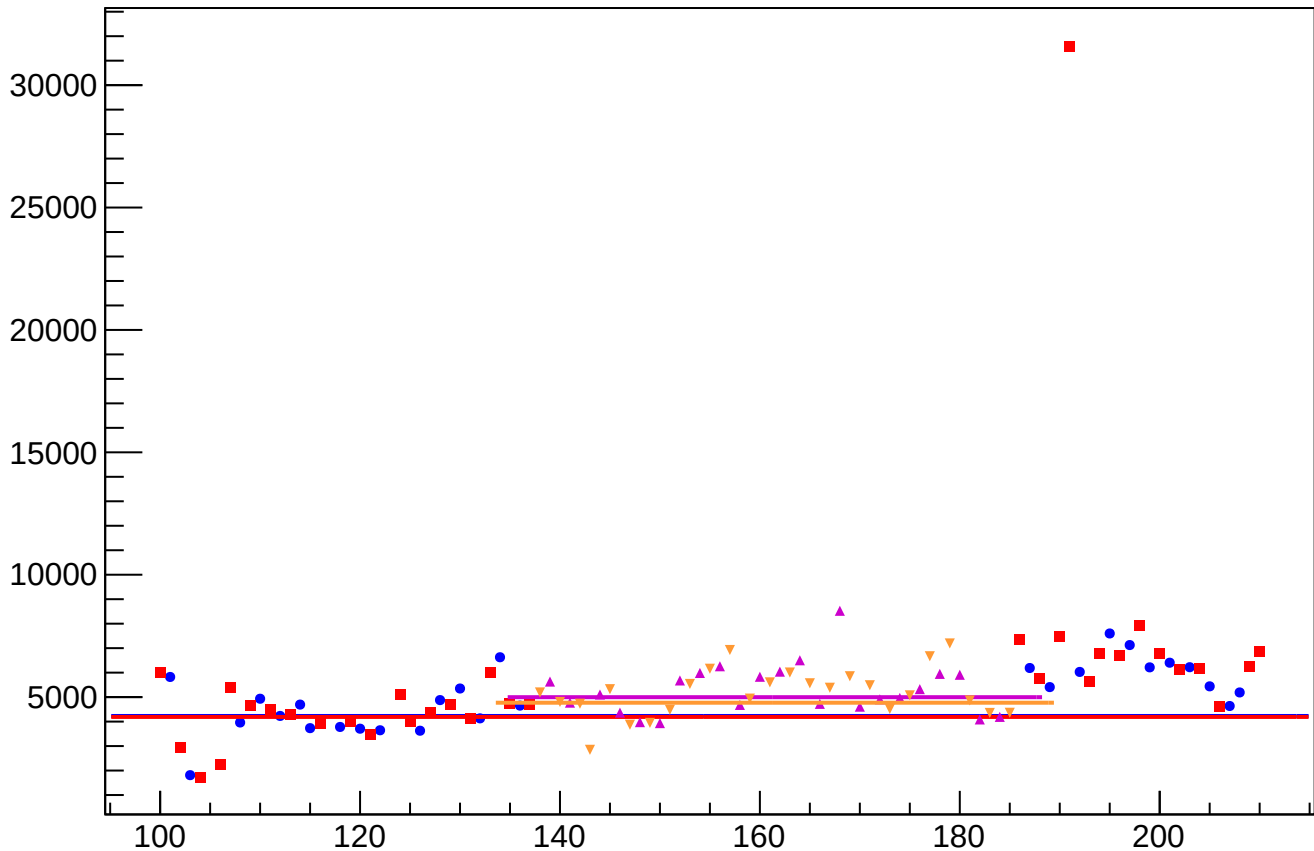
Left In: -2579.960 $\pm$ 1188.448 χ^2 /NDF: 13.3/22

+ sign 1951.772 $\pm$ 798.835 χ^2 /NDF: 55.0/51

All: -404.231 $\pm$ 567.657 χ^2 /NDF: 119.7/107

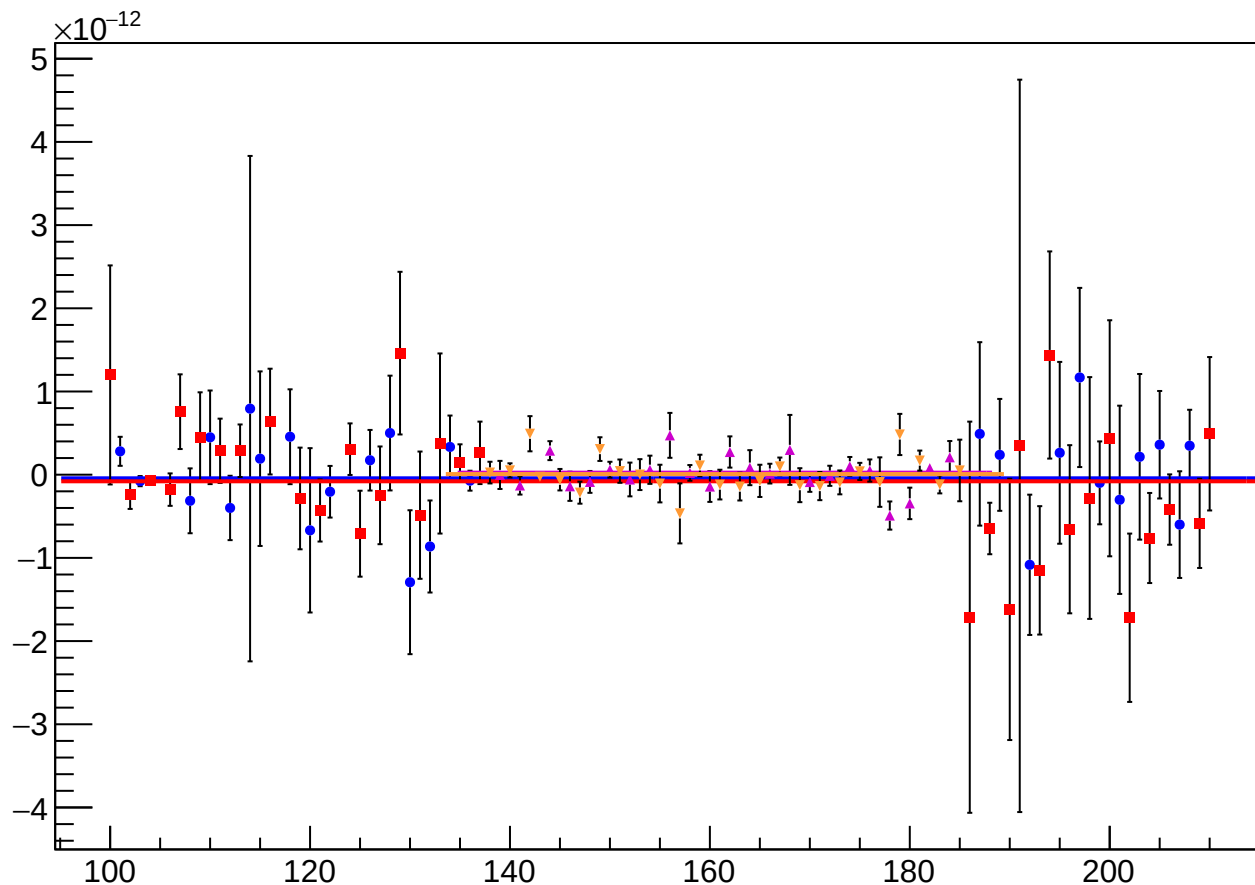
- sign -2807.466 $\pm$ 806.802 χ^2 /NDF: 47.1/55

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4229.041+/-0.809	χ^2/NDF : 4011343.3/26	+ sign 4506.701+/-0.565	χ^2/NDF : 6028582.8/51
Left Out: 4771.181+/-0.789	χ^2/NDF : 1787082.6/24		
Right Out: 4190.376+/-0.770	χ^2/NDF : 5395753.2/32	All: 4532.352+/-0.400	χ^2/NDF : 13024997.7/1
Left In: 4996.720+/-0.840	χ^2/NDF : 1095876.8/22	- sign 4558.254+/-0.568	χ^2/NDF : 6992270.4/55

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.1/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.1/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 33.9/32

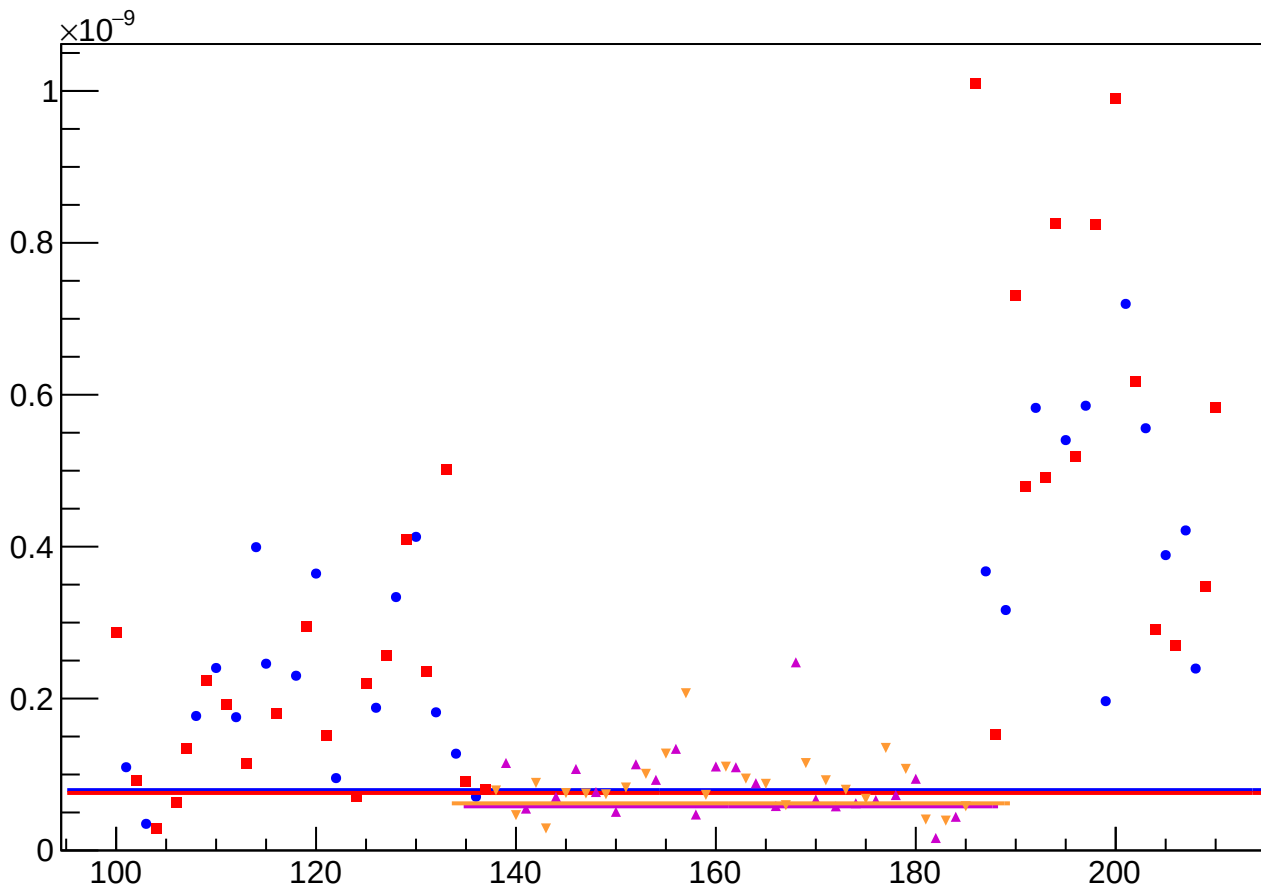
Left In: 0.000 ± 0.000 χ^2/NDF : 31.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 47.1/51

All: -0.000 ± 0.000 χ^2/NDF : 116.5/107

- sign -0.000 ± 0.000 χ^2/NDF : 69.4/55

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7179193.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2443383.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9406402.1/32

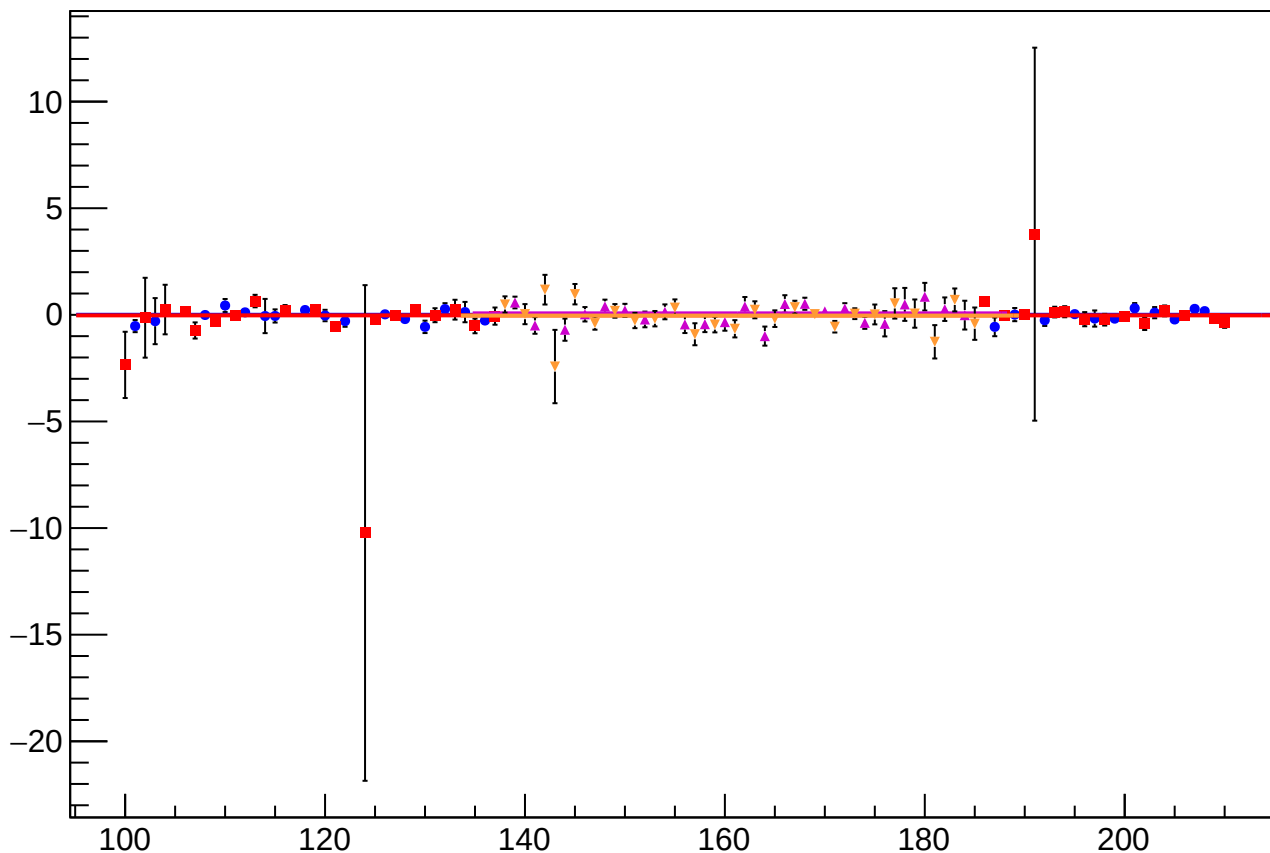
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2966562.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9830525.3/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 22449949.7/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12594142.1/55

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.046 χ^2/NDF : 27.6/26

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: -0.025 ± 0.042 χ^2/NDF : 42.9/32

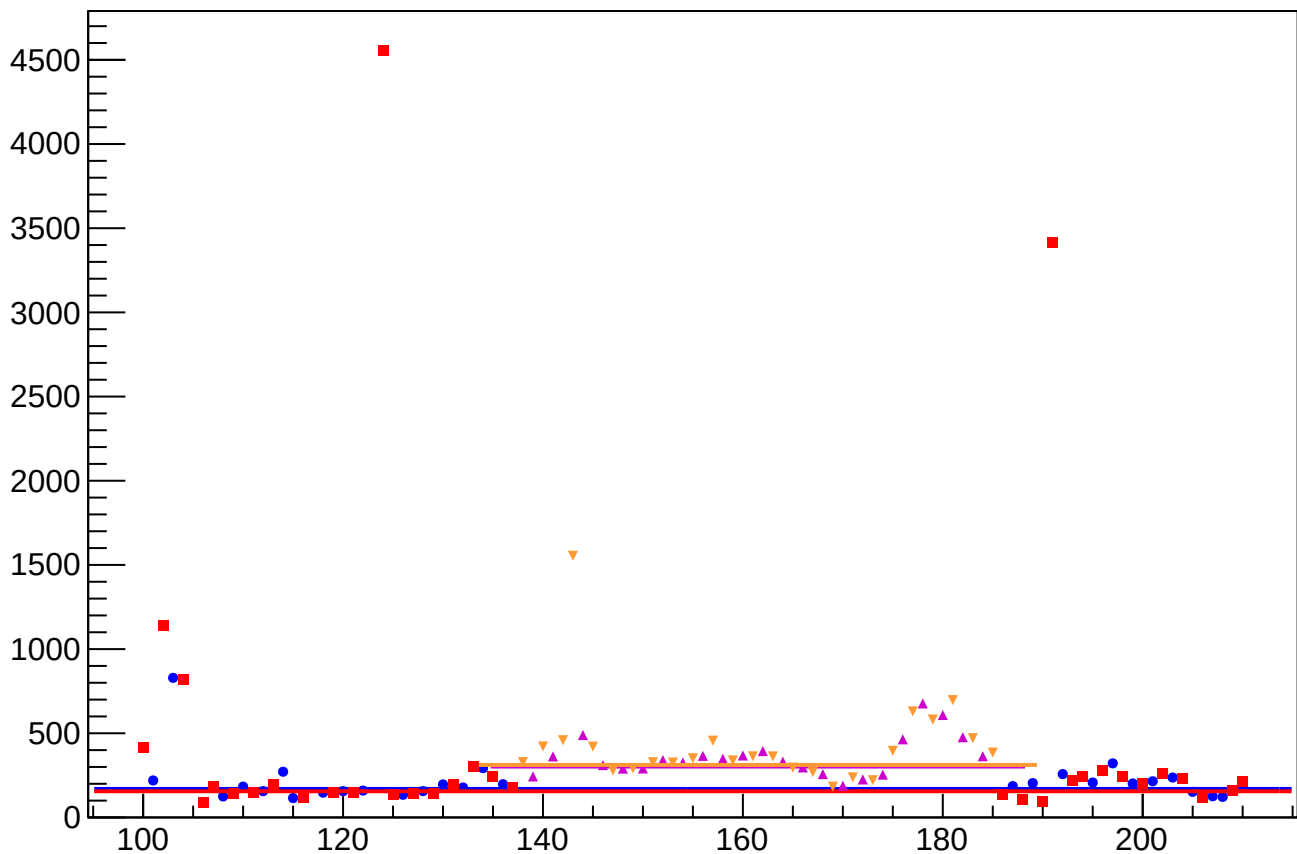
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.007 ± 0.040 χ^2/NDF : 60.3/51

All: -0.005 ± 0.027 χ^2/NDF : 134.3/107

- sign -0.003 ± 0.036 χ^2/NDF : 74.0/55

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 169.335 $\pm$ 0.033 χ^2 /NDF: 2602946.9/26

Left Out: 311.961 $\pm$ 0.054 χ^2 /NDF: 4350162.2/24

Right Out: 155.616 $\pm$ 0.029 χ^2 /NDF: 4879712.2/32

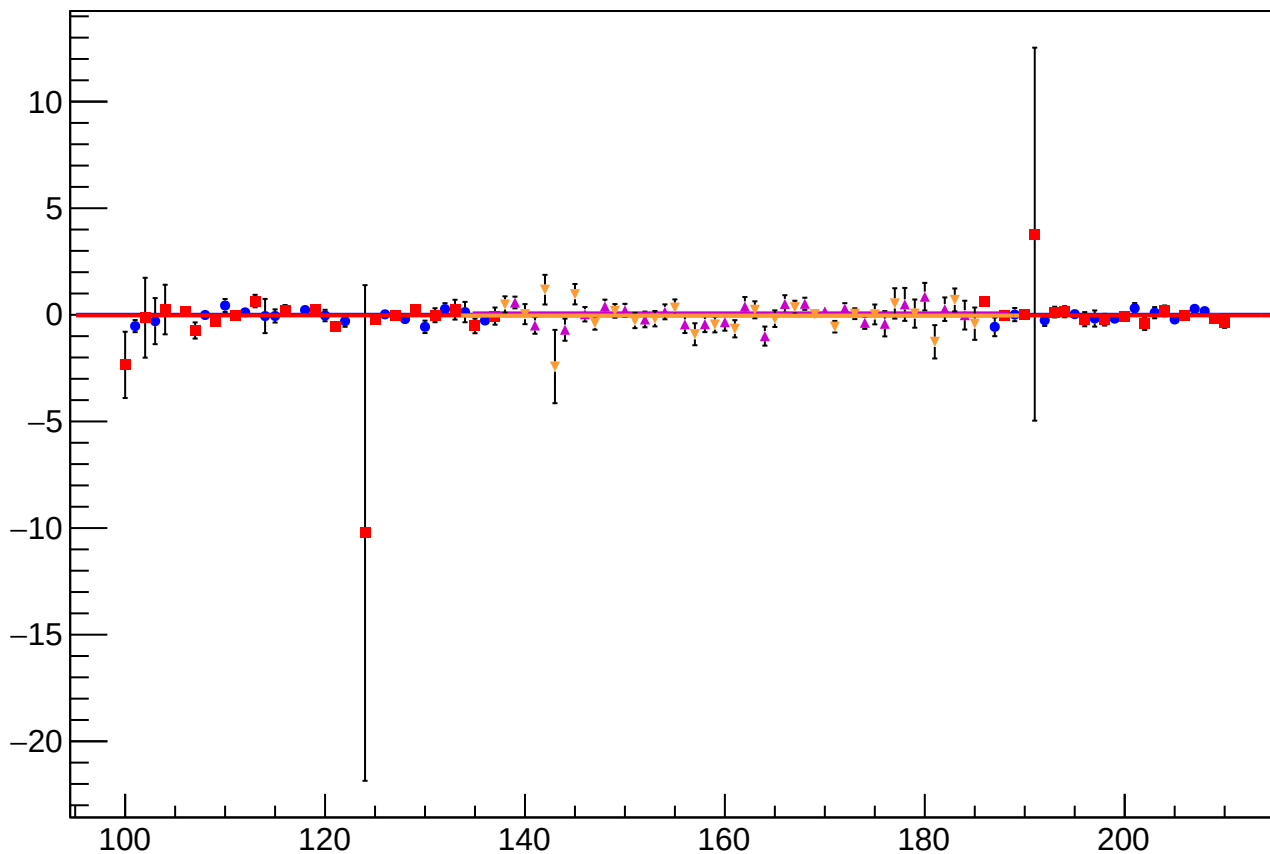
Left In: 302.375 $\pm$ 0.053 χ^2 /NDF: 2808730.8/22

+ sign 207.446 $\pm$ 0.028 χ^2 /NDF: 12024289.6/51

All: 198.060 $\pm$ 0.019 χ^2 /NDF: 25790583.6/10

- sign 190.169 $\pm$ 0.026 χ^2 /NDF: 13559825.0/55

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.046 χ^2/NDF : 27.6/26

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: -0.025 ± 0.042 χ^2/NDF : 42.9/32

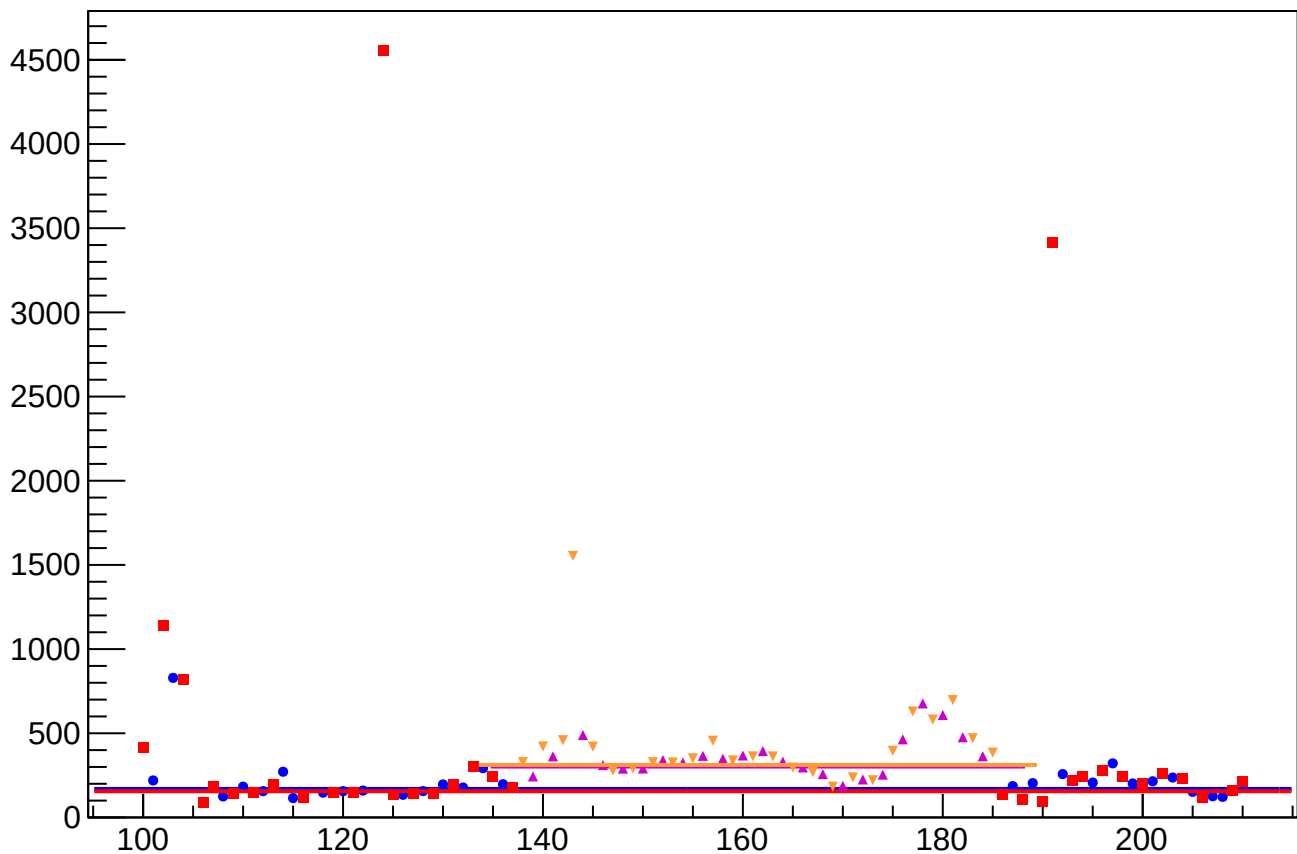
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.007 ± 0.040 χ^2/NDF : 60.3/51

All: -0.005 ± 0.027 χ^2/NDF : 134.3/107

- sign -0.003 ± 0.036 χ^2/NDF : 74.0/55

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 169.335+/-0.033 χ^2/NDF : 2602946.9/26

Left Out: 311.961+/-0.054 χ^2/NDF : 4350162.2/24

Right Out: 155.616+/-0.029 χ^2/NDF : 4879712.2/32

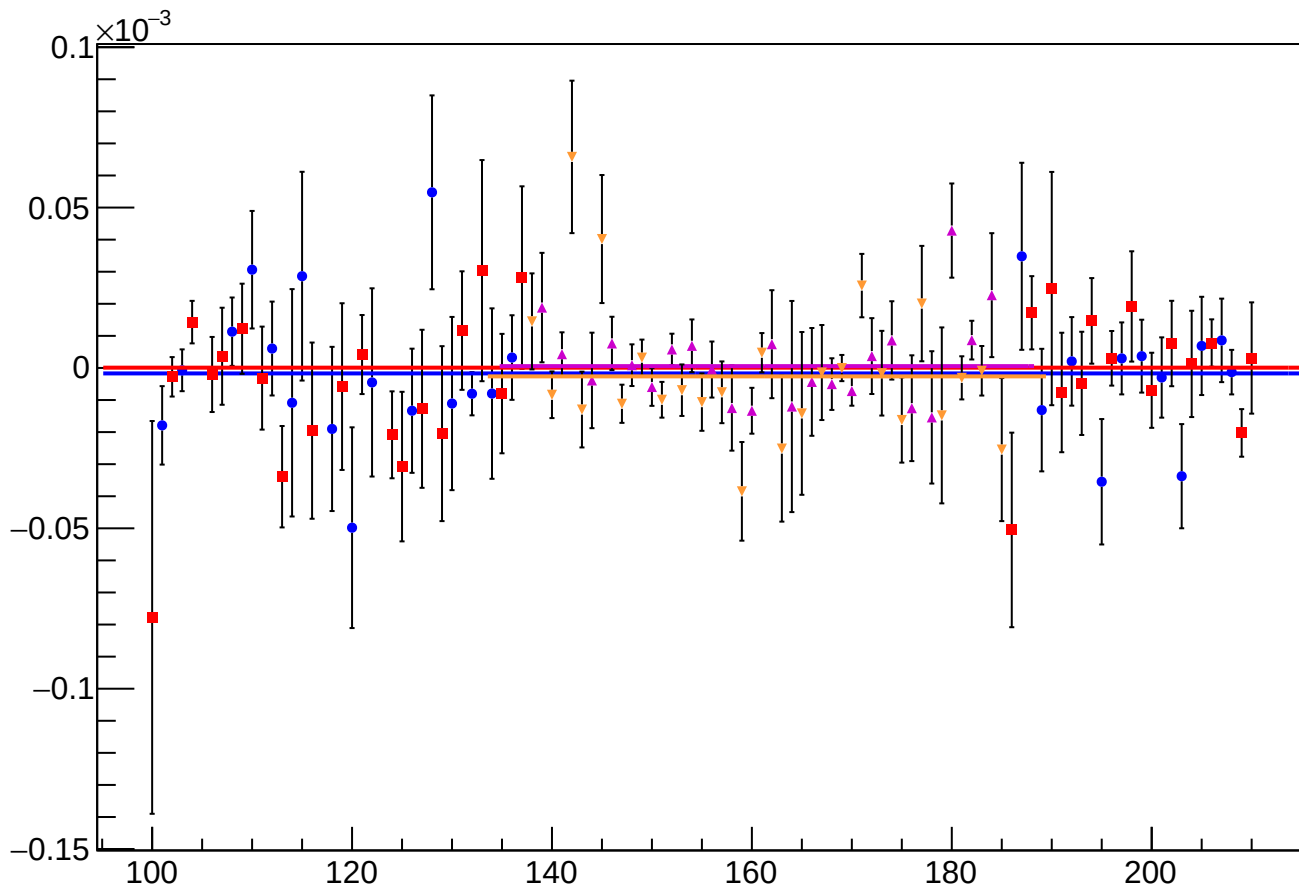
Left In: 302.375+/-0.053 χ^2/NDF : 2808730.8/22

+ sign 207.446+/-0.028 χ^2/NDF : 12024289.6/51

All: 198.060+/-0.019 χ^2/NDF : 25790583.6/10

- sign 190.169+/-0.026 χ^2/NDF : 13559825.0/55

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 25.7/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 42.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 37.5/32

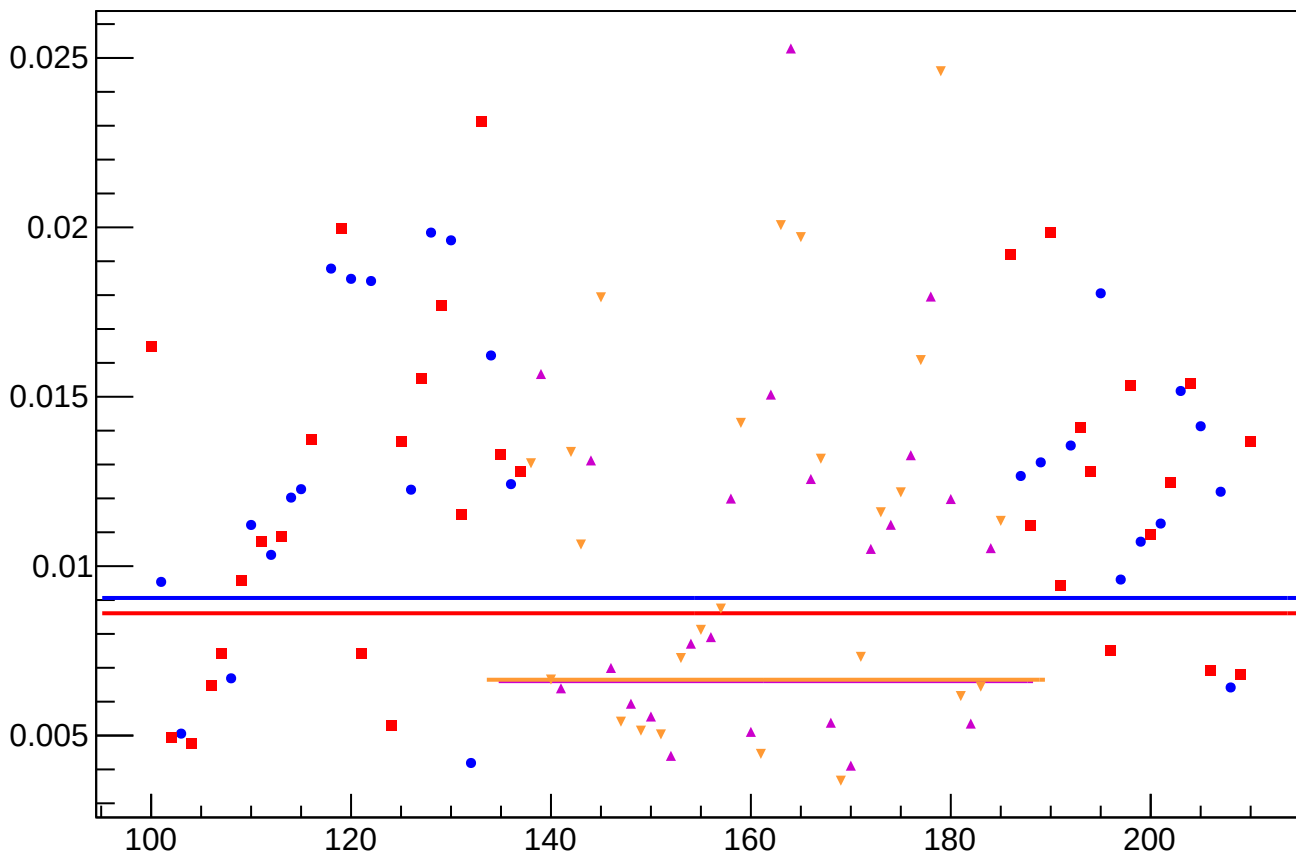
Left In: 0.000 ± 0.000 χ^2/NDF : 26.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 68.2/51

All: -0.000 ± 0.000 χ^2/NDF : 134.5/107

- sign 0.000 ± 0.000 χ^2/NDF : 64.4/55

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 5313313.3/26

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7513935.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 5504598.4/32

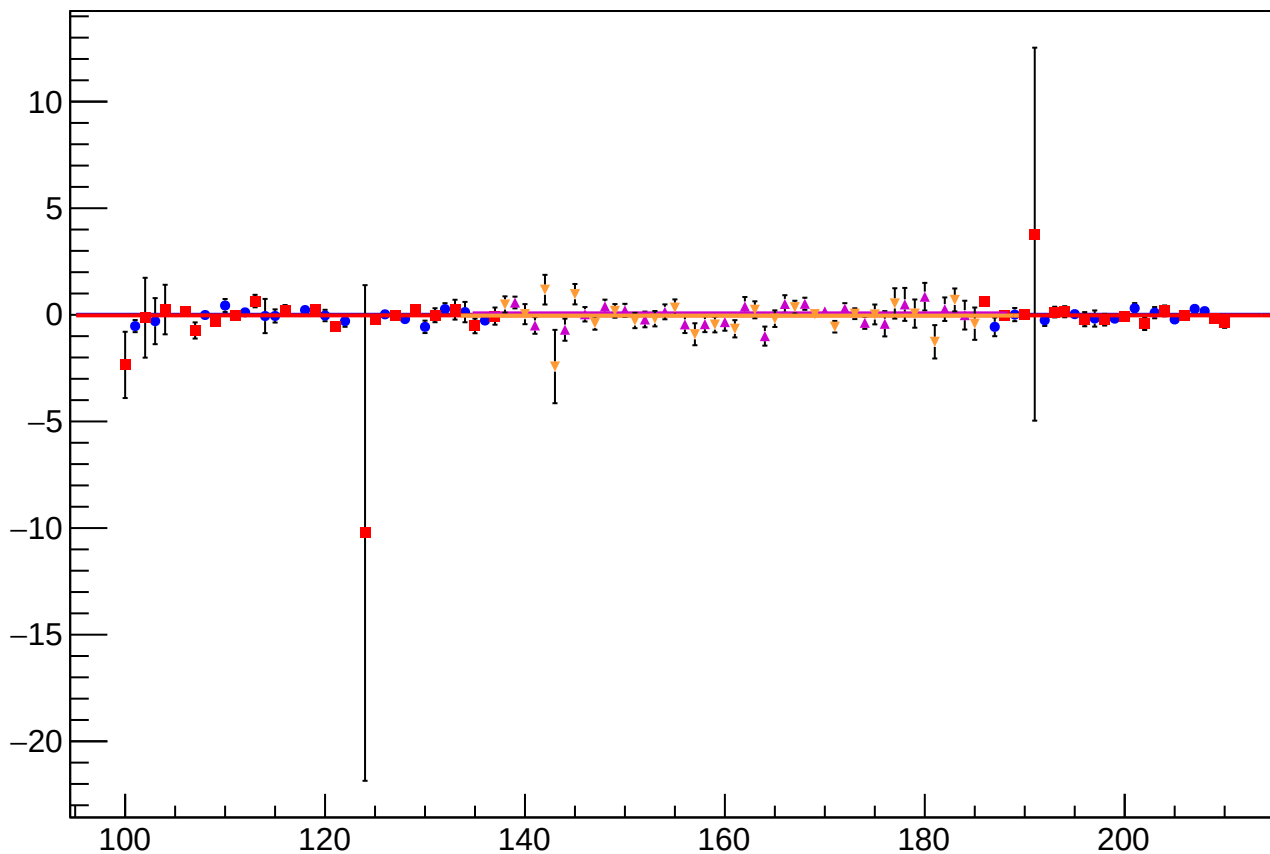
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5855747.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 14057800.6/51

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 26395027.4/107

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 12336307.5/55

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.046 χ^2/NDF : 27.6/26

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: -0.025 ± 0.042 χ^2/NDF : 42.9/32

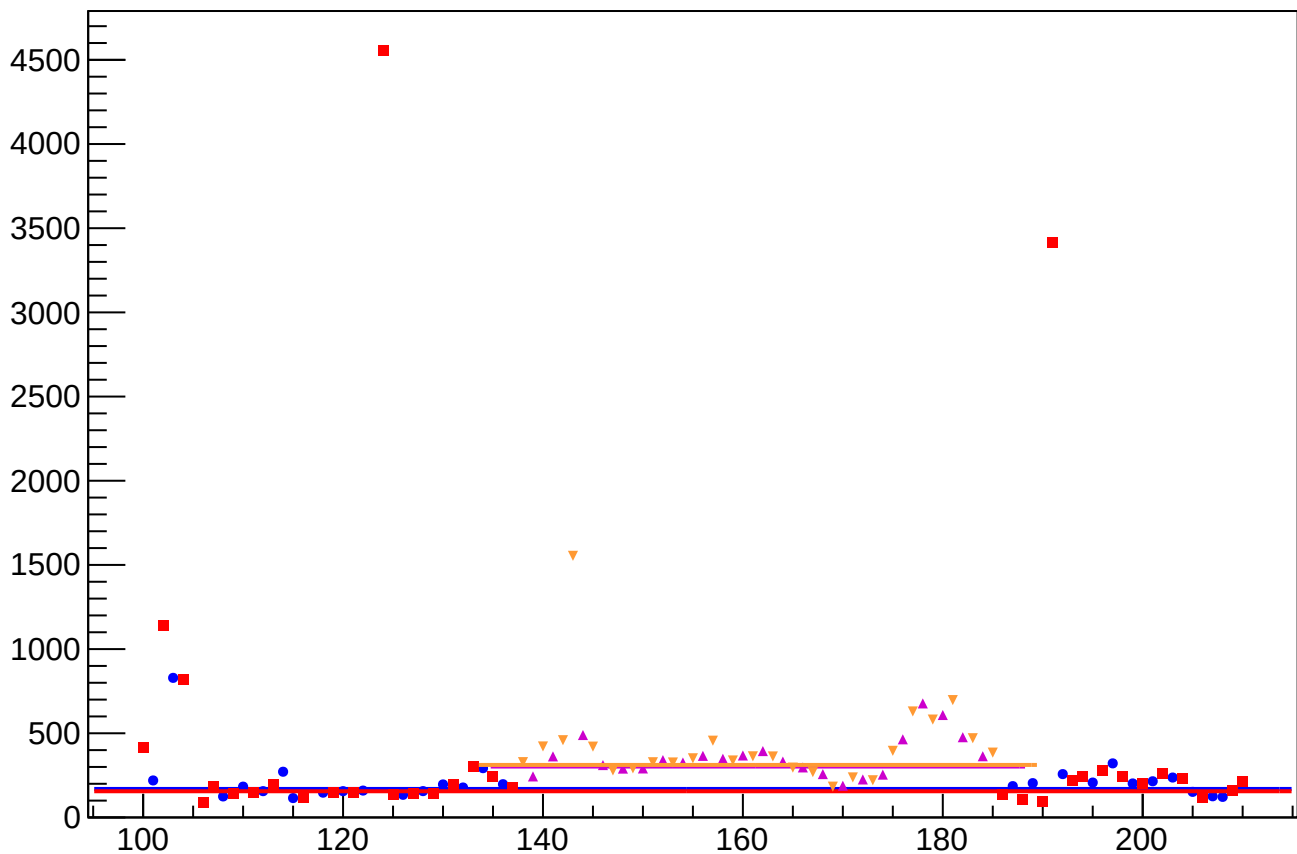
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.007 ± 0.040 χ^2/NDF : 60.3/51

All: -0.005 ± 0.027 χ^2/NDF : 134.3/107

- sign -0.003 ± 0.036 χ^2/NDF : 74.0/55

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 169.334+/-0.033 χ^2/NDF : 2603010.9/26

Left Out: 311.961+/-0.054 χ^2/NDF : 4350376.6/24

Right Out: 155.613+/-0.029 χ^2/NDF : 4879930.6/32

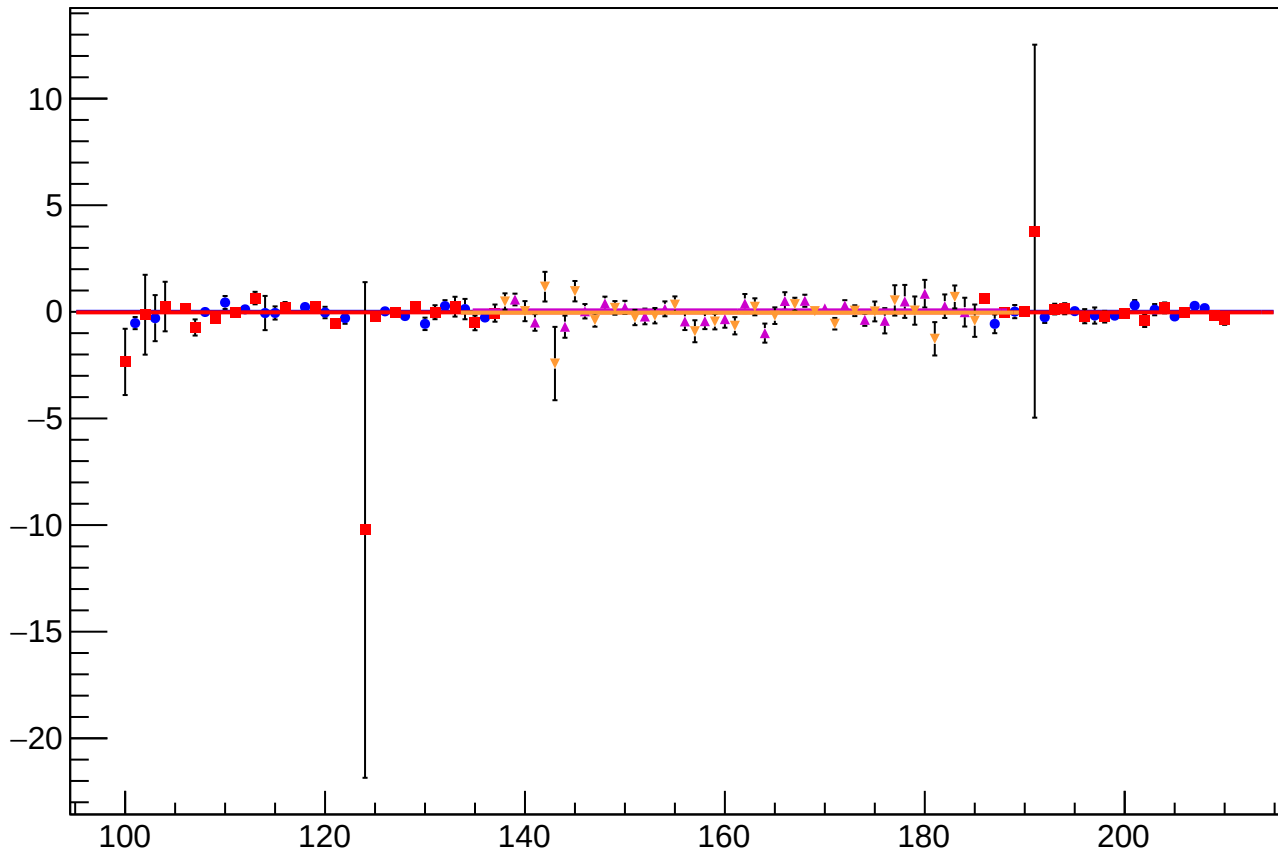
Left In: 302.377+/-0.053 χ^2/NDF : 2808874.8/22

+ sign 207.445+/-0.028 χ^2/NDF : 12024649.6/51

All: 198.058+/-0.019 χ^2/NDF : 25791682.1/10

- sign 190.166+/-0.026 χ^2/NDF : 13560517.4/55

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.046 χ^2/NDF : 27.6/26

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: -0.025 ± 0.042 χ^2/NDF : 42.9/32

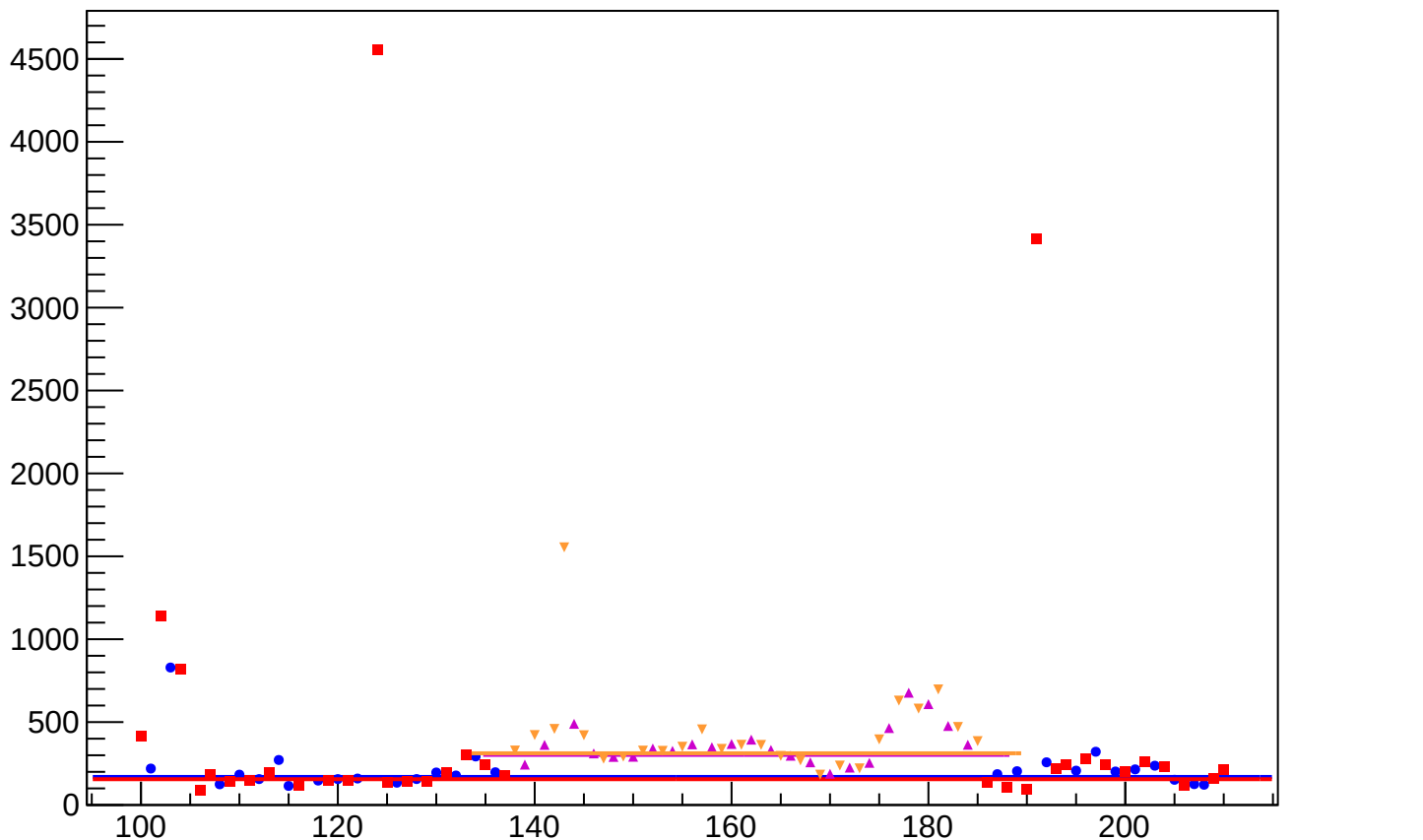
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.007 ± 0.040 χ^2/NDF : 60.3/51

All: -0.005 ± 0.027 χ^2/NDF : 134.3/107

- sign -0.003 ± 0.036 χ^2/NDF : 74.0/55

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 169.334 $\pm$ 0.033 χ^2 /NDF: 2603010.9/26

Left Out: 311.961 $\pm$ 0.054 χ^2 /NDF: 4350376.6/24

Right Out: 155.613 $\pm$ 0.029 χ^2 /NDF: 4879930.6/32

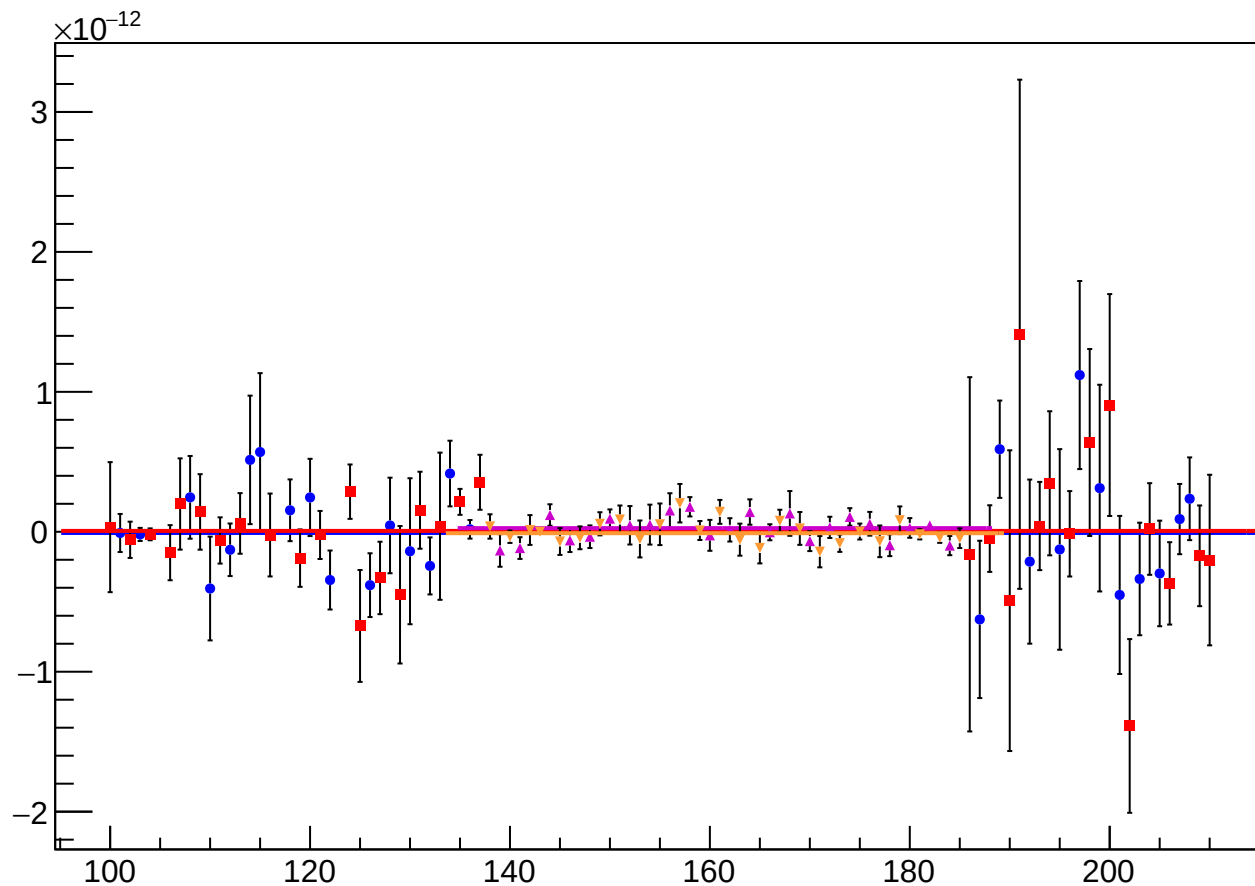
Left In: 302.377 $\pm$ 0.053 χ^2 /NDF: 2808874.8/22

+ sign 207.445 $\pm$ 0.028 χ^2 /NDF: 12024649.6/51

All: 198.058 $\pm$ 0.019 χ^2 /NDF: 25791682.1/10

- sign 190.166 $\pm$ 0.026 χ^2 /NDF: 13560517.4/55

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 26.2/26

Left Out: -0.000+/-0.000 χ^2/NDF : 16.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29.5/32

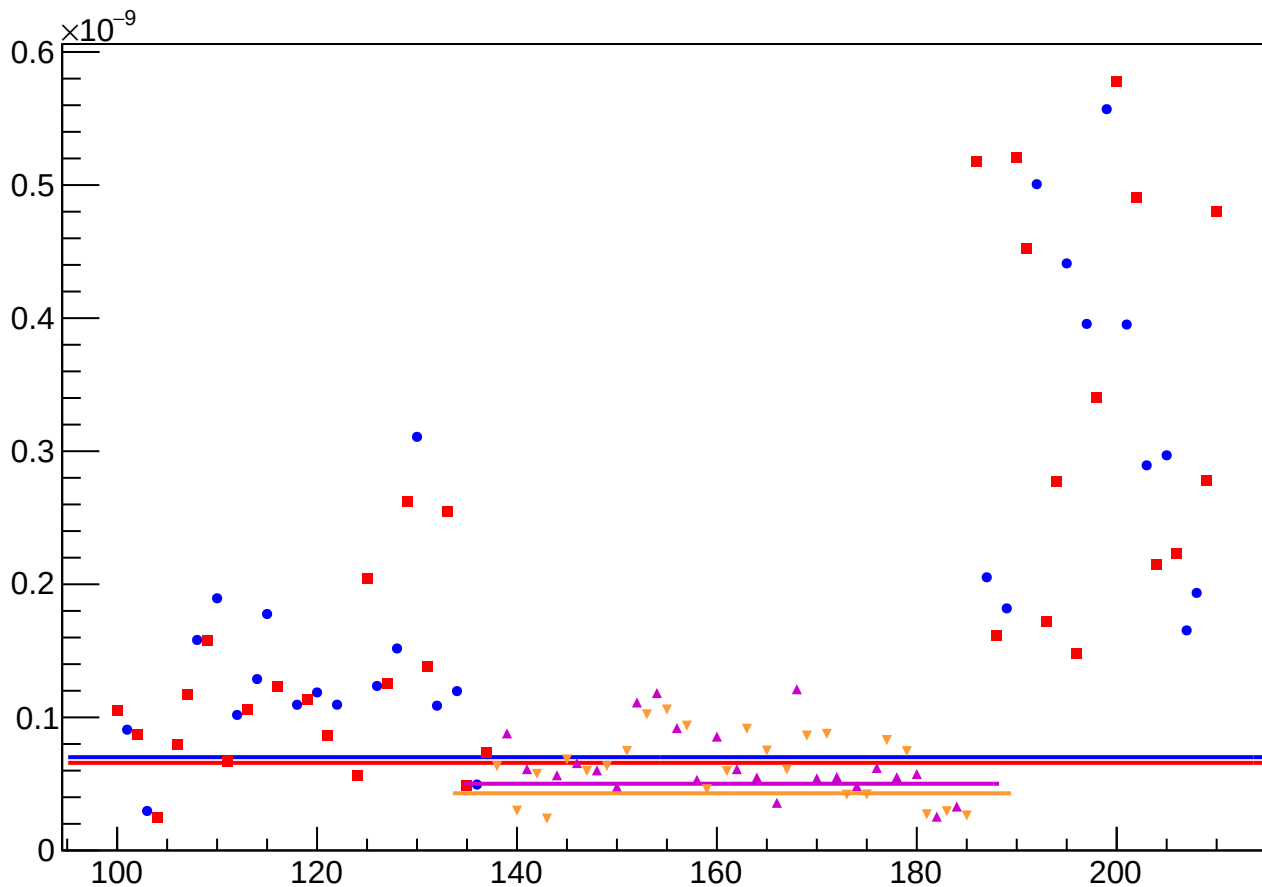
Left In: 0.000+/-0.000 χ^2/NDF : 27.6/22

+ sign -0.000+/-0.000 χ^2/NDF : 42.4/51

All: 0.000+/-0.000 χ^2/NDF : 102.8/107

- sign 0.000+/-0.000 χ^2/NDF : 57.4/55

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9179901.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5074676.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 10115012.0/32

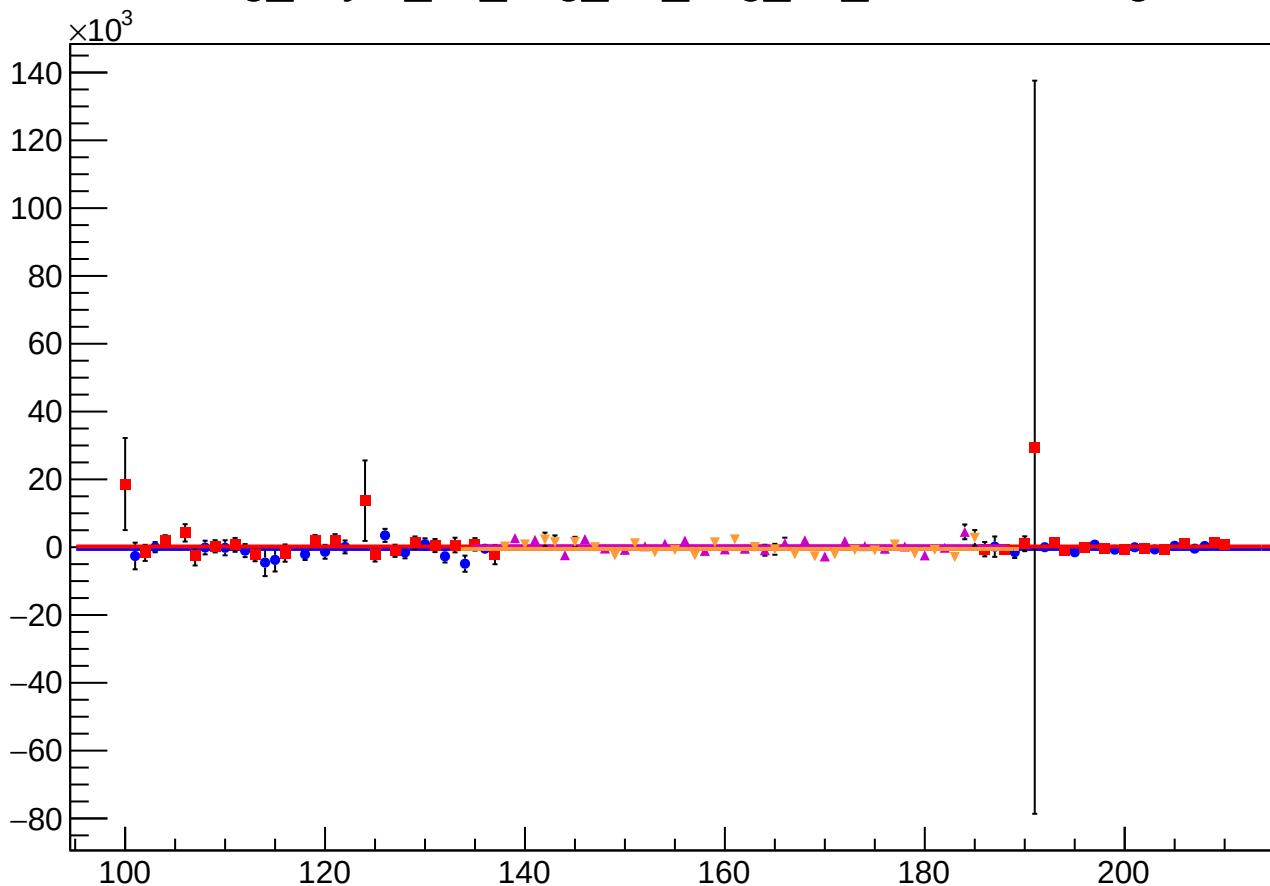
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3611362.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15487265.1/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29872497.9/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14155401.6/55

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -507.477+/-322.368 χ^2/NDF : 16.6/26

Left Out: -514.484+/-285.945 χ^2/NDF : 30.9/24

Right Out: 201.580+/-306.871 χ^2/NDF : 20.6/32

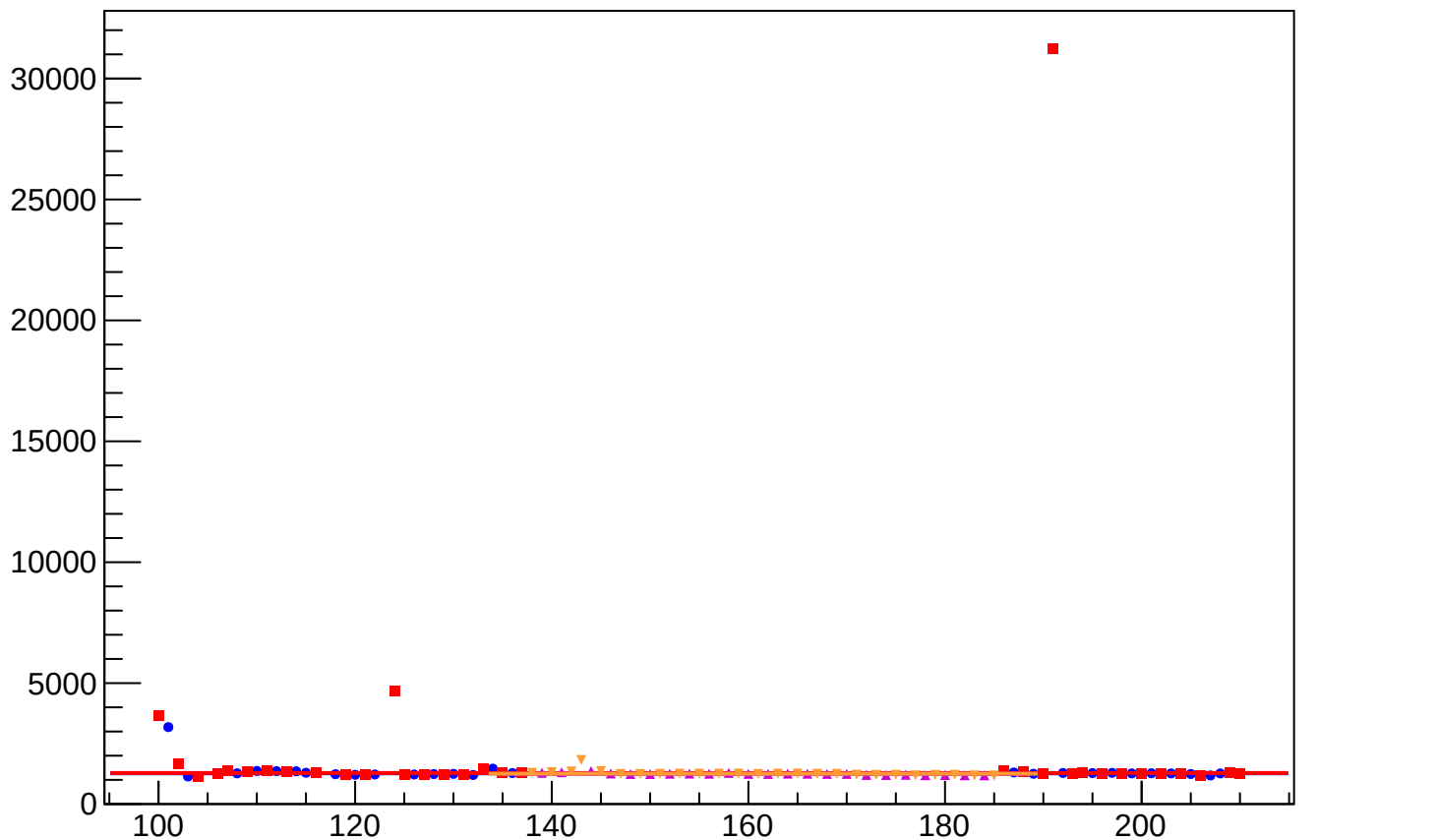
Left In: 242.686+/-291.166 χ^2/NDF : 32.0/22

+ sign -511.399+/-213.917 χ^2/NDF : 47.6/51

All: -139.433+/-150.299 χ^2/NDF : 106.2/107

- sign 223.211+/-211.219 χ^2/NDF : 52.6/55

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF : 532300.0/26

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.1/24

Right Out: 1283.681+/-0.217 χ^2/NDF : 507647.8/32

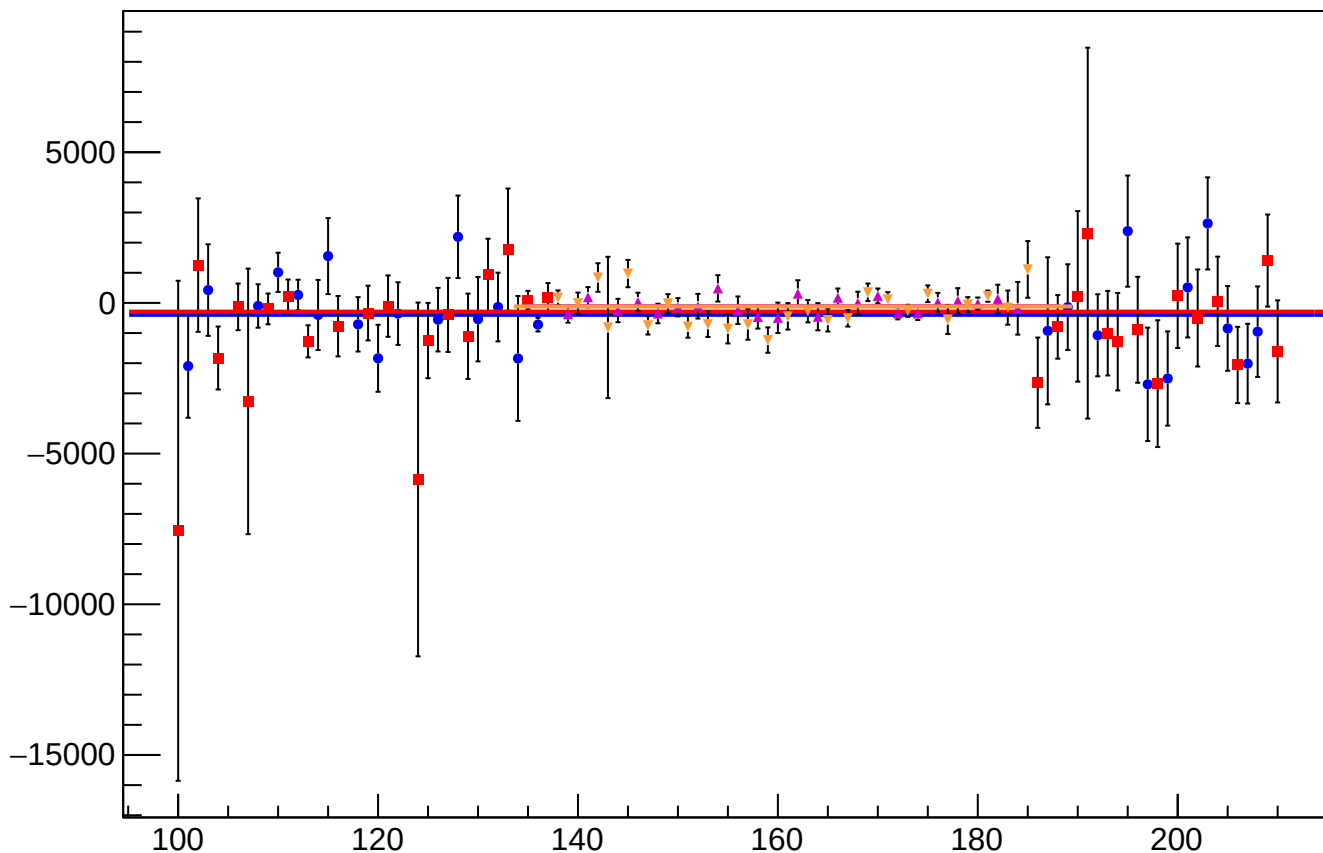
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF : 738172.7/51

All: 1263.303+/-0.106 χ^2/NDF : 1301298.4/100

- sign 1264.038+/-0.149 χ^2/NDF : 563076.6/55

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug



Right In: -394.964 ± 158.421 χ^2/NDF : 30.1/26

Left Out: -117.028 ± 65.059 χ^2/NDF : 48.4/24

Right Out: -288.112 ± 157.550 χ^2/NDF : 23.9/32

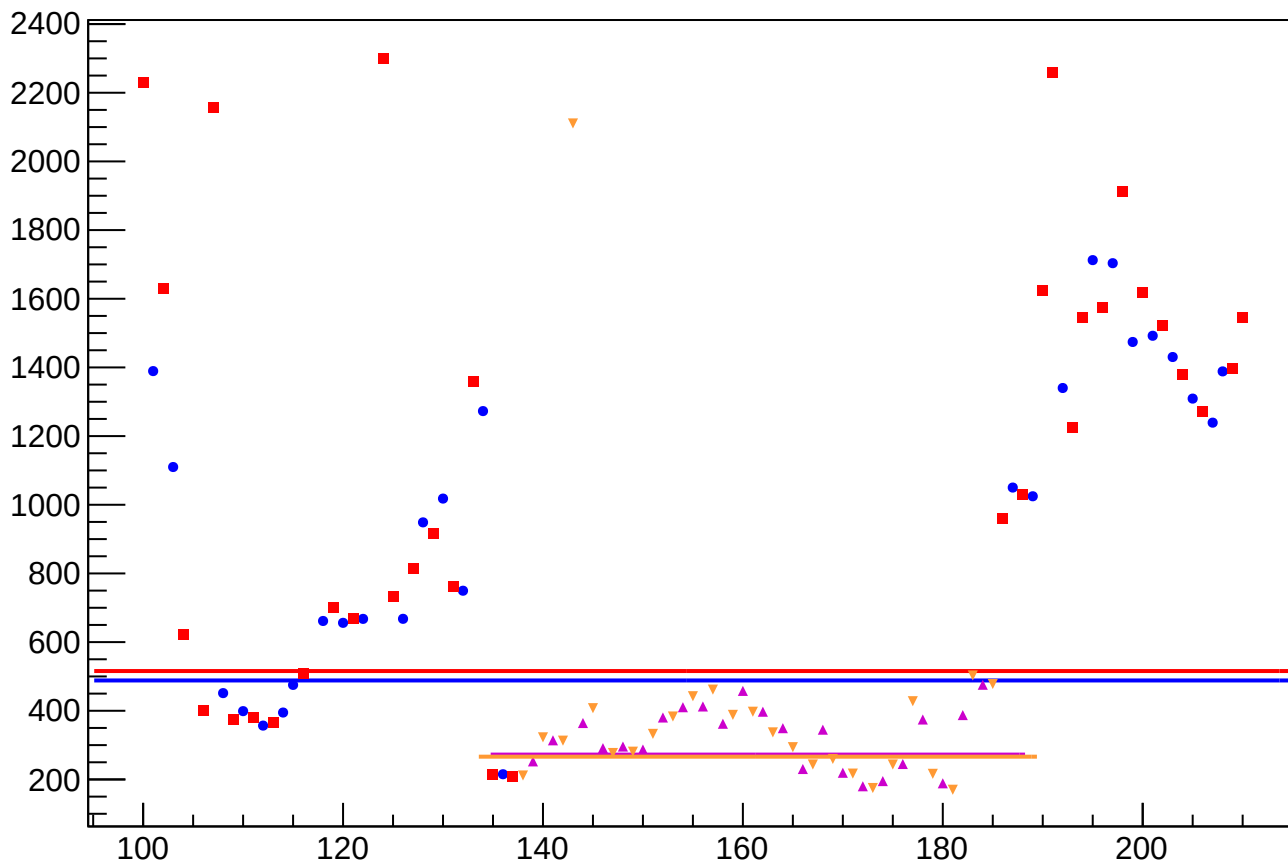
Left In: -107.341 ± 67.001 χ^2/NDF : 13.7/22

+ sign -157.138 ± 60.182 χ^2/NDF : 81.2/51

All: -146.350 ± 43.067 χ^2/NDF : 120.0/107

- sign -135.027 ± 61.657 χ^2/NDF : 38.8/55

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 488.290 $\pm$ 0.112 χ^2 /NDF: 12288650.2/26

Left Out: 266.321 $\pm$ 0.046 χ^2 /NDF: 4630130.4/24

Right Out: 515.728 $\pm$ 0.111 χ^2 /NDF: 13710459.9/32

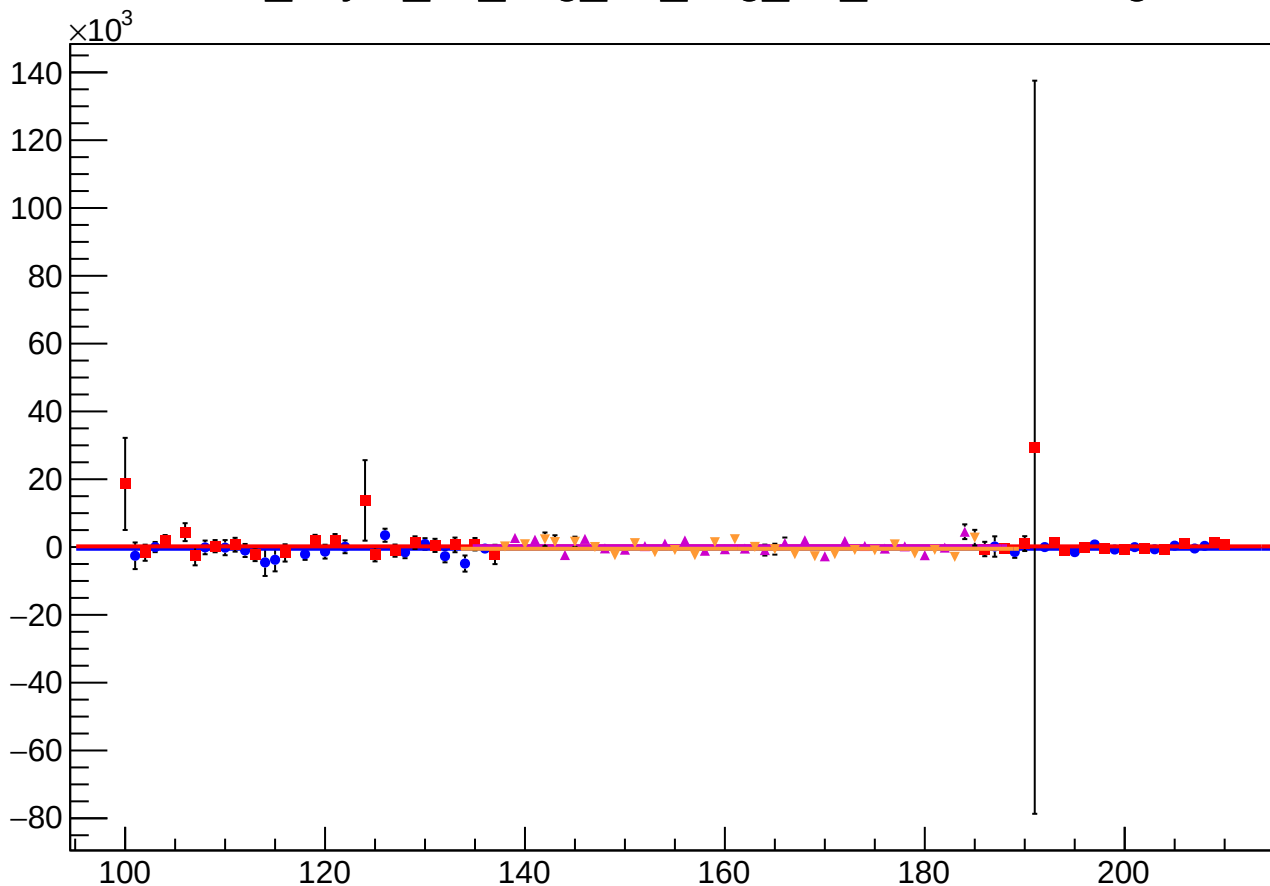
Left In: 272.368 $\pm$ 0.047 χ^2 /NDF: 2887823.5/22

+ sign 298.354 $\pm$ 0.043 χ^2 /NDF: 20278535.2/51

All: 303.860 $\pm$ 0.030 χ^2 /NDF: 40952199.4/10

- sign 309.639 $\pm$ 0.044 χ^2 /NDF: 20639350.2/55

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -507.337 $\pm$ 322.368 χ^2 /NDF: 16.6/26

Left Out: -514.430 $\pm$ 285.945 χ^2 /NDF:30.9/24

Right Out: 200.417 $\pm$ 307.003 χ^2 /NDF: 20.6/32

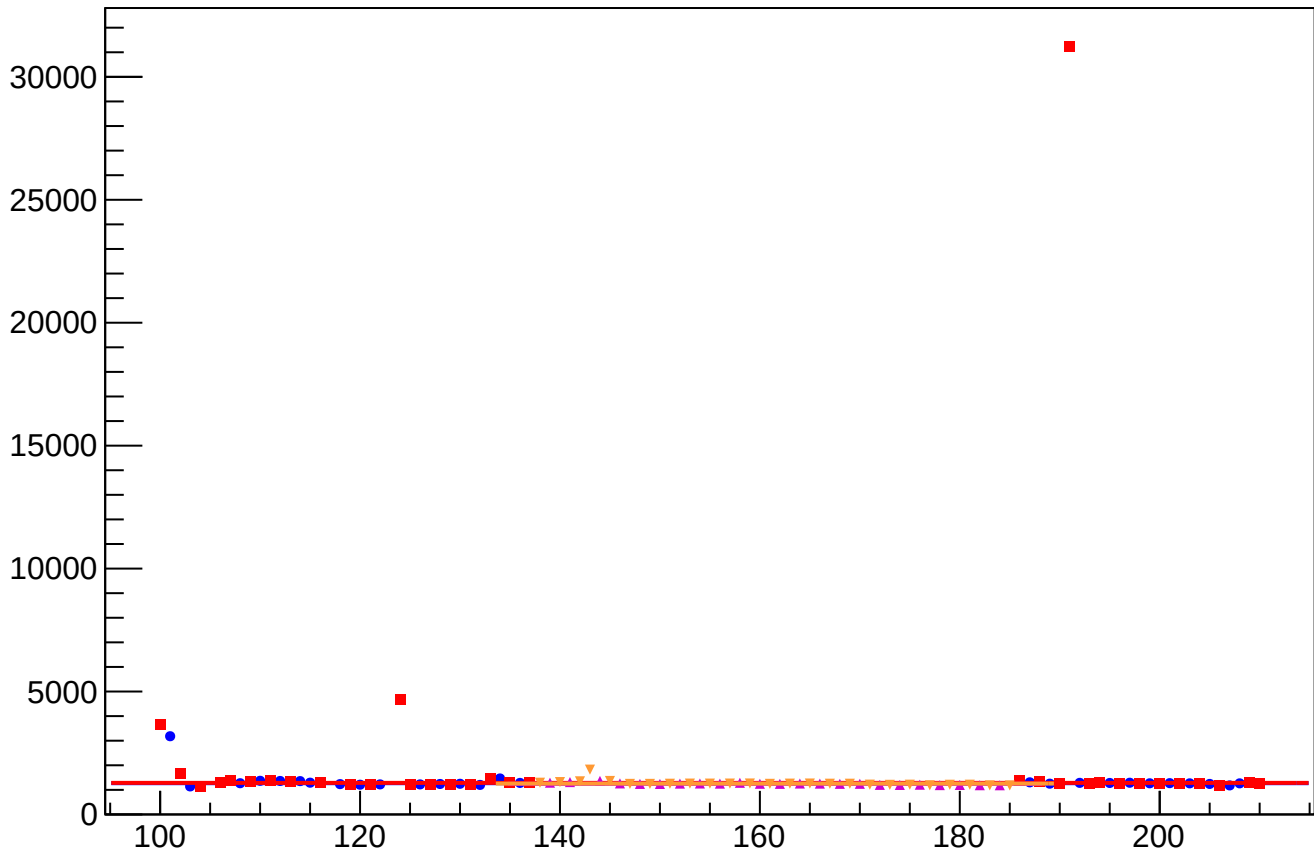
Left In: 242.663 $\pm$ 291.166 χ^2 /NDF:32.0/22

+ sign -511.307 $\pm$ 213.917 χ^2 /NDF: 47.6/51

All: -139.742 $\pm$ 150.315 χ^2 /NDF: 106.2/107

- sign 222.657 $\pm$ 211.262 χ^2 /NDF: 52.7/55

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1271.489 $\pm$ 0.228 χ^2 /NDF: 532301.3/26

Left Out: 1255.514 $\pm$ 0.202 χ^2 /NDF: 203124.0/24

Right Out: 1284.249 $\pm$ 0.217 χ^2 /NDF: 507628.7/32

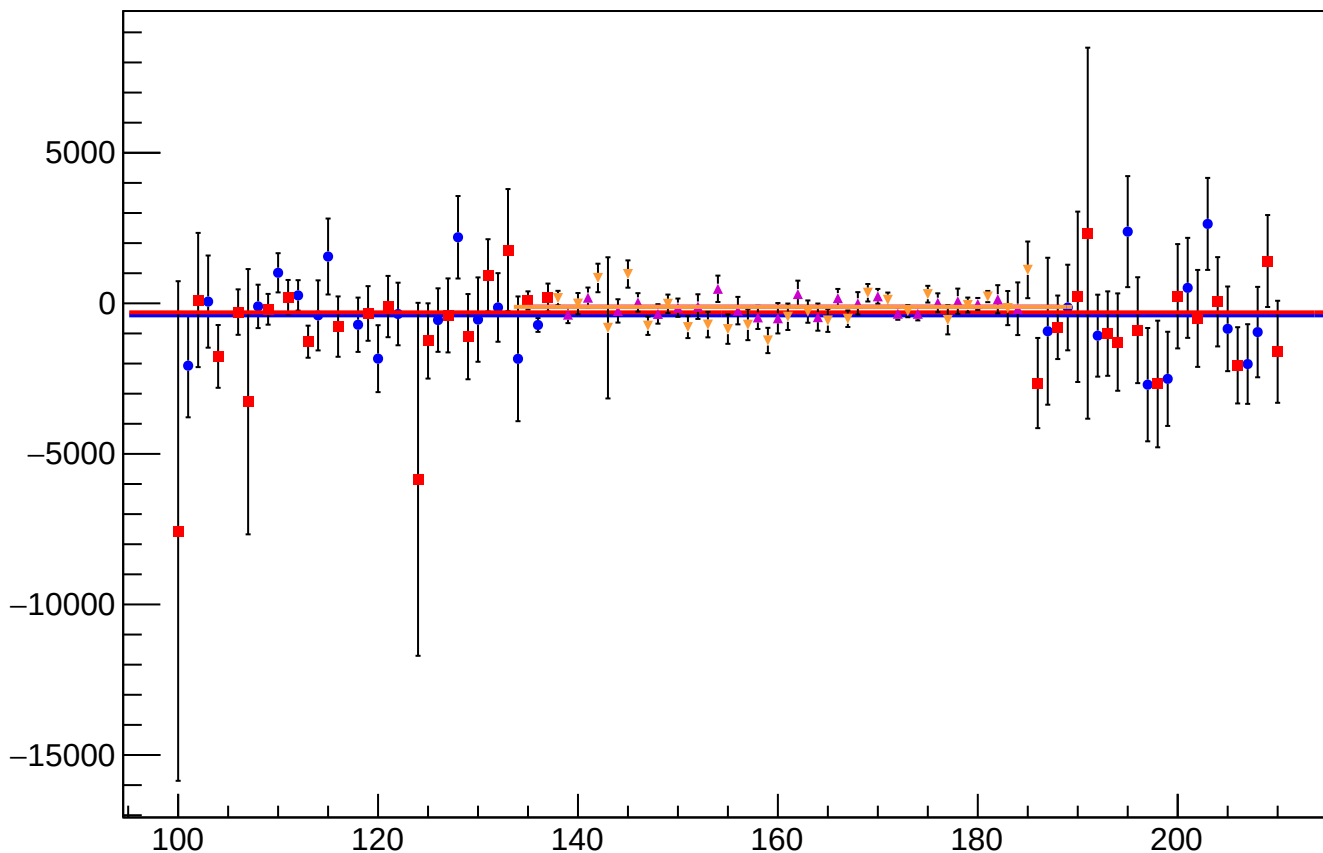
Left In: 1246.355 $\pm$ 0.206 χ^2 /NDF: 39857.0/22

+ sign 1262.548 $\pm$ 0.151 χ^2 /NDF: 738174.0/51

All: 1263.435 $\pm$ 0.106 χ^2 /NDF: 1301769.3/10

- sign 1264.299 $\pm$ 0.149 χ^2 /NDF: 563527.5/55

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug



Right In: -398.922 ± 158.437 χ^2/NDF : 29.9/26

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -299.308 ± 157.392 χ^2/NDF : 23.2/32

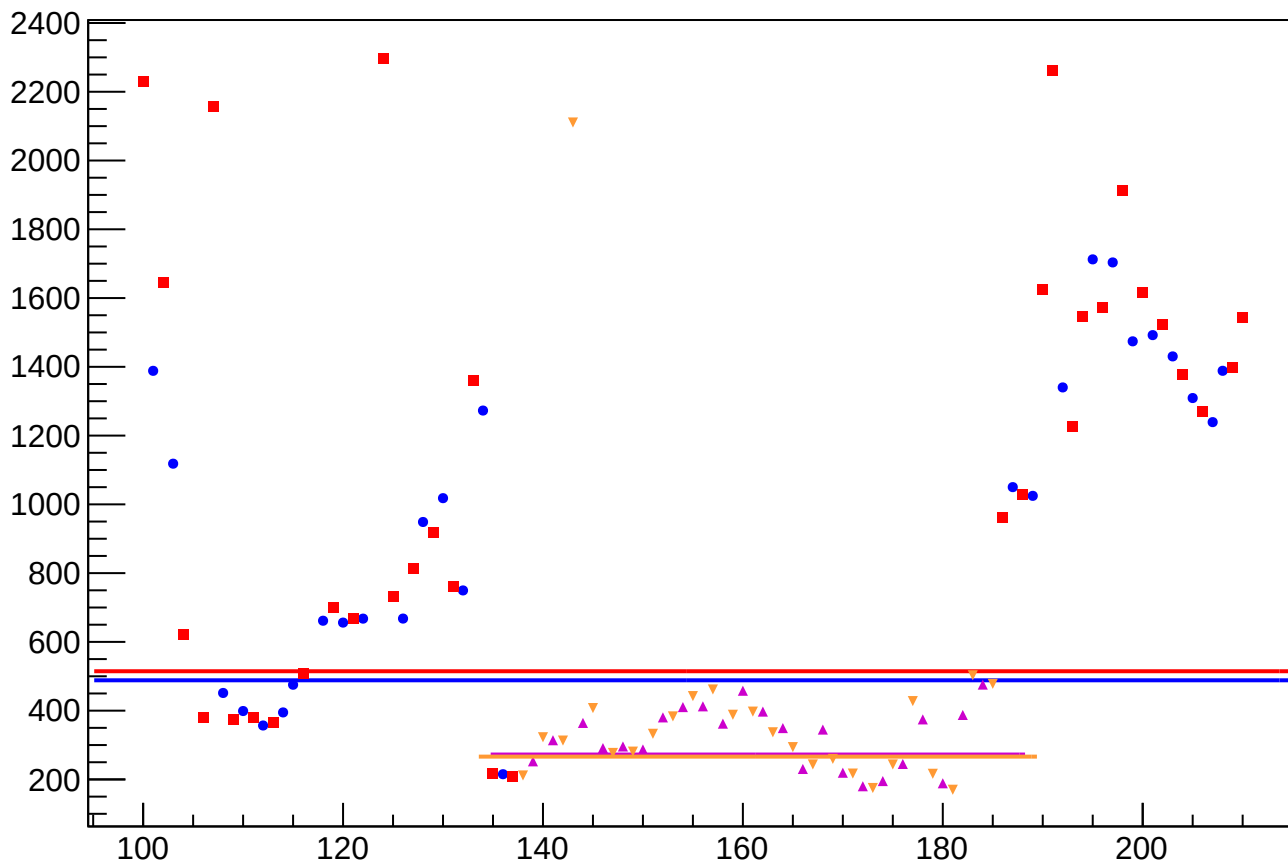
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -157.681 ± 60.184 χ^2/NDF : 81.0/51

All: -147.537 ± 43.065 χ^2/NDF : 119.3/107

- sign -136.893 ± 61.649 χ^2/NDF : 38.2/55

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 488.306 $\pm$ 0.112 χ^2 /NDF: 12291734.8/26

Left Out: 266.326 $\pm$ 0.046 χ^2 /NDF: 4630167.4/24

Right Out: 514.650 $\pm$ 0.111 χ^2 /NDF: 13736257.1/32

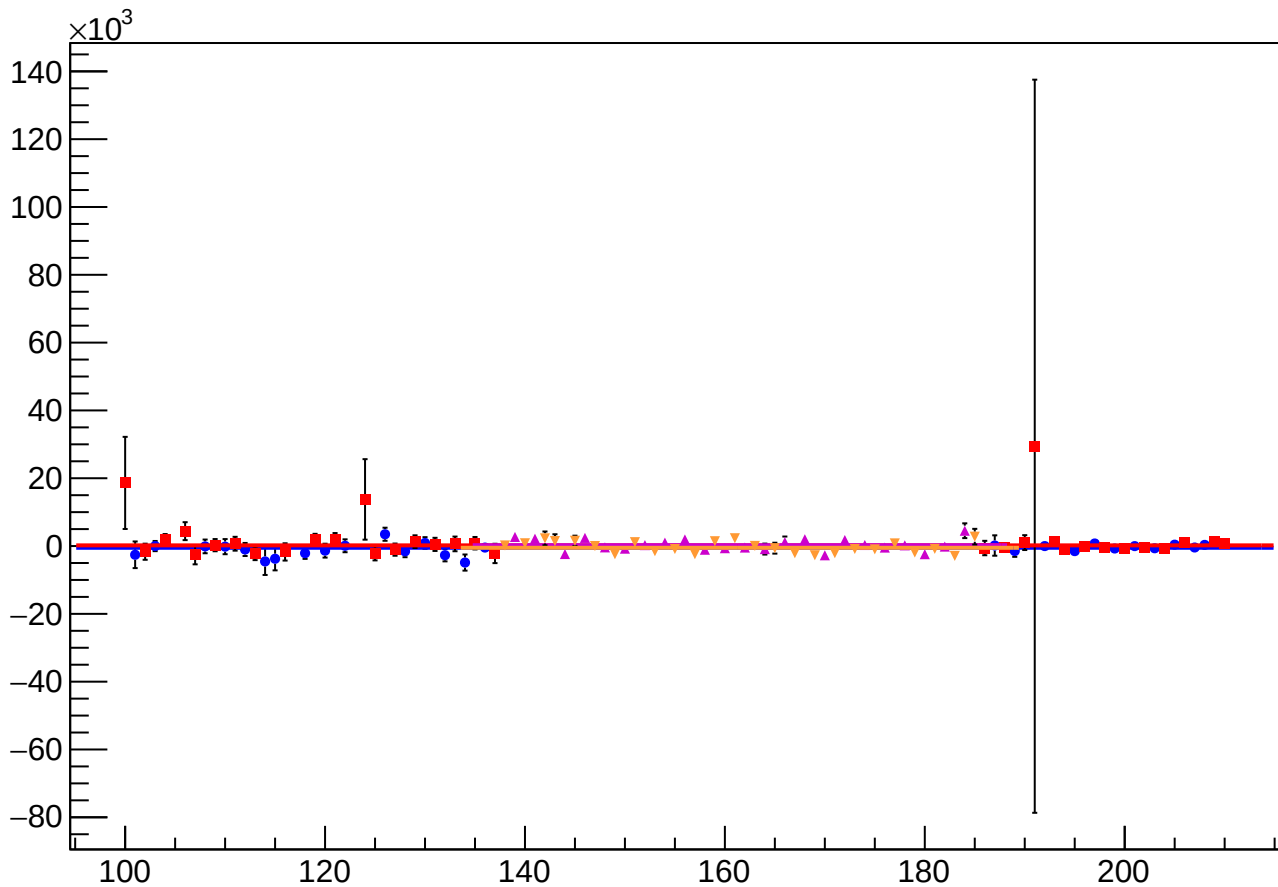
Left In: 272.378 $\pm$ 0.047 χ^2 /NDF: 2887597.1/22

+ sign 298.356 $\pm$ 0.043 χ^2 /NDF: 20281333.5/51

All: 303.817 $\pm$ 0.030 χ^2 /NDF: 40950765.3/10

- sign 309.548 $\pm$ 0.044 χ^2 /NDF: 20635684.7/55

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -507.337 ± 322.368 χ^2/NDF : 16.6/26

Left Out: -514.430 ± 285.945 χ^2/NDF : 30.9/24

Right Out: 200.417 ± 307.003 χ^2/NDF : 20.6/32

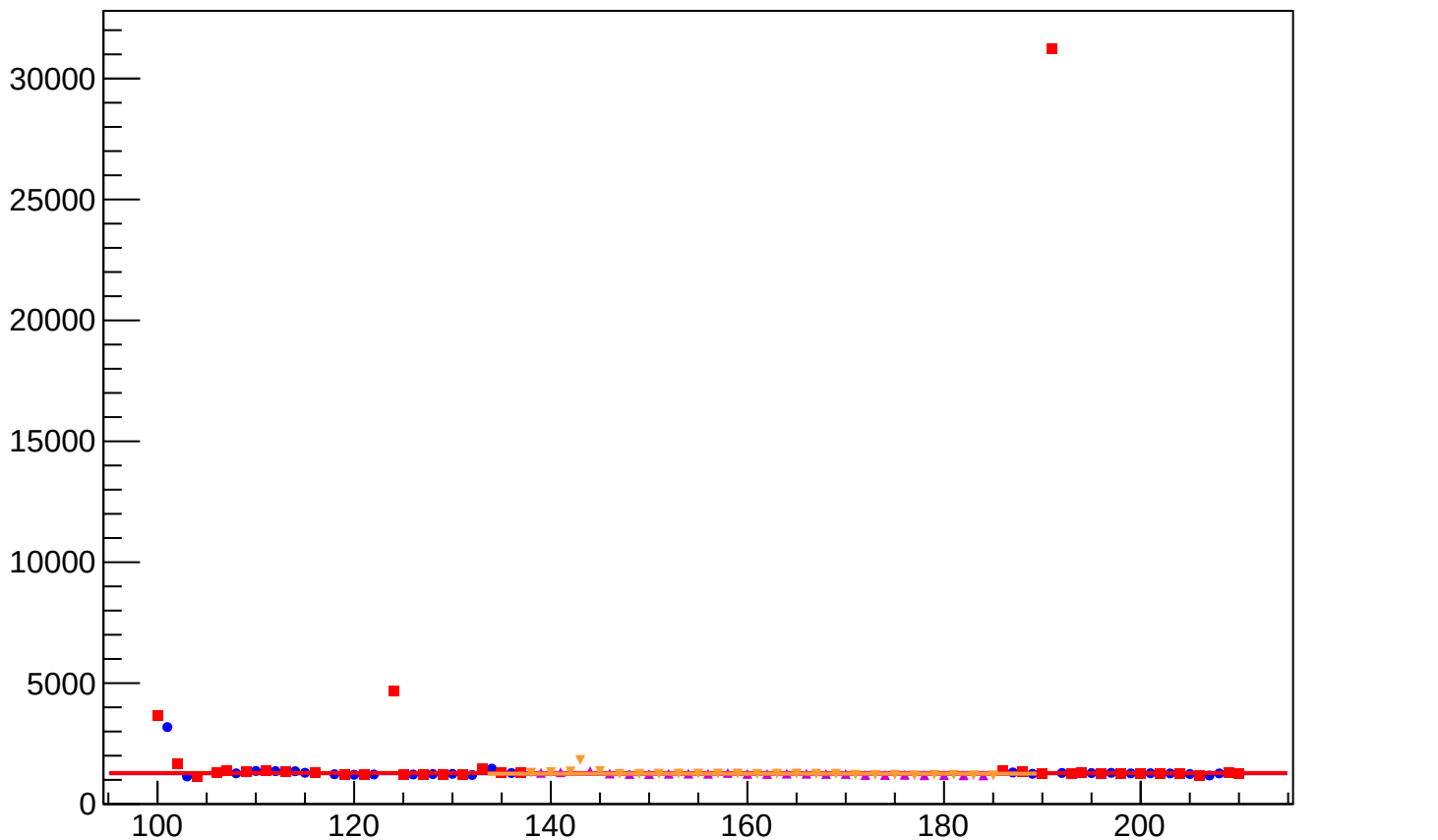
Left In: 242.663 ± 291.166 χ^2/NDF : 32.0/22

+ sign -511.307 ± 213.917 χ^2/NDF : 47.6/51

All: -139.742 ± 150.315 χ^2/NDF : 106.2/107

- sign 222.657 ± 211.262 χ^2/NDF : 52.7/55

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF : 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.0/24

Right Out: 1284.249+/-0.217 χ^2/NDF : 507628.7/32

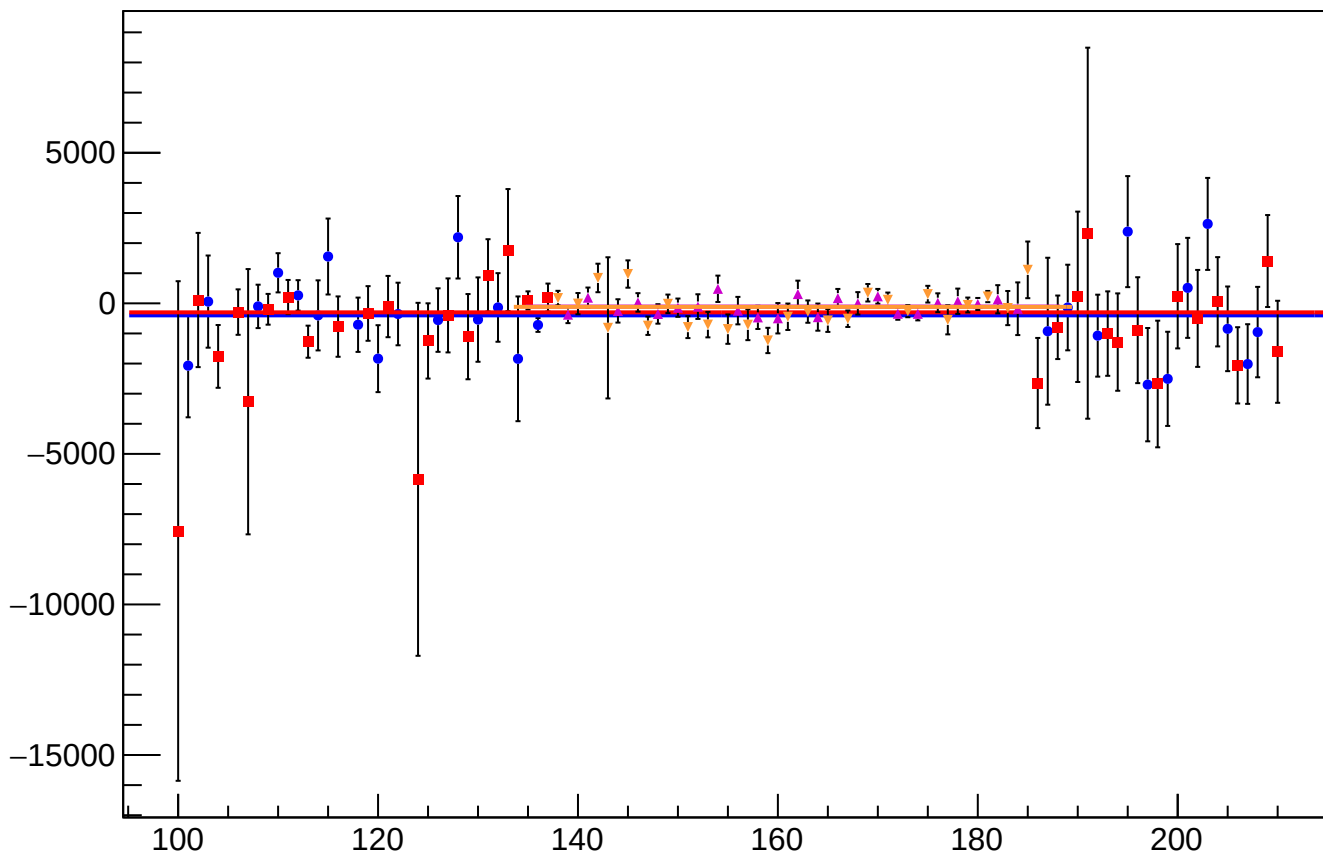
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF : 738174.0/51

All: 1263.435+/-0.106 χ^2/NDF : 1301769.3/10

- sign 1264.299+/-0.149 χ^2/NDF : 563527.5/55

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: -398.922 ± 158.437 χ^2/NDF : 29.9/26

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -299.308 ± 157.392 χ^2/NDF : 23.2/32

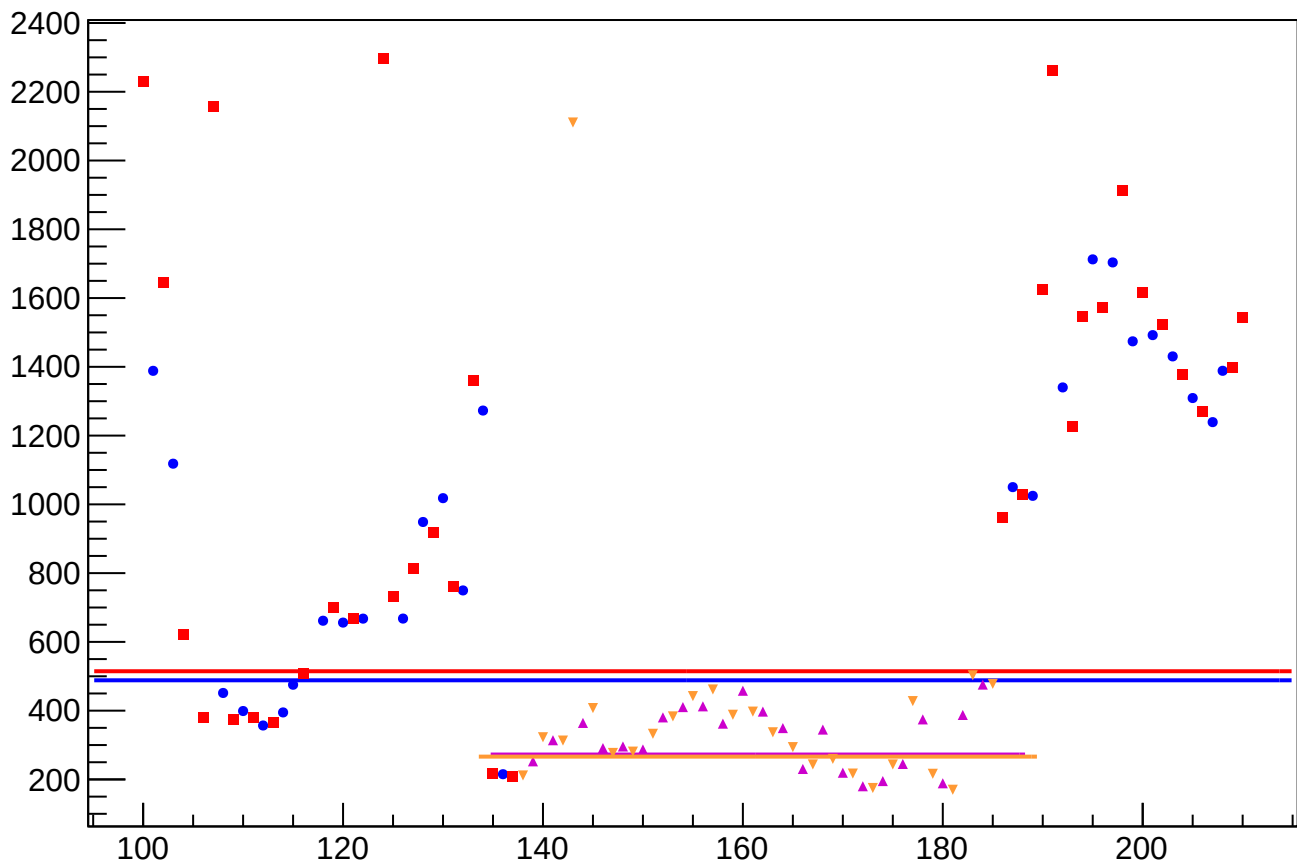
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -157.681 ± 60.184 χ^2/NDF : 81.0/51

All: -147.537 ± 43.065 χ^2/NDF : 119.3/107

- sign -136.893 ± 61.649 χ^2/NDF : 38.2/55

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 488.306+/-0.112 χ^2/NDF : 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF : 4630167.4/24

Right Out: 514.650+/-0.111 χ^2/NDF : 13736257.1/32

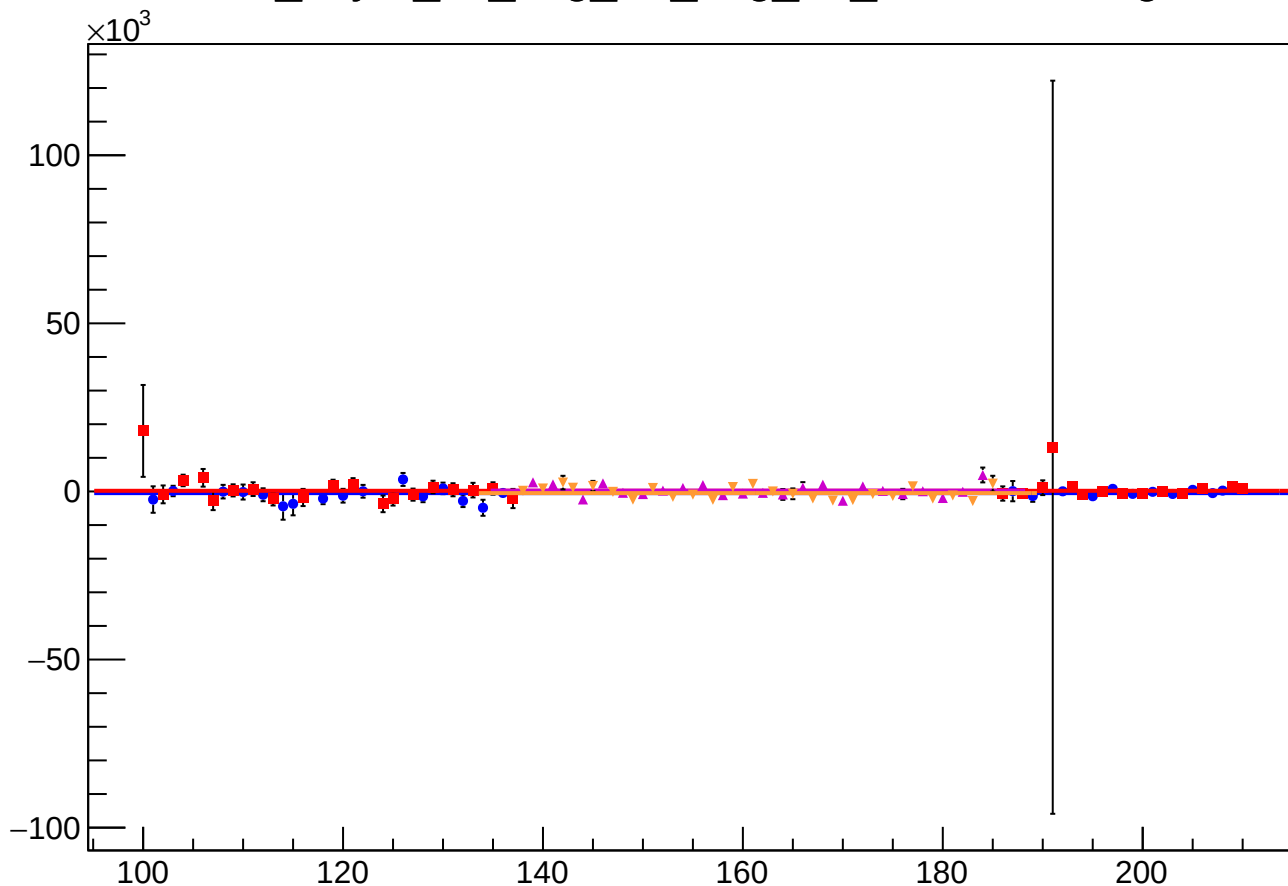
Left In: 272.378+/-0.047 χ^2/NDF : 2887597.1/22

+ sign 298.356+/-0.043 χ^2/NDF : 20281333.5/51

All: 303.817+/-0.030 χ^2/NDF : 40950765.3/10

- sign 309.548+/-0.044 χ^2/NDF : 20635684.7/55

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -501.118 ± 323.350 χ^2/NDF : 16.6/26

Left Out: -493.436 ± 282.734 χ^2/NDF : 34.2/24

Right Out: 194.371 ± 306.419 χ^2/NDF : 22.5/32

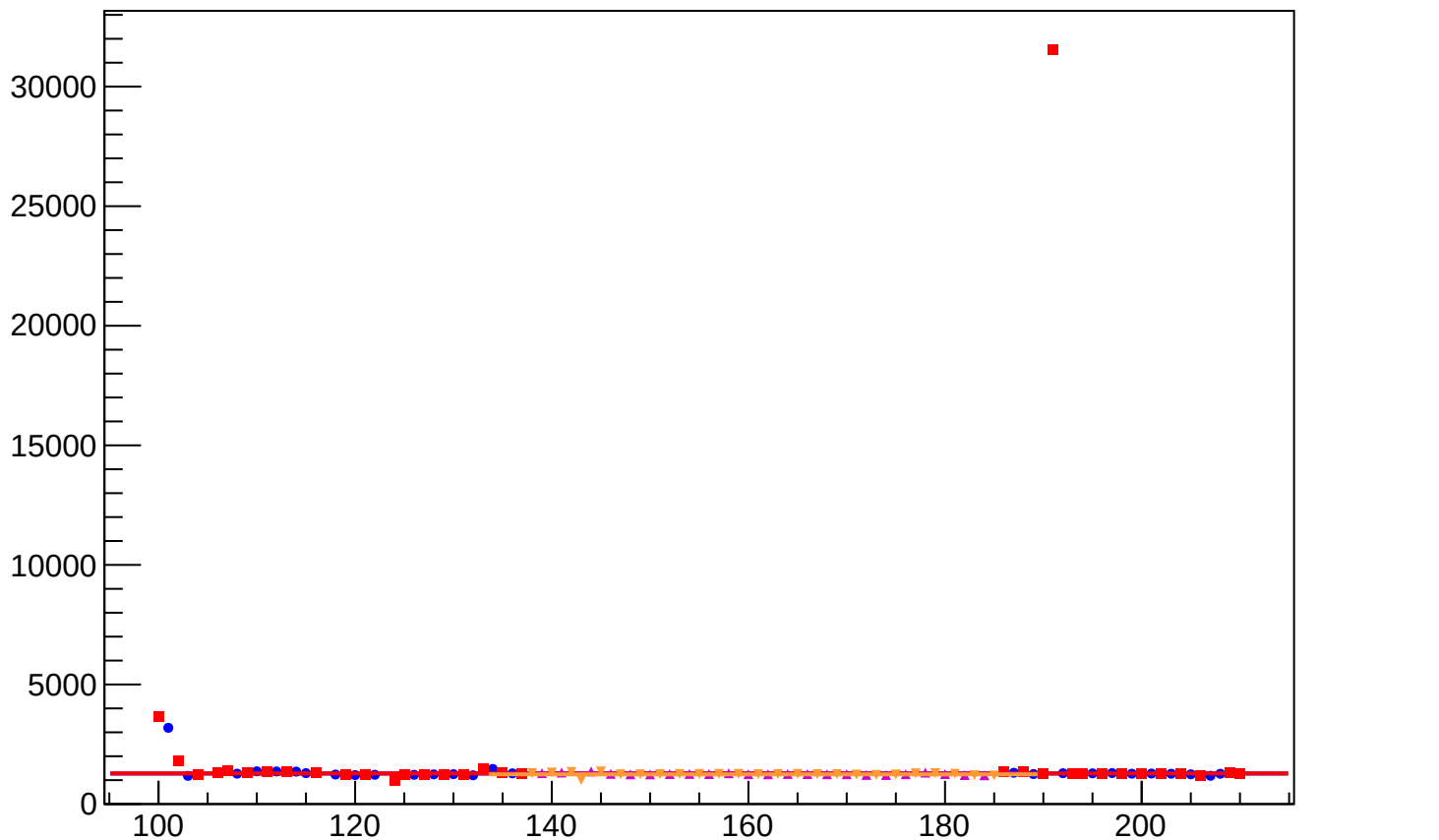
Left In: 242.004 ± 294.339 χ^2/NDF : 30.7/22

+ sign -496.764 ± 212.843 χ^2/NDF : 50.8/51

All: -137.847 ± 150.300 χ^2/NDF : 109.7/107

- sign 219.145 ± 212.271 χ^2/NDF : 53.2/55

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1275.447 $\pm$ 0.229 χ^2 /NDF: 525053.6/26

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF:130023.1/24

Right Out: 1281.875 $\pm$ 0.217 χ^2 /NDF: 388022.5/32

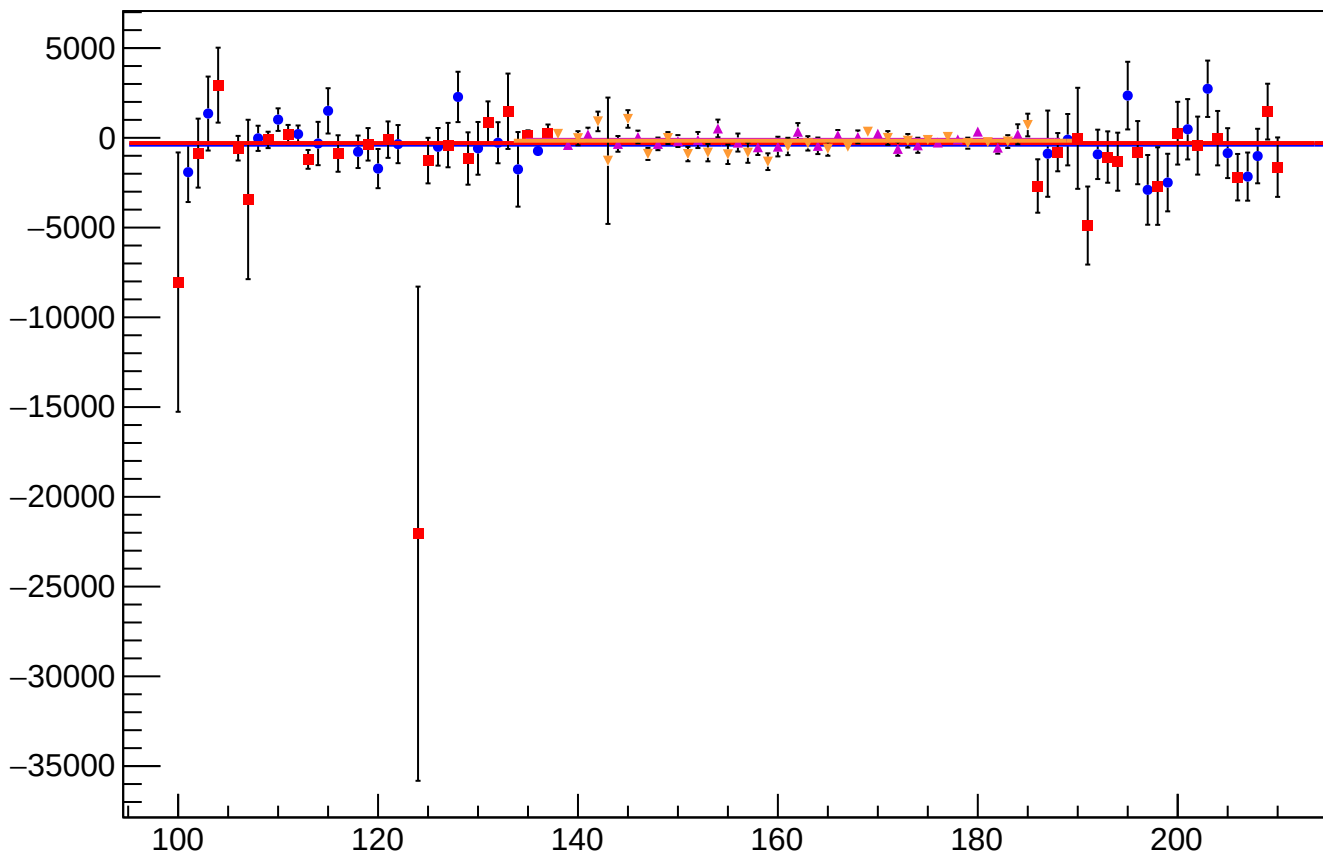
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF:27932.1/22

+ sign 1256.798 $\pm$ 0.151 χ^2 /NDF: 666815.8/51

All: 1263.691 $\pm$ 0.106 χ^2 /NDF: 1092210.6/10

- sign 1270.547 $\pm$ 0.150 χ^2 /NDF: 421210.7/55

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug



Right In: -381.169 ± 160.116 χ^2/NDF : 30.5/26

Left Out: -160.930 ± 64.133 χ^2/NDF : 43.8/24

Right Out: -290.097 ± 157.449 χ^2/NDF : 30.0/32

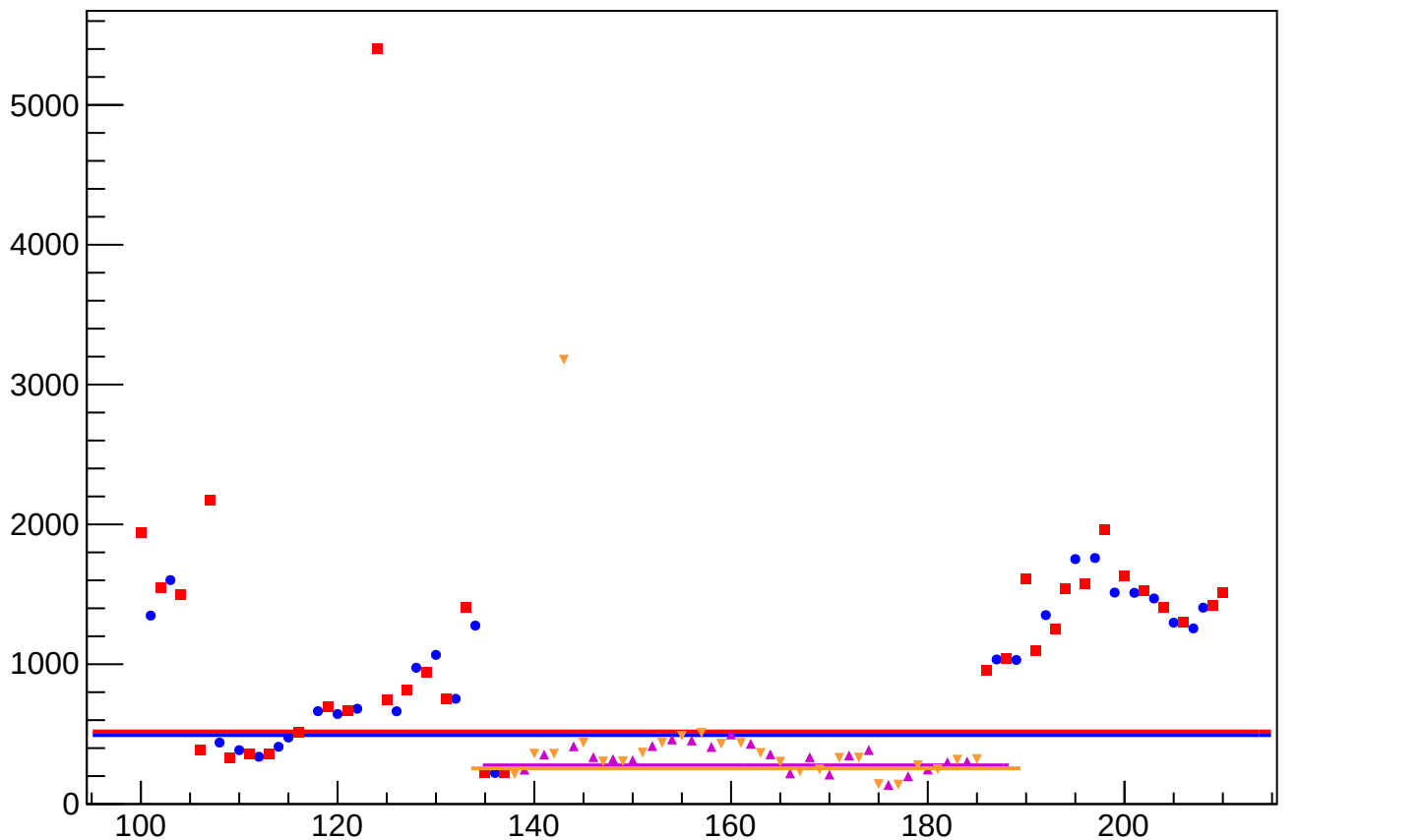
Left In: -113.722 ± 68.841 χ^2/NDF : 18.2/22

+ sign -191.378 ± 59.535 χ^2/NDF : 75.8/51

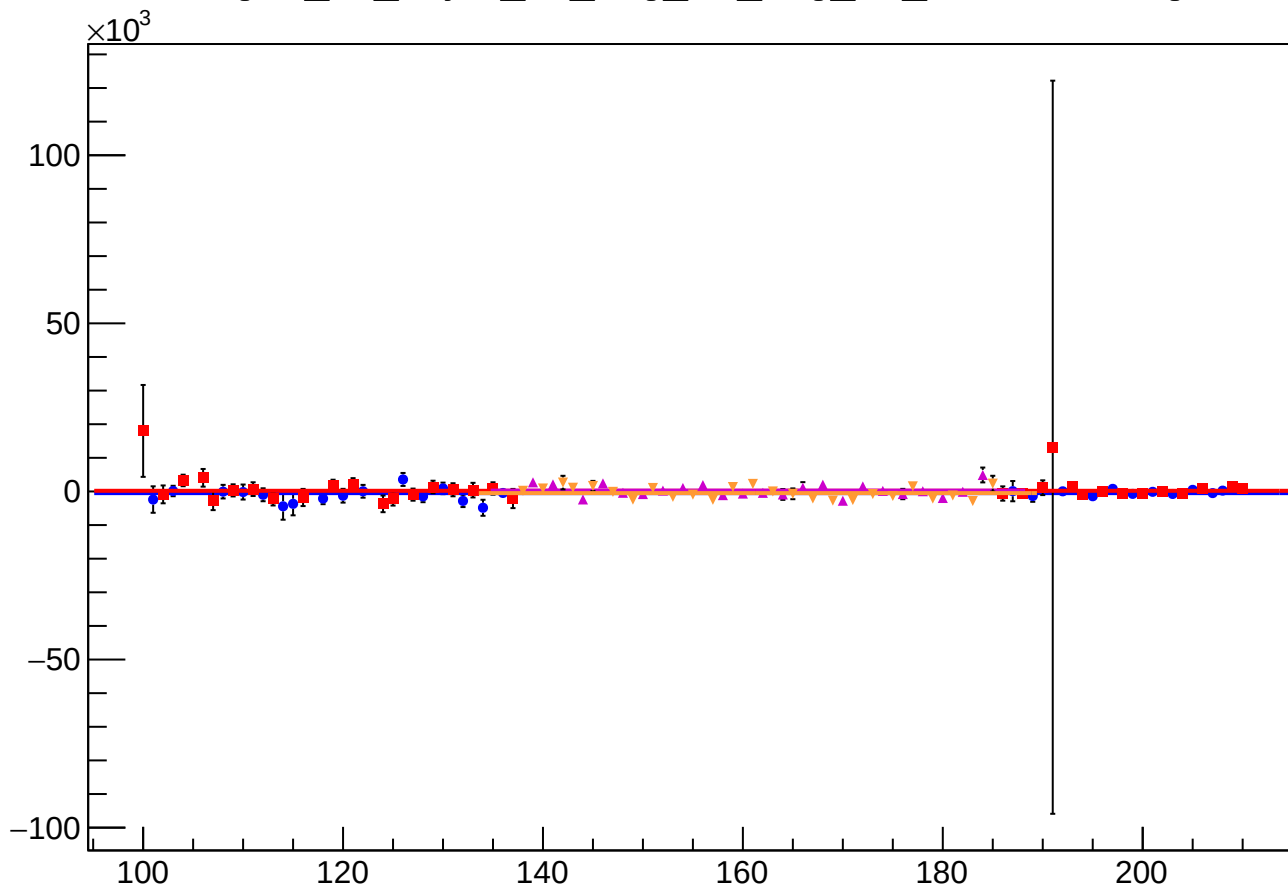
All: -168.127 ± 43.295 χ^2/NDF : 125.4/107

- sign -142.027 ± 63.075 χ^2/NDF : 49.3/55

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -501.118 $\pm$ 323.350 χ^2 /NDF: 16.6/26

Left Out: -493.435 $\pm$ 282.734 χ^2 /NDF: 34.2/24

Right Out: 194.371 $\pm$ 306.419 χ^2 /NDF: 22.5/32

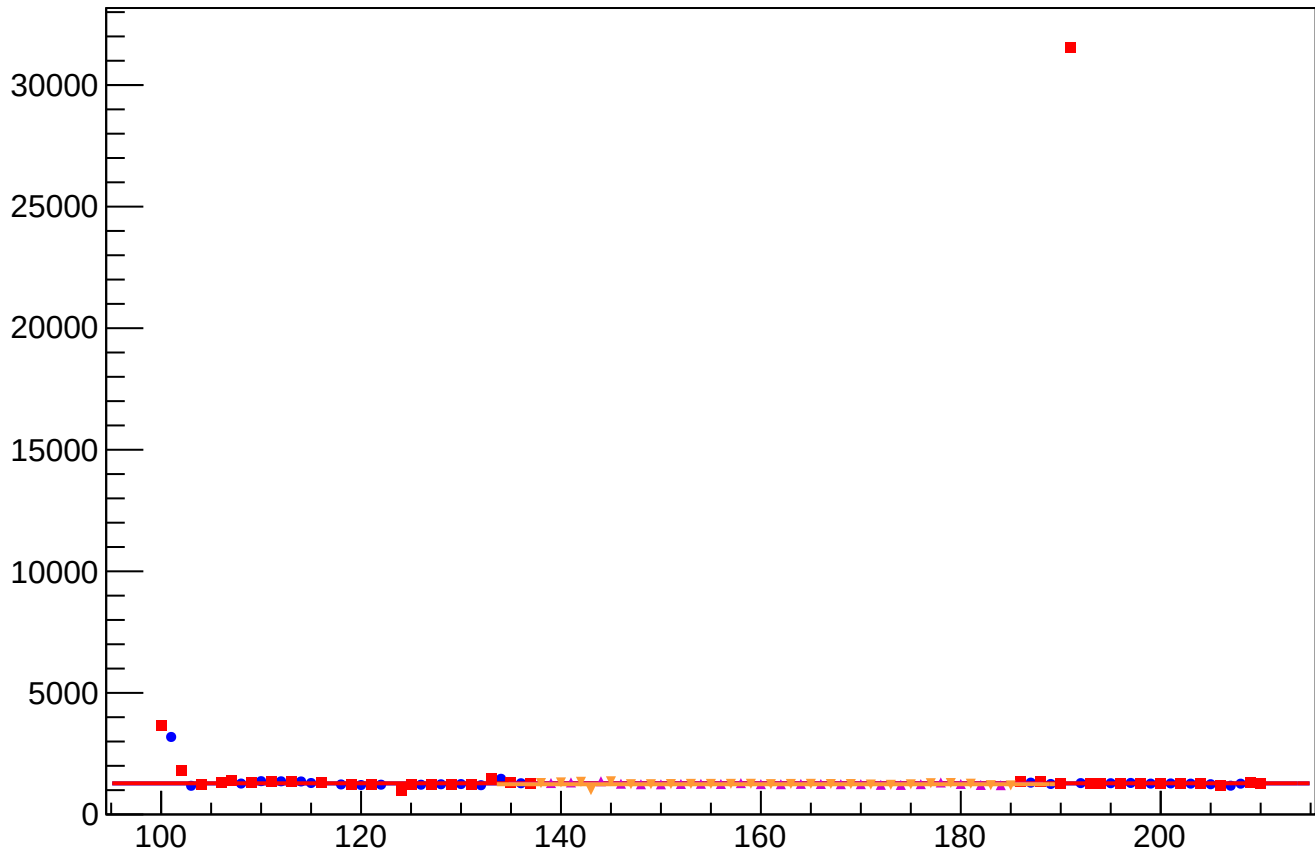
Left In: 242.004 $\pm$ 294.339 χ^2 /NDF: 30.7/22

+ sign -496.764 $\pm$ 212.843 χ^2 /NDF: 50.8/51

All: -137.847 $\pm$ 150.300 χ^2 /NDF: 109.7/107

- sign 219.145 $\pm$ 212.271 χ^2 /NDF: 53.2/55

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1275.447+/-0.229 χ^2/NDF : 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF : 130022.2/24

Right Out: 1281.875+/-0.217 χ^2/NDF : 388022.8/32

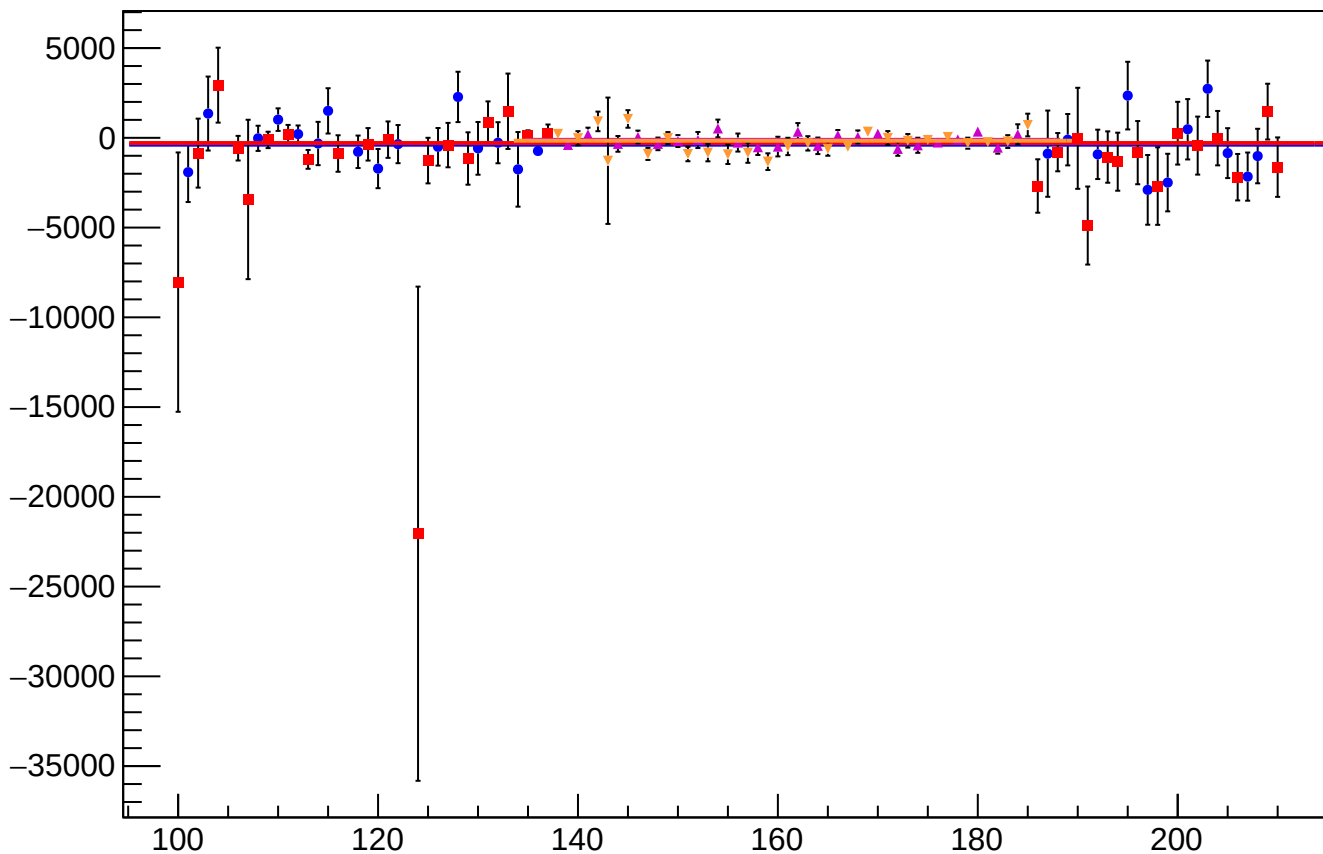
Left In: 1260.094+/-0.208 χ^2/NDF : 27932.2/22

+ sign 1256.798+/-0.151 χ^2/NDF : 666814.9/51

All: 1263.691+/-0.106 χ^2/NDF : 1092210.1/10

- sign 1270.547+/-0.150 χ^2/NDF : 421211.1/55

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: -381.170 ± 160.118 χ^2/NDF : 30.5/26

Left Out: -160.933 ± 64.133 χ^2/NDF : 43.8/24

Right Out: -290.105 ± 157.451 χ^2/NDF : 30.0/32

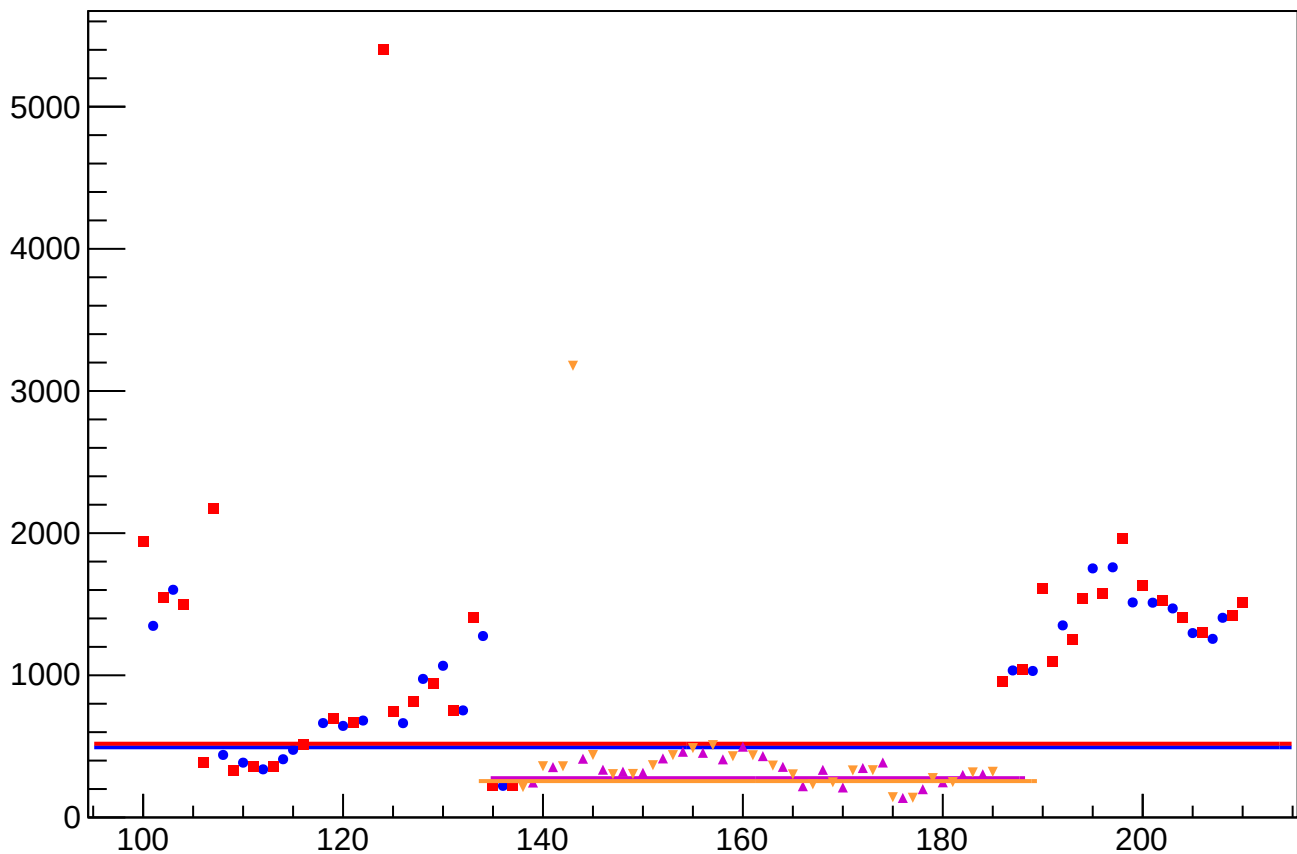
Left In: -113.720 ± 68.841 χ^2/NDF : 18.2/22

+ sign -191.381 ± 59.535 χ^2/NDF : 75.8/51

All: -168.128 ± 43.295 χ^2/NDF : 125.4/107

- sign -142.027 ± 63.075 χ^2/NDF : 49.3/55

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 493.632+/-0.113 χ^2/NDF : 12439931.8/26

Left Out: 255.770+/-0.045 χ^2/NDF : 6373829.7/24

Right Out: 518.759+/-0.111 χ^2/NDF : 14250040.9/32

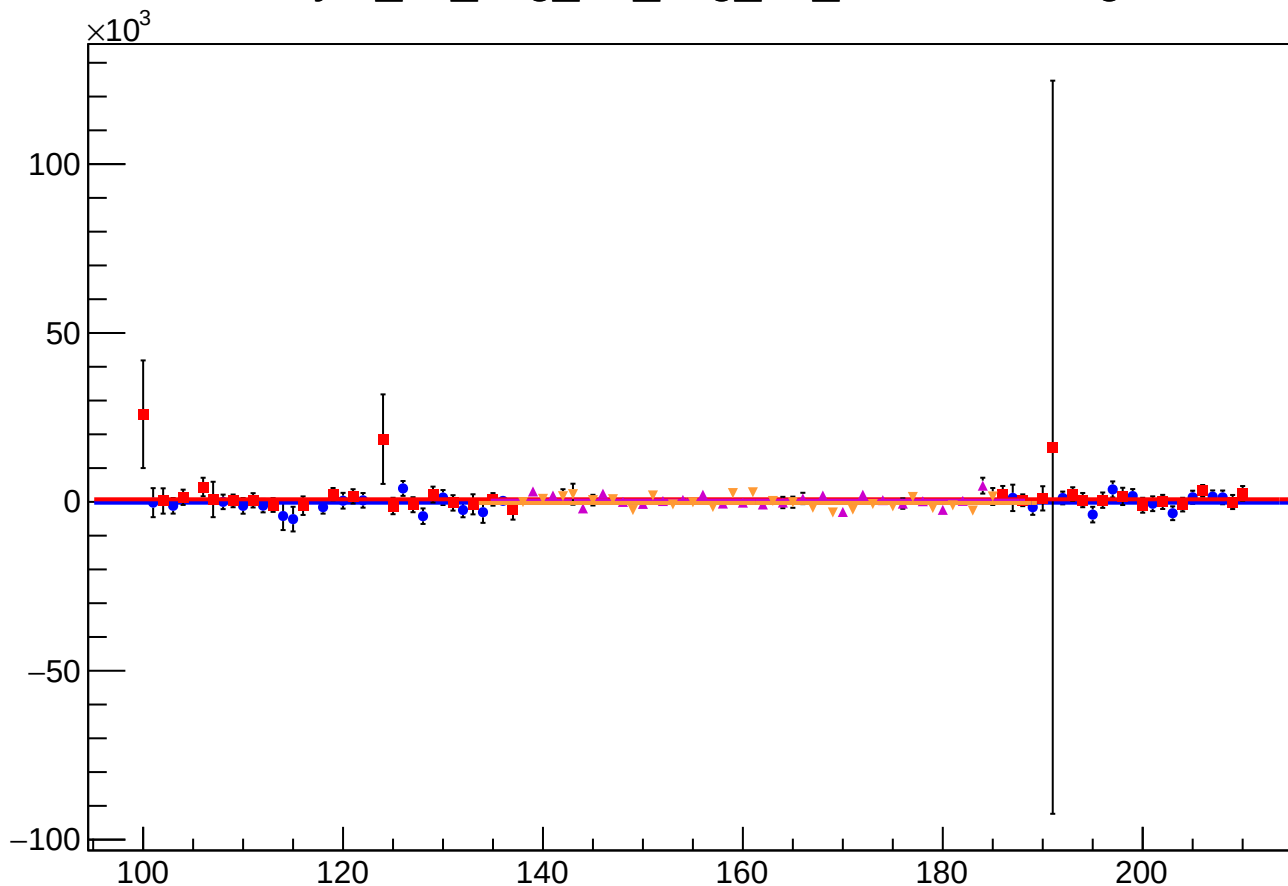
Left In: 276.299+/-0.049 χ^2/NDF : 4027371.0/22

+ sign 288.654+/-0.042 χ^2/NDF : 22617258.1/51

All: 301.166+/-0.031 χ^2/NDF : 45063690.3/10

- sign 315.210+/-0.045 χ^2/NDF : 22258947.4/55

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -242.290+/-424.968 χ^2/NDF : 24.6/26

Left Out: -319.744+/-298.271 χ^2/NDF : 31.6/24

Right Out: 762.763+/-410.638 χ^2/NDF : 16.7/32

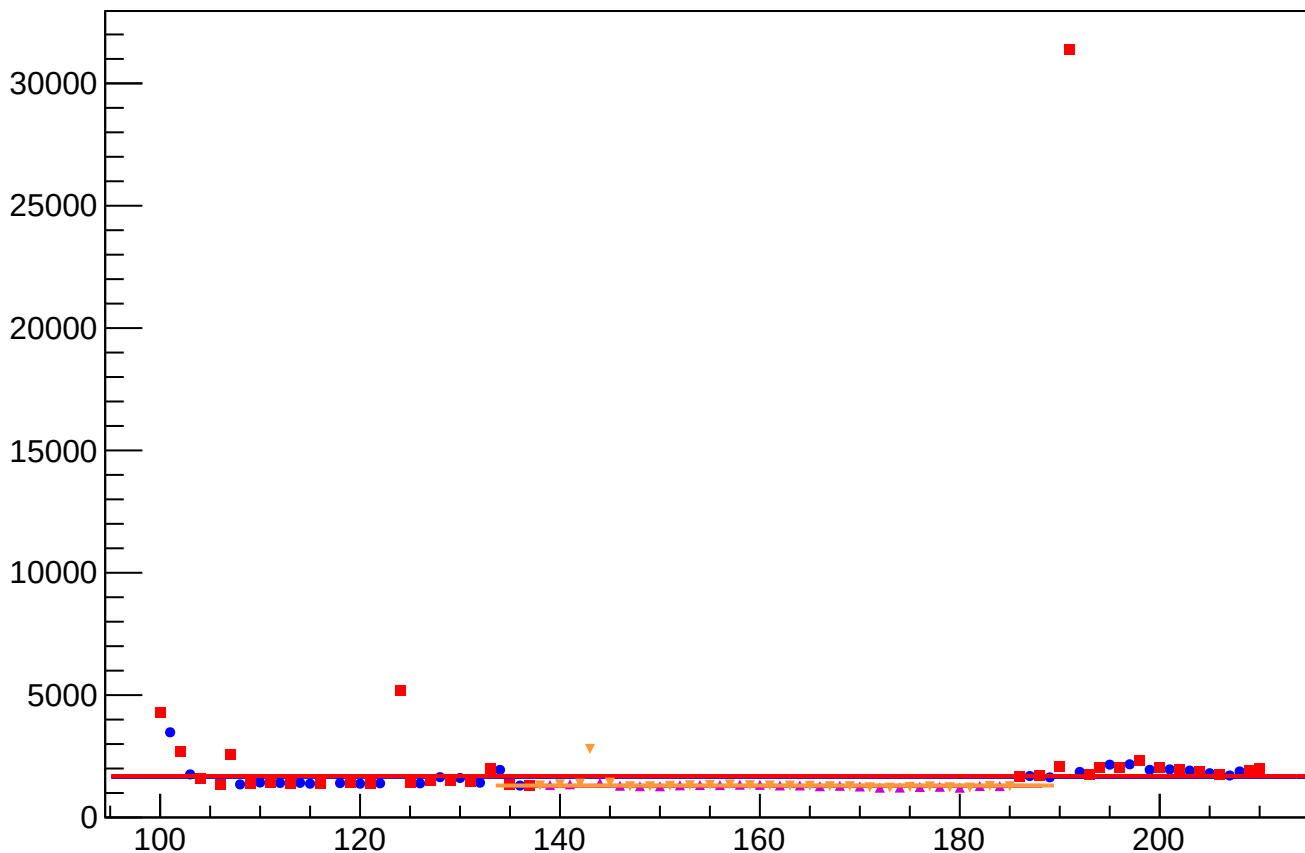
Left In: 356.387+/-301.902 χ^2/NDF : 29.7/22

+ sign -294.181+/-244.139 χ^2/NDF : 56.2/51

All: 103.860+/-172.313 χ^2/NDF : 108.5/107

- sign 498.972+/-243.239 χ^2/NDF : 47.0/55

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1658.400+/-0.300 χ^2/NDF : 1129924.5/26

Left Out: 1304.156+/-0.211 χ^2/NDF : 519609.1/24

Right Out: 1693.505+/-0.290 χ^2/NDF : 1441660.0/32

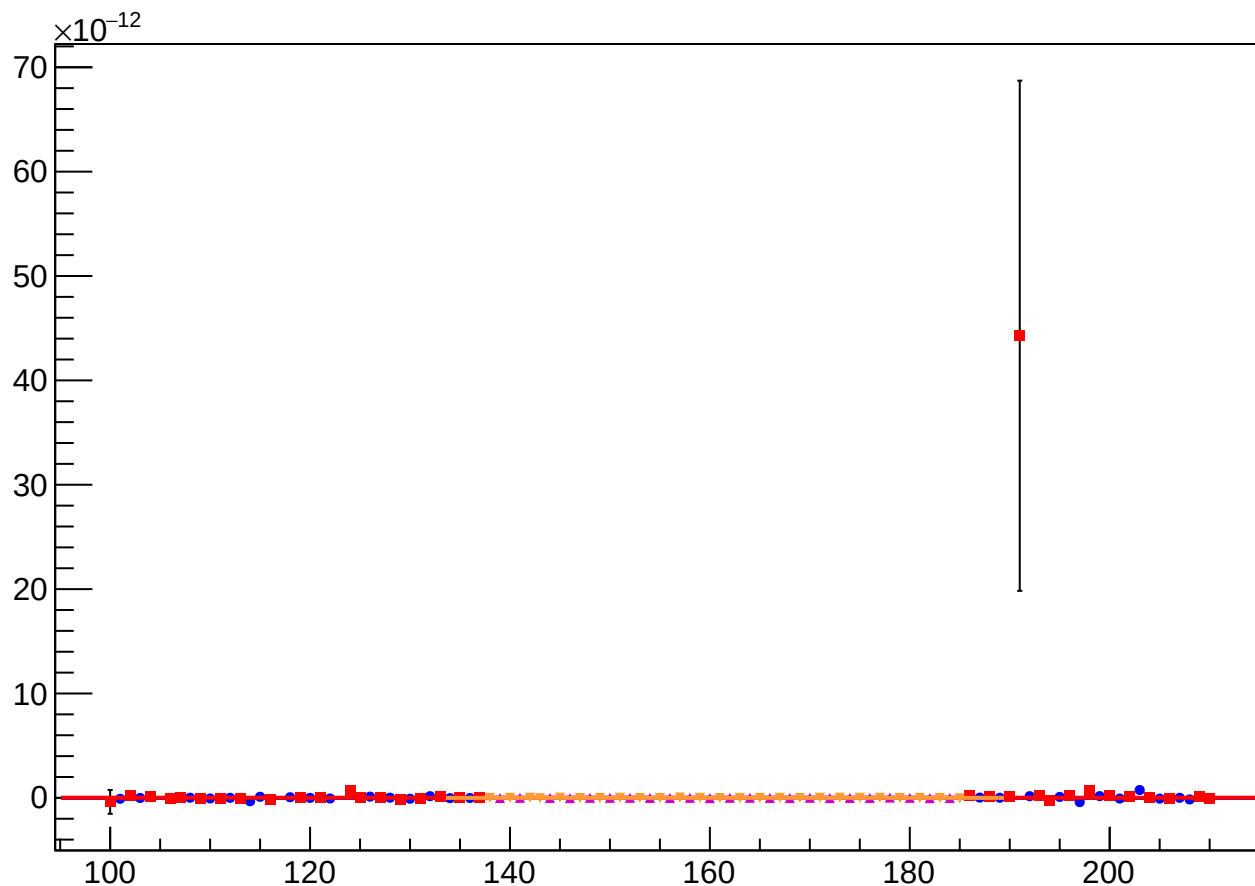
Left In: 1292.123+/-0.213 χ^2/NDF : 48343.1/22

+ sign 1421.069+/-0.173 χ^2/NDF : 2580588.3/51

All: 1427.035+/-0.122 χ^2/NDF : 5313365.6/10

- sign 1432.956+/-0.172 χ^2/NDF : 2730398.0/55

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2 /NDF:24.3/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 38.4/32

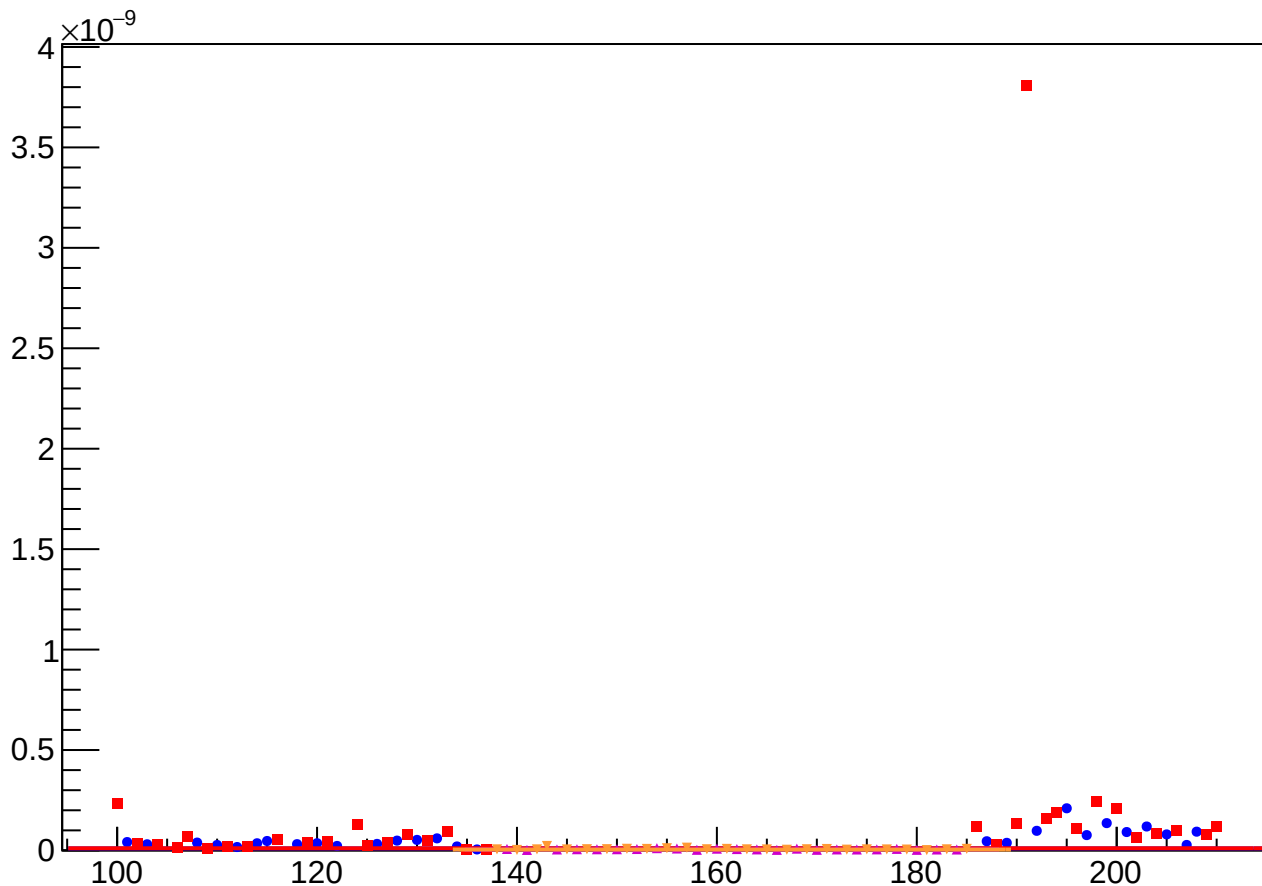
Left In: 0.000+/-0.000 χ^2 /NDF:29.6/22

+ sign -0.000+/-0.000 χ^2 /NDF: 56.2/51

All: 0.000+/-0.000 χ^2 /NDF: 127.0/107

- sign 0.000+/-0.000 χ^2 /NDF: 70.3/55

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7460981.9/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10597782.0/32

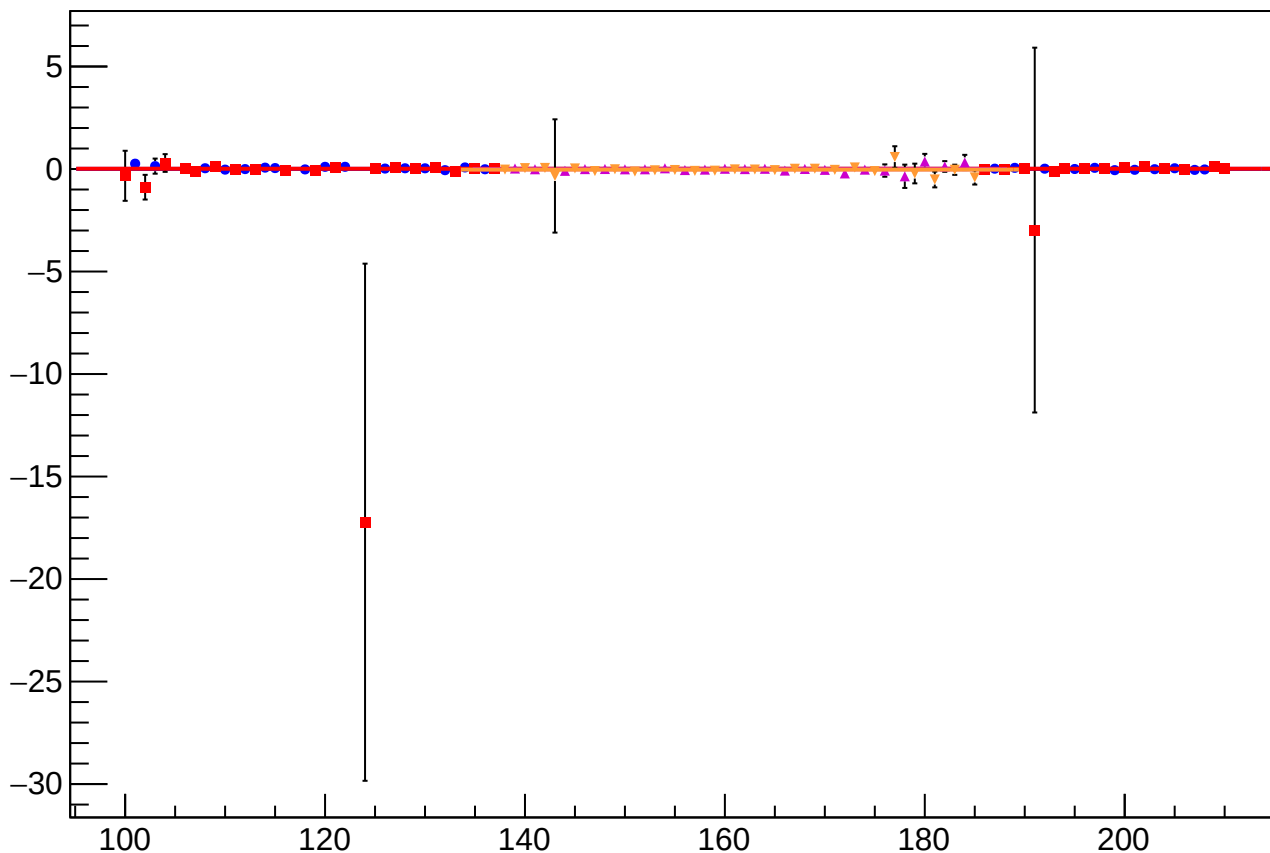
Left In: 0.000+/-0.000 χ^2/NDF : 1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 11194690.2/51

All: 0.000+/-0.000 χ^2/NDF : 24808956.6/107

- sign 0.000+/-0.000 χ^2/NDF : 13586026.1/55

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.012 χ^2/NDF : 16.2/26

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.014 ± 0.011 χ^2/NDF : 26.8/32

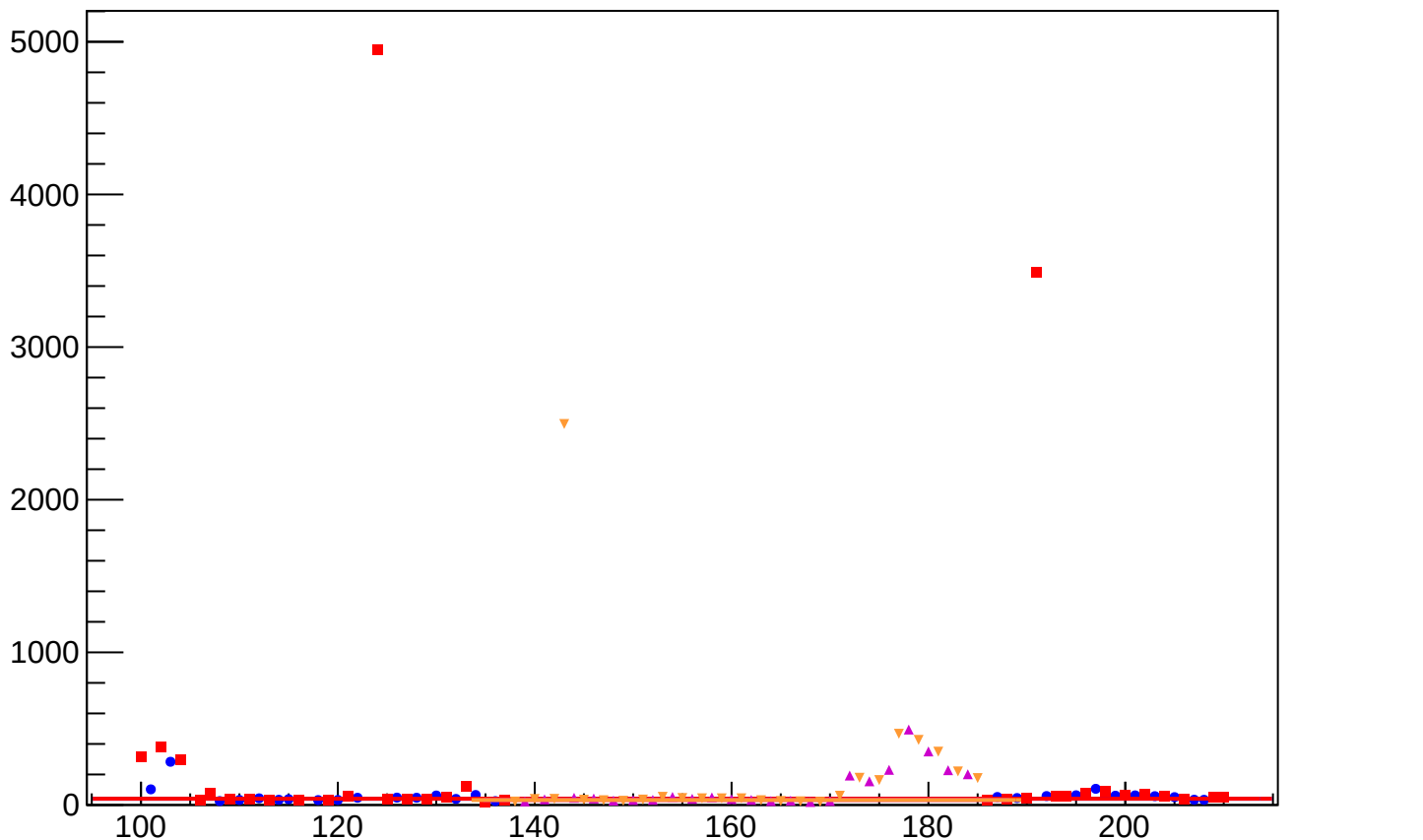
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.007 χ^2/NDF : 49.1/51

All: -0.008 ± 0.005 χ^2/NDF : 93.7/107

- sign -0.001 ± 0.007 χ^2/NDF : 42.7/55

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.030 $\pm$ 0.008 χ^2 /NDF: 4131783.1/26

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10871758.1/24

Right Out: 41.097 $\pm$ 0.008 χ^2 /NDF: 5513174.4/32

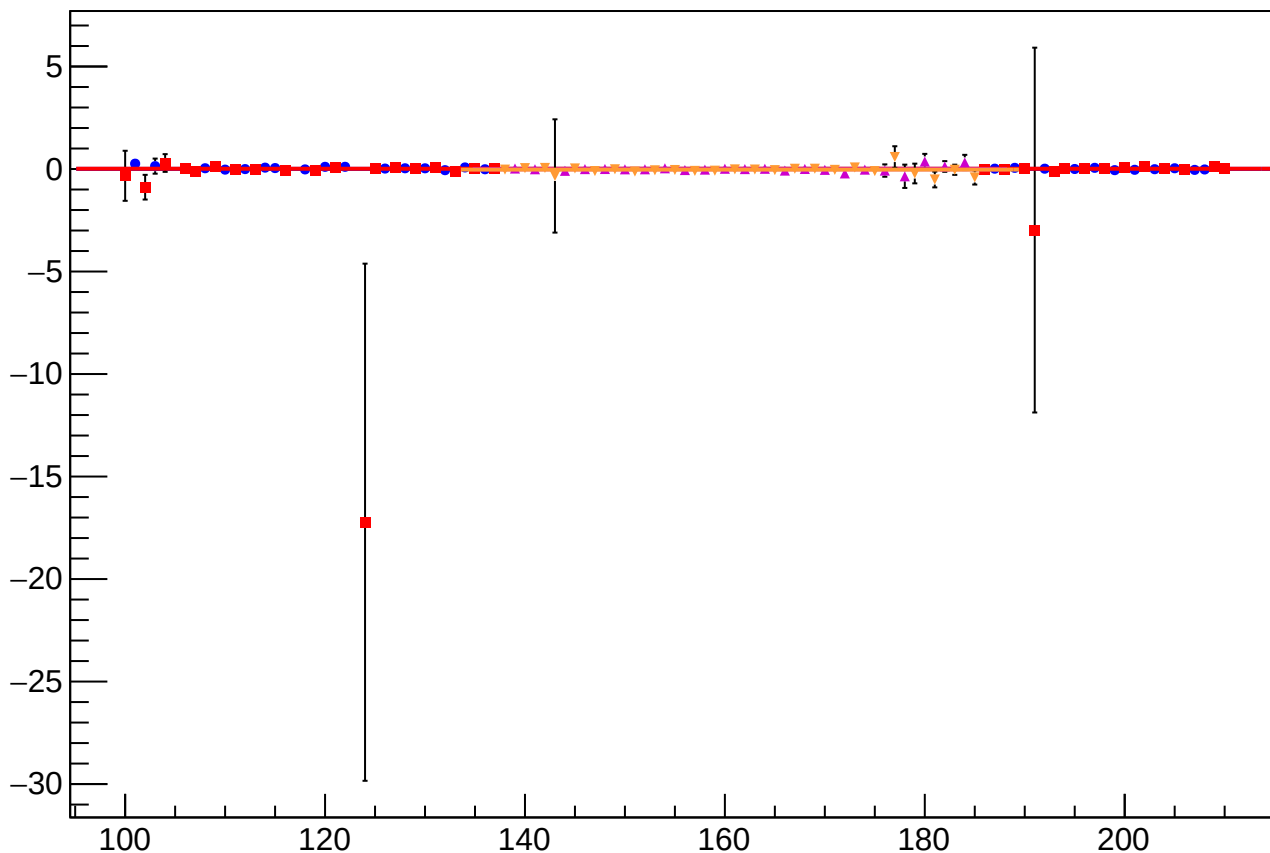
Left In: 32.738 $\pm$ 0.007 χ^2 /NDF: 8963240.8/22

+ sign 35.868 $\pm$ 0.005 χ^2 /NDF: 15624607.1/51

All: 36.034 $\pm$ 0.004 χ^2 /NDF: 30743113.2/107

- sign 36.194 $\pm$ 0.005 χ^2 /NDF: 15116539.4/55

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.012 χ^2 /NDF: 16.2/26

Left Out: -0.028 $\pm$ 0.010 χ^2 /NDF: 28.1/24

Right Out: 0.014 $\pm$ 0.011 χ^2 /NDF: 26.8/32

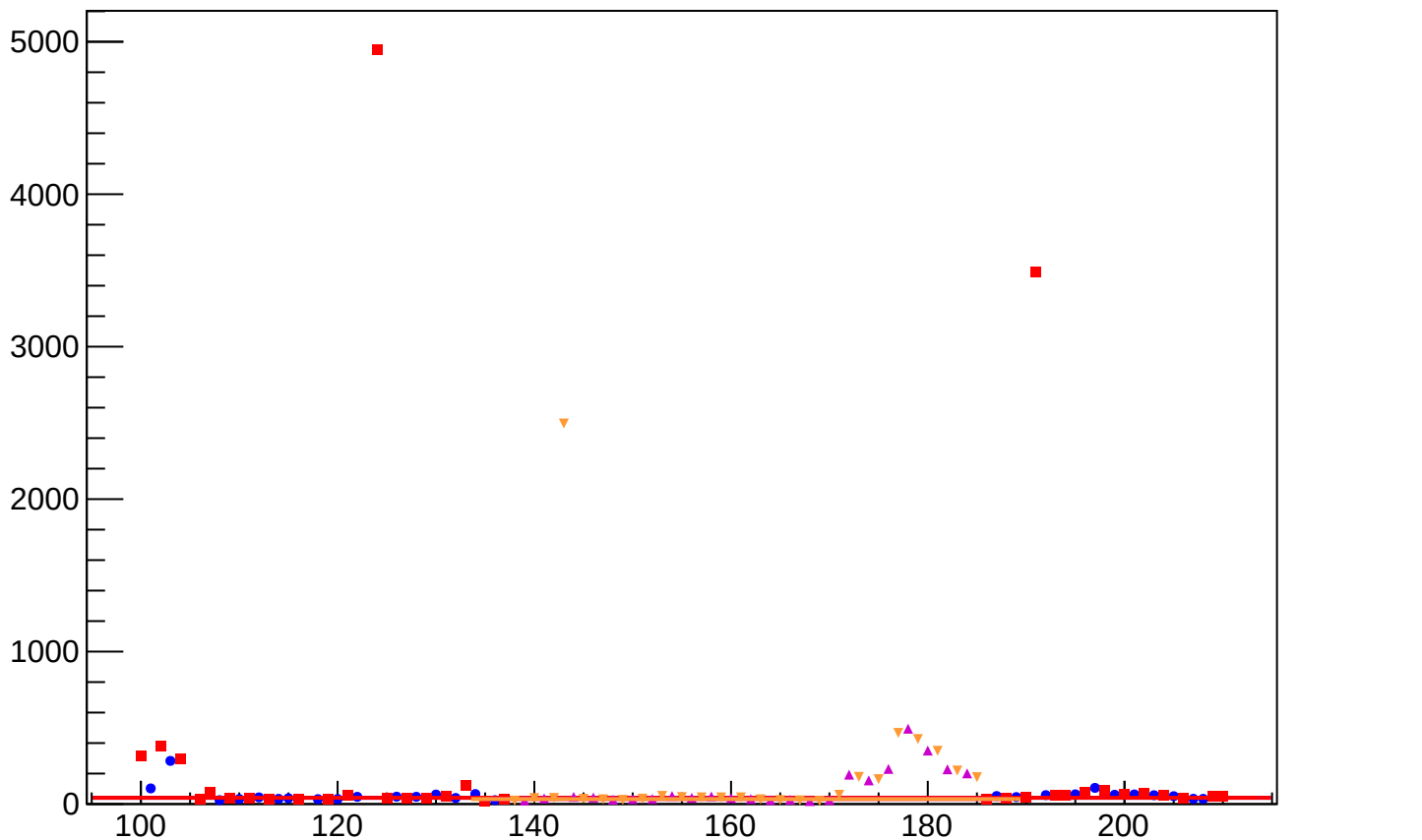
Left In: -0.011 $\pm$ 0.009 χ^2 /NDF: 13.2/22

+ sign -0.015 $\pm$ 0.007 χ^2 /NDF: 49.1/51

All: -0.008 $\pm$ 0.005 χ^2 /NDF: 93.7/107

- sign -0.001 $\pm$ 0.007 χ^2 /NDF: 42.7/55

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.030+/-0.008 χ^2/NDF : 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF : 10871758.1/24

Right Out: 41.097+/-0.008 χ^2/NDF : 5513174.4/32

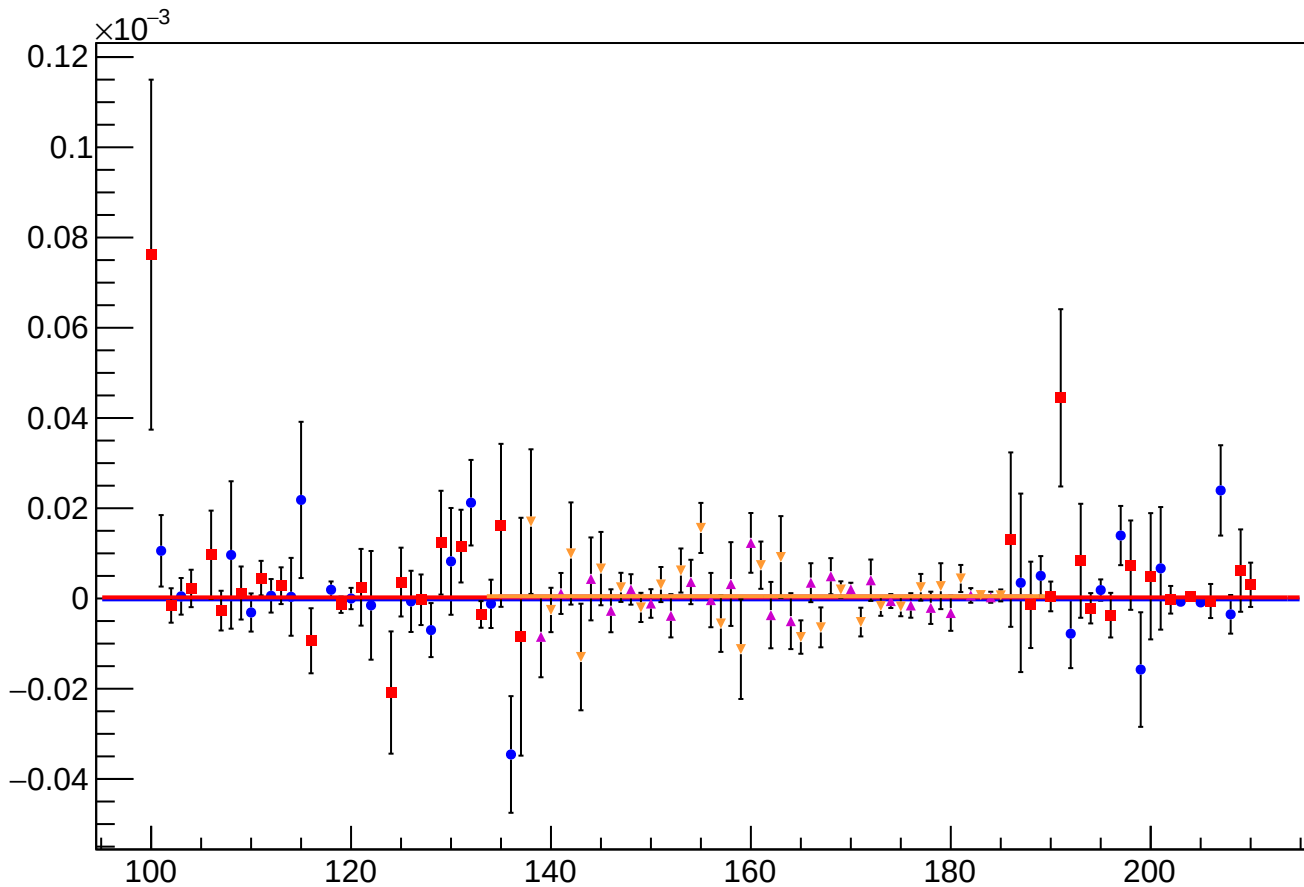
Left In: 32.738+/-0.007 χ^2/NDF : 8963240.8/22

+ sign 35.868+/-0.005 χ^2/NDF : 15624607.1/51

All: 36.034+/-0.004 χ^2/NDF : 30743113.2/107

- sign 36.194+/-0.005 χ^2/NDF : 15116539.4/55

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.8/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:35.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.9/32

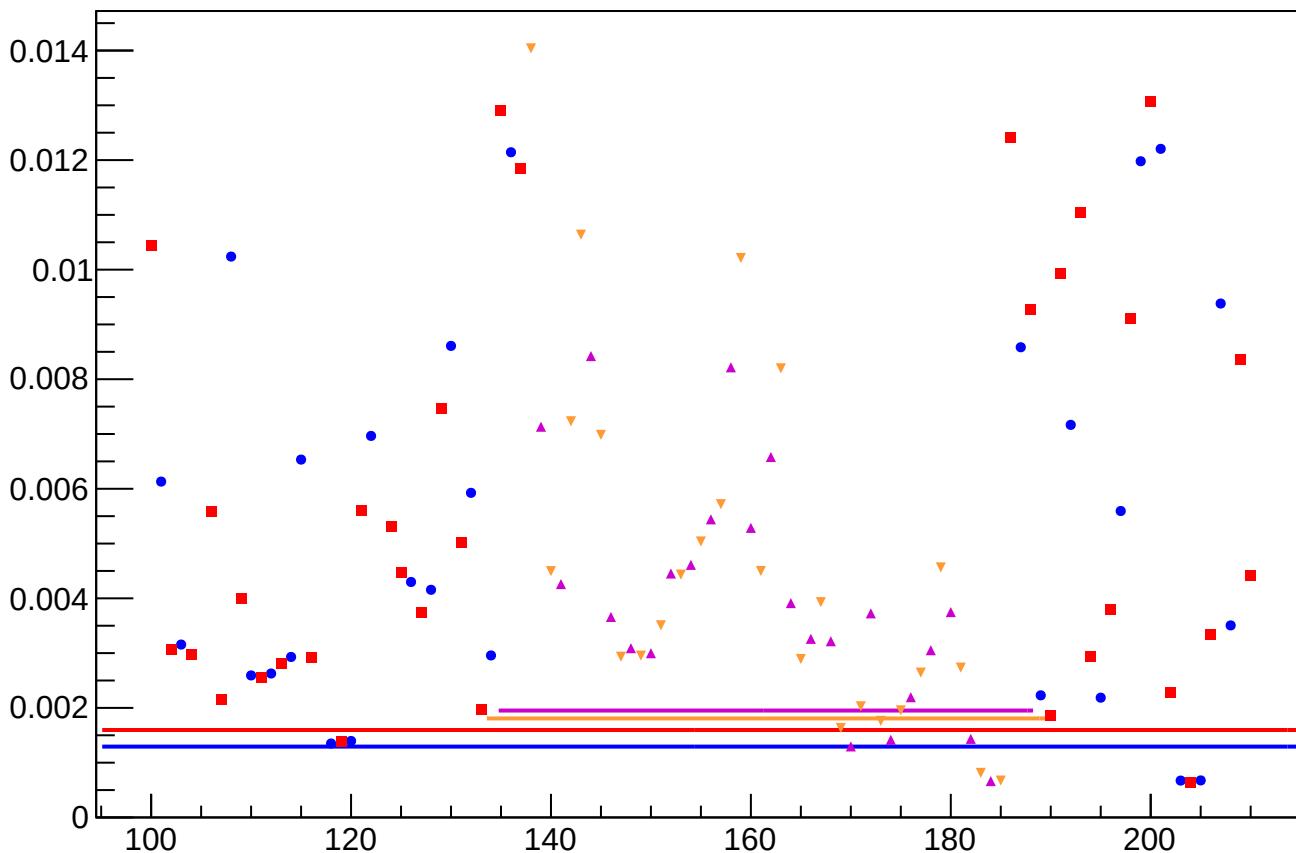
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 73.3/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 114.1/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.7/55

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 15872879.1/26

Left Out: 0.002+/-0.000 χ^2/NDF : 14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 17195668.7/32

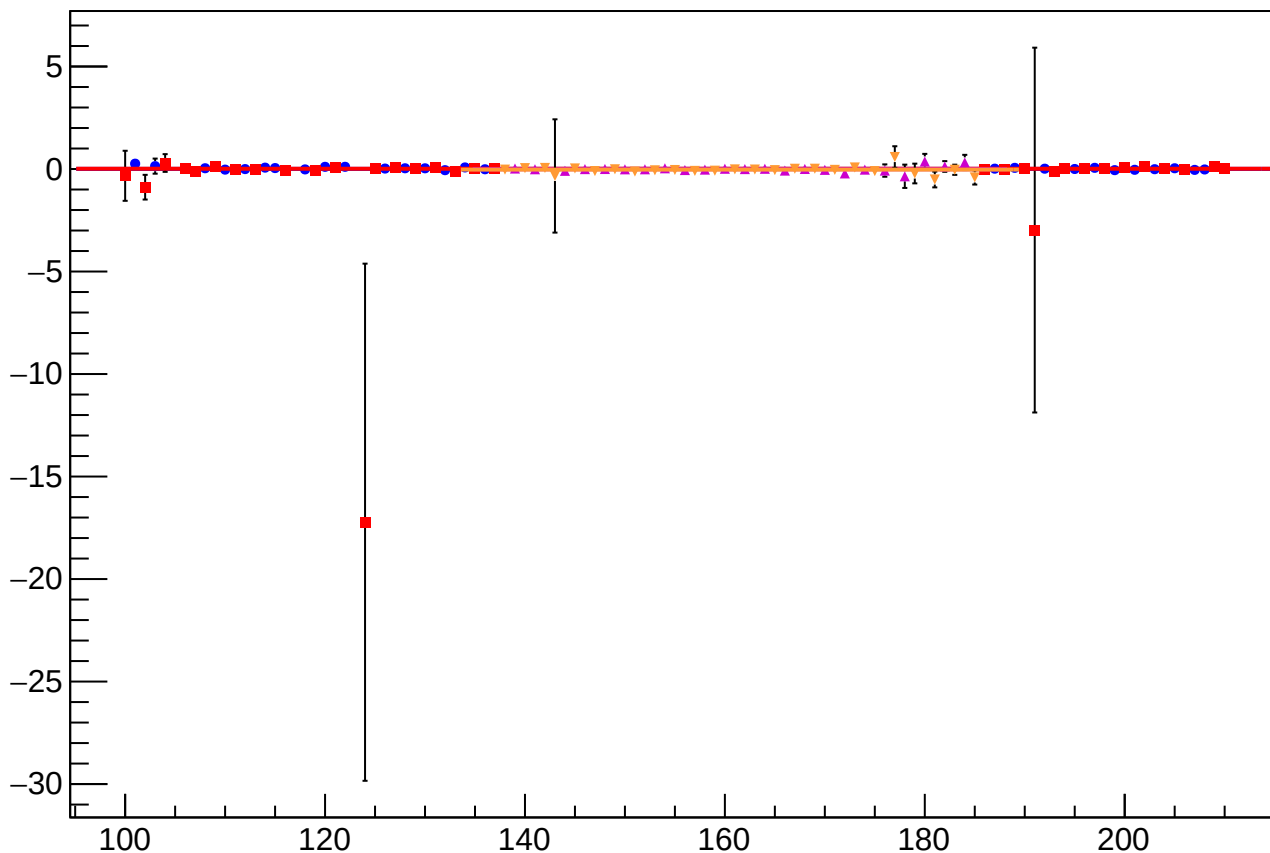
Left In: 0.002+/-0.000 χ^2/NDF : 11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 31755158.4/51

All: 0.002+/-0.000 χ^2/NDF : 61164445.4/107

- sign 0.002+/-0.000 χ^2/NDF : 29057858.7/55

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.012 χ^2 /NDF: 16.2/26

Left Out: -0.028 $\pm$ 0.010 χ^2 /NDF: 28.1/24

Right Out: 0.014 $\pm$ 0.011 χ^2 /NDF: 26.8/32

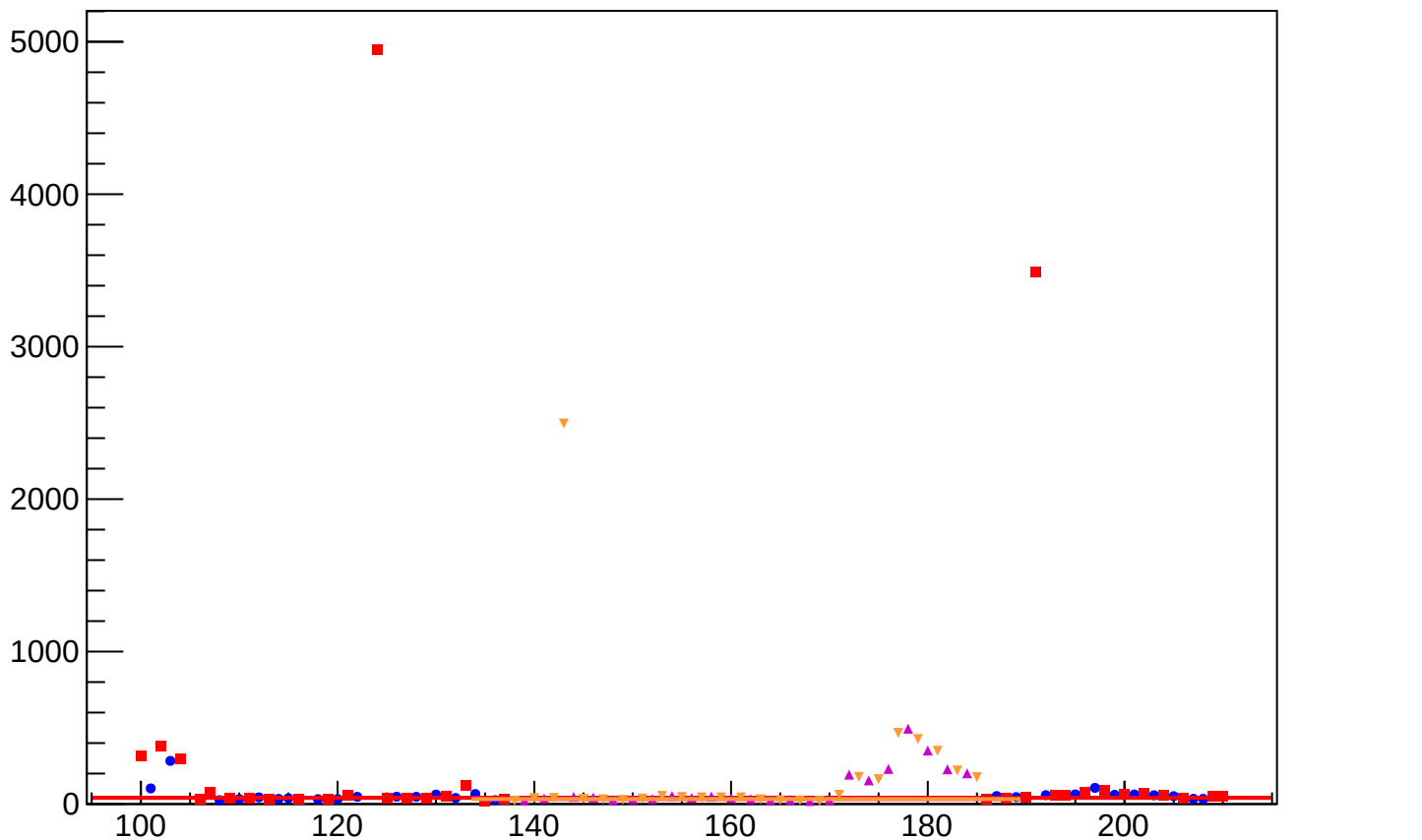
Left In: -0.011 $\pm$ 0.009 χ^2 /NDF: 13.2/22

+ sign -0.015 $\pm$ 0.007 χ^2 /NDF: 49.1/51

All: -0.008 $\pm$ 0.005 χ^2 /NDF: 93.7/107

- sign -0.001 $\pm$ 0.007 χ^2 /NDF: 42.7/55

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.030 $\pm$ 0.008 χ^2 /NDF: 4131432.7/26

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10872015.8/24

Right Out: 41.097 $\pm$ 0.008 χ^2 /NDF: 5512968.5/32

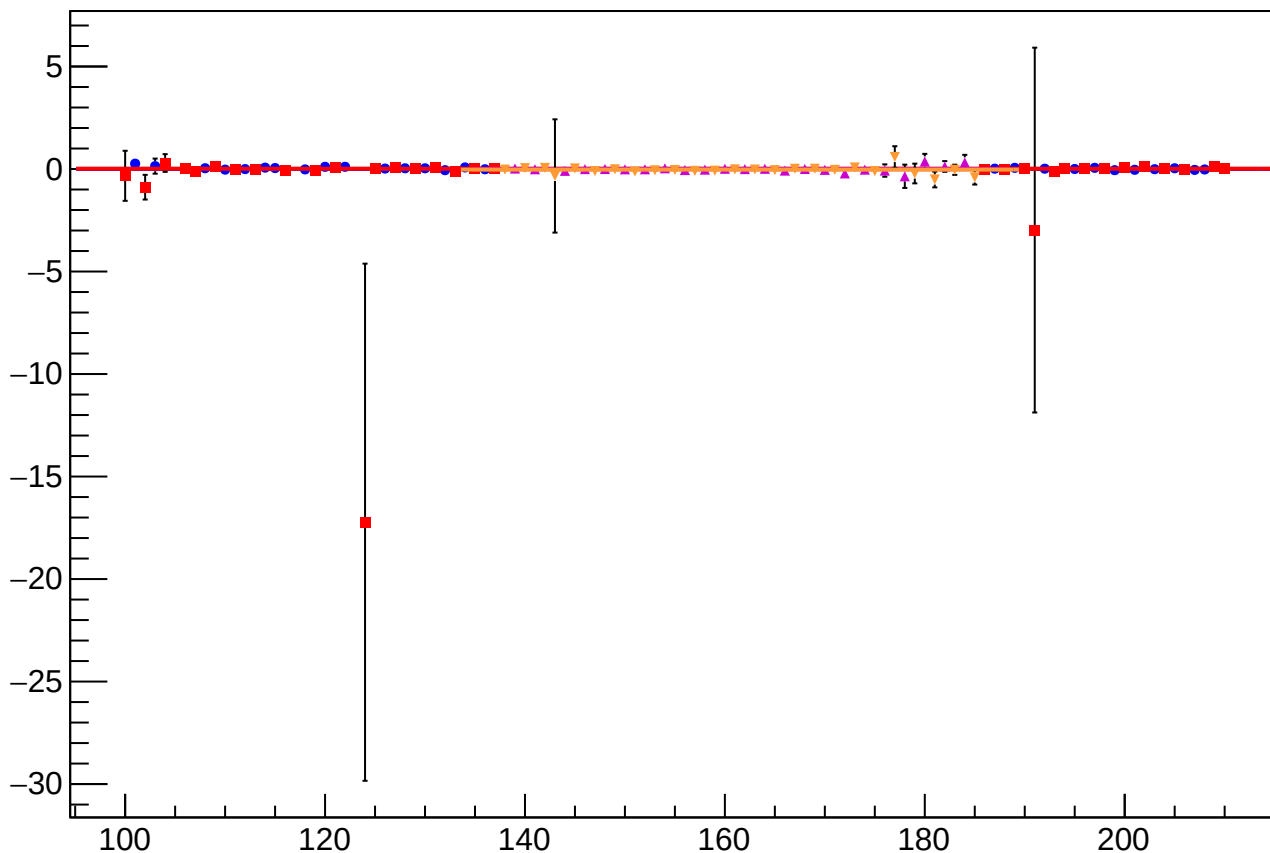
Left In: 32.737 $\pm$ 0.007 χ^2 /NDF: 8963873.9/22

+ sign 35.868 $\pm$ 0.005 χ^2 /NDF: 15624558.0/51

All: 36.034 $\pm$ 0.004 χ^2 /NDF: 30743703.3/107

- sign 36.193 $\pm$ 0.005 χ^2 /NDF: 15117187.4/55

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.012 χ^2/NDF : 16.2/26

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.014 ± 0.011 χ^2/NDF : 26.8/32

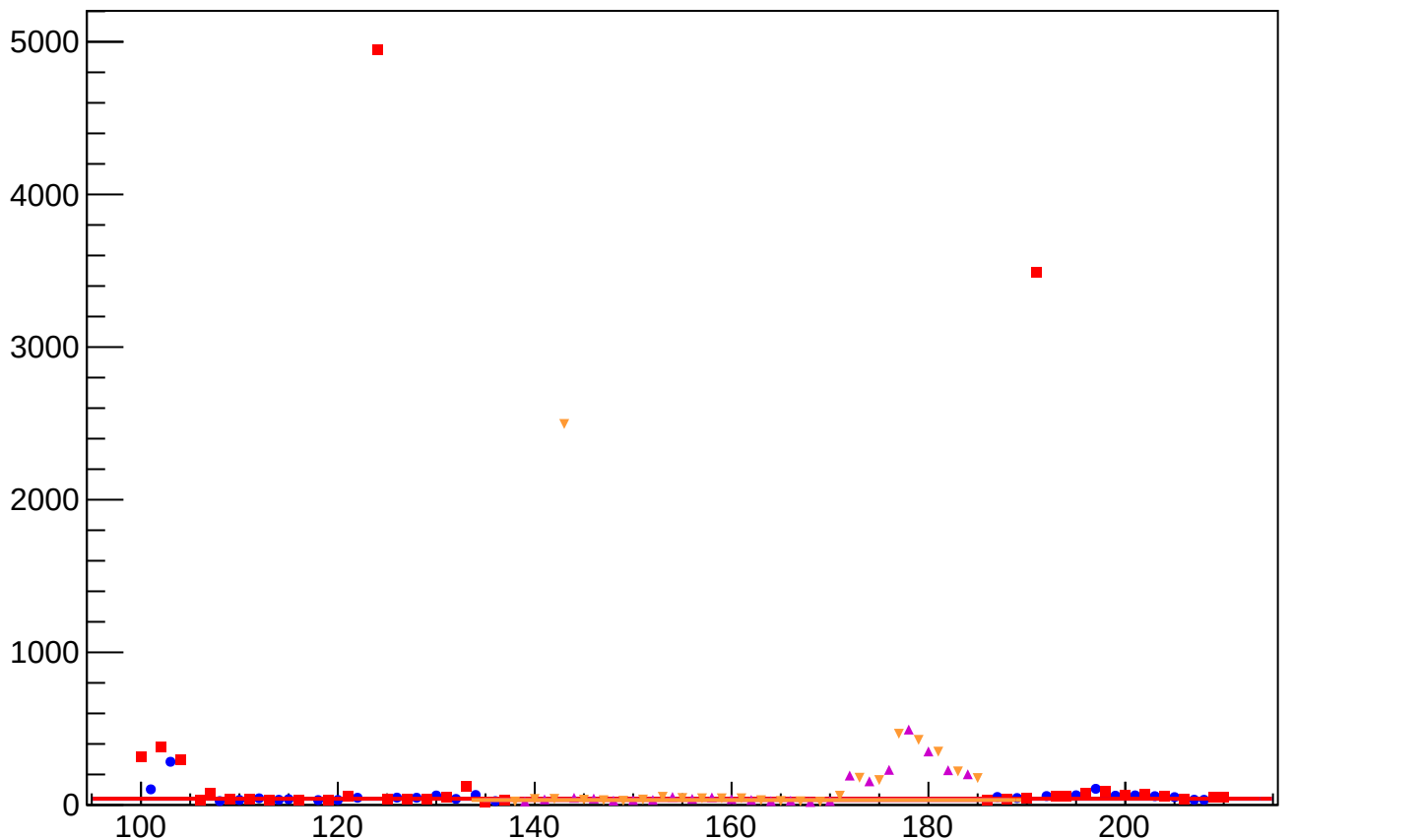
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.007 χ^2/NDF : 49.1/51

All: -0.008 ± 0.005 χ^2/NDF : 93.7/107

- sign -0.001 ± 0.007 χ^2/NDF : 42.7/55

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.030+/-0.008 χ^2/NDF : 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF : 10872015.8/24

Right Out: 41.097+/-0.008 χ^2/NDF : 5512968.5/32

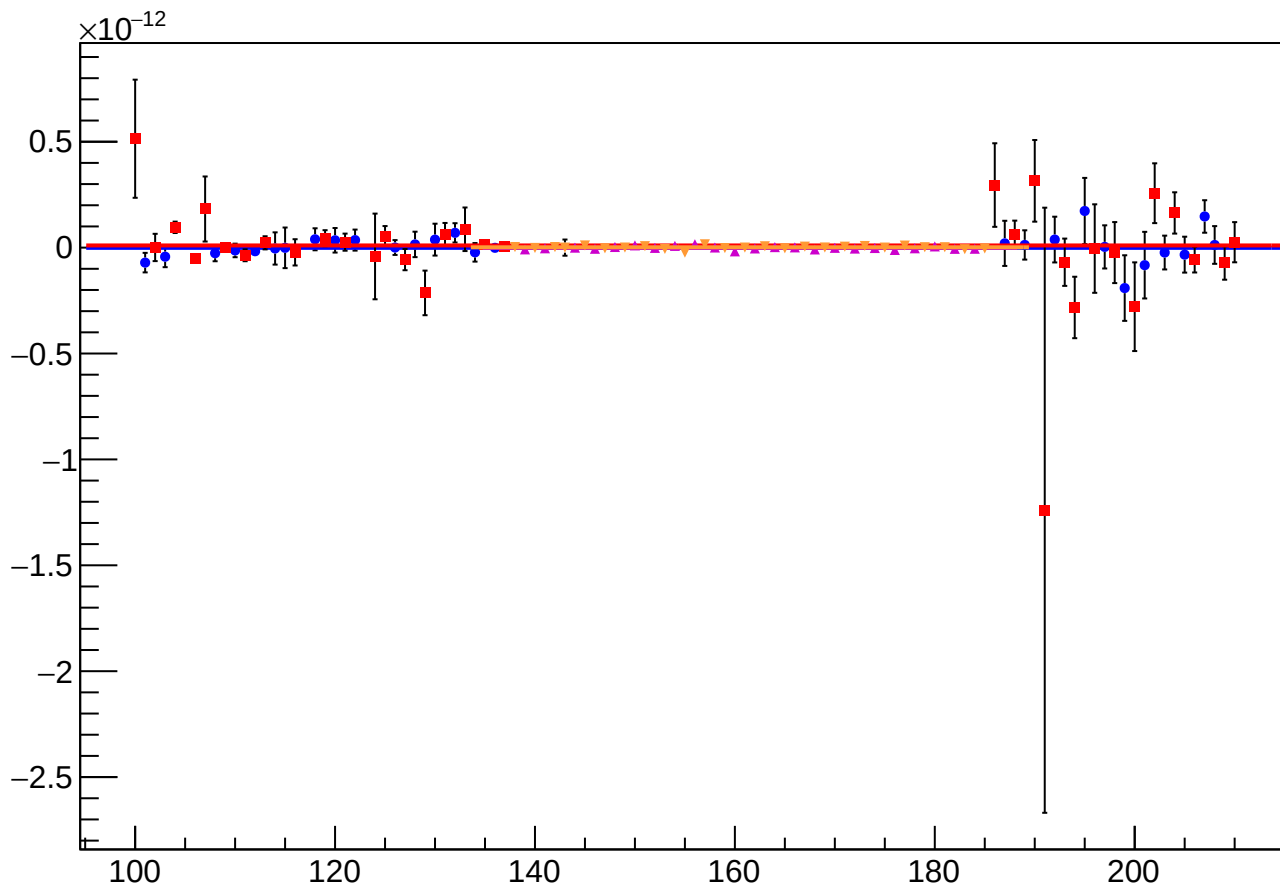
Left In: 32.737+/-0.007 χ^2/NDF : 8963873.9/22

+ sign 35.868+/-0.005 χ^2/NDF : 15624558.0/51

All: 36.034+/-0.004 χ^2/NDF : 30743703.3/107

- sign 36.193+/-0.005 χ^2/NDF : 15117187.4/55

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.8/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 18.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 60.3/32

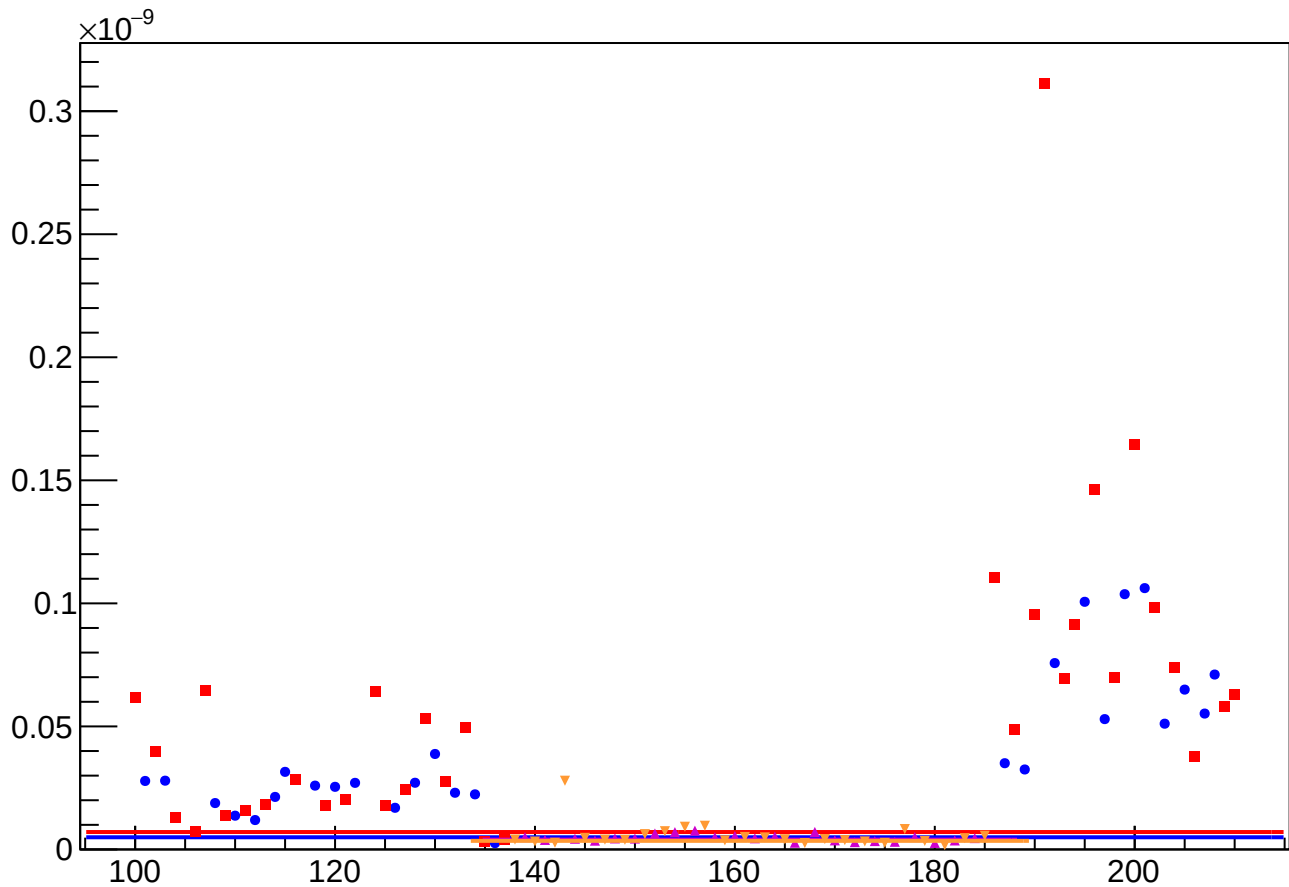
Left In: -0.000 ± 0.000 χ^2/NDF : 28.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 34.4/51

All: 0.000 ± 0.000 χ^2/NDF : 131.8/107

- sign -0.000 ± 0.000 χ^2/NDF : 96.2/55

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 12981532.3/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4688121.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 14430721.4/32

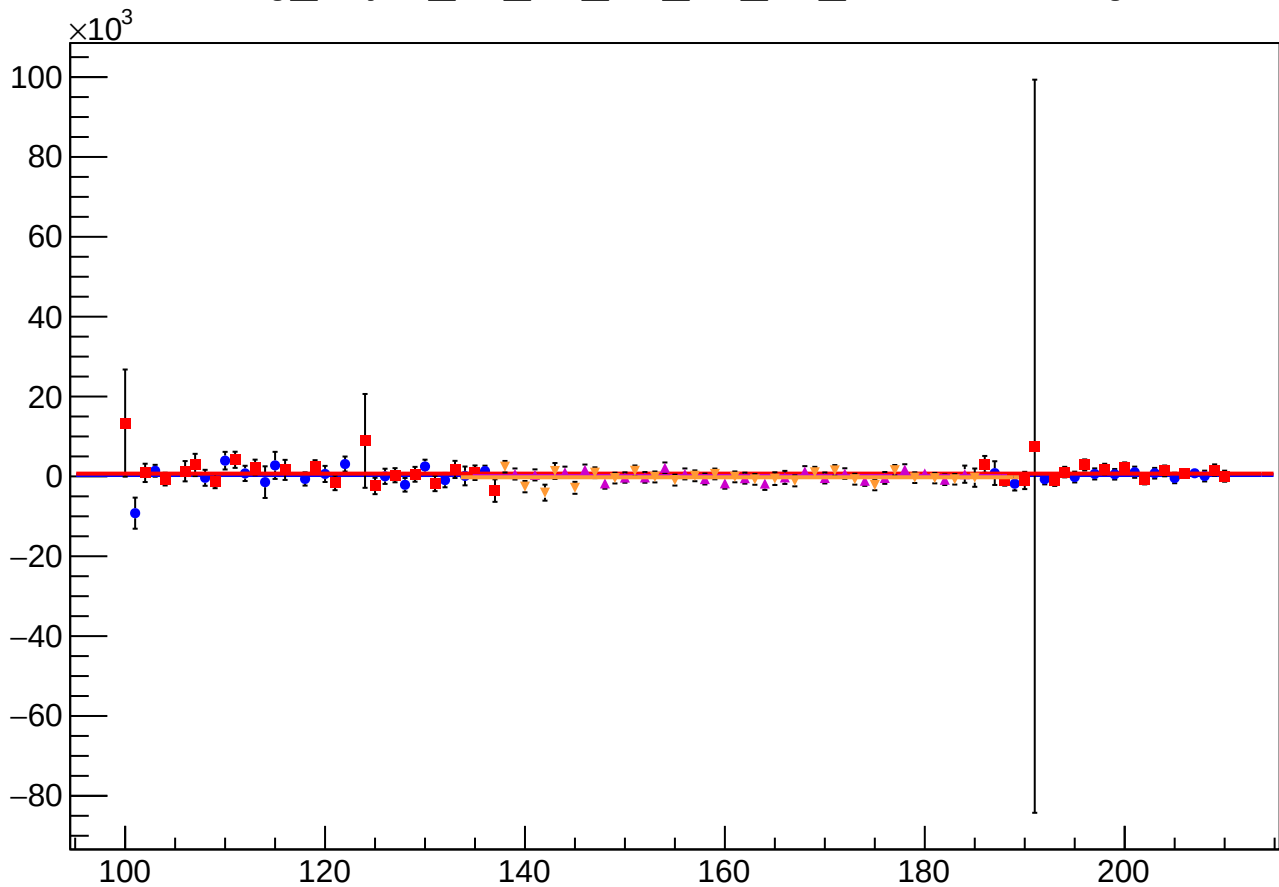
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2073078.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 18003535.1/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 35851458.7/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 17554122.1/55

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 344.651 ± 318.962 χ^2/NDF : 20.7/26

Left Out: -220.721 ± 283.055 χ^2/NDF : 23.9/24

Right Out: 694.102 ± 303.603 χ^2/NDF : 28.0/32

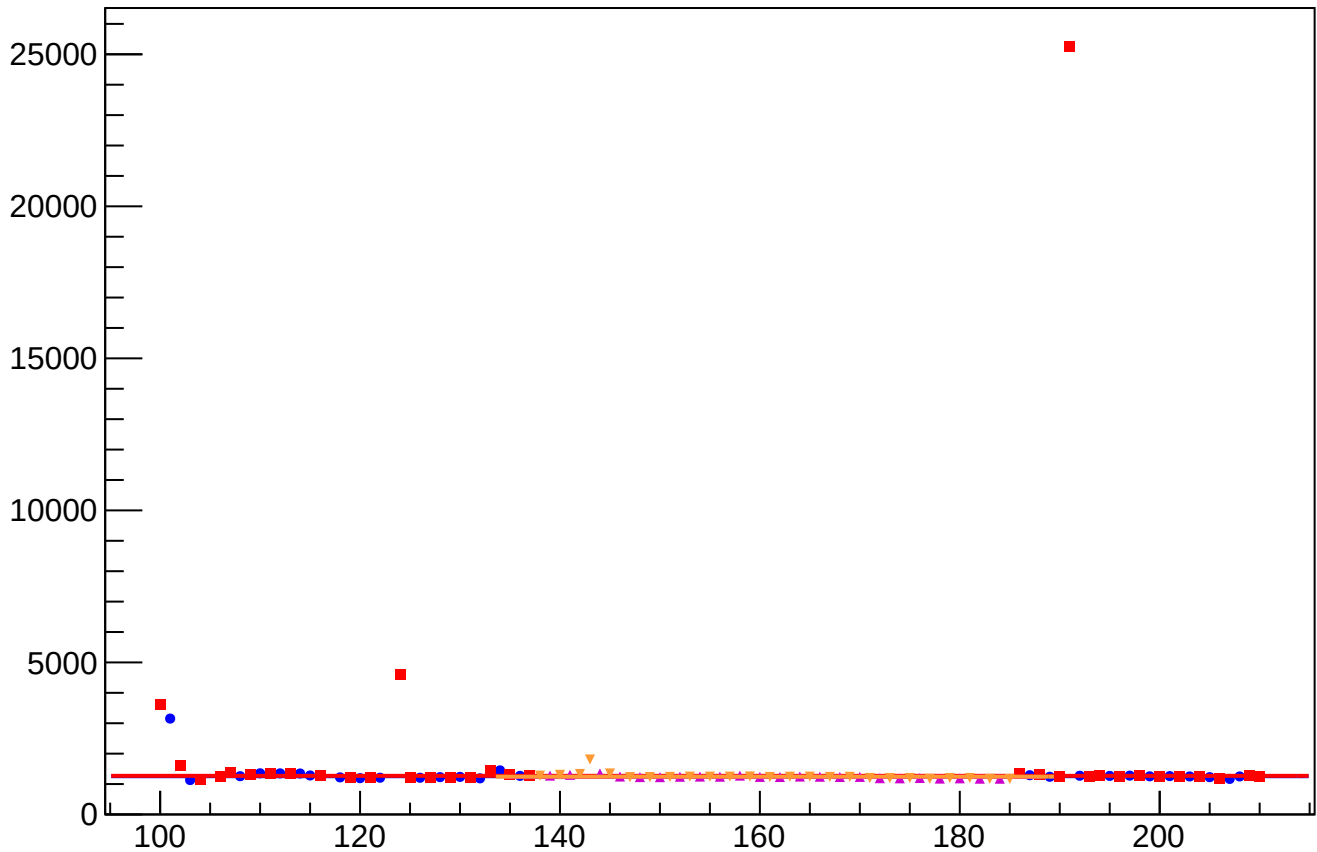
Left In: 92.402 ± 288.217 χ^2/NDF : 14.7/22

+ sign 28.363 ± 211.712 χ^2/NDF : 46.4/51

All: 205.219 ± 148.745 χ^2/NDF : 92.5/107

- sign 377.620 ± 209.028 χ^2/NDF : 44.7/55

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1258.016 $\pm$ 0.226 χ^2 /NDF: 533914.5/26

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1270.260 $\pm$ 0.215 χ^2 /NDF: 486678.6/32

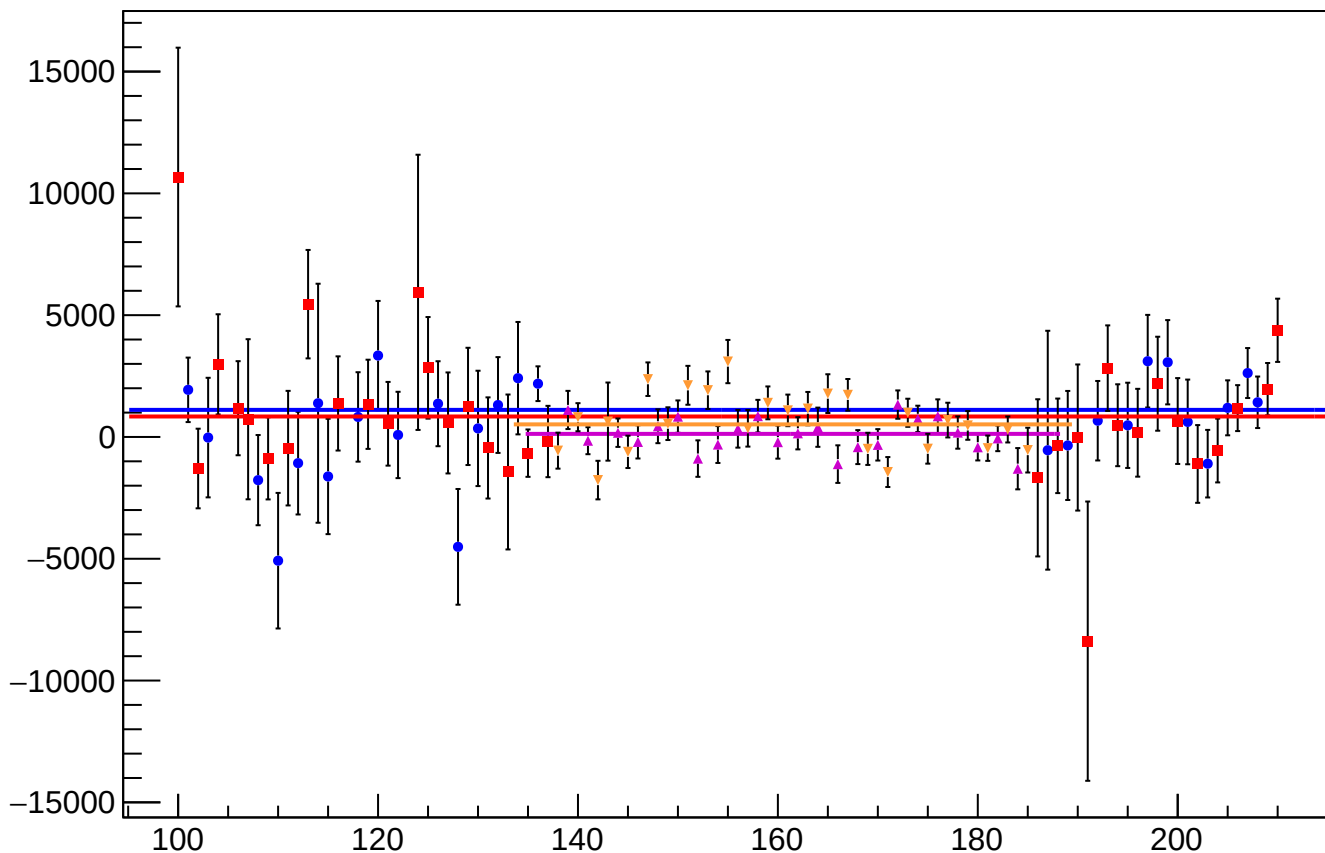
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.8/22

+ sign 1249.518 $\pm$ 0.150 χ^2 /NDF: 739751.6/51

All: 1250.297 $\pm$ 0.105 χ^2 /NDF: 1280976.5/100

- sign 1251.058 $\pm$ 0.148 χ^2 /NDF: 541171.4/55

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 1112.108 $\pm$ 307.872 χ^2 /NDF: 28.1/26

Left Out: 516.792 $\pm$ 135.746 χ^2 /NDF: 67.0/24

Right Out: 840.628 $\pm$ 304.190 χ^2 /NDF: 34.5/32

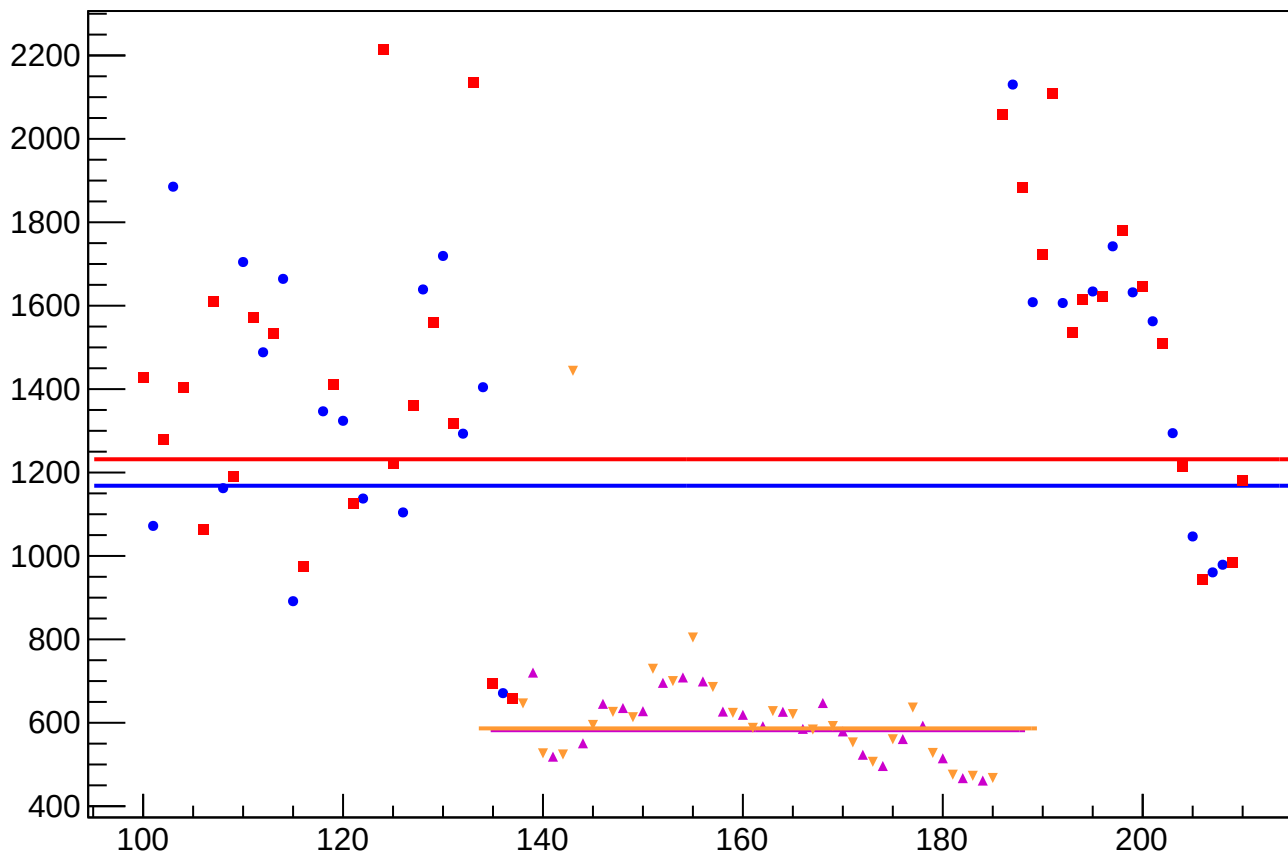
Left In: 126.569 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 613.689 $\pm$ 124.208 χ^2 /NDF: 98.2/51

All: 431.867 $\pm$ 88.148 χ^2 /NDF: 163.2/107

- sign 247.373 $\pm$ 125.117 χ^2 /NDF: 60.7/55

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1168.338 $\pm$ 0.218 χ^2 /NDF: 2625141.7/26

Left Out: 586.557 $\pm$ 0.096 χ^2 /NDF:1202915.7/24

Right Out: 1231.803 $\pm$ 0.215 χ^2 /NDF: 2734025.8/32

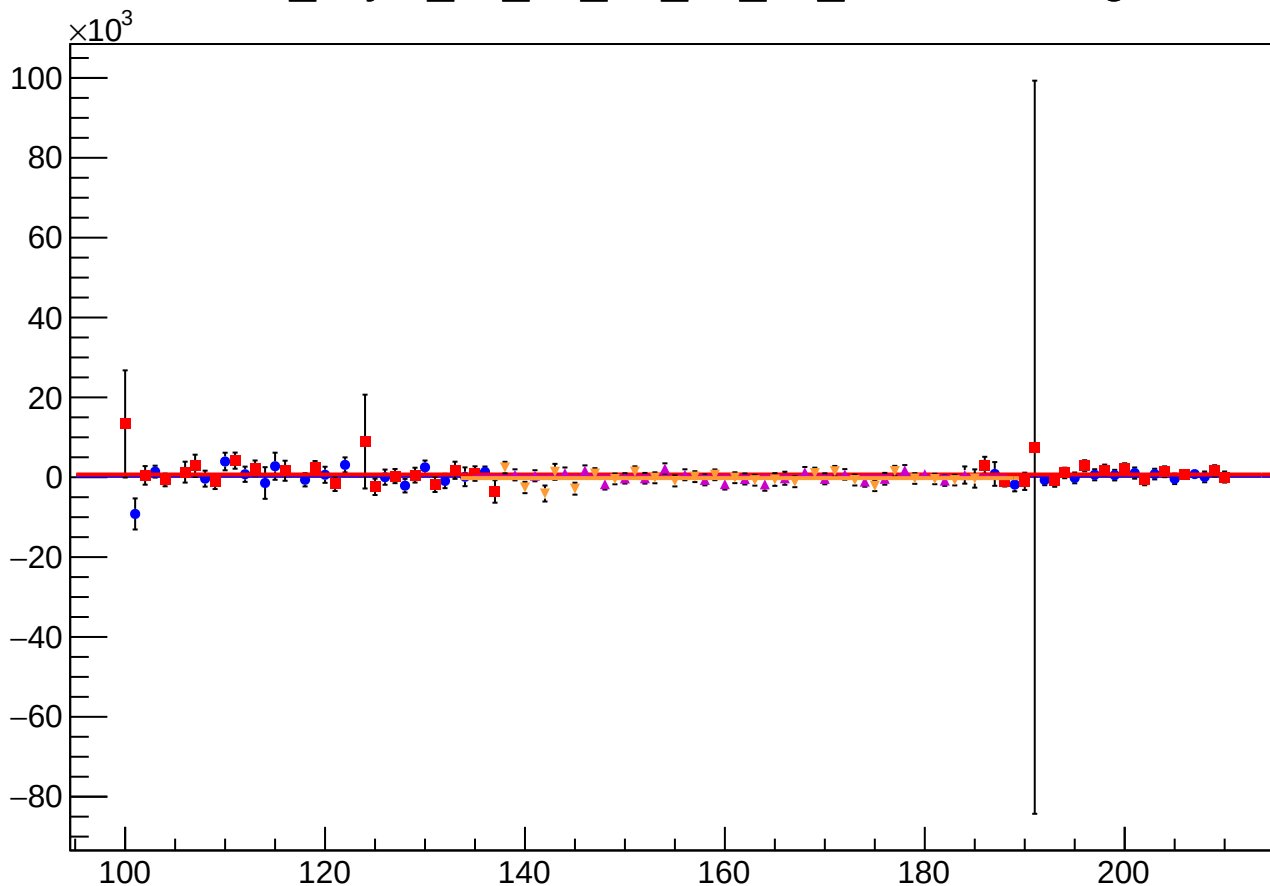
Left In: 582.190 $\pm$ 0.097 χ^2 /NDF:559261.3/22

+ sign 681.251 $\pm$ 0.088 χ^2 /NDF: 9807434.2/51

All: 686.632 $\pm$ 0.062 χ^2 /NDF: 20686332.1/10

- sign 692.091 $\pm$ 0.088 χ^2 /NDF: 10871337.0/55

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 344.856 $\pm$ 318.962 χ^2 /NDF: 20.7/26

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 686.170 $\pm$ 303.809 χ^2 /NDF: 28.0/32

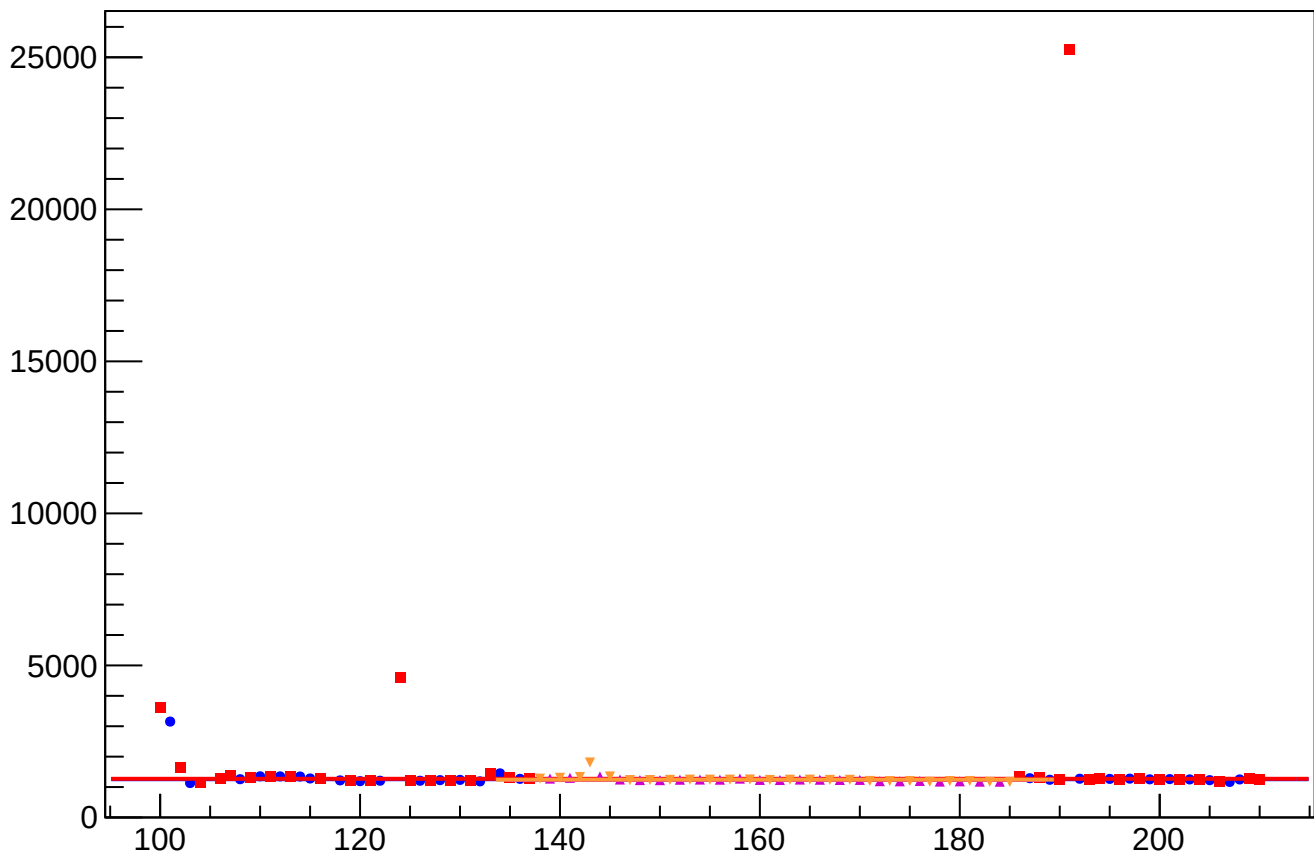
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign 28.434 $\pm$ 211.712 χ^2 /NDF: 46.3/51

All: 203.212 $\pm$ 148.769 χ^2 /NDF: 92.4/107

- sign 373.696 $\pm$ 209.095 χ^2 /NDF: 44.7/55

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1258.016 $\pm$ 0.226 χ^2 /NDF: 533915.9/26

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1271.156 $\pm$ 0.215 χ^2 /NDF: 493837.0/32

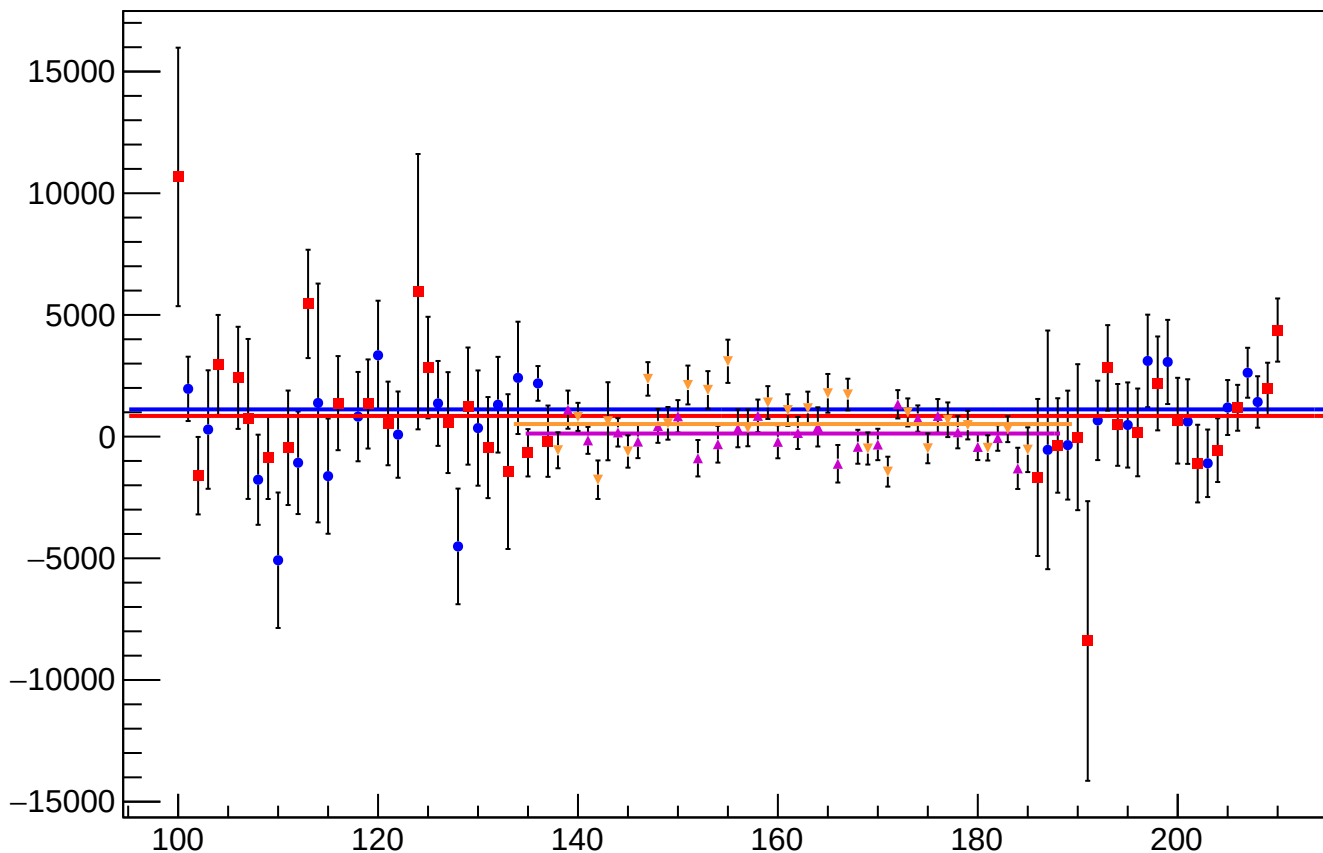
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1249.517 $\pm$ 0.150 χ^2 /NDF: 739752.9/51

All: 1250.506 $\pm$ 0.105 χ^2 /NDF: 1288912.7/10

- sign 1251.470 $\pm$ 0.148 χ^2 /NDF: 549073.8/55

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 1118.543 $\pm$ 307.805 χ^2 /NDF: 28.0/26

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 849.482 $\pm$ 304.473 χ^2 /NDF: 35.7/32

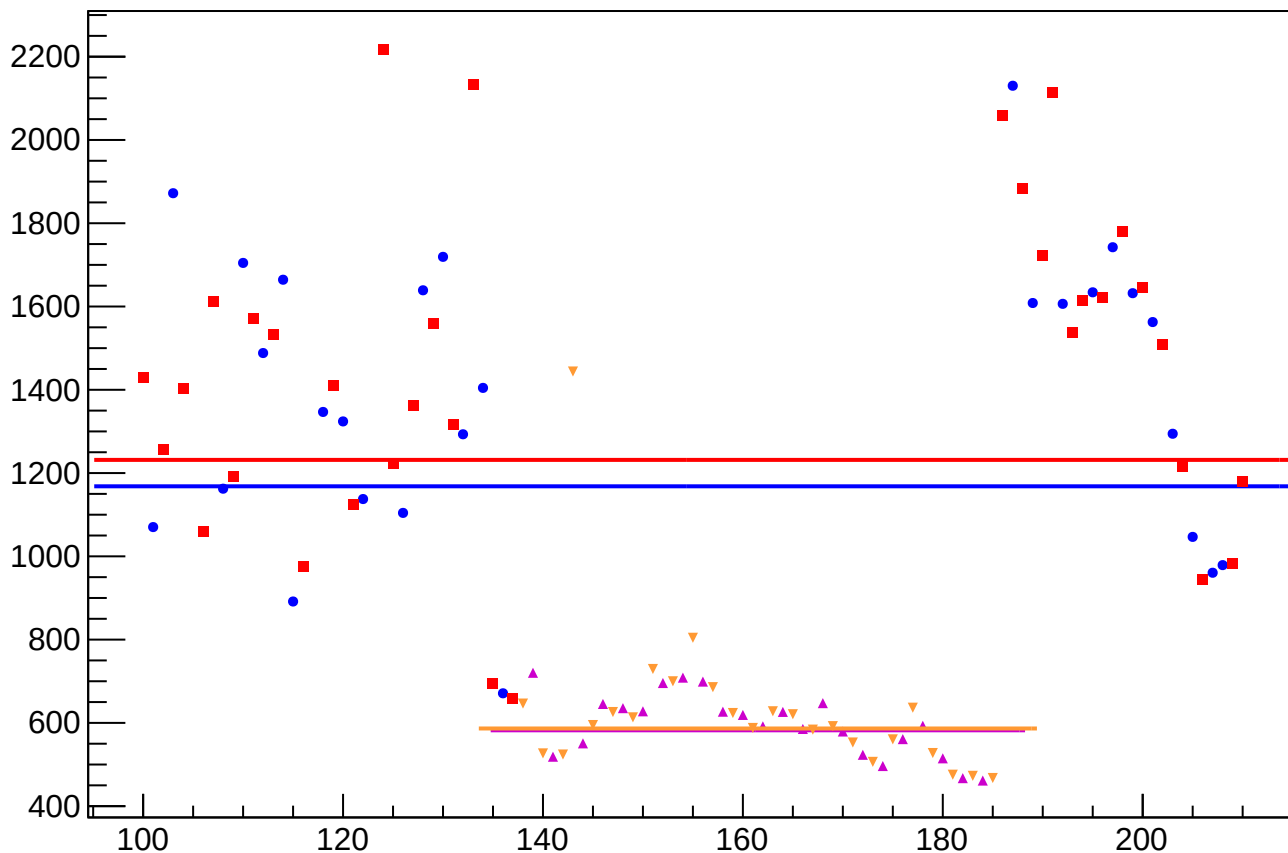
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 614.789 $\pm$ 124.205 χ^2 /NDF: 98.2/51

All: 433.096 $\pm$ 88.154 χ^2 /NDF: 164.5/107

- sign 248.665 $\pm$ 125.137 χ^2 /NDF: 61.9/55

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1168.199+/-0.218 χ^2/NDF : 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF : 1202822.0/24

Right Out: 1231.638+/-0.215 χ^2/NDF : 2731360.8/32

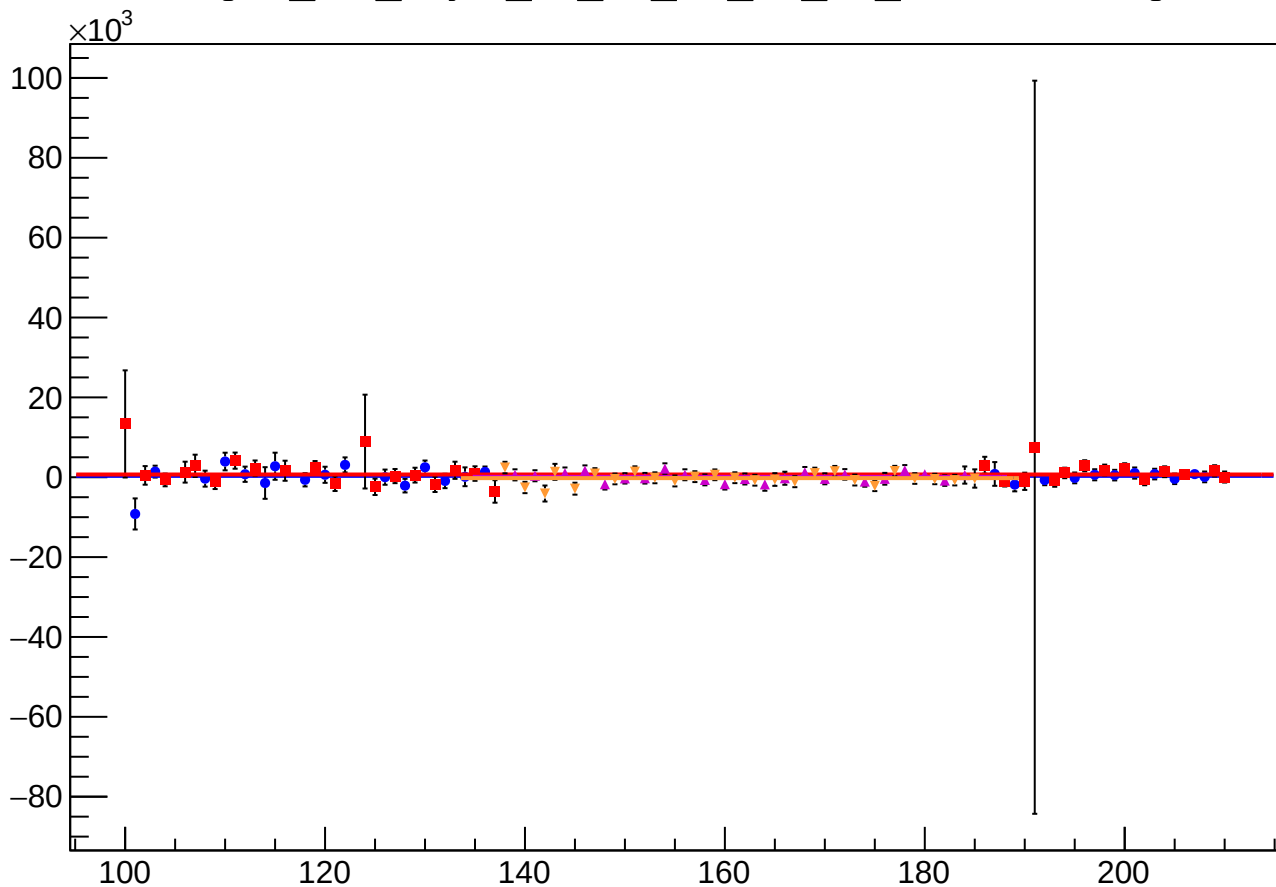
Left In: 582.189+/-0.097 χ^2/NDF : 559258.0/22

+ sign 681.268+/-0.088 χ^2/NDF : 9803510.4/51

All: 686.540+/-0.062 χ^2/NDF : 20663928.3/10

- sign 691.891+/-0.088 χ^2/NDF : 10853157.3/55

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 344.856+/-318.962 χ^2/NDF : 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF : 23.9/24

Right Out: 686.170+/-303.809 χ^2/NDF : 28.0/32

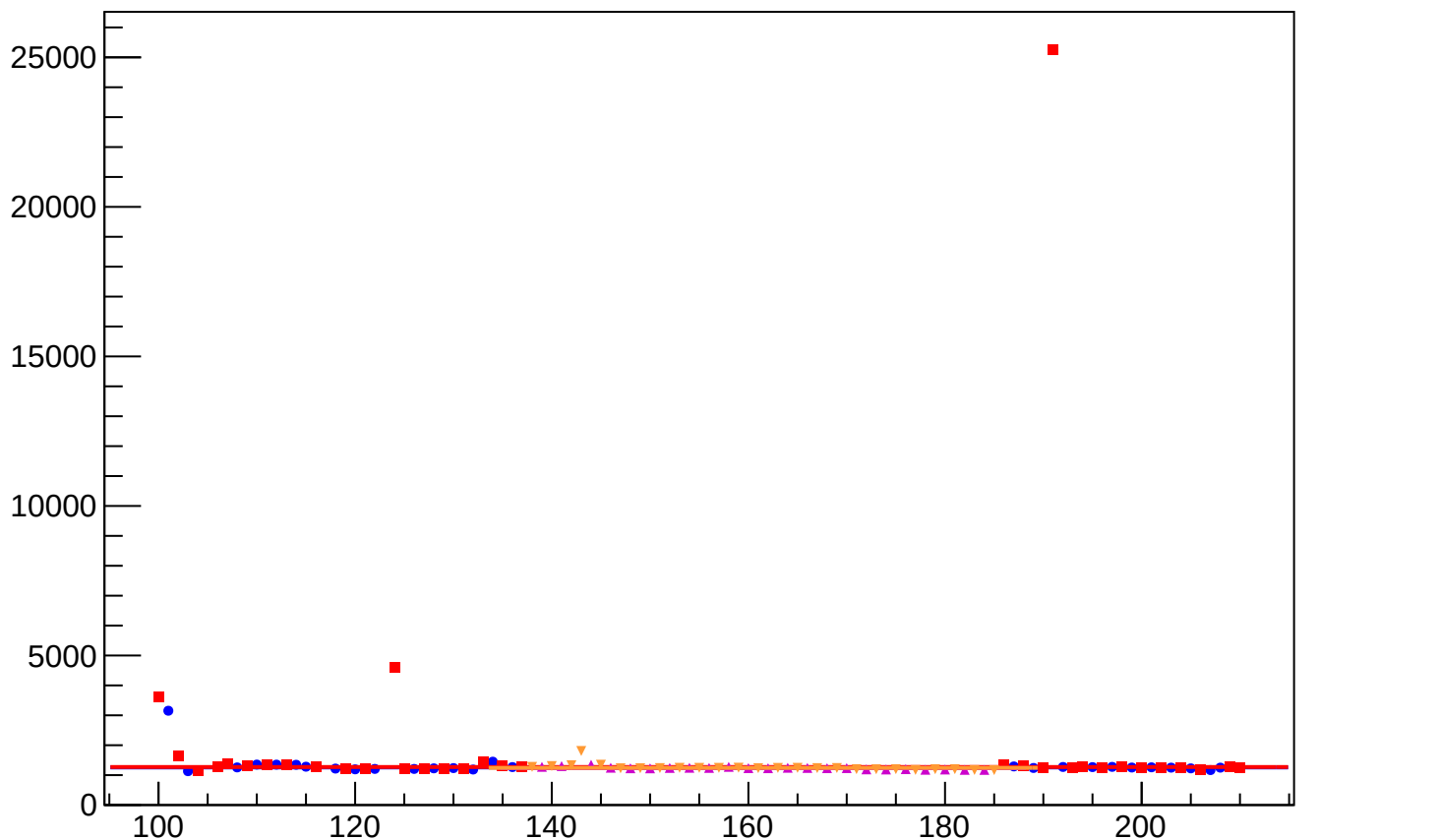
Left In: 92.472+/-288.217 χ^2/NDF : 14.7/22

+ sign 28.434+/-211.712 χ^2/NDF : 46.3/51

All: 203.212+/-148.769 χ^2/NDF : 92.4/107

- sign 373.696+/-209.095 χ^2/NDF : 44.7/55

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1258.016 $\pm$ 0.226 χ^2 /NDF: 533915.9/26

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1271.156 $\pm$ 0.215 χ^2 /NDF: 493837.0/32

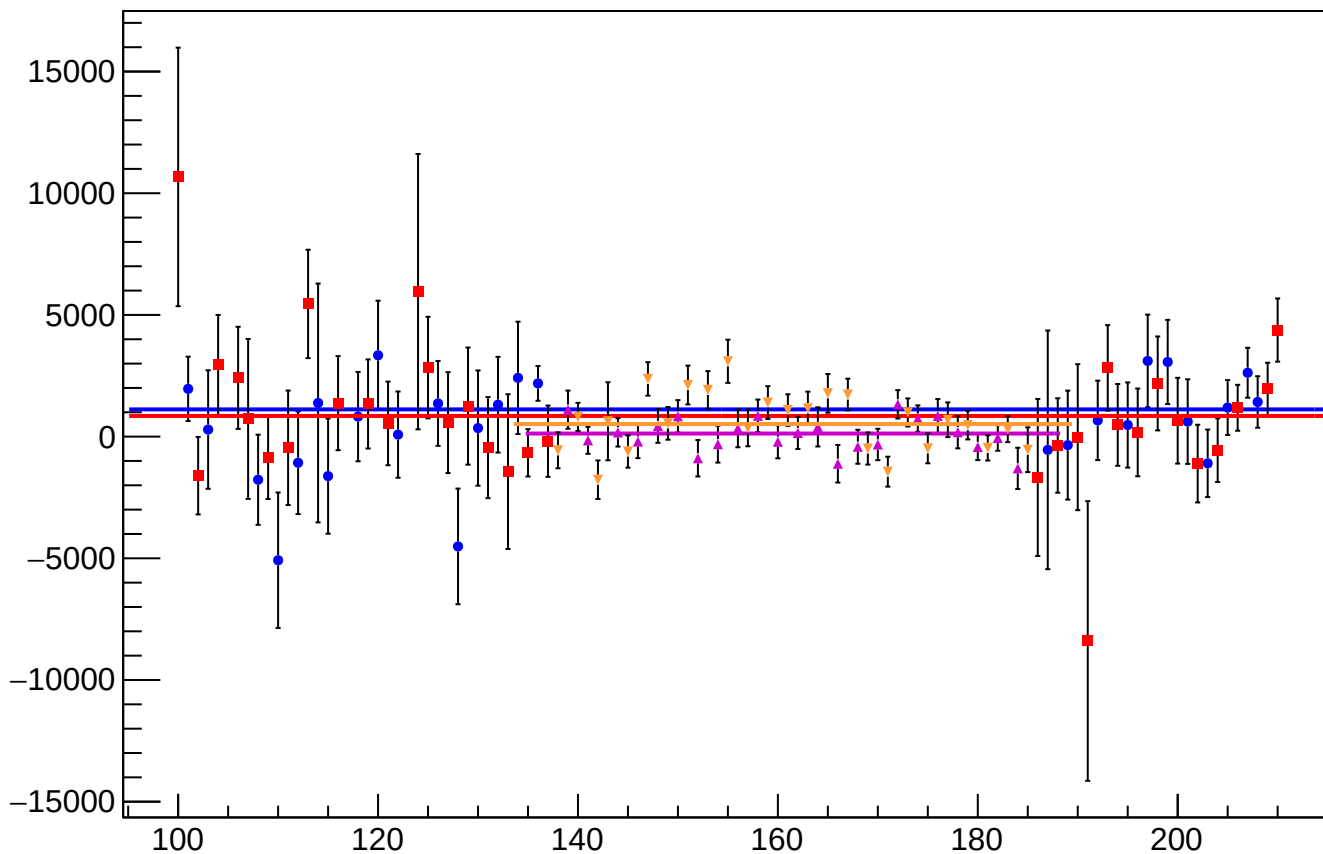
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1249.517 $\pm$ 0.150 χ^2 /NDF: 739752.9/51

All: 1250.506 $\pm$ 0.105 χ^2 /NDF: 1288912.7/10

- sign 1251.470 $\pm$ 0.148 χ^2 /NDF: 549073.8/55

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 1118.543 $\pm$ 307.805 χ^2 /NDF: 28.0/26

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 849.482 $\pm$ 304.473 χ^2 /NDF: 35.7/32

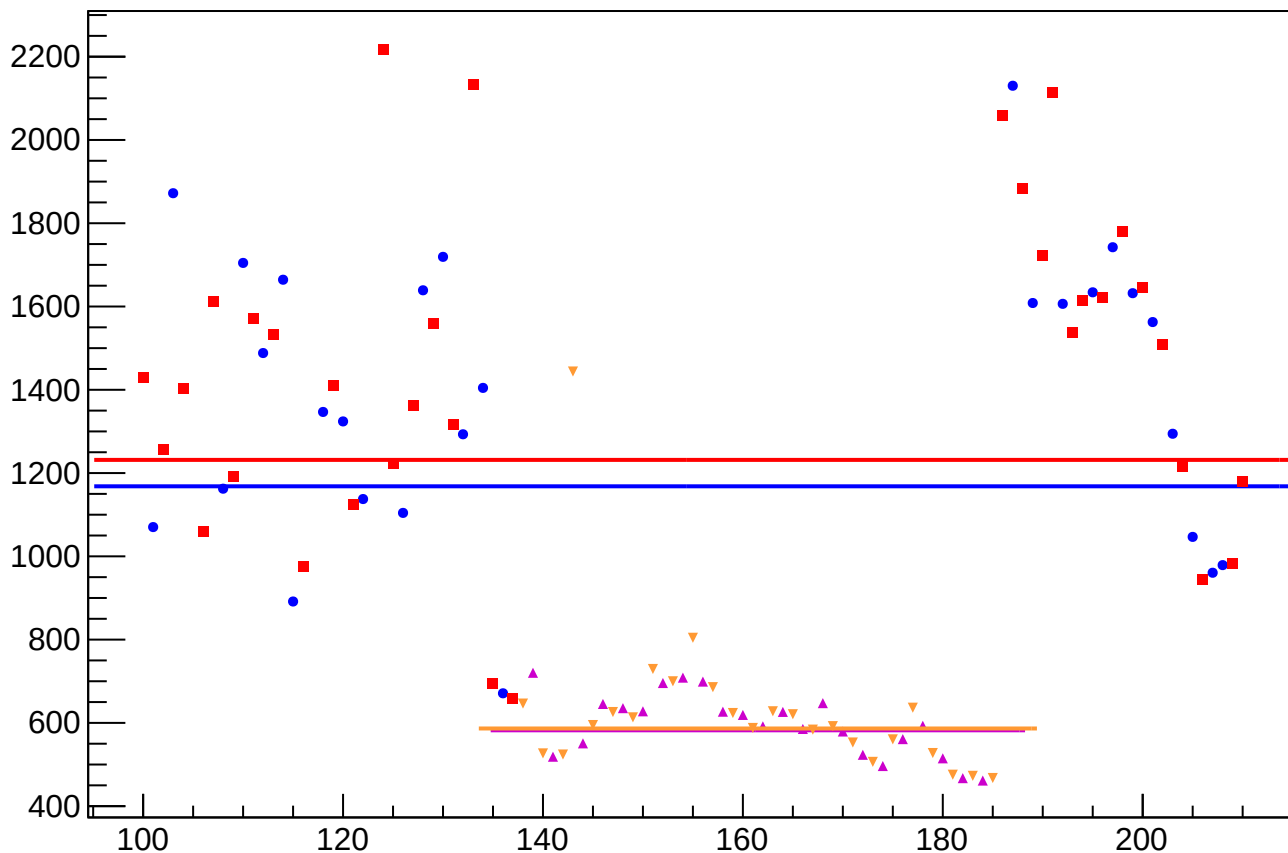
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 614.789 $\pm$ 124.205 χ^2 /NDF: 98.2/51

All: 433.096 $\pm$ 88.154 χ^2 /NDF: 164.5/107

- sign 248.665 $\pm$ 125.137 χ^2 /NDF: 61.9/55

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 1168.199+/-0.218 χ^2/NDF : 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF : 1202822.0/24

Right Out: 1231.638+/-0.215 χ^2/NDF : 2731360.8/32

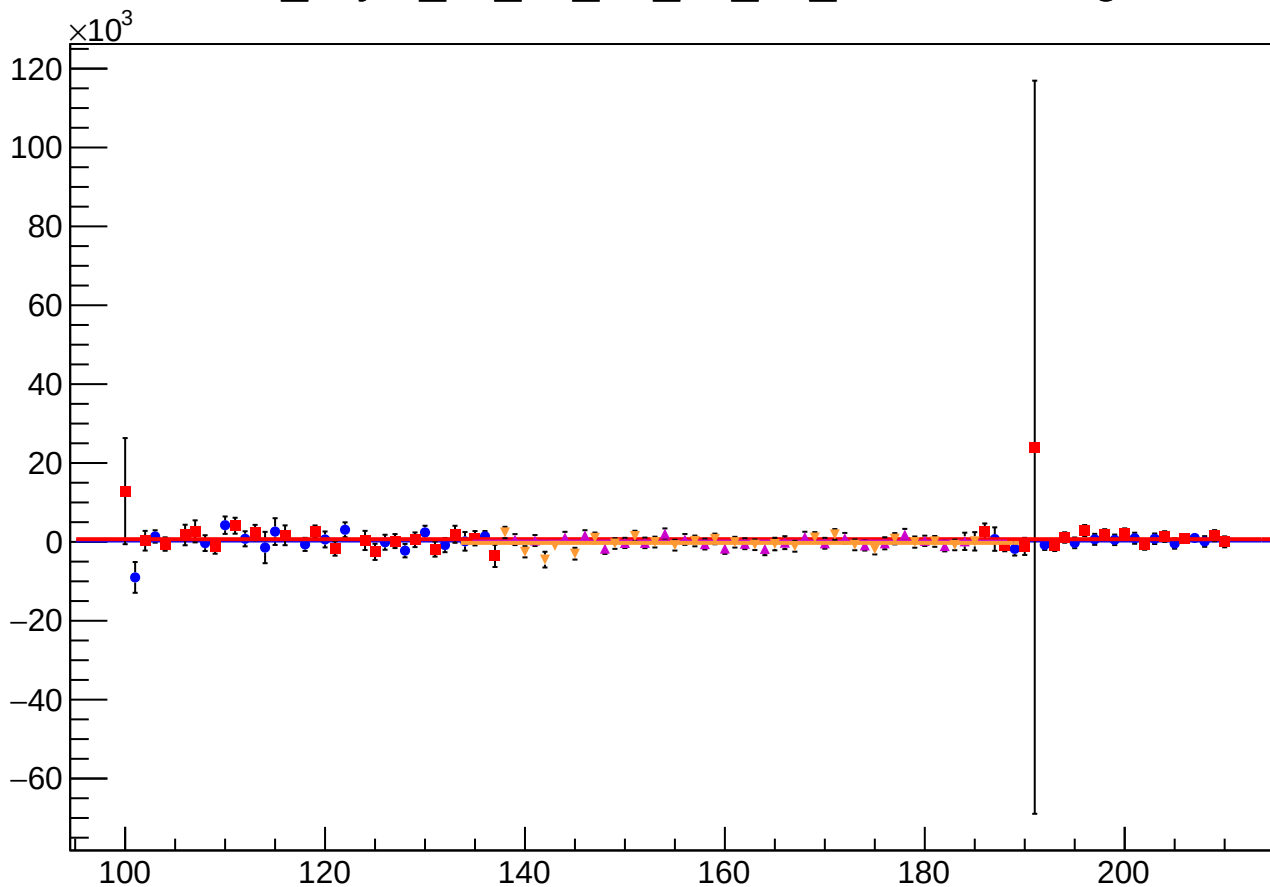
Left In: 582.189+/-0.097 χ^2/NDF : 559258.0/22

+ sign 681.268+/-0.088 χ^2/NDF : 9803510.4/51

All: 686.540+/-0.062 χ^2/NDF : 20663928.3/10

- sign 691.891+/-0.088 χ^2/NDF : 10853157.3/55

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 348.461 ± 320.076 χ^2/NDF : 20.8/26

Left Out: -250.849 ± 279.923 χ^2/NDF : 24.0/24

Right Out: 682.822 ± 303.062 χ^2/NDF : 27.5/32

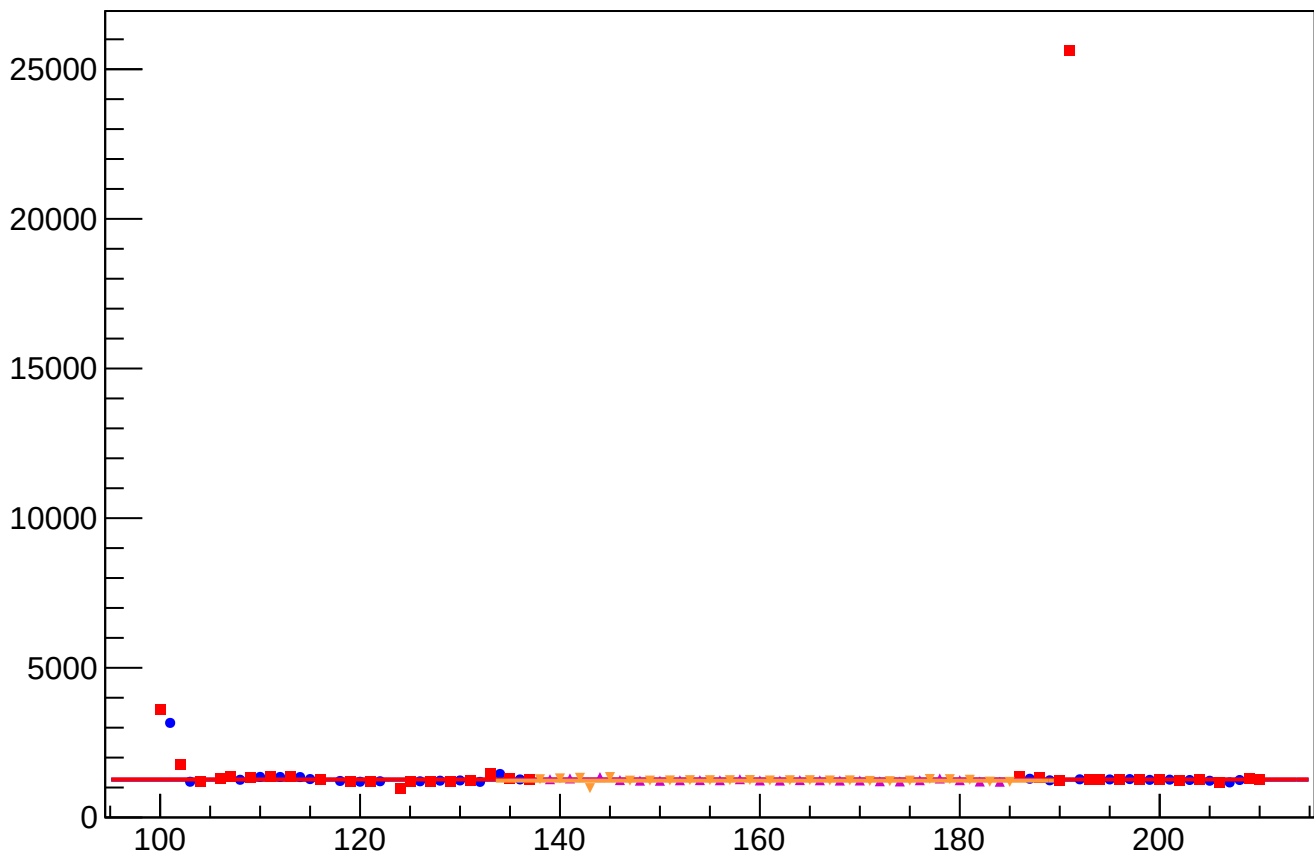
Left In: 74.881 ± 291.458 χ^2/NDF : 14.0/22

+ sign 8.878 ± 210.710 χ^2/NDF : 46.8/51

All: 188.475 ± 148.769 χ^2/NDF : 91.8/107

- sign 366.991 ± 210.074 χ^2/NDF : 43.6/55

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1262.595+/-0.226 χ^2/NDF : 523974.4/26

Left Out: 1229.986+/-0.198 χ^2/NDF : 141607.5/24

Right Out: 1269.647+/-0.214 χ^2/NDF : 385088.2/32

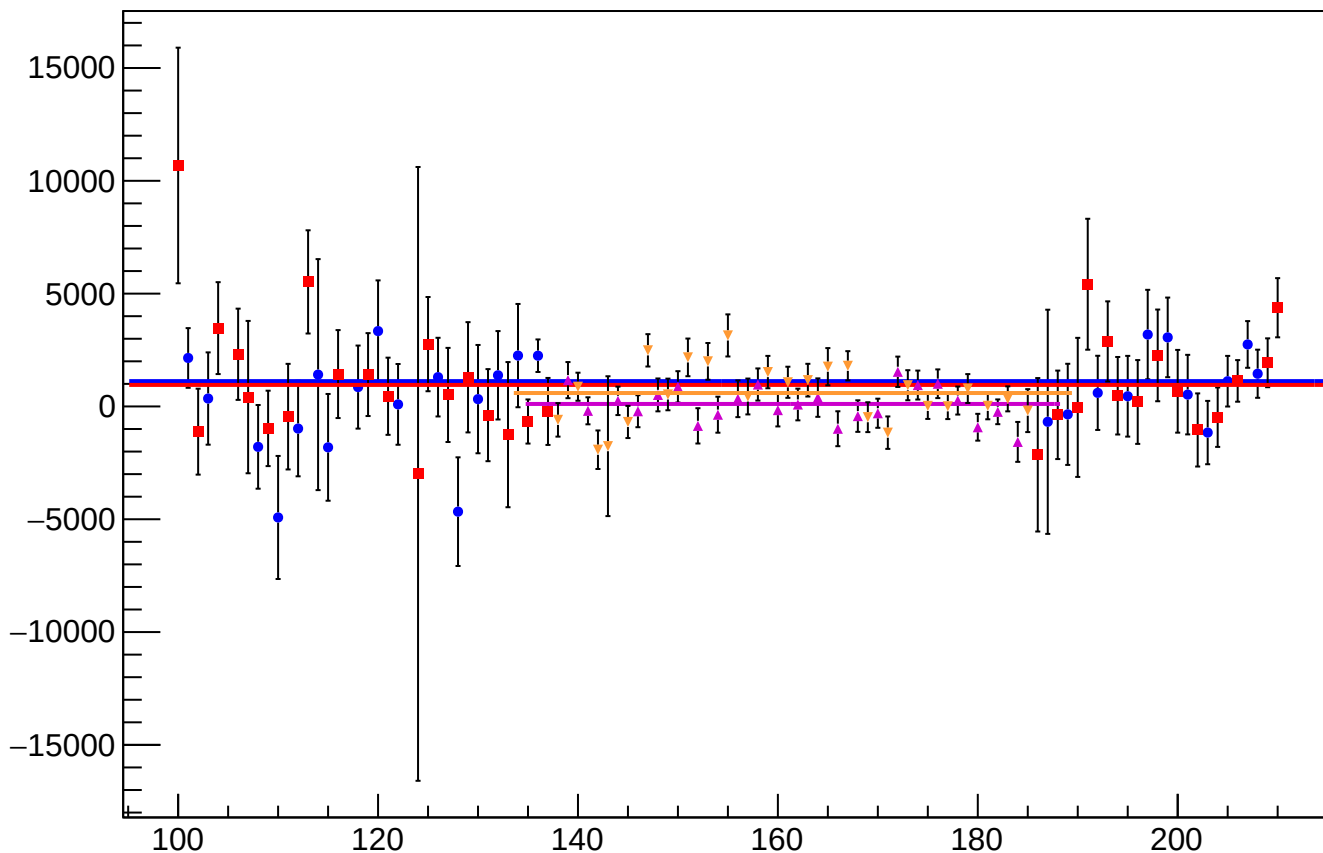
Left In: 1247.785+/-0.206 χ^2/NDF : 27340.8/22

+ sign 1244.118+/-0.149 χ^2/NDF : 677343.9/51

All: 1251.225+/-0.105 χ^2/NDF : 1099716.7/10

- sign 1258.290+/-0.149 χ^2/NDF : 417835.7/55

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 1122.509 $\pm$ 309.127 χ^2 /NDF: 29.0/26

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 954.200 $\pm$ 306.970 χ^2 /NDF: 33.7/32

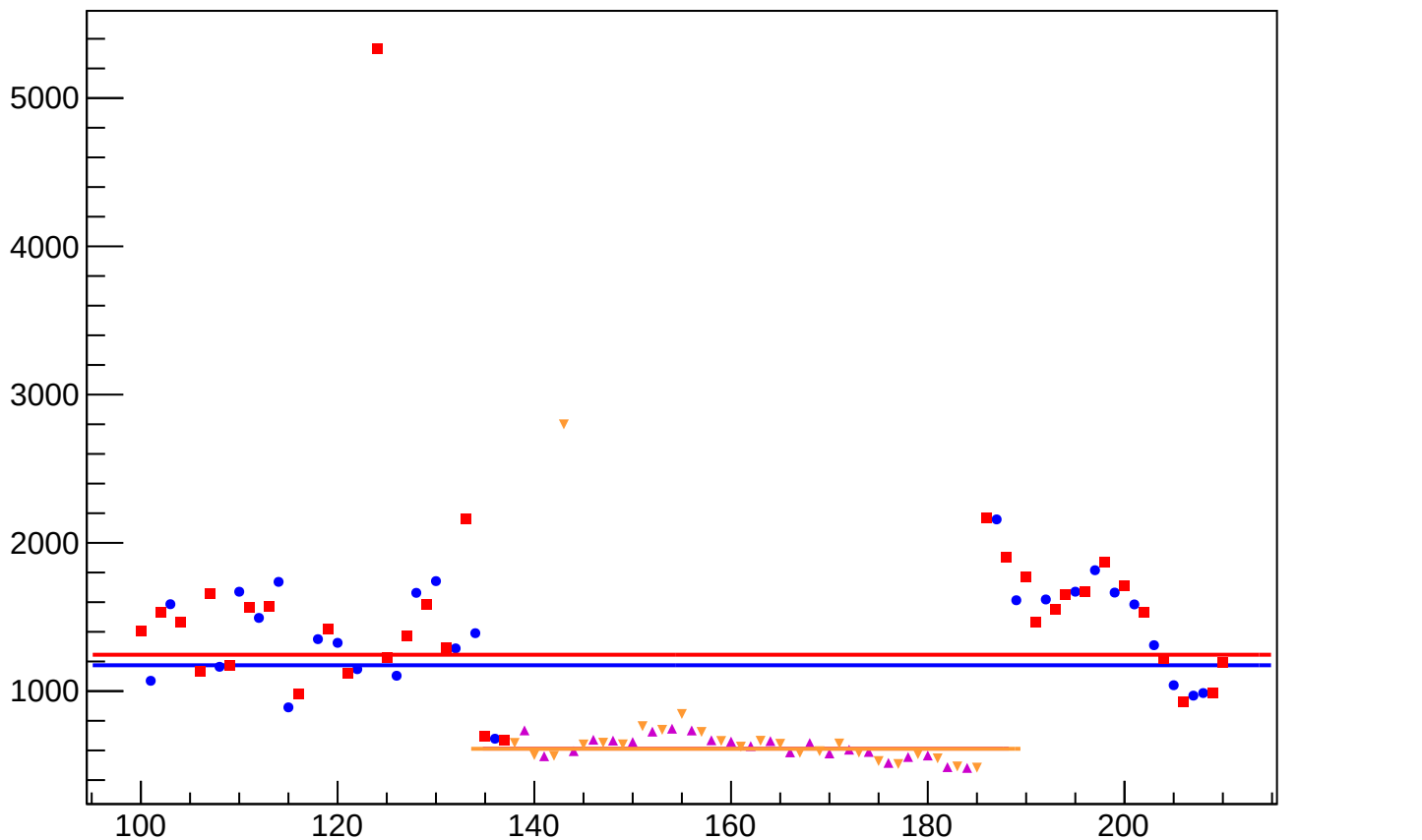
Left In: 110.252 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 687.054 $\pm$ 129.135 χ^2 /NDF: 88.7/51

All: 477.260 $\pm$ 91.805 χ^2 /NDF: 159.7/107

- sign 262.874 $\pm$ 130.541 χ^2 /NDF: 65.6/55

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1174.511 ± 0.219 $\chi^2/\text{NDF}: 2565824.2/26$

Left Out: 611.087 ± 0.101 $\chi^2/\text{NDF}: 1619322.3/24$

Right Out: 1245.422 ± 0.217 $\chi^2/\text{NDF}: 3027563.7/32$

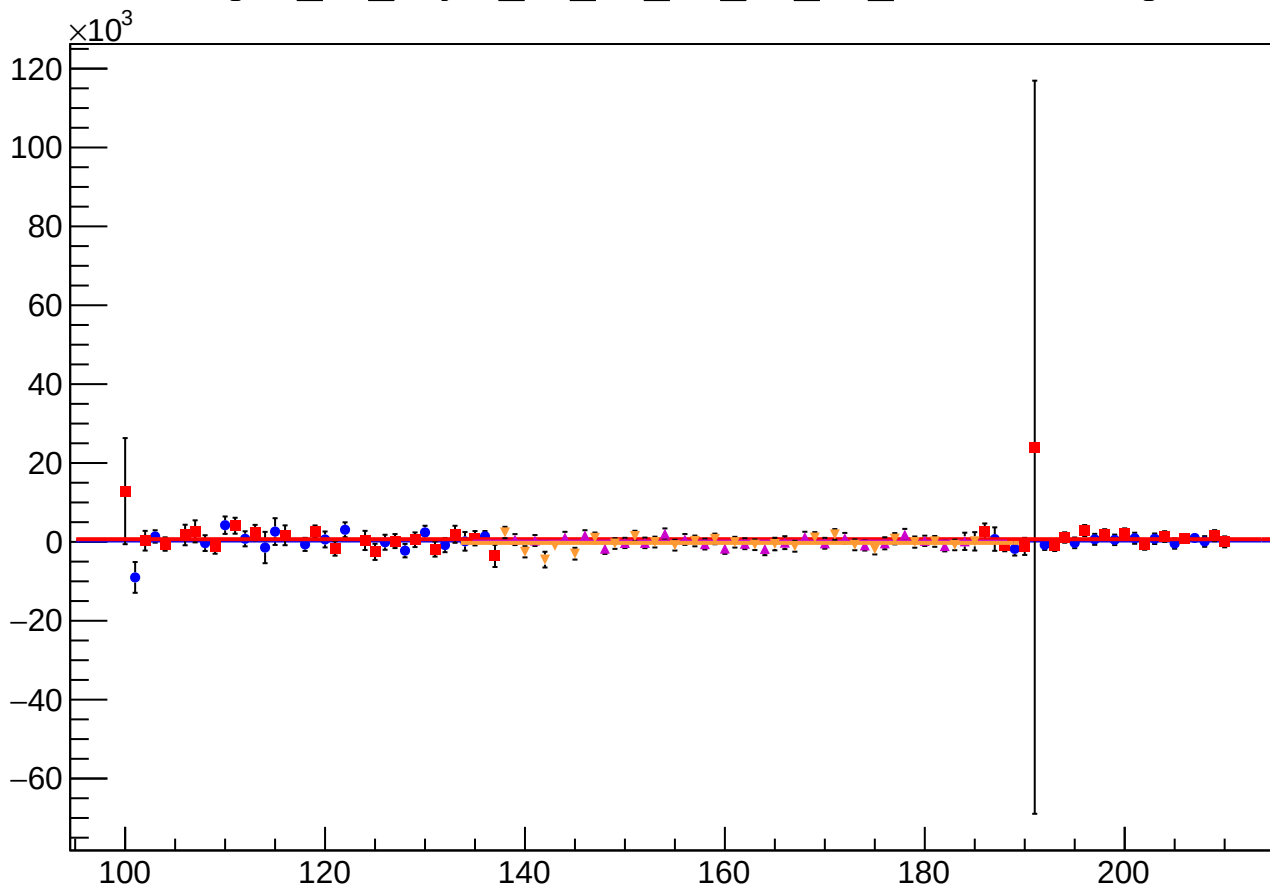
Left In: 612.399 ± 0.102 $\chi^2/\text{NDF}: 508595.4/22$

+ sign 709.408 ± 0.091 $\chi^2/\text{NDF}: 9669688.5/51$

All: 718.048 ± 0.065 $\chi^2/\text{NDF}: 20190926.5/10$

- sign 726.876 ± 0.092 $\chi^2/\text{NDF}: 10503137.8/55$

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 348.460 ± 320.076 χ^2/NDF : 20.8/26

Left Out: -250.851 ± 279.923 χ^2/NDF : 24.0/24

Right Out: 682.821 ± 303.062 χ^2/NDF : 27.5/32

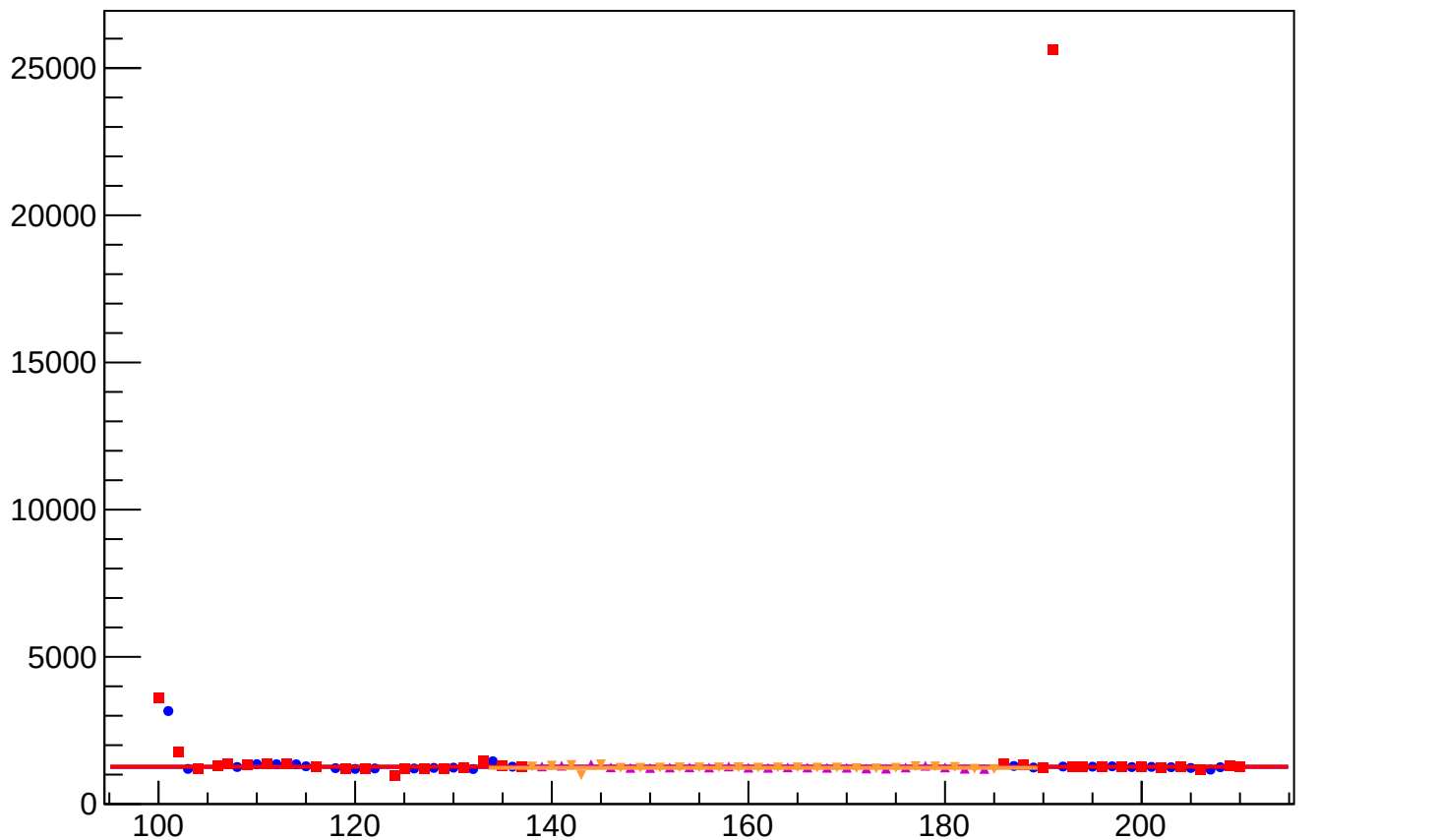
Left In: 74.881 ± 291.458 χ^2/NDF : 14.0/22

+ sign 8.876 ± 210.710 χ^2/NDF : 46.8/51

All: 188.474 ± 148.769 χ^2/NDF : 91.8/107

- sign 366.990 ± 210.074 χ^2/NDF : 43.6/55

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1262.595 $\pm$ 0.226 χ^2 /NDF: 523974.5/26

Left Out: 1229.986 $\pm$ 0.198 χ^2 /NDF: 141606.6/24

Right Out: 1269.647 $\pm$ 0.214 χ^2 /NDF: 385088.0/32

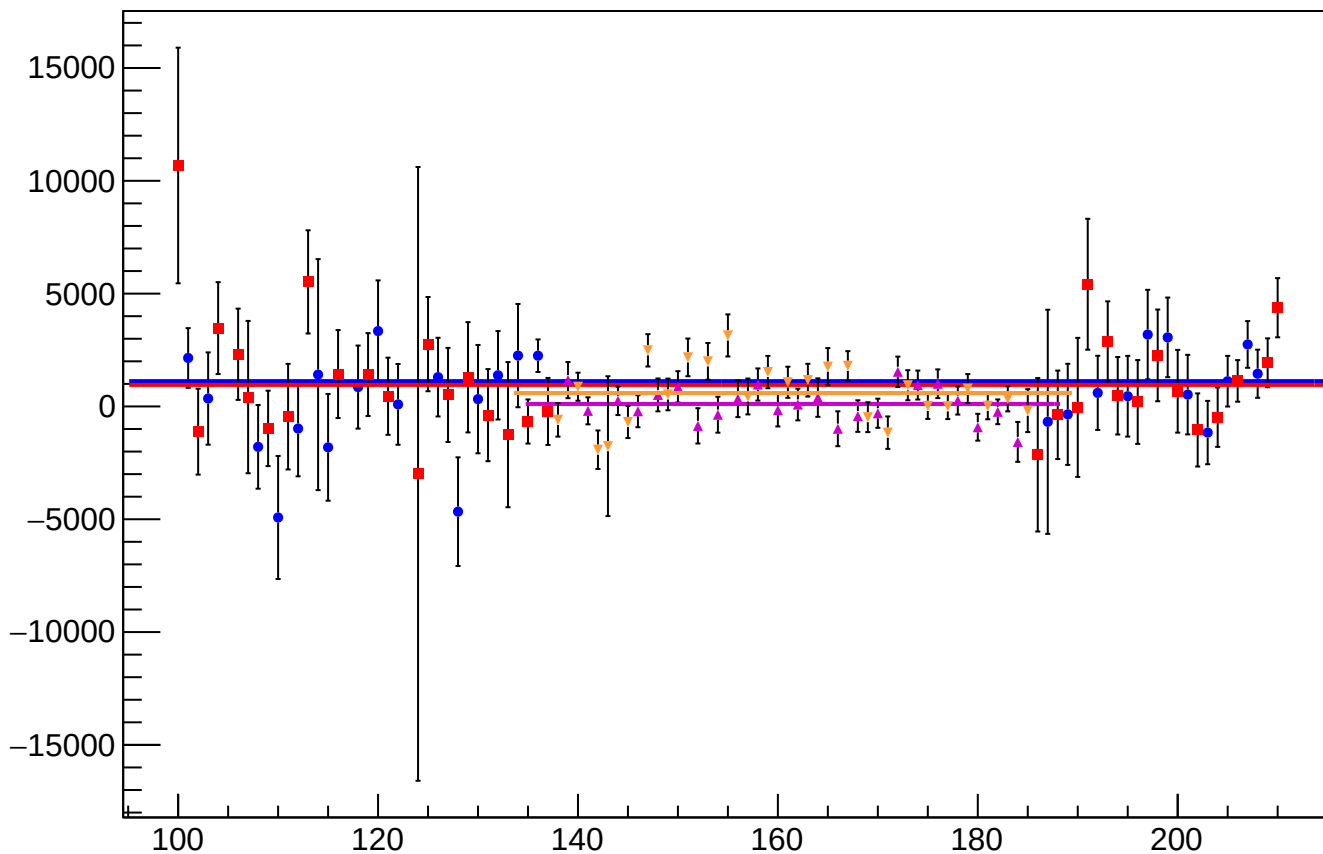
Left In: 1247.785 $\pm$ 0.206 χ^2 /NDF: 27340.7/22

+ sign 1244.118 $\pm$ 0.149 χ^2 /NDF: 677343.0/51

All: 1251.225 $\pm$ 0.105 χ^2 /NDF: 1099715.6/10

- sign 1258.289 $\pm$ 0.149 χ^2 /NDF: 417835.5/55

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 1122.507 $\pm$ 309.127 χ^2 /NDF: 29.0/26

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 954.204 $\pm$ 306.970 χ^2 /NDF: 33.7/32

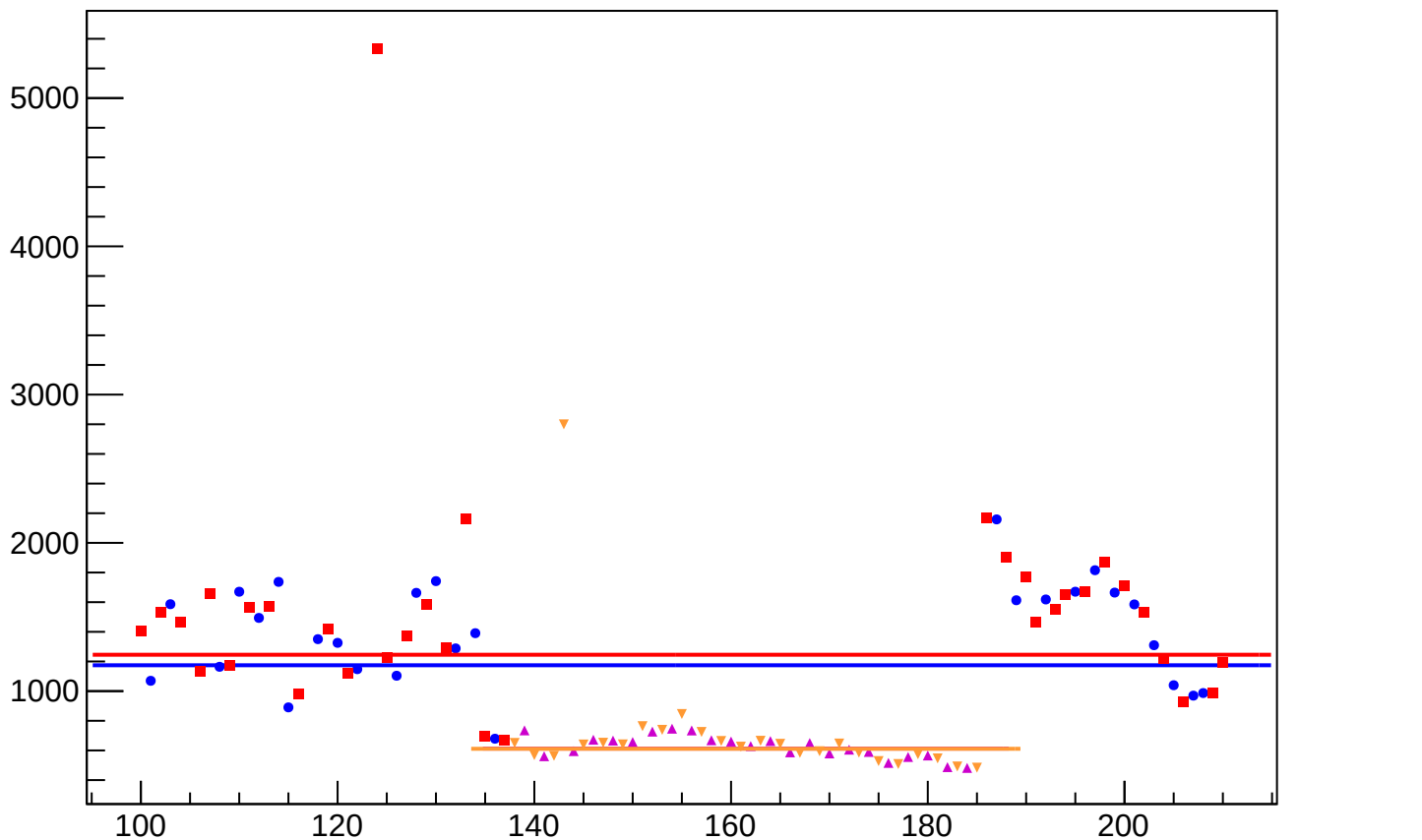
Left In: 110.251 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 687.054 $\pm$ 129.135 χ^2 /NDF: 88.7/51

All: 477.260 $\pm$ 91.805 χ^2 /NDF: 159.7/107

- sign 262.873 $\pm$ 130.541 χ^2 /NDF: 65.6/55

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1174.513+/-0.219 χ^2/NDF : 2565767.1/26

Left Out: 611.086+/-0.101 χ^2/NDF : 1619319.5/24

Right Out: 1245.425+/-0.217 χ^2/NDF : 3027508.0/32

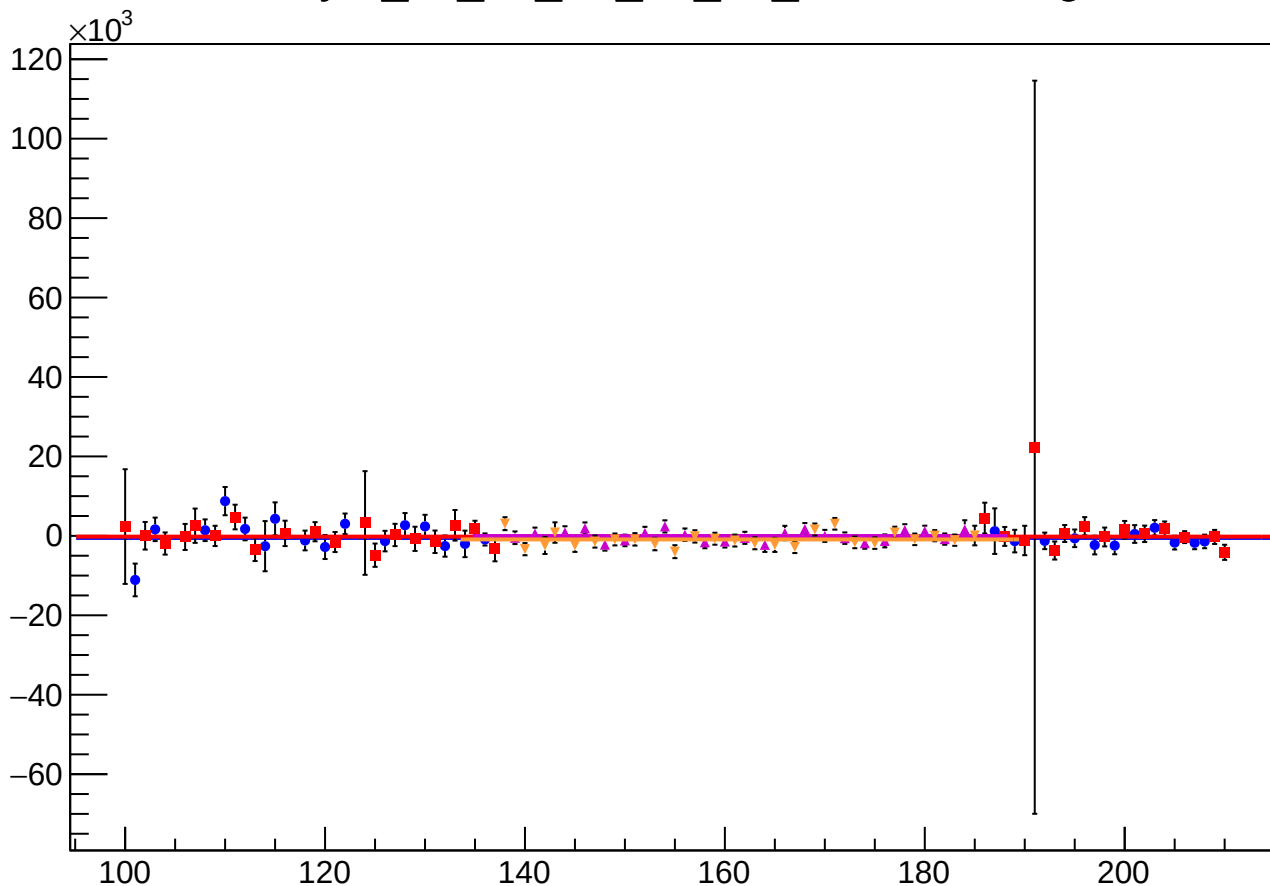
Left In: 612.398+/-0.102 χ^2/NDF : 508597.7/22

+ sign 709.408+/-0.091 χ^2/NDF : 9669662.7/51

All: 718.048+/-0.065 χ^2/NDF : 20190912.2/10

- sign 726.876+/-0.092 χ^2/NDF : 10503150.4/55

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -515.327 ± 469.100 χ^2/NDF : 27.0/26

Left Out: -899.894 ± 316.449 χ^2/NDF : 29.8/24

Right Out: -198.111 ± 452.190 χ^2/NDF : 21.8/32

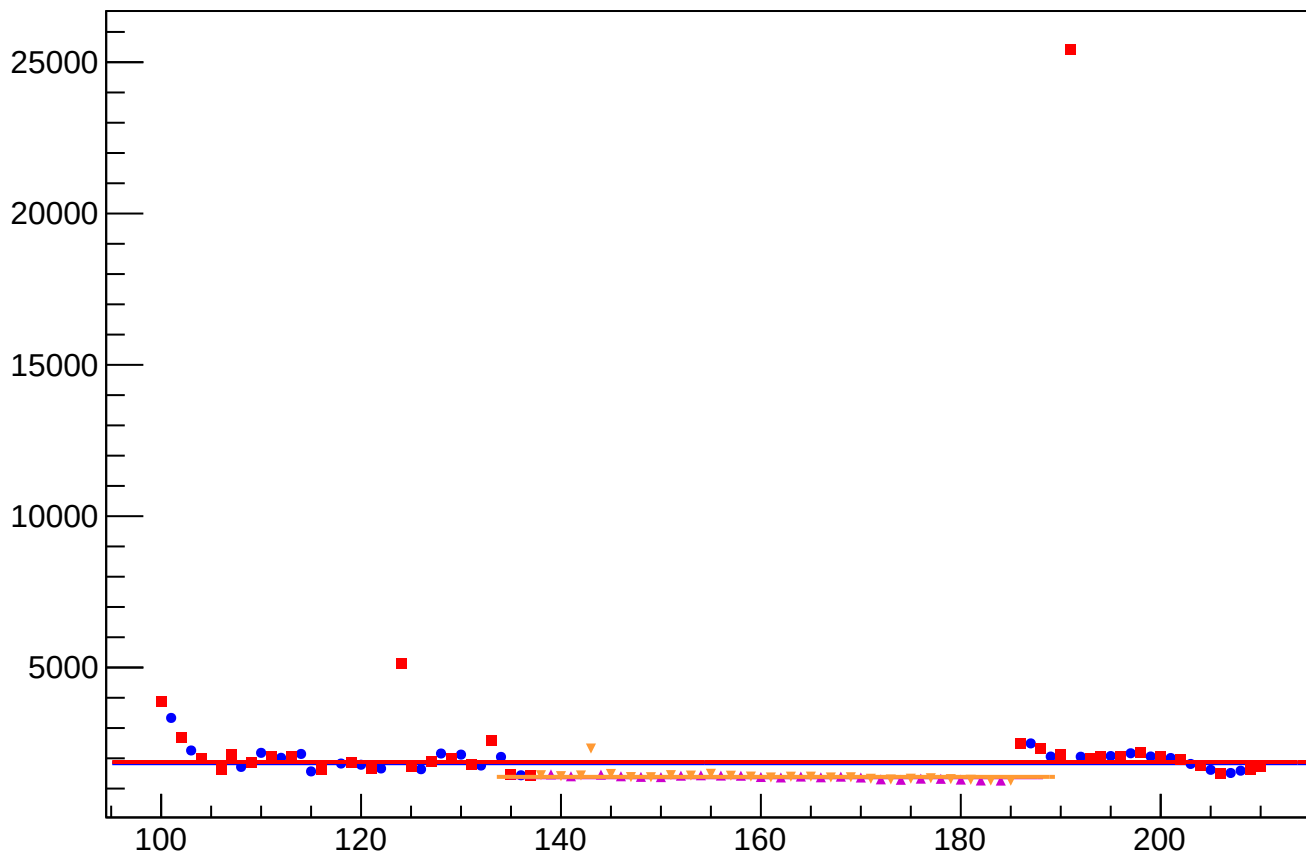
Left In: -48.178 ± 320.929 χ^2/NDF : 17.9/22

+ sign -779.622 ± 262.339 χ^2/NDF : 57.3/51

All: -438.201 ± 185.280 χ^2/NDF : 100.4/107

- sign -98.402 ± 261.714 χ^2/NDF : 39.8/55

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1838.153+/-0.332 χ^2/NDF : 863262.8/26

Left Out: 1386.845+/-0.224 χ^2/NDF : 339794.5/24

Right Out: 1878.055+/-0.320 χ^2/NDF : 1049827.5/32

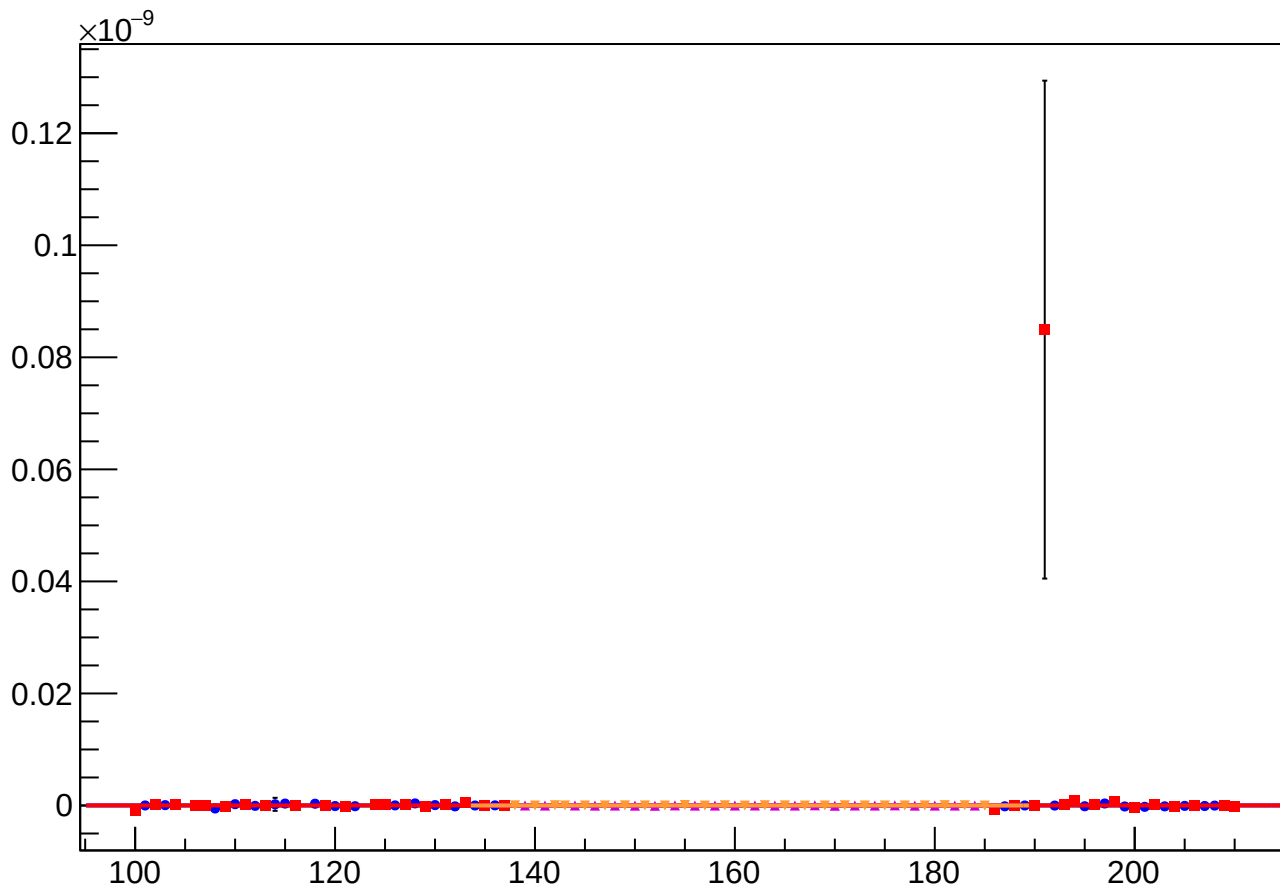
Left In: 1373.217+/-0.227 χ^2/NDF : 64467.6/22

+ sign 1527.990+/-0.186 χ^2/NDF : 2475277.4/51

All: 1535.175+/-0.131 χ^2/NDF : 5250371.6/100

- sign 1542.326+/-0.185 χ^2/NDF : 2772100.6/55

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 23.0/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 24.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 48.4/32

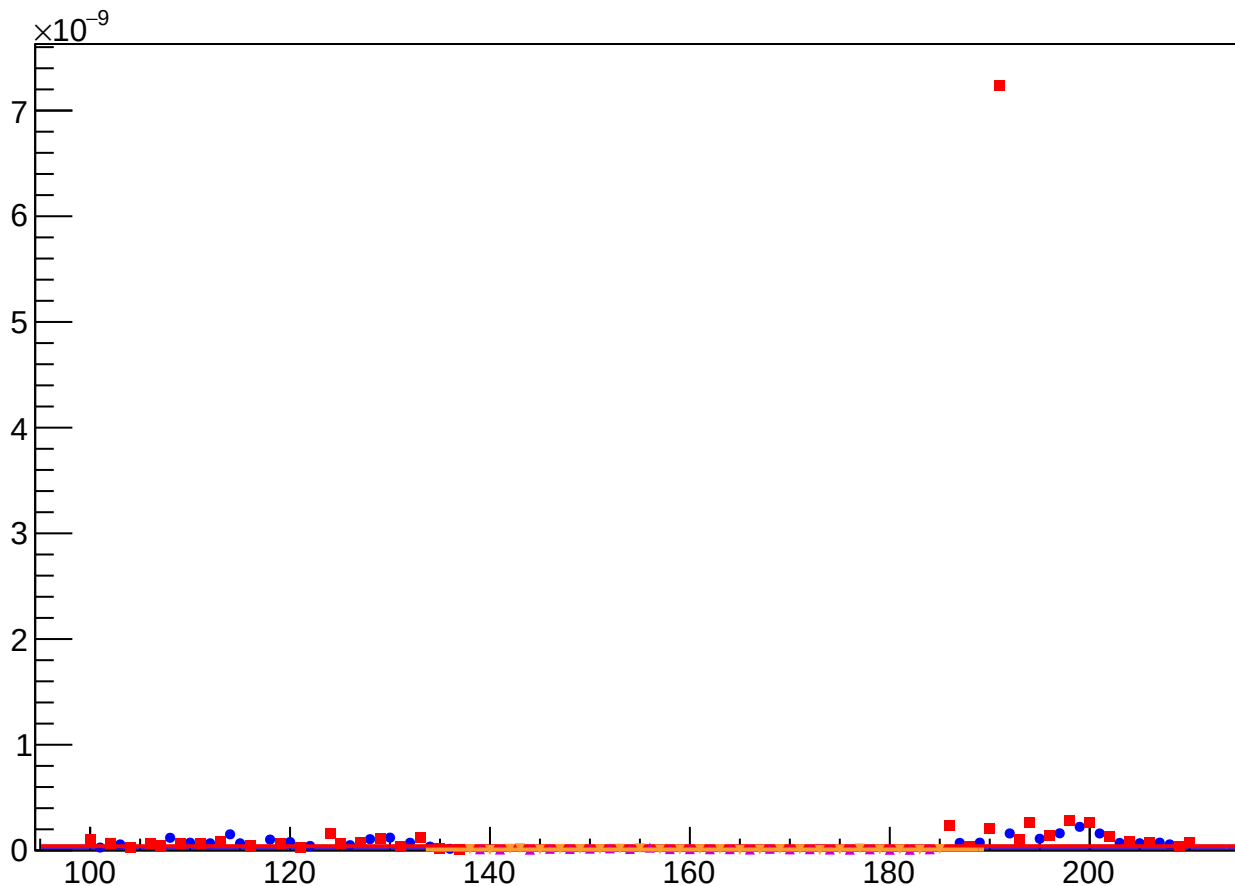
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 13.5/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 47.9/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 111.0/107

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 62.4/55

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6001472.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6612571.9/32

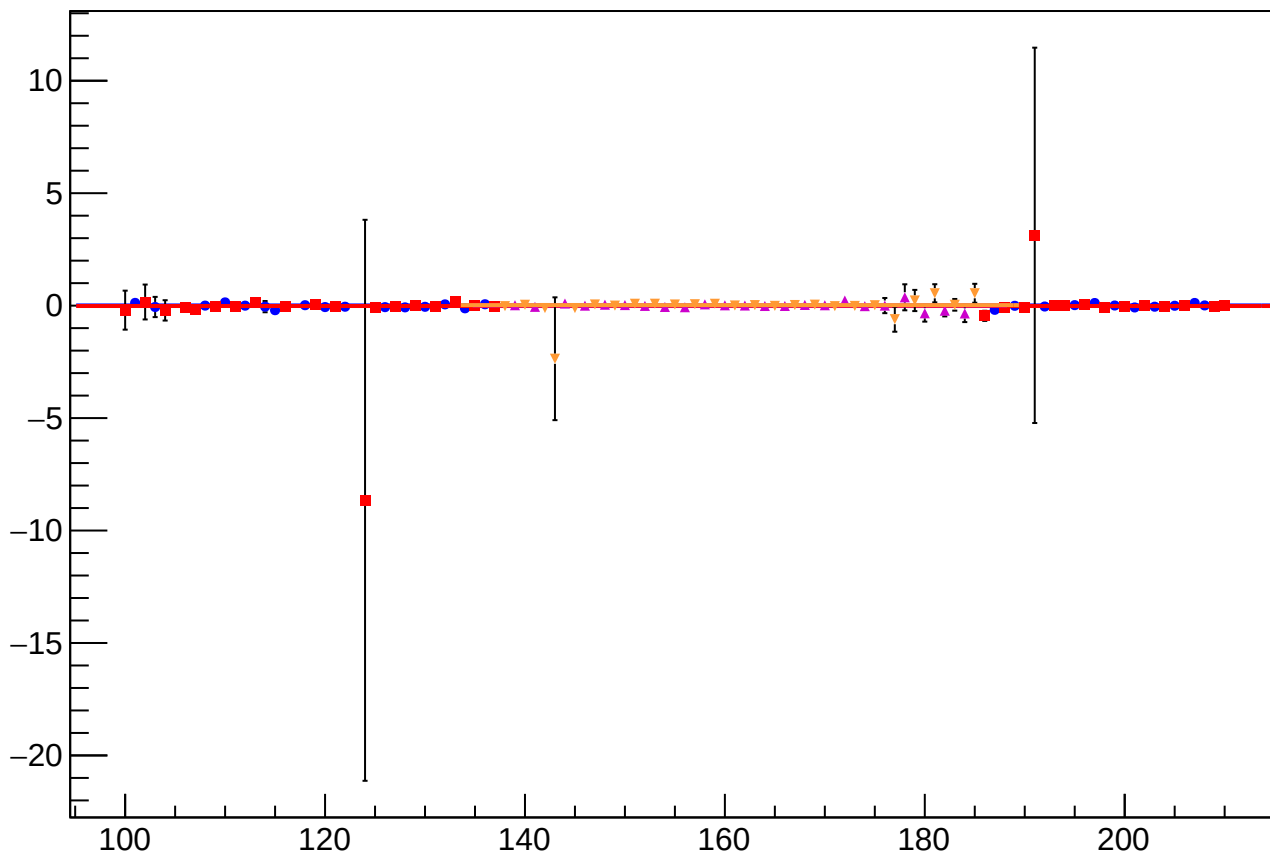
Left In: 0.000+/-0.000 χ^2/NDF : 1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 12239215.0/51

All: 0.000+/-0.000 χ^2/NDF : 24929280.7/107

- sign 0.000+/-0.000 χ^2/NDF : 12381756.6/55

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.010 χ^2 /NDF: 42.1/26

Left Out: 0.023 $\pm$ 0.010 χ^2 /NDF:22.8/24

Right Out: -0.017 $\pm$ 0.010 χ^2 /NDF: 22.6/32

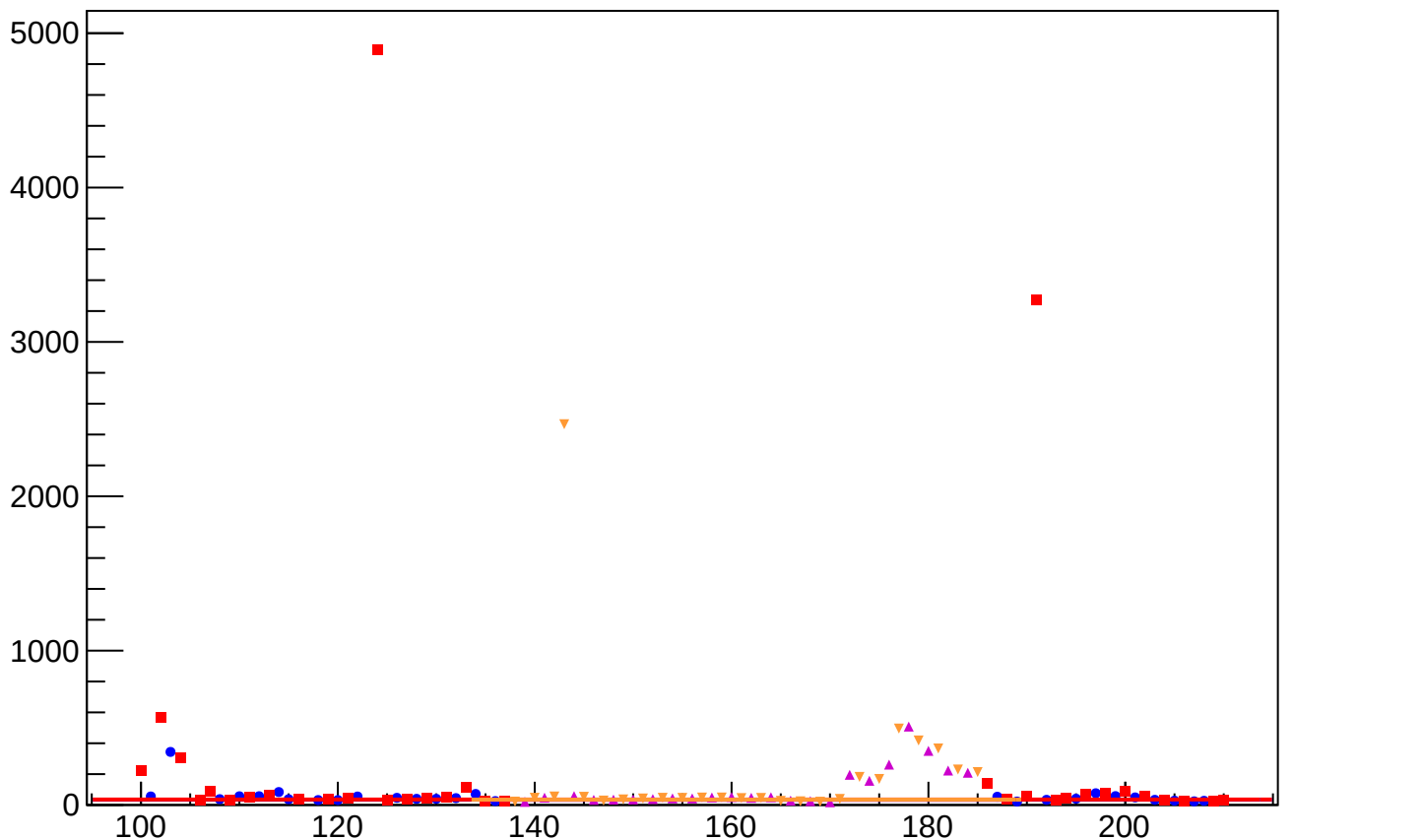
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:14.8/22

+ sign 0.016 $\pm$ 0.007 χ^2 /NDF: 66.0/51

All: 0.006 $\pm$ 0.005 χ^2 /NDF: 110.5/107

- sign -0.003 $\pm$ 0.007 χ^2 /NDF: 40.9/55

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.255+/-0.007 χ^2/NDF : 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF : 11402451.4/24

Right Out: 35.499+/-0.007 χ^2/NDF : 6386702.3/32

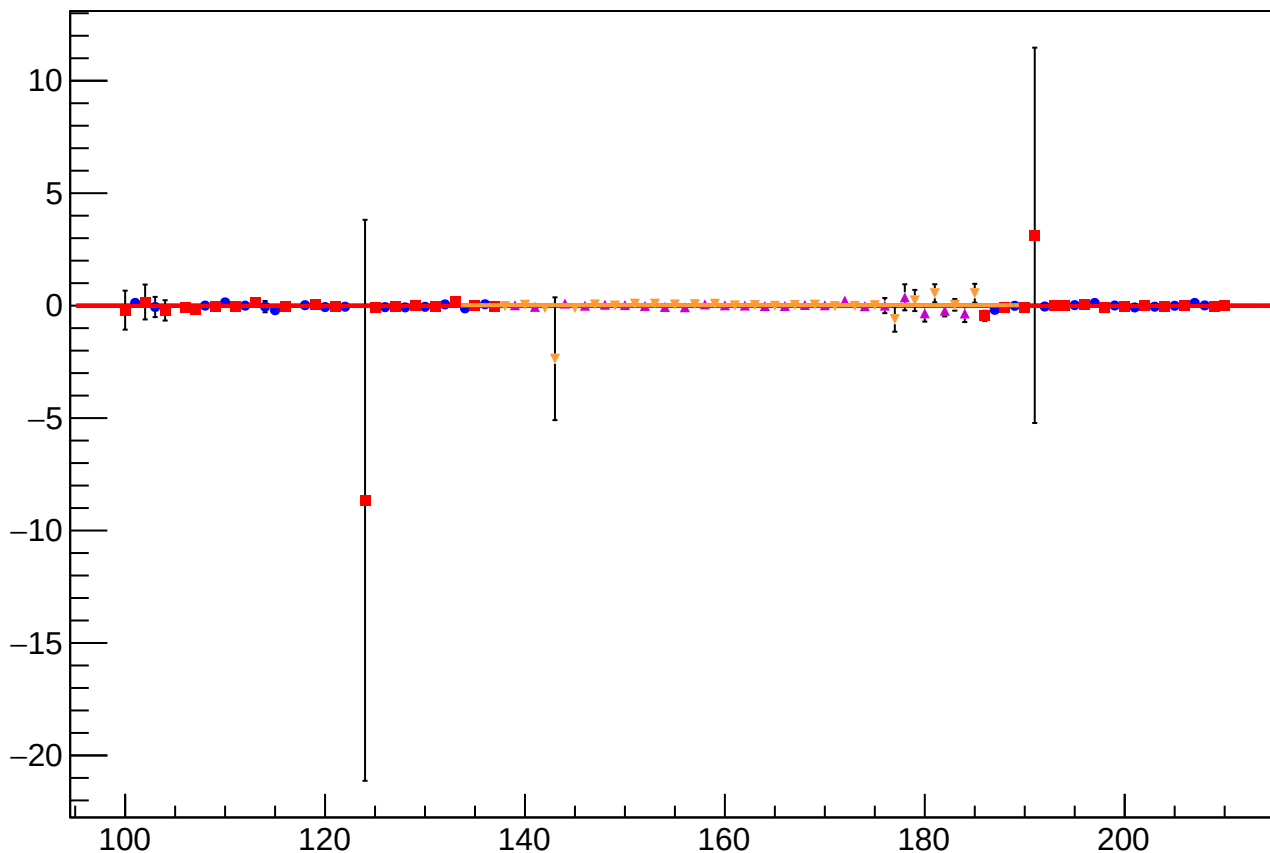
Left In: 33.592+/-0.007 χ^2/NDF : 10067466.4/22

+ sign 34.436+/-0.005 χ^2/NDF : 14964426.0/51

All: 34.484+/-0.004 χ^2/NDF : 31454998.2/107

- sign 34.531+/-0.005 χ^2/NDF : 16490392.9/55

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.010 χ^2 /NDF: 42.1/26

Left Out: 0.023 $\pm$ 0.010 χ^2 /NDF:22.8/24

Right Out: -0.017 $\pm$ 0.010 χ^2 /NDF: 22.6/32

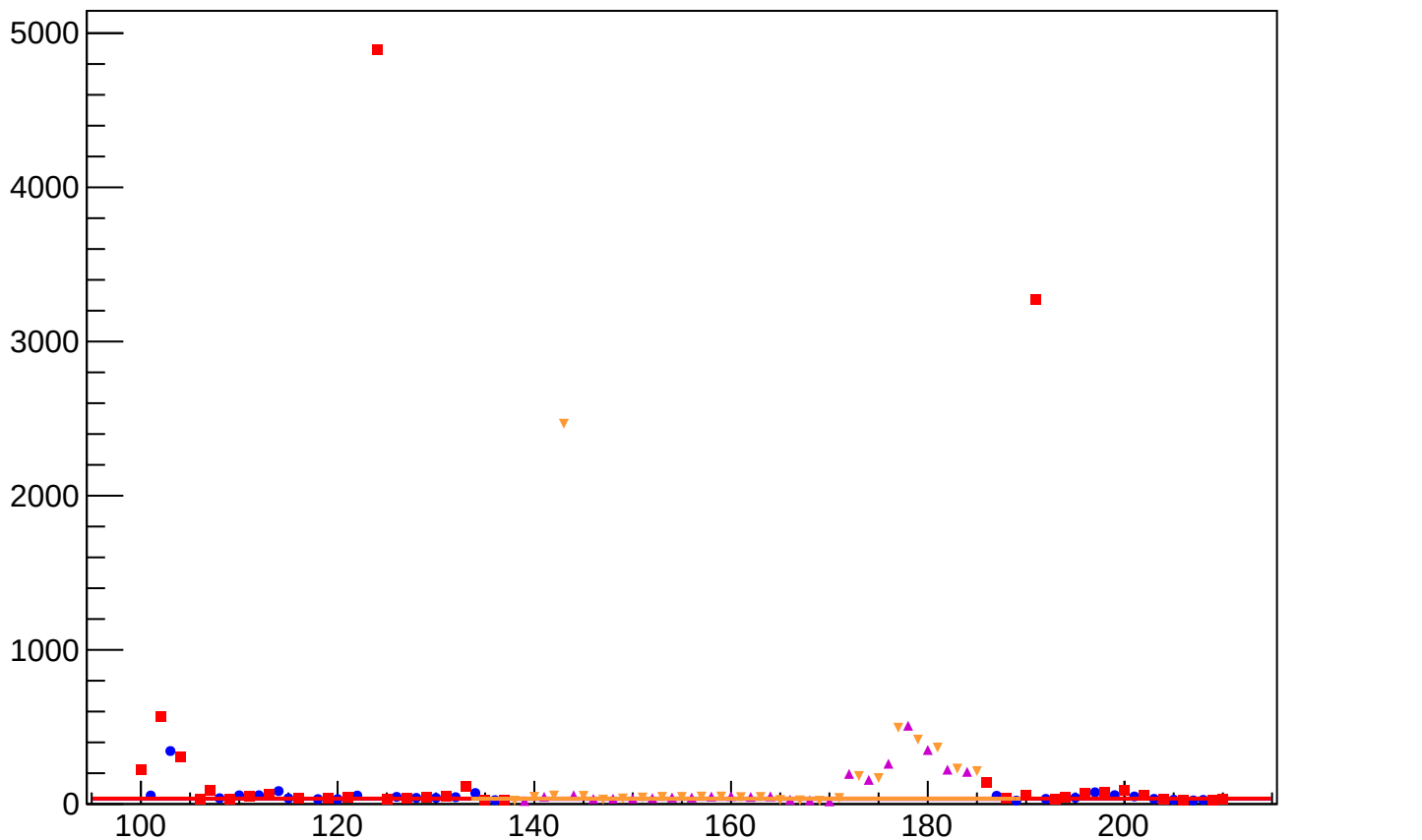
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:14.8/22

+ sign 0.016 $\pm$ 0.007 χ^2 /NDF: 66.0/51

All: 0.006 $\pm$ 0.005 χ^2 /NDF: 110.5/107

- sign -0.003 $\pm$ 0.007 χ^2 /NDF: 40.9/55

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.255+/-0.007 χ^2/NDF : 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF : 11402451.4/24

Right Out: 35.499+/-0.007 χ^2/NDF : 6386702.3/32

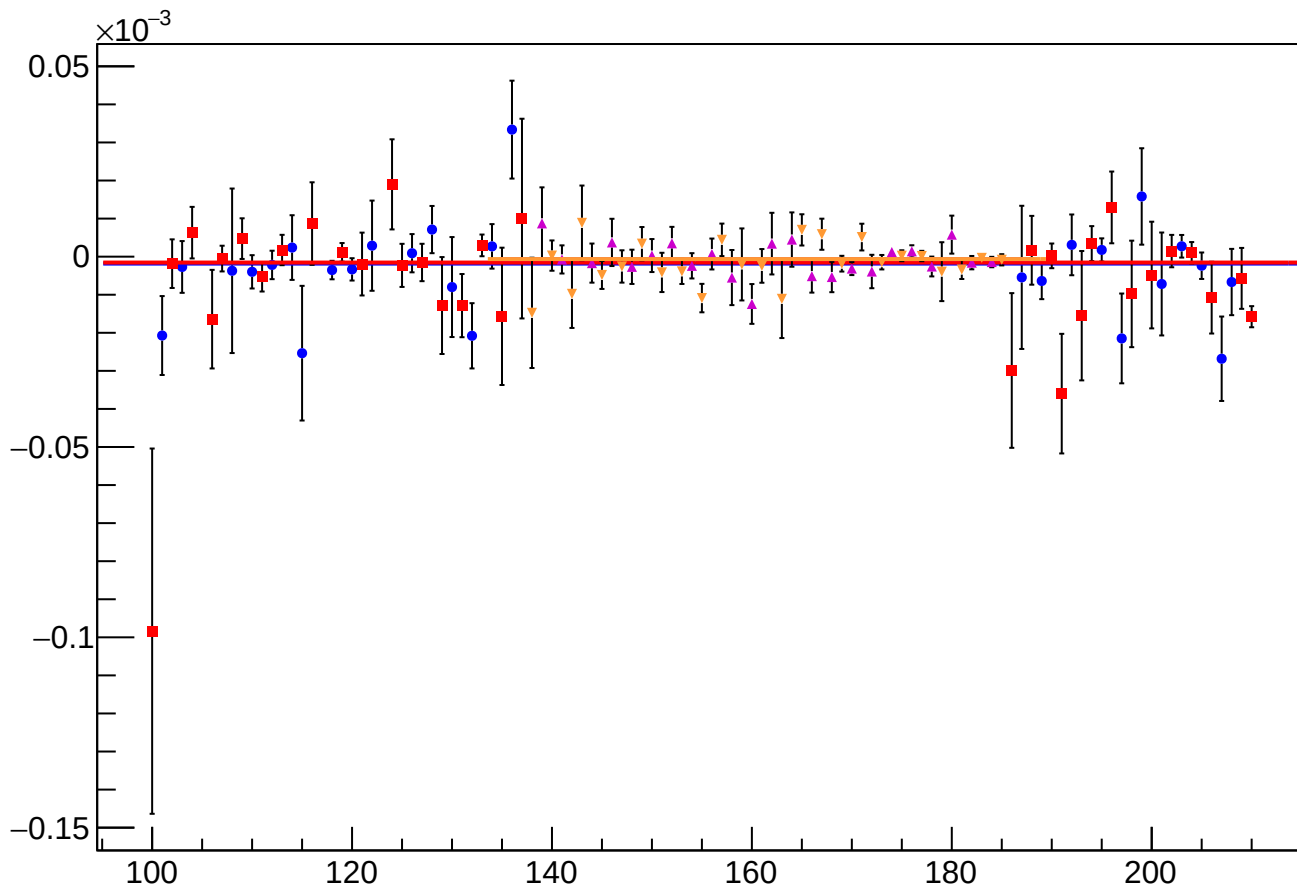
Left In: 33.592+/-0.007 χ^2/NDF : 10067466.4/22

+ sign 34.436+/-0.005 χ^2/NDF : 14964426.0/51

All: 34.484+/-0.004 χ^2/NDF : 31454998.2/107

- sign 34.531+/-0.005 χ^2/NDF : 16490392.9/55

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 37.5/26

Left Out: -0.000+/-0.000 χ^2/NDF : 28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF : 61.6/32

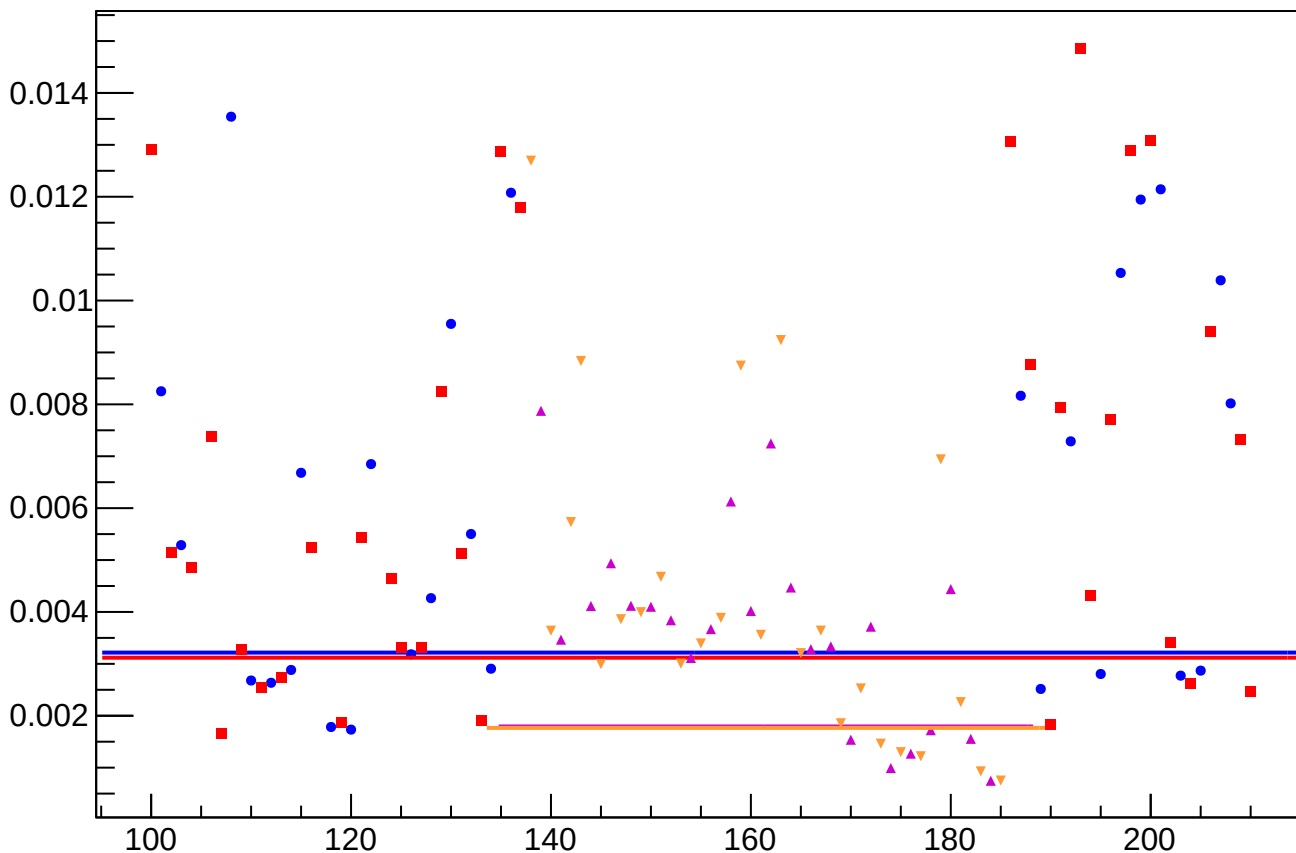
Left In: -0.000+/-0.000 χ^2/NDF : 21.9/22

+ sign -0.000+/-0.000 χ^2/NDF : 67.0/51

All: -0.000+/-0.000 χ^2/NDF : 151.3/107

- sign -0.000+/-0.000 χ^2/NDF : 84.3/55

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 9130058.9/26

Left Out: 0.002+/-0.000 χ^2/NDF :12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 10419511.6/32

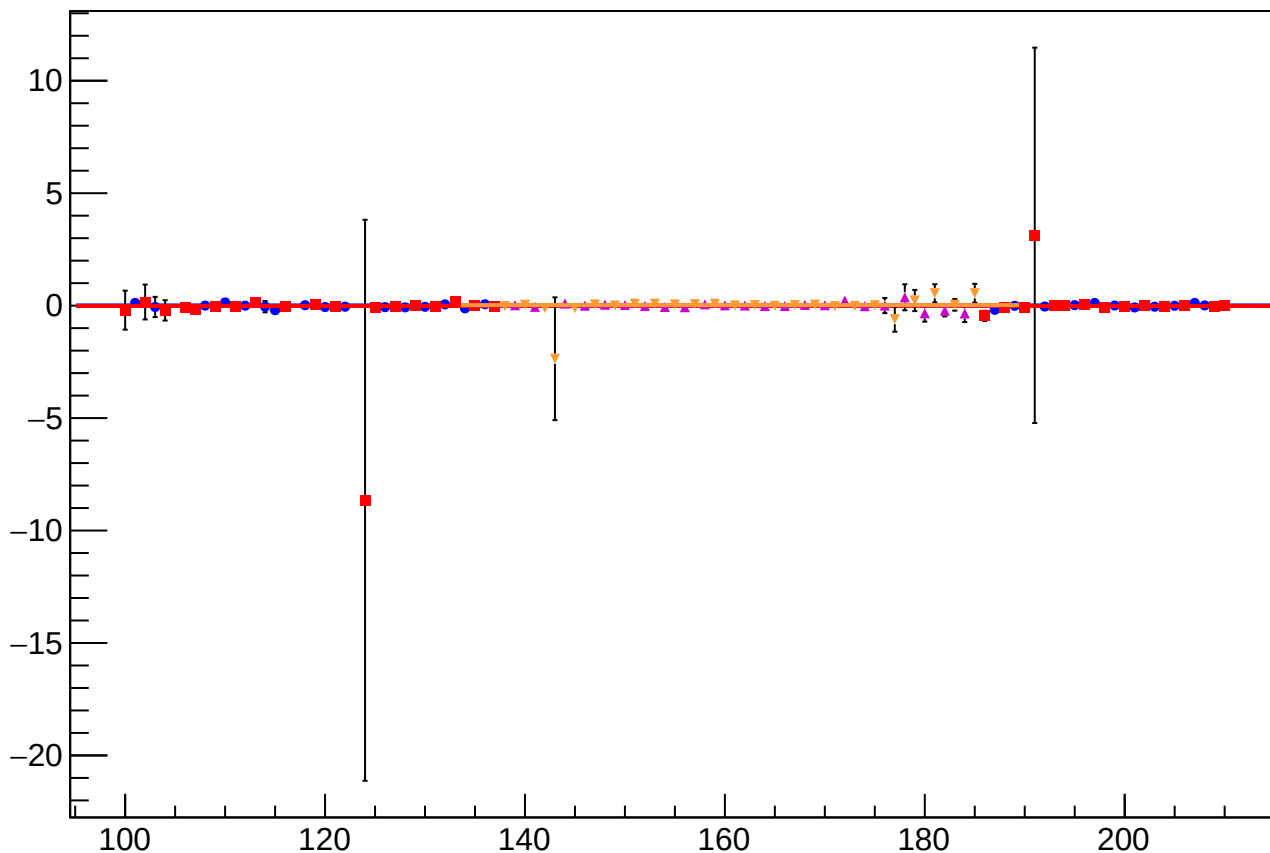
Left In: 0.002+/-0.000 χ^2/NDF :10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF : 25371712.7/51

All: 0.002+/-0.000 χ^2/NDF : 49791760.1/107

- sign 0.002+/-0.000 χ^2/NDF : 24385774.9/55

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.010 χ^2 /NDF: 42.1/26

Left Out: 0.023 $\pm$ 0.010 χ^2 /NDF:22.8/24

Right Out: -0.017 $\pm$ 0.010 χ^2 /NDF: 22.6/32

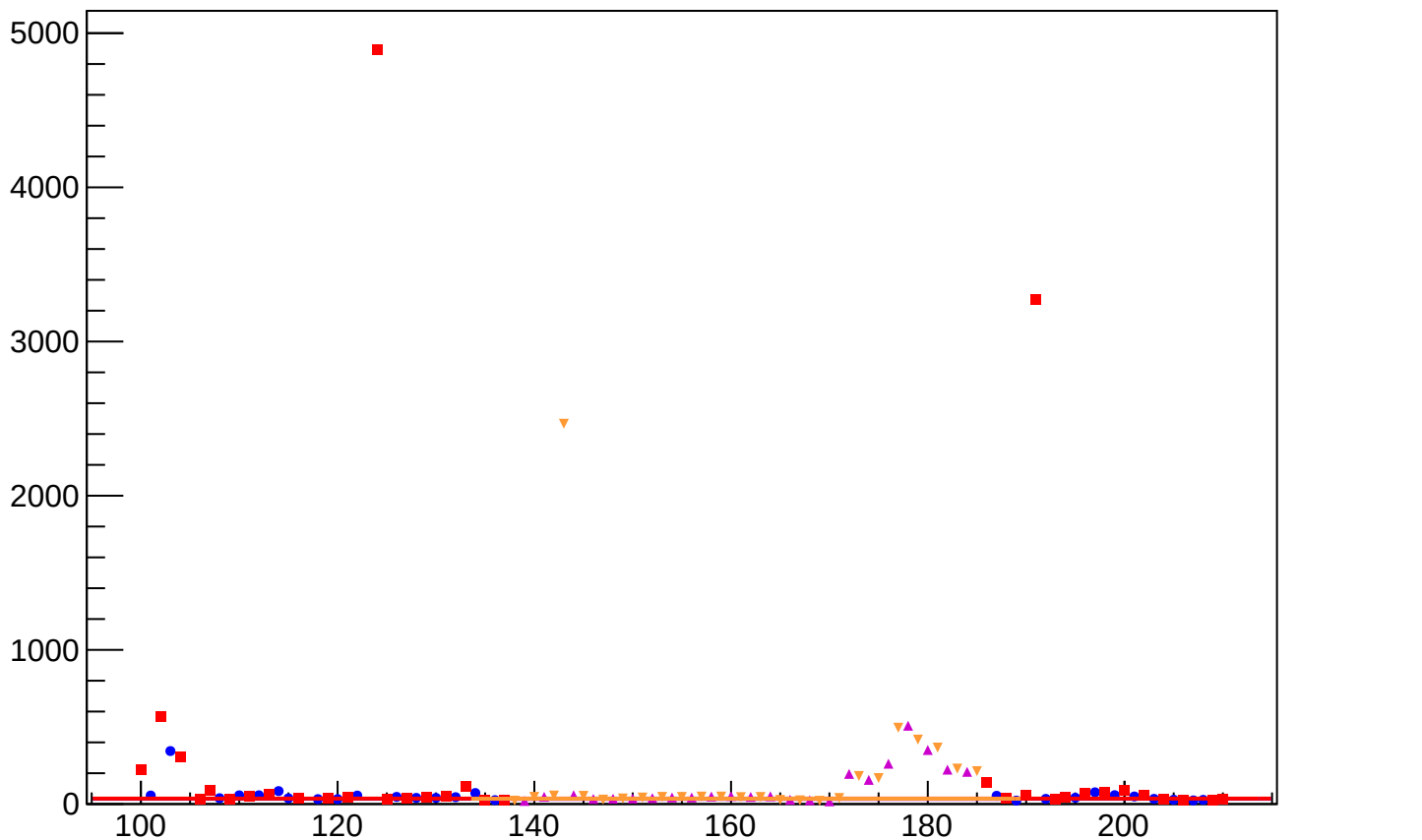
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:14.8/22

+ sign 0.016 $\pm$ 0.007 χ^2 /NDF: 66.0/51

All: 0.006 $\pm$ 0.005 χ^2 /NDF: 110.6/107

- sign -0.003 $\pm$ 0.007 χ^2 /NDF: 40.9/55

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.259+/-0.007 χ^2/NDF : 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF : 11402566.2/24

Right Out: 35.499+/-0.007 χ^2/NDF : 6386655.0/32

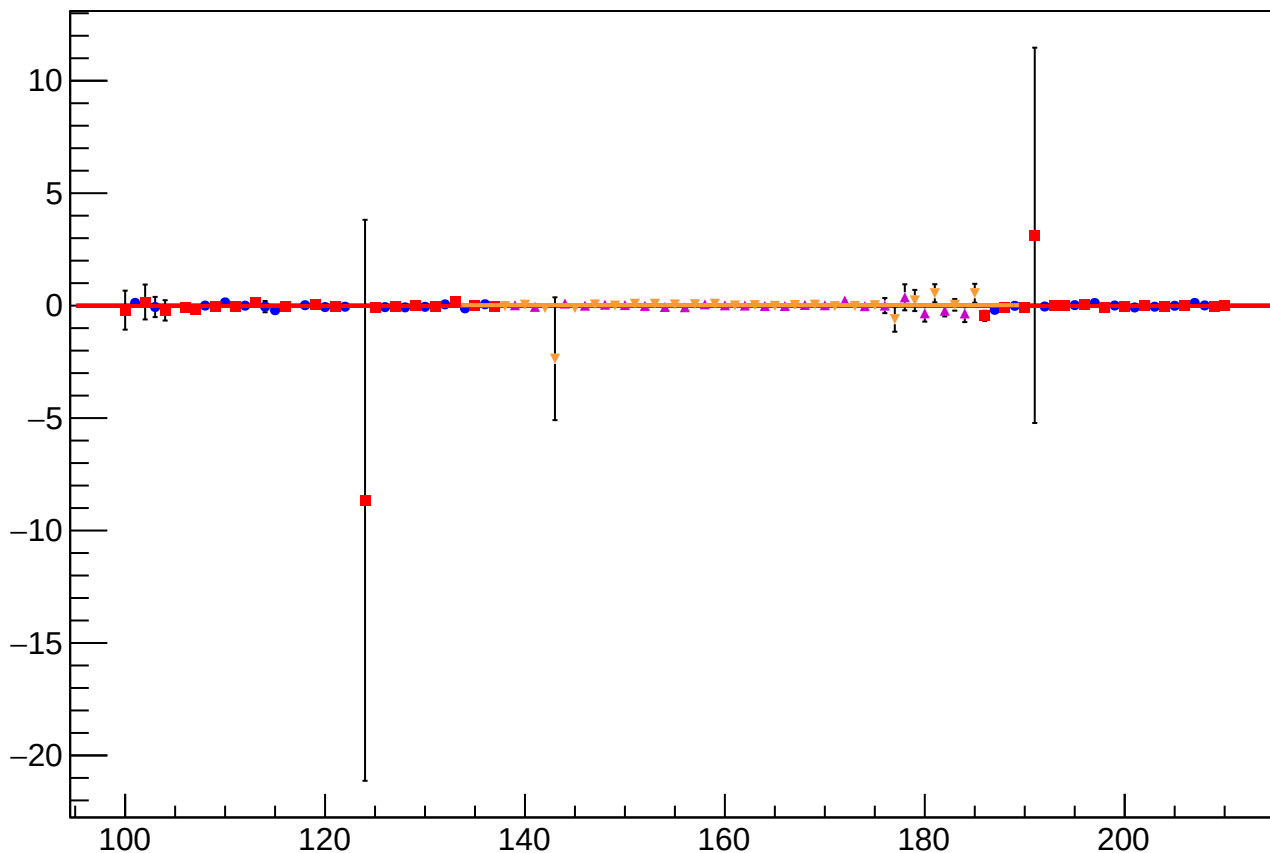
Left In: 33.595+/-0.007 χ^2/NDF : 10066196.6/22

+ sign 34.437+/-0.005 χ^2/NDF : 14963094.2/51

All: 34.485+/-0.004 χ^2/NDF : 31452273.1/107

- sign 34.532+/-0.005 χ^2/NDF : 16488999.5/55

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 ± 0.010 χ^2/NDF : 42.1/26

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.017 ± 0.010 χ^2/NDF : 22.6/32

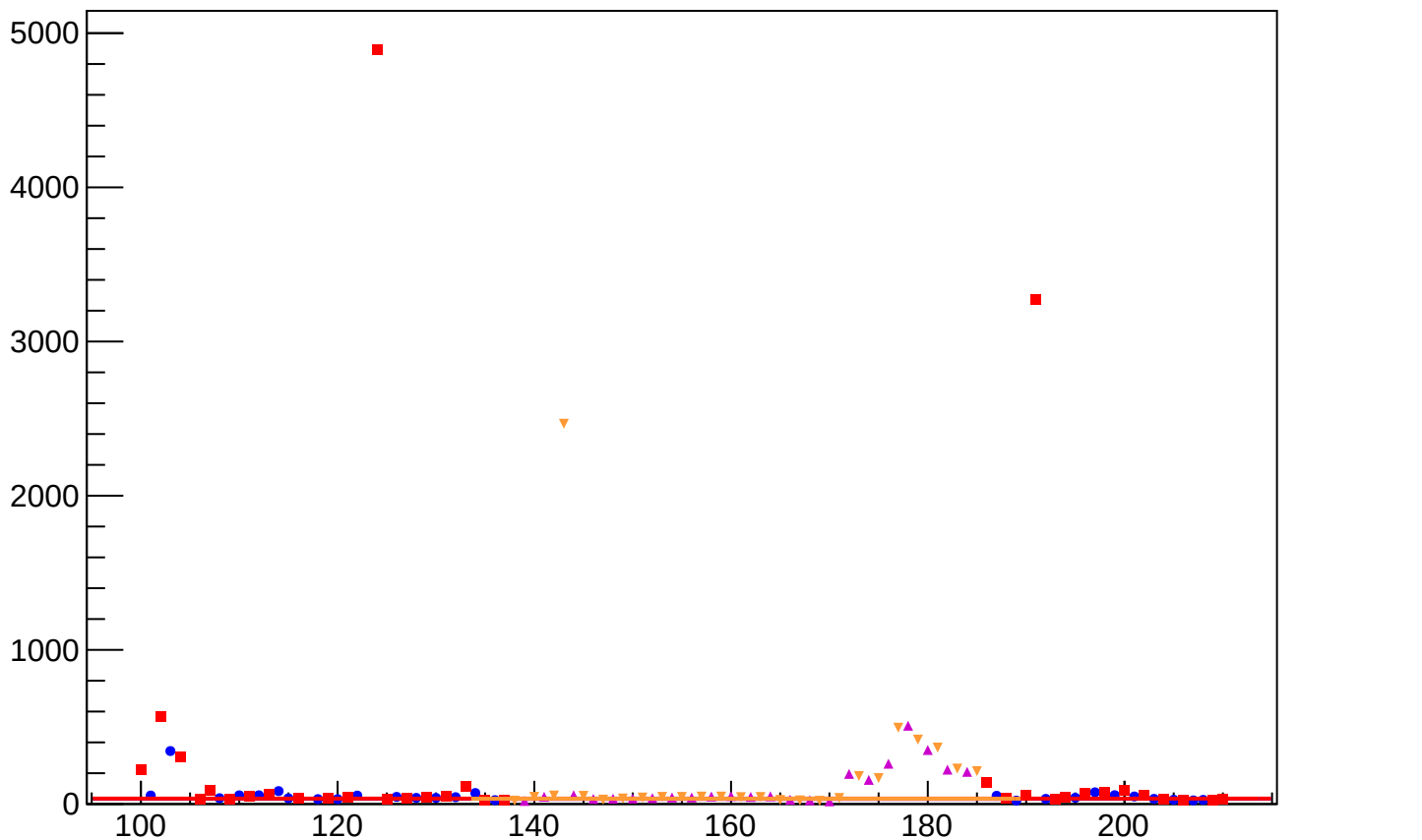
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.016 ± 0.007 χ^2/NDF : 66.0/51

All: 0.006 ± 0.005 χ^2/NDF : 110.6/107

- sign -0.003 ± 0.007 χ^2/NDF : 40.9/55

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.259+/-0.007 χ^2/NDF : 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF : 11402566.2/24

Right Out: 35.499+/-0.007 χ^2/NDF : 6386655.0/32

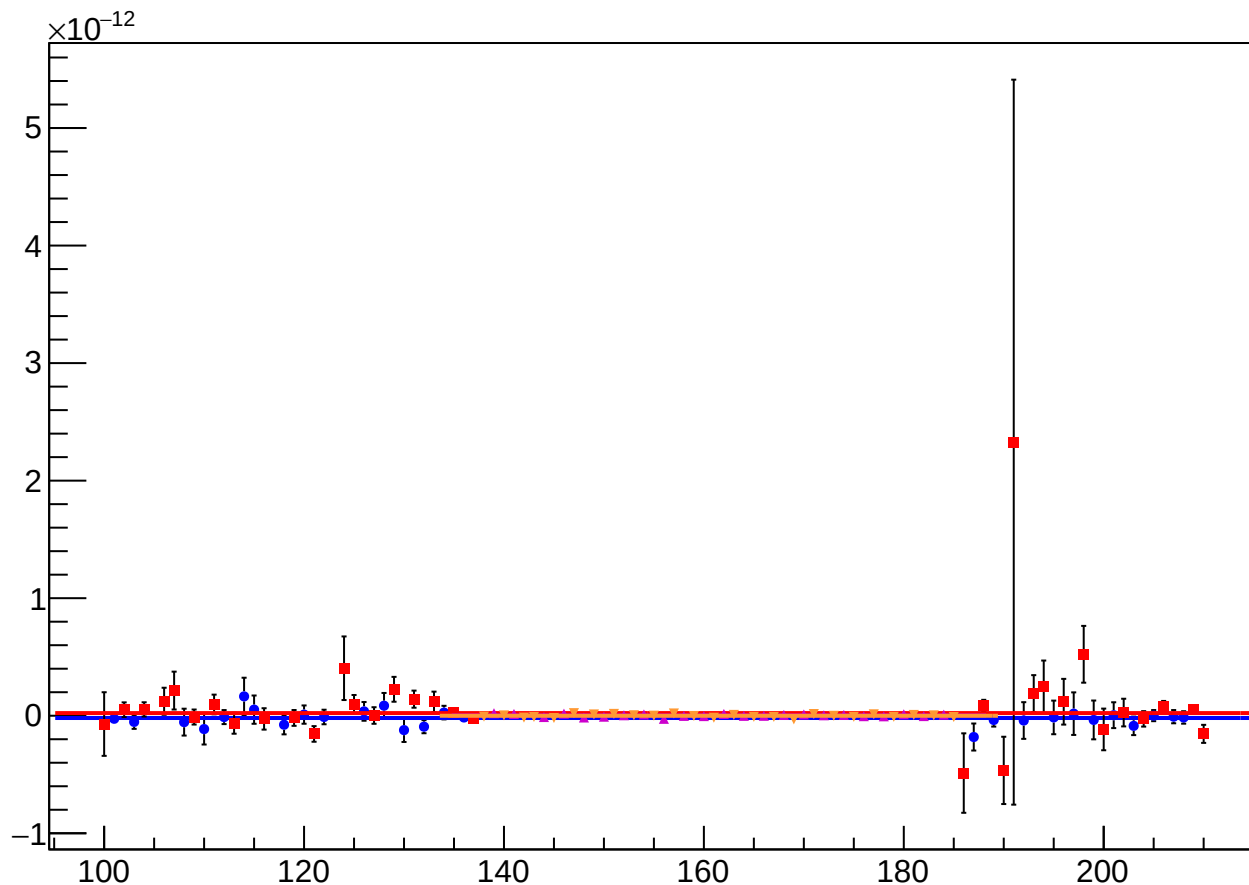
Left In: 33.595+/-0.007 χ^2/NDF : 10066196.6/22

+ sign 34.437+/-0.005 χ^2/NDF : 14963094.2/51

All: 34.485+/-0.004 χ^2/NDF : 31452273.1/107

- sign 34.532+/-0.005 χ^2/NDF : 16488999.5/55

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 11.5/26

Left Out: -0.000+/-0.000 χ^2/NDF : 26.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 50.1/32

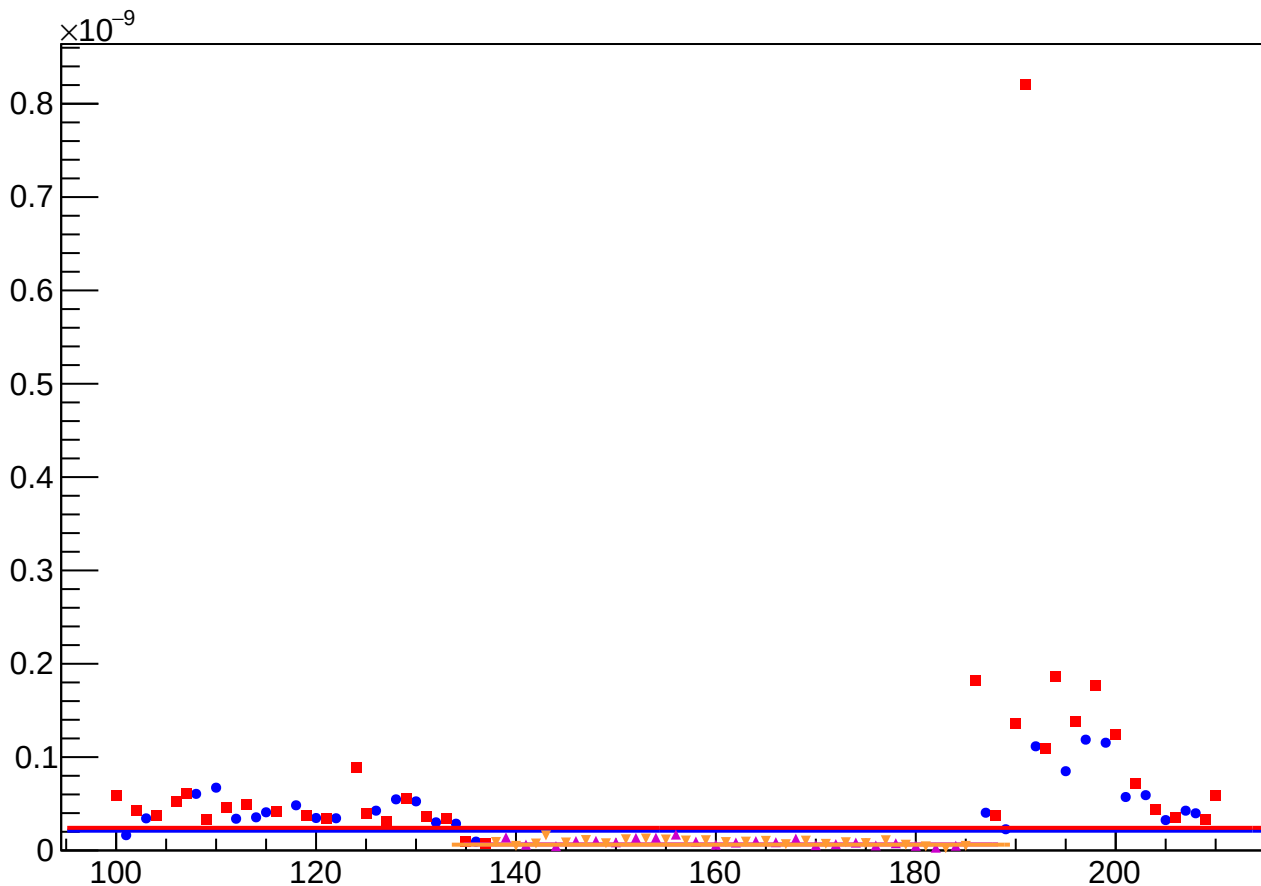
Left In: 0.000+/-0.000 χ^2/NDF : 20.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 41.8/51

All: 0.000+/-0.000 χ^2/NDF : 118.0/107

- sign 0.000+/-0.000 χ^2/NDF : 74.2/55

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7268739.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10116426.2/32

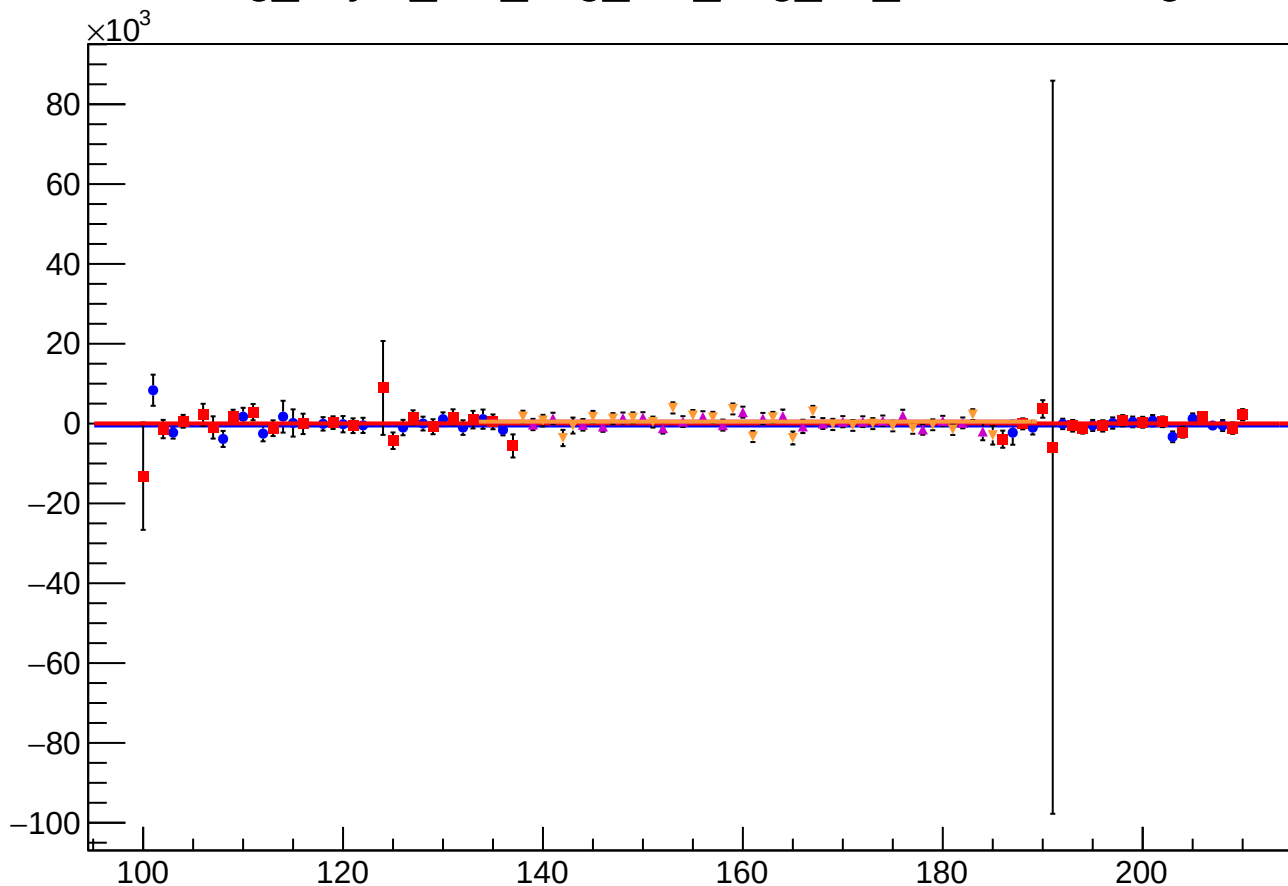
Left In: 0.000+/-0.000 χ^2/NDF : 3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 17504179.0/51

All: 0.000+/-0.000 χ^2/NDF : 37848022.1/107

- sign 0.000+/-0.000 χ^2/NDF : 20310834.9/55

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -478.949 ± 323.549 χ^2/NDF : 21.9/26

Left Out: 492.062 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 37.024 ± 308.298 χ^2/NDF : 31.1/32

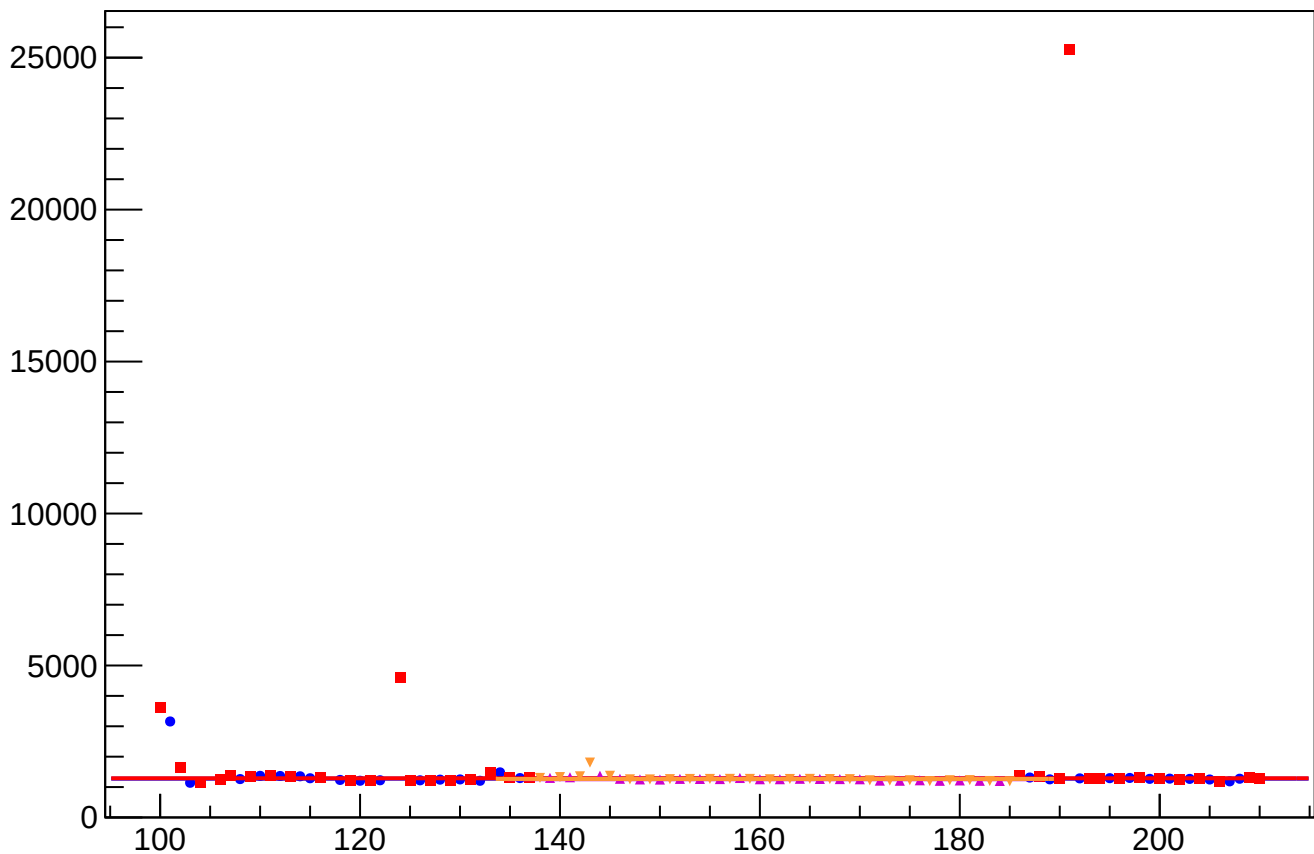
Left In: 486.821 ± 293.769 χ^2/NDF : 14.4/22

+ sign 61.988 ± 215.328 χ^2/NDF : 73.8/51

All: 168.685 ± 151.314 χ^2/NDF : 121.0/107

- sign 272.771 ± 212.677 χ^2/NDF : 46.7/55

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1276.212 $\pm$ 0.229 χ^2 /NDF: 528341.6/26

Left Out: 1266.967 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1288.715 $\pm$ 0.218 χ^2 /NDF: 482663.4/32

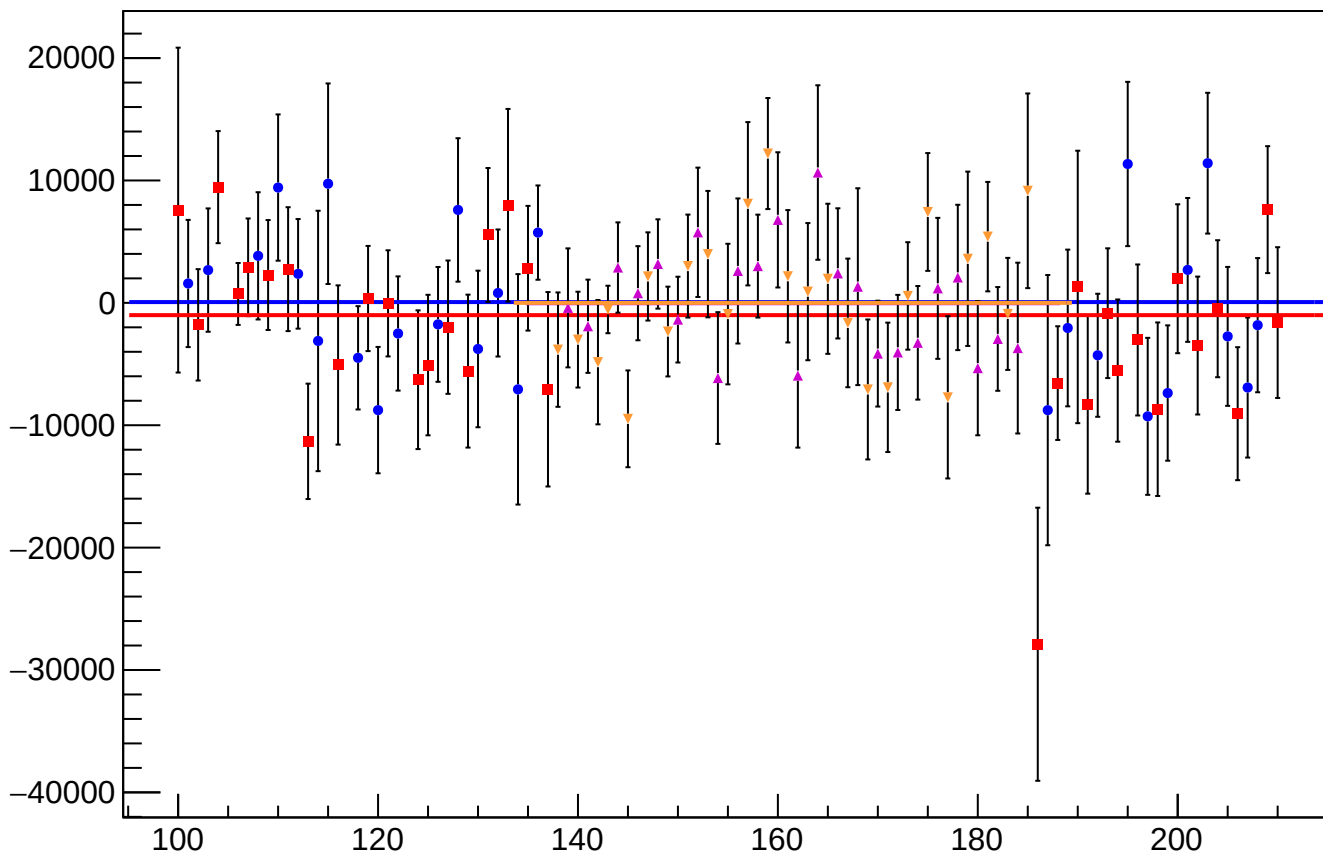
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.4/22

+ sign 1271.062 $\pm$ 0.152 χ^2 /NDF: 716796.8/51

All: 1271.739 $\pm$ 0.107 χ^2 /NDF: 1247038.1/10

- sign 1272.398 $\pm$ 0.150 χ^2 /NDF: 530202.3/55

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug



Right In: 63.227 $\pm$ 1069.204 χ^2 /NDF: 28.6/26

Left Out: -0.604 $\pm$ 886.488 χ^2 /NDF:29.1/24

Right Out: -1004.039 $\pm$ 916.512 χ^2 /NDF: 34.9/32

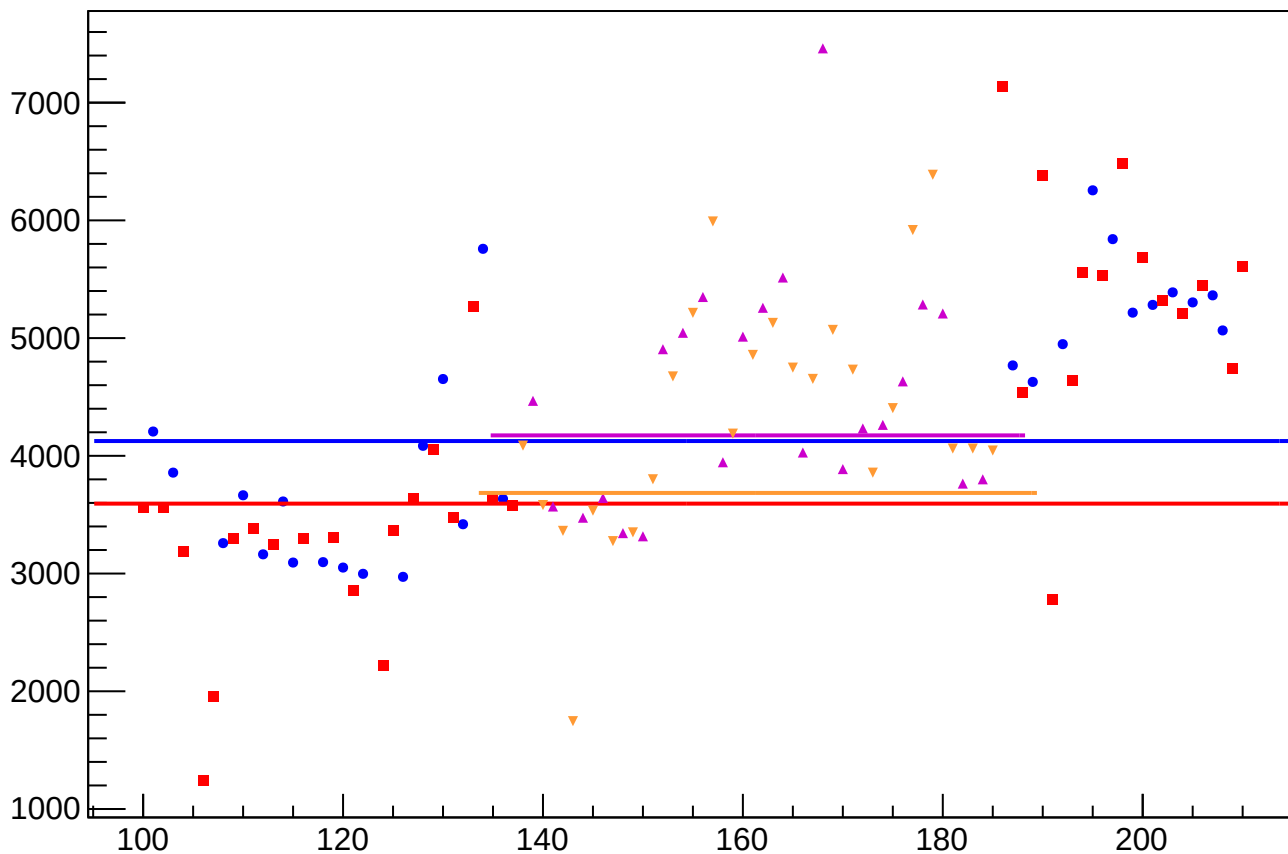
Left In: -31.593 $\pm$ 995.348 χ^2 /NDF:14.0/22

+ sign 25.399 $\pm$ 682.434 χ^2 /NDF: 57.6/51

All: -269.754 $\pm$ 479.624 χ^2 /NDF: 107.5/107

- sign -557.847 $\pm$ 674.222 χ^2 /NDF: 49.5/55

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug



Right In: 4125.558 $\pm$ 0.756 χ^2/NDF : 1696125.4/26

Left Out: 3684.769 $\pm$ 0.627 χ^2/NDF : 3693646.6/24

Right Out: 3593.907 $\pm$ 0.648 χ^2/NDF : 4807343.5/32

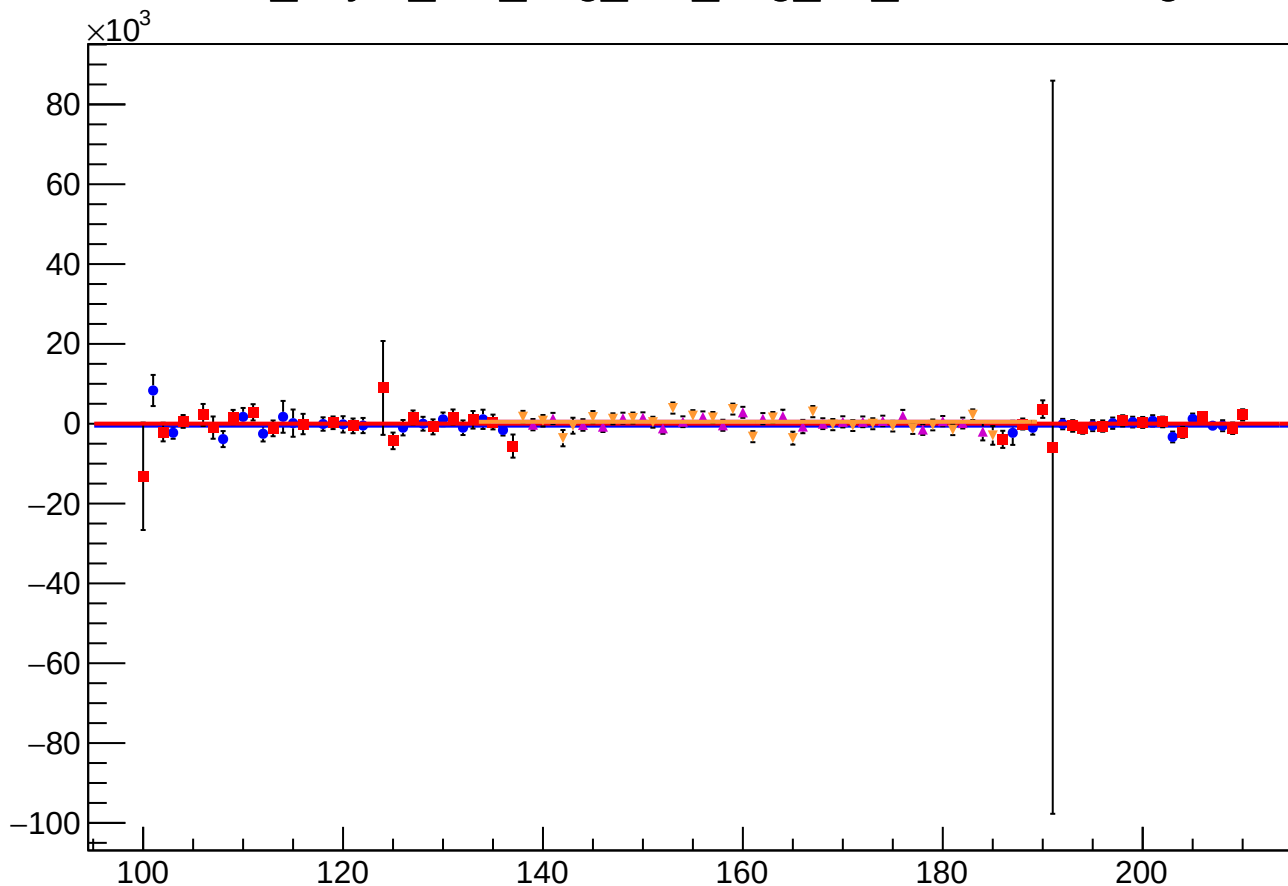
Left In: 4173.556 $\pm$ 0.704 χ^2/NDF : 1274968.4/22

+ sign 3864.338 $\pm$ 0.483 χ^2/NDF : 5591212.3/51

All: 3862.077 $\pm$ 0.339 χ^2/NDF : 12040630.8/100

- sign 3859.870 $\pm$ 0.477 χ^2/NDF : 6449375.1/55

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -479.091 ± 323.549 χ^2/NDF : 21.9/26

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 25.432 ± 308.380 χ^2/NDF : 31.6/32

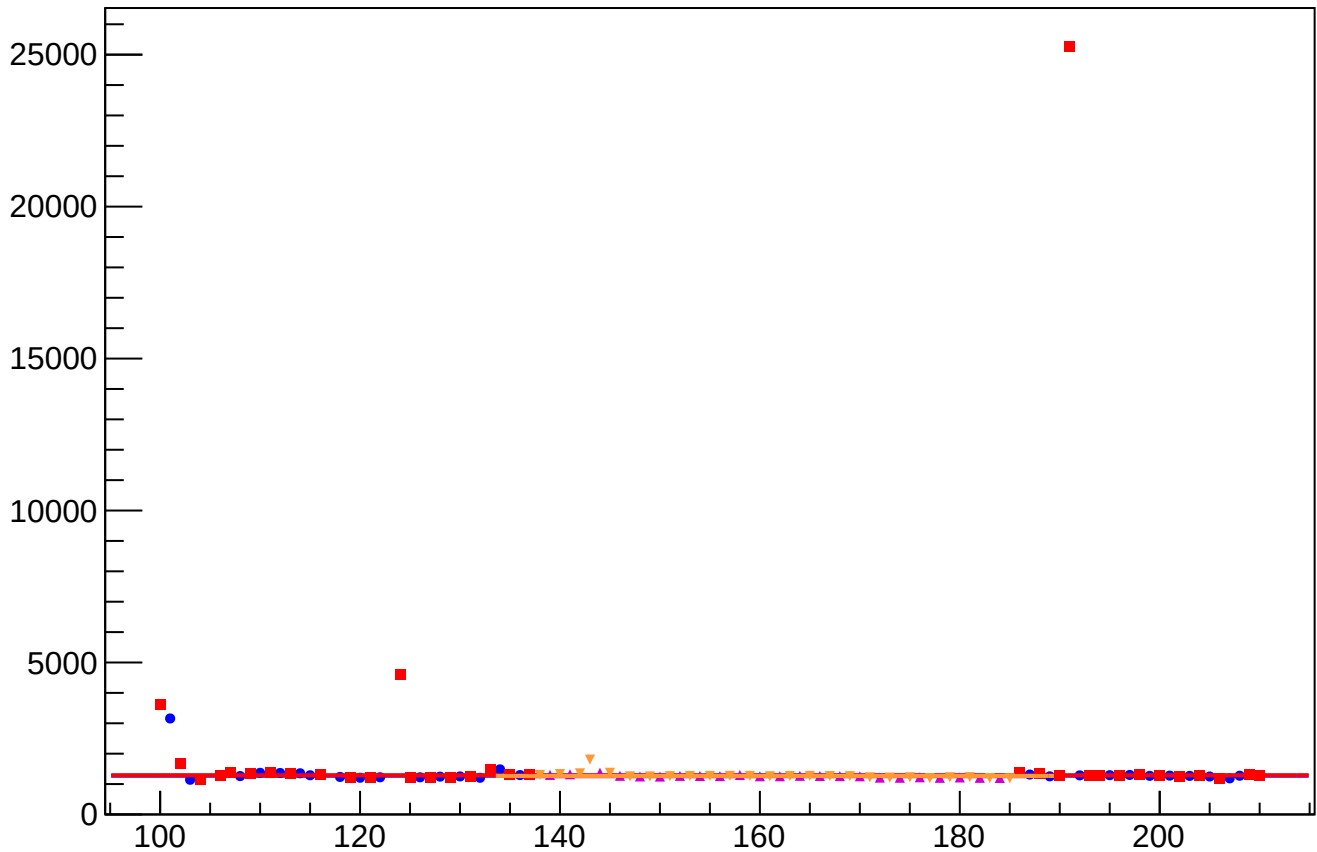
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 61.935 ± 215.328 χ^2/NDF : 73.8/51

All: 165.857 ± 151.323 χ^2/NDF : 121.4/107

- sign 267.263 ± 212.704 χ^2/NDF : 47.2/55

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1276.212 $\pm$ 0.229 χ^2 /NDF: 528343.0/26

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.515 $\pm$ 0.218 χ^2 /NDF: 489554.9/32

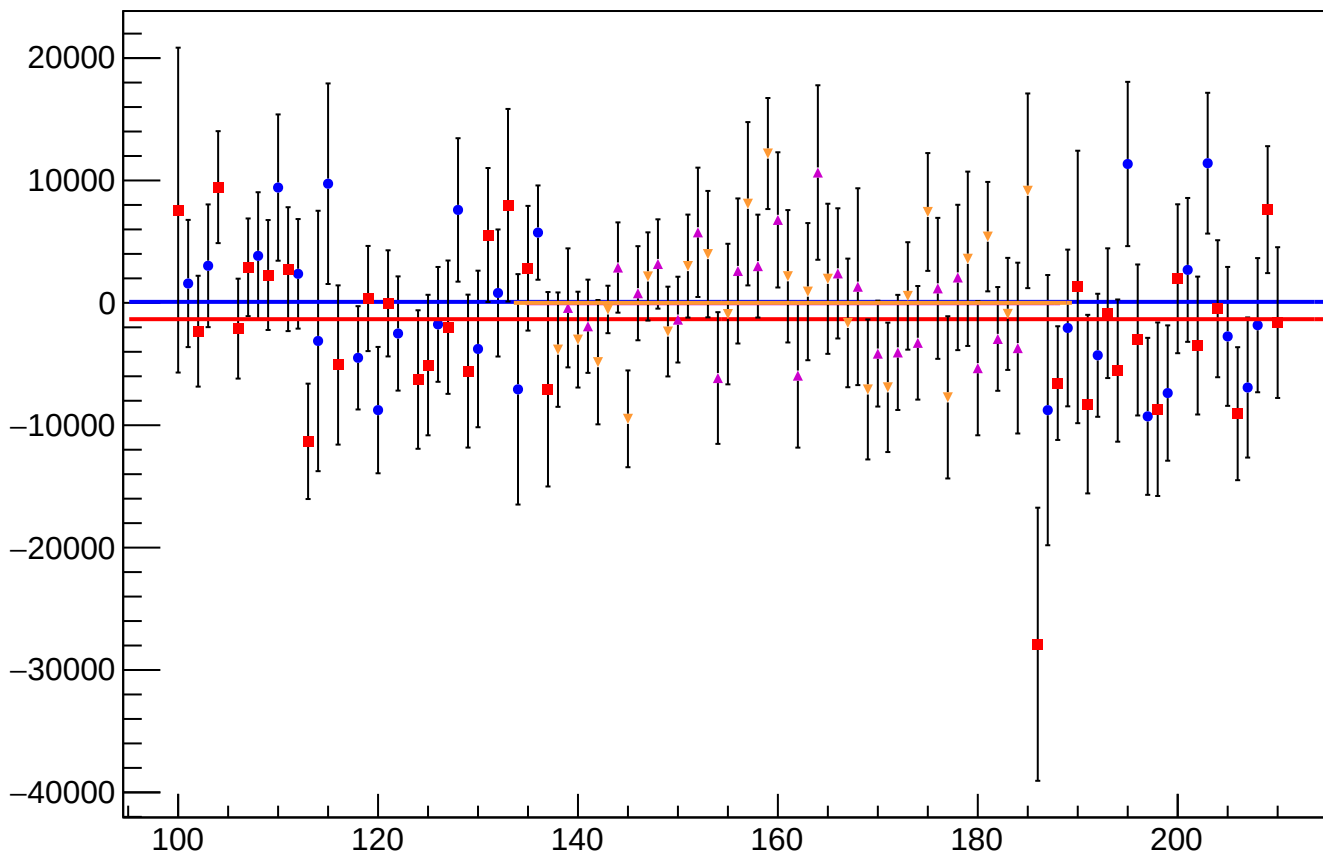
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1271.062 $\pm$ 0.152 χ^2 /NDF: 716798.2/51

All: 1271.927 $\pm$ 0.107 χ^2 /NDF: 1254506.5/10

- sign 1272.770 $\pm$ 0.150 χ^2 /NDF: 537644.6/55

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug



Right In: 80.325 $\pm$ 1068.965 χ^2 /NDF: 28.7/26

Left Out: -0.541 $\pm$ 886.487 χ^2 /NDF:29.1/24

Right Out: -1334.126 $\pm$ 955.729 χ^2 /NDF: 34.4/32

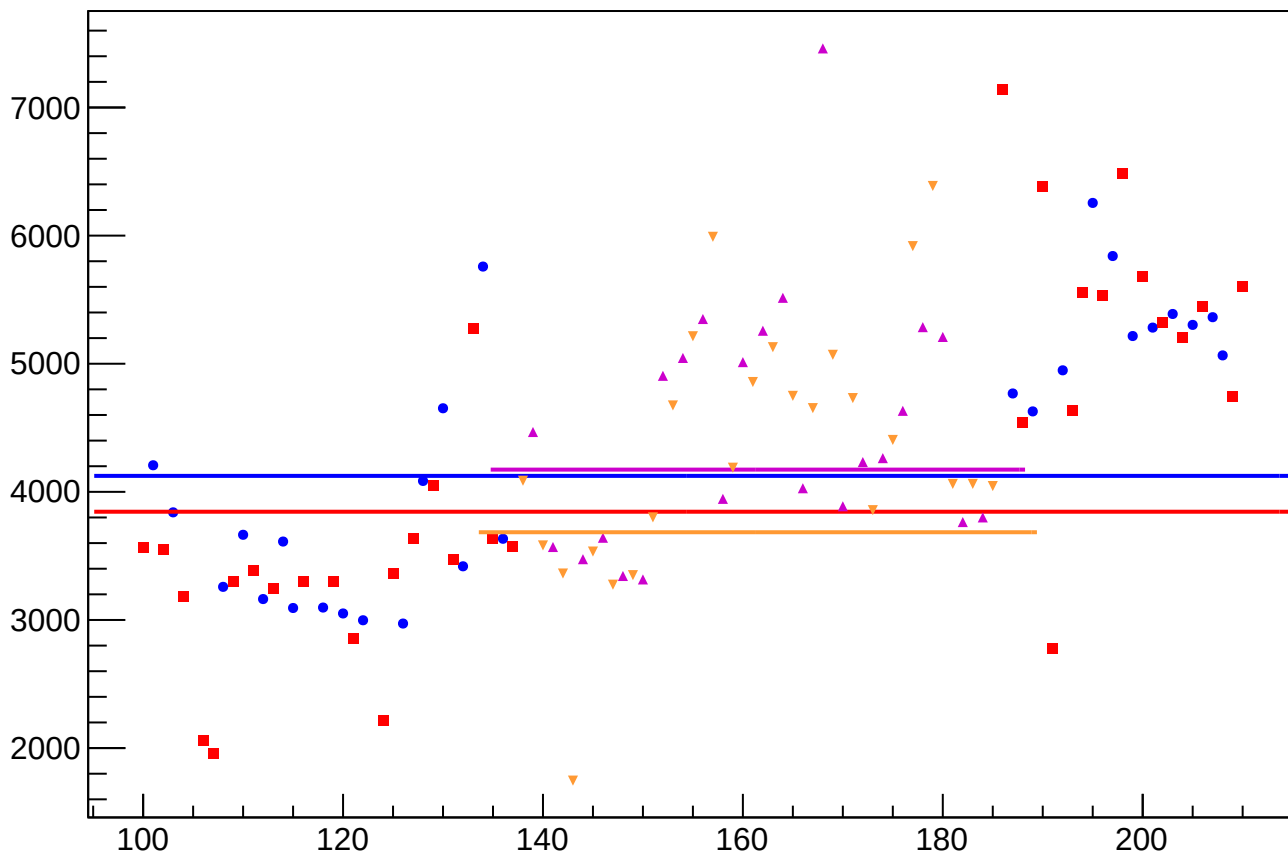
Left In: -31.597 $\pm$ 995.347 χ^2 /NDF:14.0/22

+ sign 32.411 $\pm$ 682.372 χ^2 /NDF: 57.7/51

All: -334.653 $\pm$ 484.970 χ^2 /NDF: 107.7/107

- sign -709.299 $\pm$ 689.383 χ^2 /NDF: 49.4/55

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 4124.687+/-0.756 χ^2/NDF : 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF : 3693687.2/24

Right Out: 3844.885+/-0.676 χ^2/NDF : 3222064.1/32

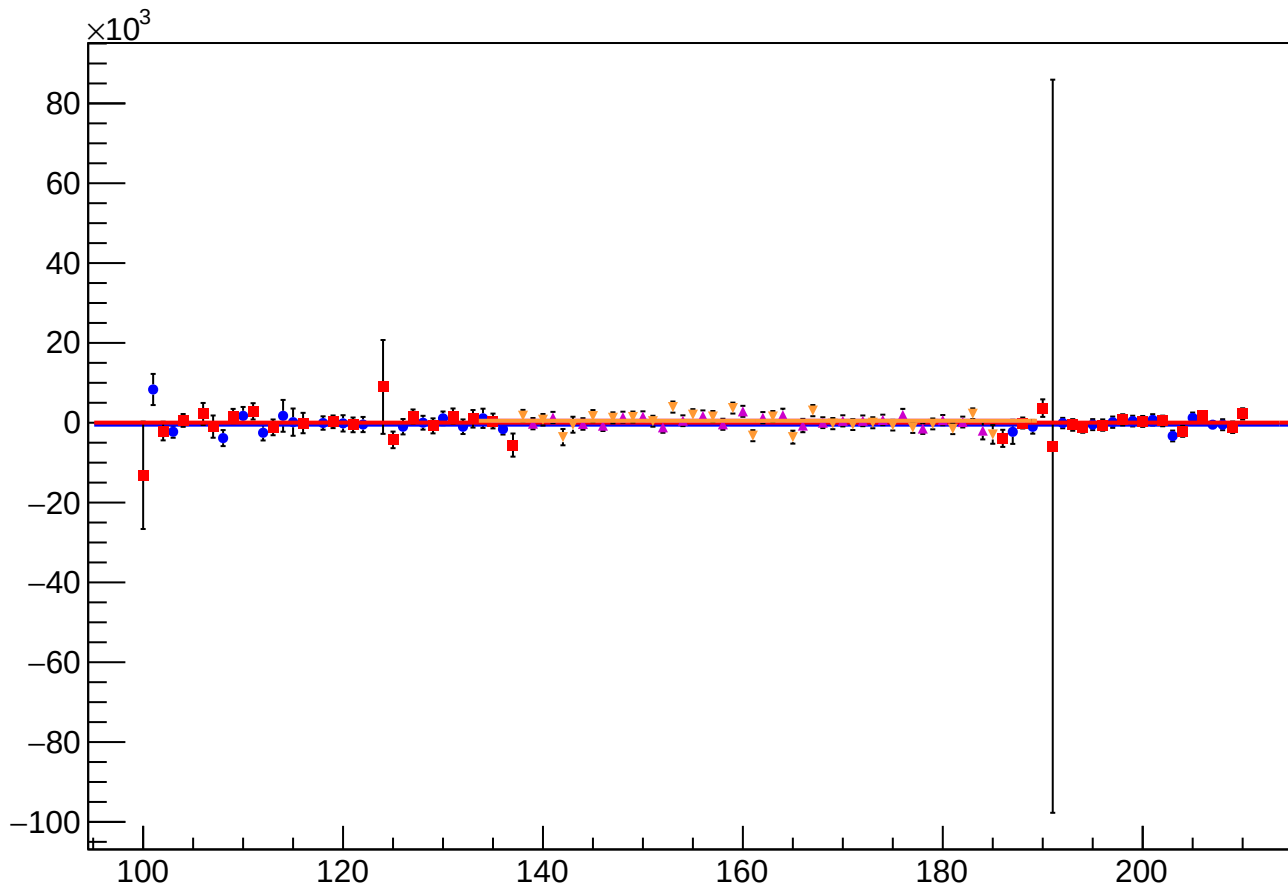
Left In: 4173.550+/-0.704 χ^2/NDF : 1274967.5/22

+ sign 3864.026+/-0.483 χ^2/NDF : 5591359.7/51

All: 3932.578+/-0.343 χ^2/NDF : 10242637.9/102

- sign 4002.546+/-0.487 χ^2/NDF : 4610491.0/55

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -479.091 ± 323.549 χ^2/NDF : 21.9/26

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 25.432 ± 308.380 χ^2/NDF : 31.6/32

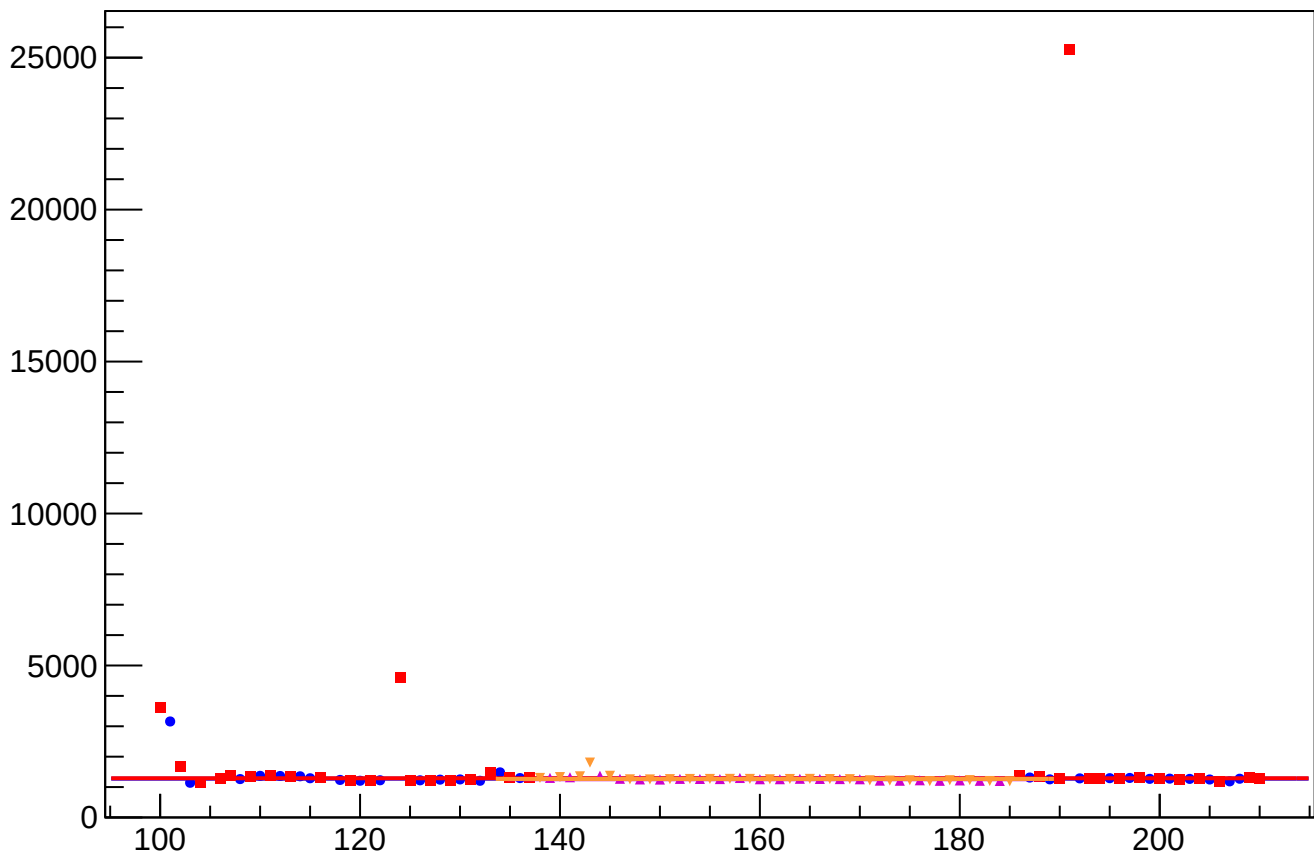
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 61.935 ± 215.328 χ^2/NDF : 73.8/51

All: 165.857 ± 151.323 χ^2/NDF : 121.4/107

- sign 267.263 ± 212.704 χ^2/NDF : 47.2/55

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1276.212 $\pm$ 0.229 χ^2 /NDF: 528343.0/26

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.515 $\pm$ 0.218 χ^2 /NDF: 489554.9/32

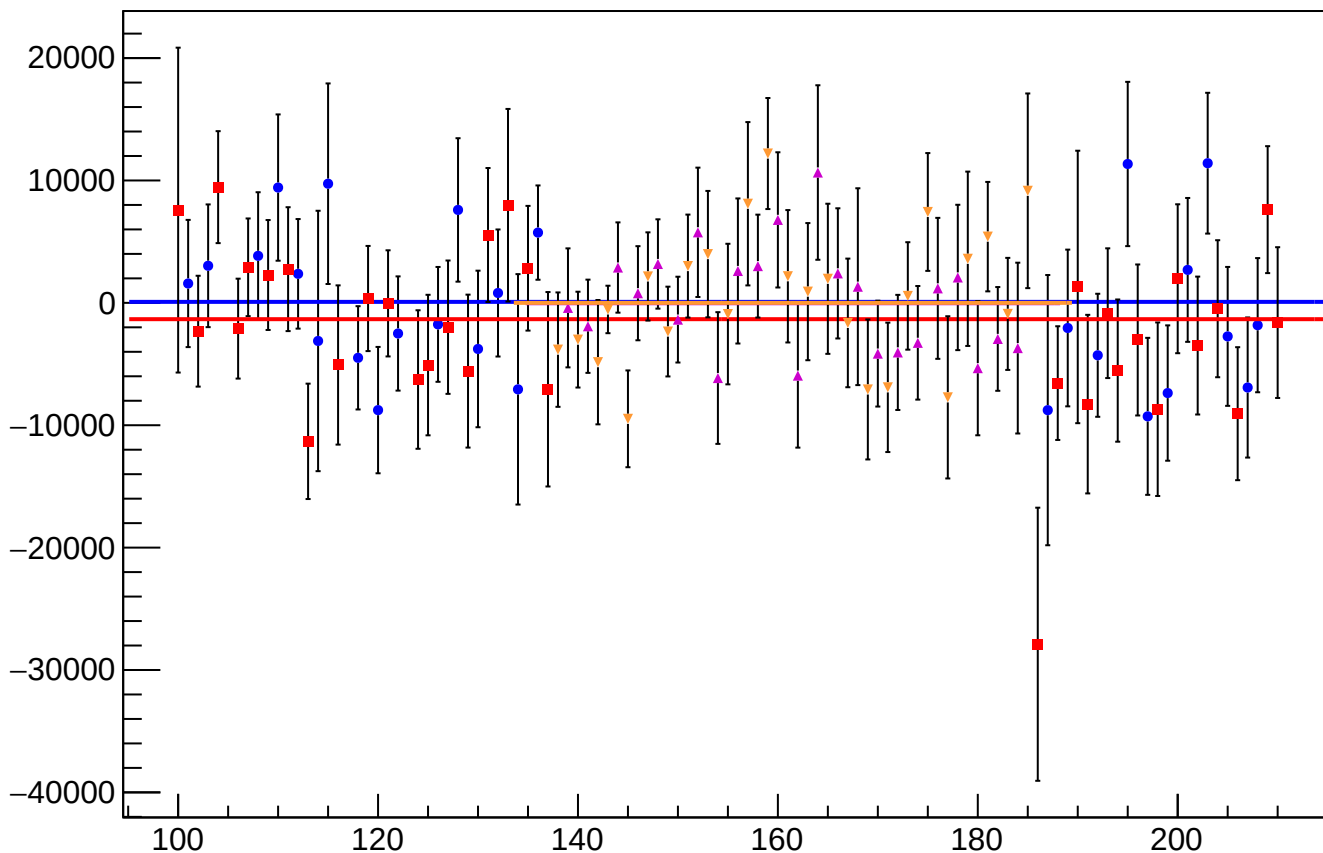
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1271.062 $\pm$ 0.152 χ^2 /NDF: 716798.2/51

All: 1271.927 $\pm$ 0.107 χ^2 /NDF: 1254506.5/10

- sign 1272.770 $\pm$ 0.150 χ^2 /NDF: 537644.6/55

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 80.325+/-1068.965 χ^2/NDF : 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF : 29.1/24

Right Out: -1334.126+/-955.729 χ^2/NDF : 34.4/32

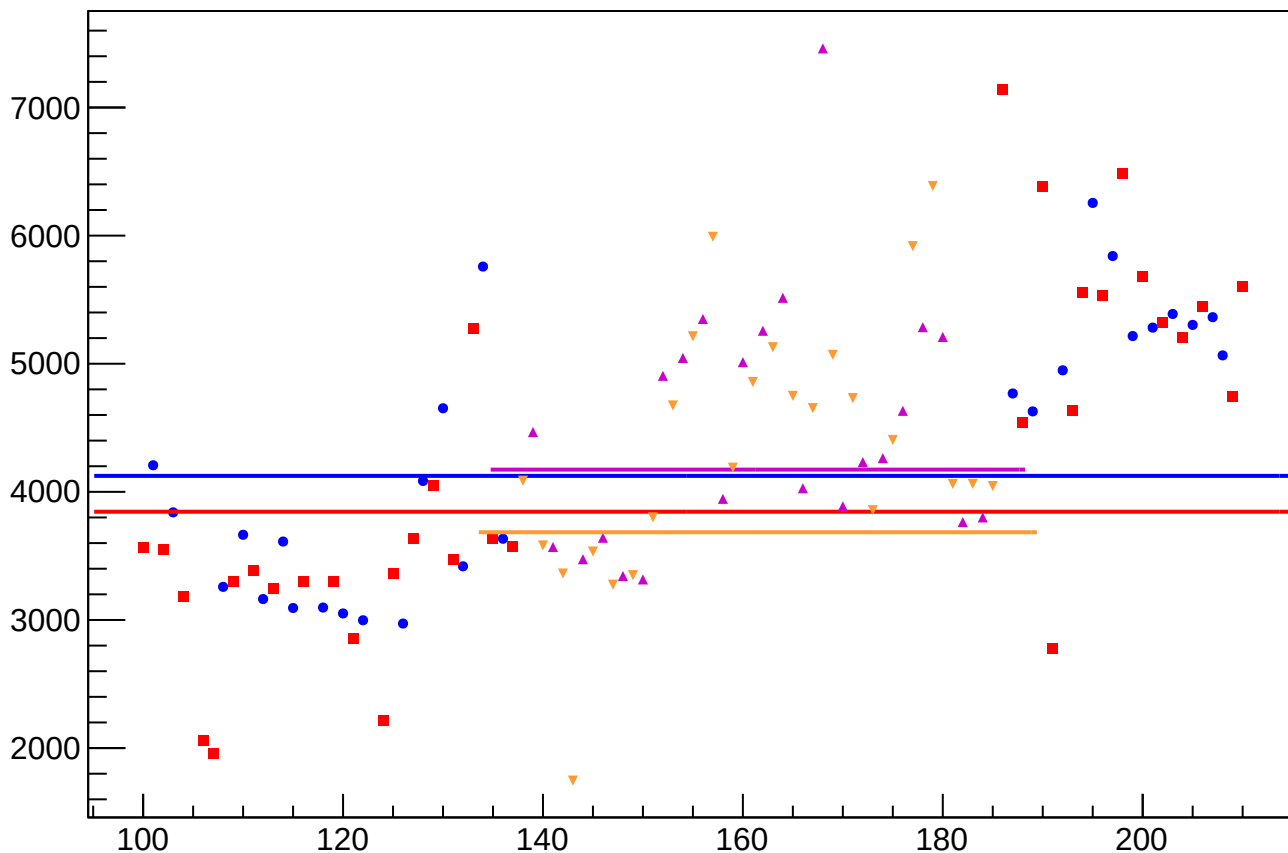
Left In: -31.597+/-995.347 χ^2/NDF : 14.0/22

+ sign 32.411+/-682.372 χ^2/NDF : 57.7/51

All: -334.653+/-484.970 χ^2/NDF : 107.7/107

- sign -709.299+/-689.383 χ^2/NDF : 49.4/55

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 4124.687 $\pm$ 0.756 χ^2/NDF : 1696967.8/26

Left Out: 3684.762 $\pm$ 0.627 χ^2/NDF : 3693687.2/24

Right Out: 3844.885 $\pm$ 0.676 χ^2/NDF : 3222064.1/32

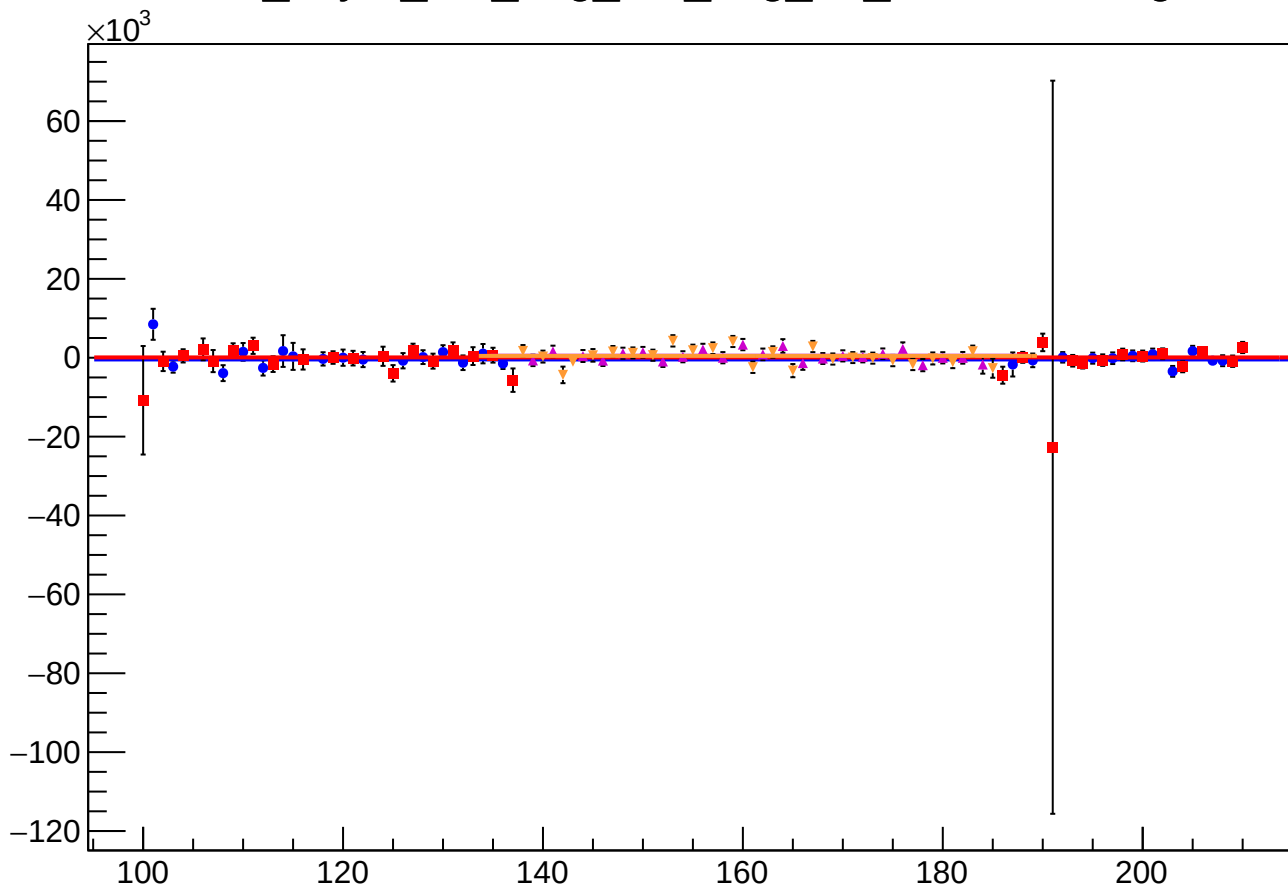
Left In: 4173.550 $\pm$ 0.704 χ^2/NDF : 1274967.5/22

+ sign 3864.026 $\pm$ 0.483 χ^2/NDF : 5591359.7/51

All: 3932.578 $\pm$ 0.343 χ^2/NDF : 10242637.9/100

- sign 4002.546 $\pm$ 0.487 χ^2/NDF : 4610491.0/55

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -436.980 ± 328.073 χ^2/NDF : 23.3/26

Left Out: 467.929 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 78.986 ± 310.702 χ^2/NDF : 32.7/32

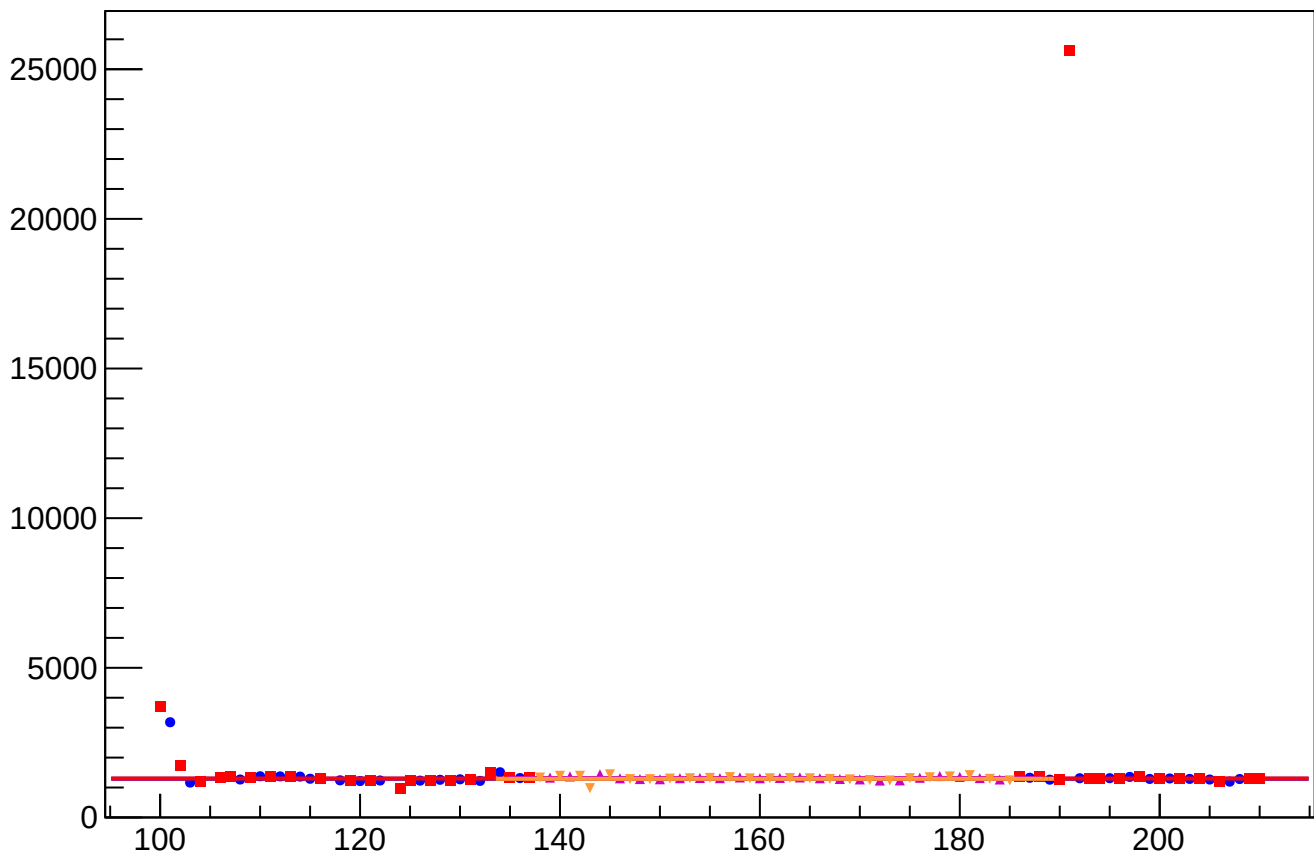
Left In: 503.558 ± 307.055 χ^2/NDF : 17.4/22

+ sign 64.500 ± 219.054 χ^2/NDF : 71.6/51

All: 179.483 ± 154.662 χ^2/NDF : 123.2/107

- sign 293.778 ± 218.399 χ^2/NDF : 51.0/55

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF : 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF : 230735.1/24

Right Out: 1300.541+/-0.220 χ^2/NDF : 378271.1/32

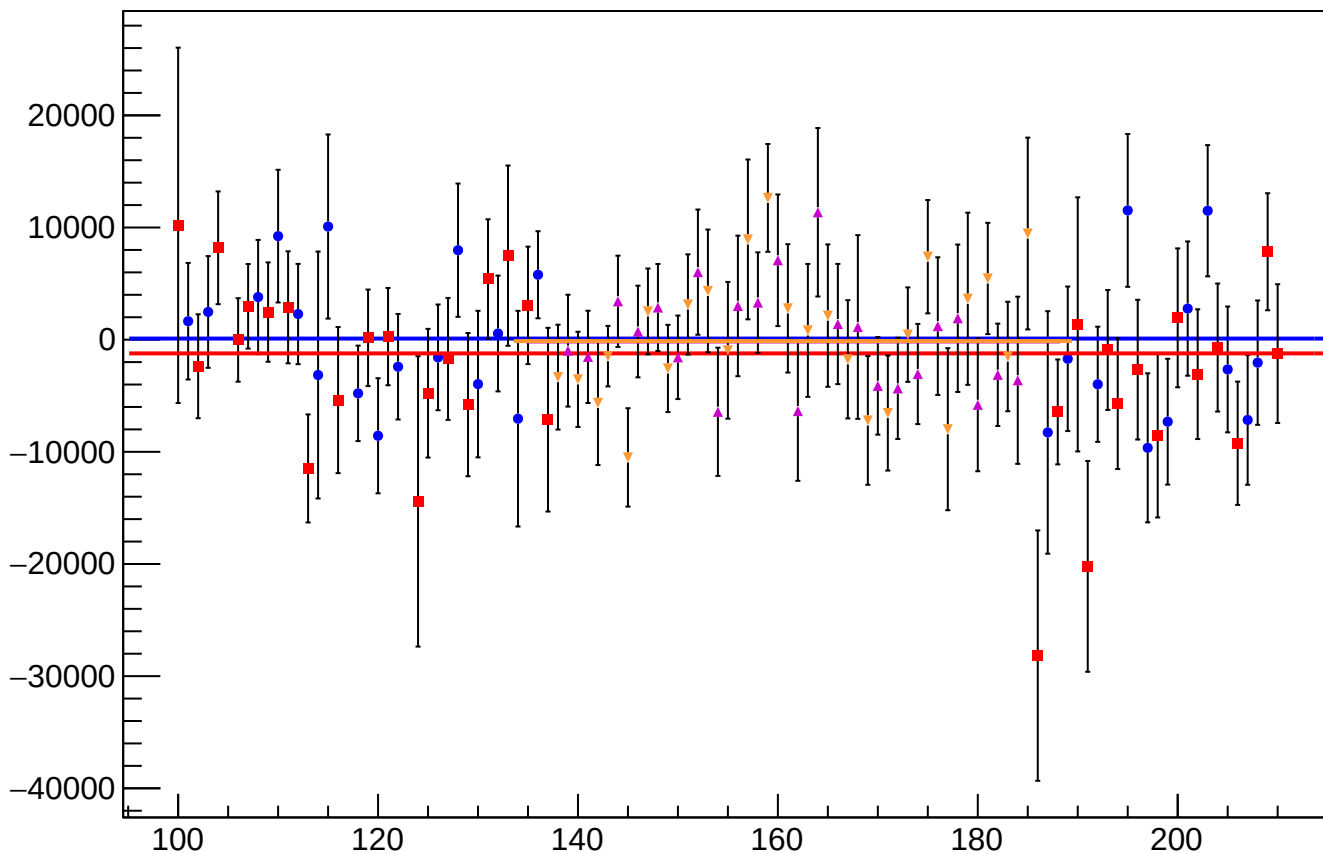
Left In: 1314.006+/-0.217 χ^2/NDF : 43044.7/22

+ sign 1292.414+/-0.155 χ^2/NDF : 759741.3/51

All: 1299.906+/-0.109 χ^2/NDF : 1187622.0/10

- sign 1307.351+/-0.154 χ^2/NDF : 423216.7/55

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug



Right In: 98.258+/-1074.950 χ^2/NDF : 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF : 28.6/24

Right Out: -1222.828+/-971.813 χ^2/NDF : 36.2/32

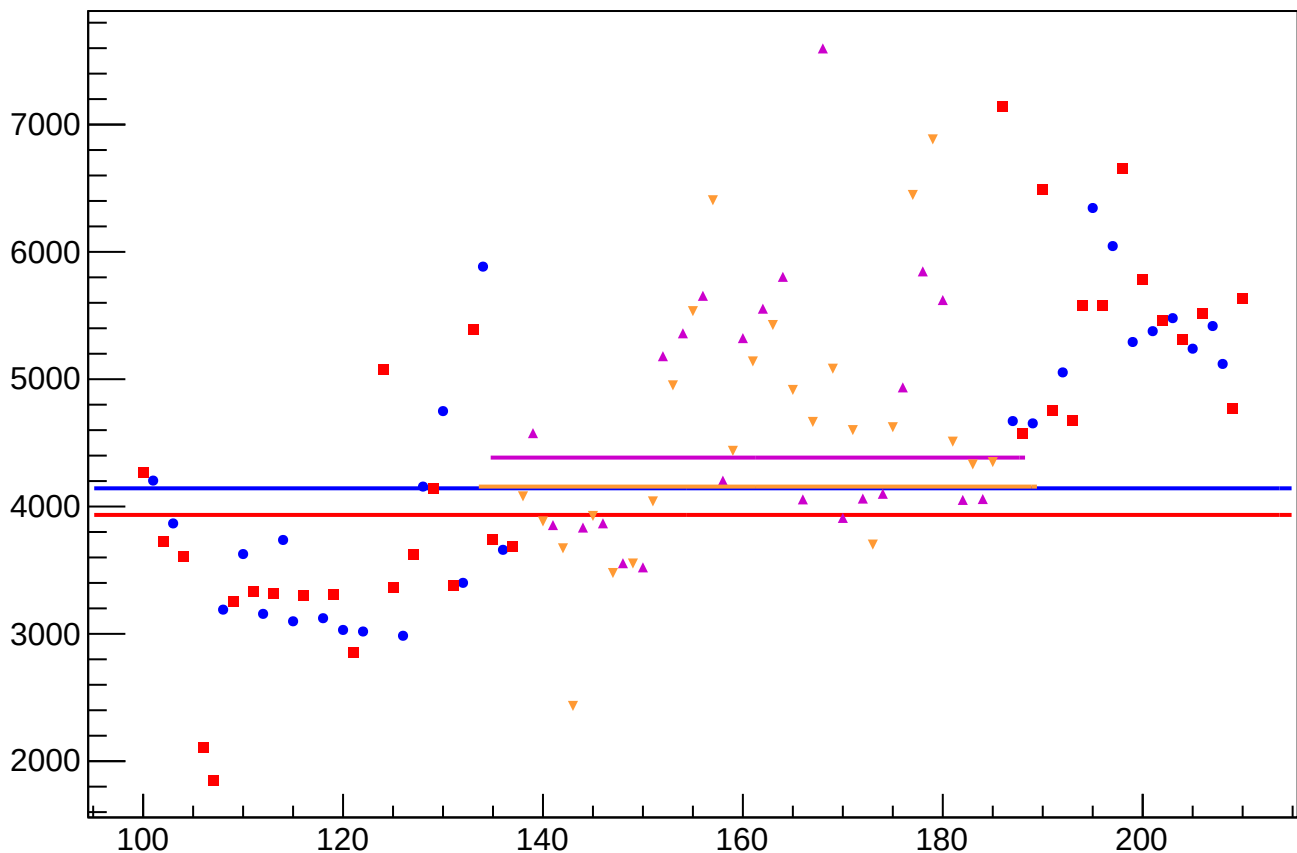
Left In: -159.452+/-1045.510 χ^2/NDF : 13.8/22

+ sign -25.222+/-723.091 χ^2/NDF : 57.0/51

All: -383.122+/-507.265 χ^2/NDF : 108.1/107

- sign -729.936+/-711.804 χ^2/NDF : 50.5/55

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 4143.082+/-0.760 χ^2/NDF : 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF : 2080766.1/24

Right Out: 3934.090+/-0.687 χ^2/NDF : 3271126.2/32

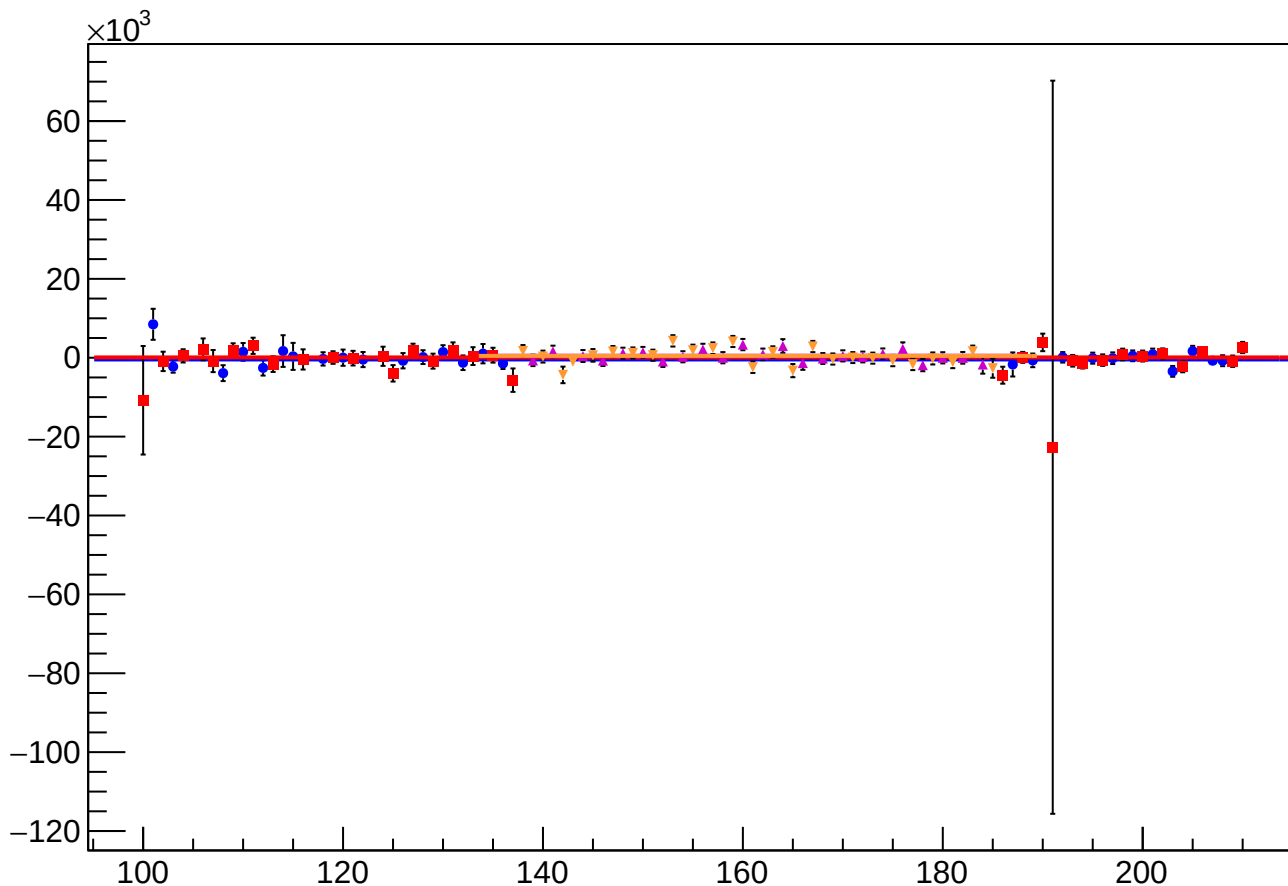
Left In: 4384.323+/-0.739 χ^2/NDF : 1255470.8/22

+ sign 4150.473+/-0.511 χ^2/NDF : 3866181.9/51

All: 4146.566+/-0.359 χ^2/NDF : 8591871.7/10

- sign 4142.780+/-0.503 χ^2/NDF : 4725574.8/55

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -436.981 $\pm$ 328.073 χ^2 /NDF: 23.3/26

Left Out: 467.933 $\pm$ 294.257 χ^2 /NDF: 44.1/24

Right Out: 78.987 $\pm$ 310.702 χ^2 /NDF: 32.7/32

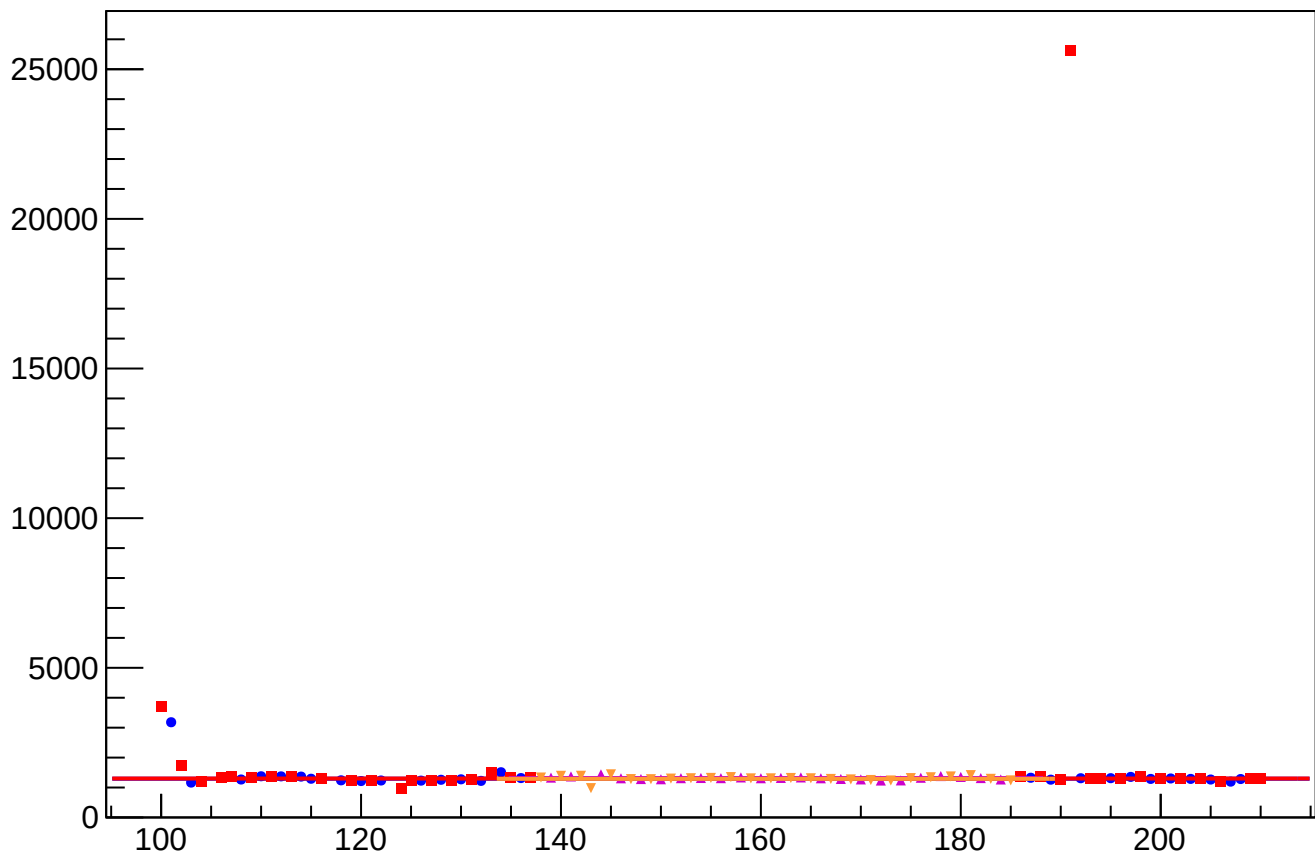
Left In: 503.558 $\pm$ 307.056 χ^2 /NDF: 17.4/22

+ sign 64.501 $\pm$ 219.054 χ^2 /NDF: 71.6/51

All: 179.483 $\pm$ 154.663 χ^2 /NDF: 123.2/107

- sign 293.779 $\pm$ 218.399 χ^2 /NDF: 51.0/55

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF : 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF : 230737.6/24

Right Out: 1300.541+/-0.220 χ^2/NDF : 378271.2/32

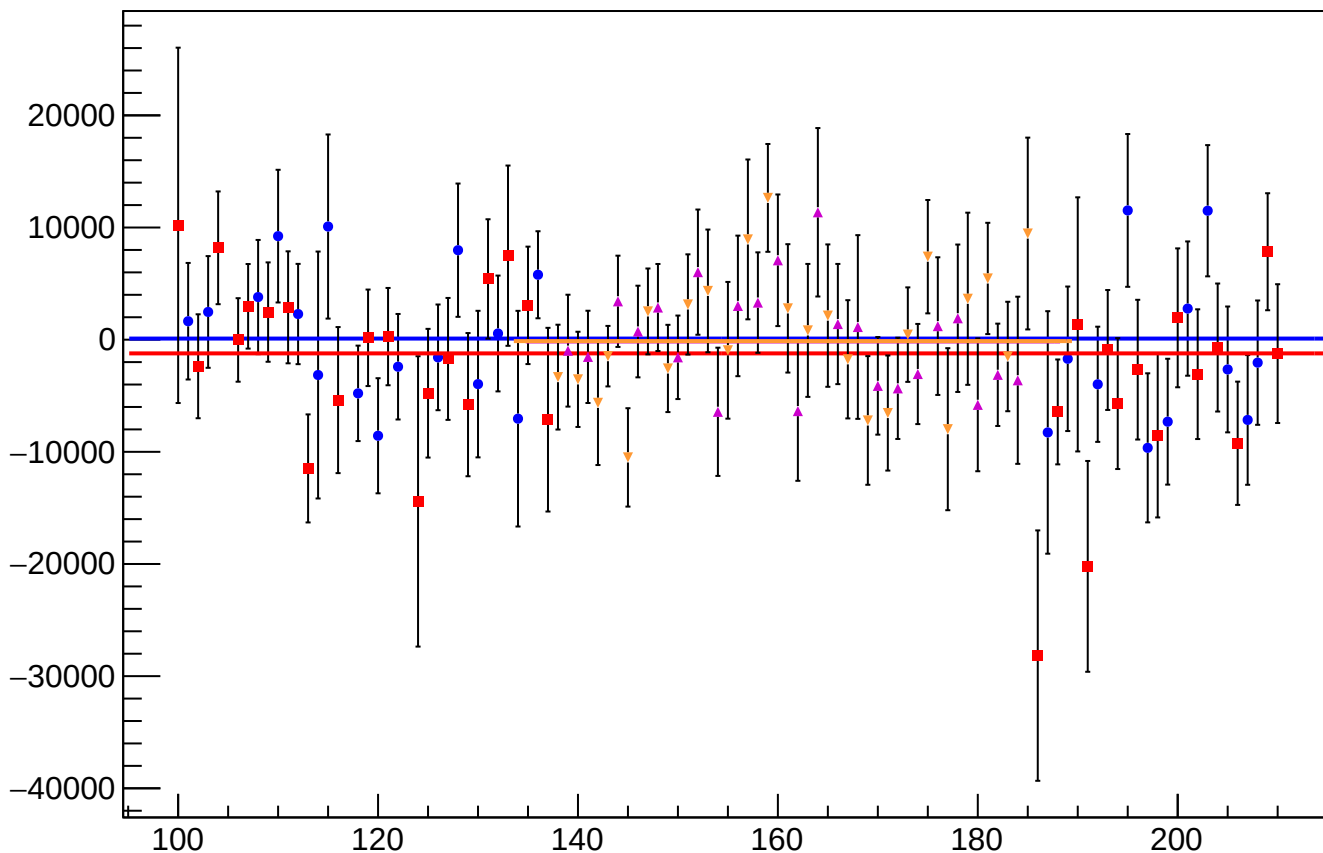
Left In: 1314.007+/-0.217 χ^2/NDF : 43046.8/22

+ sign 1292.415+/-0.155 χ^2/NDF : 759743.7/51

All: 1299.907+/-0.109 χ^2/NDF : 1187627.1/10

- sign 1307.351+/-0.154 χ^2/NDF : 423219.3/55

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 98.254+/-1074.949 χ^2/NDF : 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF : 28.6/24

Right Out: -1222.822+/-971.812 χ^2/NDF : 36.2/32

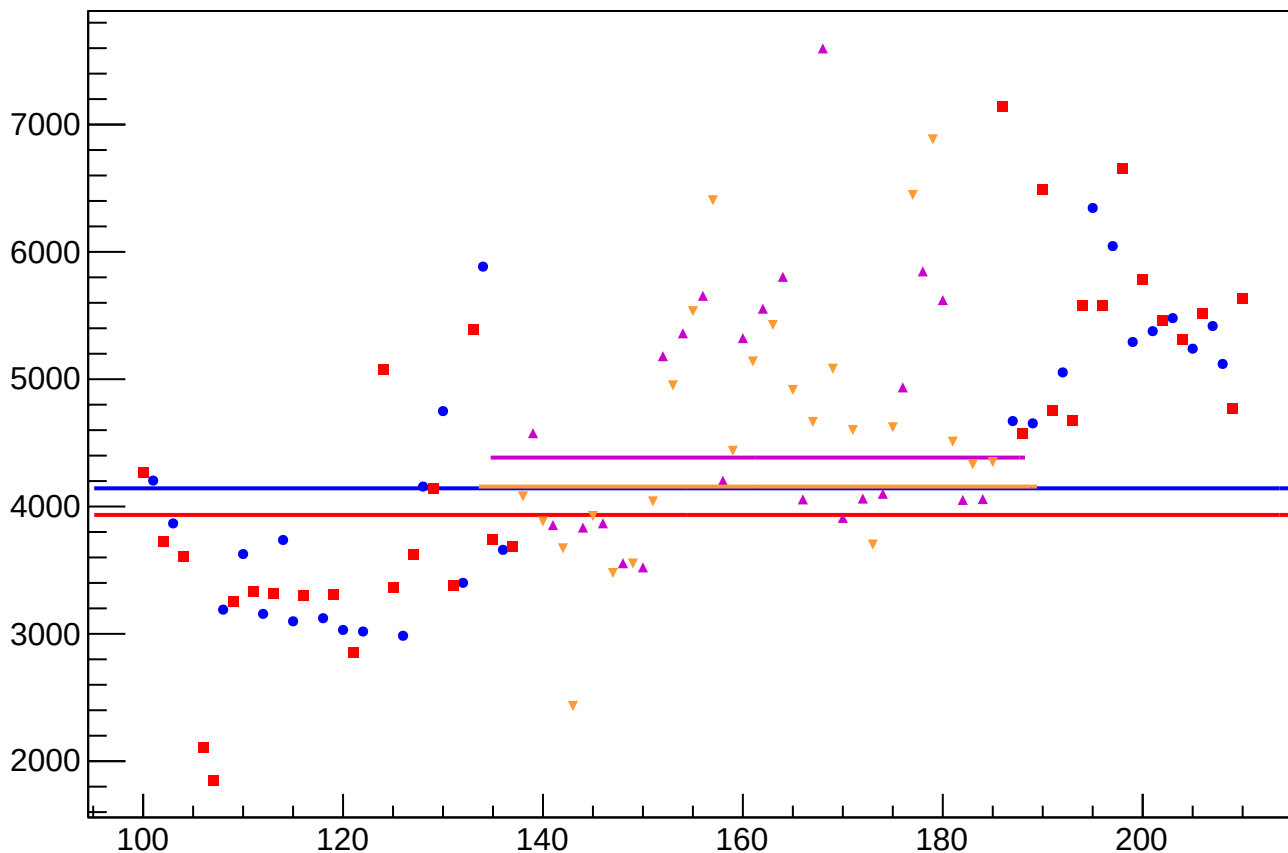
Left In: -159.454+/-1045.511 χ^2/NDF : 13.8/22

+ sign -25.223+/-723.091 χ^2/NDF : 57.0/51

All: -383.121+/-507.265 χ^2/NDF : 108.1/107

- sign -729.934+/-711.805 χ^2/NDF : 50.5/55

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 4143.076+/-0.760 χ^2/NDF : 1785274.0/26

Left Out: 4156.588+/-0.691 χ^2/NDF : 2080769.0/24

Right Out: 3934.084+/-0.687 χ^2/NDF : 3271158.9/32

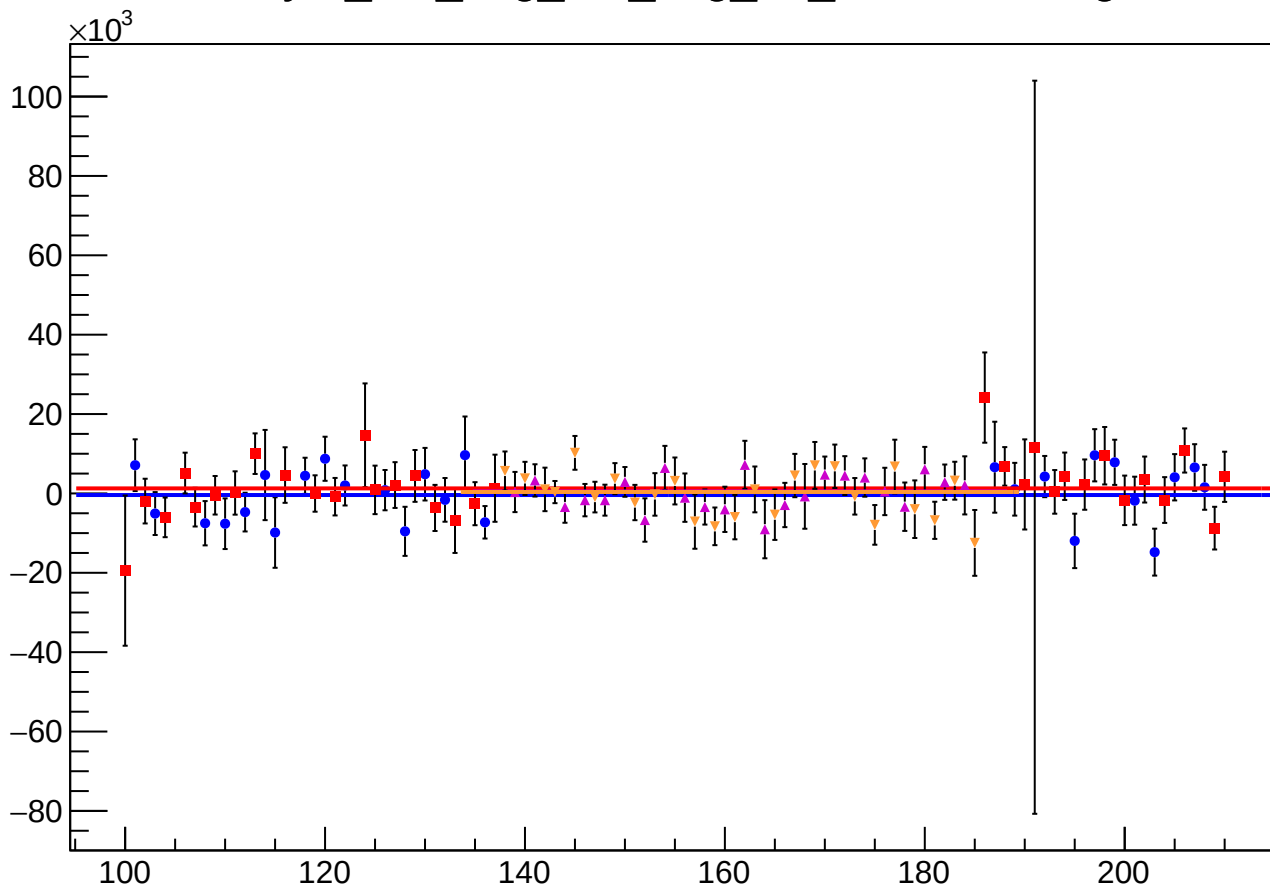
Left In: 4384.329+/-0.739 χ^2/NDF : 1255475.0/22

+ sign 4150.474+/-0.511 χ^2/NDF : 3866216.0/51

All: 4146.566+/-0.359 χ^2/NDF : 8591953.8/10

- sign 4142.780+/-0.503 χ^2/NDF : 4725622.8/55

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -403.476 ± 1135.087 χ^2/NDF : 34.5/26

Left Out: 362.528 ± 979.860 χ^2/NDF : 27.7/24

Right Out: 1265.657 ± 1053.627 χ^2/NDF : 26.5/32

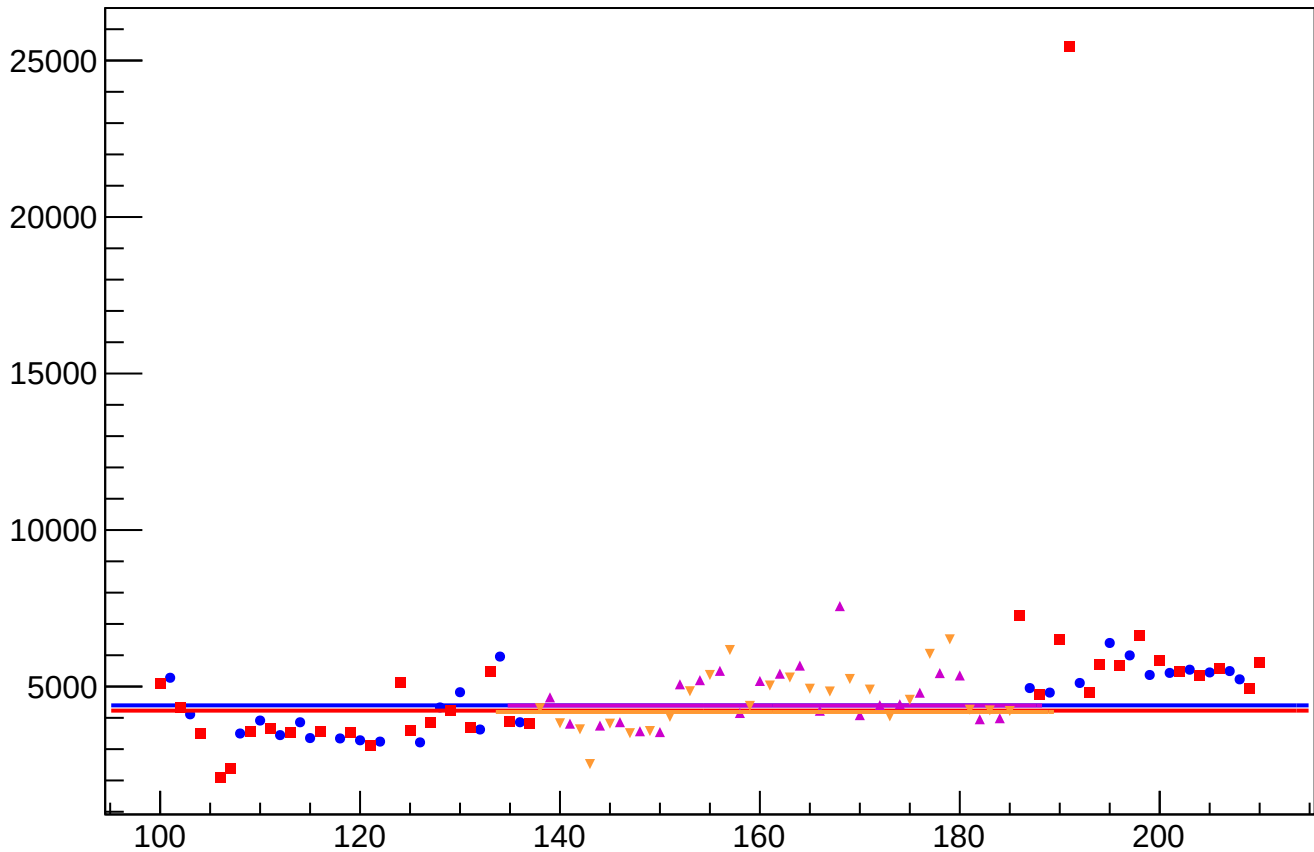
Left In: 497.522 ± 1044.707 χ^2/NDF : 13.9/22

+ sign 35.446 ± 741.724 χ^2/NDF : 62.5/51

All: 456.811 ± 524.524 χ^2/NDF : 103.8/107

- sign 878.324 ± 741.853 χ^2/NDF : 40.7/55

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4398.565+/-0.803 χ^2/NDF : 1456003.4/26

Left Out: 4187.848+/-0.693 χ^2/NDF : 1796345.9/24

Right Out: 4230.980+/-0.739 χ^2/NDF : 2610927.4/32

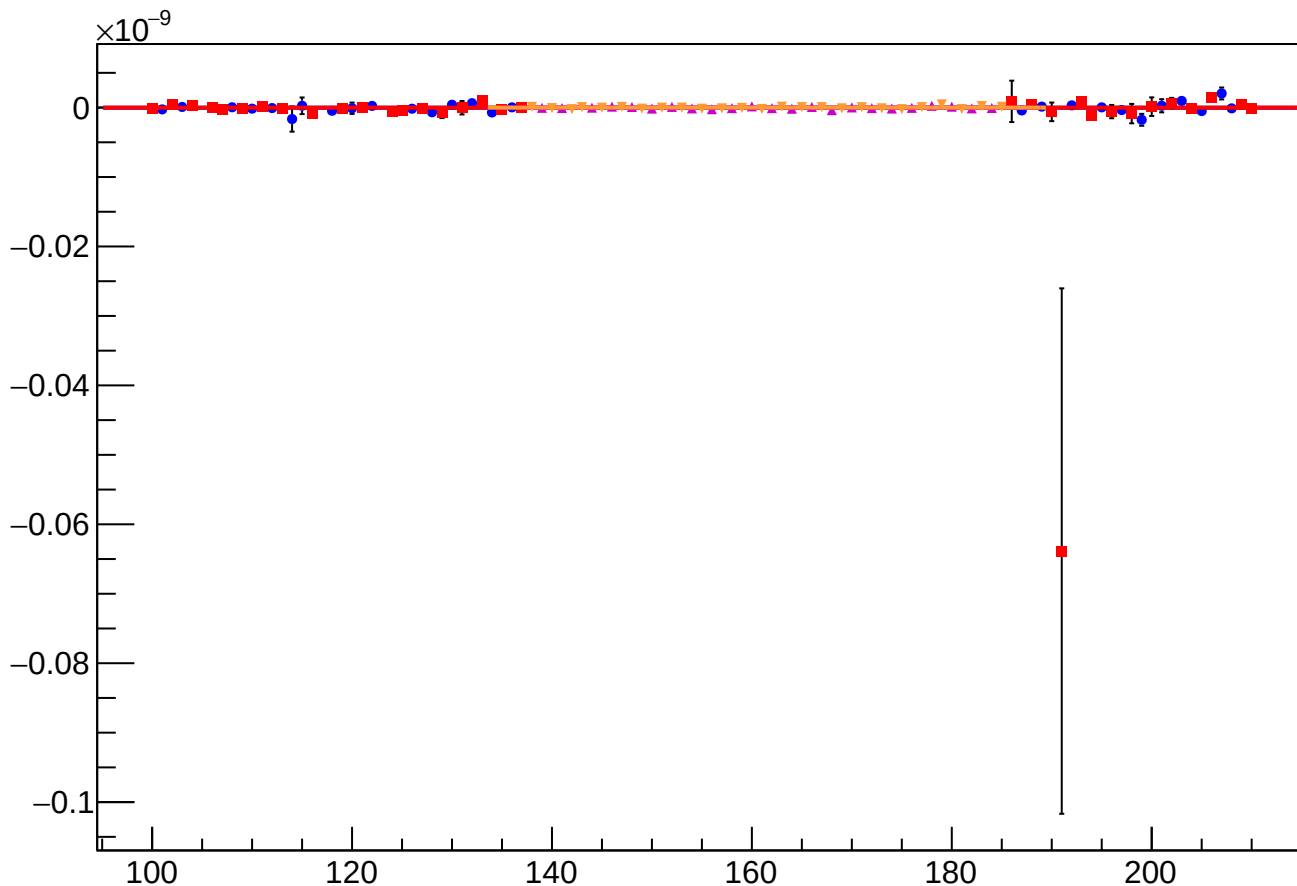
Left In: 4394.324+/-0.739 χ^2/NDF : 1088394.9/22

+ sign 4277.825+/-0.524 χ^2/NDF : 3291843.3/51

All: 4295.306+/-0.370 χ^2/NDF : 7017827.0/10

- sign 4312.646+/-0.522 χ^2/NDF : 3723770.7/55

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF : 30.5/24

Right Out: -0.000+/-0.000 χ^2/NDF : 34.0/32

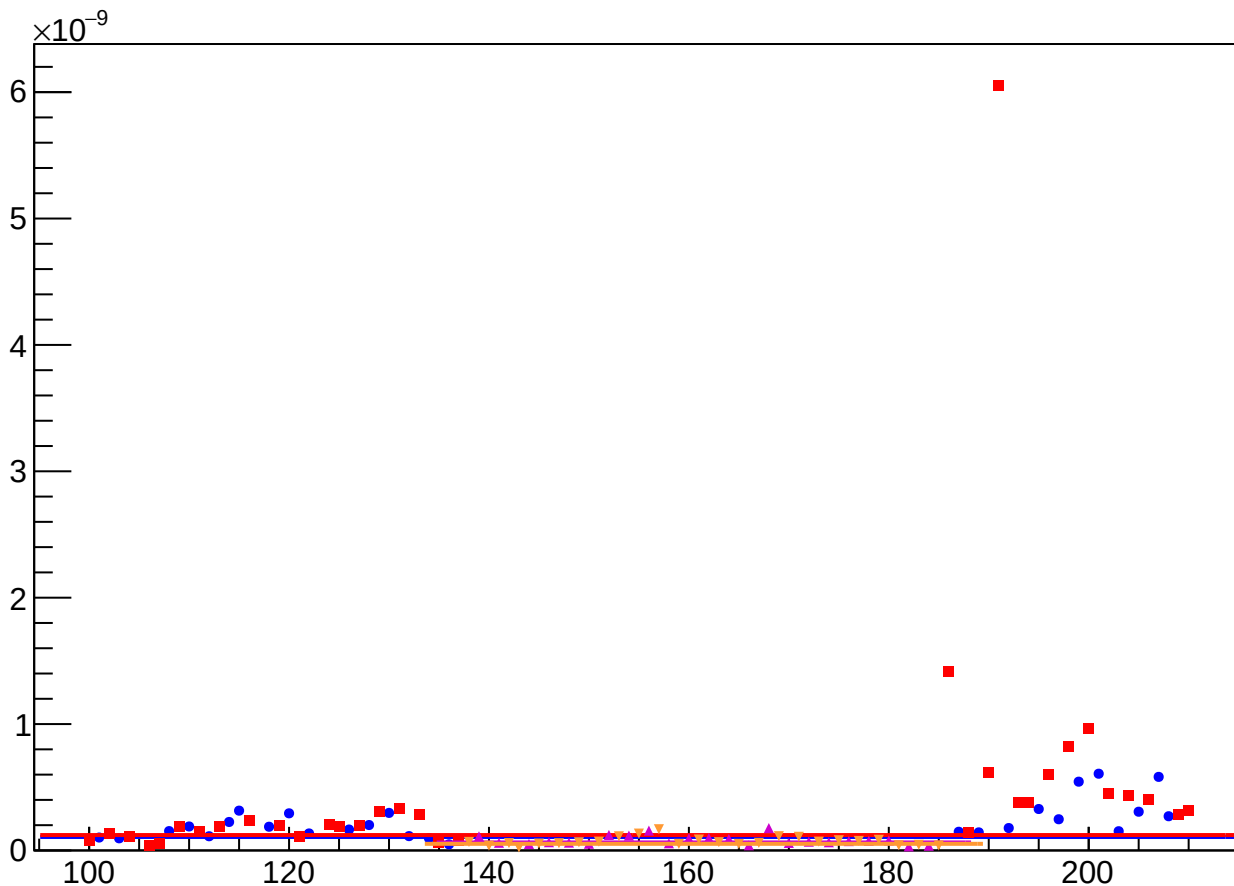
Left In: -0.000+/-0.000 χ^2/NDF : 17.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 64.9/51

All: -0.000+/-0.000 χ^2/NDF : 116.1/107

- sign -0.000+/-0.000 χ^2/NDF : 51.0/55

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4277731.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6903744.1/32

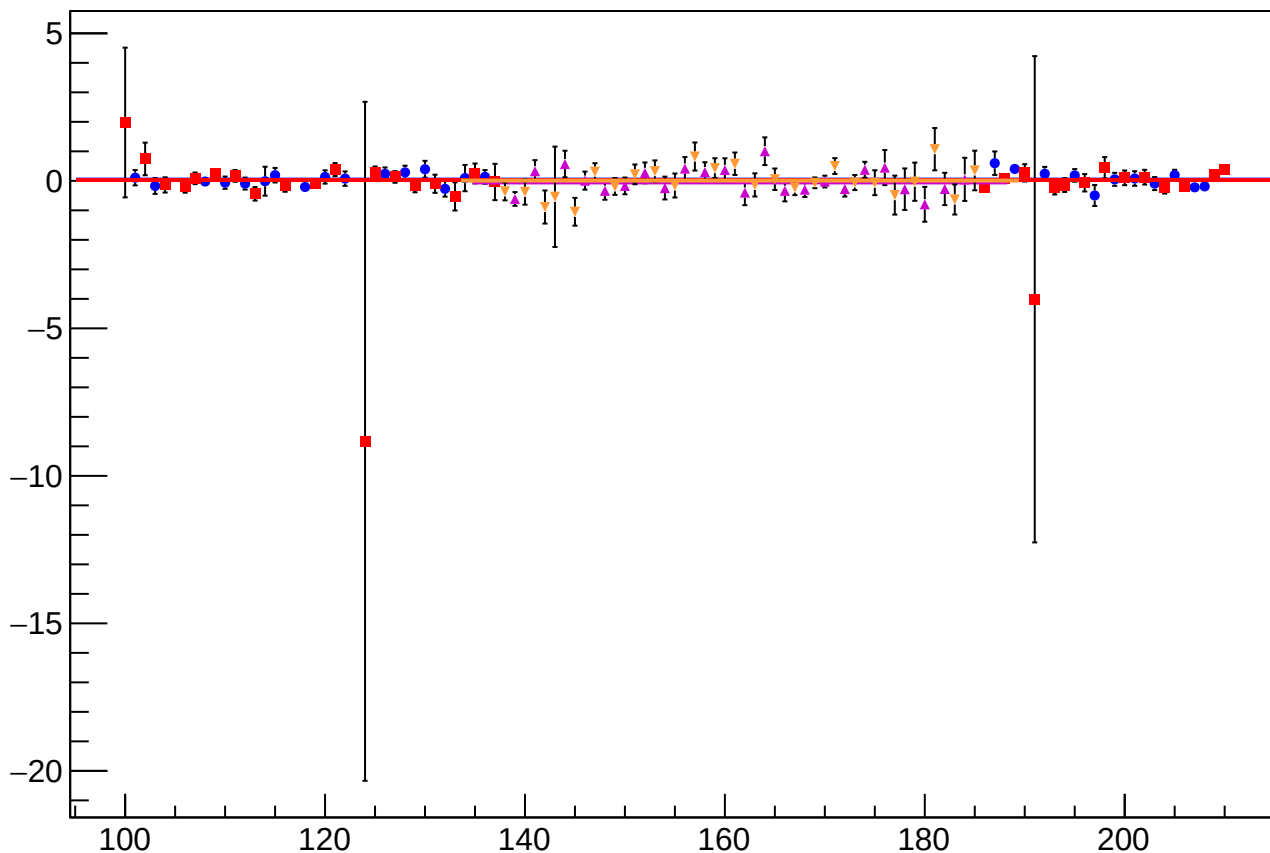
Left In: 0.000+/-0.000 χ^2/NDF : 1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 8562393.4/51

All: 0.000+/-0.000 χ^2/NDF : 19177365.0/107

- sign 0.000+/-0.000 χ^2/NDF : 10291343.2/55

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.042 $\pm$ 0.042 χ^2 /NDF: 26.7/26

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.028 $\pm$ 0.037 χ^2 /NDF: 39.8/32

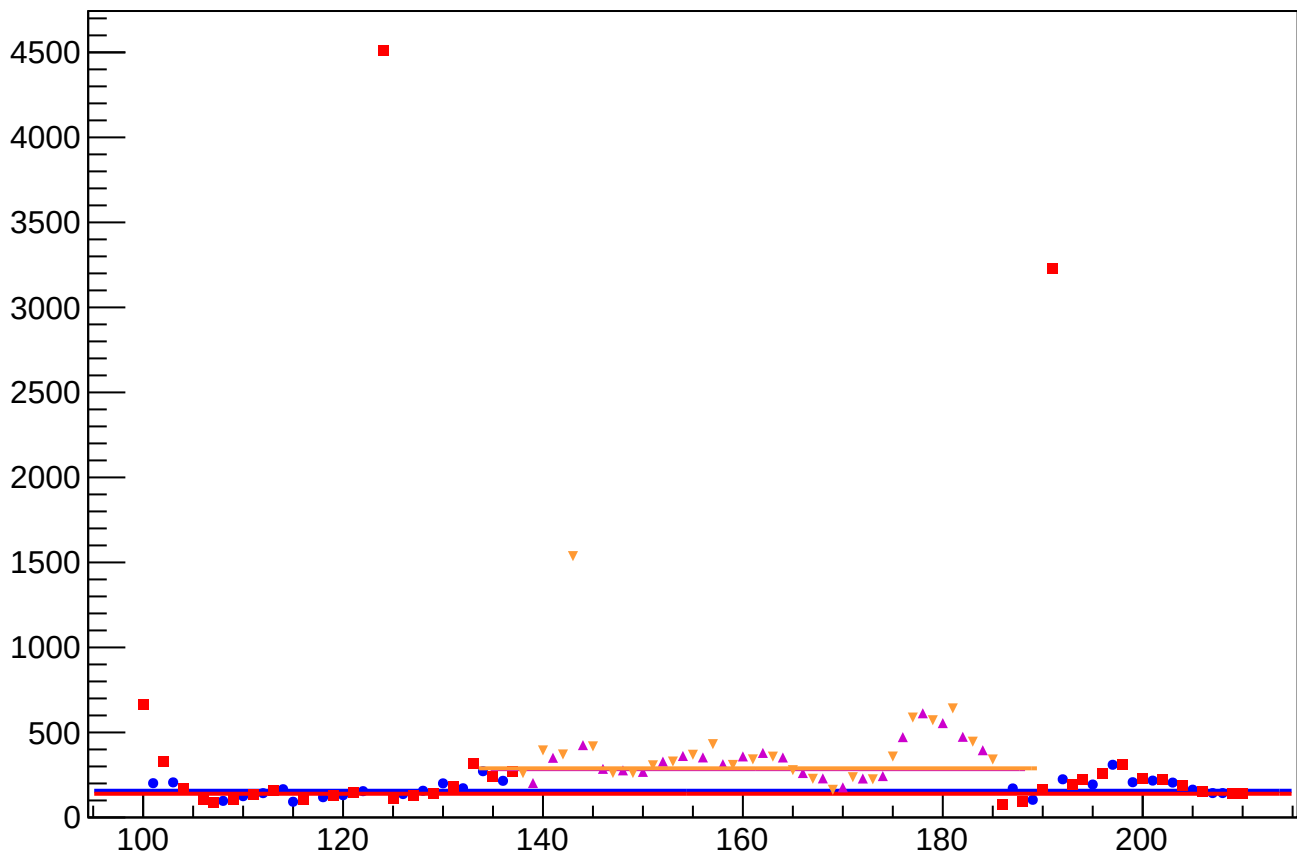
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.033 $\pm$ 0.036 χ^2 /NDF: 55.8/51

All: 0.021 $\pm$ 0.024 χ^2 /NDF: 124.6/107

- sign 0.011 $\pm$ 0.032 χ^2 /NDF: 68.6/55

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 157.039+/-0.030 χ^2/NDF : 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 139.371+/-0.026 χ^2/NDF : 4675066.3/32

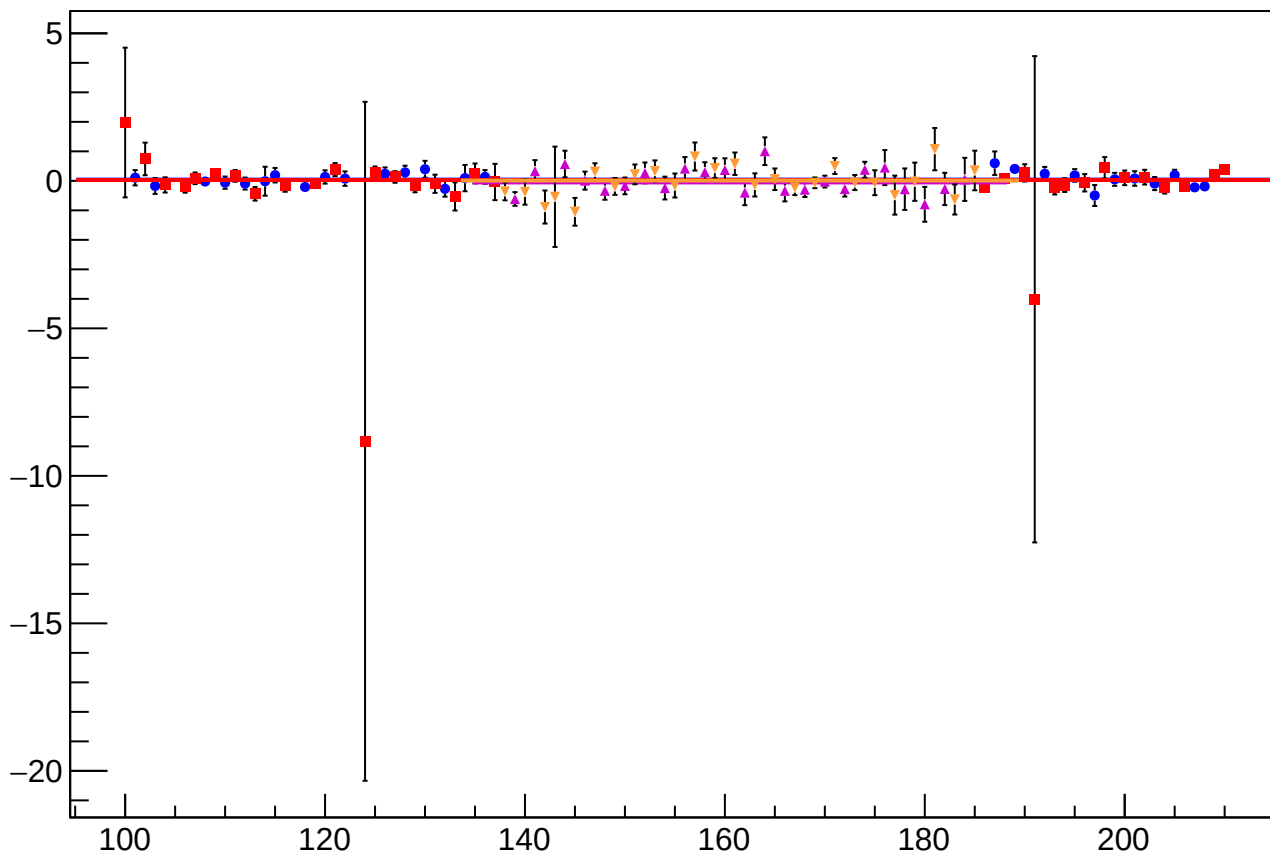
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF : 12013966.7/51

All: 179.477+/-0.017 χ^2/NDF : 26809042.7/10

- sign 170.076+/-0.023 χ^2/NDF : 14418235.8/55

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042 $\pm$ 0.042 χ^2 /NDF: 26.7/26

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.028 $\pm$ 0.037 χ^2 /NDF: 39.8/32

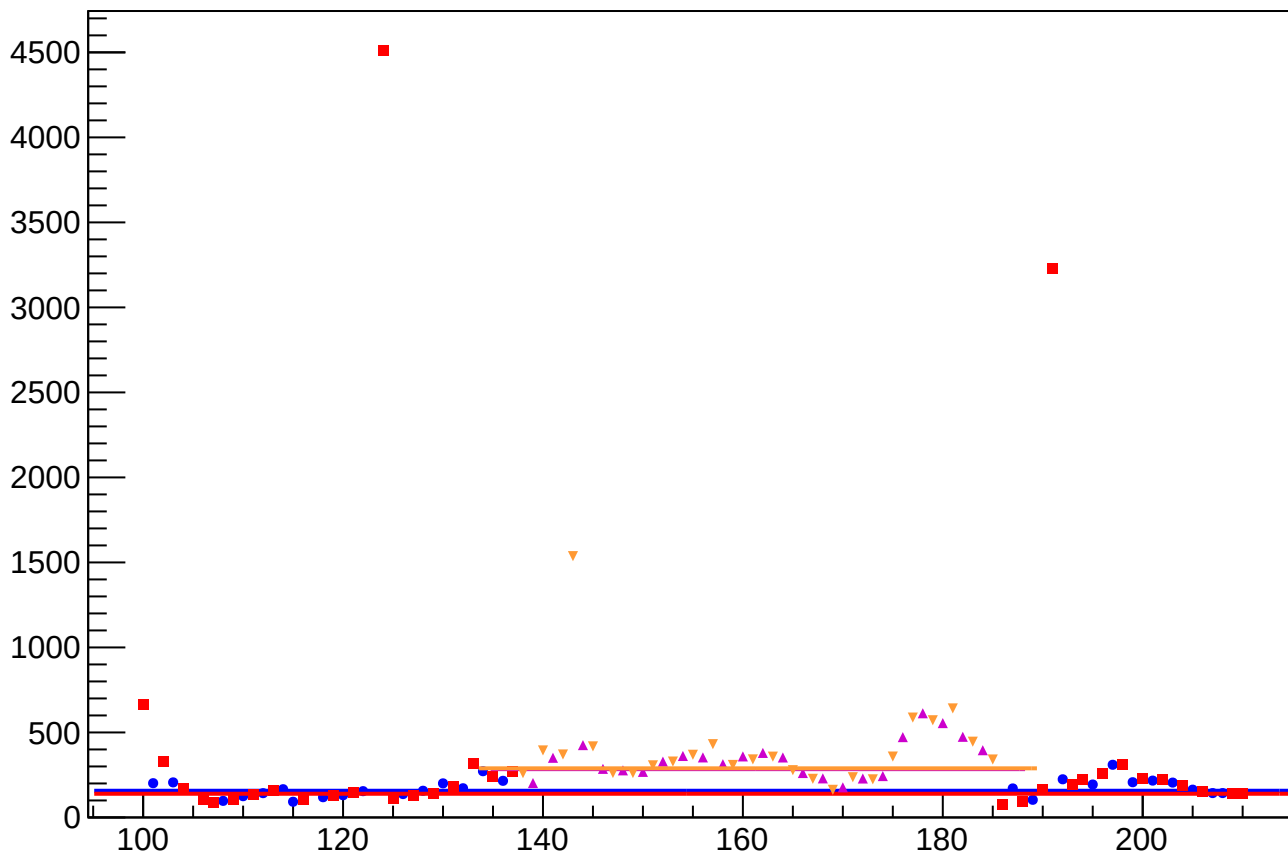
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.033 $\pm$ 0.036 χ^2 /NDF: 55.8/51

All: 0.021 $\pm$ 0.024 χ^2 /NDF: 124.6/107

- sign 0.011 $\pm$ 0.032 χ^2 /NDF: 68.6/55

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 157.039+/-0.030 χ^2/NDF : 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 139.371+/-0.026 χ^2/NDF : 4675066.3/32

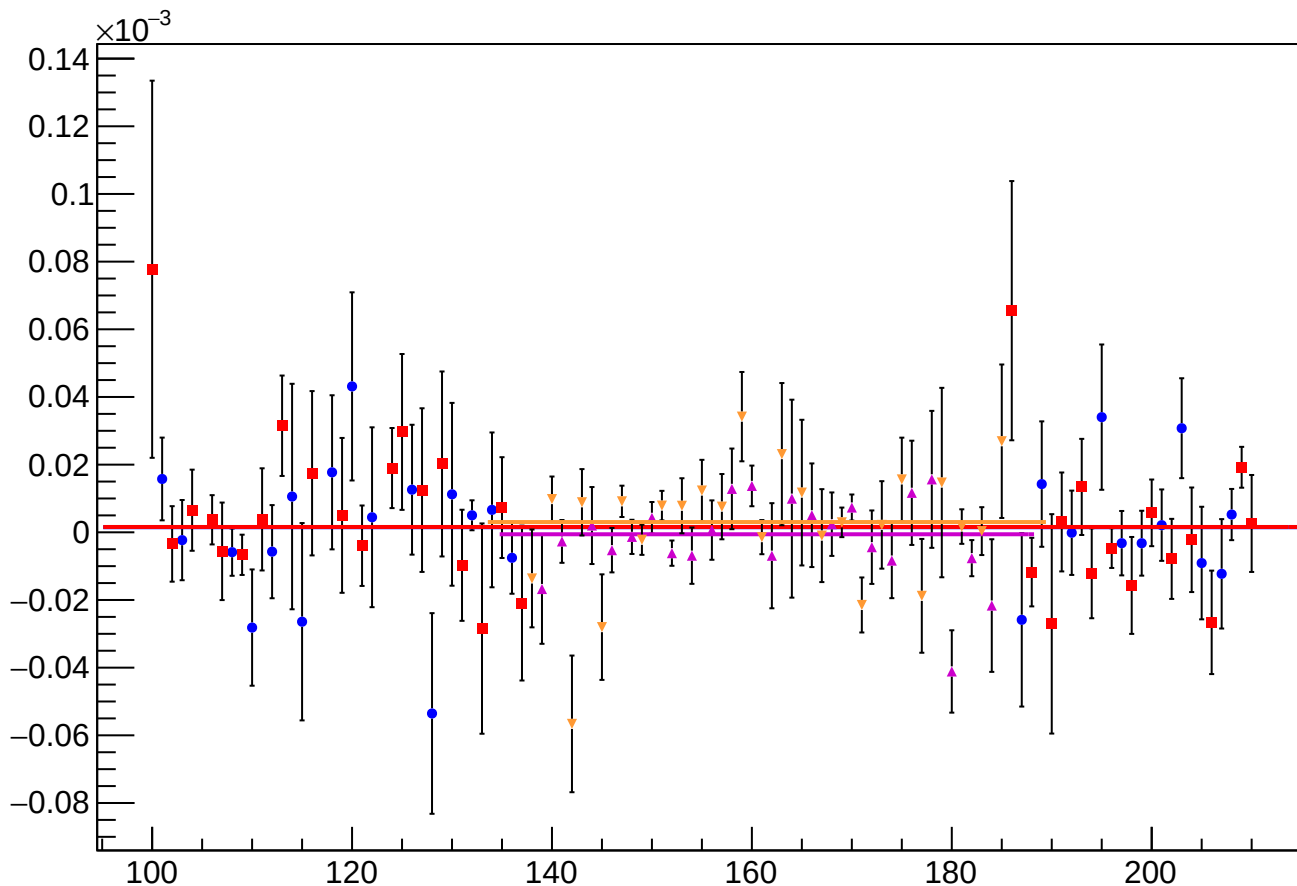
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF : 12013966.7/51

All: 179.477+/-0.017 χ^2/NDF : 26809042.7/10

- sign 170.076+/-0.023 χ^2/NDF : 14418235.8/55

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.6/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:42.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.5/32

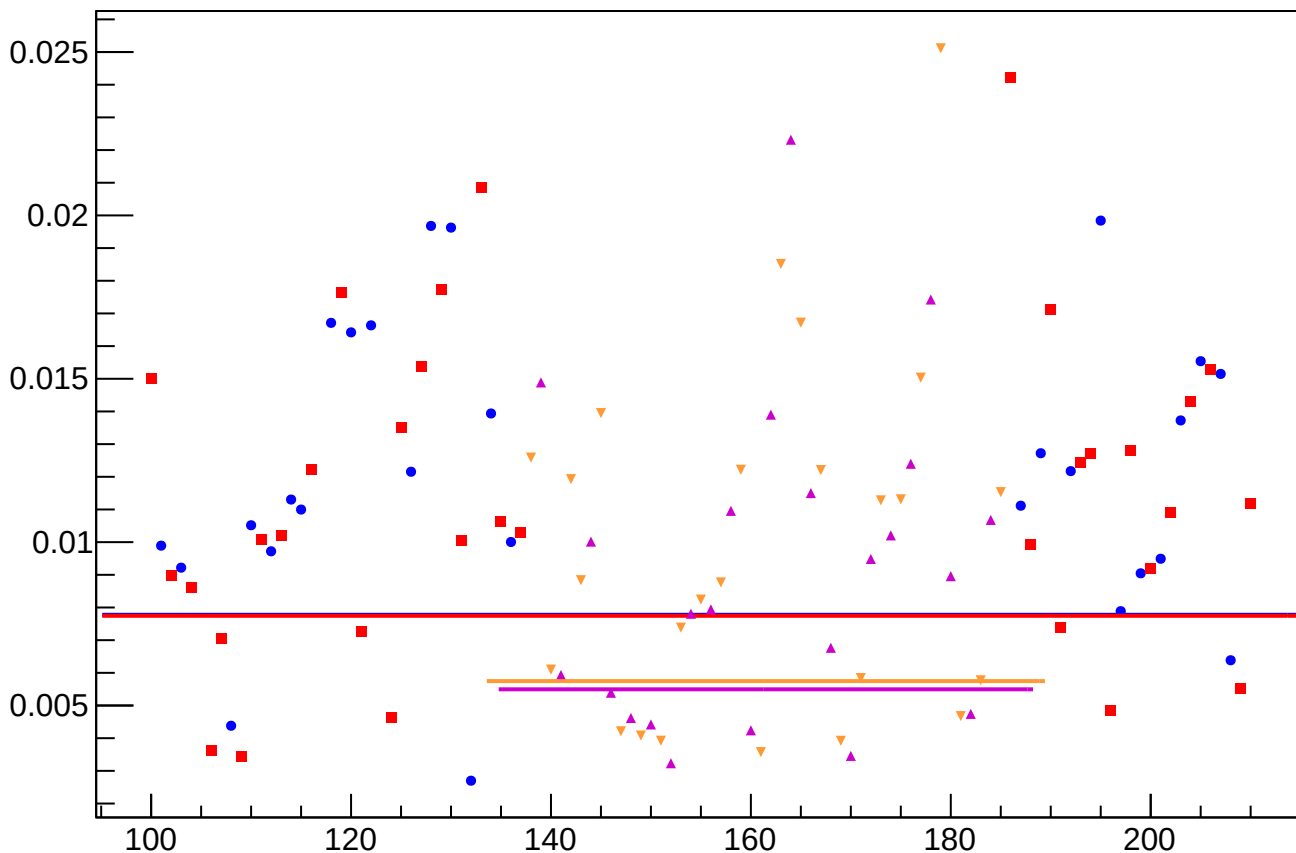
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:33.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67.2/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 141.4/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 72.4/55

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7487309.9/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:8128513.8/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 6826417.1/32

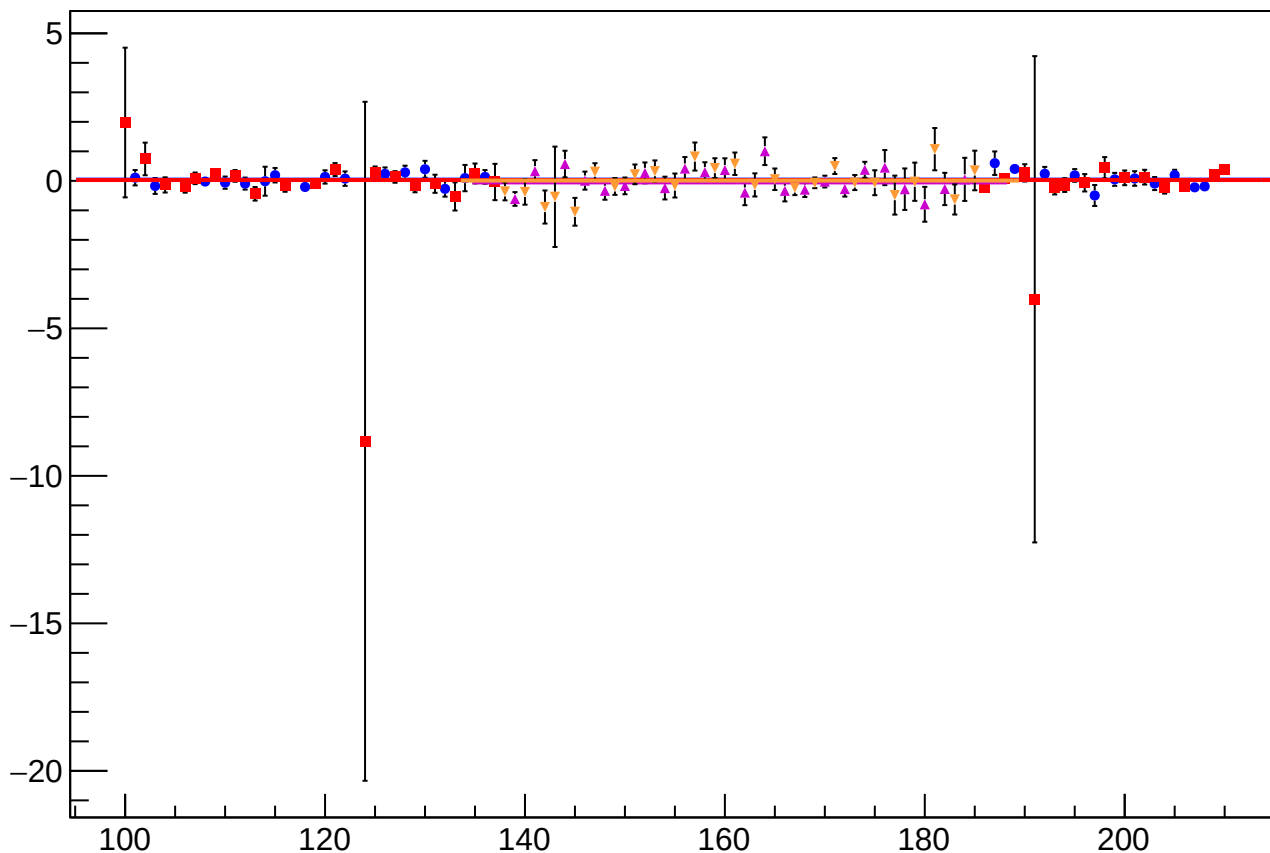
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:6937299.0/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 16702957.4/51

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 31991497.7/107

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 15282559.7/55

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.042 $\pm$ 0.042 χ^2 /NDF: 26.7/26

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.028 $\pm$ 0.037 χ^2 /NDF: 39.8/32

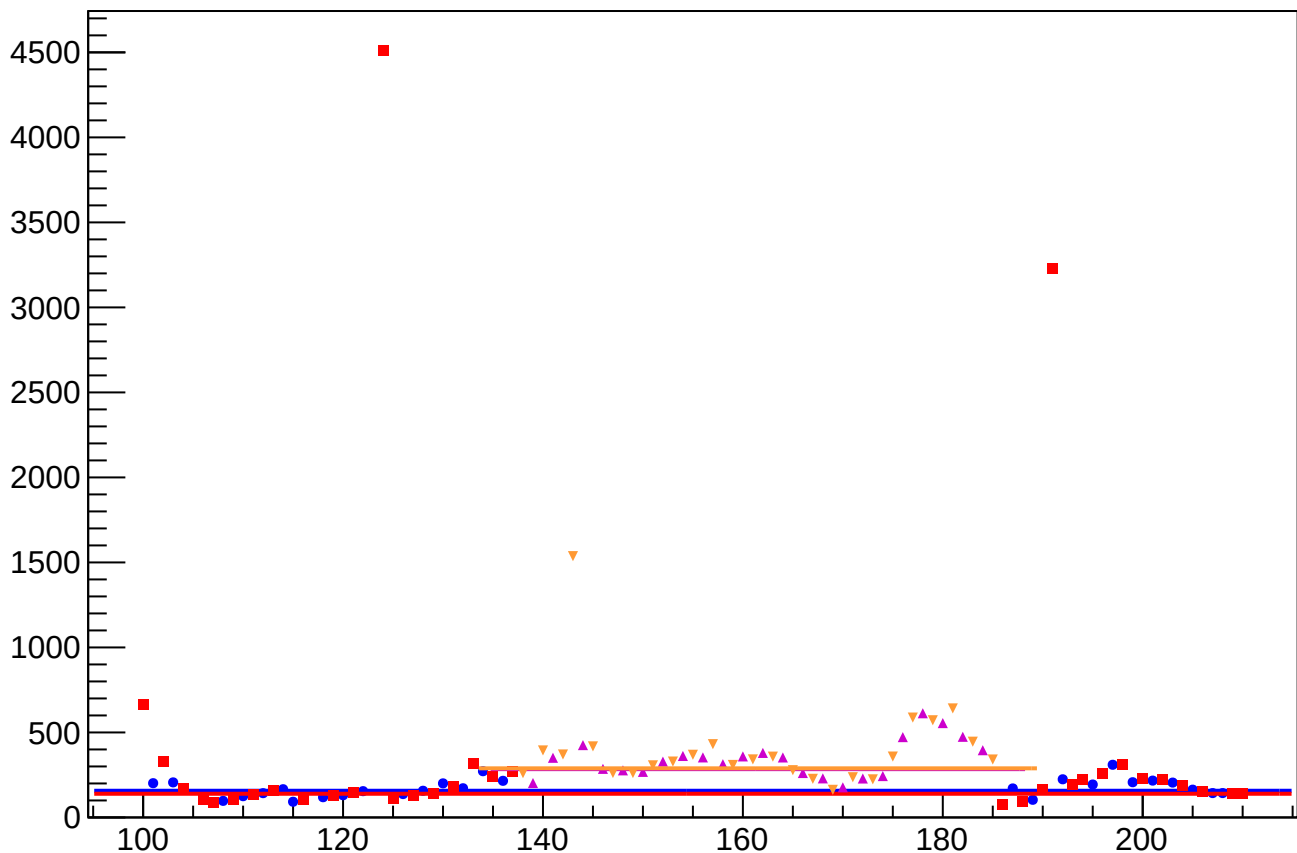
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.033 $\pm$ 0.036 χ^2 /NDF: 55.8/51

All: 0.021 $\pm$ 0.024 χ^2 /NDF: 124.6/107

- sign 0.011 $\pm$ 0.032 χ^2 /NDF: 68.6/55

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 157.039+/-0.030 χ^2/NDF : 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 139.373+/-0.026 χ^2/NDF : 4674905.7/32

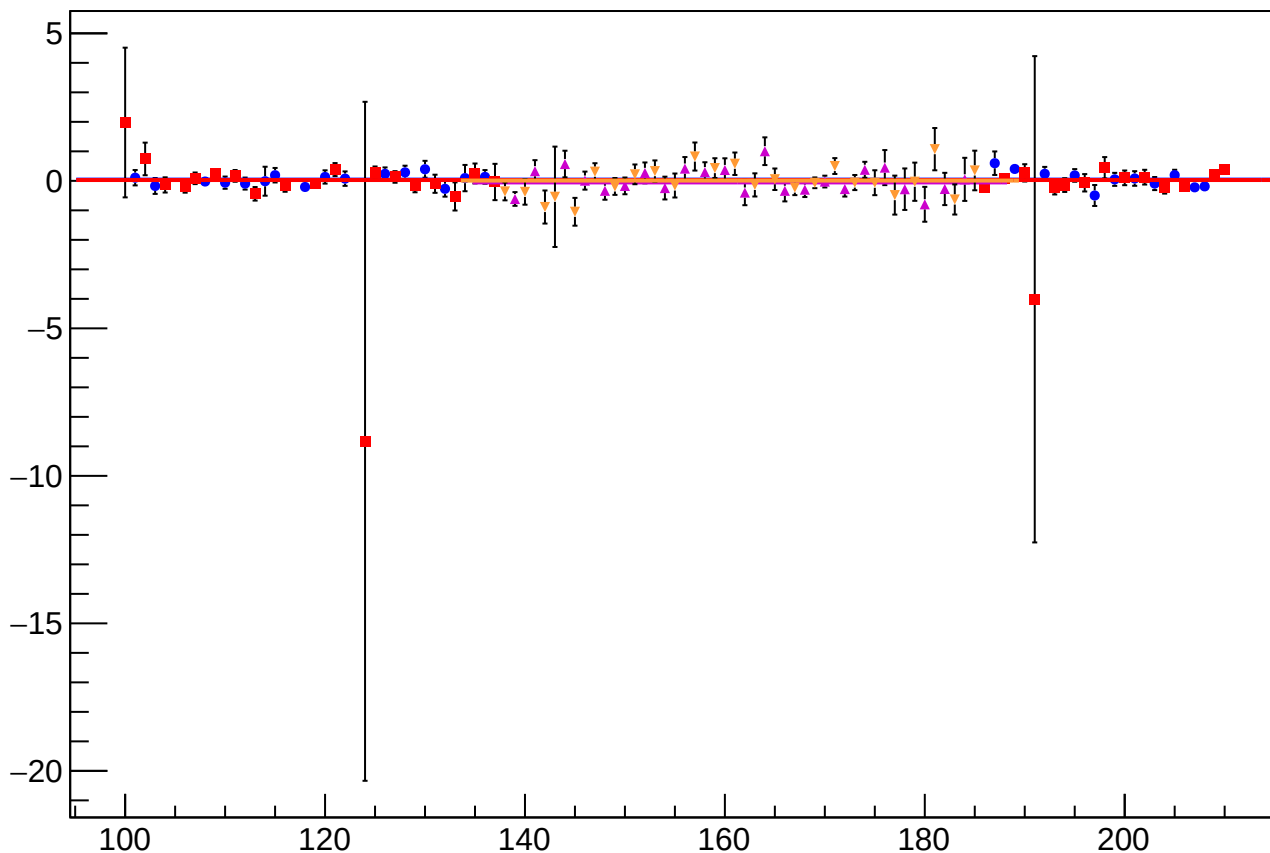
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF : 12014123.2/51

All: 179.478+/-0.017 χ^2/NDF : 26808956.5/10

- sign 170.078+/-0.023 χ^2/NDF : 14418060.8/55

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042 ± 0.042 χ^2/NDF : 26.7/26

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.028 ± 0.037 χ^2/NDF : 39.8/32

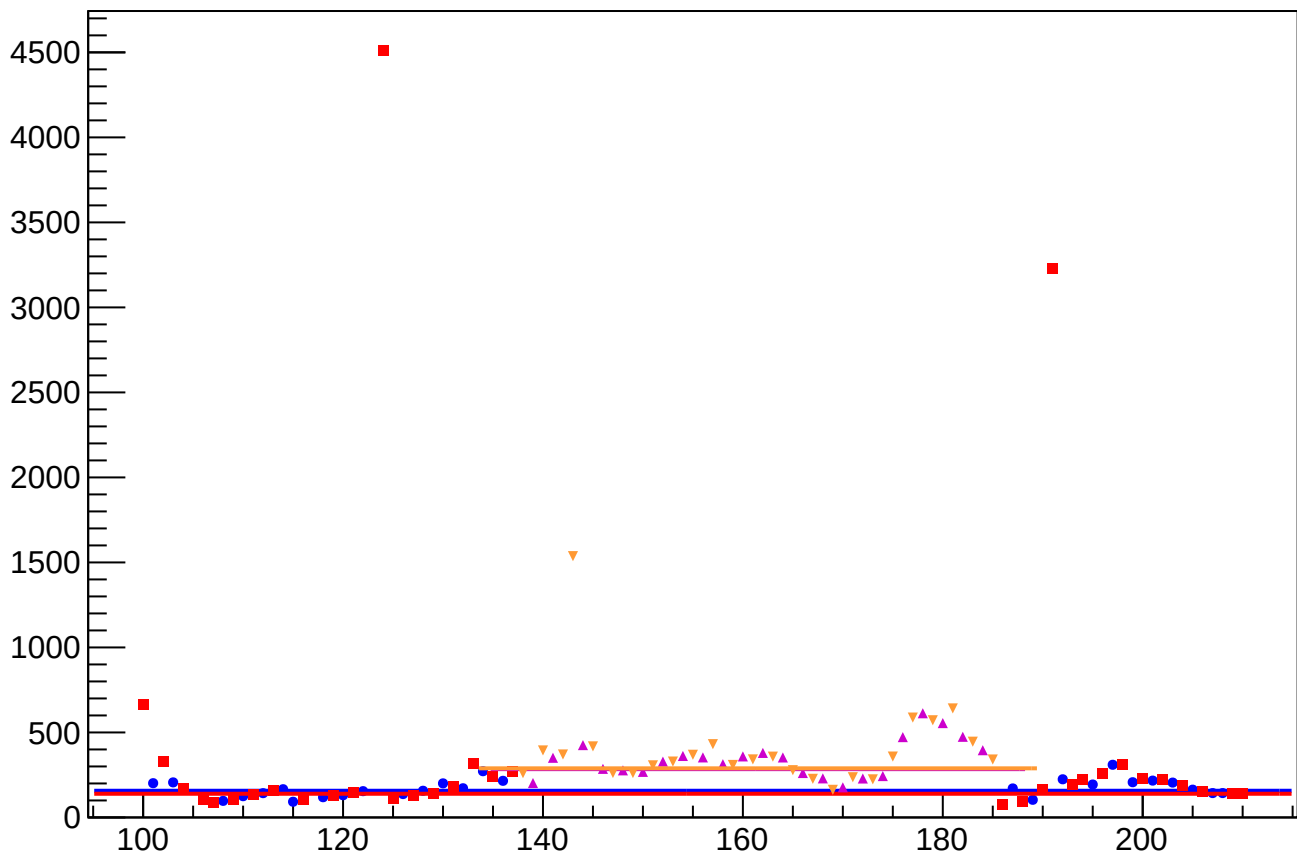
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.033 ± 0.036 χ^2/NDF : 55.8/51

All: 0.021 ± 0.024 χ^2/NDF : 124.6/107

- sign 0.011 ± 0.032 χ^2/NDF : 68.6/55

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 157.039+/-0.030 χ^2/NDF : 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 139.373+/-0.026 χ^2/NDF : 4674905.7/32

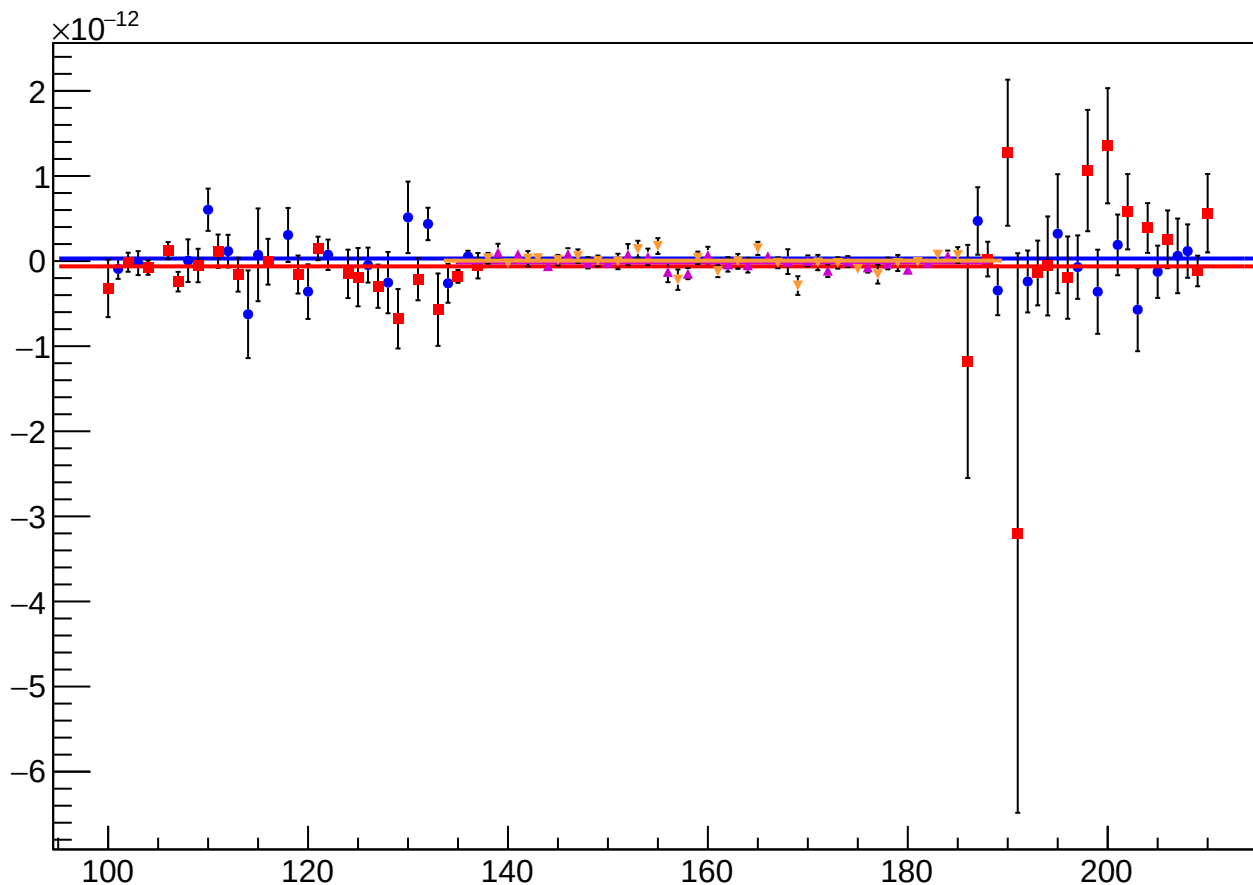
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF : 12014123.2/51

All: 179.478+/-0.017 χ^2/NDF : 26808956.5/10

- sign 170.078+/-0.023 χ^2/NDF : 14418060.8/55

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 34.1/24

Right Out: -0.000+/-0.000 χ^2/NDF : 37.1/32

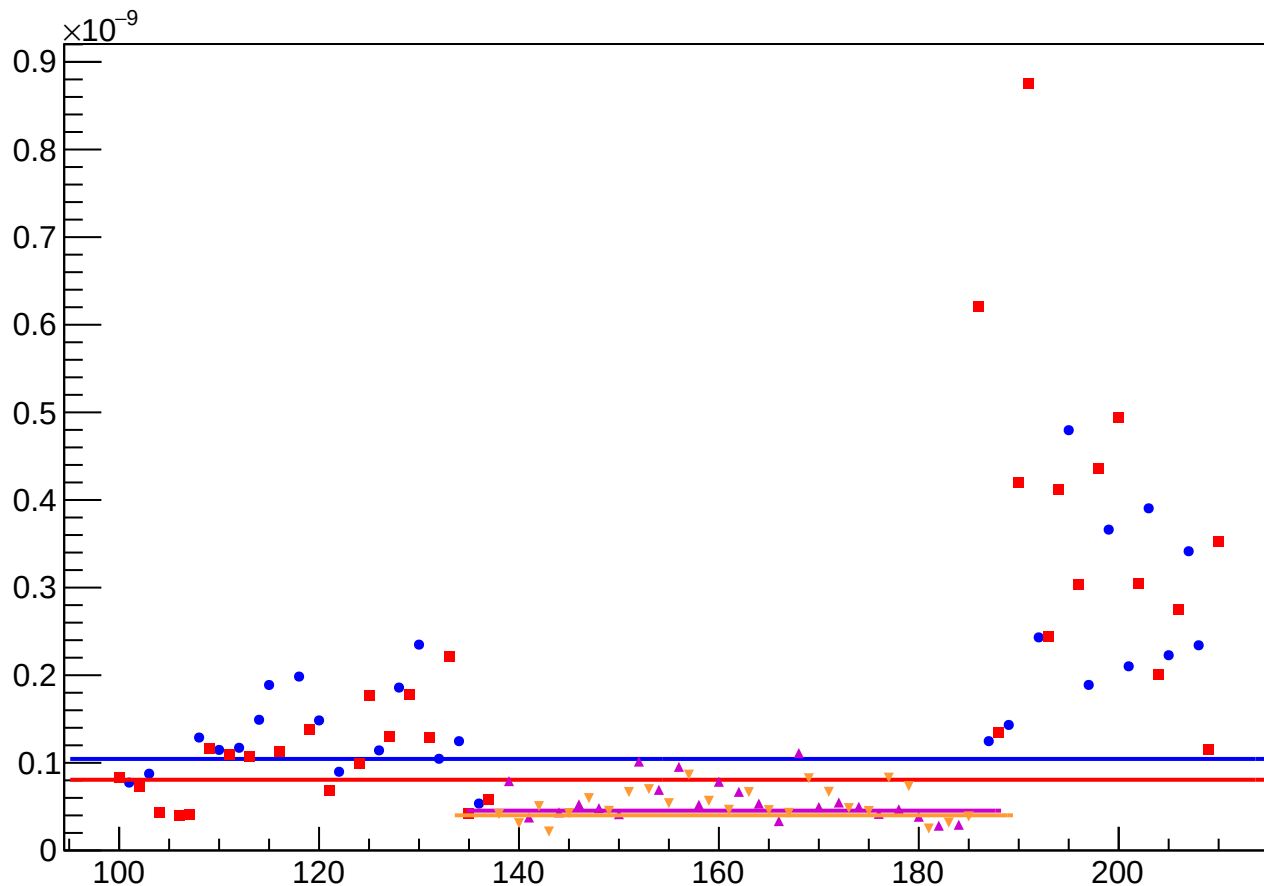
Left In: -0.000+/-0.000 χ^2/NDF : 23.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 60.0/51

All: -0.000+/-0.000 χ^2/NDF : 125.1/107

- sign -0.000+/-0.000 χ^2/NDF : 62.2/55

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8402337.2/32

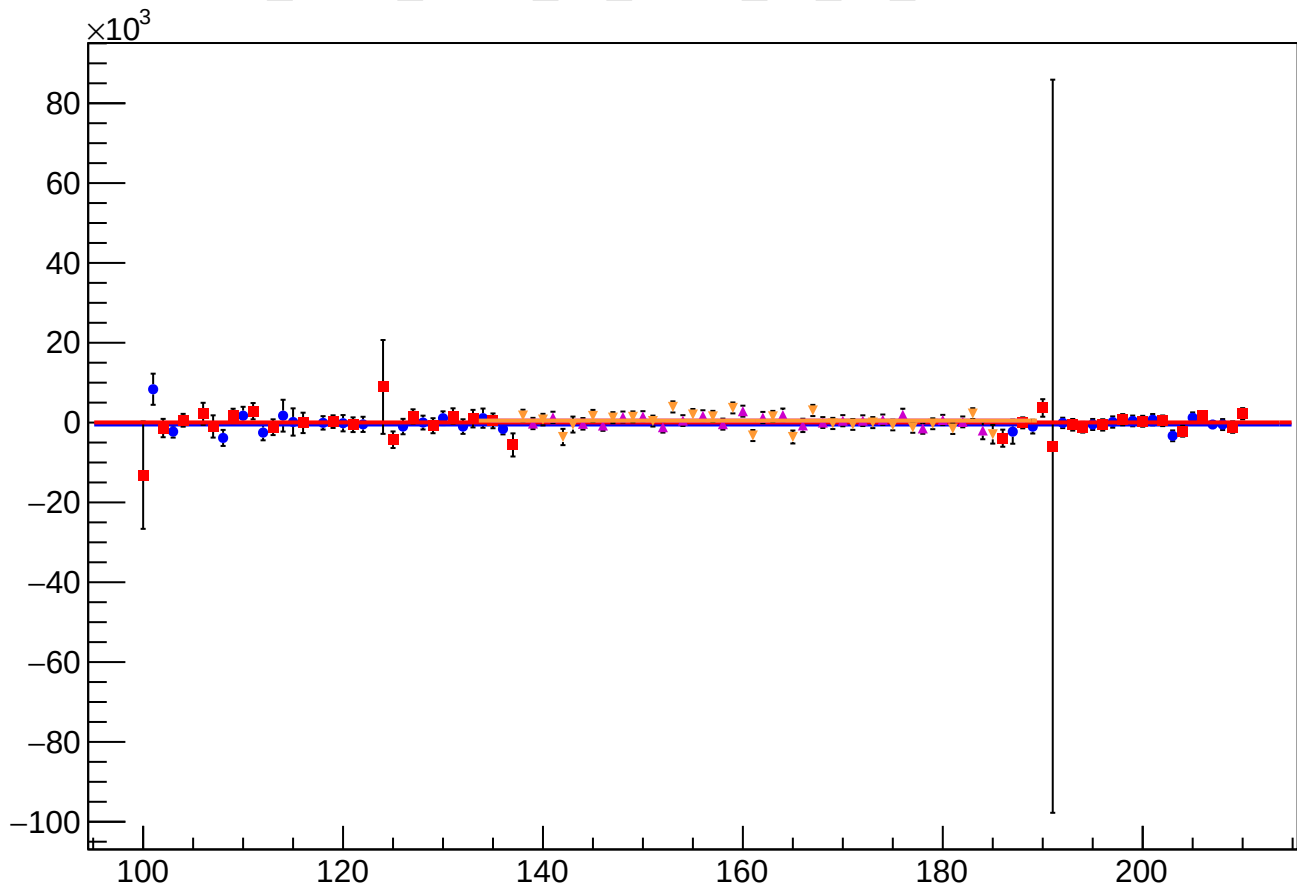
Left In: 0.000+/-0.000 χ^2/NDF : 2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 13918679.3/51

All: 0.000+/-0.000 χ^2/NDF : 27303141.3/107

- sign 0.000+/-0.000 χ^2/NDF : 13207014.5/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -478.949 ± 323.549 χ^2/NDF : 21.9/26

Left Out: 492.062 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 37.024 ± 308.298 χ^2/NDF : 31.1/32

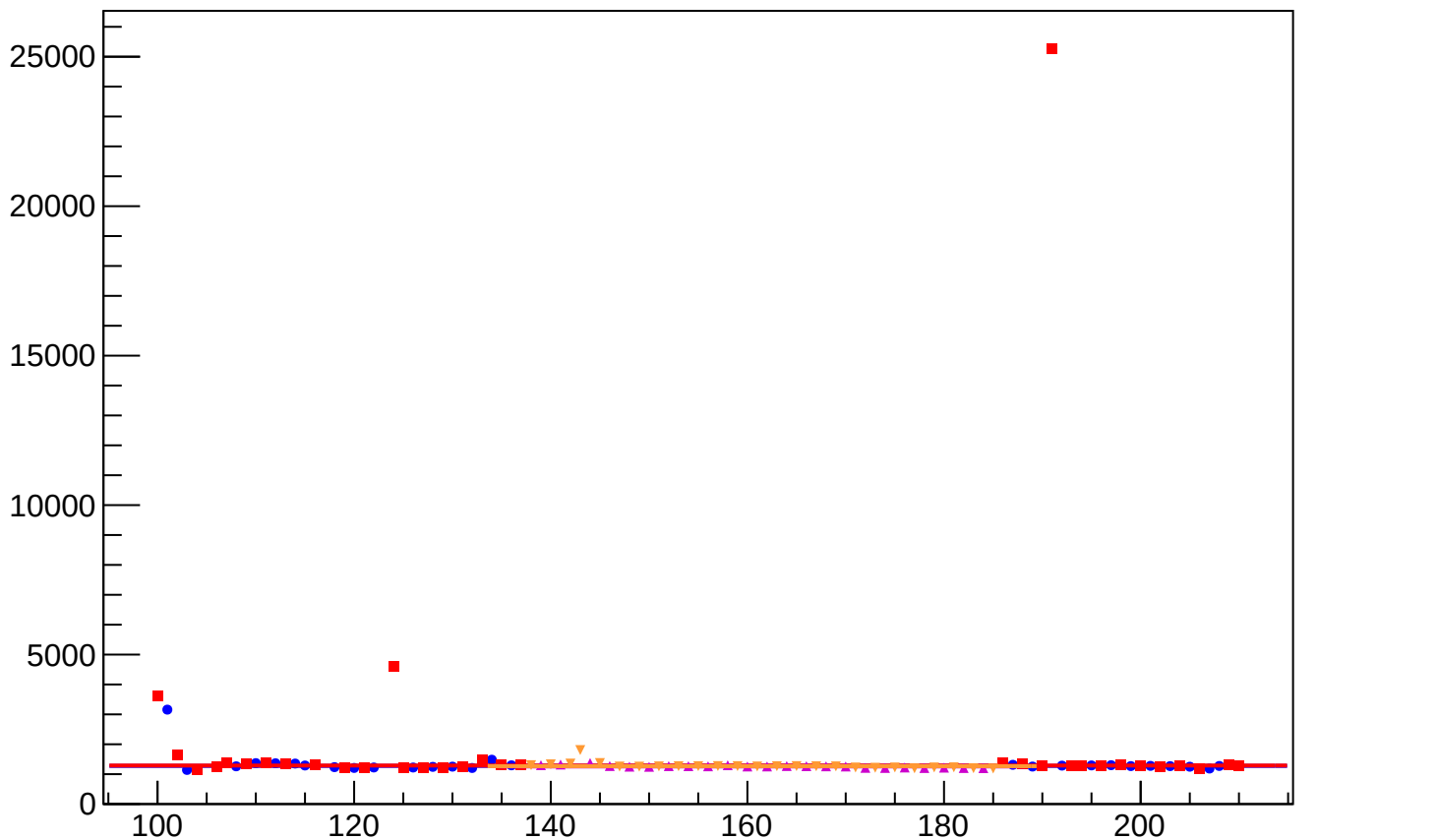
Left In: 486.821 ± 293.769 χ^2/NDF : 14.4/22

+ sign 61.988 ± 215.328 χ^2/NDF : 73.8/51

All: 168.685 ± 151.314 χ^2/NDF : 121.0/107

- sign 272.771 ± 212.677 χ^2/NDF : 46.7/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1276.212 $\pm$ 0.229 χ^2 /NDF: 528341.6/26

Left Out: 1266.967 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1288.715 $\pm$ 0.218 χ^2 /NDF: 482663.4/32

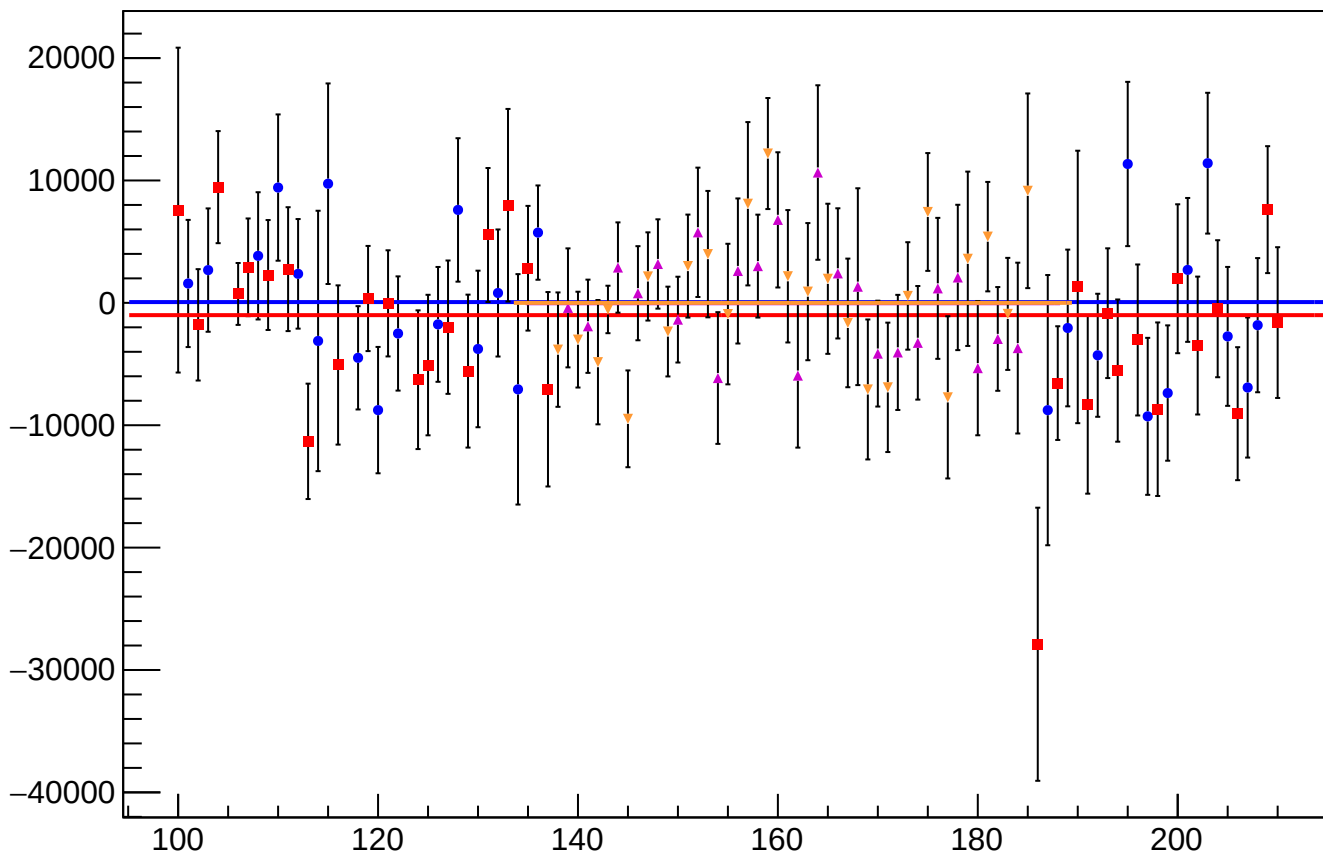
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.4/22

+ sign 1271.062 $\pm$ 0.152 χ^2 /NDF: 716796.8/51

All: 1271.739 $\pm$ 0.107 χ^2 /NDF: 1247038.1/10

- sign 1272.398 $\pm$ 0.150 χ^2 /NDF: 530202.3/55

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug



Right In: 63.227+/-1069.204 χ^2/NDF : 28.6/26

Left Out: -0.604+/-886.488 χ^2/NDF : 29.1/24

Right Out: -1004.039+/-916.512 χ^2/NDF : 34.9/32

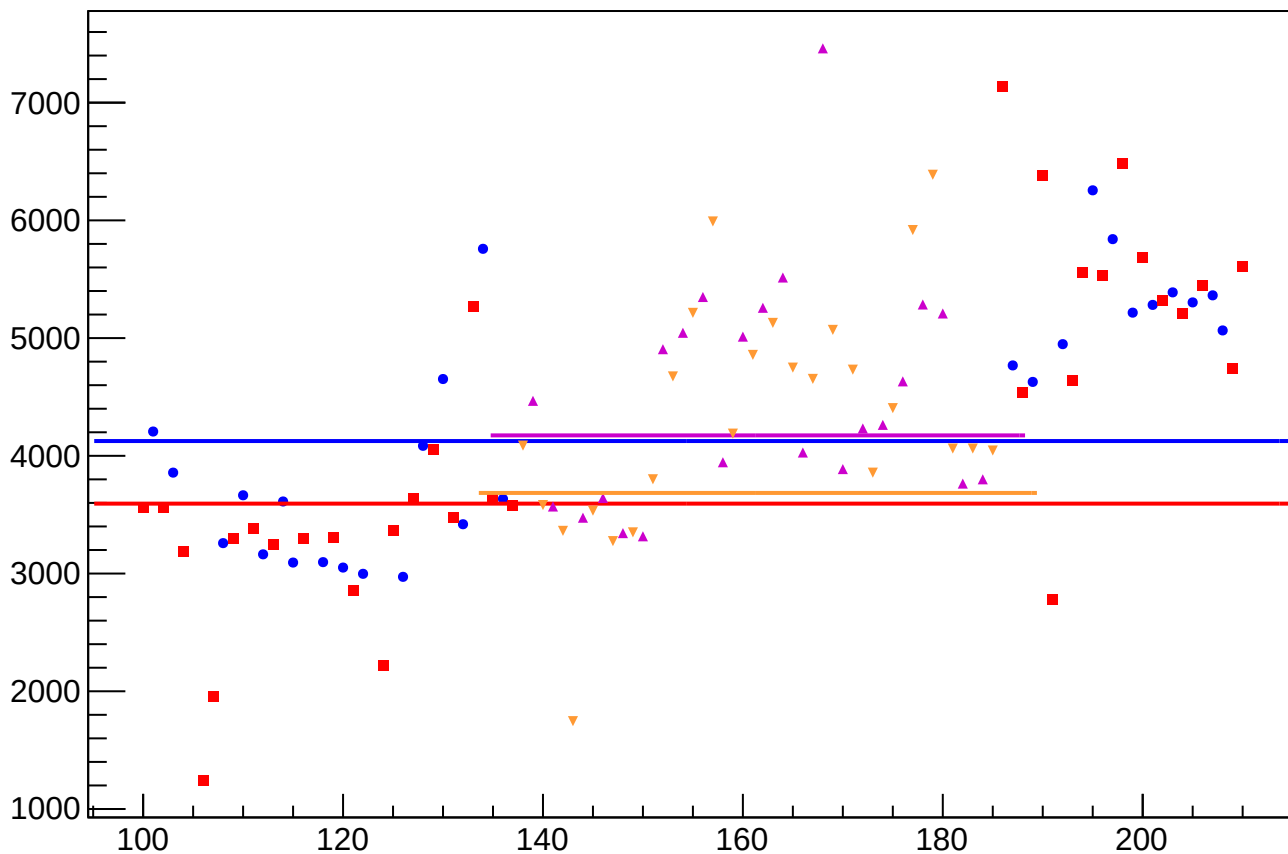
Left In: -31.593+/-995.348 χ^2/NDF : 14.0/22

+ sign 25.399+/-682.434 χ^2/NDF : 57.6/51

All: -269.754+/-479.624 χ^2/NDF : 107.5/107

- sign -557.847+/-674.222 χ^2/NDF : 49.5/55

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug



Right In: 4125.558 $\pm$ 0.756 χ^2/NDF : 1696125.4/26

Left Out: 3684.769 $\pm$ 0.627 χ^2/NDF : 3693646.6/24

Right Out: 3593.907 $\pm$ 0.648 χ^2/NDF : 4807343.5/32

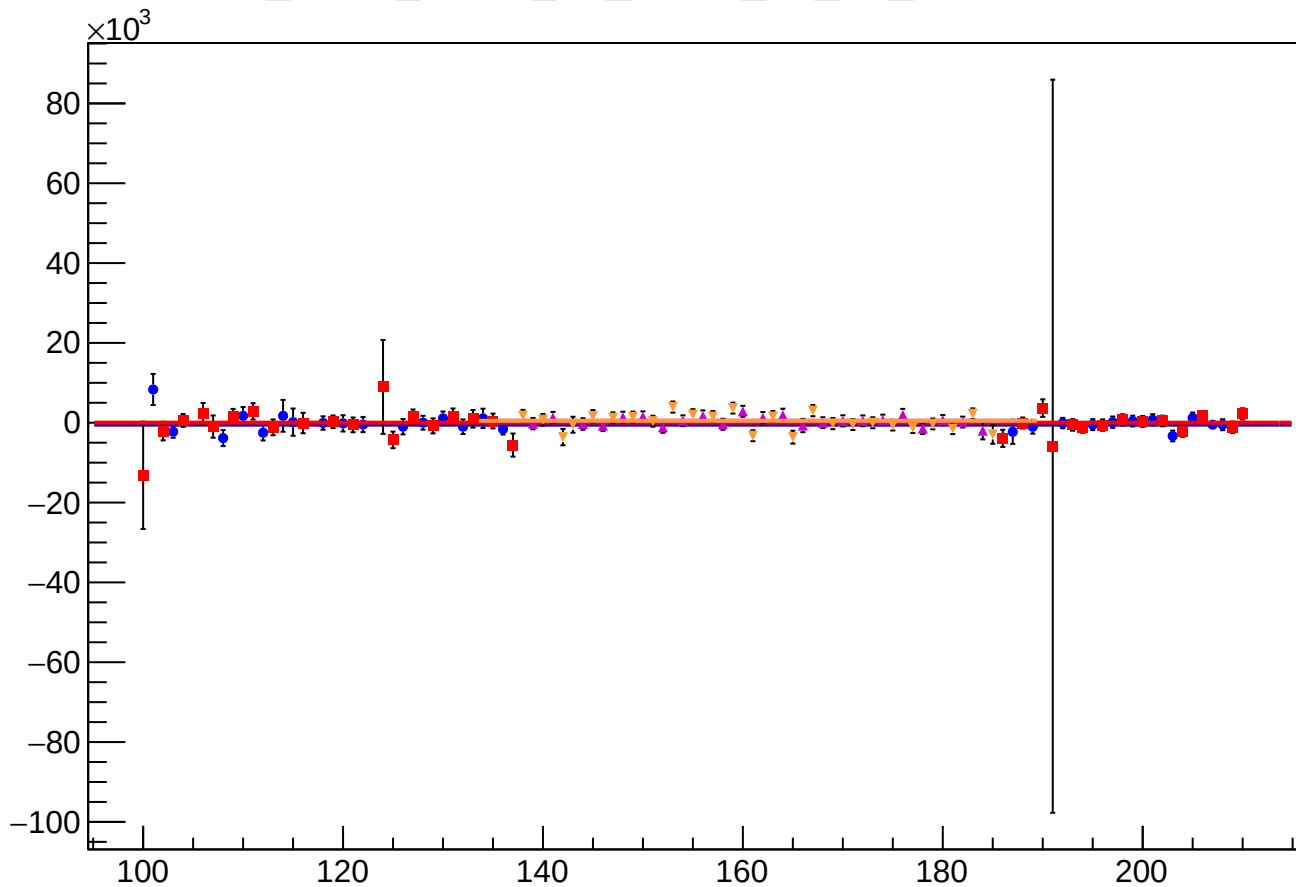
Left In: 4173.556 $\pm$ 0.704 χ^2/NDF : 1274968.4/22

+ sign 3864.338 $\pm$ 0.483 χ^2/NDF : 5591212.3/51

All: 3862.077 $\pm$ 0.339 χ^2/NDF : 12040630.8/100

- sign 3859.870 $\pm$ 0.477 χ^2/NDF : 6449375.1/55

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -479.091 ± 323.549 χ^2/NDF : 21.9/26

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 25.432 ± 308.380 χ^2/NDF : 31.6/32

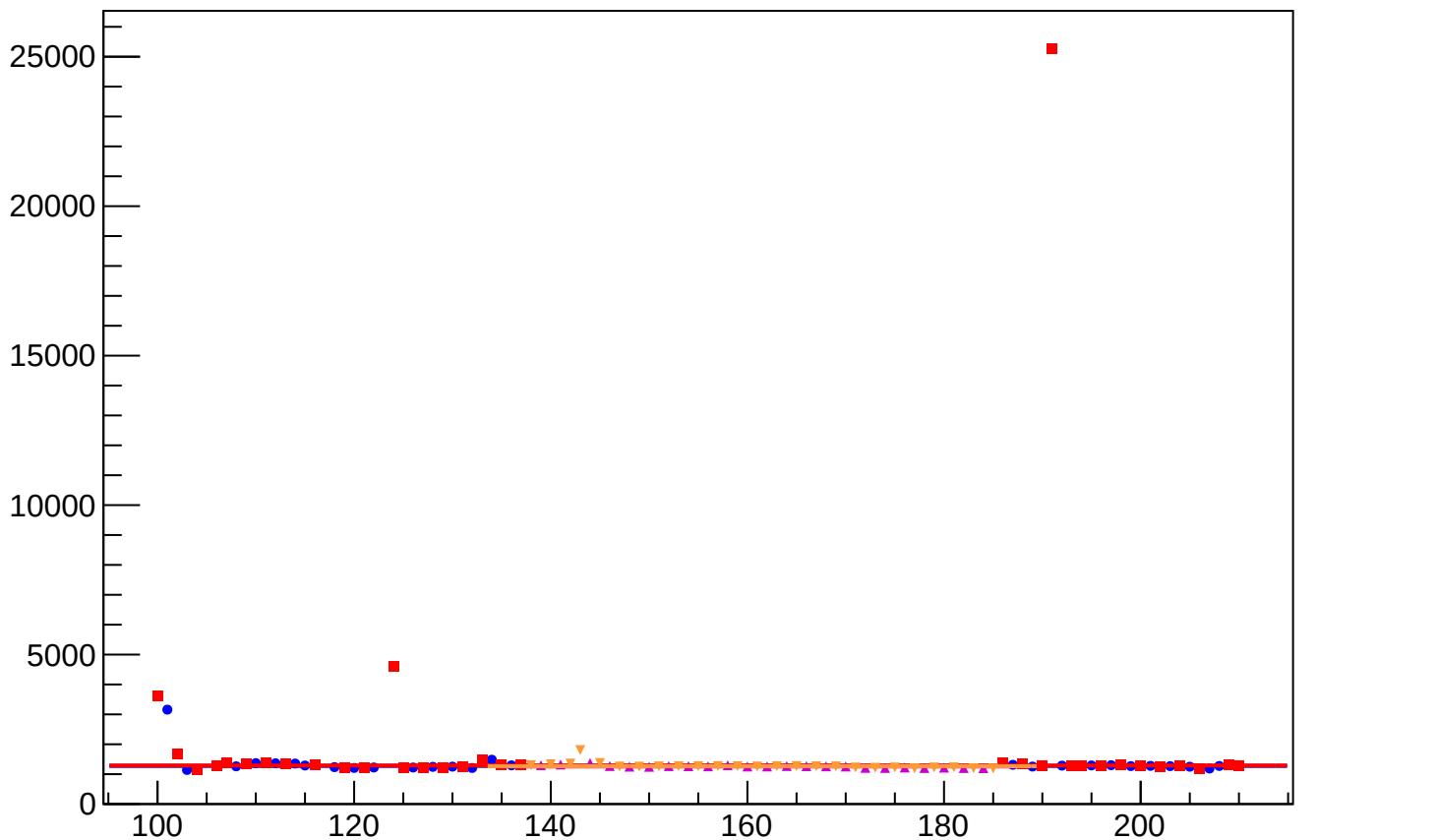
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 61.935 ± 215.328 χ^2/NDF : 73.8/51

All: 165.857 ± 151.323 χ^2/NDF : 121.4/107

- sign 267.263 ± 212.704 χ^2/NDF : 47.2/55

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1276.212 $\pm$ 0.229 χ^2 /NDF: 528343.0/26

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.515 $\pm$ 0.218 χ^2 /NDF: 489554.9/32

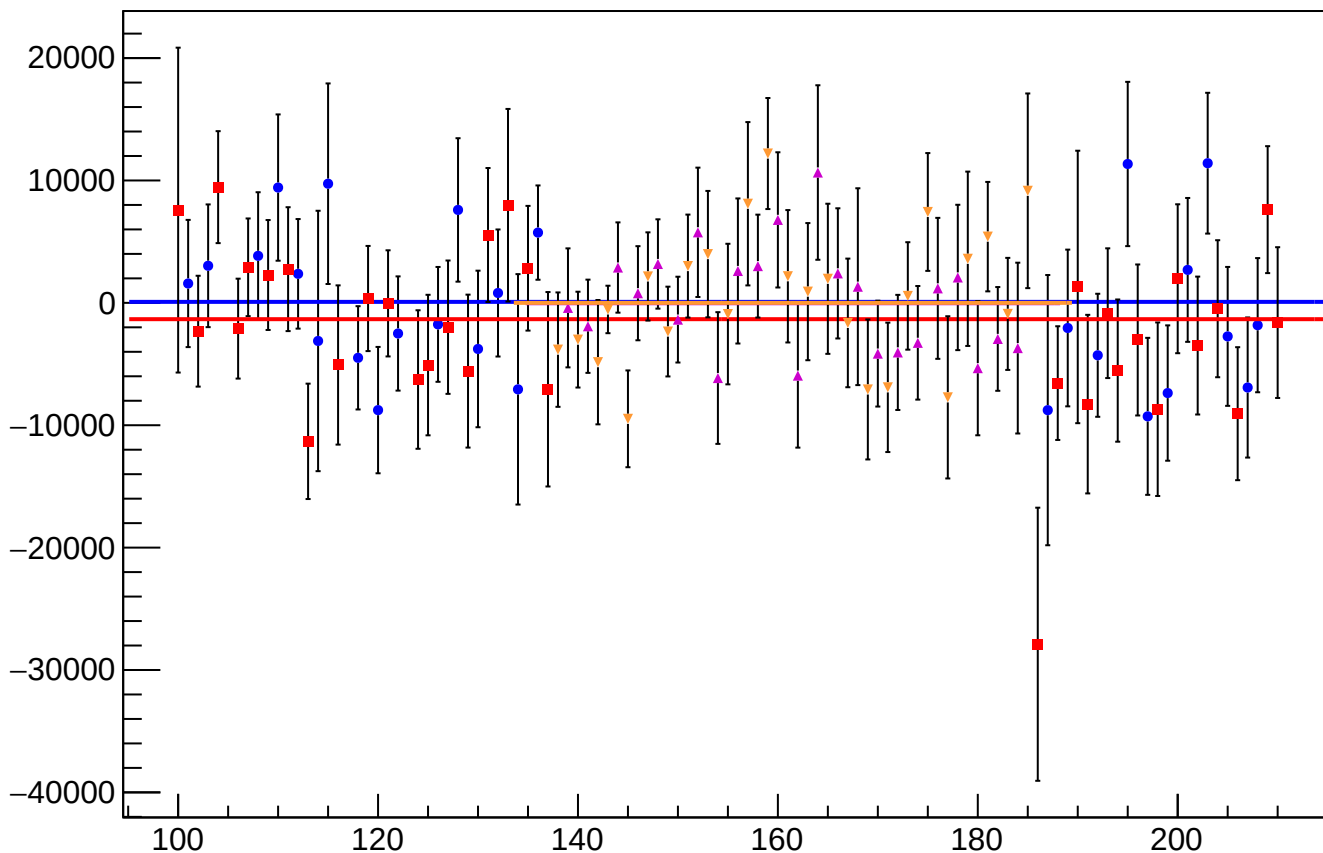
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1271.062 $\pm$ 0.152 χ^2 /NDF: 716798.2/51

All: 1271.927 $\pm$ 0.107 χ^2 /NDF: 1254506.5/10

- sign 1272.770 $\pm$ 0.150 χ^2 /NDF: 537644.6/55

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug



Right In: 80.325+/-1068.965 χ^2/NDF : 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF : 29.1/24

Right Out: -1334.126+/-955.729 χ^2/NDF : 34.4/32

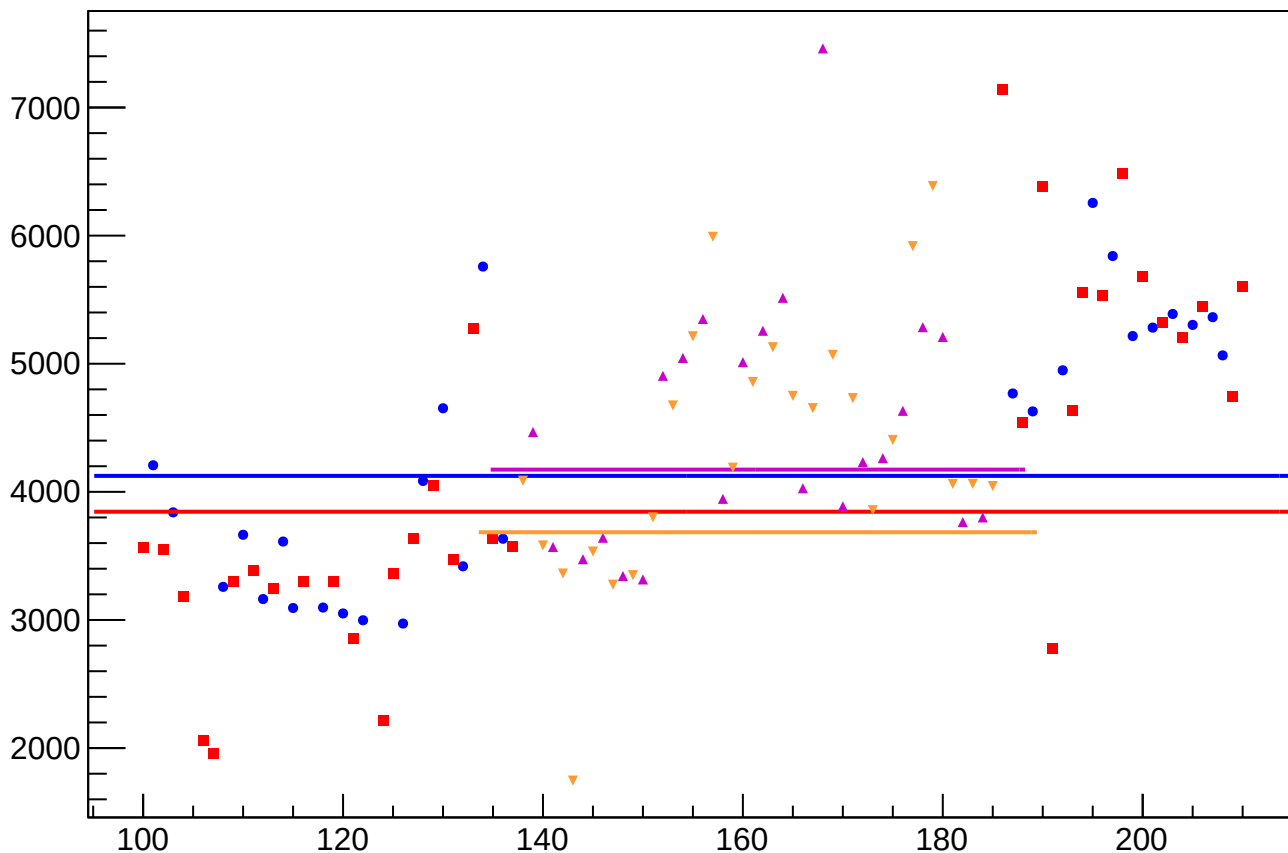
Left In: -31.597+/-995.347 χ^2/NDF : 14.0/22

+ sign 32.411+/-682.372 χ^2/NDF : 57.7/51

All: -334.653+/-484.970 χ^2/NDF : 107.7/107

- sign -709.299+/-689.383 χ^2/NDF : 49.4/55

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug



Right In: 4124.687 $\pm$ 0.756 χ^2/NDF : 1696967.8/26

Left Out: 3684.762 $\pm$ 0.627 χ^2/NDF : 3693687.2/24

Right Out: 3844.885 $\pm$ 0.676 χ^2/NDF : 3222064.1/32

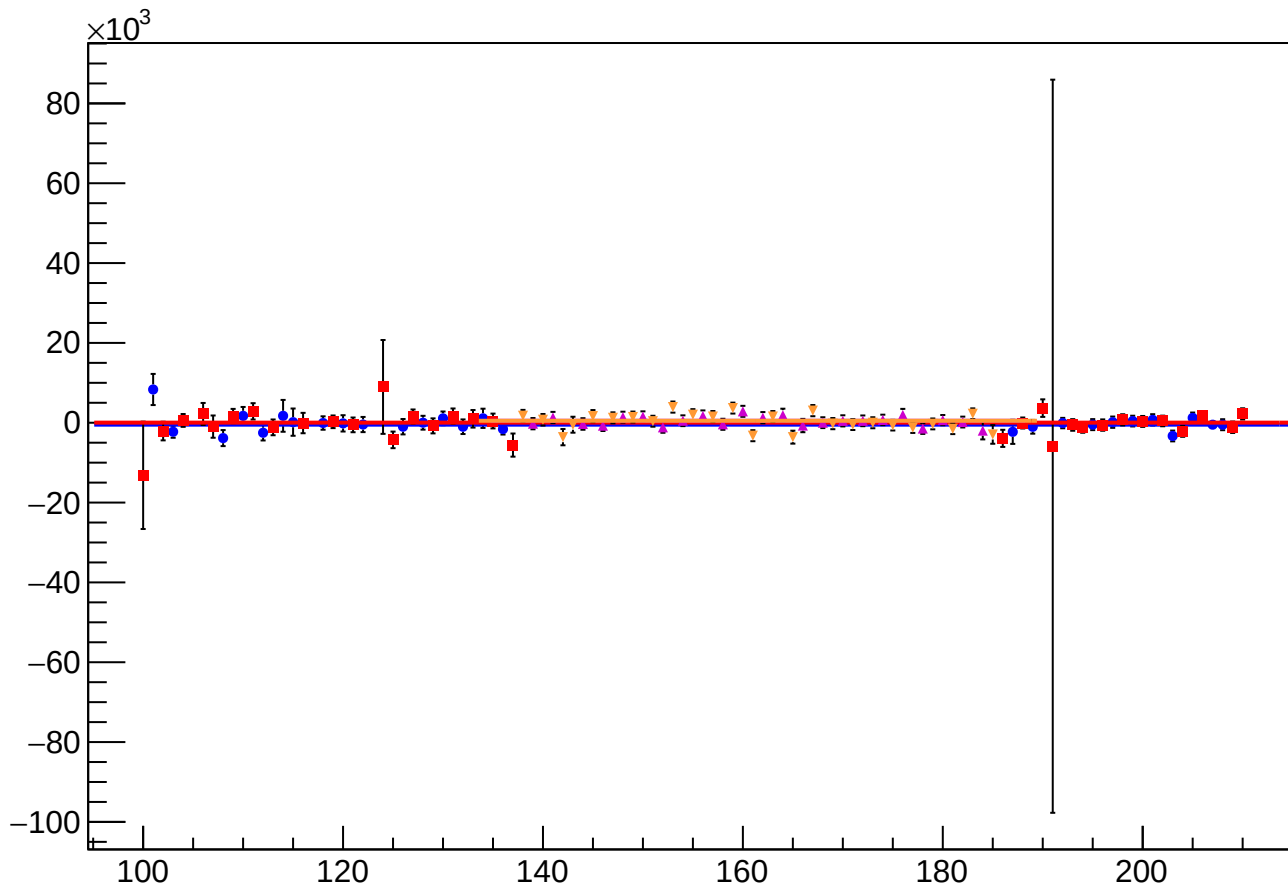
Left In: 4173.550 $\pm$ 0.704 χ^2/NDF : 1274967.5/22

+ sign 3864.026 $\pm$ 0.483 χ^2/NDF : 5591359.7/51

All: 3932.578 $\pm$ 0.343 χ^2/NDF : 10242637.9/102

- sign 4002.546 $\pm$ 0.487 χ^2/NDF : 4610491.0/55

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -479.091 ± 323.549 χ^2/NDF : 21.9/26

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 25.432 ± 308.380 χ^2/NDF : 31.6/32

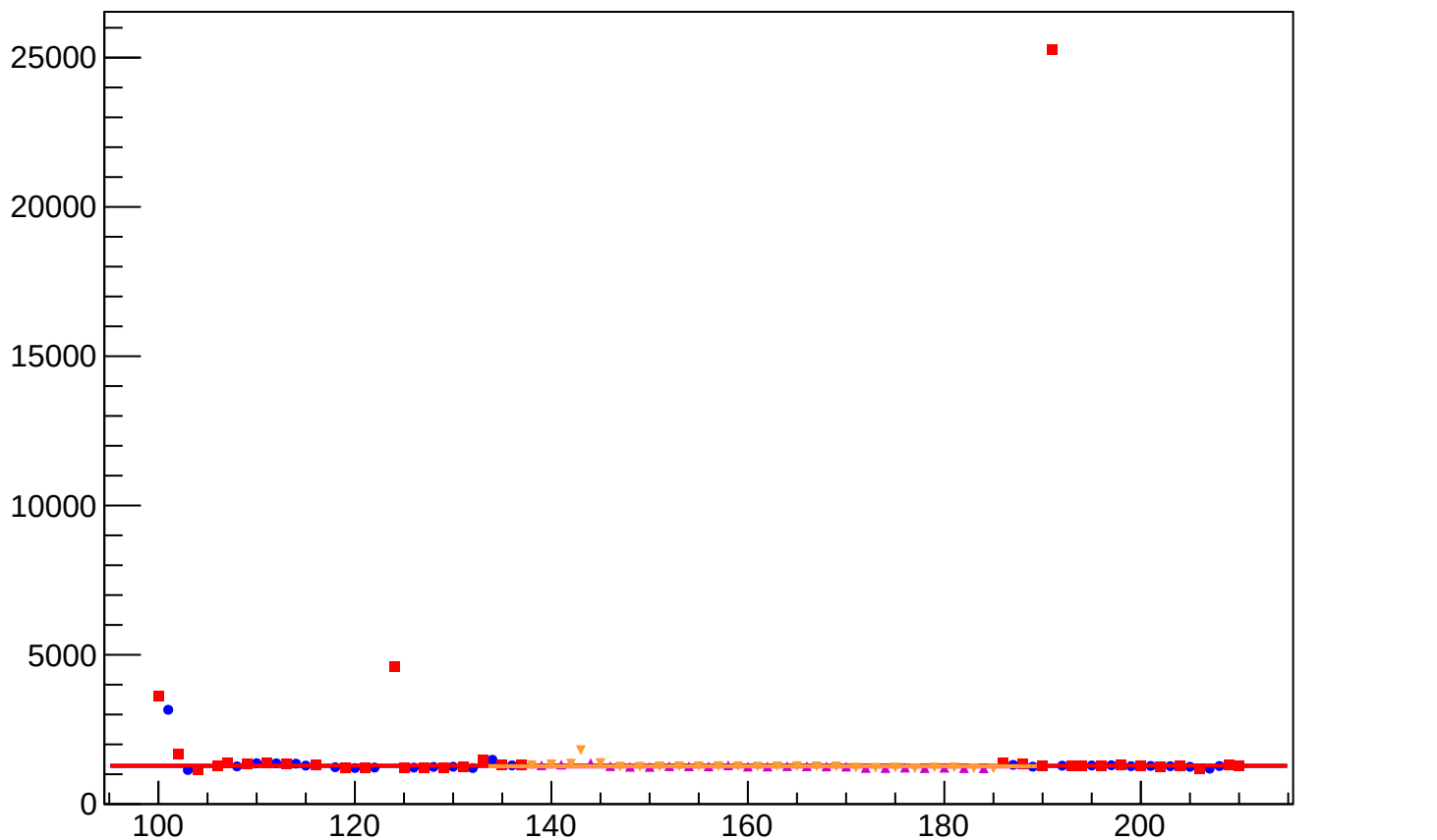
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 61.935 ± 215.328 χ^2/NDF : 73.8/51

All: 165.857 ± 151.323 χ^2/NDF : 121.4/107

- sign 267.263 ± 212.704 χ^2/NDF : 47.2/55

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1276.212 $\pm$ 0.229 χ^2 /NDF: 528343.0/26

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF:187545.6/24

Right Out: 1289.515 $\pm$ 0.218 χ^2 /NDF: 489554.9/32

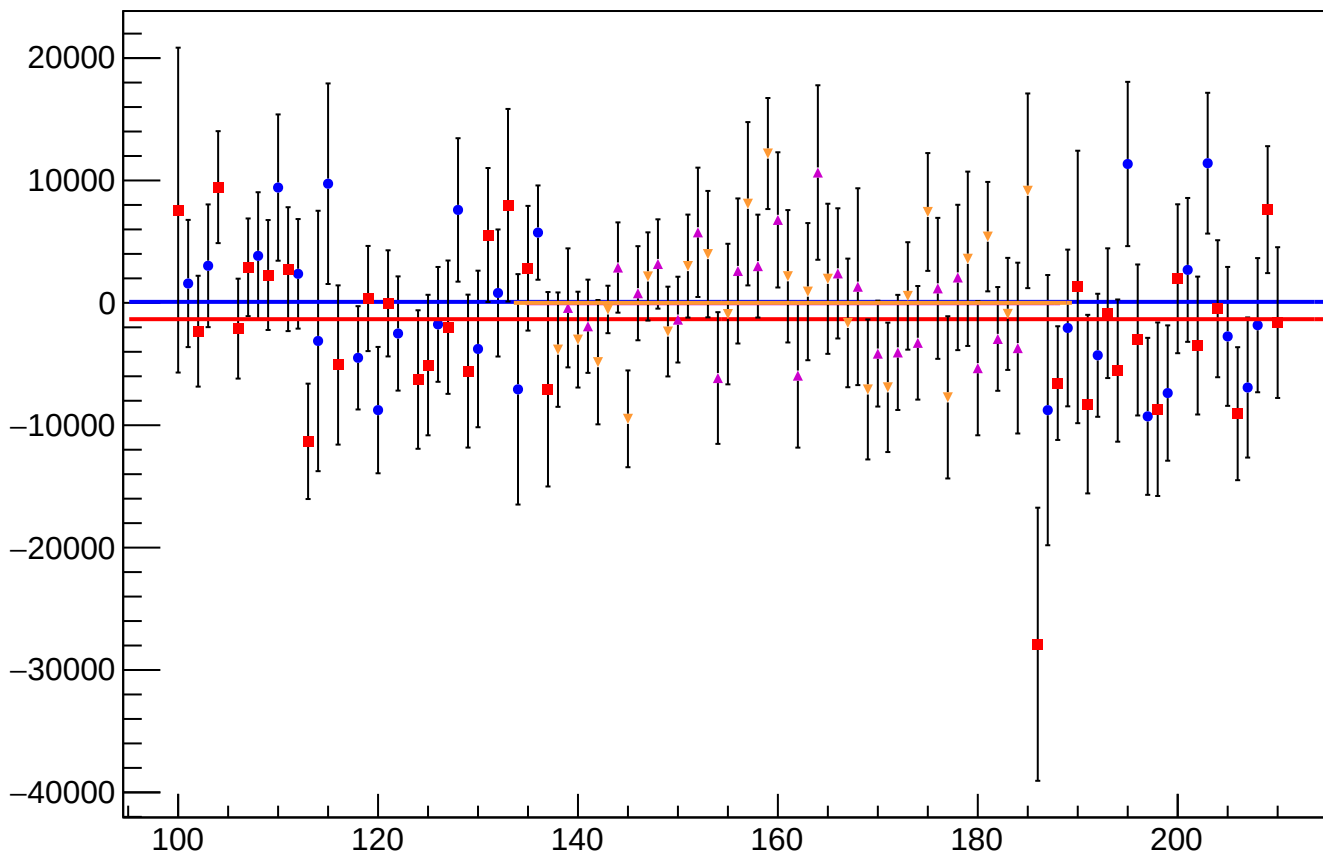
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF:36816.3/22

+ sign 1271.062 $\pm$ 0.152 χ^2 /NDF: 716798.2/51

All: 1271.927 $\pm$ 0.107 χ^2 /NDF: 1254506.5/10

- sign 1272.770 $\pm$ 0.150 χ^2 /NDF: 537644.6/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 80.325+/-1068.965 χ^2/NDF : 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF : 29.1/24

Right Out: -1334.126+/-955.729 χ^2/NDF : 34.4/32

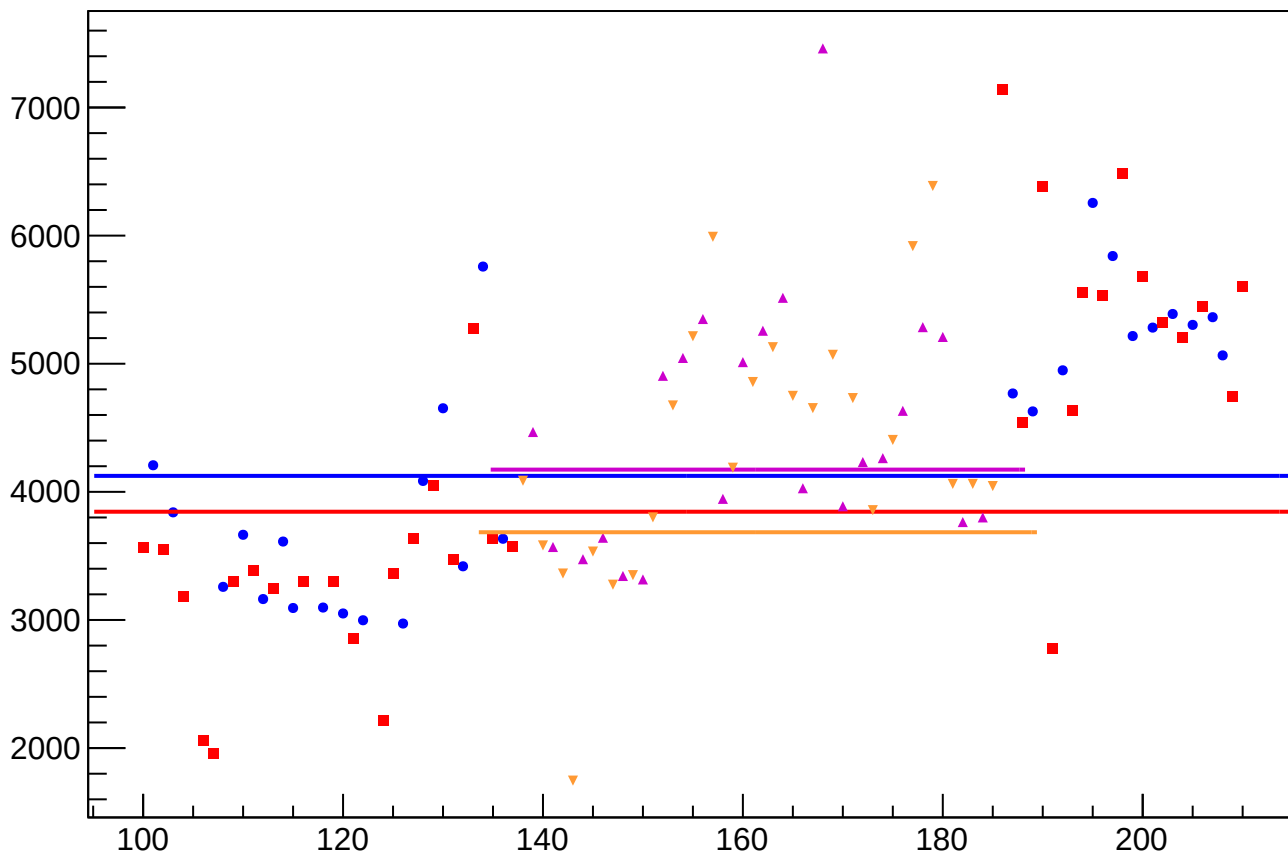
Left In: -31.597+/-995.347 χ^2/NDF : 14.0/22

+ sign 32.411+/-682.372 χ^2/NDF : 57.7/51

All: -334.653+/-484.970 χ^2/NDF : 107.7/107

- sign -709.299+/-689.383 χ^2/NDF : 49.4/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 4124.687 $\pm$ 0.756 χ^2 /NDF: 1696967.8/26

Left Out: 3684.762 $\pm$ 0.627 χ^2 /NDF: 3693687.2/24

Right Out: 3844.885 $\pm$ 0.676 χ^2 /NDF: 3222064.1/32

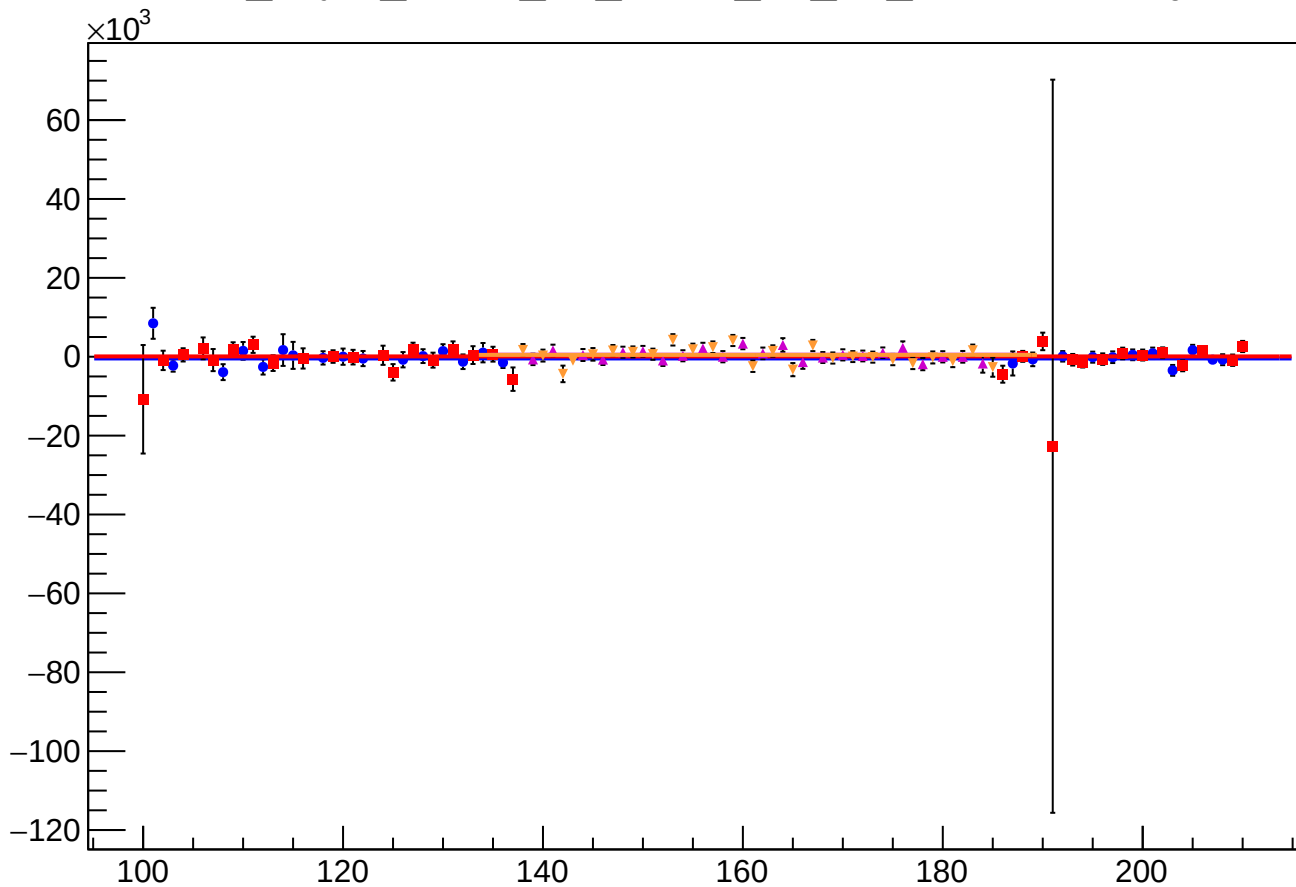
Left In: 4173.550 $\pm$ 0.704 χ^2 /NDF: 1274967.5/22

+ sign 3864.026 $\pm$ 0.483 χ^2 /NDF: 5591359.7/51

All: 3932.578 $\pm$ 0.343 χ^2 /NDF: 10242637.9/102

- sign 4002.546 $\pm$ 0.487 χ^2 /NDF: 4610491.0/55

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -436.980 ± 328.073 χ^2/NDF : 23.3/26

Left Out: 467.929 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 78.986 ± 310.702 χ^2/NDF : 32.7/32

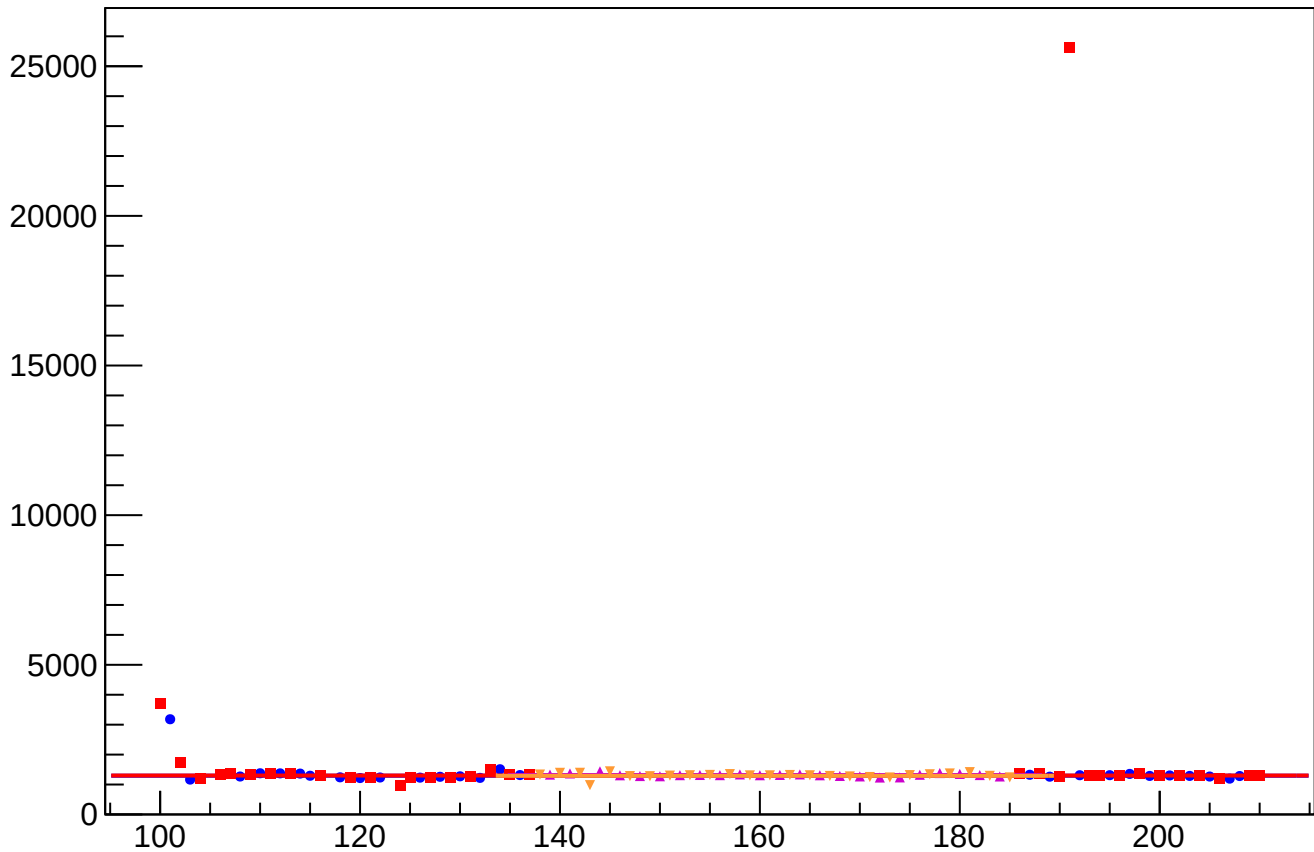
Left In: 503.558 ± 307.055 χ^2/NDF : 17.4/22

+ sign 64.500 ± 219.054 χ^2/NDF : 71.6/51

All: 179.483 ± 154.662 χ^2/NDF : 123.2/107

- sign 293.778 ± 218.399 χ^2/NDF : 51.0/55

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF : 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF : 230735.1/24

Right Out: 1300.541+/-0.220 χ^2/NDF : 378271.1/32

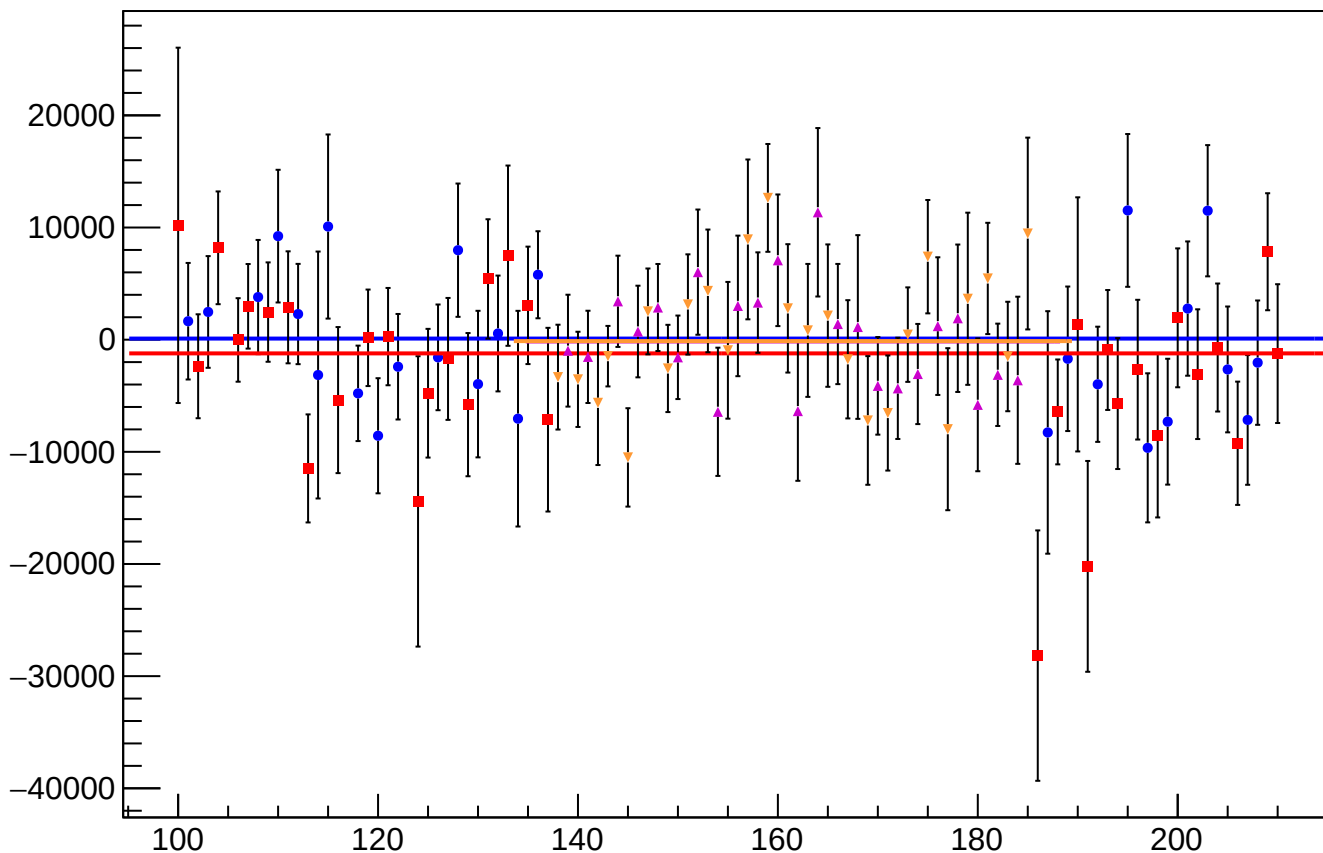
Left In: 1314.006+/-0.217 χ^2/NDF : 43044.7/22

+ sign 1292.414+/-0.155 χ^2/NDF : 759741.3/51

All: 1299.906+/-0.109 χ^2/NDF : 1187622.0/10

- sign 1307.351+/-0.154 χ^2/NDF : 423216.7/55

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug



Right In: 98.258+/-1074.950 χ^2/NDF : 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF : 28.6/24

Right Out: -1222.828+/-971.813 χ^2/NDF : 36.2/32

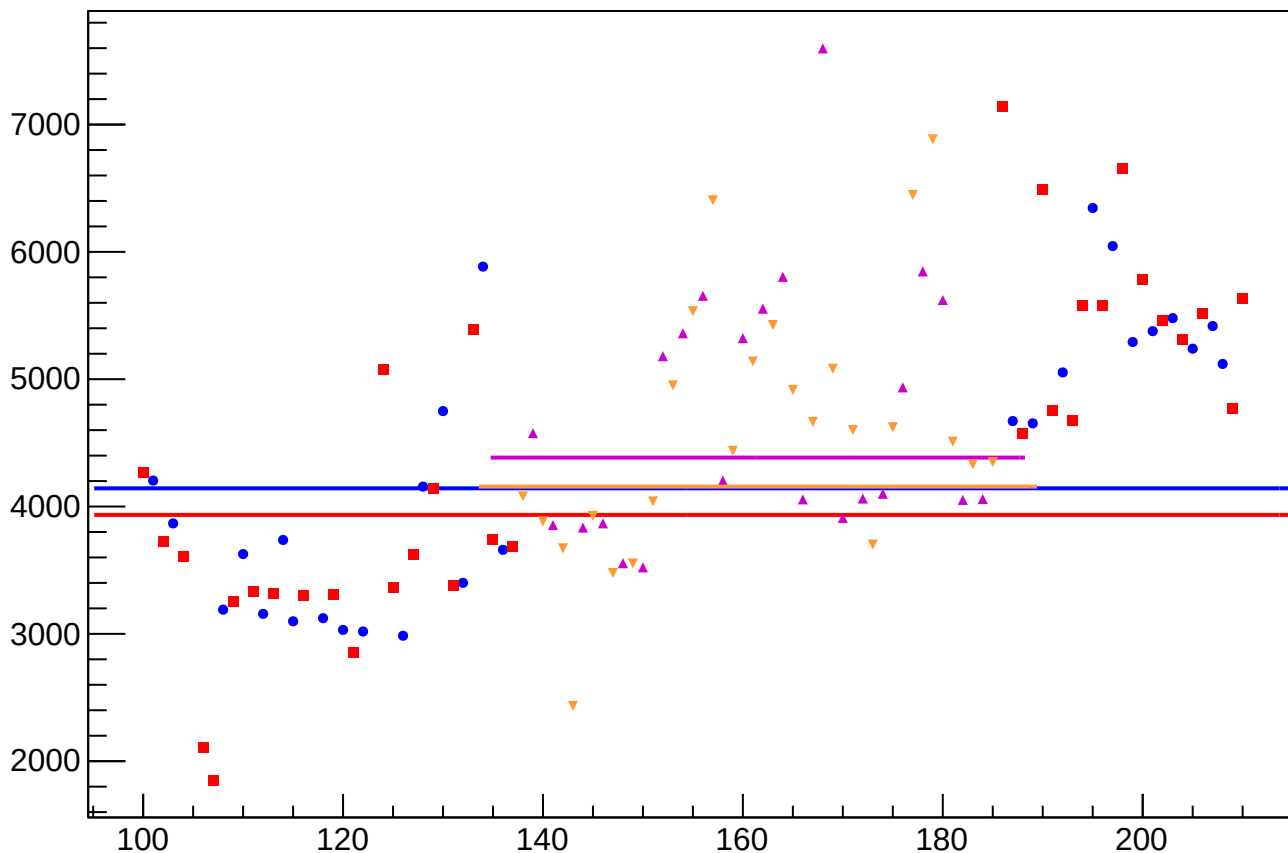
Left In: -159.452+/-1045.510 χ^2/NDF : 13.8/22

+ sign -25.222+/-723.091 χ^2/NDF : 57.0/51

All: -383.122+/-507.265 χ^2/NDF : 108.1/107

- sign -729.936+/-711.804 χ^2/NDF : 50.5/55

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug



Right In: 4143.082+/-0.760 χ^2/NDF : 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF : 2080766.1/24

Right Out: 3934.090+/-0.687 χ^2/NDF : 3271126.2/32

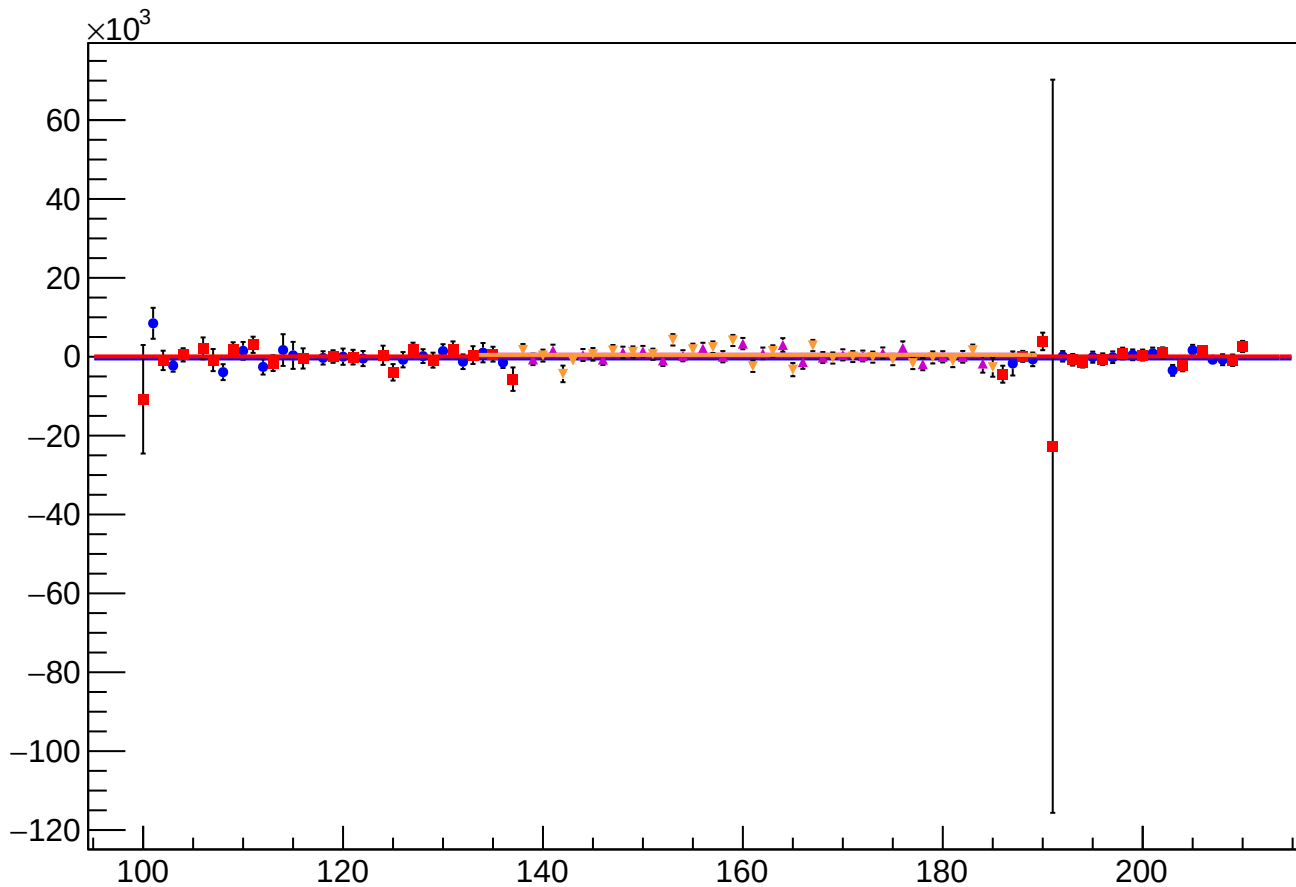
Left In: 4384.323+/-0.739 χ^2/NDF : 1255470.8/22

+ sign 4150.473+/-0.511 χ^2/NDF : 3866181.9/51

All: 4146.566+/-0.359 χ^2/NDF : 8591871.7/10

- sign 4142.780+/-0.503 χ^2/NDF : 4725574.8/55

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -436.981 ± 328.073 χ^2/NDF : 23.3/26

Left Out: 467.933 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 78.987 ± 310.702 χ^2/NDF : 32.7/32

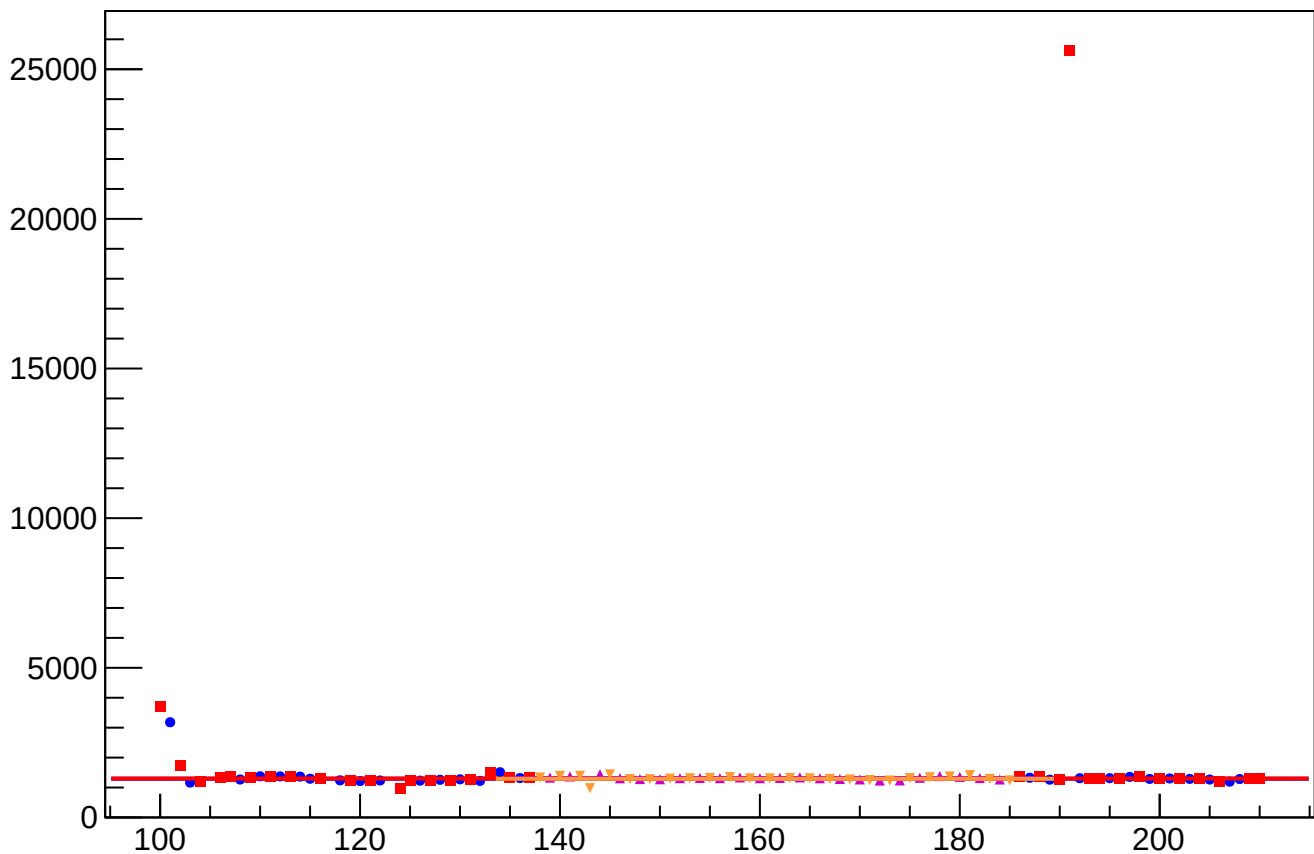
Left In: 503.558 ± 307.056 χ^2/NDF : 17.4/22

+ sign 64.501 ± 219.054 χ^2/NDF : 71.6/51

All: 179.483 ± 154.663 χ^2/NDF : 123.2/107

- sign 293.779 ± 218.399 χ^2/NDF : 51.0/55

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF : 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF : 230737.6/24

Right Out: 1300.541+/-0.220 χ^2/NDF : 378271.2/32

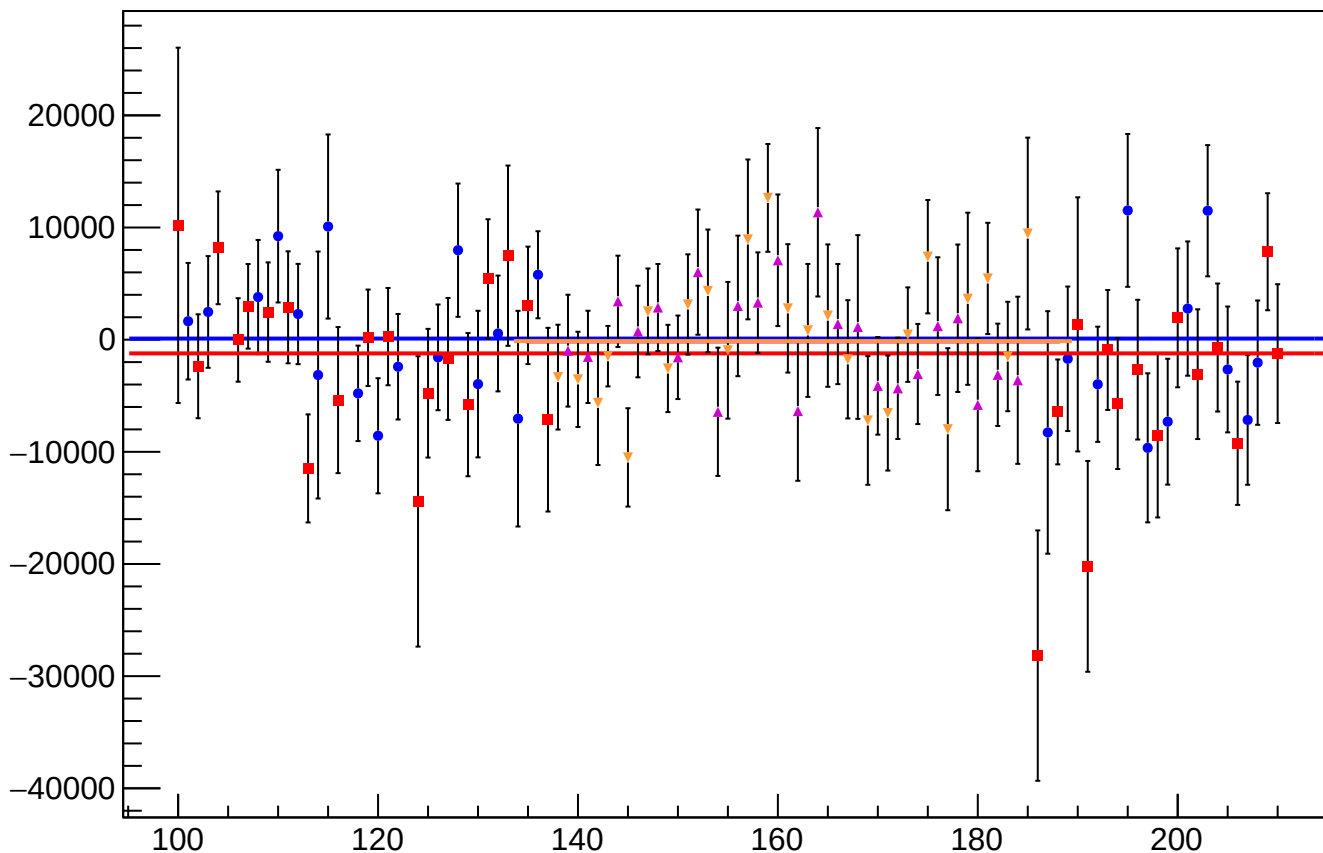
Left In: 1314.007+/-0.217 χ^2/NDF : 43046.8/22

+ sign 1292.415+/-0.155 χ^2/NDF : 759743.7/51

All: 1299.907+/-0.109 χ^2/NDF : 1187627.1/10

- sign 1307.351+/-0.154 χ^2/NDF : 423219.3/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 98.254+/-1074.949 χ^2/NDF : 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF : 28.6/24

Right Out: -1222.822+/-971.812 χ^2/NDF : 36.2/32

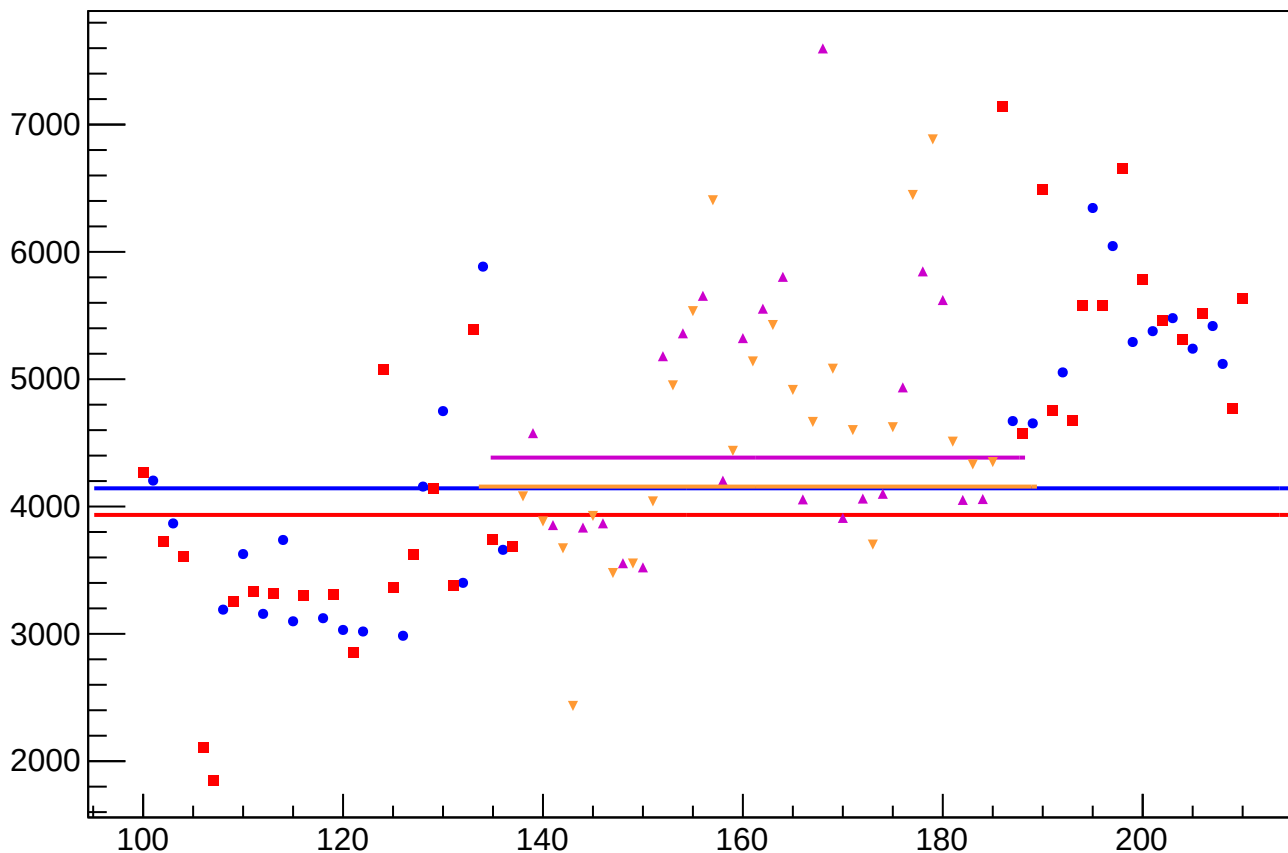
Left In: -159.454+/-1045.511 χ^2/NDF : 13.8/22

+ sign -25.223+/-723.091 χ^2/NDF : 57.0/51

All: -383.121+/-507.265 χ^2/NDF : 108.1/107

- sign -729.934+/-711.805 χ^2/NDF : 50.5/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 4143.076 $\pm$ 0.760 χ^2 /NDF: 1785274.0/26

Left Out: 4156.588 $\pm$ 0.691 χ^2 /NDF: 2080769.0/24

Right Out: 3934.084 $\pm$ 0.687 χ^2 /NDF: 3271158.9/32

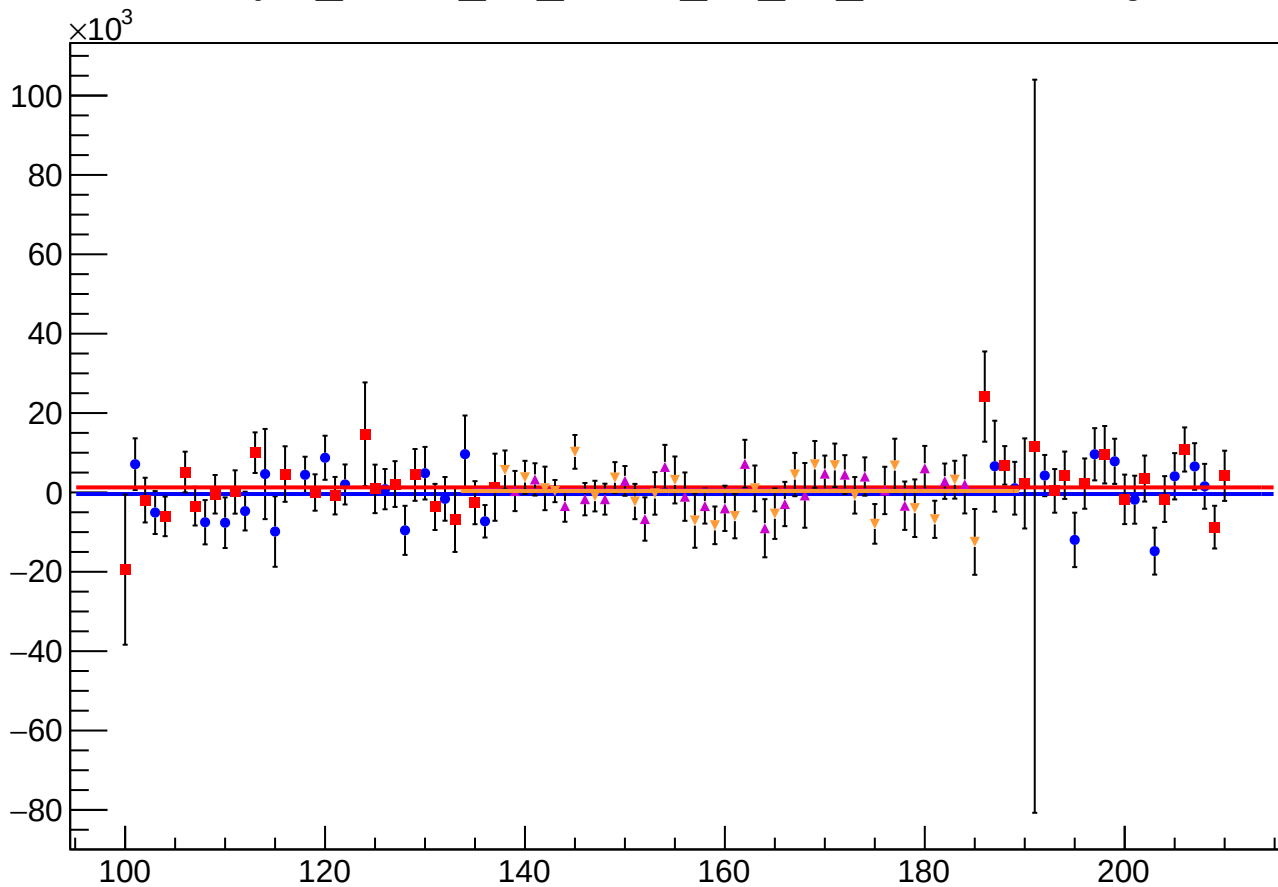
Left In: 4384.329 $\pm$ 0.739 χ^2 /NDF: 1255475.0/22

+ sign 4150.474 $\pm$ 0.511 χ^2 /NDF: 3866216.0/51

All: 4146.566 $\pm$ 0.359 χ^2 /NDF: 8591953.8/10

- sign 4142.780 $\pm$ 0.503 χ^2 /NDF: 4725622.8/55

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -403.476 ± 1135.087 χ^2/NDF : 34.5/26

Left Out: 362.528 ± 979.860 χ^2/NDF : 27.7/24

Right Out: 1265.657 ± 1053.627 χ^2/NDF : 26.5/32

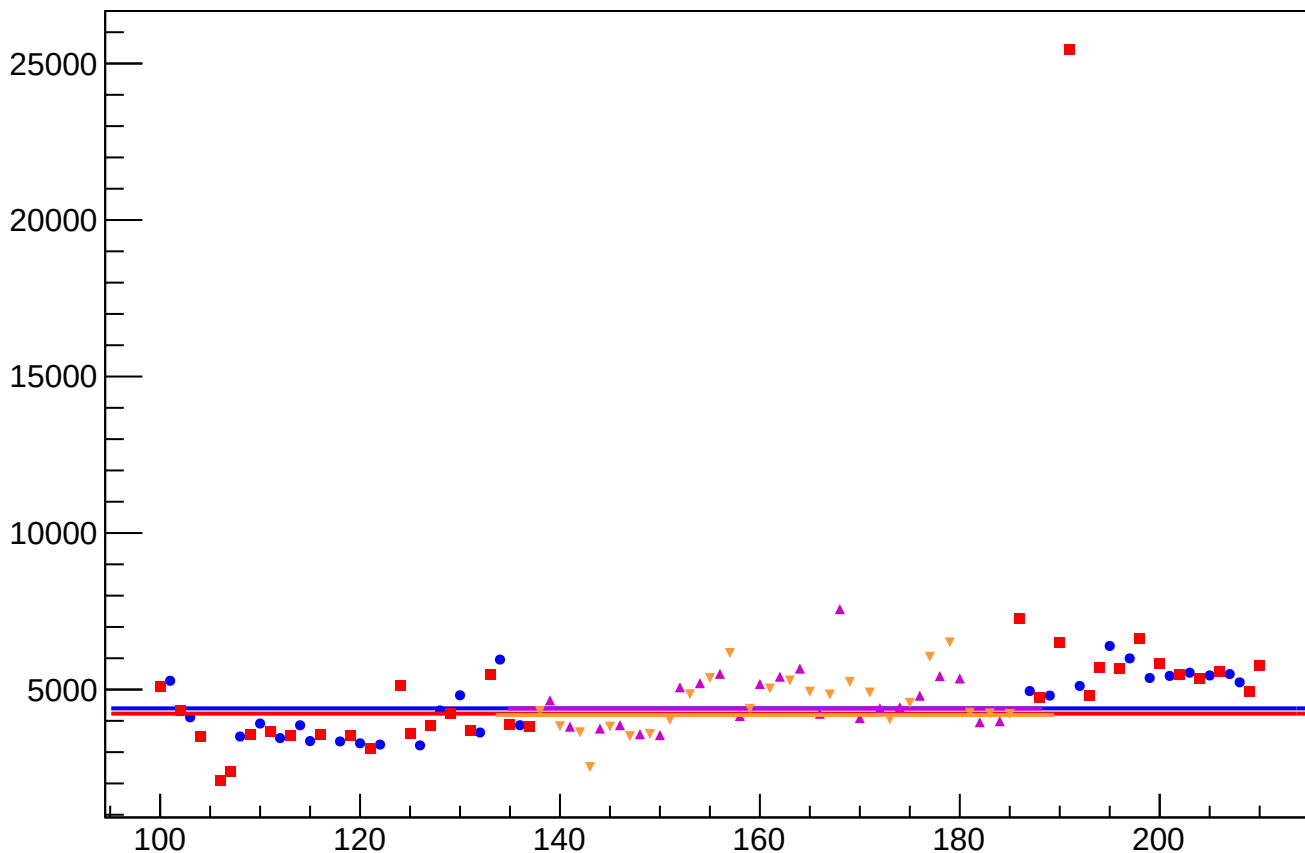
Left In: 497.522 ± 1044.707 χ^2/NDF : 13.9/22

+ sign 35.446 ± 741.724 χ^2/NDF : 62.5/51

All: 456.811 ± 524.524 χ^2/NDF : 103.8/107

- sign 878.324 ± 741.853 χ^2/NDF : 40.7/55

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4398.565+/-0.803 χ^2/NDF : 1456003.4/26

Left Out: 4187.848+/-0.693 χ^2/NDF : 1796345.9/24

Right Out: 4230.980+/-0.739 χ^2/NDF : 2610927.4/32

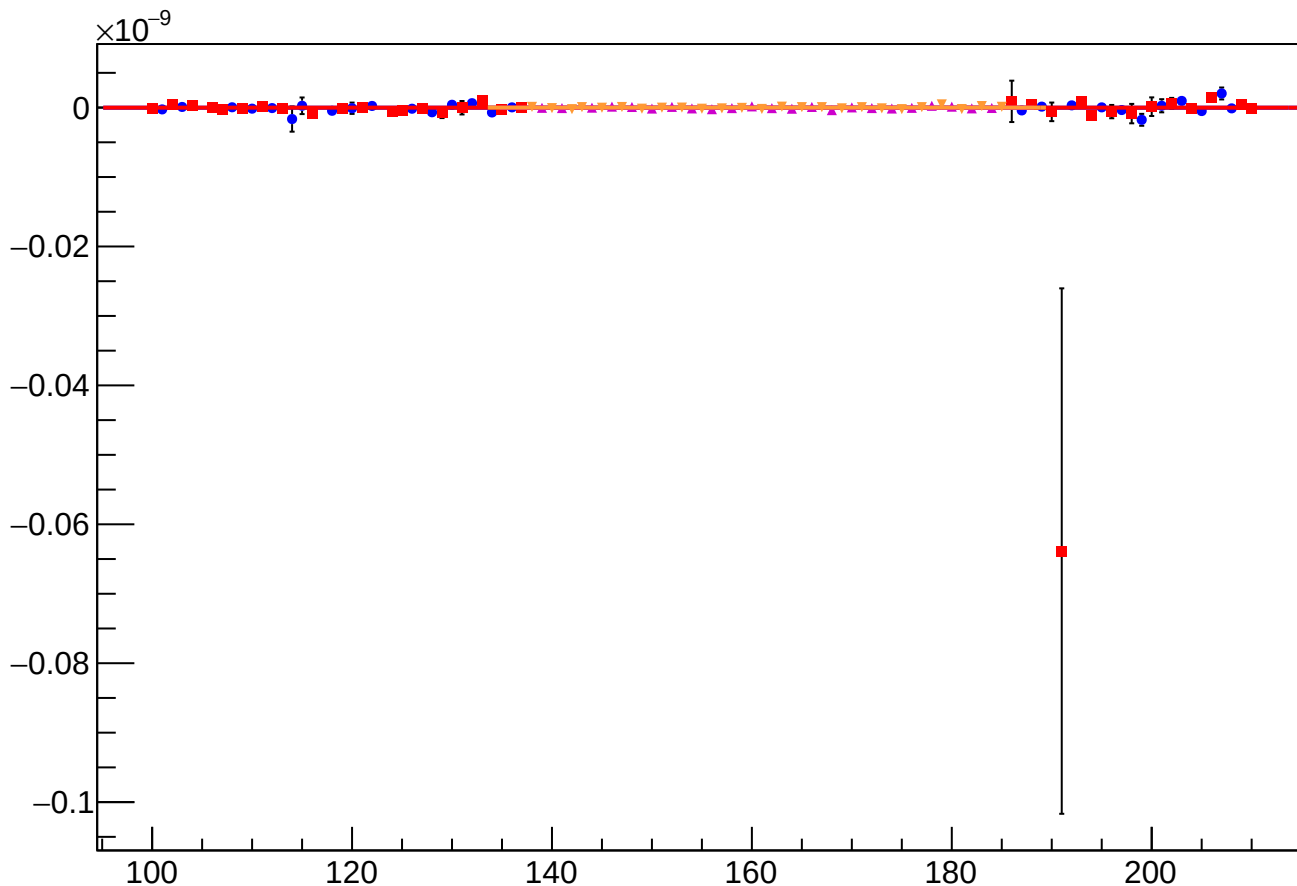
Left In: 4394.324+/-0.739 χ^2/NDF : 1088394.9/22

+ sign 4277.825+/-0.524 χ^2/NDF : 3291843.3/51

All: 4295.306+/-0.370 χ^2/NDF : 7017827.0/10

- sign 4312.646+/-0.522 χ^2/NDF : 3723770.7/55

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2 /NDF: 30.5/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 34.0/32

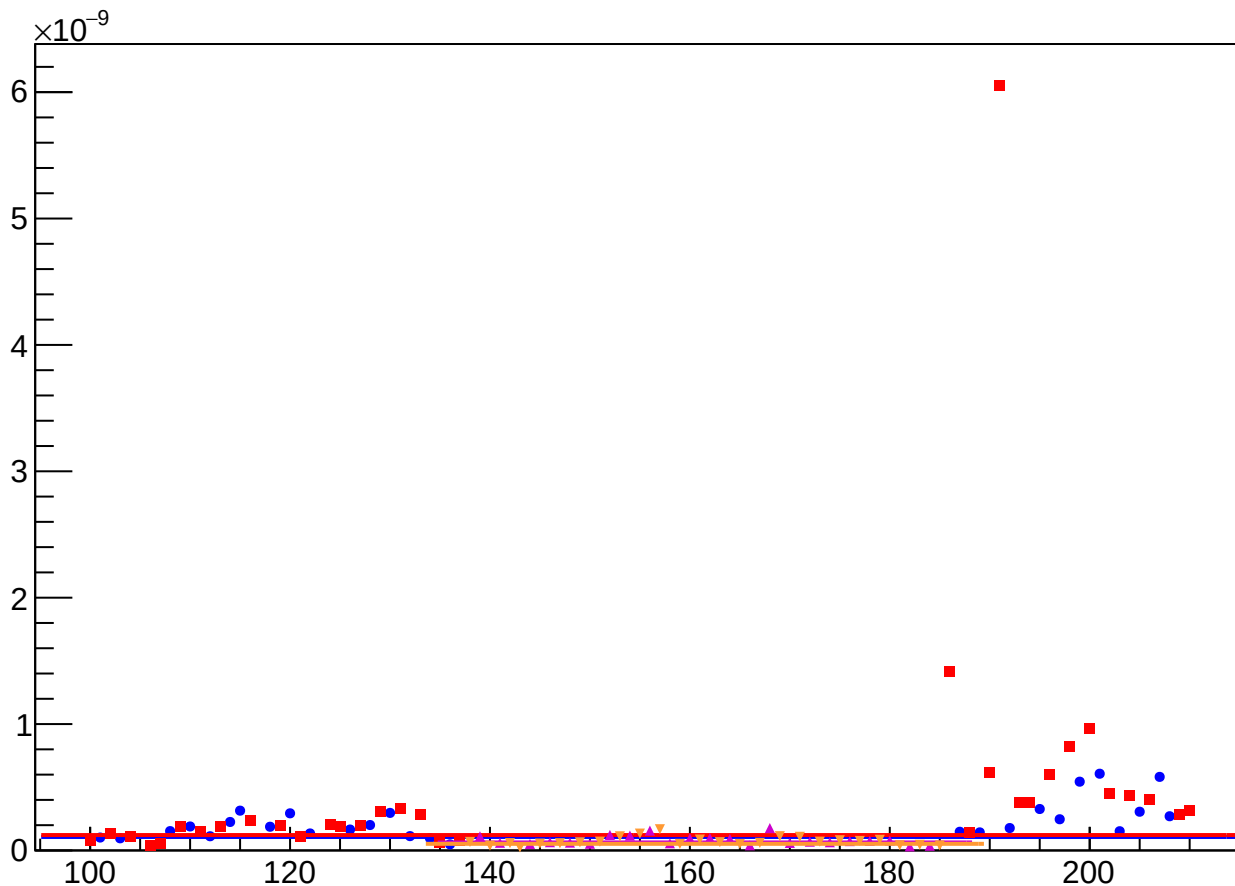
Left In: -0.000+/-0.000 χ^2 /NDF: 17.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 64.9/51

All: -0.000+/-0.000 χ^2 /NDF: 116.1/107

- sign -0.000+/-0.000 χ^2 /NDF: 51.0/55

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4277731.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6903744.1/32

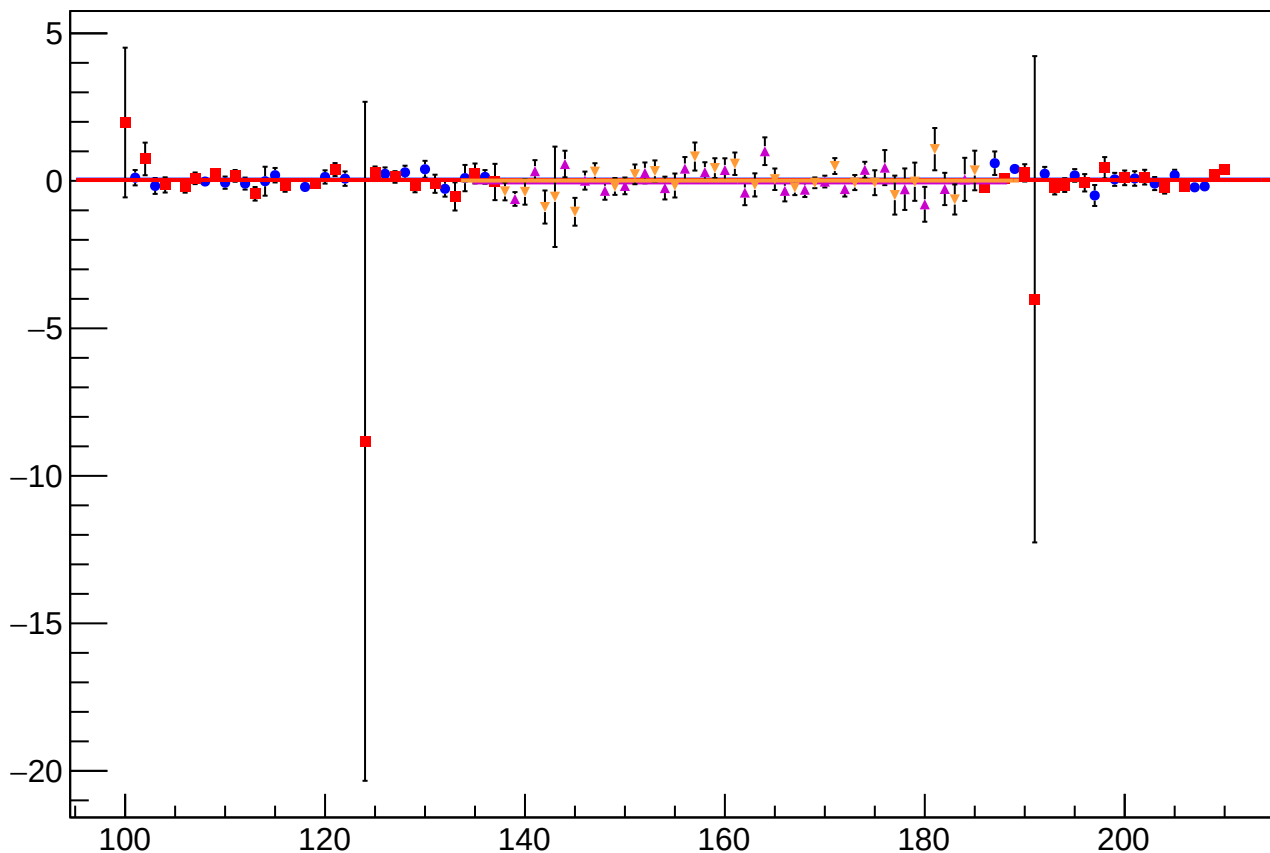
Left In: 0.000+/-0.000 χ^2/NDF : 1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 8562393.4/51

All: 0.000+/-0.000 χ^2/NDF : 19177365.0/107

- sign 0.000+/-0.000 χ^2/NDF : 10291343.2/55

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.042 ± 0.042 χ^2/NDF : 26.7/26

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.028 ± 0.037 χ^2/NDF : 39.8/32

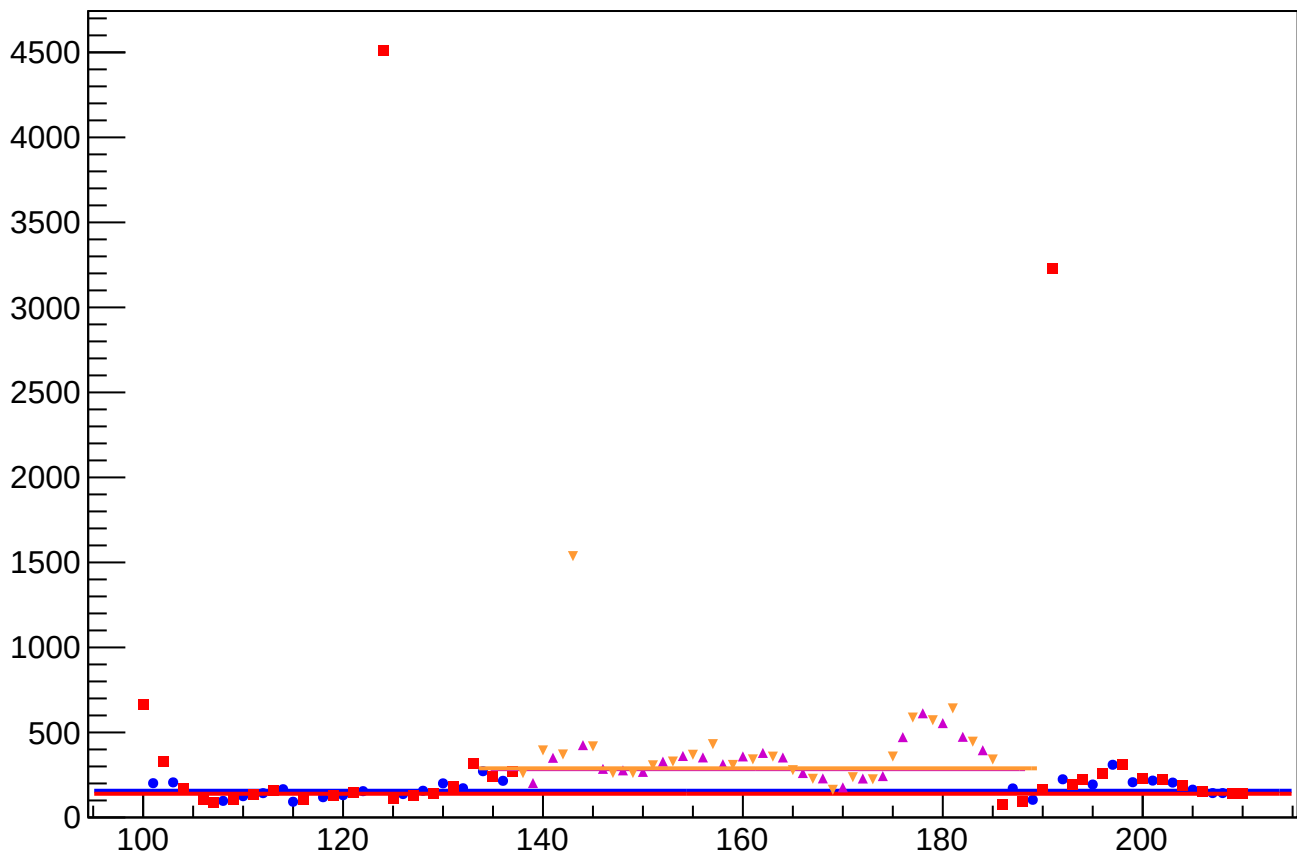
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.033 ± 0.036 χ^2/NDF : 55.8/51

All: 0.021 ± 0.024 χ^2/NDF : 124.6/107

- sign 0.011 ± 0.032 χ^2/NDF : 68.6/55

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 157.039 $\pm$ 0.030 χ^2 /NDF: 2252194.5/26

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648197.0/24

Right Out: 139.371 $\pm$ 0.026 χ^2 /NDF: 4675066.3/32

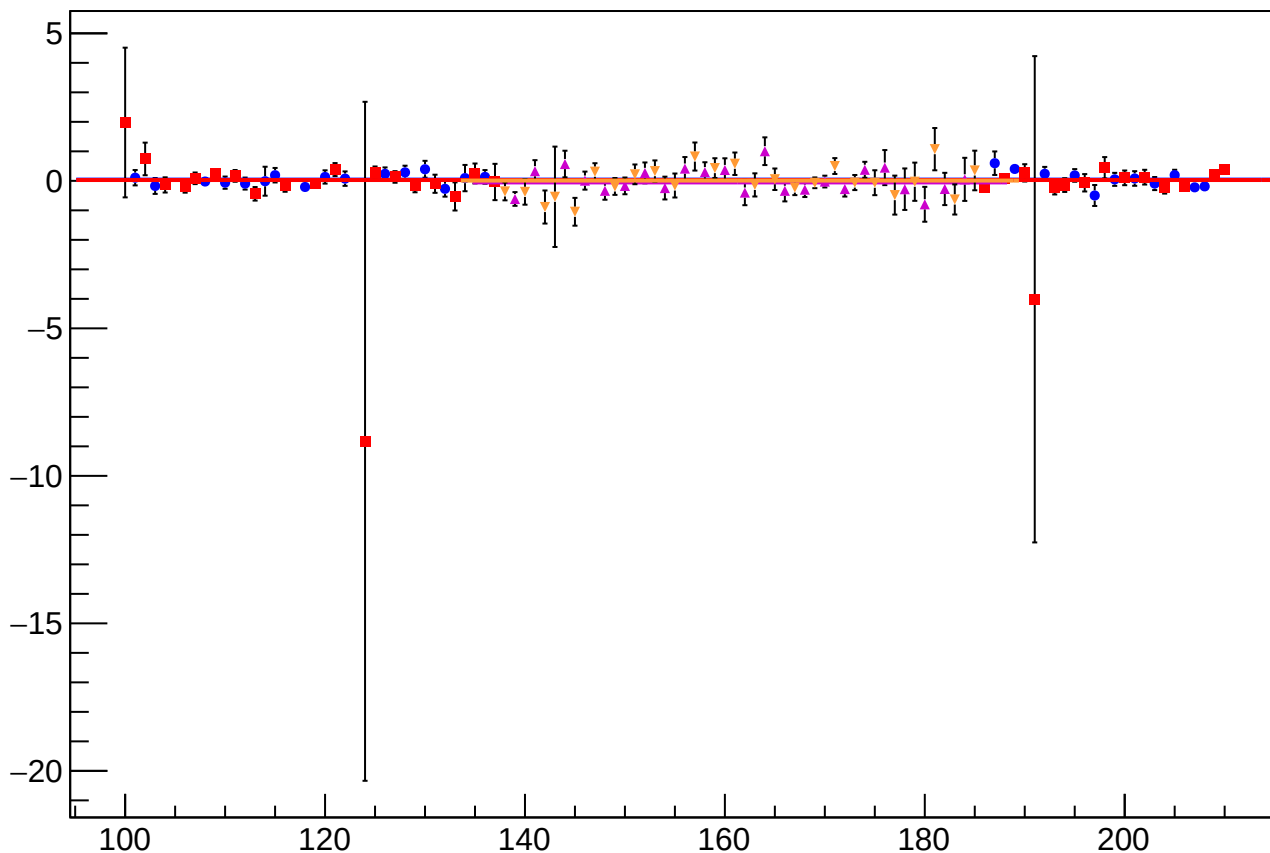
Left In: 284.168 $\pm$ 0.050 χ^2 /NDF: 3077521.1/22

+ sign 191.142 $\pm$ 0.026 χ^2 /NDF: 12013966.7/51

All: 179.477 $\pm$ 0.017 χ^2 /NDF: 26809042.7/10

- sign 170.076 $\pm$ 0.023 χ^2 /NDF: 14418235.8/55

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042 ± 0.042 χ^2/NDF : 26.7/26

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.028 ± 0.037 χ^2/NDF : 39.8/32

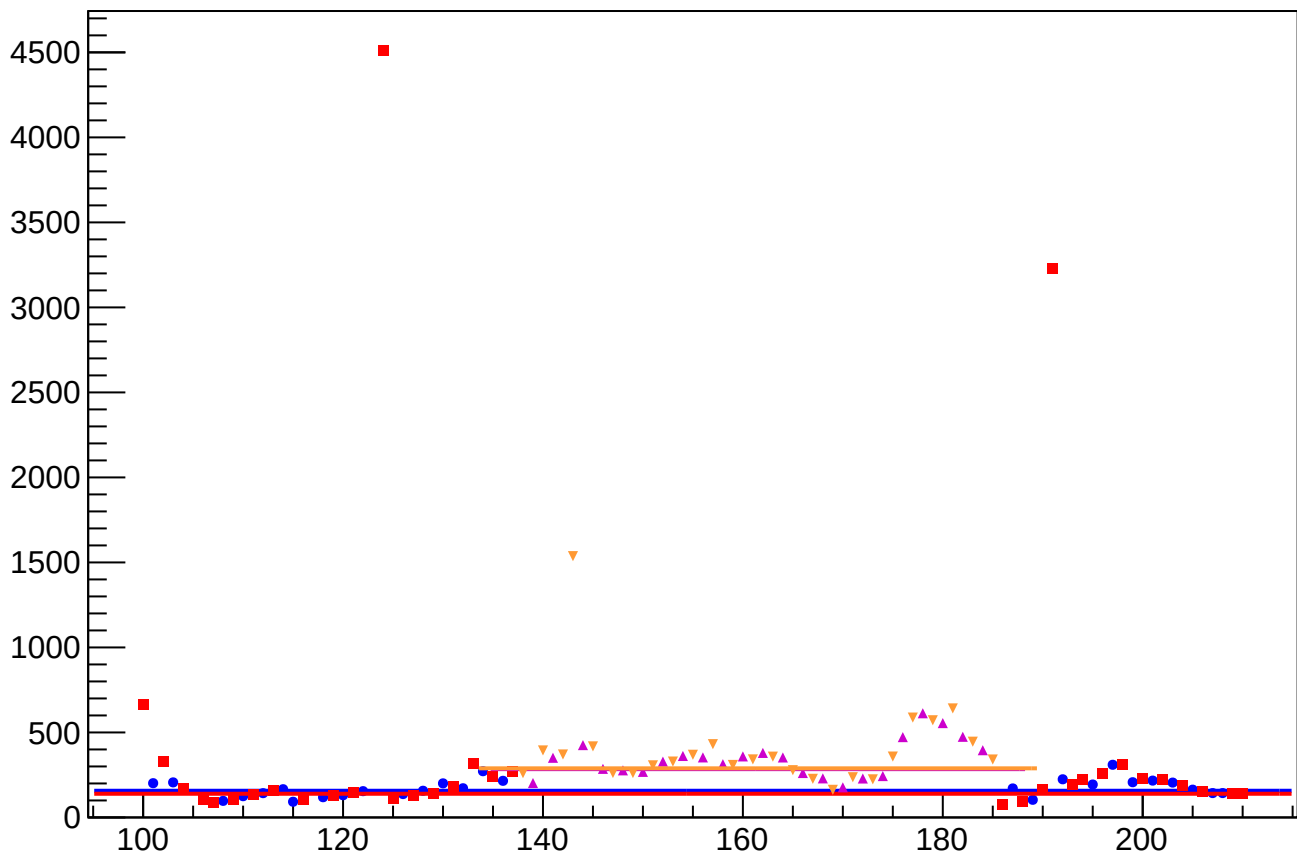
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.033 ± 0.036 χ^2/NDF : 55.8/51

All: 0.021 ± 0.024 χ^2/NDF : 124.6/107

- sign 0.011 ± 0.032 χ^2/NDF : 68.6/55

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 157.039+/-0.030 χ^2/NDF : 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 139.371+/-0.026 χ^2/NDF : 4675066.3/32

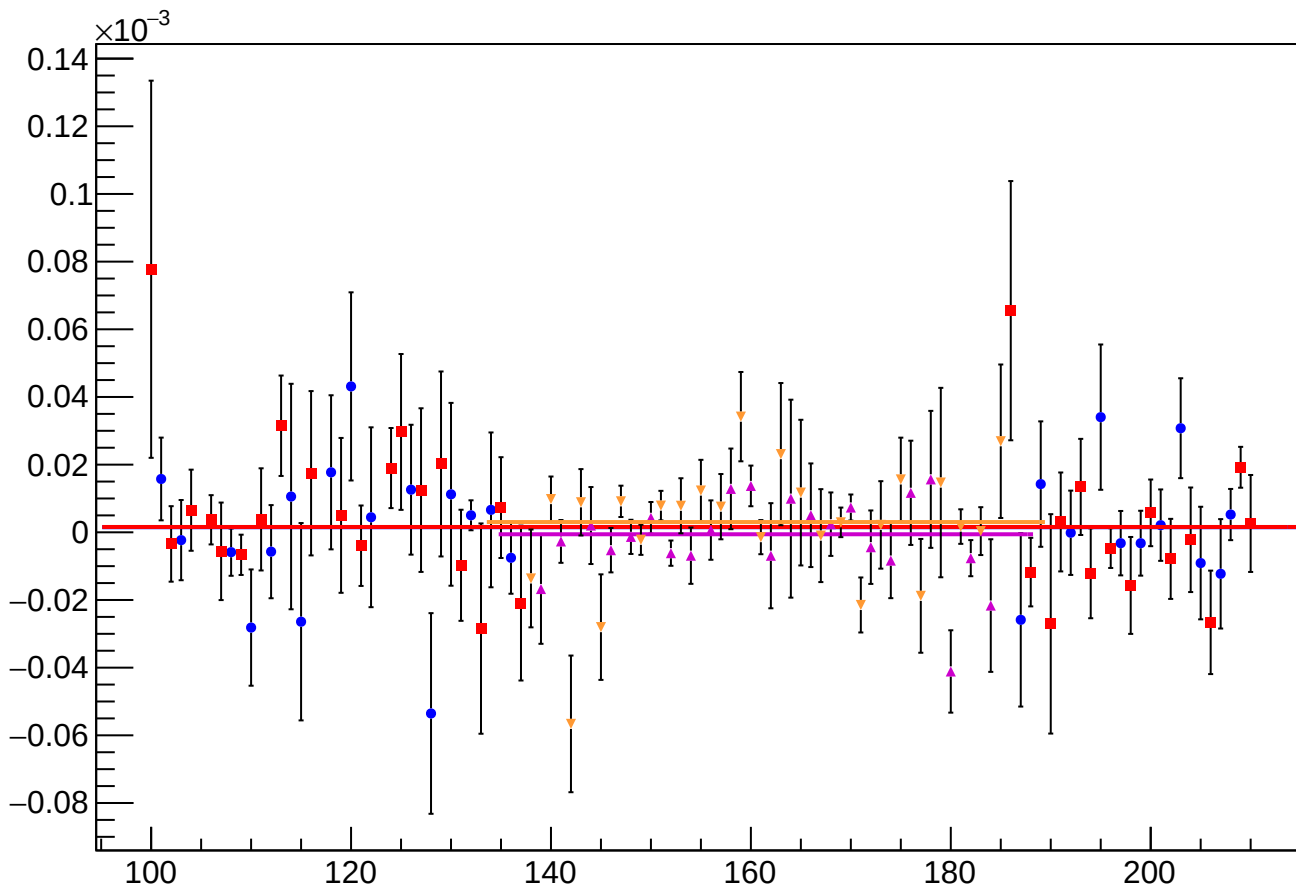
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF : 12013966.7/51

All: 179.477+/-0.017 χ^2/NDF : 26809042.7/10

- sign 170.076+/-0.023 χ^2/NDF : 14418235.8/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.6/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.5/32

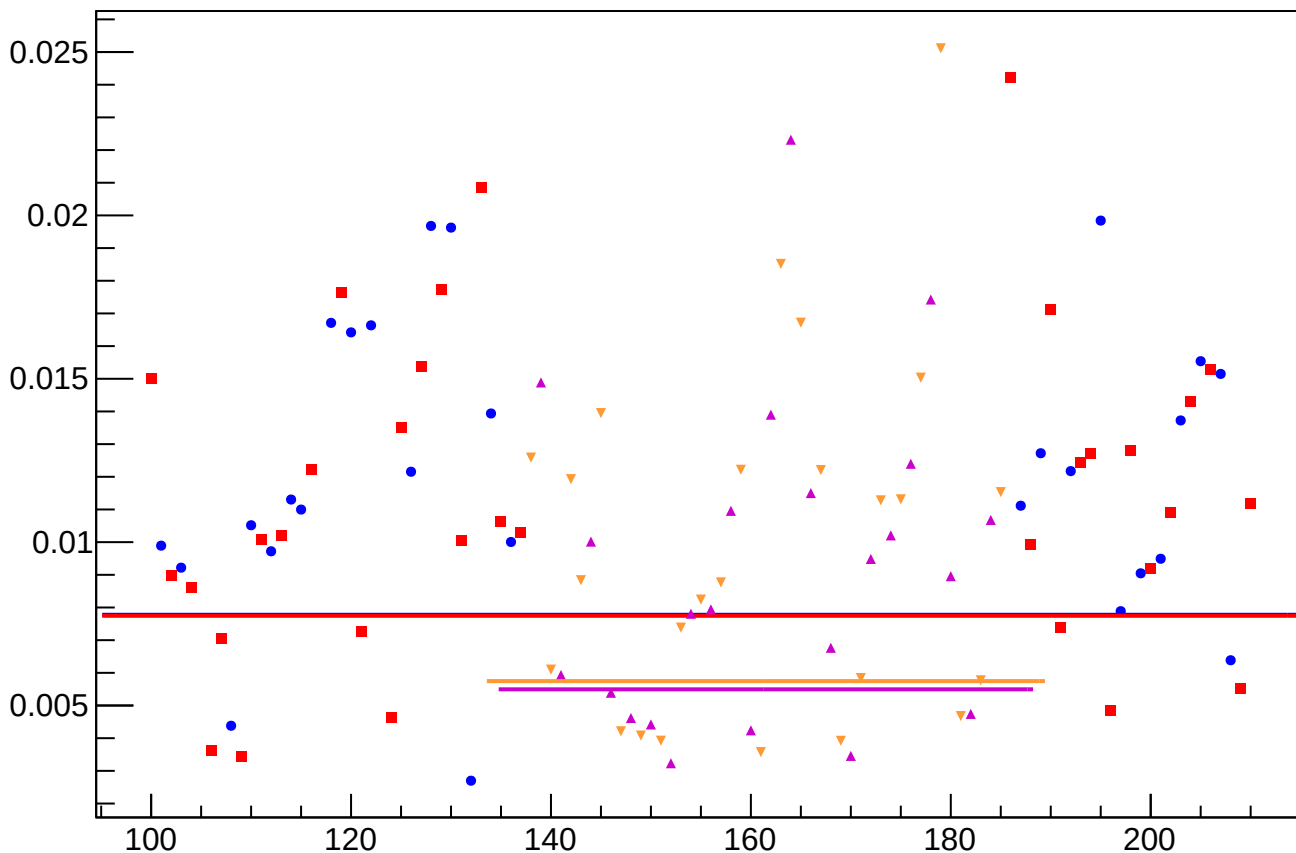
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67.2/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 141.4/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 72.4/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7487309.9/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:8128513.8/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 6826417.1/32

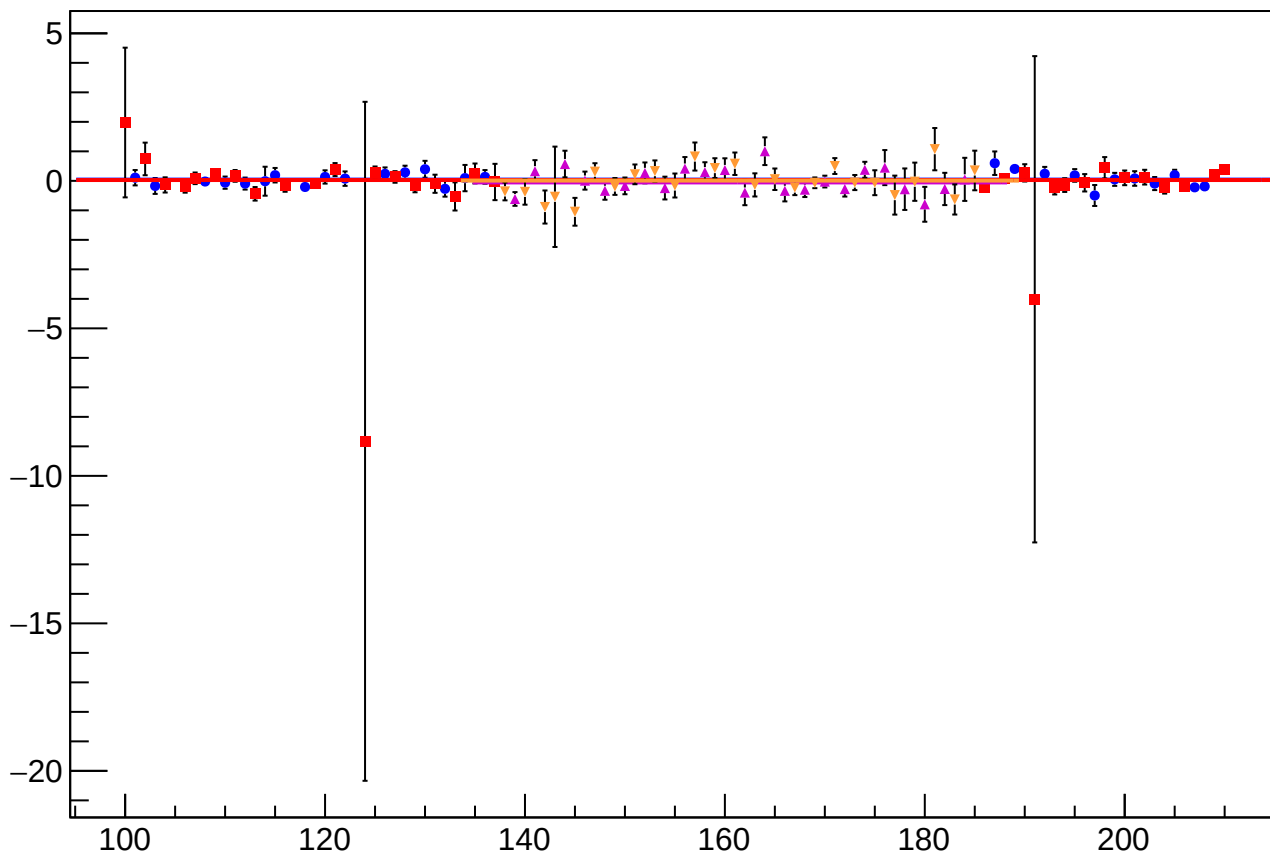
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:6937299.0/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 16702957.4/51

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 31991497.7/107

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 15282559.7/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.042 ± 0.042 χ^2/NDF : 26.7/26

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.028 ± 0.037 χ^2/NDF : 39.8/32

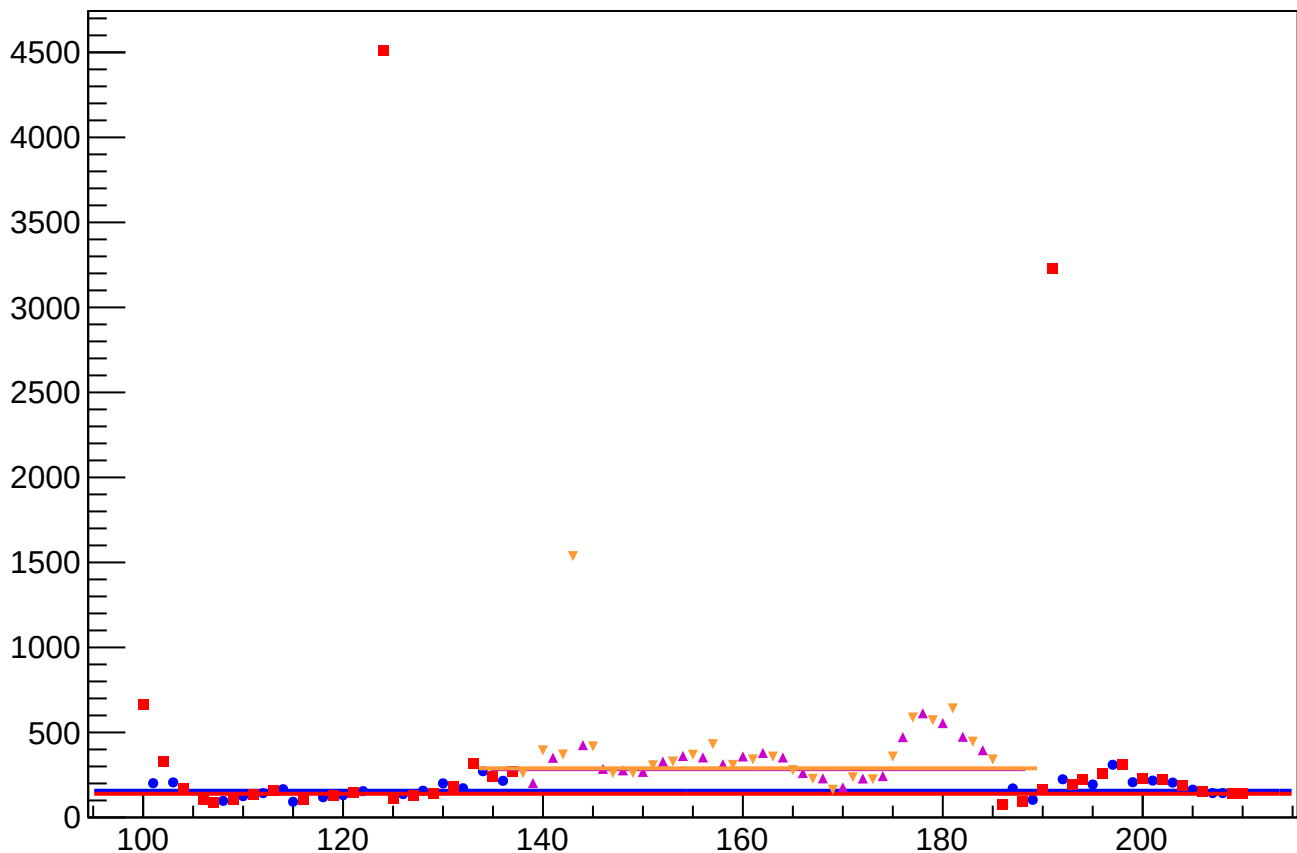
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.033 ± 0.036 χ^2/NDF : 55.8/51

All: 0.021 ± 0.024 χ^2/NDF : 124.6/107

- sign 0.011 ± 0.032 χ^2/NDF : 68.6/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 157.039+/-0.030 χ^2/NDF : 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 139.373+/-0.026 χ^2/NDF : 4674905.7/32

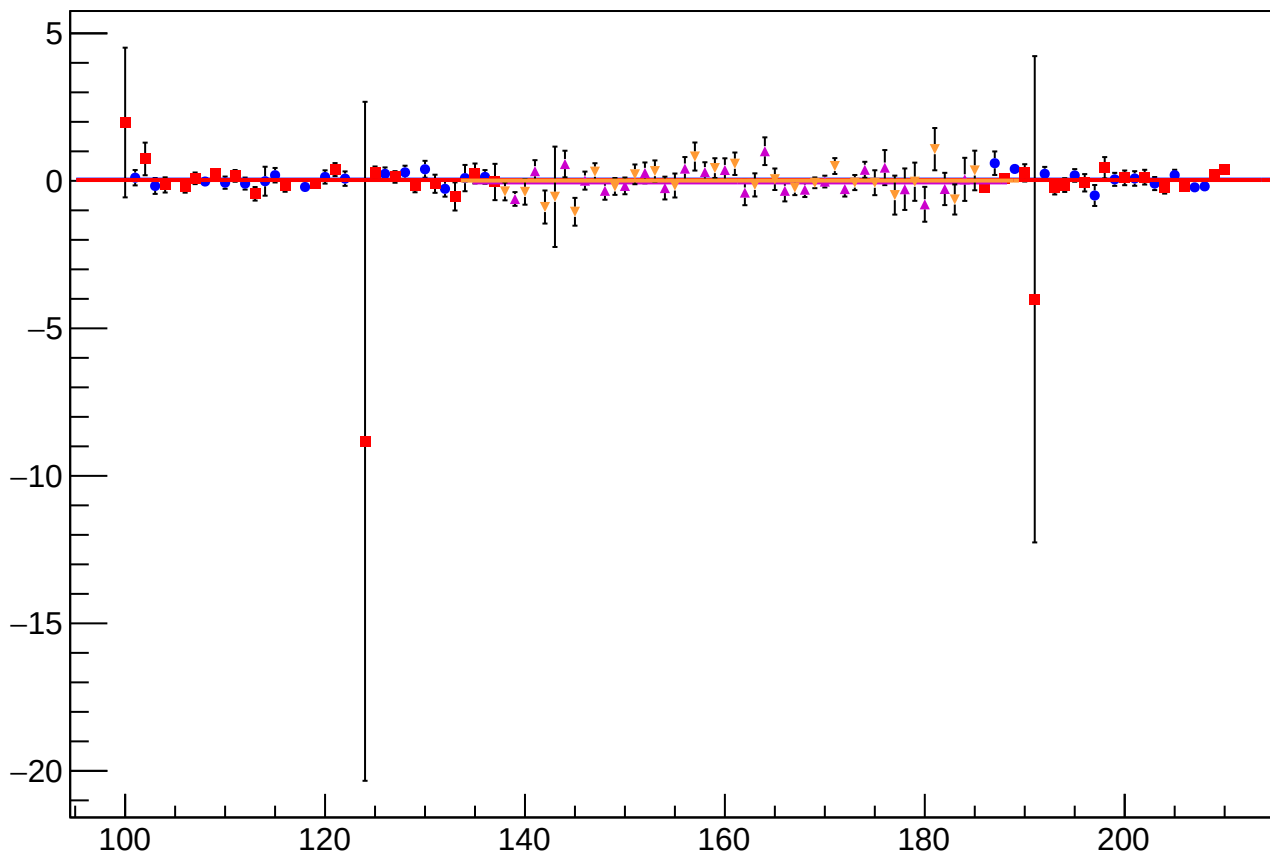
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF : 12014123.2/51

All: 179.478+/-0.017 χ^2/NDF : 26808956.5/10

- sign 170.078+/-0.023 χ^2/NDF : 14418060.8/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042 ± 0.042 χ^2/NDF : 26.7/26

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.028 ± 0.037 χ^2/NDF : 39.8/32

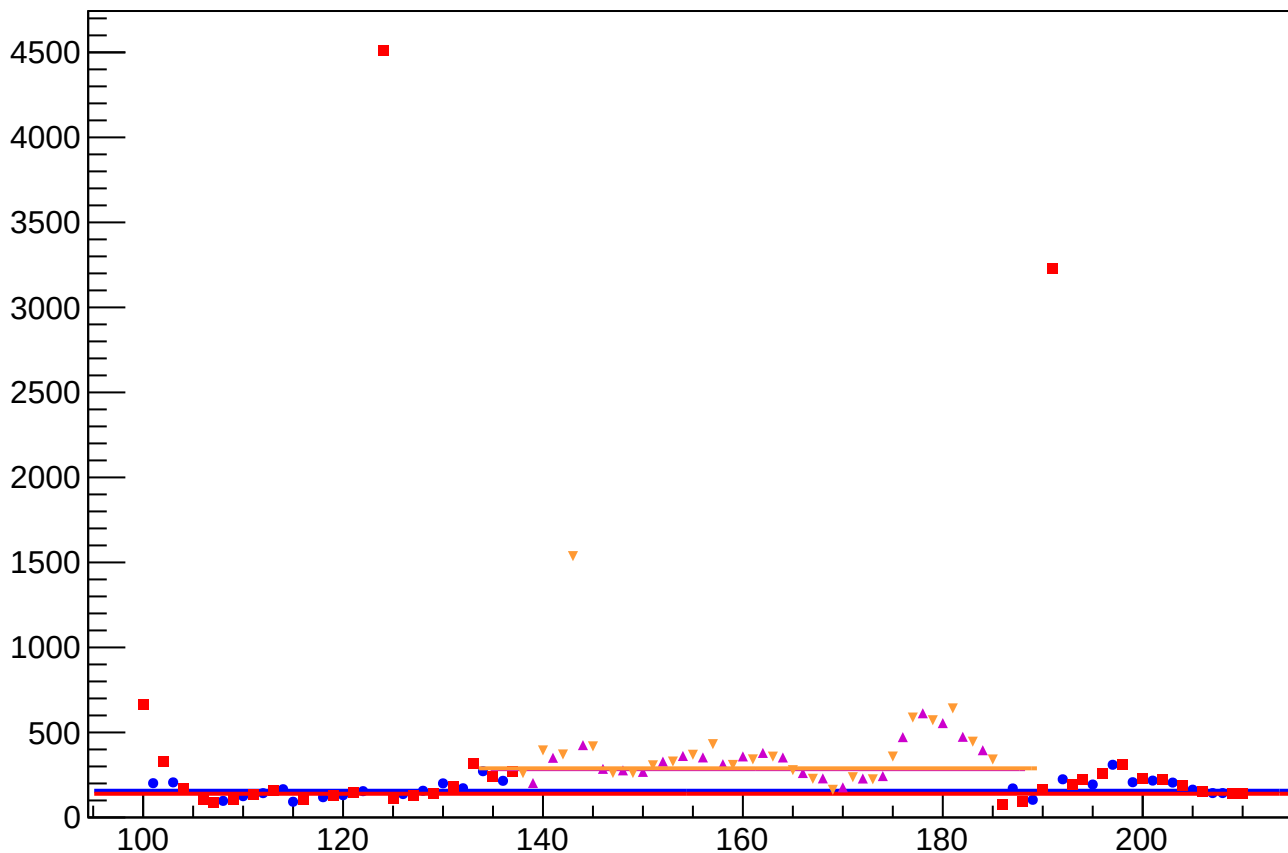
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.033 ± 0.036 χ^2/NDF : 55.8/51

All: 0.021 ± 0.024 χ^2/NDF : 124.6/107

- sign 0.011 ± 0.032 χ^2/NDF : 68.6/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 157.039+/-0.030 χ^2/NDF : 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 139.373+/-0.026 χ^2/NDF : 4674905.7/32

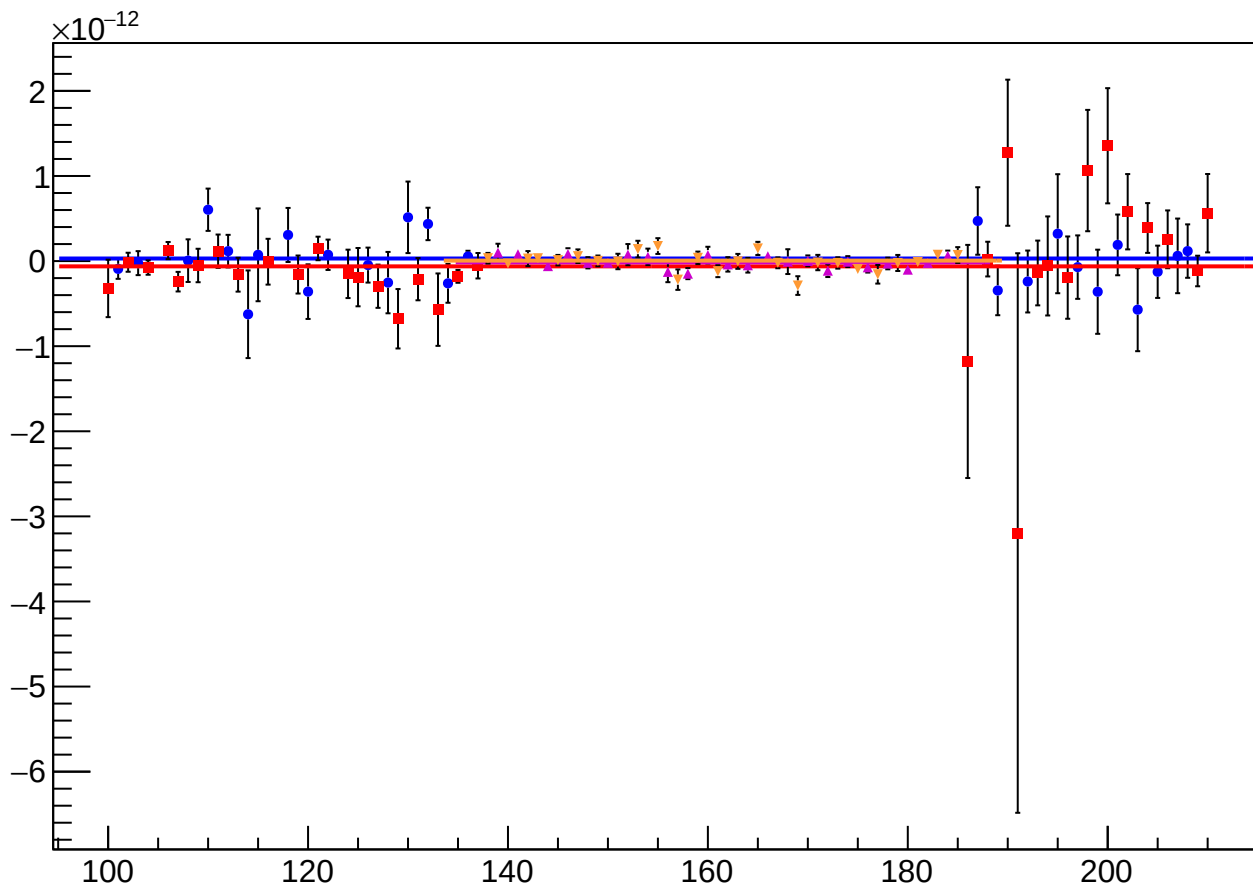
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF : 12014123.2/51

All: 179.478+/-0.017 χ^2/NDF : 26808956.5/10

- sign 170.078+/-0.023 χ^2/NDF : 14418060.8/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.1/32

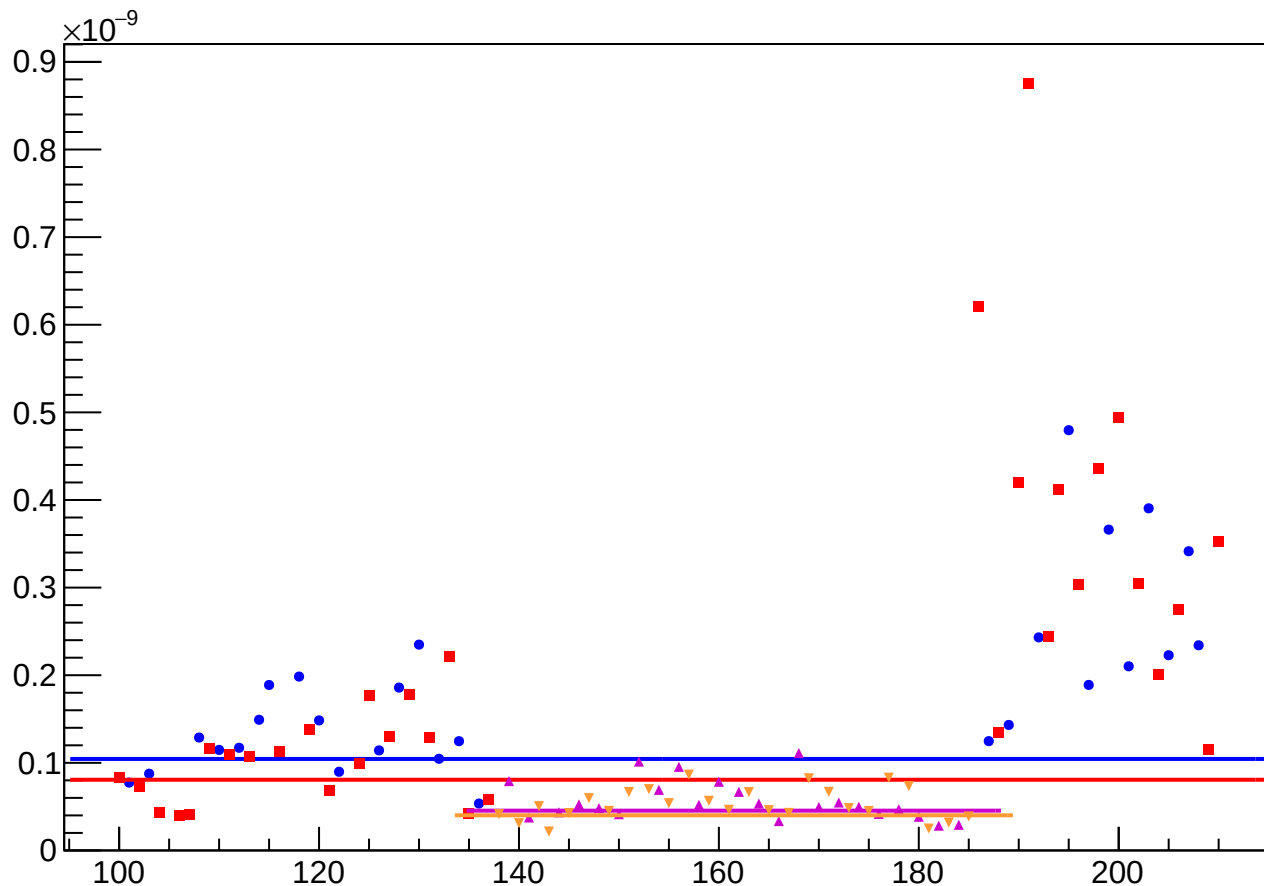
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:23.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 60.0/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 125.1/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.2/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8402337.2/32

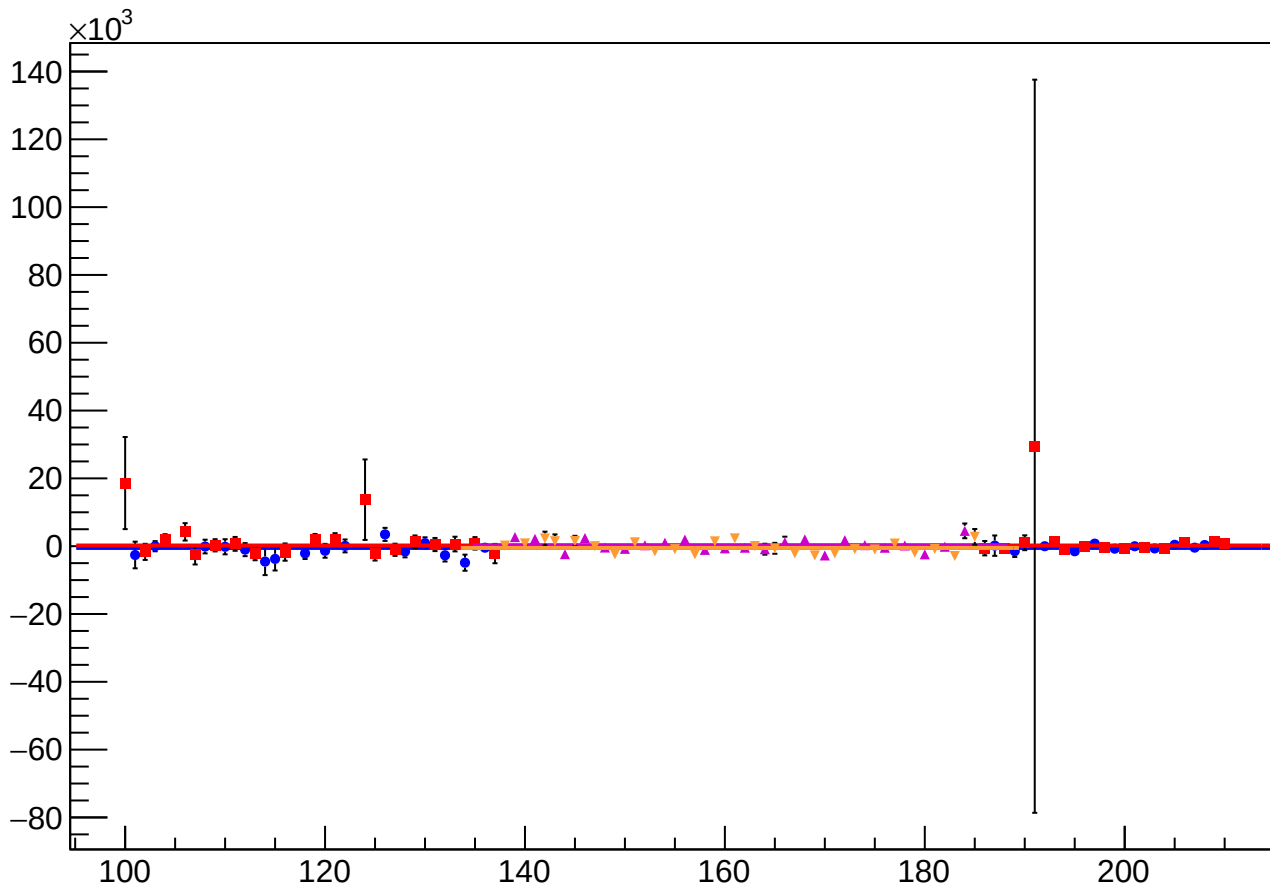
Left In: 0.000+/-0.000 χ^2/NDF : 2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 13918679.3/51

All: 0.000+/-0.000 χ^2/NDF : 27303141.3/107

- sign 0.000+/-0.000 χ^2/NDF : 13207014.5/55

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -507.477+/-322.368 χ^2/NDF : 16.6/26

Left Out: -514.484+/-285.945 χ^2/NDF : 30.9/24

Right Out: 201.580+/-306.871 χ^2/NDF : 20.6/32

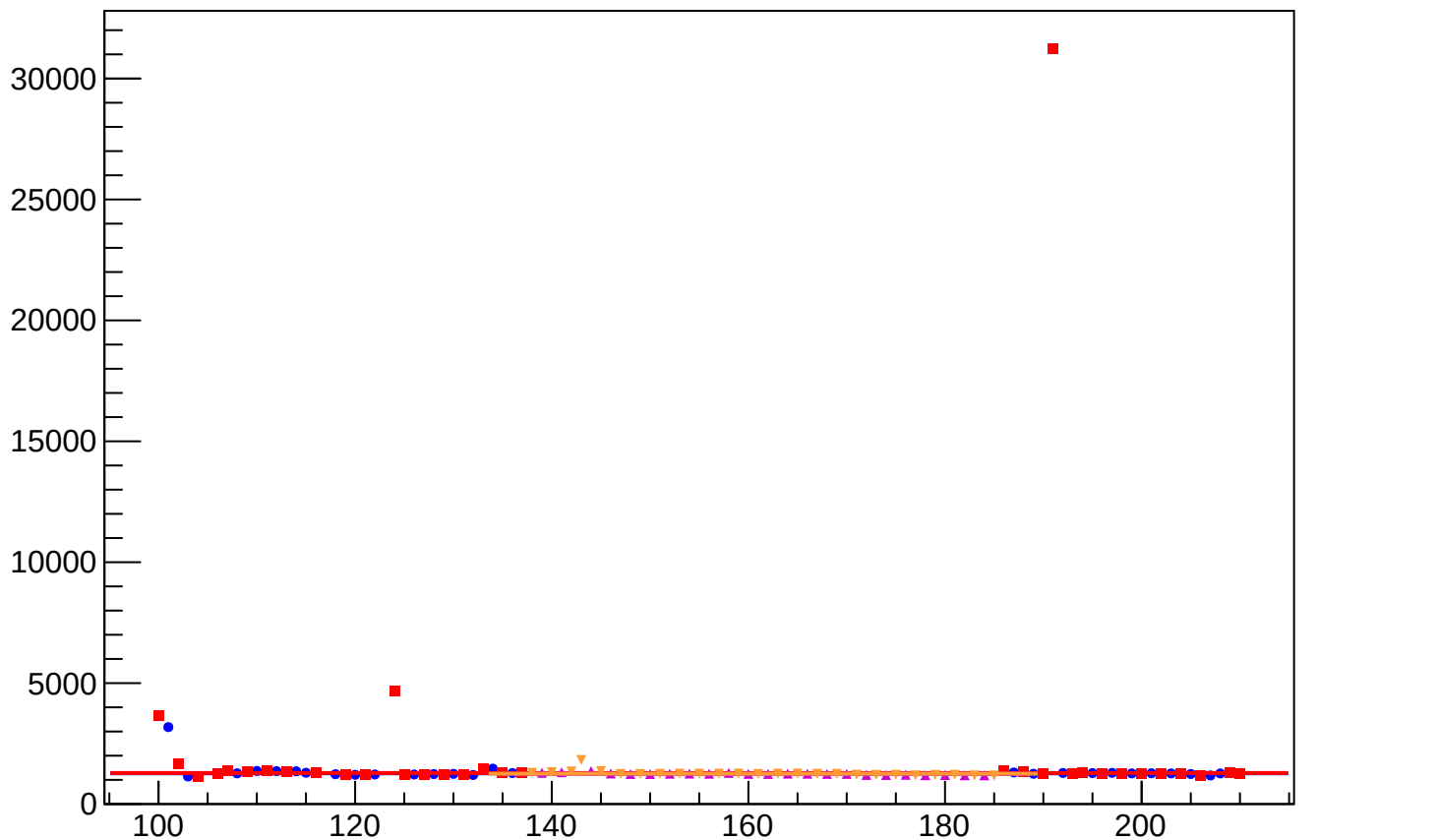
Left In: 242.686+/-291.166 χ^2/NDF : 32.0/22

+ sign -511.399+/-213.917 χ^2/NDF : 47.6/51

All: -139.433+/-150.299 χ^2/NDF : 106.2/107

- sign 223.211+/-211.219 χ^2/NDF : 52.6/55

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF : 532300.0/26

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.1/24

Right Out: 1283.681+/-0.217 χ^2/NDF : 507647.8/32

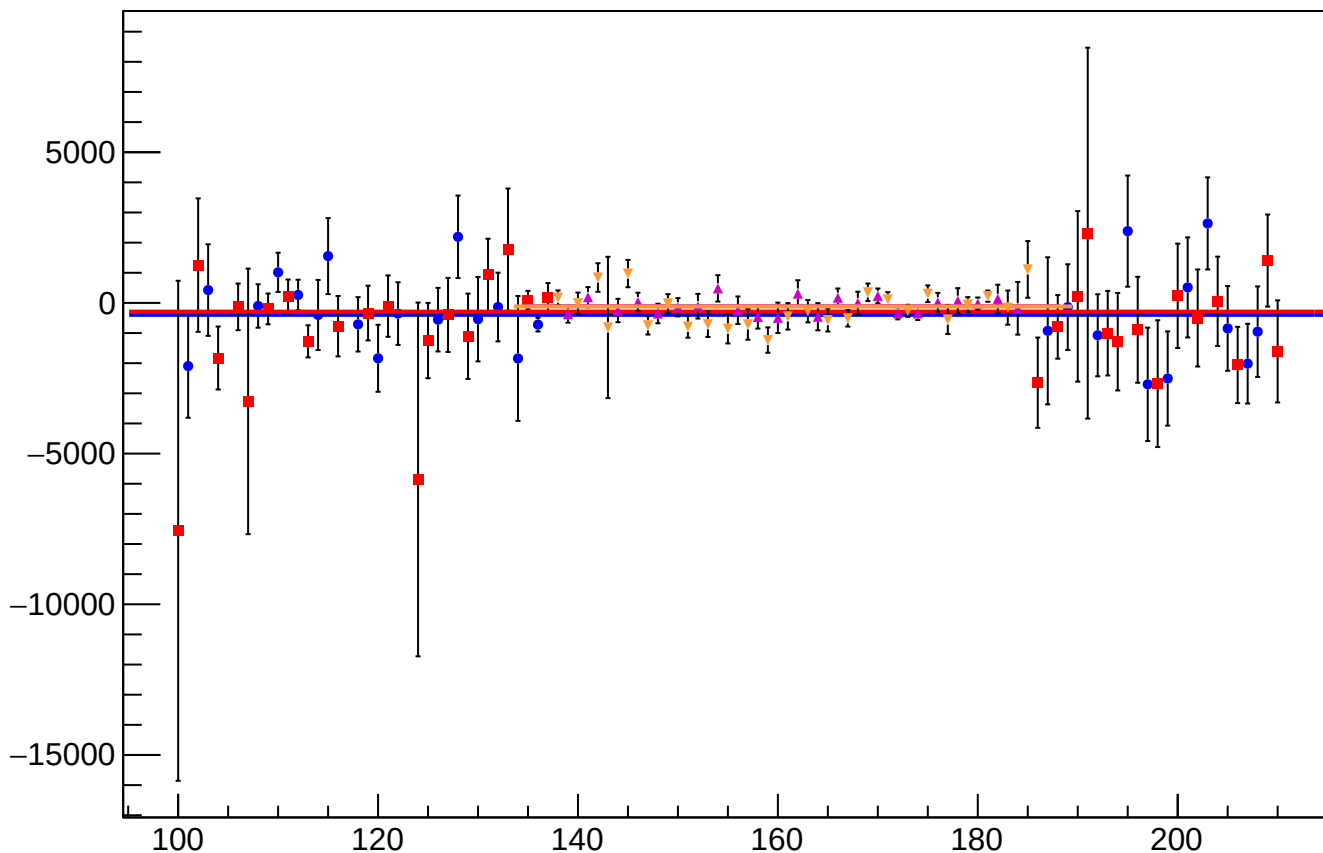
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF : 738172.7/51

All: 1263.303+/-0.106 χ^2/NDF : 1301298.4/100

- sign 1264.038+/-0.149 χ^2/NDF : 563076.6/55

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug



Right In: -394.964 ± 158.421 χ^2/NDF : 30.1/26

Left Out: -117.028 ± 65.059 χ^2/NDF : 48.4/24

Right Out: -288.112 ± 157.550 χ^2/NDF : 23.9/32

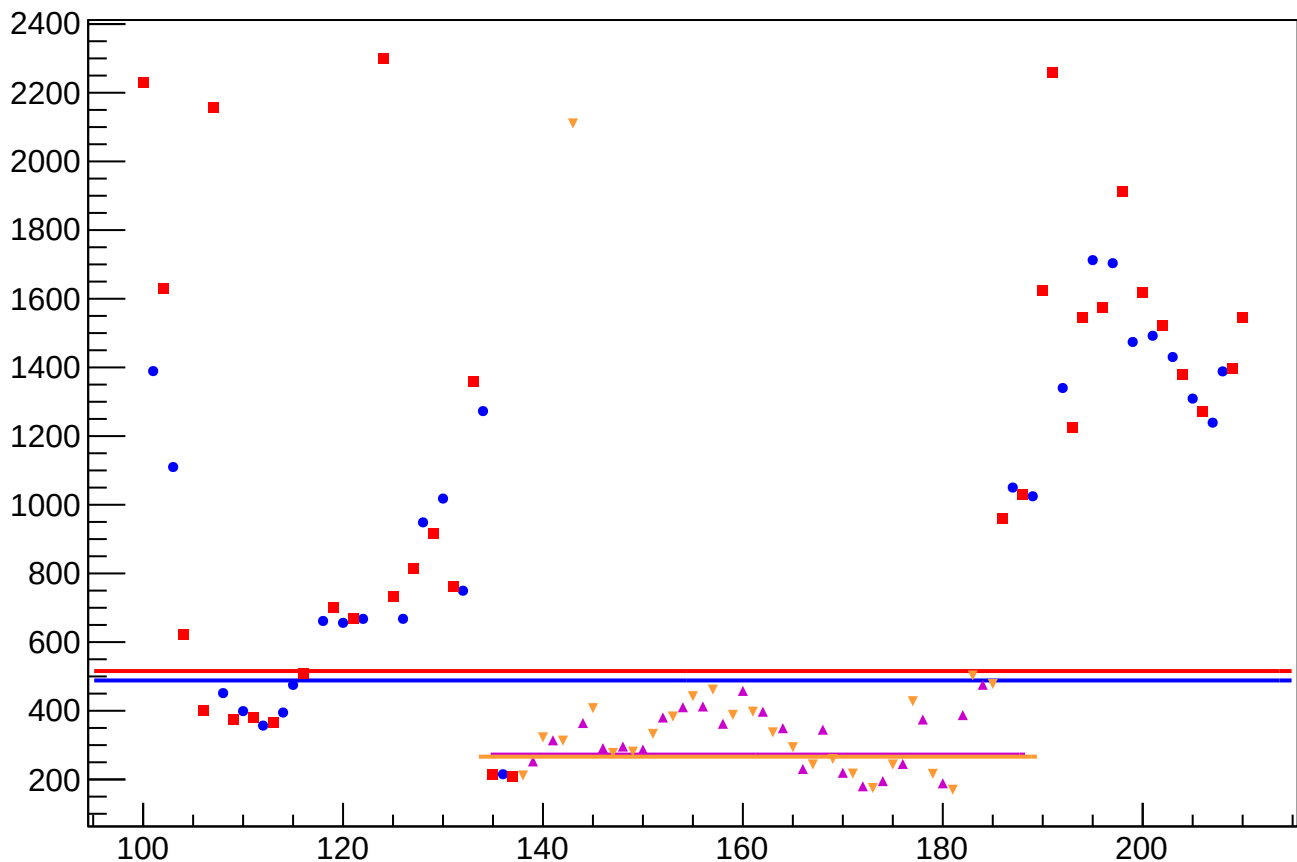
Left In: -107.341 ± 67.001 χ^2/NDF : 13.7/22

+ sign -157.138 ± 60.182 χ^2/NDF : 81.2/51

All: -146.350 ± 43.067 χ^2/NDF : 120.0/107

- sign -135.027 ± 61.657 χ^2/NDF : 38.8/55

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 488.290 $\pm$ 0.112 χ^2/NDF : 12288650.2/26

Left Out: 266.321 $\pm$ 0.046 χ^2/NDF : 4630130.4/24

Right Out: 515.728 $\pm$ 0.111 χ^2/NDF : 13710459.9/32

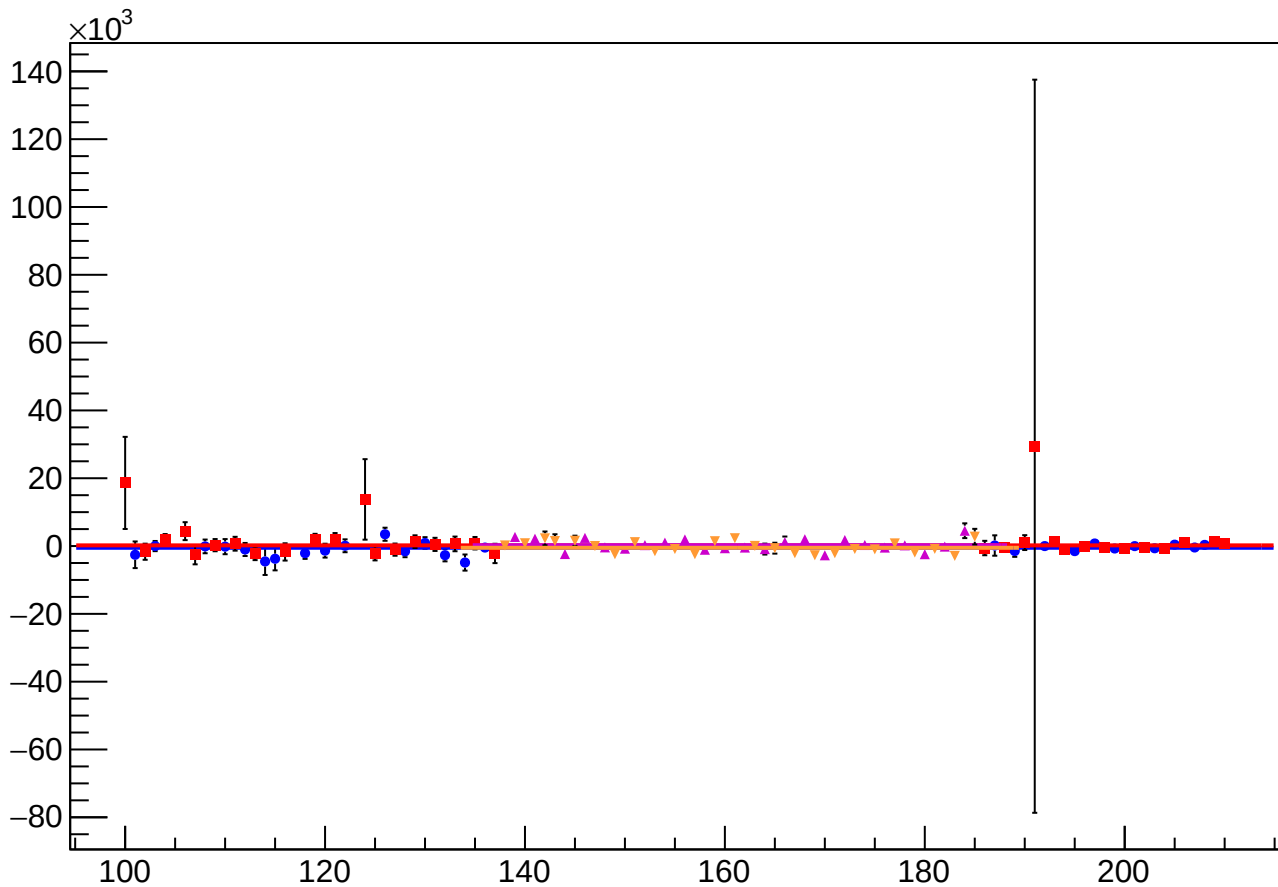
Left In: 272.368 $\pm$ 0.047 χ^2/NDF : 2887823.5/22

+ sign 298.354 $\pm$ 0.043 χ^2/NDF : 20278535.2/51

All: 303.860 $\pm$ 0.030 χ^2/NDF : 40952199.4/10

- sign 309.639 $\pm$ 0.044 χ^2/NDF : 20639350.2/55

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -507.337 $\pm$ 322.368 χ^2 /NDF: 16.6/26

Left Out: -514.430 $\pm$ 285.945 χ^2 /NDF:30.9/24

Right Out: 200.417 $\pm$ 307.003 χ^2 /NDF: 20.6/32

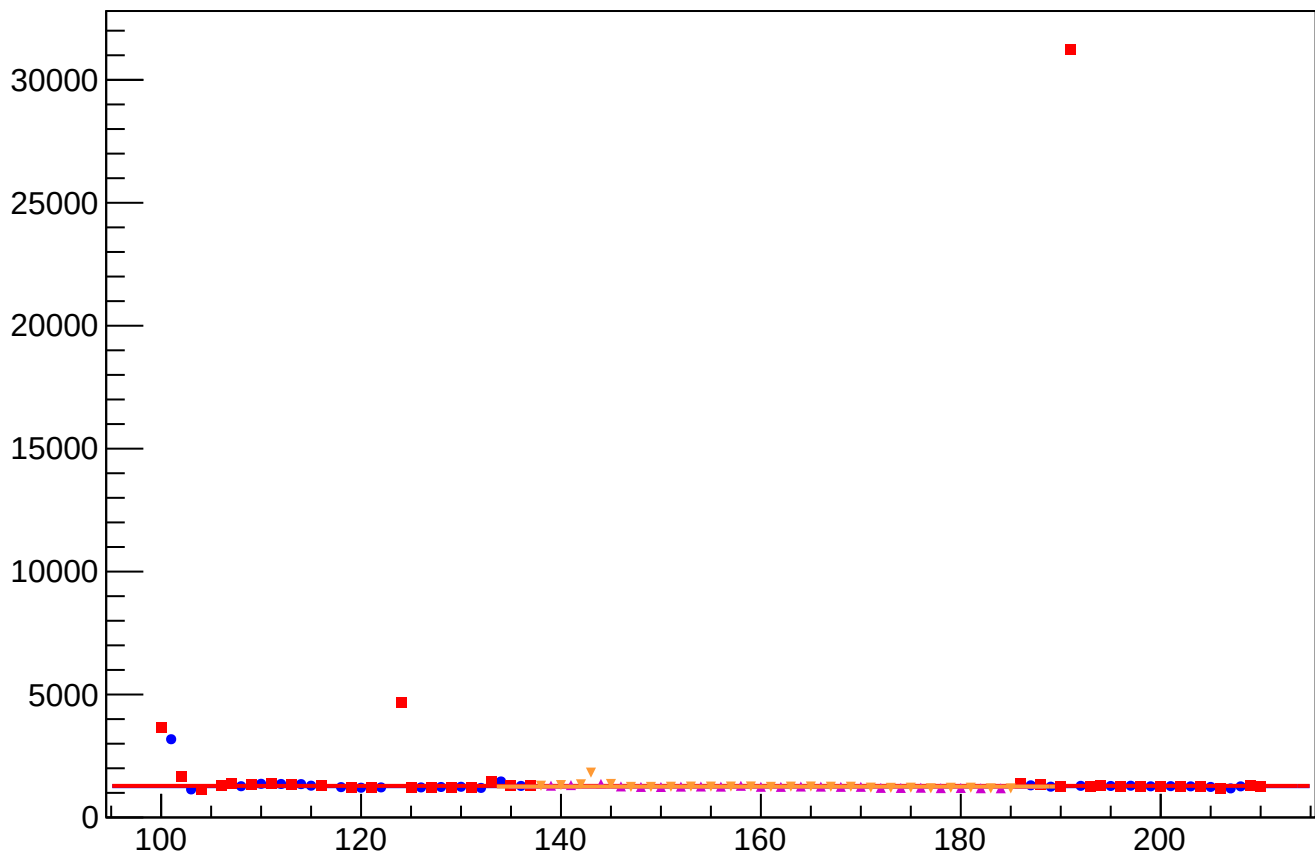
Left In: 242.663 $\pm$ 291.166 χ^2 /NDF:32.0/22

+ sign -511.307 $\pm$ 213.917 χ^2 /NDF: 47.6/51

All: -139.742 $\pm$ 150.315 χ^2 /NDF: 106.2/107

- sign 222.657 $\pm$ 211.262 χ^2 /NDF: 52.7/55

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF : 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.0/24

Right Out: 1284.249+/-0.217 χ^2/NDF : 507628.7/32

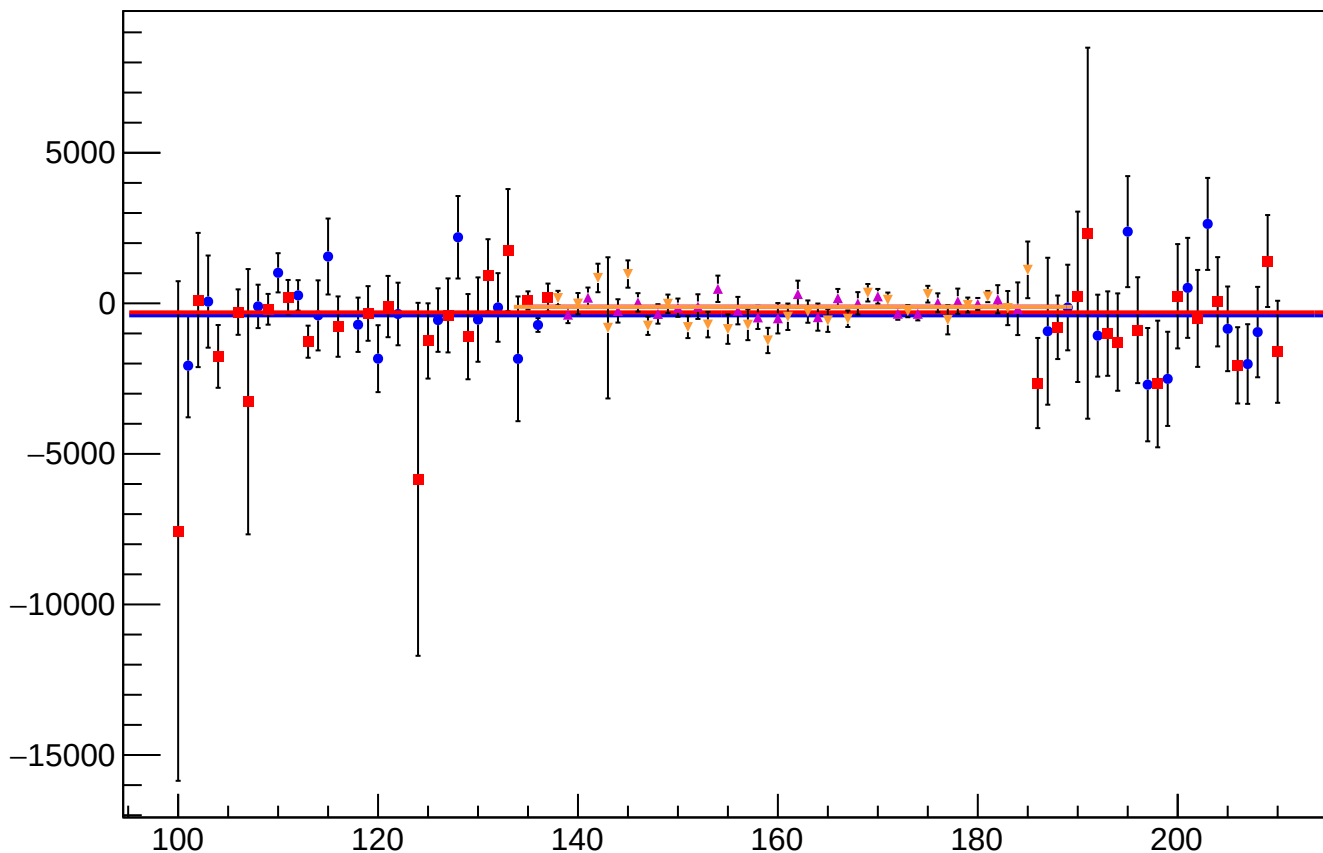
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF : 738174.0/51

All: 1263.435+/-0.106 χ^2/NDF : 1301769.3/10

- sign 1264.299+/-0.149 χ^2/NDF : 563527.5/55

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug



Right In: -398.922 ± 158.437 χ^2/NDF : 29.9/26

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -299.308 ± 157.392 χ^2/NDF : 23.2/32

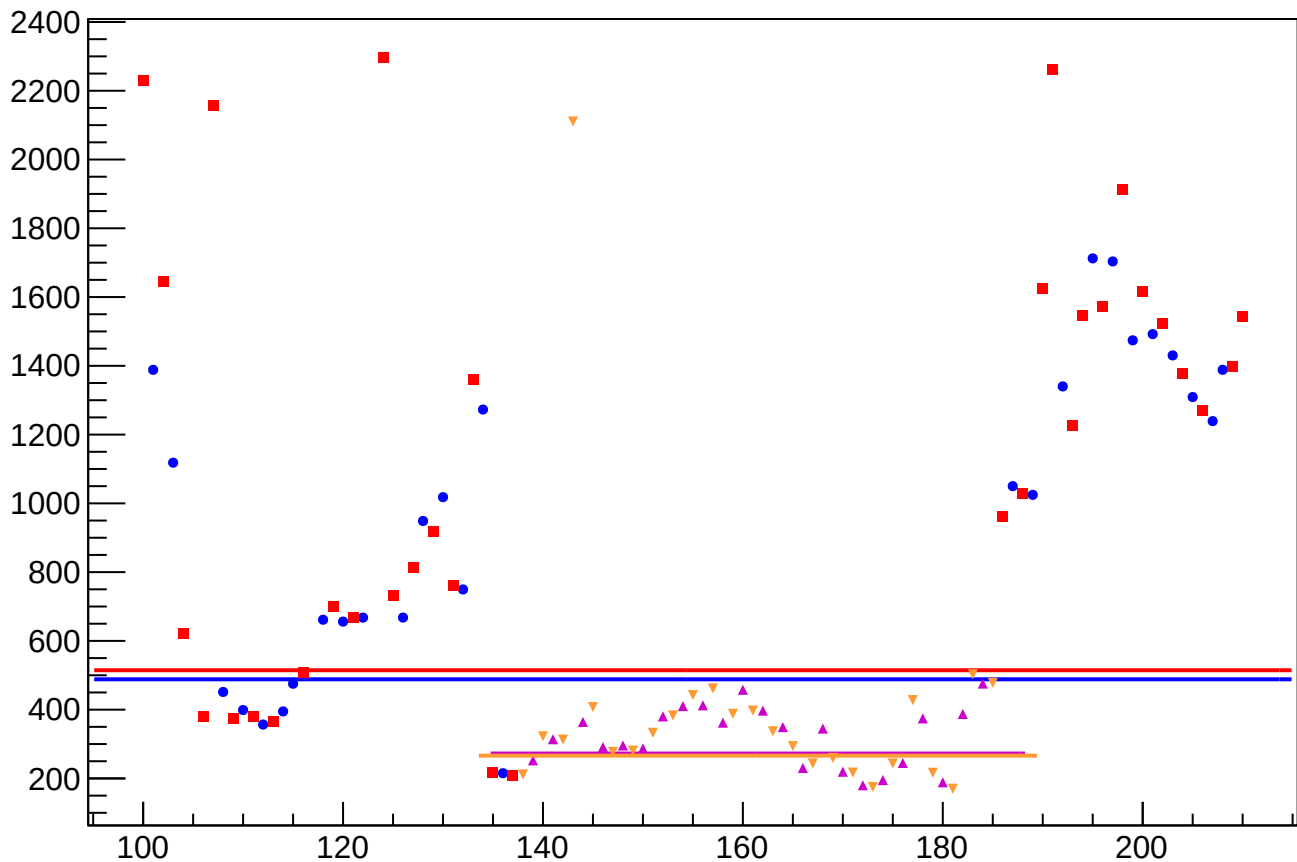
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -157.681 ± 60.184 χ^2/NDF : 81.0/51

All: -147.537 ± 43.065 χ^2/NDF : 119.3/107

- sign -136.893 ± 61.649 χ^2/NDF : 38.2/55

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 488.306 $\pm$ 0.112 χ^2/NDF : 12291734.8/26

Left Out: 266.326 $\pm$ 0.046 χ^2/NDF : 4630167.4/24

Right Out: 514.650 $\pm$ 0.111 χ^2/NDF : 13736257.1/32

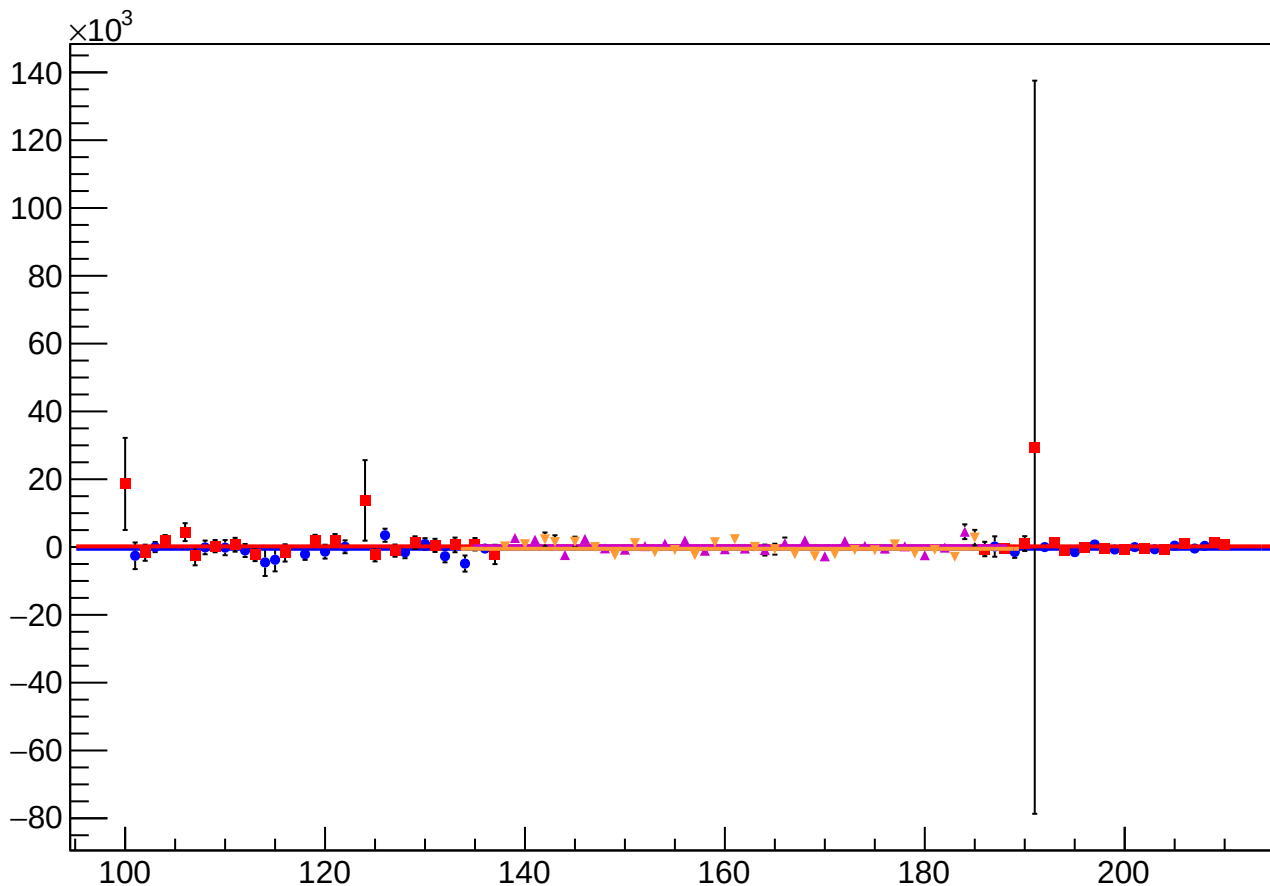
Left In: 272.378 $\pm$ 0.047 χ^2/NDF : 2887597.1/22

+ sign 298.356 $\pm$ 0.043 χ^2/NDF : 20281333.5/51

All: 303.817 $\pm$ 0.030 χ^2/NDF : 40950765.3/10

- sign 309.548 $\pm$ 0.044 χ^2/NDF : 20635684.7/55

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -507.337 $\pm$ 322.368 χ^2 /NDF: 16.6/26

Left Out: -514.430 $\pm$ 285.945 χ^2 /NDF:30.9/24

Right Out: 200.417 $\pm$ 307.003 χ^2 /NDF: 20.6/32

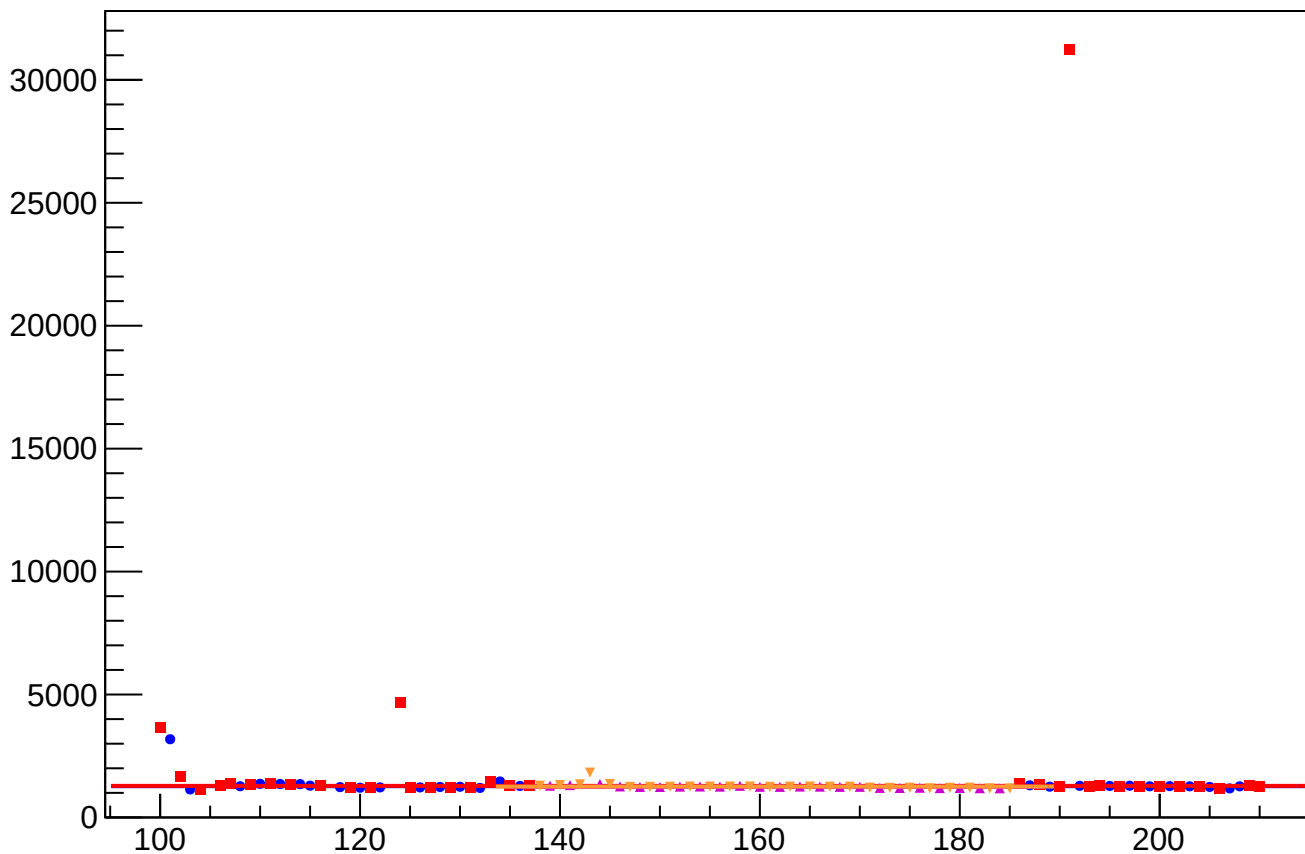
Left In: 242.663 $\pm$ 291.166 χ^2 /NDF:32.0/22

+ sign -511.307 $\pm$ 213.917 χ^2 /NDF: 47.6/51

All: -139.742 $\pm$ 150.315 χ^2 /NDF: 106.2/107

- sign 222.657 $\pm$ 211.262 χ^2 /NDF: 52.7/55

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF : 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.0/24

Right Out: 1284.249+/-0.217 χ^2/NDF : 507628.7/32

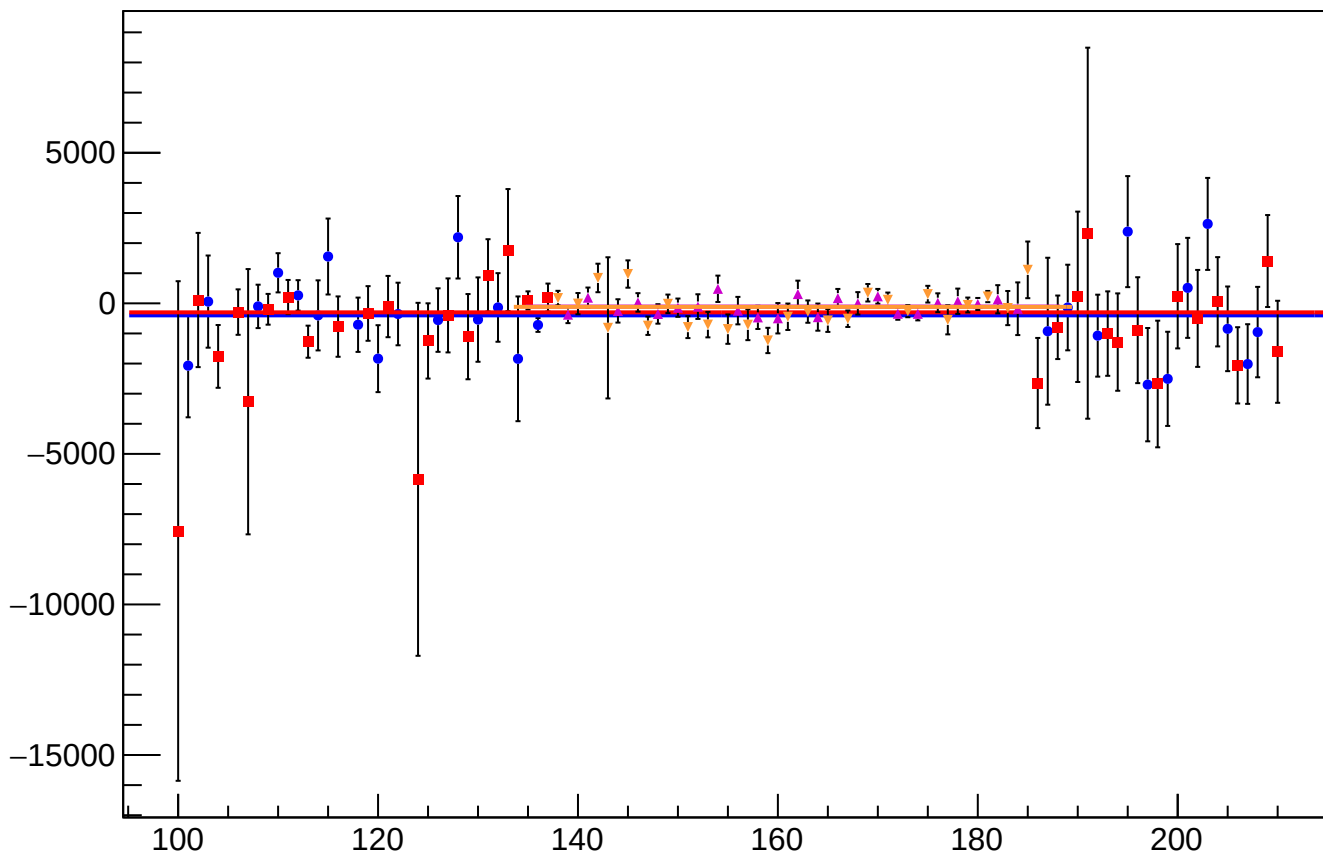
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF : 738174.0/51

All: 1263.435+/-0.106 χ^2/NDF : 1301769.3/10

- sign 1264.299+/-0.149 χ^2/NDF : 563527.5/55

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -398.922 ± 158.437 χ^2/NDF : 29.9/26

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -299.308 ± 157.392 χ^2/NDF : 23.2/32

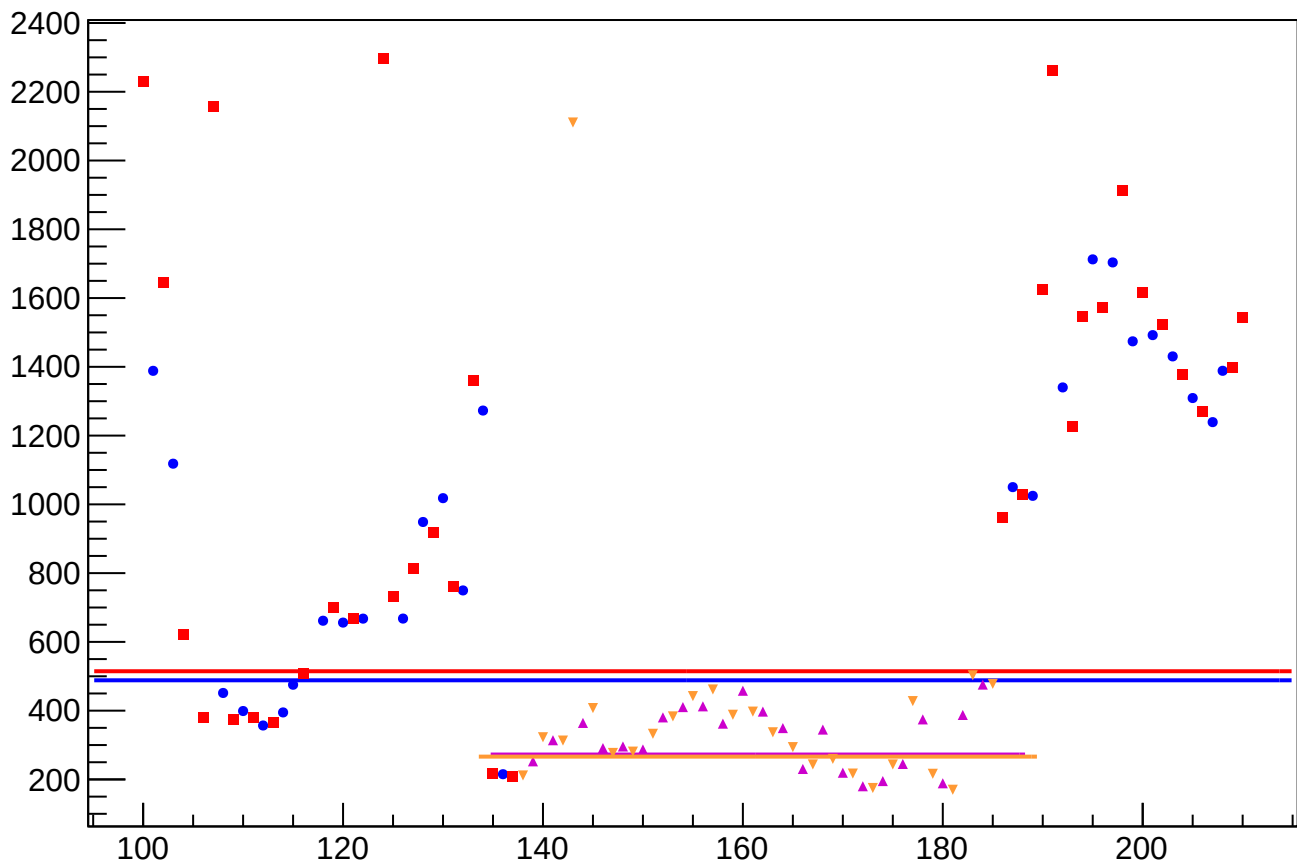
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -157.681 ± 60.184 χ^2/NDF : 81.0/51

All: -147.537 ± 43.065 χ^2/NDF : 119.3/107

- sign -136.893 ± 61.649 χ^2/NDF : 38.2/55

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 488.306 $\pm$ 0.112 χ^2 /NDF: 12291734.8/26

Left Out: 266.326 $\pm$ 0.046 χ^2 /NDF: 4630167.4/24

Right Out: 514.650 $\pm$ 0.111 χ^2 /NDF: 13736257.1/32

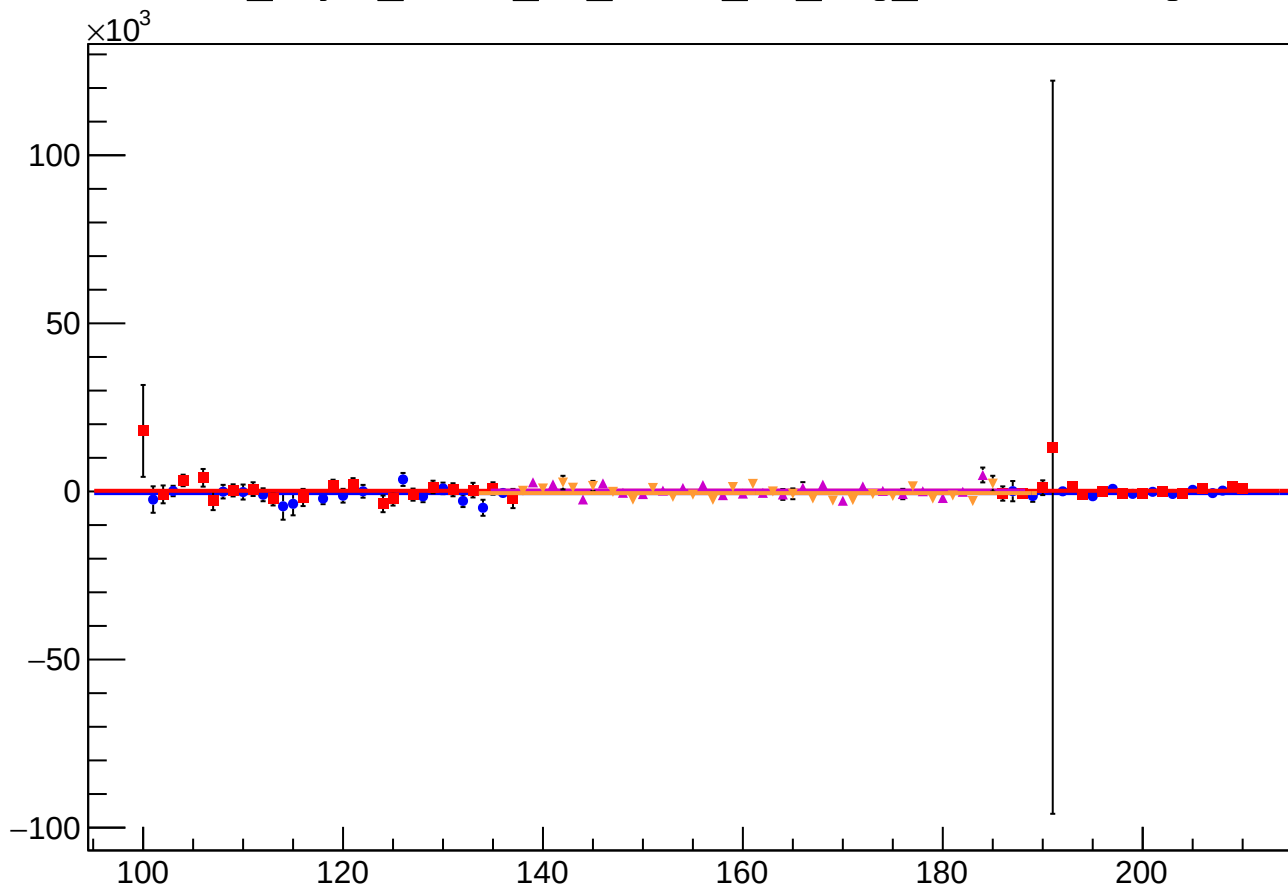
Left In: 272.378 $\pm$ 0.047 χ^2 /NDF: 2887597.1/22

+ sign 298.356 $\pm$ 0.043 χ^2 /NDF: 20281333.5/51

All: 303.817 $\pm$ 0.030 χ^2 /NDF: 40950765.3/10

- sign 309.548 $\pm$ 0.044 χ^2 /NDF: 20635684.7/55

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -501.118 ± 323.350 χ^2/NDF : 16.6/26

Left Out: -493.436 ± 282.734 χ^2/NDF : 34.2/24

Right Out: 194.371 ± 306.419 χ^2/NDF : 22.5/32

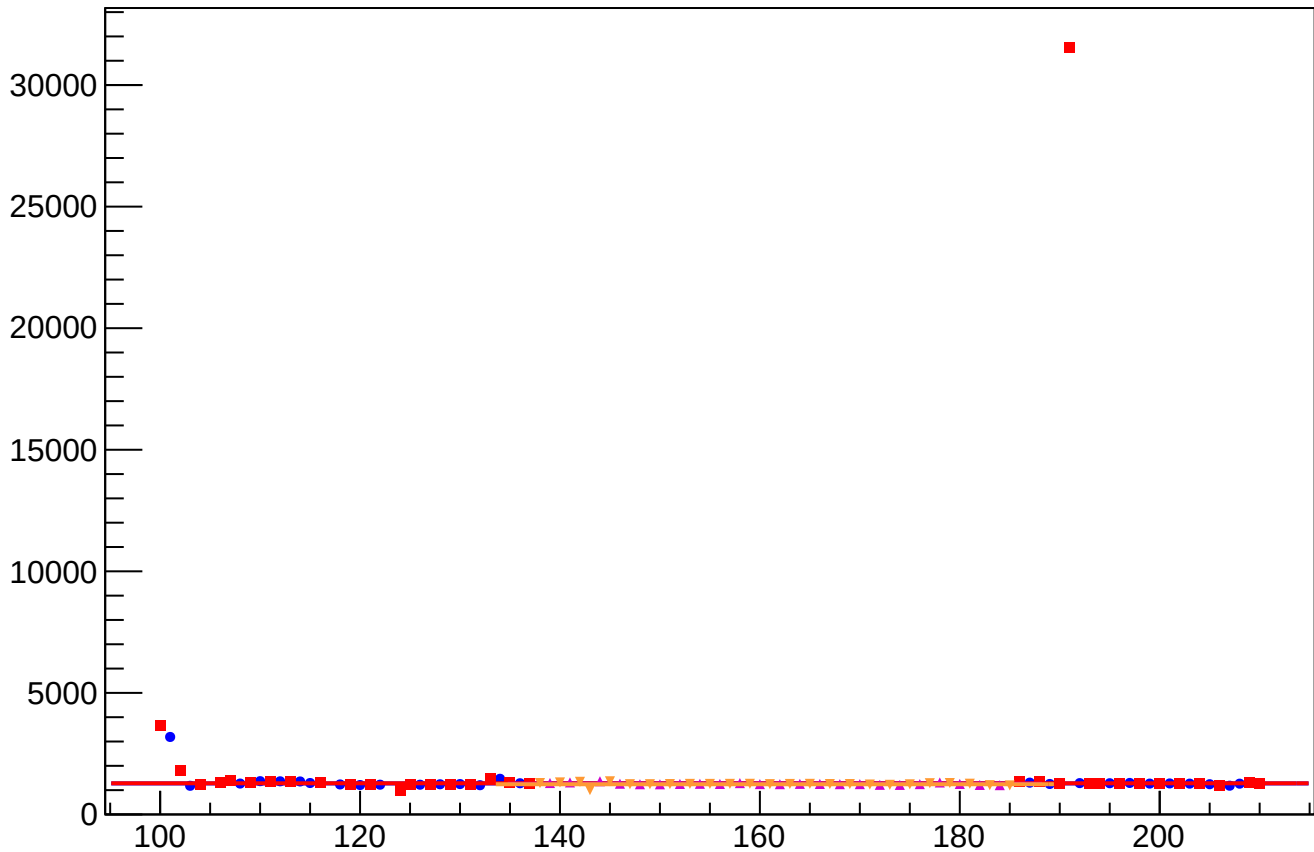
Left In: 242.004 ± 294.339 χ^2/NDF : 30.7/22

+ sign -496.764 ± 212.843 χ^2/NDF : 50.8/51

All: -137.847 ± 150.300 χ^2/NDF : 109.7/107

- sign 219.145 ± 212.271 χ^2/NDF : 53.2/55

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1275.447 $\pm$ 0.229 χ^2 /NDF: 525053.6/26

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF: 130023.1/24

Right Out: 1281.875 $\pm$ 0.217 χ^2 /NDF: 388022.5/32

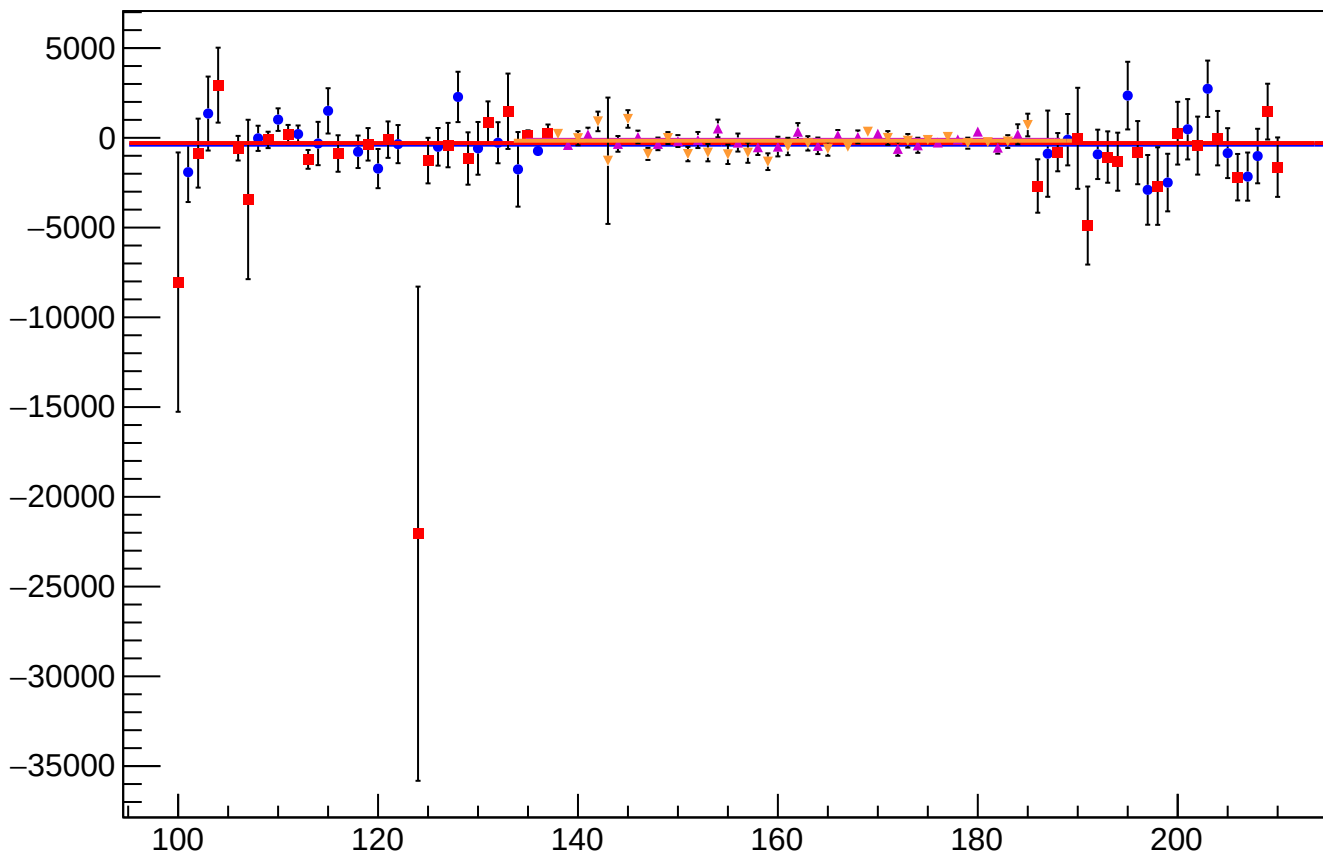
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF: 27932.1/22

+ sign 1256.798 $\pm$ 0.151 χ^2 /NDF: 666815.8/51

All: 1263.691 $\pm$ 0.106 χ^2 /NDF: 1092210.6/10

- sign 1270.547 $\pm$ 0.150 χ^2 /NDF: 421210.7/55

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug



Right In: -381.169 ± 160.116 χ^2/NDF : 30.5/26

Left Out: -160.930 ± 64.133 χ^2/NDF : 43.8/24

Right Out: -290.097 ± 157.449 χ^2/NDF : 30.0/32

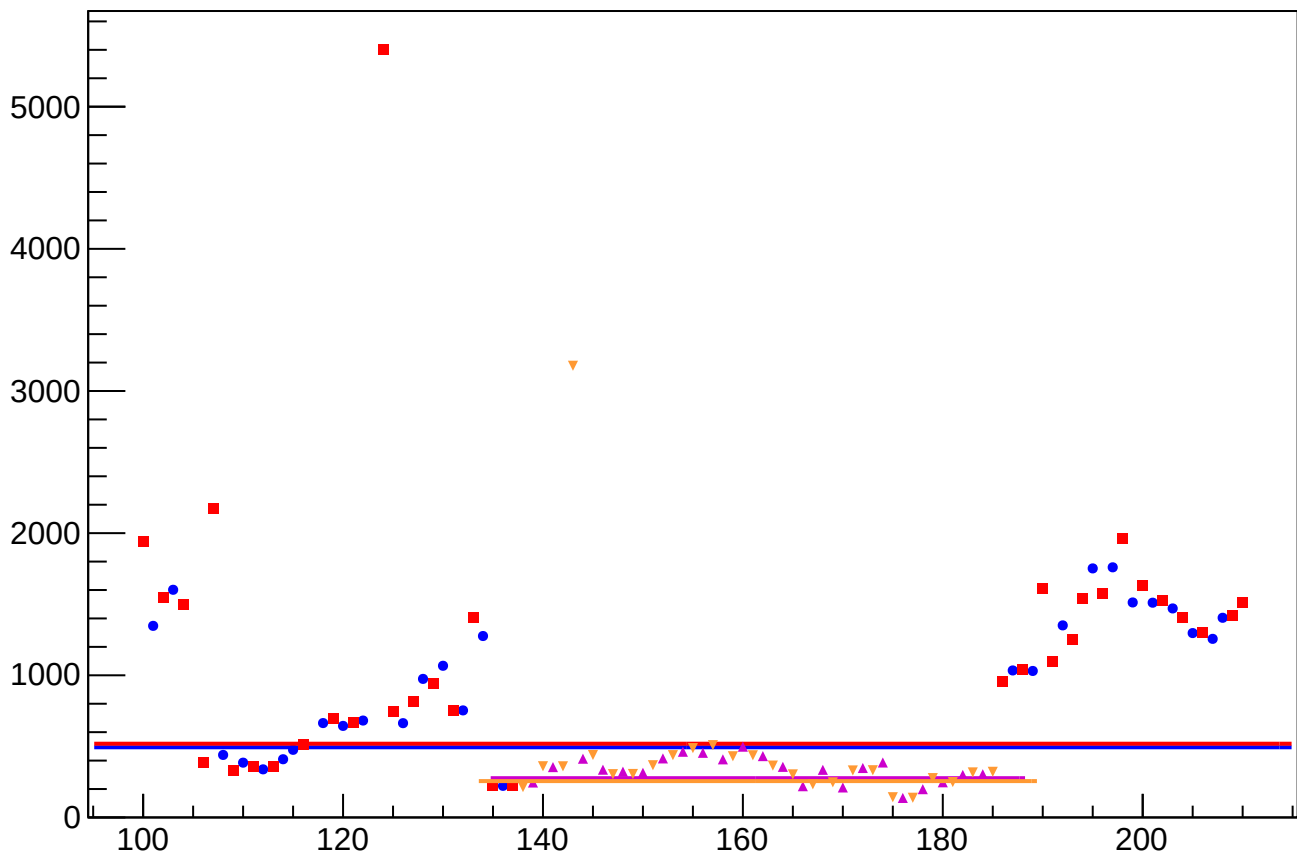
Left In: -113.722 ± 68.841 χ^2/NDF : 18.2/22

+ sign -191.378 ± 59.535 χ^2/NDF : 75.8/51

All: -168.127 ± 43.295 χ^2/NDF : 125.4/107

- sign -142.027 ± 63.075 χ^2/NDF : 49.3/55

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug



Right In: 493.620+/-0.113 χ^2/NDF : 12440299.7/26

Left Out: 255.768+/-0.045 χ^2/NDF : 6373929.4/24

Right Out: 518.749+/-0.111 χ^2/NDF : 14250349.1/32

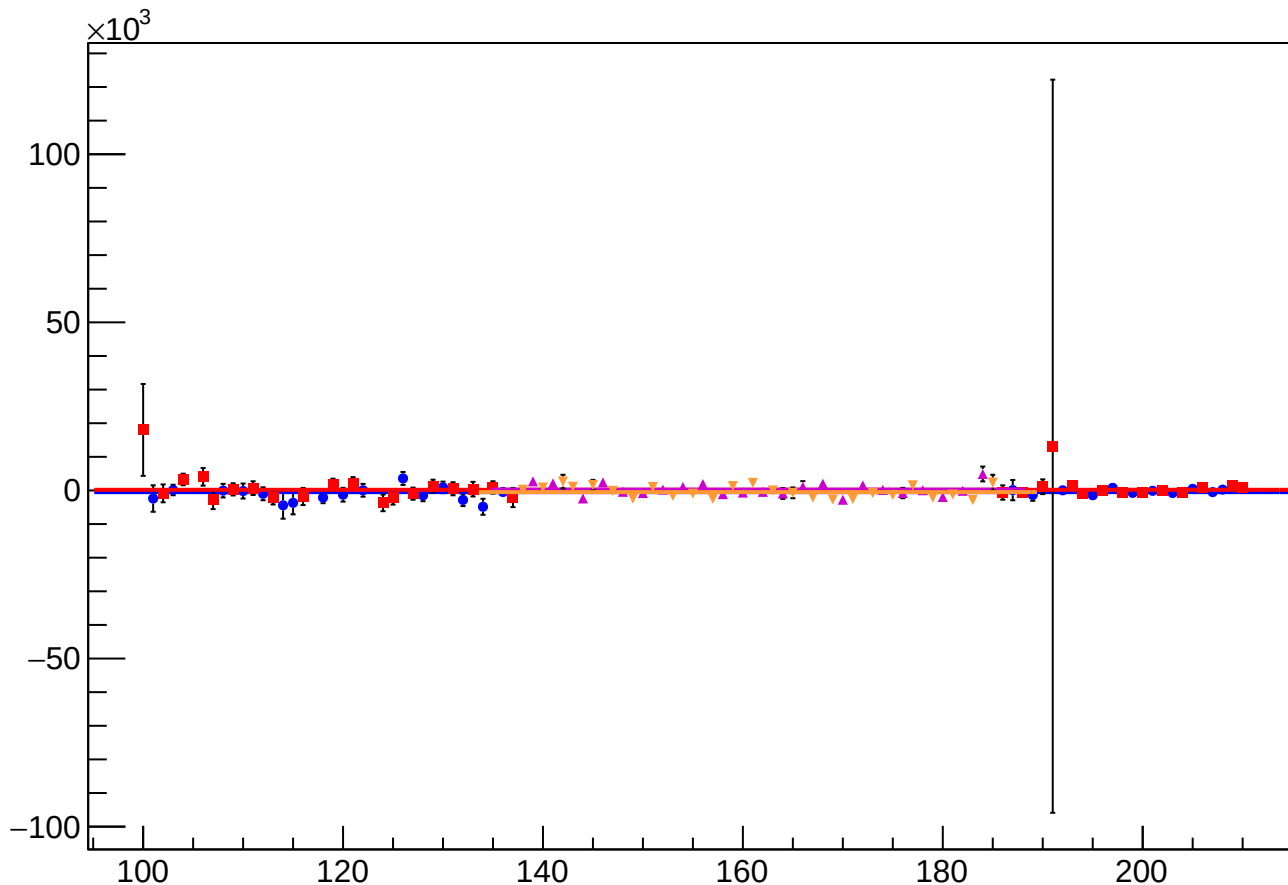
Left In: 276.298+/-0.049 χ^2/NDF : 4027410.5/22

+ sign 288.652+/-0.042 χ^2/NDF : 22617477.3/51

All: 301.164+/-0.031 χ^2/NDF : 45064043.5/10

- sign 315.208+/-0.045 χ^2/NDF : 22259067.7/55

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -501.118+/-323.350 χ^2/NDF : 16.6/26

Left Out: -493.435+/-282.734 χ^2/NDF : 34.2/24

Right Out: 194.371+/-306.419 χ^2/NDF : 22.5/32

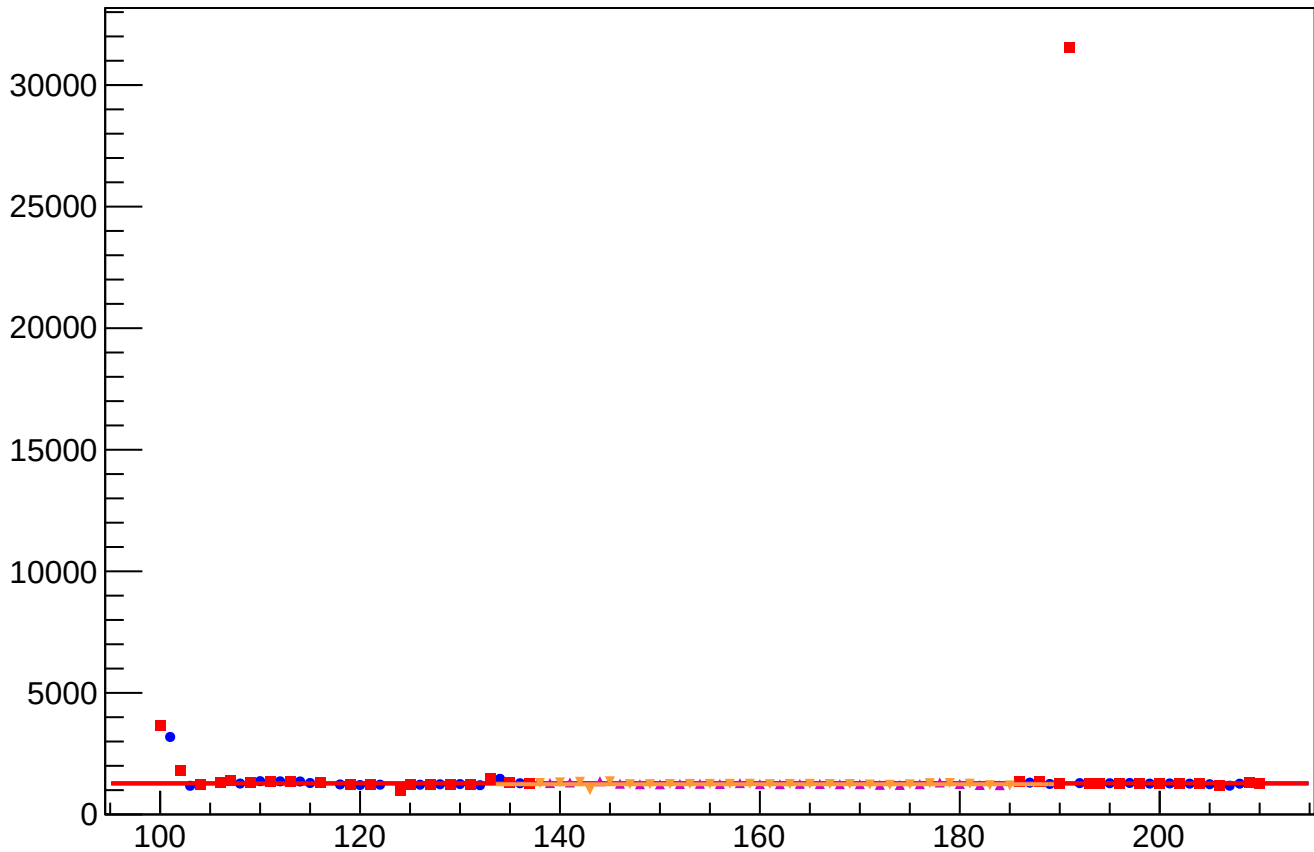
Left In: 242.004+/-294.339 χ^2/NDF : 30.7/22

+ sign -496.764+/-212.843 χ^2/NDF : 50.8/51

All: -137.847+/-150.300 χ^2/NDF : 109.7/107

- sign 219.145+/-212.271 χ^2/NDF : 53.2/55

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1275.447 $\pm$ 0.229 χ^2 /NDF: 525053.6/26

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF: 130022.2/24

Right Out: 1281.875 $\pm$ 0.217 χ^2 /NDF: 388022.8/32

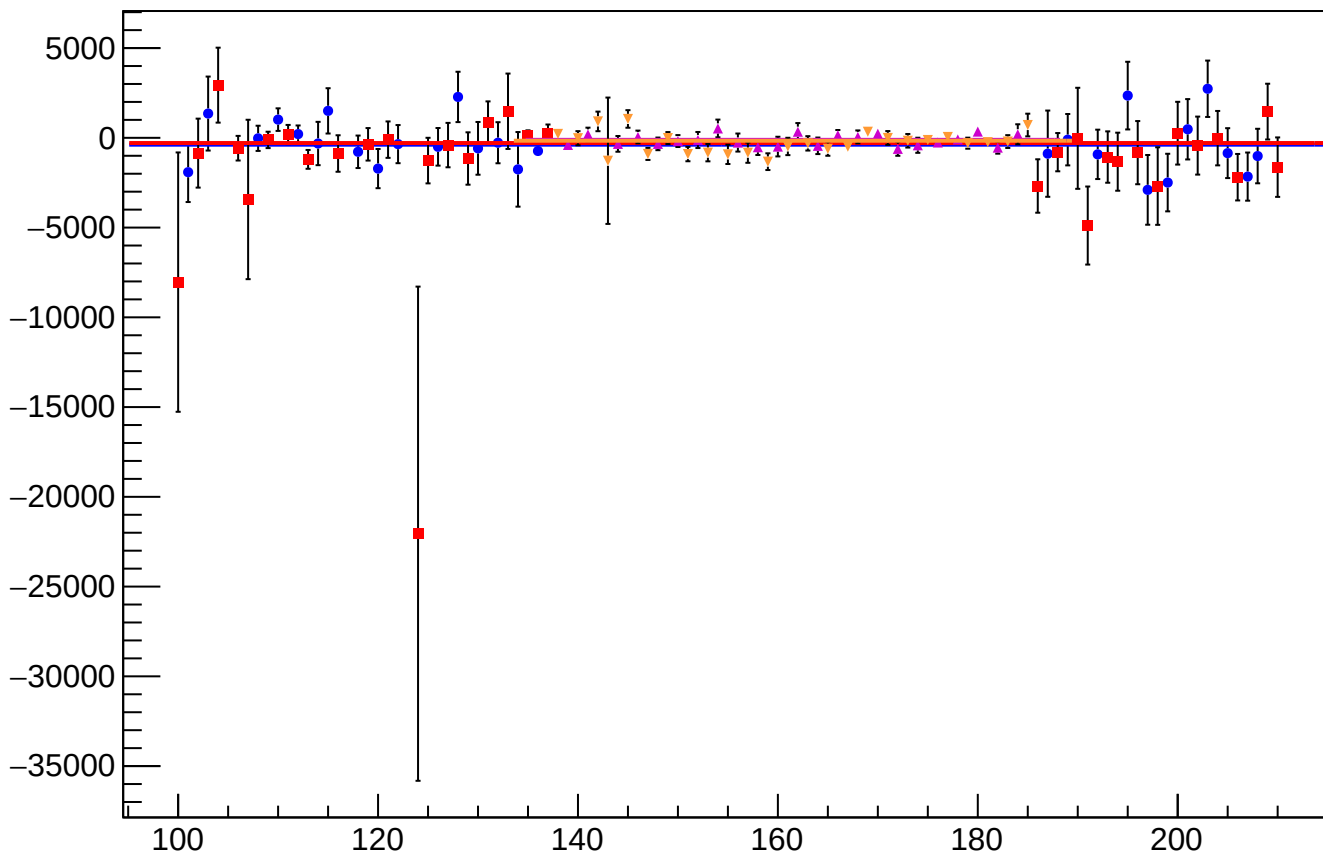
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF: 27932.2/22

+ sign 1256.798 $\pm$ 0.151 χ^2 /NDF: 666814.9/51

All: 1263.691 $\pm$ 0.106 χ^2 /NDF: 1092210.1/10

- sign 1270.547 $\pm$ 0.150 χ^2 /NDF: 421211.1/55

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -381.170 ± 160.118 χ^2/NDF : 30.5/26

Left Out: -160.933 ± 64.133 χ^2/NDF : 43.8/24

Right Out: -290.105 ± 157.451 χ^2/NDF : 30.0/32

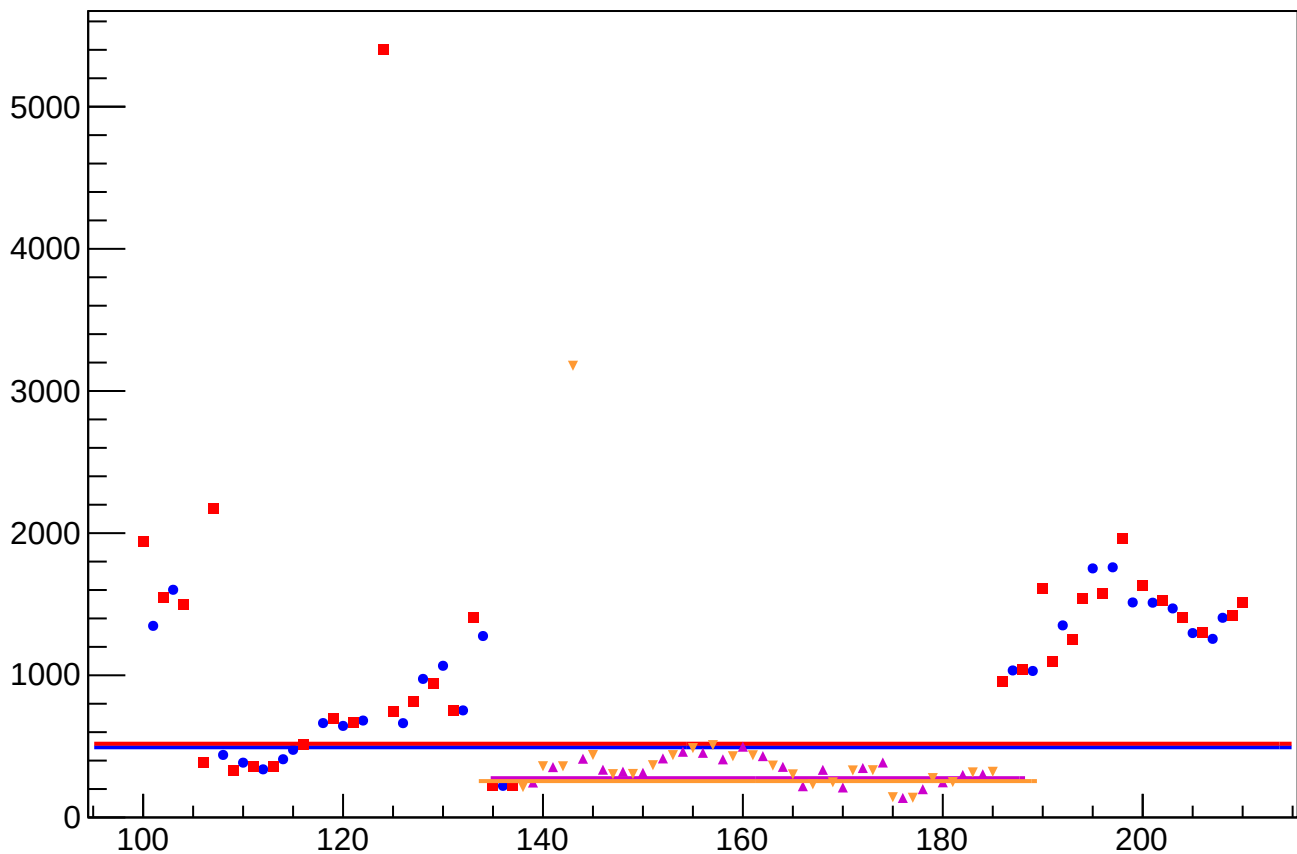
Left In: -113.720 ± 68.841 χ^2/NDF : 18.2/22

+ sign -191.381 ± 59.535 χ^2/NDF : 75.8/51

All: -168.128 ± 43.295 χ^2/NDF : 125.4/107

- sign -142.027 ± 63.075 χ^2/NDF : 49.3/55

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 493.632+/-0.113 χ^2/NDF : 12439931.8/26

Left Out: 255.770+/-0.045 χ^2/NDF : 6373829.7/24

Right Out: 518.759+/-0.111 χ^2/NDF : 14250040.9/32

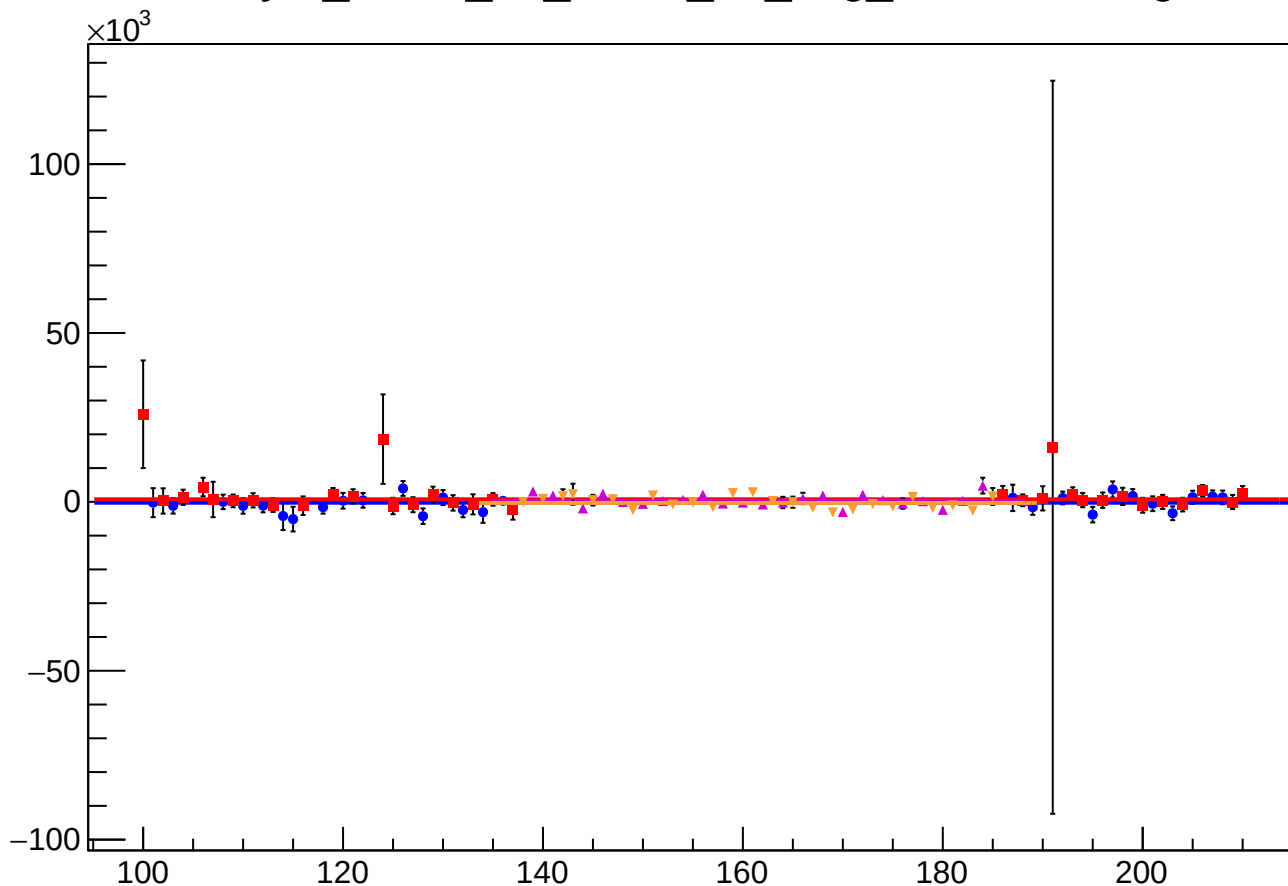
Left In: 276.299+/-0.049 χ^2/NDF : 4027371.0/22

+ sign 288.654+/-0.042 χ^2/NDF : 22617258.1/51

All: 301.166+/-0.031 χ^2/NDF : 45063690.3/10

- sign 315.210+/-0.045 χ^2/NDF : 22258947.4/55

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -242.290+/-424.968 χ^2/NDF : 24.6/26

Left Out: -319.744+/-298.271 χ^2/NDF : 31.6/24

Right Out: 762.763+/-410.638 χ^2/NDF : 16.7/32

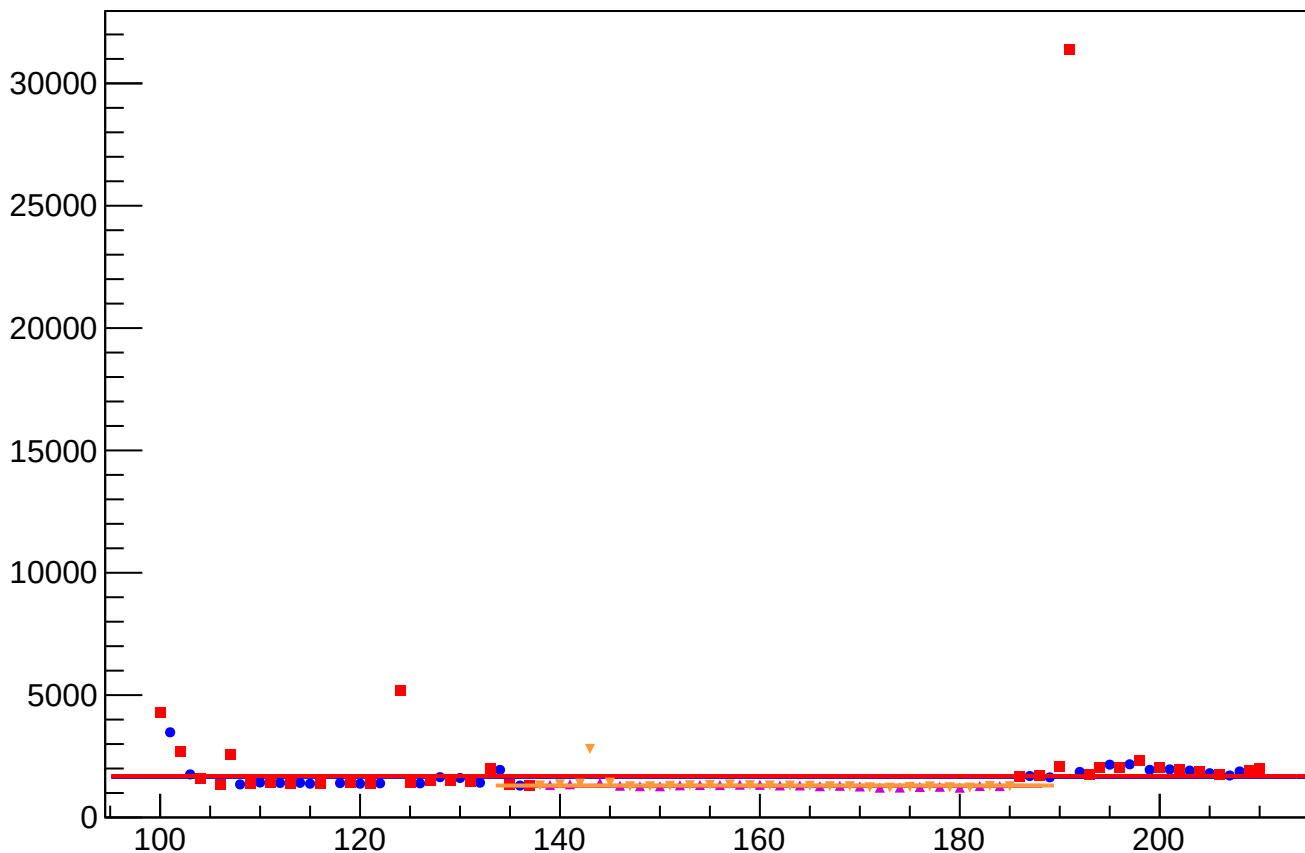
Left In: 356.387+/-301.902 χ^2/NDF : 29.7/22

+ sign -294.181+/-244.139 χ^2/NDF : 56.2/51

All: 103.860+/-172.313 χ^2/NDF : 108.5/107

- sign 498.972+/-243.239 χ^2/NDF : 47.0/55

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1658.400+/-0.300 χ^2/NDF : 1129924.5/26

Left Out: 1304.156+/-0.211 χ^2/NDF : 519609.1/24

Right Out: 1693.505+/-0.290 χ^2/NDF : 1441660.0/32

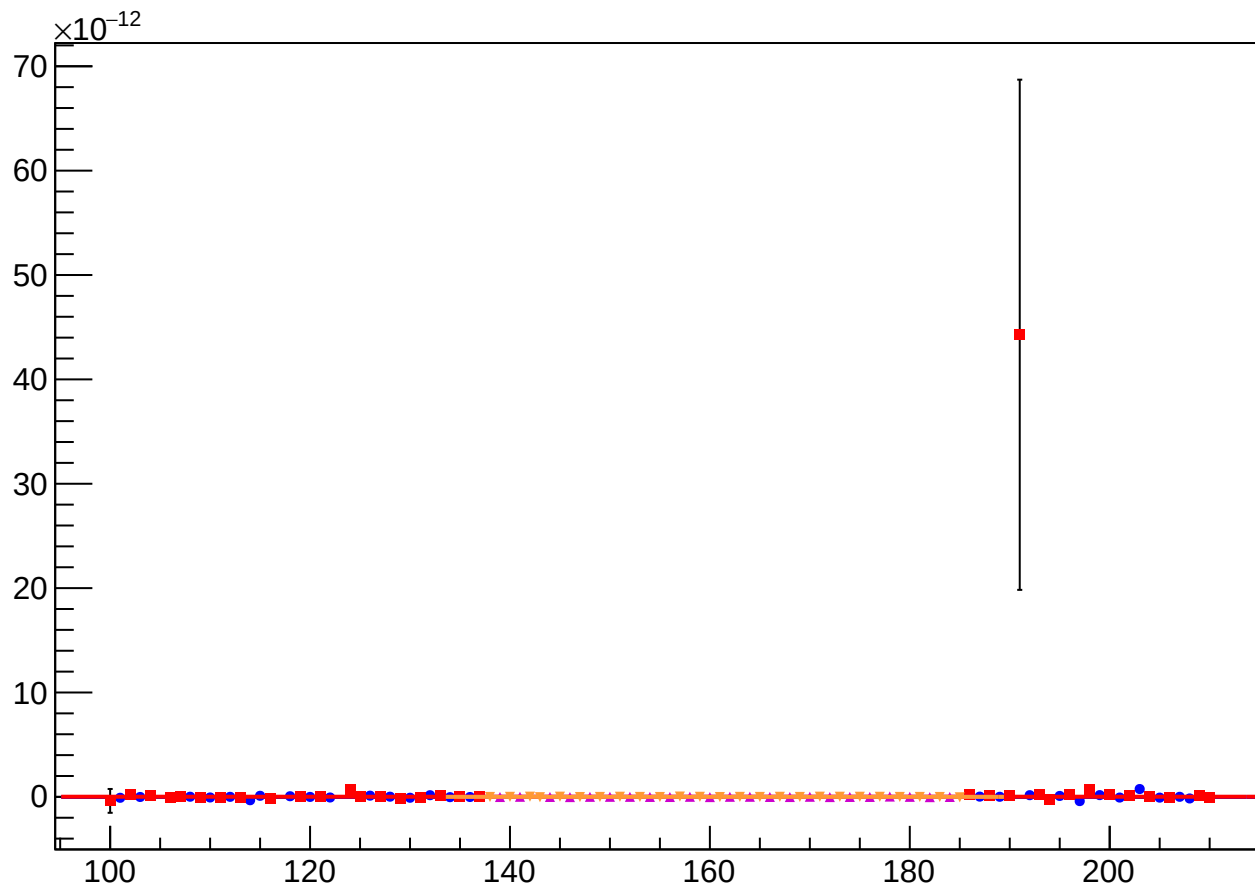
Left In: 1292.123+/-0.213 χ^2/NDF : 48343.1/22

+ sign 1421.069+/-0.173 χ^2/NDF : 2580588.3/51

All: 1427.035+/-0.122 χ^2/NDF : 5313365.6/10

- sign 1432.956+/-0.172 χ^2/NDF : 2730398.0/55

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2 /NDF:24.3/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 38.4/32

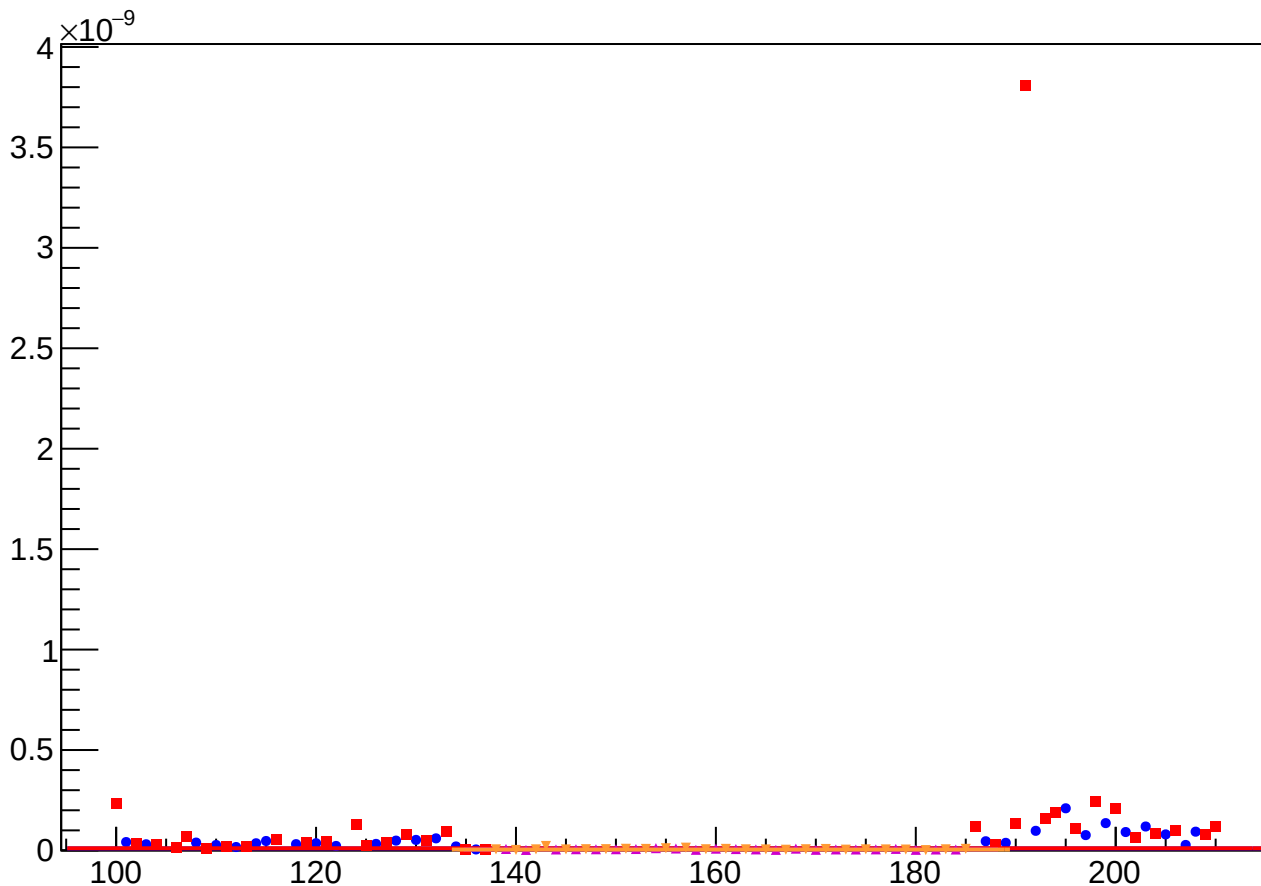
Left In: 0.000+/-0.000 χ^2 /NDF:29.6/22

+ sign -0.000+/-0.000 χ^2 /NDF: 56.2/51

All: 0.000+/-0.000 χ^2 /NDF: 127.0/107

- sign 0.000+/-0.000 χ^2 /NDF: 70.3/55

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7460981.9/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10597782.0/32

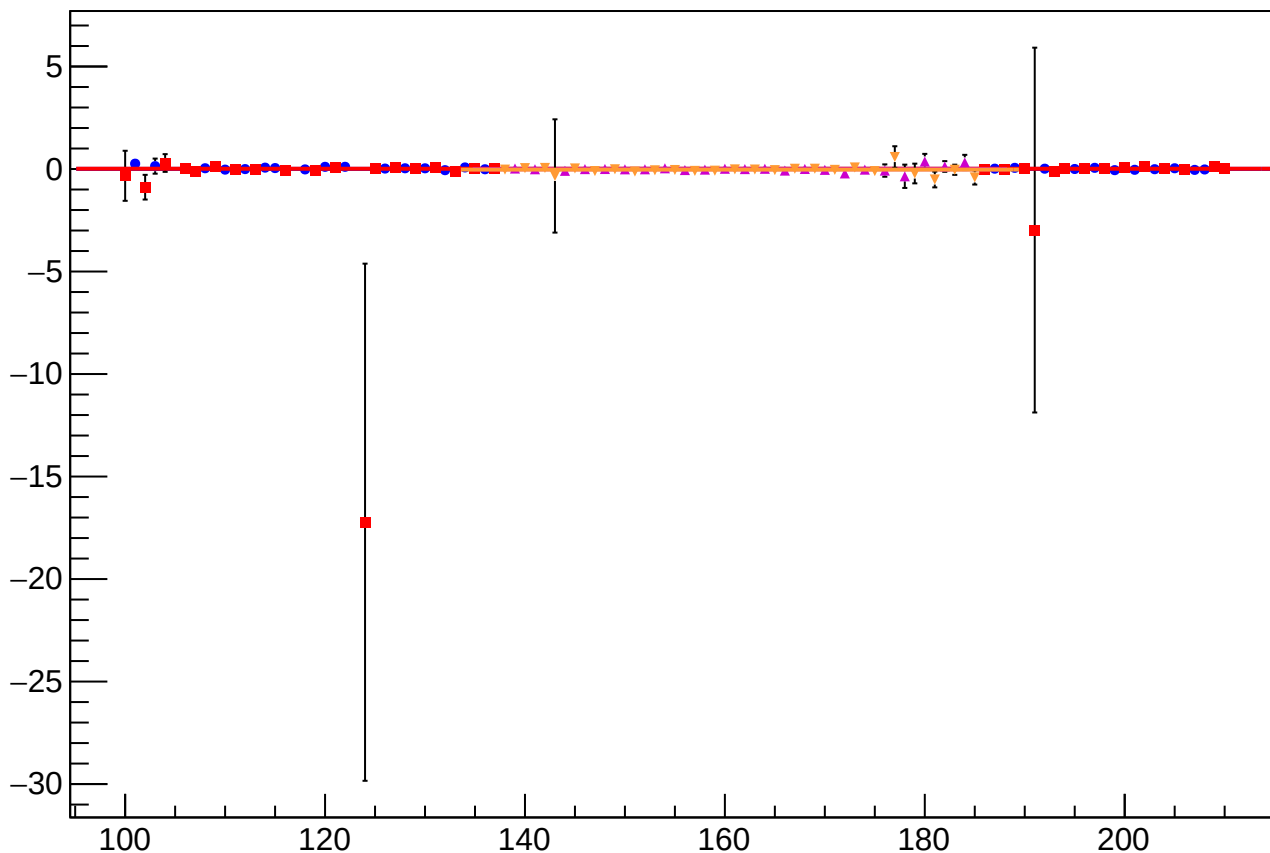
Left In: 0.000+/-0.000 χ^2/NDF : 1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 11194690.2/51

All: 0.000+/-0.000 χ^2/NDF : 24808956.6/107

- sign 0.000+/-0.000 χ^2/NDF : 13586026.1/55

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.012 χ^2/NDF : 16.2/26

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.014 ± 0.011 χ^2/NDF : 26.8/32

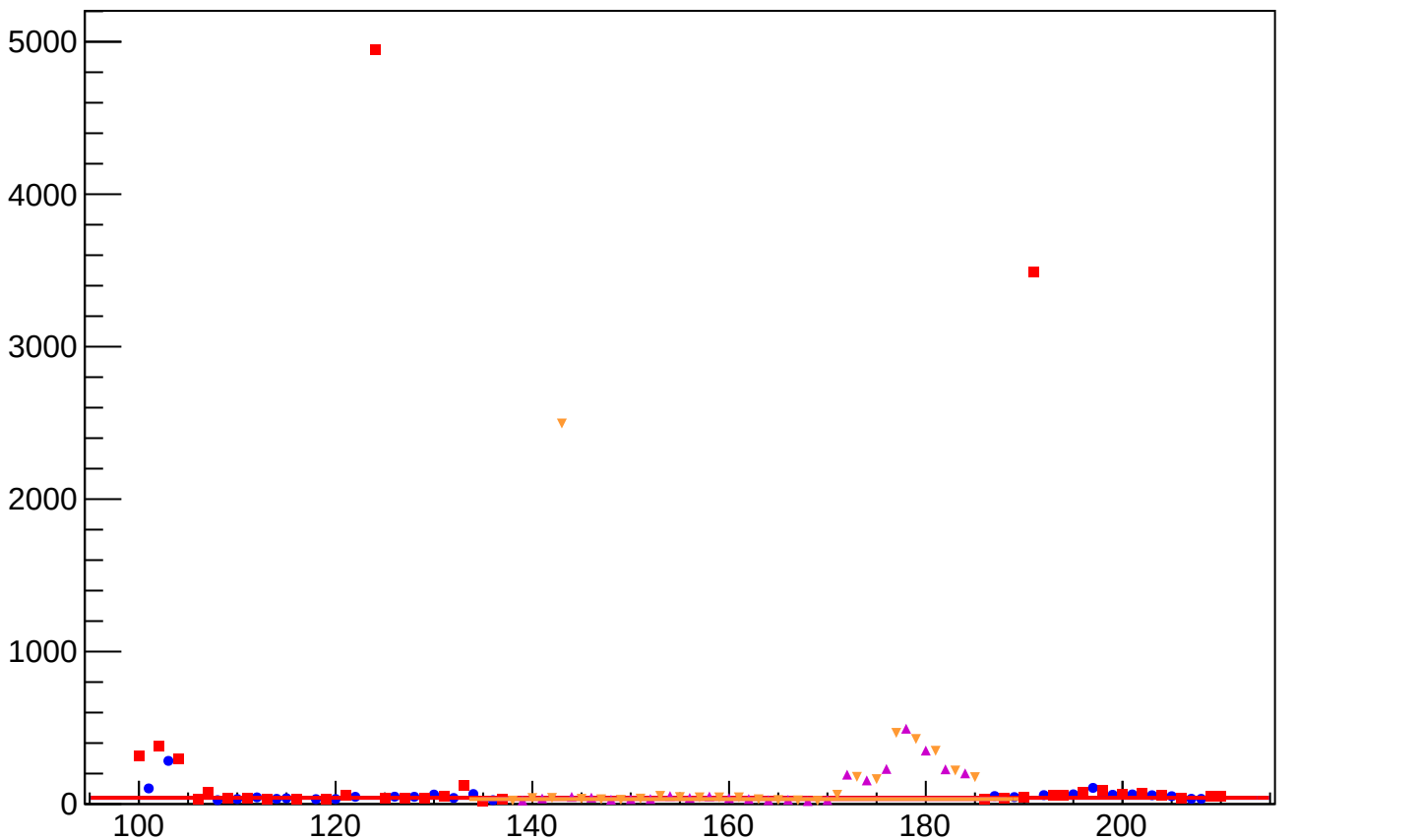
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.007 χ^2/NDF : 49.1/51

All: -0.008 ± 0.005 χ^2/NDF : 93.7/107

- sign -0.001 ± 0.007 χ^2/NDF : 42.7/55

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.030 $\pm$ 0.008 χ^2 /NDF: 4131783.1/26

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10871758.1/24

Right Out: 41.097 $\pm$ 0.008 χ^2 /NDF: 5513174.4/32

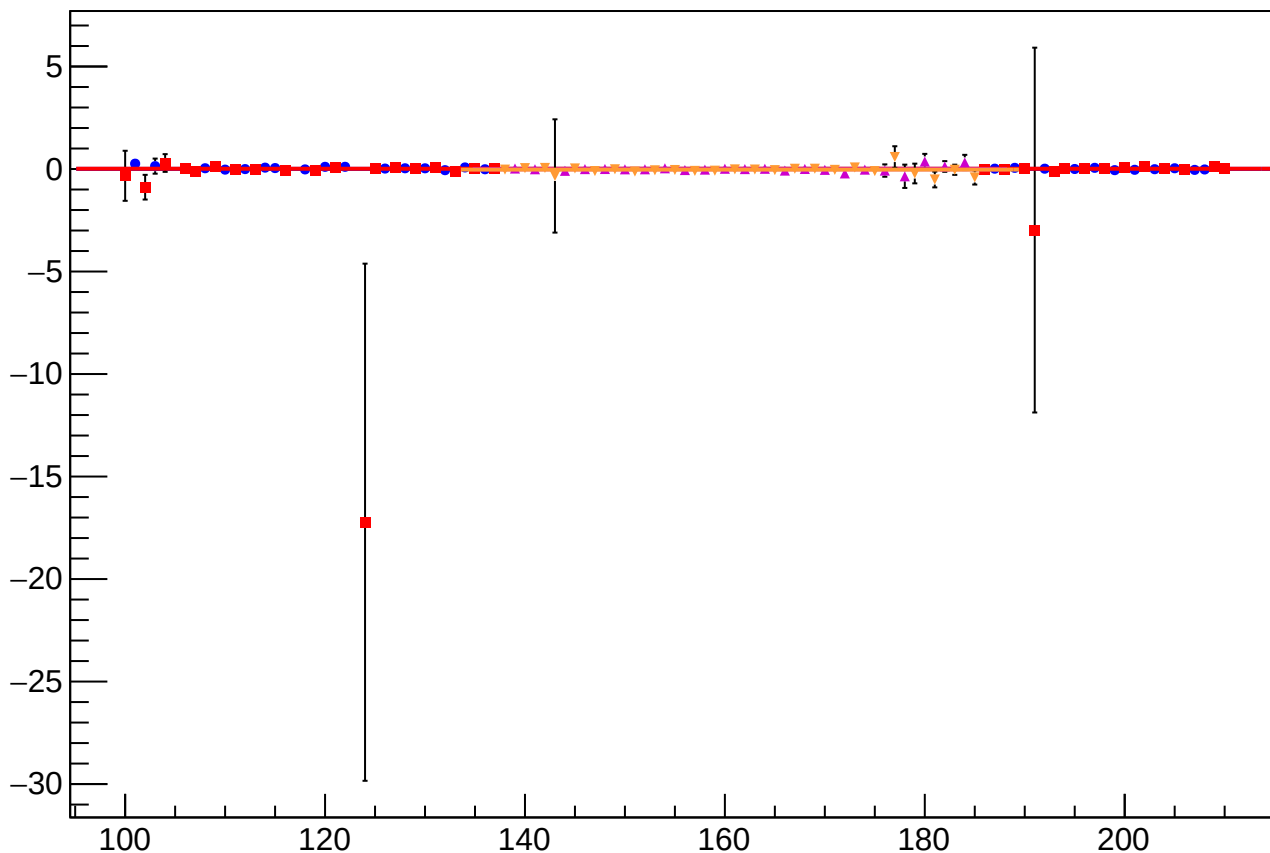
Left In: 32.738 $\pm$ 0.007 χ^2 /NDF: 8963240.8/22

+ sign 35.868 $\pm$ 0.005 χ^2 /NDF: 15624607.1/51

All: 36.034 $\pm$ 0.004 χ^2 /NDF: 30743113.2/107

- sign 36.194 $\pm$ 0.005 χ^2 /NDF: 15116539.4/55

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.012 χ^2/NDF : 16.2/26

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.014 ± 0.011 χ^2/NDF : 26.8/32

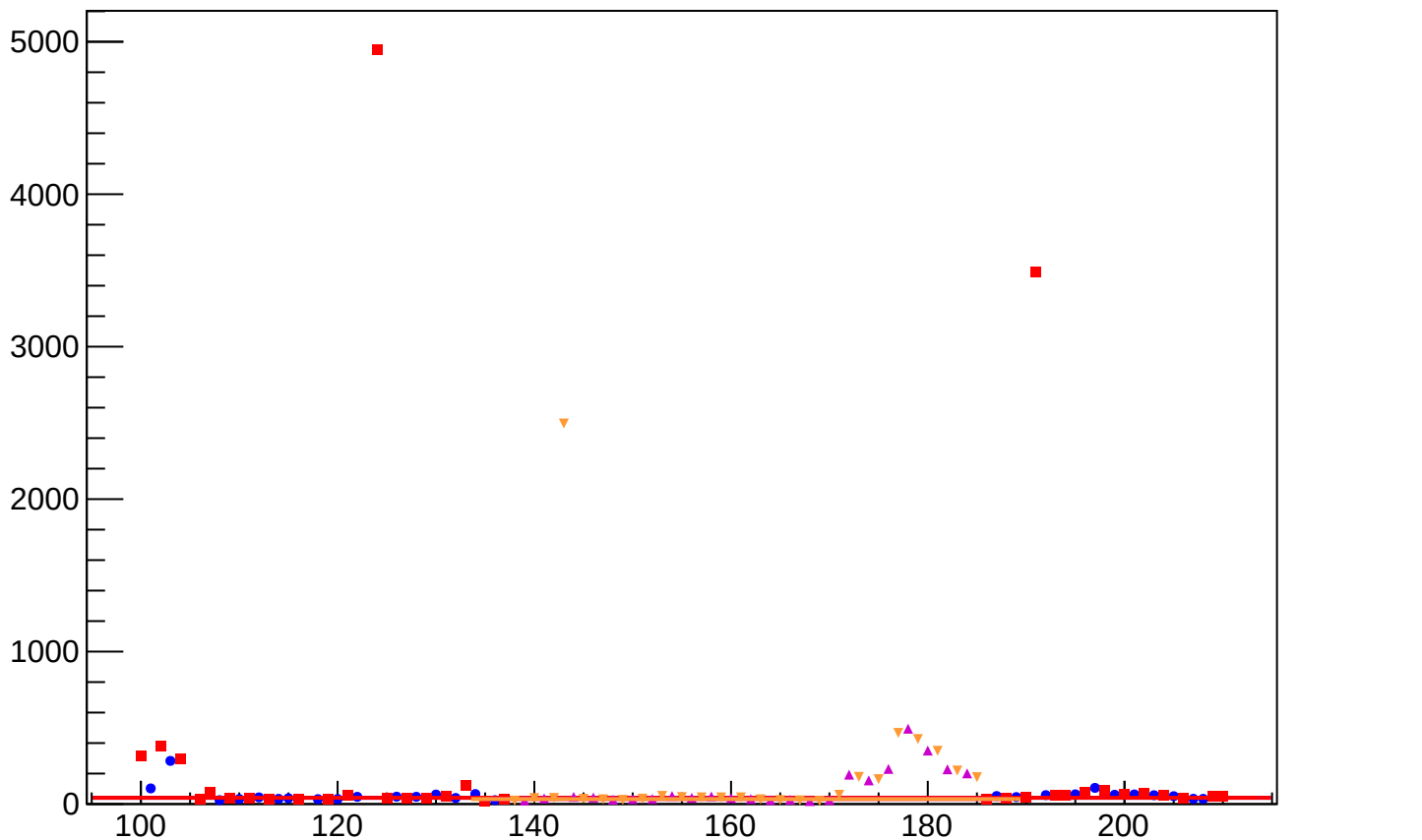
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.007 χ^2/NDF : 49.1/51

All: -0.008 ± 0.005 χ^2/NDF : 93.7/107

- sign -0.001 ± 0.007 χ^2/NDF : 42.7/55

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.030 $\pm$ 0.008 χ^2 /NDF: 4131783.1/26

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10871758.1/24

Right Out: 41.097 $\pm$ 0.008 χ^2 /NDF: 5513174.4/32

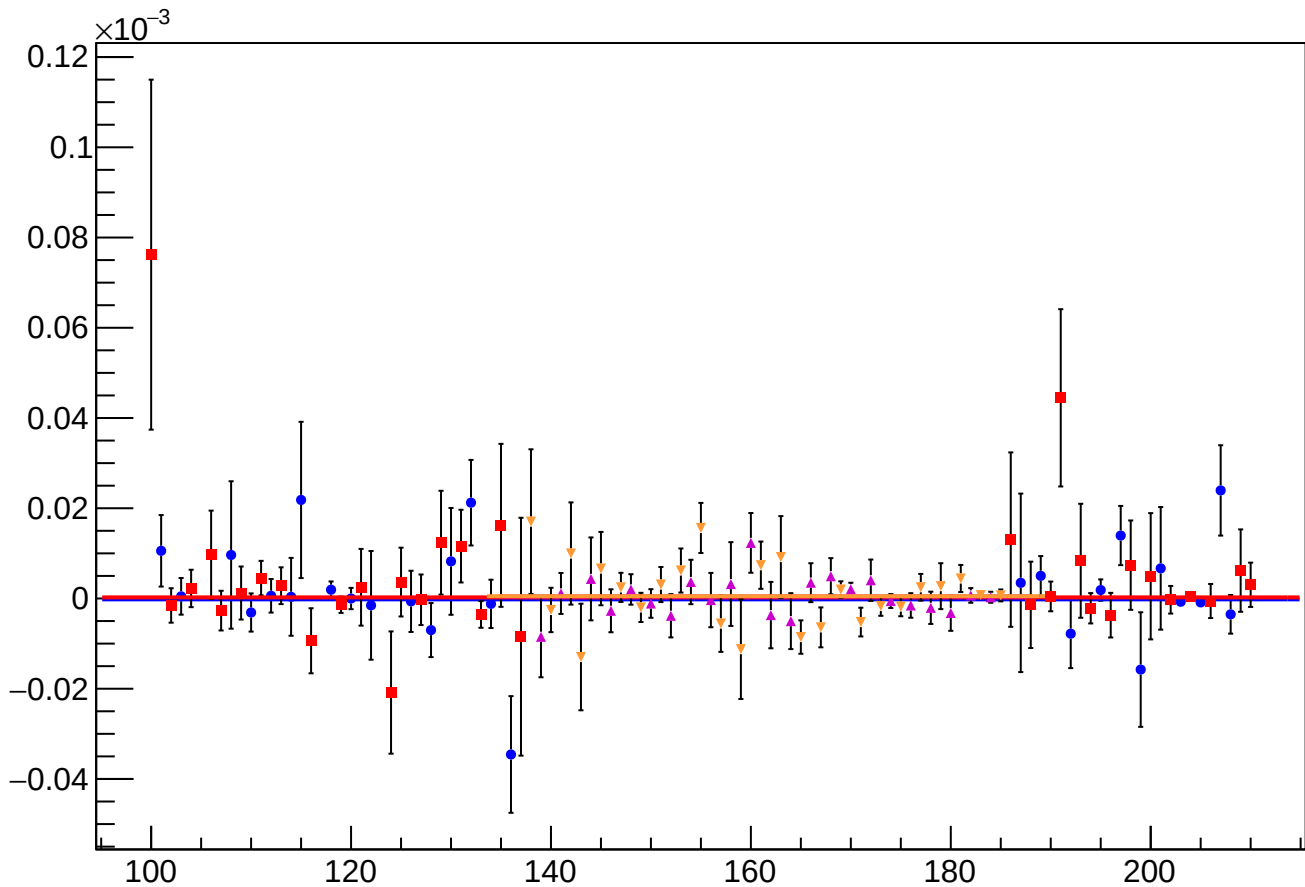
Left In: 32.738 $\pm$ 0.007 χ^2 /NDF: 8963240.8/22

+ sign 35.868 $\pm$ 0.005 χ^2 /NDF: 15624607.1/51

All: 36.034 $\pm$ 0.004 χ^2 /NDF: 30743113.2/107

- sign 36.194 $\pm$ 0.005 χ^2 /NDF: 15116539.4/55

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 36.8/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 35.7/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 26.9/32

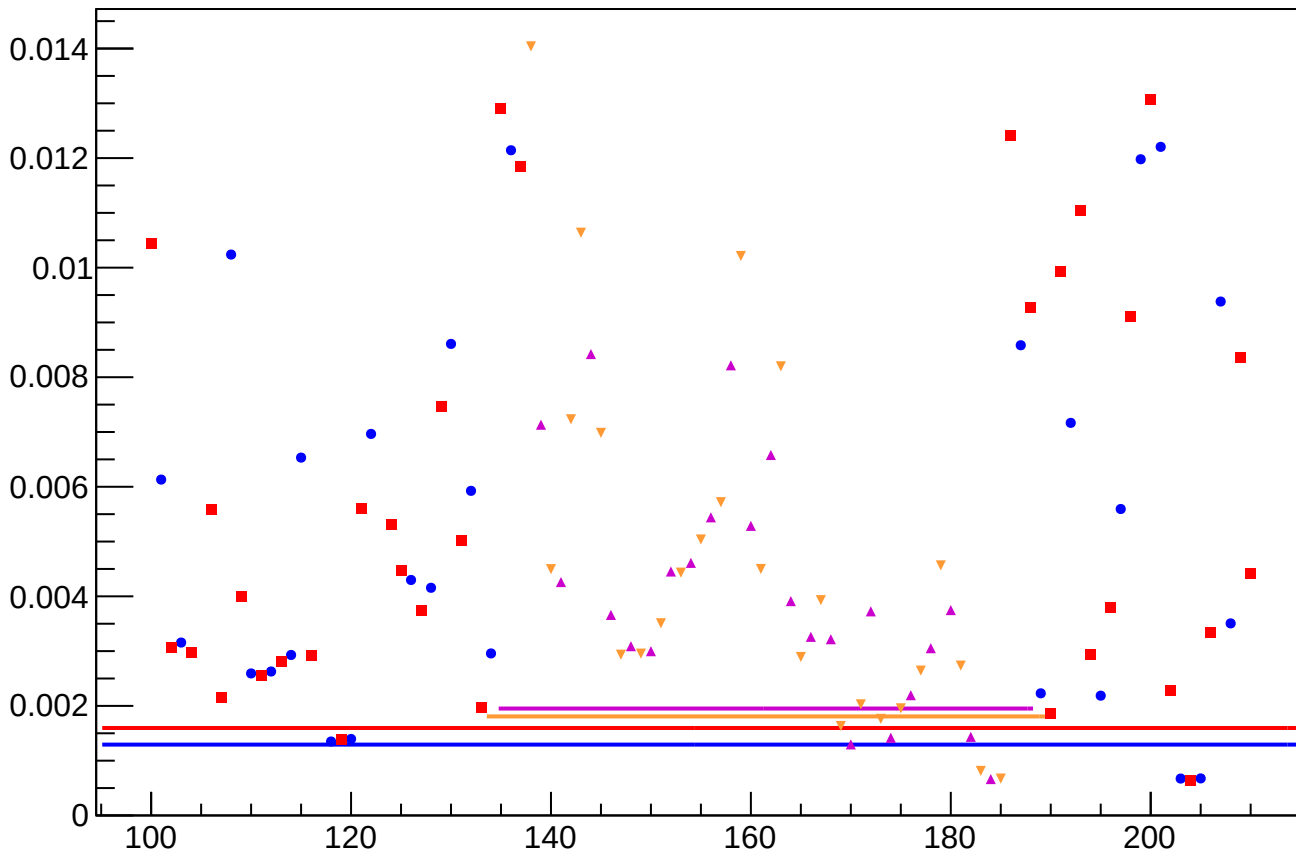
Left In: 0.000 ± 0.000 χ^2/NDF : 13.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 73.3/51

All: 0.000 ± 0.000 χ^2/NDF : 114.1/107

- sign 0.000 ± 0.000 χ^2/NDF : 40.7/55

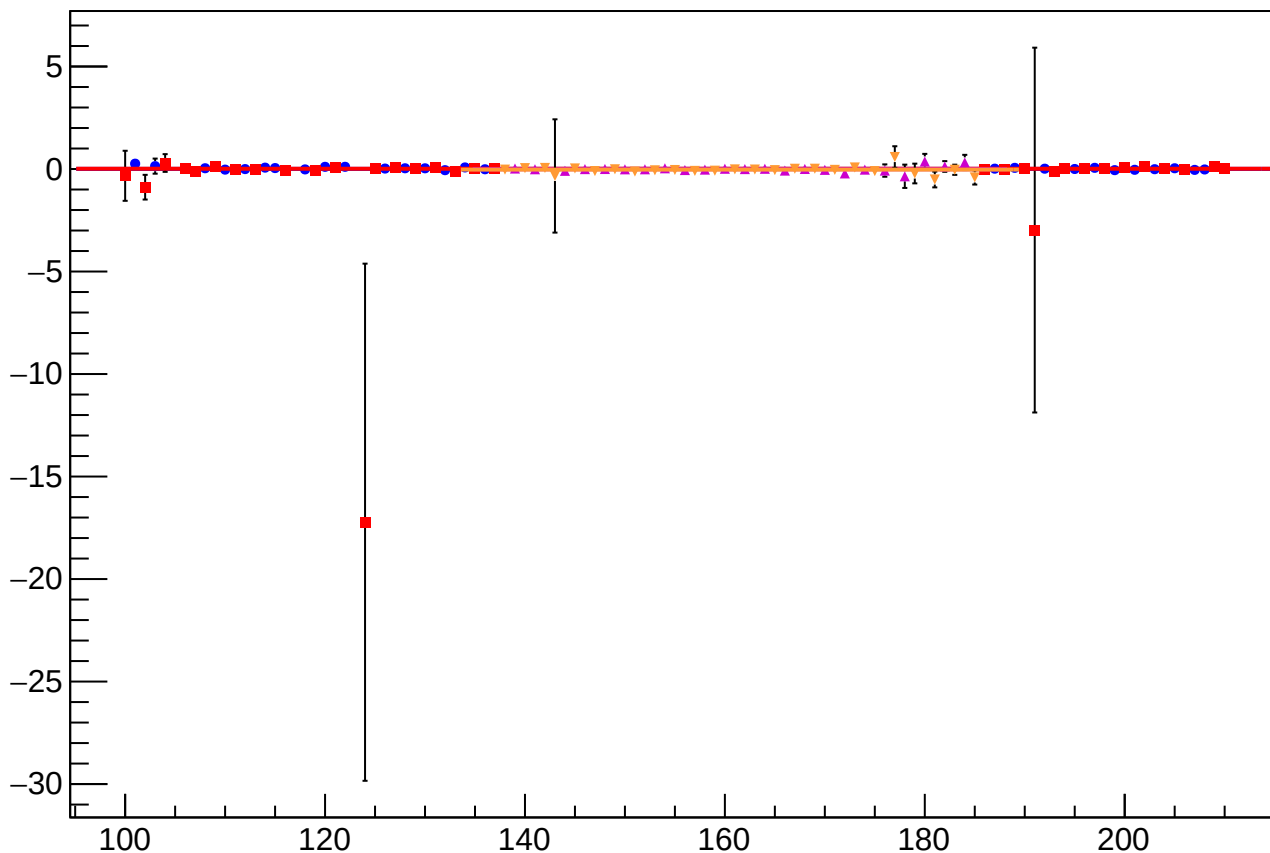
asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



+ sign 0.002 $\pm$ 0.000 $\chi^2/\text{NDF} = 31755158.4/51$

- sign 0.002 $\pm$ 0.000 $\chi^2/\text{NDF} = 29057858.7/55$

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.012 χ^2/NDF : 16.2/26

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.014 ± 0.011 χ^2/NDF : 26.8/32

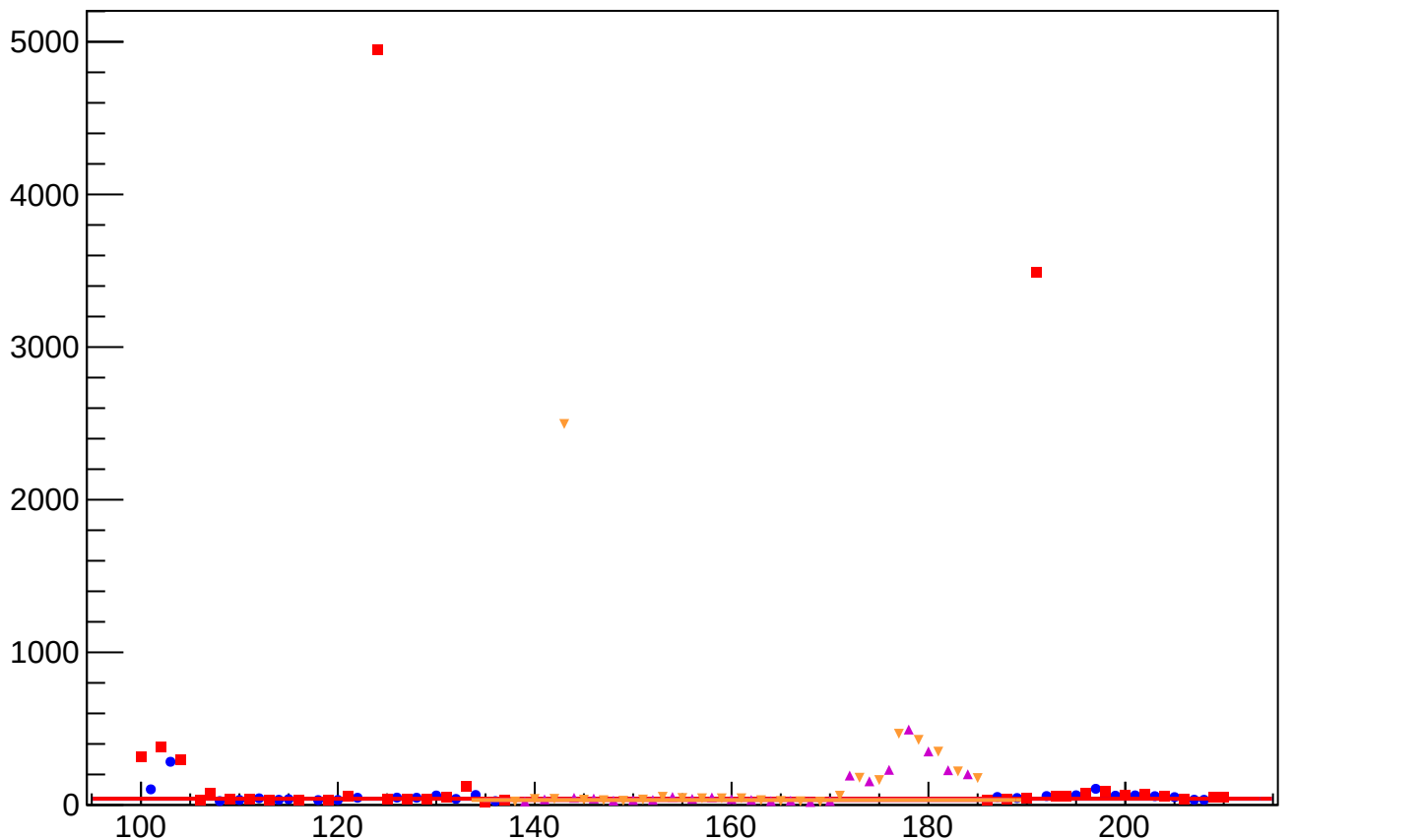
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.007 χ^2/NDF : 49.1/51

All: -0.008 ± 0.005 χ^2/NDF : 93.7/107

- sign -0.001 ± 0.007 χ^2/NDF : 42.7/55

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.030+/-0.008 χ^2/NDF : 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF : 10872015.8/24

Right Out: 41.097+/-0.008 χ^2/NDF : 5512968.5/32

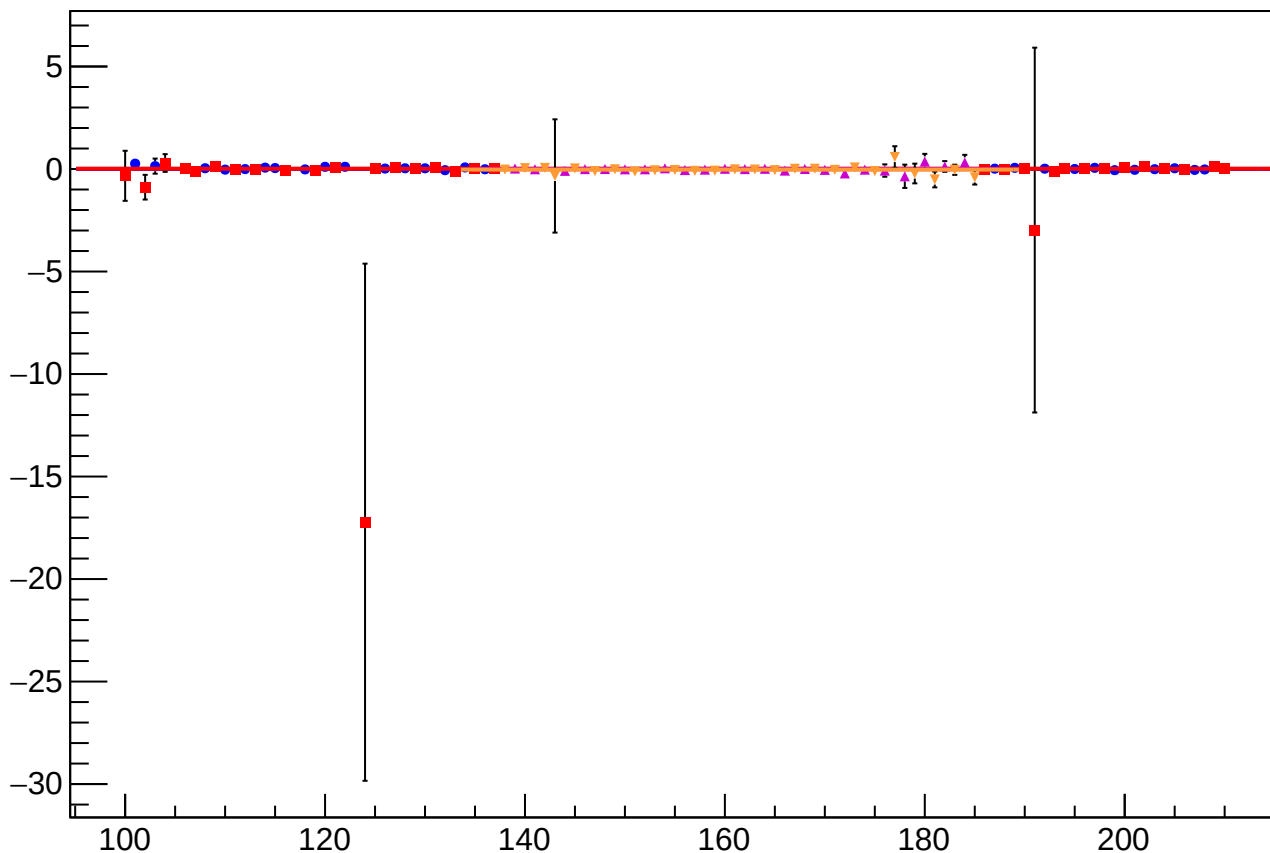
Left In: 32.737+/-0.007 χ^2/NDF : 8963873.9/22

+ sign 35.868+/-0.005 χ^2/NDF : 15624558.0/51

All: 36.034+/-0.004 χ^2/NDF : 30743703.3/107

- sign 36.193+/-0.005 χ^2/NDF : 15117187.4/55

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.012 χ^2/NDF : 16.2/26

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.014 ± 0.011 χ^2/NDF : 26.8/32

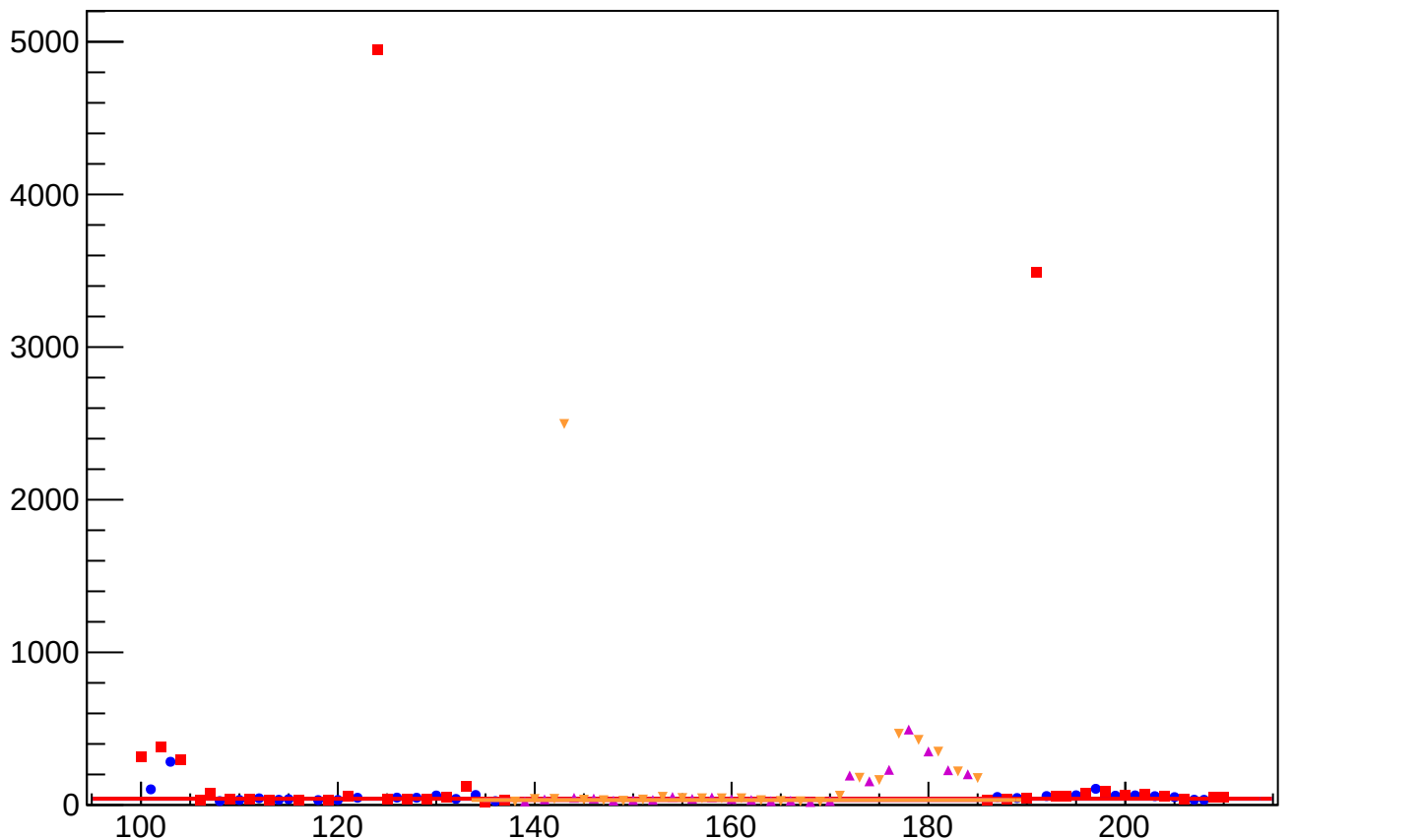
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.007 χ^2/NDF : 49.1/51

All: -0.008 ± 0.005 χ^2/NDF : 93.7/107

- sign -0.001 ± 0.007 χ^2/NDF : 42.7/55

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.030+/-0.008 χ^2 /NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2 /NDF:10872015.8/24

Right Out: 41.097+/-0.008 χ^2 /NDF: 5512968.5/32

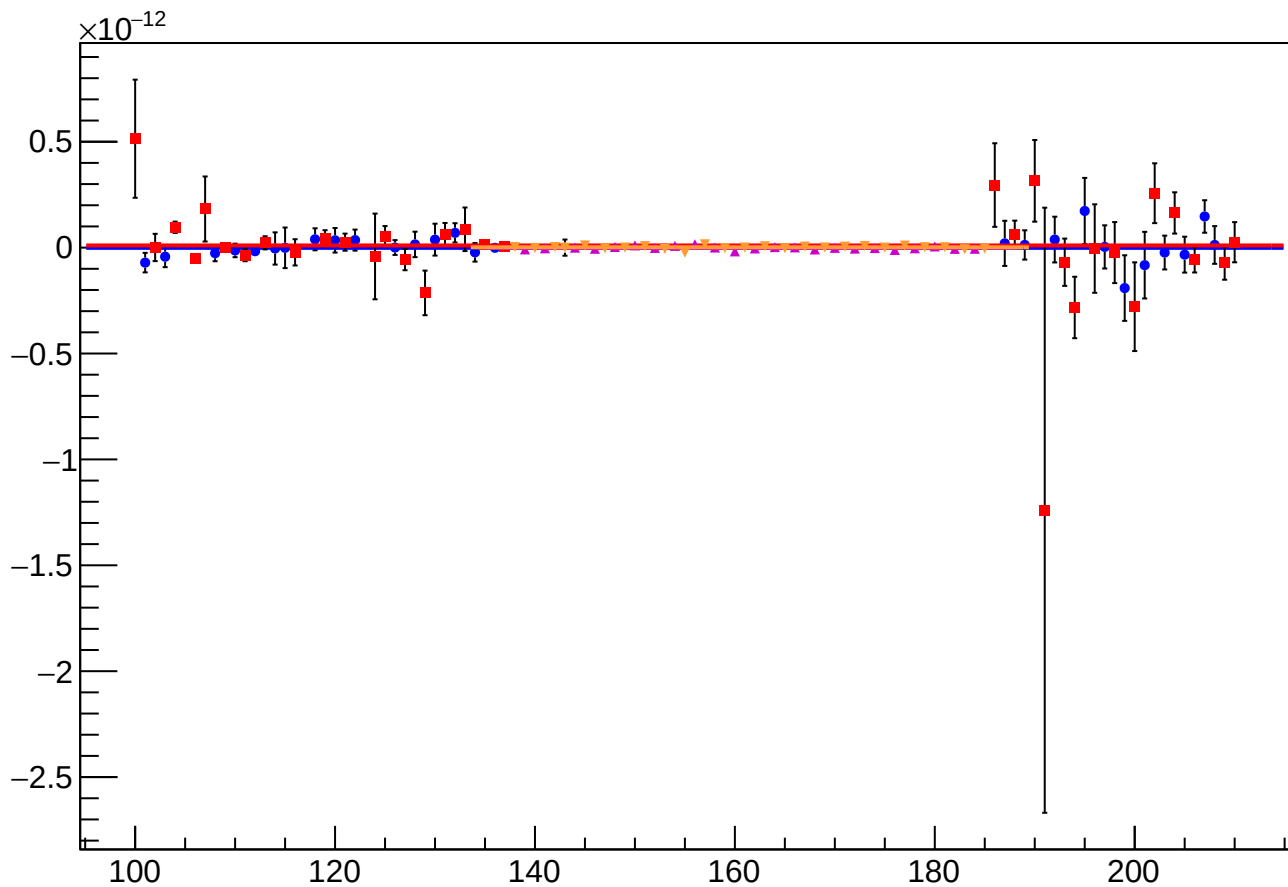
Left In: 32.737+/-0.007 χ^2 /NDF:8963873.9/22

+ sign 35.868+/-0.005 χ^2 /NDF: 15624558.0/51

All: 36.034+/-0.004 χ^2 /NDF: 30743703.3/107

- sign 36.193+/-0.005 χ^2 /NDF: 15117187.4/55

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF : 18.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 60.3/32

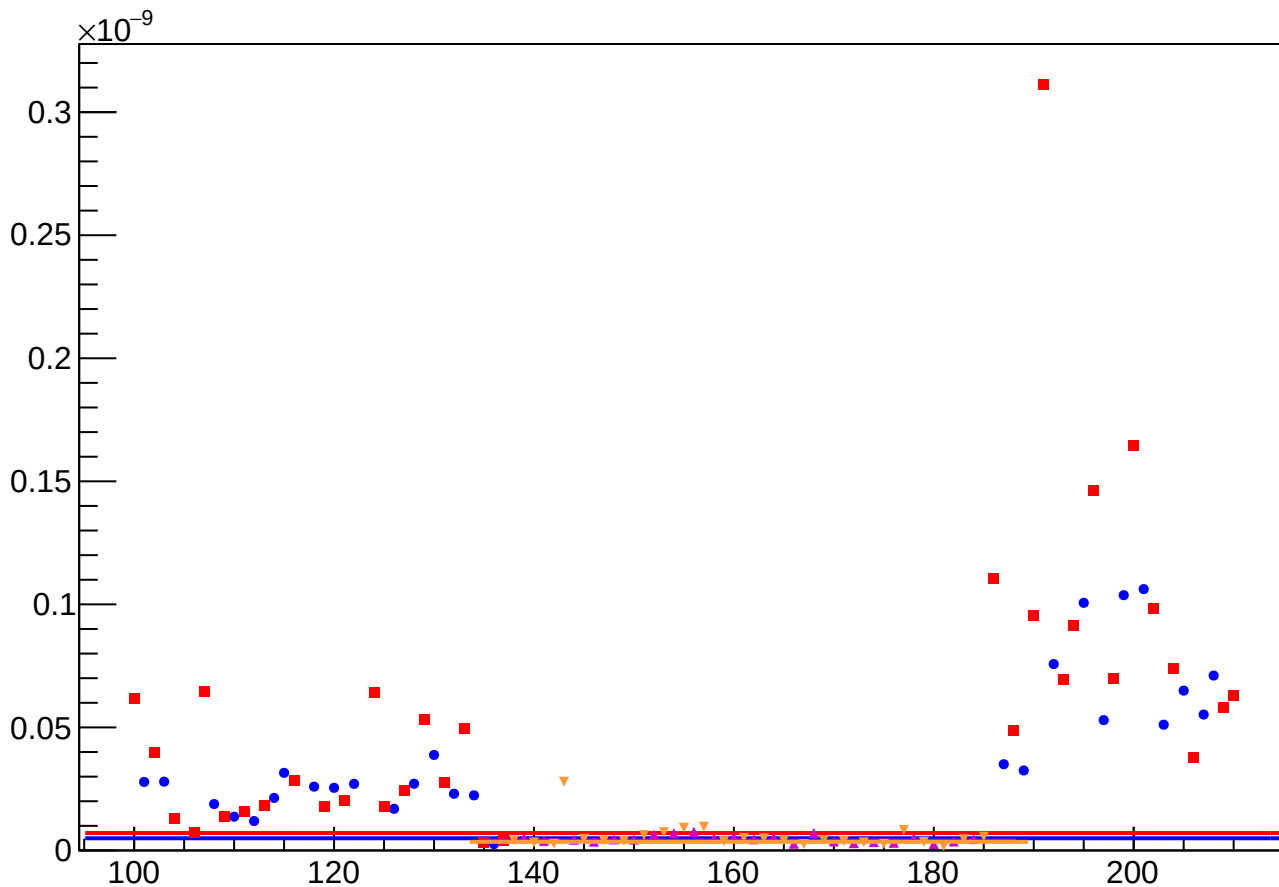
Left In: -0.000+/-0.000 χ^2/NDF : 28.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 34.4/51

All: 0.000+/-0.000 χ^2/NDF : 131.8/107

- sign -0.000+/-0.000 χ^2/NDF : 96.2/55

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12981532.3/26

Left Out: 0.000+/-0.000 χ^2/NDF : 4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14430721.4/32

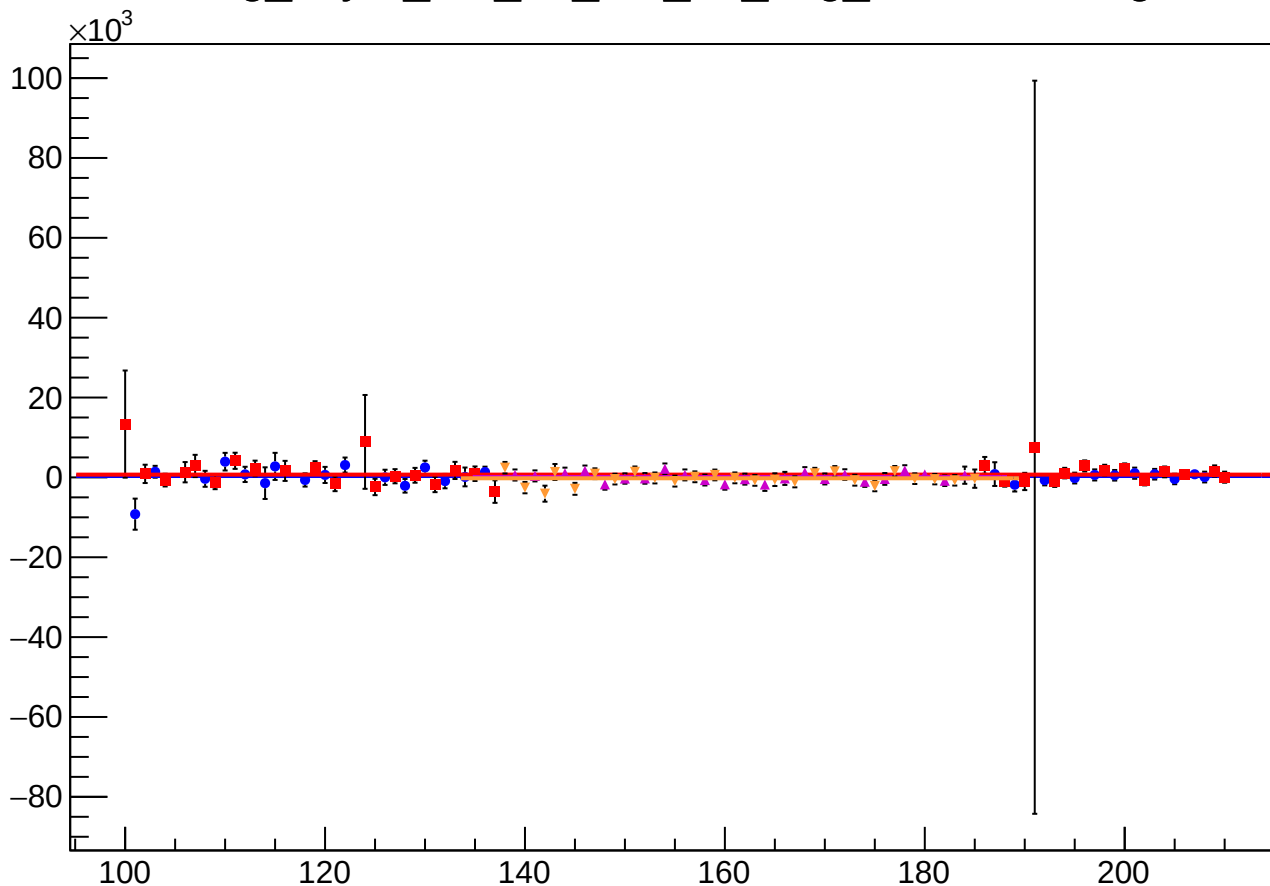
Left In: 0.000+/-0.000 χ^2/NDF : 2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 18003535.1/51

All: 0.000+/-0.000 χ^2/NDF : 35851458.7/107

- sign 0.000+/-0.000 χ^2/NDF : 17554122.1/55

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 344.651+/-318.962 χ^2/NDF : 20.7/26

Left Out: -220.721+/-283.055 χ^2/NDF : 23.9/24

Right Out: 694.102+/-303.603 χ^2/NDF : 28.0/32

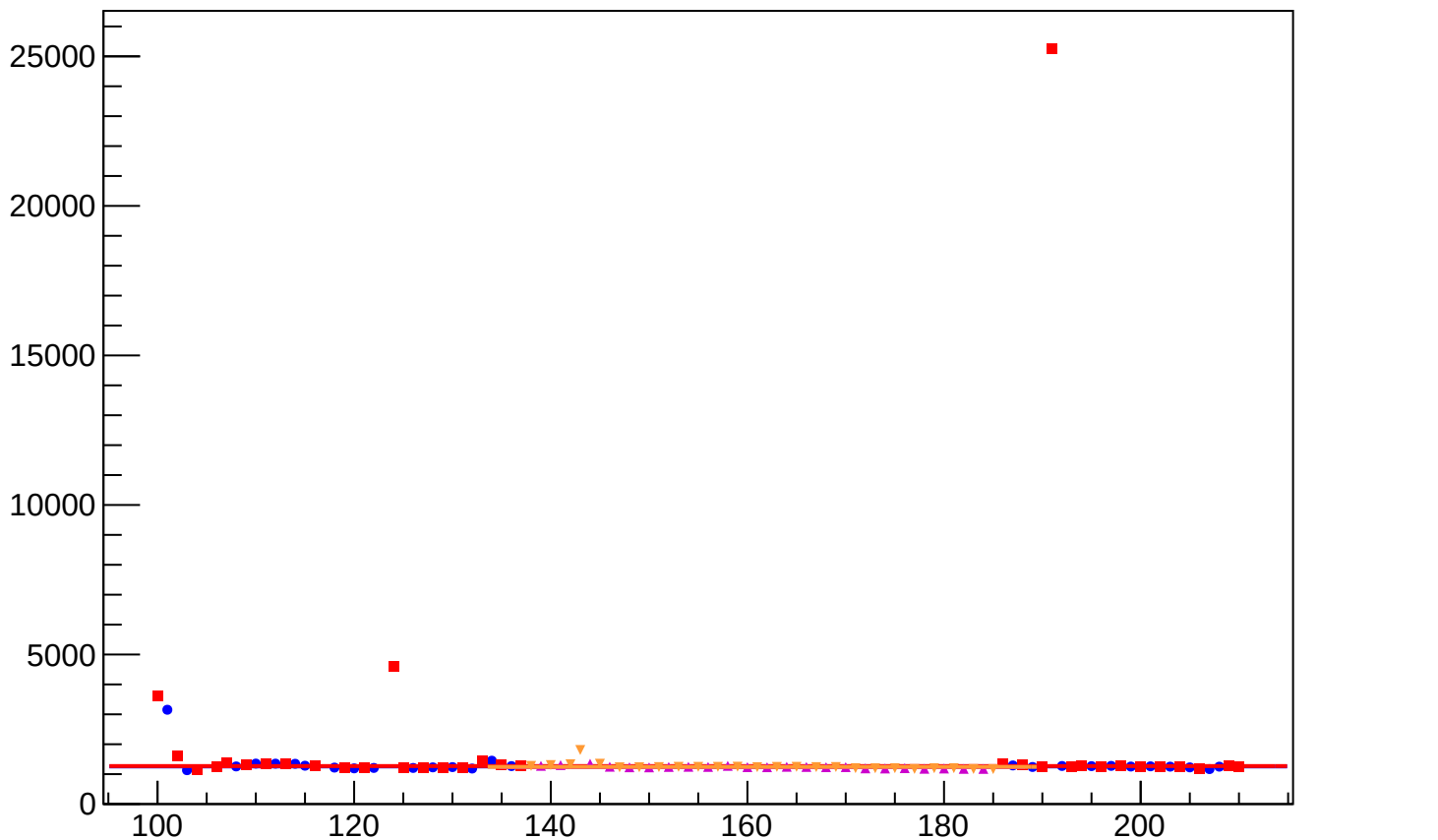
Left In: 92.402+/-288.217 χ^2/NDF : 14.7/22

+ sign 28.363+/-211.712 χ^2/NDF : 46.4/51

All: 205.219+/-148.745 χ^2/NDF : 92.5/107

- sign 377.620+/-209.028 χ^2/NDF : 44.7/55

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1258.016 $\pm$ 0.226 χ^2 /NDF: 533914.5/26

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1270.260 $\pm$ 0.215 χ^2 /NDF: 486678.6/32

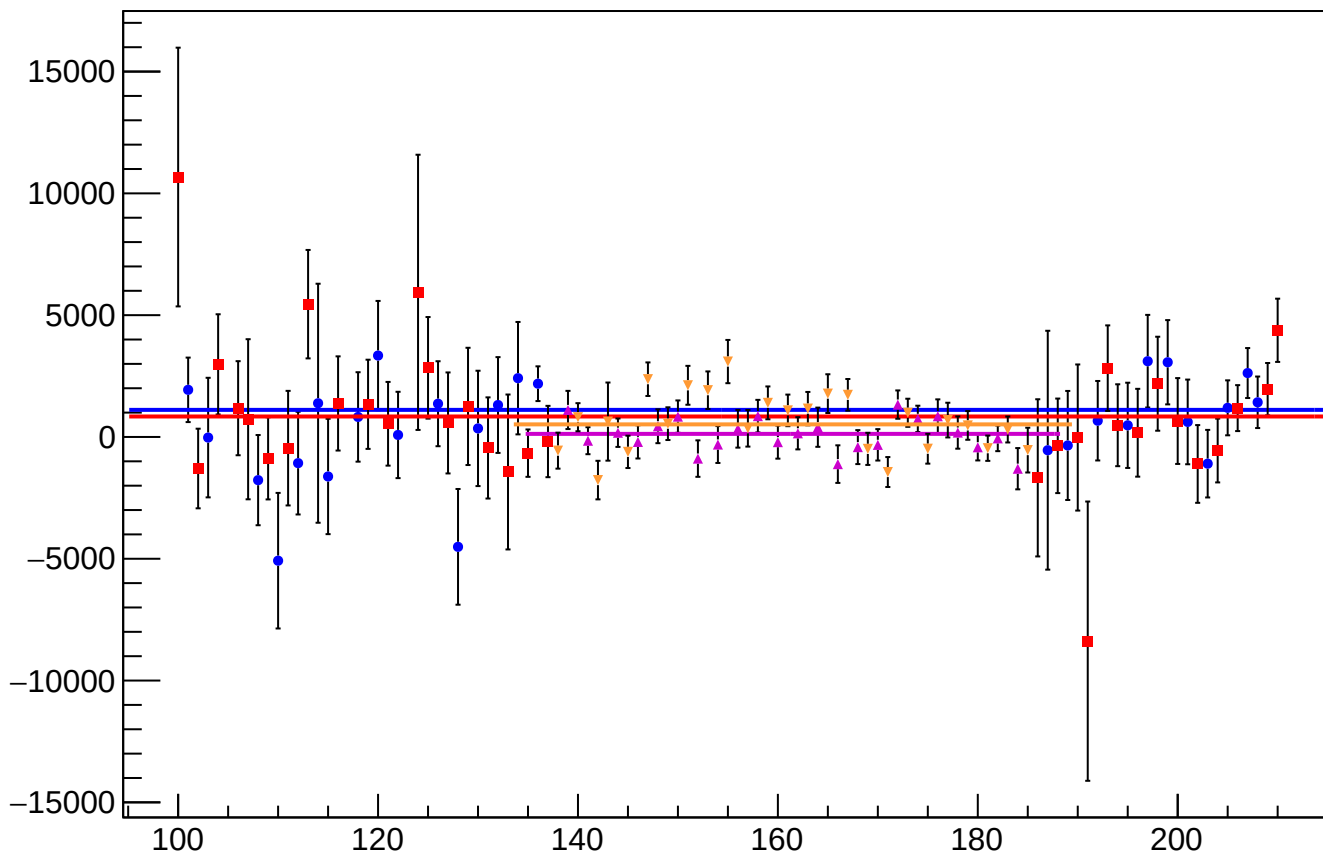
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.8/22

+ sign 1249.518 $\pm$ 0.150 χ^2 /NDF: 739751.6/51

All: 1250.297 $\pm$ 0.105 χ^2 /NDF: 1280976.5/100

- sign 1251.058 $\pm$ 0.148 χ^2 /NDF: 541171.4/55

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug



Right In: 1112.108 $\pm$ 307.872 χ^2 /NDF: 28.1/26

Left Out: 516.792 $\pm$ 135.746 χ^2 /NDF: 67.0/24

Right Out: 840.628 $\pm$ 304.190 χ^2 /NDF: 34.5/32

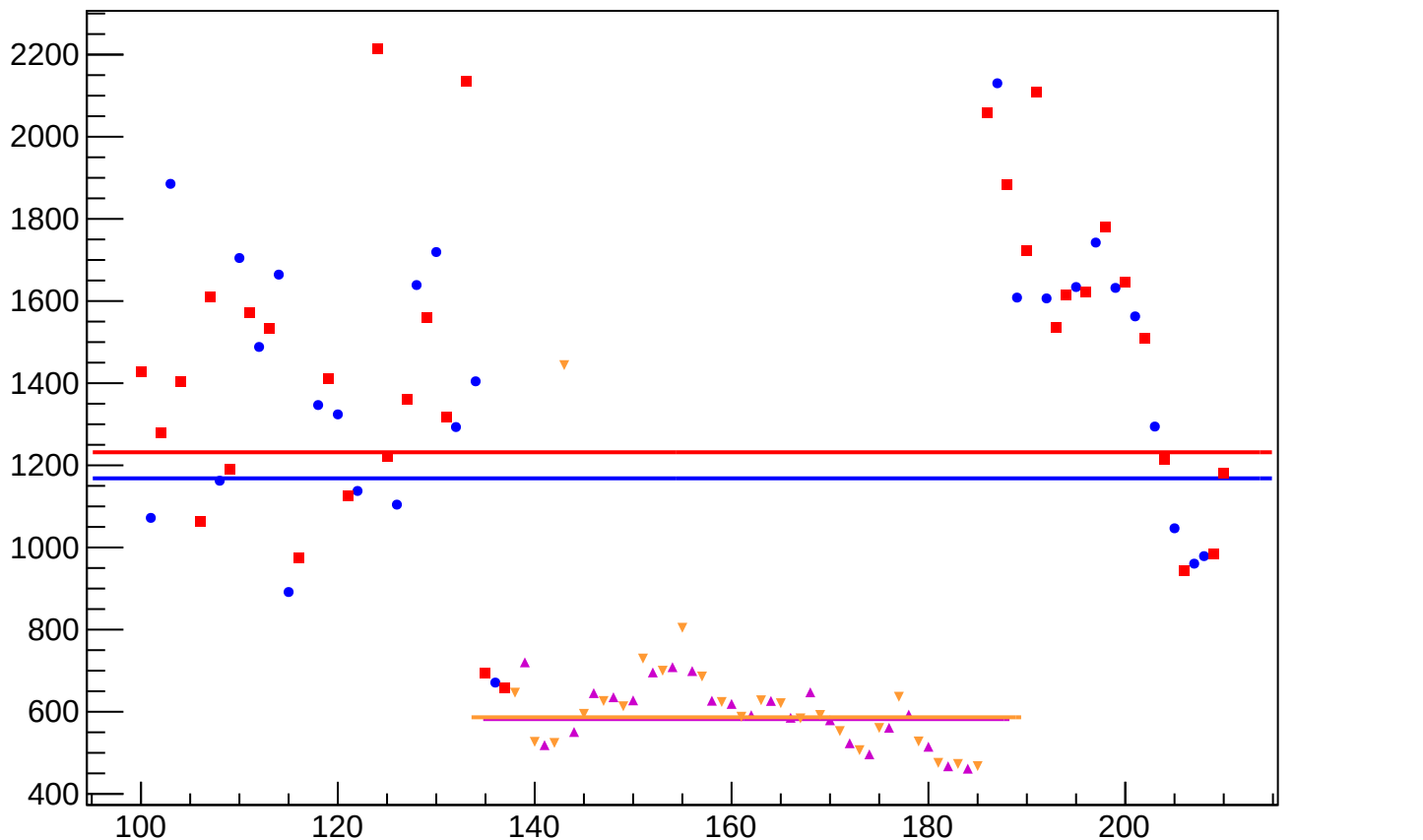
Left In: 126.569 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 613.689 $\pm$ 124.208 χ^2 /NDF: 98.2/51

All: 431.867 $\pm$ 88.148 χ^2 /NDF: 163.2/107

- sign 247.373 $\pm$ 125.117 χ^2 /NDF: 60.7/55

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1168.338 $\pm$ 0.218 χ^2 /NDF: 2625141.7/26

Left Out: 586.557 $\pm$ 0.096 χ^2 /NDF: 1202915.7/24

Right Out: 1231.803 $\pm$ 0.215 χ^2 /NDF: 2734025.8/32

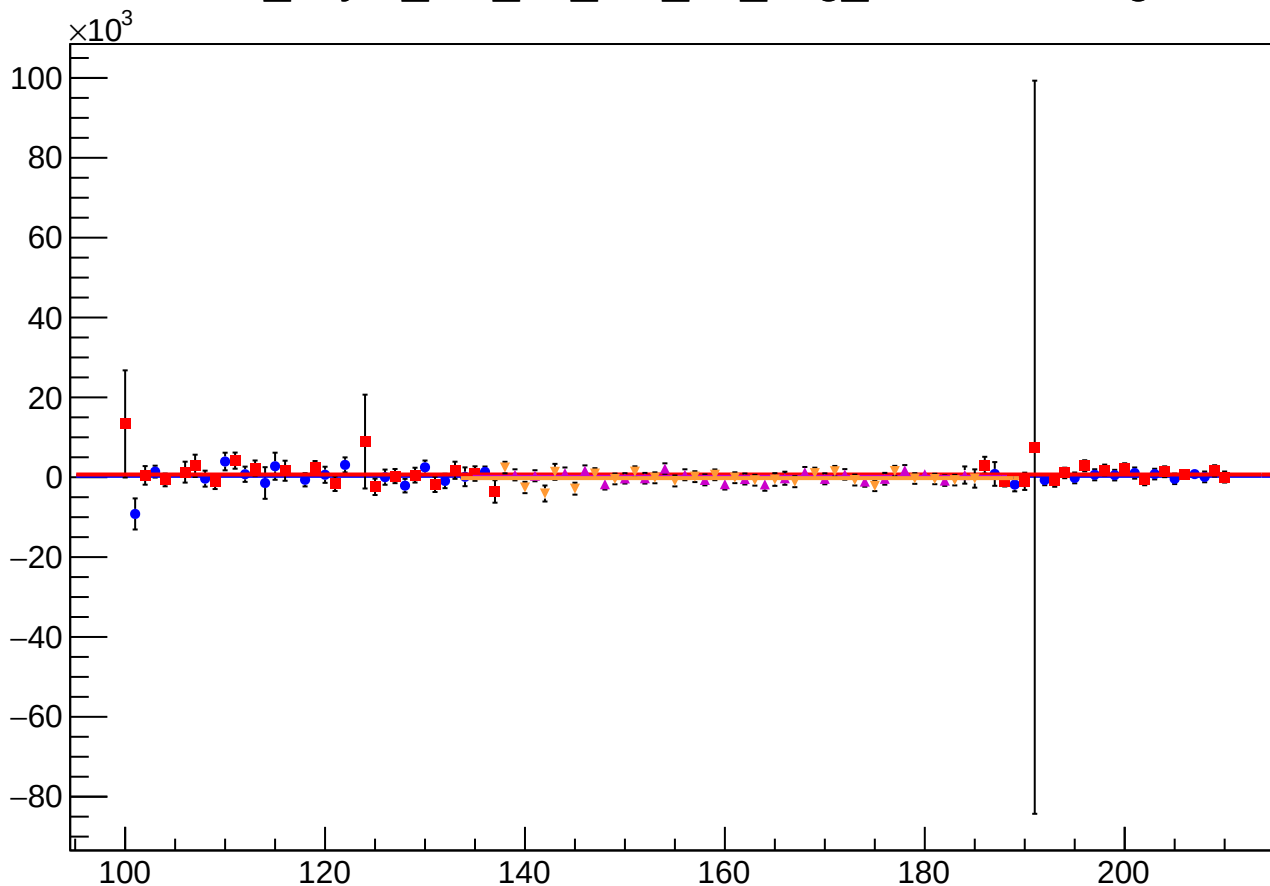
Left In: 582.190 $\pm$ 0.097 χ^2 /NDF: 559261.3/22

+ sign 681.251 $\pm$ 0.088 χ^2 /NDF: 9807434.2/51

All: 686.632 $\pm$ 0.062 χ^2 /NDF: 20686332.1/10

- sign 692.091 $\pm$ 0.088 χ^2 /NDF: 10871337.0/55

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 344.856 $\pm$ 318.962 χ^2 /NDF: 20.7/26

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 686.170 $\pm$ 303.809 χ^2 /NDF: 28.0/32

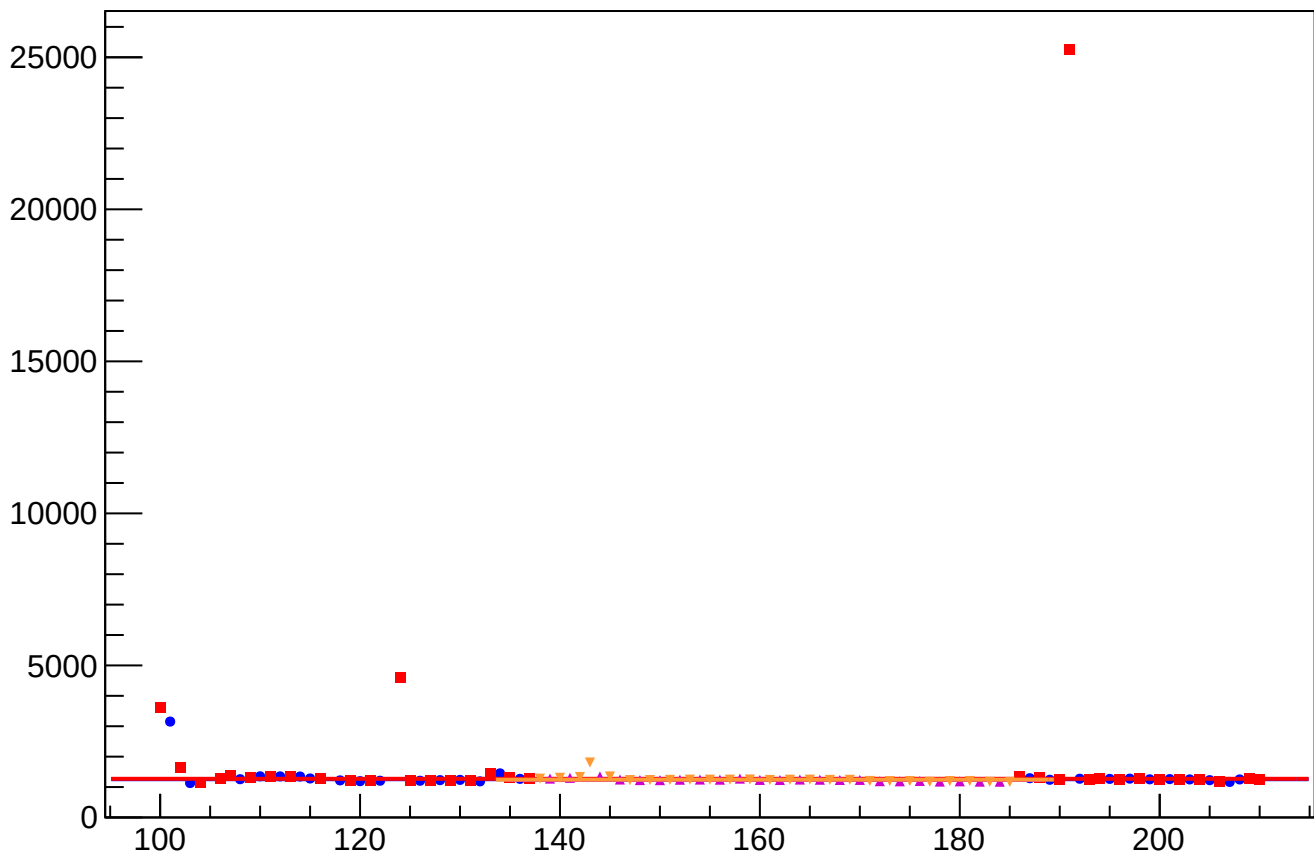
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign 28.434 $\pm$ 211.712 χ^2 /NDF: 46.3/51

All: 203.212 $\pm$ 148.769 χ^2 /NDF: 92.4/107

- sign 373.696 $\pm$ 209.095 χ^2 /NDF: 44.7/55

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1258.016 $\pm$ 0.226 χ^2 /NDF: 533915.9/26

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1271.156 $\pm$ 0.215 χ^2 /NDF: 493837.0/32

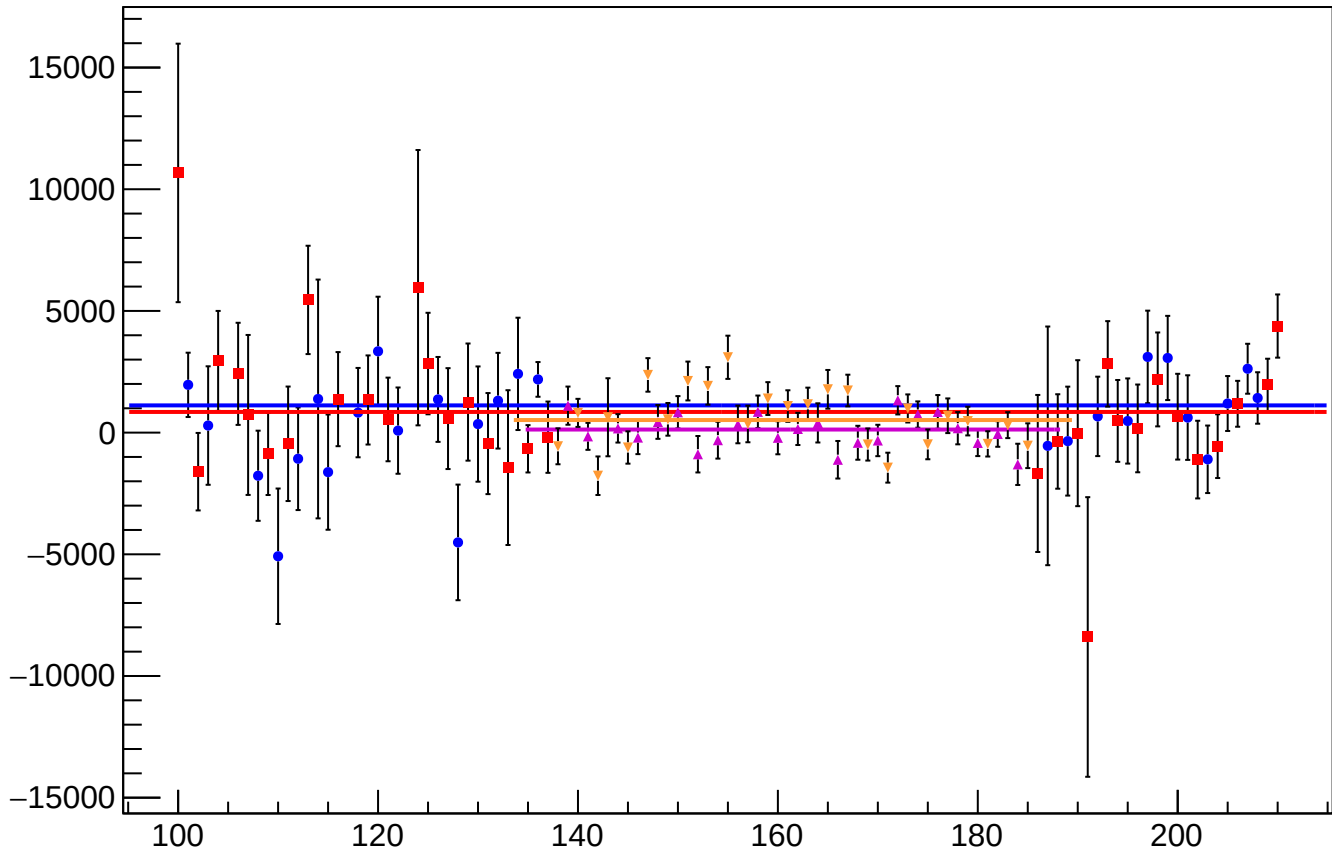
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1249.517 $\pm$ 0.150 χ^2 /NDF: 739752.9/51

All: 1250.506 $\pm$ 0.105 χ^2 /NDF: 1288912.7/10

- sign 1251.470 $\pm$ 0.148 χ^2 /NDF: 549073.8/55

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug



Right In: 1118.543 $\pm$ 307.805 χ^2 /NDF: 28.0/26

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 849.482 $\pm$ 304.473 χ^2 /NDF: 35.7/32

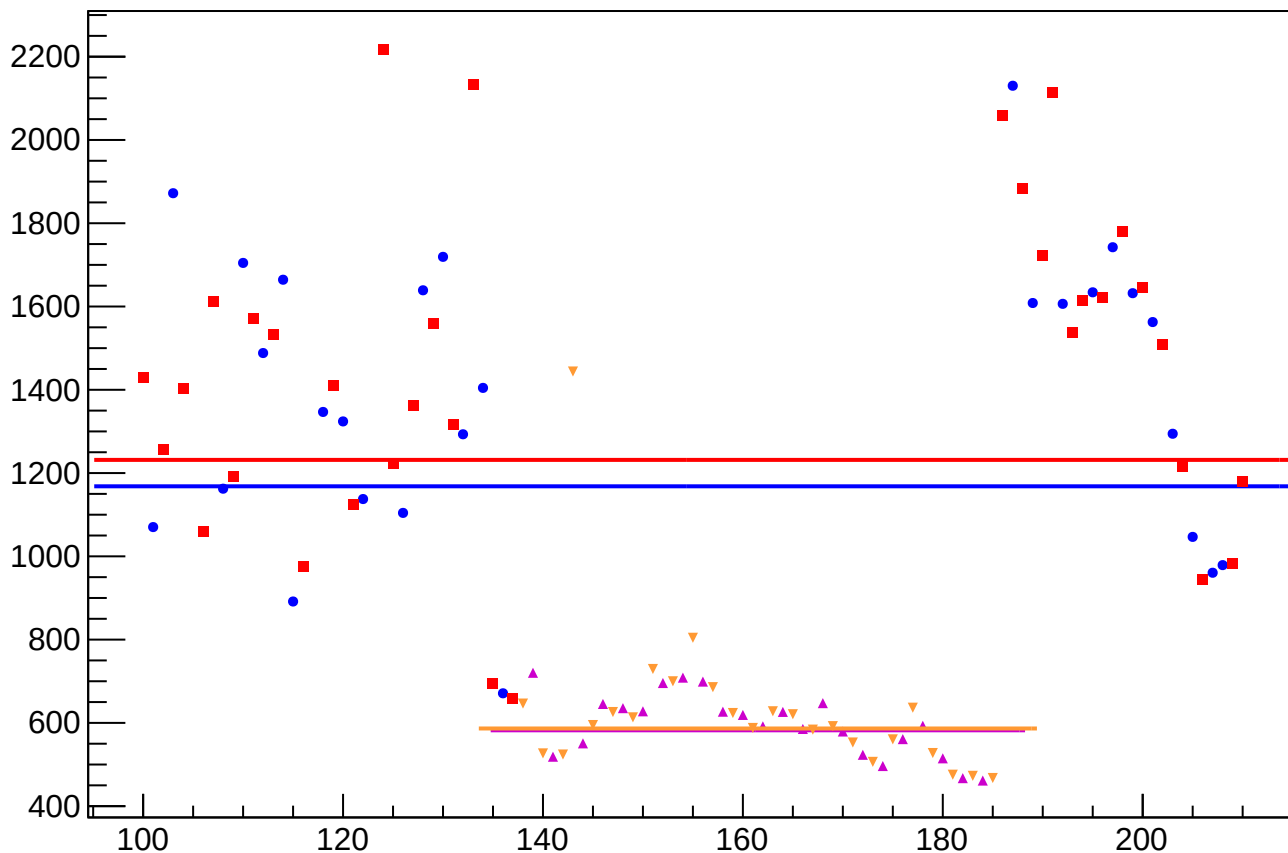
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 614.789 $\pm$ 124.205 χ^2 /NDF: 98.2/51

All: 433.096 $\pm$ 88.154 χ^2 /NDF: 164.5/107

- sign 248.665 $\pm$ 125.137 χ^2 /NDF: 61.9/55

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1168.199+/-0.218 χ^2/NDF : 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF : 1202822.0/24

Right Out: 1231.638+/-0.215 χ^2/NDF : 2731360.8/32

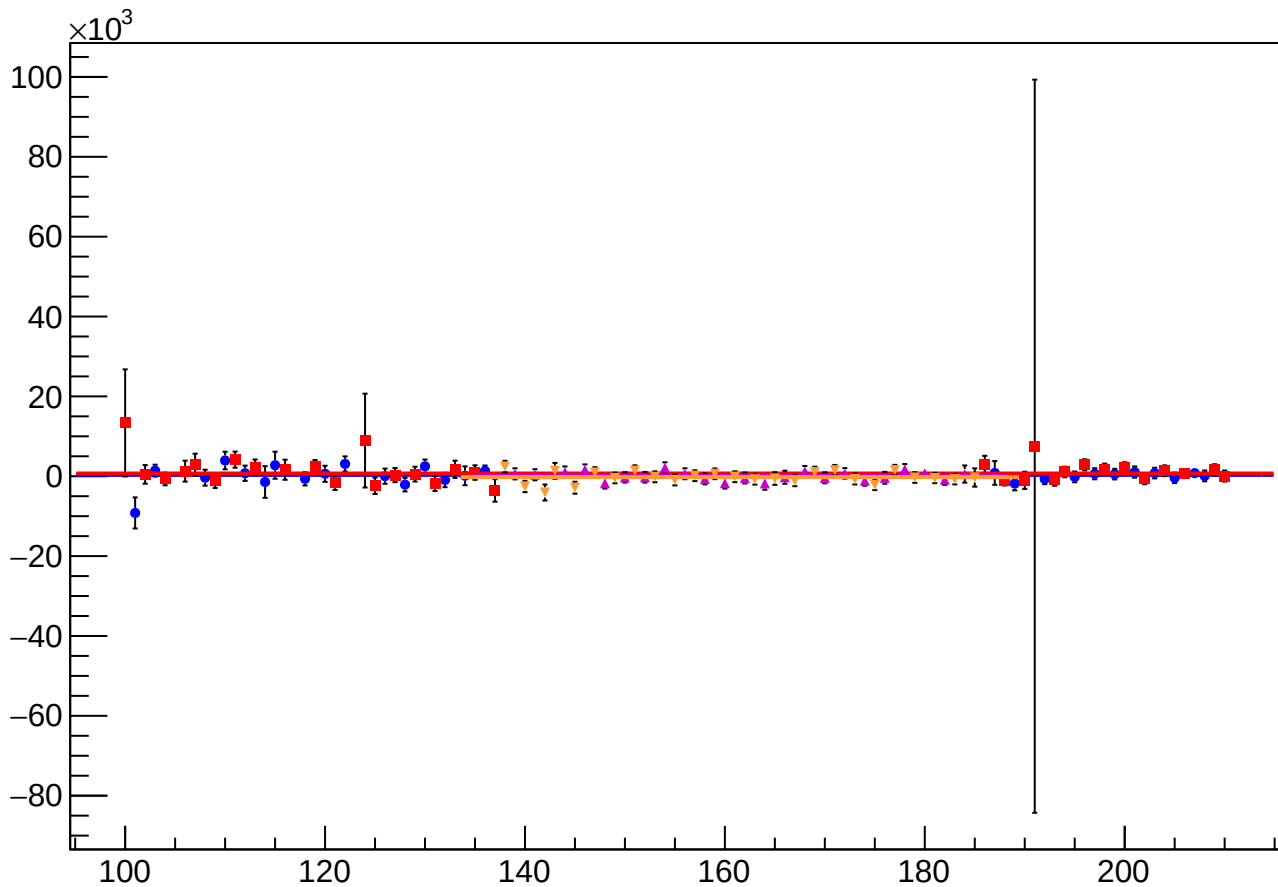
Left In: 582.189+/-0.097 χ^2/NDF : 559258.0/22

+ sign 681.268+/-0.088 χ^2/NDF : 9803510.4/51

All: 686.540+/-0.062 χ^2/NDF : 20663928.3/10

- sign 691.891+/-0.088 χ^2/NDF : 10853157.3/55

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 344.856+/-318.962 χ^2/NDF : 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF : 23.9/24

Right Out: 686.170+/-303.809 χ^2/NDF : 28.0/32

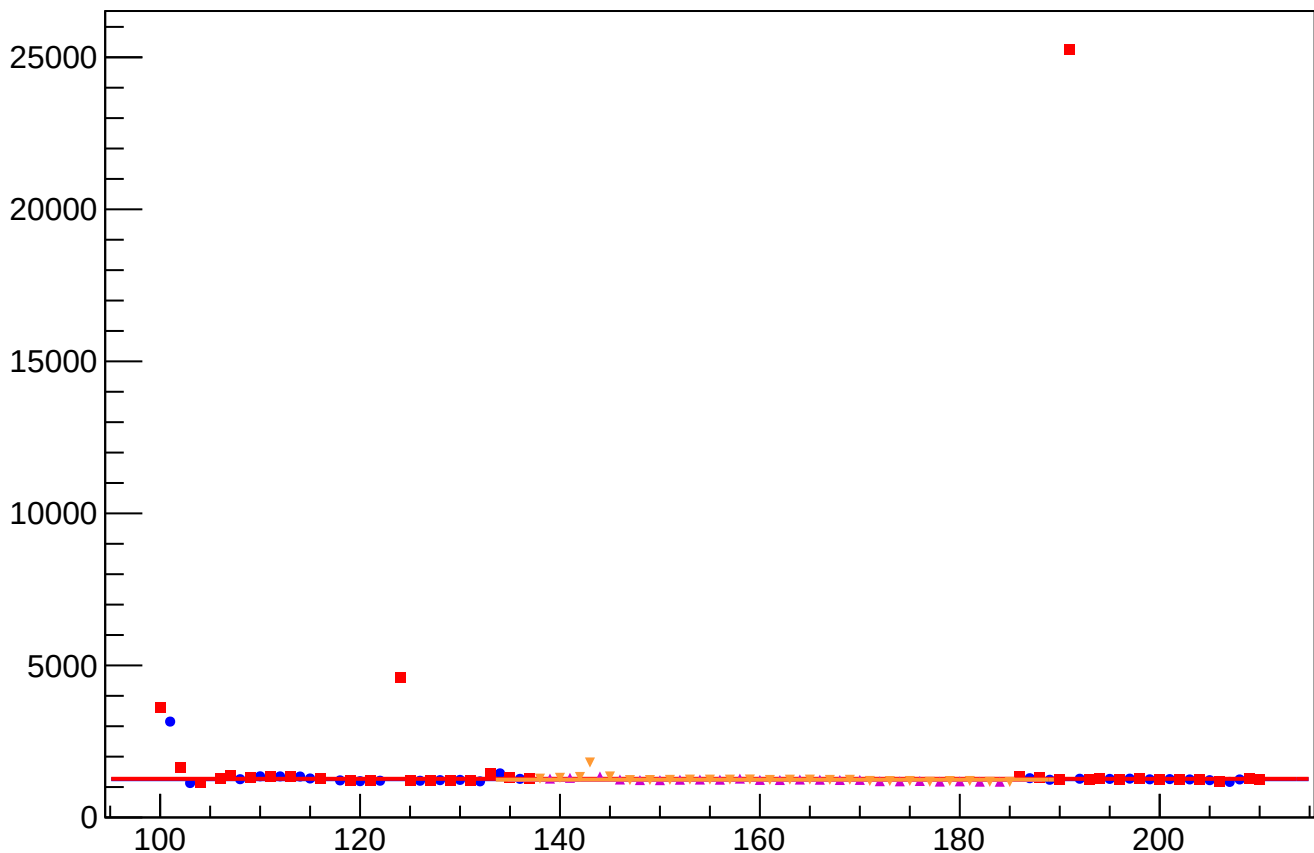
Left In: 92.472+/-288.217 χ^2/NDF : 14.7/22

+ sign 28.434+/-211.712 χ^2/NDF : 46.3/51

All: 203.212+/-148.769 χ^2/NDF : 92.4/107

- sign 373.696+/-209.095 χ^2/NDF : 44.7/55

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1258.016+/-0.226 χ^2/NDF : 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF : 203299.1/24

Right Out: 1271.156+/-0.215 χ^2/NDF : 493837.0/32

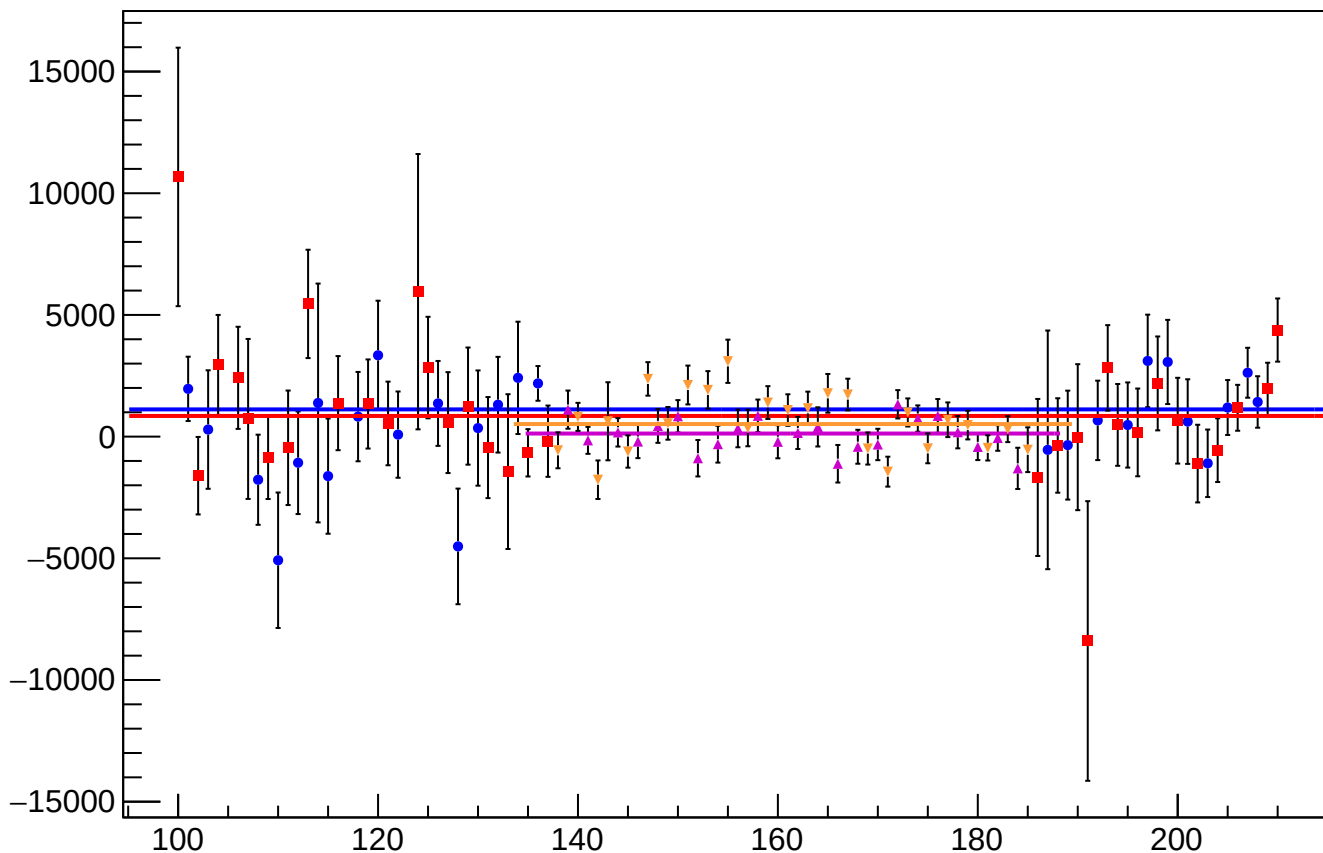
Left In: 1233.752+/-0.204 χ^2/NDF : 39281.7/22

+ sign 1249.517+/-0.150 χ^2/NDF : 739752.9/51

All: 1250.506+/-0.105 χ^2/NDF : 1288912.7/10

- sign 1251.470+/-0.148 χ^2/NDF : 549073.8/55

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 1118.543 $\pm$ 307.805 χ^2 /NDF: 28.0/26

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 849.482 $\pm$ 304.473 χ^2 /NDF: 35.7/32

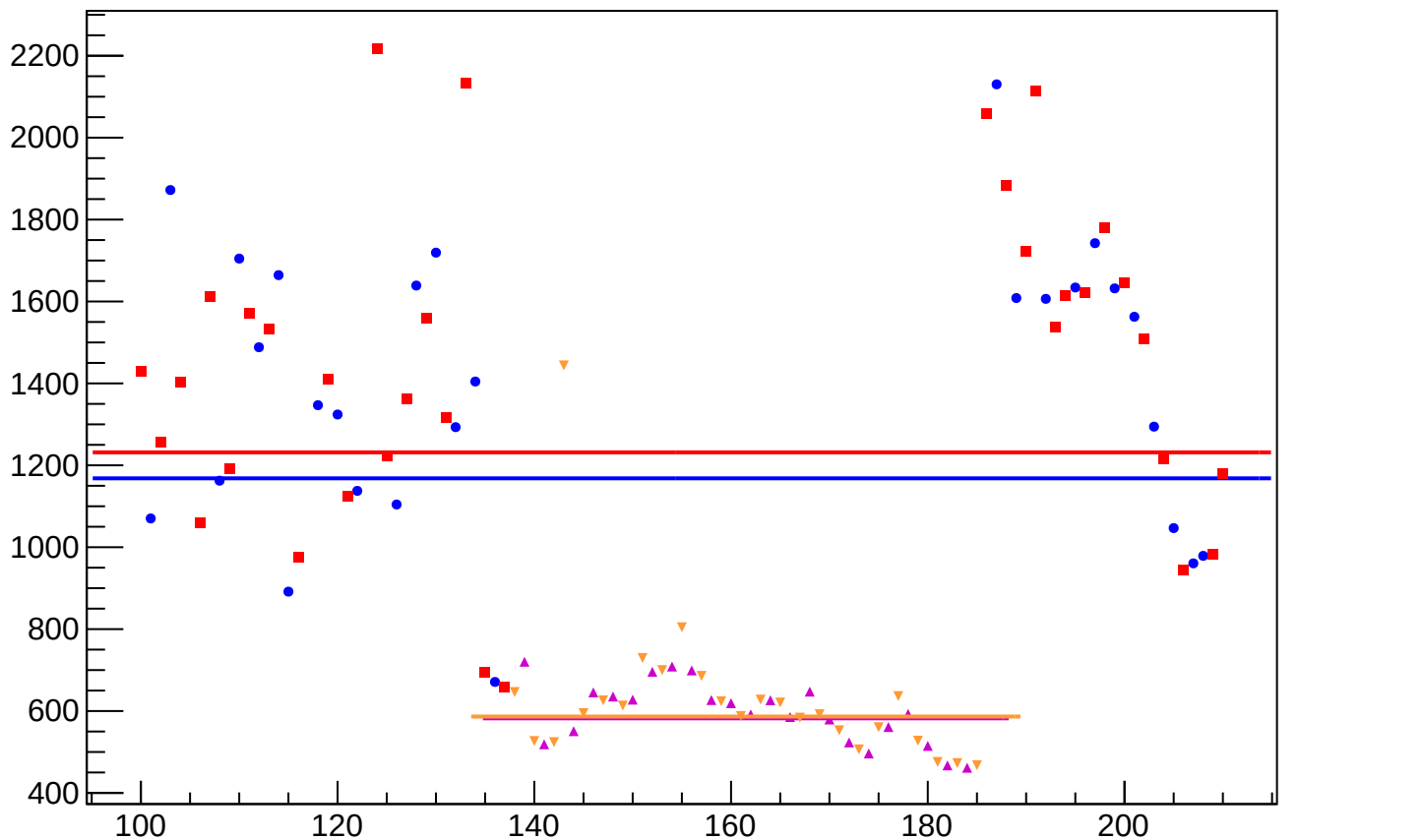
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 614.789 $\pm$ 124.205 χ^2 /NDF: 98.2/51

All: 433.096 $\pm$ 88.154 χ^2 /NDF: 164.5/107

- sign 248.665 $\pm$ 125.137 χ^2 /NDF: 61.9/55

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1168.199 $\pm$ 0.218 χ^2 /NDF: 2622083.1/26

Left Out: 586.562 $\pm$ 0.096 χ^2 /NDF: 1202822.0/24

Right Out: 1231.638 $\pm$ 0.215 χ^2 /NDF: 2731360.8/32

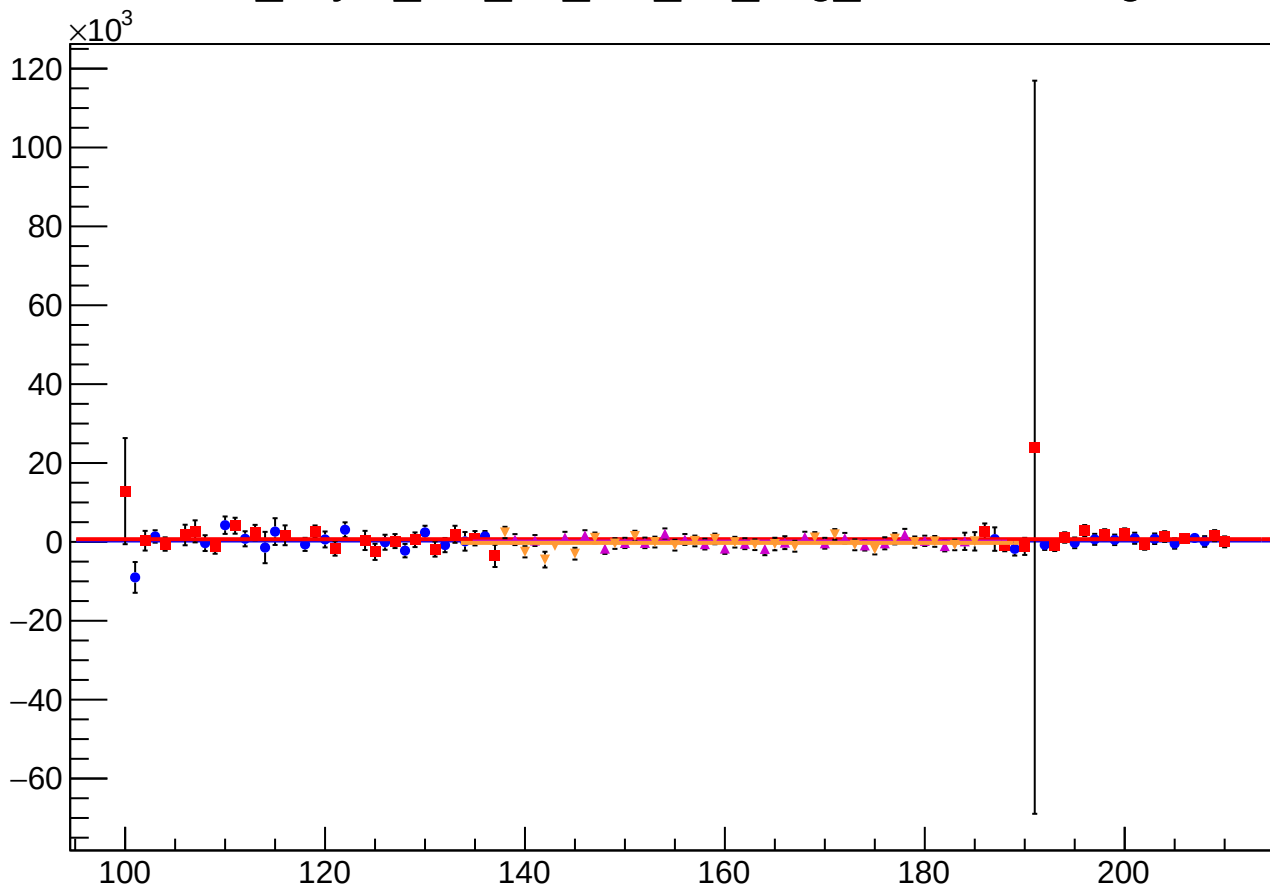
Left In: 582.189 $\pm$ 0.097 χ^2 /NDF: 559258.0/22

+ sign 681.268 $\pm$ 0.088 χ^2 /NDF: 9803510.4/51

All: 686.540 $\pm$ 0.062 χ^2 /NDF: 20663928.3/10

- sign 691.891 $\pm$ 0.088 χ^2 /NDF: 10853157.3/55

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 348.461 ± 320.076 χ^2/NDF : 20.8/26

Left Out: -250.849 ± 279.923 χ^2/NDF : 24.0/24

Right Out: 682.822 ± 303.062 χ^2/NDF : 27.5/32

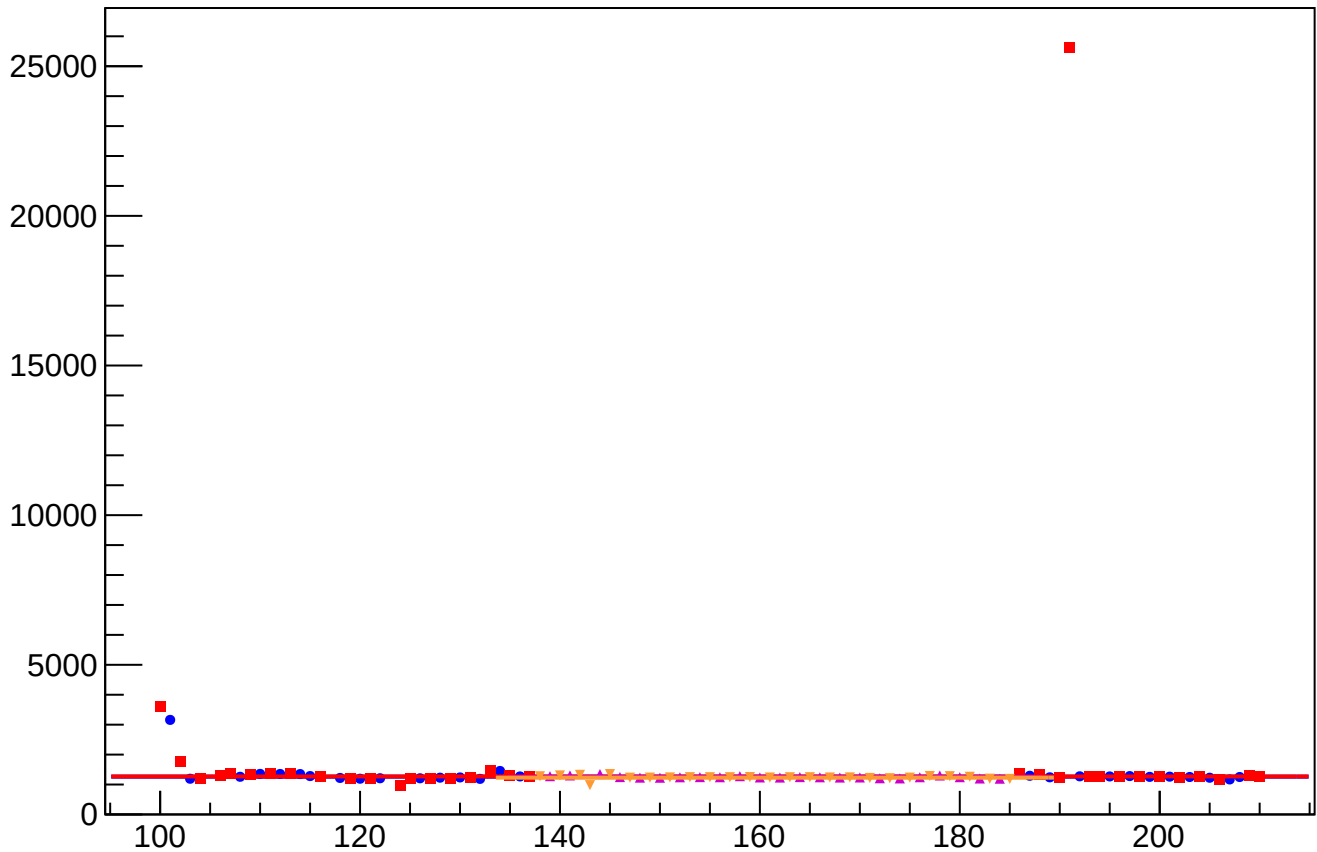
Left In: 74.881 ± 291.458 χ^2/NDF : 14.0/22

+ sign 8.878 ± 210.710 χ^2/NDF : 46.8/51

All: 188.475 ± 148.769 χ^2/NDF : 91.8/107

- sign 366.991 ± 210.074 χ^2/NDF : 43.6/55

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1262.595 $\pm$ 0.226 χ^2 /NDF: 523974.4/26

Left Out: 1229.986 $\pm$ 0.198 χ^2 /NDF: 141607.5/24

Right Out: 1269.647 $\pm$ 0.214 χ^2 /NDF: 385088.2/32

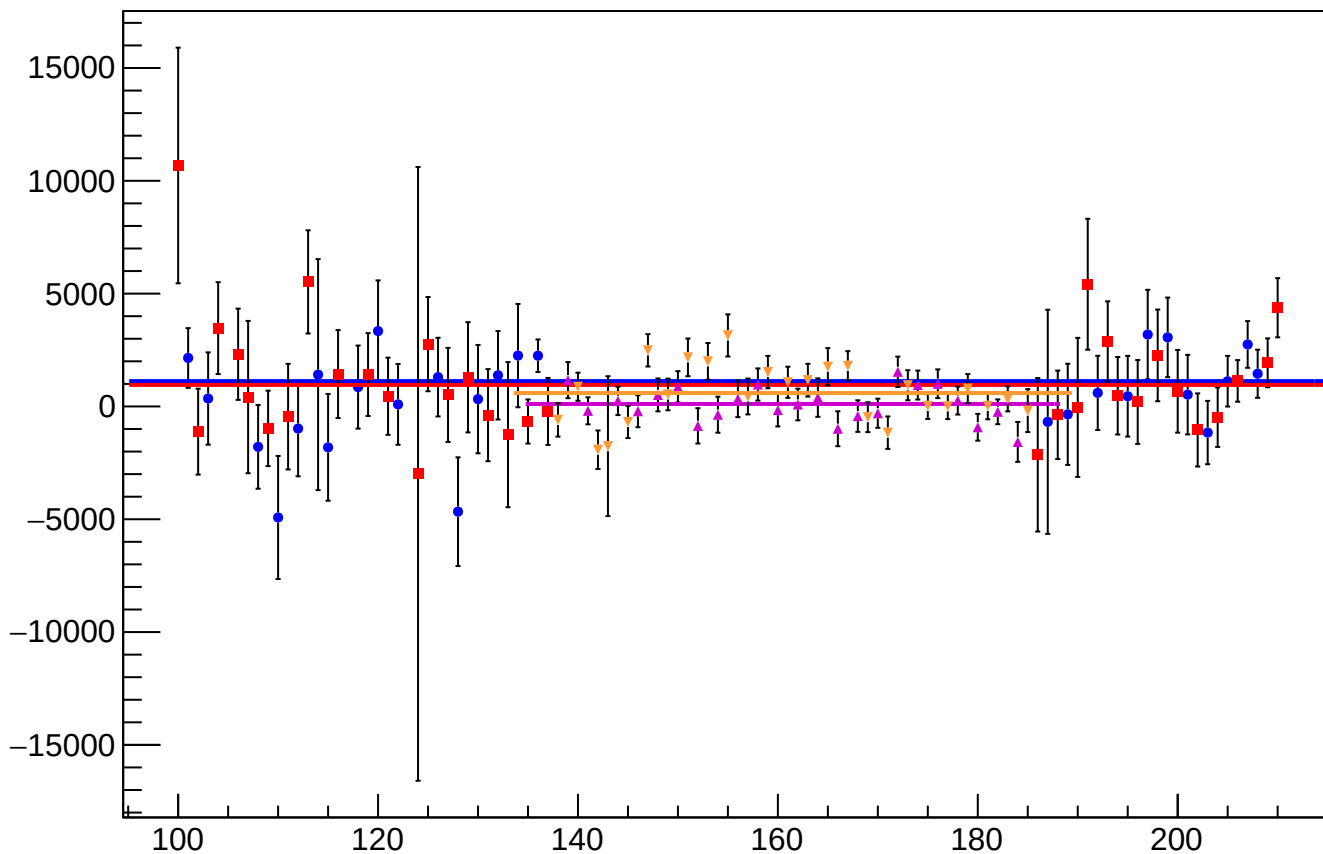
Left In: 1247.785 $\pm$ 0.206 χ^2 /NDF: 27340.8/22

+ sign 1244.118 $\pm$ 0.149 χ^2 /NDF: 677343.9/51

All: 1251.225 $\pm$ 0.105 χ^2 /NDF: 1099716.7/10

- sign 1258.290 $\pm$ 0.149 χ^2 /NDF: 417835.7/55

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug



Right In: 1122.509 $\pm$ 309.127 χ^2 /NDF: 29.0/26

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 954.200 $\pm$ 306.970 χ^2 /NDF: 33.7/32

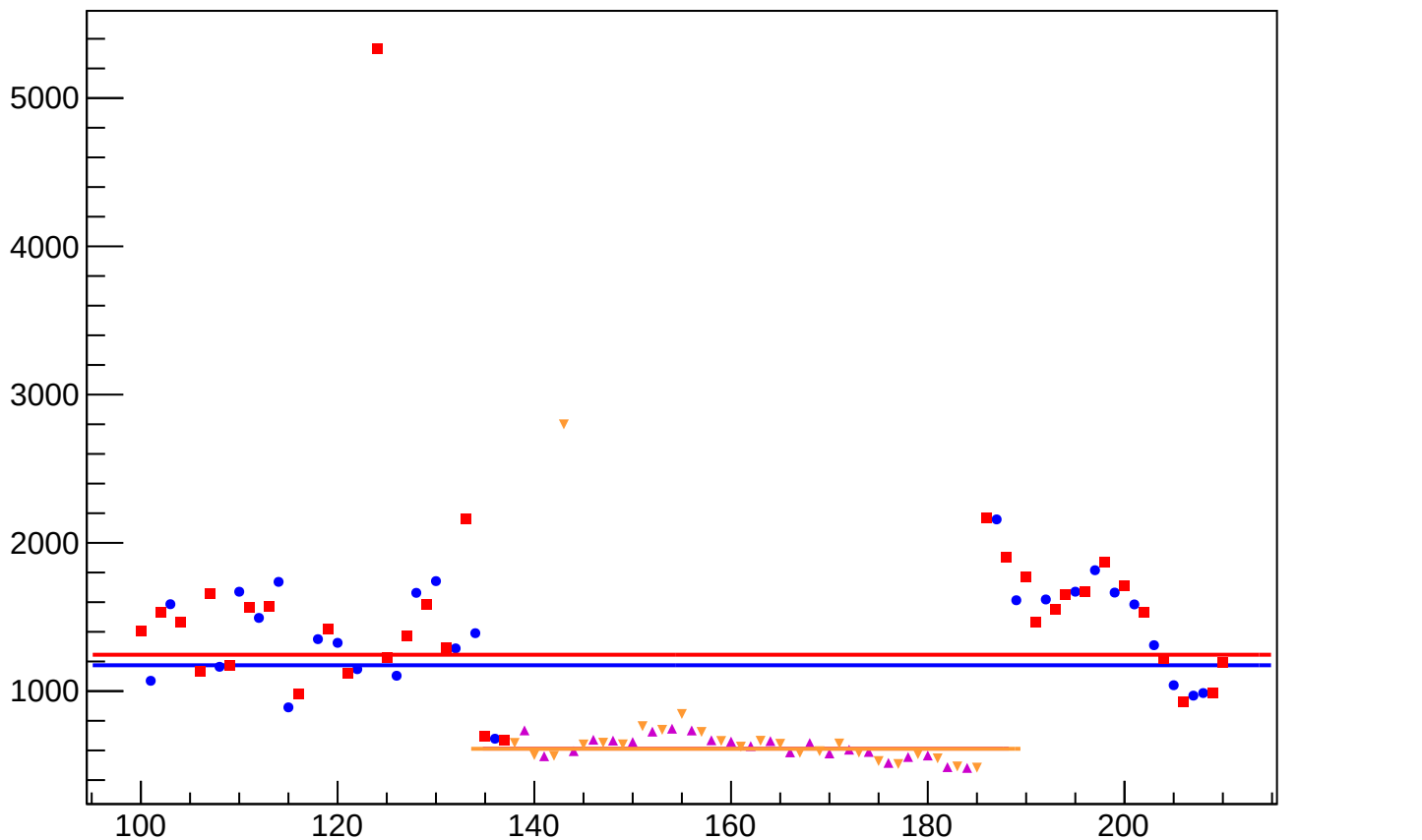
Left In: 110.252 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 687.054 $\pm$ 129.135 χ^2 /NDF: 88.7/51

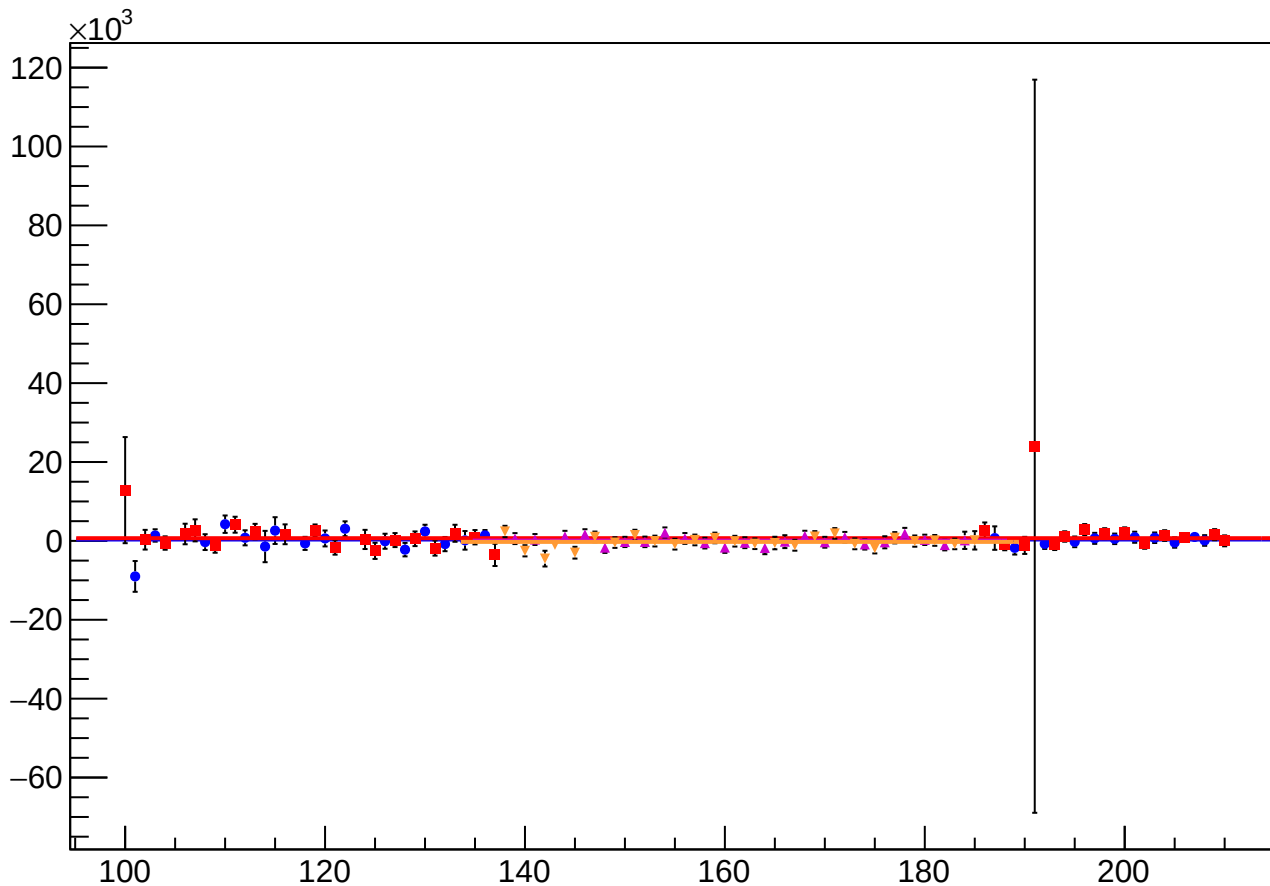
All: 477.260 $\pm$ 91.805 χ^2 /NDF: 159.7/107

- sign 262.874 $\pm$ 130.541 χ^2 /NDF: 65.6/55

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 348.460 ± 320.076 χ^2/NDF : 20.8/26

Left Out: -250.851 ± 279.923 χ^2/NDF : 24.0/24

Right Out: 682.821 ± 303.062 χ^2/NDF : 27.5/32

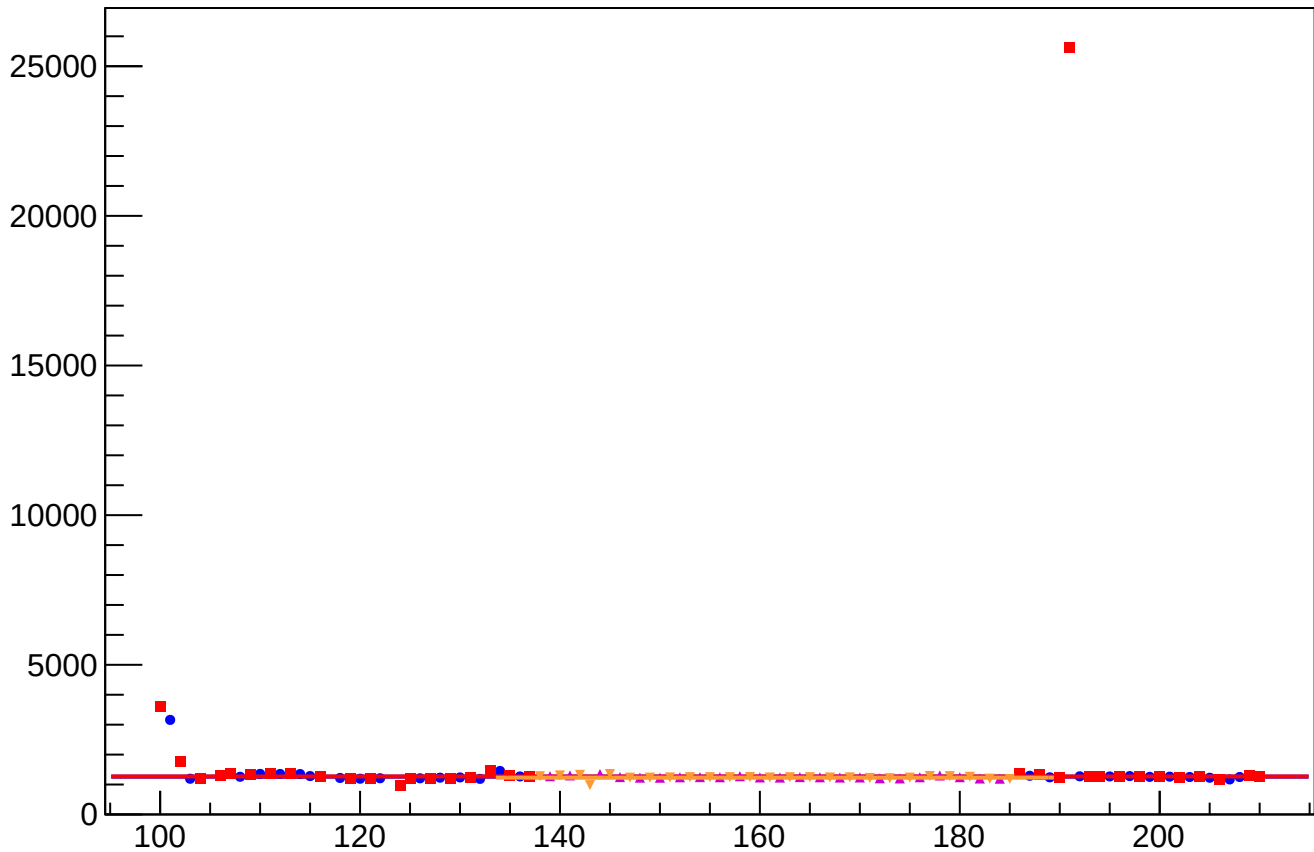
Left In: 74.881 ± 291.458 χ^2/NDF : 14.0/22

+ sign 8.876 ± 210.710 χ^2/NDF : 46.8/51

All: 188.474 ± 148.769 χ^2/NDF : 91.8/107

- sign 366.990 ± 210.074 χ^2/NDF : 43.6/55

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1262.595 $\pm$ 0.226 χ^2 /NDF: 523974.5/26

Left Out: 1229.986 $\pm$ 0.198 χ^2 /NDF: 141606.6/24

Right Out: 1269.647 $\pm$ 0.214 χ^2 /NDF: 385088.0/32

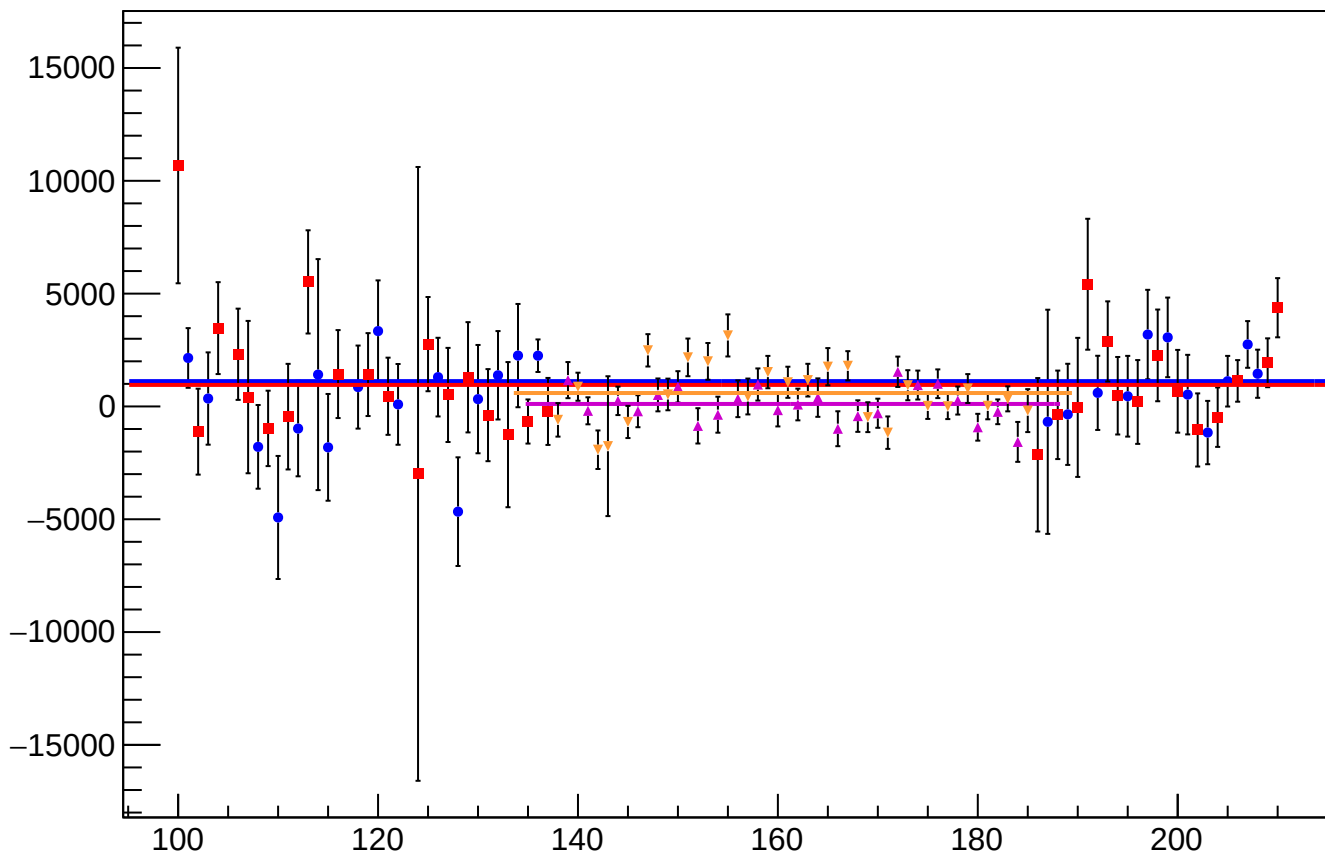
Left In: 1247.785 $\pm$ 0.206 χ^2 /NDF: 27340.7/22

+ sign 1244.118 $\pm$ 0.149 χ^2 /NDF: 677343.0/51

All: 1251.225 $\pm$ 0.105 χ^2 /NDF: 1099715.6/10

- sign 1258.289 $\pm$ 0.149 χ^2 /NDF: 417835.5/55

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug



Right In: 1122.507 $\pm$ 309.127 χ^2 /NDF: 29.0/26

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 954.204 $\pm$ 306.970 χ^2 /NDF: 33.7/32

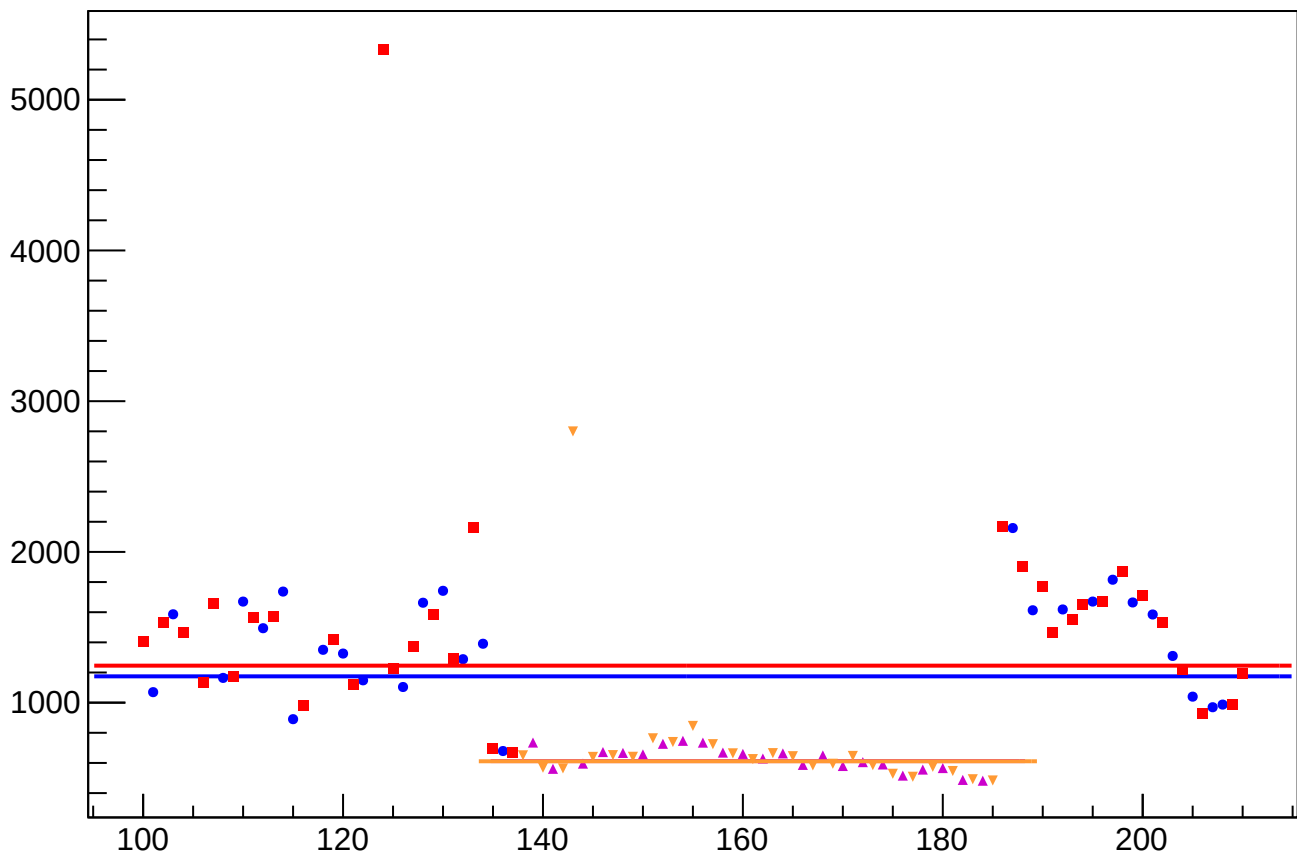
Left In: 110.251 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 687.054 $\pm$ 129.135 χ^2 /NDF: 88.7/51

All: 477.260 $\pm$ 91.805 χ^2 /NDF: 159.7/107

- sign 262.873 $\pm$ 130.541 χ^2 /NDF: 65.6/55

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 1174.513 $\pm$ 0.219 χ^2 /NDF: 2565767.1/26

Left Out: 611.086 $\pm$ 0.101 χ^2 /NDF:1619319.5/24

Right Out: 1245.425 $\pm$ 0.217 χ^2 /NDF: 3027508.0/32

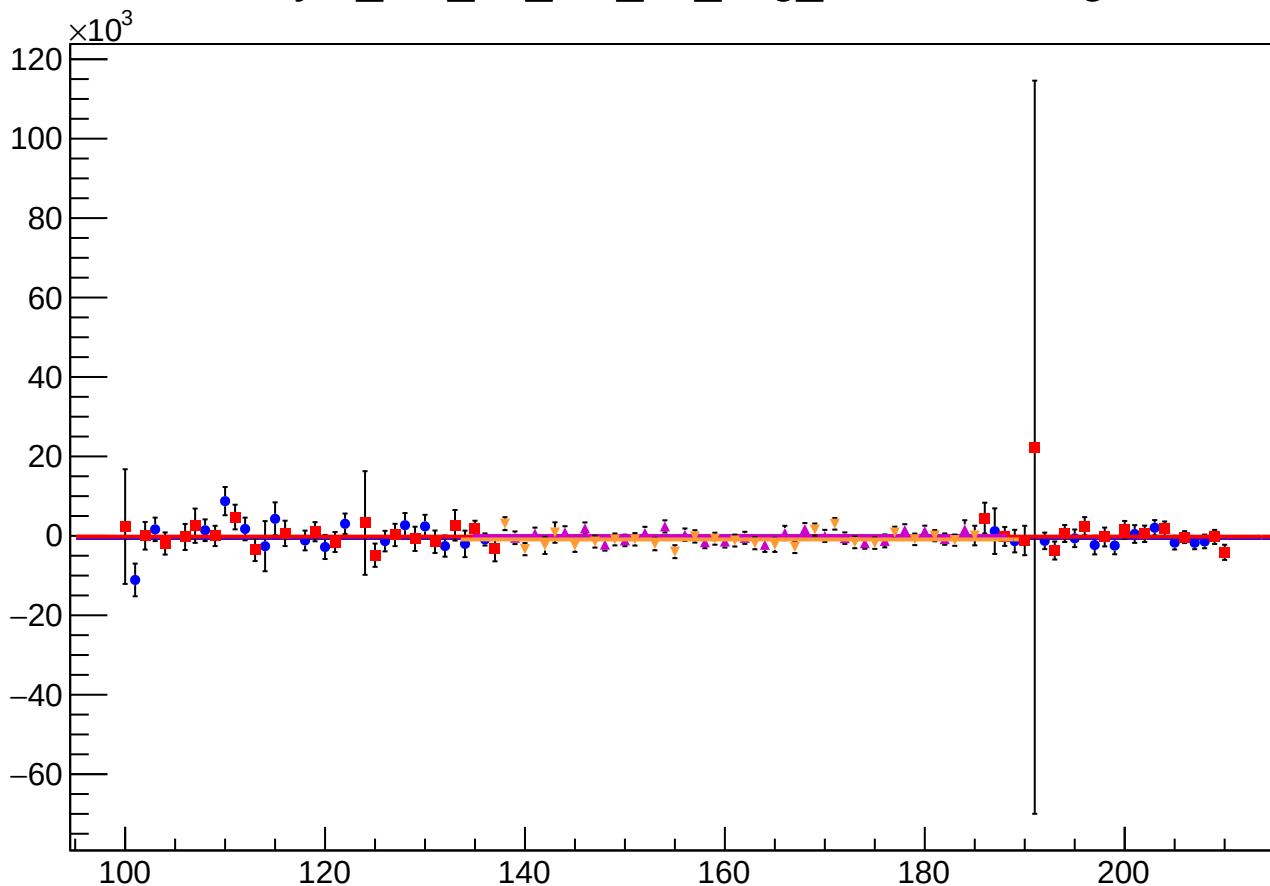
Left In: 612.398 $\pm$ 0.102 χ^2 /NDF:508597.7/22

+ sign 709.408 $\pm$ 0.091 χ^2 /NDF: 9669662.7/51

All: 718.048 $\pm$ 0.065 χ^2 /NDF: 20190912.2/10

- sign 726.876 $\pm$ 0.092 χ^2 /NDF: 10503150.4/55

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -515.327+/-469.100 χ^2/NDF : 27.0/26

Left Out: -899.894+/-316.449 χ^2/NDF : 29.8/24

Right Out: -198.111+/-452.190 χ^2/NDF : 21.8/32

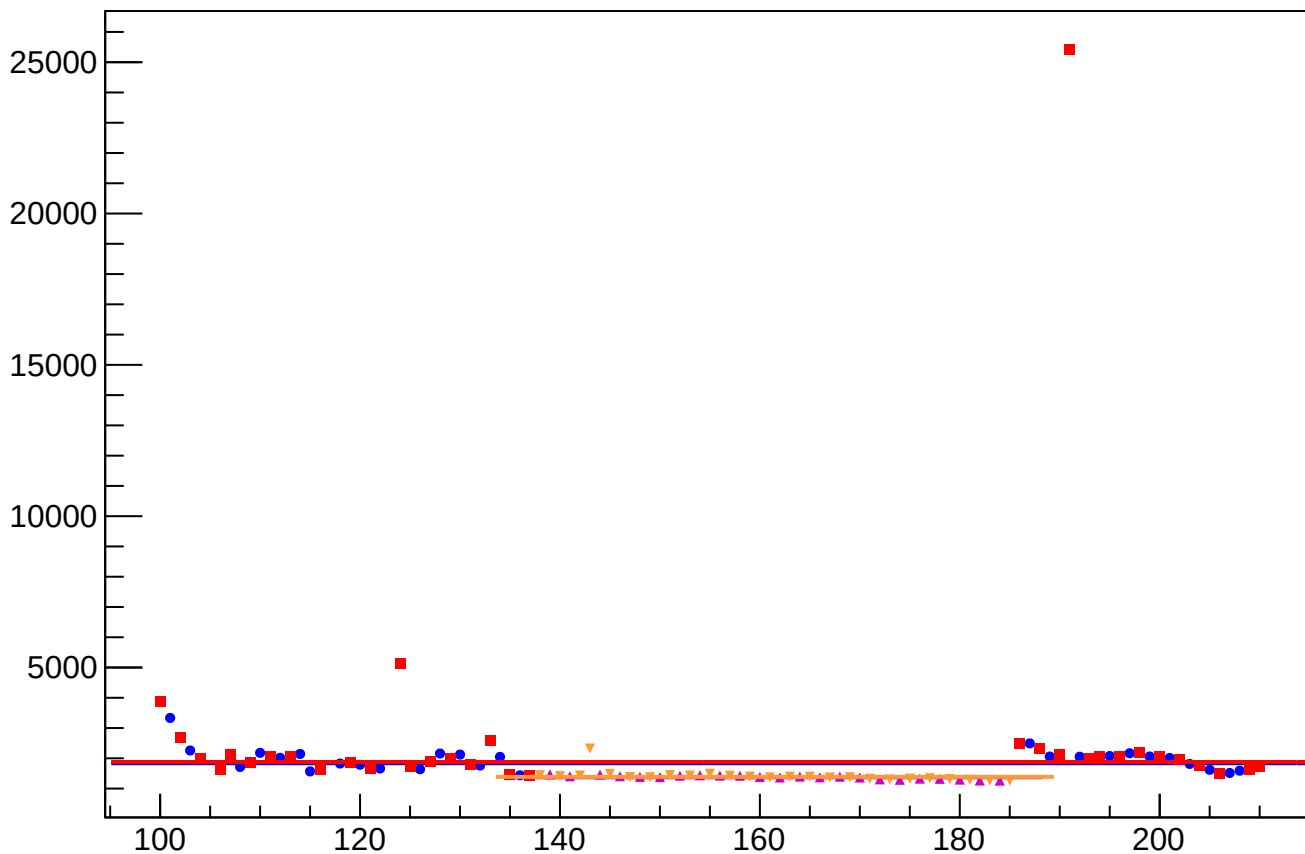
Left In: -48.178+/-320.929 χ^2/NDF : 17.9/22

+ sign -779.622+/-262.339 χ^2/NDF : 57.3/51

All: -438.201+/-185.280 χ^2/NDF : 100.4/107

- sign -98.402+/-261.714 χ^2/NDF : 39.8/55

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1838.153+/-0.332 χ^2/NDF : 863262.8/26

Left Out: 1386.845+/-0.224 χ^2/NDF : 339794.5/24

Right Out: 1878.055+/-0.320 χ^2/NDF : 1049827.5/32

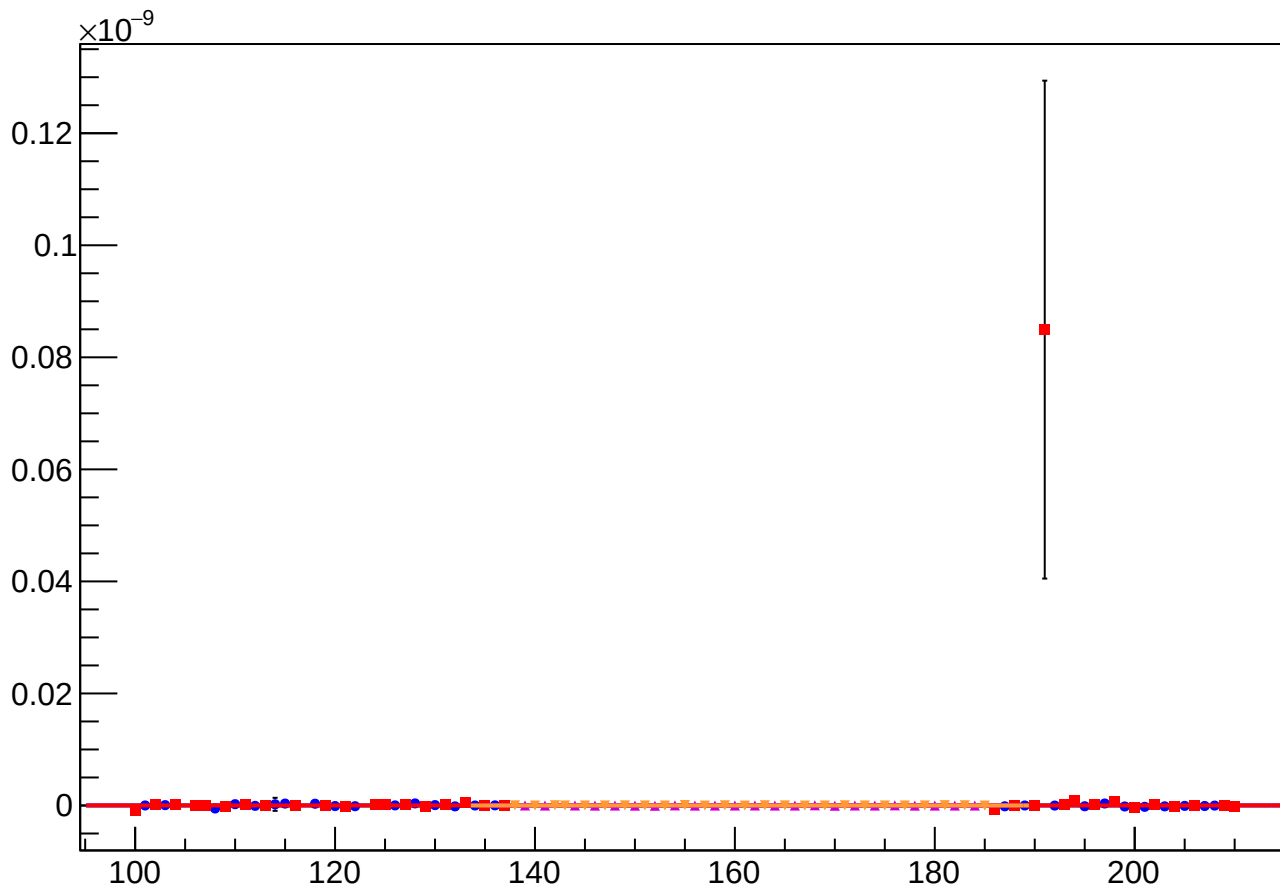
Left In: 1373.217+/-0.227 χ^2/NDF : 64467.6/22

+ sign 1527.990+/-0.186 χ^2/NDF : 2475277.4/51

All: 1535.175+/-0.131 χ^2/NDF : 5250371.6/100

- sign 1542.326+/-0.185 χ^2/NDF : 2772100.6/55

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 48.4/32

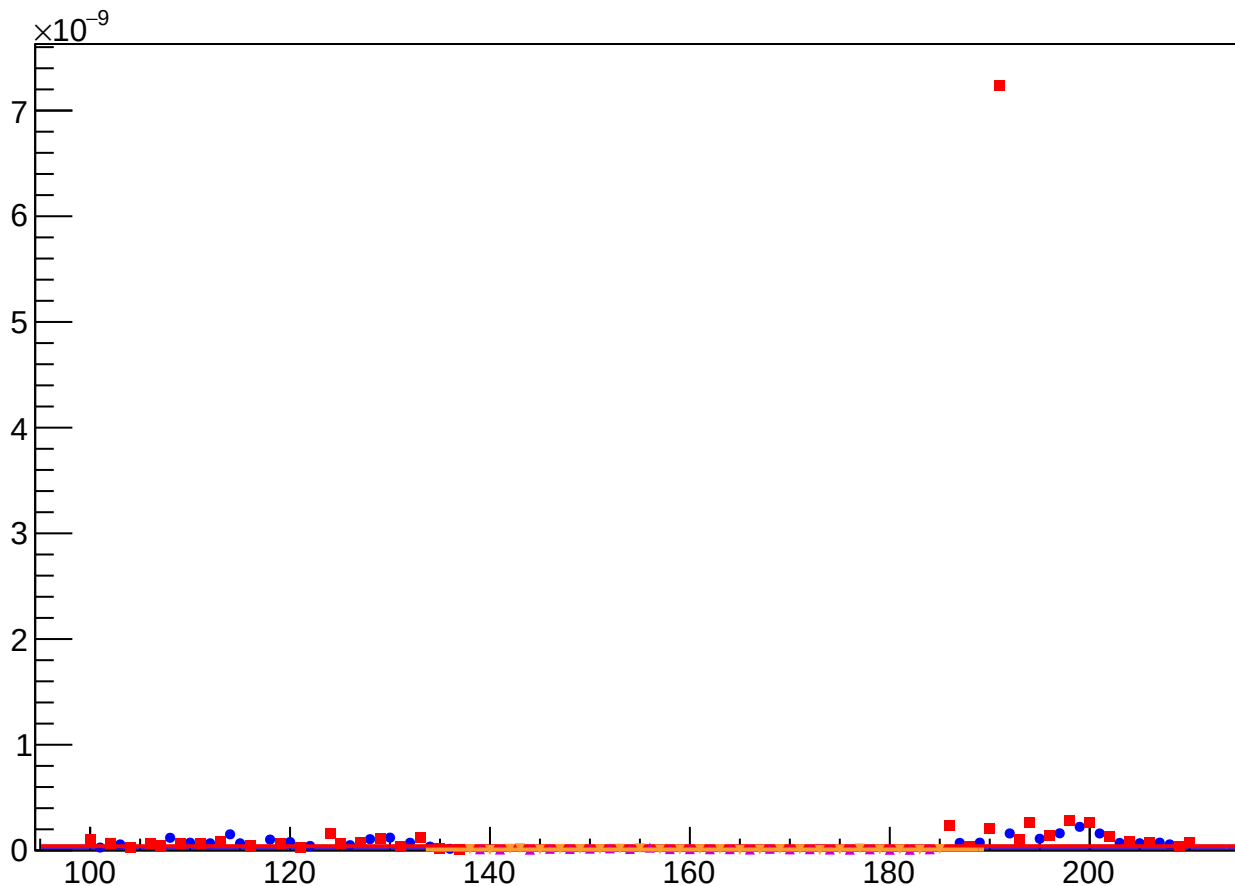
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 47.9/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 111.0/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.4/55

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6001472.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6612571.9/32

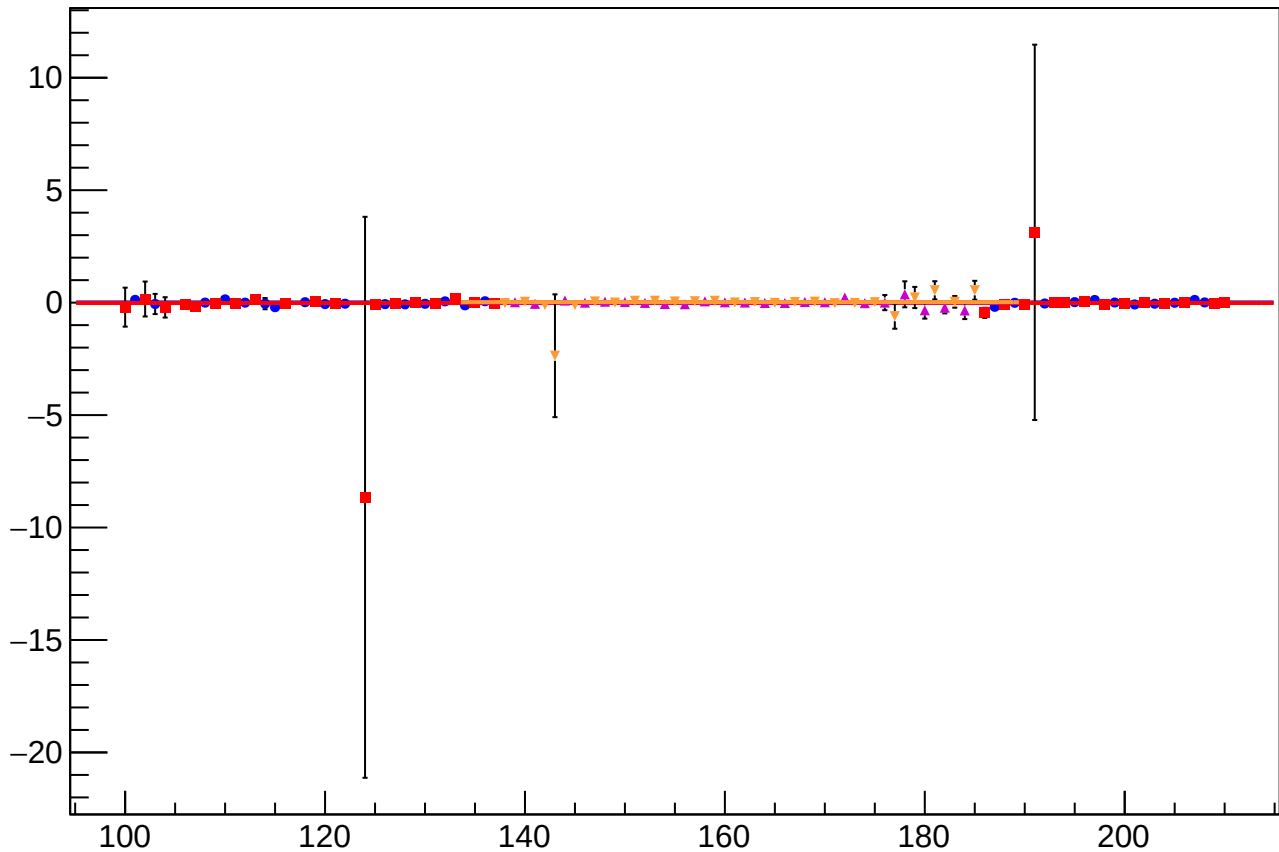
Left In: 0.000+/-0.000 χ^2/NDF : 1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 12239215.0/51

All: 0.000+/-0.000 χ^2/NDF : 24929280.7/107

- sign 0.000+/-0.000 χ^2/NDF : 12381756.6/55

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.010 χ^2 /NDF: 42.1/26

Left Out: 0.023 $\pm$ 0.010 χ^2 /NDF:22.8/24

Right Out: -0.017 $\pm$ 0.010 χ^2 /NDF: 22.6/32

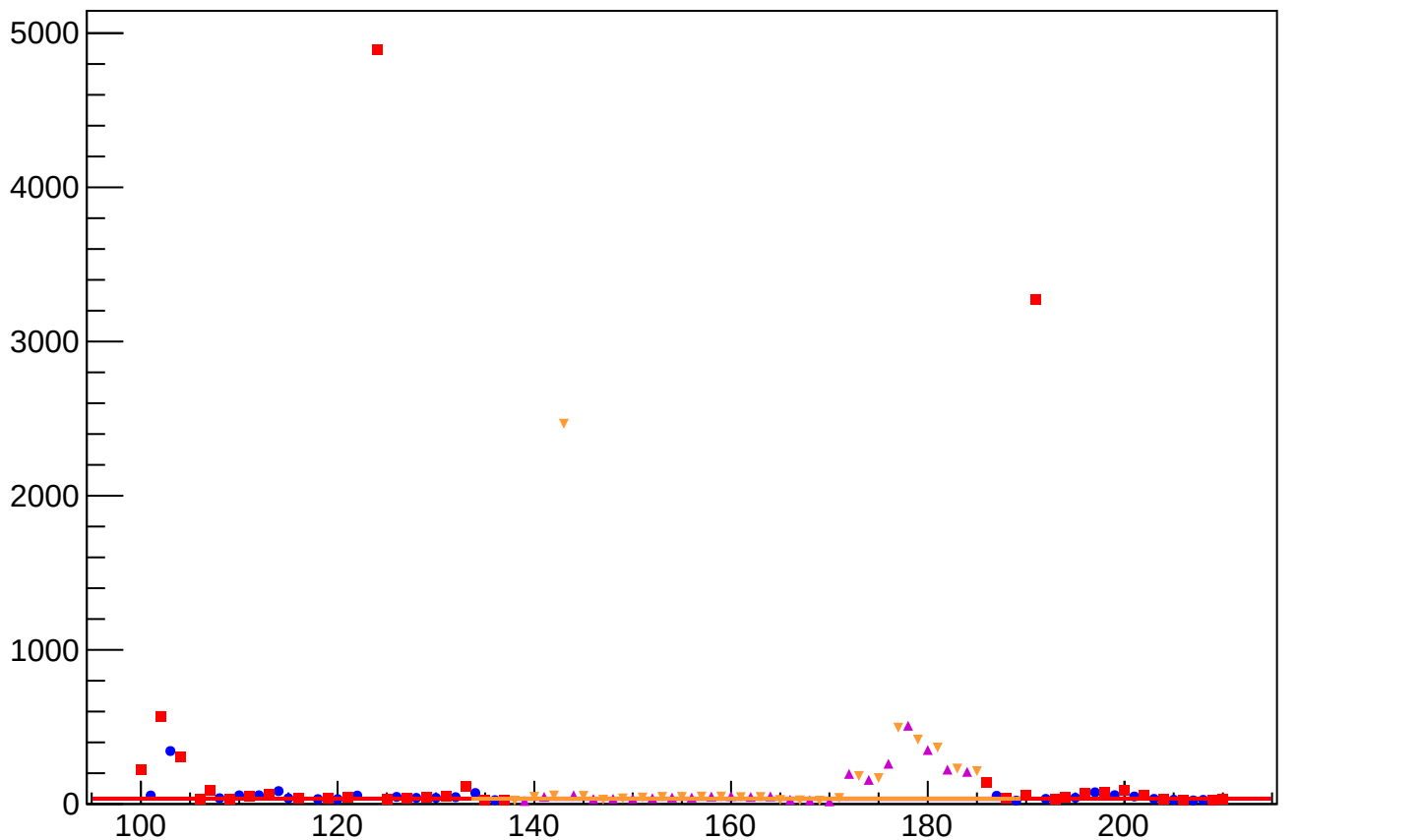
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:14.8/22

+ sign 0.016 $\pm$ 0.007 χ^2 /NDF: 66.0/51

All: 0.006 $\pm$ 0.005 χ^2 /NDF: 110.5/107

- sign -0.003 $\pm$ 0.007 χ^2 /NDF: 40.9/55

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.255+/-0.007 χ^2/NDF : 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF : 11402451.4/24

Right Out: 35.499+/-0.007 χ^2/NDF : 6386702.3/32

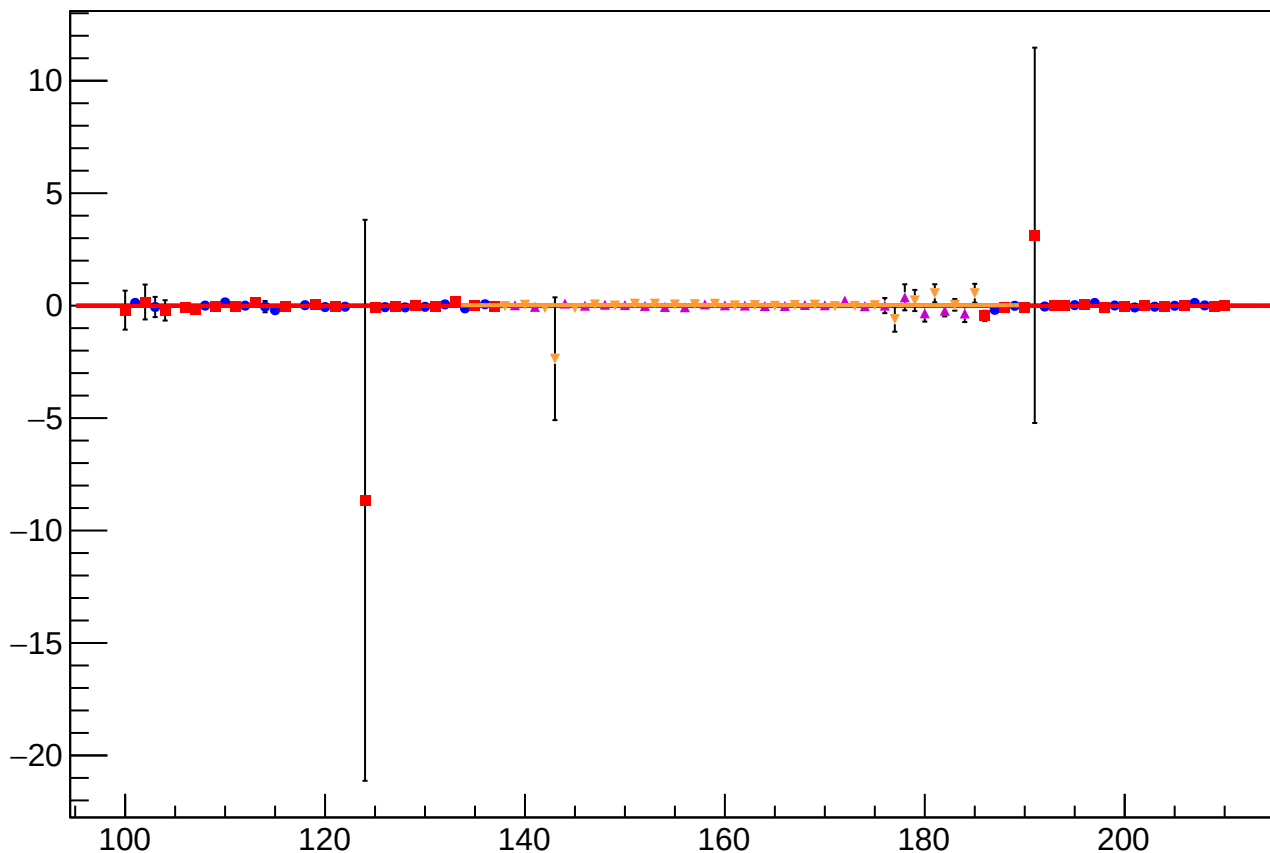
Left In: 33.592+/-0.007 χ^2/NDF : 10067466.4/22

+ sign 34.436+/-0.005 χ^2/NDF : 14964426.0/51

All: 34.484+/-0.004 χ^2/NDF : 31454998.2/107

- sign 34.531+/-0.005 χ^2/NDF : 16490392.9/55

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.010 χ^2 /NDF: 42.1/26

Left Out: 0.023 $\pm$ 0.010 χ^2 /NDF:22.8/24

Right Out: -0.017 $\pm$ 0.010 χ^2 /NDF: 22.6/32

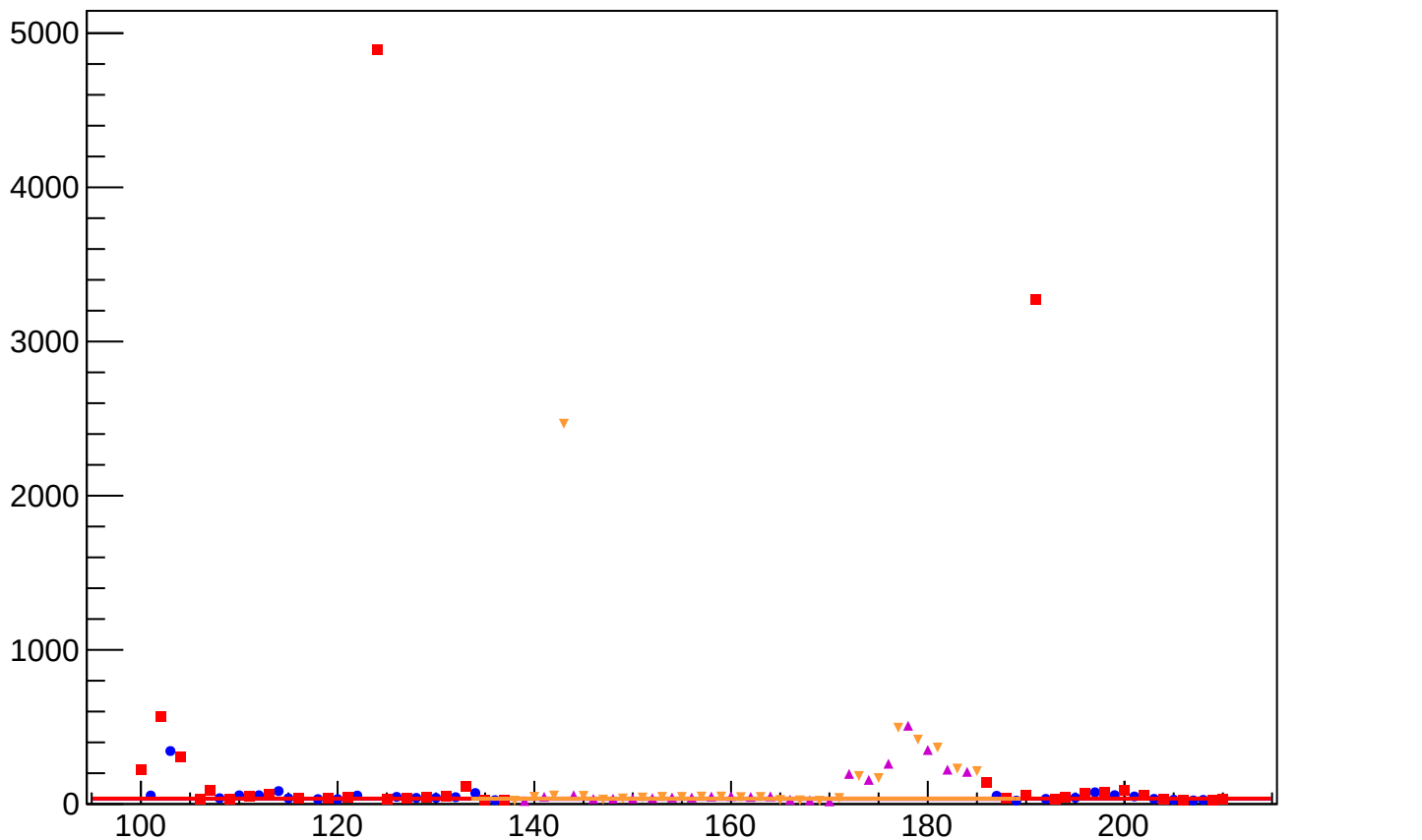
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:14.8/22

+ sign 0.016 $\pm$ 0.007 χ^2 /NDF: 66.0/51

All: 0.006 $\pm$ 0.005 χ^2 /NDF: 110.5/107

- sign -0.003 $\pm$ 0.007 χ^2 /NDF: 40.9/55

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.255+/-0.007 χ^2/NDF : 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF : 11402451.4/24

Right Out: 35.499+/-0.007 χ^2/NDF : 6386702.3/32

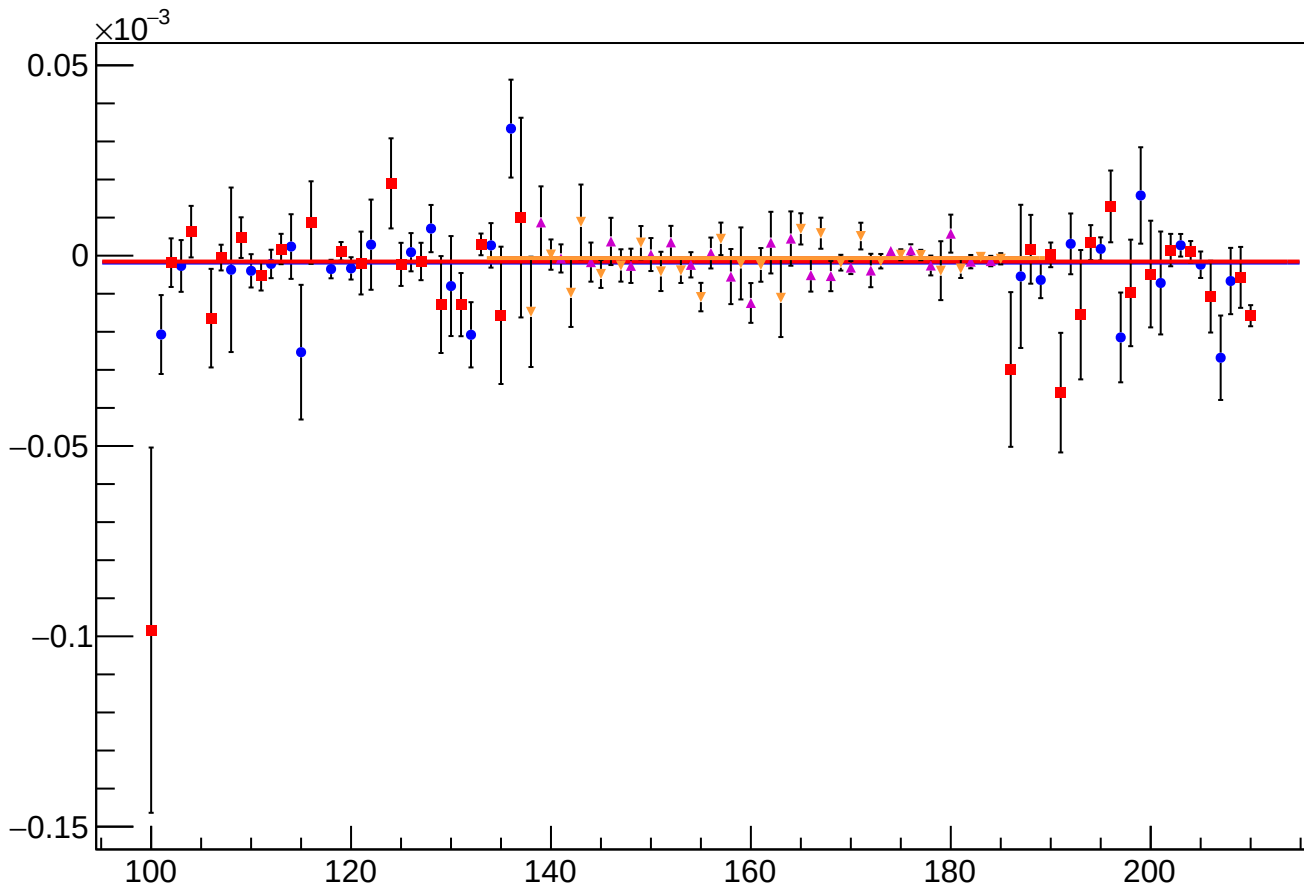
Left In: 33.592+/-0.007 χ^2/NDF : 10067466.4/22

+ sign 34.436+/-0.005 χ^2/NDF : 14964426.0/51

All: 34.484+/-0.004 χ^2/NDF : 31454998.2/107

- sign 34.531+/-0.005 χ^2/NDF : 16490392.9/55

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 37.5/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 28.4/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 61.6/32

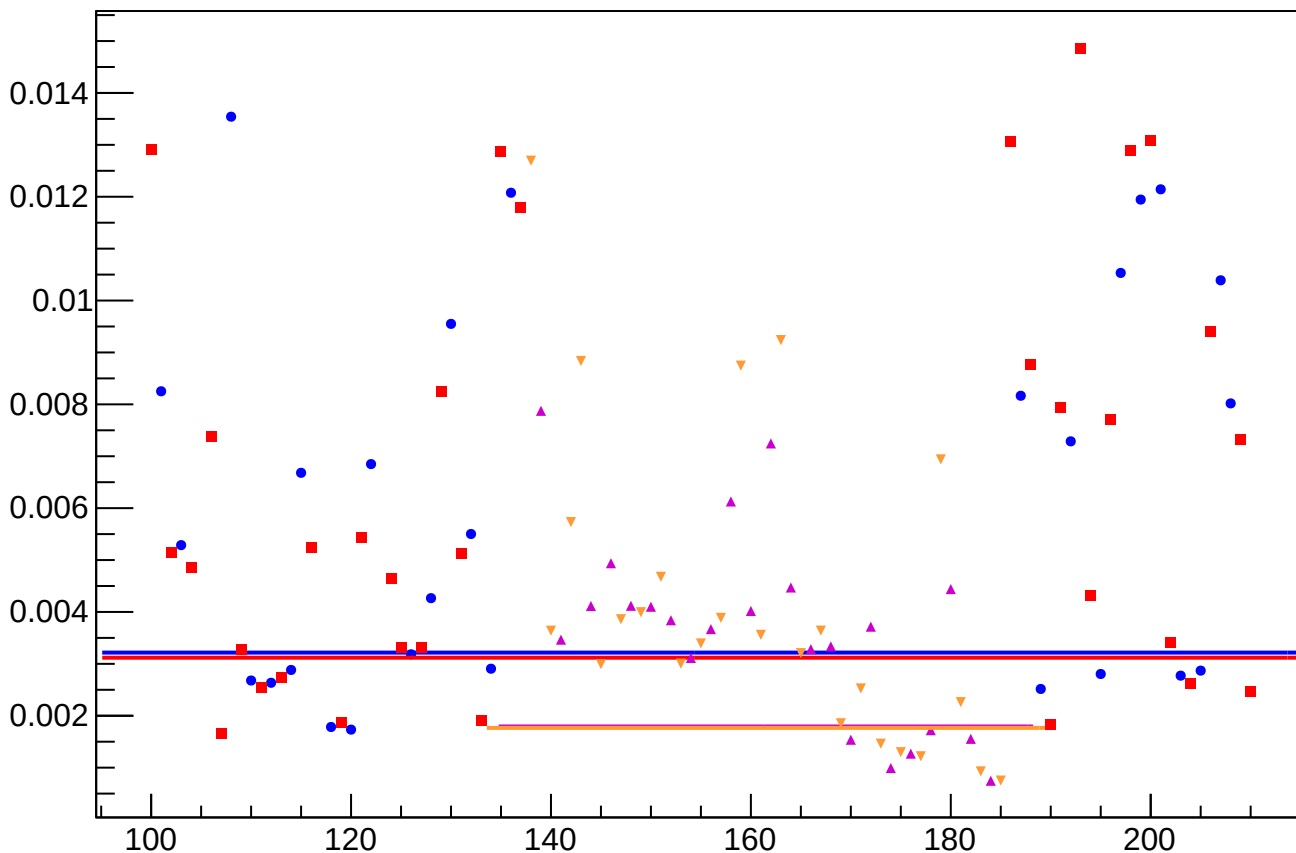
Left In: -0.000 ± 0.000 χ^2/NDF : 21.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 67.0/51

All: -0.000 ± 0.000 χ^2/NDF : 151.3/107

- sign -0.000 ± 0.000 χ^2/NDF : 84.3/55

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 9130058.9/26

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:12926339.2/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 10419511.6/32

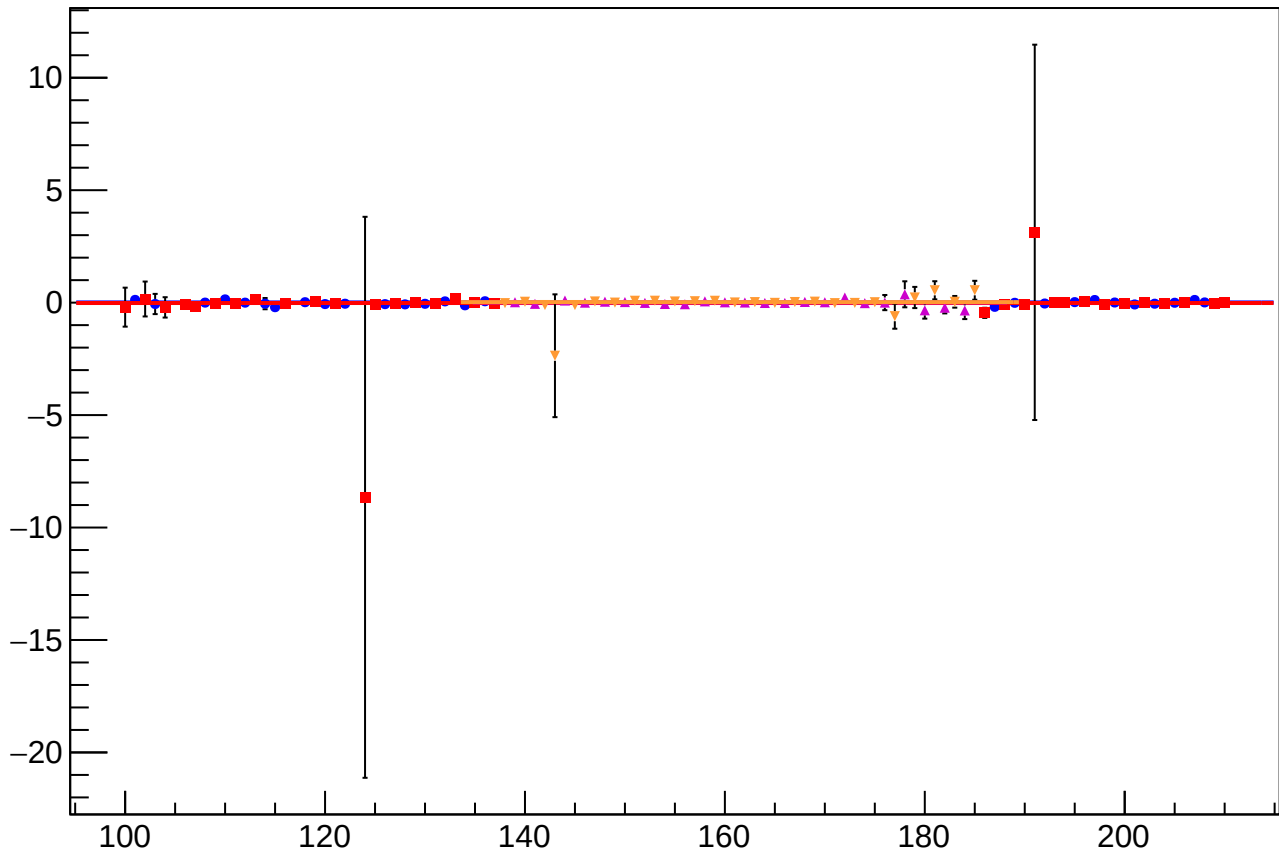
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:10766932.4/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 25371712.7/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 49791760.1/107

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 24385774.9/55

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.010 χ^2 /NDF: 42.1/26

Left Out: 0.023 $\pm$ 0.010 χ^2 /NDF:22.8/24

Right Out: -0.017 $\pm$ 0.010 χ^2 /NDF: 22.6/32

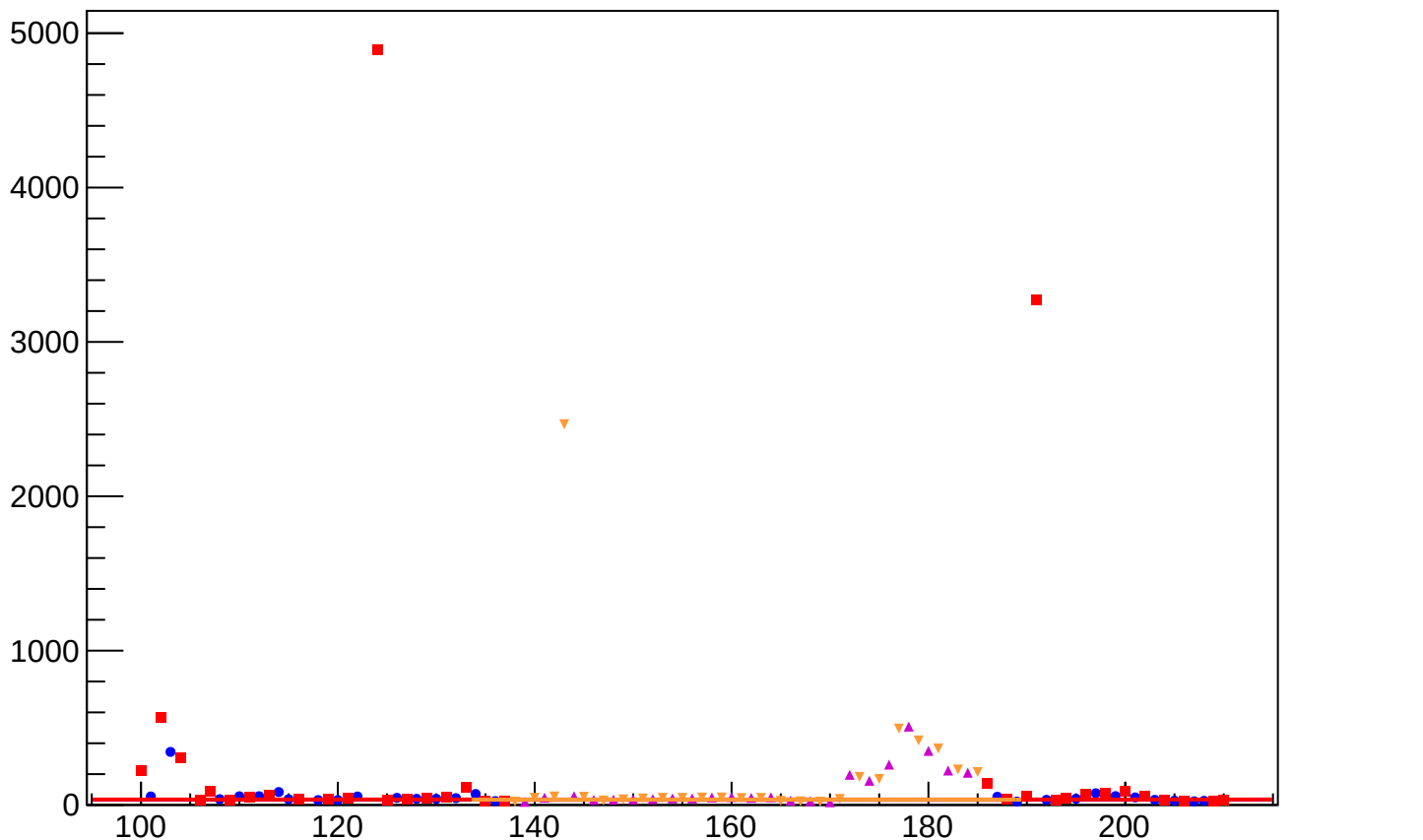
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:14.8/22

+ sign 0.016 $\pm$ 0.007 χ^2 /NDF: 66.0/51

All: 0.006 $\pm$ 0.005 χ^2 /NDF: 110.6/107

- sign -0.003 $\pm$ 0.007 χ^2 /NDF: 40.9/55

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.259+/-0.007 χ^2/NDF : 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF : 11402566.2/24

Right Out: 35.499+/-0.007 χ^2/NDF : 6386655.0/32

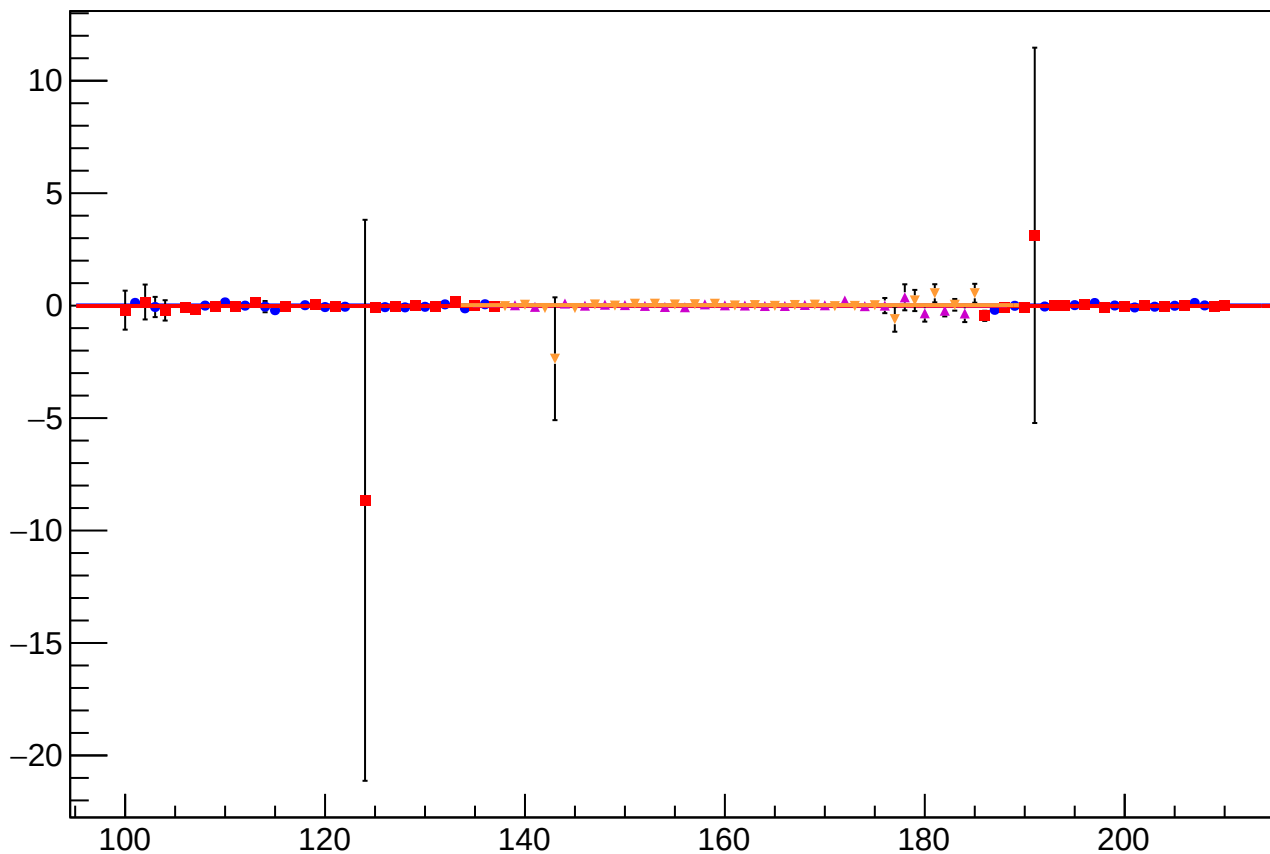
Left In: 33.595+/-0.007 χ^2/NDF : 10066196.6/22

+ sign 34.437+/-0.005 χ^2/NDF : 14963094.2/51

All: 34.485+/-0.004 χ^2/NDF : 31452273.1/107

- sign 34.532+/-0.005 χ^2/NDF : 16488999.5/55

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 ± 0.010 χ^2/NDF : 42.1/26

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.017 ± 0.010 χ^2/NDF : 22.6/32

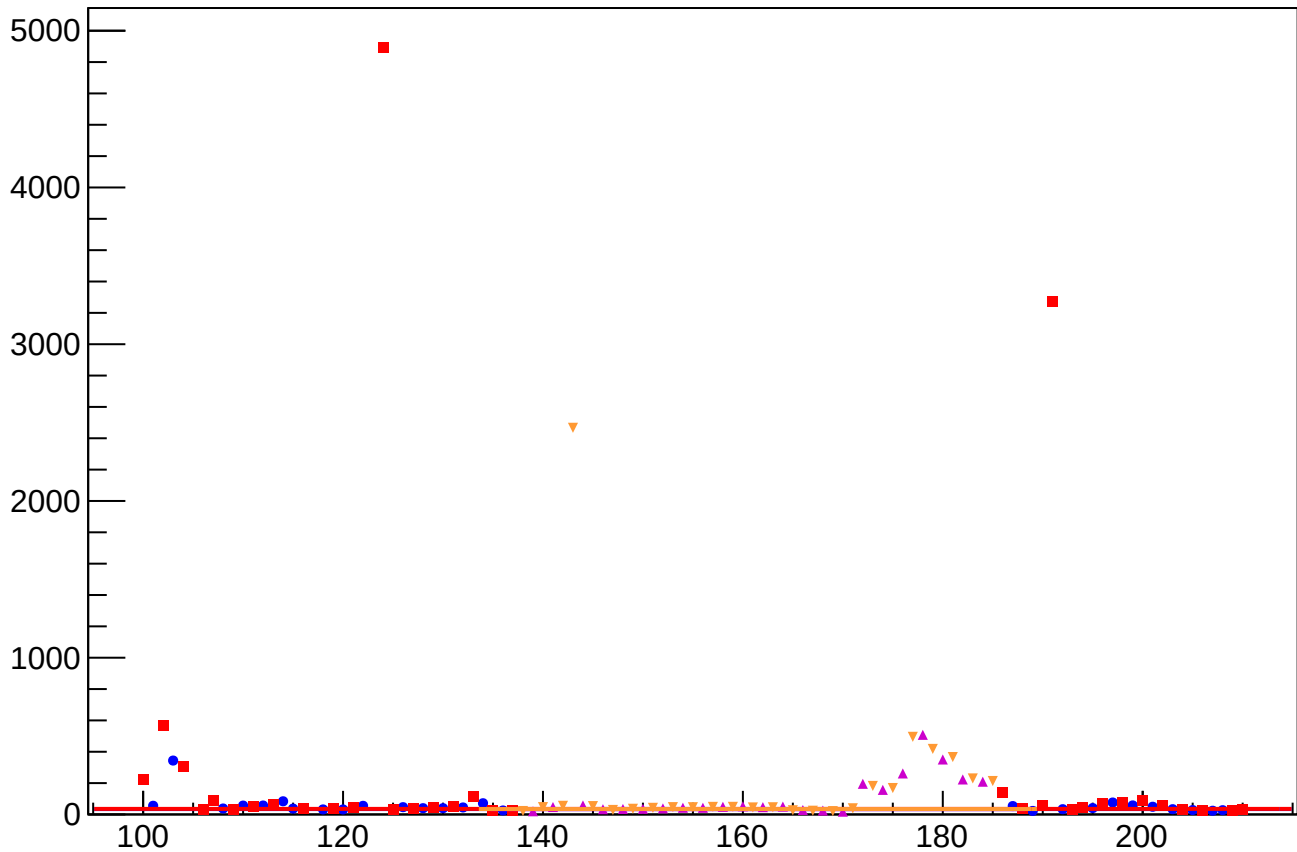
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.016 ± 0.007 χ^2/NDF : 66.0/51

All: 0.006 ± 0.005 χ^2/NDF : 110.6/107

- sign -0.003 ± 0.007 χ^2/NDF : 40.9/55

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.259+/-0.007 χ^2/NDF : 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF : 11402566.2/24

Right Out: 35.499+/-0.007 χ^2/NDF : 6386655.0/32

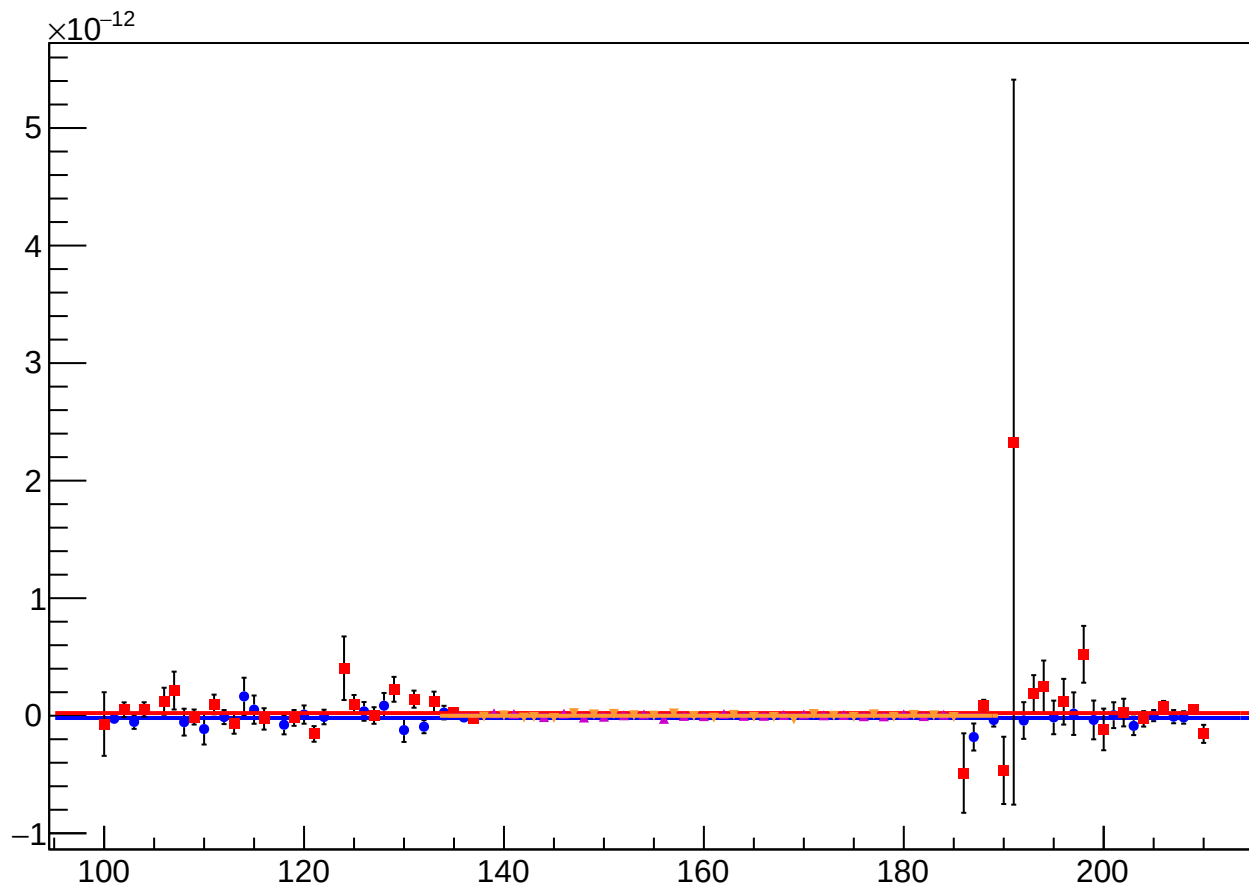
Left In: 33.595+/-0.007 χ^2/NDF : 10066196.6/22

+ sign 34.437+/-0.005 χ^2/NDF : 14963094.2/51

All: 34.485+/-0.004 χ^2/NDF : 31452273.1/107

- sign 34.532+/-0.005 χ^2/NDF : 16488999.5/55

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 11.5/26

Left Out: -0.000+/-0.000 χ^2/NDF : 26.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 50.1/32

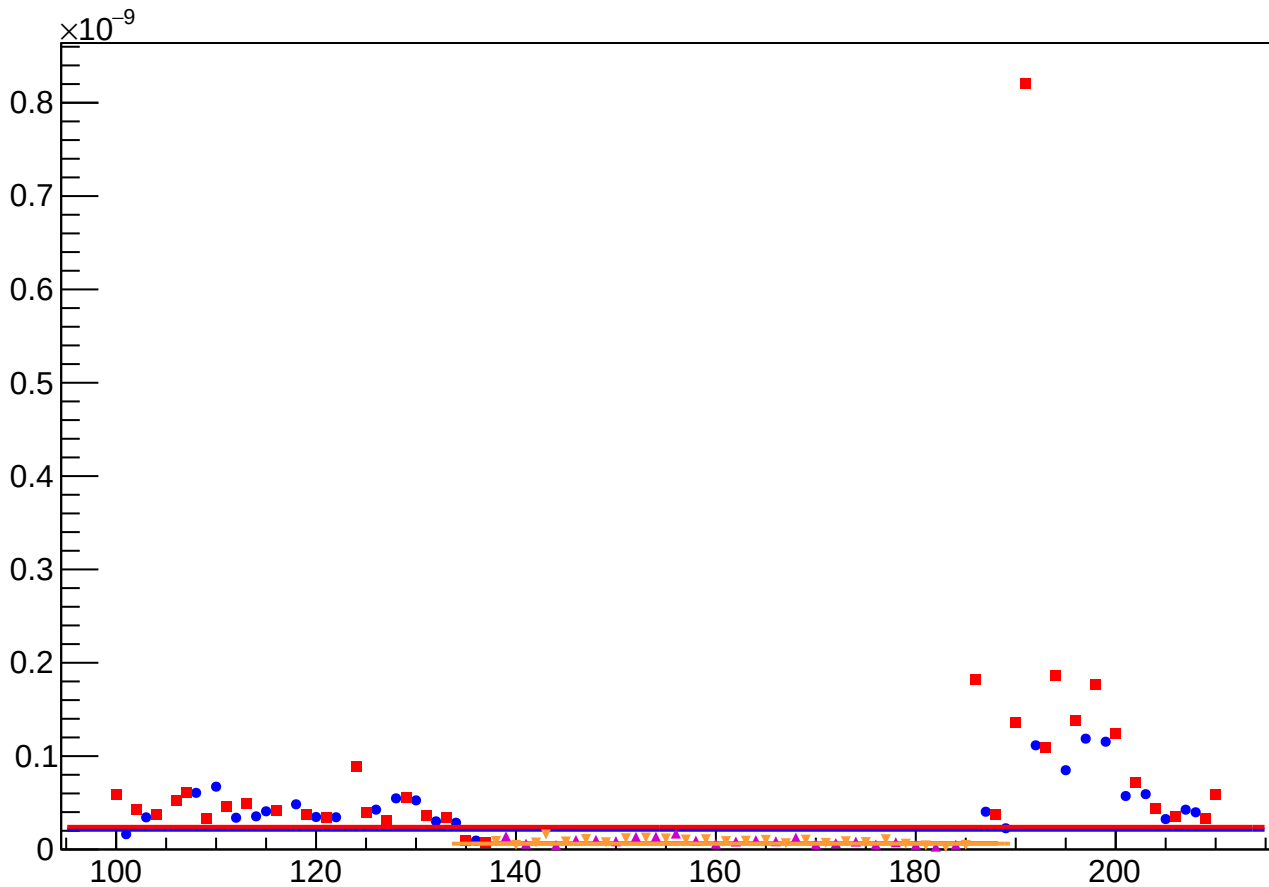
Left In: 0.000+/-0.000 χ^2/NDF : 20.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 41.8/51

All: 0.000+/-0.000 χ^2/NDF : 118.0/107

- sign 0.000+/-0.000 χ^2/NDF : 74.2/55

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7268739.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10116426.2/32

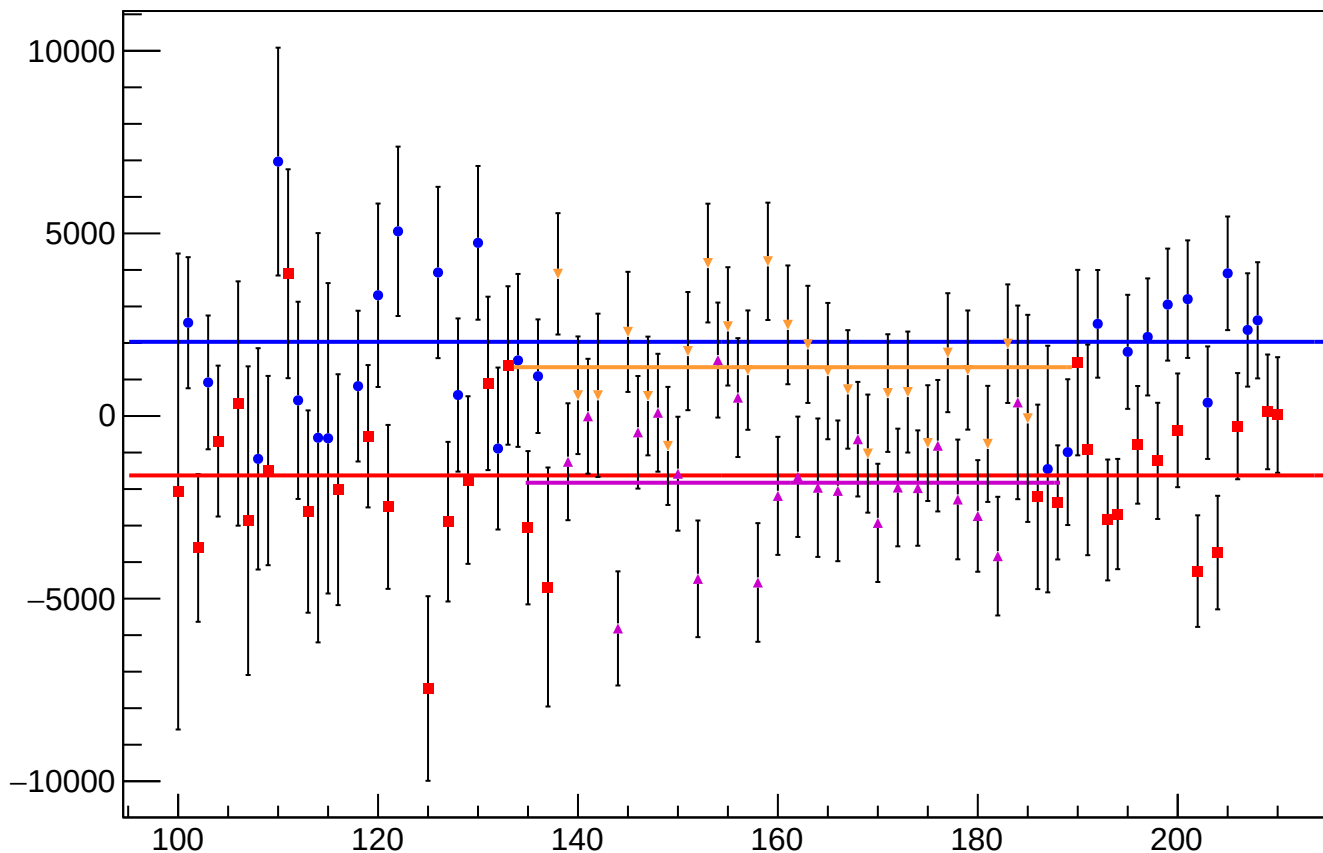
Left In: 0.000+/-0.000 χ^2/NDF : 3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 17504179.0/51

All: 0.000+/-0.000 χ^2/NDF : 37848022.1/107

- sign 0.000+/-0.000 χ^2/NDF : 20310834.9/55

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 2031.699 $\pm$ 375.072 χ^2 /NDF: 19.6/26

Left Out: 1337.008 $\pm$ 341.012 χ^2 /NDF:19.2/23

Right Out: -1626.653 $\pm$ 357.224 χ^2 /NDF: 27.8/31

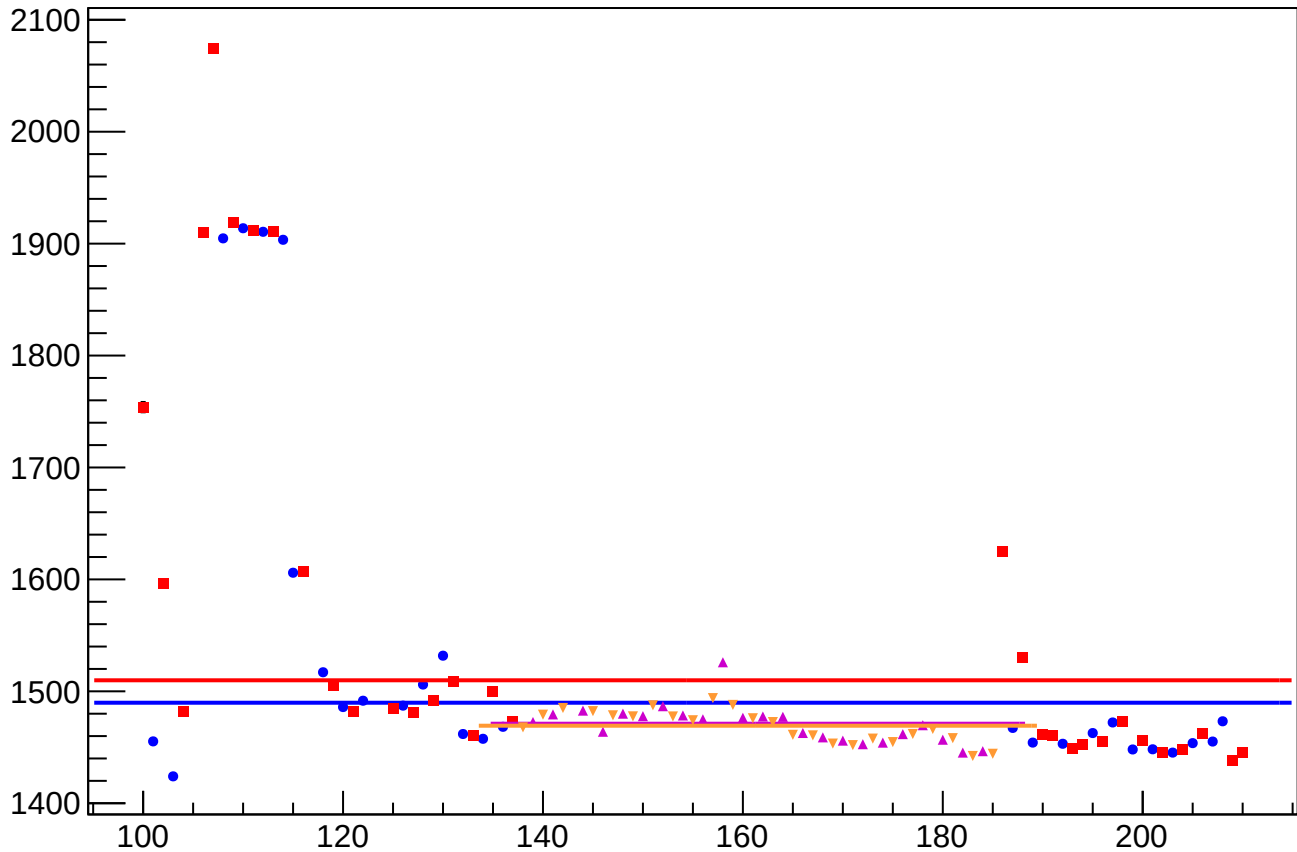
Left In: -1826.599 $\pm$ 343.483 χ^2 /NDF:26.5/22

+ sign 1651.386 $\pm$ 252.316 χ^2 /NDF: 40.6/50

All: -71.520 $\pm$ 176.721 χ^2 /NDF: 186.6/105

- sign -1730.545 $\pm$ 247.594 χ^2 /NDF: 54.4/54

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1489.809+/-0.265 χ^2/NDF : 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF : 3155.3/23

Right Out: 1509.851+/-0.253 χ^2/NDF : 240281.6/31

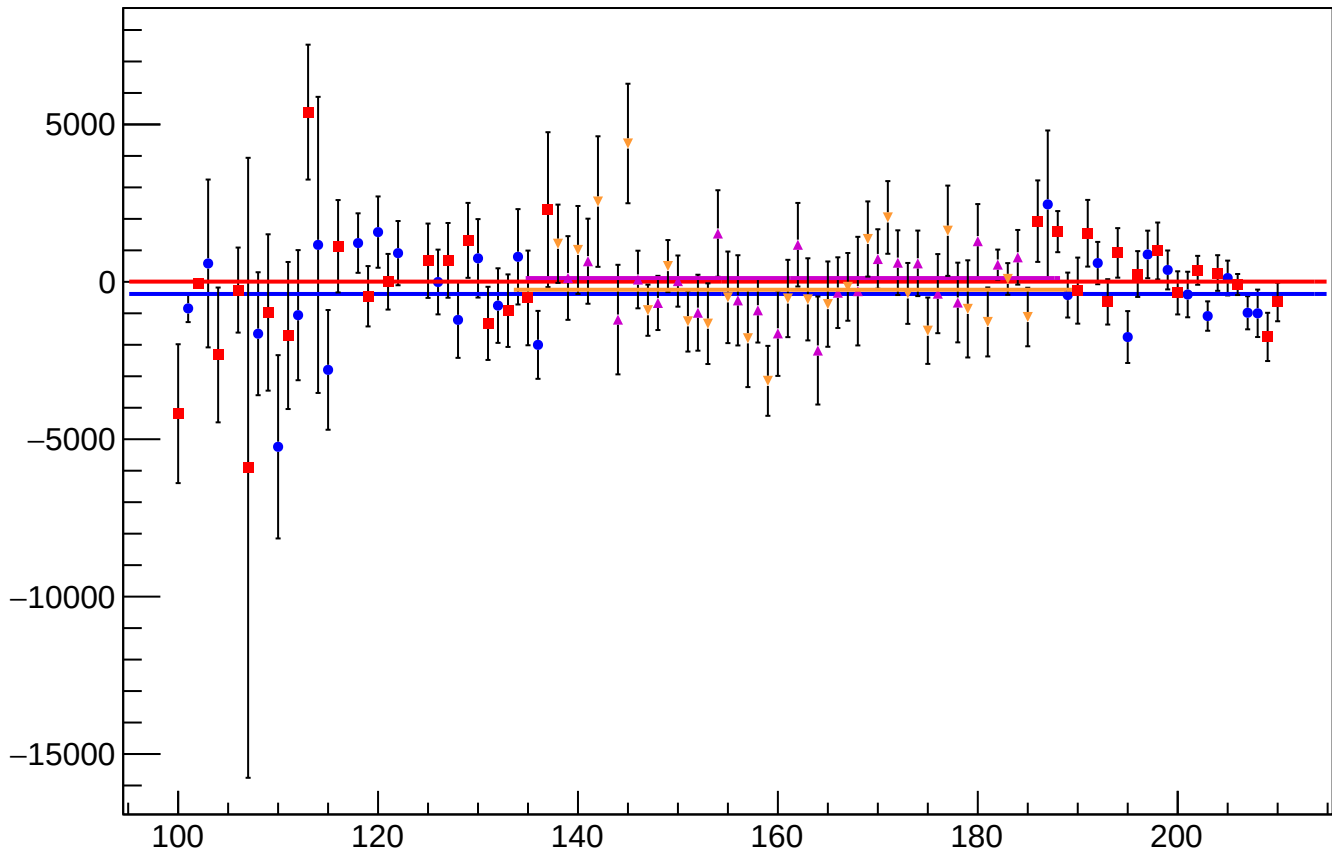
Left In: 1471.054+/-0.243 χ^2/NDF : 4642.4/22

+ sign 1478.563+/-0.178 χ^2/NDF : 157110.7/50

All: 1484.233+/-0.125 χ^2/NDF : 416275.1/105

- sign 1489.692+/-0.175 χ^2/NDF : 257182.2/54

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -385.272 ± 160.464 χ^2/NDF : 33.9/26

Left Out: -251.610 ± 218.369 χ^2/NDF : 32.7/23

Right Out: 7.142 ± 102.052 χ^2/NDF : 39.3/31

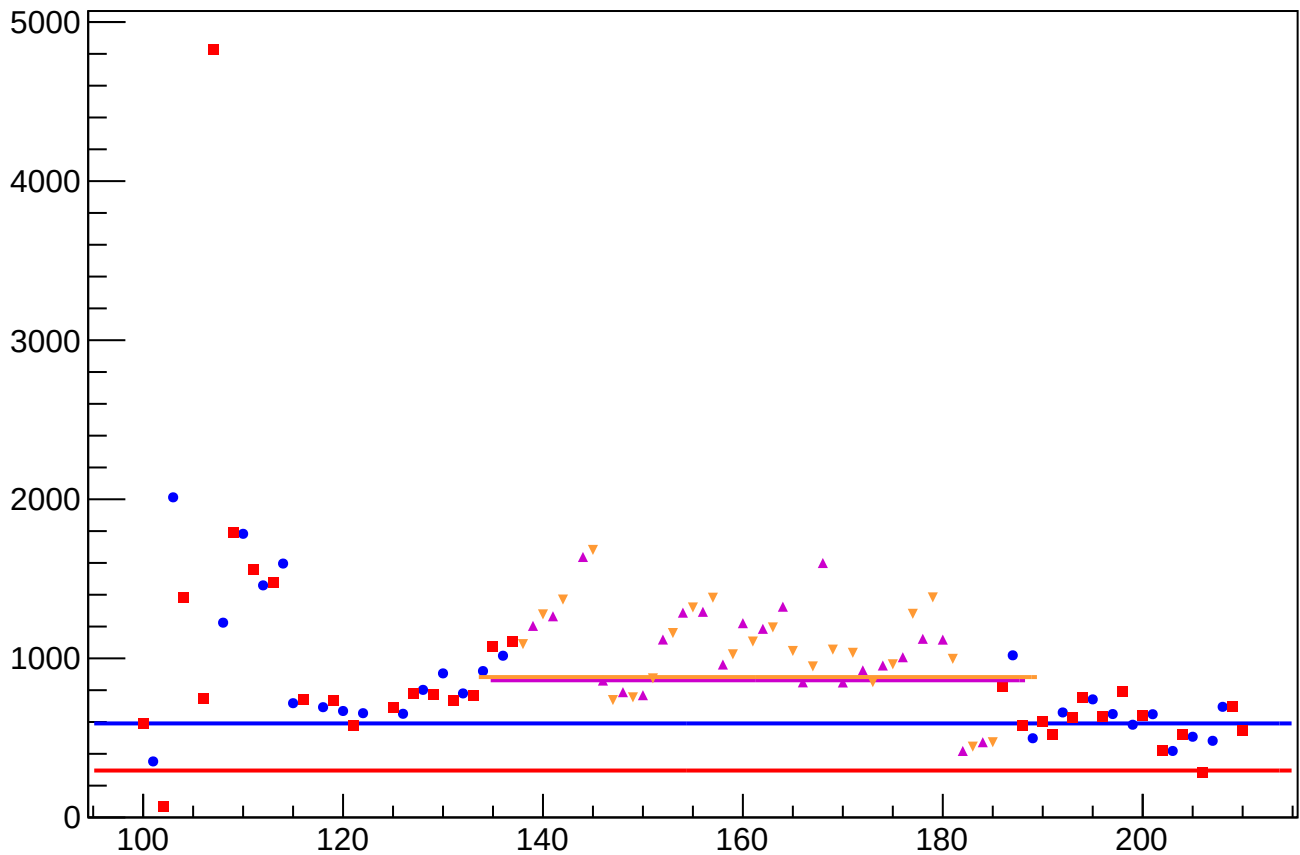
Left In: 119.802 ± 215.975 χ^2/NDF : 12.8/22

+ sign -338.405 ± 129.307 χ^2/NDF : 66.8/50

All: -95.818 ± 75.108 χ^2/NDF : 124.5/105

- sign 27.705 ± 92.270 χ^2/NDF : 52.4/54

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 591.077+/-0.113 χ^2/NDF : 3520720.9/26

Left Out: 882.430+/-0.154 χ^2/NDF : 3901279.8/23

Right Out: 294.951+/-0.072 χ^2/NDF : 16530126.5/31

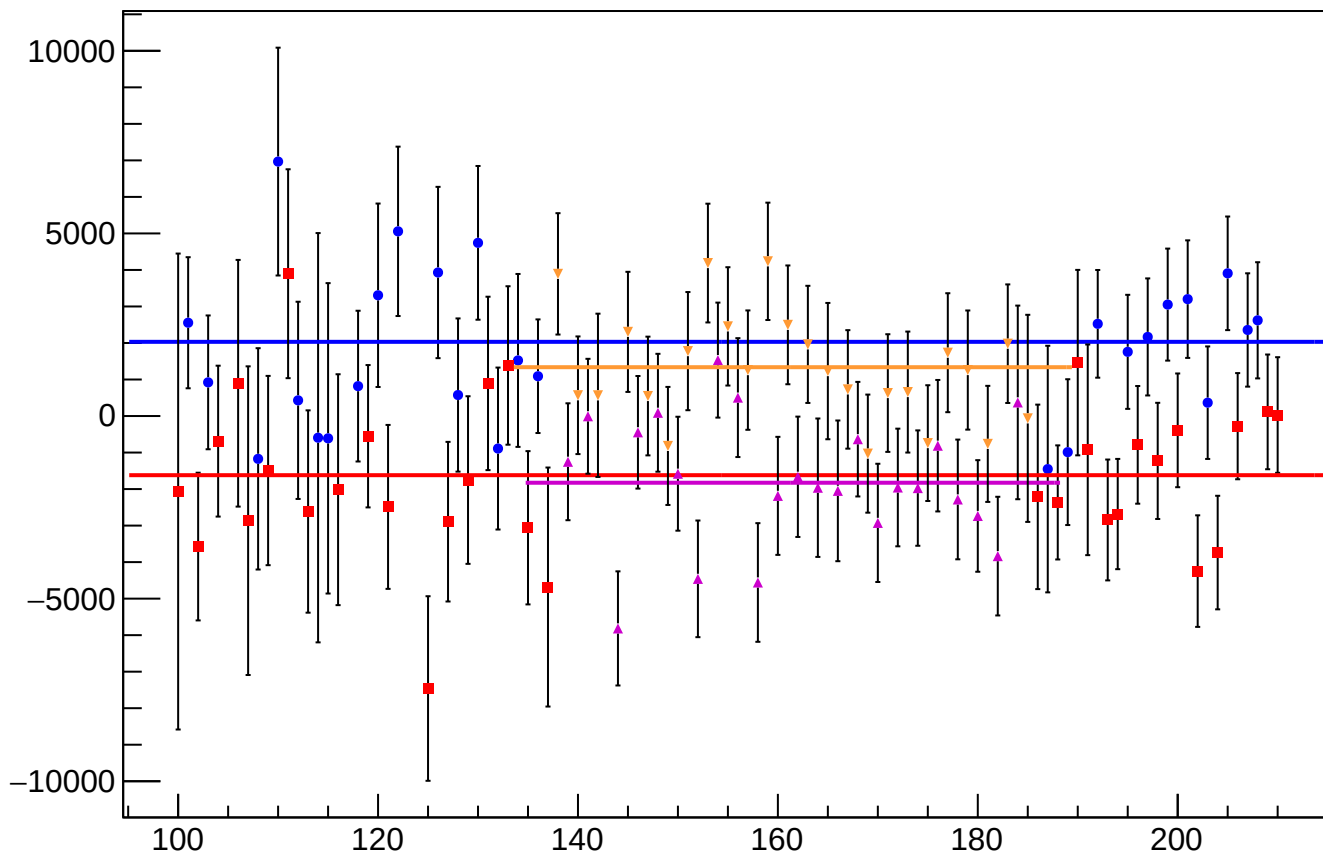
Left In: 862.298+/-0.153 χ^2/NDF : 4369416.2/22

+ sign 693.236+/-0.091 χ^2/NDF : 9733926.9/50

All: 497.945+/-0.053 χ^2/NDF : 48800681.5/10

- sign 398.504+/-0.065 χ^2/NDF : 32181818.6/54

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2031.789 $\pm$ 375.072 χ^2 /NDF: 19.6/26

Left Out: 1337.018 $\pm$ 341.012 χ^2 /NDF:19.2/23

Right Out: -1619.677 $\pm$ 357.264 χ^2 /NDF: 27.9/31

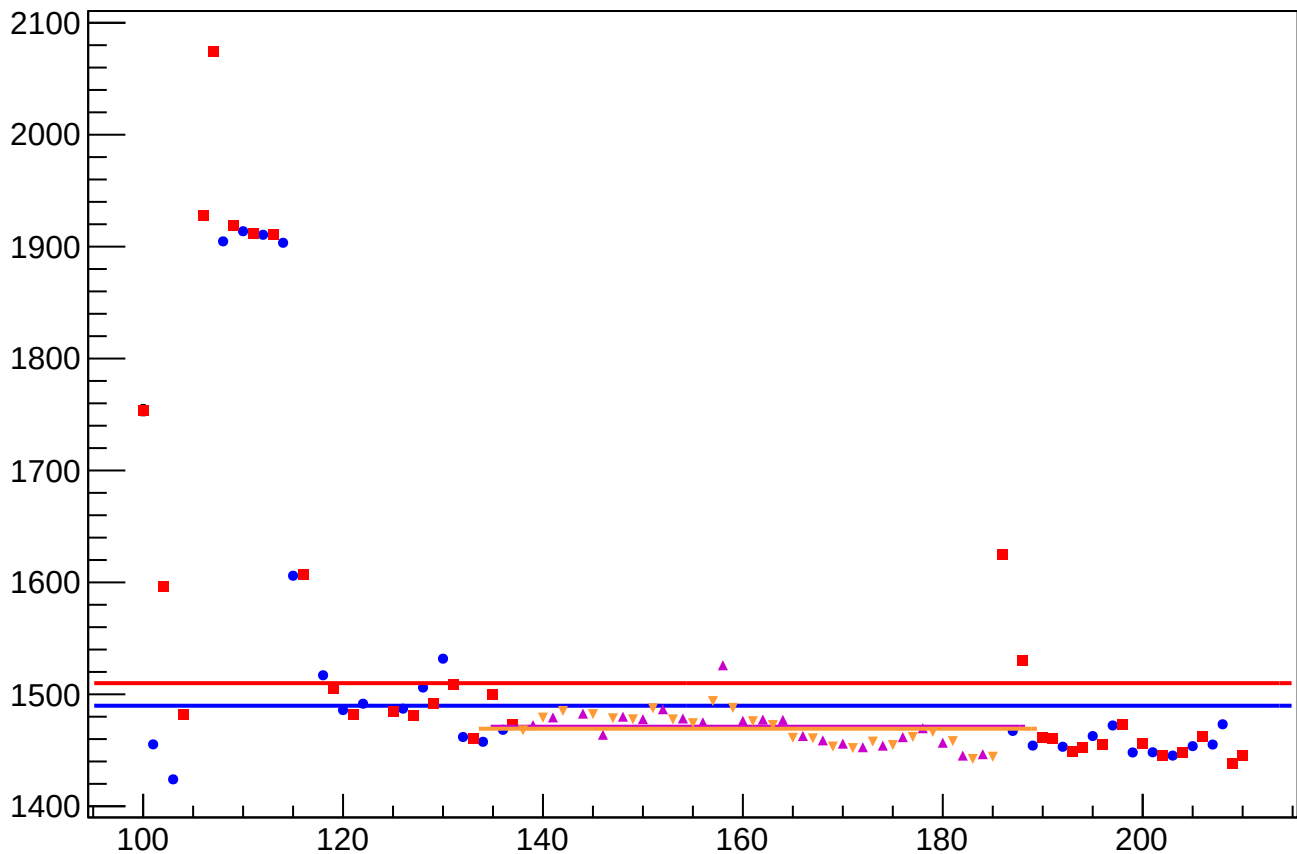
Left In: -1826.644 $\pm$ 343.483 χ^2 /NDF:26.5/22

+ sign 1651.432 $\pm$ 252.316 χ^2 /NDF: 40.6/50

All: -69.717 $\pm$ 176.726 χ^2 /NDF: 186.6/105

- sign -1727.229 $\pm$ 247.608 χ^2 /NDF: 54.6/54

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1489.809 $\pm$ 0.265 χ^2 /NDF: 150671.0/26

Left Out: 1469.267 $\pm$ 0.241 χ^2 /NDF:3155.3/23

Right Out: 1509.975 $\pm$ 0.253 χ^2 /NDF: 242383.2/31

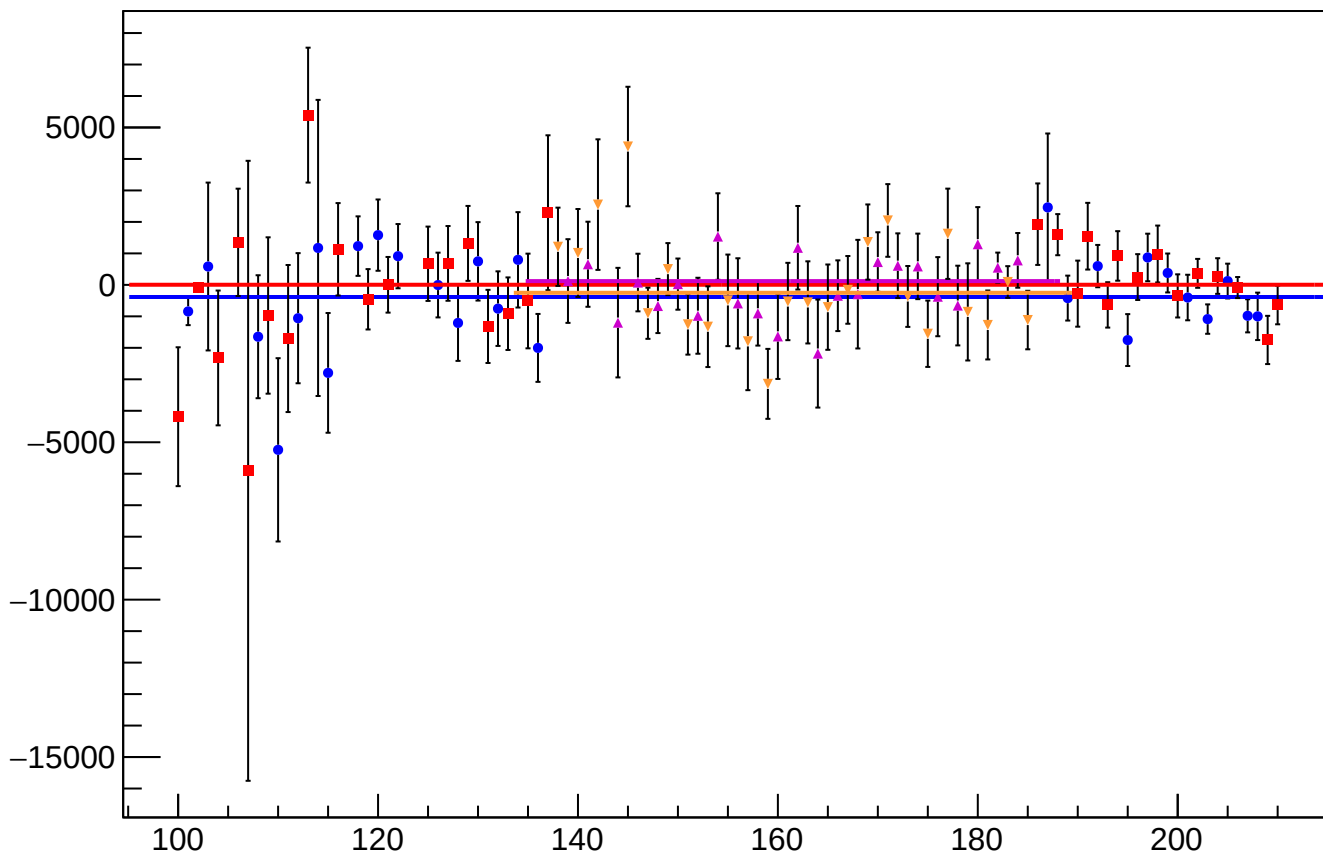
Left In: 1471.054 $\pm$ 0.243 χ^2 /NDF:4642.4/22

+ sign 1478.563 $\pm$ 0.178 χ^2 /NDF: 157110.7/50

All: 1484.262 $\pm$ 0.125 χ^2 /NDF: 418473.9/105

- sign 1489.749 $\pm$ 0.175 χ^2 /NDF: 259360.6/54

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -385.204 $\pm$ 160.462 χ^2 /NDF: 33.9/26

Left Out: -251.589 $\pm$ 218.368 χ^2 /NDF:32.7/23

Right Out: 3.925 $\pm$ 107.150 χ^2 /NDF: 40.1/31

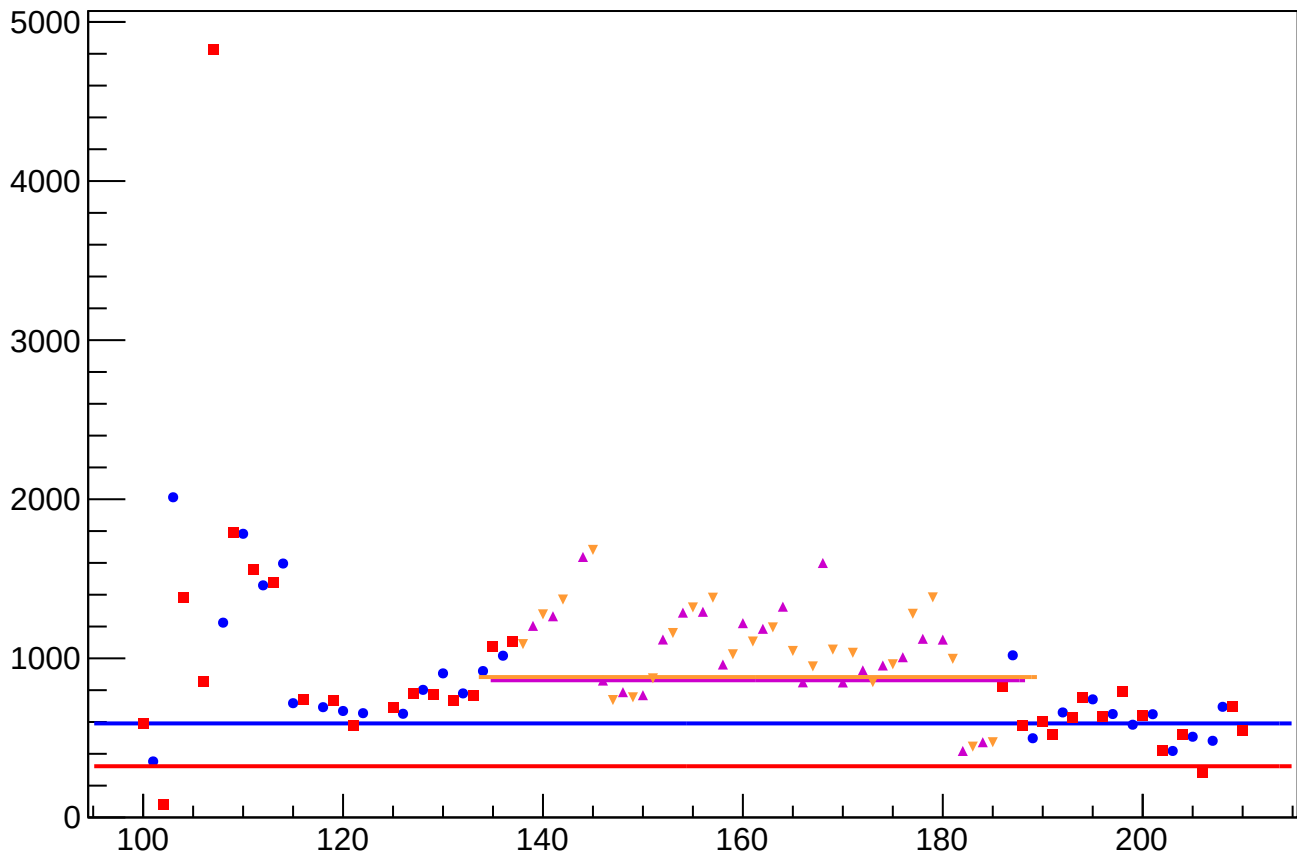
Left In: 119.845 $\pm$ 215.975 χ^2 /NDF:12.8/22

+ sign -338.354 $\pm$ 129.305 χ^2 /NDF: 66.8/50

All: -102.915 $\pm$ 77.072 χ^2 /NDF: 125.2/105

- sign 26.822 $\pm$ 95.986 χ^2 /NDF: 53.2/54

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 591.067 ± 0.113 χ^2/NDF : 3520983.8/26

Left Out: 882.419 ± 0.154 χ^2/NDF : 3901620.8/23

Right Out: 321.953 ± 0.076 χ^2/NDF : 15117222.3/31

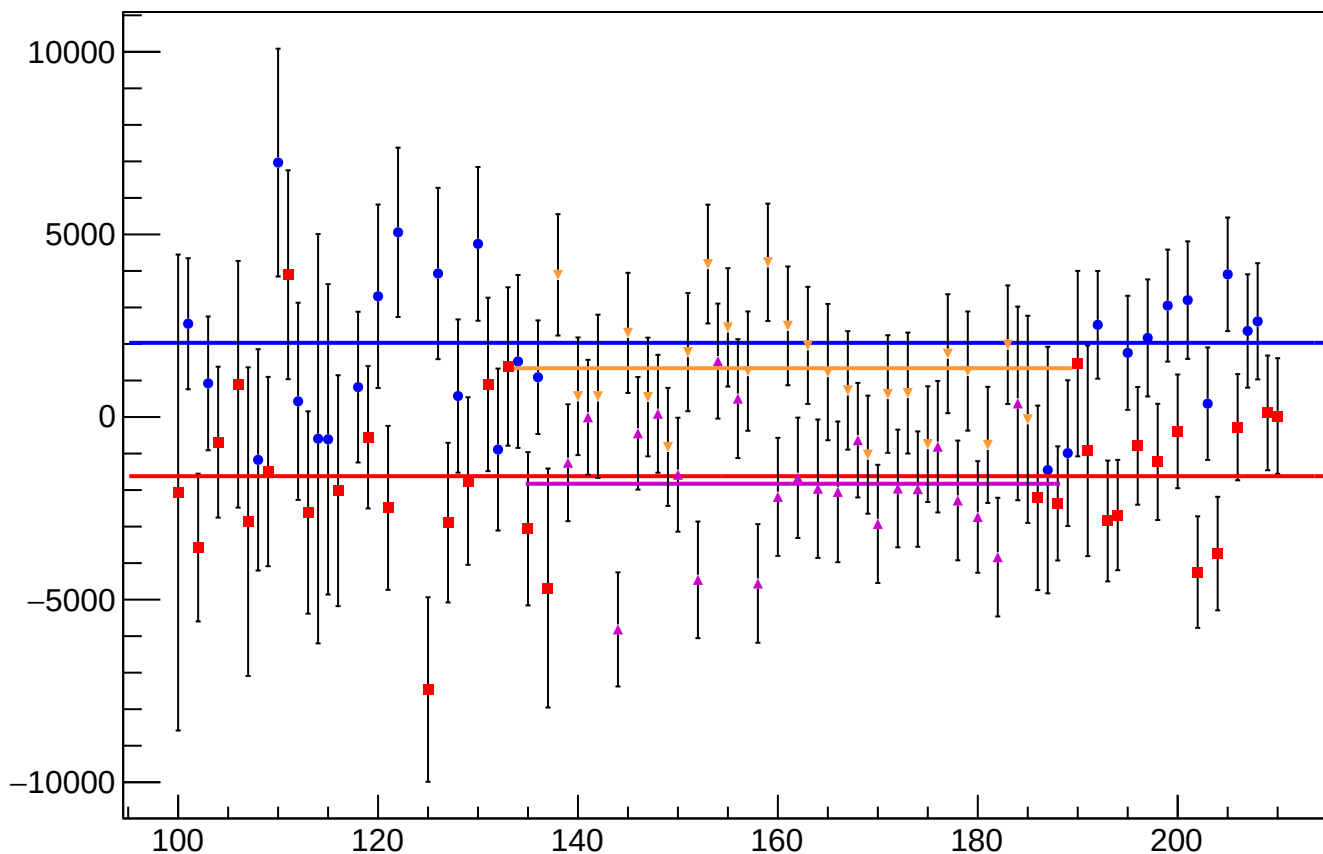
Left In: 862.300 ± 0.153 χ^2/NDF : 4369426.7/22

+ sign 693.225 ± 0.091 χ^2/NDF : 9734561.2/50

All: 522.667 ± 0.054 χ^2/NDF : 44664576.2/10

- sign 428.682 ± 0.068 χ^2/NDF : 29532829.0/54

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2031.789 $\pm$ 375.072 χ^2 /NDF: 19.6/26

Left Out: 1337.018 $\pm$ 341.012 χ^2 /NDF:19.2/23

Right Out: -1619.677 $\pm$ 357.264 χ^2 /NDF: 27.9/31

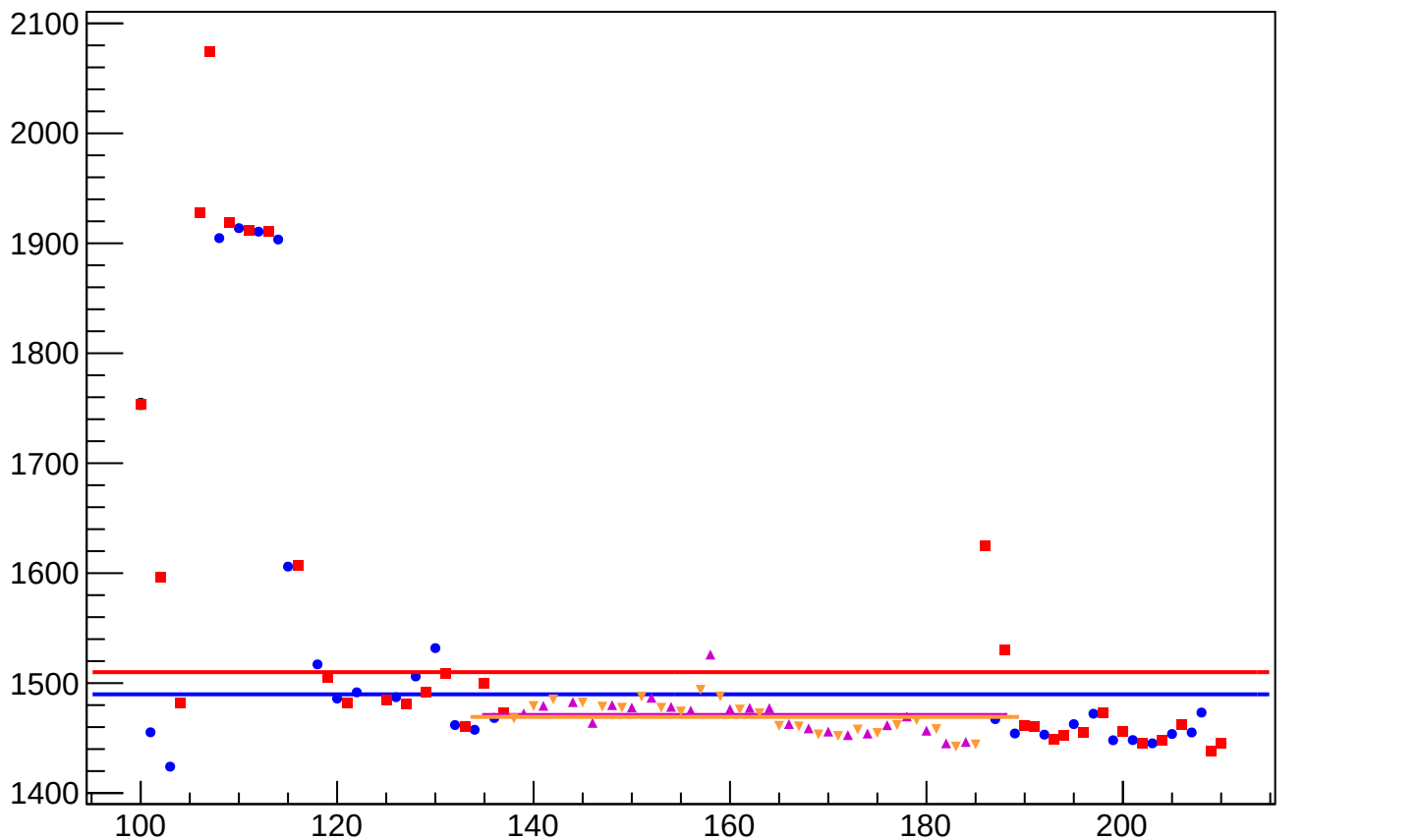
Left In: -1826.644 $\pm$ 343.483 χ^2 /NDF:26.5/22

+ sign 1651.432 $\pm$ 252.316 χ^2 /NDF: 40.6/50

All: -69.717 $\pm$ 176.726 χ^2 /NDF: 186.6/105

- sign -1727.229 $\pm$ 247.608 χ^2 /NDF: 54.6/54

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1489.809 $\pm$ 0.265 χ^2 /NDF: 150671.0/26

Left Out: 1469.267 $\pm$ 0.241 χ^2 /NDF:3155.3/23

+ sign 1478.563 $\pm$ 0.178 χ^2 /NDF: 157110.7/50

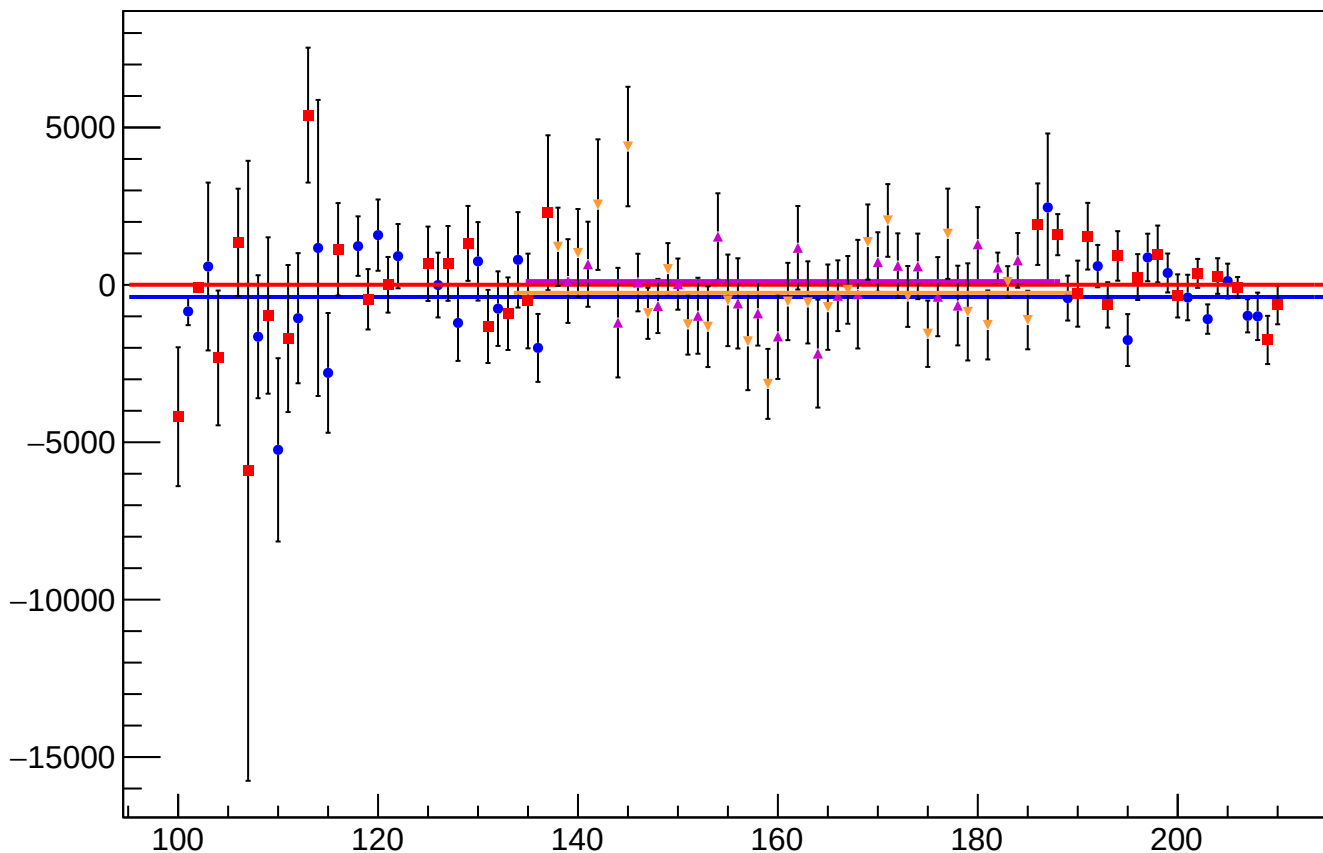
Right Out: 1509.975 $\pm$ 0.253 χ^2 /NDF: 242383.2/31

All: 1484.262 $\pm$ 0.125 χ^2 /NDF: 418473.9/105

- sign 1489.749 $\pm$ 0.175 χ^2 /NDF: 259360.6/54

Left In: 1471.054 $\pm$ 0.243 χ^2 /NDF:4642.4/22

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug



Right In: -385.204 ± 160.462 χ^2/NDF : 33.9/26

Left Out: -251.589 ± 218.368 χ^2/NDF : 32.7/23

Right Out: 3.925 ± 107.150 χ^2/NDF : 40.1/31

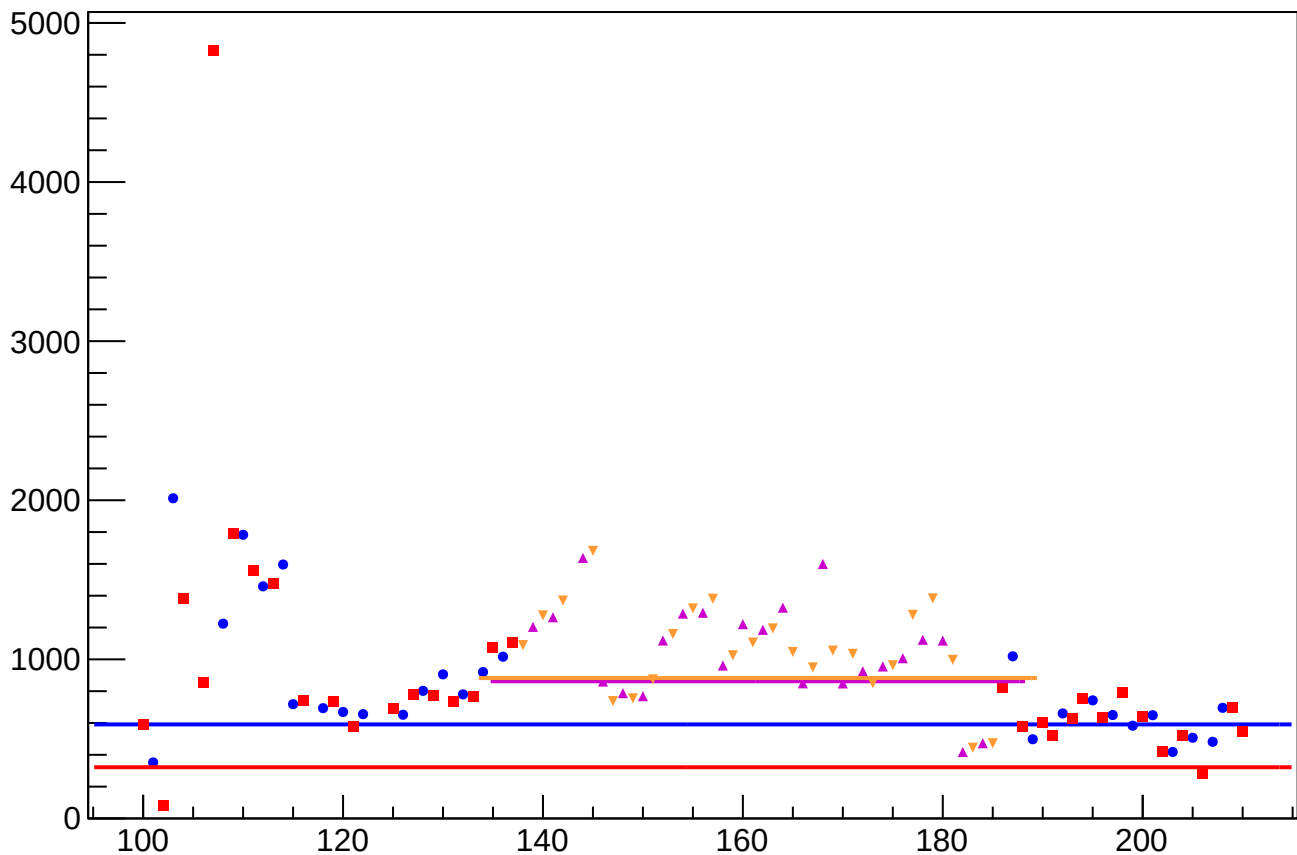
Left In: 119.845 ± 215.975 χ^2/NDF : 12.8/22

+ sign -338.354 ± 129.305 χ^2/NDF : 66.8/50

All: -102.915 ± 77.072 χ^2/NDF : 125.2/105

- sign 26.822 ± 95.986 χ^2/NDF : 53.2/54

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 591.067 ± 0.113 χ^2/NDF : 3520983.8/26

Left Out: 882.419 ± 0.154 χ^2/NDF : 3901620.8/23

Right Out: 321.953 ± 0.076 χ^2/NDF : 15117222.3/31

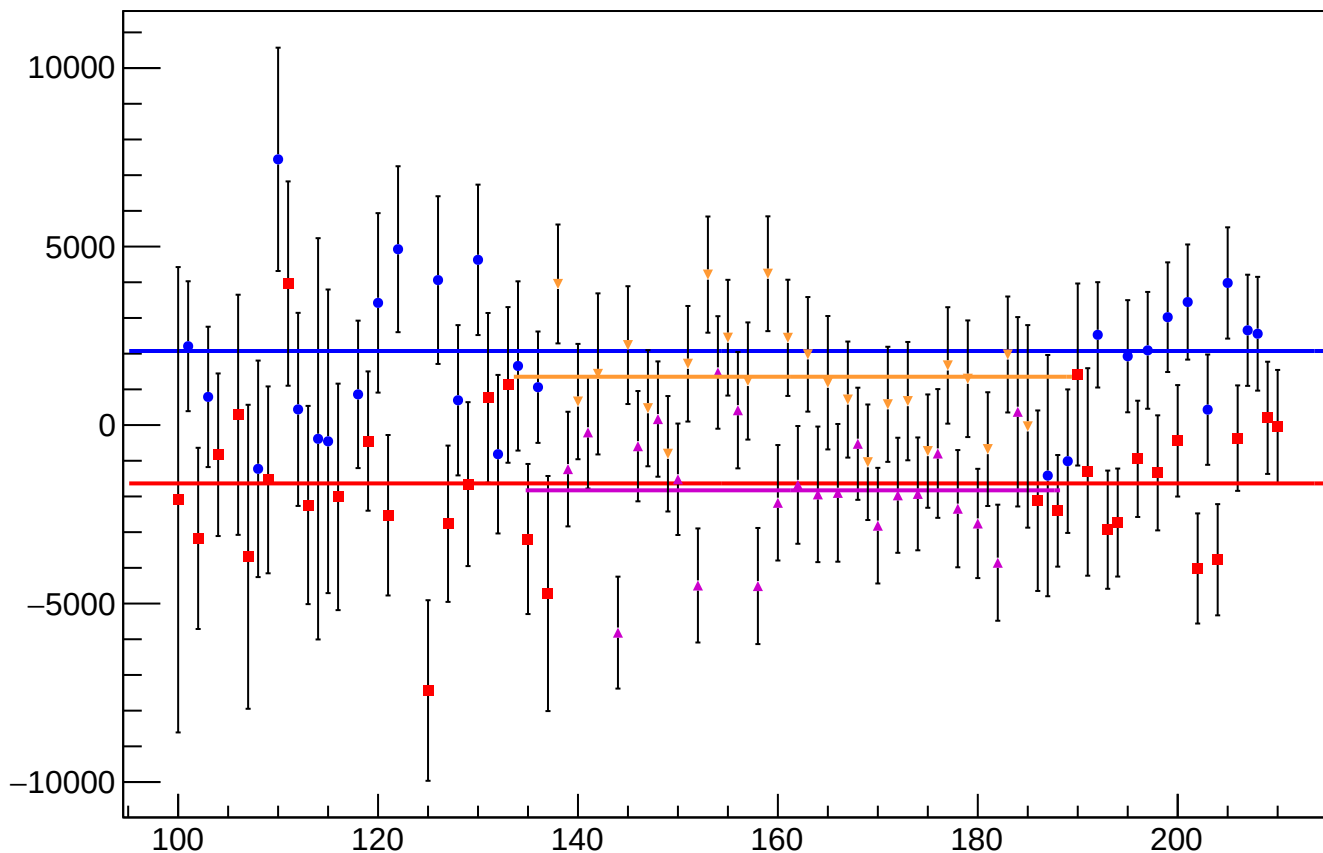
Left In: 862.300 ± 0.153 χ^2/NDF : 4369426.7/22

+ sign 693.225 ± 0.091 χ^2/NDF : 9734561.2/50

All: 522.667 ± 0.054 χ^2/NDF : 44664576.2/10

- sign 428.682 ± 0.068 χ^2/NDF : 29532829.0/54

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2074.643 $\pm$ 377.553 χ^2 /NDF: 19.9/26

Left Out: 1353.686 $\pm$ 341.570 χ^2 /NDF: 18.9/23

Right Out: -1634.517 $\pm$ 361.869 χ^2 /NDF: 26.1/31

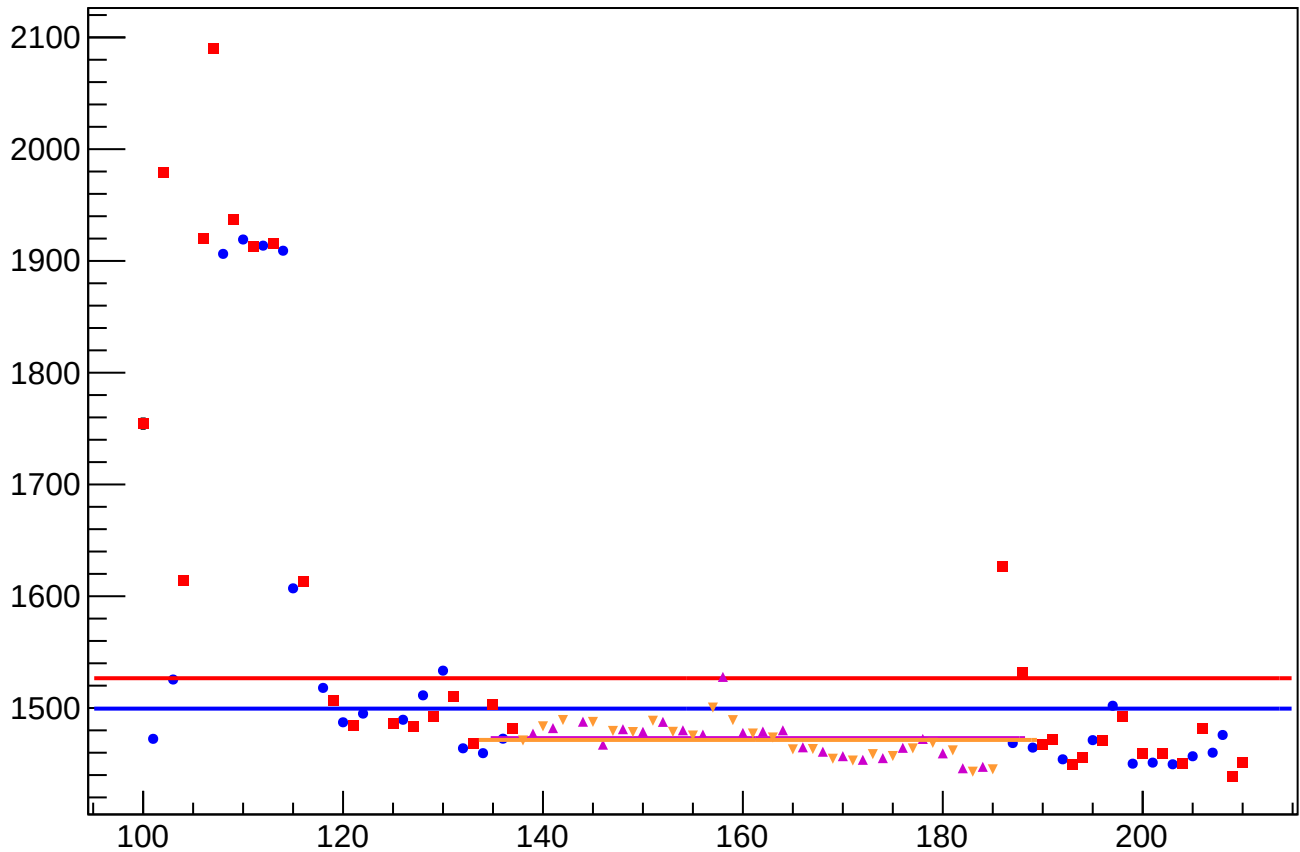
Left In: -1828.250 $\pm$ 343.952 χ^2 /NDF: 25.8/22

+ sign 1678.179 $\pm$ 253.295 χ^2 /NDF: 40.8/50

All: -56.168 $\pm$ 177.679 χ^2 /NDF: 185.2/105

- sign -1736.298 $\pm$ 249.304 χ^2 /NDF: 52.1/54

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1499.448 $\pm$ 0.267 χ^2 /NDF: 146589.4/26

Left Out: 1471.437 $\pm$ 0.242 χ^2 /NDF:3436.8/23

Right Out: 1526.643 $\pm$ 0.256 χ^2 /NDF: 304380.0/31

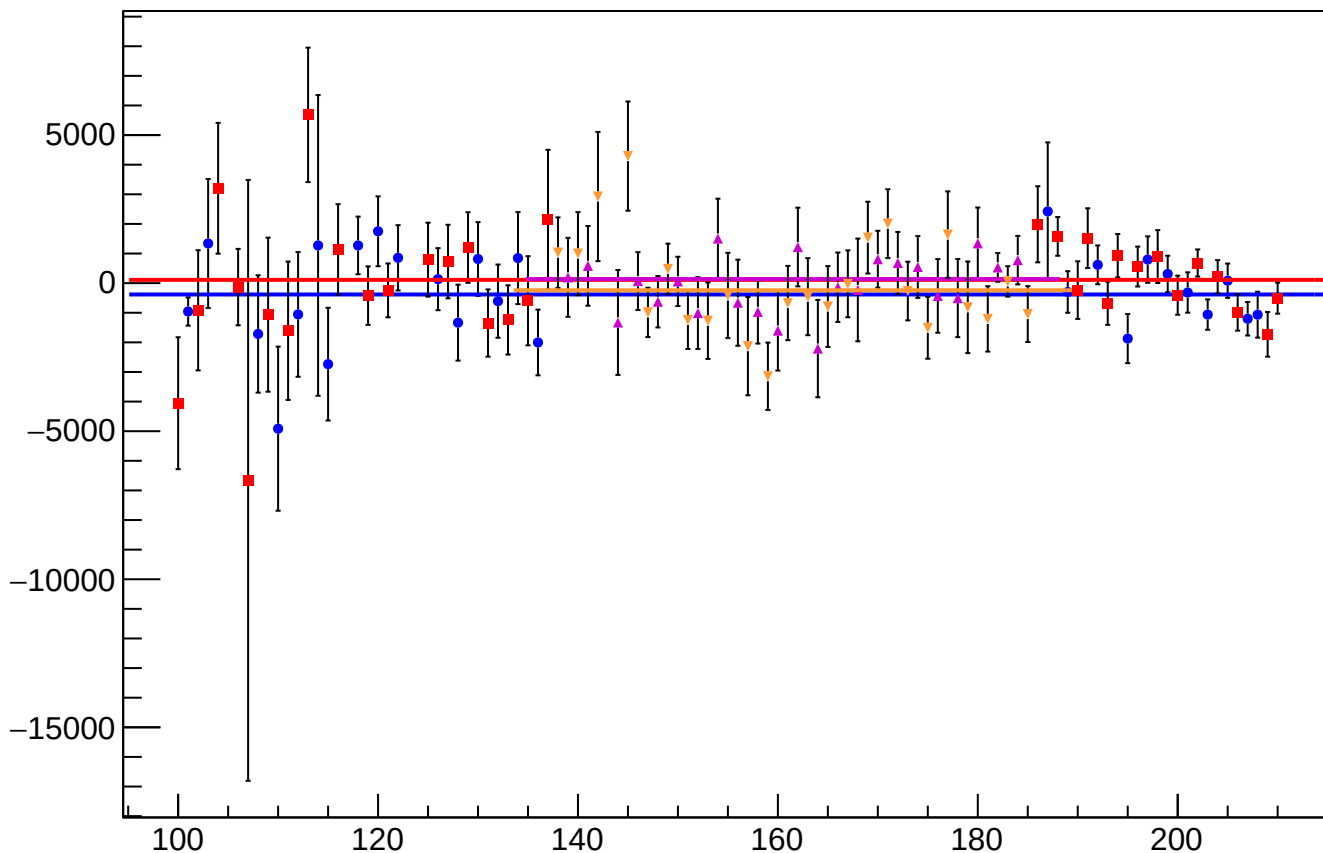
Left In: 1473.049 $\pm$ 0.243 χ^2 /NDF:4751.3/22

+ sign 1484.044 $\pm$ 0.179 χ^2 /NDF: 156080.2/50

All: 1491.380 $\pm$ 0.126 χ^2 /NDF: 491561.7/105

- sign 1498.486 $\pm$ 0.176 χ^2 /NDF: 332179.0/54

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -383.019 $\pm$ 166.327 χ^2/NDF : 34.7/26

Left Out: -240.267 $\pm$ 221.787 χ^2/NDF : 32.4/23

Right Out: 110.682 $\pm$ 160.097 χ^2/NDF : 44.8/31

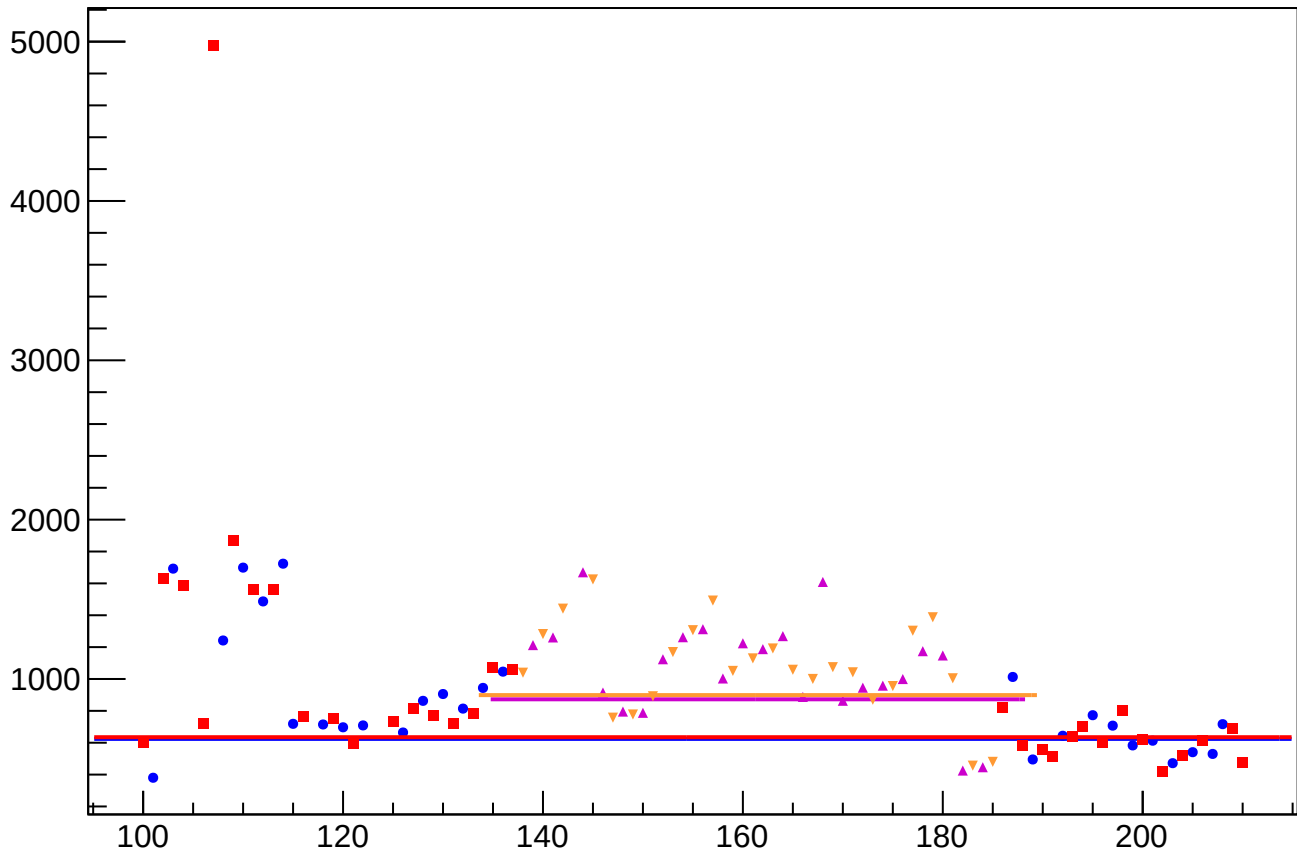
Left In: 138.421 $\pm$ 218.478 χ^2/NDF : 13.0/22

+ sign -331.634 $\pm$ 133.066 χ^2/NDF : 67.4/50

All: -98.859 $\pm$ 92.671 χ^2/NDF : 131.2/105

- sign 120.373 $\pm$ 129.137 χ^2/NDF : 57.8/54

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 624.073+/-0.118 χ^2/NDF : 3090415.9/26

Left Out: 898.849+/-0.157 χ^2/NDF : 3791528.8/23

Right Out: 634.590+/-0.113 χ^2/NDF : 3665311.2/31

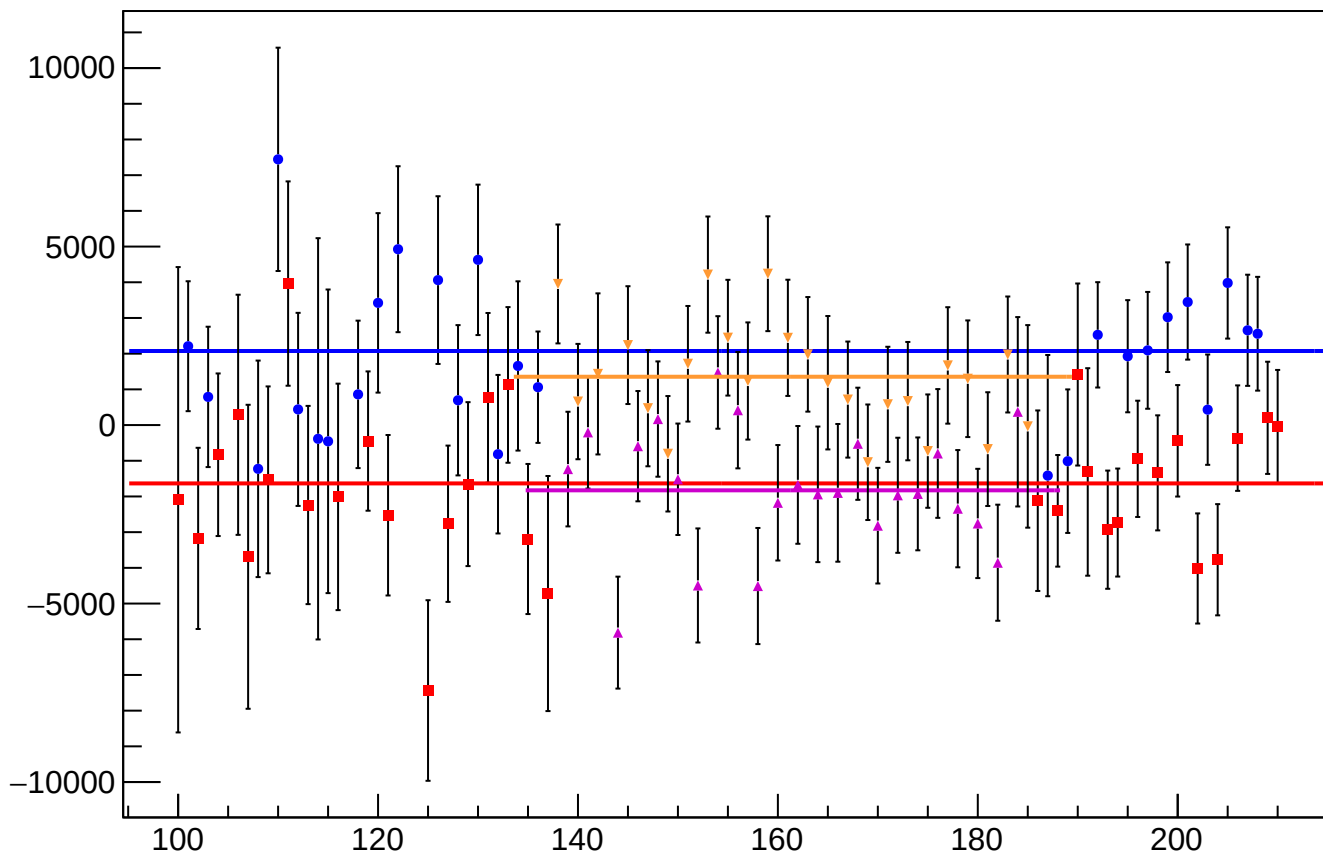
Left In: 872.472+/-0.154 χ^2/NDF : 4435516.3/22

+ sign 722.982+/-0.094 χ^2/NDF : 8846740.0/50

All: 720.261+/-0.066 χ^2/NDF : 18491866.7/10

- sign 717.698+/-0.091 χ^2/NDF : 9643502.7/54

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2074.641 $\pm$ 377.553 χ^2 /NDF: 19.9/26

Left Out: 1353.684 $\pm$ 341.570 χ^2 /NDF: 18.9/23

Right Out: -1634.516 $\pm$ 361.869 χ^2 /NDF: 26.1/31

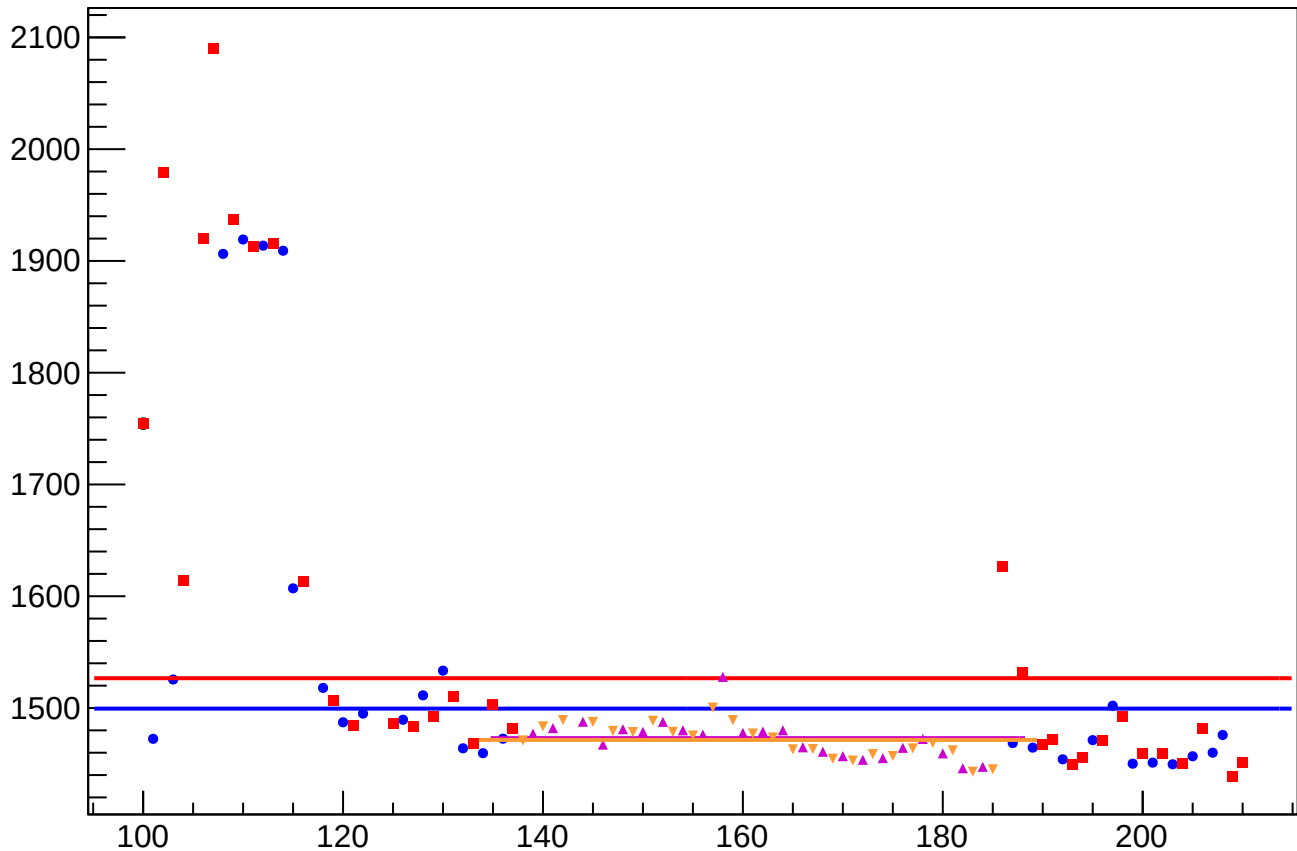
Left In: -1828.250 $\pm$ 343.952 χ^2 /NDF: 25.8/22

+ sign 1678.177 $\pm$ 253.295 χ^2 /NDF: 40.8/50

All: -56.169 $\pm$ 177.679 χ^2 /NDF: 185.2/105

- sign -1736.298 $\pm$ 249.304 χ^2 /NDF: 52.1/54

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1499.448 $\pm$ 0.267 χ^2 /NDF: 146589.3/26

Left Out: 1471.437 $\pm$ 0.242 χ^2 /NDF:3436.8/23

Right Out: 1526.643 $\pm$ 0.256 χ^2 /NDF: 304379.5/31

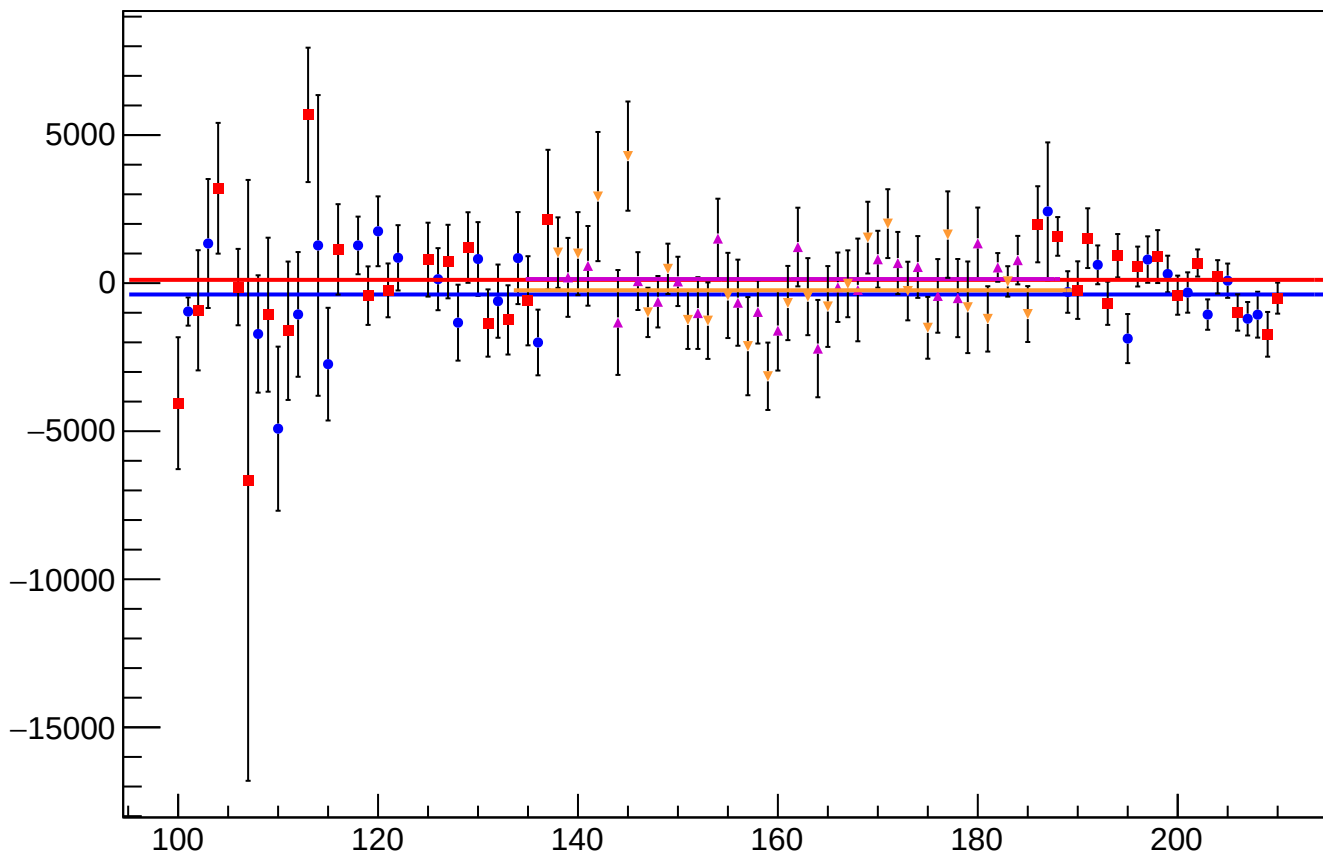
Left In: 1473.049 $\pm$ 0.243 χ^2 /NDF:4751.3/22

+ sign 1484.044 $\pm$ 0.179 χ^2 /NDF: 156080.1/50

All: 1491.380 $\pm$ 0.126 χ^2 /NDF: 491561.0/105

- sign 1498.486 $\pm$ 0.176 χ^2 /NDF: 332178.5/54

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



Right In: -383.019 ± 166.327 χ^2/NDF : 34.7/26

Left Out: -240.269 ± 221.788 χ^2/NDF : 32.4/23

Right Out: 110.682 ± 160.097 χ^2/NDF : 44.8/31

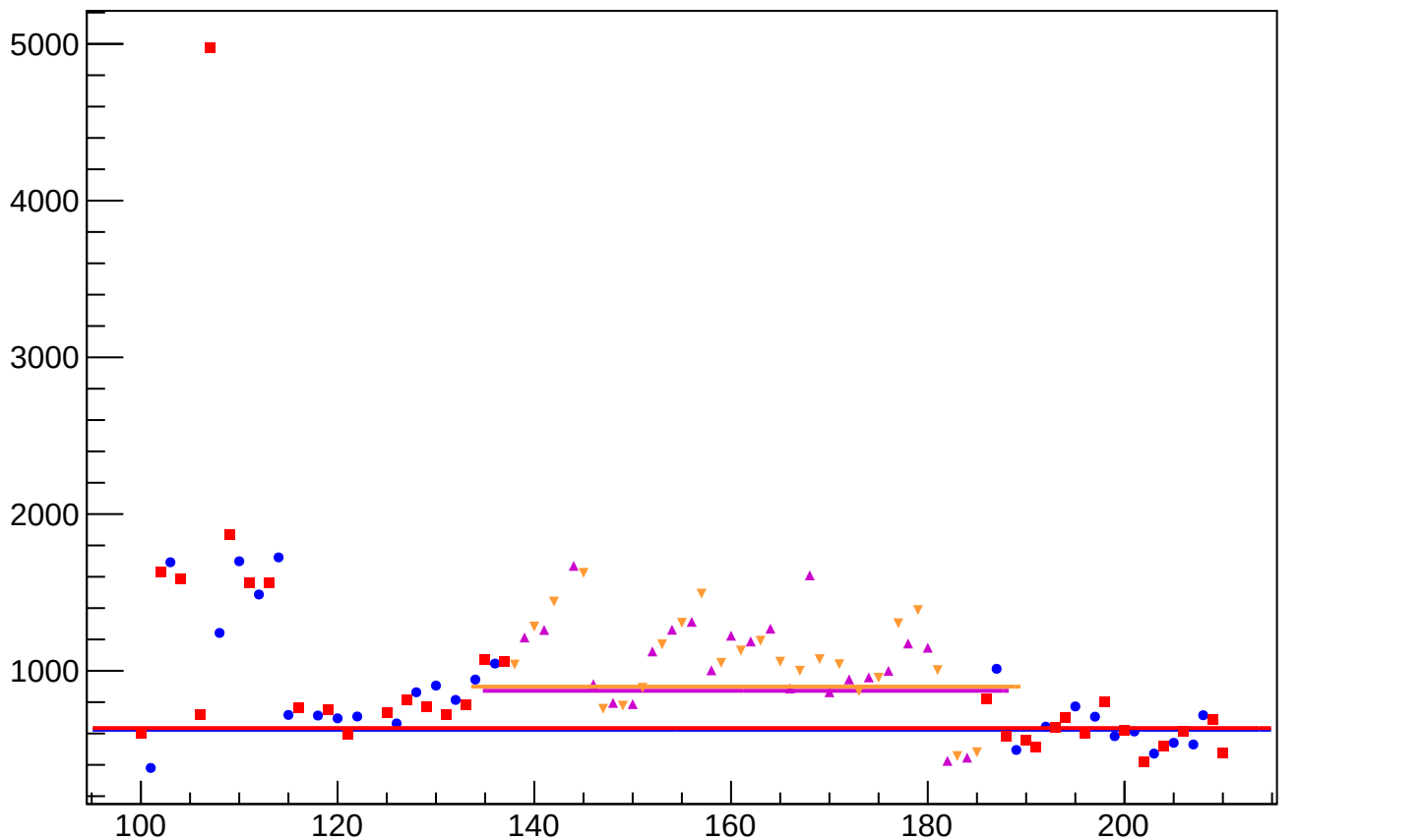
Left In: 138.421 ± 218.478 χ^2/NDF : 13.0/22

+ sign -331.634 ± 133.066 χ^2/NDF : 67.4/50

All: -98.859 ± 92.671 χ^2/NDF : 131.2/105

- sign 120.373 ± 129.137 χ^2/NDF : 57.8/54

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 624.074 $\pm$ 0.118 χ^2 /NDF: 3090410.1/26

Left Out: 898.850 $\pm$ 0.157 χ^2 /NDF: 3791537.4/23

Right Out: 634.590 $\pm$ 0.113 χ^2 /NDF: 3665307.6/31

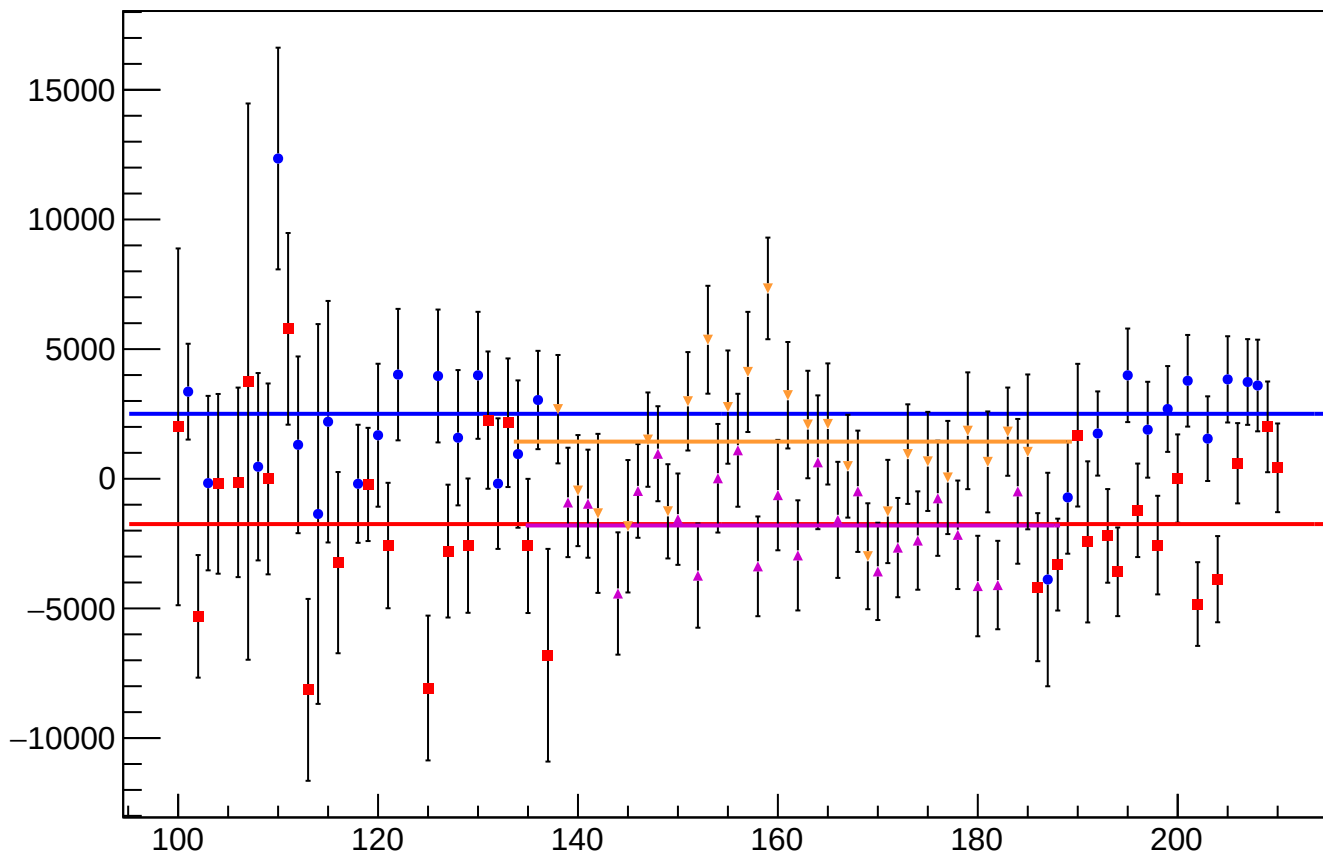
Left In: 872.473 $\pm$ 0.154 χ^2 /NDF: 4435524.1/22

+ sign 722.983 $\pm$ 0.094 χ^2 /NDF: 8846746.2/50

All: 720.262 $\pm$ 0.066 χ^2 /NDF: 18491881.6/10

- sign 717.699 $\pm$ 0.091 χ^2 /NDF: 9643511.4/54

asym_usl_atl1_avg_mean vs Slug



Right In: 2505.248 $\pm$ 425.325 χ^2 /NDF: 19.1/26

Left Out: 1433.314 $\pm$ 424.465 χ^2 /NDF:29.4/23

Right Out: -1747.411 $\pm$ 405.271 χ^2 /NDF: 42.9/31

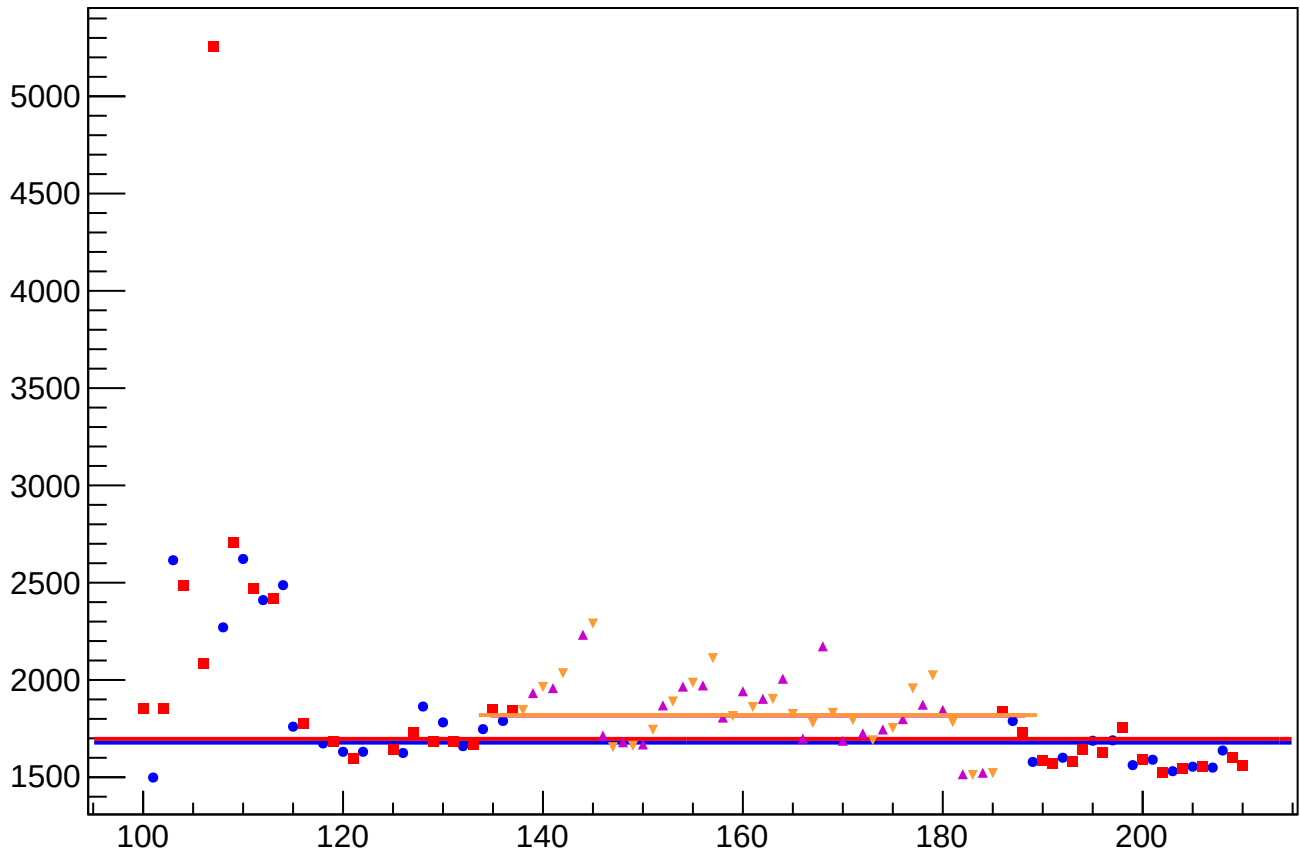
Left In: -1801.543 $\pm$ 426.483 χ^2 /NDF:15.3/22

+ sign 1968.196 $\pm$ 300.446 χ^2 /NDF: 51.7/50

All: 55.603 $\pm$ 210.052 χ^2 /NDF: 189.2/105

- sign -1773.097 $\pm$ 293.783 χ^2 /NDF: 58.2/54

asym_usl_atl1_avg_rms vs Slug



Right In: 1677.996 $\pm$ 0.301 χ^2 /NDF: 532413.1/26

Left Out: 1819.417 $\pm$ 0.300 χ^2 /NDF: 295015.0/23

Right Out: 1697.183 $\pm$ 0.287 χ^2 /NDF: 803716.4/31

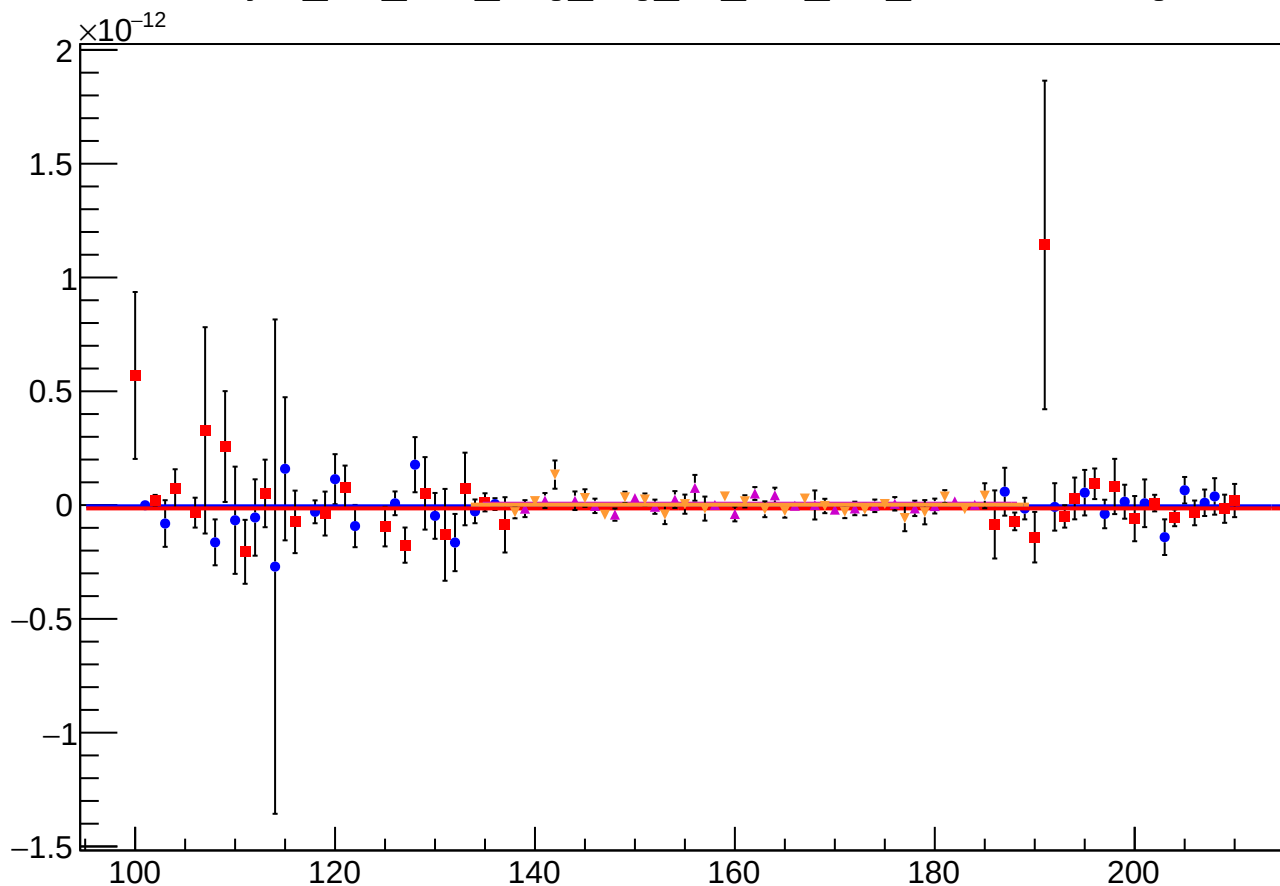
Left In: 1817.142 $\pm$ 0.302 χ^2 /NDF: 307103.2/22

+ sign 1748.850 $\pm$ 0.212 χ^2 /NDF: 938209.8/50

All: 1751.536 $\pm$ 0.149 χ^2 /NDF: 2132489.7/10

- sign 1754.105 $\pm$ 0.208 χ^2 /NDF: 1193967.1/54

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 16.3/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 29.3/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 29.7/31

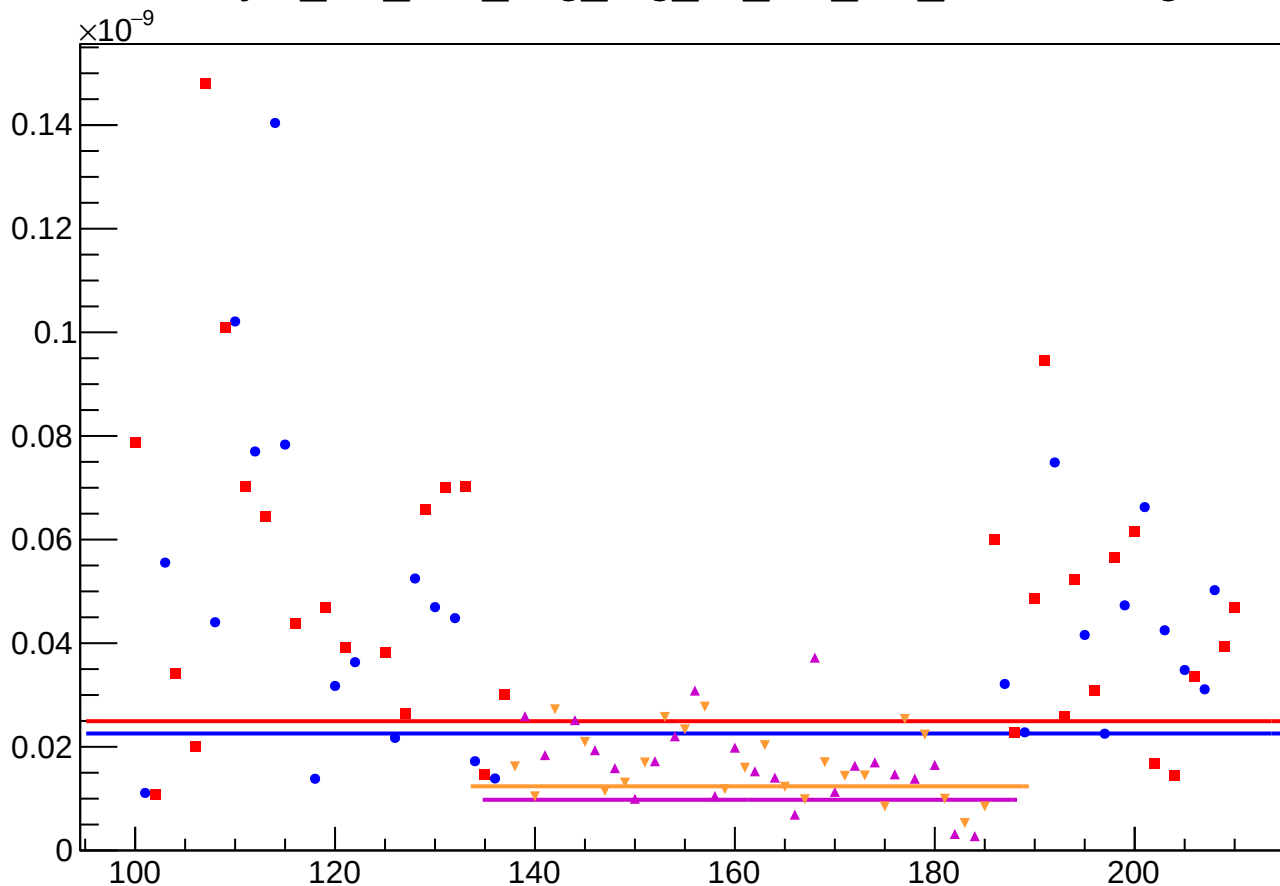
Left In: 0.000 ± 0.000 χ^2/NDF : 17.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 45.9/50

All: 0.000 ± 0.000 χ^2/NDF : 96.5/105

- sign 0.000 ± 0.000 χ^2/NDF : 50.4/54

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3805933.6/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1898110.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3584835.4/31

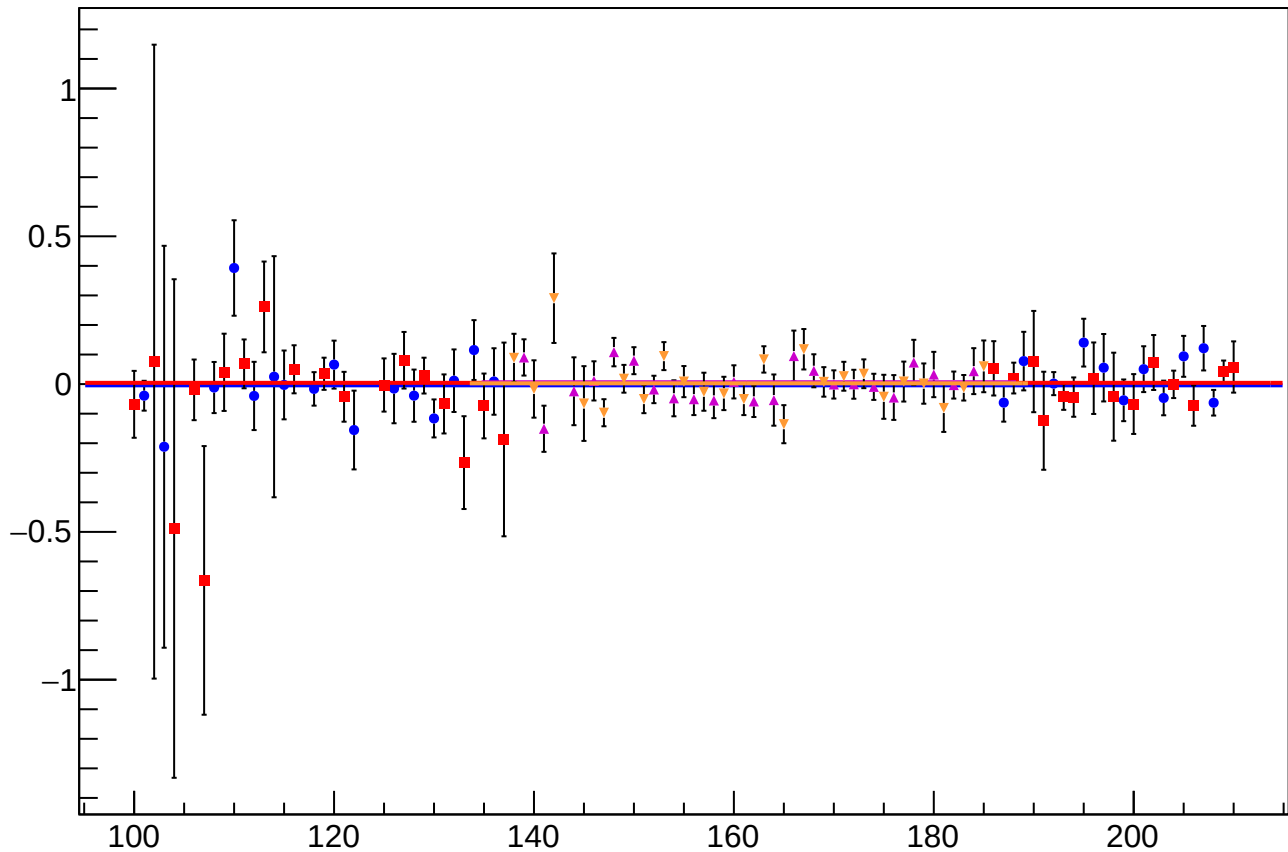
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 4499862.2/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 7056612.6/50

All: 0.000 $\pm$ 0.000 χ^2/NDF : 18348309.6/105

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 11018304.7/54

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.014 χ^2/NDF : 26.6/26

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.004 ± 0.014 χ^2/NDF : 19.4/31

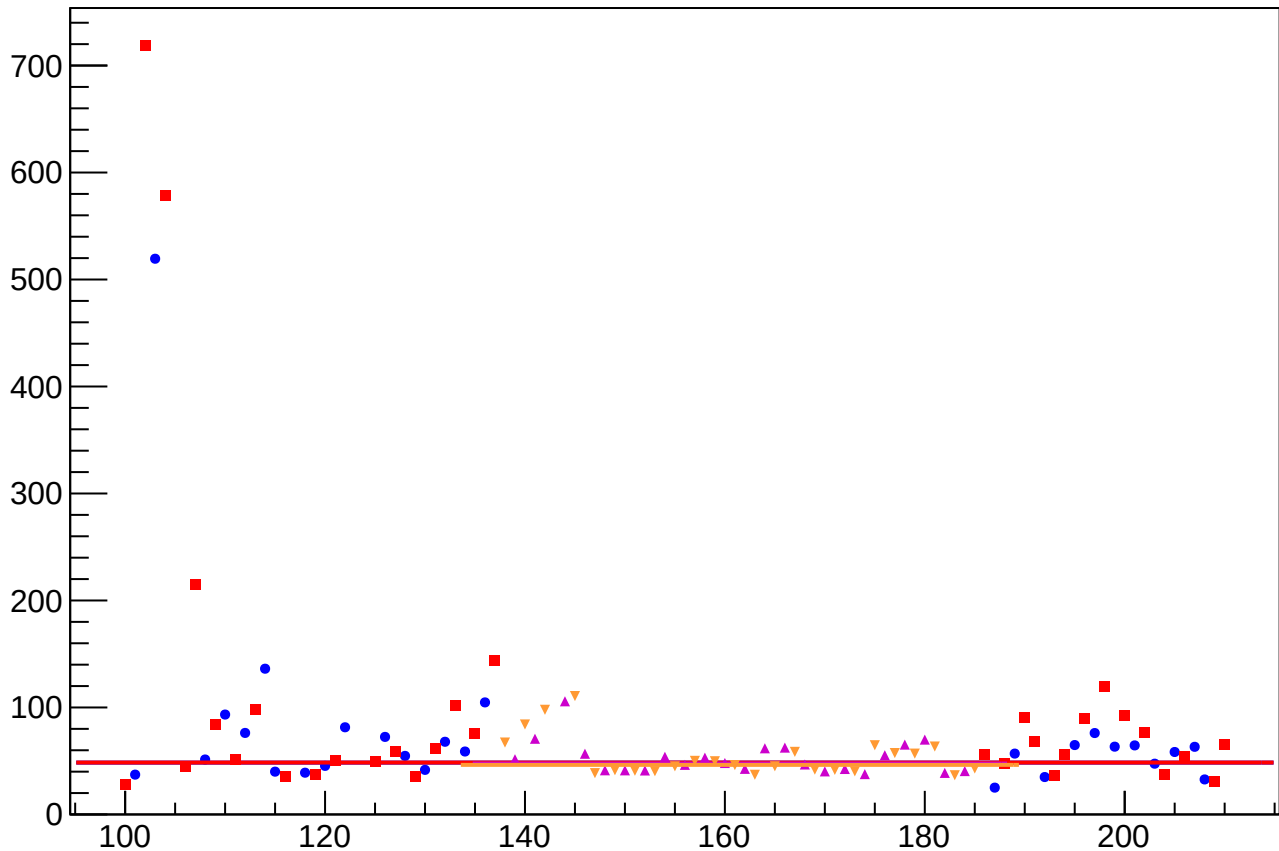
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.000 ± 0.009 χ^2/NDF : 56.6/50

All: 0.003 ± 0.007 χ^2/NDF : 97.8/105

- sign 0.005 ± 0.009 χ^2/NDF : 41.0/54

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 48.446 $\pm$ 0.010 χ^2 /NDF: 3596547.5/26

Left Out: 46.353 $\pm$ 0.008 χ^2 /NDF: 1967753.2/23

Right Out: 48.525 $\pm$ 0.010 χ^2 /NDF: 5353549.6/31

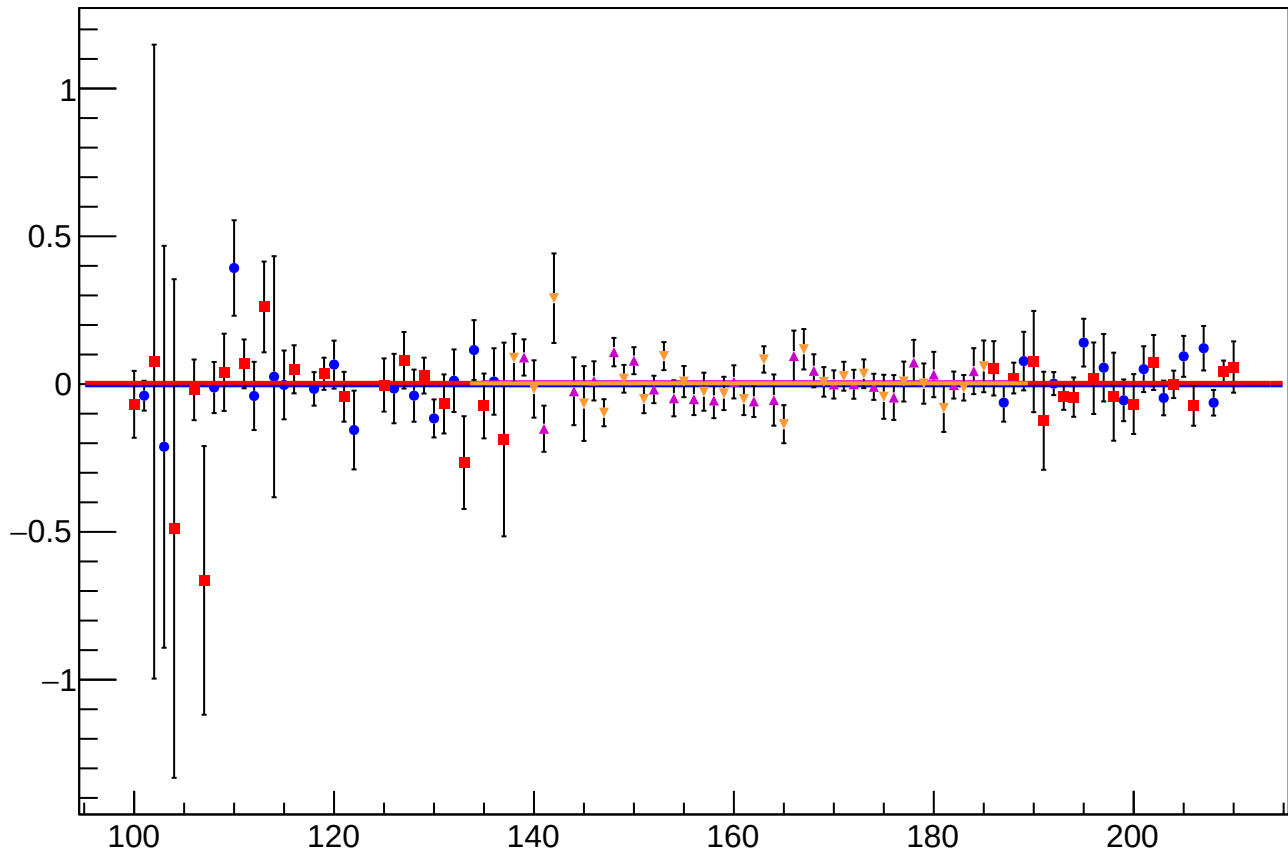
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF: 1576196.2/22

+ sign 47.195 $\pm$ 0.007 χ^2 /NDF: 5589206.7/50

All: 47.586 $\pm$ 0.005 χ^2 /NDF: 12531358.0/105

- sign 47.977 $\pm$ 0.007 χ^2 /NDF: 6934935.4/54

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.014 χ^2/NDF : 26.6/26

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.004 ± 0.014 χ^2/NDF : 19.4/31

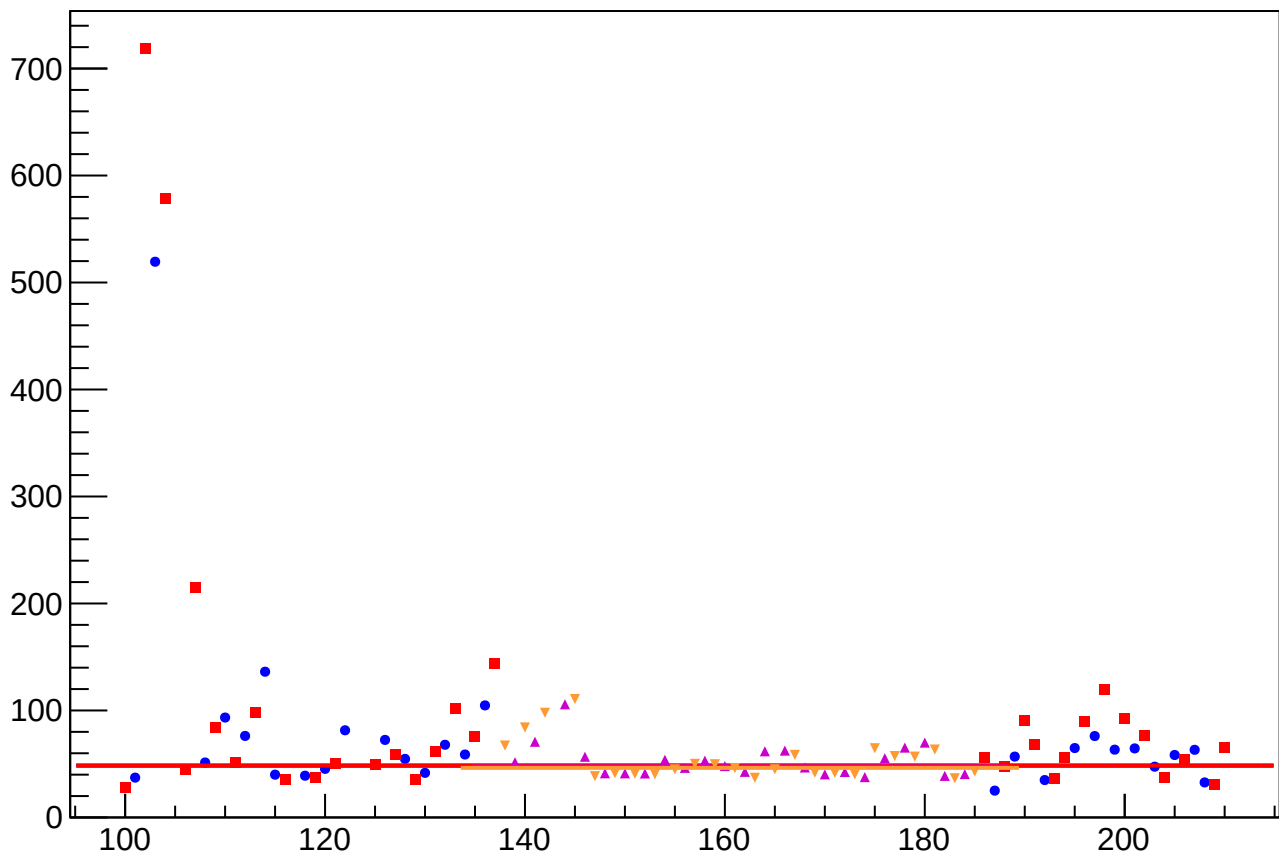
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.000 ± 0.009 χ^2/NDF : 56.6/50

All: 0.003 ± 0.007 χ^2/NDF : 97.8/105

- sign 0.005 ± 0.009 χ^2/NDF : 41.0/54

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 48.446 $\pm$ 0.010 χ^2 /NDF: 3596547.5/26

Left Out: 46.353 $\pm$ 0.008 χ^2 /NDF:1967753.2/23

Right Out: 48.525 $\pm$ 0.010 χ^2 /NDF: 5353549.6/31

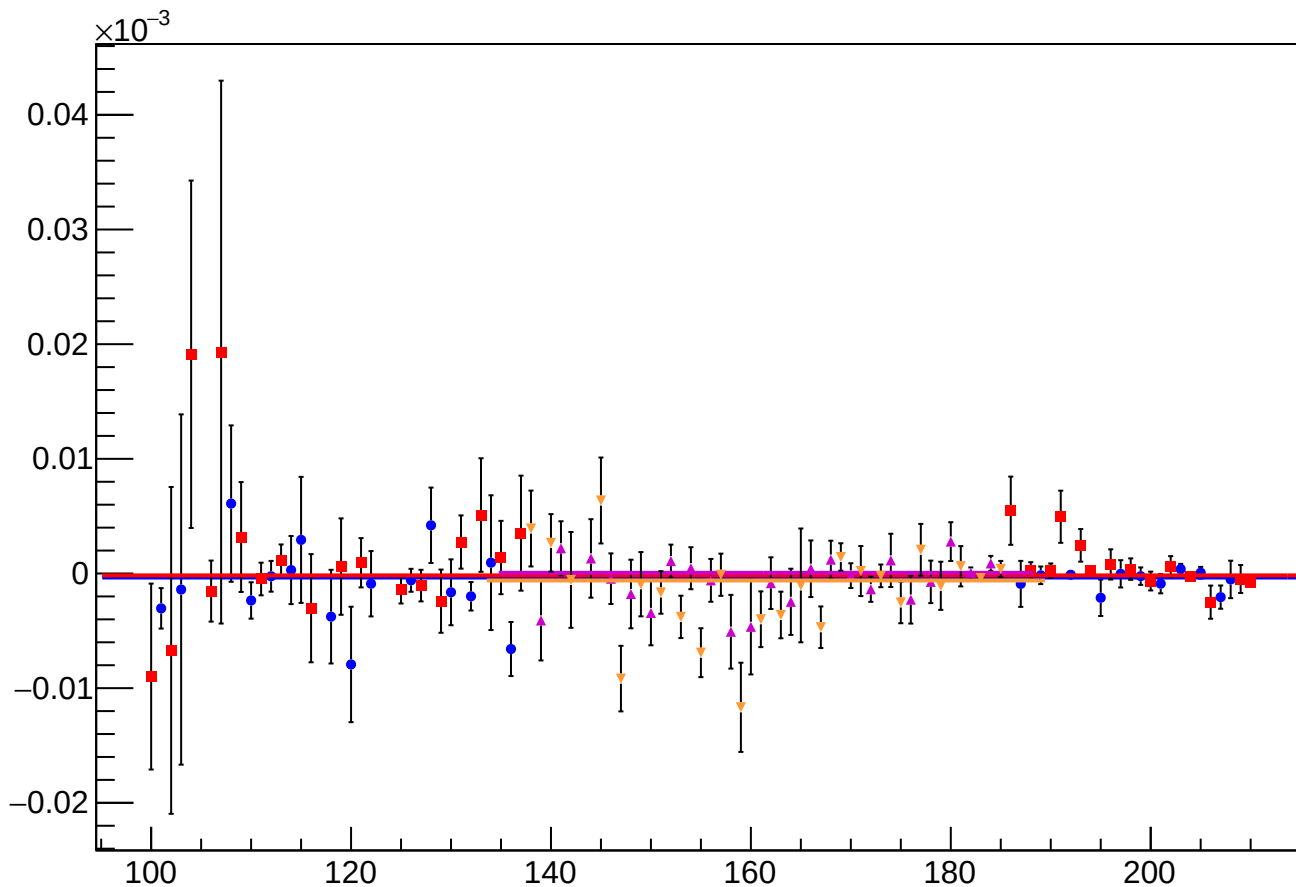
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF:1576196.2/22

+ sign 47.195 $\pm$ 0.007 χ^2 /NDF: 5589206.7/50

All: 47.586 $\pm$ 0.005 χ^2 /NDF: 12531358.0/105

- sign 47.977 $\pm$ 0.007 χ^2 /NDF: 6934935.4/54

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.5/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 54.0/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 35.1/31

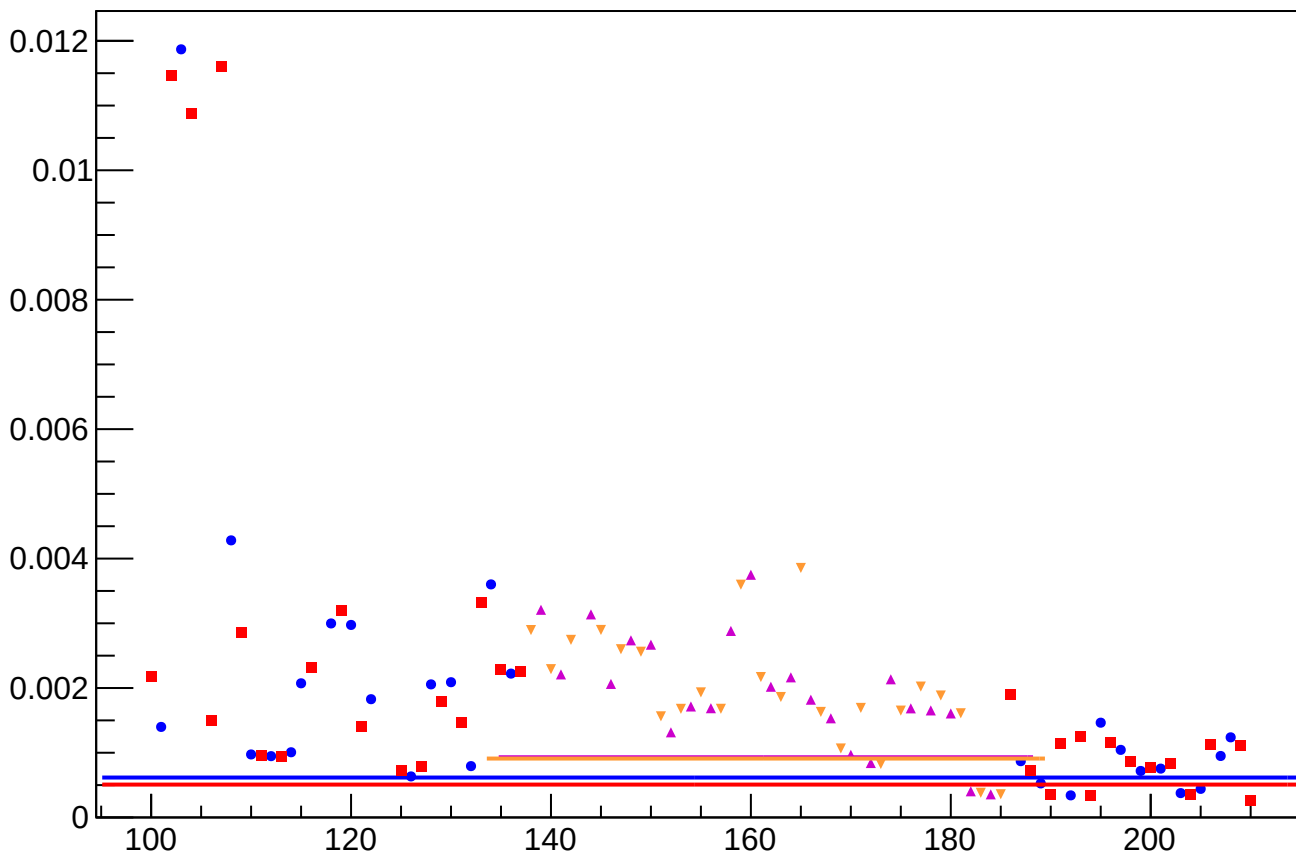
Left In: 0.000 ± 0.000 χ^2/NDF : 17.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 82.1/50

All: -0.000 ± 0.000 χ^2/NDF : 137.9/105

- sign -0.000 ± 0.000 χ^2/NDF : 53.5/54

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9508335.7/26

Left Out: 0.001+/-0.000 χ^2/NDF : 14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF : 13428096.5/31

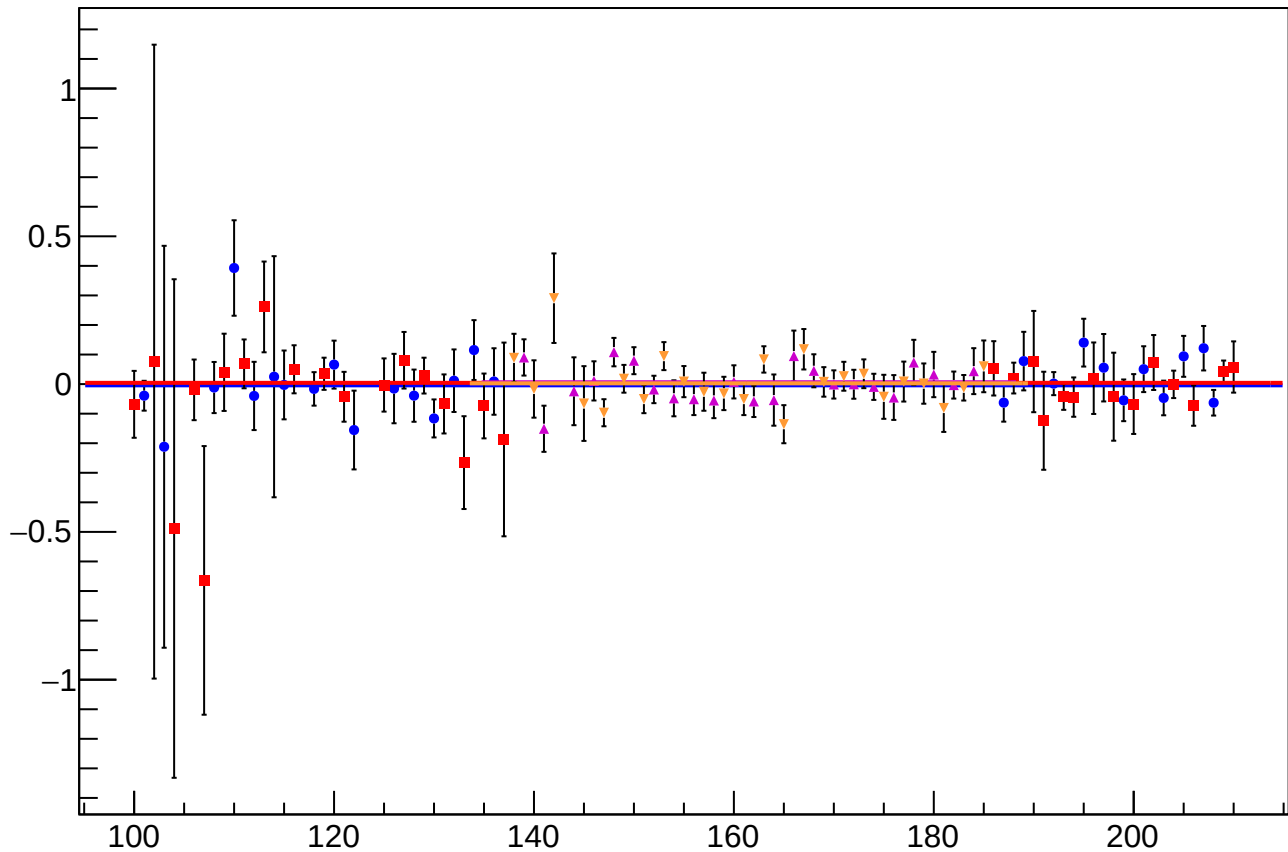
Left In: 0.001+/-0.000 χ^2/NDF : 13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF : 25131839.5/50

All: 0.001+/-0.000 χ^2/NDF : 56126229.0/105

- sign 0.001+/-0.000 χ^2/NDF : 30520194.4/54

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.014 χ^2/NDF : 26.6/26

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.004 ± 0.014 χ^2/NDF : 19.4/31

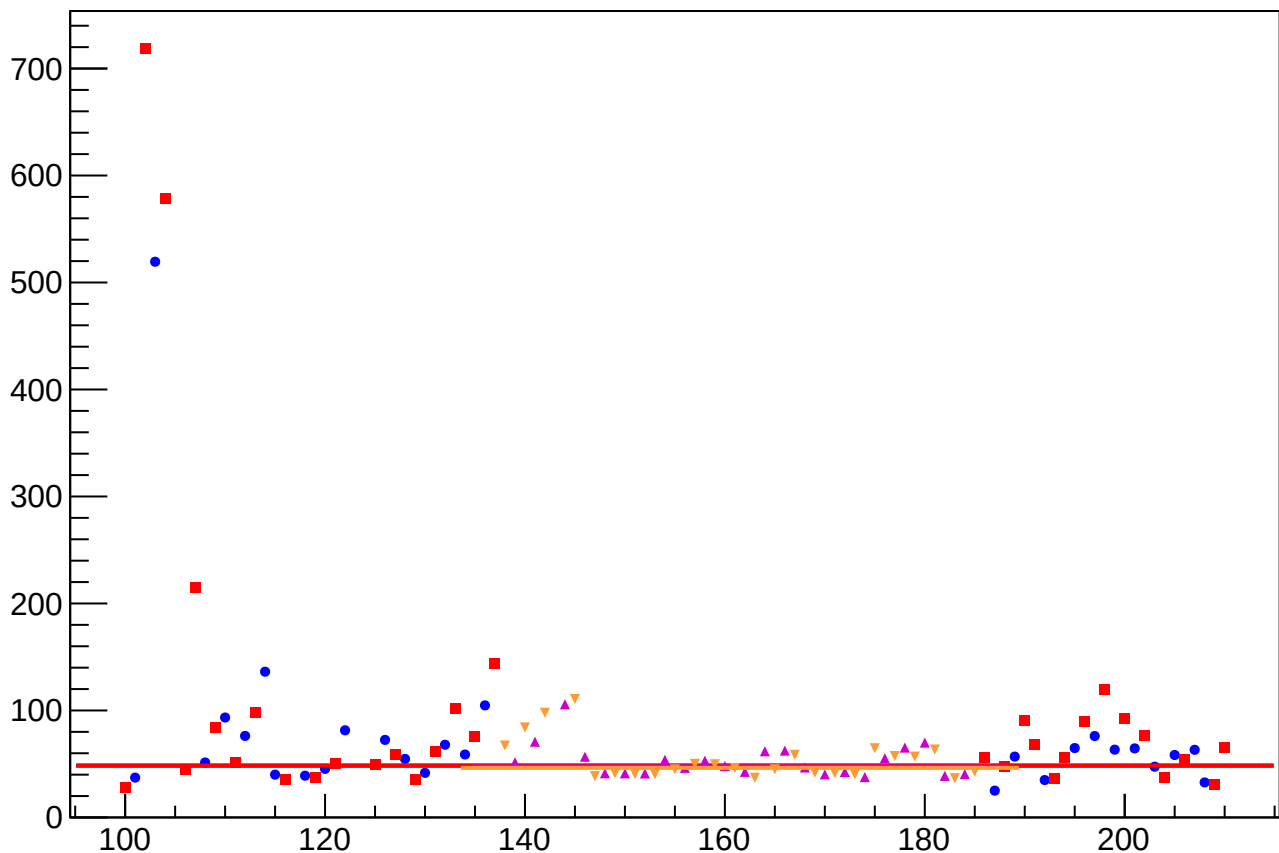
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.000 ± 0.009 χ^2/NDF : 56.6/50

All: 0.003 ± 0.007 χ^2/NDF : 97.8/105

- sign 0.005 ± 0.009 χ^2/NDF : 41.0/54

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 48.446 $\pm$ 0.010 χ^2 /NDF: 3596571.5/26

Left Out: 46.354 $\pm$ 0.008 χ^2 /NDF: 1967741.3/23

Right Out: 48.524 $\pm$ 0.010 χ^2 /NDF: 5353527.9/31

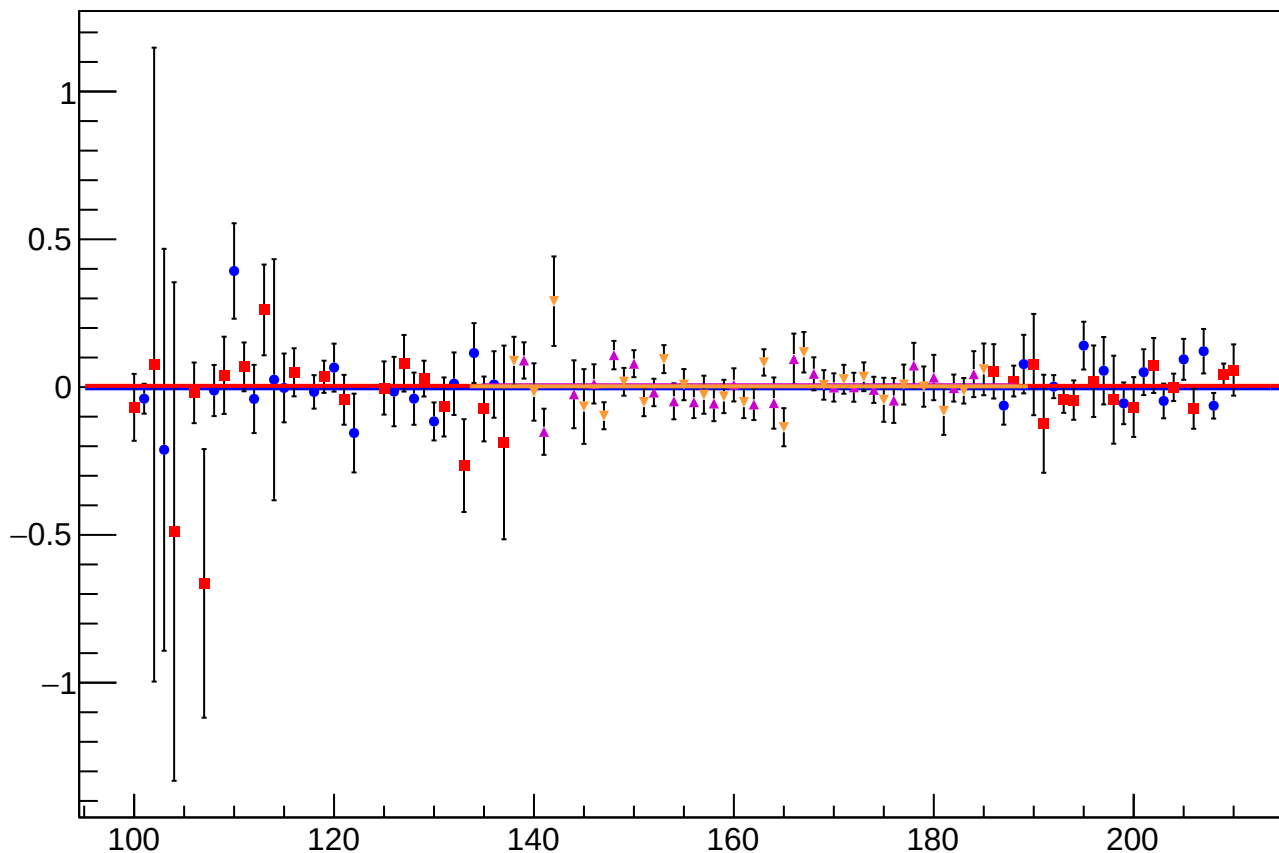
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF: 1576204.5/22

+ sign 47.195 $\pm$ 0.007 χ^2 /NDF: 5589213.0/50

All: 47.586 $\pm$ 0.005 χ^2 /NDF: 12531346.5/105

- sign 47.977 $\pm$ 0.007 χ^2 /NDF: 6934919.4/54

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.014 χ^2/NDF : 26.6/26

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.004 ± 0.014 χ^2/NDF : 19.4/31

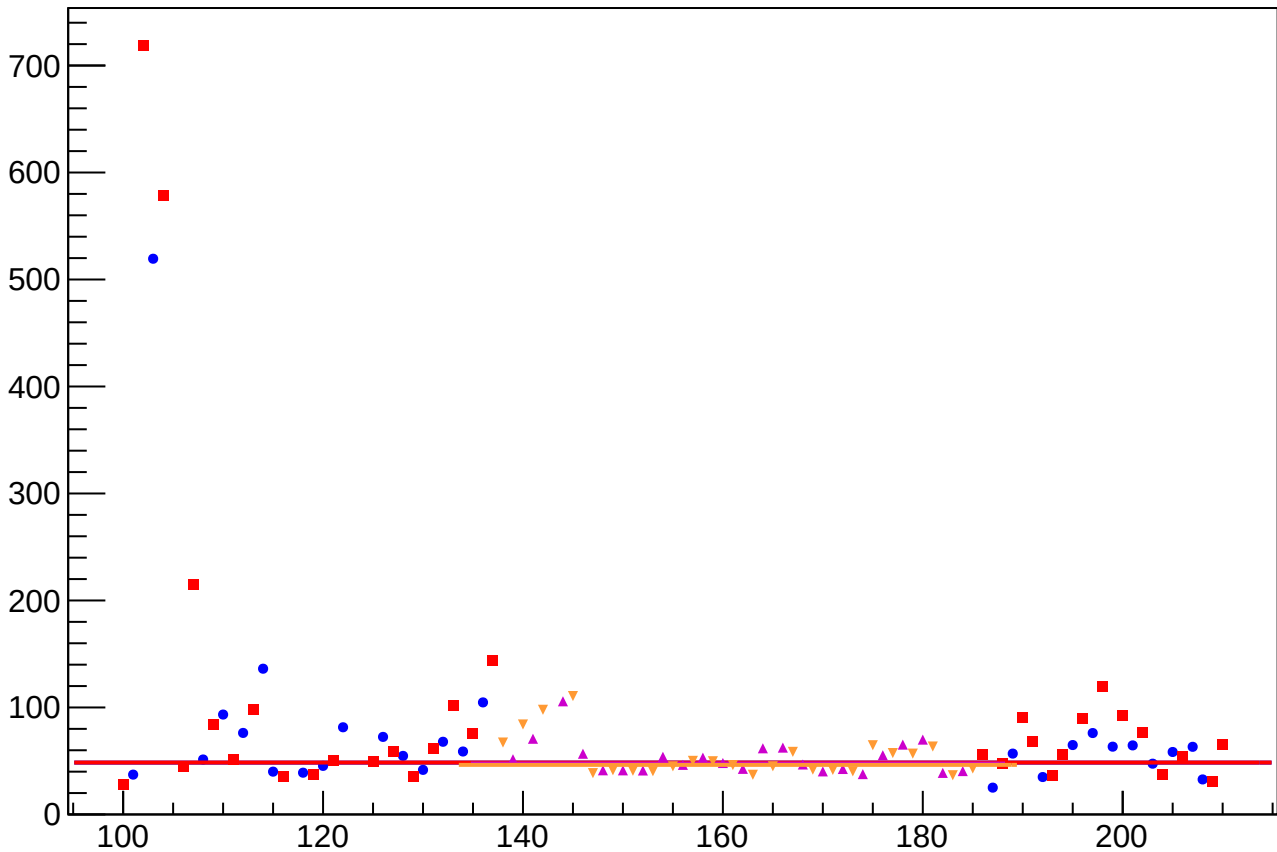
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.000 ± 0.009 χ^2/NDF : 56.6/50

All: 0.003 ± 0.007 χ^2/NDF : 97.8/105

- sign 0.005 ± 0.009 χ^2/NDF : 41.0/54

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 48.446 $\pm$ 0.010 χ^2 /NDF: 3596571.5/26

Left Out: 46.354 $\pm$ 0.008 χ^2 /NDF: 1967741.3/23

Right Out: 48.524 $\pm$ 0.010 χ^2 /NDF: 5353527.9/31

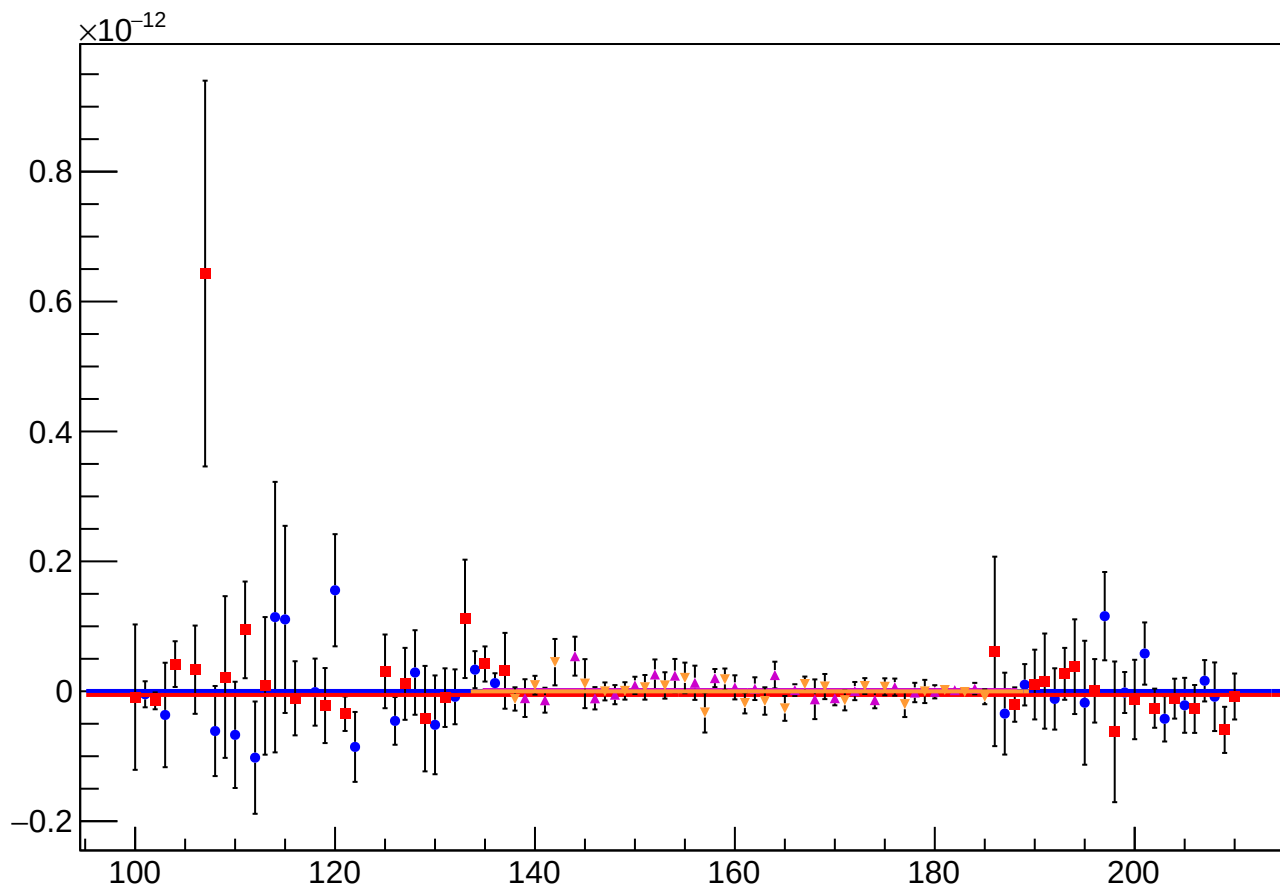
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF: 1576204.5/22

+ sign 47.195 $\pm$ 0.007 χ^2 /NDF: 5589213.0/50

All: 47.586 $\pm$ 0.005 χ^2 /NDF: 12531346.5/105

- sign 47.977 $\pm$ 0.007 χ^2 /NDF: 6934919.4/54

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF : 13.9/23

Right Out: -0.000+/-0.000 χ^2/NDF : 21.6/31

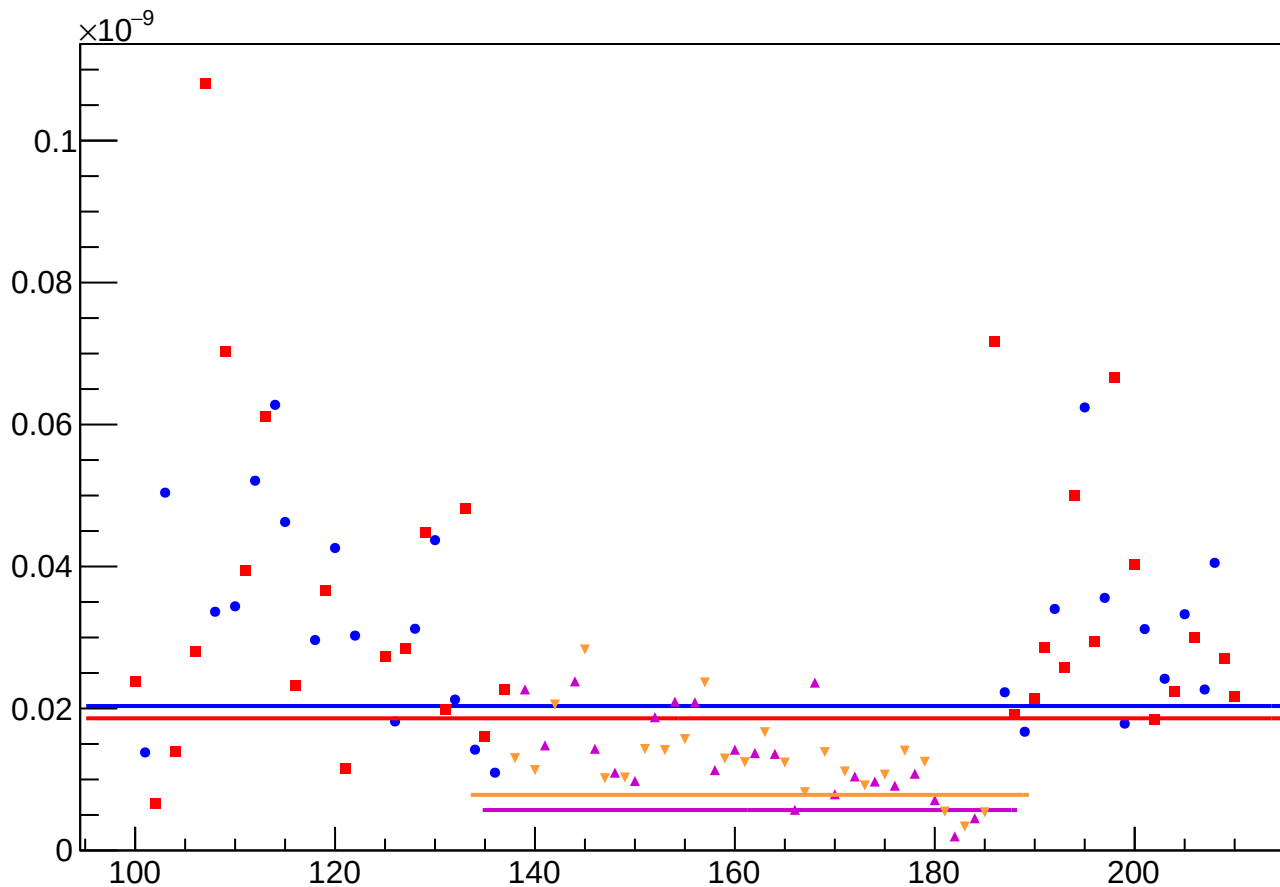
Left In: 0.000+/-0.000 χ^2/NDF : 13.4/22

+ sign -0.000+/-0.000 χ^2/NDF : 34.8/50

All: 0.000+/-0.000 χ^2/NDF : 71.0/105

- sign 0.000+/-0.000 χ^2/NDF : 36.0/54

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3731675.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6422392.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5528609.6/31

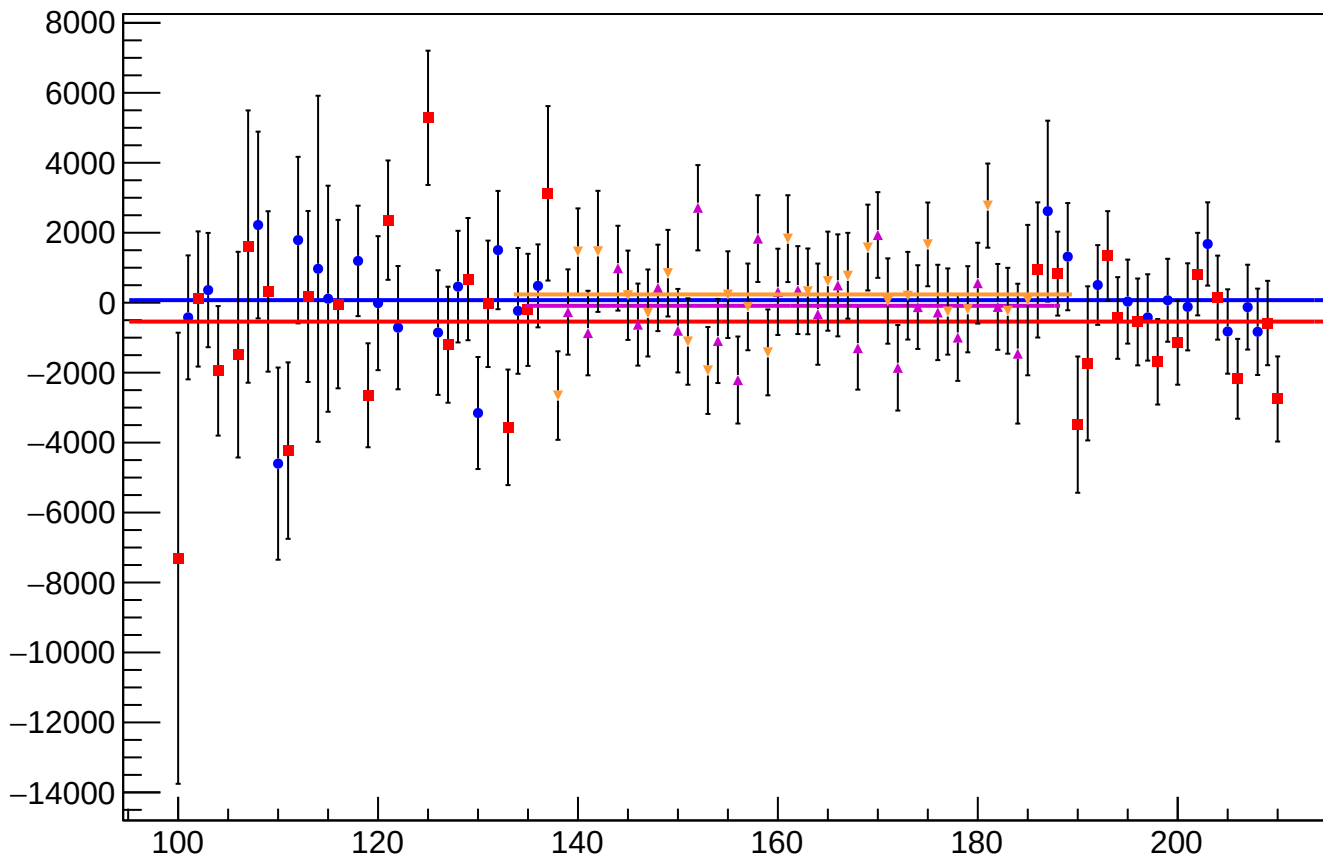
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 11199324.6/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 15075588.9/50

All: 0.000 $\pm$ 0.000 χ^2/NDF : 39168991.6/105

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 23011793.2/54

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 72.656 ± 294.616 χ^2/NDF : 15.1/26

Left Out: 236.601 ± 259.669 χ^2/NDF : 22.7/23

Right Out: -540.238 ± 279.931 χ^2/NDF : 39.8/31

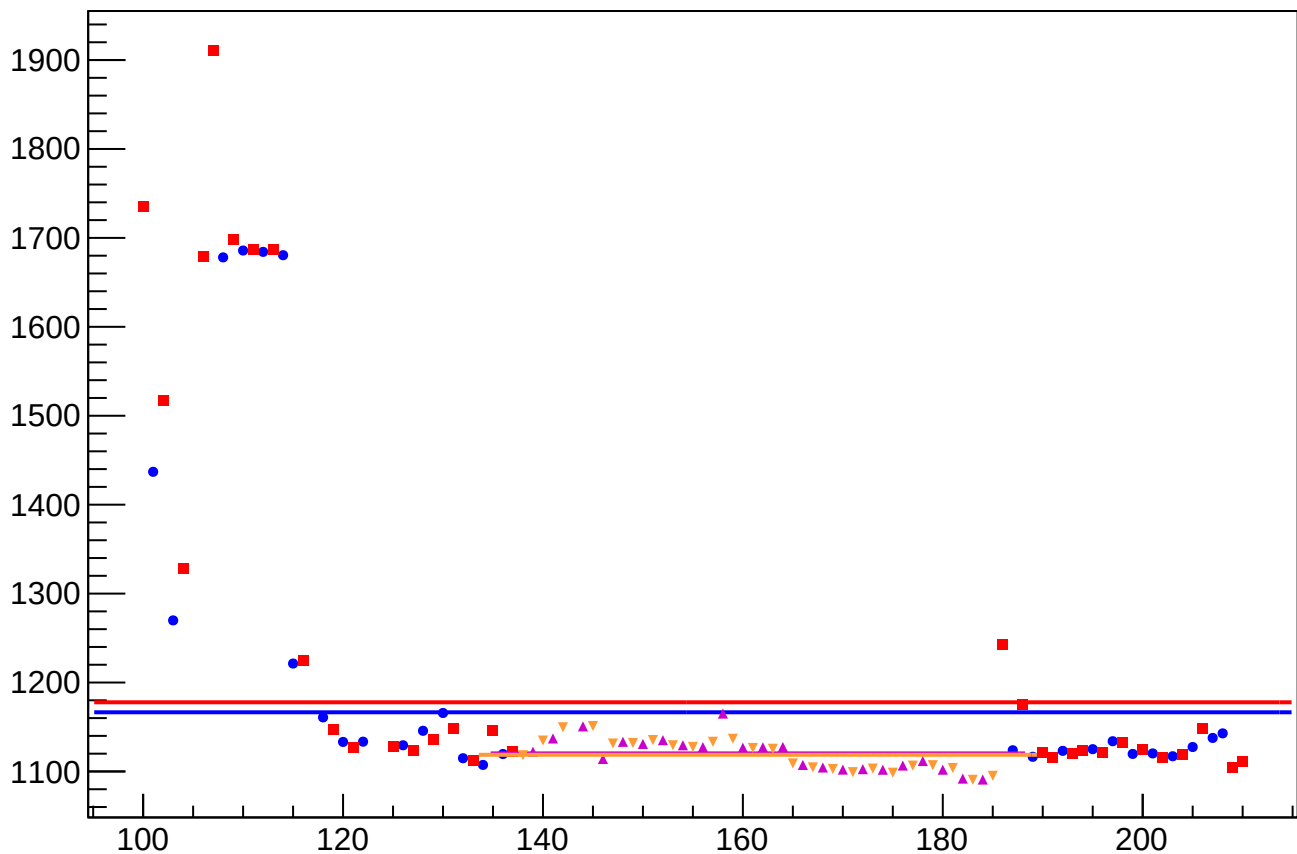
Left In: -88.380 ± 261.602 χ^2/NDF : 20.9/22

+ sign 164.924 ± 194.803 χ^2/NDF : 38.0/50

All: -71.468 ± 136.430 χ^2/NDF : 102.9/105

- sign -299.033 ± 191.132 χ^2/NDF : 62.0/54

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1166.531 $\pm$ 0.208 χ^2 /NDF: 348596.8/26

Left Out: 1118.733 $\pm$ 0.184 χ^2 /NDF: 8205.0/23

Right Out: 1177.769 $\pm$ 0.198 χ^2 /NDF: 552937.8/31

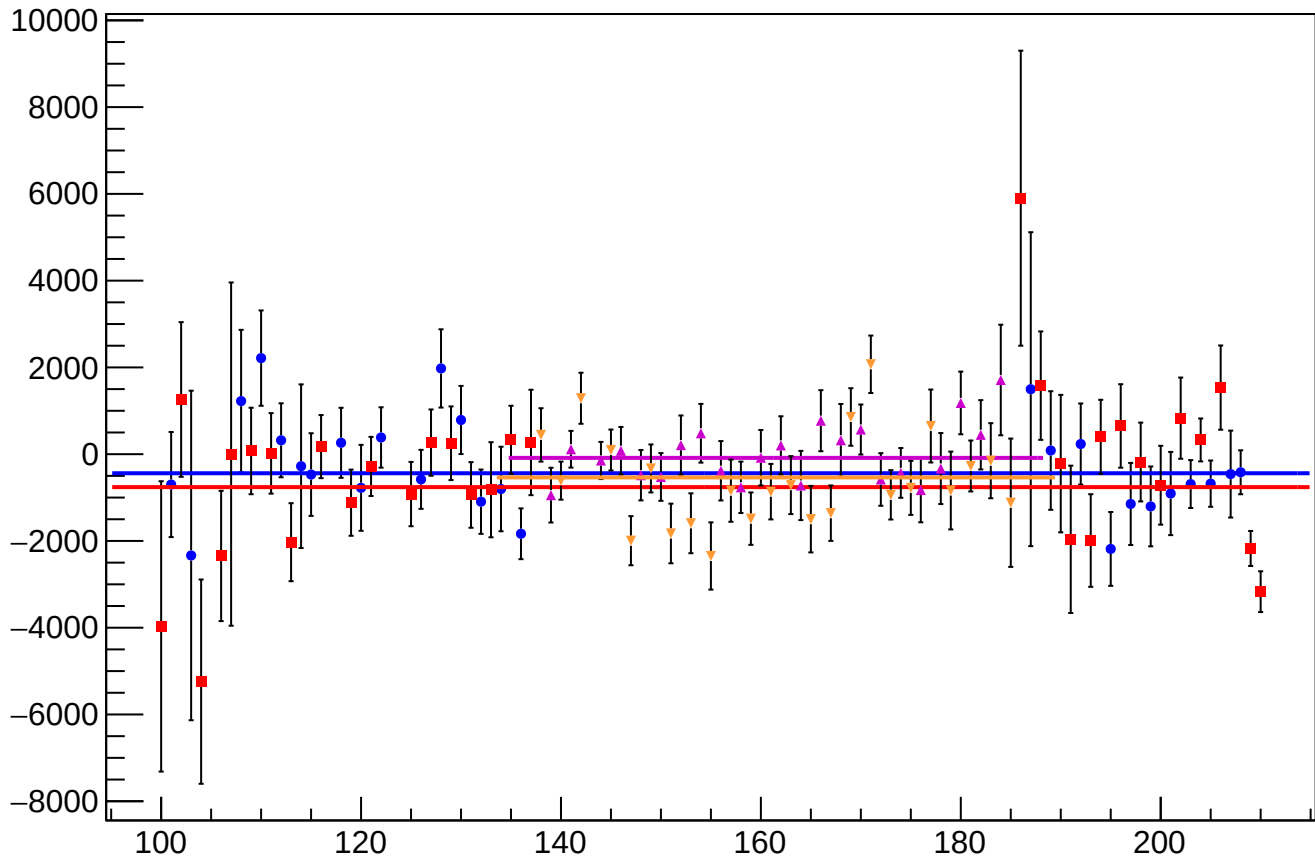
Left In: 1120.308 $\pm$ 0.185 χ^2 /NDF: 9479.7/22

+ sign 1139.630 $\pm$ 0.138 χ^2 /NDF: 386428.2/50

All: 1143.434 $\pm$ 0.096 χ^2 /NDF: 995326.1/105

- sign 1147.096 $\pm$ 0.135 χ^2 /NDF: 607401.1/54

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -439.390+/-161.483 χ^2 /NDF: 33.6/26

Left Out: -535.899+/-130.646 χ^2 /NDF: 61.6/23

Right Out: -759.564+/-150.334 χ^2 /NDF: 84.3/31

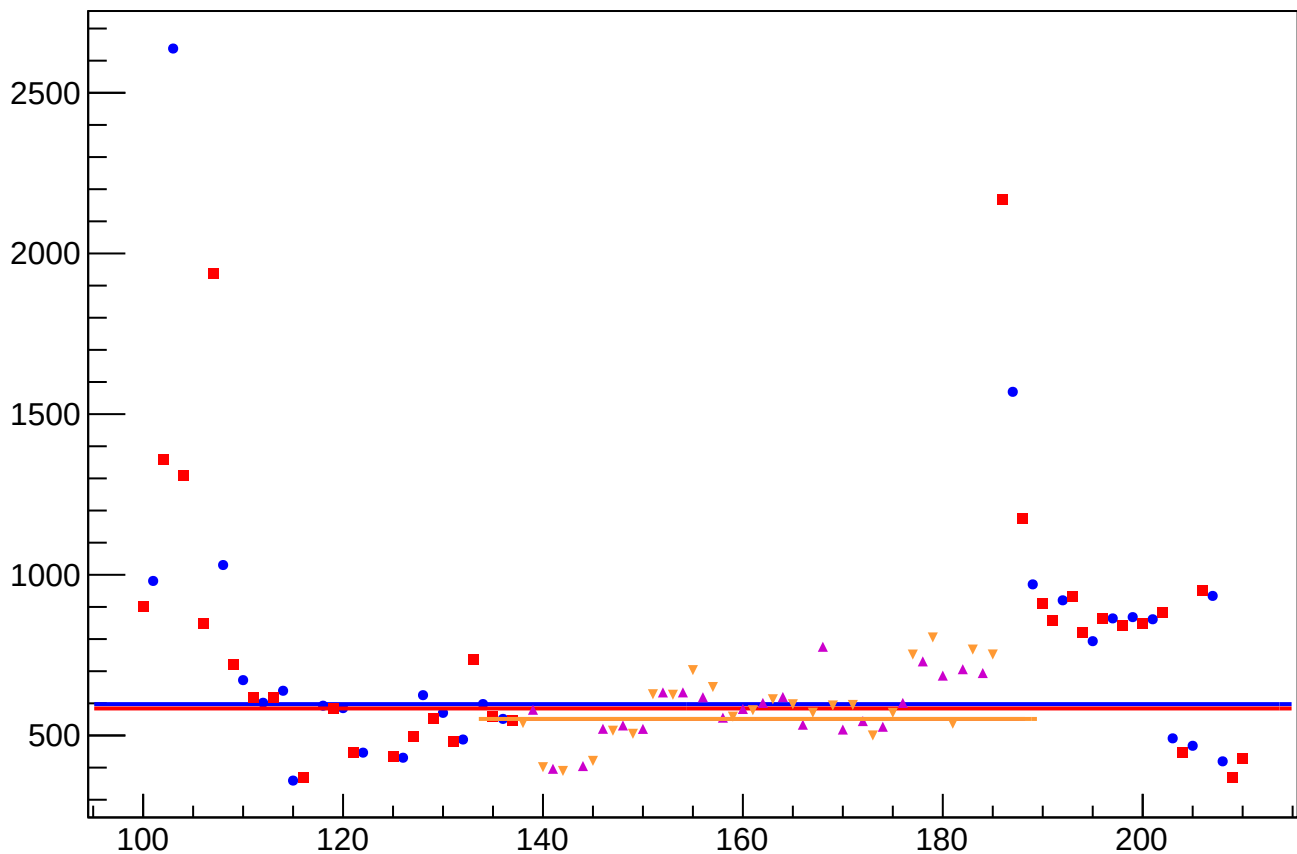
Left In: -85.254+/-130.966 χ^2 /NDF: 17.1/22

+ sign -497.720+/-101.568 χ^2 /NDF: 95.3/50

All: -435.250+/-70.802 χ^2 /NDF: 208.9/105

- sign -376.200+/-98.749 χ^2 /NDF: 112.8/54

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 597.538 $\pm$ 0.114 χ^2 /NDF: 3114920.2/26

Left Out: 551.440 $\pm$ 0.092 χ^2 /NDF:1226616.4/23

Right Out: 584.061 $\pm$ 0.106 χ^2 /NDF: 4689362.4/31

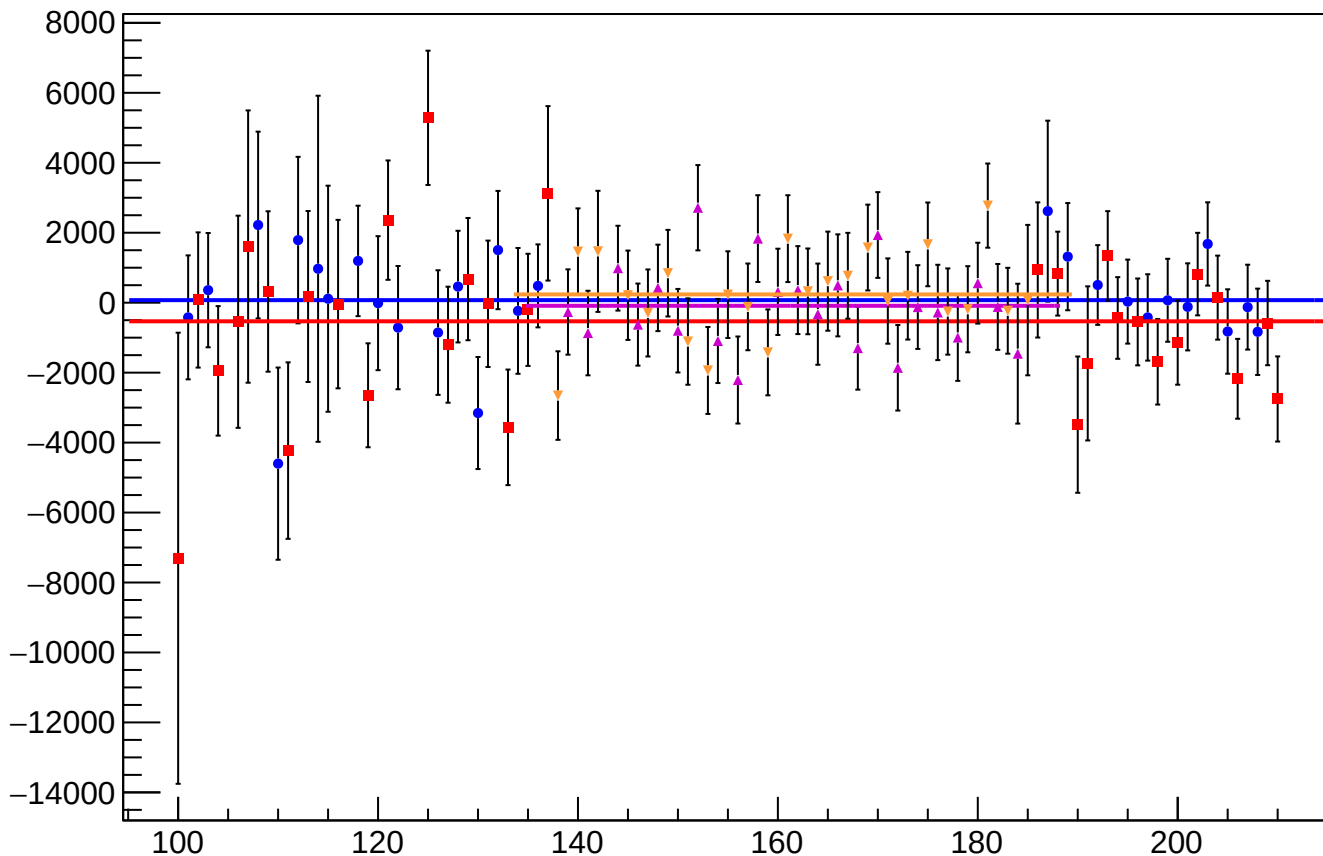
Left In: 551.336 $\pm$ 0.093 χ^2 /NDF:1061764.2/22

+ sign 569.677 $\pm$ 0.072 χ^2 /NDF: 4440043.3/50

All: 567.507 $\pm$ 0.050 χ^2 /NDF: 10246824.3/10

- sign 565.456 $\pm$ 0.070 χ^2 /NDF: 5805005.7/54

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 72.501 $\pm$ 294.616 χ^2 /NDF: 15.1/26

Left Out: 236.642 $\pm$ 259.669 χ^2 /NDF: 22.7/23

Right Out: -532.329 $\pm$ 280.007 χ^2 /NDF: 39.7/31

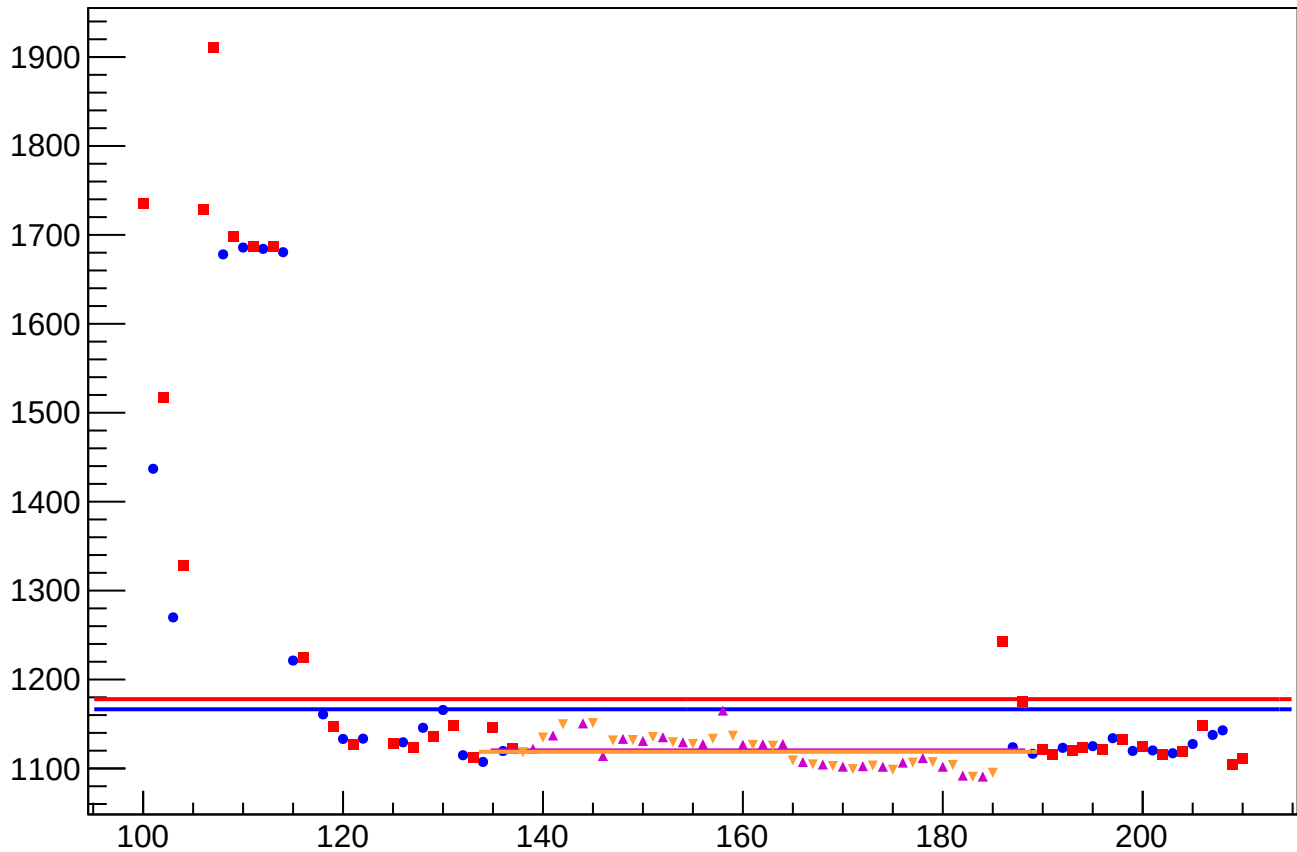
Left In: -88.370 $\pm$ 261.602 χ^2 /NDF: 20.9/22

+ sign 164.880 $\pm$ 194.804 χ^2 /NDF: 38.0/50

All: -69.548 $\pm$ 136.439 χ^2 /NDF: 102.7/105

- sign -295.280 $\pm$ 191.156 χ^2 /NDF: 61.9/54

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1166.531 $\pm$ 0.208 χ^2 /NDF: 348596.9/26

Left Out: 1118.733 $\pm$ 0.184 χ^2 /NDF: 8205.0/23

Right Out: 1177.923 $\pm$ 0.198 χ^2 /NDF: 560885.7/31

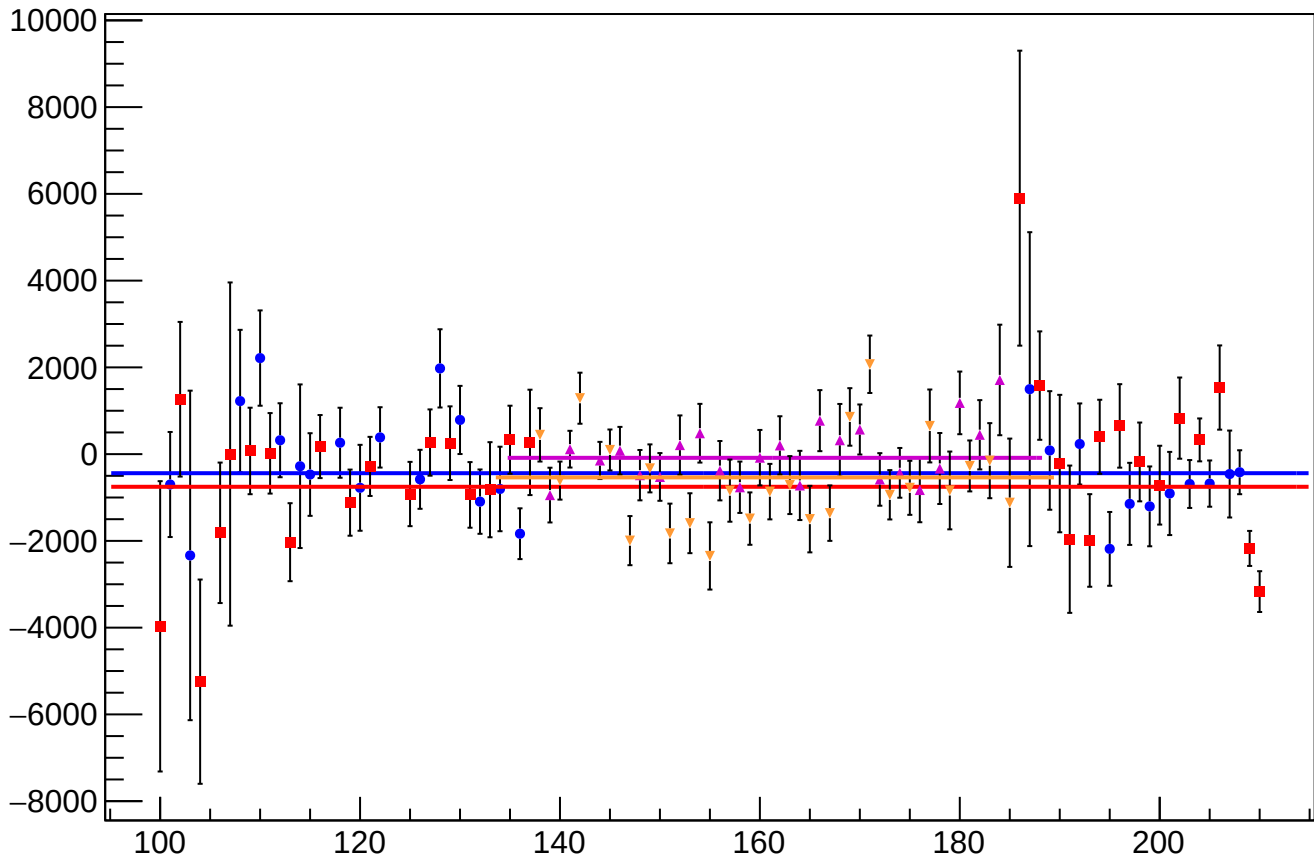
Left In: 1120.308 $\pm$ 0.185 χ^2 /NDF: 9479.7/22

+ sign 1139.630 $\pm$ 0.138 χ^2 /NDF: 386428.3/50

All: 1143.466 $\pm$ 0.096 χ^2 /NDF: 1003527.1/10

- sign 1147.160 $\pm$ 0.135 χ^2 /NDF: 615576.6/54

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -439.368 ± 161.482 χ^2/NDF : 33.6/26

Left Out: -535.930 ± 130.646 χ^2/NDF : 61.6/23

Right Out: -752.738 ± 150.438 χ^2/NDF : 83.6/31

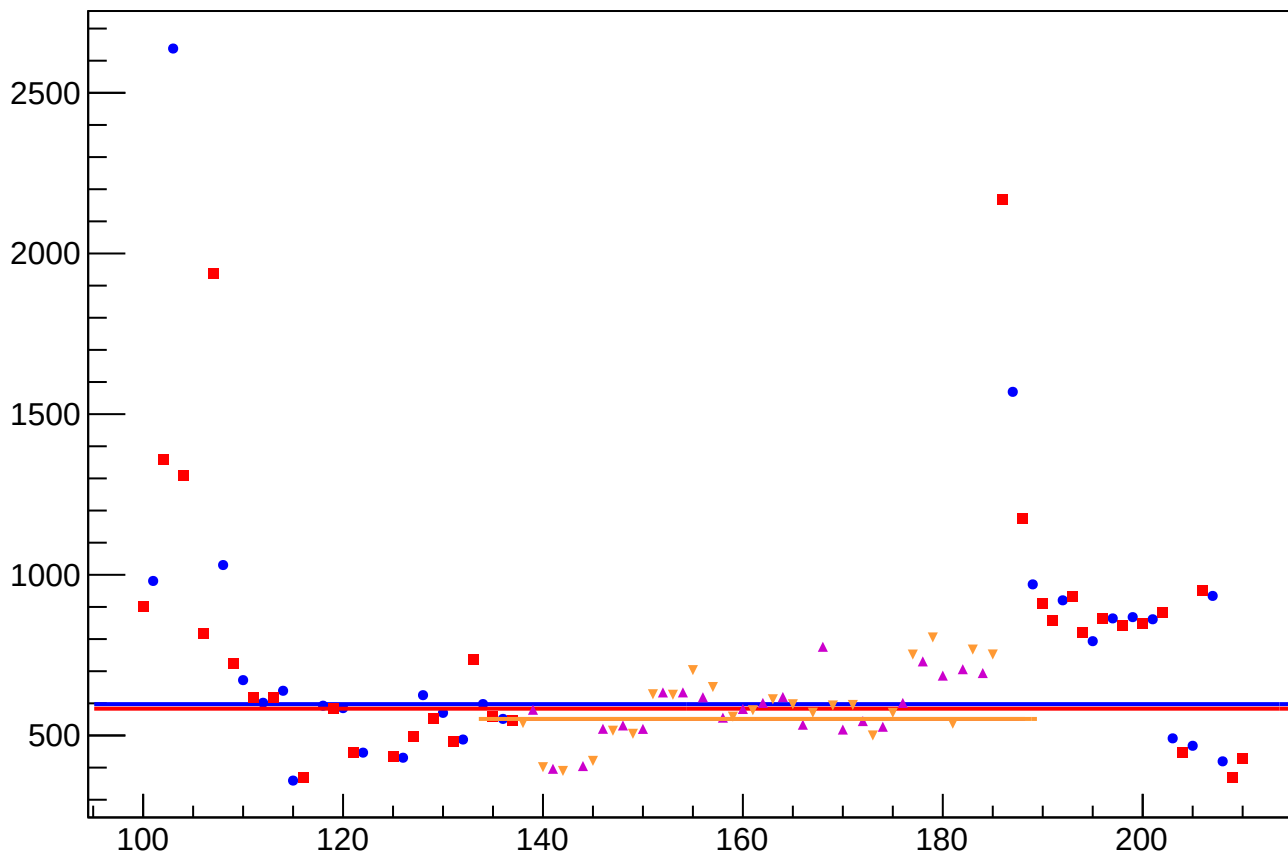
Left In: -85.243 ± 130.966 χ^2/NDF : 17.1/22

+ sign -497.729 ± 101.568 χ^2/NDF : 95.3/50

All: -433.639 ± 70.813 χ^2/NDF : 208.0/105

- sign -373.021 ± 98.779 χ^2/NDF : 111.9/54

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 597.535+/-0.114 χ^2/NDF : 3114911.6/26

Left Out: 551.439+/-0.092 χ^2/NDF :1226632.2/23

Right Out: 583.415+/-0.106 χ^2/NDF : 4669352.7/31

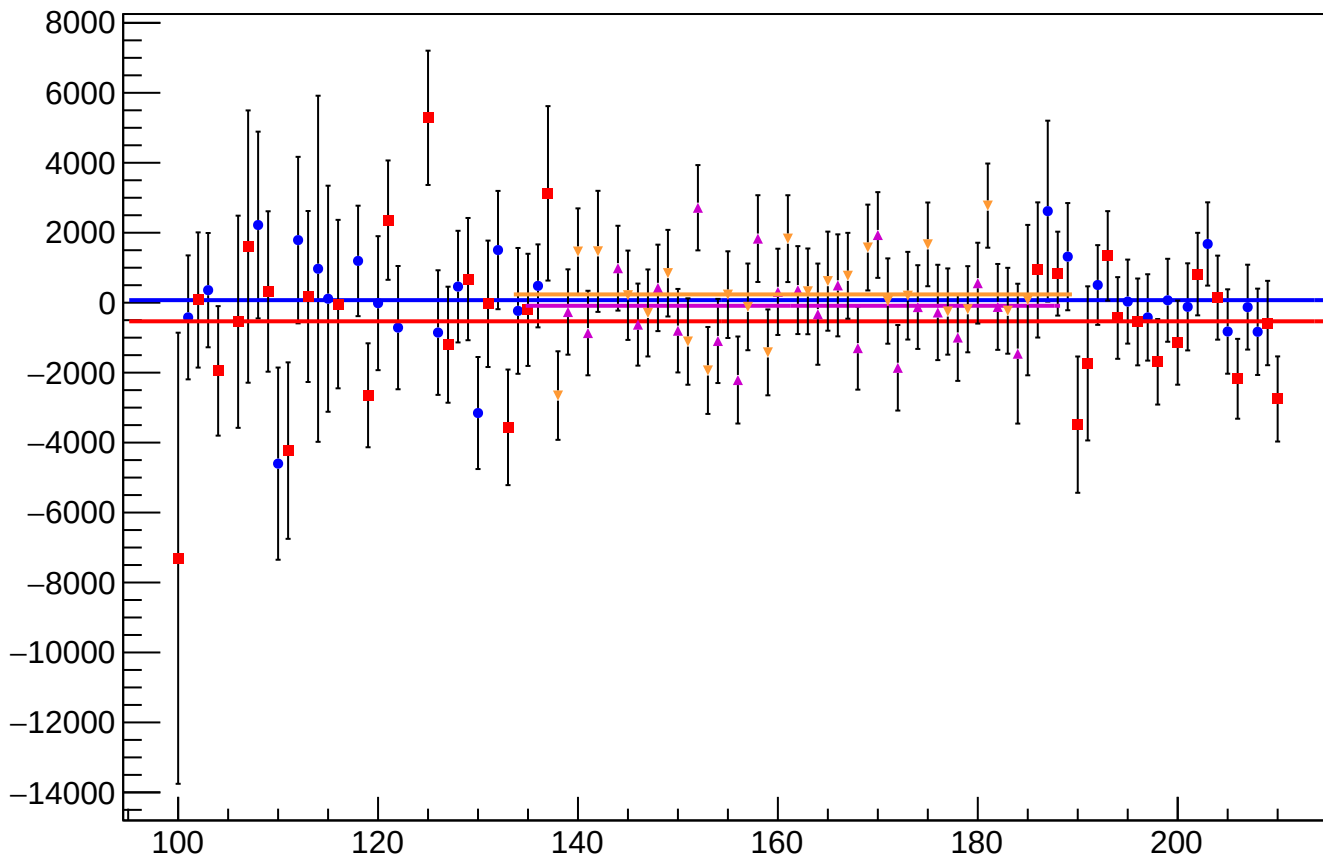
Left In: 551.335+/-0.093 χ^2/NDF :1061731.9/22

+ sign 569.675+/-0.072 χ^2/NDF : 4440041.9/50

All: 567.358+/-0.050 χ^2/NDF : 10224888.0/10

- sign 565.166+/-0.070 χ^2/NDF : 5782820.2/54

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 72.501 ± 294.616 χ^2/NDF : 15.1/26

Left Out: 236.642 ± 259.669 χ^2/NDF : 22.7/23

Right Out: -532.329 ± 280.007 χ^2/NDF : 39.7/31

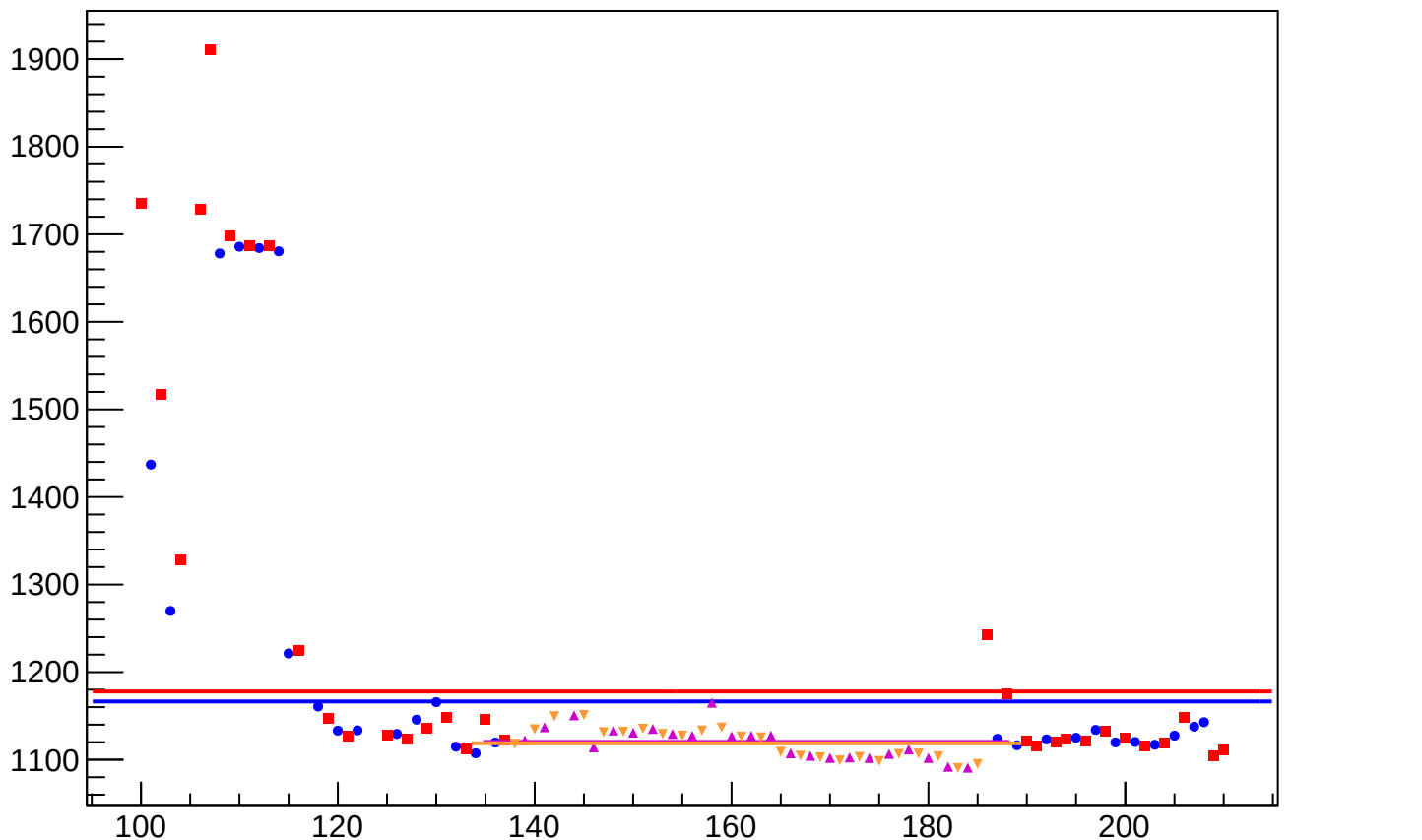
Left In: -88.370 ± 261.602 χ^2/NDF : 20.9/22

+ sign 164.880 ± 194.804 χ^2/NDF : 38.0/50

All: -69.548 ± 136.439 χ^2/NDF : 102.7/105

- sign -295.280 ± 191.156 χ^2/NDF : 61.9/54

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1166.531 $\pm$ 0.208 χ^2 /NDF: 348596.9/26

Left Out: 1118.733 $\pm$ 0.184 χ^2 /NDF: 8205.0/23

Right Out: 1177.923 $\pm$ 0.198 χ^2 /NDF: 560885.7/31

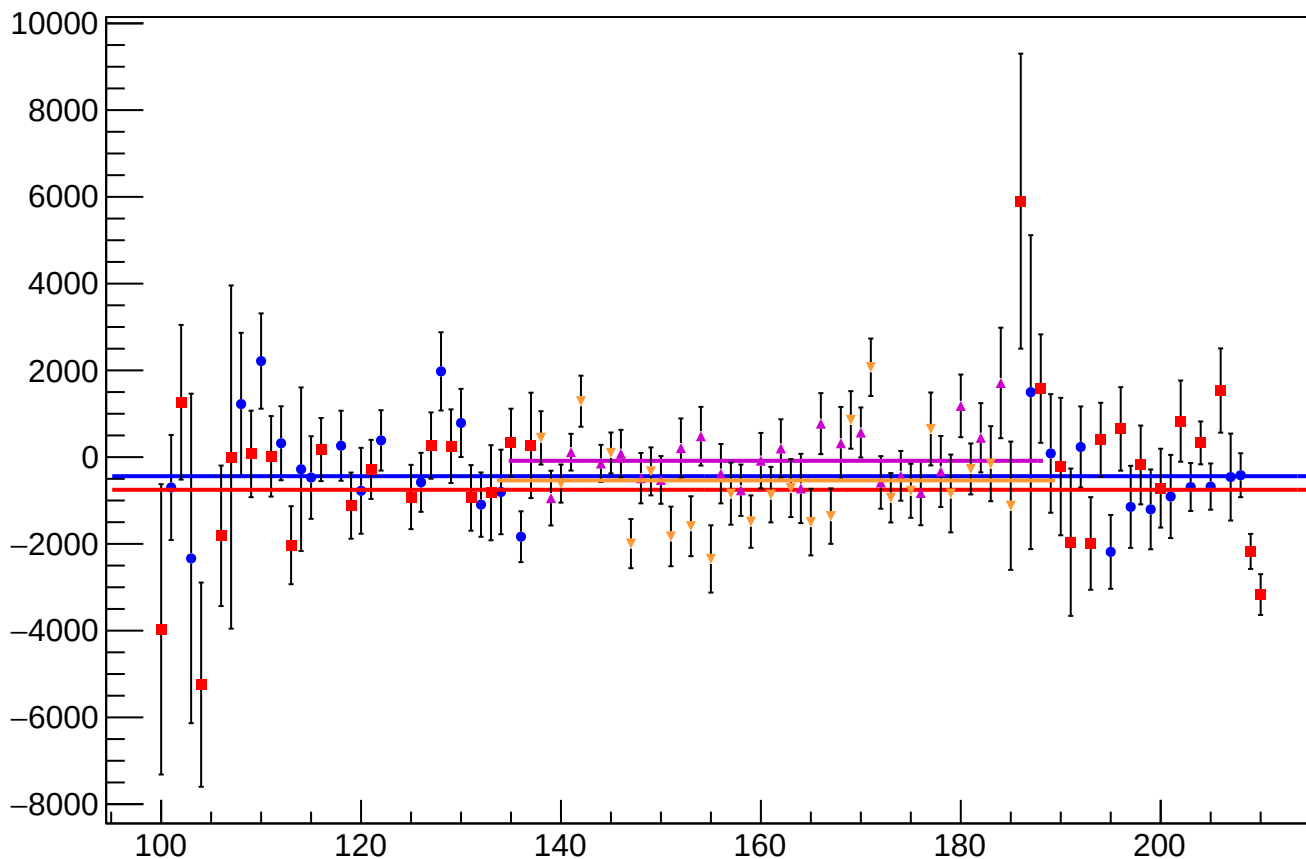
Left In: 1120.308 $\pm$ 0.185 χ^2 /NDF: 9479.7/22

+ sign 1139.630 $\pm$ 0.138 χ^2 /NDF: 386428.3/50

All: 1143.466 $\pm$ 0.096 χ^2 /NDF: 1003527.1/10

- sign 1147.160 $\pm$ 0.135 χ^2 /NDF: 615576.6/54

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug



Right In: -439.368+/-161.482 χ^2/NDF : 33.6/26

Left Out: -535.930+/-130.646 χ^2/NDF : 61.6/23

Right Out: -752.738+/-150.438 χ^2/NDF : 83.6/31

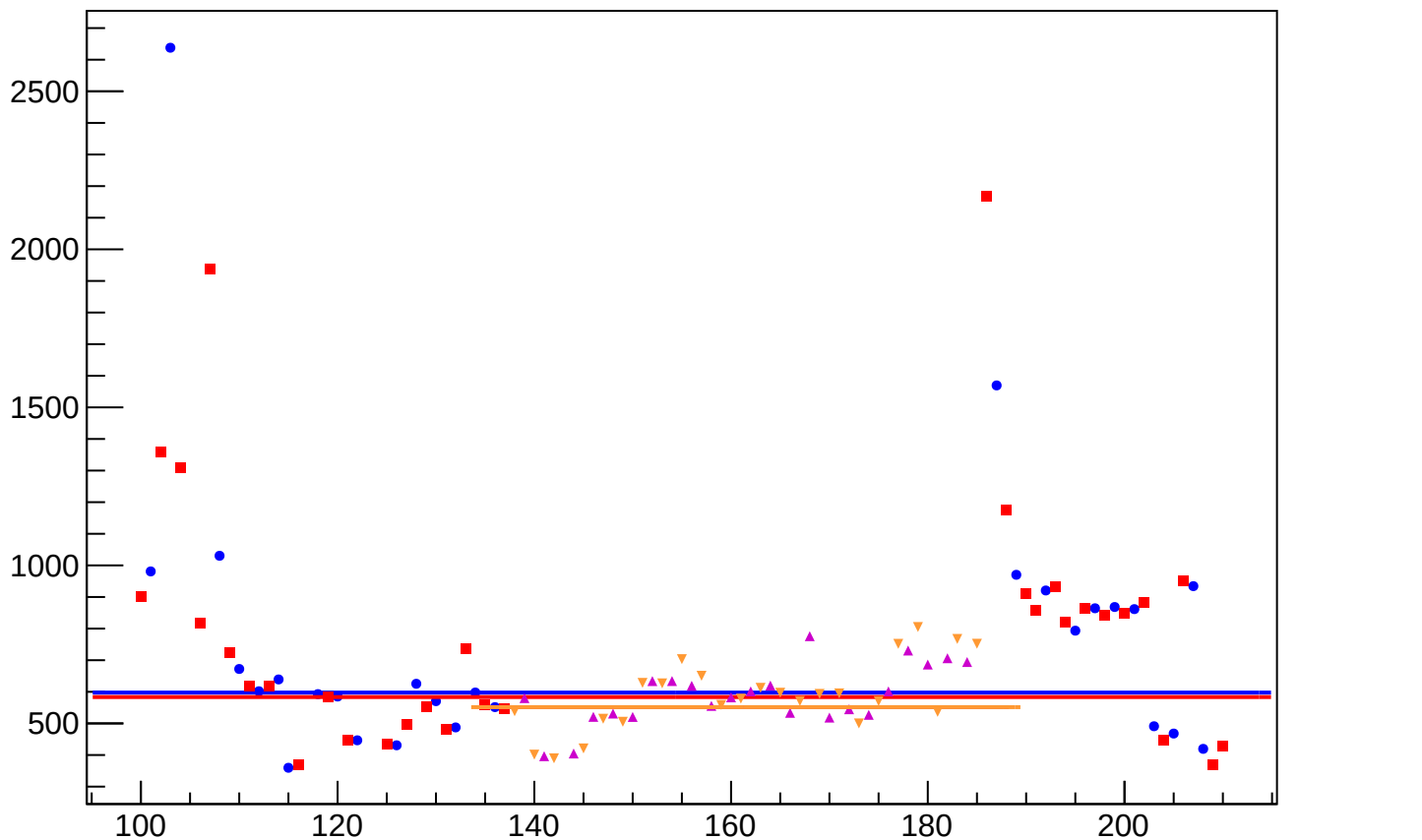
Left In: -85.243+/-130.966 χ^2/NDF : 17.1/22

+ sign -497.729+/-101.568 χ^2/NDF : 95.3/50

All: -433.639+/-70.813 χ^2/NDF : 208.0/105

- sign -373.021+/-98.779 χ^2/NDF : 111.9/54

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 597.535+/-0.114 χ^2/NDF : 3114911.6/26

Left Out: 551.439+/-0.092 χ^2/NDF :1226632.2/23

Right Out: 583.415+/-0.106 χ^2/NDF : 4669352.7/31

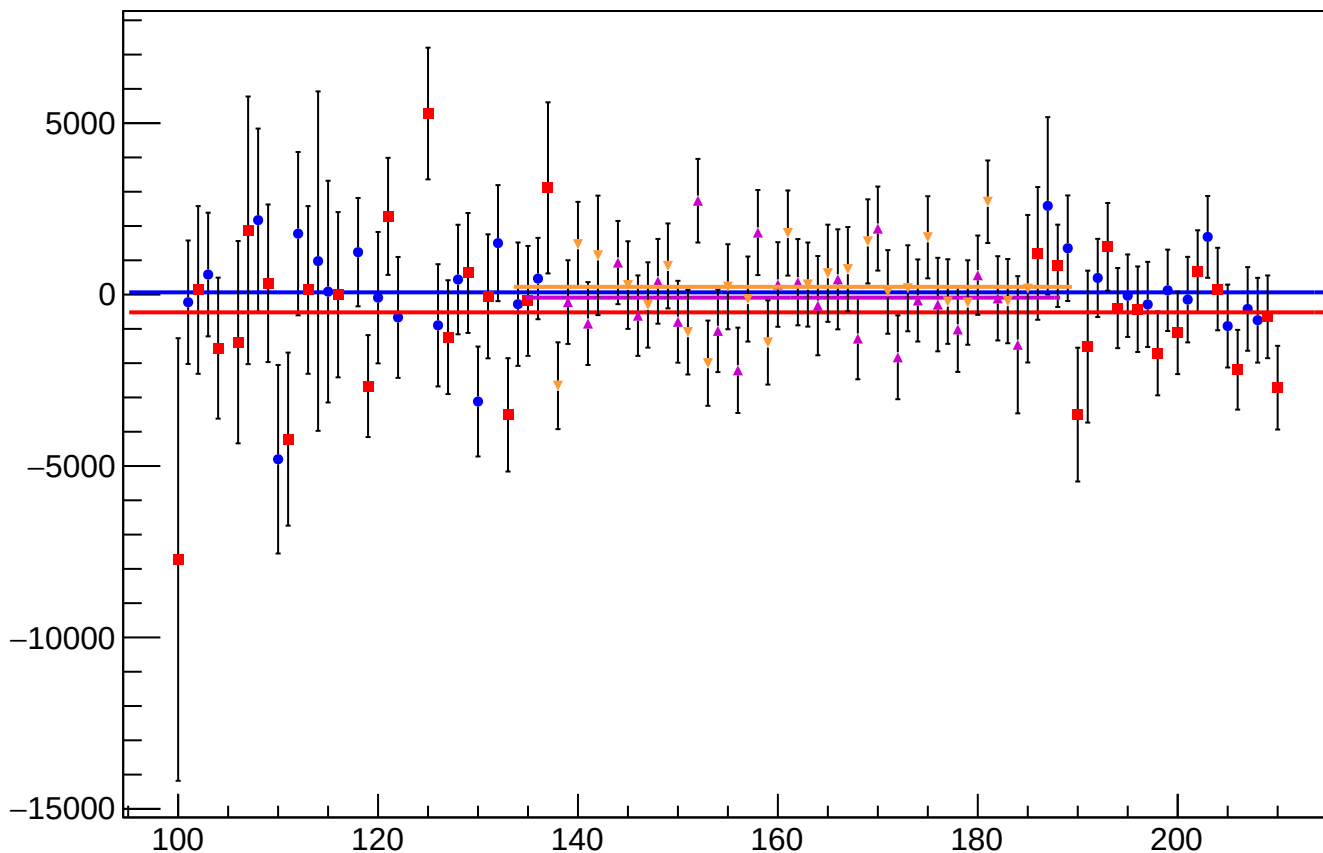
Left In: 551.335+/-0.093 χ^2/NDF :1061731.9/22

+ sign 569.675+/-0.072 χ^2/NDF : 4440041.9/50

All: 567.358+/-0.050 χ^2/NDF : 10224888.0/10

- sign 565.166+/-0.070 χ^2/NDF : 5782820.2/54

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 65.392 ± 296.100 χ^2/NDF : 15.3/26

Left Out: 225.663 ± 259.829 χ^2/NDF : 22.2/23

Right Out: -518.363 ± 282.455 χ^2/NDF : 39.2/31

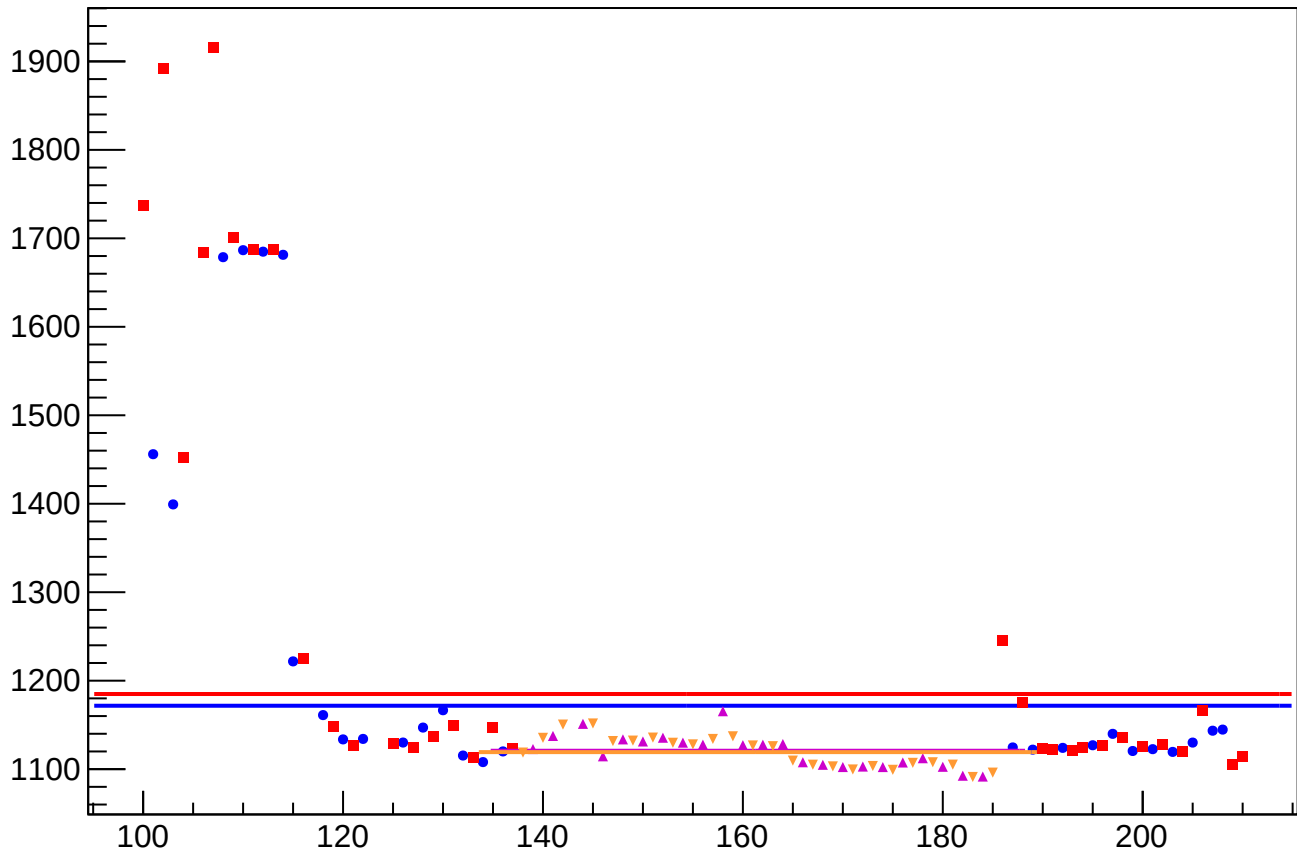
Left In: -89.078 ± 261.717 χ^2/NDF : 20.6/22

+ sign 155.940 ± 195.299 χ^2/NDF : 37.7/50

All: -69.527 ± 136.907 χ^2/NDF : 101.3/105

- sign -287.385 ± 191.975 χ^2/NDF : 61.0/54

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1171.676 $\pm$ 0.209 χ^2 /NDF: 375805.6/26

Left Out: 1119.258 $\pm$ 0.184 χ^2 /NDF: 8143.3/23

Right Out: 1184.935 $\pm$ 0.200 χ^2 /NDF: 679814.9/31

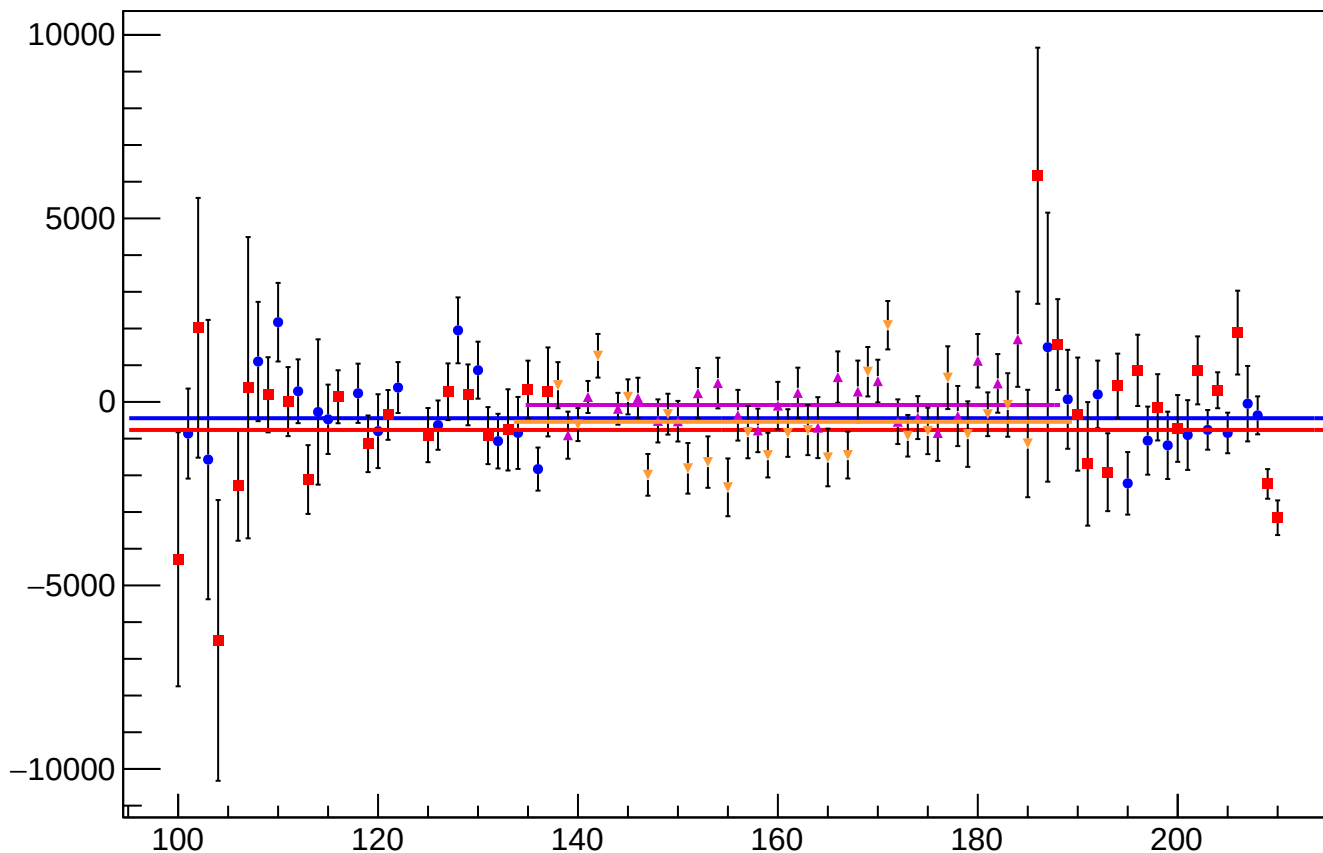
Left In: 1120.800 $\pm$ 0.185 χ^2 /NDF: 9426.5/22

+ sign 1142.061 $\pm$ 0.138 χ^2 /NDF: 419359.4/50

All: 1146.316 $\pm$ 0.097 χ^2 /NDF: 1165947.5/10

- sign 1150.427 $\pm$ 0.136 χ^2 /NDF: 744721.9/54

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -443.664 $\pm$ 161.861 χ^2 /NDF: 34.2/26

Left Out: -541.592 $\pm$ 132.012 χ^2 /NDF: 60.9/23

Right Out: -763.461 $\pm$ 151.812 χ^2 /NDF: 83.1/31

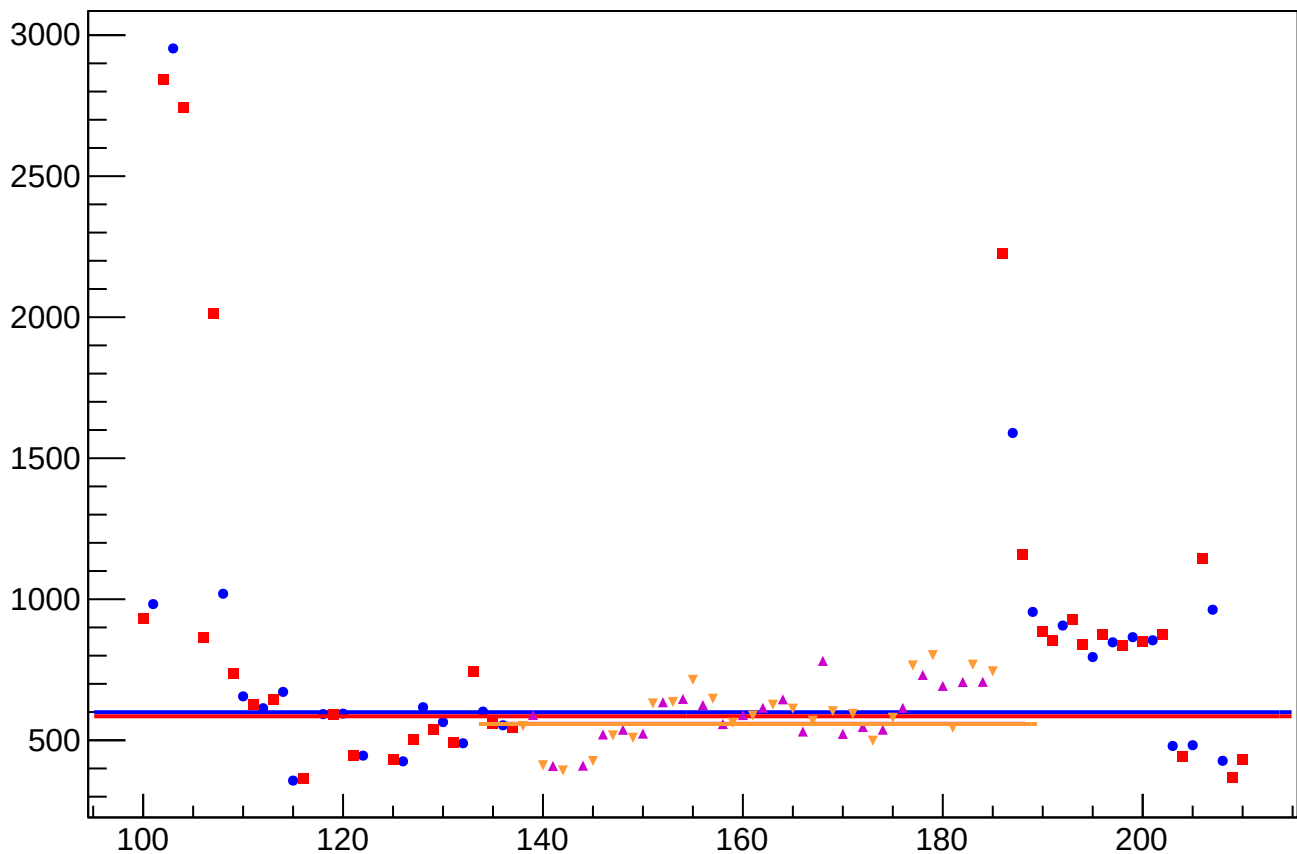
Left In: -84.122 $\pm$ 132.548 χ^2 /NDF: 16.4/22

+ sign -502.473 $\pm$ 102.301 χ^2 /NDF: 95.3/50

All: -438.715 $\pm$ 71.454 χ^2 /NDF: 206.9/105

- sign -377.980 $\pm$ 99.846 χ^2 /NDF: 110.9/54

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 599.420 $\pm$ 0.114 χ^2 /NDF: 3256557.9/26

Left Out: 557.592 $\pm$ 0.093 χ^2 /NDF:1193270.2/23

Right Out: 584.956 $\pm$ 0.107 χ^2 /NDF: 5805873.1/31

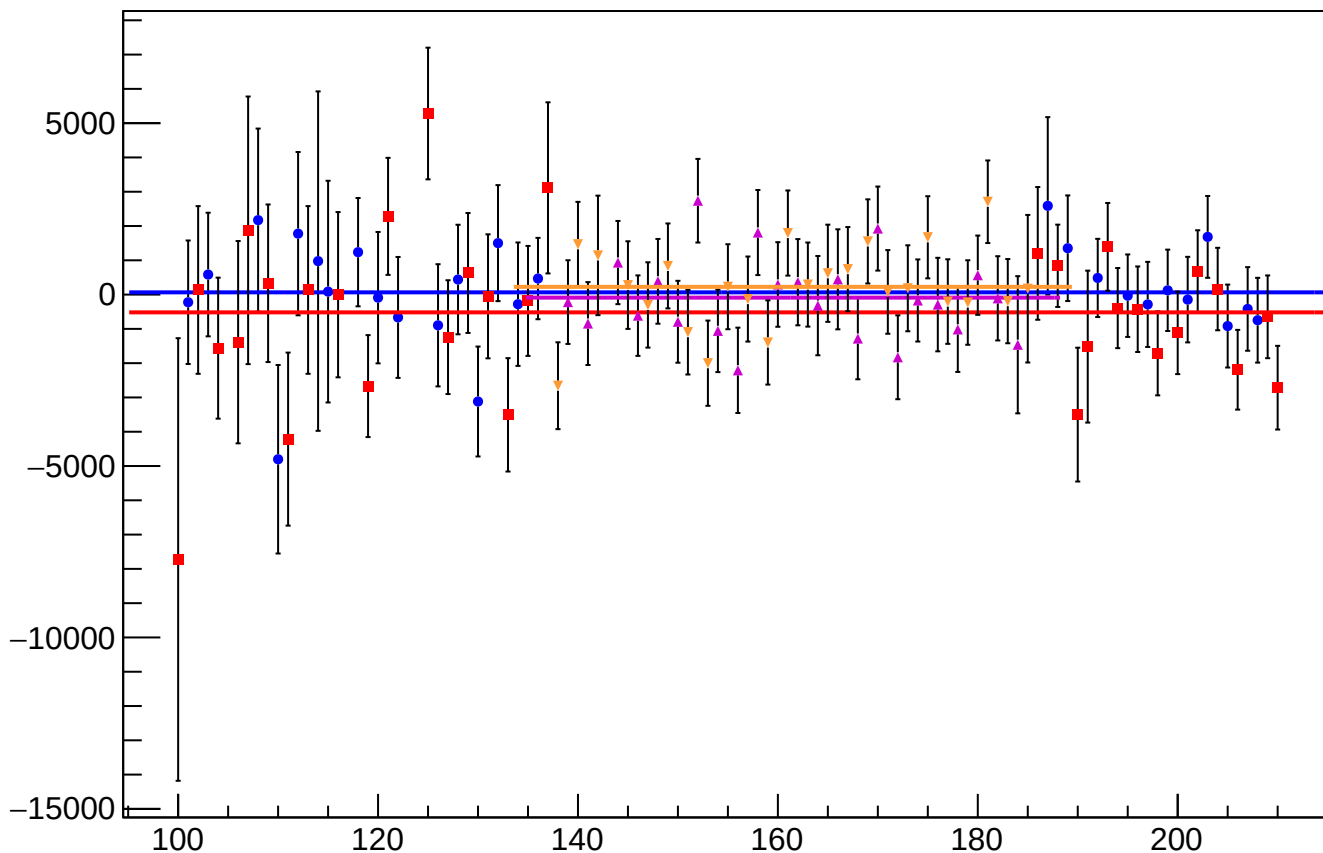
Left In: 558.393 $\pm$ 0.094 χ^2 /NDF:1027814.4/22

+ sign 574.301 $\pm$ 0.072 χ^2 /NDF: 4530038.6/50

All: 572.038 $\pm$ 0.051 χ^2 /NDF: 11400381.1/10

- sign 569.883 $\pm$ 0.071 χ^2 /NDF: 6868432.5/54

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 65.394 ± 296.100 χ^2/NDF : 15.3/26

Left Out: 225.661 ± 259.829 χ^2/NDF : 22.2/23

Right Out: -518.362 ± 282.455 χ^2/NDF : 39.2/31

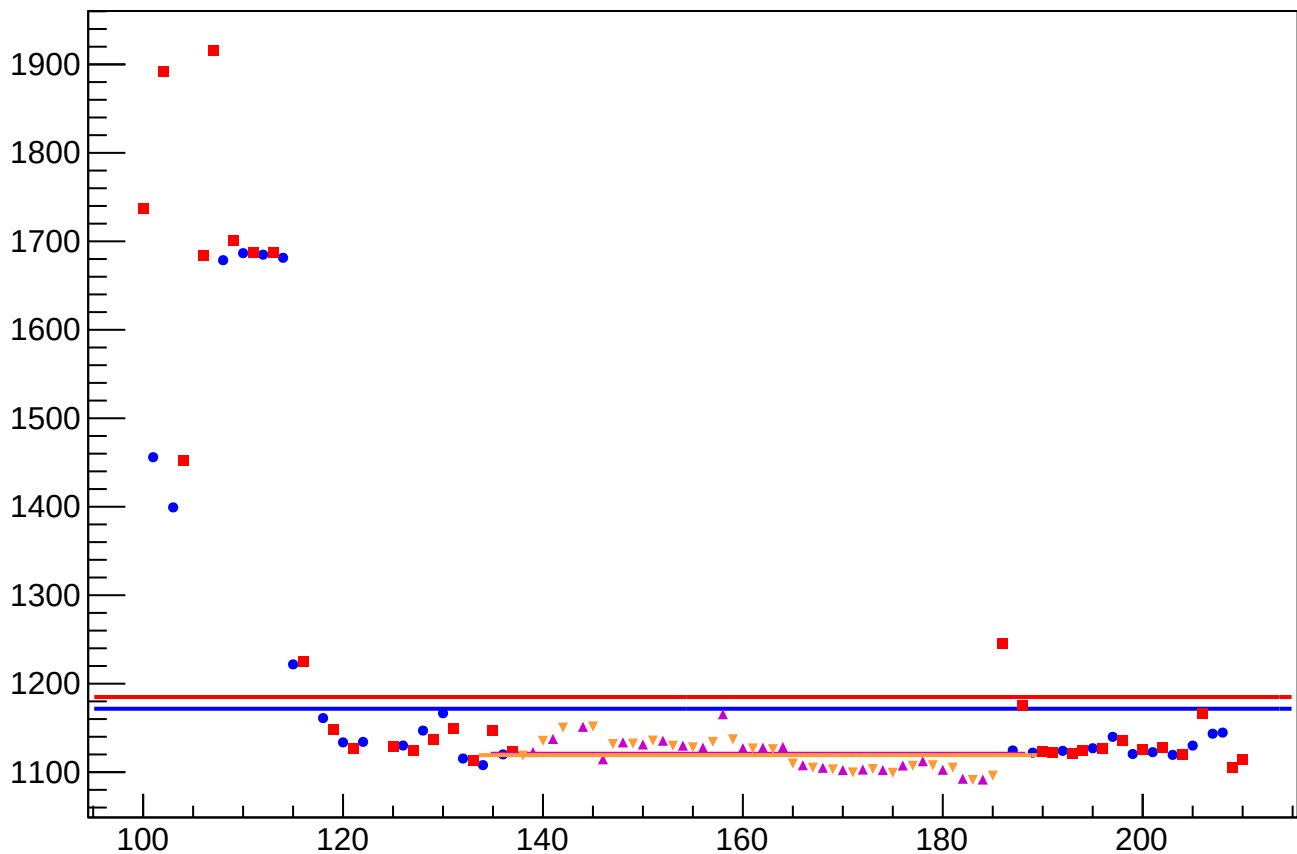
Left In: -89.079 ± 261.717 χ^2/NDF : 20.6/22

+ sign 155.940 ± 195.299 χ^2/NDF : 37.7/50

All: -69.527 ± 136.907 χ^2/NDF : 101.3/105

- sign -287.384 ± 191.975 χ^2/NDF : 61.0/54

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1171.676 $\pm$ 0.209 χ^2 /NDF: 375805.1/26

Left Out: 1119.258 $\pm$ 0.184 χ^2 /NDF: 8143.3/23

Right Out: 1184.935 $\pm$ 0.200 χ^2 /NDF: 679814.2/31

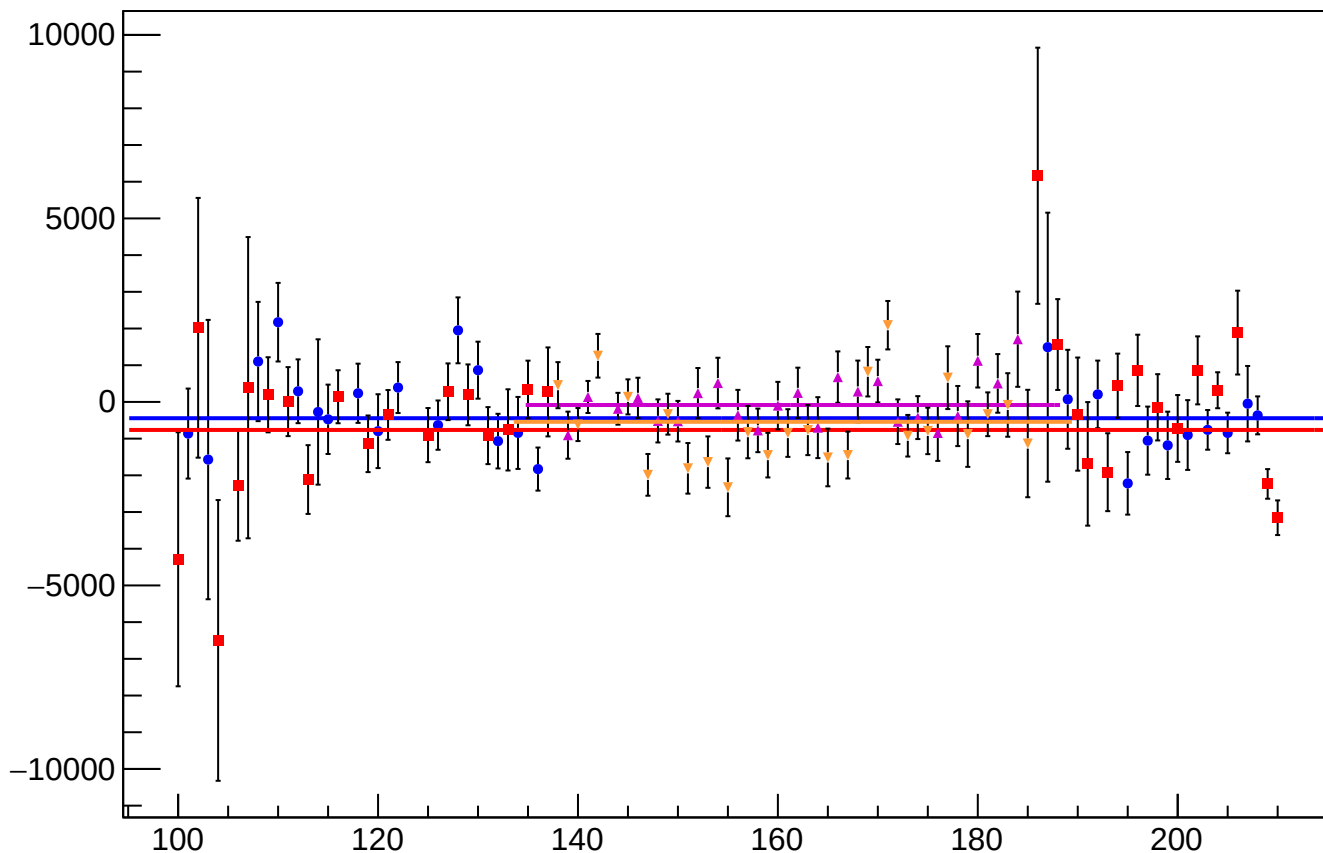
Left In: 1120.800 $\pm$ 0.185 χ^2 /NDF: 9426.5/22

+ sign 1142.061 $\pm$ 0.138 χ^2 /NDF: 419358.8/50

All: 1146.316 $\pm$ 0.097 χ^2 /NDF: 1165946.3/10

- sign 1150.427 $\pm$ 0.136 χ^2 /NDF: 744721.2/54

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -443.664 ± 161.861 χ^2/NDF : 34.2/26

Left Out: -541.591 ± 132.012 χ^2/NDF : 60.9/23

Right Out: -763.461 ± 151.812 χ^2/NDF : 83.1/31

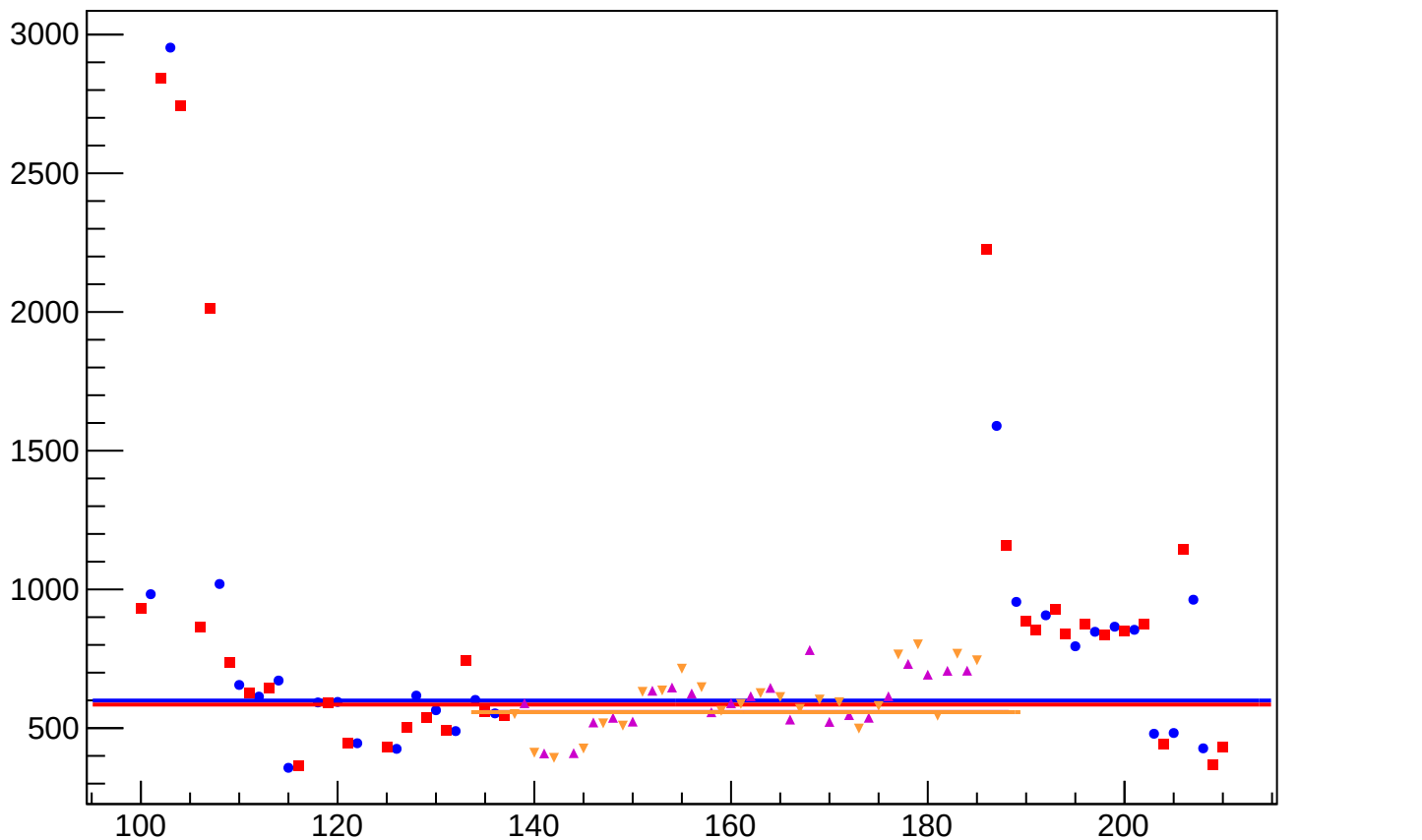
Left In: -84.122 ± 132.548 χ^2/NDF : 16.4/22

+ sign -502.473 ± 102.301 χ^2/NDF : 95.3/50

All: -438.715 ± 71.454 χ^2/NDF : 206.9/105

- sign -377.980 ± 99.846 χ^2/NDF : 110.9/54

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 599.420 $\pm$ 0.114 χ^2 /NDF: 3256558.5/26

Left Out: 557.591 $\pm$ 0.093 χ^2 /NDF: 1193291.2/23

Right Out: 584.956 $\pm$ 0.107 χ^2 /NDF: 5805880.5/31

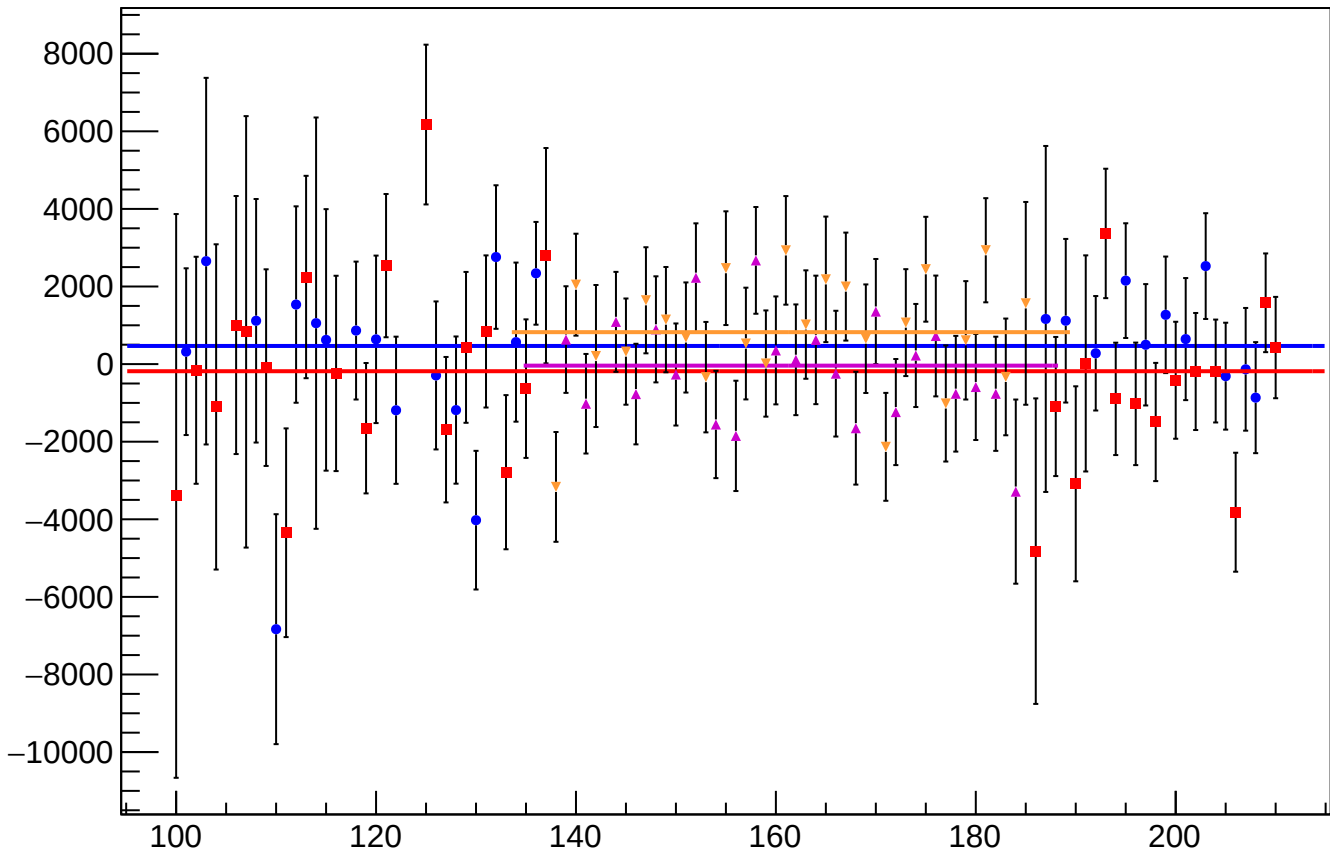
Left In: 558.392 $\pm$ 0.094 χ^2 /NDF: 1027828.9/22

+ sign 574.300 $\pm$ 0.072 χ^2 /NDF: 4530061.8/50

All: 572.038 $\pm$ 0.051 χ^2 /NDF: 11400426.9/10

- sign 569.883 $\pm$ 0.071 χ^2 /NDF: 6868455.3/54

asym_usl_atl1_dd_mean vs Slug



Right In: 467.769 ± 355.029 χ^2/NDF : 23.5/26

Left Out: 823.319 ± 294.835 χ^2/NDF : 26.2/23

Right Out: -183.436 ± 338.788 χ^2/NDF : 36.7/31

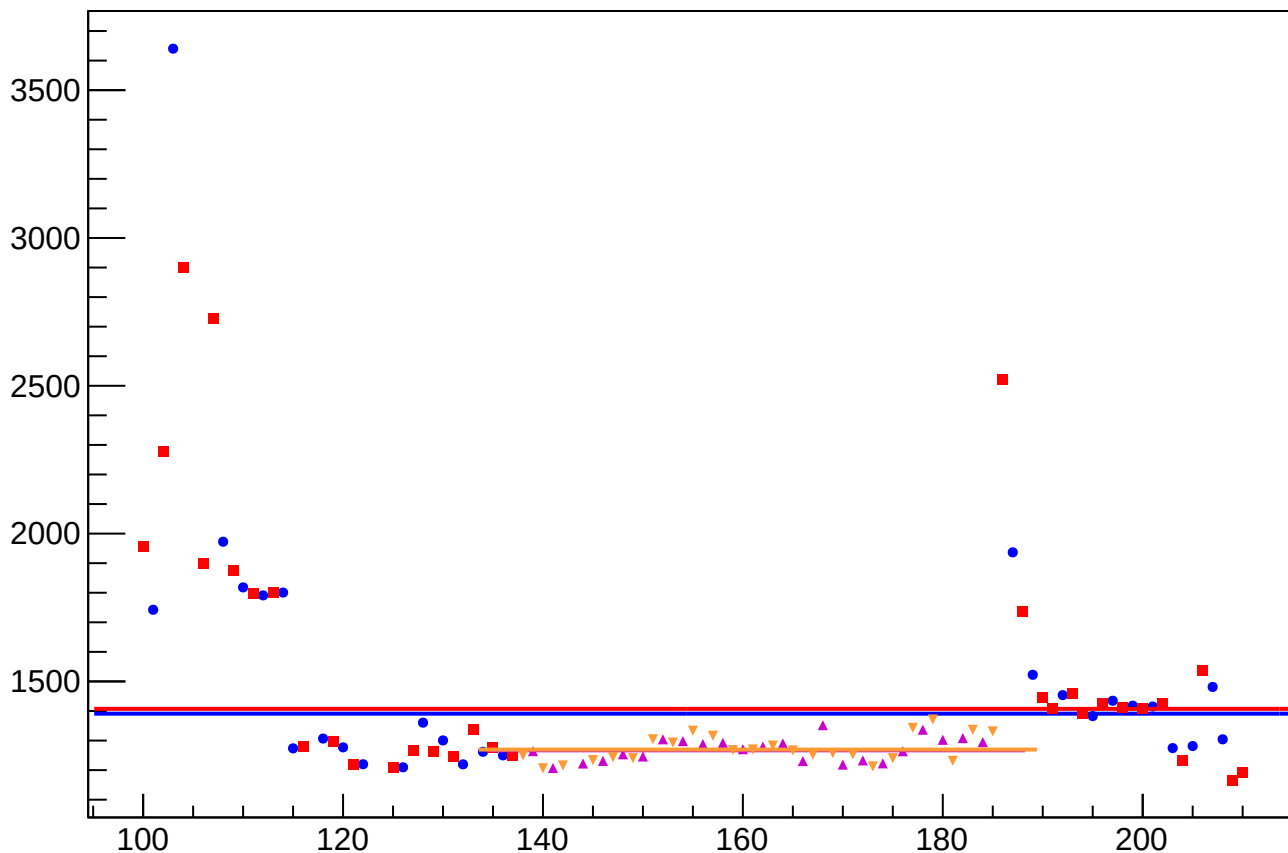
Left In: -39.696 ± 296.006 χ^2/NDF : 17.9/22

+ sign 678.197 ± 226.819 χ^2/NDF : 50.2/50

All: 281.354 ± 158.985 χ^2/NDF : 110.9/105

- sign -101.922 ± 222.909 χ^2/NDF : 54.6/54

asym_usl_atl1_dd_rms vs Slug



Right In: 1390.936+/-0.251 χ^2/NDF : 864486.8/26

Left Out: 1269.441+/-0.208 χ^2/NDF : 43040.3/23

Right Out: 1407.219+/-0.240 χ^2/NDF : 1268564.1/31

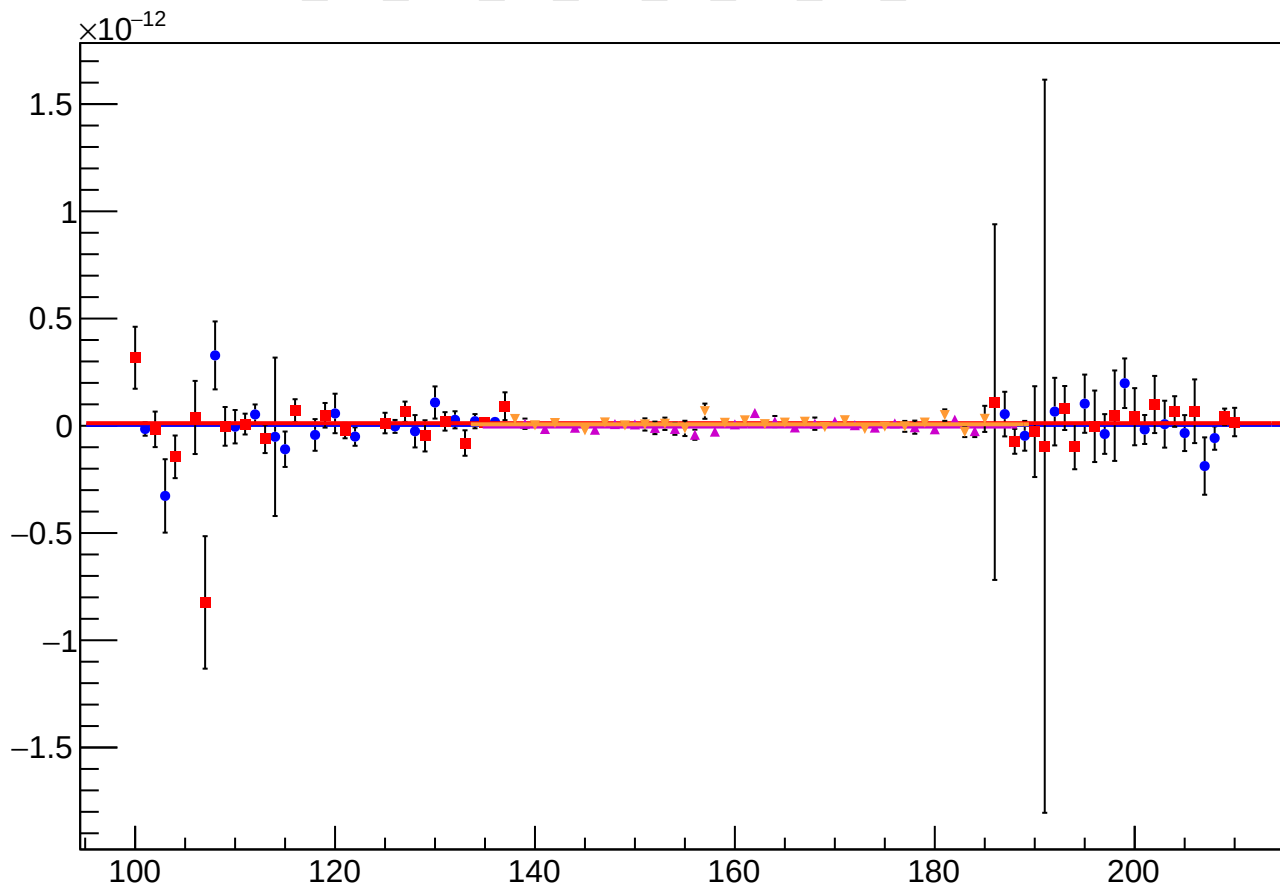
Left In: 1267.066+/-0.209 χ^2/NDF : 34547.0/22

+ sign 1319.030+/-0.160 χ^2/NDF : 1046146.8/50

All: 1323.461+/-0.112 χ^2/NDF : 2544860.0/10

- sign 1327.739+/-0.158 χ^2/NDF : 1497213.3/54

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/31

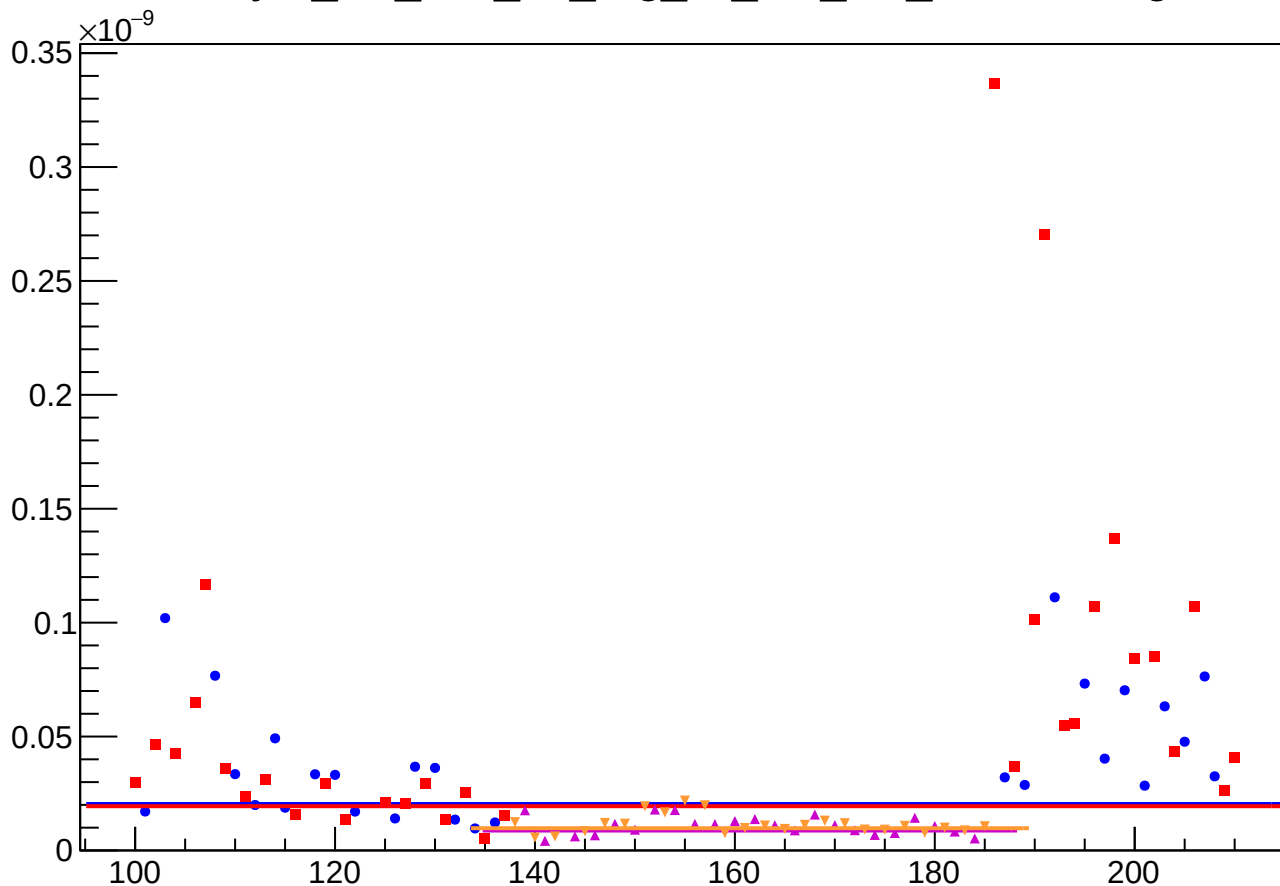
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.9/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 102.4/105

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.9/54

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 4298373.9/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 1373738.7/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 7328353.3/31

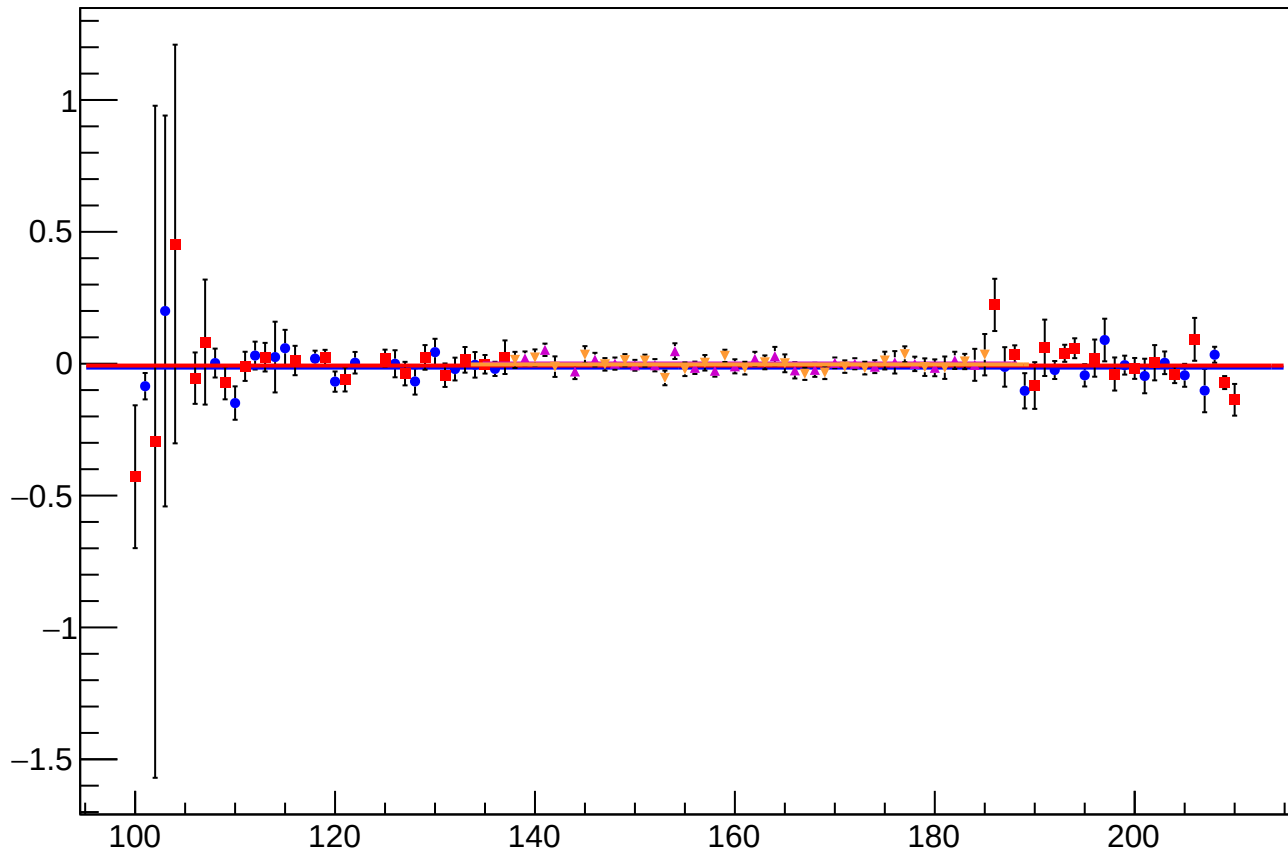
Left In: 0.000 ± 0.000 χ^2/NDF : 1928867.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 7602523.9/50

All: 0.000 ± 0.000 χ^2/NDF : 19077264.2/105

- sign 0.000 ± 0.000 χ^2/NDF : 11385820.2/54

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.015 $\pm$ 0.009 χ^2/NDF : 23.3/26

Left Out: -0.003 $\pm$ 0.006 χ^2/NDF : 16.3/23

Right Out: -0.007 $\pm$ 0.008 χ^2/NDF : 37.6/31

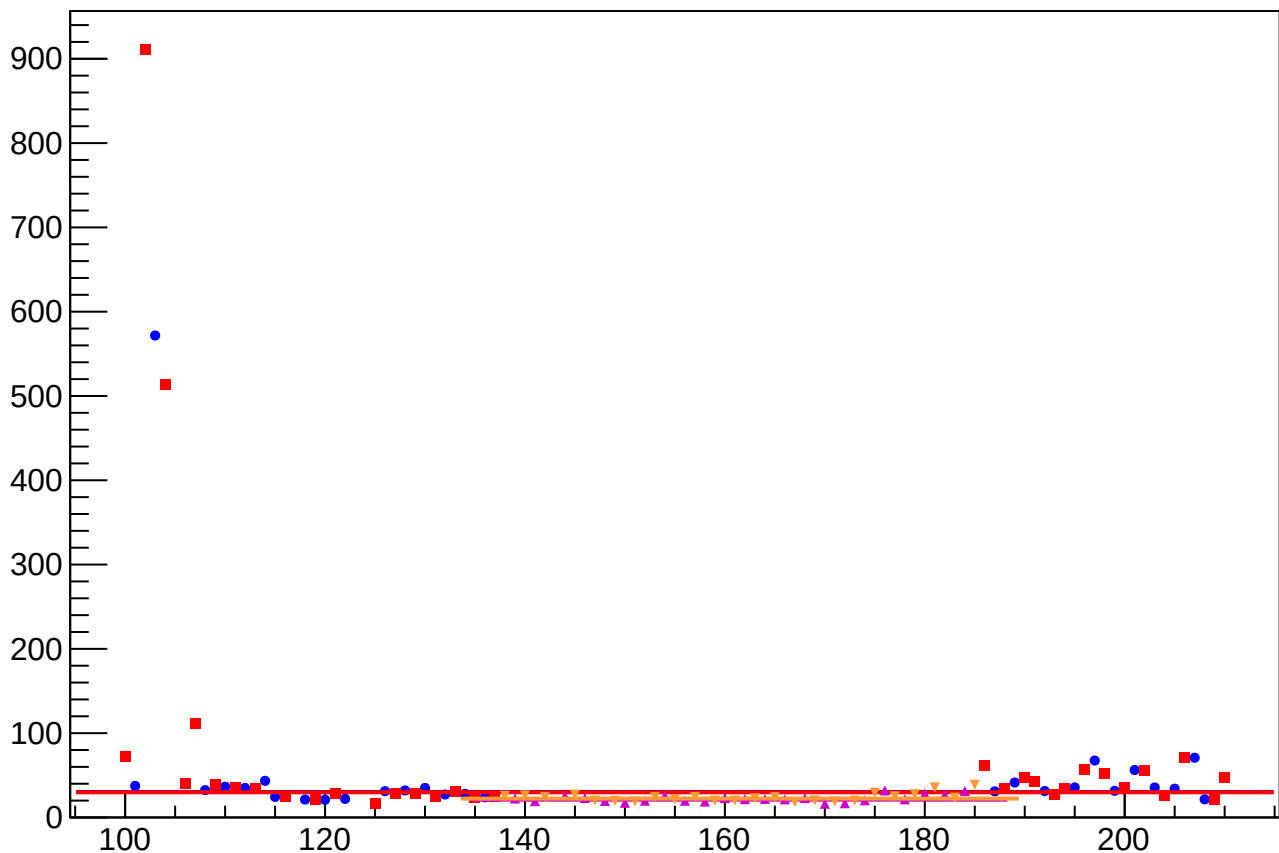
Left In: 0.001 $\pm$ 0.005 χ^2/NDF : 14.9/22

+ sign -0.006 $\pm$ 0.005 χ^2/NDF : 40.9/50

All: -0.004 $\pm$ 0.003 χ^2/NDF : 94.5/105

- sign -0.002 $\pm$ 0.005 χ^2/NDF : 53.1/54

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.147+/-0.006 χ^2/NDF : 3235541.0/26

Left Out: 22.355+/-0.004 χ^2/NDF : 816073.4/23

Right Out: 29.890+/-0.006 χ^2/NDF : 5033168.1/31

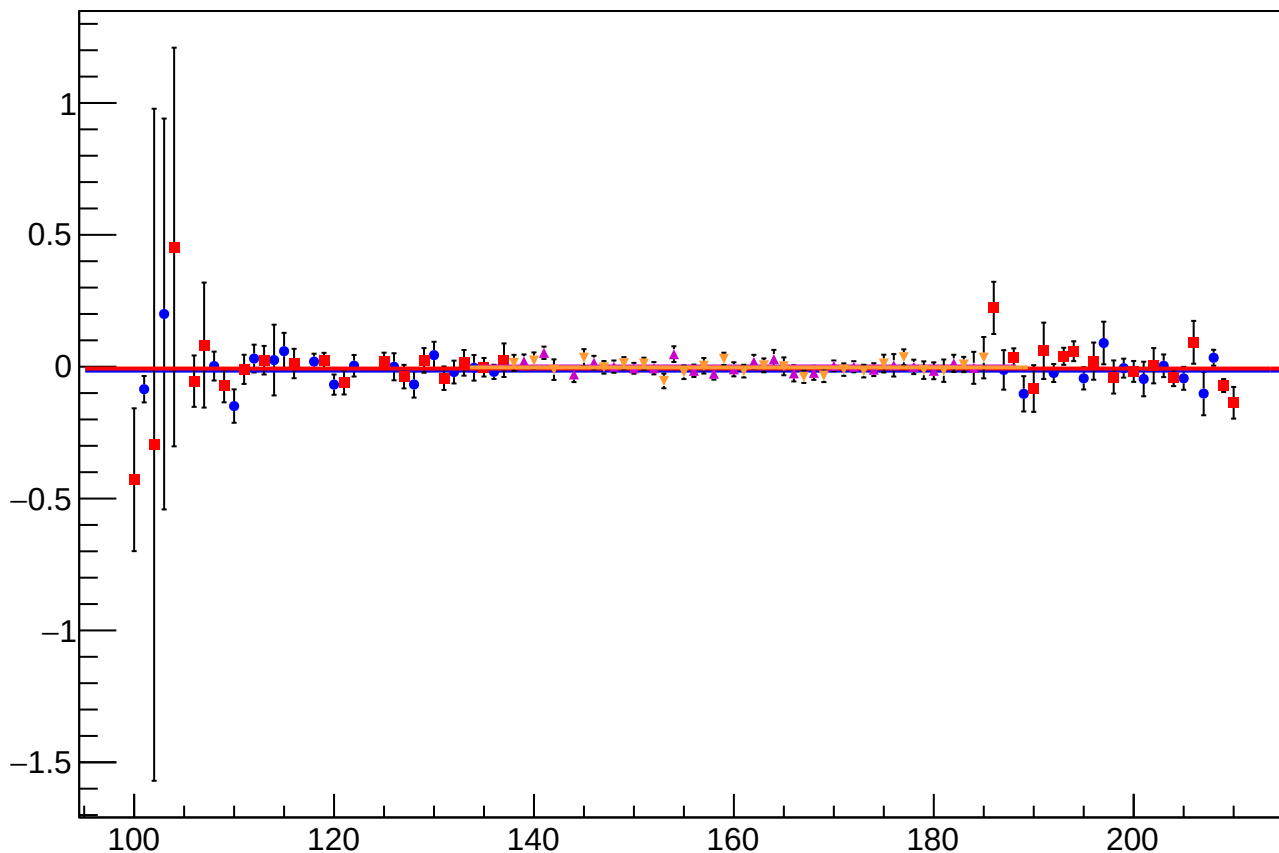
Left In: 21.099+/-0.004 χ^2/NDF : 819255.8/22

+ sign 24.632+/-0.003 χ^2/NDF : 5150076.5/50

All: 24.145+/-0.002 χ^2/NDF : 12570549.9/105

- sign 23.696+/-0.003 χ^2/NDF : 7380509.7/54

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.015 ± 0.009 χ^2/NDF : 23.3/26

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: -0.007 ± 0.008 χ^2/NDF : 37.6/31

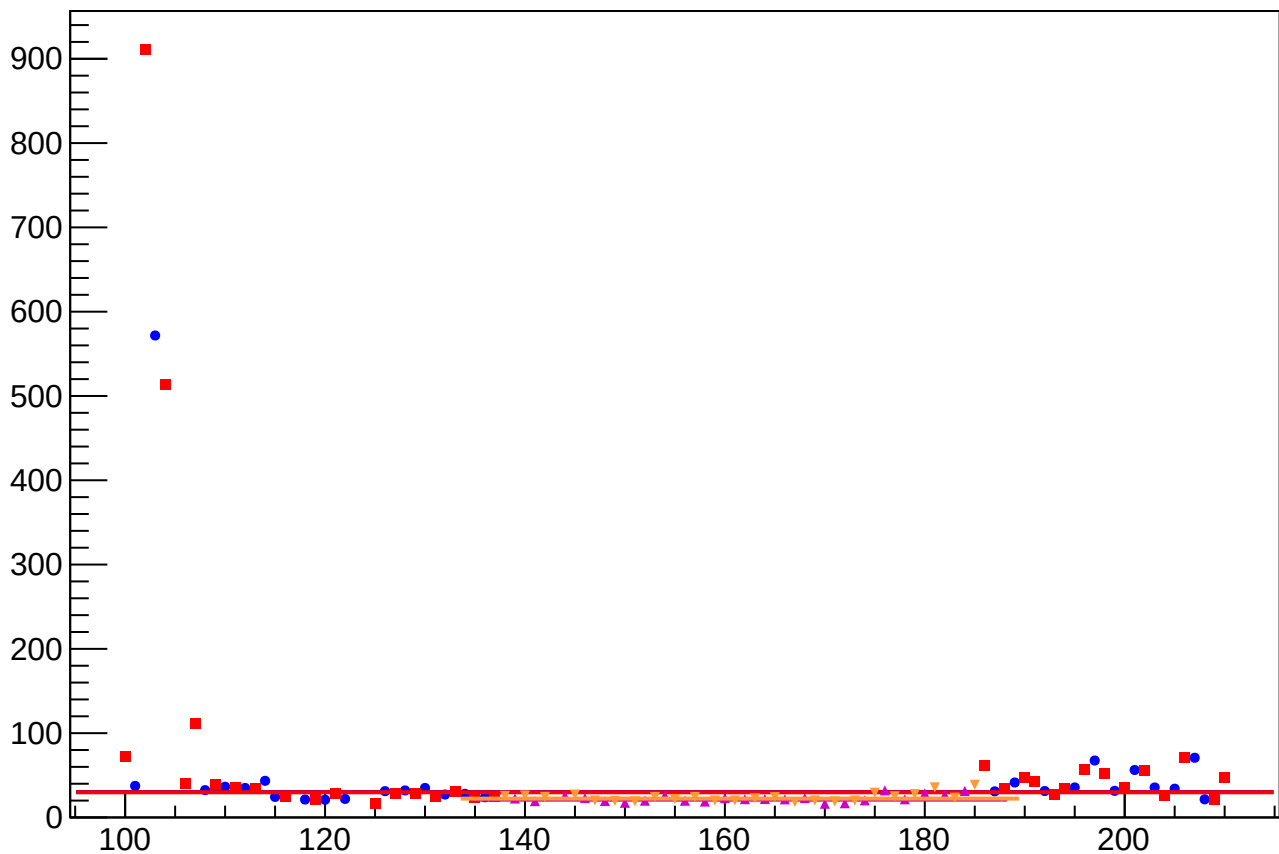
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.006 ± 0.005 χ^2/NDF : 40.9/50

All: -0.004 ± 0.003 χ^2/NDF : 94.5/105

- sign -0.002 ± 0.005 χ^2/NDF : 53.1/54

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.147+/-0.006 χ^2/NDF : 3235541.0/26

Left Out: 22.355+/-0.004 χ^2/NDF : 816073.4/23

Right Out: 29.890+/-0.006 χ^2/NDF : 5033168.1/31

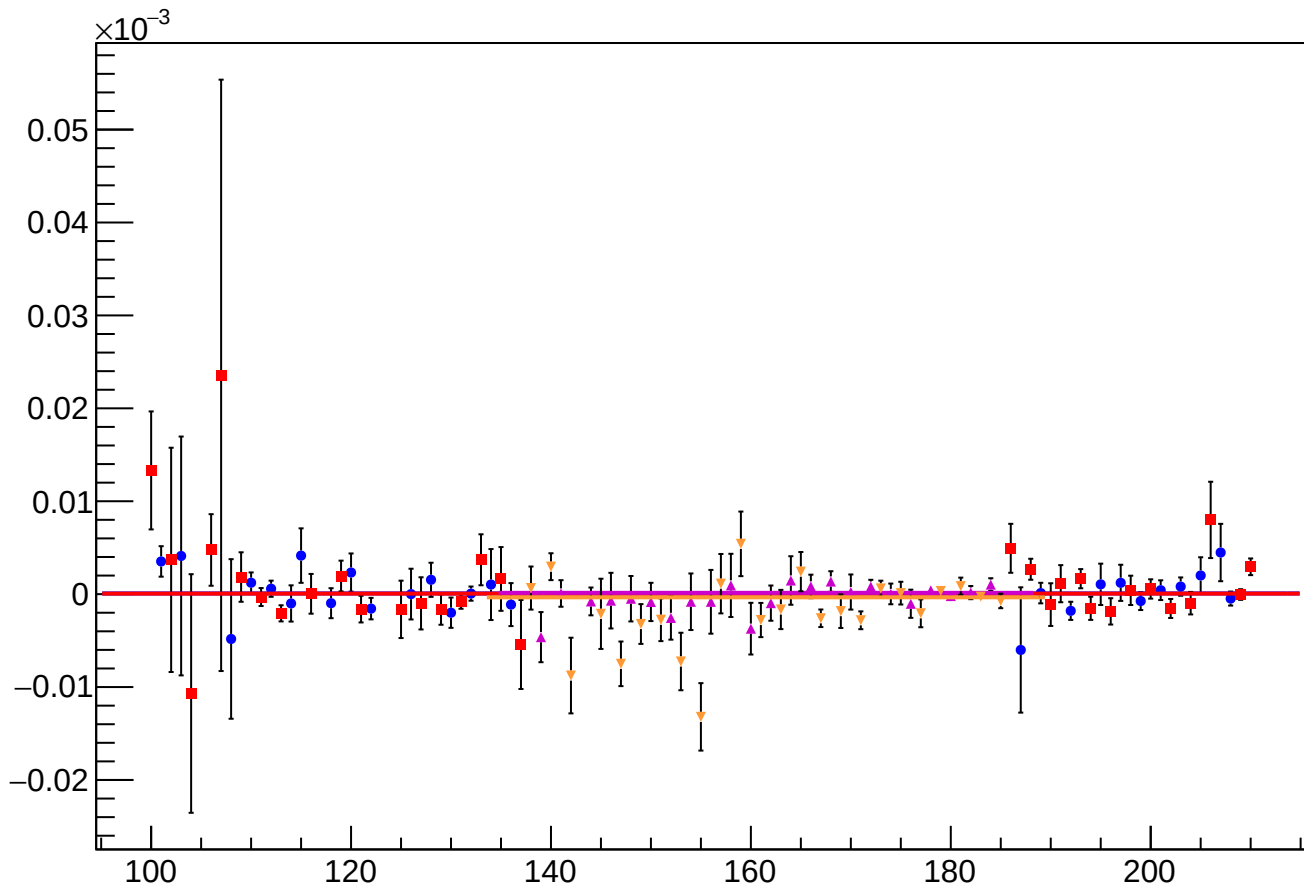
Left In: 21.099+/-0.004 χ^2/NDF : 819255.8/22

+ sign 24.632+/-0.003 χ^2/NDF : 5150076.5/50

All: 24.145+/-0.002 χ^2/NDF : 12570549.9/105

- sign 23.696+/-0.003 χ^2/NDF : 7380509.7/54

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 24.7/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 68.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 55.3/31

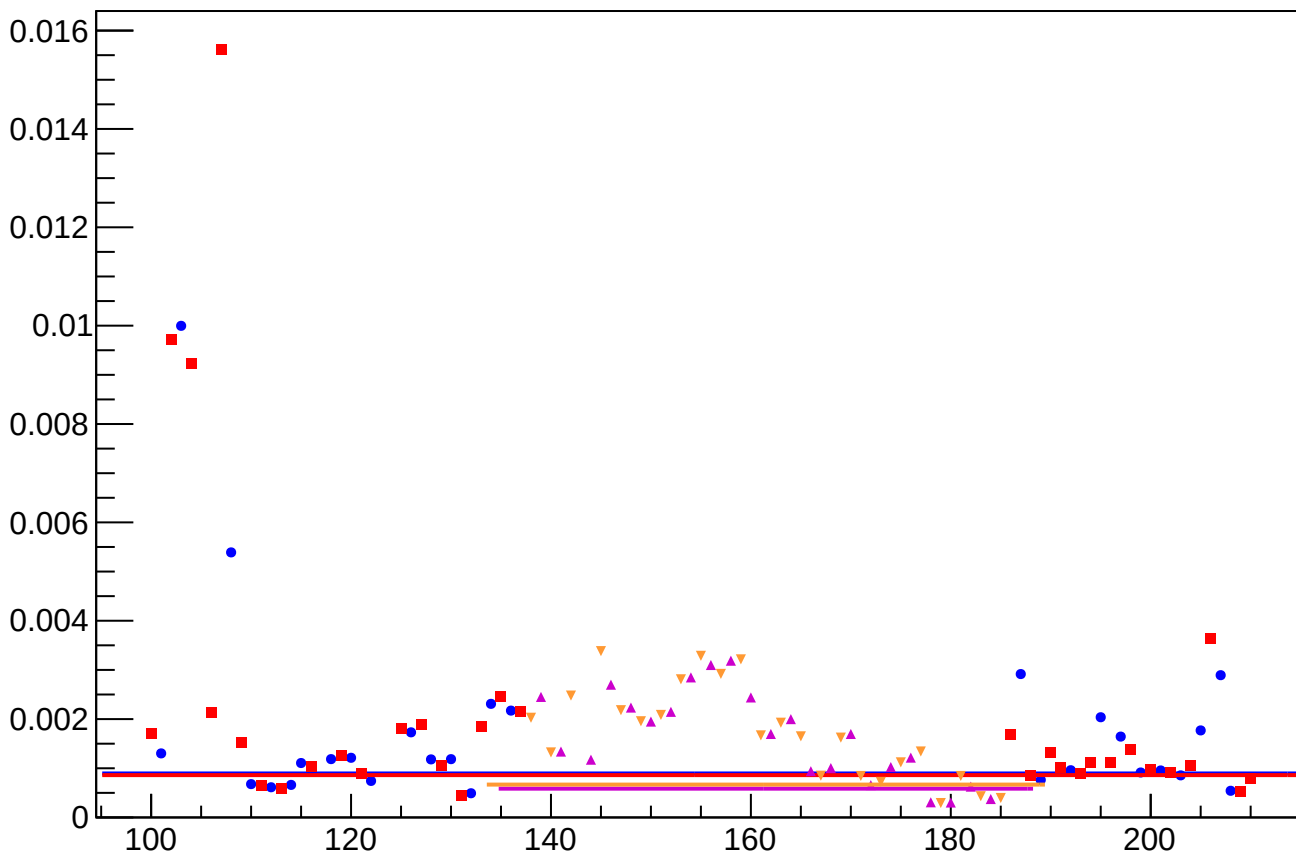
Left In: 0.000 ± 0.000 χ^2/NDF : 14.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 94.3/50

All: -0.000 ± 0.000 χ^2/NDF : 165.7/105

- sign 0.000 ± 0.000 χ^2/NDF : 69.6/54

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 6612322.6/26

Left Out: 0.001+/-0.000 χ^2/NDF :15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF : 7391420.6/31

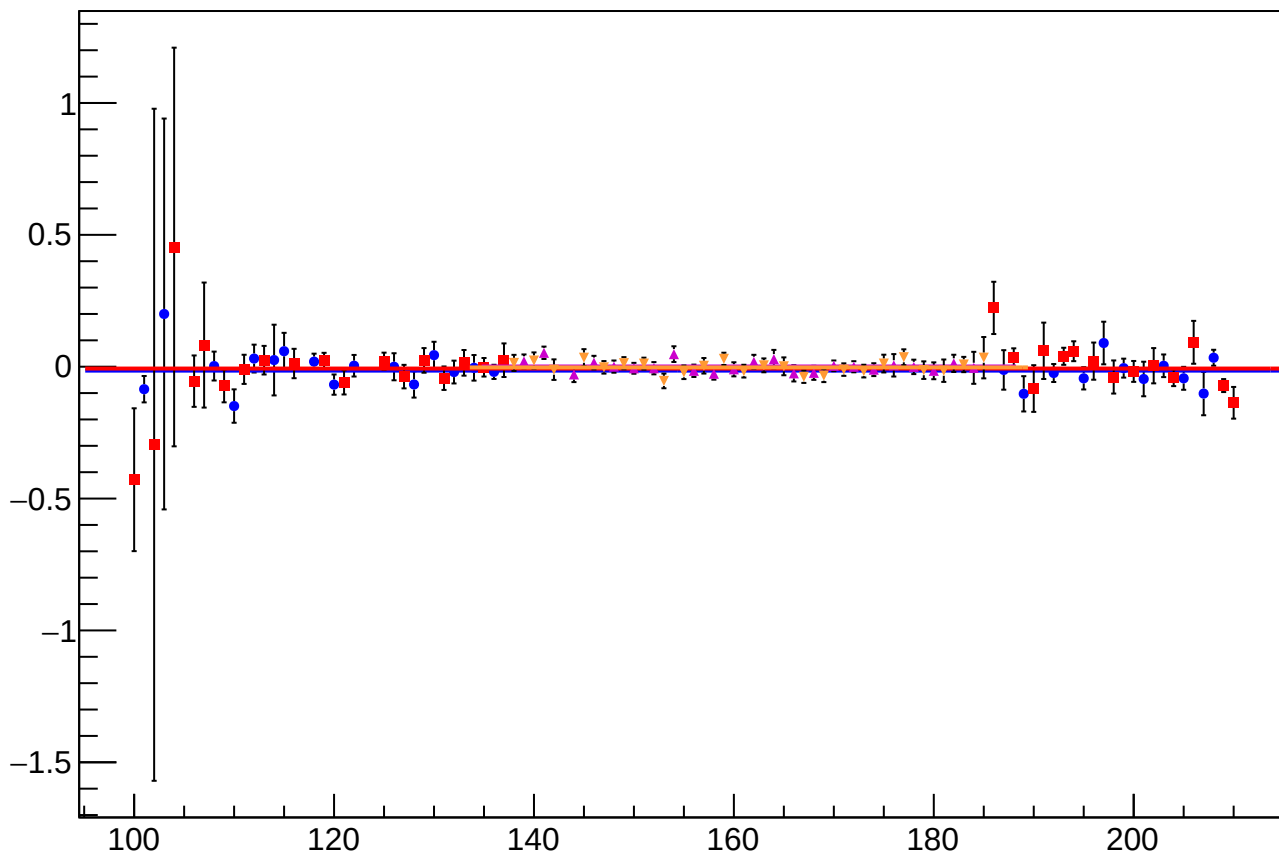
Left In: 0.001+/-0.000 χ^2/NDF :15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF : 22907699.0/50

All: 0.001+/-0.000 χ^2/NDF : 47749592.3/105

- sign 0.001+/-0.000 χ^2/NDF : 24664747.5/54

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.015 ± 0.009 χ^2/NDF : 23.3/26

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: -0.007 ± 0.008 χ^2/NDF : 37.6/31

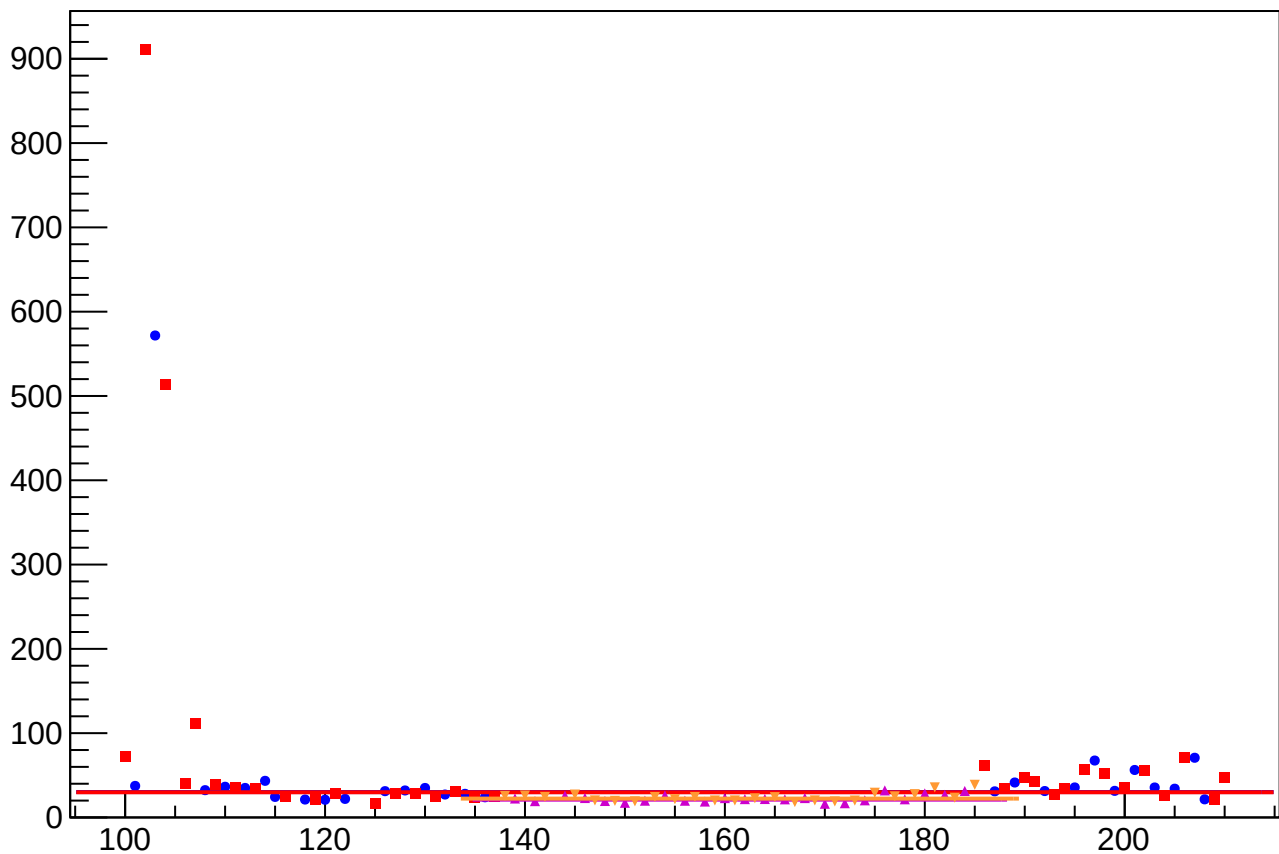
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.006 ± 0.005 χ^2/NDF : 40.9/50

All: -0.004 ± 0.003 χ^2/NDF : 94.5/105

- sign -0.002 ± 0.005 χ^2/NDF : 53.1/54

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.147 $\pm$ 0.006 χ^2 /NDF: 3235594.3/26

Left Out: 22.355 $\pm$ 0.004 χ^2 /NDF: 816044.6/23

Right Out: 29.890 $\pm$ 0.006 χ^2 /NDF: 5033227.4/31

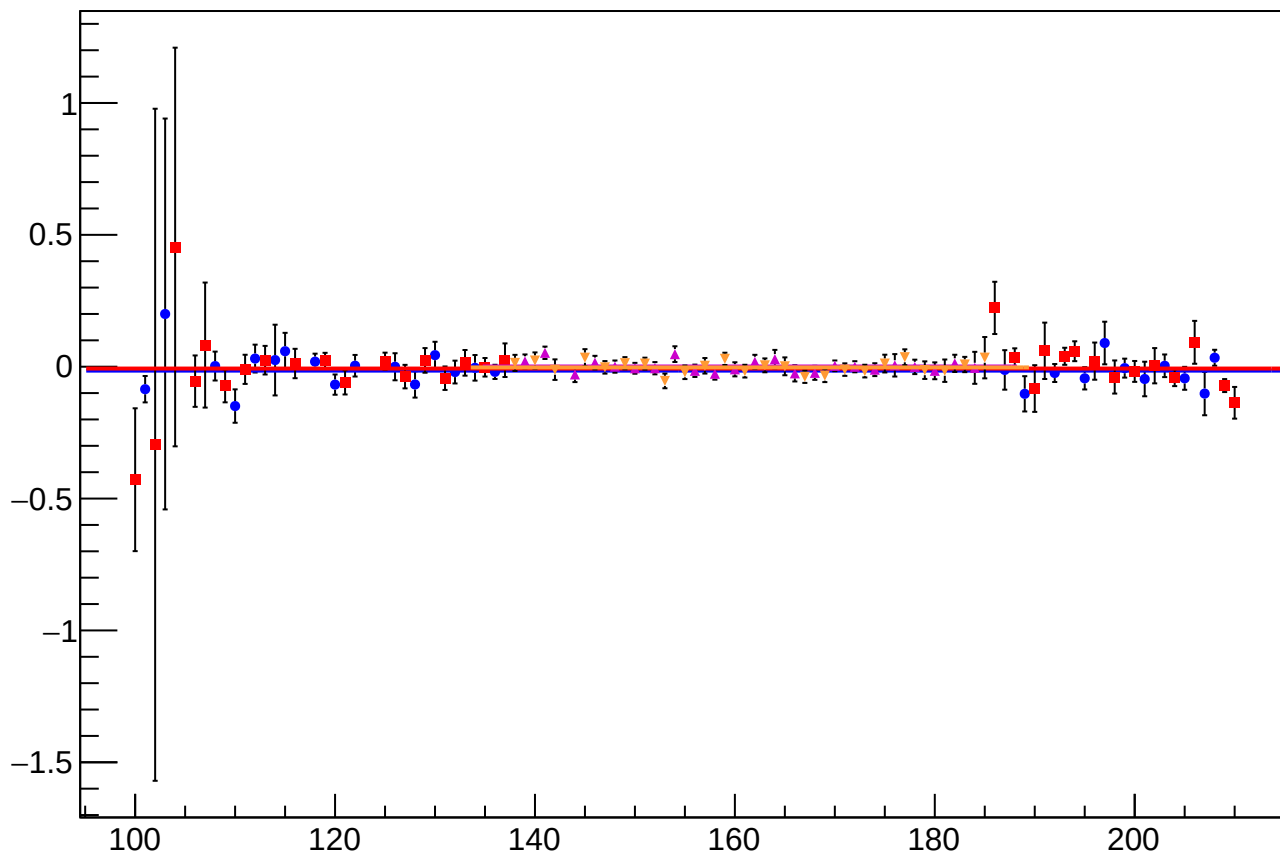
Left In: 21.099 $\pm$ 0.004 χ^2 /NDF: 819268.9/22

+ sign 24.632 $\pm$ 0.003 χ^2 /NDF: 5150113.7/50

All: 24.145 $\pm$ 0.002 χ^2 /NDF: 12570674.7/105

- sign 23.696 $\pm$ 0.003 χ^2 /NDF: 7380599.5/54

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.015 ± 0.009 χ^2/NDF : 23.3/26

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: -0.007 ± 0.008 χ^2/NDF : 37.6/31

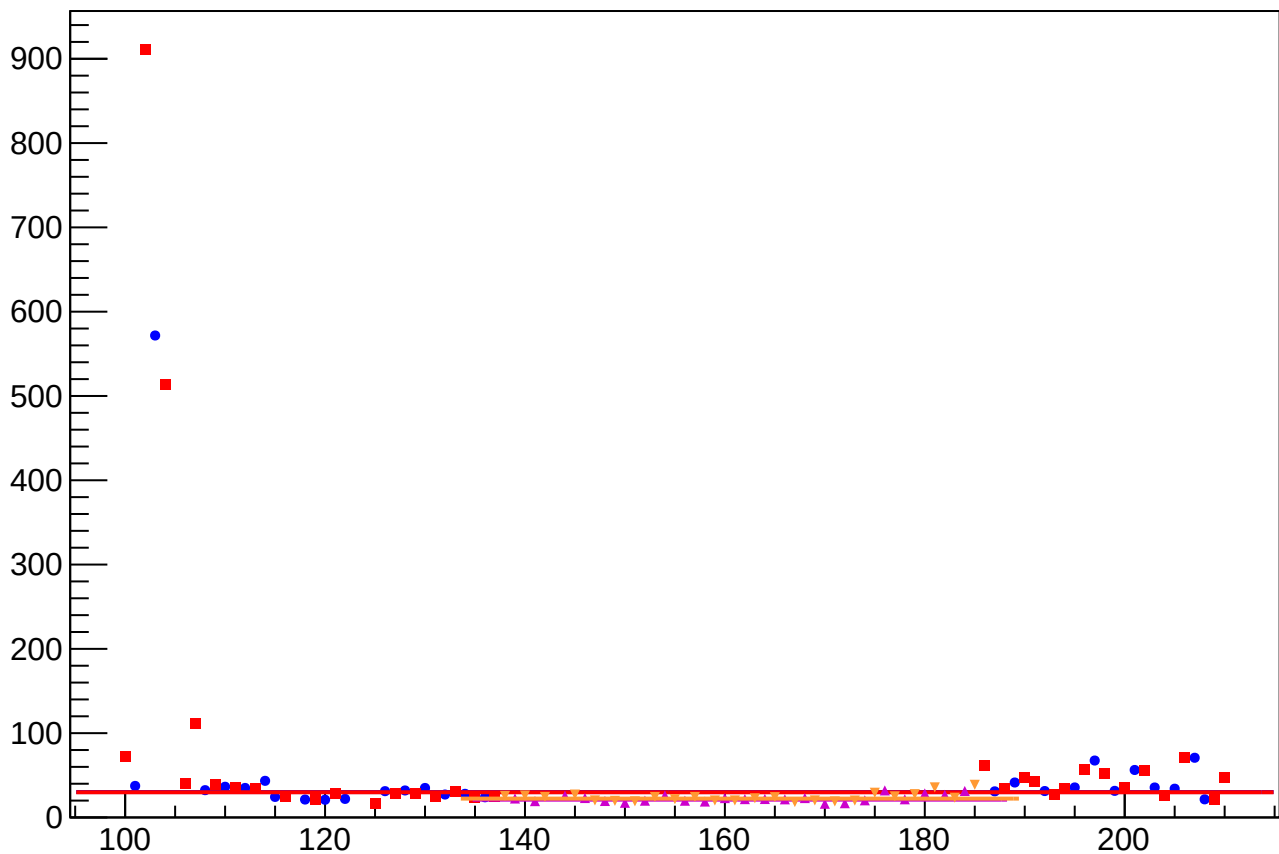
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.006 ± 0.005 χ^2/NDF : 40.9/50

All: -0.004 ± 0.003 χ^2/NDF : 94.5/105

- sign -0.002 ± 0.005 χ^2/NDF : 53.1/54

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.147 $\pm$ 0.006 χ^2 /NDF: 3235594.3/26

Left Out: 22.355 $\pm$ 0.004 χ^2 /NDF: 816044.6/23

Right Out: 29.890 $\pm$ 0.006 χ^2 /NDF: 5033227.4/31

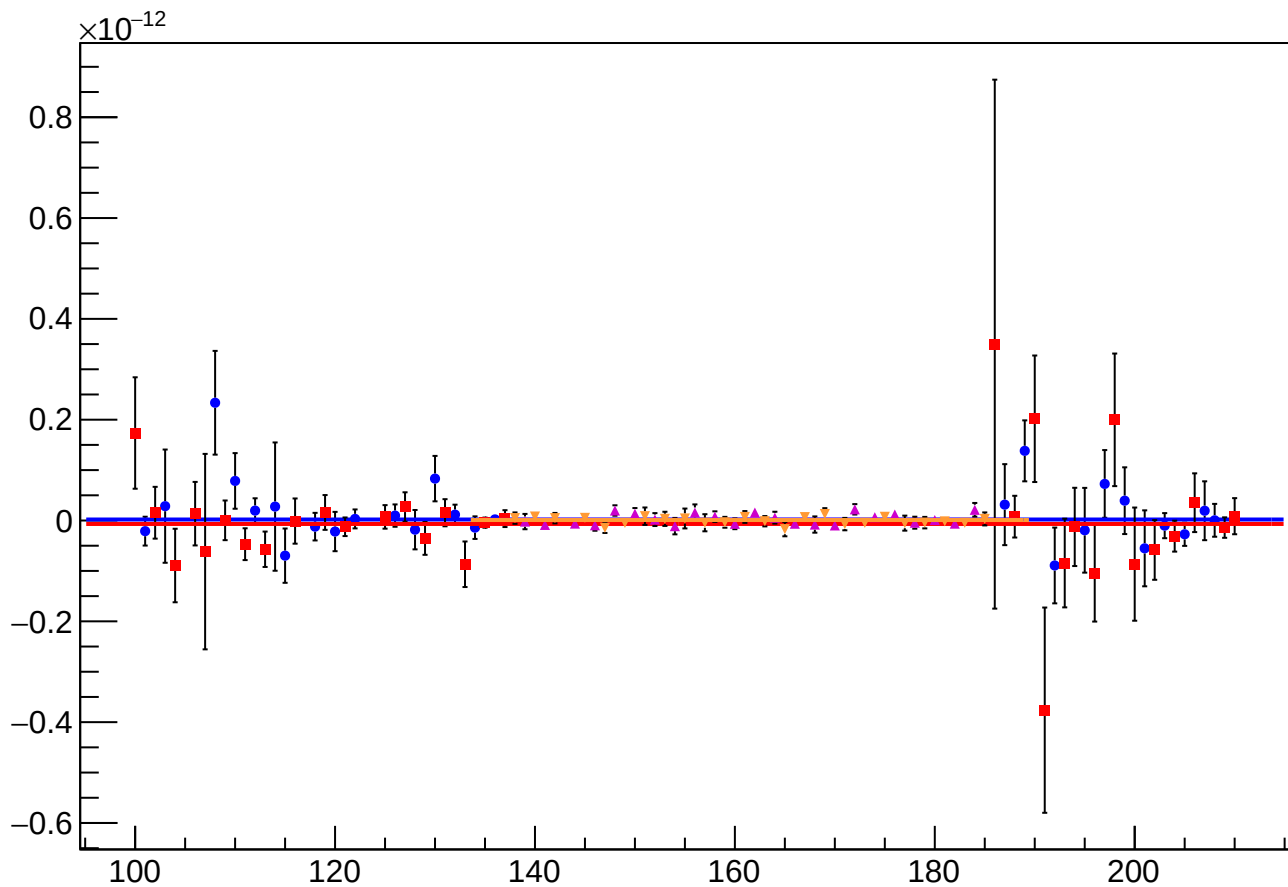
Left In: 21.099 $\pm$ 0.004 χ^2 /NDF: 819268.9/22

+ sign 24.632 $\pm$ 0.003 χ^2 /NDF: 5150113.7/50

All: 24.145 $\pm$ 0.002 χ^2 /NDF: 12570674.7/105

- sign 23.696 $\pm$ 0.003 χ^2 /NDF: 7380599.5/54

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 25.8/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 11.6/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 28.9/31

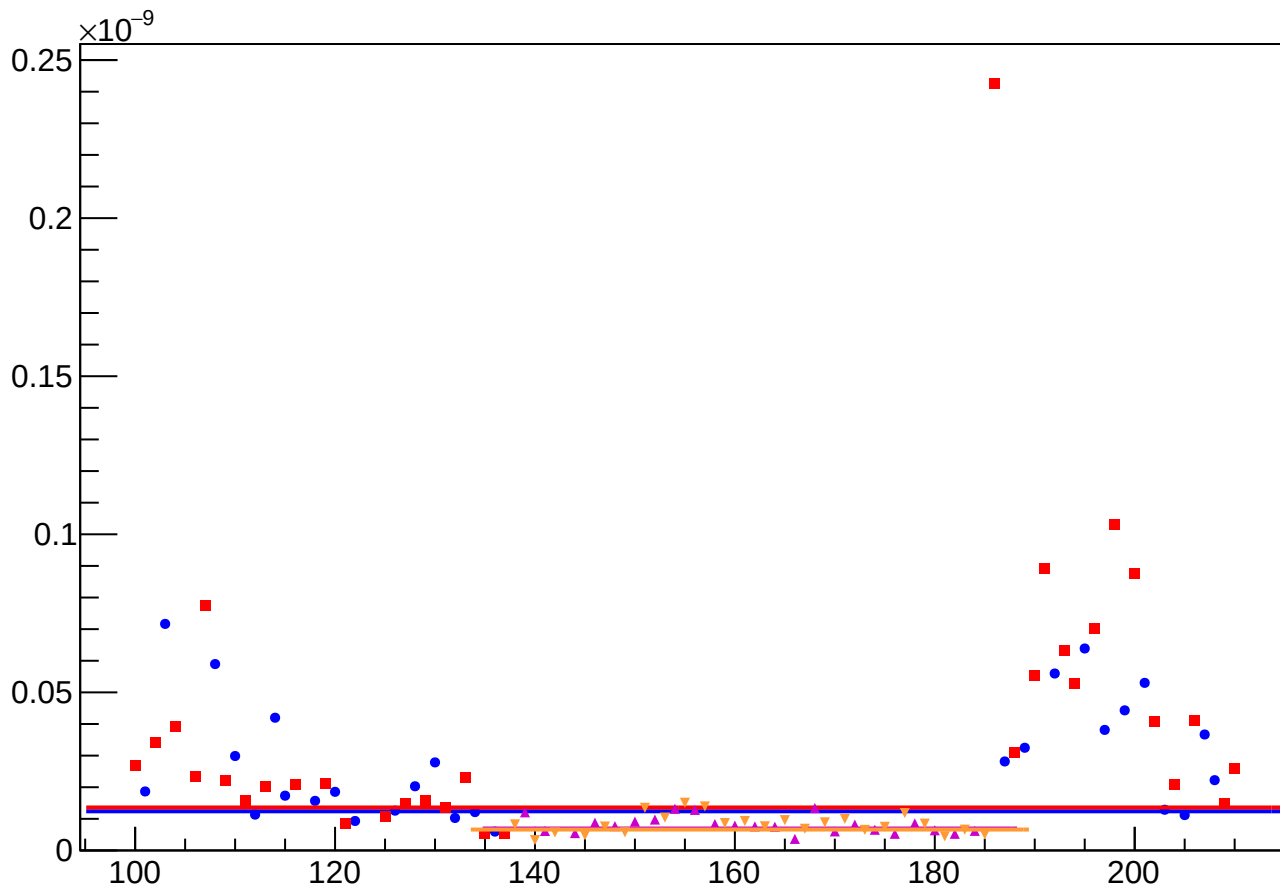
Left In: 0.000 ± 0.000 χ^2/NDF : 25.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 37.4/50

All: 0.000 ± 0.000 χ^2/NDF : 94.1/105

- sign 0.000 ± 0.000 χ^2/NDF : 56.6/54

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6616163.2/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9353754.7/31

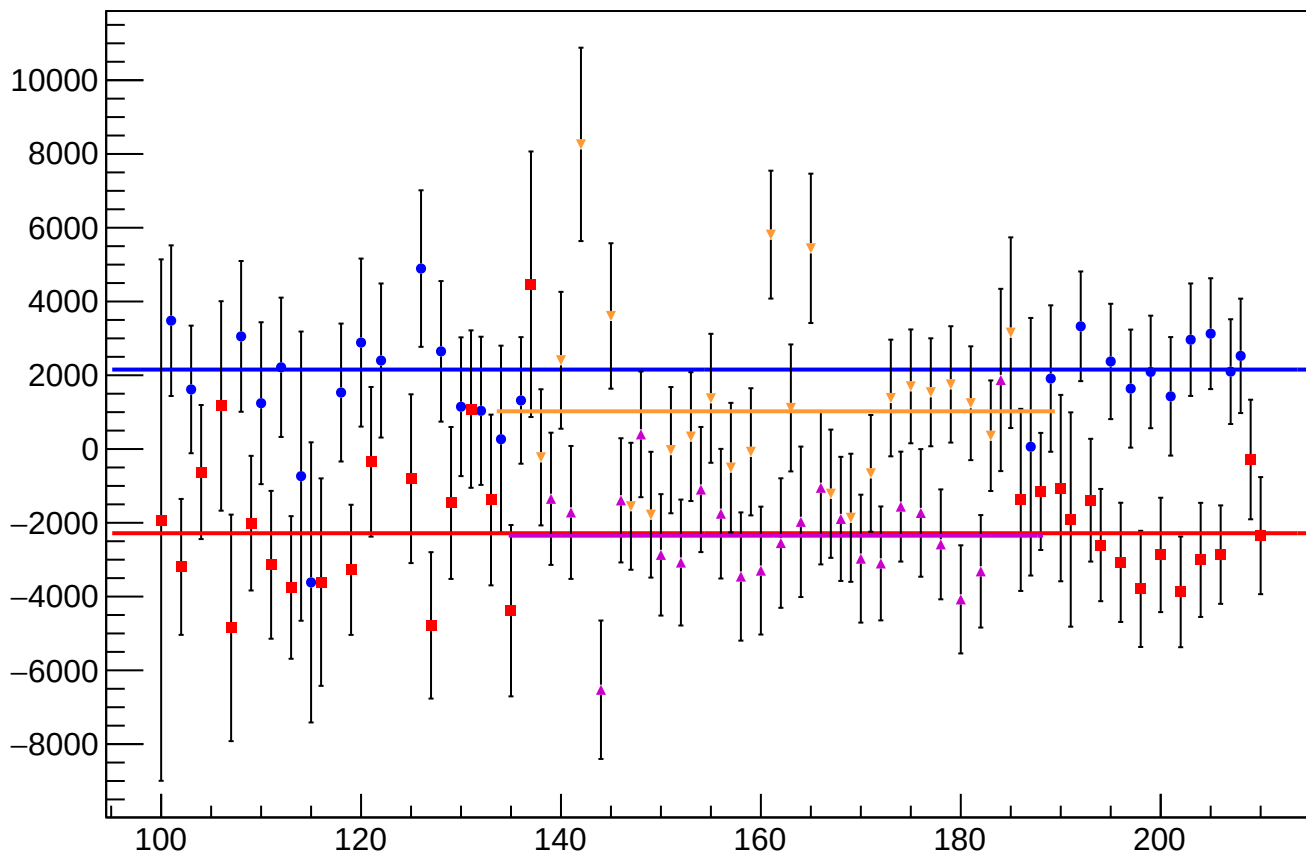
Left In: 0.000+/-0.000 χ^2/NDF : 2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 12193685.5/50

All: 0.000+/-0.000 χ^2/NDF : 26486588.3/105

- sign 0.000+/-0.000 χ^2/NDF : 14245974.2/54

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2154.462 $\pm$ 356.761 χ^2 /NDF: 9.2/26

Left Out: 1022.603 $\pm$ 353.459 χ^2 /NDF:36.4/23

Right Out: -2282.692 $\pm$ 338.324 χ^2 /NDF: 20.2/31

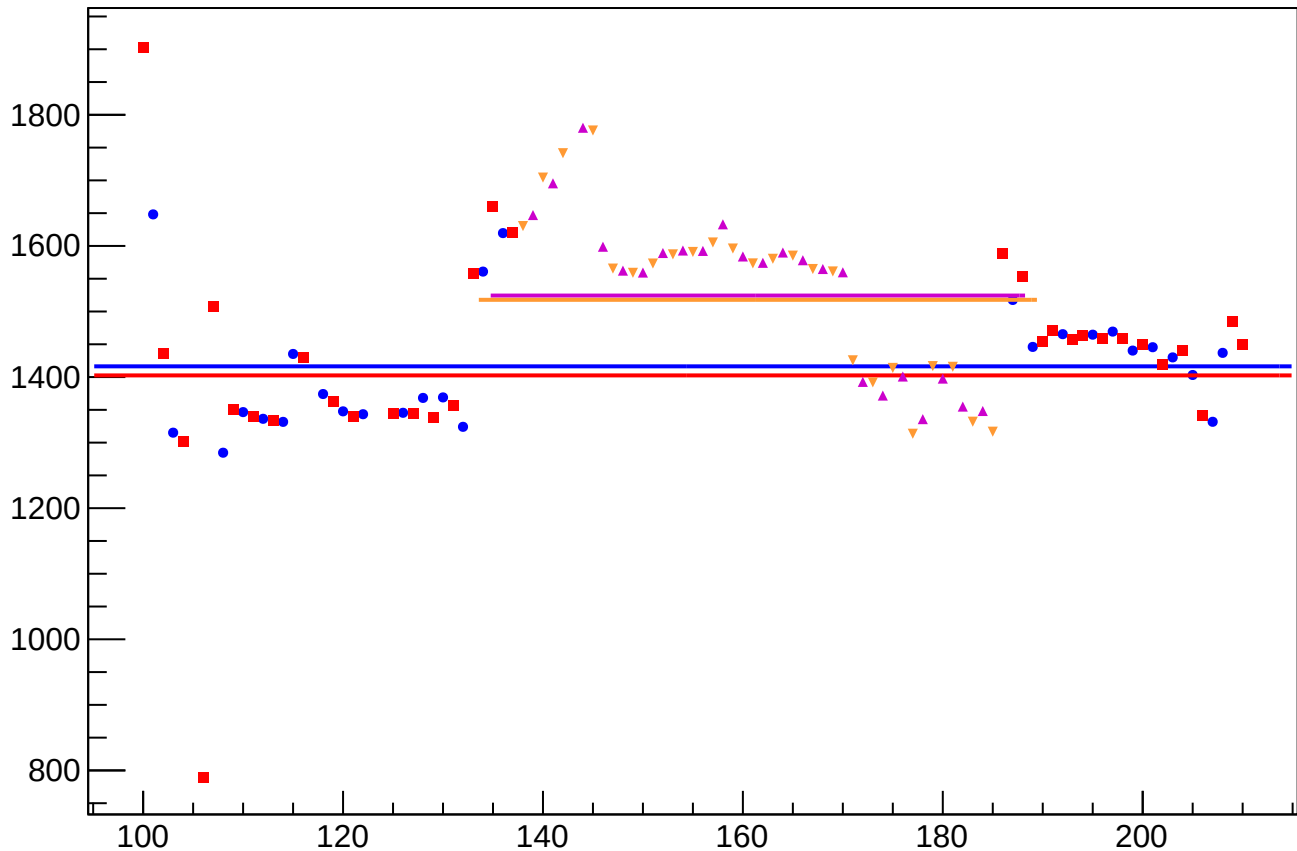
Left In: -2349.189 $\pm$ 357.068 χ^2 /NDF:16.0/22

+ sign 1583.270 $\pm$ 251.093 χ^2 /NDF: 50.7/50

All: -408.608 $\pm$ 175.572 χ^2 /NDF: 210.0/105

- sign -2314.149 $\pm$ 245.590 χ^2 /NDF: 36.2/54

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.357 $\pm$ 0.252 χ^2 /NDF: 113671.5/26

Left Out: 1517.815 $\pm$ 0.250 χ^2 /NDF: 233957.9/23

Right Out: 1402.524 $\pm$ 0.236 χ^2 /NDF: 406627.6/31

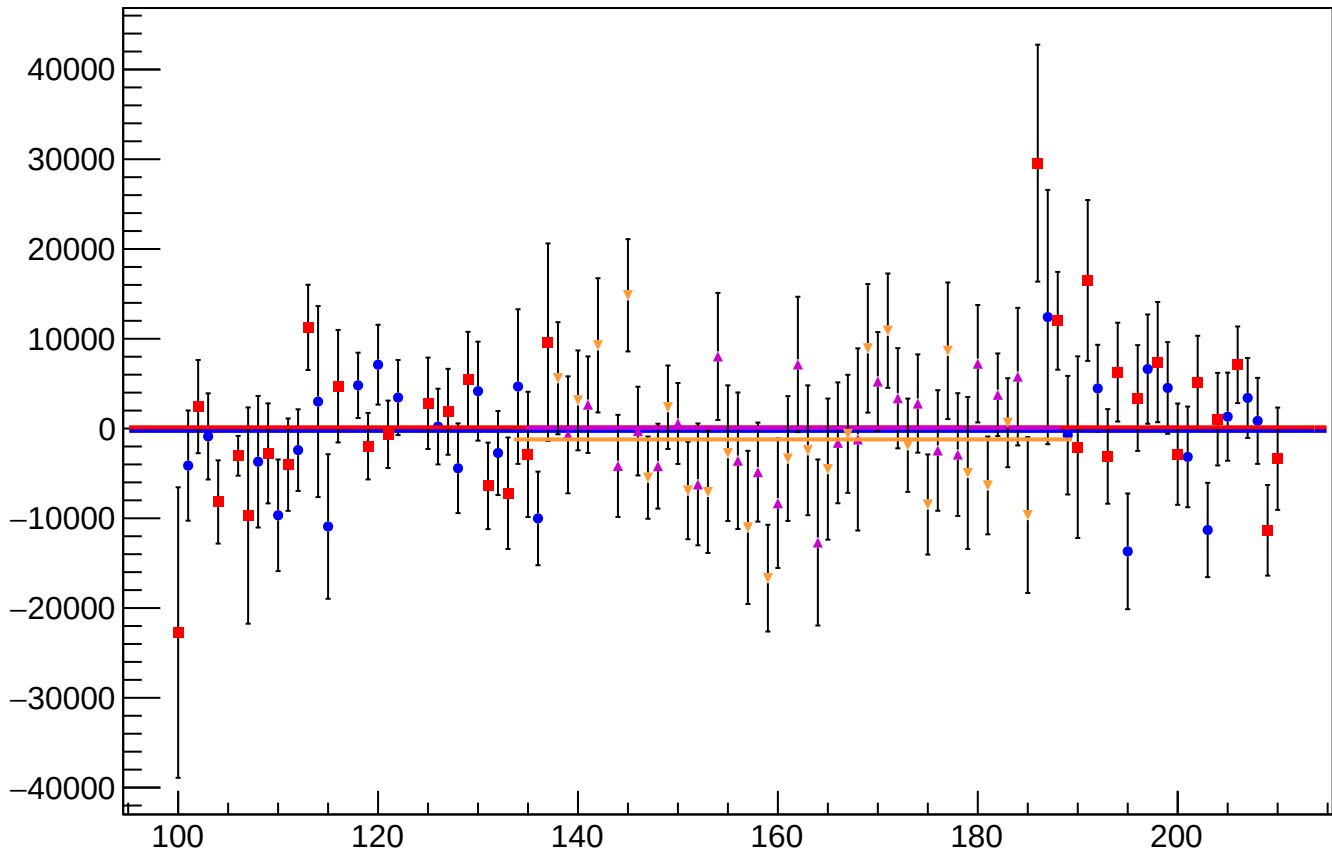
Left In: 1524.314 $\pm$ 0.252 χ^2 /NDF: 224321.2/22

+ sign 1467.558 $\pm$ 0.172 χ^2 /NDF: 429257.5/50

All: 1463.310 $\pm$ 0.124 χ^2 /NDF: 1185514.7/10

- sign 1459.306 $\pm$ 0.172 χ^2 /NDF: 755145.3/54

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -262.432 ± 1021.260 χ^2/NDF : 29.7/26

Left Out: -1211.893 ± 1268.315 χ^2/NDF : 33.2/23

Right Out: 136.739 ± 908.950 χ^2/NDF : 46.7/31

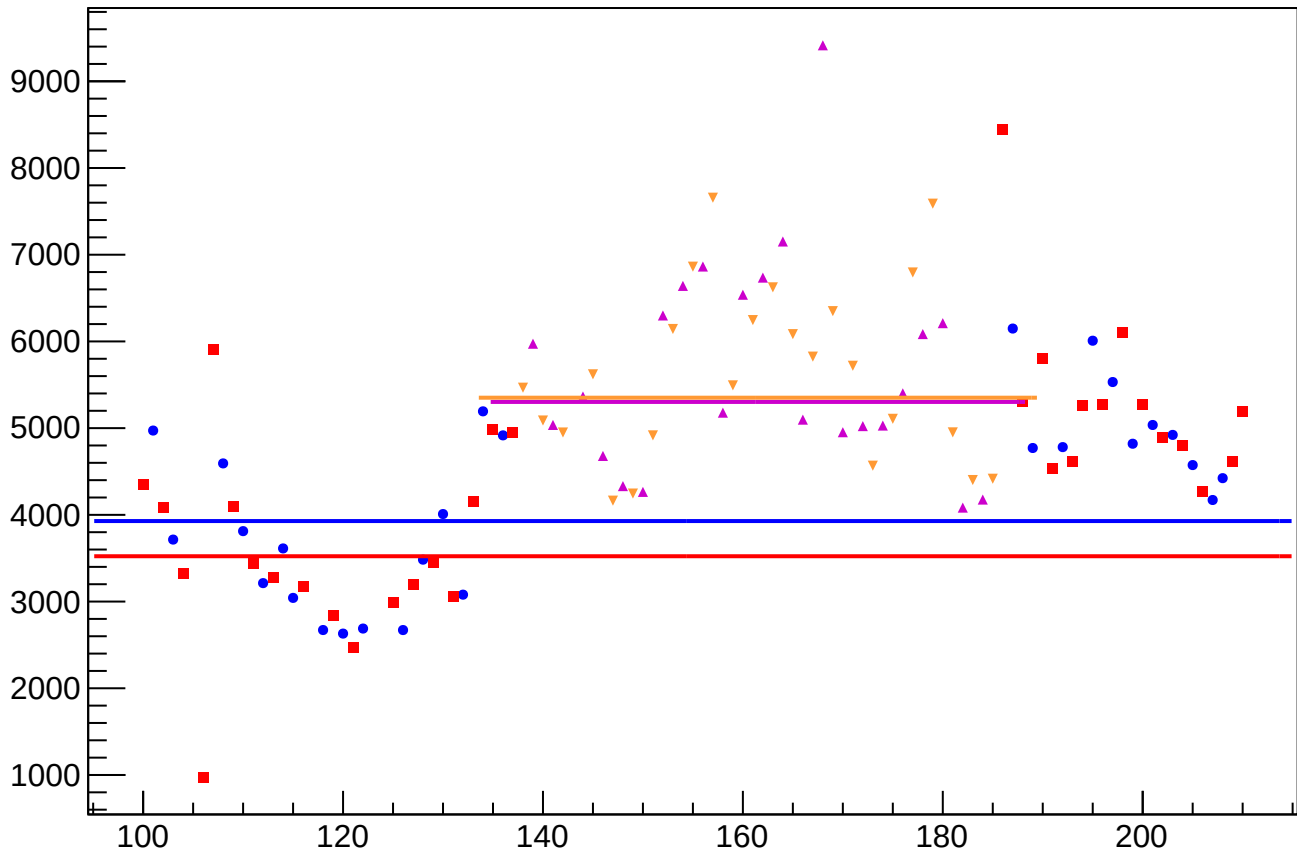
Left In: 80.780 ± 1264.327 χ^2/NDF : 13.2/22

+ sign -635.890 ± 795.444 χ^2/NDF : 63.3/50

All: -230.931 ± 541.023 χ^2/NDF : 123.7/105

- sign 117.672 ± 738.022 χ^2/NDF : 59.9/54

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3928.495 $\pm$ 0.722 χ^2/NDF : 1876764.2/26

Left Out: 5351.126 $\pm$ 0.897 χ^2/NDF : 1066045.6/23

Right Out: 3522.692 $\pm$ 0.643 χ^2/NDF : 5381580.0/31

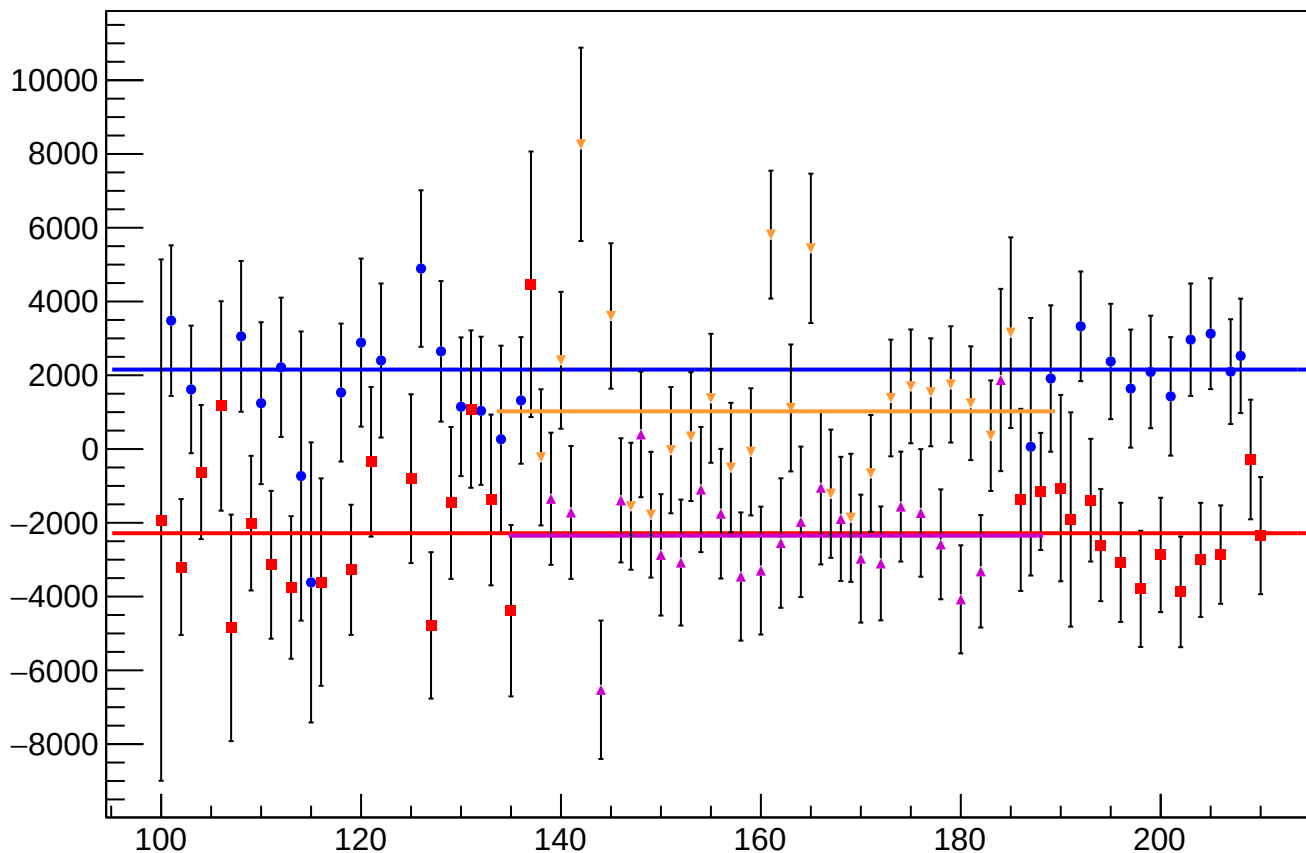
Left In: 5302.185 $\pm$ 0.894 χ^2/NDF : 1256309.3/22

+ sign 4488.069 $\pm$ 0.562 χ^2/NDF : 4469348.2/50

All: 4295.125 $\pm$ 0.383 χ^2/NDF : 13938140.5/100

- sign 4129.032 $\pm$ 0.522 χ^2/NDF : 9249823.8/54

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2154.444 $\pm$ 356.761 χ^2 /NDF: 9.2/26

Left Out: 1022.634 $\pm$ 353.459 χ^2 /NDF:36.4/23

Right Out: -2282.763 $\pm$ 338.325 χ^2 /NDF: 20.2/31

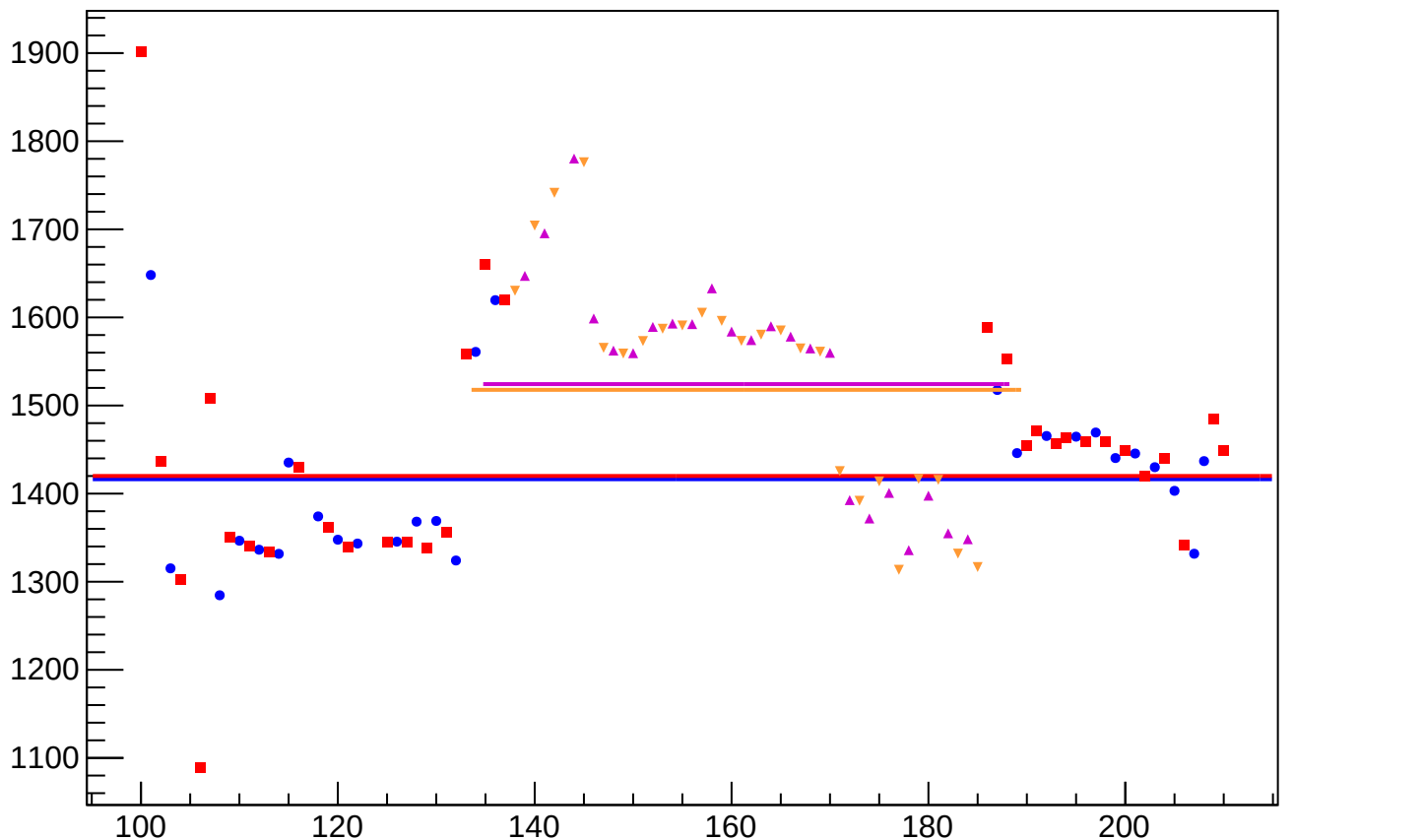
Left In: -2349.186 $\pm$ 357.068 χ^2 /NDF:16.0/22

+ sign 1583.276 $\pm$ 251.093 χ^2 /NDF: 50.7/50

All: -408.621 $\pm$ 175.572 χ^2 /NDF: 210.0/105

- sign -2314.185 $\pm$ 245.591 χ^2 /NDF: 36.2/54

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.357 $\pm$ 0.252 χ^2 /NDF: 113671.5/26

Left Out: 1517.815 $\pm$ 0.250 χ^2 /NDF: 233957.9/23

Right Out: 1420.016 $\pm$ 0.238 χ^2 /NDF: 169782.8/31

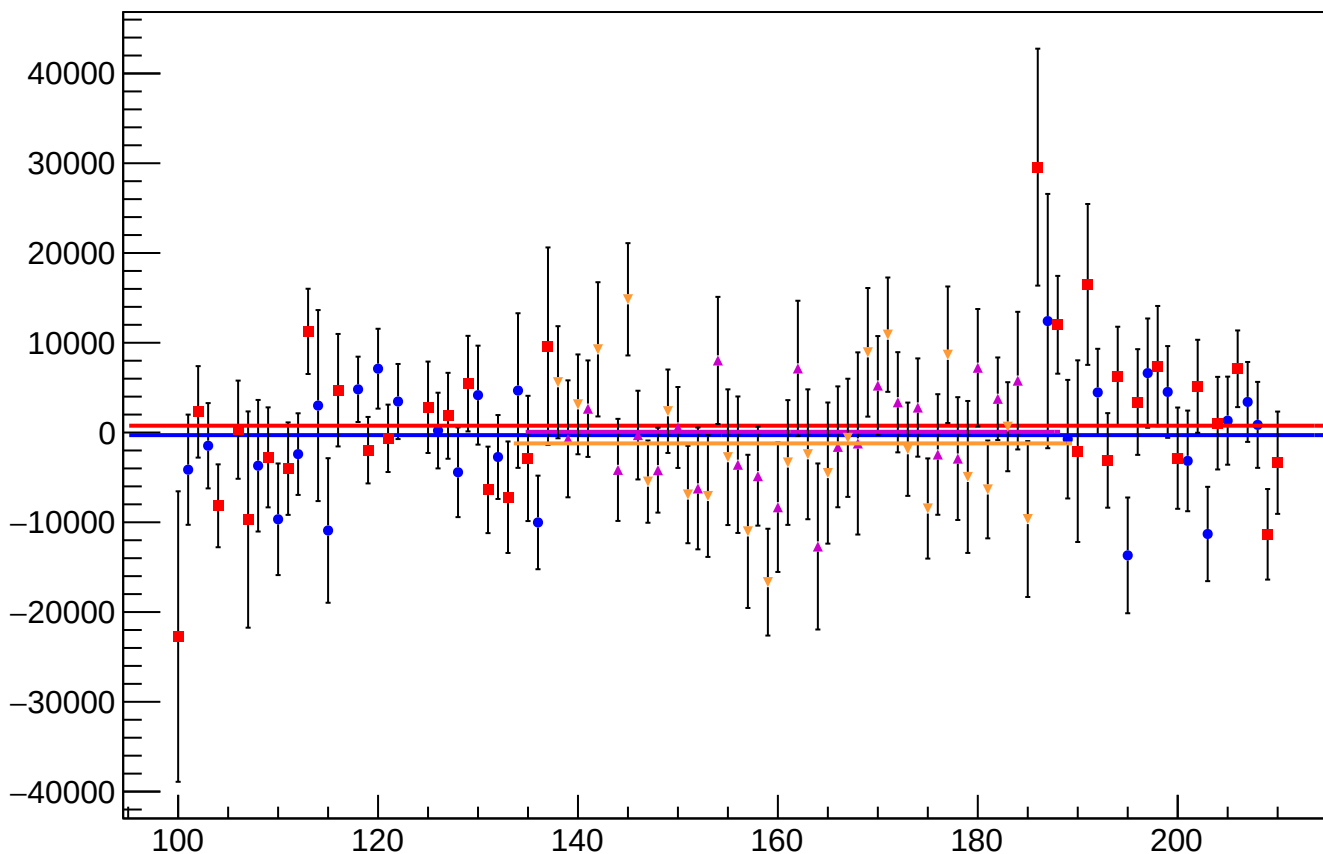
Left In: 1524.314 $\pm$ 0.252 χ^2 /NDF: 224321.2/22

+ sign 1467.558 $\pm$ 0.178 χ^2 /NDF: 429257.6/50

All: 1468.327 $\pm$ 0.124 χ^2 /NDF: 913800.5/105

- sign 1469.059 $\pm$ 0.173 χ^2 /NDF: 484506.3/54

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -290.836 ± 1020.777 χ^2/NDF : 29.7/26

Left Out: -1211.889 ± 1268.316 χ^2/NDF : 33.2/23

Right Out: 760.900 ± 979.831 χ^2/NDF : 44.2/31

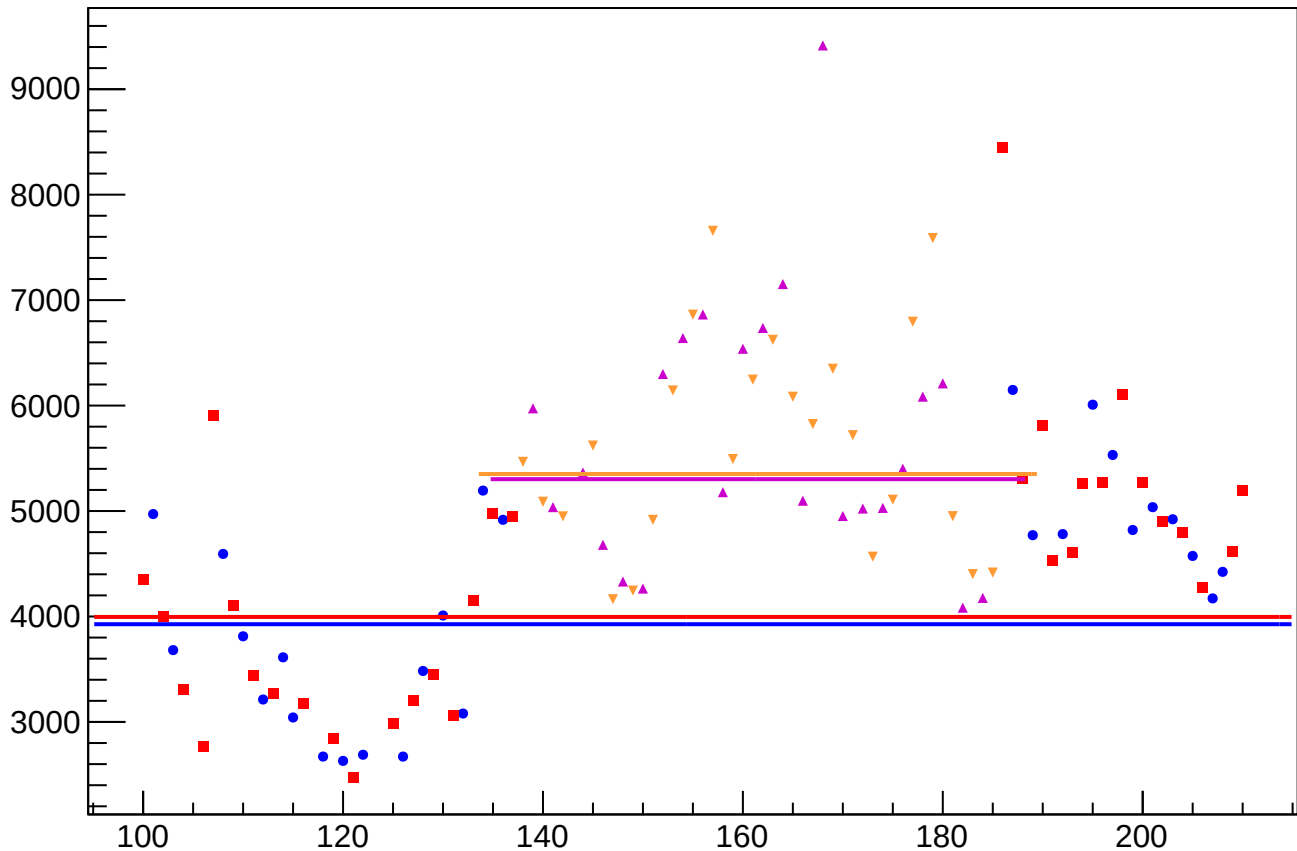
Left In: 80.689 ± 1264.325 χ^2/NDF : 13.2/22

+ sign -652.912 ± 795.216 χ^2/NDF : 63.3/50

All: -58.322 ± 554.826 χ^2/NDF : 122.0/105

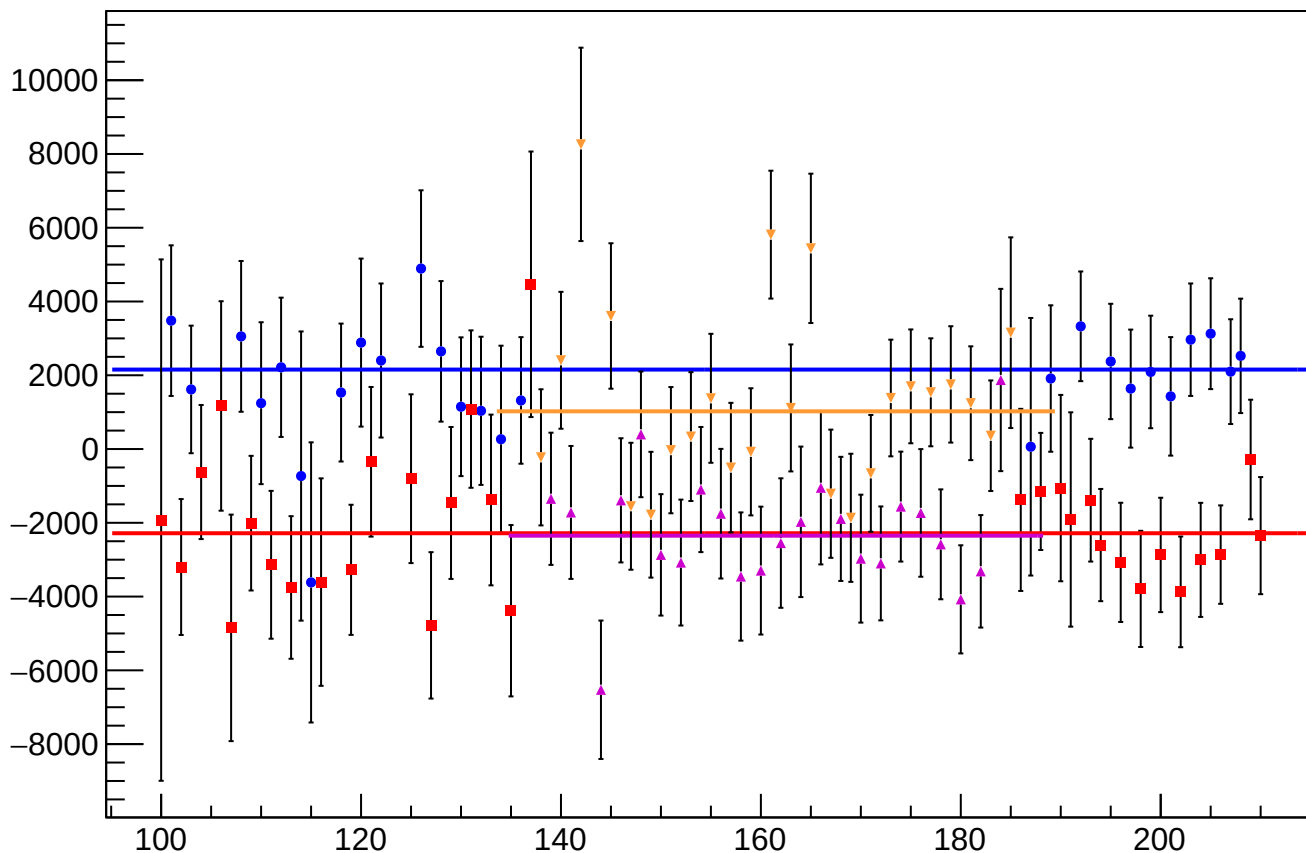
- sign 505.661 ± 774.479 χ^2/NDF : 57.6/54

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3926.729+/-0.722	χ^2/NDF : 1878118.1/26	+ sign 4486.678+/-0.562	χ^2/NDF : 4475066.7/50
Left Out: 5351.132+/-0.897	χ^2/NDF : 1066039.6/23	All: 4486.332+/-0.392	χ^2/NDF : 9353210.1/10
Right Out: 3995.810+/-0.693	χ^2/NDF : 2287806.1/31	- sign 4486.003+/-0.548	χ^2/NDF : 4878142.6/54
Left In: 5302.177+/-0.894	χ^2/NDF : 1256324.3/22		

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2154.444 $\pm$ 356.761 χ^2 /NDF: 9.2/26

Left Out: 1022.634 $\pm$ 353.459 χ^2 /NDF:36.4/23

Right Out: -2282.763 $\pm$ 338.325 χ^2 /NDF: 20.2/31

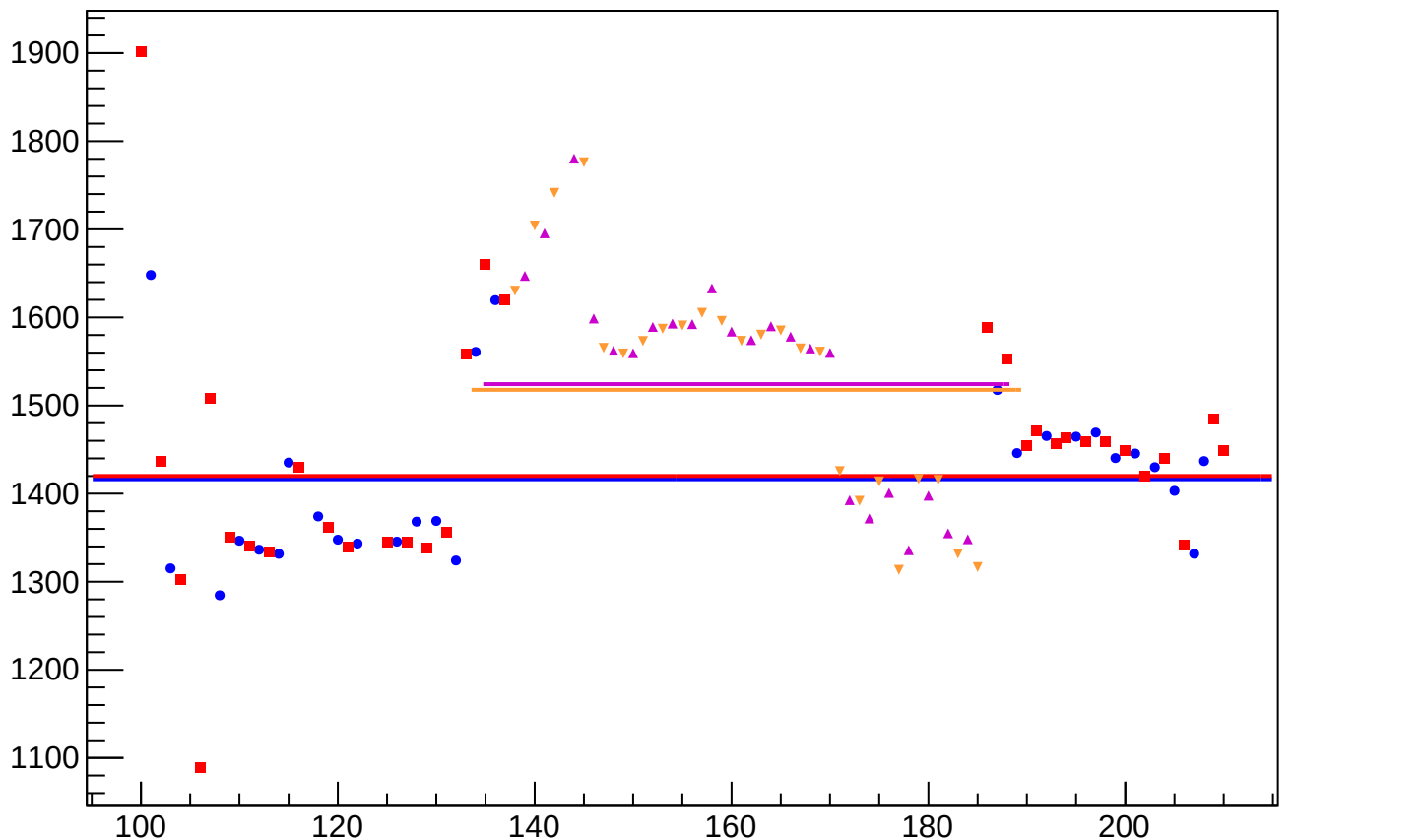
Left In: -2349.186 $\pm$ 357.068 χ^2 /NDF:16.0/22

+ sign 1583.276 $\pm$ 251.093 χ^2 /NDF: 50.7/50

All: -408.621 $\pm$ 175.572 χ^2 /NDF: 210.0/105

- sign -2314.185 $\pm$ 245.591 χ^2 /NDF: 36.2/54

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.357 $\pm$ 0.252 χ^2 /NDF: 113671.5/26

Left Out: 1517.815 $\pm$ 0.250 χ^2 /NDF: 233957.9/23

Right Out: 1420.016 $\pm$ 0.238 χ^2 /NDF: 169782.8/31

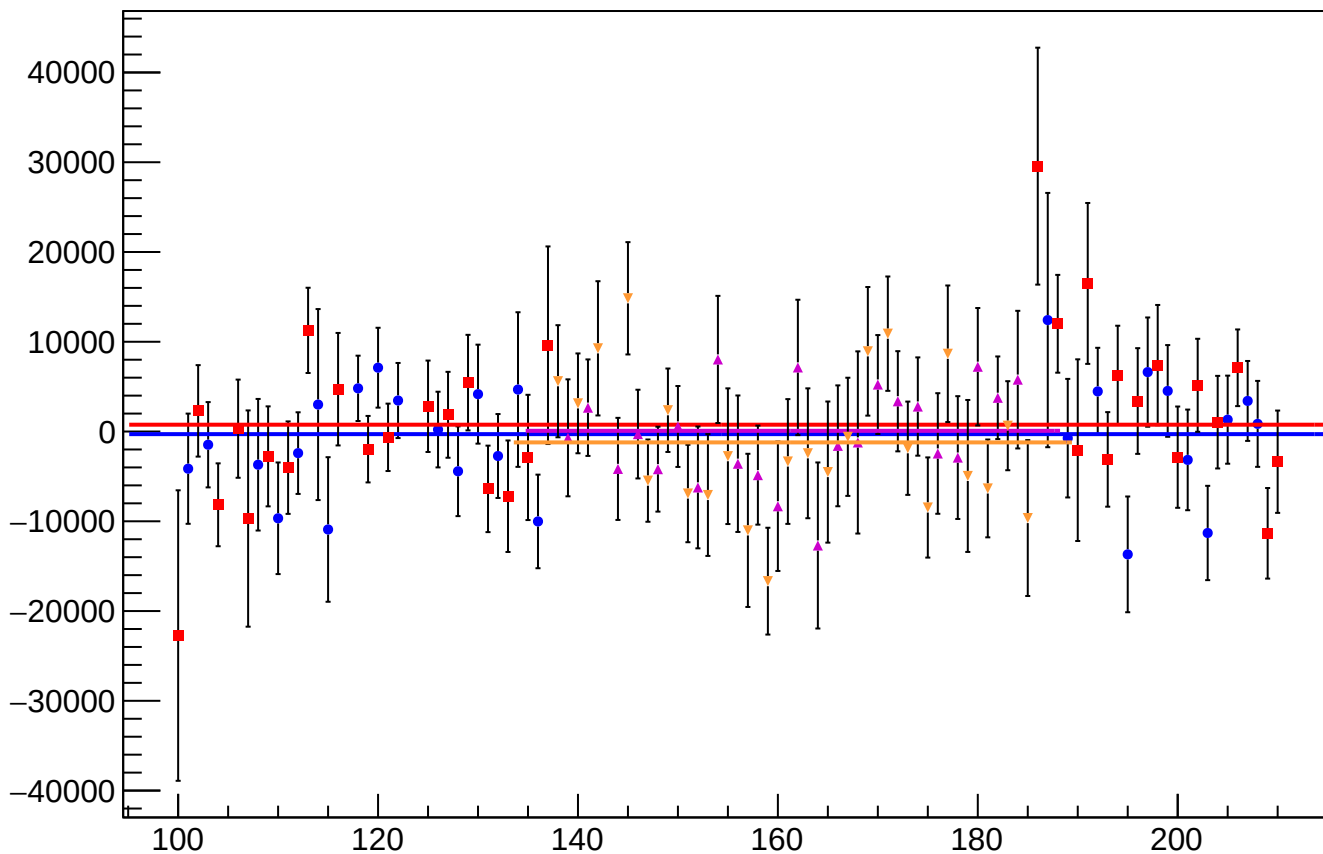
Left In: 1524.314 $\pm$ 0.252 χ^2 /NDF: 224321.2/22

+ sign 1467.558 $\pm$ 0.178 χ^2 /NDF: 429257.6/50

All: 1468.327 $\pm$ 0.124 χ^2 /NDF: 913800.5/105

- sign 1469.059 $\pm$ 0.173 χ^2 /NDF: 484506.3/54

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug



Right In: -290.836 ± 1020.777 χ^2/NDF : 29.7/26

Left Out: -1211.889 ± 1268.316 χ^2/NDF : 33.2/23

Right Out: 760.900 ± 979.831 χ^2/NDF : 44.2/31

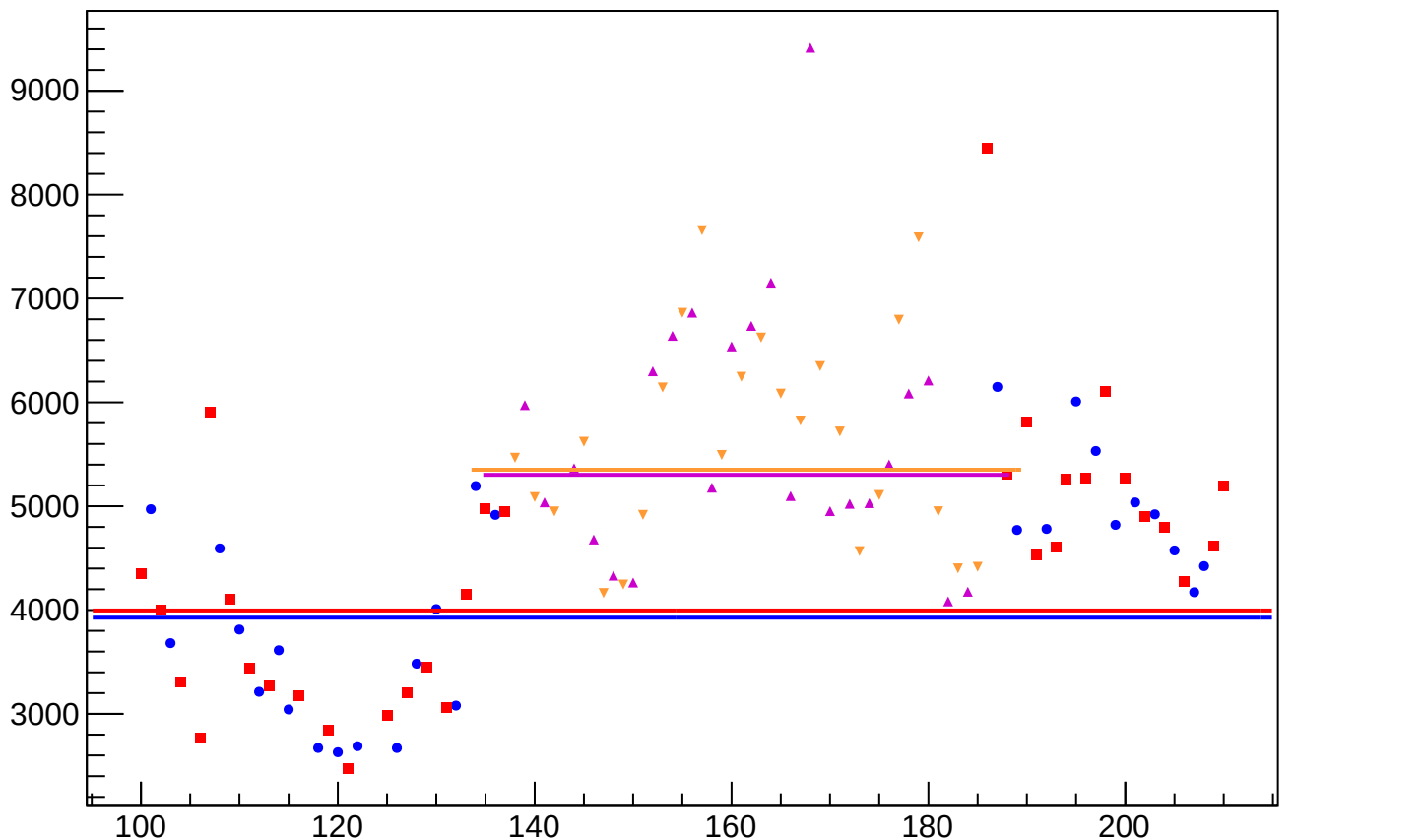
Left In: 80.689 ± 1264.325 χ^2/NDF : 13.2/22

+ sign -652.912 ± 795.216 χ^2/NDF : 63.3/50

All: -58.322 ± 554.826 χ^2/NDF : 122.0/105

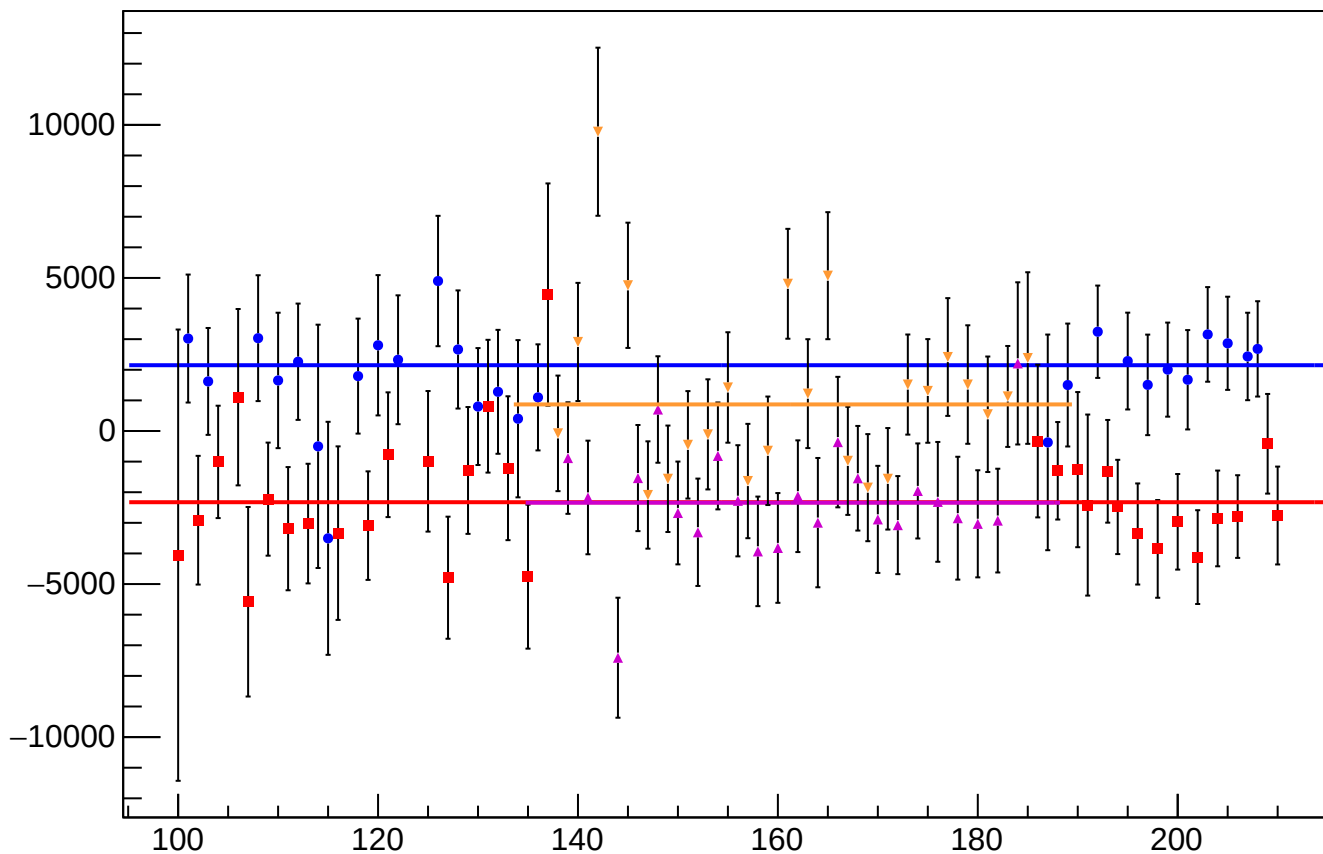
- sign 505.661 ± 774.479 χ^2/NDF : 57.6/54

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3926.729+/-0.722	χ^2/NDF : 1878118.1/26	+ sign 4486.678+/-0.562	χ^2/NDF : 4475066.7/50
Left Out: 5351.132+/-0.897	χ^2/NDF : 1066039.6/23		
Right Out: 3995.810+/-0.693	χ^2/NDF : 2287806.1/31	All: 4486.332+/-0.392	χ^2/NDF : 9353210.1/10
Left In: 5302.177+/-0.894	χ^2/NDF : 1256324.3/22	- sign 4486.003+/-0.548	χ^2/NDF : 4878142.6/54

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2148.956+/-360.514 χ^2/NDF : 8.7/26

Left Out: 868.415+/-377.179 χ^2/NDF :39.7/23

Right Out: -2326.286+/-342.995 χ^2/NDF : 19.5/31

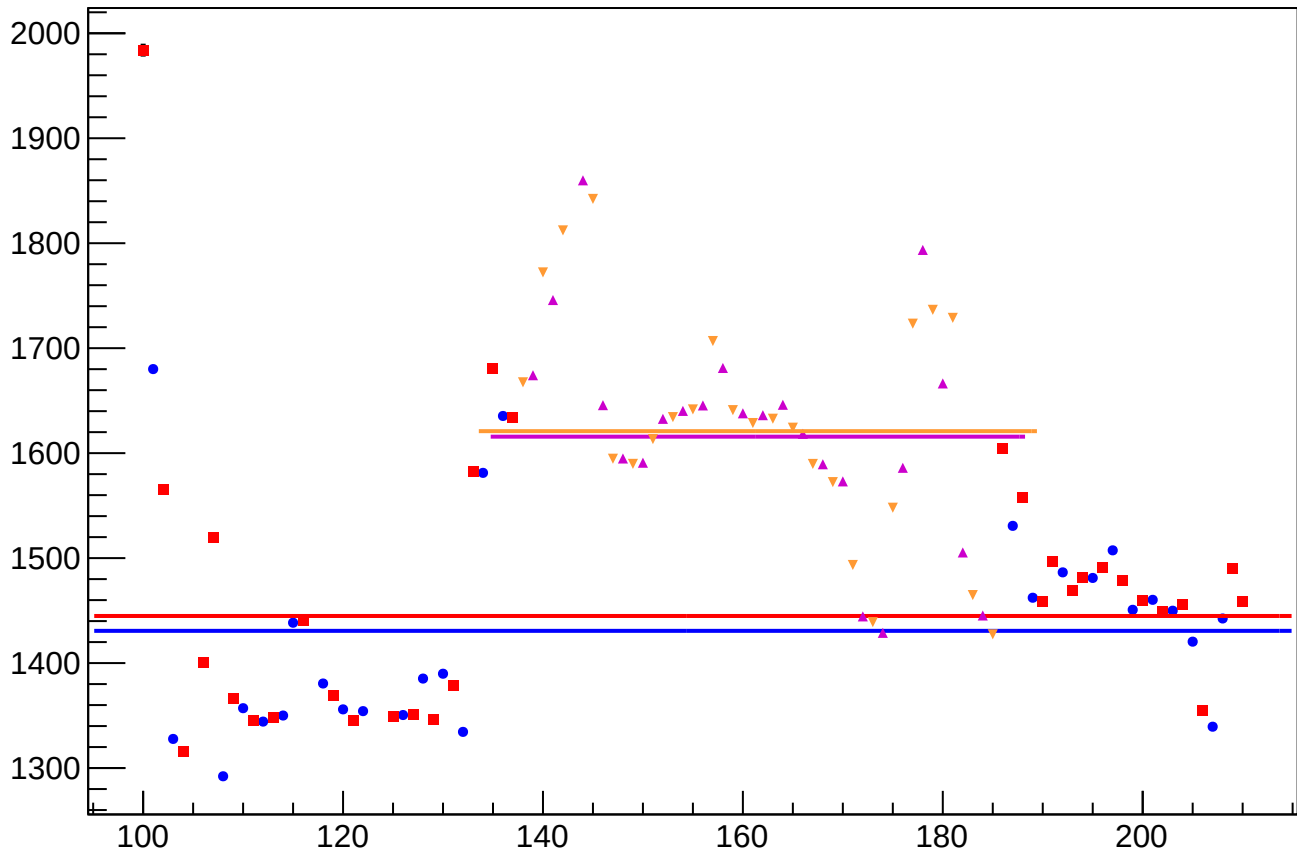
Left In: -2342.303+/-378.114 χ^2/NDF :18.0/22

+ sign 1537.599+/-260.614 χ^2/NDF : 54.5/50

All: -447.366+/-181.915 χ^2/NDF : 205.2/105

- sign -2333.516+/-254.045 χ^2/NDF : 37.5/54

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1430.709+/-0.255 χ^2/NDF : 122986.0/26

Left Out: 1620.945+/-0.267 χ^2/NDF : 141985.5/23

Right Out: 1444.874+/-0.242 χ^2/NDF : 131298.3/31

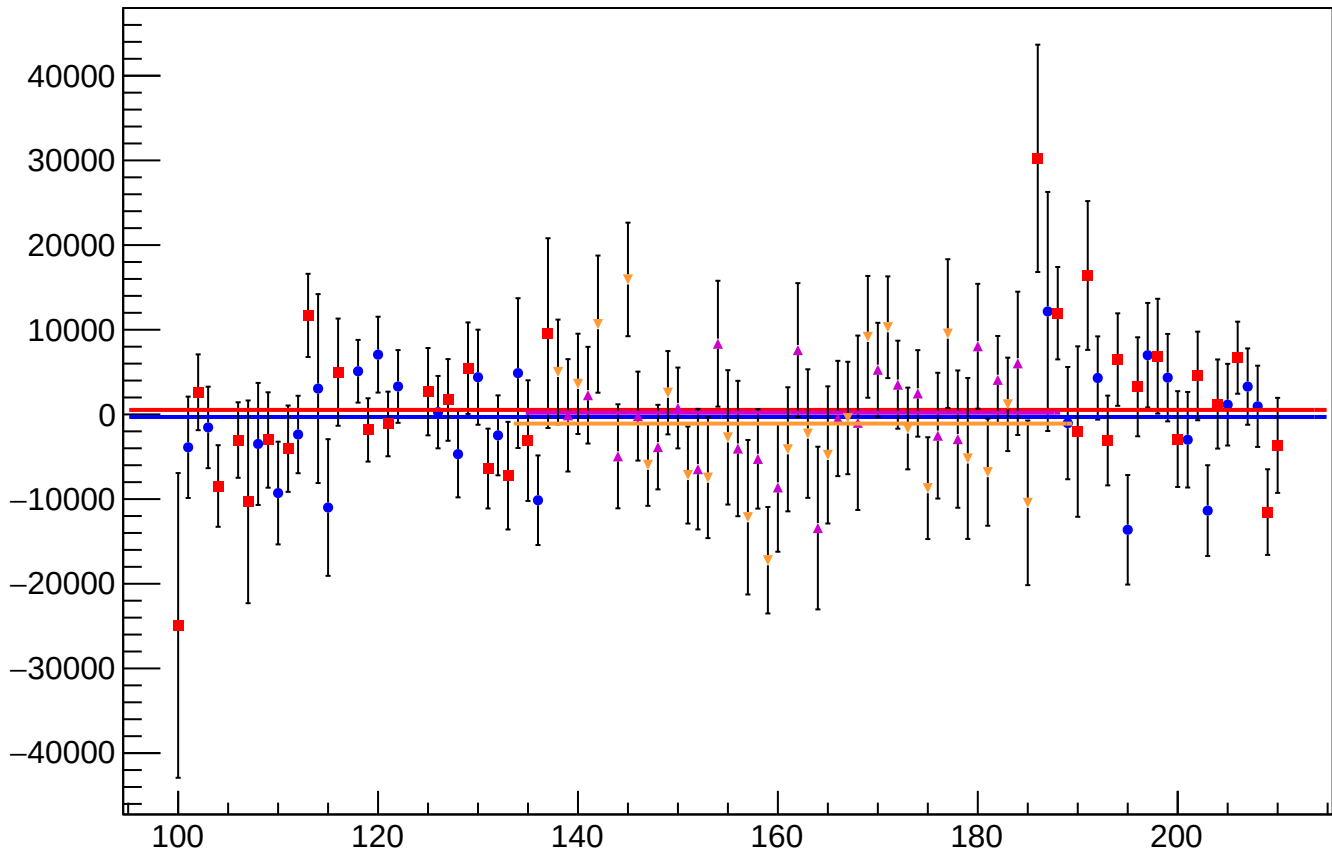
Left In: 1615.705+/-0.267 χ^2/NDF : 137139.2/22

+ sign 1521.531+/-0.184 χ^2/NDF : 530844.2/50

All: 1521.717+/-0.129 χ^2/NDF : 1023467.3/10

- sign 1521.894+/-0.180 χ^2/NDF : 492621.1/54

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -302.679 ± 1029.977 χ^2/NDF : 29.3/26

Left Out: -1082.232 ± 1332.403 χ^2/NDF : 32.9/23

Right Out: 532.687 ± 973.984 χ^2/NDF : 44.9/31

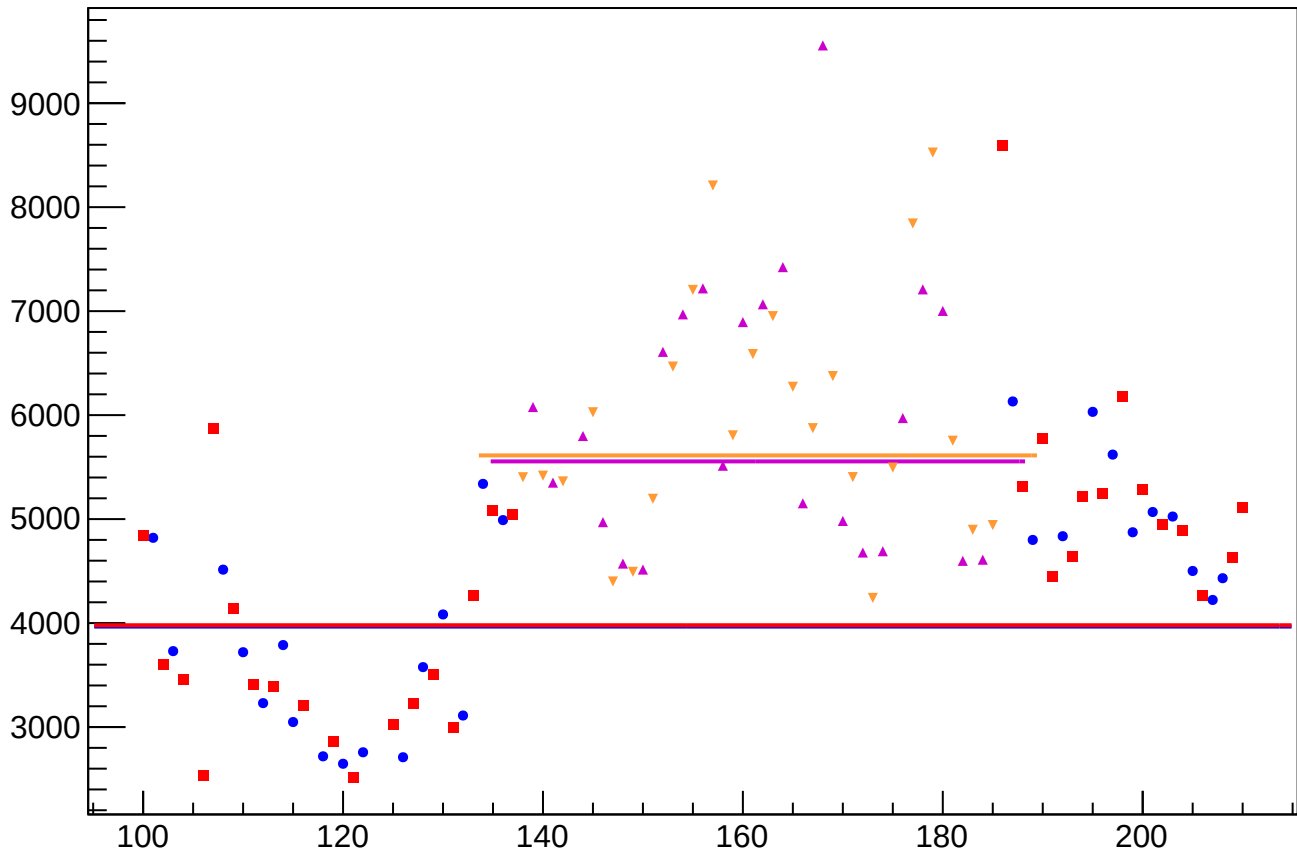
Left In: 201.662 ± 1326.173 χ^2/NDF : 12.9/22

+ sign -594.268 ± 814.889 χ^2/NDF : 62.4/50

All: -69.914 ± 565.355 χ^2/NDF : 121.0/105

- sign 416.699 ± 785.014 χ^2/NDF : 57.8/54

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3966.480+/-0.728 χ^2/NDF : 1825964.0/26

Left Out: 5612.730+/-0.942 χ^2/NDF : 1188118.0/23

Right Out: 3979.213+/-0.689 χ^2/NDF : 2370282.5/31

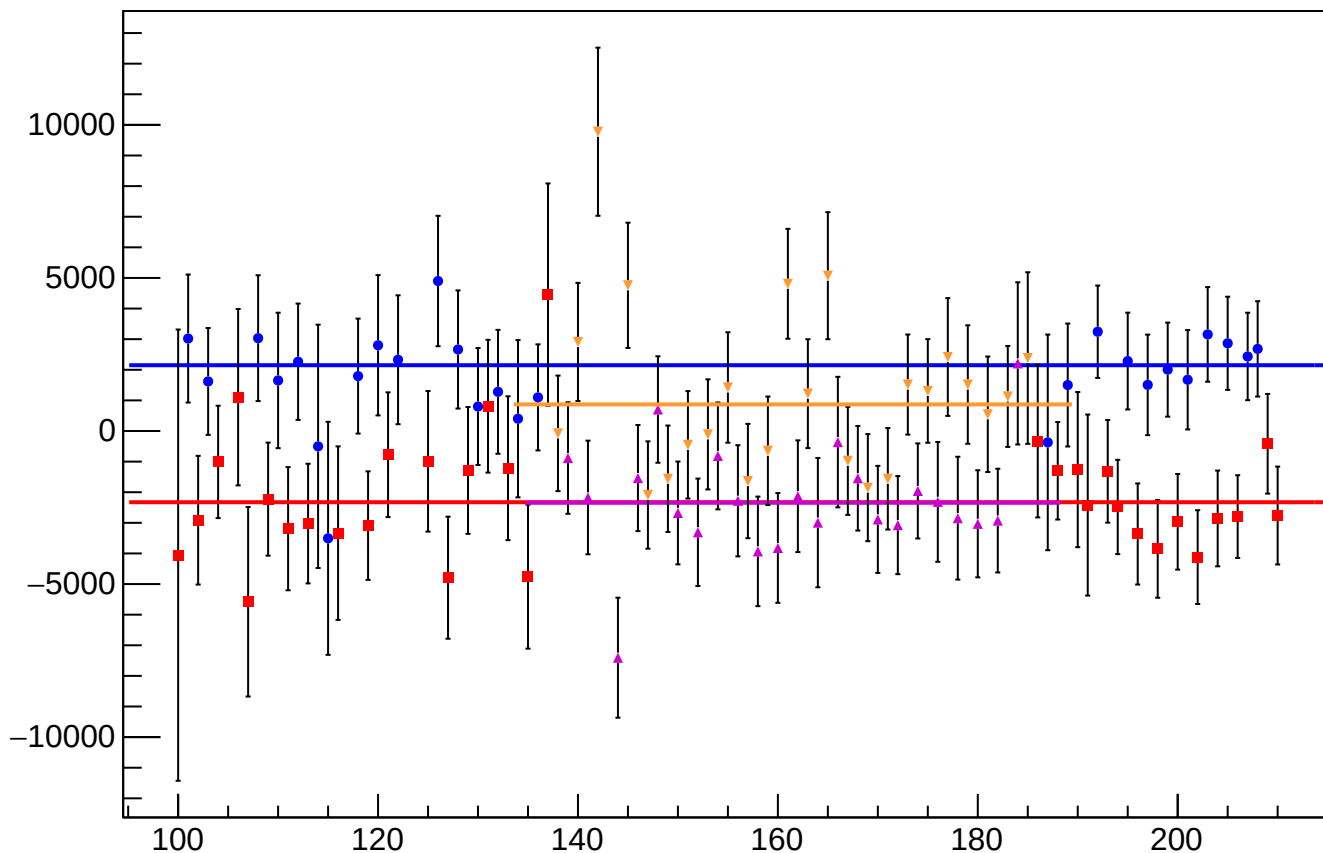
Left In: 5554.927+/-0.938 χ^2/NDF : 1332970.4/22

+ sign 4582.255+/-0.576 χ^2/NDF : 4925221.9/50

All: 4555.842+/-0.400 χ^2/NDF : 10466677.0/100

- sign 4531.331+/-0.555 χ^2/NDF : 5537404.1/54

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2148.956+/-360.514 χ^2/NDF : 8.7/26

Left Out: 868.410+/-377.180 χ^2/NDF : 39.7/23

Right Out: -2326.283+/-342.995 χ^2/NDF : 19.5/31

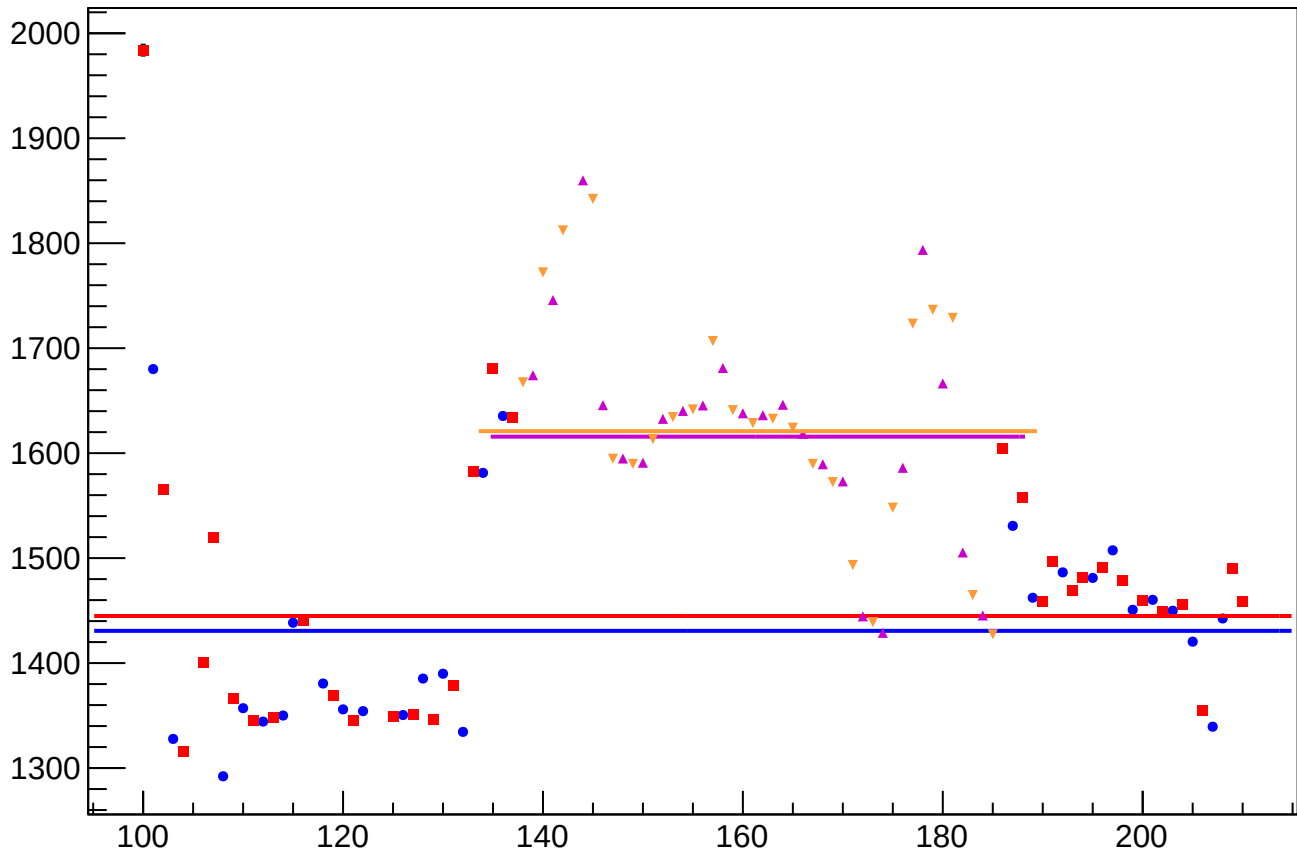
Left In: -2342.303+/-378.114 χ^2/NDF : 18.0/22

+ sign 1537.597+/-260.615 χ^2/NDF : 54.5/50

All: -447.367+/-181.915 χ^2/NDF : 205.2/105

- sign -2333.515+/-254.045 χ^2/NDF : 37.5/54

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1430.709 $\pm$ 0.255 χ^2 /NDF: 122985.9/26

Left Out: 1620.946 $\pm$ 0.267 χ^2 /NDF: 141990.3/23

Right Out: 1444.874 $\pm$ 0.242 χ^2 /NDF: 131298.5/31

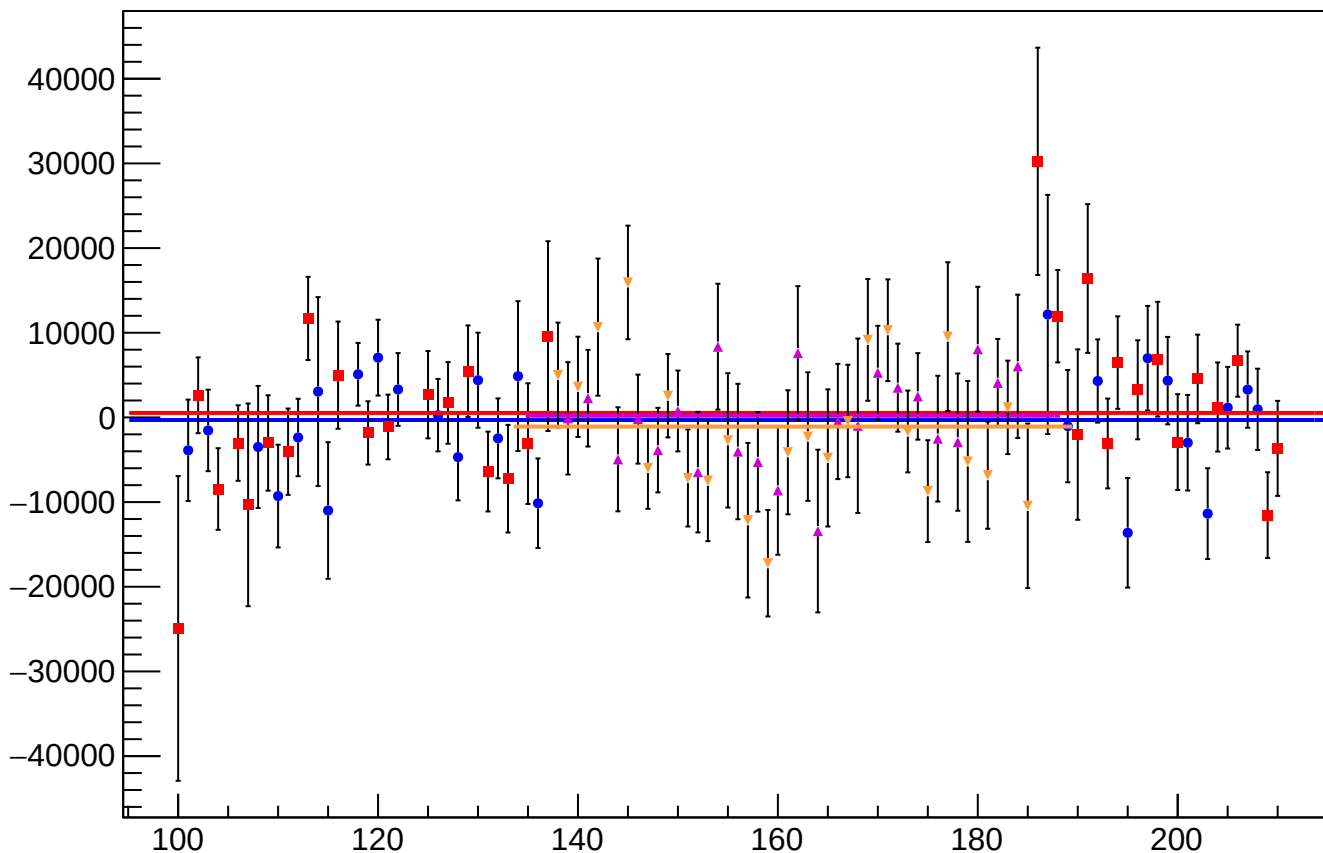
Left In: 1615.706 $\pm$ 0.267 χ^2 /NDF: 137144.0/22

+ sign 1521.532 $\pm$ 0.184 χ^2 /NDF: 530852.1/50

All: 1521.718 $\pm$ 0.129 χ^2 /NDF: 1023483.4/10

- sign 1521.894 $\pm$ 0.180 χ^2 /NDF: 492629.4/54

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug



Right In: -302.674 ± 1029.976 χ^2/NDF : 29.3/26

Left Out: -1082.239 ± 1332.405 χ^2/NDF : 32.9/23

Right Out: 532.681 ± 973.983 χ^2/NDF : 44.9/31

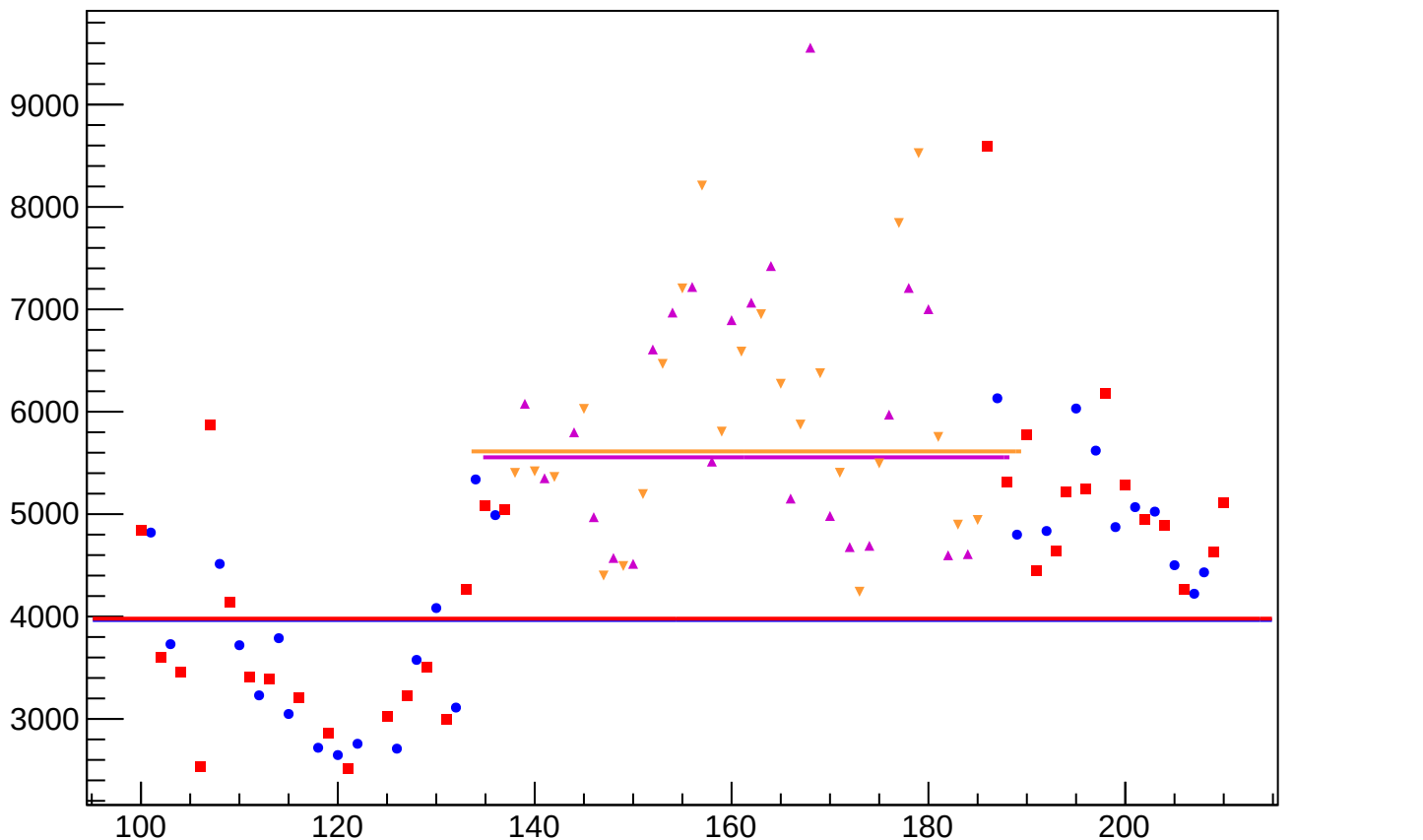
Left In: 201.663 ± 1326.175 χ^2/NDF : 12.9/22

+ sign -594.267 ± 814.889 χ^2/NDF : 62.4/50

All: -69.915 ± 565.355 χ^2/NDF : 121.0/105

- sign 416.695 ± 785.014 χ^2/NDF : 57.8/54

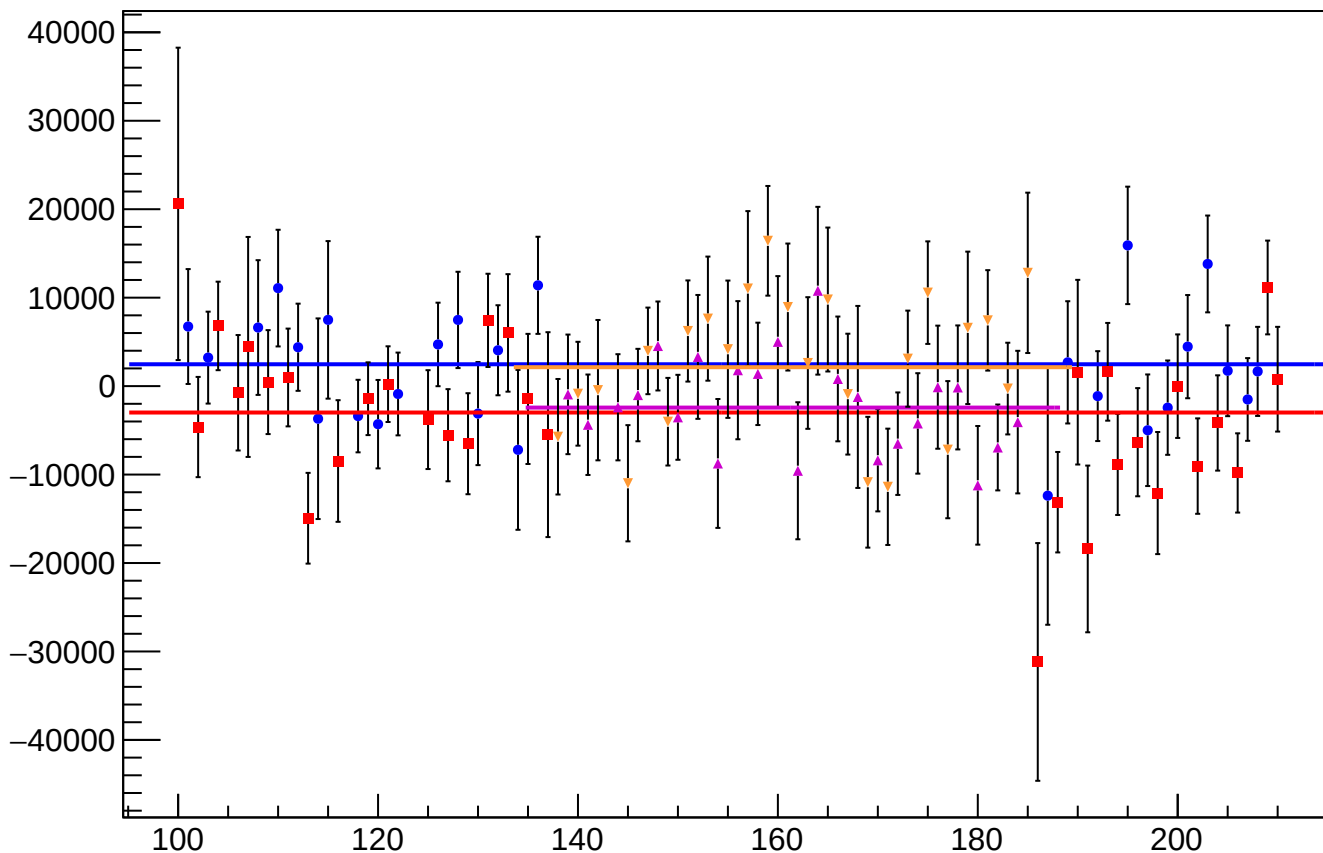
asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3966.474 ± 0.728 $\chi^2/\text{NDF}: 1825998.9/26$
 Left Out: 5612.739 ± 0.942 $\chi^2/\text{NDF}: 1188118.8/23$
 Right Out: 3979.207 ± 0.689 $\chi^2/\text{NDF}: 2370315.0/31$
 Left In: 5554.935 ± 0.938 $\chi^2/\text{NDF}: 1332972.0/22$

+ sign 4582.252 ± 0.576 $\chi^2/\text{NDF}: 4925290.0/50$
 All: 4555.839 ± 0.400 $\chi^2/\text{NDF}: 10466810.9/100$
 - sign 4531.328 ± 0.555 $\chi^2/\text{NDF}: 5537469.8/54$

asym_usl_atl2_avg_mean vs Slug



Right In: 2470.290 $\pm$ 1095.613 χ^2 /NDF: 26.6/26

Left Out: 2138.140 $\pm$ 1324.387 χ^2 /NDF:30.7/23

Right Out: -2986.047 $\pm$ 1052.351 χ^2 /NDF: 45.9/31

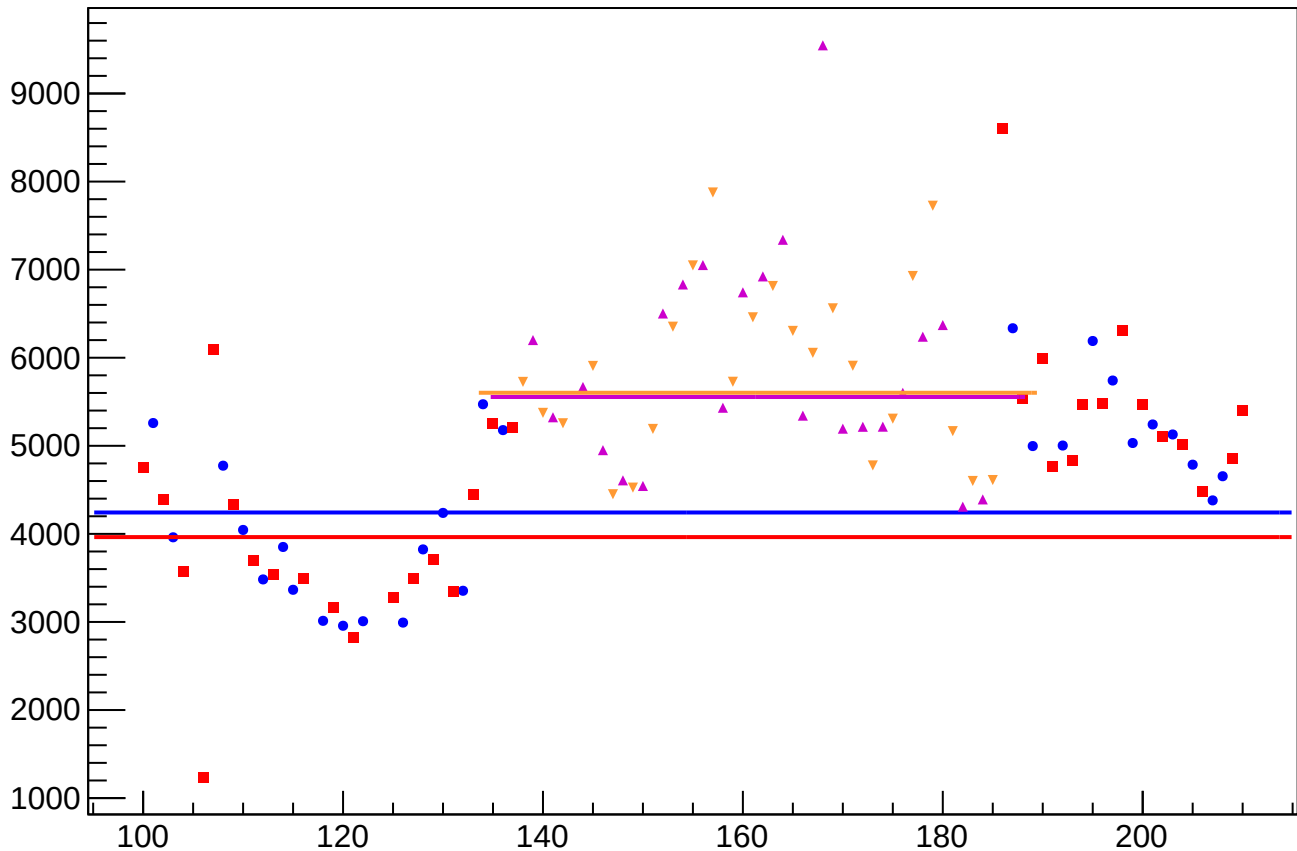
Left In: -2428.059 $\pm$ 1321.080 χ^2 /NDF:12.9/22

+ sign 2335.337 $\pm$ 844.189 χ^2 /NDF: 57.3/50

All: -281.551 $\pm$ 589.341 χ^2 /NDF: 134.9/105

- sign -2769.431 $\pm$ 823.118 χ^2 /NDF: 58.9/54

asym_usl_atl2_avg_rms vs Slug



Right In: 4242.819+/-0.775 χ^2/NDF : 1482266.4/26

Left Out: 5602.266+/-0.936 χ^2/NDF : 940451.0/23

Right Out: 3963.498+/-0.706 χ^2/NDF : 3882217.7/31

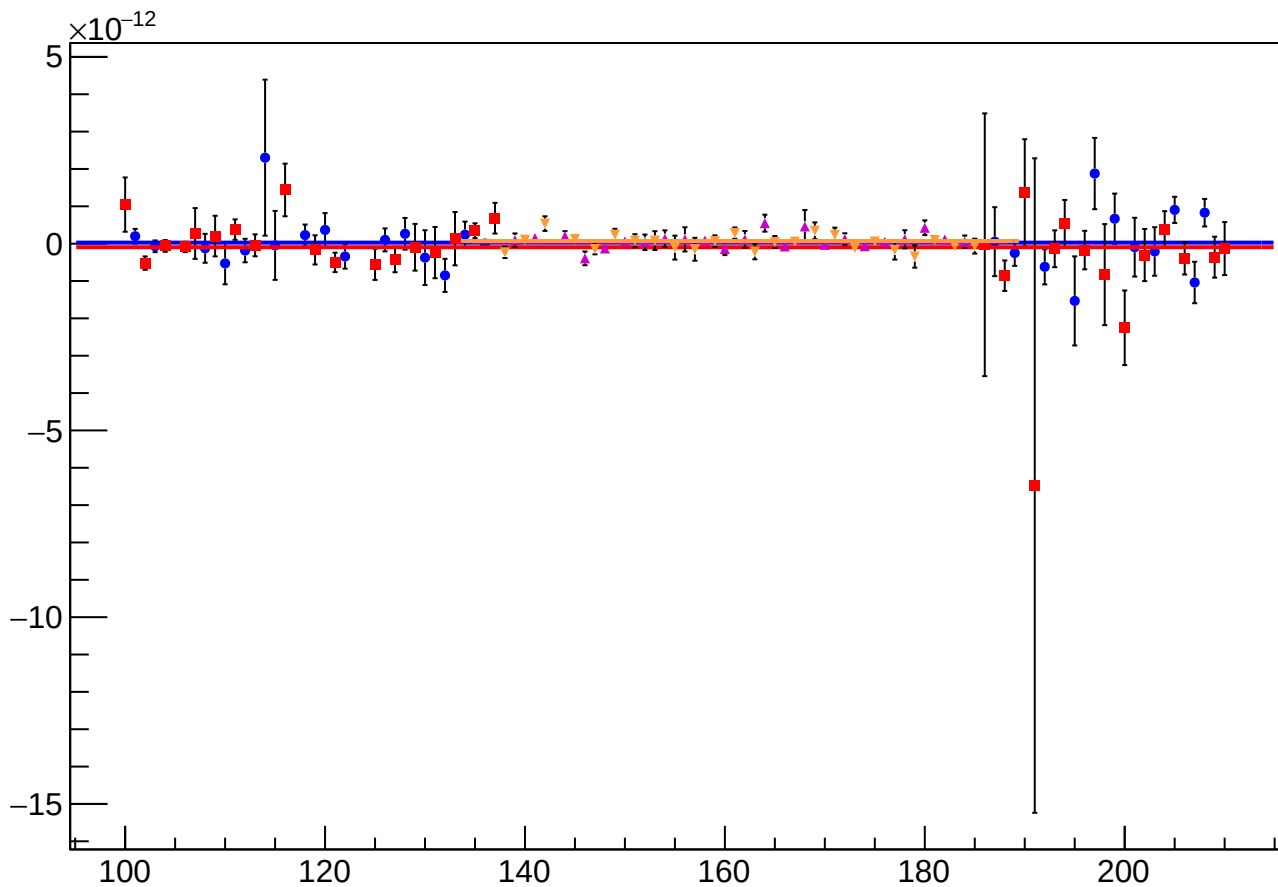
Left In: 5554.054+/-0.934 χ^2/NDF : 1112177.4/22

+ sign 4795.165+/-0.597 χ^2/NDF : 3673812.6/50

All: 4661.024+/-0.410 χ^2/NDF : 10609041.4/100

- sign 4541.621+/-0.563 χ^2/NDF : 6839781.1/54

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:28.3/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.4/31

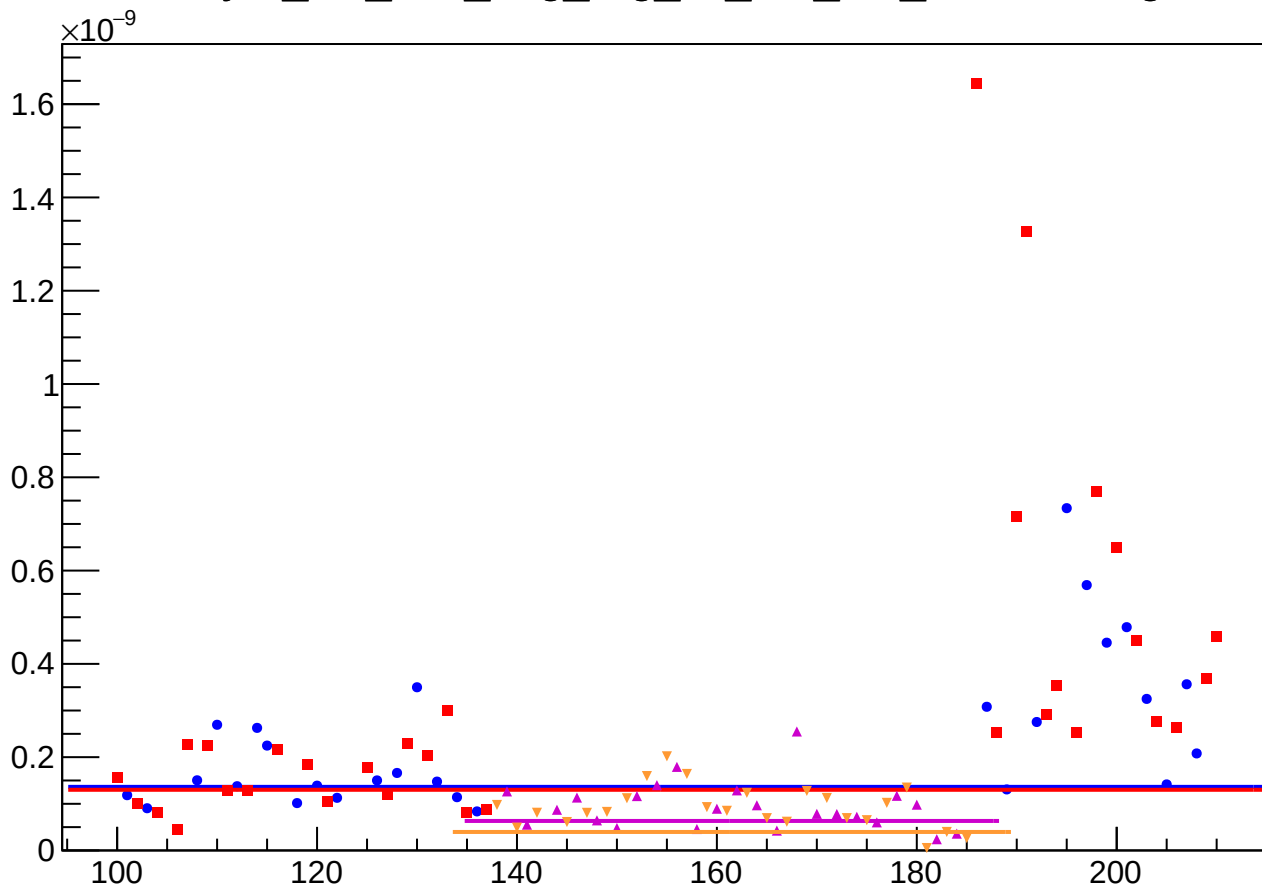
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:25.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 63.7/50

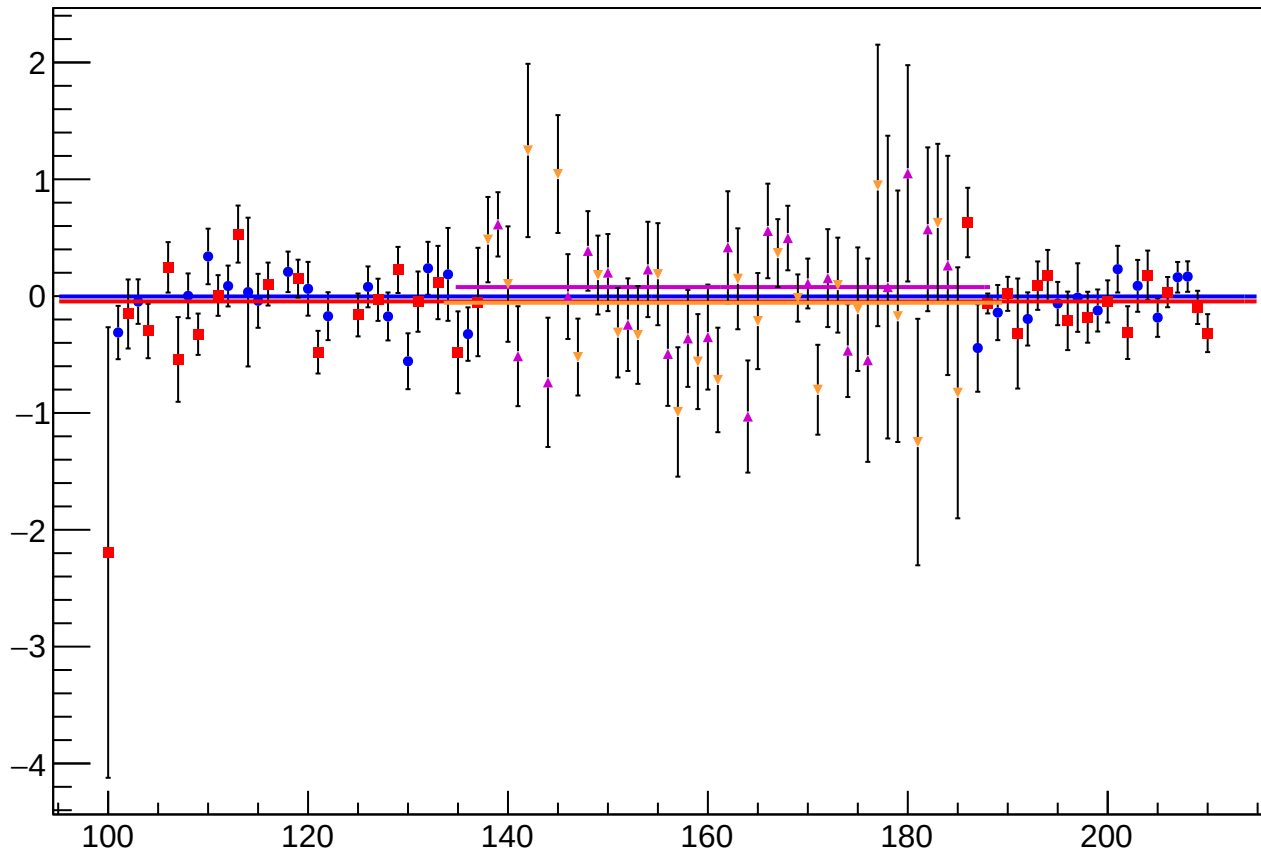
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 137.8/105

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 72.8/54

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.039 χ^2/NDF : 25.1/26

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.045 ± 0.034 χ^2/NDF : 40.1/31

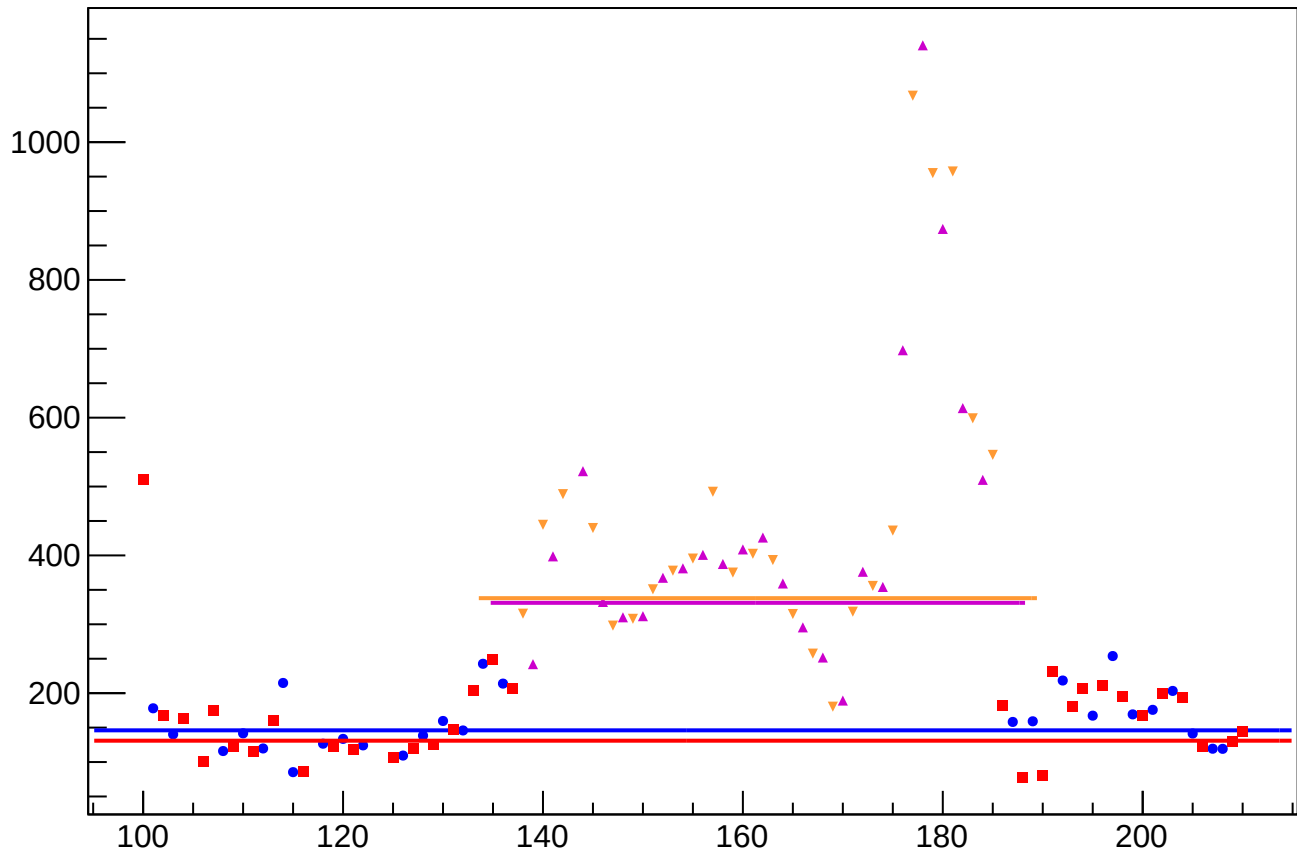
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.012 ± 0.036 χ^2/NDF : 55.8/50

All: -0.021 ± 0.024 χ^2/NDF : 124.9/105

- sign -0.028 ± 0.031 χ^2/NDF : 69.0/54

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.037 $\pm$ 0.028 χ^2 /NDF: 1629441.5/26

Left Out: 337.937 $\pm$ 0.060 χ^2 /NDF: 4517129.8/23

Right Out: 130.994 $\pm$ 0.024 χ^2 /NDF: 3221232.2/31

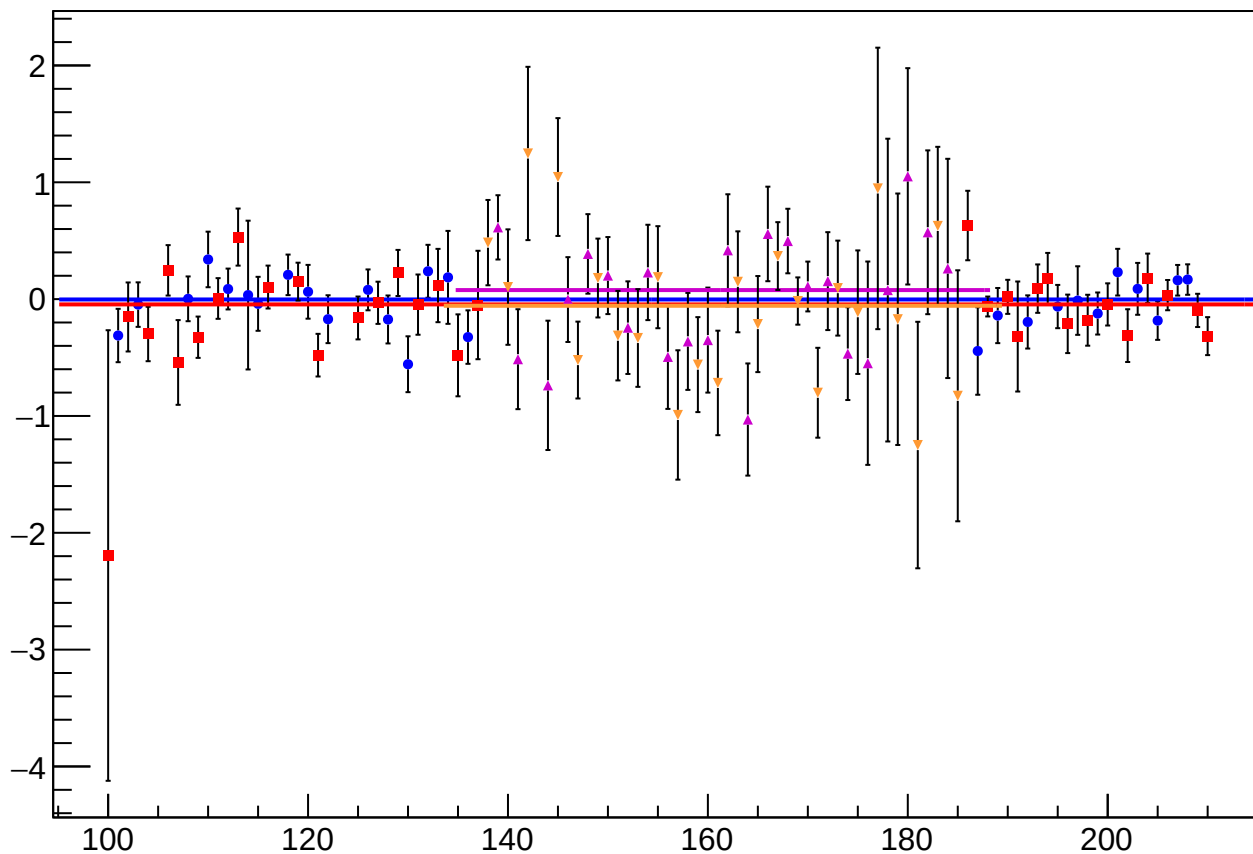
Left In: 331.158 $\pm$ 0.059 χ^2 /NDF: 4106959.8/22

+ sign 179.191 $\pm$ 0.025 χ^2 /NDF: 14488804.2/50

All: 168.187 $\pm$ 0.017 χ^2 /NDF: 32034400.0/10

- sign 159.534 $\pm$ 0.022 χ^2 /NDF: 17202747.8/54

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.039 χ^2/NDF : 25.1/26

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.045 ± 0.034 χ^2/NDF : 40.1/31

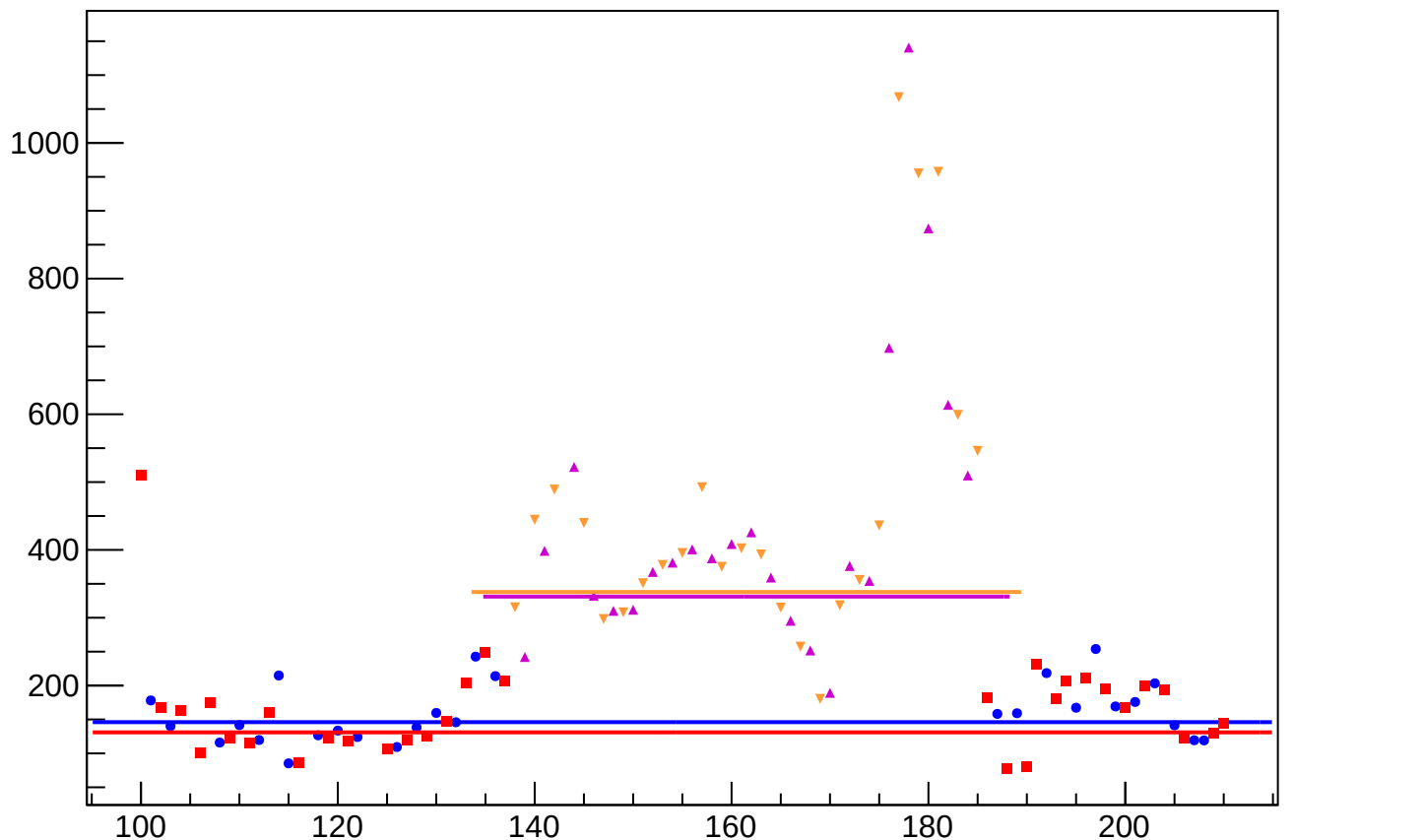
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.012 ± 0.036 χ^2/NDF : 55.8/50

All: -0.021 ± 0.024 χ^2/NDF : 124.9/105

- sign -0.028 ± 0.031 χ^2/NDF : 69.0/54

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.037 ± 0.028 $\chi^2/\text{NDF}: 1629441.5/26$

Left Out: 337.937 ± 0.060 $\chi^2/\text{NDF}: 4517129.8/23$

Right Out: 130.994 ± 0.024 $\chi^2/\text{NDF}: 3221232.2/31$

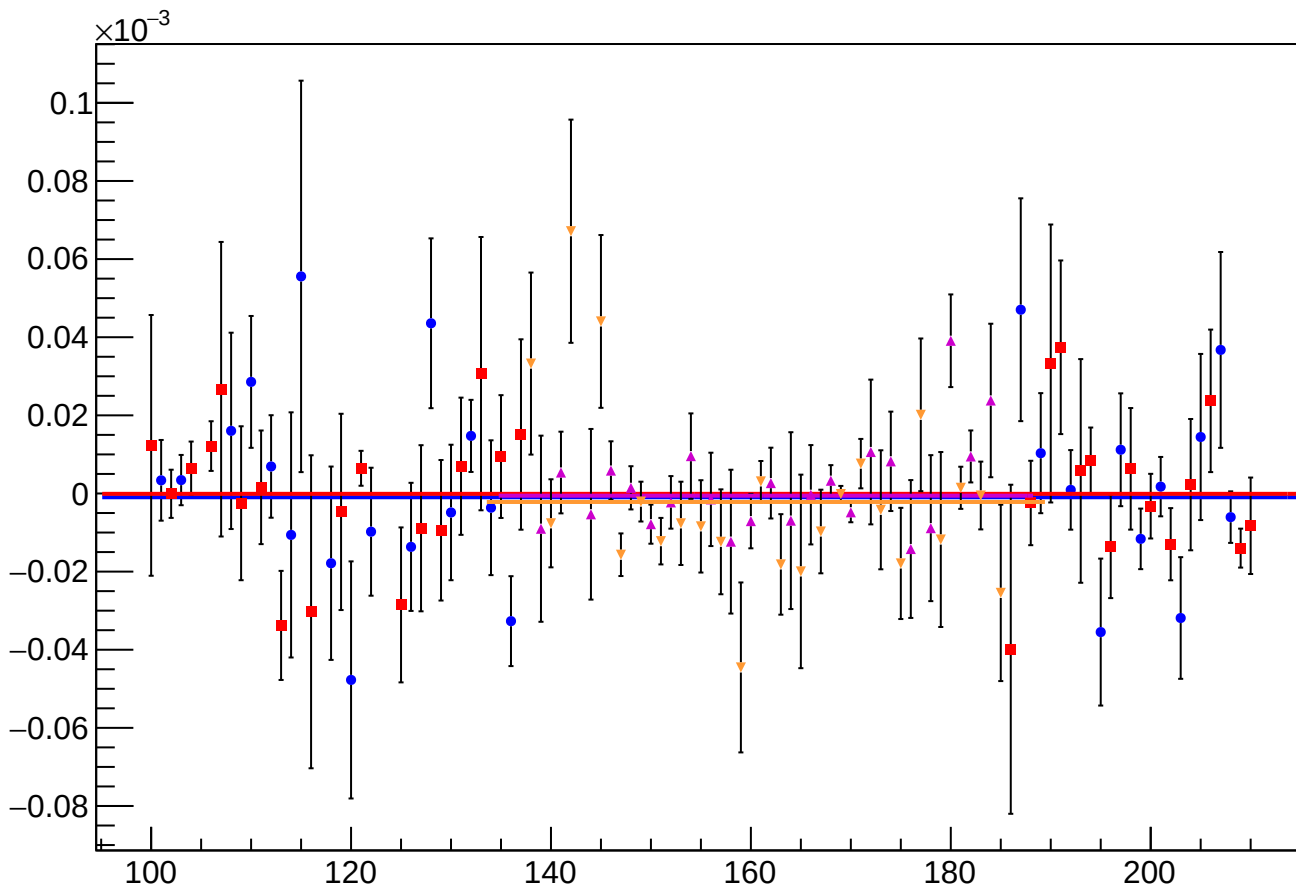
Left In: 331.158 ± 0.059 $\chi^2/\text{NDF}: 4106959.8/22$

+ sign 179.191 ± 0.025 $\chi^2/\text{NDF}: 14488804.2/50$

All: 168.187 ± 0.017 $\chi^2/\text{NDF}: 32034400.0/10$

- sign 159.534 ± 0.022 $\chi^2/\text{NDF}: 17202747.8/54$

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 41.2/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.9/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.0/31

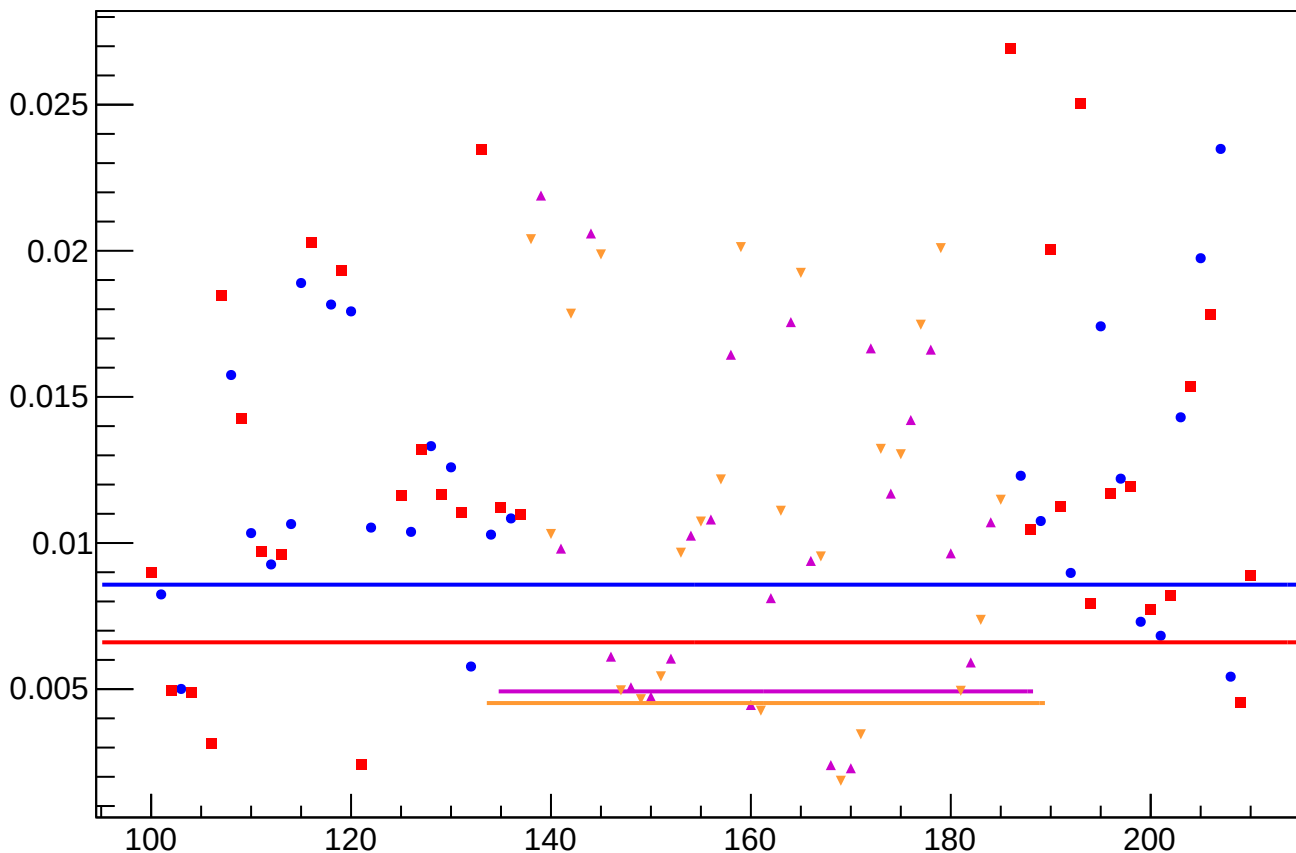
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 79.3/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 143.3/105

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 63.2/54

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 4718557.0/26

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF :14239550.6/23

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 9666477.9/31

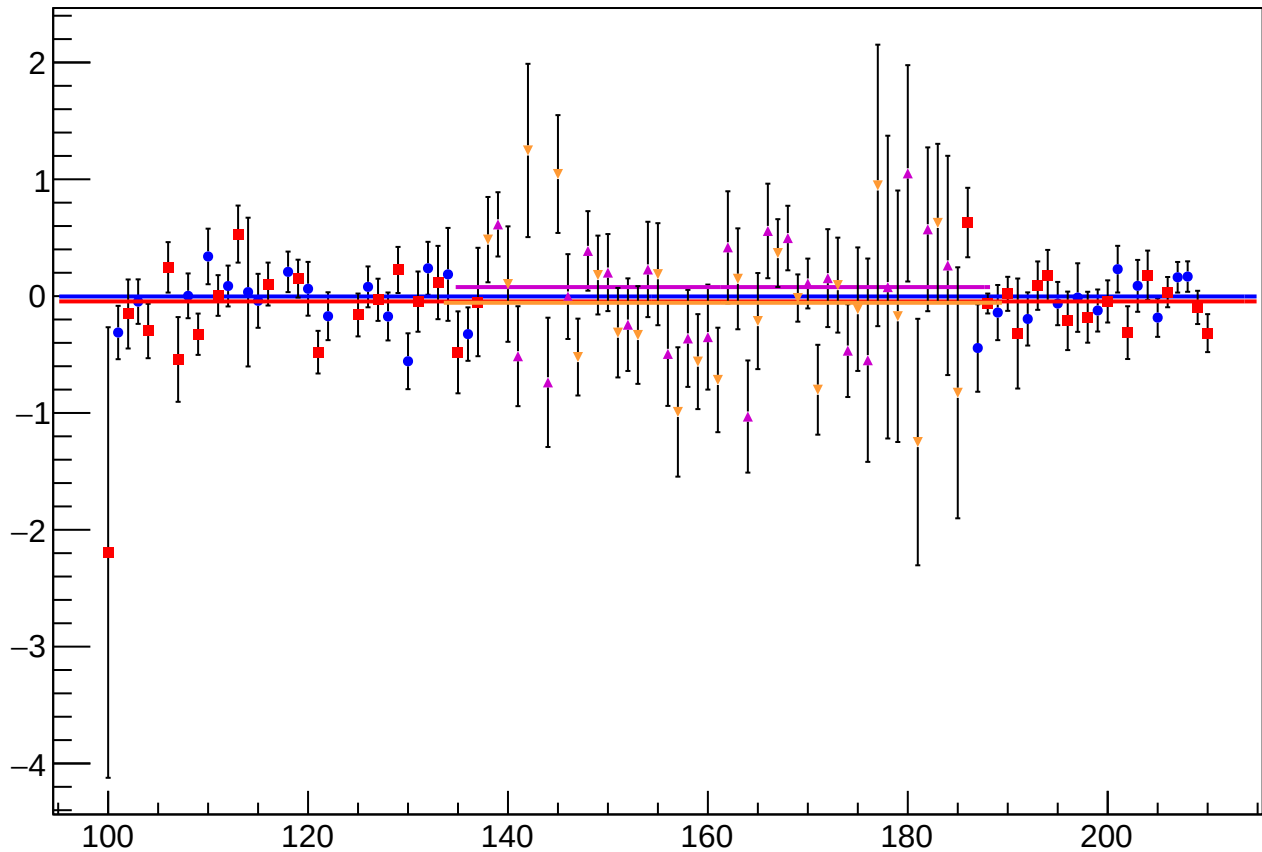
Left In: 0.005 $\pm$ 0.000 χ^2/NDF :11626984.8/22

+ sign 0.006 $\pm$ 0.000 χ^2/NDF : 23173610.0/50

All: 0.006 $\pm$ 0.000 χ^2/NDF : 45424519.6/105

- sign 0.006 $\pm$ 0.000 χ^2/NDF : 22250780.7/54

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.039 χ^2/NDF : 25.1/26

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.045 ± 0.034 χ^2/NDF : 40.1/31

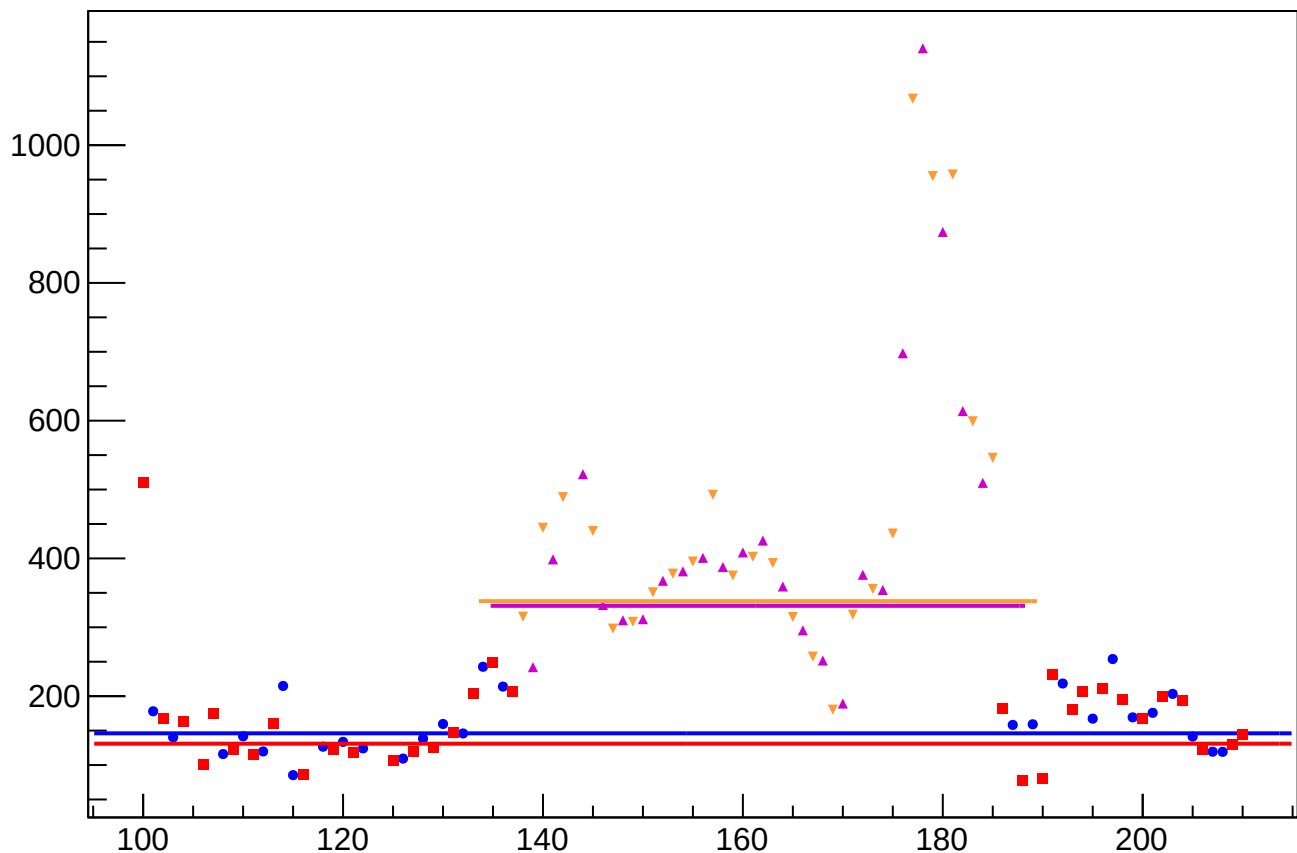
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.012 ± 0.036 χ^2/NDF : 55.8/50

All: -0.021 ± 0.024 χ^2/NDF : 124.9/105

- sign -0.028 ± 0.031 χ^2/NDF : 69.0/54

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.037 $\pm$ 0.028 χ^2 /NDF: 1629419.8/26

Left Out: 337.939 $\pm$ 0.060 χ^2 /NDF: 4517201.8/23

Right Out: 130.992 $\pm$ 0.024 χ^2 /NDF: 3221395.4/31

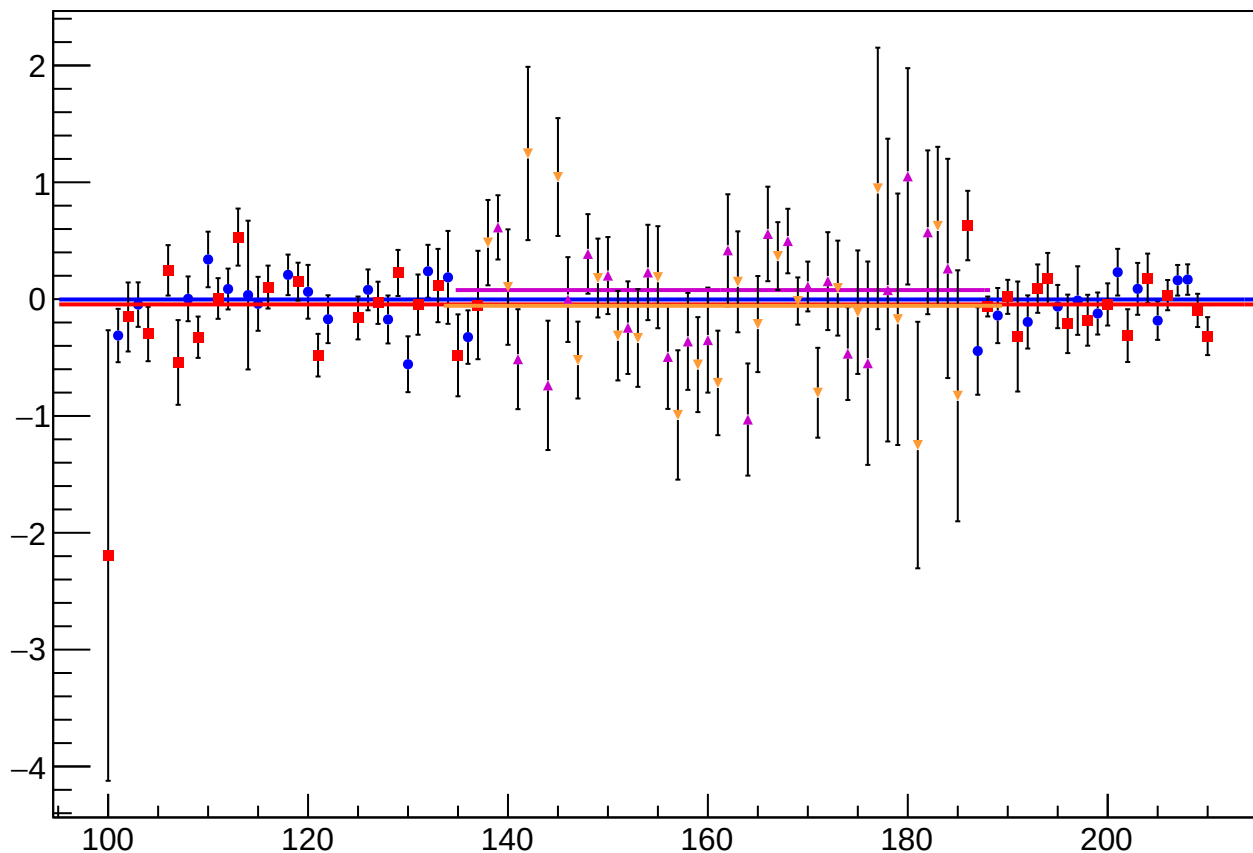
Left In: 331.161 $\pm$ 0.059 χ^2 /NDF: 4106963.1/22

+ sign 179.191 $\pm$ 0.025 χ^2 /NDF: 14488885.1/50

All: 168.186 $\pm$ 0.017 χ^2 /NDF: 32035025.1/10

- sign 159.533 $\pm$ 0.022 χ^2 /NDF: 17203216.6/54

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.039 χ^2/NDF : 25.1/26

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.045 ± 0.034 χ^2/NDF : 40.1/31

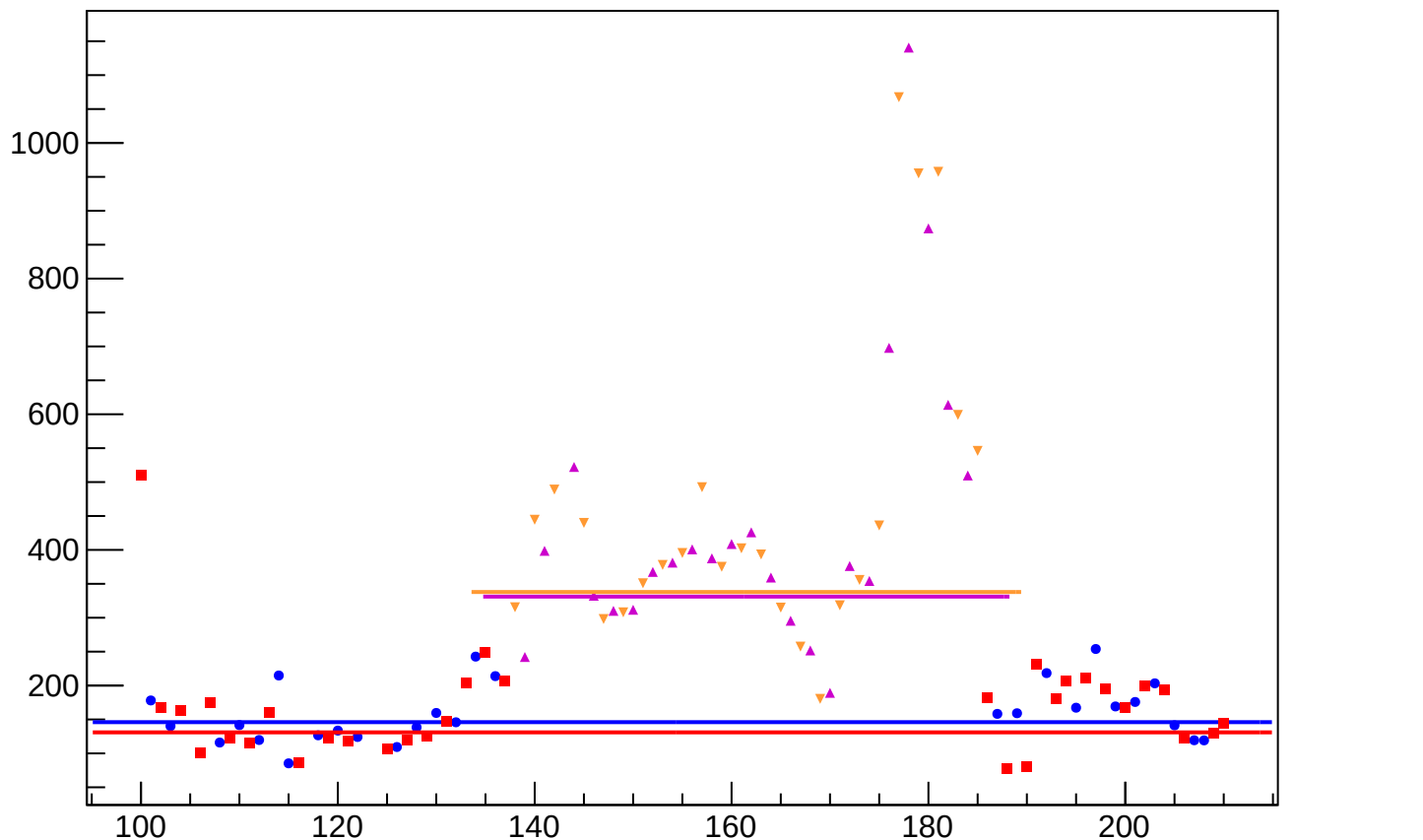
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.012 ± 0.036 χ^2/NDF : 55.8/50

All: -0.021 ± 0.024 χ^2/NDF : 124.9/105

- sign -0.028 ± 0.031 χ^2/NDF : 69.0/54

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.037 $\pm$ 0.028 χ^2 /NDF: 1629419.8/26

Left Out: 337.939 $\pm$ 0.060 χ^2 /NDF: 4517201.8/23

Right Out: 130.992 $\pm$ 0.024 χ^2 /NDF: 3221395.4/31

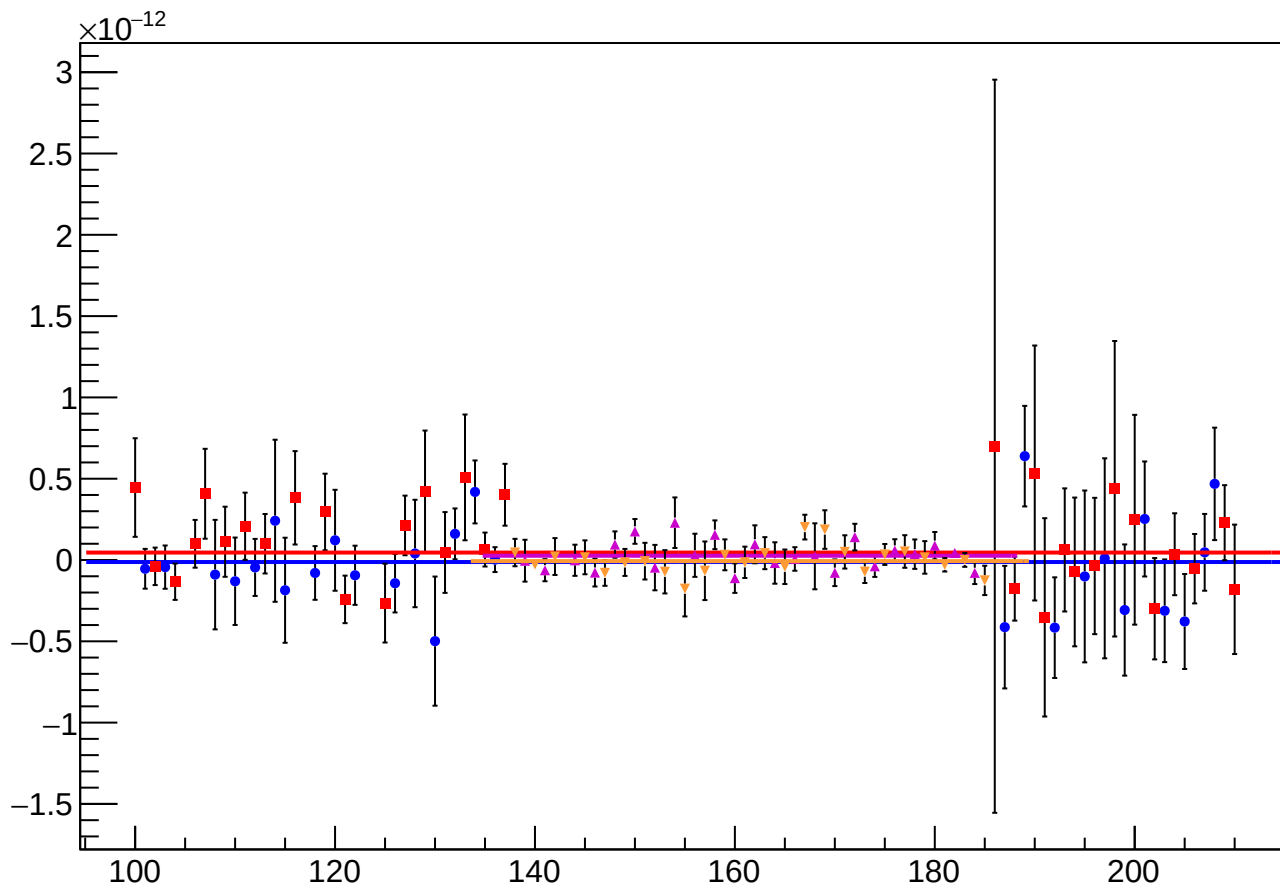
Left In: 331.161 $\pm$ 0.059 χ^2 /NDF: 4106963.1/22

+ sign 179.191 $\pm$ 0.025 χ^2 /NDF: 14488885.1/50

All: 168.186 $\pm$ 0.017 χ^2 /NDF: 32035025.1/10

- sign 159.533 $\pm$ 0.022 χ^2 /NDF: 17203216.6/54

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 22.7/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 18.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 27.3/31

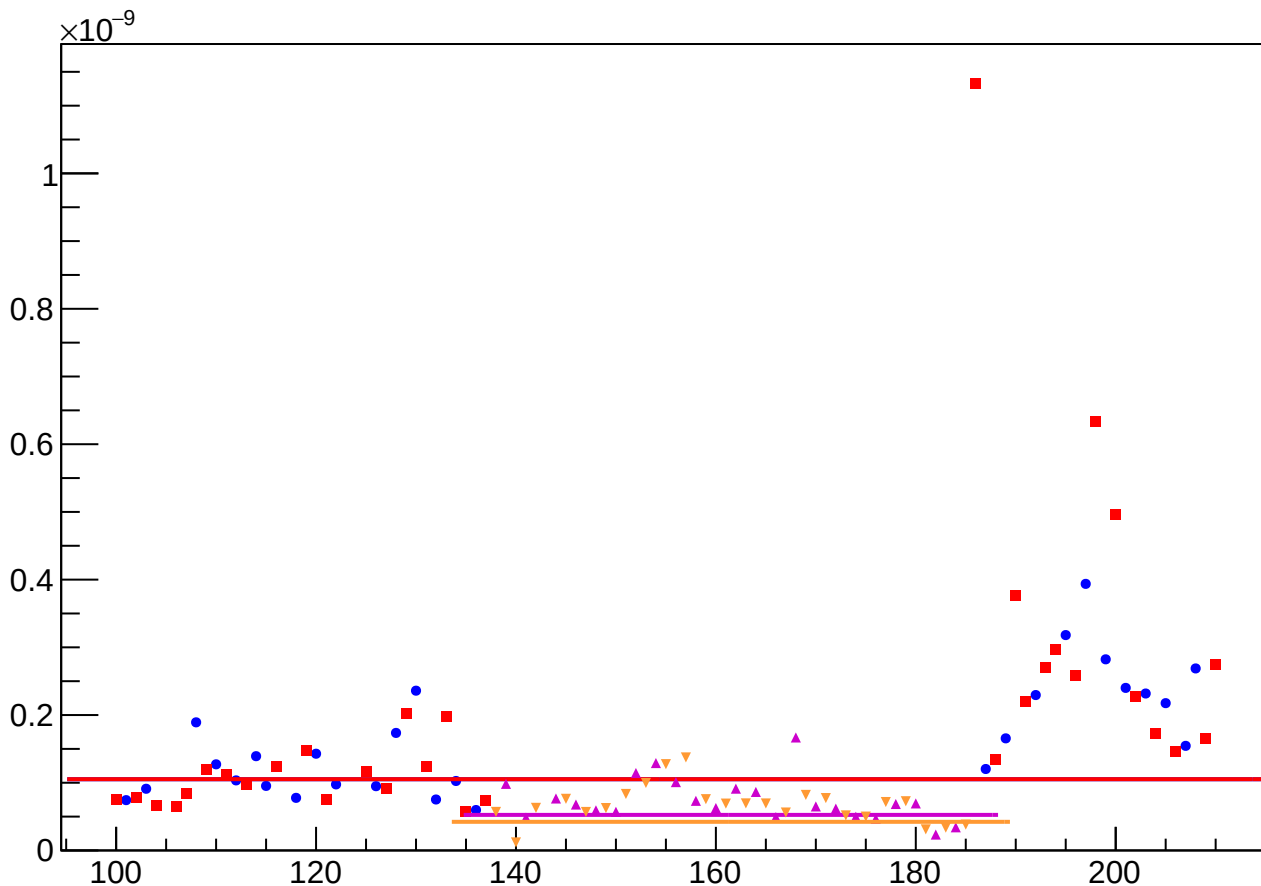
Left In: 0.000 ± 0.000 χ^2/NDF : 22.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 40.8/50

All: 0.000 ± 0.000 χ^2/NDF : 94.5/105

- sign 0.000 ± 0.000 χ^2/NDF : 50.3/54

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4473539.9/26

Left Out: 0.000+/-0.000 χ^2/NDF : 6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 5645413.4/31

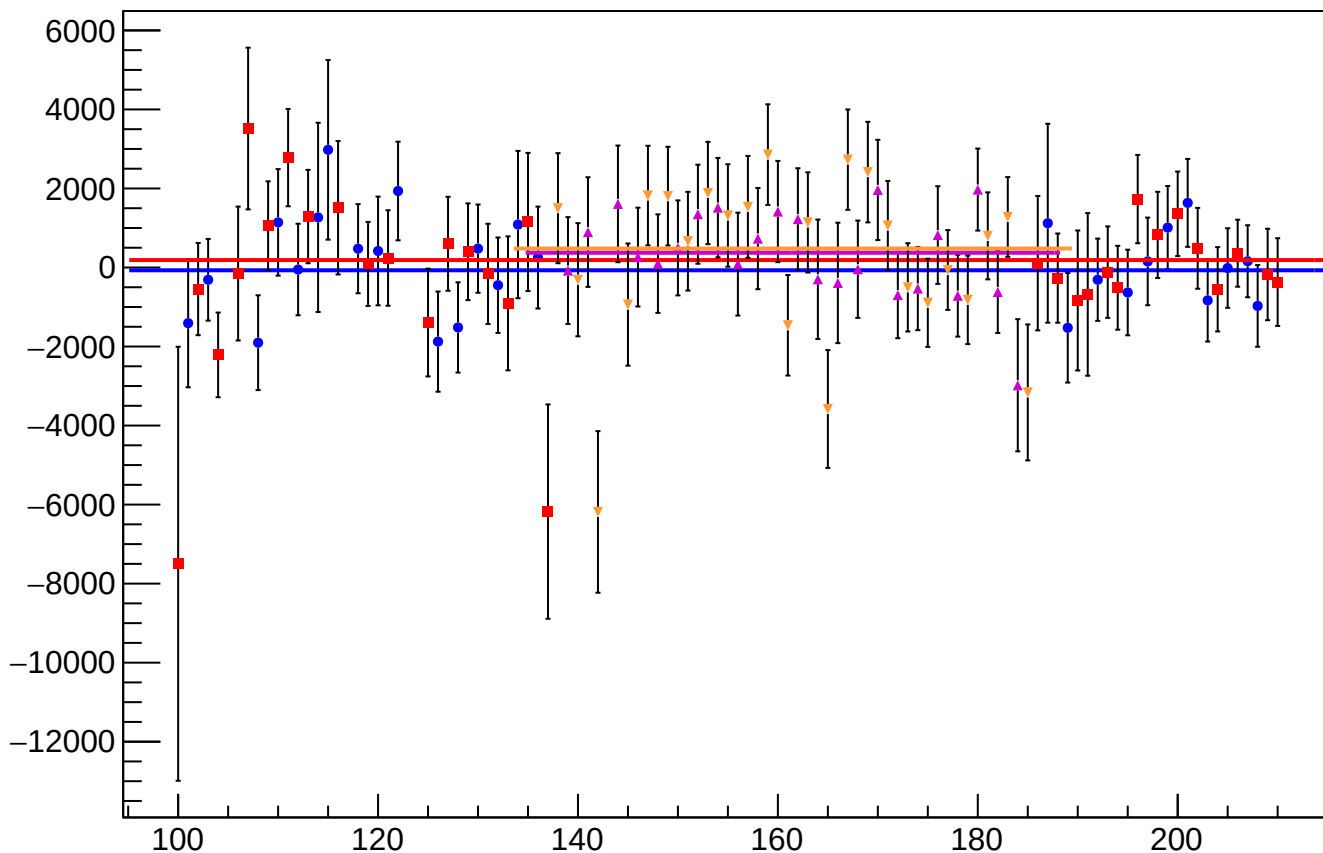
Left In: 0.000+/-0.000 χ^2/NDF : 4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 15689691.6/50

All: 0.000+/-0.000 χ^2/NDF : 30115778.1/105

- sign 0.000+/-0.000 χ^2/NDF : 13830388.1/54

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -70.482 ± 232.995 χ^2/NDF : 19.8/26

Left Out: 479.555 ± 256.330 χ^2/NDF : 45.2/23

Right Out: 187.987 ± 222.081 χ^2/NDF : 30.0/31

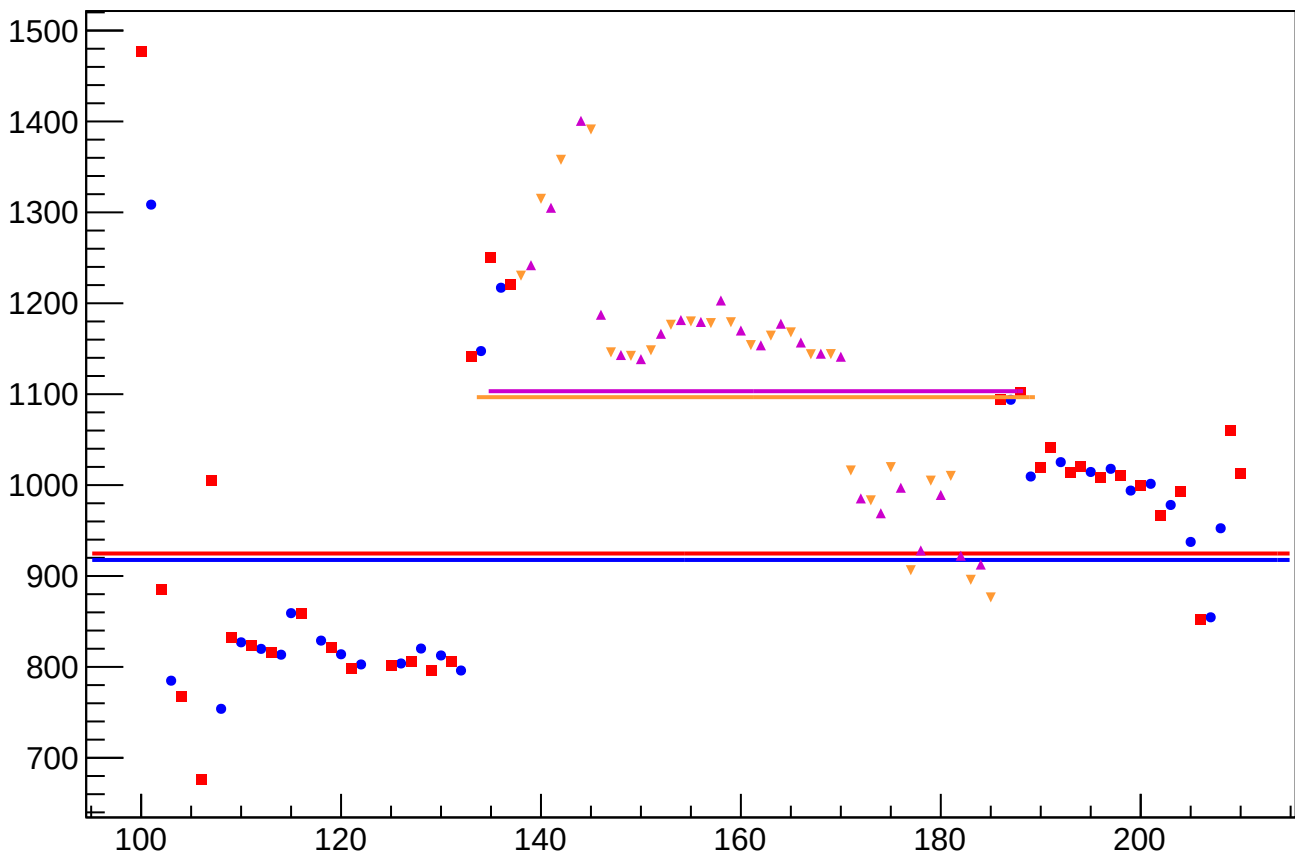
Left In: 372.926 ± 259.314 χ^2/NDF : 16.0/22

+ sign 178.366 ± 172.413 χ^2/NDF : 67.5/50

All: 223.264 ± 120.572 χ^2/NDF : 113.9/105

- sign 266.237 ± 168.677 χ^2/NDF : 46.3/54

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 917.657 $\pm$ 0.165 χ^2 /NDF: 575756.1/26

Left Out: 1096.711 $\pm$ 0.181 χ^2 /NDF: 480498.6/23

Right Out: 924.750 $\pm$ 0.156 χ^2 /NDF: 640817.1/31

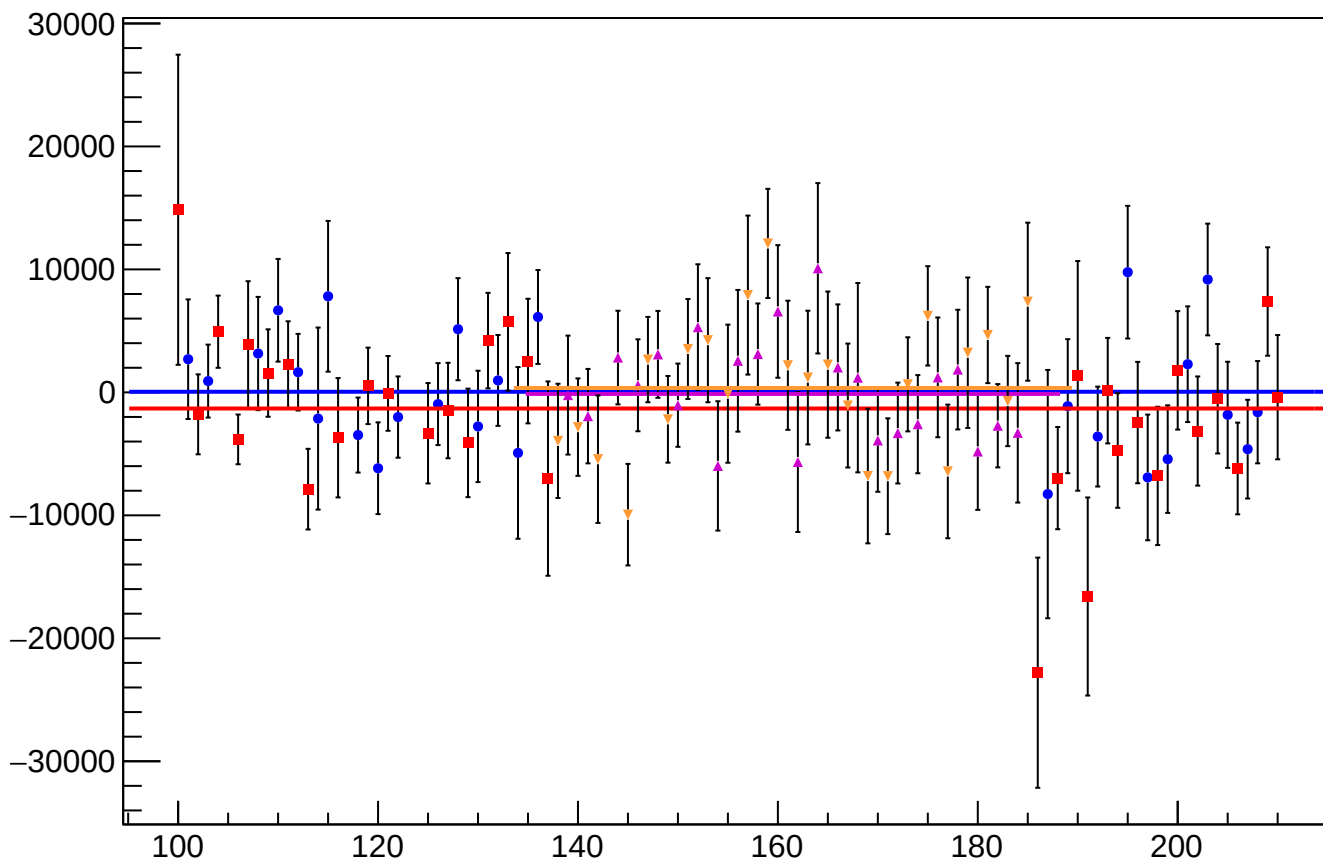
Left In: 1103.281 $\pm$ 0.183 χ^2 /NDF: 447540.4/22

+ sign 998.665 $\pm$ 0.122 χ^2 /NDF: 1590633.0/50

All: 999.232 $\pm$ 0.085 χ^2 /NDF: 3228666.4/105

- sign 999.770 $\pm$ 0.119 χ^2 /NDF: 1637991.2/54

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 49.117 ± 807.176 χ^2/NDF : 29.1/26

Left Out: 357.729 ± 934.220 χ^2/NDF : 30.3/23

Right Out: -1311.991 ± 723.041 χ^2/NDF : 39.3/31

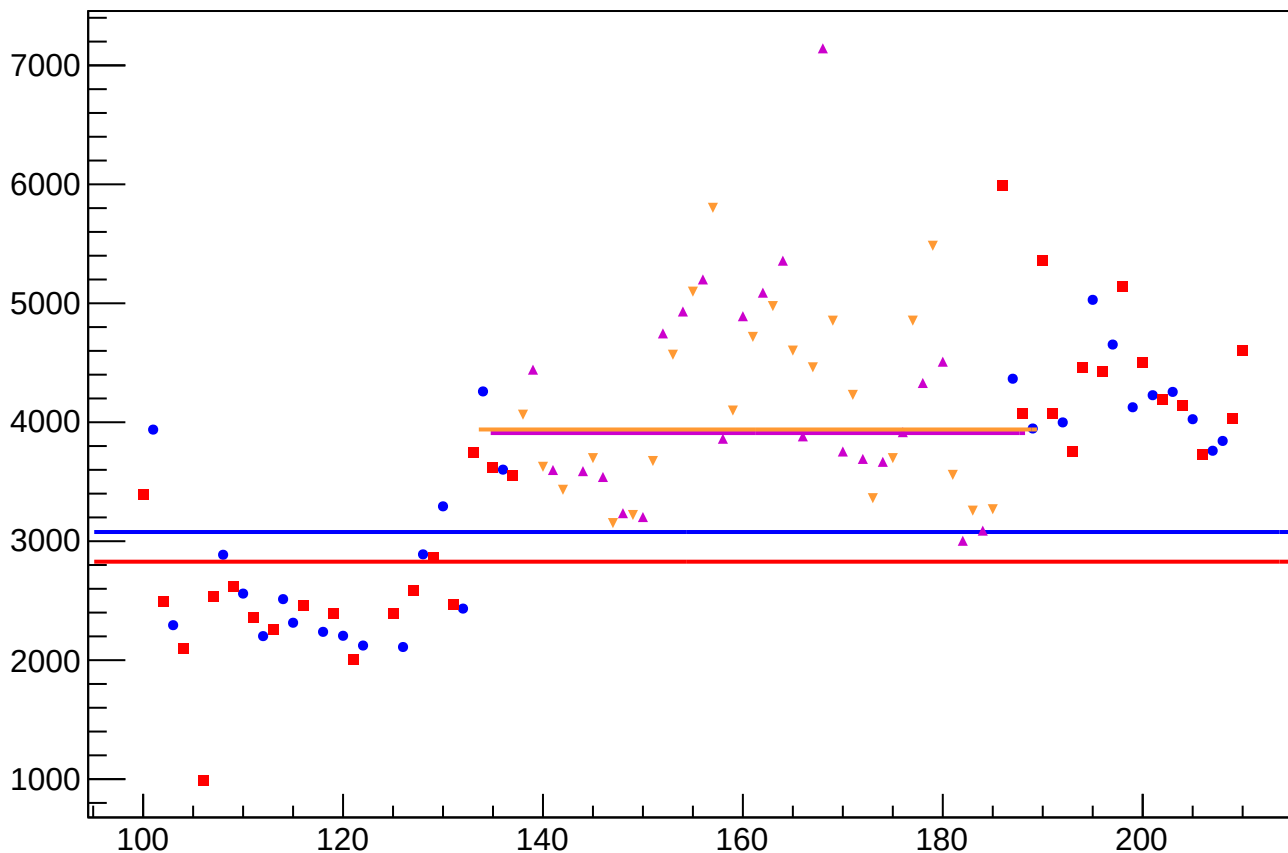
Left In: -126.696 ± 932.645 χ^2/NDF : 13.8/22

+ sign 181.028 ± 610.776 χ^2/NDF : 59.4/50

All: -377.844 ± 417.279 χ^2/NDF : 115.0/105

- sign -867.031 ± 571.431 χ^2/NDF : 54.0/54

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 3077.355 $\pm$ 0.571 χ^2/NDF : 2426750.1/26

Left Out: 3939.261 $\pm$ 0.661 χ^2/NDF : 1092666.9/23

Right Out: 2827.895 $\pm$ 0.511 χ^2/NDF : 4884381.7/31

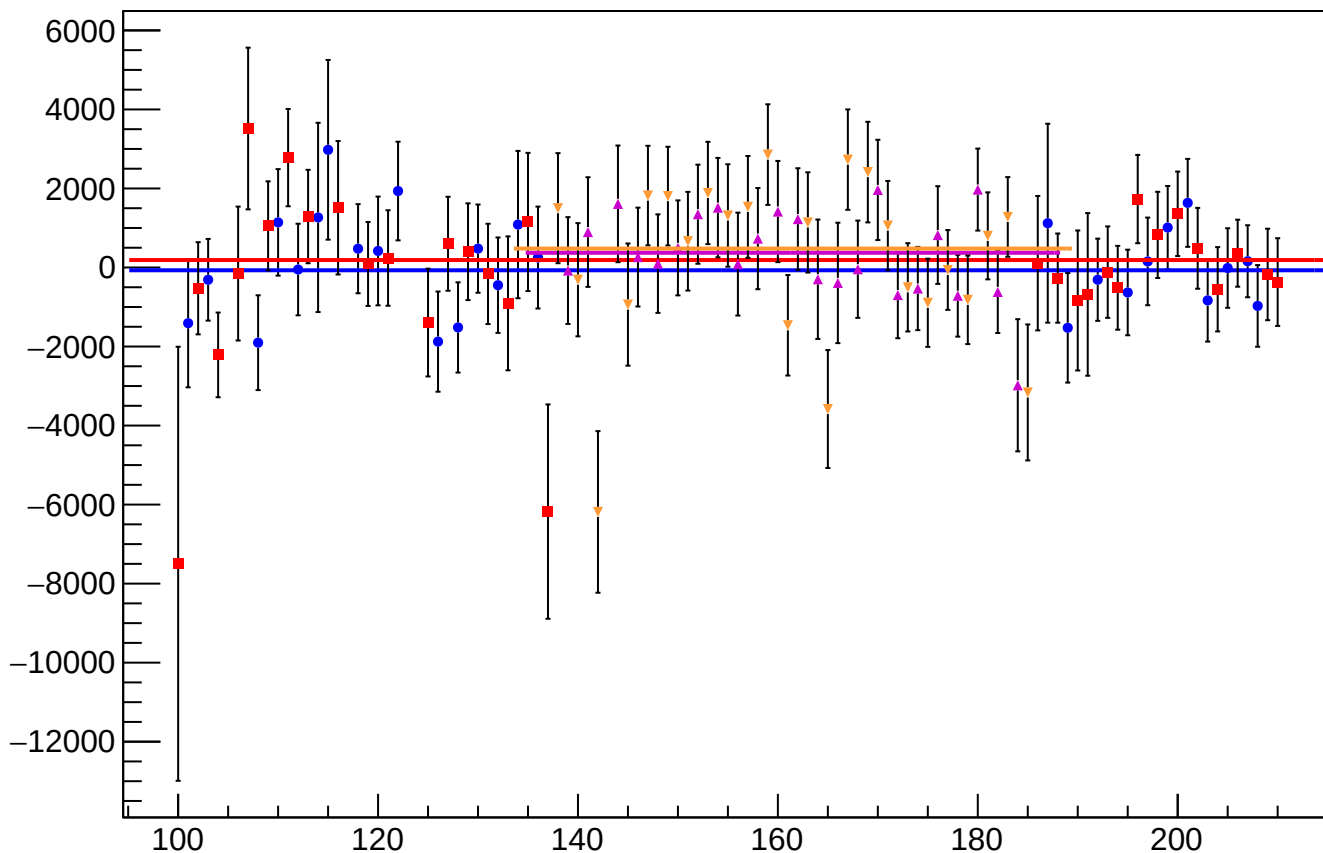
Left In: 3909.133 $\pm$ 0.659 χ^2/NDF : 1300774.2/22

+ sign 3445.760 $\pm$ 0.432 χ^2/NDF : 4494137.0/50

All: 3332.729 $\pm$ 0.295 χ^2/NDF : 12486708.8/54

- sign 3233.792 $\pm$ 0.404 χ^2/NDF : 7864121.9/54

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -70.489 ± 232.995 χ^2/NDF : 19.8/26

Left Out: 479.583 ± 256.330 χ^2/NDF : 45.2/23

Right Out: 188.778 ± 222.082 χ^2/NDF : 29.9/31

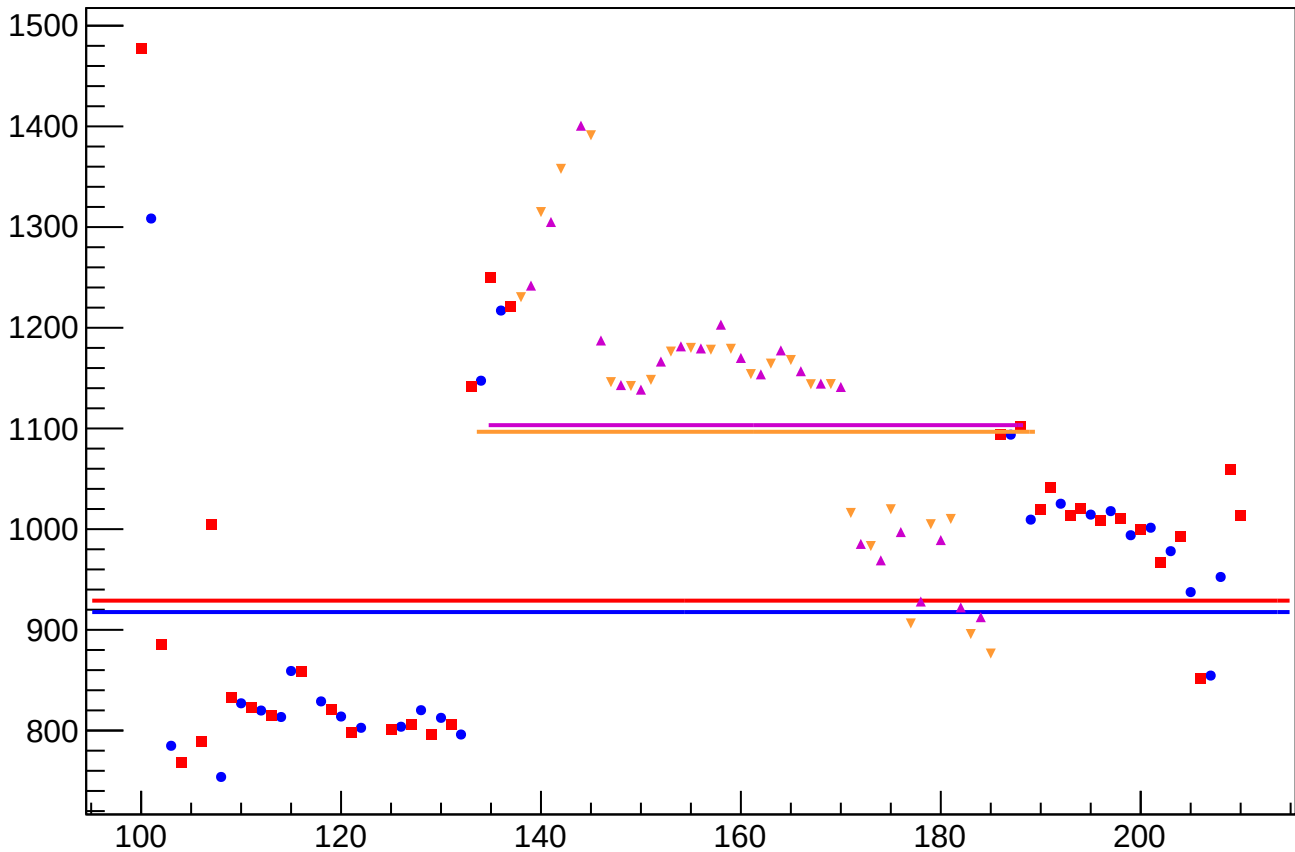
Left In: 372.901 ± 259.314 χ^2/NDF : 16.0/22

+ sign 178.375 ± 172.413 χ^2/NDF : 67.5/50

All: 223.496 ± 120.572 χ^2/NDF : 113.9/105

- sign 266.684 ± 168.678 χ^2/NDF : 46.3/54

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 917.657 $\pm$ 0.165 χ^2 /NDF: 575756.0/26

Left Out: 1096.711 $\pm$ 0.181 χ^2 /NDF: 480498.6/23

Right Out: 928.997 $\pm$ 0.157 χ^2 /NDF: 583211.9/31

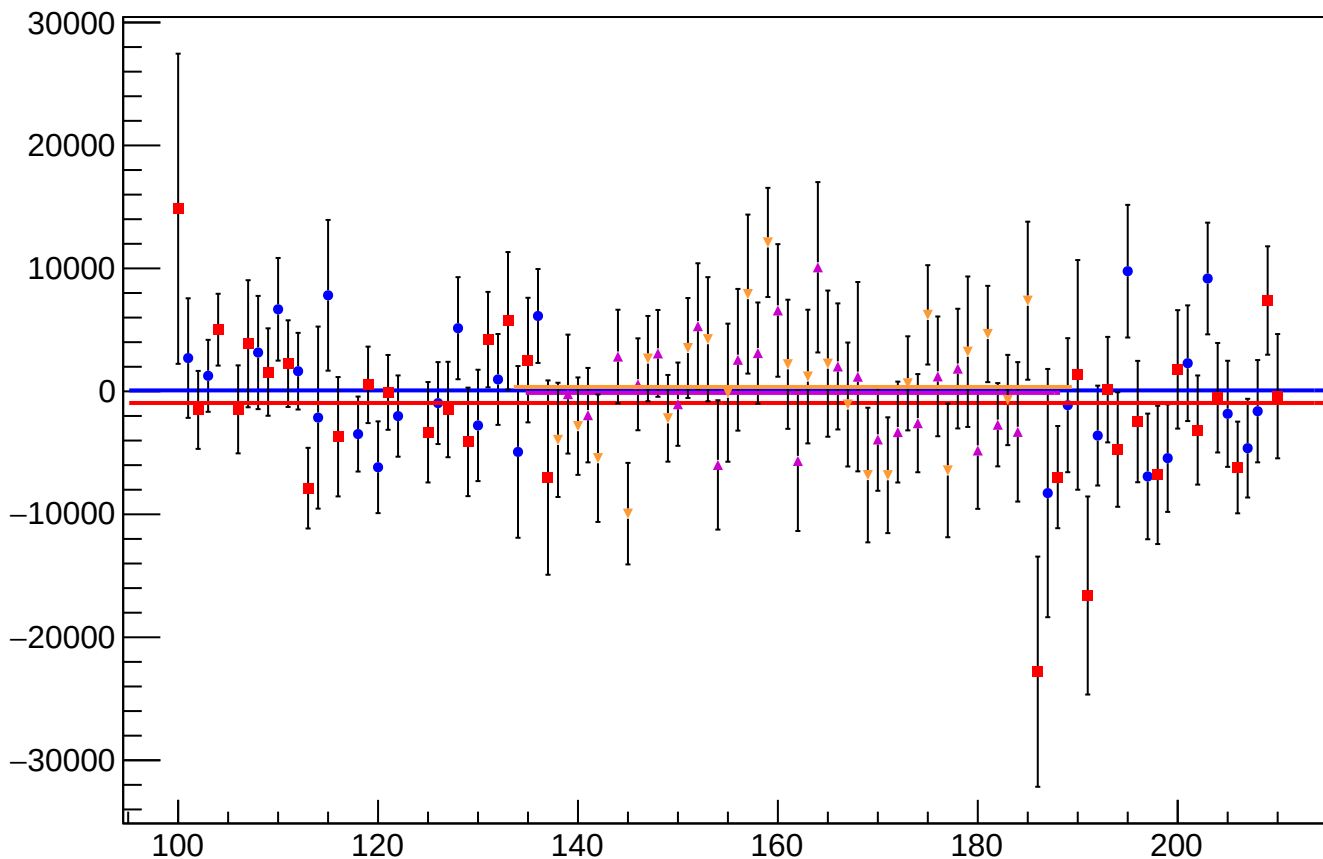
Left In: 1103.281 $\pm$ 0.183 χ^2 /NDF: 447540.3/22

+ sign 998.665 $\pm$ 0.122 χ^2 /NDF: 1590633.1/50

All: 1000.642 $\pm$ 0.085 χ^2 /NDF: 3144154.6/10

- sign 1002.530 $\pm$ 0.119 χ^2 /NDF: 1553007.3/54

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 77.502+/-806.377 χ^2/NDF : 29.2/26

Left Out: 357.728+/-934.221 χ^2/NDF :30.3/23

Right Out: -943.471+/-755.434 χ^2/NDF : 37.6/31

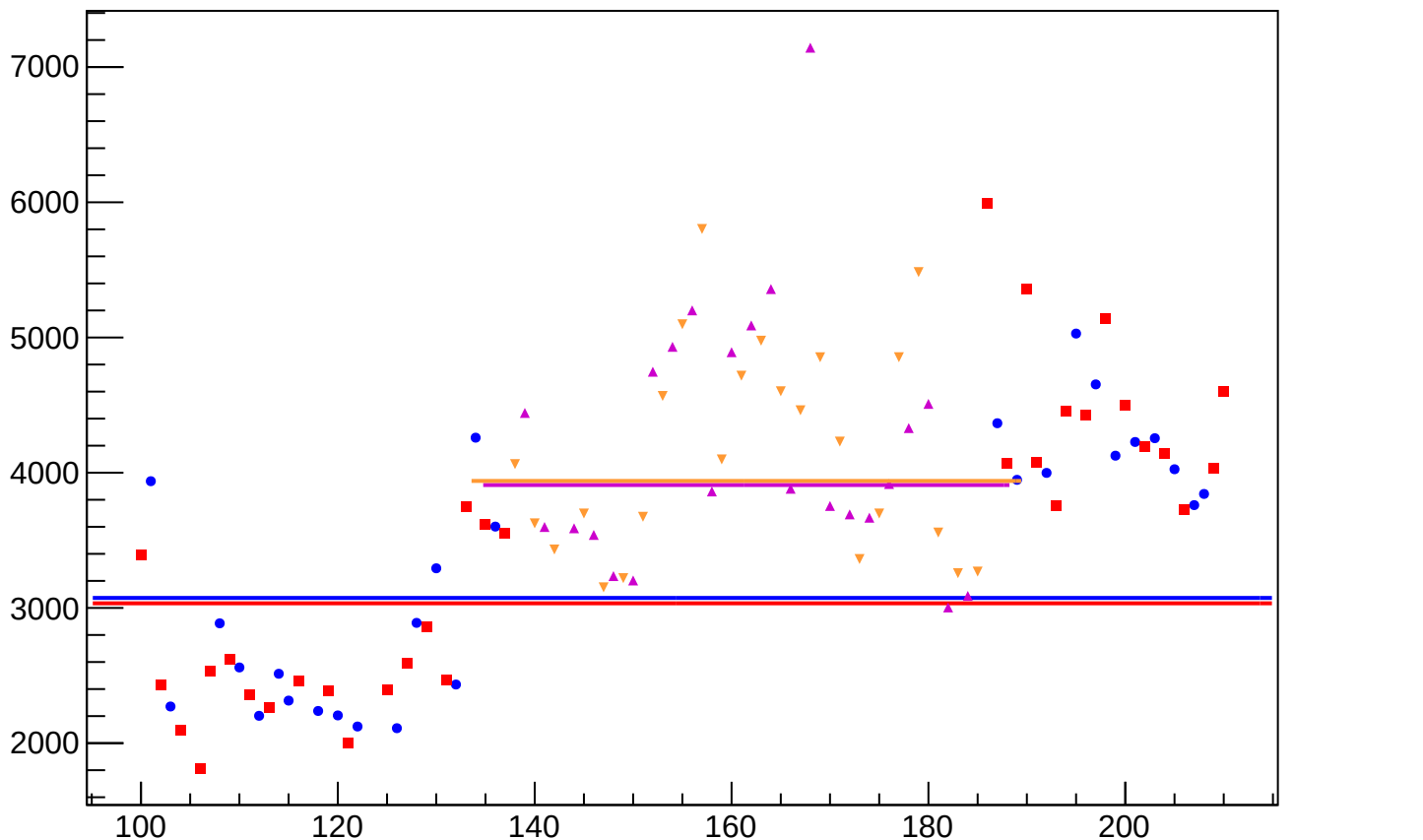
Left In: -126.635+/-932.644 χ^2/NDF :13.8/22

+ sign 197.143+/-610.430 χ^2/NDF : 59.5/50

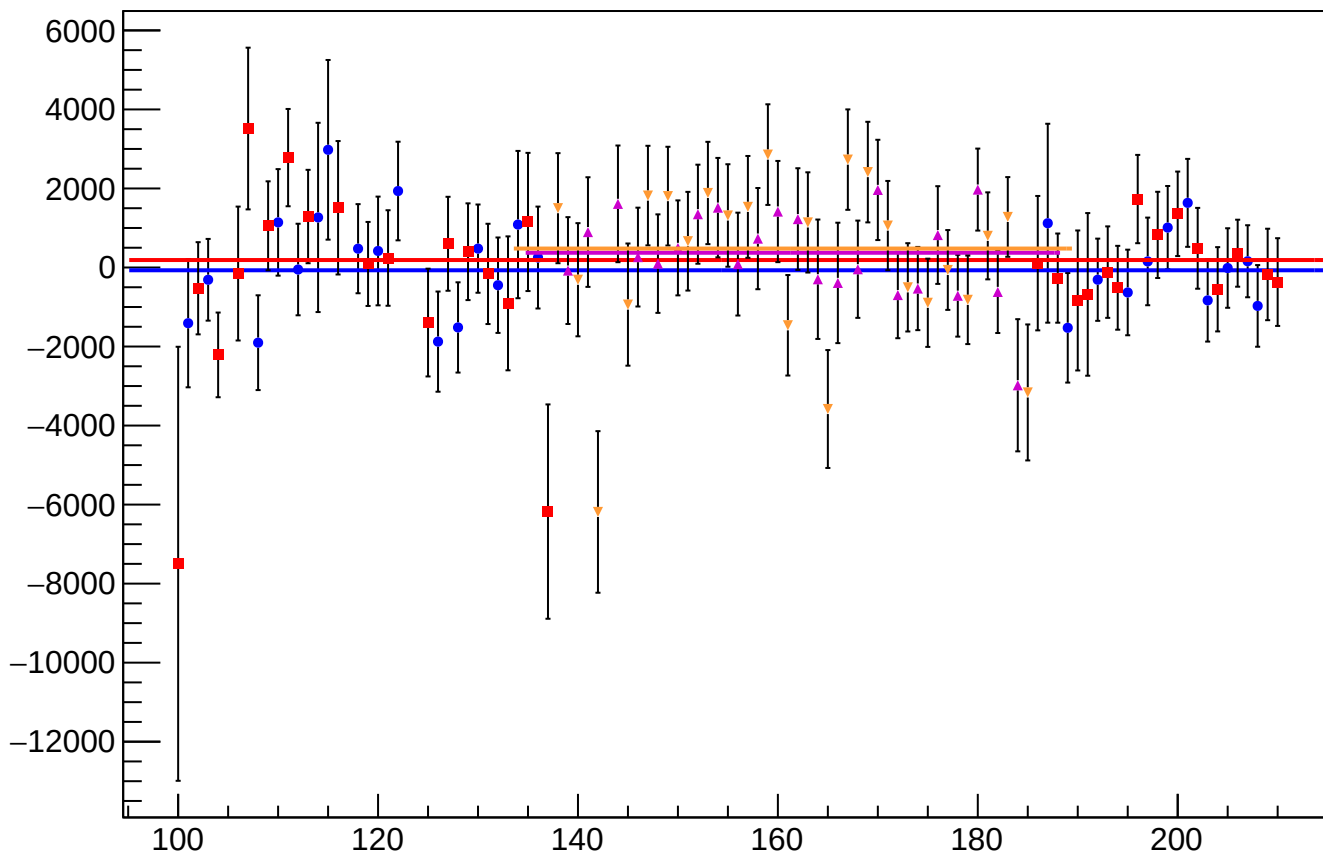
All: -227.327+/-423.121 χ^2/NDF : 112.3/105

- sign -619.868+/-587.023 χ^2/NDF : 51.8/54

asym_usl_atl2_dd_cor_correction_rms vs Slug



eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -70.489 ± 232.995 χ^2/NDF : 19.8/26

Left Out: 479.583 ± 256.330 χ^2/NDF : 45.2/23

Right Out: 188.778 ± 222.082 χ^2/NDF : 29.9/31

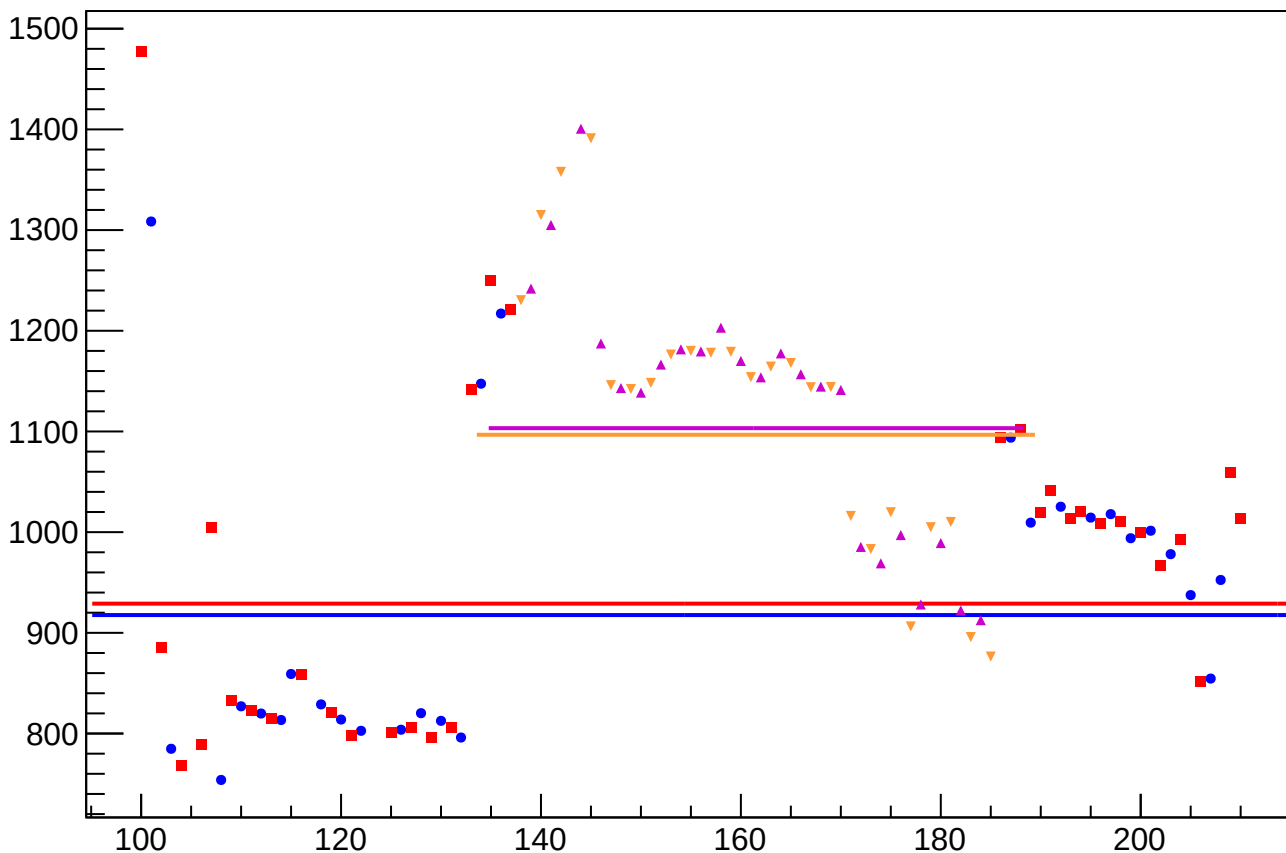
Left In: 372.901 ± 259.314 χ^2/NDF : 16.0/22

+ sign 178.375 ± 172.413 χ^2/NDF : 67.5/50

All: 223.496 ± 120.572 χ^2/NDF : 113.9/105

- sign 266.684 ± 168.678 χ^2/NDF : 46.3/54

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 917.657 $\pm$ 0.165 χ^2/NDF : 575756.0/26

Left Out: 1096.711 $\pm$ 0.181 χ^2/NDF : 480498.6/23

Right Out: 928.997 $\pm$ 0.157 χ^2/NDF : 583211.9/31

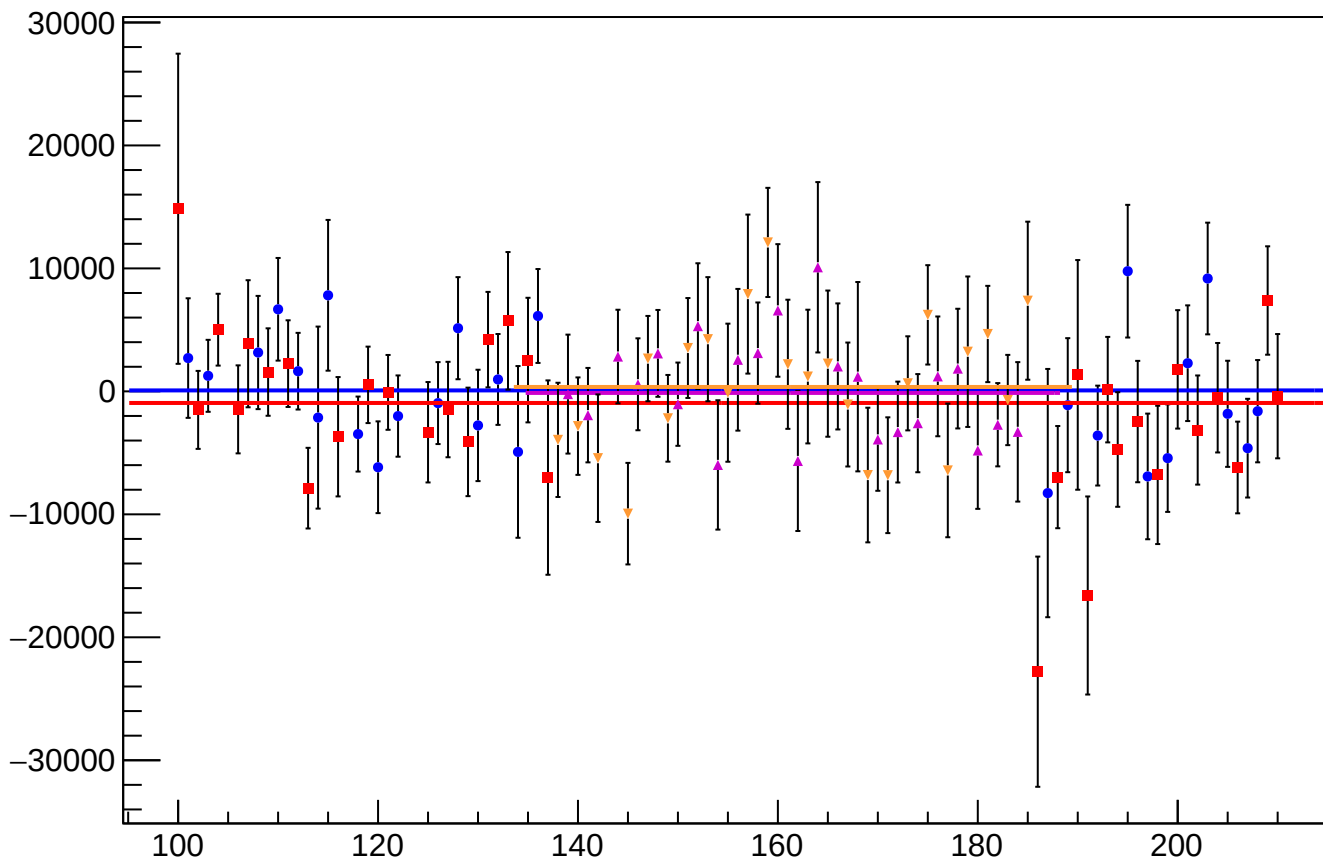
Left In: 1103.281 $\pm$ 0.183 χ^2/NDF : 447540.3/22

+ sign 998.665 $\pm$ 0.122 χ^2/NDF : 1590633.1/50

All: 1000.642 $\pm$ 0.085 χ^2/NDF : 3144154.6/10

- sign 1002.530 $\pm$ 0.119 χ^2/NDF : 1553007.3/54

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug



Right In: 77.502+/-806.377 χ^2/NDF : 29.2/26

Left Out: 357.728+/-934.221 χ^2/NDF : 30.3/23

Right Out: -943.471+/-755.434 χ^2/NDF : 37.6/31

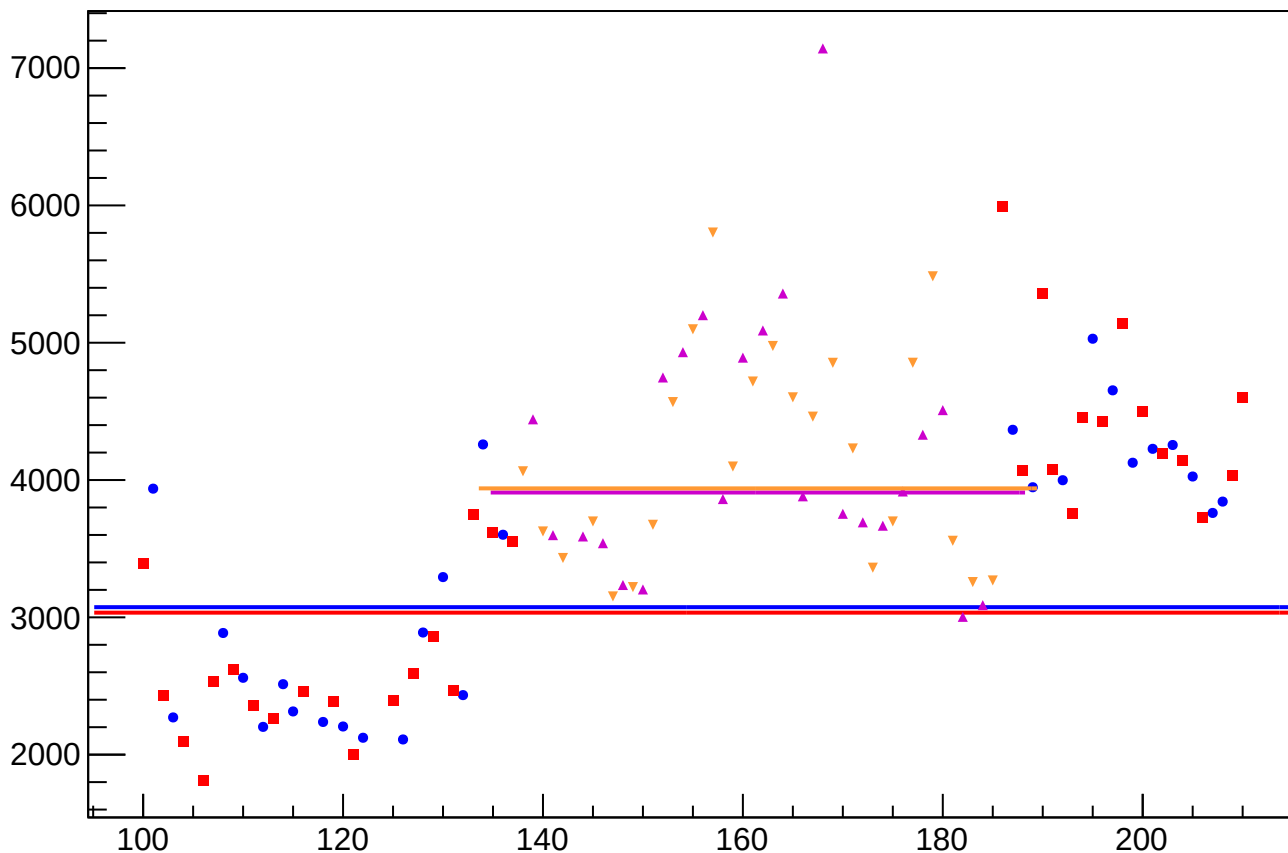
Left In: -126.635+/-932.644 χ^2/NDF : 13.8/22

+ sign 197.143+/-610.430 χ^2/NDF : 59.5/50

All: -227.327+/-423.121 χ^2/NDF : 112.3/105

- sign -619.868+/-587.023 χ^2/NDF : 51.8/54

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 3074.047 $\pm$ 0.570 χ^2 /NDF: 2438891.0/26

Left Out: 3939.266 $\pm$ 0.661 χ^2 /NDF:1092657.5/23

Right Out: 3034.159 $\pm$ 0.534 χ^2 /NDF: 3252998.2/31

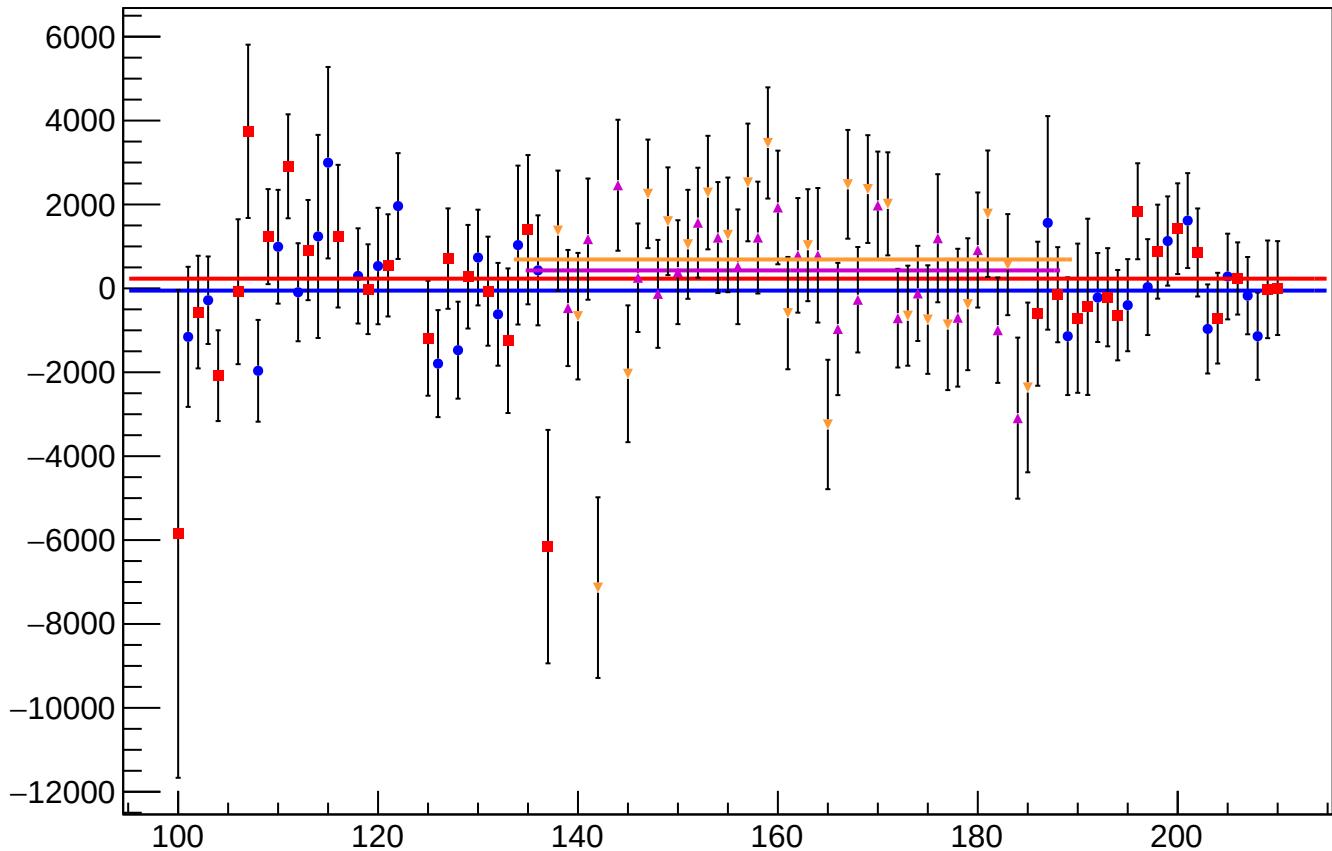
Left In: 3909.128 $\pm$ 0.659 χ^2 /NDF:1300782.7/22

+ sign 3443.448 $\pm$ 0.432 χ^2 /NDF: 4514604.7/50

All: 3410.896 $\pm$ 0.299 χ^2 /NDF: 10142251.1/101

- sign 3380.793 $\pm$ 0.415 χ^2 /NDF: 5616699.2/54

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -52.852 ± 236.124 $\chi^2/\text{NDF}: 19.5/26$

Left Out: 689.087 ± 284.388 $\chi^2/\text{NDF}: 45.7/23$

Right Out: 231.693 ± 225.837 $\chi^2/\text{NDF}: 29.2/31$

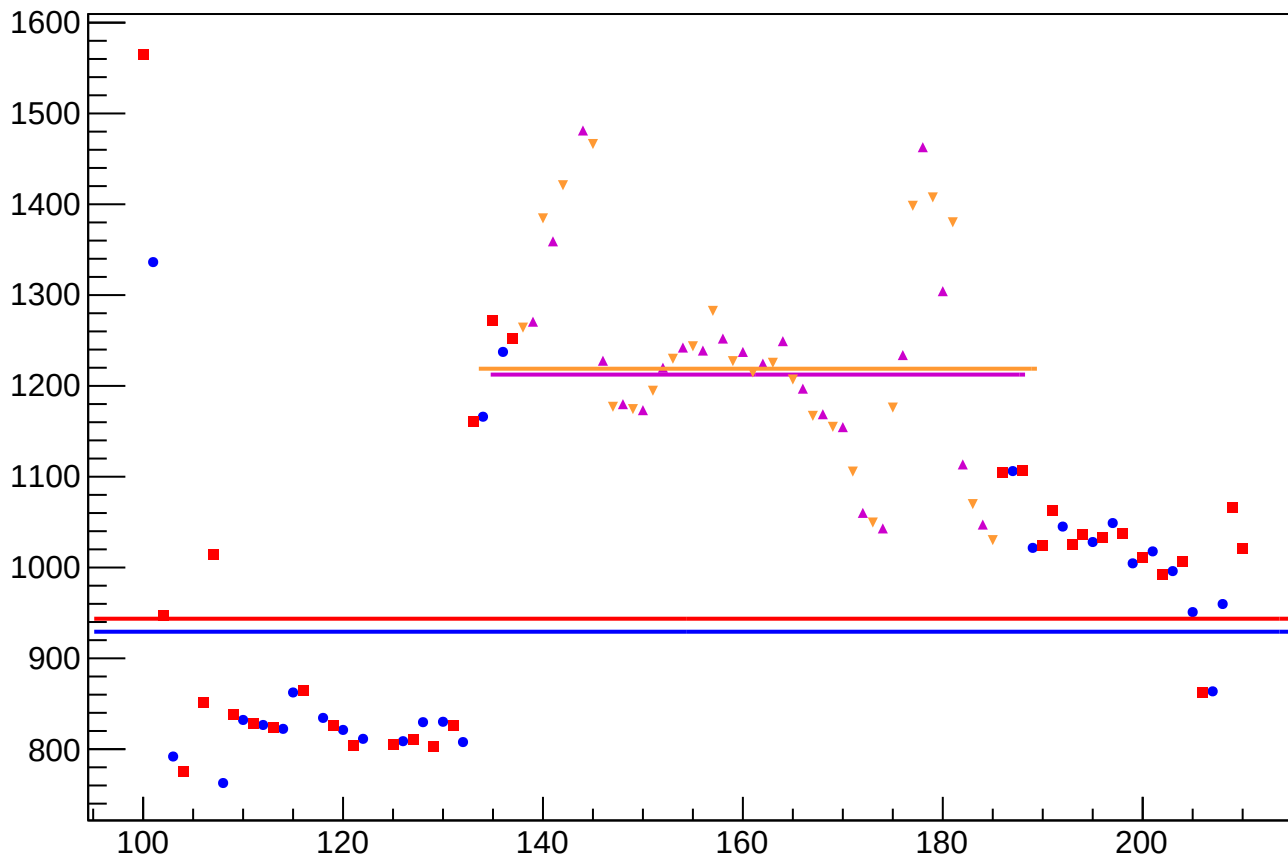
Left In: 428.052 ± 284.383 $\chi^2/\text{NDF}: 14.6/22$

+ sign 249.908 ± 181.667 $\chi^2/\text{NDF}: 69.3/50$

All: 279.546 ± 126.722 $\chi^2/\text{NDF}: 113.4/105$

- sign -307.634 ± 176.854 $\chi^2/\text{NDF}: 44.1/54$

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 929.308 $\pm$ 0.167 χ^2 /NDF: 598555.2/26

Left Out: 1218.928 $\pm$ 0.201 χ^2 /NDF:293874.9/23

Right Out: 943.639 $\pm$ 0.160 χ^2 /NDF: 588957.0/31

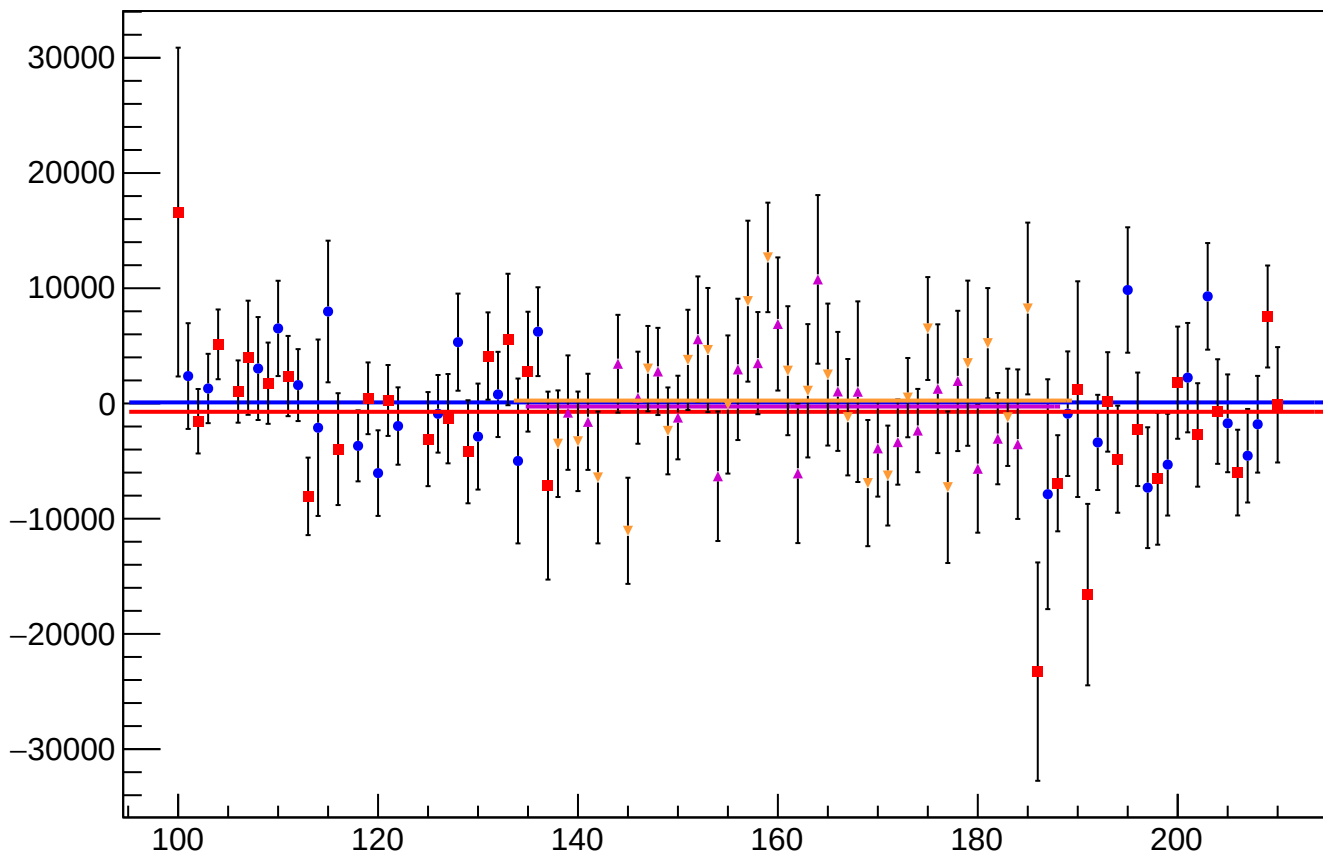
Left In: 1212.447 $\pm$ 0.201 χ^2 /NDF:260320.0/22

+ sign 1047.492 $\pm$ 0.128 χ^2 /NDF: 2120259.2/50

All: 1047.516 $\pm$ 0.090 χ^2 /NDF: 4065781.1/10

- sign 1047.539 $\pm$ 0.125 χ^2 /NDF: 1945521.8/54

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 92.368 $\pm$ 811.329 χ^2 /NDF: 28.9/26

Left Out: 252.803 $\pm$ 995.149 χ^2 /NDF: 29.7/23

Right Out: -723.049 $\pm$ 740.795 χ^2 /NDF: 38.1/31

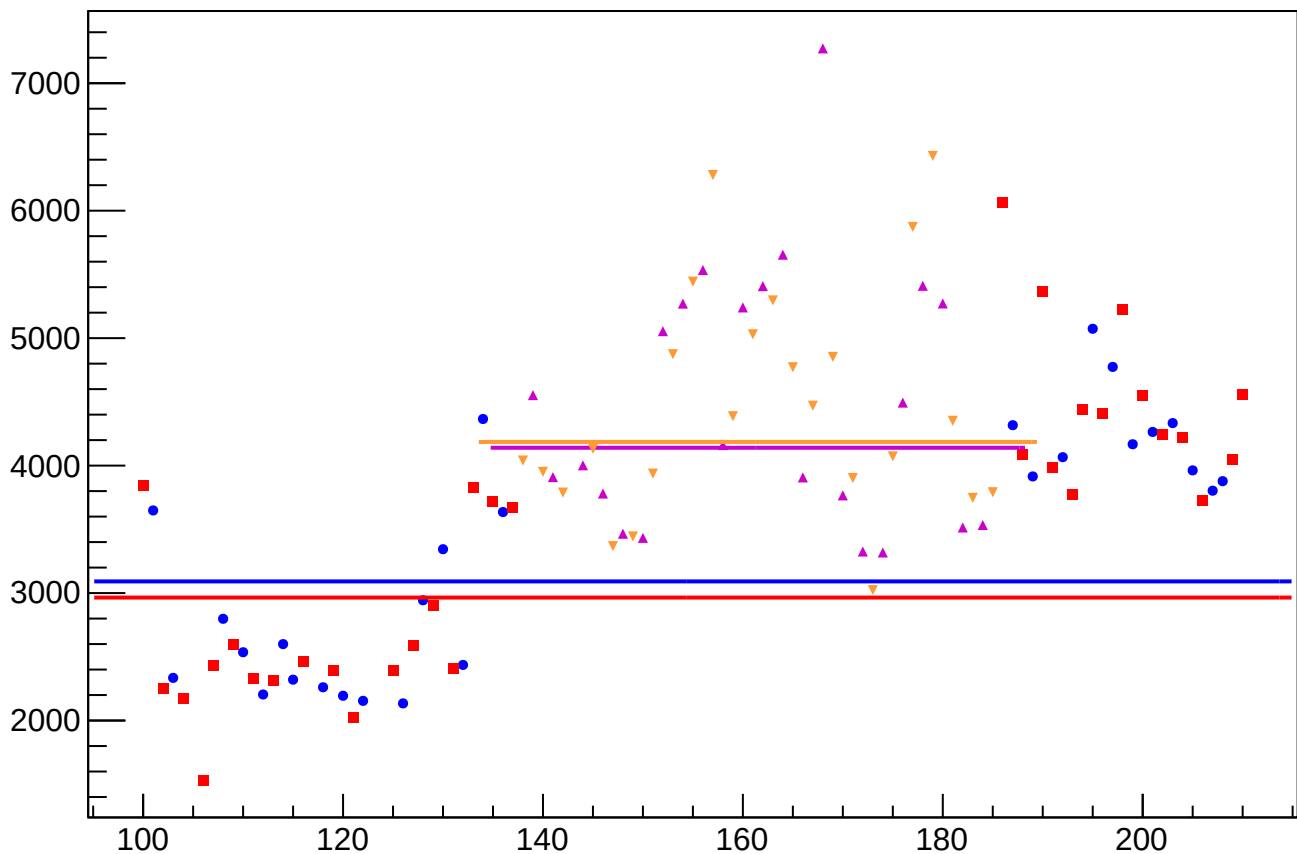
Left In: -266.235 $\pm$ 990.083 χ^2 /NDF: 13.4/22

+ sign 156.427 $\pm$ 628.826 χ^2 /NDF: 58.6/50

All: -222.211 $\pm$ 431.479 χ^2 /NDF: 111.0/105

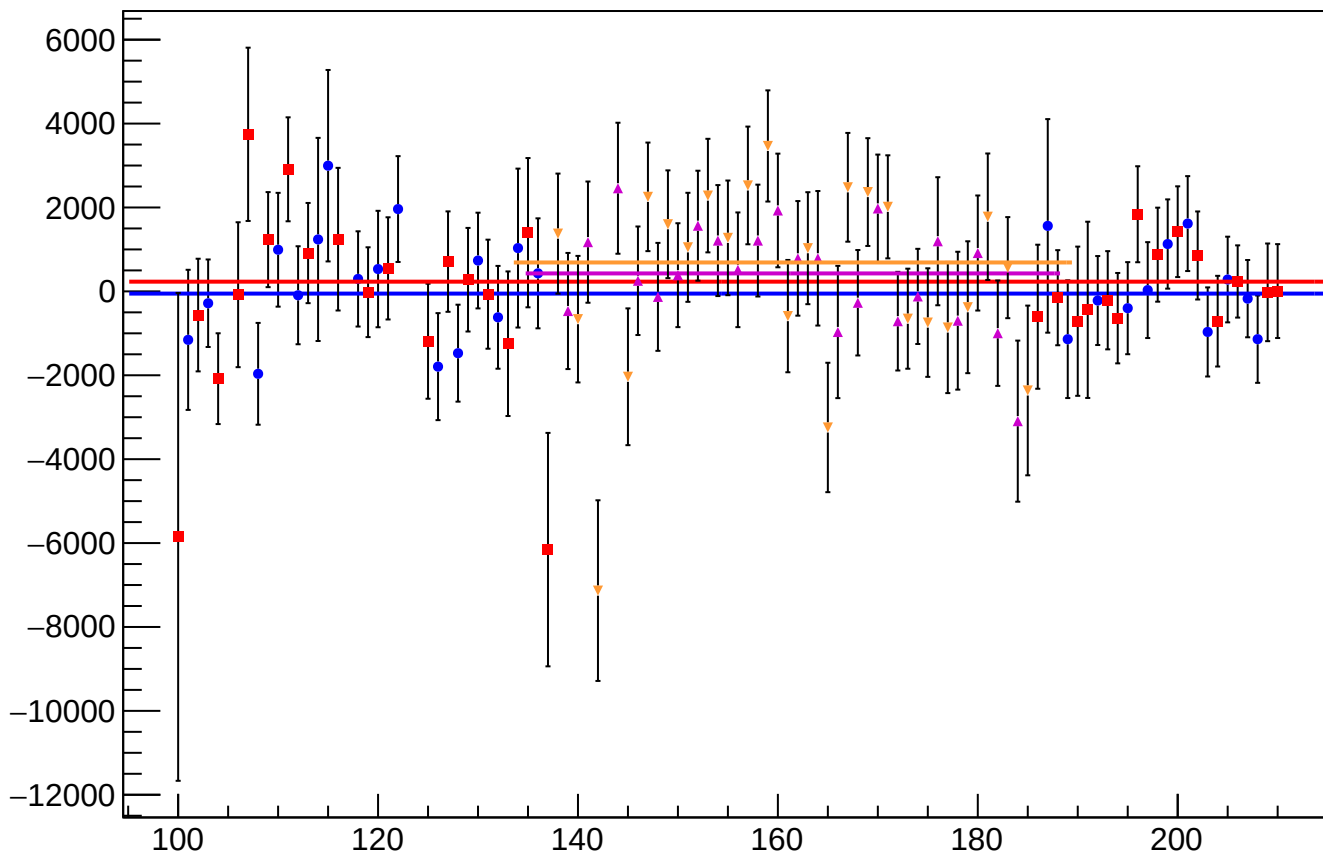
- sign -559.097 $\pm$ 593.144 χ^2 /NDF: 51.7/54

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 3091.615+/-0.574	χ^2/NDF : 2415841.7/26	+ sign 3528.451+/-0.445	χ^2/NDF : 5139160.1/50
Left Out: 4185.656+/-0.704	χ^2/NDF : 1271248.5/23	All: 3453.376+/-0.305	χ^2/NDF : 12170917.6/1
Right Out: 2964.768+/-0.524	χ^2/NDF : 3721221.5/31	- sign 3386.580+/-0.419	χ^2/NDF : 6977886.6/54
Left In: 4140.051+/-0.700	χ^2/NDF : 1449924.0/22		

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -52.854 ± 236.124 $\chi^2/\text{NDF}: 19.5/26$

Left Out: 689.089 ± 284.388 $\chi^2/\text{NDF}: 45.7/23$

Right Out: 231.693 ± 225.837 $\chi^2/\text{NDF}: 29.2/31$

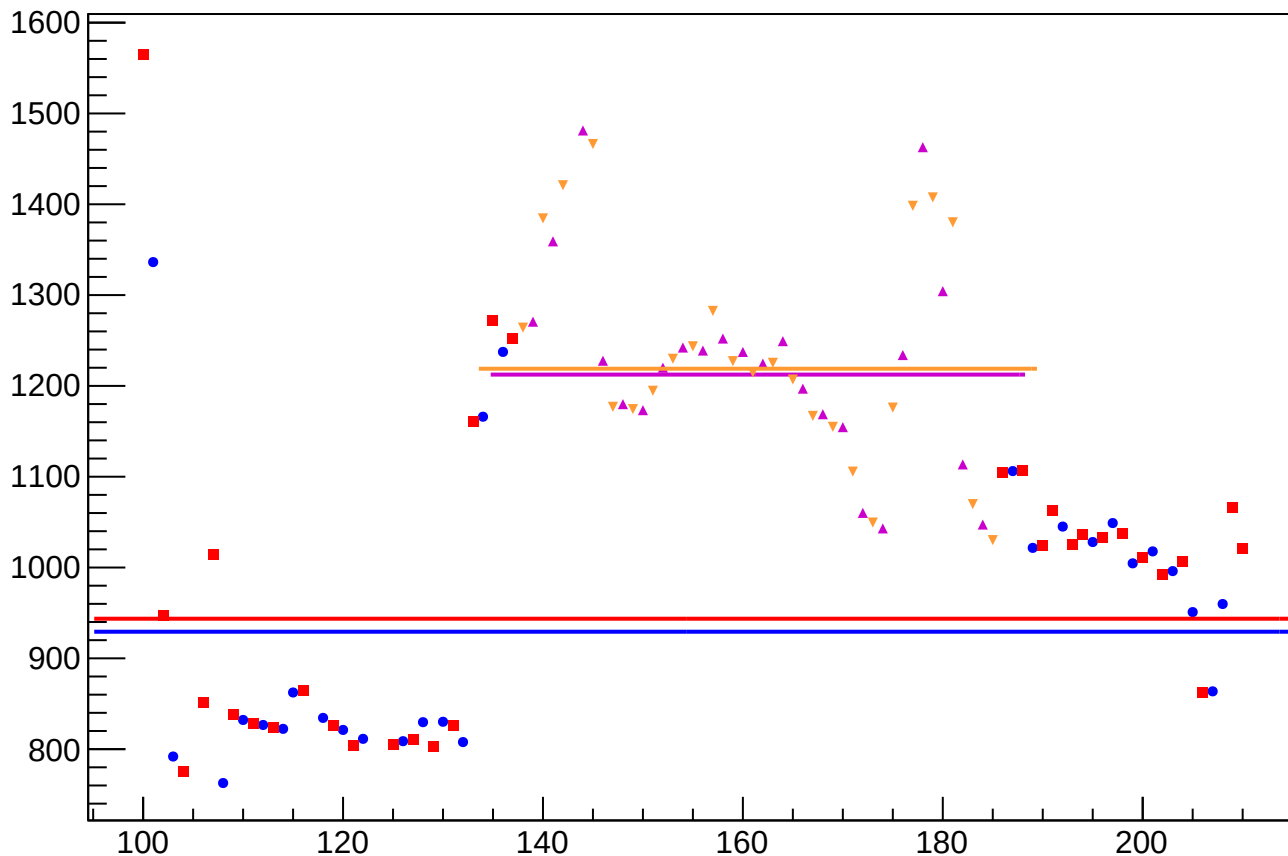
Left In: 428.050 ± 284.383 $\chi^2/\text{NDF}: 14.6/22$

+ sign 249.908 ± 181.667 $\chi^2/\text{NDF}: 69.3/50$

All: 279.545 ± 126.722 $\chi^2/\text{NDF}: 113.4/105$

- sign 307.633 ± 176.854 $\chi^2/\text{NDF}: 44.1/54$

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 929.308 $\pm$ 0.167 χ^2 /NDF: 598555.0/26

Left Out: 1218.929 $\pm$ 0.201 χ^2 /NDF:293885.7/23

Right Out: 943.639 $\pm$ 0.160 χ^2 /NDF: 588957.4/31

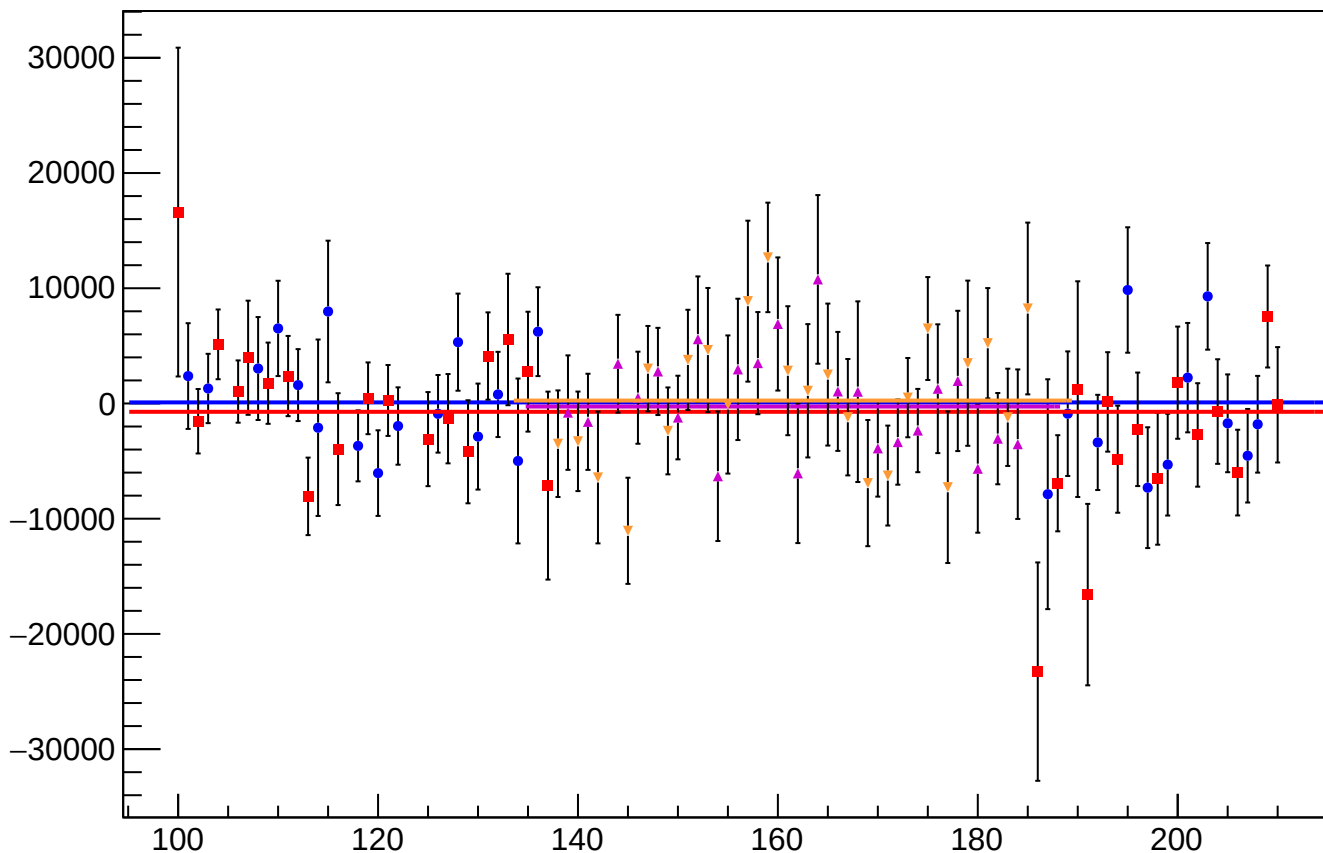
Left In: 1212.448 $\pm$ 0.201 χ^2 /NDF:260330.4/22

+ sign 1047.493 $\pm$ 0.128 χ^2 /NDF: 2120276.0/50

All: 1047.517 $\pm$ 0.090 χ^2 /NDF: 4065815.4/10

- sign 1047.540 $\pm$ 0.125 χ^2 /NDF: 1945539.3/54

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug



Right In: 92.367 ± 811.328 χ^2/NDF : 28.9/26

Left Out: 252.805 ± 995.151 χ^2/NDF : 29.7/23

Right Out: -723.044 ± 740.794 χ^2/NDF : 38.1/31

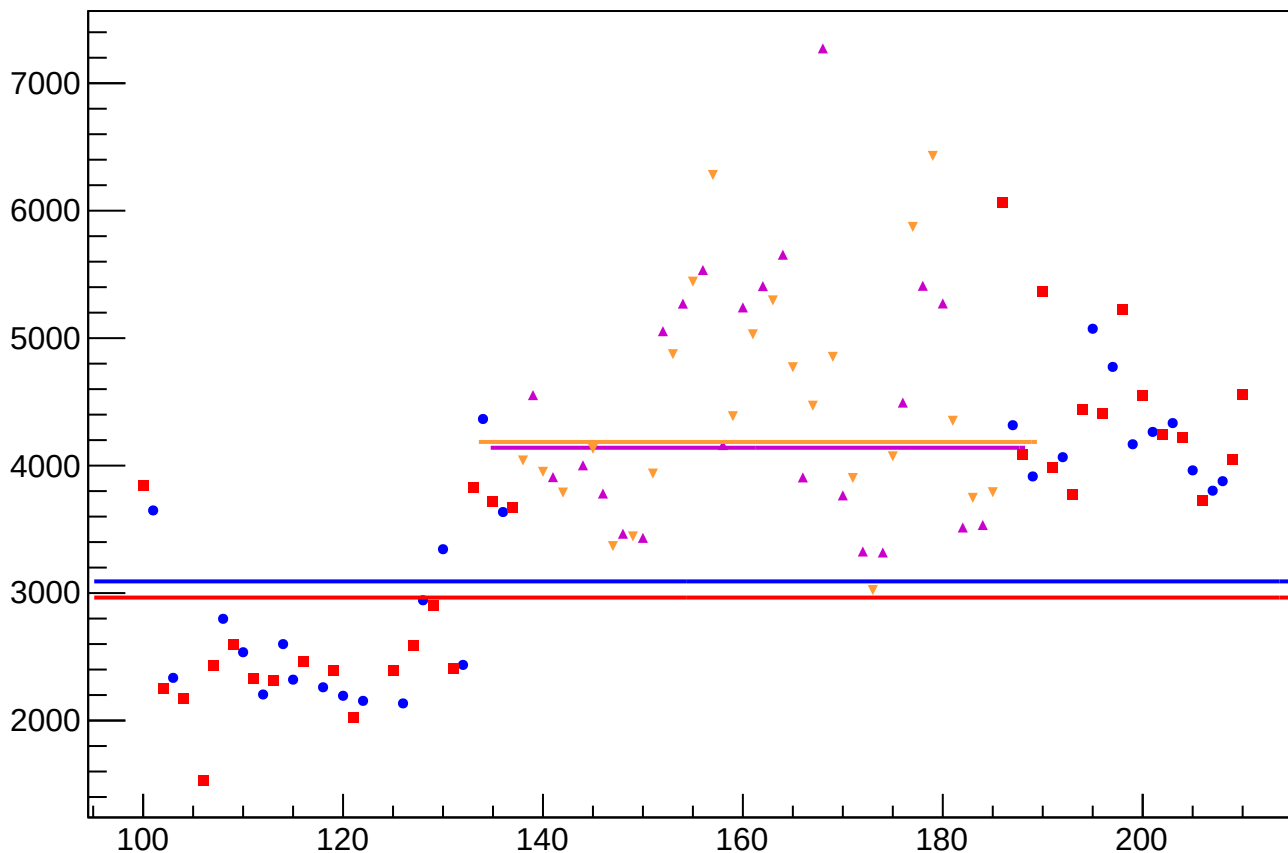
Left In: -266.236 ± 990.085 χ^2/NDF : 13.4/22

+ sign 156.427 ± 628.826 χ^2/NDF : 58.6/50

All: -222.210 ± 431.479 χ^2/NDF : 111.0/105

- sign -559.095 ± 593.143 χ^2/NDF : 51.7/54

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 3091.609+/-0.574 χ^2/NDF : 2415884.4/26

Left Out: 4185.664+/-0.704 χ^2/NDF : 1271247.4/23

Right Out: 2964.762+/-0.524 χ^2/NDF : 3721263.2/31

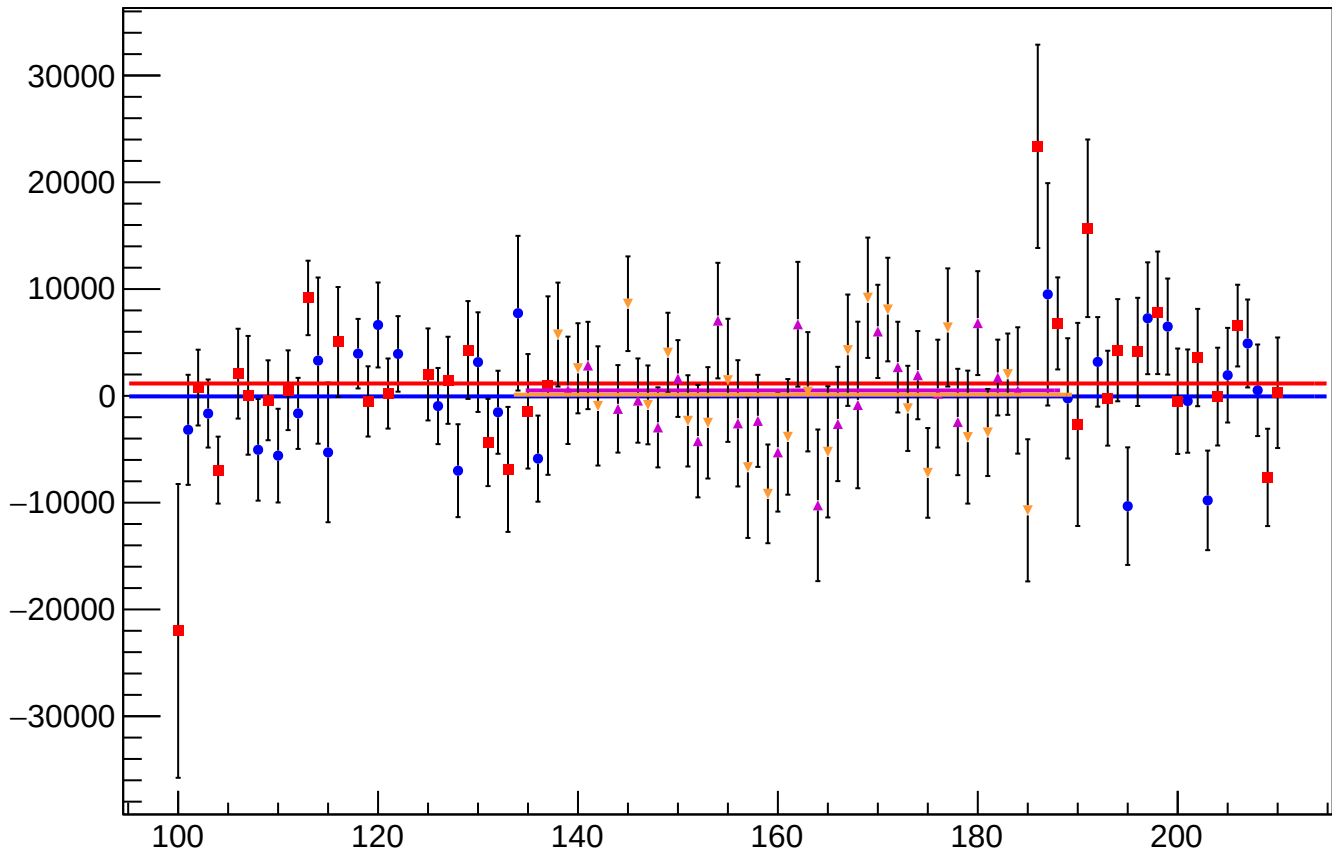
Left In: 4140.059+/-0.700 χ^2/NDF : 1449925.1/22

+ sign 3528.449+/-0.445 χ^2/NDF : 5139238.0/50

All: 3453.374+/-0.305 χ^2/NDF : 12171076.3/100

- sign 3386.578+/-0.419 χ^2/NDF : 6977967.1/54

asym_usl_atl2_dd_mean vs Slug



Right In: -51.837 ± 847.080 χ^2/NDF : 31.5/26

Left Out: 108.966 ± 975.598 χ^2/NDF : 28.0/23

Right Out: 1158.546 ± 798.496 χ^2/NDF : 39.3/31

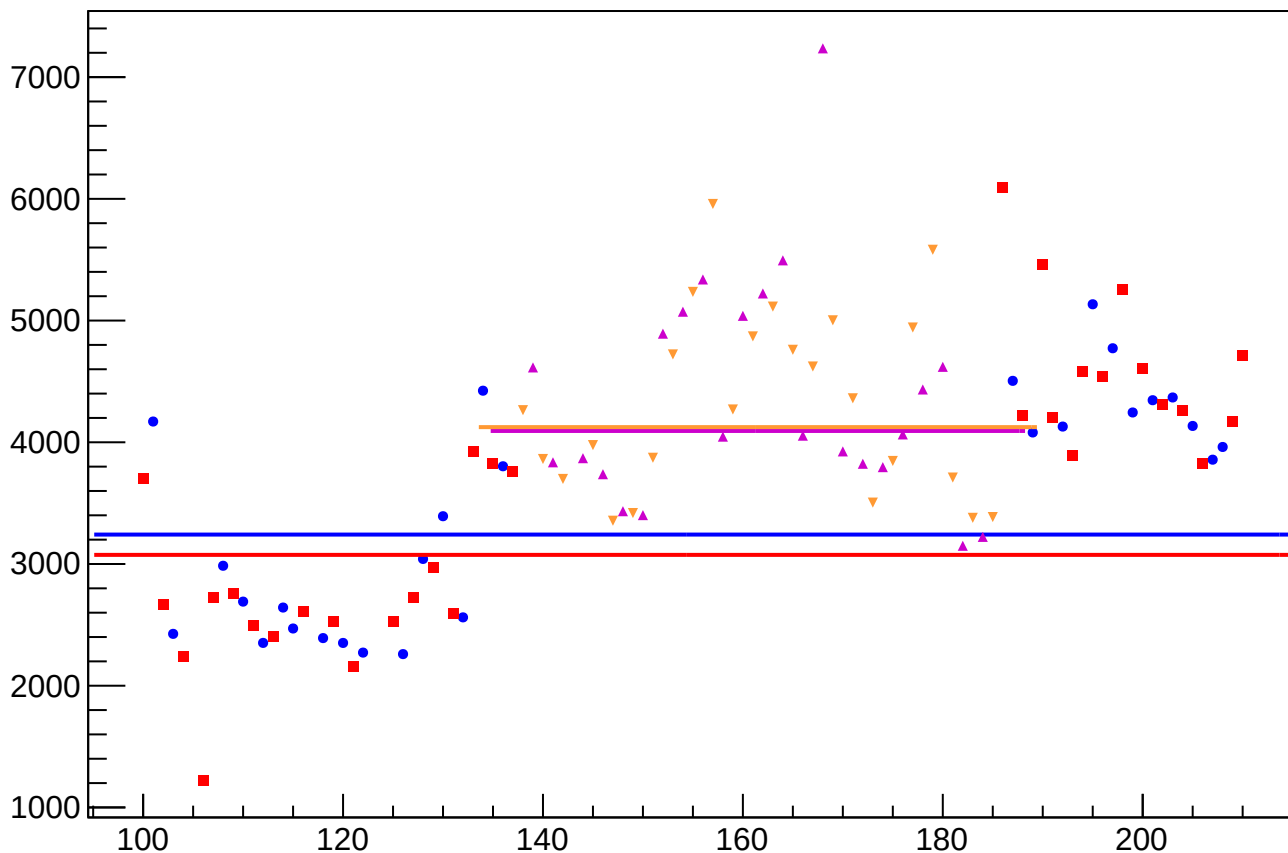
Left In: 509.024 ± 974.173 χ^2/NDF : 13.5/22

+ sign 17.282 ± 639.622 χ^2/NDF : 59.5/50

All: 472.853 ± 444.273 χ^2/NDF : 113.6/105

- sign 897.528 ± 617.553 χ^2/NDF : 53.1/54

asym_usl_atl2_dd_rms vs Slug



Right In: 3241.770+/-0.599 χ^2/NDF : 2187393.2/26

Left Out: 4124.485+/-0.690 χ^2/NDF : 969929.3/23

Right Out: 3074.951+/-0.547 χ^2/NDF : 3886987.6/31

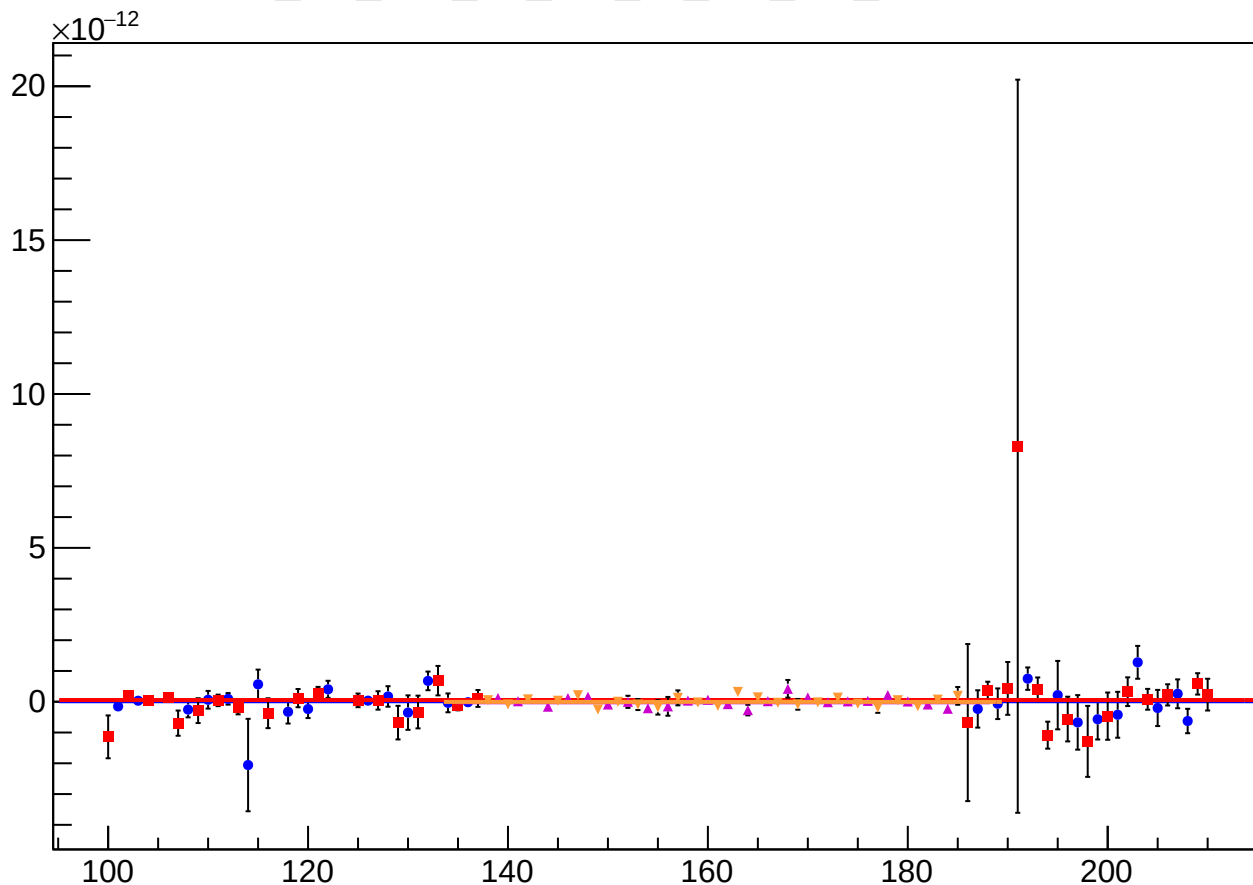
Left In: 4093.066+/-0.689 χ^2/NDF : 1162851.8/22

+ sign 3621.194+/-0.452 χ^2/NDF : 4090848.8/50

All: 3540.997+/-0.311 χ^2/NDF : 10539380.4/1

- sign 3468.997+/-0.429 χ^2/NDF : 6388862.2/54

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 30.1/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 24.2/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.1/31

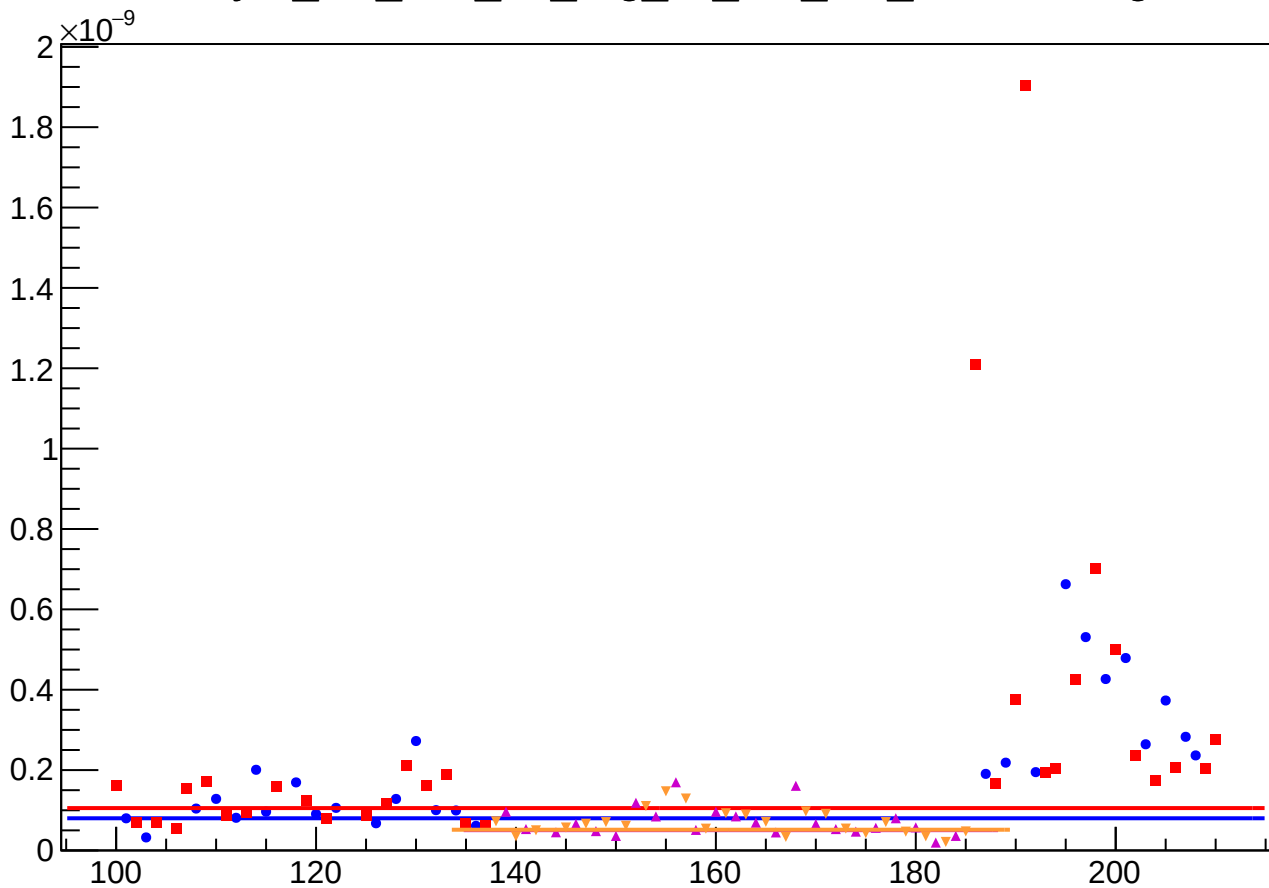
Left In: -0.000 ± 0.000 χ^2/NDF : 25.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 54.4/50

All: -0.000 ± 0.000 χ^2/NDF : 114.2/105

- sign -0.000 ± 0.000 χ^2/NDF : 59.7/54

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5489428.7/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 4194793.9/31

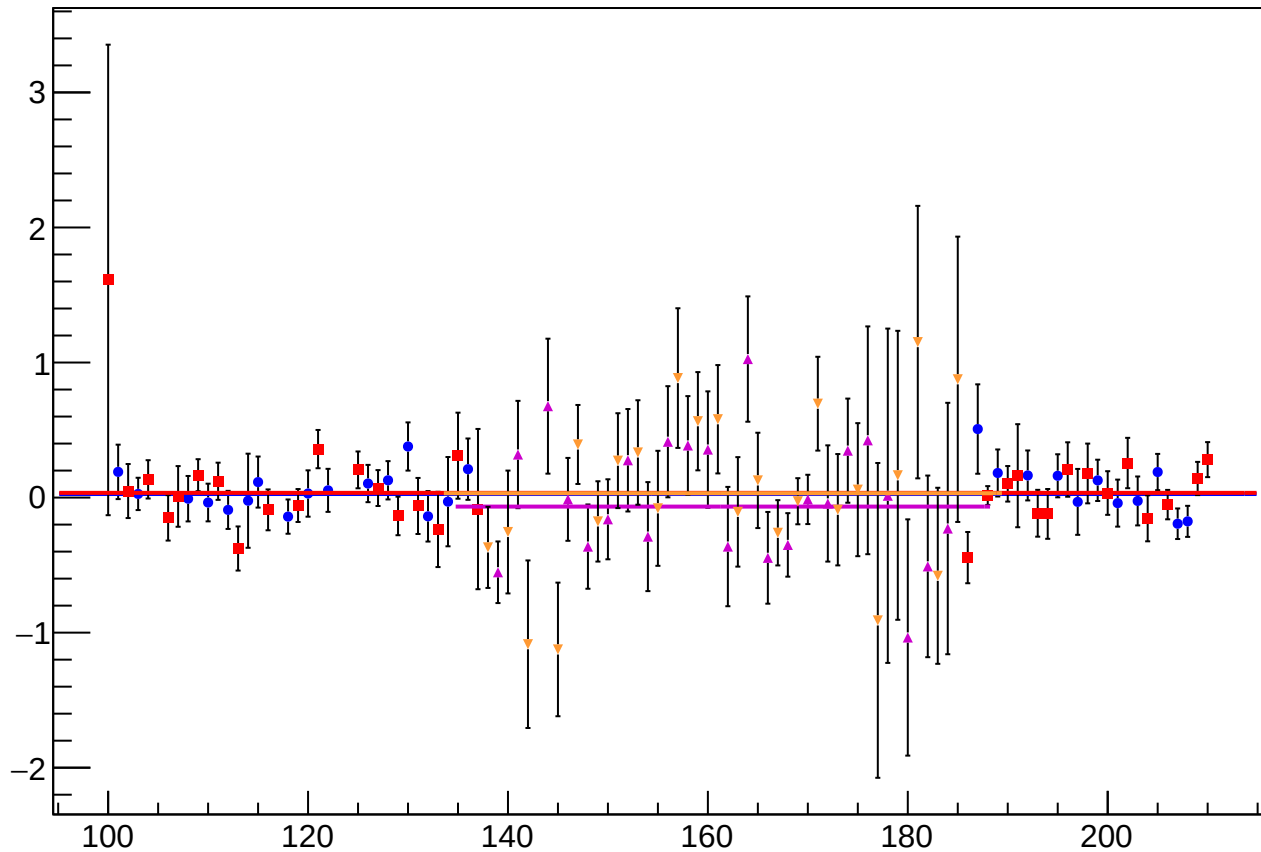
Left In: 0.000+/-0.000 χ^2/NDF : 2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 8463958.0/50

All: 0.000+/-0.000 χ^2/NDF : 17187319.2/105

- sign 0.000+/-0.000 χ^2/NDF : 8713100.8/54

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 ± 0.031 χ^2/NDF : 23.1/26

Left Out: 0.032 ± 0.076 χ^2/NDF : 29.7/23

Right Out: 0.035 ± 0.027 χ^2/NDF : 39.1/31

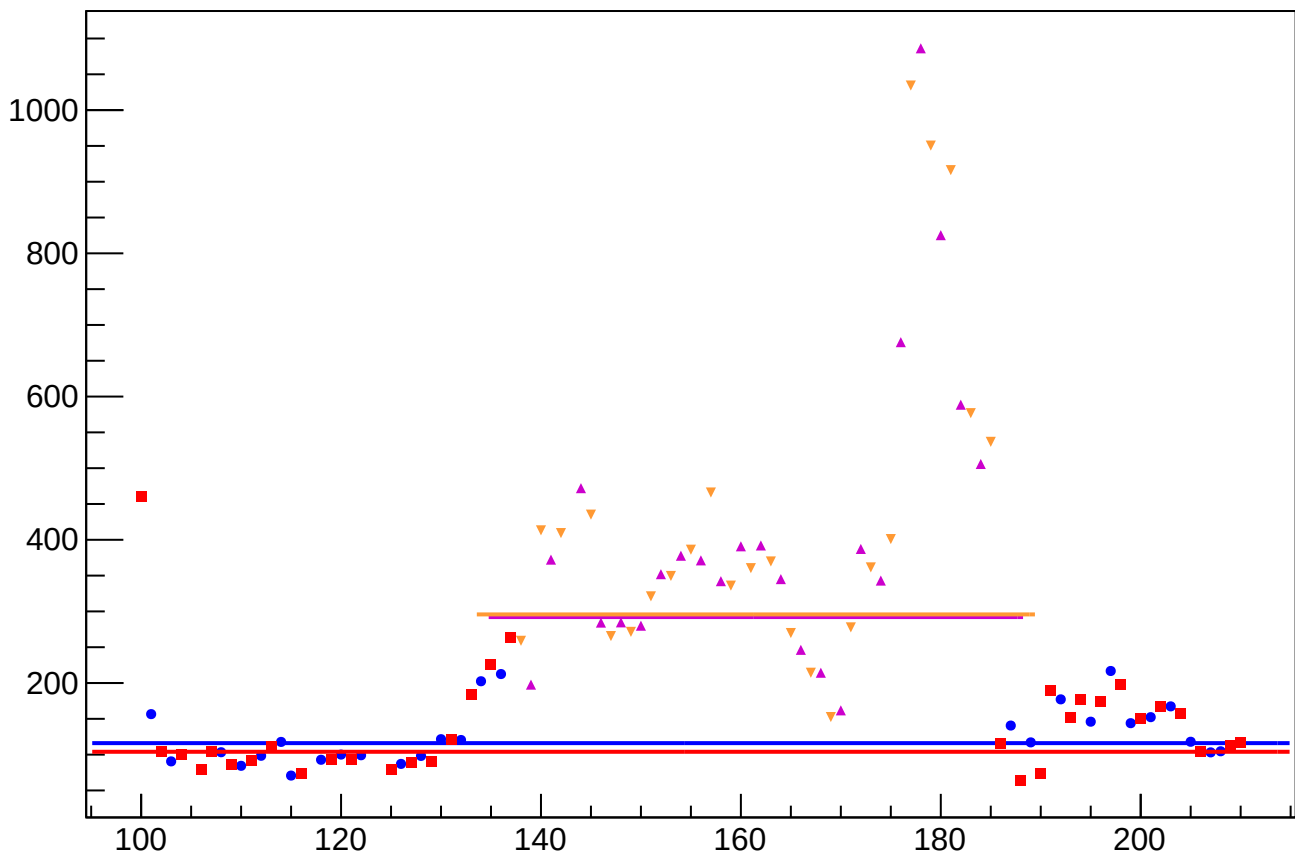
Left In: -0.067 ± 0.075 χ^2/NDF : 25.7/22

+ sign 0.027 ± 0.029 χ^2/NDF : 52.8/50

All: 0.025 ± 0.019 χ^2/NDF : 119.2/105

- sign 0.023 ± 0.025 χ^2/NDF : 66.5/54

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 116.066 ± 0.022 χ^2/NDF : 2160811.6/26

Left Out: 295.798 ± 0.054 χ^2/NDF : 5501077.8/23

Right Out: 103.985 ± 0.019 χ^2/NDF : 3601064.7/31

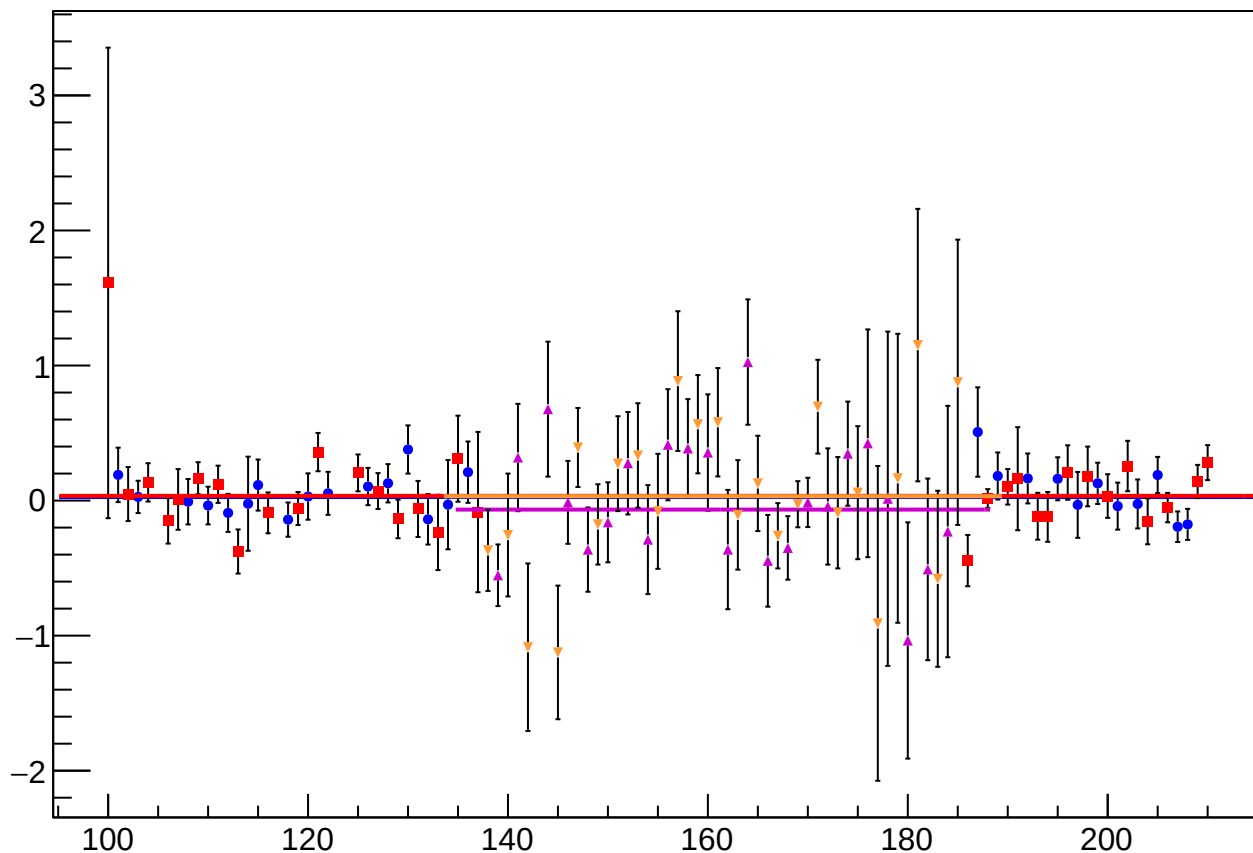
Left In: 292.100 ± 0.053 χ^2/NDF : 5055737.7/22

+ sign 141.778 ± 0.020 χ^2/NDF : 17245901.8/50

All: 132.678 ± 0.013 χ^2/NDF : 37477934.7/10

- sign 125.611 ± 0.018 χ^2/NDF : 19875964.2/54

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 ± 0.031 χ^2/NDF : 23.1/26

Left Out: 0.032 ± 0.076 χ^2/NDF : 29.7/23

Right Out: 0.035 ± 0.027 χ^2/NDF : 39.1/31

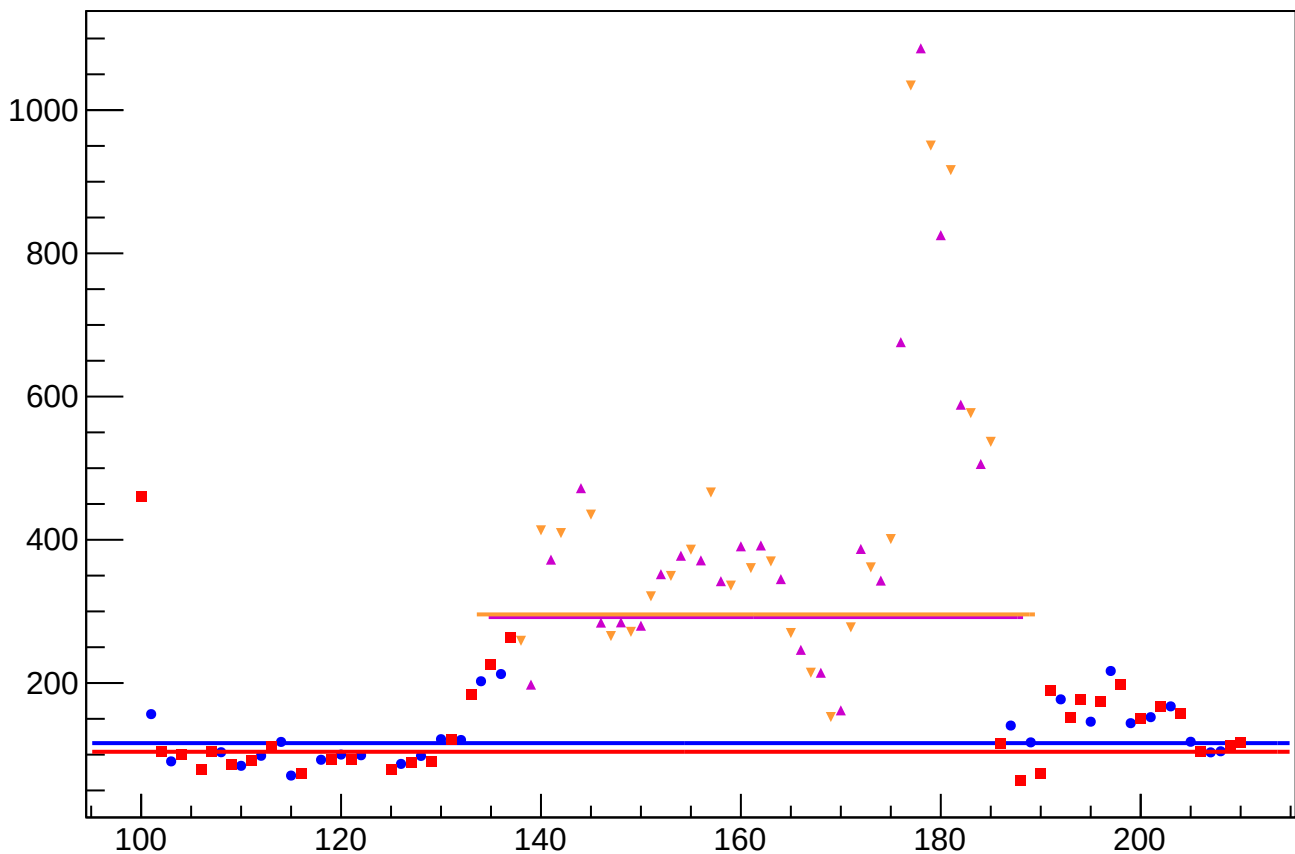
Left In: -0.067 ± 0.075 χ^2/NDF : 25.7/22

+ sign 0.027 ± 0.029 χ^2/NDF : 52.8/50

All: 0.025 ± 0.019 χ^2/NDF : 119.2/105

- sign 0.023 ± 0.025 χ^2/NDF : 66.5/54

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 116.066+/-0.022 χ^2/NDF : 2160811.6/26

Left Out: 295.798+/-0.054 χ^2/NDF : 5501077.8/23

Right Out: 103.985+/-0.019 χ^2/NDF : 3601064.7/31

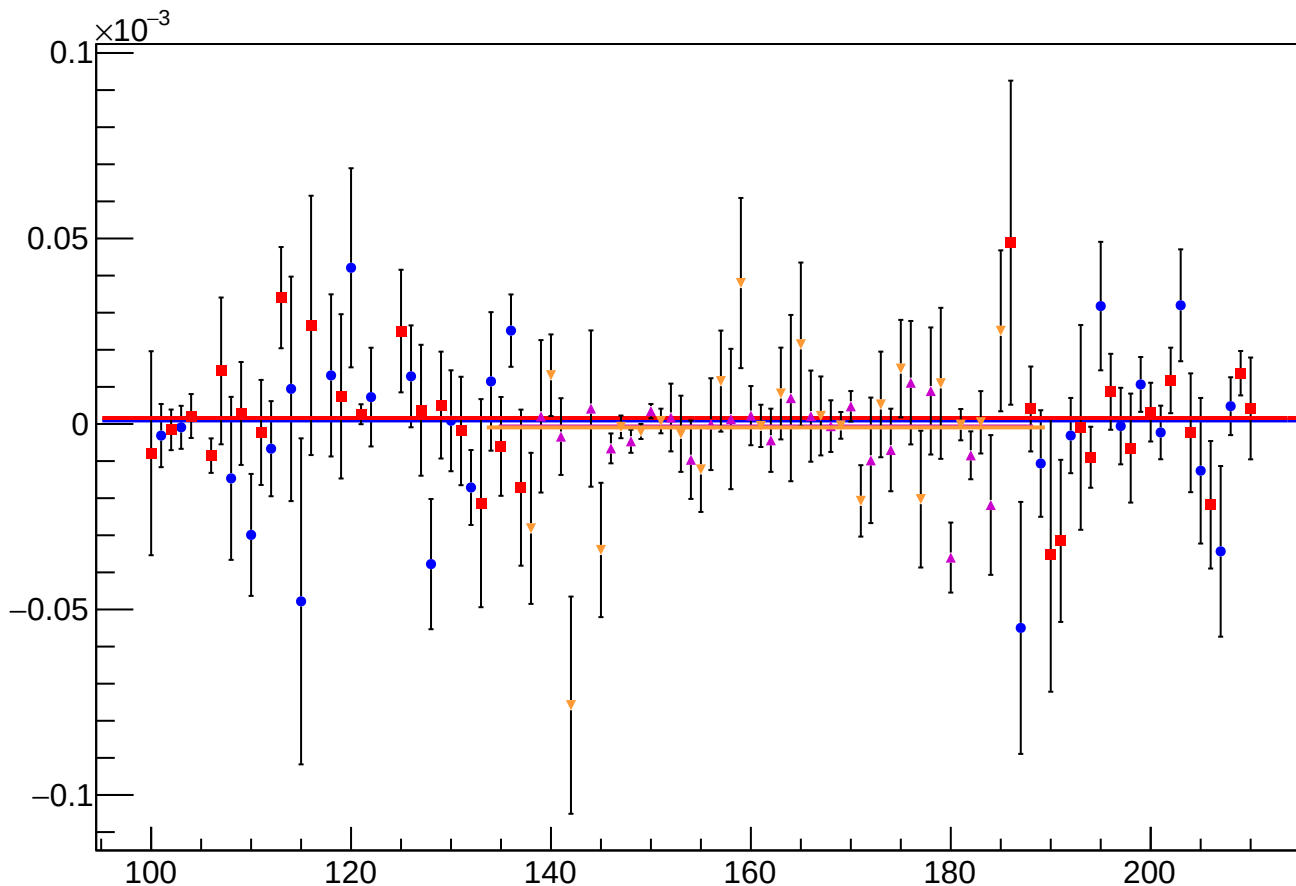
Left In: 292.100+/-0.053 χ^2/NDF : 5055737.7/22

+ sign 141.778+/-0.020 χ^2/NDF : 17245901.8/50

All: 132.678+/-0.013 χ^2/NDF : 37477934.7/10

- sign 125.611+/-0.018 χ^2/NDF : 19875964.2/54

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 40.2/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 29.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 30.4/31

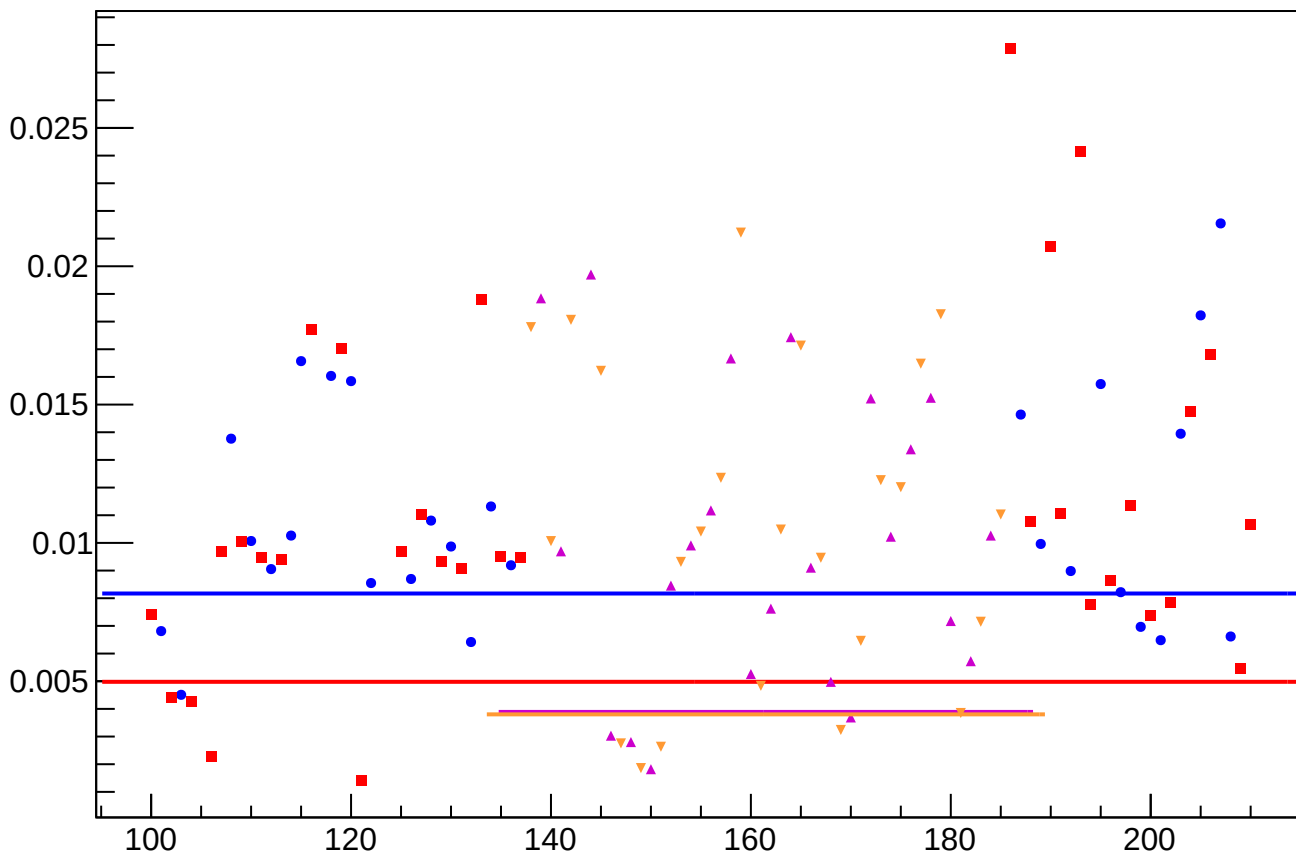
Left In: -0.000 ± 0.000 χ^2/NDF : 29.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 69.8/50

All: -0.000 ± 0.000 χ^2/NDF : 131.5/105

- sign 0.000 ± 0.000 χ^2/NDF : 61.5/54

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 3975897.9/26

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:14624926.4/23

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 13349240.0/31

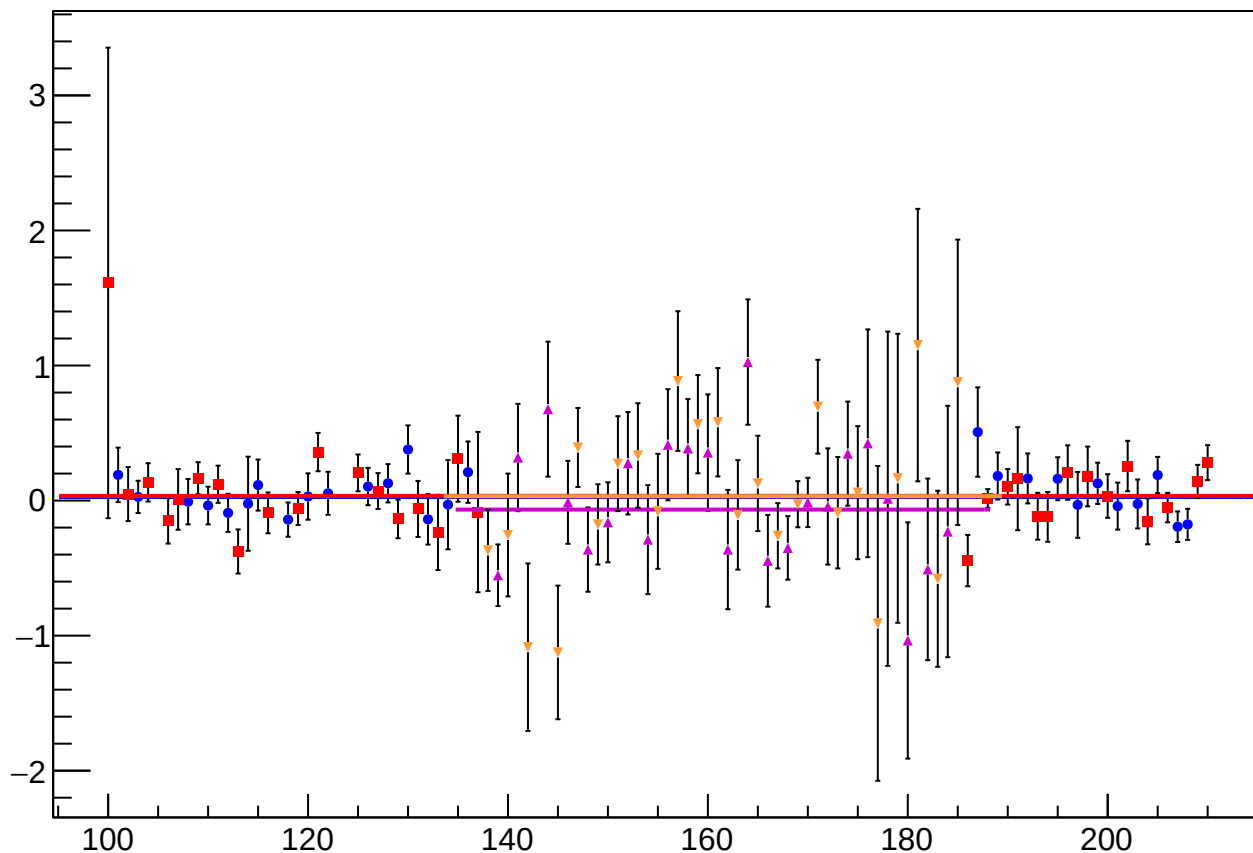
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:13523554.3/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 24410850.0/50

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 52066143.9/105

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 27465799.2/54

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 ± 0.031 χ^2/NDF : 23.1/26

Left Out: 0.032 ± 0.076 χ^2/NDF : 29.7/23

Right Out: 0.035 ± 0.027 χ^2/NDF : 39.1/31

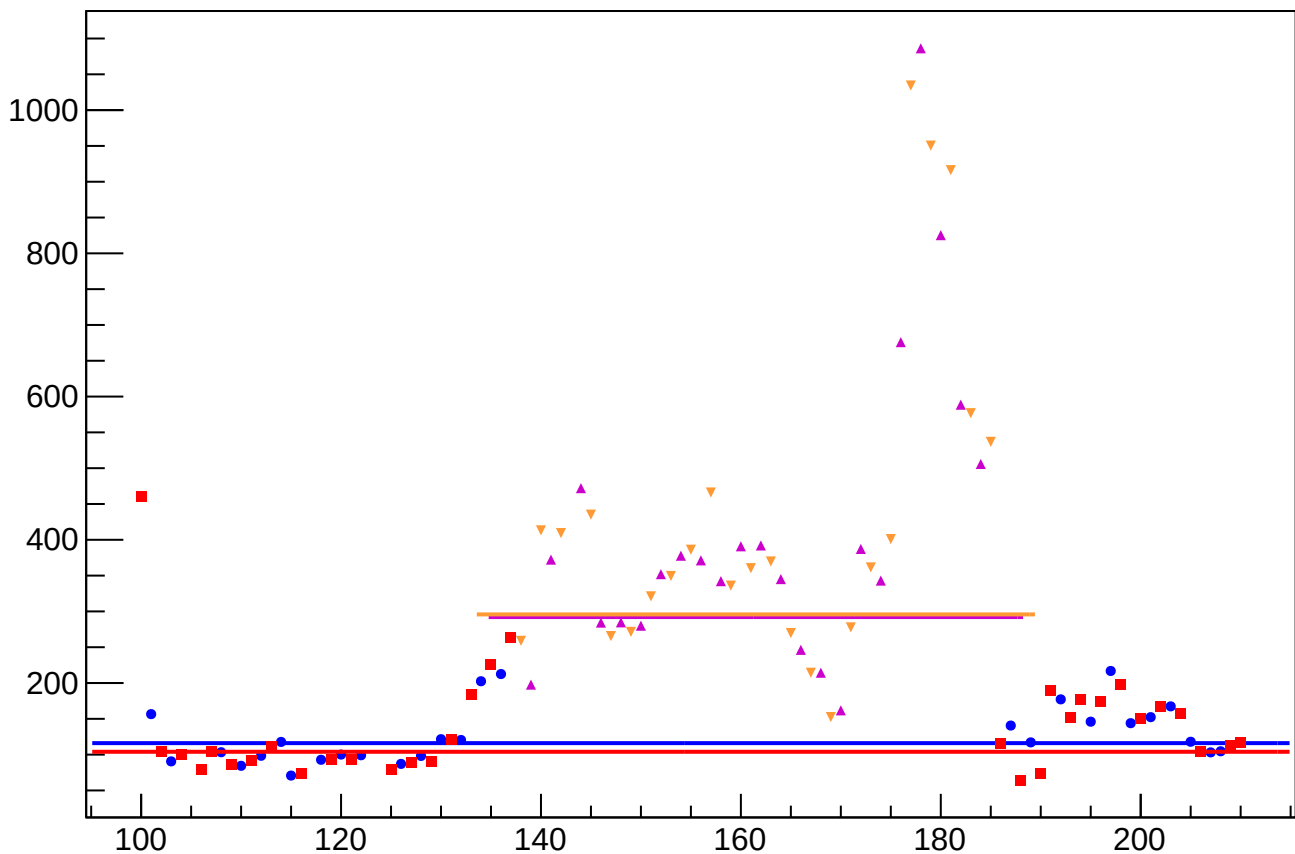
Left In: -0.067 ± 0.075 χ^2/NDF : 25.7/22

+ sign 0.027 ± 0.029 χ^2/NDF : 52.8/50

All: 0.025 ± 0.019 χ^2/NDF : 119.2/105

- sign 0.023 ± 0.025 χ^2/NDF : 66.5/54

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 116.067+/-0.022 χ^2/NDF : 2160767.6/26

Left Out: 295.800+/-0.054 χ^2/NDF : 5501139.3/23

Right Out: 103.984+/-0.019 χ^2/NDF : 3601234.8/31

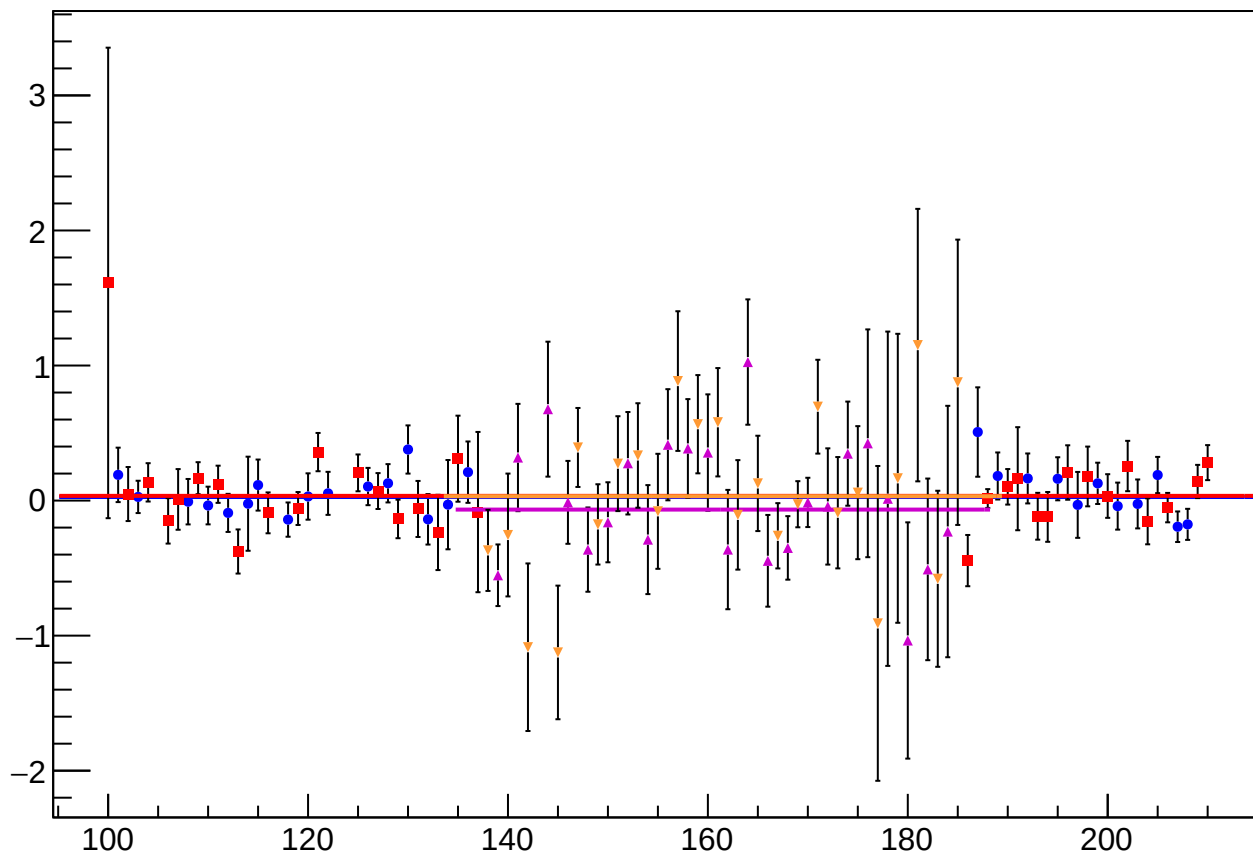
Left In: 292.103+/-0.053 χ^2/NDF : 5055695.7/22

+ sign 141.779+/-0.020 χ^2/NDF : 17245933.2/50

All: 132.677+/-0.013 χ^2/NDF : 37478565.2/10

- sign 125.609+/-0.018 χ^2/NDF : 19876466.1/54

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 ± 0.031 χ^2/NDF : 23.1/26

Left Out: 0.032 ± 0.076 χ^2/NDF : 29.7/23

Right Out: 0.035 ± 0.027 χ^2/NDF : 39.1/31

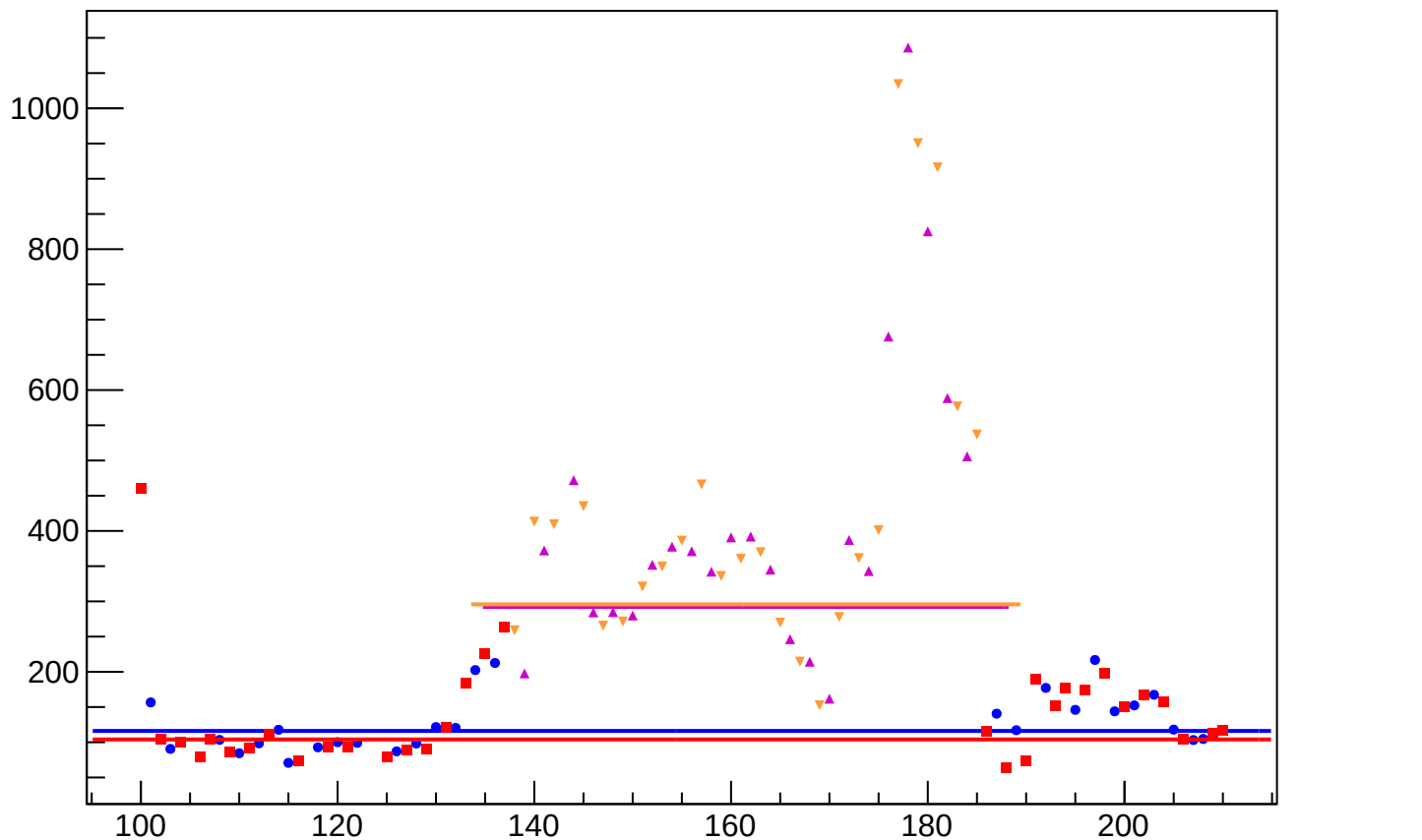
Left In: -0.067 ± 0.075 χ^2/NDF : 25.7/22

+ sign 0.027 ± 0.029 χ^2/NDF : 52.8/50

All: 0.025 ± 0.019 χ^2/NDF : 119.2/105

- sign 0.023 ± 0.025 χ^2/NDF : 66.5/54

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 116.067+/-0.022 χ^2/NDF : 2160767.6/26

Left Out: 295.800+/-0.054 χ^2/NDF : 5501139.3/23

Right Out: 103.984+/-0.019 χ^2/NDF : 3601234.8/31

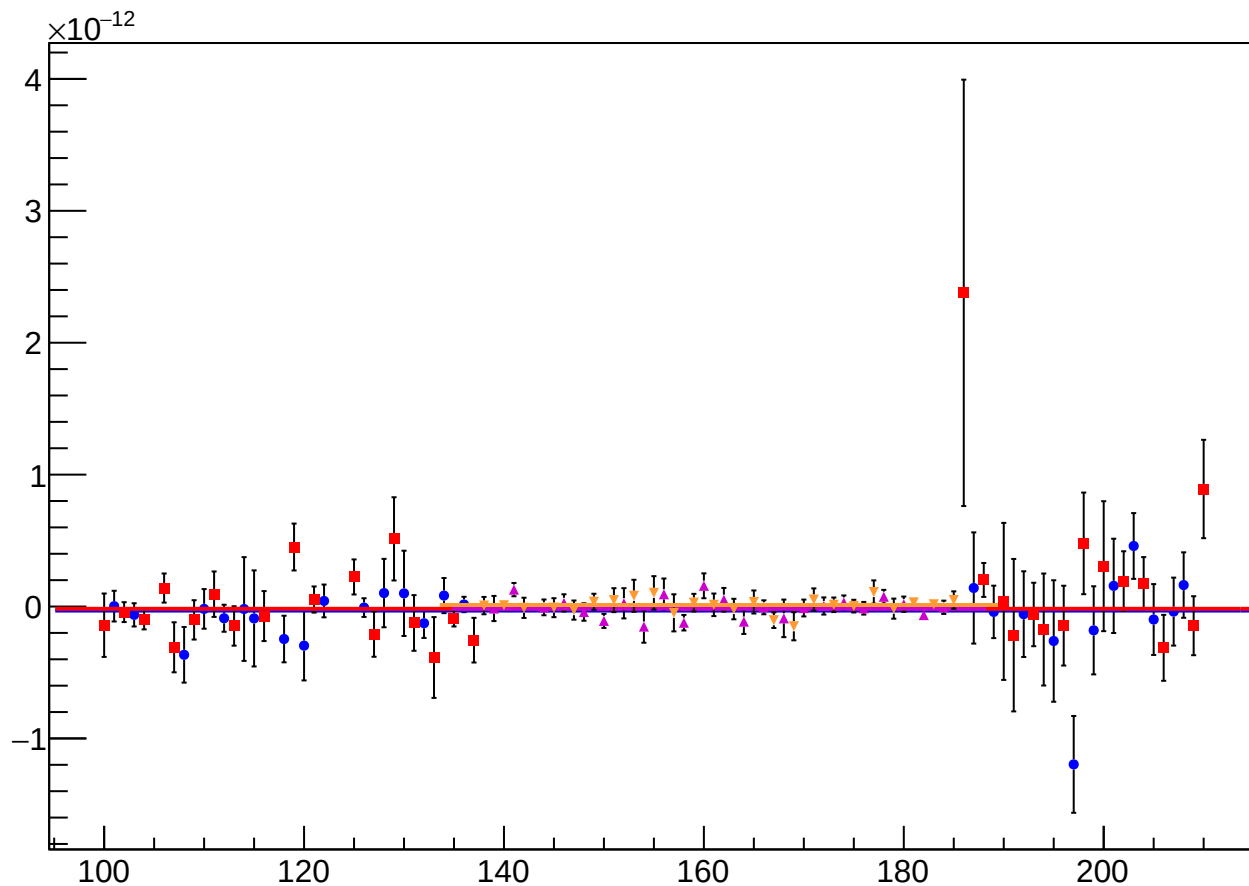
Left In: 292.103+/-0.053 χ^2/NDF : 5055695.7/22

+ sign 141.779+/-0.020 χ^2/NDF : 17245933.2/50

All: 132.677+/-0.013 χ^2/NDF : 37478565.2/10

- sign 125.609+/-0.018 χ^2/NDF : 19876466.1/54

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.1/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 10.6/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 44.7/31

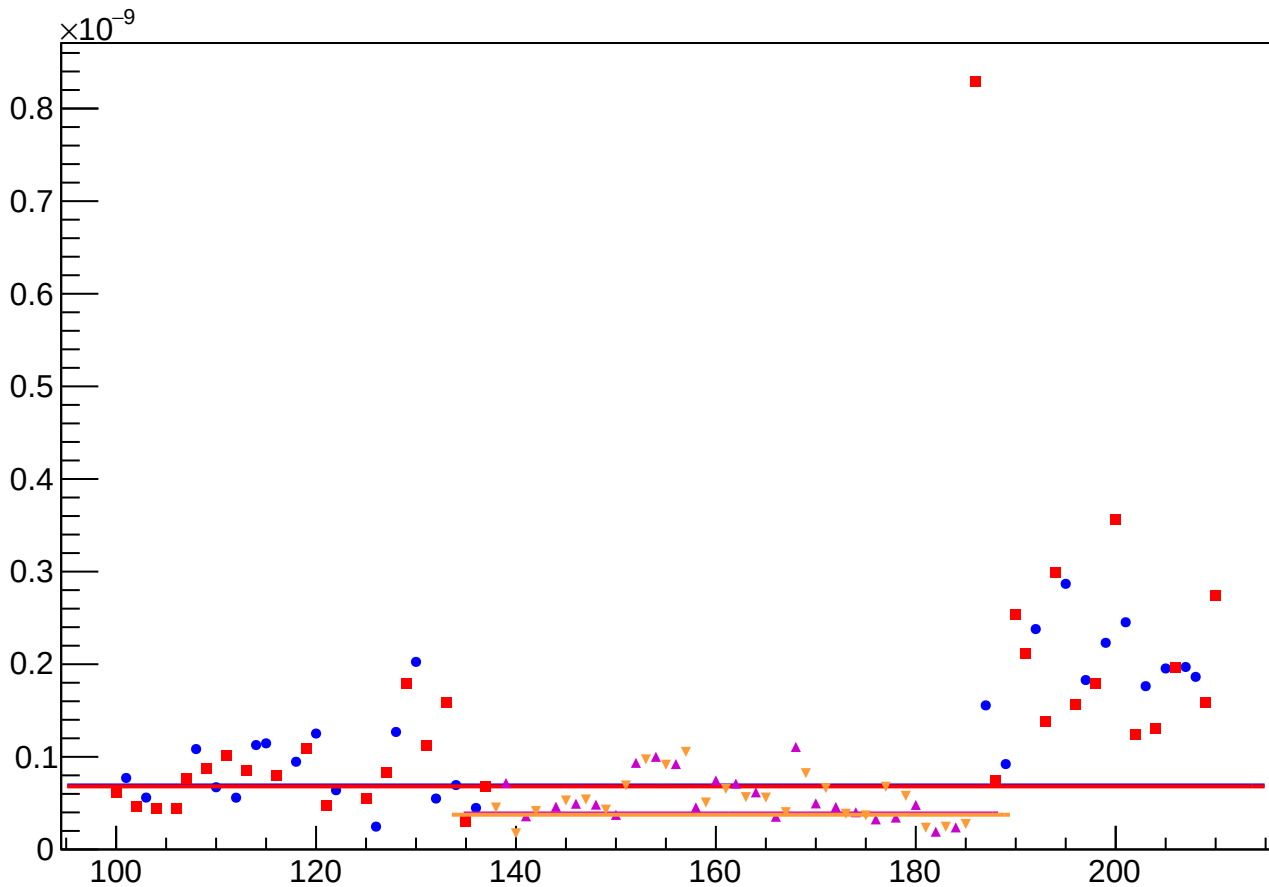
Left In: -0.000 ± 0.000 χ^2/NDF : 30.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 36.6/50

All: -0.000 ± 0.000 χ^2/NDF : 113.9/105

- sign -0.000 ± 0.000 χ^2/NDF : 75.6/54

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 5909801.9/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 4983727.4/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 6483527.3/31

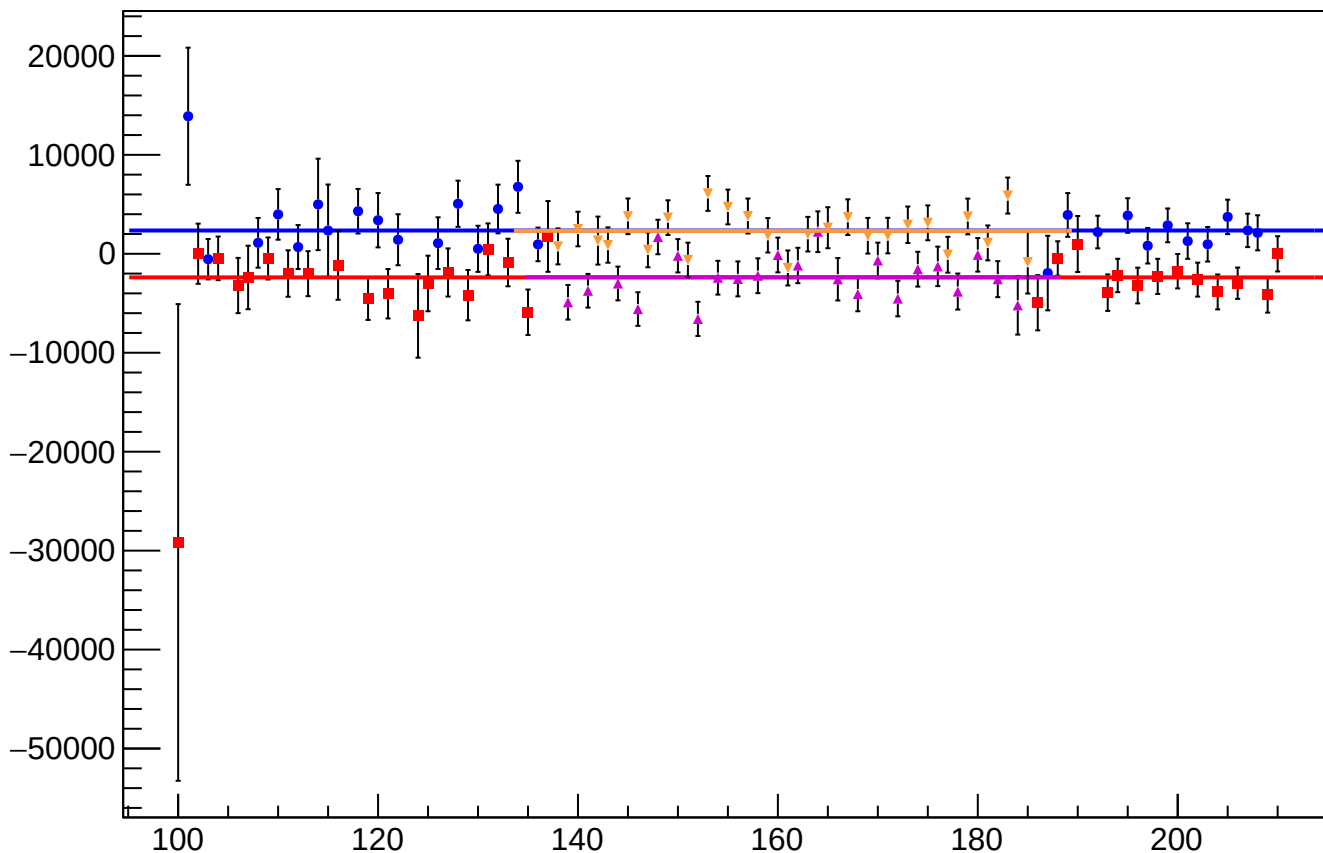
Left In: 0.000 ± 0.000 χ^2/NDF : 4577795.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 13046676.2/50

All: 0.000 ± 0.000 χ^2/NDF : 26123087.9/105

- sign 0.000 ± 0.000 χ^2/NDF : 13058429.5/54

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2353.283+/-415.977 χ^2/NDF : 18.9/26

Left Out: 2321.067+/-366.301 χ^2/NDF : 27.5/24

Right Out: -2384.990+/-390.084 χ^2/NDF : 20.0/31

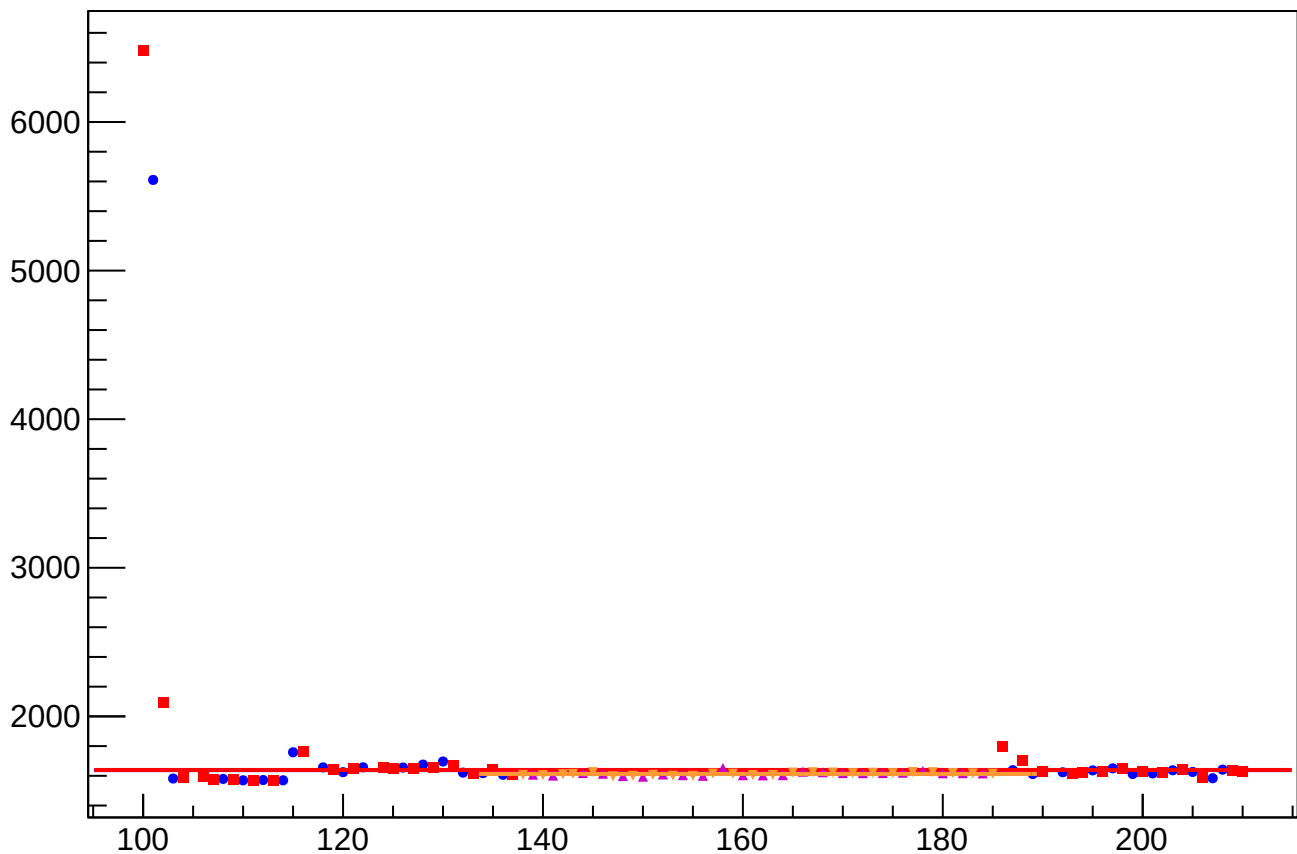
Left In: -2370.629+/-376.798 χ^2/NDF : 33.7/22

+ sign 2335.137+/-274.908 χ^2/NDF : 46.4/51

All: -54.844+/-192.997 χ^2/NDF : 249.2/106

- sign -2377.561+/-271.012 χ^2/NDF : 53.8/54

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1638.354+/-0.294 χ^2/NDF : 671420.0/26

Left Out: 1612.607+/-0.259 χ^2/NDF : 1172.5/24

Right Out: 1639.410+/-0.276 χ^2/NDF : 148761.4/31

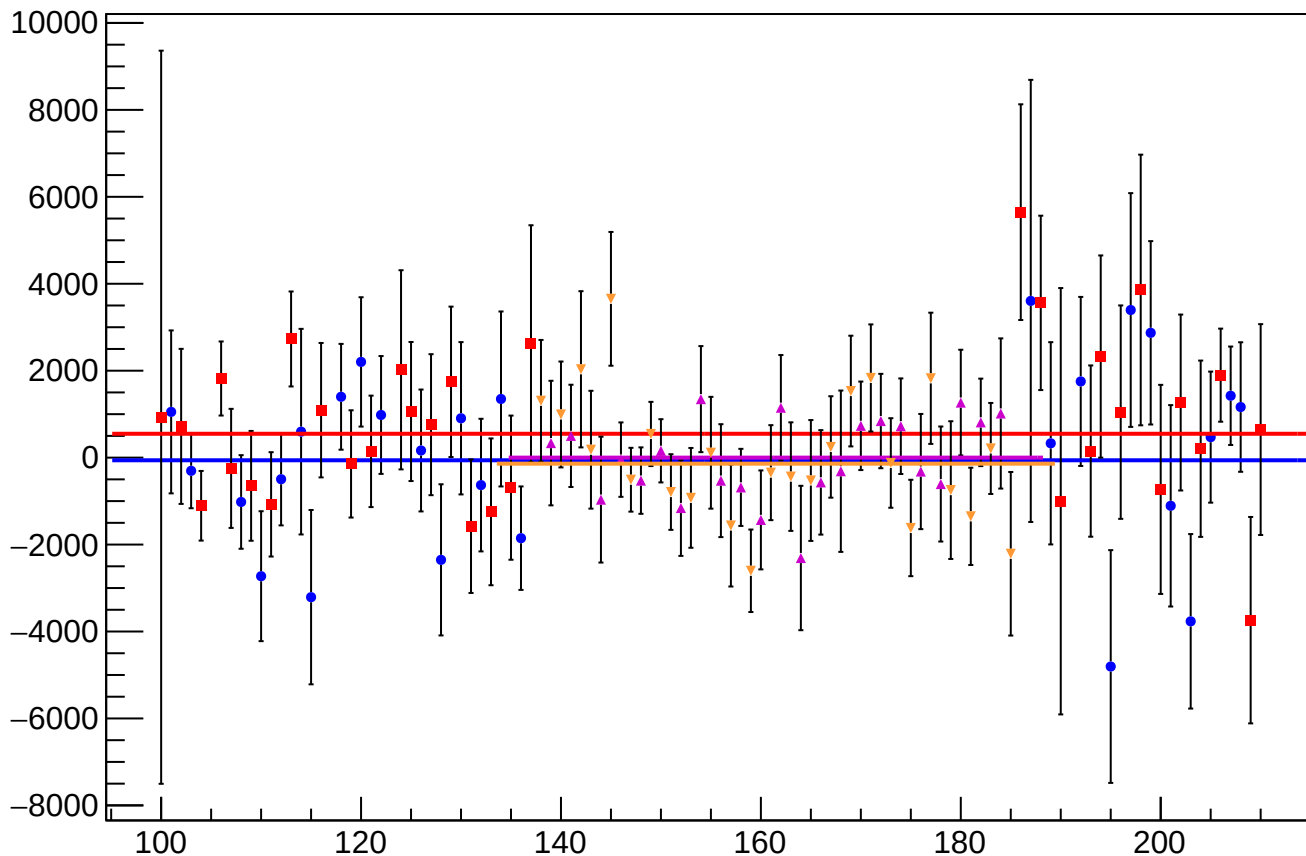
Left In: 1613.793+/-0.266 χ^2/NDF : 2354.6/22

+ sign 1623.852+/-0.194 χ^2/NDF : 676907.9/51

All: 1625.022+/-0.136 χ^2/NDF : 832557.4/100

- sign 1626.158+/-0.192 χ^2/NDF : 155578.1/54

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -60.766 ± 293.935 χ^2/NDF : 30.7/26

Left Out: -139.022 ± 229.126 χ^2/NDF : 30.2/24

Right Out: 549.031 ± 274.689 χ^2/NDF : 33.0/31

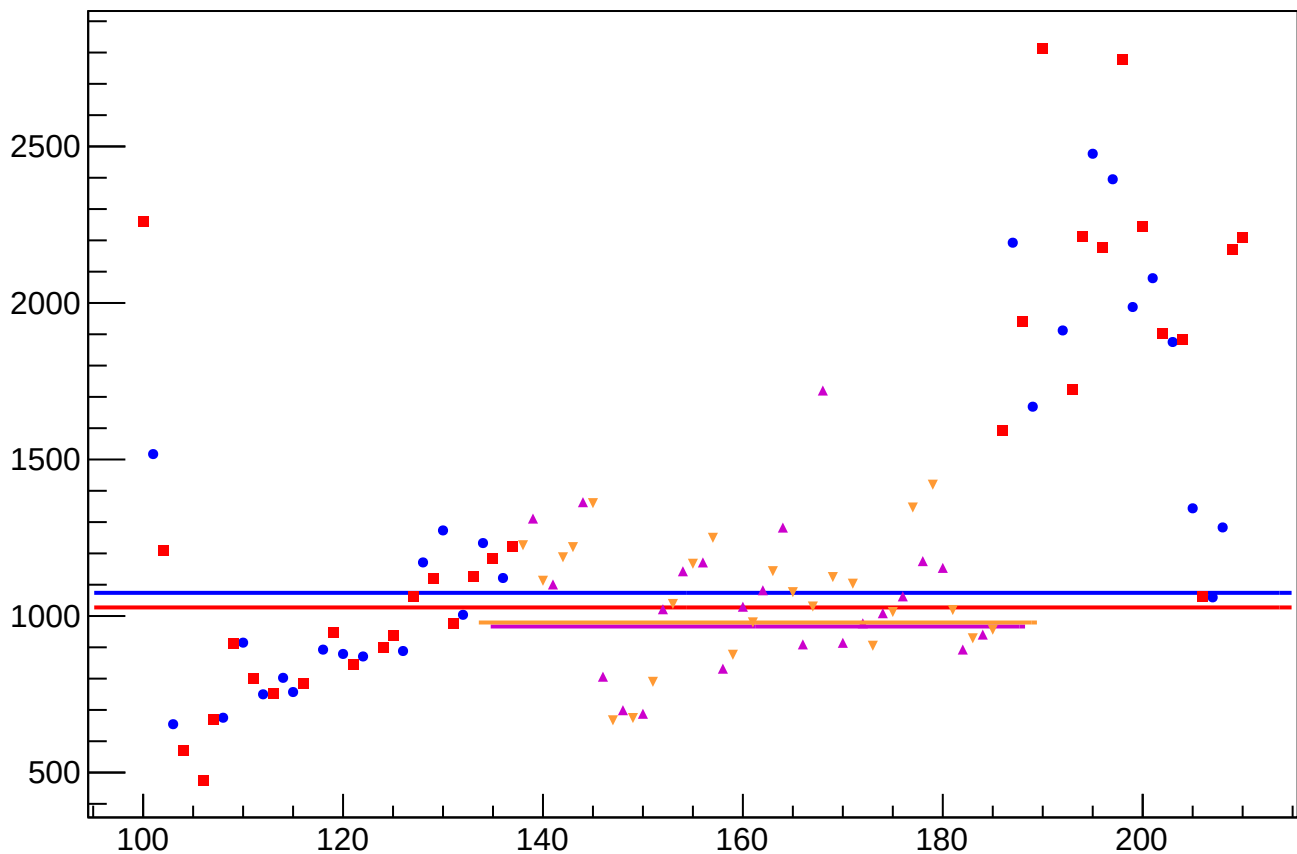
Left In: 0.092 ± 231.903 χ^2/NDF : 12.9/22

+ sign -109.443 ± 180.709 χ^2/NDF : 60.9/51

All: 62.857 ± 126.521 χ^2/NDF : 110.8/106

- sign 228.527 ± 177.199 χ^2/NDF : 48.2/54

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1074.039 $\pm$ 0.208 χ^2 /NDF: 4163011.6/26

Left Out: 979.294 $\pm$ 0.162 χ^2 /NDF:1630623.2/24

Right Out: 1027.405 $\pm$ 0.194 χ^2 /NDF: 6870320.5/31

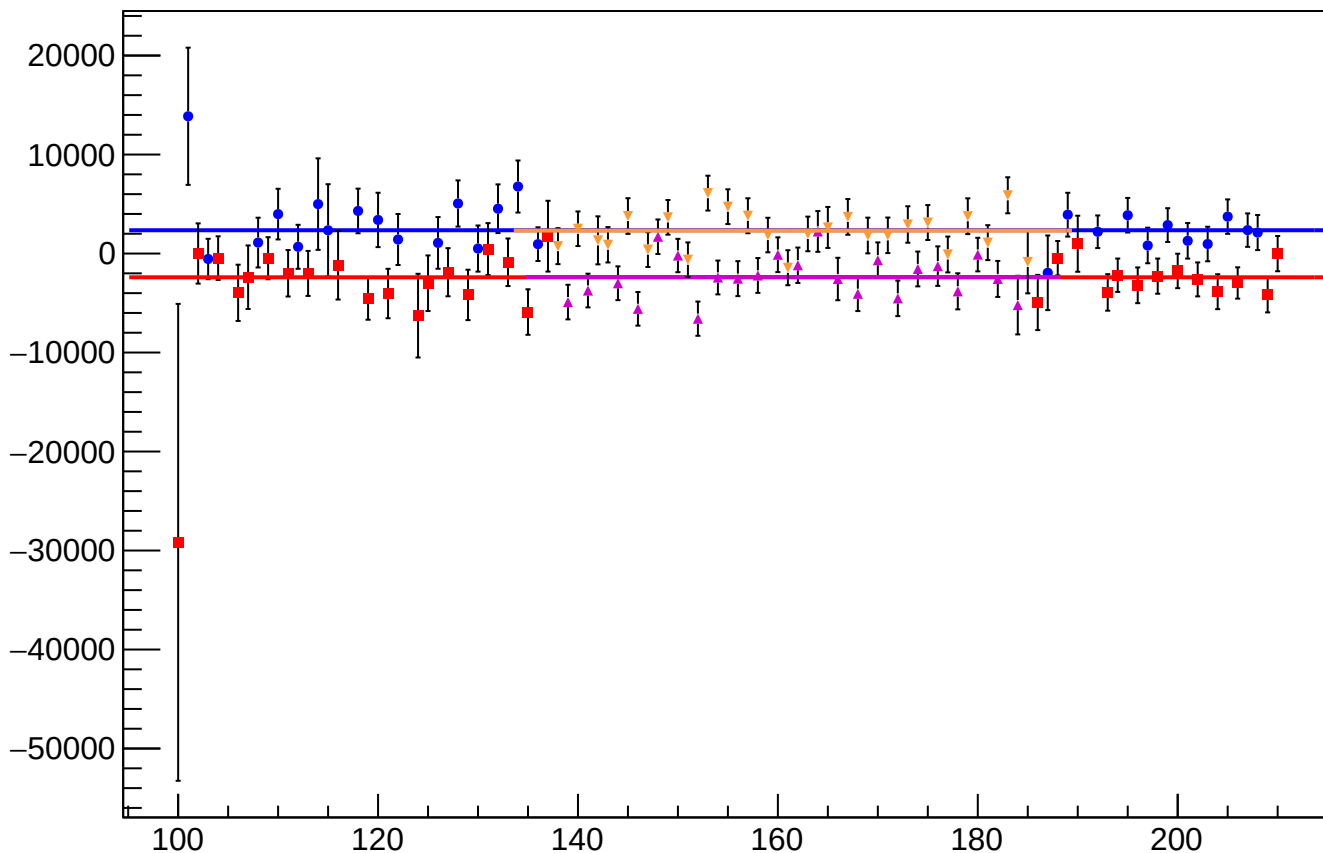
Left In: 966.526 $\pm$ 0.164 χ^2 /NDF:1602596.2/22

+ sign 1015.105 $\pm$ 0.128 χ^2 /NDF: 5922891.0/51

All: 1003.255 $\pm$ 0.089 χ^2 /NDF: 14470036.1/100

- sign 991.860 $\pm$ 0.125 χ^2 /NDF: 8530274.2/54

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2353.051 $\pm$ 415.977 χ^2/NDF : 18.9/26

Left Out: 2321.025 $\pm$ 366.301 χ^2/NDF : 27.5/24

Right Out: -2398.966 $\pm$ 390.216 χ^2/NDF : 20.2/31

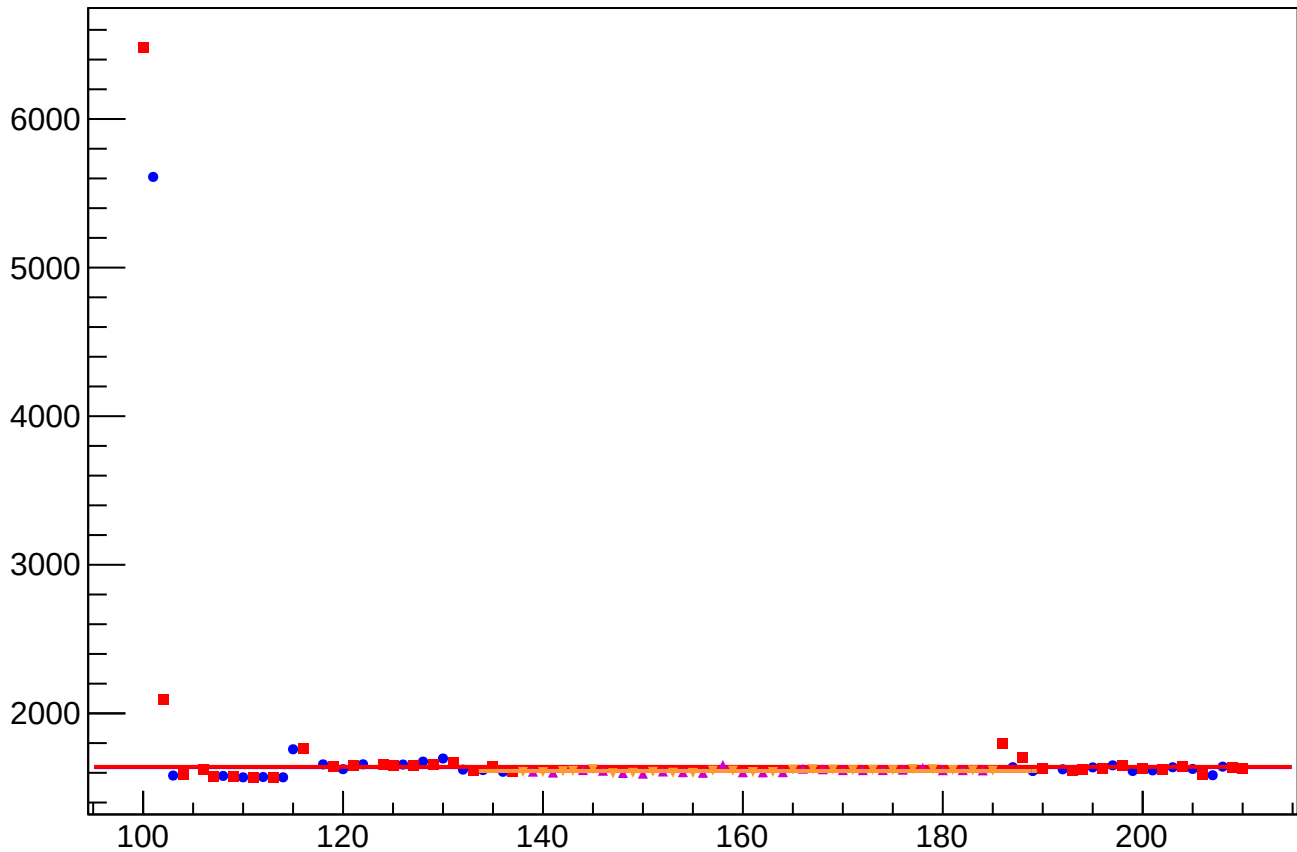
Left In: -2370.700 $\pm$ 376.798 χ^2/NDF : 33.7/22

+ sign 2335.012 $\pm$ 274.908 χ^2/NDF : 46.4/51

All: -57.960 $\pm$ 193.013 χ^2/NDF : 249.8/106

- sign -2384.338 $\pm$ 271.056 χ^2/NDF : 54.0/54

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1638.354+/-0.294 χ^2/NDF : 671419.5/26

Left Out: 1612.607+/-0.259 χ^2/NDF : 1172.5/24

Right Out: 1639.941+/-0.276 χ^2/NDF : 148308.3/31

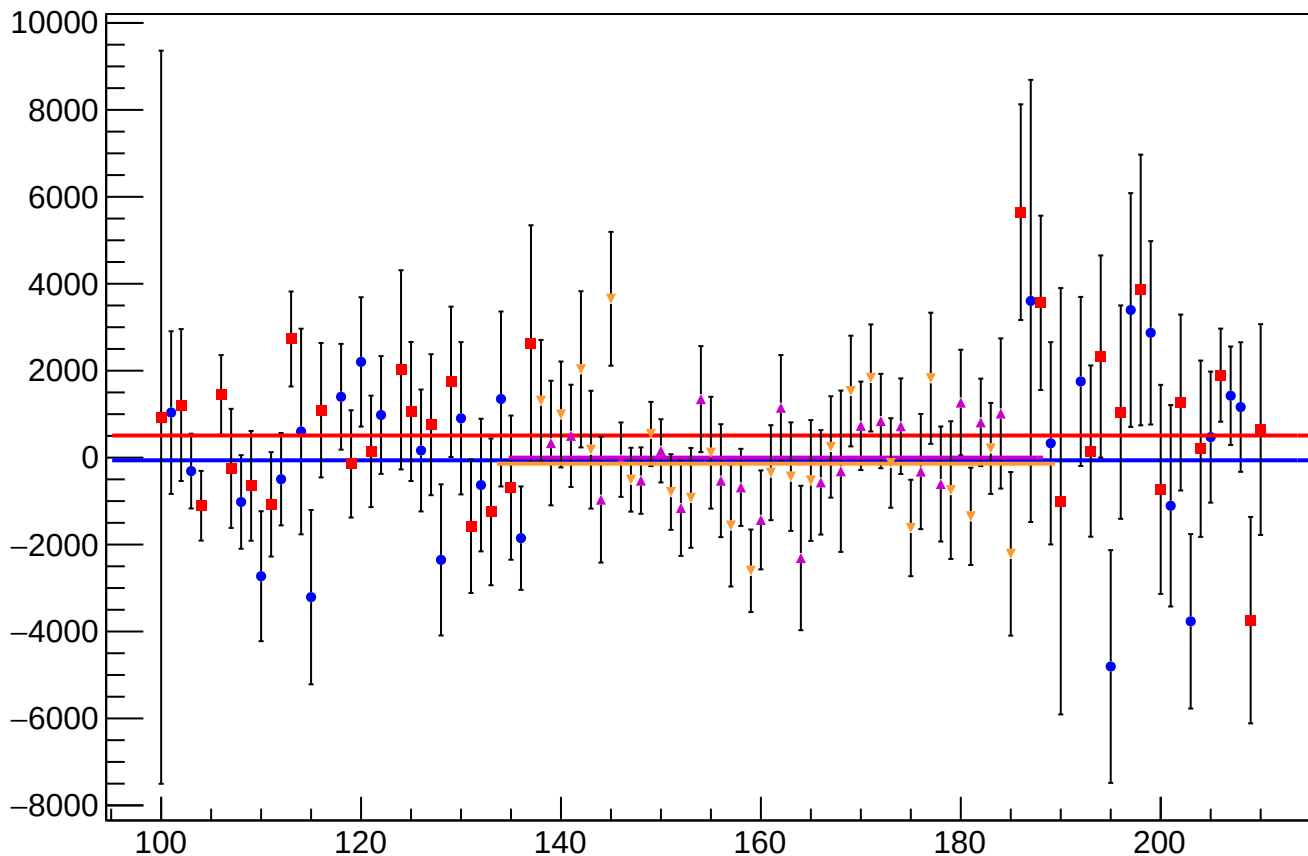
Left In: 1613.793+/-0.266 χ^2/NDF : 2354.6/22

+ sign 1623.852+/-0.194 χ^2/NDF : 676907.4/51

All: 1625.149+/-0.136 χ^2/NDF : 832305.4/100

- sign 1626.410+/-0.192 χ^2/NDF : 155310.2/54

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -61.771 ± 293.906 χ^2/NDF : 30.7/26

Left Out: -139.074 ± 229.125 χ^2/NDF : 30.2/24

Right Out: 509.042 ± 276.558 χ^2/NDF : 31.8/31

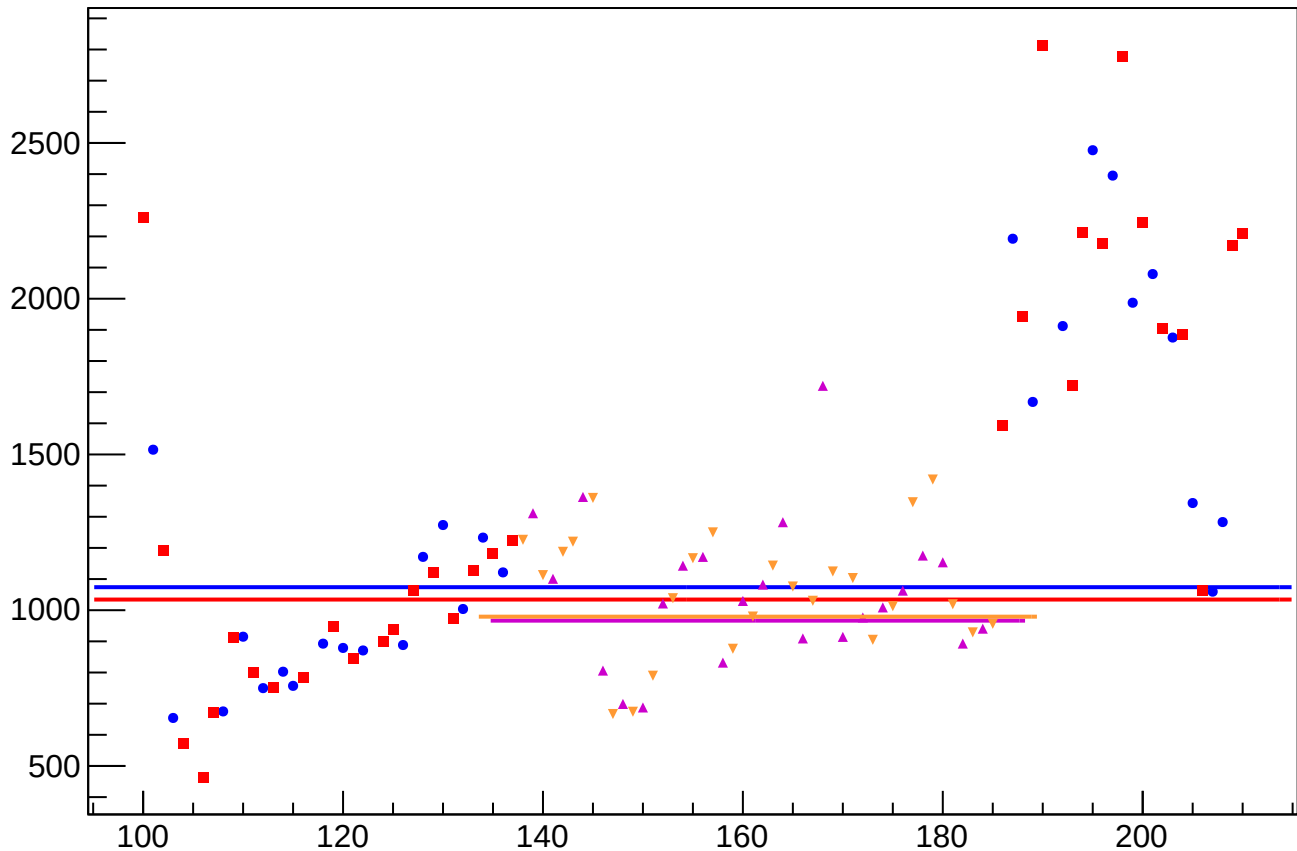
Left In: 0.068 ± 231.904 χ^2/NDF : 12.9/22

+ sign -109.852 ± 180.702 χ^2/NDF : 60.9/51

All: 52.856 ± 126.700 χ^2/NDF : 109.1/106

- sign 210.199 ± 177.698 χ^2/NDF : 46.6/54

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1073.930+/-0.208 χ^2/NDF : 4163562.5/26

Left Out: 979.288+/-0.162 χ^2/NDF :1630731.2/24

+ sign 1015.064+/-0.128 χ^2/NDF : 5923285.3/51

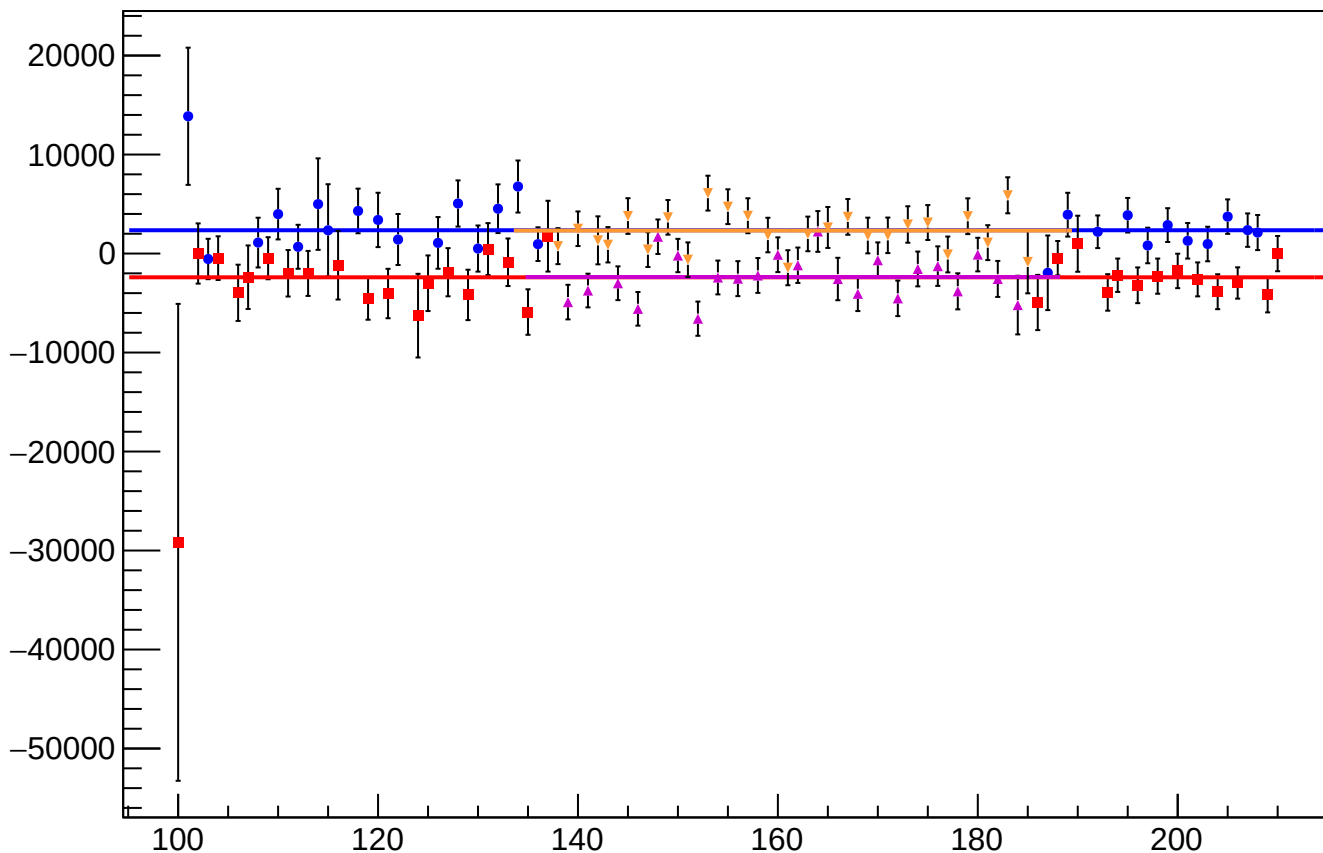
Right Out: 1034.223+/-0.196 χ^2/NDF : 6777861.1/31

All: 1004.599+/-0.090 χ^2/NDF : 14387256.6/1

Left In: 966.531+/-0.164 χ^2/NDF :1602562.1/22

- sign 994.478+/-0.126 χ^2/NDF : 8450774.9/54

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2353.051 ± 415.977 χ^2/NDF : 18.9/26

Left Out: 2321.025 ± 366.301 χ^2/NDF : 27.5/24

Right Out: -2398.966 ± 390.216 χ^2/NDF : 20.2/31

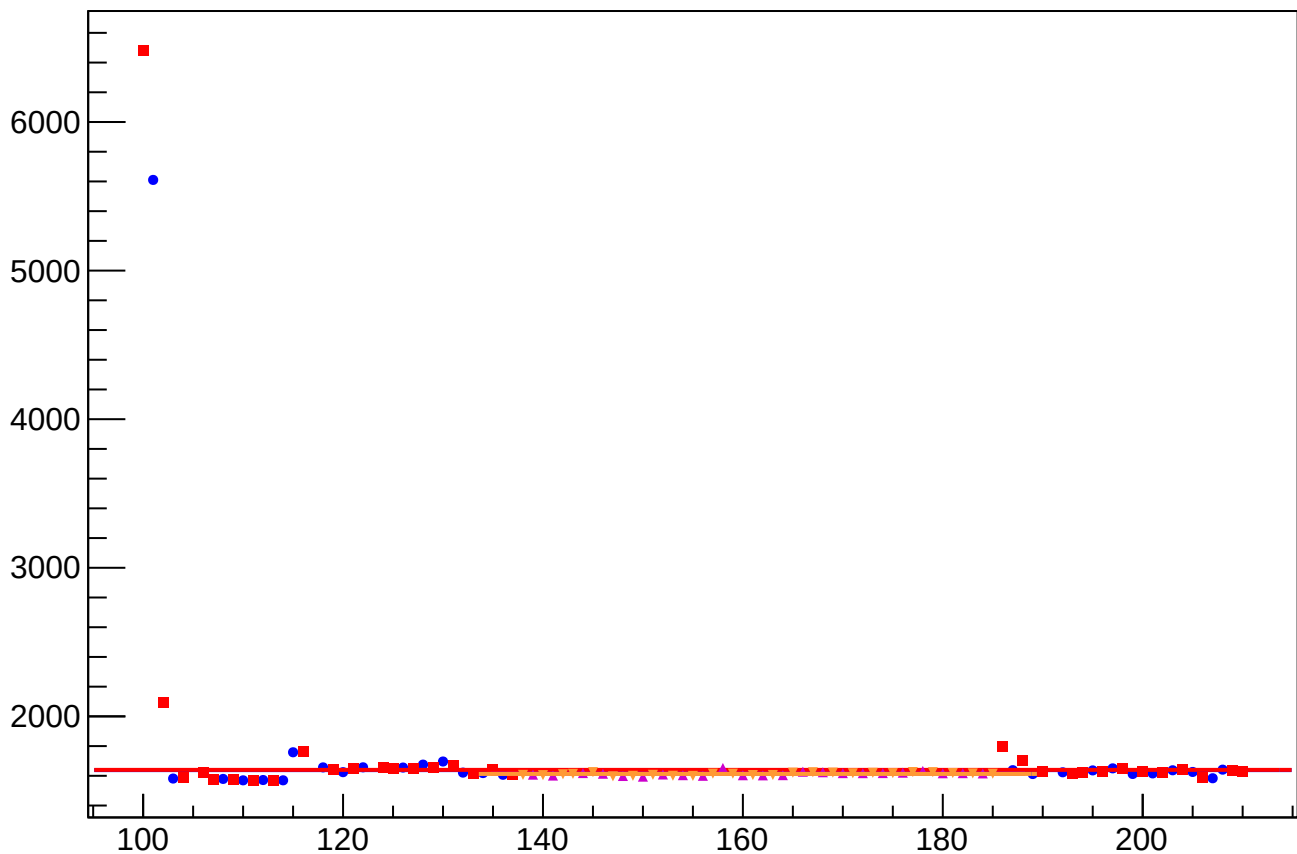
Left In: -2370.700 ± 376.798 χ^2/NDF : 33.7/22

+ sign 2335.012 ± 274.908 χ^2/NDF : 46.4/51

All: -57.960 ± 193.013 χ^2/NDF : 249.8/106

- sign -2384.338 ± 271.056 χ^2/NDF : 54.0/54

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1638.354+/-0.294 χ^2/NDF : 671419.5/26

Left Out: 1612.607+/-0.259 χ^2/NDF : 1172.5/24

Right Out: 1639.941+/-0.276 χ^2/NDF : 148308.3/31

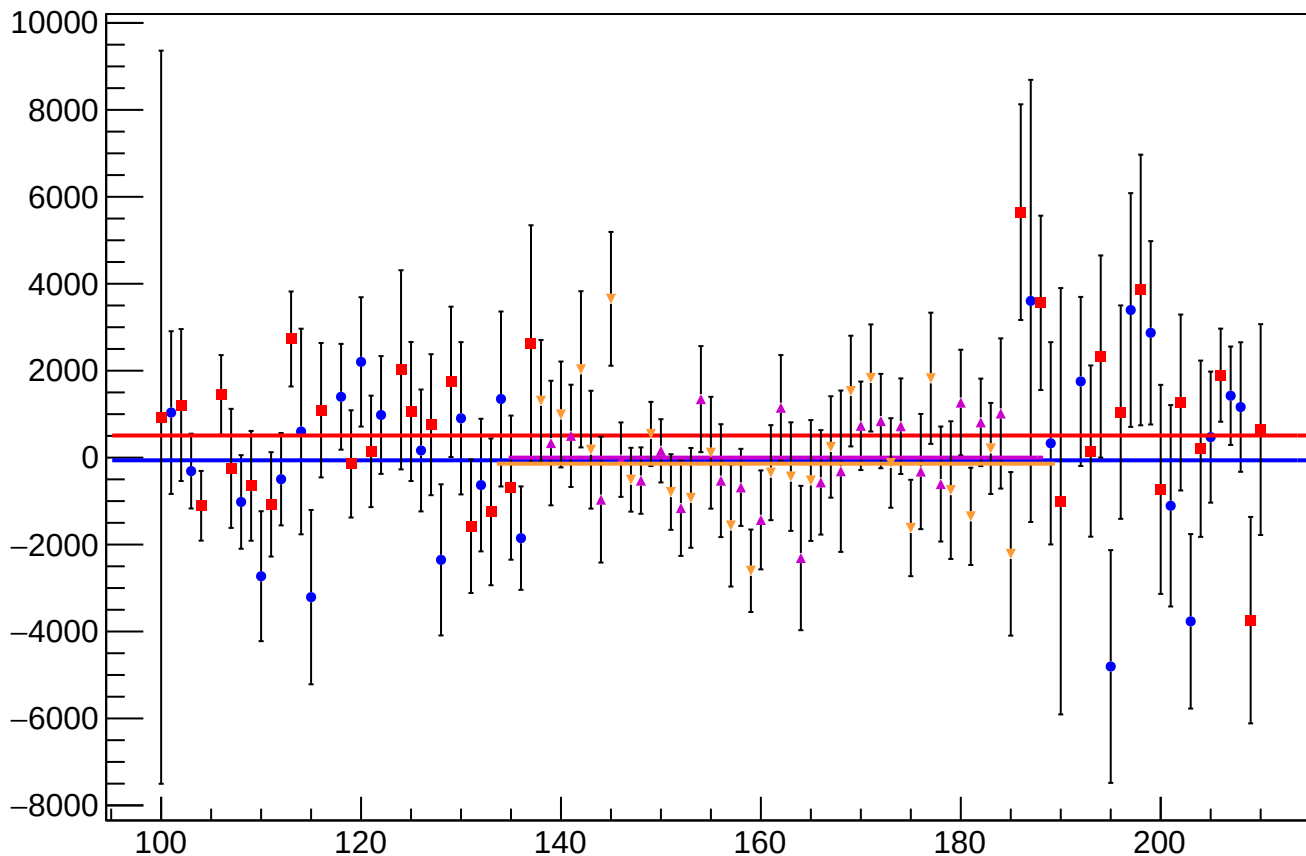
Left In: 1613.793+/-0.266 χ^2/NDF : 2354.6/22

+ sign 1623.852+/-0.194 χ^2/NDF : 676907.4/51

All: 1625.149+/-0.136 χ^2/NDF : 832305.4/100

- sign 1626.410+/-0.192 χ^2/NDF : 155310.2/54

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -61.771 ± 293.906 χ^2/NDF : 30.7/26

Left Out: -139.074 ± 229.125 χ^2/NDF : 30.2/24

Right Out: 509.042 ± 276.558 χ^2/NDF : 31.8/31

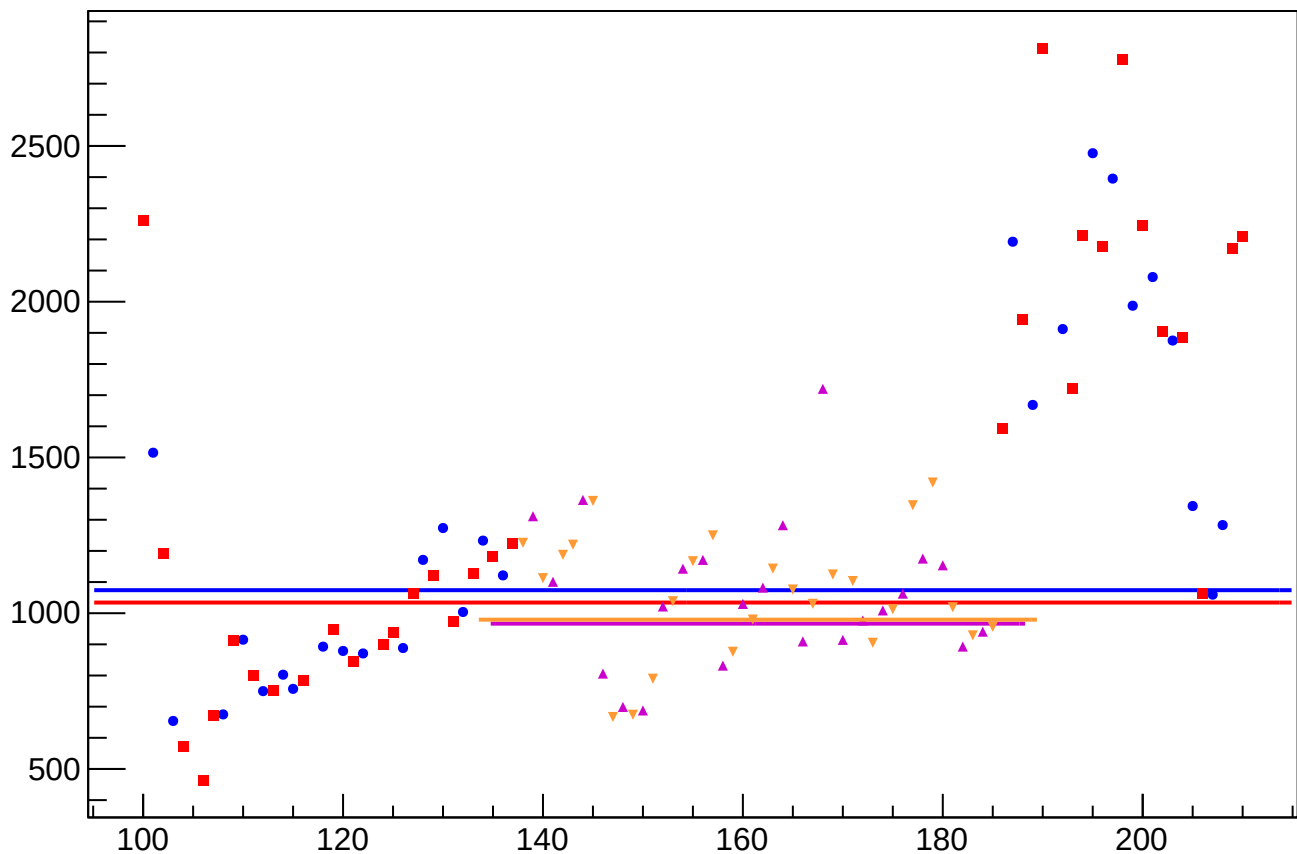
Left In: 0.068 ± 231.904 χ^2/NDF : 12.9/22

+ sign -109.852 ± 180.702 χ^2/NDF : 60.9/51

All: 52.856 ± 126.700 χ^2/NDF : 109.1/106

- sign 210.199 ± 177.698 χ^2/NDF : 46.6/54

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 1073.930+/-0.208 χ^2/NDF : 4163562.5/26

Left Out: 979.288+/-0.162 χ^2/NDF :1630731.2/24

Right Out: 1034.223+/-0.196 χ^2/NDF : 6777861.1/31

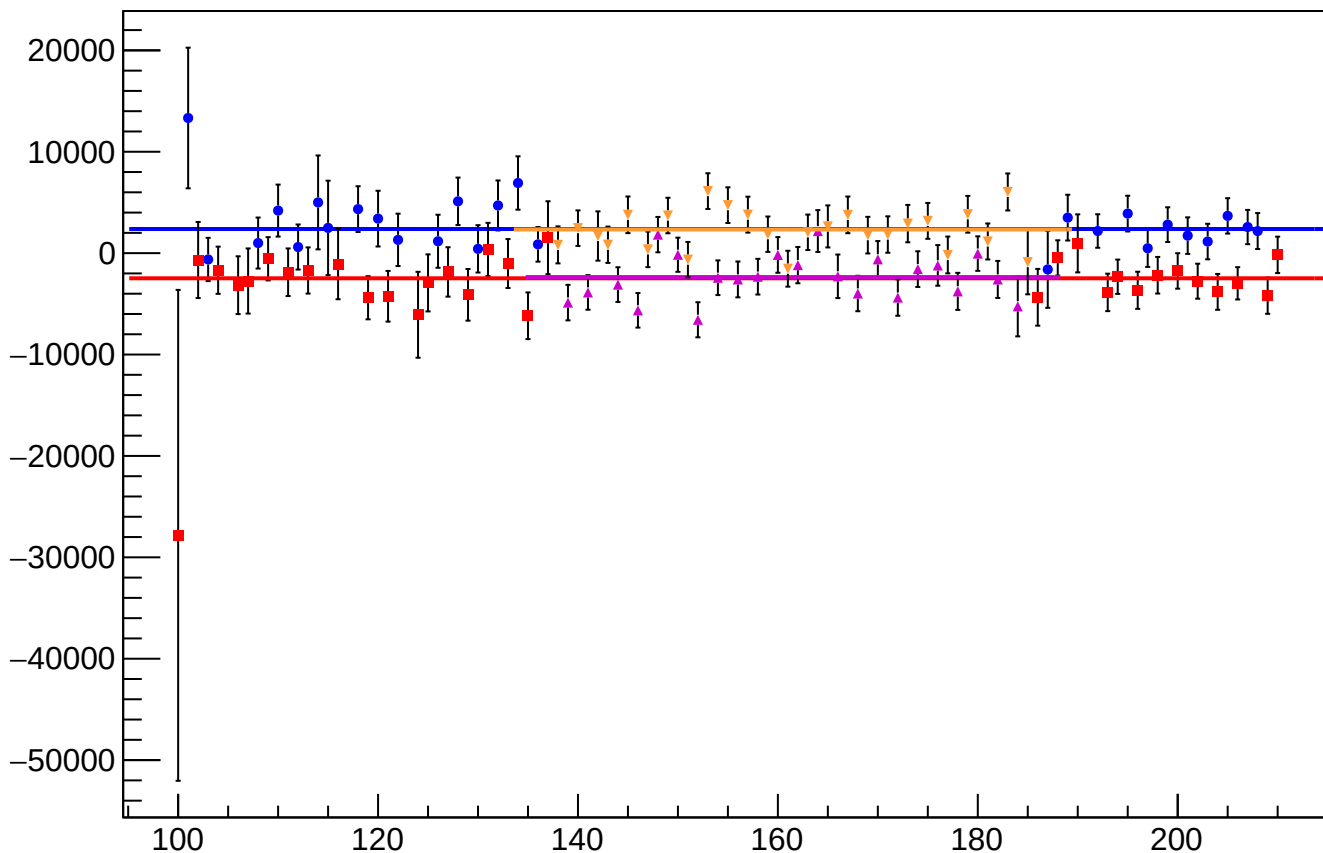
Left In: 966.531+/-0.164 χ^2/NDF :1602562.1/22

+ sign 1015.064+/-0.128 χ^2/NDF : 5923285.3/51

All: 1004.599+/-0.090 χ^2/NDF : 14387256.6/1

- sign 994.478+/-0.126 χ^2/NDF : 8450774.9/54

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2381.878 $\pm$ 418.537 χ^2/NDF : 18.7/26

Left Out: 2334.840 $\pm$ 366.991 χ^2/NDF : 28.3/24

Right Out: -2479.647 $\pm$ 393.707 χ^2/NDF : 18.3/31

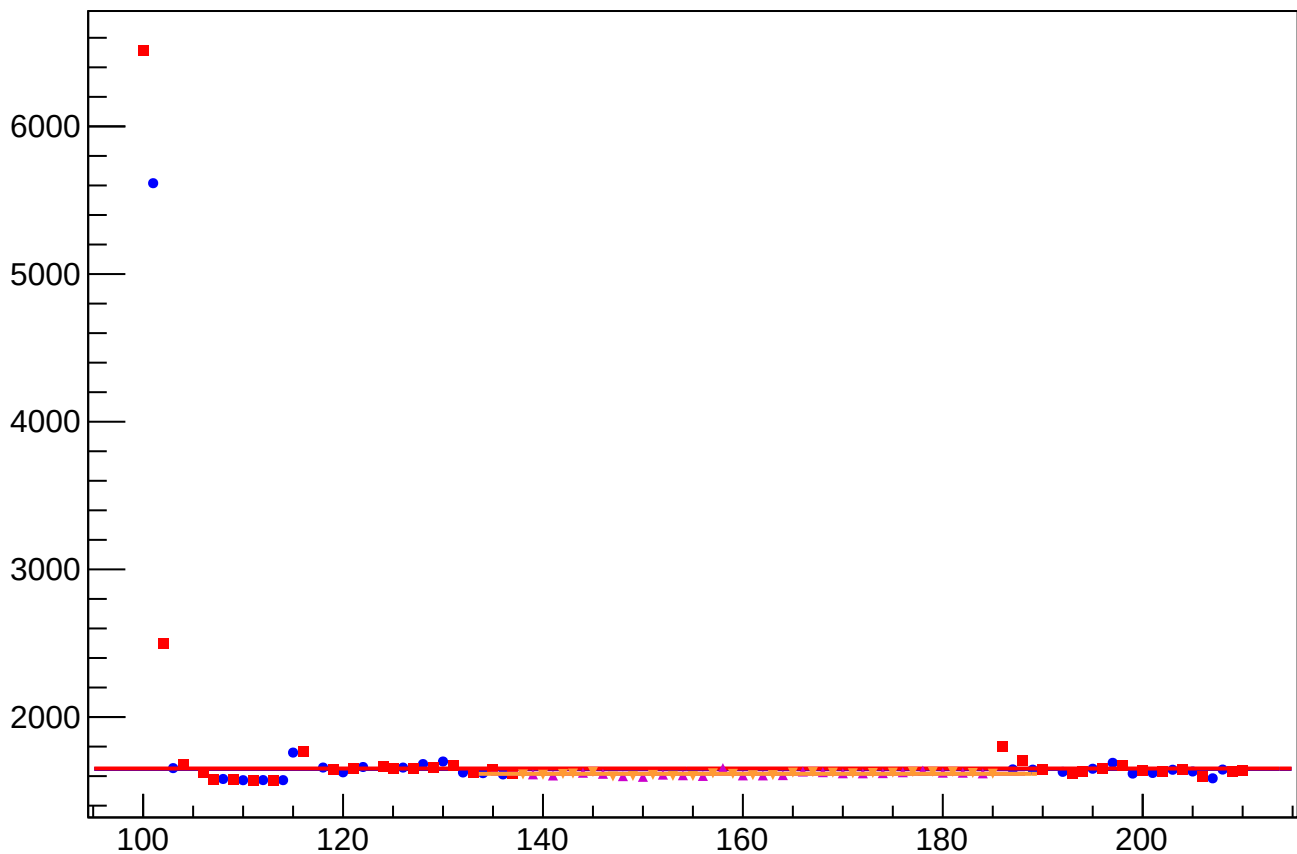
Left In: -2360.289 $\pm$ 377.400 χ^2/NDF : 34.0/22

+ sign 2355.286 $\pm$ 275.937 χ^2/NDF : 46.9/51

All: -61.471 $\pm$ 193.870 χ^2/NDF : 250.7/106

- sign -2417.445 $\pm$ 272.445 χ^2/NDF : 52.3/54

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.328+/-0.296 χ^2/NDF : 669971.1/26

Left Out: 1615.633+/-0.260 χ^2/NDF : 1447.2/24

Right Out: 1651.479+/-0.278 χ^2/NDF : 205560.0/31

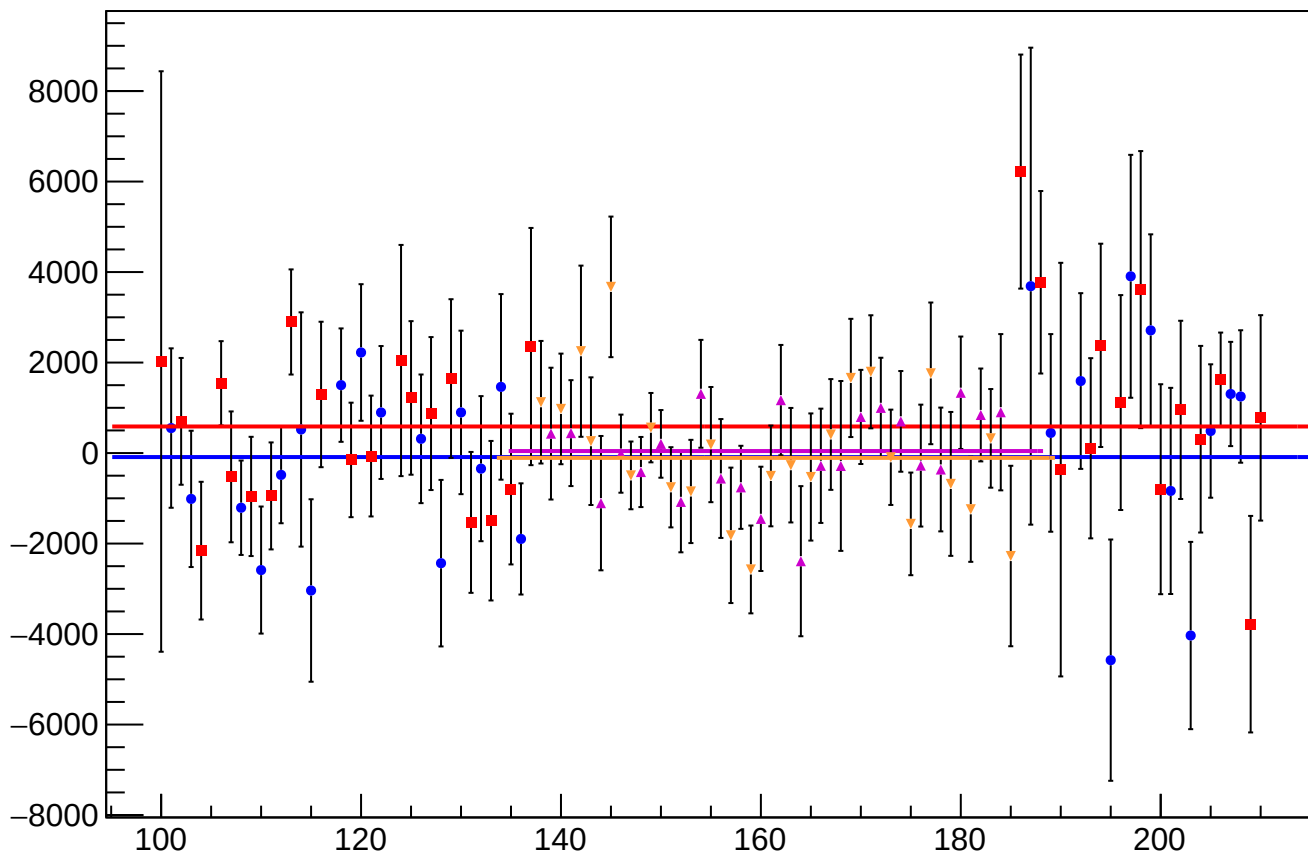
Left In: 1616.361+/-0.267 χ^2/NDF : 2557.7/22

+ sign 1629.844+/-0.195 χ^2/NDF : 678318.0/51

All: 1631.532+/-0.137 χ^2/NDF : 894876.6/100

- sign 1633.178+/-0.193 χ^2/NDF : 216410.8/54

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -88.430 ± 308.520 χ^2/NDF : 30.6/26

Left Out: -106.338 ± 234.306 χ^2/NDF : 29.0/24

Right Out: 587.228 ± 291.325 χ^2/NDF : 31.8/31

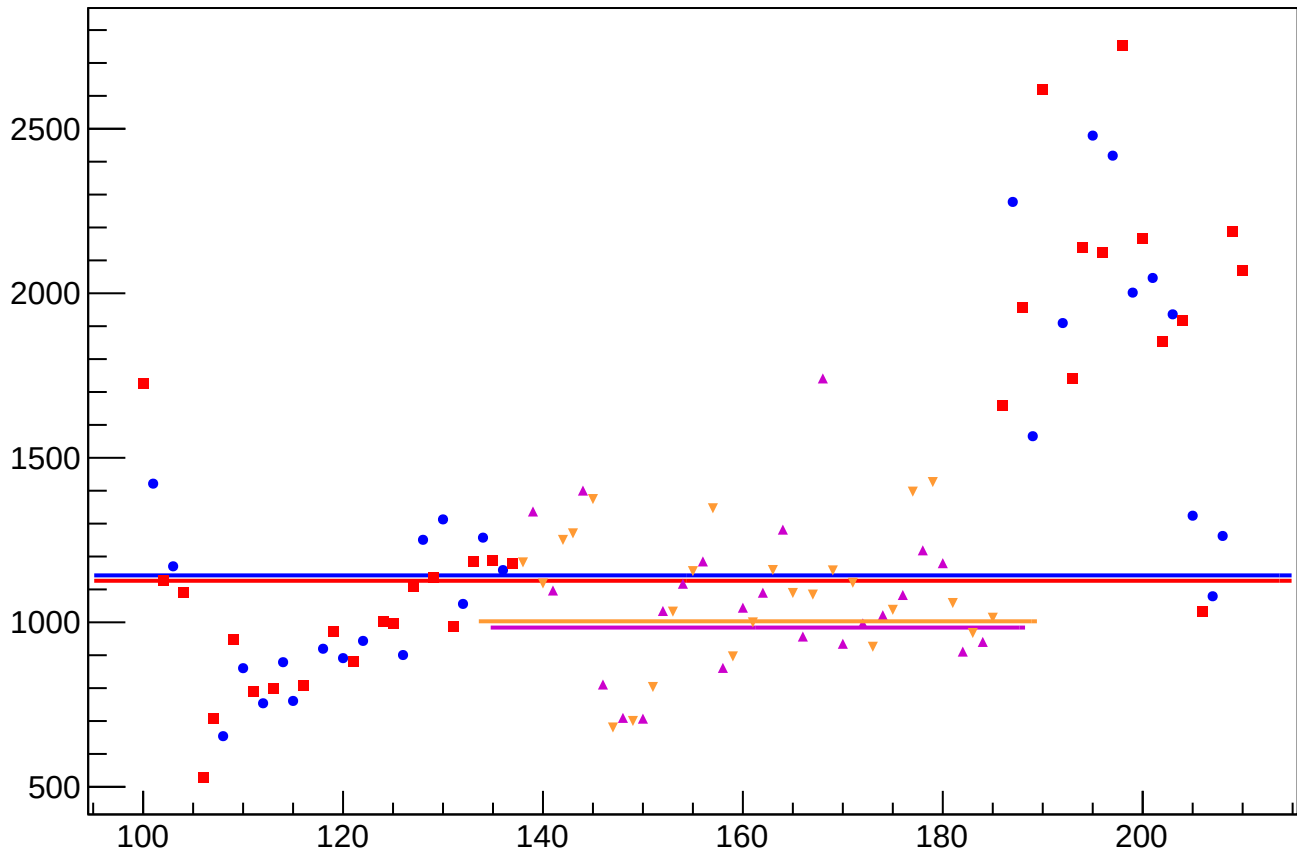
Left In: 44.469 ± 235.733 χ^2/NDF : 12.8/22

+ sign -99.787 ± 186.595 χ^2/NDF : 59.7/51

All: 82.965 ± 130.745 χ^2/NDF : 108.2/106

- sign 259.230 ± 183.254 χ^2/NDF : 46.7/54

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1142.656 ± 0.218 $\chi^2/\text{NDF}: 3598915.8/26$

Left Out: 1003.101 ± 0.166 $\chi^2/\text{NDF}: 1598415.6/24$

Right Out: 1126.309 ± 0.206 $\chi^2/\text{NDF}: 5463206.6/31$

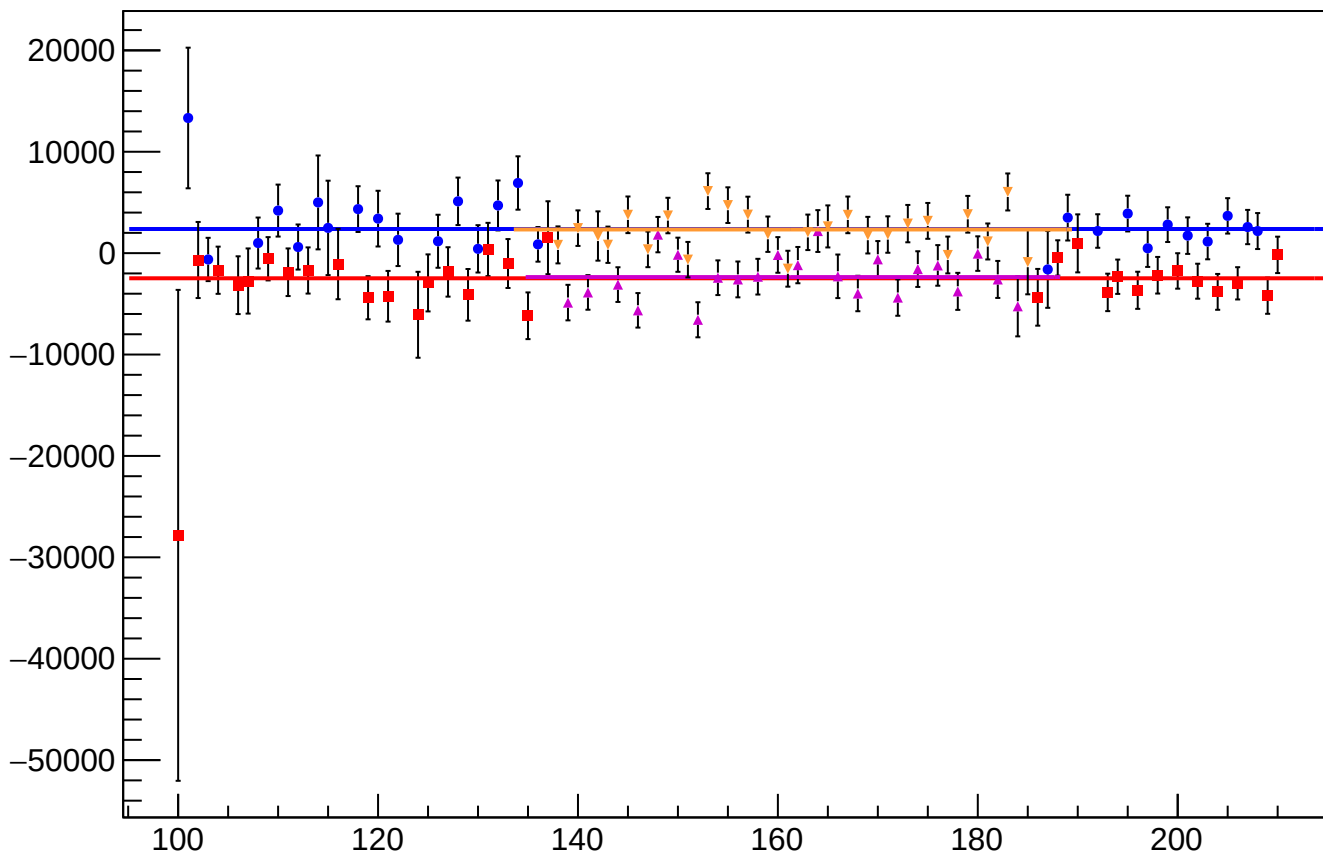
Left In: 984.053 ± 0.167 $\chi^2/\text{NDF}: 1559561.5/22$

+ sign 1054.149 ± 0.132 $\chi^2/\text{NDF}: 5456859.7/51$

All: 1047.121 ± 0.092 $\chi^2/\text{NDF}: 12773391.1/100$

- sign 1040.342 ± 0.130 $\chi^2/\text{NDF}: 7310957.3/54$

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2381.879+/-418.537 χ^2/NDF : 18.7/26

Left Out: 2334.839+/-366.991 χ^2/NDF : 28.3/24

Right Out: -2479.645+/-393.707 χ^2/NDF : 18.3/31

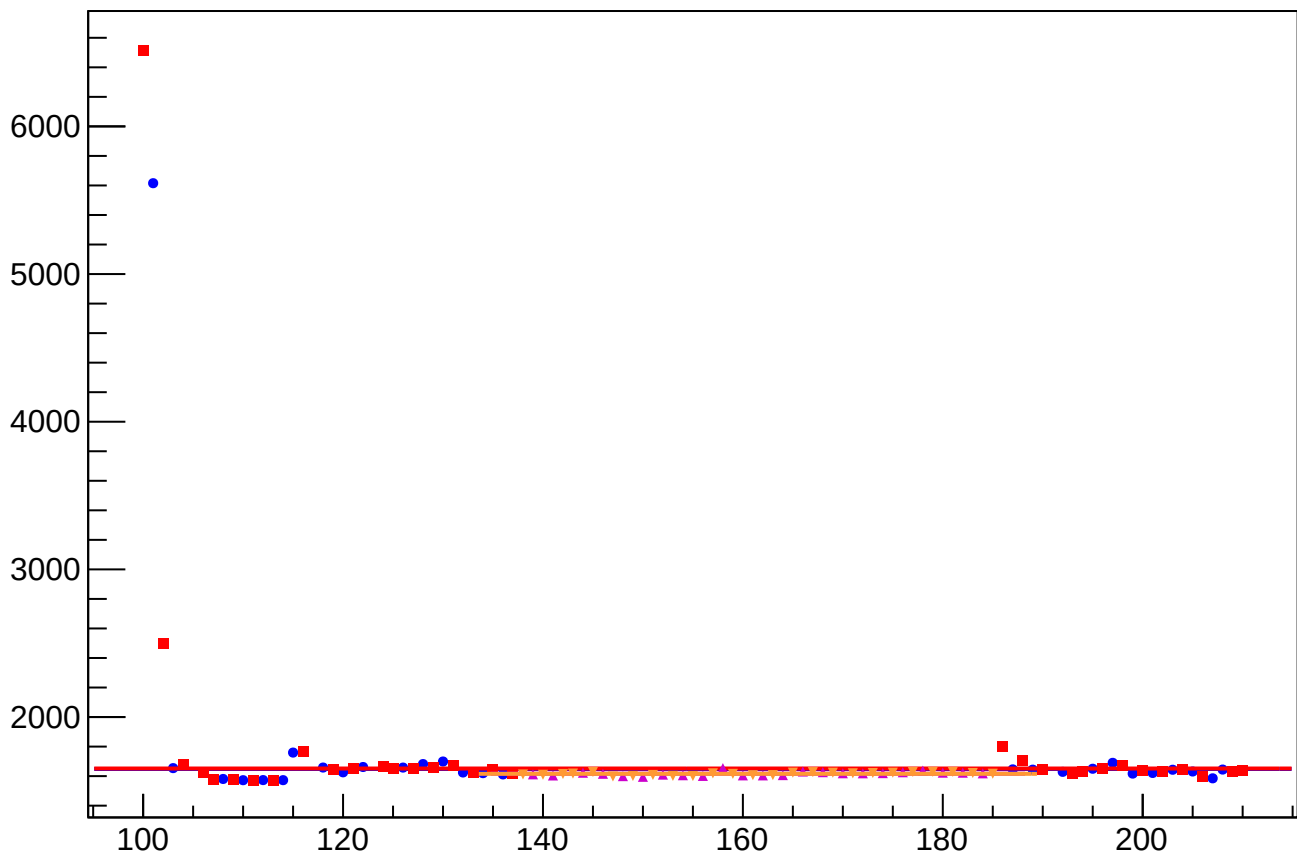
Left In: -2360.289+/-377.400 χ^2/NDF : 34.0/22

+ sign 2355.286+/-275.937 χ^2/NDF : 46.9/51

All: -61.471+/-193.870 χ^2/NDF : 250.7/106

- sign -2417.444+/-272.445 χ^2/NDF : 52.3/54

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.328+/-0.296 χ^2/NDF : 669971.1/26

Left Out: 1615.633+/-0.260 χ^2/NDF : 1447.2/24

Right Out: 1651.479+/-0.278 χ^2/NDF : 205559.9/31

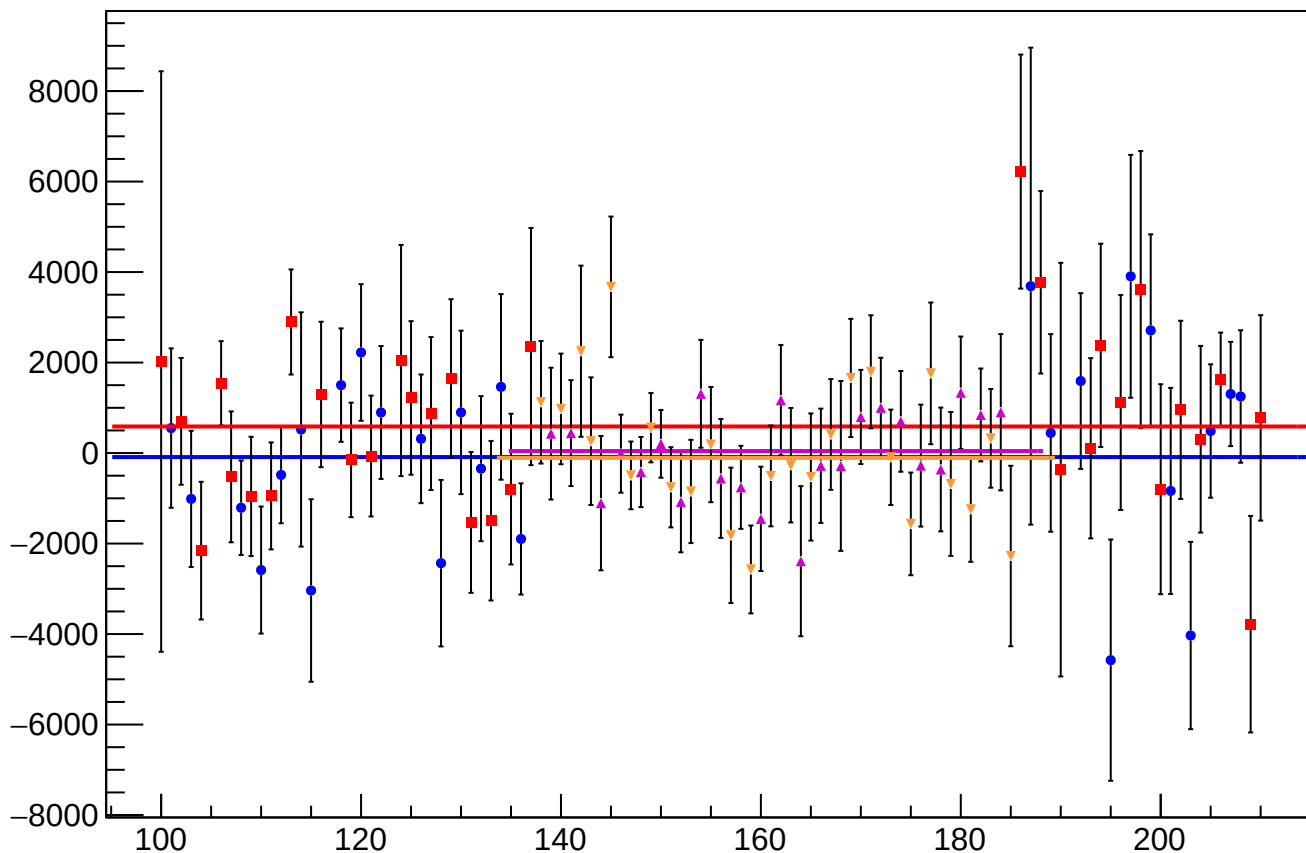
Left In: 1616.361+/-0.267 χ^2/NDF : 2557.7/22

+ sign 1629.844+/-0.195 χ^2/NDF : 678318.0/51

All: 1631.532+/-0.137 χ^2/NDF : 894876.4/100

- sign 1633.178+/-0.193 χ^2/NDF : 216410.6/54

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug



Right In: -88.430 ± 308.519 χ^2/NDF : 30.6/26

Left Out: -106.340 ± 234.307 χ^2/NDF : 29.0/24

Right Out: 587.226 ± 291.325 χ^2/NDF : 31.8/31

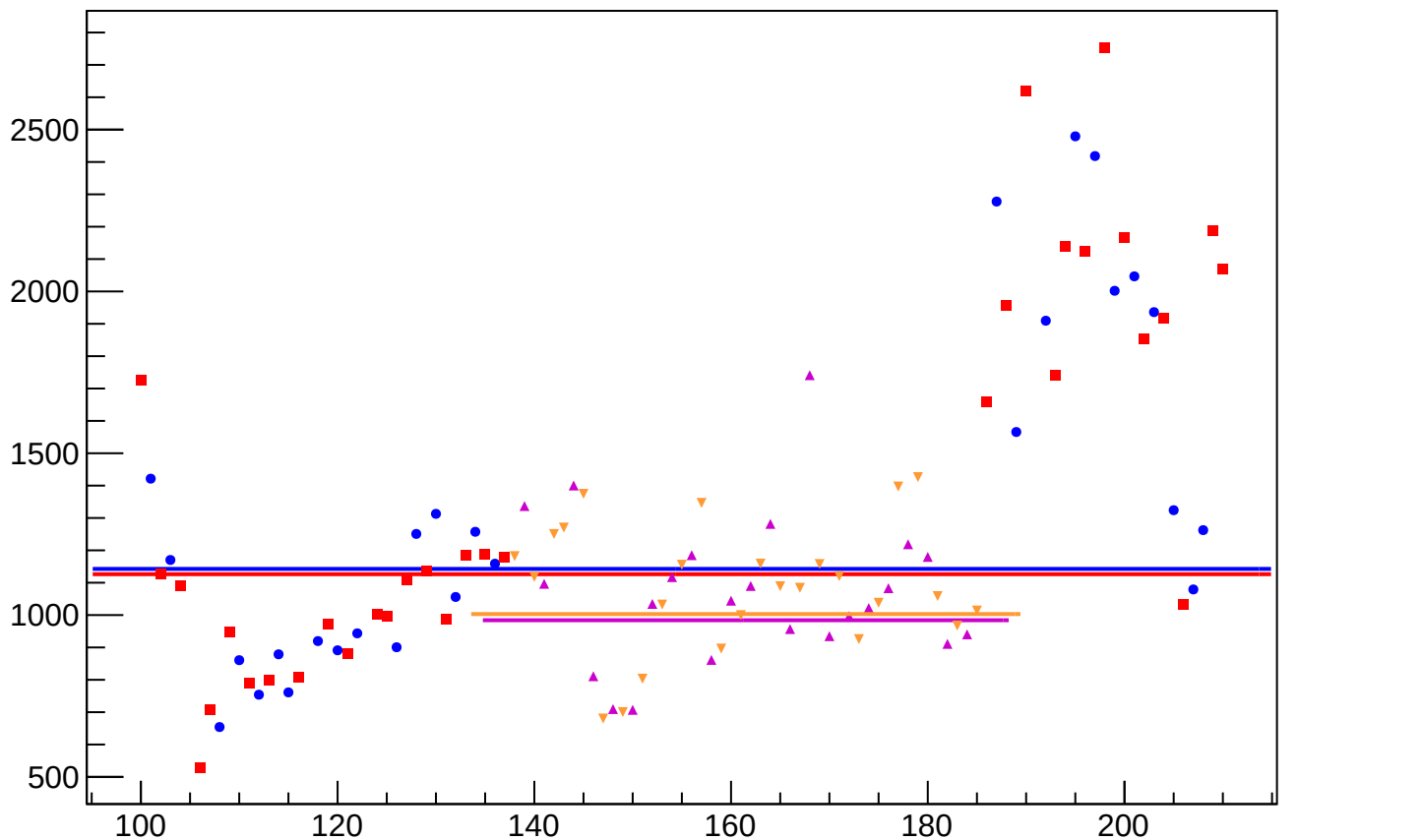
Left In: 44.468 ± 235.733 χ^2/NDF : 12.8/22

+ sign -99.789 ± 186.595 χ^2/NDF : 59.7/51

All: 82.964 ± 130.745 χ^2/NDF : 108.2/106

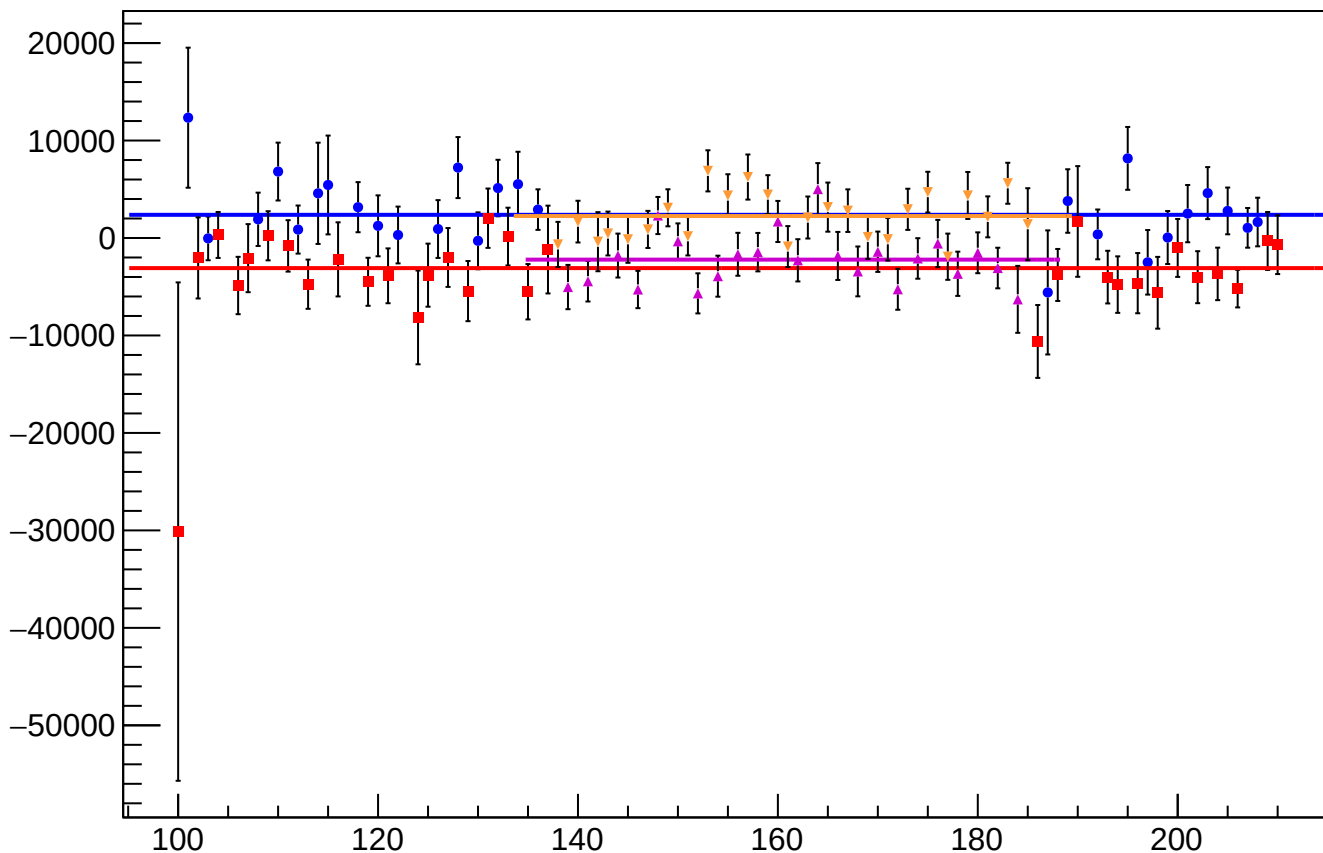
- sign 259.230 ± 183.254 χ^2/NDF : 46.7/54

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 1142.653+/-0.218	χ^2/NDF : 3598958.4/26	+ sign 1054.149+/-0.132	χ^2/NDF : 5456885.2/51
Left Out: 1003.103+/-0.166	χ^2/NDF : 1598417.7/24	All: 1047.121+/-0.092	χ^2/NDF : 12773434.6/1
Right Out: 1126.307+/-0.206	χ^2/NDF : 5463240.7/31	- sign 1040.342+/-0.130	χ^2/NDF : 7310975.2/54
Left In: 984.055+/-0.167	χ^2/NDF : 1559563.7/22		

asym_usr_atr1_avg_mean vs Slug



Right In: 2377.851 ± 552.377 χ^2/NDF : 22.1/26

Left Out: 2252.380 ± 442.213 χ^2/NDF : 28.3/24

Right Out: -3089.143 ± 529.642 χ^2/NDF : 23.2/31

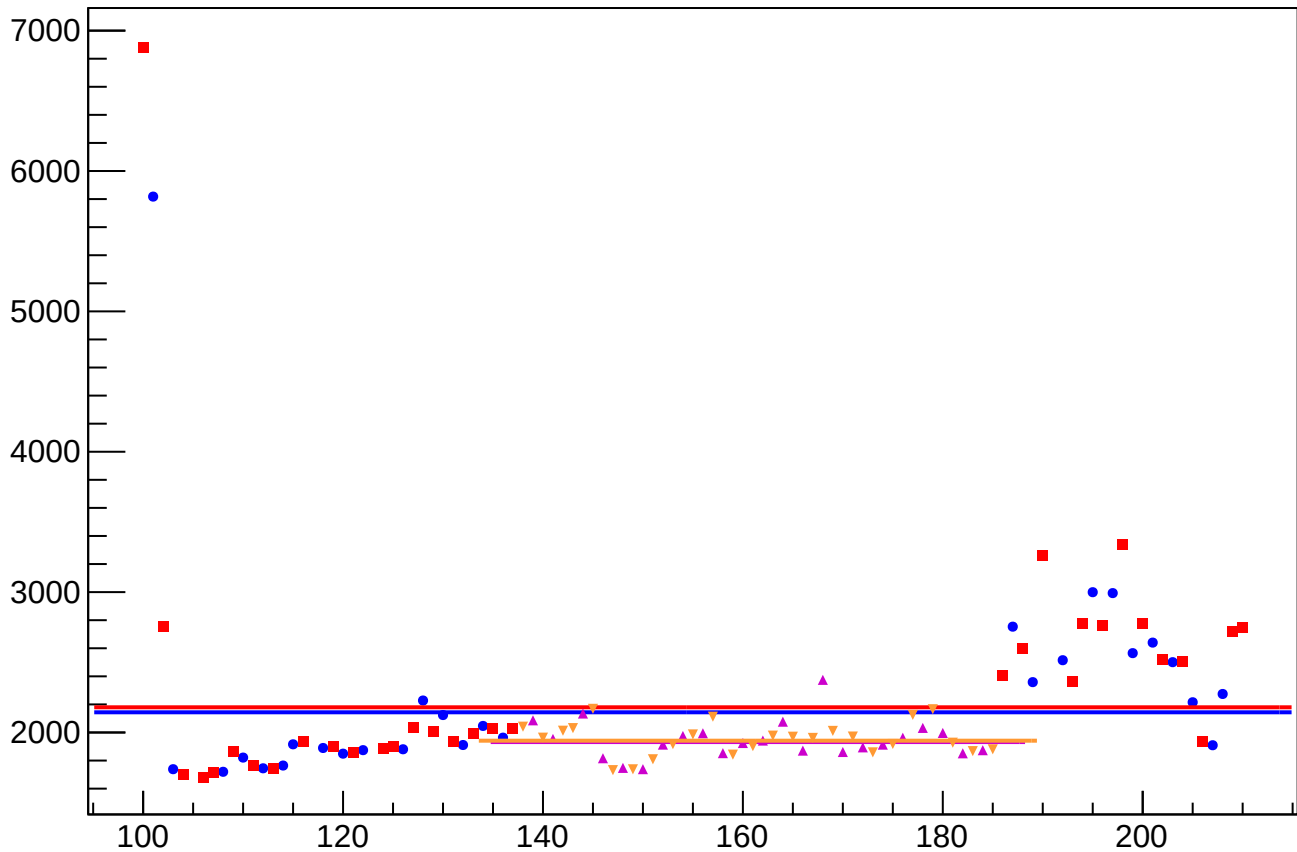
Left In: -2219.401 ± 452.286 χ^2/NDF : 31.5/22

+ sign 2301.386 ± 345.215 χ^2/NDF : 50.4/51

All: -151.410 ± 243.653 χ^2/NDF : 207.3/106

- sign -2586.177 ± 343.944 χ^2/NDF : 56.3/54

asym_usr_atr1_avg_rms vs Slug



Right In: 2143.823 ± 0.391 $\chi^2/\text{NDF}: 1344895.9/26$

Left Out: 1941.583 ± 0.313 $\chi^2/\text{NDF}: 139011.4/24$

Right Out: 2179.440 ± 0.375 $\chi^2/\text{NDF}: 1352613.7/31$

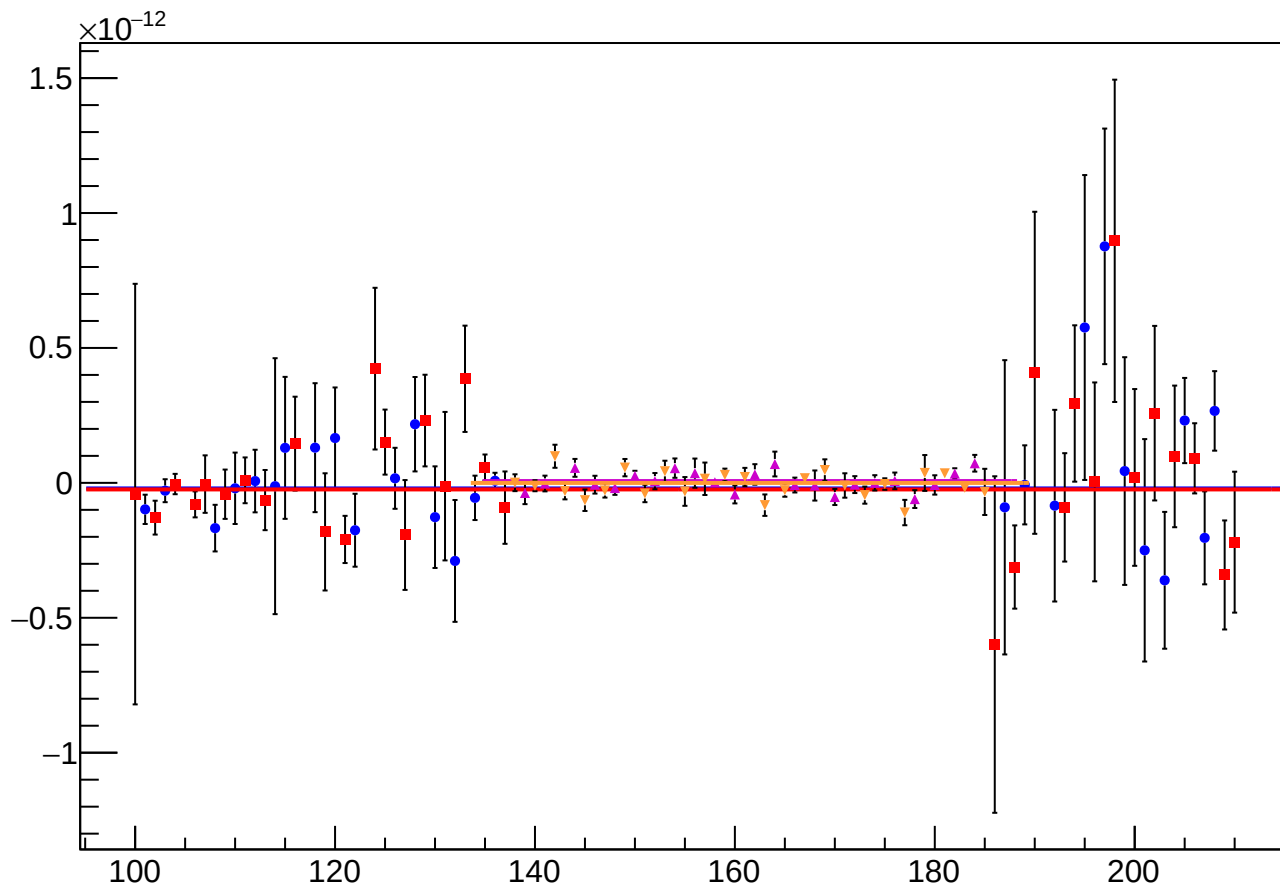
Left In: 1931.812 ± 0.320 $\chi^2/\text{NDF}: 159877.0/22$

+ sign 2020.574 ± 0.244 $\chi^2/\text{NDF}: 1647292.2/51$

All: 2028.435 ± 0.172 $\chi^2/\text{NDF}: 3414671.2/10$

- sign 2036.239 ± 0.243 $\chi^2/\text{NDF}: 1765312.3/54$

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.9/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 40.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 38.8/31

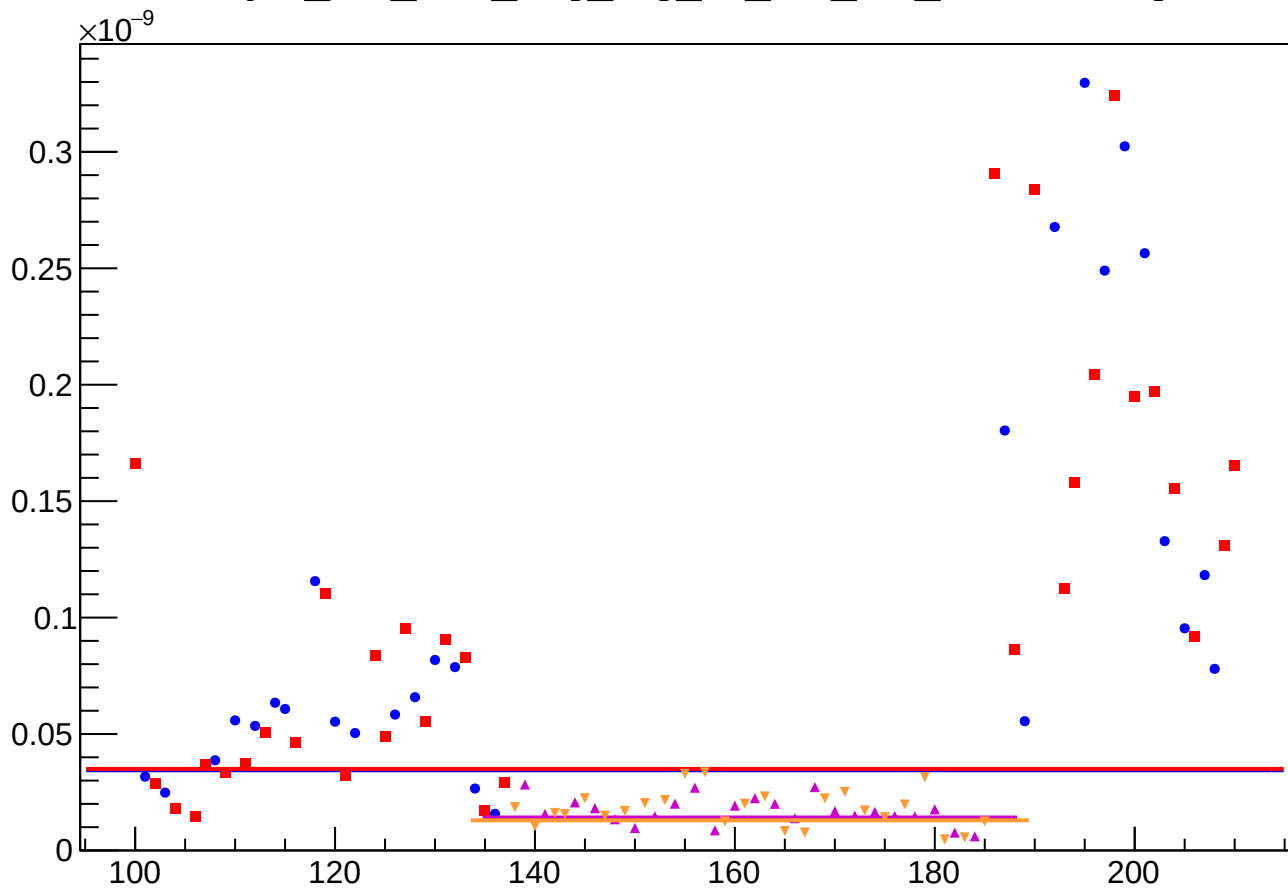
Left In: 0.000 ± 0.000 χ^2/NDF : 27.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 69.3/51

All: 0.000 ± 0.000 χ^2/NDF : 138.6/106

- sign 0.000 ± 0.000 χ^2/NDF : 68.8/54

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 6414213.0/26$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 2826186.0/24$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 7081143.0/31$

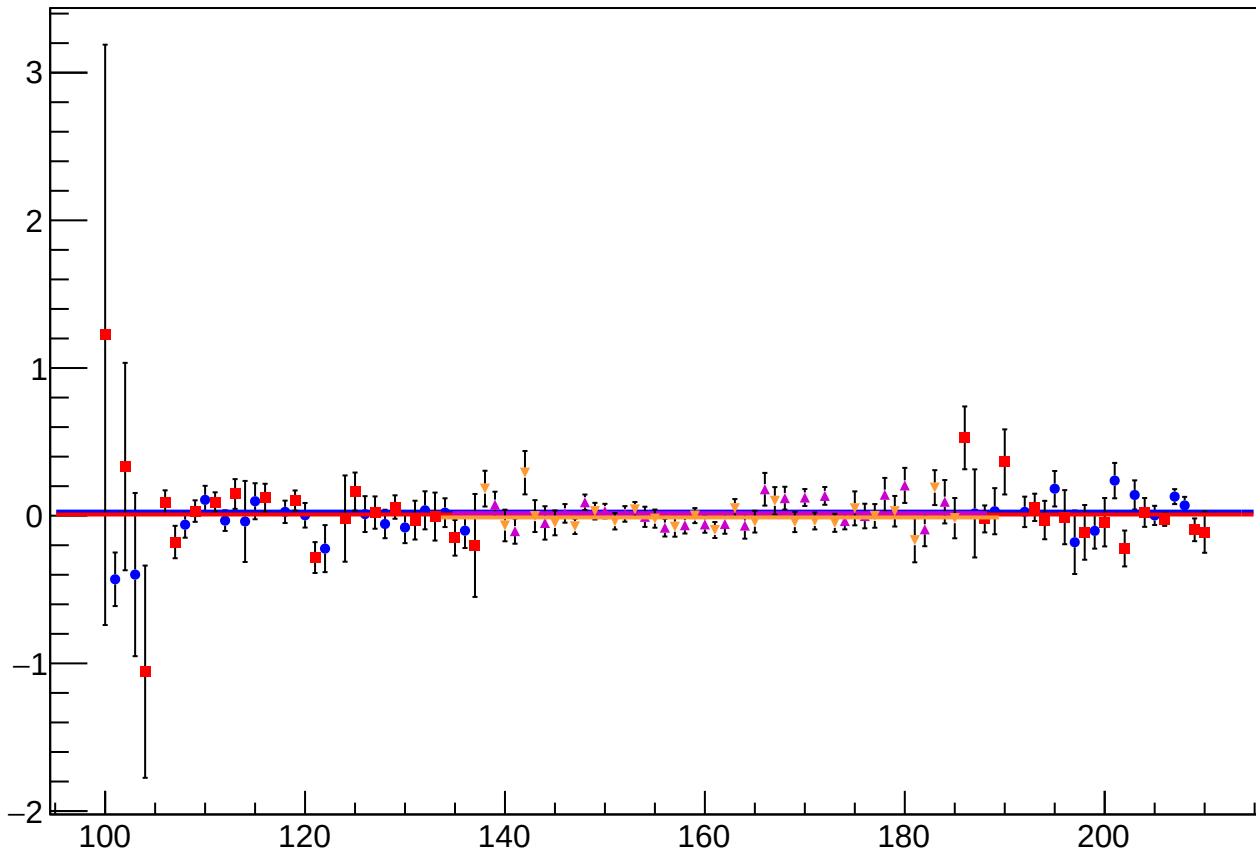
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 1522273.8/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 11722479.1/51$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 22663643.7/106$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 10880348.3/54$

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.019 χ^2/NDF : 28.3/26

Left Out: -0.012 ± 0.014 χ^2/NDF : 21.8/24

Right Out: 0.008 ± 0.018 χ^2/NDF : 41.7/31

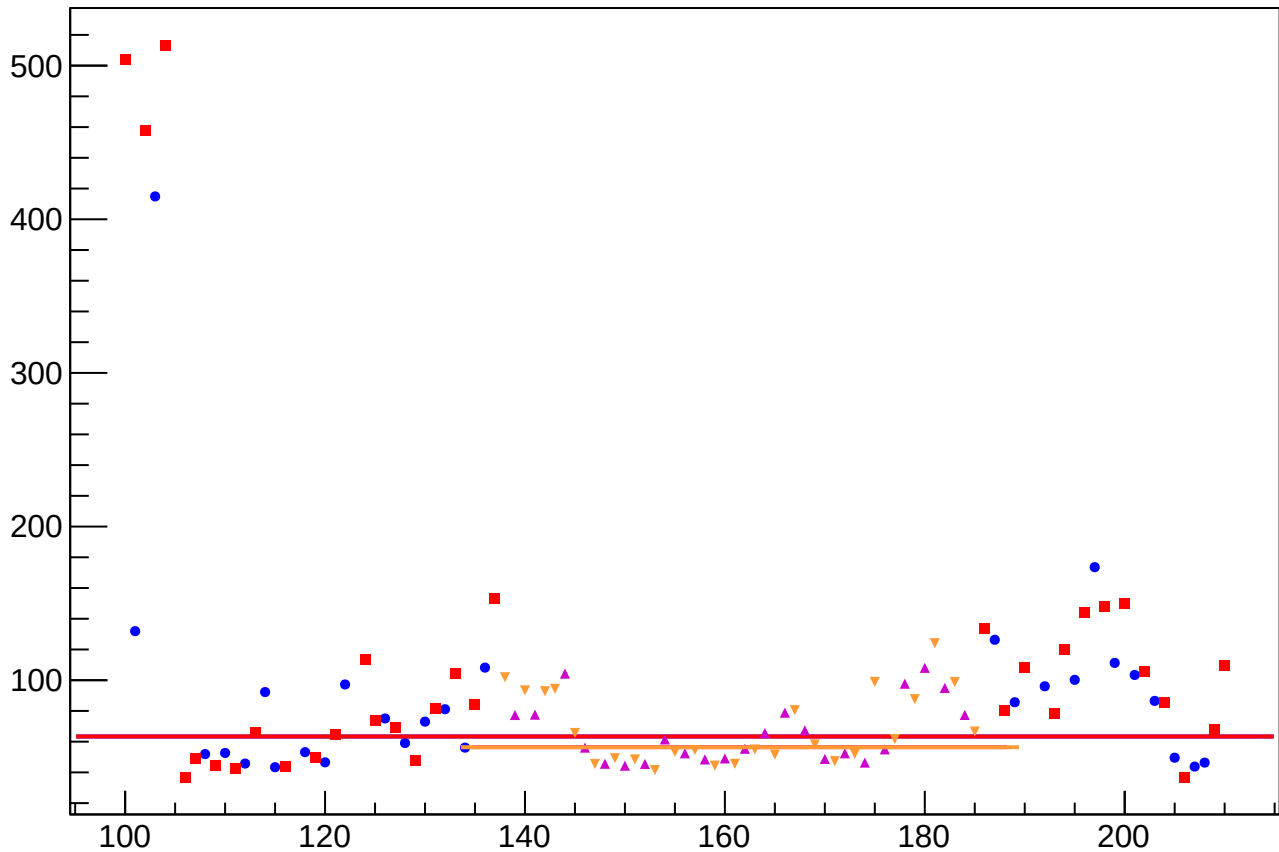
Left In: 0.017 ± 0.014 χ^2/NDF : 30.6/22

+ sign 0.003 ± 0.011 χ^2/NDF : 52.8/51

All: 0.008 ± 0.008 χ^2/NDF : 125.8/106

- sign 0.014 ± 0.011 χ^2/NDF : 72.5/54

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.373 $\pm$ 0.013 χ^2 /NDF: 4199599.3/26

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797305.0/24

Right Out: 63.365 $\pm$ 0.013 χ^2 /NDF: 6242655.5/31

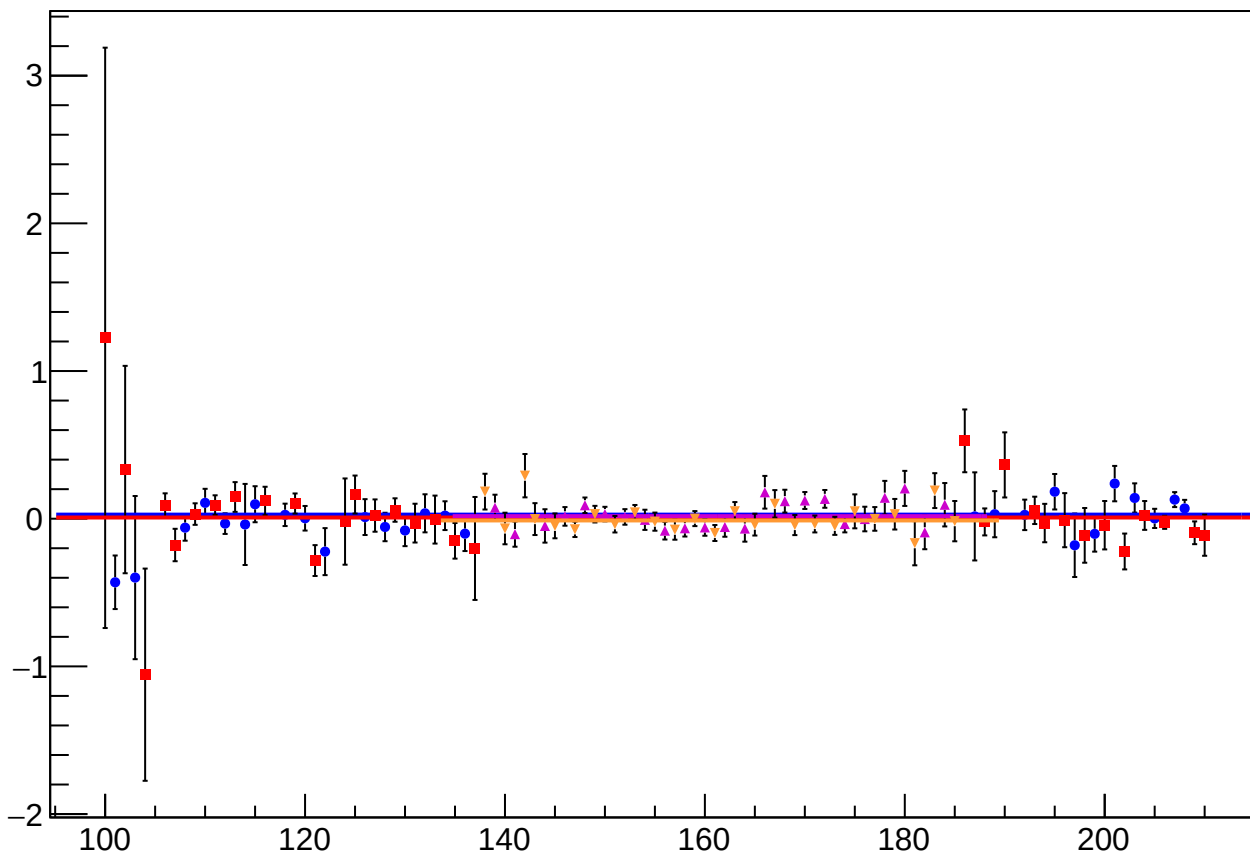
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140078.8/22

+ sign 58.937 $\pm$ 0.008 χ^2 /NDF: 7172005.8/51

All: 59.033 $\pm$ 0.006 χ^2 /NDF: 15729904.0/106

- sign 59.127 $\pm$ 0.008 χ^2 /NDF: 8557620.1/54

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.019 $\chi^2/\text{NDF}: 28.3/26$

Left Out: -0.012 ± 0.014 $\chi^2/\text{NDF}: 21.8/24$

Right Out: 0.008 ± 0.018 $\chi^2/\text{NDF}: 41.7/31$

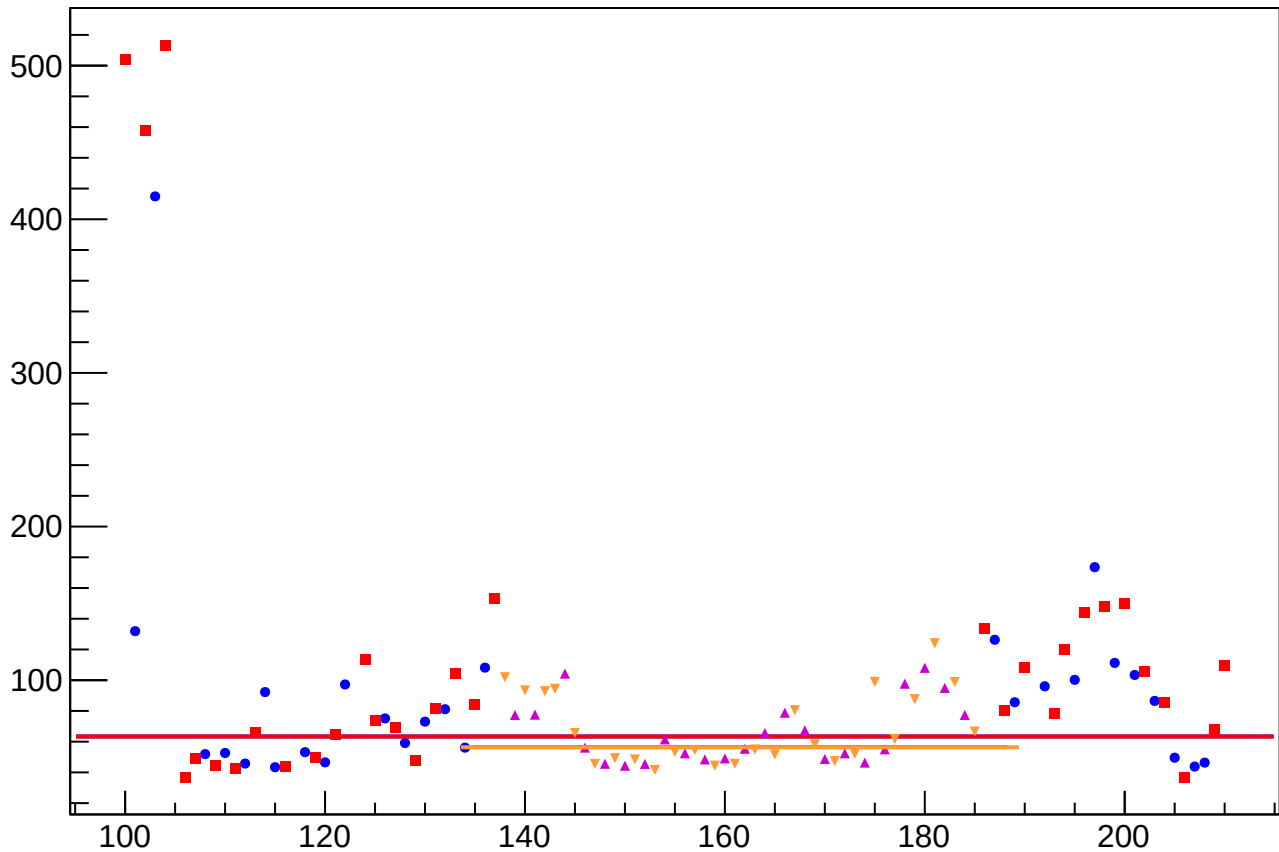
Left In: 0.017 ± 0.014 $\chi^2/\text{NDF}: 30.6/22$

+ sign 0.003 ± 0.011 $\chi^2/\text{NDF}: 52.8/51$

All: 0.008 ± 0.008 $\chi^2/\text{NDF}: 125.8/106$

- sign 0.014 ± 0.011 $\chi^2/\text{NDF}: 72.5/54$

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.373 $\pm$ 0.013 χ^2 /NDF: 4199599.3/26

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797305.0/24

Right Out: 63.365 $\pm$ 0.013 χ^2 /NDF: 6242655.5/31

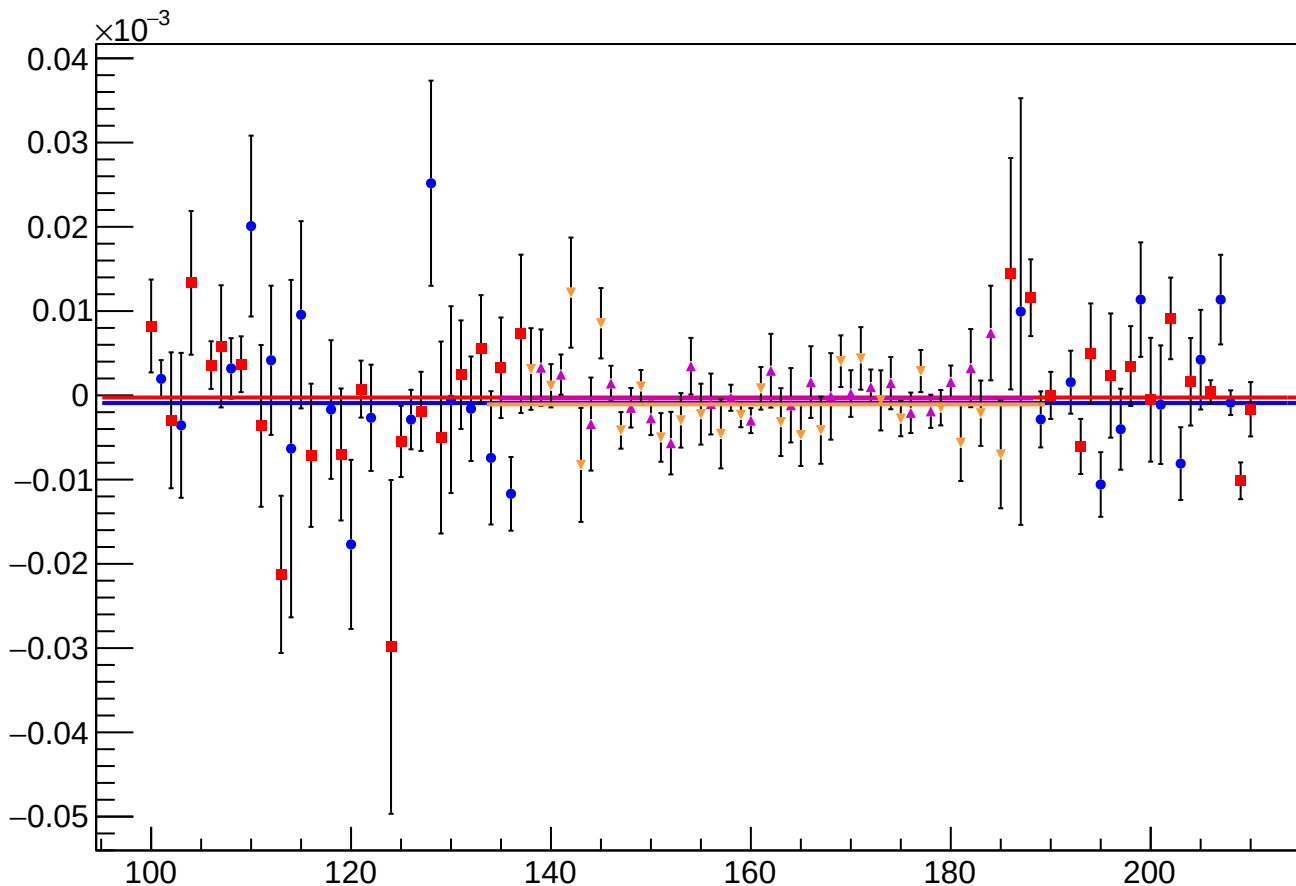
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140078.8/22

+ sign 58.937 $\pm$ 0.008 χ^2 /NDF: 7172005.8/51

All: 59.033 $\pm$ 0.006 χ^2 /NDF: 15729904.0/106

- sign 59.127 $\pm$ 0.008 χ^2 /NDF: 8557620.1/54

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.6/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 31.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 59.2/31

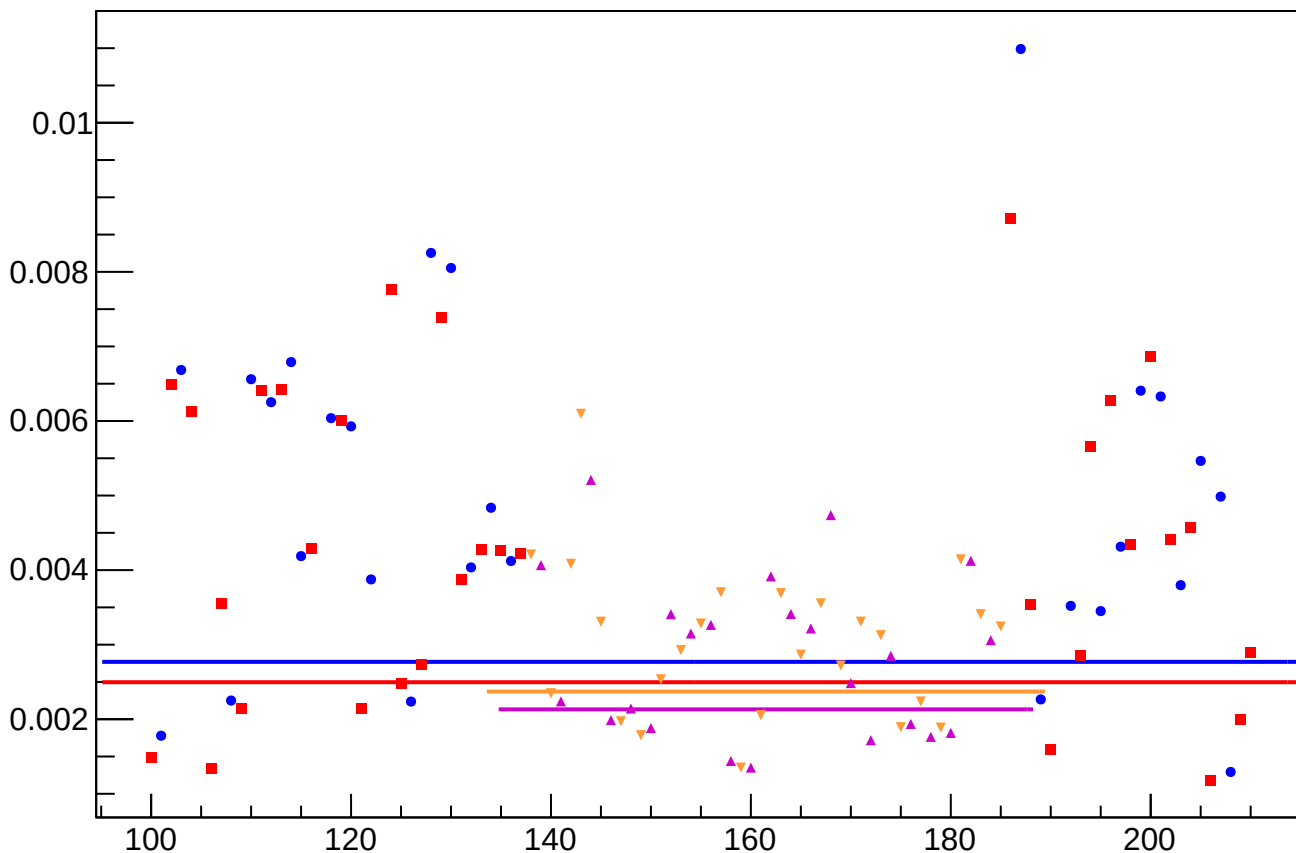
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 74.2/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 152.0/106

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 76.7/54

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 ± 0.000 $\chi^2/\text{NDF}: 8016714.5/26$

Left Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 4161142.1/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 8959398.2/31$

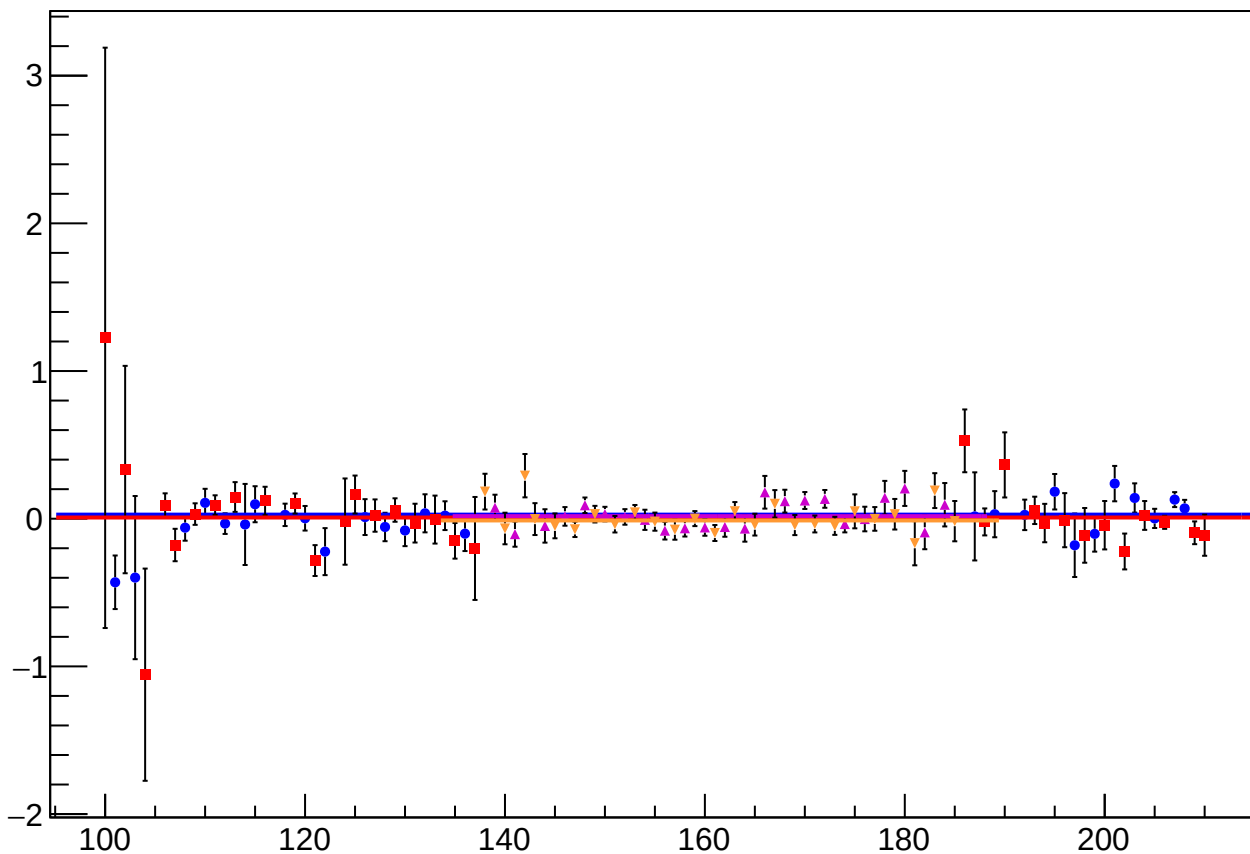
Left In: 0.002 ± 0.000 $\chi^2/\text{NDF}: 4521223.3/22$

+ sign 0.003 ± 0.000 $\chi^2/\text{NDF}: 12487740.6/51$

All: 0.002 ± 0.000 $\chi^2/\text{NDF}: 26577923.0/106$

- sign 0.002 ± 0.000 $\chi^2/\text{NDF}: 13808911.3/54$

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.019 χ^2/NDF : 28.3/26

Left Out: -0.012 ± 0.014 χ^2/NDF : 21.8/24

Right Out: 0.008 ± 0.018 χ^2/NDF : 41.7/31

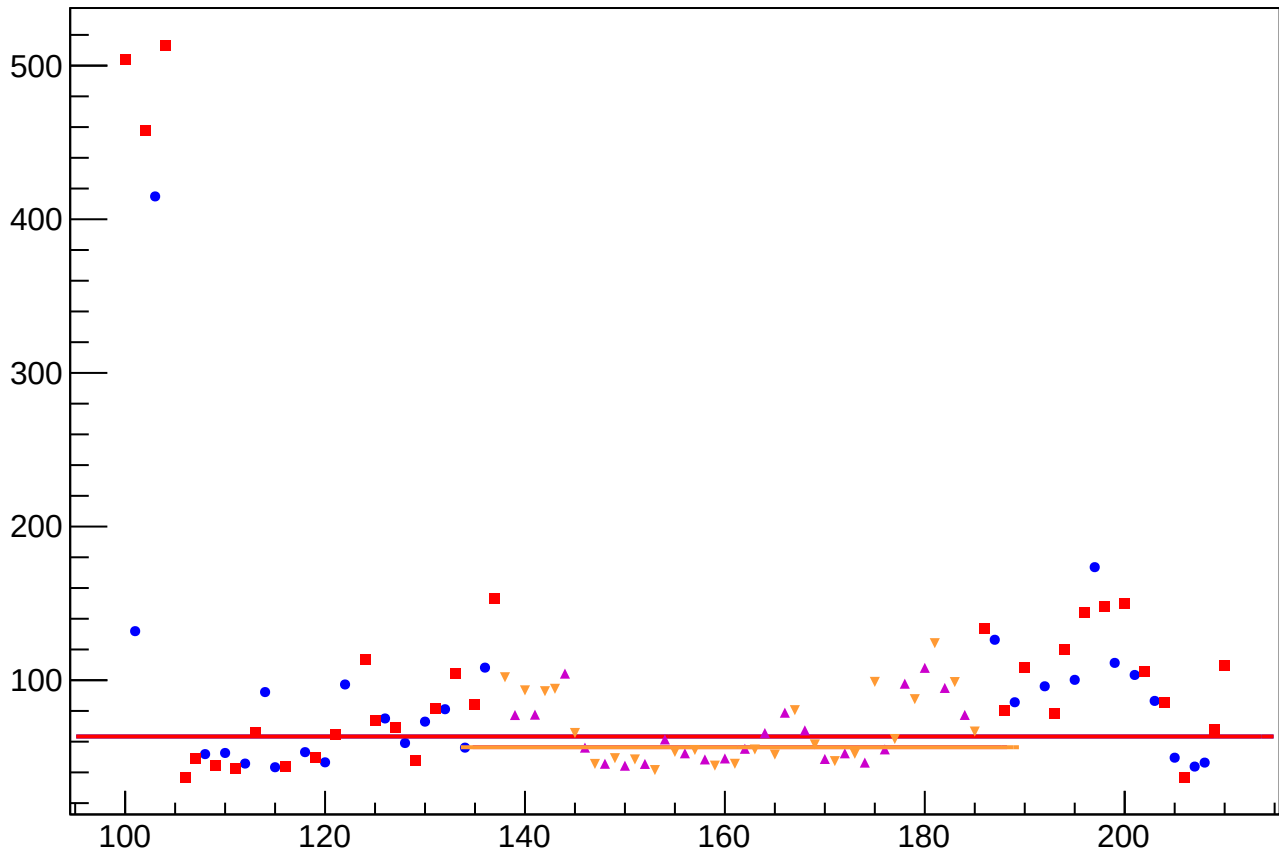
Left In: 0.017 ± 0.014 χ^2/NDF : 30.6/22

+ sign 0.003 ± 0.011 χ^2/NDF : 52.8/51

All: 0.008 ± 0.008 χ^2/NDF : 125.8/106

- sign 0.014 ± 0.011 χ^2/NDF : 72.5/54

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.372 $\pm$ 0.013 χ^2 /NDF: 4199546.8/26

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797380.0/24

Right Out: 63.364 $\pm$ 0.013 χ^2 /NDF: 6242698.7/31

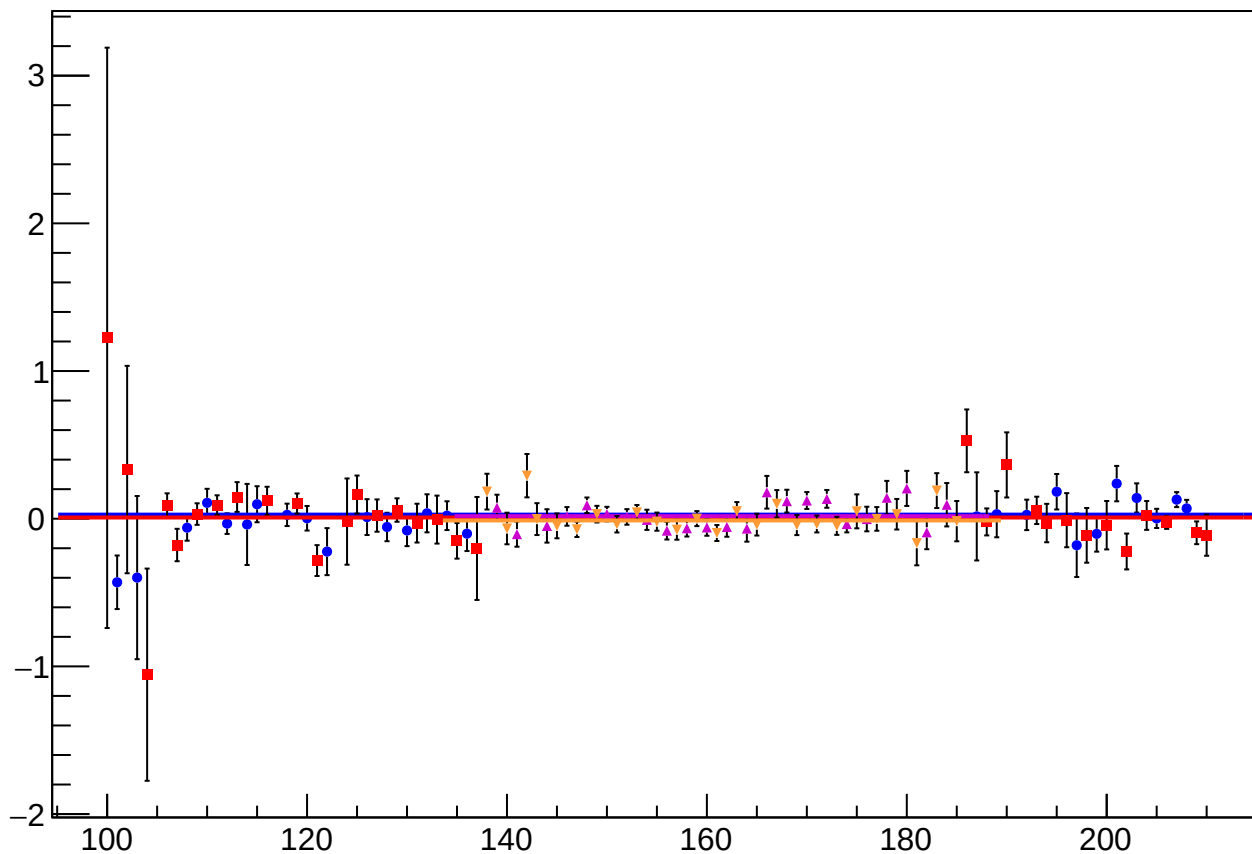
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140063.7/22

+ sign 58.938 $\pm$ 0.008 χ^2 /NDF: 7172001.6/51

All: 59.033 $\pm$ 0.006 χ^2 /NDF: 15729893.5/106

- sign 59.127 $\pm$ 0.008 χ^2 /NDF: 8557614.2/54

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.019 χ^2/NDF : 28.3/26

Left Out: -0.012 ± 0.014 χ^2/NDF : 21.8/24

Right Out: 0.008 ± 0.018 χ^2/NDF : 41.7/31

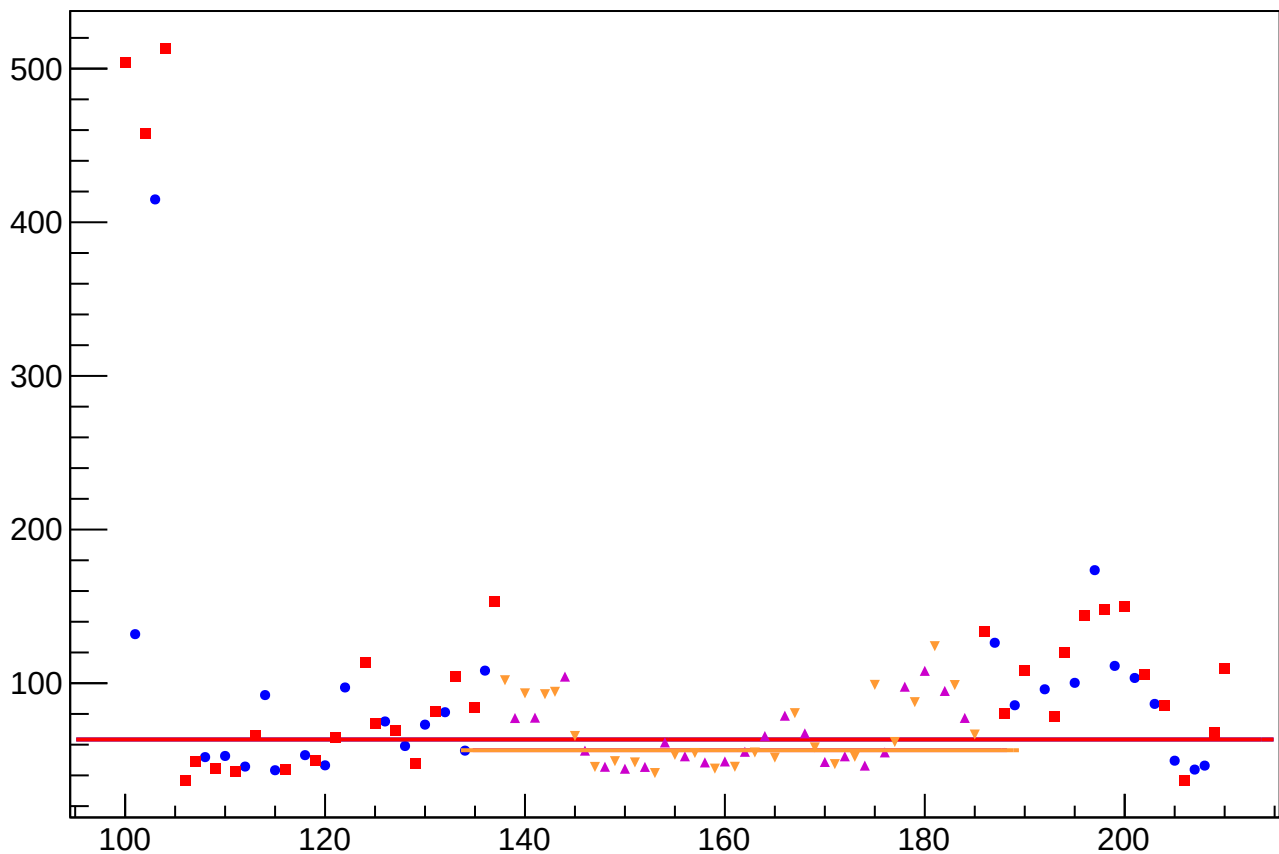
Left In: 0.017 ± 0.014 χ^2/NDF : 30.6/22

+ sign 0.003 ± 0.011 χ^2/NDF : 52.8/51

All: 0.008 ± 0.008 χ^2/NDF : 125.8/106

- sign 0.014 ± 0.011 χ^2/NDF : 72.5/54

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.372 $\pm$ 0.013 χ^2 /NDF: 4199546.8/26

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797380.0/24

Right Out: 63.364 $\pm$ 0.013 χ^2 /NDF: 6242698.7/31

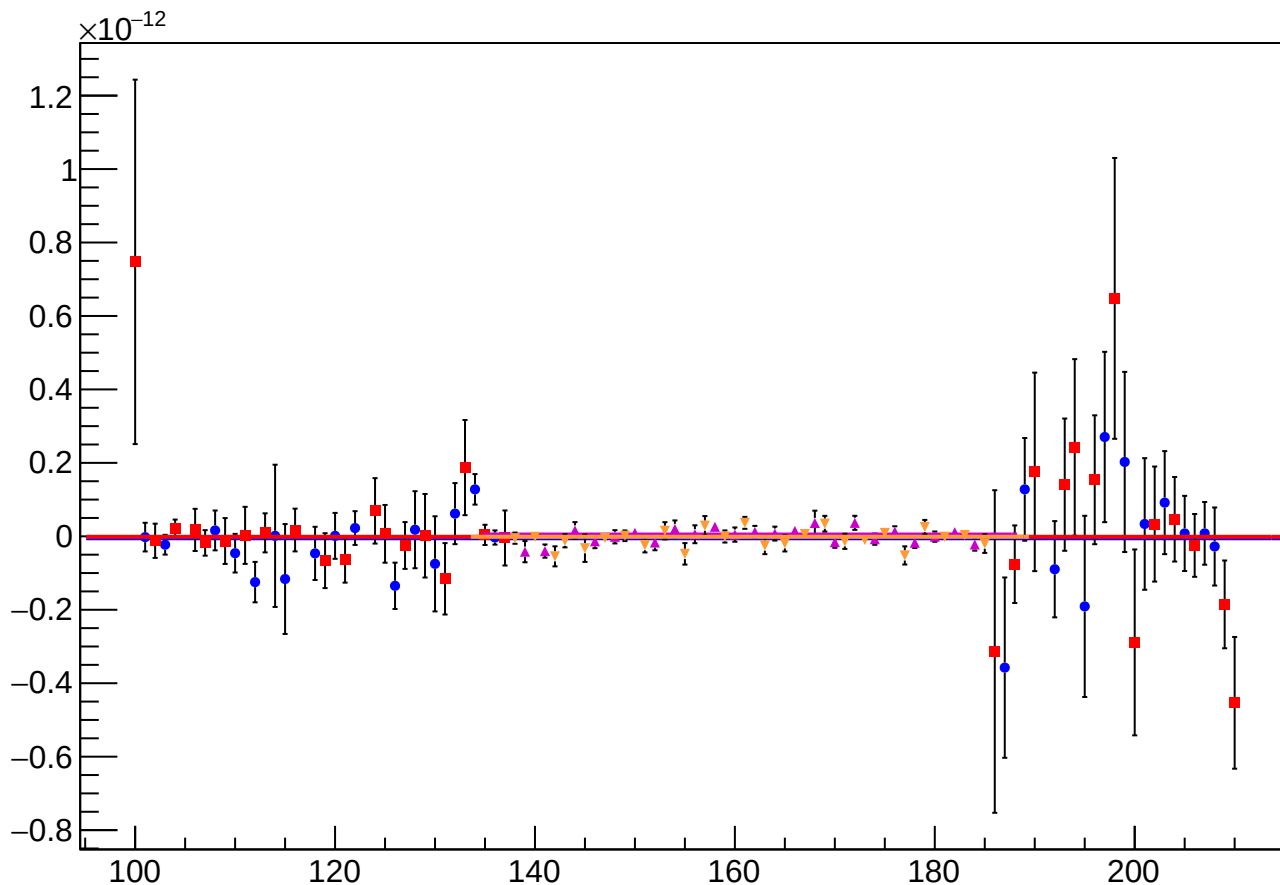
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140063.7/22

+ sign 58.938 $\pm$ 0.008 χ^2 /NDF: 7172001.6/51

All: 59.033 $\pm$ 0.006 χ^2 /NDF: 15729893.5/106

- sign 59.127 $\pm$ 0.008 χ^2 /NDF: 8557614.2/54

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 29.3/26

Left Out: -0.000+/-0.000 χ^2 /NDF: 29.6/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 26.8/31

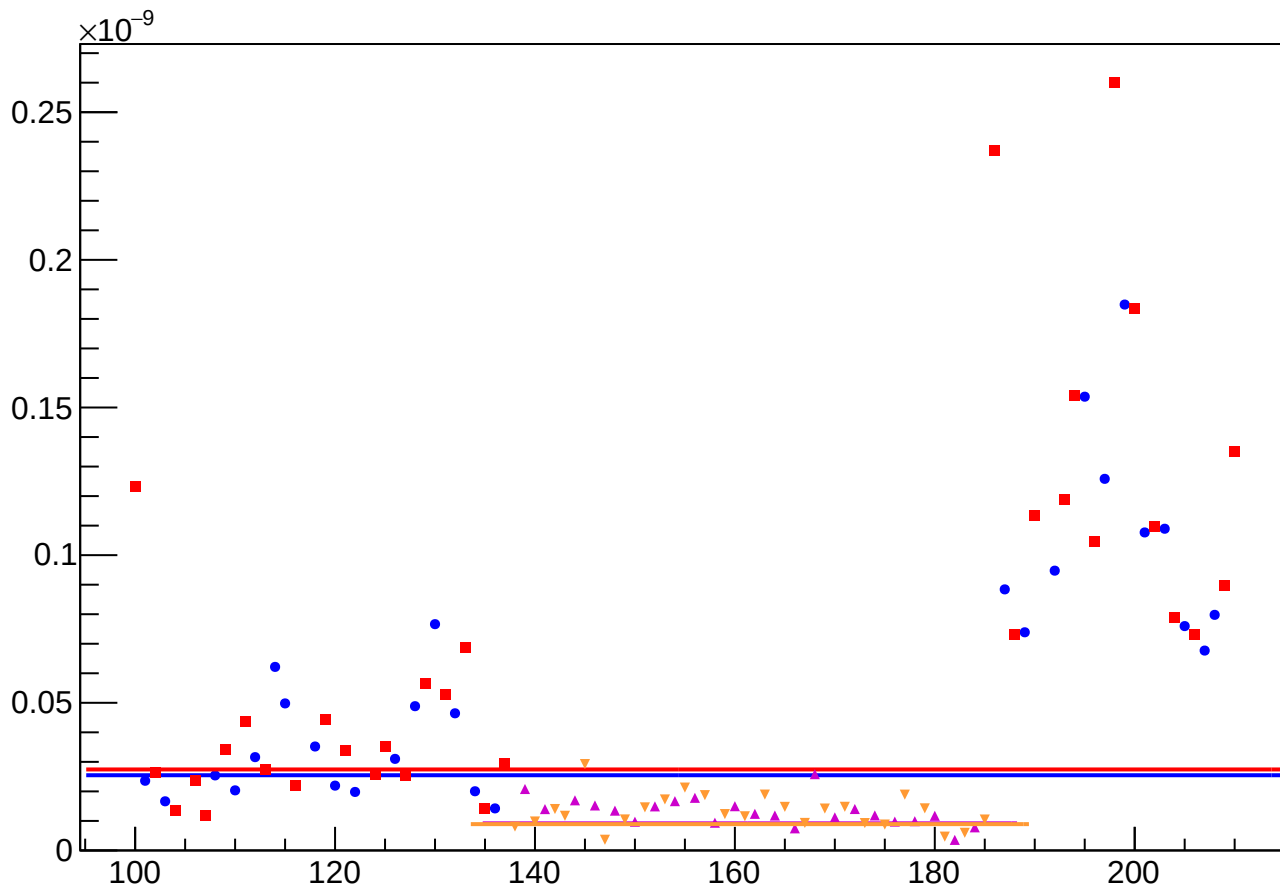
Left In: 0.000+/-0.000 χ^2 /NDF: 28.4/22

+ sign -0.000+/-0.000 χ^2 /NDF: 59.0/51

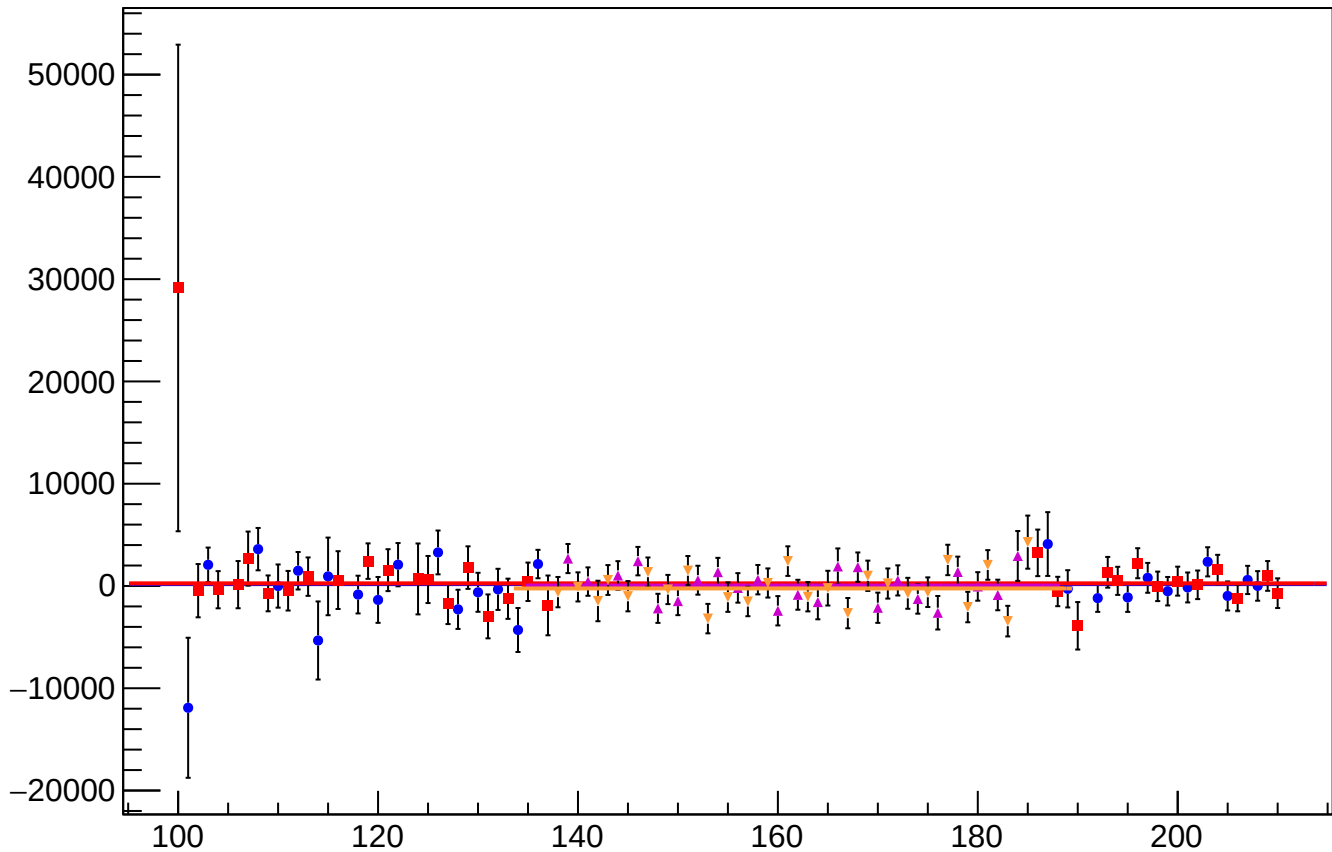
All: 0.000+/-0.000 χ^2 /NDF: 116.7/106

- sign 0.000+/-0.000 χ^2 /NDF: 55.5/54

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_usr_atr1_dd_mean vs Slug



Right In: 183.362+/-340.431 χ^2/NDF : 28.8/26

Left Out: -240.873+/-300.008 χ^2/NDF :31.7/24

Right Out: 255.802+/-319.429 χ^2/NDF : 20.5/31

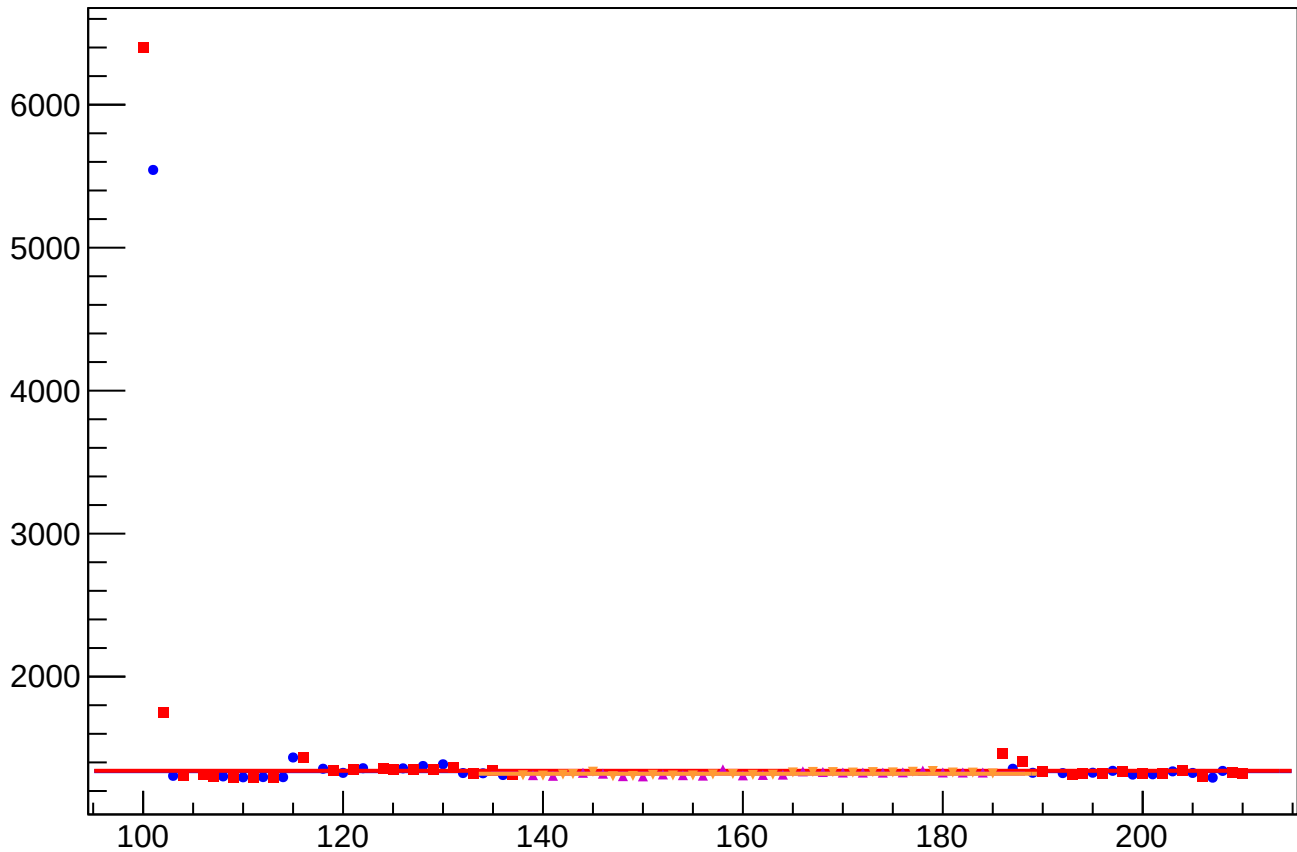
Left In: 39.122+/-308.622 χ^2/NDF :27.1/22

+ sign -55.426+/-225.079 χ^2/NDF : 61.4/51

All: 45.548+/-158.037 χ^2/NDF : 109.6/106

- sign 143.735+/-221.951 χ^2/NDF : 47.8/54

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1338.735+/-0.241 χ^2/NDF : 766418.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF : 2602.3/24

Right Out: 1341.339+/-0.226 χ^2/NDF : 161938.5/31

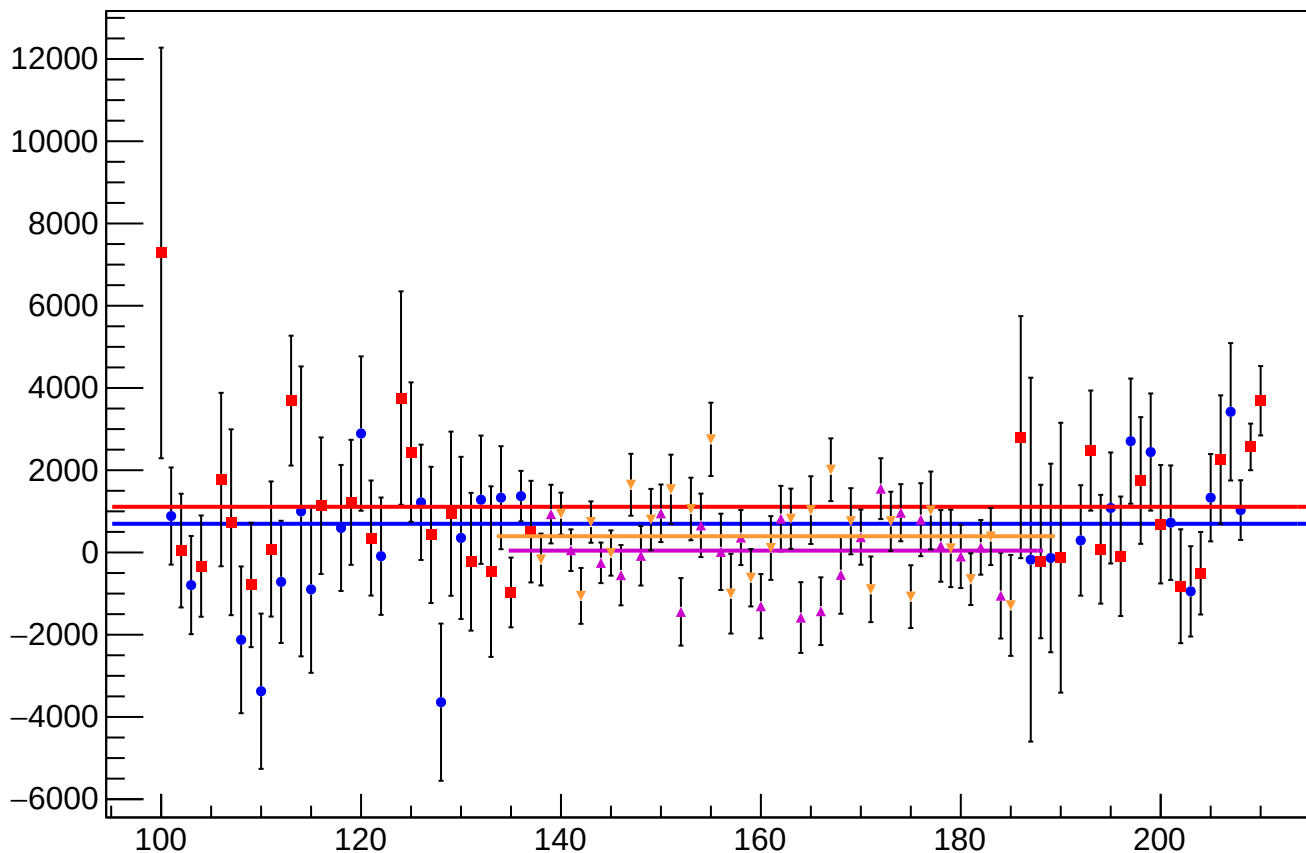
Left In: 1321.782+/-0.218 χ^2/NDF : 3553.3/22

+ sign 1328.606+/-0.159 χ^2/NDF : 772166.5/51

All: 1329.934+/-0.112 χ^2/NDF : 941672.5/100

- sign 1331.224+/-0.157 χ^2/NDF : 169368.8/54

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 697.604 $\pm$ 254.128 χ^2/NDF : 27.9/26

Left Out: 394.550 $\pm$ 144.562 χ^2/NDF : 41.8/24

Right Out: 1110.560 $\pm$ 240.652 χ^2/NDF : 42.3/31

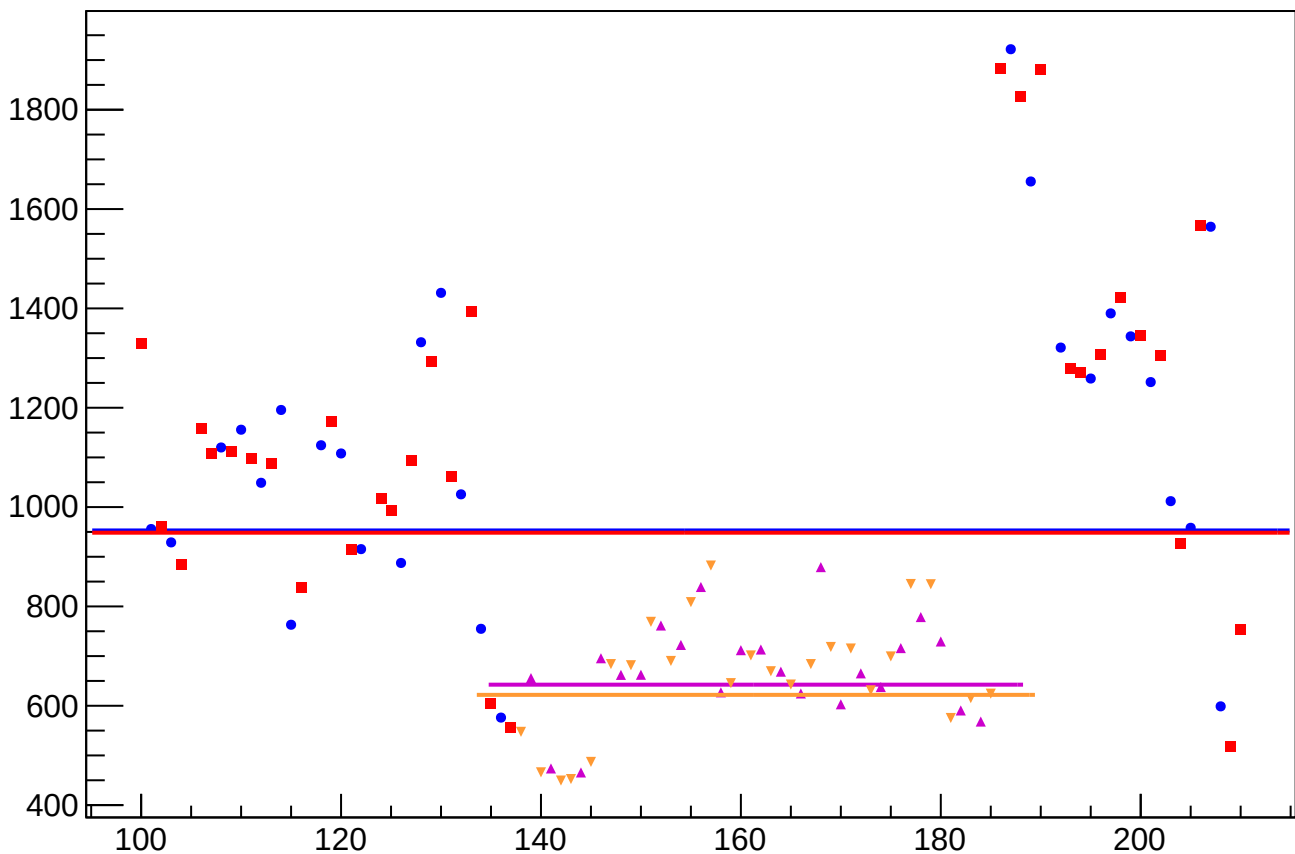
Left In: 44.777 $\pm$ 152.333 χ^2/NDF : 27.6/22

+ sign 468.641 $\pm$ 125.654 χ^2/NDF : 70.8/51

All: 410.582 $\pm$ 89.913 χ^2/NDF : 155.2/106

- sign 349.661 $\pm$ 128.713 χ^2/NDF : 83.9/54

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 952.955 $\pm$ 0.180 χ^2 /NDF: 2818221.1/26

Left Out: 621.950 $\pm$ 0.102 χ^2 /NDF: 1383473.2/24

Right Out: 948.440 $\pm$ 0.170 χ^2 /NDF: 4063440.1/31

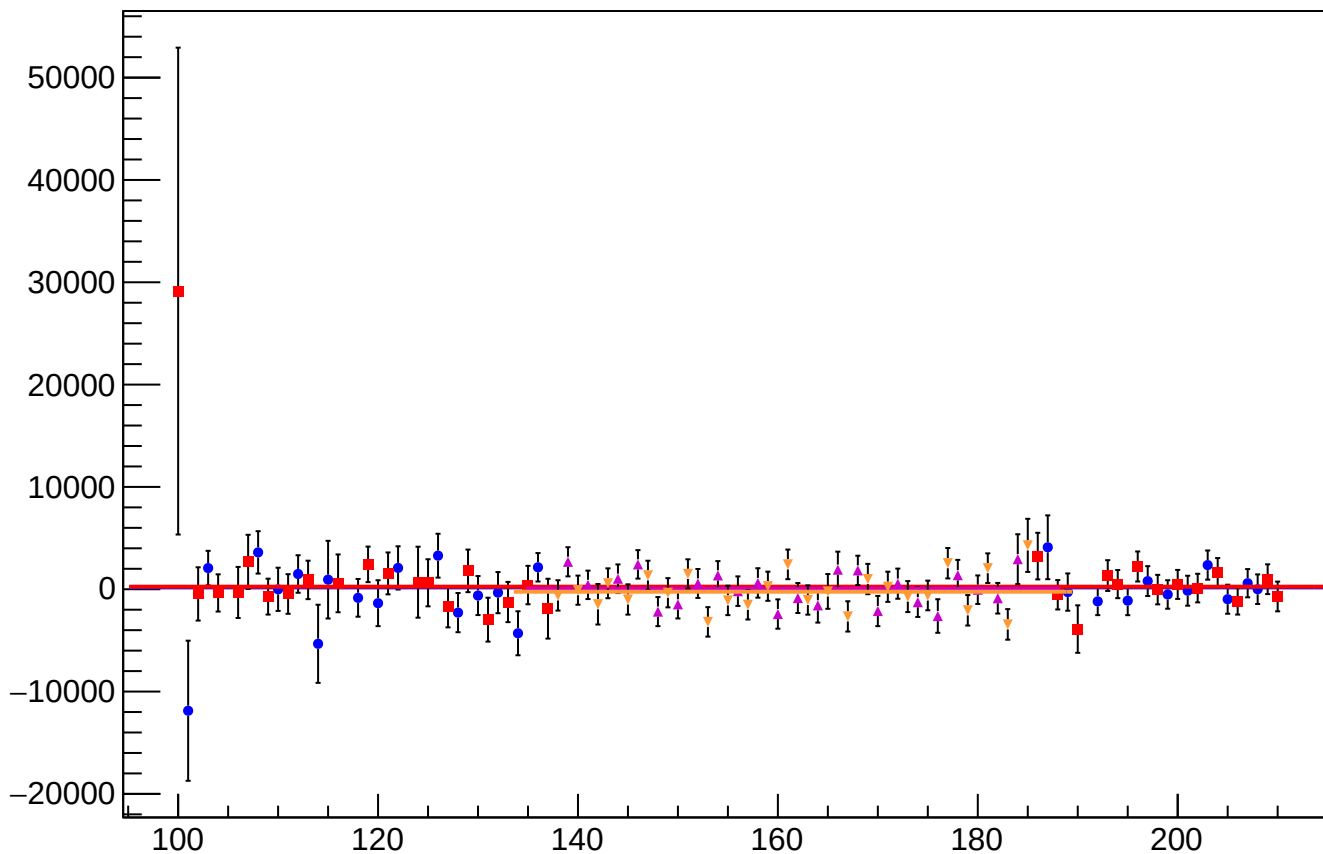
Left In: 642.470 $\pm$ 0.108 χ^2 /NDF: 926330.5/22

+ sign 702.875 $\pm$ 0.089 χ^2 /NDF: 6765219.3/51

All: 716.110 $\pm$ 0.064 χ^2 /NDF: 14108624.2/10

- sign 729.998 $\pm$ 0.091 χ^2 /NDF: 7297933.0/54

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 183.456+/-340.431 χ^2/NDF : 28.7/26

Left Out: -240.875+/-300.008 χ^2/NDF : 31.7/24

Right Out: 249.004+/-319.871 χ^2/NDF : 20.5/31

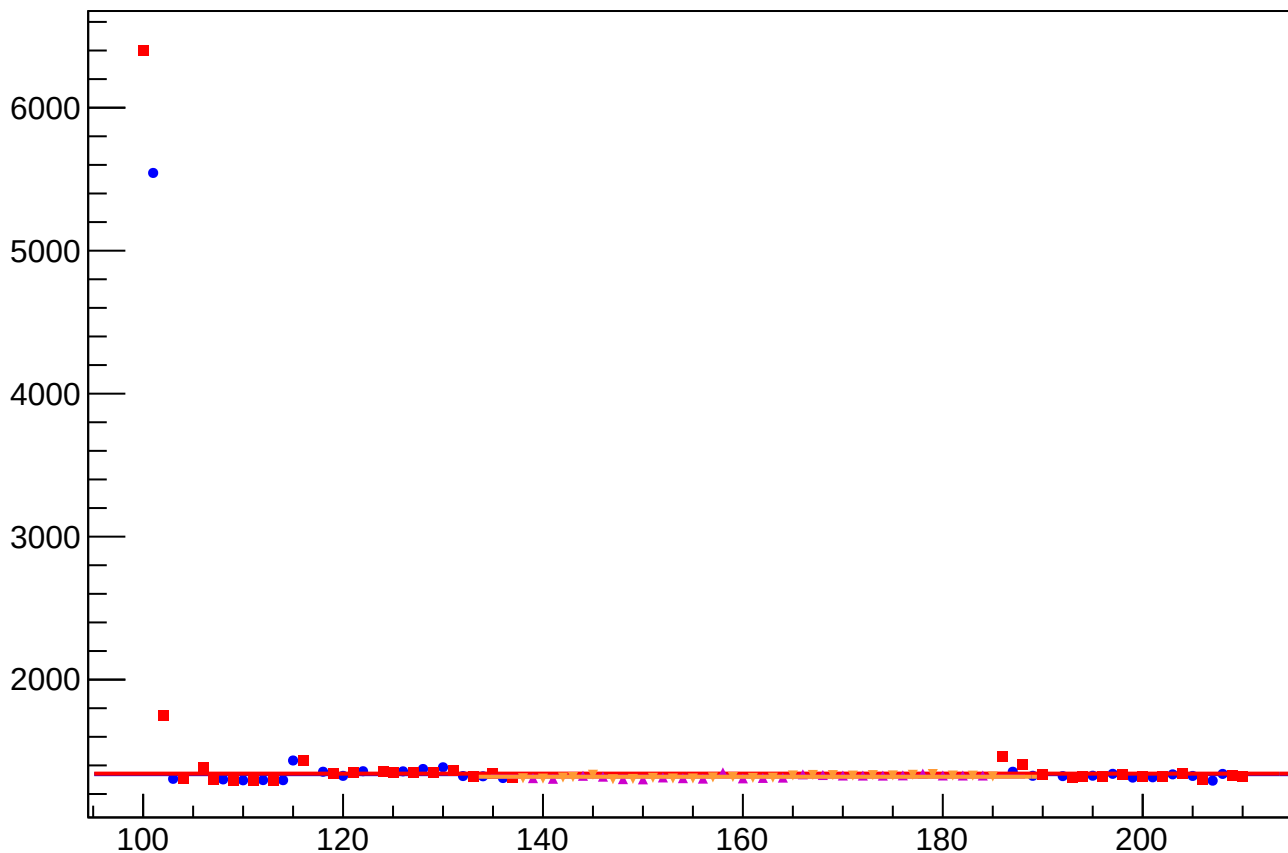
Left In: 39.193+/-308.622 χ^2/NDF : 27.1/22

+ sign -55.386+/-225.079 χ^2/NDF : 61.3/51

All: 43.783+/-158.091 χ^2/NDF : 109.6/106

- sign 140.344+/-222.099 χ^2/NDF : 47.9/54

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1338.735+/-0.241 χ^2/NDF : 766417.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF : 2602.3/24

Right Out: 1342.576+/-0.226 χ^2/NDF : 162418.5/31

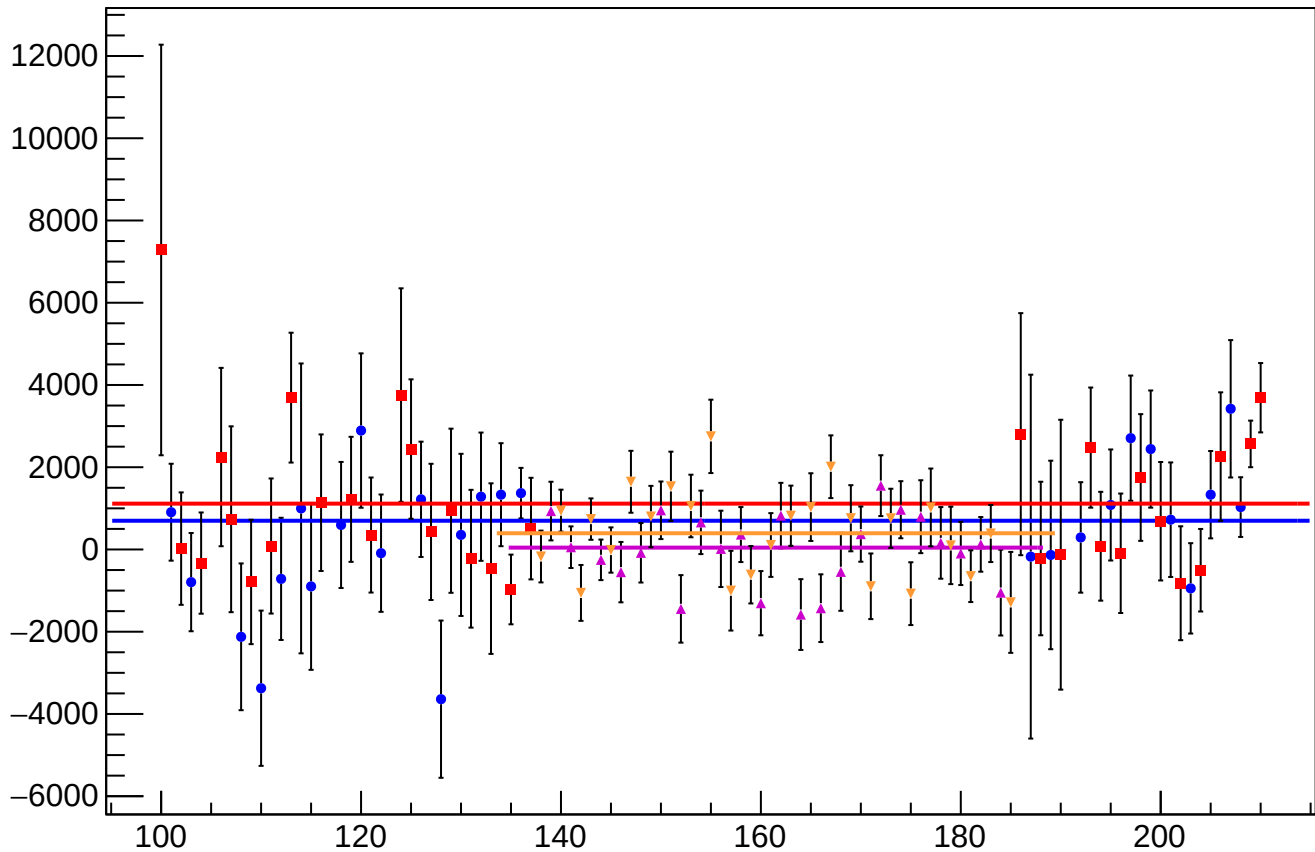
Left In: 1321.783+/-0.218 χ^2/NDF : 3553.3/22

+ sign 1328.606+/-0.159 χ^2/NDF : 772165.5/51

All: 1330.228+/-0.112 χ^2/NDF : 942719.3/106

- sign 1331.807+/-0.157 χ^2/NDF : 170348.9/54

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 698.596 $\pm$ 254.103 χ^2 /NDF: 27.9/26

Left Out: 394.522 $\pm$ 144.562 χ^2 /NDF: 41.8/24

Right Out: 1114.498 $\pm$ 240.653 χ^2 /NDF: 42.6/31

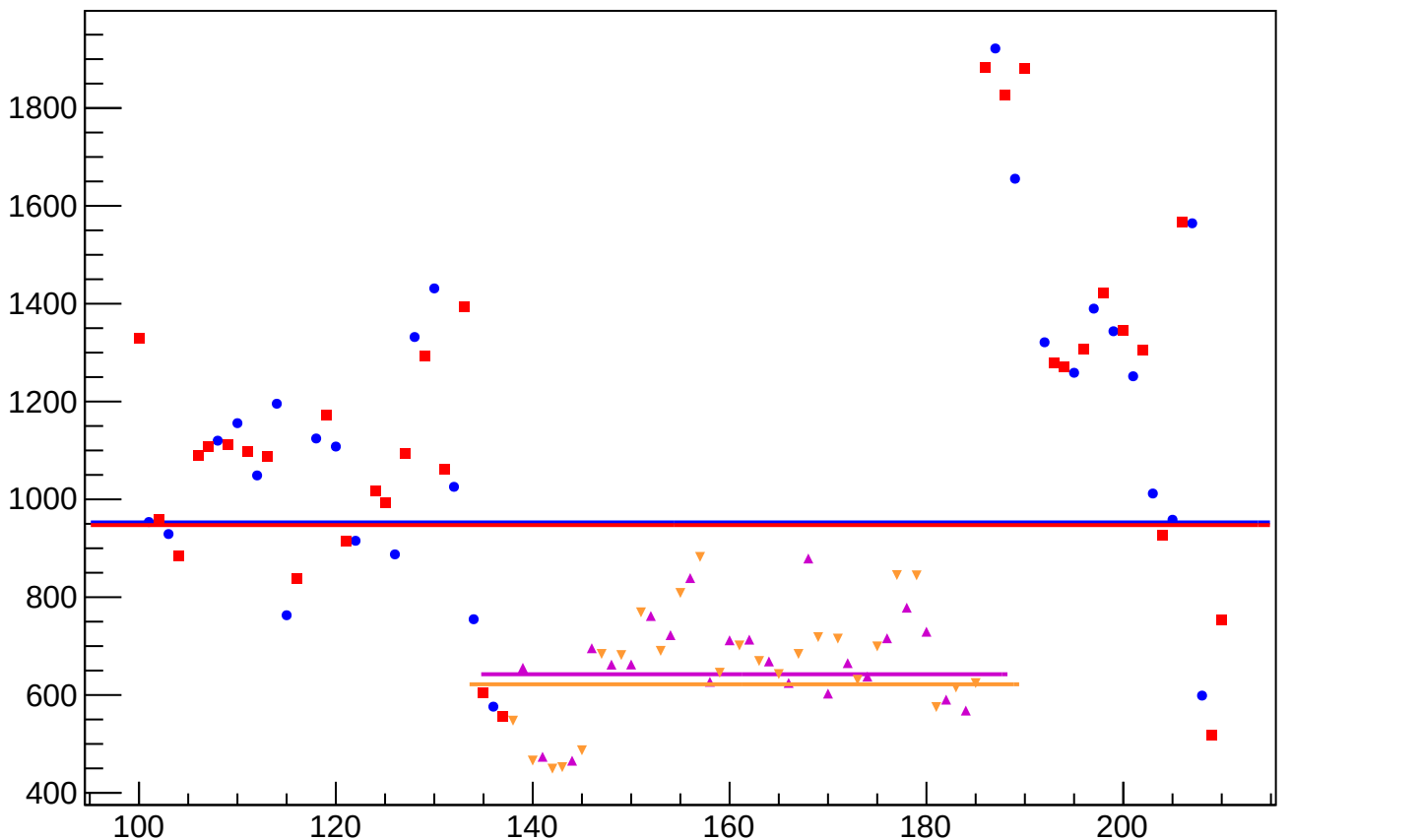
Left In: 44.766 $\pm$ 152.332 χ^2 /NDF: 27.6/22

+ sign 468.873 $\pm$ 125.651 χ^2 /NDF: 70.8/51

All: 411.245 $\pm$ 89.911 χ^2 /NDF: 155.5/106

- sign 350.775 $\pm$ 128.712 χ^2 /NDF: 84.3/54

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 952.865 $\pm$ 0.180 χ^2 /NDF: 2818232.0/26

Left Out: 621.950 $\pm$ 0.102 χ^2 /NDF:1383373.4/24

Right Out: 947.416 $\pm$ 0.170 χ^2 /NDF: 4052327.3/31

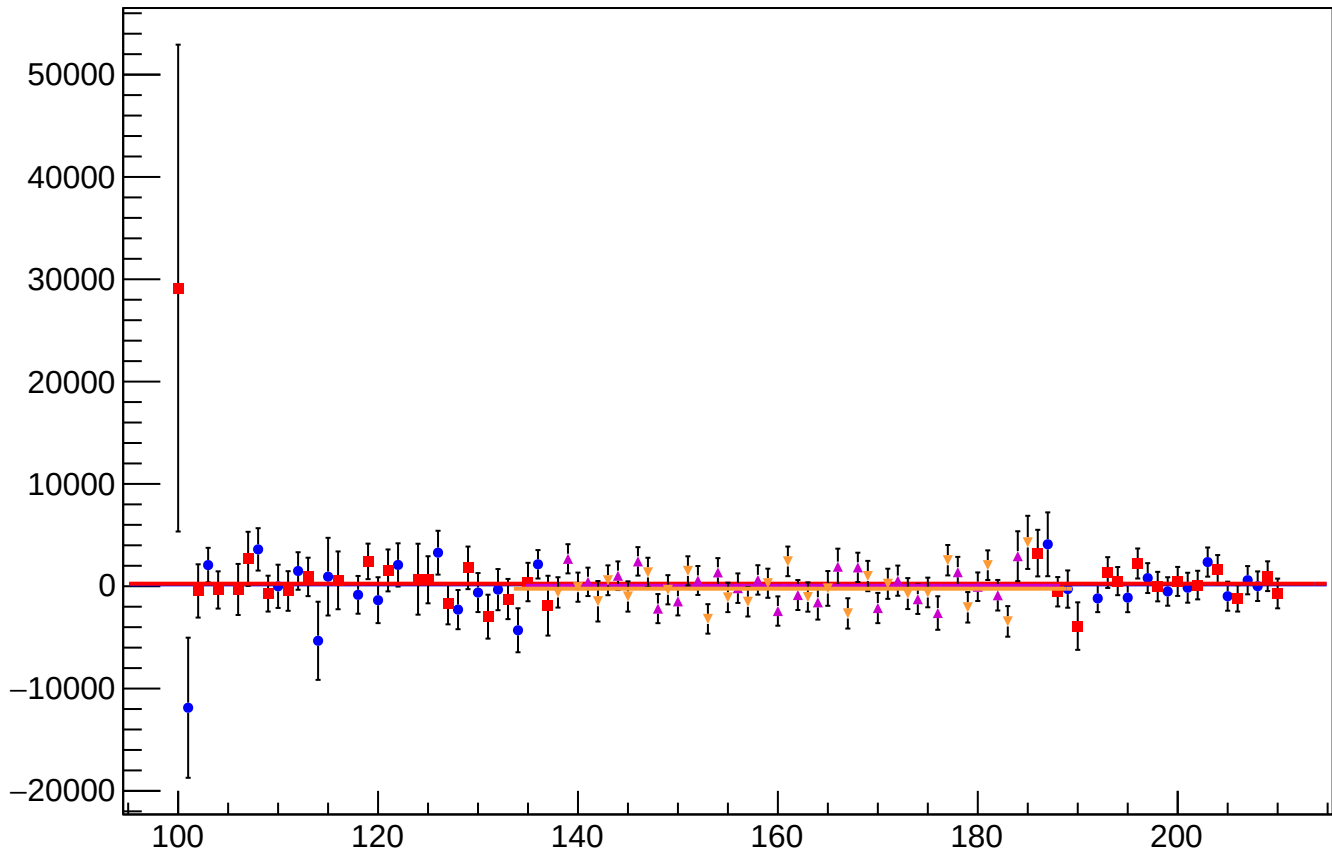
Left In: 642.465 $\pm$ 0.108 χ^2 /NDF:926376.1/22

+ sign 702.865 $\pm$ 0.089 χ^2 /NDF: 6764117.4/51

All: 715.959 $\pm$ 0.064 χ^2 /NDF: 14080141.0/10

- sign 729.700 $\pm$ 0.091 χ^2 /NDF: 7271509.5/54

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 183.456+/-340.431 χ^2/NDF : 28.7/26

Left Out: -240.875+/-300.008 χ^2/NDF : 31.7/24

Right Out: 249.004+/-319.871 χ^2/NDF : 20.5/31

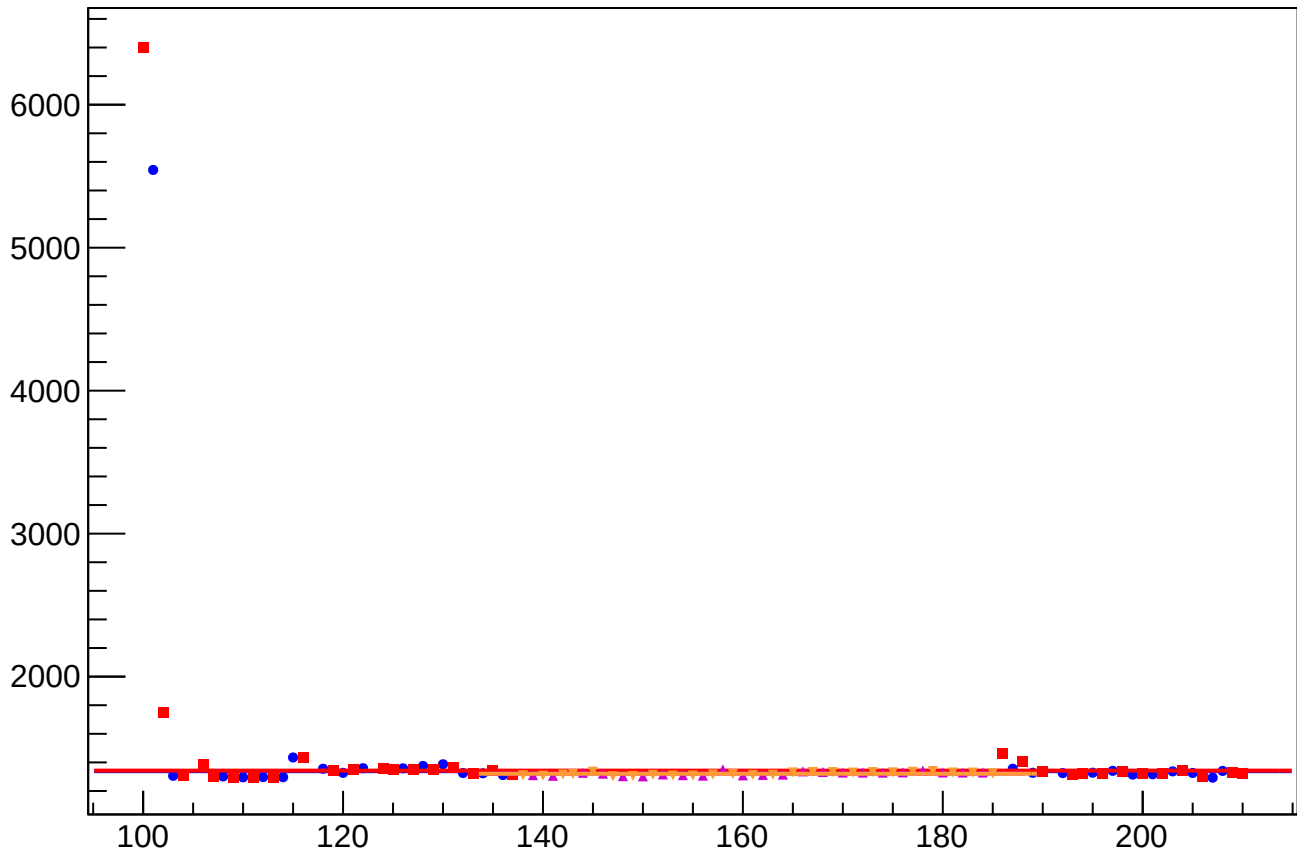
Left In: 39.193+/-308.622 χ^2/NDF : 27.1/22

+ sign -55.386+/-225.079 χ^2/NDF : 61.3/51

All: 43.783+/-158.091 χ^2/NDF : 109.6/106

- sign 140.344+/-222.099 χ^2/NDF : 47.9/54

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1338.735 $\pm$ 0.241 χ^2 /NDF: 766417.8/26

Left Out: 1320.740 $\pm$ 0.212 χ^2 /NDF: 2602.3/24

Right Out: 1342.576 $\pm$ 0.226 χ^2 /NDF: 162418.5/31

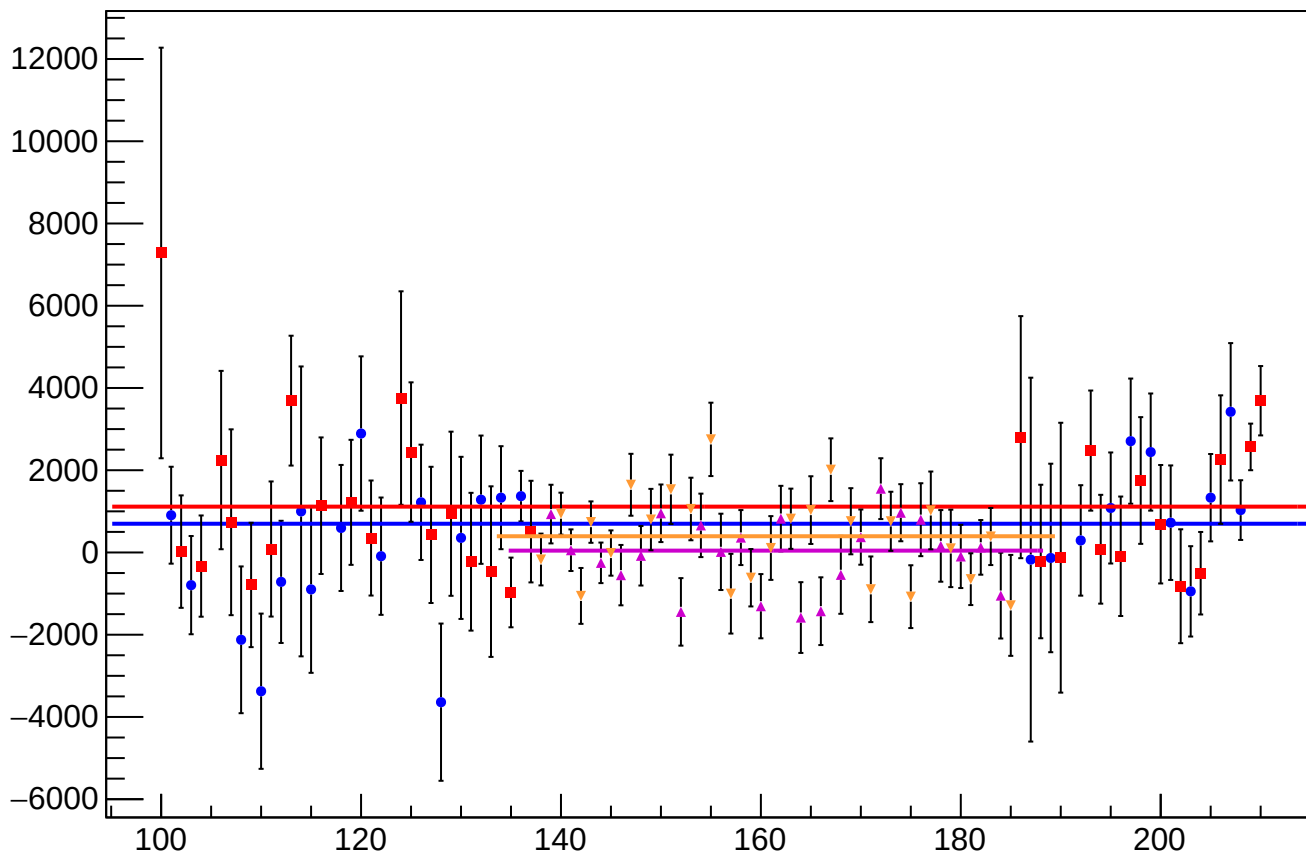
Left In: 1321.783 $\pm$ 0.218 χ^2 /NDF: 3553.3/22

+ sign 1328.606 $\pm$ 0.159 χ^2 /NDF: 772165.5/51

All: 1330.228 $\pm$ 0.112 χ^2 /NDF: 942719.3/106

- sign 1331.807 $\pm$ 0.157 χ^2 /NDF: 170348.9/54

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 698.596 $\pm$ 254.103 χ^2 /NDF: 27.9/26

Left Out: 394.522 $\pm$ 144.562 χ^2 /NDF:41.8/24

Right Out: 1114.498 $\pm$ 240.653 χ^2 /NDF: 42.6/31

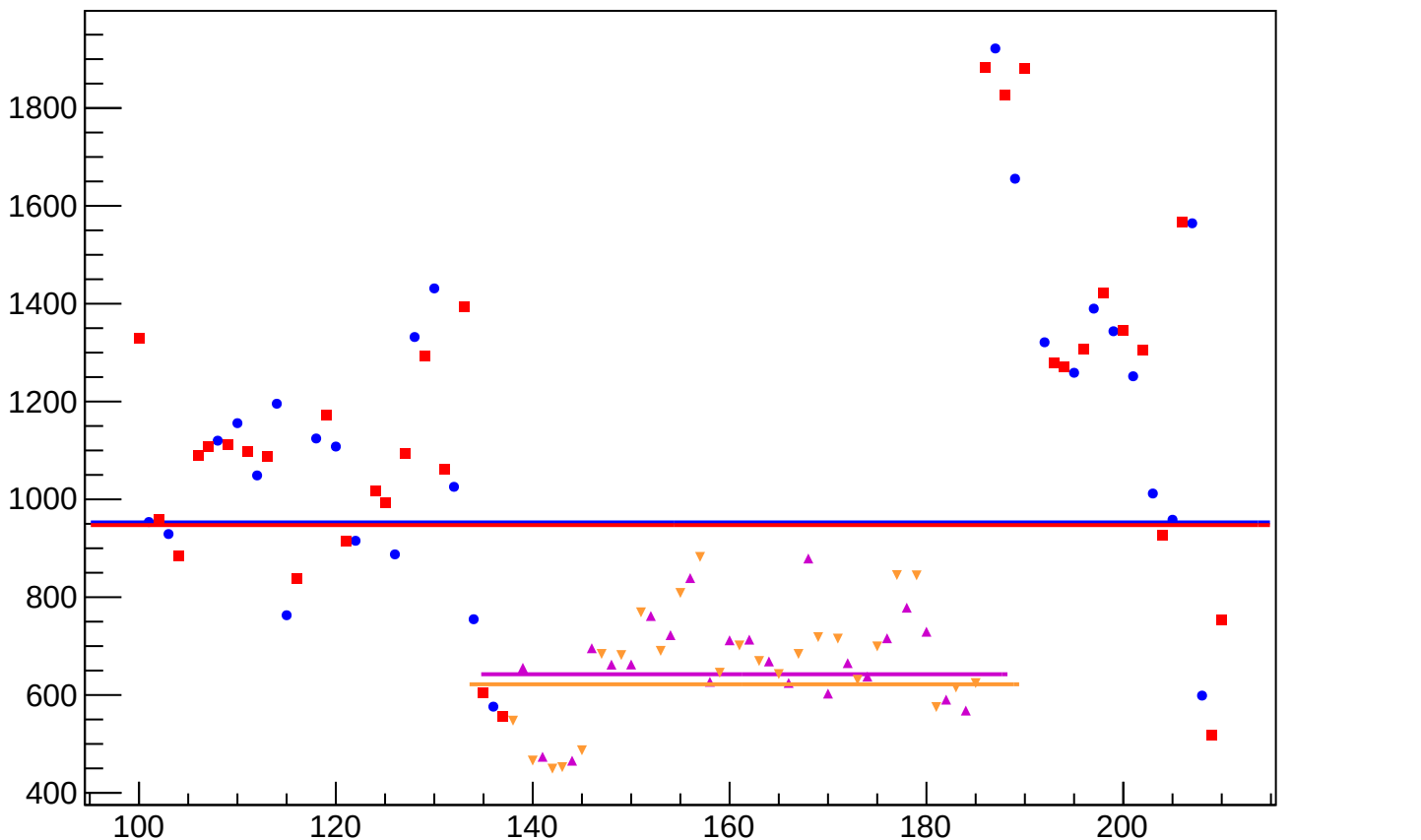
Left In: 44.766 $\pm$ 152.332 χ^2 /NDF:27.6/22

+ sign 468.873 $\pm$ 125.651 χ^2 /NDF: 70.8/51

All: 411.245 $\pm$ 89.911 χ^2 /NDF: 155.5/106

- sign 350.775 $\pm$ 128.712 χ^2 /NDF: 84.3/54

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 952.865 $\pm$ 0.180 χ^2 /NDF: 2818232.0/26

Left Out: 621.950 $\pm$ 0.102 χ^2 /NDF:1383373.4/24

Right Out: 947.416 $\pm$ 0.170 χ^2 /NDF: 4052327.3/31

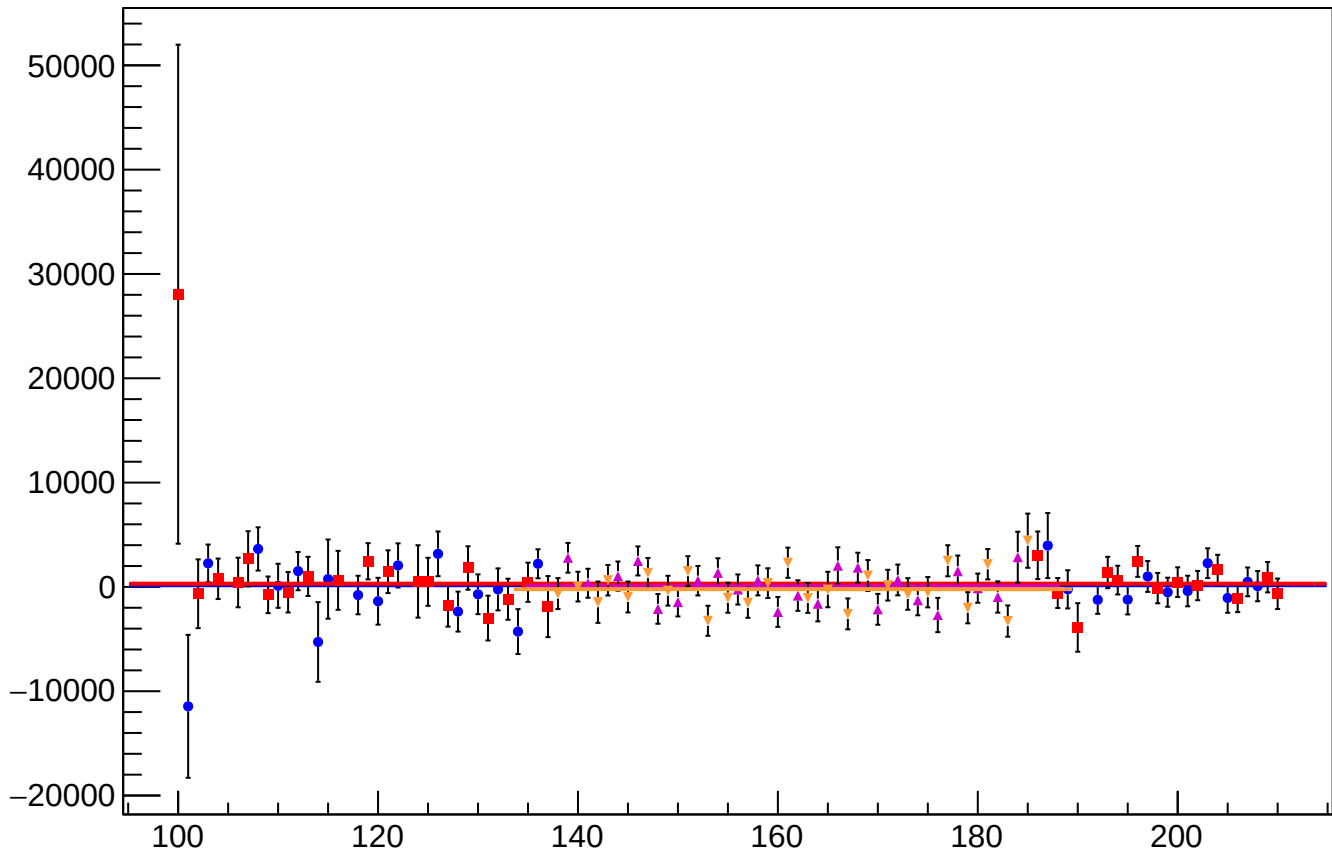
Left In: 642.465 $\pm$ 0.108 χ^2 /NDF:926376.1/22

+ sign 702.865 $\pm$ 0.089 χ^2 /NDF: 6764117.4/51

All: 715.959 $\pm$ 0.064 χ^2 /NDF: 14080141.0/10

- sign 729.700 $\pm$ 0.091 χ^2 /NDF: 7271509.5/54

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 161.141+/-341.991 χ^2/NDF : 28.8/26

Left Out: -215.033+/-300.379 χ^2/NDF : 31.3/24

Right Out: 309.045+/-321.963 χ^2/NDF : 20.5/31

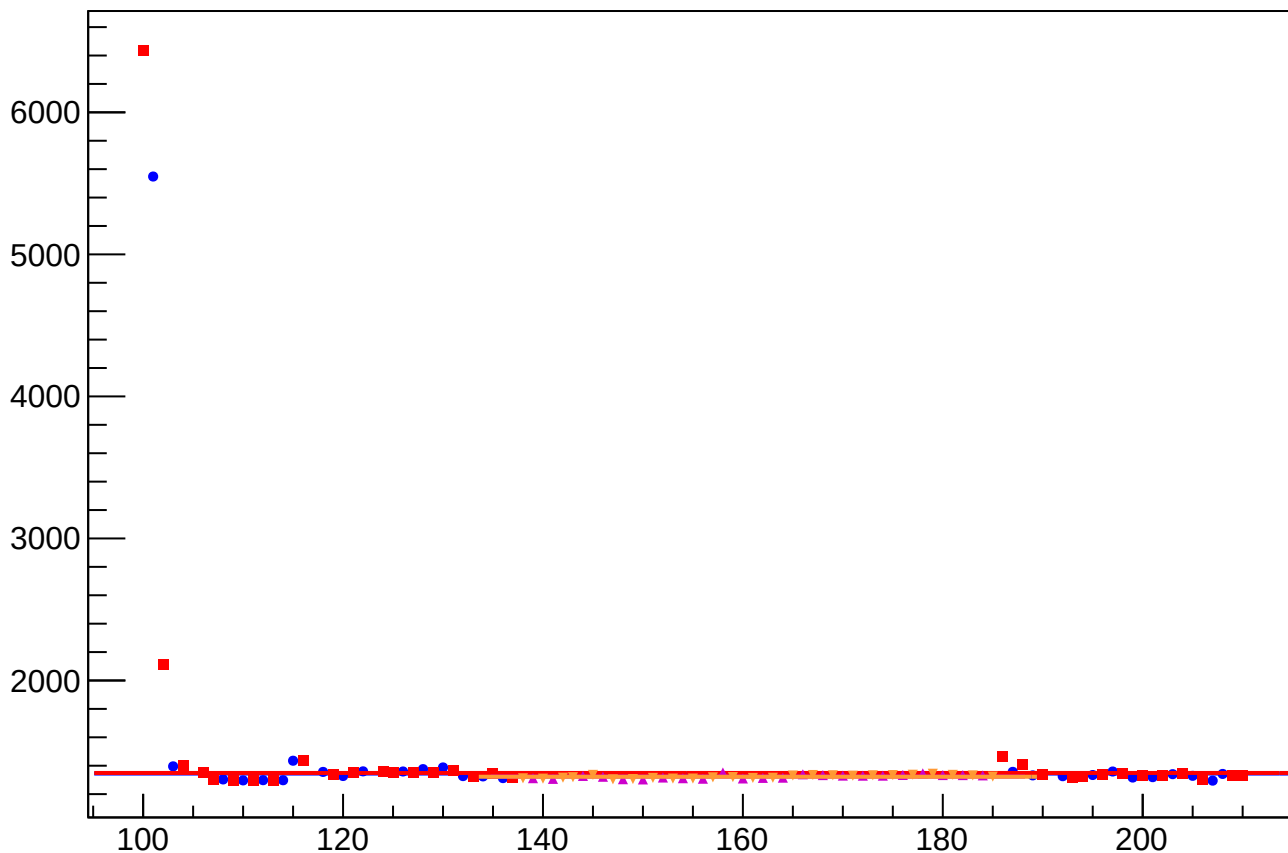
Left In: 50.244+/-308.986 χ^2/NDF : 27.8/22

+ sign -51.212+/-225.686 χ^2/NDF : 60.8/51

All: 62.940+/-158.602 χ^2/NDF : 109.9/106

- sign 174.324+/-222.933 χ^2/NDF : 48.7/54

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1344.828+/-0.242 χ^2/NDF : 767142.6/26

Left Out: 1322.369+/-0.212 χ^2/NDF : 2931.9/24

Right Out: 1348.983+/-0.228 χ^2/NDF : 220370.9/31

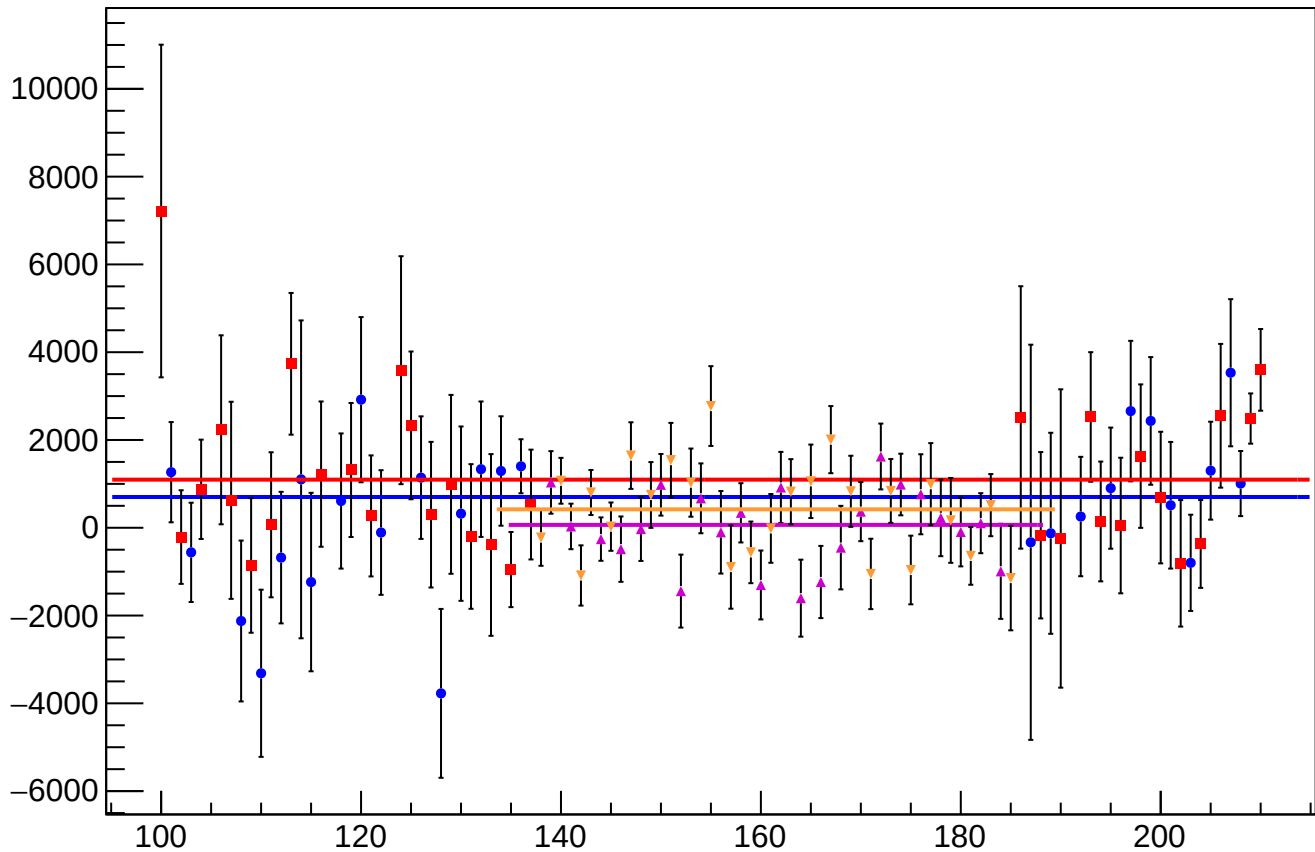
Left In: 1323.337+/-0.218 χ^2/NDF : 3856.3/22

+ sign 1332.150+/-0.160 χ^2/NDF : 774943.8/51

All: 1333.913+/-0.112 χ^2/NDF : 1006017.7/100

- sign 1335.633+/-0.158 χ^2/NDF : 230832.8/54

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 701.042 ± 255.751 χ^2/NDF : 27.5/26

Left Out: 419.899 ± 146.436 χ^2/NDF : 41.5/24

Right Out: 1096.056 ± 241.677 χ^2/NDF : 39.0/31

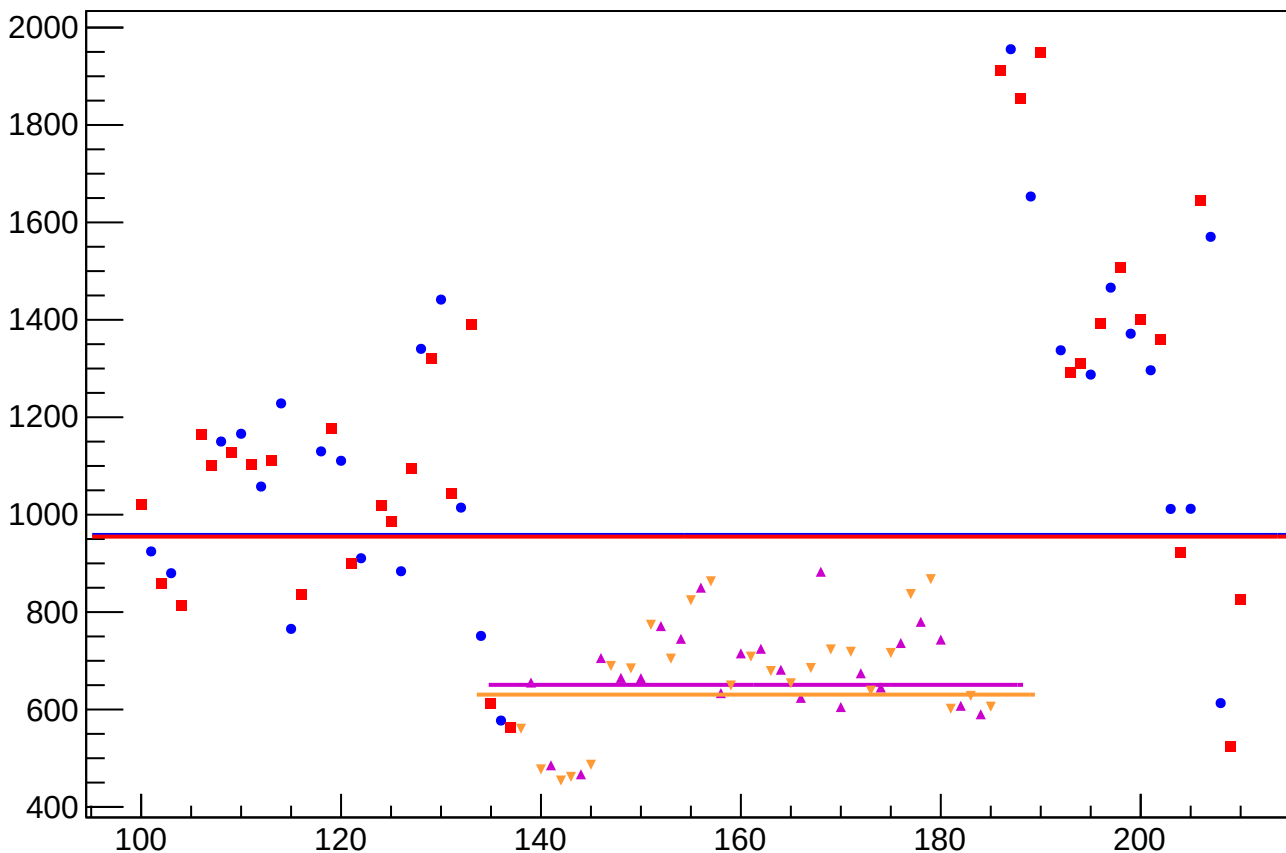
Left In: 65.405 ± 154.224 χ^2/NDF : 27.0/22

+ sign 489.312 ± 127.079 χ^2/NDF : 69.9/51

All: 427.916 ± 90.876 χ^2/NDF : 149.4/106

- sign 363.658 ± 130.008 χ^2/NDF : 79.0/54

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 958.403 $\pm$ 0.181 χ^2 /NDF: 2896868.2/26

Left Out: 630.592 $\pm$ 0.104 χ^2 /NDF: 1328590.6/24

Right Out: 954.950 $\pm$ 0.171 χ^2 /NDF: 4207533.9/31

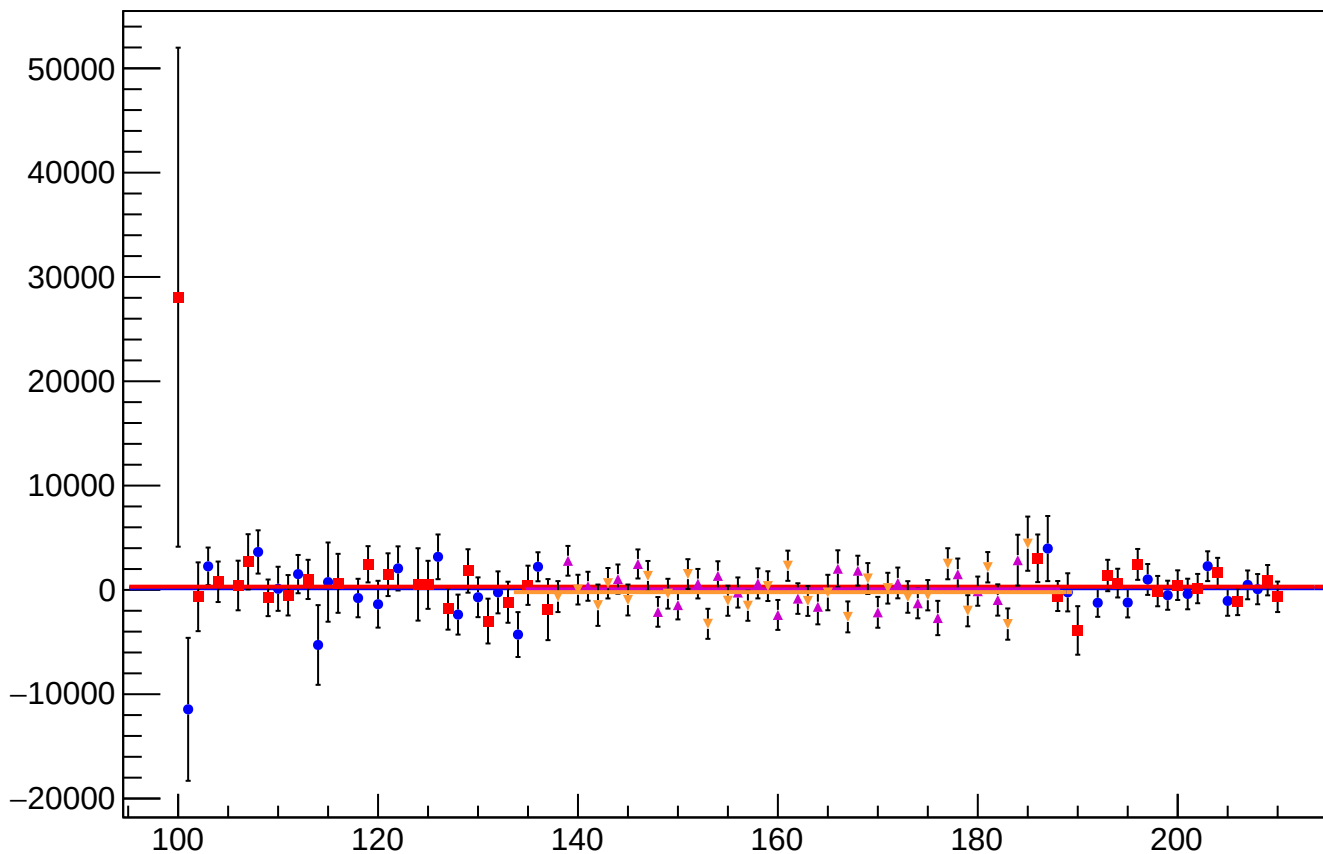
Left In: 650.637 $\pm$ 0.109 χ^2 /NDF: 922078.1/22

+ sign 711.527 $\pm$ 0.090 χ^2 /NDF: 6700021.6/51

All: 724.804 $\pm$ 0.064 χ^2 /NDF: 14127712.8/10

- sign 738.700 $\pm$ 0.092 χ^2 /NDF: 7383012.5/54

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 161.141 $\pm$ 341.991 χ^2 /NDF: 28.8/26

Left Out: -215.035 $\pm$ 300.379 χ^2 /NDF: 31.3/24

Right Out: 309.044 $\pm$ 321.963 χ^2 /NDF: 20.5/31

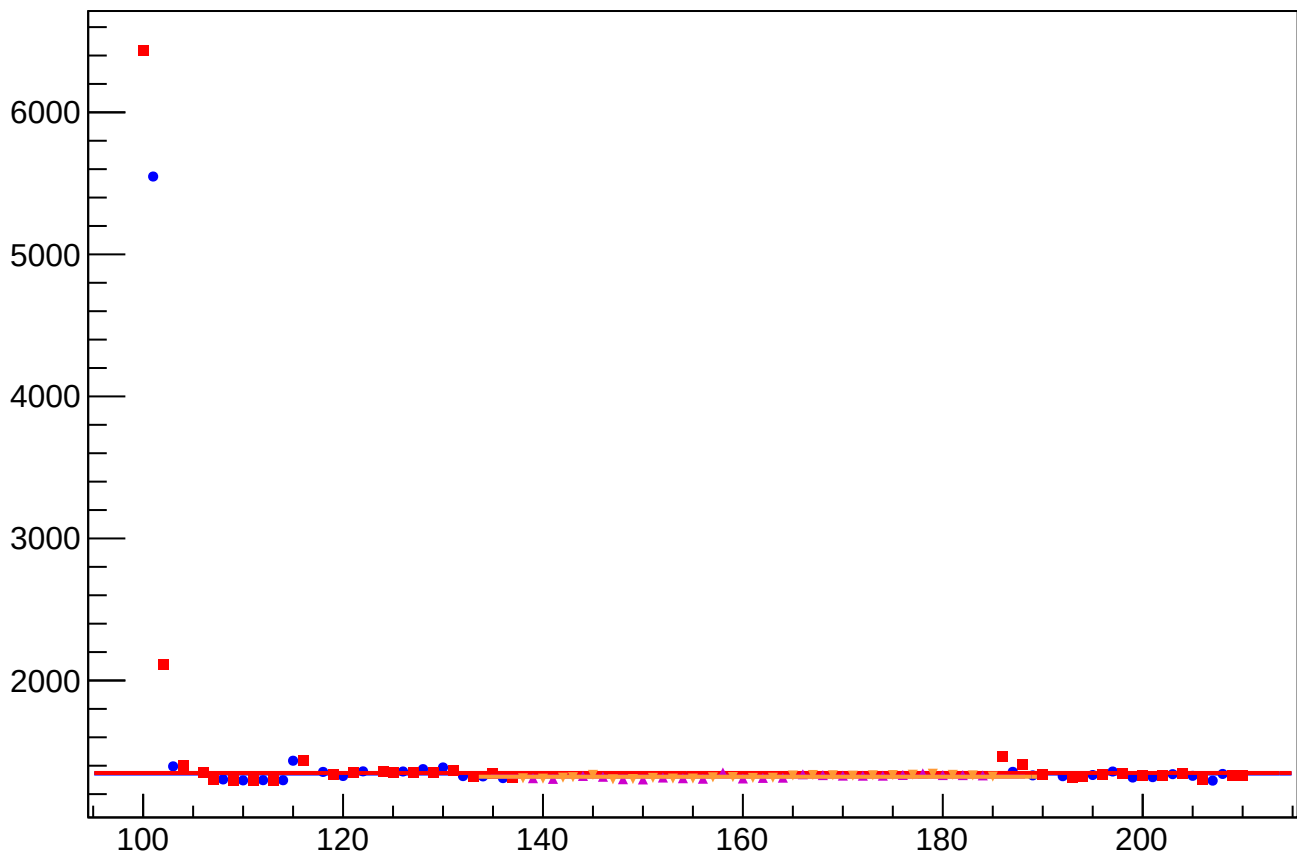
Left In: 50.244 $\pm$ 308.986 χ^2 /NDF: 27.8/22

+ sign -51.213 $\pm$ 225.686 χ^2 /NDF: 60.8/51

All: 62.939 $\pm$ 158.602 χ^2 /NDF: 109.9/106

- sign 174.323 $\pm$ 222.933 χ^2 /NDF: 48.7/54

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1344.828+/-0.242 χ^2/NDF : 767142.6/26

Left Out: 1322.369+/-0.212 χ^2/NDF : 2931.9/24

Right Out: 1348.983+/-0.228 χ^2/NDF : 220370.8/31

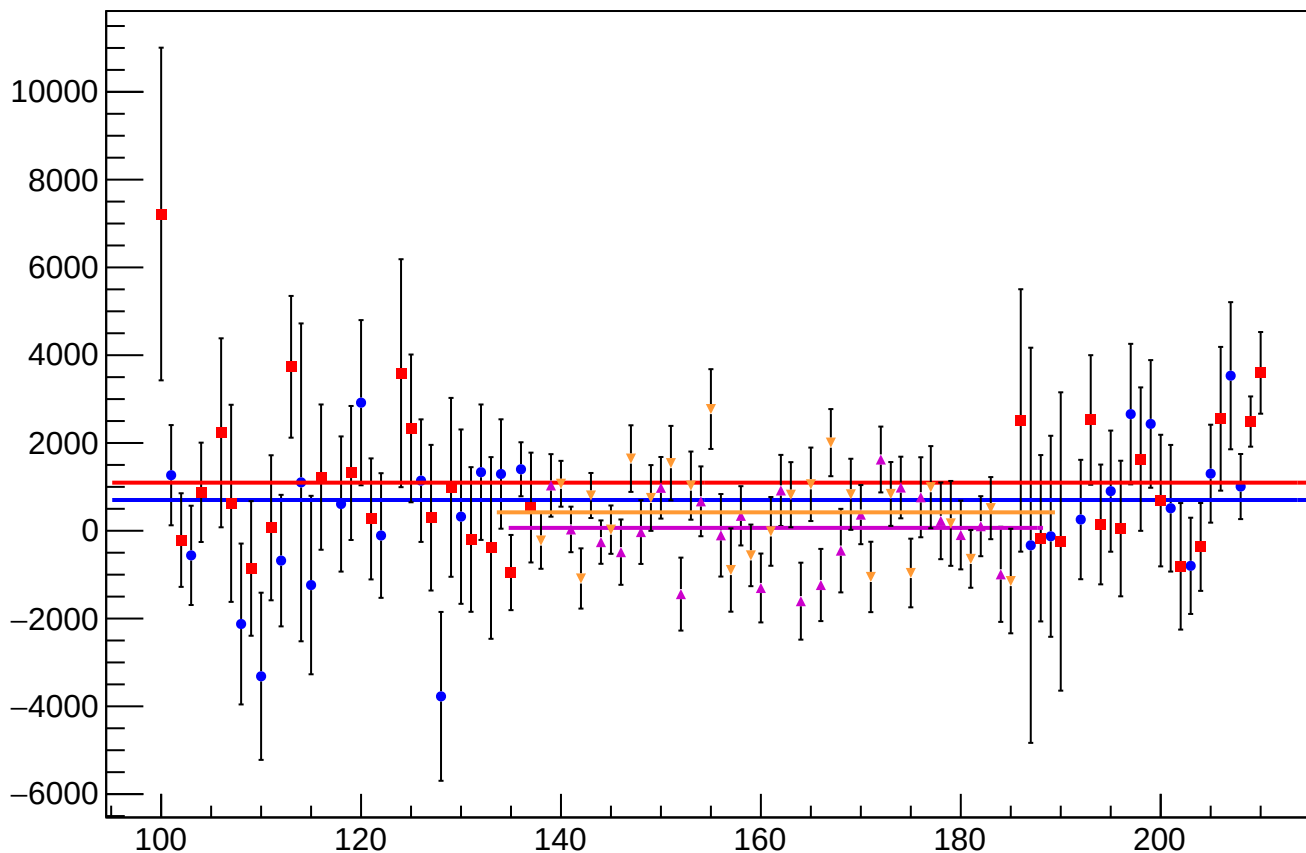
Left In: 1323.337+/-0.218 χ^2/NDF : 3856.3/22

+ sign 1332.150+/-0.160 χ^2/NDF : 774943.7/51

All: 1333.913+/-0.112 χ^2/NDF : 1006017.5/100

- sign 1335.633+/-0.158 χ^2/NDF : 230832.7/54

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 701.039 ± 255.751 $\chi^2/\text{NDF}: 27.5/26$

Left Out: 419.899 ± 146.436 $\chi^2/\text{NDF}: 41.5/24$

Right Out: 1096.057 ± 241.676 $\chi^2/\text{NDF}: 39.0/31$

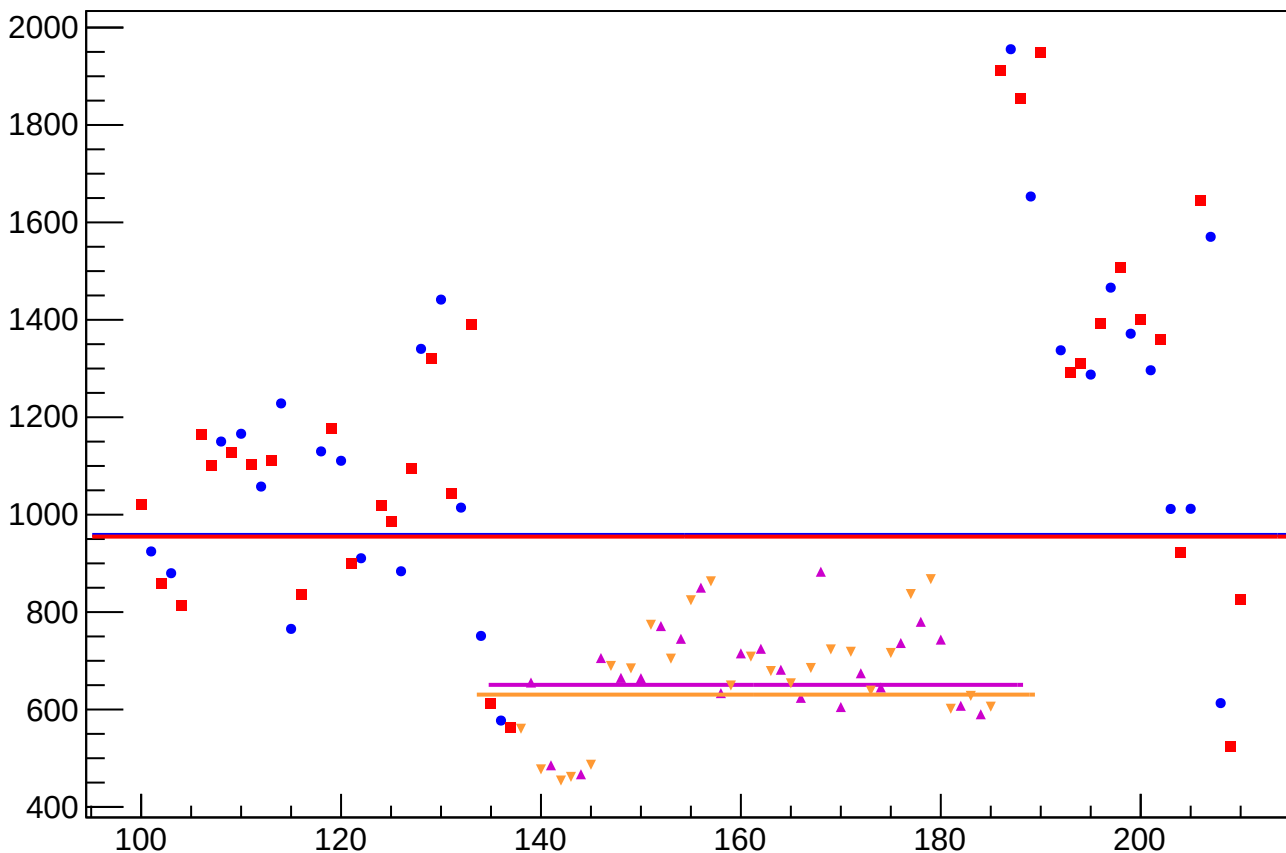
Left In: 65.405 ± 154.225 $\chi^2/\text{NDF}: 27.0/22$

+ sign 489.312 ± 127.079 $\chi^2/\text{NDF}: 69.9/51$

All: 427.917 ± 90.877 $\chi^2/\text{NDF}: 149.4/106$

- sign 363.660 ± 130.008 $\chi^2/\text{NDF}: 79.0/54$

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 958.401 $\pm$ 0.181 χ^2 /NDF: 2896890.5/26

Left Out: 630.592 $\pm$ 0.104 χ^2 /NDF: 1328610.2/24

Right Out: 954.948 $\pm$ 0.171 χ^2 /NDF: 4207561.9/31

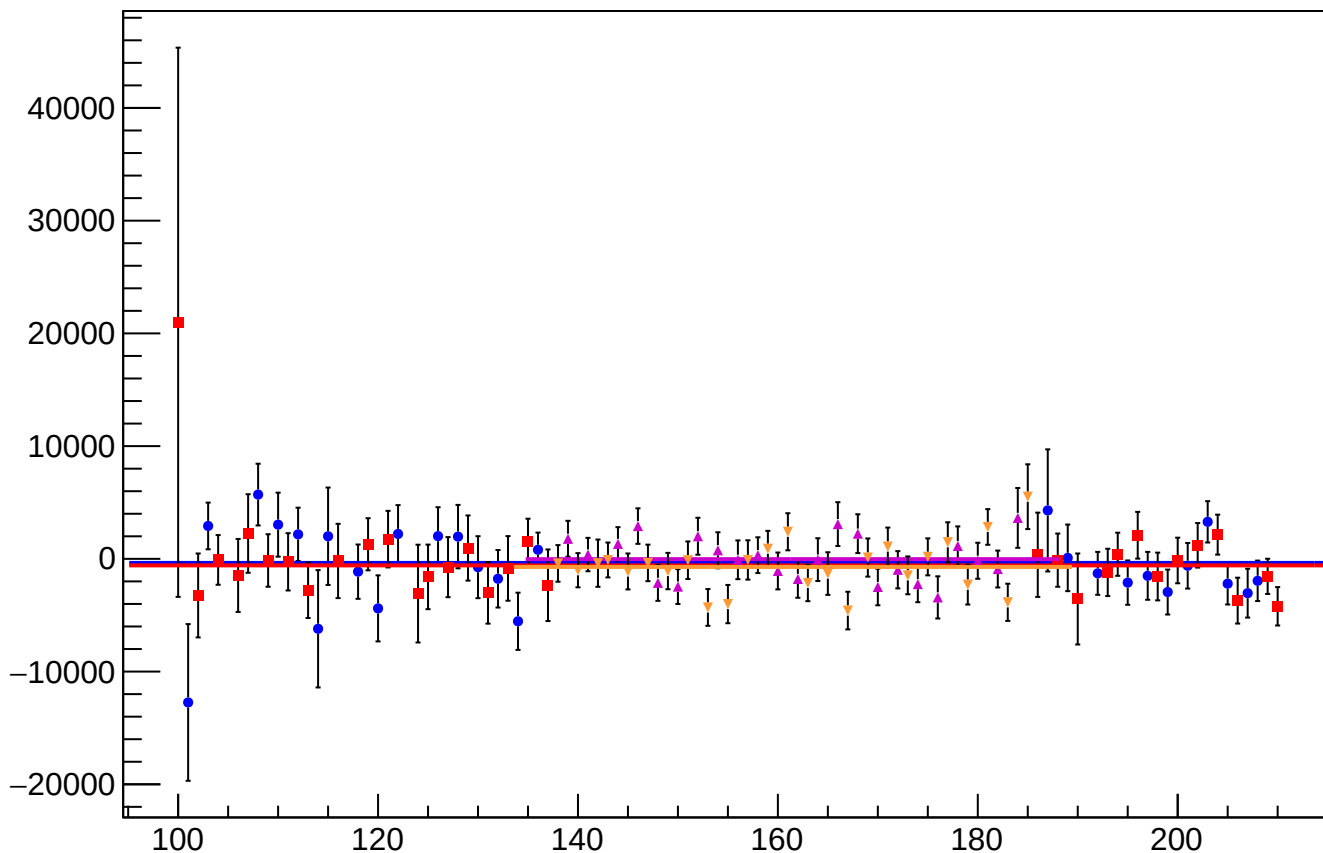
Left In: 650.638 $\pm$ 0.109 χ^2 /NDF: 922087.6/22

+ sign 711.528 $\pm$ 0.090 χ^2 /NDF: 6700029.0/51

All: 724.804 $\pm$ 0.064 χ^2 /NDF: 14127712.2/10

- sign 738.700 $\pm$ 0.092 χ^2 /NDF: 7383003.5/54

asym_usr_atr1_dd_mean vs Slug



Right In: -361.592 ± 452.312 χ^2/NDF : 35.4/26

Left Out: -718.291 ± 337.578 χ^2/NDF : 37.7/24

Right Out: -580.286 ± 425.989 χ^2/NDF : 20.7/31

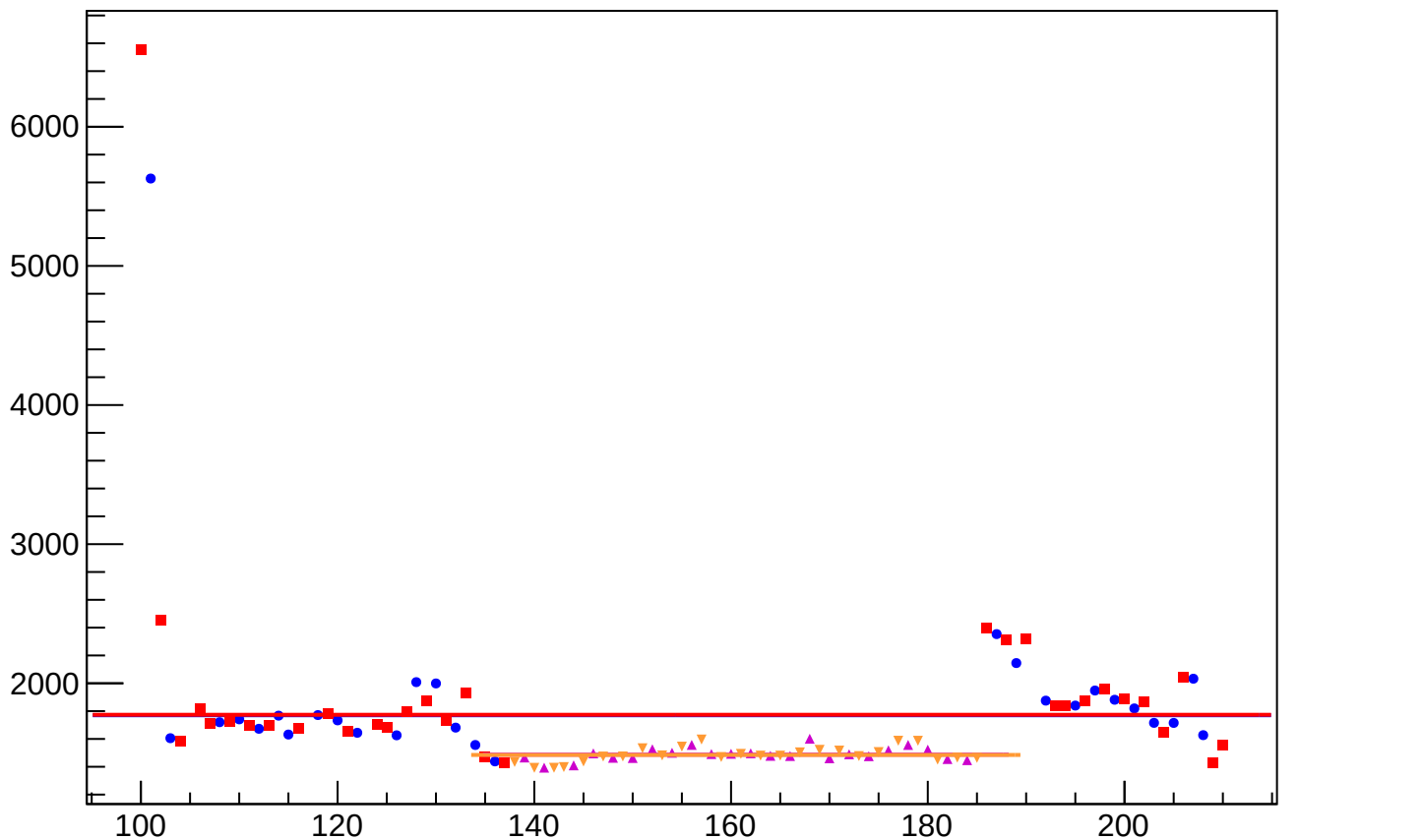
Left In: -27.514 ± 347.415 χ^2/NDF : 28.0/22

+ sign -590.683 ± 270.537 χ^2/NDF : 73.5/51

All: -418.671 ± 190.835 χ^2/NDF : 124.1/106

- sign -248.315 ± 269.231 χ^2/NDF : 49.7/54

asym_usr_atr1_dd_rms vs Slug



Right In: 1770.257 $\pm$ 0.320 χ^2 /NDF: 917069.2/26

Left Out: 1484.960 $\pm$ 0.239 χ^2 /NDF: 50905.1/24

Right Out: 1773.636 $\pm$ 0.301 χ^2 /NDF: 654931.0/31

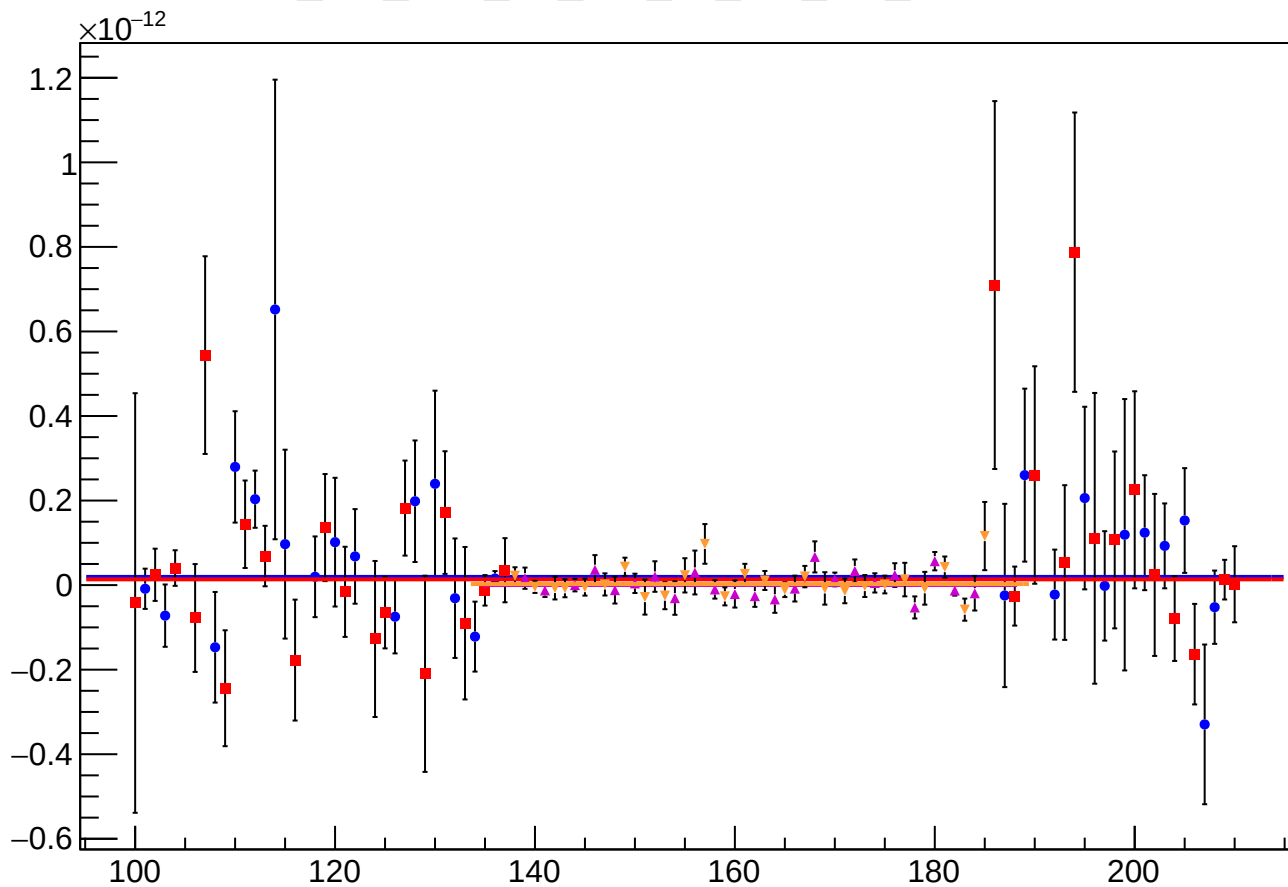
Left In: 1487.112 $\pm$ 0.246 χ^2 /NDF: 34817.2/22

+ sign 1587.025 $\pm$ 0.191 χ^2 /NDF: 1479013.4/51

All: 1594.329 $\pm$ 0.135 χ^2 /NDF: 2715049.2/10

- sign 1601.562 $\pm$ 0.190 χ^2 /NDF: 1233134.2/54

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 32.4/26

Left Out: 0.000+/-0.000 χ^2/NDF : 25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 34.9/31

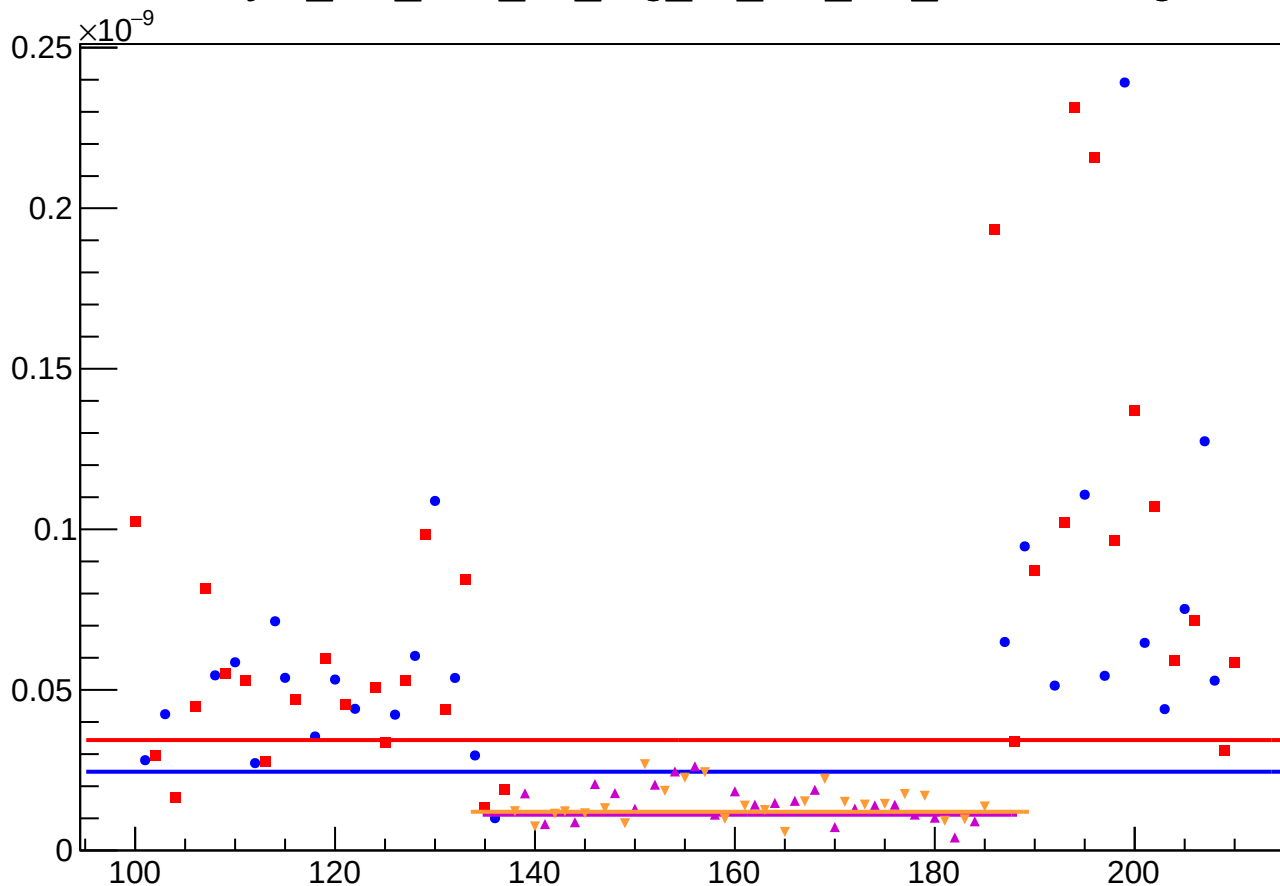
Left In: 0.000+/-0.000 χ^2/NDF : 24.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 59.2/51

All: 0.000+/-0.000 χ^2/NDF : 119.8/106

- sign 0.000+/-0.000 χ^2/NDF : 60.4/54

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 5670904.5/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1520224.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5127985.9/31

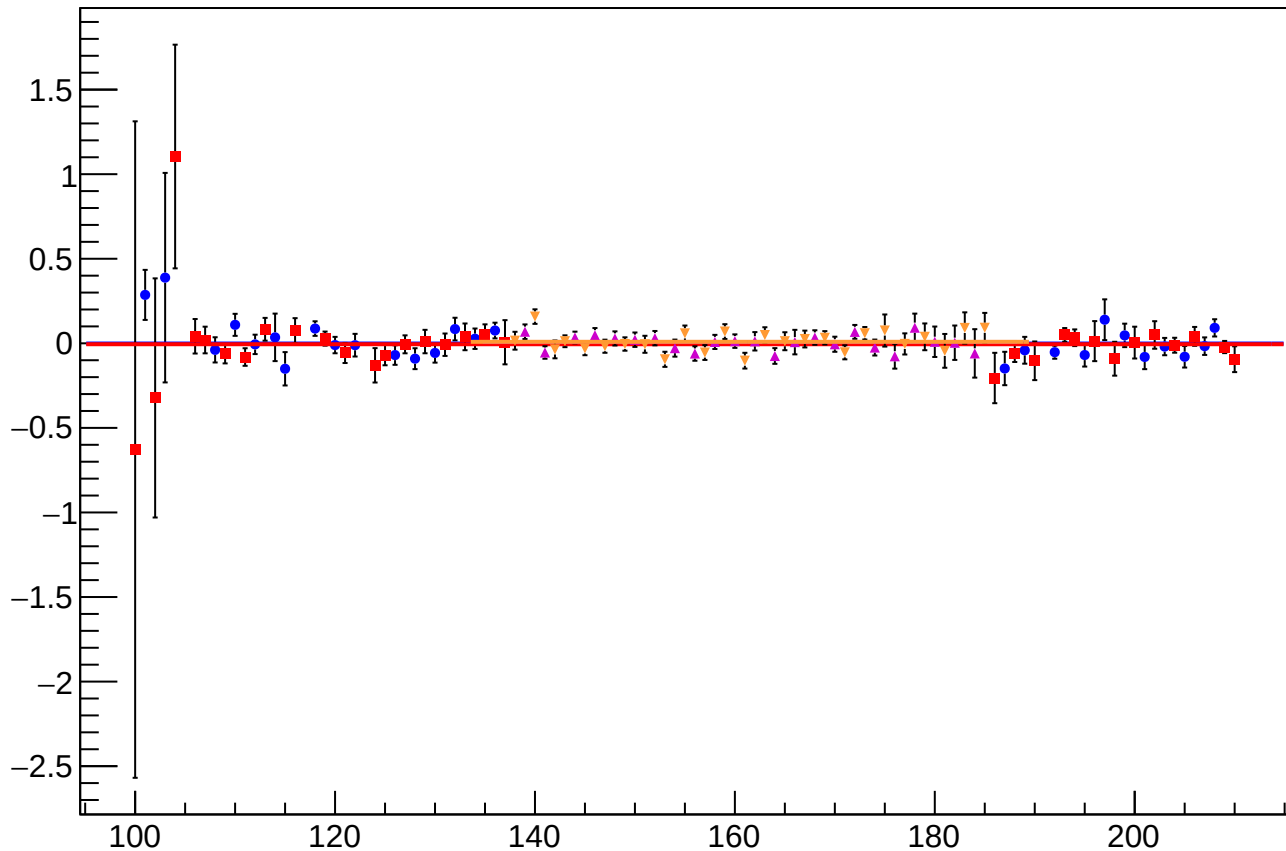
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2209676.2/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 8683595.3/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 19828669.2/106

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 11134666.5/54

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.012 $\chi^2/\text{NDF}: 36.3/26$

Left Out: 0.009 ± 0.010 $\chi^2/\text{NDF}: 38.6/24$

Right Out: -0.005 ± 0.011 $\chi^2/\text{NDF}: 24.5/31$

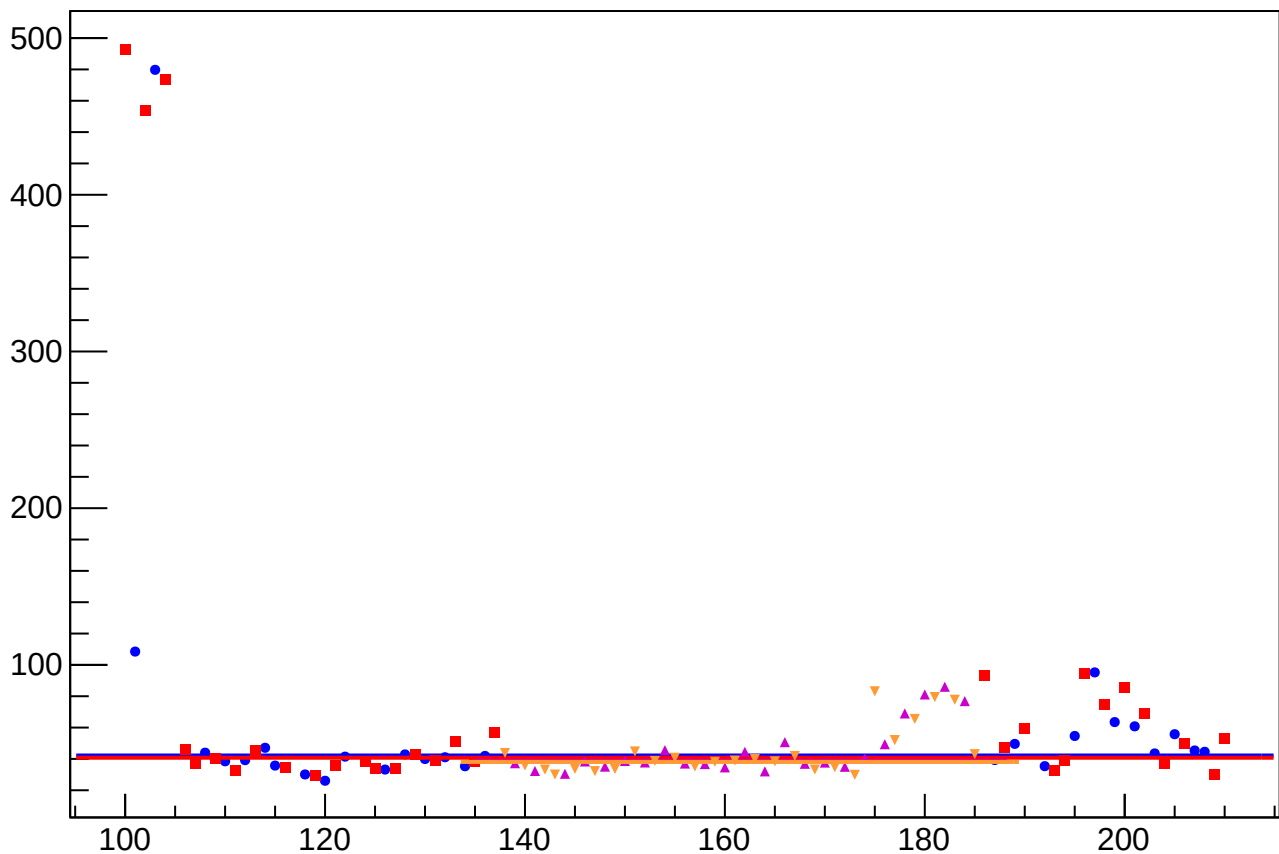
Left In: 0.008 ± 0.010 $\chi^2/\text{NDF}: 18.9/22$

+ sign 0.005 ± 0.007 $\chi^2/\text{NDF}: 75.3/51$

All: 0.004 ± 0.005 $\chi^2/\text{NDF}: 119.6/106$

- sign 0.002 ± 0.007 $\chi^2/\text{NDF}: 44.2/54$

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 42.174 $\pm$ 0.008 χ^2 /NDF: 2843238.5/26

Left Out: 38.067 $\pm$ 0.007 χ^2 /NDF: 1967115.3/24

Right Out: 40.760 $\pm$ 0.008 χ^2 /NDF: 4082296.1/31

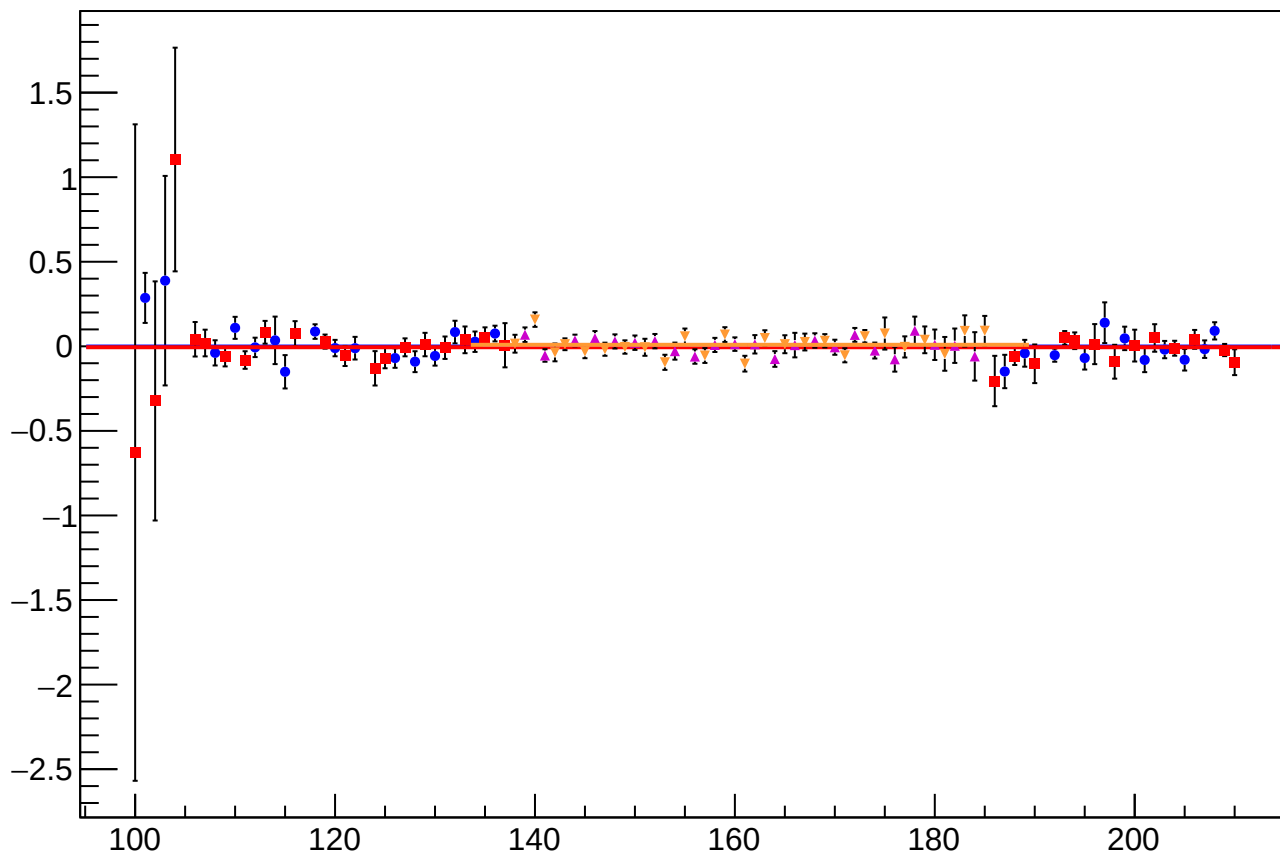
Left In: 38.630 $\pm$ 0.007 χ^2 /NDF: 1727664.7/22

+ sign 39.663 $\pm$ 0.005 χ^2 /NDF: 4953455.5/51

All: 39.603 $\pm$ 0.004 χ^2 /NDF: 10803201.7/100

- sign 39.542 $\pm$ 0.005 χ^2 /NDF: 5849487.4/54

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.012 χ^2/NDF : 36.3/26

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.005 ± 0.011 χ^2/NDF : 24.5/31

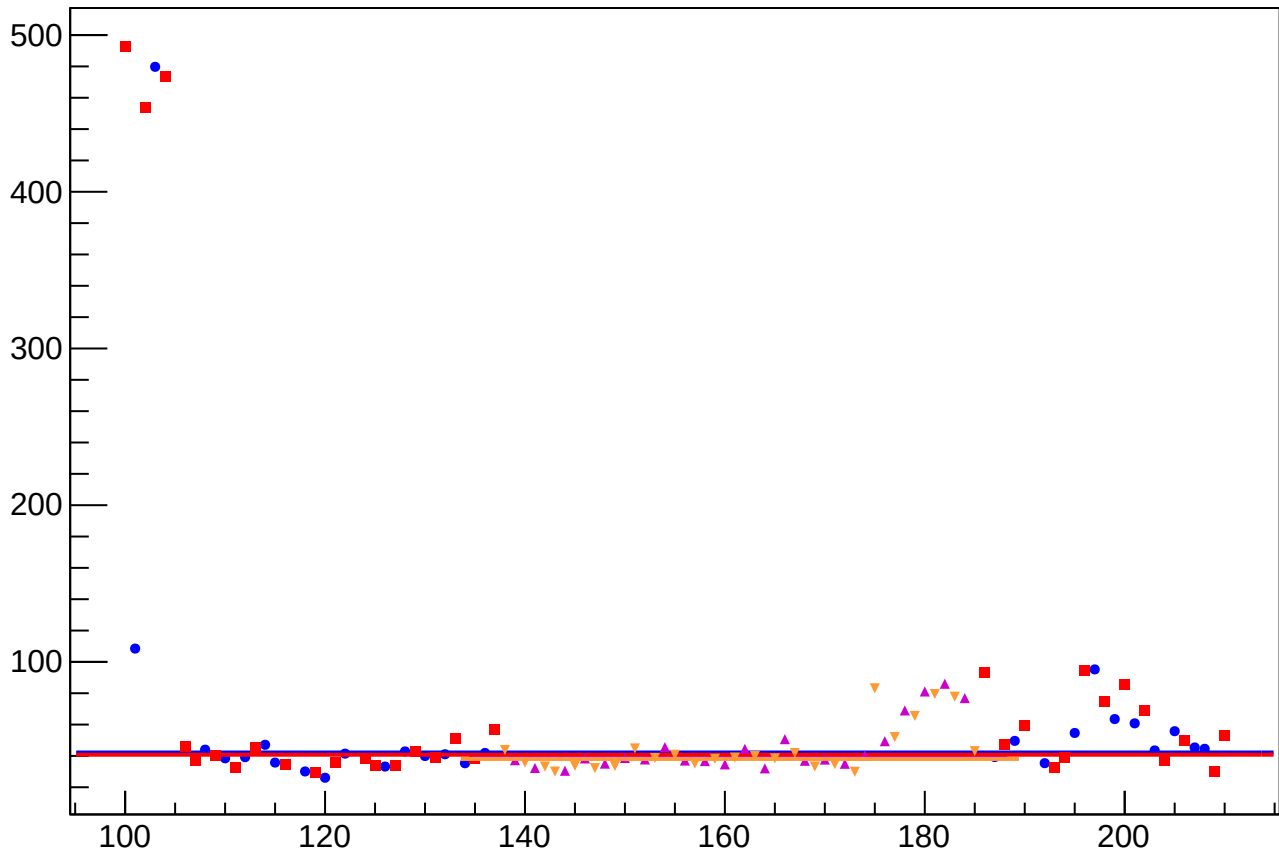
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.005 ± 0.007 χ^2/NDF : 75.3/51

All: 0.004 ± 0.005 χ^2/NDF : 119.6/106

- sign 0.002 ± 0.007 χ^2/NDF : 44.2/54

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.174 $\pm$ 0.008 χ^2 /NDF: 2843238.5/26

Left Out: 38.067 $\pm$ 0.007 χ^2 /NDF: 1967115.3/24

Right Out: 40.760 $\pm$ 0.008 χ^2 /NDF: 4082296.1/31

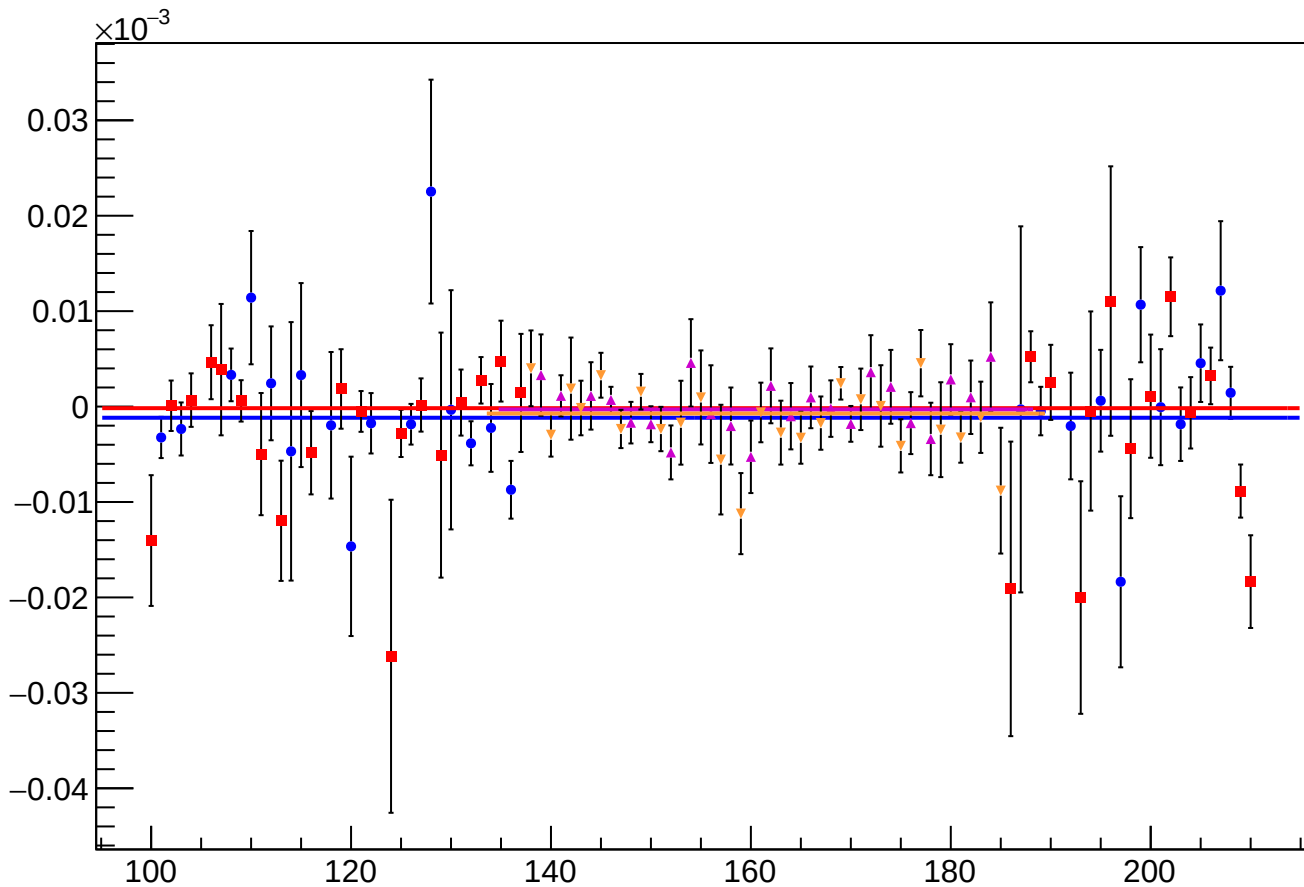
Left In: 38.630 $\pm$ 0.007 χ^2 /NDF: 1727664.7/22

+ sign 39.663 $\pm$ 0.005 χ^2 /NDF: 4953455.5/51

All: 39.603 $\pm$ 0.004 χ^2 /NDF: 10803201.7/100

- sign 39.542 $\pm$ 0.005 χ^2 /NDF: 5849487.4/54

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2/NDF : 35.6/26

Left Out: -0.000 $\pm$ 0.000 χ^2/NDF : 26.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2/NDF : 61.2/31

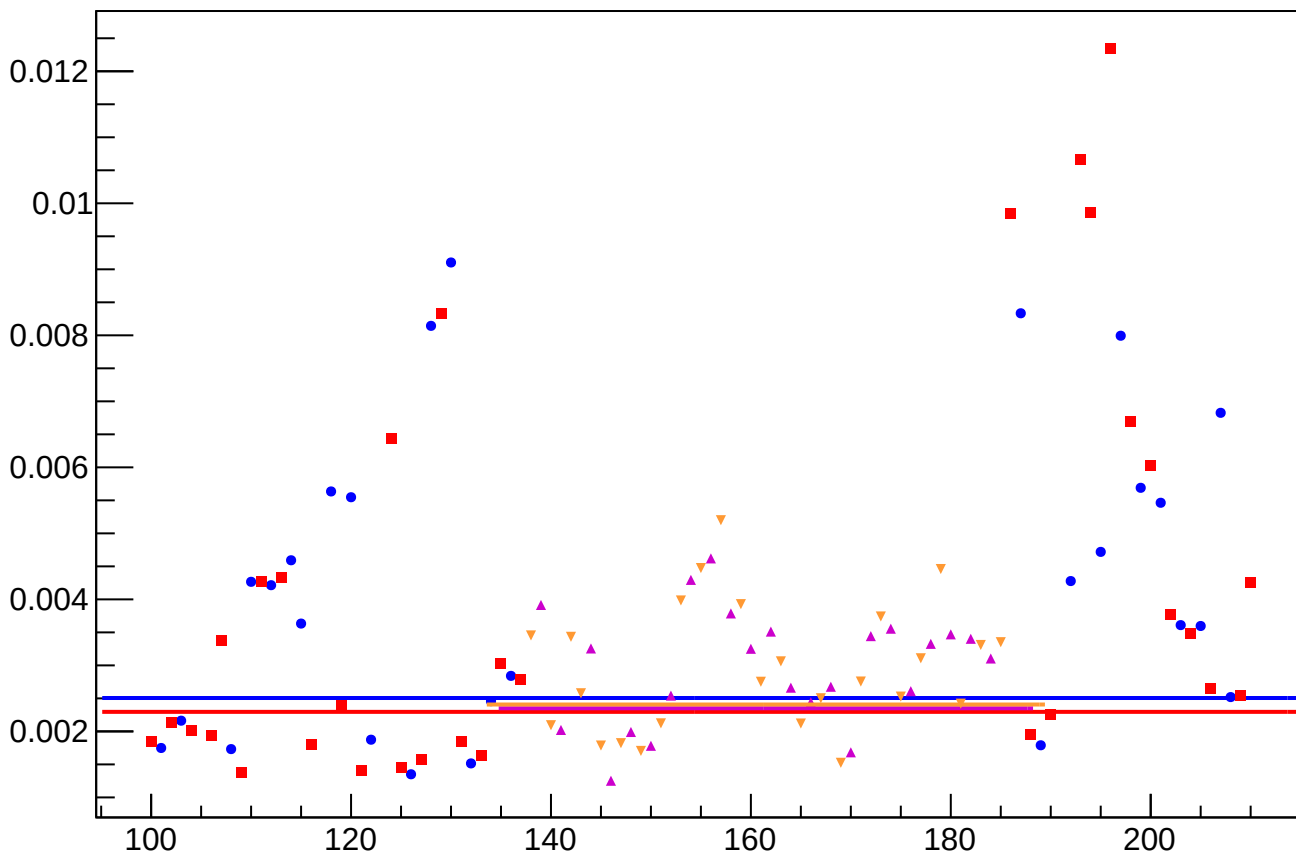
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 13.8/22

+ sign -0.000 $\pm$ 0.000 χ^2/NDF : 62.4/51

All: -0.000 $\pm$ 0.000 χ^2/NDF : 138.4/106

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 75.0/54

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 7098561.9/26

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3682960.0/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 8172756.0/31

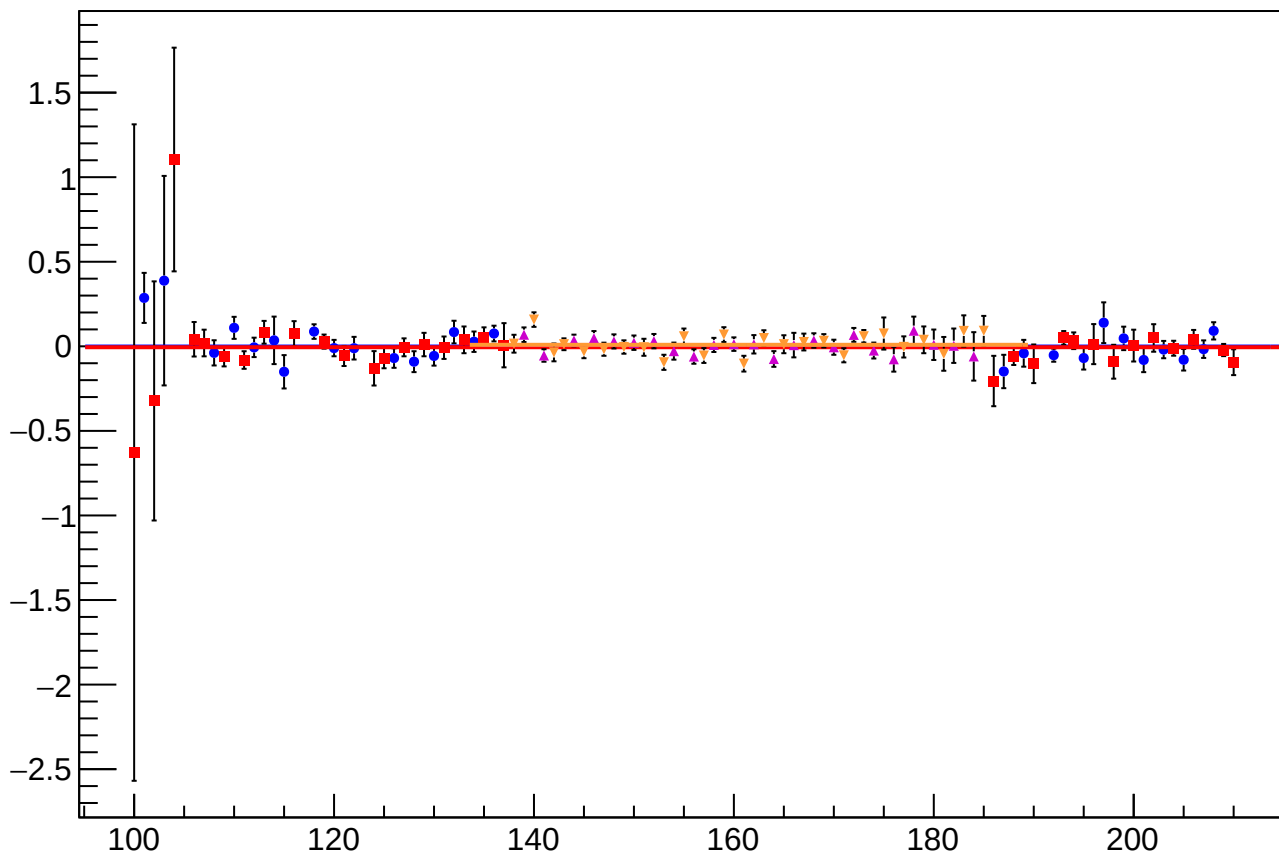
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:4438139.5/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 10803369.9/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 23491499.9/106

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 12618414.0/54

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.012 χ^2/NDF : 36.3/26

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.005 ± 0.011 χ^2/NDF : 24.5/31

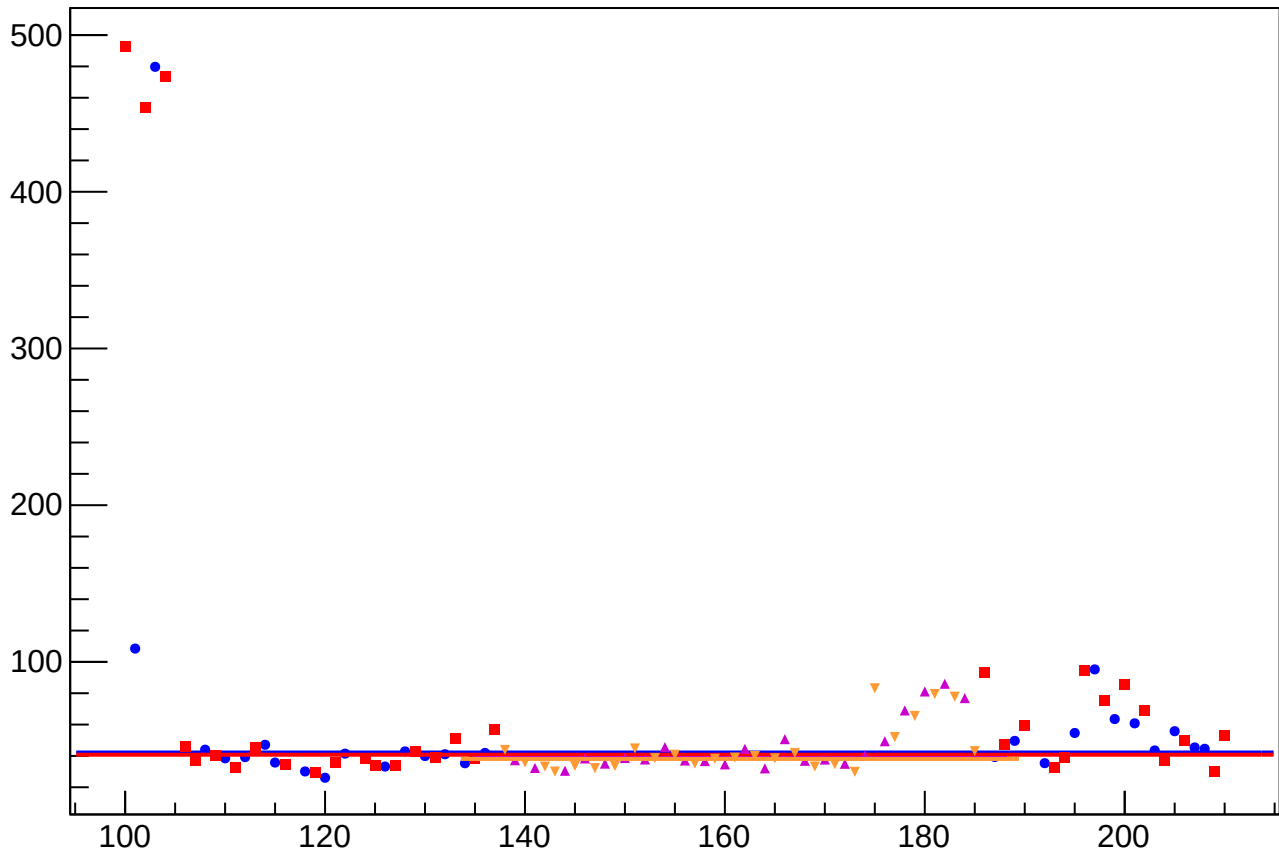
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.005 ± 0.007 χ^2/NDF : 75.3/51

All: 0.004 ± 0.005 χ^2/NDF : 119.6/106

- sign 0.002 ± 0.007 χ^2/NDF : 44.2/54

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.174 $\pm$ 0.008 χ^2 /NDF: 2843428.6/26

Left Out: 38.067 $\pm$ 0.007 χ^2 /NDF: 1967110.9/24

Right Out: 40.757 $\pm$ 0.008 χ^2 /NDF: 4082797.9/31

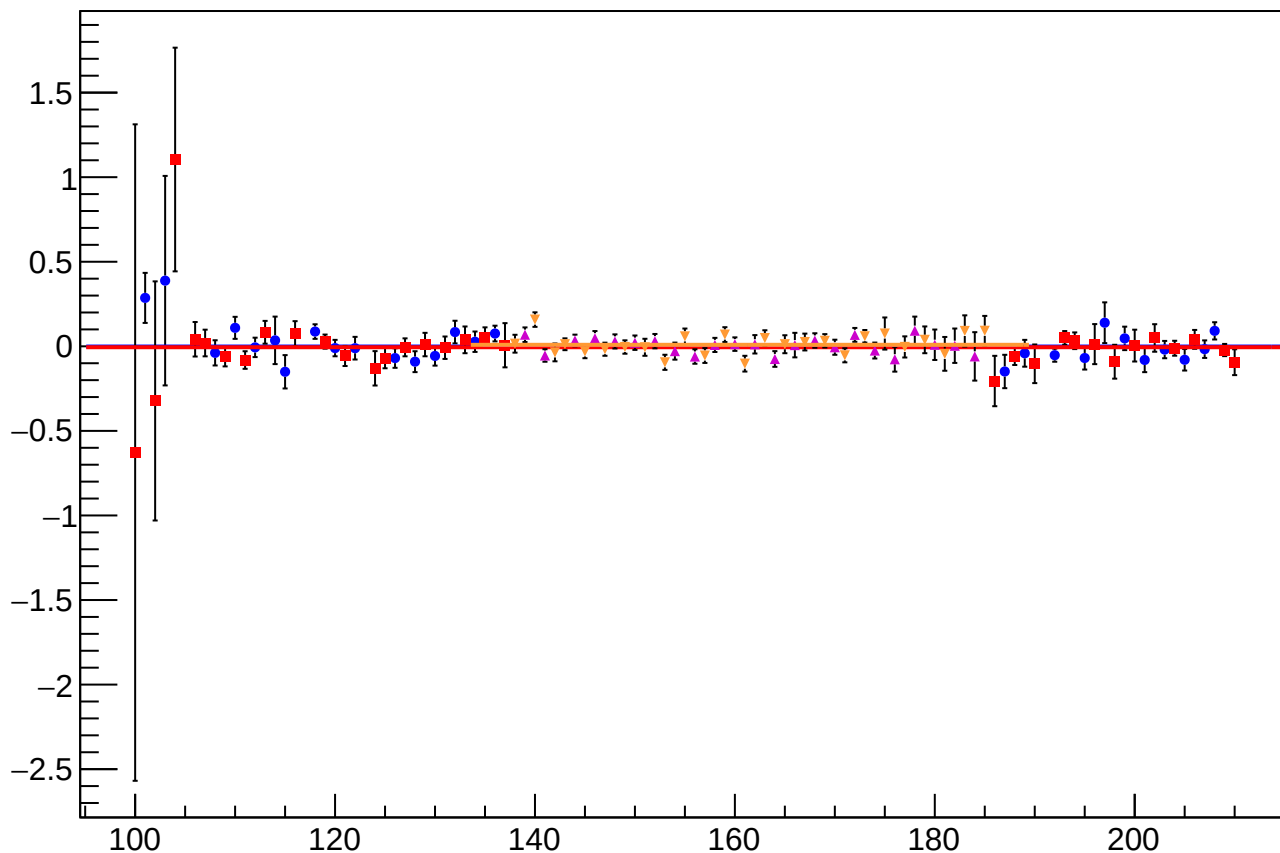
Left In: 38.630 $\pm$ 0.007 χ^2 /NDF: 1727699.0/22

+ sign 39.663 $\pm$ 0.005 χ^2 /NDF: 4953616.1/51

All: 39.602 $\pm$ 0.004 χ^2 /NDF: 10803810.2/100

- sign 39.541 $\pm$ 0.005 χ^2 /NDF: 5849930.7/54

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.012 χ^2/NDF : 36.3/26

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.005 ± 0.011 χ^2/NDF : 24.5/31

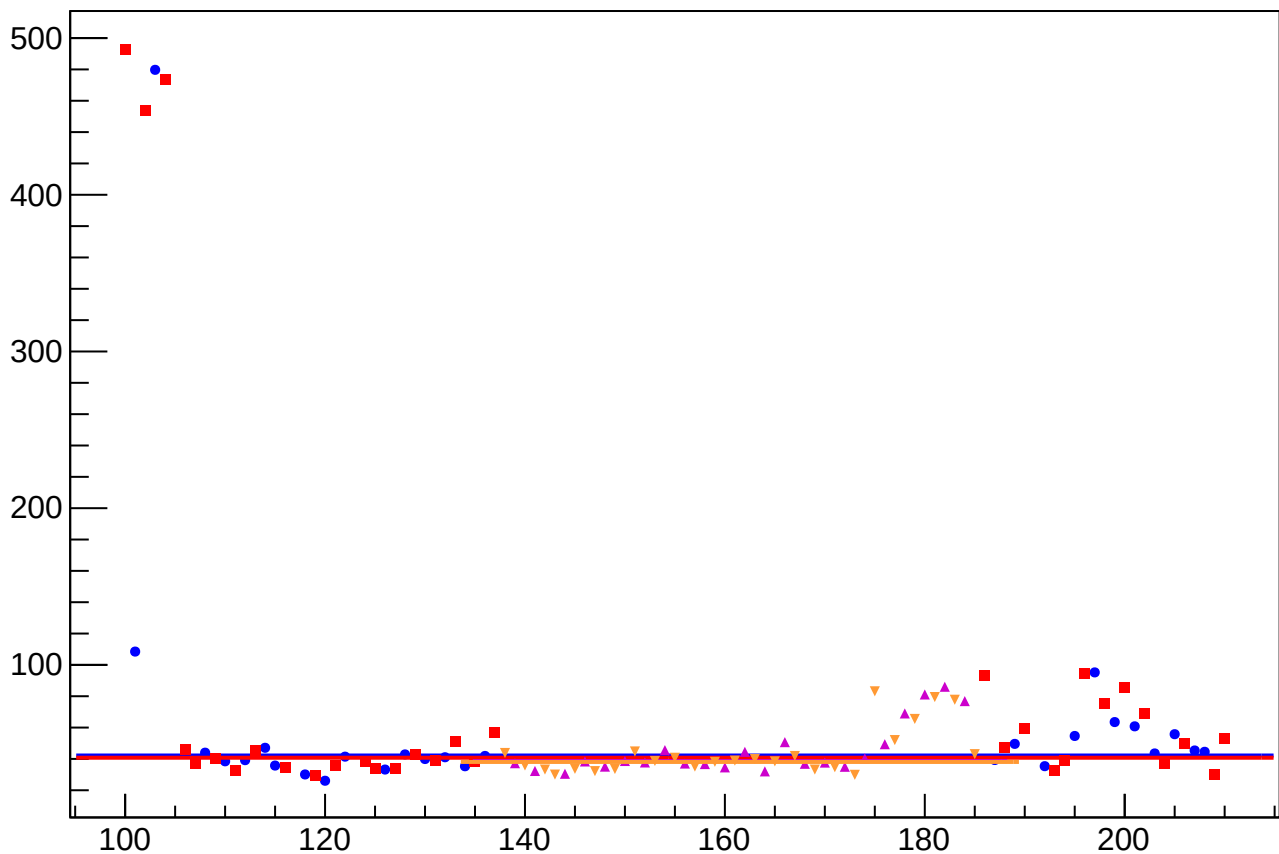
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.005 ± 0.007 χ^2/NDF : 75.3/51

All: 0.004 ± 0.005 χ^2/NDF : 119.6/106

- sign 0.002 ± 0.007 χ^2/NDF : 44.2/54

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.174 $\pm$ 0.008 χ^2 /NDF: 2843428.6/26

Left Out: 38.067 $\pm$ 0.007 χ^2 /NDF: 1967110.9/24

Right Out: 40.757 $\pm$ 0.008 χ^2 /NDF: 4082797.9/31

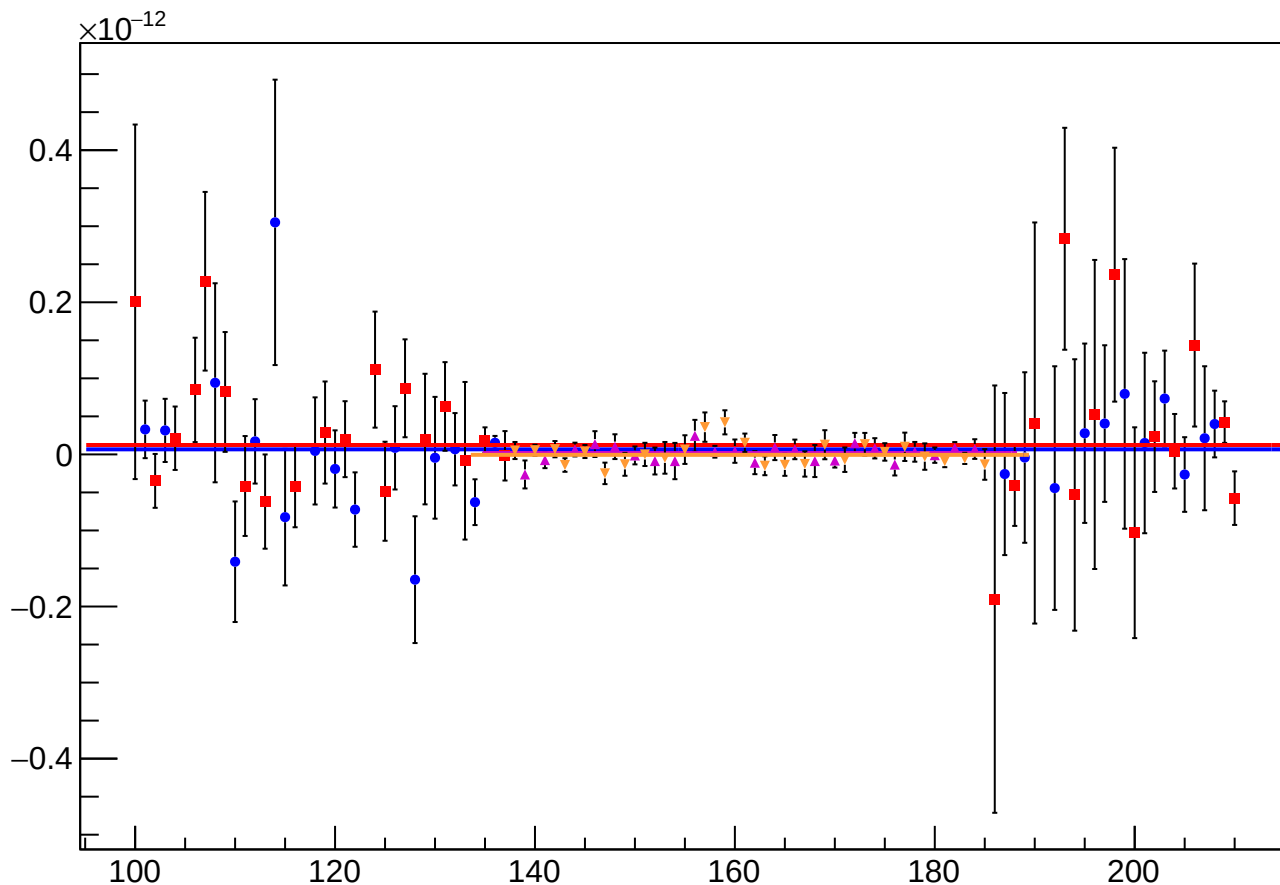
Left In: 38.630 $\pm$ 0.007 χ^2 /NDF: 1727699.0/22

+ sign 39.663 $\pm$ 0.005 χ^2 /NDF: 4953616.1/51

All: 39.602 $\pm$ 0.004 χ^2 /NDF: 10803810.2/100

- sign 39.541 $\pm$ 0.005 χ^2 /NDF: 5849930.7/54

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.4/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:26.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.4/31

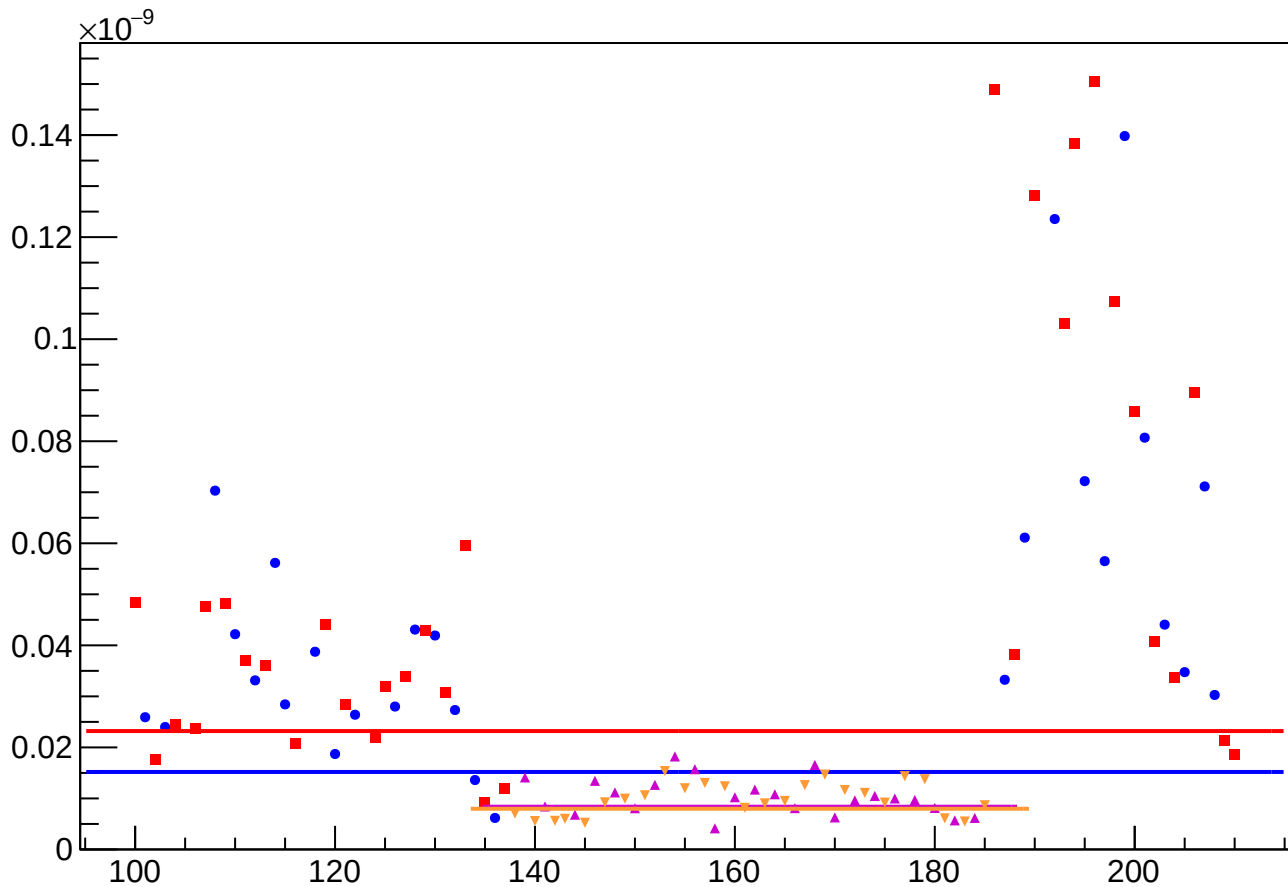
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:11.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.2/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 96.0/106

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 43.3/54

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9591763.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2831909.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 7880047.7/31

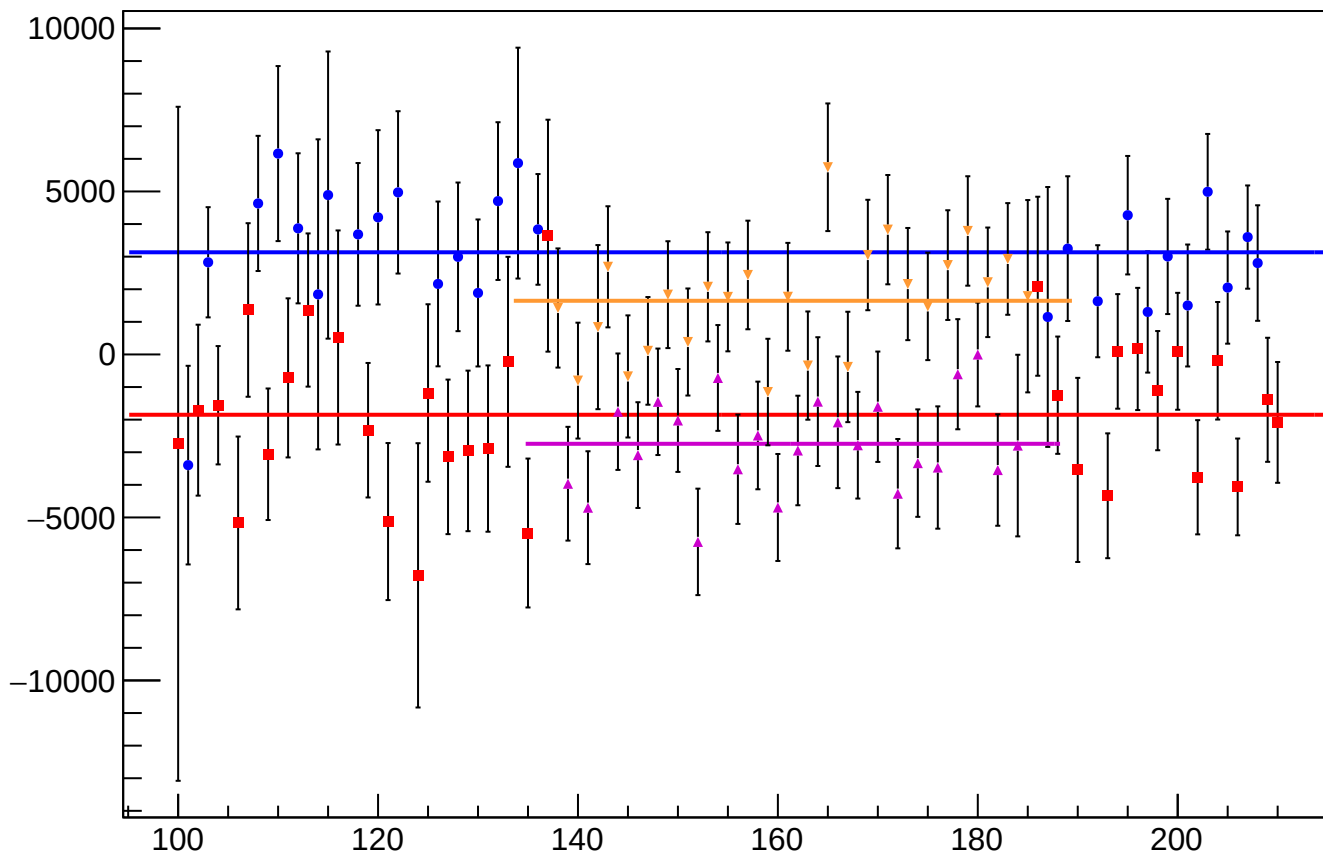
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2786396.2/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 14224453.4/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 30031341.8/106

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 15694644.1/54

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3133.724+/-410.261 χ^2/NDF : 13.9/26

Left Out: 1646.402+/-349.758 χ^2/NDF : 21.0/24

Right Out: -1850.033+/-388.981 χ^2/NDF : 27.6/31

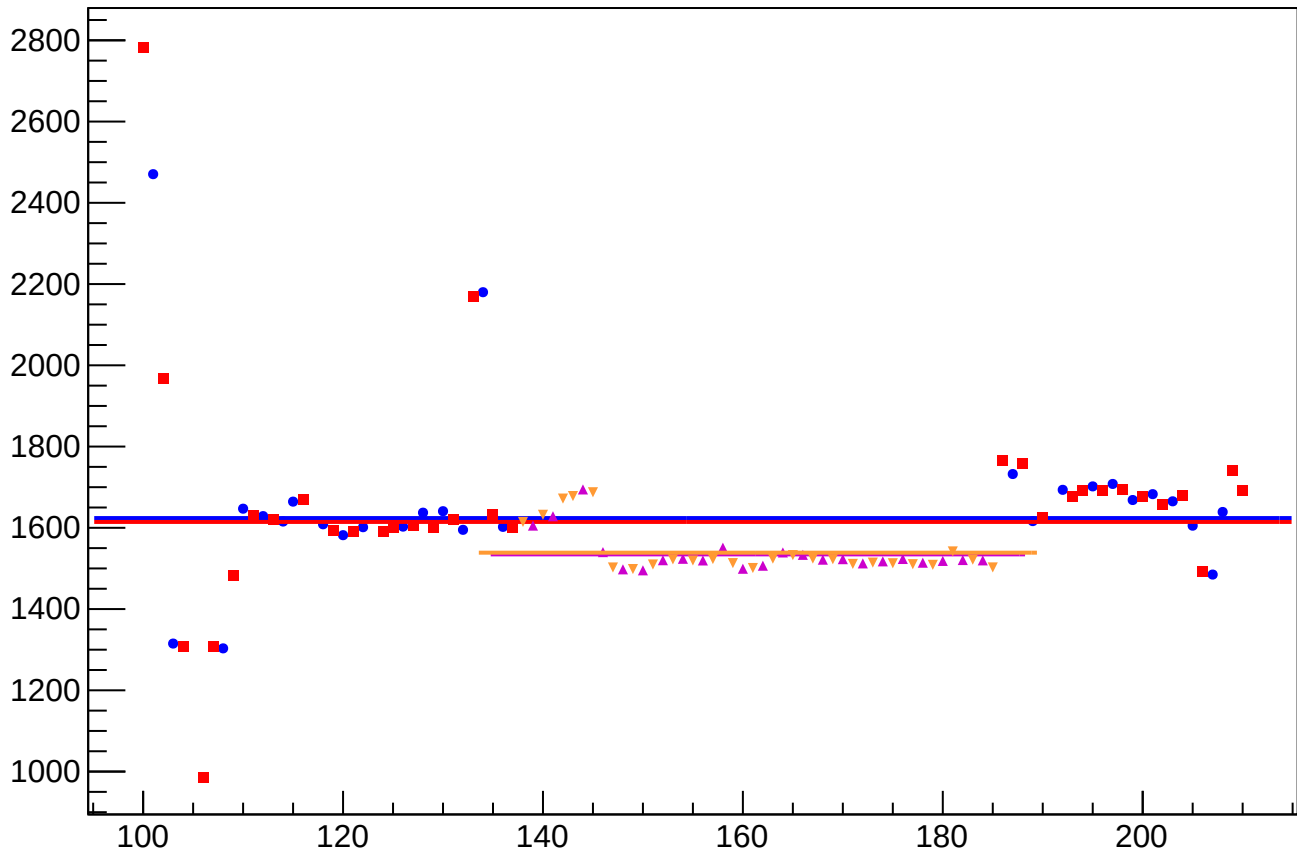
Left In: -2740.924+/-358.458 χ^2/NDF : 16.4/22

+ sign 2272.407+/-266.163 χ^2/NDF : 42.6/51

All: -51.973+/-187.293 χ^2/NDF : 240.5/106

- sign -2331.799+/-263.599 χ^2/NDF : 46.9/54

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1623.987 $\pm$ 0.290 χ^2 /NDF: 353033.7/26

Left Out: 1538.810 $\pm$ 0.247 χ^2 /NDF: 47056.2/24

Right Out: 1614.481 $\pm$ 0.273 χ^2 /NDF: 469296.3/31

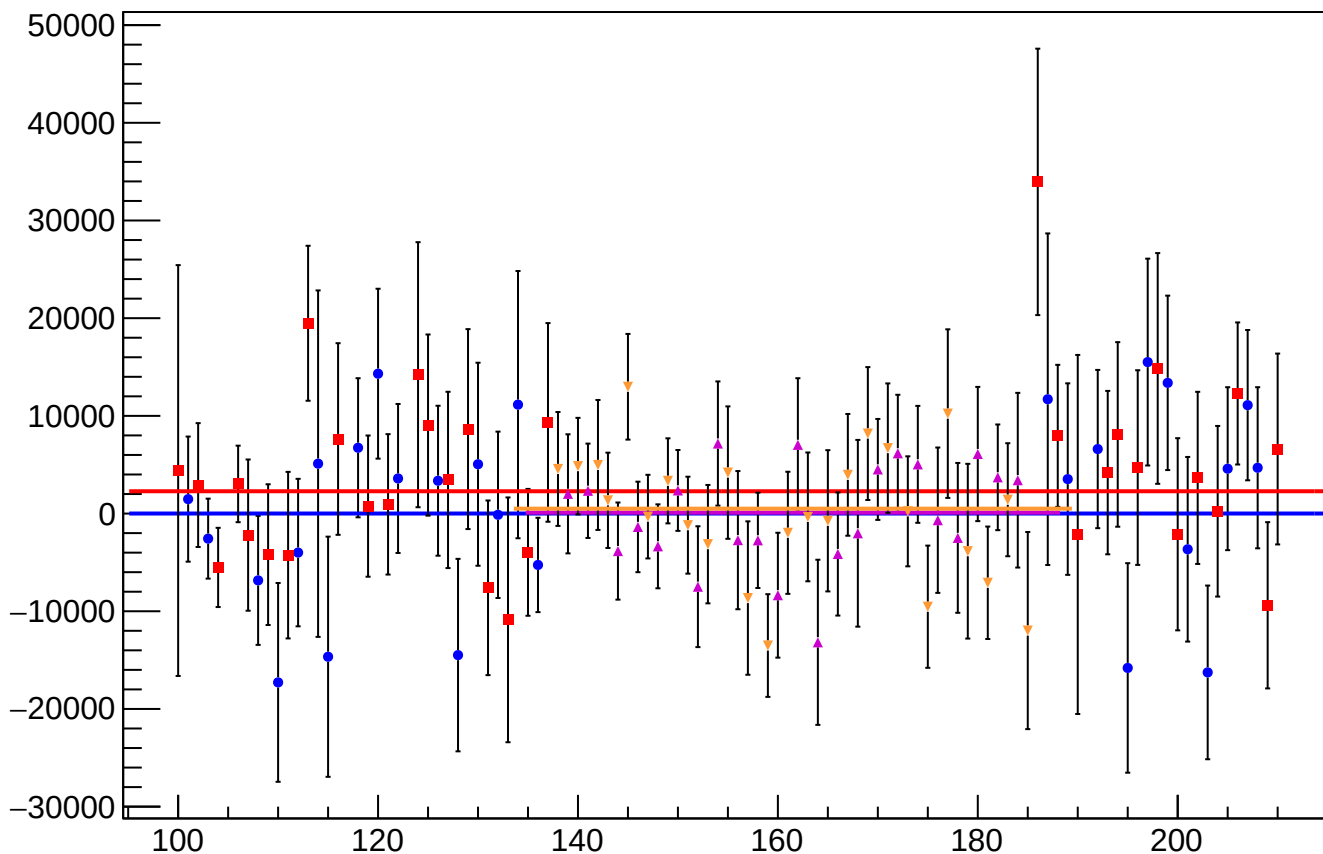
Left In: 1534.615 $\pm$ 0.253 χ^2 /NDF: 31120.6/22

+ sign 1574.660 $\pm$ 0.188 χ^2 /NDF: 450014.1/51

All: 1573.104 $\pm$ 0.132 χ^2 /NDF: 996528.1/100

- sign 1571.587 $\pm$ 0.186 χ^2 /NDF: 546378.9/54

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: 5.016+/-1539.649 χ^2/NDF : 28.5/26

Left Out: 503.846+/-1187.304 χ^2/NDF : 26.8/24

Right Out: 2284.398+/-1402.451 χ^2/NDF : 27.9/31

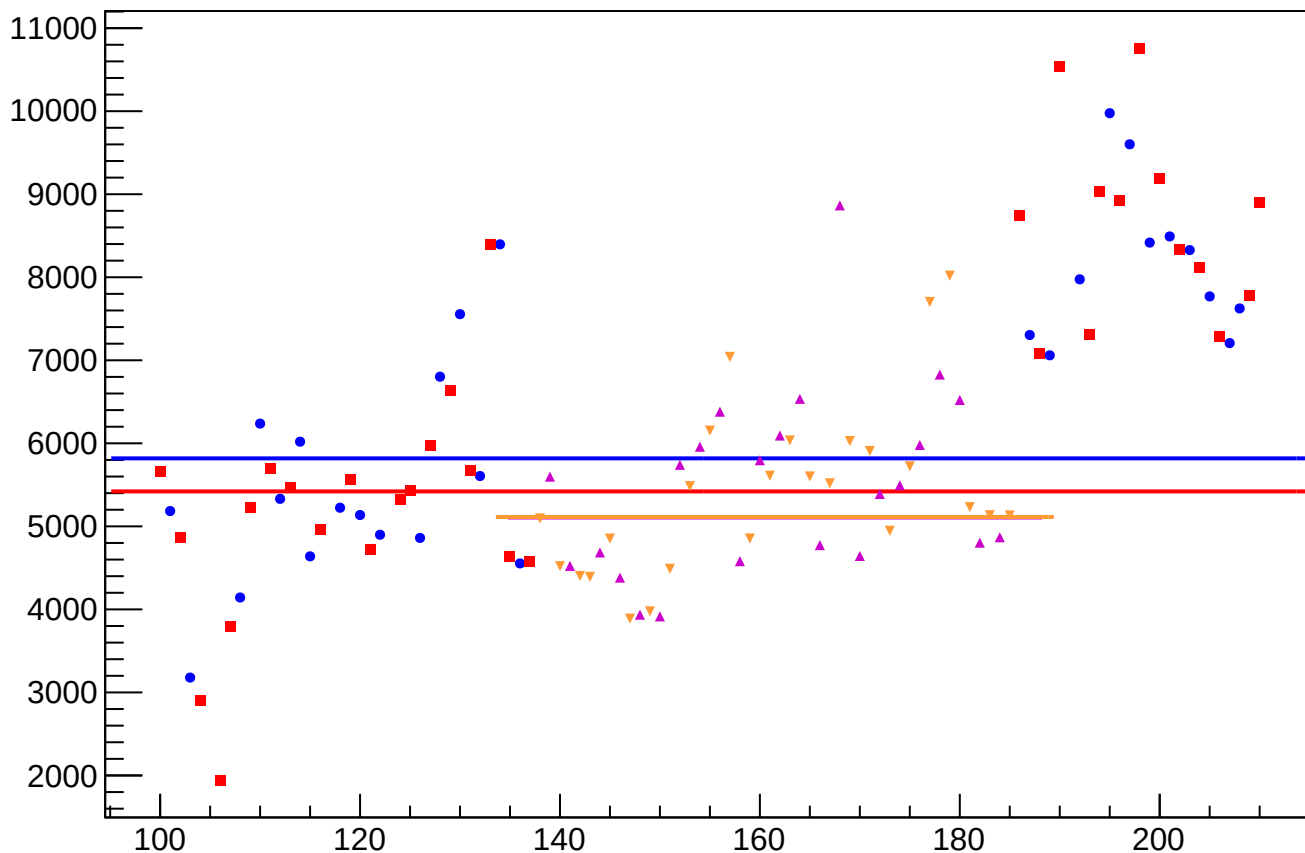
Left In: 97.910+/-1217.585 χ^2/NDF : 14.9/22

+ sign 317.826+/-940.212 χ^2/NDF : 55.4/51

All: 685.779+/-657.358 χ^2/NDF : 99.9/106

- sign 1037.642+/-919.425 χ^2/NDF : 44.2/54

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5818.908+/-1.089 χ^2/NDF : 2886902.1/26

Left Out: 5112.954+/-0.840 χ^2/NDF : 1159010.4/24

Right Out: 5420.945+/-0.992 χ^2/NDF : 5346320.7/31

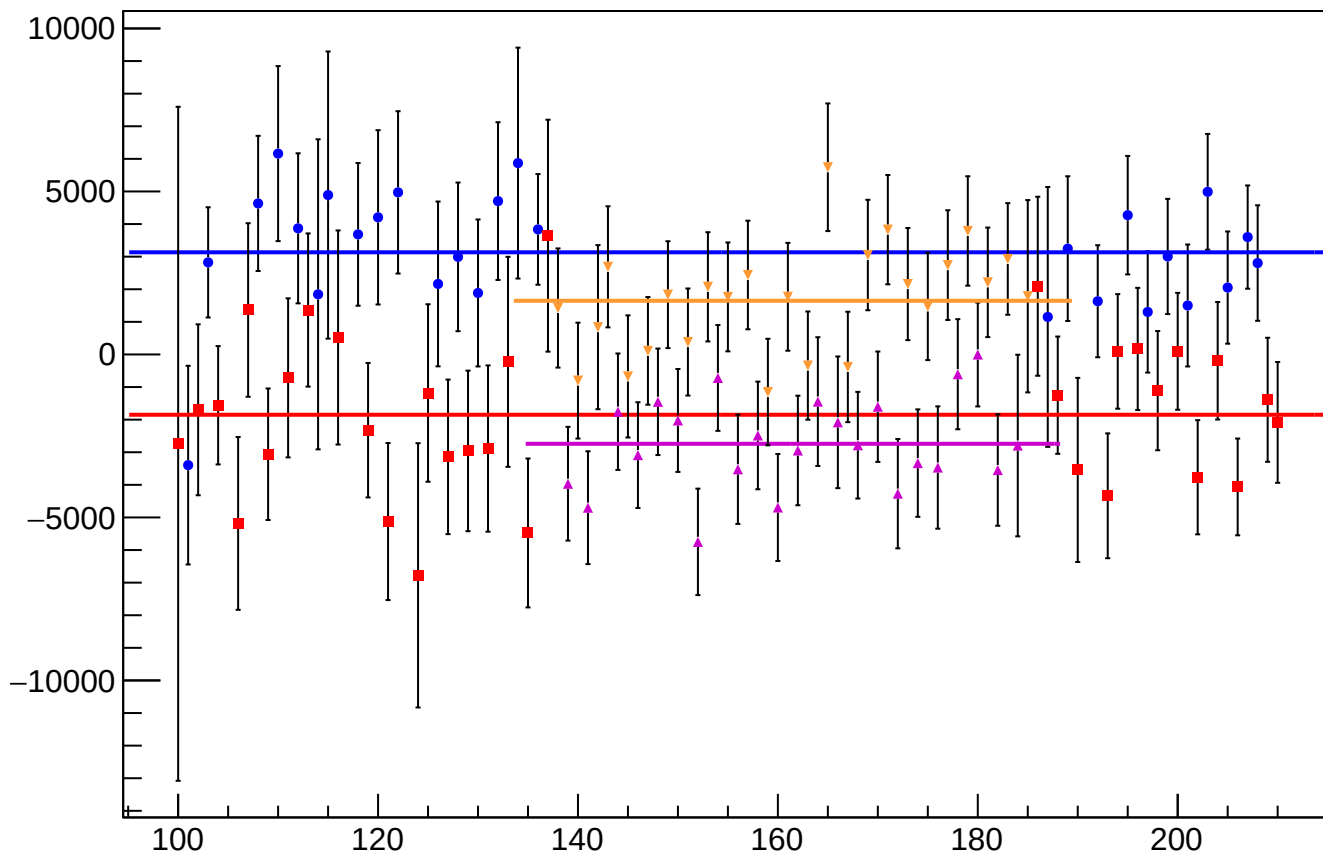
Left In: 5106.386+/-0.861 χ^2/NDF : 1251622.3/22

+ sign 5376.213+/-0.665 χ^2/NDF : 4309586.4/51

All: 5307.392+/-0.465 χ^2/NDF : 10985863.5/104

- sign 5241.581+/-0.650 χ^2/NDF : 6655314.1/54

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3133.612 $\pm$ 410.261 χ^2 /NDF: 13.9/26

Left Out: 1646.294 $\pm$ 349.758 χ^2 /NDF:21.0/24

Right Out: -1850.048 $\pm$ 388.982 χ^2 /NDF: 27.6/31

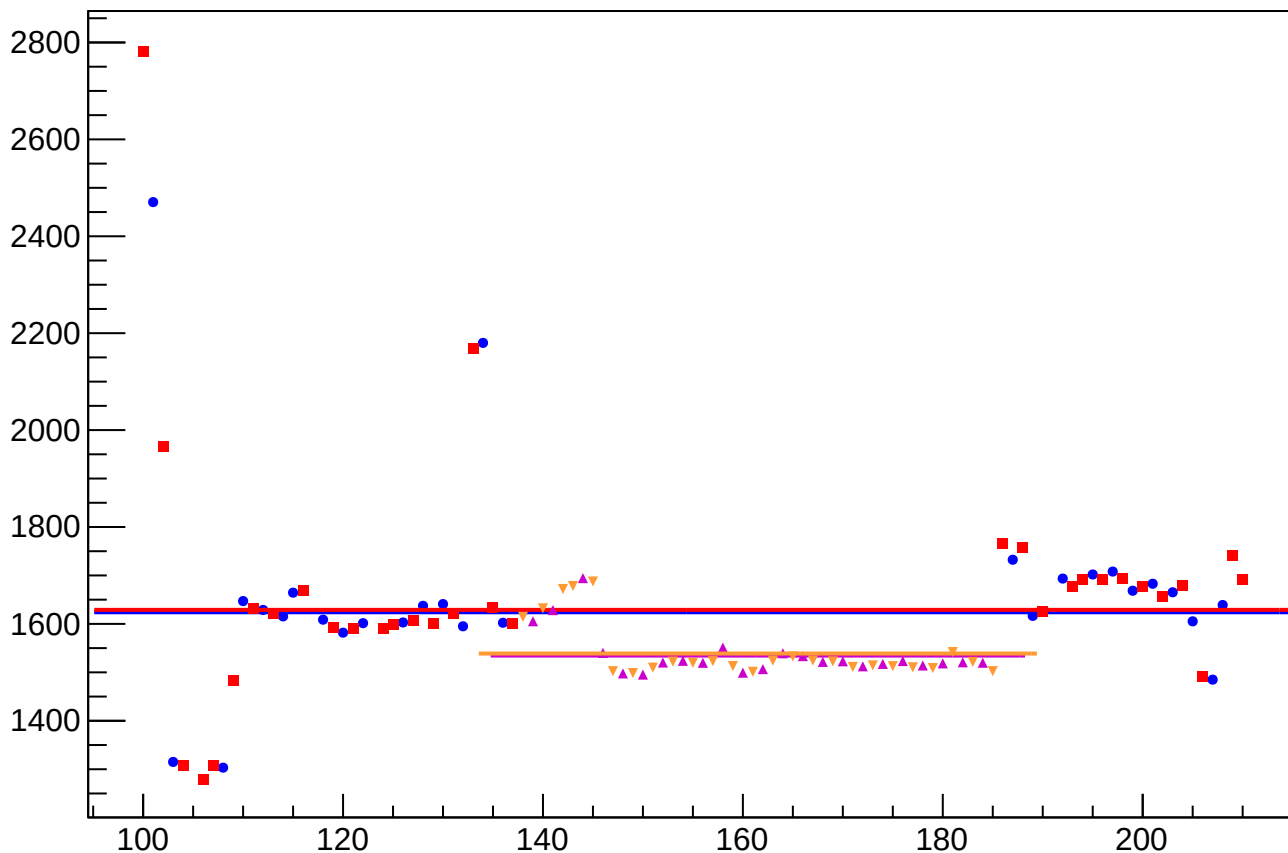
Left In: -2740.826 $\pm$ 358.458 χ^2 /NDF:16.4/22

+ sign 2272.298 $\pm$ 266.163 χ^2 /NDF: 42.6/51

All: -52.002 $\pm$ 187.293 χ^2 /NDF: 240.5/106

- sign -2331.754 $\pm$ 263.600 χ^2 /NDF: 46.9/54

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1623.987 $\pm$ 0.290 χ^2 /NDF: 353032.8/26

Left Out: 1538.810 $\pm$ 0.247 χ^2 /NDF:47056.2/24

Right Out: 1628.966 $\pm$ 0.275 χ^2 /NDF: 313329.7/31

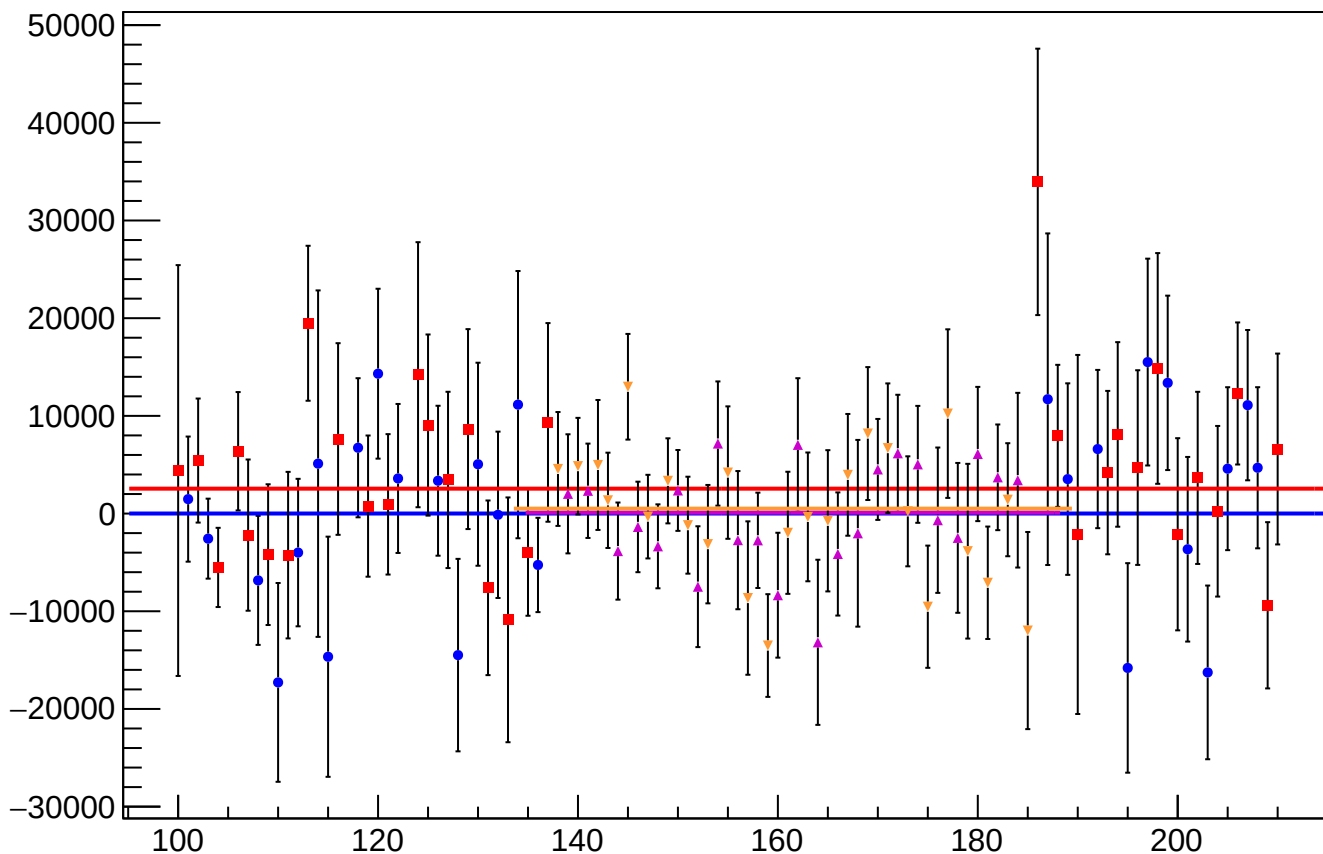
Left In: 1534.615 $\pm$ 0.253 χ^2 /NDF:31120.6/22

+ sign 1574.660 $\pm$ 0.188 χ^2 /NDF: 450013.3/51

All: 1576.360 $\pm$ 0.132 χ^2 /NDF: 858376.6/106

- sign 1578.025 $\pm$ 0.186 χ^2 /NDF: 408201.8/54

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: 4.951 ± 1539.671 χ^2/NDF : 28.5/26

Left Out: 503.849 ± 1187.302 χ^2/NDF : 26.8/24

Right Out: 2550.059 ± 1458.011 χ^2/NDF : 28.6/31

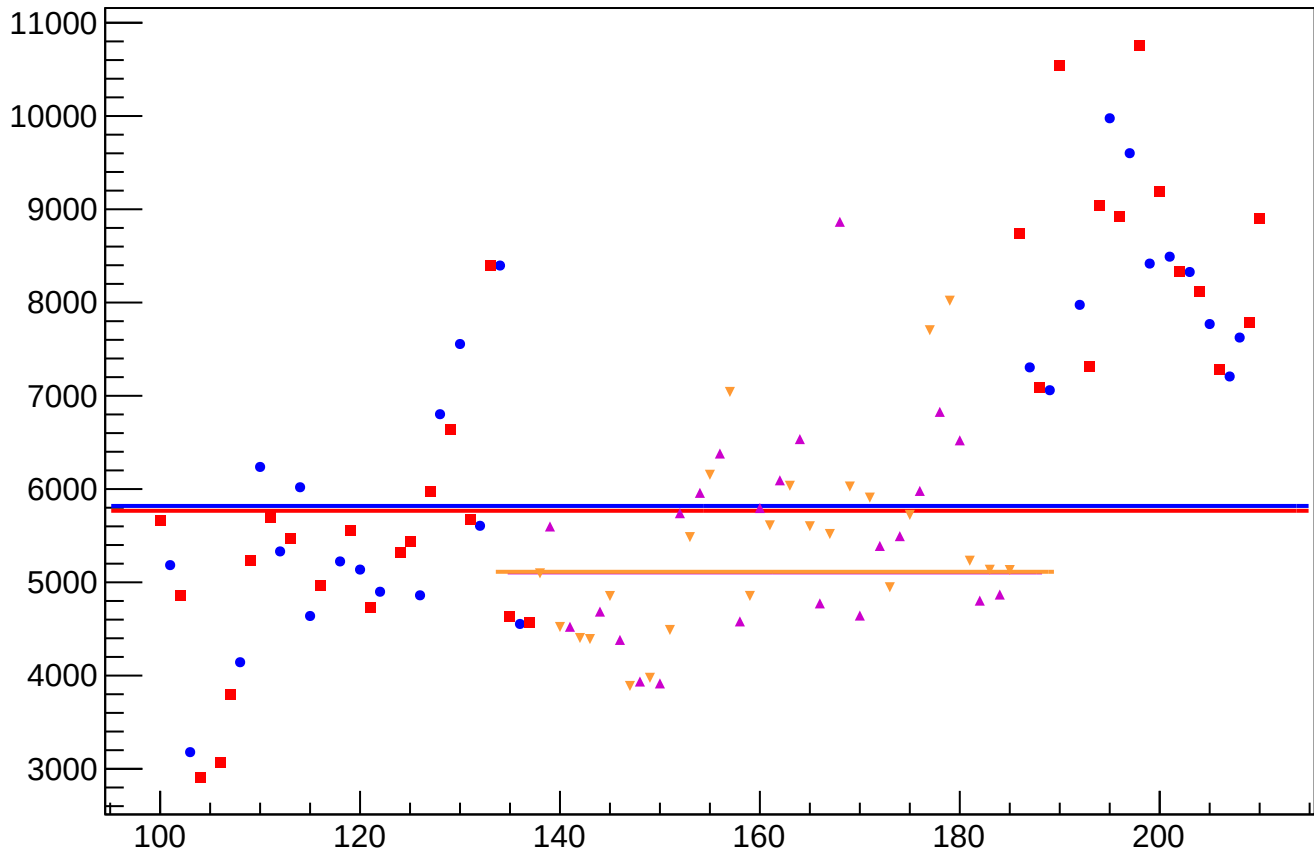
Left In: 97.930 ± 1217.585 χ^2/NDF : 14.9/22

+ sign 317.807 ± 940.216 χ^2/NDF : 55.4/51

All: 713.985 ± 662.825 χ^2/NDF : 100.8/106

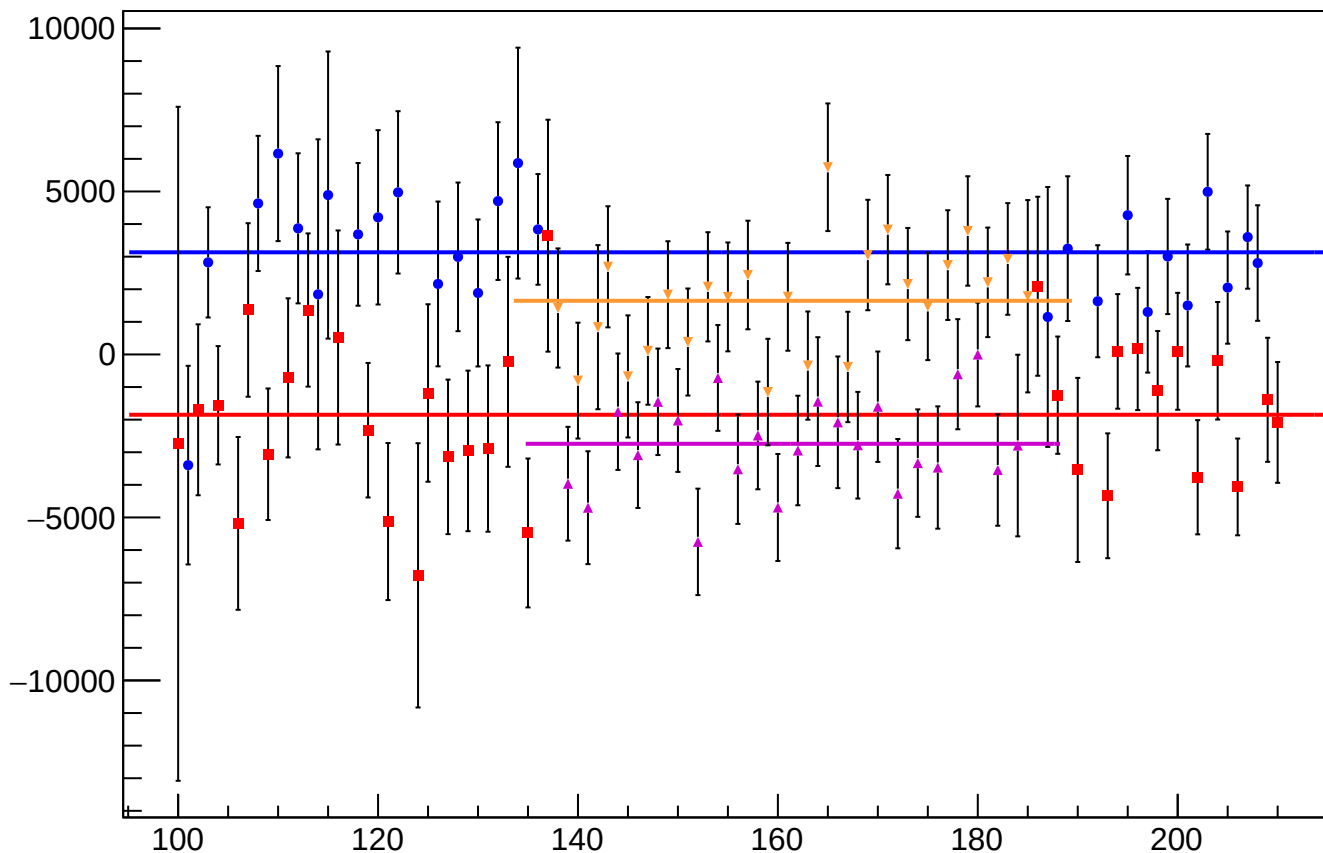
- sign 1105.413 ± 934.562 χ^2/NDF : 45.1/54

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5819.031+/-1.089	χ^2/NDF : 2886522.8/26	+ sign 5376.250+/-0.665	χ^2/NDF : 4309312.8/51
Left Out: 5112.947+/-0.840	χ^2/NDF : 1159023.2/24		
Right Out: 5767.147+/-1.031	χ^2/NDF : 3954746.5/31	All: 5377.063+/-0.469	χ^2/NDF : 9757686.9/10
Left In: 5106.384+/-0.861	χ^2/NDF : 1251622.9/22	- sign 5377.866+/-0.661	χ^2/NDF : 5448371.1/54

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3133.612 $\pm$ 410.261 χ^2 /NDF: 13.9/26

Left Out: 1646.294 $\pm$ 349.758 χ^2 /NDF: 21.0/24

Right Out: -1850.048 $\pm$ 388.982 χ^2 /NDF: 27.6/31

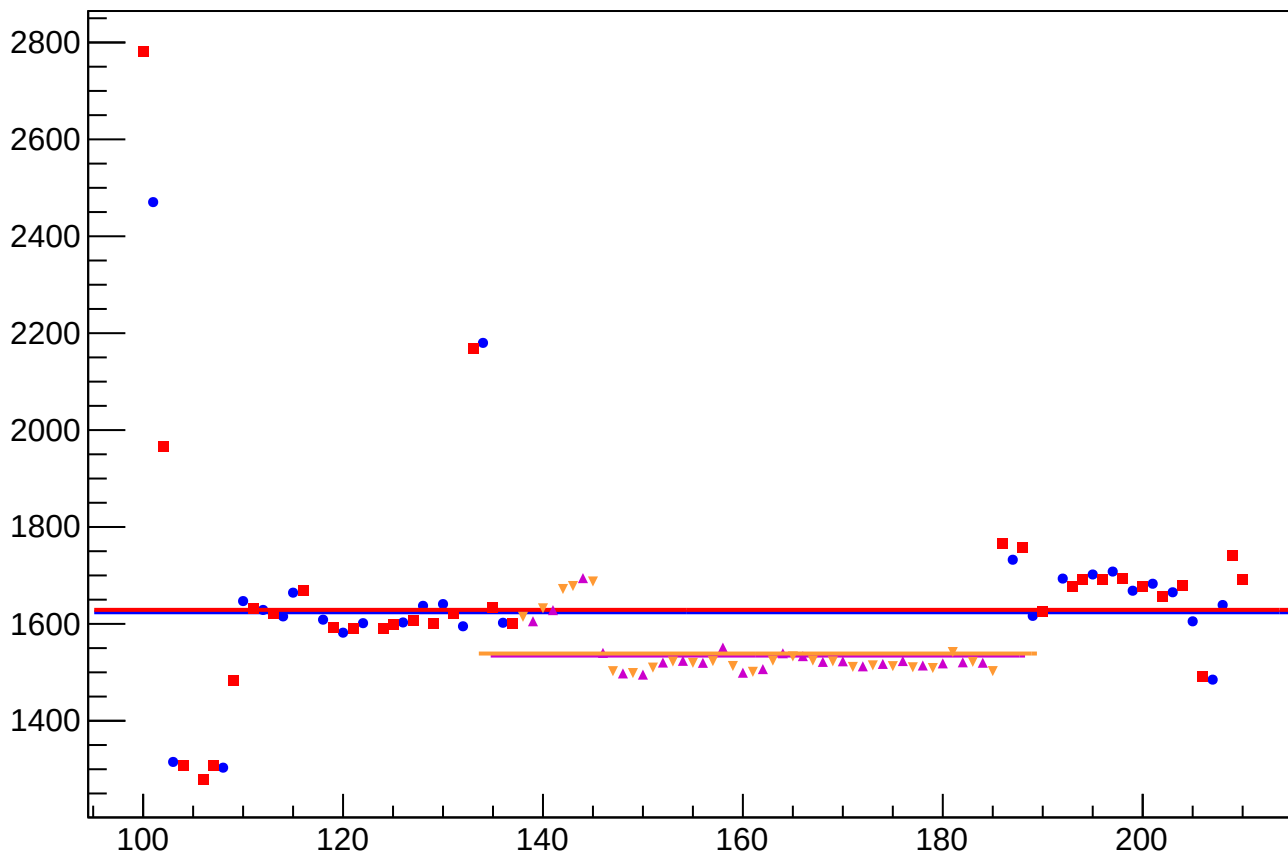
Left In: -2740.826 $\pm$ 358.458 χ^2 /NDF: 16.4/22

+ sign 2272.298 $\pm$ 266.163 χ^2 /NDF: 42.6/51

All: -52.002 $\pm$ 187.293 χ^2 /NDF: 240.5/106

- sign -2331.754 $\pm$ 263.600 χ^2 /NDF: 46.9/54

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1623.987 $\pm$ 0.290 χ^2 /NDF: 353032.8/26

Left Out: 1538.810 $\pm$ 0.247 χ^2 /NDF: 47056.2/24

Right Out: 1628.966 $\pm$ 0.275 χ^2 /NDF: 313329.7/31

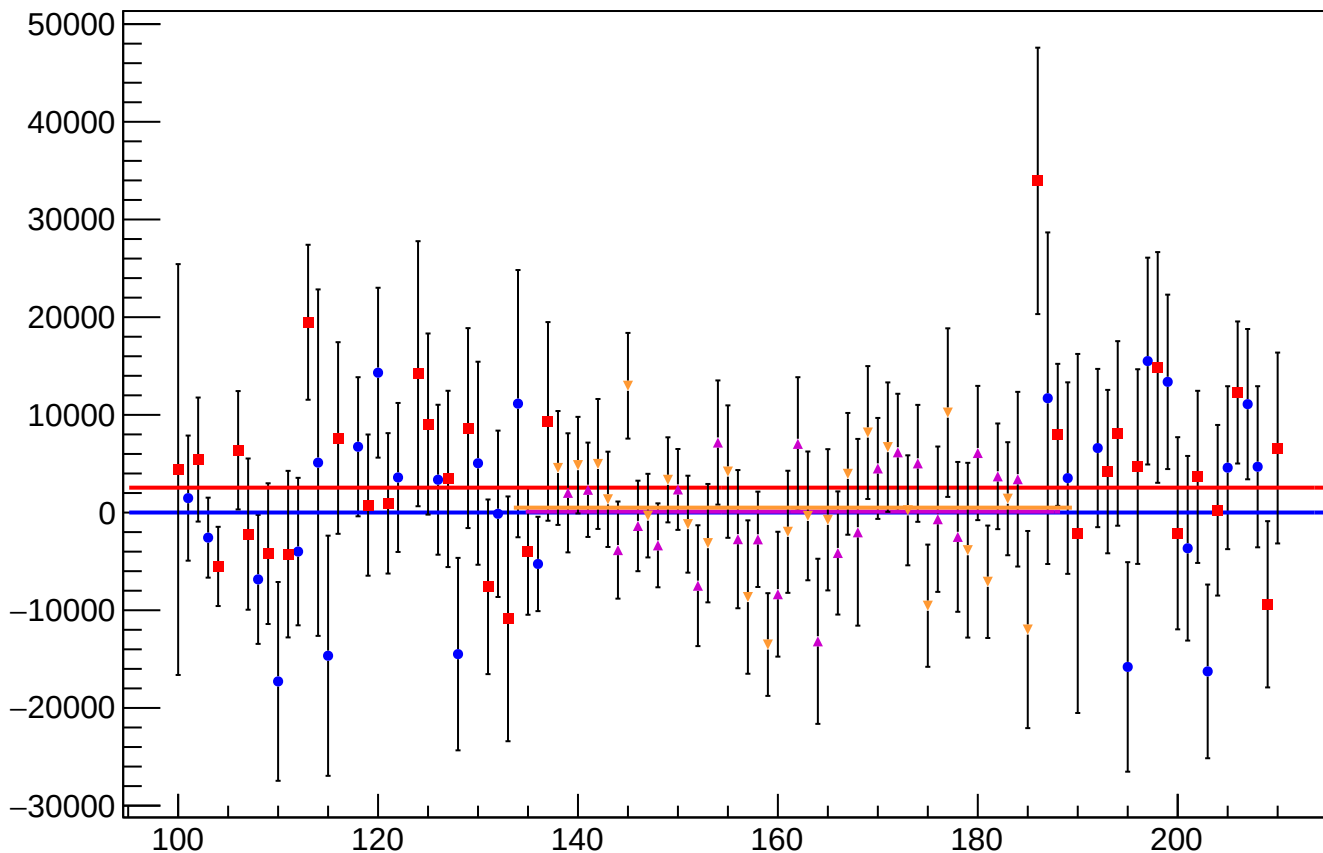
Left In: 1534.615 $\pm$ 0.253 χ^2 /NDF: 31120.6/22

+ sign 1574.660 $\pm$ 0.188 χ^2 /NDF: 450013.3/51

All: 1576.360 $\pm$ 0.132 χ^2 /NDF: 858376.6/106

- sign 1578.025 $\pm$ 0.186 χ^2 /NDF: 408201.8/54

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: 4.951 ± 1539.671 χ^2/NDF : 28.5/26

Left Out: 503.849 ± 1187.302 χ^2/NDF : 26.8/24

Right Out: 2550.059 ± 1458.011 χ^2/NDF : 28.6/31

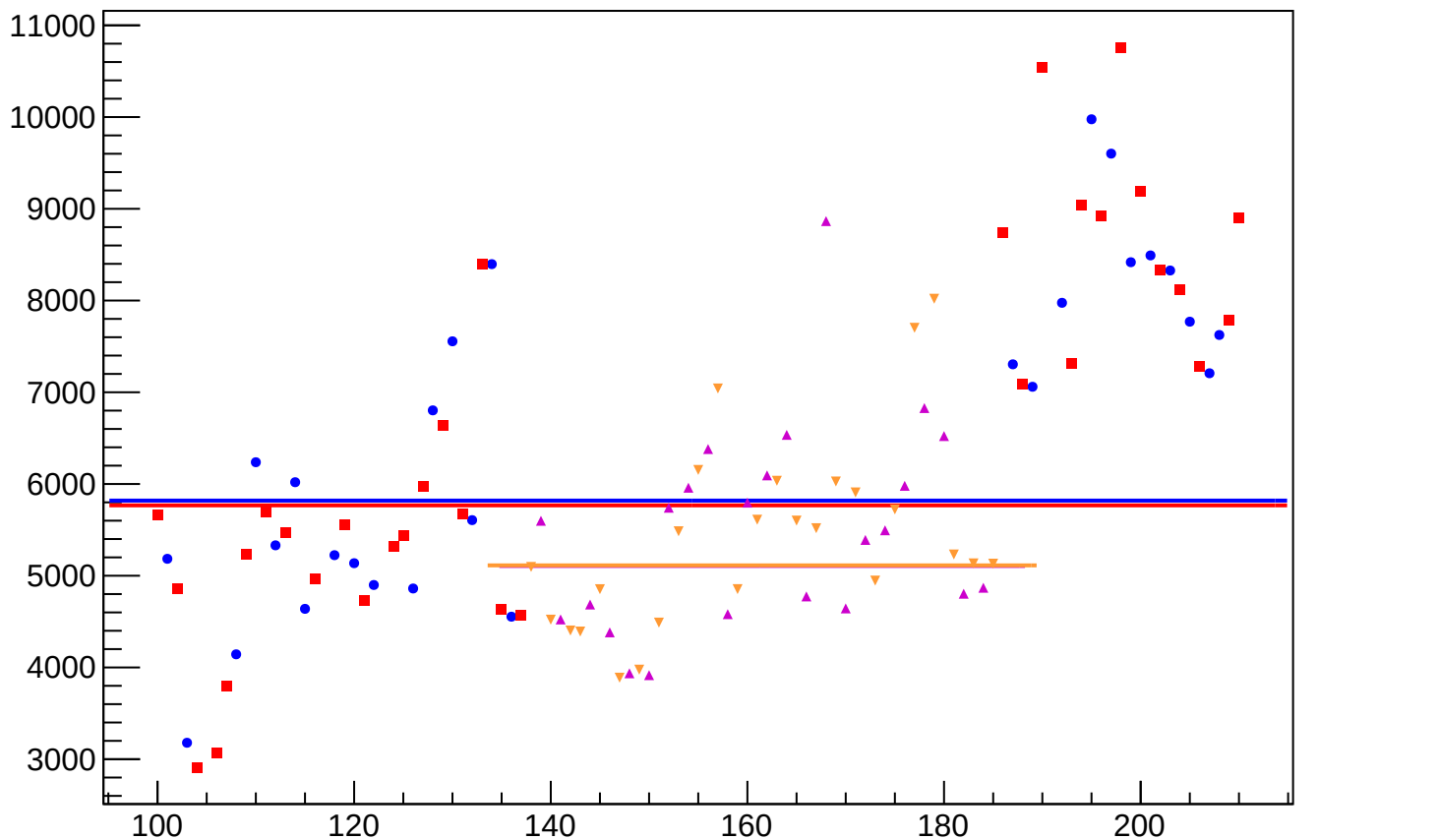
Left In: 97.930 ± 1217.585 χ^2/NDF : 14.9/22

+ sign 317.807 ± 940.216 χ^2/NDF : 55.4/51

All: 713.985 ± 662.825 χ^2/NDF : 100.8/106

- sign 1105.413 ± 934.562 χ^2/NDF : 45.1/54

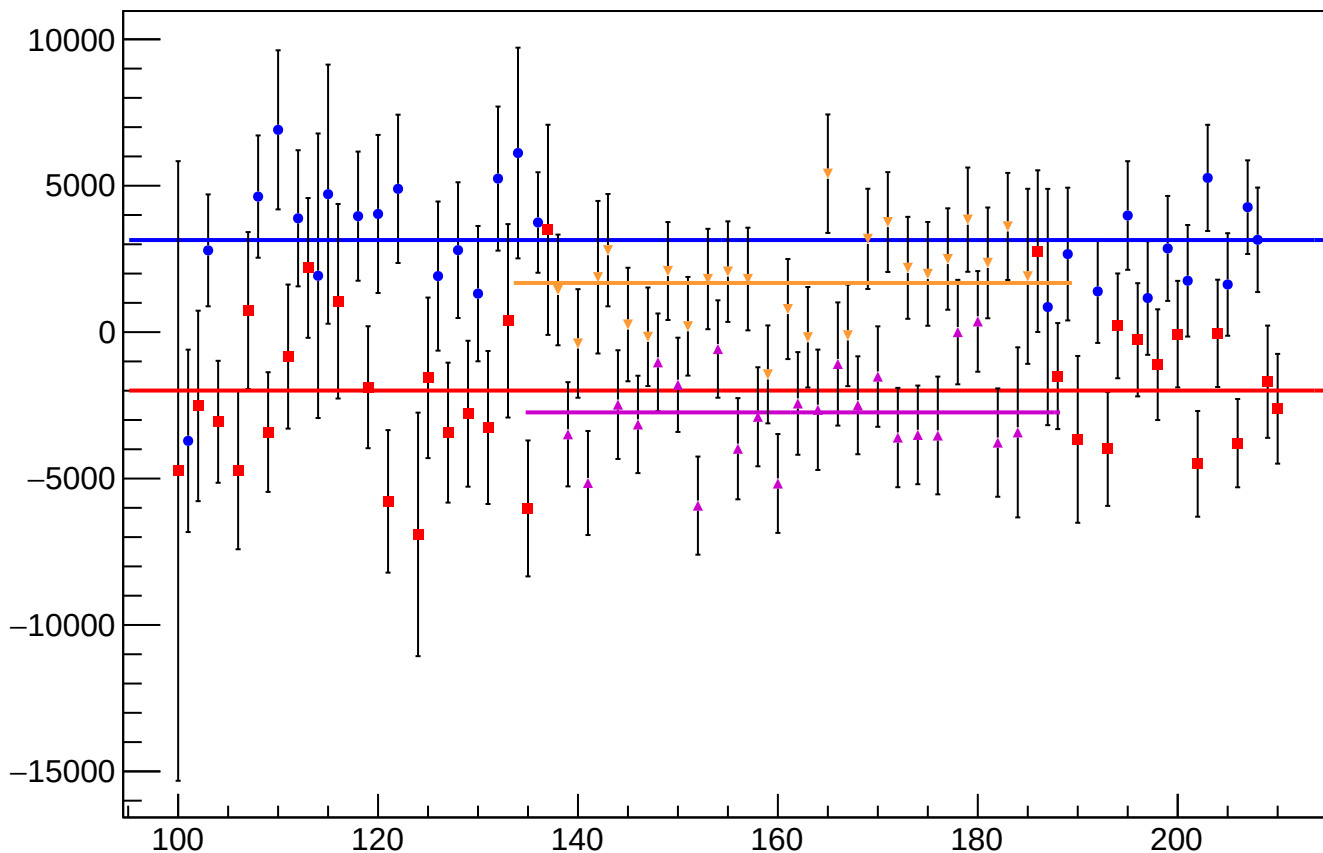
asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 5819.031 $\pm$ 1.089 χ^2 /NDF: 2886522.8/26
 Left Out: 5112.947 $\pm$ 0.840 χ^2 /NDF: 1159023.2/24
 Right Out: 5767.147 $\pm$ 1.031 χ^2 /NDF: 3954746.5/31
 Left In: 5106.384 $\pm$ 0.861 χ^2 /NDF: 1251622.9/22

+ sign 5376.250 $\pm$ 0.665 χ^2 /NDF: 4309312.8/51
 All: 5377.063 $\pm$ 0.469 χ^2 /NDF: 9757686.9/10
 - sign 5377.866 $\pm$ 0.661 χ^2 /NDF: 5448371.1/54

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3144.311 $\pm$ 419.342 χ^2 /NDF: 16.5/26

Left Out: 1679.163 $\pm$ 362.391 χ^2 /NDF: 19.0/24

Right Out: -1994.796 $\pm$ 398.478 χ^2 /NDF: 30.2/31

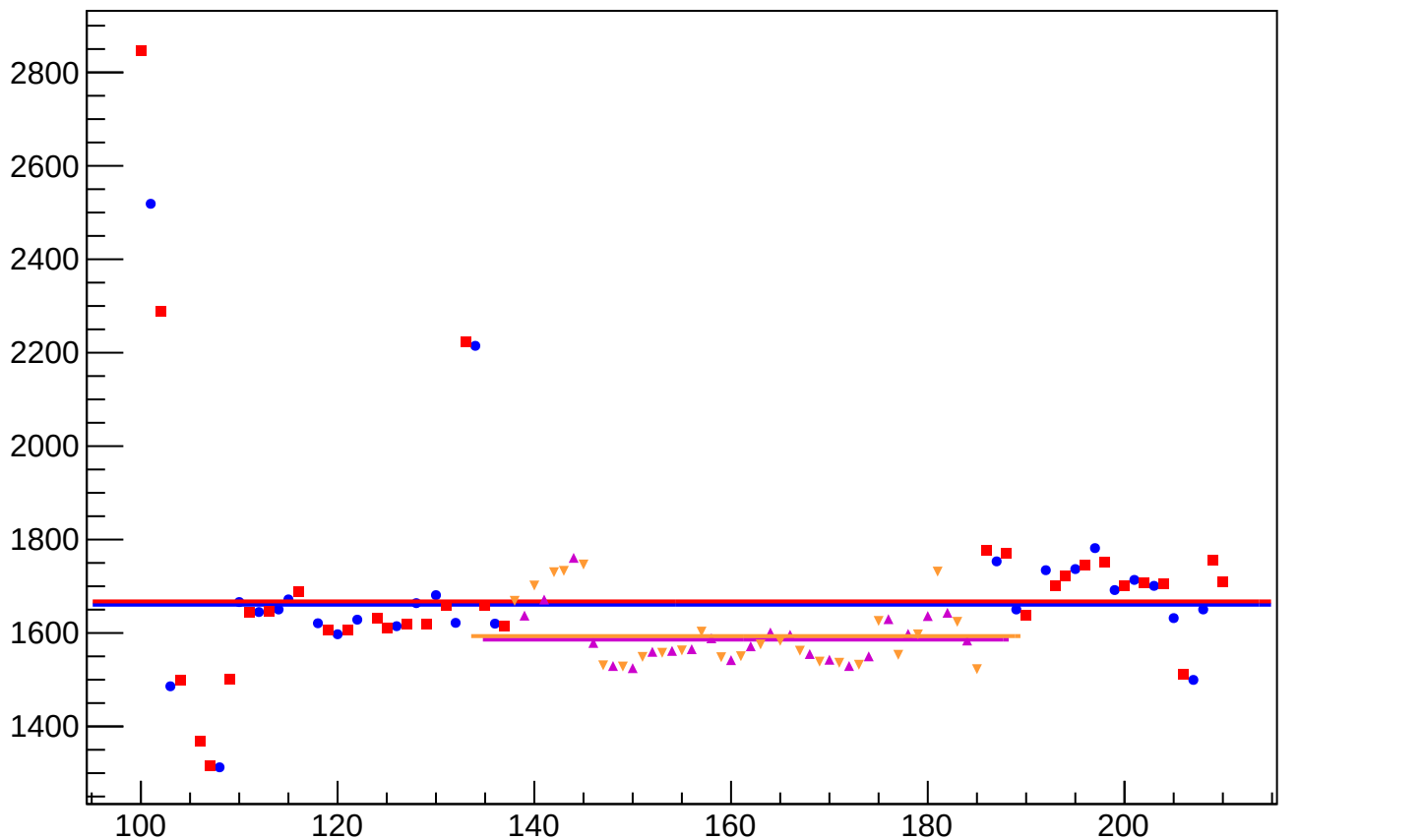
Left In: -2740.666 $\pm$ 370.604 χ^2 /NDF: 19.2/22

+ sign 2305.561 $\pm$ 274.191 χ^2 /NDF: 42.4/51

All: -68.834 $\pm$ 192.879 χ^2 /NDF: 242.1/106

- sign -2394.728 $\pm$ 271.376 χ^2 /NDF: 51.2/54

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1660.576 $\pm$ 0.297 χ^2 /NDF: 316046.4/26

Left Out: 1593.388 $\pm$ 0.256 χ^2 /NDF: 71876.4/24

Right Out: 1667.622 $\pm$ 0.282 χ^2 /NDF: 295132.7/31

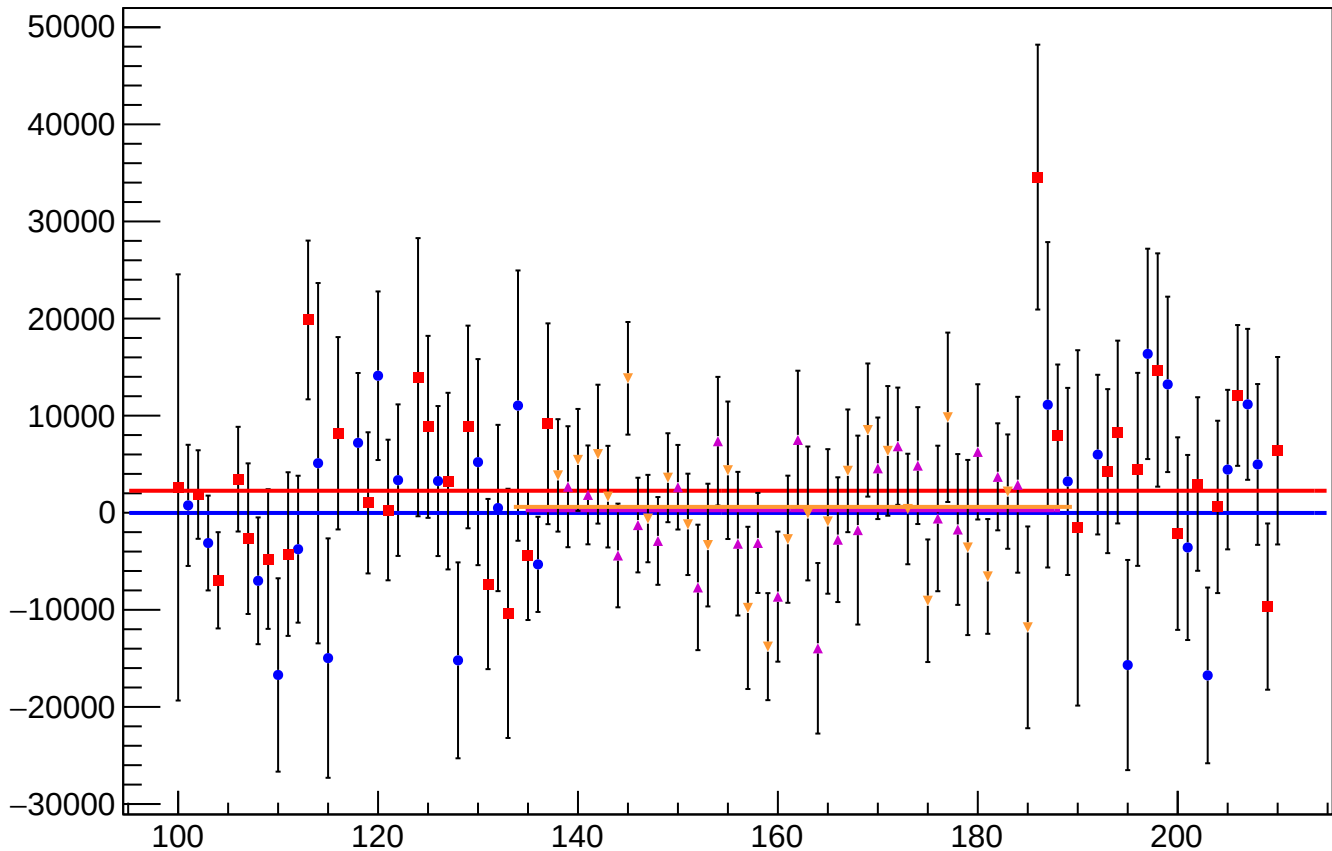
Left In: 1585.918 $\pm$ 0.262 χ^2 /NDF: 41915.3/22

+ sign 1622.113 $\pm$ 0.194 χ^2 /NDF: 417314.8/51

All: 1622.979 $\pm$ 0.136 χ^2 /NDF: 799505.3/106

- sign 1623.828 $\pm$ 0.192 χ^2 /NDF: 382151.0/54

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -21.846 $\pm$ 1579.869 χ^2/NDF : 28.4/26

Left Out: 601.820 $\pm$ 1233.559 χ^2/NDF : 26.0/24

Right Out: 2264.130 $\pm$ 1450.612 χ^2/NDF : 27.8/31

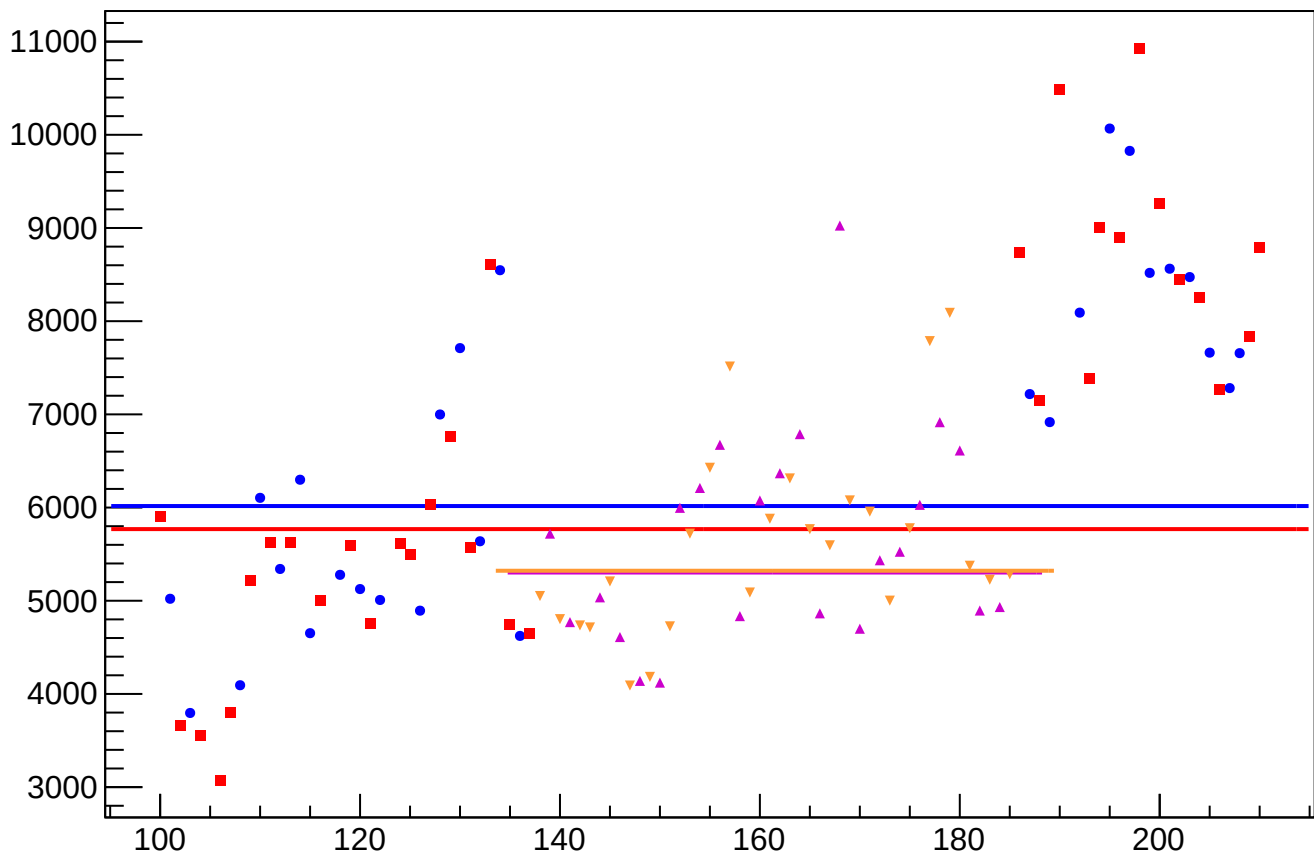
Left In: 255.905 $\pm$ 1262.607 χ^2/NDF : 14.6/22

+ sign 365.610 $\pm$ 972.288 χ^2/NDF : 54.5/51

All: 751.388 $\pm$ 680.363 χ^2/NDF : 98.4/106

- sign 1121.528 $\pm$ 952.378 χ^2/NDF : 43.5/54

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 6016.301+/-1.117 χ^2/NDF : 2436764.9/26

Left Out: 5321.956+/-0.872 χ^2/NDF : 1037009.2/24

Right Out: 5768.796+/-1.026 χ^2/NDF : 3868641.6/31

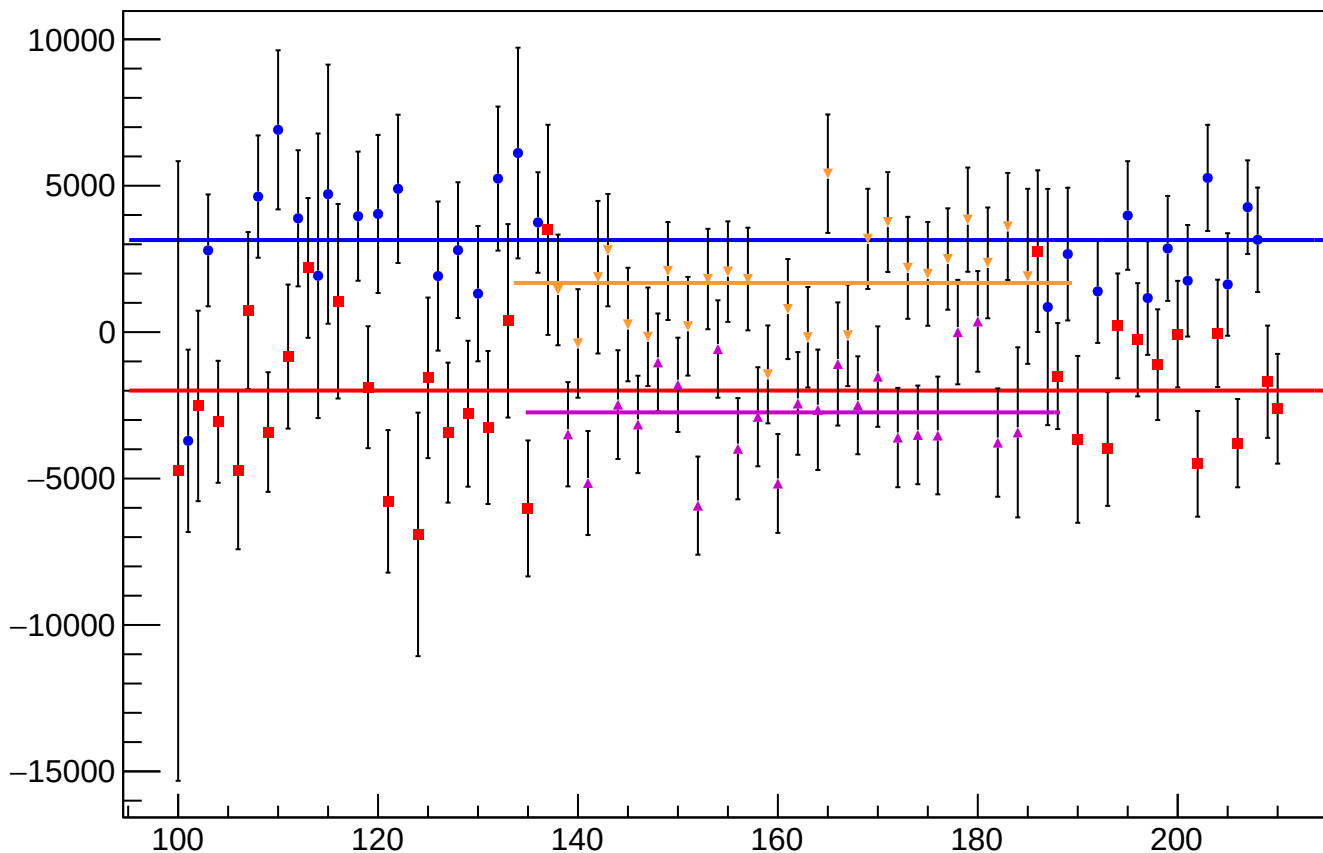
Left In: 5302.849+/-0.893 χ^2/NDF : 1152376.1/22

+ sign 5584.936+/-0.688 χ^2/NDF : 3713772.7/51

All: 5543.473+/-0.481 χ^2/NDF : 8859321.3/10

- sign 5503.690+/-0.673 χ^2/NDF : 5138421.7/54

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3144.309 $\pm$ 419.342 χ^2 /NDF: 16.5/26

Left Out: 1679.156 $\pm$ 362.392 χ^2 /NDF:19.0/24

Right Out: -1994.796 $\pm$ 398.478 χ^2 /NDF: 30.2/31

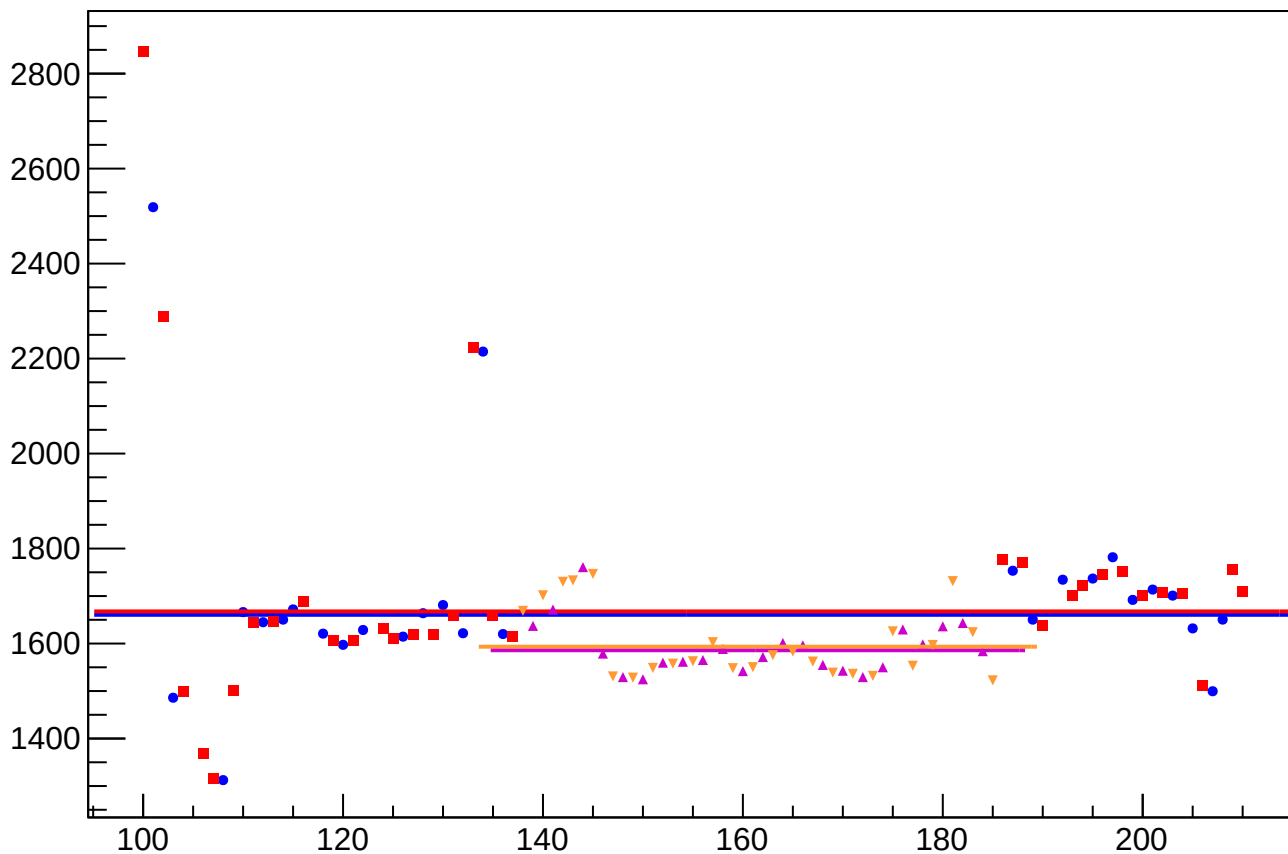
Left In: -2740.666 $\pm$ 370.605 χ^2 /NDF:19.2/22

+ sign 2305.557 $\pm$ 274.191 χ^2 /NDF: 42.4/51

All: -68.836 $\pm$ 192.880 χ^2 /NDF: 242.1/106

- sign -2394.728 $\pm$ 271.376 χ^2 /NDF: 51.2/54

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1660.575 $\pm$ 0.297 χ^2 /NDF: 316046.6/26

Left Out: 1593.388 $\pm$ 0.256 χ^2 /NDF: 71876.3/24

Right Out: 1667.622 $\pm$ 0.282 χ^2 /NDF: 295132.8/31

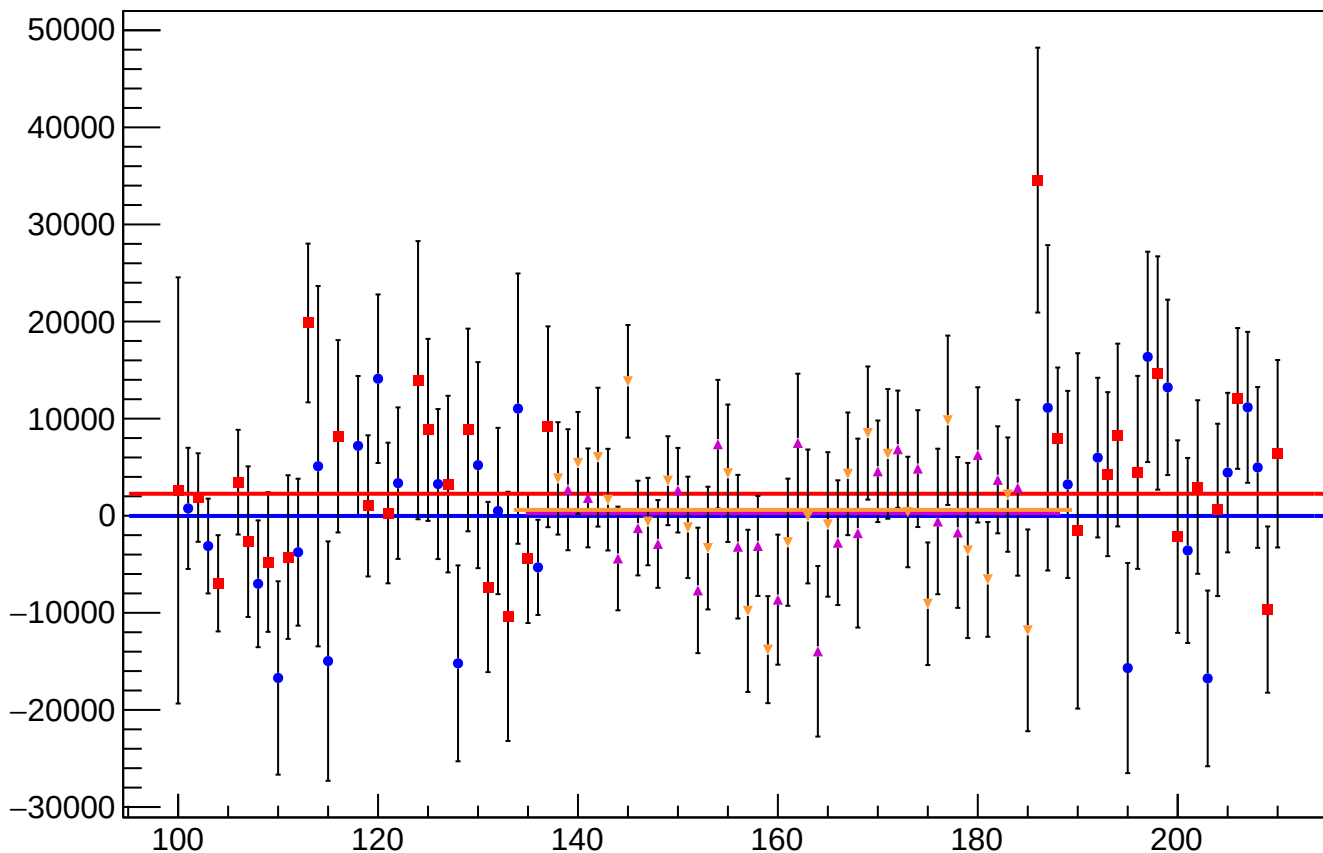
Left In: 1585.919 $\pm$ 0.262 χ^2 /NDF: 41915.1/22

+ sign 1622.113 $\pm$ 0.194 χ^2 /NDF: 417313.8/51

All: 1622.980 $\pm$ 0.136 χ^2 /NDF: 799502.9/106

- sign 1623.829 $\pm$ 0.192 χ^2 /NDF: 382149.6/54

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -21.839 ± 1579.869 $\chi^2/\text{NDF}: 28.4/26$

Left Out: 601.817 ± 1233.561 $\chi^2/\text{NDF}: 26.0/24$

Right Out: 2264.127 ± 1450.611 $\chi^2/\text{NDF}: 27.8/31$

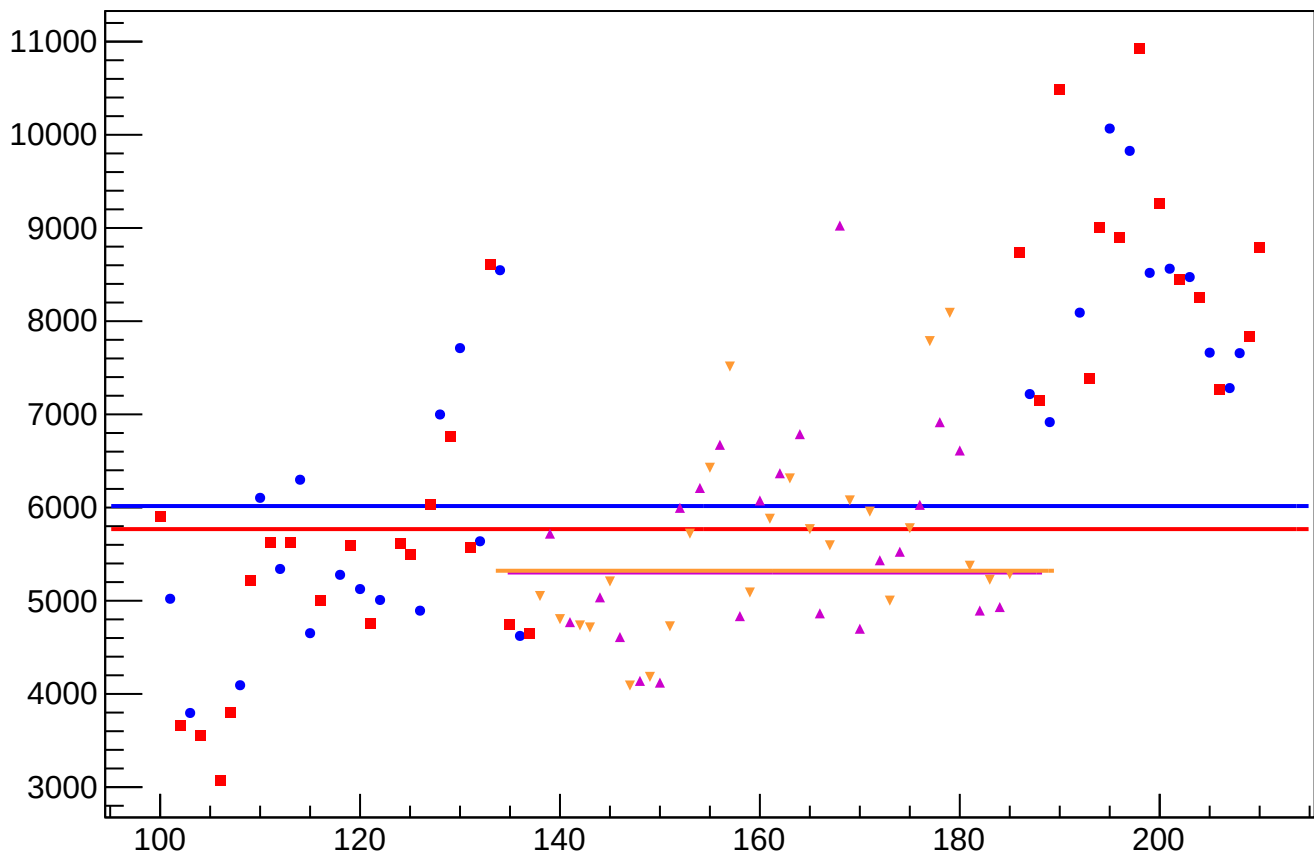
Left In: 255.907 ± 1262.609 $\chi^2/\text{NDF}: 14.6/22$

+ sign 365.609 ± 972.289 $\chi^2/\text{NDF}: 54.5/51$

All: 751.389 ± 680.363 $\chi^2/\text{NDF}: 98.4/106$

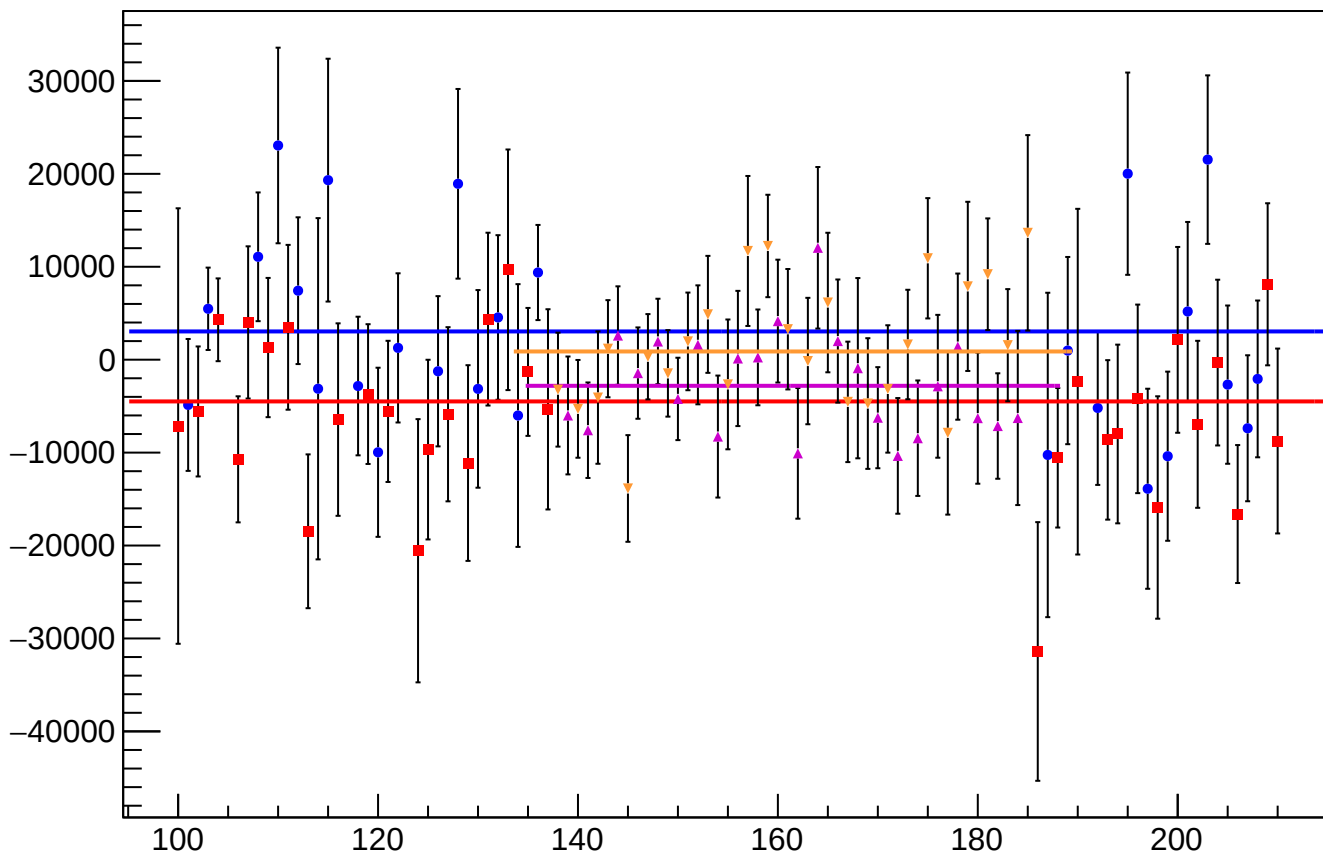
- sign 1121.531 ± 952.379 $\chi^2/\text{NDF}: 43.5/54$

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 6016.297+/-1.117	χ^2/NDF : 2436777.3/26	+ sign 5584.941+/-0.688	χ^2/NDF : 3713777.5/51
Left Out: 5321.965+/-0.872	χ^2/NDF : 1037011.4/24	All: 5543.477+/-0.481	χ^2/NDF : 8859339.4/10
Right Out: 5768.790+/-1.026	χ^2/NDF : 3868658.1/31	- sign 5503.694+/-0.673	χ^2/NDF : 5138434.7/54
Left In: 5302.858+/-0.893	χ^2/NDF : 1152380.1/22		

asym_usr_atr2_avg_mean vs Slug



Right In: 3040.402+/-1612.591 χ^2/NDF : 31.7/26

Left Out: 885.482+/-1246.500 χ^2/NDF : 25.7/24

Right Out: -4491.379+/-1533.314 χ^2/NDF : 25.8/31

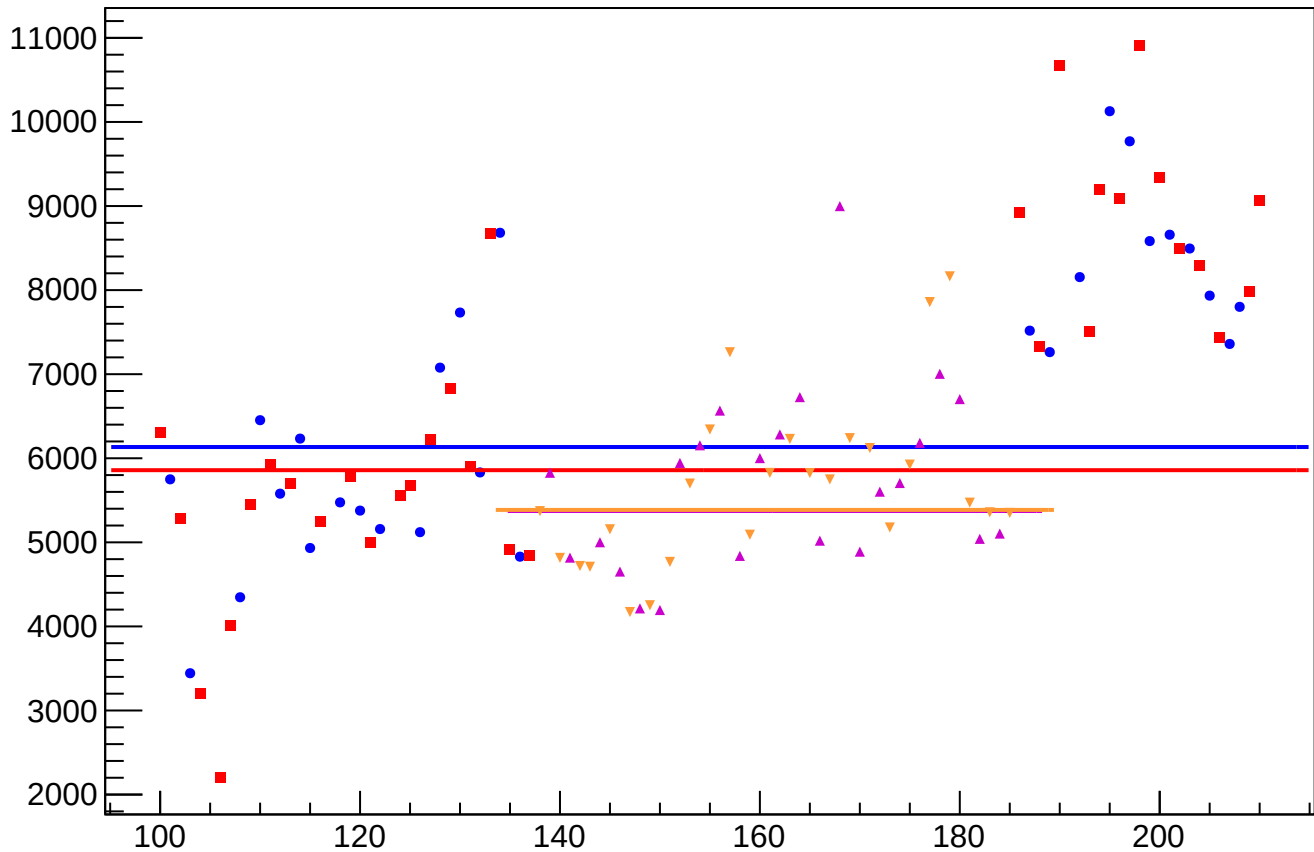
Left In: -2810.702+/-1277.225 χ^2/NDF : 14.7/22

+ sign 1691.467+/-986.216 χ^2/NDF : 58.5/51

All: -916.659+/-695.637 χ^2/NDF : 113.6/106

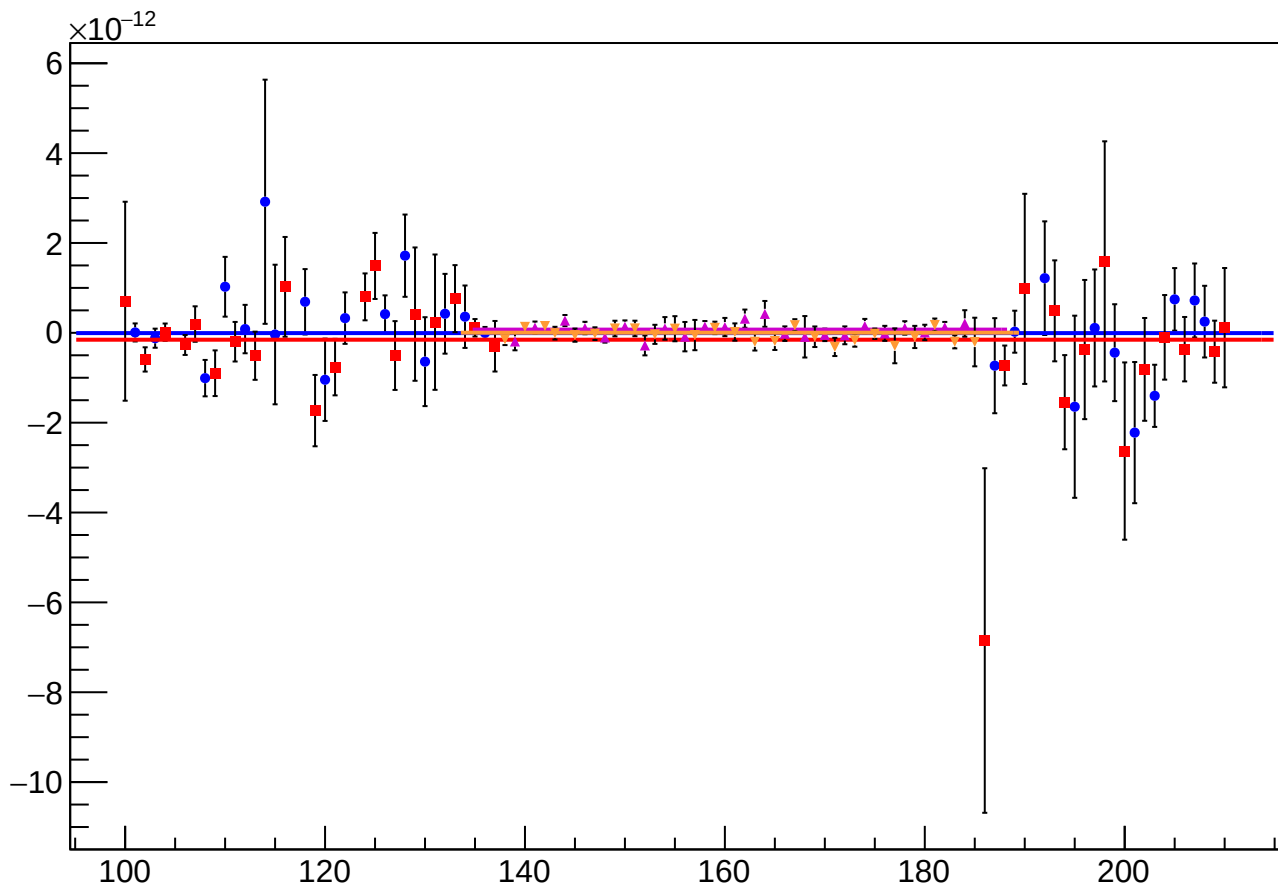
- sign -3499.162+/-981.360 χ^2/NDF : 41.3/54

asym_usr_atr2_avg_rms vs Slug



Right In: 6133.694+/-1.140	χ^2/NDF : 2542929.2/26	+ sign 5665.436+/-0.697	χ^2/NDF : 3799415.3/51
Left Out: 5385.653+/-0.881	χ^2/NDF : 987089.3/24		
Right Out: 5858.330+/-1.056	χ^2/NDF : 4395604.6/31	All: 5620.984+/-0.489	χ^2/NDF : 9396884.8/10
Left In: 5372.867+/-0.903	χ^2/NDF : 1071821.2/22	- sign 5577.919+/-0.686	χ^2/NDF : 5589469.8/54

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 28.4/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 18.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 35.1/31

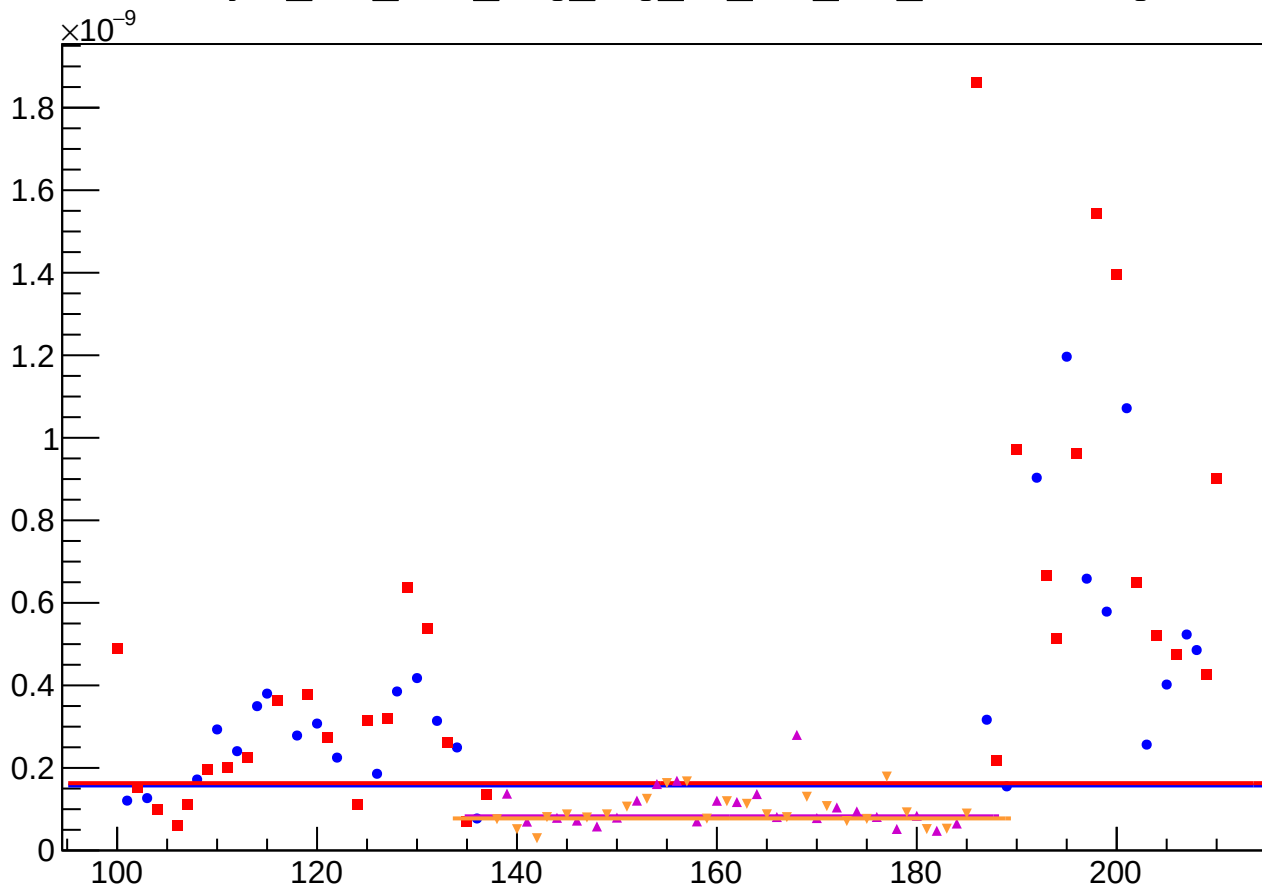
Left In: 0.000 ± 0.000 χ^2/NDF : 15.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 46.7/51

All: 0.000 ± 0.000 χ^2/NDF : 104.5/106

- sign 0.000 ± 0.000 χ^2/NDF : 57.0/54

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5093978.5/26

Left Out: 0.000+/-0.000 χ^2/NDF :1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7178048.7/31

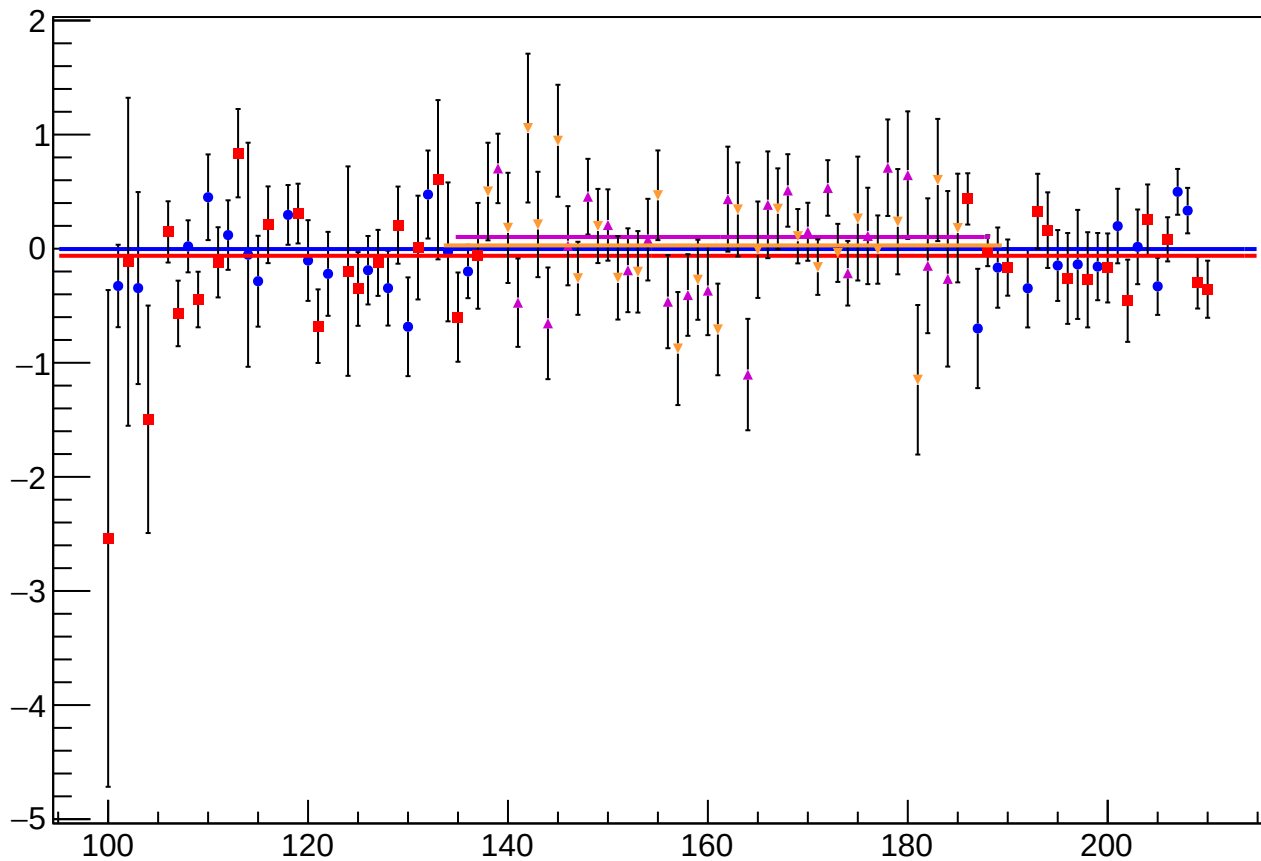
Left In: 0.000+/-0.000 χ^2/NDF :1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 8388966.9/51

All: 0.000+/-0.000 χ^2/NDF : 18700397.1/106

- sign 0.000+/-0.000 χ^2/NDF : 10274328.0/54

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.061 χ^2/NDF : 25.8/26

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.062 ± 0.053 χ^2/NDF : 38.6/31

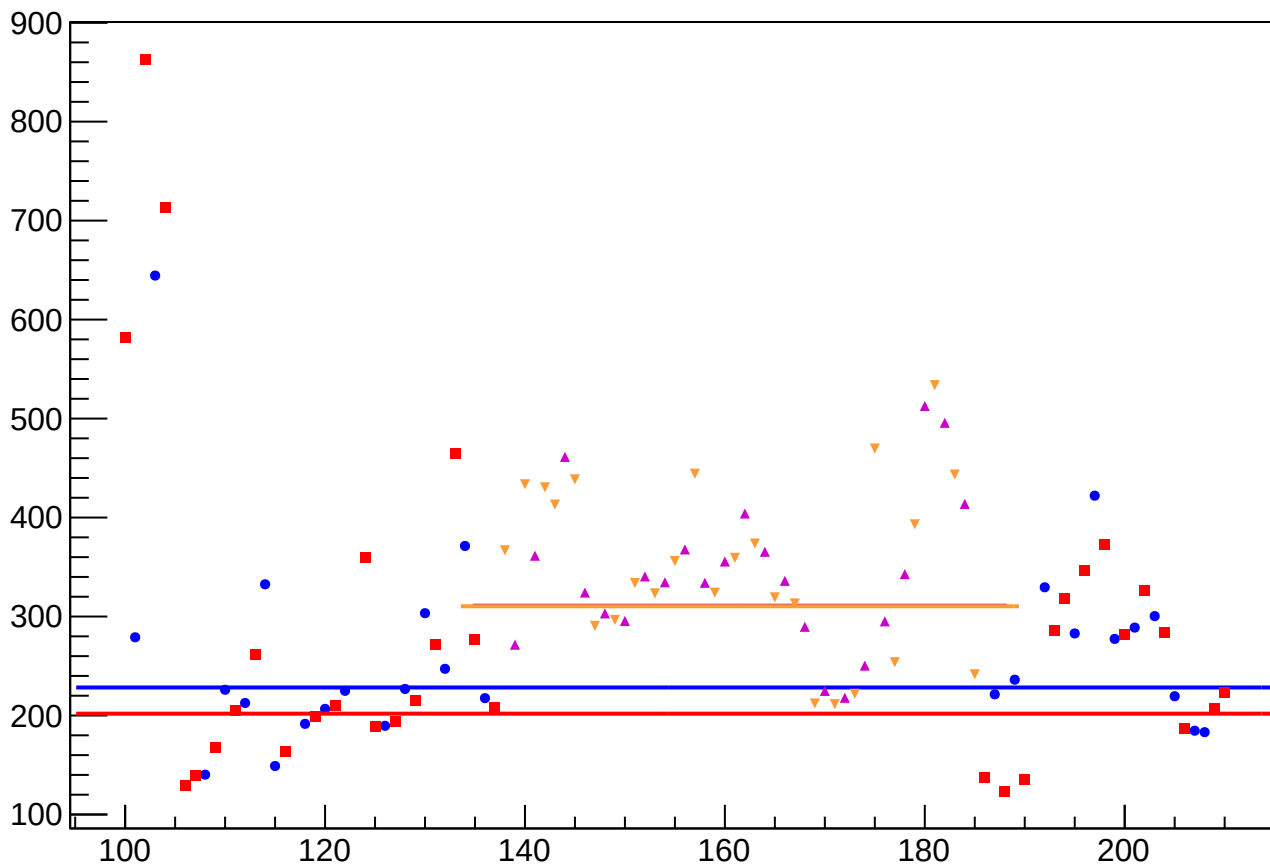
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign 0.010 ± 0.047 χ^2/NDF : 51.2/51

All: -0.000 ± 0.032 χ^2/NDF : 125.3/106

- sign -0.009 ± 0.043 χ^2/NDF : 74.0/54

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 228.333 $\pm$ 0.043 χ^2 /NDF: 2180516.2/26

Left Out: 310.359 $\pm$ 0.053 χ^2 /NDF: 2363086.4/24

Right Out: 201.885 $\pm$ 0.037 χ^2 /NDF: 4355110.4/31

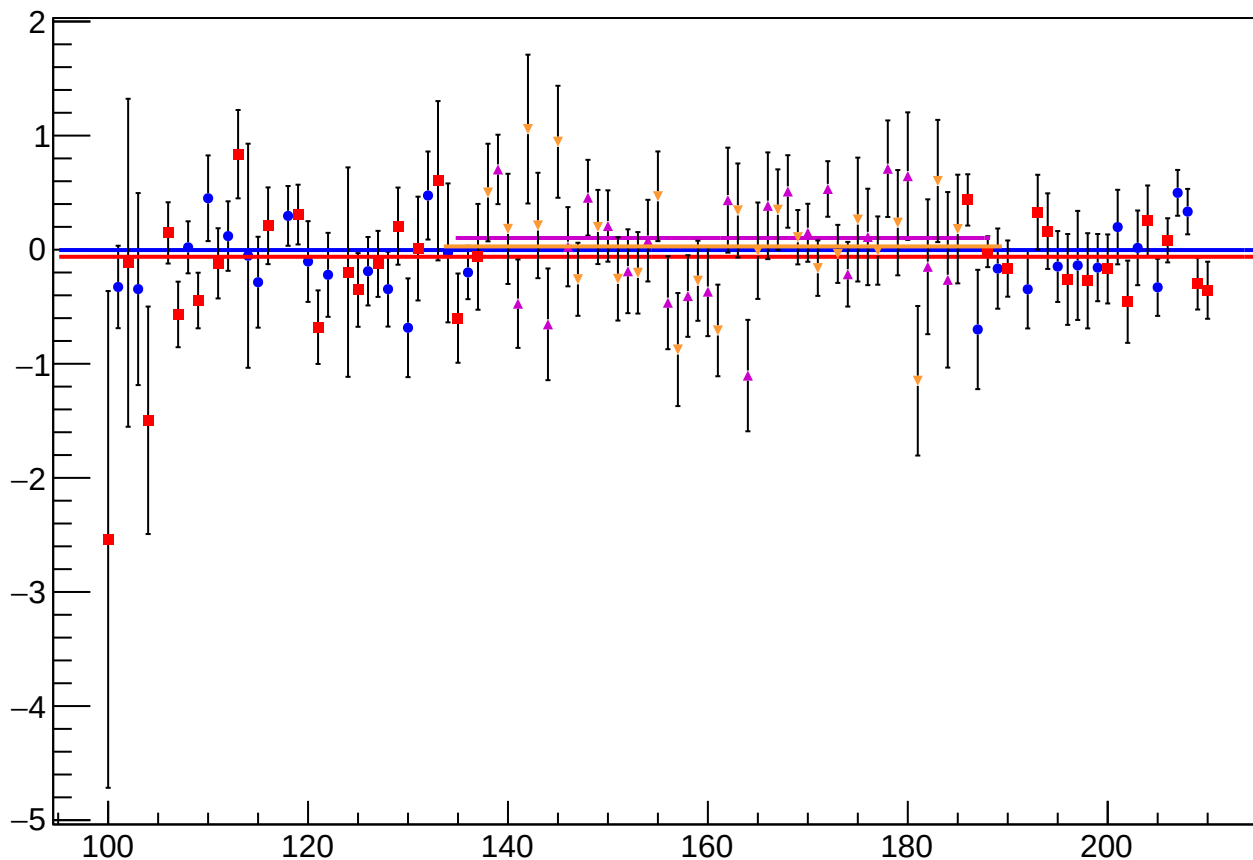
Left In: 310.960 $\pm$ 0.054 χ^2 /NDF: 1600370.0/22

+ sign 261.218 $\pm$ 0.033 χ^2 /NDF: 5989574.5/51

All: 248.292 $\pm$ 0.023 χ^2 /NDF: 14982480.1/10

- sign 237.357 $\pm$ 0.031 χ^2 /NDF: 8716924.3/54

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.061 χ^2/NDF : 25.8/26

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.062 ± 0.053 χ^2/NDF : 38.6/31

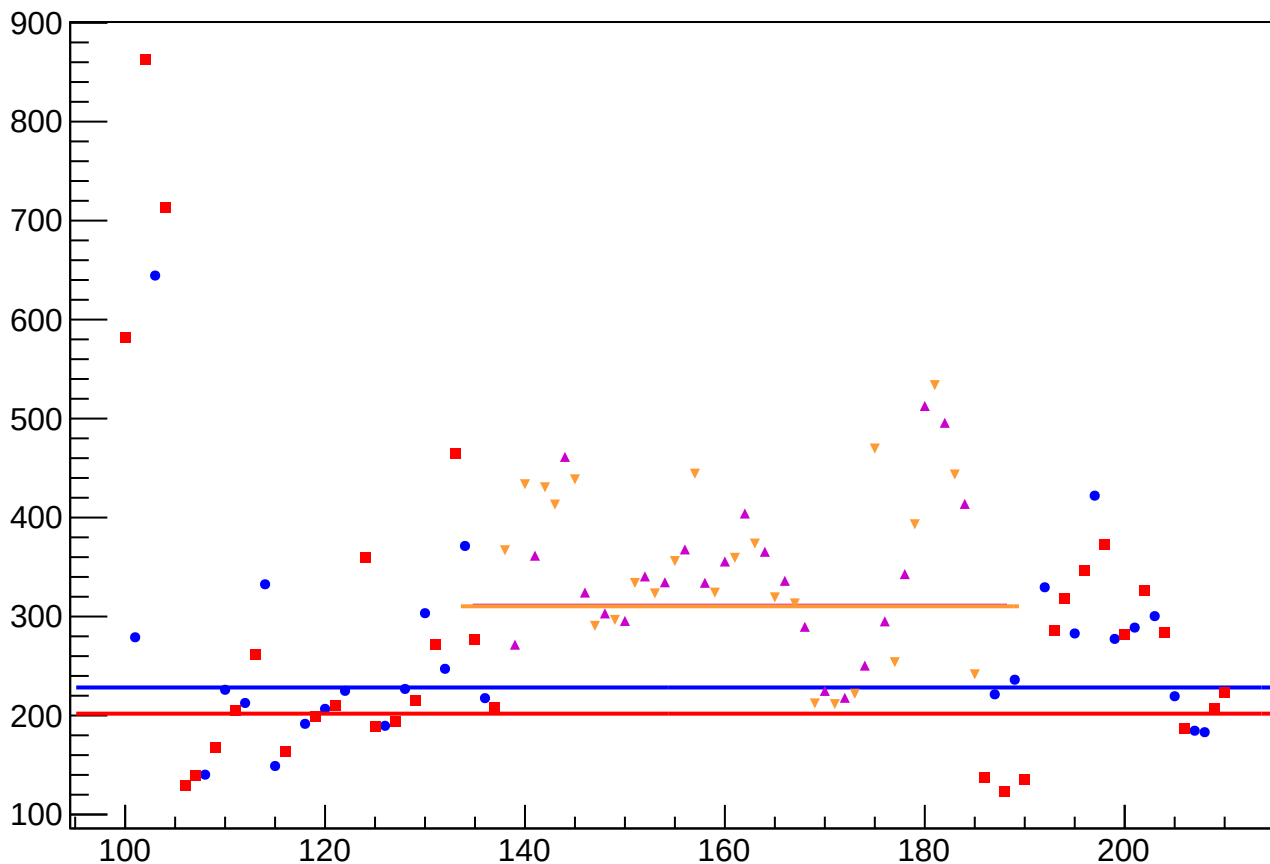
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign 0.010 ± 0.047 χ^2/NDF : 51.2/51

All: -0.000 ± 0.032 χ^2/NDF : 125.3/106

- sign -0.009 ± 0.043 χ^2/NDF : 74.0/54

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 228.333 $\pm$ 0.043 χ^2 /NDF: 2180516.2/26

Left Out: 310.359 $\pm$ 0.053 χ^2 /NDF: 2363086.4/24

Right Out: 201.885 $\pm$ 0.037 χ^2 /NDF: 4355110.4/31

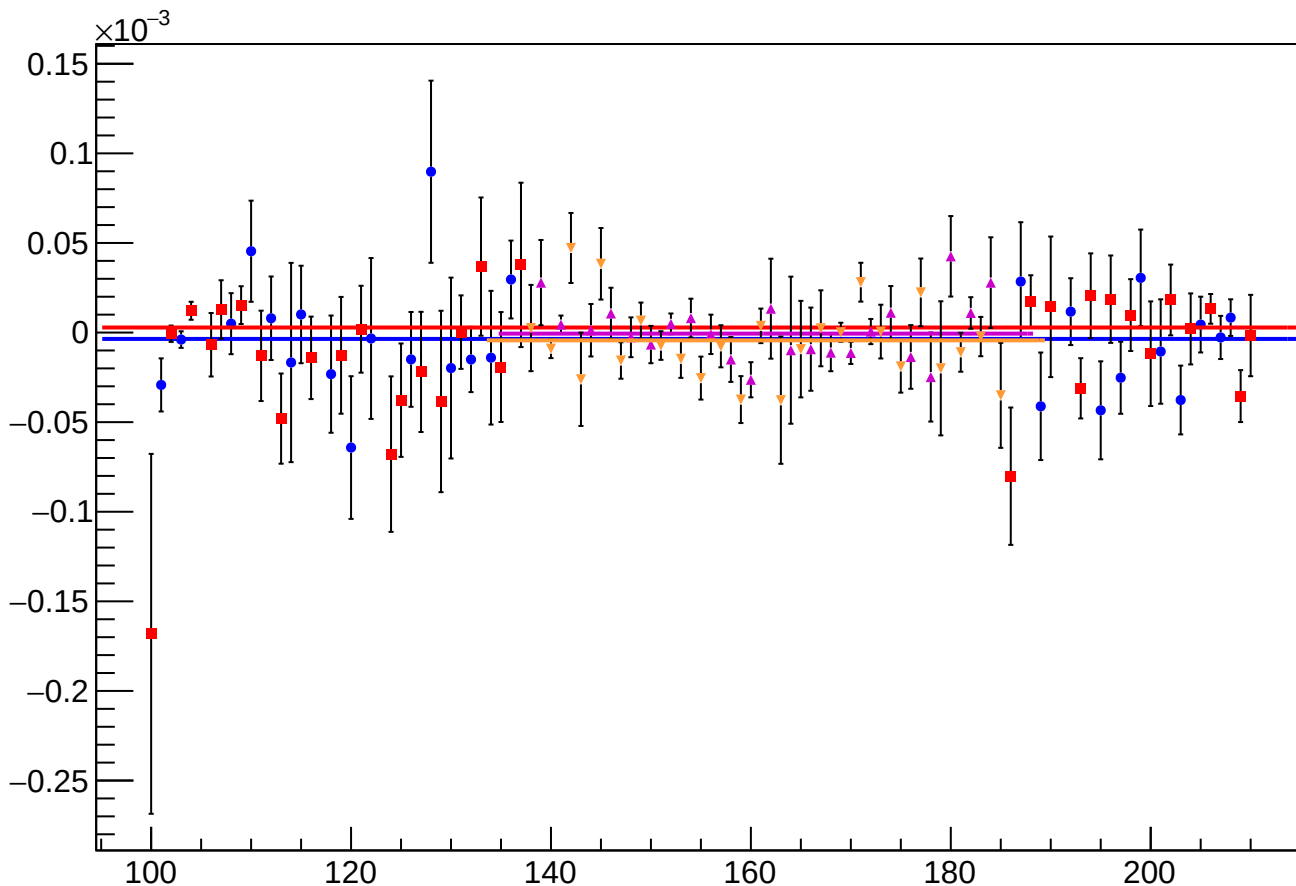
Left In: 310.960 $\pm$ 0.054 χ^2 /NDF: 1600370.0/22

+ sign 261.218 $\pm$ 0.033 χ^2 /NDF: 5989574.5/51

All: 248.292 $\pm$ 0.023 χ^2 /NDF: 14982480.1/10

- sign 237.357 $\pm$ 0.031 χ^2 /NDF: 8716924.3/54

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.9/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.0/31

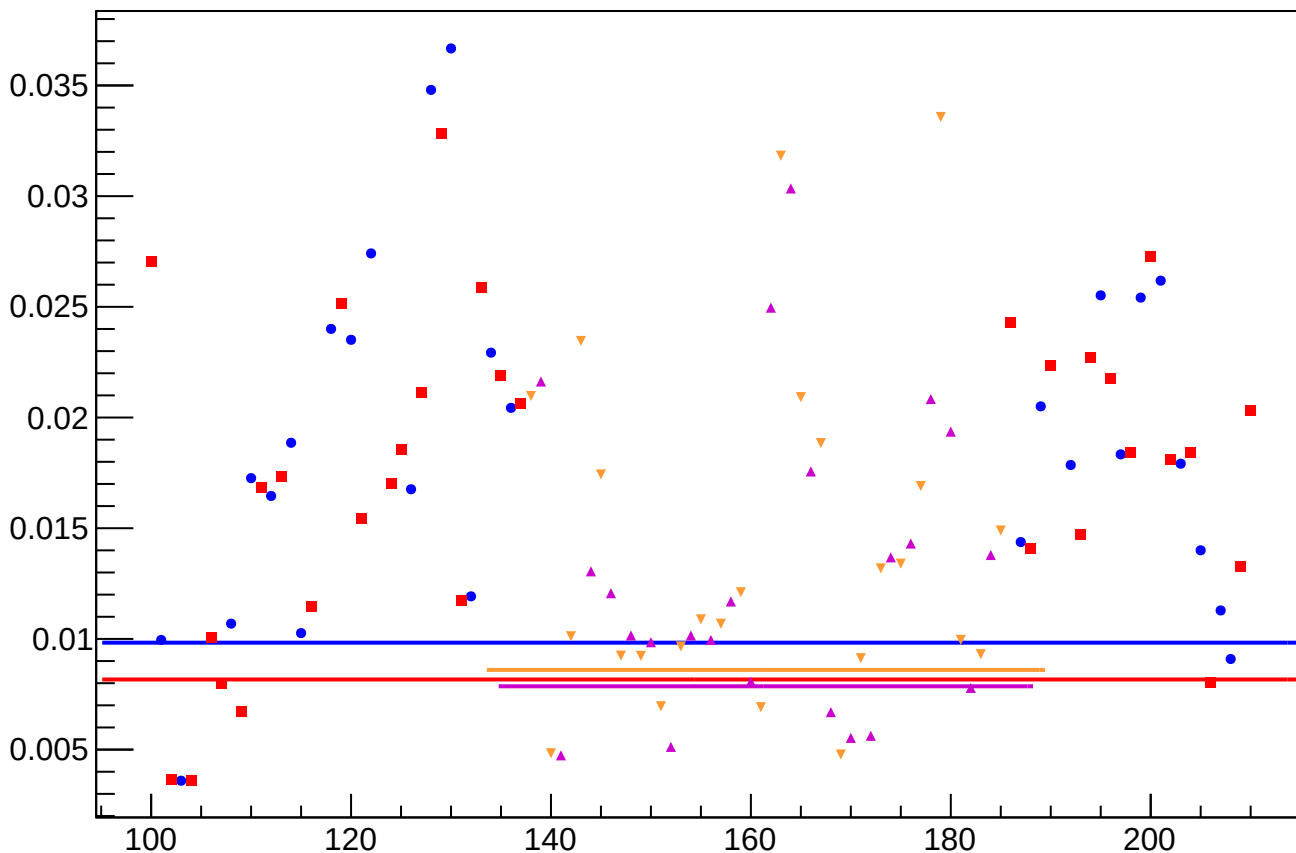
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 71.2/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 144.9/106

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 69.7/54

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 10363548.7/26

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 7653564.7/24

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 12967571.1/31

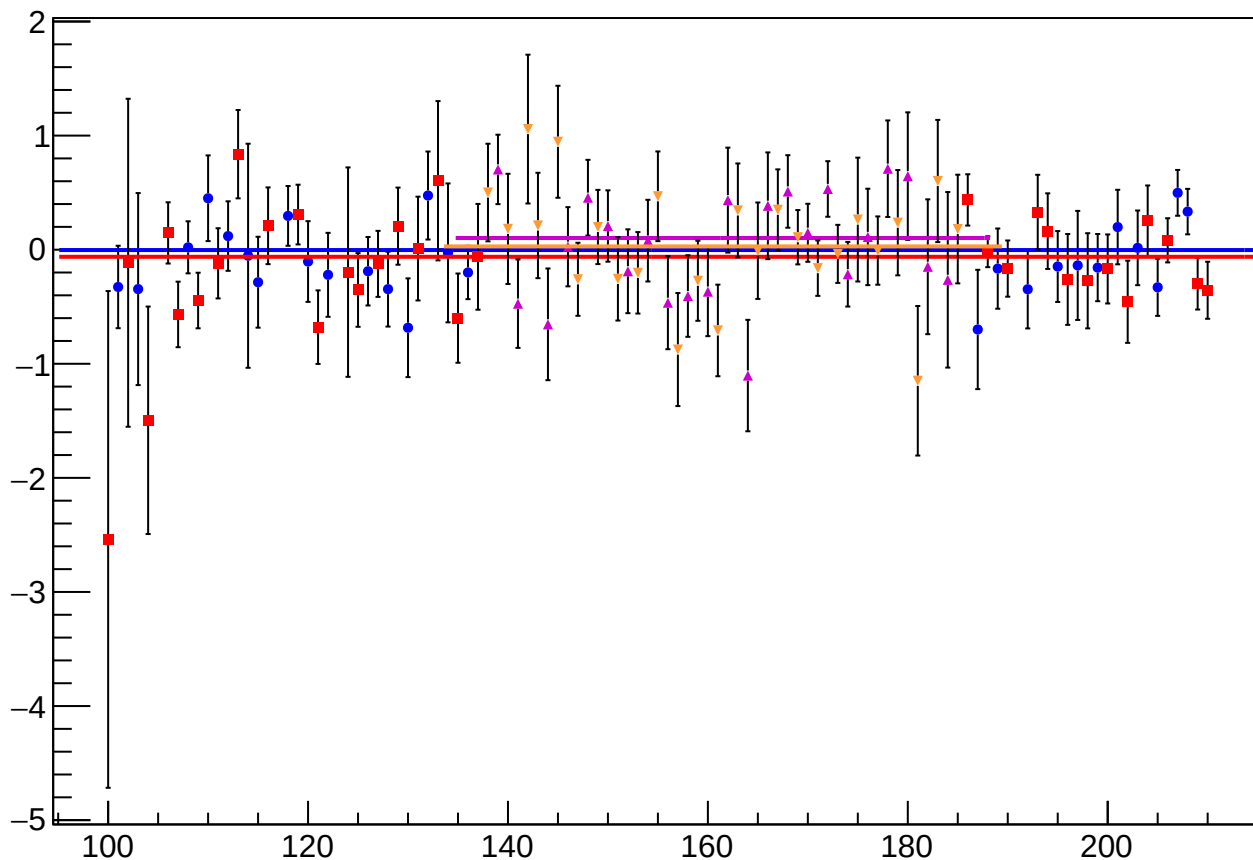
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 6779815.5/22

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 18223824.4/51

All: 0.008 $\pm$ 0.000 χ^2/NDF : 38347041.9/106

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 19765020.9/54

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.061 χ^2/NDF : 25.8/26

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.062 ± 0.053 χ^2/NDF : 38.6/31

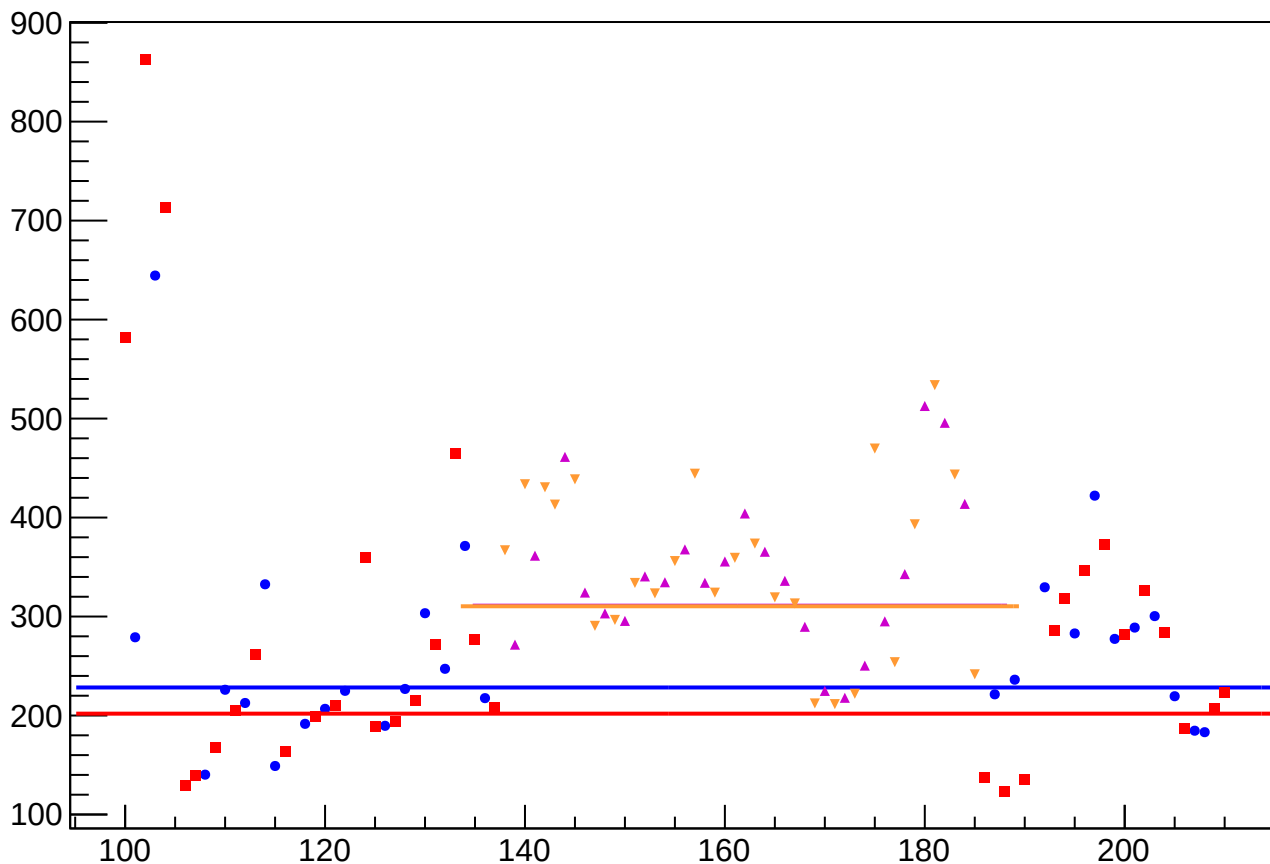
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign 0.010 ± 0.047 χ^2/NDF : 51.2/51

All: -0.000 ± 0.032 χ^2/NDF : 125.3/106

- sign -0.009 ± 0.043 χ^2/NDF : 74.0/54

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 228.333 $\pm$ 0.043 χ^2 /NDF: 2180507.9/26

Left Out: 310.362 $\pm$ 0.053 χ^2 /NDF: 2363148.8/24

Right Out: 201.882 $\pm$ 0.037 χ^2 /NDF: 4355266.9/31

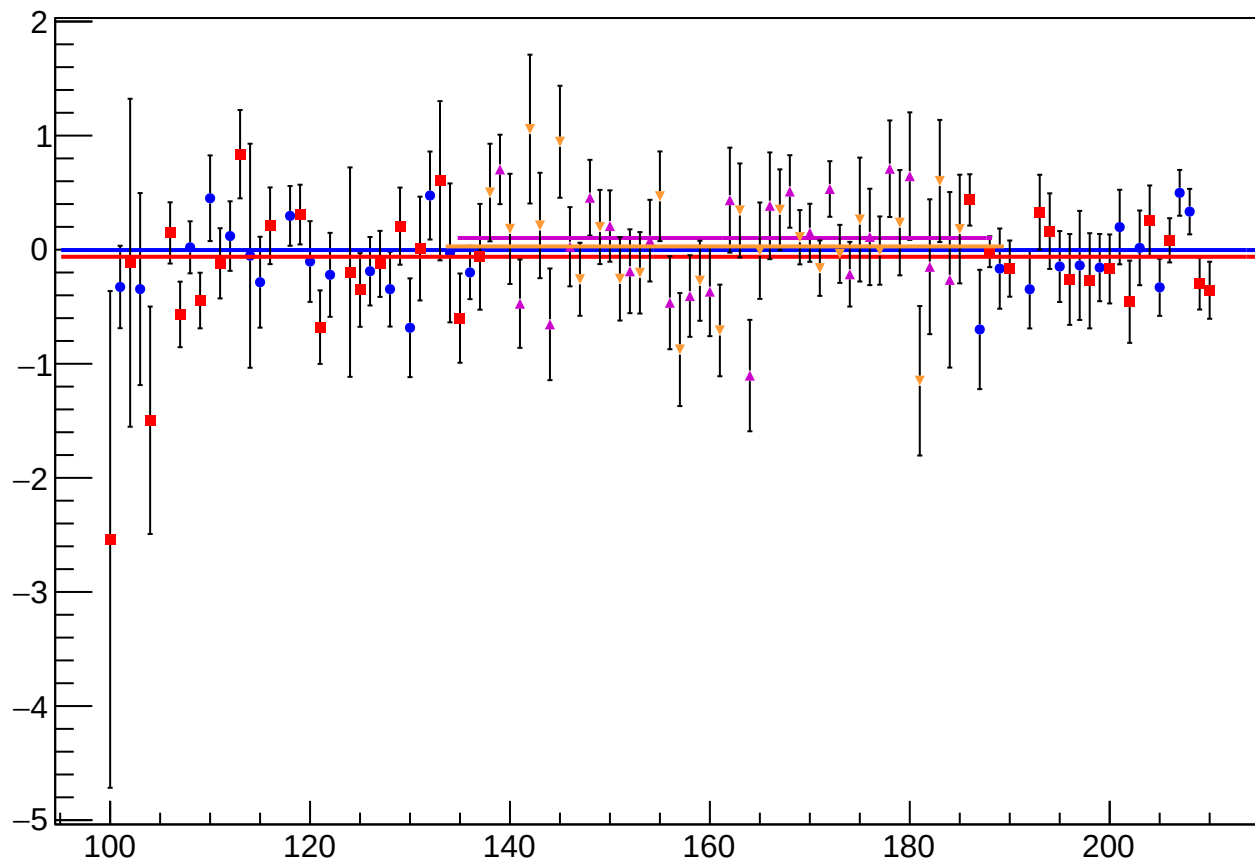
Left In: 310.963 $\pm$ 0.054 χ^2 /NDF: 1600401.1/22

+ sign 261.219 $\pm$ 0.033 χ^2 /NDF: 5989742.2/51

All: 248.292 $\pm$ 0.023 χ^2 /NDF: 14983154.3/10

- sign 237.356 $\pm$ 0.031 χ^2 /NDF: 8717383.5/54

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.061 χ^2/NDF : 25.8/26

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.062 ± 0.053 χ^2/NDF : 38.6/31

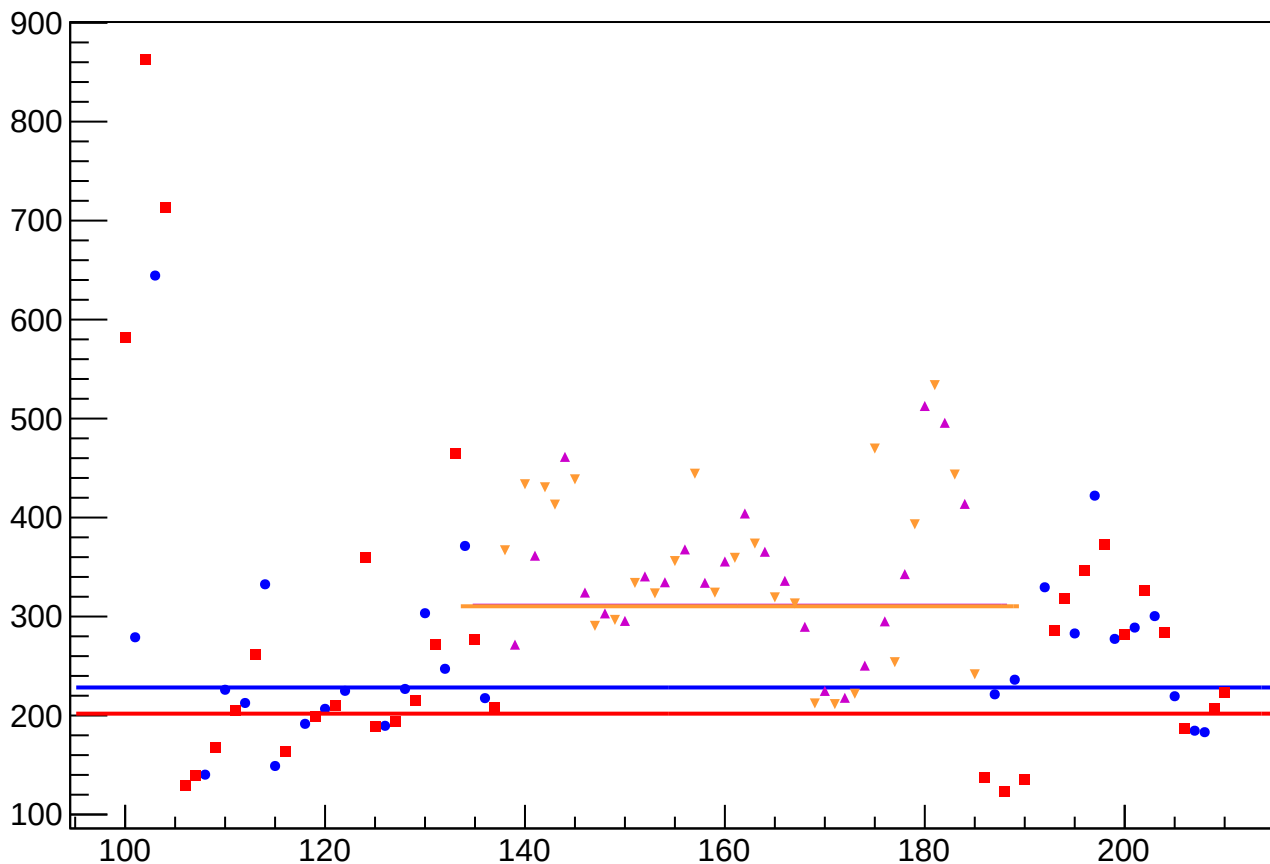
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign 0.010 ± 0.047 χ^2/NDF : 51.2/51

All: -0.000 ± 0.032 χ^2/NDF : 125.3/106

- sign -0.009 ± 0.043 χ^2/NDF : 74.0/54

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 228.333 ± 0.043 $\chi^2/\text{NDF}: 2180507.9/26$

Left Out: 310.362 ± 0.053 $\chi^2/\text{NDF}: 2363148.8/24$

Right Out: 201.882 ± 0.037 $\chi^2/\text{NDF}: 4355266.9/31$

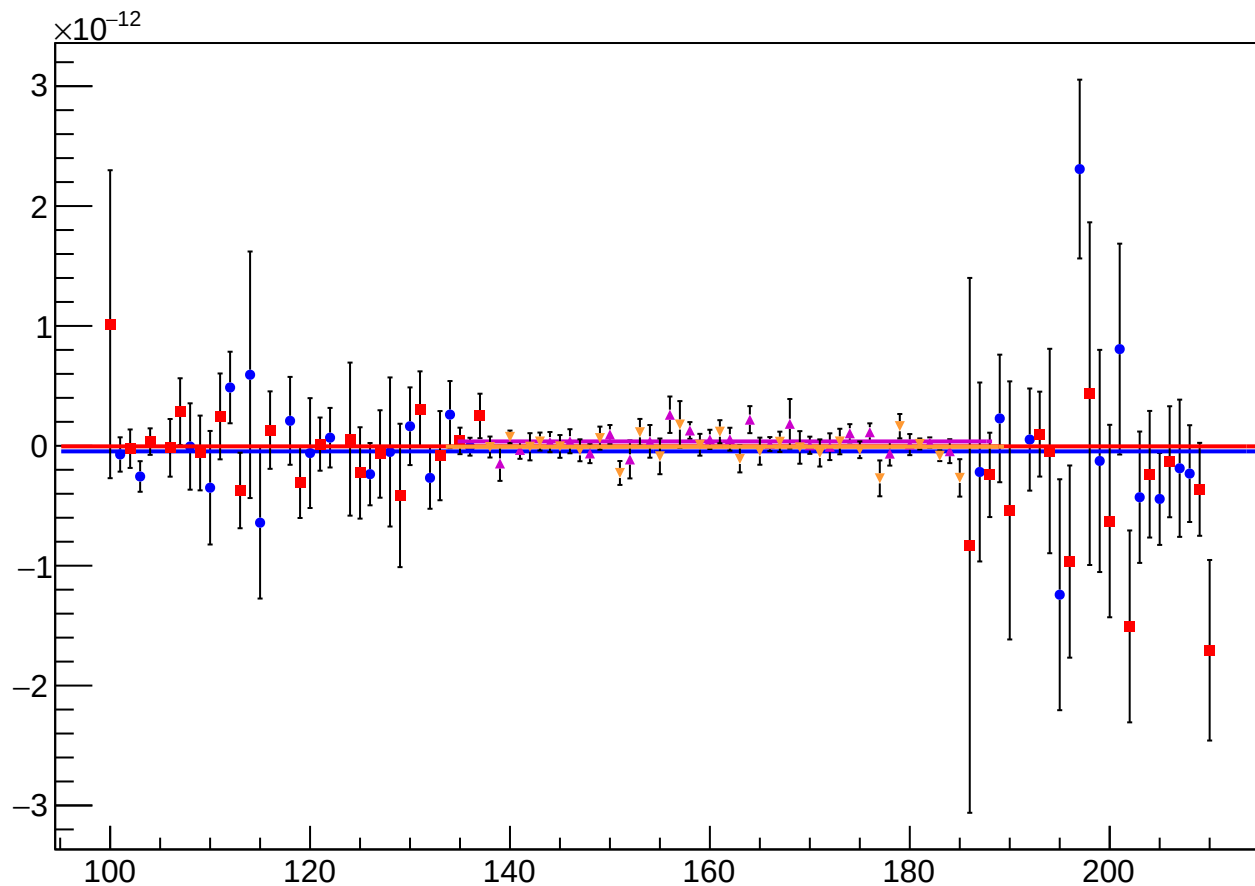
Left In: 310.963 ± 0.054 $\chi^2/\text{NDF}: 1600401.1/22$

+ sign 261.219 ± 0.033 $\chi^2/\text{NDF}: 5989742.2/51$

All: 248.292 ± 0.023 $\chi^2/\text{NDF}: 14983154.3/10$

- sign 237.356 ± 0.031 $\chi^2/\text{NDF}: 8717383.5/54$

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 26.1/26

Left Out: -0.000+/-0.000 χ^2/NDF : 25.8/24

Right Out: -0.000+/-0.000 χ^2/NDF : 21.6/31

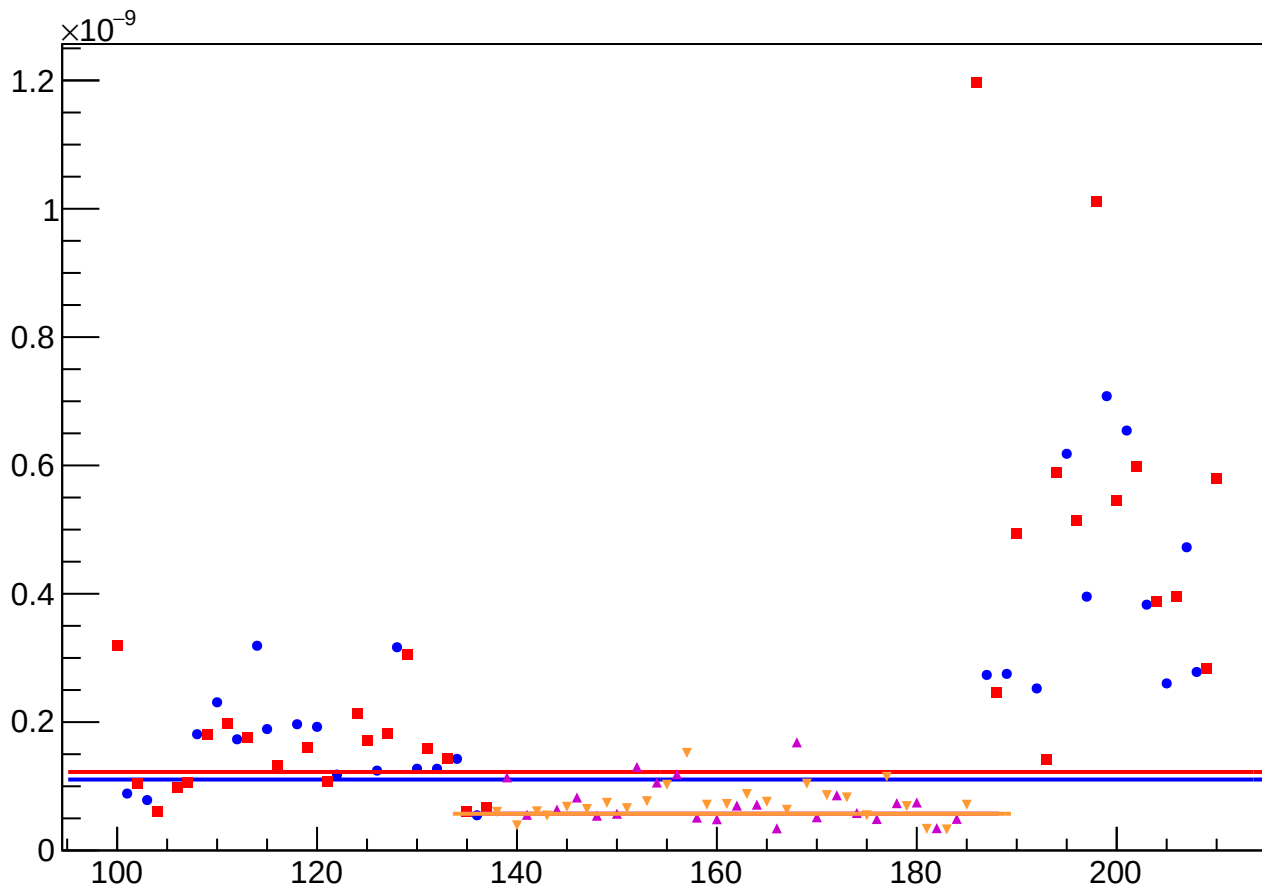
Left In: 0.000+/-0.000 χ^2/NDF : 16.7/22

+ sign -0.000+/-0.000 χ^2/NDF : 52.5/51

All: 0.000+/-0.000 χ^2/NDF : 95.1/106

- sign 0.000+/-0.000 χ^2/NDF : 39.0/54

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7039980.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3337849.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8484633.8/31

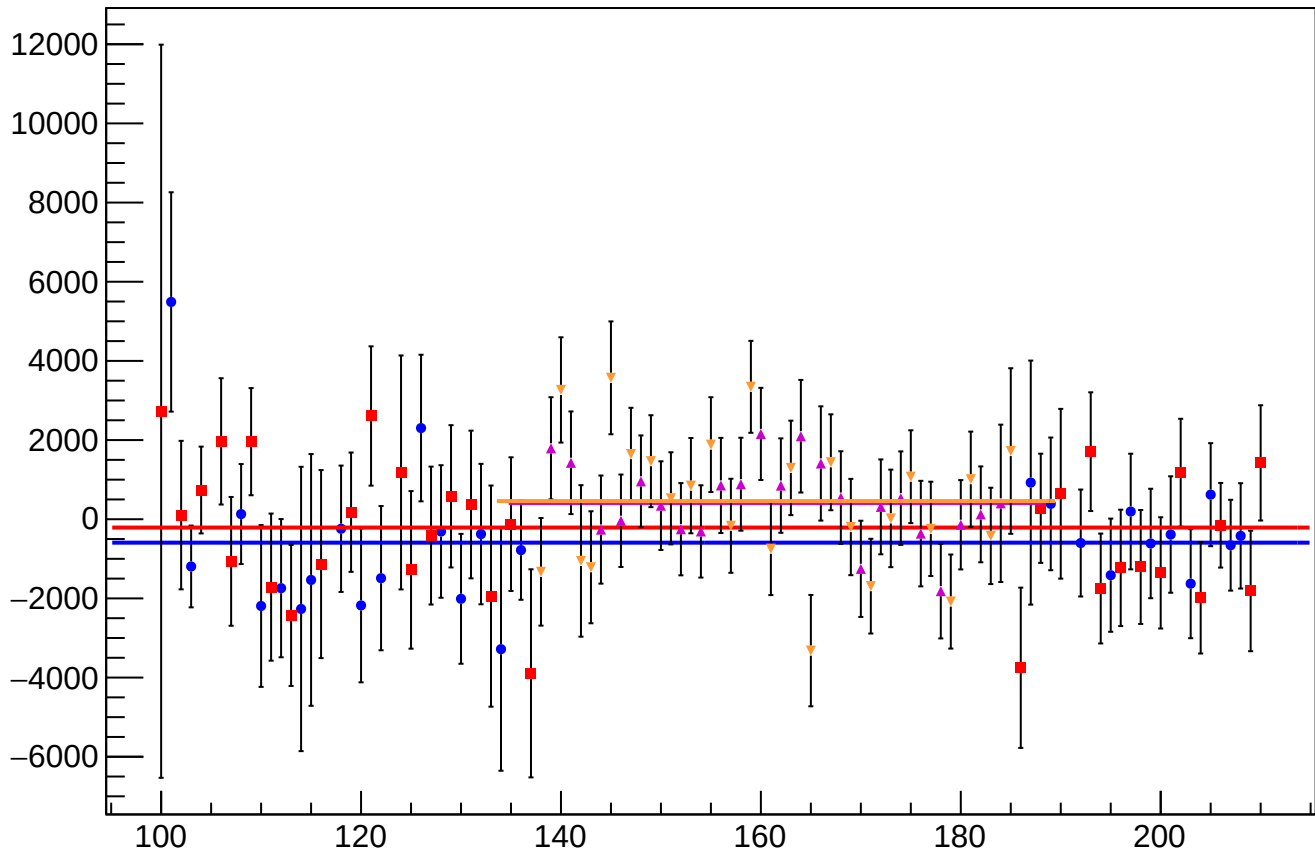
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3299416.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12578023.5/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 27437470.4/106

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14852384.3/54

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -591.731 ± 303.312 χ^2/NDF : 14.5/26

Left Out: 458.782 ± 251.538 χ^2/NDF : 42.1/24

Right Out: -210.158 ± 287.100 χ^2/NDF : 26.6/31

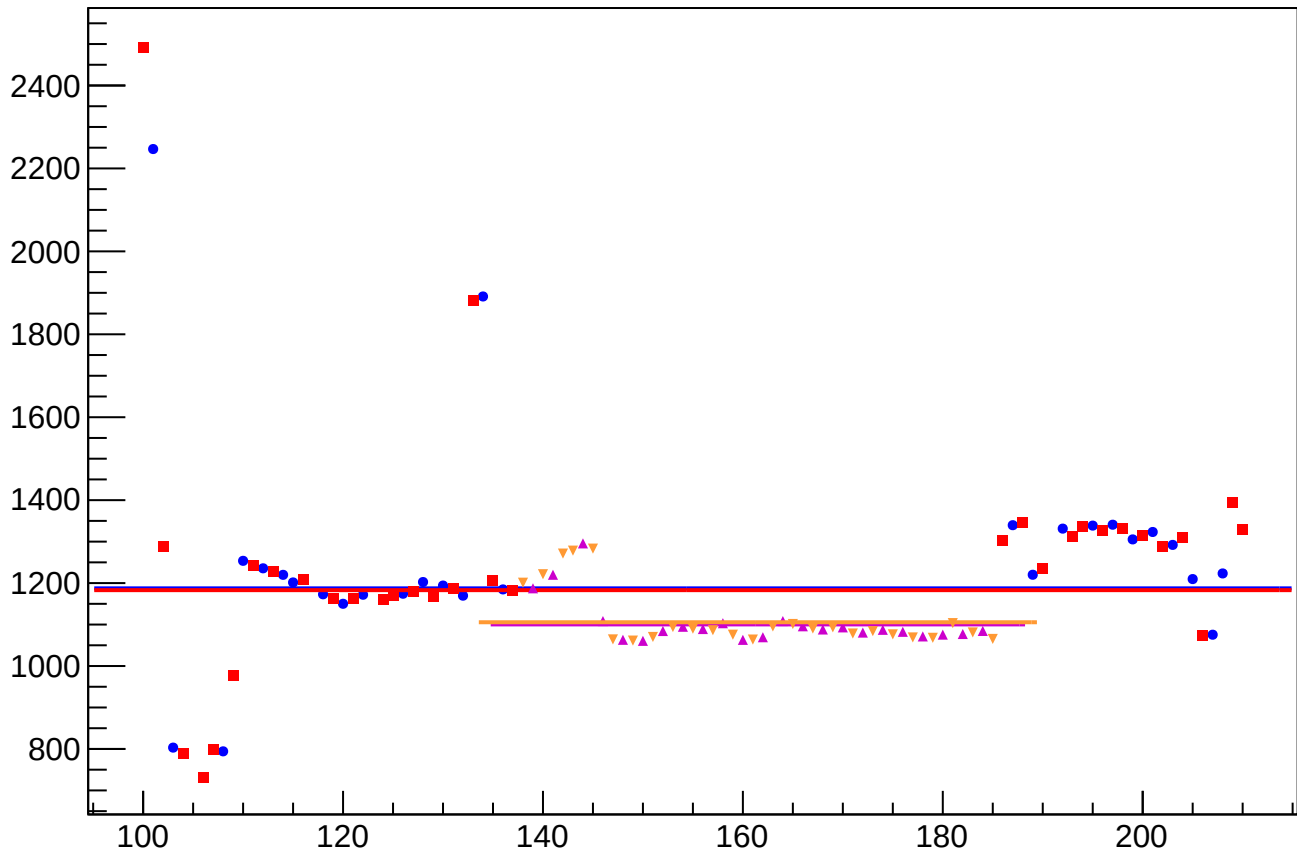
Left In: 411.262 ± 257.201 χ^2/NDF : 13.7/22

+ sign 30.704 ± 193.620 χ^2/NDF : 63.7/51

All: 83.197 ± 136.179 χ^2/NDF : 106.6/106

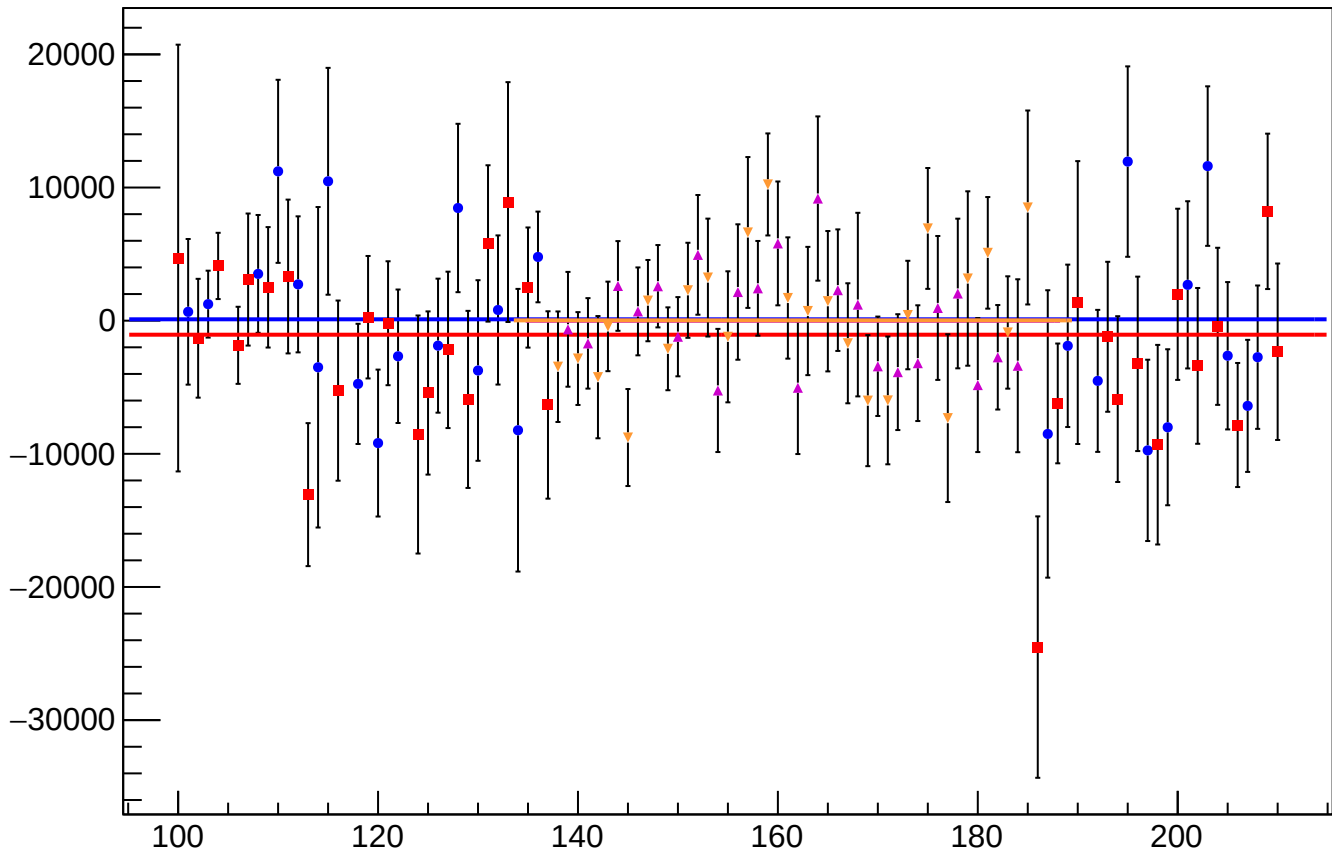
- sign 134.585 ± 191.570 χ^2/NDF : 42.8/54

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.290+/-0.214	χ^2/NDF : 1010063.4/26	+ sign 1138.858+/-0.137	χ^2/NDF : 1218078.0/51
Left Out: 1105.549+/-0.178	χ^2/NDF : 121950.0/24	All: 1138.072+/-0.096	χ^2/NDF : 2423241.5/10
Right Out: 1182.980+/-0.202	χ^2/NDF : 1032536.6/31	- sign 1137.306+/-0.135	χ^2/NDF : 1205098.4/54
Left In: 1100.350+/-0.182	χ^2/NDF : 80240.5/22		

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 103.371 $\pm$ 1020.634 χ^2 /NDF: 28.7/26

Left Out: 23.368 $\pm$ 850.404 χ^2 /NDF:28.5/24

Right Out: -1053.377 $\pm$ 931.128 χ^2 /NDF: 31.5/31

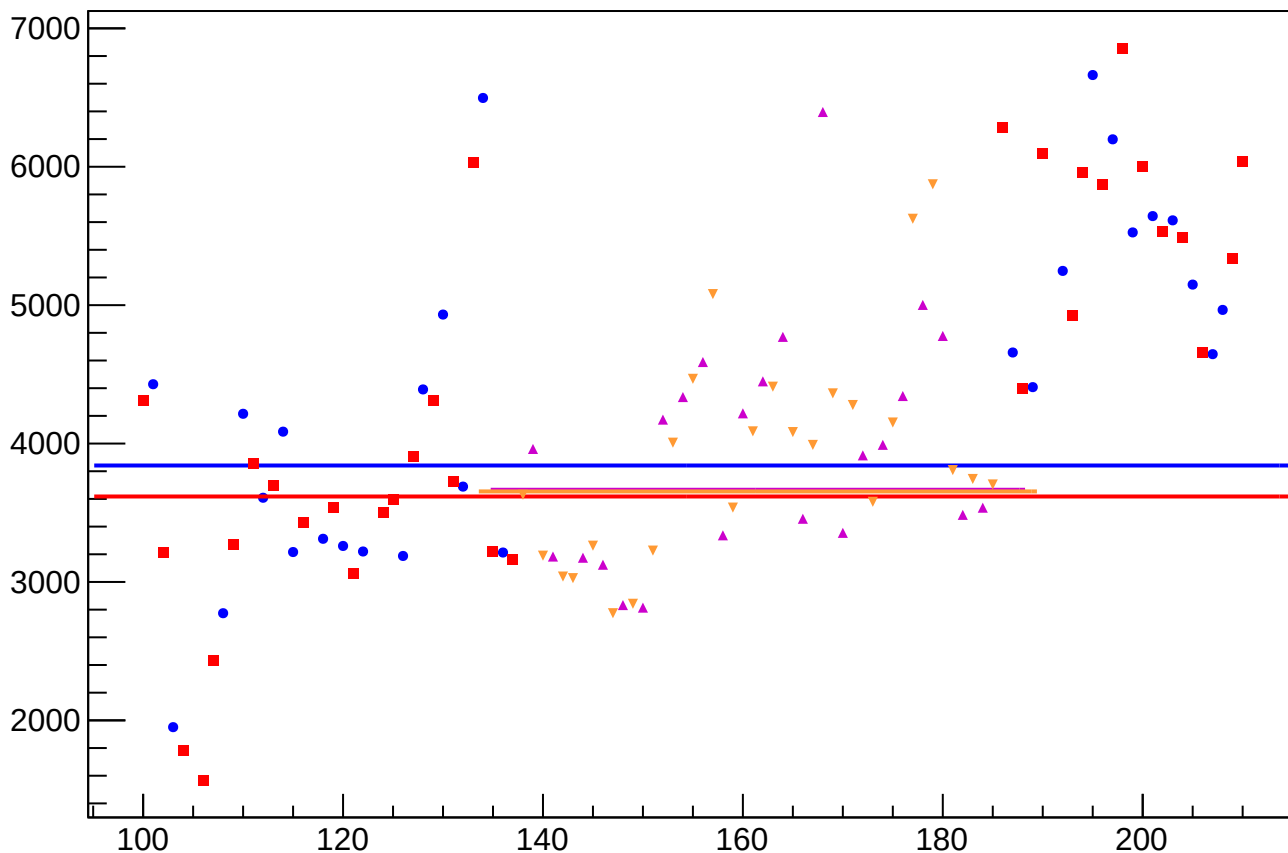
Left In: -6.317 $\pm$ 875.256 χ^2 /NDF:14.0/22

+ sign 56.150 $\pm$ 653.338 χ^2 /NDF: 57.1/51

All: -227.359 $\pm$ 456.364 χ^2 /NDF: 103.7/106

- sign -497.492 $\pm$ 637.737 χ^2 /NDF: 46.2/54

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3841.453 $\pm$ 0.722 χ^2/NDF : 3144407.0/26

Left Out: 3654.198 $\pm$ 0.601 χ^2/NDF : 1311761.6/24

Right Out: 3617.532 $\pm$ 0.658 χ^2/NDF : 5016678.6/31

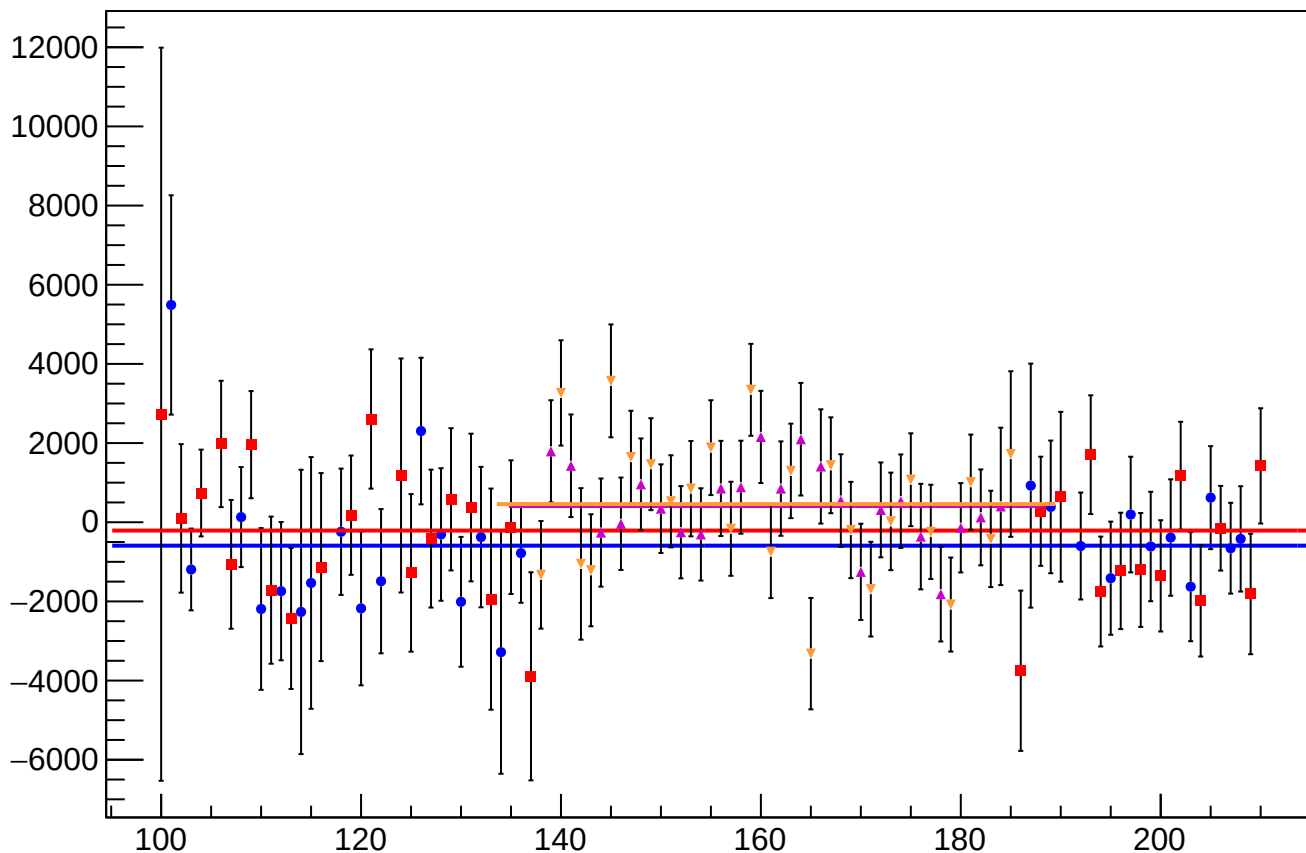
Left In: 3666.118 $\pm$ 0.619 χ^2/NDF : 1343709.3/22

+ sign 3730.928 $\pm$ 0.462 χ^2/NDF : 4495904.6/51

All: 3686.069 $\pm$ 0.323 χ^2/NDF : 10877596.4/100

- sign 3643.326 $\pm$ 0.451 χ^2/NDF : 6363278.9/54

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -591.769 ± 303.312 $\chi^2/\text{NDF}: 14.5/26$

Left Out: 458.844 ± 251.538 $\chi^2/\text{NDF}: 42.1/24$

Right Out: -210.003 ± 287.102 $\chi^2/\text{NDF}: 26.6/31$

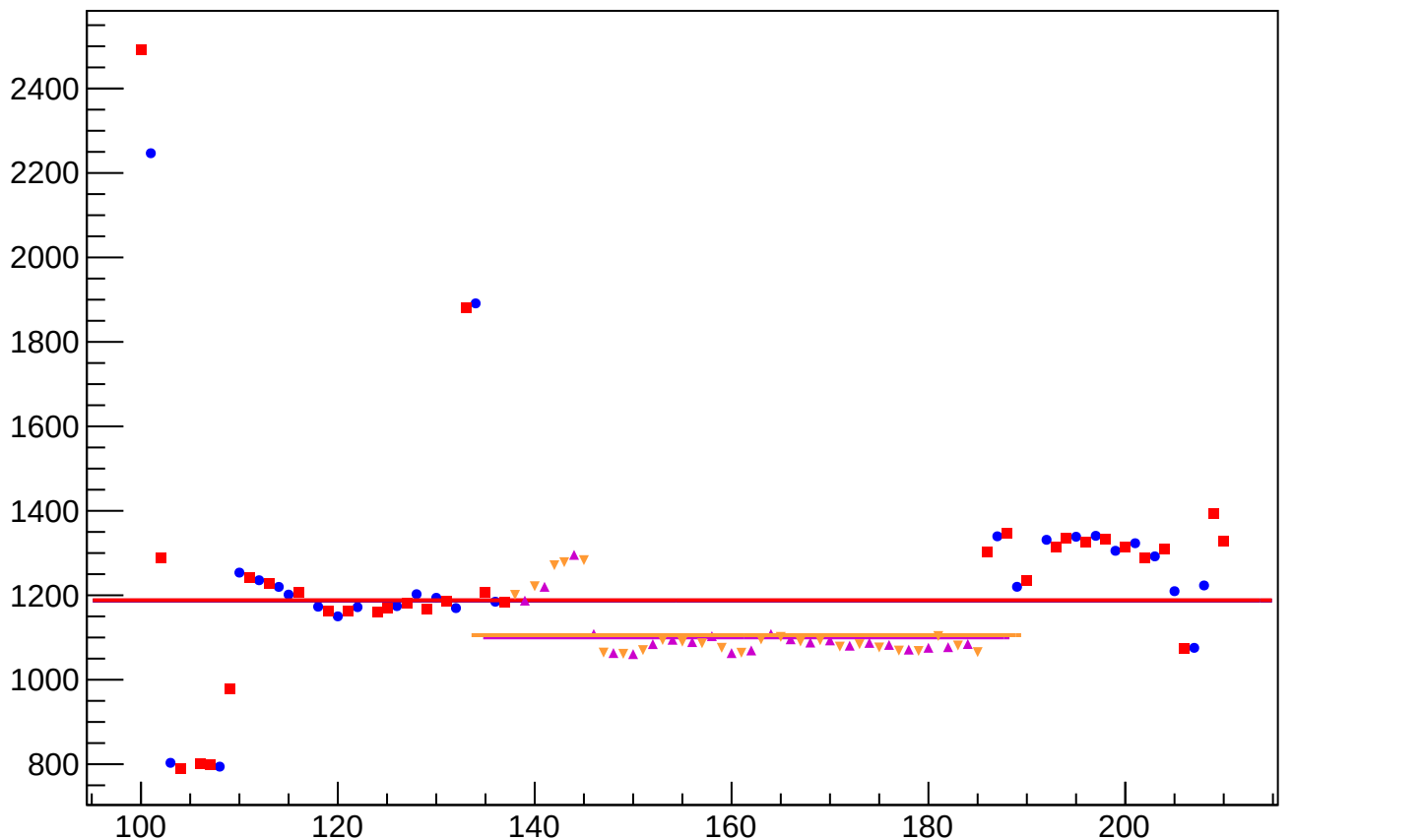
Left In: 411.165 ± 257.201 $\chi^2/\text{NDF}: 13.7/22$

+ sign 30.726 ± 193.620 $\chi^2/\text{NDF}: 63.7/51$

All: 83.216 ± 136.180 $\chi^2/\text{NDF}: 106.7/106$

- sign 134.601 ± 191.570 $\chi^2/\text{NDF}: 42.8/54$

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.290+/-0.214 χ^2/NDF : 1010058.9/26

Left Out: 1105.549+/-0.178 χ^2/NDF : 121950.0/24

Right Out: 1188.187+/-0.203 χ^2/NDF : 952659.7/31

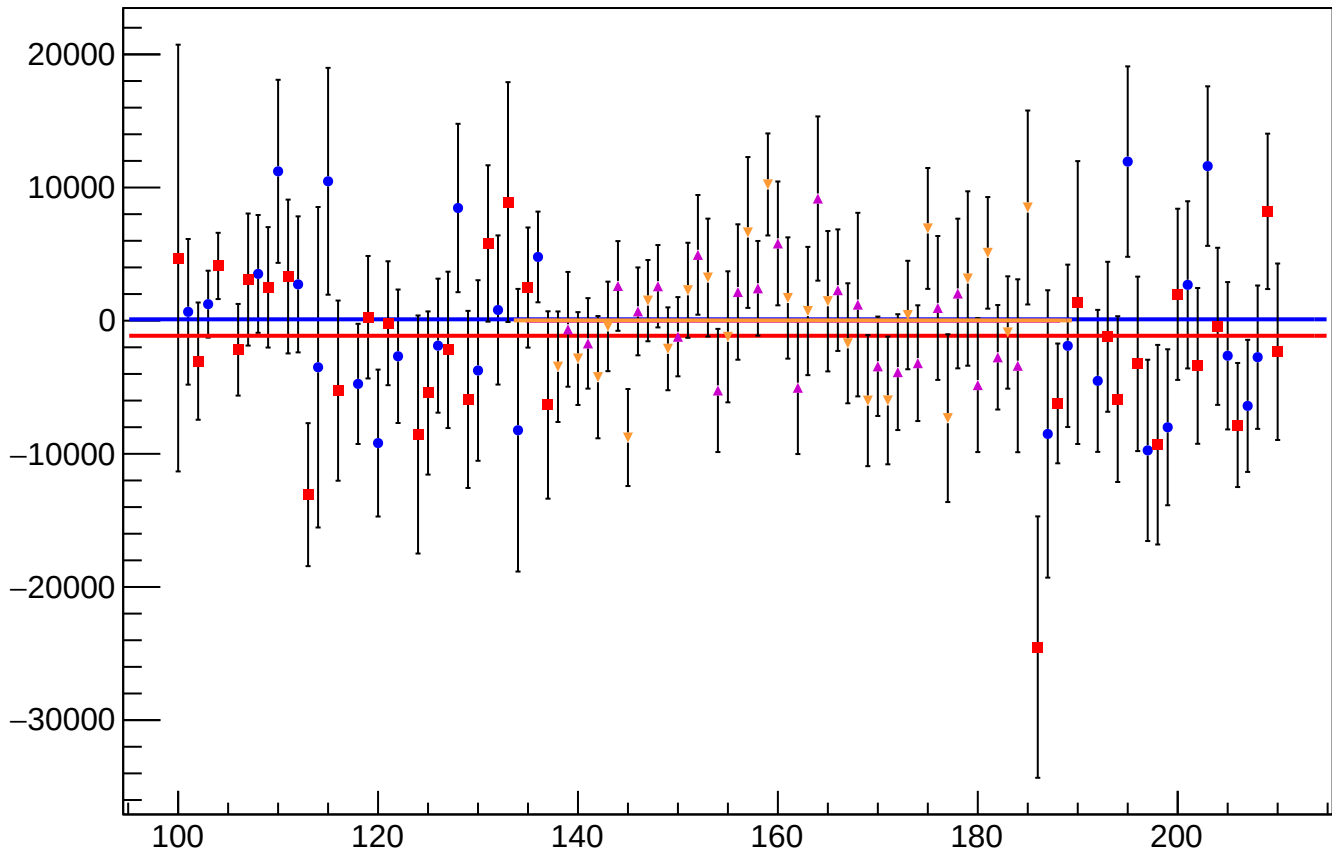
Left In: 1100.350+/-0.182 χ^2/NDF : 80240.5/22

+ sign 1138.858+/-0.137 χ^2/NDF : 1218074.2/51

All: 1139.182+/-0.096 χ^2/NDF : 2354948.3/10

- sign 1139.499+/-0.135 χ^2/NDF : 1136863.1/54

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 102.939 ± 1020.662 $\chi^2/\text{NDF}: 28.7/26$

Left Out: 23.365 ± 850.403 $\chi^2/\text{NDF}: 28.5/24$

Right Out: -1133.353 ± 945.008 $\chi^2/\text{NDF}: 31.8/31$

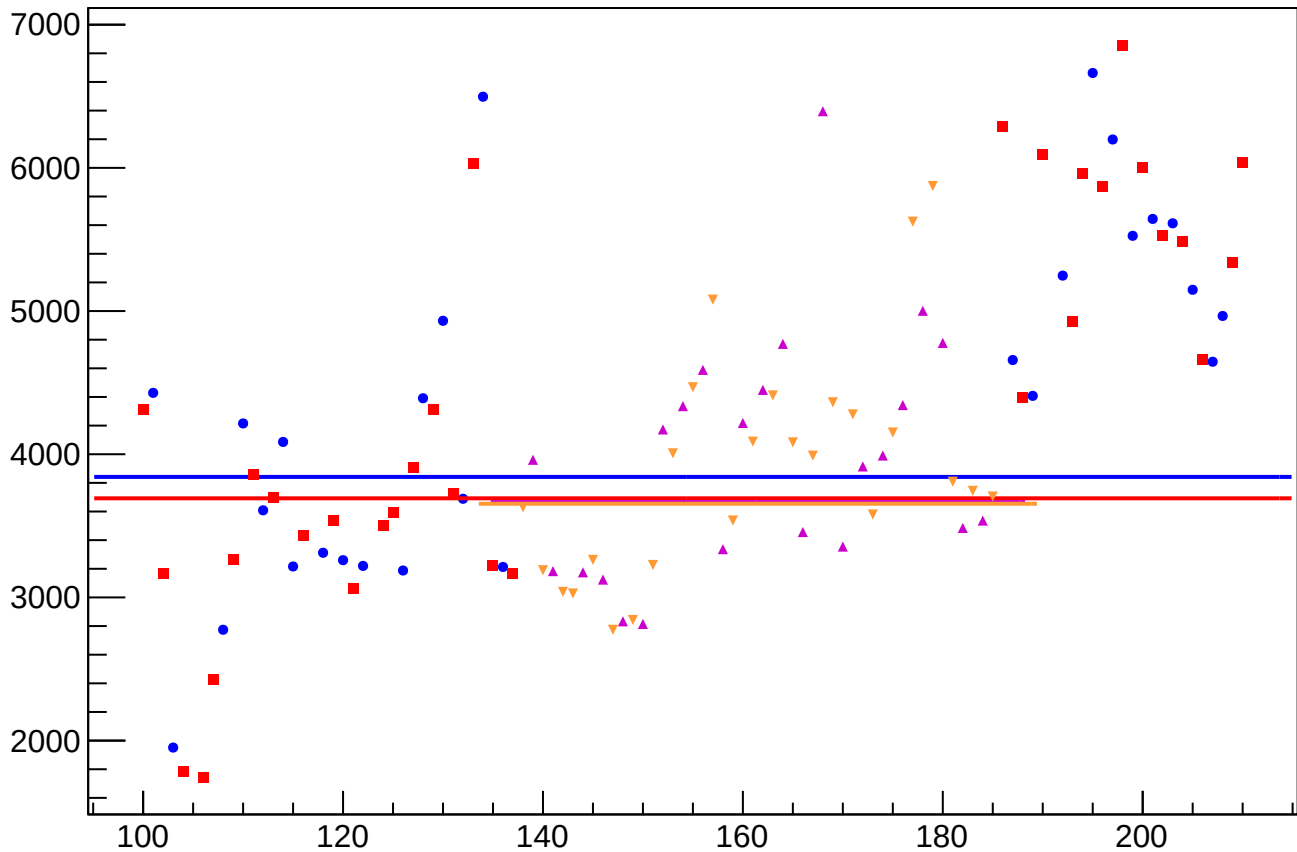
Left In: -6.368 ± 875.255 $\chi^2/\text{NDF}: 14.0/22$

+ sign 55.970 ± 653.345 $\chi^2/\text{NDF}: 57.1/51$

All: -240.422 ± 457.973 $\chi^2/\text{NDF}: 104.1/106$

- sign -526.738 ± 642.144 $\chi^2/\text{NDF}: 46.6/54$

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3841.616 $\pm$ 0.722 χ^2/NDF : 3143595.2/26

Left Out: 3654.195 $\pm$ 0.601 χ^2/NDF :1311769.4/24

Right Out: 3692.145 $\pm$ 0.668 χ^2/NDF : 4596981.6/31

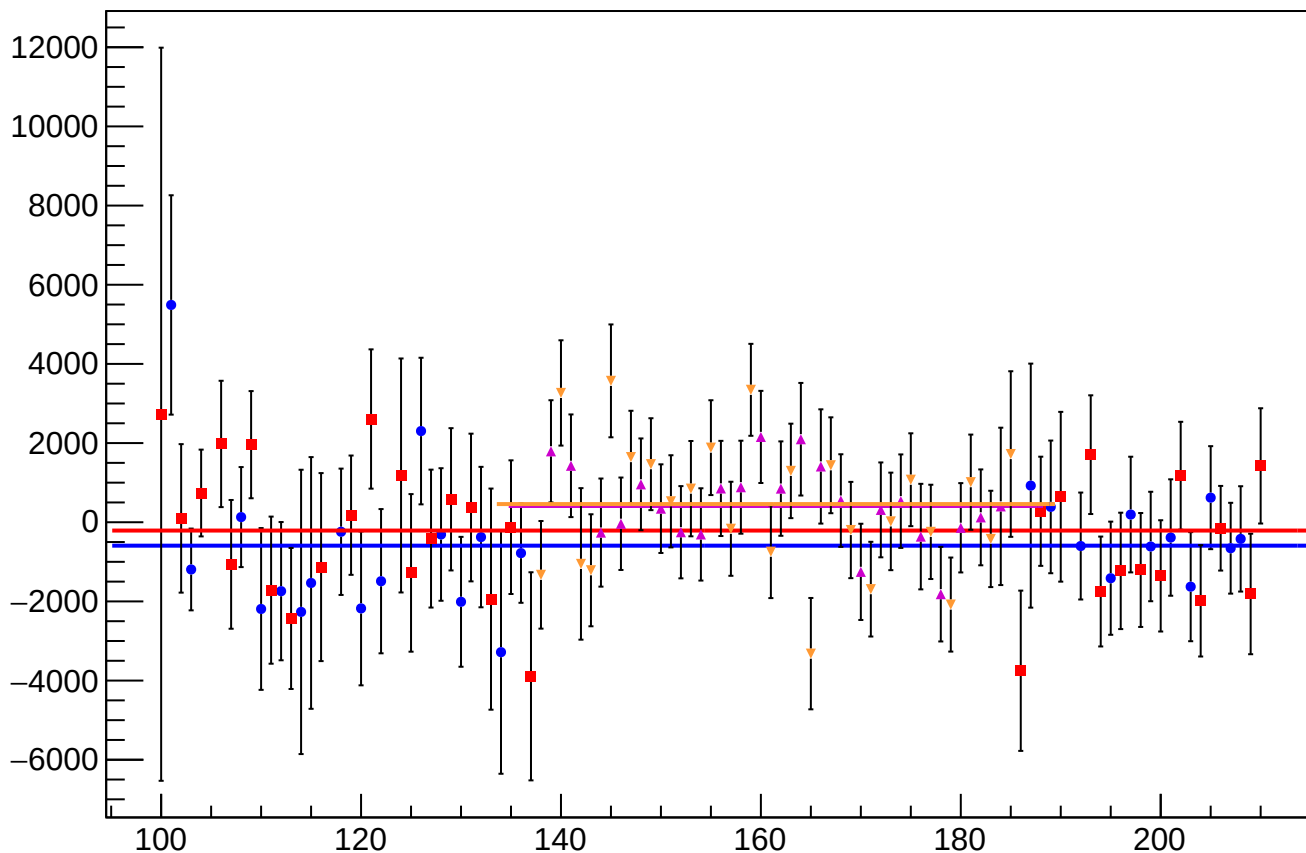
Left In: 3666.114 $\pm$ 0.619 χ^2/NDF :1343711.6/22

+ sign 3730.991 $\pm$ 0.462 χ^2/NDF : 4495169.3/51

All: 3704.105 $\pm$ 0.324 χ^2/NDF : 10443337.7/100

- sign 3678.133 $\pm$ 0.454 χ^2/NDF : 5941510.0/54

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -591.769 ± 303.312 $\chi^2/\text{NDF}: 14.5/26$

Left Out: 458.844 ± 251.538 $\chi^2/\text{NDF}: 42.1/24$

Right Out: -210.003 ± 287.102 $\chi^2/\text{NDF}: 26.6/31$

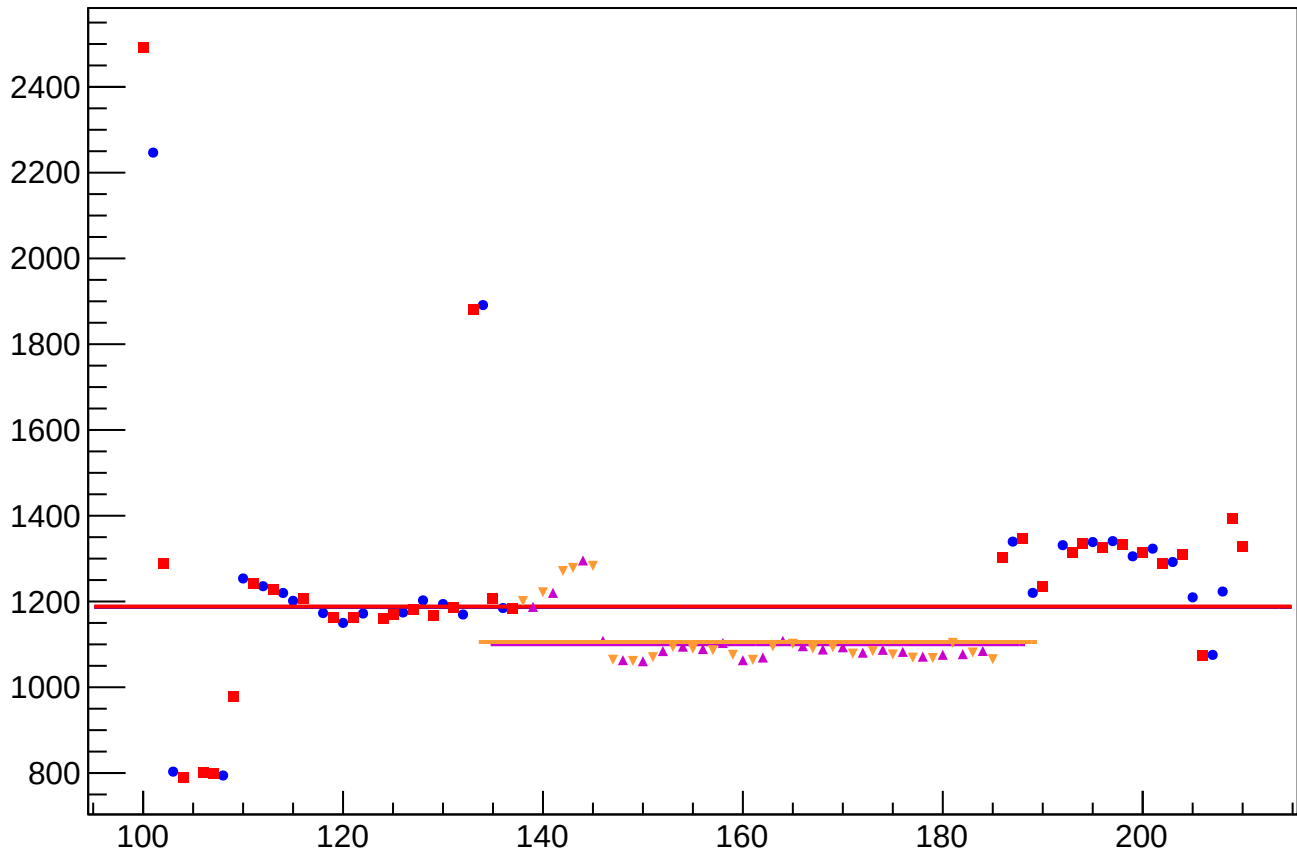
Left In: 411.165 ± 257.201 $\chi^2/\text{NDF}: 13.7/22$

+ sign 30.726 ± 193.620 $\chi^2/\text{NDF}: 63.7/51$

All: 83.216 ± 136.180 $\chi^2/\text{NDF}: 106.7/106$

- sign 134.601 ± 191.570 $\chi^2/\text{NDF}: 42.8/54$

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.290 $\pm$ 0.214 χ^2 /NDF: 1010058.9/26

Left Out: 1105.549 $\pm$ 0.178 χ^2 /NDF:121950.0/24

Right Out: 1188.187 $\pm$ 0.203 χ^2 /NDF: 952659.7/31

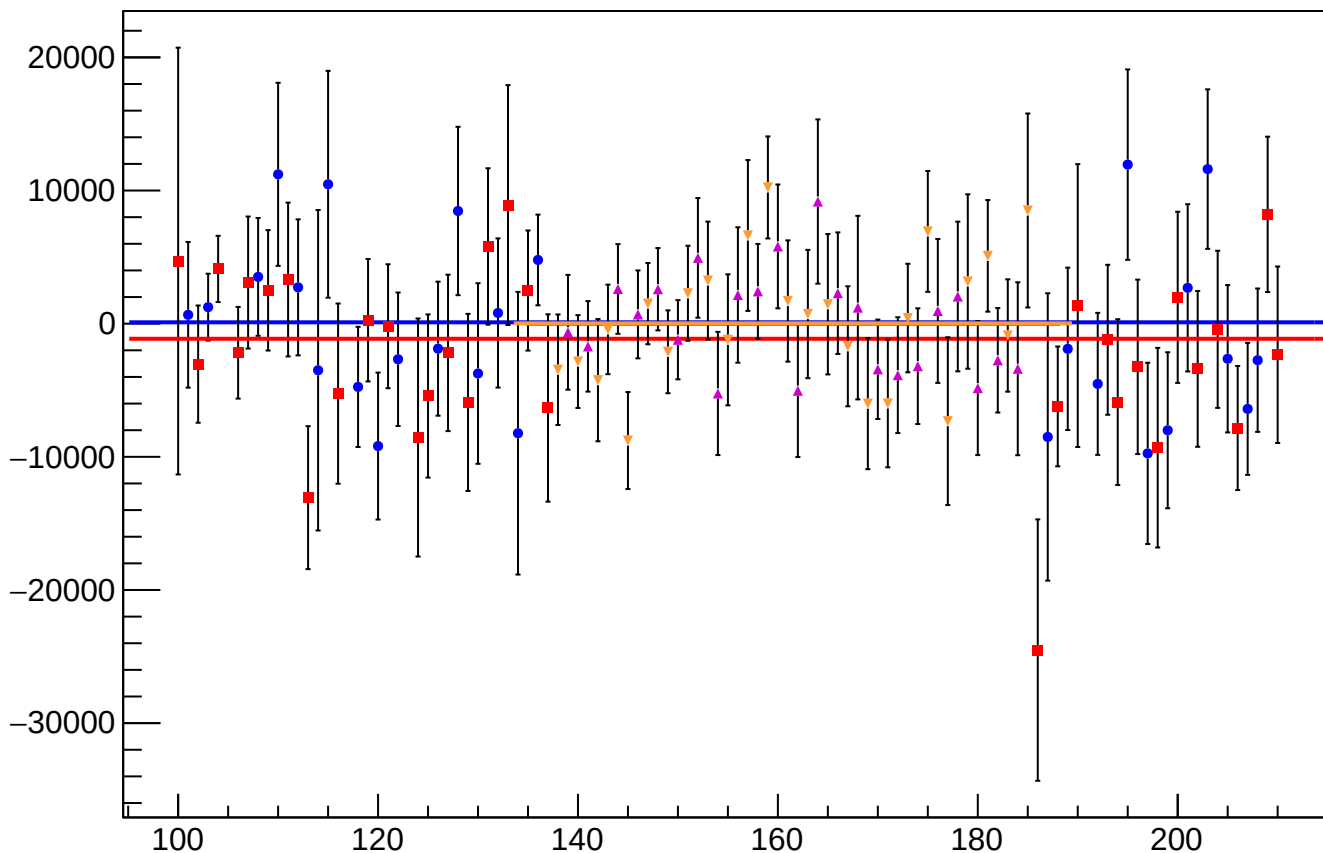
Left In: 1100.350 $\pm$ 0.182 χ^2 /NDF:80240.5/22

+ sign 1138.858 $\pm$ 0.137 χ^2 /NDF: 1218074.2/51

All: 1139.182 $\pm$ 0.096 χ^2 /NDF: 2354948.3/10

- sign 1139.499 $\pm$ 0.135 χ^2 /NDF: 1136863.1/54

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug



Right In: 102.939+/-1020.662 χ^2/NDF : 28.7/26

Left Out: 23.365+/-850.403 χ^2/NDF : 28.5/24

Right Out: -1133.353+/-945.008 χ^2/NDF : 31.8/31

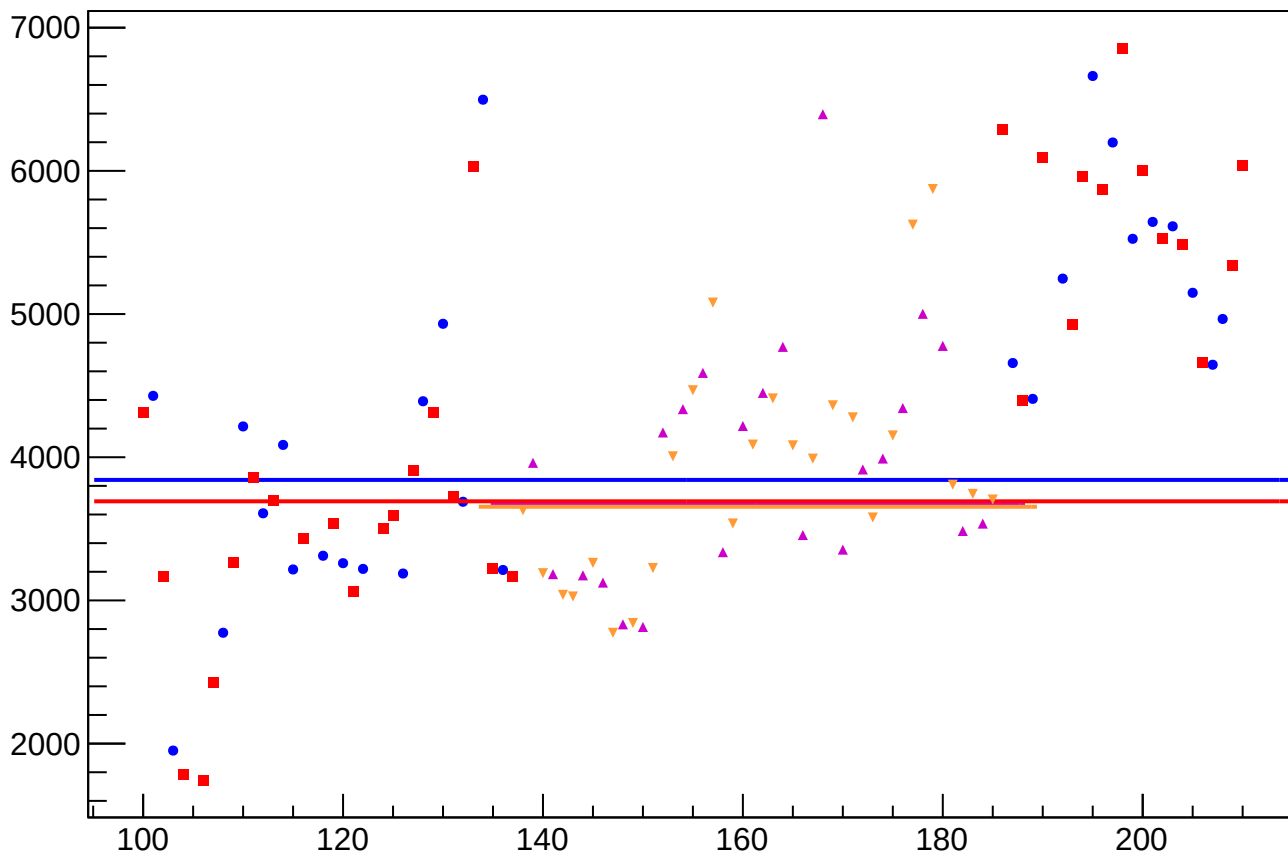
Left In: -6.368+/-875.255 χ^2/NDF : 14.0/22

+ sign 55.970+/-653.345 χ^2/NDF : 57.1/51

All: -240.422+/-457.973 χ^2/NDF : 104.1/106

- sign -526.738+/-642.144 χ^2/NDF : 46.6/54

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3841.616 $\pm$ 0.722 χ^2 /NDF: 3143595.2/26

Left Out: 3654.195 $\pm$ 0.601 χ^2 /NDF:1311769.4/24

Right Out: 3692.145 $\pm$ 0.668 χ^2 /NDF: 4596981.6/31

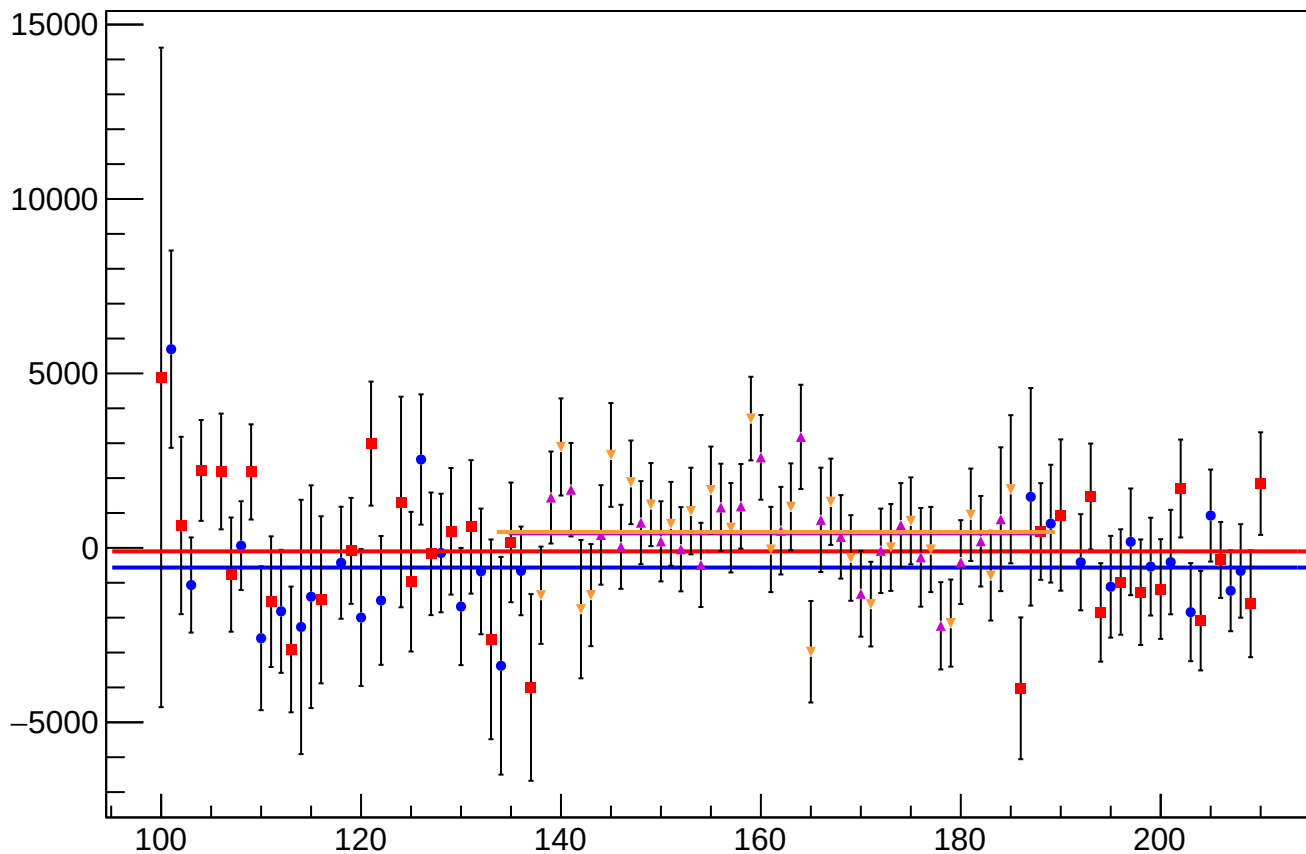
Left In: 3666.114 $\pm$ 0.619 χ^2 /NDF:1343711.6/22

+ sign 3730.991 $\pm$ 0.462 χ^2 /NDF: 4495169.3/51

All: 3704.105 $\pm$ 0.324 χ^2 /NDF: 10443337.7/104

- sign 3678.133 $\pm$ 0.454 χ^2 /NDF: 5941510.0/54

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -563.914 ± 313.305 χ^2/NDF : 15.7/26

Left Out: 455.711 ± 261.005 χ^2/NDF : 36.1/24

Right Out: -99.599 ± 297.346 χ^2/NDF : 32.3/31

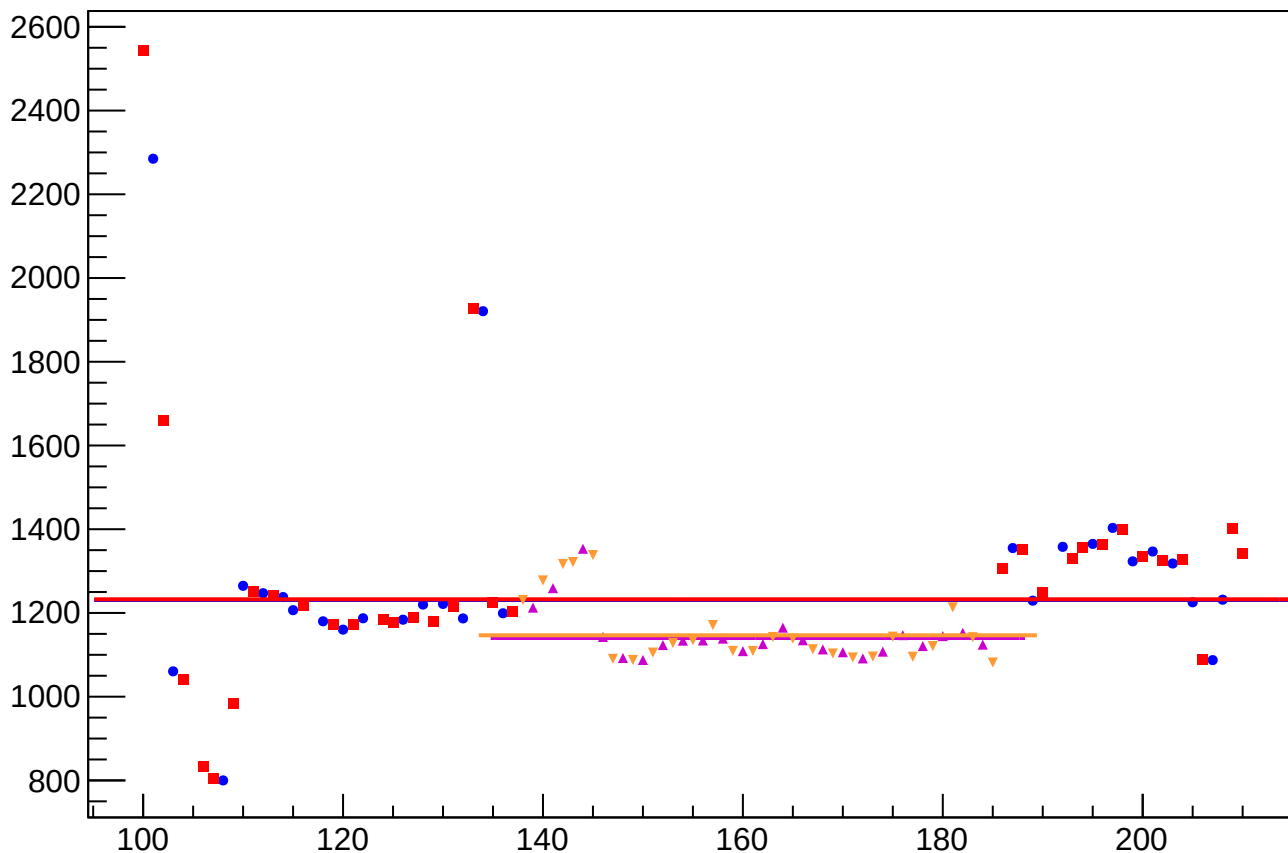
Left In: 417.202 ± 266.582 χ^2/NDF : 17.3/22

+ sign 37.986 ± 200.536 χ^2/NDF : 58.1/51

All: 113.212 ± 141.071 χ^2/NDF : 109.8/106

- sign 186.911 ± 198.490 χ^2/NDF : 51.3/54

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1231.002 $\pm$ 0.222 χ^2 /NDF: 768180.9/26

Left Out: 1146.614 $\pm$ 0.185 χ^2 /NDF:141015.8/24

Right Out: 1232.584 $\pm$ 0.210 χ^2 /NDF: 759234.4/31

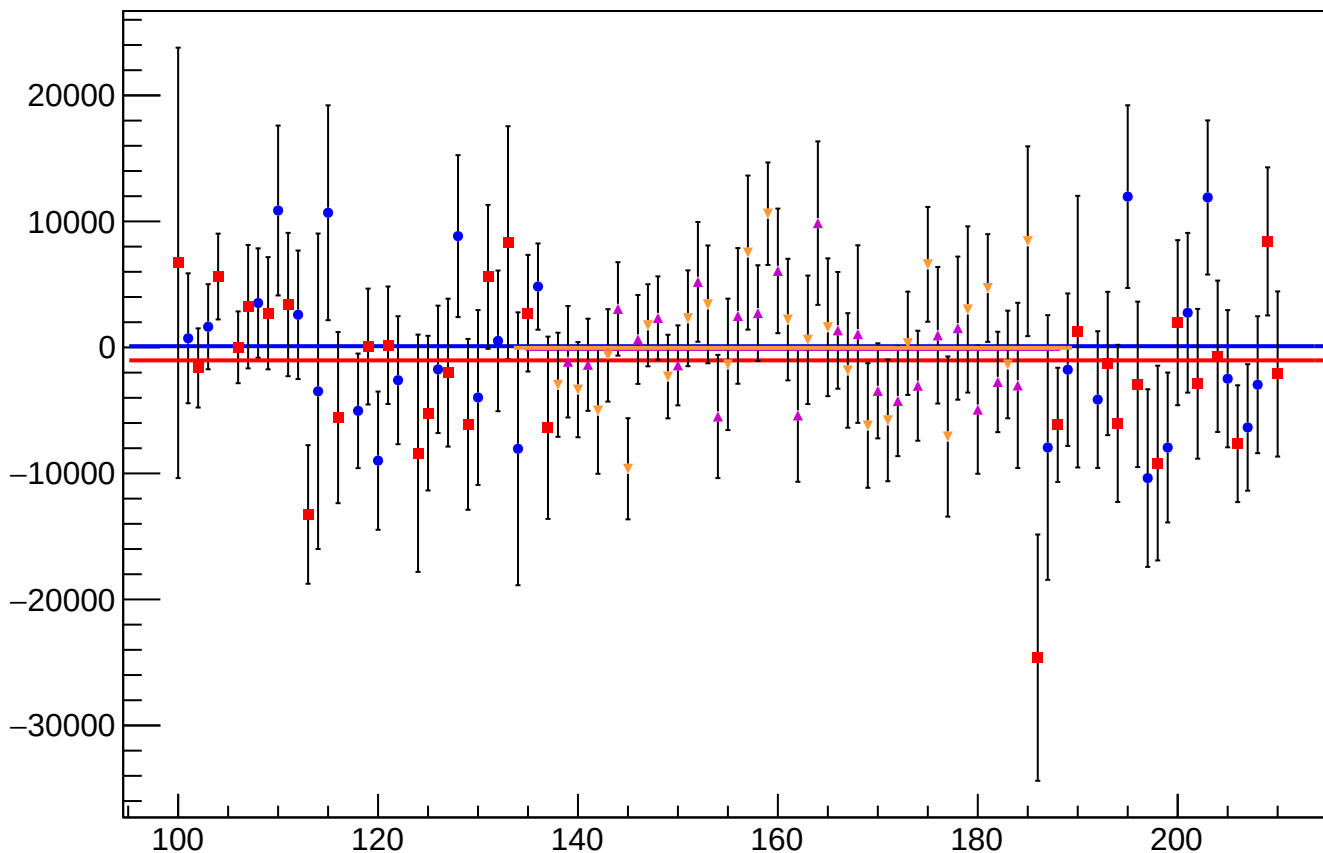
Left In: 1140.168 $\pm$ 0.189 χ^2 /NDF:84737.4/22

+ sign 1181.186 $\pm$ 0.142 χ^2 /NDF: 994849.5/51

All: 1181.273 $\pm$ 0.100 χ^2 /NDF: 1945952.7/10

- sign 1181.359 $\pm$ 0.140 χ^2 /NDF: 951102.5/54

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 96.964 $\pm$ 1062.273 χ^2 /NDF: 28.5/26

Left Out: -33.549 $\pm$ 891.370 χ^2 /NDF: 27.8/24

Right Out: -1027.477 $\pm$ 942.966 χ^2 /NDF: 31.0/31

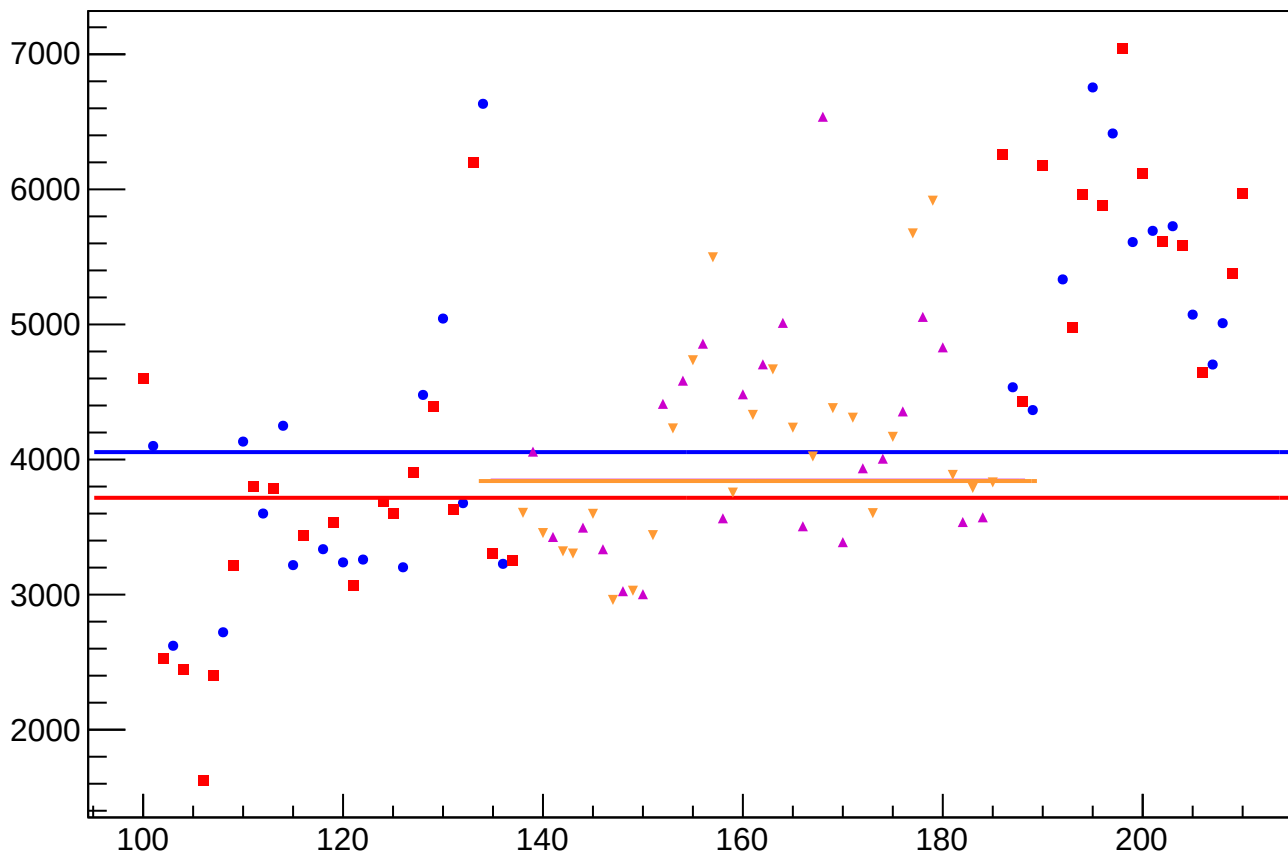
Left In: -121.051 $\pm$ 915.714 χ^2 /NDF: 13.8/22

+ sign 20.377 $\pm$ 682.824 χ^2 /NDF: 56.2/51

All: -281.531 $\pm$ 473.409 χ^2 /NDF: 101.8/106

- sign -560.977 $\pm$ 656.931 χ^2 /NDF: 45.2/54

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 4055.005 $\pm$ 0.751 χ^2 /NDF: 2280856.6/26

Left Out: 3840.830 $\pm$ 0.630 χ^2 /NDF: 1118666.6/24

Right Out: 3716.724 $\pm$ 0.667 χ^2 /NDF: 4438352.7/31

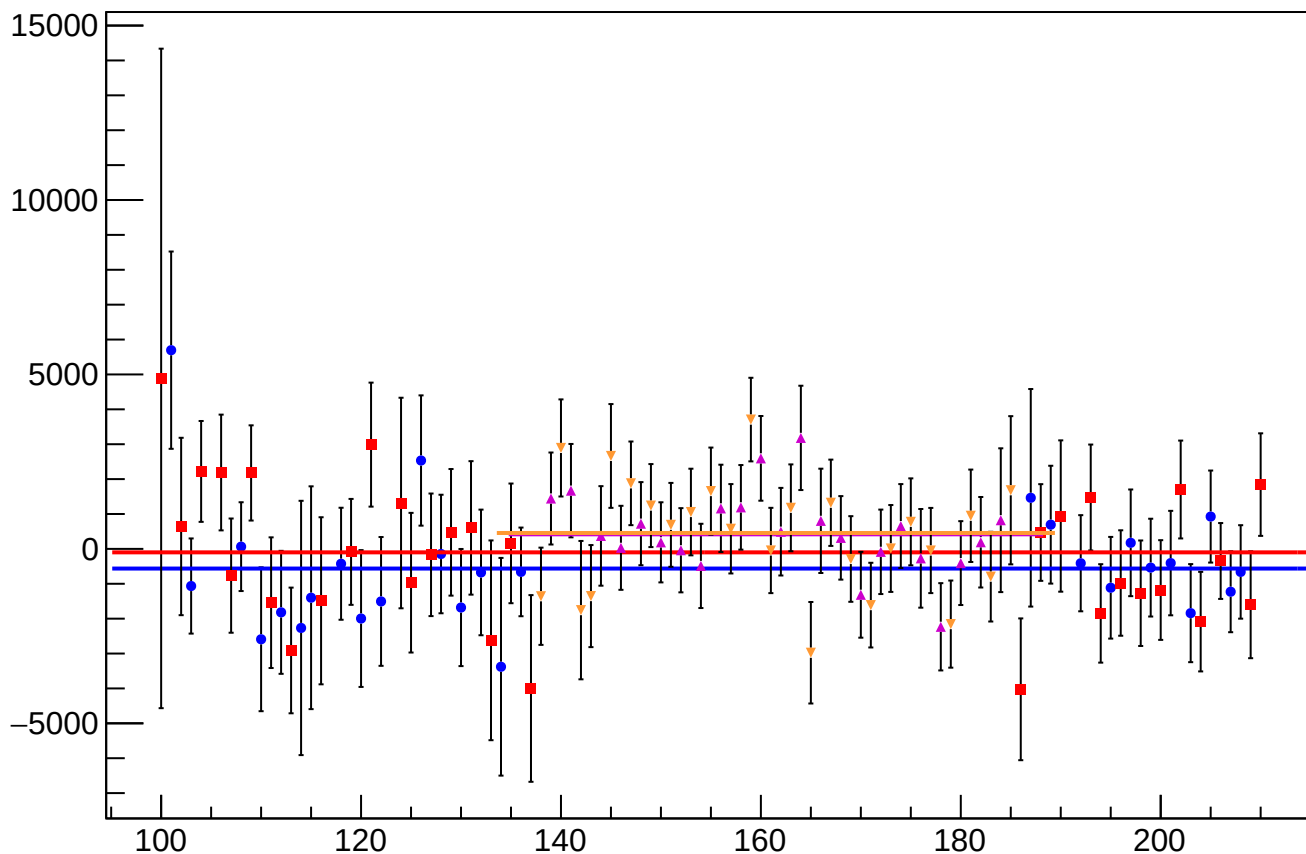
Left In: 3843.328 $\pm$ 0.648 χ^2 /NDF: 1196057.8/22

+ sign 3929.324 $\pm$ 0.483 χ^2 /NDF: 3447231.7/51

All: 3852.755 $\pm$ 0.335 χ^2 /NDF: 9148624.4/10

- sign 3781.882 $\pm$ 0.465 χ^2 /NDF: 5652965.2/54

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -563.913 ± 313.305 χ^2/NDF : 15.7/26

Left Out: 455.716 ± 261.006 χ^2/NDF : 36.1/24

Right Out: -99.597 ± 297.346 χ^2/NDF : 32.3/31

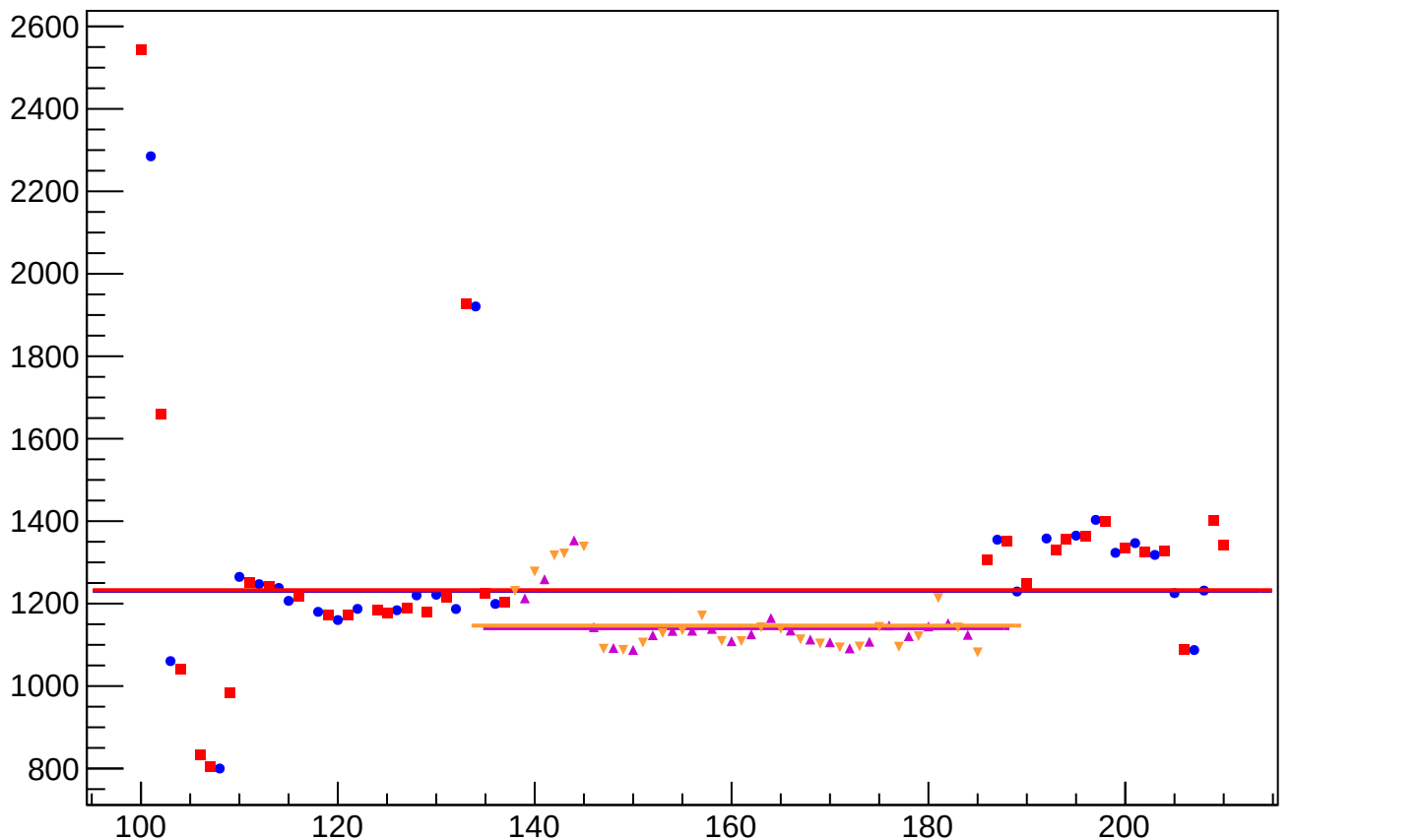
Left In: 417.201 ± 266.583 χ^2/NDF : 17.3/22

+ sign 37.989 ± 200.536 χ^2/NDF : 58.1/51

All: 113.213 ± 141.071 χ^2/NDF : 109.8/106

- sign 186.911 ± 198.490 χ^2/NDF : 51.3/54

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1231.001 $\pm$ 0.222 χ^2 /NDF: 768181.7/26

Left Out: 1146.614 $\pm$ 0.185 χ^2 /NDF: 141015.8/24

Right Out: 1232.584 $\pm$ 0.210 χ^2 /NDF: 759234.0/31

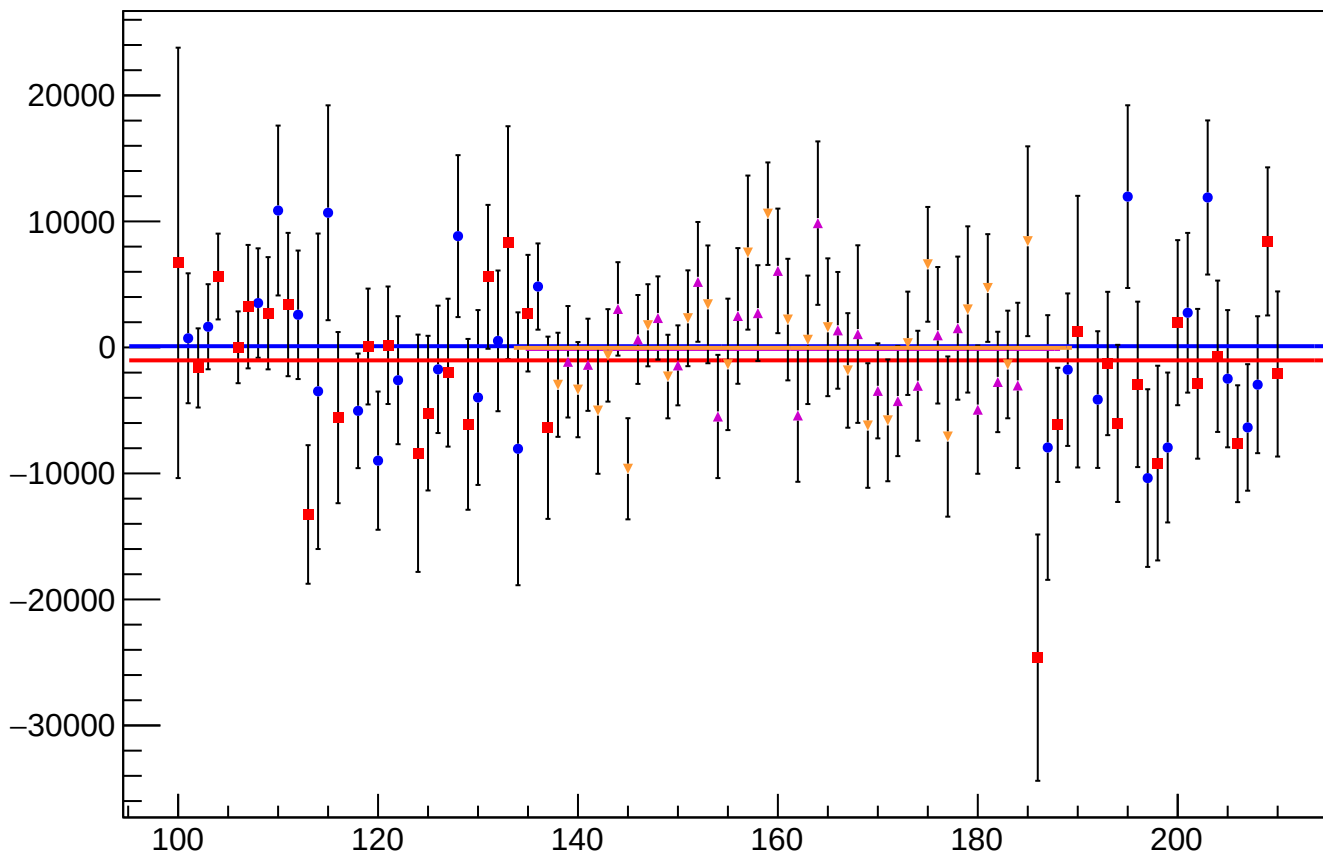
Left In: 1140.169 $\pm$ 0.189 χ^2 /NDF: 84737.2/22

+ sign 1181.186 $\pm$ 0.142 χ^2 /NDF: 994848.8/51

All: 1181.274 $\pm$ 0.100 χ^2 /NDF: 1945950.0/10

- sign 1181.359 $\pm$ 0.140 χ^2 /NDF: 951100.4/54

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug



Right In: 96.955 ± 1062.272 $\chi^2/\text{NDF}: 28.5/26$

Left Out: -33.548 ± 891.372 $\chi^2/\text{NDF}: 27.8/24$

Right Out: -1027.471 ± 942.965 $\chi^2/\text{NDF}: 31.0/31$

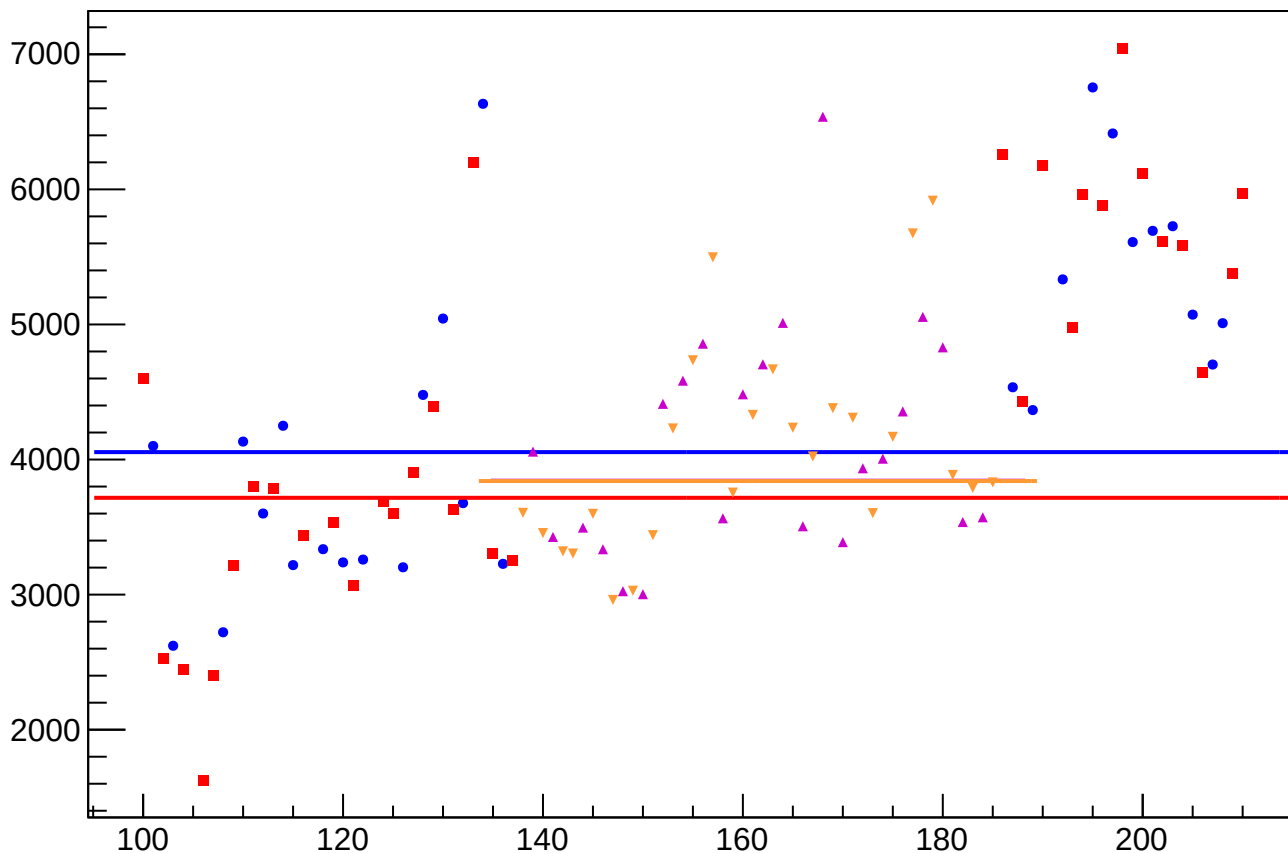
Left In: -121.054 ± 915.716 $\chi^2/\text{NDF}: 13.8/22$

+ sign 20.374 ± 682.824 $\chi^2/\text{NDF}: 56.2/51$

All: -281.533 ± 473.410 $\chi^2/\text{NDF}: 101.8/106$

- sign -560.977 ± 656.931 $\chi^2/\text{NDF}: 45.2/54$

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 4055.003 $\pm$ 0.751 χ^2 /NDF: 2280867.6/26

Left Out: 3840.836 $\pm$ 0.630 χ^2 /NDF: 1118668.2/24

Right Out: 3716.720 $\pm$ 0.667 χ^2 /NDF: 4438379.1/31

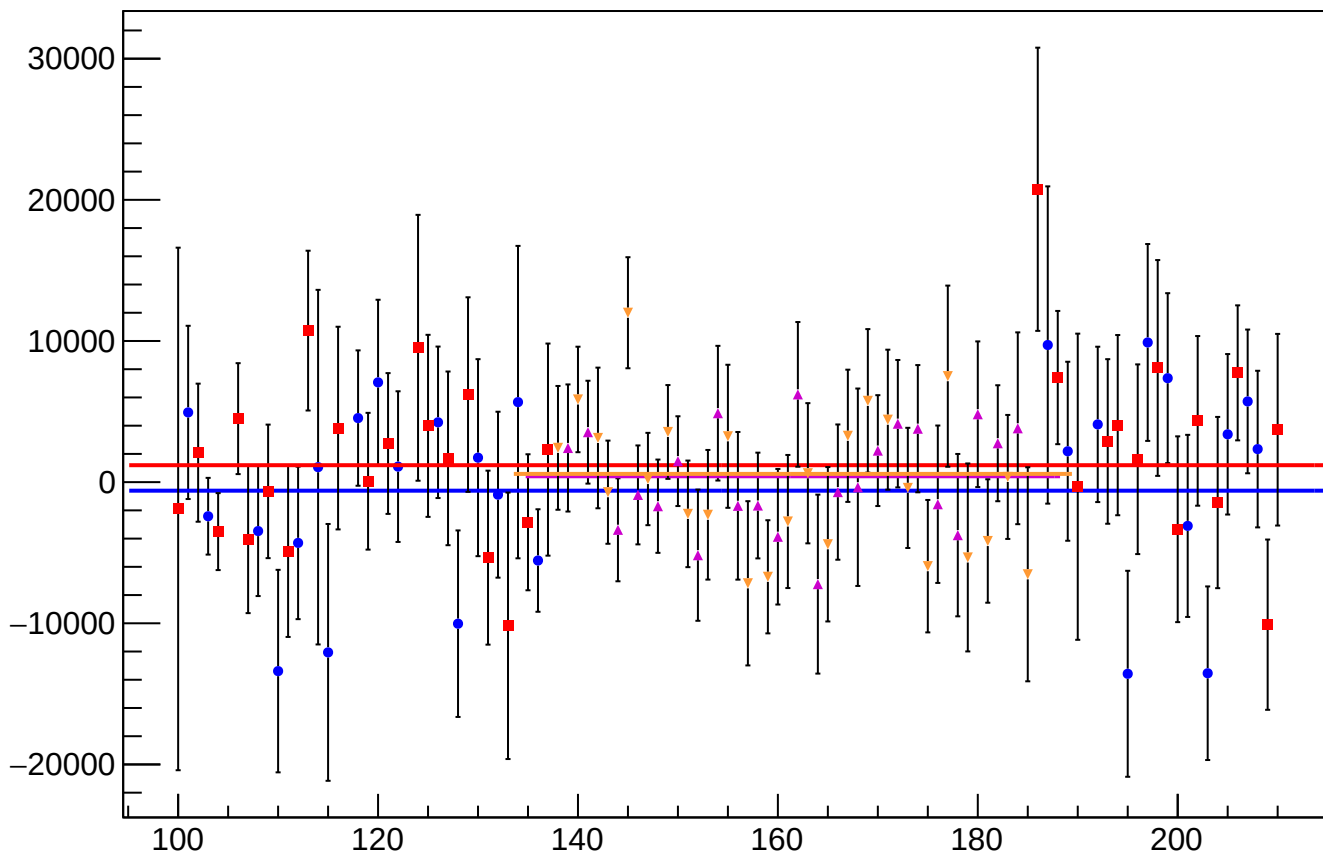
Left In: 3843.333 $\pm$ 0.648 χ^2 /NDF: 1196061.6/22

+ sign 3929.327 $\pm$ 0.483 χ^2 /NDF: 3447241.0/51

All: 3852.756 $\pm$ 0.335 χ^2 /NDF: 9148667.9/10

- sign 3781.882 $\pm$ 0.465 χ^2 /NDF: 5652998.1/54

asym_usr_atr2_dd_mean vs Slug



Right In: -604.852 ± 1074.992 χ^2/NDF : 30.8/26

Left Out: 583.278 ± 894.900 χ^2/NDF : 27.4/24

Right Out: 1200.367 ± 1002.742 χ^2/NDF : 27.0/31

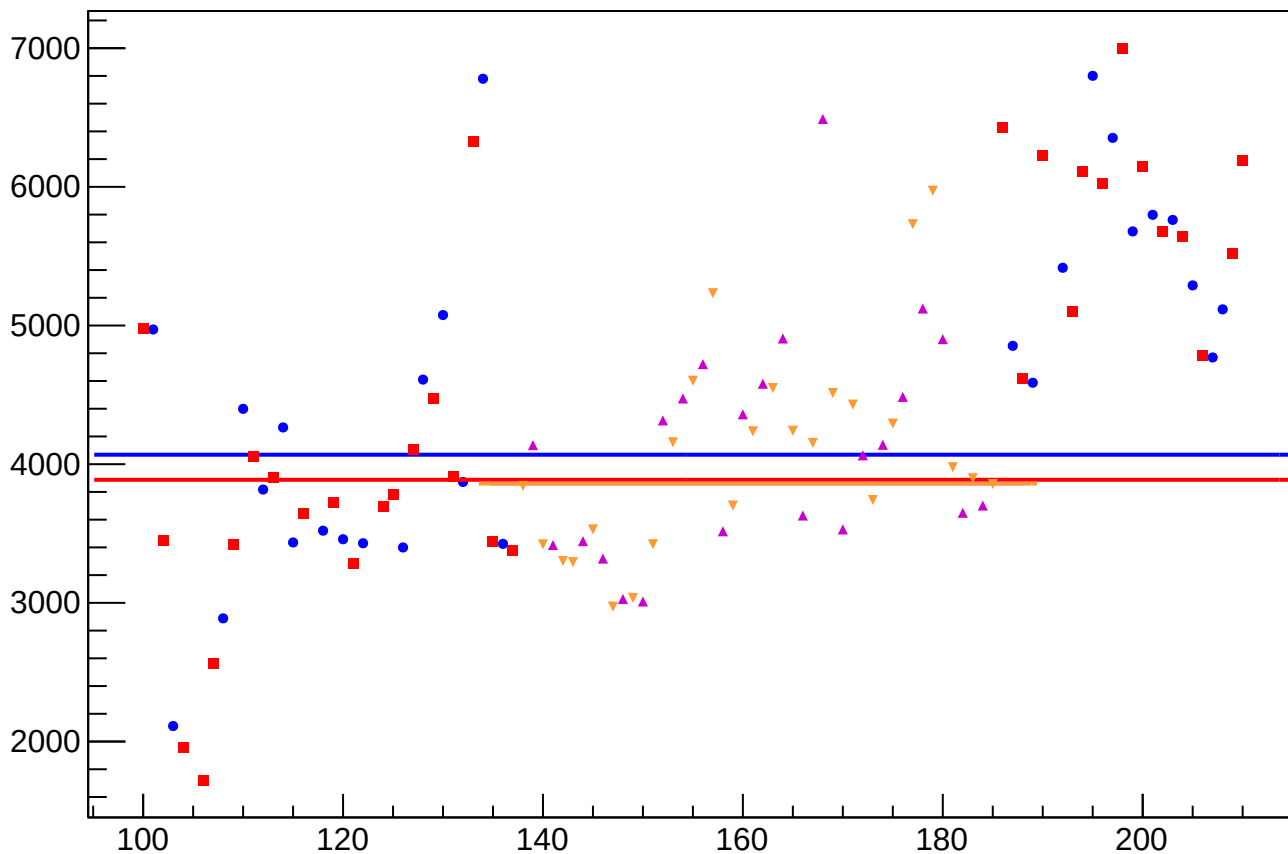
Left In: 416.803 ± 919.006 χ^2/NDF : 12.5/22

+ sign 96.934 ± 687.773 χ^2/NDF : 59.0/51

All: 440.815 ± 482.659 χ^2/NDF : 99.3/106

- sign 774.508 ± 677.508 χ^2/NDF : 39.8/54

asym_usr_atr2_dd_rms vs Slug



Right In: 4068.416 $\pm$ 0.760 χ^2 /NDF: 2855872.6/26

Left Out: 3860.536 $\pm$ 0.633 χ^2 /NDF:1097292.6/24

Right Out: 3887.517 $\pm$ 0.701 χ^2 /NDF: 4371623.1/31

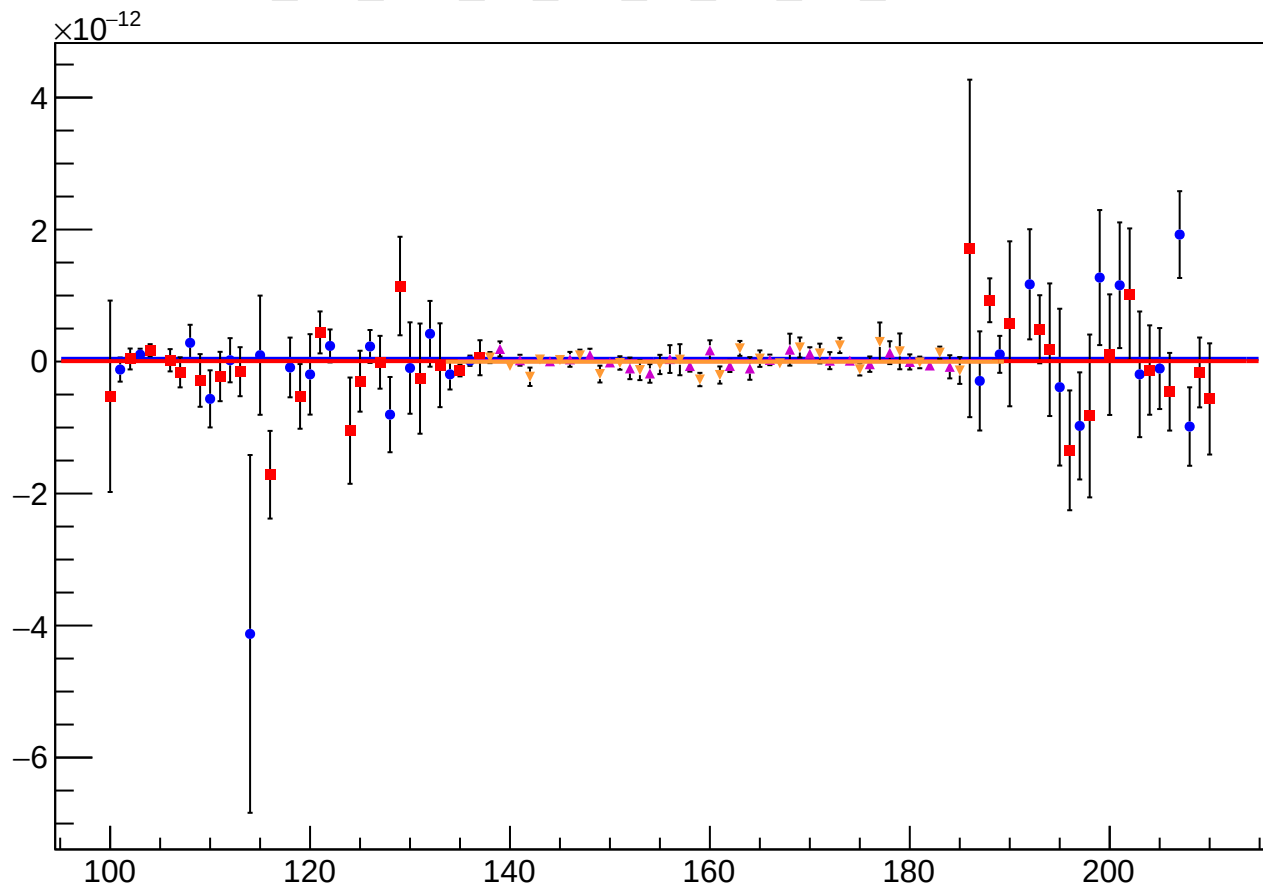
Left In: 3862.339 $\pm$ 0.650 χ^2 /NDF:1142179.8/22

+ sign 3945.629 $\pm$ 0.486 χ^2 /NDF: 3997340.9/51

All: 3909.076 $\pm$ 0.340 χ^2 /NDF: 9522911.4/10

- sign 3873.975 $\pm$ 0.477 χ^2 /NDF: 5514496.7/54

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 29.7/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 34.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 36.2/31

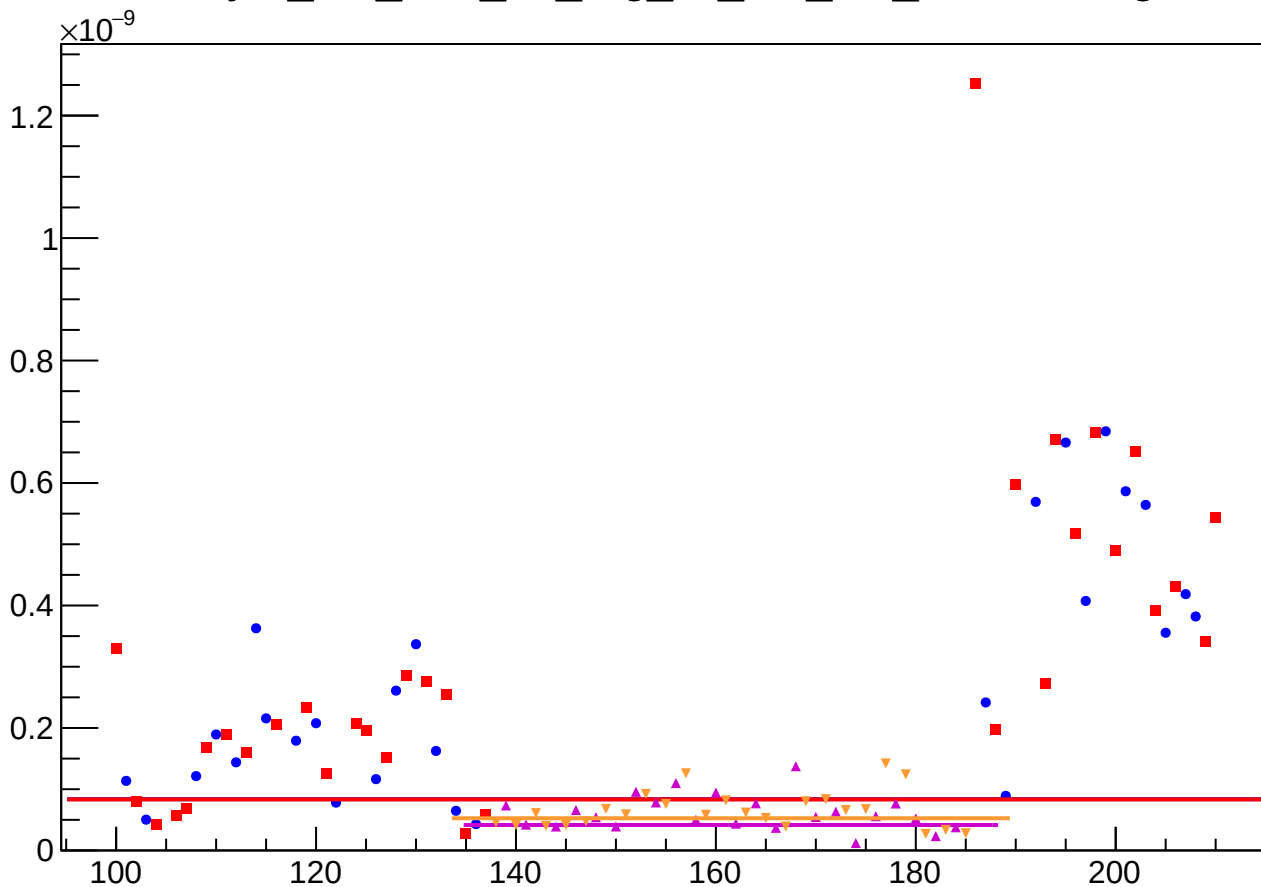
Left In: 0.000 ± 0.000 χ^2/NDF : 12.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 64.7/51

All: 0.000 ± 0.000 χ^2/NDF : 113.8/106

- sign 0.000 ± 0.000 χ^2/NDF : 49.1/54

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6636662.6/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8675472.6/31

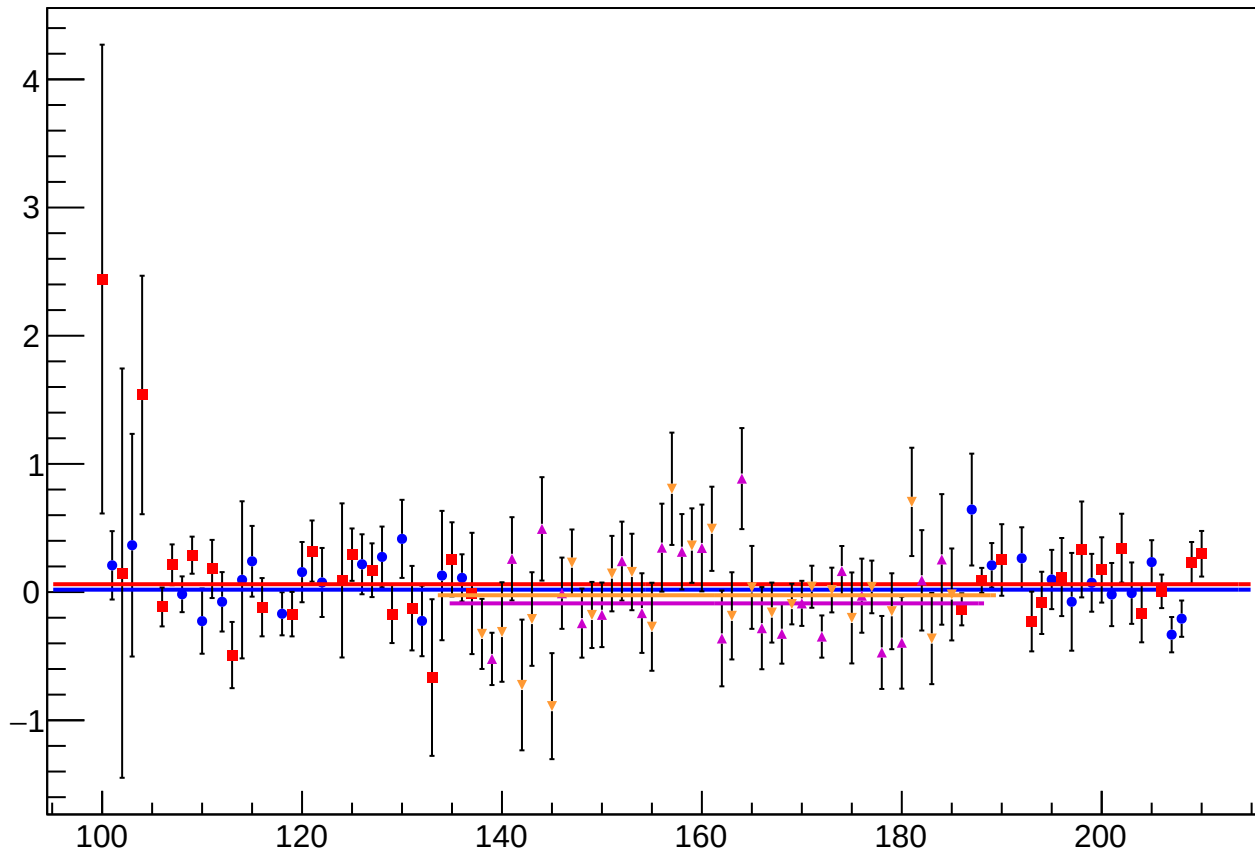
Left In: 0.000+/-0.000 χ^2/NDF : 2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 8965307.5/51

All: 0.000+/-0.000 χ^2/NDF : 22195198.7/106

- sign 0.000+/-0.000 χ^2/NDF : 12926333.9/54

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019 ± 0.043 χ^2/NDF : 24.0/26

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.061 ± 0.037 χ^2/NDF : 33.0/31

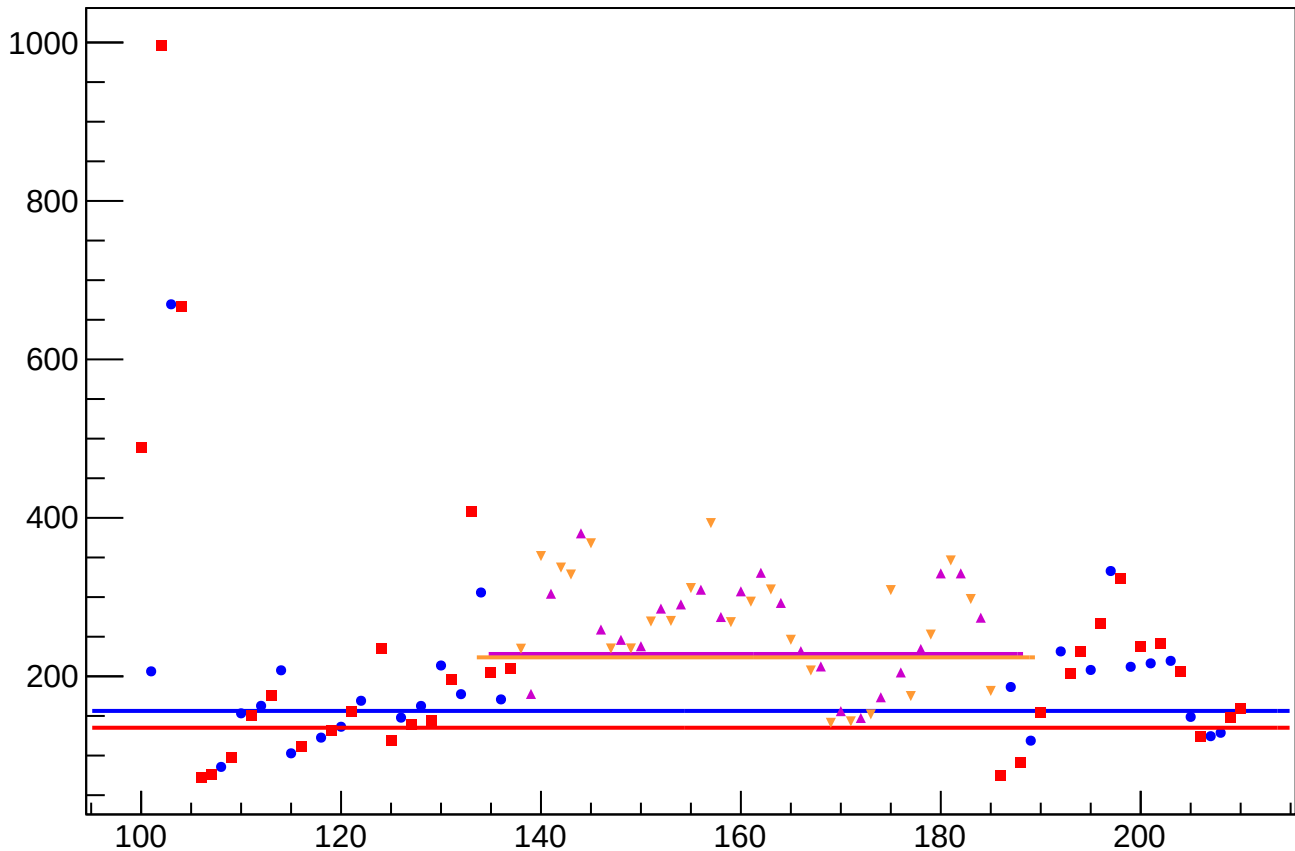
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign 0.002 ± 0.034 χ^2/NDF : 48.5/51

All: 0.011 ± 0.023 χ^2/NDF : 116.5/106

- sign 0.017 ± 0.031 χ^2/NDF : 68.0/54

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 156.337 $\pm$ 0.030 χ^2 /NDF: 3138223.3/26

Left Out: 223.945 $\pm$ 0.039 χ^2 /NDF:3438444.8/24

Right Out: 135.105 $\pm$ 0.026 χ^2 /NDF: 6033951.3/31

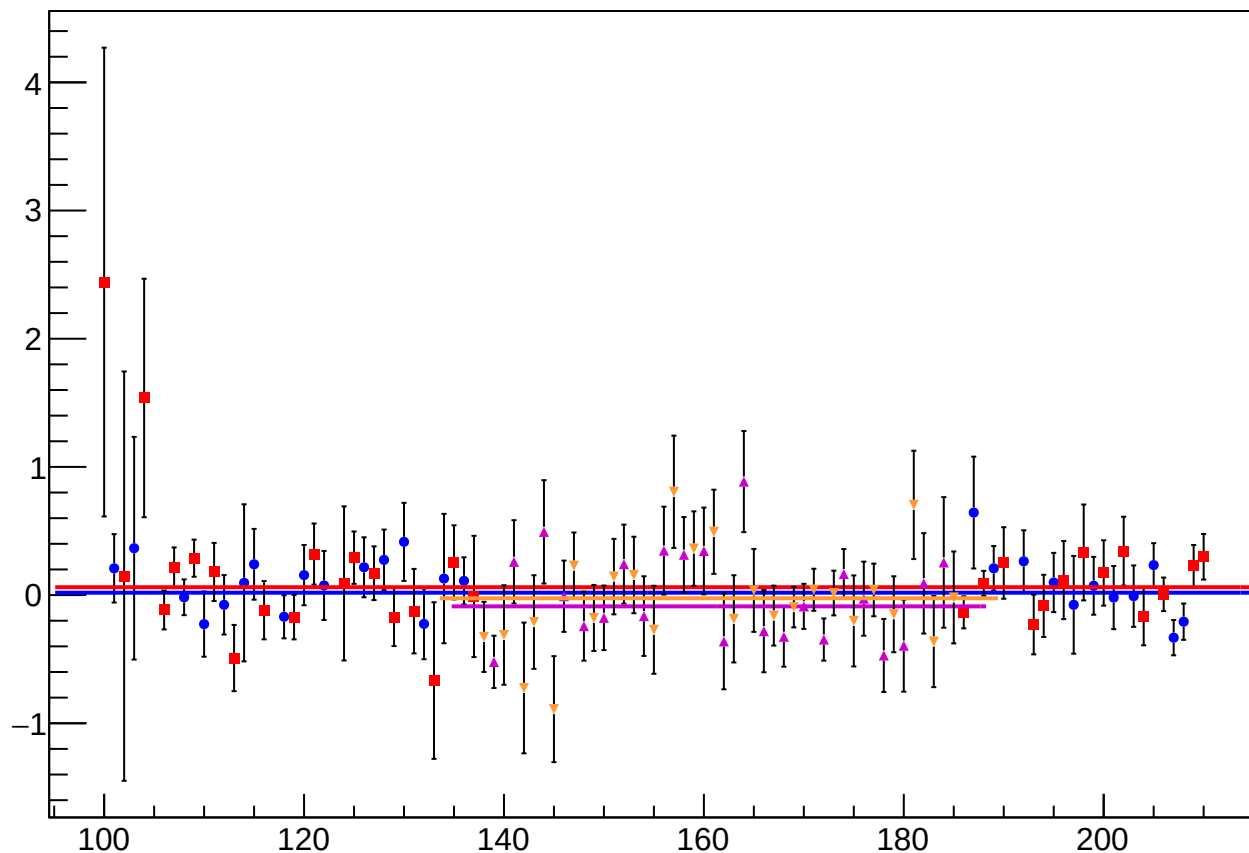
Left In: 228.199 $\pm$ 0.040 χ^2 /NDF:2488915.3/22

+ sign 181.977 $\pm$ 0.024 χ^2 /NDF: 8480251.7/51

All: 171.381 $\pm$ 0.016 χ^2 /NDF: 21177169.1/10

- sign 162.521 $\pm$ 0.022 χ^2 /NDF: 12332254.0/54

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019 ± 0.043 χ^2/NDF : 24.0/26

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.061 ± 0.037 χ^2/NDF : 33.0/31

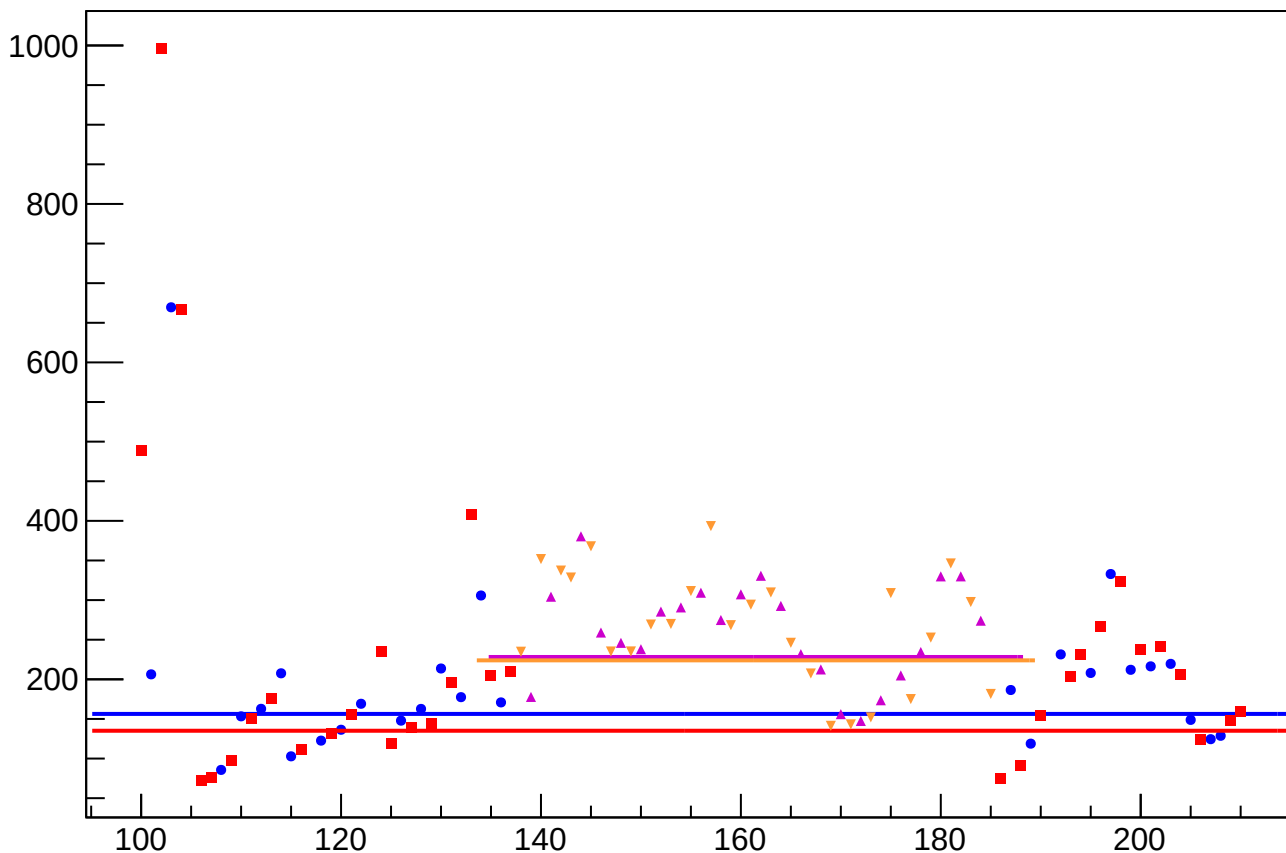
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign 0.002 ± 0.034 χ^2/NDF : 48.5/51

All: 0.011 ± 0.023 χ^2/NDF : 116.5/106

- sign 0.017 ± 0.031 χ^2/NDF : 68.0/54

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.337 $\pm$ 0.030 χ^2 /NDF: 3138223.3/26

Left Out: 223.945 $\pm$ 0.039 χ^2 /NDF:3438444.8/24

Right Out: 135.105 $\pm$ 0.026 χ^2 /NDF: 6033951.3/31

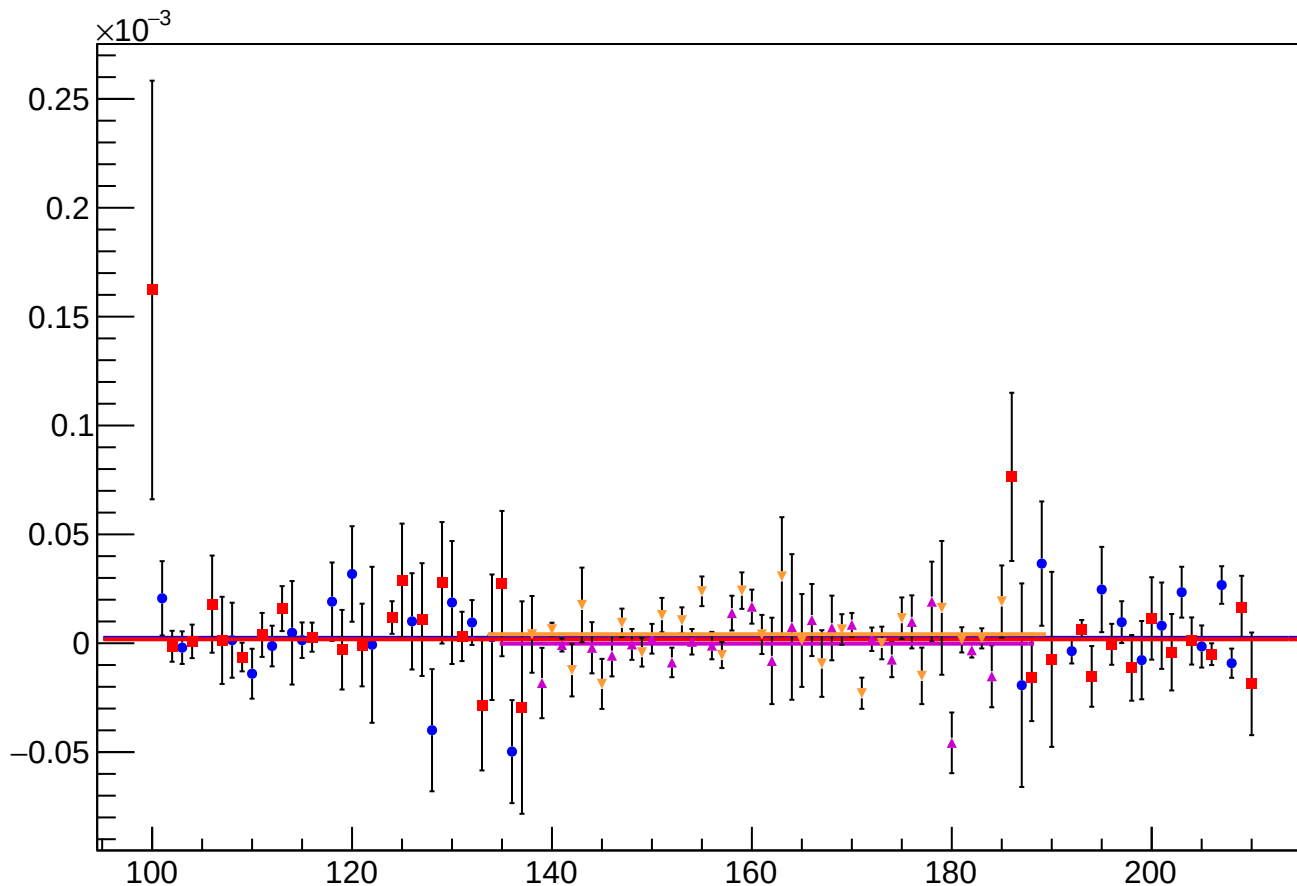
Left In: 228.199 $\pm$ 0.040 χ^2 /NDF:2488915.3/22

+ sign 181.977 $\pm$ 0.024 χ^2 /NDF: 8480251.7/51

All: 171.381 $\pm$ 0.016 χ^2 /NDF: 21177169.1/10

- sign 162.521 $\pm$ 0.022 χ^2 /NDF: 12332254.0/54

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.8/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 48.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.8/31

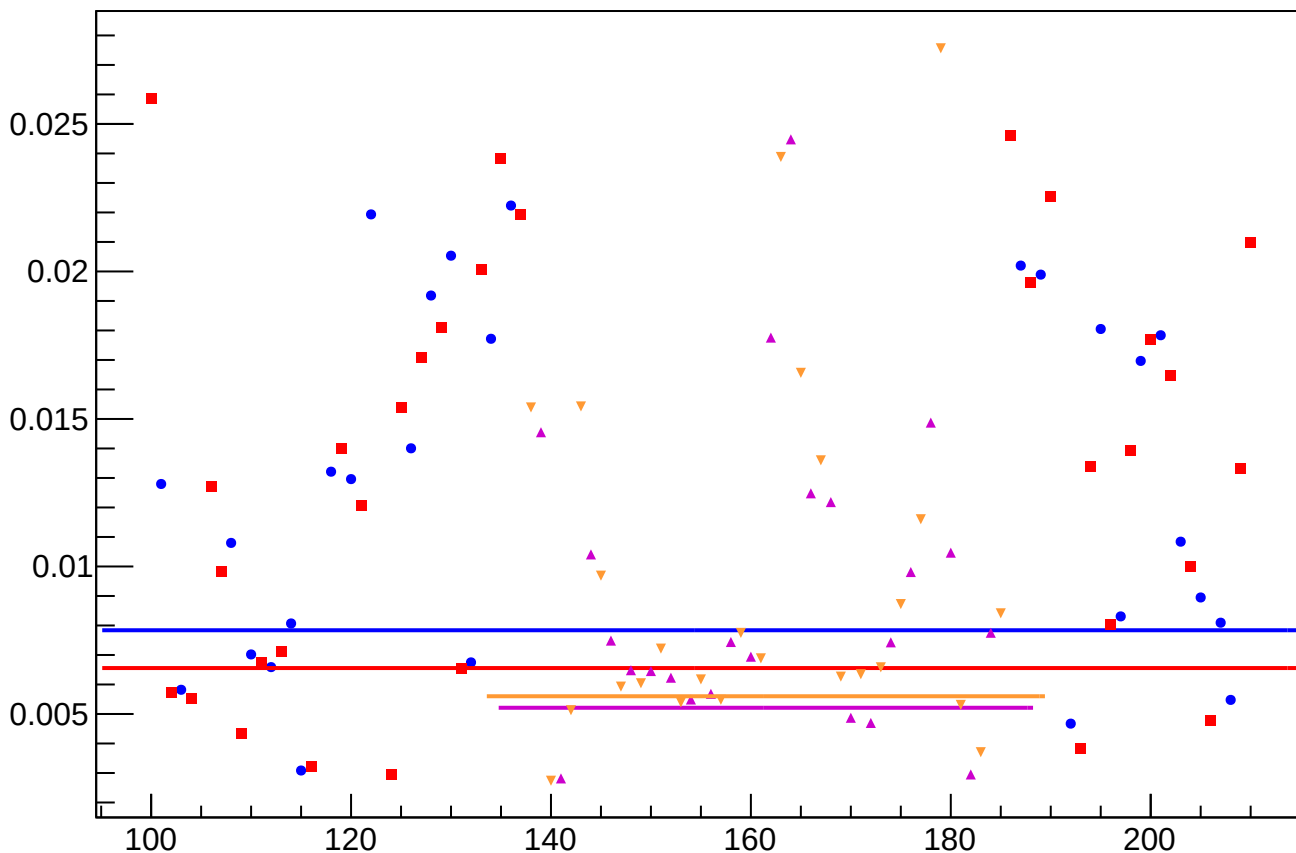
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 83.0/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 142.1/106

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 55.6/54

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 6681051.4/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 7769287.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10434757.0/31

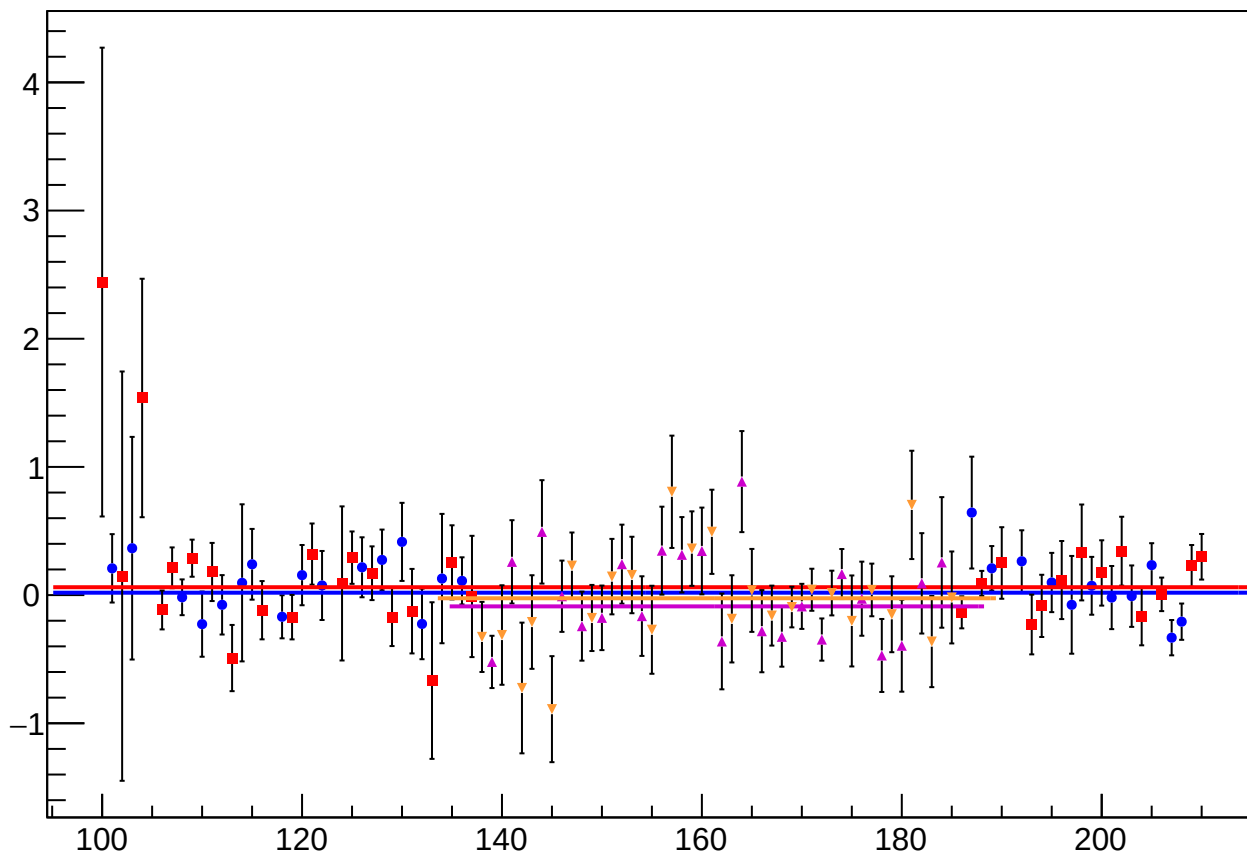
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 7460452.2/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 15794516.7/51

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 34546560.2/106

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 18542096.9/54

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019 ± 0.043 χ^2/NDF : 24.0/26

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.061 ± 0.037 χ^2/NDF : 33.0/31

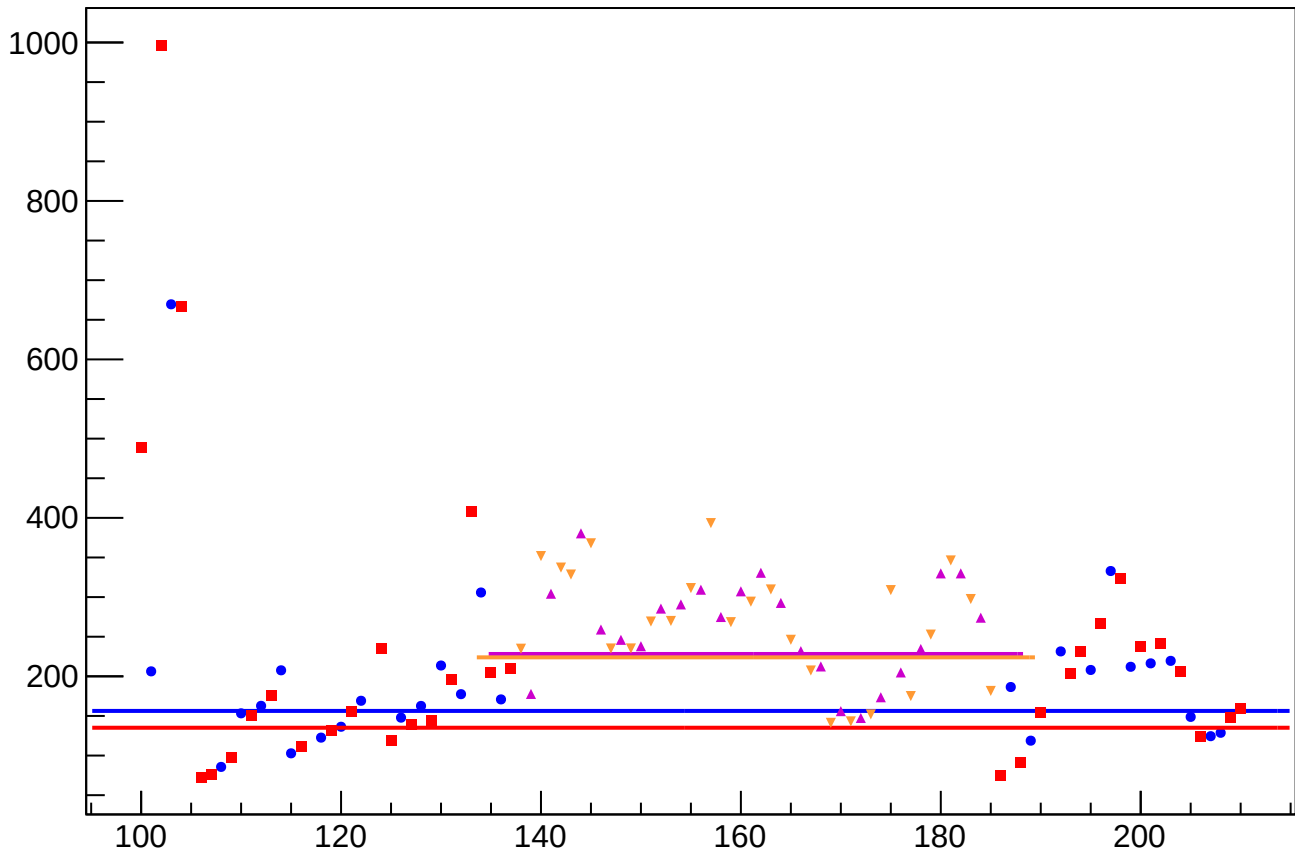
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign 0.002 ± 0.034 χ^2/NDF : 48.5/51

All: 0.011 ± 0.023 χ^2/NDF : 116.5/106

- sign 0.017 ± 0.031 χ^2/NDF : 68.0/54

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 156.334+/-0.030 χ^2/NDF : 3138380.2/26

Left Out: 223.946+/-0.039 χ^2/NDF : 3438541.7/24

Right Out: 135.109+/-0.026 χ^2/NDF : 6033427.9/31

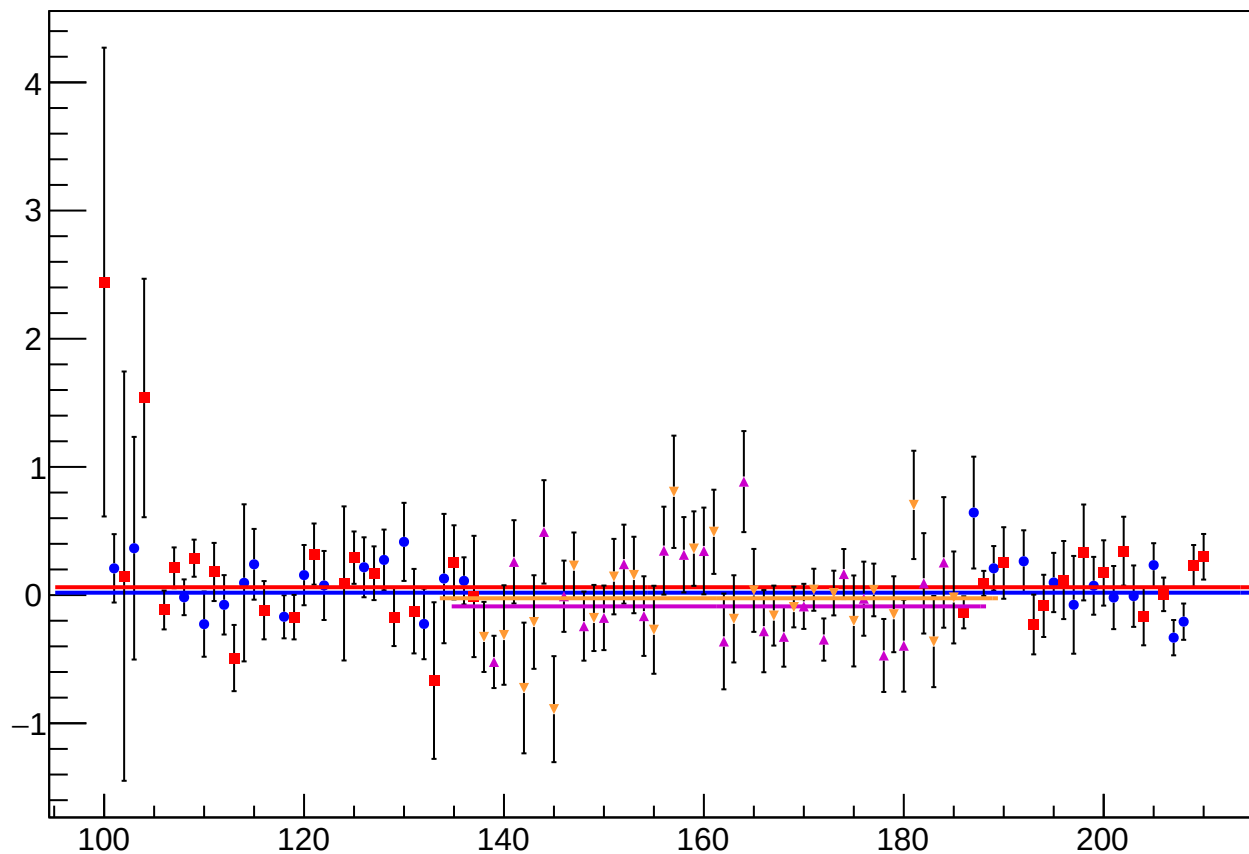
Left In: 228.201+/-0.040 χ^2/NDF : 2488951.6/22

+ sign 181.975+/-0.024 χ^2/NDF : 8480713.8/51

All: 171.383+/-0.016 χ^2/NDF : 21176678.6/10

- sign 162.525+/-0.022 χ^2/NDF : 12331500.3/54

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019 ± 0.043 χ^2/NDF : 24.0/26

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.061 ± 0.037 χ^2/NDF : 33.0/31

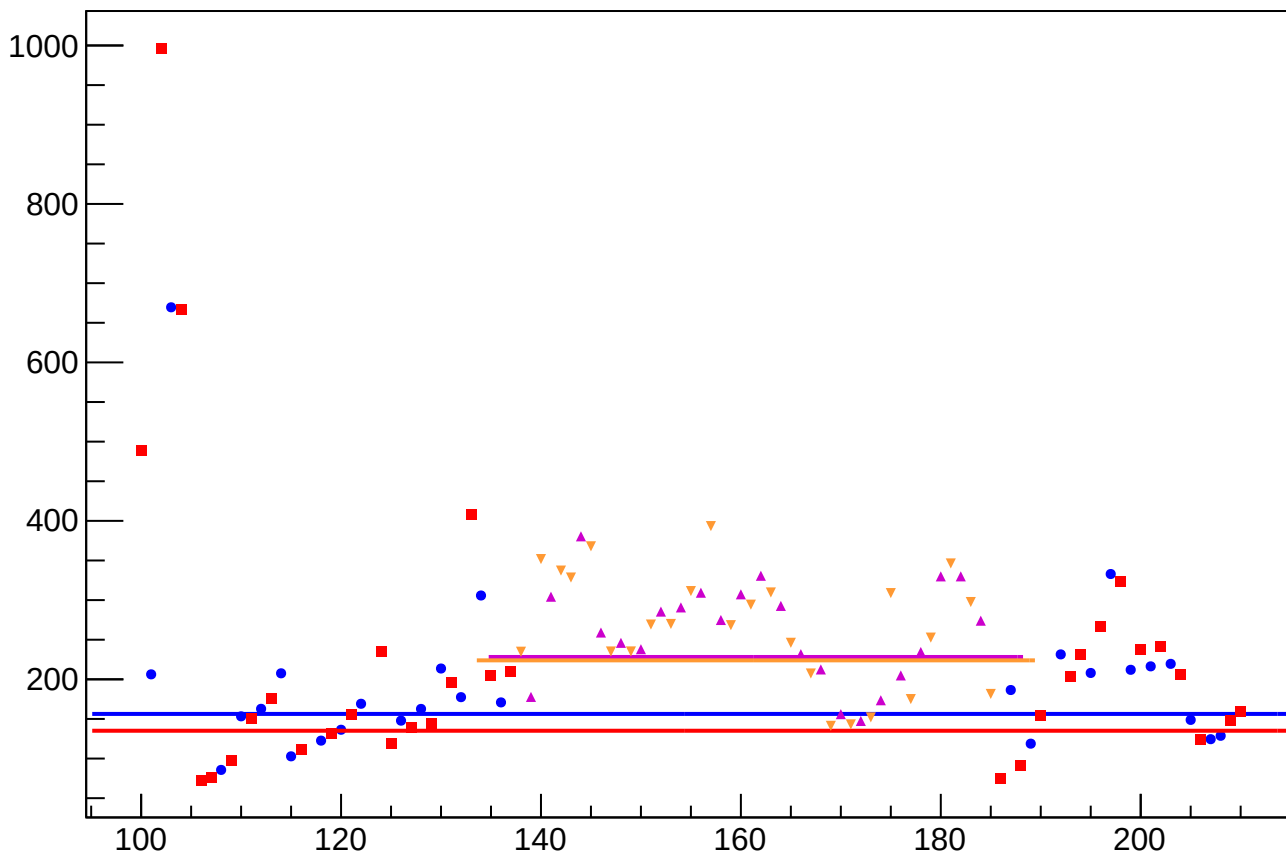
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign 0.002 ± 0.034 χ^2/NDF : 48.5/51

All: 0.011 ± 0.023 χ^2/NDF : 116.5/106

- sign 0.017 ± 0.031 χ^2/NDF : 68.0/54

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.334+/-0.030 χ^2/NDF : 3138380.2/26

Left Out: 223.946+/-0.039 χ^2/NDF : 3438541.7/24

Right Out: 135.109+/-0.026 χ^2/NDF : 6033427.9/31

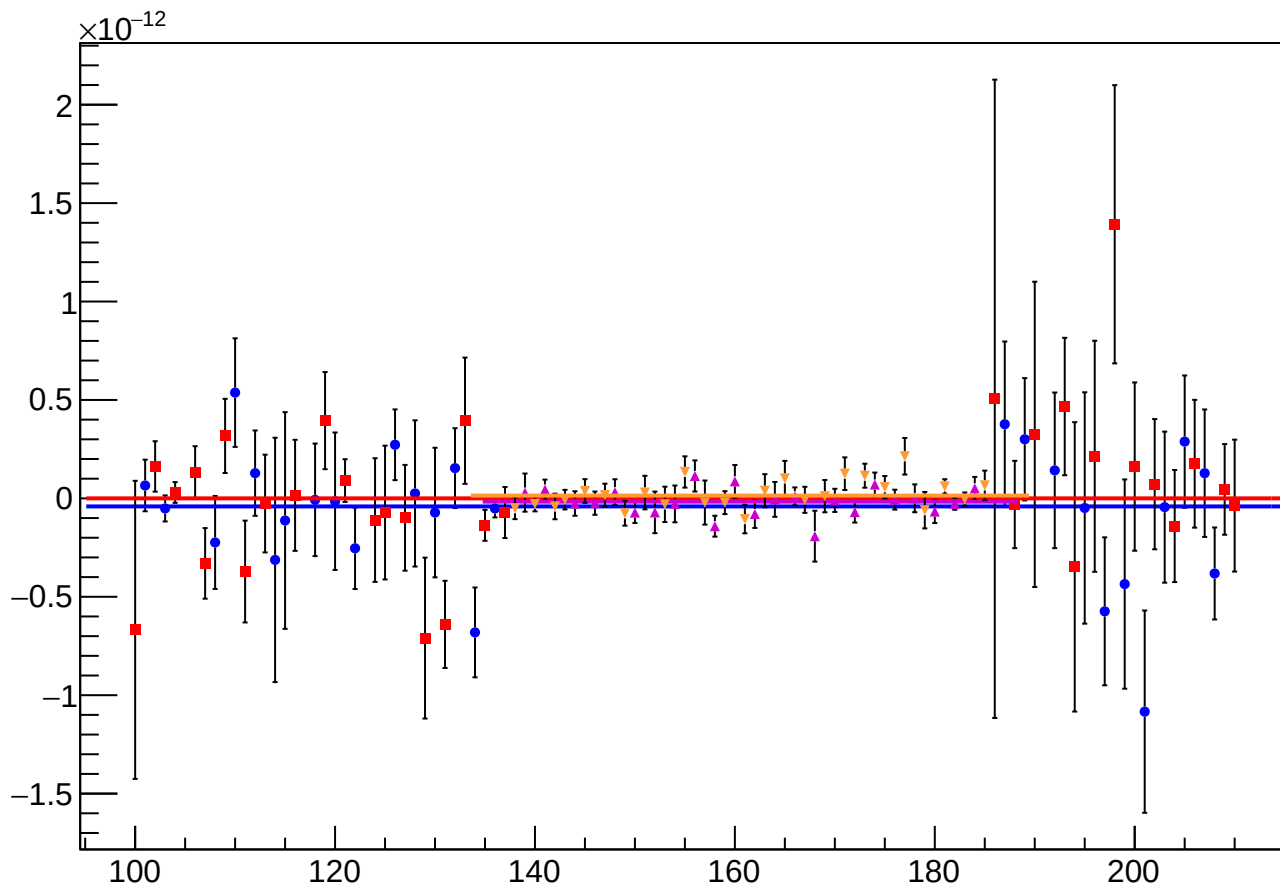
Left In: 228.201+/-0.040 χ^2/NDF : 2488951.6/22

+ sign 181.975+/-0.024 χ^2/NDF : 8480713.8/51

All: 171.383+/-0.016 χ^2/NDF : 21176678.6/10

- sign 162.525+/-0.022 χ^2/NDF : 12331500.3/54

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 31.9/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 38.9/31

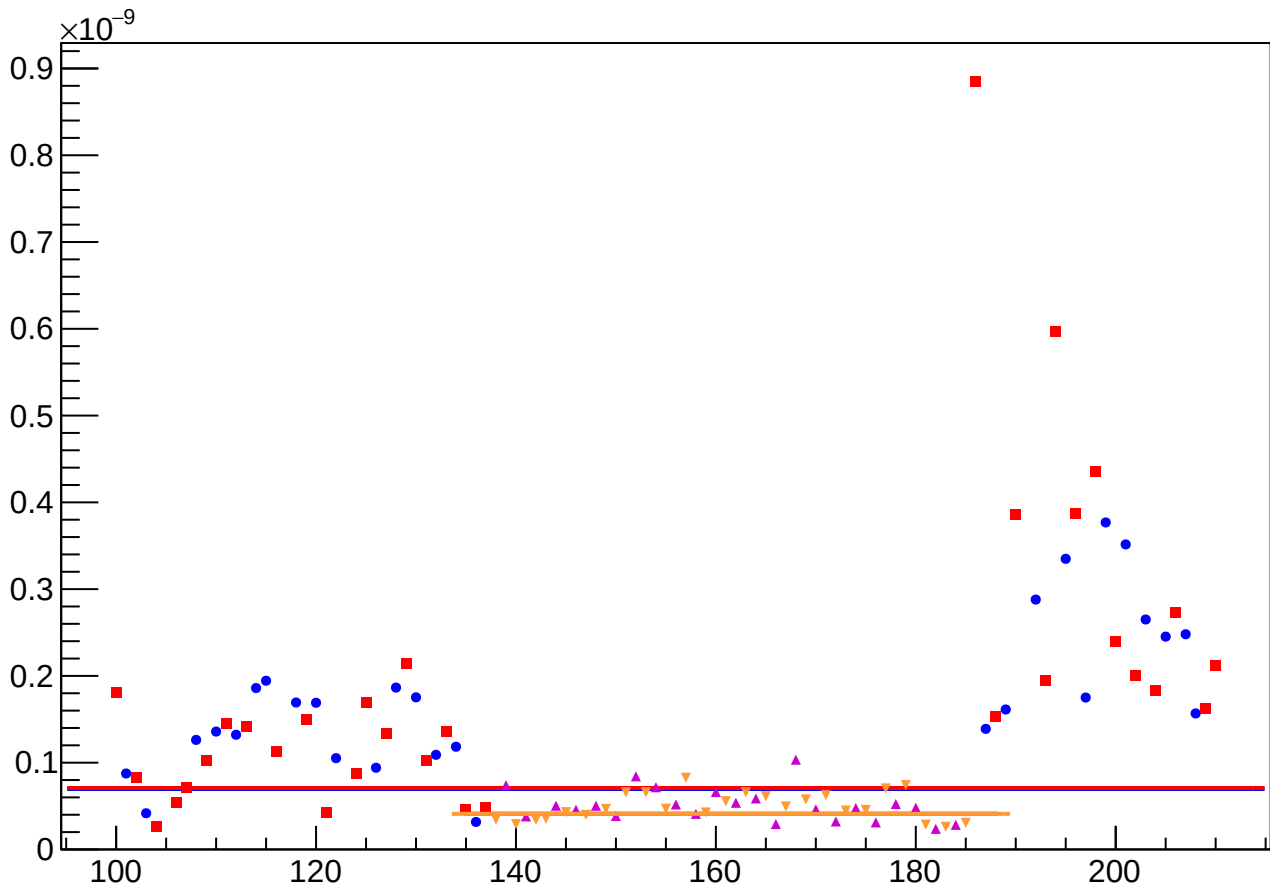
Left In: -0.000 ± 0.000 χ^2/NDF : 21.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 60.0/51

All: -0.000 ± 0.000 χ^2/NDF : 122.7/106

- sign -0.000 ± 0.000 χ^2/NDF : 60.9/54

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8062074.7/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9046360.4/31

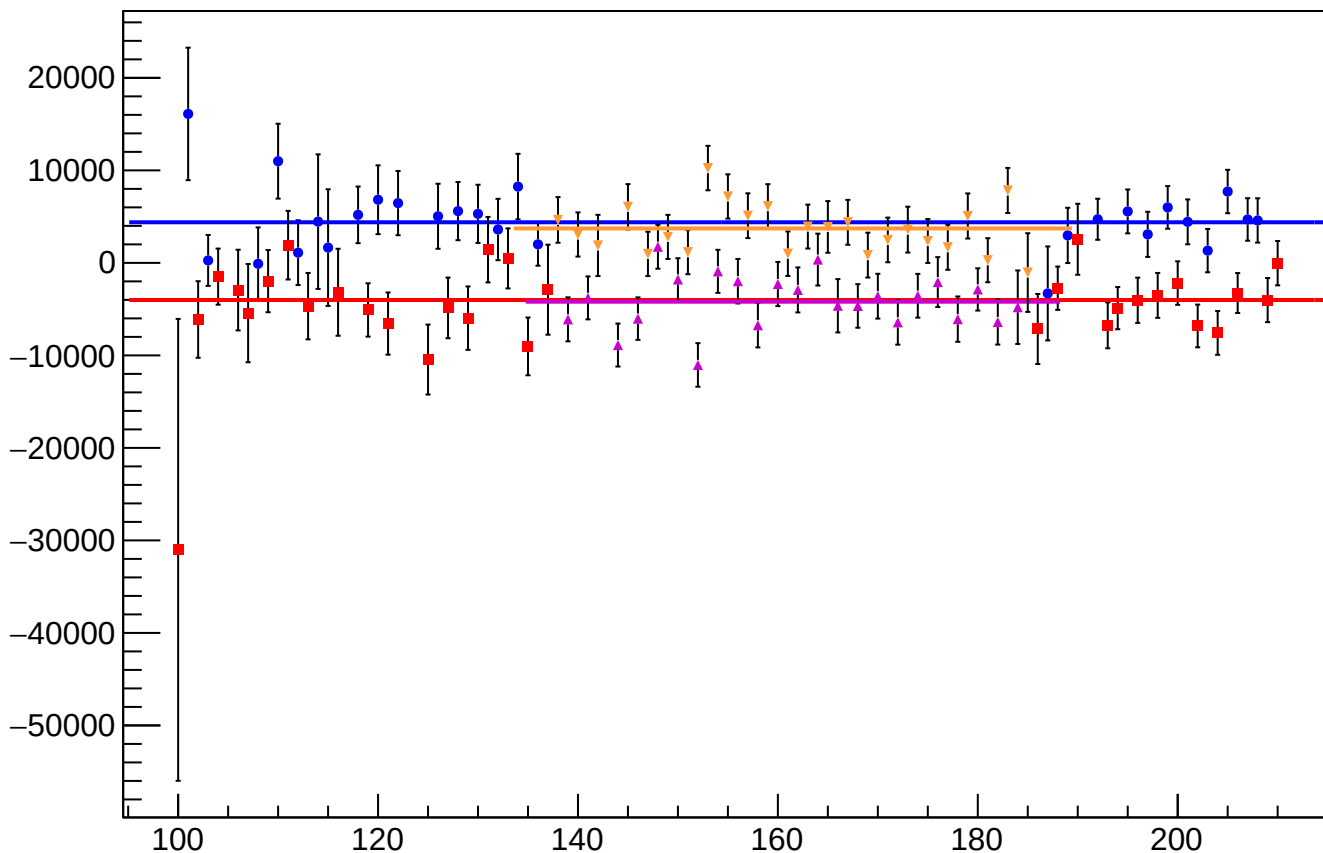
Left In: 0.000+/-0.000 χ^2/NDF : 2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 12197103.6/51

All: 0.000+/-0.000 χ^2/NDF : 25721742.4/106

- sign 0.000+/-0.000 χ^2/NDF : 13522264.3/54

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4389.290 $\pm$ 568.807 χ^2 /NDF: 20.7/26

Left Out: 3723.486 $\pm$ 507.155 χ^2 /NDF:25.4/23

Right Out: -4011.829 $\pm$ 539.045 χ^2 /NDF: 28.7/30

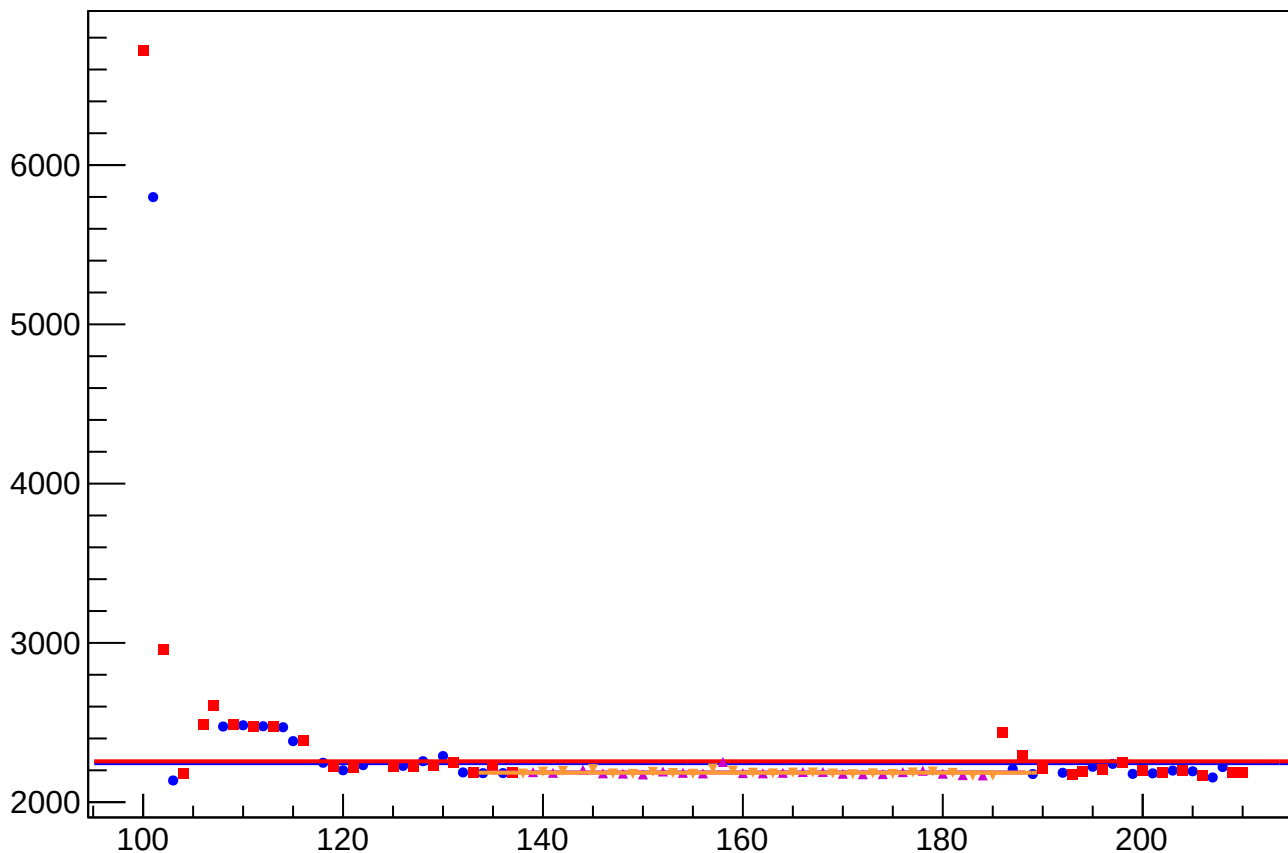
Left In: -4195.942 $\pm$ 510.578 χ^2 /NDF:32.1/22

+ sign 4018.363 $\pm$ 378.540 χ^2 /NDF: 46.9/50

All: -130.415 $\pm$ 264.849 χ^2 /NDF: 343.1/104

- sign -4108.875 $\pm$ 370.689 χ^2 /NDF: 60.9/53

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2245.163+/-0.402 χ^2/NDF : 535529.8/26

Left Out: 2185.133+/-0.359 χ^2/NDF : 815.1/23

Right Out: 2256.541+/-0.381 χ^2/NDF : 186340.7/30

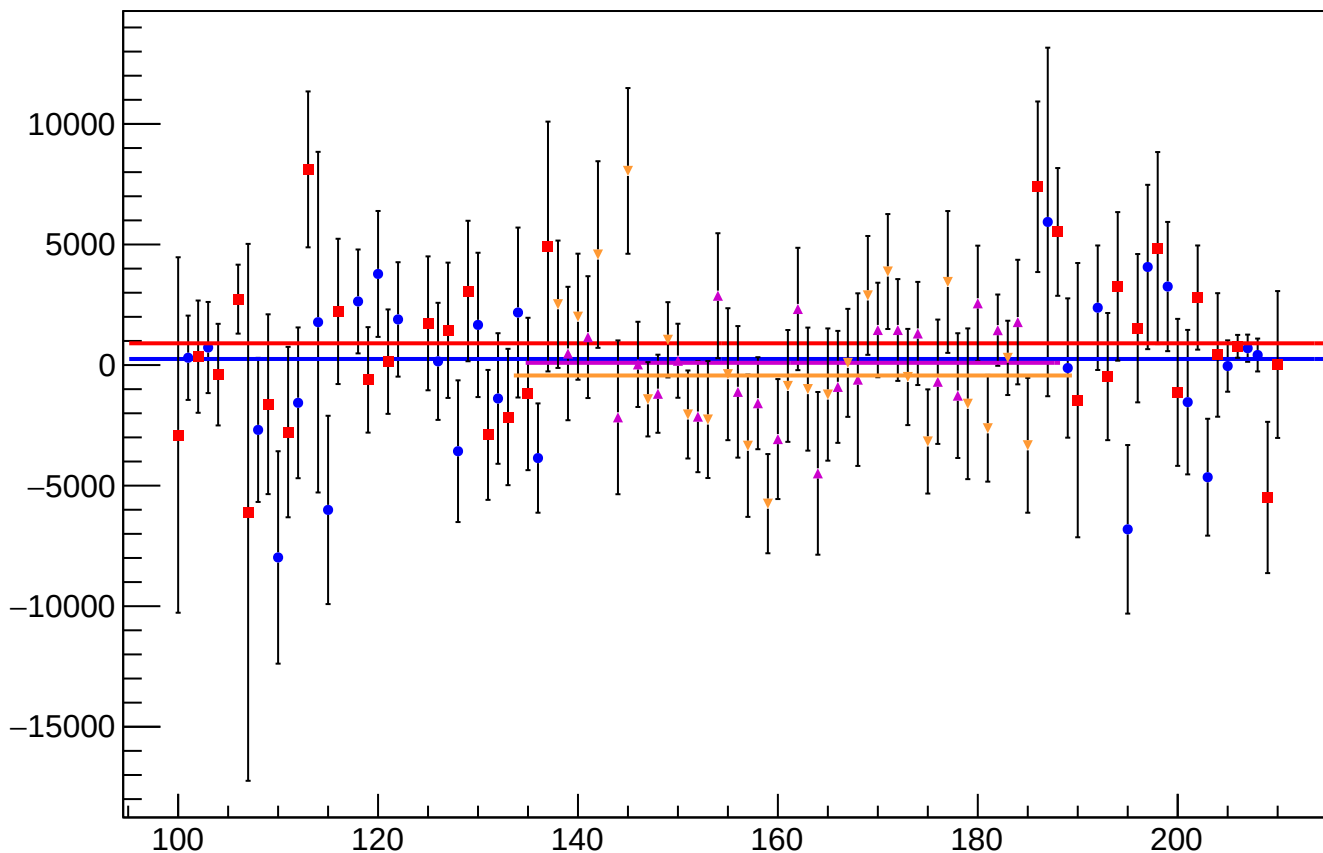
Left In: 2186.745+/-0.361 χ^2/NDF : 2063.9/22

+ sign 2211.719+/-0.268 χ^2/NDF : 548755.1/50

All: 2215.820+/-0.187 χ^2/NDF : 755293.0/104

- sign 2219.751+/-0.262 χ^2/NDF : 206078.3/53

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug



Right In: 252.448+/-326.836 χ^2/NDF : 30.0/26

Left Out: -432.286+/-462.383 χ^2/NDF :31.3/23

Right Out: 902.072+/-347.517 χ^2/NDF : 29.0/30

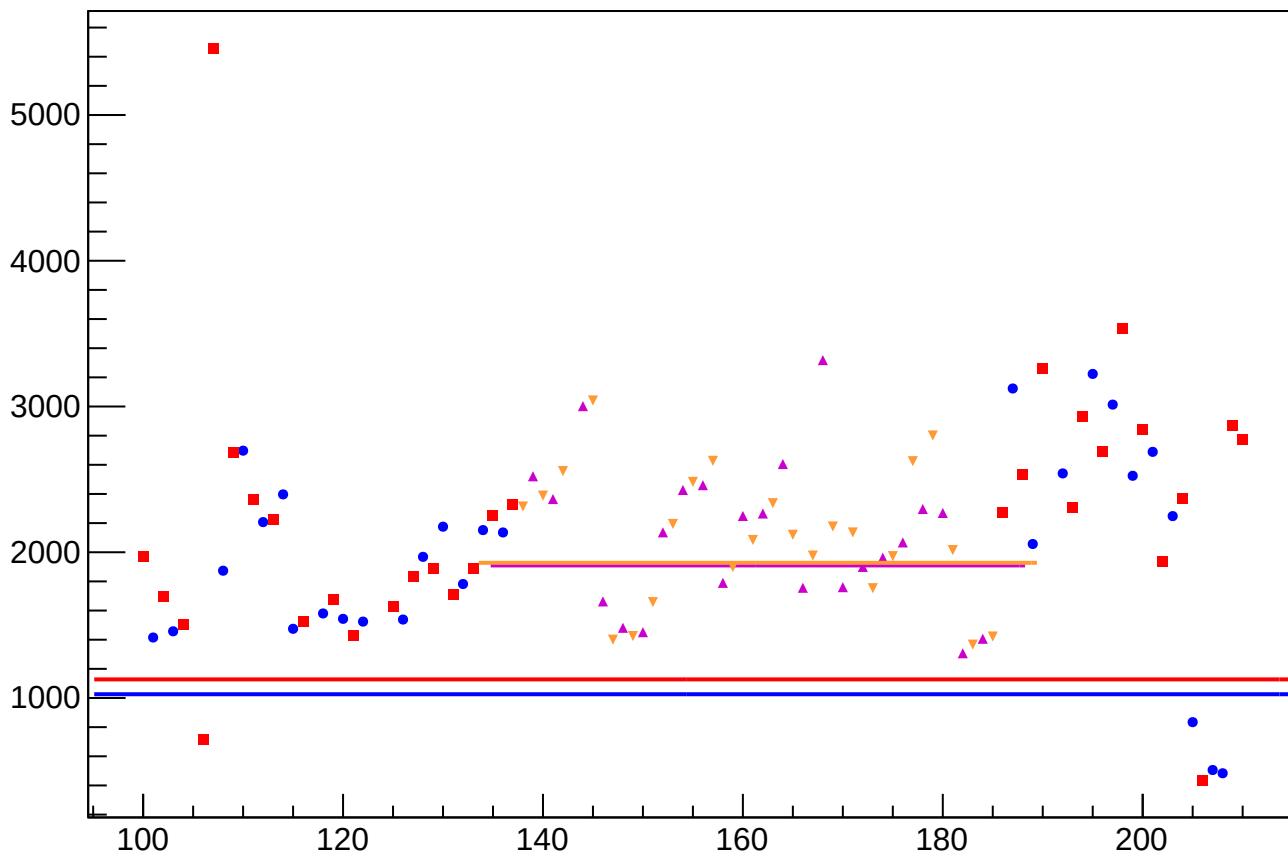
Left In: 92.649+/-460.669 χ^2/NDF :12.8/22

+ sign 24.313+/-266.893 χ^2/NDF : 62.7/50

All: 305.106+/-192.339 χ^2/NDF : 108.8/104

- sign 608.507+/-277.430 χ^2/NDF : 43.7/53

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug



Right In: 1025.846 $\pm$ 0.231 χ^2 /NDF: 10131253.9/26

Left Out: 1927.660 $\pm$ 0.327 χ^2 /NDF: 1798383.1/23

Right Out: 1127.714 $\pm$ 0.246 χ^2 /NDF: 12905712.1/30

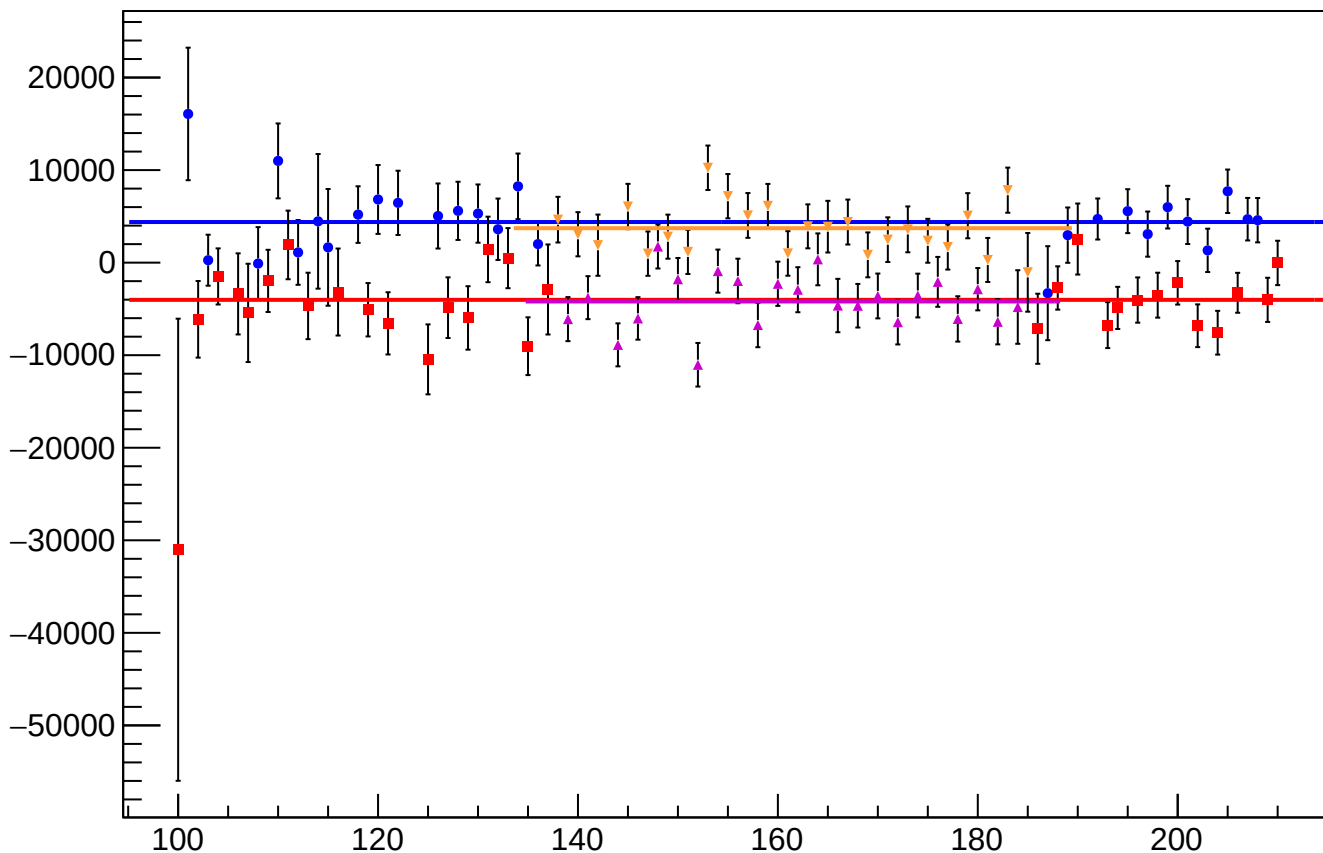
Left In: 1909.612 $\pm$ 0.326 χ^2 /NDF: 1942264.8/22

+ sign 1326.305 $\pm$ 0.189 χ^2 /NDF: 17002745.3/50

All: 1367.156 $\pm$ 0.136 χ^2 /NDF: 35620251.2/100

- sign 1411.296 $\pm$ 0.196 χ^2 /NDF: 18520023.4/53

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4389.062 $\pm$ 568.807 χ^2 /NDF: 20.6/26

Left Out: 3723.433 $\pm$ 507.155 χ^2 /NDF:25.4/23

Right Out: -4018.794 $\pm$ 539.080 χ^2 /NDF: 28.7/30

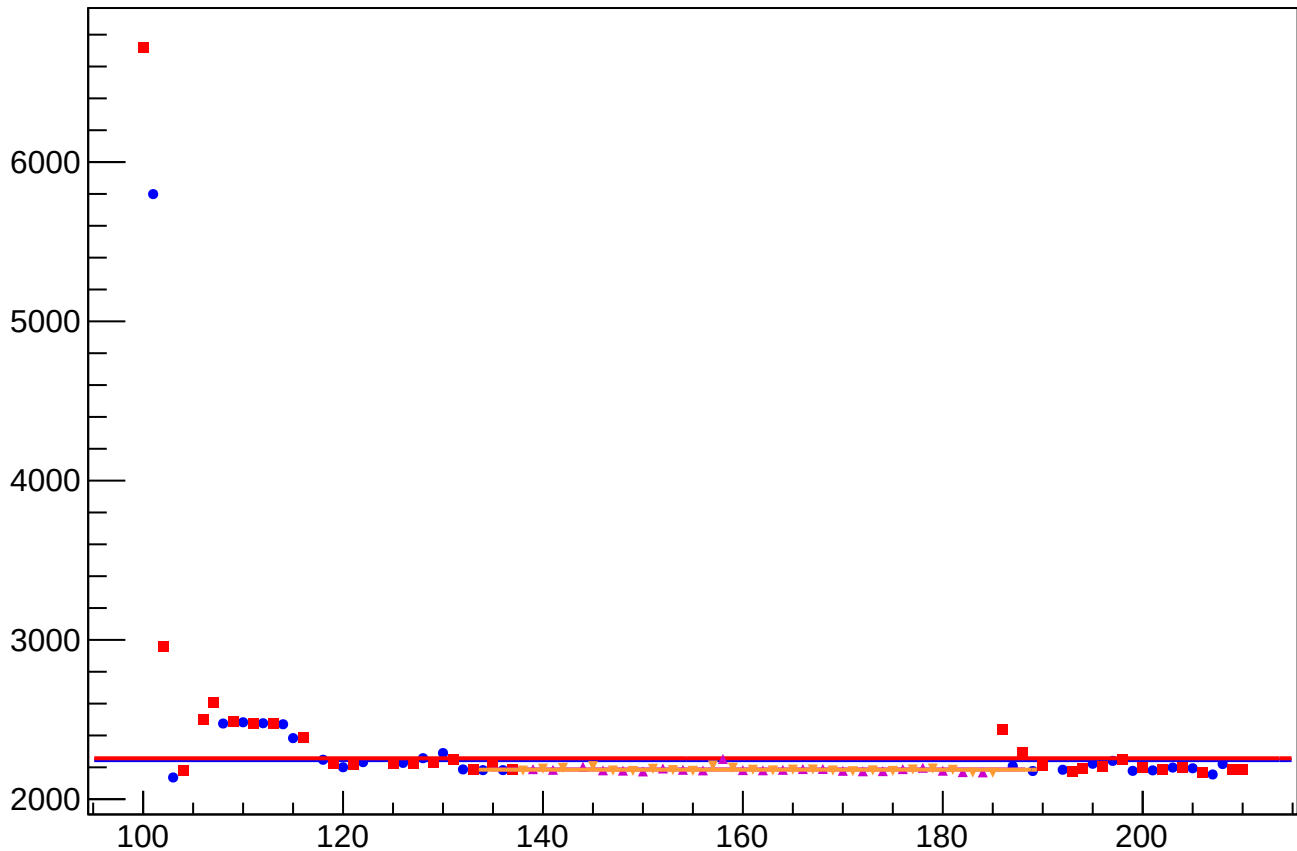
Left In: -4196.060 $\pm$ 510.578 χ^2 /NDF:32.1/22

+ sign 4018.232 $\pm$ 378.540 χ^2 /NDF: 46.9/50

All: -132.069 $\pm$ 264.853 χ^2 /NDF: 343.2/104

- sign -4112.237 $\pm$ 370.700 χ^2 /NDF: 60.8/53

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2245.163+/-0.402 χ^2/NDF : 535530.2/26

Left Out: 2185.133+/-0.359 χ^2/NDF :815.1/23

Right Out: 2256.672+/-0.381 χ^2/NDF : 186825.4/30

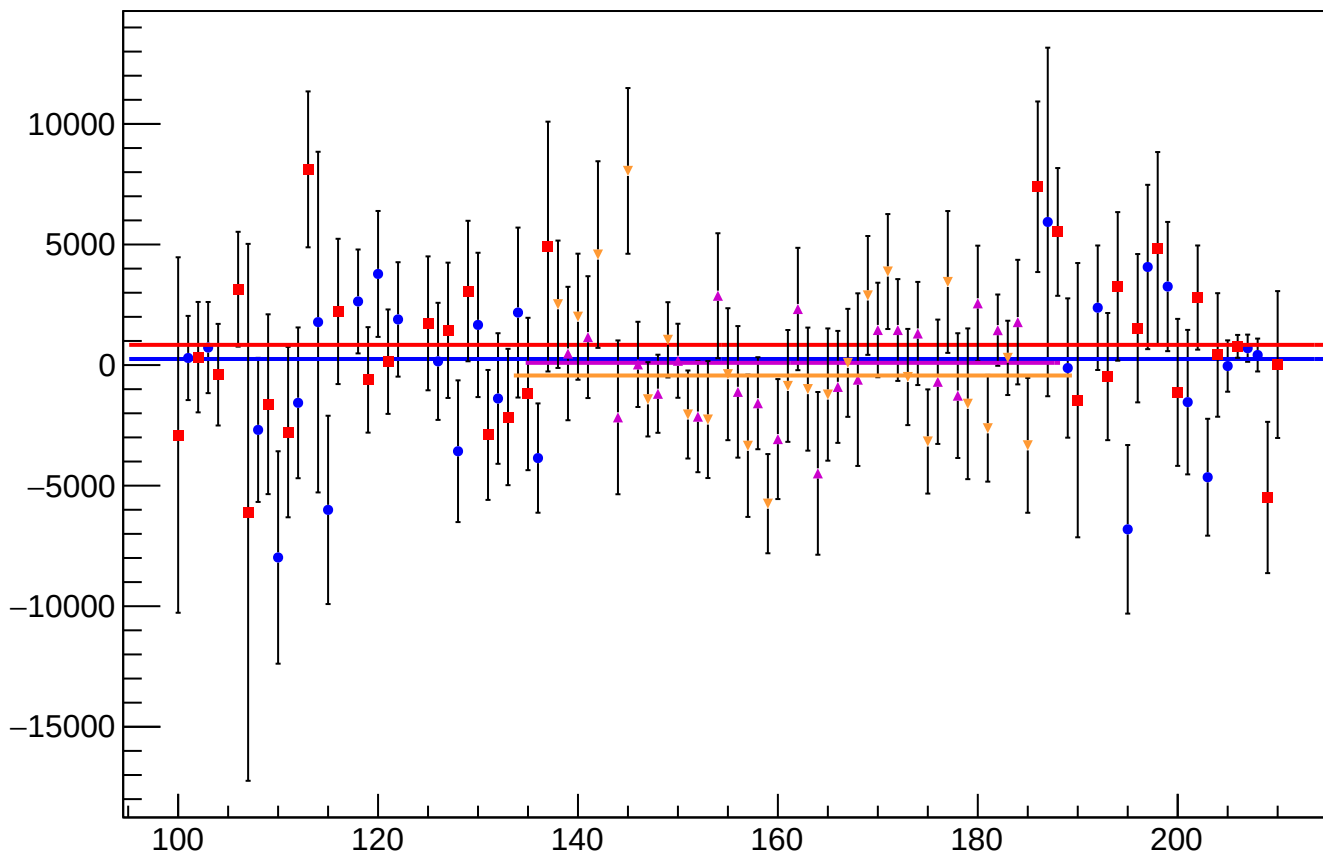
Left In: 2186.745+/-0.361 χ^2/NDF :2063.9/22

+ sign 2211.719+/-0.268 χ^2/NDF : 548755.5/50

All: 2215.850+/-0.187 χ^2/NDF : 755850.5/104

- sign 2219.811+/-0.262 χ^2/NDF : 206628.4/53

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug



Right In: 252.277+/-326.814 χ^2/NDF : 30.0/26

Left Out: -432.320+/-462.383 χ^2/NDF :31.3/23

Right Out: 838.233+/-354.137 χ^2/NDF : 28.2/30

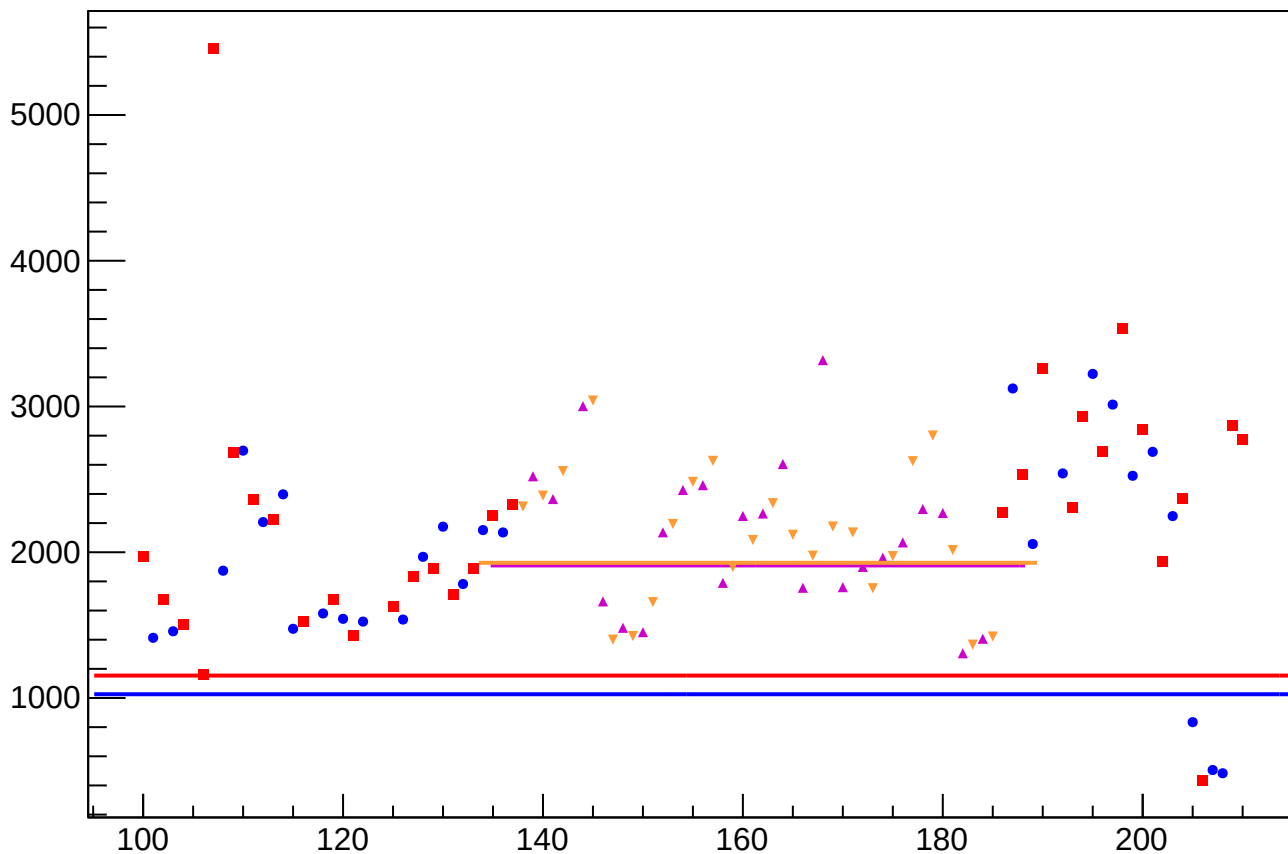
Left In: 92.604+/-460.670 χ^2/NDF :12.8/22

+ sign 24.208+/-266.881 χ^2/NDF : 62.7/50

All: 279.132+/-193.435 χ^2/NDF : 107.3/104

- sign 561.269+/-280.764 χ^2/NDF : 42.6/53

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1025.789+/-0.231 χ^2/NDF : 10130995.2/26

Left Out: 1927.659+/-0.327 χ^2/NDF : 1798407.2/23

Right Out: 1153.903+/-0.250 χ^2/NDF : 12724667.9/30

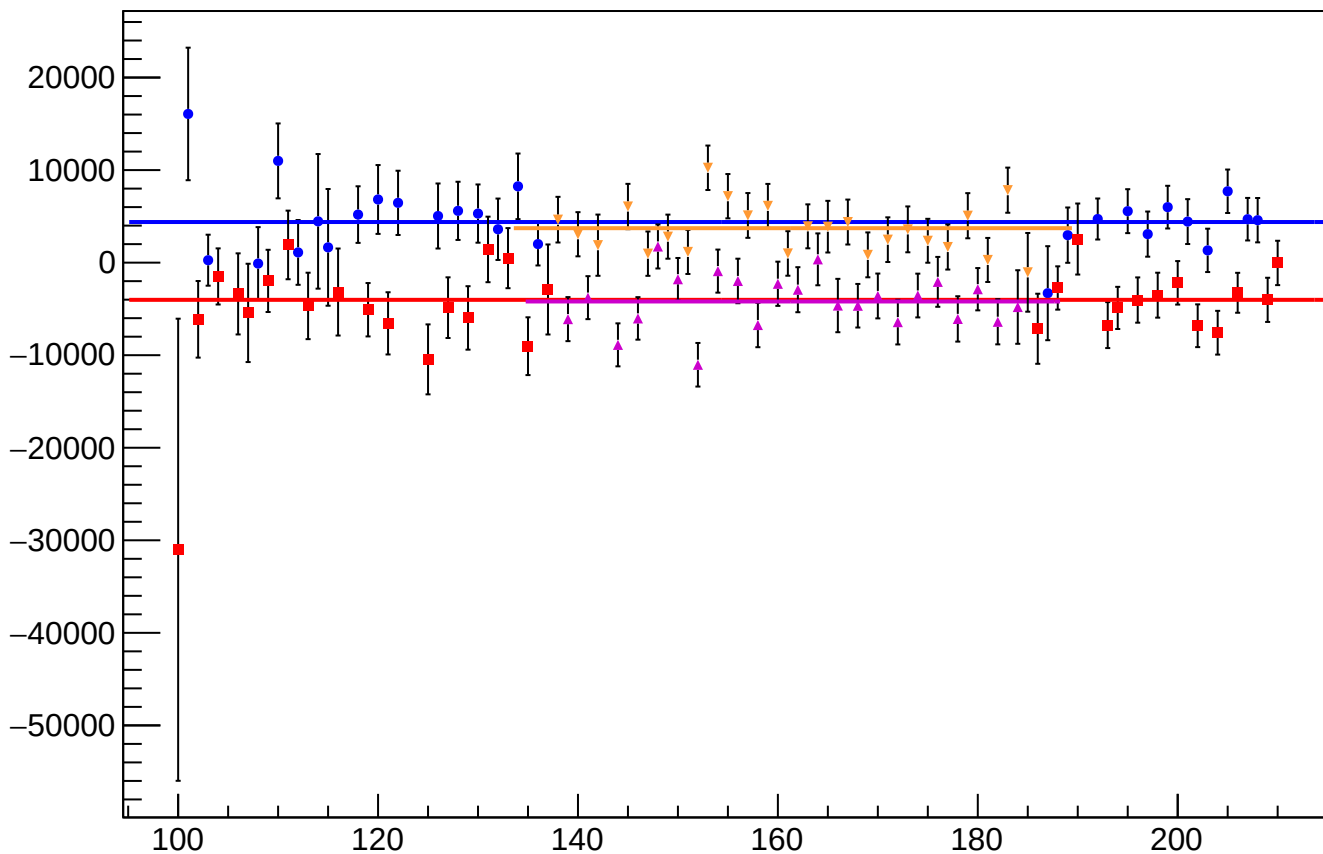
Left In: 1909.618+/-0.326 χ^2/NDF : 1942286.8/22

+ sign 1326.240+/-0.189 χ^2/NDF : 17003363.4/50

All: 1377.682+/-0.137 χ^2/NDF : 35209878.5/100

- sign 1434.614+/-0.199 χ^2/NDF : 18049972.6/53

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4389.062 $\pm$ 568.807 χ^2 /NDF: 20.6/26

Left Out: 3723.433 $\pm$ 507.155 χ^2 /NDF:25.4/23

Right Out: -4018.794 $\pm$ 539.080 χ^2 /NDF: 28.7/30

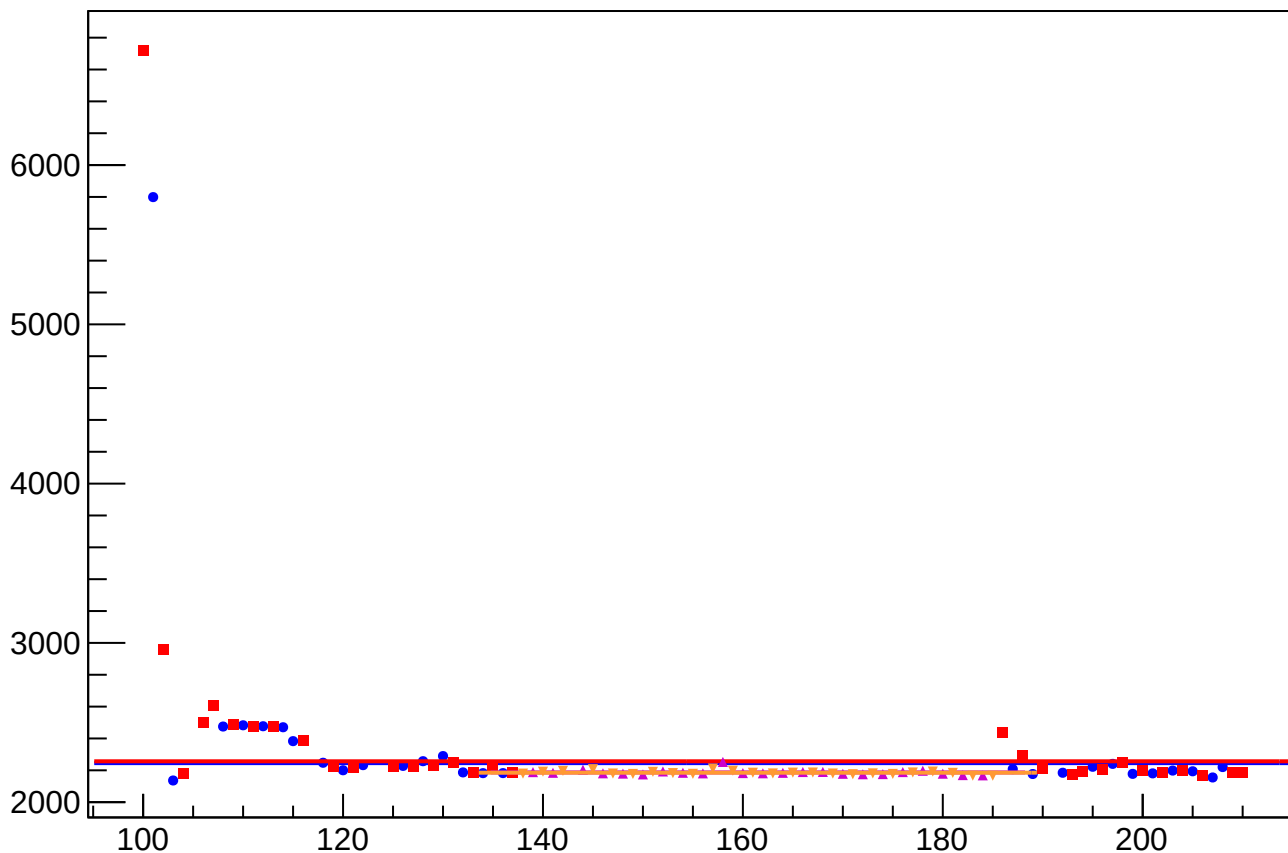
Left In: -4196.060 $\pm$ 510.578 χ^2 /NDF:32.1/22

+ sign 4018.232 $\pm$ 378.540 χ^2 /NDF: 46.9/50

All: -132.069 $\pm$ 264.853 χ^2 /NDF: 343.2/104

- sign -4112.237 $\pm$ 370.700 χ^2 /NDF: 60.8/53

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2245.163+/-0.402 χ^2/NDF : 535530.2/26

Left Out: 2185.133+/-0.359 χ^2/NDF : 815.1/23

Right Out: 2256.672+/-0.381 χ^2/NDF : 186825.4/30

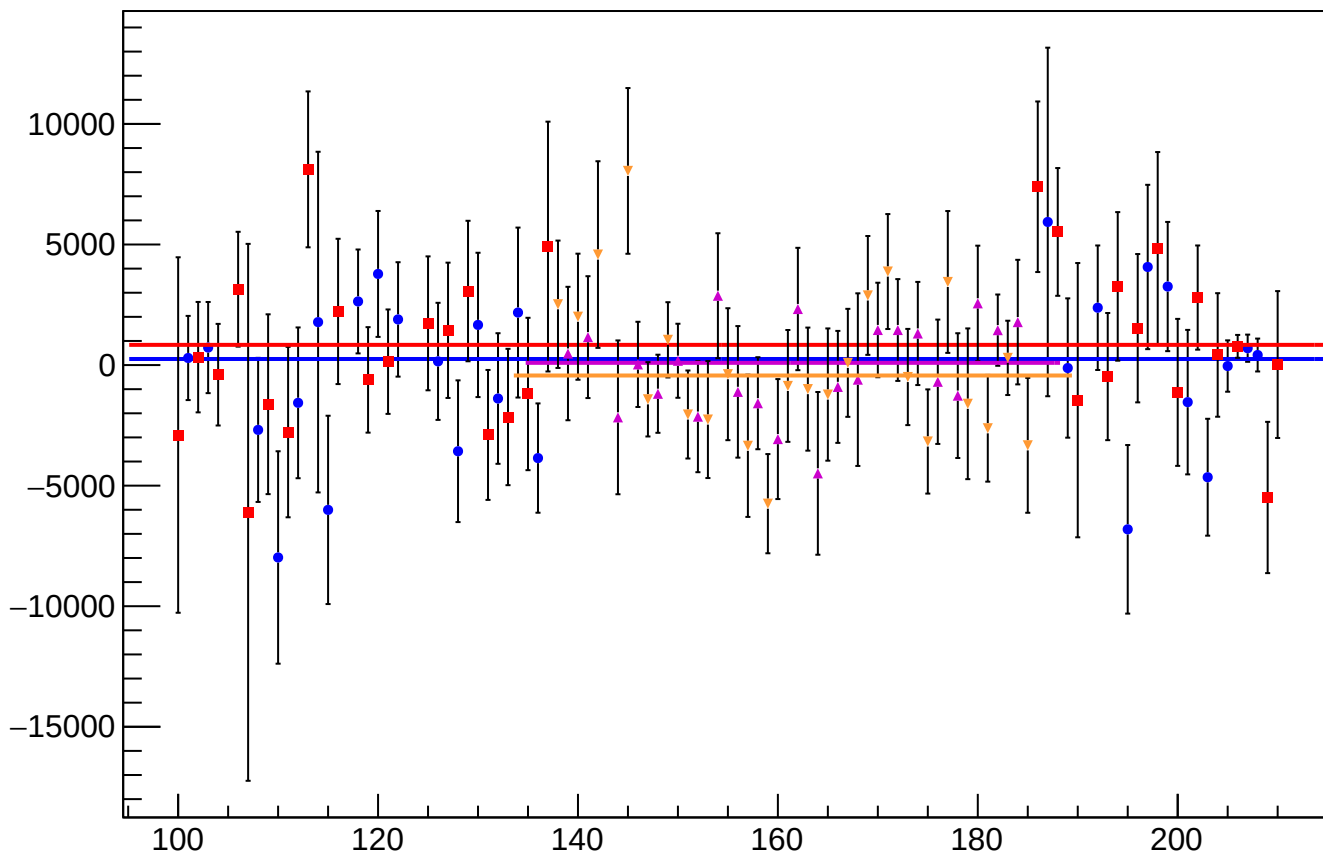
Left In: 2186.745+/-0.361 χ^2/NDF : 2063.9/22

+ sign 2211.719+/-0.268 χ^2/NDF : 548755.5/50

All: 2215.850+/-0.187 χ^2/NDF : 755850.5/104

- sign 2219.811+/-0.262 χ^2/NDF : 206628.4/53

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: 252.277+/-326.814 χ^2/NDF : 30.0/26

Left Out: -432.320+/-462.383 χ^2/NDF :31.3/23

Right Out: 838.233+/-354.137 χ^2/NDF : 28.2/30

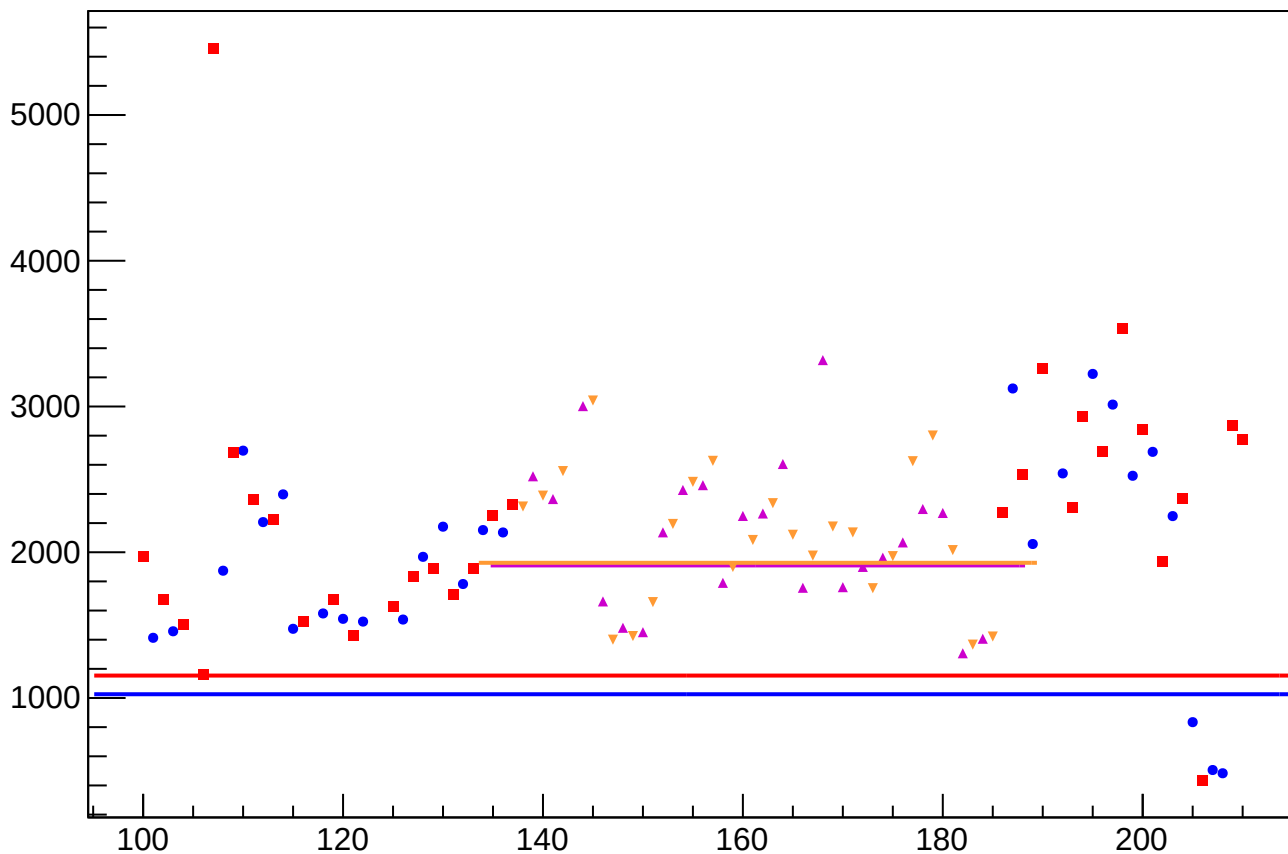
Left In: 92.604+/-460.670 χ^2/NDF :12.8/22

+ sign 24.208+/-266.881 χ^2/NDF : 62.7/50

All: 279.132+/-193.435 χ^2/NDF : 107.3/104

- sign 561.269+/-280.764 χ^2/NDF : 42.6/53

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 1025.789+/-0.231 χ^2 /NDF: 10130995.2/26

Left Out: 1927.659+/-0.327 χ^2 /NDF: 1798407.2/23

Right Out: 1153.903+/-0.250 χ^2 /NDF: 12724667.9/30

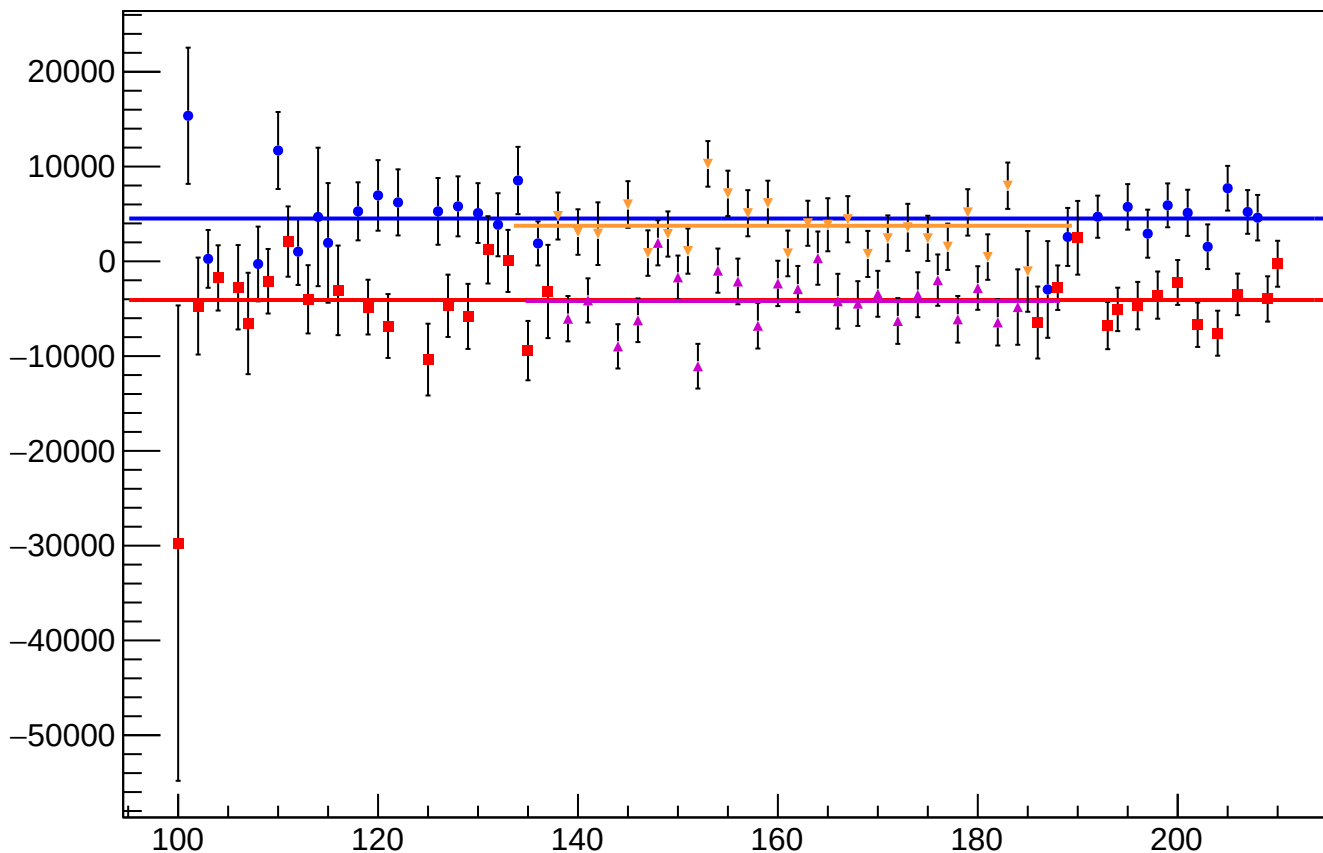
Left In: 1909.618+/-0.326 χ^2 /NDF: 1942286.8/22

+ sign 1326.240+/-0.189 χ^2 /NDF: 17003363.4/50

All: 1377.682+/-0.137 χ^2 /NDF: 35209878.5/100

- sign 1434.614+/-0.199 χ^2 /NDF: 18049972.6/53

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4517.292 ± 574.816 χ^2/NDF : 20.7/26

Left Out: 3754.065 ± 508.568 χ^2/NDF : 25.7/23

Right Out: -4080.609 ± 546.873 χ^2/NDF : 27.1/30

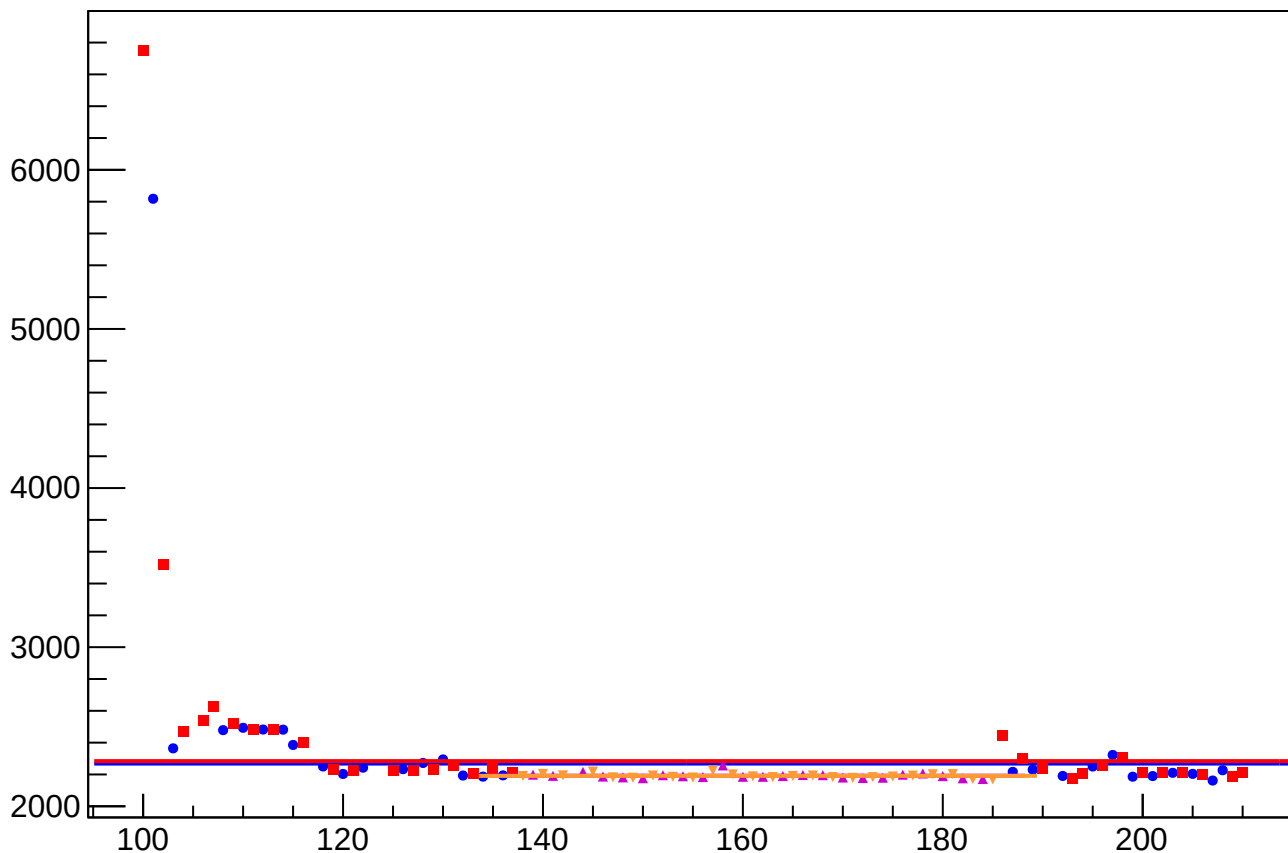
Left In: -4184.214 ± 511.864 χ^2/NDF : 32.7/22

+ sign 4089.183 ± 380.890 χ^2/NDF : 47.4/50

All: -101.624 ± 266.754 χ^2/NDF : 344.8/104

- sign -4135.833 ± 373.706 χ^2/NDF : 59.8/53

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2268.493+/-0.406 χ^2/NDF : 533218.3/26

Left Out: 2191.147+/-0.360 χ^2/NDF :1228.9/23

Right Out: 2283.891+/-0.387 χ^2/NDF : 252576.5/30

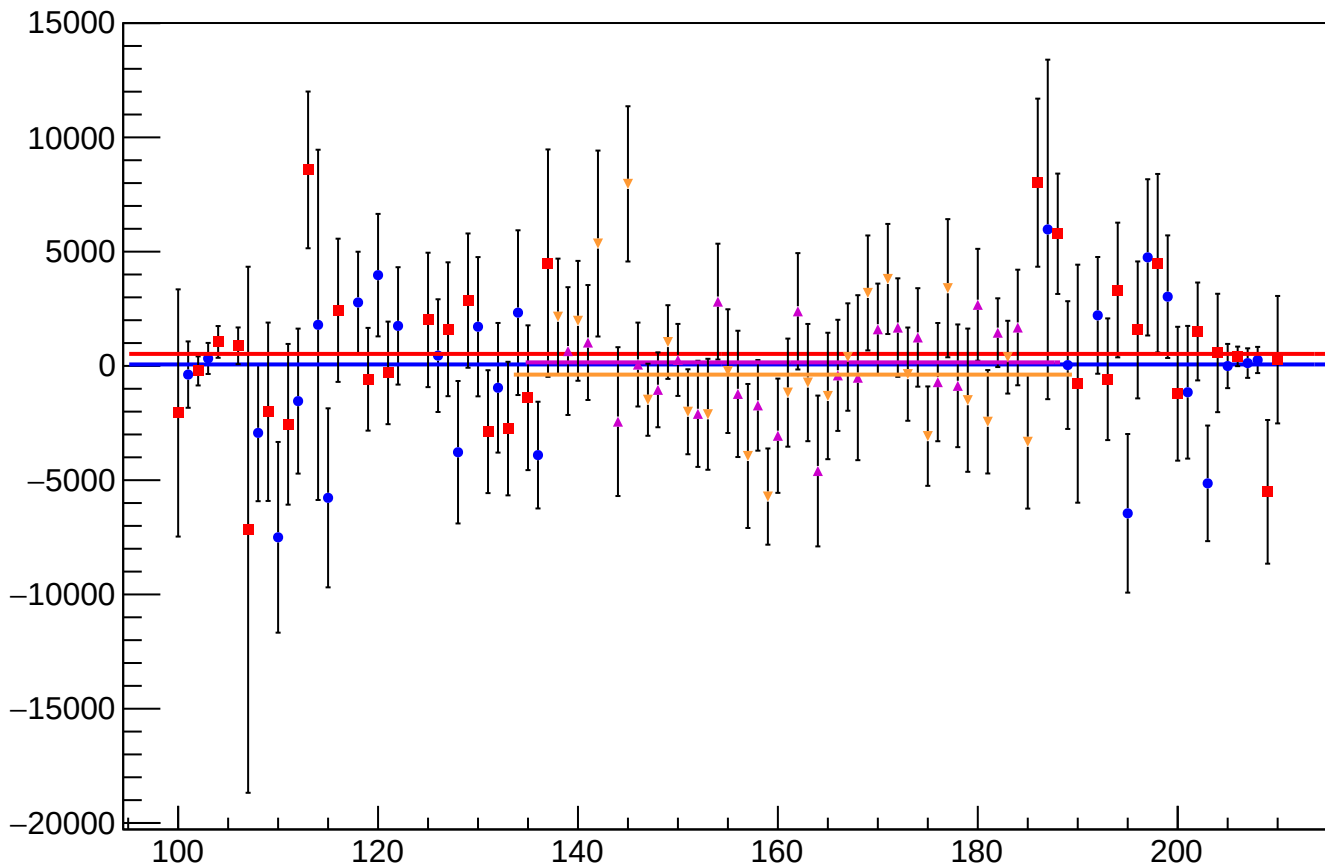
Left In: 2192.201+/-0.362 χ^2/NDF :2281.8/22

+ sign 2225.108+/-0.269 χ^2/NDF : 554759.3/50

All: 2230.157+/-0.189 χ^2/NDF : 840275.5/104

- sign 2235.018+/-0.264 χ^2/NDF : 284826.3/53

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug



Right In: 64.549 $\pm$ 293.190 χ^2 /NDF: 28.9/26

Left Out: -380.488 $\pm$ 471.481 χ^2 /NDF:30.8/23

Right Out: 525.537 $\pm$ 262.792 χ^2 /NDF: 29.9/30

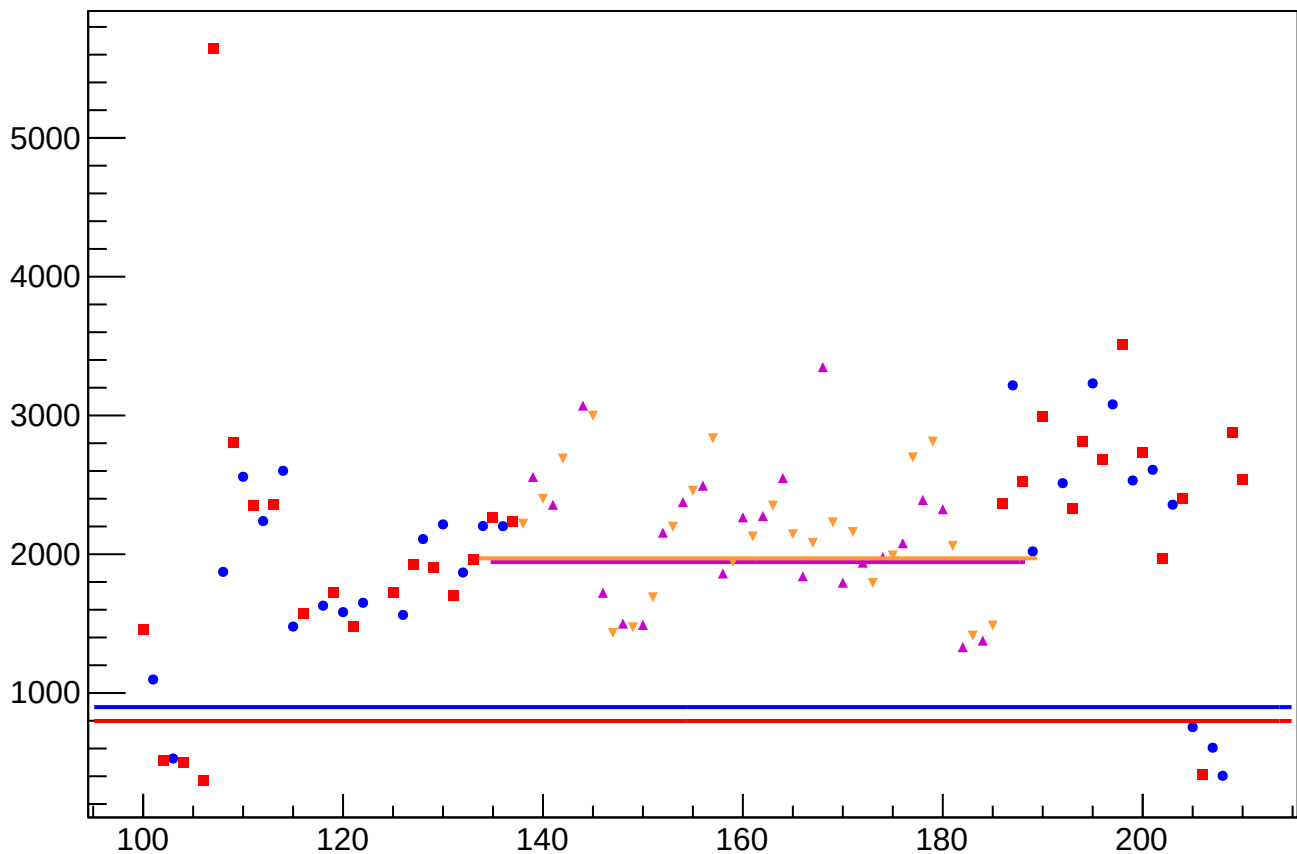
Left In: 154.512 $\pm$ 467.999 χ^2 /NDF:12.8/22

+ sign -59.555 $\pm$ 248.977 χ^2 /NDF: 60.3/50

All: 209.070 $\pm$ 168.603 χ^2 /NDF: 105.6/104

- sign 436.594 $\pm$ 229.139 χ^2 /NDF: 43.2/53

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 898.460 $\pm$ 0.207 χ^2 /NDF: 11199948.3/26

Left Out: 1970.655 $\pm$ 0.333 χ^2 /NDF:1696659.6/23

Right Out: 798.299 $\pm$ 0.186 χ^2 /NDF: 16075342.6/30

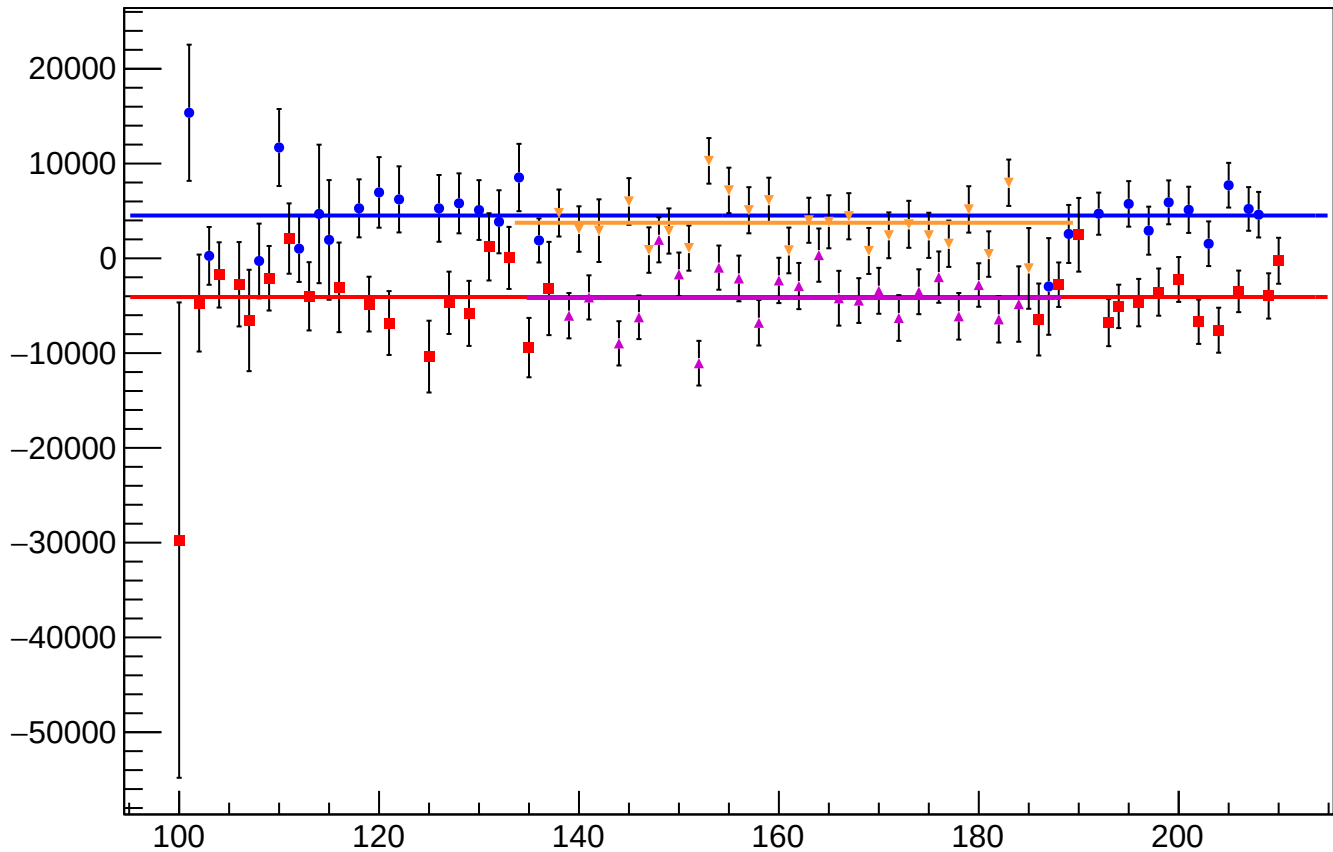
Left In: 1943.628 $\pm$ 0.331 χ^2 /NDF:1882933.7/22

+ sign 1197.455 $\pm$ 0.176 χ^2 /NDF: 20355394.3/50

All: 1129.996 $\pm$ 0.119 χ^2 /NDF: 47691789.9/1

- sign 1072.859 $\pm$ 0.162 χ^2 /NDF: 27065218.3/53

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4517.290 $\pm$ 574.815 χ^2 /NDF: 20.7/26

Left Out: 3754.064 $\pm$ 508.568 χ^2 /NDF:25.7/23

Right Out: -4080.605 $\pm$ 546.873 χ^2 /NDF: 27.1/30

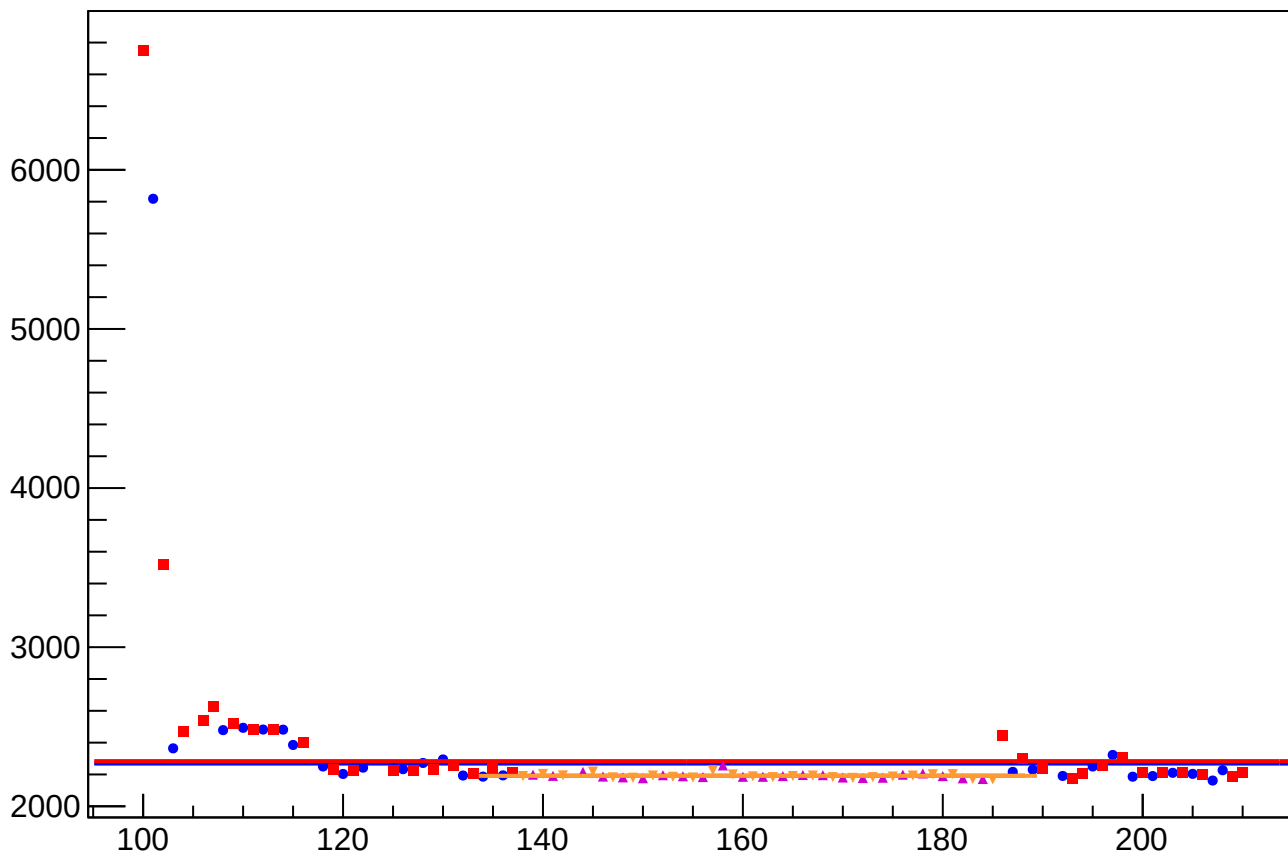
Left In: -4184.214 $\pm$ 511.864 χ^2 /NDF:32.7/22

+ sign 4089.181 $\pm$ 380.890 χ^2 /NDF: 47.4/50

All: -101.624 $\pm$ 266.754 χ^2 /NDF: 344.8/104

- sign -4135.832 $\pm$ 373.706 χ^2 /NDF: 59.8/53

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2268.493+/-0.406 χ^2/NDF : 533218.2/26

Left Out: 2191.147+/-0.360 χ^2/NDF :1228.9/23

Right Out: 2283.891+/-0.387 χ^2/NDF : 252575.3/30

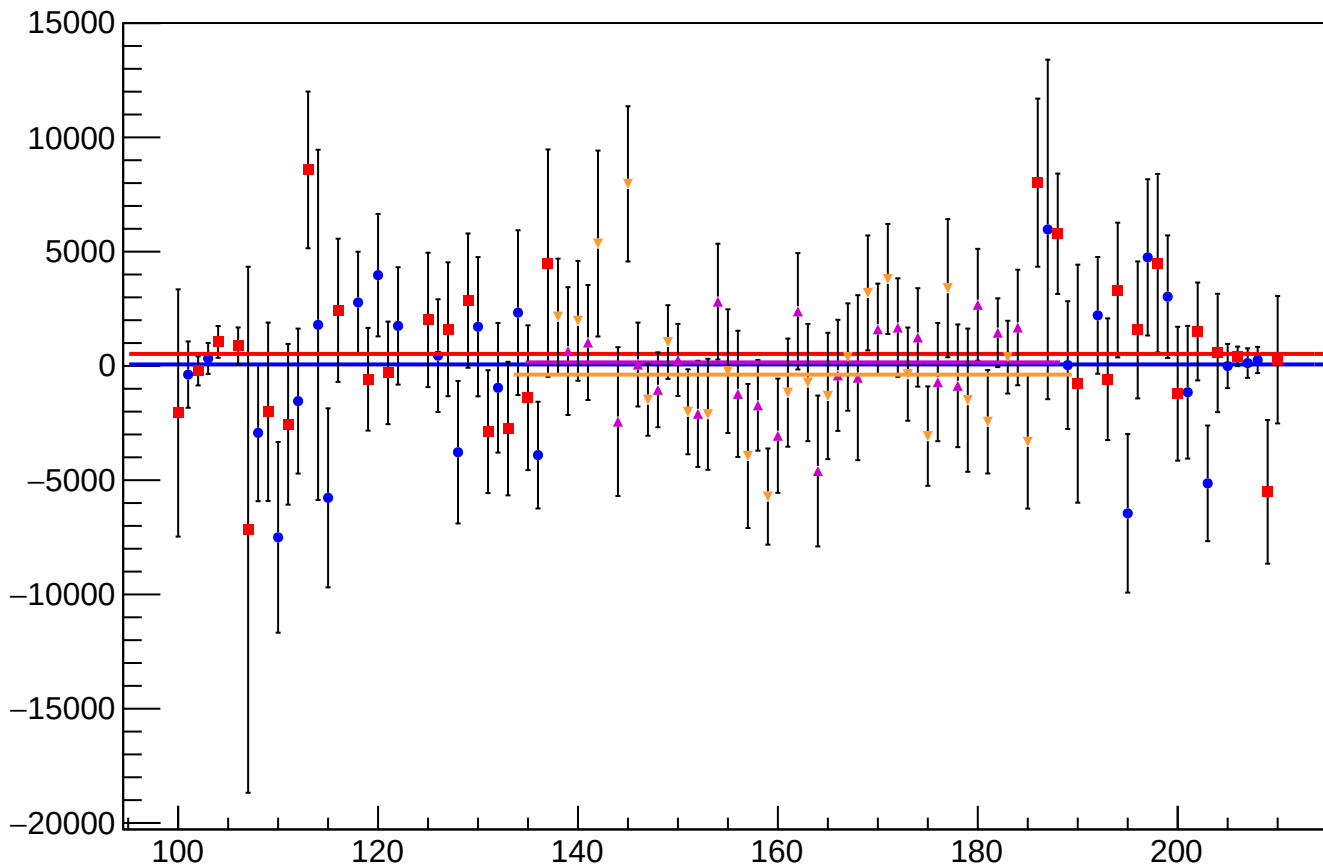
Left In: 2192.201+/-0.362 χ^2/NDF :2281.8/22

+ sign 2225.108+/-0.269 χ^2/NDF : 554759.1/50

All: 2230.157+/-0.189 χ^2/NDF : 840273.8/104

- sign 2235.017+/-0.264 χ^2/NDF : 284824.9/53

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: 64.545 $\pm$ 293.190 χ^2 /NDF: 28.9/26

Left Out: -380.492 $\pm$ 471.482 χ^2 /NDF:30.8/23

Right Out: 525.534 $\pm$ 262.793 χ^2 /NDF: 29.9/30

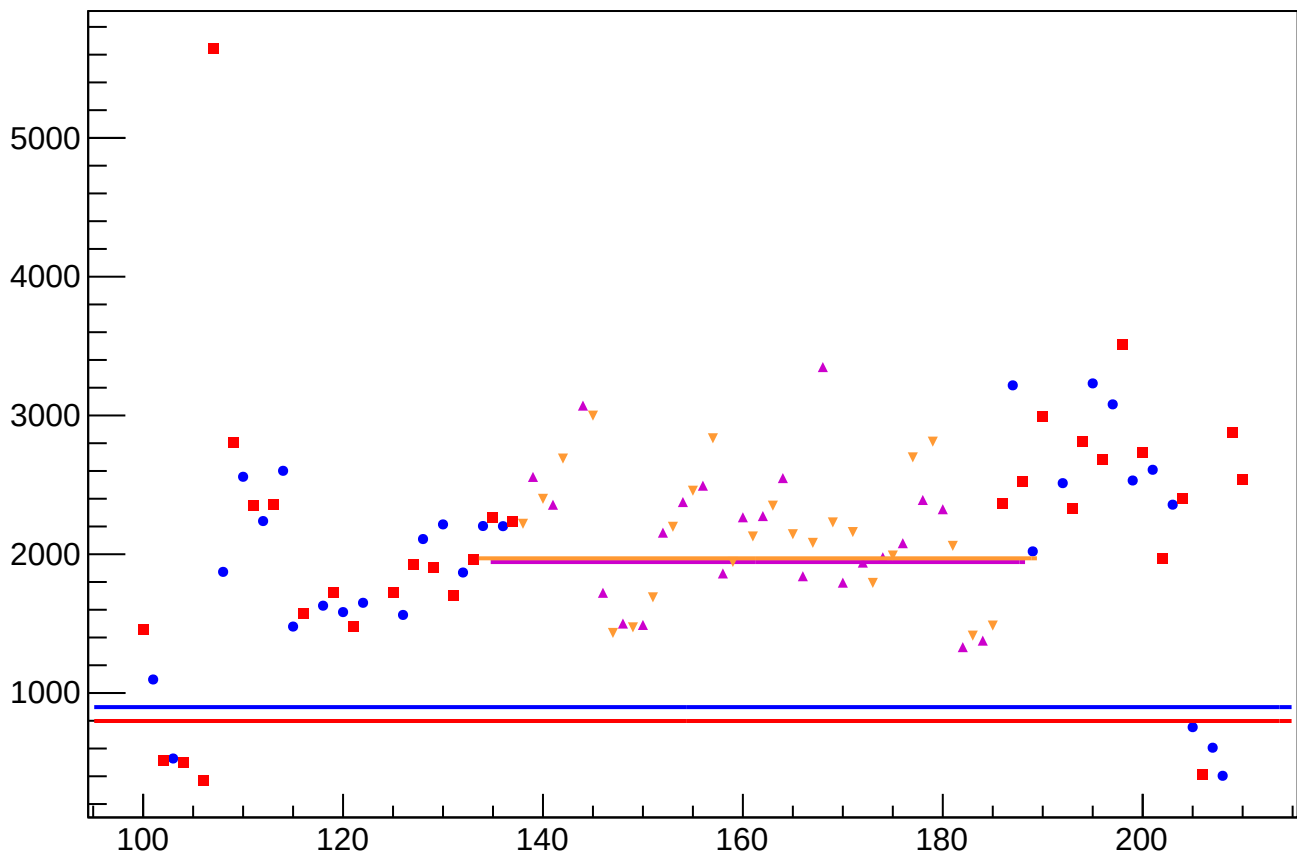
Left In: 154.512 $\pm$ 468.000 χ^2 /NDF:12.8/22

+ sign -59.559 $\pm$ 248.977 χ^2 /NDF: 60.3/50

All: 209.067 $\pm$ 168.604 χ^2 /NDF: 105.6/104

- sign 436.592 $\pm$ 229.140 χ^2 /NDF: 43.2/53

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 898.460 $\pm$ 0.207 χ^2 /NDF: 11199964.9/26

Left Out: 1970.659 $\pm$ 0.333 χ^2 /NDF:1696658.8/23

Right Out: 798.304 $\pm$ 0.186 χ^2 /NDF: 16075271.4/30

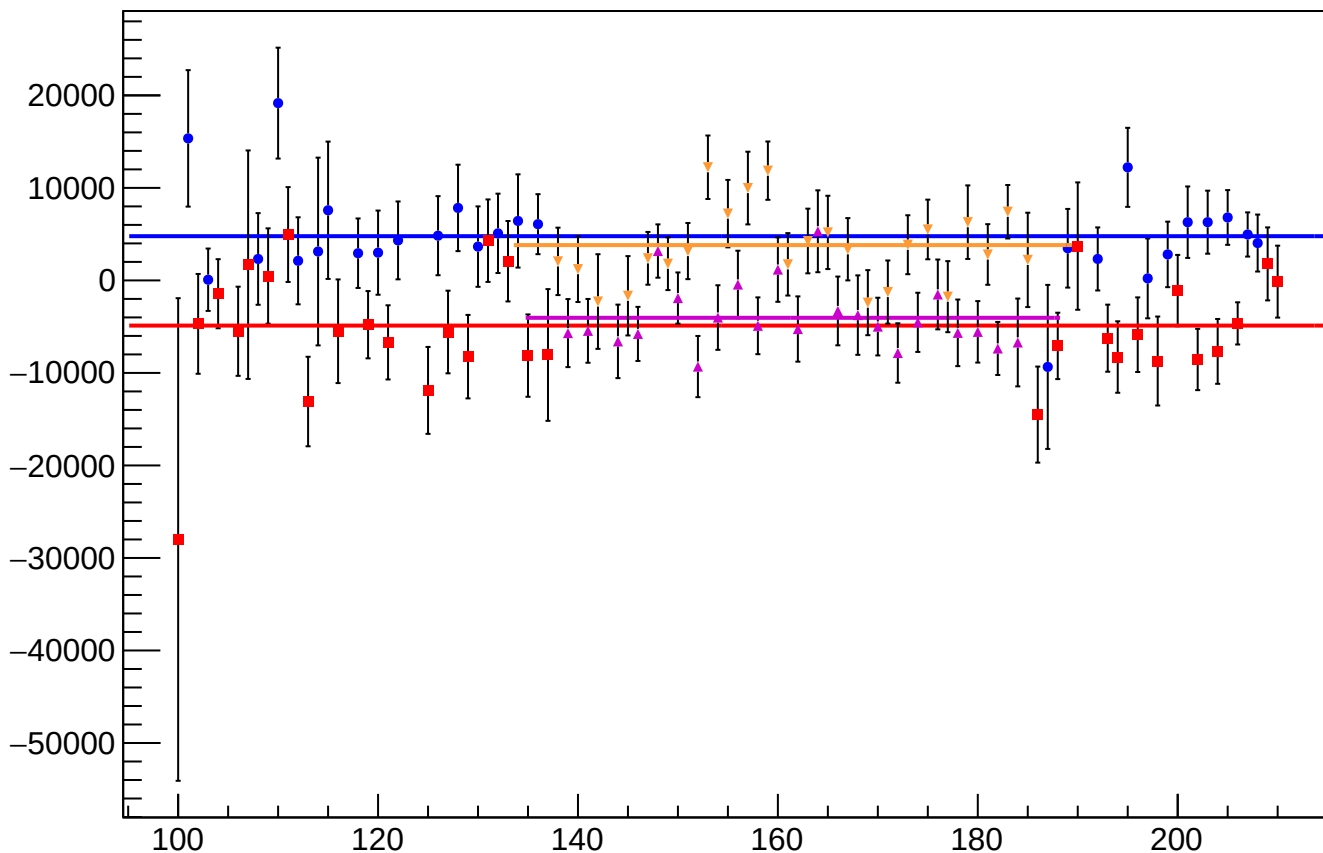
Left In: 1943.631 $\pm$ 0.331 χ^2 /NDF:1882931.8/22

+ sign 1197.455 $\pm$ 0.176 χ^2 /NDF: 20355441.3/50

All: 1129.999 $\pm$ 0.119 χ^2 /NDF: 47691678.3/1

- sign 1072.864 $\pm$ 0.162 χ^2 /NDF: 27065083.4/53

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4780.351 $\pm$ 776.930 χ^2 /NDF: 20.2/26

Left Out: 3817.837 $\pm$ 708.312 χ^2 /NDF:30.9/23

Right Out: -4882.233 $\pm$ 764.784 χ^2 /NDF: 34.3/30

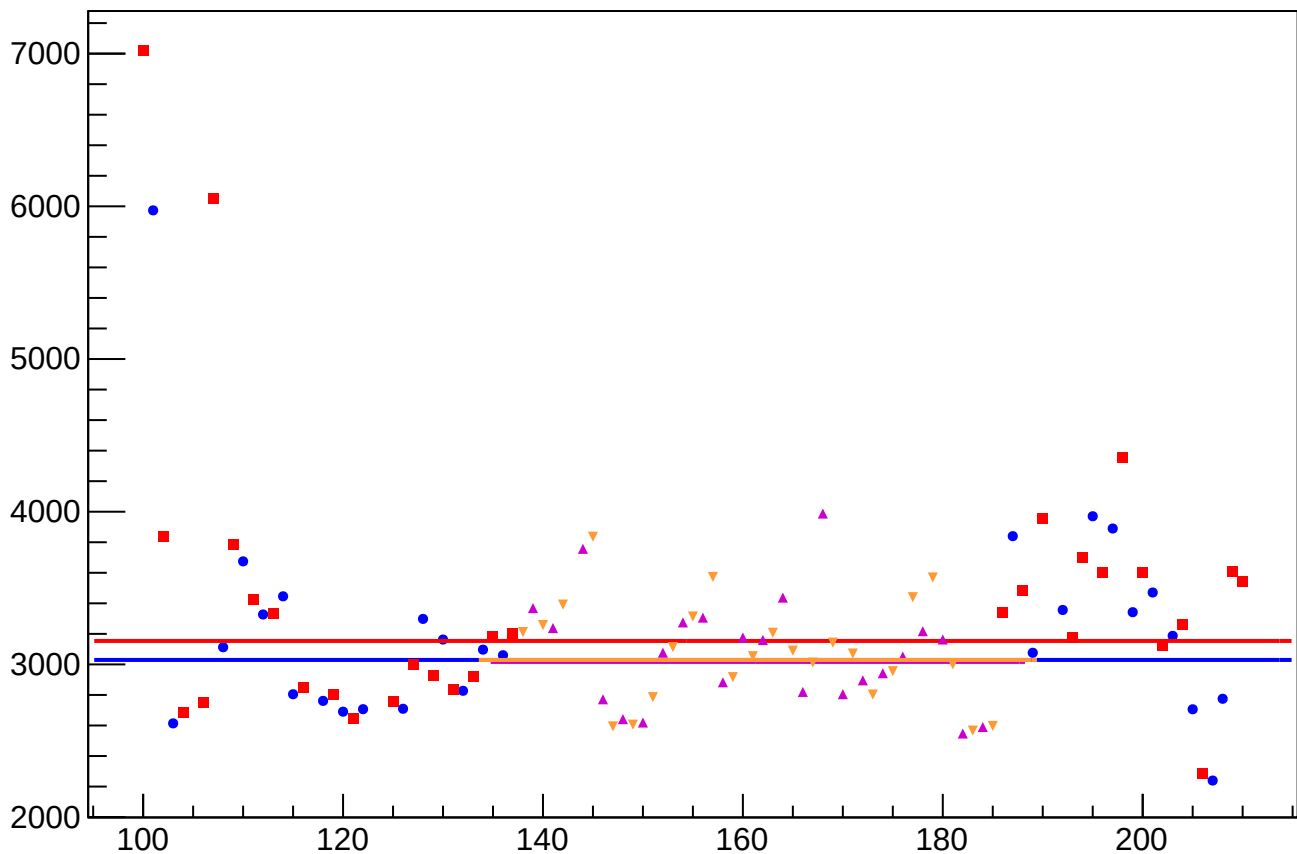
Left In: -4042.422 $\pm$ 709.573 χ^2 /NDF:22.5/22

+ sign 4254.721 $\pm$ 523.433 χ^2 /NDF: 51.9/50

All: -115.274 $\pm$ 368.963 χ^2 /NDF: 247.9/104

- sign -4430.922 $\pm$ 520.168 χ^2 /NDF: 57.4/53

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3029.315+/-0.549 χ^2/NDF : 957999.2/26

Left Out: 3028.983+/-0.501 χ^2/NDF : 397111.2/23

Right Out: 3153.651+/-0.541 χ^2/NDF : 965214.2/30

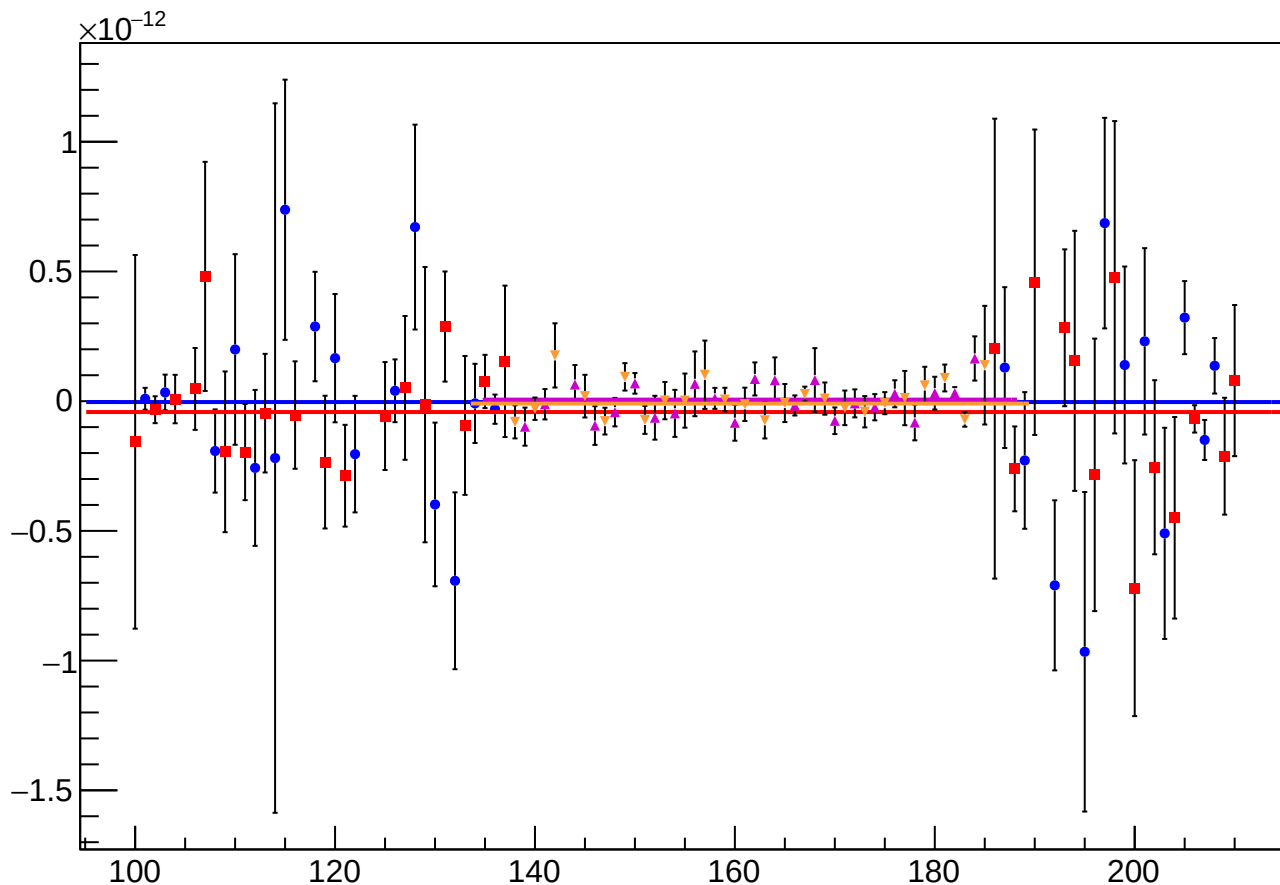
Left In: 3016.252+/-0.502 χ^2/NDF : 439897.8/22

+ sign 3029.134+/-0.370 χ^2/NDF : 1355110.5/50

All: 3054.632+/-0.261 χ^2/NDF : 2804346.9/10

- sign 3079.814+/-0.368 χ^2/NDF : 1439803.1/53

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 40.7/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:24.2/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.7/30

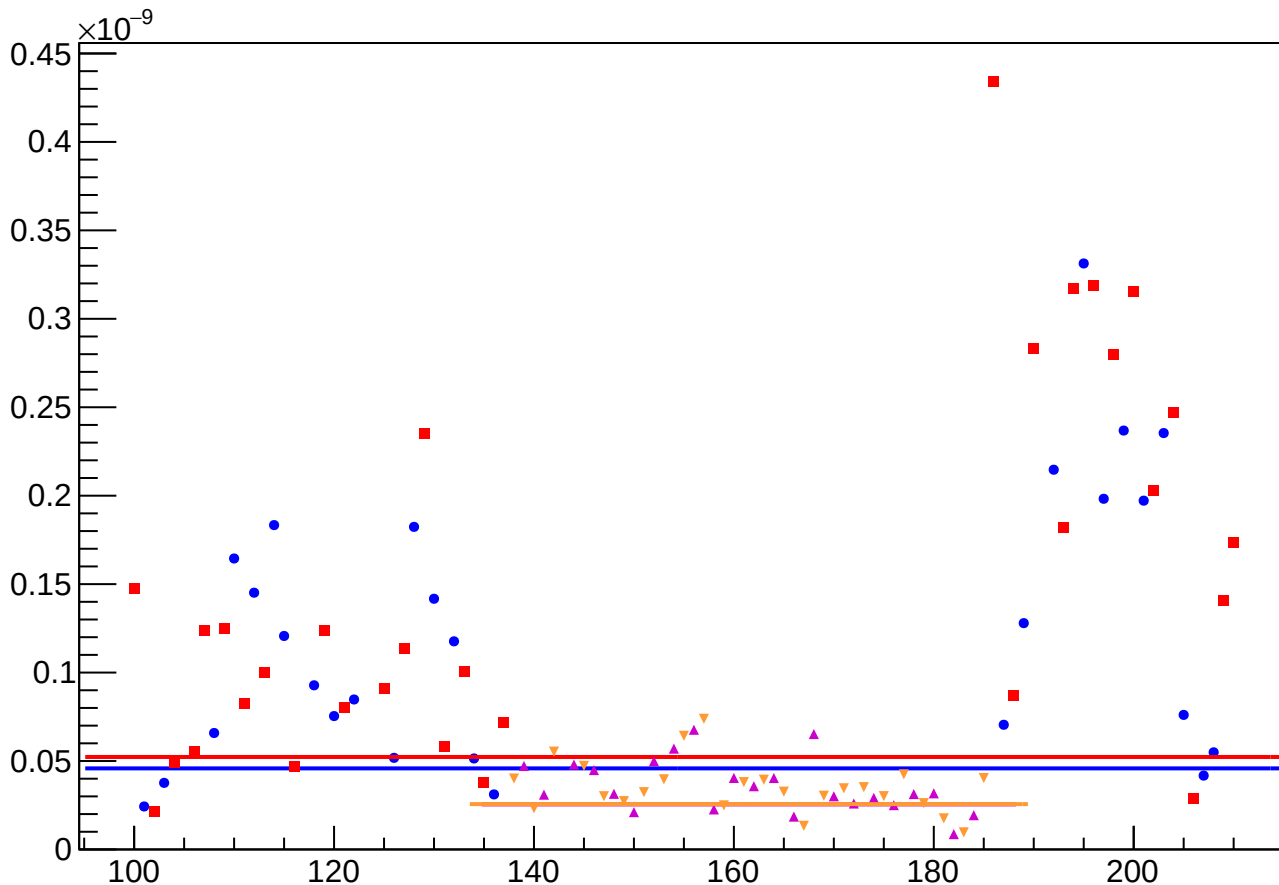
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:23.3/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 65.0/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 109.8/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 44.6/53

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 4776029.8/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2439953.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6788805.0/30

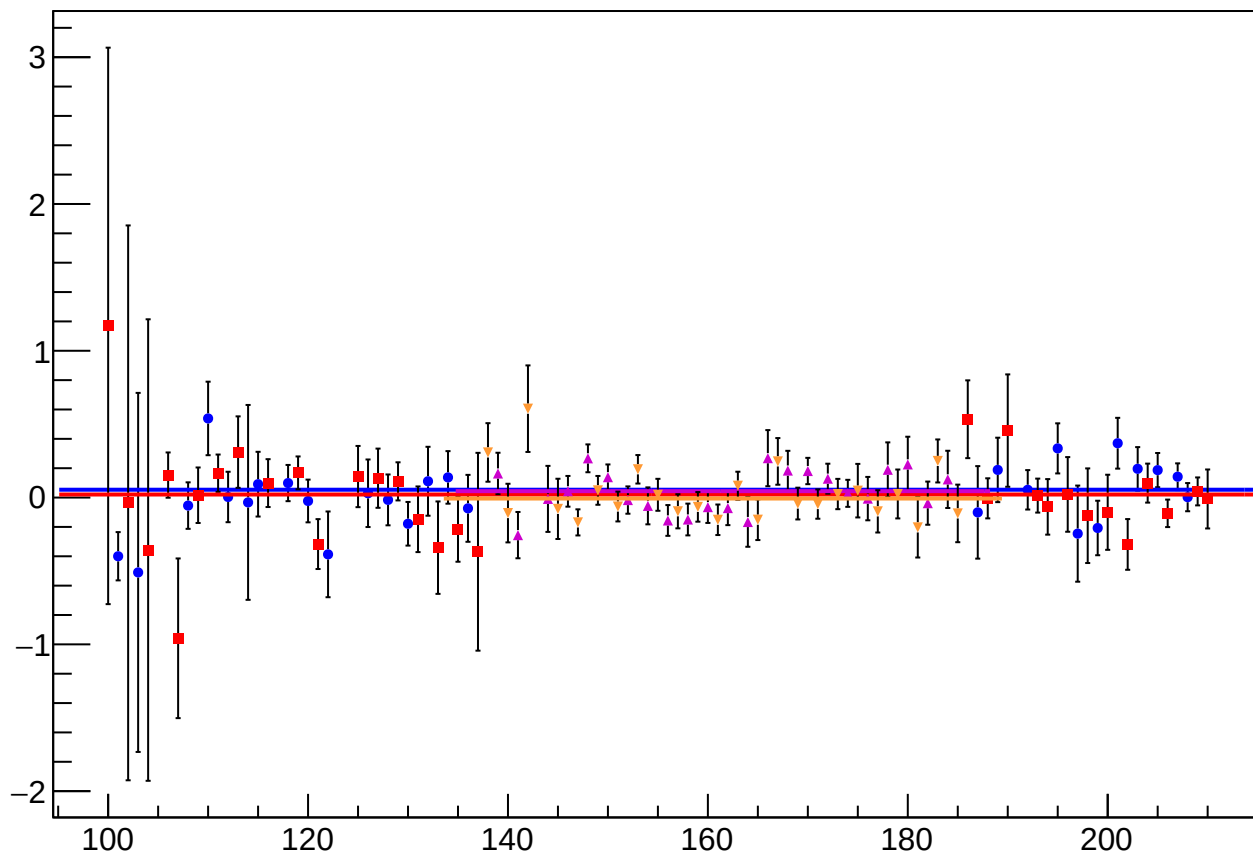
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2808054.6/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 8371230.8/50

All: 0.000 $\pm$ 0.000 χ^2/NDF : 19590987.9/104

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 11219727.7/53

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.053 ± 0.032 χ^2/NDF : 31.0/26

Left Out: -0.007 ± 0.025 χ^2/NDF : 27.7/23

Right Out: 0.021 ± 0.031 χ^2/NDF : 29.4/30

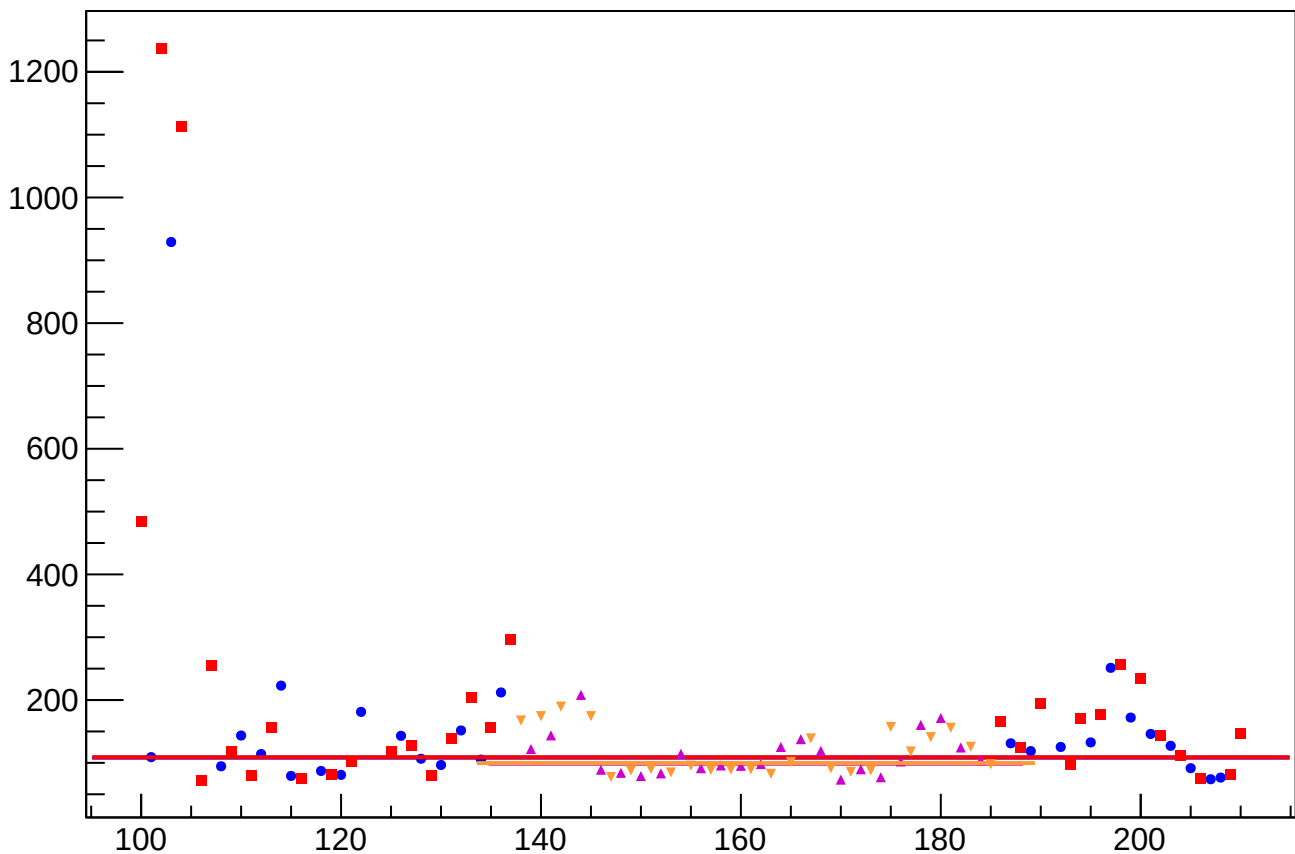
Left In: 0.044 ± 0.025 χ^2/NDF : 30.3/22

+ sign 0.017 ± 0.020 χ^2/NDF : 60.9/50

All: 0.026 ± 0.014 χ^2/NDF : 121.2/104

- sign 0.035 ± 0.020 χ^2/NDF : 59.9/53

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 108.376 $\pm$ 0.023 χ^2 /NDF: 3225256.7/26

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF:2070986.6/23

Right Out: 108.896 $\pm$ 0.022 χ^2 /NDF: 4925079.5/30

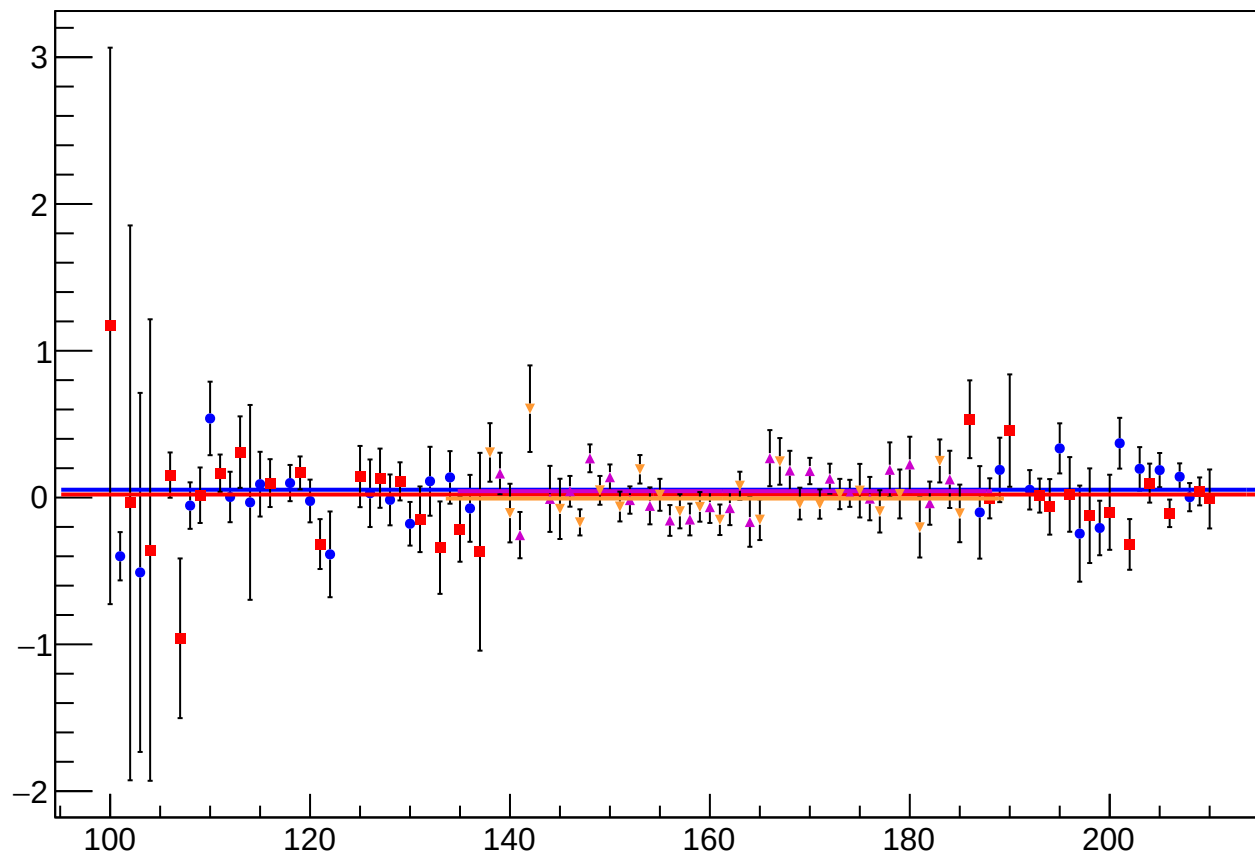
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF:2003365.1/22

+ sign 102.984 $\pm$ 0.014 χ^2 /NDF: 5389275.3/50

All: 102.823 $\pm$ 0.010 χ^2 /NDF: 12448146.2/10

- sign 102.666 $\pm$ 0.014 χ^2 /NDF: 7058610.6/53

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.053 ± 0.032 χ^2/NDF : 31.0/26

Left Out: -0.007 ± 0.025 χ^2/NDF : 27.7/23

Right Out: 0.021 ± 0.031 χ^2/NDF : 29.4/30

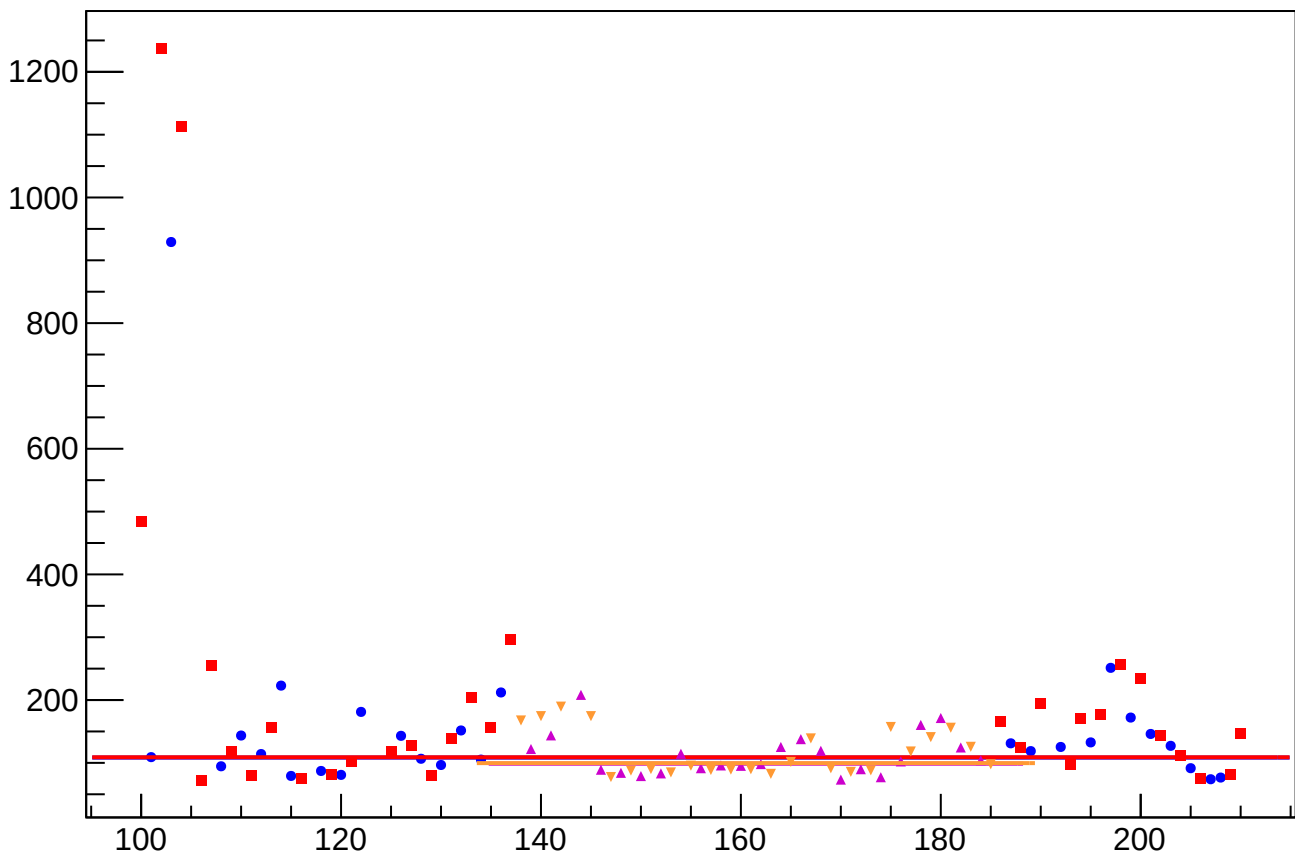
Left In: 0.044 ± 0.025 χ^2/NDF : 30.3/22

+ sign 0.017 ± 0.020 χ^2/NDF : 60.9/50

All: 0.026 ± 0.014 χ^2/NDF : 121.2/104

- sign 0.035 ± 0.020 χ^2/NDF : 59.9/53

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 108.376 $\pm$ 0.023 χ^2 /NDF: 3225256.7/26

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF:2070986.6/23

Right Out: 108.896 $\pm$ 0.022 χ^2 /NDF: 4925079.5/30

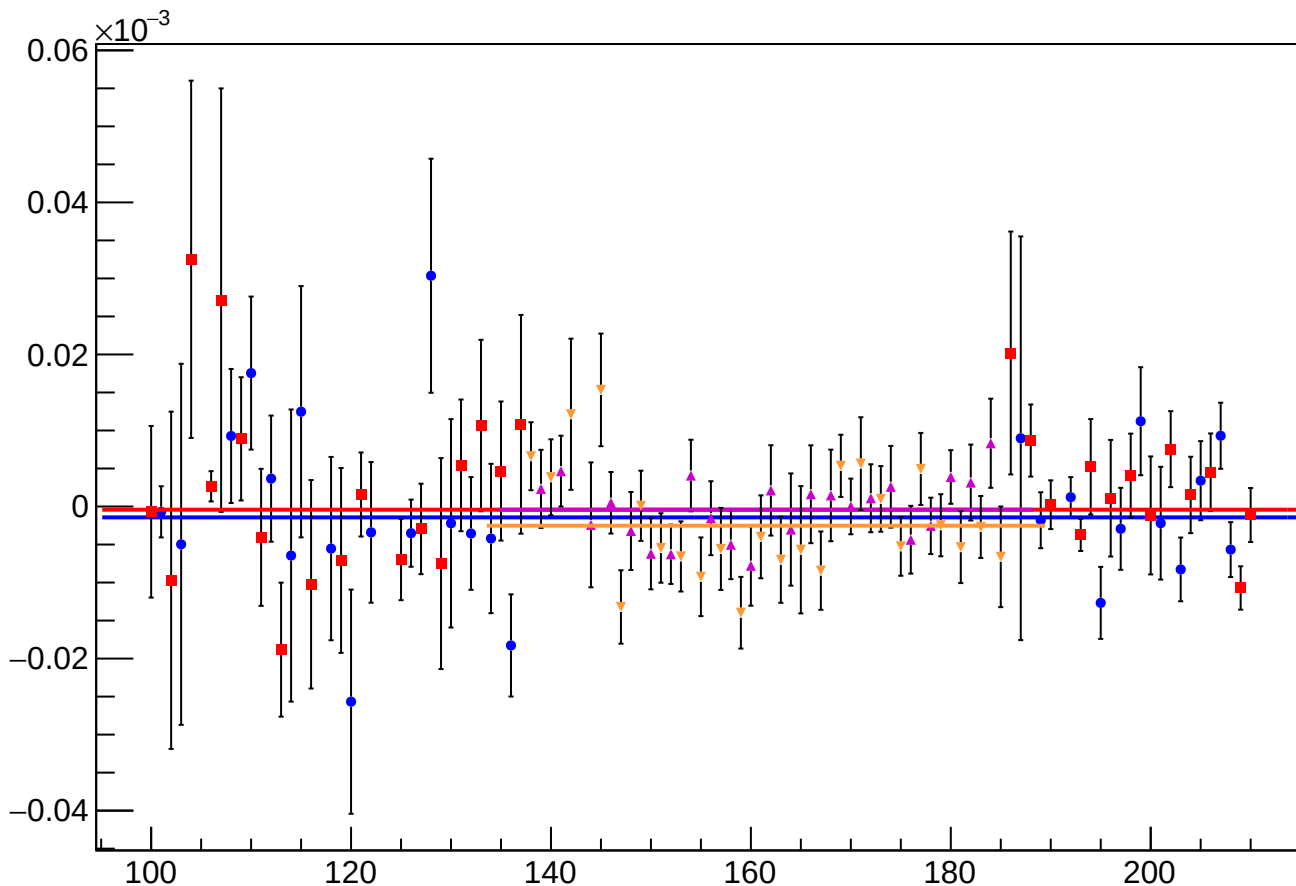
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF:2003365.1/22

+ sign 102.984 $\pm$ 0.014 χ^2 /NDF: 5389275.3/50

All: 102.823 $\pm$ 0.010 χ^2 /NDF: 12448146.2/10

- sign 102.666 $\pm$ 0.014 χ^2 /NDF: 7058610.6/53

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 41.1/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:40.2/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.6/30

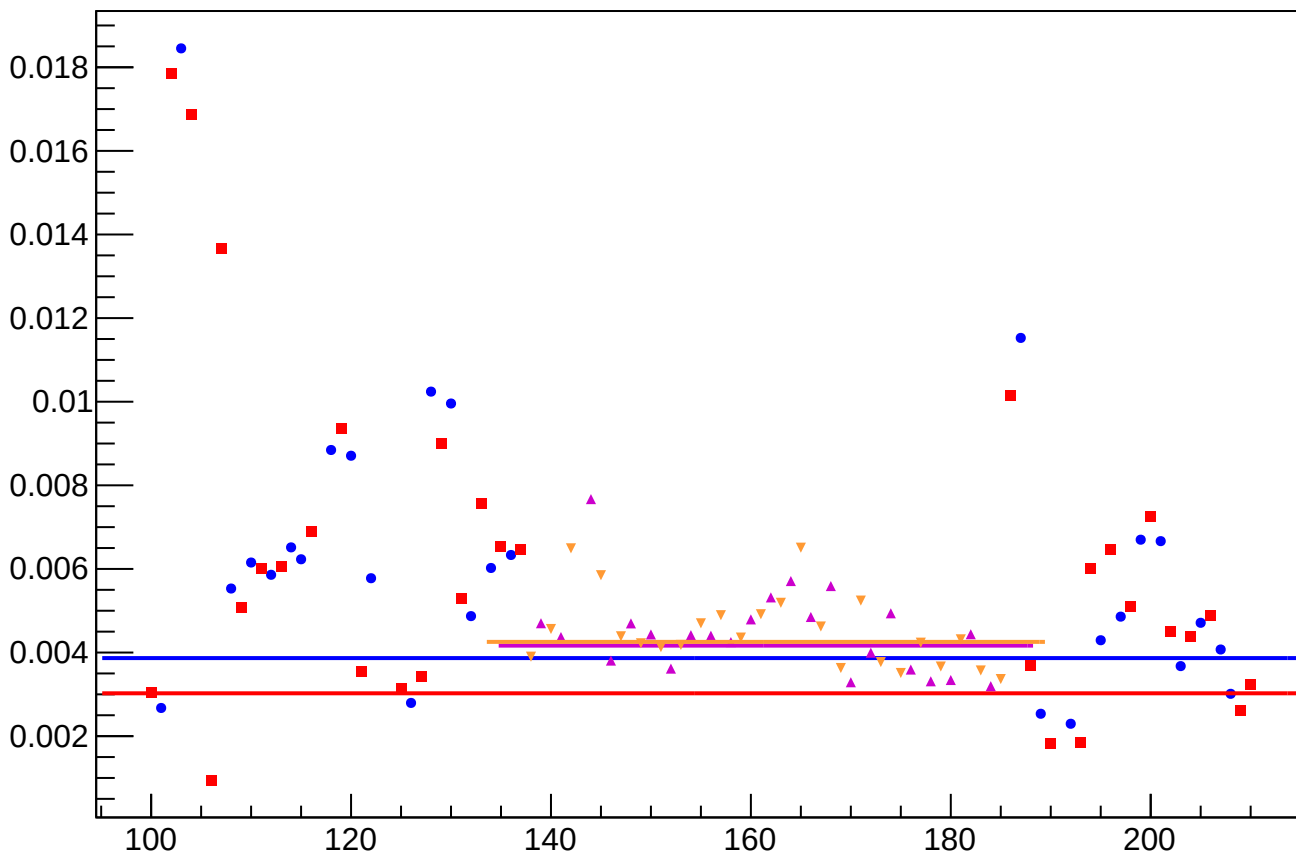
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:15.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 81.8/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 142.9/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 58.5/53

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 5273044.4/26

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:833222.5/23

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 10342760.7/30

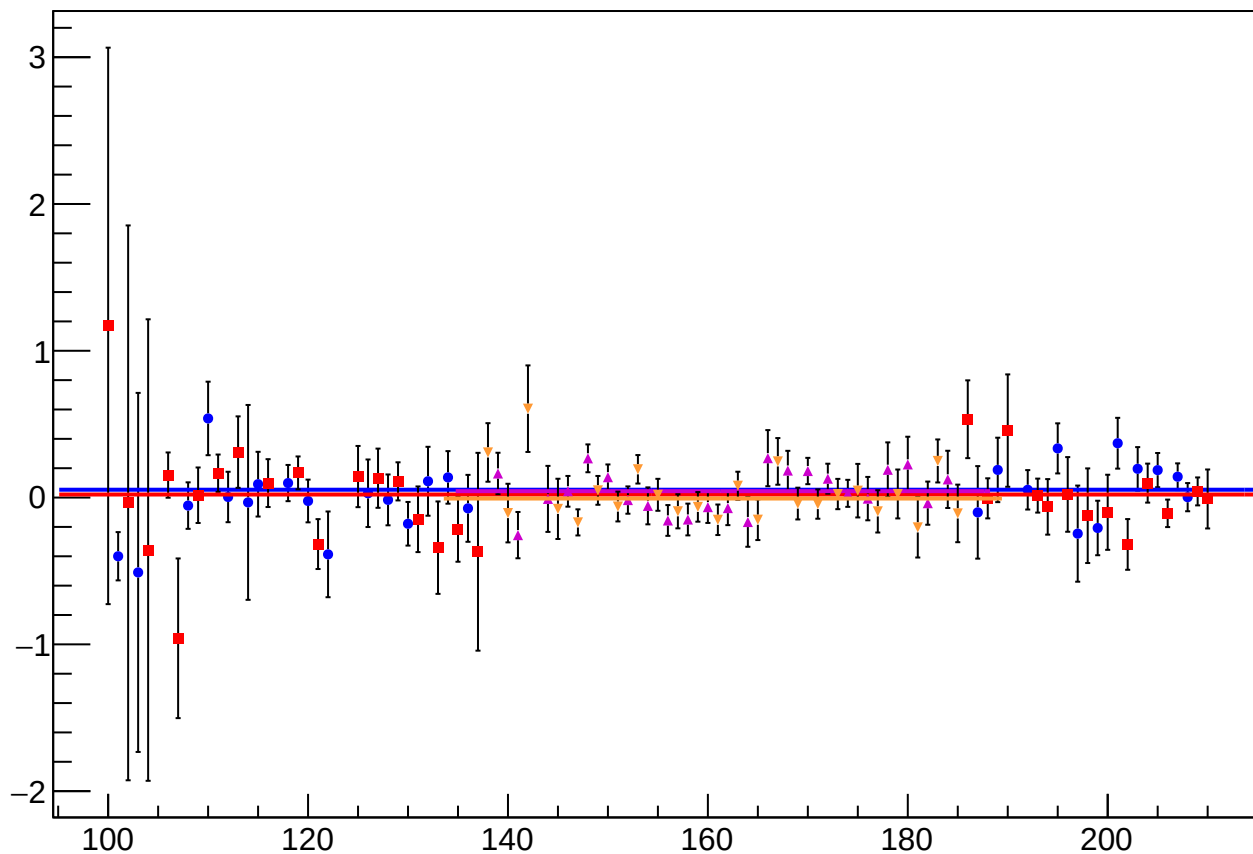
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1277434.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6241004.4/50

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 19892448.8/104

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 13068841.1/53

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.053 $\pm$ 0.032 χ^2 /NDF: 31.0/26

Left Out: -0.007 $\pm$ 0.025 χ^2 /NDF: 27.7/23

Right Out: 0.021 $\pm$ 0.031 χ^2 /NDF: 29.4/30

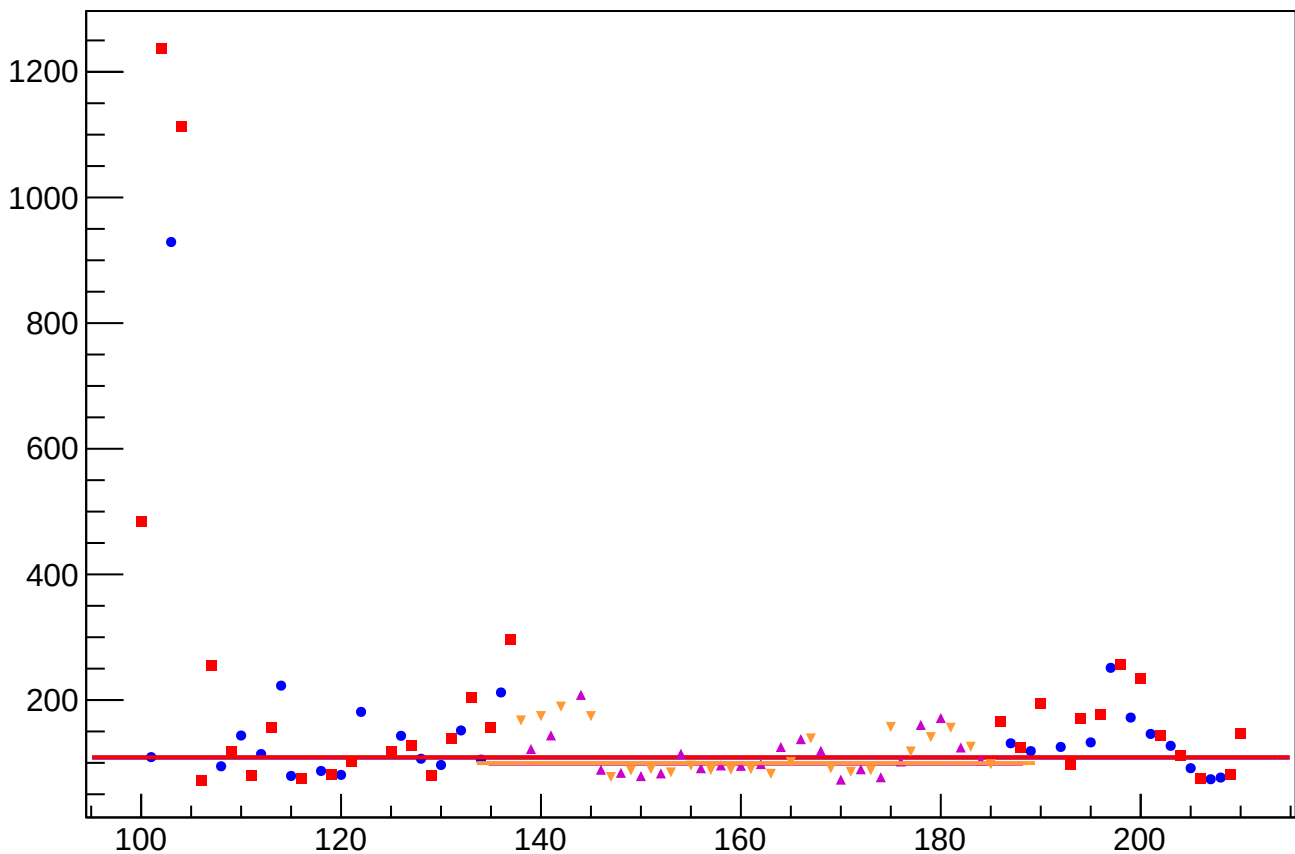
Left In: 0.044 $\pm$ 0.025 χ^2 /NDF: 30.3/22

+ sign 0.017 $\pm$ 0.020 χ^2 /NDF: 60.9/50

All: 0.026 $\pm$ 0.014 χ^2 /NDF: 121.2/104

- sign 0.035 $\pm$ 0.020 χ^2 /NDF: 59.9/53

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 108.376 $\pm$ 0.023 χ^2 /NDF: 3225188.5/26

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF: 2070951.9/23

Right Out: 108.895 $\pm$ 0.022 χ^2 /NDF: 4925051.8/30

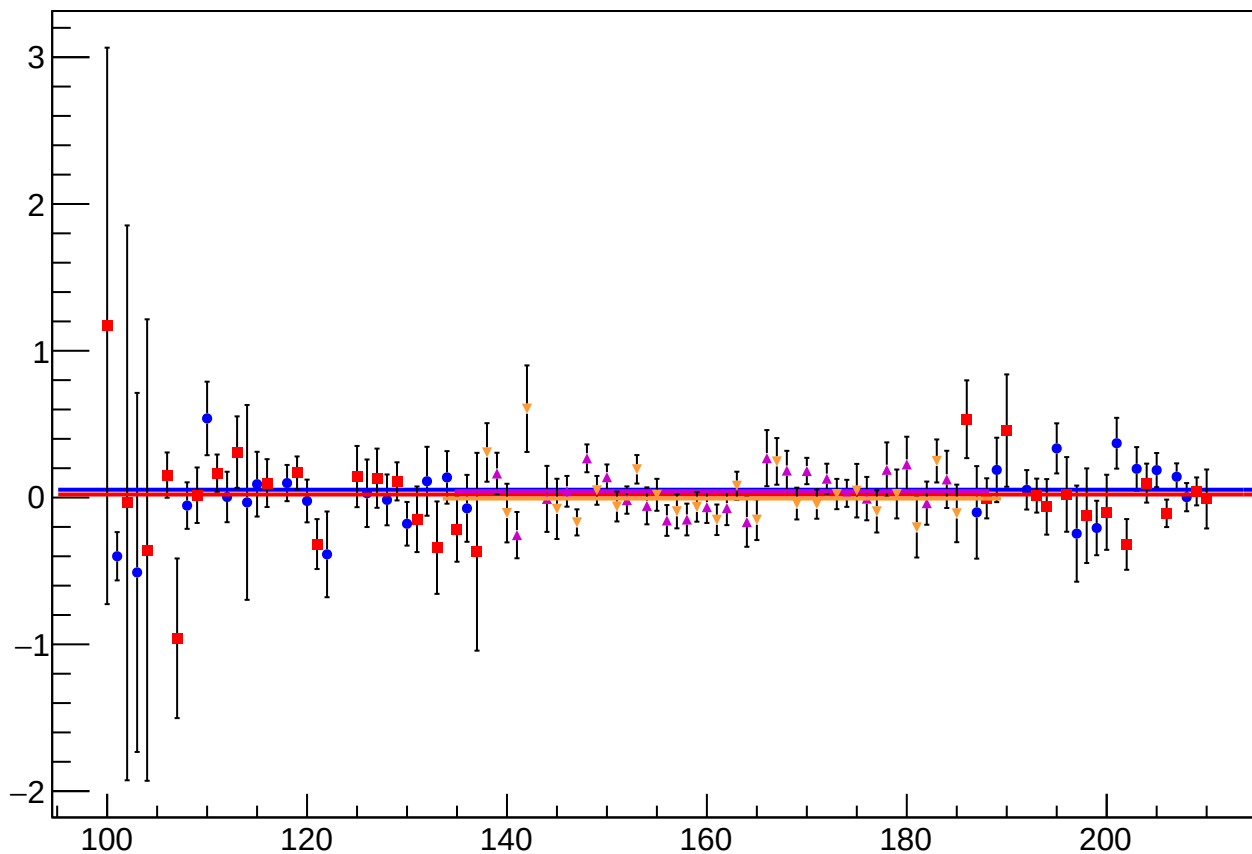
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF: 2003332.7/22

+ sign 102.984 $\pm$ 0.014 χ^2 /NDF: 5389154.4/50

All: 102.823 $\pm$ 0.010 χ^2 /NDF: 12447948.5/10

- sign 102.666 $\pm$ 0.014 χ^2 /NDF: 7058533.4/53

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.053 ± 0.032 χ^2/NDF : 31.0/26

Left Out: -0.007 ± 0.025 χ^2/NDF : 27.7/23

Right Out: 0.021 ± 0.031 χ^2/NDF : 29.4/30

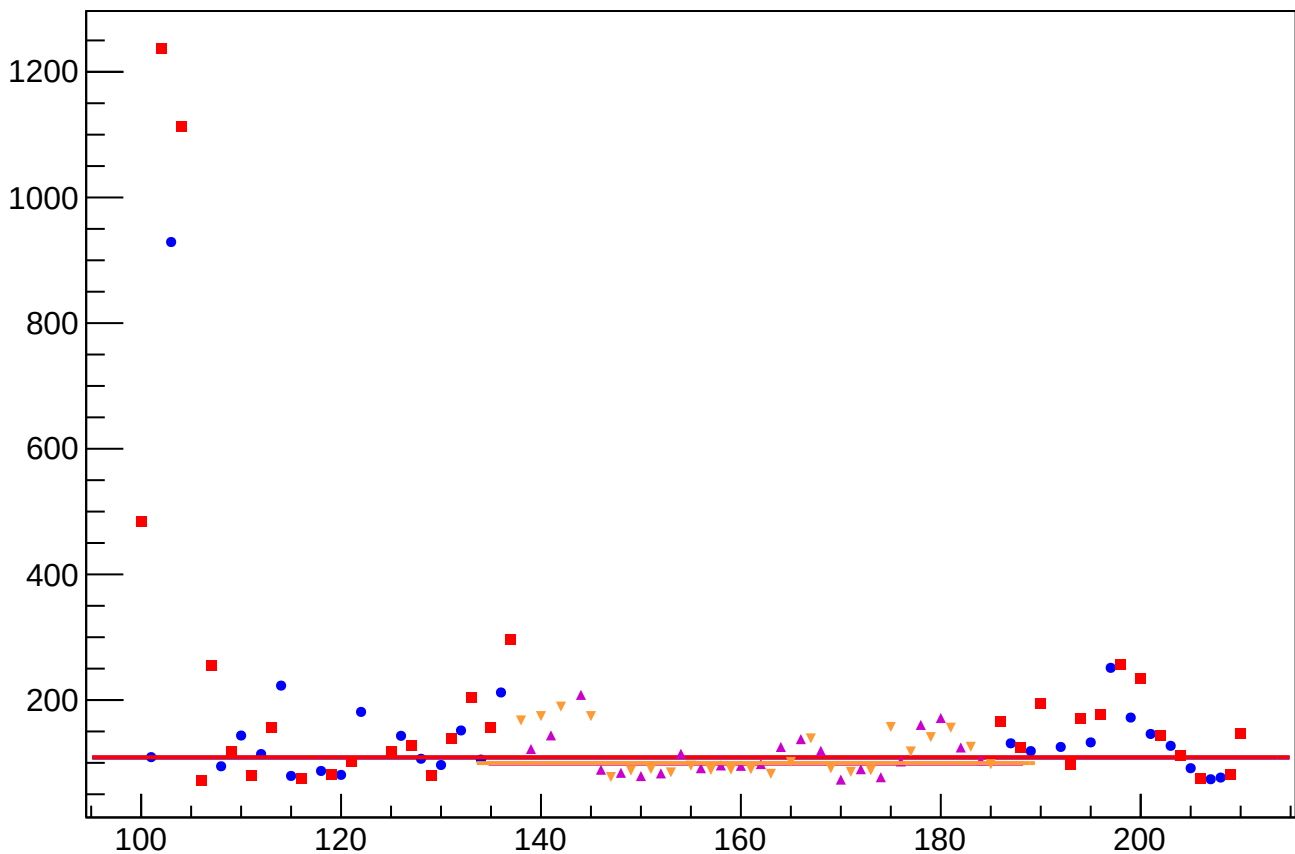
Left In: 0.044 ± 0.025 χ^2/NDF : 30.3/22

+ sign 0.017 ± 0.020 χ^2/NDF : 60.9/50

All: 0.026 ± 0.014 χ^2/NDF : 121.2/104

- sign 0.035 ± 0.020 χ^2/NDF : 59.9/53

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 108.376 $\pm$ 0.023 χ^2 /NDF: 3225188.5/26

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF: 2070951.9/23

Right Out: 108.895 $\pm$ 0.022 χ^2 /NDF: 4925051.8/30

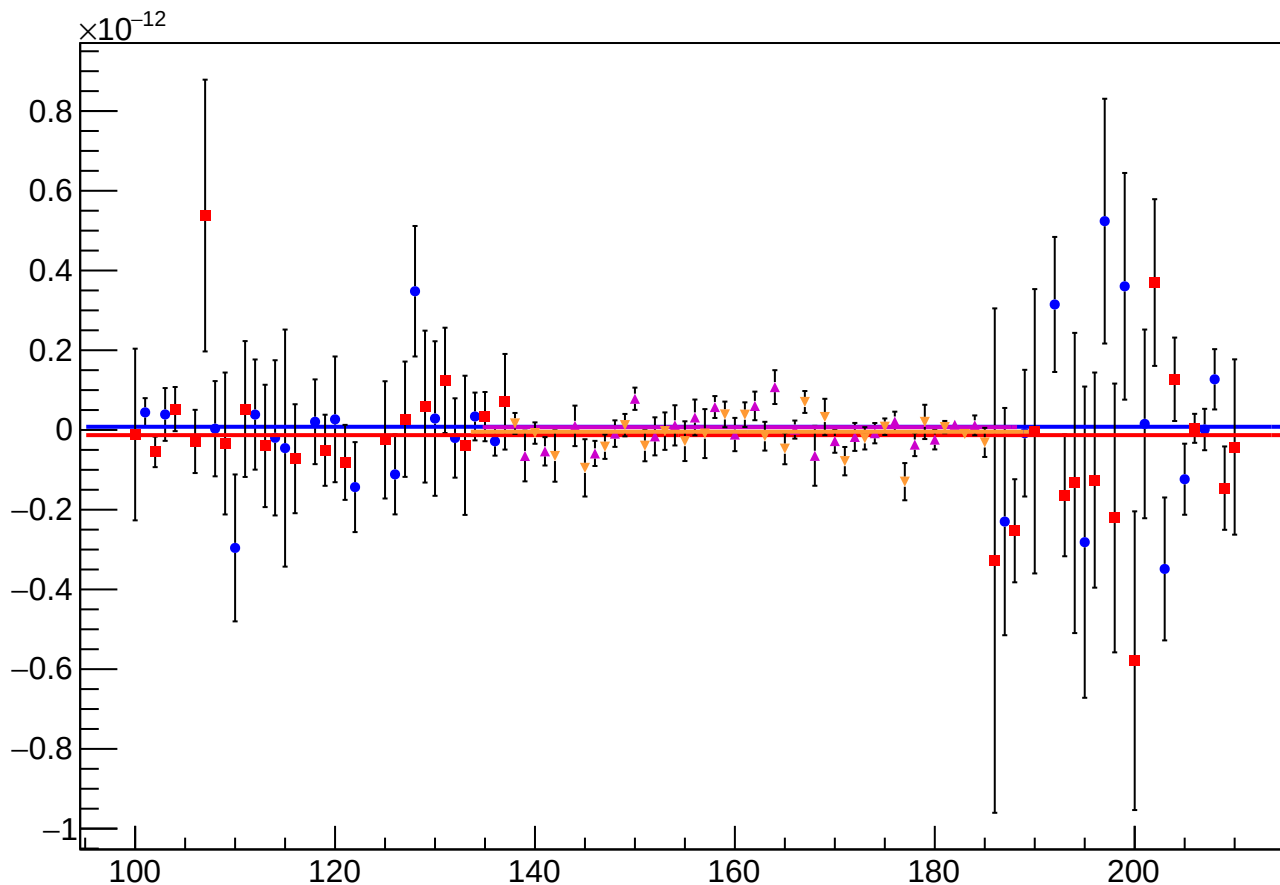
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF: 2003332.7/22

+ sign 102.984 $\pm$ 0.014 χ^2 /NDF: 5389154.4/50

All: 102.823 $\pm$ 0.010 χ^2 /NDF: 12447948.5/10

- sign 102.666 $\pm$ 0.014 χ^2 /NDF: 7058533.4/53

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.4/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:32.9/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.3/30

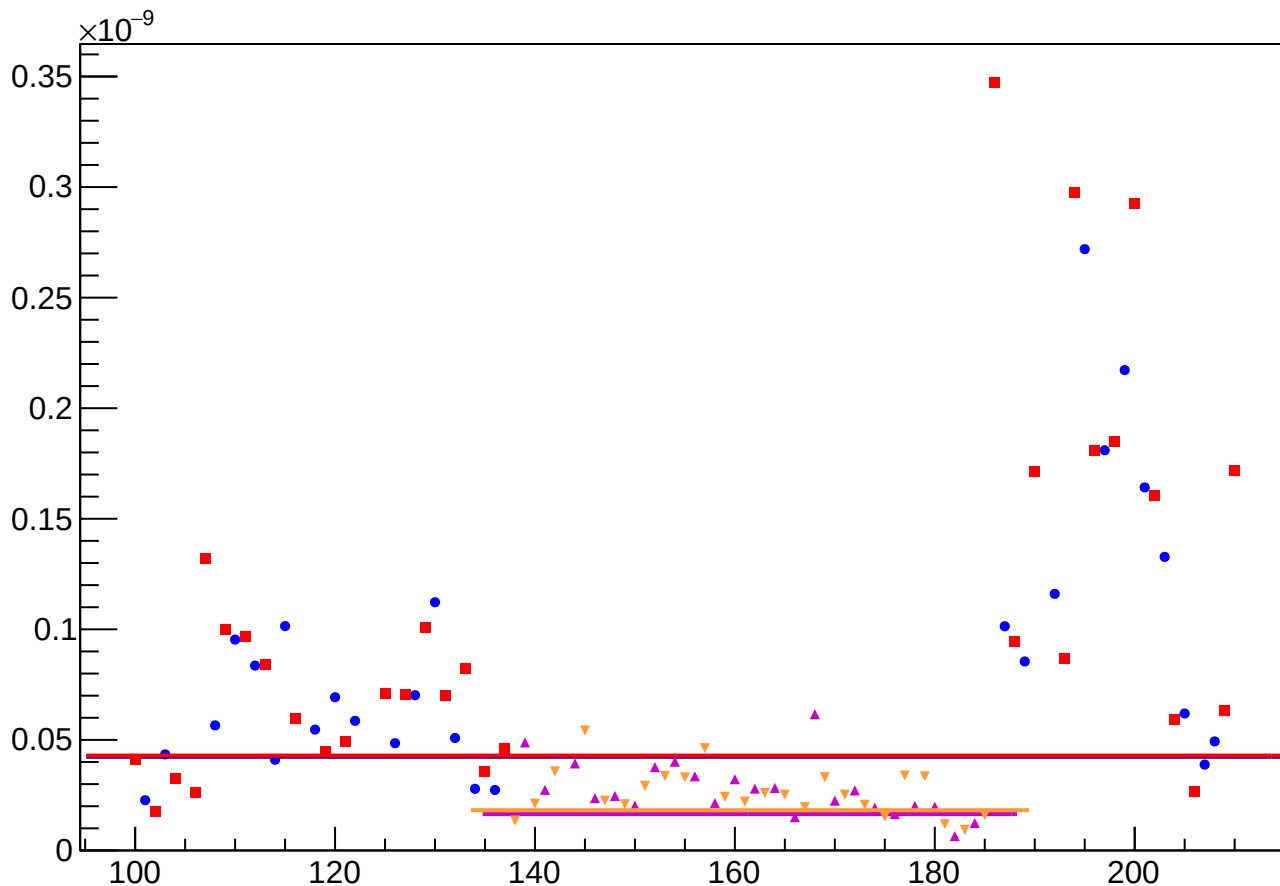
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:35.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 63.9/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 124.8/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.7/53

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5613547.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:4306302.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8021265.2/30

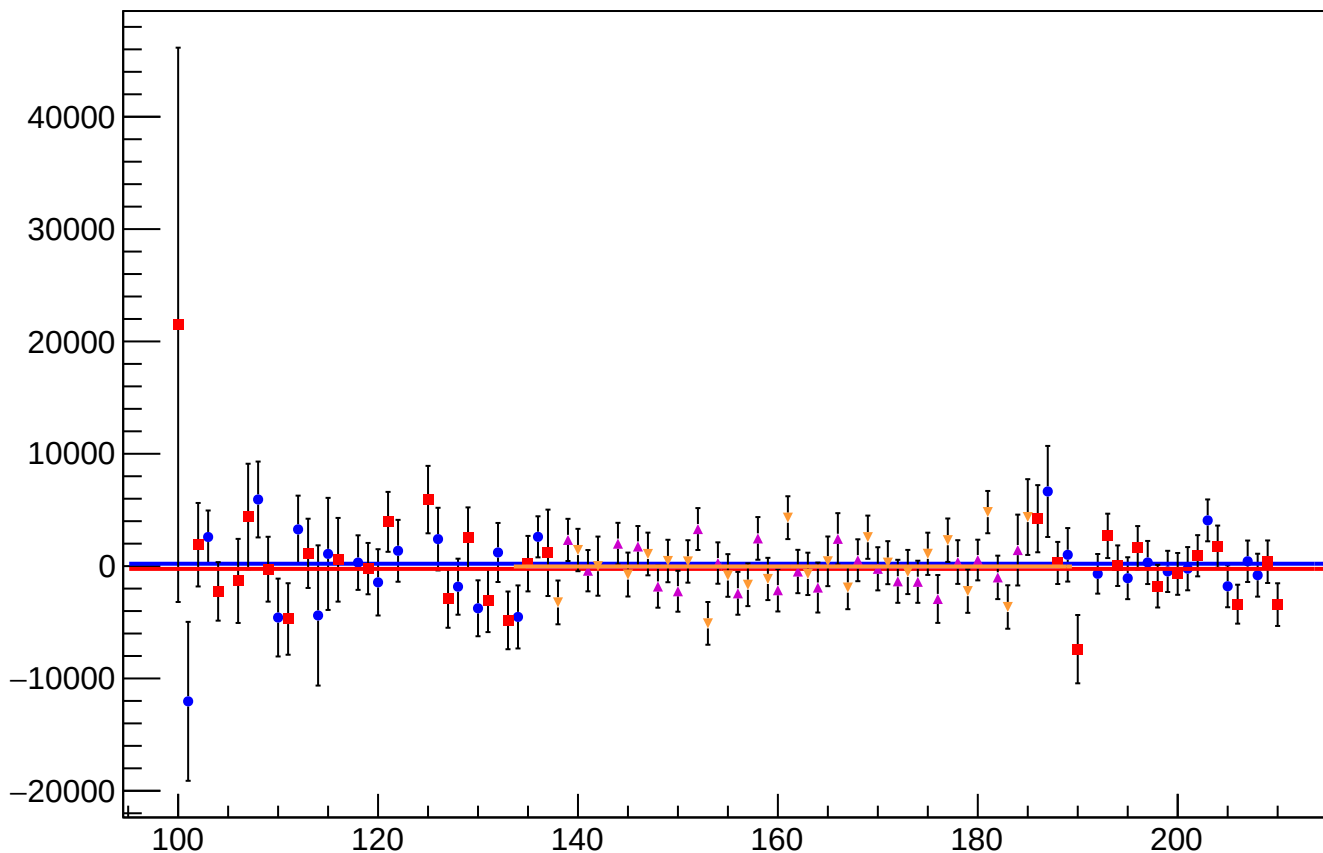
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:7007463.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13625119.8/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32990604.6/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19220753.3/53

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 211.946 $\pm$ 455.814 χ^2 /NDF: 28.7/26

Left Out: -34.799 $\pm$ 401.970 χ^2 /NDF:35.4/23

Right Out: -247.163 $\pm$ 432.680 χ^2 /NDF: 37.5/30

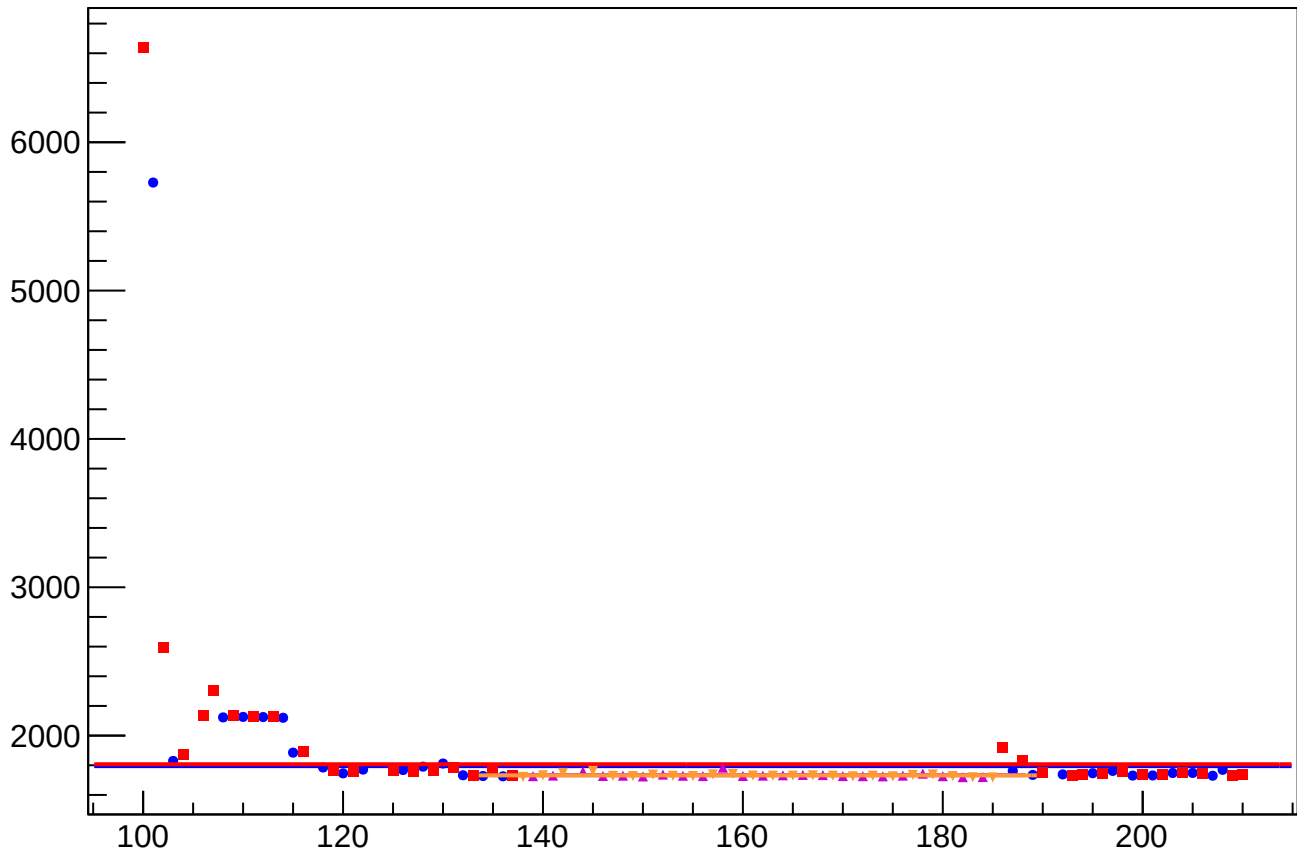
Left In: -52.796 $\pm$ 404.703 χ^2 /NDF:19.4/22

+ sign 73.146 $\pm$ 301.484 χ^2 /NDF: 64.3/50

All: -37.321 $\pm$ 211.057 χ^2 /NDF: 121.6/104

- sign -143.493 $\pm$ 295.564 χ^2 /NDF: 57.1/53

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1794.207+/-0.322 χ^2/NDF : 707715.9/26

Left Out: 1731.985+/-0.284 χ^2/NDF : 937.2/23

+ sign 1759.206+/-0.213 χ^2/NDF : 729617.2/50

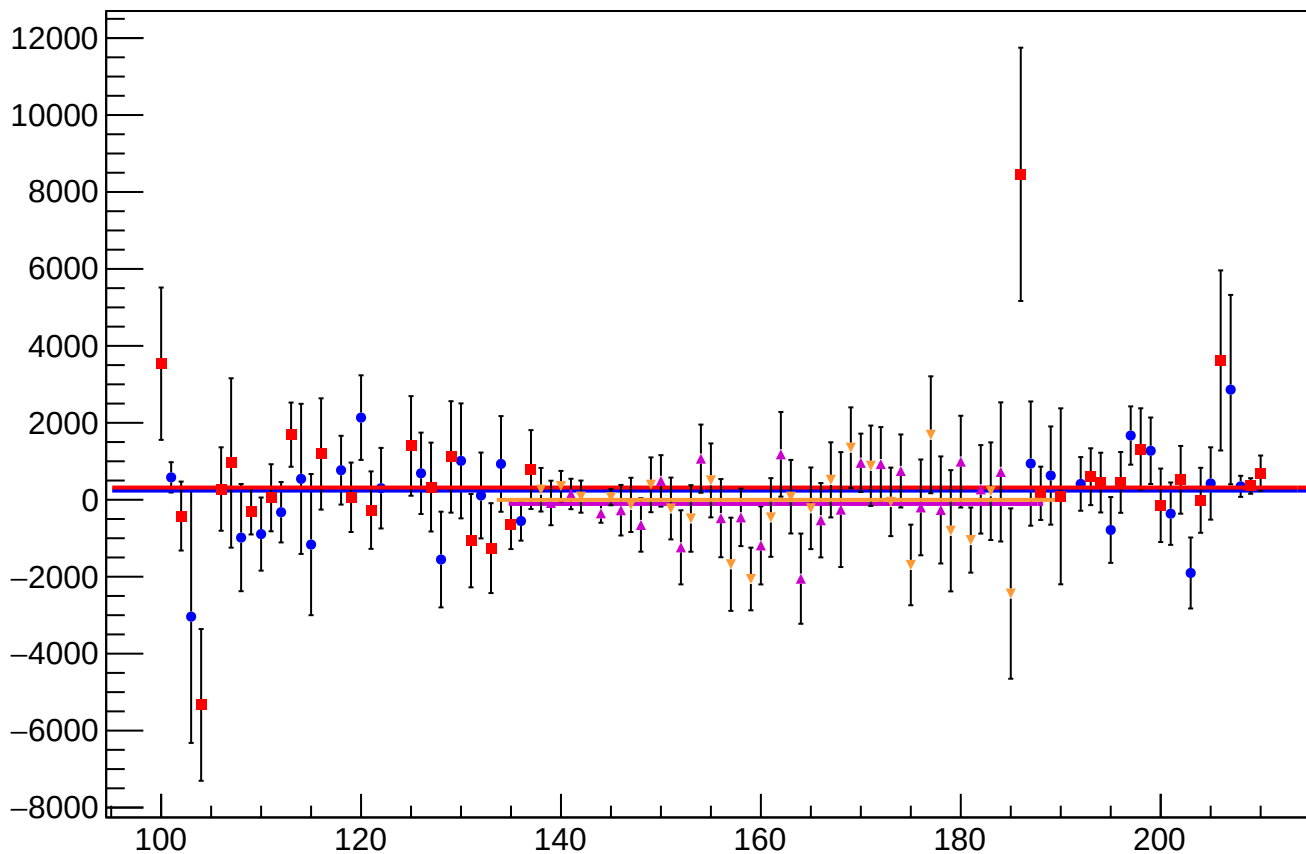
Right Out: 1806.914+/-0.306 χ^2/NDF : 311019.8/30

All: 1763.516+/-0.149 χ^2/NDF : 1074534.5/10

- sign 1767.659+/-0.209 χ^2/NDF : 344115.6/53

Left In: 1733.315+/-0.286 χ^2/NDF : 2230.5/22

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug



Right In: 238.531 $\pm$ 148.255 χ^2 /NDF: 27.7/26

Left Out: -2.406 $\pm$ 130.052 χ^2 /NDF:20.3/23

Right Out: 317.505 $\pm$ 129.859 χ^2 /NDF: 33.2/30

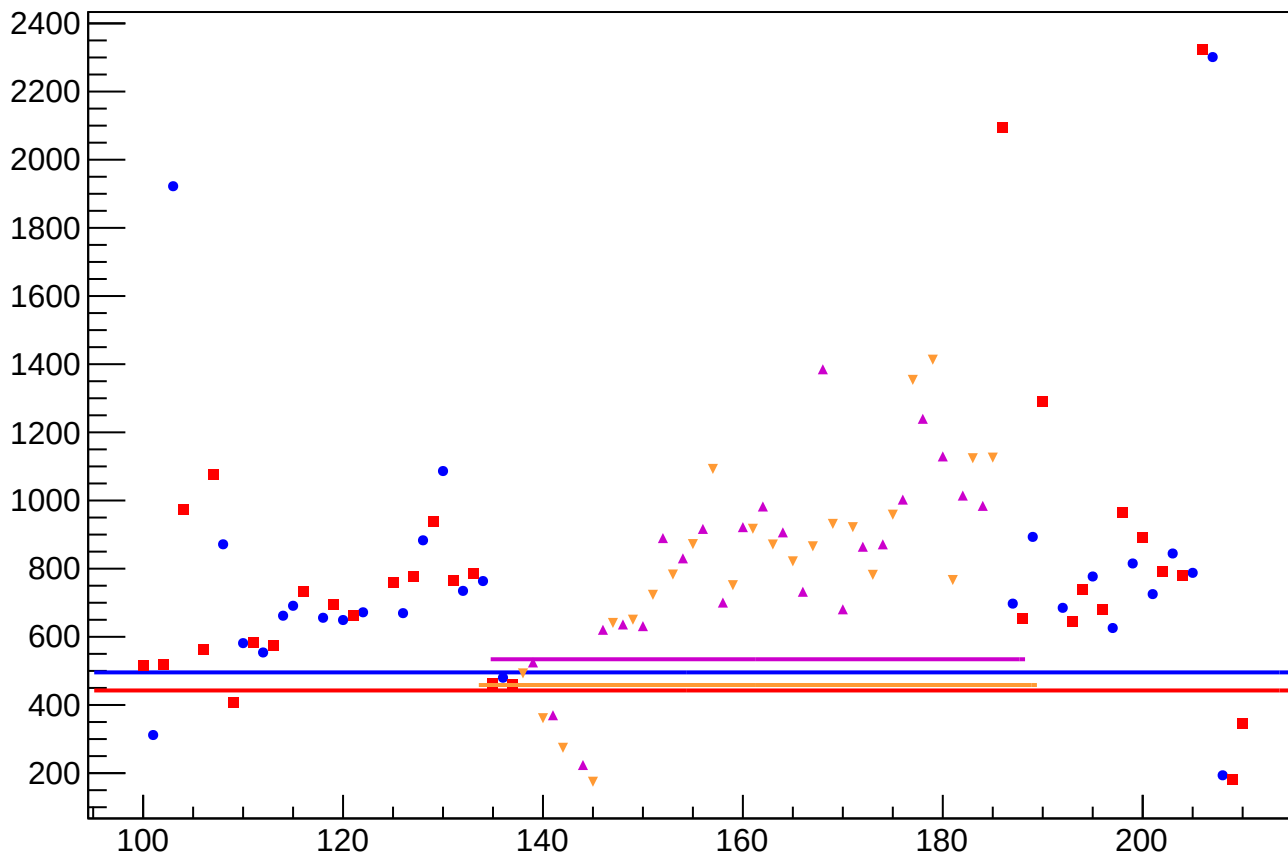
Left In: -108.386 $\pm$ 143.315 χ^2 /NDF:17.0/22

+ sign 102.371 $\pm$ 97.766 χ^2 /NDF: 49.5/50

All: 114.112 $\pm$ 68.582 χ^2 /NDF: 104.5/104

- sign 125.486 $\pm$ 96.230 χ^2 /NDF: 55.0/53

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 495.634 $\pm$ 0.105 χ^2/NDF : 7005983.0/26

Left Out: 458.579 $\pm$ 0.092 χ^2/NDF : 11426734.4/23

Right Out: 442.598 $\pm$ 0.092 χ^2/NDF : 9488529.3/30

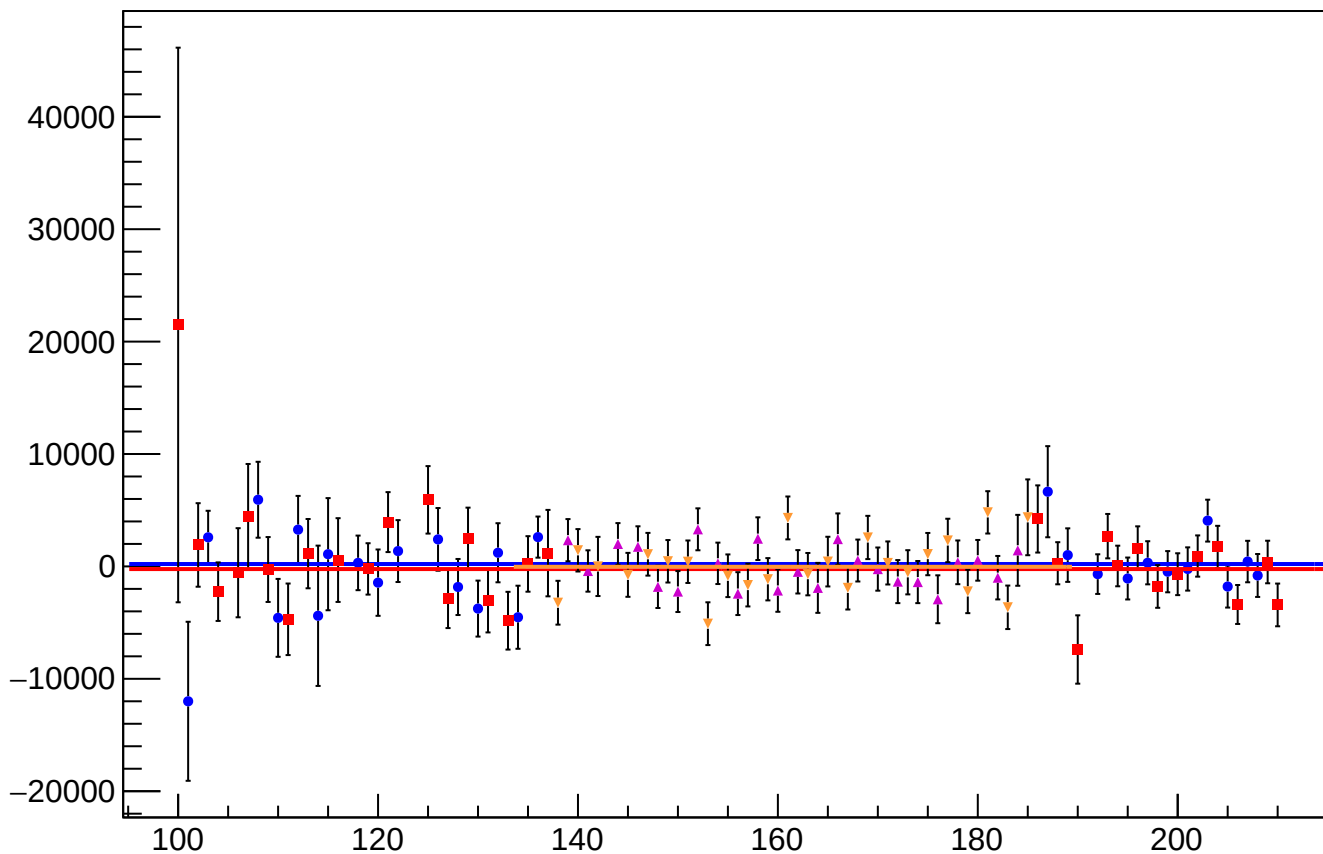
Left In: 534.161 $\pm$ 0.101 χ^2/NDF : 8443293.1/22

+ sign 474.693 $\pm$ 0.069 χ^2/NDF : 18503326.1/50

All: 479.359 $\pm$ 0.048 χ^2/NDF : 36892416.1/10

- sign 483.880 $\pm$ 0.068 χ^2/NDF : 18380120.2/53

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 211.926 $\pm$ 455.814 χ^2 /NDF: 28.7/26

Left Out: -34.742 $\pm$ 401.970 χ^2 /NDF:35.4/23

Right Out: -236.482 $\pm$ 432.995 χ^2 /NDF: 37.5/30

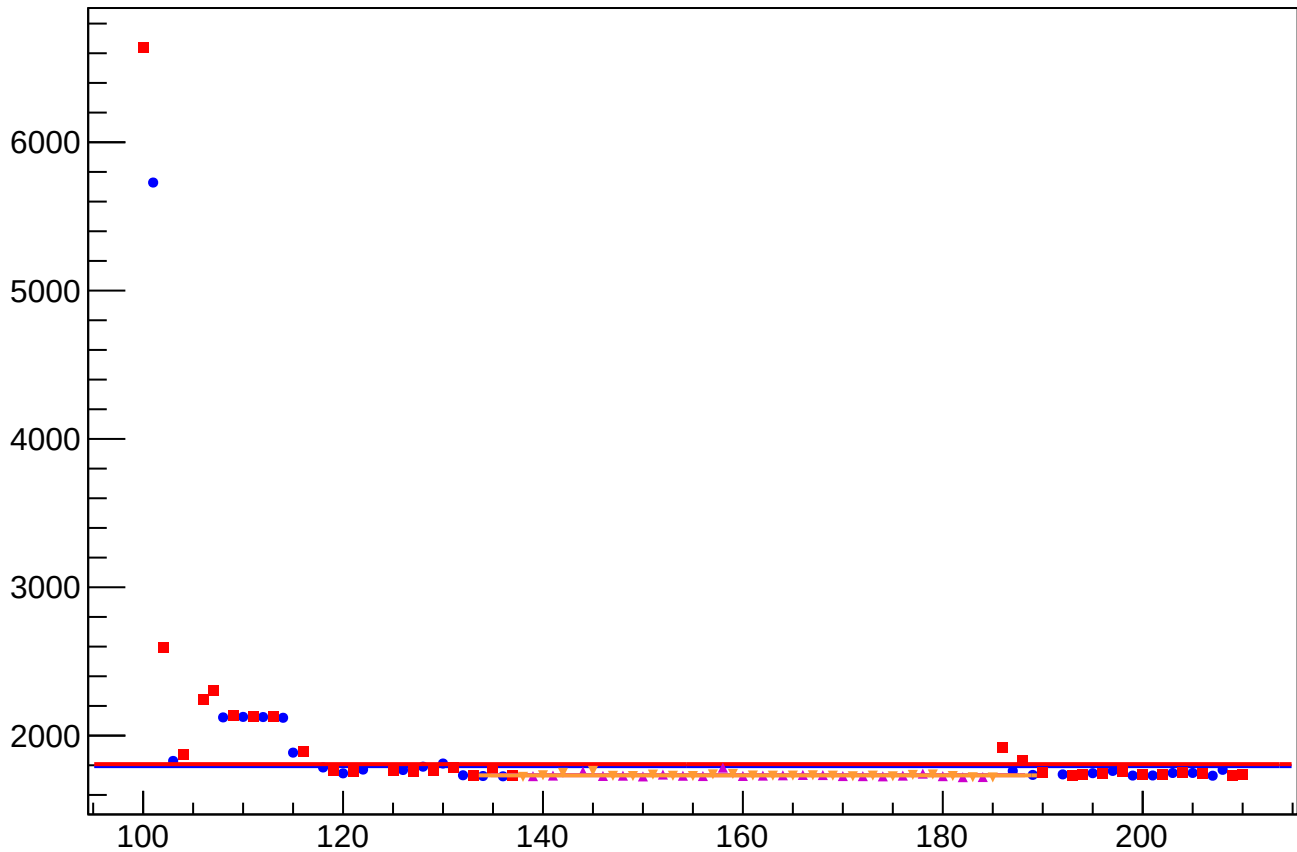
Left In: -52.714 $\pm$ 404.703 χ^2 /NDF:19.4/22

+ sign 73.169 $\pm$ 301.484 χ^2 /NDF: 64.3/50

All: -34.676 $\pm$ 211.094 χ^2 /NDF: 121.5/104

- sign -138.398 $\pm$ 295.665 χ^2 /NDF: 57.0/53

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1794.206+/-0.322 χ^2/NDF : 707715.8/26

Left Out: 1731.985+/-0.284 χ^2/NDF : 937.2/23

Right Out: 1807.687+/-0.306 χ^2/NDF : 319544.0/30

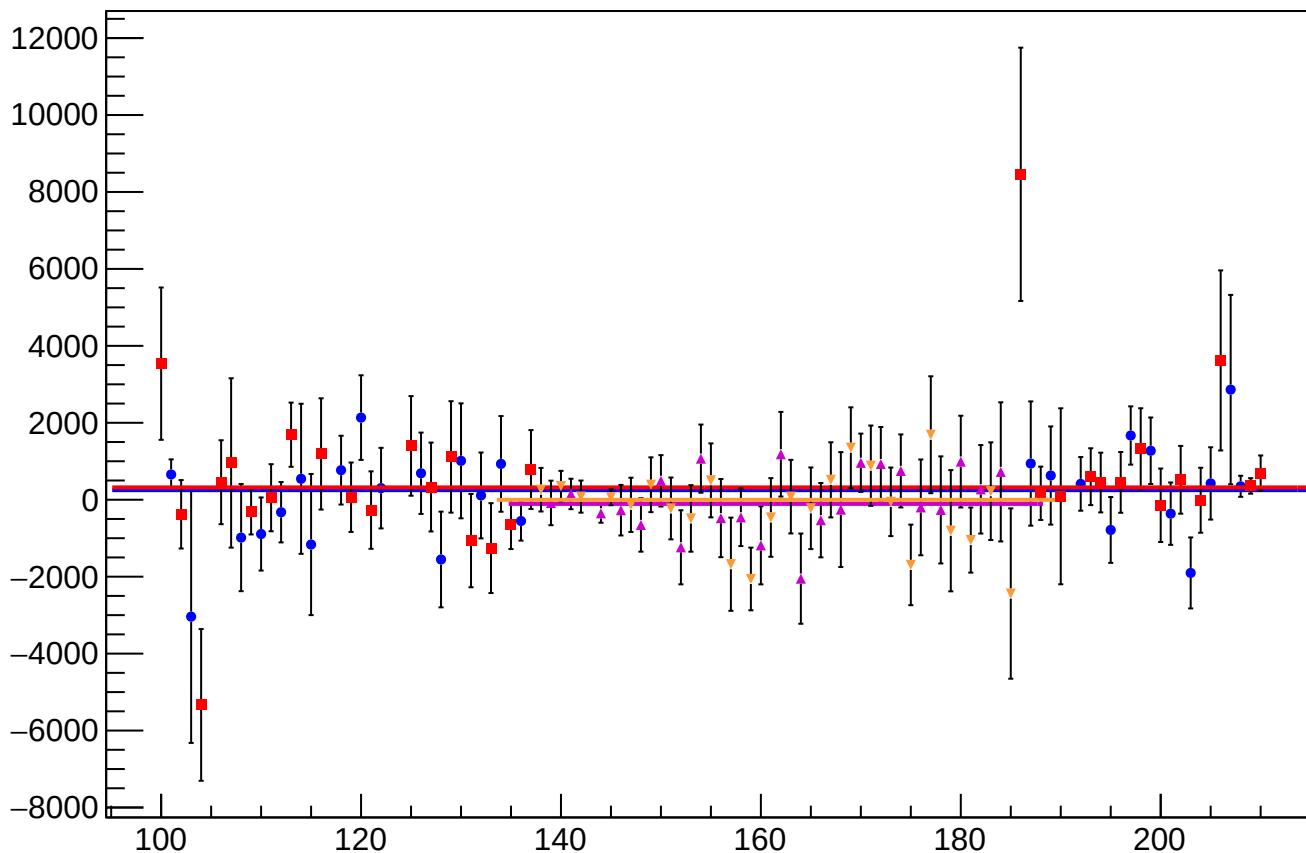
Left In: 1733.315+/-0.286 χ^2/NDF : 2230.5/22

+ sign 1759.206+/-0.213 χ^2/NDF : 729617.0/50

All: 1763.685+/-0.149 χ^2/NDF : 1083750.0/10

- sign 1767.992+/-0.209 χ^2/NDF : 353267.0/53

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug



Right In: 249.122+/-148.230 χ^2/NDF : 28.1/26

Left Out: -2.529+/-130.054 χ^2/NDF : 20.3/23

Right Out: 320.832+/-129.846 χ^2/NDF : 33.1/30

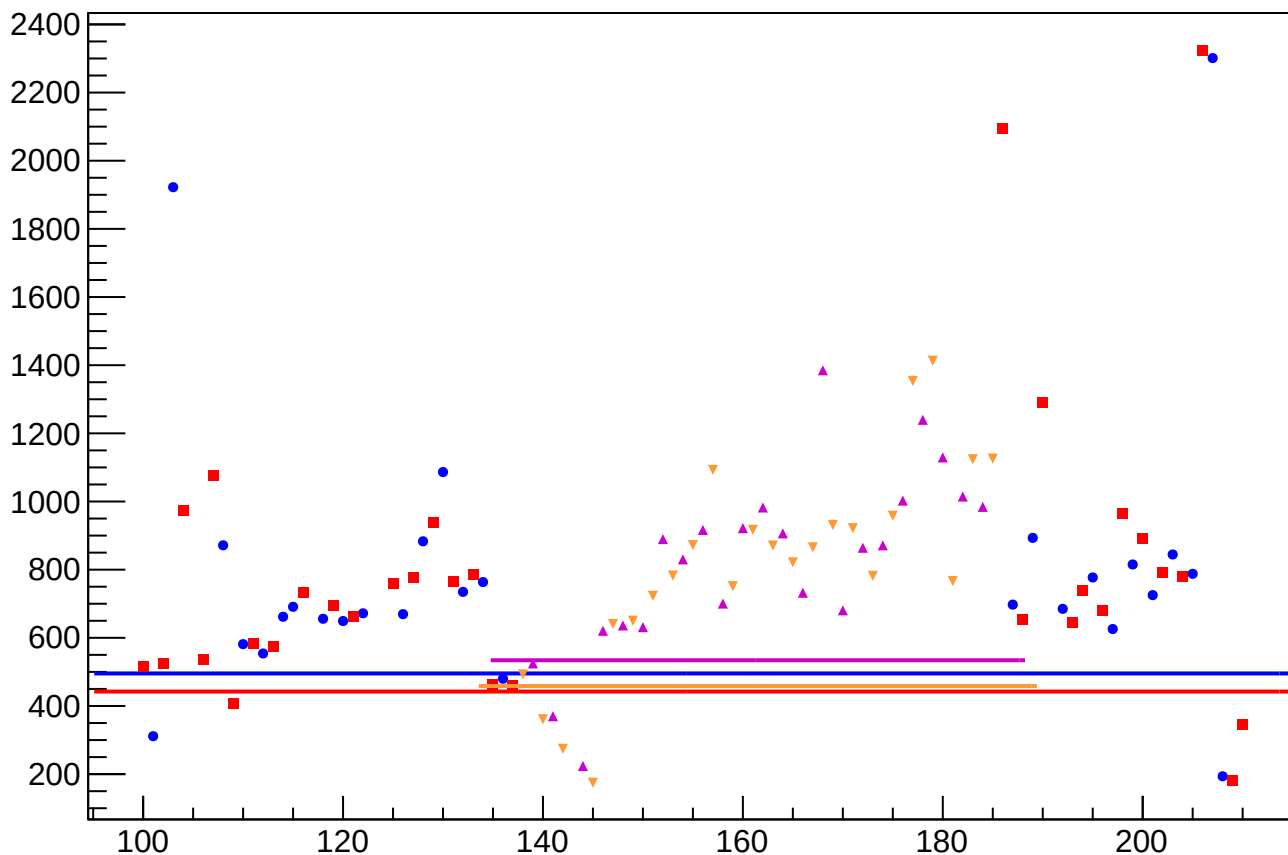
Left In: -108.358+/-143.315 χ^2/NDF : 17.0/22

+ sign 106.930+/-97.760 χ^2/NDF : 50.0/50

All: 117.301+/-68.578 χ^2/NDF : 105.0/104

- sign 127.349+/-96.225 χ^2/NDF : 55.0/53

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 495.496 $\pm$ 0.105 χ^2/NDF : 7009726.1/26

Left Out: 458.589 $\pm$ 0.092 χ^2/NDF : 11426319.1/23

Right Out: 442.340 $\pm$ 0.092 χ^2/NDF : 9482331.5/30

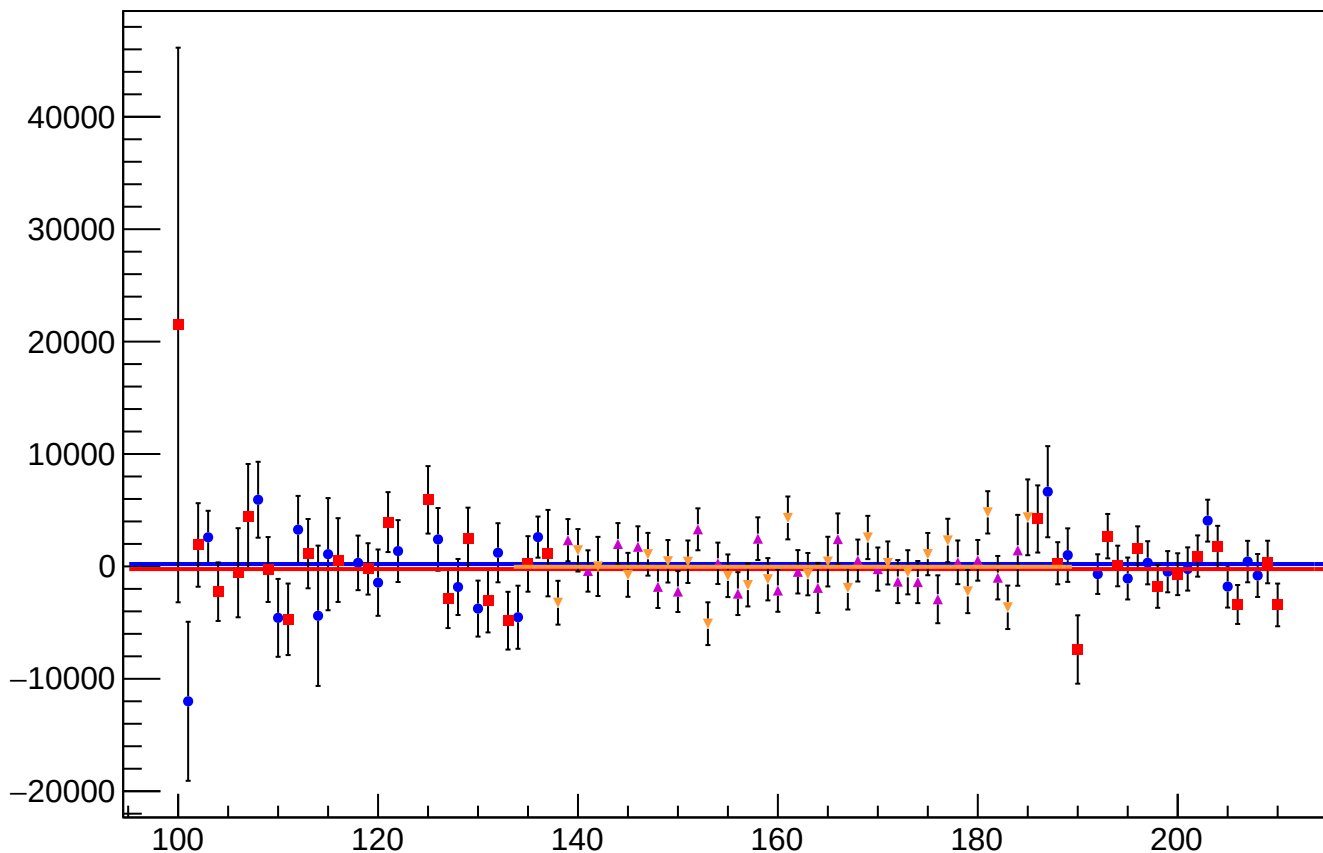
Left In: 534.168 $\pm$ 0.101 χ^2/NDF : 8442812.5/22

+ sign 474.642 $\pm$ 0.069 χ^2/NDF : 18506099.7/50

All: 479.261 $\pm$ 0.048 χ^2/NDF : 36890984.9/10

- sign 483.737 $\pm$ 0.068 χ^2/NDF : 18376093.1/53

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 211.926 $\pm$ 455.814 χ^2 /NDF: 28.7/26

Left Out: -34.742 $\pm$ 401.970 χ^2 /NDF:35.4/23

Right Out: -236.482 $\pm$ 432.995 χ^2 /NDF: 37.5/30

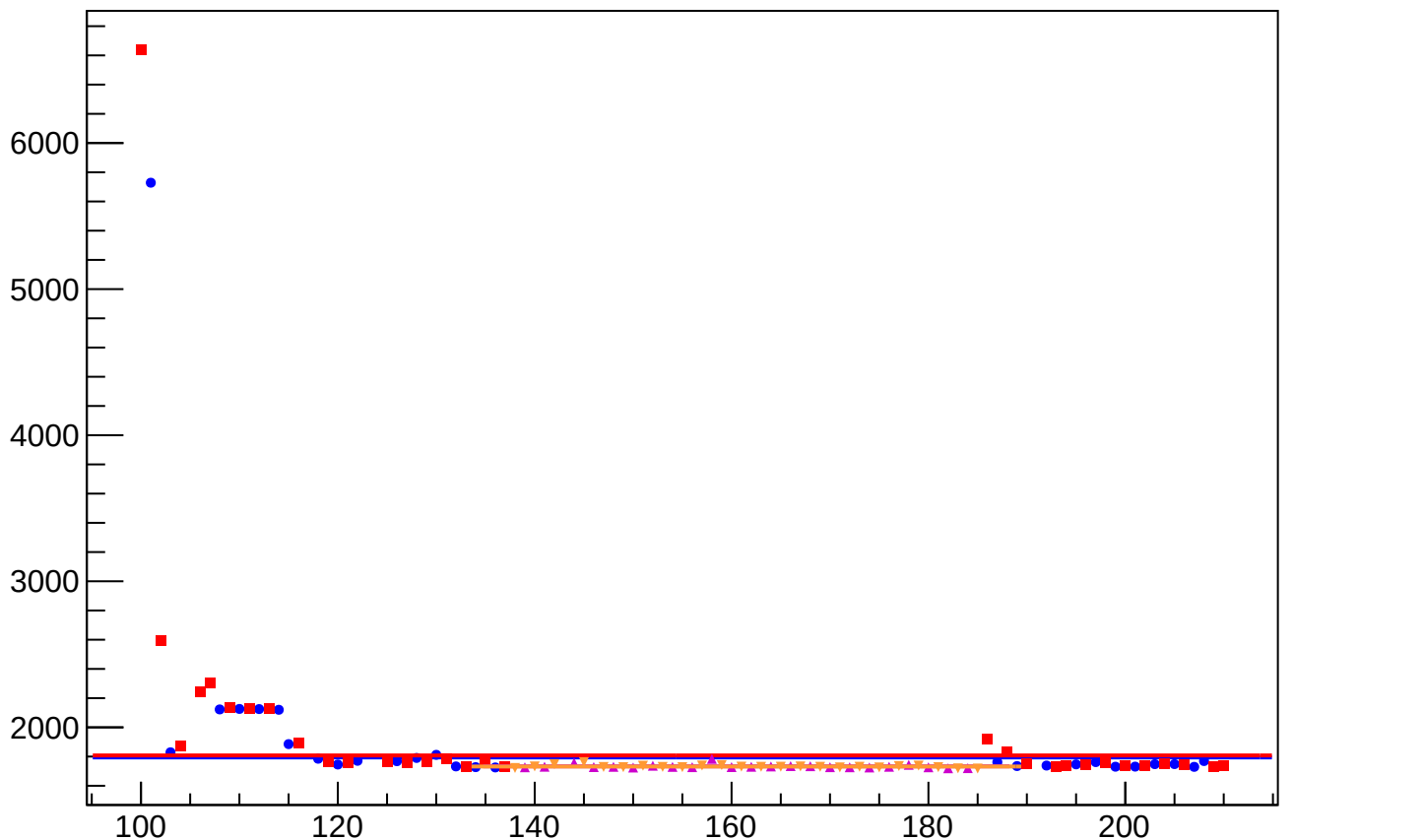
Left In: -52.714 $\pm$ 404.703 χ^2 /NDF:19.4/22

+ sign 73.169 $\pm$ 301.484 χ^2 /NDF: 64.3/50

All: -34.676 $\pm$ 211.094 χ^2 /NDF: 121.5/104

- sign -138.398 $\pm$ 295.665 χ^2 /NDF: 57.0/53

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1794.206+/-0.322 χ^2/NDF : 707715.8/26

Left Out: 1731.985+/-0.284 χ^2/NDF : 937.2/23

Right Out: 1807.687+/-0.306 χ^2/NDF : 319544.0/30

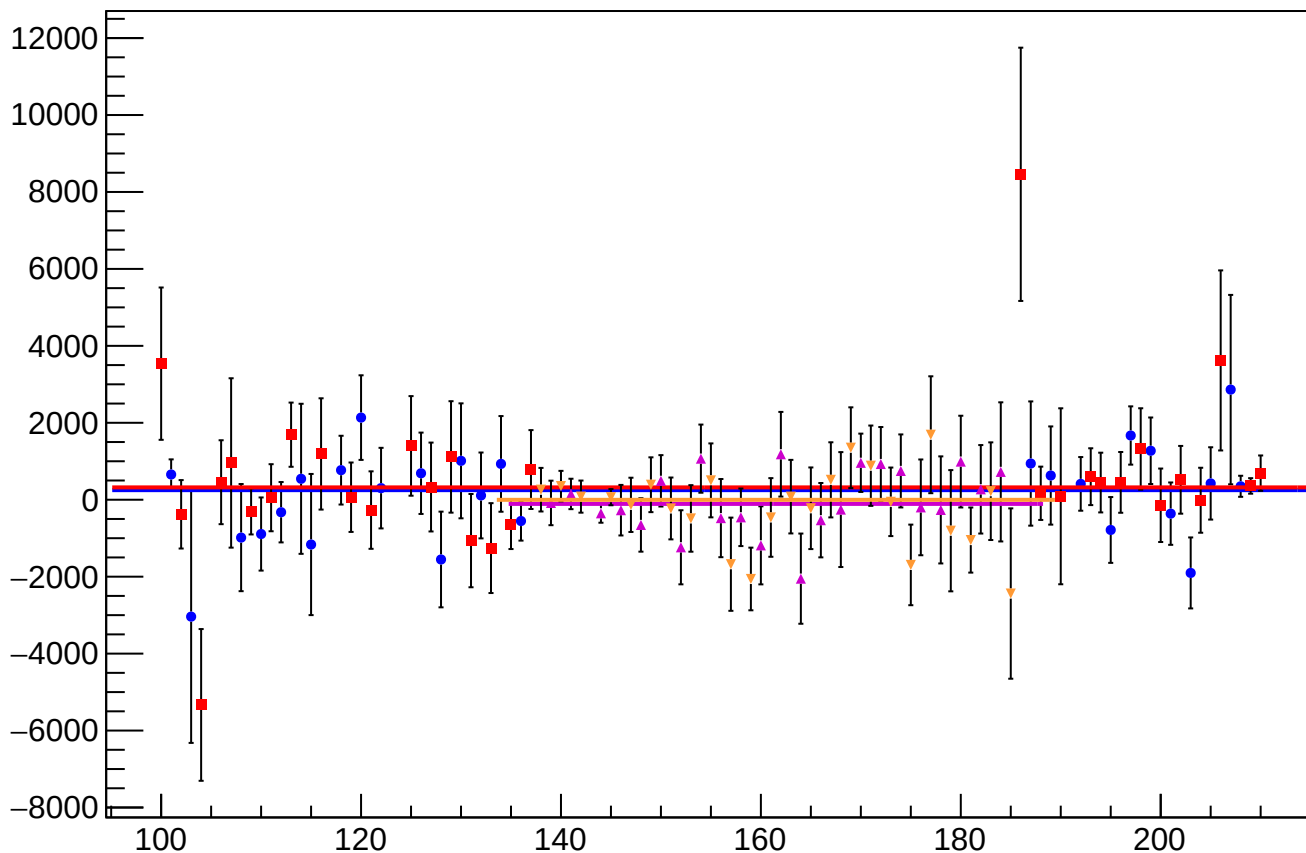
Left In: 1733.315+/-0.286 χ^2/NDF : 2230.5/22

+ sign 1759.206+/-0.213 χ^2/NDF : 729617.0/50

All: 1763.685+/-0.149 χ^2/NDF : 1083750.0/10

- sign 1767.992+/-0.209 χ^2/NDF : 353267.0/53

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 249.122+/-148.230 χ^2/NDF : 28.1/26

Left Out: -2.529+/-130.054 χ^2/NDF : 20.3/23

Right Out: 320.832+/-129.846 χ^2/NDF : 33.1/30

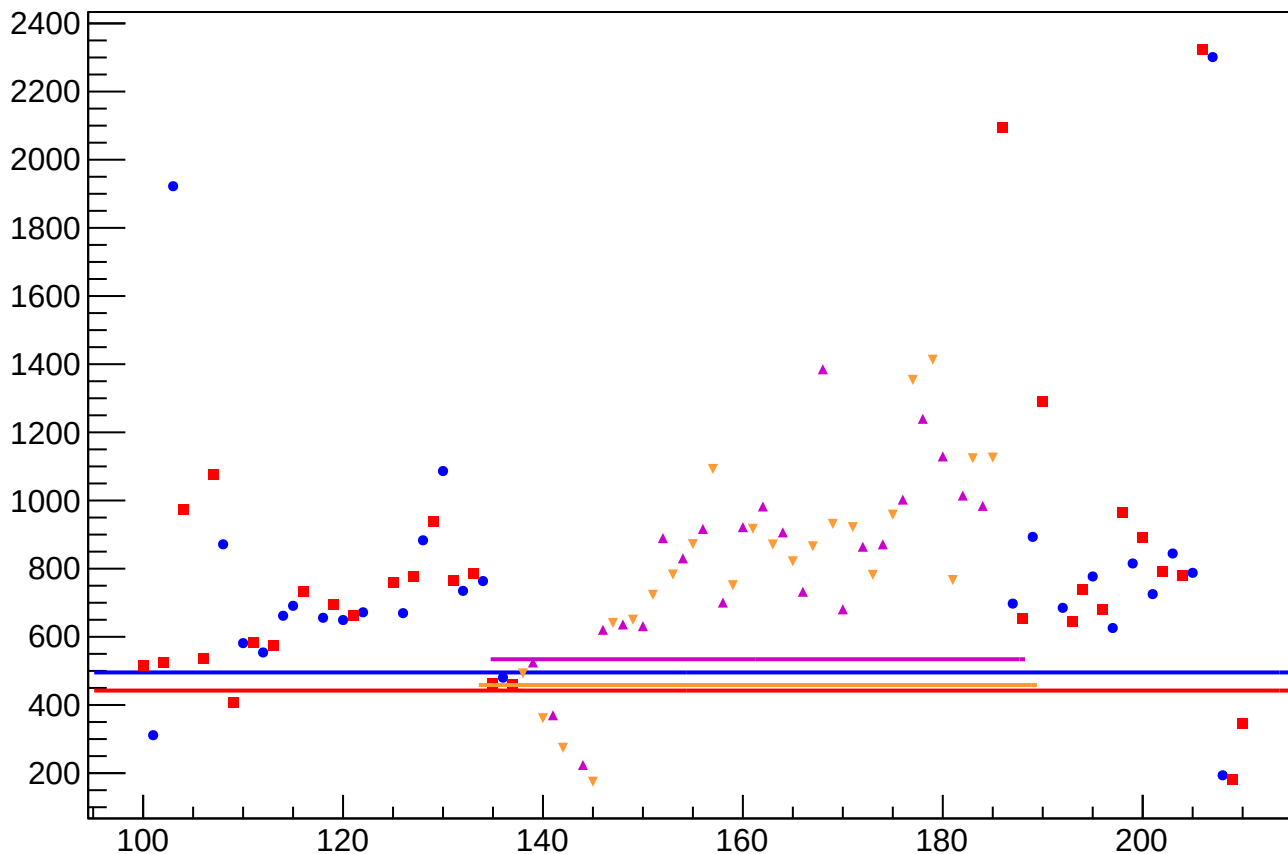
Left In: -108.358+/-143.315 χ^2/NDF : 17.0/22

+ sign 106.930+/-97.760 χ^2/NDF : 50.0/50

All: 117.301+/-68.578 χ^2/NDF : 105.0/104

- sign 127.349+/-96.225 χ^2/NDF : 55.0/53

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 495.496 $\pm$ 0.105 χ^2 /NDF: 7009726.1/26

Left Out: 458.589 $\pm$ 0.092 χ^2 /NDF: 11426319.1/23

Right Out: 442.340 $\pm$ 0.092 χ^2 /NDF: 9482331.5/30

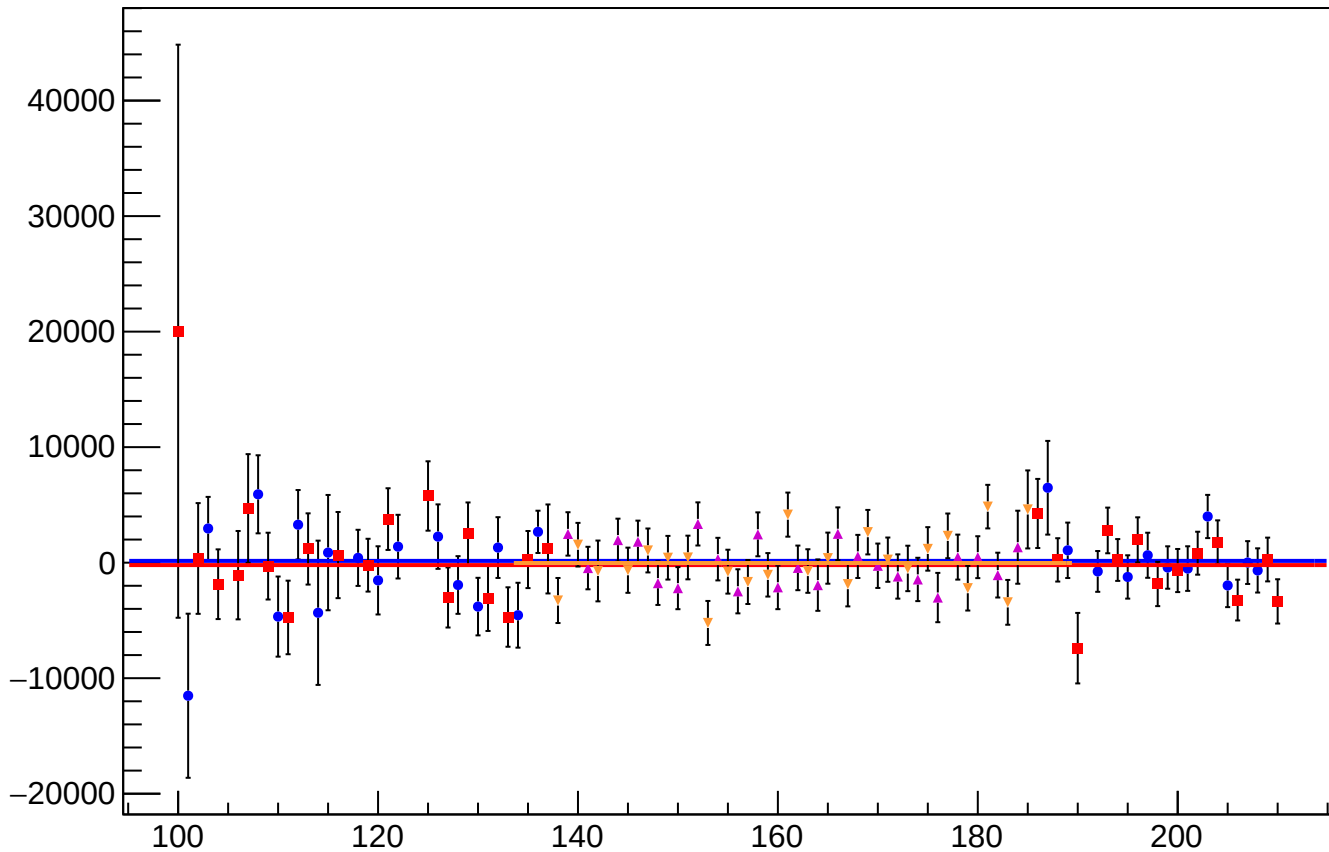
Left In: 534.168 $\pm$ 0.101 χ^2 /NDF: 8442812.5/22

+ sign 474.642 $\pm$ 0.069 χ^2 /NDF: 18506099.7/50

All: 479.261 $\pm$ 0.048 χ^2 /NDF: 36890984.9/10

- sign 483.737 $\pm$ 0.068 χ^2 /NDF: 18376093.1/53

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 154.572 ± 459.404 $\chi^2/\text{NDF}: 28.8/26$

Left Out: -29.389 ± 402.317 $\chi^2/\text{NDF}: 35.4/23$

Right Out: -209.137 ± 437.413 $\chi^2/\text{NDF}: 36.4/30$

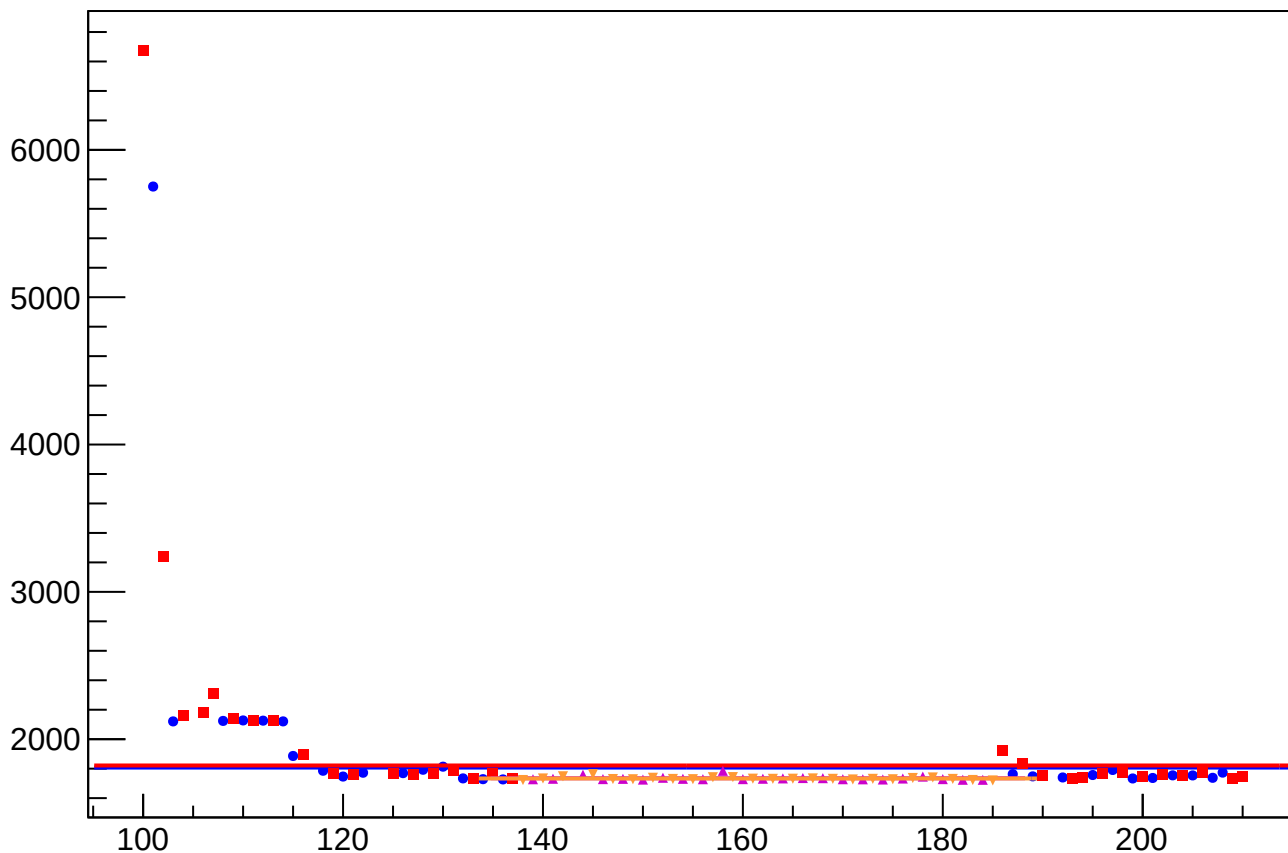
Left In: -42.465 ± 405.052 $\chi^2/\text{NDF}: 19.9/22$

+ sign 50.458 ± 302.664 $\chi^2/\text{NDF}: 64.3/50$

All: -36.023 ± 212.057 $\chi^2/\text{NDF}: 120.8/104$

- sign -119.408 ± 297.197 $\chi^2/\text{NDF}: 56.3/53$

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1807.555+/-0.325 χ^2/NDF : 732735.4/26

Left Out: 1733.478+/-0.284 χ^2/NDF : 901.3/23

Right Out: 1821.557+/-0.309 χ^2/NDF : 420024.1/30

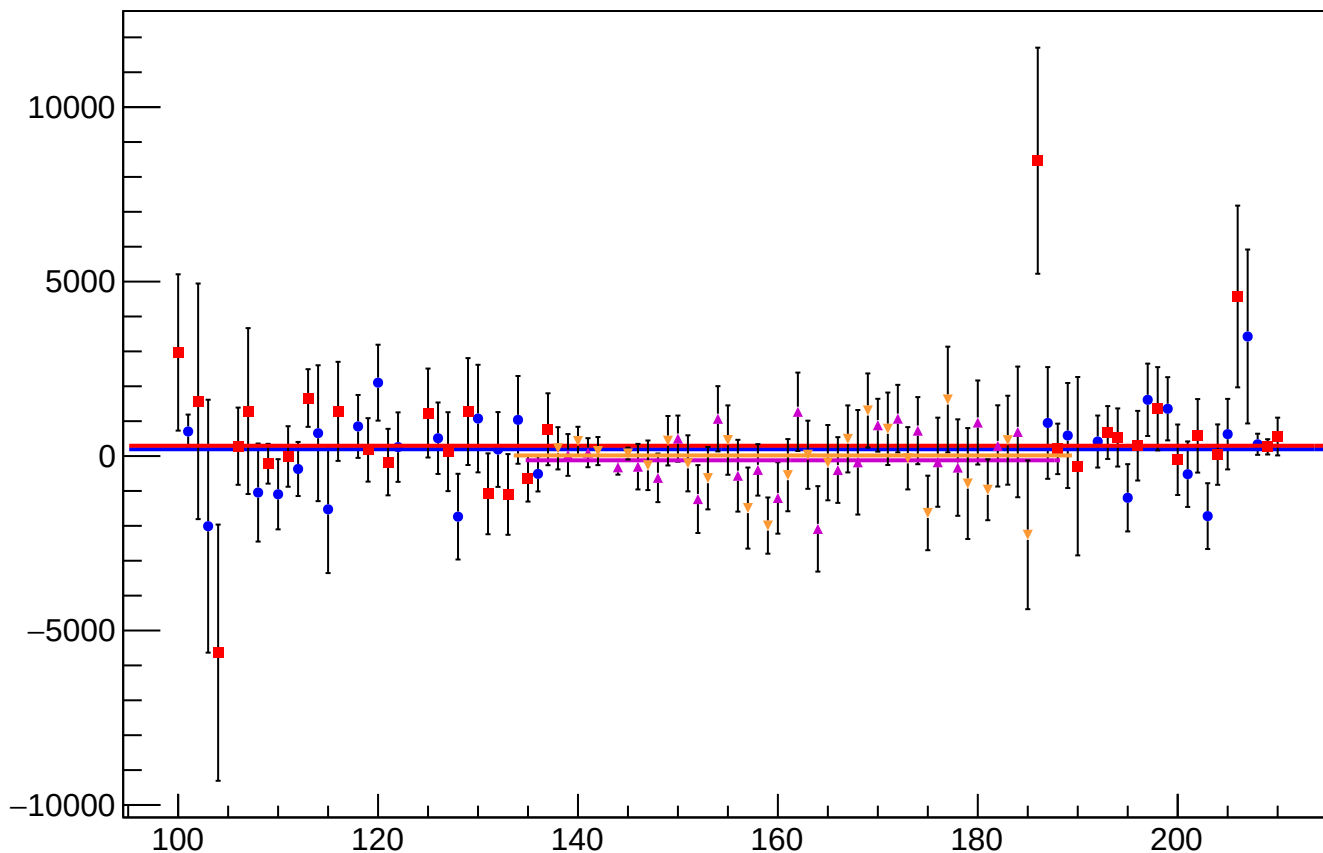
Left In: 1734.810+/-0.286 χ^2/NDF : 2175.7/22

+ sign 1765.631+/-0.214 χ^2/NDF : 763066.2/50

All: 1770.327+/-0.150 χ^2/NDF : 1228559.4/100

- sign 1774.856+/-0.210 χ^2/NDF : 464547.1/53

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug



Right In: 195.372+/-160.584 χ^2/NDF : 27.1/26

Left Out: 18.027+/-119.333 χ^2/NDF :19.4/23

Right Out: 295.821+/-139.815 χ^2/NDF : 25.6/30

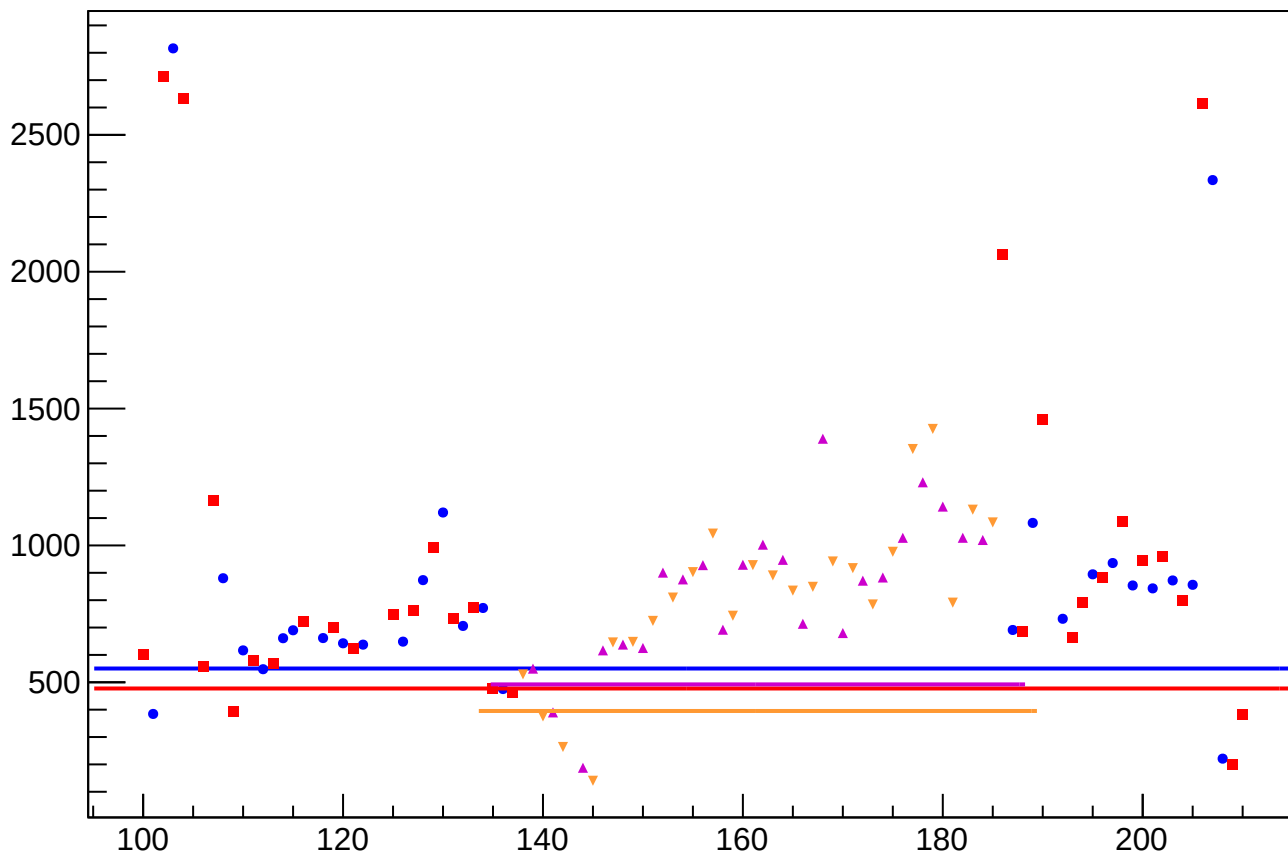
Left In: -121.705+/-137.150 χ^2/NDF :16.5/22

+ sign 81.120+/-95.782 χ^2/NDF : 47.3/50

All: 82.059+/-68.467 χ^2/NDF : 93.9/104

- sign 83.040+/-97.908 χ^2/NDF : 46.6/53

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug



Right In: 550.341+/-0.114 χ^2/NDF : 6932111.5/26

Left Out: 395.188+/-0.084 χ^2/NDF : 14334419.9/23

Right Out: 477.339+/-0.099 χ^2/NDF : 10666538.1/30

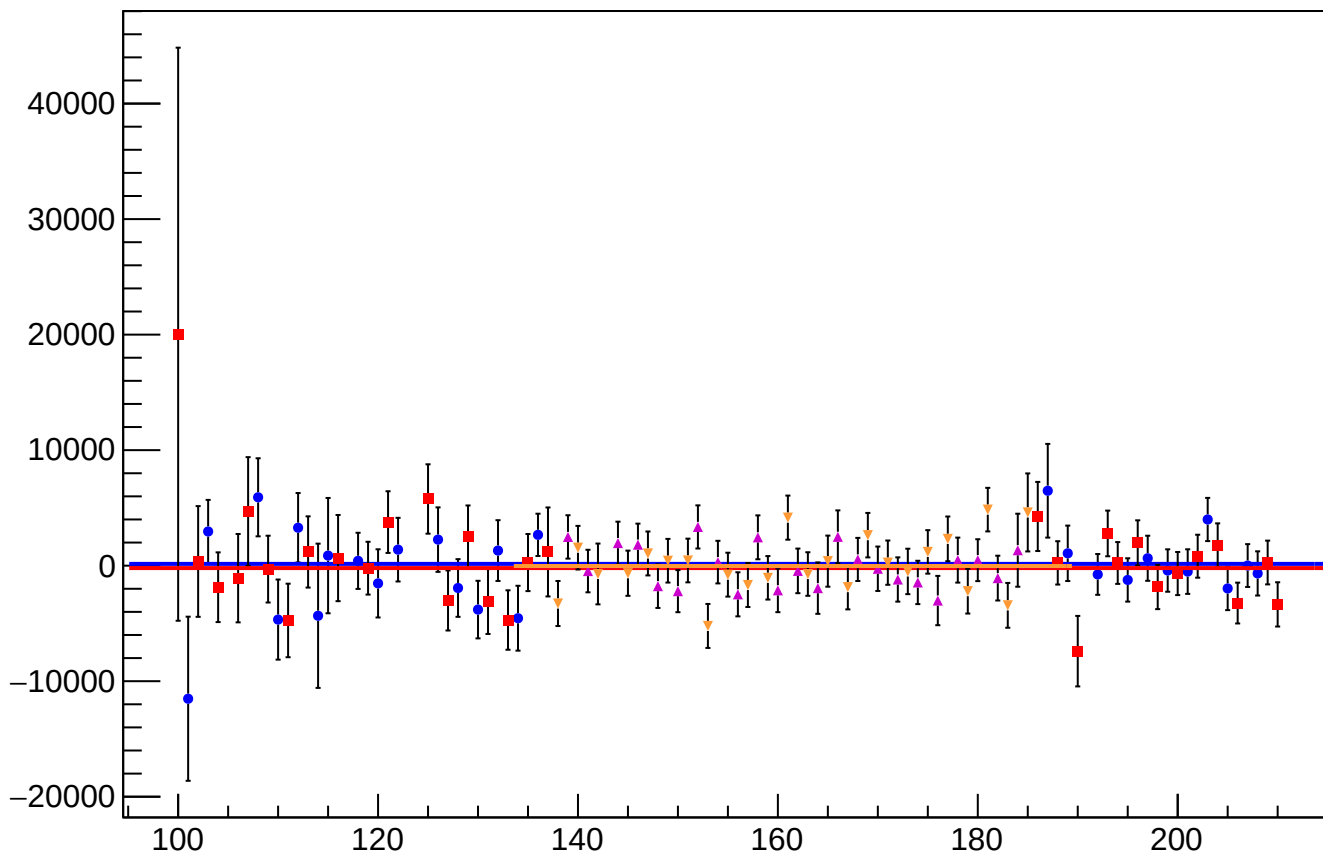
Left In: 492.294+/-0.097 χ^2/NDF : 10419498.8/22

+ sign 450.386+/-0.068 χ^2/NDF : 22469320.7/50

All: 467.294+/-0.048 χ^2/NDF : 43694459.7/10

- sign 484.961+/-0.069 χ^2/NDF : 21097698.1/53

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 154.574 $\pm$ 459.404 χ^2/NDF : 28.8/26

Left Out: -29.392 $\pm$ 402.317 χ^2/NDF : 35.4/23

Right Out: -209.137 $\pm$ 437.413 χ^2/NDF : 36.4/30

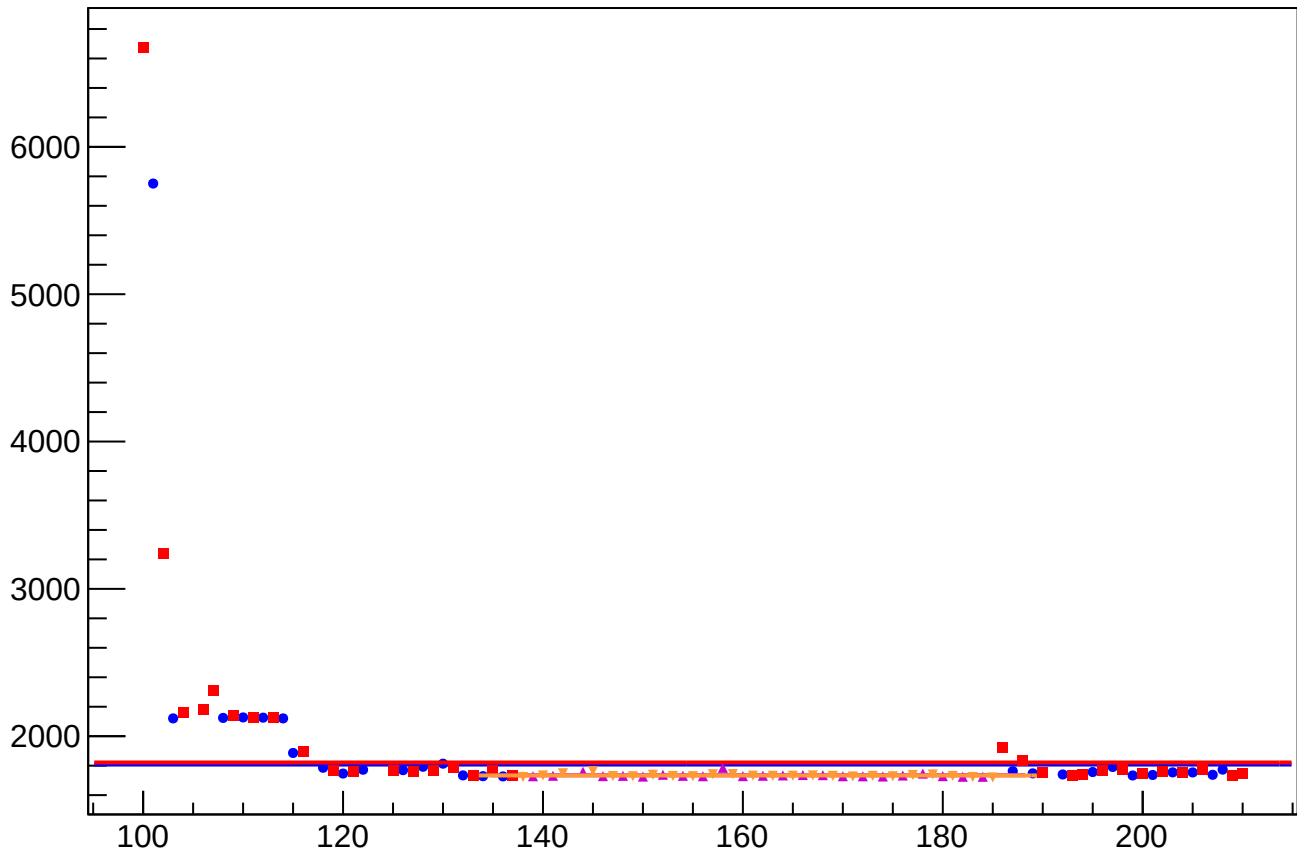
Left In: -42.465 $\pm$ 405.052 χ^2/NDF : 19.9/22

+ sign 50.457 $\pm$ 302.664 χ^2/NDF : 64.3/50

All: -36.023 $\pm$ 212.057 χ^2/NDF : 120.8/104

- sign -119.408 $\pm$ 297.197 χ^2/NDF : 56.3/53

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1807.555+/-0.325 χ^2/NDF : 732735.0/26

Left Out: 1733.478+/-0.284 χ^2/NDF : 901.3/23

Right Out: 1821.557+/-0.309 χ^2/NDF : 420023.2/30

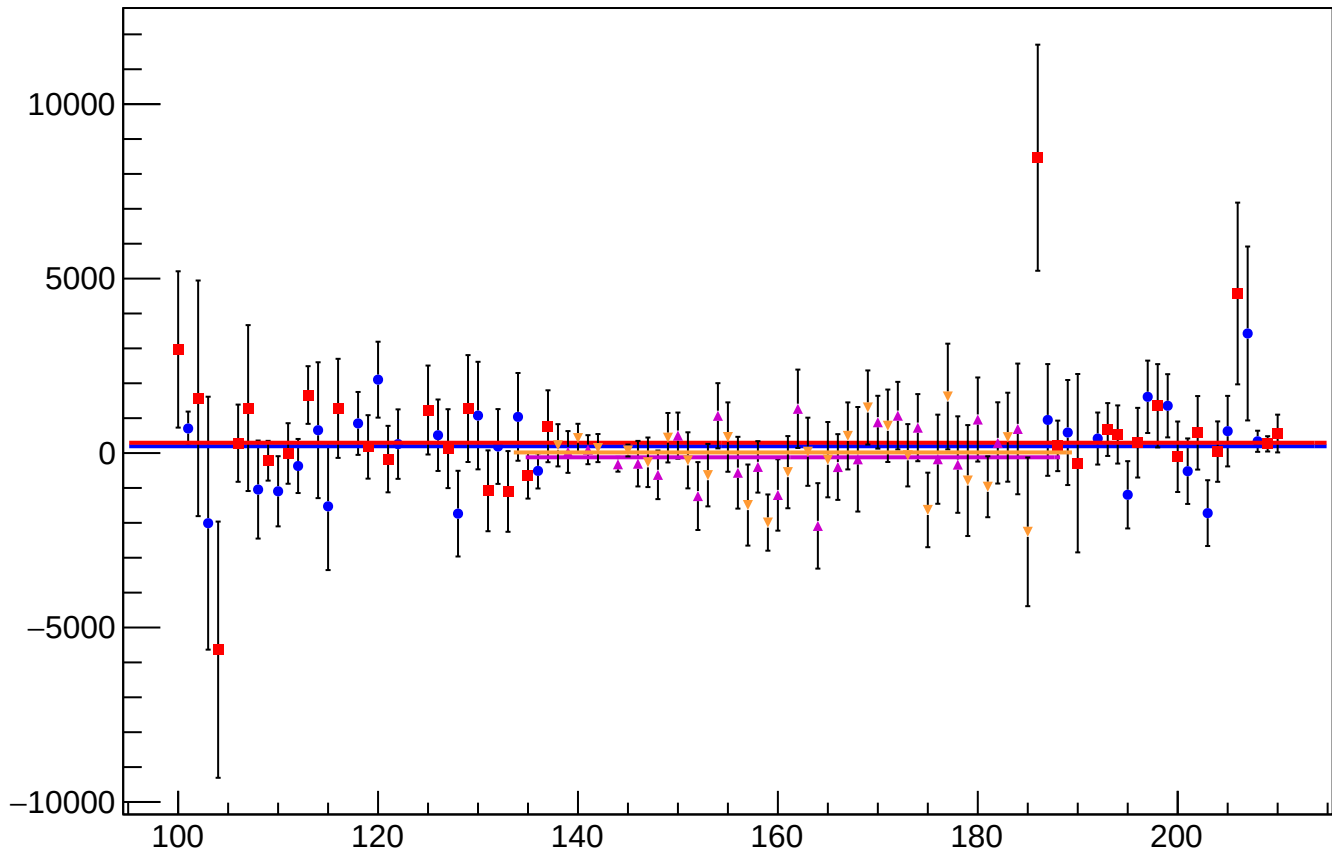
Left In: 1734.810+/-0.286 χ^2/NDF : 2175.7/22

+ sign 1765.631+/-0.214 χ^2/NDF : 763065.8/50

All: 1770.327+/-0.150 χ^2/NDF : 1228558.1/100

- sign 1774.856+/-0.210 χ^2/NDF : 464546.2/53

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 195.371 $\pm$ 160.583 χ^2 /NDF: 27.1/26

Left Out: 18.026 $\pm$ 119.333 χ^2 /NDF:19.4/23

Right Out: 295.815 $\pm$ 139.814 χ^2 /NDF: 25.6/30

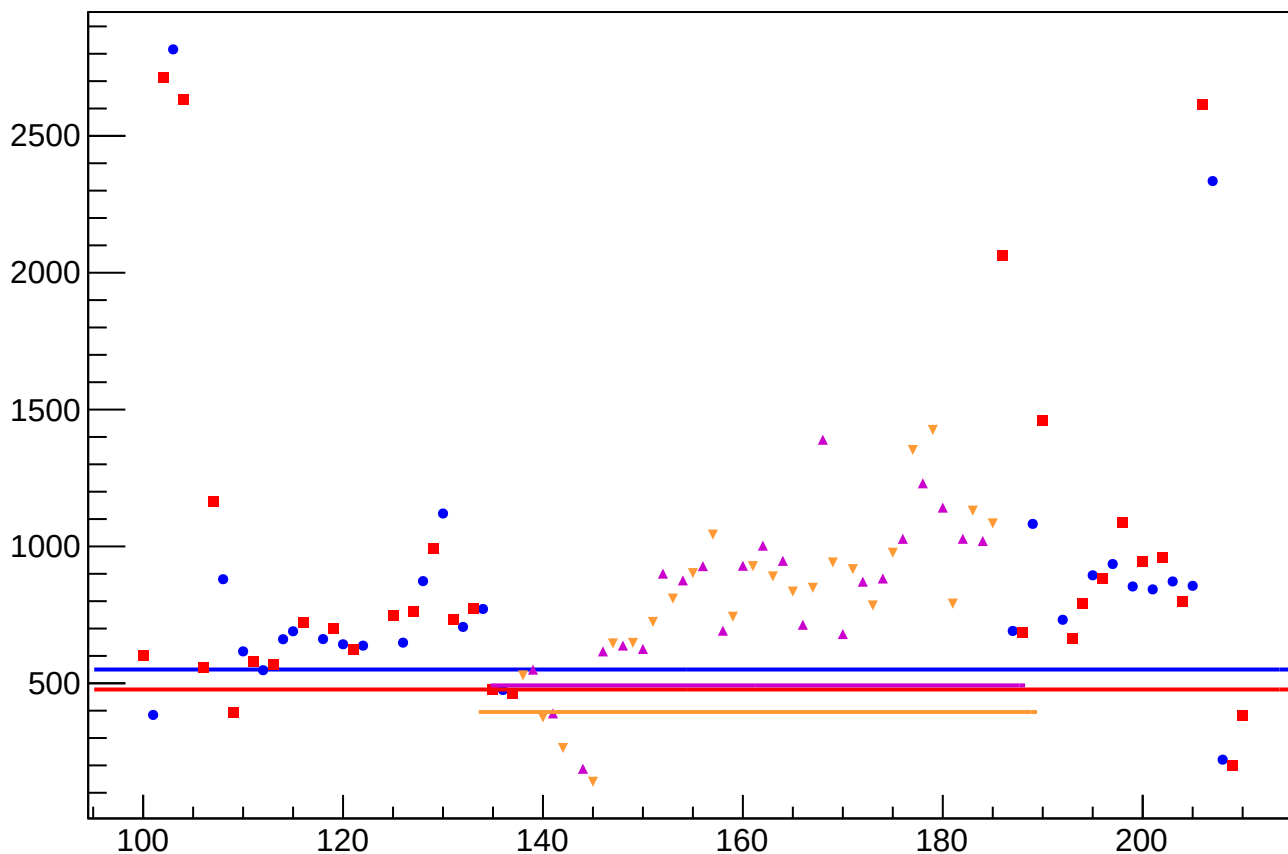
Left In: -121.706 $\pm$ 137.150 χ^2 /NDF:16.5/22

+ sign 81.119 $\pm$ 95.782 χ^2 /NDF: 47.3/50

All: 82.058 $\pm$ 68.467 χ^2 /NDF: 93.9/104

- sign 83.039 $\pm$ 97.908 χ^2 /NDF: 46.6/53

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 550.337 $\pm$ 0.114 χ^2/NDF : 6932192.1/26

Left Out: 395.188 $\pm$ 0.084 χ^2/NDF : 14334464.6/23

Right Out: 477.335 $\pm$ 0.099 χ^2/NDF : 10666644.9/30

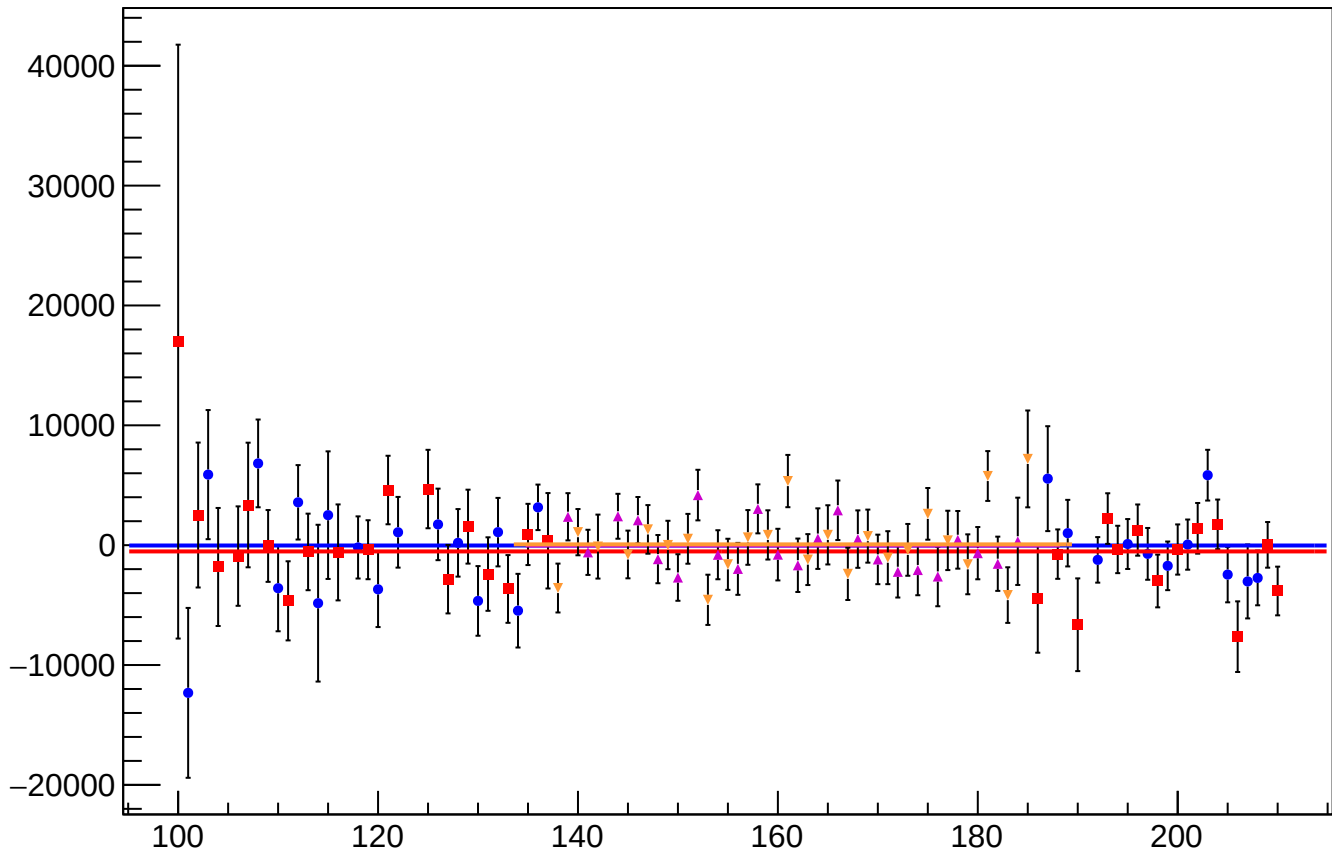
Left In: 492.295 $\pm$ 0.097 χ^2/NDF : 10419523.2/22

+ sign 450.385 $\pm$ 0.068 χ^2/NDF : 22469399.1/50

All: 467.293 $\pm$ 0.048 χ^2/NDF : 43694669.4/10

- sign 484.959 $\pm$ 0.069 χ^2/NDF : 21097837.6/53

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: -27.538 ± 521.504 χ^2/NDF : 35.4/26

Left Out: 66.661 ± 449.750 χ^2/NDF : 33.6/23

Right Out: -521.741 ± 490.203 χ^2/NDF : 29.3/30

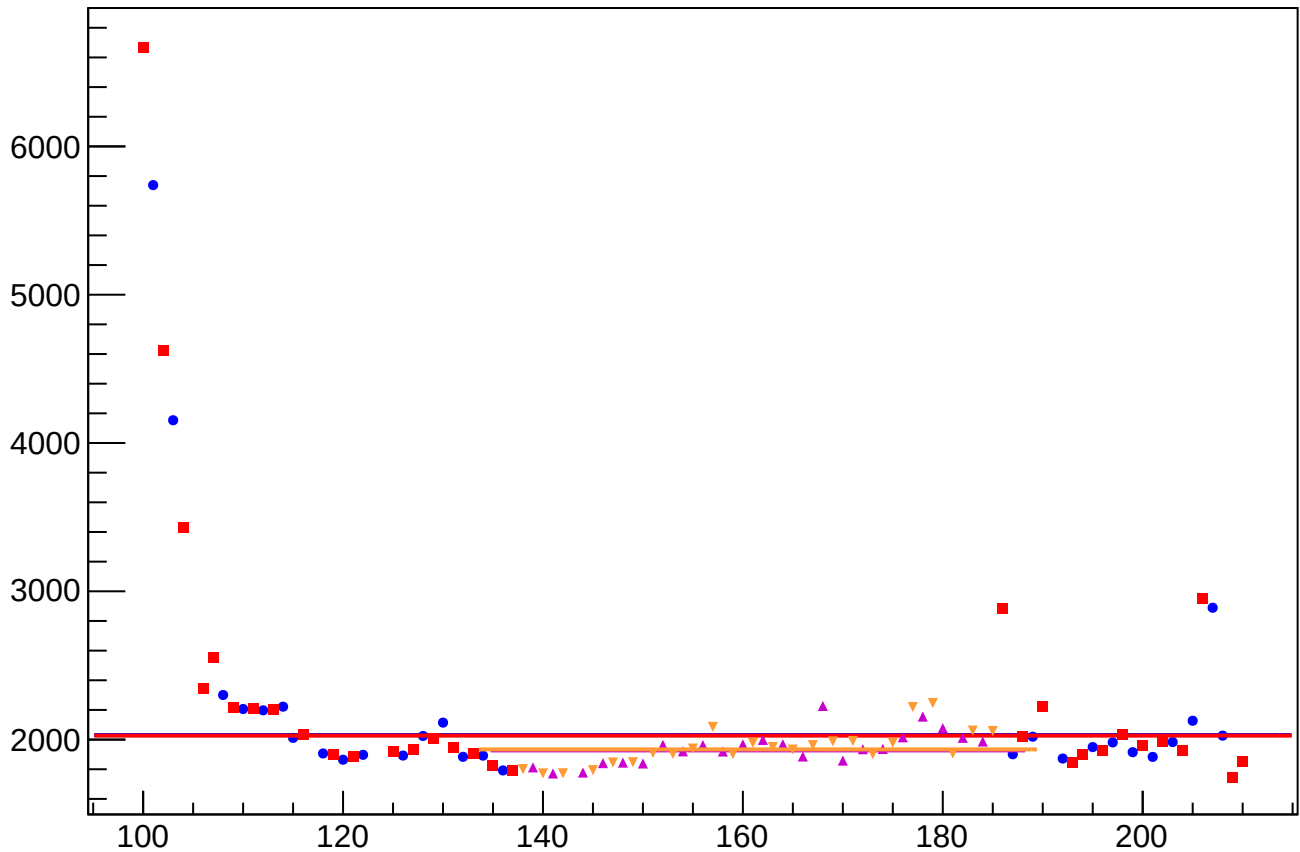
Left In: -25.575 ± 450.755 χ^2/NDF : 20.0/22

+ sign 26.483 ± 340.588 χ^2/NDF : 69.0/50

All: -116.855 ± 237.665 χ^2/NDF : 119.2/104

- sign -252.893 ± 331.802 χ^2/NDF : 49.8/53

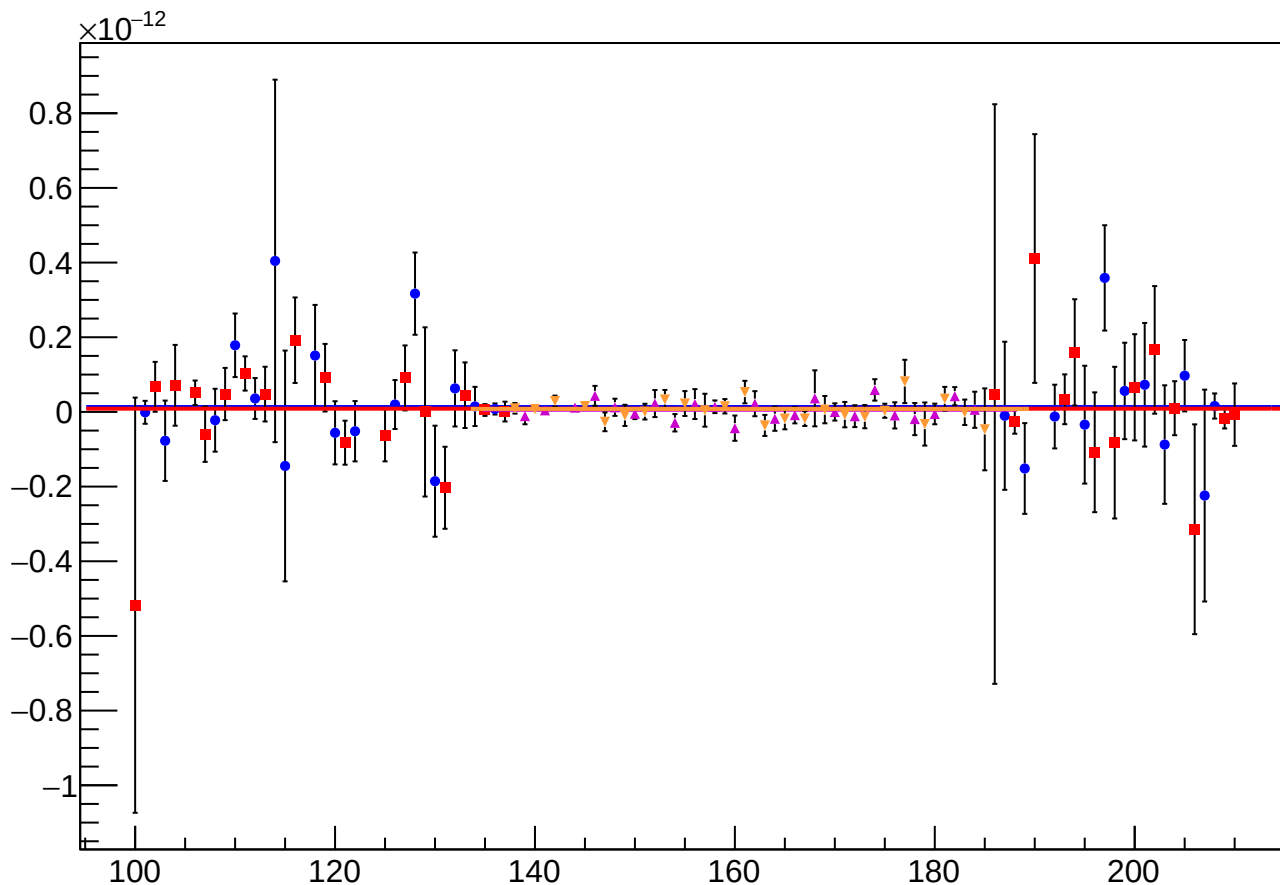
asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2030.577 $\pm$ 0.369 χ^2 /NDF: 1138025.7/26
 Left Out: 1933.804 $\pm$ 0.318 χ^2 /NDF:128531.8/23
 Right Out: 2026.902 $\pm$ 0.347 χ^2 /NDF: 1061190.7/30
 Left In: 1927.125 $\pm$ 0.319 χ^2 /NDF:116436.1/22

+ sign 1975.080 $\pm$ 0.241 χ^2 /NDF: 1306052.1/50
 All: 1973.930 $\pm$ 0.168 χ^2 /NDF: 2528620.4/10
 - sign 1972.838 $\pm$ 0.235 χ^2 /NDF: 1222523.8/53

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:17.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.2/30

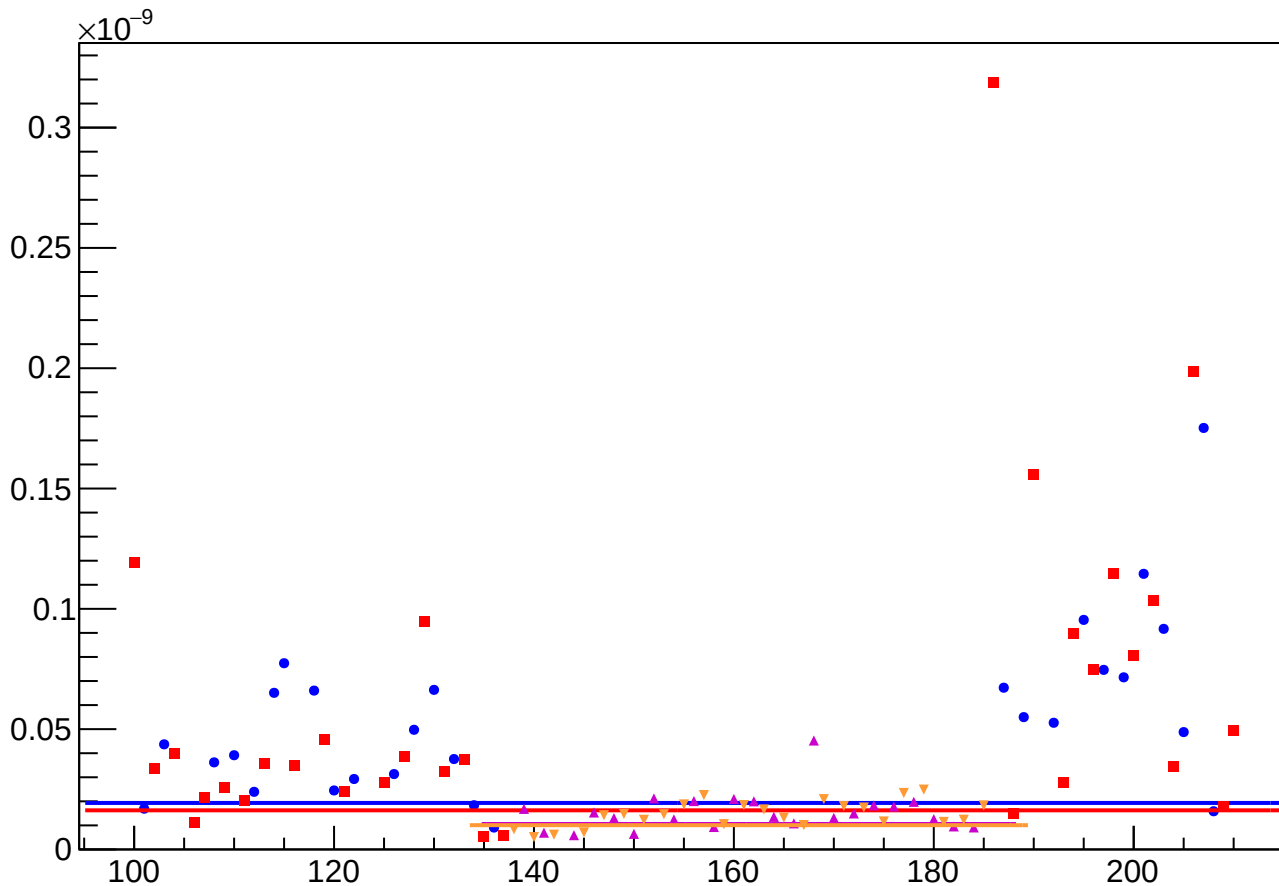
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.7/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 91.9/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 46.0/53

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 5695314.4/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 2274817.9/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 6901692.9/30

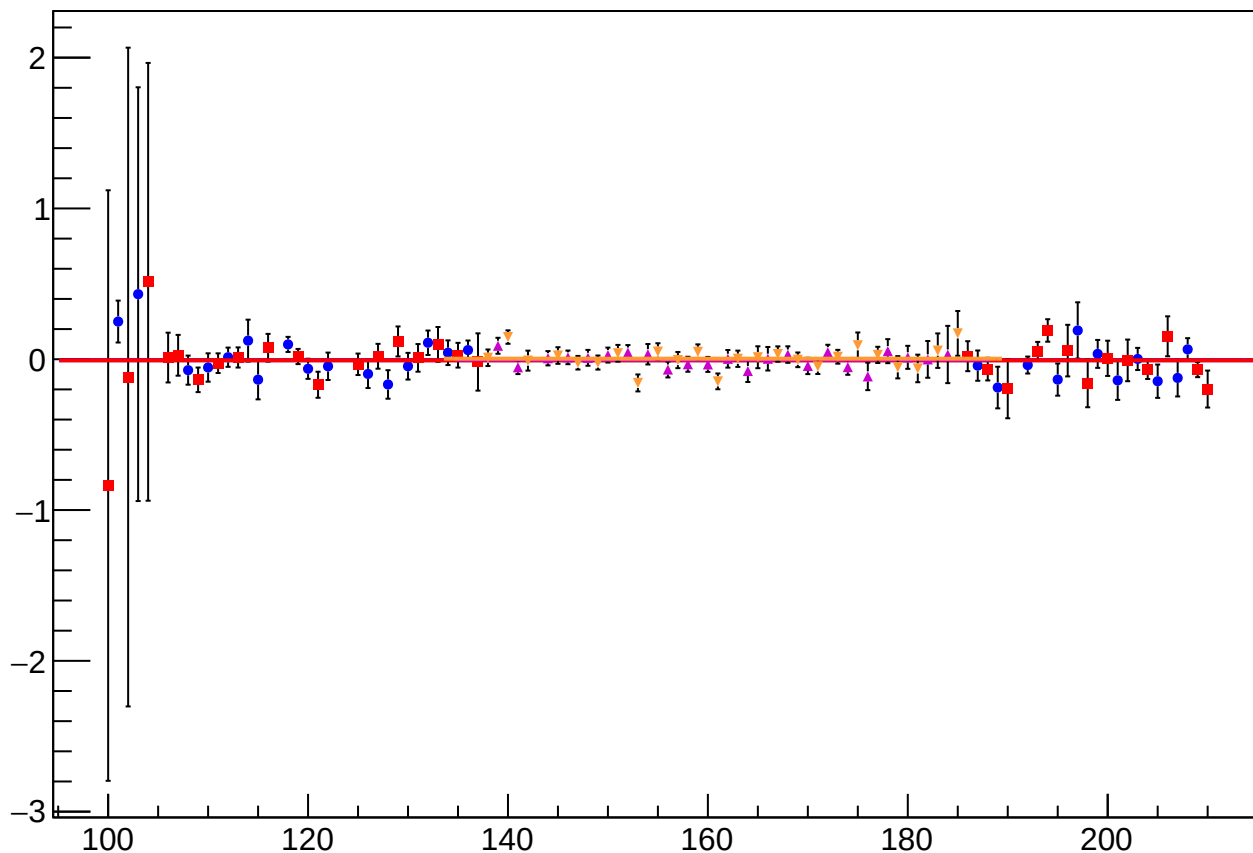
Left In: 0.000 ± 0.000 χ^2/NDF : 2578668.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 9272563.3/50

All: 0.000 ± 0.000 χ^2/NDF : 19375234.4/104

- sign 0.000 ± 0.000 χ^2/NDF : 10098213.4/53

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006 ± 0.017 χ^2/NDF : 28.5/26

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.007 ± 0.016 χ^2/NDF : 27.5/30

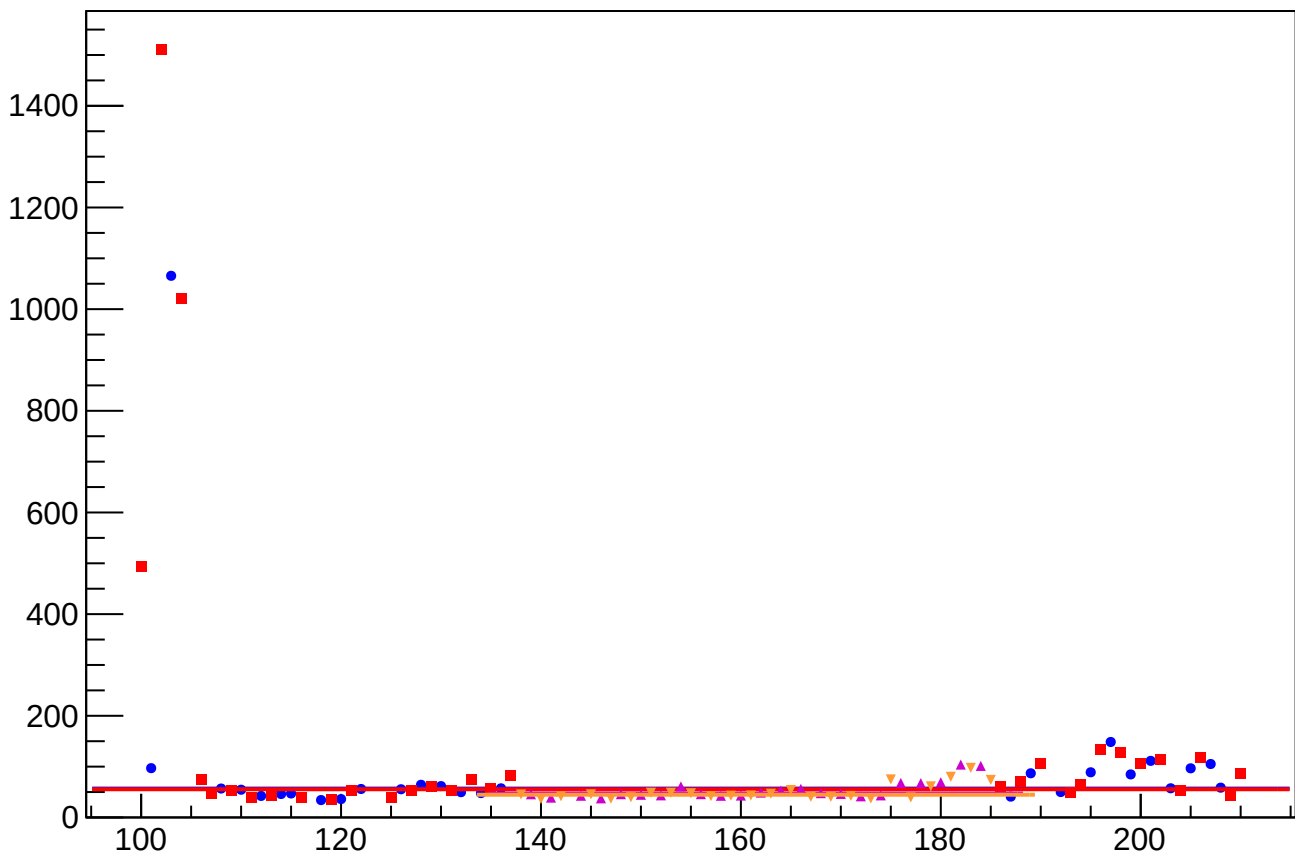
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign 0.001 ± 0.009 χ^2/NDF : 63.8/50

All: -0.002 ± 0.007 χ^2/NDF : 106.0/104

- sign -0.004 ± 0.010 χ^2/NDF : 42.1/53

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 56.720 $\pm$ 0.012 χ^2 /NDF: 3974549.9/26

Left Out: 44.733 $\pm$ 0.008 χ^2 /NDF: 1481436.4/23

Right Out: 55.498 $\pm$ 0.011 χ^2 /NDF: 5207764.2/30

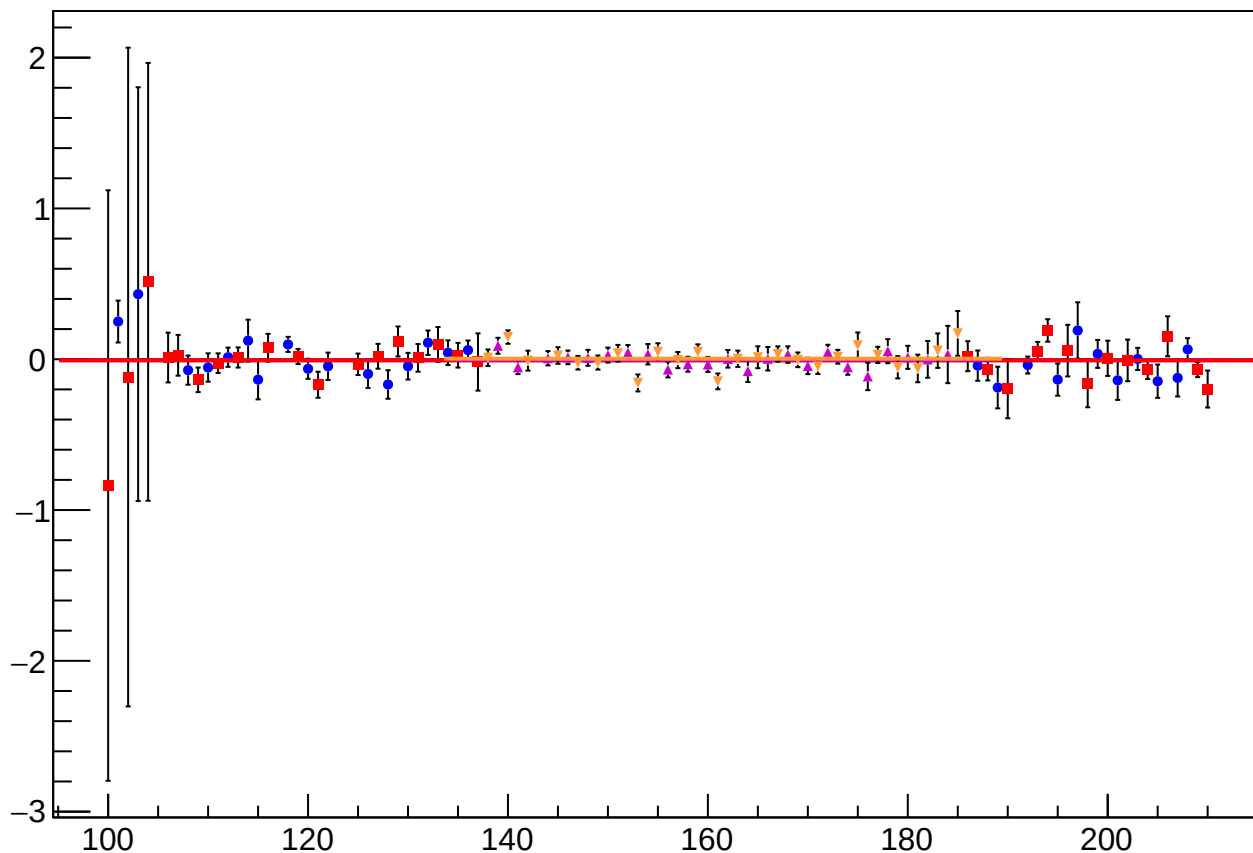
Left In: 47.033 $\pm$ 0.008 χ^2 /NDF: 1383050.4/22

+ sign 48.568 $\pm$ 0.007 χ^2 /NDF: 6150440.5/50

All: 49.304 $\pm$ 0.005 χ^2 /NDF: 13124367.6/104

- sign 50.054 $\pm$ 0.007 χ^2 /NDF: 6949609.9/53

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006 ± 0.017 χ^2/NDF : 28.5/26

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.007 ± 0.016 χ^2/NDF : 27.5/30

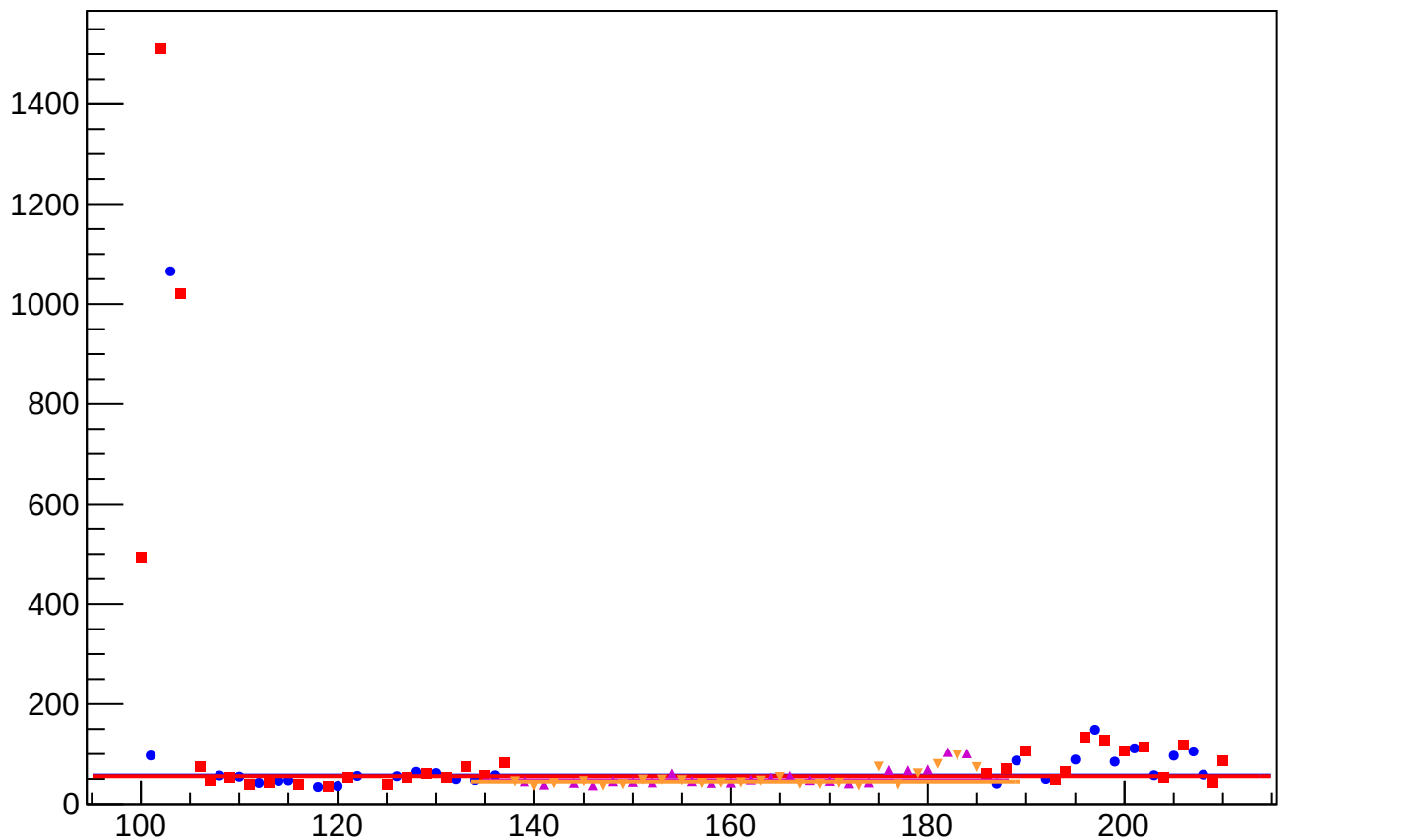
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign 0.001 ± 0.009 χ^2/NDF : 63.8/50

All: -0.002 ± 0.007 χ^2/NDF : 106.0/104

- sign -0.004 ± 0.010 χ^2/NDF : 42.1/53

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 56.720 $\pm$ 0.012 χ^2 /NDF: 3974549.9/26

Left Out: 44.733 $\pm$ 0.008 χ^2 /NDF: 1481436.4/23

Right Out: 55.498 $\pm$ 0.011 χ^2 /NDF: 5207764.2/30

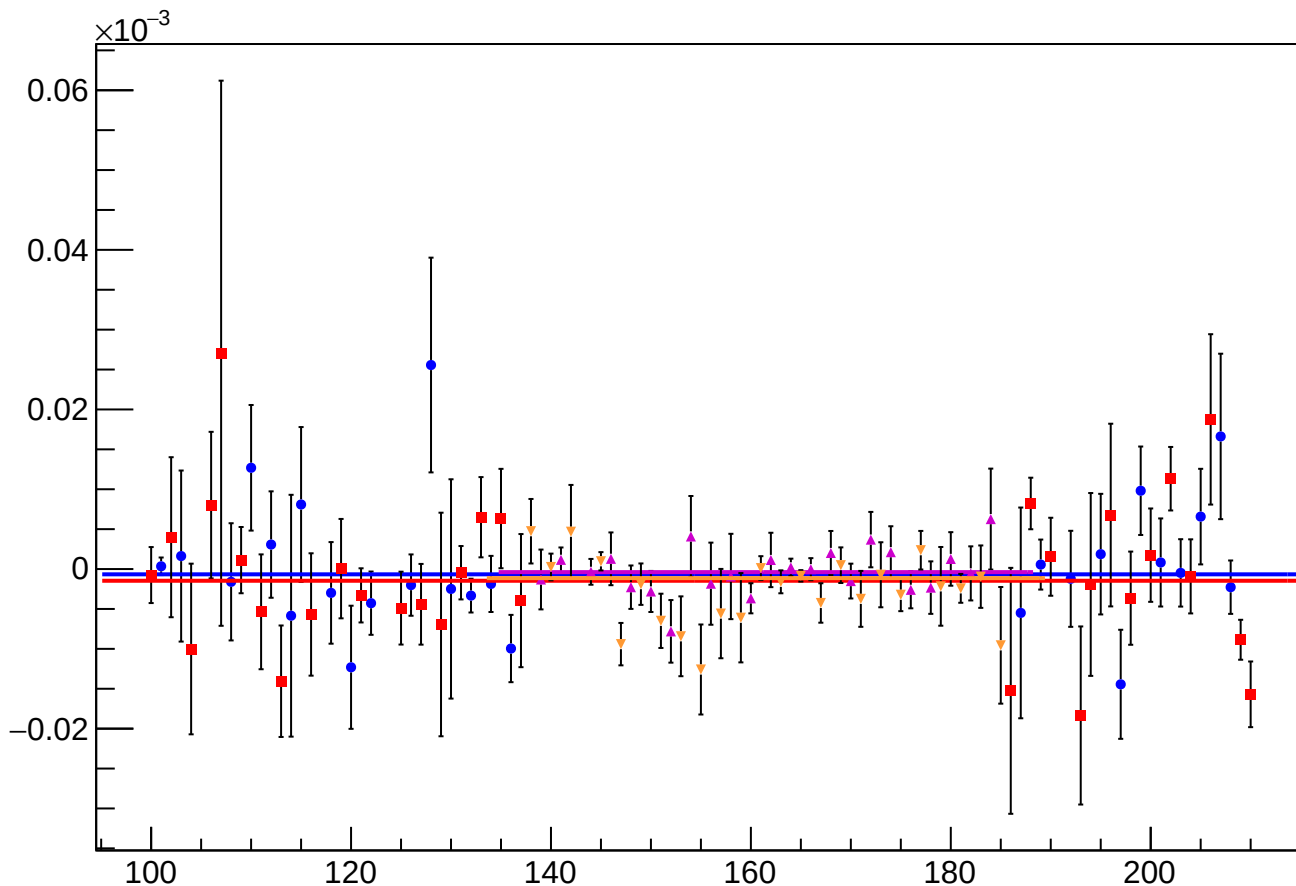
Left In: 47.033 $\pm$ 0.008 χ^2 /NDF: 1383050.4/22

+ sign 48.568 $\pm$ 0.007 χ^2 /NDF: 6150440.5/50

All: 49.304 $\pm$ 0.005 χ^2 /NDF: 13124367.6/104

- sign 50.054 $\pm$ 0.007 χ^2 /NDF: 6949609.9/53

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 31.4/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.7/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 60.7/30

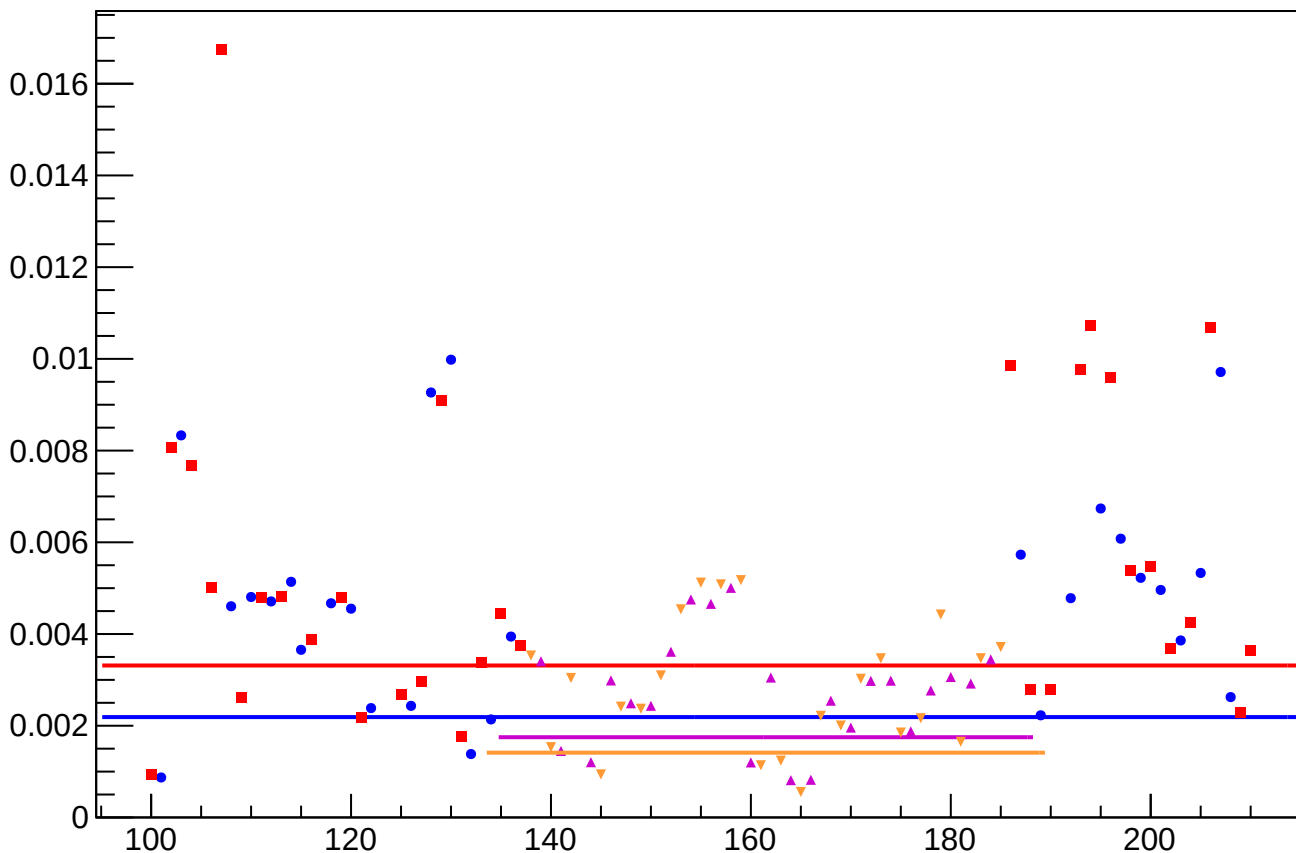
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.3/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 67.4/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 146.0/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 78.1/53

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 11658407.3/26

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:11586658.8/23

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 8006374.6/30

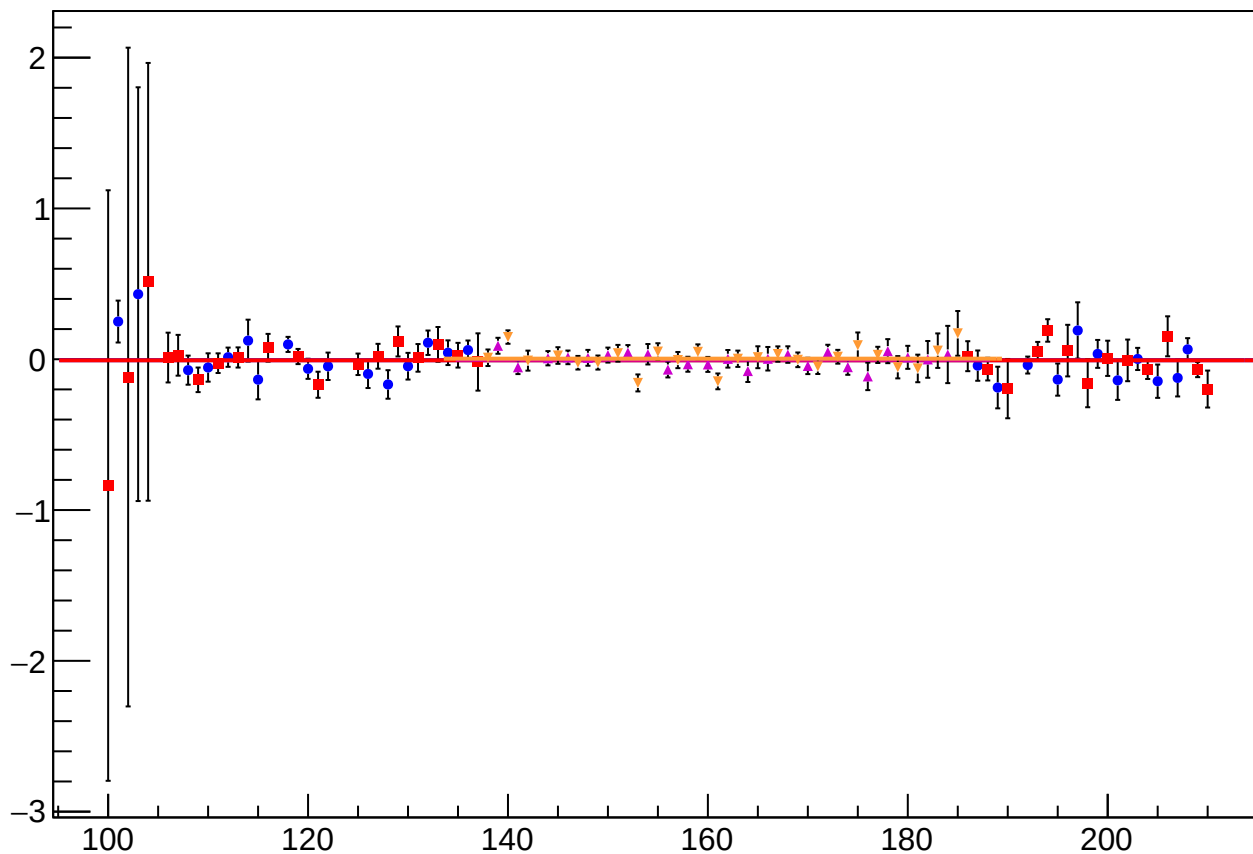
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:8238945.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 24961823.2/50

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 47190221.7/104

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 20689062.1/53

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006 ± 0.017 χ^2/NDF : 28.5/26

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.007 ± 0.016 χ^2/NDF : 27.5/30

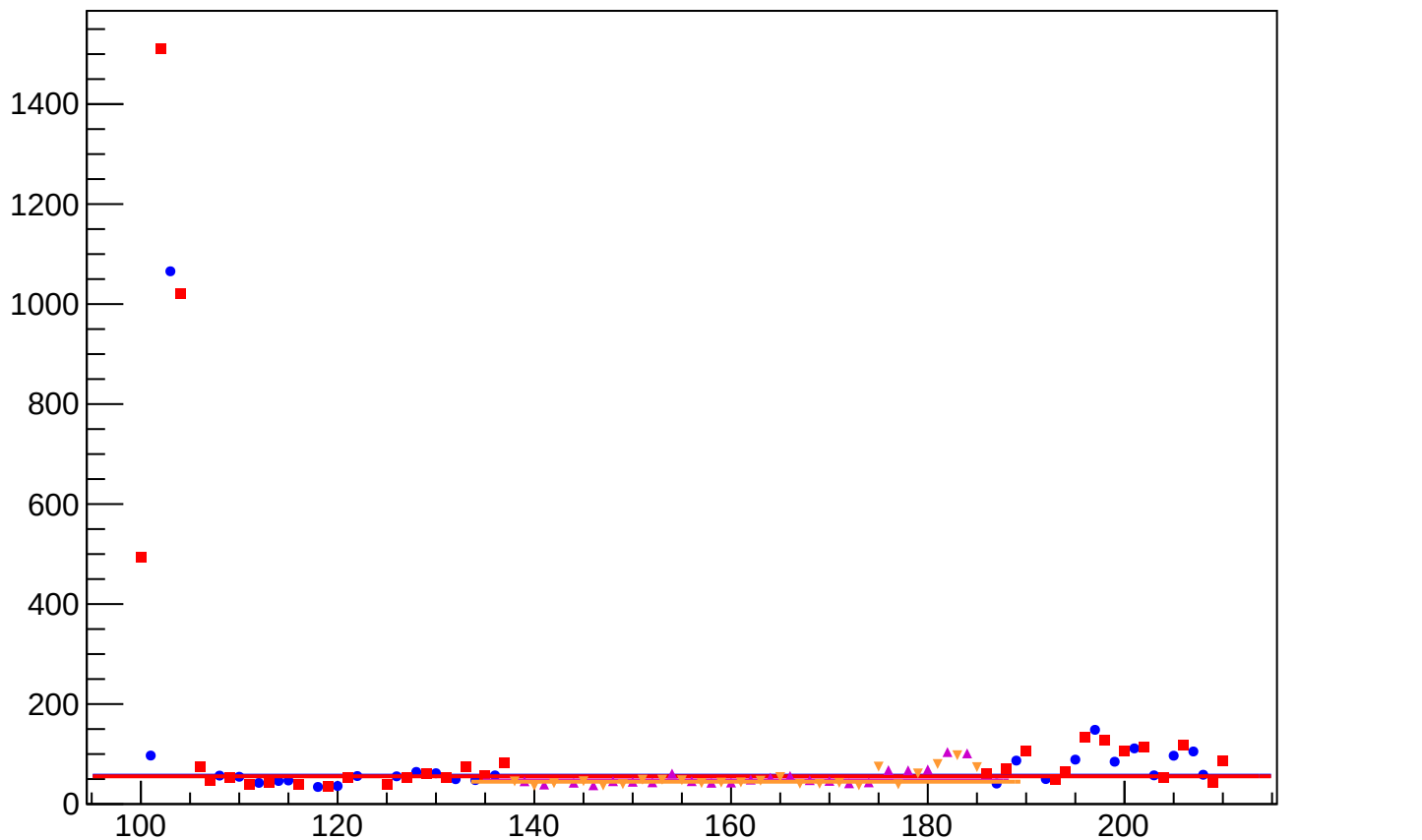
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign 0.001 ± 0.009 χ^2/NDF : 63.8/50

All: -0.002 ± 0.007 χ^2/NDF : 106.0/104

- sign -0.004 ± 0.010 χ^2/NDF : 42.1/53

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 56.720 $\pm$ 0.012 χ^2 /NDF: 3974604.4/26

Left Out: 44.733 $\pm$ 0.008 χ^2 /NDF: 1481436.0/23

Right Out: 55.497 $\pm$ 0.011 χ^2 /NDF: 5207945.5/30

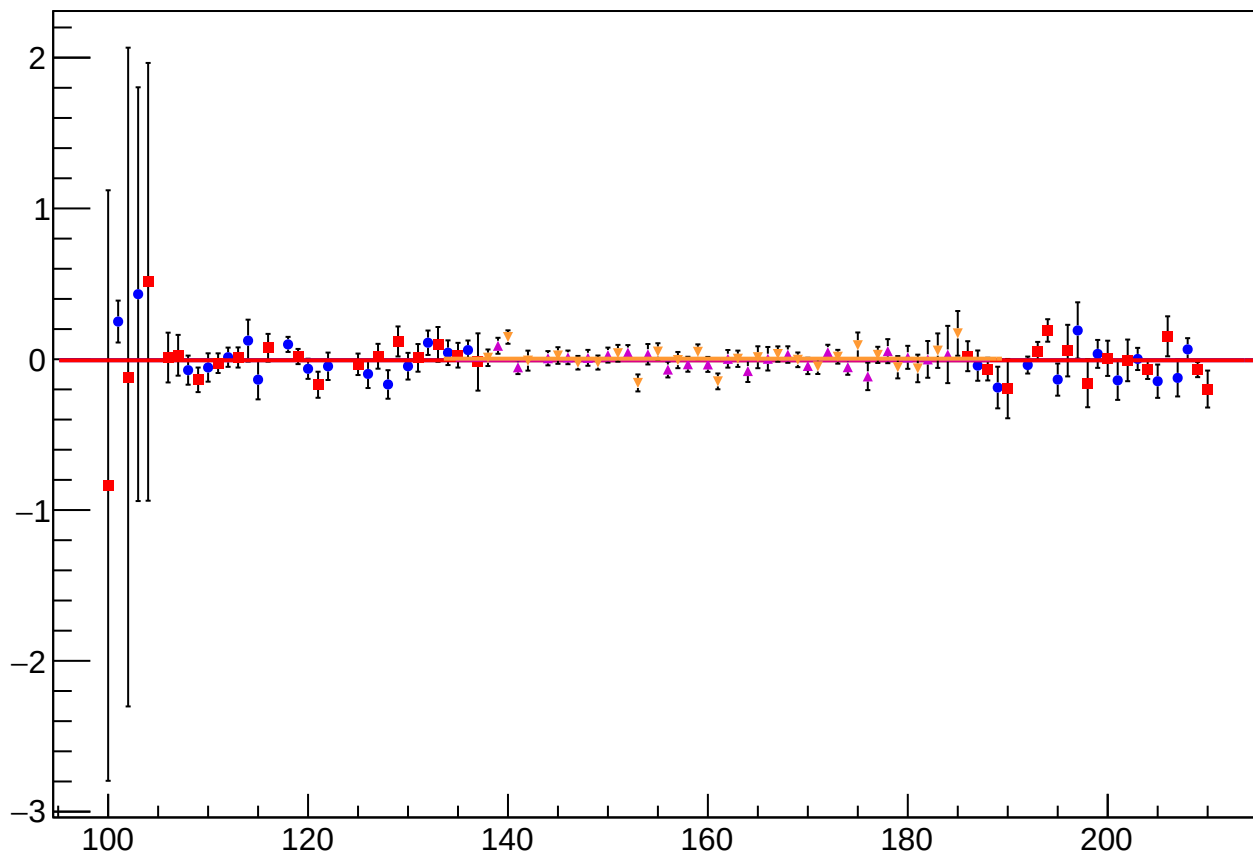
Left In: 47.033 $\pm$ 0.008 χ^2 /NDF: 1383121.1/22

+ sign 48.568 $\pm$ 0.007 χ^2 /NDF: 6150425.8/50

All: 49.304 $\pm$ 0.005 χ^2 /NDF: 13124536.1/104

- sign 50.054 $\pm$ 0.007 χ^2 /NDF: 6949808.0/53

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006 ± 0.017 χ^2/NDF : 28.5/26

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.007 ± 0.016 χ^2/NDF : 27.5/30

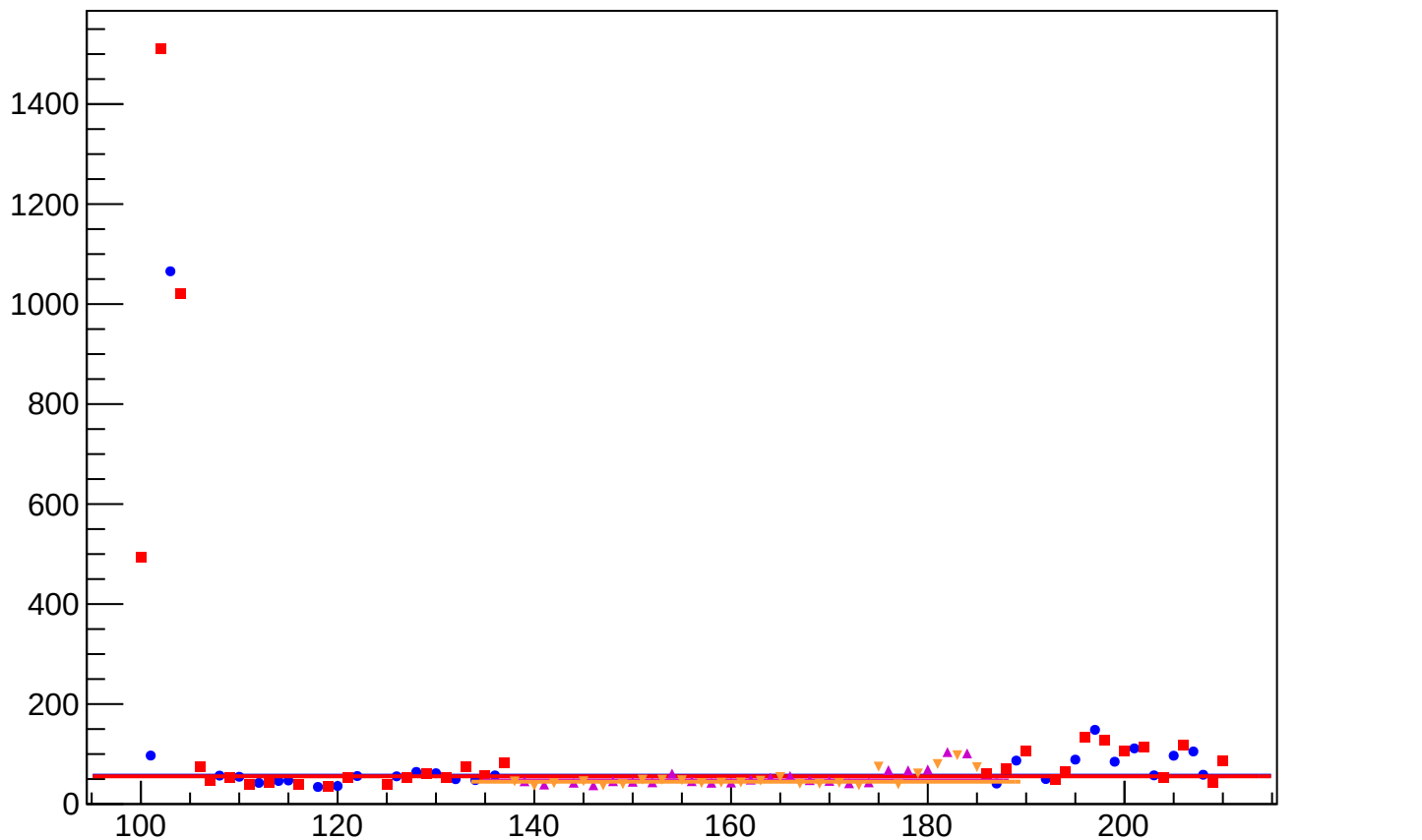
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign 0.001 ± 0.009 χ^2/NDF : 63.8/50

All: -0.002 ± 0.007 χ^2/NDF : 106.0/104

- sign -0.004 ± 0.010 χ^2/NDF : 42.1/53

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 56.720 $\pm$ 0.012 χ^2 /NDF: 3974604.4/26

Left Out: 44.733 $\pm$ 0.008 χ^2 /NDF: 1481436.0/23

Right Out: 55.497 $\pm$ 0.011 χ^2 /NDF: 5207945.5/30

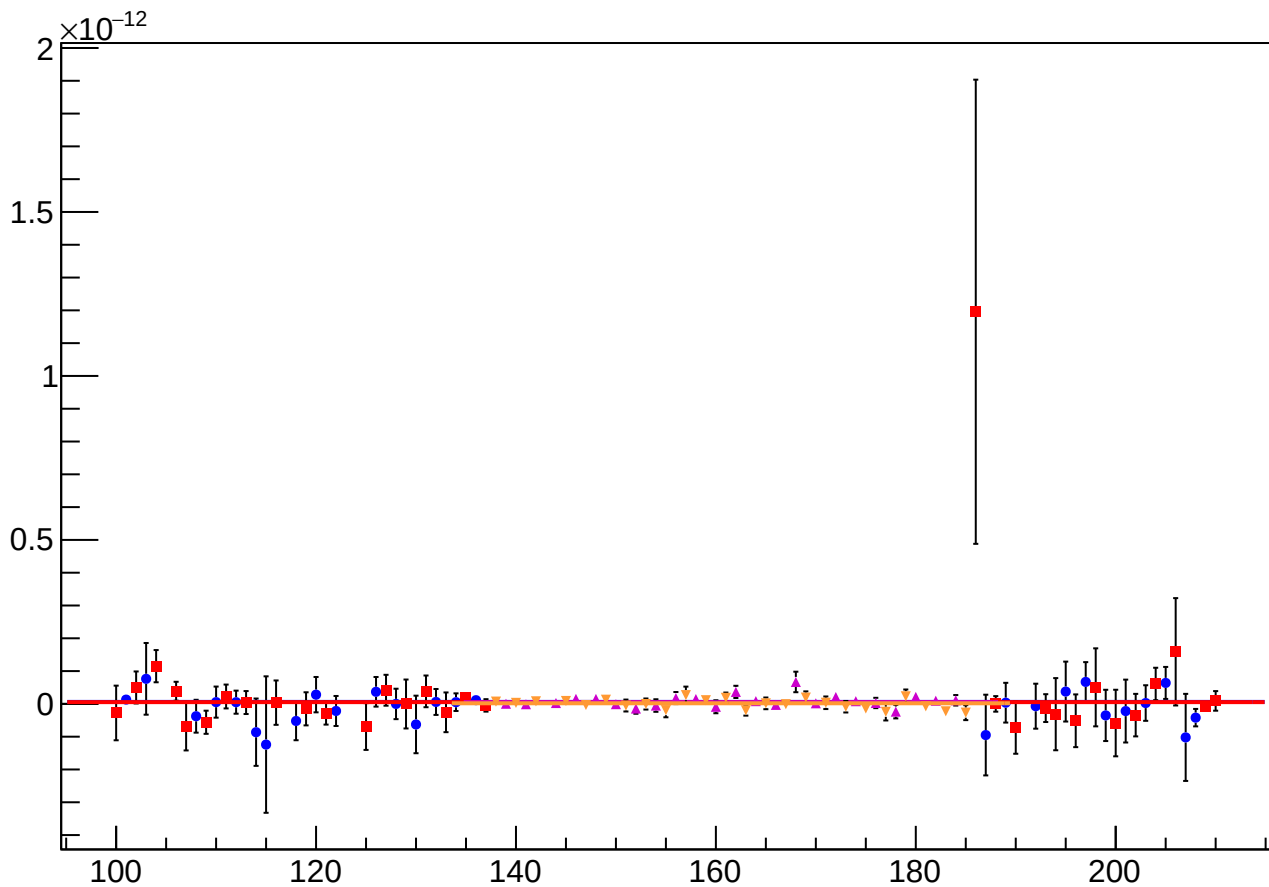
Left In: 47.033 $\pm$ 0.008 χ^2 /NDF: 1383121.1/22

+ sign 48.568 $\pm$ 0.007 χ^2 /NDF: 6150425.8/50

All: 49.304 $\pm$ 0.005 χ^2 /NDF: 13124536.1/104

- sign 50.054 $\pm$ 0.007 χ^2 /NDF: 6949808.0/53

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:20.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/30

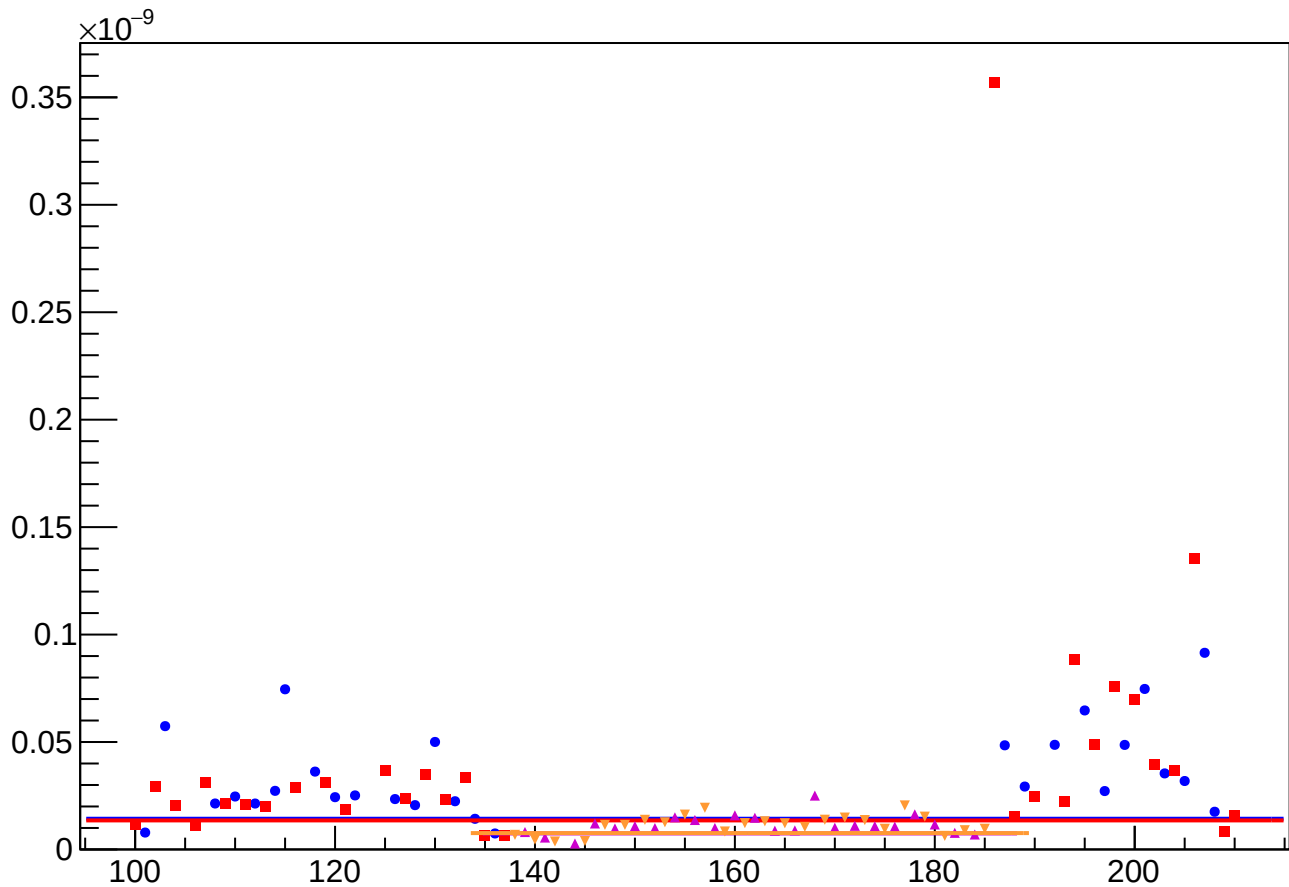
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:17.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34.1/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 78.3/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 43.4/53

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7143200.5/26

Left Out: 0.000+/-0.000 χ^2/NDF :5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8298362.1/30

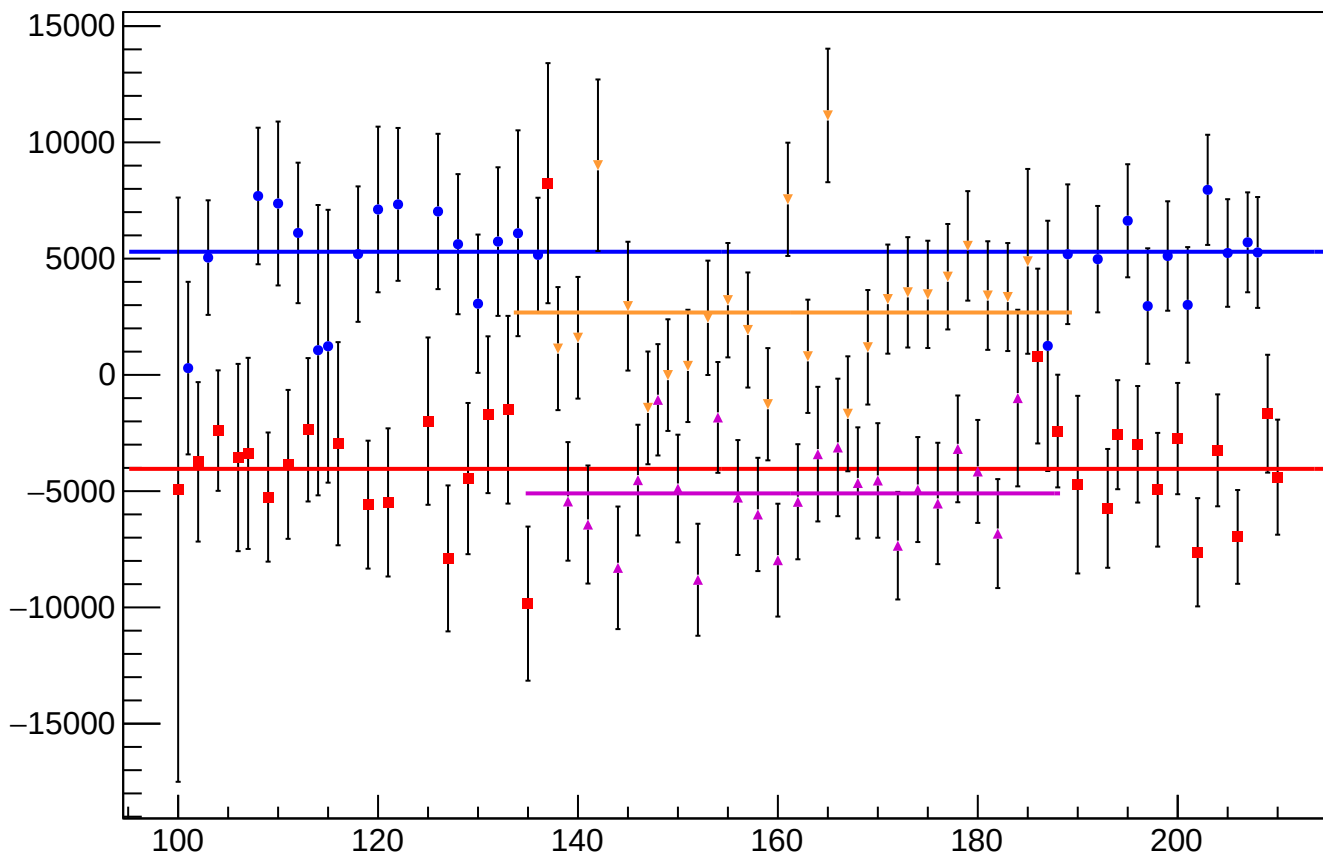
Left In: 0.000+/-0.000 χ^2/NDF :5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 14721367.3/50

All: 0.000+/-0.000 χ^2/NDF : 30944462.7/104

- sign 0.000+/-0.000 χ^2/NDF : 16220490.7/53

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5295.997 $\pm$ 551.986 χ^2 /NDF: 9.3/26

Left Out: 2682.870 $\pm$ 512.020 χ^2 /NDF:30.8/23

Right Out: -4041.477 $\pm$ 527.349 χ^2 /NDF: 22.1/30

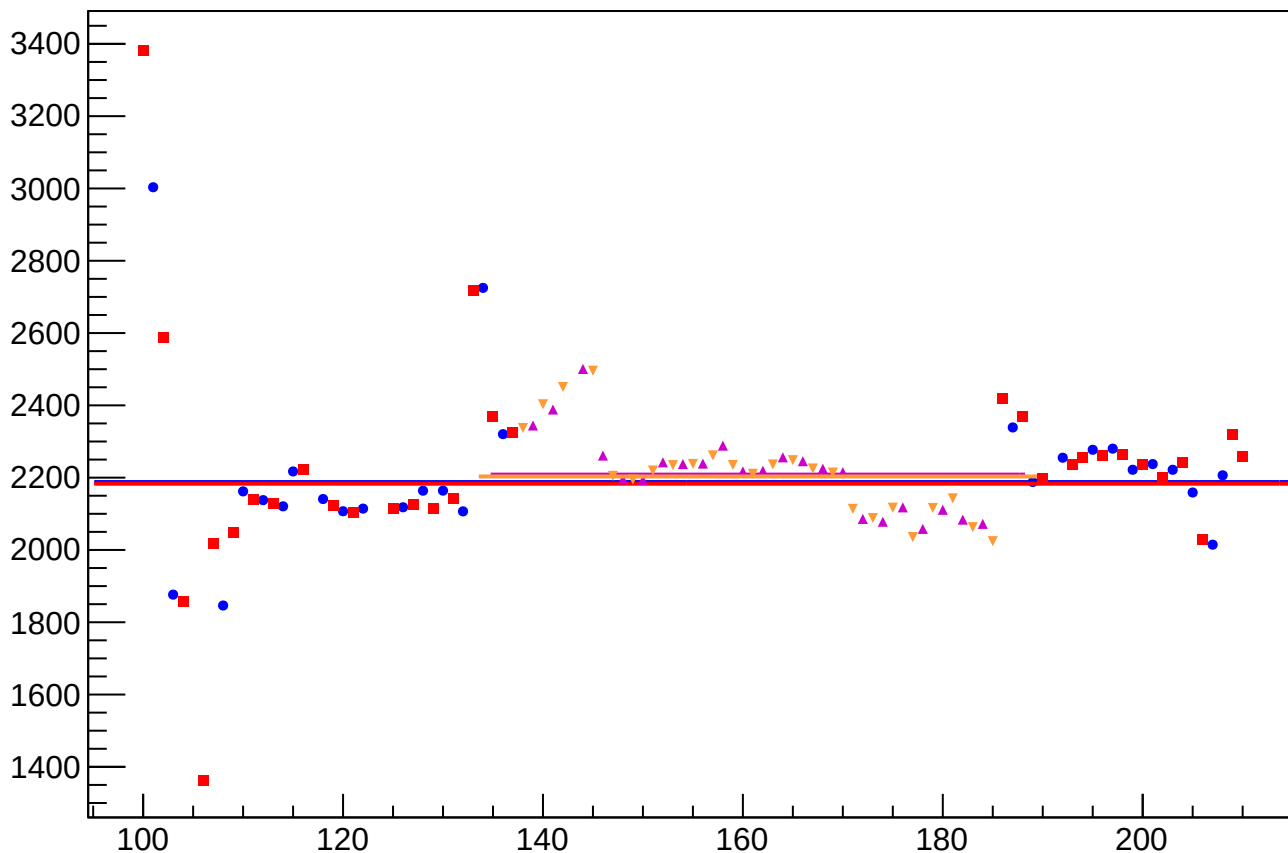
Left In: -5096.427 $\pm$ 516.232 χ^2 /NDF:14.9/22

+ sign 3891.417 $\pm$ 375.388 χ^2 /NDF: 52.2/50

All: -418.238 $\pm$ 263.115 χ^2 /NDF: 350.3/104

- sign -4580.188 $\pm$ 368.899 χ^2 /NDF: 39.0/53

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2187.780+/-0.390 χ^2/NDF : 220607.6/26

Left Out: 2203.297+/-0.362 χ^2/NDF : 88208.3/23

Right Out: 2183.269+/-0.370 χ^2/NDF : 332573.7/30

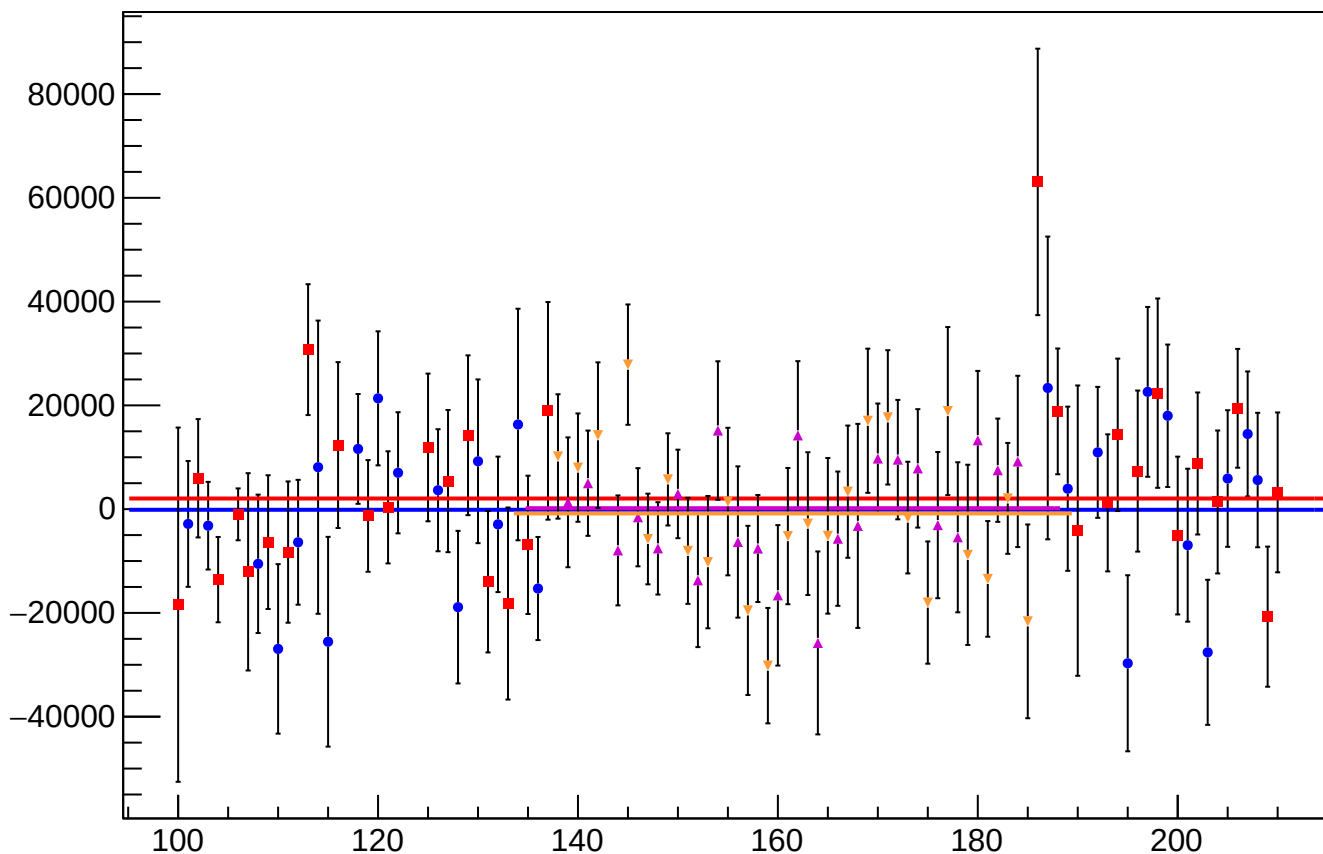
Left In: 2208.379+/-0.365 χ^2/NDF : 80994.3/22

+ sign 2196.120+/-0.265 χ^2/NDF : 309665.3/50

All: 2196.062+/-0.186 χ^2/NDF : 725565.2/104

- sign 2196.005+/-0.260 χ^2/NDF : 415899.7/53

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug



Right In: -123.571 $\pm$ 2588.769 χ^2 /NDF: 28.9/26

Left Out: -833.485 $\pm$ 2481.469 χ^2 /NDF: 29.5/23

Right Out: 2047.721 $\pm$ 2264.646 χ^2 /NDF: 31.9/30

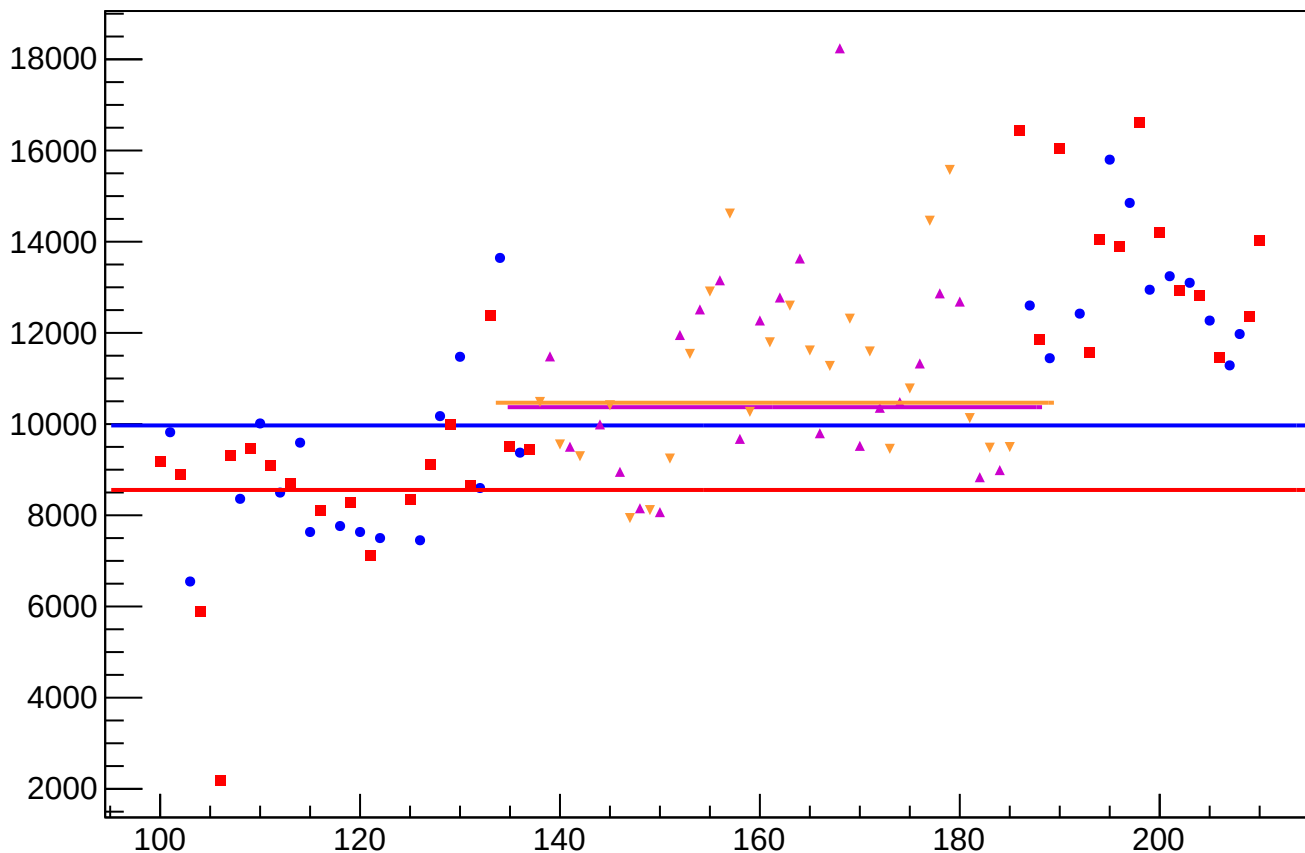
Left In: 182.426 $\pm$ 2471.223 χ^2 /NDF: 13.8/22

+ sign -493.545 $\pm$ 1791.396 χ^2 /NDF: 58.4/50

All: 410.757 $\pm$ 1221.379 χ^2 /NDF: 104.9/104

- sign 1196.283 $\pm$ 1669.609 χ^2 /NDF: 45.9/53

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 9970.528+/-1.831 χ^2/NDF : 1798997.1/26

Left Out: 10468.677+/-1.755 χ^2/NDF : 1045257.2/23

Right Out: 8555.388+/-1.601 χ^2/NDF : 6341297.0/30

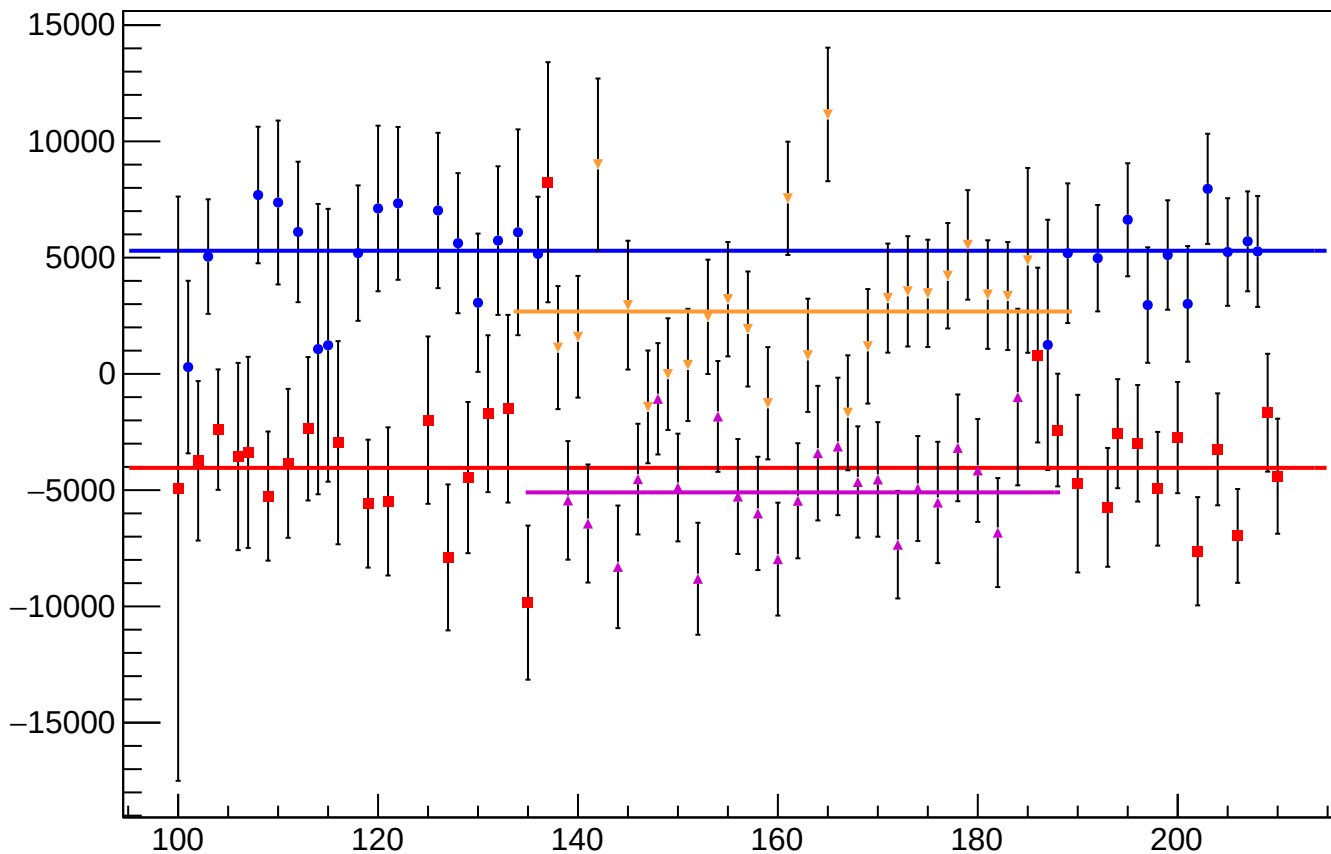
Left In: 10370.895+/-1.747 χ^2/NDF : 1203758.1/22

+ sign 10230.140+/-1.267 χ^2/NDF : 2882848.9/50

All: 9777.386+/-0.864 χ^2/NDF : 11253350.8/100

- sign 9384.100+/-1.181 χ^2/NDF : 8131775.7/53

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5296.061 $\pm$ 551.986 χ^2 /NDF: 9.3/26

Left Out: 2682.792 $\pm$ 512.020 χ^2 /NDF:30.8/23

Right Out: -4041.379 $\pm$ 527.349 χ^2 /NDF: 22.0/30

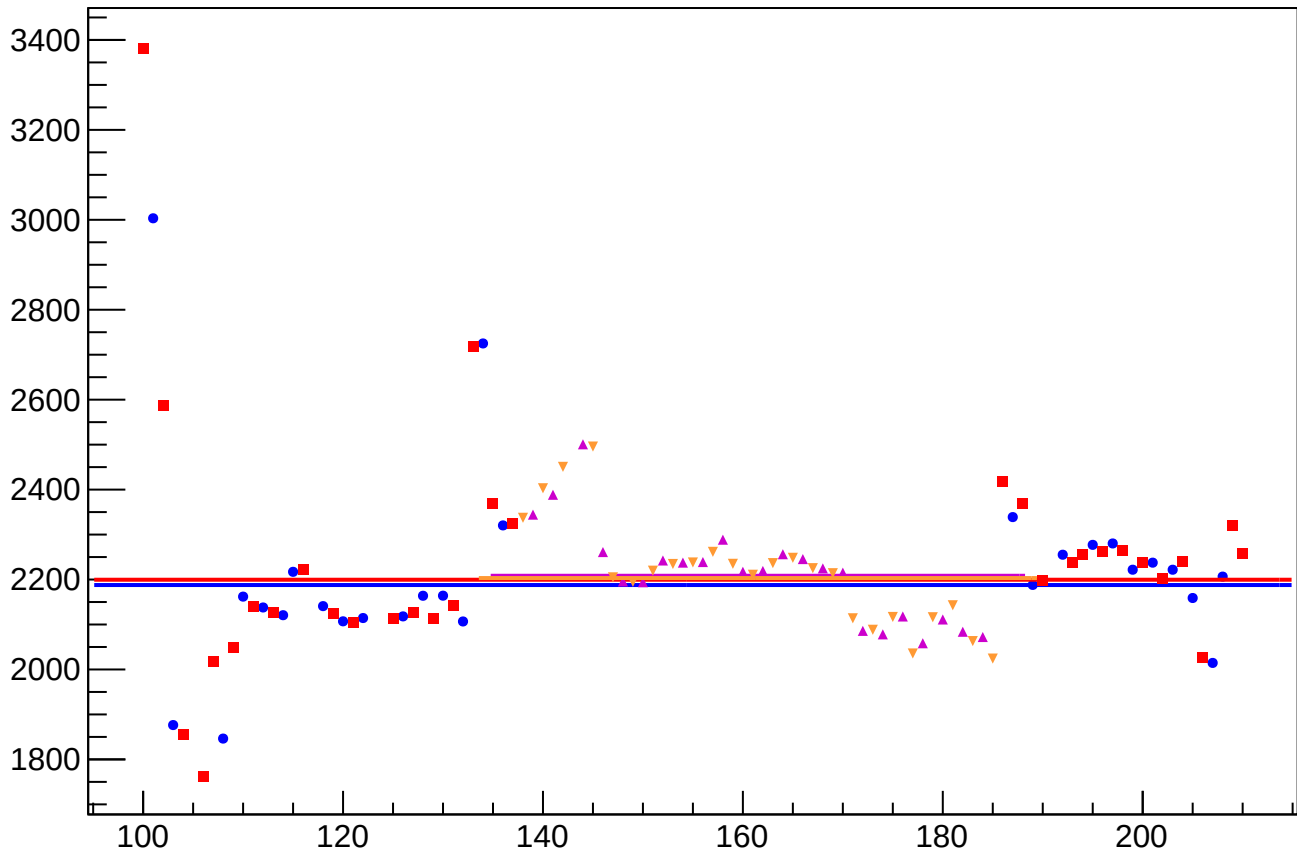
Left In: -5096.334 $\pm$ 516.232 χ^2 /NDF:14.9/22

+ sign 3891.405 $\pm$ 375.388 χ^2 /NDF: 52.2/50

All: -418.196 $\pm$ 263.115 χ^2 /NDF: 350.3/104

- sign -4580.093 $\pm$ 368.899 χ^2 /NDF: 39.0/53

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2187.780+/-0.390 χ^2/NDF : 220607.9/26

Left Out: 2203.297+/-0.362 χ^2/NDF : 88208.3/23

Right Out: 2199.571+/-0.372 χ^2/NDF : 208307.0/30

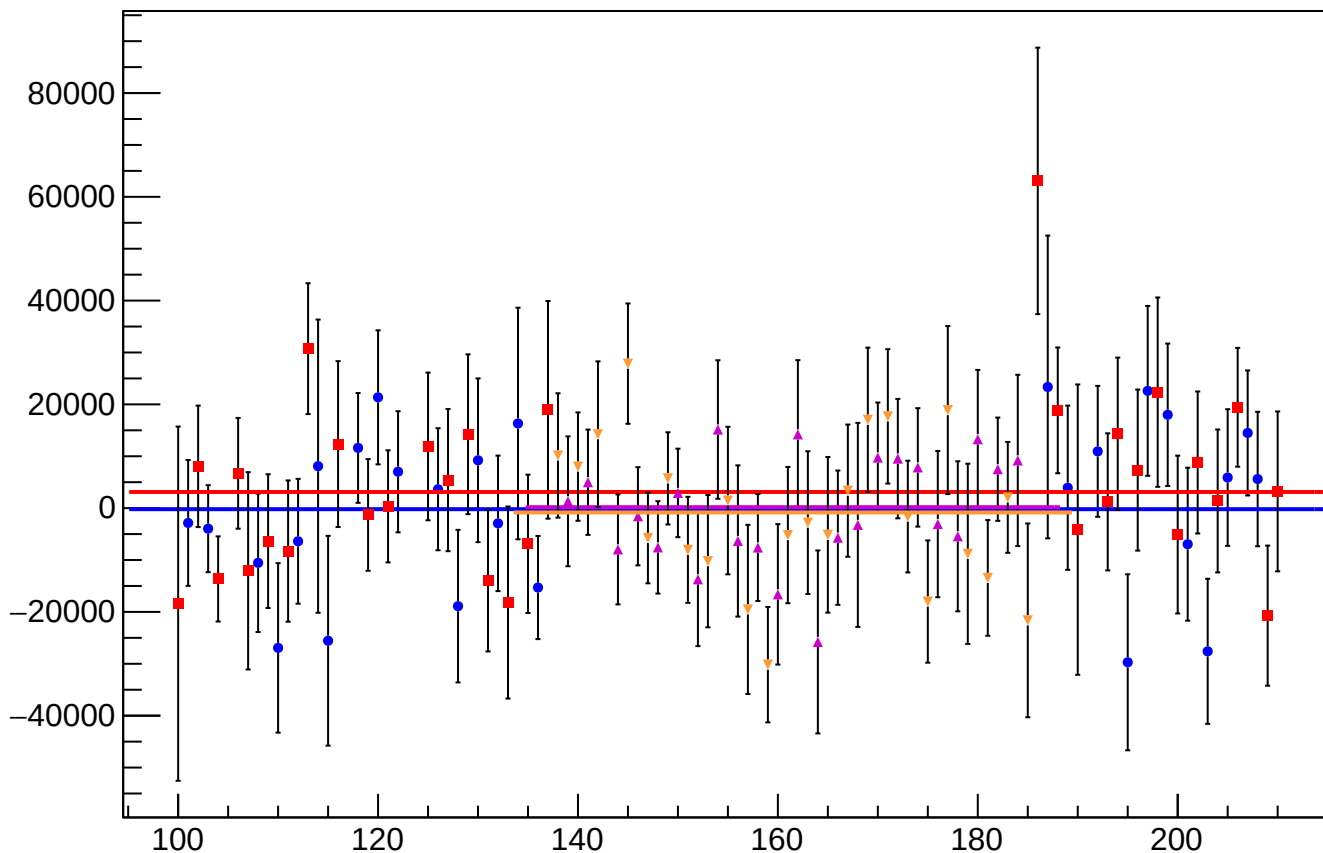
Left In: 2208.379+/-0.365 χ^2/NDF : 80994.3/22

+ sign 2196.120+/-0.265 χ^2/NDF : 309665.7/50

All: 2200.163+/-0.186 χ^2/NDF : 599708.1/104

- sign 2204.060+/-0.261 χ^2/NDF : 289586.8/53

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug



Right In: -200.703 ± 2586.899 $\chi^2/\text{NDF}: 29.0/26$

Left Out: -833.458 ± 2481.469 $\chi^2/\text{NDF}: 29.5/23$

Right Out: 3116.989 ± 2473.539 $\chi^2/\text{NDF}: 31.7/30$

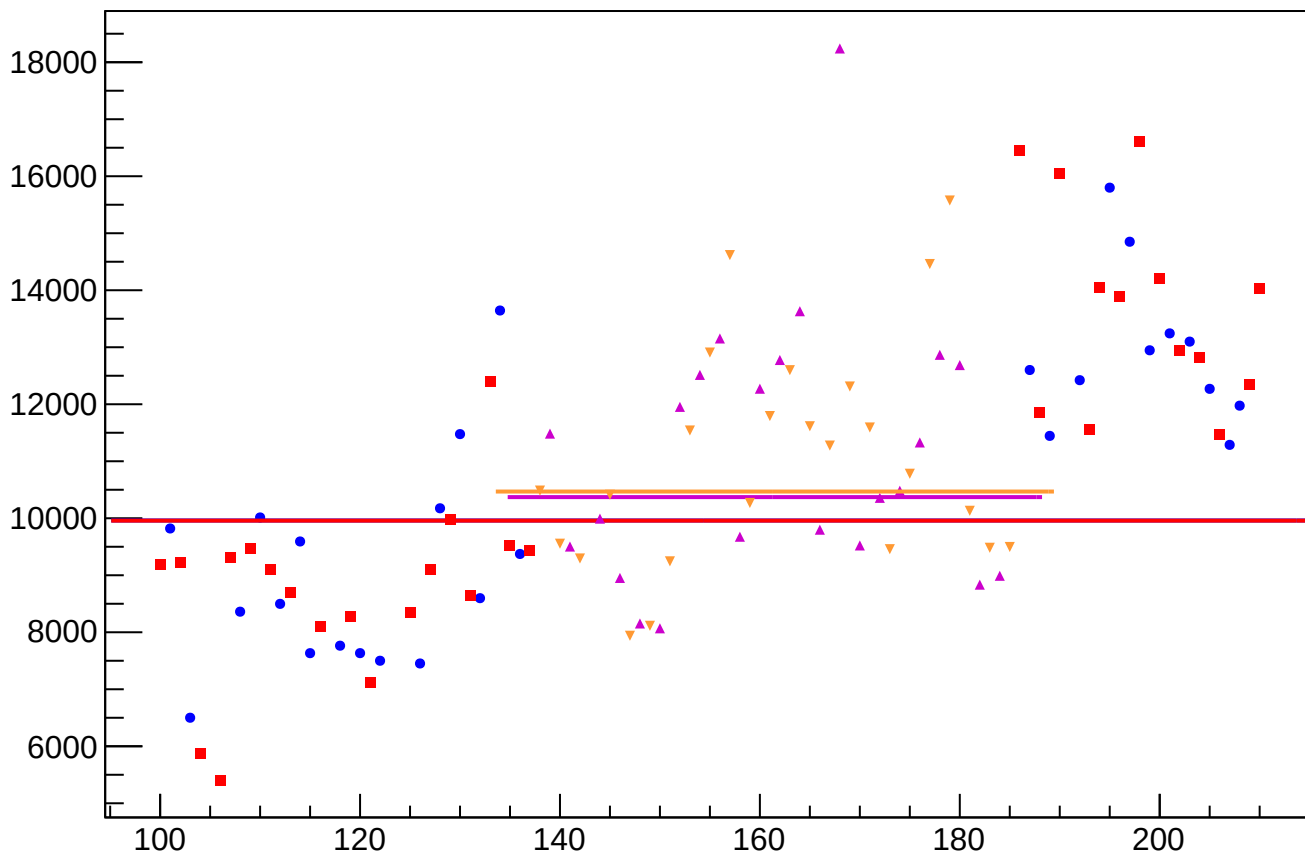
Left In: 182.360 ± 2471.221 $\chi^2/\text{NDF}: 13.8/22$

+ sign -530.237 ± 1790.776 $\chi^2/\text{NDF}: 58.5/50$

All: 585.213 ± 1250.959 $\chi^2/\text{NDF}: 105.4/104$

- sign 1648.299 ± 1748.236 $\chi^2/\text{NDF}: 46.2/53$

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug



Right In: 9961.065+/-1.829 χ^2/NDF : 1813285.9/26

Left Out: 10468.676+/-1.755 χ^2/NDF : 1045258.5/23

Right Out: 9958.338+/-1.749 χ^2/NDF : 2629429.4/30

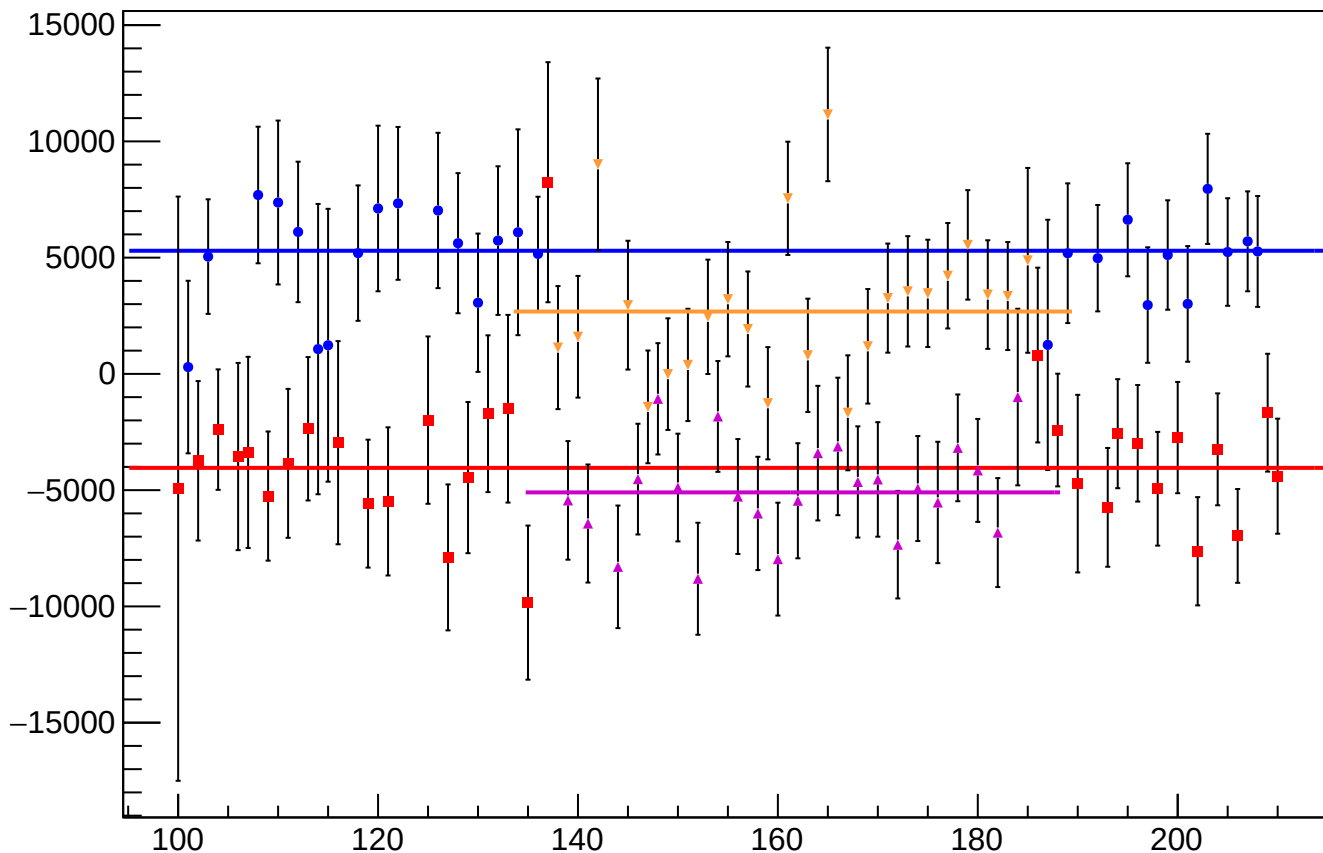
Left In: 10370.886+/-1.747 χ^2/NDF : 1203763.9/22

+ sign 10225.425+/-1.266 χ^2/NDF : 2898649.3/50

All: 10194.387+/-0.885 χ^2/NDF : 6760859.2/100

- sign 10164.805+/-1.236 χ^2/NDF : 3861036.4/53

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5296.061 $\pm$ 551.986 χ^2 /NDF: 9.3/26

Left Out: 2682.792 $\pm$ 512.020 χ^2 /NDF:30.8/23

Right Out: -4041.379 $\pm$ 527.349 χ^2 /NDF: 22.0/30

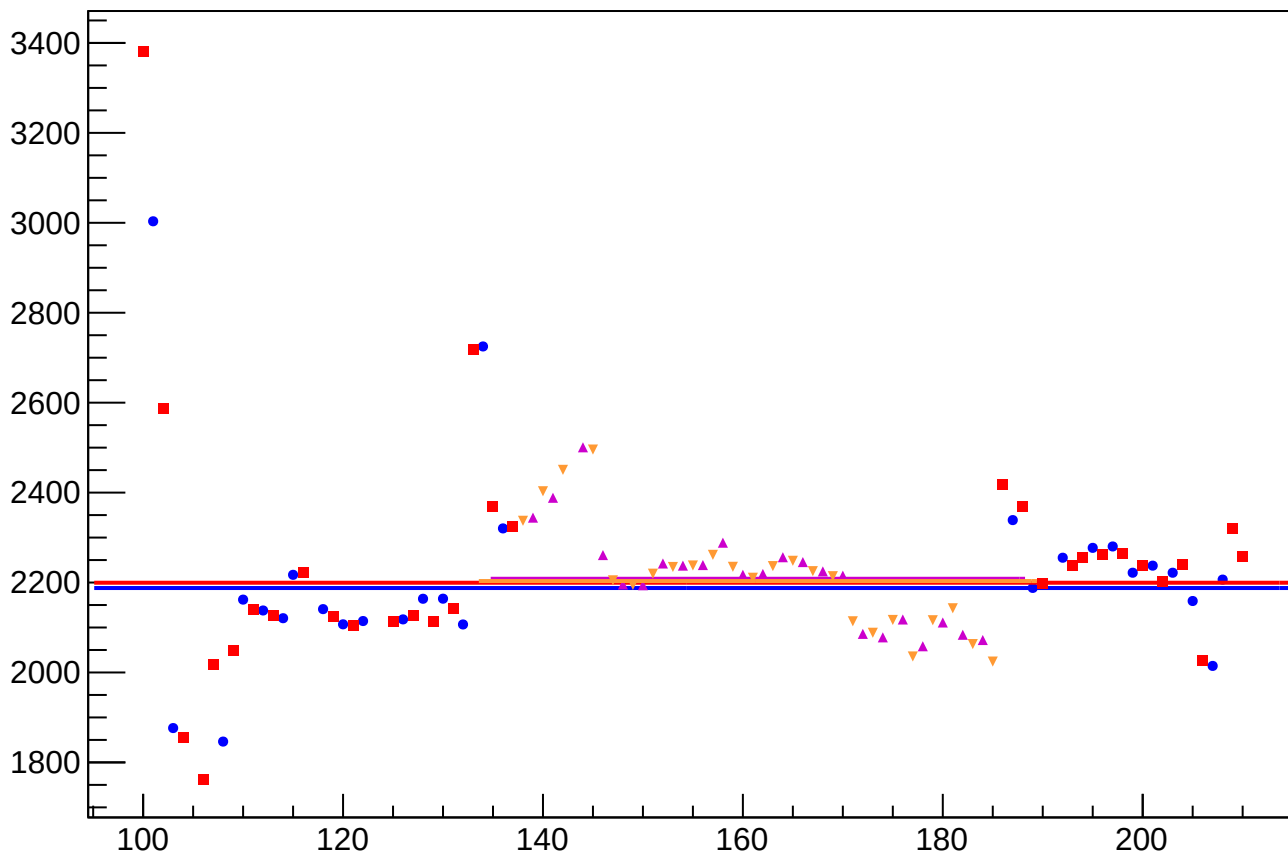
Left In: -5096.334 $\pm$ 516.232 χ^2 /NDF:14.9/22

+ sign 3891.405 $\pm$ 375.388 χ^2 /NDF: 52.2/50

All: -418.196 $\pm$ 263.115 χ^2 /NDF: 350.3/104

- sign -4580.093 $\pm$ 368.899 χ^2 /NDF: 39.0/53

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2187.780 $\pm$ 0.390 χ^2 /NDF: 220607.9/26

Left Out: 2203.297 $\pm$ 0.362 χ^2 /NDF: 88208.3/23

Right Out: 2199.571 $\pm$ 0.372 χ^2 /NDF: 208307.0/30

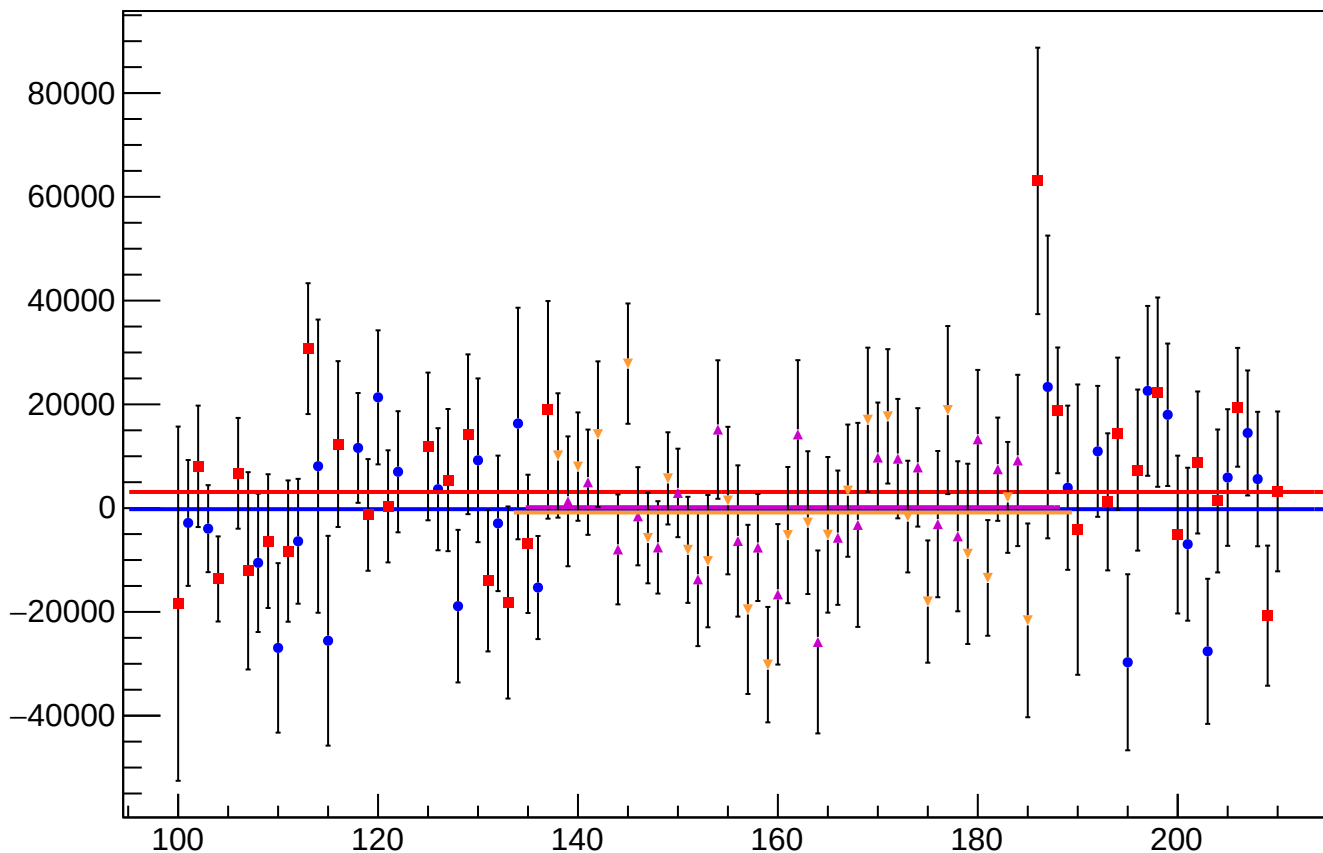
Left In: 2208.379 $\pm$ 0.365 χ^2 /NDF: 80994.3/22

+ sign 2196.120 $\pm$ 0.265 χ^2 /NDF: 309665.7/50

All: 2200.163 $\pm$ 0.186 χ^2 /NDF: 599708.1/104

- sign 2204.060 $\pm$ 0.261 χ^2 /NDF: 289586.8/53

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -200.703 $\pm$ 2586.899 χ^2 /NDF: 29.0/26

Left Out: -833.458 $\pm$ 2481.469 χ^2 /NDF:29.5/23

Right Out: 3116.989 $\pm$ 2473.539 χ^2 /NDF: 31.7/30

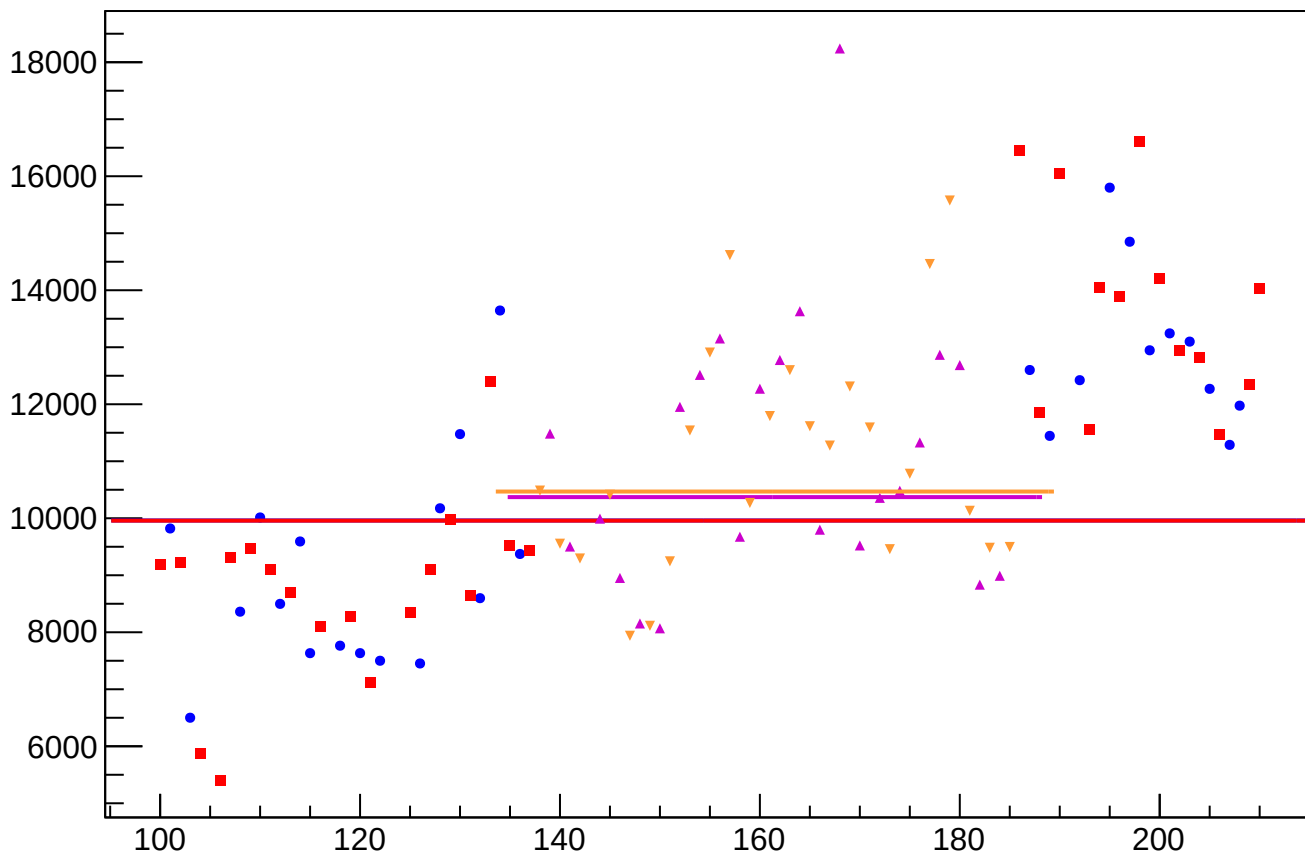
Left In: 182.360 $\pm$ 2471.221 χ^2 /NDF:13.8/22

+ sign -530.237 $\pm$ 1790.776 χ^2 /NDF: 58.5/50

All: 585.213 $\pm$ 1250.959 χ^2 /NDF: 105.4/104

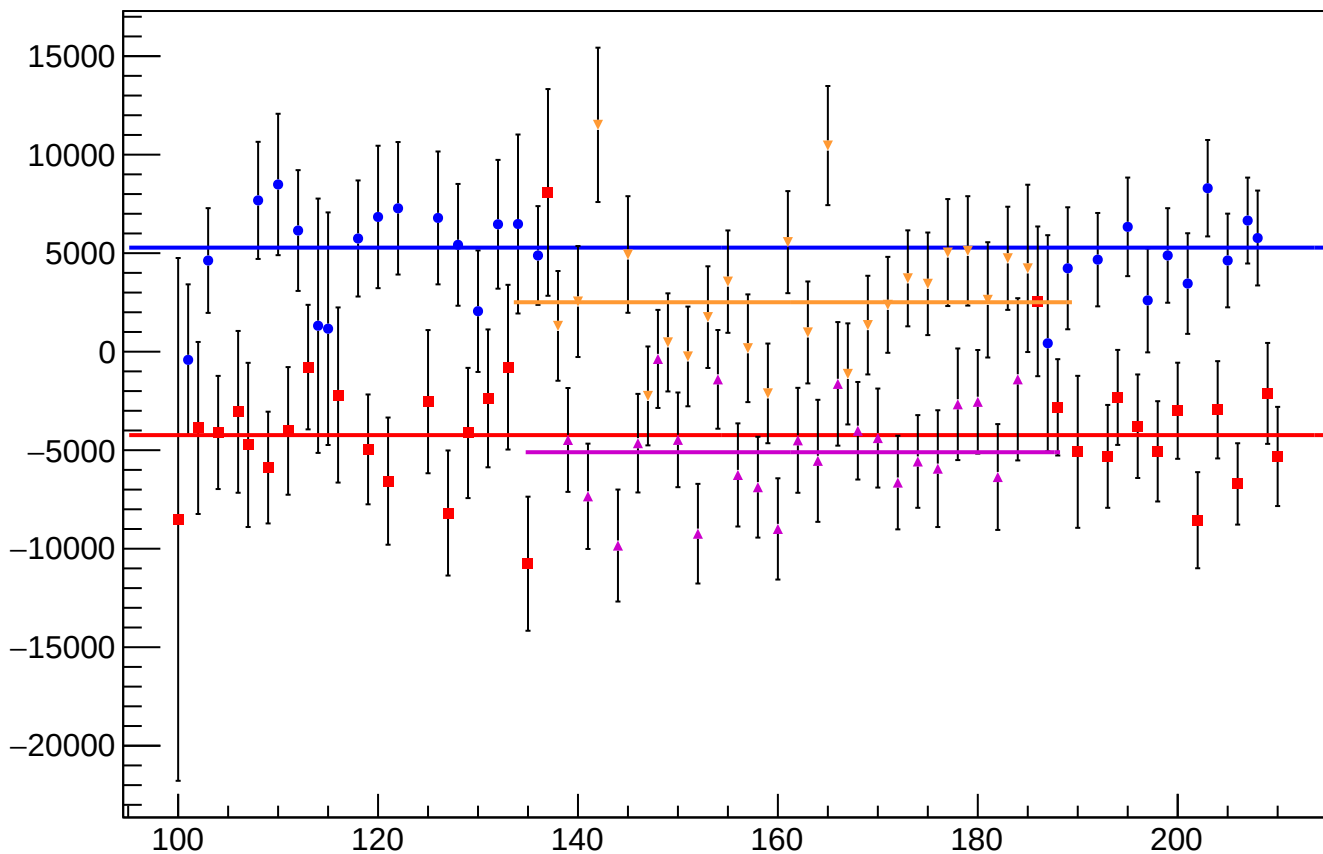
- sign 1648.299 $\pm$ 1748.236 χ^2 /NDF: 46.2/53

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 9961.065+/-1.829	χ^2/NDF : 1813285.9/26	+ sign 10225.425+/-1.266	χ^2/NDF : 2898649.3/50
Left Out: 10468.676+/-1.755	χ^2/NDF : 1045258.5/23	All: 10194.387+/-0.885	χ^2/NDF : 6760859.2/1
Right Out: 9958.338+/-1.749	χ^2/NDF : 2629429.4/30	- sign 10164.805+/-1.236	χ^2/NDF : 3861036.4/53
Left In: 10370.886+/-1.747	χ^2/NDF : 1203763.9/22		

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5281.141 $\pm$ 566.928 χ^2 /NDF: 11.5/26

Left Out: 2508.976 $\pm$ 551.601 χ^2 /NDF:29.8/23

Right Out: -4234.829 $\pm$ 543.409 χ^2 /NDF: 25.0/30

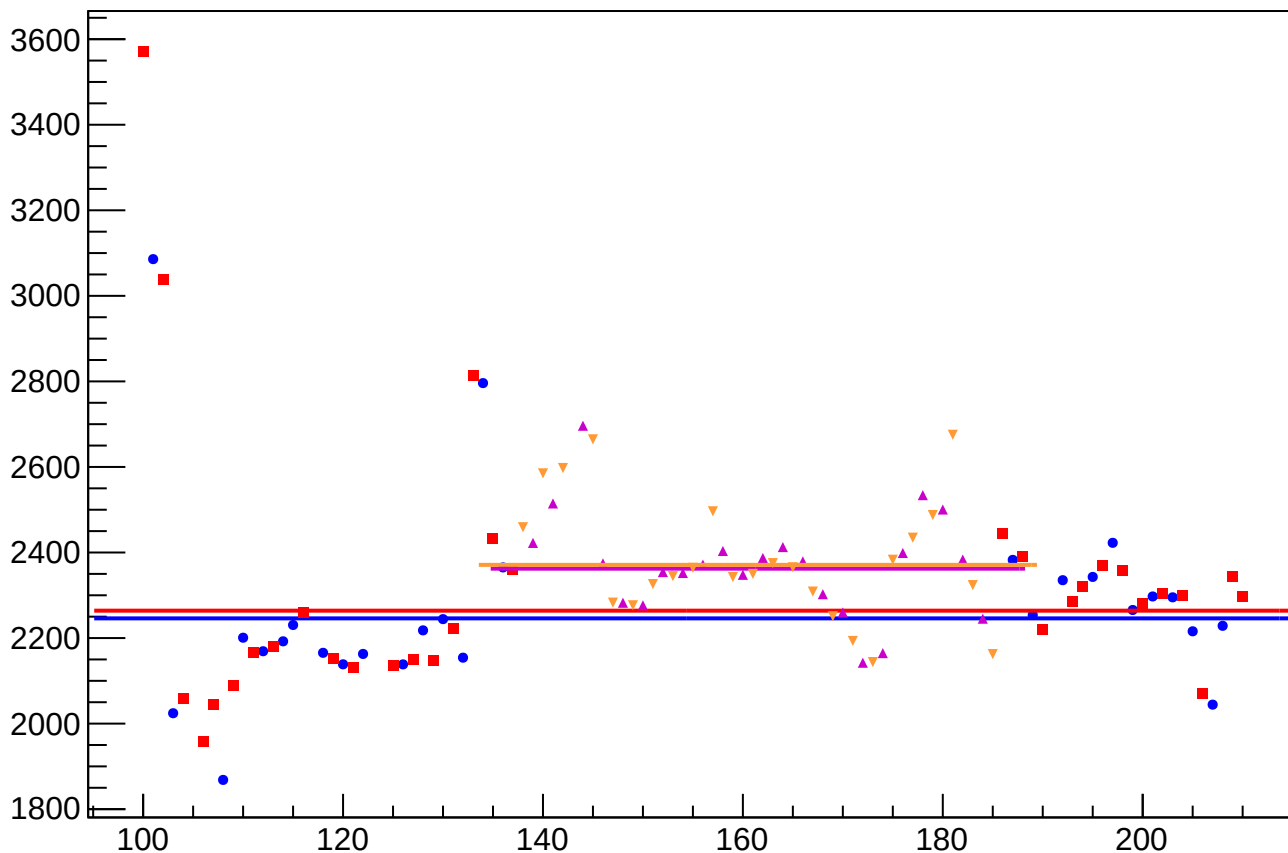
Left In: -5102.993 $\pm$ 552.583 χ^2 /NDF:19.9/22

+ sign 3857.079 $\pm$ 395.348 χ^2 /NDF: 53.6/50

All: -488.217 $\pm$ 276.719 χ^2 /NDF: 336.5/104

- sign -4661.645 $\pm$ 387.451 χ^2 /NDF: 46.1/53

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2246.014+/-0.401 χ^2/NDF : 221329.8/26

Left Out: 2371.137+/-0.390 χ^2/NDF : 116296.5/23

Right Out: 2264.037+/-0.384 χ^2/NDF : 213464.7/30

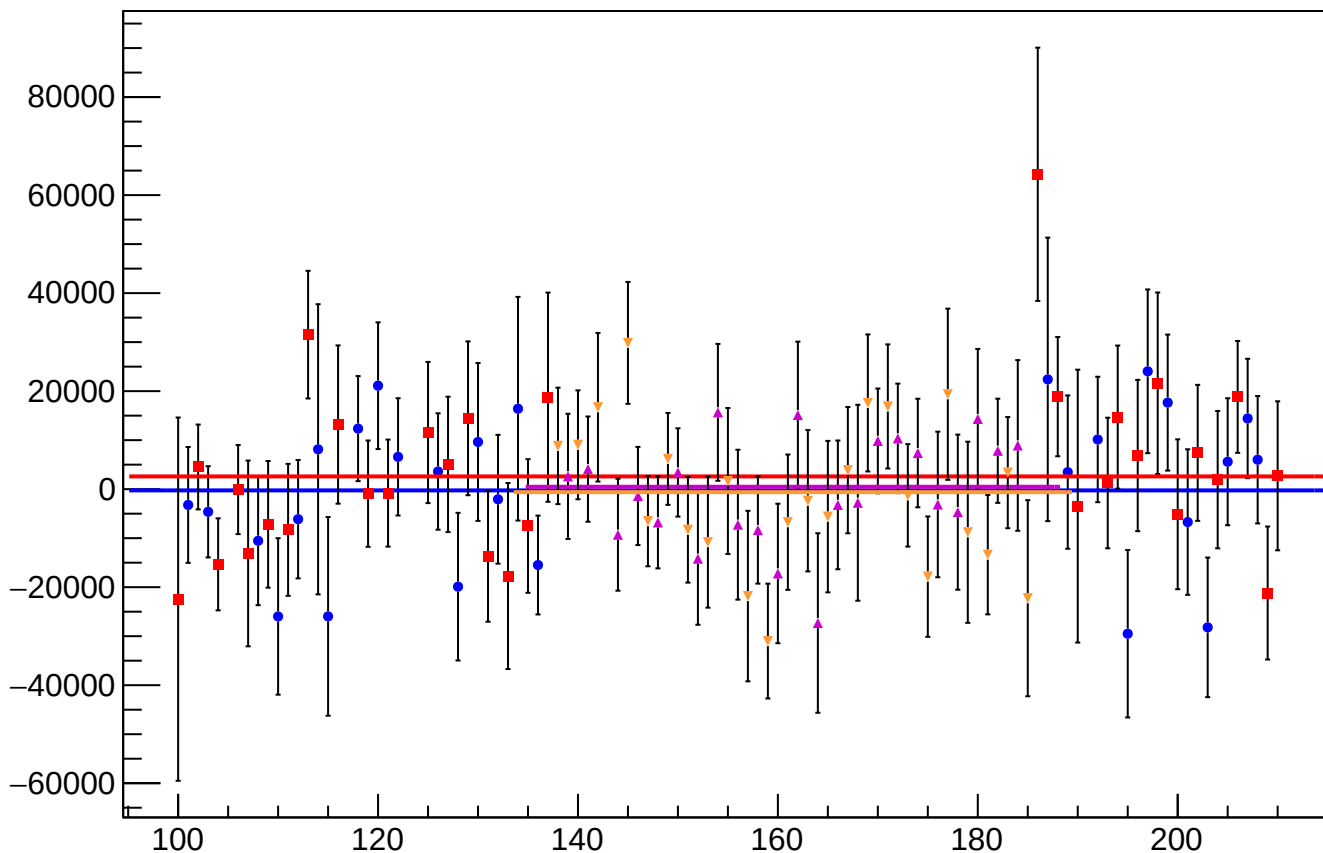
Left In: 2362.218+/-0.391 χ^2/NDF : 91896.7/22

+ sign 2310.289+/-0.280 χ^2/NDF : 387671.0/50

All: 2311.311+/-0.196 χ^2/NDF : 725164.4/104

- sign 2312.293+/-0.274 χ^2/NDF : 337467.2/53

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug



Right In: -252.070 ± 2625.328 $\chi^2/\text{NDF}: 28.8/26$

Left Out: -608.283 ± 2589.919 $\chi^2/\text{NDF}: 28.9/23$

Right Out: 2600.397 ± 2443.197 $\chi^2/\text{NDF}: 31.3/30$

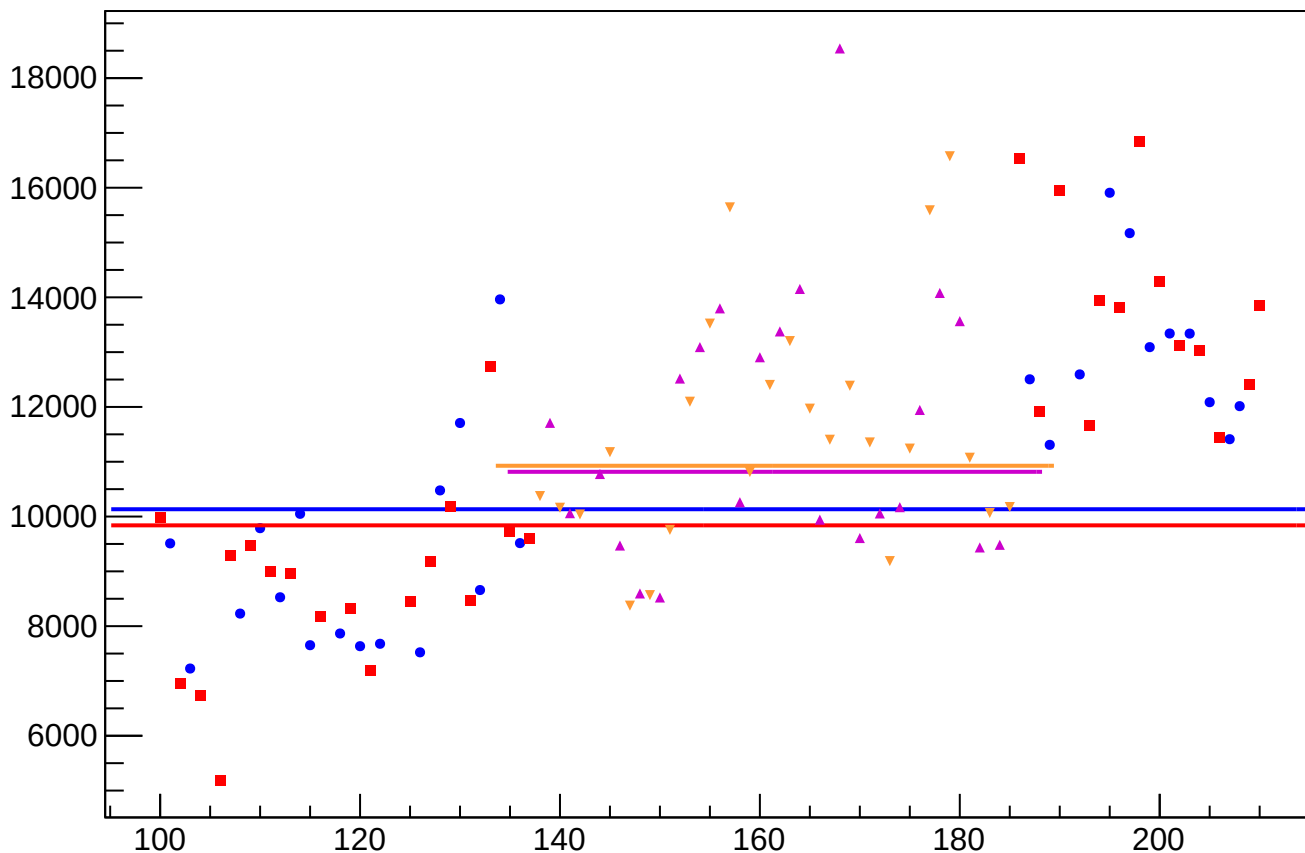
Left In: 490.044 ± 2577.213 $\chi^2/\text{NDF}: 13.5/22$

+ sign -432.595 ± 1843.741 $\chi^2/\text{NDF}: 57.7/50$

All: 624.181 ± 1278.010 $\chi^2/\text{NDF}: 103.6/104$

- sign 1601.515 ± 1773.087 $\chi^2/\text{NDF}: 45.2/53$

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 10133.447 $\pm$ 1.856

χ^2/NDF : 1667058.8/26

Left Out: 10926.860 $\pm$ 1.831

χ^2/NDF : 1057331.1/23

Right Out: 9839.306 $\pm$ 1.728

χ^2/NDF : 2793447.4/30

Left In: 10816.320 $\pm$ 1.822

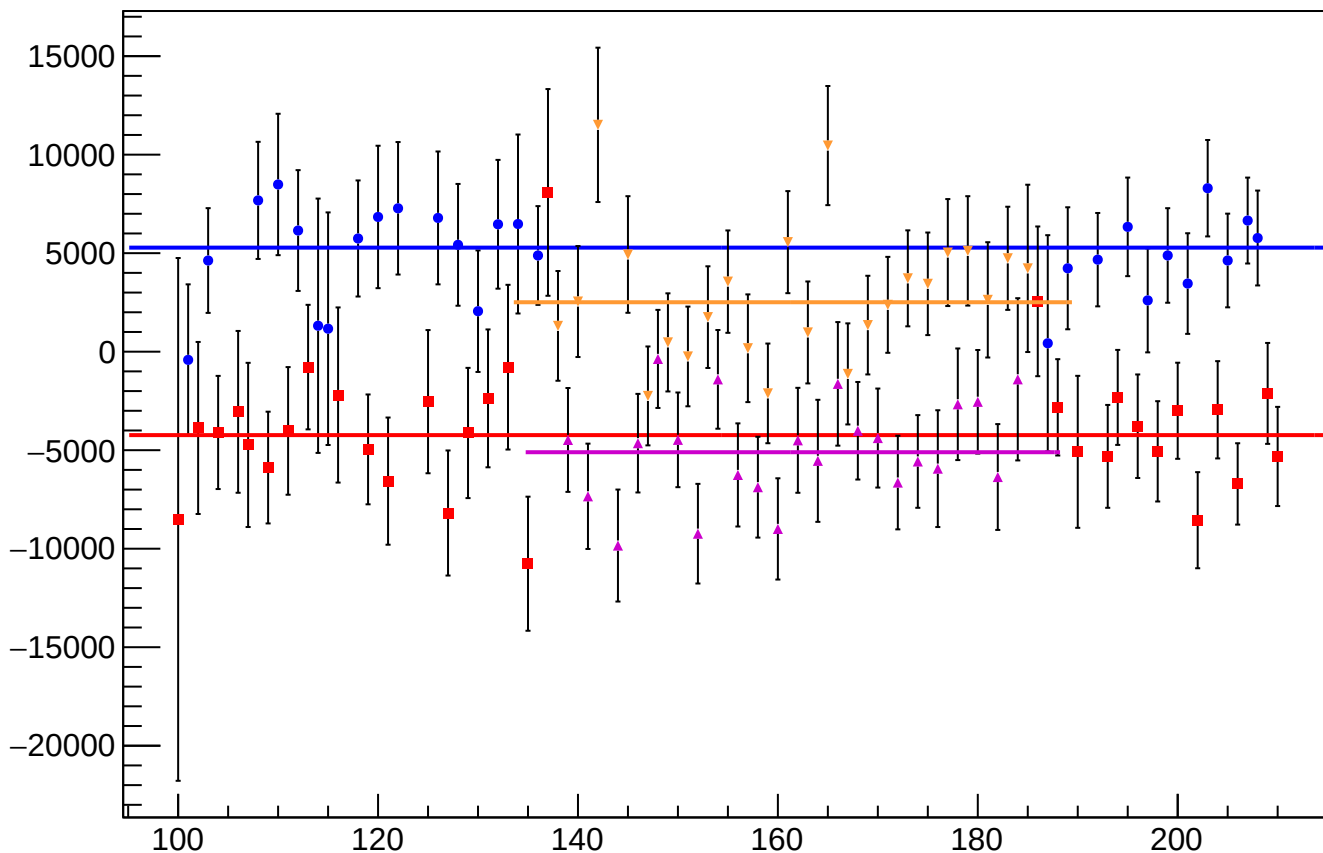
χ^2/NDF : 1196820.9/22

+ sign 10535.540 $\pm$ 1.304 χ^2/NDF : 2816964.0/50

All: 10414.080 $\pm$ 0.904 χ^2/NDF : 6975320.6/53

- sign 10301.751 $\pm$ 1.254 χ^2/NDF : 4141650.1/53

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5281.138 $\pm$ 566.928 χ^2 /NDF: 11.5/26

Left Out: 2508.963 $\pm$ 551.602 χ^2 /NDF:29.8/23

Right Out: -4234.825 $\pm$ 543.409 χ^2 /NDF: 25.0/30

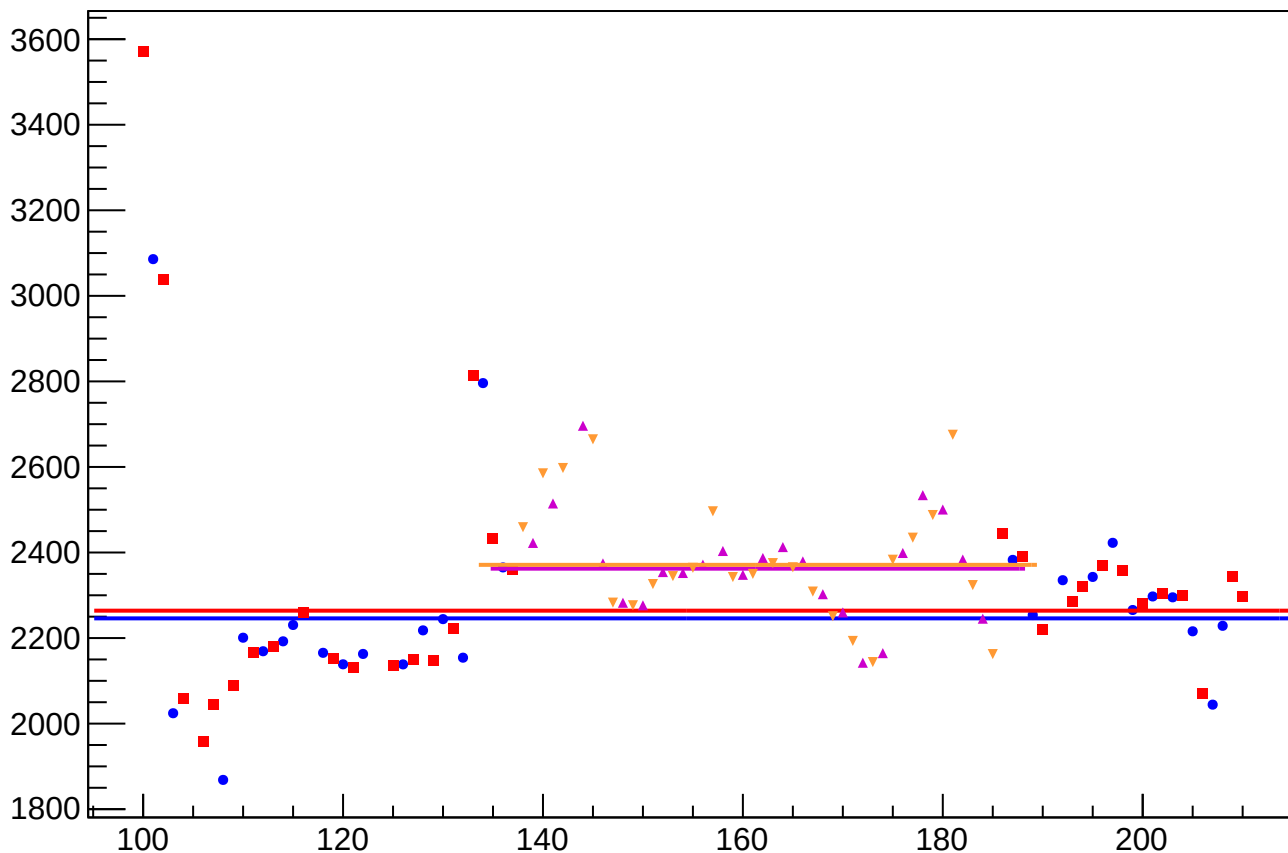
Left In: -5102.996 $\pm$ 552.584 χ^2 /NDF:19.9/22

+ sign 3857.073 $\pm$ 395.349 χ^2 /NDF: 53.6/50

All: -488.220 $\pm$ 276.719 χ^2 /NDF: 336.5/104

- sign -4661.643 $\pm$ 387.451 χ^2 /NDF: 46.1/53

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2246.013+/-0.401 χ^2 /NDF: 221329.9/26

Left Out: 2371.140+/-0.390 χ^2 /NDF: 116300.8/23

Right Out: 2264.037+/-0.384 χ^2 /NDF: 213465.2/30

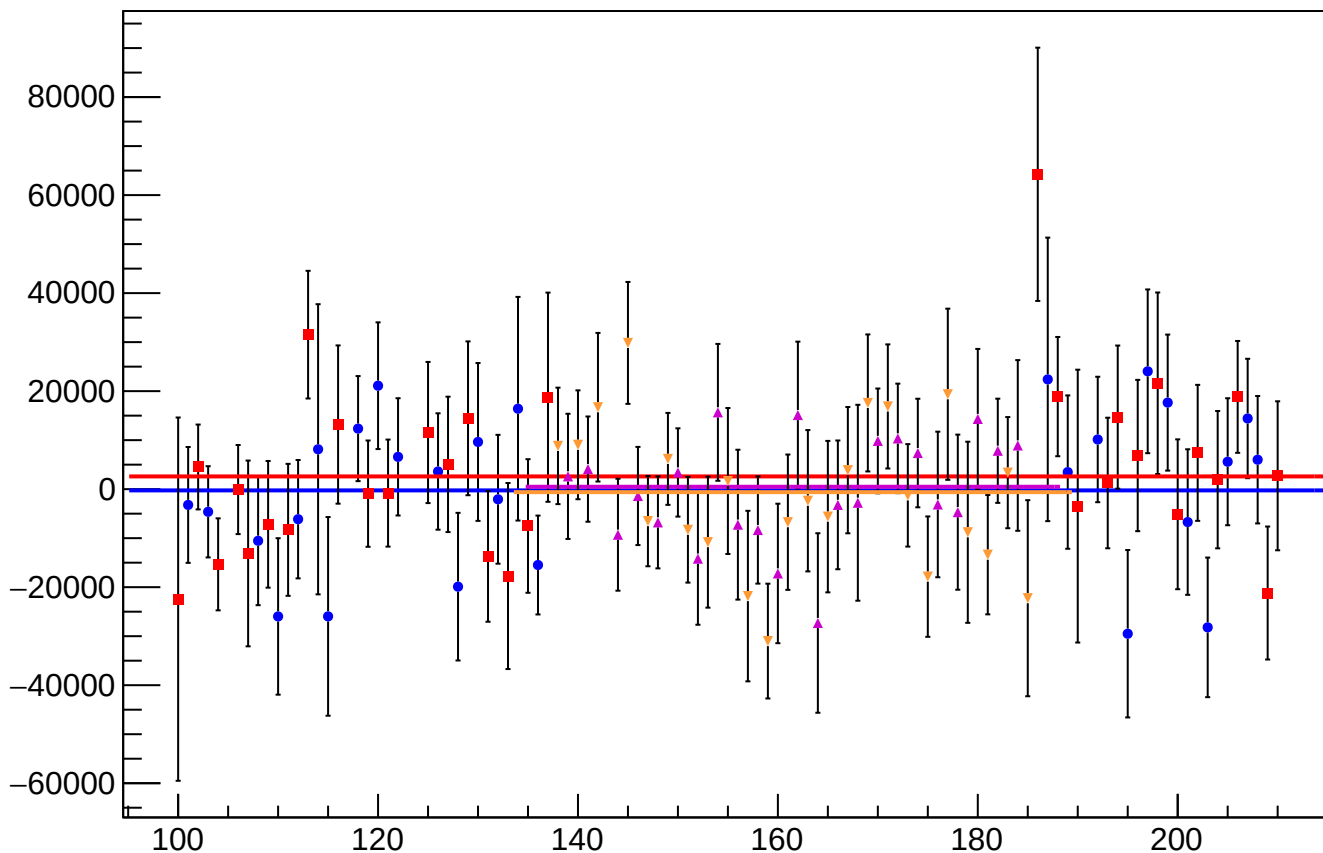
Left In: 2362.221+/-0.391 χ^2 /NDF: 91901.3/22

+ sign 2310.291+/-0.280 χ^2 /NDF: 387678.3/50

All: 2311.313+/-0.196 χ^2 /NDF: 725178.9/104

- sign 2312.294+/-0.274 χ^2 /NDF: 337474.5/53

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -252.063+/-2625.326 χ^2/NDF : 28.8/26

Left Out: -608.291+/-2589.924 χ^2/NDF : 28.9/23

Right Out: 2600.384+/-2443.195 χ^2/NDF : 31.3/30

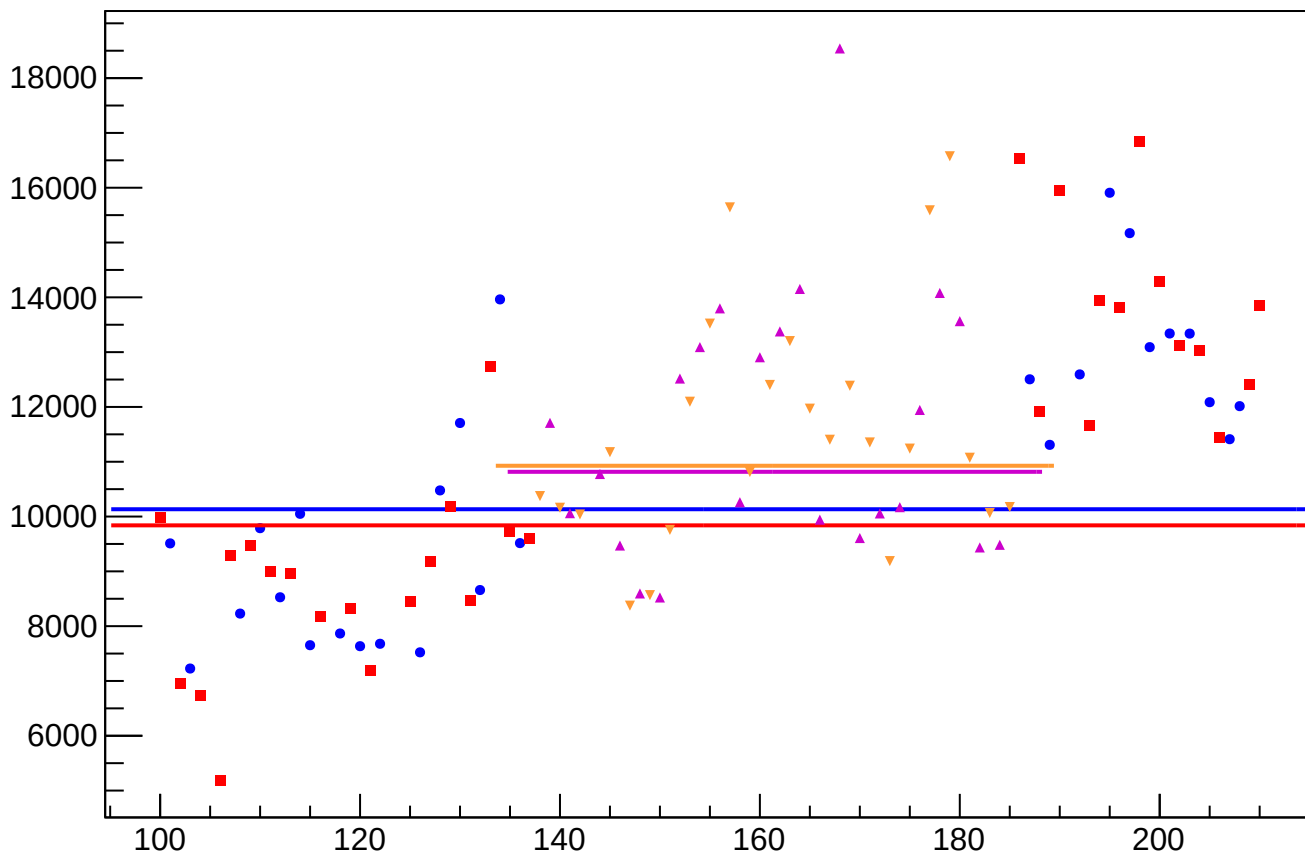
Left In: 490.047+/-2577.218 χ^2/NDF : 13.5/22

+ sign -432.595+/-1843.742 χ^2/NDF : 57.7/50

All: 624.179+/-1278.010 χ^2/NDF : 103.6/104

- sign 1601.512+/-1773.087 χ^2/NDF : 45.2/53

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 10133.434+/-1.856

χ^2/NDF : 1667084.9/26

Left Out: 10926.878+/-1.831

χ^2/NDF : 1057333.6/23

Right Out: 9839.293+/-1.728

χ^2/NDF : 2793472.7/30

Left In: 10816.337+/-1.822

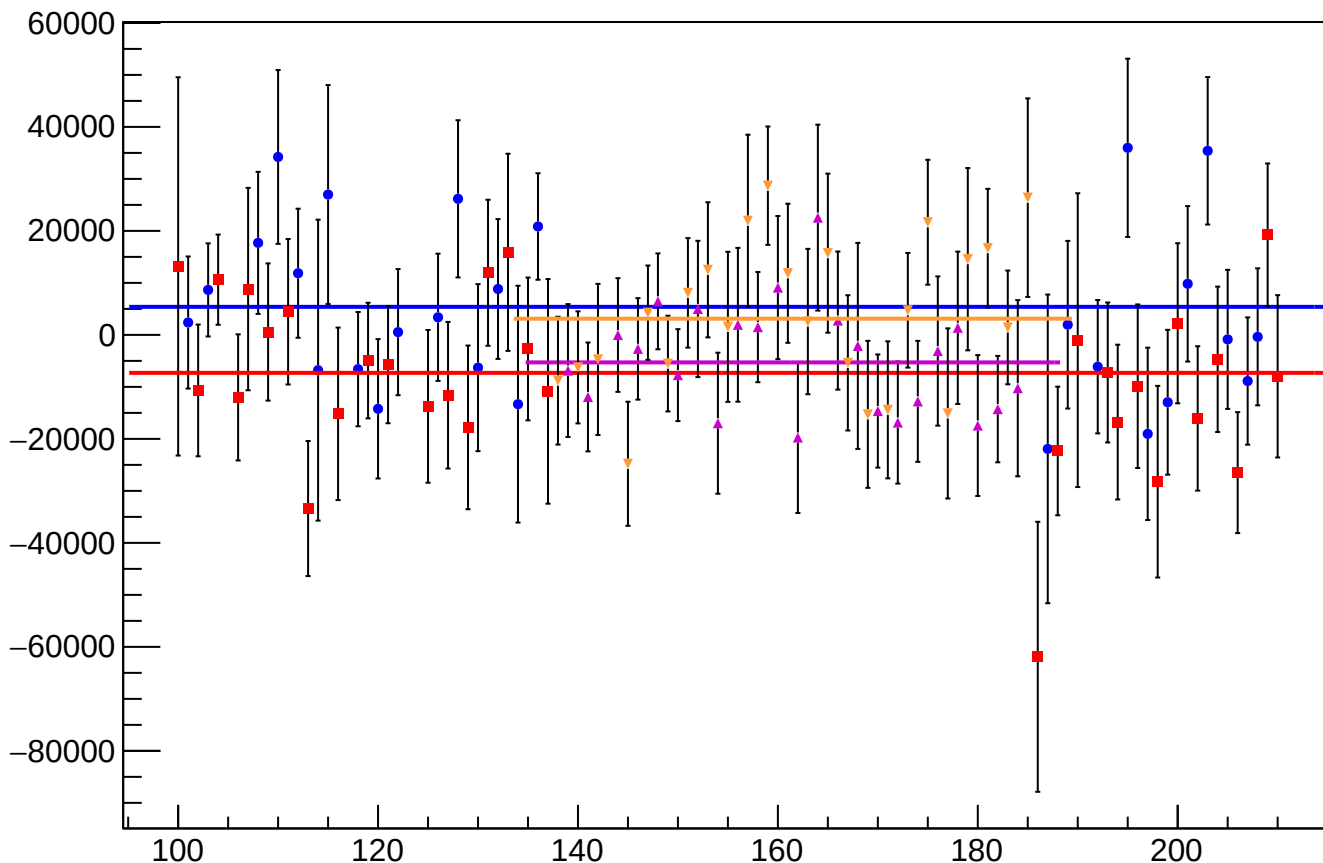
χ^2/NDF : 1196824.5/22

+ sign 10535.542+/-1.304 χ^2/NDF : 2816999.7/50

All: 10414.081+/-0.904 χ^2/NDF : 6975394.5/100

- sign 10301.751+/-1.254 χ^2/NDF : 4141688.1/53

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5393.761+/-2664.415 χ^2/NDF : 29.6/26

Left Out: 3119.161+/-2542.855 χ^2/NDF : 27.4/23

Right Out: -7300.194+/-2558.922 χ^2/NDF : 30.1/30

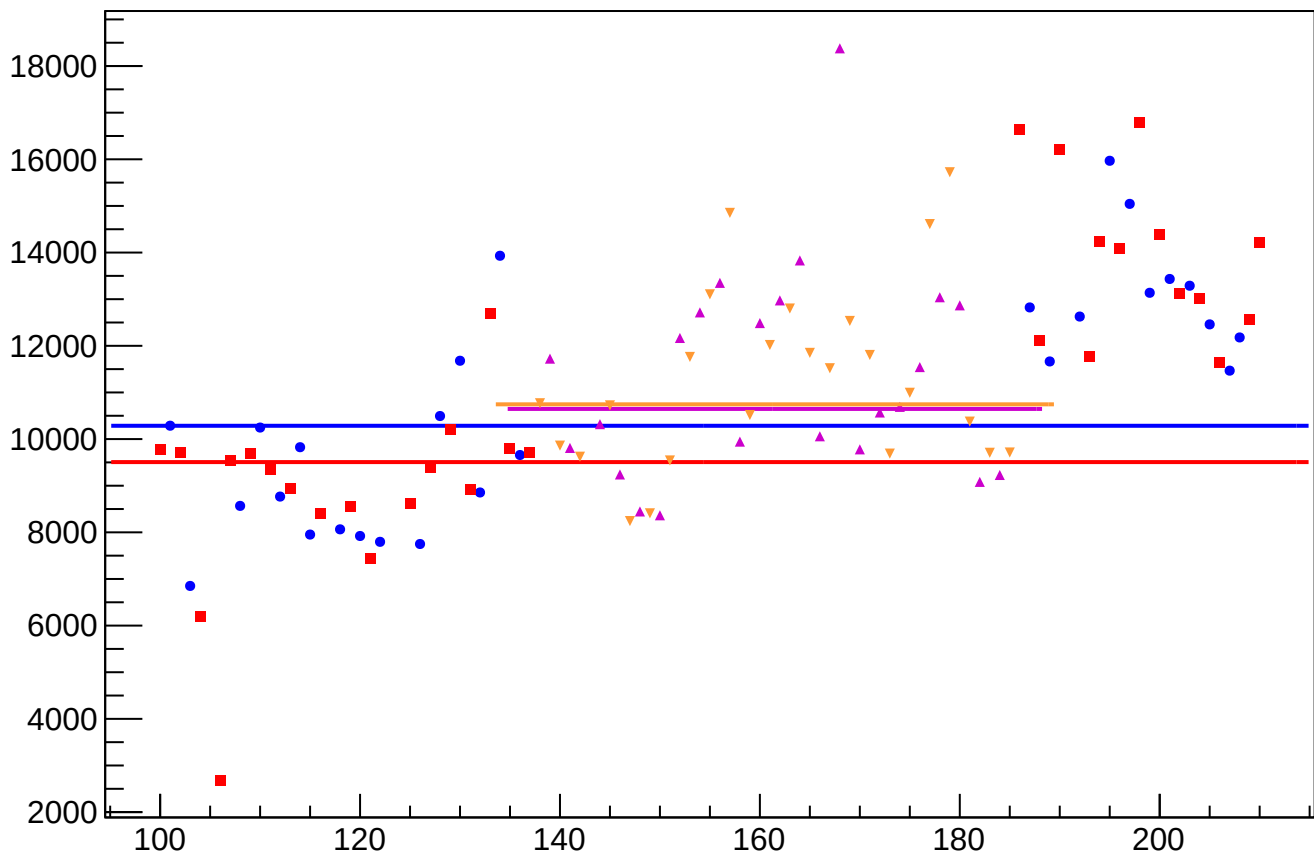
Left In: -5290.718+/-2532.995 χ^2/NDF : 13.3/22

+ sign 4203.391+/-1839.544 χ^2/NDF : 57.4/50

All: -1154.295+/-1286.616 χ^2/NDF : 117.7/10

- sign -6285.225+/-1800.194 χ^2/NDF : 43.7/53

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10285.218+/-1.884 χ^2/NDF : 1647418.0/26

Left Out: 10745.331+/-1.798 χ^2/NDF : 964618.1/23

Right Out: 9506.523+/-1.725 χ^2/NDF : 4424510.4/30

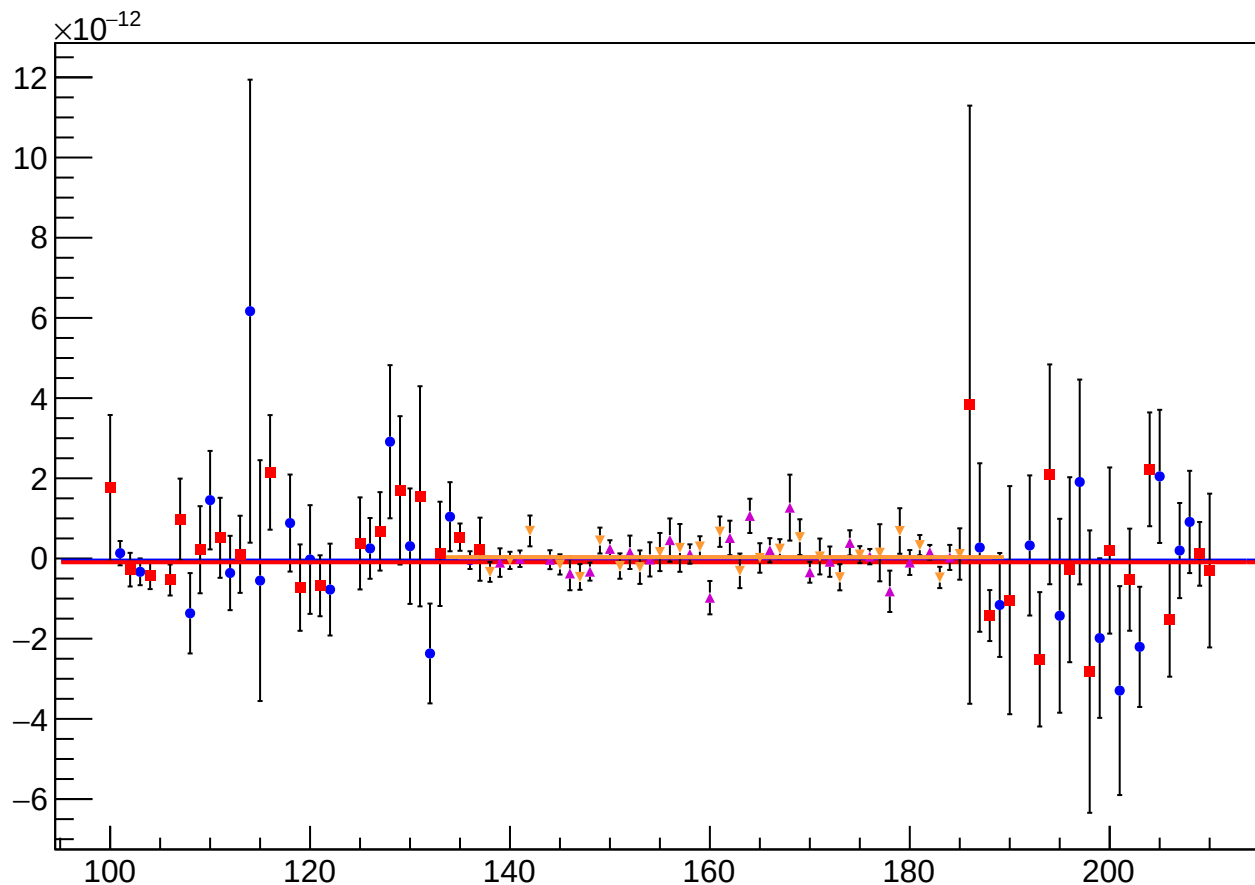
Left In: 10646.477+/-1.791 χ^2/NDF : 1114064.0/22

+ sign 10526.008+/-1.301 χ^2/NDF : 2643249.1/50

All: 10279.807+/-0.898 χ^2/NDF : 8460466.0/100

- sign 10055.146+/-1.243 χ^2/NDF : 5748700.1/53

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 22.8/26$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 26.3/23$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 26.0/30$

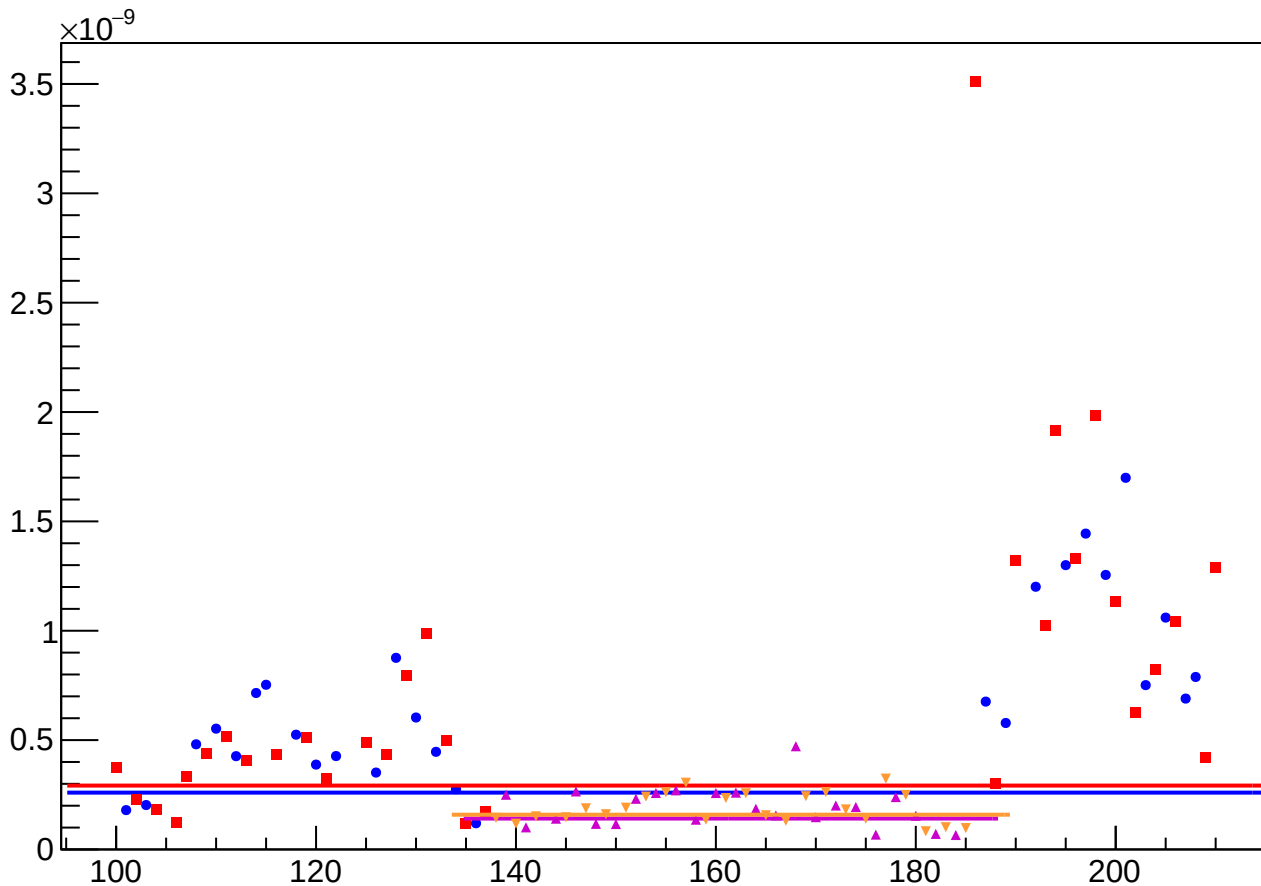
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 27.9/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 49.4/50$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 103.8/104$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 54.5/53$

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 5871353.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :1297018.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6351454.9/30

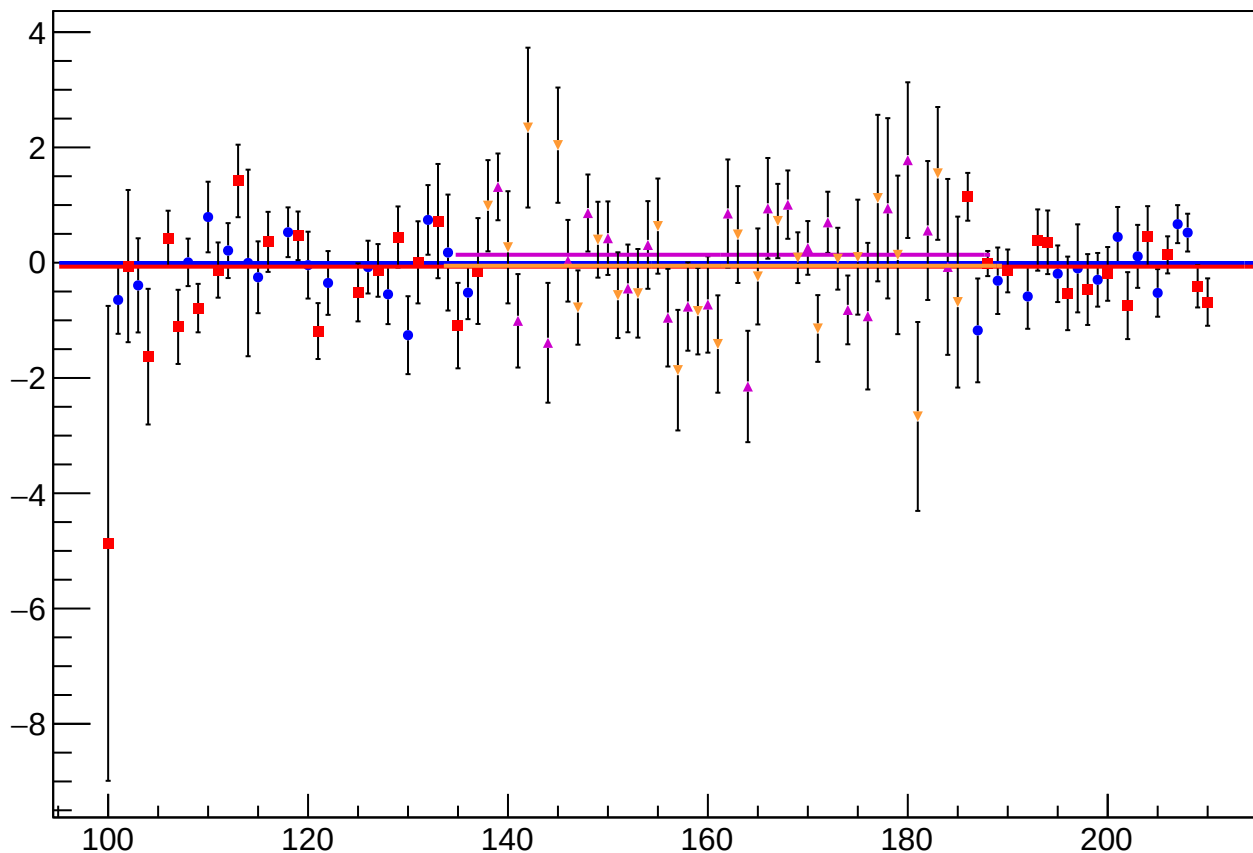
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :2396288.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 8059338.1/50

All: 0.000 $\pm$ 0.000 χ^2/NDF : 18715519.7/104

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 10597902.5/53

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.005 ± 0.100 χ^2/NDF : 25.5/26

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.069 ± 0.087 χ^2/NDF : 44.1/30

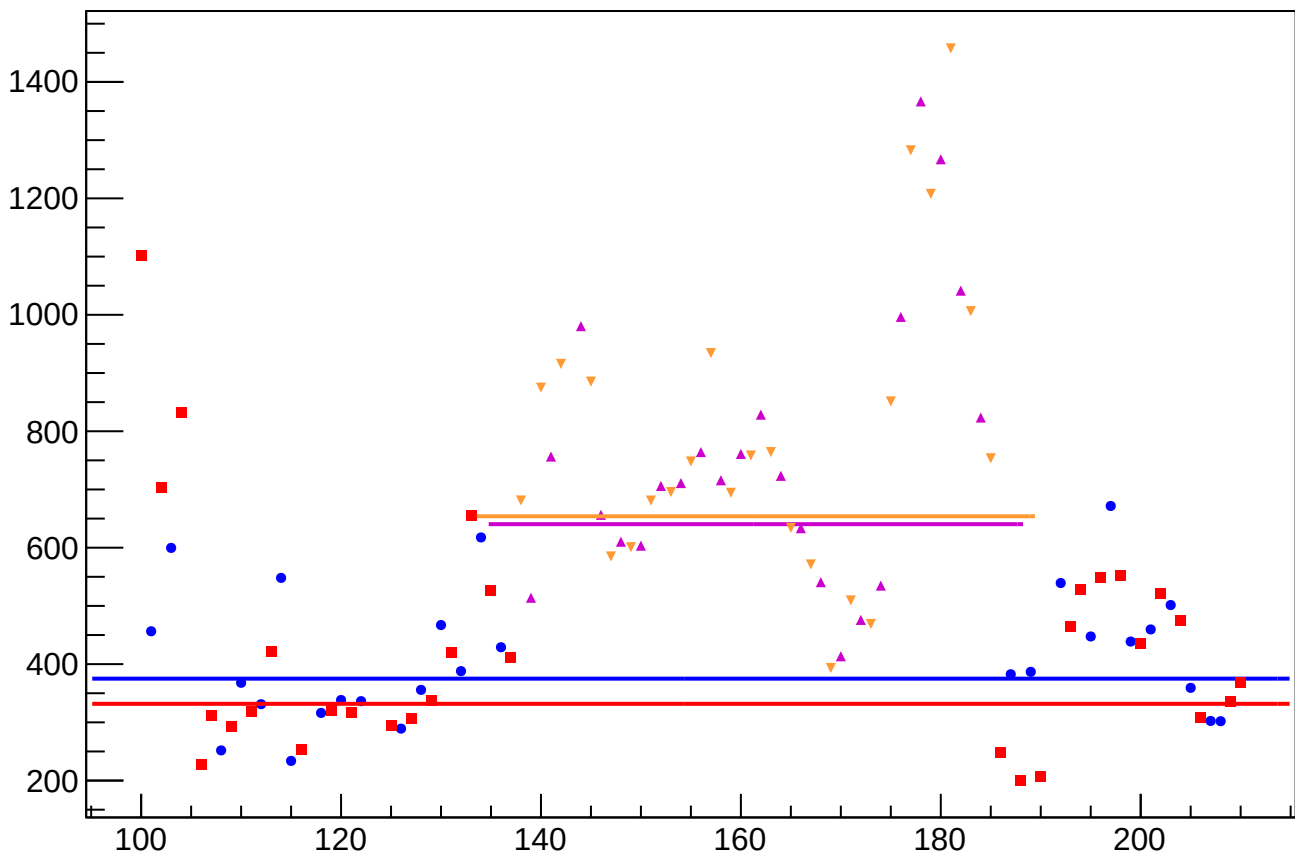
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.019 ± 0.085 χ^2/NDF : 55.7/50

All: -0.020 ± 0.057 χ^2/NDF : 131.1/104

- sign -0.021 ± 0.076 χ^2/NDF : 75.4/53

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 375.069+/-0.071 χ^2/NDF : 1735969.2/26

Left Out: 653.930+/-0.114 χ^2/NDF : 3124472.6/23

Right Out: 331.853+/-0.061 χ^2/NDF : 3606907.4/30

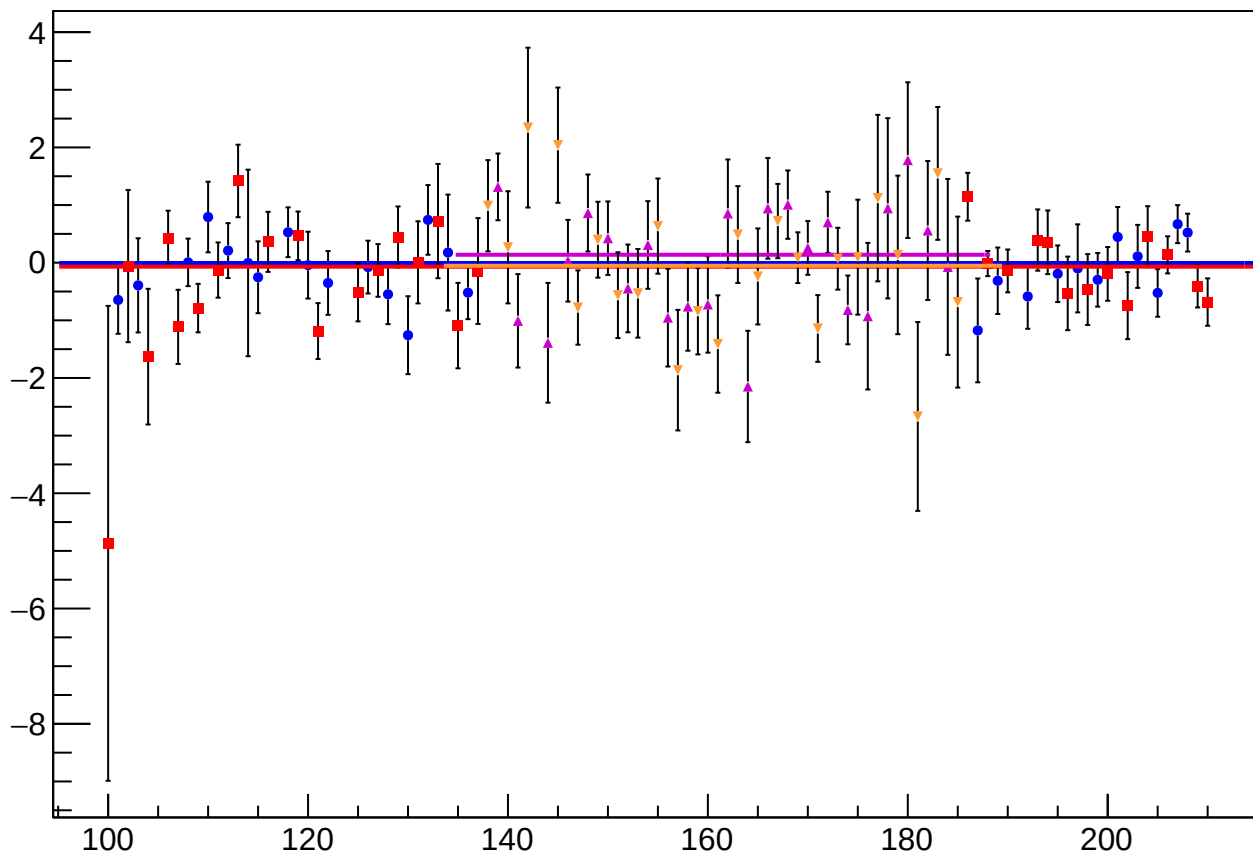
Left In: 640.392+/-0.112 χ^2/NDF : 2647967.4/22

+ sign 452.258+/-0.060 χ^2/NDF : 9182096.3/50

All: 425.183+/-0.040 χ^2/NDF : 21670759.5/10

- sign 403.450+/-0.054 χ^2/NDF : 12121798.8/53

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005 ± 0.100 χ^2/NDF : 25.5/26

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.069 ± 0.087 χ^2/NDF : 44.1/30

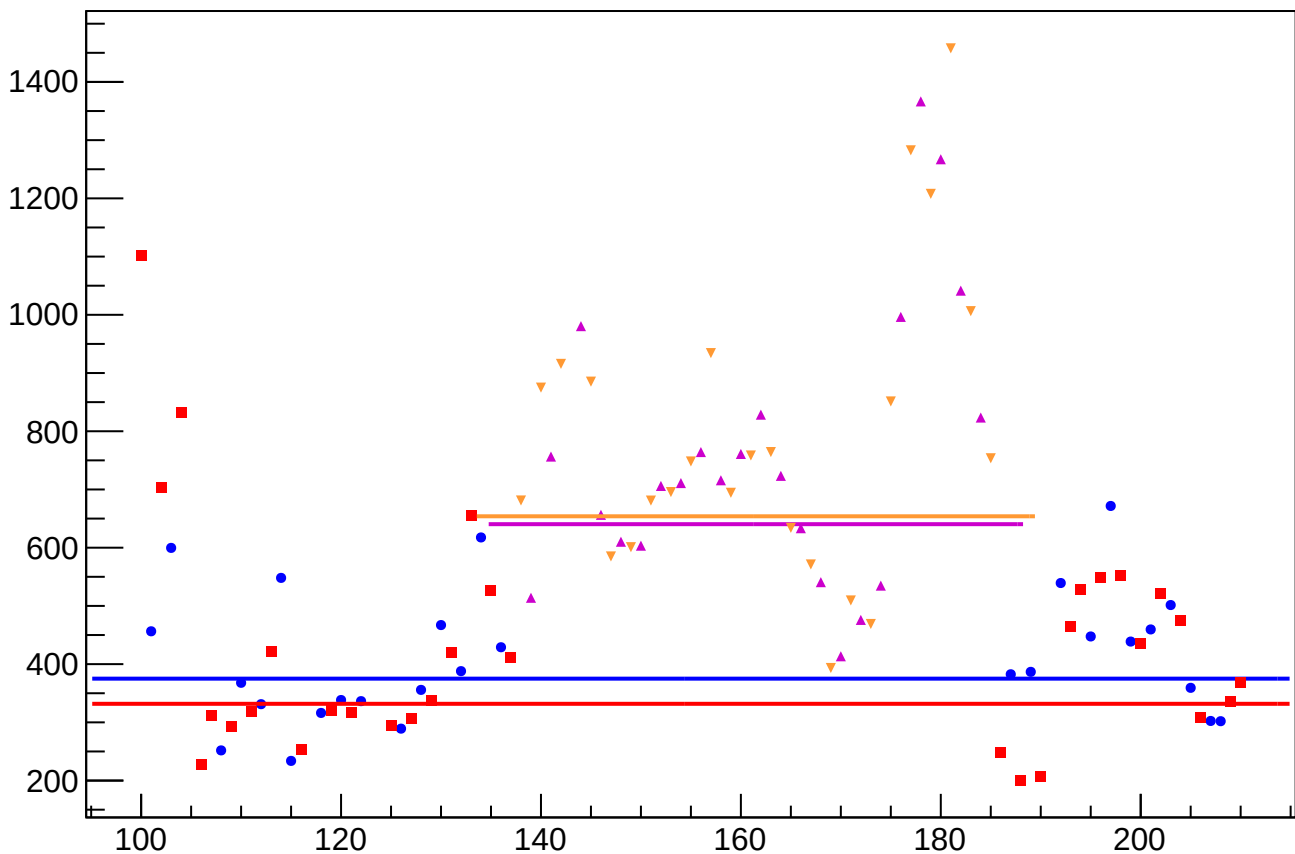
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.019 ± 0.085 χ^2/NDF : 55.7/50

All: -0.020 ± 0.057 χ^2/NDF : 131.1/104

- sign -0.021 ± 0.076 χ^2/NDF : 75.4/53

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 375.069 ± 0.071 χ^2/NDF : 1735969.2/26

Left Out: 653.930 ± 0.114 χ^2/NDF : 3124472.6/23

Right Out: 331.853 ± 0.061 χ^2/NDF : 3606907.4/30

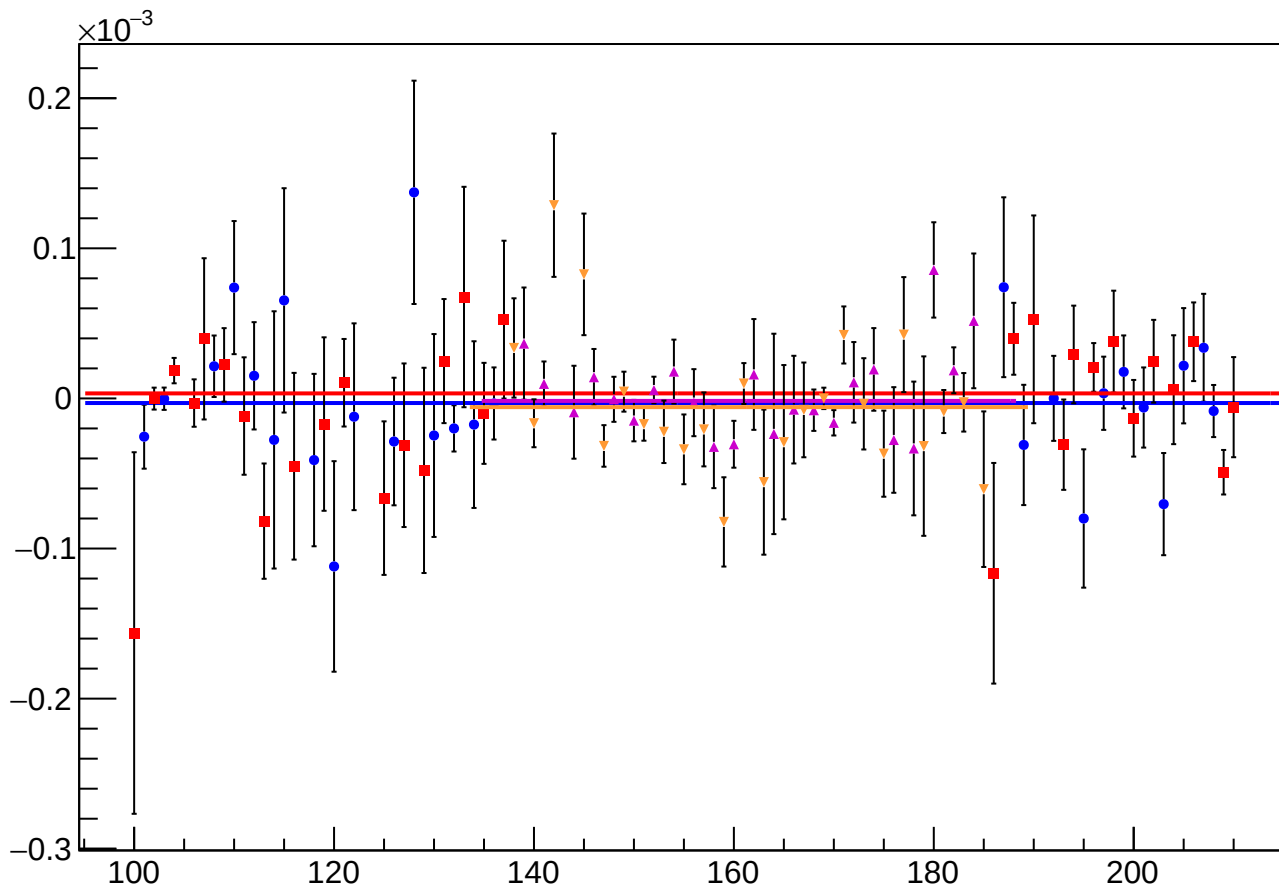
Left In: 640.392 ± 0.112 χ^2/NDF : 2647967.4/22

+ sign 452.258 ± 0.060 χ^2/NDF : 9182096.3/50

All: 425.183 ± 0.040 χ^2/NDF : 21670759.5/10

- sign 403.450 ± 0.054 χ^2/NDF : 12121798.8/53

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.3/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.1/30

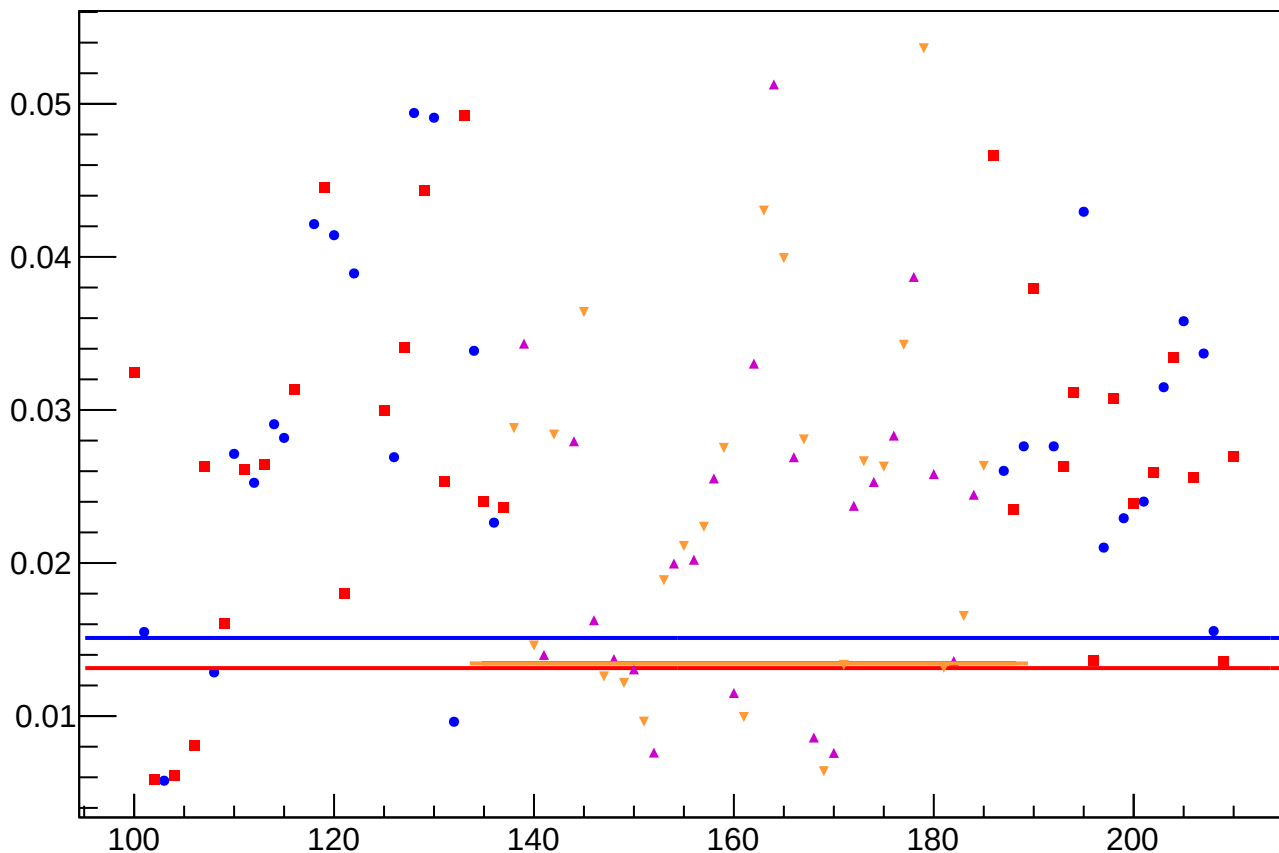
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 69.1/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 139.5/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 68.6/53

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 9891479.0/26

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 8856192.5/23

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 11708419.3/30

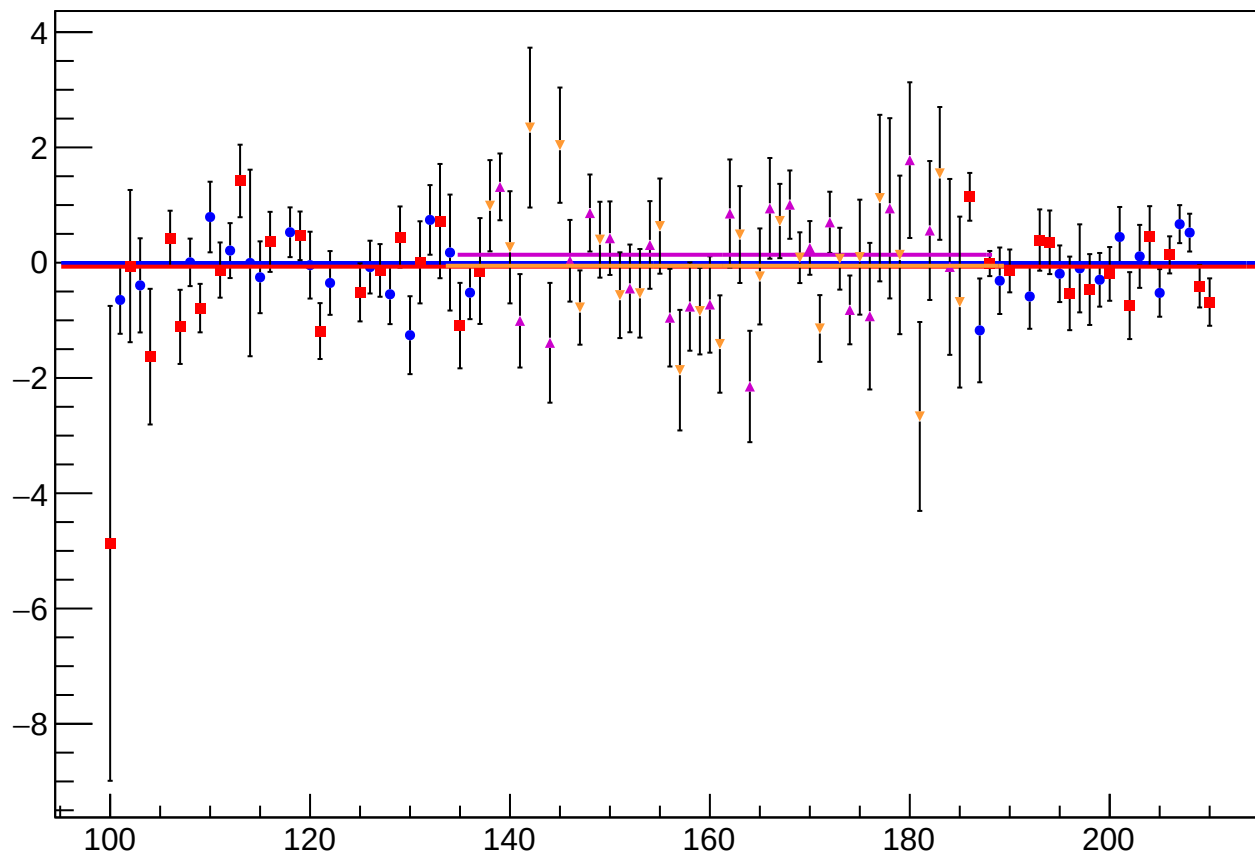
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 7548263.6/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 18902043.9/50

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 38241854.0/104

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 19263660.3/53

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005 ± 0.100 χ^2/NDF : 25.5/26

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.069 ± 0.087 χ^2/NDF : 44.1/30

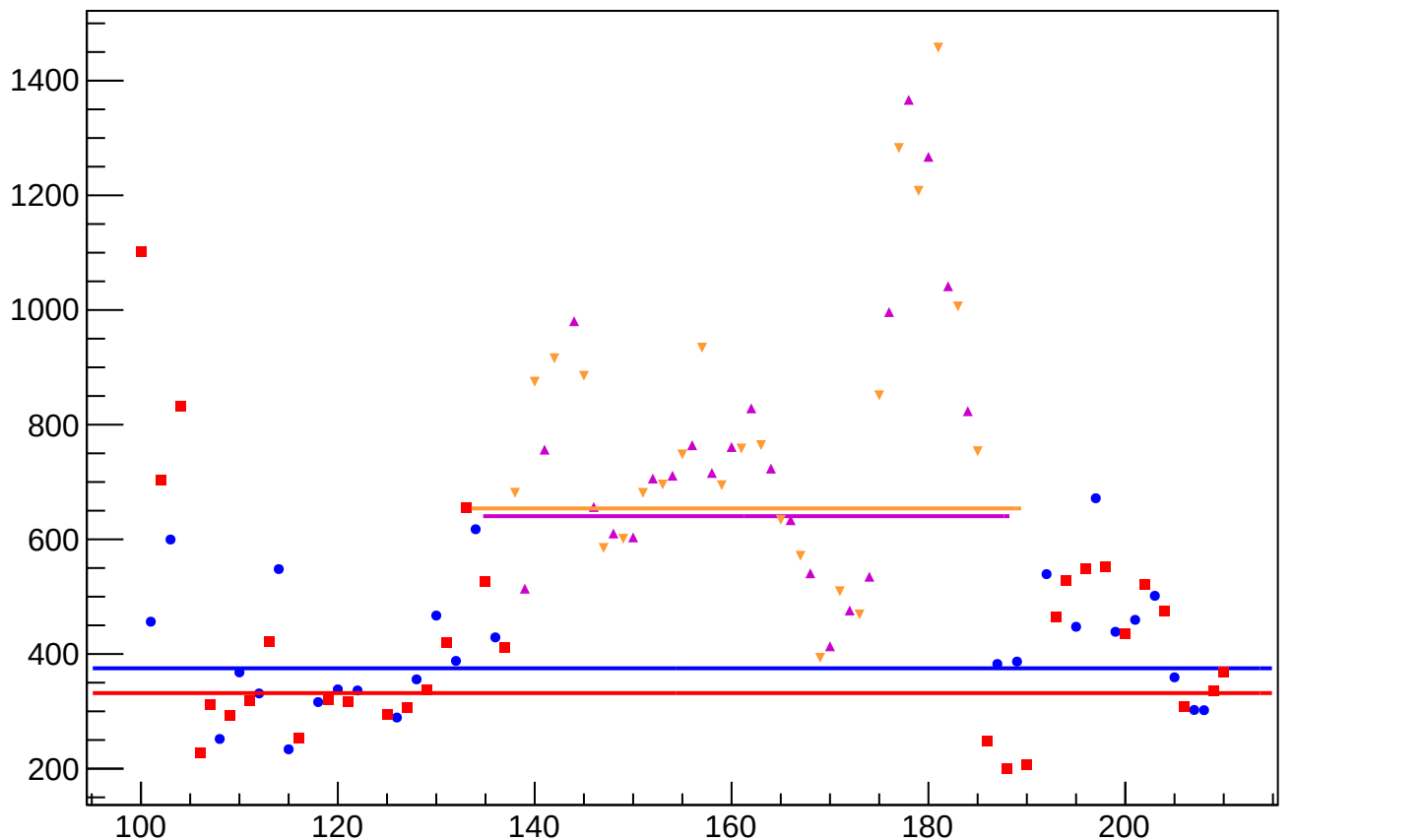
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.019 ± 0.085 χ^2/NDF : 55.7/50

All: -0.020 ± 0.057 χ^2/NDF : 131.1/104

- sign -0.021 ± 0.076 χ^2/NDF : 75.4/53

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 375.070 $\pm$ 0.071 χ^2 /NDF: 1735945.6/26

Left Out: 653.930 $\pm$ 0.114 χ^2 /NDF:3124692.9/23

Right Out: 331.848 $\pm$ 0.061 χ^2 /NDF: 3607118.8/30

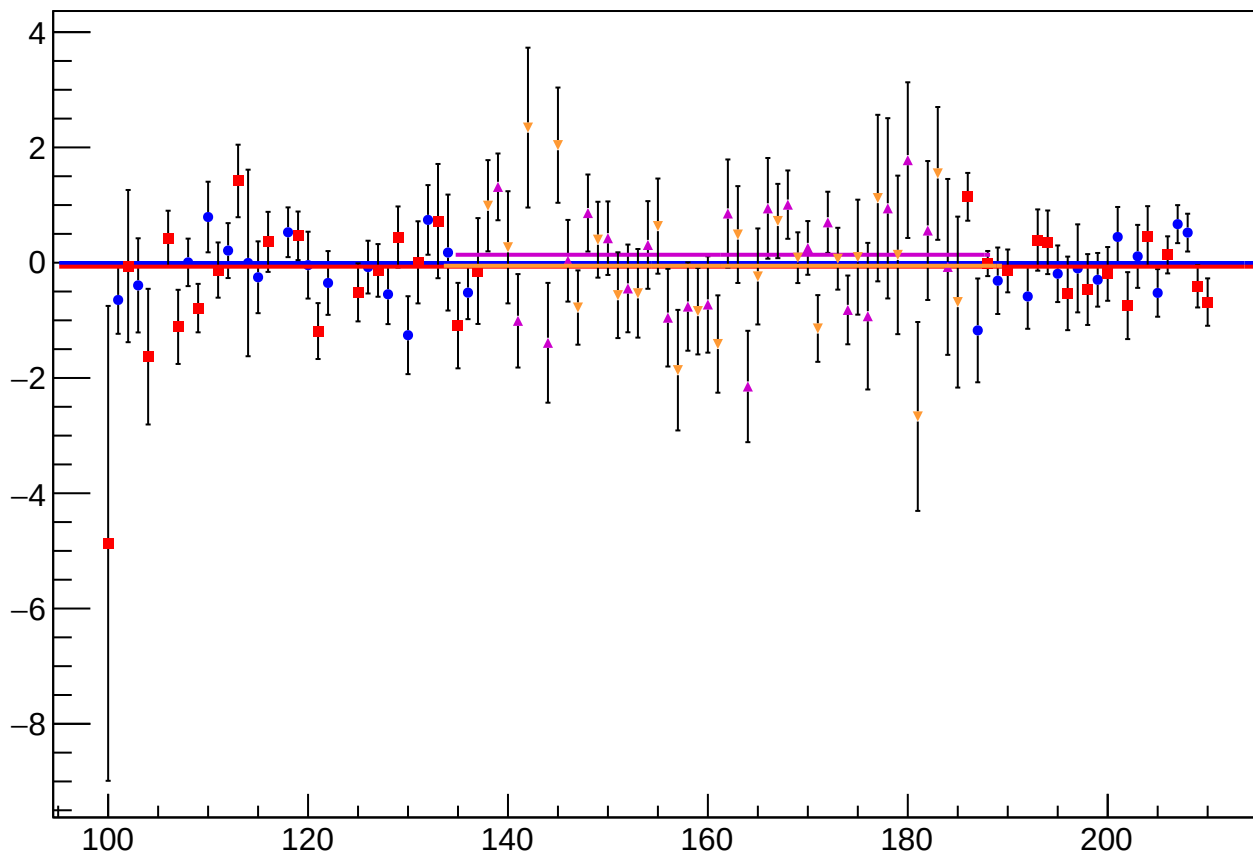
Left In: 640.395 $\pm$ 0.112 χ^2 /NDF:2648118.2/22

+ sign 452.258 $\pm$ 0.060 χ^2 /NDF: 9182272.1/50

All: 425.180 $\pm$ 0.040 χ^2 /NDF: 21671664.3/10

- sign 403.444 $\pm$ 0.054 χ^2 /NDF: 12122444.5/53

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005 ± 0.100 χ^2/NDF : 25.5/26

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.069 ± 0.087 χ^2/NDF : 44.1/30

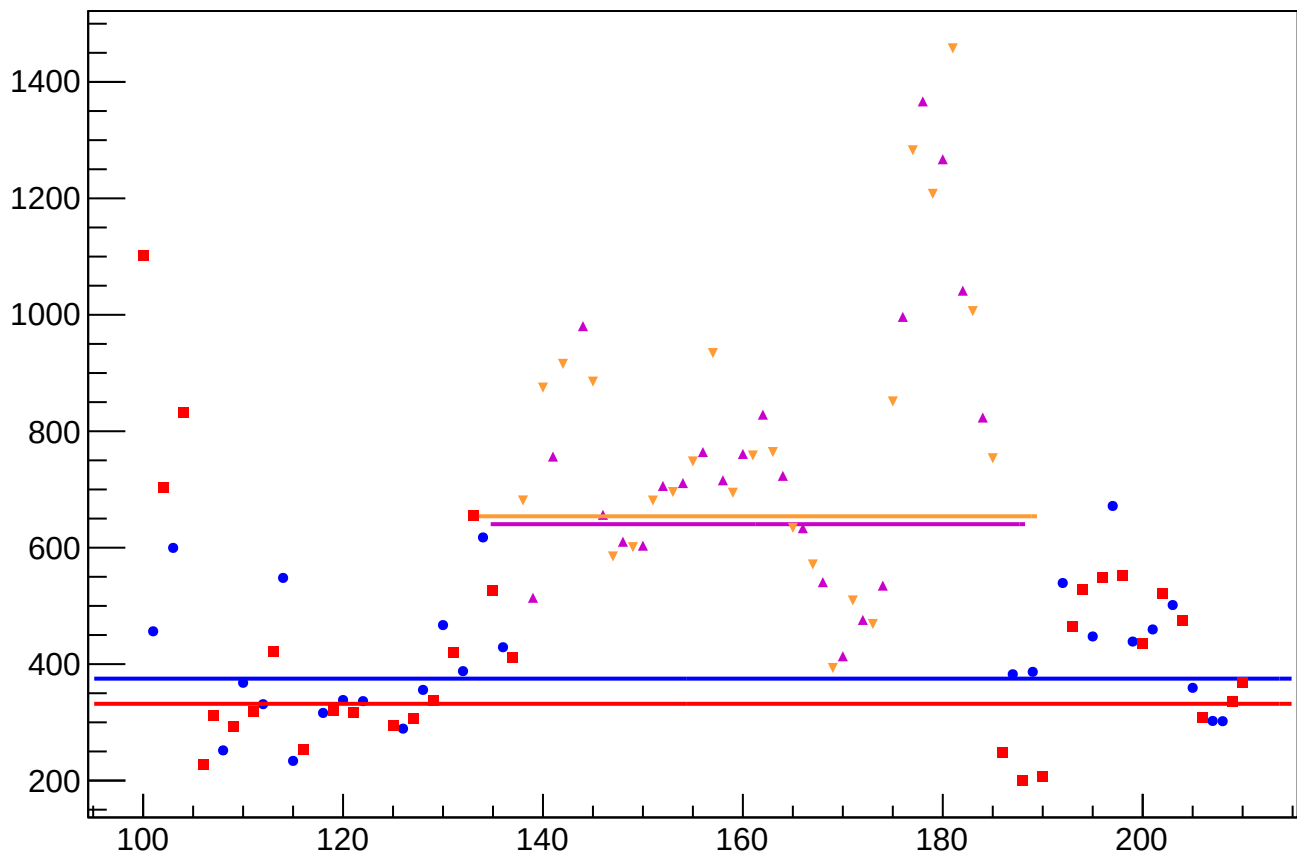
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.019 ± 0.085 χ^2/NDF : 55.7/50

All: -0.020 ± 0.057 χ^2/NDF : 131.1/104

- sign -0.021 ± 0.076 χ^2/NDF : 75.4/53

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 375.070 $\pm$ 0.071 χ^2/NDF : 1735945.6/26

Left Out: 653.930 $\pm$ 0.114 χ^2/NDF : 3124692.9/23

Right Out: 331.848 $\pm$ 0.061 χ^2/NDF : 3607118.8/30

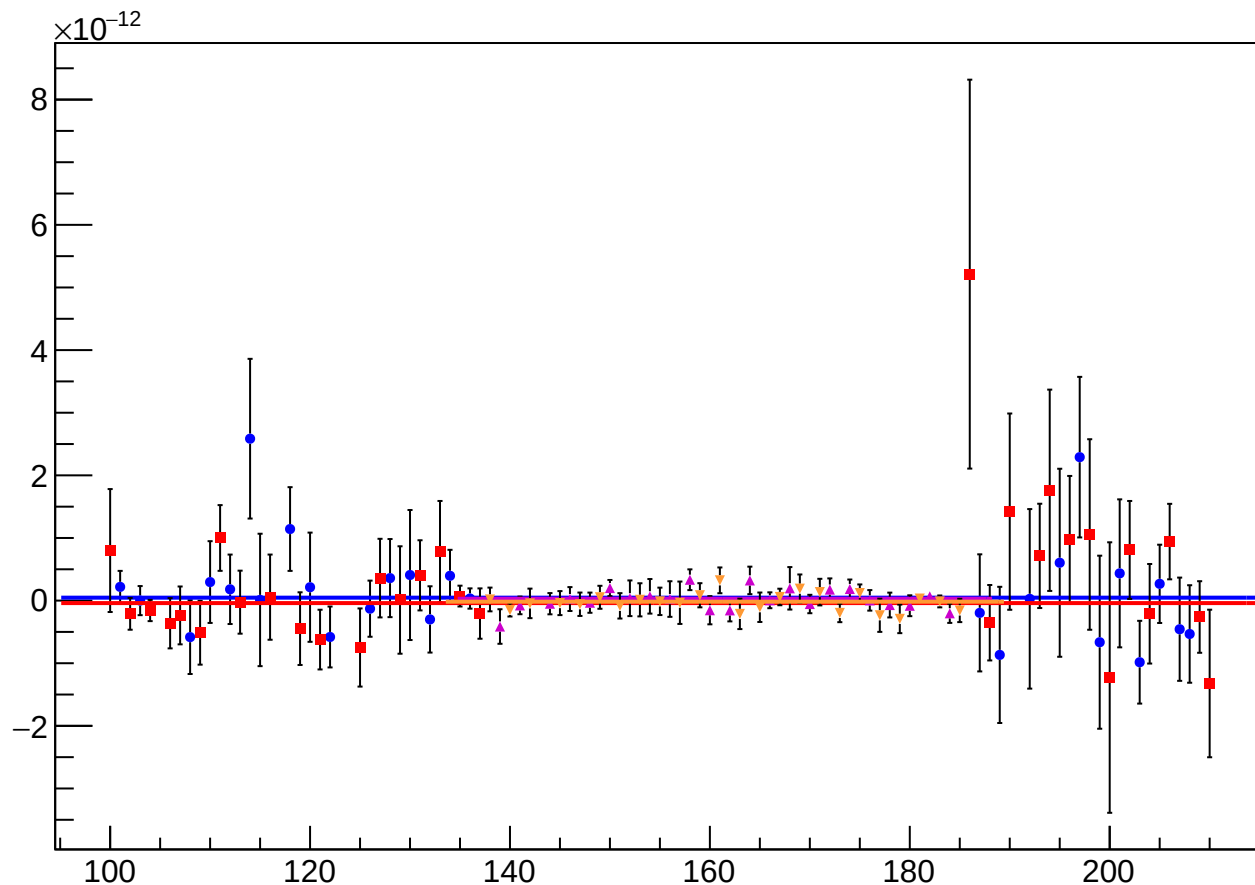
Left In: 640.395 $\pm$ 0.112 χ^2/NDF : 2648118.2/22

+ sign 452.258 $\pm$ 0.060 χ^2/NDF : 9182272.1/50

All: 425.180 $\pm$ 0.040 χ^2/NDF : 21671664.3/10

- sign 403.444 $\pm$ 0.054 χ^2/NDF : 12122444.5/53

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:13.1/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.4/30

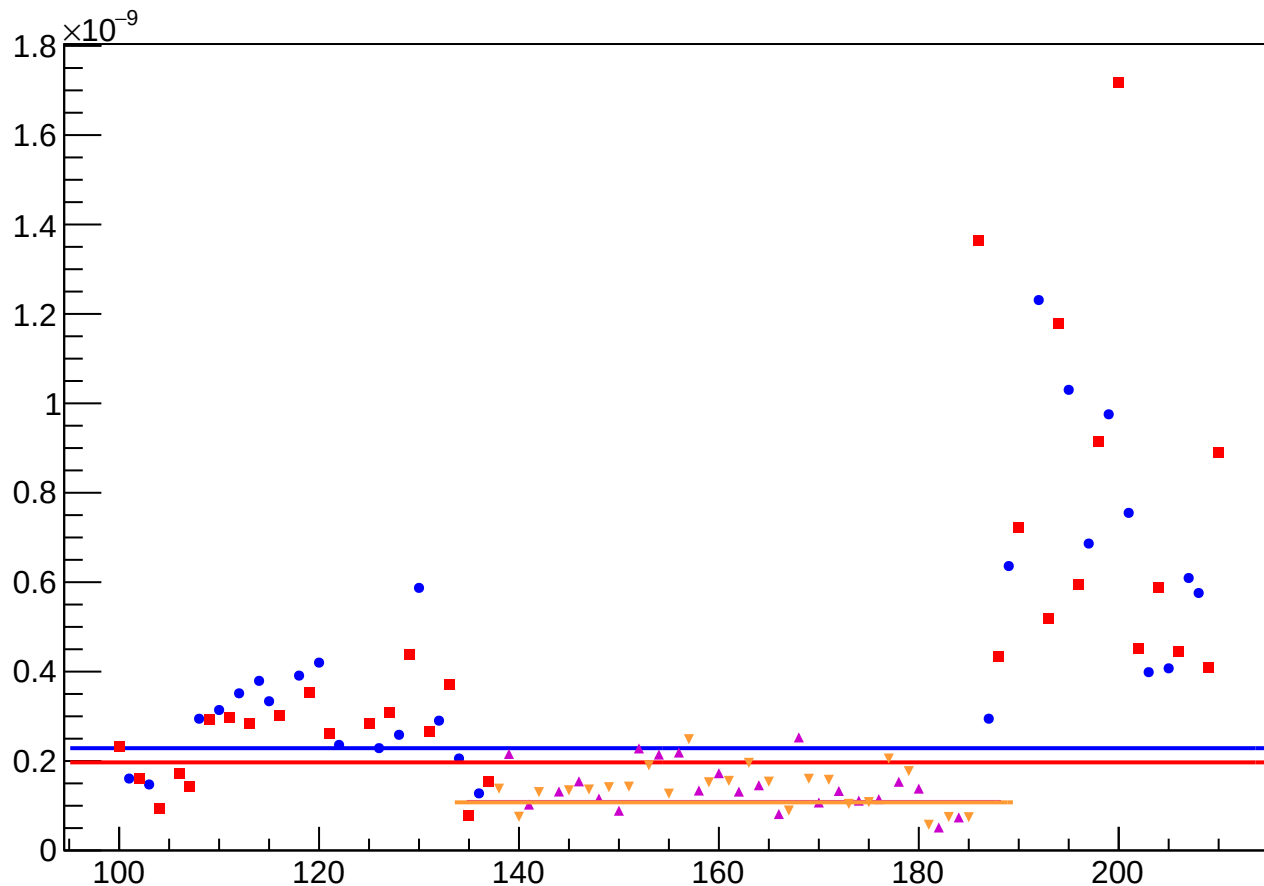
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:17.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 78.5/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.9/53

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6056274.7/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8278514.1/30

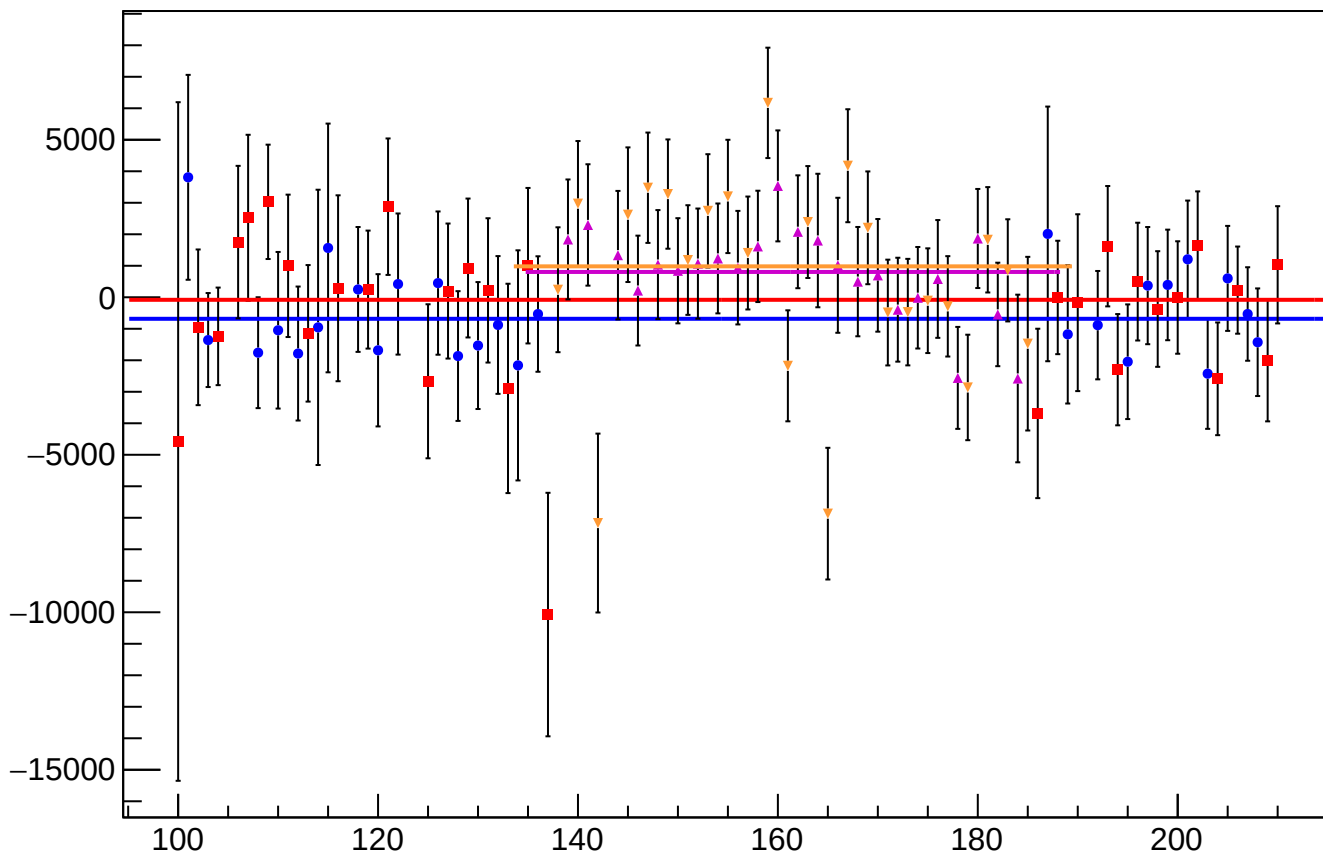
Left In: 0.000+/-0.000 χ^2/NDF : 3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 12631314.4/50

All: 0.000+/-0.000 χ^2/NDF : 26837696.9/104

- sign 0.000+/-0.000 χ^2/NDF : 14206138.8/53

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -683.239 ± 391.005 χ^2/NDF : 9.2/26

Left Out: 981.627 ± 370.843 χ^2/NDF : 55.5/23

Right Out: -80.426 ± 374.644 χ^2/NDF : 25.3/30

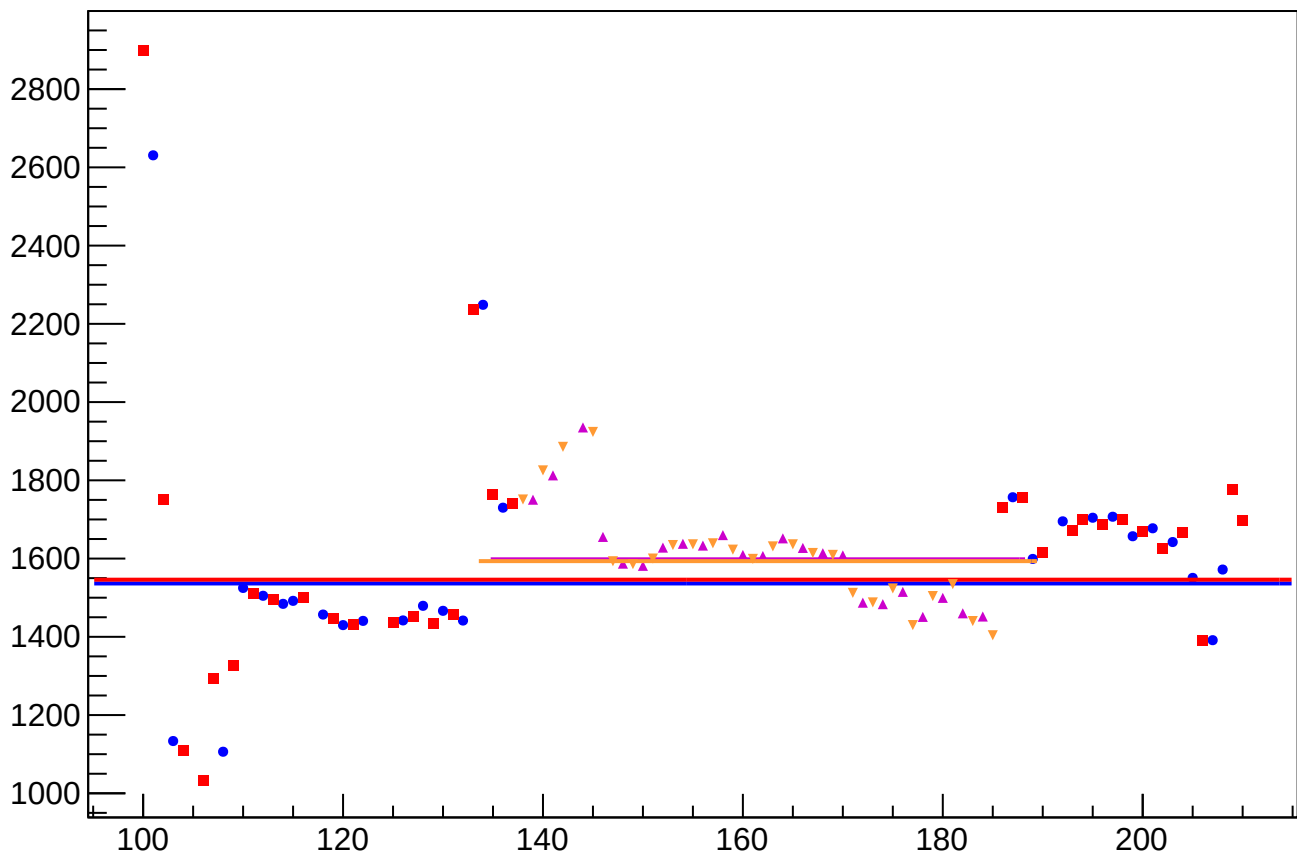
Left In: 803.908 ± 374.066 χ^2/NDF : 12.4/22

+ sign 193.224 ± 269.071 χ^2/NDF : 74.3/50

All: 279.207 ± 188.701 χ^2/NDF : 115.1/104

- sign 362.424 ± 264.709 χ^2/NDF : 40.6/53

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.379+/-0.276 χ^2/NDF : 719794.9/26

Left Out: 1593.482+/-0.262 χ^2/NDF : 187613.7/23

Right Out: 1546.038+/-0.264 χ^2/NDF : 681184.3/30

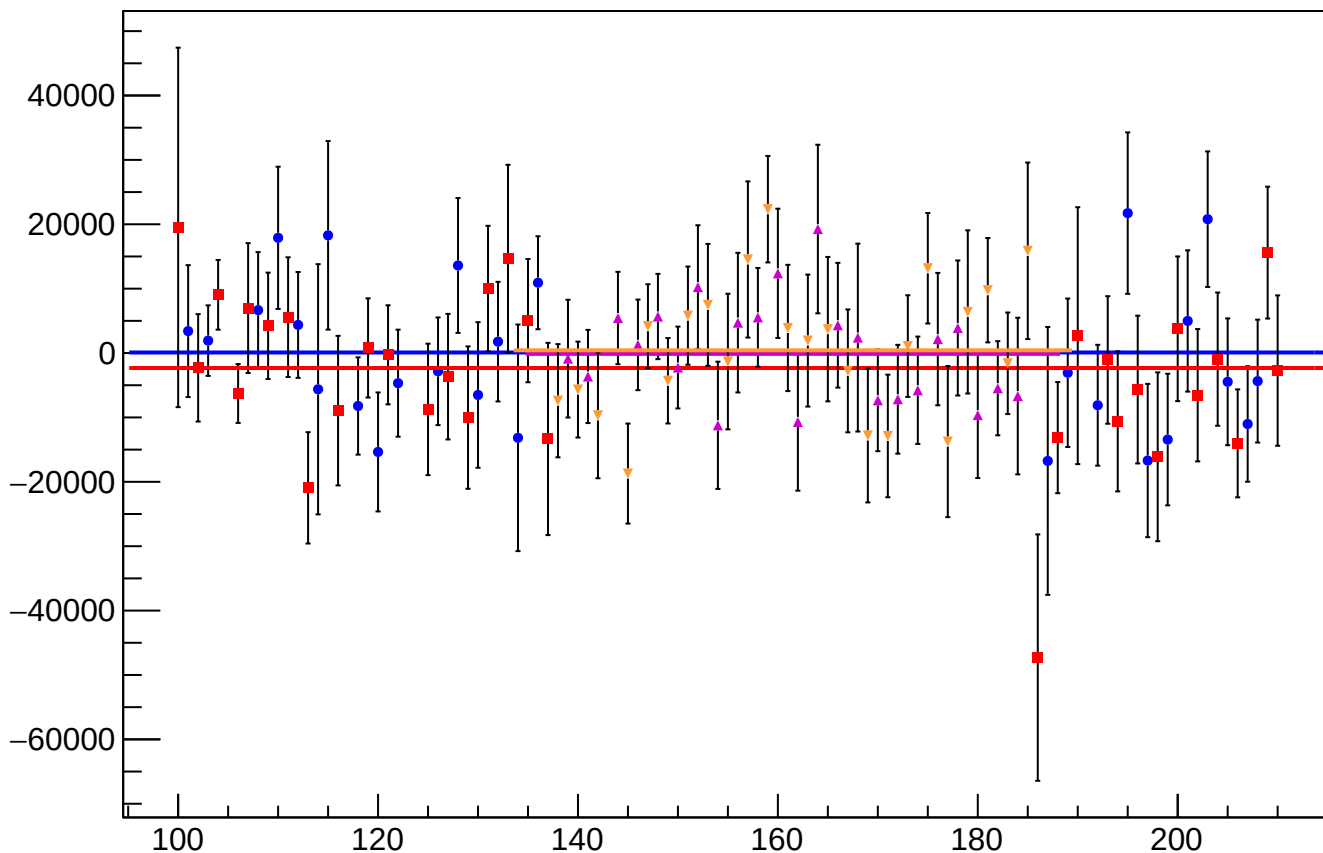
Left In: 1598.119+/-0.265 χ^2/NDF : 169157.7/22

+ sign 1566.441+/-0.190 χ^2/NDF : 929864.6/50

All: 1569.285+/-0.133 χ^2/NDF : 1800067.5/10

- sign 1572.028+/-0.187 χ^2/NDF : 869763.9/53

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug



Right In: 87.672+/-1858.156 χ^2/NDF : 28.8/26

Left Out: 426.701+/-1819.878 χ^2/NDF :29.4/23

Right Out: -2322.461+/-1676.741 χ^2/NDF : 32.6/30

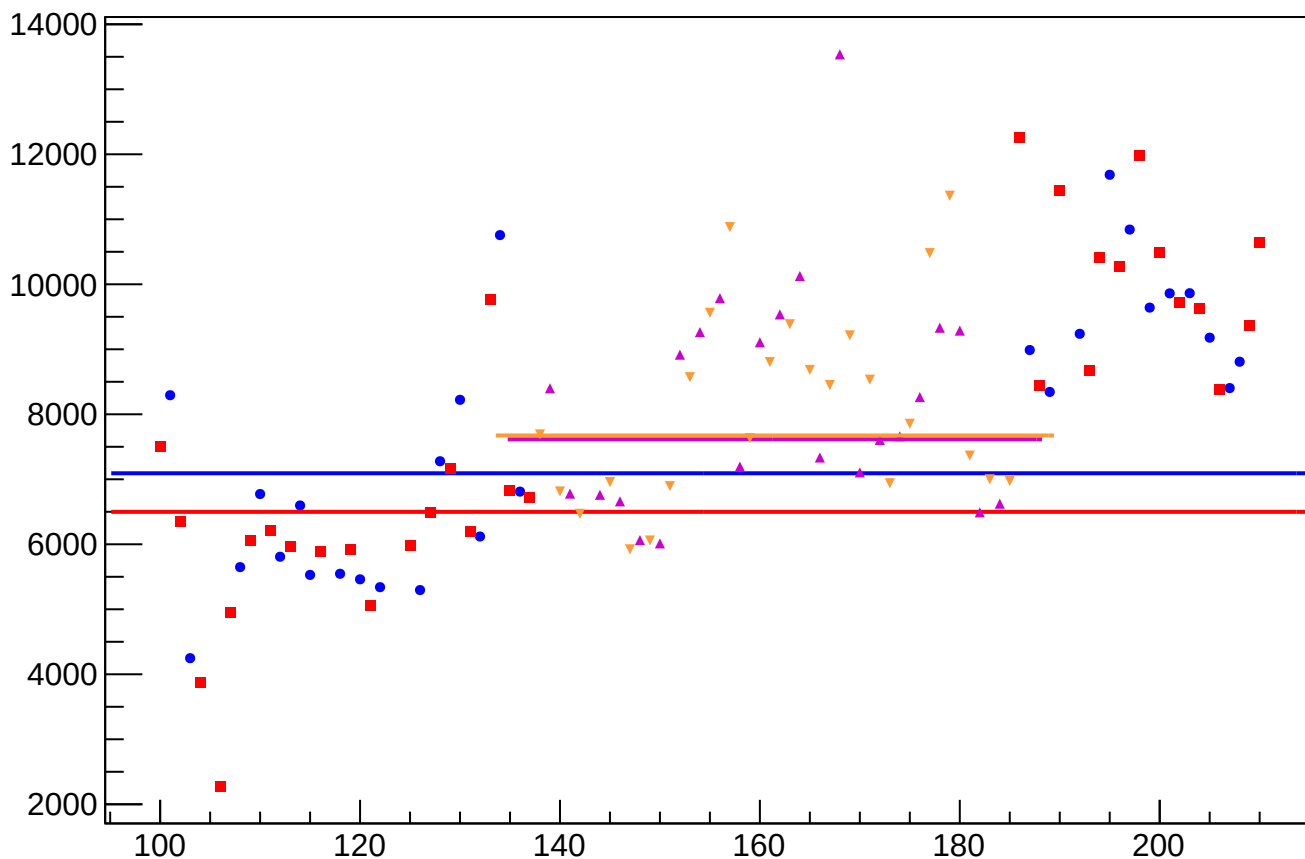
Left In: -126.369+/-1814.830 χ^2/NDF :13.9/22

+ sign 260.715+/-1300.170 χ^2/NDF : 58.2/50

All: -567.773+/-894.117 χ^2/NDF : 106.2/104

- sign -1311.133+/-1231.563 χ^2/NDF : 47.2/53

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 7092.424+/-1.314 χ^2/NDF : 2350735.1/26

Left Out: 7674.060+/-1.287 χ^2/NDF : 1076713.7/23

Right Out: 6499.083+/-1.186 χ^2/NDF : 4917007.9/30

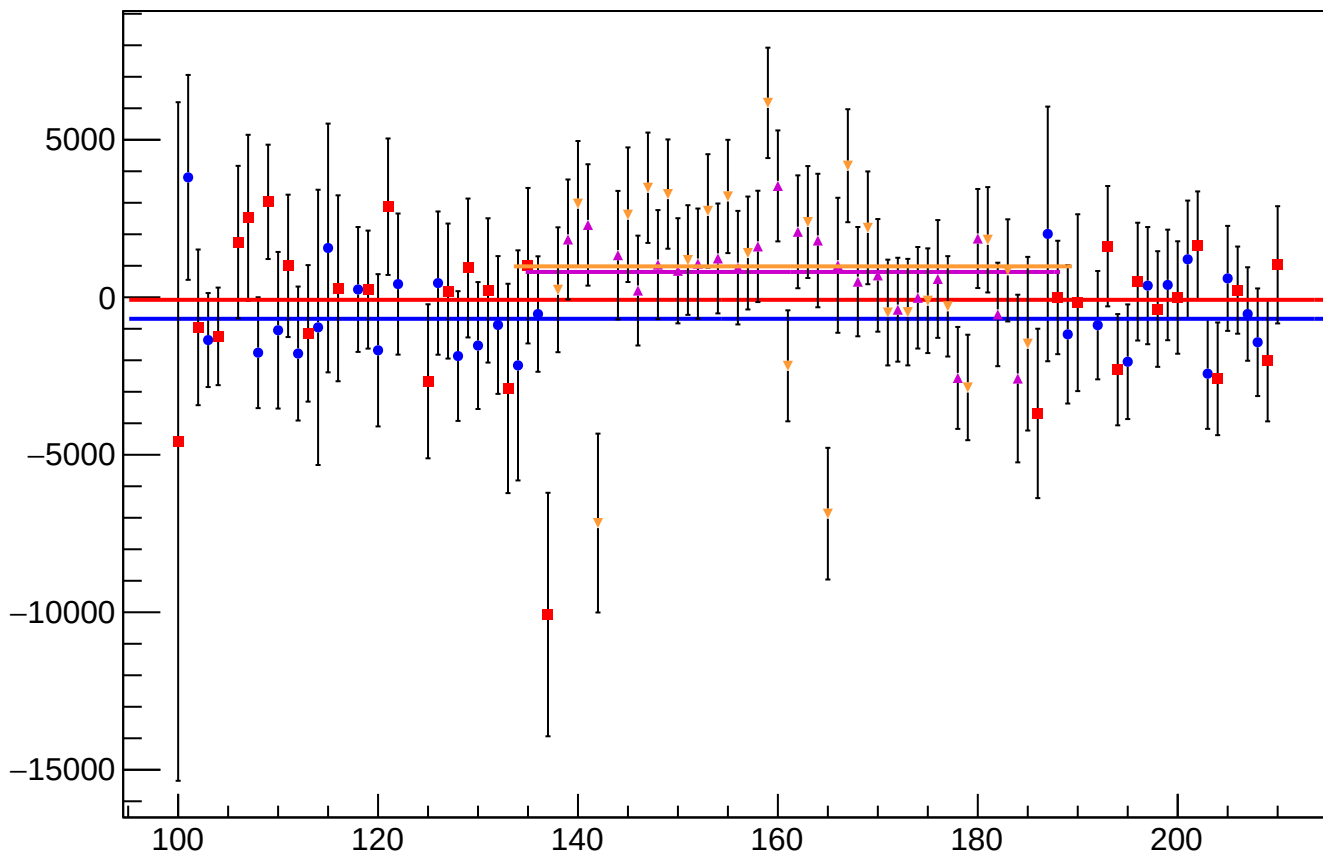
Left In: 7614.974+/-1.283 χ^2/NDF : 1224520.2/22

+ sign 7389.294+/-0.919 χ^2/NDF : 3527468.2/50

All: 7190.939+/-0.632 χ^2/NDF : 10165240.2/100

- sign 7012.965+/-0.871 χ^2/NDF : 6549455.4/53

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -683.307 ± 391.005 χ^2/NDF : 9.2/26

Left Out: 981.712 ± 370.843 χ^2/NDF : 55.6/23

Right Out: -80.460 ± 374.644 χ^2/NDF : 25.3/30

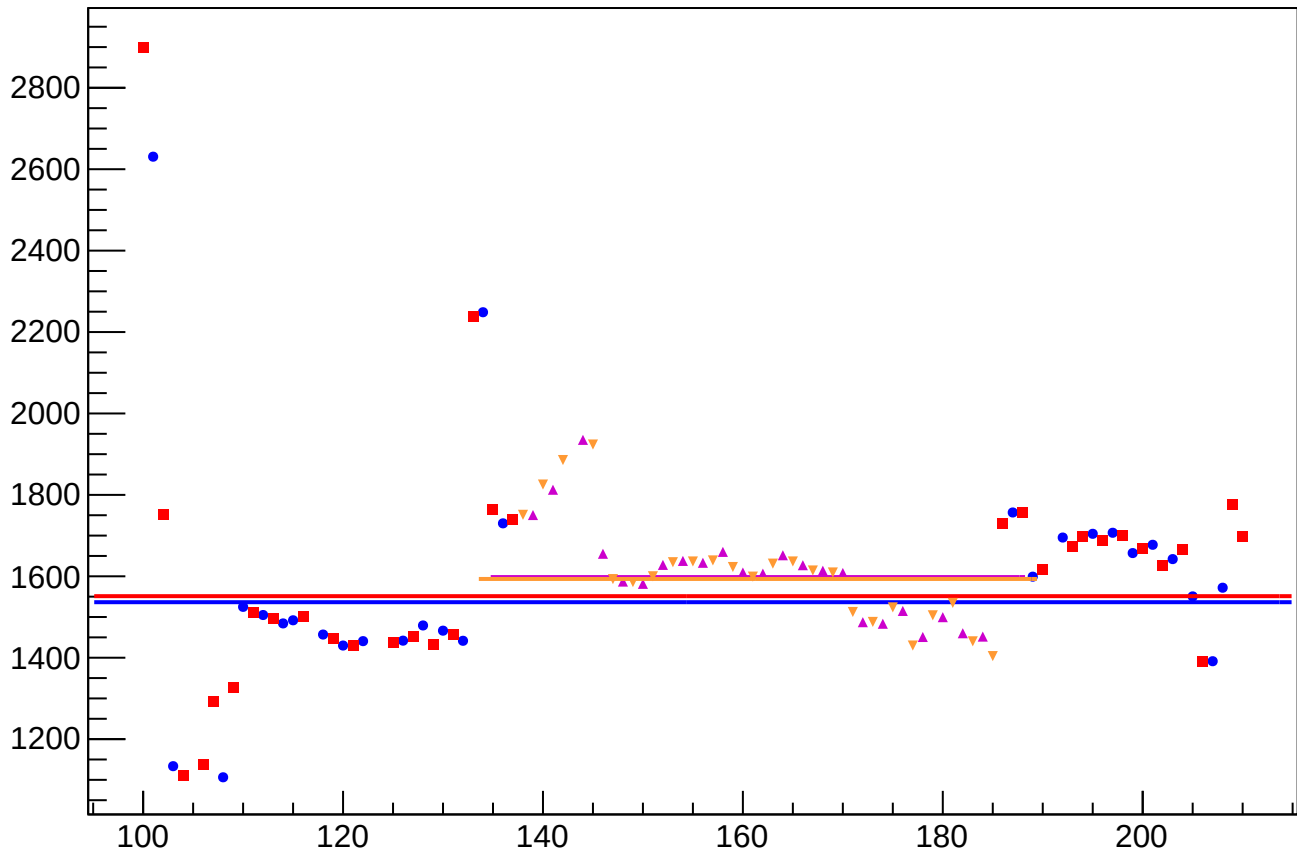
Left In: 803.783 ± 374.066 χ^2/NDF : 12.4/22

+ sign 193.236 ± 269.071 χ^2/NDF : 74.3/50

All: 279.172 ± 188.701 χ^2/NDF : 115.1/104

- sign 362.345 ± 264.709 χ^2/NDF : 40.6/53

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.379 $\pm$ 0.276 χ^2 /NDF: 719795.3/26

Left Out: 1593.482 $\pm$ 0.262 χ^2 /NDF:187613.7/23

Right Out: 1551.209 $\pm$ 0.265 χ^2 /NDF: 627201.1/30

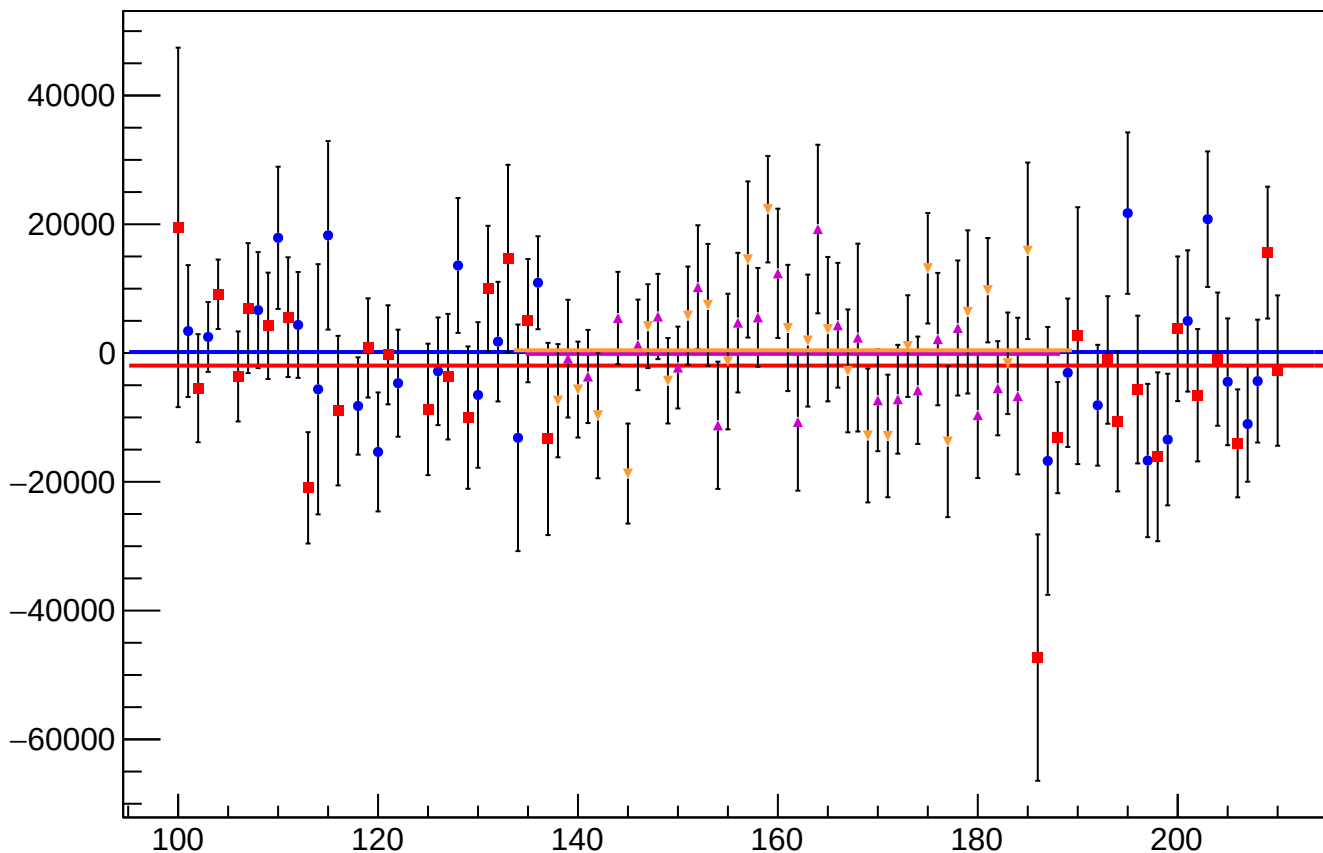
Left In: 1598.119 $\pm$ 0.265 χ^2 /NDF:169157.7/22

+ sign 1566.441 $\pm$ 0.190 χ^2 /NDF: 929865.1/50

All: 1570.627 $\pm$ 0.133 χ^2 /NDF: 1742895.1/10

- sign 1574.675 $\pm$ 0.187 χ^2 /NDF: 812077.8/53

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug



Right In: 158.787 $\pm$ 1856.082 χ^2 /NDF: 28.9/26

Left Out: 426.702 $\pm$ 1819.879 χ^2 /NDF: 29.4/23

Right Out: -1946.617 $\pm$ 1745.174 χ^2 /NDF: 32.1/30

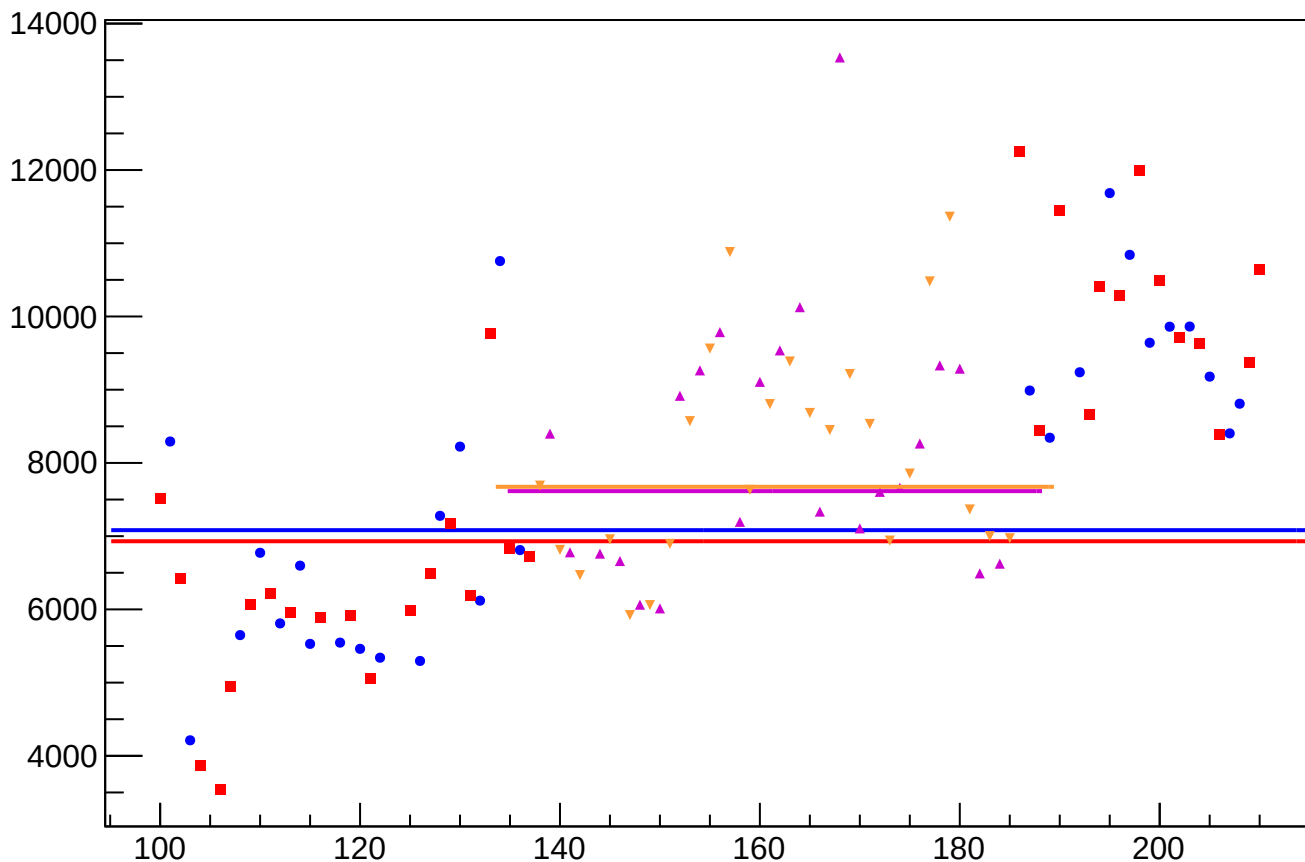
Left In: -126.376 $\pm$ 1814.828 χ^2 /NDF: 13.9/22

+ sign 295.383 $\pm$ 1299.459 χ^2 /NDF: 58.3/50

All: -410.559 $\pm$ 903.815 χ^2 /NDF: 105.3/104

- sign -1072.097 $\pm$ 1257.928 χ^2 /NDF: 46.5/53

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 7081.889+/-1.312 χ^2/NDF : 2374994.5/26

Left Out: 7674.063+/-1.287 χ^2/NDF : 1076712.6/23

Right Out: 6930.437+/-1.234 χ^2/NDF : 3449902.8/30

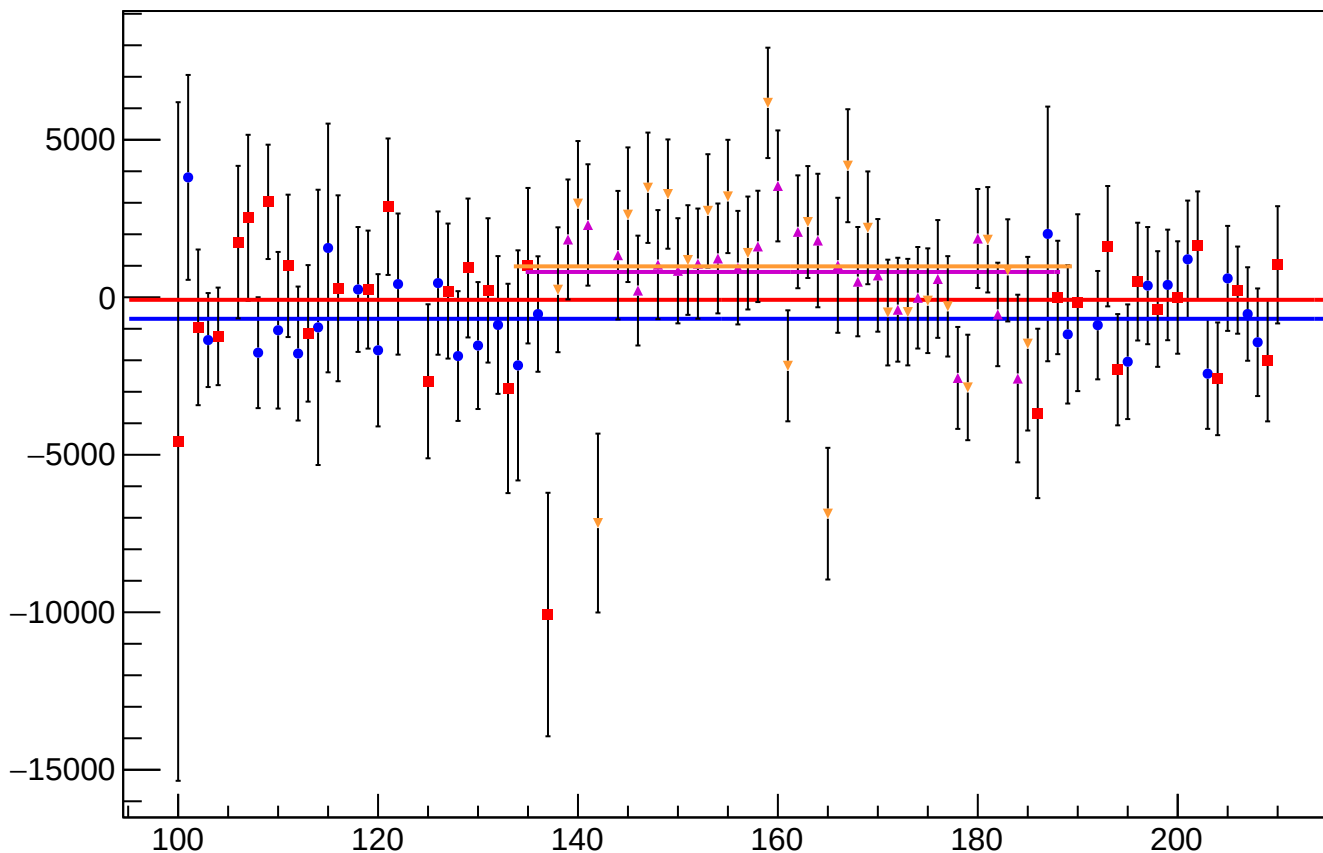
Left In: 7614.964+/-1.283 χ^2/NDF : 1224525.6/22

+ sign 7383.808+/-0.919 χ^2/NDF : 3555501.4/50

All: 7319.539+/-0.639 χ^2/NDF : 8387240.8/10

- sign 7259.312+/-0.889 χ^2/NDF : 4822262.7/53

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -683.307 ± 391.005 χ^2/NDF : 9.2/26

Left Out: 981.712 ± 370.843 χ^2/NDF : 55.6/23

Right Out: -80.460 ± 374.644 χ^2/NDF : 25.3/30

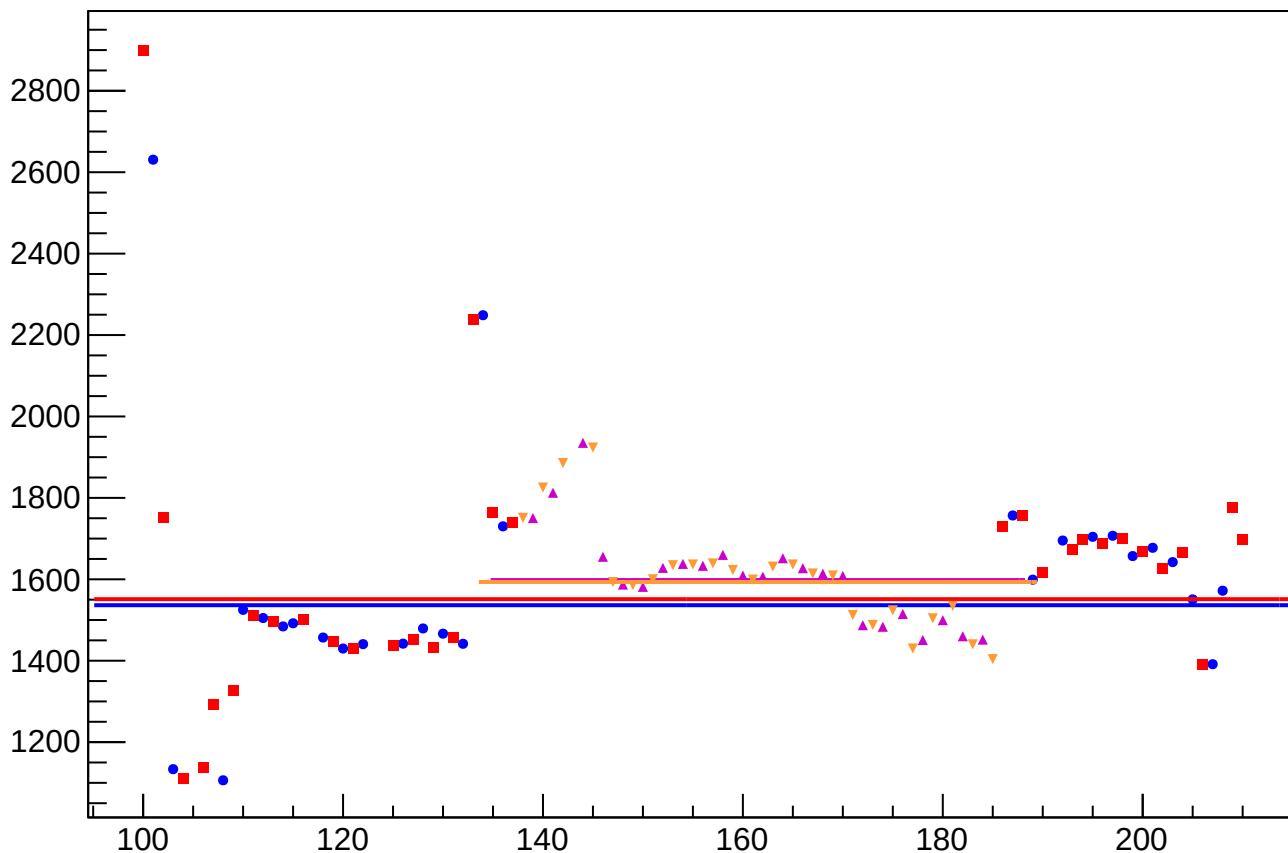
Left In: 803.783 ± 374.066 χ^2/NDF : 12.4/22

+ sign 193.236 ± 269.071 χ^2/NDF : 74.3/50

All: 279.172 ± 188.701 χ^2/NDF : 115.1/104

- sign 362.345 ± 264.709 χ^2/NDF : 40.6/53

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.379 $\pm$ 0.276 χ^2 /NDF: 719795.3/26

Left Out: 1593.482 $\pm$ 0.262 χ^2 /NDF: 187613.7/23

Right Out: 1551.209 $\pm$ 0.265 χ^2 /NDF: 627201.1/30

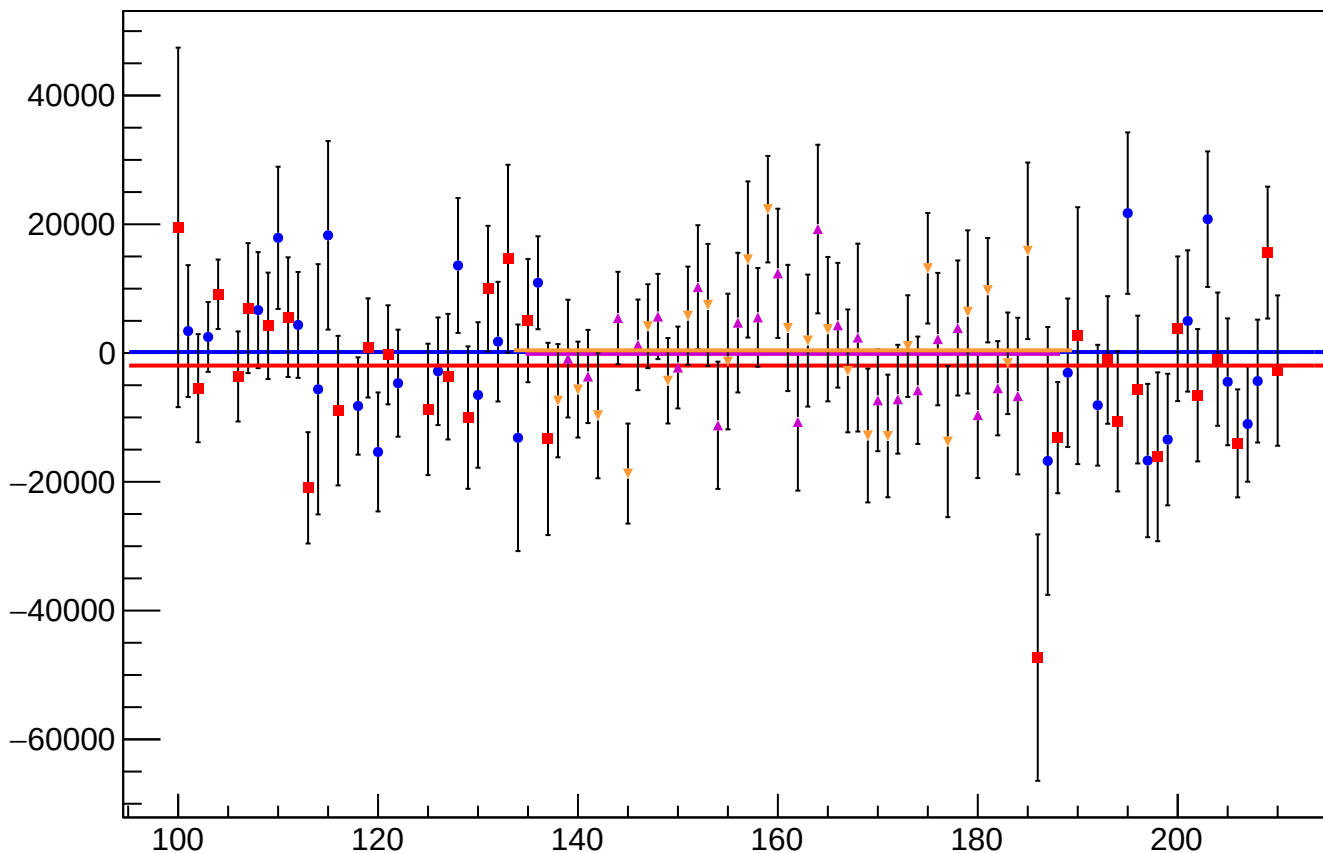
Left In: 1598.119 $\pm$ 0.265 χ^2 /NDF: 169157.7/22

+ sign 1566.441 $\pm$ 0.190 χ^2 /NDF: 929865.1/50

All: 1570.627 $\pm$ 0.133 χ^2 /NDF: 1742895.1/10

- sign 1574.675 $\pm$ 0.187 χ^2 /NDF: 812077.8/53

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 158.787 ± 1856.082 χ^2/NDF : 28.9/26

Left Out: 426.702 ± 1819.879 χ^2/NDF : 29.4/23

Right Out: -1946.617 ± 1745.174 χ^2/NDF : 32.1/30

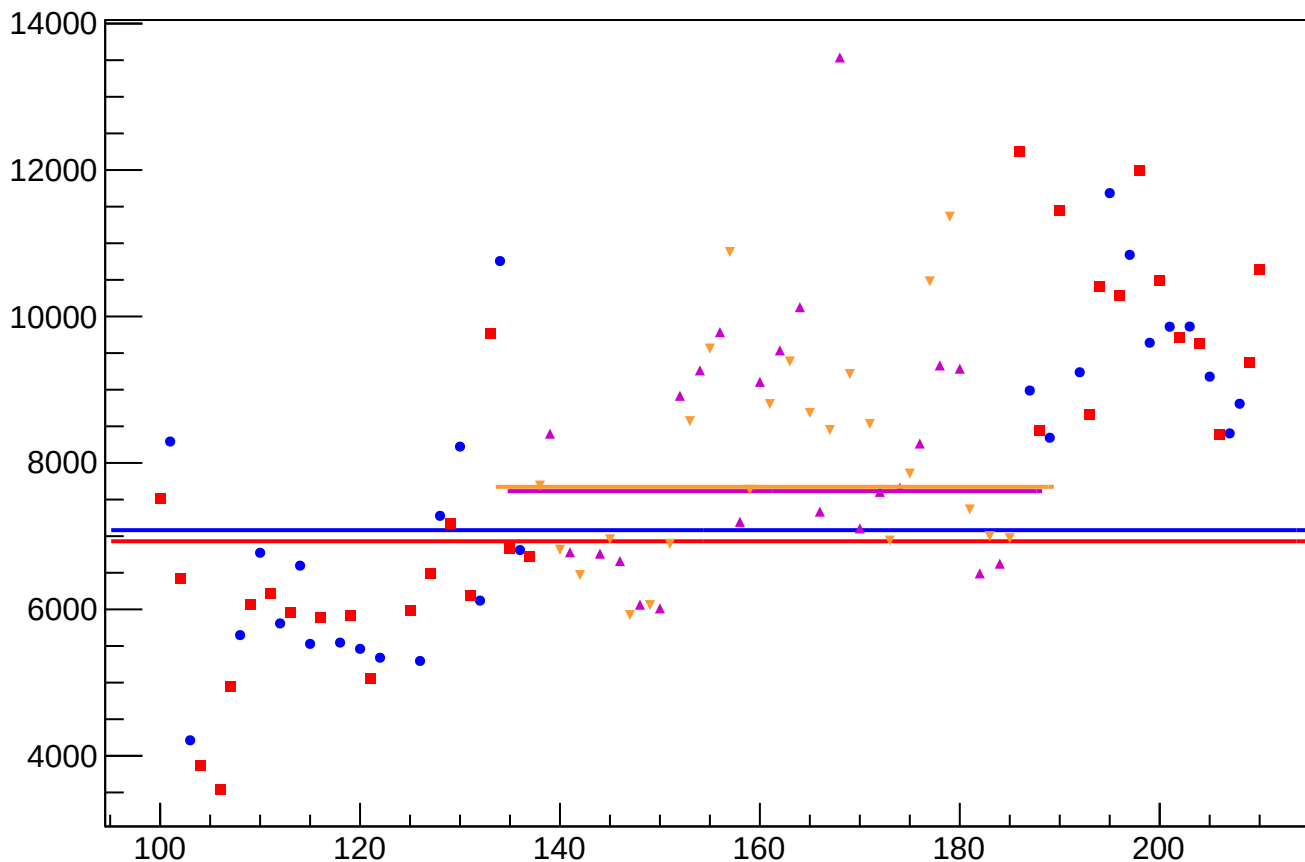
Left In: -126.376 ± 1814.828 χ^2/NDF : 13.9/22

+ sign 295.383 ± 1299.459 χ^2/NDF : 58.3/50

All: -410.559 ± 903.815 χ^2/NDF : 105.3/104

- sign -1072.097 ± 1257.928 χ^2/NDF : 46.5/53

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 7081.889+/-1.312 χ^2/NDF : 2374994.5/26

Left Out: 7674.063+/-1.287 χ^2/NDF : 1076712.6/23

Right Out: 6930.437+/-1.234 χ^2/NDF : 3449902.8/30

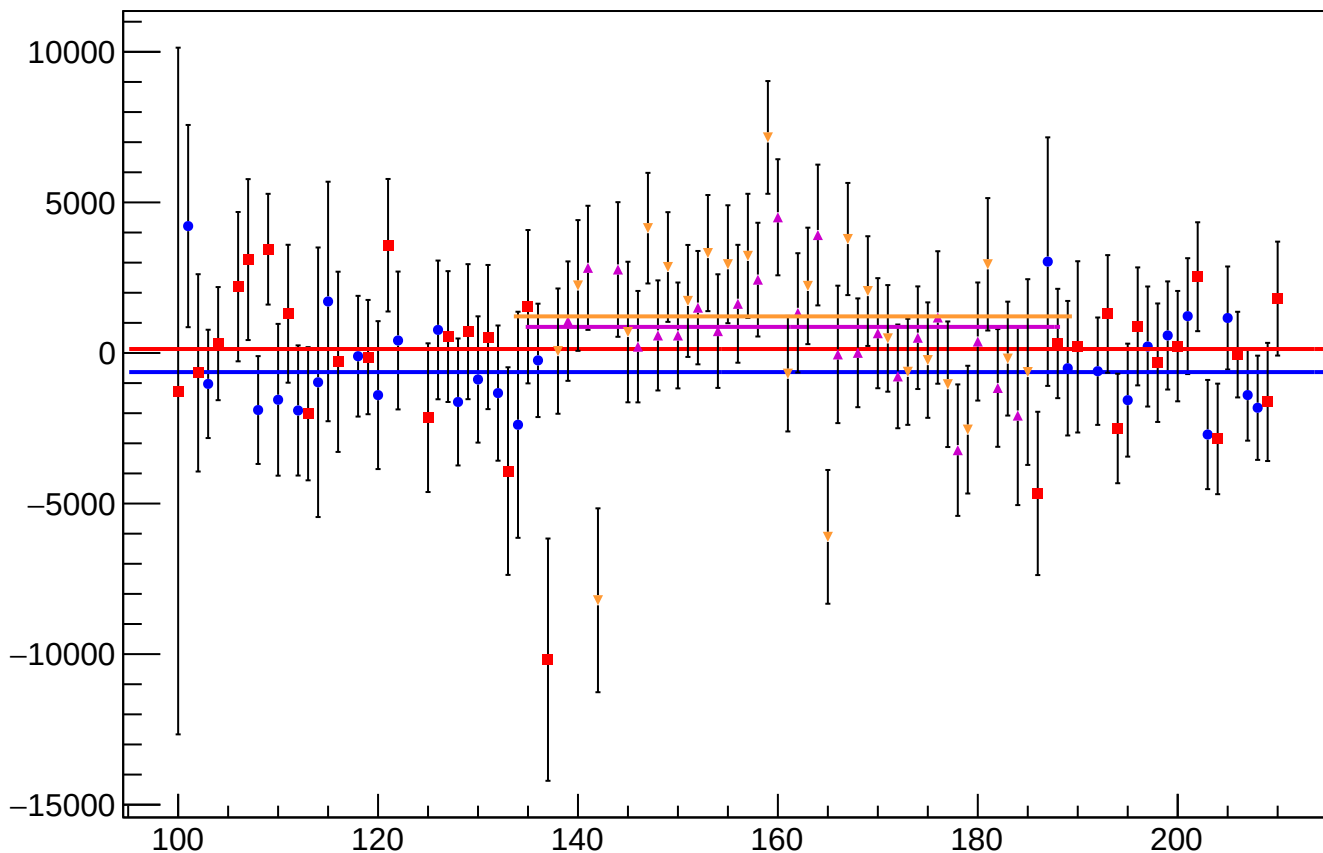
Left In: 7614.964+/-1.283 χ^2/NDF : 1224525.6/22

+ sign 7383.808+/-0.919 χ^2/NDF : 3555501.4/50

All: 7319.539+/-0.639 χ^2/NDF : 8387240.8/10

- sign 7259.312+/-0.889 χ^2/NDF : 4822262.7/53

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -634.462±/404.931 χ^2/NDF : 10.5/26

Left Out: 1215.353±/409.584 χ^2/NDF : 48.5/23

Right Out: 131.931±/389.120 χ^2/NDF : 30.0/30

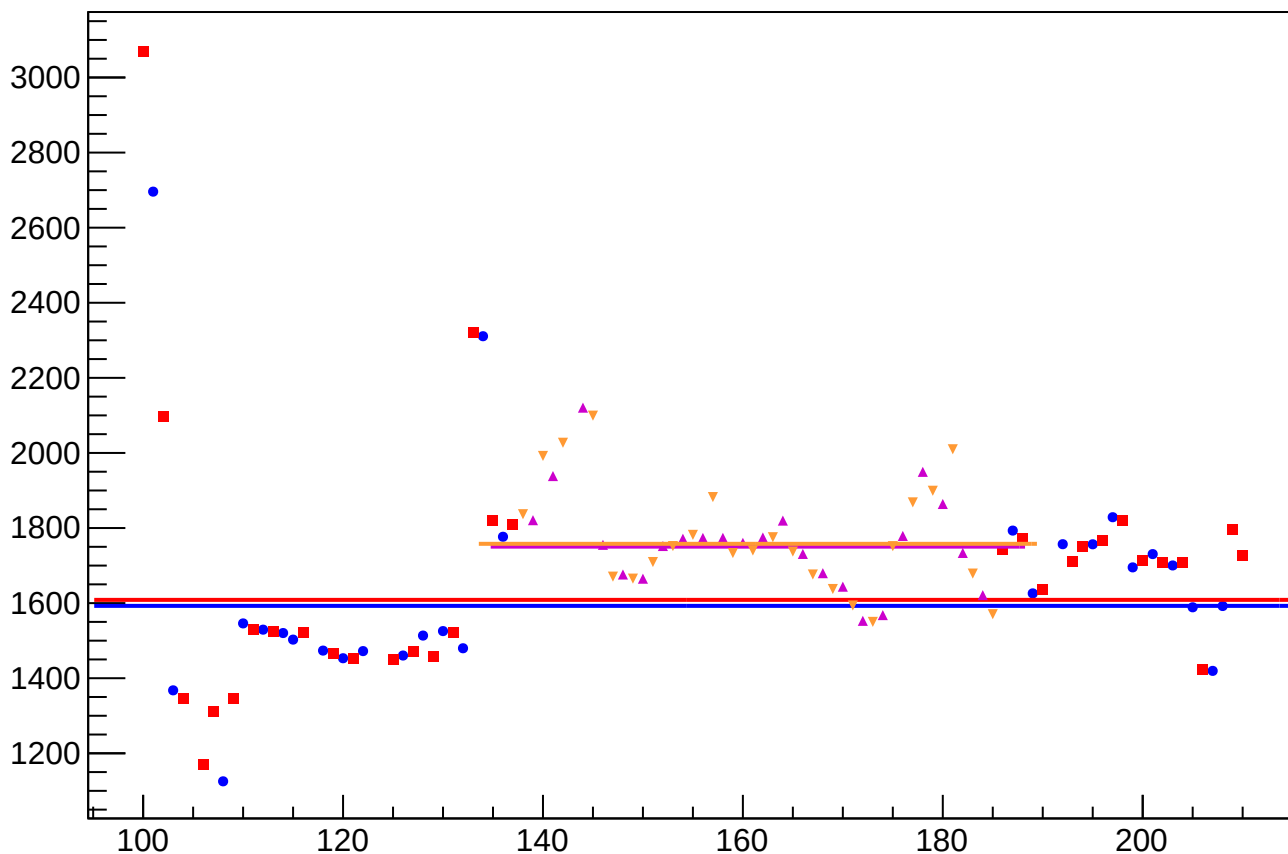
Left In: 866.022±/410.038 χ^2/NDF : 15.1/22

+ sign 279.878±/287.961 χ^2/NDF : 69.3/50

All: 381.826±/201.571 χ^2/NDF : 116.4/104

- sign 479.774±/282.255 χ^2/NDF : 46.8/53

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1592.694 $\pm$ 0.286 χ^2 /NDF: 630823.5/26

Left Out: 1757.965 $\pm$ 0.290 χ^2 /NDF:213284.1/23

Right Out: 1608.680 $\pm$ 0.275 χ^2 /NDF: 559304.0/30

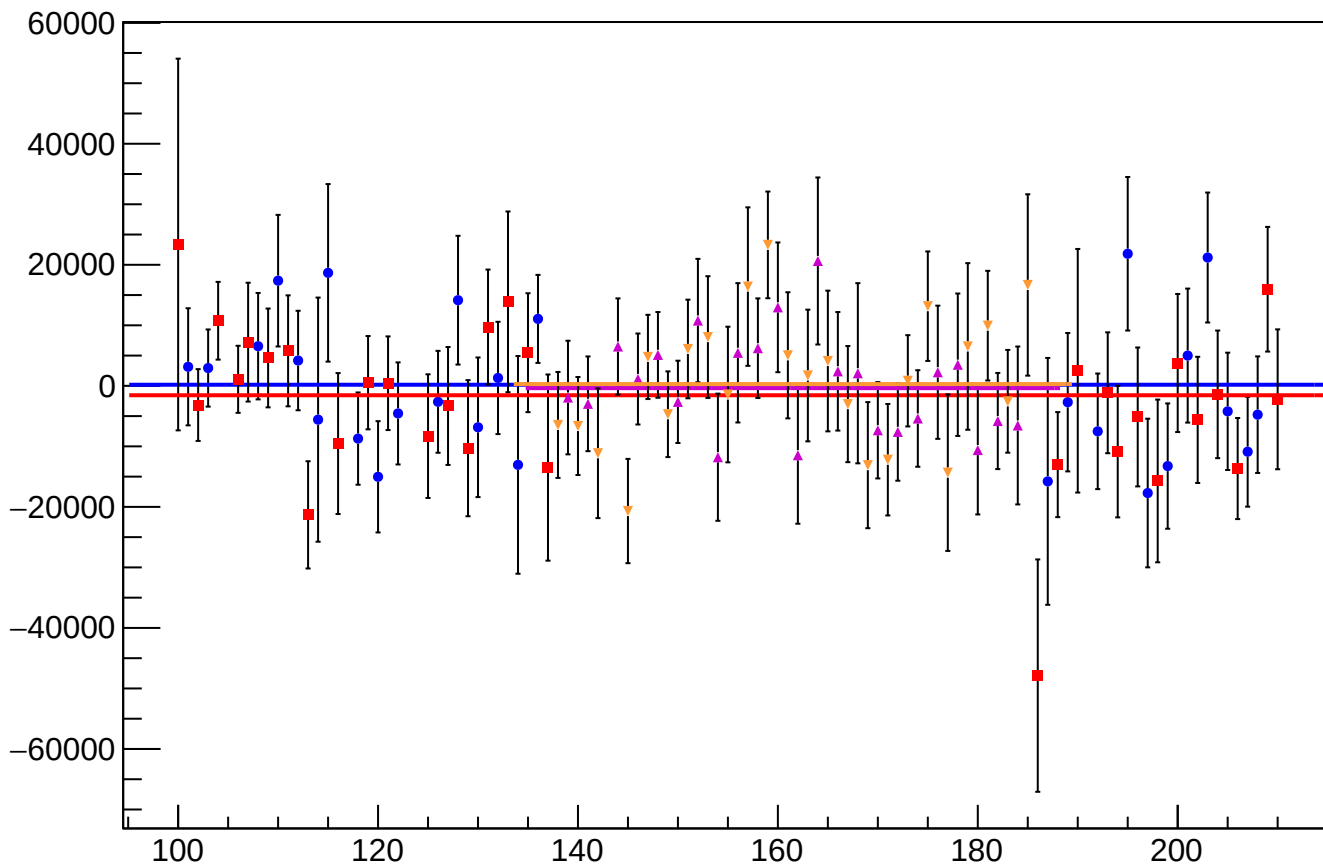
Left In: 1750.477 $\pm$ 0.290 χ^2 /NDF:171889.4/22

+ sign 1674.386 $\pm$ 0.204 χ^2 /NDF: 1008786.3/50

All: 1675.137 $\pm$ 0.143 χ^2 /NDF: 1865866.6/10

- sign 1675.860 $\pm$ 0.200 χ^2 /NDF: 857053.6/53

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug



Right In: 181.662 $\pm$ 1891.921 χ^2 /NDF: 28.7/26

Left Out: 284.925 $\pm$ 1920.134 χ^2 /NDF: 28.7/23

Right Out: -1554.445 $\pm$ 1708.300 χ^2 /NDF: 31.8/30

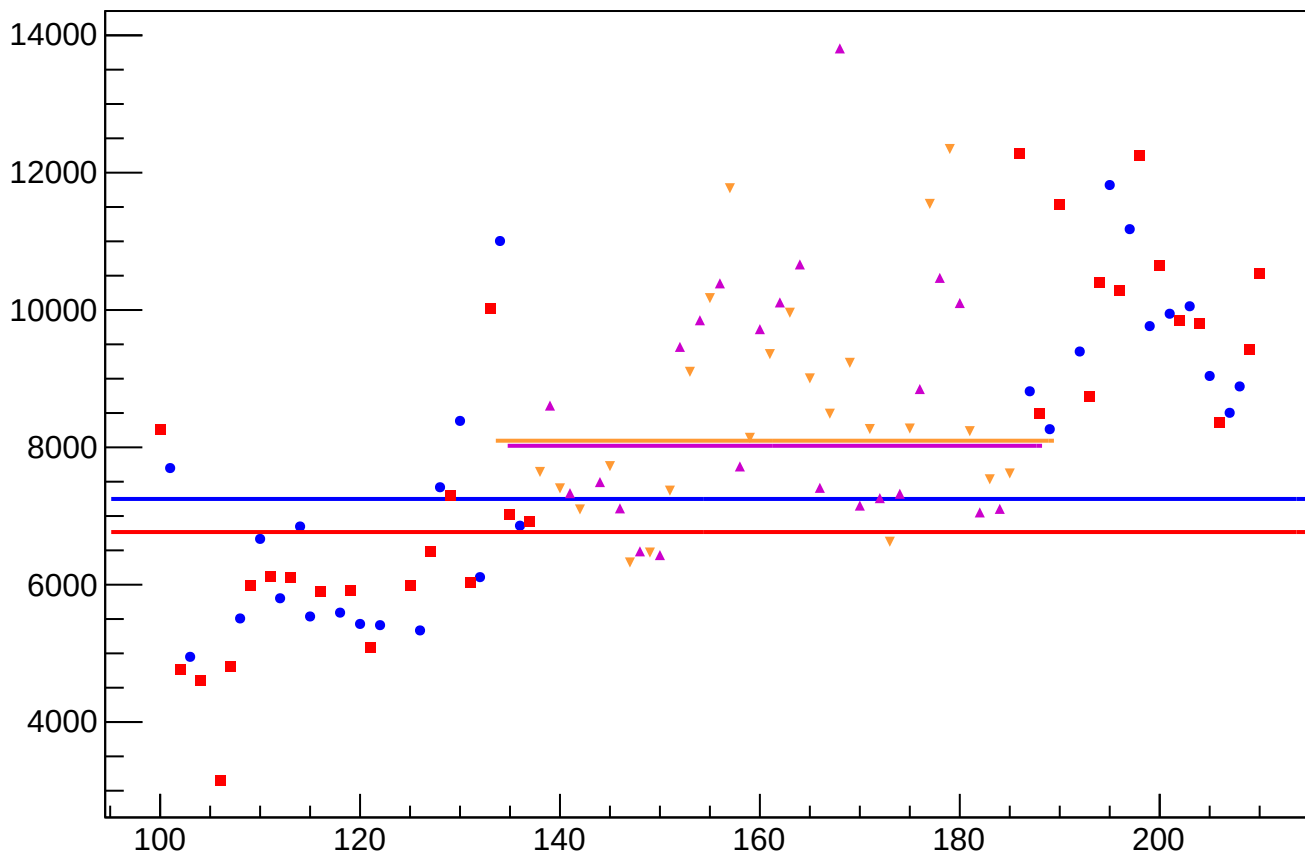
Left In: -382.660 $\pm$ 1912.385 χ^2 /NDF: 13.6/22

+ sign 232.529 $\pm$ 1347.654 χ^2 /NDF: 57.3/50

All: -436.489 $\pm$ 925.804 χ^2 /NDF: 103.4/104

- sign -1034.393 $\pm$ 1274.016 χ^2 /NDF: 45.6/53

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 7248.613 $\pm$ 1.338 χ^2 /NDF: 2083656.3/26

Left Out: 8096.821 $\pm$ 1.358 χ^2 /NDF: 1087790.8/23

Right Out: 6766.833 $\pm$ 1.208 χ^2 /NDF: 3855505.5/30

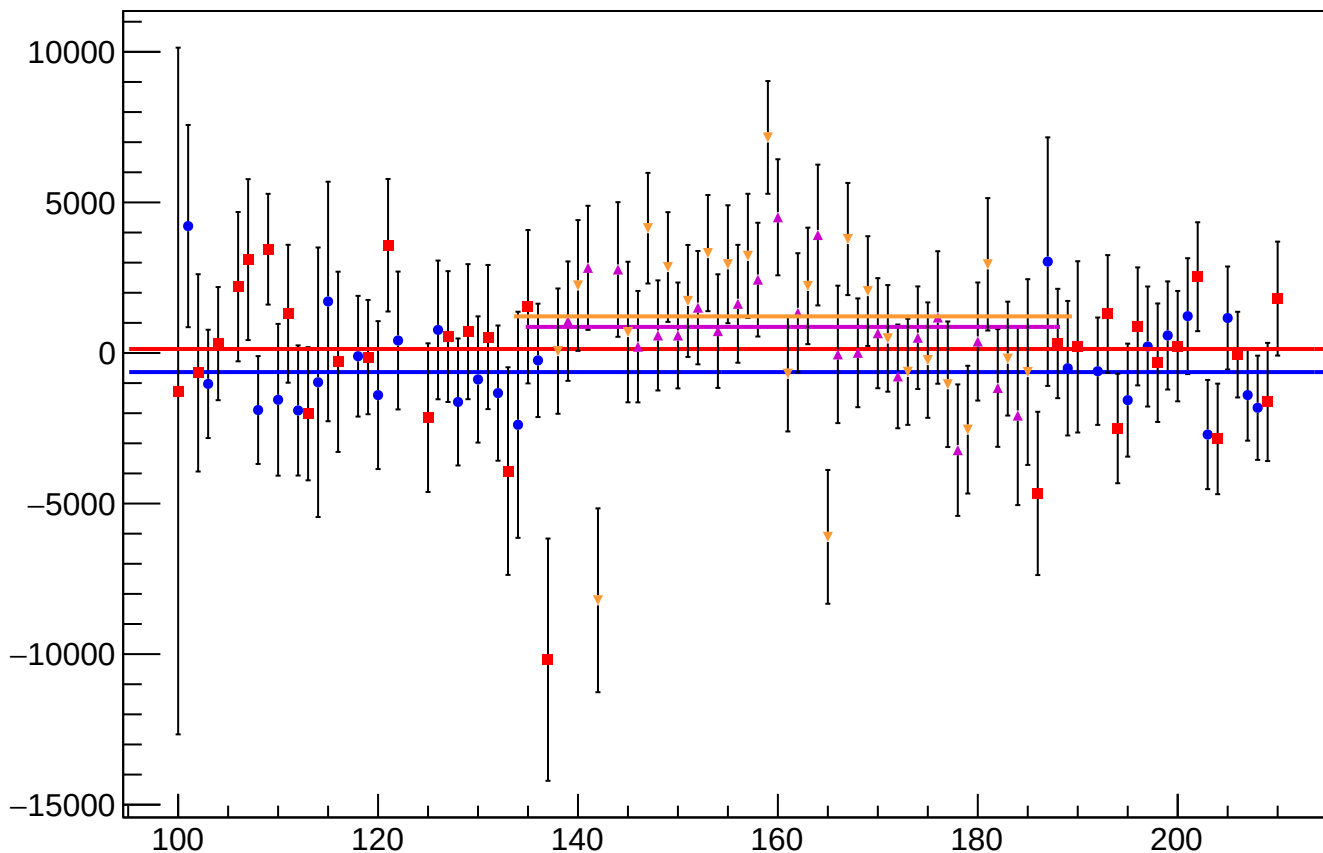
Left In: 8022.726 $\pm$ 1.352 χ^2 /NDF: 1225549.2/22

+ sign 7666.440 $\pm$ 0.953 χ^2 /NDF: 3369473.2/50

All: 7485.722 $\pm$ 0.655 χ^2 /NDF: 8998374.8/10

- sign 7324.213 $\pm$ 0.901 χ^2 /NDF: 5560795.2/53

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -634.461 $\pm$ 404.931 χ^2/NDF : 10.5/26

Left Out: 1215.361 $\pm$ 409.585 χ^2/NDF :48.5/23

Right Out: 131.932 $\pm$ 389.120 χ^2/NDF : 30.0/30

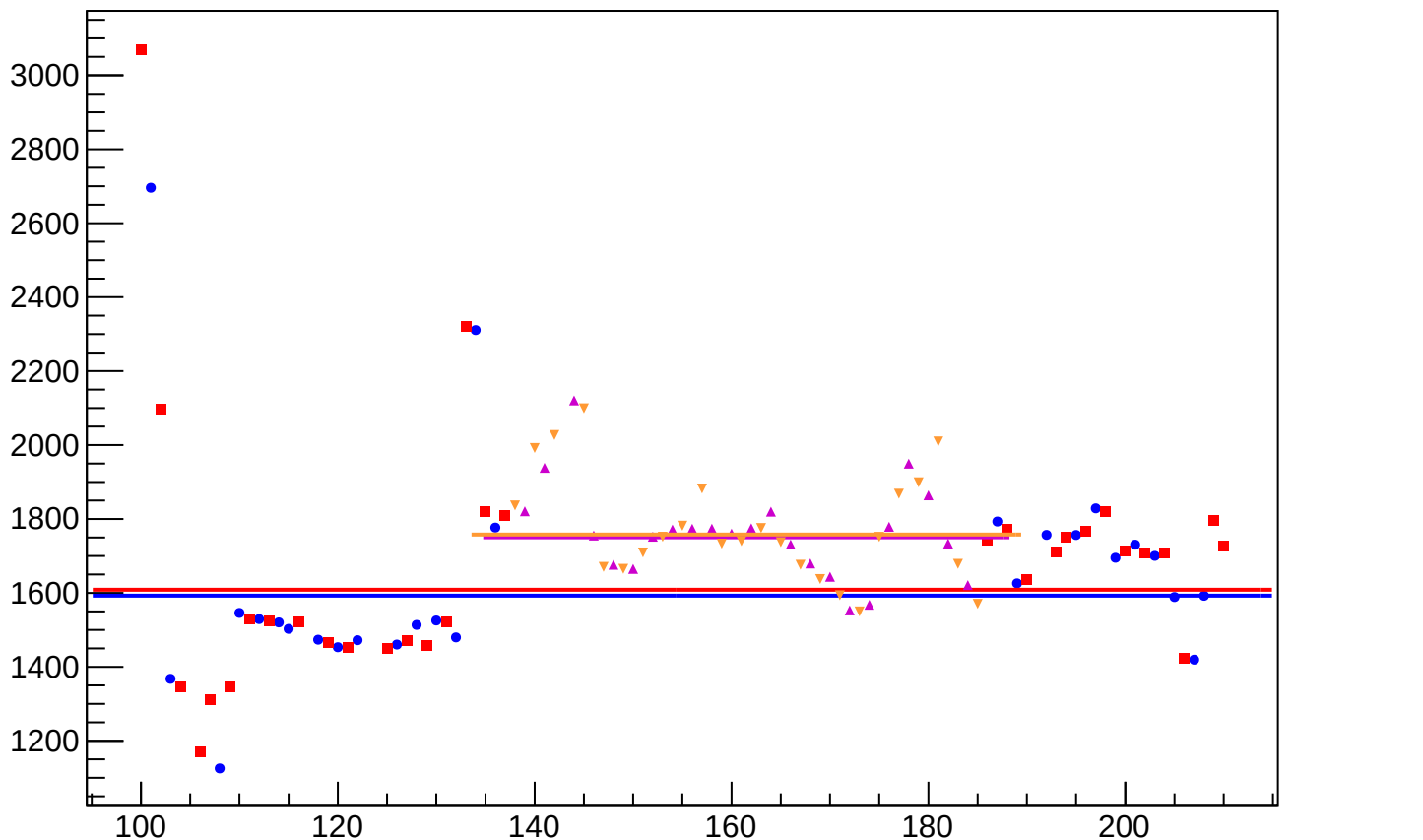
Left In: 866.021 $\pm$ 410.039 χ^2/NDF :15.1/22

+ sign 279.881 $\pm$ 287.961 χ^2/NDF : 69.3/50

All: 381.828 $\pm$ 201.572 χ^2/NDF : 116.4/104

- sign 479.774 $\pm$ 282.255 χ^2/NDF : 46.8/53

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1592.695+/-0.286 χ^2/NDF : 630823.4/26

Left Out: 1757.968+/-0.290 χ^2/NDF : 213292.2/23

Right Out: 1608.680+/-0.275 χ^2/NDF : 559305.1/30

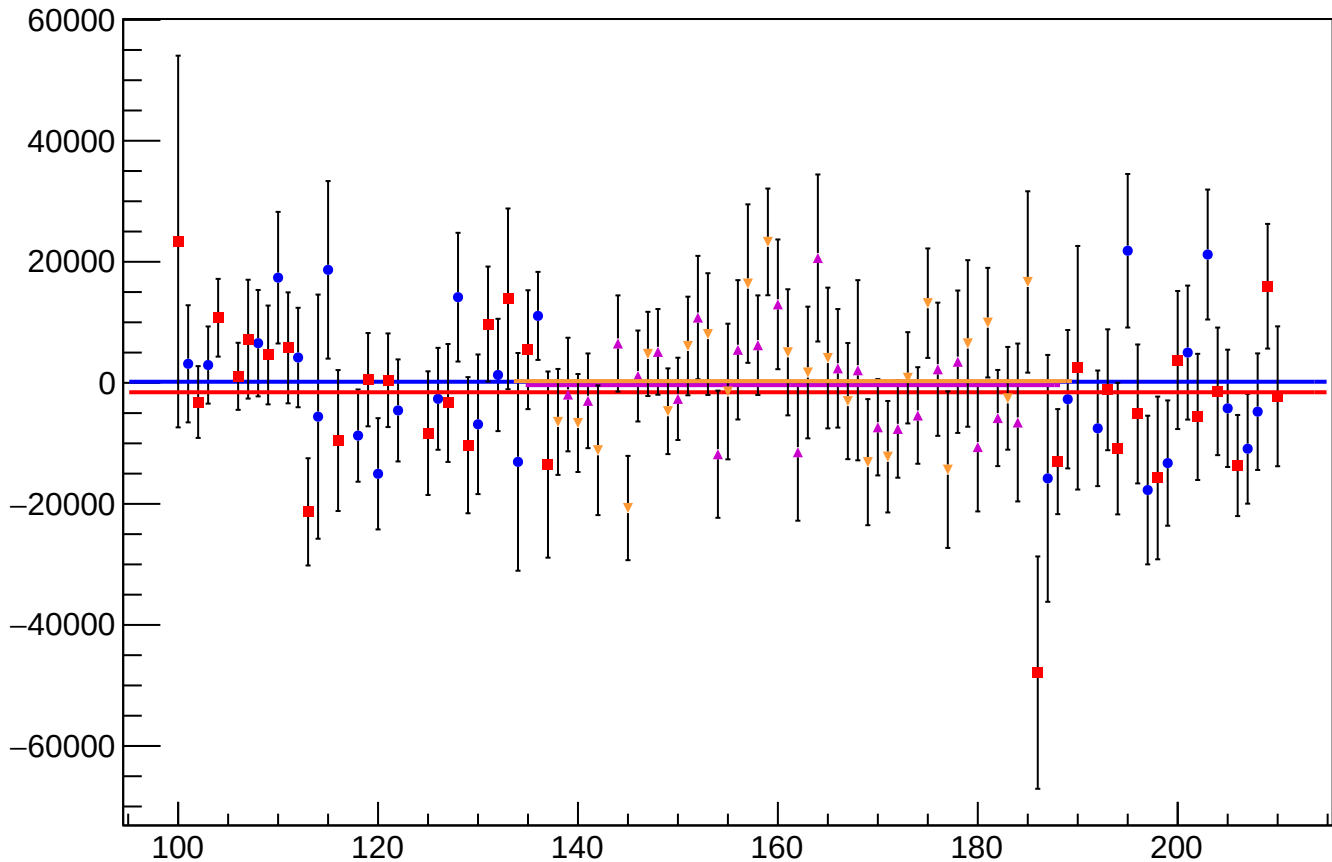
Left In: 1750.480+/-0.290 χ^2/NDF : 171897.3/22

+ sign 1674.387+/-0.204 χ^2/NDF : 1008799.3/50

All: 1675.139+/-0.143 χ^2/NDF : 1865893.4/10

- sign 1675.861+/-0.200 χ^2/NDF : 857067.3/53

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 181.654+/-1891.919 χ^2/NDF : 28.7/26

Left Out: 284.927+/-1920.138 χ^2/NDF : 28.7/23

Right Out: -1554.435+/-1708.299 χ^2/NDF : 31.8/30

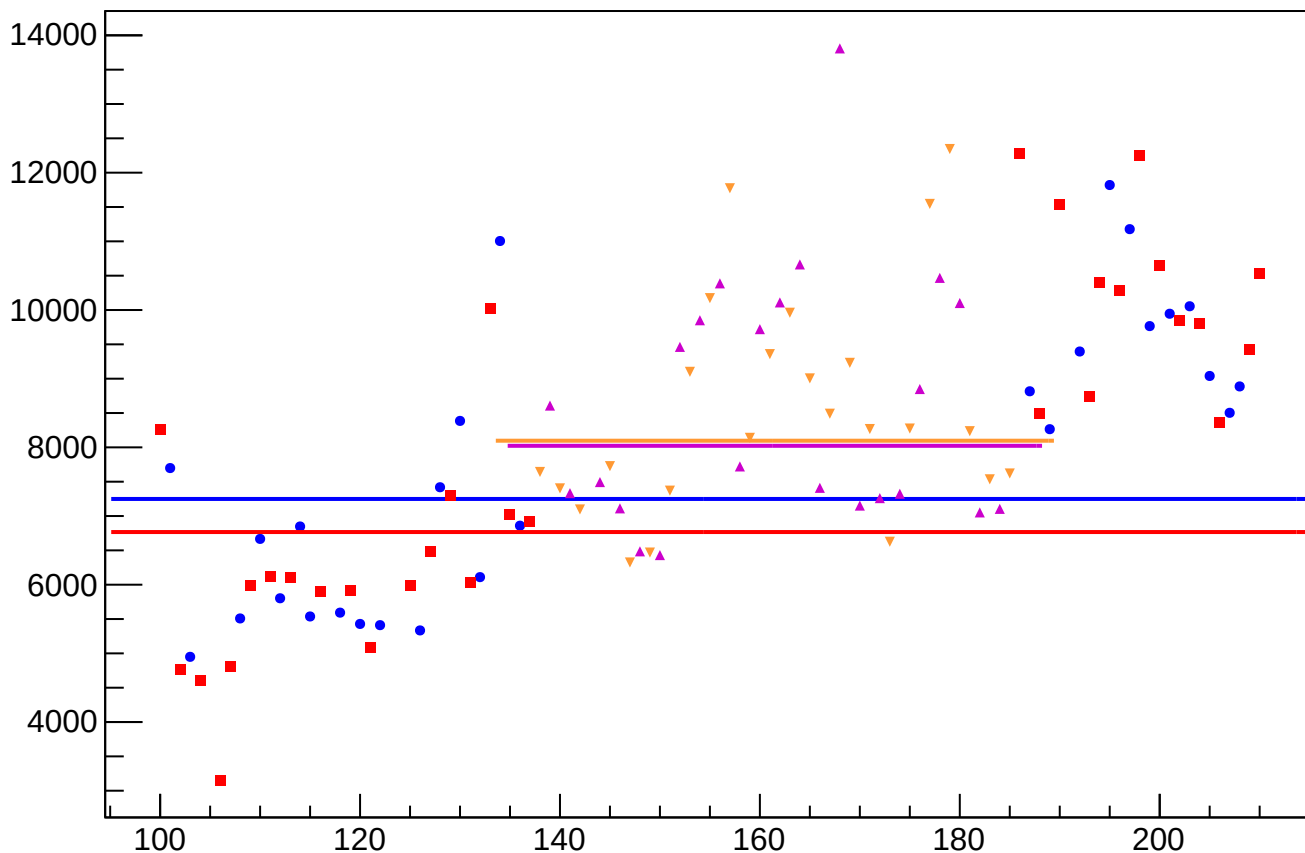
Left In: -382.663+/-1912.388 χ^2/NDF : 13.6/22

+ sign 232.526+/-1347.655 χ^2/NDF : 57.3/50

All: -436.490+/-925.804 χ^2/NDF : 103.4/104

- sign -1034.390+/-1274.016 χ^2/NDF : 45.6/53

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 7248.604+/-1.338 χ^2/NDF : 2083683.4/26

Left Out: 8096.833+/-1.358 χ^2/NDF : 1087793.4/23

Right Out: 6766.823+/-1.208 χ^2/NDF : 3855535.8/30

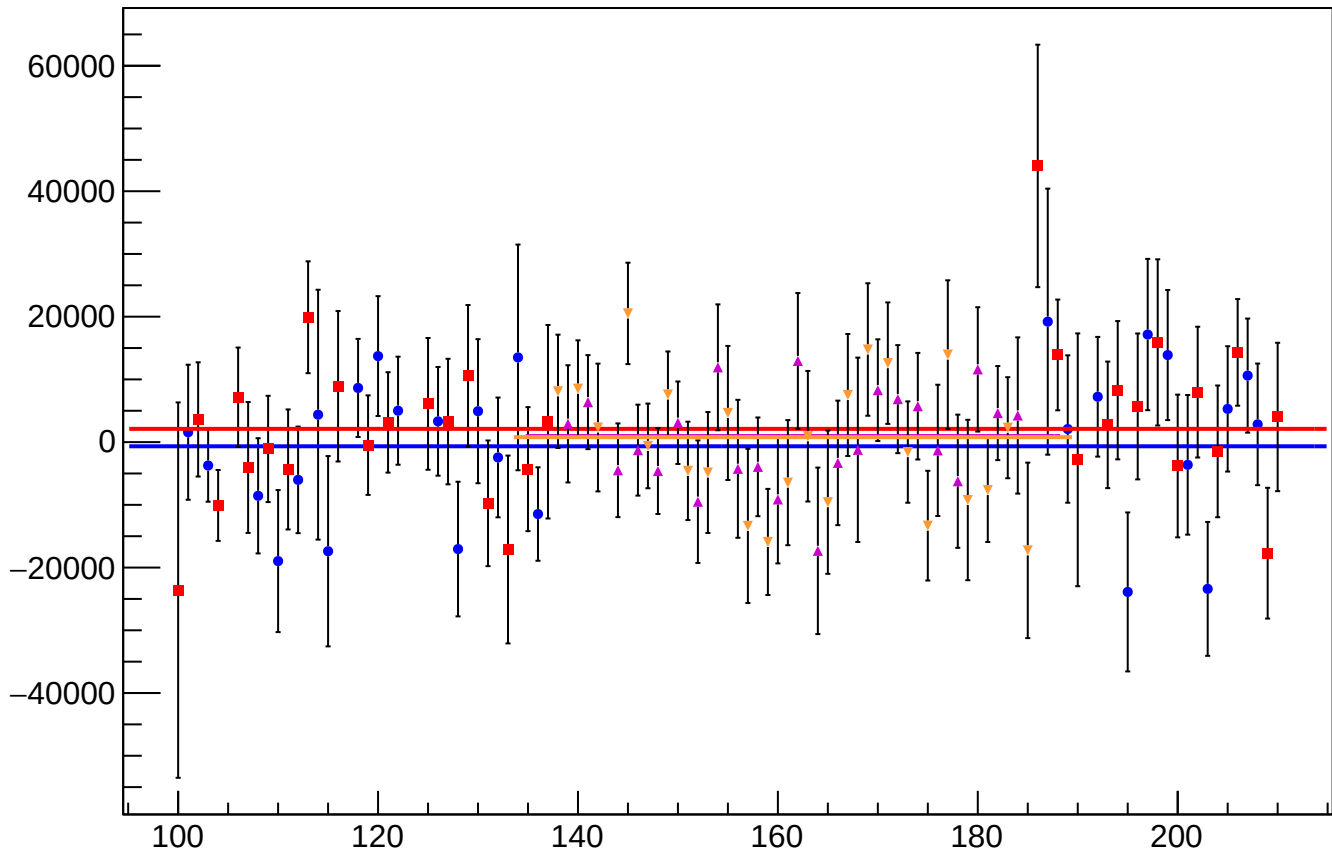
Left In: 8022.738+/-1.352 χ^2/NDF : 1225553.6/22

+ sign 7666.440+/-0.953 χ^2/NDF : 3369512.8/50

All: 7485.721+/-0.655 χ^2/NDF : 8998465.4/10

- sign 7324.212+/-0.901 χ^2/NDF : 5560845.4/53

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -664.734 ± 1910.805 χ^2/NDF : 30.8/26

Left Out: 791.264 ± 1865.111 χ^2/NDF : 27.2/23

Right Out: 2114.465 ± 1806.003 χ^2/NDF : 29.8/30

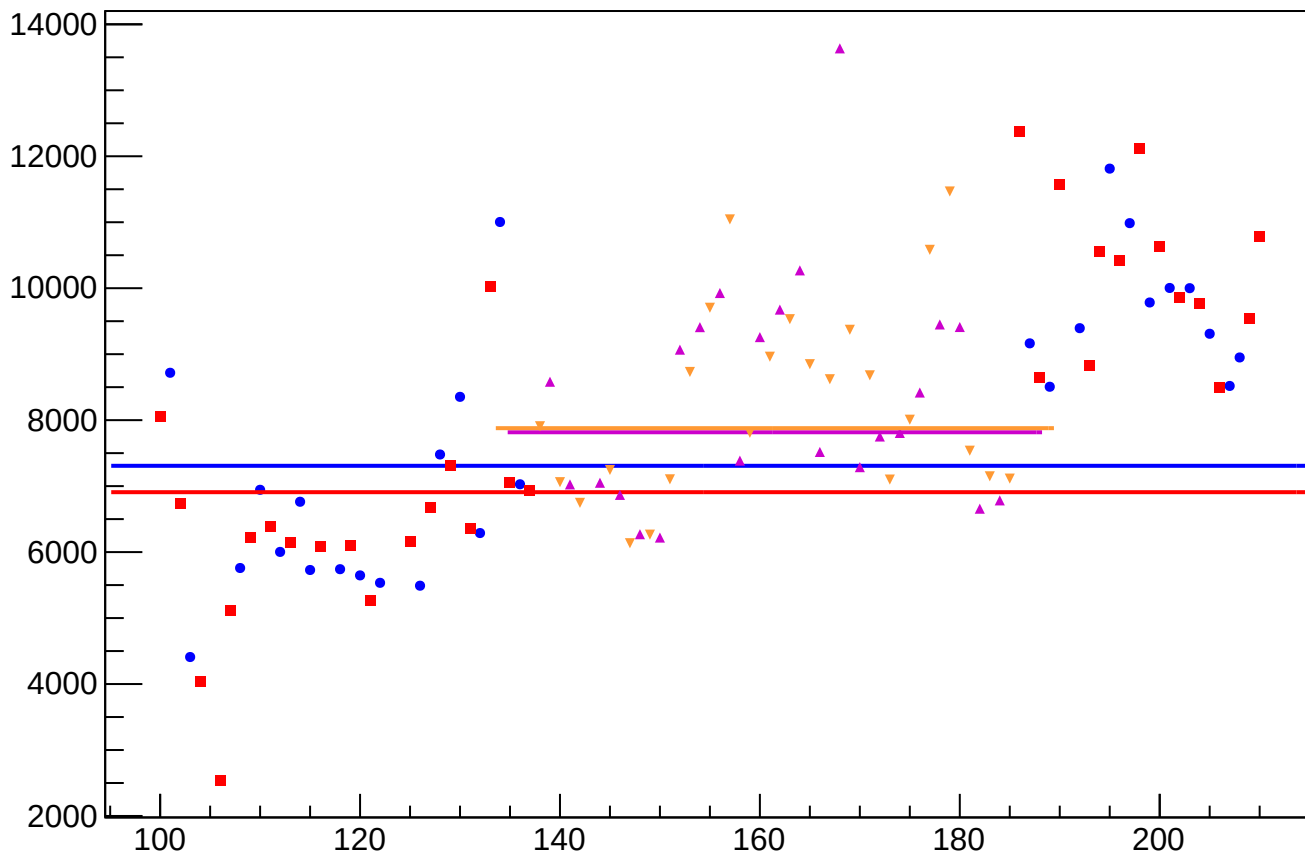
Left In: 963.967 ± 1859.926 χ^2/NDF : 12.8/22

+ sign 80.882 ± 1334.695 χ^2/NDF : 58.2/50

All: 840.385 ± 929.671 χ^2/NDF : 101.7/104

- sign 1556.136 ± 1295.681 χ^2/NDF : 42.8/53

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7308.012 $\pm$ 1.351 χ^2 /NDF: 2210434.9/26

Left Out: 7878.482 $\pm$ 1.319 χ^2 /NDF:990058.5/23

Right Out: 6908.134 $\pm$ 1.246 χ^2 /NDF: 4088800.7/30

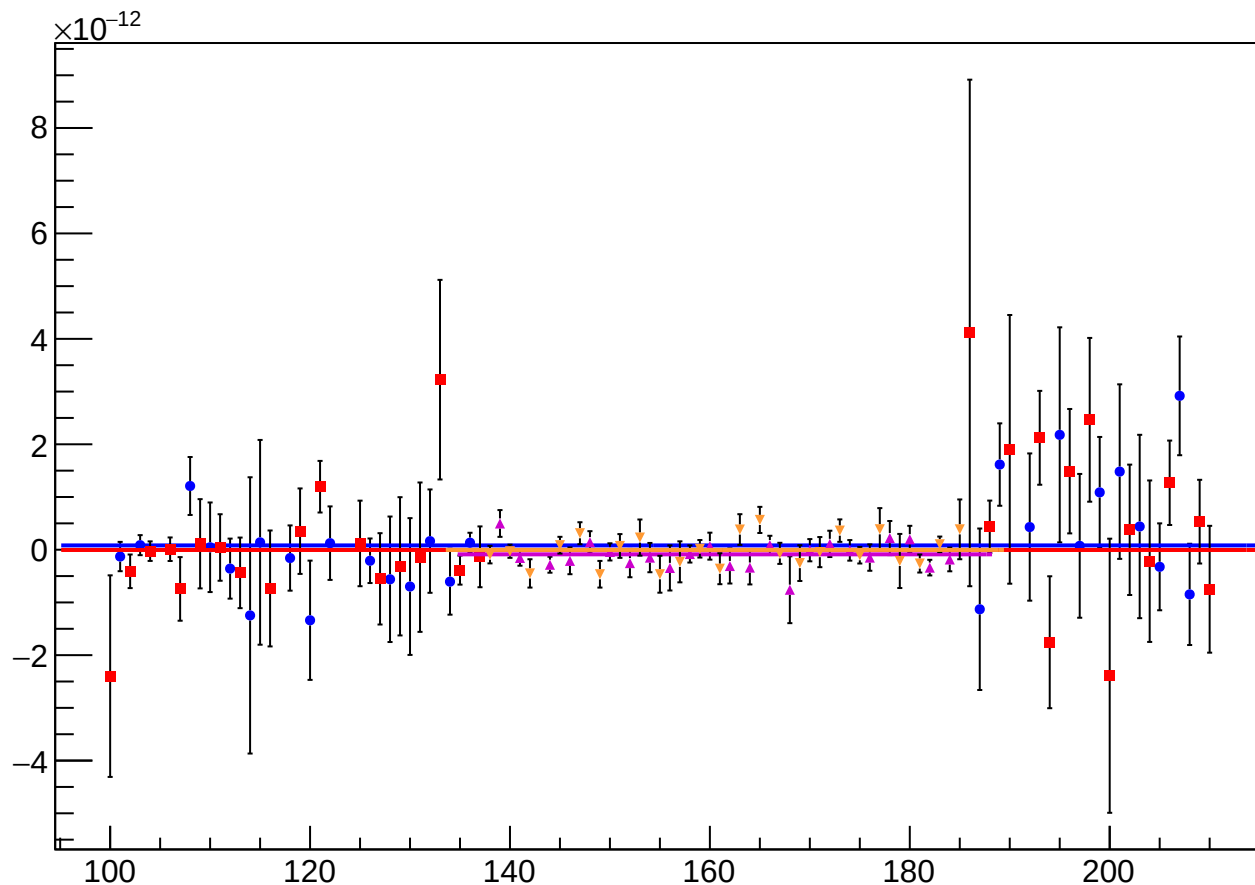
Left In: 7816.447 $\pm$ 1.315 χ^2 /NDF:1132368.2/22

+ sign 7600.149 $\pm$ 0.944 χ^2 /NDF: 3291782.5/50

All: 7463.484 $\pm$ 0.653 χ^2 /NDF: 8804485.5/10

- sign 7337.912 $\pm$ 0.905 χ^2 /NDF: 5472466.8/53

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.6/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:28.6/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.4/30

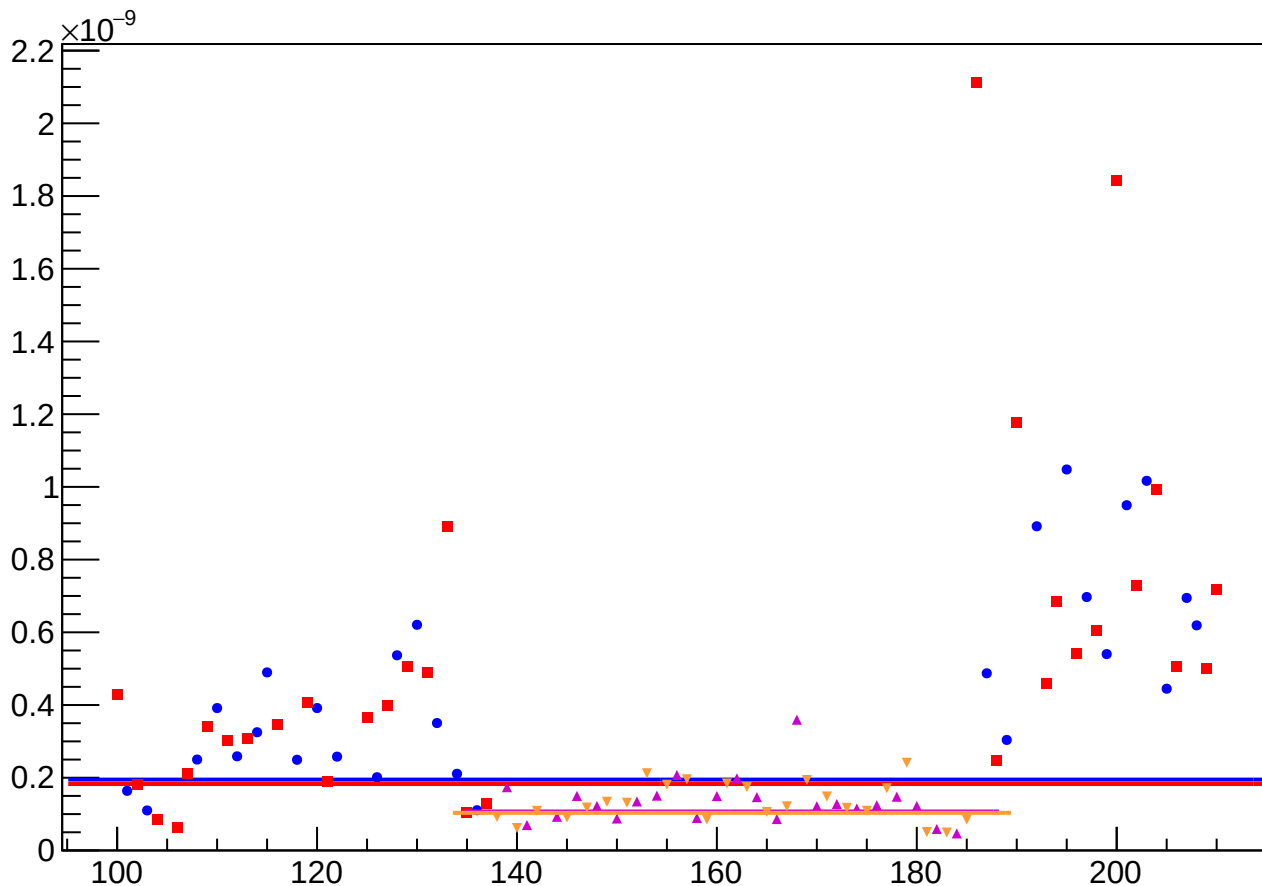
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:19.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 53.8/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 111.2/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 55.3/53

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4828292.1/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 6803442.6/30

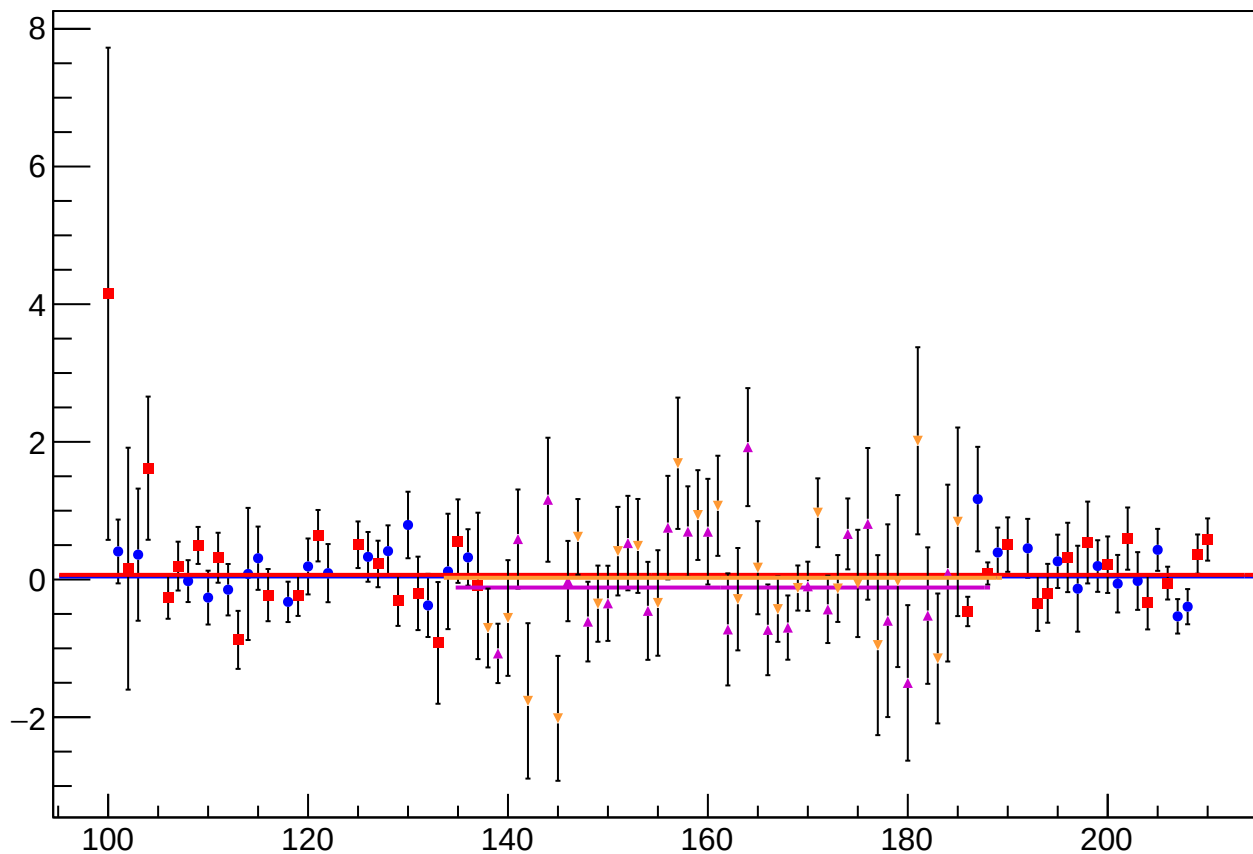
Left In: 0.000+/-0.000 χ^2/NDF : 1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 8147082.9/50

All: 0.000+/-0.000 χ^2/NDF : 17553692.2/104

- sign 0.000+/-0.000 χ^2/NDF : 9403741.4/53

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.044 $\pm$ 0.076 χ^2 /NDF: 23.6/26

Left Out: 0.025 $\pm$ 0.134 χ^2 /NDF: 29.1/23

Right Out: 0.068 $\pm$ 0.063 χ^2 /NDF: 38.3/30

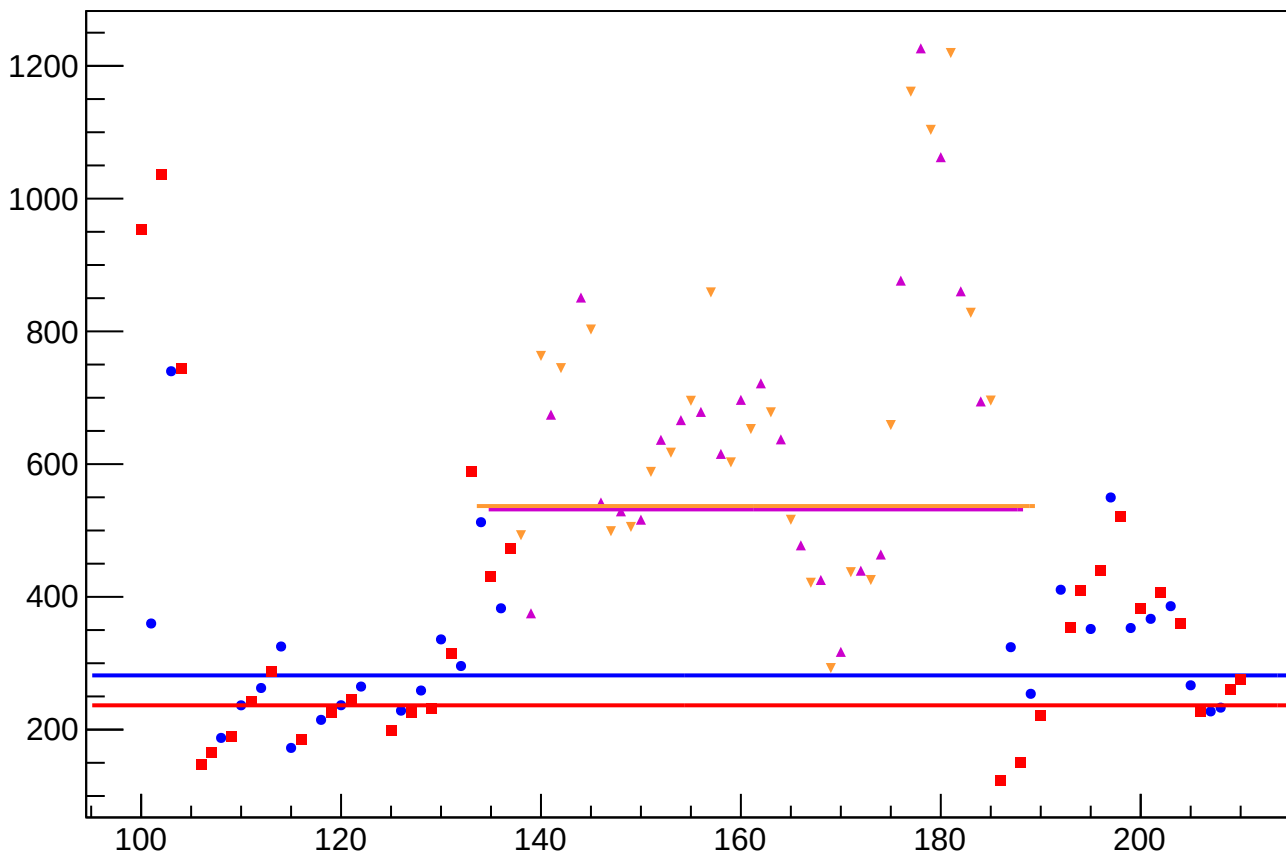
Left In: -0.117 $\pm$ 0.132 χ^2 /NDF: 27.8/22

+ sign 0.040 $\pm$ 0.066 χ^2 /NDF: 52.7/50

All: 0.036 $\pm$ 0.043 χ^2 /NDF: 120.4/104

- sign 0.033 $\pm$ 0.057 χ^2 /NDF: 67.7/53

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 281.682 $\pm$ 0.053 χ^2 /NDF: 2421028.1/26

Left Out: 536.821 $\pm$ 0.095 χ^2 /NDF: 3963242.1/23

Right Out: 236.601 $\pm$ 0.045 χ^2 /NDF: 5237728.8/30

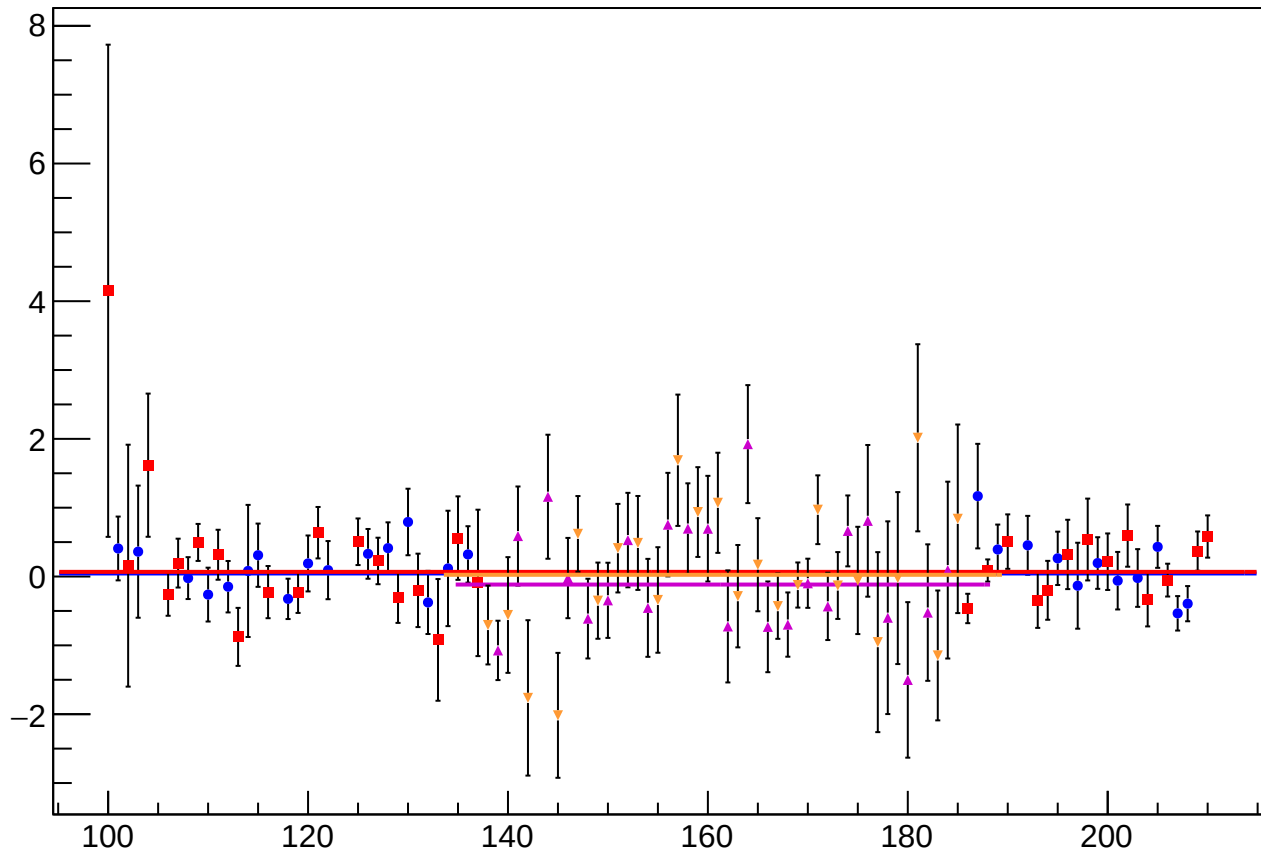
Left In: 531.769 $\pm$ 0.094 χ^2 /NDF: 3381209.0/22

+ sign 343.245 $\pm$ 0.047 χ^2 /NDF: 11887787.5/50

All: 313.862 $\pm$ 0.031 χ^2 /NDF: 29285218.2/10

- sign 291.656 $\pm$ 0.040 χ^2 /NDF: 16697379.8/53

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044 $\pm$ 0.076 χ^2 /NDF: 23.6/26

Left Out: 0.025 $\pm$ 0.134 χ^2 /NDF: 29.1/23

Right Out: 0.068 $\pm$ 0.063 χ^2 /NDF: 38.3/30

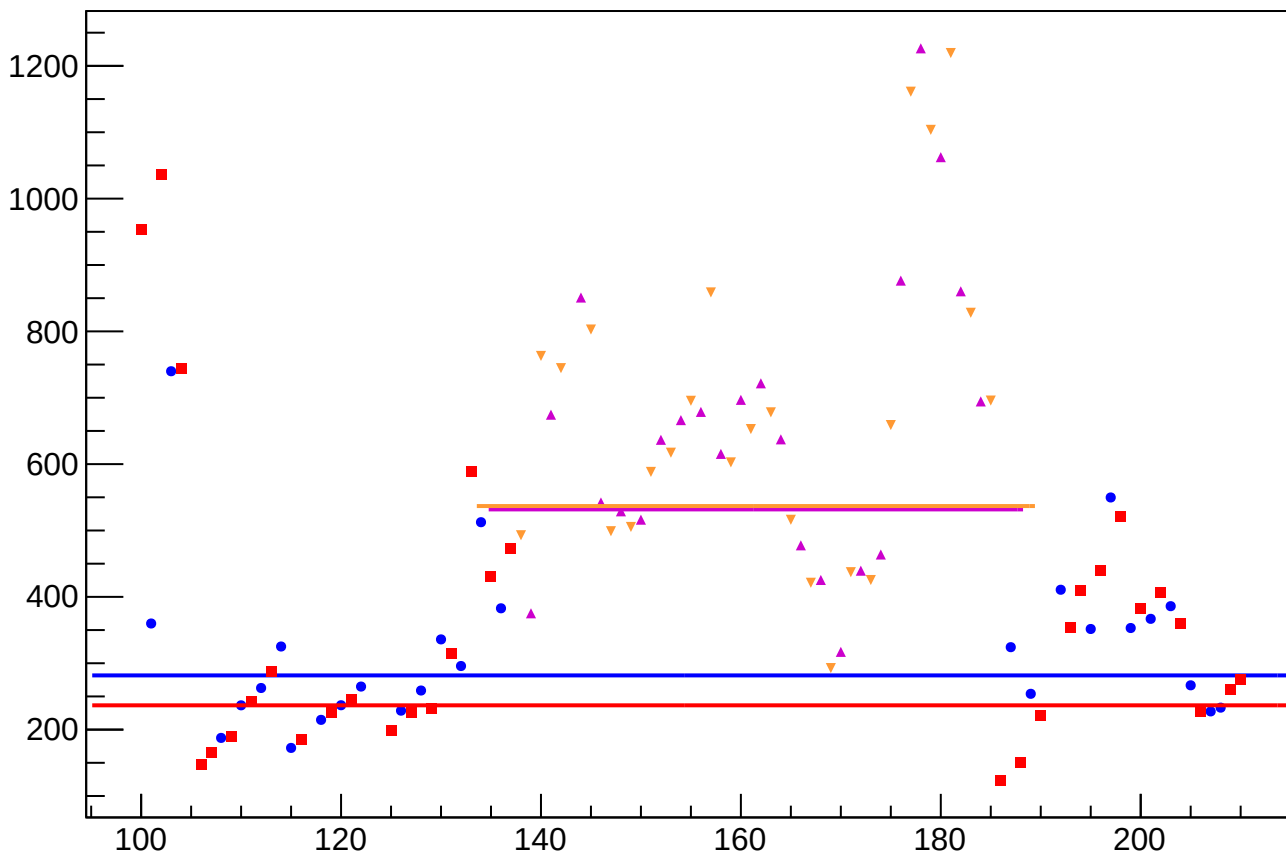
Left In: -0.117 $\pm$ 0.132 χ^2 /NDF: 27.8/22

+ sign 0.040 $\pm$ 0.066 χ^2 /NDF: 52.7/50

All: 0.036 $\pm$ 0.043 χ^2 /NDF: 120.4/104

- sign 0.033 $\pm$ 0.057 χ^2 /NDF: 67.7/53

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 281.682 $\pm$ 0.053 χ^2/NDF : 2421028.1/26

Left Out: 536.821 $\pm$ 0.095 χ^2/NDF : 3963242.1/23

Right Out: 236.601 $\pm$ 0.045 χ^2/NDF : 5237728.8/30

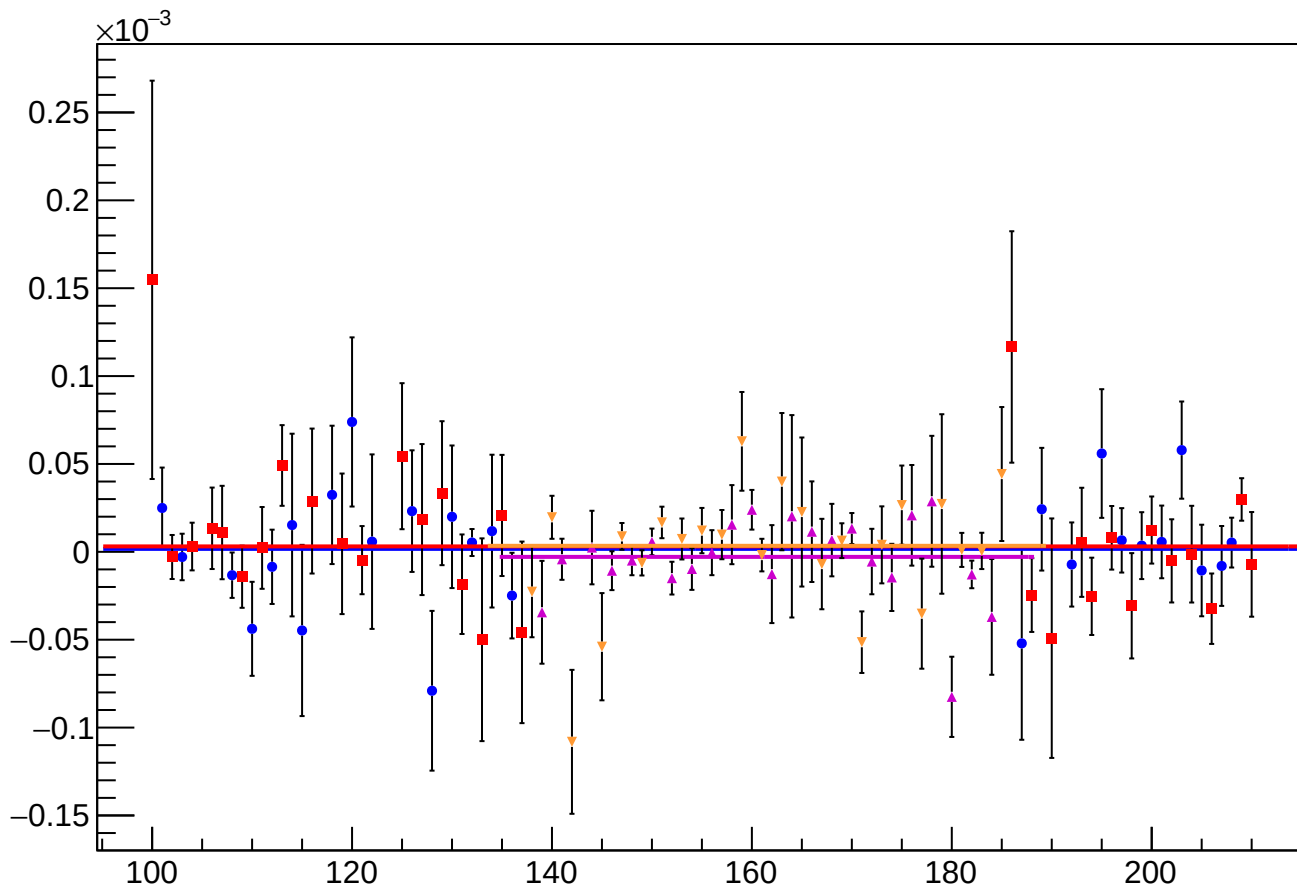
Left In: 531.769 $\pm$ 0.094 χ^2/NDF : 3381209.0/22

+ sign 343.245 $\pm$ 0.047 χ^2/NDF : 11887787.5/50

All: 313.862 $\pm$ 0.031 χ^2/NDF : 29285218.2/10

- sign 291.656 $\pm$ 0.040 χ^2/NDF : 16697379.8/53

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:39.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.5/30

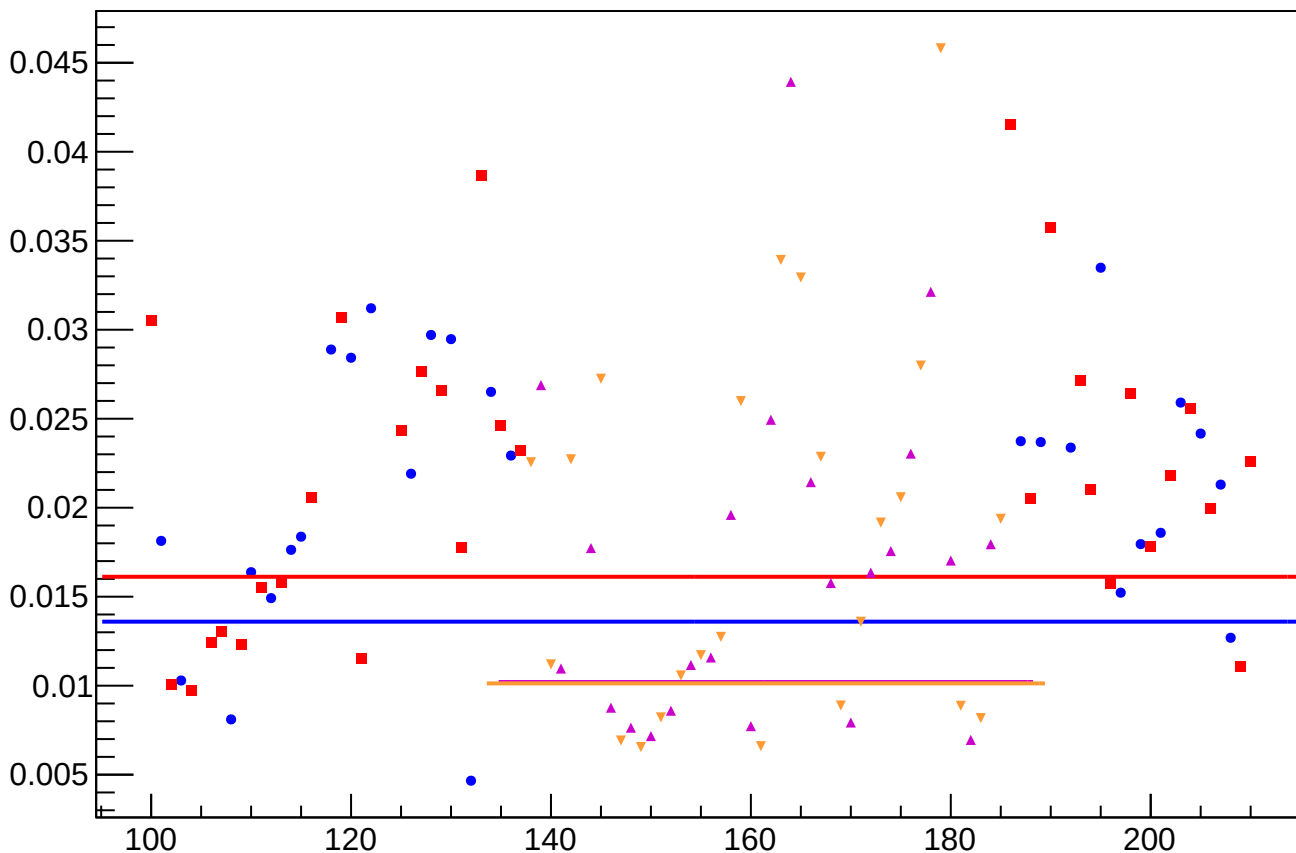
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:32.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 62.3/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 126.8/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 63.0/53

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 7581868.3/26

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 7812047.6/23

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 4363393.9/30

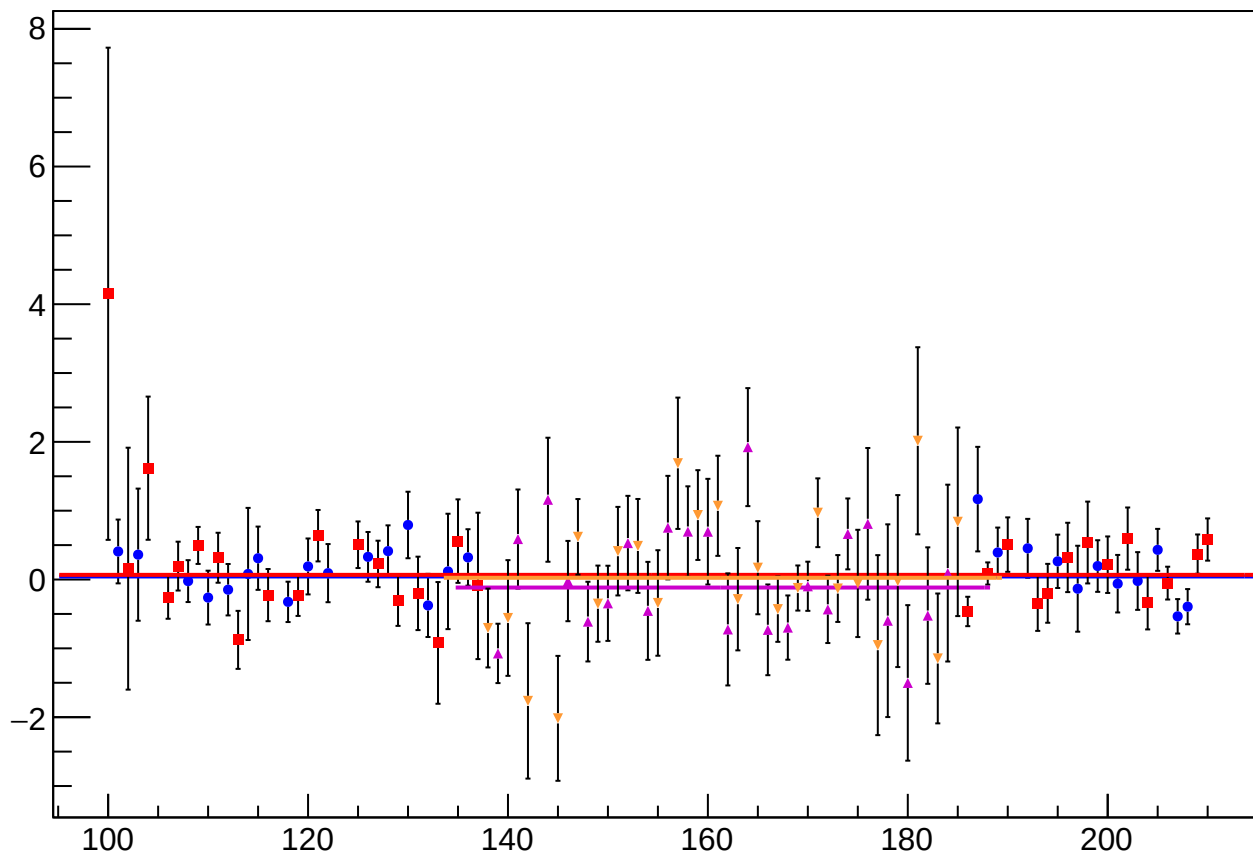
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 6075883.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 16410870.9/50

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 29724152.7/104

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 13199860.5/53

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.044 $\pm$ 0.076 χ^2 /NDF: 23.6/26

Left Out: 0.025 $\pm$ 0.134 χ^2 /NDF: 29.1/23

Right Out: 0.068 $\pm$ 0.063 χ^2 /NDF: 38.3/30

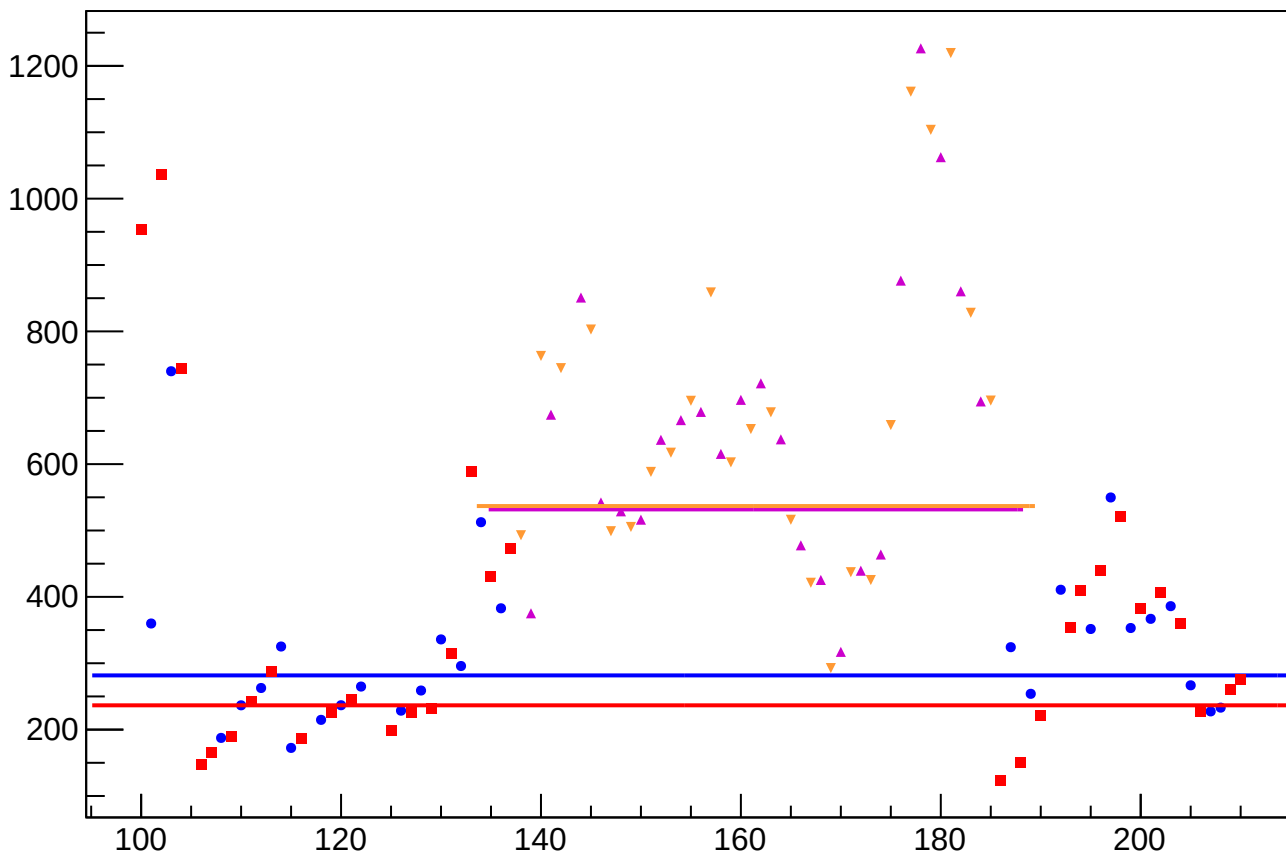
Left In: -0.117 $\pm$ 0.132 χ^2 /NDF: 27.8/22

+ sign 0.040 $\pm$ 0.066 χ^2 /NDF: 52.7/50

All: 0.036 $\pm$ 0.043 χ^2 /NDF: 120.4/104

- sign 0.033 $\pm$ 0.057 χ^2 /NDF: 67.7/53

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 281.681 $\pm$ 0.053 χ^2 /NDF: 2421020.0/26

Left Out: 536.822 $\pm$ 0.095 χ^2 /NDF: 3963422.5/23

Right Out: 236.598 $\pm$ 0.045 χ^2 /NDF: 5237868.6/30

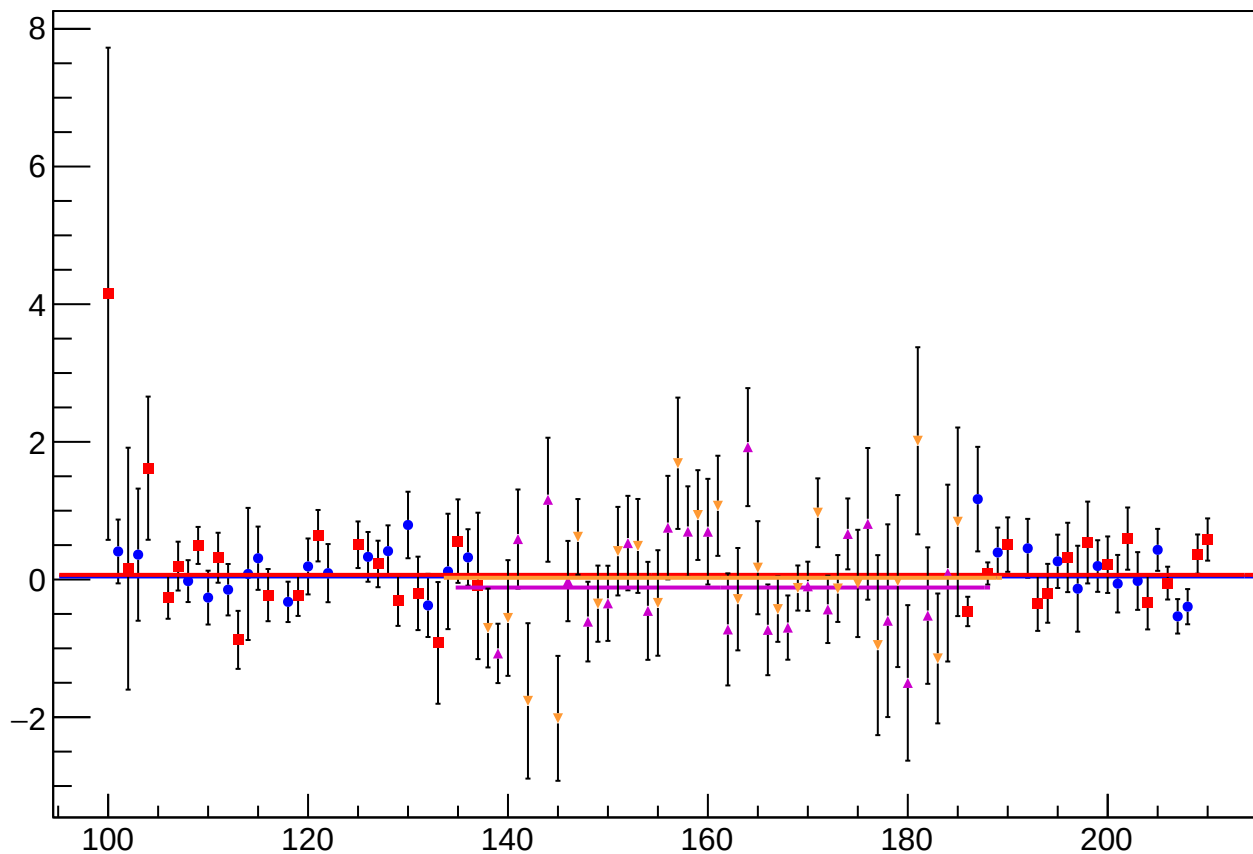
Left In: 531.773 $\pm$ 0.094 χ^2 /NDF: 3381293.8/22

+ sign 343.244 $\pm$ 0.047 χ^2 /NDF: 11888005.1/50

All: 313.859 $\pm$ 0.031 χ^2 /NDF: 29285950.3/10

- sign 291.653 $\pm$ 0.040 χ^2 /NDF: 16697847.5/53

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044 $\pm$ 0.076 χ^2 /NDF: 23.6/26

Left Out: 0.025 $\pm$ 0.134 χ^2 /NDF: 29.1/23

Right Out: 0.068 $\pm$ 0.063 χ^2 /NDF: 38.3/30

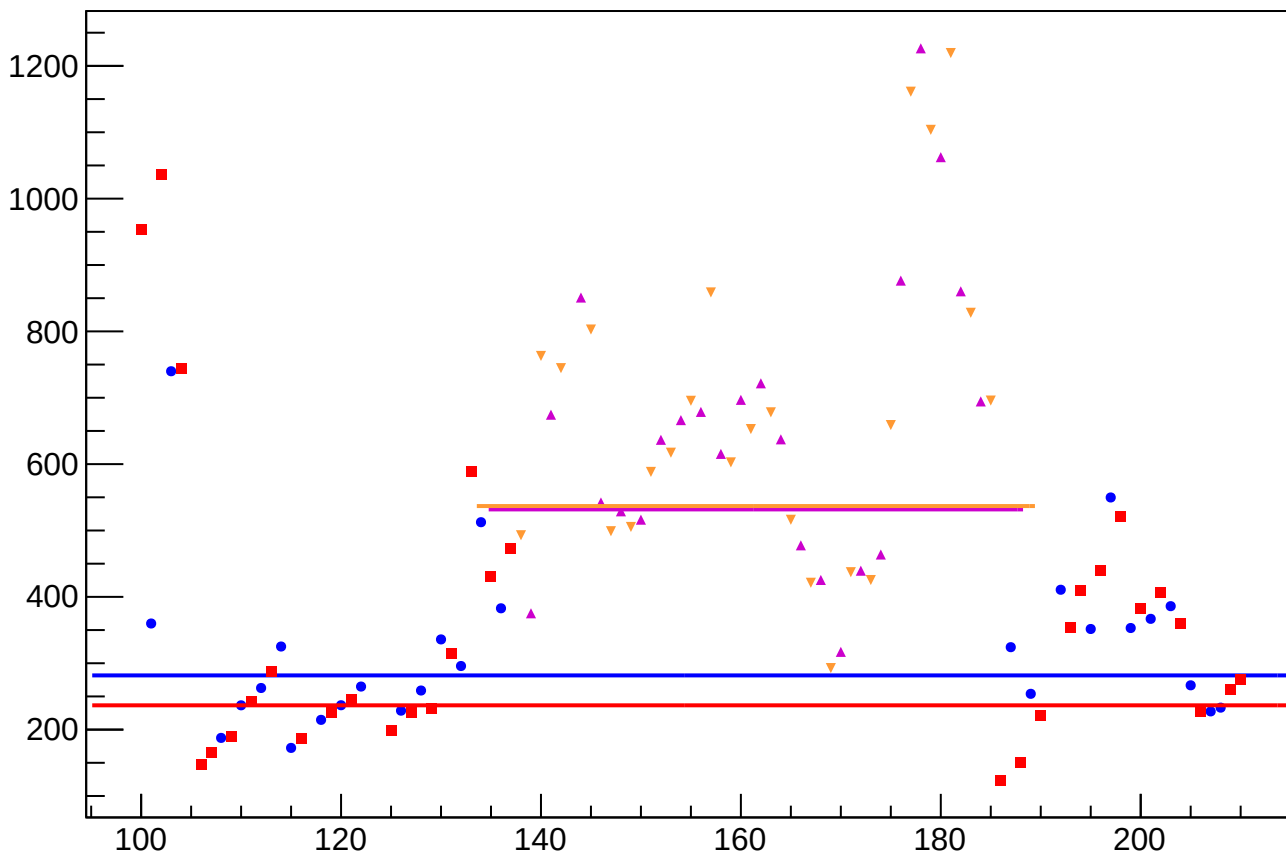
Left In: -0.117 $\pm$ 0.132 χ^2 /NDF: 27.8/22

+ sign 0.040 $\pm$ 0.066 χ^2 /NDF: 52.7/50

All: 0.036 $\pm$ 0.043 χ^2 /NDF: 120.4/104

- sign 0.033 $\pm$ 0.057 χ^2 /NDF: 67.7/53

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 281.681 $\pm$ 0.053 χ^2/NDF : 2421020.0/26

Left Out: 536.822 $\pm$ 0.095 χ^2/NDF : 3963422.5/23

Right Out: 236.598 $\pm$ 0.045 χ^2/NDF : 5237868.6/30

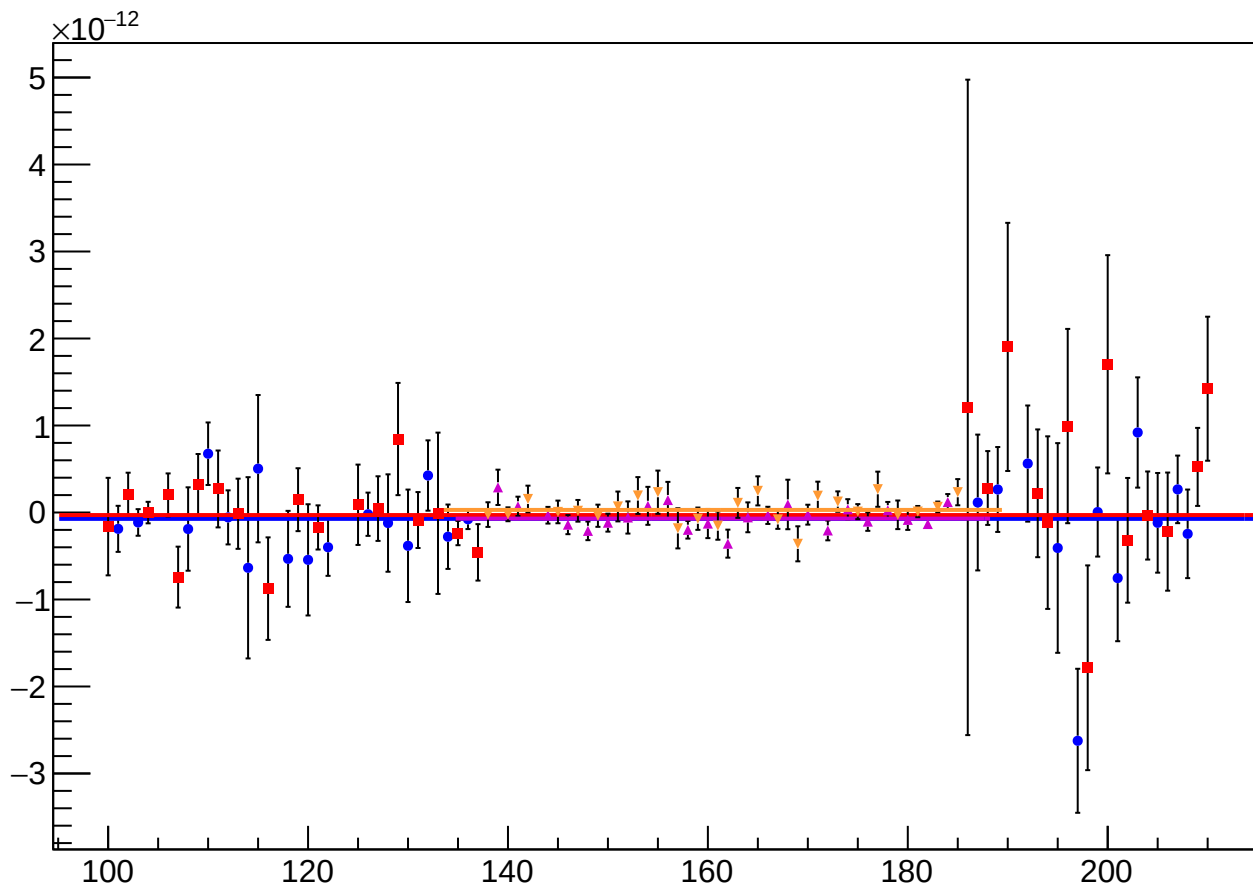
Left In: 531.773 $\pm$ 0.094 χ^2/NDF : 3381293.8/22

+ sign 343.244 $\pm$ 0.047 χ^2/NDF : 11888005.1/50

All: 313.859 $\pm$ 0.031 χ^2/NDF : 29285950.3/10

- sign 291.653 $\pm$ 0.040 χ^2/NDF : 16697847.5/53

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.0/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:17.7/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.4/30

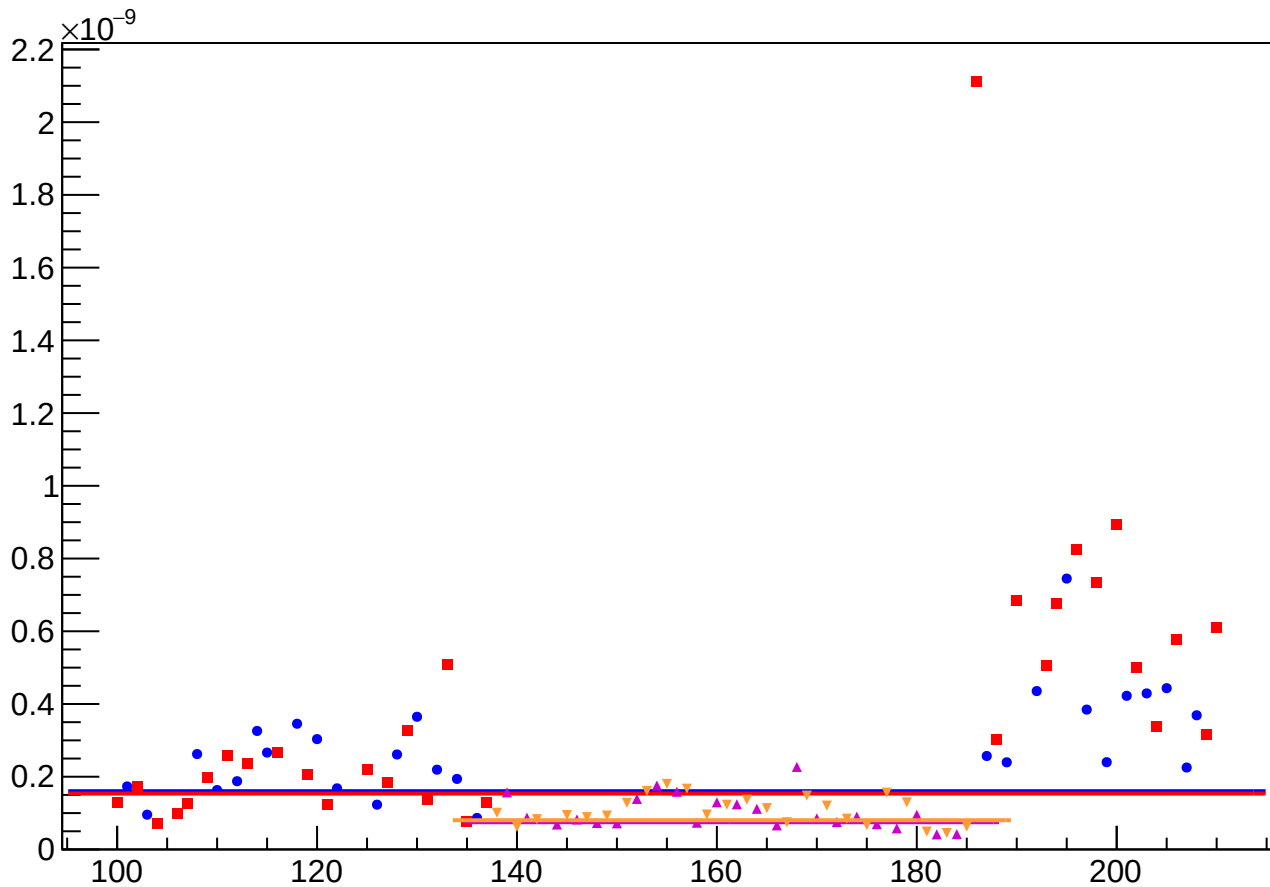
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:23.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.0/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 103.9/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 52.2/53

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4687069.4/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8852963.2/30

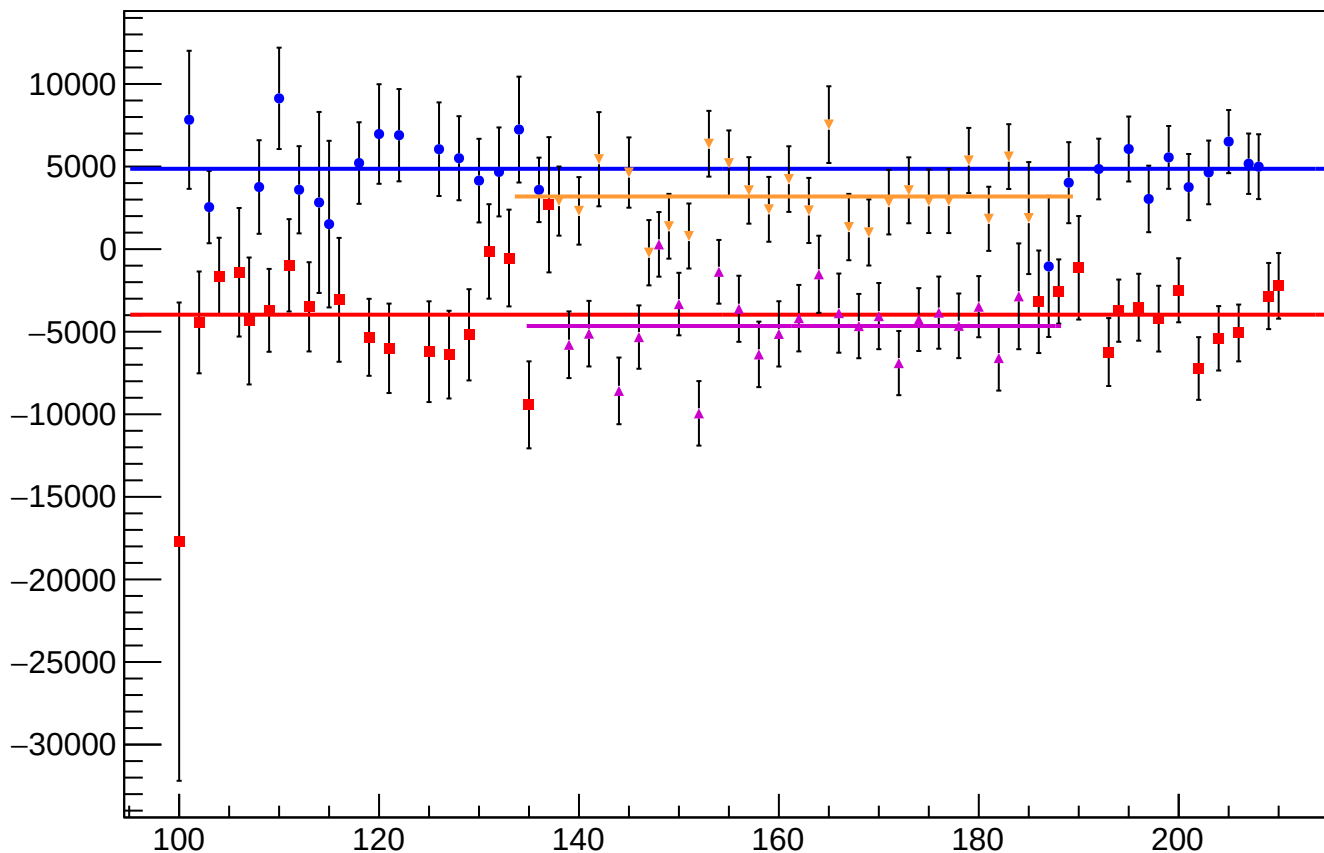
Left In: 0.000+/-0.000 χ^2/NDF : 3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 11112368.8/50

All: 0.000+/-0.000 χ^2/NDF : 26585312.3/104

- sign 0.000+/-0.000 χ^2/NDF : 15407793.2/53

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4864.530 $\pm$ 461.468 χ^2 /NDF: 11.3/26

Left Out: 3187.125 $\pm$ 418.619 χ^2 /NDF:19.9/23

Right Out: -3969.120 $\pm$ 438.664 χ^2 /NDF: 24.5/30

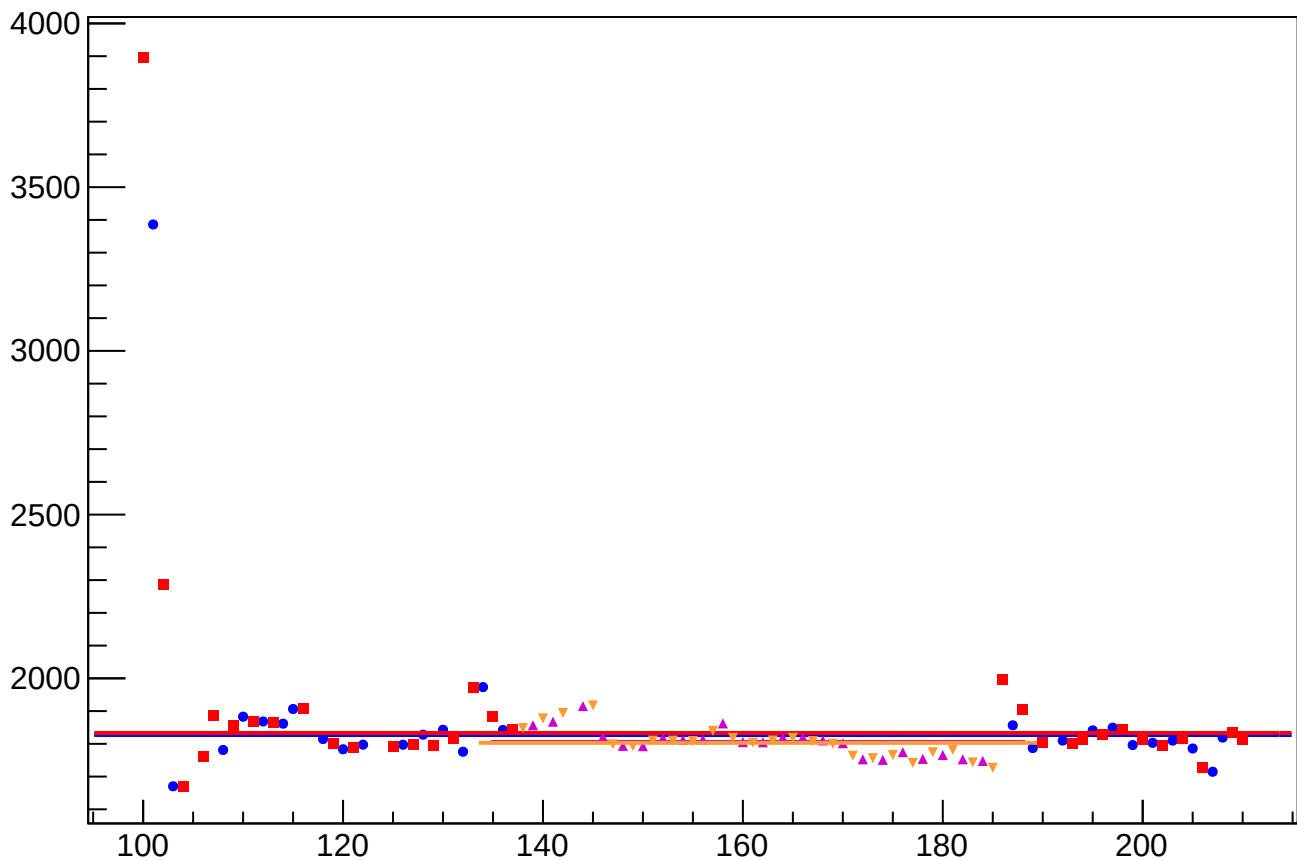
Left In: -4655.206 $\pm$ 421.691 χ^2 /NDF:27.7/22

+ sign 3944.352 $\pm$ 310.053 χ^2 /NDF: 38.4/50

All: -272.126 $\pm$ 217.070 χ^2 /NDF: 454.6/104

- sign -4325.693 $\pm$ 304.004 χ^2 /NDF: 53.4/53

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1826.927 $\pm$ 0.326 χ^2 /NDF: 307272.7/26

Left Out: 1803.115 $\pm$ 0.296 χ^2 /NDF:20641.1/23

Right Out: 1833.140 $\pm$ 0.310 χ^2 /NDF: 121597.1/30

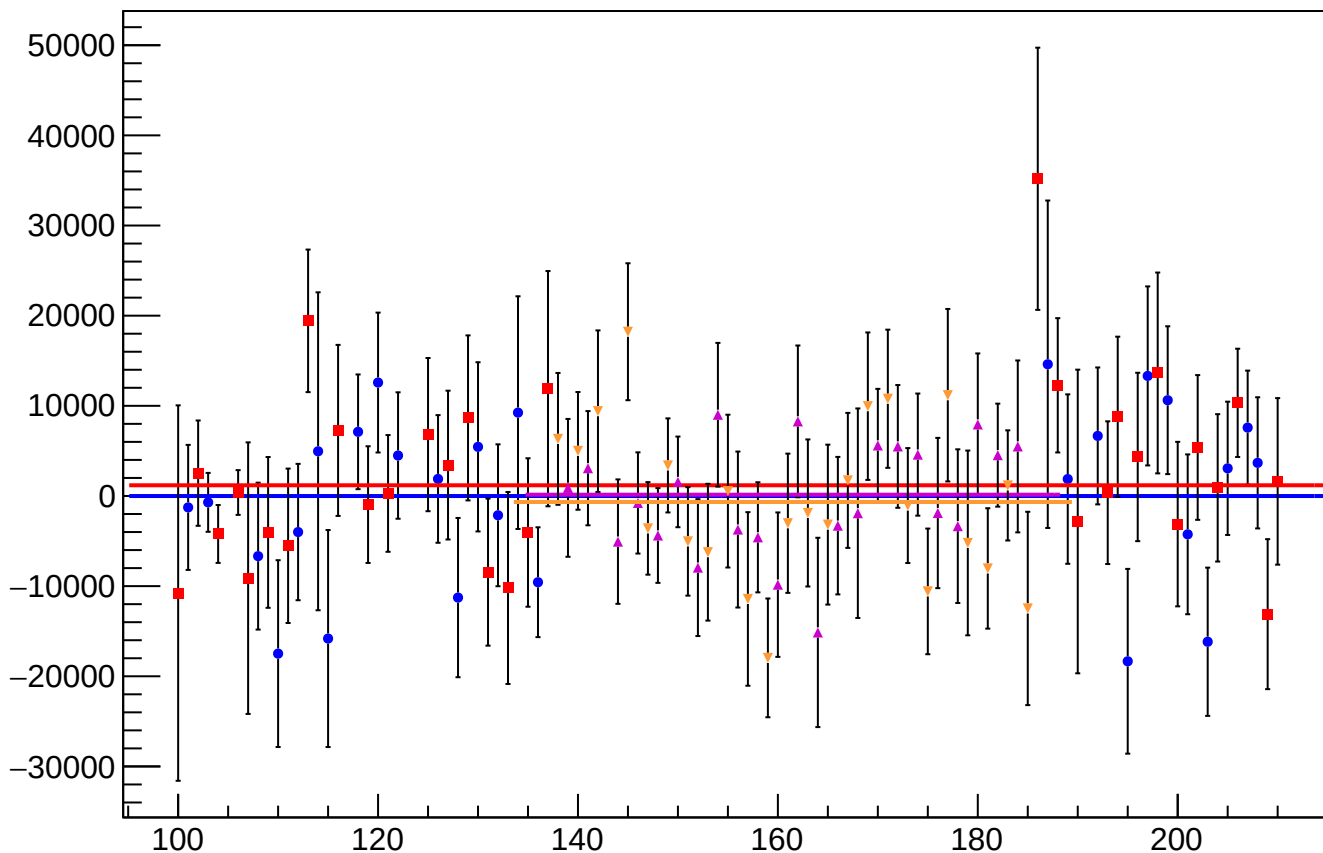
Left In: 1805.559 $\pm$ 0.298 χ^2 /NDF:19314.7/22

+ sign 1813.864 $\pm$ 0.219 χ^2 /NDF: 330835.1/50

All: 1816.393 $\pm$ 0.153 χ^2 /NDF: 476122.3/104

- sign 1818.822 $\pm$ 0.215 χ^2 /NDF: 145026.3/53

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug



Right In: -6.354 ± 1447.501 χ^2/NDF : 29.2/26

Left Out: -667.243 ± 1478.798 χ^2/NDF : 29.8/23

Right Out: 1186.842 ± 1236.459 χ^2/NDF : 31.1/30

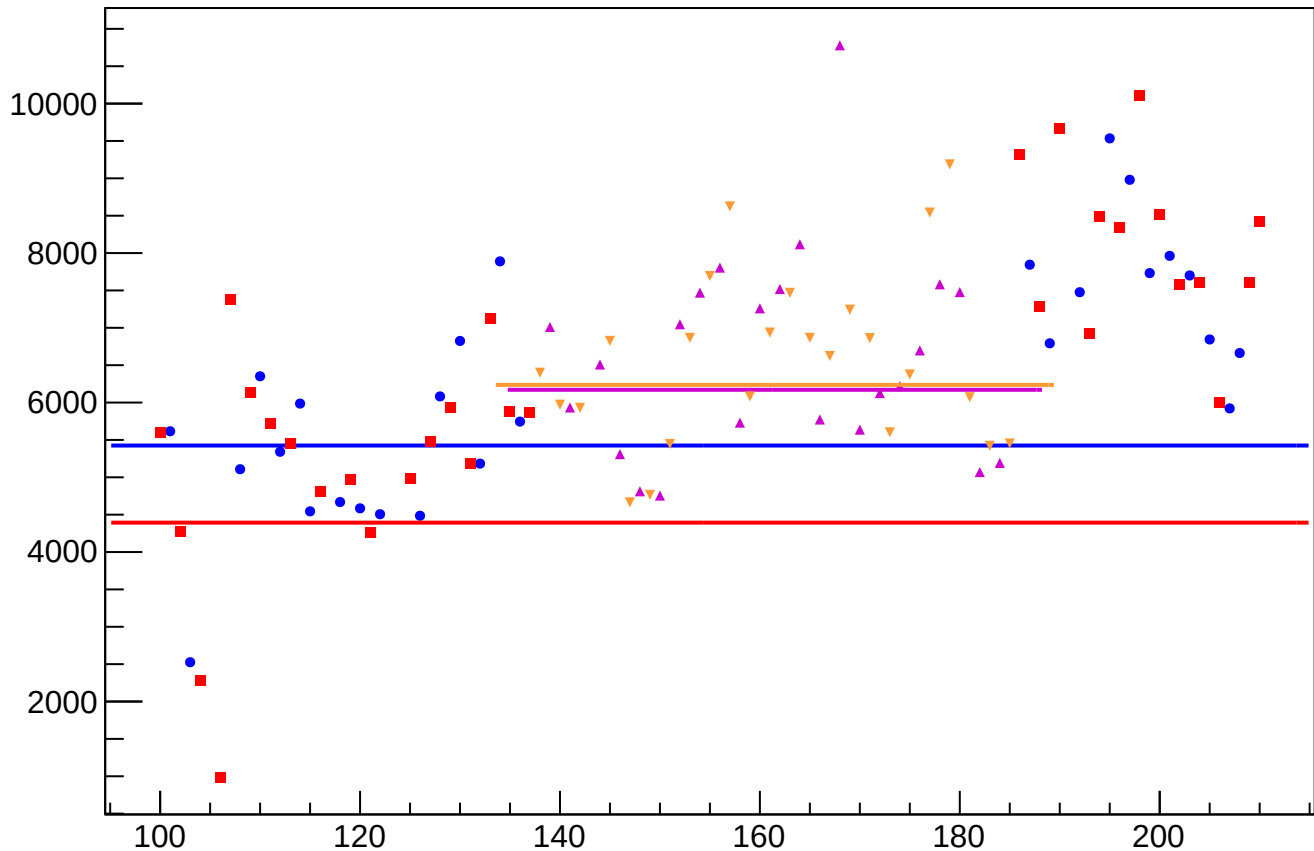
Left In: 143.435 ± 1471.371 χ^2/NDF : 13.6/22

+ sign -329.731 ± 1034.426 χ^2/NDF : 59.0/50

All: 260.618 ± 698.337 χ^2/NDF : 104.6/104

- sign 754.981 ± 946.602 χ^2/NDF : 44.9/53

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug



Right In: 5424.955+/-1.024 χ^2/NDF : 3286574.4/26

Left Out: 6236.636+/-1.046 χ^2/NDF : 1067659.4/23

Right Out: 4393.480+/-0.874 χ^2/NDF : 9362789.2/30

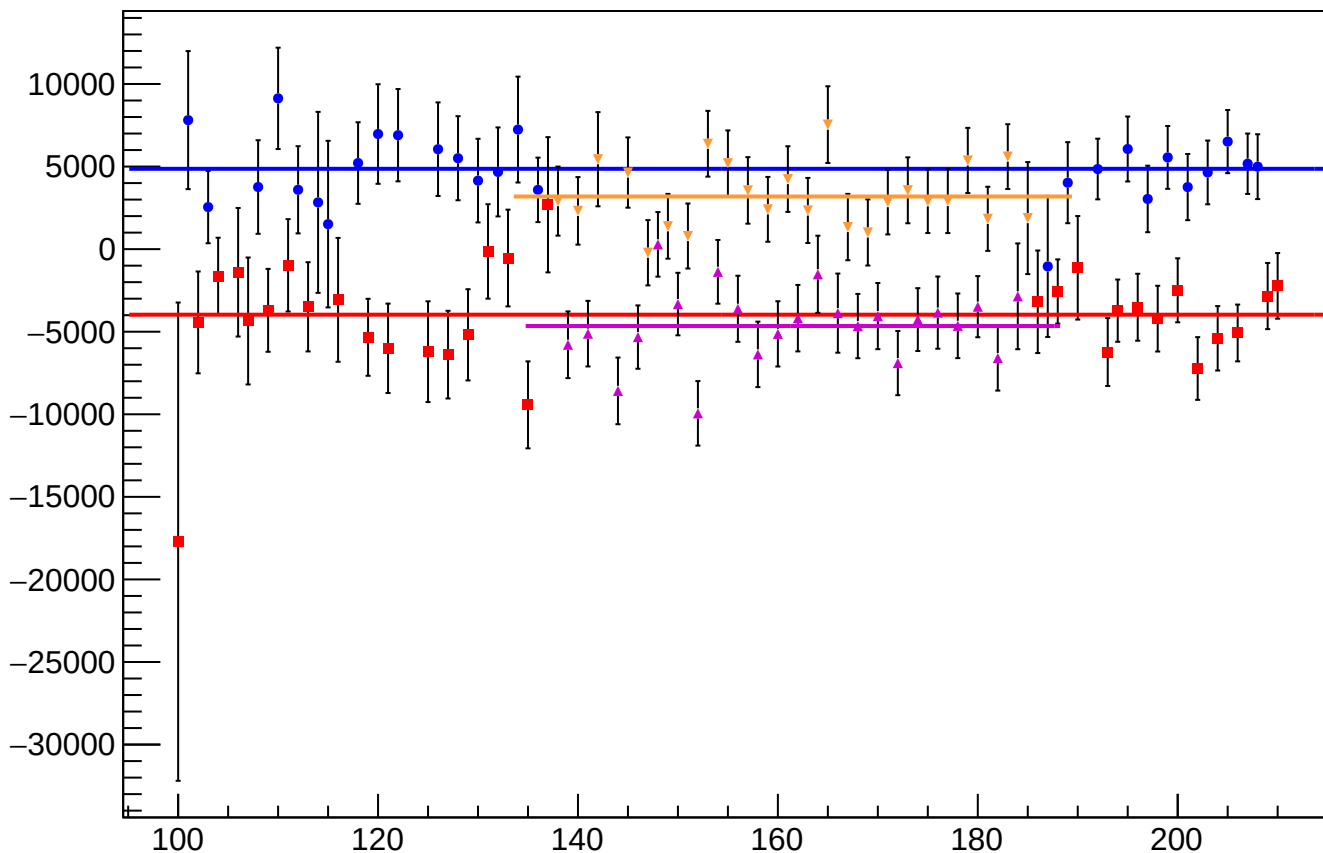
Left In: 6170.791+/-1.040 χ^2/NDF : 1237554.5/22

+ sign 5822.116+/-0.731 χ^2/NDF : 4661945.2/50

All: 5444.945+/-0.494 χ^2/NDF : 17461203.2/100

- sign 5129.101+/-0.669 χ^2/NDF : 12310705.5/53

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4864.349 $\pm$ 461.468 χ^2 /NDF: 11.3/26

Left Out: 3187.056 $\pm$ 418.619 χ^2 /NDF:19.9/23

Right Out: -3969.038 $\pm$ 438.664 χ^2 /NDF: 24.5/30

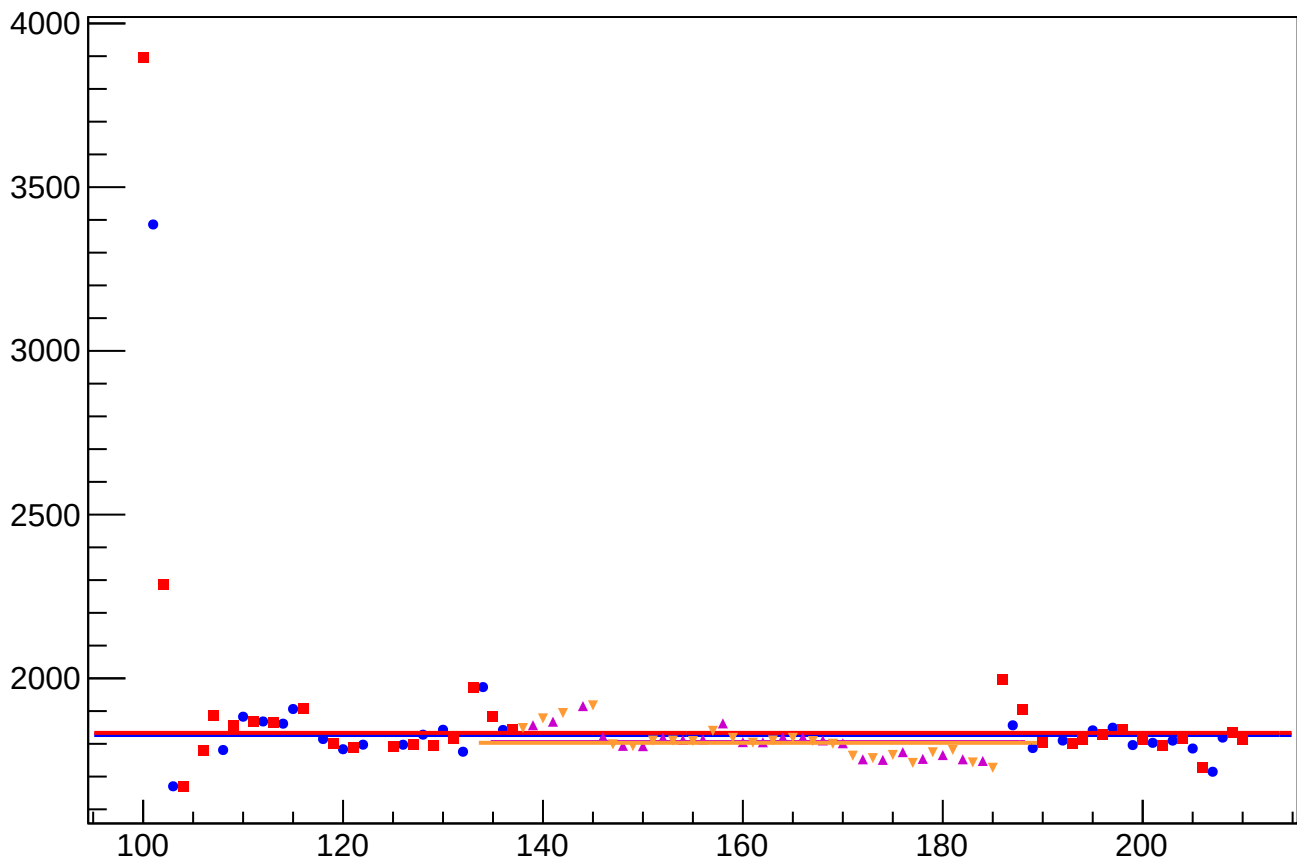
Left In: -4655.225 $\pm$ 421.691 χ^2 /NDF:27.7/22

+ sign 3944.232 $\pm$ 310.053 χ^2 /NDF: 38.4/50

All: -272.169 $\pm$ 217.070 χ^2 /NDF: 454.6/104

- sign -4325.663 $\pm$ 304.004 χ^2 /NDF: 53.4/53

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1826.927 $\pm$ 0.326 χ^2 /NDF: 307274.6/26

Left Out: 1803.115 $\pm$ 0.296 χ^2 /NDF: 20641.1/23

Right Out: 1833.417 $\pm$ 0.310 χ^2 /NDF: 121246.3/30

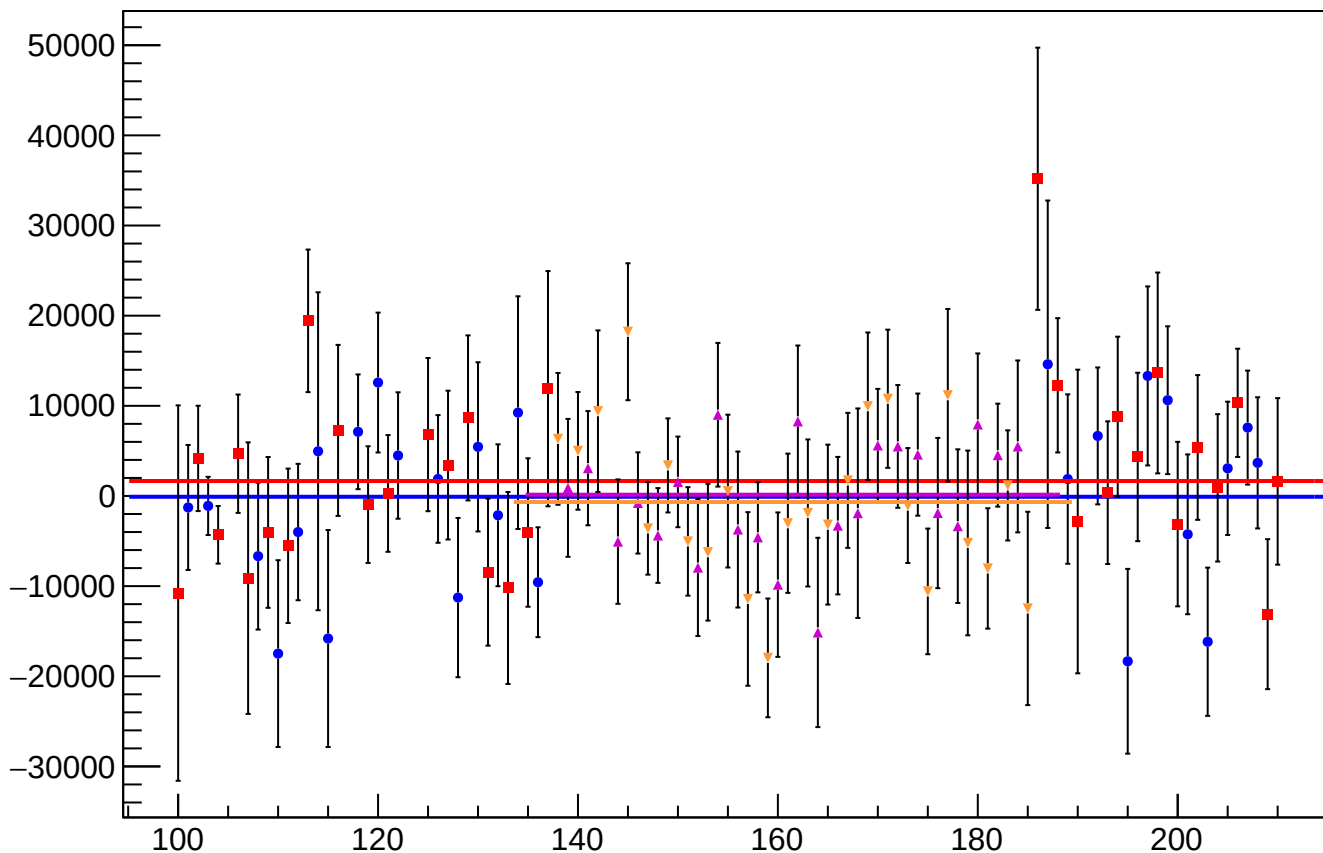
Left In: 1805.559 $\pm$ 0.298 χ^2 /NDF: 19314.6/22

+ sign 1813.864 $\pm$ 0.219 χ^2 /NDF: 330837.0/50

All: 1816.460 $\pm$ 0.153 χ^2 /NDF: 475869.7/104

- sign 1818.953 $\pm$ 0.215 χ^2 /NDF: 144757.8/53

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug



Right In: -88.926 ± 1444.013 χ^2/NDF : 29.2/26

Left Out: -667.245 ± 1478.798 χ^2/NDF : 29.8/23

Right Out: 1661.407 ± 1392.287 χ^2/NDF : 31.5/30

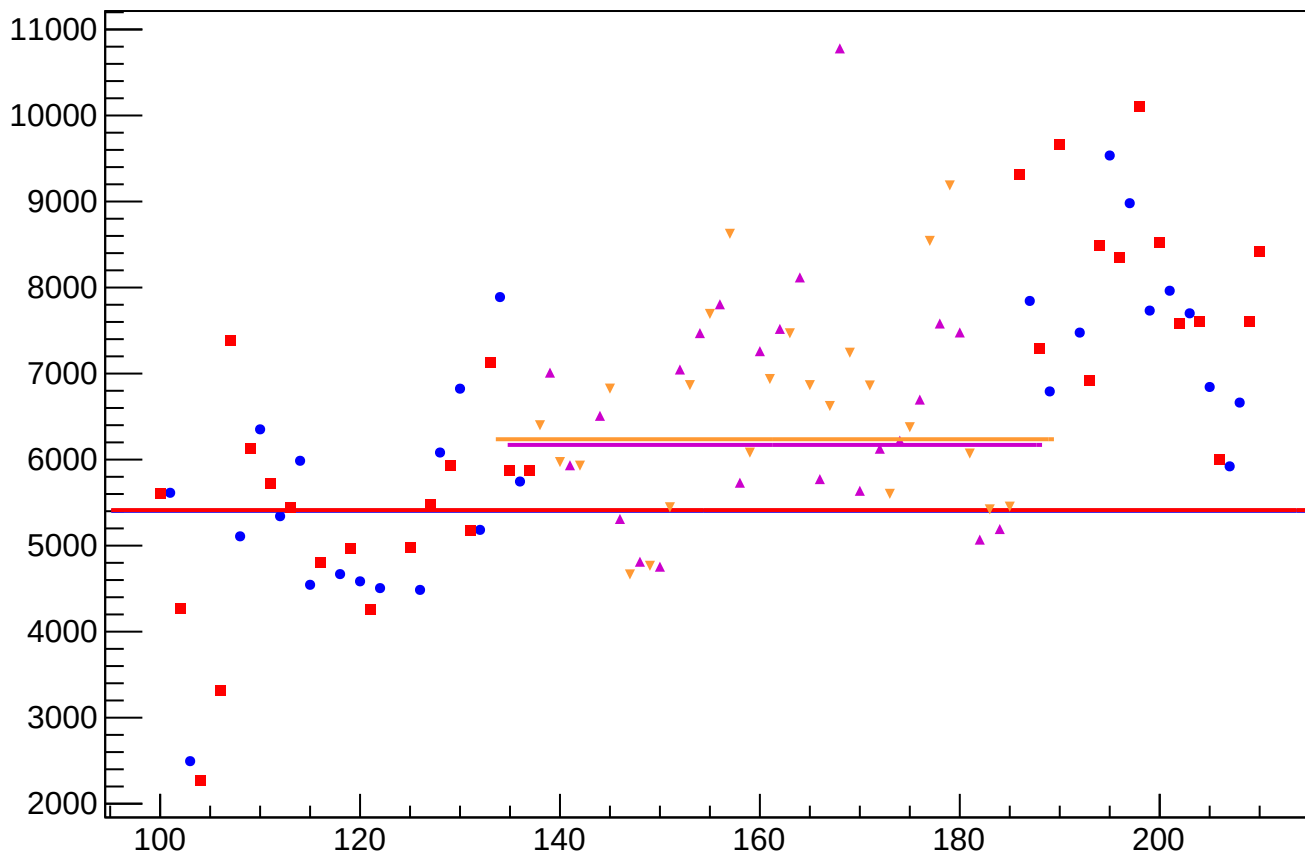
Left In: 143.369 ± 1471.371 χ^2/NDF : 13.6/22

+ sign -371.204 ± 1033.150 χ^2/NDF : 59.1/50

All: 300.596 ± 722.698 χ^2/NDF : 105.5/104

- sign 944.278 ± 1011.298 χ^2/NDF : 45.6/53

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 5404.822+/-1.021 χ^2 /NDF: 3359313.9/26

Left Out: 6236.635+/-1.046 χ^2 /NDF:1067665.4/23

Right Out: 5412.887+/-0.984 χ^2 /NDF: 4580553.8/30

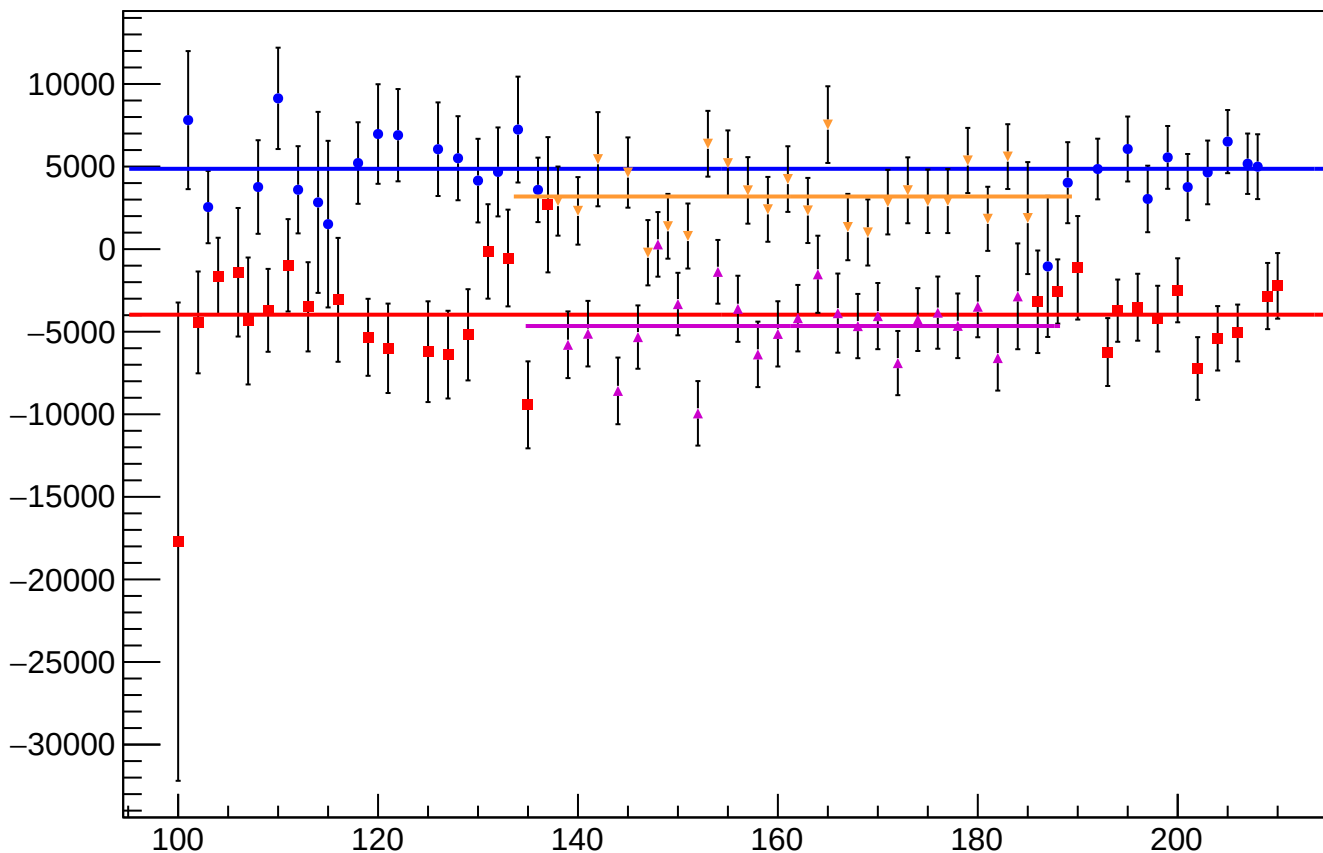
Left In: 6170.789+/-1.040 χ^2 /NDF:1237564.5/22

+ sign 5810.830+/-0.731 χ^2 /NDF: 4750907.0/50

All: 5790.450+/-0.511 χ^2 /NDF: 10850519.7/1

- sign 5770.923+/-0.715 χ^2 /NDF: 6098088.8/53

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4864.349 $\pm$ 461.468 χ^2 /NDF: 11.3/26

Left Out: 3187.056 $\pm$ 418.619 χ^2 /NDF:19.9/23

Right Out: -3969.038 $\pm$ 438.664 χ^2 /NDF: 24.5/30

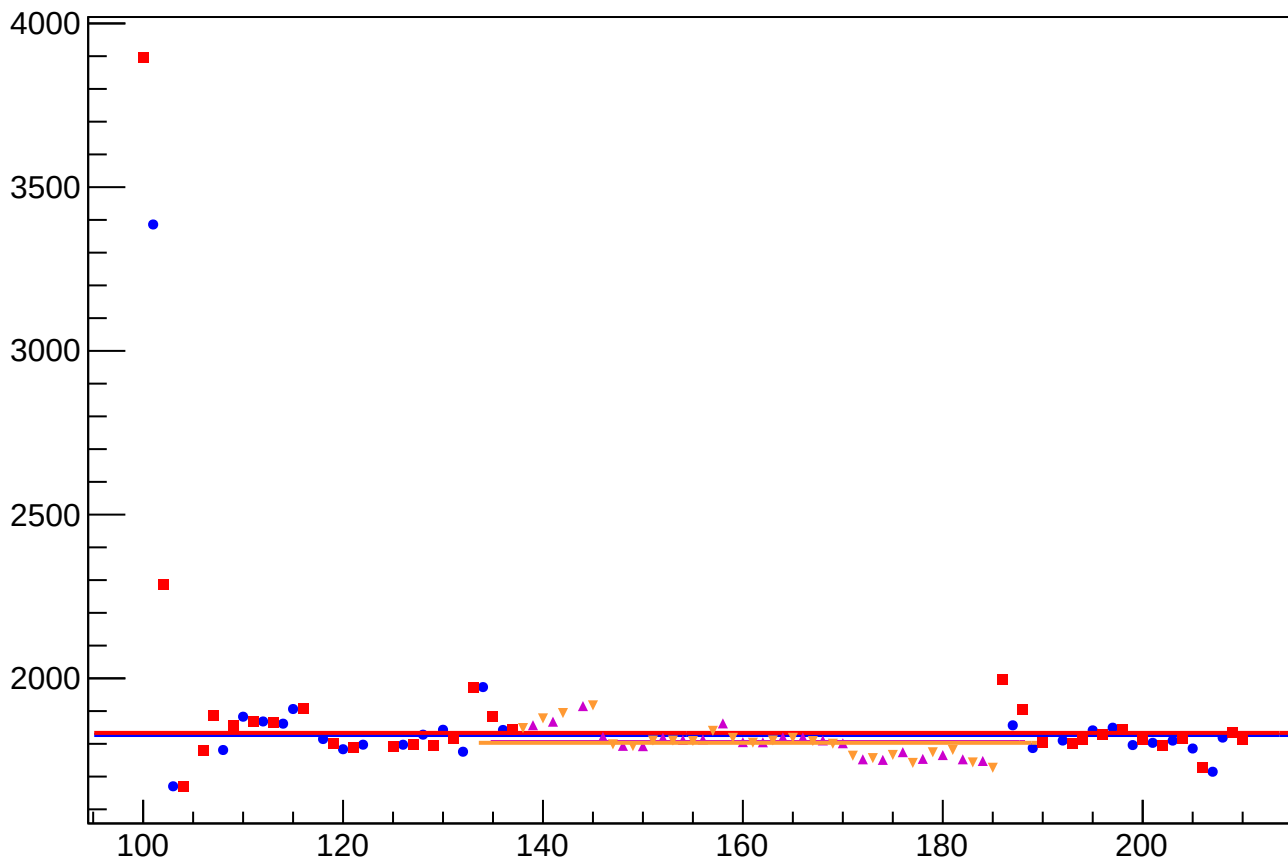
Left In: -4655.225 $\pm$ 421.691 χ^2 /NDF:27.7/22

+ sign 3944.232 $\pm$ 310.053 χ^2 /NDF: 38.4/50

All: -272.169 $\pm$ 217.070 χ^2 /NDF: 454.6/104

- sign -4325.663 $\pm$ 304.004 χ^2 /NDF: 53.4/53

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1826.927 $\pm$ 0.326 χ^2 /NDF: 307274.6/26

Left Out: 1803.115 $\pm$ 0.296 χ^2 /NDF: 20641.1/23

Right Out: 1833.417 $\pm$ 0.310 χ^2 /NDF: 121246.3/30

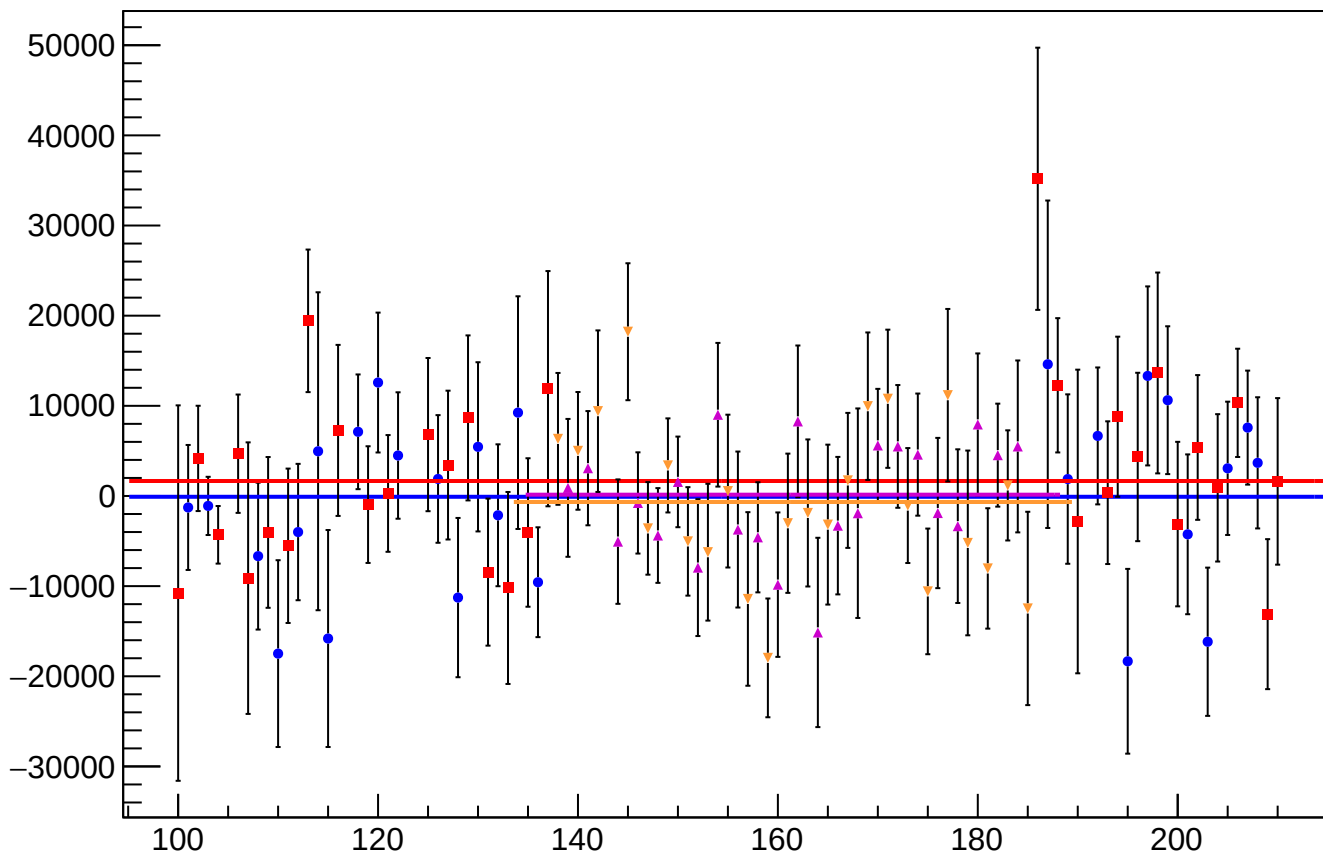
Left In: 1805.559 $\pm$ 0.298 χ^2 /NDF: 19314.6/22

+ sign 1813.864 $\pm$ 0.219 χ^2 /NDF: 330837.0/50

All: 1816.460 $\pm$ 0.153 χ^2 /NDF: 475869.7/104

- sign 1818.953 $\pm$ 0.215 χ^2 /NDF: 144757.8/53

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -88.926 ± 1444.013 χ^2/NDF : 29.2/26

Left Out: -667.245 ± 1478.798 χ^2/NDF : 29.8/23

Right Out: 1661.407 ± 1392.287 χ^2/NDF : 31.5/30

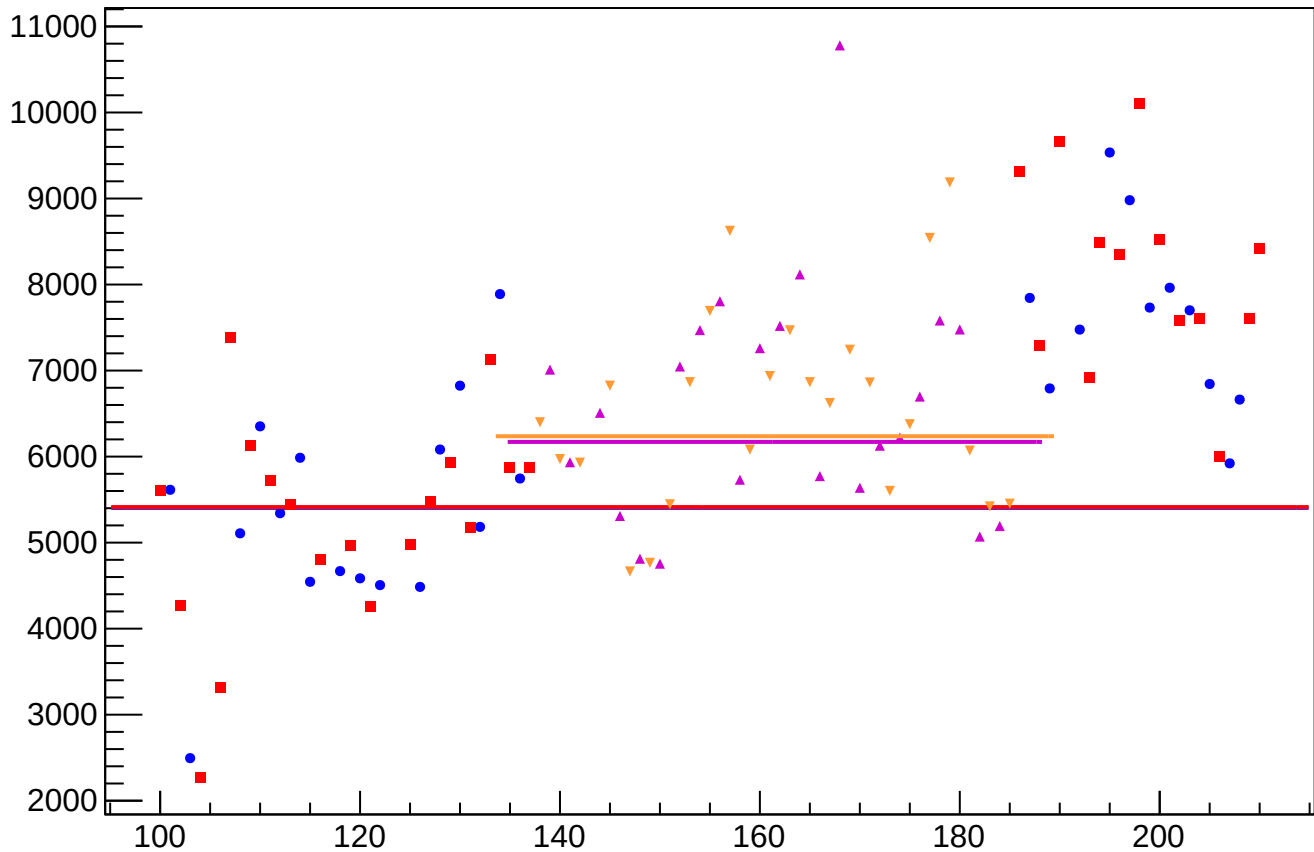
Left In: 143.369 ± 1471.371 χ^2/NDF : 13.6/22

+ sign -371.204 ± 1033.150 χ^2/NDF : 59.1/50

All: 300.596 ± 722.698 χ^2/NDF : 105.5/104

- sign 944.278 ± 1011.298 χ^2/NDF : 45.6/53

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 5404.822+/-1.021 χ^2 /NDF: 3359313.9/26

Left Out: 6236.635+/-1.046 χ^2 /NDF:1067665.4/23

Right Out: 5412.887+/-0.984 χ^2 /NDF: 4580553.8/30

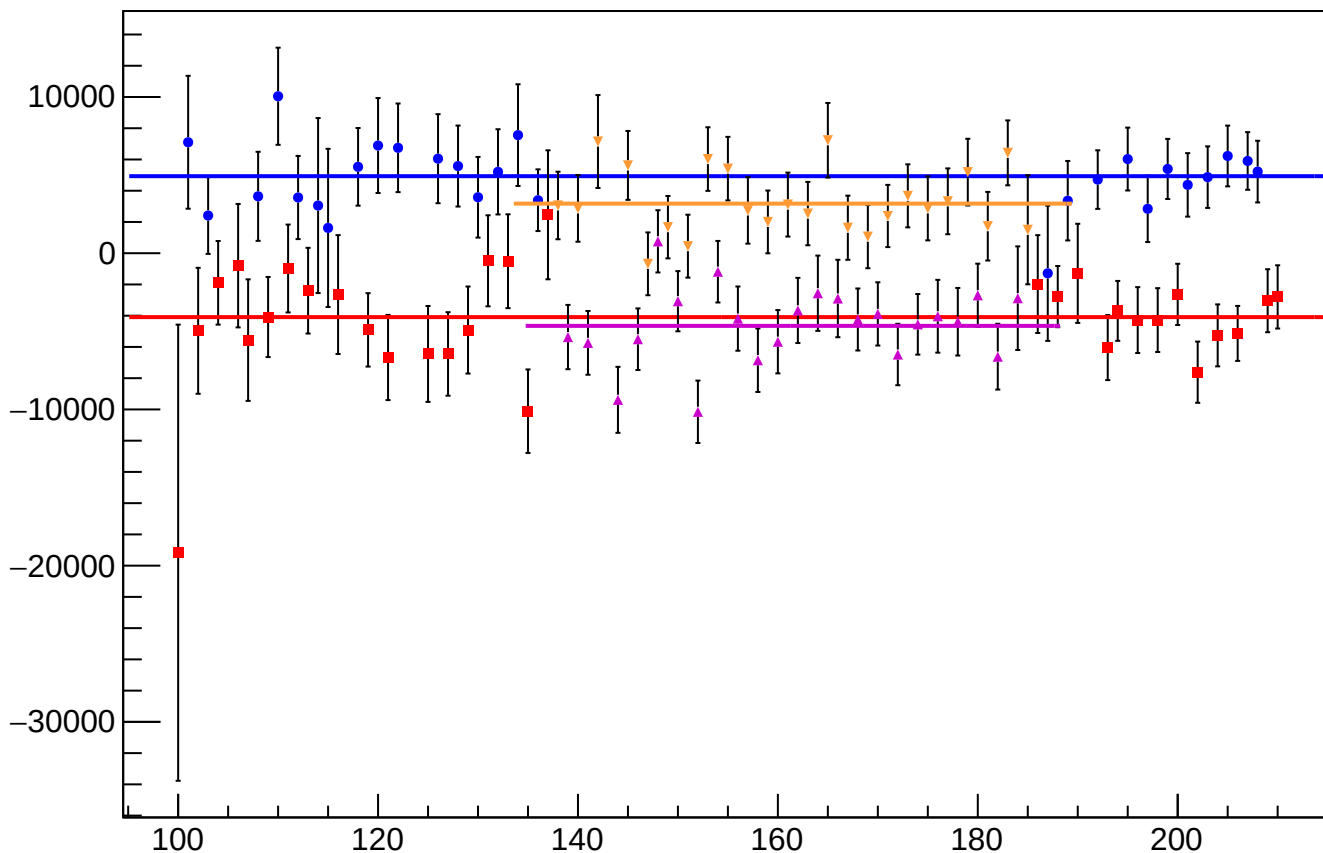
Left In: 6170.789+/-1.040 χ^2 /NDF:1237564.5/22

+ sign 5810.830+/-0.731 χ^2 /NDF: 4750907.0/50

All: 5790.450+/-0.511 χ^2 /NDF: 10850519.7/1

- sign 5770.923+/-0.715 χ^2 /NDF: 6098088.8/53

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4931.051 $\pm$ 471.048 χ^2 /NDF: 12.3/26

Left Out: 3174.550 $\pm$ 434.815 χ^2 /NDF: 21.6/23

Right Out: -4089.999 $\pm$ 449.368 χ^2 /NDF: 25.2/30

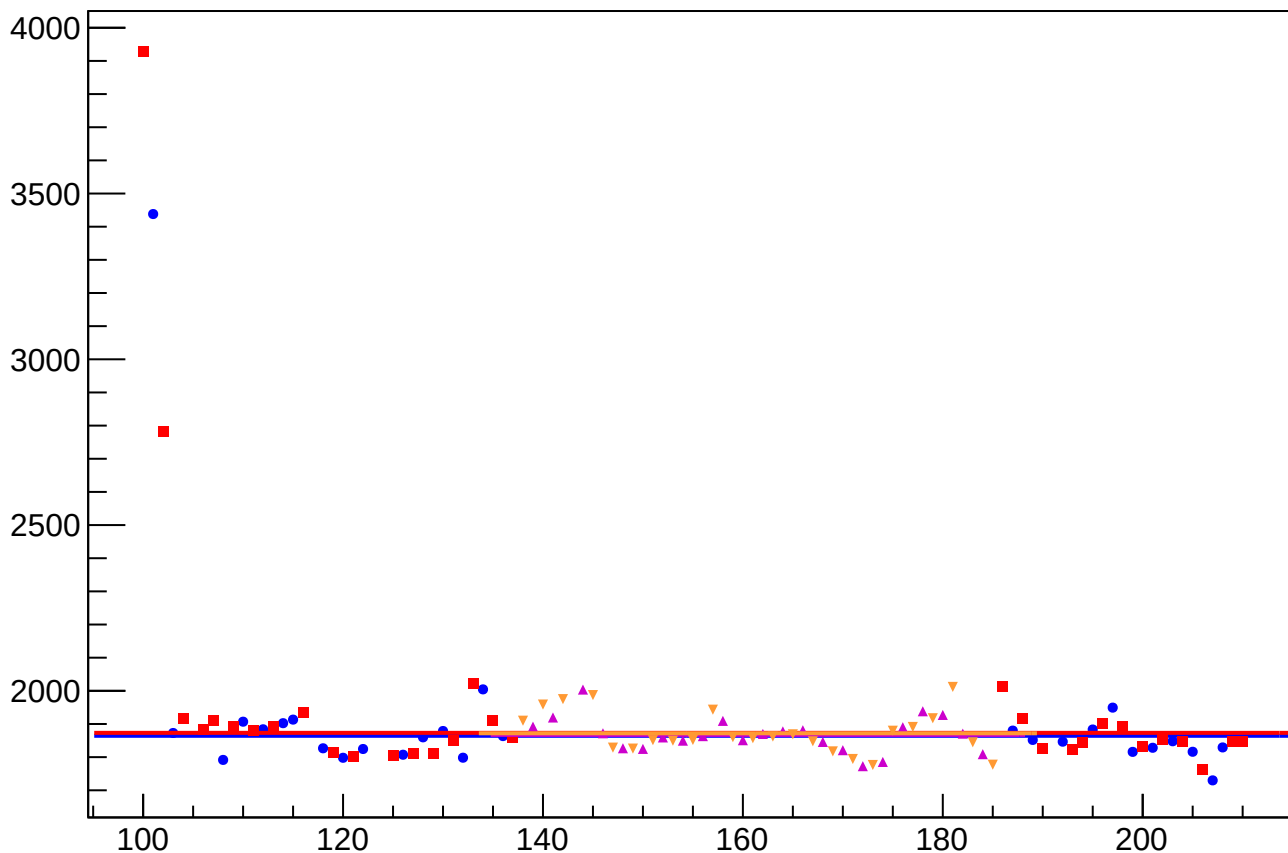
Left In: -4650.461 $\pm$ 436.198 χ^2 /NDF: 30.5/22

+ sign 3982.656 $\pm$ 319.503 χ^2 /NDF: 41.3/50

All: -284.033 $\pm$ 223.585 χ^2 /NDF: 447.3/104

- sign -4378.563 $\pm$ 312.991 χ^2 /NDF: 56.5/53

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1864.405 $\pm$ 0.333 χ^2 /NDF: 301596.1/26

Left Out: 1871.979 $\pm$ 0.307 χ^2 /NDF: 37154.8/23

Right Out: 1873.279 $\pm$ 0.318 χ^2 /NDF: 171241.9/30

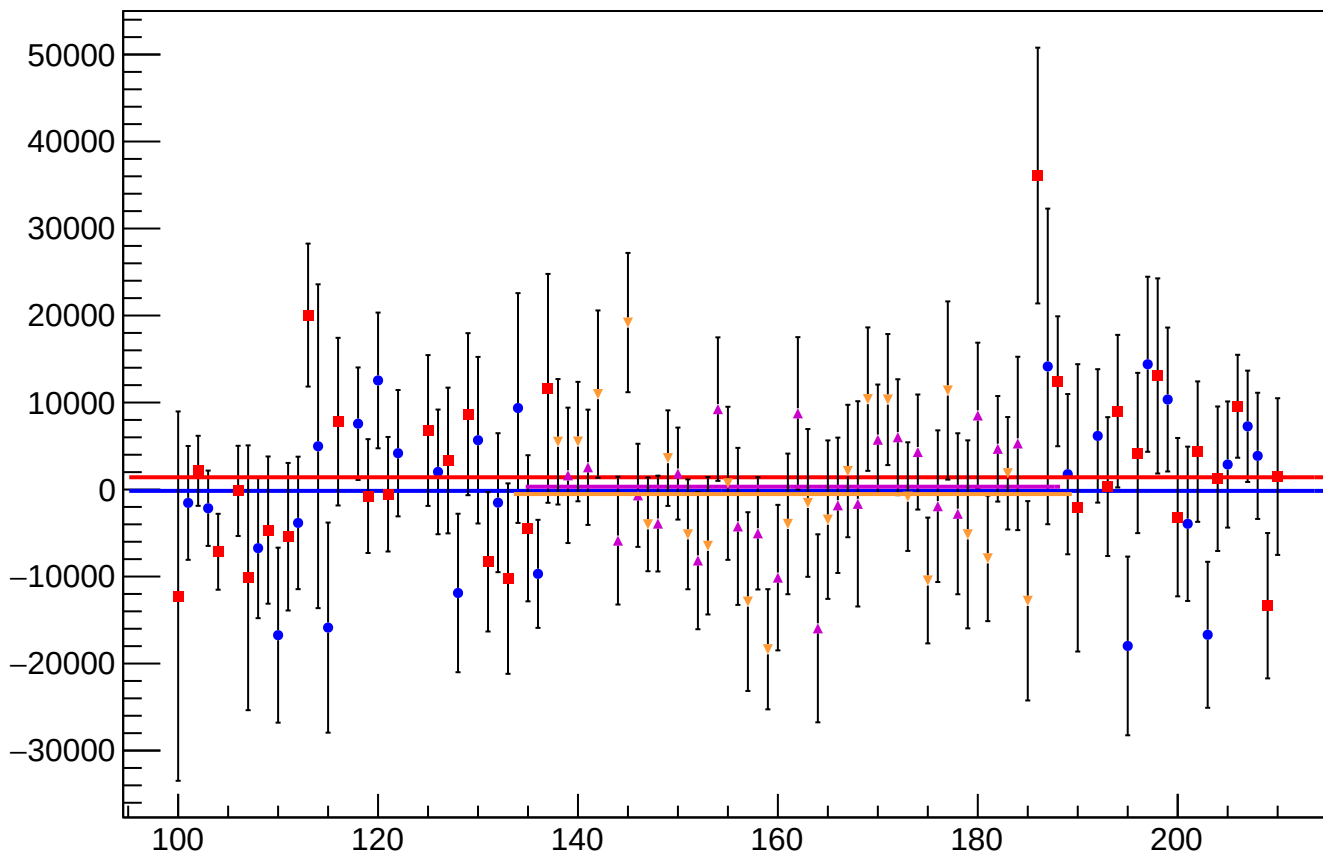
Left In: 1867.079 $\pm$ 0.308 χ^2 /NDF: 27246.7/22

+ sign 1868.495 $\pm$ 0.226 χ^2 /NDF: 339030.1/50

All: 1869.308 $\pm$ 0.158 χ^2 /NDF: 537740.1/104

- sign 1870.088 $\pm$ 0.221 χ^2 /NDF: 198684.7/53

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug



Right In: -154.627+/-1519.037 χ^2/NDF : 29.1/26

Left Out: -520.262+/-1536.784 χ^2/NDF : 29.2/23

Right Out: 1410.669+/-1396.480 χ^2/NDF : 31.8/30

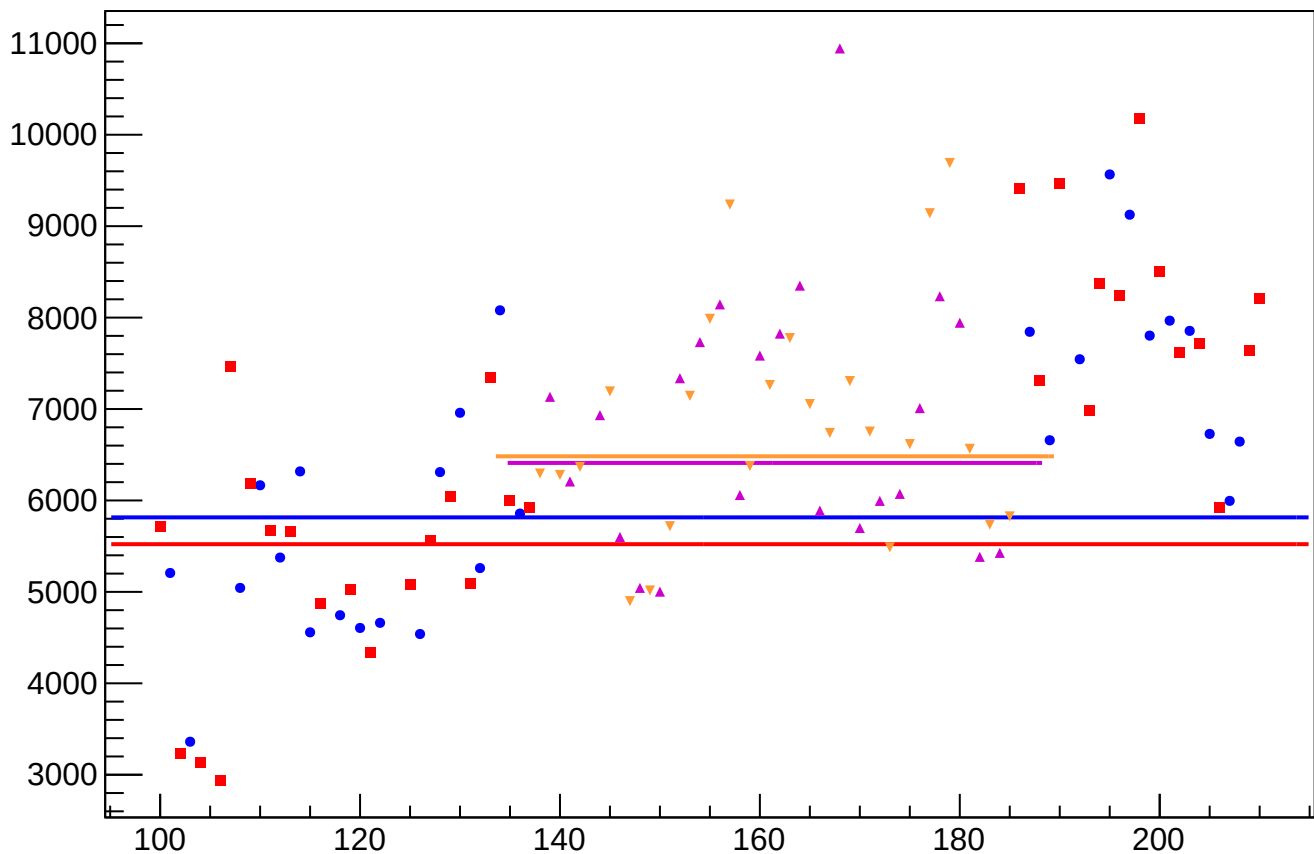
Left In: 324.625+/-1527.995 χ^2/NDF : 13.4/22

+ sign -335.321+/-1080.341 χ^2/NDF : 58.3/50

All: 319.875+/-745.794 χ^2/NDF : 104.5/104

- sign 916.388+/-1030.825 χ^2/NDF : 45.5/53

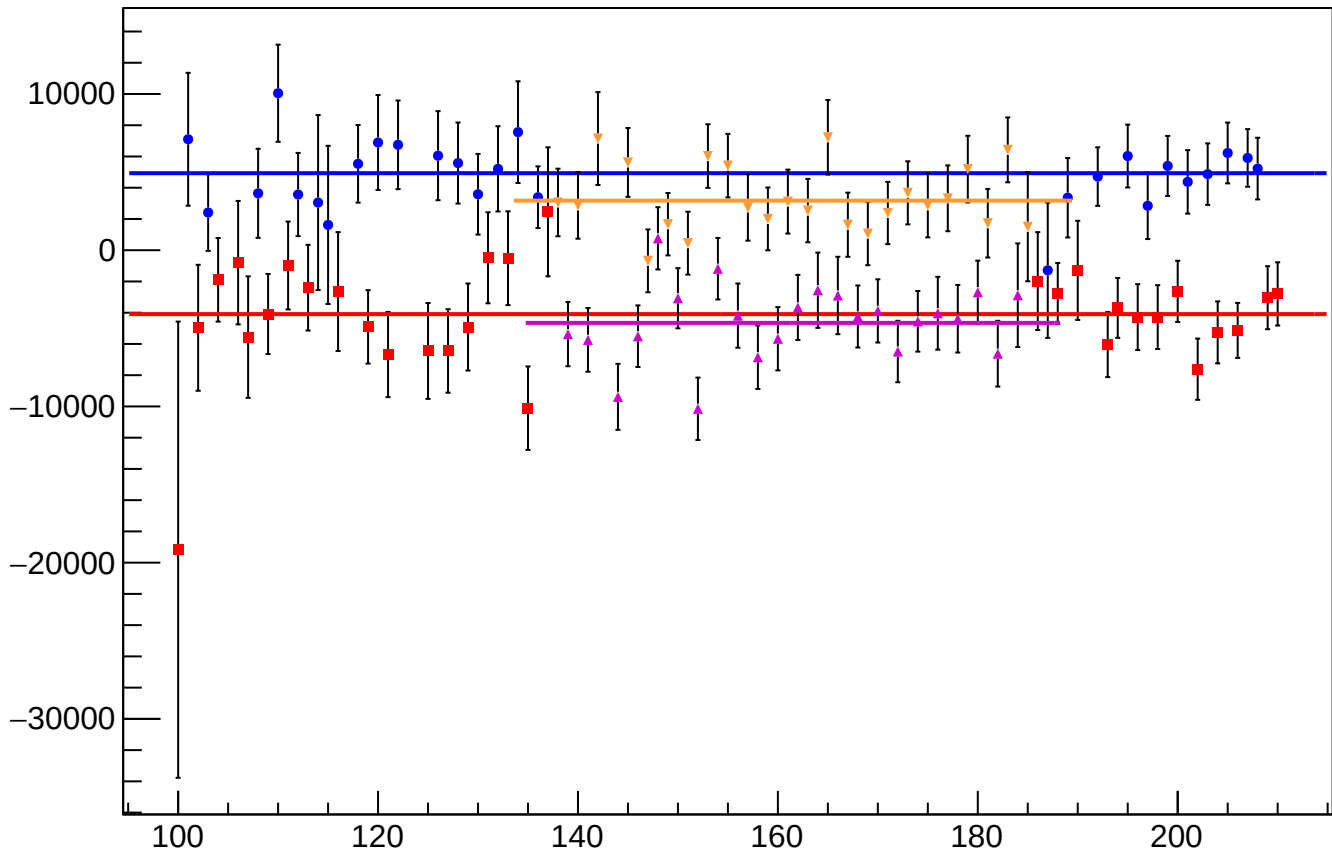
asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 5814.958 $\pm$ 1.074 χ^2/NDF : 2067998.9/26
 Left Out: 6482.730 $\pm$ 1.087 χ^2/NDF : 1074584.9/23
 Right Out: 5521.838 $\pm$ 0.987 χ^2/NDF : 3930952.3/30
 Left In: 6410.419 $\pm$ 1.080 χ^2/NDF : 1219830.0/22

+ sign 6144.966 $\pm$ 0.764 χ^2/NDF : 3333589.2/50
 All: 6030.481 $\pm$ 0.527 χ^2/NDF : 8895815.8/10
 - sign 5926.249 $\pm$ 0.729 χ^2/NDF : 5519318.6/53

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4931.048 $\pm$ 471.048 χ^2 /NDF: 12.3/26

Left Out: 3174.543 $\pm$ 434.815 χ^2 /NDF:21.6/23

Right Out: -4089.994 $\pm$ 449.367 χ^2 /NDF: 25.2/30

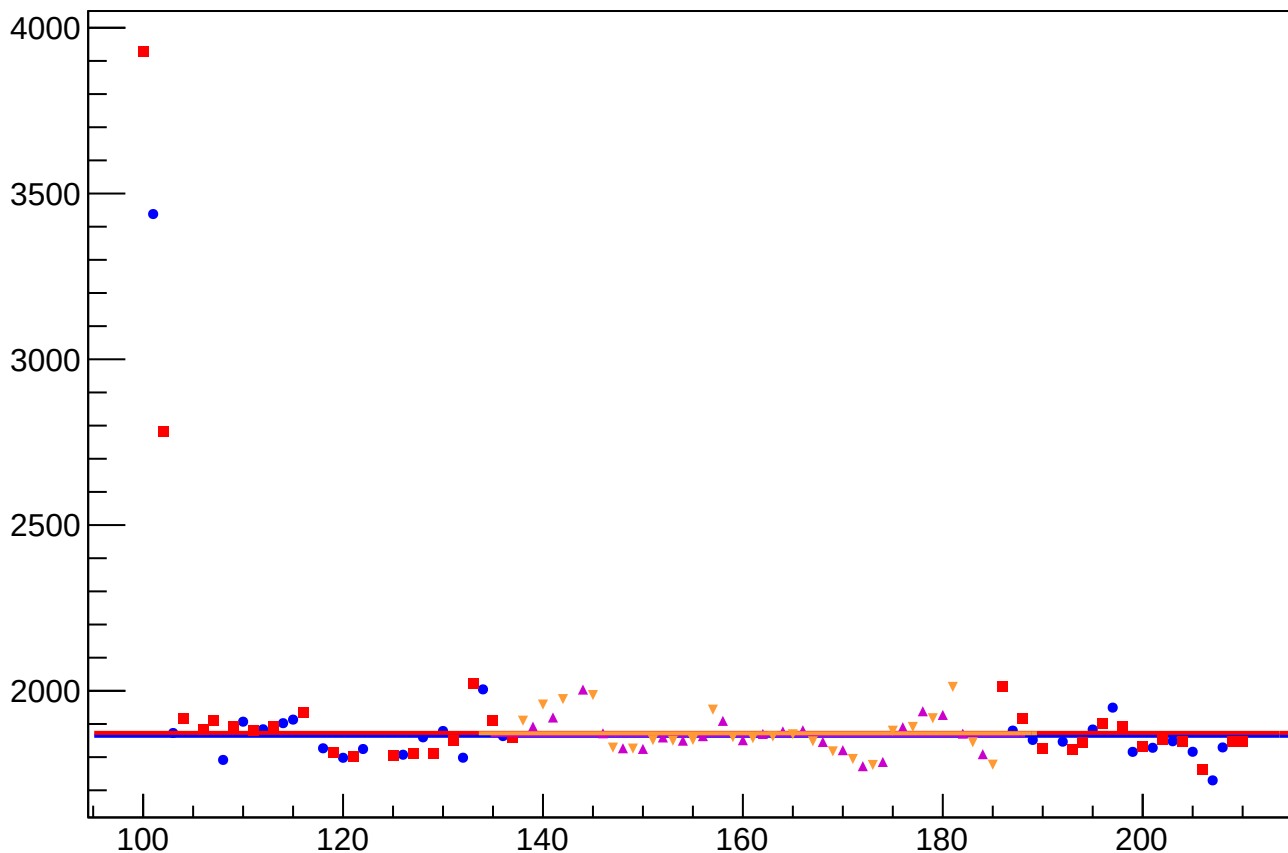
Left In: -4650.462 $\pm$ 436.198 χ^2 /NDF:30.5/22

+ sign 3982.652 $\pm$ 319.503 χ^2 /NDF: 41.3/50

All: -284.034 $\pm$ 223.585 χ^2 /NDF: 447.3/104

- sign -4378.561 $\pm$ 312.991 χ^2 /NDF: 56.5/53

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1864.405+/-0.333 χ^2/NDF : 301596.1/26

Left Out: 1871.981+/-0.307 χ^2/NDF : 37155.9/23

Right Out: 1873.279+/-0.318 χ^2/NDF : 171241.0/30

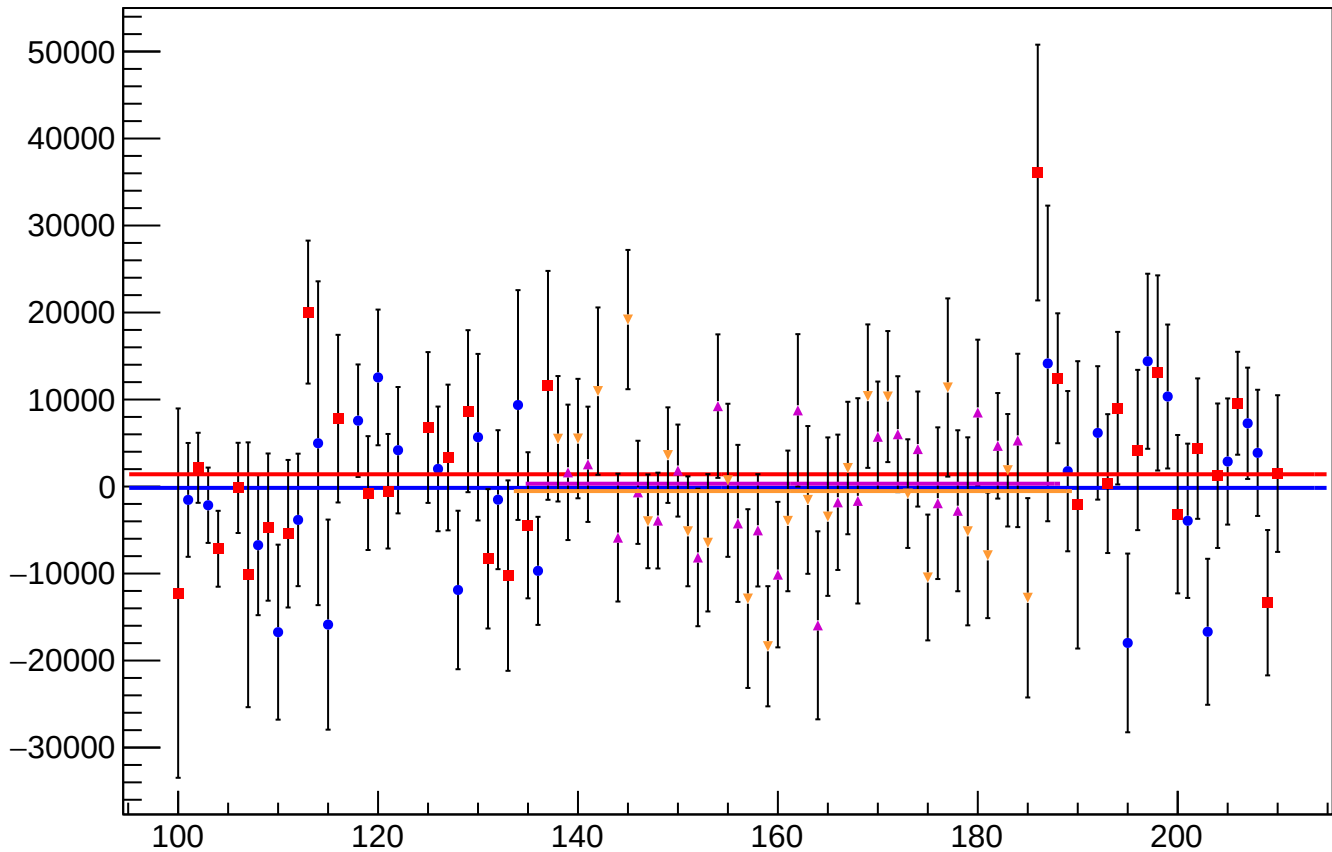
Left In: 1867.080+/-0.308 χ^2/NDF : 27247.8/22

+ sign 1868.495+/-0.226 χ^2/NDF : 339031.3/50

All: 1869.309+/-0.158 χ^2/NDF : 537741.6/104

- sign 1870.089+/-0.221 χ^2/NDF : 198684.9/53

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -154.625+/-1519.035 χ^2/NDF : 29.1/26

Left Out: -520.268+/-1536.787 χ^2/NDF : 29.2/23

Right Out: 1410.661+/-1396.479 χ^2/NDF : 31.8/30

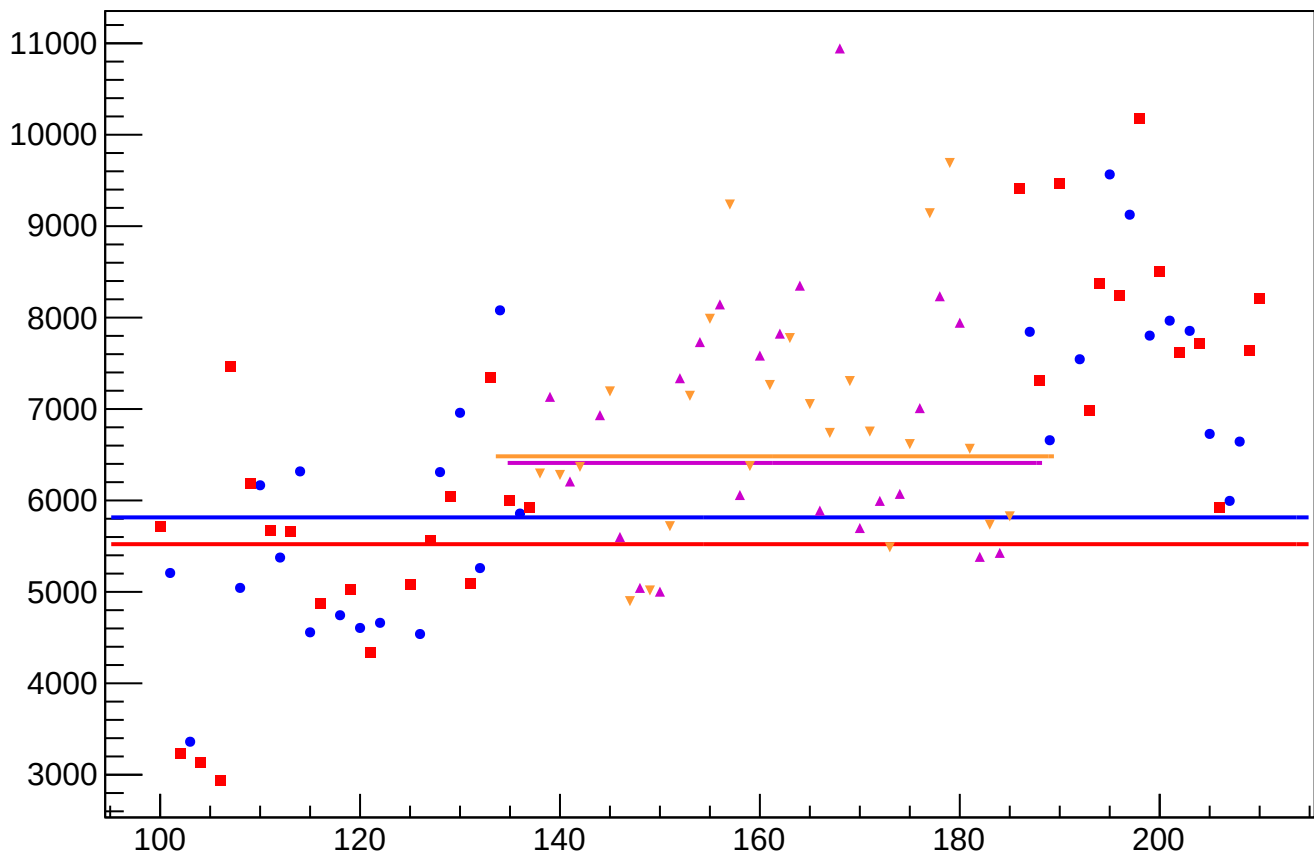
Left In: 324.626+/-1527.998 χ^2/NDF : 13.4/22

+ sign -335.323+/-1080.342 χ^2/NDF : 58.3/50

All: 319.873+/-745.795 χ^2/NDF : 104.5/104

- sign 916.386+/-1030.826 χ^2/NDF : 45.5/53

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 5814.950+/-1.074 χ^2/NDF : 2068025.3/26

Left Out: 6482.740+/-1.087 χ^2/NDF : 1074587.3/23

Right Out: 5521.829+/-0.987 χ^2/NDF : 3930983.4/30

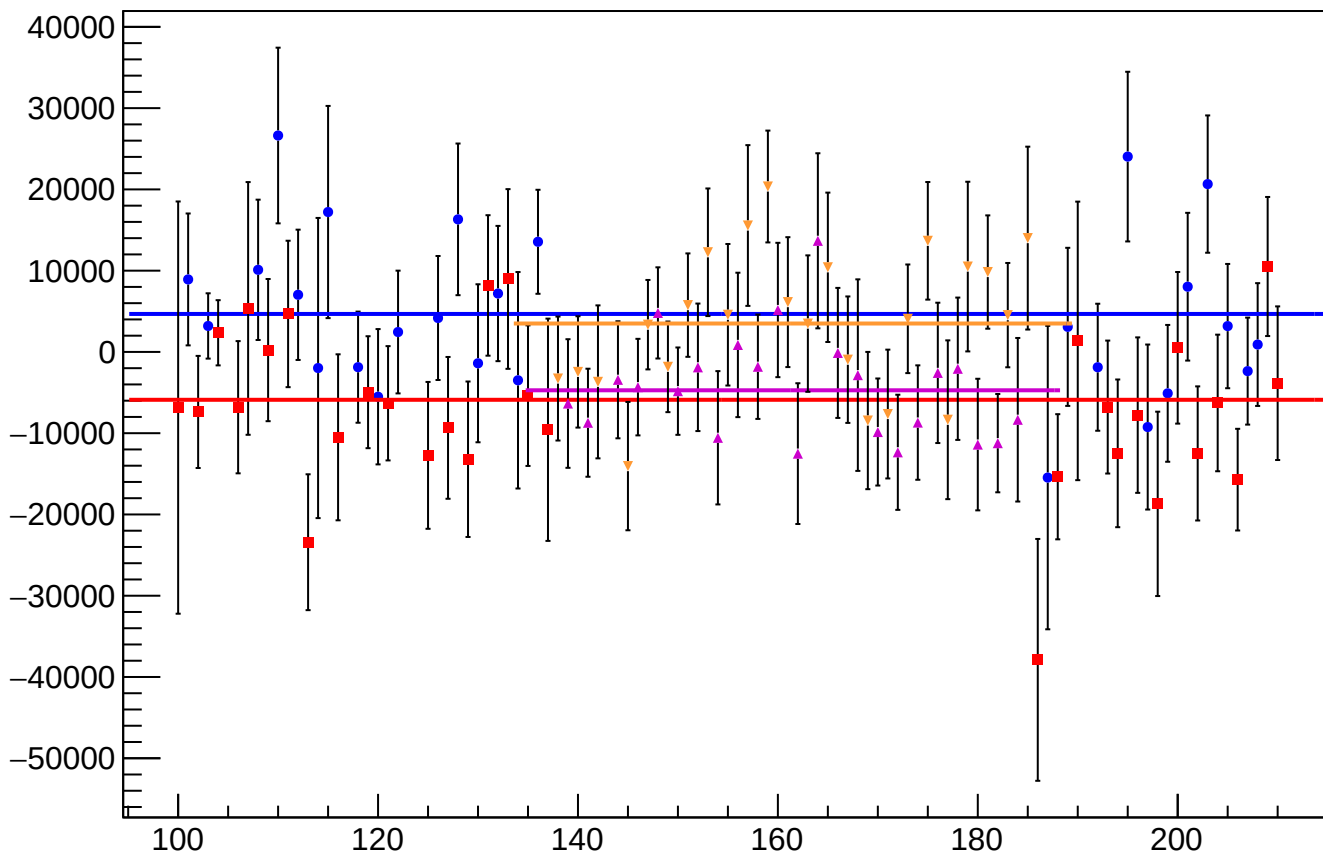
Left In: 6410.429+/-1.080 χ^2/NDF : 1219833.0/22

+ sign 6144.966+/-0.764 χ^2/NDF : 3333628.6/50

All: 6030.480+/-0.527 χ^2/NDF : 8895906.1/10

- sign 5926.248+/-0.729 χ^2/NDF : 5519368.7/53

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4674.034 $\pm$ 1567.250 χ^2 /NDF: 26.6/26

Left Out: 3497.162 $\pm$ 1545.839 χ^2 /NDF:27.5/23

Right Out: -5889.802 $\pm$ 1520.798 χ^2 /NDF: 32.6/30

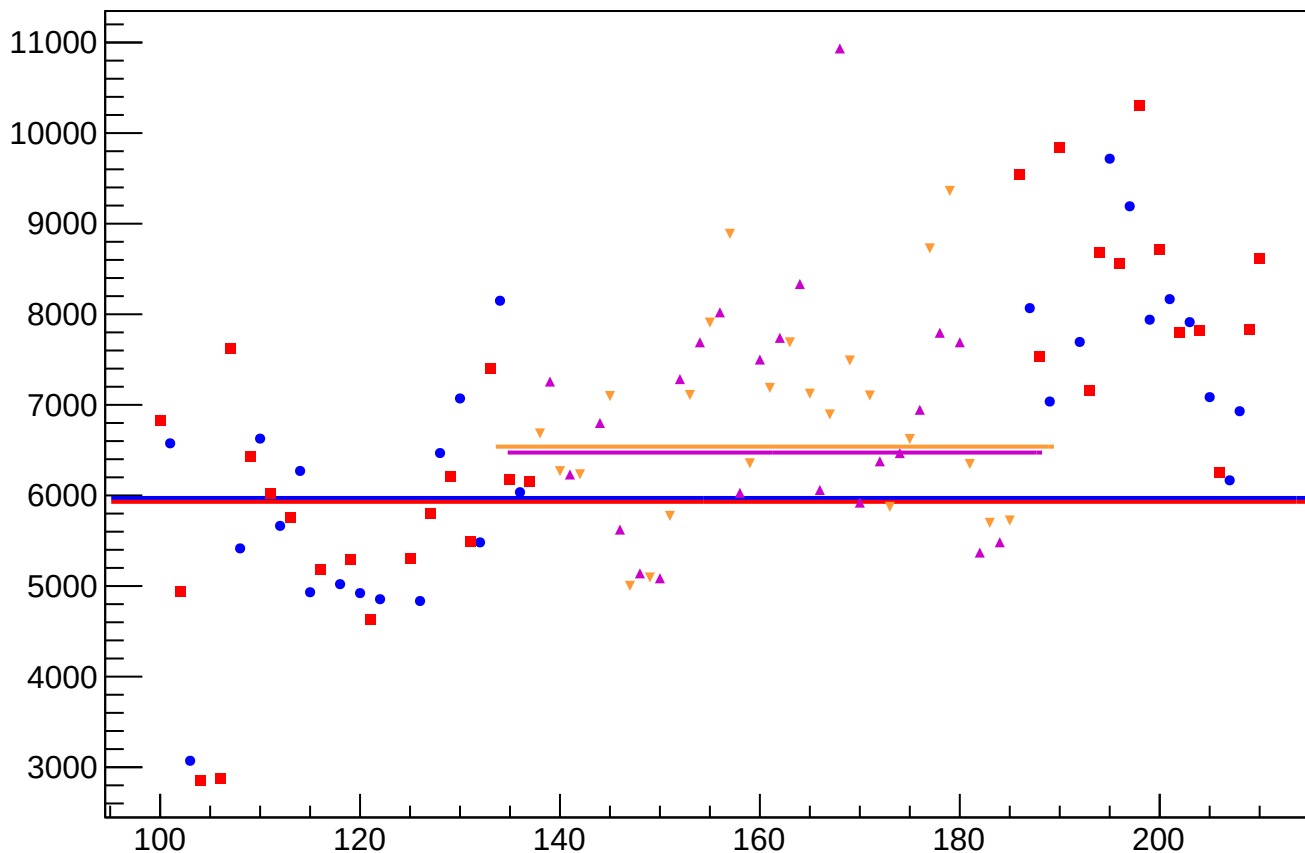
Left In: -4719.535 $\pm$ 1539.177 χ^2 /NDF:14.3/22

+ sign 4077.504 $\pm$ 1100.565 χ^2 /NDF: 54.4/50

All: -697.797 $\pm$ 771.499 χ^2 /NDF: 138.6/104

- sign -5311.697 $\pm$ 1081.806 χ^2 /NDF: 47.2/53

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5972.140+/-1.108 χ^2/NDF : 2348223.4/26

Left Out: 6538.706+/-1.093 χ^2/NDF : 920612.0/23

Right Out: 5929.753+/-1.062 χ^2/NDF : 3526744.3/30

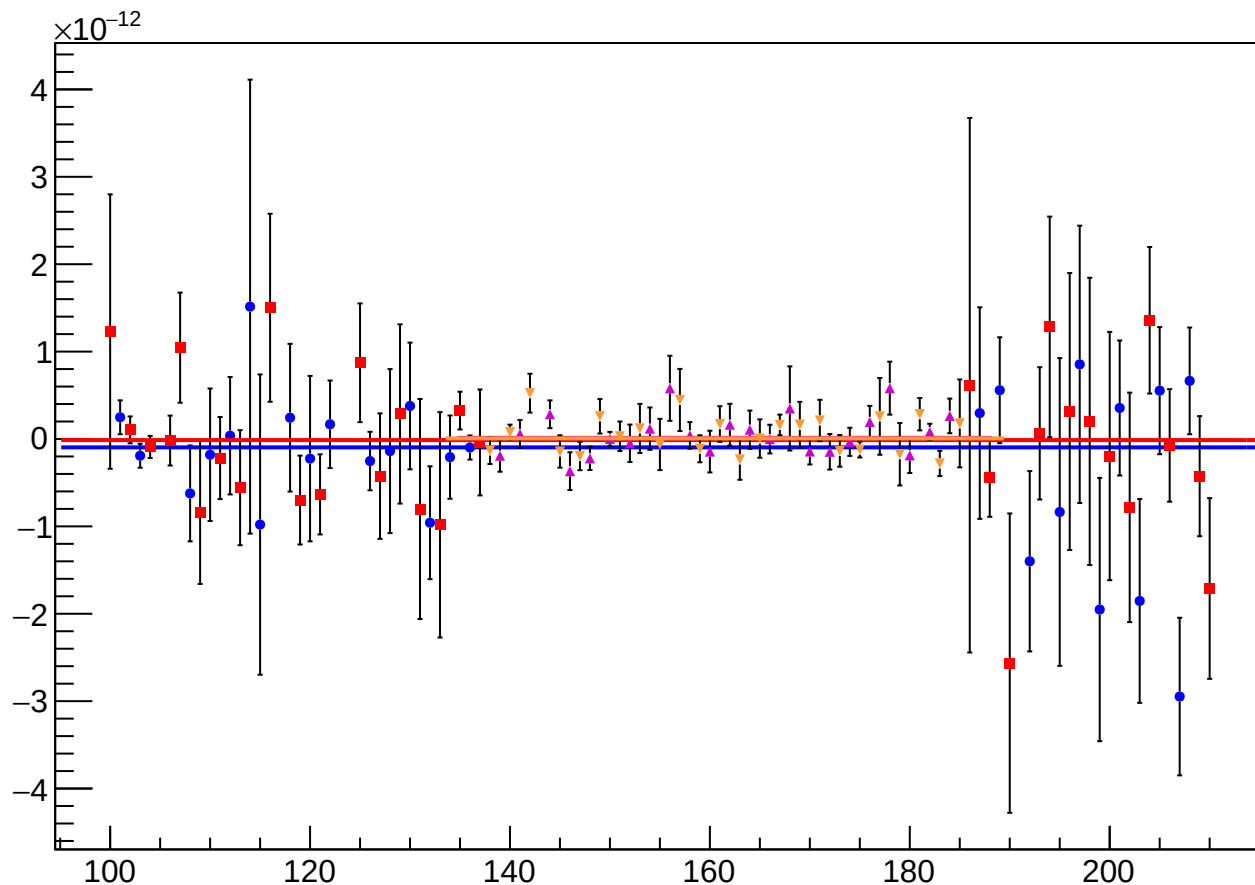
Left In: 6473.481+/-1.088 χ^2/NDF : 1071757.3/22

+ sign 6259.317+/-0.778 χ^2/NDF : 3401319.0/50

All: 6226.323+/-0.544 χ^2/NDF : 8131226.4/10

- sign 6194.858+/-0.760 χ^2/NDF : 4726395.7/53

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 28.1/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 27.8/30

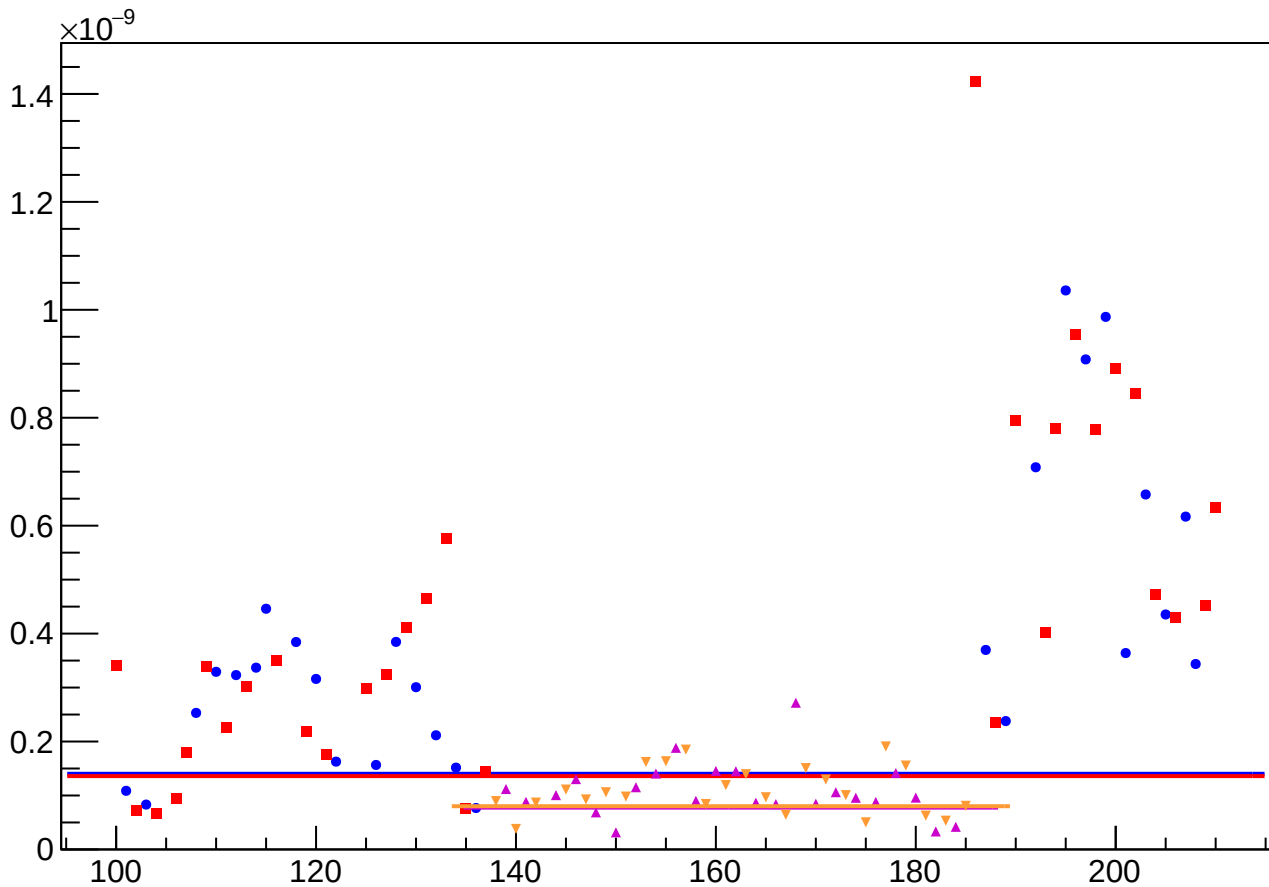
Left In: 0.000 ± 0.000 χ^2/NDF : 24.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 56.8/50

All: -0.000 ± 0.000 χ^2/NDF : 108.9/104

- sign 0.000 ± 0.000 χ^2/NDF : 51.9/53

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5776110.8/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 7562678.9/30

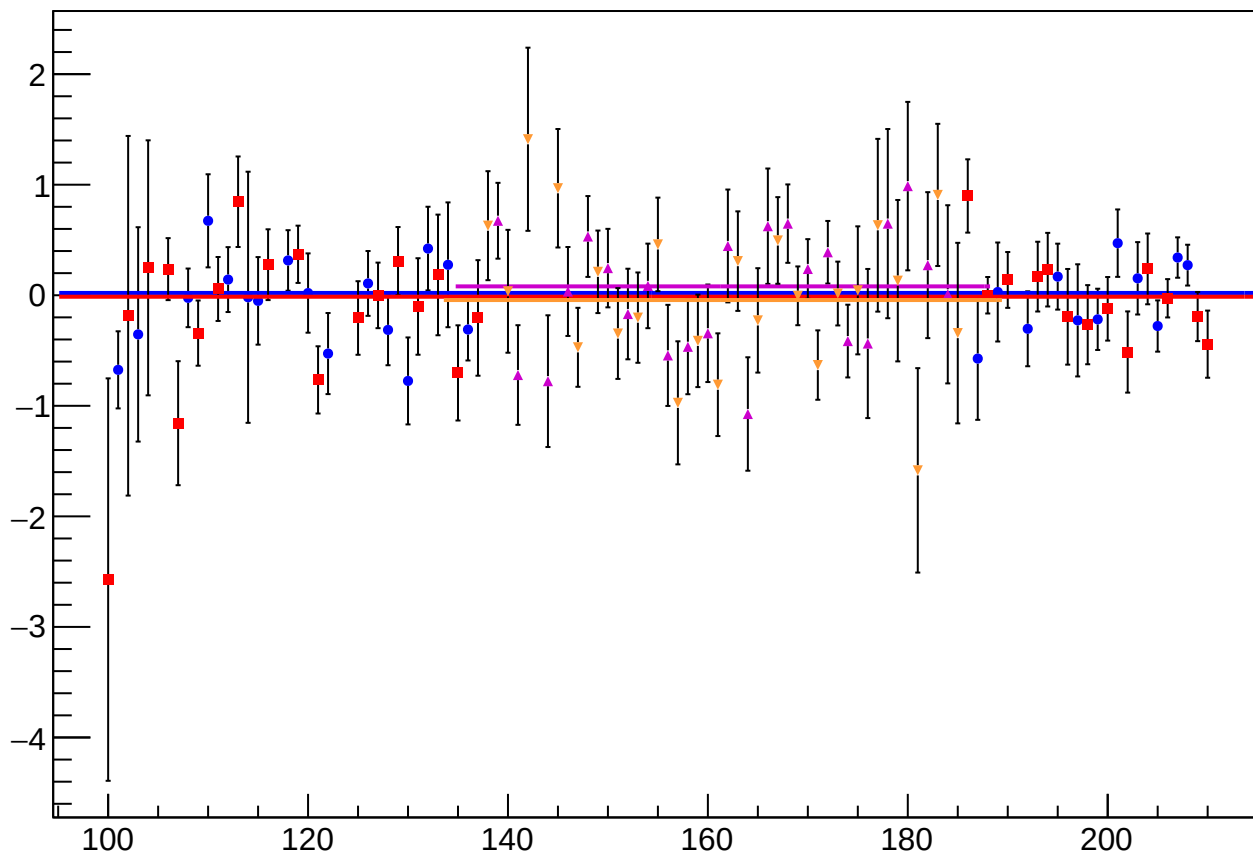
Left In: 0.000+/-0.000 χ^2/NDF : 2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 8988504.0/50

All: 0.000+/-0.000 χ^2/NDF : 20234484.2/104

- sign 0.000+/-0.000 χ^2/NDF : 11237381.8/53

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.021 ± 0.061 $\chi^2/\text{NDF}: 30.4/26$

Left Out: -0.043 ± 0.090 $\chi^2/\text{NDF}: 31.0/23$

Right Out: -0.013 ± 0.056 $\chi^2/\text{NDF}: 40.9/30$

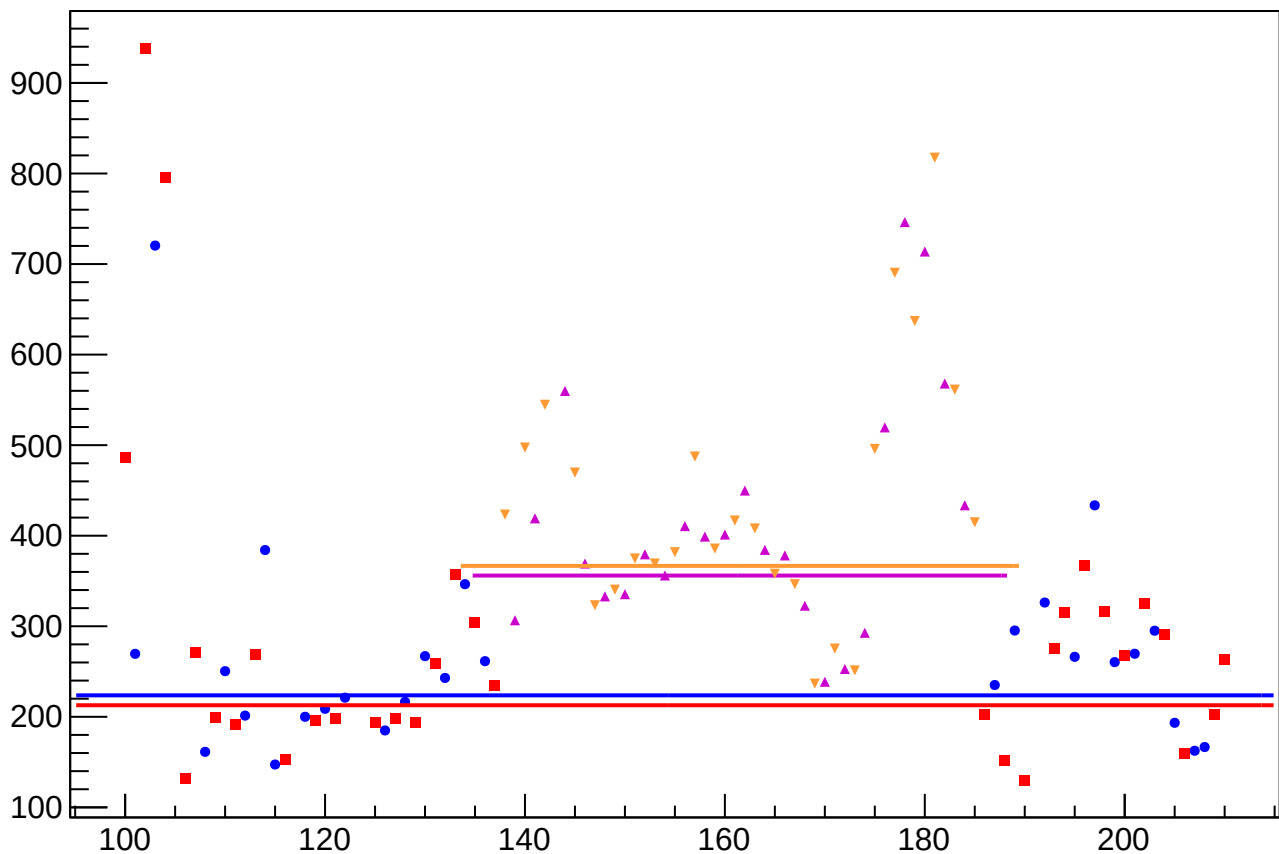
Left In: 0.080 ± 0.088 $\chi^2/\text{NDF}: 30.3/22$

+ sign 0.001 ± 0.050 $\chi^2/\text{NDF}: 61.7/50$

All: 0.008 ± 0.034 $\chi^2/\text{NDF}: 133.7/104$

- sign 0.014 ± 0.047 $\chi^2/\text{NDF}: 72.0/53$

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 223.704 $\pm$ 0.043 χ^2/NDF : 2262495.5/26

Left Out: 366.670 $\pm$ 0.064 χ^2/NDF : 2841071.8/23

Right Out: 212.768 $\pm$ 0.040 χ^2/NDF : 3363014.3/30

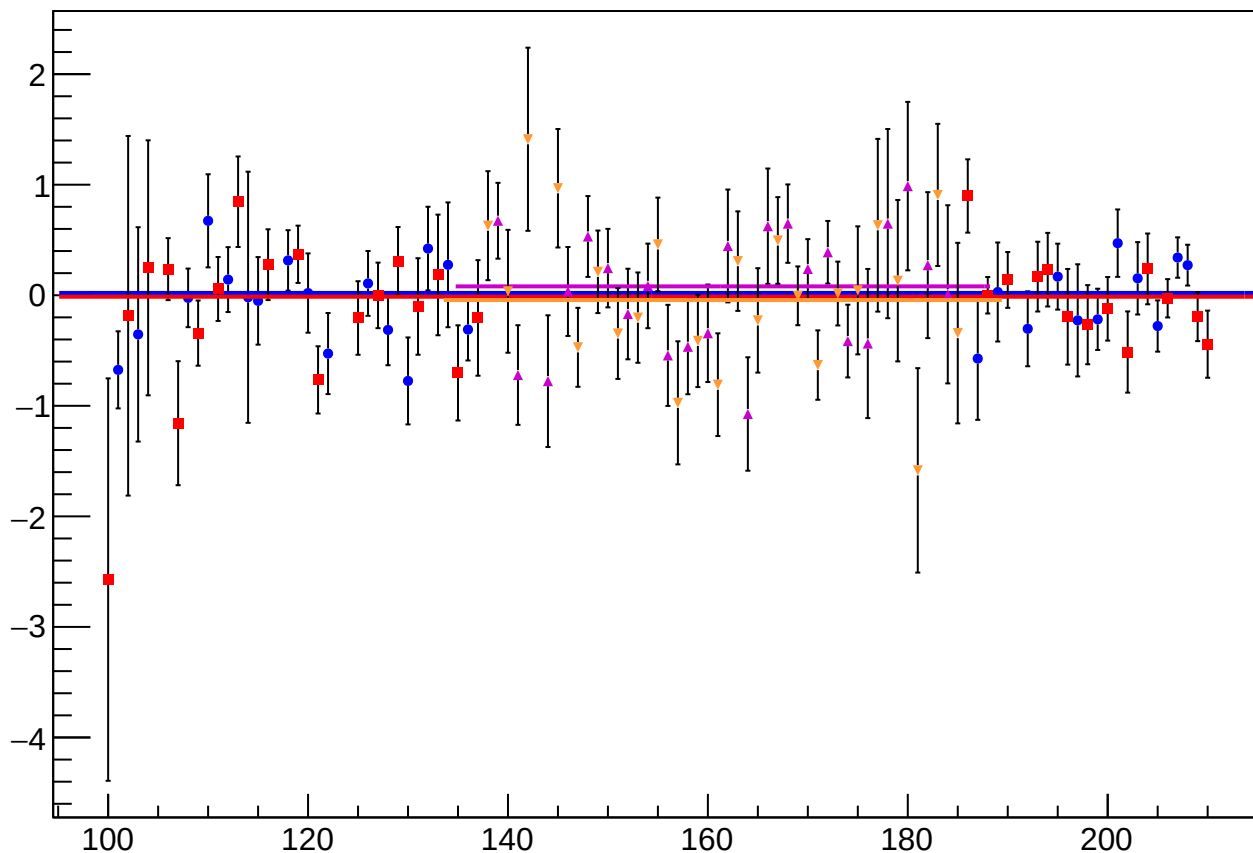
Left In: 355.992 $\pm$ 0.062 χ^2/NDF : 2420701.1/22

+ sign 268.214 $\pm$ 0.036 χ^2/NDF : 8544144.7/50

All: 260.782 $\pm$ 0.024 χ^2/NDF : 18191860.5/10

- sign 254.269 $\pm$ 0.033 χ^2/NDF : 9566351.6/53

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021 ± 0.061 $\chi^2/\text{NDF}: 30.4/26$

Left Out: -0.043 ± 0.090 $\chi^2/\text{NDF}: 31.0/23$

Right Out: -0.013 ± 0.056 $\chi^2/\text{NDF}: 40.9/30$

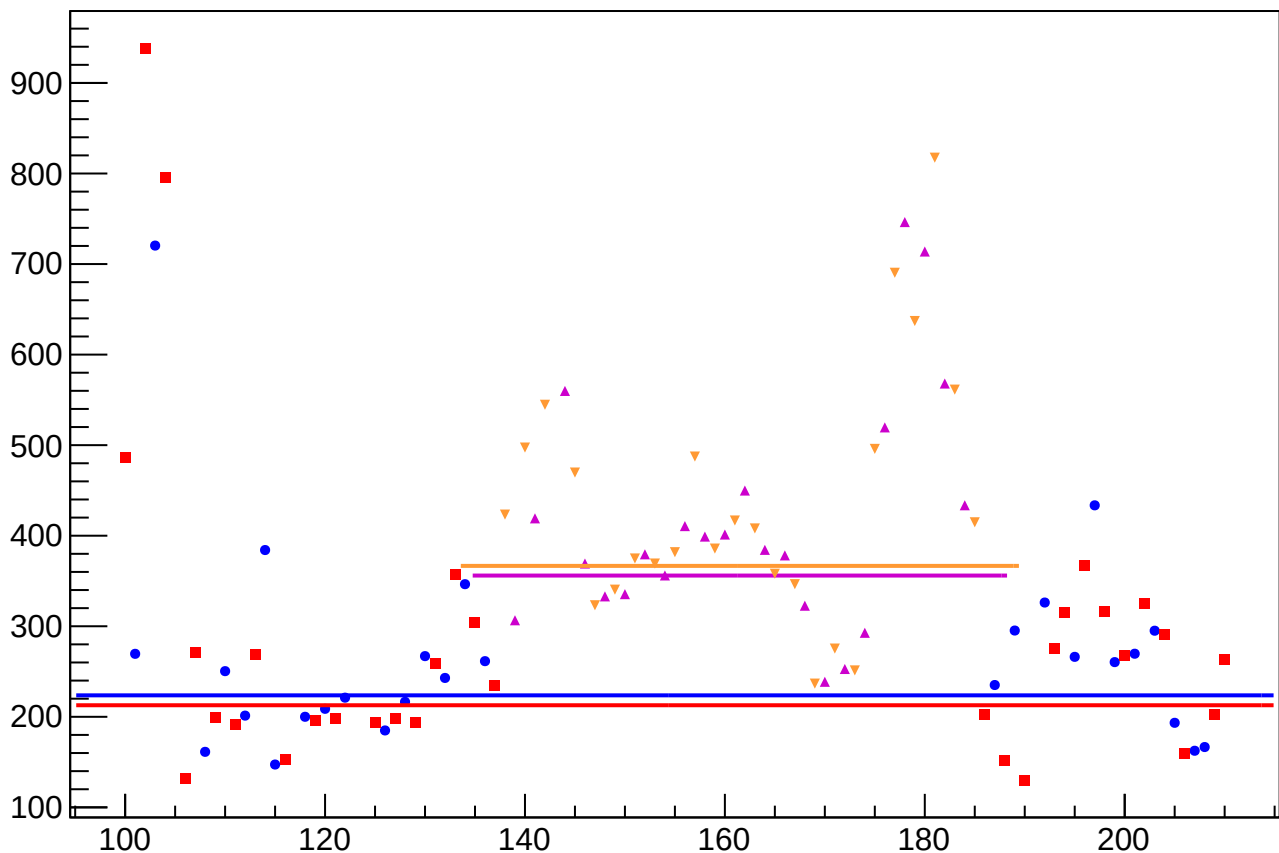
Left In: 0.080 ± 0.088 $\chi^2/\text{NDF}: 30.3/22$

+ sign 0.001 ± 0.050 $\chi^2/\text{NDF}: 61.7/50$

All: 0.008 ± 0.034 $\chi^2/\text{NDF}: 133.7/104$

- sign 0.014 ± 0.047 $\chi^2/\text{NDF}: 72.0/53$

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 223.704 $\pm$ 0.043 χ^2/NDF : 2262495.5/26

Left Out: 366.670 $\pm$ 0.064 χ^2/NDF : 2841071.8/23

Right Out: 212.768 $\pm$ 0.040 χ^2/NDF : 3363014.3/30

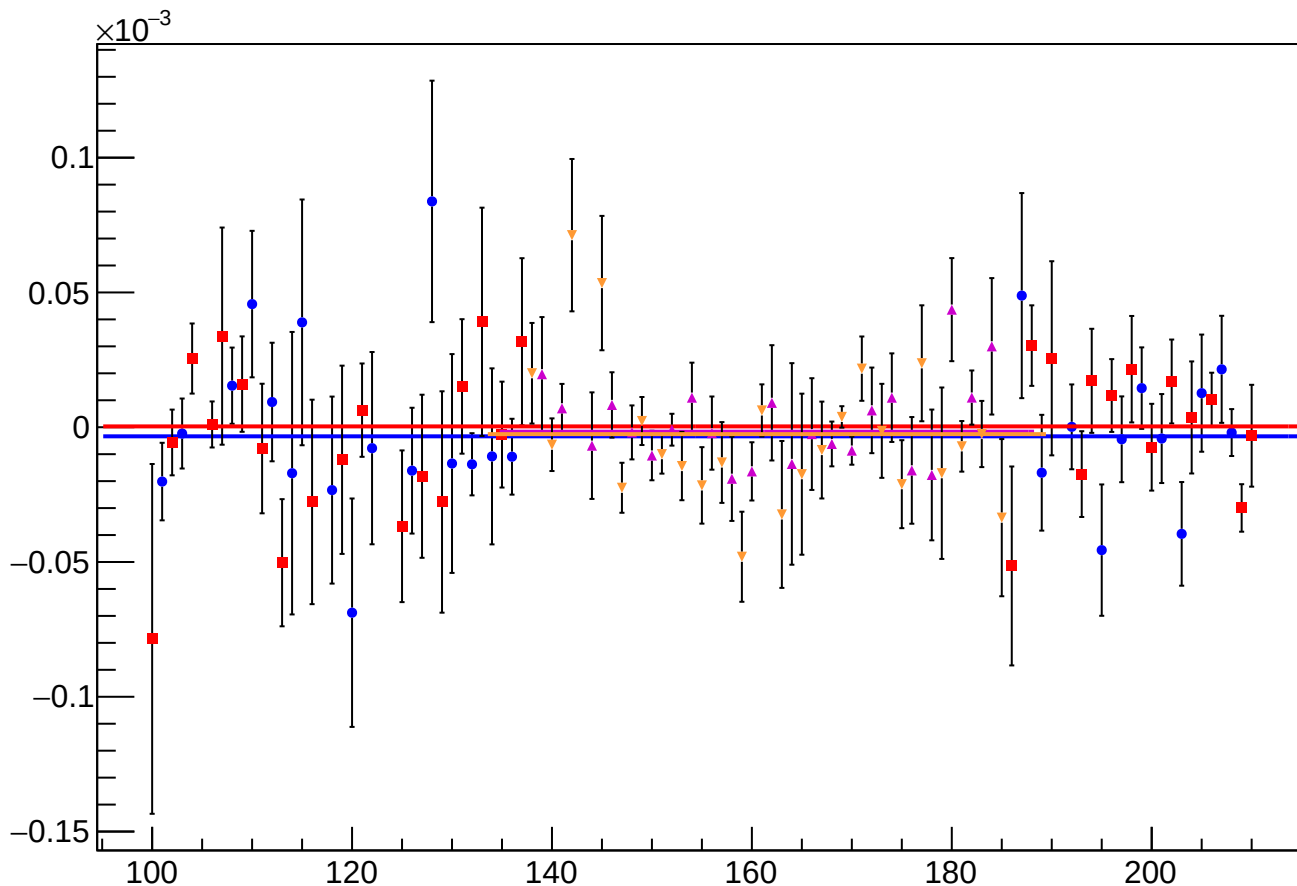
Left In: 355.992 $\pm$ 0.062 χ^2/NDF : 2420701.1/22

+ sign 268.214 $\pm$ 0.036 χ^2/NDF : 8544144.7/50

All: 260.782 $\pm$ 0.024 χ^2/NDF : 18191860.5/10

- sign 254.269 $\pm$ 0.033 χ^2/NDF : 9566351.6/53

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.1/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 43.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.9/30

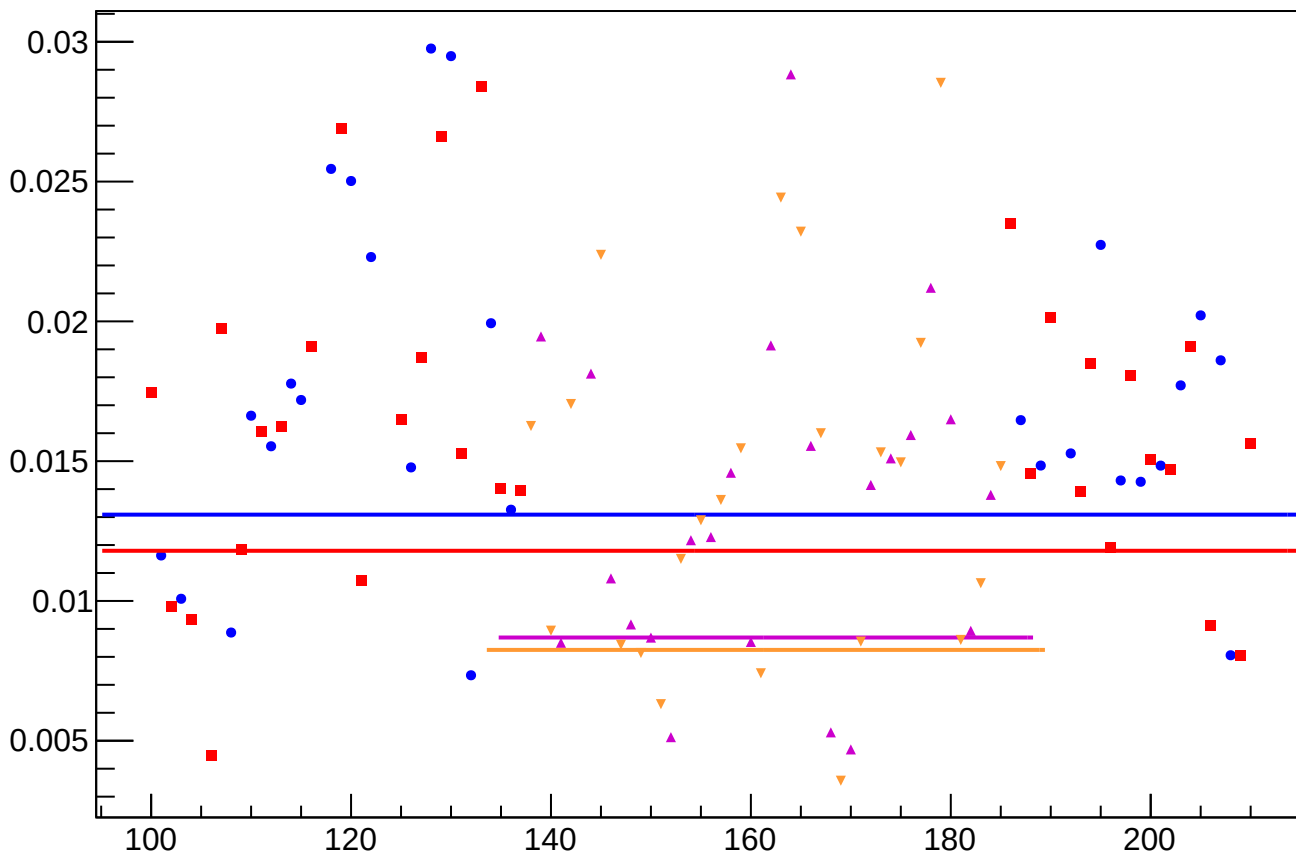
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 71.6/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 135.0/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.8/53

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 3723116.4/26

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF :8879581.2/23

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 4921518.0/30

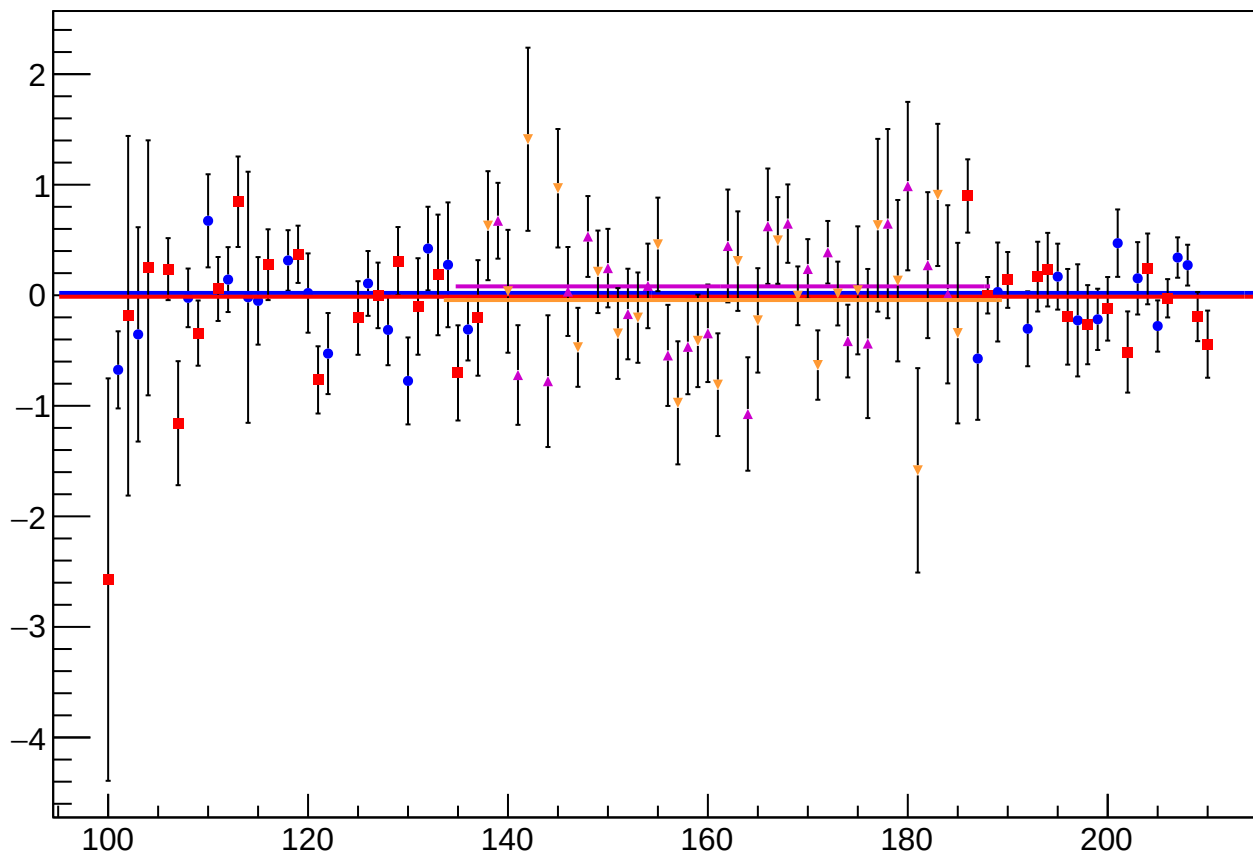
Left In: 0.009 $\pm$ 0.000 χ^2/NDF :6875072.4/22

+ sign 0.010 $\pm$ 0.000 χ^2/NDF : 15252303.2/50

All: 0.010 $\pm$ 0.000 χ^2/NDF : 28330819.8/104

- sign 0.010 $\pm$ 0.000 χ^2/NDF : 13070242.8/53

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.021 ± 0.061 χ^2/NDF : 30.4/26

Left Out: -0.043 ± 0.090 χ^2/NDF : 31.0/23

Right Out: -0.013 ± 0.056 χ^2/NDF : 40.9/30

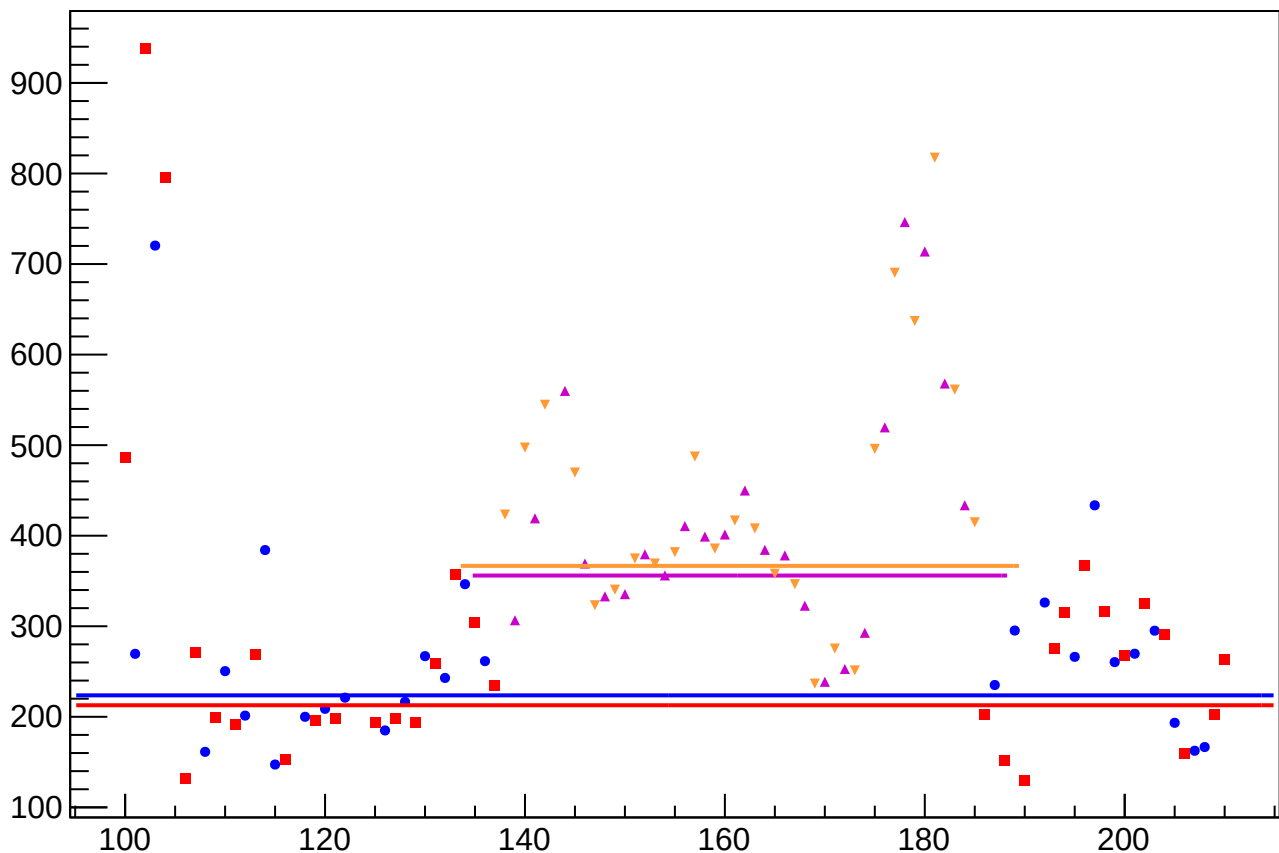
Left In: 0.080 ± 0.088 χ^2/NDF : 30.3/22

+ sign 0.001 ± 0.050 χ^2/NDF : 61.7/50

All: 0.008 ± 0.034 χ^2/NDF : 133.7/104

- sign 0.014 ± 0.047 χ^2/NDF : 72.0/53

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 223.703+/-0.043 χ^2/NDF : 2262533.7/26

Left Out: 366.671+/-0.064 χ^2/NDF : 2841292.6/23

Right Out: 212.765+/-0.040 χ^2/NDF : 3363086.1/30

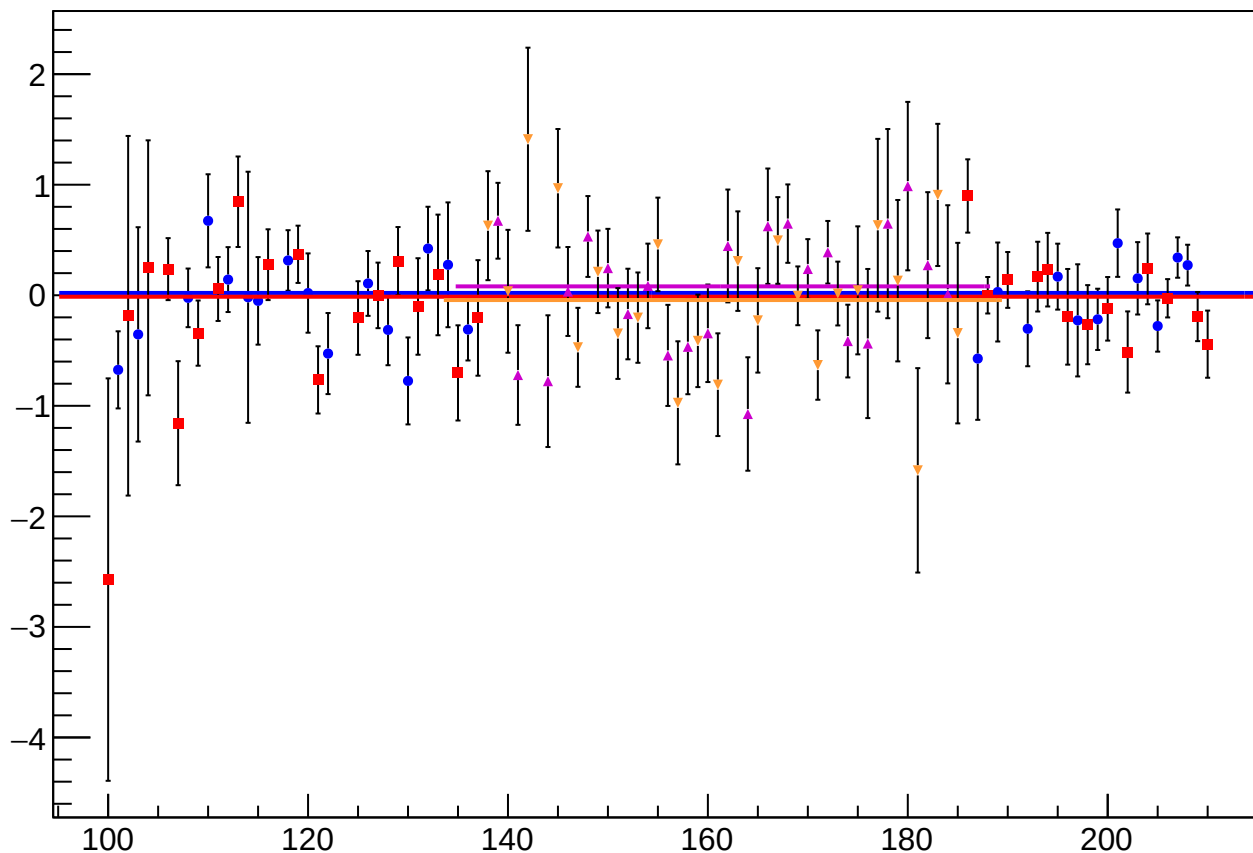
Left In: 355.993+/-0.062 χ^2/NDF : 2420863.3/22

+ sign 268.212+/-0.036 χ^2/NDF : 8544493.0/50

All: 260.779+/-0.024 χ^2/NDF : 18192672.9/10

- sign 254.267+/-0.033 χ^2/NDF : 9566803.8/53

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021 ± 0.061 $\chi^2/\text{NDF}: 30.4/26$

Left Out: -0.043 ± 0.090 $\chi^2/\text{NDF}: 31.0/23$

Right Out: -0.013 ± 0.056 $\chi^2/\text{NDF}: 40.9/30$

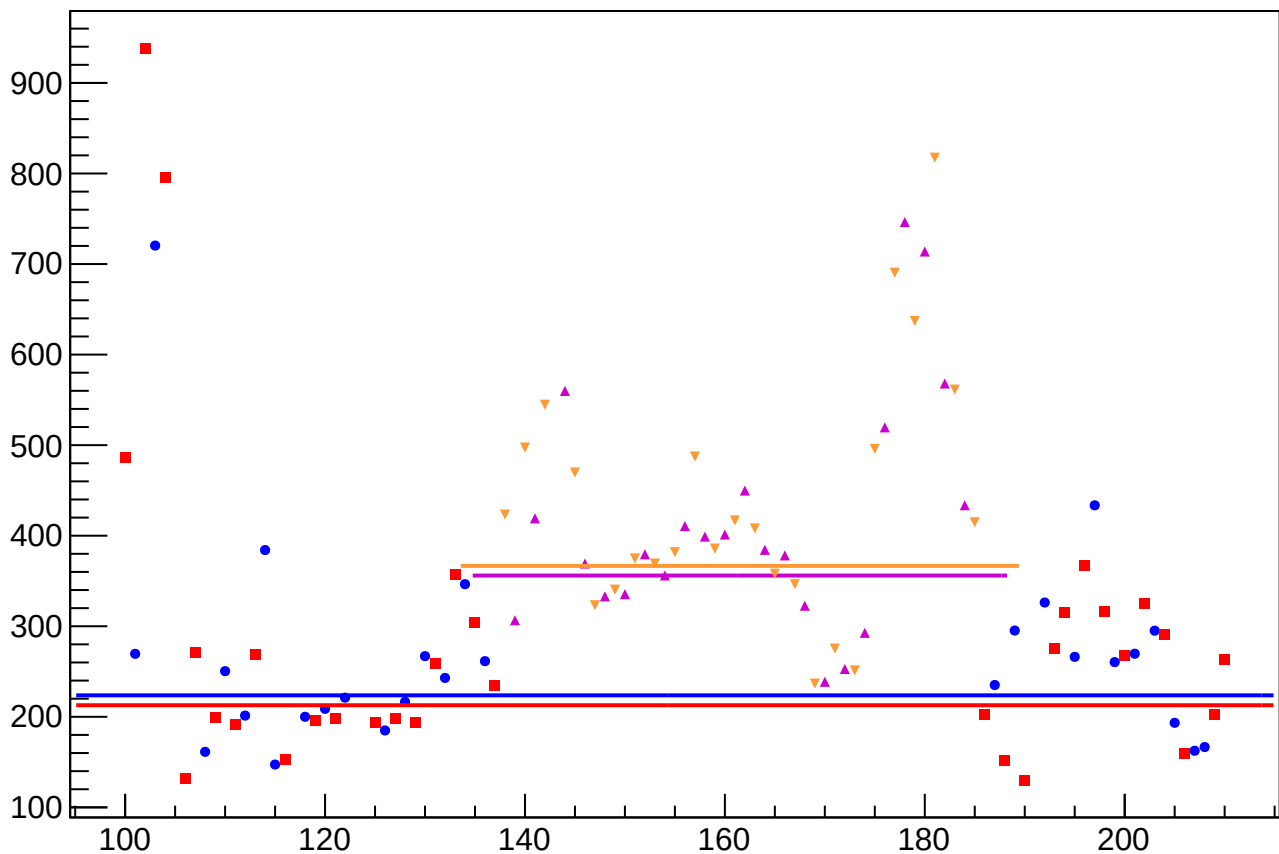
Left In: 0.080 ± 0.088 $\chi^2/\text{NDF}: 30.3/22$

+ sign 0.001 ± 0.050 $\chi^2/\text{NDF}: 61.7/50$

All: 0.008 ± 0.034 $\chi^2/\text{NDF}: 133.7/104$

- sign 0.014 ± 0.047 $\chi^2/\text{NDF}: 72.0/53$

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 223.703 $\pm$ 0.043 χ^2 /NDF: 2262533.7/26

Left Out: 366.671 $\pm$ 0.064 χ^2 /NDF:2841292.6/23

Right Out: 212.765 $\pm$ 0.040 χ^2 /NDF: 3363086.1/30

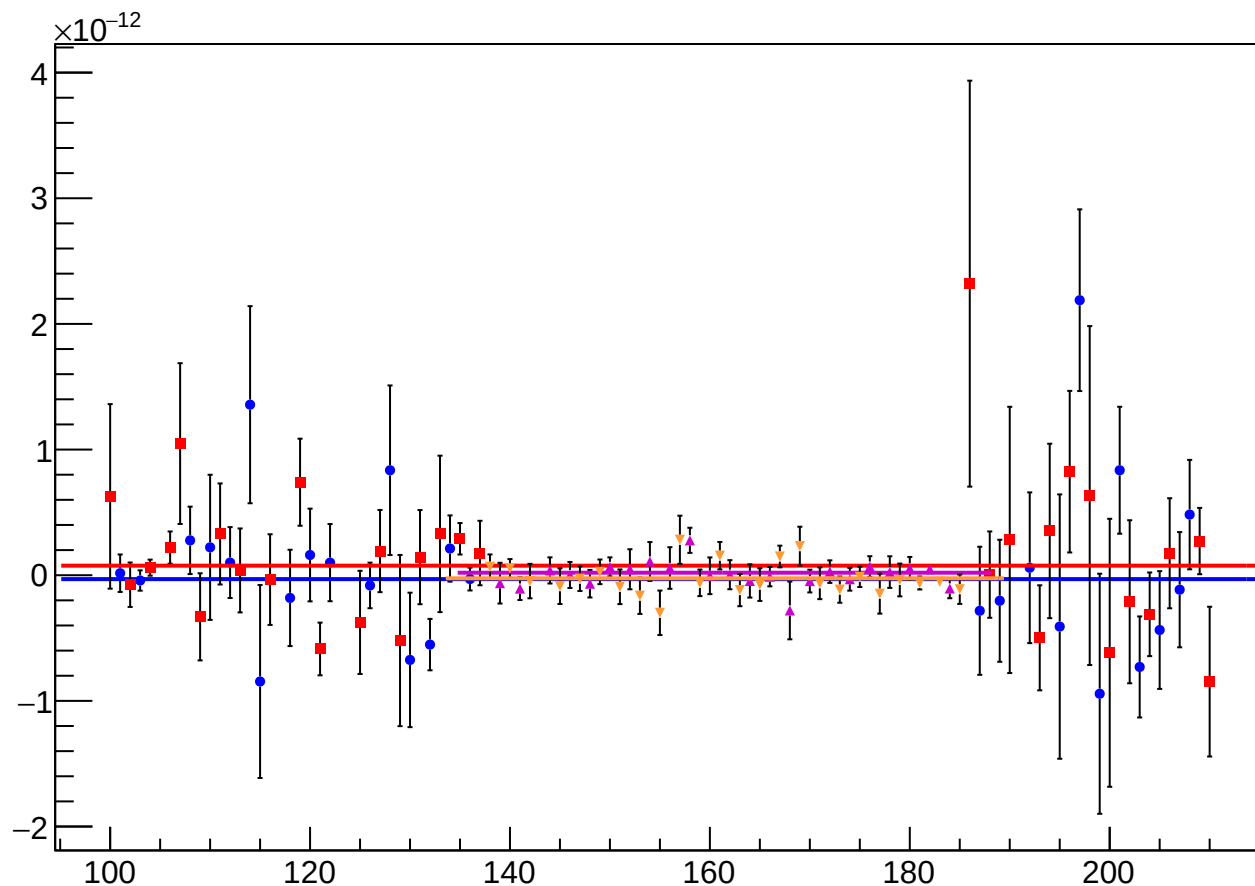
Left In: 355.993 $\pm$ 0.062 χ^2 /NDF:2420863.3/22

+ sign 268.212 $\pm$ 0.036 χ^2 /NDF: 8544493.0/50

All: 260.779 $\pm$ 0.024 χ^2 /NDF: 18192672.9/10

- sign 254.267 $\pm$ 0.033 χ^2 /NDF: 9566803.8/53

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.2/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:21.9/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.4/30

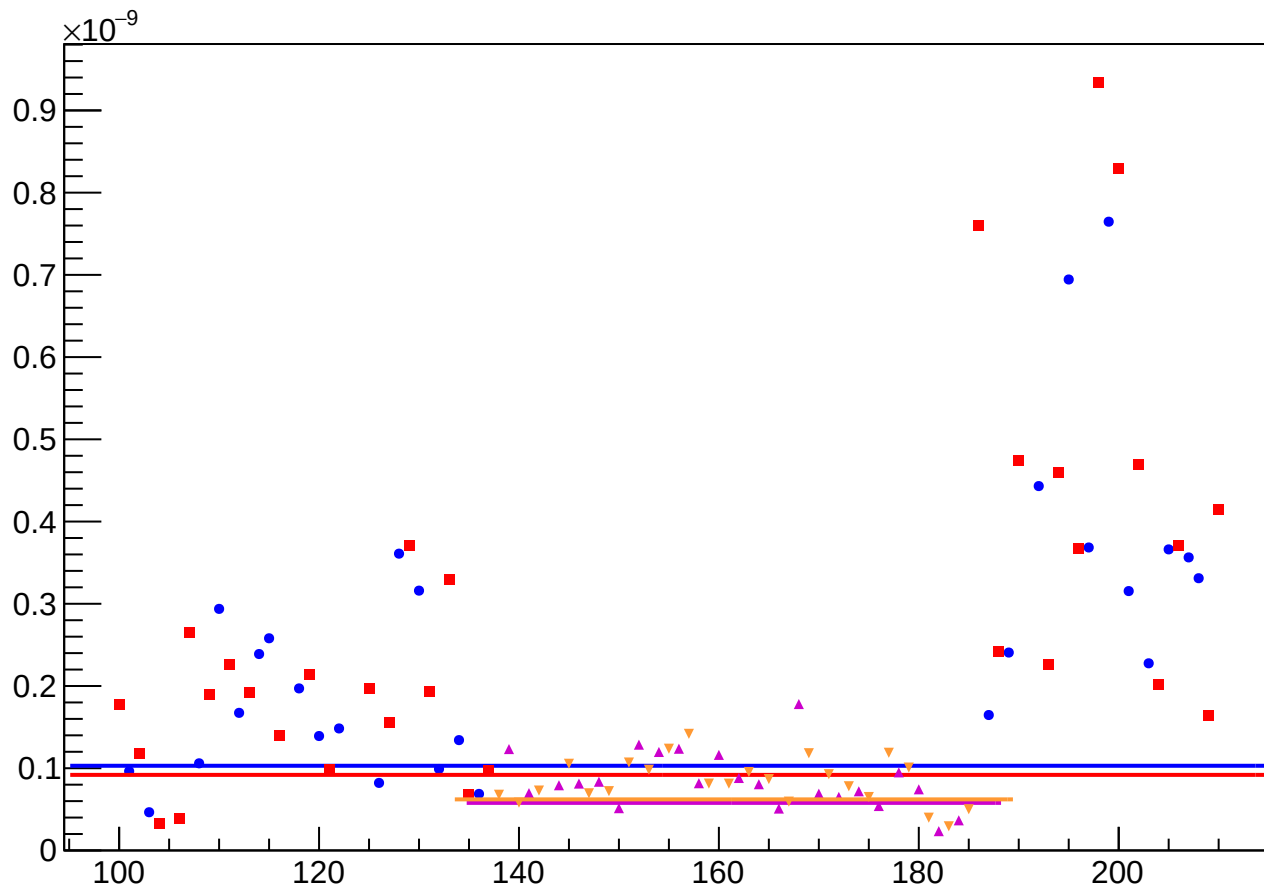
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:17.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 58.1/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 118.2/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 55.1/53

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7605754.2/26

Left Out: 0.000+/-0.000 χ^2/NDF : 4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 10465084.3/30

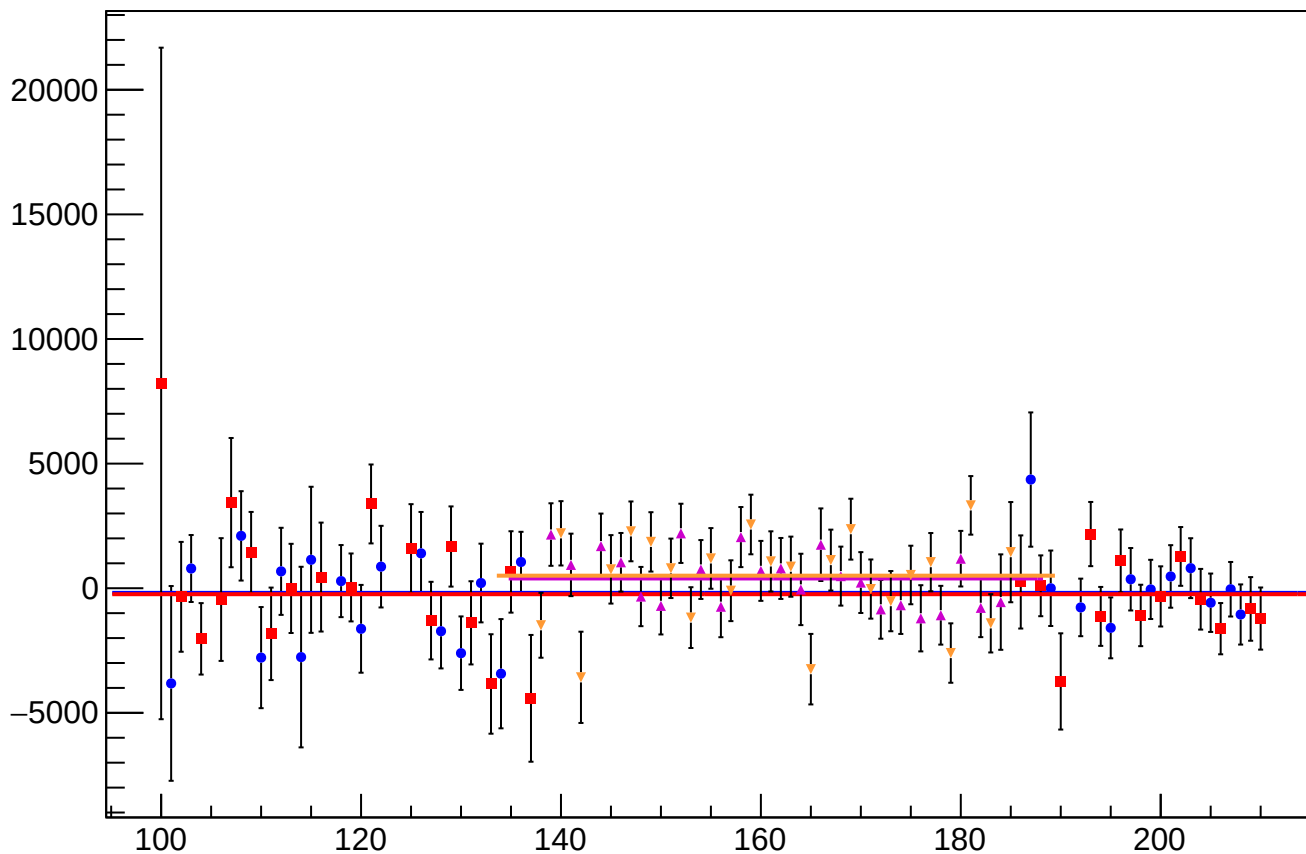
Left In: 0.000+/-0.000 χ^2/NDF : 5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 13092156.2/50

All: 0.000+/-0.000 χ^2/NDF : 30255226.8/104

- sign 0.000+/-0.000 χ^2/NDF : 17077185.9/53

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -186.340 ± 284.569 χ^2/NDF : 21.0/26

Left Out: 503.606 ± 255.531 χ^2/NDF : 44.6/23

Right Out: -239.845 ± 272.137 χ^2/NDF : 34.2/30

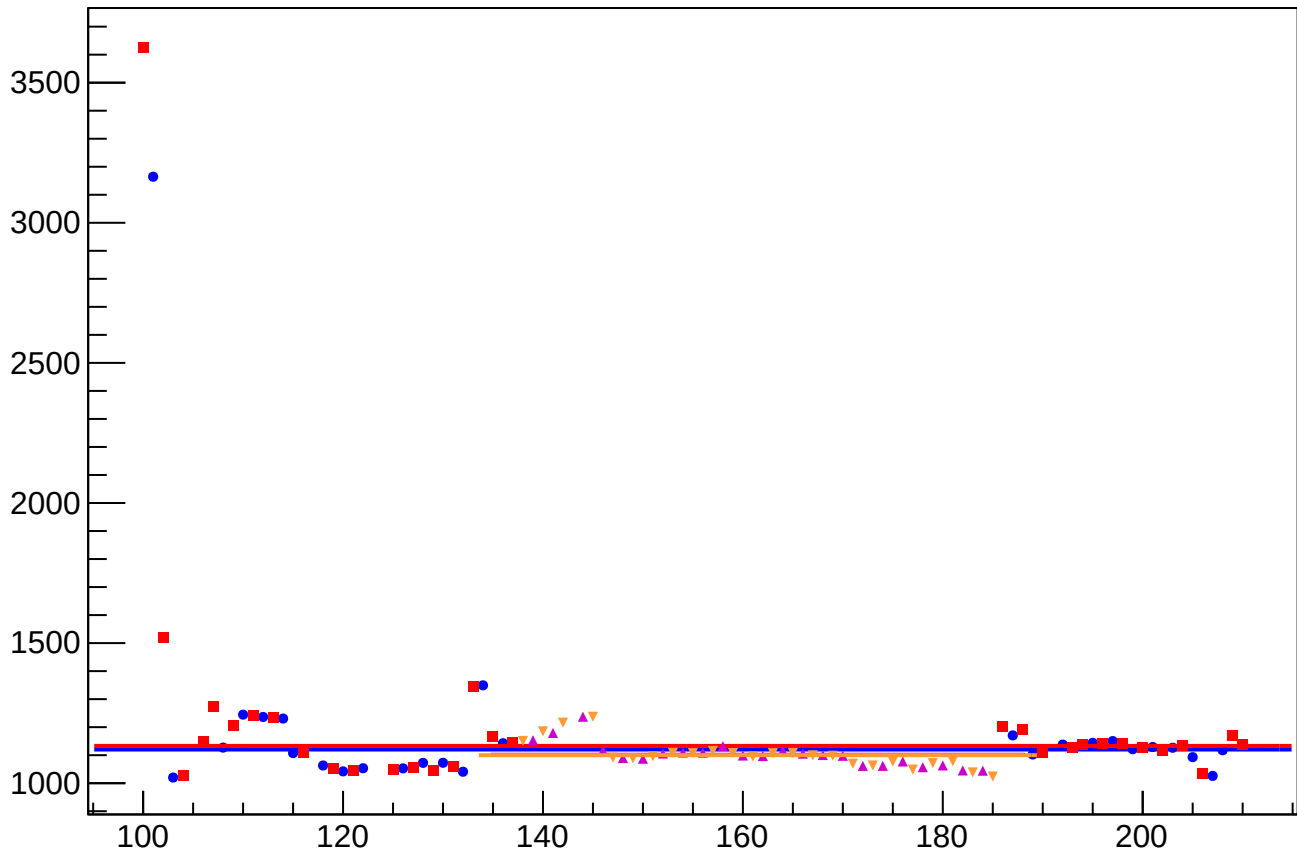
Left In: 391.701 ± 257.386 χ^2/NDF : 17.8/22

+ sign 195.621 ± 190.128 χ^2/NDF : 68.8/50

All: 143.717 ± 133.320 χ^2/NDF : 123.9/104

- sign 93.507 ± 186.997 χ^2/NDF : 54.9/53

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1120.256+/-0.201 χ^2 /NDF: 641450.0/26

Left Out: 1100.063+/-0.181 χ^2 /NDF: 58733.9/23

Right Out: 1133.157+/-0.192 χ^2 /NDF: 248991.9/30

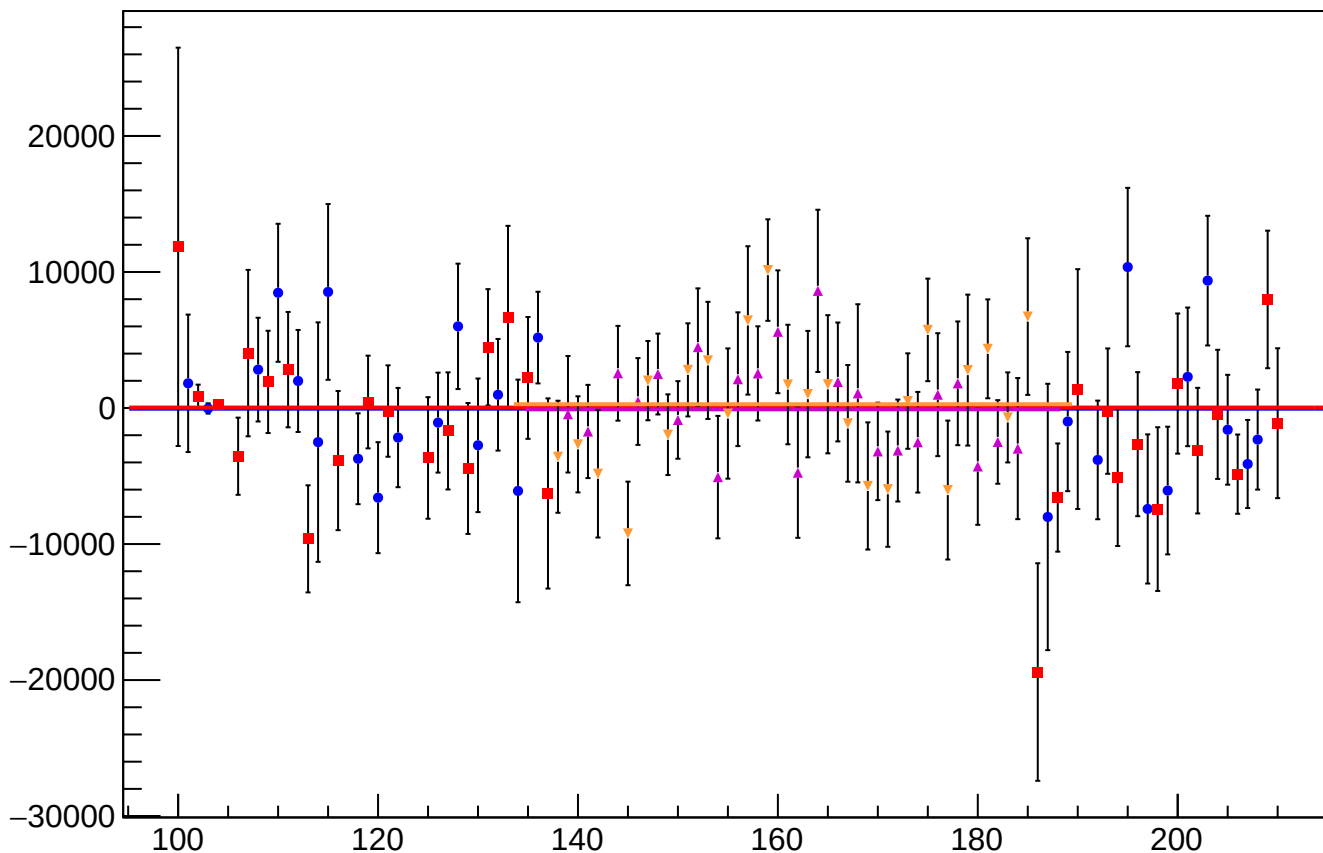
Left In: 1101.530+/-0.182 χ^2 /NDF: 52145.9/22

+ sign 1109.077+/-0.134 χ^2 /NDF: 705759.1/50

All: 1112.839+/-0.094 χ^2 /NDF: 1022706.0/10

- sign 1116.475+/-0.132 χ^2 /NDF: 315407.6/53

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug



Right In: -48.091 ± 346.268 χ^2/NDF : 29.2/26

Left Out: 277.507 ± 820.501 χ^2/NDF : 29.9/23

Right Out: 32.506 ± 313.542 χ^2/NDF : 33.4/30

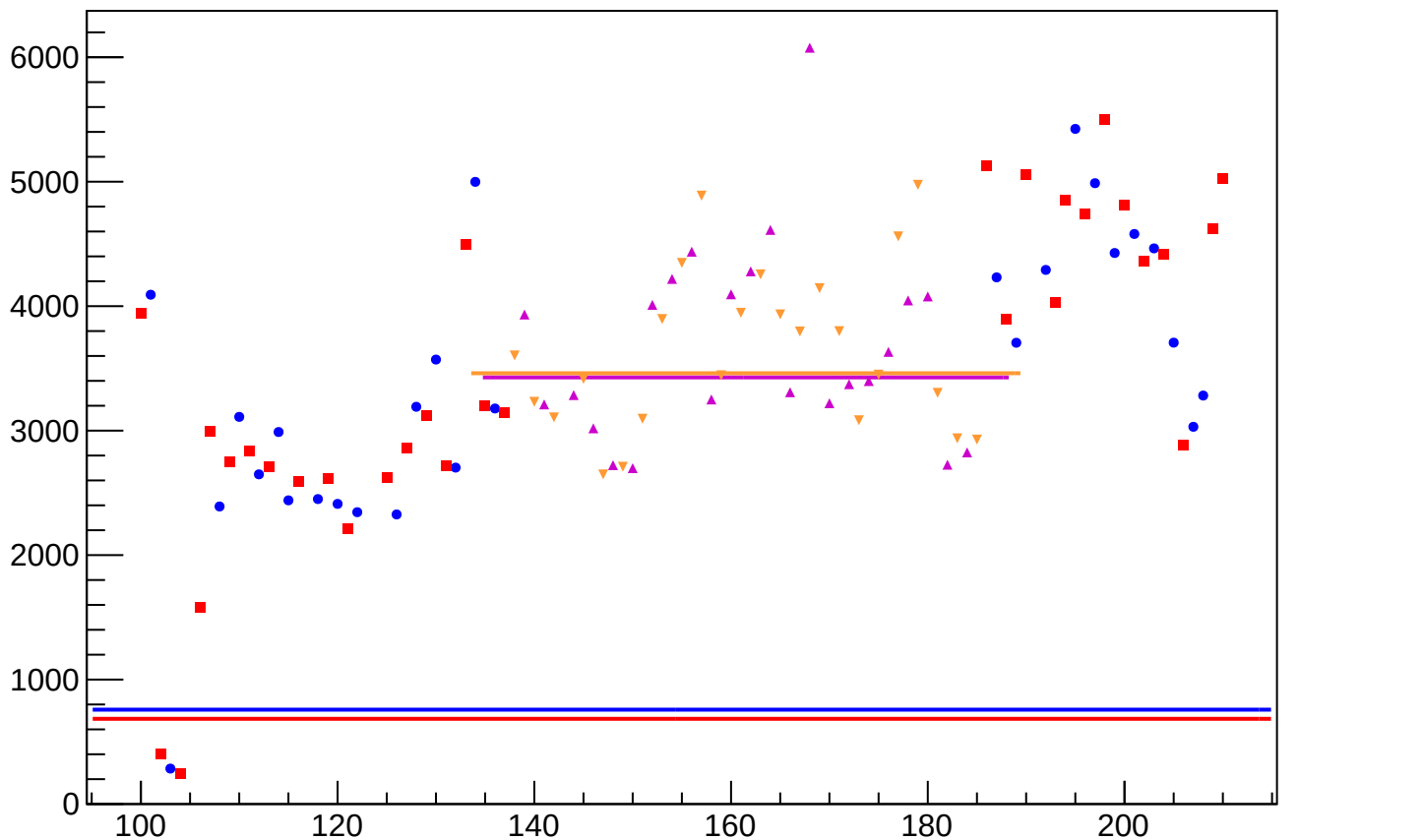
Left In: -94.734 ± 817.223 χ^2/NDF : 13.7/22

+ sign 1.132 ± 319.022 χ^2/NDF : 59.2/50

All: 9.301 ± 215.691 χ^2/NDF : 106.3/104

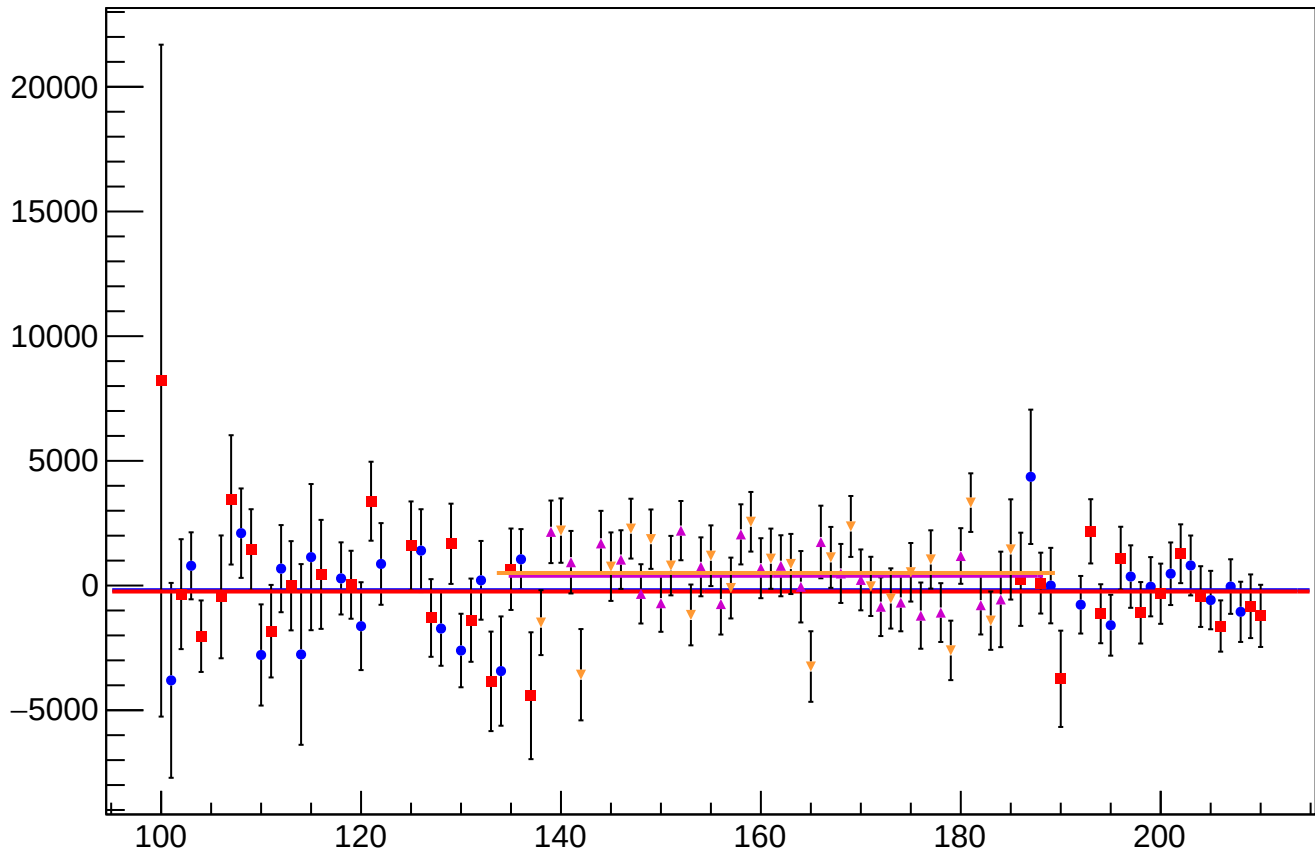
- sign 16.179 ± 292.736 χ^2/NDF : 47.0/53

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug



Right In: 758.427+/-0.245 χ^2/NDF : 21650205.1/26
 Left Out: 3461.259+/-0.580 χ^2/NDF : 1058687.1/23 + sign 1167.031+/-0.226 χ^2/NDF : 41130480.9/50
 Right Out: 684.793+/-0.222 χ^2/NDF : 24651072.0/30 All: 1096.311+/-0.153 χ^2/NDF : 86847578.2/1
 Left In: 3427.860+/-0.578 χ^2/NDF : 1243133.8/22 - sign 1036.764+/-0.207 χ^2/NDF : 45536058.9/53

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -186.307 ± 284.569 χ^2/NDF : 21.0/26

Left Out: 503.679 ± 255.531 χ^2/NDF : 44.6/23

Right Out: -239.863 ± 272.137 χ^2/NDF : 34.2/30

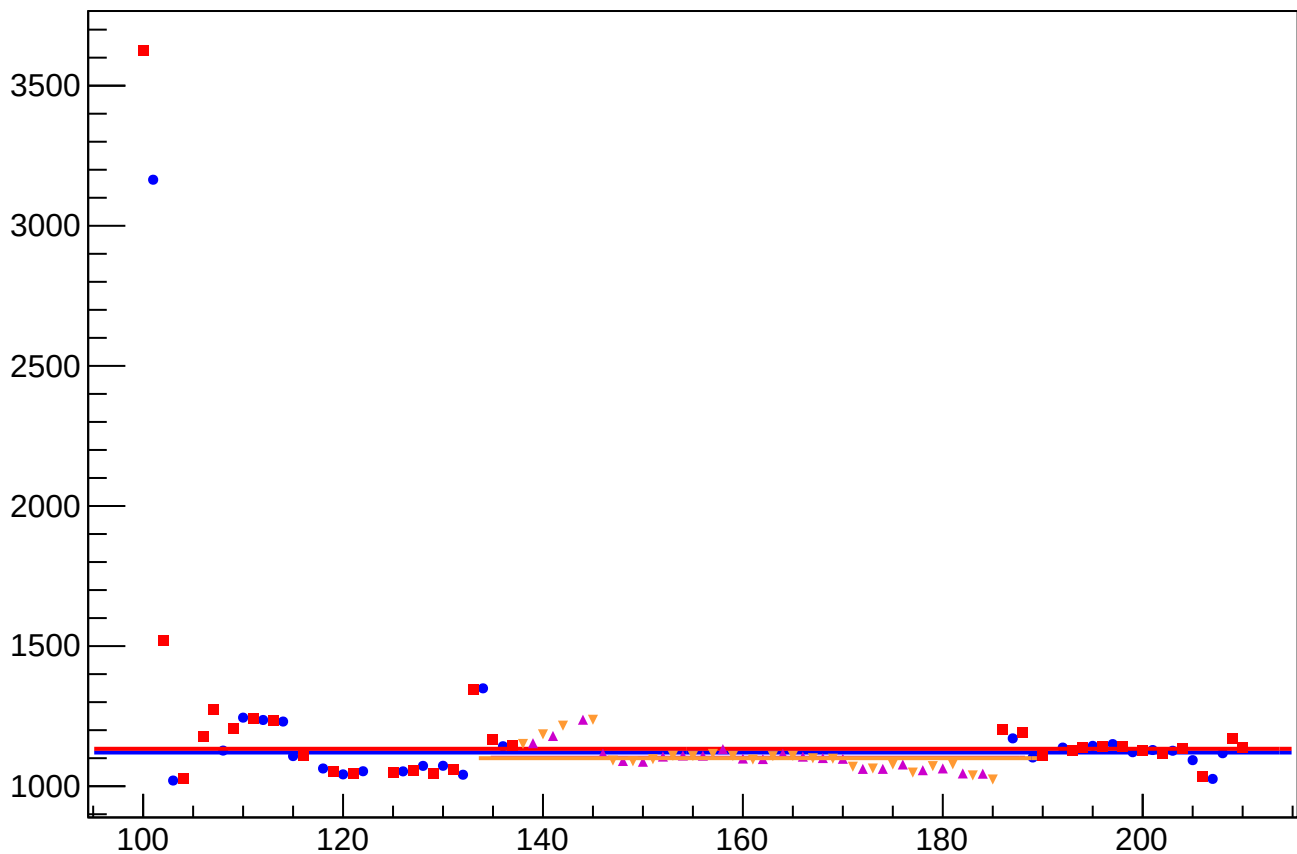
Left In: 391.689 ± 257.386 χ^2/NDF : 17.8/22

+ sign 195.676 ± 190.128 χ^2/NDF : 68.8/50

All: 143.736 ± 133.320 χ^2/NDF : 123.9/104

- sign 93.492 ± 186.997 χ^2/NDF : 54.9/53

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1120.256 $\pm$ 0.201 χ^2 /NDF: 641451.1/26

Left Out: 1100.063 $\pm$ 0.181 χ^2 /NDF: 58733.9/23

Right Out: 1133.536 $\pm$ 0.192 χ^2 /NDF: 249616.2/30

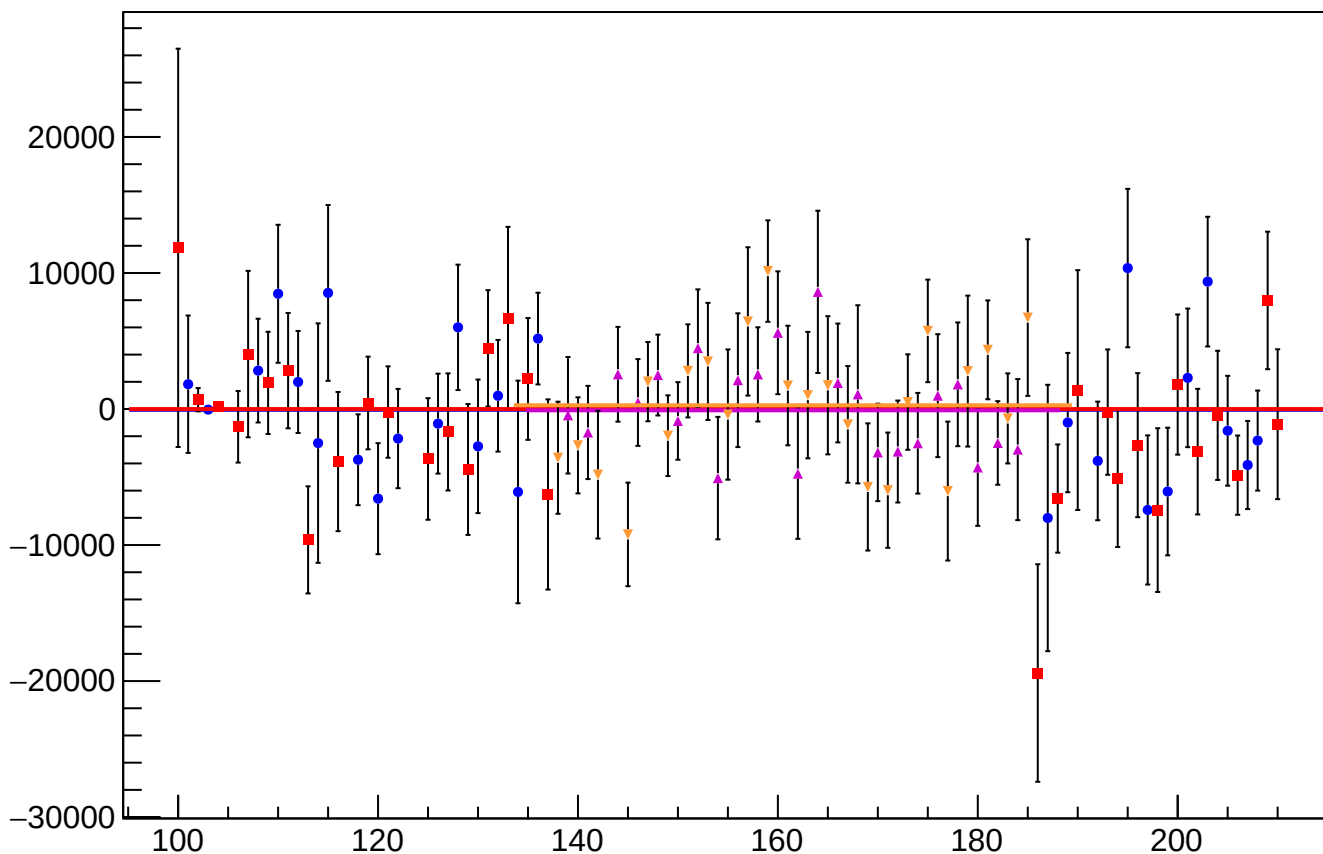
Left In: 1101.530 $\pm$ 0.182 χ^2 /NDF: 52145.9/22

+ sign 1109.077 $\pm$ 0.134 χ^2 /NDF: 705760.1/50

All: 1112.925 $\pm$ 0.094 χ^2 /NDF: 1023739.0/10

- sign 1116.645 $\pm$ 0.132 χ^2 /NDF: 316368.0/53

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug



Right In: -57.916 ± 334.315 χ^2/NDF : 29.2/26

Left Out: 277.536 ± 820.502 χ^2/NDF : 29.9/23

Right Out: -5.380 ± 308.780 χ^2/NDF : 31.6/30

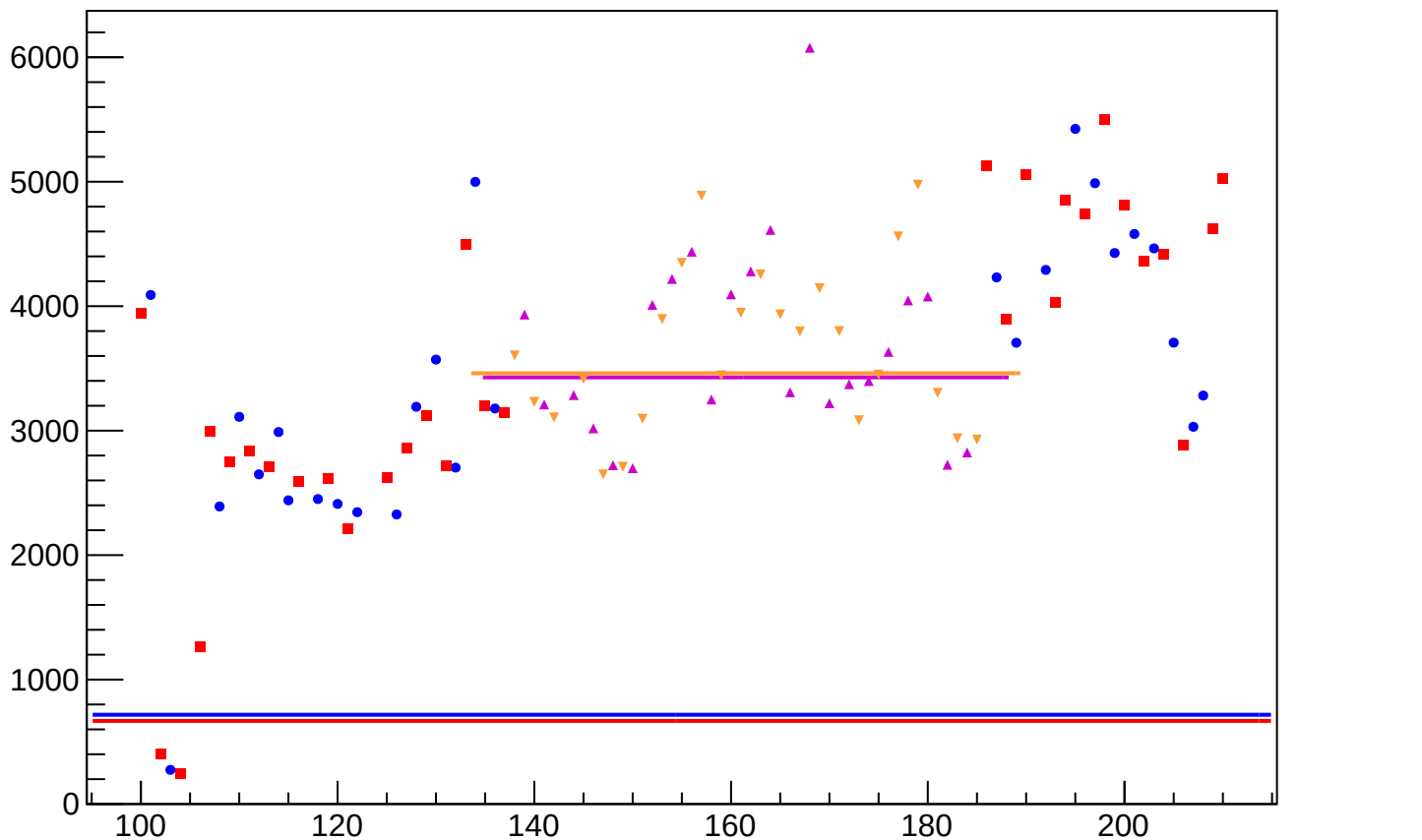
Left In: -94.742 ± 817.222 χ^2/NDF : 13.7/22

+ sign -10.155 ± 309.602 χ^2/NDF : 59.2/50

All: -13.570 ± 211.203 χ^2/NDF : 104.5/104

- sign -16.543 ± 288.849 χ^2/NDF : 45.3/53

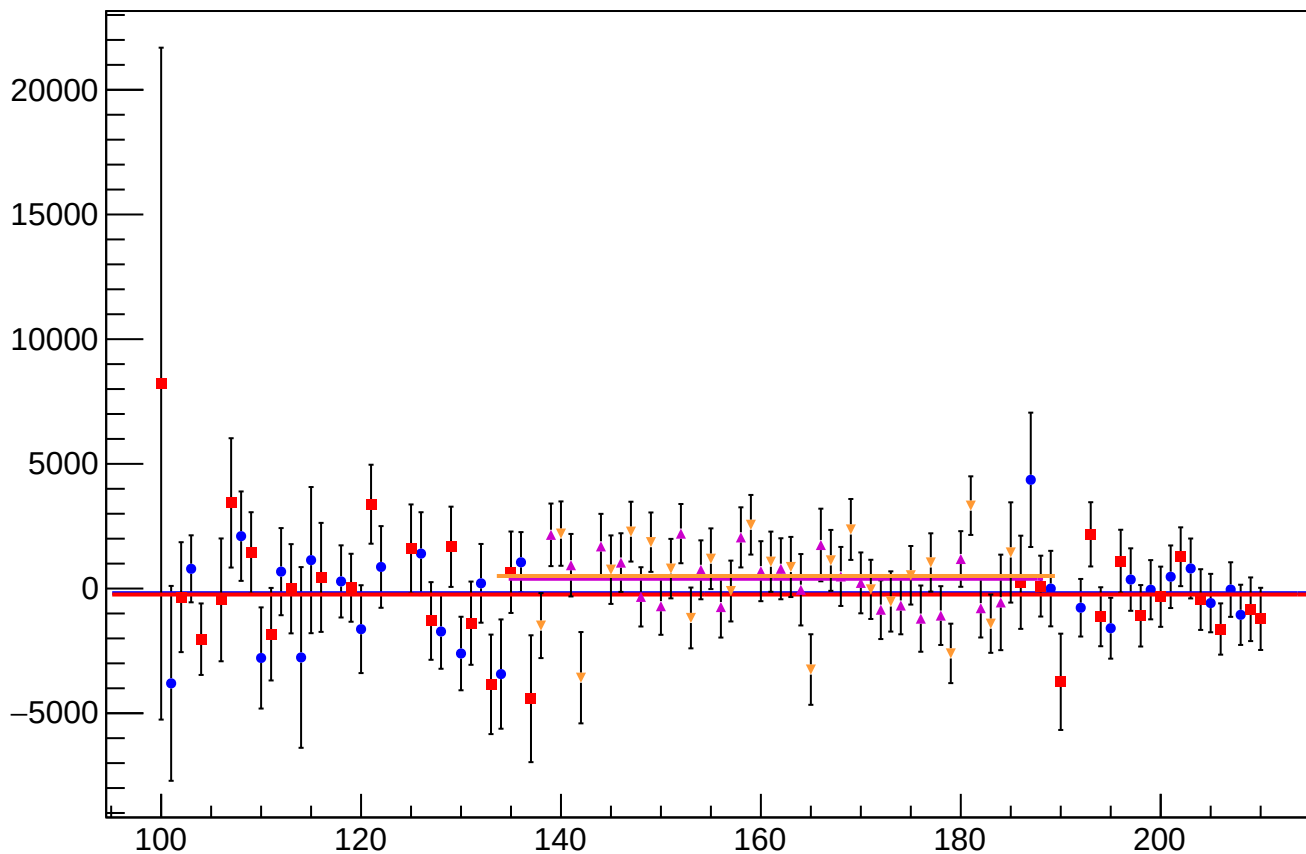
asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug



Right In: 717.500 $\pm$ 0.236 χ^2 /NDF: 22043115.7/26
 Left Out: 3461.261 $\pm$ 0.580 χ^2 /NDF:1058691.8/23
 Right Out: 668.001 $\pm$ 0.218 χ^2 /NDF: 24688967.8/30
 Left In: 3427.857 $\pm$ 0.578 χ^2 /NDF:1243147.4/22

+ sign 1108.156 $\pm$ 0.219 χ^2 /NDF: 42282249.0/50
 All: 1057.167 $\pm$ 0.149 χ^2 /NDF: 88276090.2/1
 - sign 1012.784 $\pm$ 0.204 χ^2 /NDF: 45892375.2/53

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -186.307 ± 284.569 χ^2/NDF : 21.0/26

Left Out: 503.679 ± 255.531 χ^2/NDF : 44.6/23

Right Out: -239.863 ± 272.137 χ^2/NDF : 34.2/30

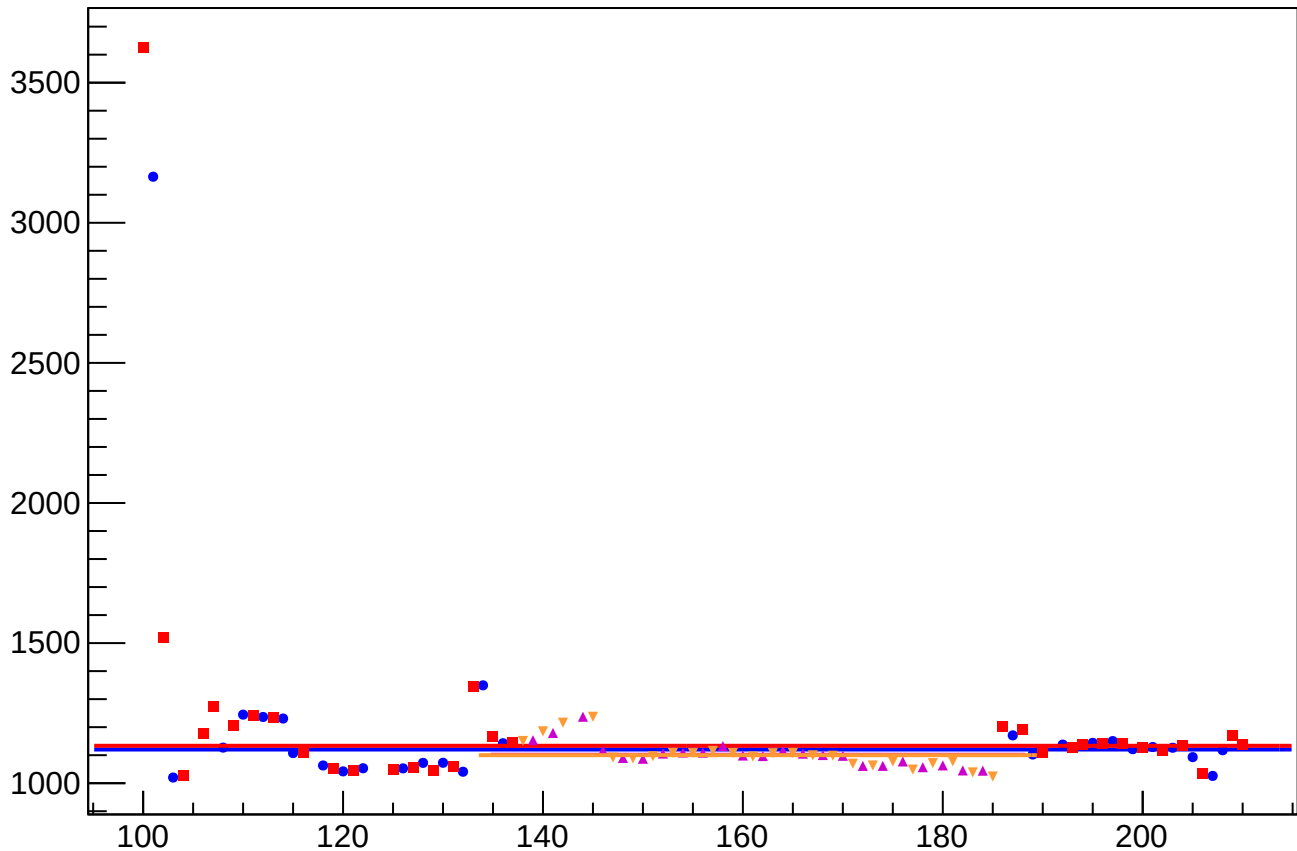
Left In: 391.689 ± 257.386 χ^2/NDF : 17.8/22

+ sign 195.676 ± 190.128 χ^2/NDF : 68.8/50

All: 143.736 ± 133.320 χ^2/NDF : 123.9/104

- sign 93.492 ± 186.997 χ^2/NDF : 54.9/53

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1120.256+/-0.201 χ^2/NDF : 641451.1/26

Left Out: 1100.063+/-0.181 χ^2/NDF : 58733.9/23

Right Out: 1133.536+/-0.192 χ^2/NDF : 249616.2/30

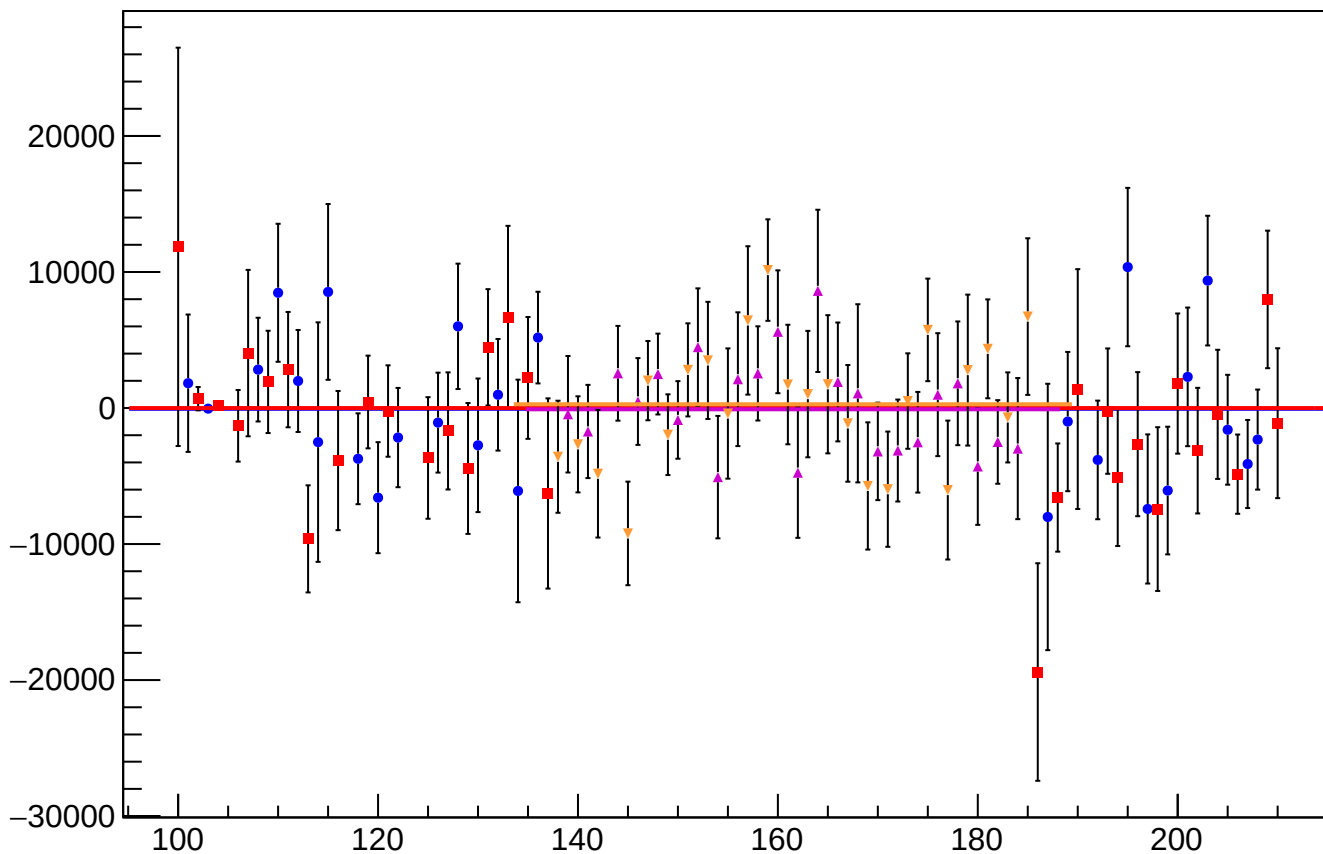
Left In: 1101.530+/-0.182 χ^2/NDF : 52145.9/22

+ sign 1109.077+/-0.134 χ^2/NDF : 705760.1/50

All: 1112.925+/-0.094 χ^2/NDF : 1023739.0/10

- sign 1116.645+/-0.132 χ^2/NDF : 316368.0/53

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: -57.916 ± 334.315 χ^2/NDF : 29.2/26

Left Out: 277.536 ± 820.502 χ^2/NDF : 29.9/23

Right Out: -5.380 ± 308.780 χ^2/NDF : 31.6/30

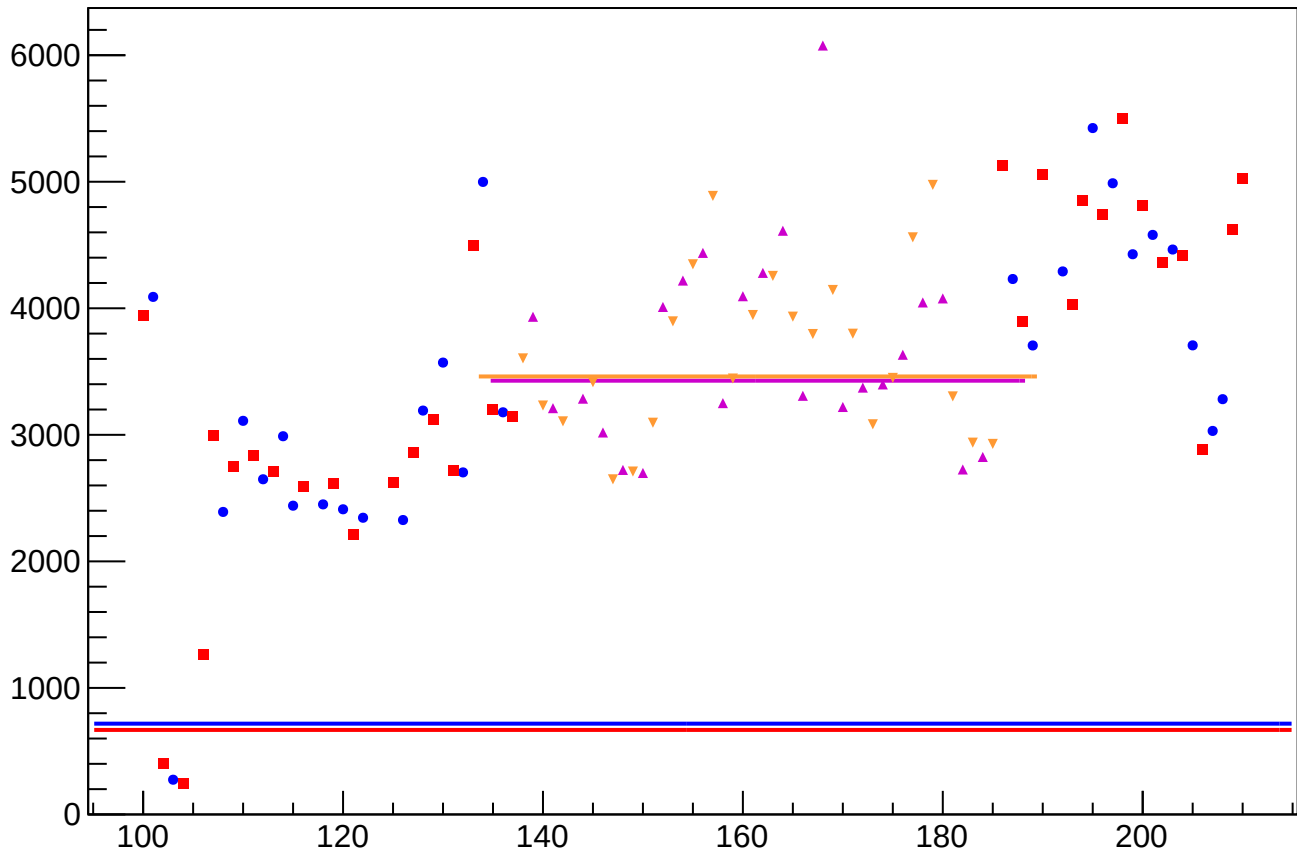
Left In: -94.742 ± 817.222 χ^2/NDF : 13.7/22

+ sign -10.155 ± 309.602 χ^2/NDF : 59.2/50

All: -13.570 ± 211.203 χ^2/NDF : 104.5/104

- sign -16.543 ± 288.849 χ^2/NDF : 45.3/53

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 717.500 $\pm$ 0.236 χ^2 /NDF: 22043115.7/26

Left Out: 3461.261 $\pm$ 0.580 χ^2 /NDF: 1058691.8/23

Right Out: 668.001 $\pm$ 0.218 χ^2 /NDF: 24688967.8/30

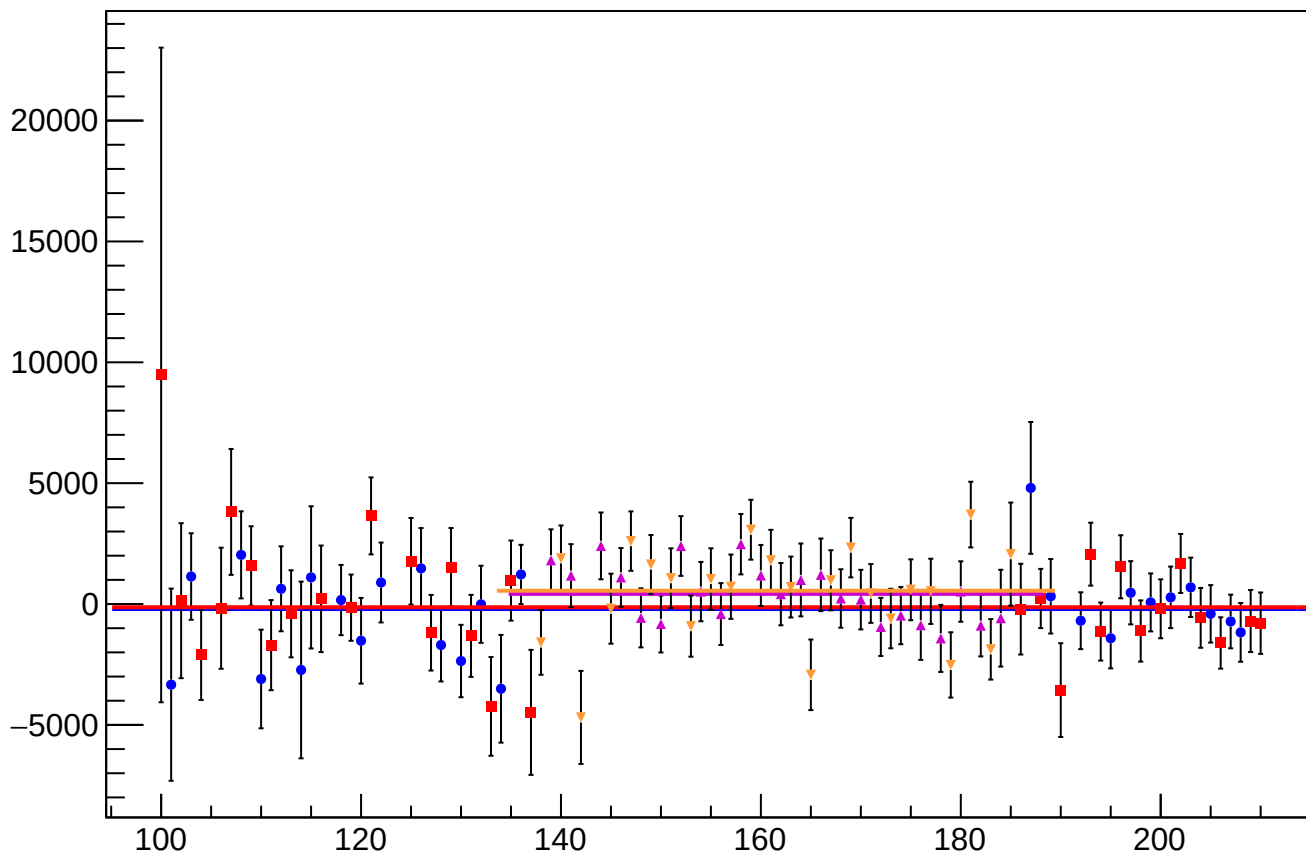
Left In: 3427.857 $\pm$ 0.578 χ^2 /NDF: 1243147.4/22

+ sign 1108.156 $\pm$ 0.219 χ^2 /NDF: 42282249.0/50

All: 1057.167 $\pm$ 0.149 χ^2 /NDF: 88276090.2/1

- sign 1012.784 $\pm$ 0.204 χ^2 /NDF: 45892375.2/53

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -206.499 ± 291.280 χ^2/NDF : 20.8/26

Left Out: 550.661 ± 269.206 χ^2/NDF : 45.2/23

Right Out: -133.446 ± 279.258 χ^2/NDF : 35.6/30

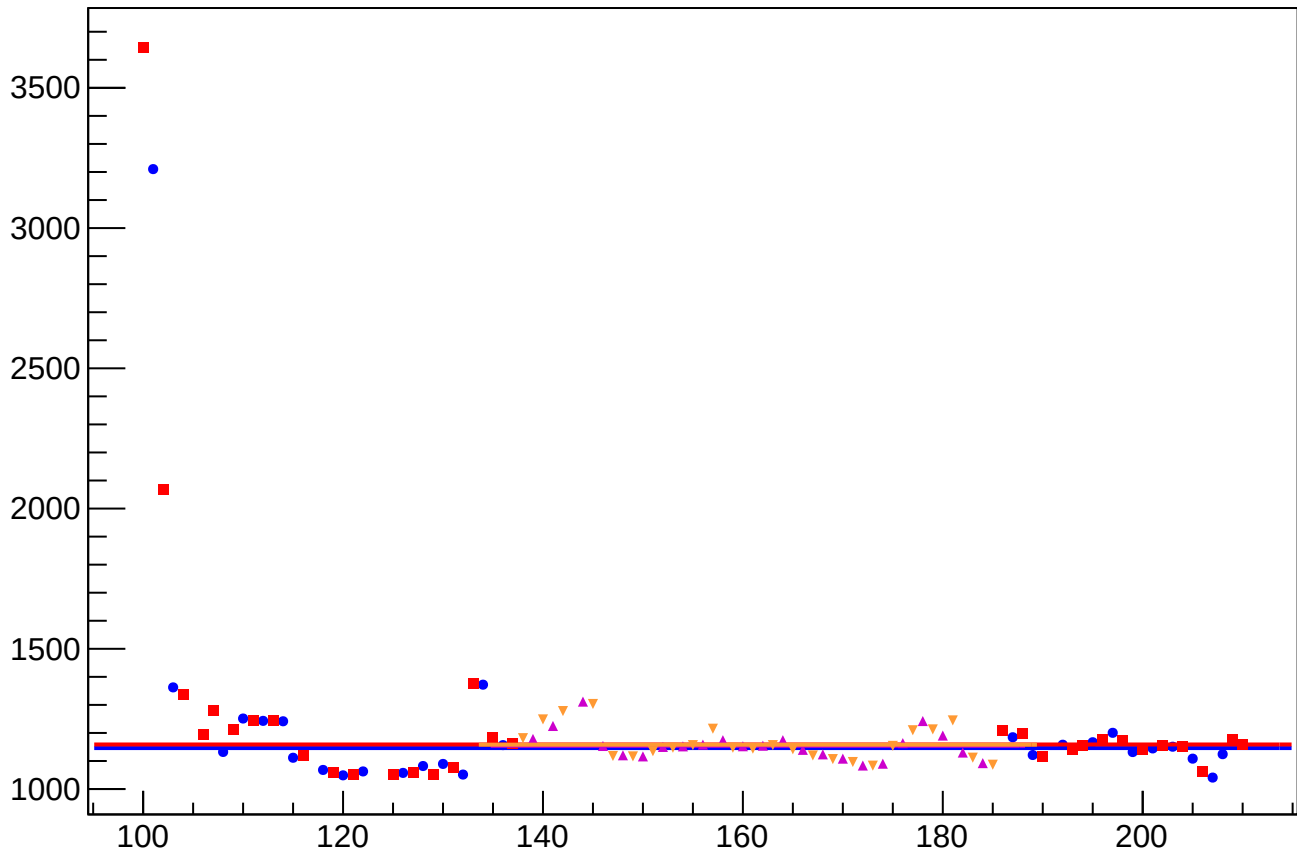
Left In: 421.023 ± 269.815 χ^2/NDF : 18.0/22

+ sign 201.854 ± 197.701 χ^2/NDF : 69.7/50

All: 177.135 ± 138.483 χ^2/NDF : 125.3/104

- sign 153.322 ± 194.041 χ^2/NDF : 55.6/53

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1146.075 $\pm$ 0.206 χ^2 /NDF: 664296.0/26

Left Out: 1158.177 $\pm$ 0.190 χ^2 /NDF: 84111.8/23

Right Out: 1158.886 $\pm$ 0.197 χ^2 /NDF: 356028.9/30

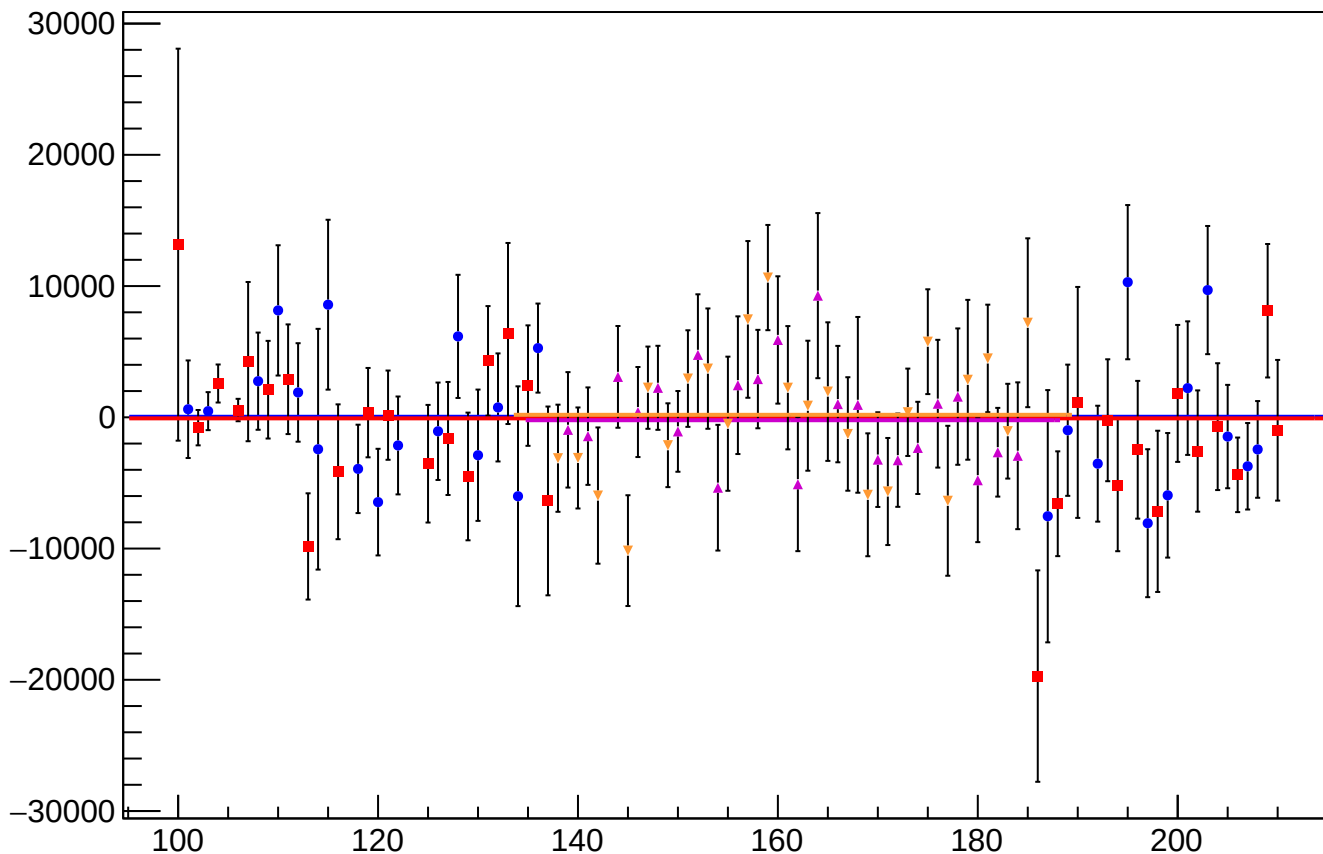
Left In: 1154.231 $\pm$ 0.191 χ^2 /NDF: 66476.9/22

+ sign 1152.602 $\pm$ 0.140 χ^2 /NDF: 750269.8/50

All: 1154.576 $\pm$ 0.098 χ^2 /NDF: 1173454.9/10

- sign 1156.478 $\pm$ 0.137 χ^2 /NDF: 422793.3/53

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 41.138+/-739.927 χ^2/NDF : 28.8/26

Left Out: 189.735+/-869.432 χ^2/NDF : 29.3/23

Right Out: -79.425+/-520.837 χ^2/NDF : 33.9/30

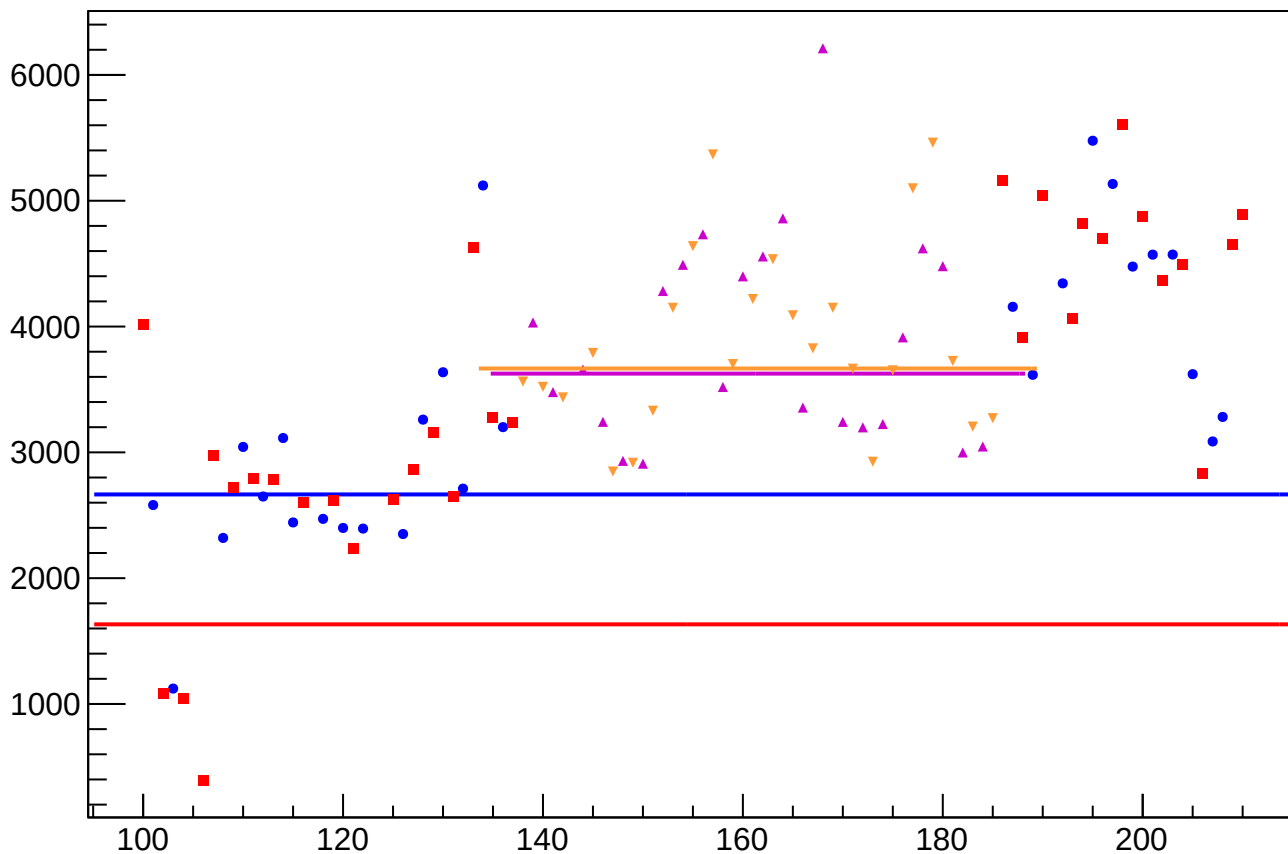
Left In: -221.361+/-864.775 χ^2/NDF : 13.4/22

+ sign 103.556+/-563.489 χ^2/NDF : 58.1/50

All: -32.136+/-349.792 χ^2/NDF : 105.5/104

- sign -117.206+/-446.165 χ^2/NDF : 47.3/53

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug



Right In: 2665.536 $\pm$ 0.523 χ^2 /NDF: 5013238.3/26

Left Out: 3666.536 $\pm$ 0.615 χ^2 /NDF:1095831.4/23

Right Out: 1632.941 $\pm$ 0.368 χ^2 /NDF: 15323438.5/30

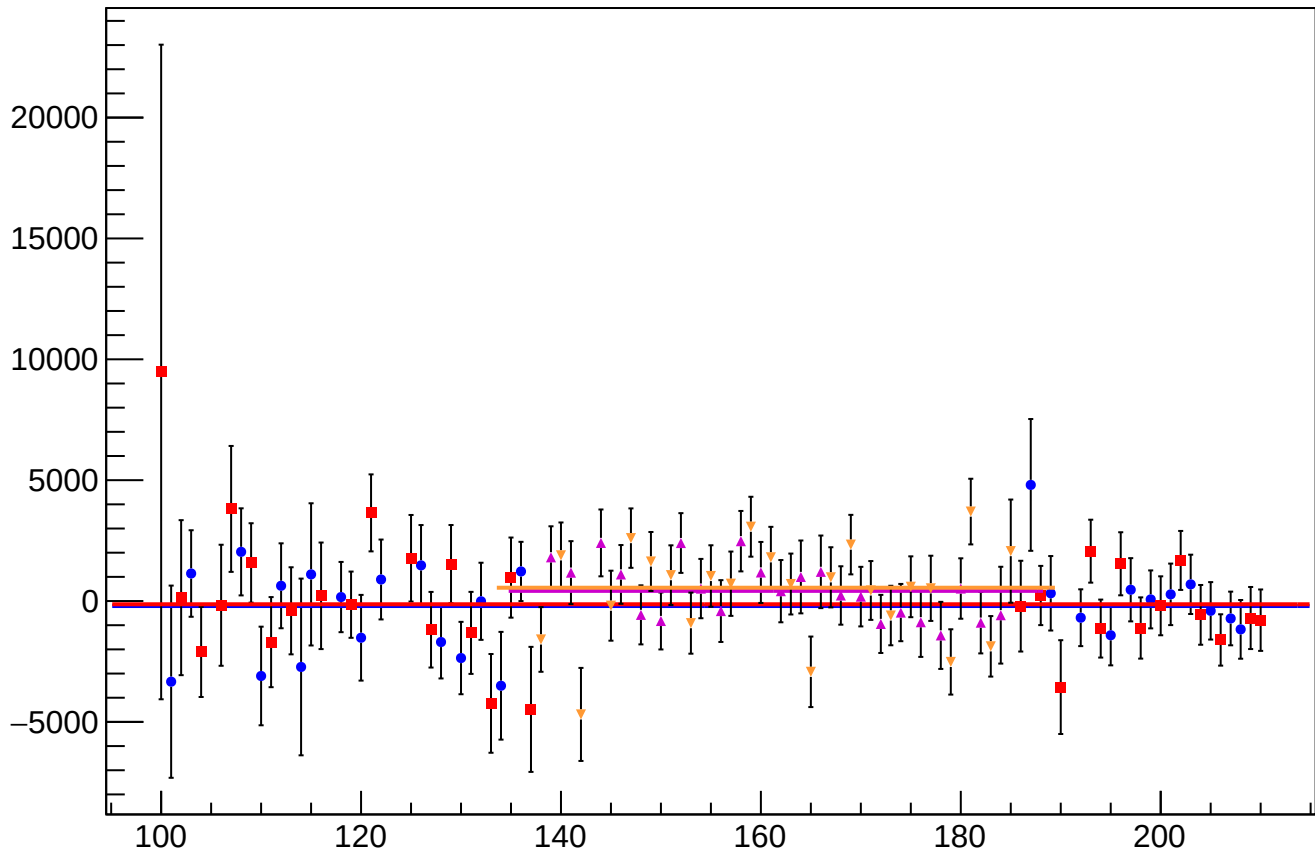
Left In: 3625.940 $\pm$ 0.611 χ^2 /NDF:1257928.4/22

+ sign 3086.004 $\pm$ 0.398 χ^2 /NDF: 7646581.2/50

All: 2518.951 $\pm$ 0.247 χ^2 /NDF: 35318250.4/100

- sign 2163.448 $\pm$ 0.315 χ^2 /NDF: 24376511.4/53

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -206.497 ± 291.280 $\chi^2/\text{NDF}: 20.8/26$

Left Out: 550.663 ± 269.206 $\chi^2/\text{NDF}: 45.2/23$

Right Out: -133.446 ± 279.258 $\chi^2/\text{NDF}: 35.6/30$

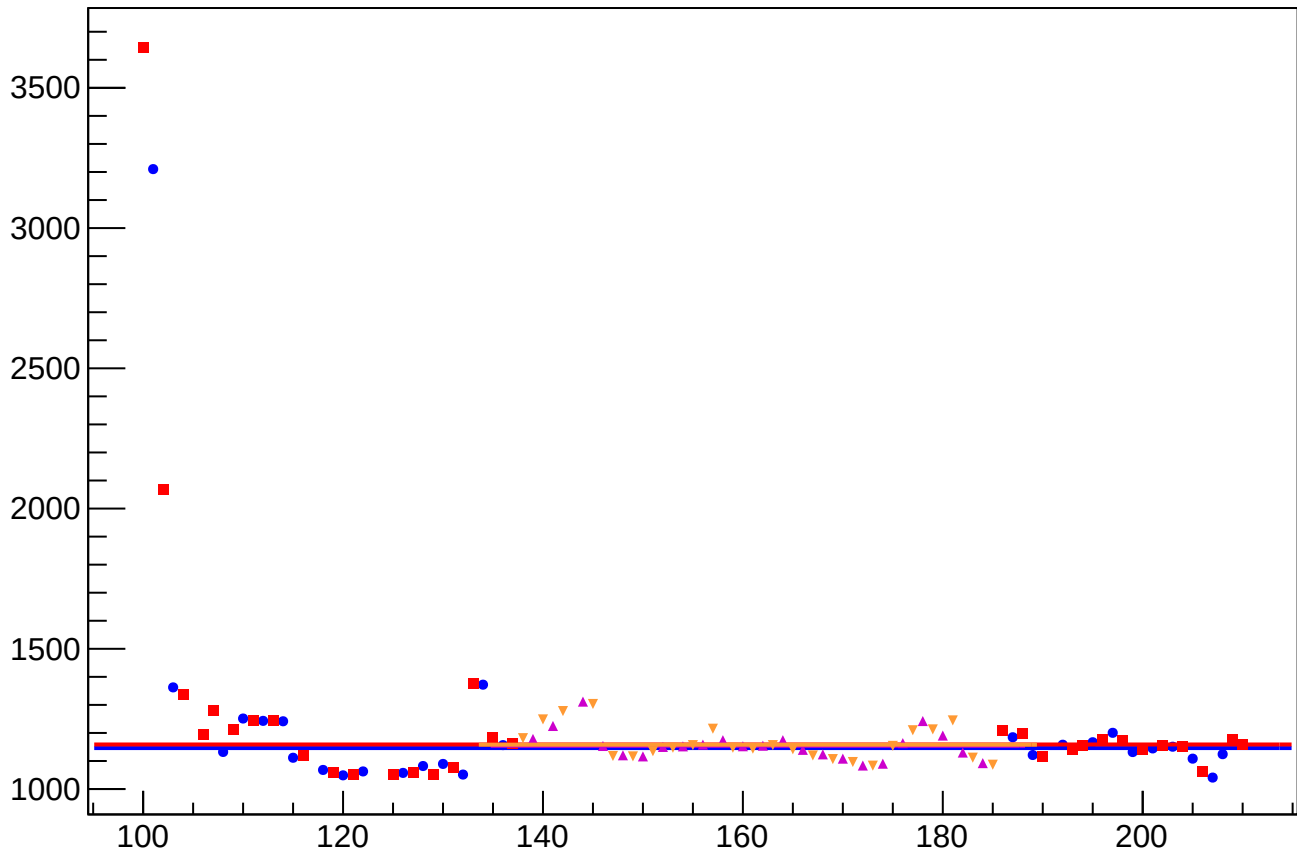
Left In: 421.022 ± 269.815 $\chi^2/\text{NDF}: 18.0/22$

+ sign 201.856 ± 197.701 $\chi^2/\text{NDF}: 69.7/50$

All: 177.135 ± 138.484 $\chi^2/\text{NDF}: 125.3/104$

- sign 153.321 ± 194.041 $\chi^2/\text{NDF}: 55.6/53$

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1146.075+/-0.206 χ^2/NDF : 664296.3/26

Left Out: 1158.178+/-0.190 χ^2/NDF : 84114.3/23

Right Out: 1158.886+/-0.197 χ^2/NDF : 356028.7/30

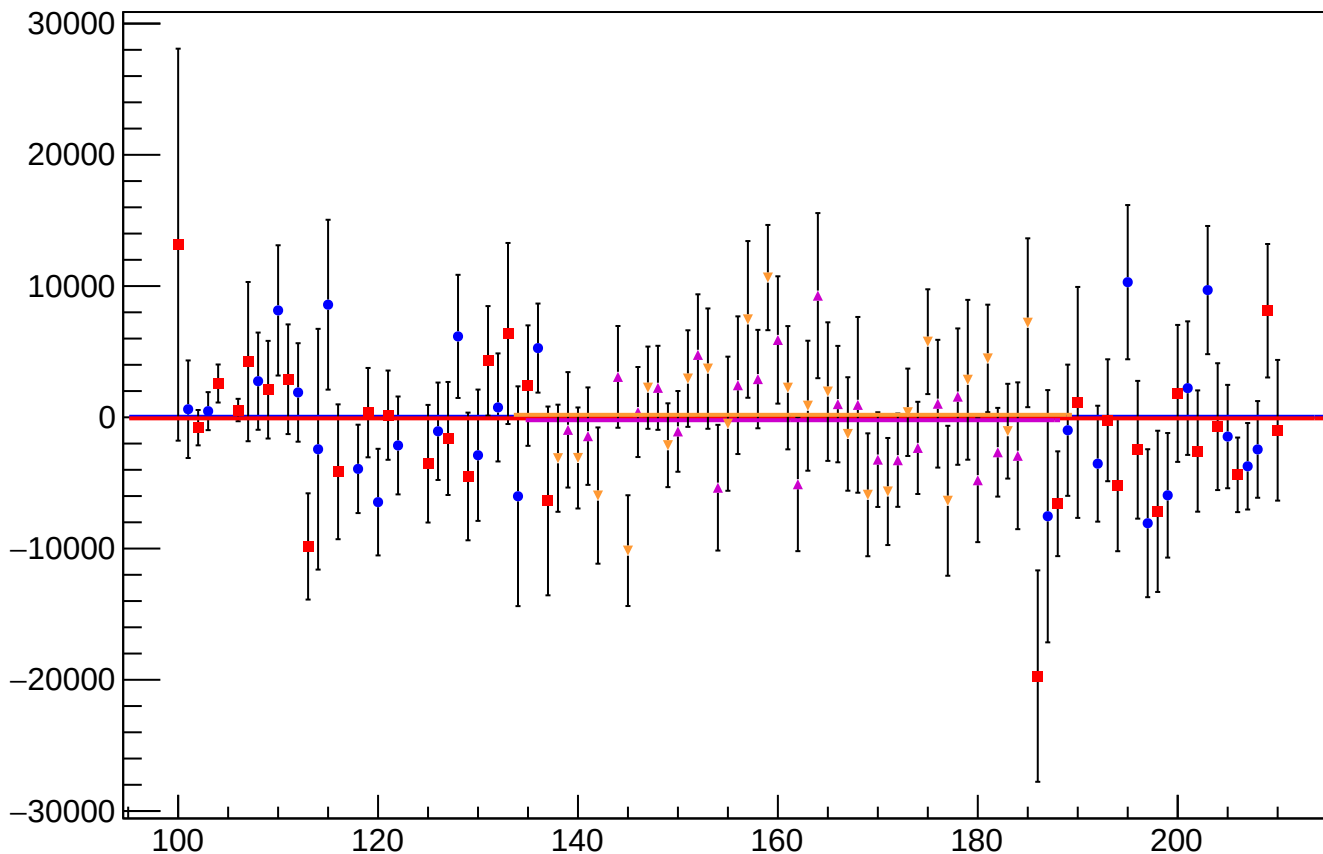
Left In: 1154.232+/-0.191 χ^2/NDF : 66479.5/22

+ sign 1152.602+/-0.140 χ^2/NDF : 750273.0/50

All: 1154.577+/-0.098 χ^2/NDF : 1173460.2/10

- sign 1156.479+/-0.137 χ^2/NDF : 422795.5/53

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 41.136+/-739.927 χ^2/NDF : 28.8/26

Left Out: 189.735+/-869.434 χ^2/NDF : 29.3/23

Right Out: -79.414+/-520.832 χ^2/NDF : 33.9/30

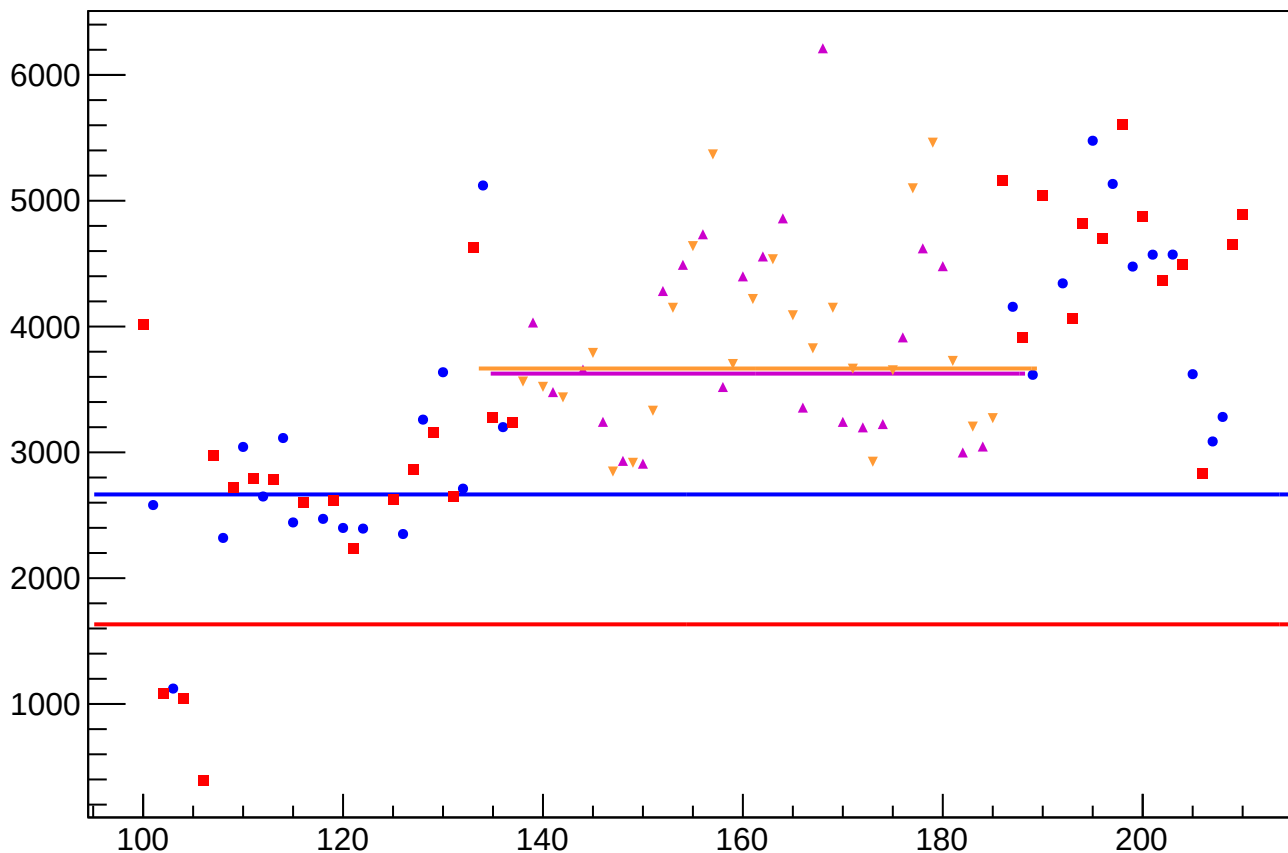
Left In: -221.363+/-864.776 χ^2/NDF : 13.4/22

+ sign 103.554+/-563.489 χ^2/NDF : 58.1/50

All: -32.133+/-349.791 χ^2/NDF : 105.5/104

- sign -117.198+/-446.161 χ^2/NDF : 47.3/53

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 2665.533 $\pm$ 0.523 χ^2 /NDF: 5013257.6/26

Left Out: 3666.541 $\pm$ 0.615 χ^2 /NDF:1095834.2/23

Right Out: 1632.912 $\pm$ 0.368 χ^2 /NDF: 15323745.5/30

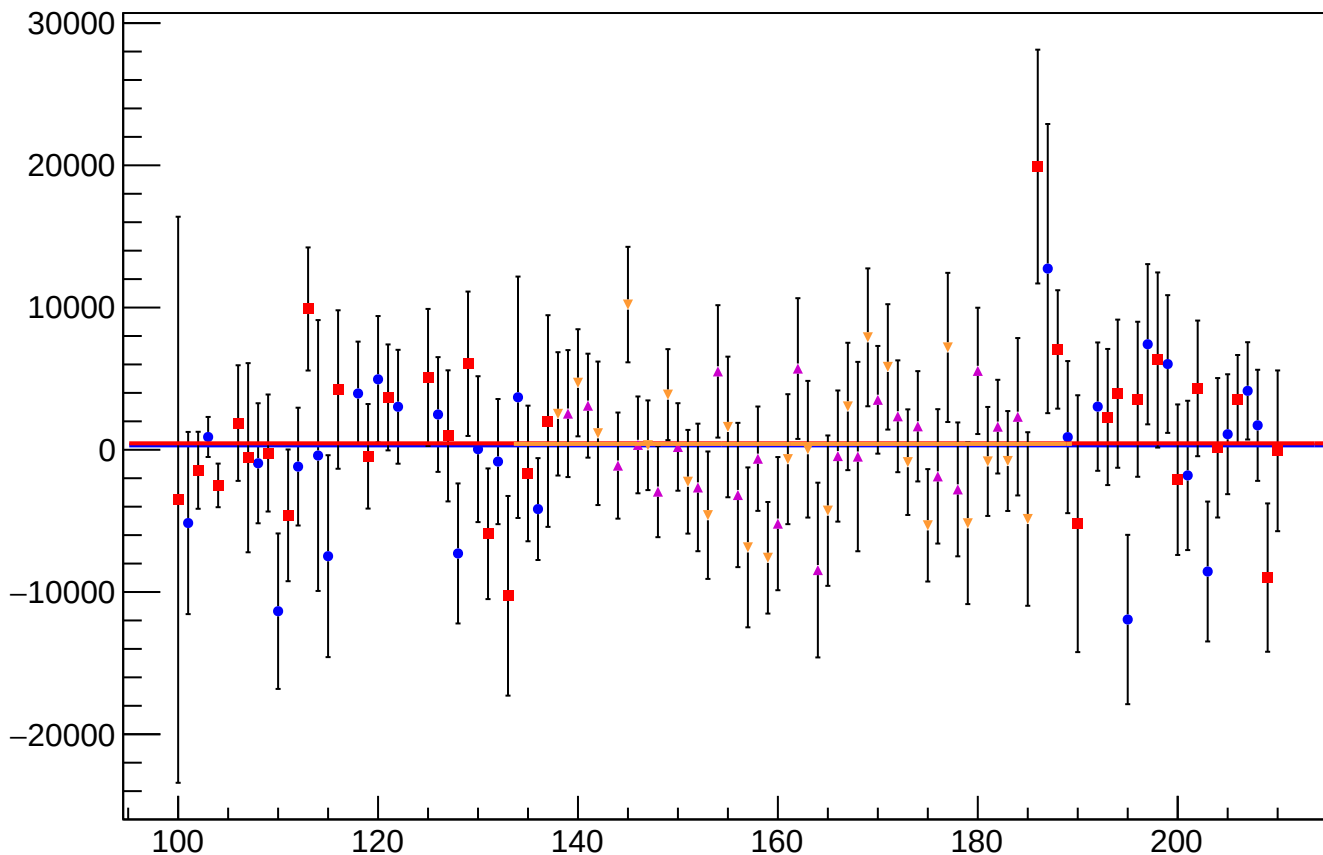
Left In: 3625.945 $\pm$ 0.611 χ^2 /NDF:1257933.0/22

+ sign 3086.004 $\pm$ 0.398 χ^2 /NDF: 7646626.3/50

All: 2518.930 $\pm$ 0.247 χ^2 /NDF: 35319119.7/1

- sign 2163.419 $\pm$ 0.315 χ^2 /NDF: 24377114.9/53

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 309.503 ± 775.989 χ^2/NDF : 27.8/26

Left Out: 413.494 ± 865.331 χ^2/NDF : 27.2/23

Right Out: 454.859 ± 753.311 χ^2/NDF : 33.8/30

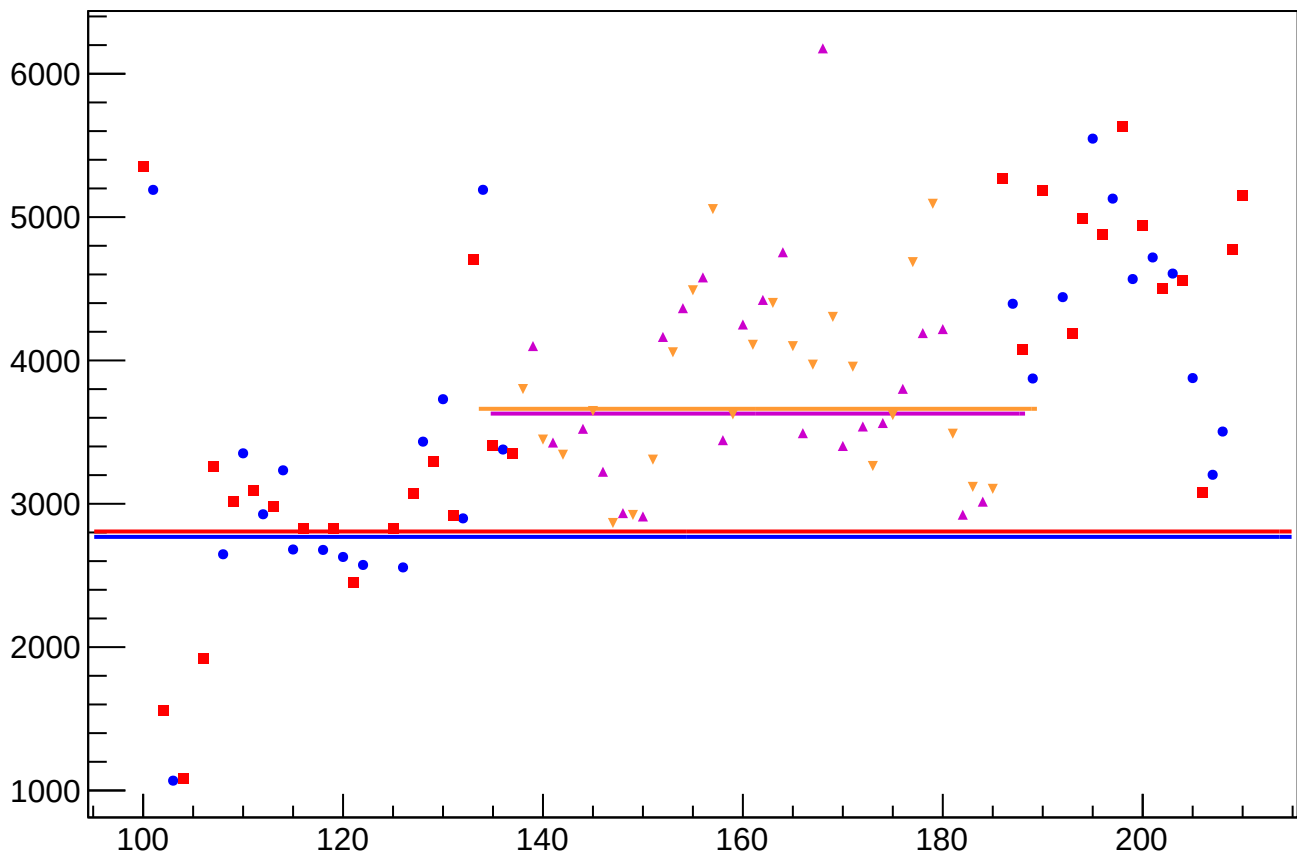
Left In: 403.543 ± 862.437 χ^2/NDF : 12.3/22

+ sign 355.855 ± 577.720 χ^2/NDF : 55.0/50

All: 394.948 ± 404.795 χ^2/NDF : 101.1/104

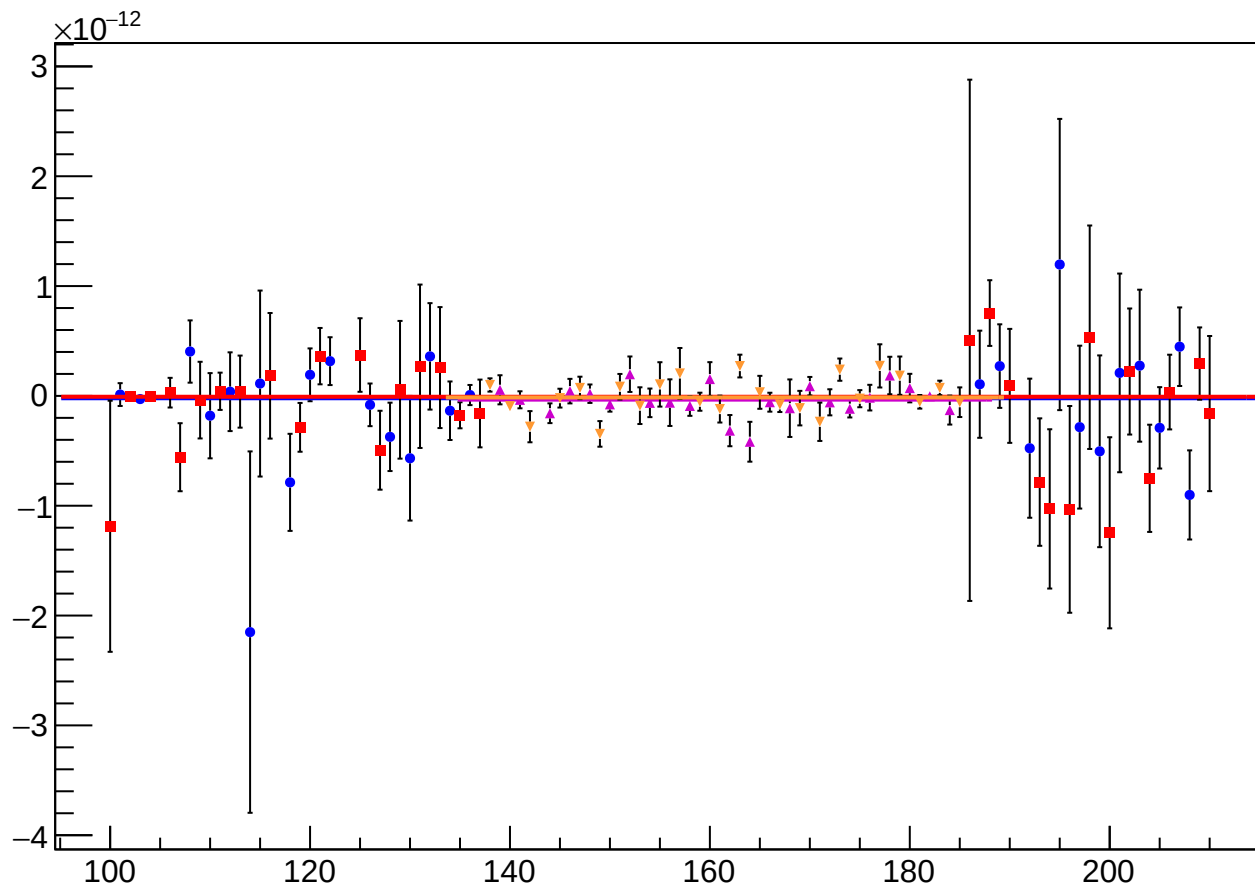
- sign 432.651 ± 567.355 χ^2/NDF : 46.1/53

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2769.124+/-0.549	χ^2/NDF : 5846232.9/26	+ sign 3167.398+/-0.409	χ^2/NDF : 7921694.3/50
Left Out: 3662.662+/-0.612	χ^2/NDF : 893468.3/23	All: 3164.633+/-0.286	χ^2/NDF : 16572366.2/100
Right Out: 2806.717+/-0.532	χ^2/NDF : 6562378.0/30	- sign 3161.971+/-0.401	χ^2/NDF : 8650582.1/53
Left In: 3629.184+/-0.610	χ^2/NDF : 1054949.6/22		

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.4/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:45.3/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 31.2/30

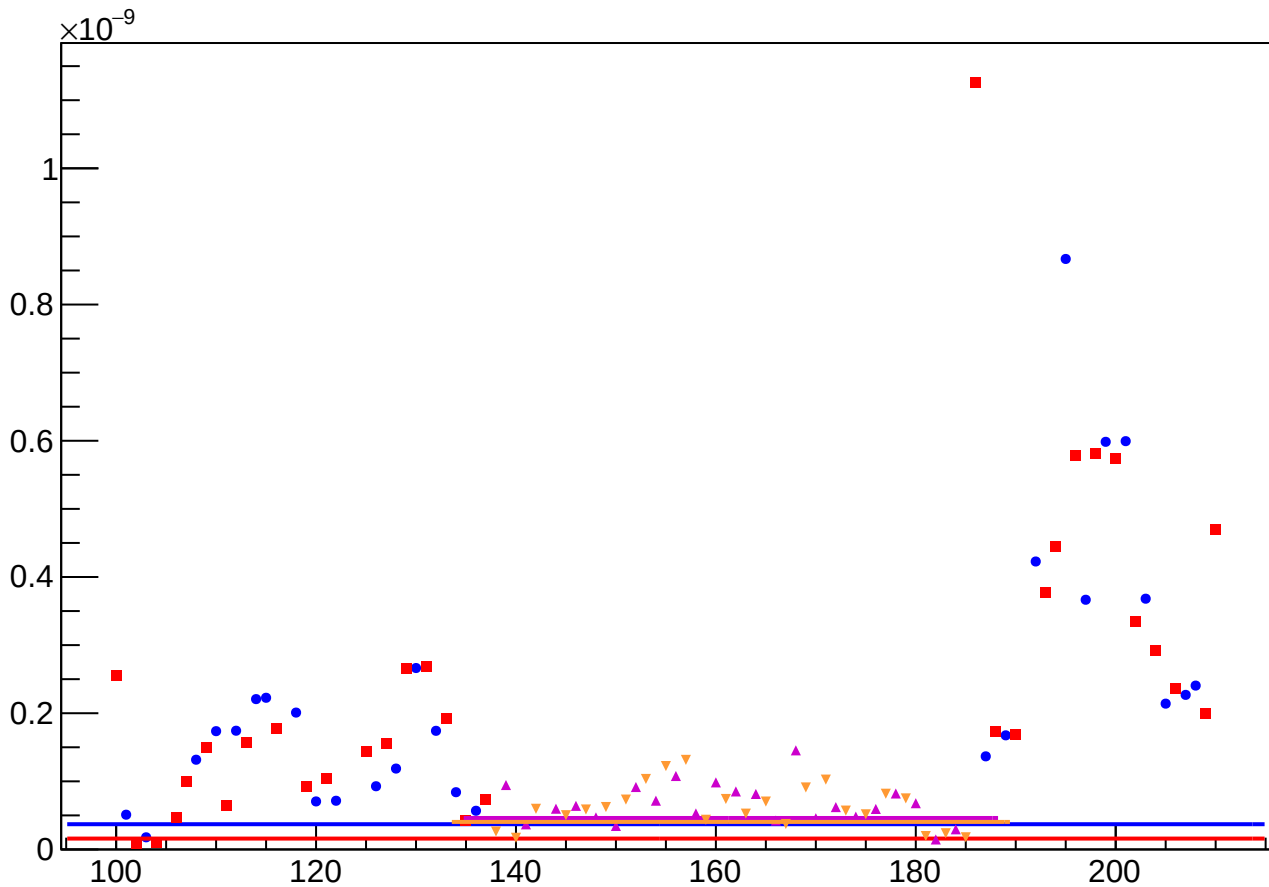
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:22.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 68.7/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 123.9/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 55.2/53

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8936003.9/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 12068490.6/30

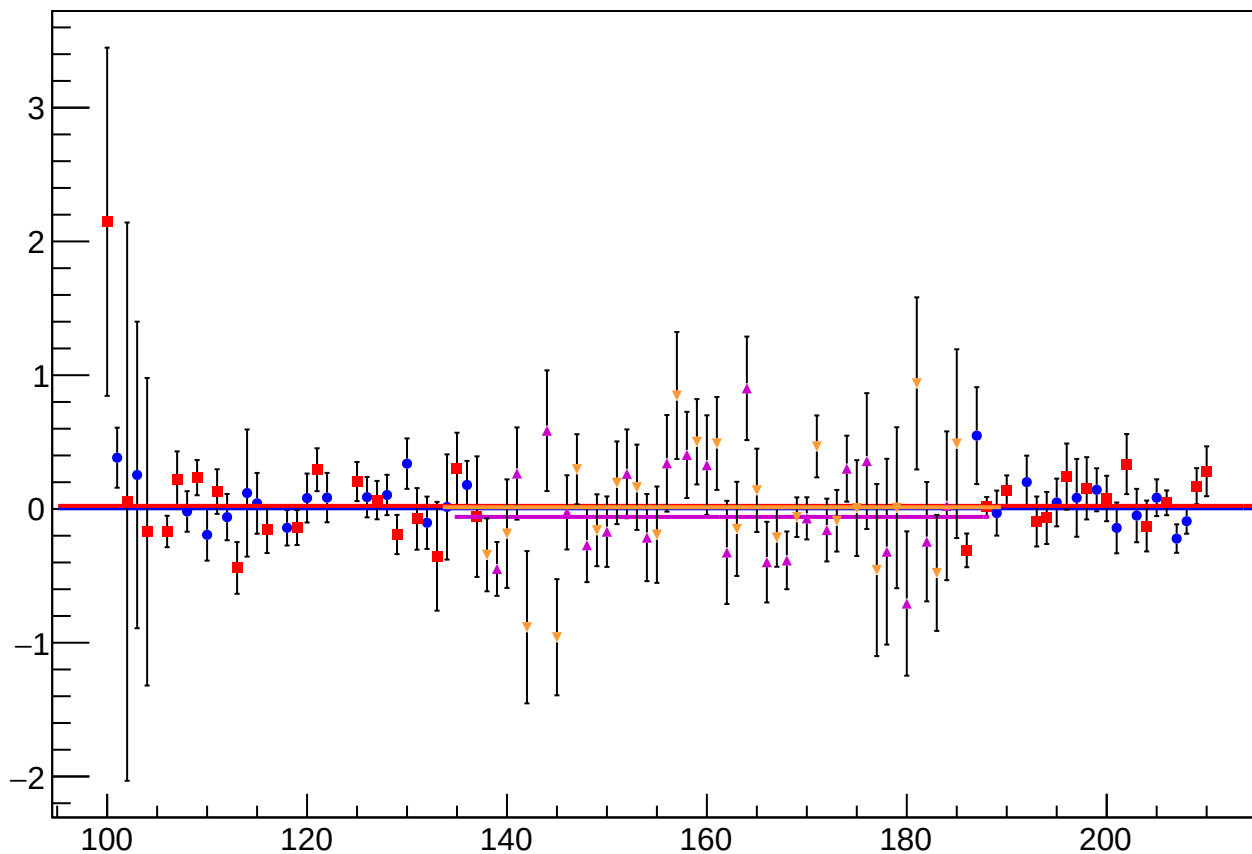
Left In: 0.000+/-0.000 χ^2/NDF : 2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 12391527.6/50

All: 0.000+/-0.000 χ^2/NDF : 31210209.7/104

- sign 0.000+/-0.000 χ^2/NDF : 17939145.5/53

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 ± 0.033 χ^2/NDF : 21.6/26

Left Out: 0.013 ± 0.063 χ^2/NDF : 29.3/23

Right Out: 0.023 ± 0.028 χ^2/NDF : 41.8/30

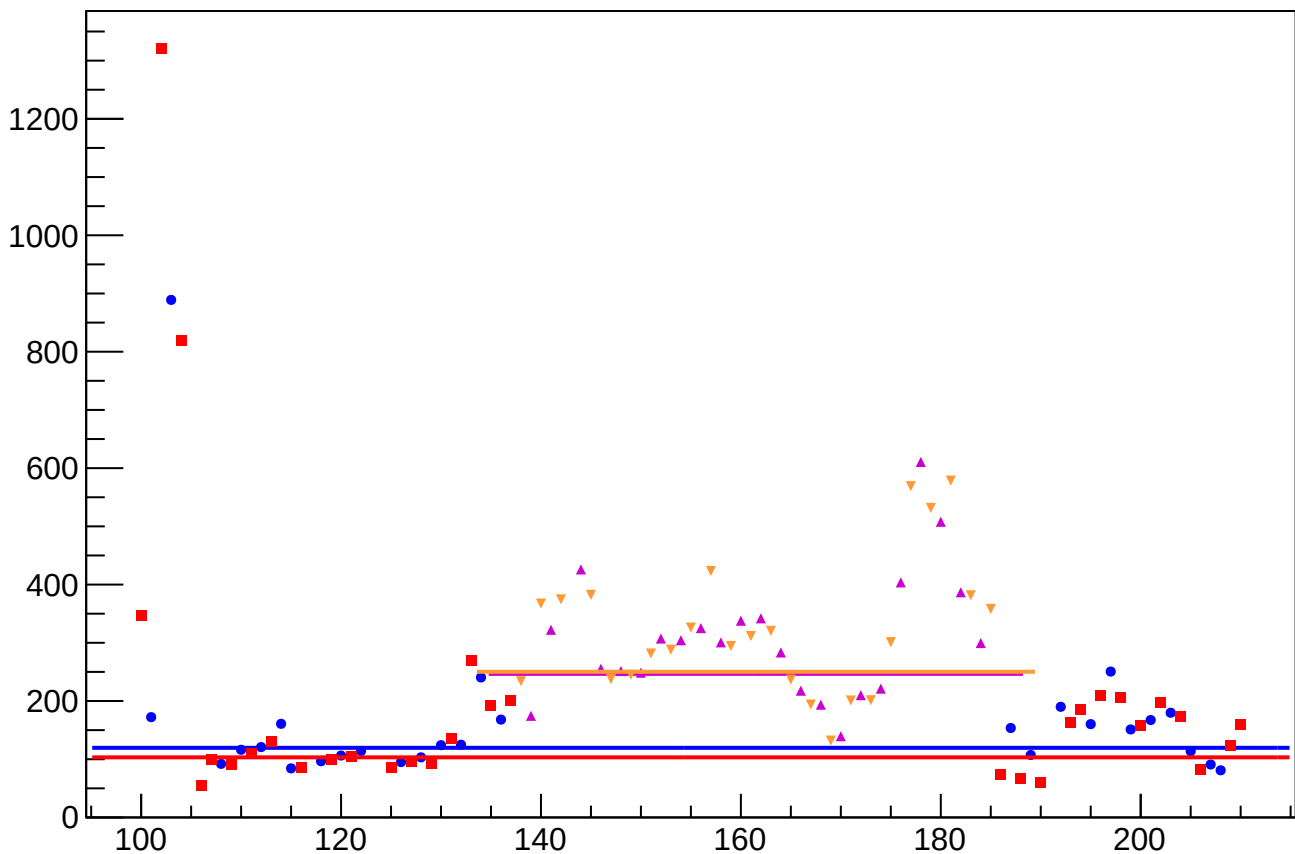
Left In: -0.059 ± 0.062 χ^2/NDF : 27.9/22

+ sign 0.007 ± 0.029 χ^2/NDF : 51.0/50

All: 0.008 ± 0.019 χ^2/NDF : 122.2/104

- sign 0.009 ± 0.026 χ^2/NDF : 71.2/53

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 119.624 $\pm$ 0.024 χ^2 /NDF: 3295156.2/26

Left Out: 250.247 $\pm$ 0.045 χ^2 /NDF: 4353162.7/23

Right Out: 103.238 $\pm$ 0.020 χ^2 /NDF: 6049638.4/30

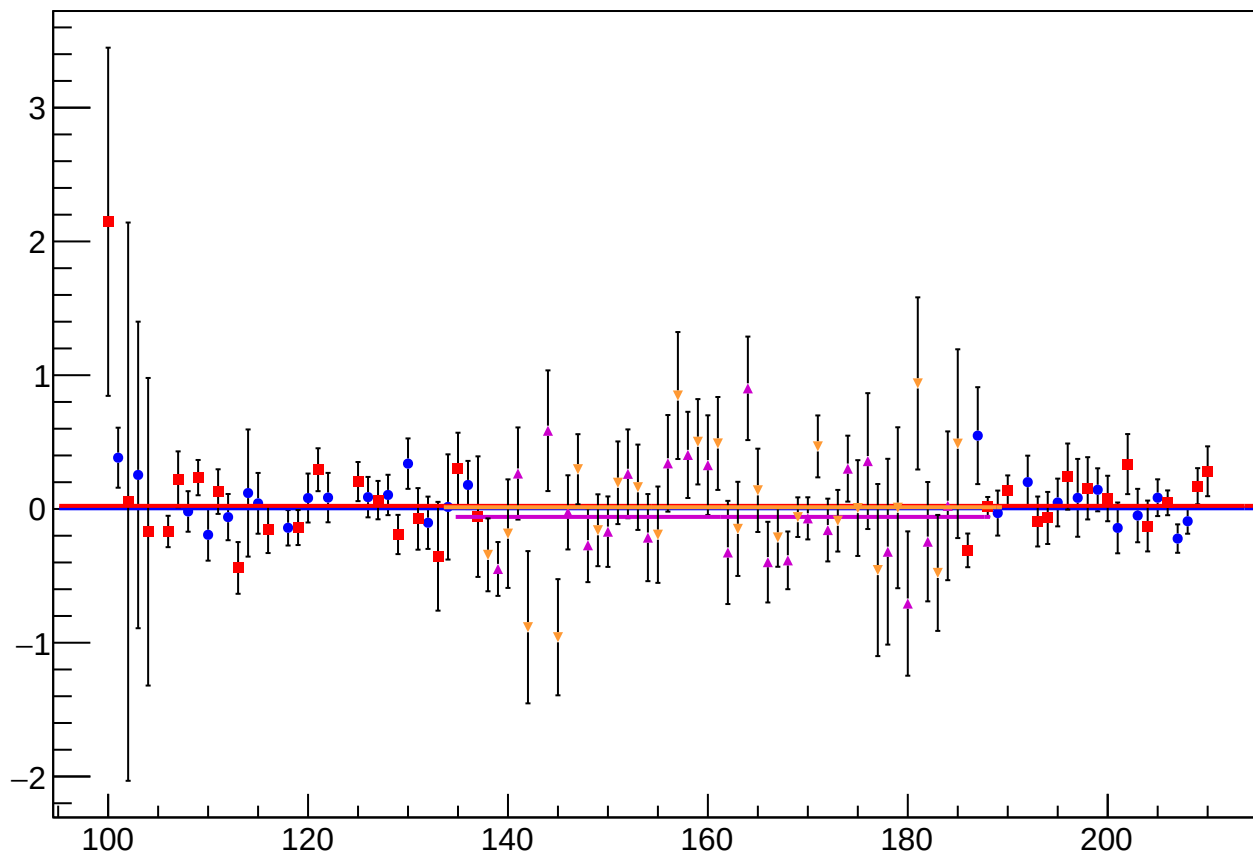
Left In: 246.630 $\pm$ 0.044 χ^2 /NDF: 3773083.4/22

+ sign 148.112 $\pm$ 0.021 χ^2 /NDF: 14369302.9/50

All: 136.914 $\pm$ 0.014 χ^2 /NDF: 33535398.2/10

- sign 128.242 $\pm$ 0.018 χ^2 /NDF: 18652147.3/53

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.033 χ^2 /NDF: 21.6/26

Left Out: 0.013 $\pm$ 0.063 χ^2 /NDF: 29.3/23

Right Out: 0.023 $\pm$ 0.028 χ^2 /NDF: 41.8/30

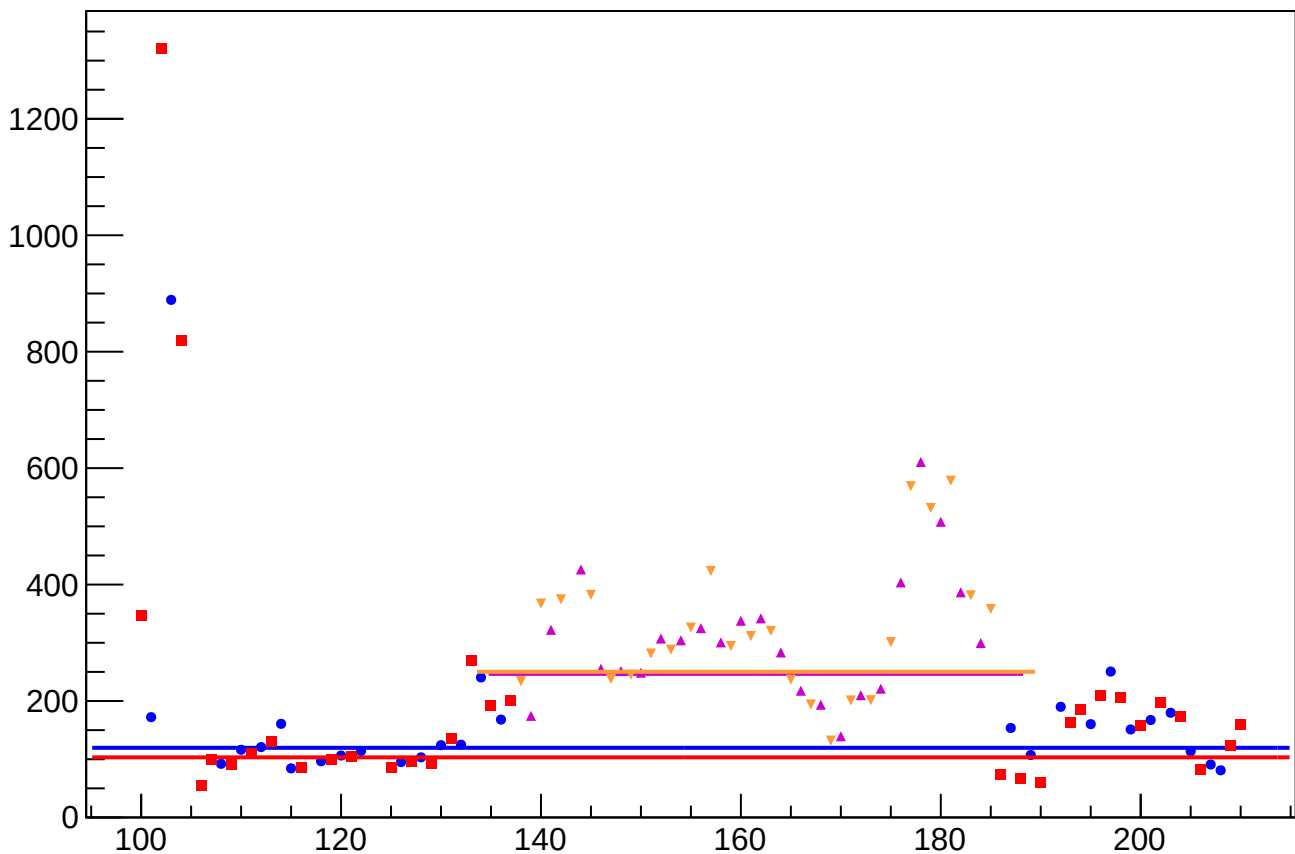
Left In: -0.059 $\pm$ 0.062 χ^2 /NDF: 27.9/22

+ sign 0.007 $\pm$ 0.029 χ^2 /NDF: 51.0/50

All: 0.008 $\pm$ 0.019 χ^2 /NDF: 122.2/104

- sign 0.009 $\pm$ 0.026 χ^2 /NDF: 71.2/53

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 119.624 $\pm$ 0.024 χ^2 /NDF: 3295156.2/26

Left Out: 250.247 $\pm$ 0.045 χ^2 /NDF: 4353162.7/23

Right Out: 103.238 $\pm$ 0.020 χ^2 /NDF: 6049638.4/30

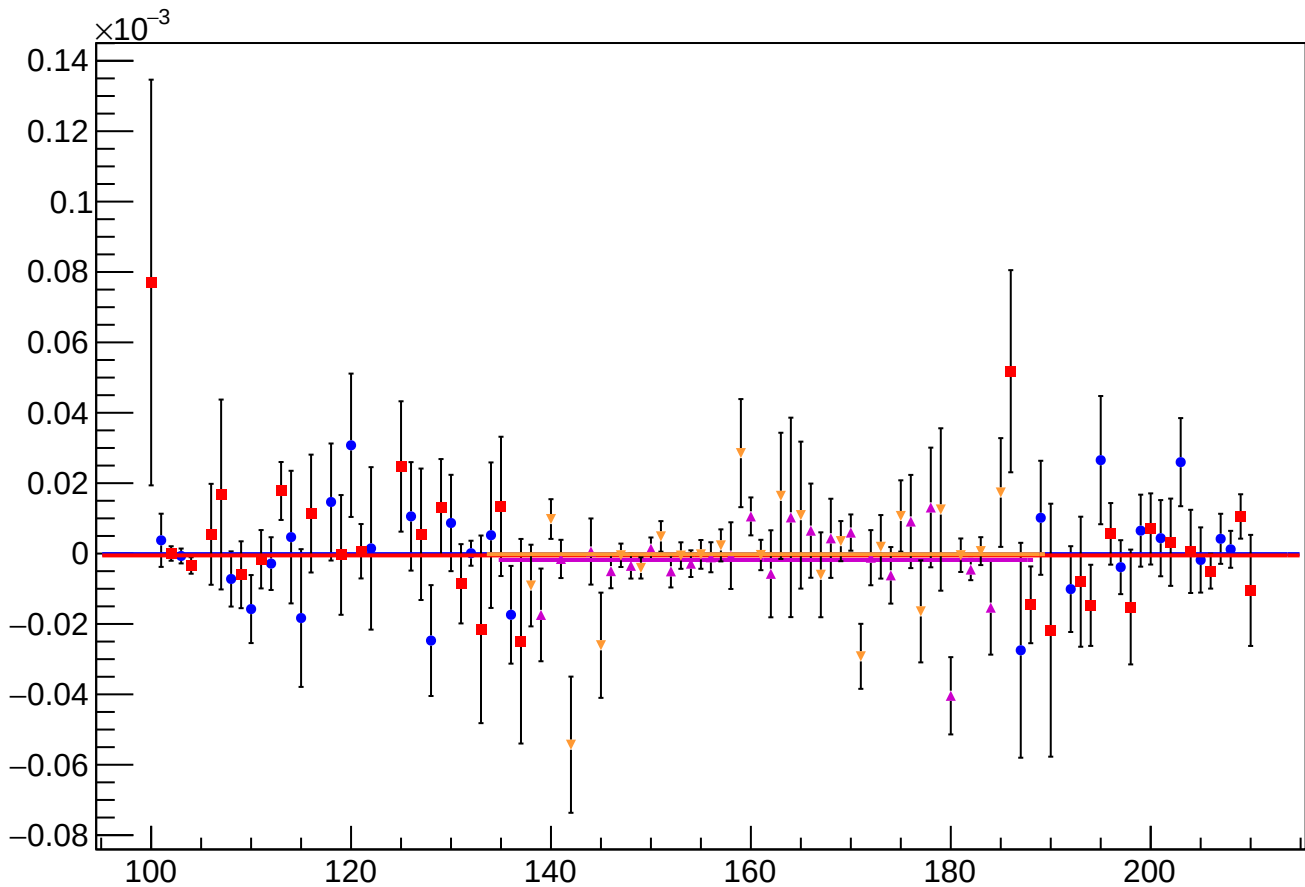
Left In: 246.630 $\pm$ 0.044 χ^2 /NDF: 3773083.4/22

+ sign 148.112 $\pm$ 0.021 χ^2 /NDF: 14369302.9/50

All: 136.914 $\pm$ 0.014 χ^2 /NDF: 33535398.2/10

- sign 128.242 $\pm$ 0.018 χ^2 /NDF: 18652147.3/53

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.5/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:37.2/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.3/30

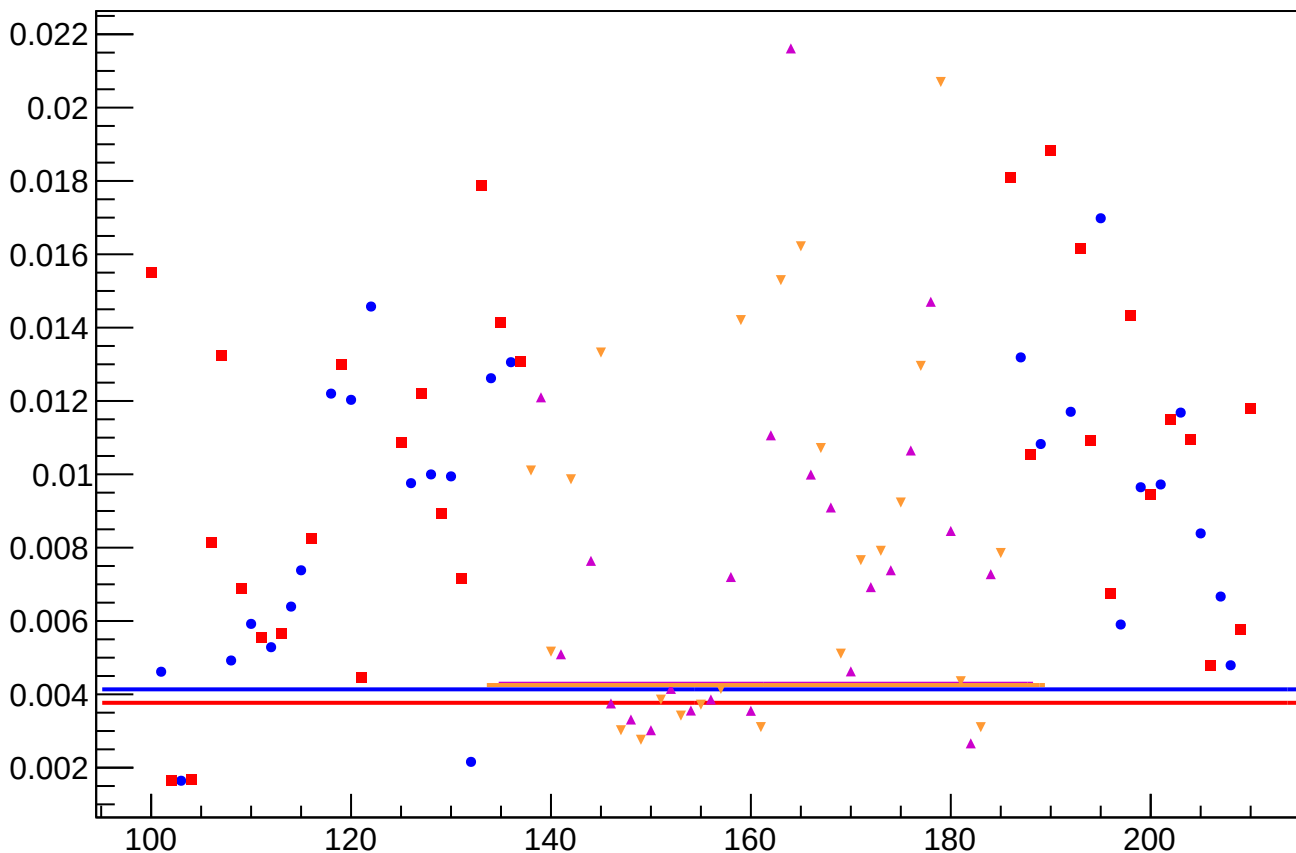
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:28.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 59.7/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 117.5/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 57.1/53

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 11812389.4/26

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:8492565.6/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 15141180.6/30

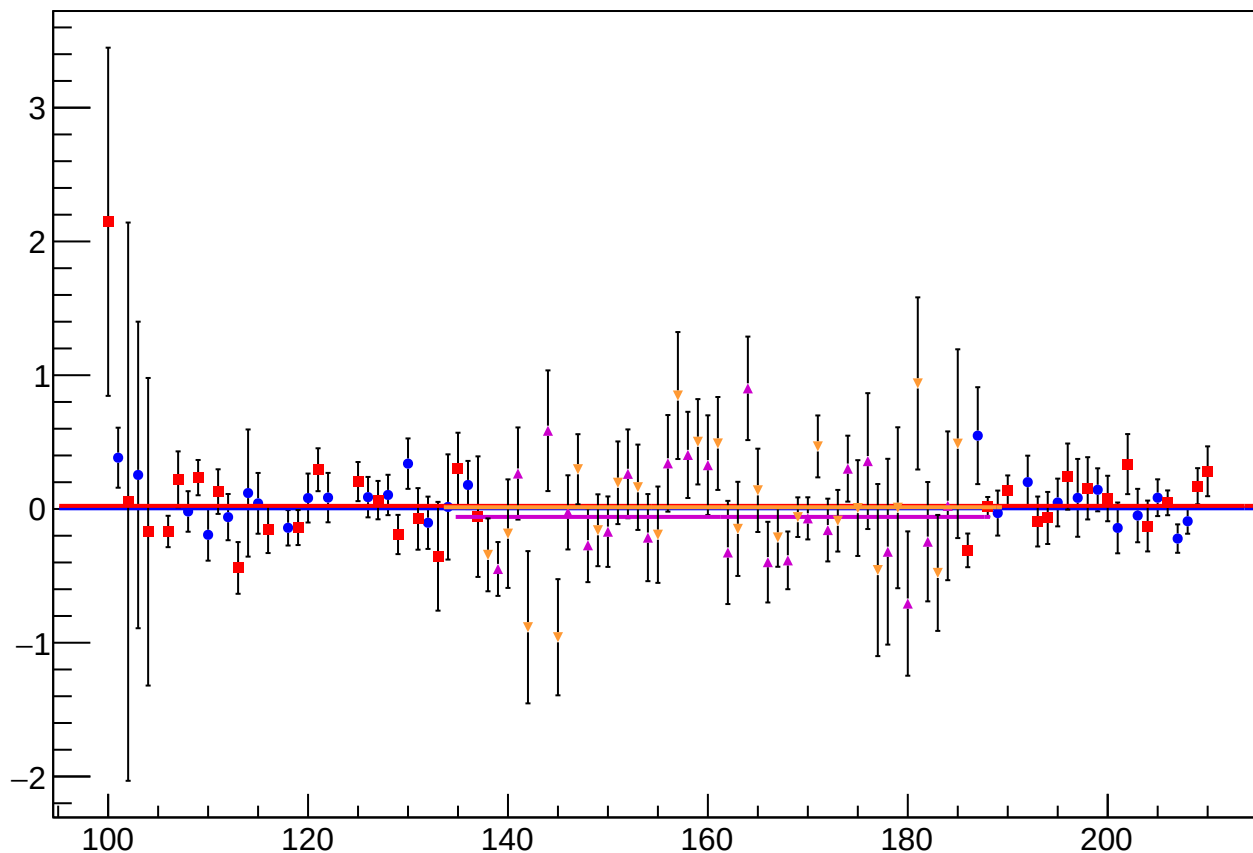
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:6598609.8/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 20313518.5/50

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 42270821.6/104

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 21922606.5/53

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.033 χ^2 /NDF: 21.6/26

Left Out: 0.013 $\pm$ 0.063 χ^2 /NDF: 29.3/23

Right Out: 0.023 $\pm$ 0.028 χ^2 /NDF: 41.8/30

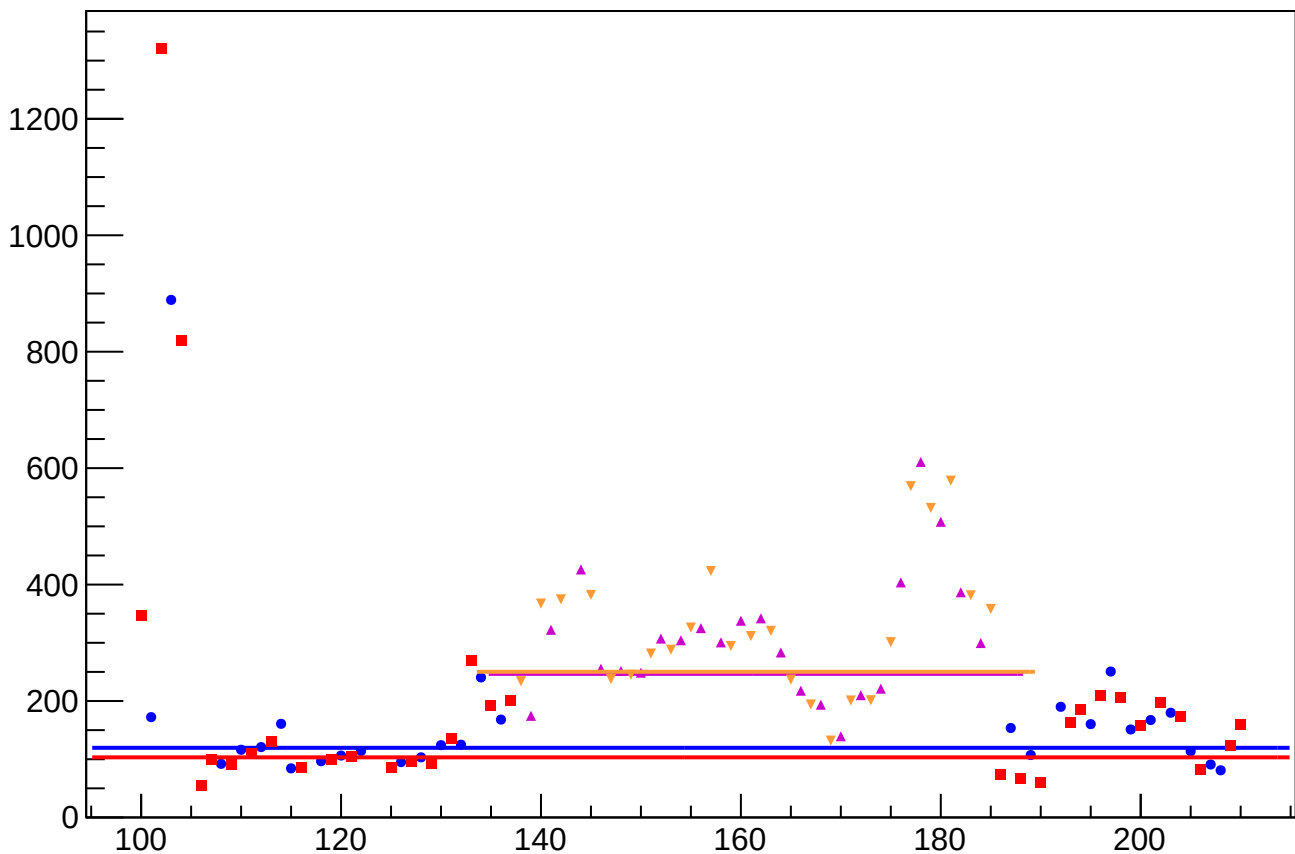
Left In: -0.059 $\pm$ 0.062 χ^2 /NDF: 27.9/22

+ sign 0.007 $\pm$ 0.029 χ^2 /NDF: 51.0/50

All: 0.008 $\pm$ 0.019 χ^2 /NDF: 122.2/104

- sign 0.009 $\pm$ 0.026 χ^2 /NDF: 71.2/53

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 119.623+/-0.024 χ^2/NDF : 3295229.3/26

Left Out: 250.248+/-0.045 χ^2/NDF : 4353323.9/23

Right Out: 103.234+/-0.020 χ^2/NDF : 6050206.0/30

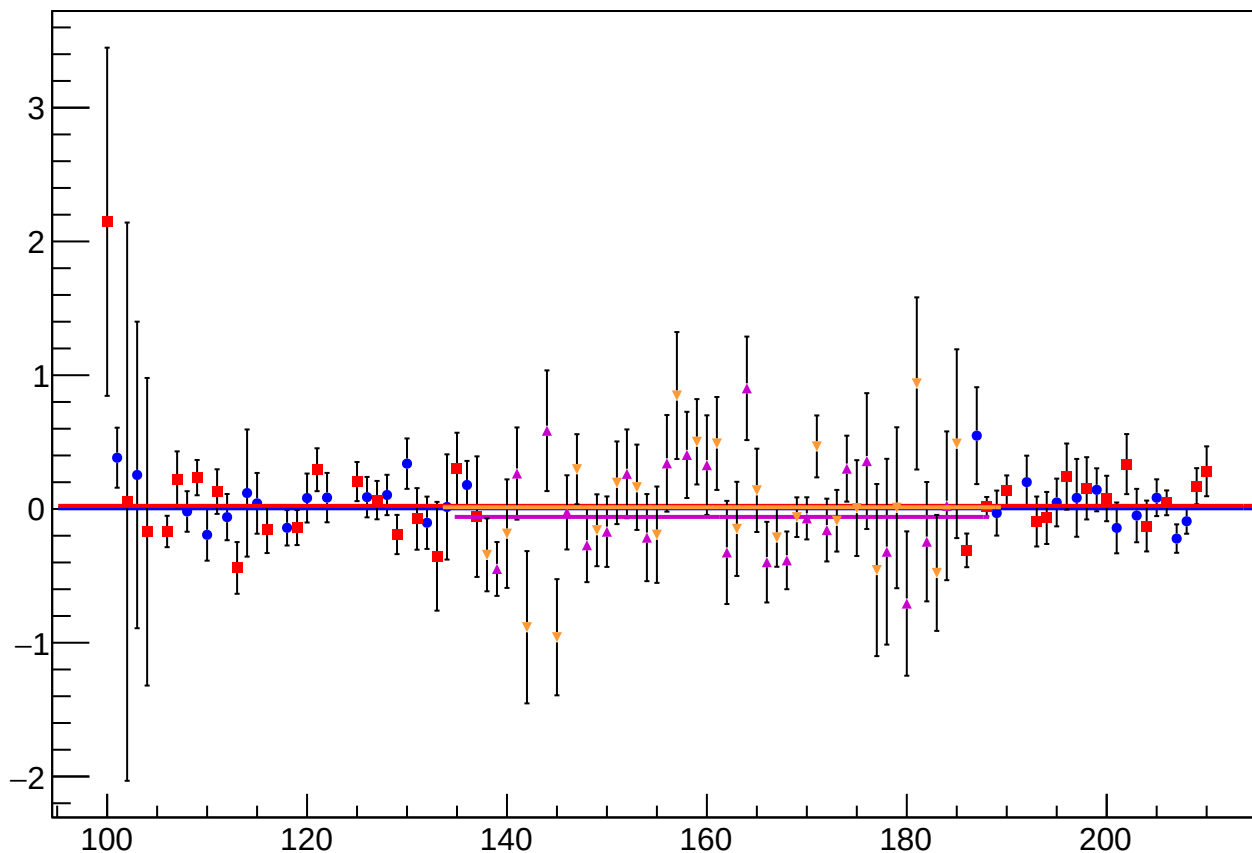
Left In: 246.632+/-0.044 χ^2/NDF : 3773144.3/22

+ sign 148.110+/-0.021 χ^2/NDF : 14369684.5/50

All: 136.911+/-0.014 χ^2/NDF : 33537267.8/10

- sign 128.237+/-0.018 χ^2/NDF : 18653458.2/53

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.033 χ^2 /NDF: 21.6/26

Left Out: 0.013 $\pm$ 0.063 χ^2 /NDF: 29.3/23

Right Out: 0.023 $\pm$ 0.028 χ^2 /NDF: 41.8/30

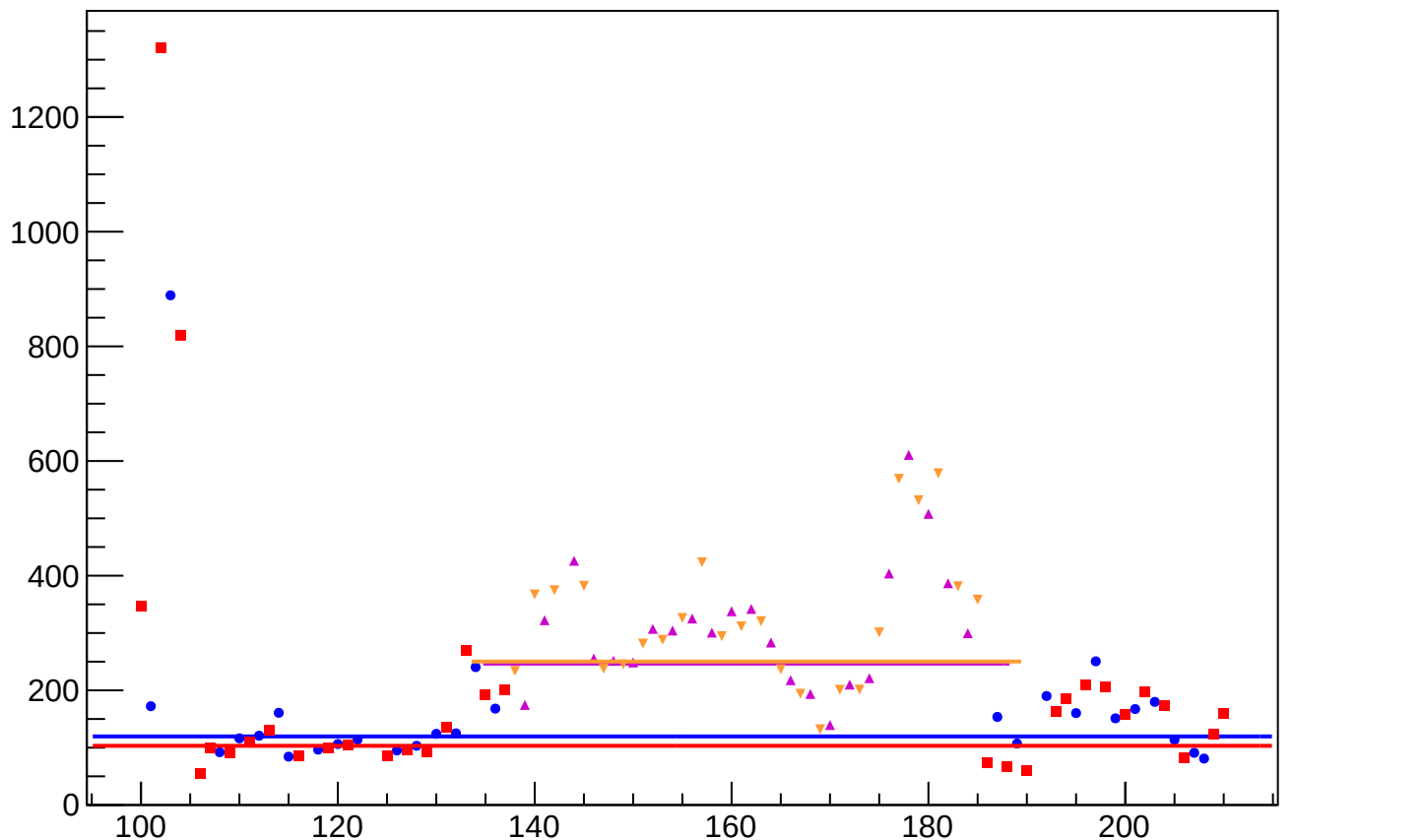
Left In: -0.059 $\pm$ 0.062 χ^2 /NDF: 27.9/22

+ sign 0.007 $\pm$ 0.029 χ^2 /NDF: 51.0/50

All: 0.008 $\pm$ 0.019 χ^2 /NDF: 122.2/104

- sign 0.009 $\pm$ 0.026 χ^2 /NDF: 71.2/53

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 119.623+/-0.024 χ^2/NDF : 3295229.3/26

Left Out: 250.248+/-0.045 χ^2/NDF : 4353323.9/23

Right Out: 103.234+/-0.020 χ^2/NDF : 6050206.0/30

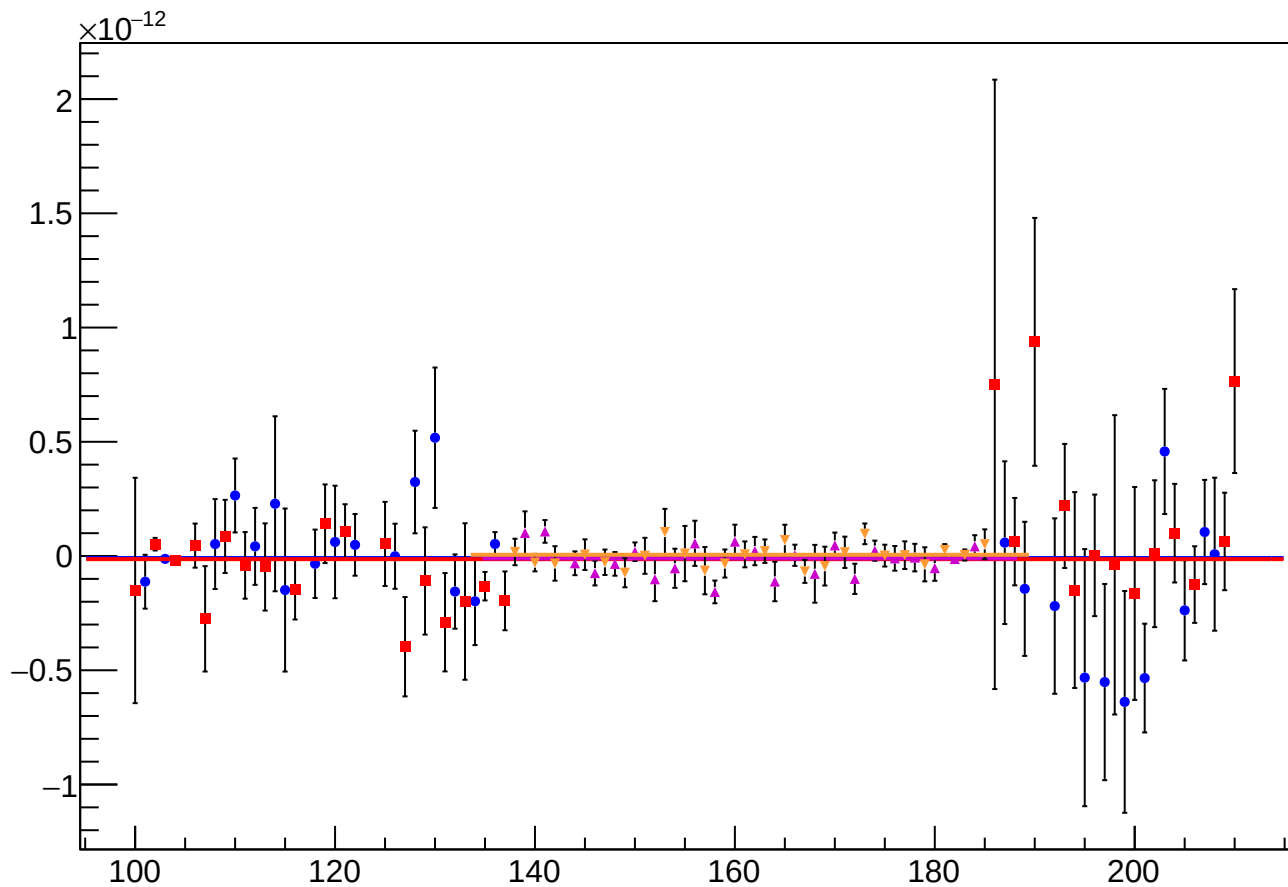
Left In: 246.632+/-0.044 χ^2/NDF : 3773144.3/22

+ sign 148.110+/-0.021 χ^2/NDF : 14369684.5/50

All: 136.911+/-0.014 χ^2/NDF : 33537267.8/10

- sign 128.237+/-0.018 χ^2/NDF : 18653458.2/53

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 26.9/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 13.8/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 31.0/30

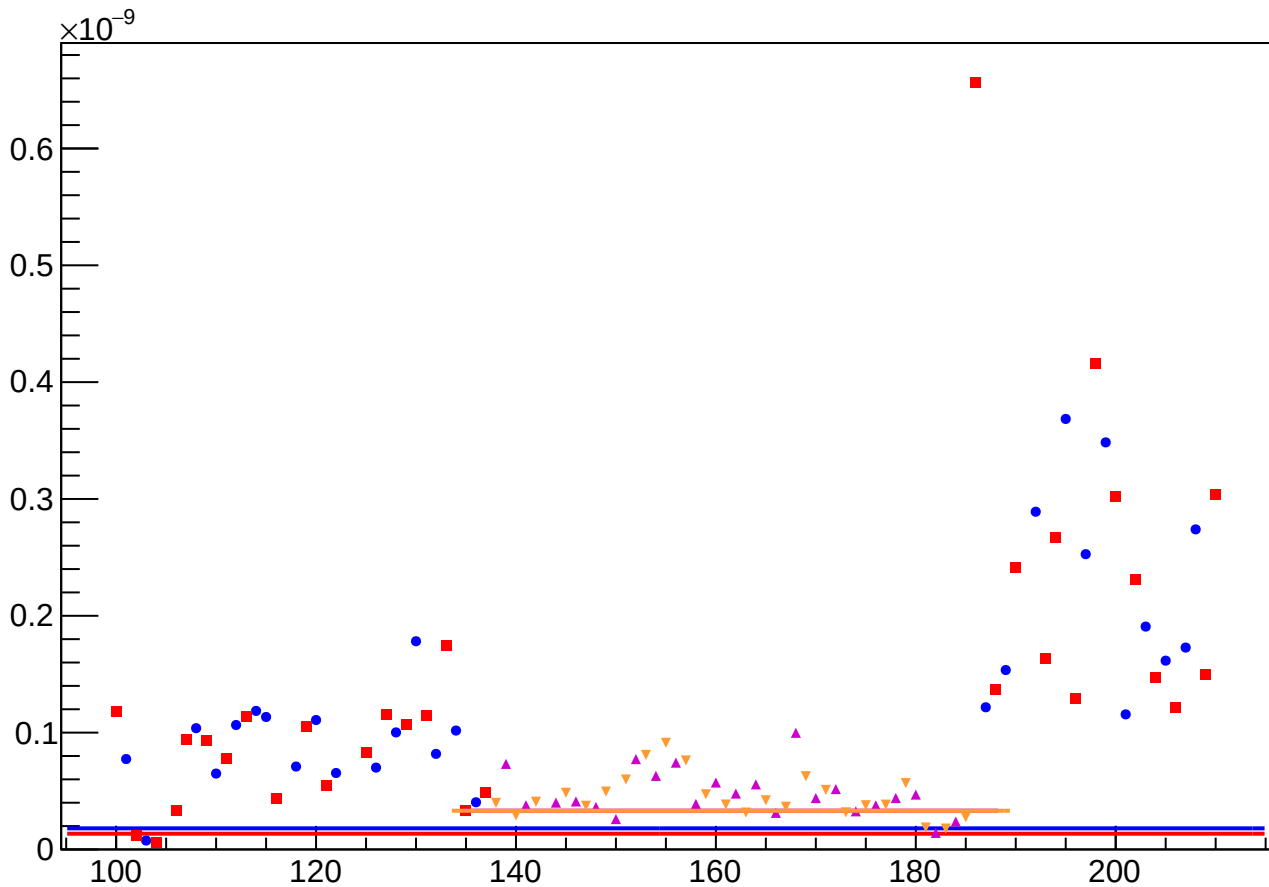
Left In: -0.000 ± 0.000 χ^2/NDF : 27.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 41.5/50

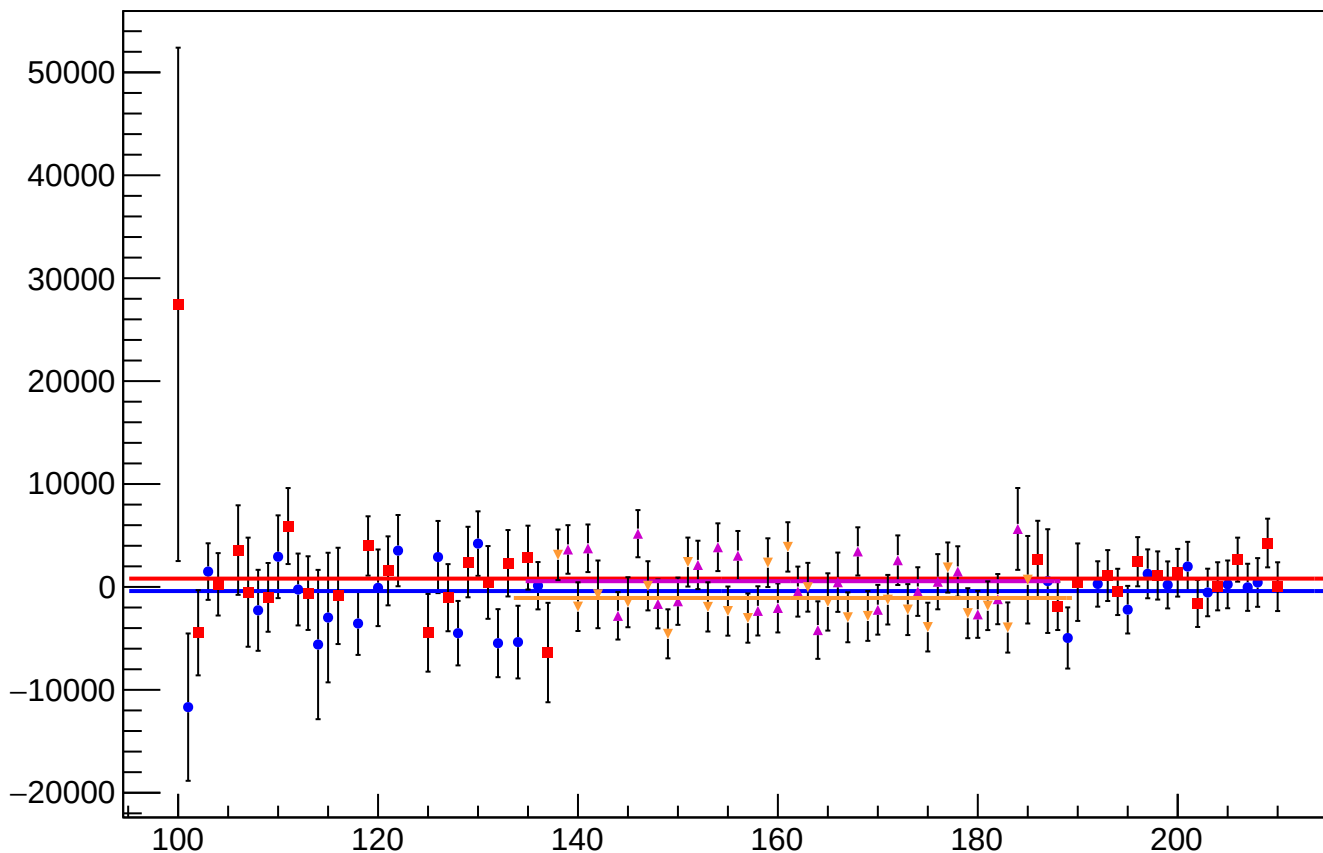
All: -0.000 ± 0.000 χ^2/NDF : 101.6/104

- sign -0.000 ± 0.000 χ^2/NDF : 59.0/53

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -401.025 ± 564.023 χ^2/NDF : 20.9/26

Left Out: -1072.863 ± 505.534 χ^2/NDF : 21.6/23

Right Out: 809.002 ± 534.009 χ^2/NDF : 19.0/30

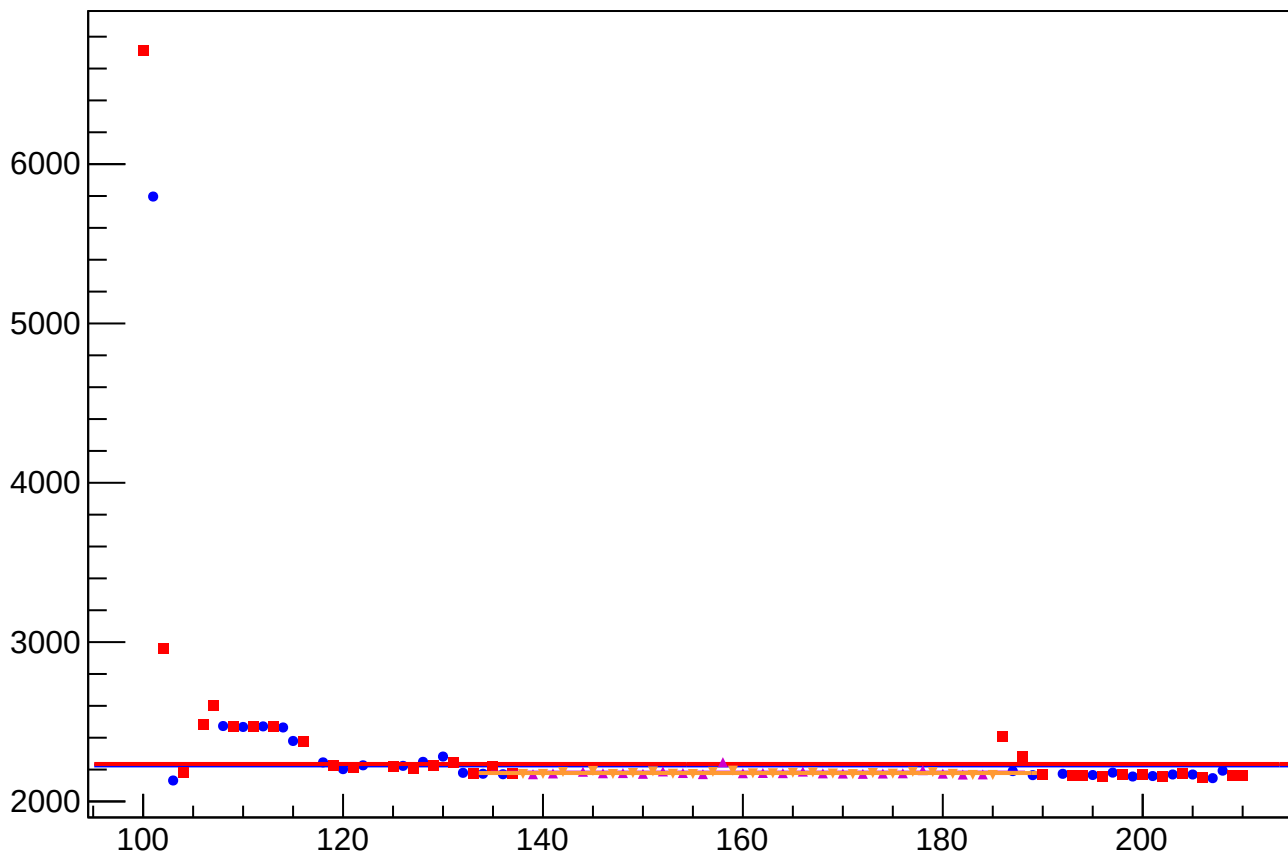
Left In: 557.052 ± 509.208 χ^2/NDF : 28.7/22

+ sign -773.574 ± 376.452 χ^2/NDF : 43.3/50

All: -32.823 ± 263.343 χ^2/NDF : 98.7/104

- sign 677.041 ± 368.520 χ^2/NDF : 47.9/53

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2226.096 $\pm$ 0.399 χ^2 /NDF: 544012.5/26

Left Out: 2178.244 $\pm$ 0.357 χ^2 /NDF:389.1/23

Right Out: 2235.215 $\pm$ 0.378 χ^2 /NDF: 197008.1/30

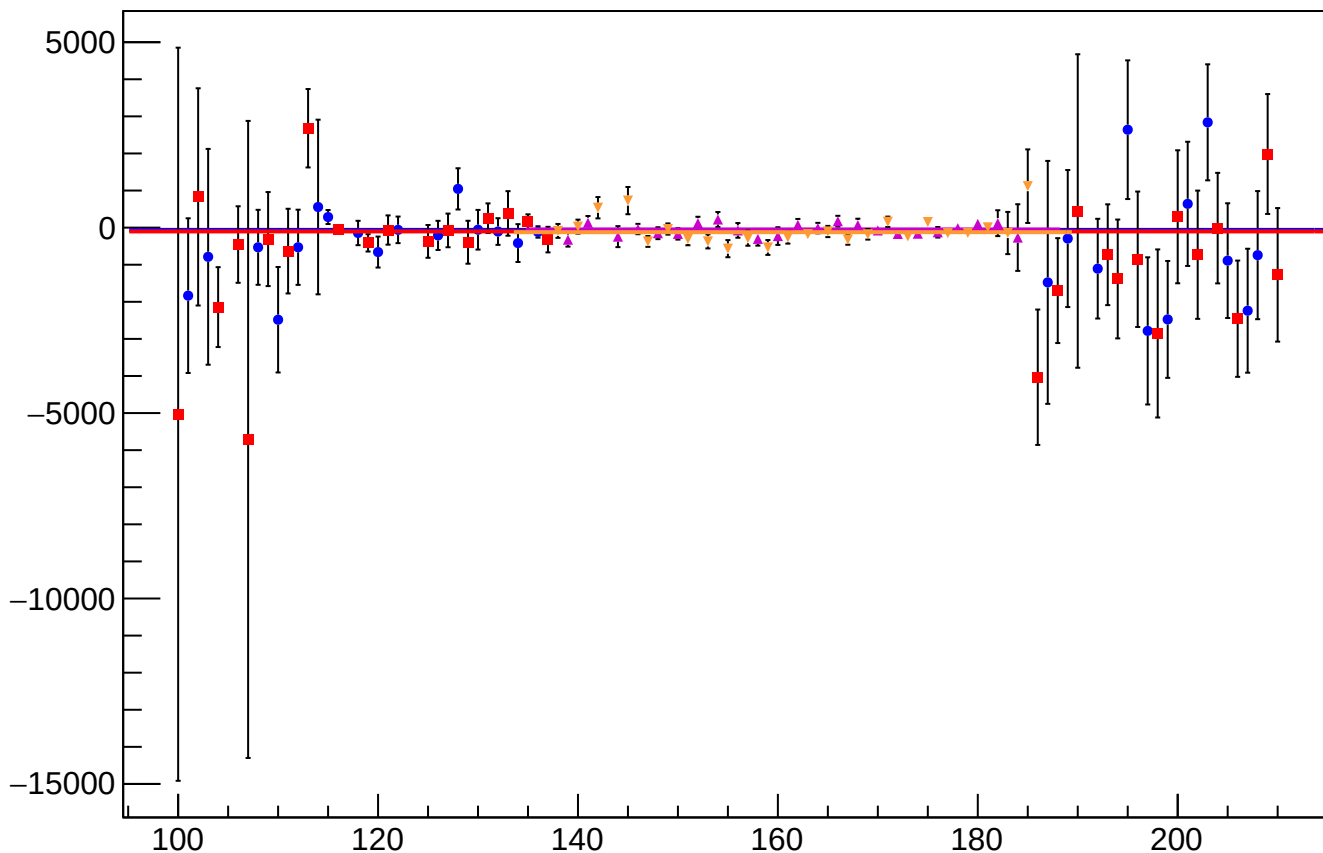
Left In: 2180.919 $\pm$ 0.360 χ^2 /NDF:1866.2/22

+ sign 2199.561 $\pm$ 0.266 χ^2 /NDF: 552384.3/50

All: 2203.246 $\pm$ 0.186 χ^2 /NDF: 762463.3/104

- sign 2206.777 $\pm$ 0.261 χ^2 /NDF: 209703.7/53

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug



Right In: -61.054 ± 89.534 χ^2/NDF : 27.3/26

Left Out: -123.007 ± 31.408 χ^2/NDF : 43.8/23

Right Out: -102.132 ± 81.160 χ^2/NDF : 30.7/30

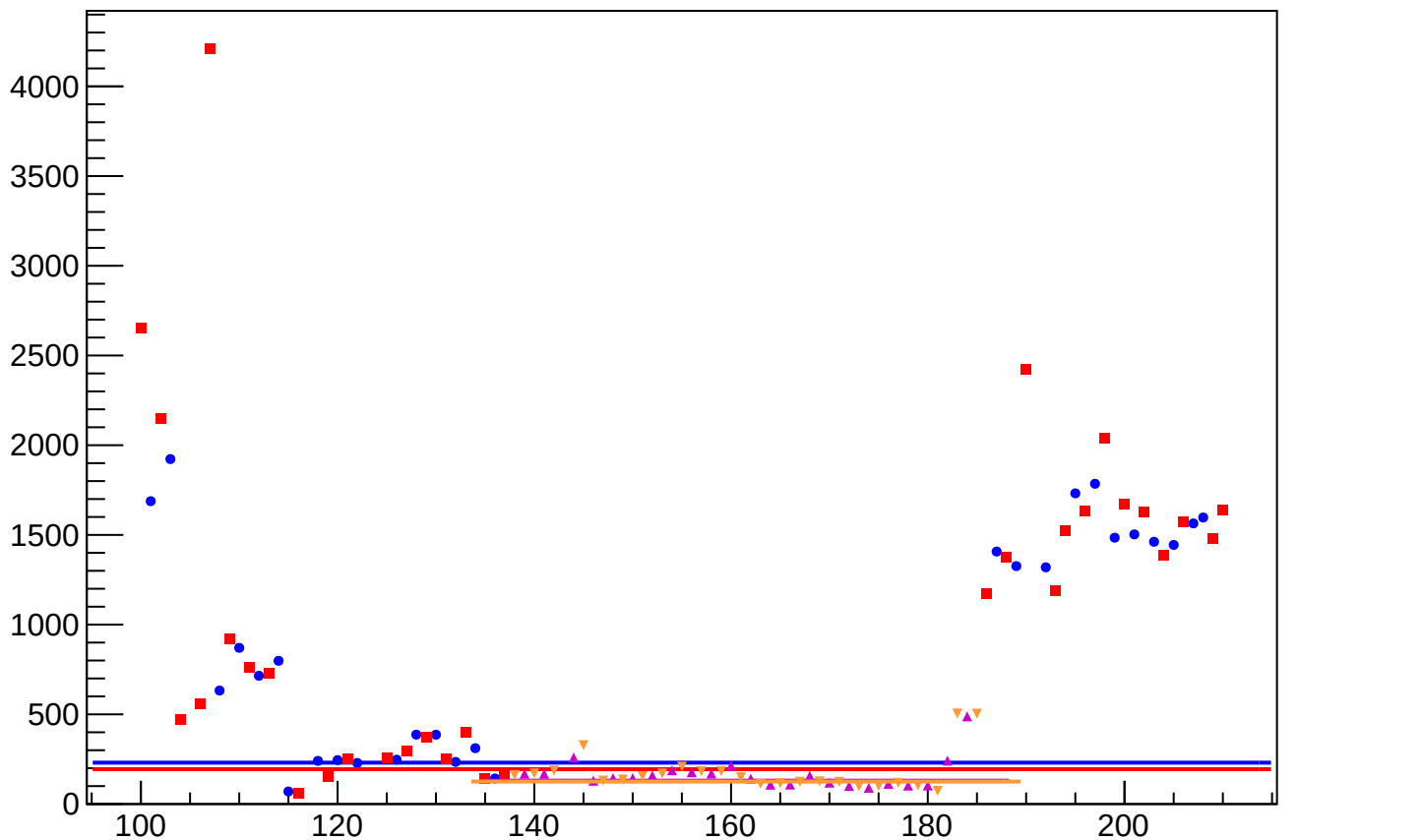
Left In: -50.317 ± 32.545 χ^2/NDF : 18.2/22

+ sign -116.219 ± 29.637 χ^2/NDF : 71.5/50

All: -87.415 ± 21.155 χ^2/NDF : 122.7/104

- sign -57.494 ± 30.207 χ^2/NDF : 49.3/53

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 230.734 $\pm$ 0.063 χ^2 /NDF: 17642826.9/26

Left Out: 125.506 $\pm$ 0.022 χ^2 /NDF: 3942746.1/23

Right Out: 194.253 $\pm$ 0.057 χ^2 /NDF: 22272813.3/30

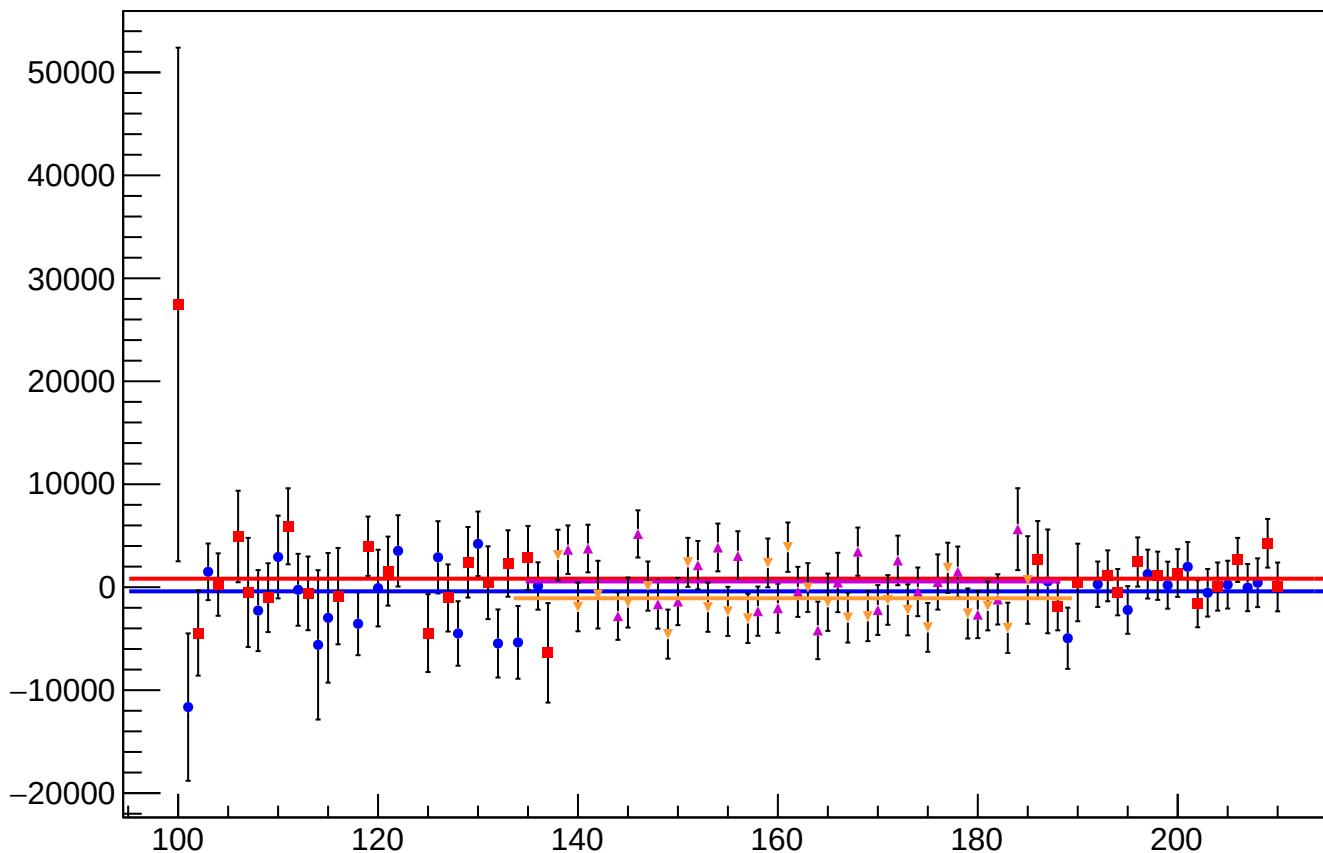
Left In: 130.436 $\pm$ 0.023 χ^2 /NDF: 2679692.6/22

+ sign 137.036 $\pm$ 0.021 χ^2 /NDF: 24045445.8/50

All: 138.135 $\pm$ 0.015 χ^2 /NDF: 50068817.8/10

- sign 139.276 $\pm$ 0.021 χ^2 /NDF: 26017768.6/53

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -400.586 ± 564.023 χ^2/NDF : 20.9/26

Left Out: -1072.795 ± 505.534 χ^2/NDF : 21.6/23

Right Out: 826.824 ± 534.176 χ^2/NDF : 19.5/30

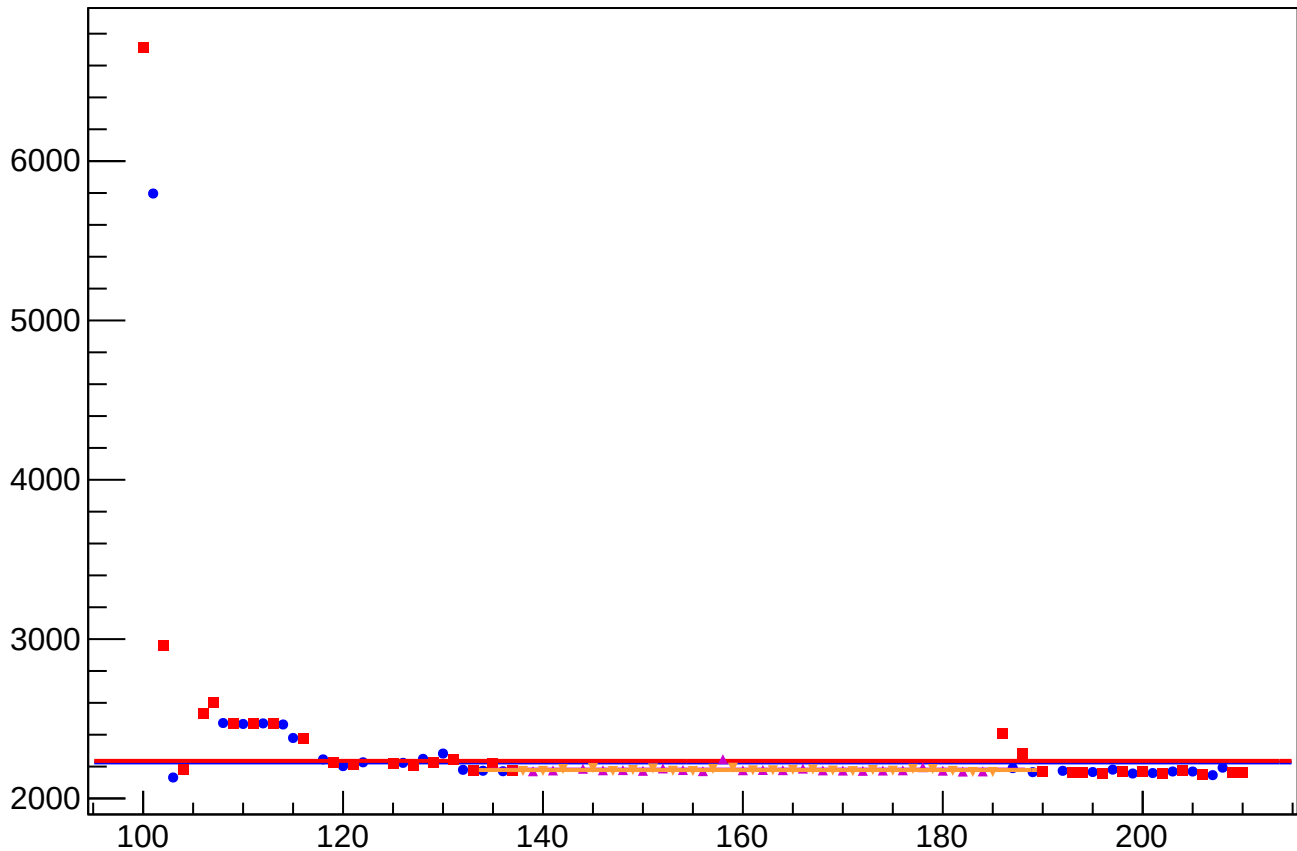
Left In: 557.079 ± 509.208 χ^2/NDF : 28.7/22

+ sign -773.341 ± 376.453 χ^2/NDF : 43.3/50

All: -28.498 ± 263.363 χ^2/NDF : 99.3/104

- sign 685.500 ± 368.575 χ^2/NDF : 48.3/53

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2226.096 $\pm$ 0.399 χ^2 /NDF: 544012.8/26

Left Out: 2178.244 $\pm$ 0.357 χ^2 /NDF:389.1/23

Right Out: 2235.792 $\pm$ 0.378 χ^2 /NDF: 199548.8/30

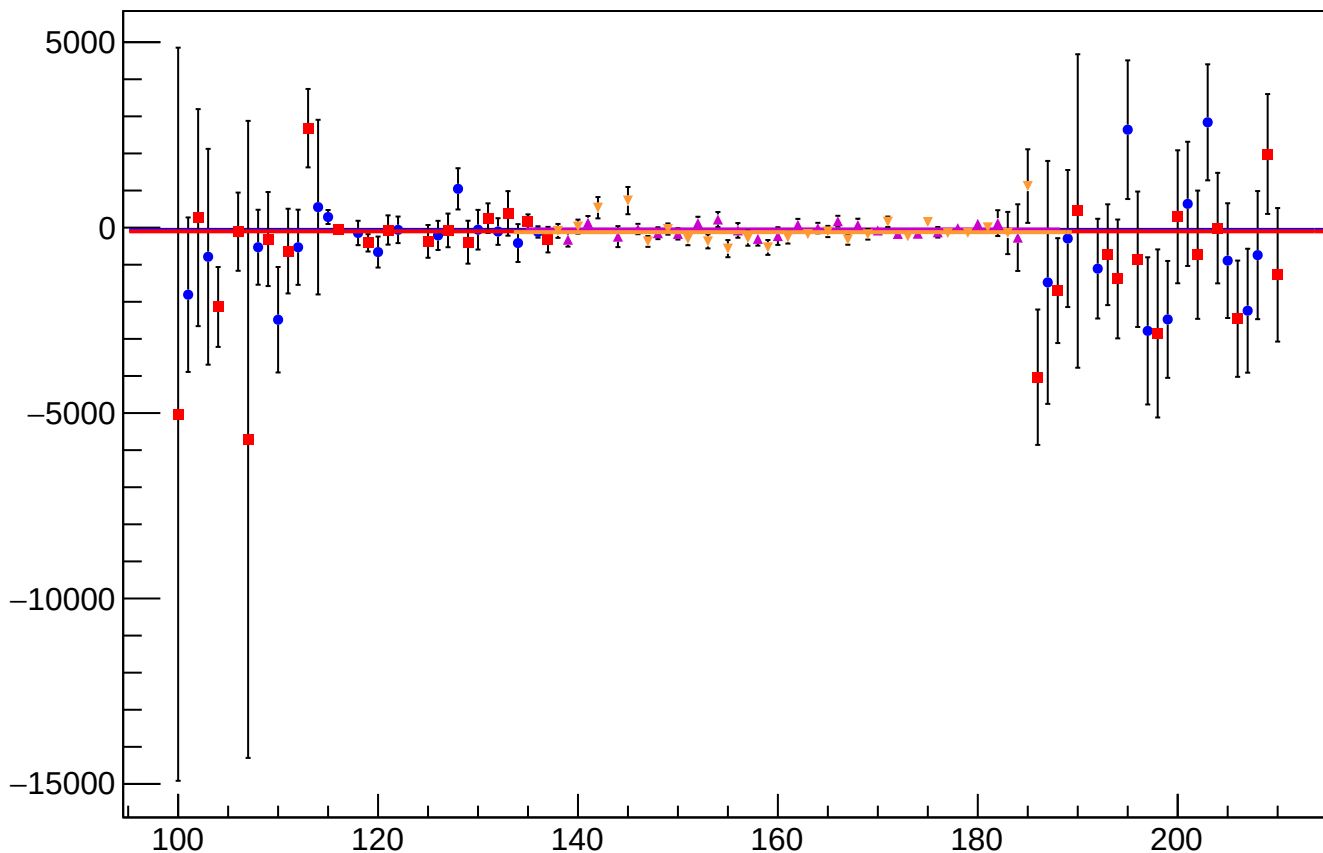
Left In: 2180.919 $\pm$ 0.360 χ^2 /NDF:1866.2/22

+ sign 2199.561 $\pm$ 0.266 χ^2 /NDF: 552384.6/50

All: 2203.381 $\pm$ 0.186 χ^2 /NDF: 765260.3/104

- sign 2207.043 $\pm$ 0.261 χ^2 /NDF: 212472.3/53

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug



Right In: -61.088 ± 89.540 χ^2/NDF : 27.3/26

Left Out: -122.928 ± 31.408 χ^2/NDF : 43.8/23

Right Out: -100.151 ± 81.101 χ^2/NDF : 30.5/30

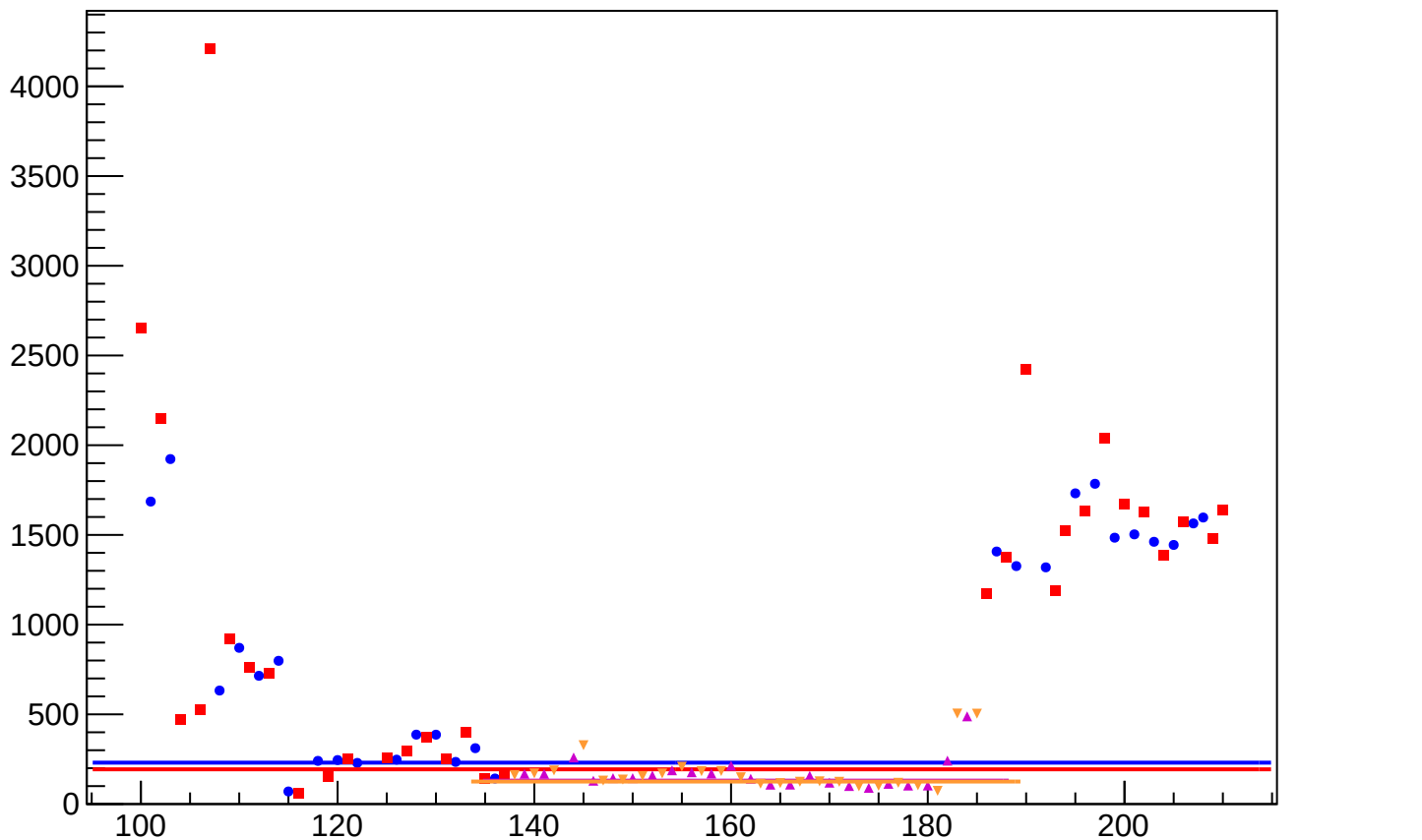
Left In: -50.209 ± 32.548 χ^2/NDF : 18.3/22

+ sign -116.153 ± 29.638 χ^2/NDF : 71.5/50

All: -87.206 ± 21.155 χ^2/NDF : 122.5/104

- sign -57.137 ± 30.206 χ^2/NDF : 49.1/53

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 230.762 $\pm$ 0.063 χ^2 /NDF: 17641215.2/26

Left Out: 125.503 $\pm$ 0.022 χ^2 /NDF: 3943570.9/23

Right Out: 193.656 $\pm$ 0.057 χ^2 /NDF: 22240795.8/30

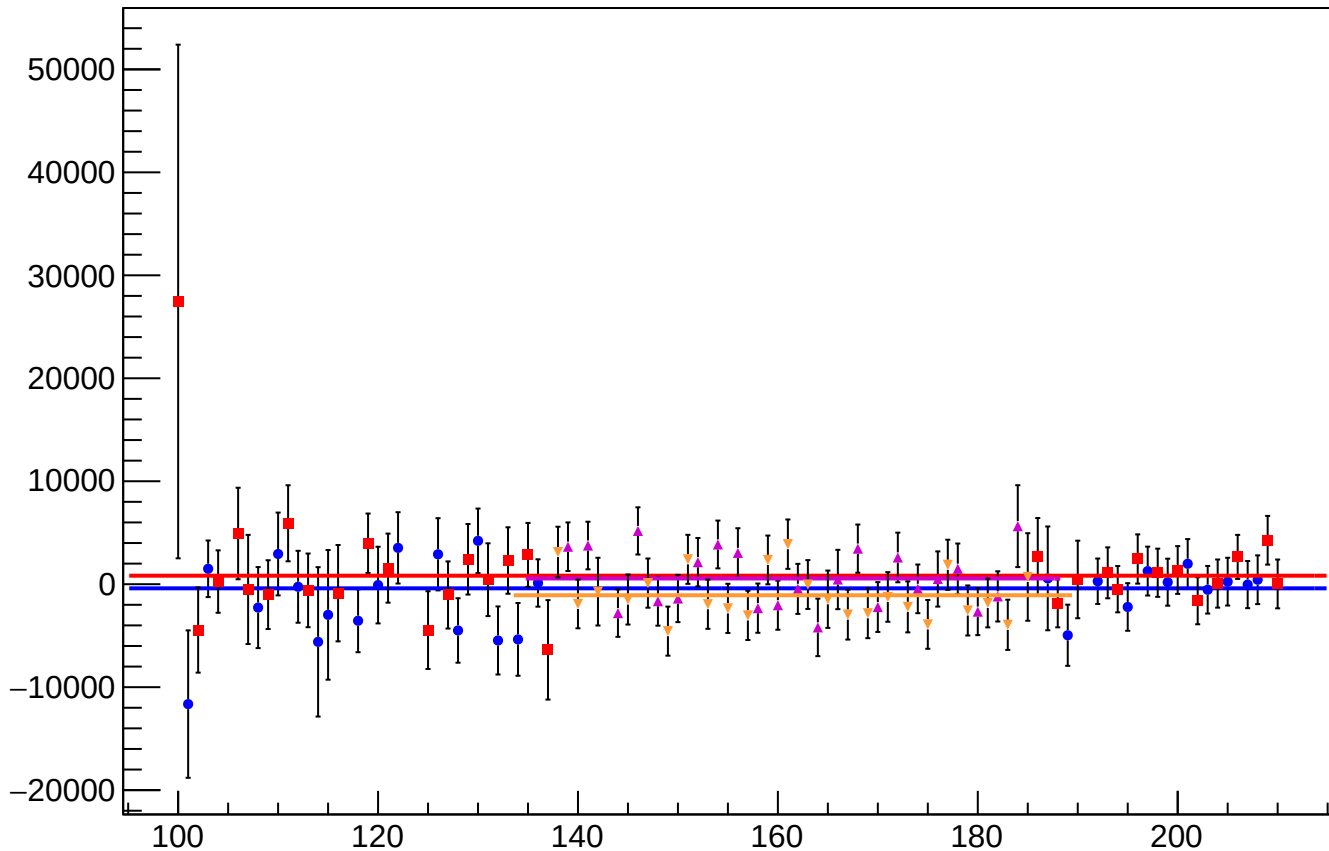
Left In: 130.451 $\pm$ 0.023 χ^2 /NDF: 2679365.4/22

+ sign 137.035 $\pm$ 0.021 χ^2 /NDF: 24045892.5/50

All: 138.106 $\pm$ 0.015 χ^2 /NDF: 50017615.1/10

- sign 139.219 $\pm$ 0.021 χ^2 /NDF: 25966395.6/53

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -400.586 ± 564.023 χ^2/NDF : 20.9/26

Left Out: -1072.795 ± 505.534 χ^2/NDF : 21.6/23

Right Out: 826.824 ± 534.176 χ^2/NDF : 19.5/30

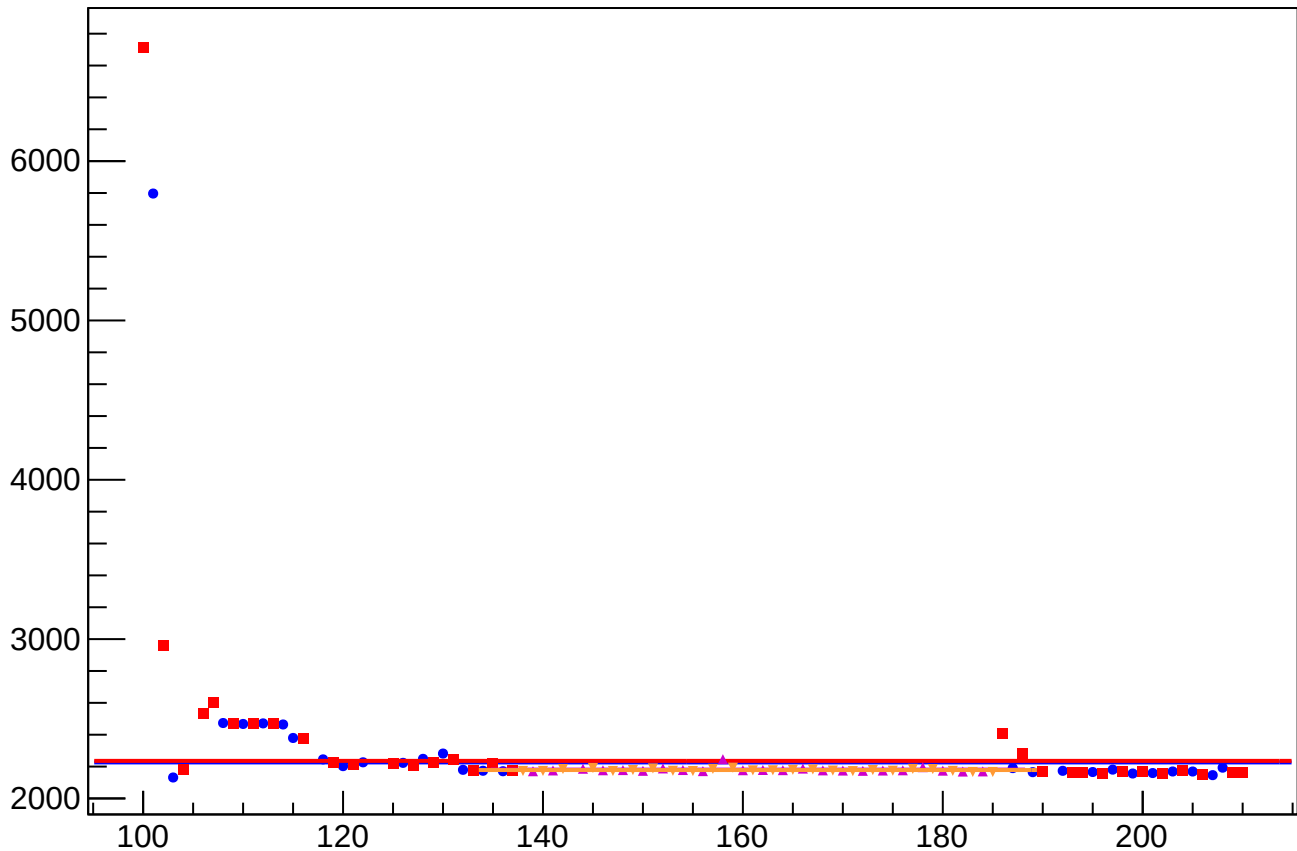
Left In: 557.079 ± 509.208 χ^2/NDF : 28.7/22

+ sign -773.341 ± 376.453 χ^2/NDF : 43.3/50

All: -28.498 ± 263.363 χ^2/NDF : 99.3/104

- sign 685.500 ± 368.575 χ^2/NDF : 48.3/53

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2226.096 $\pm$ 0.399 χ^2 /NDF: 544012.8/26

Left Out: 2178.244 $\pm$ 0.357 χ^2 /NDF:389.1/23

Right Out: 2235.792 $\pm$ 0.378 χ^2 /NDF: 199548.8/30

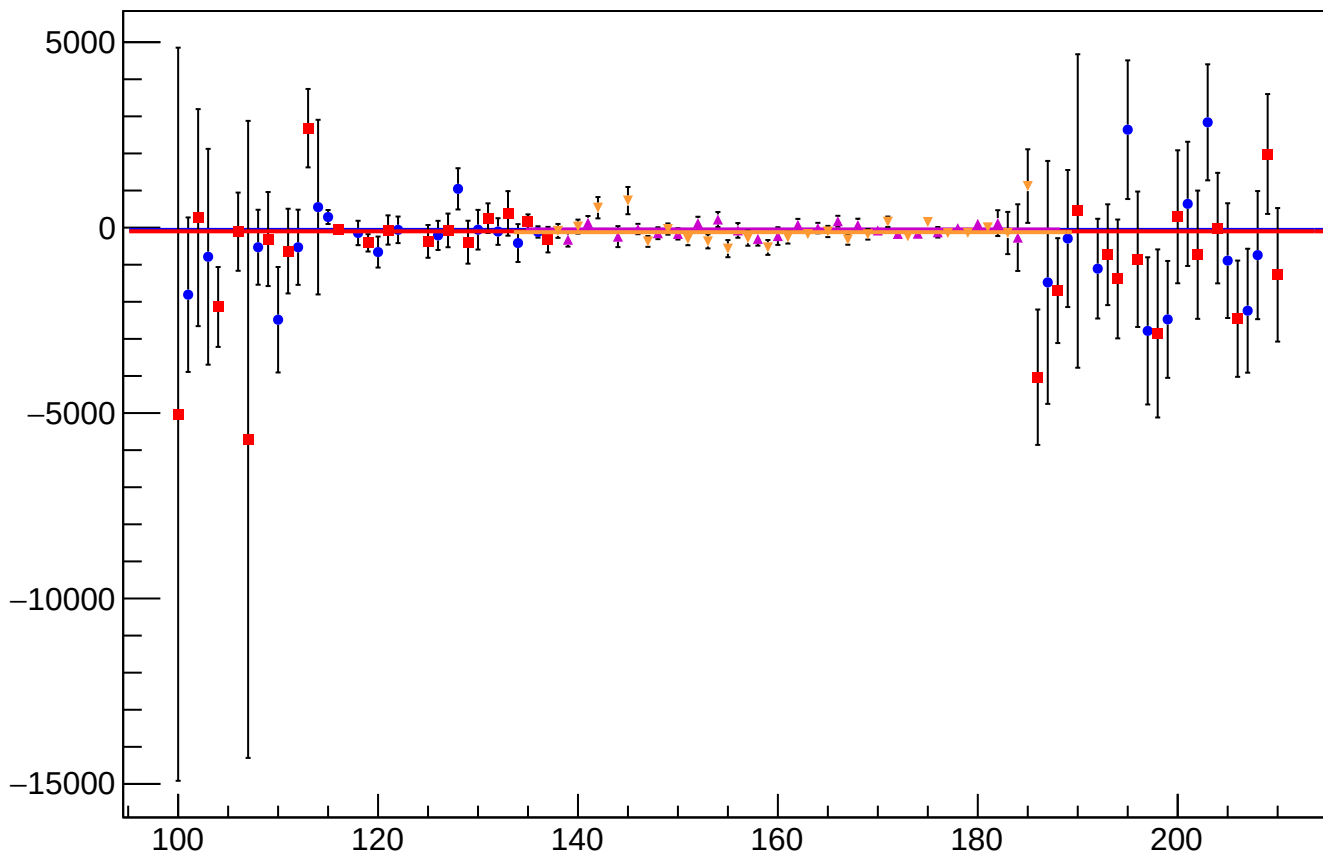
Left In: 2180.919 $\pm$ 0.360 χ^2 /NDF:1866.2/22

+ sign 2199.561 $\pm$ 0.266 χ^2 /NDF: 552384.6/50

All: 2203.381 $\pm$ 0.186 χ^2 /NDF: 765260.3/104

- sign 2207.043 $\pm$ 0.261 χ^2 /NDF: 212472.3/53

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -61.088 ± 89.540 χ^2/NDF : 27.3/26

Left Out: -122.928 ± 31.408 χ^2/NDF : 43.8/23

Right Out: -100.151 ± 81.101 χ^2/NDF : 30.5/30

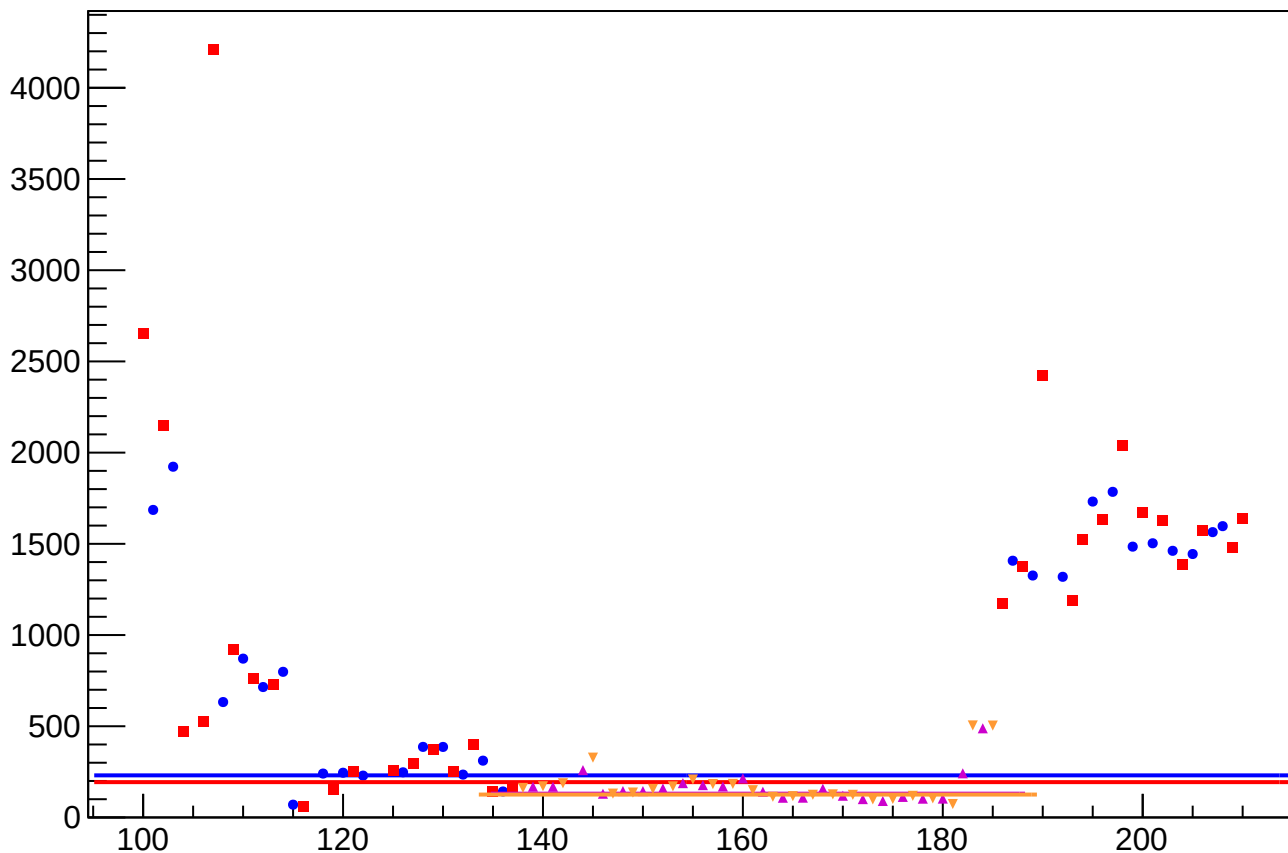
Left In: -50.209 ± 32.548 χ^2/NDF : 18.3/22

+ sign -116.153 ± 29.638 χ^2/NDF : 71.5/50

All: -87.206 ± 21.155 χ^2/NDF : 122.5/104

- sign -57.137 ± 30.206 χ^2/NDF : 49.1/53

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 230.762 $\pm$ 0.063 χ^2 /NDF: 17641215.2/26

Left Out: 125.503 $\pm$ 0.022 χ^2 /NDF: 3943570.9/23

Right Out: 193.656 $\pm$ 0.057 χ^2 /NDF: 22240795.8/30

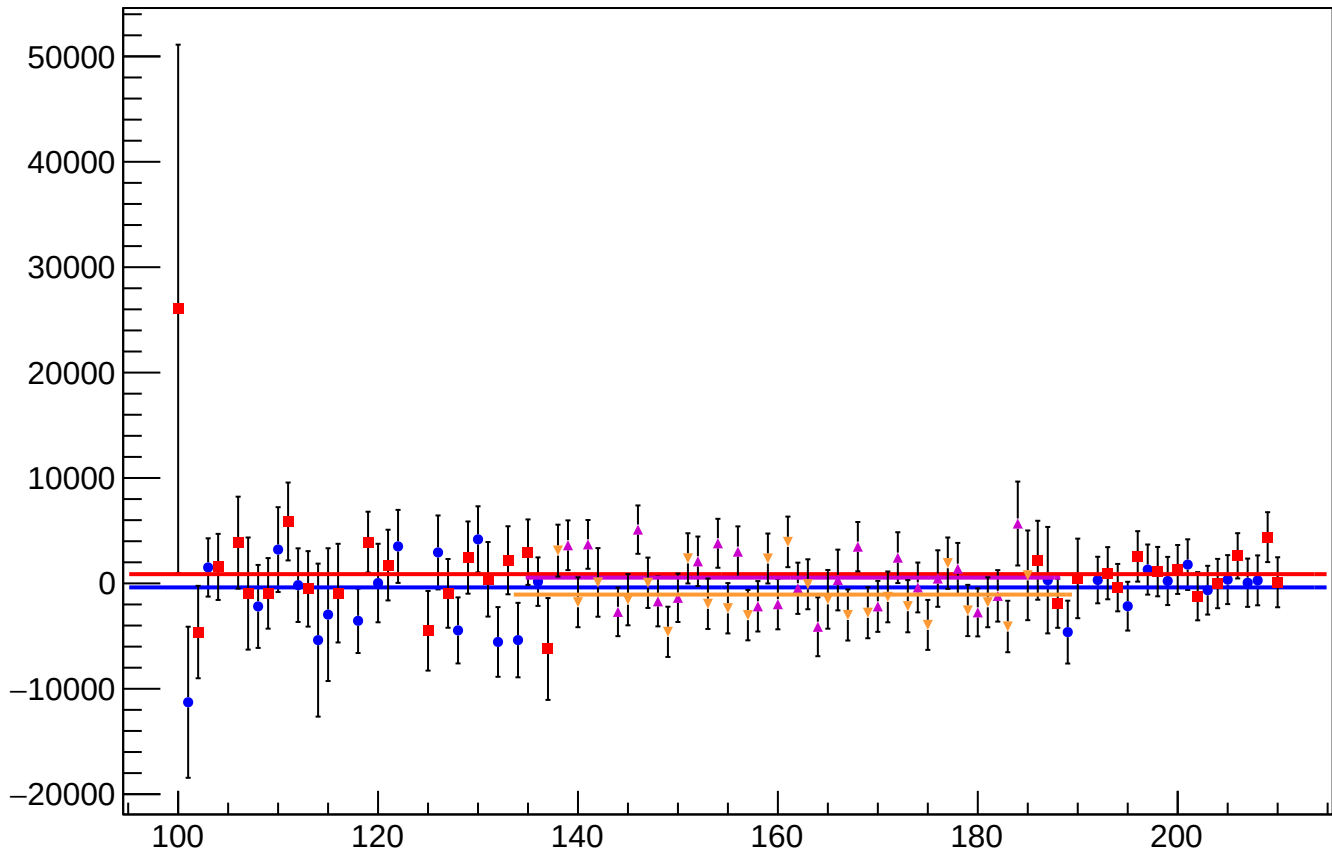
Left In: 130.451 $\pm$ 0.023 χ^2 /NDF: 2679365.4/22

+ sign 137.035 $\pm$ 0.021 χ^2 /NDF: 24045892.5/50

All: 138.106 $\pm$ 0.015 χ^2 /NDF: 50017615.1/100

- sign 139.219 $\pm$ 0.021 χ^2 /NDF: 25966395.6/53

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -380.600 ± 564.672 χ^2/NDF : 20.3/26

Left Out: -1062.372 ± 505.627 χ^2/NDF : 21.9/23

Right Out: 876.647 ± 535.633 χ^2/NDF : 18.5/30

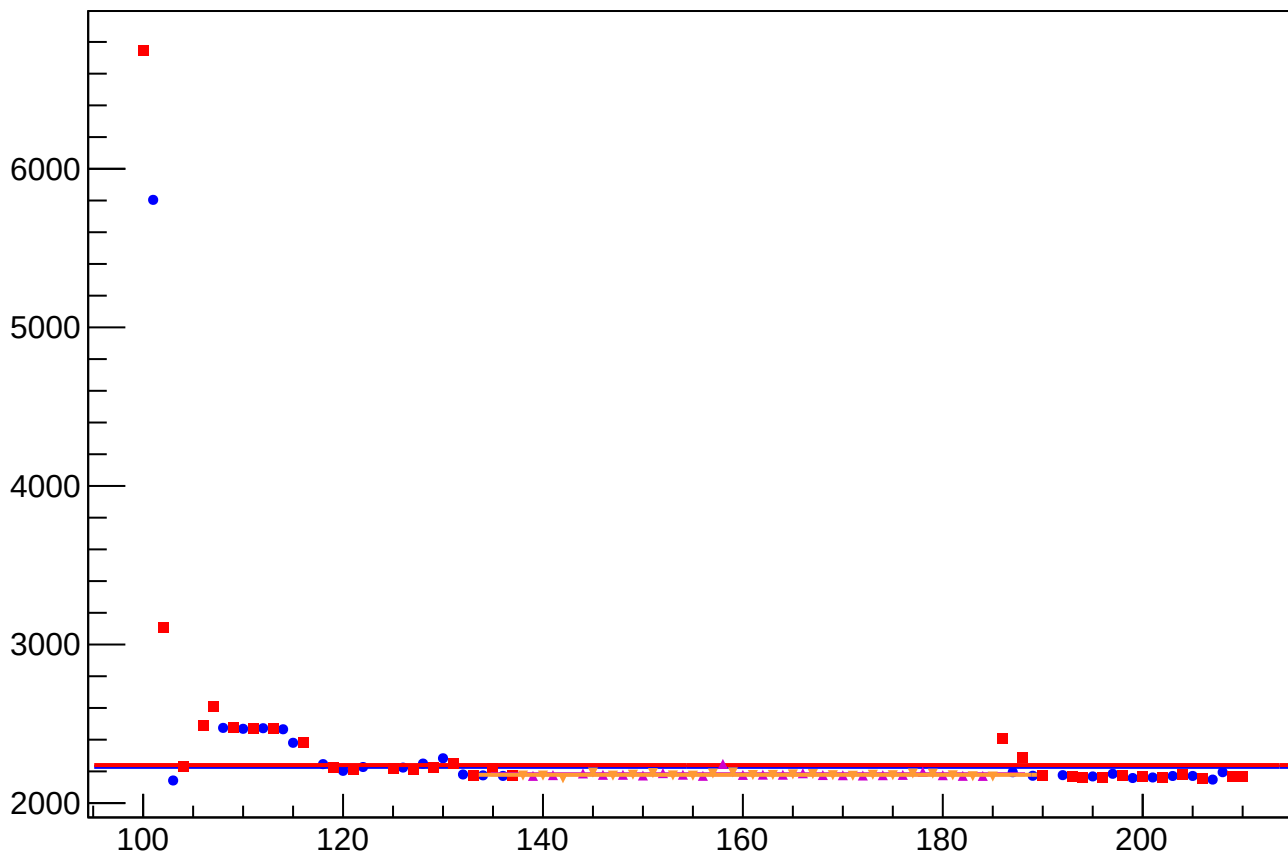
Left In: 544.260 ± 509.433 χ^2/NDF : 27.9/22

+ sign -758.984 ± 376.683 χ^2/NDF : 43.0/50

All: -13.649 ± 263.647 χ^2/NDF : 97.3/104

- sign 702.126 ± 369.138 χ^2/NDF : 46.6/53

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2228.558 $\pm$ 0.399 χ^2 /NDF: 543306.7/26

Left Out: 2178.503 $\pm$ 0.358 χ^2 /NDF: 456.1/23

Right Out: 2239.932 $\pm$ 0.379 χ^2 /NDF: 215180.6/30

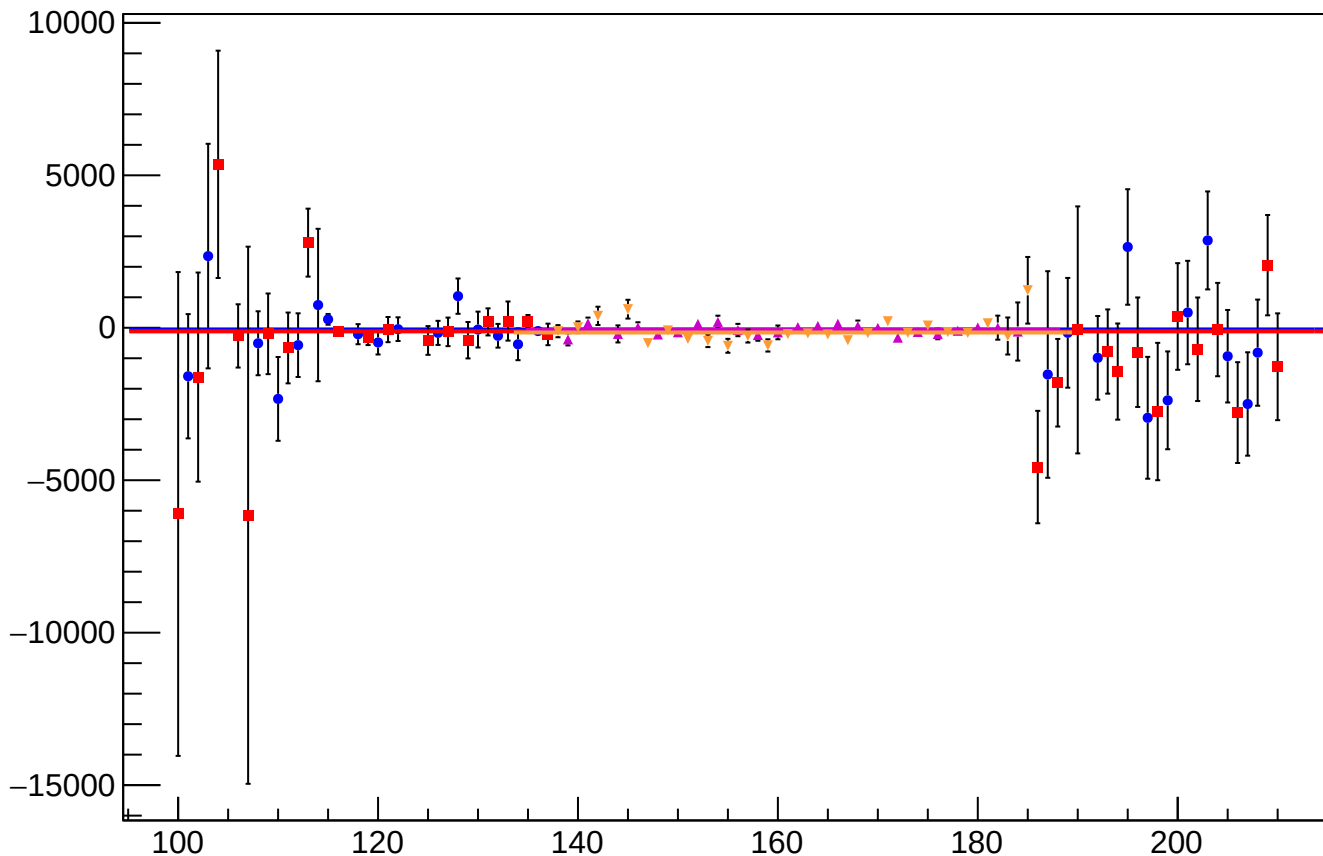
Left In: 2181.882 $\pm$ 0.360 χ^2 /NDF: 1838.2/22

+ sign 2200.777 $\pm$ 0.266 χ^2 /NDF: 552484.8/50

All: 2205.203 $\pm$ 0.186 χ^2 /NDF: 782378.6/104

- sign 2209.453 $\pm$ 0.261 χ^2 /NDF: 229352.6/53

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug



Right In: -54.579 ± 90.986 χ^2/NDF : 27.0/26

Left Out: -154.725 ± 34.061 χ^2/NDF : 47.3/23

Right Out: -118.236 ± 84.707 χ^2/NDF : 29.7/30

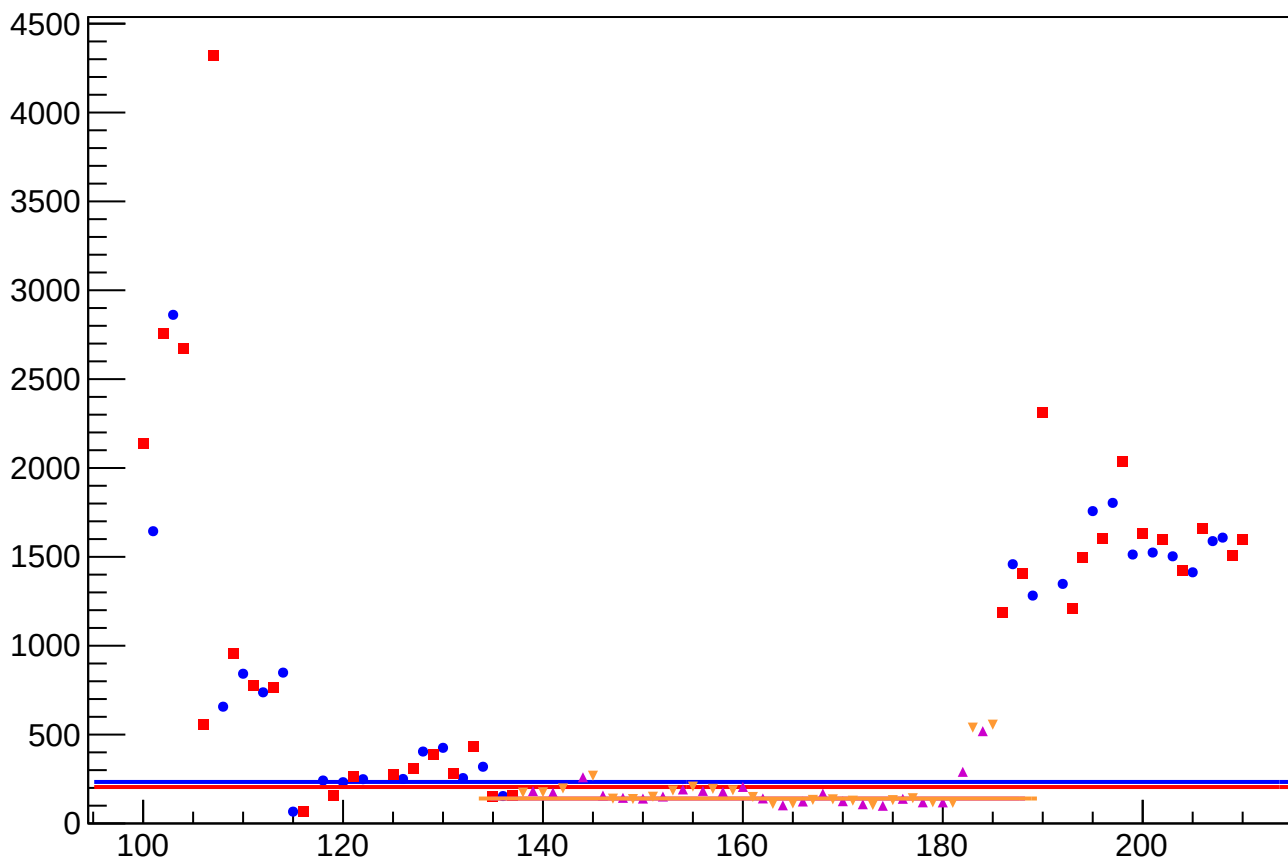
Left In: -70.142 ± 34.204 χ^2/NDF : 18.9/22

+ sign -142.416 ± 31.899 χ^2/NDF : 75.4/50

All: -109.462 ± 22.491 χ^2/NDF : 126.4/104

- sign -76.884 ± 31.716 χ^2/NDF : 48.9/53

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 233.526 $\pm$ 0.064 χ^2 /NDF: 18200370.2/26

Left Out: 140.319 $\pm$ 0.024 χ^2 /NDF: 2760284.0/23

Right Out: 204.921 $\pm$ 0.060 χ^2 /NDF: 23013776.0/30

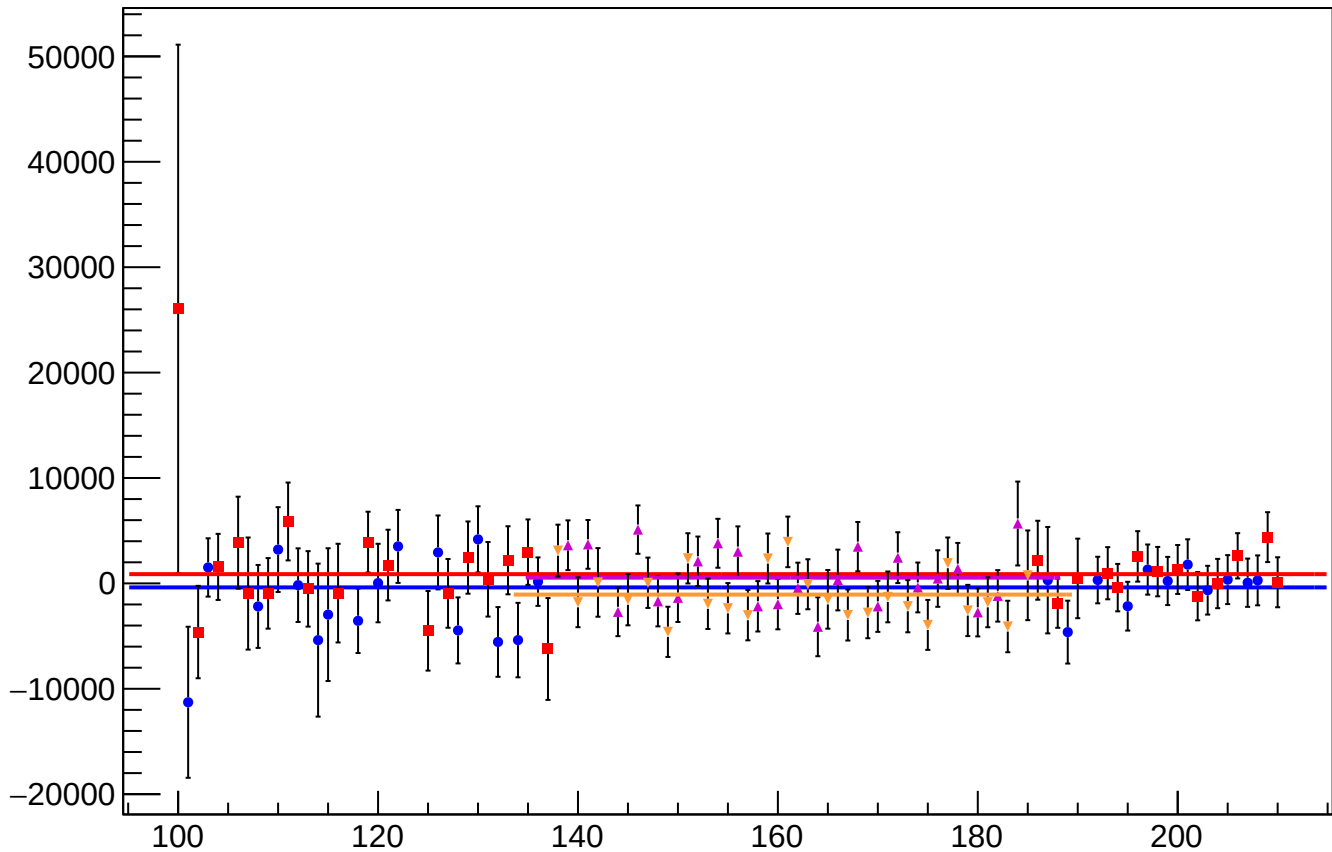
Left In: 139.979 $\pm$ 0.024 χ^2 /NDF: 2412455.4/22

+ sign 151.775 $\pm$ 0.023 χ^2 /NDF: 22801524.9/50

All: 150.421 $\pm$ 0.016 χ^2 /NDF: 49245673.6/10

- sign 149.083 $\pm$ 0.022 χ^2 /NDF: 26436985.2/53

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -380.602 ± 564.672 χ^2/NDF : 20.3/26

Left Out: -1062.373 ± 505.627 χ^2/NDF : 21.9/23

Right Out: 876.646 ± 535.633 χ^2/NDF : 18.5/30

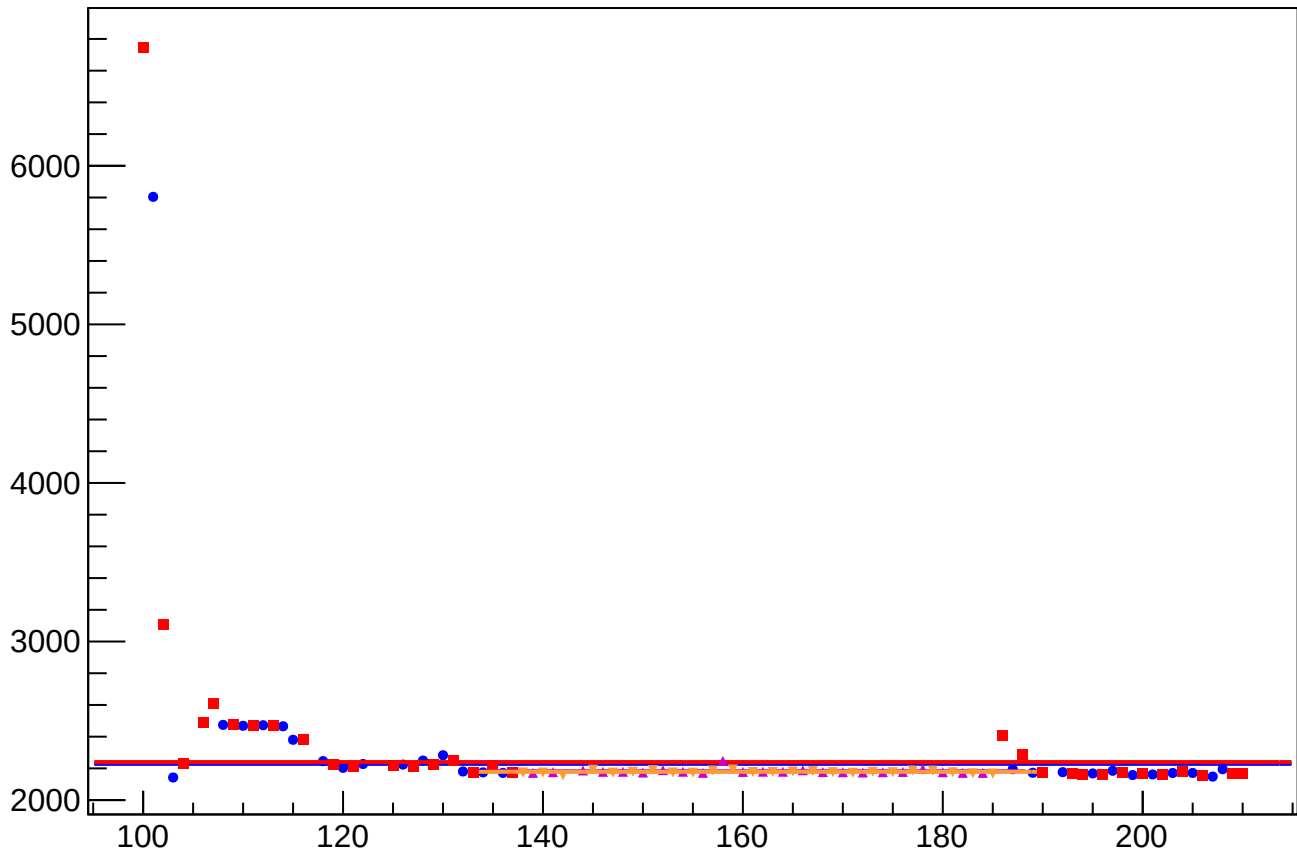
Left In: 544.259 ± 509.433 χ^2/NDF : 27.9/22

+ sign -758.985 ± 376.683 χ^2/NDF : 43.0/50

All: -13.650 ± 263.647 χ^2/NDF : 97.3/104

- sign 702.125 ± 369.138 χ^2/NDF : 46.6/53

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2228.558+/-0.399 χ^2/NDF : 543306.7/26

Left Out: 2178.503+/-0.358 χ^2/NDF : 456.1/23

Right Out: 2239.932+/-0.379 χ^2/NDF : 215180.5/30

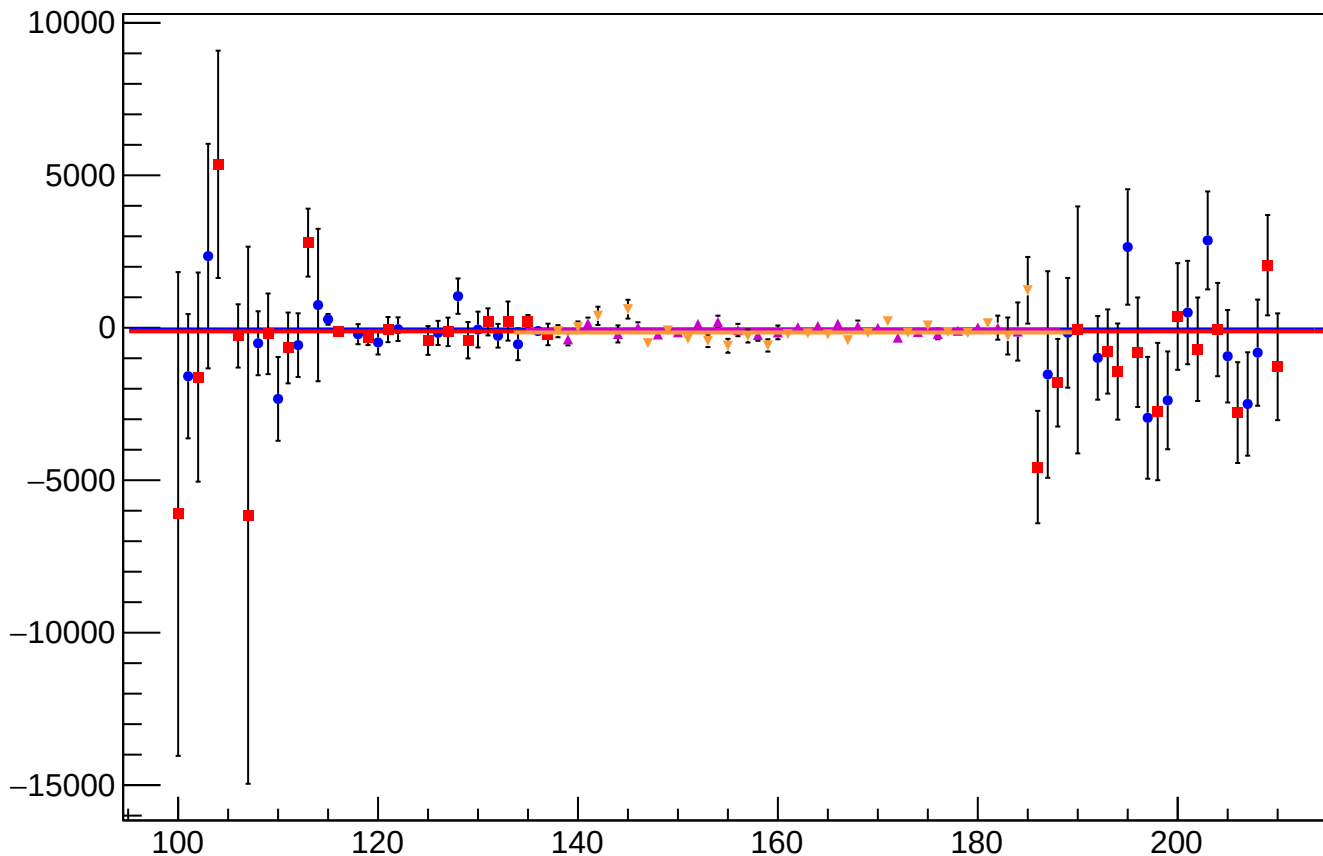
Left In: 2181.882+/-0.360 χ^2/NDF : 1838.2/22

+ sign 2200.777+/-0.266 χ^2/NDF : 552484.8/50

All: 2205.203+/-0.186 χ^2/NDF : 782378.5/104

- sign 2209.453+/-0.261 χ^2/NDF : 229352.5/53

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -54.576 ± 90.985 χ^2/NDF : 27.0/26

Left Out: -154.726 ± 34.061 χ^2/NDF : 47.3/23

Right Out: -118.236 ± 84.706 χ^2/NDF : 29.7/30

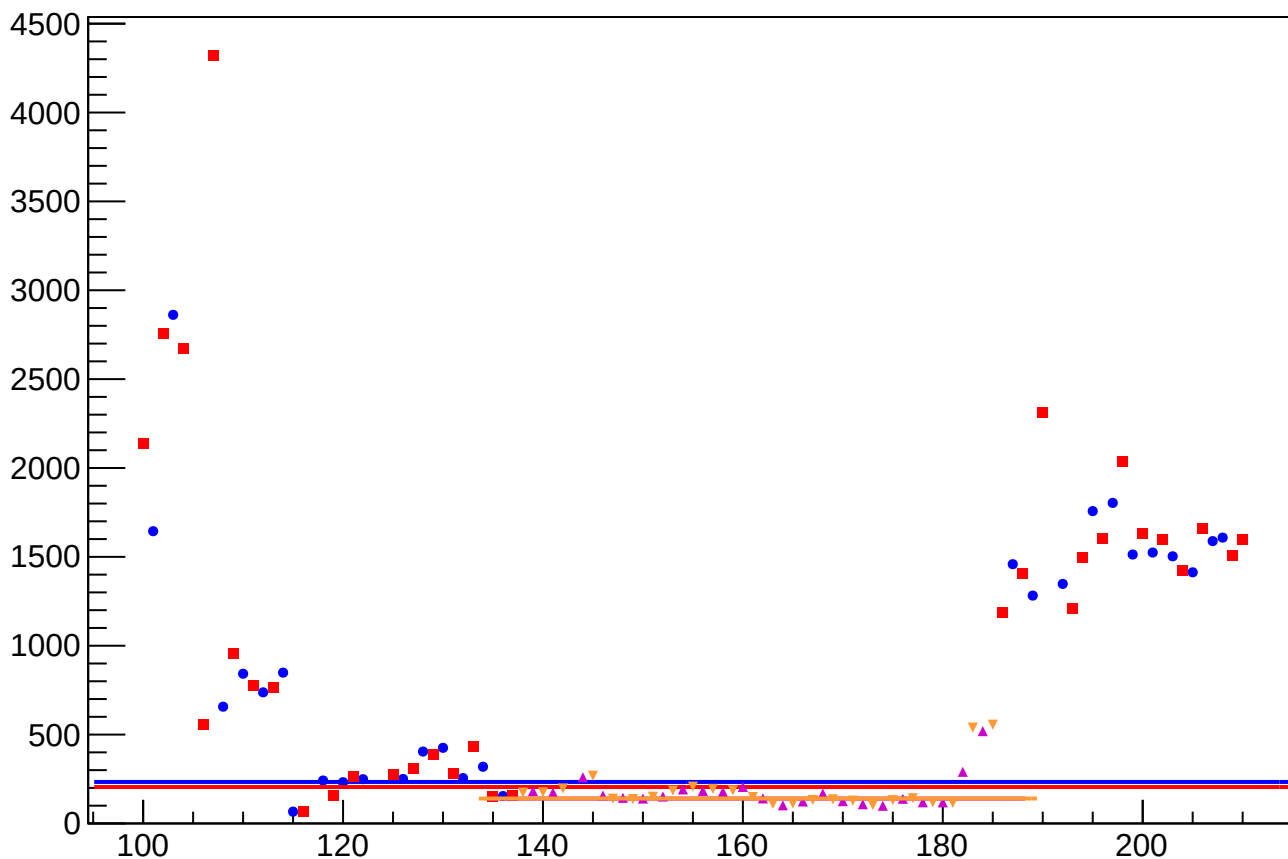
Left In: -70.141 ± 34.204 χ^2/NDF : 18.9/22

+ sign -142.416 ± 31.899 χ^2/NDF : 75.4/50

All: -109.462 ± 22.491 χ^2/NDF : 126.4/104

- sign -76.883 ± 31.716 χ^2/NDF : 48.9/53

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 233.523+/-0.064 χ^2/NDF : 18200465.0/26

Left Out: 140.319+/-0.024 χ^2/NDF : 2760280.2/23

Right Out: 204.918+/-0.060 χ^2/NDF : 23013902.4/30

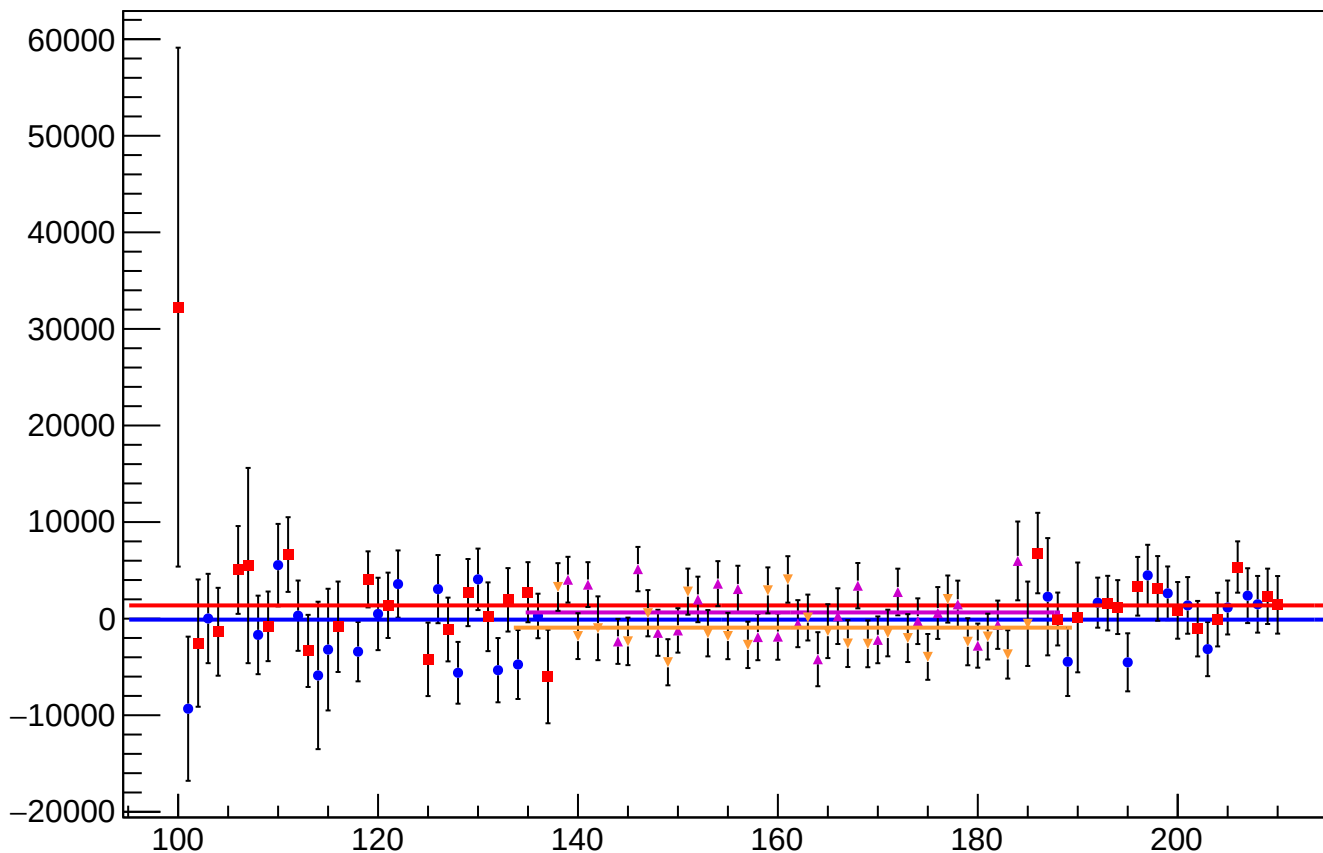
Left In: 139.979+/-0.024 χ^2/NDF : 2412509.5/22

+ sign 151.775+/-0.023 χ^2/NDF : 22801510.6/50

All: 150.421+/-0.016 χ^2/NDF : 49245757.0/10

- sign 149.083+/-0.022 χ^2/NDF : 26437081.4/53

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -100.996 ± 645.667 χ^2/NDF : 26.3/26

Left Out: -932.002 ± 507.717 χ^2/NDF : 22.4/23

Right Out: 1370.351 ± 623.154 χ^2/NDF : 19.3/30

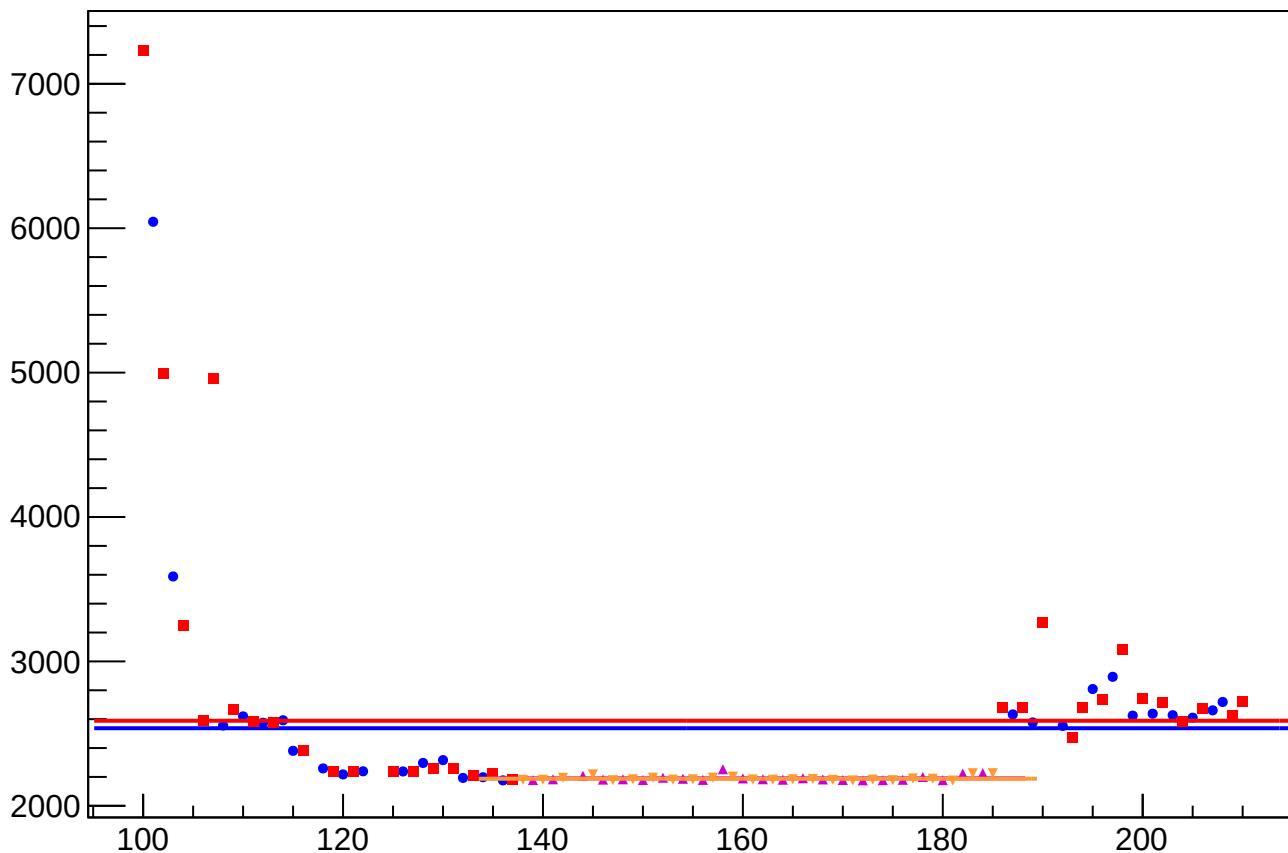
Left In: 642.773 ± 511.372 χ^2/NDF : 27.0/22

+ sign -614.490 ± 399.105 χ^2/NDF : 49.7/50

All: 167.947 ± 280.858 χ^2/NDF : 104.5/104

- sign 935.565 ± 395.308 χ^2/NDF : 47.1/53

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2537.248+/-0.457 χ^2/NDF : 778602.4/26

Left Out: 2187.620+/-0.359 χ^2/NDF :1342.1/23

Right Out: 2589.078+/-0.441 χ^2/NDF : 778923.2/30

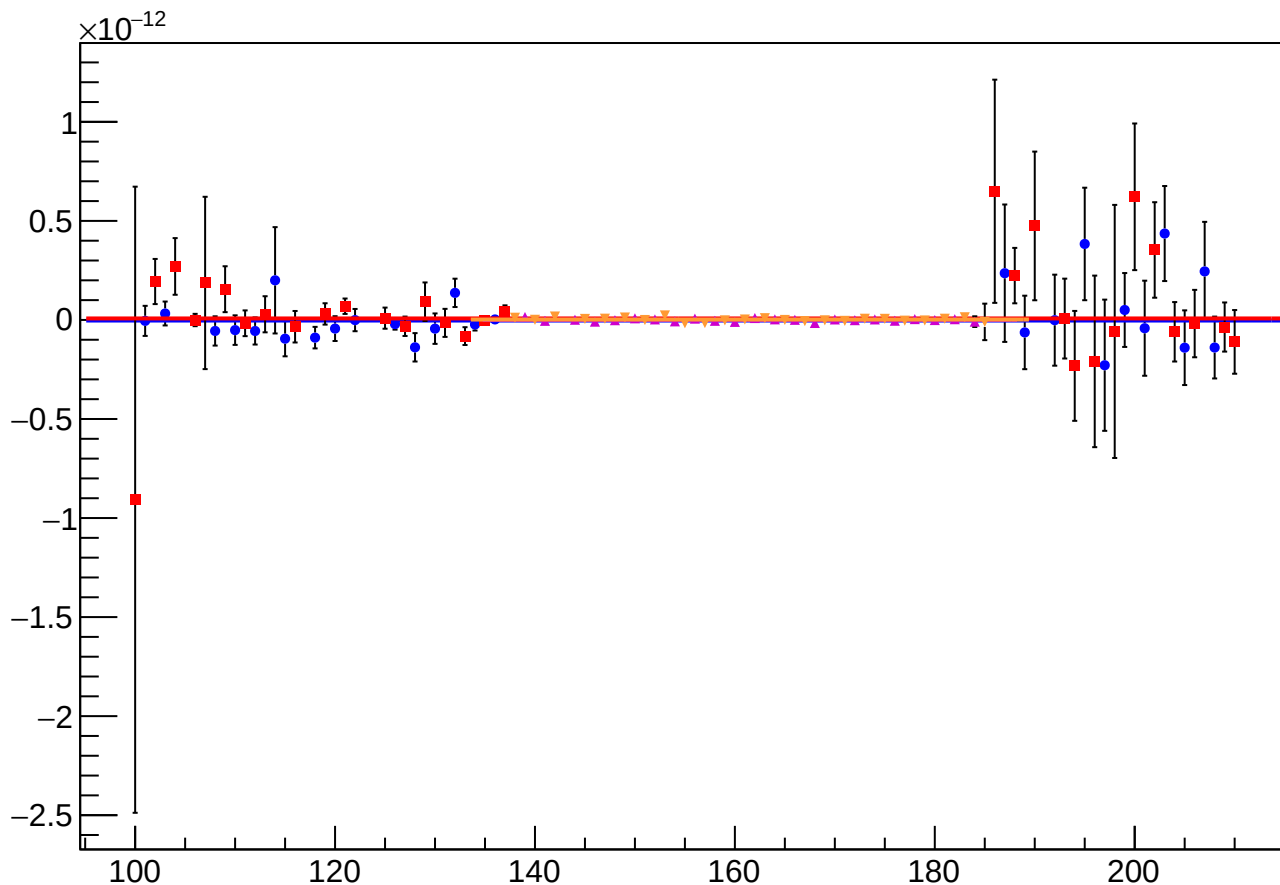
Left In: 2190.163+/-0.362 χ^2/NDF :2542.8/22

+ sign 2321.206+/-0.282 χ^2/NDF : 1142318.0/50

All: 2336.092+/-0.199 χ^2/NDF : 2419070.9/10

- sign 2350.695+/-0.280 χ^2/NDF : 1271241.5/53

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:19.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.8/30

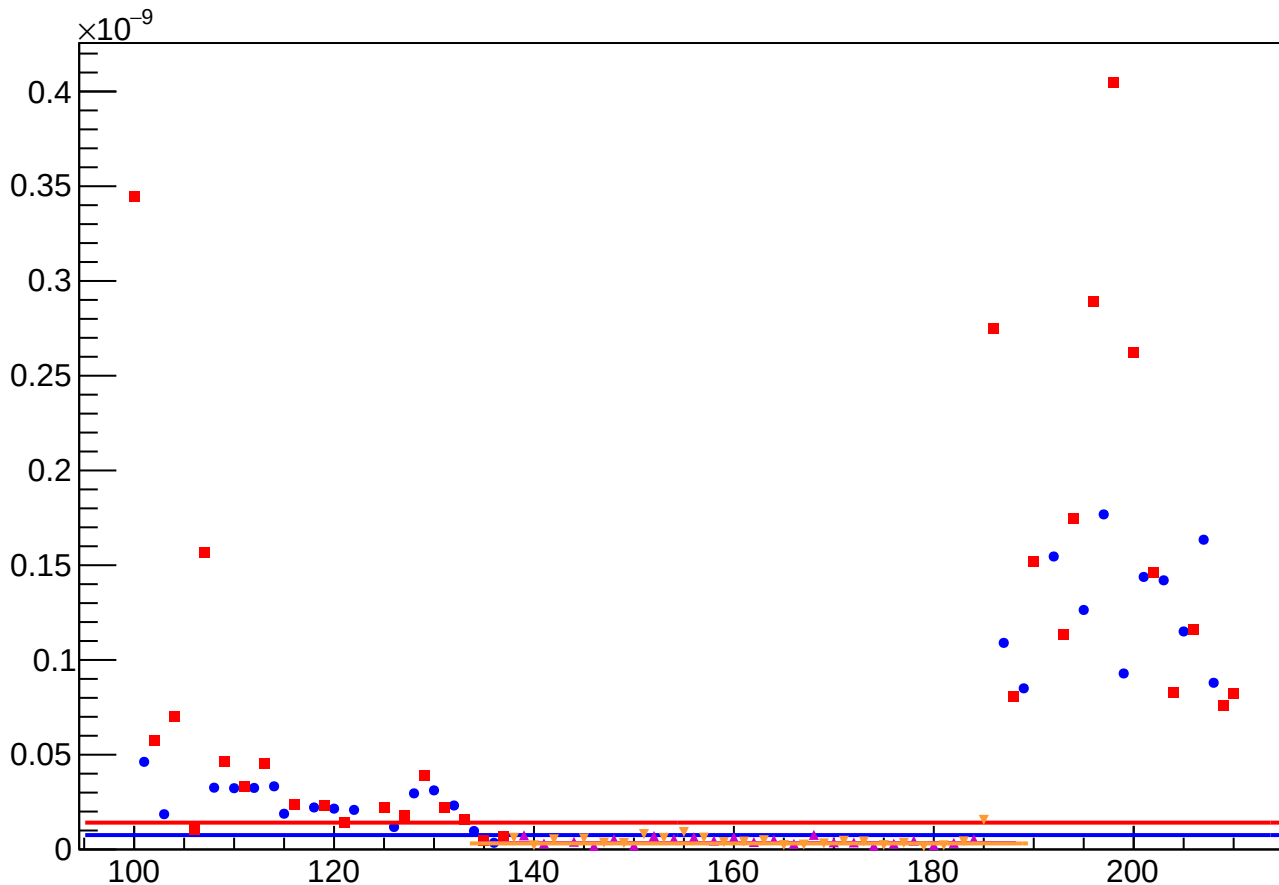
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.2/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 89.2/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.7/53

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8764282.8/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 10210781.2/30

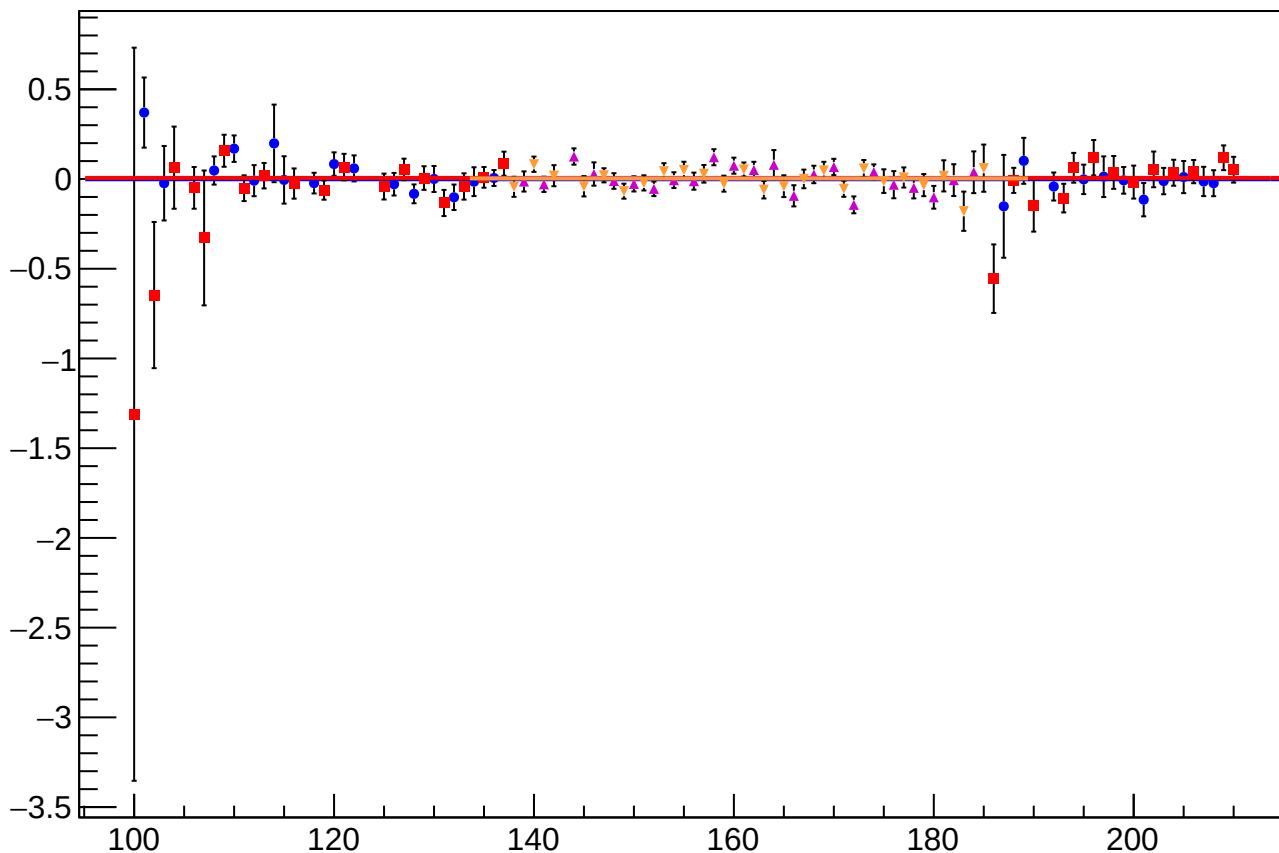
Left In: 0.000+/-0.000 χ^2/NDF : 1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 11764982.7/50

All: 0.000+/-0.000 χ^2/NDF : 26145270.7/104

- sign 0.000+/-0.000 χ^2/NDF : 14347852.2/53

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.015 χ^2/NDF : 20.3/26

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: 0.006 ± 0.015 χ^2/NDF : 34.0/30

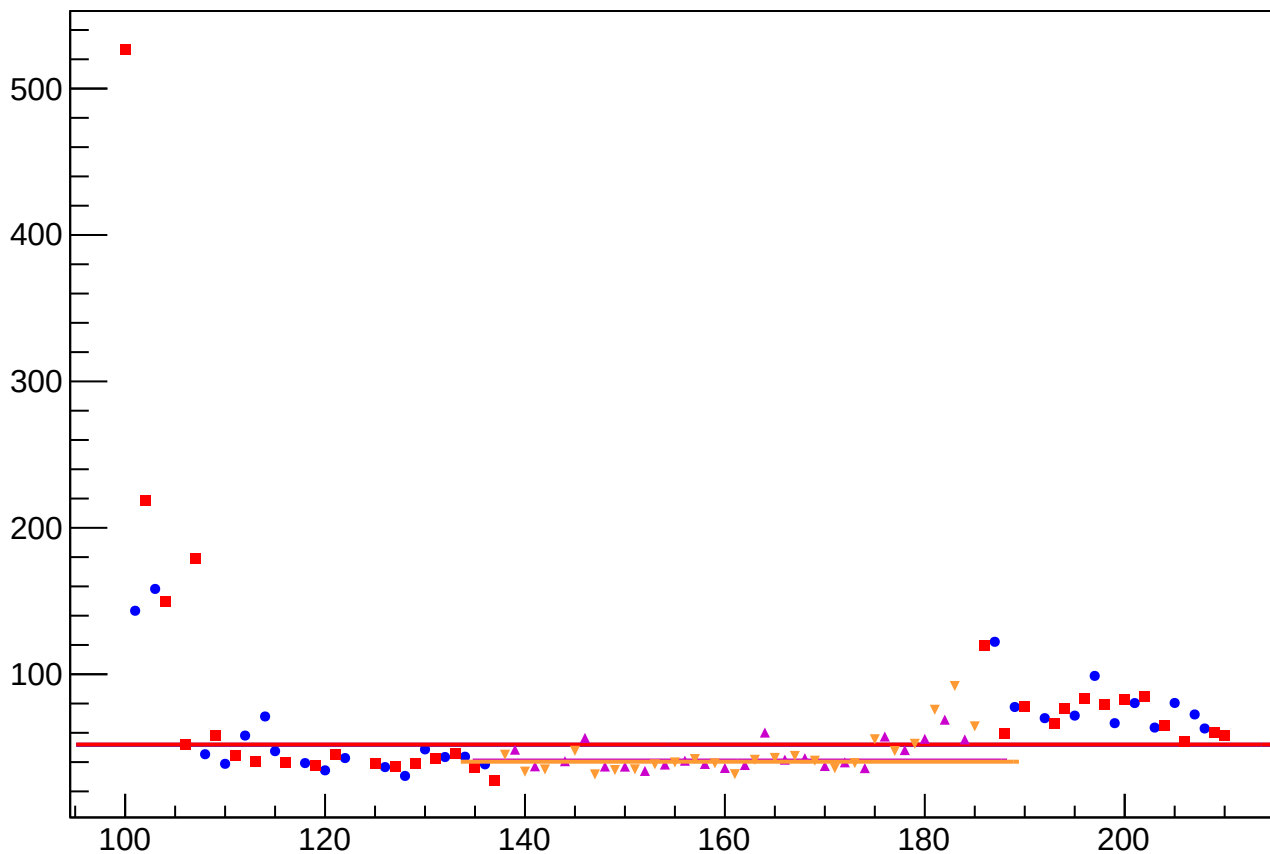
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.002 ± 0.009 χ^2/NDF : 42.2/50

All: 0.004 ± 0.006 χ^2/NDF : 117.7/104

- sign 0.006 ± 0.009 χ^2/NDF : 75.5/53

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 51.832 $\pm$ 0.011 χ^2 /NDF: 3485870.6/26

Left Out: 40.277 $\pm$ 0.007 χ^2 /NDF: 1489065.3/23

Right Out: 51.999 $\pm$ 0.010 χ^2 /NDF: 3573033.9/30

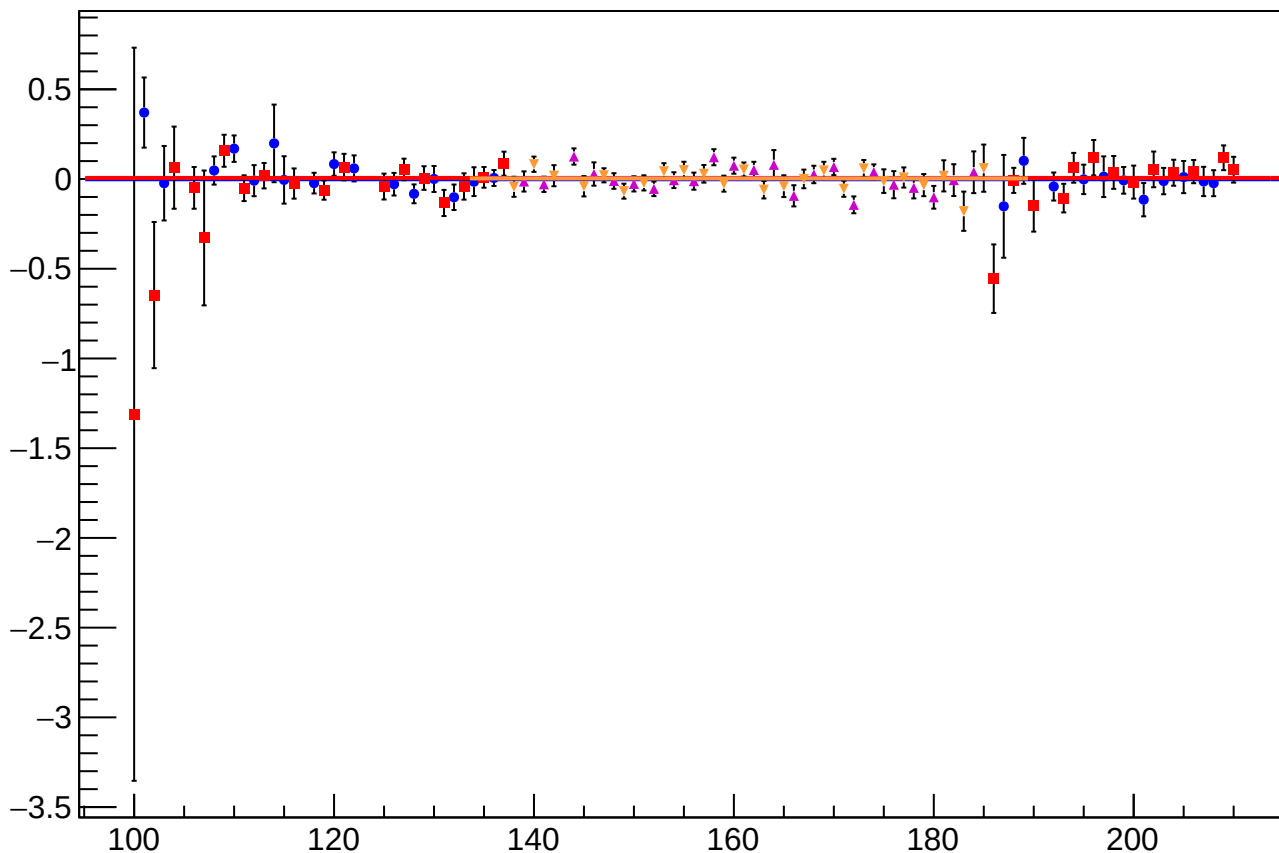
Left In: 41.082 $\pm$ 0.007 χ^2 /NDF: 926843.9/22

+ sign 43.994 $\pm$ 0.006 χ^2 /NDF: 5773868.4/50

All: 44.429 $\pm$ 0.004 χ^2 /NDF: 11024295.8/104

- sign 44.864 $\pm$ 0.006 χ^2 /NDF: 5240055.6/53

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.015 χ^2/NDF : 20.3/26

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: 0.006 ± 0.015 χ^2/NDF : 34.0/30

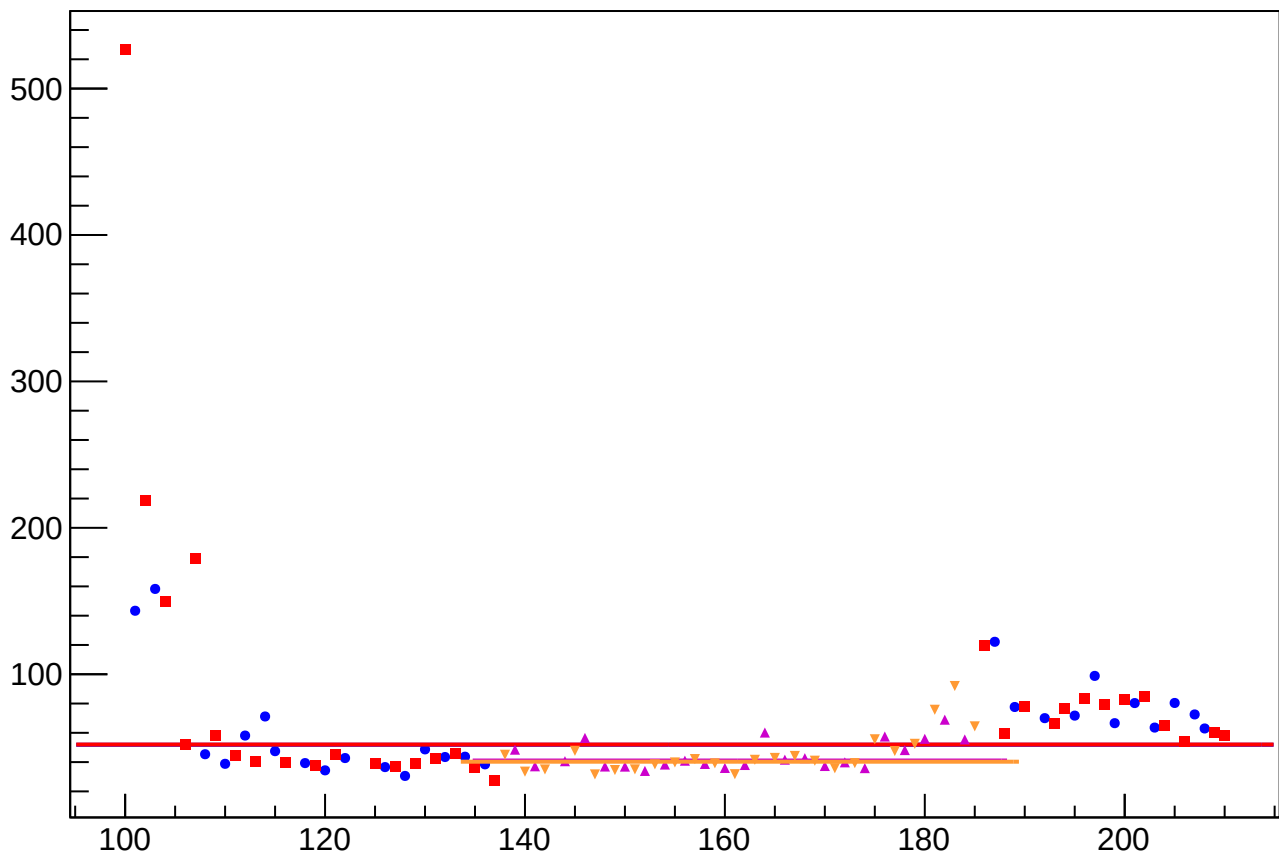
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.002 ± 0.009 χ^2/NDF : 42.2/50

All: 0.004 ± 0.006 χ^2/NDF : 117.7/104

- sign 0.006 ± 0.009 χ^2/NDF : 75.5/53

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.832 $\pm$ 0.011 χ^2 /NDF: 3485870.6/26

Left Out: 40.277 $\pm$ 0.007 χ^2 /NDF: 1489065.3/23

Right Out: 51.999 $\pm$ 0.010 χ^2 /NDF: 3573033.9/30

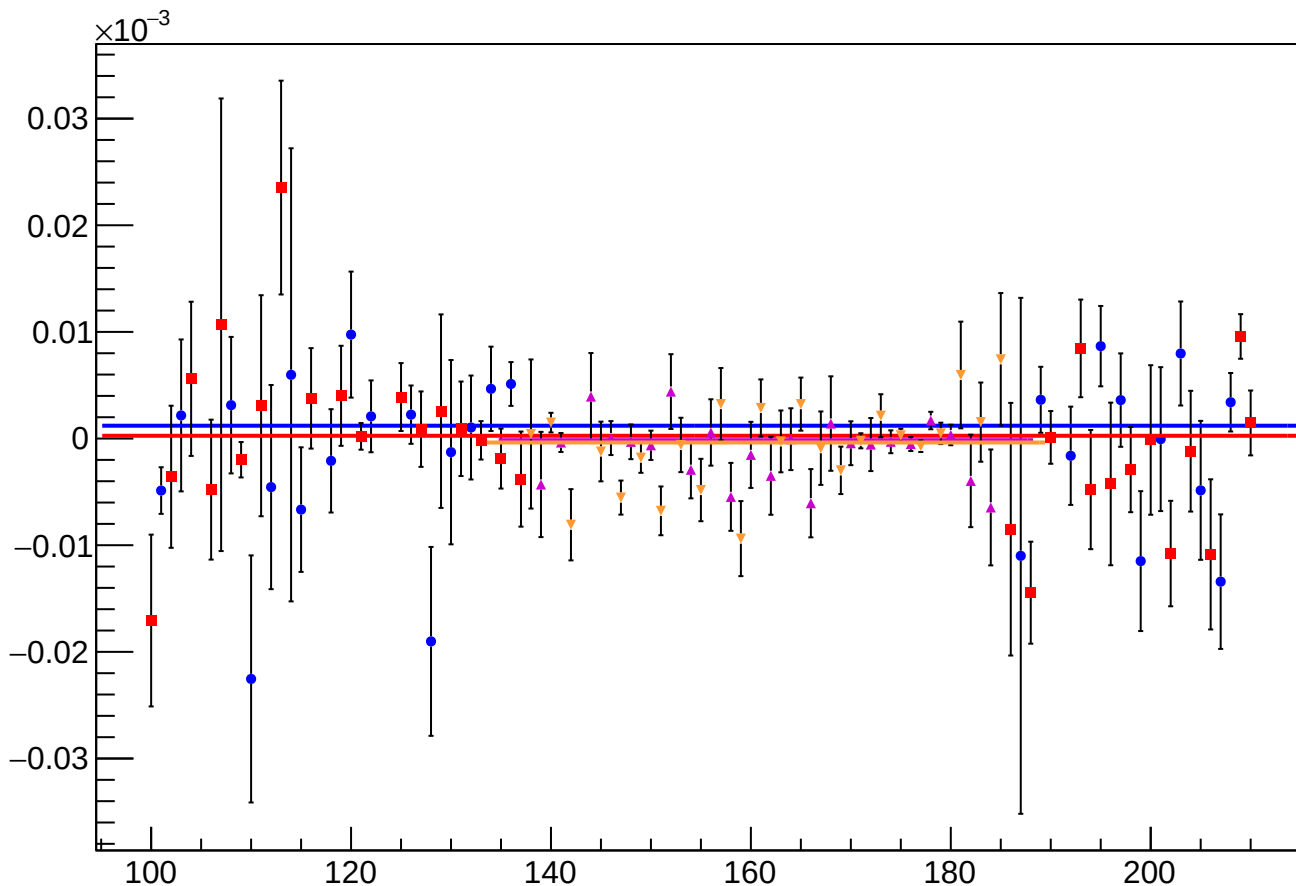
Left In: 41.082 $\pm$ 0.007 χ^2 /NDF: 926843.9/22

+ sign 43.994 $\pm$ 0.006 χ^2 /NDF: 5773868.4/50

All: 44.429 $\pm$ 0.004 χ^2 /NDF: 11024295.8/104

- sign 44.864 $\pm$ 0.006 χ^2 /NDF: 5240055.6/53

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.8/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 51.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 60.3/30

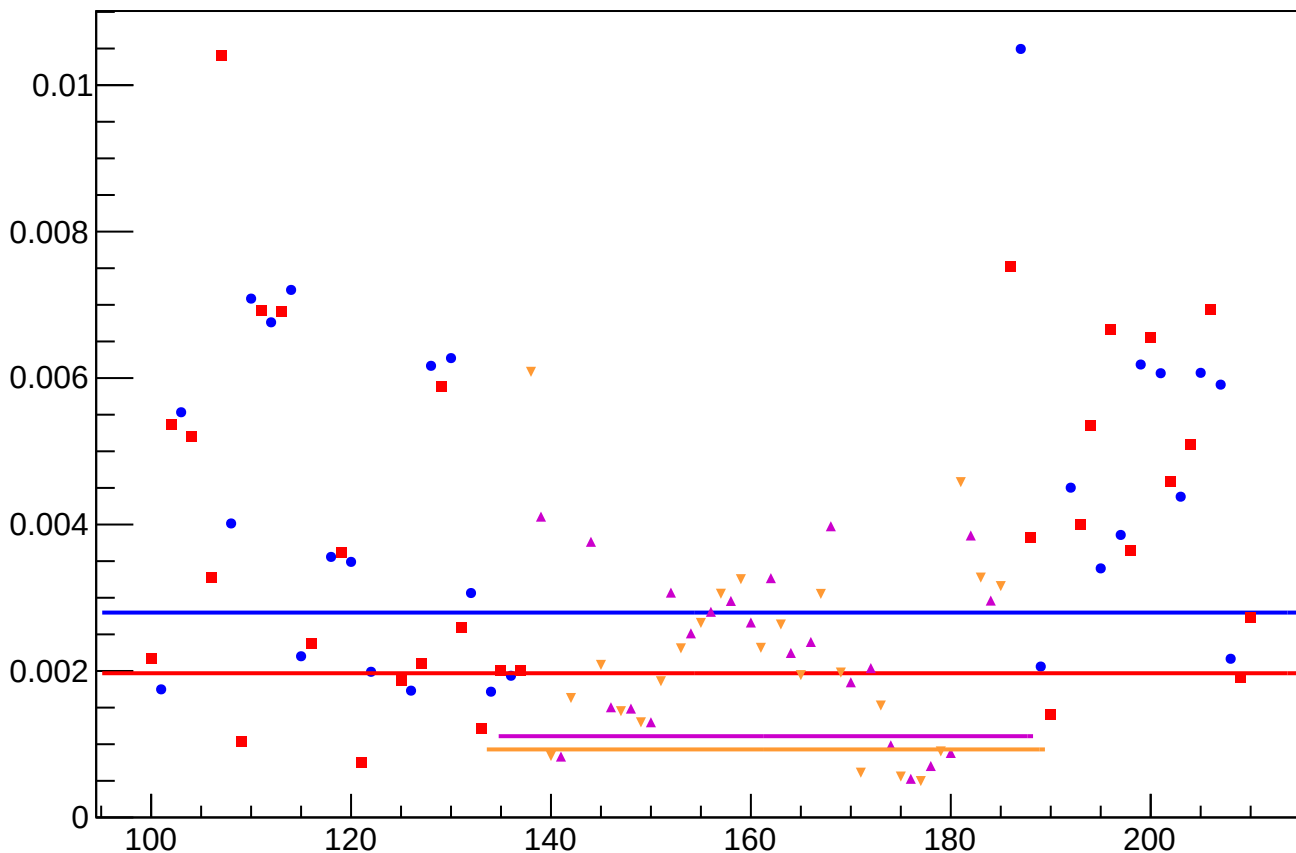
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 99.3/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 180.0/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 80.5/53

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 6239011.4/26

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF : 12568645.9/23

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 12047250.2/30

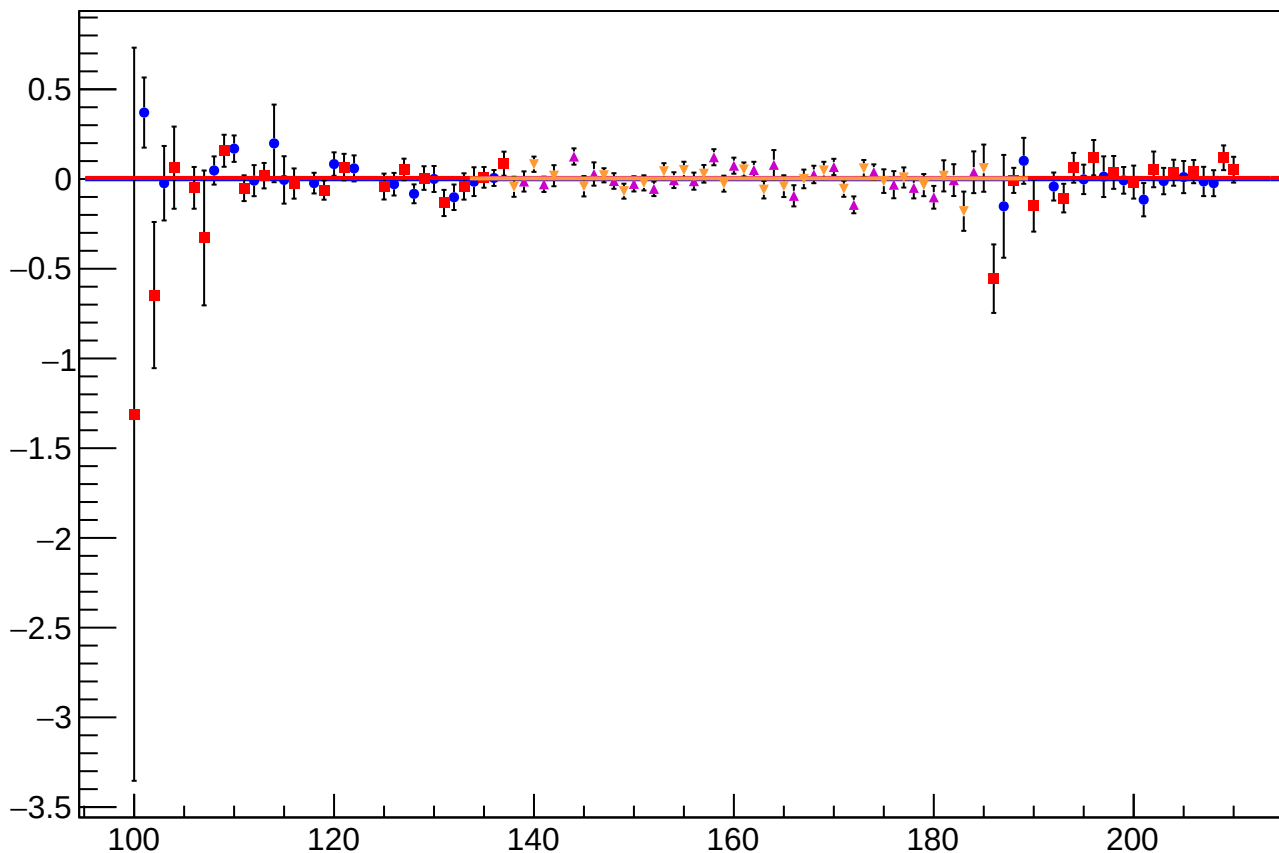
Left In: 0.001 $\pm$ 0.000 χ^2/NDF : 10930077.0/22

+ sign 0.001 $\pm$ 0.000 χ^2/NDF : 28252012.5/50

All: 0.001 $\pm$ 0.000 χ^2/NDF : 54802118.8/104

- sign 0.001 $\pm$ 0.000 χ^2/NDF : 26148438.0/53

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.015 χ^2/NDF : 20.3/26

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: 0.006 ± 0.015 χ^2/NDF : 34.0/30

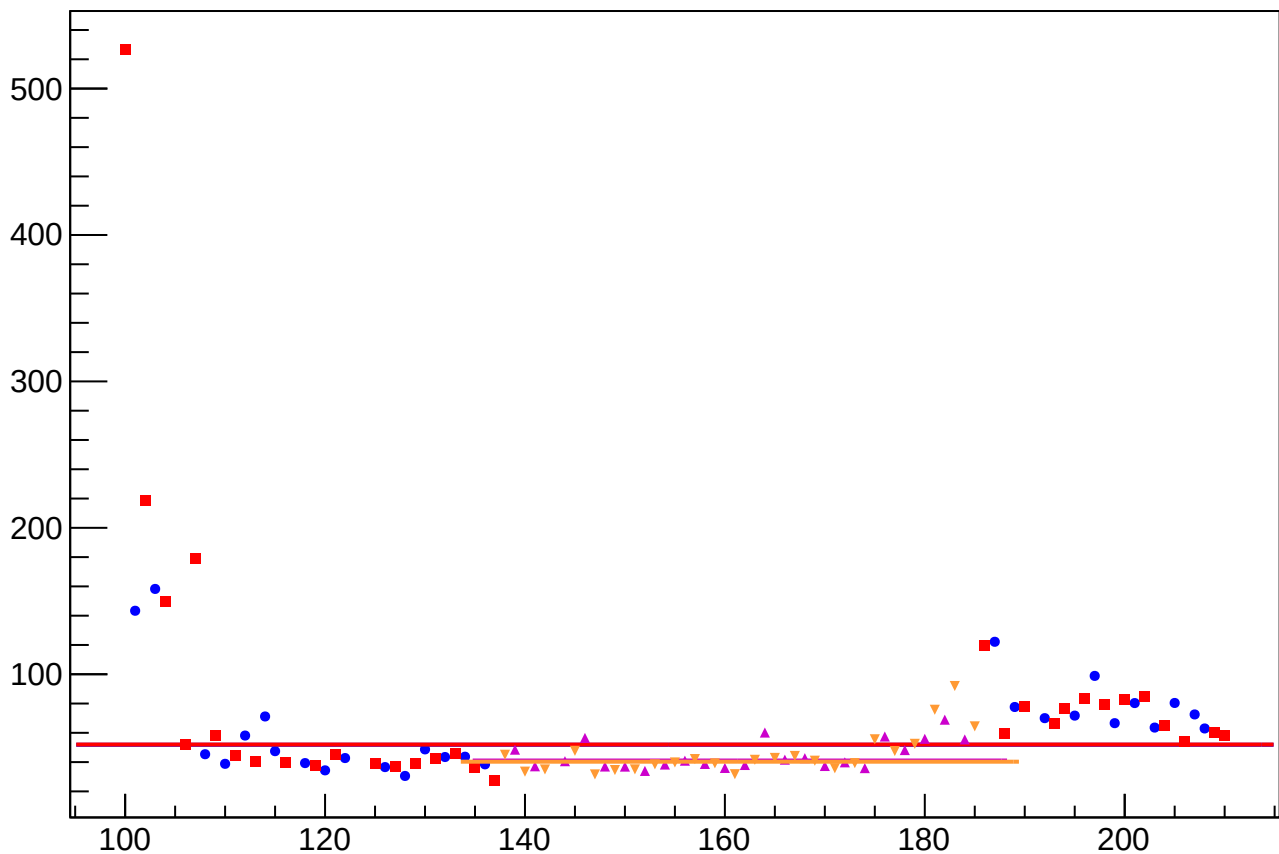
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.002 ± 0.009 χ^2/NDF : 42.2/50

All: 0.004 ± 0.006 χ^2/NDF : 117.7/104

- sign 0.006 ± 0.009 χ^2/NDF : 75.5/53

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 51.830 $\pm$ 0.011 χ^2 /NDF: 3486460.6/26

Left Out: 40.277 $\pm$ 0.007 χ^2 /NDF: 1489049.7/23

Right Out: 52.000 $\pm$ 0.010 χ^2 /NDF: 3572998.0/30

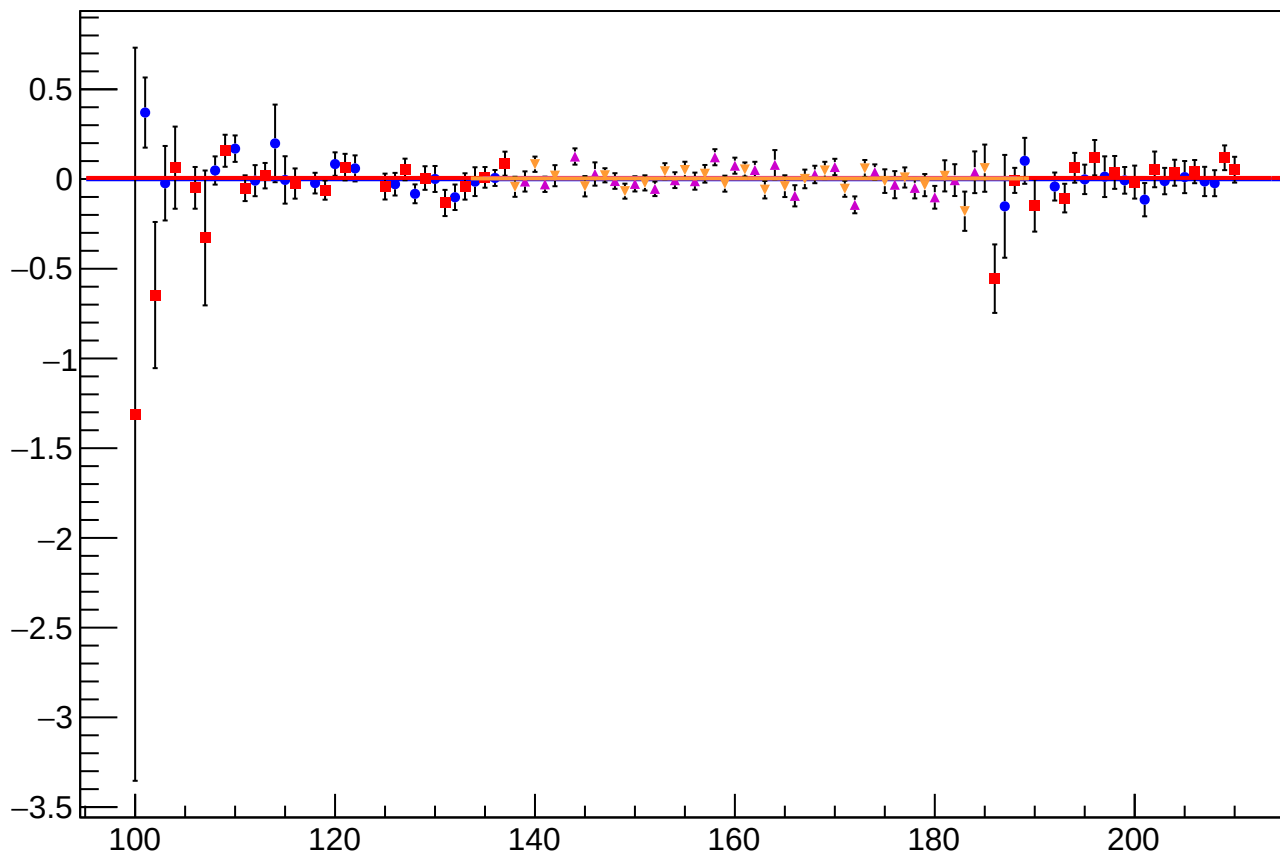
Left In: 41.082 $\pm$ 0.007 χ^2 /NDF: 926883.3/22

+ sign 43.994 $\pm$ 0.006 χ^2 /NDF: 5774165.8/50

All: 44.429 $\pm$ 0.004 χ^2 /NDF: 11024677.3/104

- sign 44.864 $\pm$ 0.006 χ^2 /NDF: 5240124.4/53

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.015 χ^2/NDF : 20.3/26

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: 0.006 ± 0.015 χ^2/NDF : 34.0/30

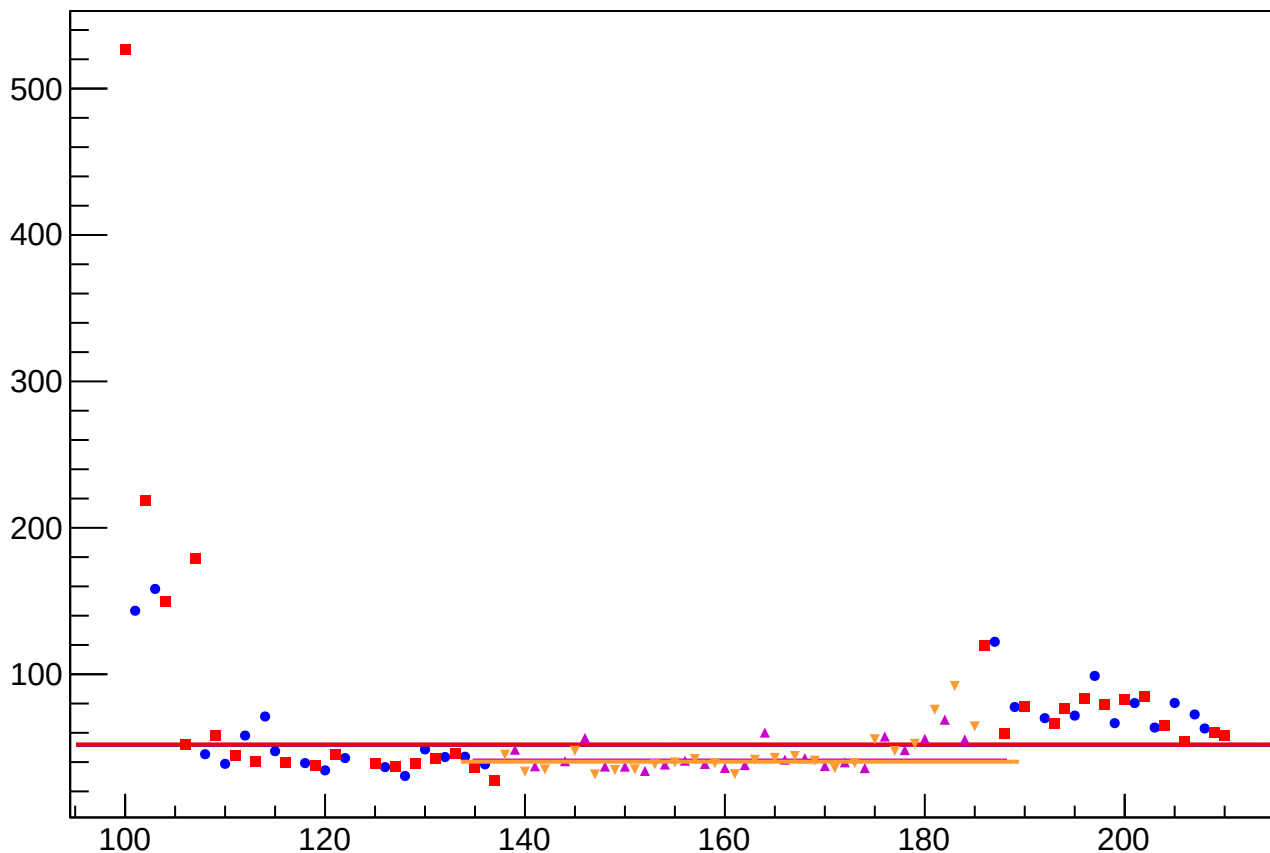
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.002 ± 0.009 χ^2/NDF : 42.2/50

All: 0.004 ± 0.006 χ^2/NDF : 117.7/104

- sign 0.006 ± 0.009 χ^2/NDF : 75.5/53

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.830 $\pm$ 0.011 χ^2 /NDF: 3486460.6/26

Left Out: 40.277 $\pm$ 0.007 χ^2 /NDF: 1489049.7/23

Right Out: 52.000 $\pm$ 0.010 χ^2 /NDF: 3572998.0/30

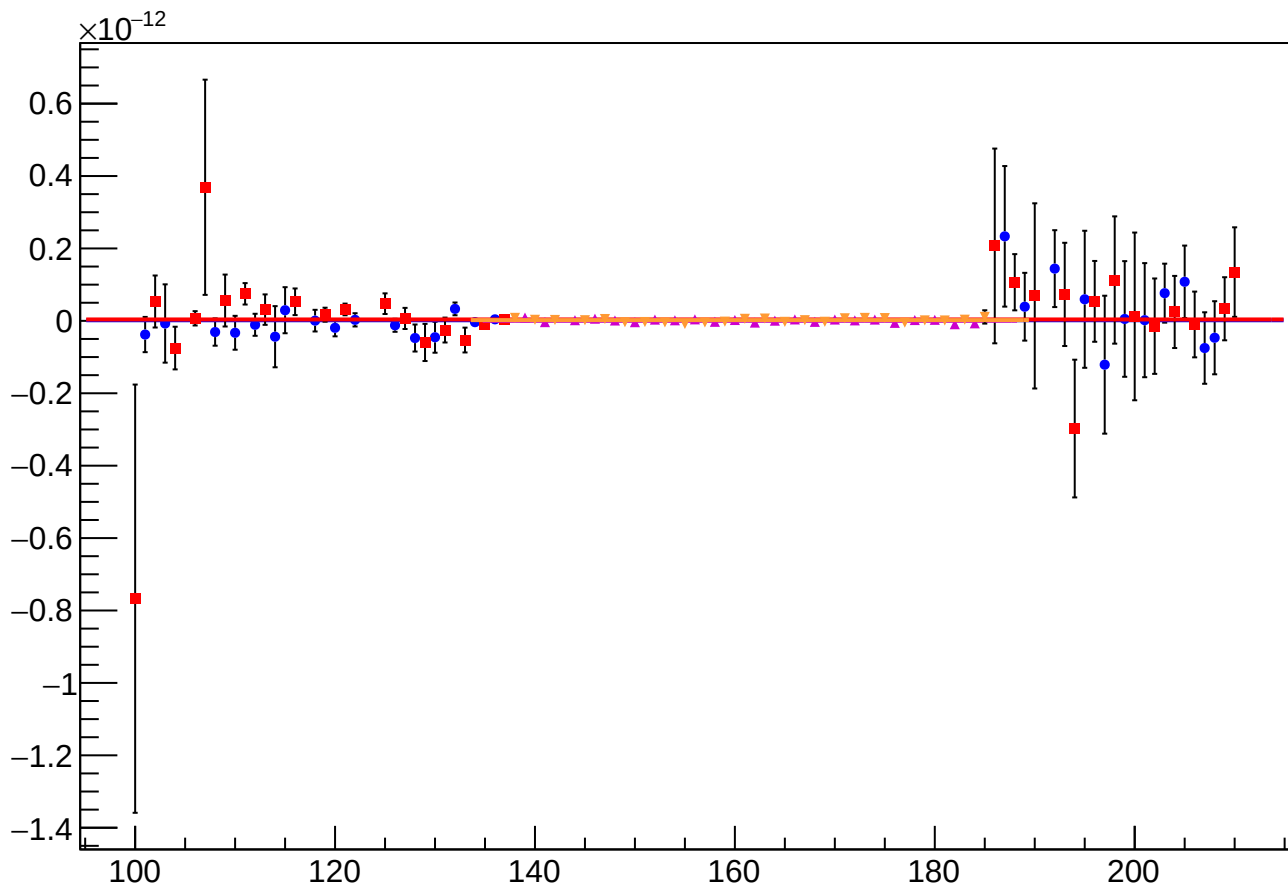
Left In: 41.082 $\pm$ 0.007 χ^2 /NDF: 926883.3/22

+ sign 43.994 $\pm$ 0.006 χ^2 /NDF: 5774165.8/50

All: 44.429 $\pm$ 0.004 χ^2 /NDF: 11024677.3/104

- sign 44.864 $\pm$ 0.006 χ^2 /NDF: 5240124.4/53

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.3/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.9/30

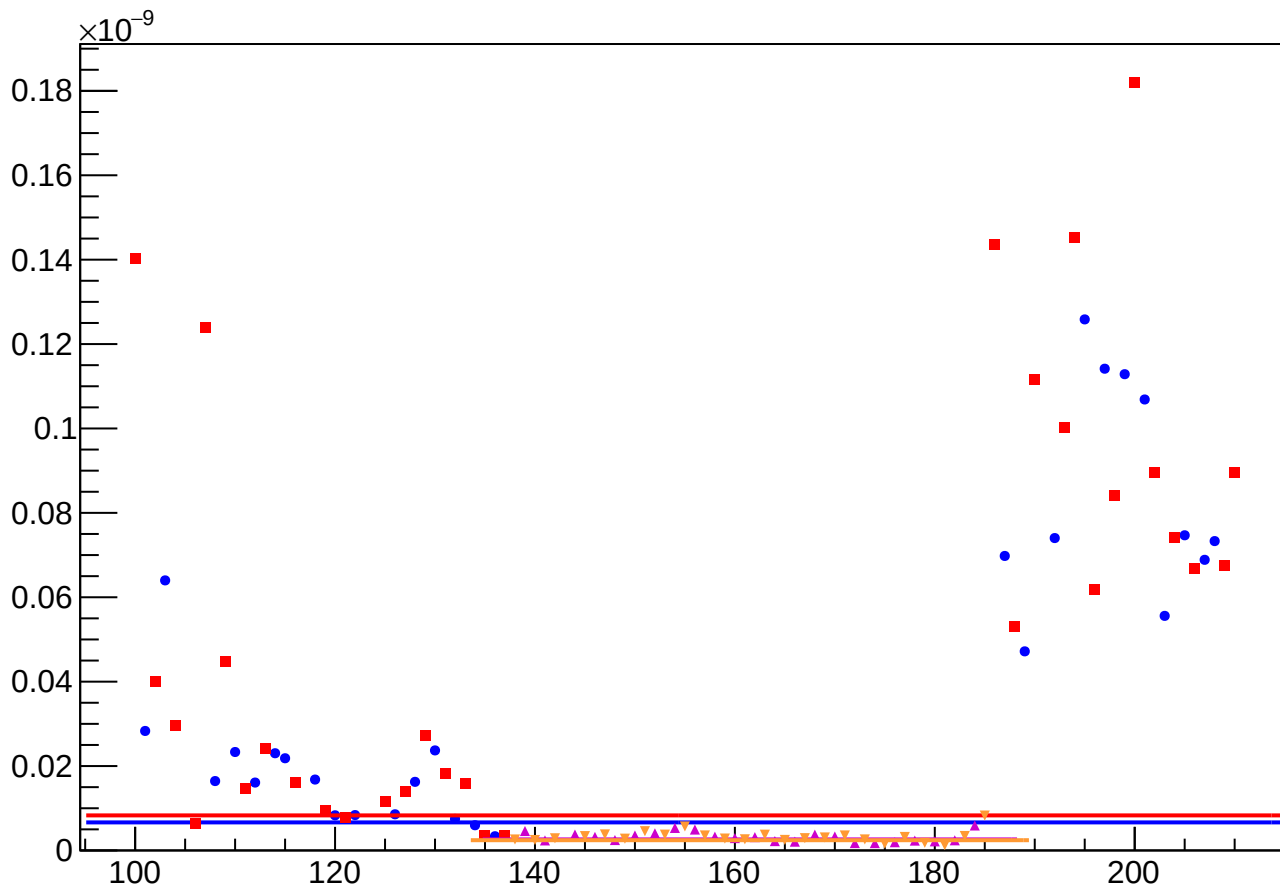
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.4/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 103.9/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.6/53

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 11216640.5/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2792453.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13541080.5/30

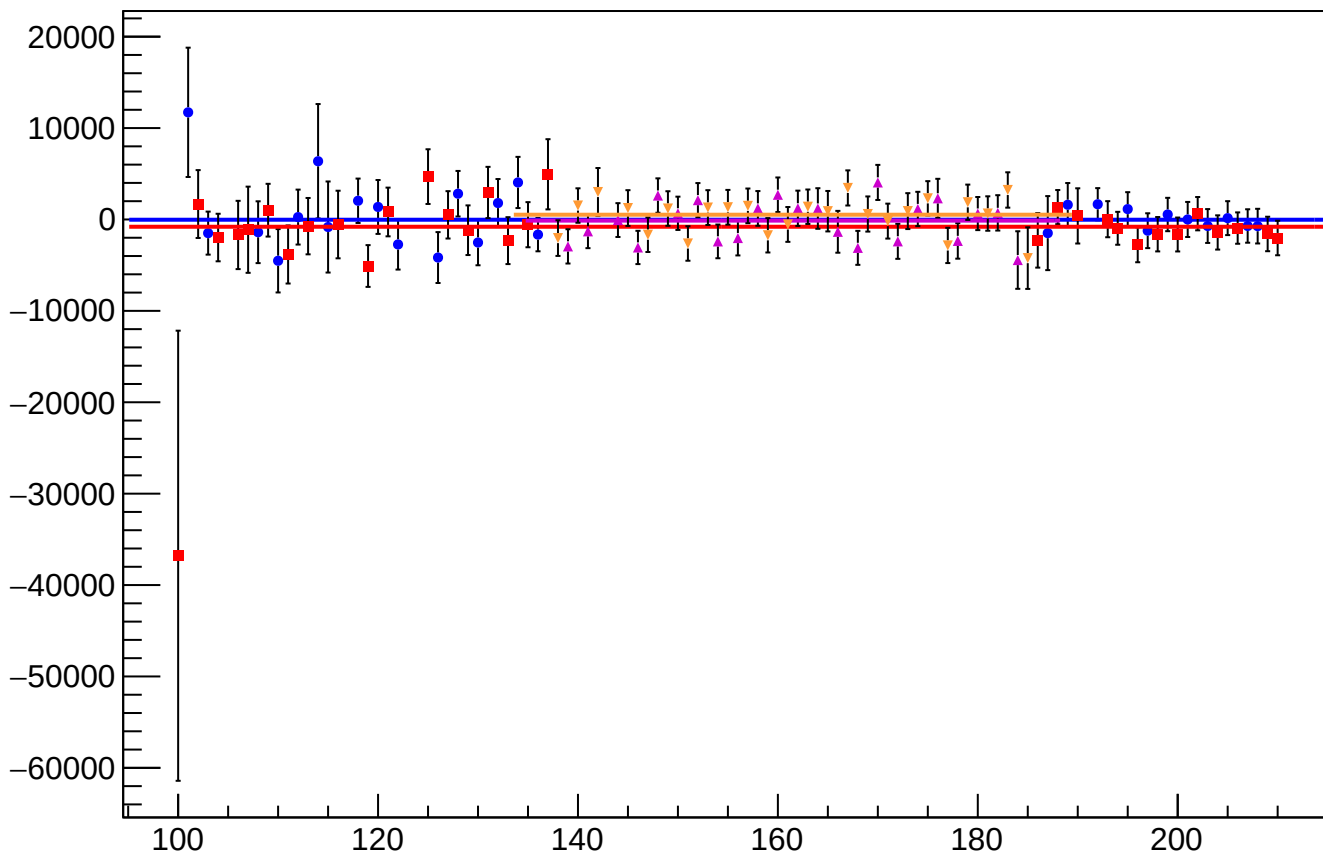
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1949059.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16255649.6/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 34646124.0/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18332374.5/53

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -28.960 ± 454.260 χ^2/NDF : 18.7/26

Left Out: 519.929 ± 401.705 χ^2/NDF : 20.8/23

Right Out: -796.881 ± 431.064 χ^2/NDF : 20.8/30

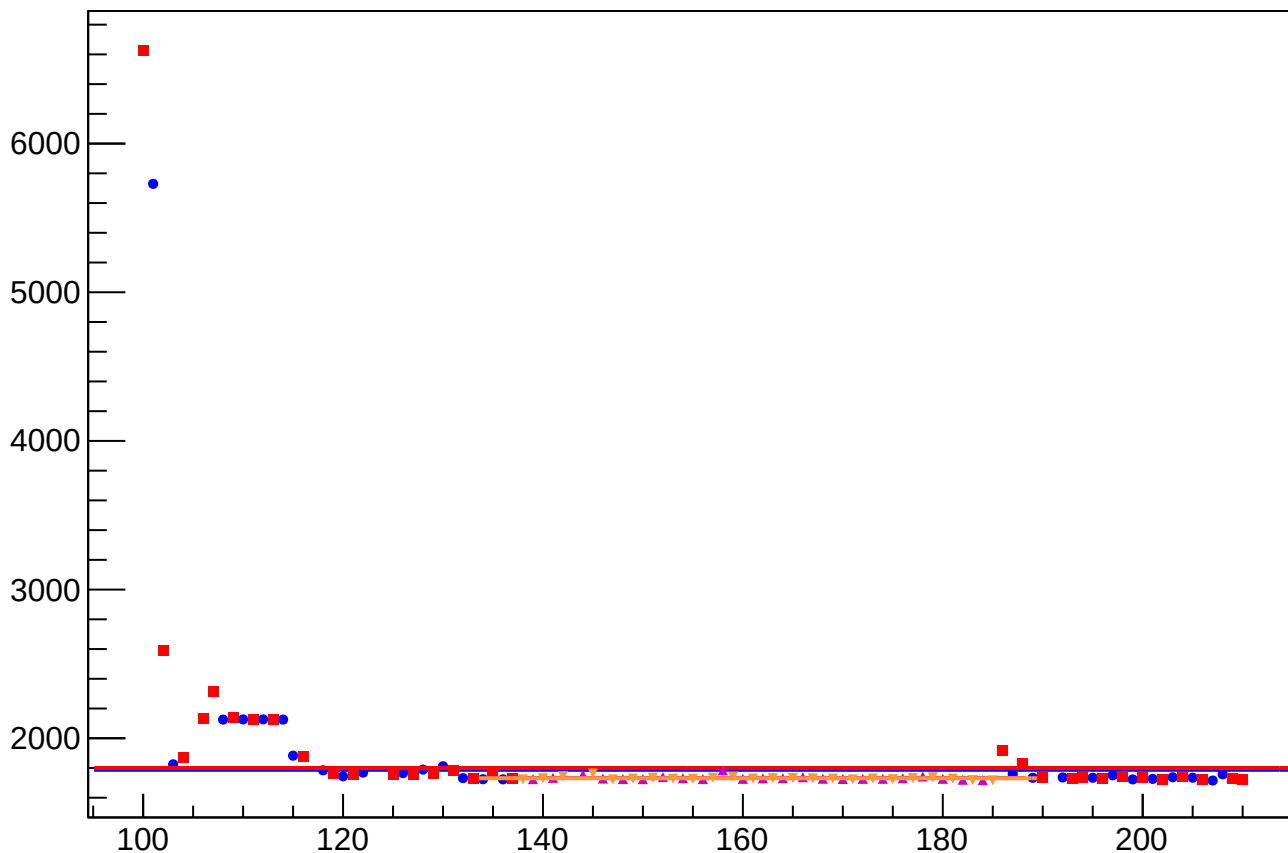
Left In: -126.031 ± 404.630 χ^2/NDF : 29.5/22

+ sign 279.059 ± 300.922 χ^2/NDF : 40.3/50

All: -87.723 ± 210.666 χ^2/NDF : 94.8/104

- sign -440.258 ± 295.019 χ^2/NDF : 51.5/53

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1787.930+/-0.321 χ^2/NDF : 714104.1/26

Left Out: 1730.847+/-0.284 χ^2/NDF : 969.7/23

Right Out: 1799.964+/-0.305 χ^2/NDF : 317803.5/30

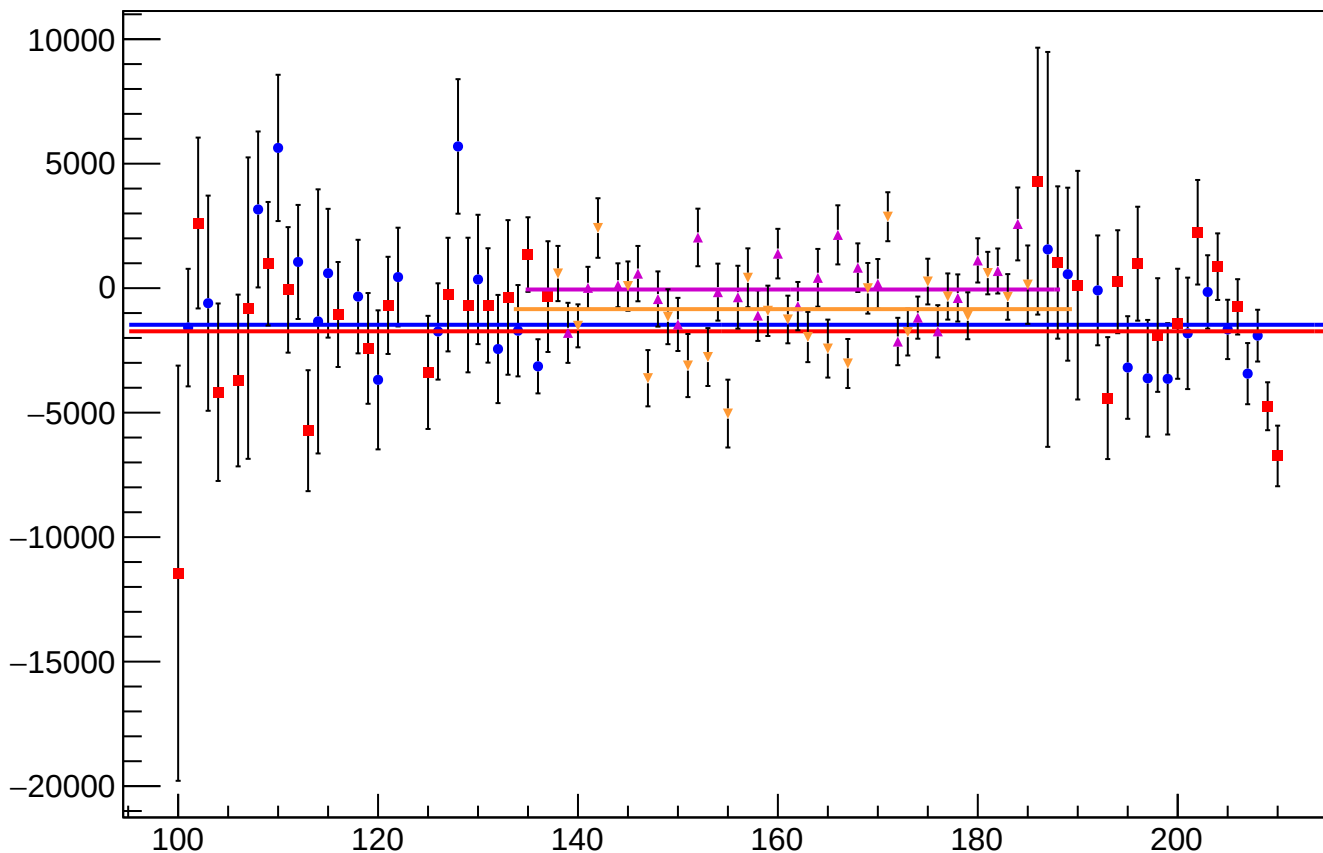
Left In: 1733.007+/-0.286 χ^2/NDF : 2237.4/22

+ sign 1755.897+/-0.213 χ^2/NDF : 732796.7/50

All: 1760.217+/-0.149 χ^2/NDF : 1079297.9/10

- sign 1764.370+/-0.209 χ^2/NDF : 345692.7/53

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug



Right In: -1470.600+/-373.179 χ^2/NDF : 28.8/26

Left Out: -842.437+/-210.852 χ^2/NDF : 62.7/23

Right Out: -1733.198+/-366.136 χ^2/NDF : 55.4/30

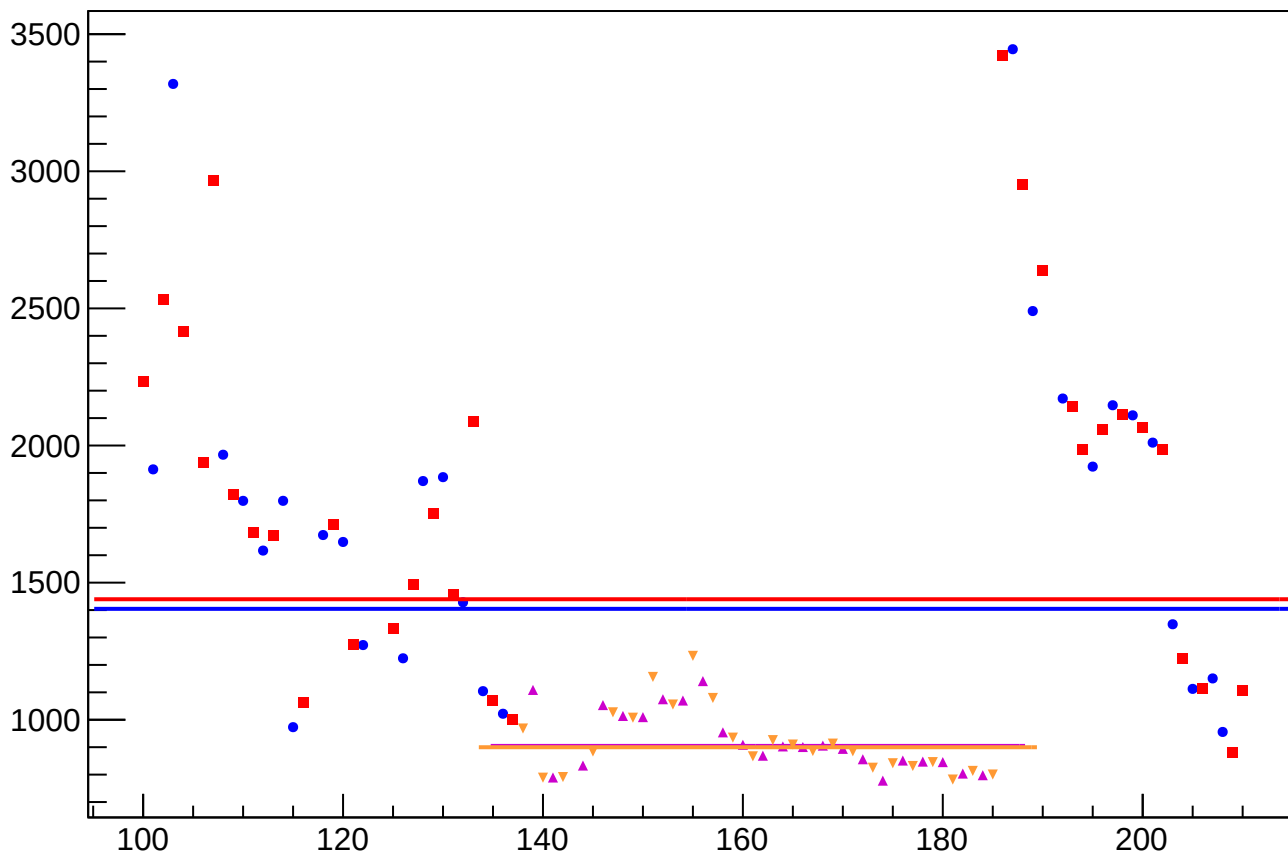
Left In: -53.905+/-212.966 χ^2/NDF : 30.6/22

+ sign -994.446+/-183.576 χ^2/NDF : 93.6/50

All: -737.157+/-129.989 χ^2/NDF : 199.3/104

- sign -478.426+/-184.090 χ^2/NDF : 101.7/53

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1404.450 ± 0.264 $\chi^2/\text{NDF}: 2991041.1/26$

Left Out: 899.811 ± 0.149 $\chi^2/\text{NDF}: 495328.4/23$

Right Out: 1439.473 ± 0.259 $\chi^2/\text{NDF}: 3915461.0/30$

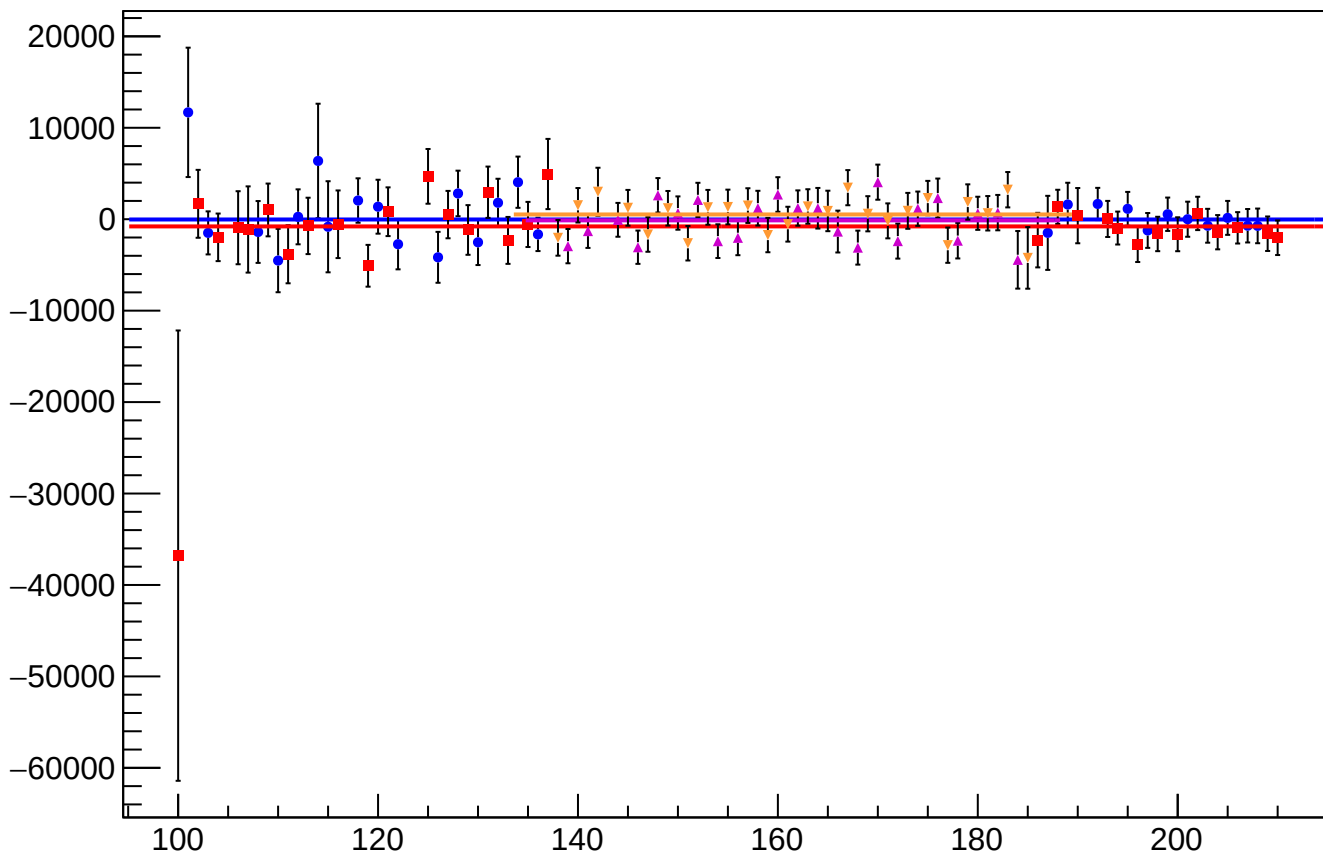
Left In: 904.656 ± 0.151 $\chi^2/\text{NDF}: 452251.7/22$

+ sign 1021.929 ± 0.130 $\chi^2/\text{NDF}: 6258608.4/50$

All: 1030.868 ± 0.092 $\chi^2/\text{NDF}: 13824377.8/1$

- sign 1039.857 ± 0.130 $\chi^2/\text{NDF}: 7556258.8/53$

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -29.294 ± 454.260 χ^2/NDF : 18.7/26

Left Out: 519.957 ± 401.705 χ^2/NDF : 20.8/23

Right Out: -786.620 ± 431.424 χ^2/NDF : 20.7/30

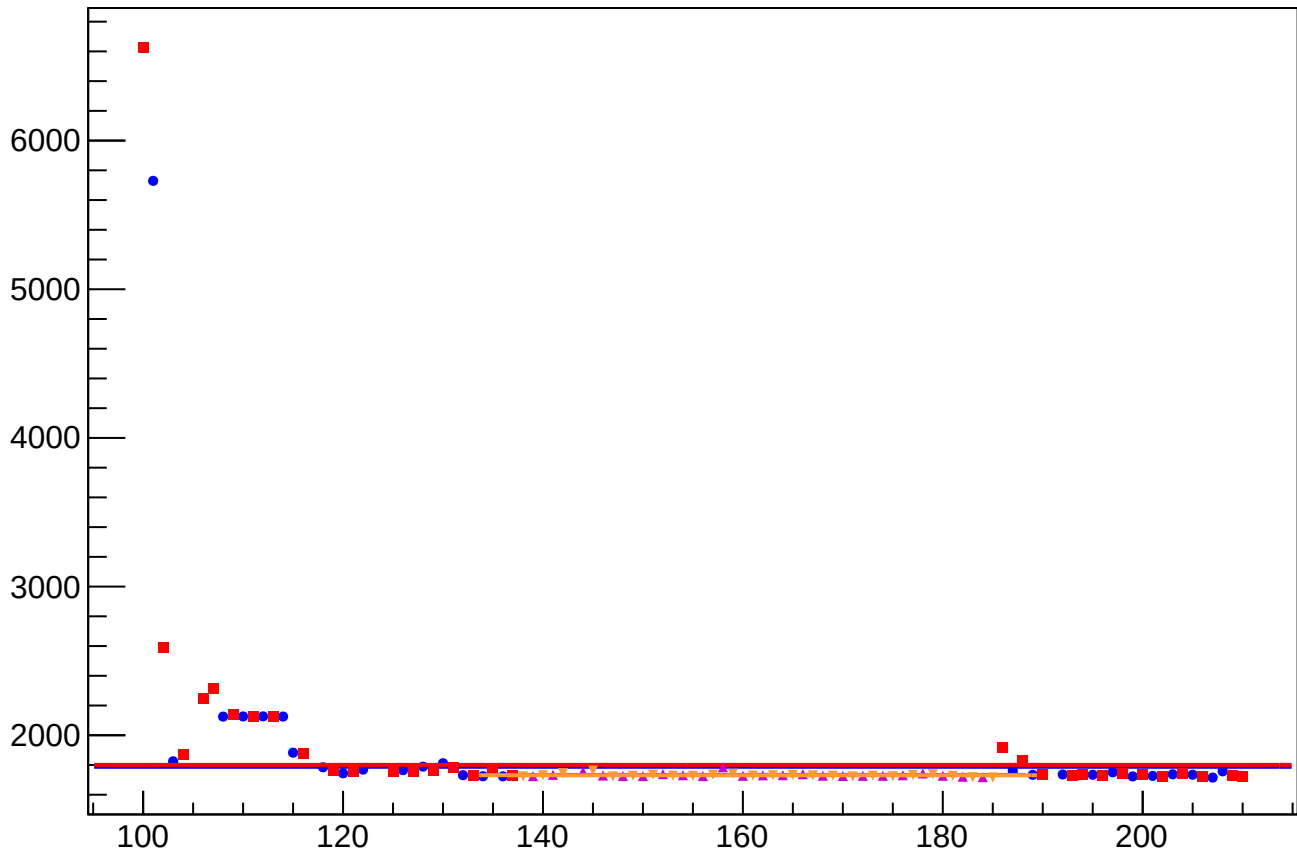
Left In: -126.091 ± 404.630 χ^2/NDF : 29.5/22

+ sign 278.928 ± 300.922 χ^2/NDF : 40.3/50

All: -85.074 ± 210.708 χ^2/NDF : 94.6/104

- sign -435.209 ± 295.135 χ^2/NDF : 51.4/53

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1787.930+/-0.321 χ^2/NDF : 714104.0/26

Left Out: 1730.847+/-0.284 χ^2/NDF : 969.7/23

Right Out: 1800.769+/-0.305 χ^2/NDF : 327246.2/30

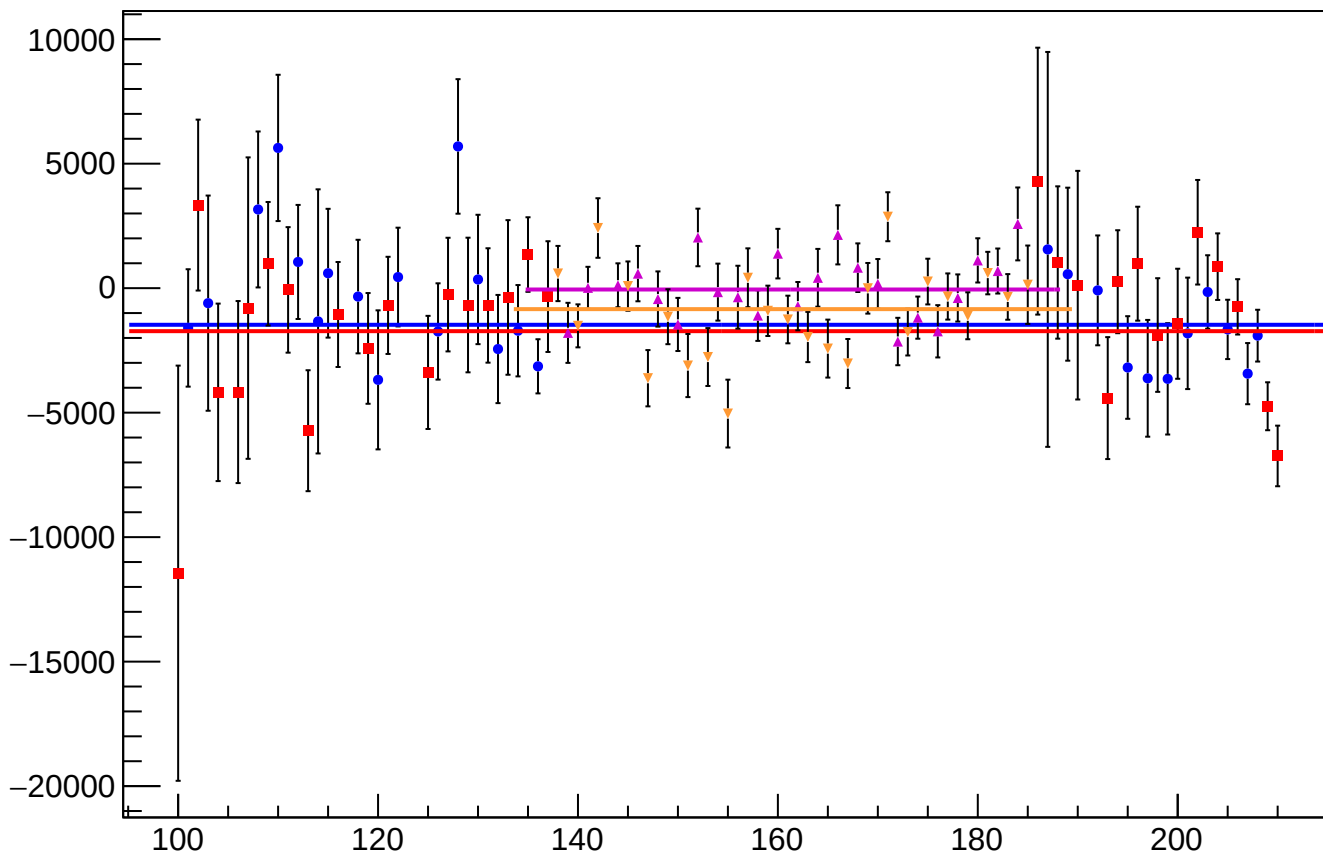
Left In: 1733.007+/-0.286 χ^2/NDF : 2237.4/22

+ sign 1755.897+/-0.213 χ^2/NDF : 732796.6/50

All: 1760.394+/-0.149 χ^2/NDF : 1089405.8/10

- sign 1764.719+/-0.209 χ^2/NDF : 355733.1/53

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug



Right In: -1470.942 ± 373.166 $\chi^2/\text{NDF}: 28.8/26$

Left Out: -842.473 ± 210.853 $\chi^2/\text{NDF}: 62.7/23$

Right Out: -1727.296 ± 366.362 $\chi^2/\text{NDF}: 56.1/30$

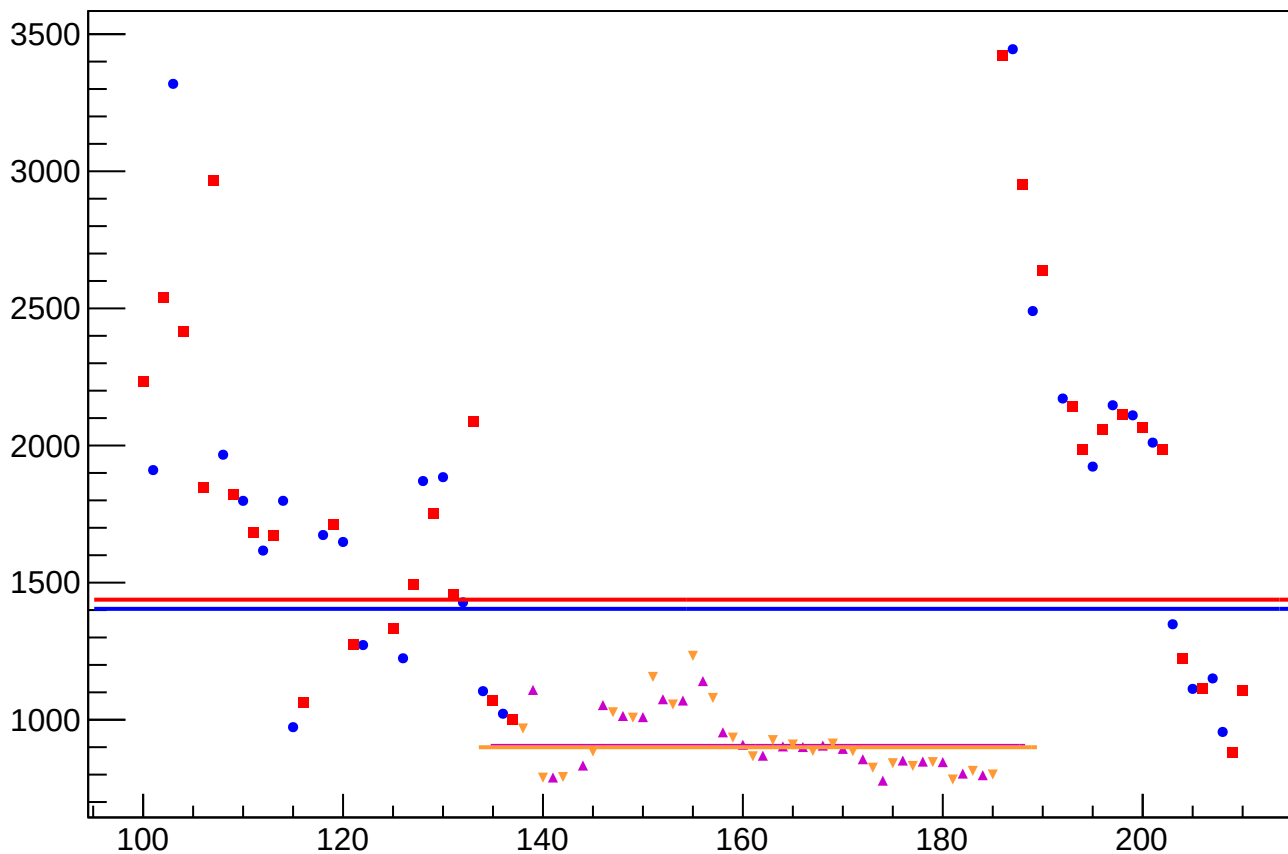
Left In: -53.927 ± 212.965 $\chi^2/\text{NDF}: 30.6/22$

+ sign -994.564 ± 183.575 $\chi^2/\text{NDF}: 93.6/50$

All: -736.328 ± 129.999 $\chi^2/\text{NDF}: 199.9/104$

- sign -476.560 ± 184.118 $\chi^2/\text{NDF}: 102.3/53$

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1404.415 ± 0.264 $\chi^2/\text{NDF}: 2990415.6/26$

Left Out: 899.814 ± 0.149 $\chi^2/\text{NDF}: 495276.2/23$

Right Out: 1437.959 ± 0.259 $\chi^2/\text{NDF}: 3900232.6/30$

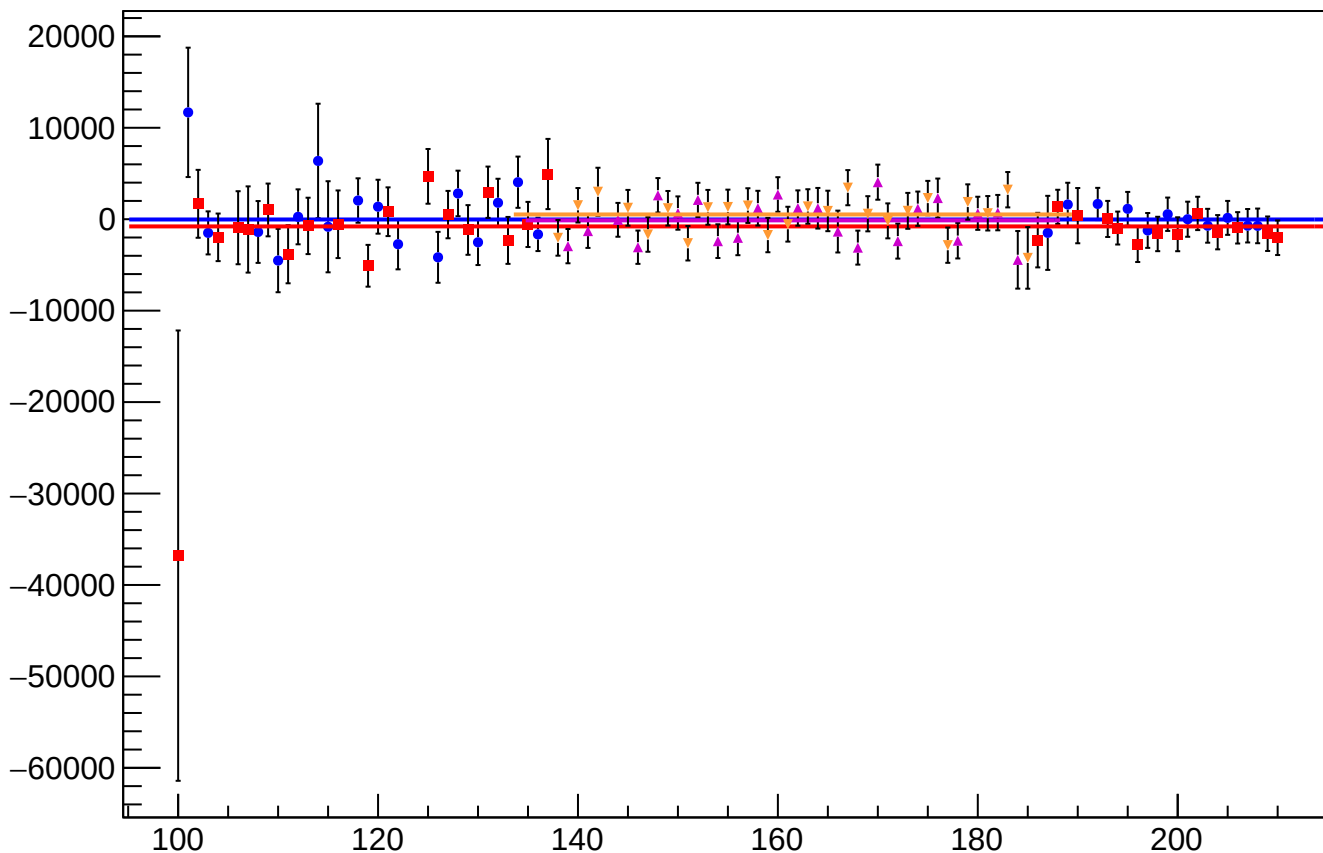
Left In: 904.653 ± 0.151 $\chi^2/\text{NDF}: 452259.2/22$

+ sign 1021.929 ± 0.130 $\chi^2/\text{NDF}: 6257659.9/50$

All: 1030.612 ± 0.092 $\chi^2/\text{NDF}: 13786774.8/100$

- sign 1039.347 ± 0.130 $\chi^2/\text{NDF}: 7520139.4/53$

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -29.294 $\pm$ 454.260 χ^2/NDF : 18.7/26

Left Out: 519.957 $\pm$ 401.705 χ^2/NDF : 20.8/23

Right Out: -786.620 $\pm$ 431.424 χ^2/NDF : 20.7/30

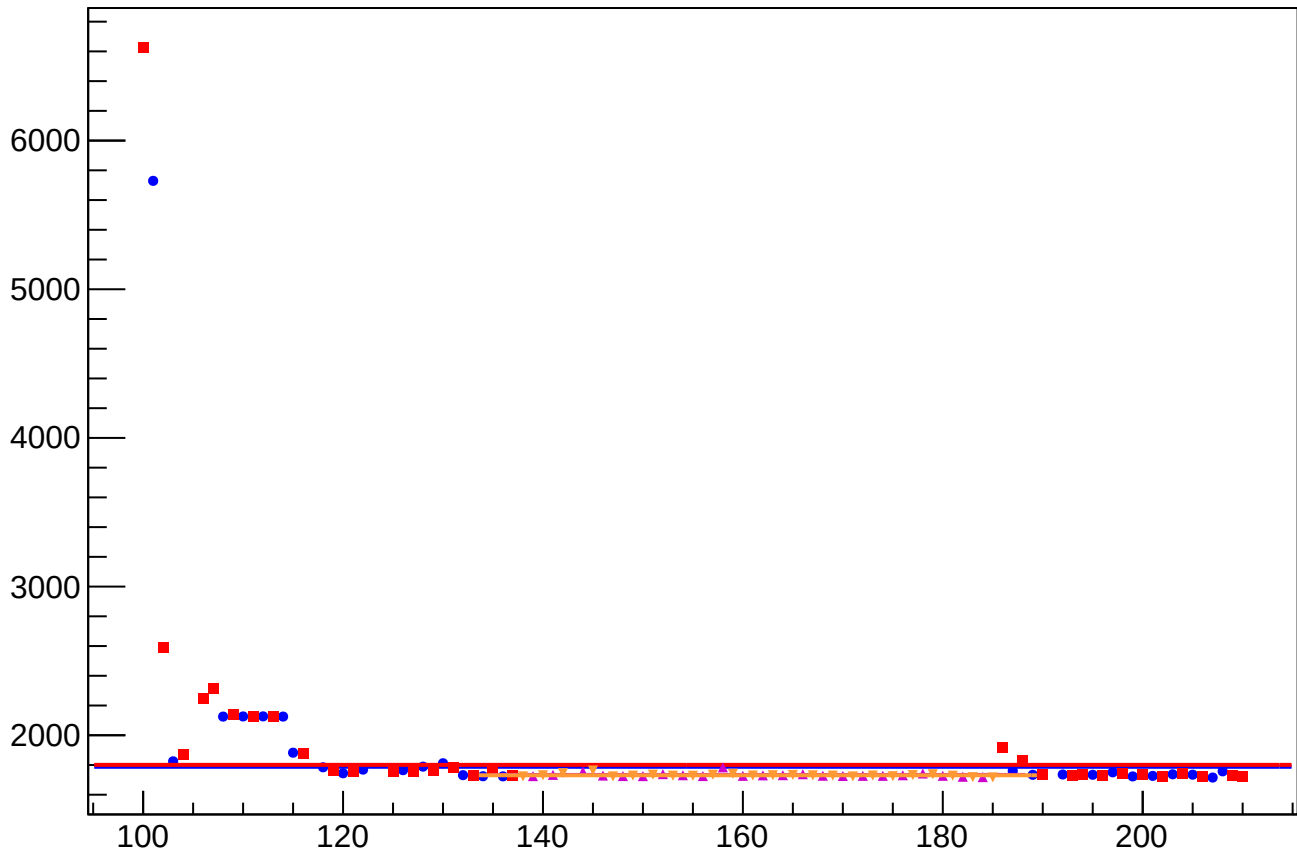
Left In: -126.091 $\pm$ 404.630 χ^2/NDF : 29.5/22

+ sign 278.928 $\pm$ 300.922 χ^2/NDF : 40.3/50

All: -85.074 $\pm$ 210.708 χ^2/NDF : 94.6/104

- sign -435.209 $\pm$ 295.135 χ^2/NDF : 51.4/53

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1787.930+/-0.321 χ^2/NDF : 714104.0/26

Left Out: 1730.847+/-0.284 χ^2/NDF : 969.7/23

Right Out: 1800.769+/-0.305 χ^2/NDF : 327246.2/30

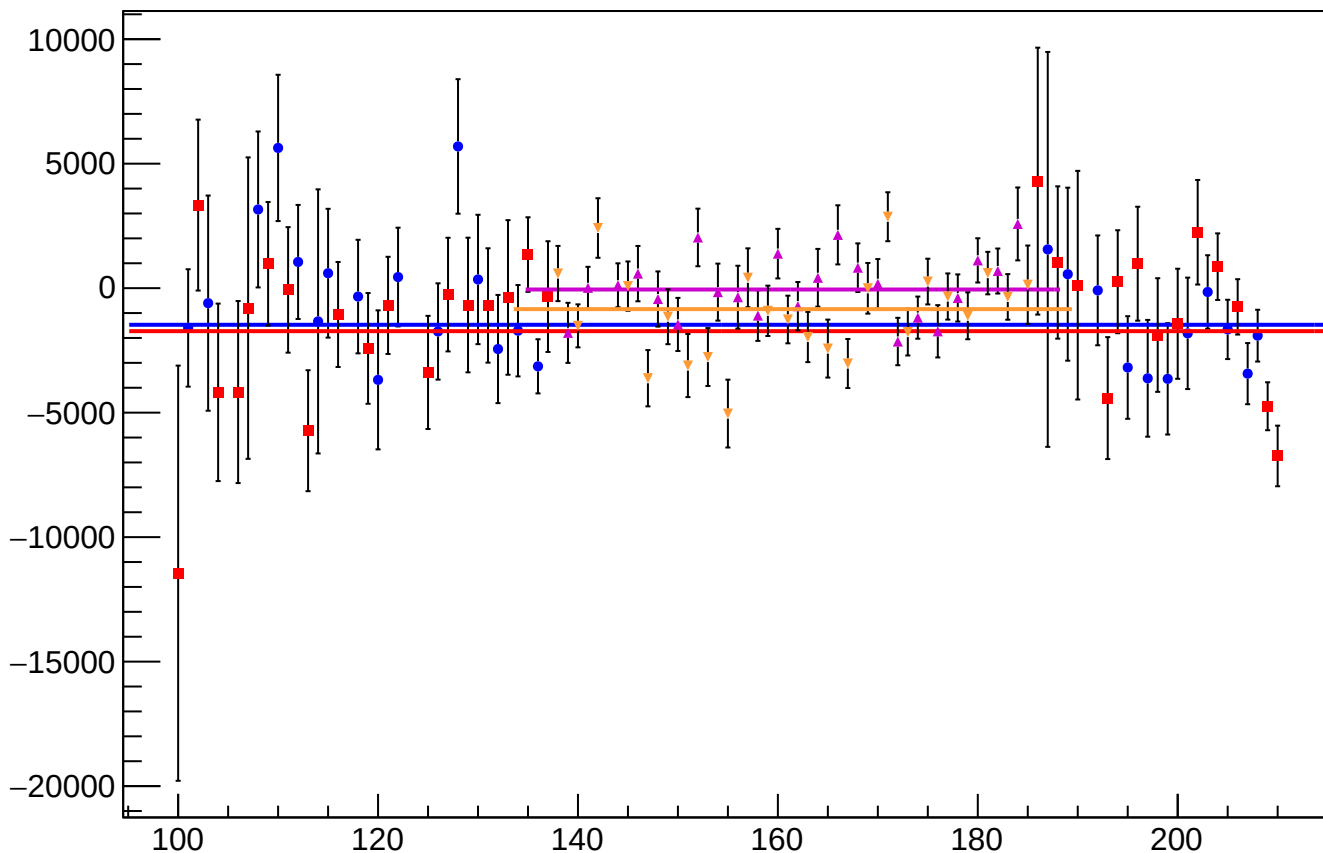
Left In: 1733.007+/-0.286 χ^2/NDF : 2237.4/22

+ sign 1755.897+/-0.213 χ^2/NDF : 732796.6/50

All: 1760.394+/-0.149 χ^2/NDF : 1089405.8/10

- sign 1764.719+/-0.209 χ^2/NDF : 355733.1/53

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: -1470.942 ± 373.166 χ^2/NDF : 28.8/26

Left Out: -842.473 ± 210.853 χ^2/NDF : 62.7/23

Right Out: -1727.296 ± 366.362 χ^2/NDF : 56.1/30

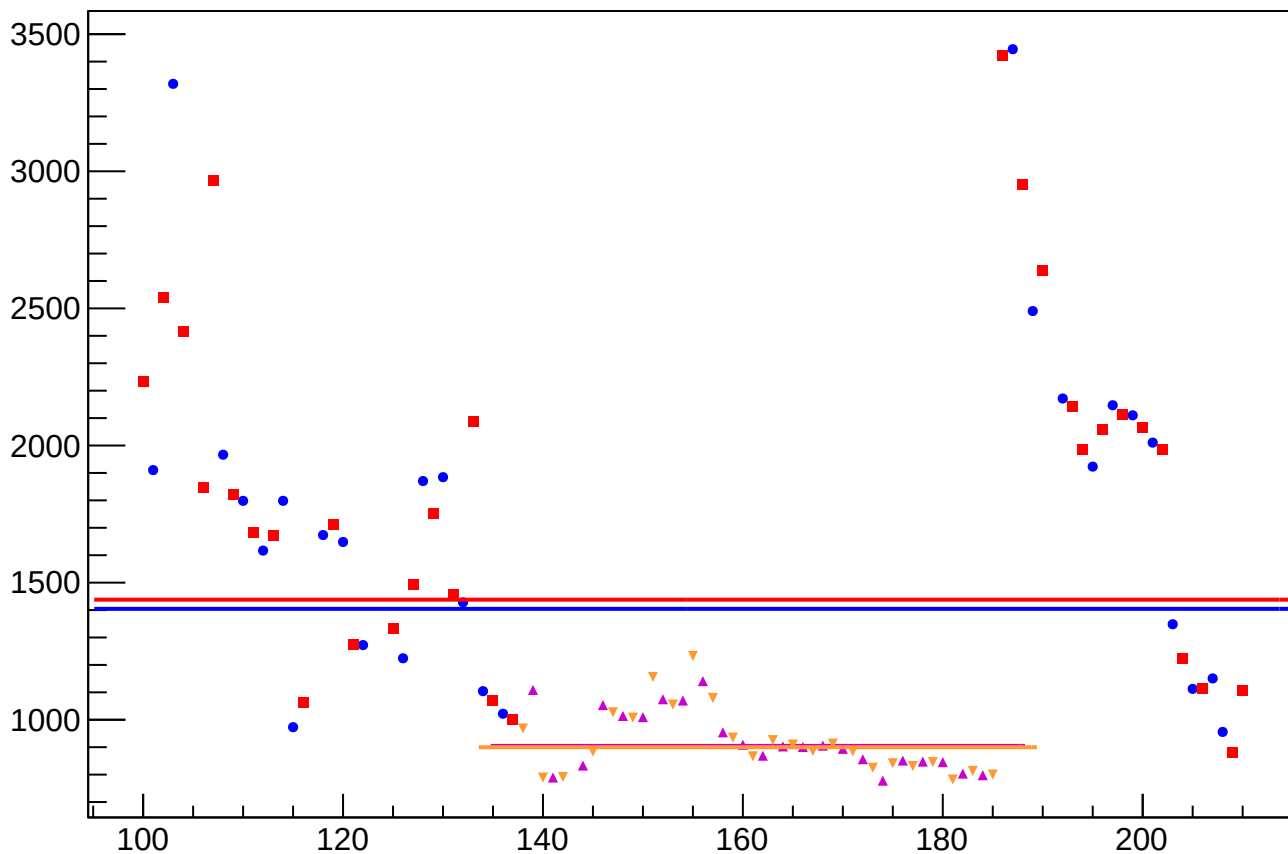
Left In: -53.927 ± 212.965 χ^2/NDF : 30.6/22

+ sign -994.564 ± 183.575 χ^2/NDF : 93.6/50

All: -736.328 ± 129.999 χ^2/NDF : 199.9/104

- sign -476.560 ± 184.118 χ^2/NDF : 102.3/53

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 1404.415 $\pm$ 0.264 χ^2/NDF : 2990415.6/26

Left Out: 899.814 $\pm$ 0.149 χ^2/NDF : 495276.2/23

Right Out: 1437.959 $\pm$ 0.259 χ^2/NDF : 3900232.6/30

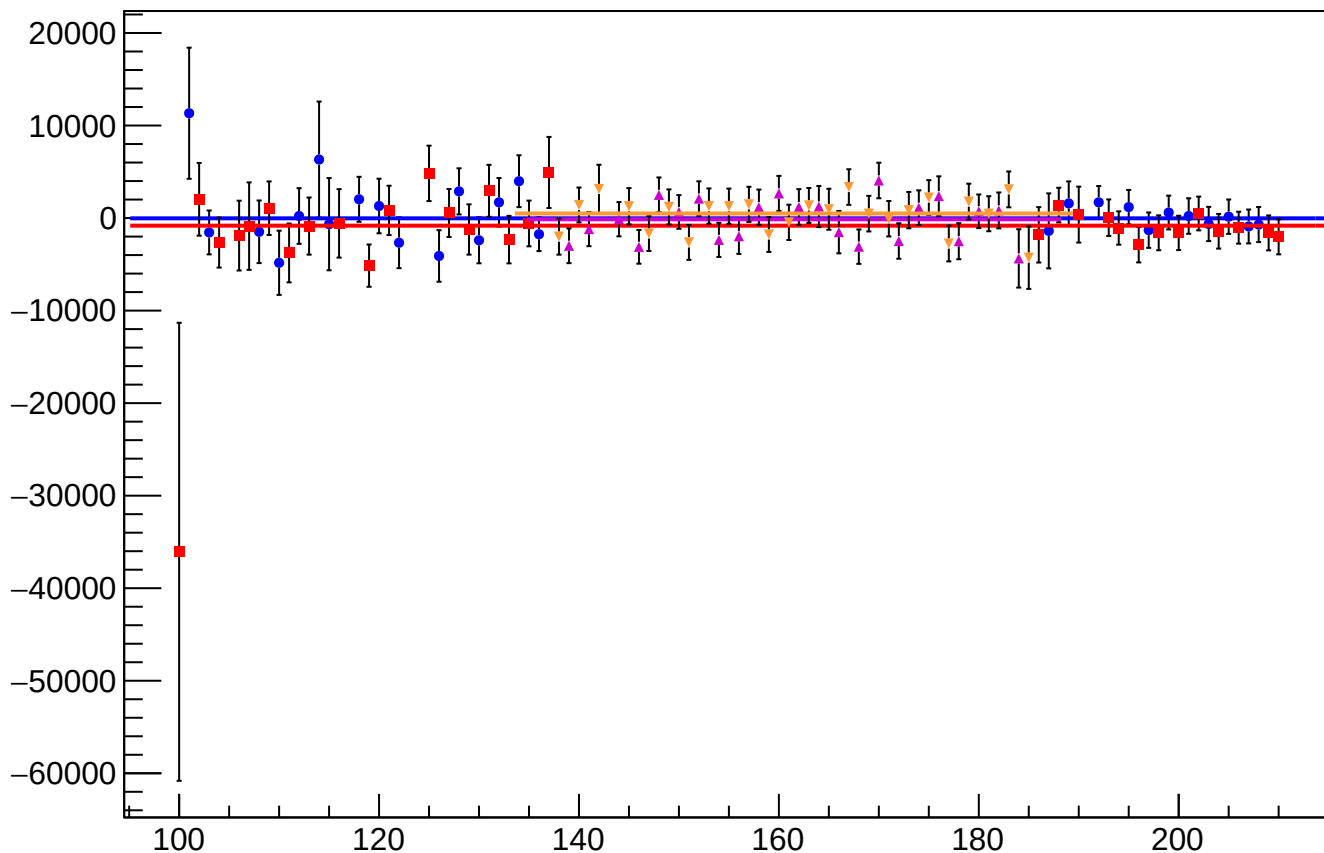
Left In: 904.653 $\pm$ 0.151 χ^2/NDF : 452259.2/22

+ sign 1021.929 $\pm$ 0.130 χ^2/NDF : 6257659.9/50

All: 1030.612 $\pm$ 0.092 χ^2/NDF : 13786774.8/100

- sign 1039.347 $\pm$ 0.130 χ^2/NDF : 7520139.4/53

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -29.130 ± 454.754 χ^2/NDF : 18.8/26

Left Out: 494.897 ± 402.069 χ^2/NDF : 20.1/23

Right Out: -821.791 ± 432.327 χ^2/NDF : 21.2/30

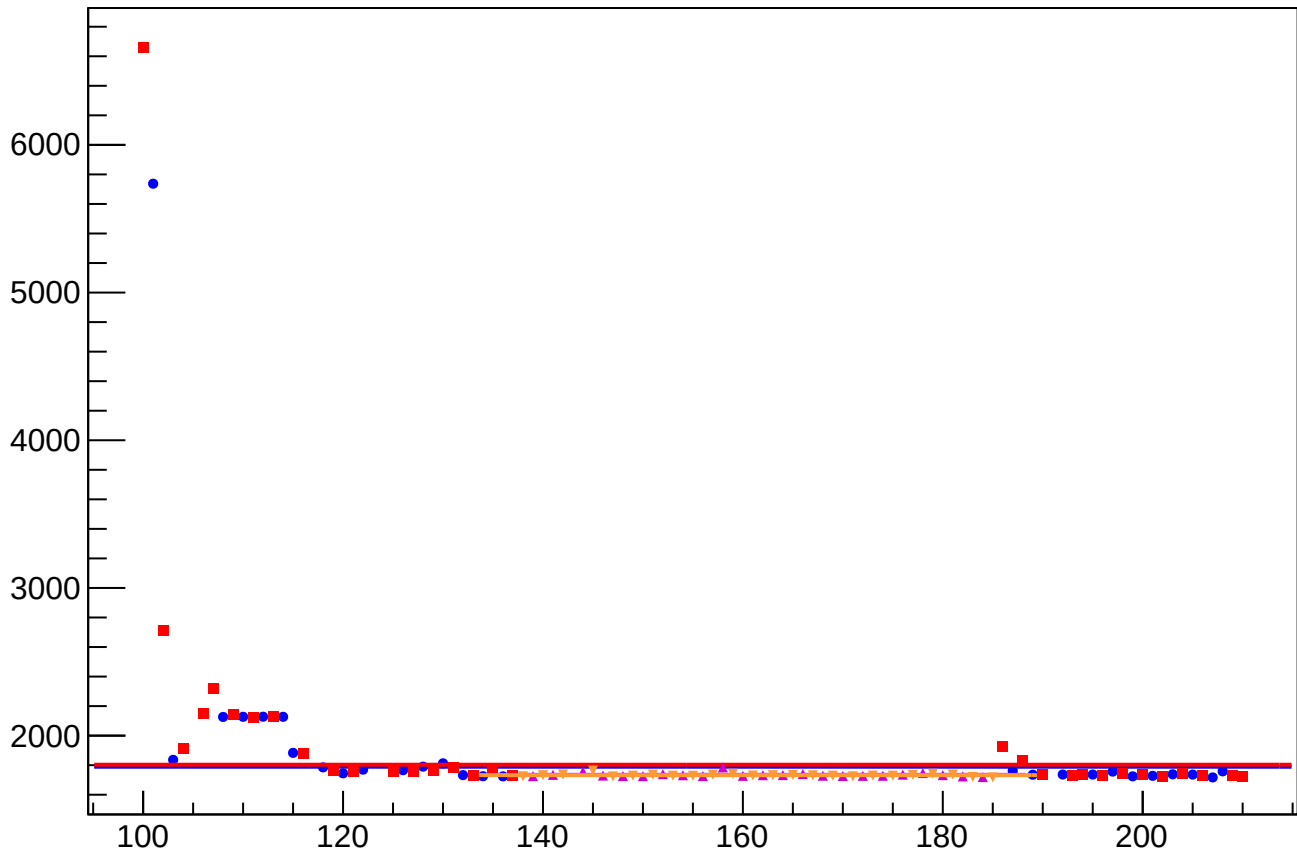
Left In: -137.162 ± 404.995 χ^2/NDF : 29.6/22

+ sign 264.984 ± 301.219 χ^2/NDF : 39.6/50

All: -102.925 ± 210.966 χ^2/NDF : 94.6/104

- sign -457.153 ± 295.565 χ^2/NDF : 52.1/53

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1789.742 $\pm$ 0.322 χ^2 /NDF: 714455.5/26

Left Out: 1732.389 $\pm$ 0.284 χ^2 /NDF: 910.8/23

Right Out: 1803.088 $\pm$ 0.306 χ^2 /NDF: 337938.0/30

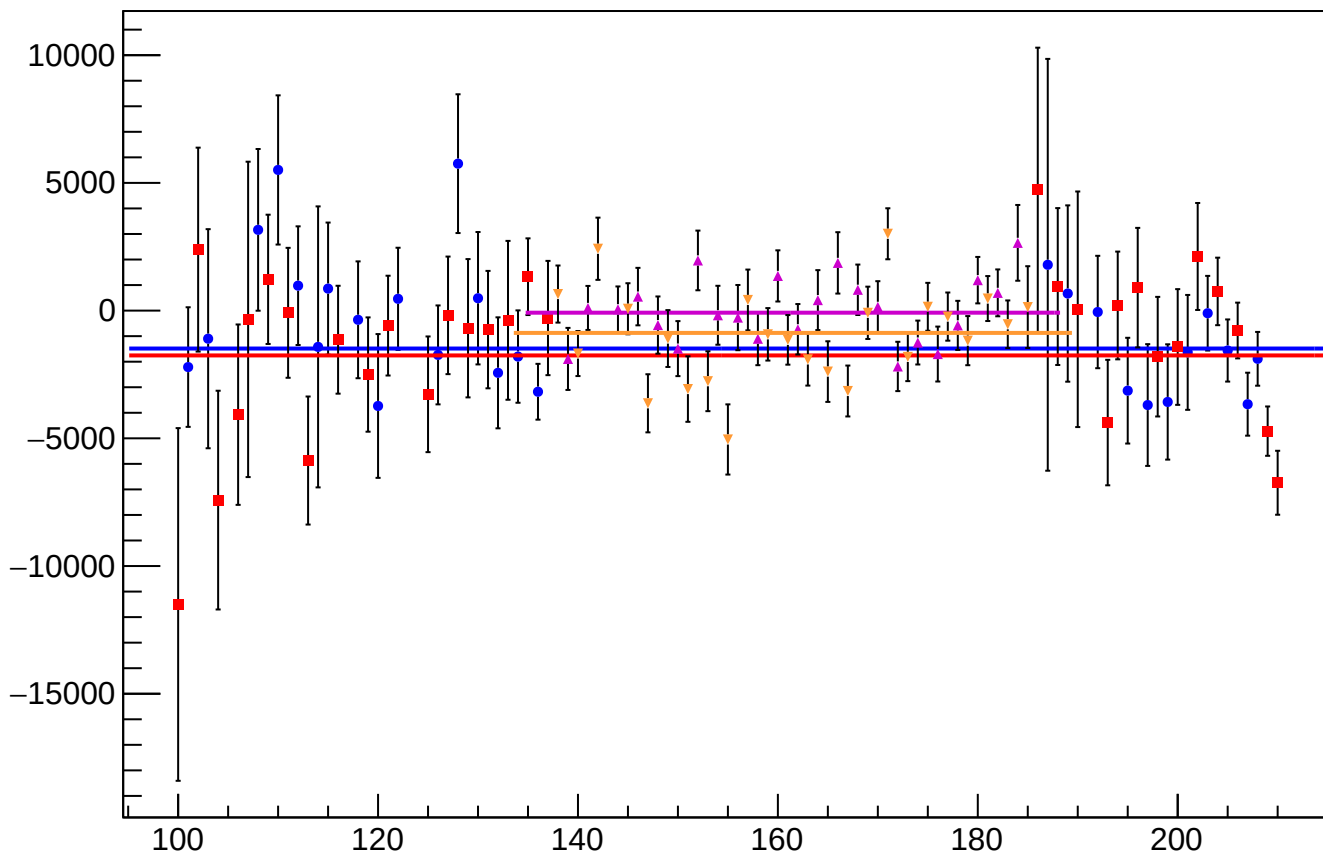
Left In: 1734.568 $\pm$ 0.286 χ^2 /NDF: 2215.7/22

+ sign 1757.552 $\pm$ 0.213 χ^2 /NDF: 733221.0/50

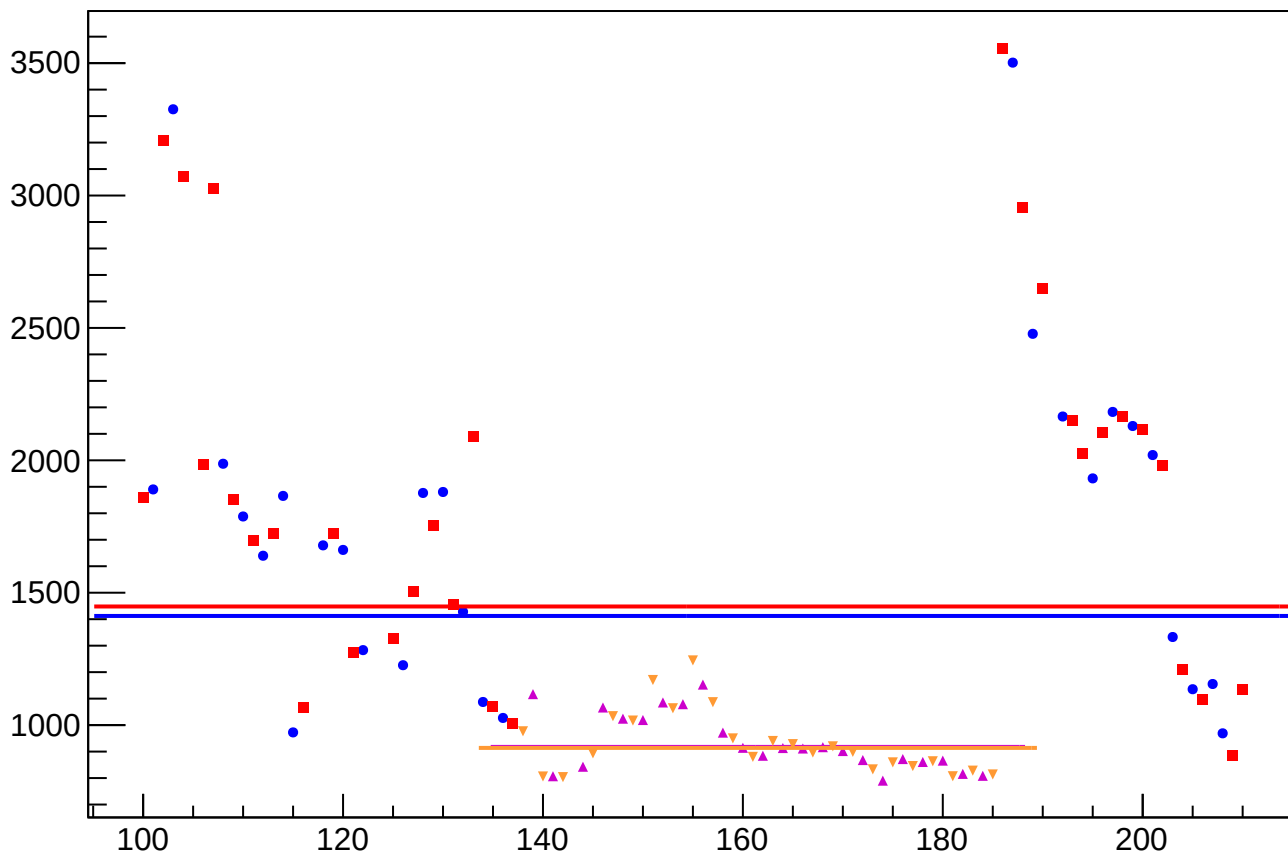
All: 1762.159 $\pm$ 0.149 χ^2 /NDF: 1101050.2/10

- sign 1766.594 $\pm$ 0.209 χ^2 /NDF: 366911.1/53

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug



asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1412.245 $\pm$ 0.265 χ^2 /NDF: 2971073.1/26

Left Out: 913.899 $\pm$ 0.151 χ^2 /NDF: 462850.2/23

Right Out: 1447.977 $\pm$ 0.261 χ^2 /NDF: 4335504.8/30

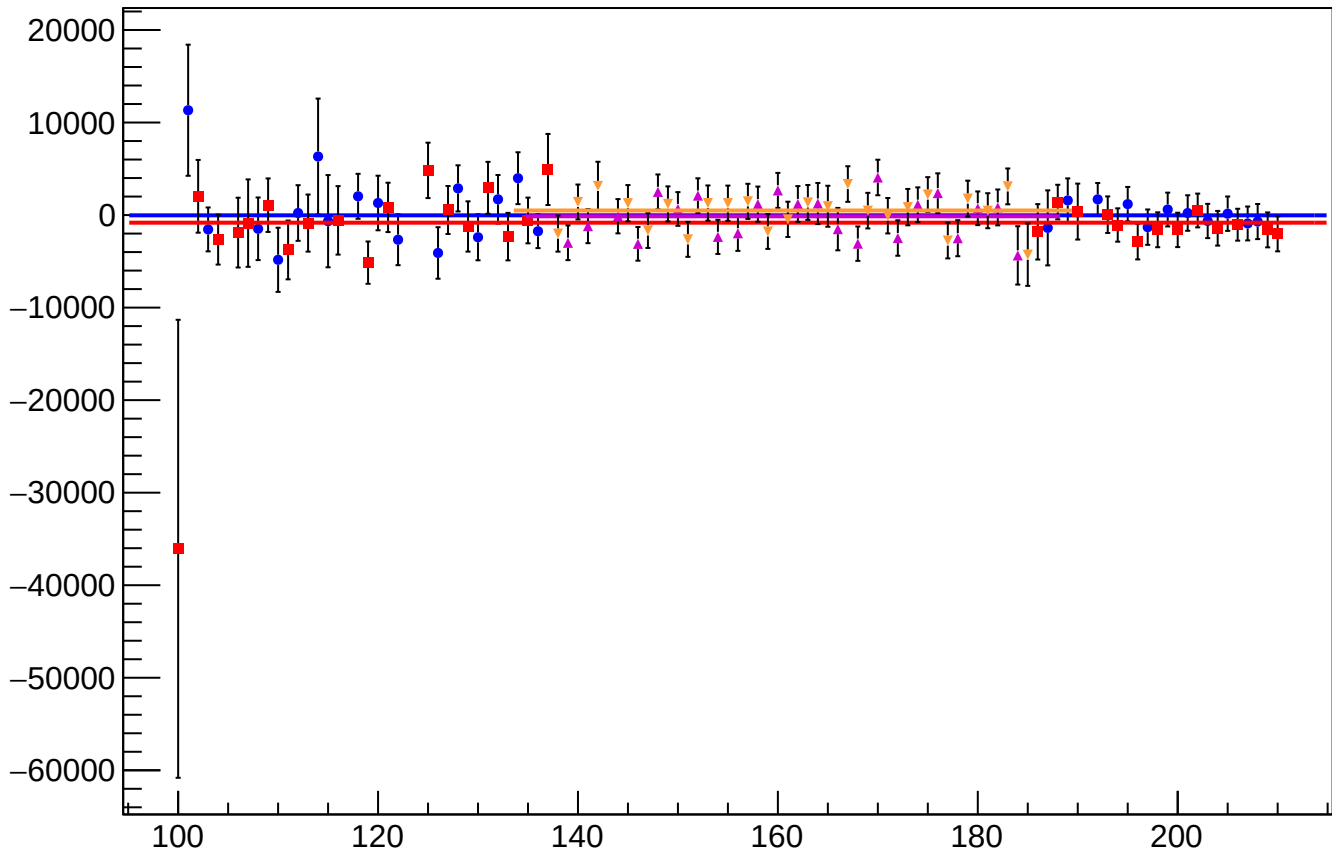
Left In: 917.674 $\pm$ 0.153 χ^2 /NDF: 430498.5/22

+ sign 1036.310 $\pm$ 0.131 χ^2 /NDF: 6097868.9/50

All: 1044.592 $\pm$ 0.093 χ^2 /NDF: 13948700.0/1

- sign 1052.917 $\pm$ 0.132 χ^2 /NDF: 7842870.0/53

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -29.129 ± 454.754 χ^2/NDF : 18.8/26

Left Out: 494.897 ± 402.069 χ^2/NDF : 20.1/23

Right Out: -821.790 ± 432.327 χ^2/NDF : 21.2/30

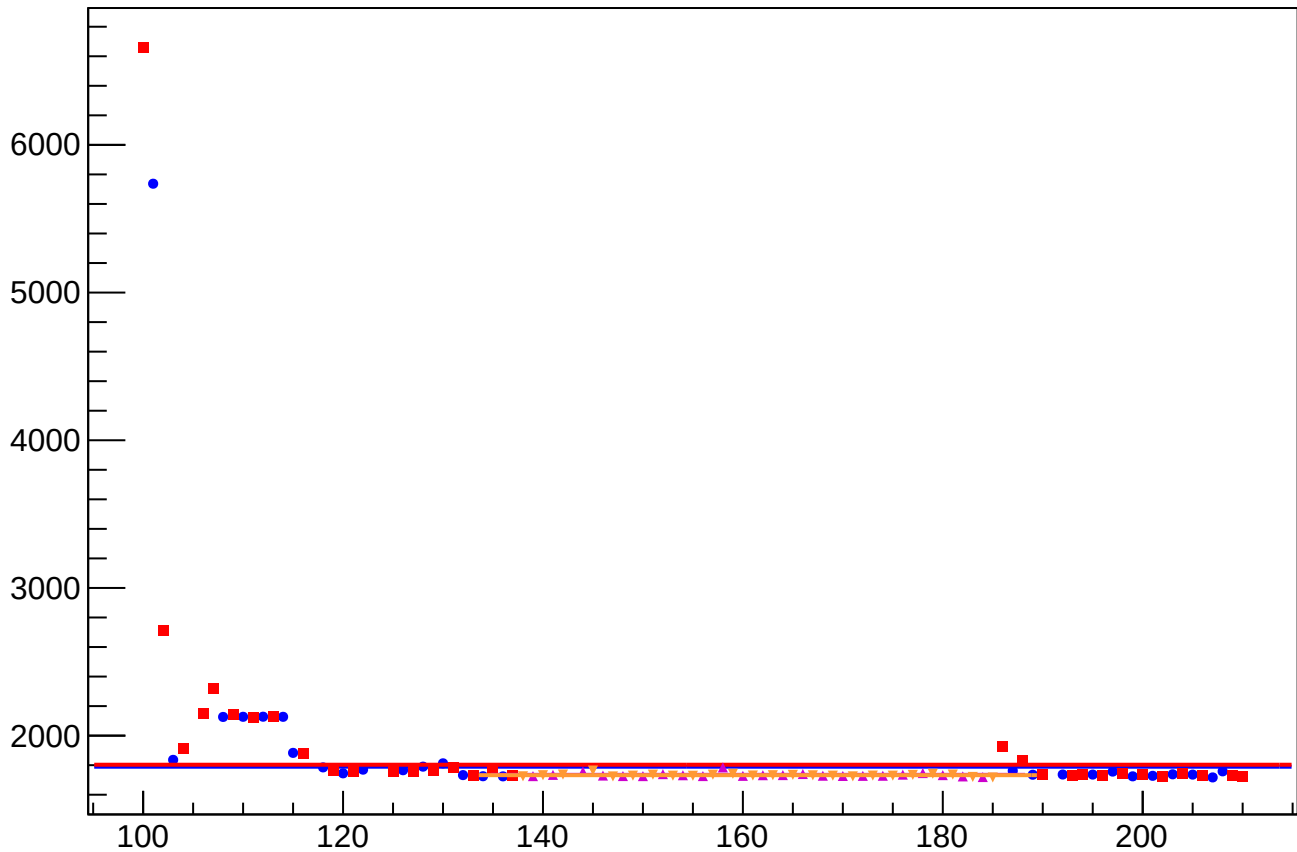
Left In: -137.163 ± 404.995 χ^2/NDF : 29.6/22

+ sign 264.984 ± 301.219 χ^2/NDF : 39.6/50

All: -102.925 ± 210.966 χ^2/NDF : 94.6/104

- sign -457.152 ± 295.565 χ^2/NDF : 52.1/53

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1789.742 $\pm$ 0.322 χ^2 /NDF: 714455.4/26

Left Out: 1732.389 $\pm$ 0.284 χ^2 /NDF: 910.8/23

Right Out: 1803.088 $\pm$ 0.306 χ^2 /NDF: 337937.7/30

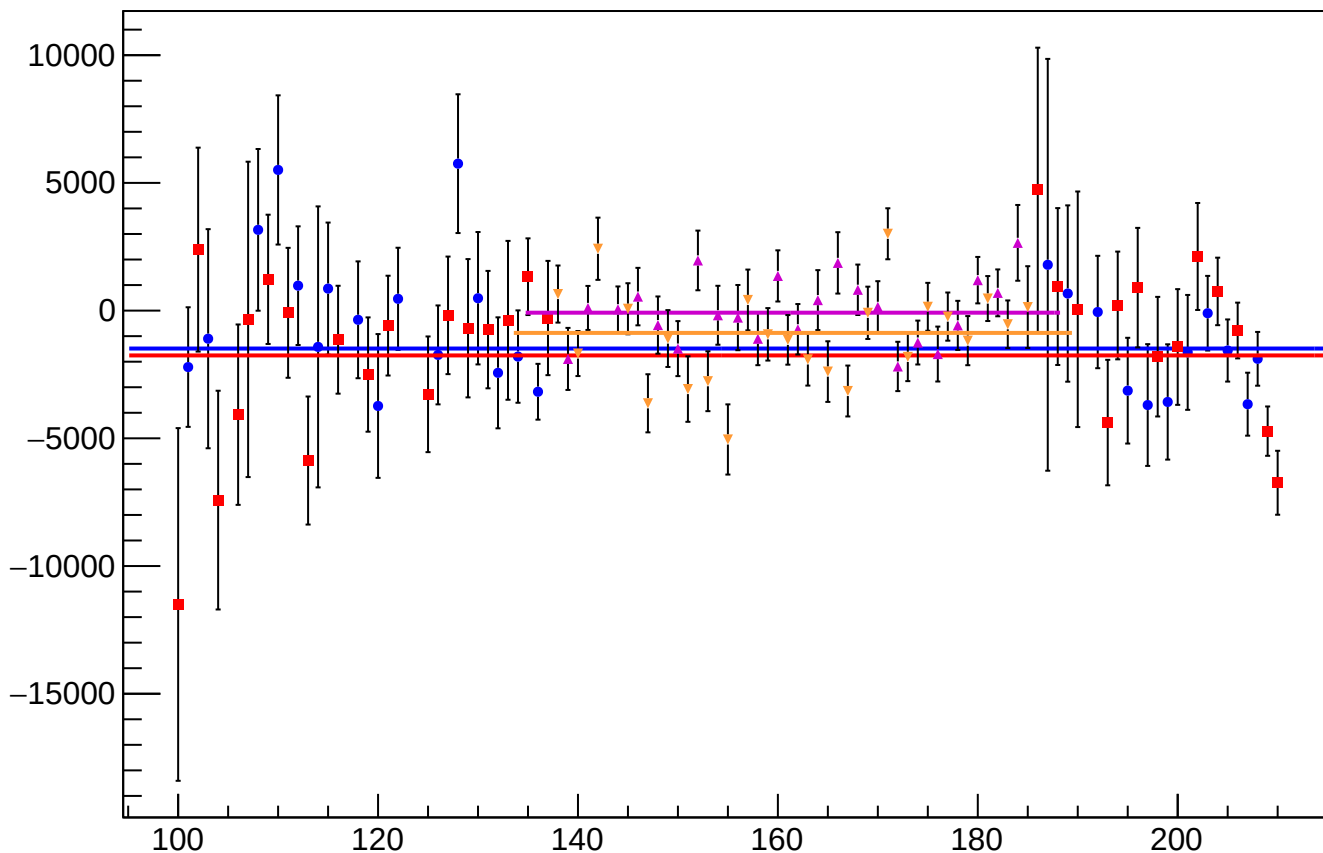
Left In: 1734.568 $\pm$ 0.286 χ^2 /NDF: 2215.7/22

+ sign 1757.552 $\pm$ 0.213 χ^2 /NDF: 733221.0/50

All: 1762.159 $\pm$ 0.149 χ^2 /NDF: 1101049.9/10

- sign 1766.594 $\pm$ 0.209 χ^2 /NDF: 366910.8/53

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: -1484.681 ± 375.036 χ^2/NDF : 29.6/26

Left Out: -872.826 ± 214.008 χ^2/NDF : 62.0/23

Right Out: -1754.688 ± 369.023 χ^2/NDF : 55.2/30

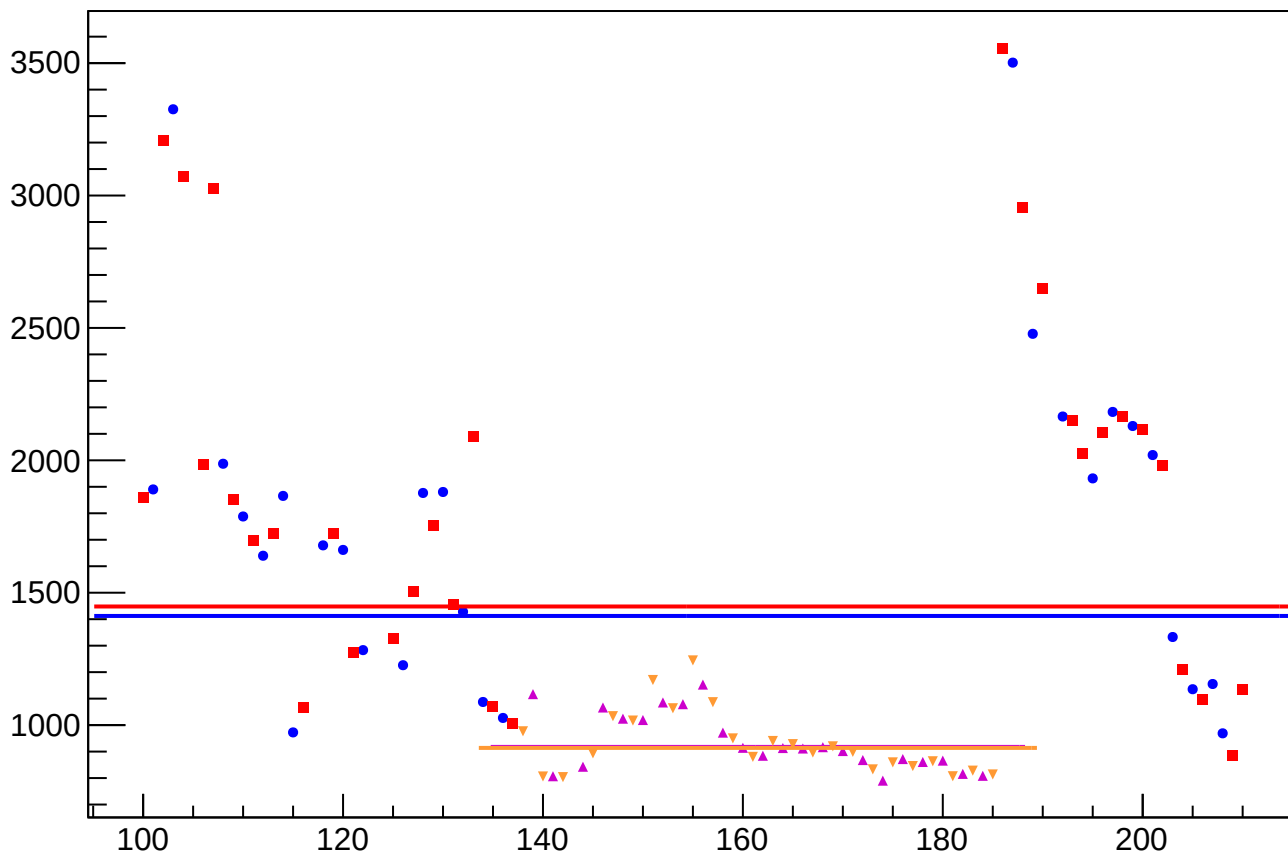
Left In: -81.518 ± 215.913 χ^2/NDF : 30.0/22

+ sign -1023.120 ± 185.874 χ^2/NDF : 93.6/50

All: -766.342 ± 131.604 χ^2/NDF : 197.8/104

- sign -508.226 ± 186.358 χ^2/NDF : 100.4/53

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1412.243+/-0.265 χ^2/NDF : 2971075.9/26

Left Out: 913.898+/-0.151 χ^2/NDF : 462858.6/23

Right Out: 1447.974+/-0.261 χ^2/NDF : 4335522.1/30

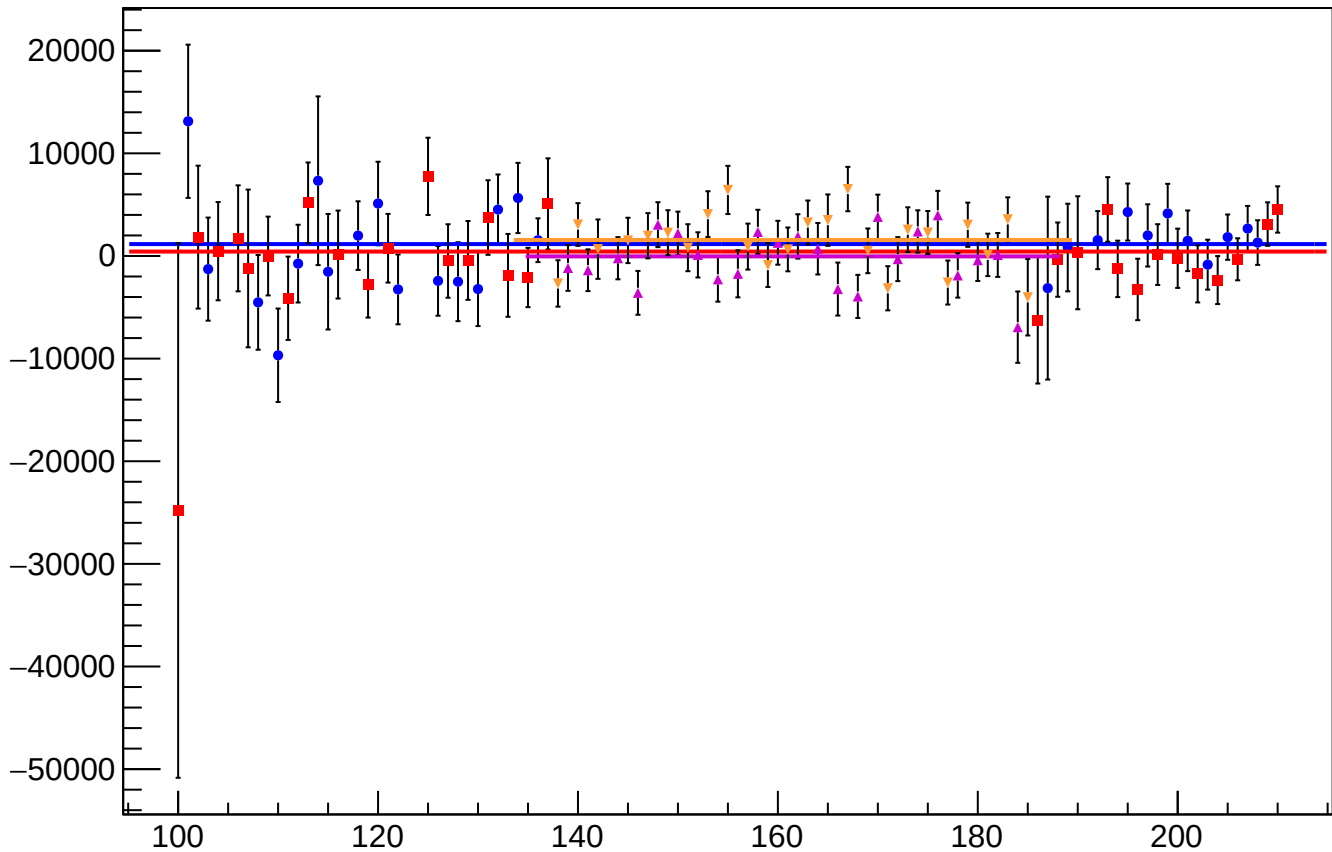
Left In: 917.674+/-0.153 χ^2/NDF : 430509.1/22

+ sign 1036.310+/-0.131 χ^2/NDF : 6097870.5/50

All: 1044.591+/-0.093 χ^2/NDF : 13948710.8/100

- sign 1052.916+/-0.132 χ^2/NDF : 7842879.4/53

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1158.151 $\pm$ 622.069 χ^2 /NDF: 23.9/26

Left Out: 1561.357 $\pm$ 456.883 χ^2 /NDF:31.2/23

Right Out: 430.738 $\pm$ 601.693 χ^2 /NDF: 23.7/30

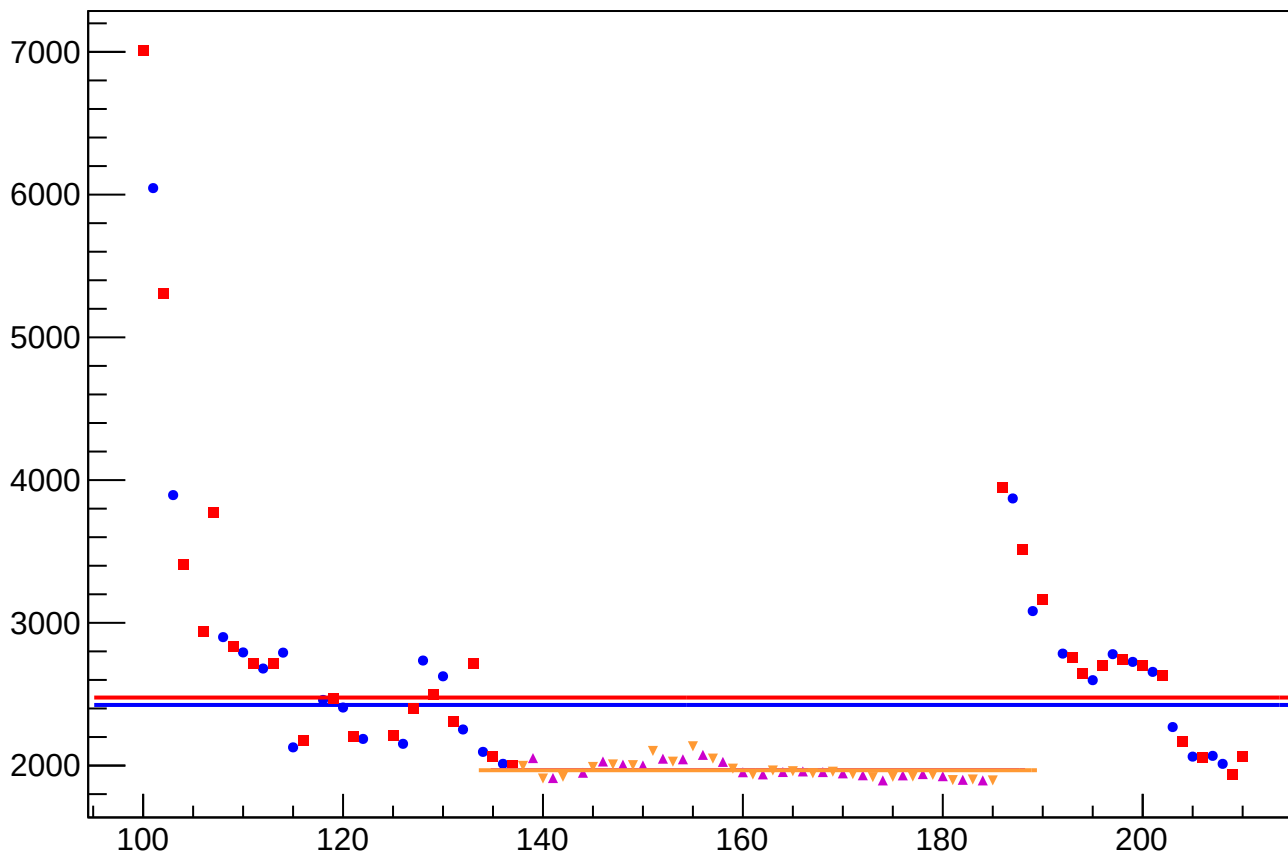
Left In: -39.885 $\pm$ 459.938 χ^2 /NDF:27.8/22

+ sign 1420.071 $\pm$ 368.235 χ^2 /NDF: 55.4/50

All: 771.921 $\pm$ 259.376 χ^2 /NDF: 113.4/104

- sign 133.687 $\pm$ 365.408 χ^2 /NDF: 51.9/53

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2424.676+/-0.440 χ^2/NDF : 1223862.3/26

Left Out: 1967.416+/-0.323 χ^2/NDF : 34217.6/23

Right Out: 2476.592+/-0.425 χ^2/NDF : 1372931.3/30

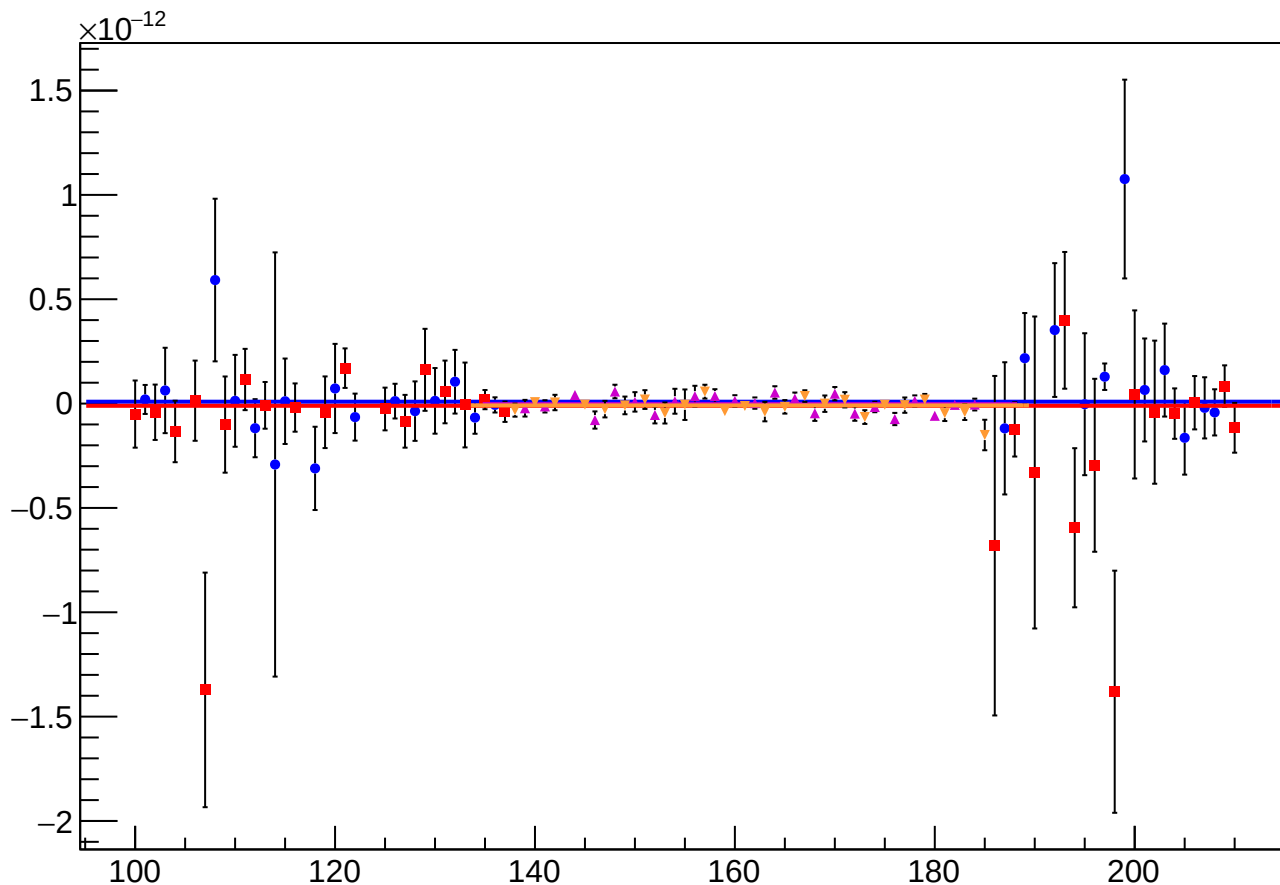
Left In: 1969.022+/-0.325 χ^2/NDF : 26523.0/22

+ sign 2127.643+/-0.260 χ^2/NDF : 1960053.3/50

All: 2142.042+/-0.183 χ^2/NDF : 4263897.8/10

- sign 2156.221+/-0.258 χ^2/NDF : 2297775.1/53

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 20.5/26

Left Out: -0.000+/-0.000 χ^2 /NDF:20.8/23

Right Out: -0.000+/-0.000 χ^2 /NDF: 26.7/30

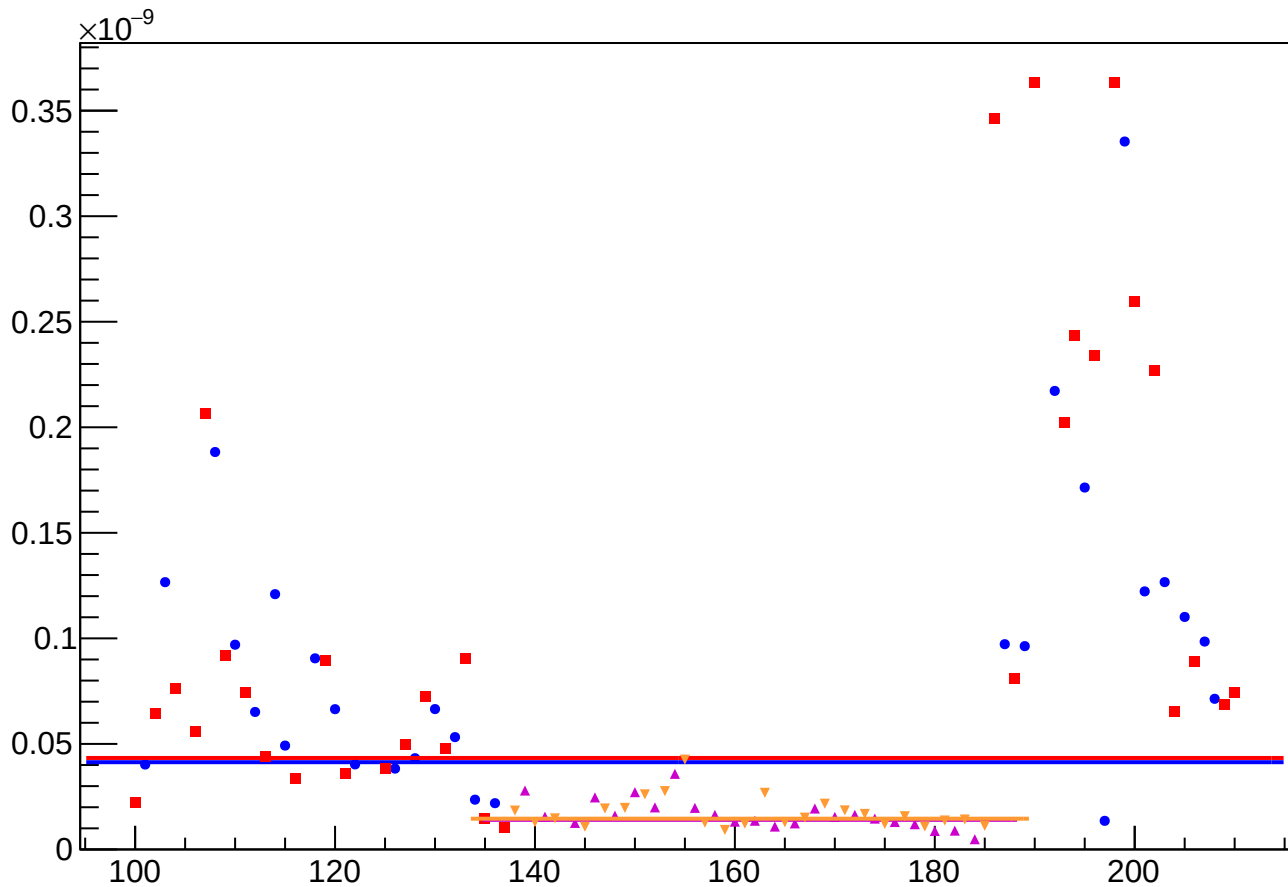
Left In: -0.000+/-0.000 χ^2 /NDF:38.9/22

+ sign -0.000+/-0.000 χ^2 /NDF: 41.9/50

All: -0.000+/-0.000 χ^2 /NDF: 107.9/104

- sign -0.000+/-0.000 χ^2 /NDF: 65.8/53

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5222325.4/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 7152709.6/30

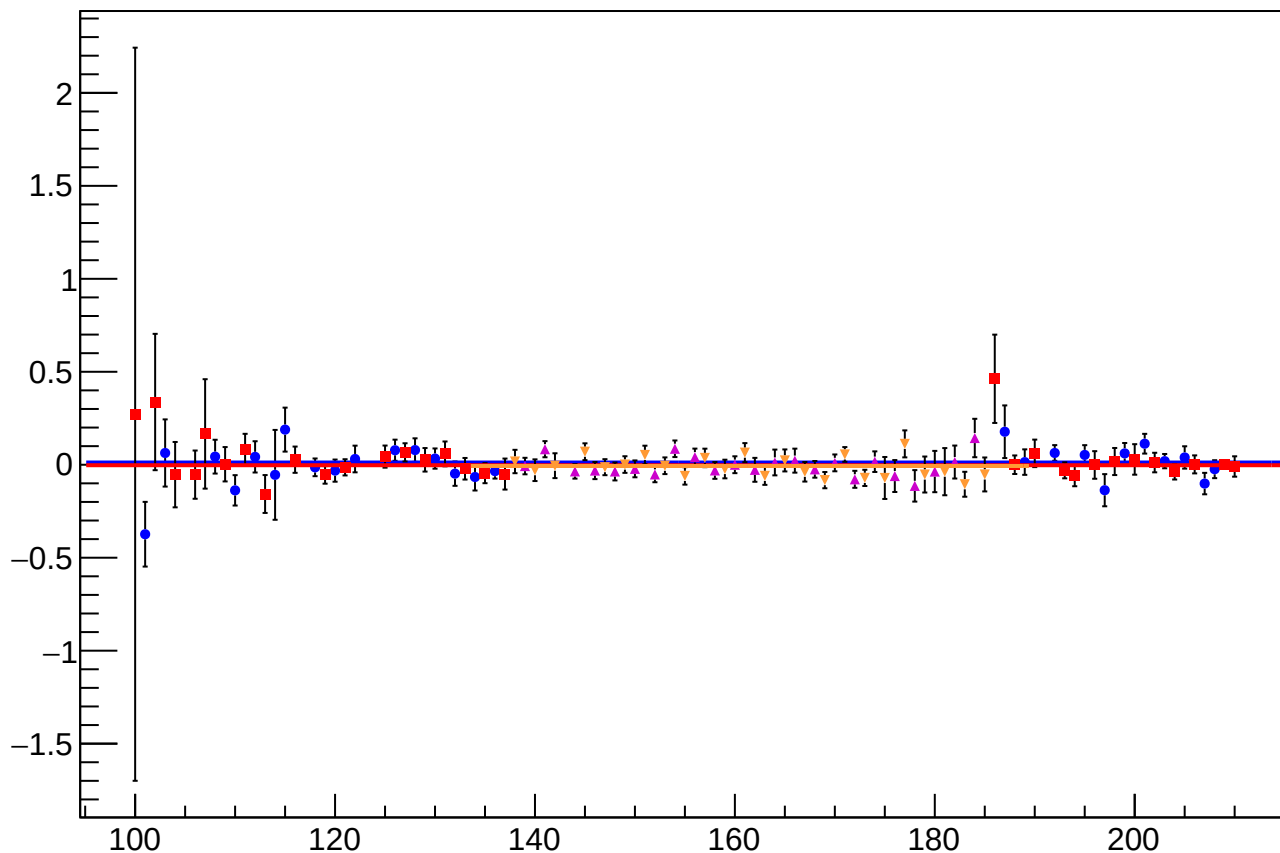
Left In: 0.000+/-0.000 χ^2/NDF : 1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 9239720.9/50

All: 0.000+/-0.000 χ^2/NDF : 21142528.4/104

- sign 0.000+/-0.000 χ^2/NDF : 11895828.3/53

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 ± 0.012 χ^2/NDF : 33.2/26

Left Out: -0.007 ± 0.011 χ^2/NDF : 23.9/23

Right Out: -0.003 ± 0.011 χ^2/NDF : 17.9/30

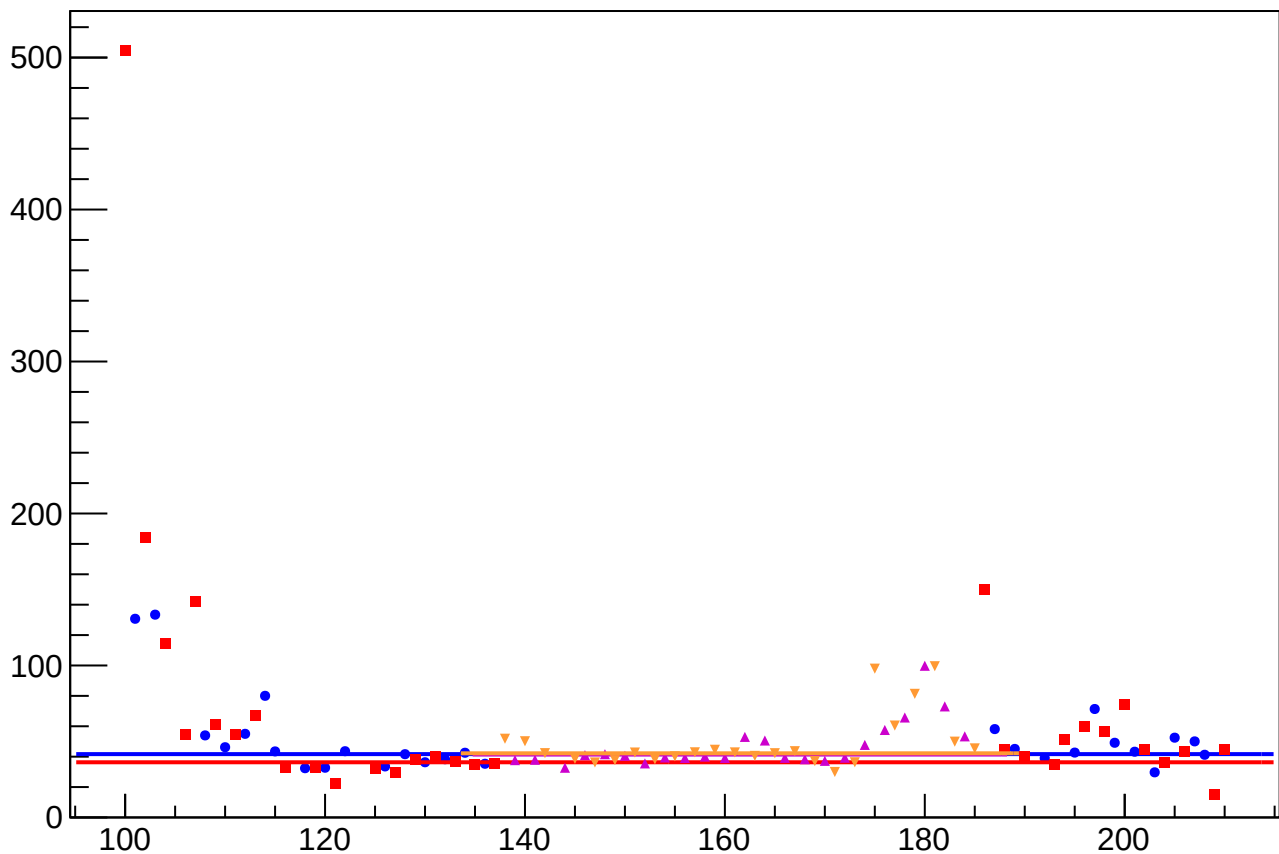
Left In: -0.006 ± 0.011 χ^2/NDF : 20.1/22

+ sign 0.002 ± 0.008 χ^2/NDF : 58.5/50

All: -0.001 ± 0.006 χ^2/NDF : 96.9/104

- sign -0.004 ± 0.008 χ^2/NDF : 38.1/53

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.676 $\pm$ 0.008 χ^2 /NDF: 2038379.6/26

Left Out: 42.208 $\pm$ 0.008 χ^2 /NDF: 1819371.1/23

Right Out: 36.305 $\pm$ 0.008 χ^2 /NDF: 4874029.6/30

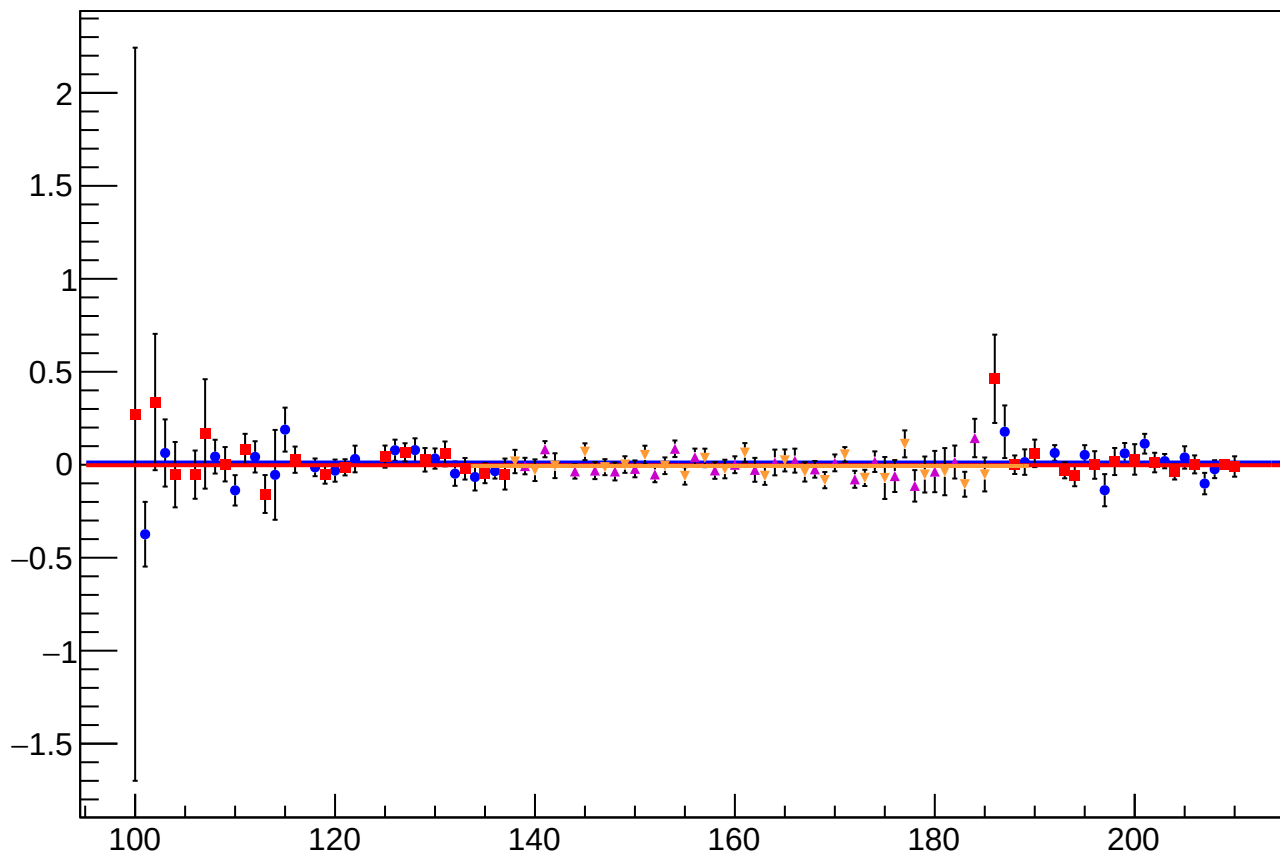
Left In: 41.421 $\pm$ 0.008 χ^2 /NDF: 1412177.5/22

+ sign 41.964 $\pm$ 0.006 χ^2 /NDF: 3859927.1/50

All: 40.303 $\pm$ 0.004 χ^2 /NDF: 10536617.7/104

- sign 38.834 $\pm$ 0.005 χ^2 /NDF: 6515531.1/53

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 ± 0.012 χ^2/NDF : 33.2/26

Left Out: -0.007 ± 0.011 χ^2/NDF : 23.9/23

Right Out: -0.003 ± 0.011 χ^2/NDF : 17.9/30

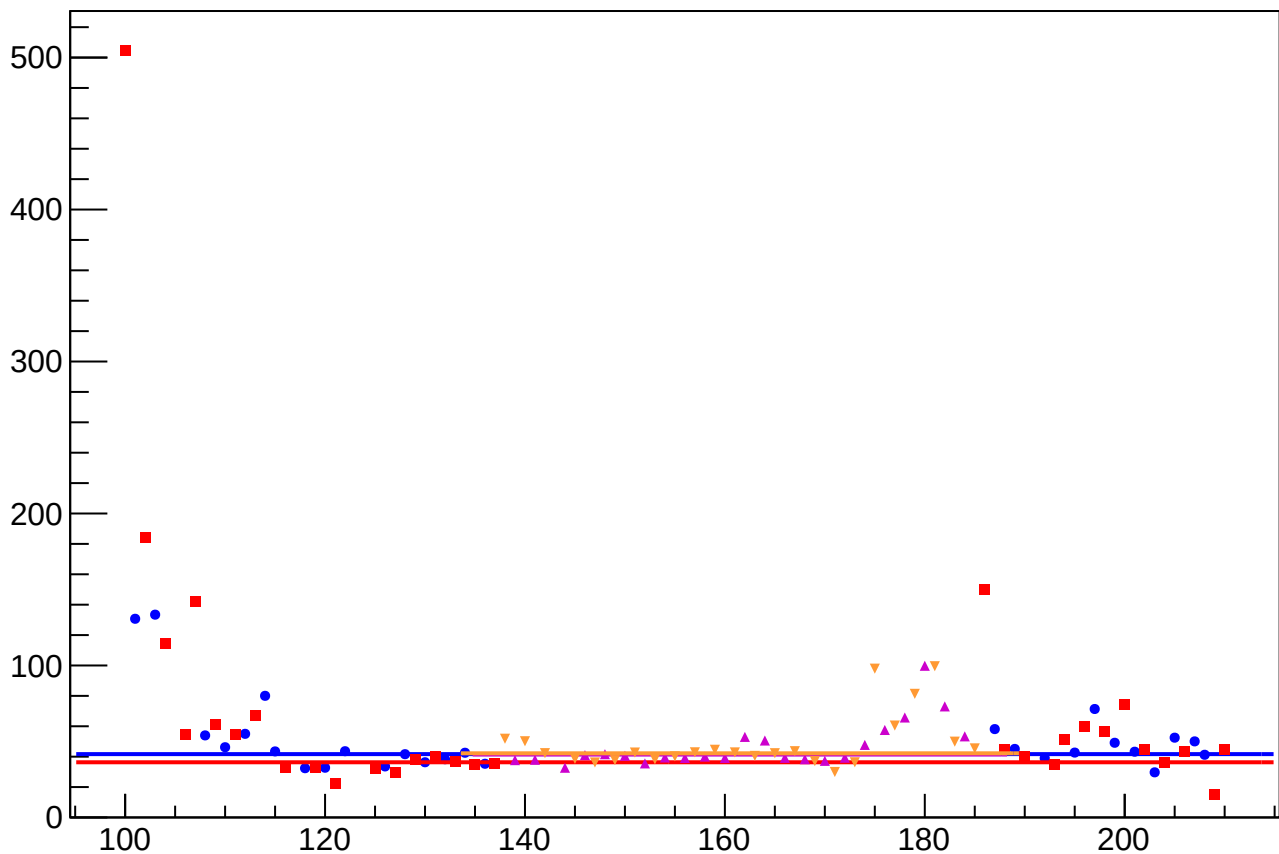
Left In: -0.006 ± 0.011 χ^2/NDF : 20.1/22

+ sign 0.002 ± 0.008 χ^2/NDF : 58.5/50

All: -0.001 ± 0.006 χ^2/NDF : 96.9/104

- sign -0.004 ± 0.008 χ^2/NDF : 38.1/53

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.676+/-0.008 χ^2/NDF : 2038379.6/26

Left Out: 42.208+/-0.008 χ^2/NDF : 1819371.1/23

Right Out: 36.305+/-0.008 χ^2/NDF : 4874029.6/30

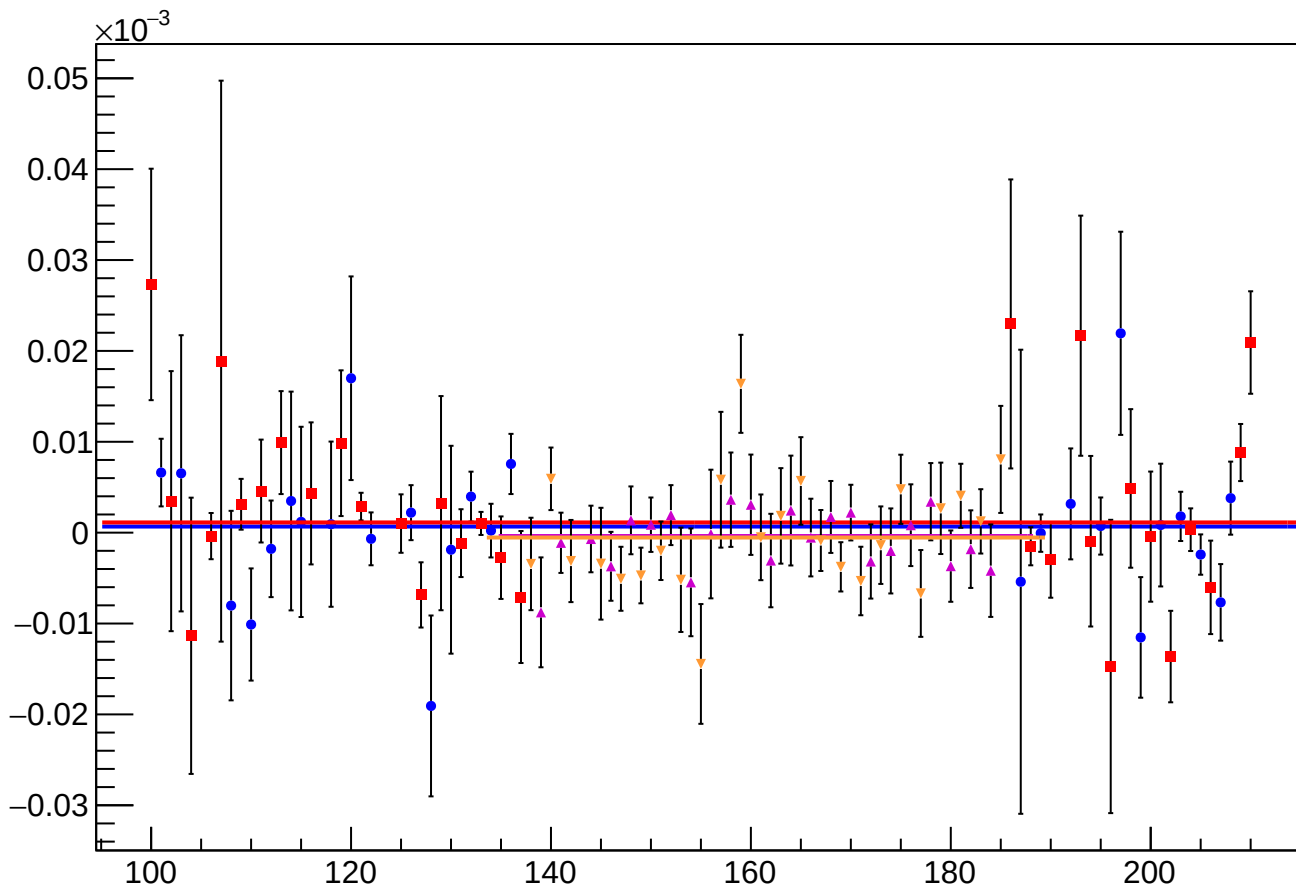
Left In: 41.421+/-0.008 χ^2/NDF : 1412177.5/22

+ sign 41.964+/-0.006 χ^2/NDF : 3859927.1/50

All: 40.303+/-0.004 χ^2/NDF : 10536617.7/104

- sign 38.834+/-0.005 χ^2/NDF : 6515531.1/53

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.1/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:36.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 56.0/30

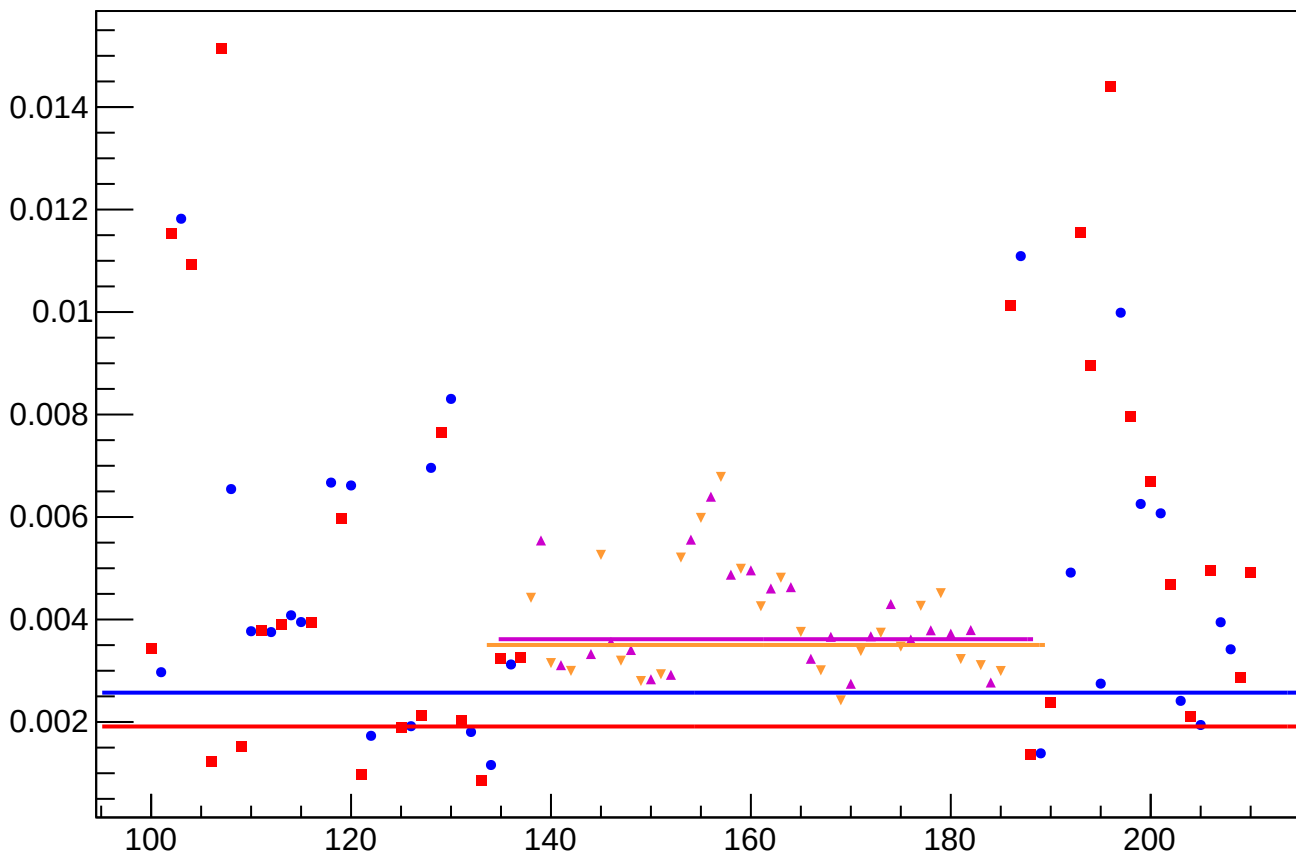
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:9.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 71.0/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 139.0/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67.6/53

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 7473219.9/26

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:2190693.7/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 14213070.7/30

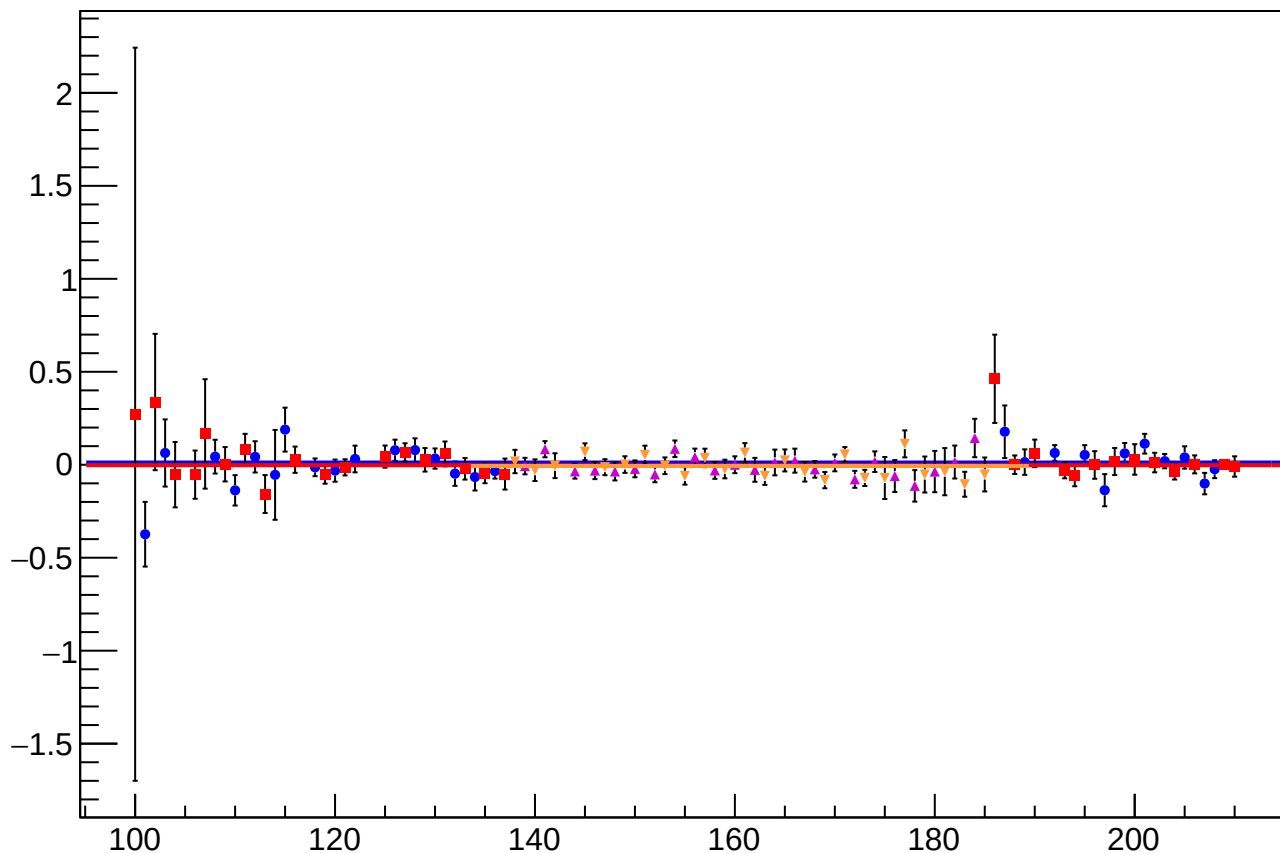
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1668896.2/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10975178.6/50

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 32717415.0/104

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 20886573.4/53

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 ± 0.012 χ^2/NDF : 33.2/26

Left Out: -0.007 ± 0.011 χ^2/NDF : 23.9/23

Right Out: -0.003 ± 0.011 χ^2/NDF : 17.9/30

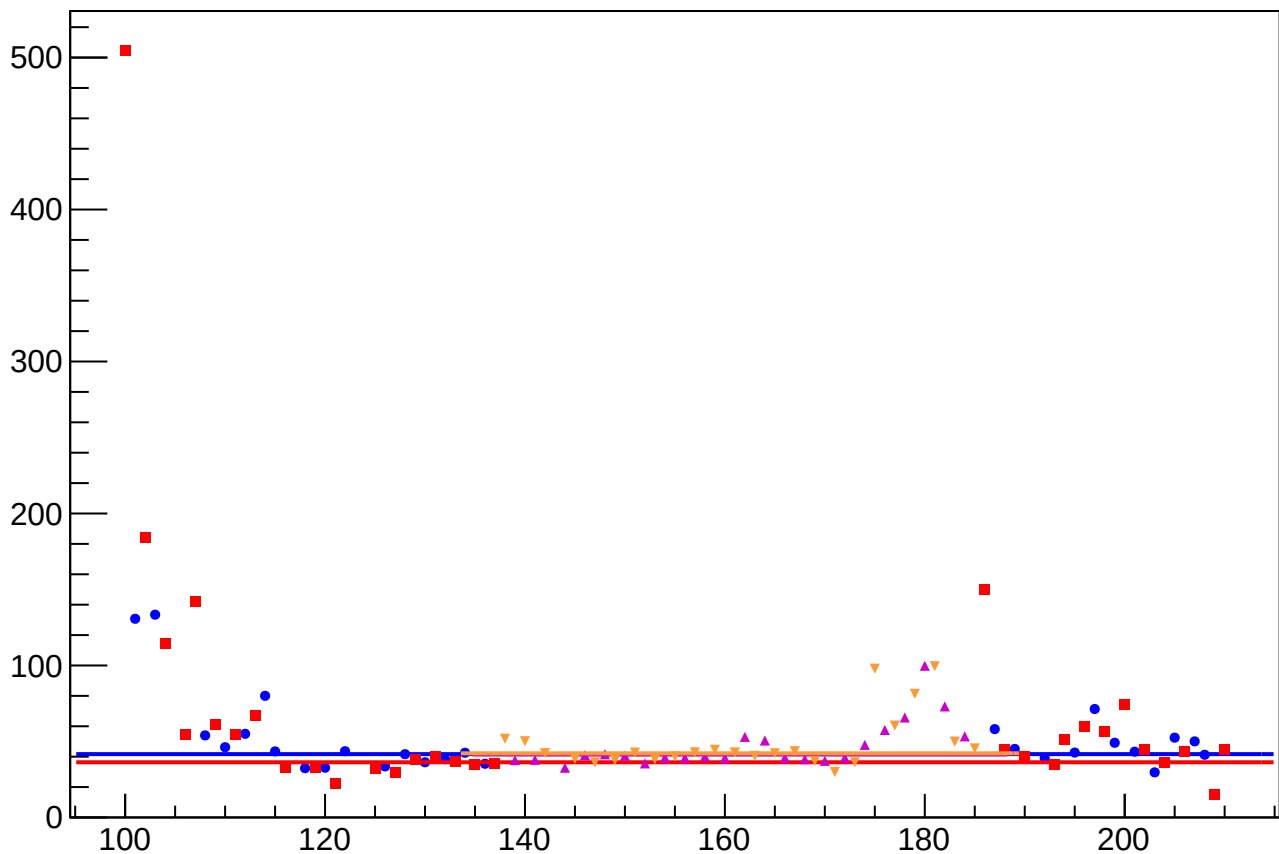
Left In: -0.006 ± 0.011 χ^2/NDF : 20.1/22

+ sign 0.002 ± 0.008 χ^2/NDF : 58.5/50

All: -0.001 ± 0.006 χ^2/NDF : 96.9/104

- sign -0.004 ± 0.008 χ^2/NDF : 38.1/53

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.677 $\pm$ 0.008 χ^2 /NDF: 2038281.7/26

Left Out: 42.208 $\pm$ 0.008 χ^2 /NDF: 1819378.3/23

Right Out: 36.309 $\pm$ 0.008 χ^2 /NDF: 4871543.1/30

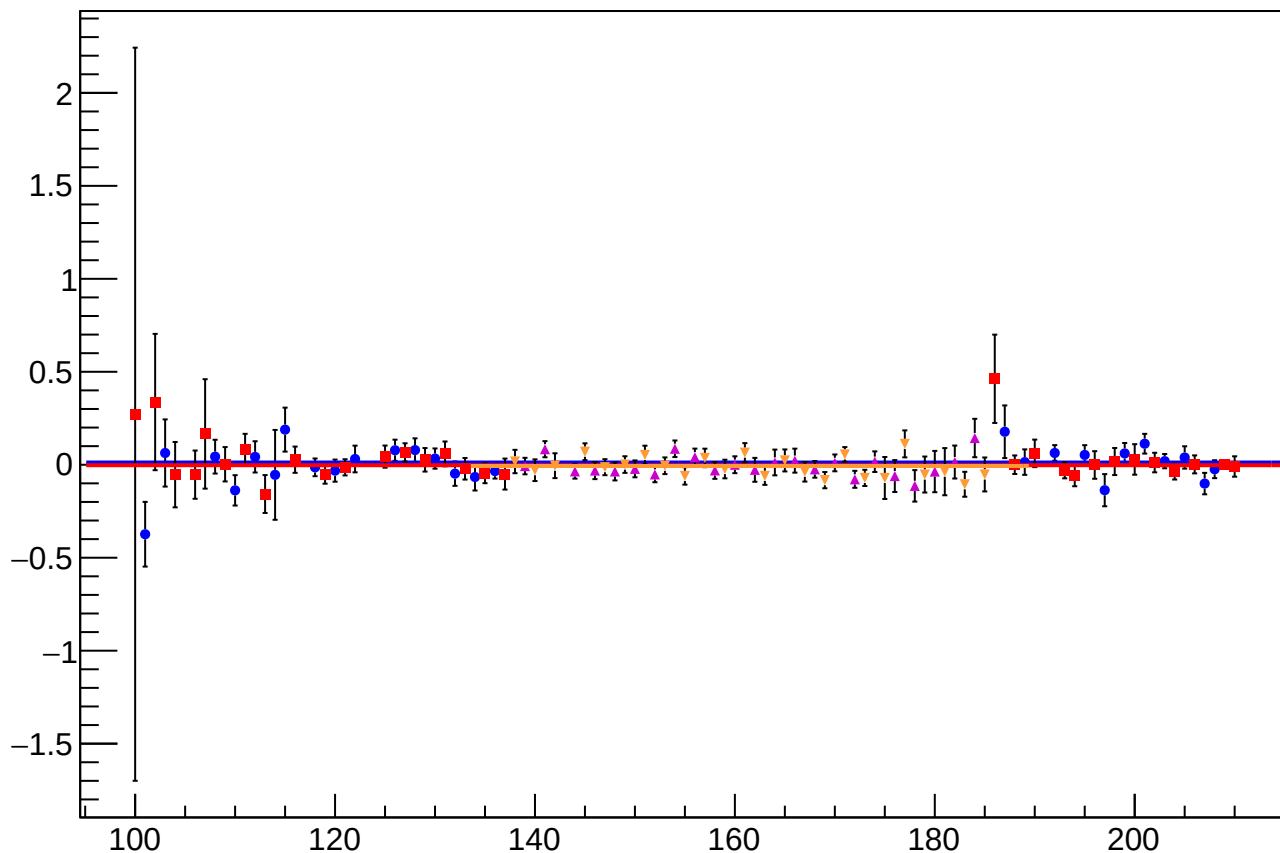
Left In: 41.421 $\pm$ 0.008 χ^2 /NDF: 1412111.4/22

+ sign 41.964 $\pm$ 0.006 χ^2 /NDF: 3859830.9/50

All: 40.304 $\pm$ 0.004 χ^2 /NDF: 10533304.4/104

- sign 38.836 $\pm$ 0.005 χ^2 /NDF: 6512557.0/53

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 ± 0.012 χ^2/NDF : 33.2/26

Left Out: -0.007 ± 0.011 χ^2/NDF : 23.9/23

Right Out: -0.003 ± 0.011 χ^2/NDF : 17.9/30

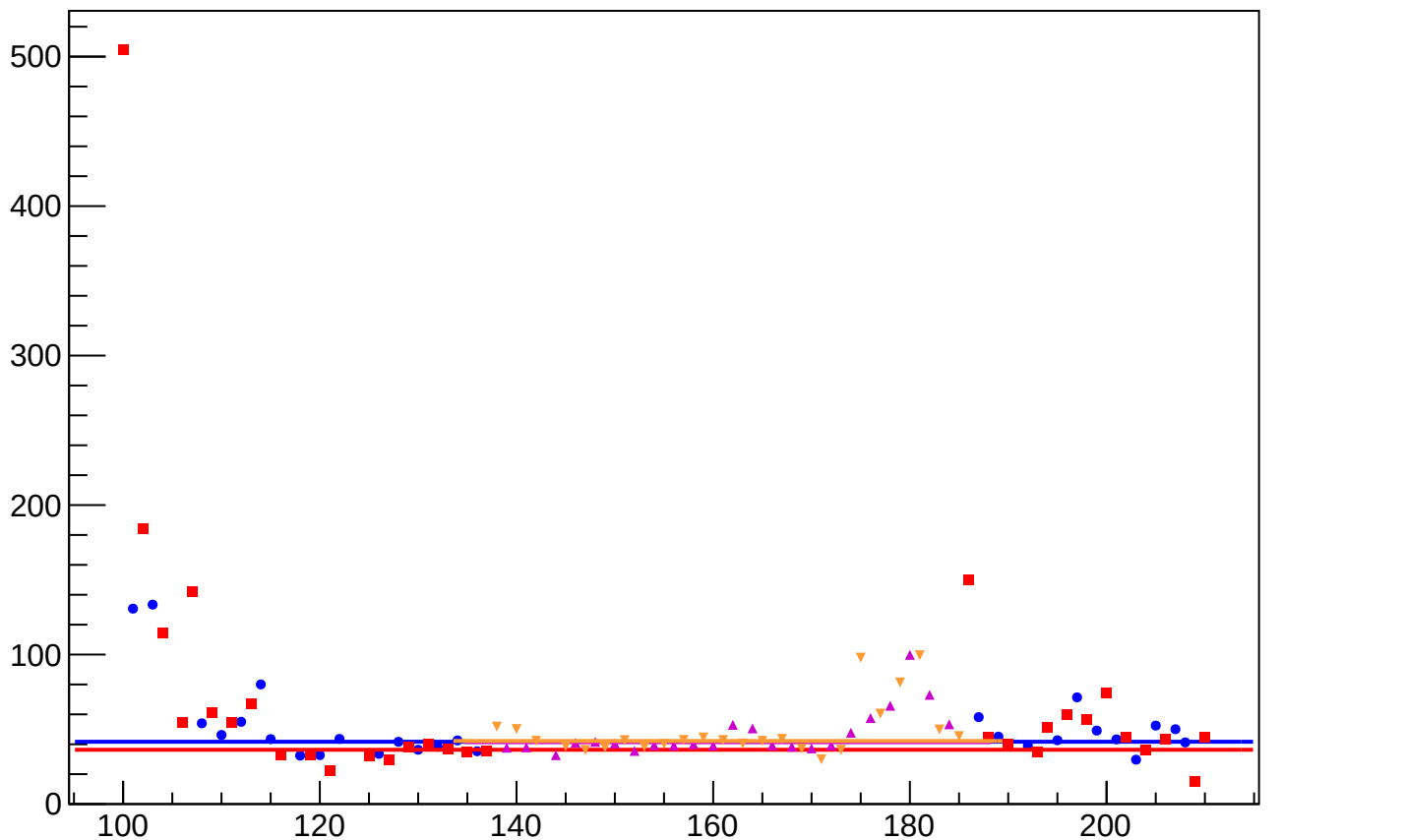
Left In: -0.006 ± 0.011 χ^2/NDF : 20.1/22

+ sign 0.002 ± 0.008 χ^2/NDF : 58.5/50

All: -0.001 ± 0.006 χ^2/NDF : 96.9/104

- sign -0.004 ± 0.008 χ^2/NDF : 38.1/53

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.677 $\pm$ 0.008 χ^2 /NDF: 2038281.7/26

Left Out: 42.208 $\pm$ 0.008 χ^2 /NDF: 1819378.3/23

Right Out: 36.309 $\pm$ 0.008 χ^2 /NDF: 4871543.1/30

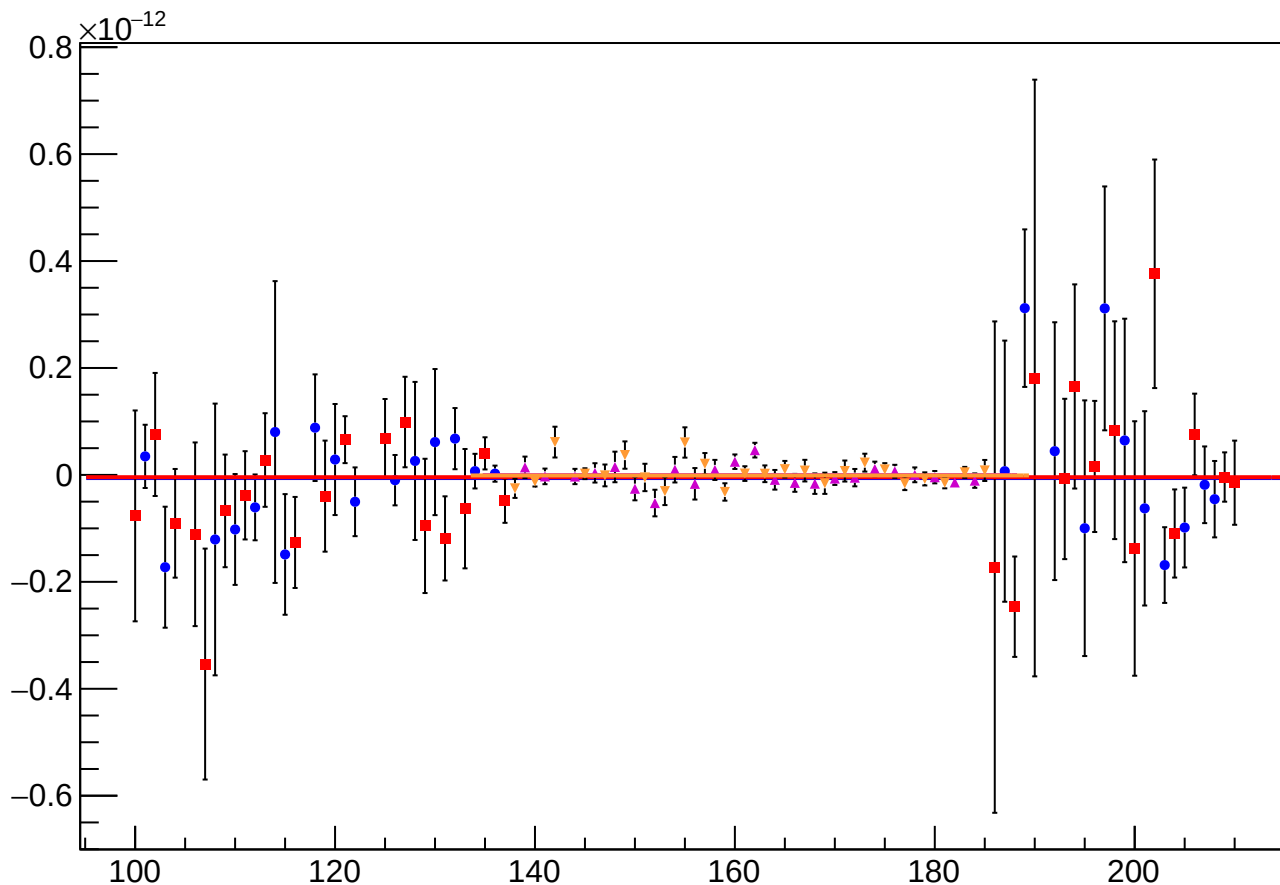
Left In: 41.421 $\pm$ 0.008 χ^2 /NDF: 1412111.4/22

+ sign 41.964 $\pm$ 0.006 χ^2 /NDF: 3859830.9/50

All: 40.304 $\pm$ 0.004 χ^2 /NDF: 10533304.4/104

- sign 38.836 $\pm$ 0.005 χ^2 /NDF: 6512557.0/53

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 24.2/26

Left Out: -0.000+/-0.000 χ^2/NDF : 29.5/23

Right Out: -0.000+/-0.000 χ^2/NDF : 32.6/30

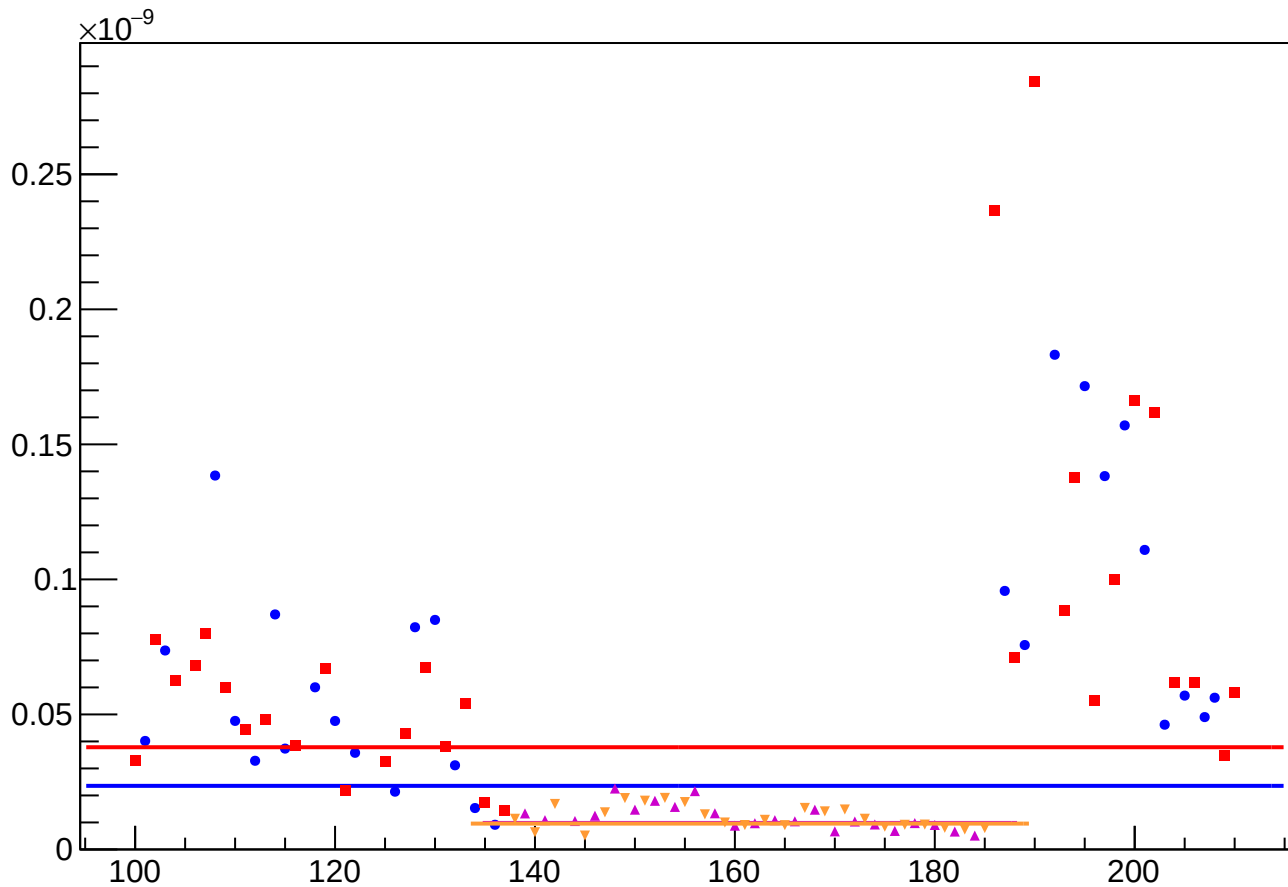
Left In: -0.000+/-0.000 χ^2/NDF : 28.3/22

+ sign -0.000+/-0.000 χ^2/NDF : 53.9/50

All: -0.000+/-0.000 χ^2/NDF : 114.9/104

- sign -0.000+/-0.000 χ^2/NDF : 61.0/53

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9412501.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2445128.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6577377.8/30

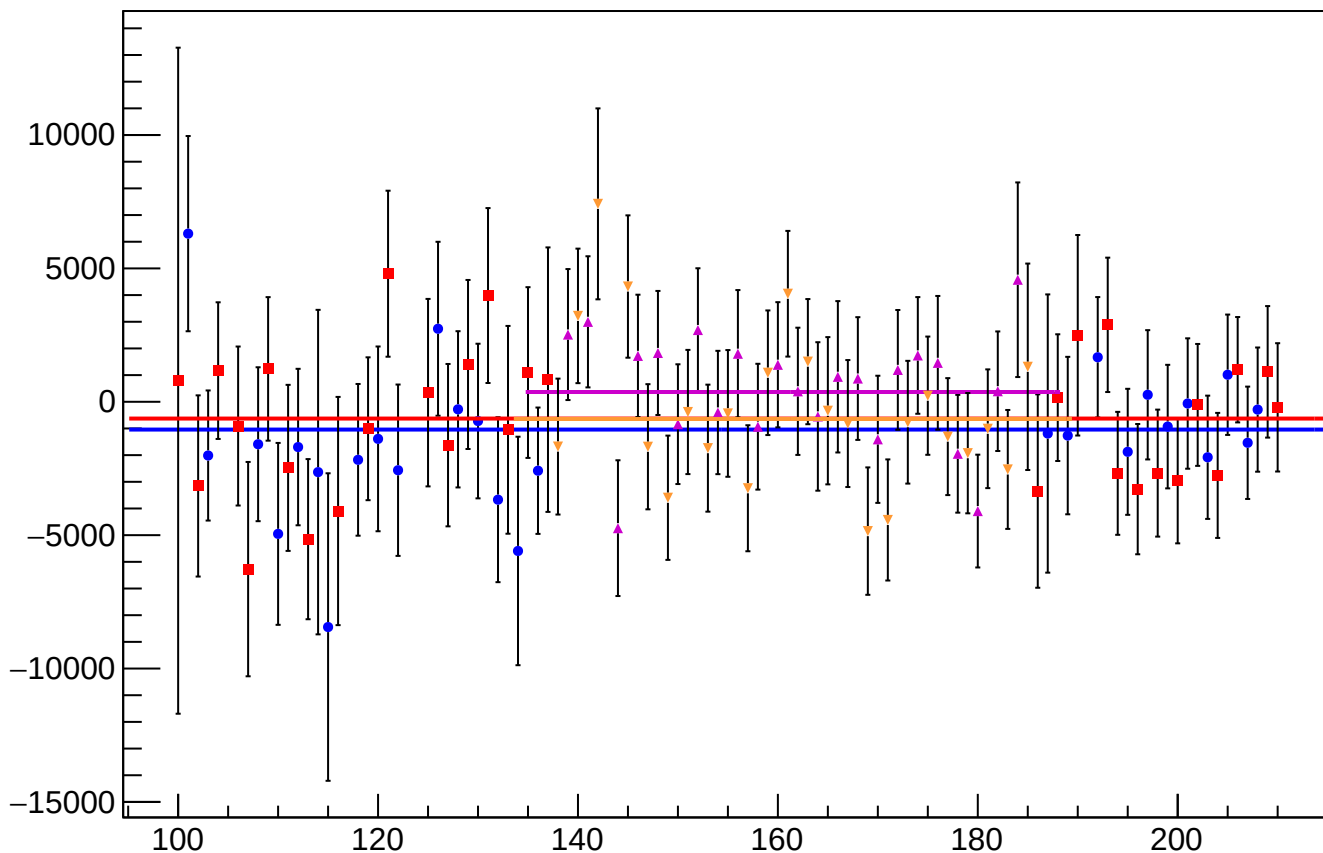
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2250638.6/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 14905818.3/50

All: 0.000 $\pm$ 0.000 χ^2/NDF : 31196070.6/104

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 16256473.2/53

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1041.217 ± 539.263 $\chi^2/\text{NDF}: 14.6/26$

Left Out: -643.811 ± 493.681 $\chi^2/\text{NDF}: 27.1/23$

Right Out: -628.671 ± 511.733 $\chi^2/\text{NDF}: 22.1/30$

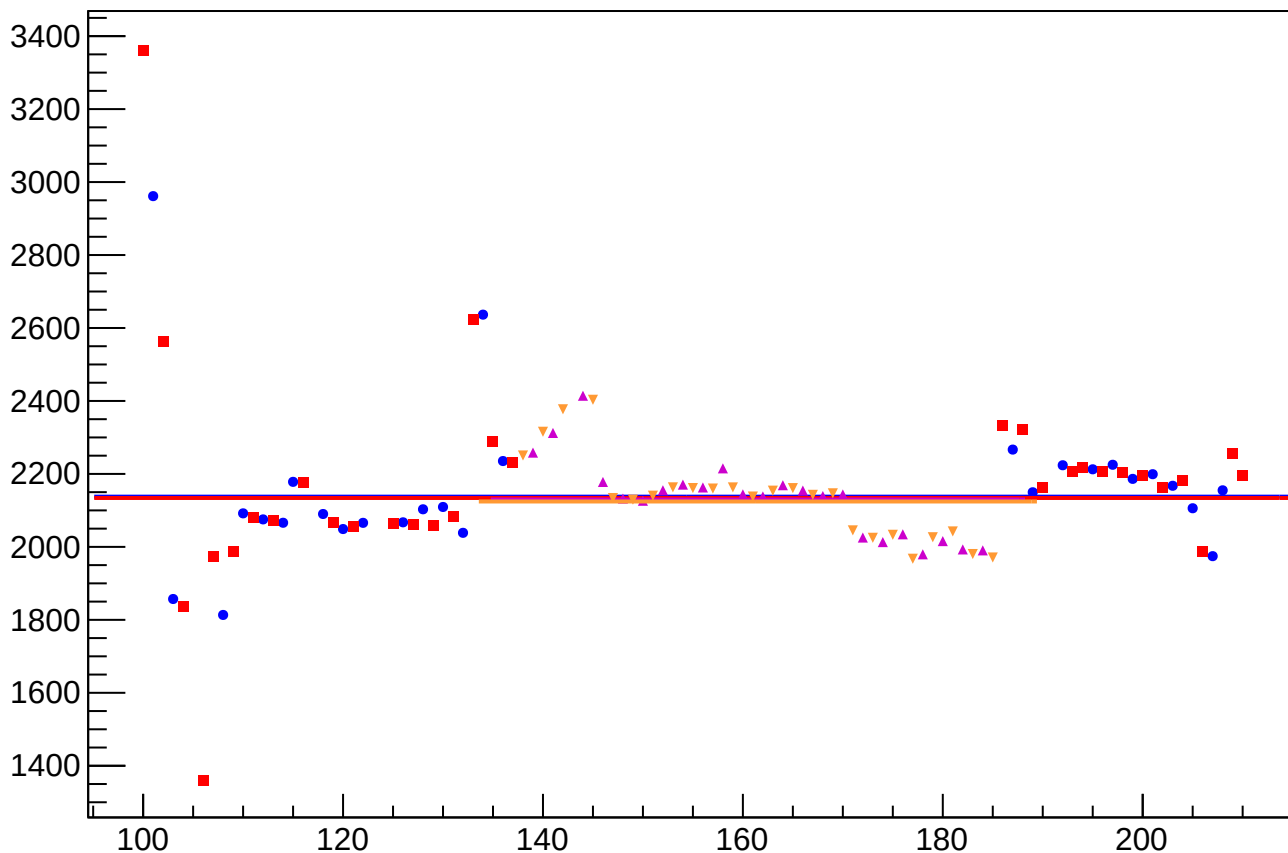
Left In: 366.759 ± 497.896 $\chi^2/\text{NDF}: 17.3/22$

+ sign -825.012 ± 364.135 $\chi^2/\text{NDF}: 42.0/50$

All: -464.021 ± 254.870 $\chi^2/\text{NDF}: 85.3/104$

- sign -117.317 ± 356.857 $\chi^2/\text{NDF}: 41.3/53$

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2137.676 $\pm$ 0.381 χ^2 /NDF: 215374.2/26

Left Out: 2124.437 $\pm$ 0.349 χ^2 /NDF: 89184.0/23

Right Out: 2134.066 $\pm$ 0.362 χ^2 /NDF: 312993.7/30

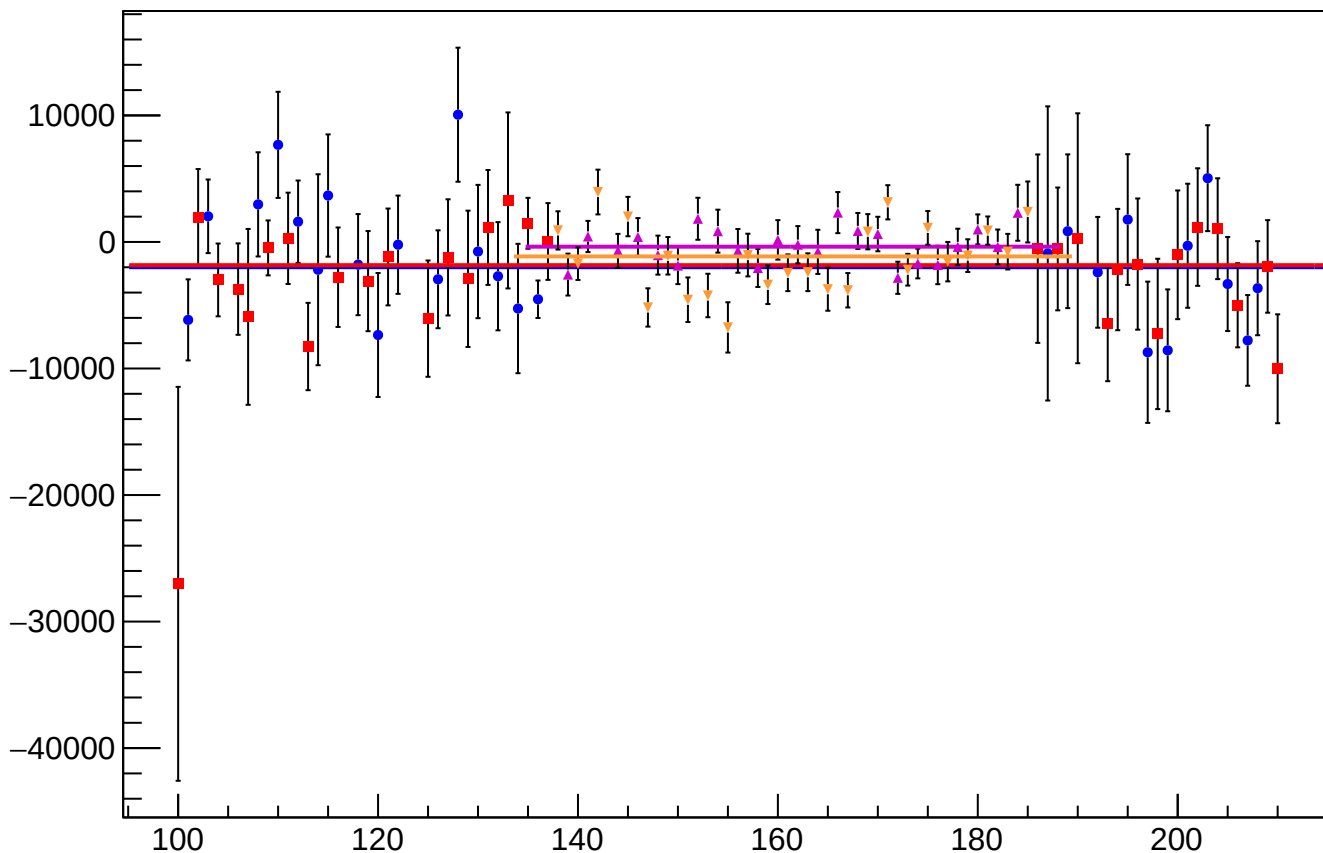
Left In: 2129.897 $\pm$ 0.352 χ^2 /NDF: 85354.5/22

+ sign 2130.473 $\pm$ 0.257 χ^2 /NDF: 305214.0/50

All: 2131.213 $\pm$ 0.180 χ^2 /NDF: 703646.5/104

- sign 2131.924 $\pm$ 0.252 χ^2 /NDF: 398416.3/53

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug



Right In: -1993.862 ± 732.214 χ^2/NDF : 33.0/26

Left Out: -1144.817 ± 302.488 χ^2/NDF : 67.5/23

Right Out: -1834.291 ± 705.245 χ^2/NDF : 21.3/30

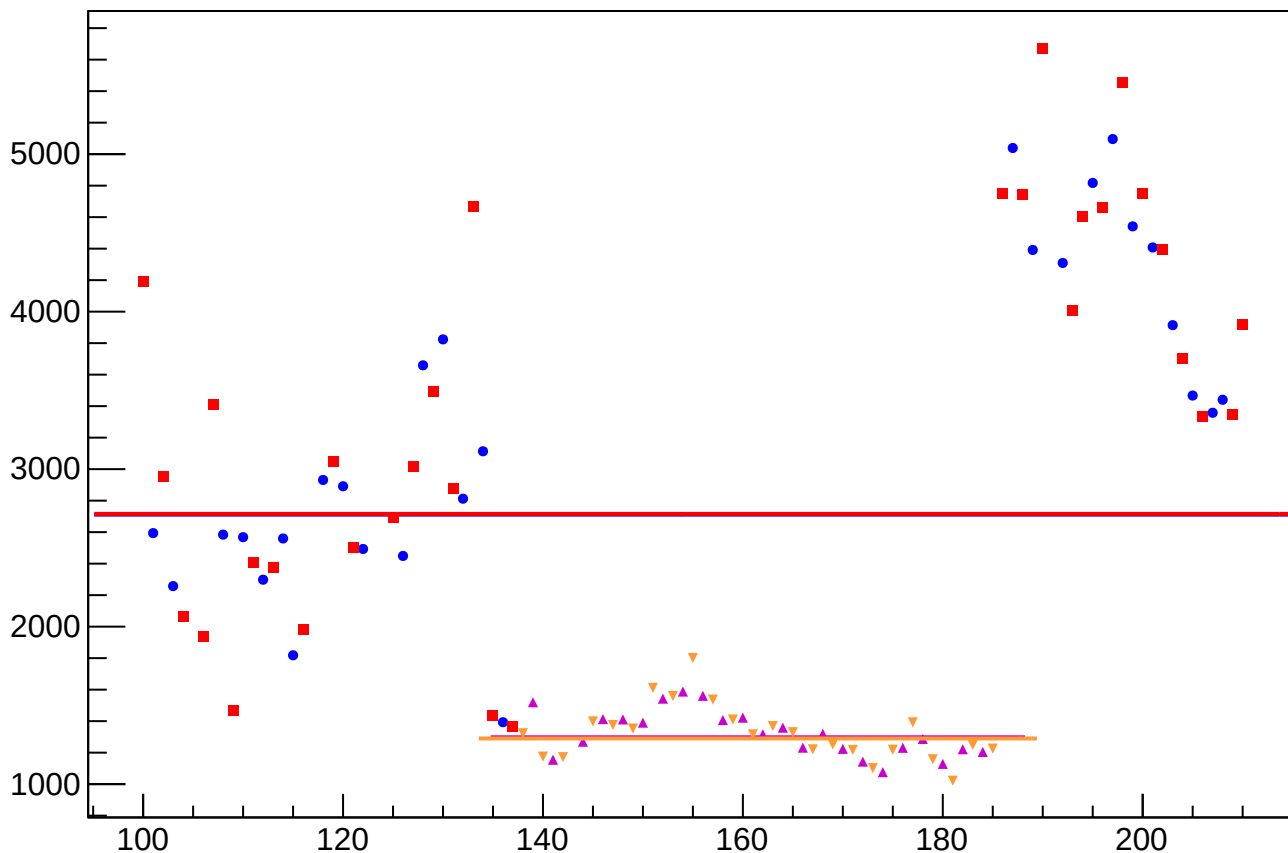
Left In: -373.302 ± 305.378 χ^2/NDF : 20.3/22

+ sign -1268.594 ± 279.571 χ^2/NDF : 101.6/50

All: -937.075 ± 197.921 χ^2/NDF : 149.7/104

- sign -603.982 ± 280.234 χ^2/NDF : 45.2/53

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2711.264+/-0.518 χ^2/NDF : 4047990.1/26

Left Out: 1290.029+/-0.214 χ^2/NDF : 567950.9/23

Right Out: 2715.871+/-0.499 χ^2/NDF : 5280280.4/30

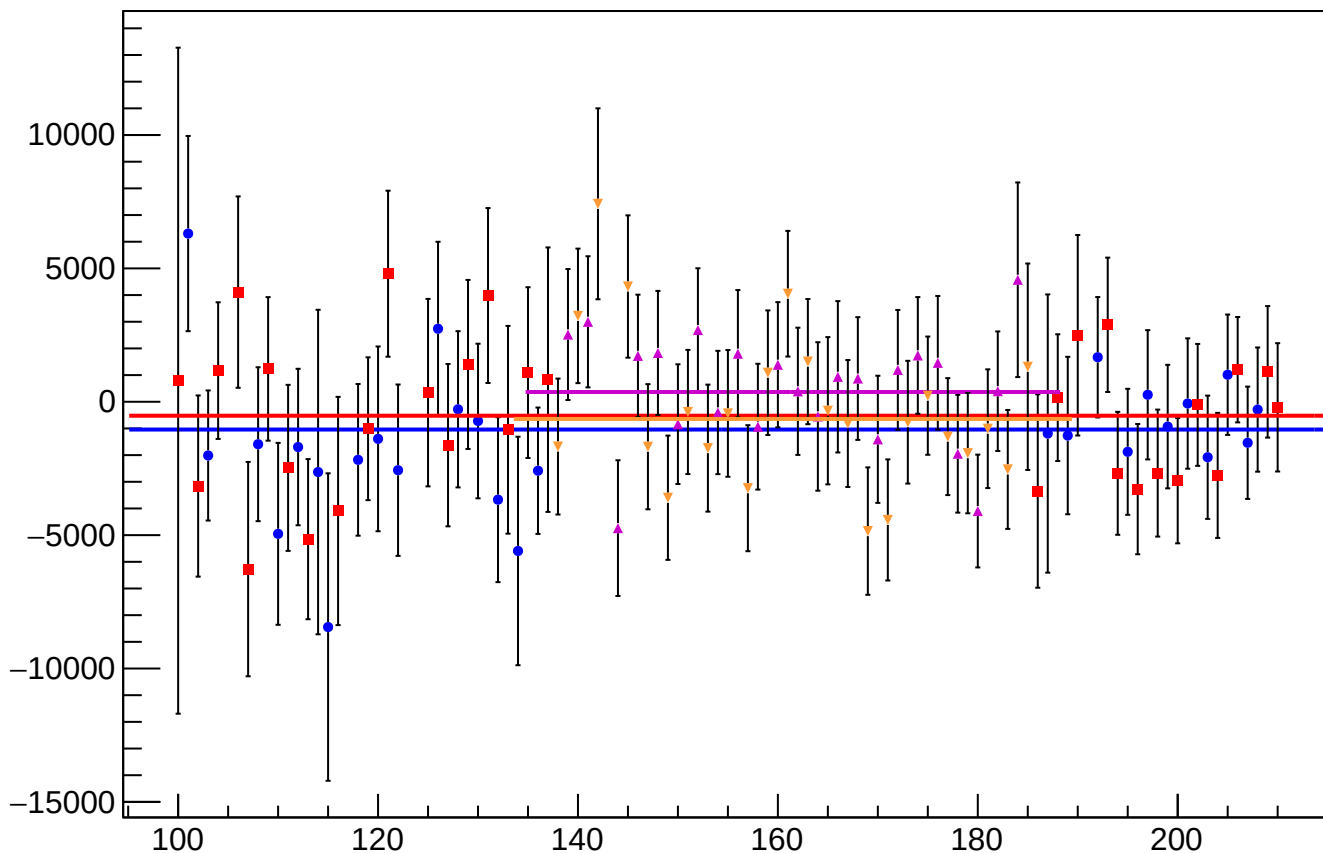
Left In: 1297.454+/-0.216 χ^2/NDF : 433995.4/22

+ sign 1497.222+/-0.198 χ^2/NDF : 11052503.8/50

All: 1509.289+/-0.140 χ^2/NDF : 23587041.9/100

- sign 1521.412+/-0.198 χ^2/NDF : 12527069.1/53

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1041.272 ± 539.263 χ^2/NDF : 14.6/26

Left Out: -643.673 ± 493.681 χ^2/NDF : 27.1/23

Right Out: -523.140 ± 514.087 χ^2/NDF : 23.8/30

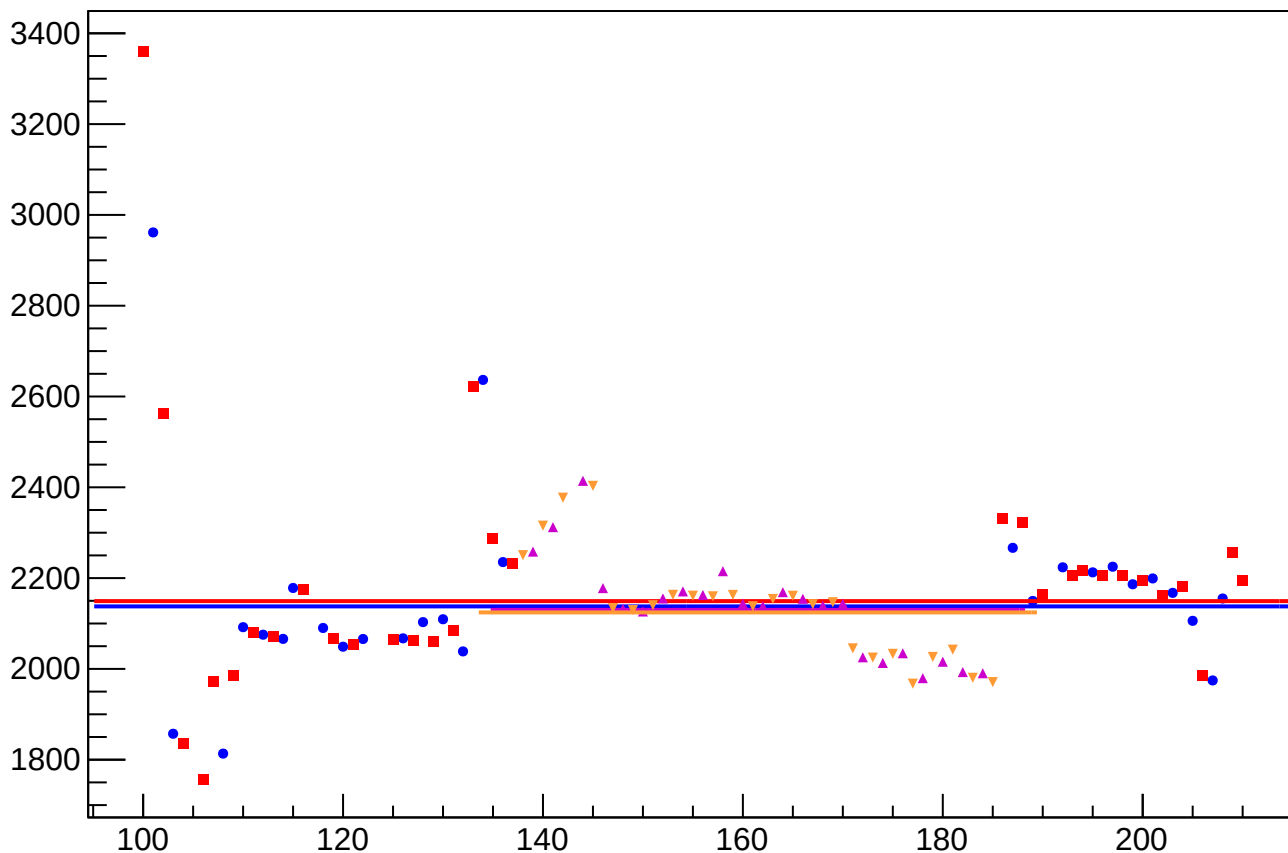
Left In: 366.649 ± 497.896 χ^2/NDF : 17.3/22

+ sign -824.961 ± 364.135 χ^2/NDF : 42.1/50

All: -437.654 ± 255.160 χ^2/NDF : 86.9/104

- sign -64.013 ± 357.653 χ^2/NDF : 42.6/53

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2137.675 $\pm$ 0.381 χ^2 /NDF: 215374.5/26

Left Out: 2124.437 $\pm$ 0.349 χ^2 /NDF: 89184.0/23

Right Out: 2149.315 $\pm$ 0.364 χ^2 /NDF: 198796.6/30

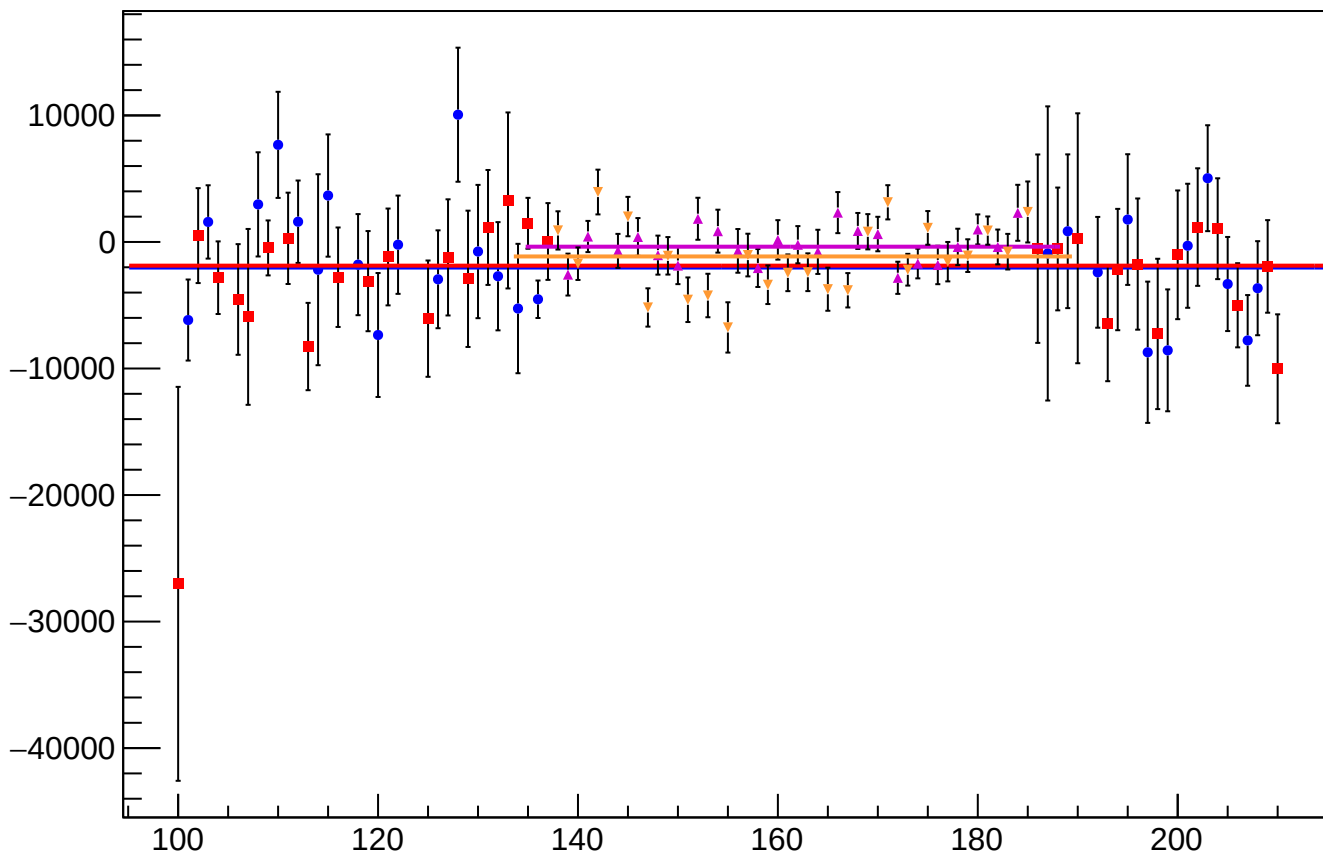
Left In: 2129.897 $\pm$ 0.352 χ^2 /NDF: 85354.4/22

+ sign 2130.473 $\pm$ 0.257 χ^2 /NDF: 305214.3/50

All: 2134.963 $\pm$ 0.180 χ^2 /NDF: 591435.1/104

- sign 2139.295 $\pm$ 0.253 χ^2 /NDF: 285623.3/53

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug



Right In: -2021.158 ± 732.035 χ^2/NDF : 32.6/26

Left Out: -1144.779 ± 302.490 χ^2/NDF : 67.5/23

Right Out: -1871.874 ± 709.161 χ^2/NDF : 20.7/30

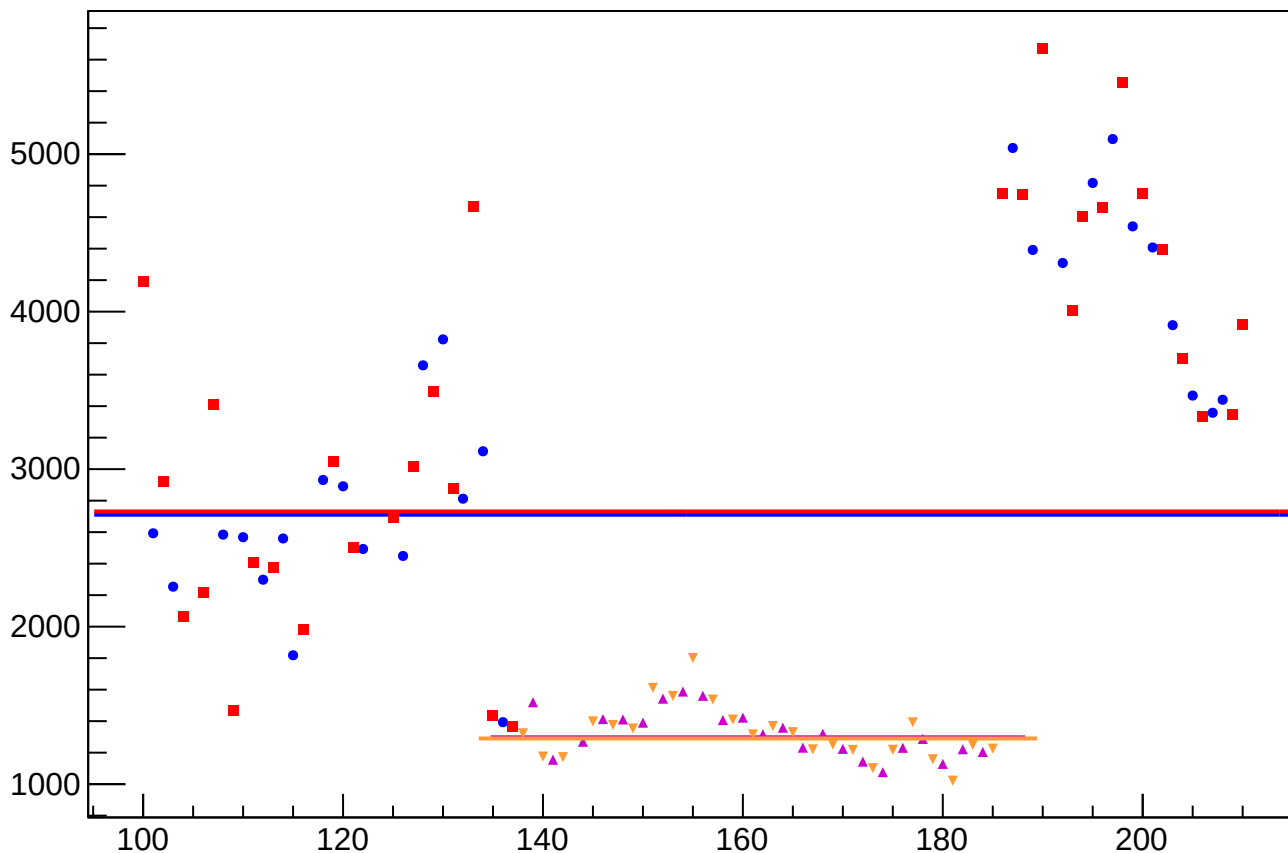
Left In: -373.186 ± 305.379 χ^2/NDF : 20.3/22

+ sign -1272.596 ± 279.563 χ^2/NDF : 101.3/50

All: -941.196 ± 198.004 χ^2/NDF : 149.0/104

- sign -607.621 ± 280.479 χ^2/NDF : 44.8/53

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2710.777 $\pm$ 0.518 χ^2 /NDF: 4049120.3/26

Left Out: 1290.041 $\pm$ 0.214 χ^2 /NDF: 567883.5/23

Right Out: 2731.424 $\pm$ 0.501 χ^2 /NDF: 5212620.2/30

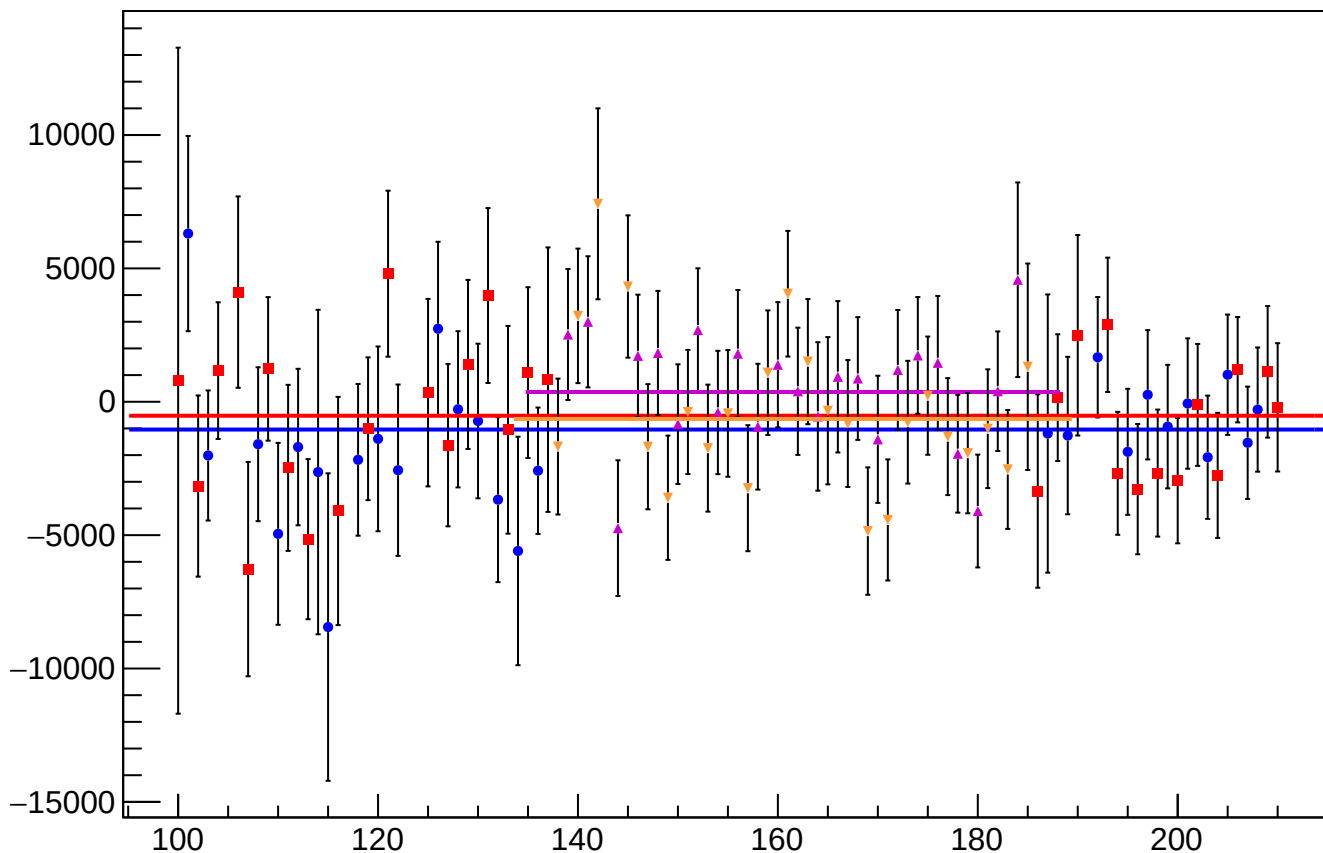
Left In: 1297.458 $\pm$ 0.216 χ^2 /NDF: 434006.2/22

+ sign 1497.249 $\pm$ 0.198 χ^2 /NDF: 11051712.9/50

All: 1509.469 $\pm$ 0.140 χ^2 /NDF: 23604286.8/100

- sign 1521.768 $\pm$ 0.198 χ^2 /NDF: 12544907.4/53

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1041.272 ± 539.263 $\chi^2/\text{NDF}: 14.6/26$

Left Out: -643.673 ± 493.681 $\chi^2/\text{NDF}: 27.1/23$

Right Out: -523.140 ± 514.087 $\chi^2/\text{NDF}: 23.8/30$

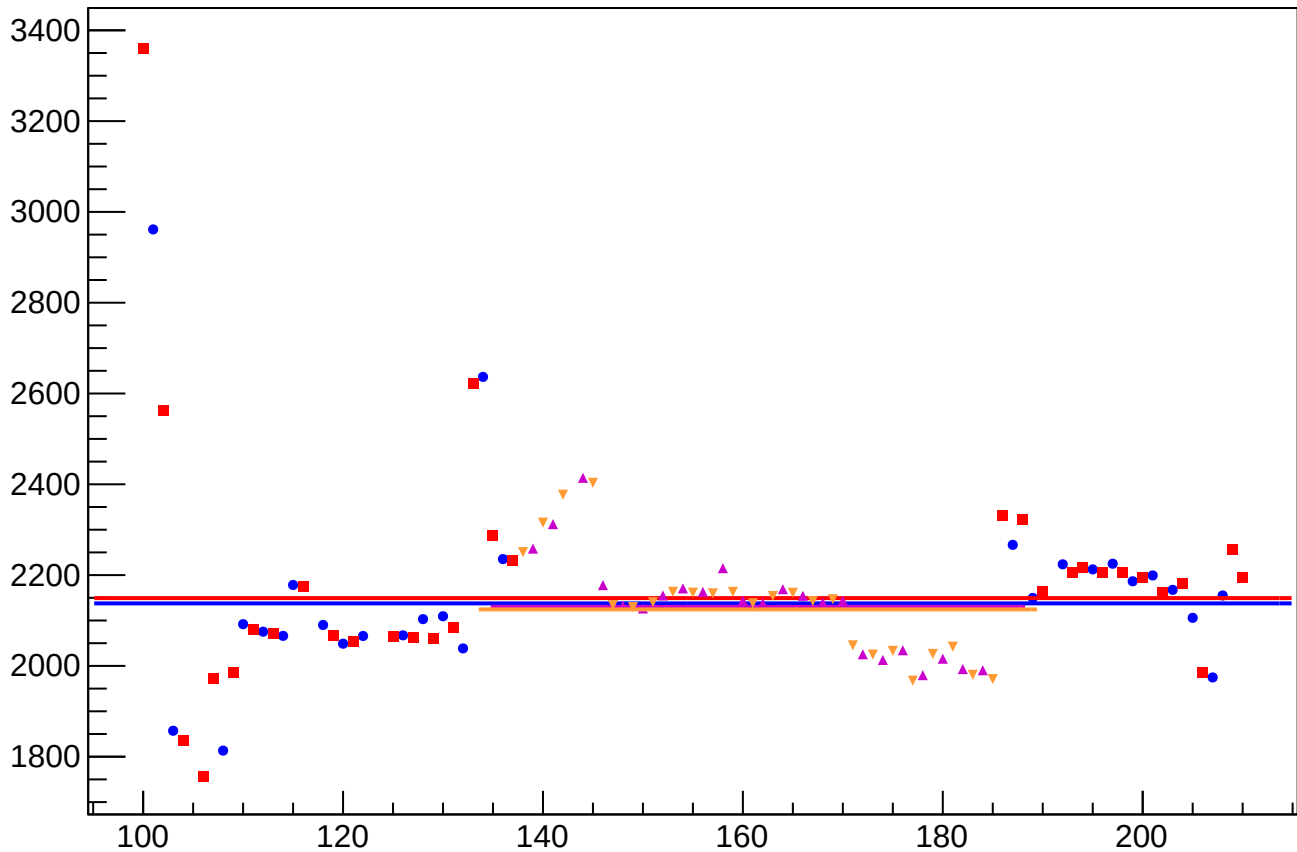
Left In: 366.649 ± 497.896 $\chi^2/\text{NDF}: 17.3/22$

+ sign -824.961 ± 364.135 $\chi^2/\text{NDF}: 42.1/50$

All: -437.654 ± 255.160 $\chi^2/\text{NDF}: 86.9/104$

- sign -64.013 ± 357.653 $\chi^2/\text{NDF}: 42.6/53$

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2137.675 $\pm$ 0.381 χ^2 /NDF: 215374.5/26

Left Out: 2124.437 $\pm$ 0.349 χ^2 /NDF: 89184.0/23

Right Out: 2149.315 $\pm$ 0.364 χ^2 /NDF: 198796.6/30

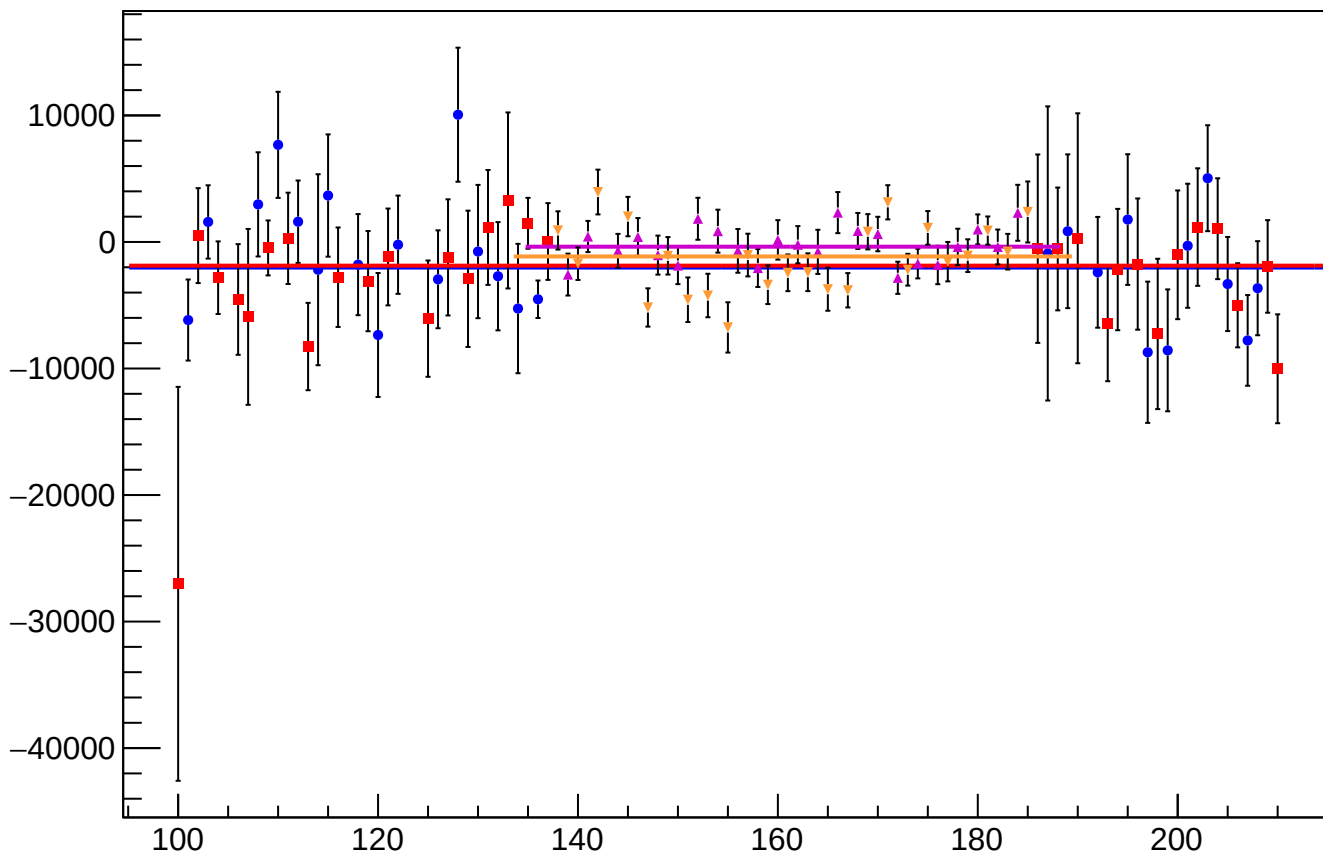
Left In: 2129.897 $\pm$ 0.352 χ^2 /NDF: 85354.4/22

+ sign 2130.473 $\pm$ 0.257 χ^2 /NDF: 305214.3/50

All: 2134.963 $\pm$ 0.180 χ^2 /NDF: 591435.1/104

- sign 2139.295 $\pm$ 0.253 χ^2 /NDF: 285623.3/53

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -2021.158 ± 732.035 χ^2/NDF : 32.6/26

Left Out: -1144.779 ± 302.490 χ^2/NDF : 67.5/23

Right Out: -1871.874 ± 709.161 χ^2/NDF : 20.7/30

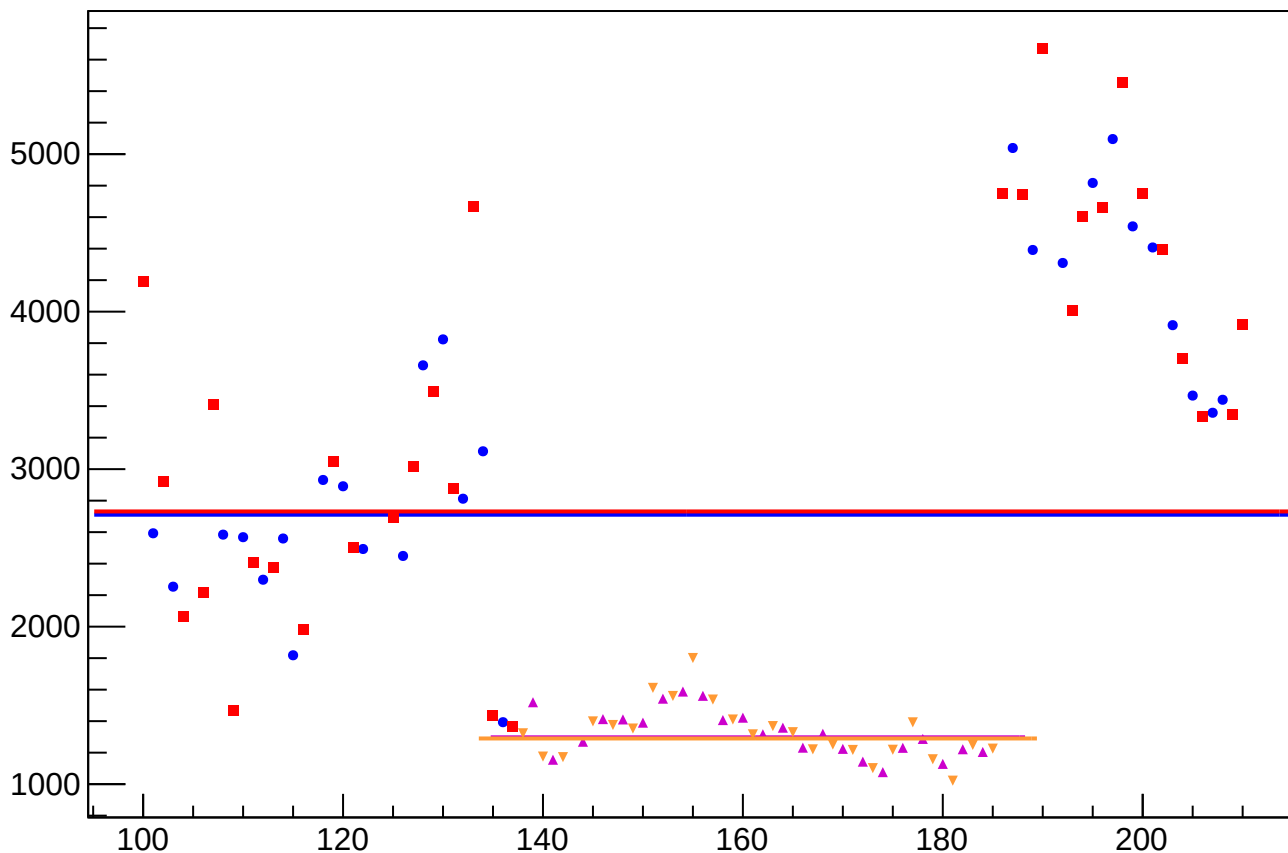
Left In: -373.186 ± 305.379 χ^2/NDF : 20.3/22

+ sign -1272.596 ± 279.563 χ^2/NDF : 101.3/50

All: -941.196 ± 198.004 χ^2/NDF : 149.0/104

- sign -607.621 ± 280.479 χ^2/NDF : 44.8/53

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 2710.777 $\pm$ 0.518 χ^2 /NDF: 4049120.3/26

Left Out: 1290.041 $\pm$ 0.214 χ^2 /NDF: 567883.5/23

Right Out: 2731.424 $\pm$ 0.501 χ^2 /NDF: 5212620.2/30

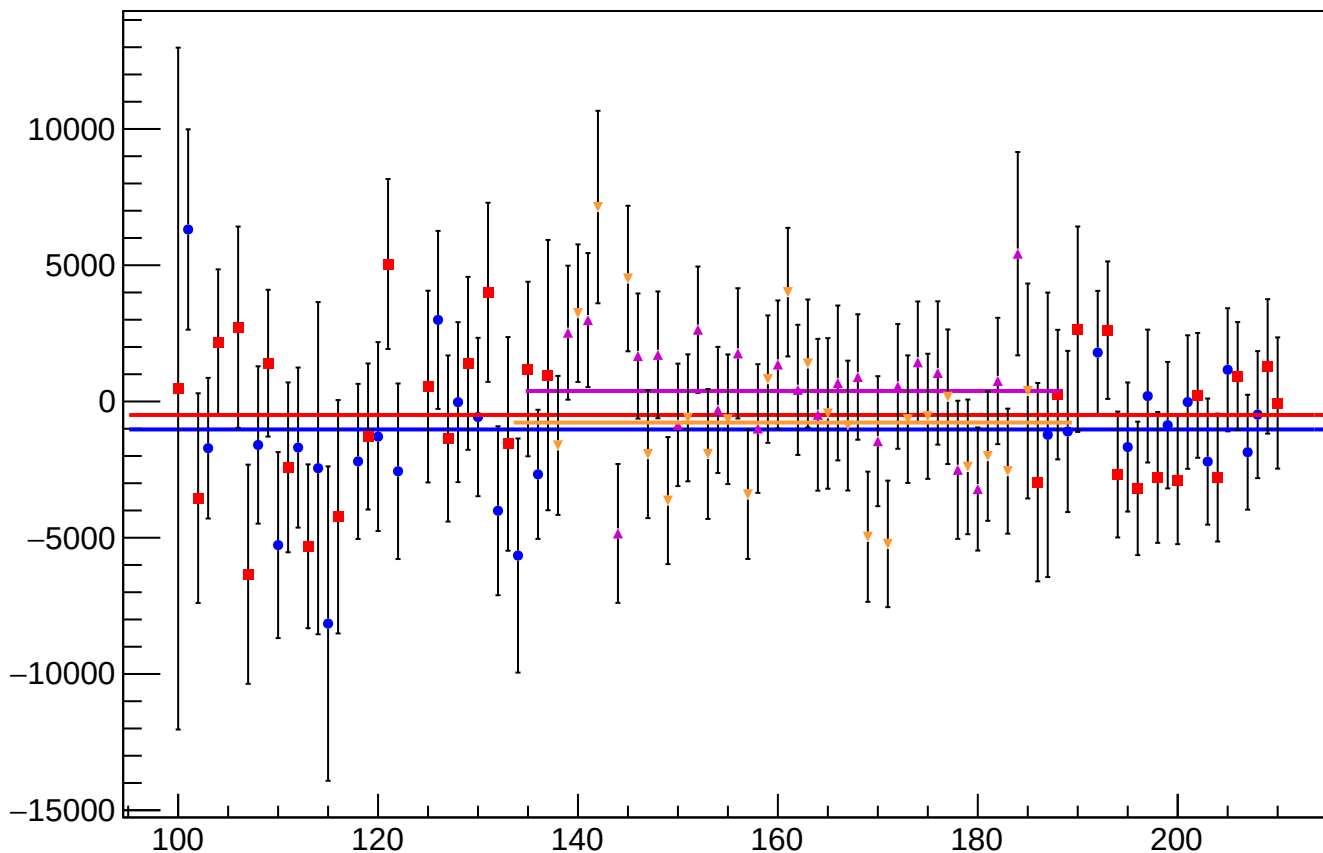
Left In: 1297.458 $\pm$ 0.216 χ^2 /NDF: 434006.2/22

+ sign 1497.249 $\pm$ 0.198 χ^2 /NDF: 11051712.9/50

All: 1509.469 $\pm$ 0.140 χ^2 /NDF: 23604286.8/100

- sign 1521.768 $\pm$ 0.198 χ^2 /NDF: 12544907.4/53

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1026.572 ± 541.750 χ^2/NDF : 15.4/26

Left Out: -773.579 ± 502.816 χ^2/NDF : 28.6/23

Right Out: -494.778 ± 517.749 χ^2/NDF : 23.7/30

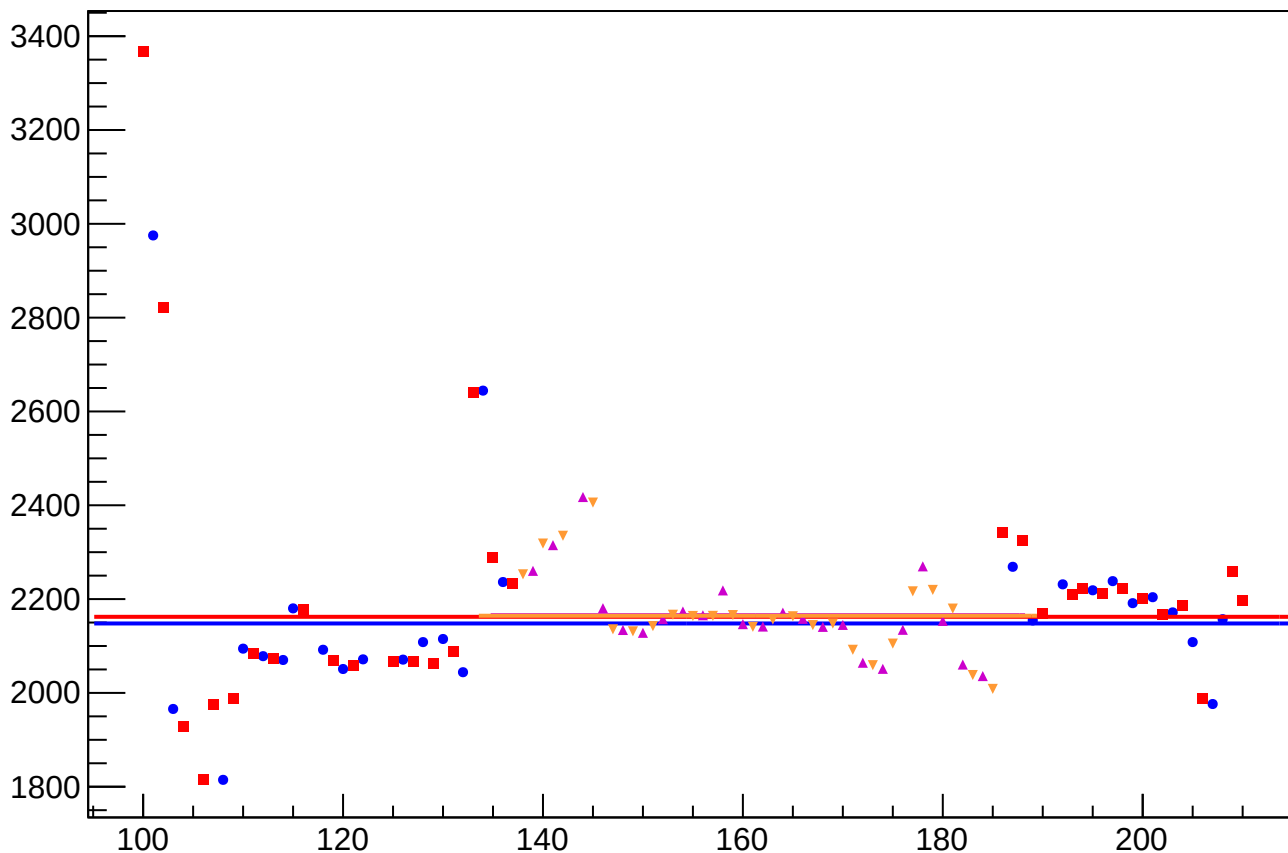
Left In: 385.269 ± 506.052 χ^2/NDF : 15.6/22

+ sign -890.659 ± 368.541 χ^2/NDF : 44.0/50

All: -459.986 ± 258.217 χ^2/NDF : 87.6/104

- sign -44.702 ± 361.897 χ^2/NDF : 40.8/53

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2148.029 $\pm$ 0.383 χ^2 /NDF: 201016.8/26

Left Out: 2164.532 $\pm$ 0.356 χ^2 /NDF: 50676.3/23

Right Out: 2162.214 $\pm$ 0.366 χ^2 /NDF: 207996.5/30

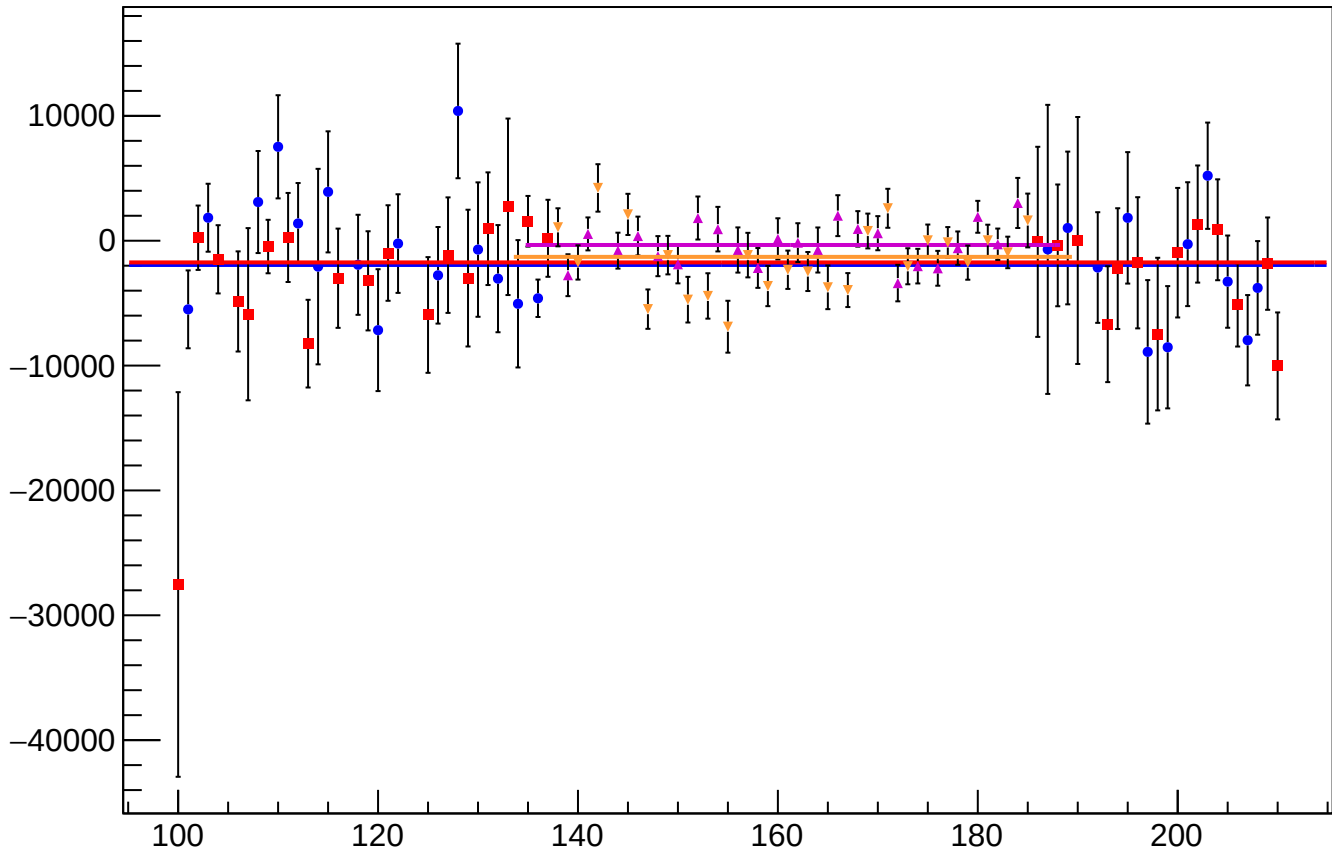
Left In: 2165.643 $\pm$ 0.358 χ^2 /NDF: 52124.5/22

+ sign 2156.895 $\pm$ 0.261 χ^2 /NDF: 252690.1/50

All: 2160.496 $\pm$ 0.183 χ^2 /NDF: 513231.0/104

- sign 2163.968 $\pm$ 0.256 χ^2 /NDF: 260165.8/53

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug



Right In: -1940.054 $\pm$ 732.705 χ^2/NDF : 32.9/26

Left Out: -1293.716 $\pm$ 310.622 χ^2/NDF : 58.7/23

Right Out: -1737.374 $\pm$ 694.840 χ^2/NDF : 21.3/30

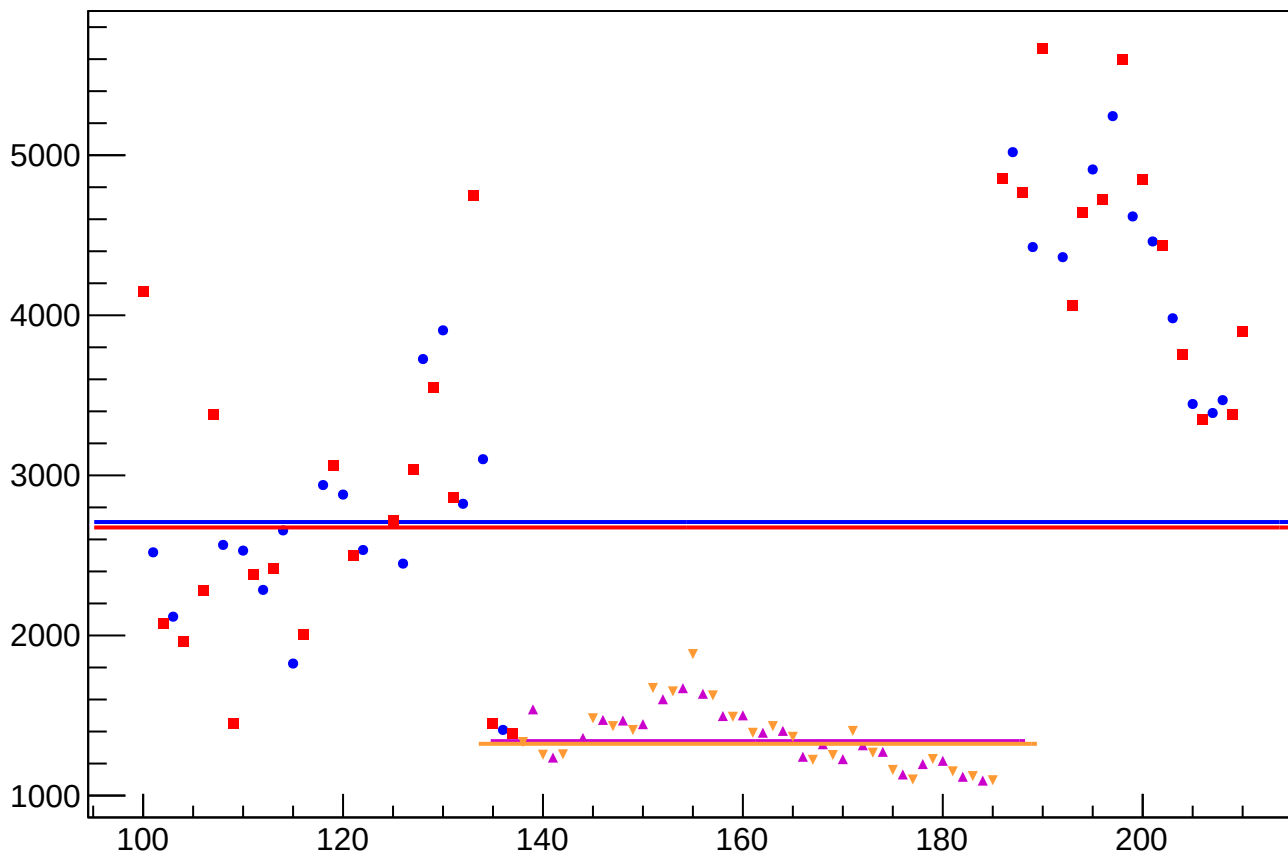
Left In: -341.259 $\pm$ 315.566 χ^2/NDF : 24.8/22

+ sign -1392.182 $\pm$ 285.984 χ^2/NDF : 92.3/50

All: -987.978 $\pm$ 202.693 χ^2/NDF : 145.7/104

- sign -579.980 $\pm$ 287.323 χ^2/NDF : 49.4/53

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2708.642 $\pm$ 0.518 χ^2 /NDF: 4137044.6/26

Left Out: 1323.402 $\pm$ 0.220 χ^2 /NDF: 663859.2/23

Right Out: 2674.654 $\pm$ 0.491 χ^2 /NDF: 5457207.0/30

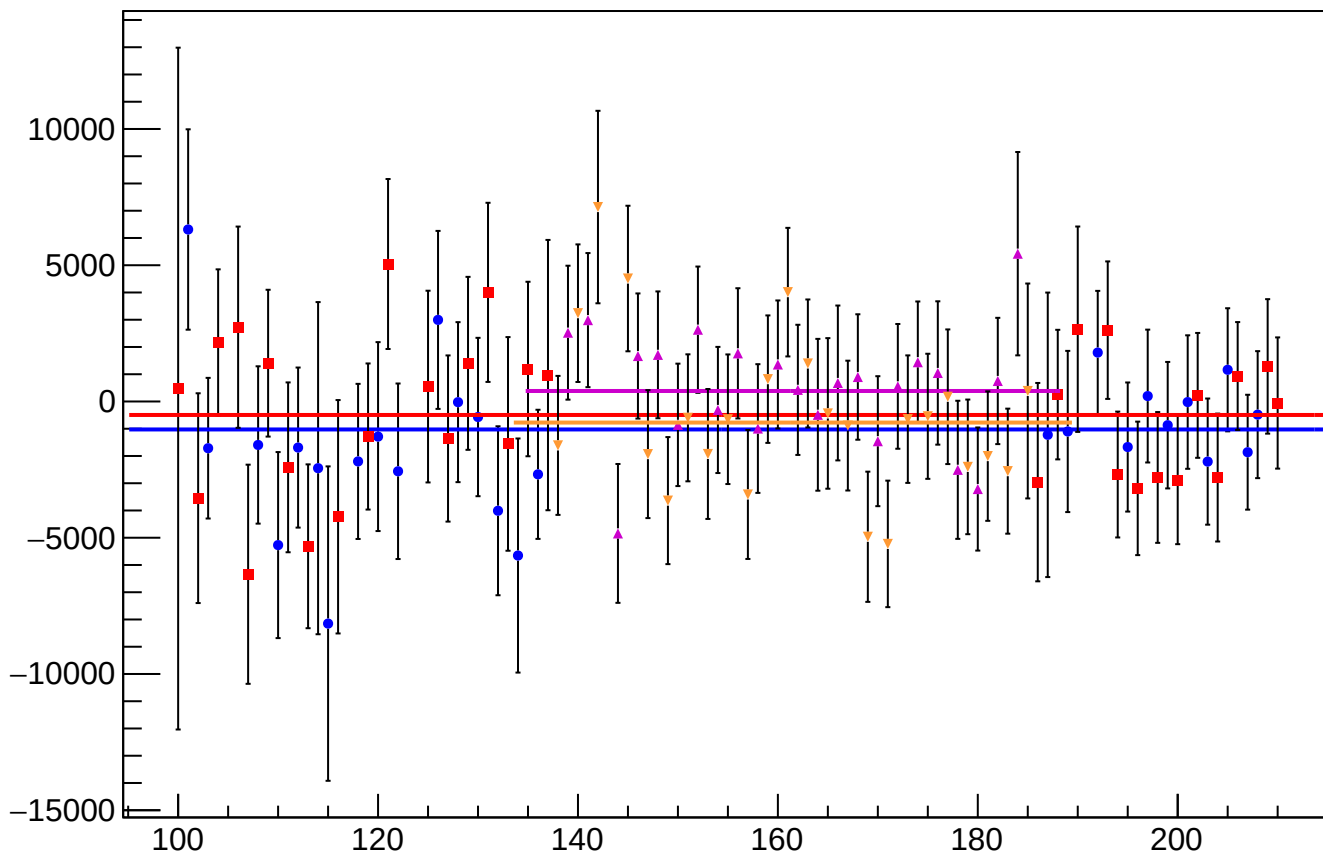
Left In: 1340.084 $\pm$ 0.223 χ^2 /NDF: 494267.4/22

+ sign 1534.435 $\pm$ 0.202 χ^2 /NDF: 10860461.3/50

All: 1551.280 $\pm$ 0.143 χ^2 /NDF: 22942372.6/100

- sign 1568.282 $\pm$ 0.203 χ^2 /NDF: 12067969.2/53

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1026.569 ± 541.750 $\chi^2/\text{NDF}: 15.4/26$

Left Out: -773.576 ± 502.816 $\chi^2/\text{NDF}: 28.6/23$

Right Out: -494.775 ± 517.749 $\chi^2/\text{NDF}: 23.7/30$

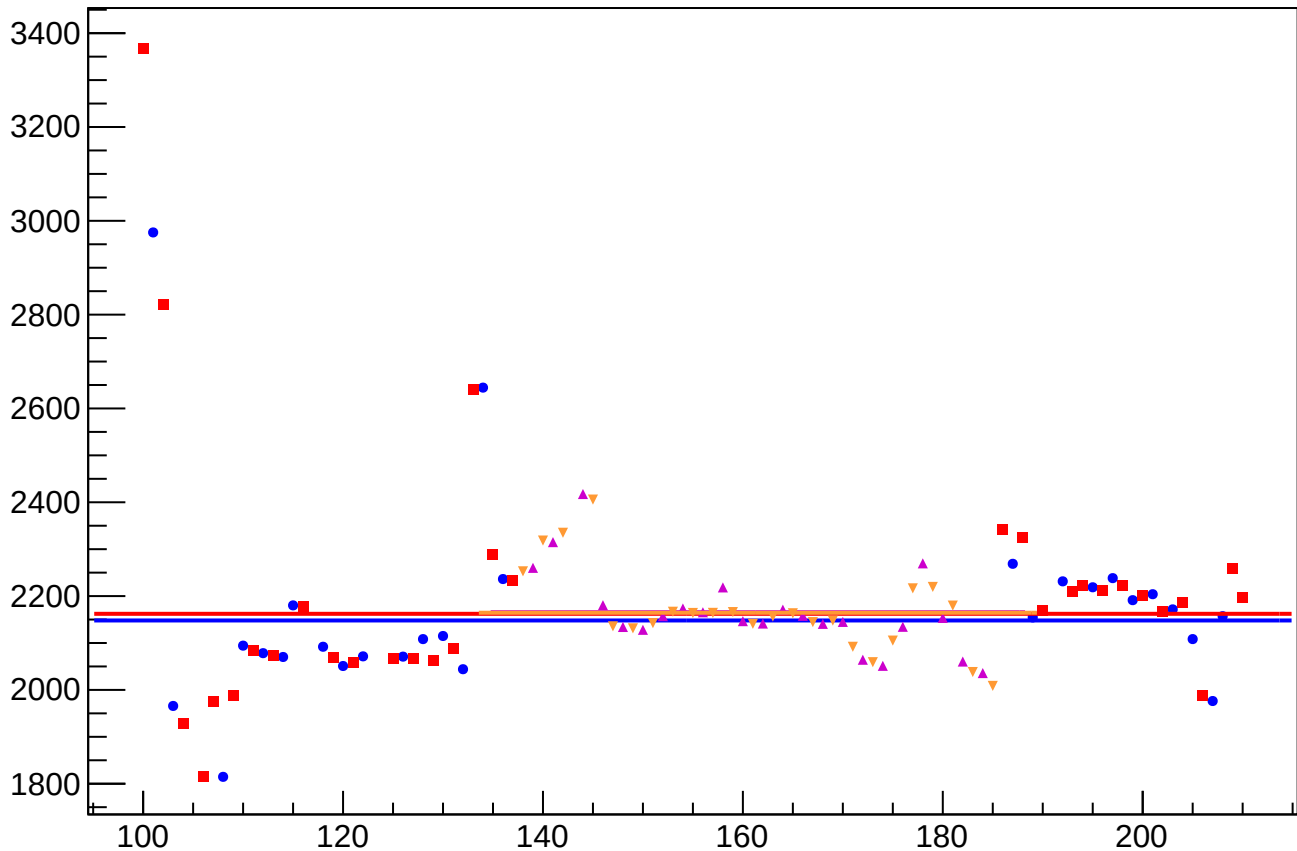
Left In: 385.269 ± 506.052 $\chi^2/\text{NDF}: 15.6/22$

+ sign -890.656 ± 368.541 $\chi^2/\text{NDF}: 44.0/50$

All: -459.985 ± 258.217 $\chi^2/\text{NDF}: 87.6/104$

- sign -44.701 ± 361.897 $\chi^2/\text{NDF}: 40.8/53$

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2148.029 $\pm$ 0.383 χ^2 /NDF: 201016.7/26

Left Out: 2164.532 $\pm$ 0.356 χ^2 /NDF: 50676.3/23

Right Out: 2162.214 $\pm$ 0.366 χ^2 /NDF: 207996.4/30

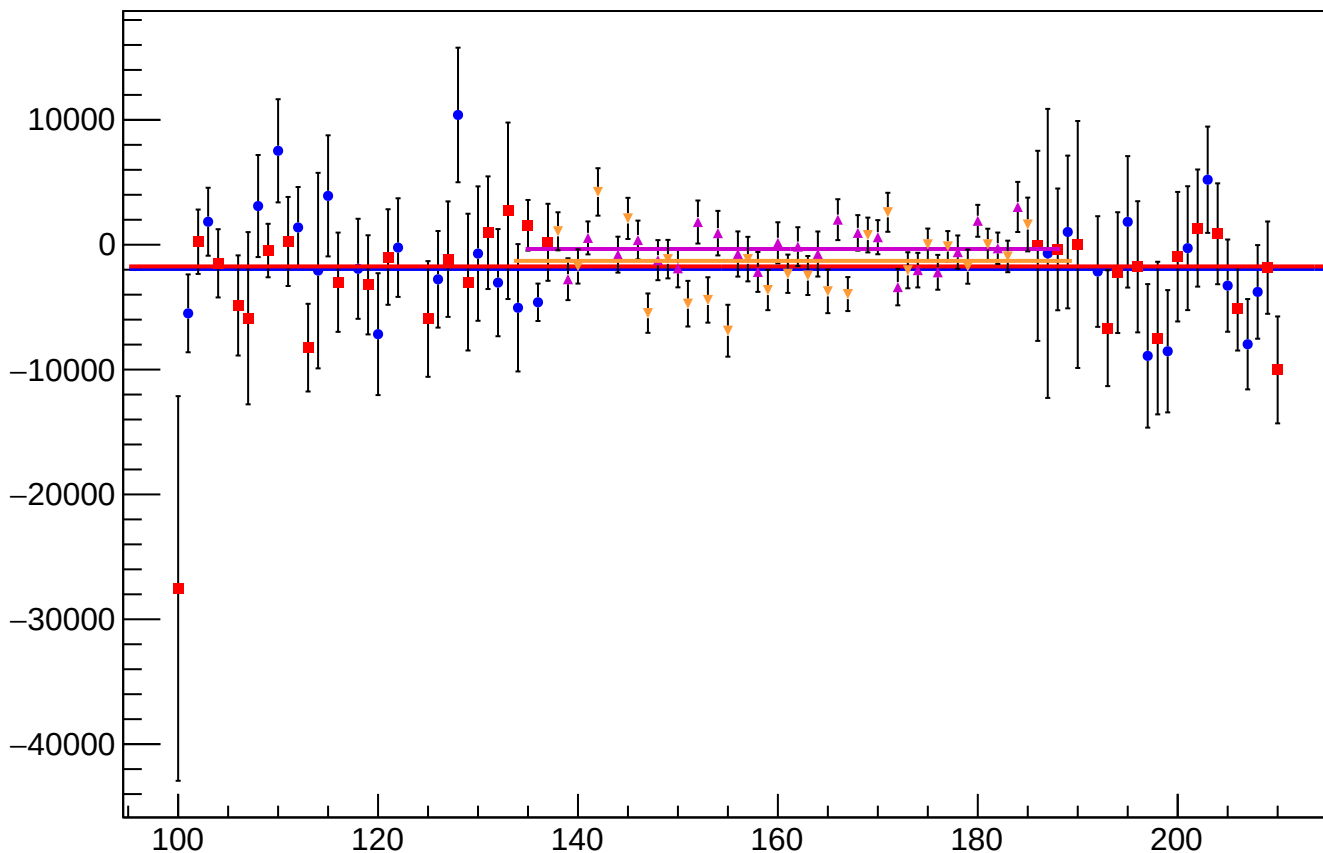
Left In: 2165.643 $\pm$ 0.358 χ^2 /NDF: 52124.4/22

+ sign 2156.895 $\pm$ 0.261 χ^2 /NDF: 252690.1/50

All: 2160.495 $\pm$ 0.183 χ^2 /NDF: 513230.8/104

- sign 2163.968 $\pm$ 0.256 χ^2 /NDF: 260165.7/53

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -1940.047 ± 732.707 χ^2/NDF : 32.9/26

Left Out: -1293.717 ± 310.622 χ^2/NDF : 58.7/23

Right Out: -1737.387 ± 694.842 χ^2/NDF : 21.3/30

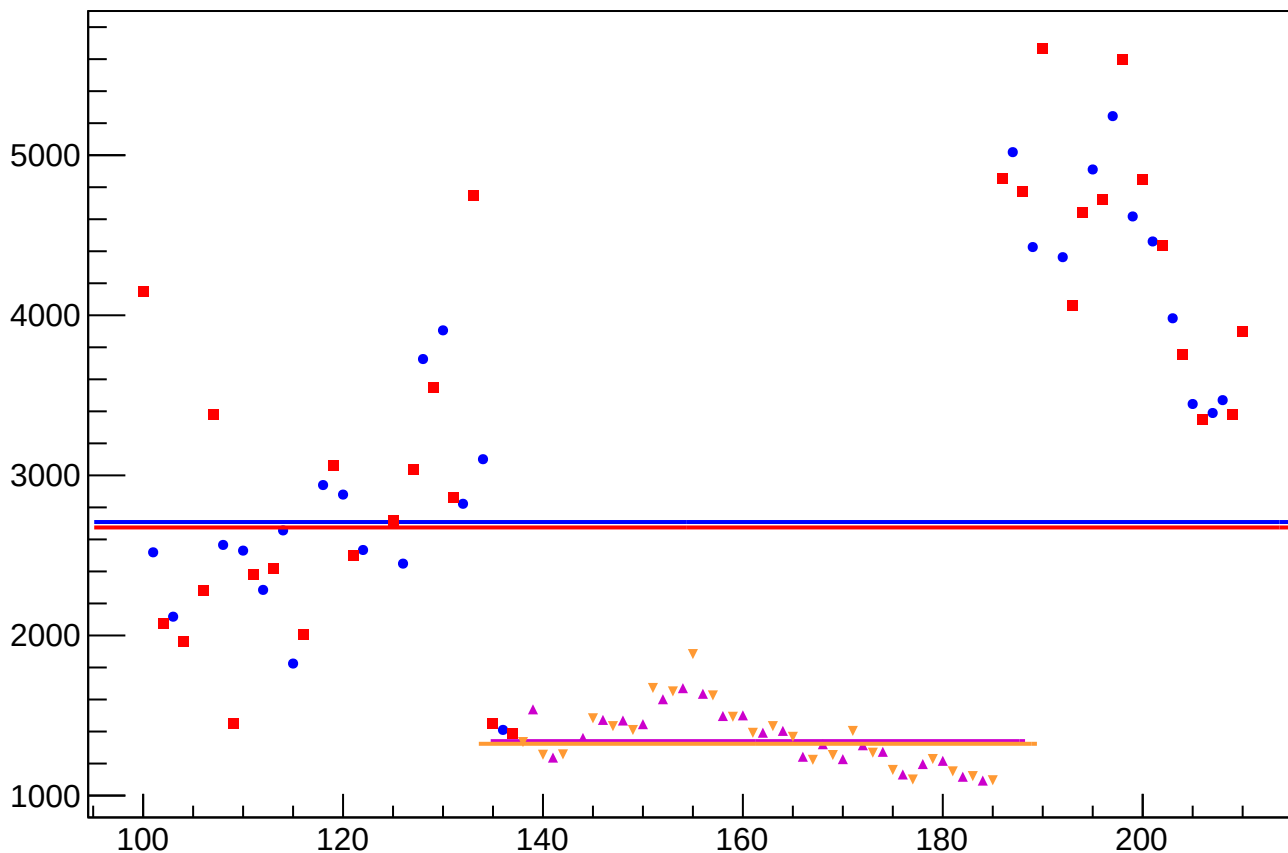
Left In: -341.256 ± 315.566 χ^2/NDF : 24.8/22

+ sign -1392.181 ± 285.984 χ^2/NDF : 92.3/50

All: -987.976 ± 202.693 χ^2/NDF : 145.7/104

- sign -579.979 ± 287.323 χ^2/NDF : 49.4/53

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 2708.653+/-0.518 χ^2/NDF : 4136948.1/26

Left Out: 1323.402+/-0.220 χ^2/NDF : 663857.6/23

Right Out: 2674.666+/-0.491 χ^2/NDF : 5457115.0/30

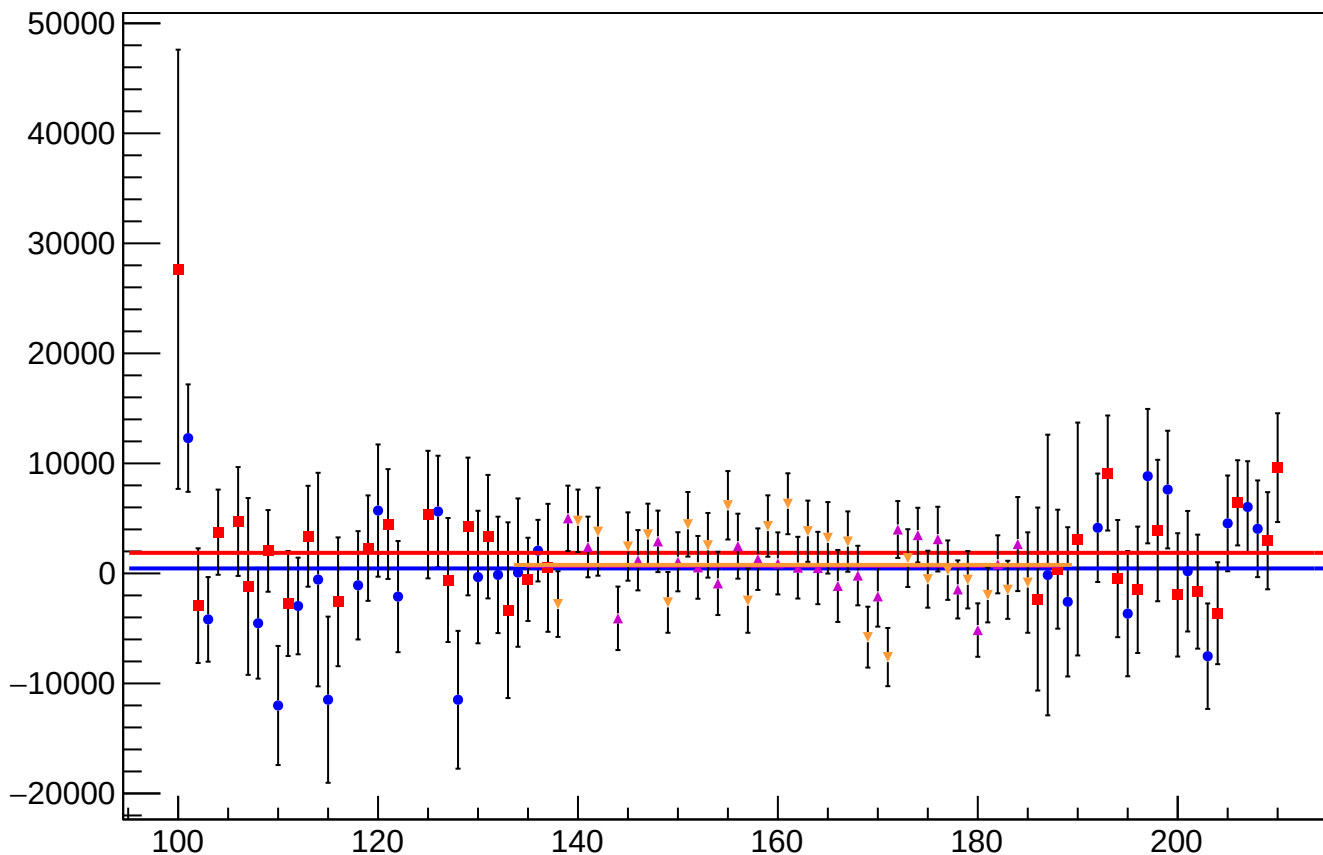
Left In: 1340.083+/-0.223 χ^2/NDF : 494276.1/22

+ sign 1534.436+/-0.202 χ^2/NDF : 10860438.0/50

All: 1551.280+/-0.143 χ^2/NDF : 22942361.6/100

- sign 1568.282+/-0.203 χ^2/NDF : 12067982.7/53

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 453.259 $\pm$ 976.144 χ^2 /NDF: 34.0/26

Left Out: 774.788 $\pm$ 583.692 χ^2 /NDF: 39.3/23

Right Out: 1868.944 $\pm$ 940.042 χ^2 /NDF: 15.9/30

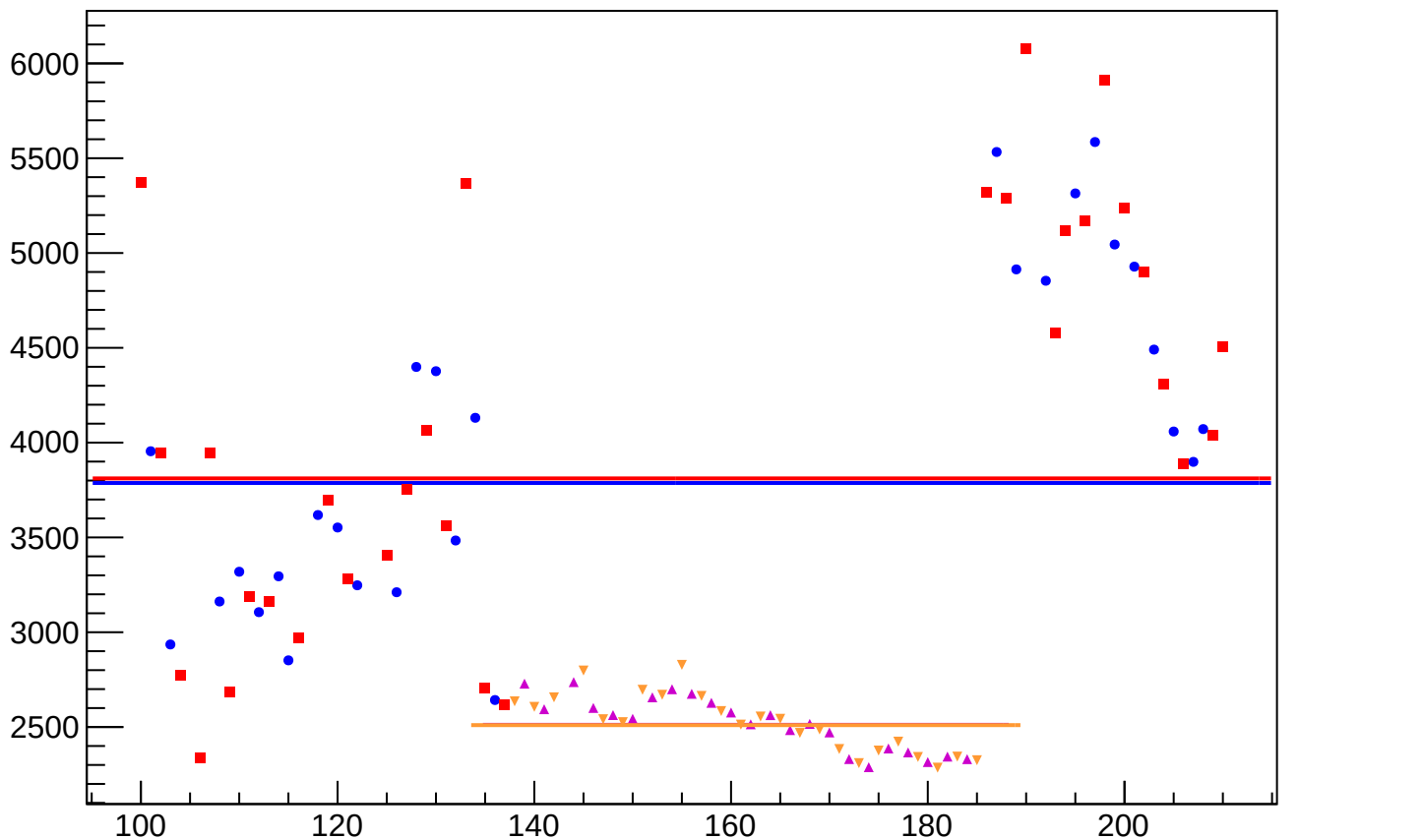
Left In: 689.981 $\pm$ 587.431 χ^2 /NDF: 18.3/22

+ sign 690.103 $\pm$ 500.963 χ^2 /NDF: 73.4/50

All: 856.515 $\pm$ 353.240 χ^2 /NDF: 109.0/104

- sign 1021.073 $\pm$ 498.163 χ^2 /NDF: 35.4/53

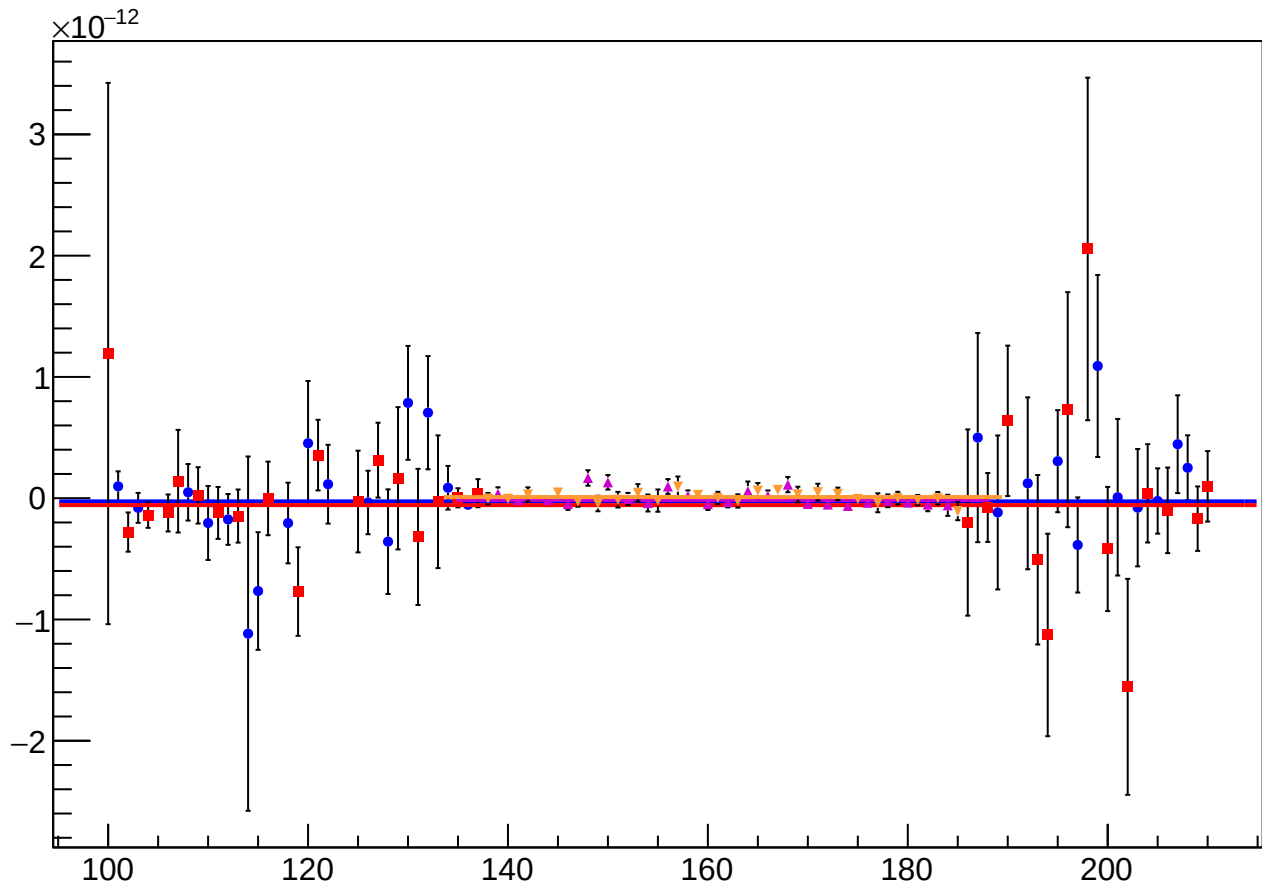
asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3787.086 $\pm$ 0.690 χ^2 /NDF: 1430317.1/26
 Left Out: 2510.069 $\pm$ 0.413 χ^2 /NDF:128632.5/23
 Right Out: 3811.223 $\pm$ 0.665 χ^2 /NDF: 2089463.8/30
 Left In: 2511.613 $\pm$ 0.415 χ^2 /NDF:113485.5/22

+ sign 2846.411 $\pm$ 0.354 χ^2 /NDF: 4080338.8/50
 All: 2861.585 $\pm$ 0.250 χ^2 /NDF: 9036077.3/10
 - sign 2876.591 $\pm$ 0.352 χ^2 /NDF: 4952088.7/53

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.8/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:12.2/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.7/30

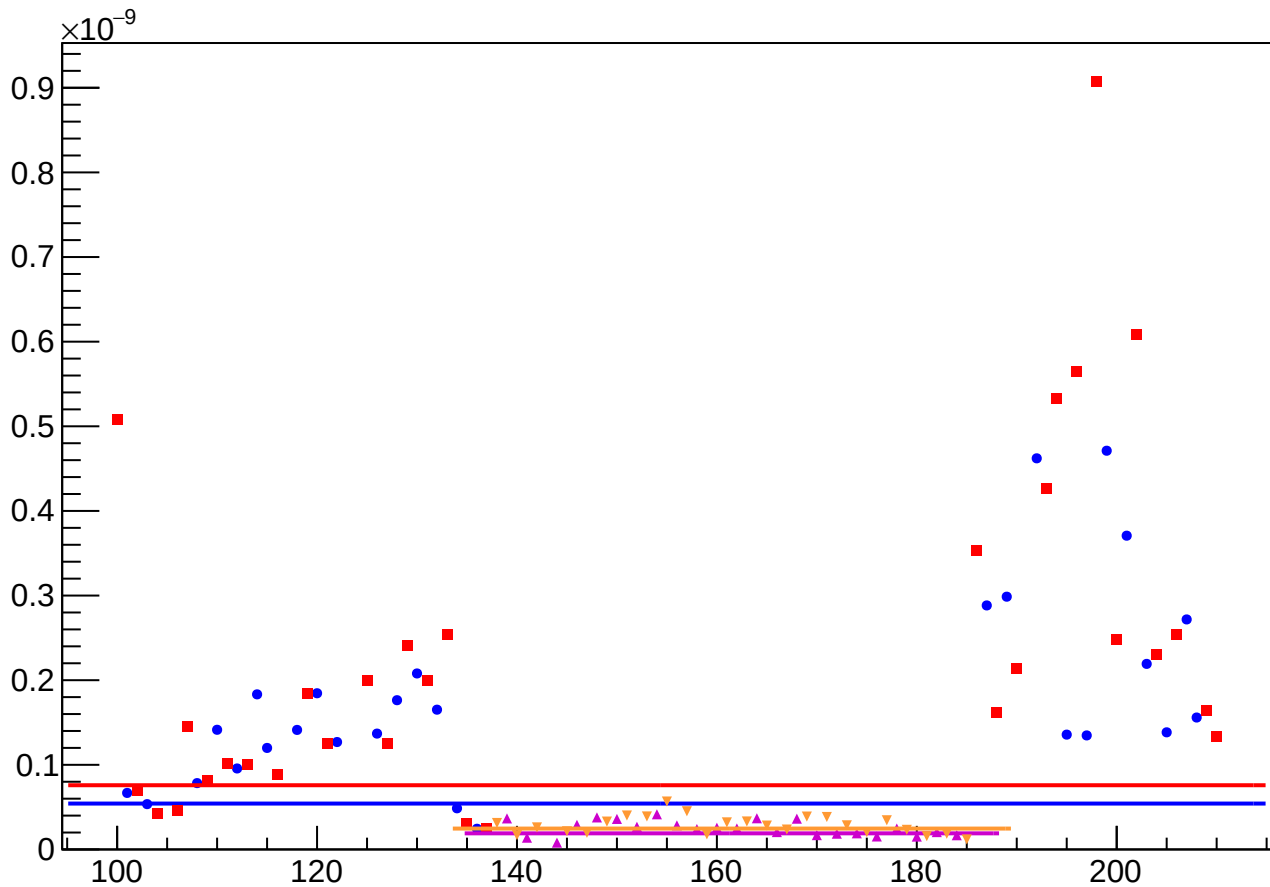
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:30.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33.0/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 90.7/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.7/53

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6076286.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1413212.9/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 7331014.1/30

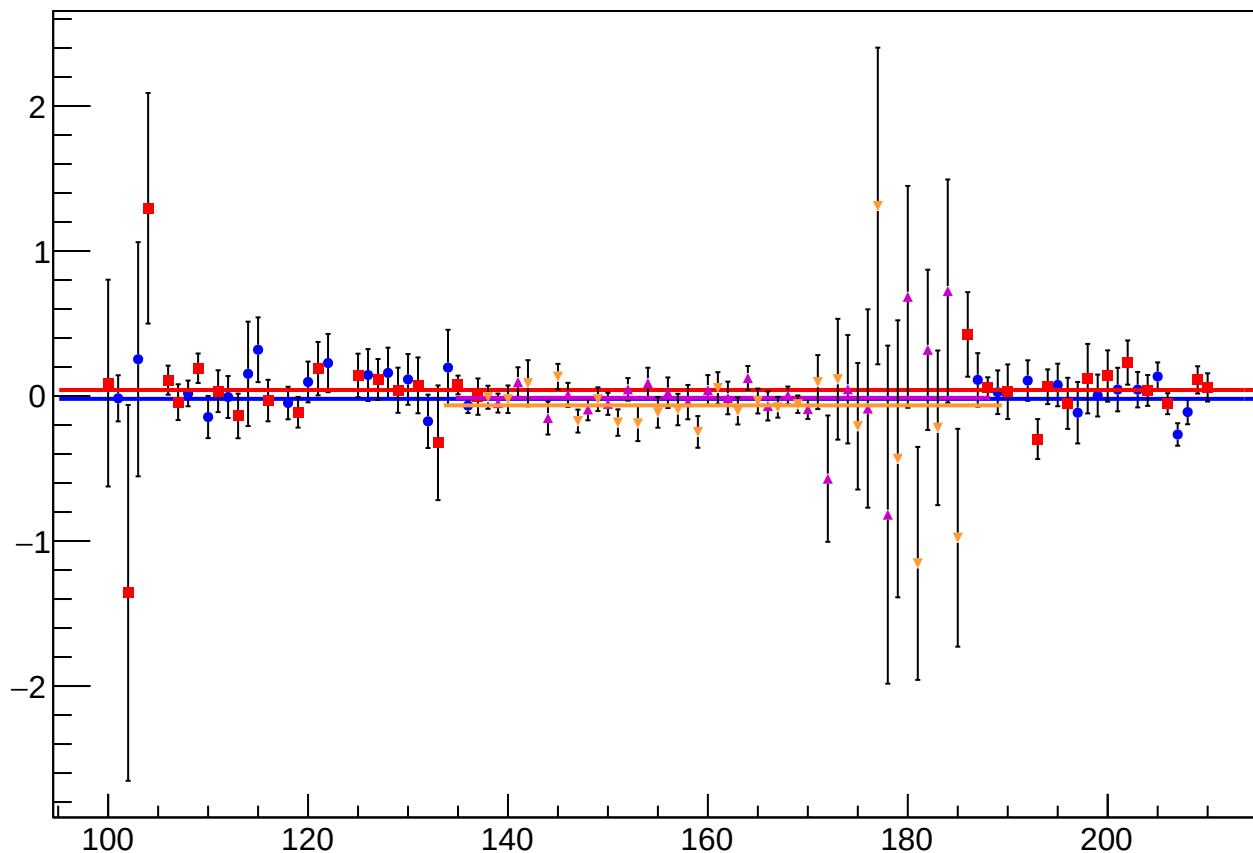
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2190334.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 8942373.7/50

All: 0.000 $\pm$ 0.000 χ^2/NDF : 22579420.0/104

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 13231333.8/53

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020 ± 0.024 χ^2/NDF : 26.8/26

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.042 ± 0.022 χ^2/NDF : 25.4/30

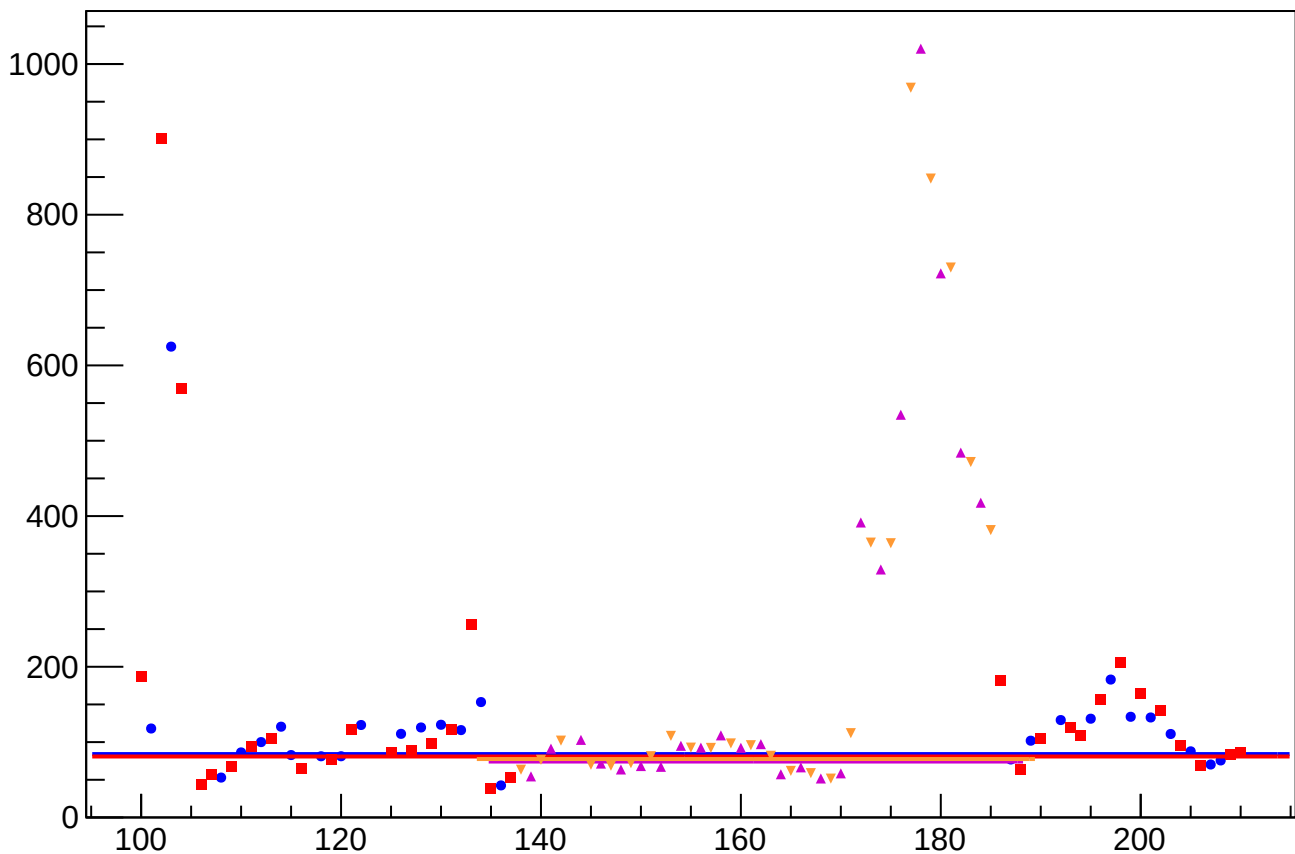
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.044 ± 0.016 χ^2/NDF : 51.0/50

All: -0.014 ± 0.011 χ^2/NDF : 101.0/104

- sign 0.013 ± 0.015 χ^2/NDF : 43.6/53

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 84.113 $\pm$ 0.017 χ^2 /NDF: 4589079.0/26

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF:8331194.0/23

Right Out: 80.911 $\pm$ 0.016 χ^2 /NDF: 6051647.7/30

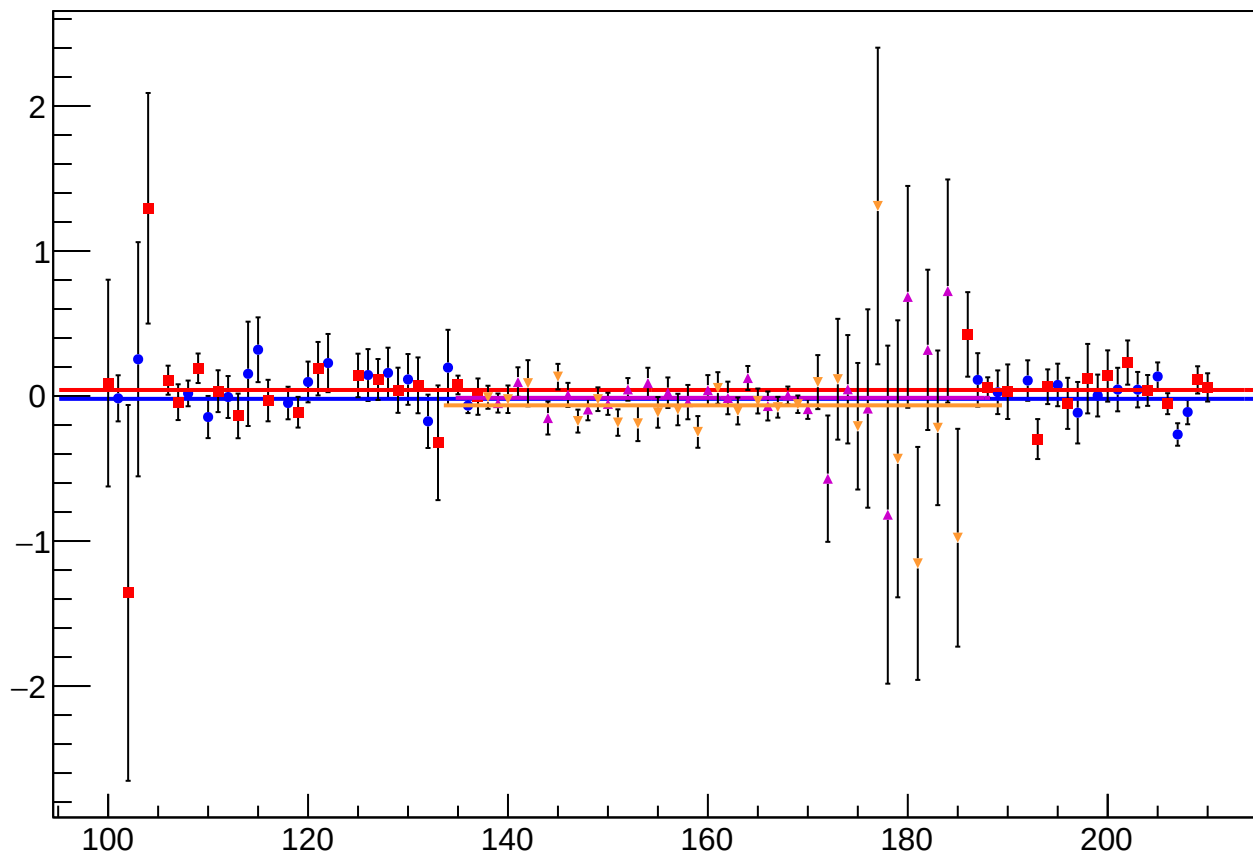
Left In: 74.216 $\pm$ 0.015 χ^2 /NDF:8514080.5/22

+ sign 80.546 $\pm$ 0.012 χ^2 /NDF: 13001410.3/50

All: 78.862 $\pm$ 0.008 χ^2 /NDF: 27701905.1/104

- sign 77.356 $\pm$ 0.011 χ^2 /NDF: 14659944.9/53

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020 ± 0.024 χ^2/NDF : 26.8/26

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.042 ± 0.022 χ^2/NDF : 25.4/30

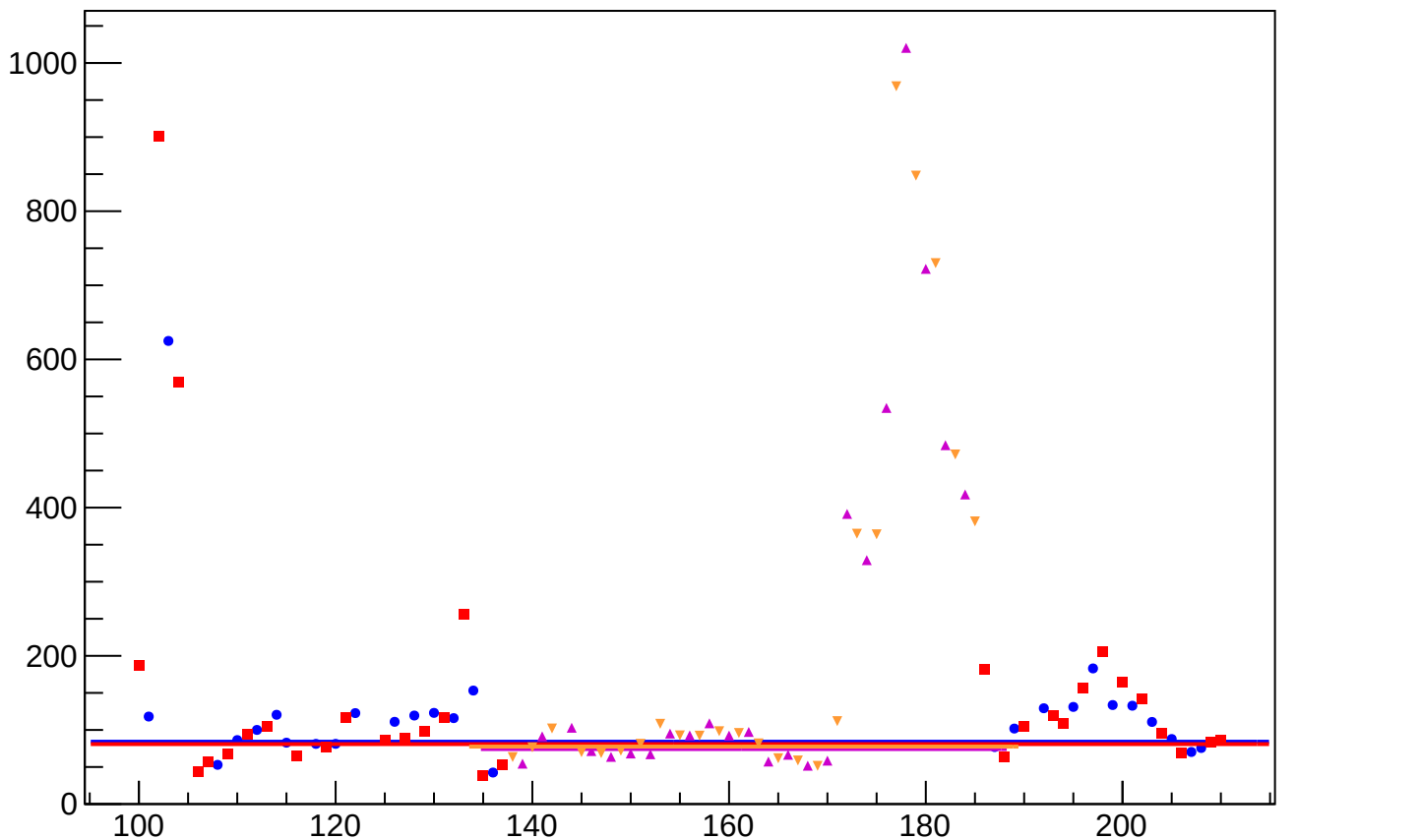
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.044 ± 0.016 χ^2/NDF : 51.0/50

All: -0.014 ± 0.011 χ^2/NDF : 101.0/104

- sign 0.013 ± 0.015 χ^2/NDF : 43.6/53

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 84.113+/-0.017 χ^2/NDF : 4589079.0/26

Left Out: 77.533+/-0.016 χ^2/NDF : 8331194.0/23

Right Out: 80.911+/-0.016 χ^2/NDF : 6051647.7/30

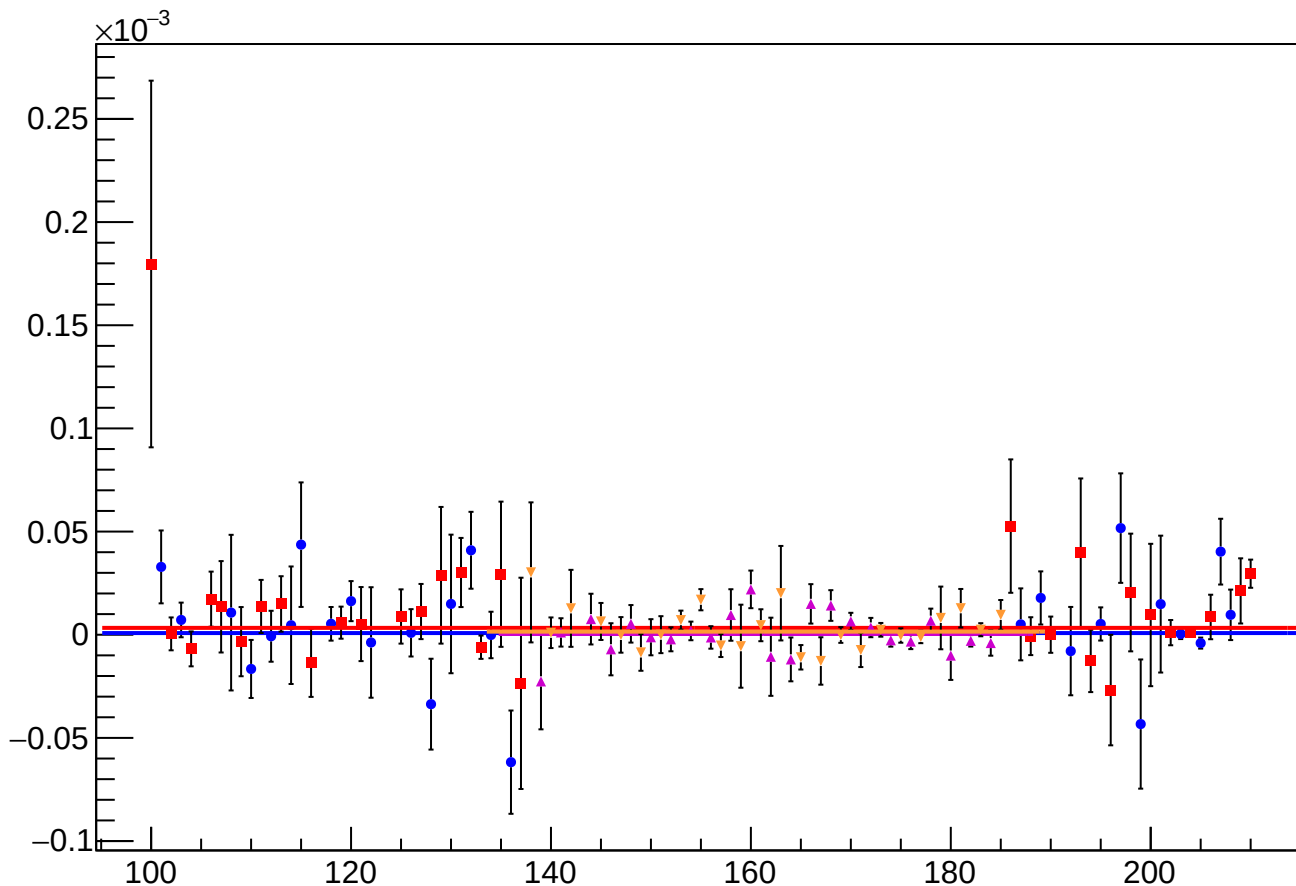
Left In: 74.216+/-0.015 χ^2/NDF : 8514080.5/22

+ sign 80.546+/-0.012 χ^2/NDF : 13001410.3/50

All: 78.862+/-0.008 χ^2/NDF : 27701905.1/104

- sign 77.356+/-0.011 χ^2/NDF : 14659944.9/53

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.0/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.6/30

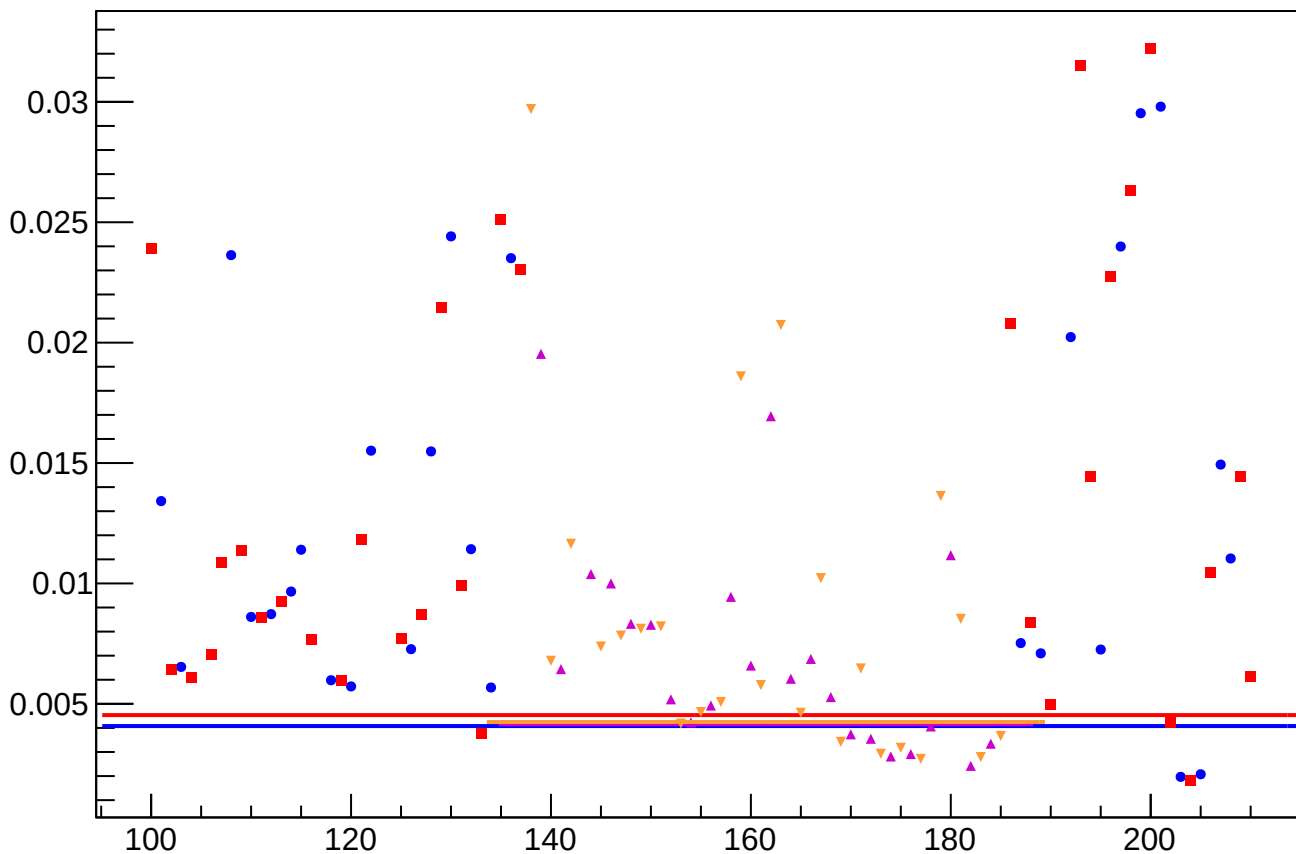
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 69.2/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 136.9/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67.6/53

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 14892853.0/26

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:8650909.7/23

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 14862297.7/30

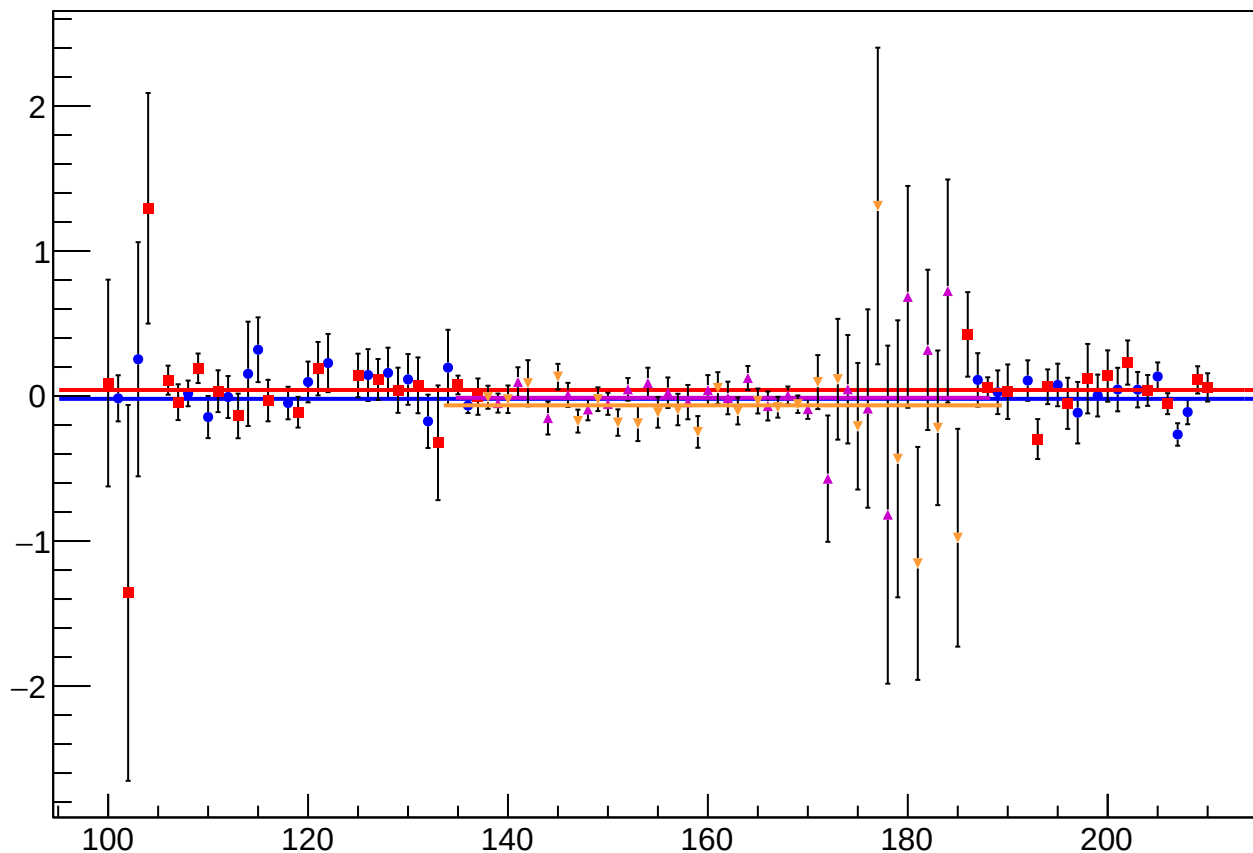
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:6886421.5/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 23559008.7/50

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 45401646.4/104

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 21827298.2/53

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.020 ± 0.024 χ^2/NDF : 26.8/26

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.042 ± 0.022 χ^2/NDF : 25.4/30

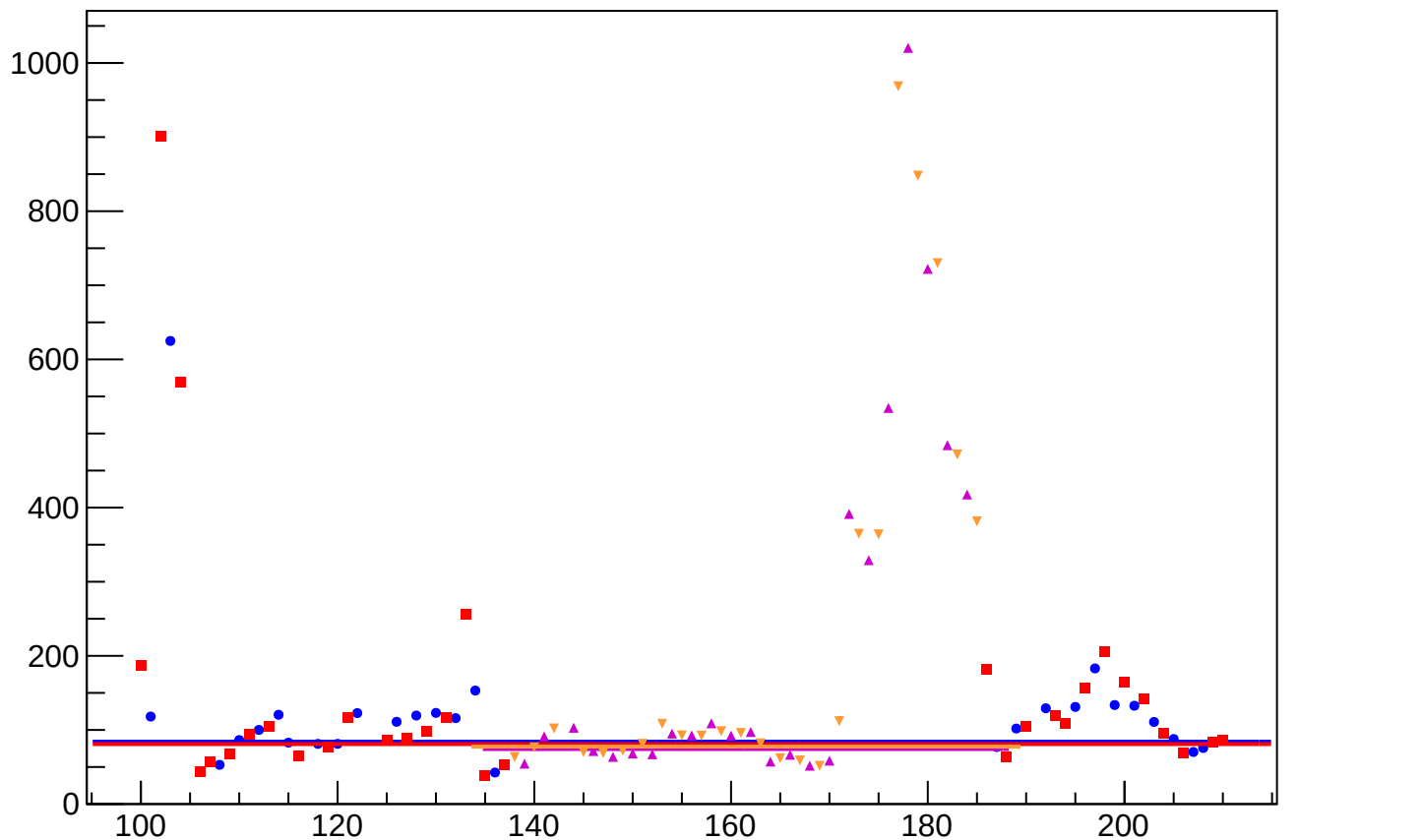
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.044 ± 0.016 χ^2/NDF : 51.0/50

All: -0.014 ± 0.011 χ^2/NDF : 101.0/104

- sign 0.013 ± 0.015 χ^2/NDF : 43.6/53

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 84.128 $\pm$ 0.017 χ^2 /NDF: 4585706.7/26

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF:8331106.7/23

Right Out: 80.904 $\pm$ 0.016 χ^2 /NDF: 6053244.6/30

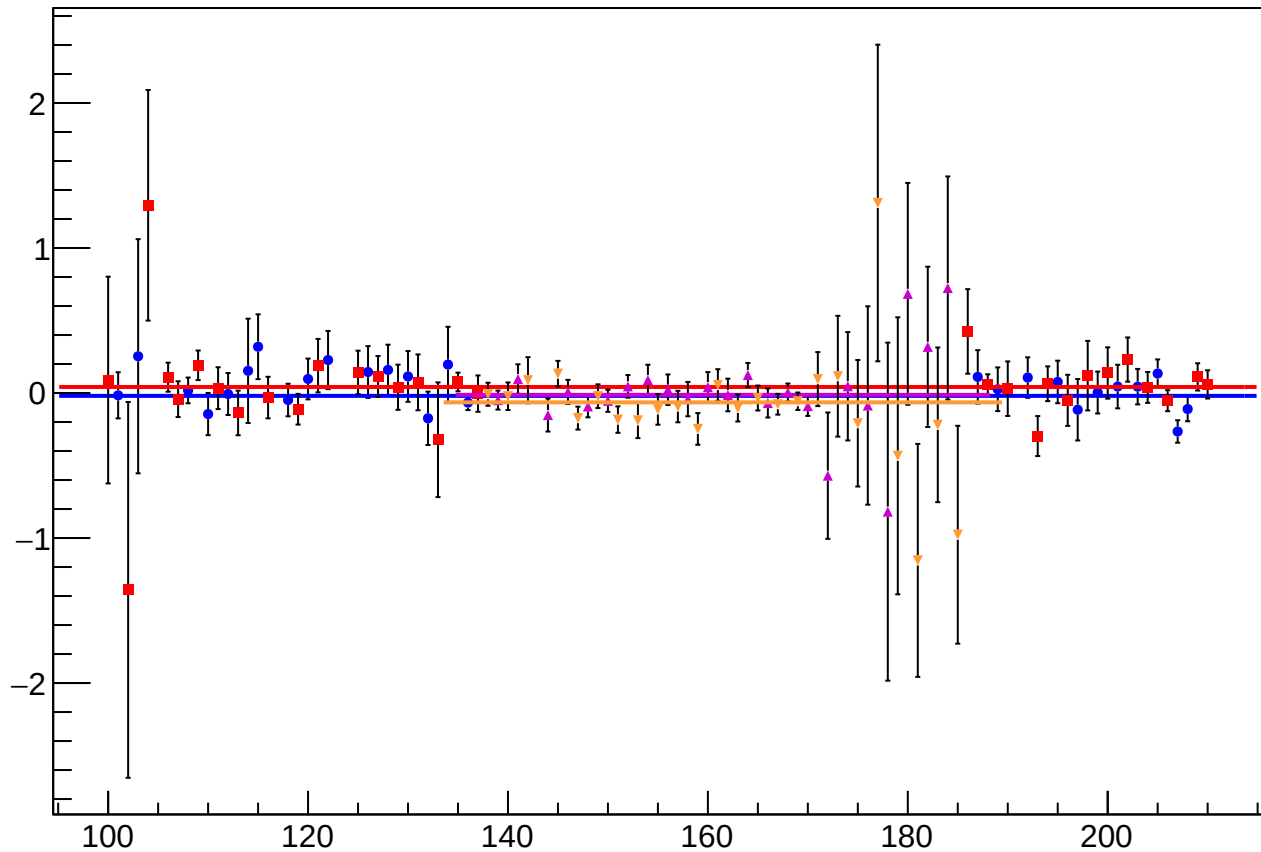
Left In: 74.217 $\pm$ 0.015 χ^2 /NDF:8513791.3/22

+ sign 80.553 $\pm$ 0.012 χ^2 /NDF: 12998335.7/50

All: 78.864 $\pm$ 0.008 χ^2 /NDF: 27700150.3/104

- sign 77.354 $\pm$ 0.011 χ^2 /NDF: 14661042.9/53

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020 ± 0.024 $\chi^2/\text{NDF}: 26.8/26$

Left Out: -0.064 ± 0.022 $\chi^2/\text{NDF}: 22.3/23$

Right Out: 0.042 ± 0.022 $\chi^2/\text{NDF}: 25.4/30$

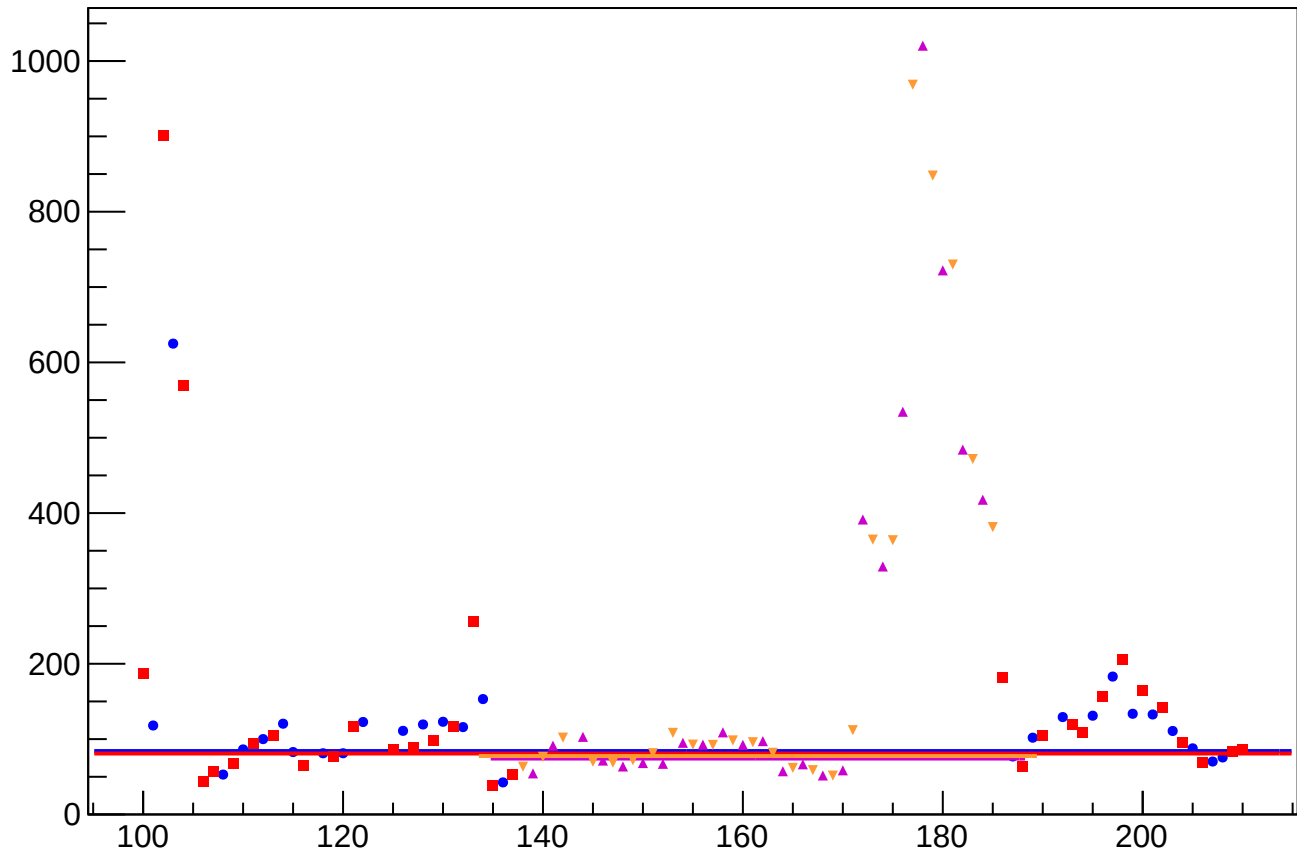
Left In: -0.013 ± 0.021 $\chi^2/\text{NDF}: 15.0/22$

+ sign -0.044 ± 0.016 $\chi^2/\text{NDF}: 51.0/50$

All: -0.014 ± 0.011 $\chi^2/\text{NDF}: 101.0/104$

- sign 0.013 ± 0.015 $\chi^2/\text{NDF}: 43.6/53$

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 84.128 $\pm$ 0.017 χ^2 /NDF: 4585706.7/26

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF: 8331106.7/23

Right Out: 80.904 $\pm$ 0.016 χ^2 /NDF: 6053244.6/30

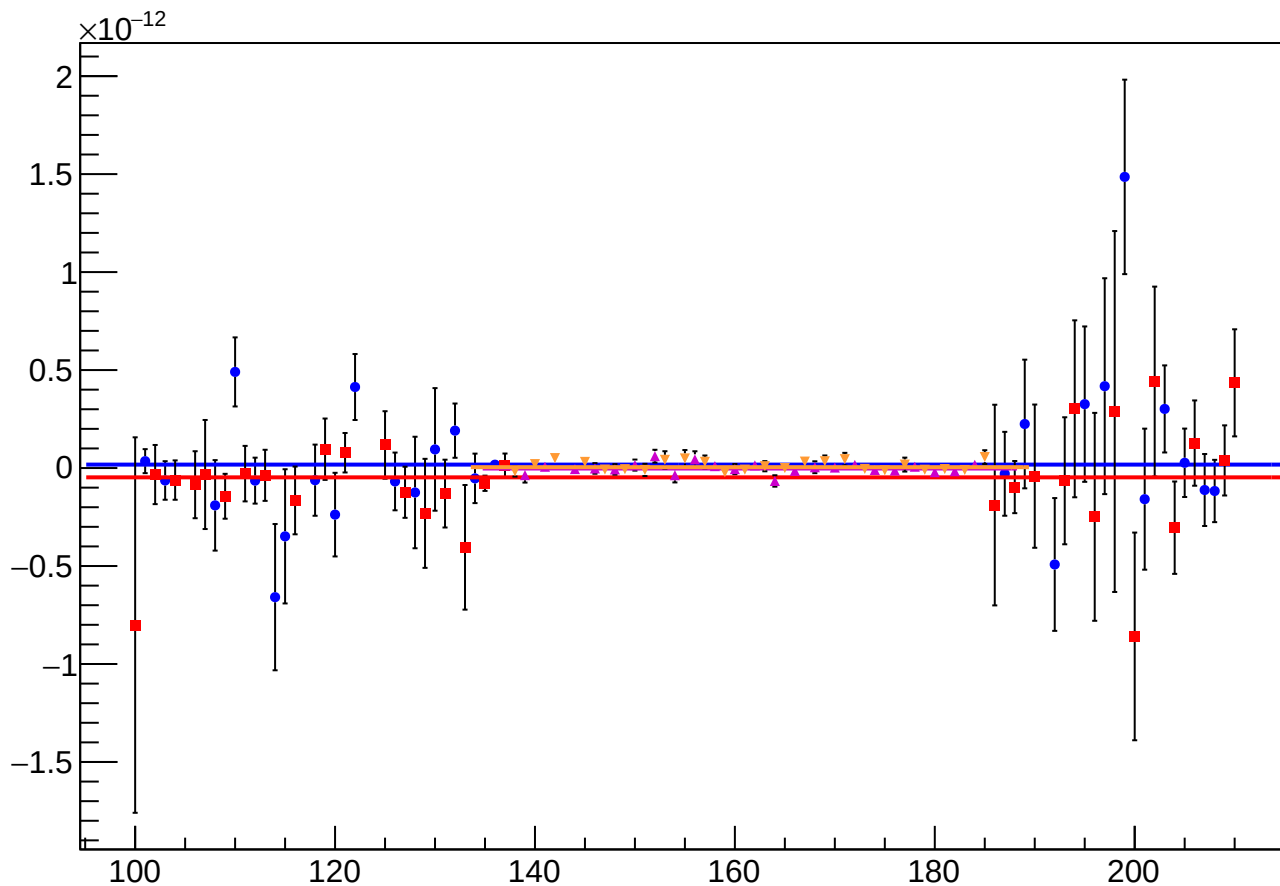
Left In: 74.217 $\pm$ 0.015 χ^2 /NDF: 8513791.3/22

+ sign 80.553 $\pm$ 0.012 χ^2 /NDF: 12998335.7/50

All: 78.864 $\pm$ 0.008 χ^2 /NDF: 27700150.3/104

- sign 77.354 $\pm$ 0.011 χ^2 /NDF: 14661042.9/53

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 39.1/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.7/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.7/30

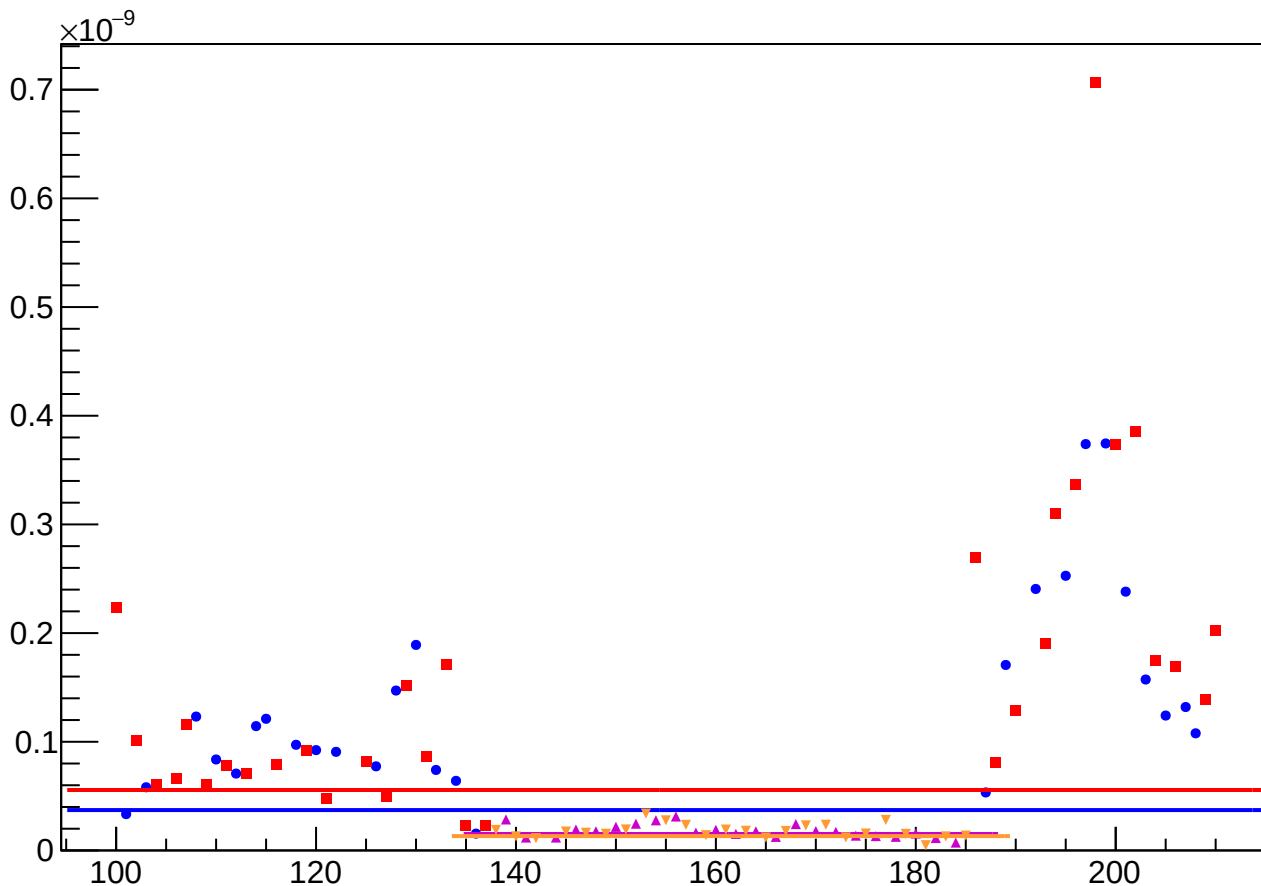
Left In: -0.000 ± 0.000 χ^2/NDF : 17.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 61.2/50

All: 0.000 ± 0.000 χ^2/NDF : 103.2/104

- sign -0.000 ± 0.000 χ^2/NDF : 39.8/53

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10328342.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:4237321.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9957733.0/30

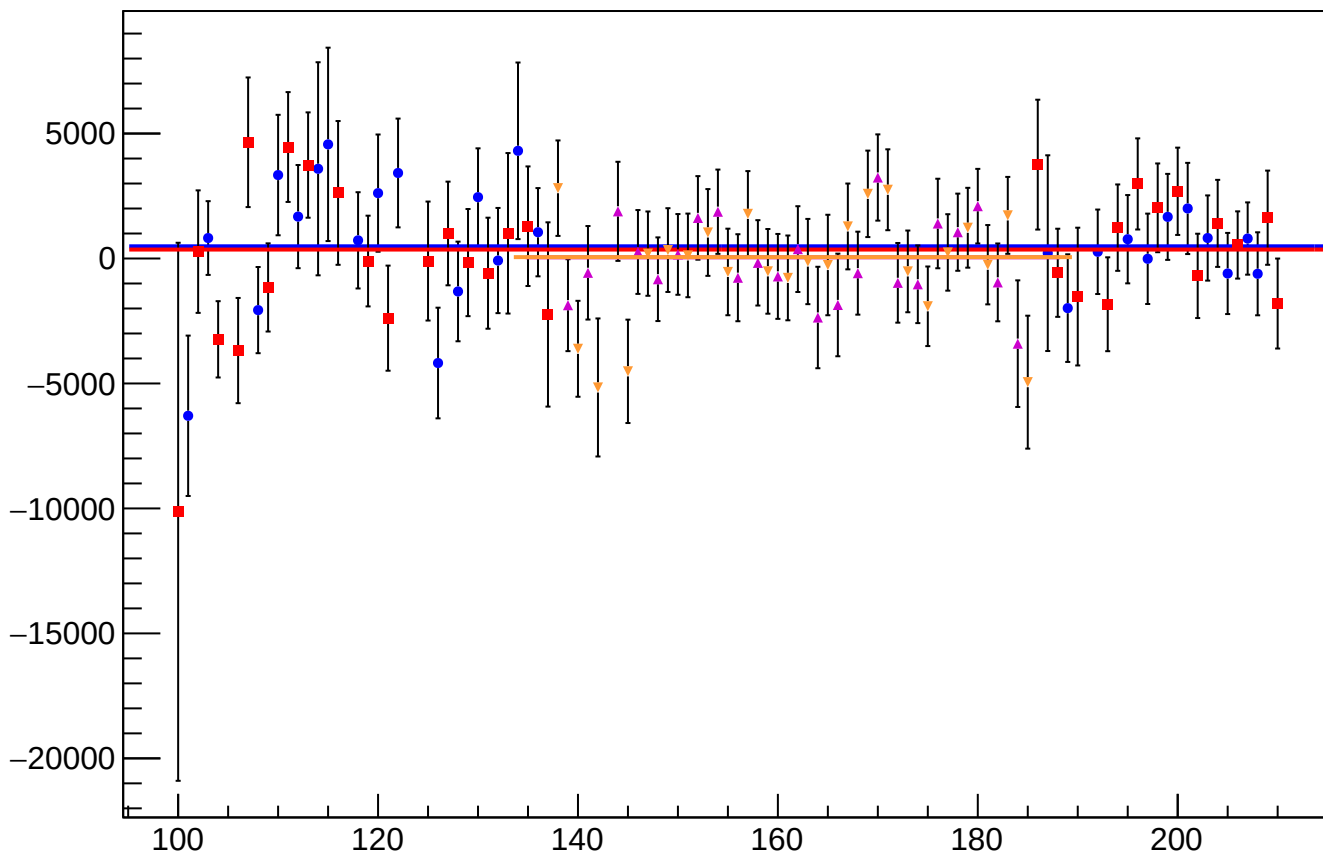
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2148796.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17675785.0/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35738224.6/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17807037.6/53

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 487.786 ± 380.995 χ^2/NDF : 23.9/26

Left Out: 54.770 ± 356.375 χ^2/NDF : 28.5/23

Right Out: 357.720 ± 364.021 χ^2/NDF : 34.6/30

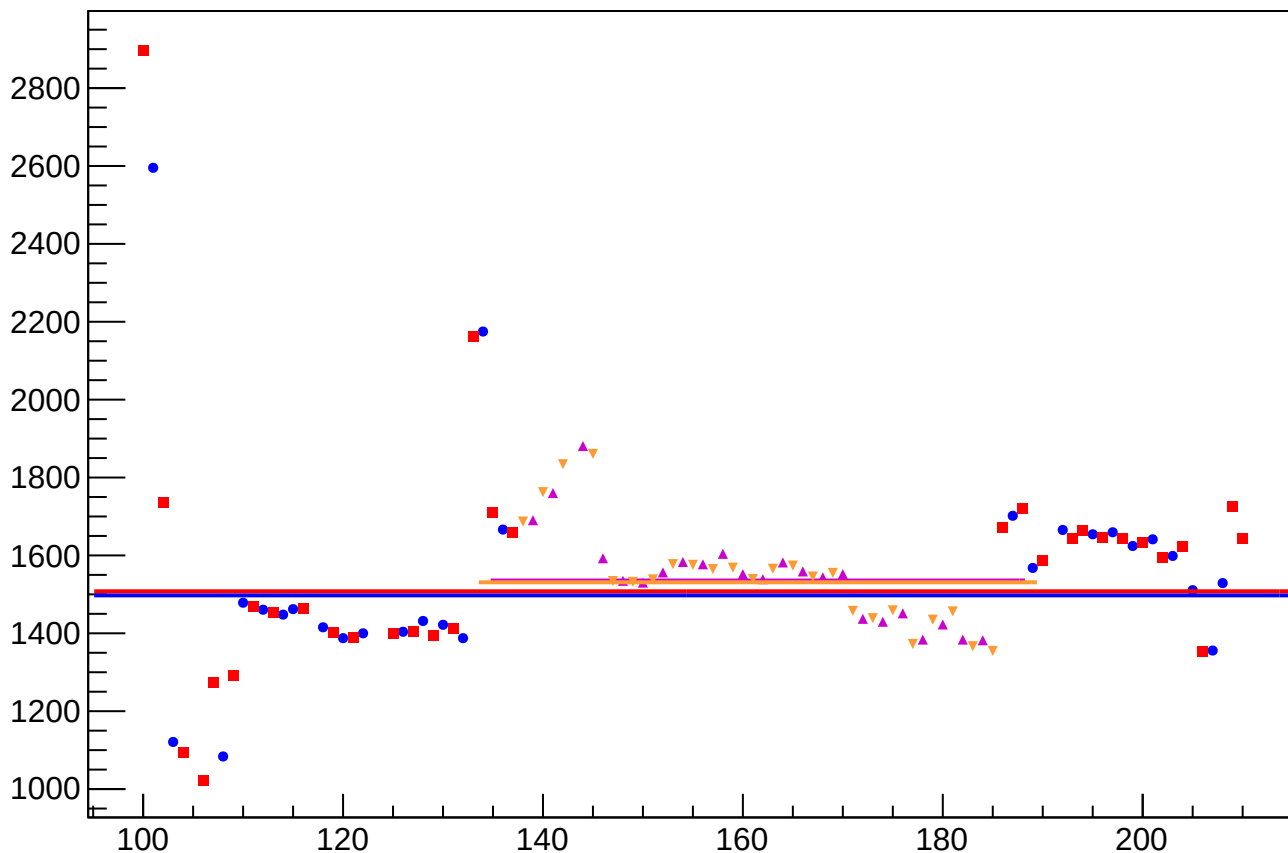
Left In: 48.177 ± 359.531 χ^2/NDF : 16.8/22

+ sign 256.836 ± 260.264 χ^2/NDF : 53.1/50

All: 228.449 ± 182.435 χ^2/NDF : 104.9/104

- sign 201.027 ± 255.799 χ^2/NDF : 51.8/53

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1497.426+/-0.269 χ^2/NDF : 708348.4/26

Left Out: 1530.976+/-0.252 χ^2/NDF : 203539.8/23

Right Out: 1507.904+/-0.257 χ^2/NDF : 663260.1/30

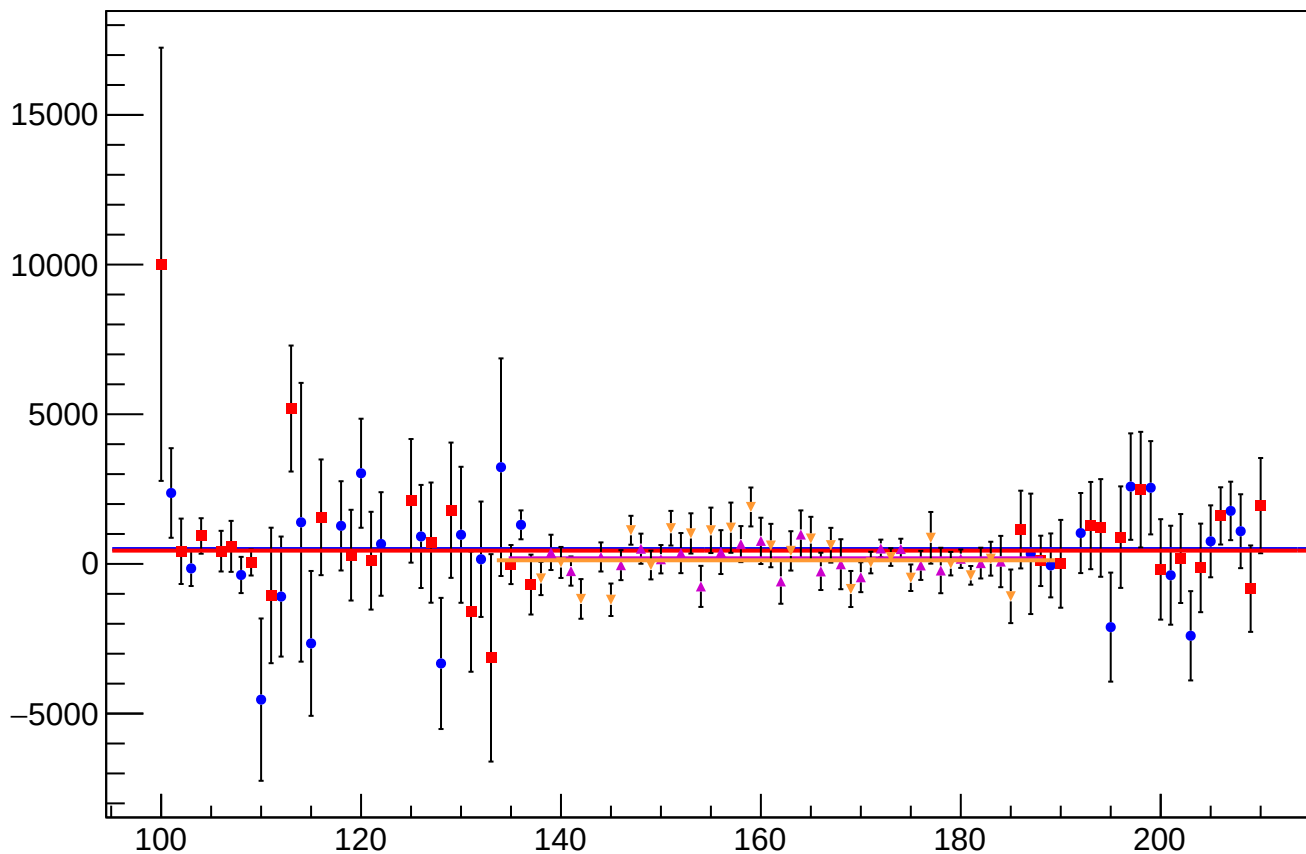
Left In: 1535.551+/-0.254 χ^2/NDF : 192432.7/22

+ sign 1515.320+/-0.184 χ^2/NDF : 920159.7/50

All: 1518.666+/-0.129 χ^2/NDF : 1782342.3/10

- sign 1521.899+/-0.181 χ^2/NDF : 861532.6/53

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug



Right In: 496.055 $\pm$ 229.053 χ^2 /NDF: 31.0/26

Left Out: 121.327 $\pm$ 105.060 χ^2 /NDF: 43.6/23

Right Out: 444.317 $\pm$ 198.143 χ^2 /NDF: 19.8/30

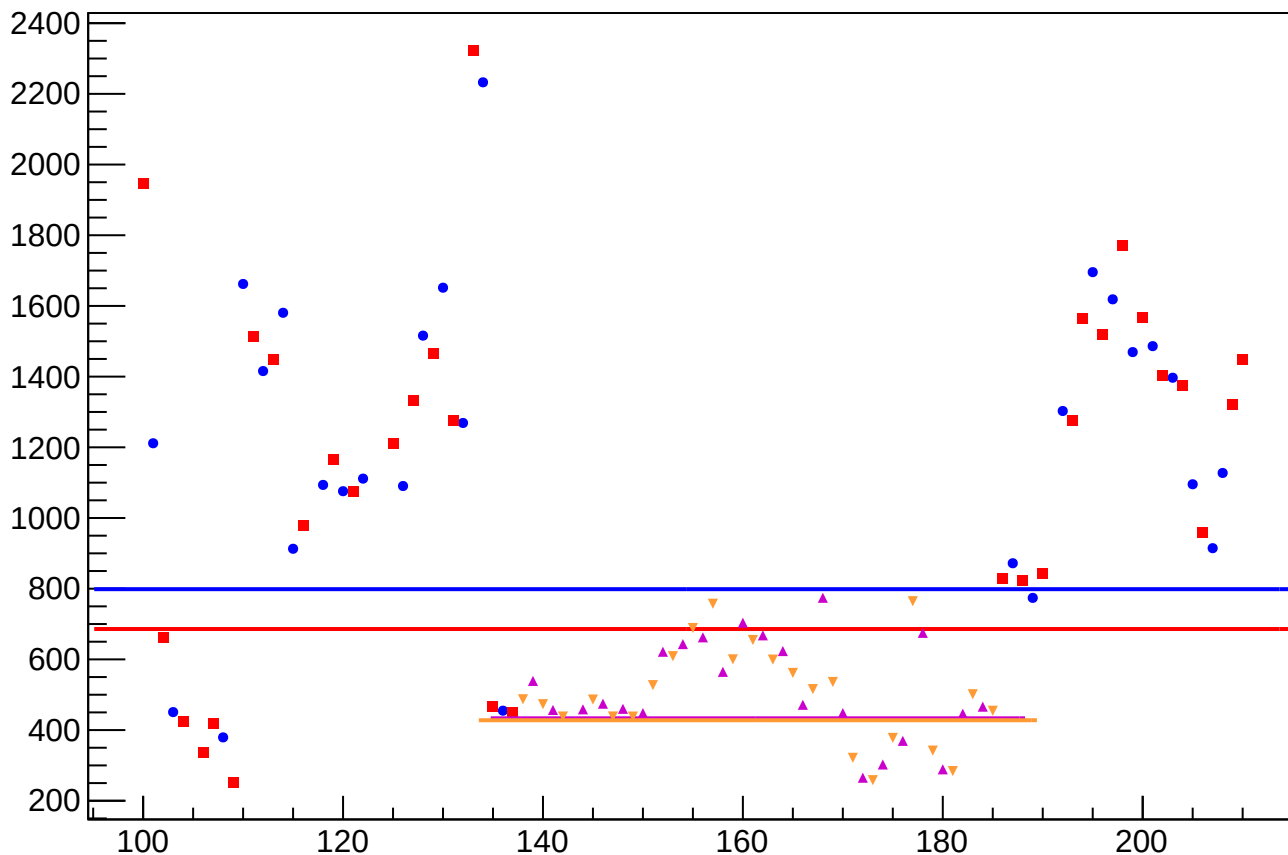
Left In: 186.828 $\pm$ 106.975 χ^2 /NDF: 11.6/22

+ sign 186.459 $\pm$ 95.494 χ^2 /NDF: 76.9/50

All: 216.120 $\pm$ 67.038 χ^2 /NDF: 109.8/104

- sign 244.942 $\pm$ 94.133 χ^2 /NDF: 32.7/53

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 798.632 $\pm$ 0.162 χ^2/NDF : 6983422.8/26

Left Out: 427.814 $\pm$ 0.074 χ^2/NDF : 3188159.5/23

Right Out: 685.932 $\pm$ 0.140 χ^2/NDF : 10156134.9/30

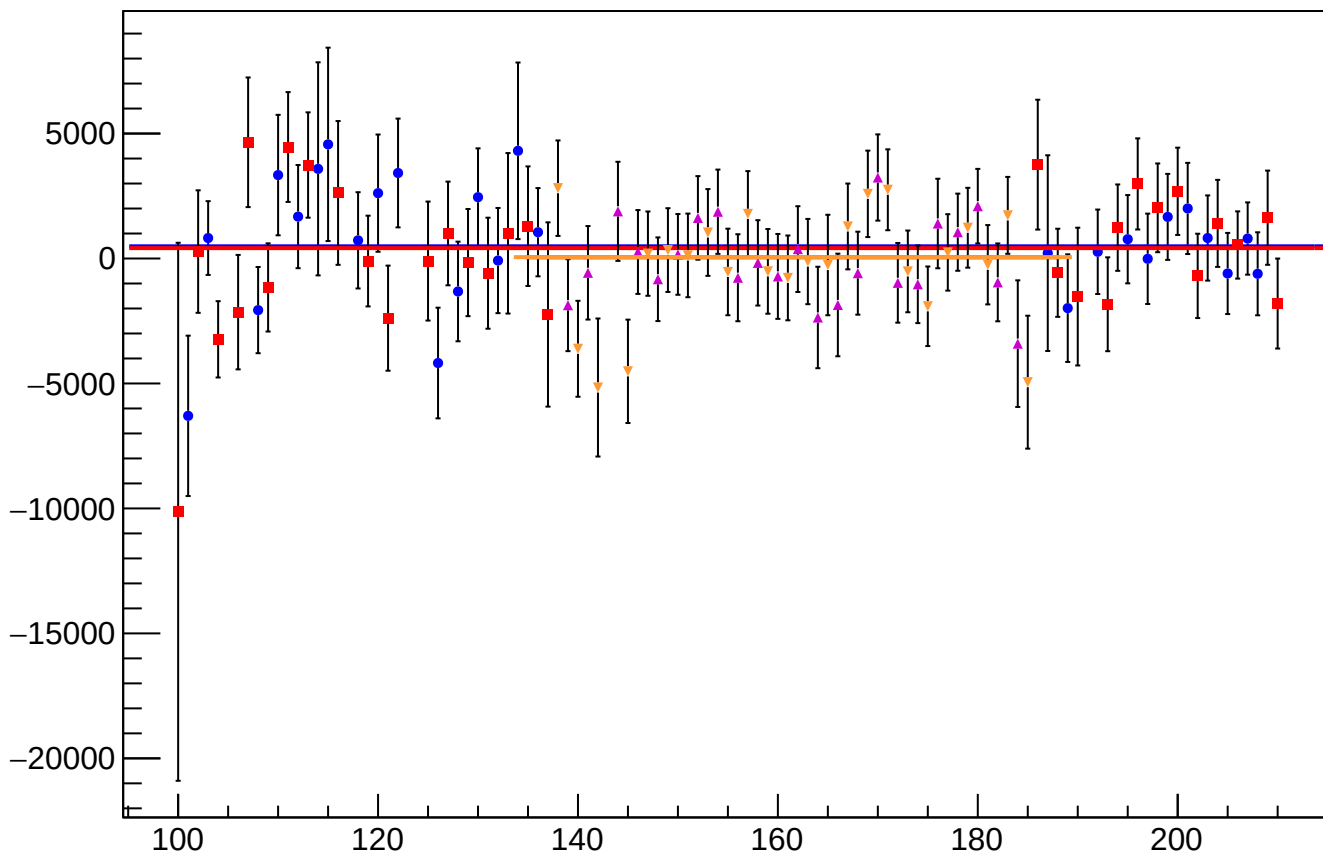
Left In: 433.283 $\pm$ 0.076 χ^2/NDF : 3247998.9/22

+ sign 492.267 $\pm$ 0.068 χ^2/NDF : 14502263.5/50

All: 491.272 $\pm$ 0.047 χ^2/NDF : 30424618.0/10

- sign 490.305 $\pm$ 0.067 χ^2/NDF : 15921926.4/53

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 487.827 ± 380.995 χ^2/NDF : 23.9/26

Left Out: 54.734 ± 356.375 χ^2/NDF : 28.5/23

Right Out: 415.652 ± 364.866 χ^2/NDF : 32.1/30

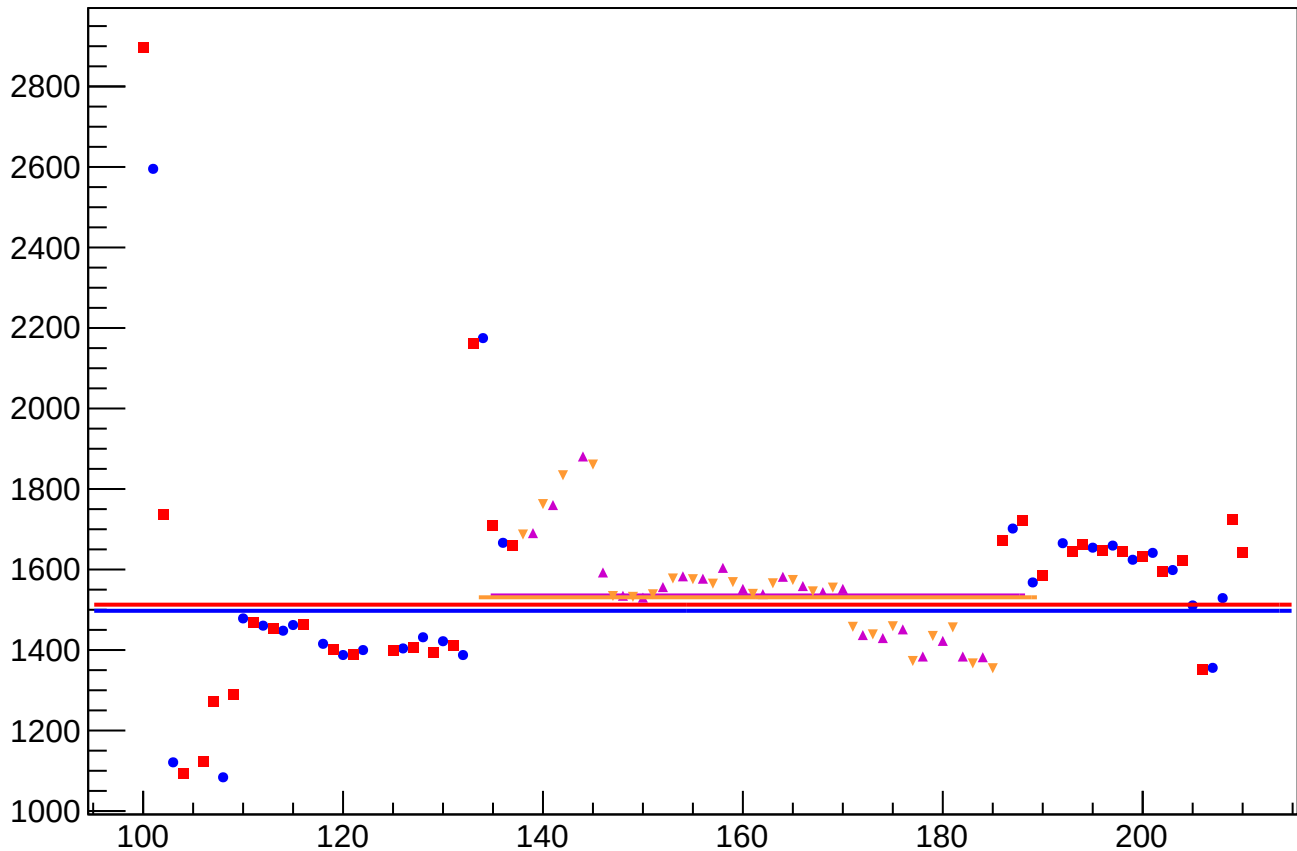
Left In: 48.256 ± 359.531 χ^2/NDF : 16.8/22

+ sign 256.836 ± 260.264 χ^2/NDF : 53.1/50

All: 242.819 ± 182.542 χ^2/NDF : 102.5/104

- sign 229.248 ± 256.092 χ^2/NDF : 49.4/53

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1497.426+/-0.269 χ^2/NDF : 708348.7/26

Left Out: 1530.976+/-0.252 χ^2/NDF : 203539.7/23

Right Out: 1512.676+/-0.258 χ^2/NDF : 613539.2/30

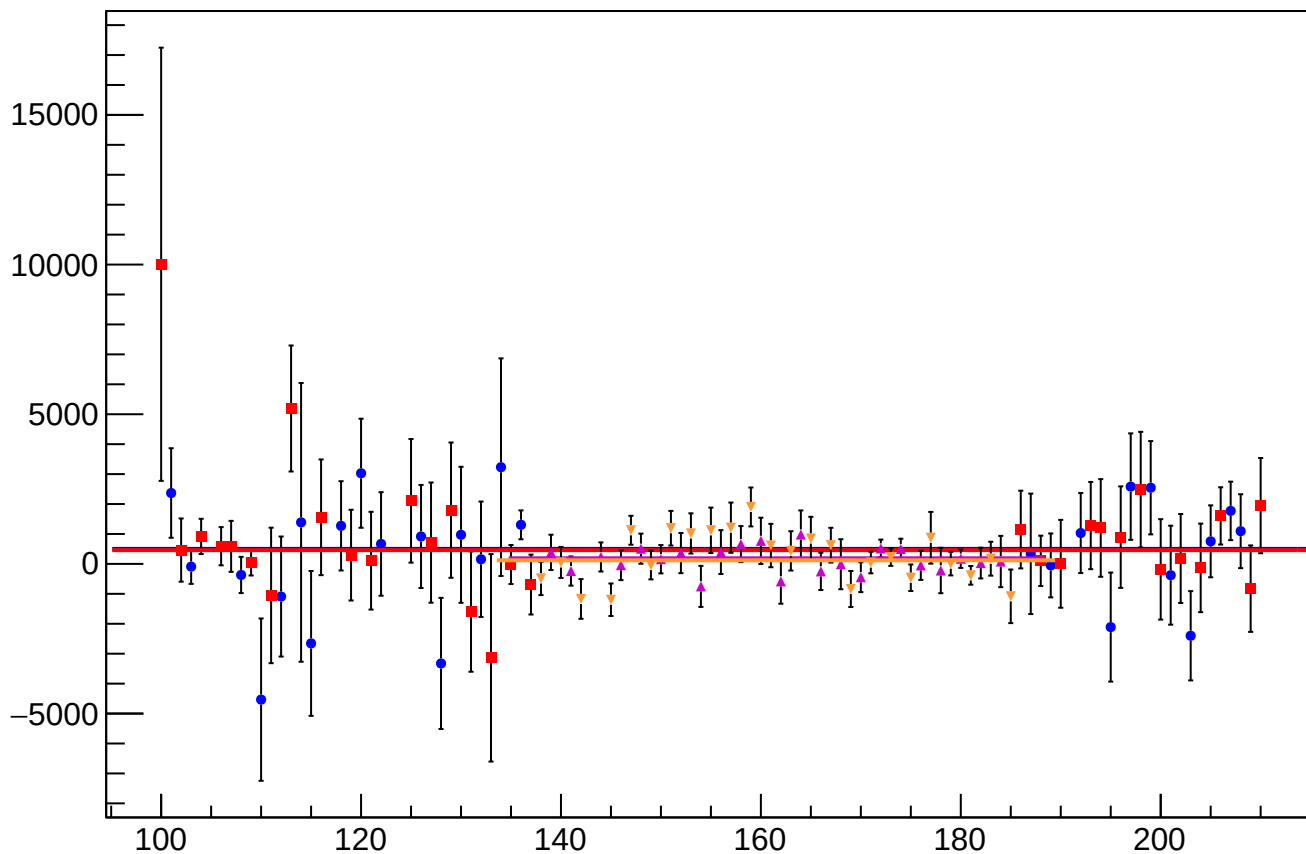
Left In: 1535.551+/-0.254 χ^2/NDF : 192432.7/22

+ sign 1515.320+/-0.184 χ^2/NDF : 920160.0/50

All: 1519.873+/-0.129 χ^2/NDF : 1731325.2/10

- sign 1524.282+/-0.181 χ^2/NDF : 809960.4/53

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug



Right In: 501.683 $\pm$ 228.377 χ^2 /NDF: 30.8/26

Left Out: 121.325 $\pm$ 105.060 χ^2 /NDF:43.7/23

Right Out: 460.205 $\pm$ 196.680 χ^2 /NDF: 19.8/30

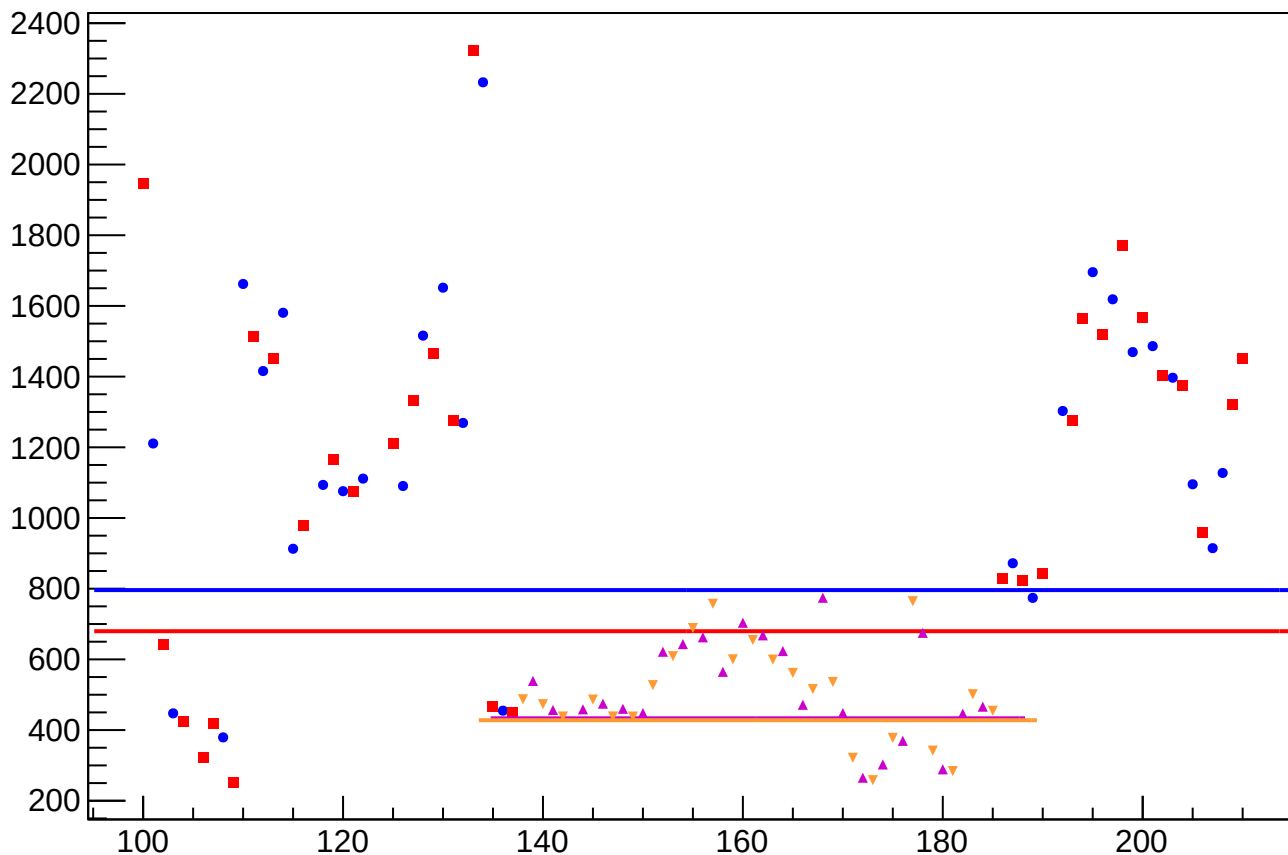
Left In: 187.037 $\pm$ 106.975 χ^2 /NDF:11.6/22

+ sign 187.760 $\pm$ 95.445 χ^2 /NDF: 76.8/50

All: 219.059 $\pm$ 66.964 χ^2 /NDF: 109.9/104

- sign 249.400 $\pm$ 93.974 χ^2 /NDF: 32.9/53

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 796.022 $\pm$ 0.161 χ^2 /NDF: 7025115.6/26

Left Out: 427.814 $\pm$ 0.074 χ^2 /NDF: 3188396.1/23

Right Out: 679.694 $\pm$ 0.139 χ^2 /NDF: 10276964.7/30

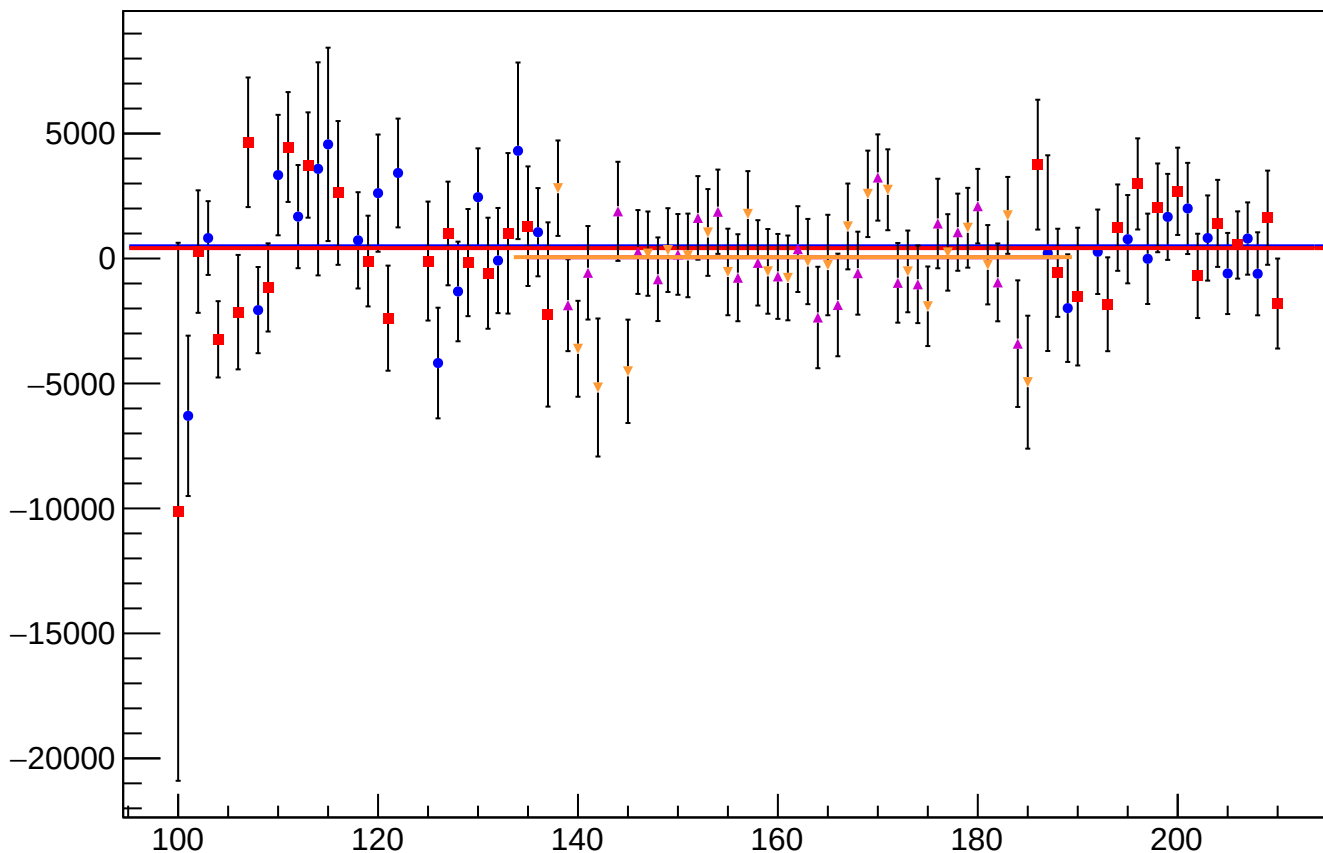
Left In: 433.285 $\pm$ 0.076 χ^2 /NDF: 3247871.5/22

+ sign 492.127 $\pm$ 0.067 χ^2 /NDF: 14504343.5/50

All: 490.813 $\pm$ 0.047 χ^2 /NDF: 30452486.1/10

- sign 489.539 $\pm$ 0.066 χ^2 /NDF: 15947396.5/53

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 487.827 $\pm$ 380.995 χ^2 /NDF: 23.9/26

Left Out: 54.734 $\pm$ 356.375 χ^2 /NDF:28.5/23

Right Out: 415.652 $\pm$ 364.866 χ^2 /NDF: 32.1/30

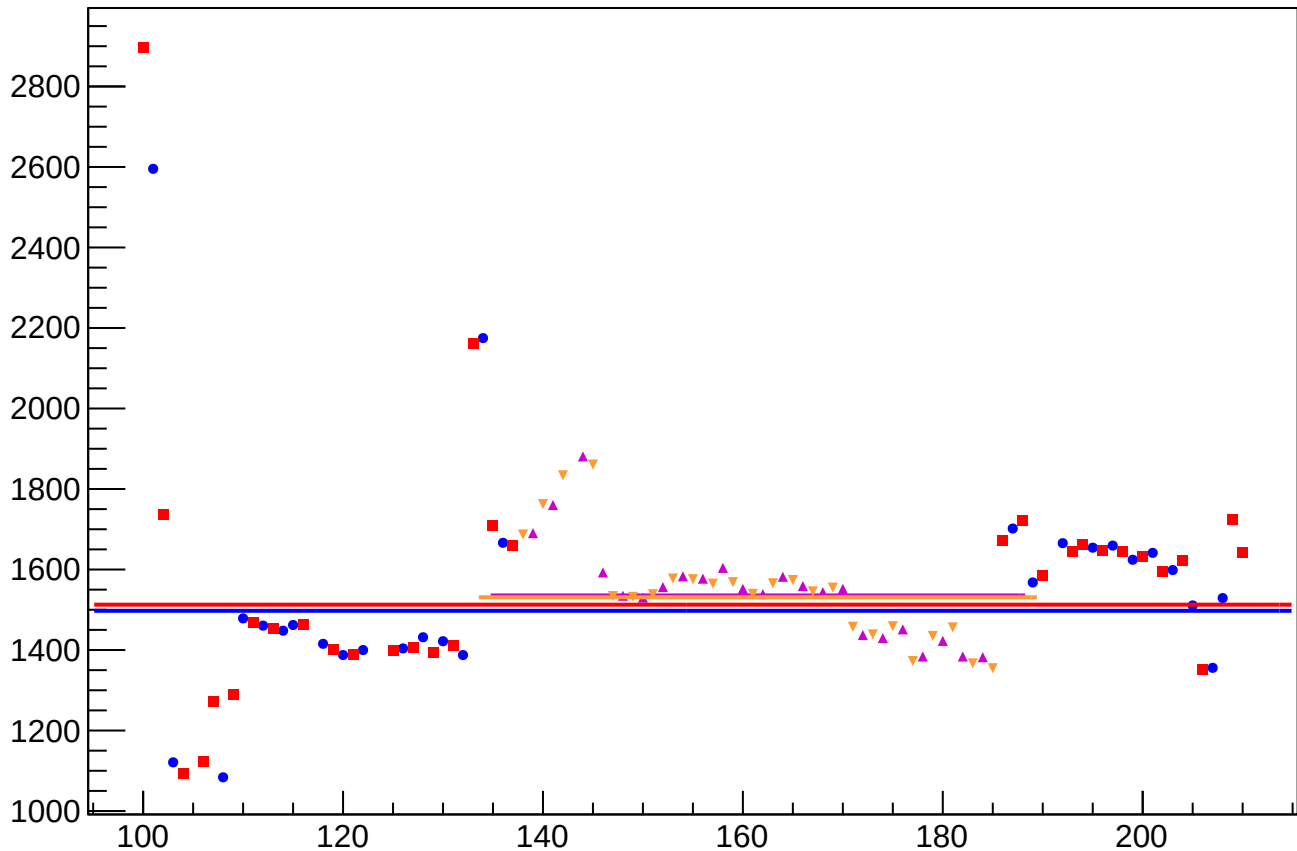
Left In: 48.256 $\pm$ 359.531 χ^2 /NDF:16.8/22

+ sign 256.836 $\pm$ 260.264 χ^2 /NDF: 53.1/50

All: 242.819 $\pm$ 182.542 χ^2 /NDF: 102.5/104

- sign 229.248 $\pm$ 256.092 χ^2 /NDF: 49.4/53

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1497.426+/-0.269 χ^2/NDF : 708348.7/26

Left Out: 1530.976+/-0.252 χ^2/NDF : 203539.7/23

Right Out: 1512.676+/-0.258 χ^2/NDF : 613539.2/30

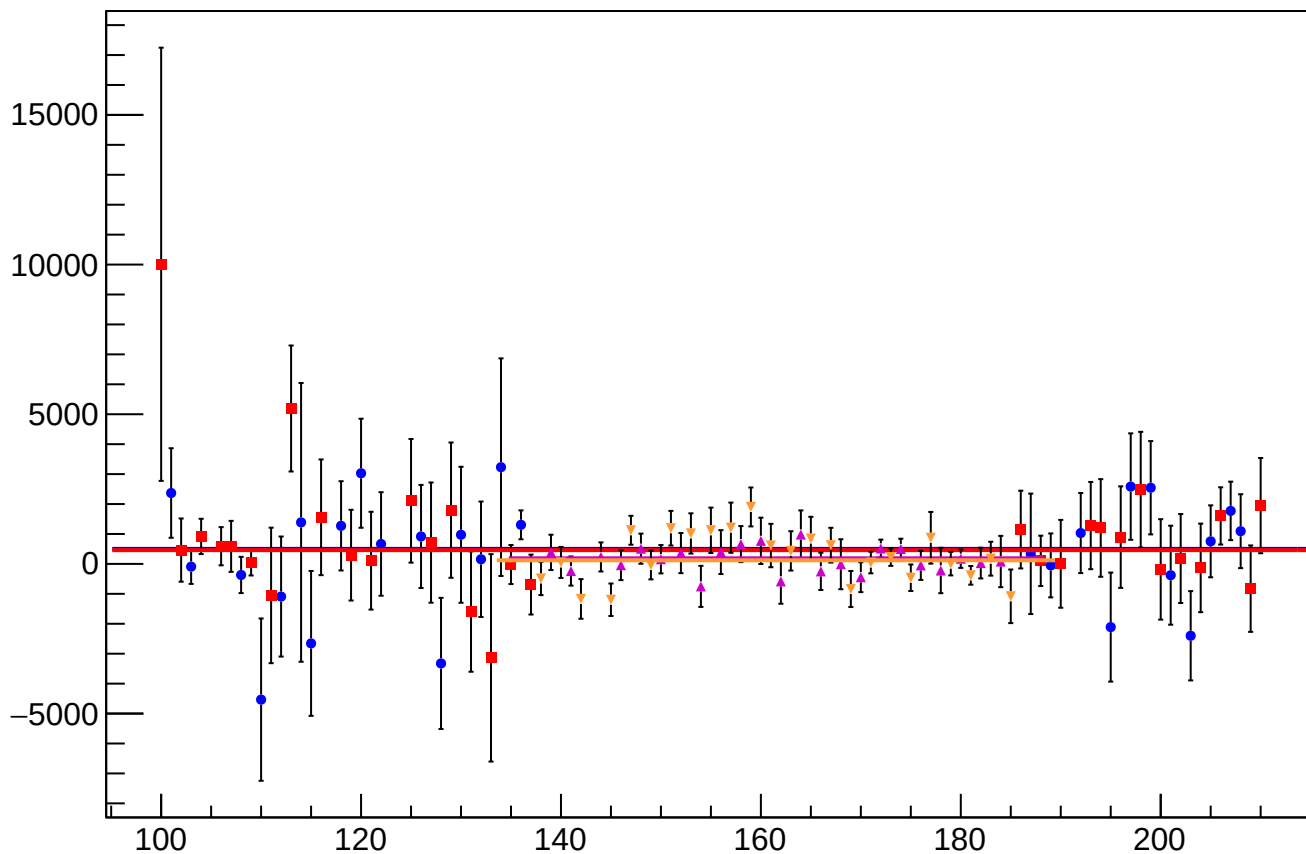
Left In: 1535.551+/-0.254 χ^2/NDF : 192432.7/22

+ sign 1515.320+/-0.184 χ^2/NDF : 920160.0/50

All: 1519.873+/-0.129 χ^2/NDF : 1731325.2/10

- sign 1524.282+/-0.181 χ^2/NDF : 809960.4/53

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 501.683 $\pm$ 228.377 χ^2 /NDF: 30.8/26

Left Out: 121.325 $\pm$ 105.060 χ^2 /NDF: 43.7/23

Right Out: 460.205 $\pm$ 196.680 χ^2 /NDF: 19.8/30

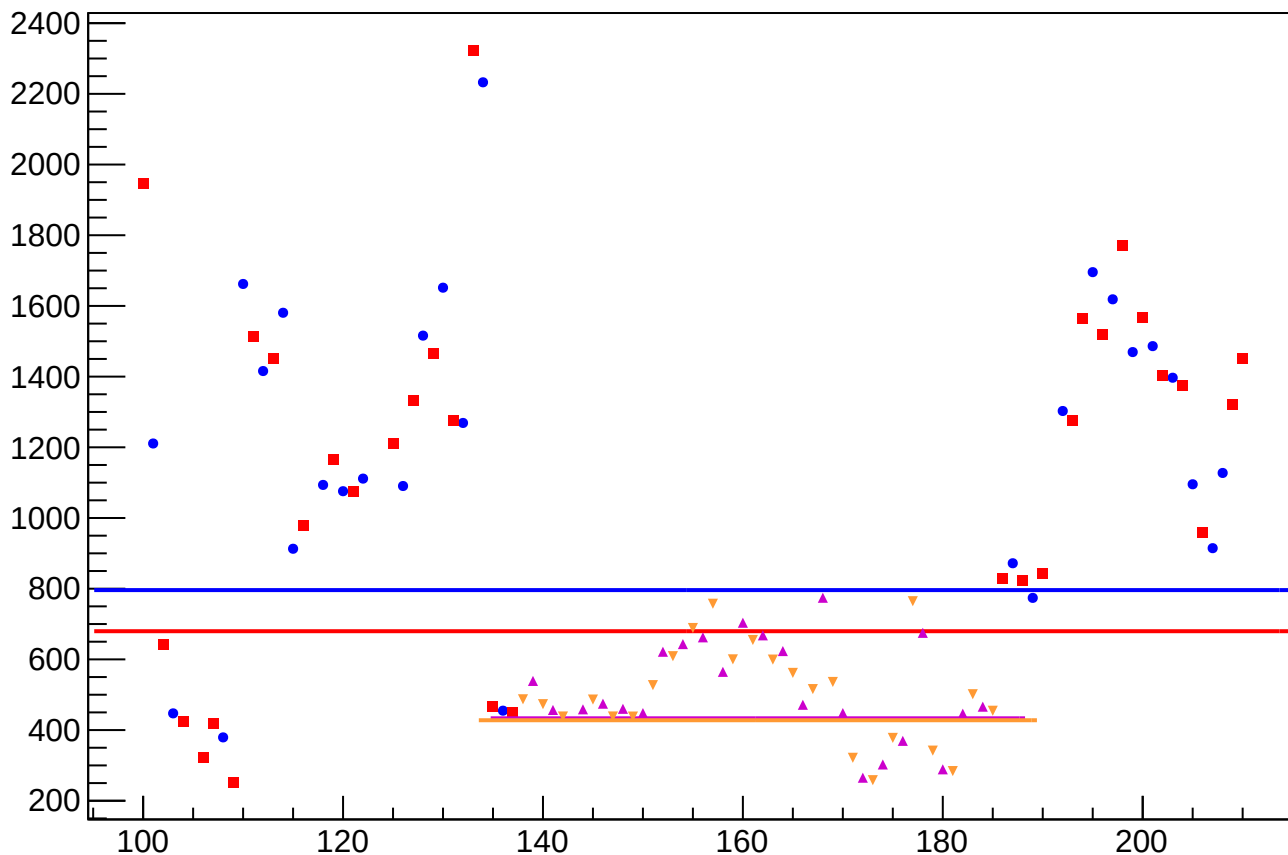
Left In: 187.037 $\pm$ 106.975 χ^2 /NDF: 11.6/22

+ sign 187.760 $\pm$ 95.445 χ^2 /NDF: 76.8/50

All: 219.059 $\pm$ 66.964 χ^2 /NDF: 109.9/104

- sign 249.400 $\pm$ 93.974 χ^2 /NDF: 32.9/53

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 796.022 $\pm$ 0.161 χ^2/NDF : 7025115.6/26

Left Out: 427.814 $\pm$ 0.074 χ^2/NDF : 3188396.1/23

Right Out: 679.694 $\pm$ 0.139 χ^2/NDF : 10276964.7/30

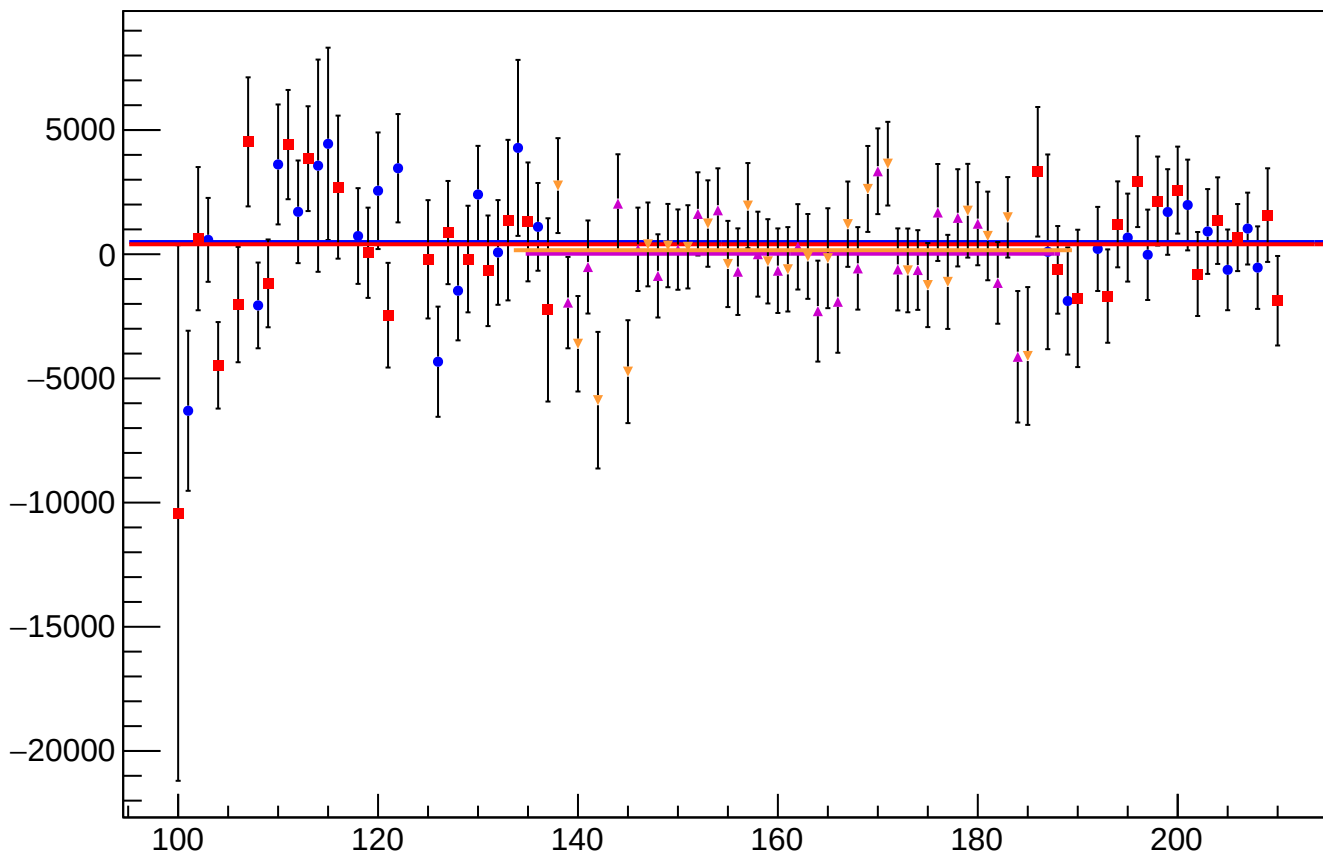
Left In: 433.285 $\pm$ 0.076 χ^2/NDF : 3247871.5/22

+ sign 492.127 $\pm$ 0.067 χ^2/NDF : 14504343.5/50

All: 490.813 $\pm$ 0.047 χ^2/NDF : 30452486.1/10

- sign 489.539 $\pm$ 0.066 χ^2/NDF : 15947396.5/53

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 490.615 $\pm$ 384.666 χ^2 /NDF: 24.4/26

Left Out: 161.591 $\pm$ 368.366 χ^2 /NDF: 29.9/23

Right Out: 401.426 $\pm$ 369.301 χ^2 /NDF: 33.8/30

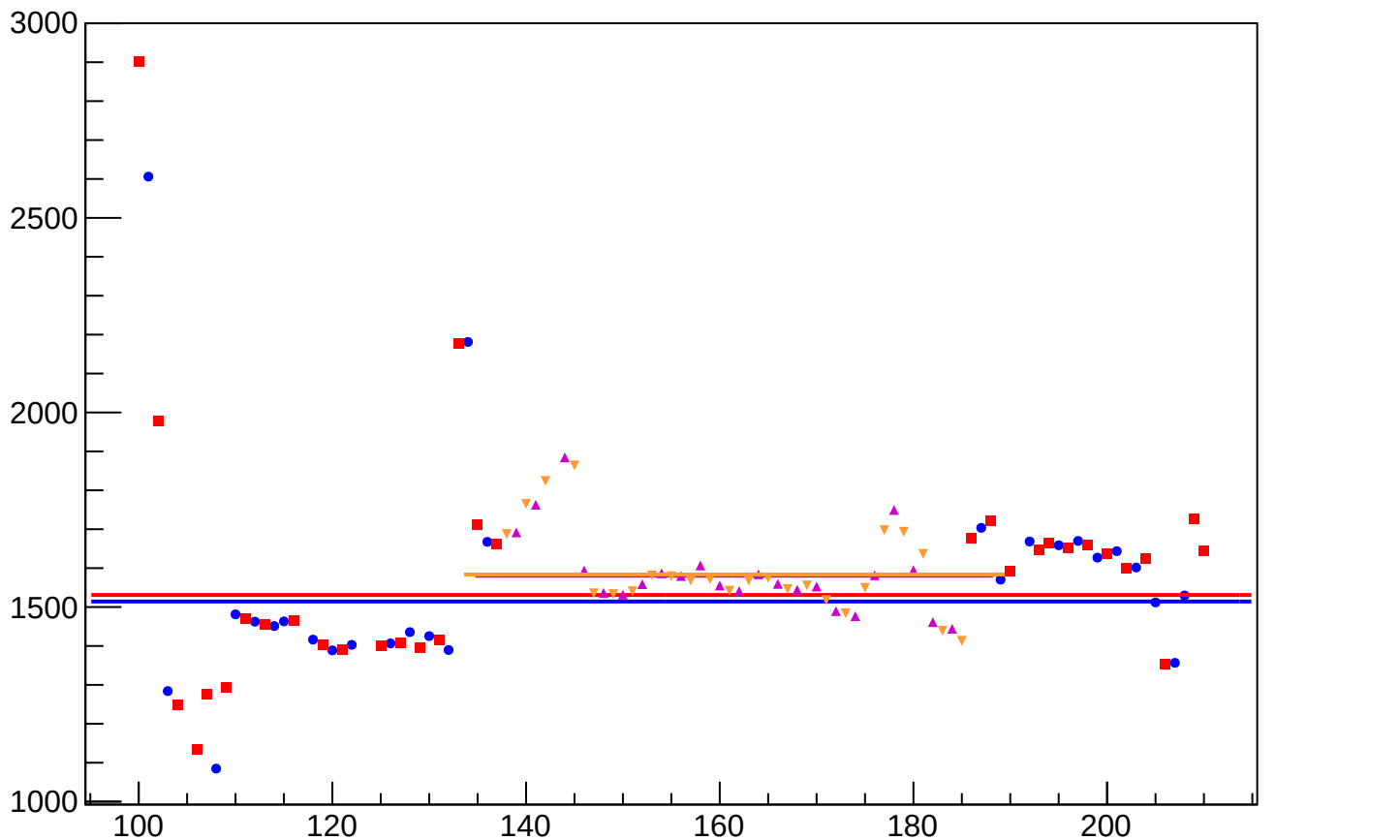
Left In: 20.252 $\pm$ 369.781 χ^2 /NDF: 16.0/22

+ sign 318.984 $\pm$ 266.050 χ^2 /NDF: 54.7/50

All: 264.065 $\pm$ 186.425 χ^2 /NDF: 105.1/104

- sign 211.086 $\pm$ 261.304 χ^2 /NDF: 50.3/53

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1514.237+/-0.272 χ^2/NDF : 612128.1/26

Left Out: 1583.673+/-0.260 χ^2/NDF : 133583.1/23

Right Out: 1530.996+/-0.261 χ^2/NDF : 540794.6/30

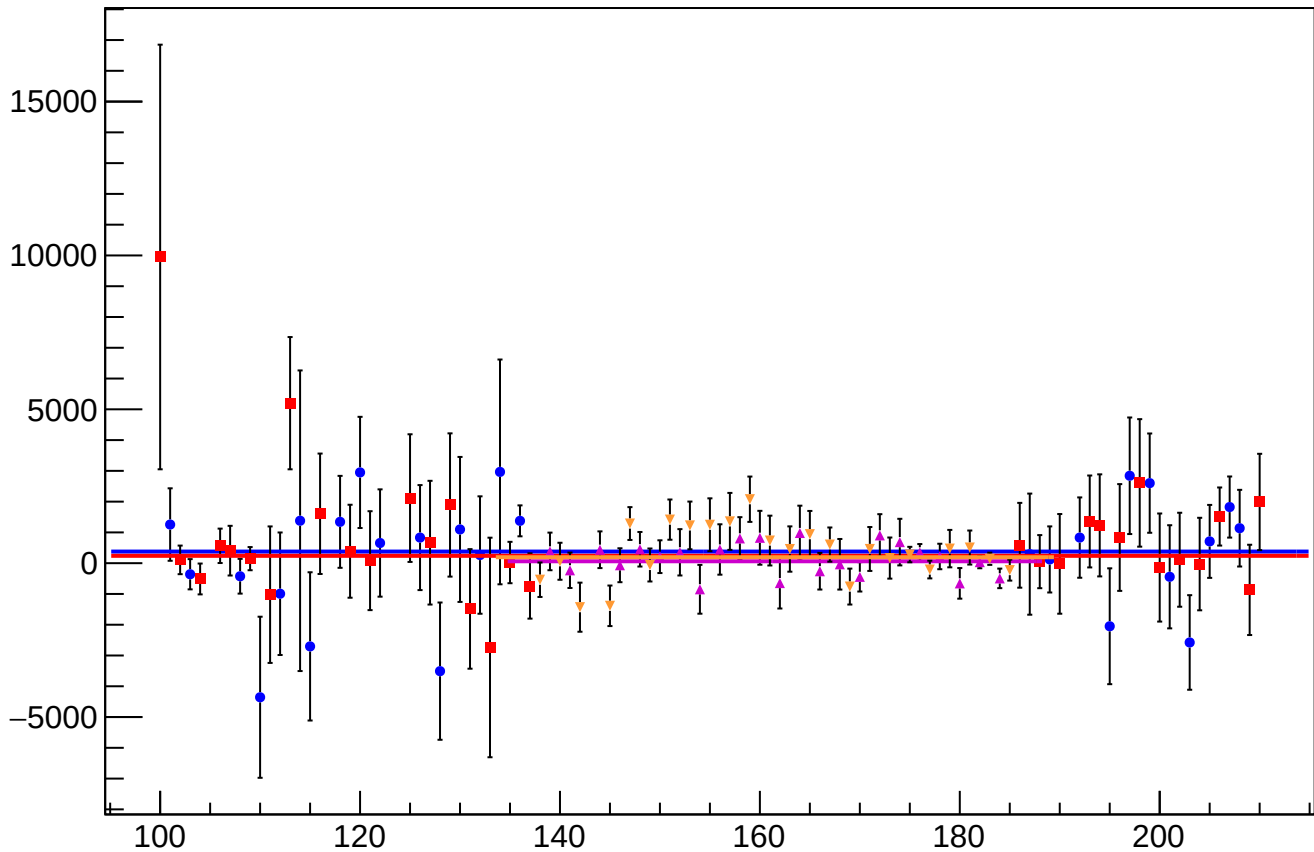
Left In: 1580.464+/-0.261 χ^2/NDF : 125745.6/22

+ sign 1550.457+/-0.188 χ^2/NDF : 779705.2/50

All: 1553.125+/-0.132 χ^2/NDF : 1464559.8/10

- sign 1555.698+/-0.185 χ^2/NDF : 684459.5/53

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug



Right In: 377.284 ± 220.651 χ^2/NDF : 32.3/26

Left Out: 193.307 ± 95.894 χ^2/NDF : 40.1/23

Right Out: 239.071 ± 174.425 χ^2/NDF : 20.9/30

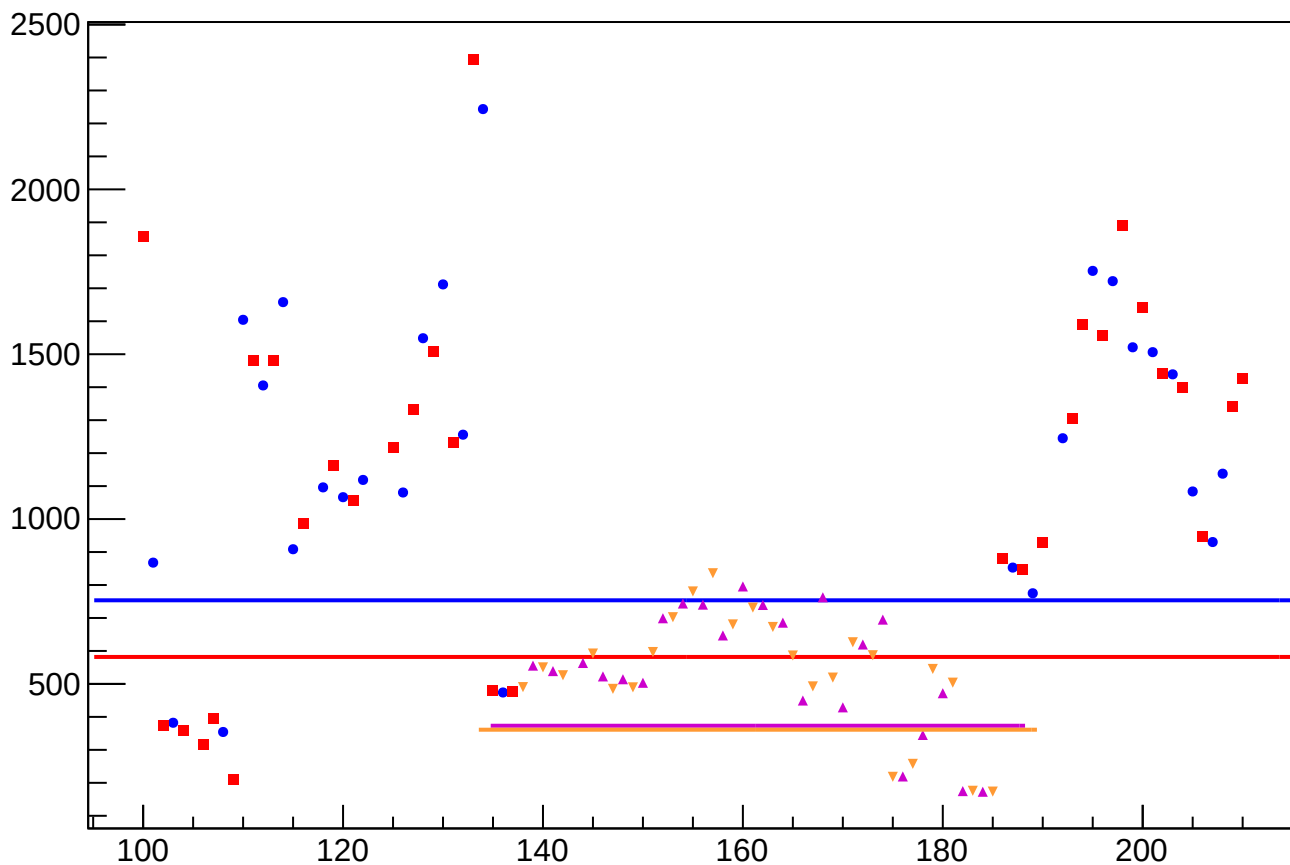
Left In: 62.183 ± 99.717 χ^2/NDF : 17.0/22

+ sign 222.535 ± 87.947 χ^2/NDF : 73.0/50

All: 163.223 ± 61.695 χ^2/NDF : 112.6/104

- sign 105.755 ± 86.569 χ^2/NDF : 38.7/53

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 753.612 $\pm$ 0.156 χ^2 /NDF: 7705021.6/26

Left Out: 361.100 $\pm$ 0.068 χ^2 /NDF: 8183123.9/23

Right Out: 581.805 $\pm$ 0.123 χ^2 /NDF: 12561728.6/30

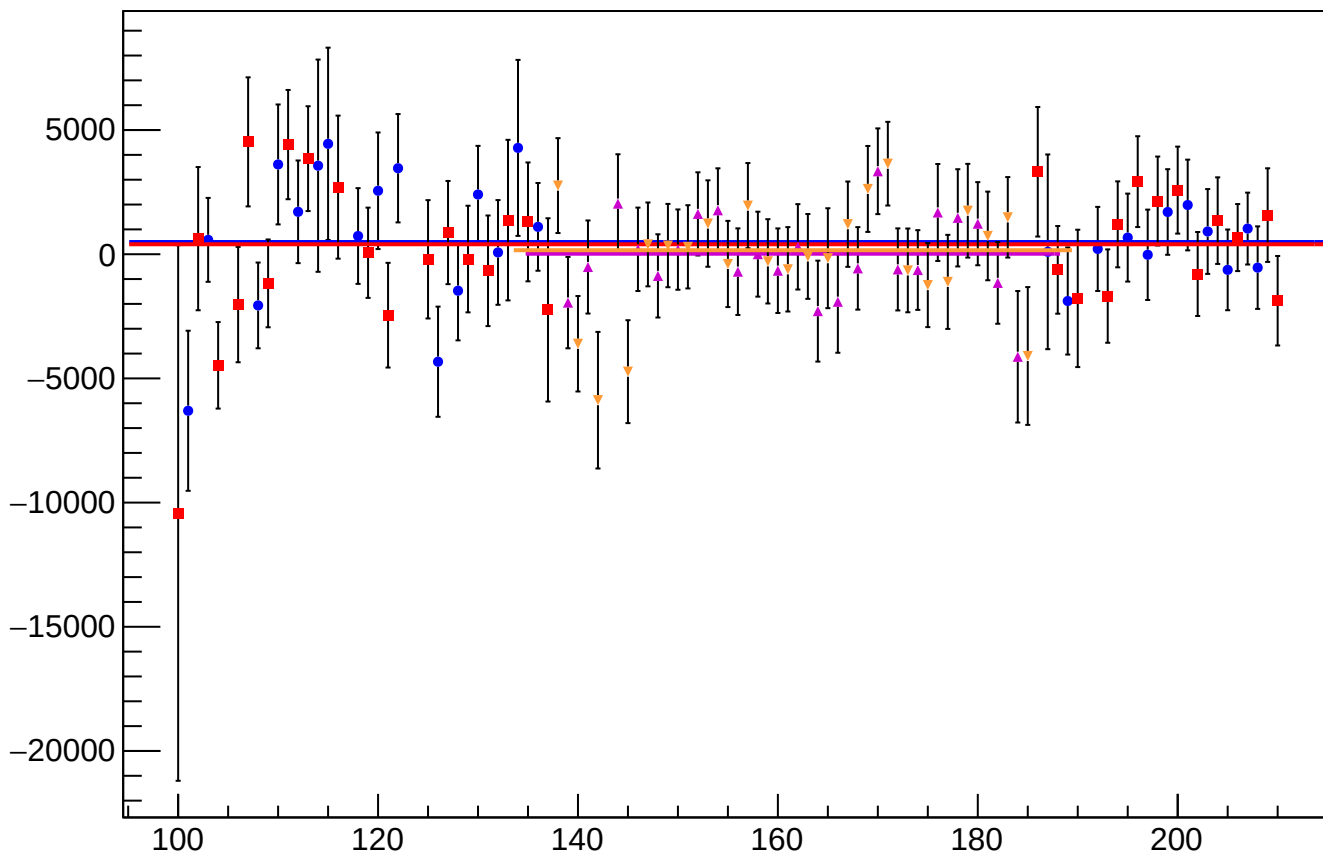
Left In: 373.140 $\pm$ 0.071 χ^2 /NDF: 8207354.5/22

+ sign 423.457 $\pm$ 0.062 χ^2 /NDF: 21211546.1/50

All: 424.007 $\pm$ 0.044 χ^2 /NDF: 44138025.4/10

- sign 424.540 $\pm$ 0.061 χ^2 /NDF: 22926325.3/53

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 490.611 ± 384.666 χ^2/NDF : 24.4/26

Left Out: 161.587 ± 368.366 χ^2/NDF : 29.9/23

Right Out: 401.423 ± 369.300 χ^2/NDF : 33.8/30

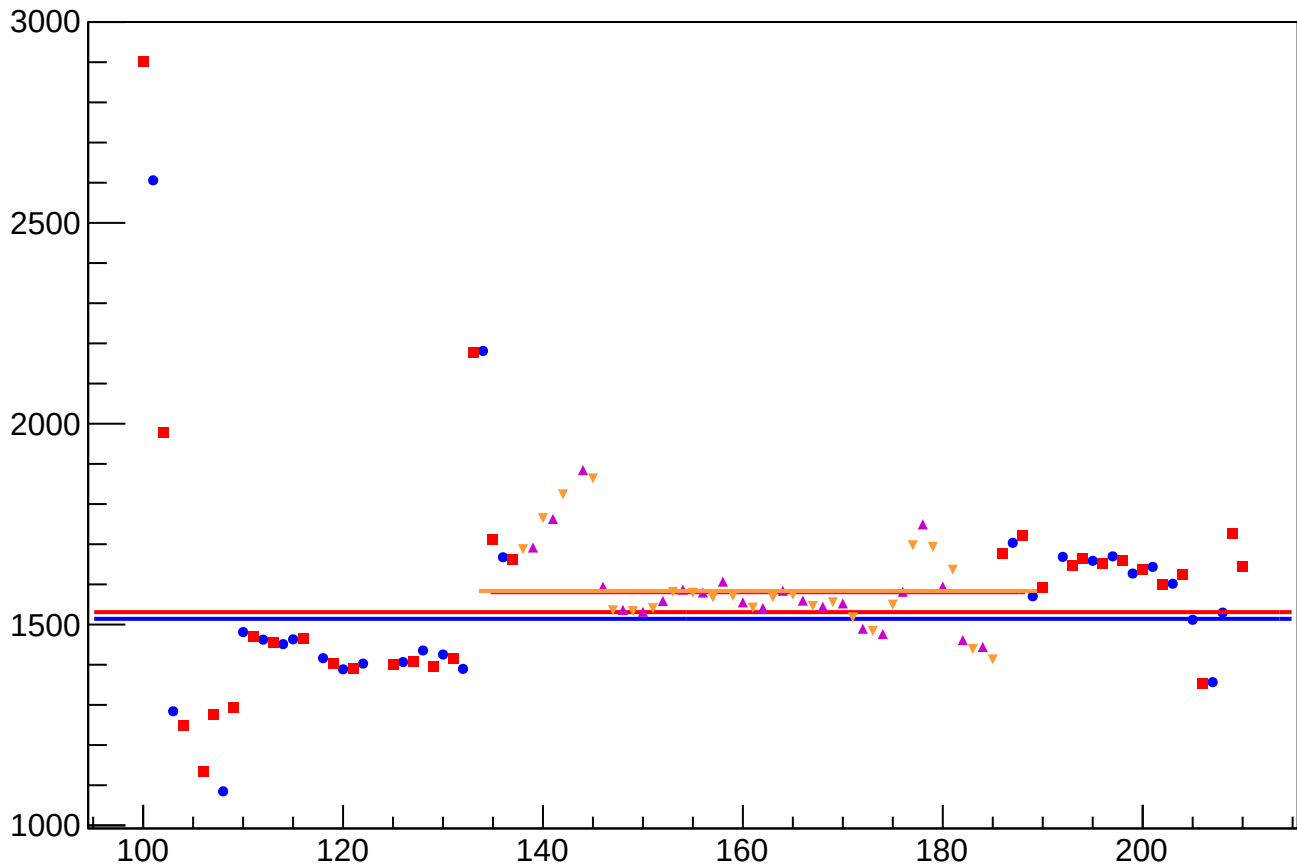
Left In: 20.250 ± 369.781 χ^2/NDF : 16.0/22

+ sign 318.980 ± 266.050 χ^2/NDF : 54.7/50

All: 264.062 ± 186.425 χ^2/NDF : 105.1/104

- sign 211.084 ± 261.304 χ^2/NDF : 50.3/53

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1514.237 $\pm$ 0.272 χ^2 /NDF: 612127.6/26

Left Out: 1583.673 $\pm$ 0.260 χ^2 /NDF:133583.3/23

Right Out: 1530.996 $\pm$ 0.261 χ^2 /NDF: 540794.5/30

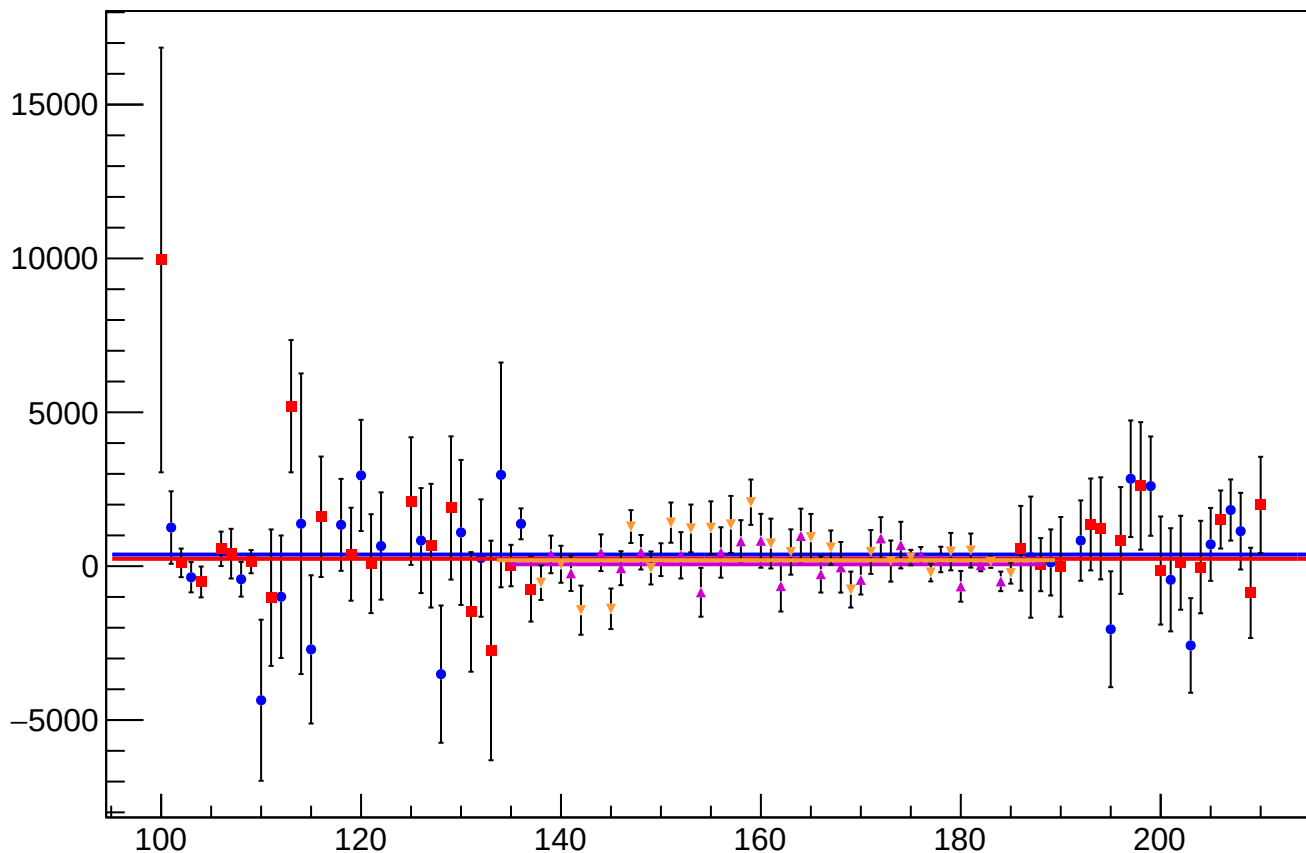
Left In: 1580.464 $\pm$ 0.261 χ^2 /NDF:125745.6/22

+ sign 1550.457 $\pm$ 0.188 χ^2 /NDF: 779704.8/50

All: 1553.125 $\pm$ 0.132 χ^2 /NDF: 1464559.1/10

- sign 1555.698 $\pm$ 0.185 χ^2 /NDF: 684459.3/53

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 377.279 ± 220.651 χ^2/NDF : 32.3/26

Left Out: 193.312 ± 95.894 χ^2/NDF : 40.1/23

Right Out: 239.071 ± 174.426 χ^2/NDF : 20.9/30

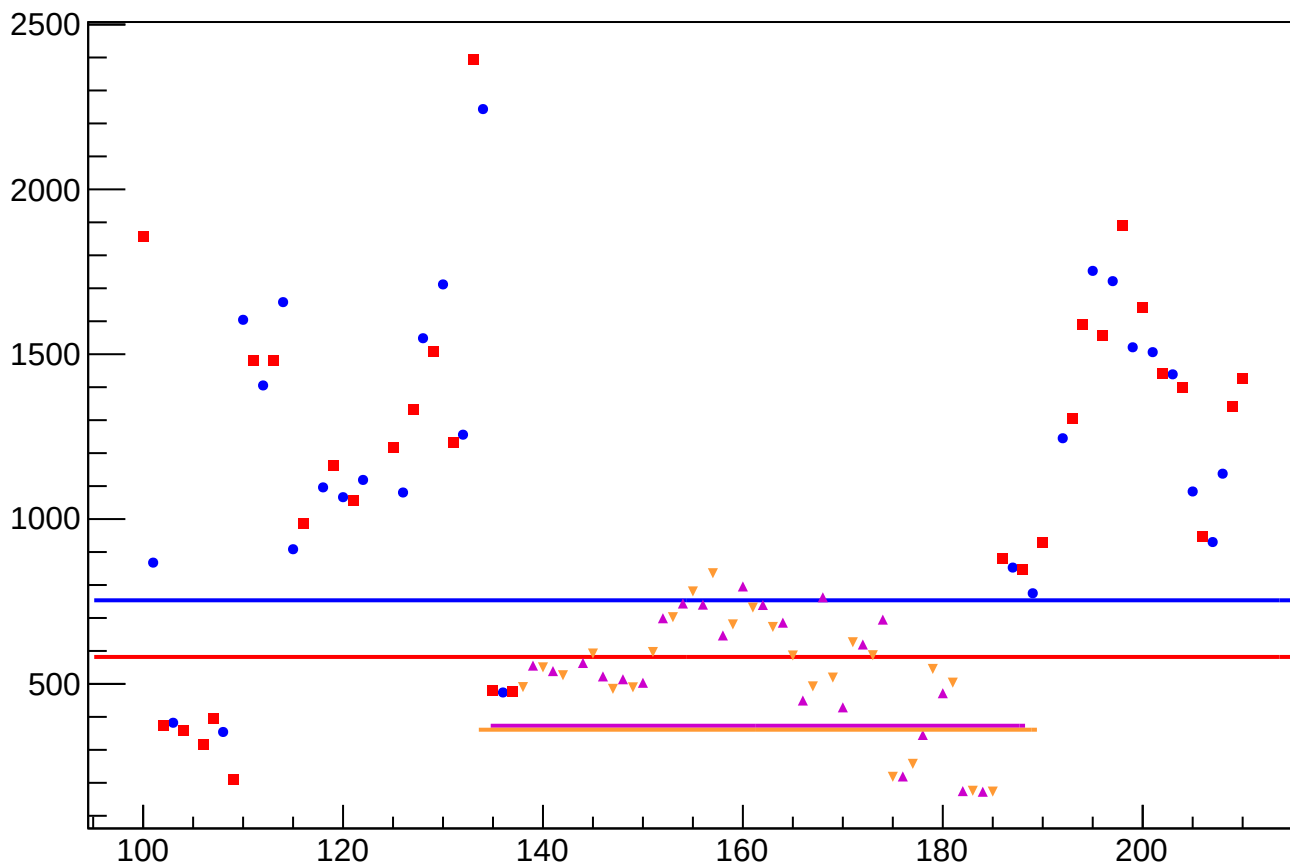
Left In: 62.181 ± 99.718 χ^2/NDF : 17.0/22

+ sign 222.539 ± 87.948 χ^2/NDF : 73.0/50

All: 163.224 ± 61.695 χ^2/NDF : 112.6/104

- sign 105.753 ± 86.570 χ^2/NDF : 38.7/53

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 753.609+/-0.156 χ^2/NDF : 7705043.5/26

Left Out: 361.103+/-0.068 χ^2/NDF : 8182968.2/23

Right Out: 581.812+/-0.123 χ^2/NDF : 12561555.5/30

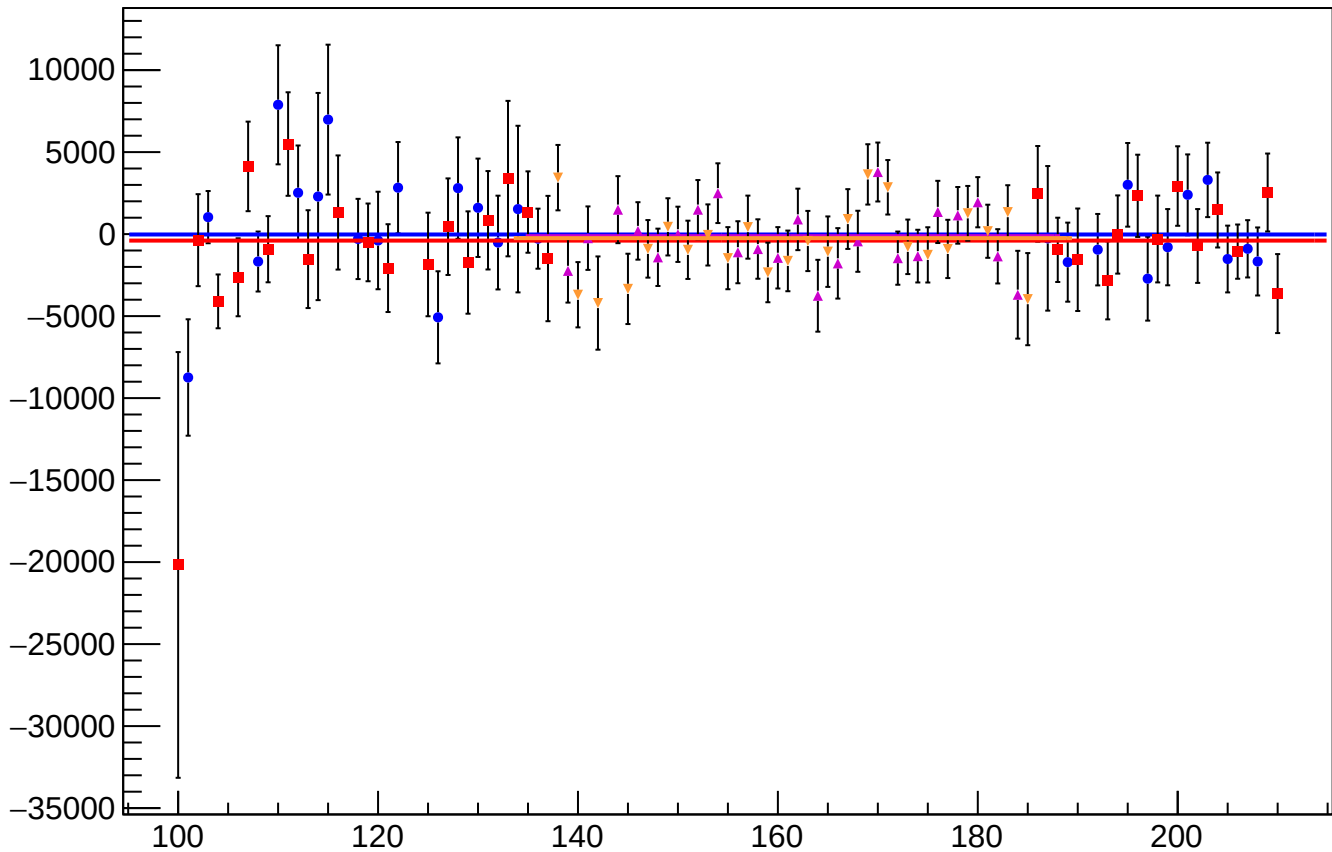
Left In: 373.145+/-0.071 χ^2/NDF : 8207110.6/22

+ sign 423.460+/-0.062 χ^2/NDF : 21211256.2/50

All: 424.011+/-0.044 χ^2/NDF : 44137325.6/10

- sign 424.545+/-0.061 χ^2/NDF : 22925914.9/53

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: -23.193 ± 480.053 χ^2/NDF : 28.7/26

Left Out: -247.110 ± 378.224 χ^2/NDF : 26.0/23

Right Out: -395.765 ± 457.040 χ^2/NDF : 26.7/30

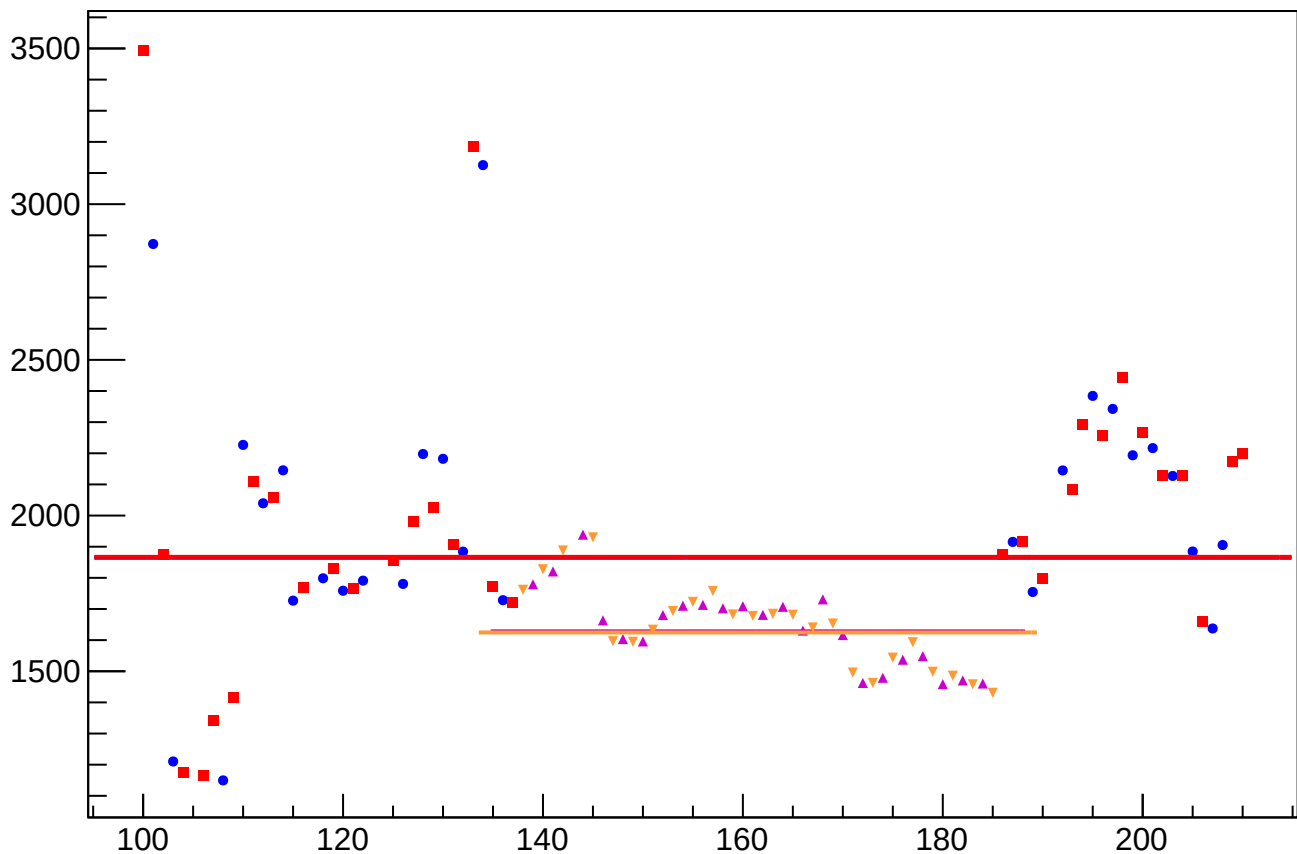
Left In: -126.114 ± 381.305 χ^2/NDF : 21.2/22

+ sign -161.349 ± 297.092 χ^2/NDF : 54.9/50

All: -199.613 ± 208.537 χ^2/NDF : 103.1/104

- sign -236.777 ± 292.788 χ^2/NDF : 48.1/53

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1864.621 $\pm$ 0.339 χ^2 /NDF: 1357779.2/26

Left Out: 1624.614 $\pm$ 0.267 χ^2 /NDF: 207257.7/23

Right Out: 1867.377 $\pm$ 0.323 χ^2 /NDF: 1364895.6/30

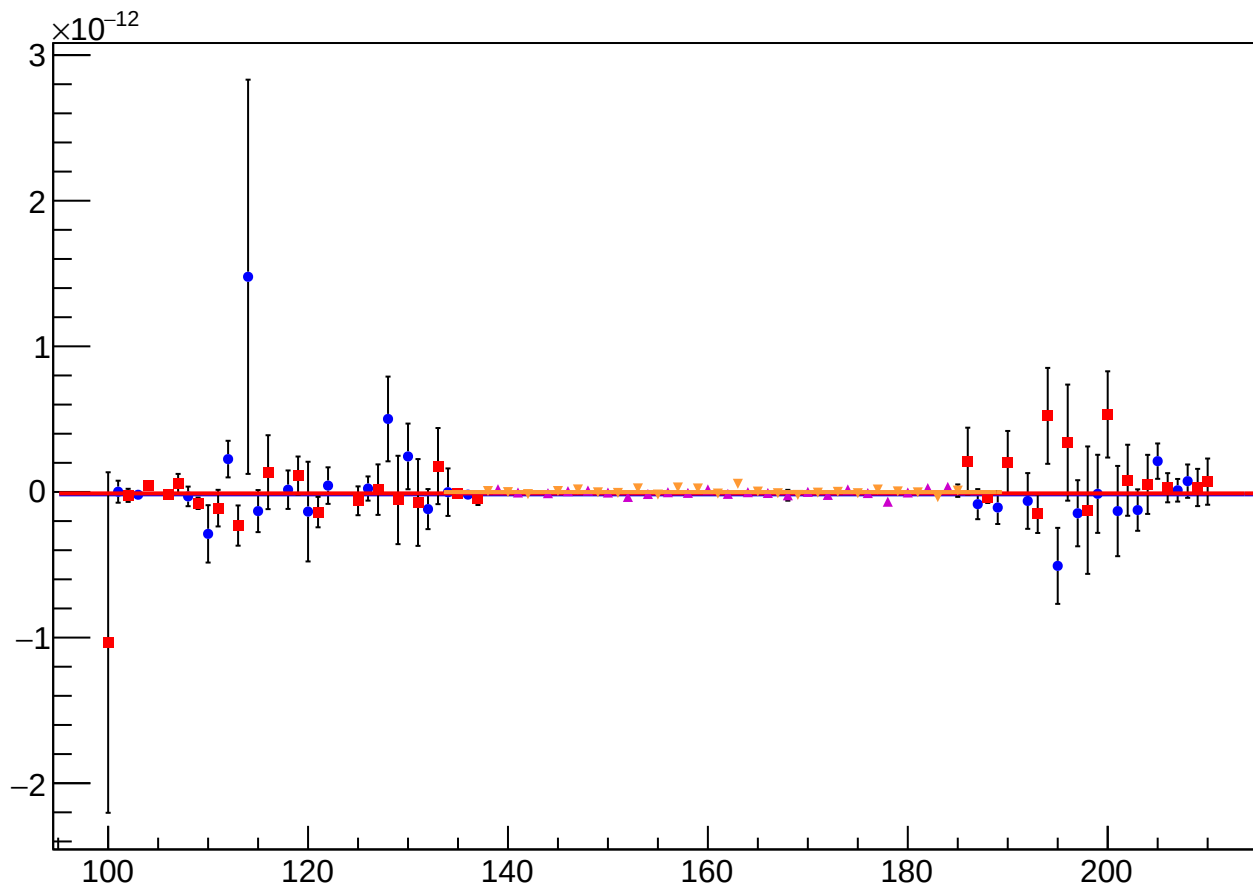
Left In: 1628.221 $\pm$ 0.270 χ^2 /NDF: 204880.6/22

+ sign 1716.538 $\pm$ 0.210 χ^2 /NDF: 1873483.5/50

All: 1721.525 $\pm$ 0.147 χ^2 /NDF: 3767256.0/10

- sign 1726.369 $\pm$ 0.207 χ^2 /NDF: 1892661.4/53

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2 /NDF: 22.6/23

Right Out: -0.000+/-0.000 χ^2 /NDF: 27.6/30

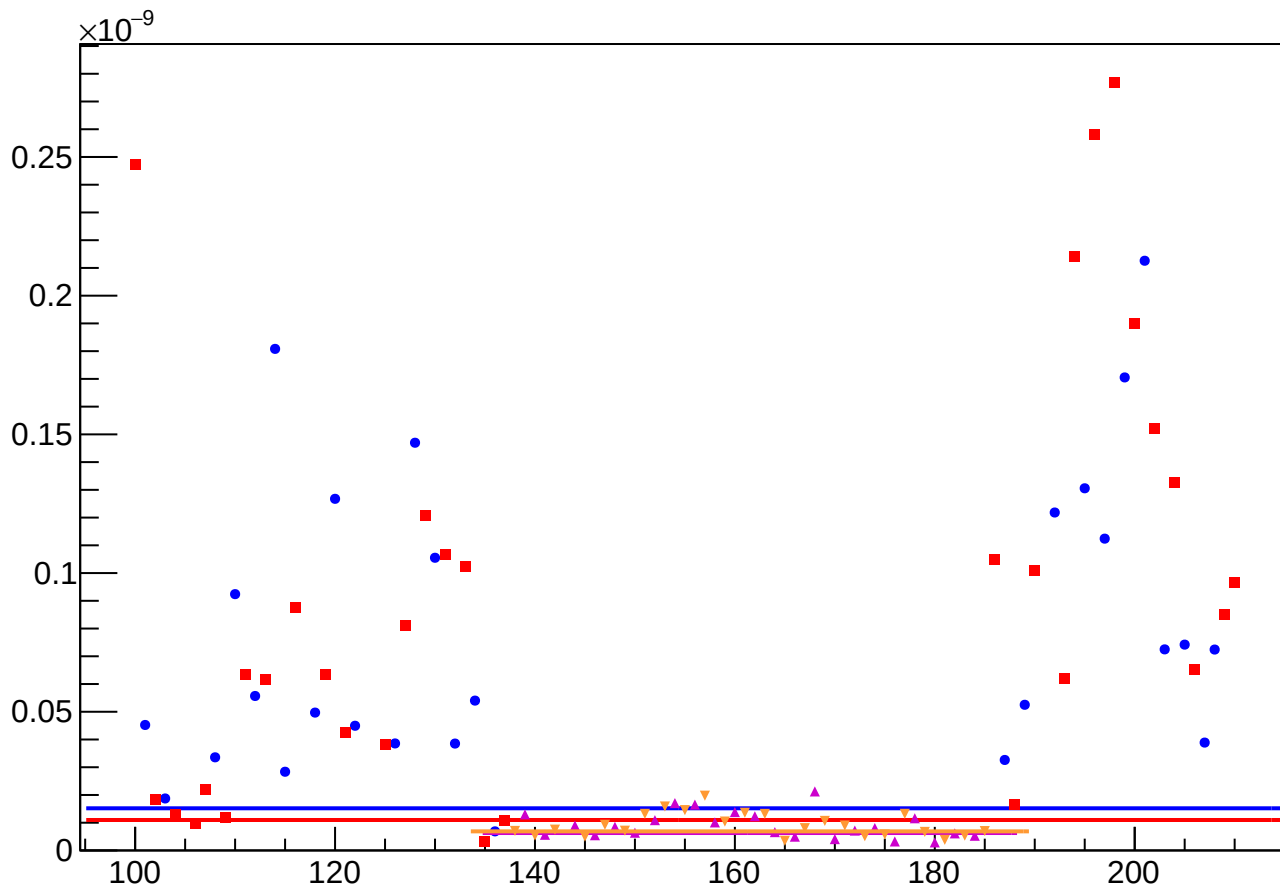
Left In: -0.000+/-0.000 χ^2 /NDF: 24.2/22

+ sign -0.000+/-0.000 χ^2 /NDF: 48.2/50

All: -0.000+/-0.000 χ^2 /NDF: 100.9/104

- sign -0.000+/-0.000 χ^2 /NDF: 52.6/53

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8236376.6/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :2256547.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 10954945.7/30

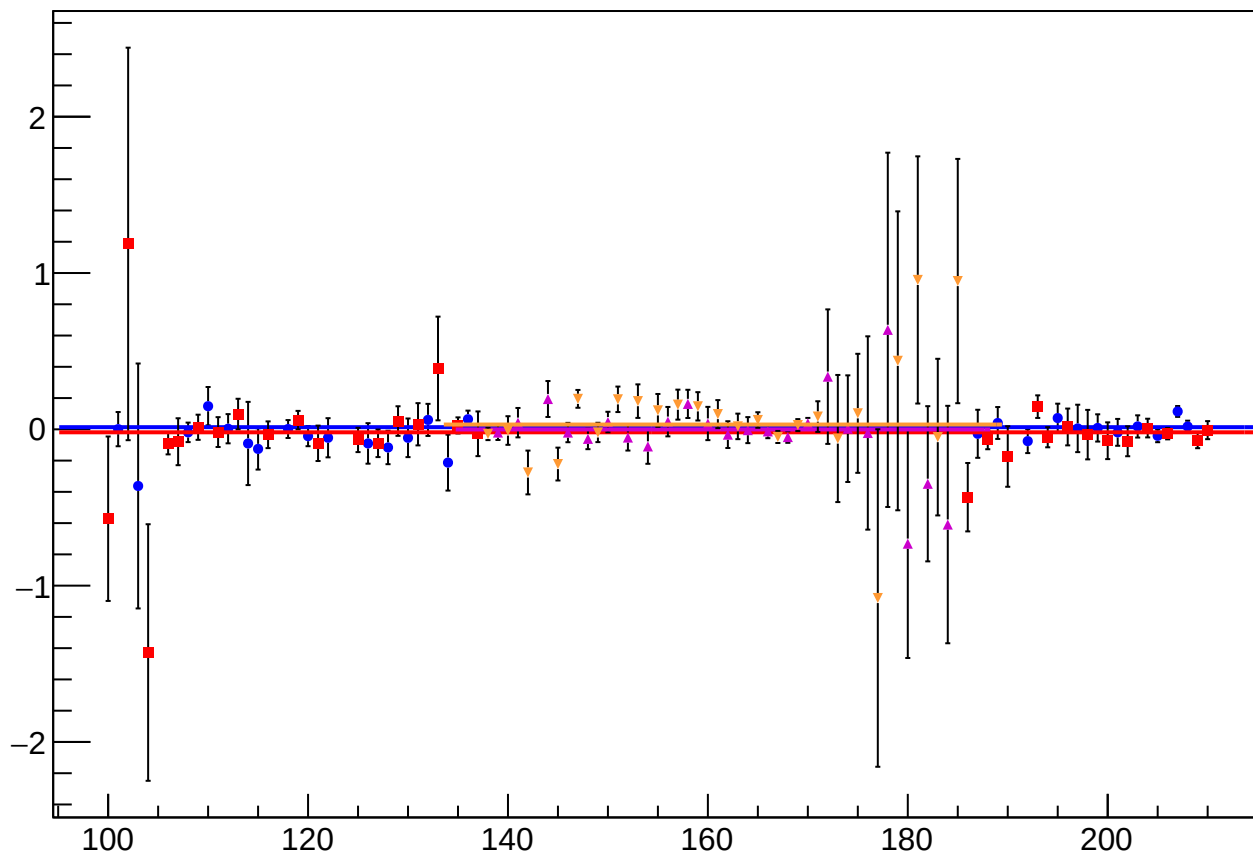
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :2888385.6/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 11781016.3/50

All: 0.000 $\pm$ 0.000 χ^2/NDF : 26281154.0/104

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 14413283.6/53

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 ± 0.014 χ^2/NDF : 21.5/26

Left Out: 0.031 ± 0.015 χ^2/NDF : 41.5/23

Right Out: -0.019 ± 0.014 χ^2/NDF : 26.2/30

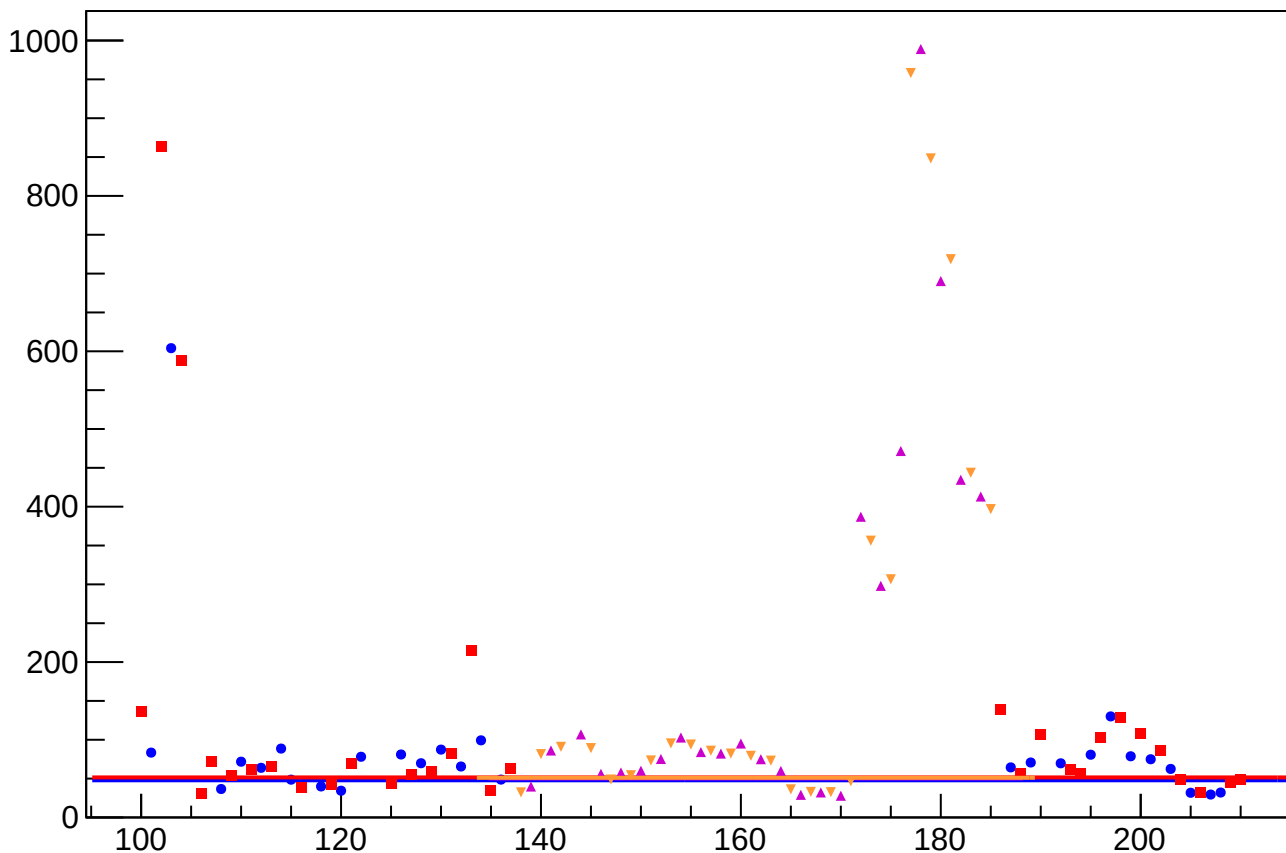
Left In: -0.001 ± 0.015 χ^2/NDF : 16.0/22

+ sign 0.021 ± 0.010 χ^2/NDF : 63.7/50

All: 0.006 ± 0.007 χ^2/NDF : 111.3/104

- sign -0.010 ± 0.010 χ^2/NDF : 42.9/53

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 47.835+/-0.010 χ^2/NDF : 5242887.0/26

Left Out: 51.081+/-0.011 χ^2/NDF : 11736636.7/23

Right Out: 51.523+/-0.010 χ^2/NDF : 5744905.2/30

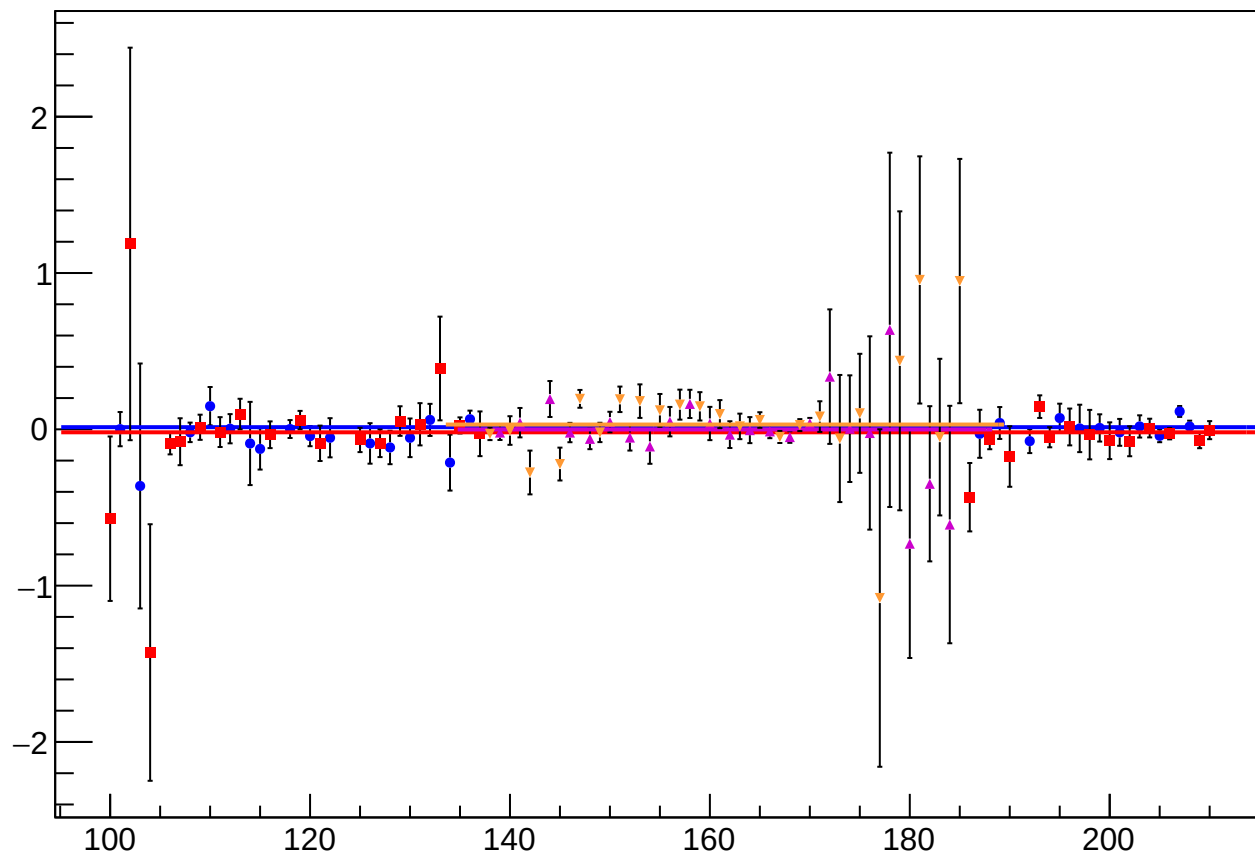
Left In: 50.251+/-0.011 χ^2/NDF : 12195723.8/22

+ sign 49.320+/-0.007 χ^2/NDF : 17027267.0/50

All: 50.118+/-0.005 χ^2/NDF : 34998538.6/104

- sign 50.921+/-0.007 χ^2/NDF : 17947952.7/53

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 ± 0.014 χ^2/NDF : 21.5/26

Left Out: 0.031 ± 0.015 χ^2/NDF : 41.5/23

Right Out: -0.019 ± 0.014 χ^2/NDF : 26.2/30

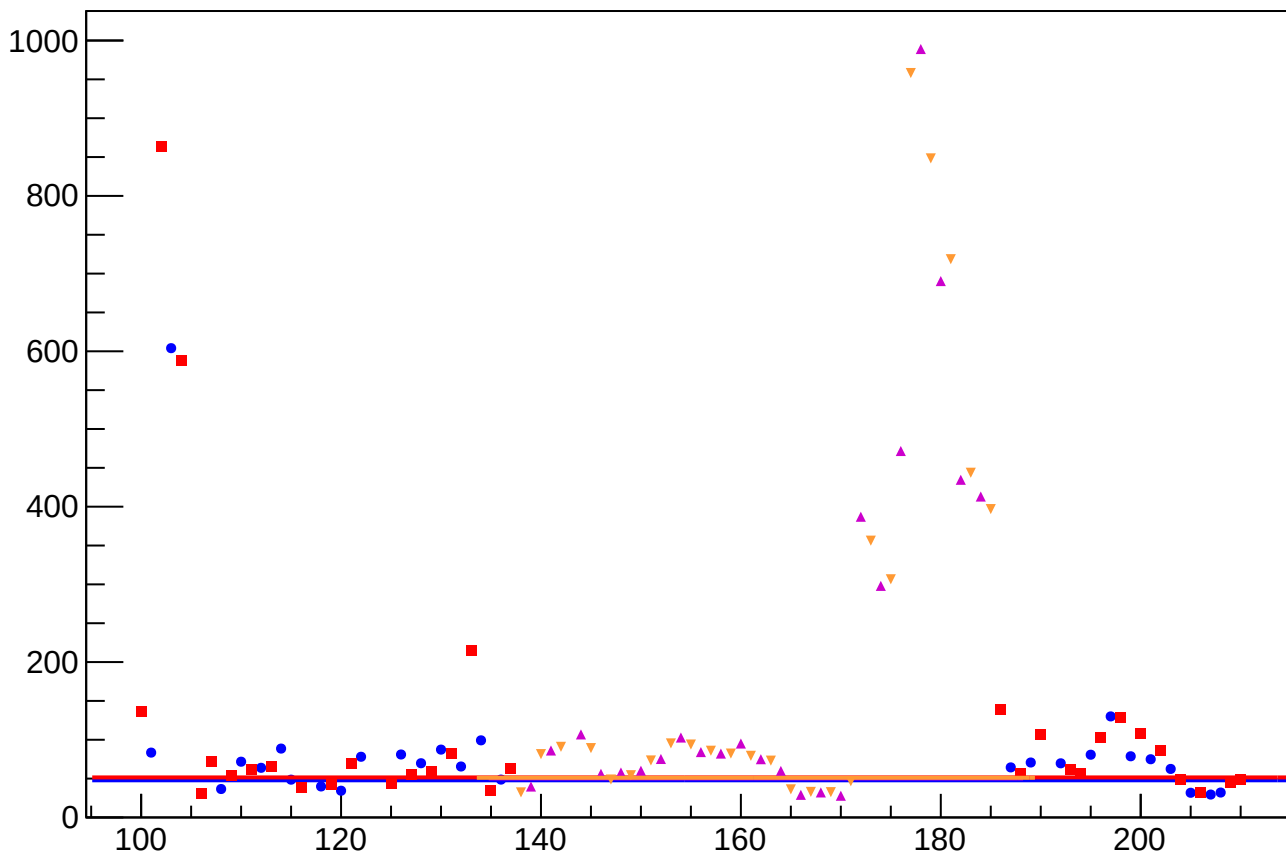
Left In: -0.001 ± 0.015 χ^2/NDF : 16.0/22

+ sign 0.021 ± 0.010 χ^2/NDF : 63.7/50

All: 0.006 ± 0.007 χ^2/NDF : 111.3/104

- sign -0.010 ± 0.010 χ^2/NDF : 42.9/53

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.835 $\pm$ 0.010 χ^2 /NDF: 5242887.0/26

Left Out: 51.081 $\pm$ 0.011 χ^2 /NDF: 11736636.7/23

Right Out: 51.523 $\pm$ 0.010 χ^2 /NDF: 5744905.2/30

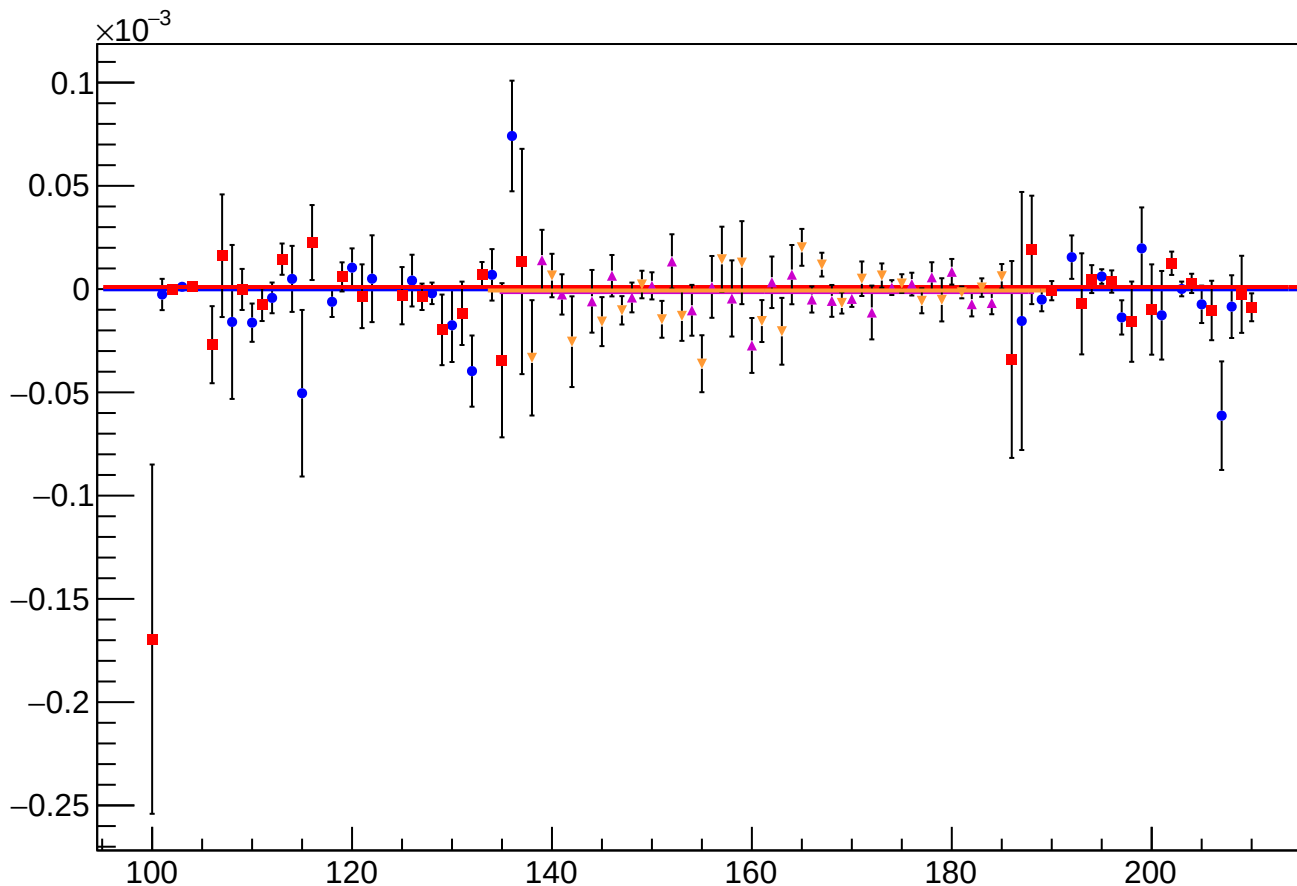
Left In: 50.251 $\pm$ 0.011 χ^2 /NDF: 12195723.8/22

+ sign 49.320 $\pm$ 0.007 χ^2 /NDF: 17027267.0/50

All: 50.118 $\pm$ 0.005 χ^2 /NDF: 34998538.6/104

- sign 50.921 $\pm$ 0.007 χ^2 /NDF: 17947952.7/53

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 38.6/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:38.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.8/30

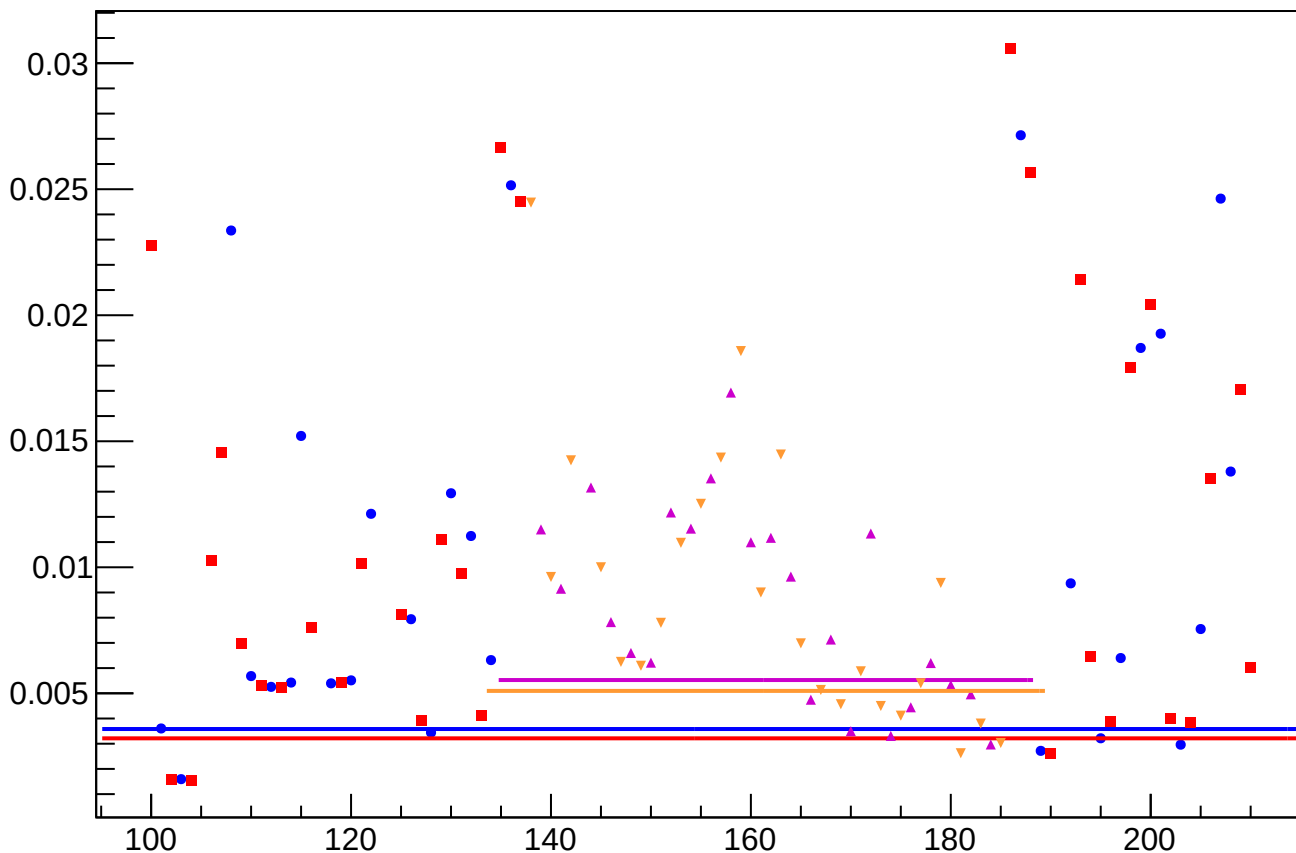
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:16.4/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 77.2/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 123.3/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.9/53

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 12019542.9/26

Left Out: 0.005+/-0.000 χ^2/NDF : 8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF : 15495463.4/30

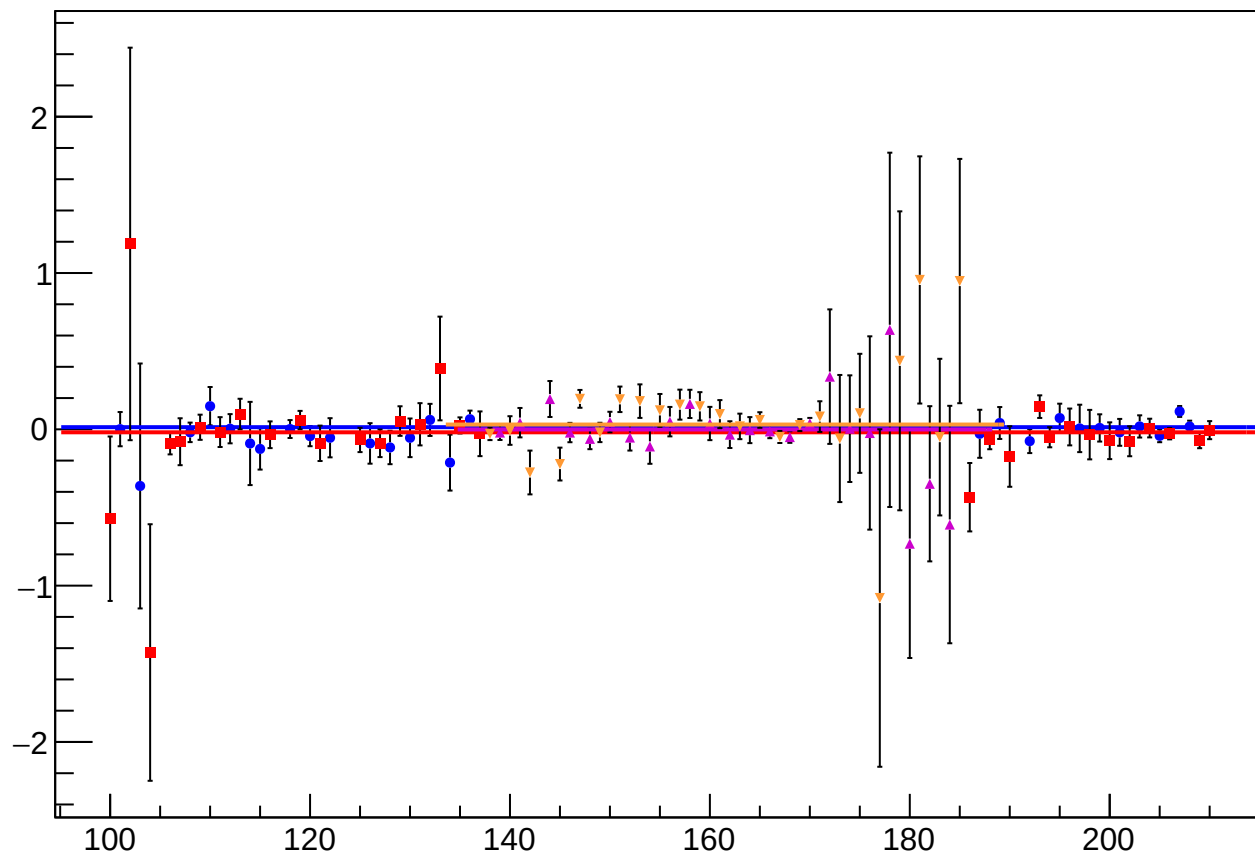
Left In: 0.006+/-0.000 χ^2/NDF : 6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF : 21686327.6/50

All: 0.004+/-0.000 χ^2/NDF : 47242387.6/104

- sign 0.004+/-0.000 χ^2/NDF : 25472436.6/53

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 ± 0.014 χ^2/NDF : 21.5/26

Left Out: 0.031 ± 0.015 χ^2/NDF : 41.5/23

Right Out: -0.019 ± 0.014 χ^2/NDF : 26.2/30

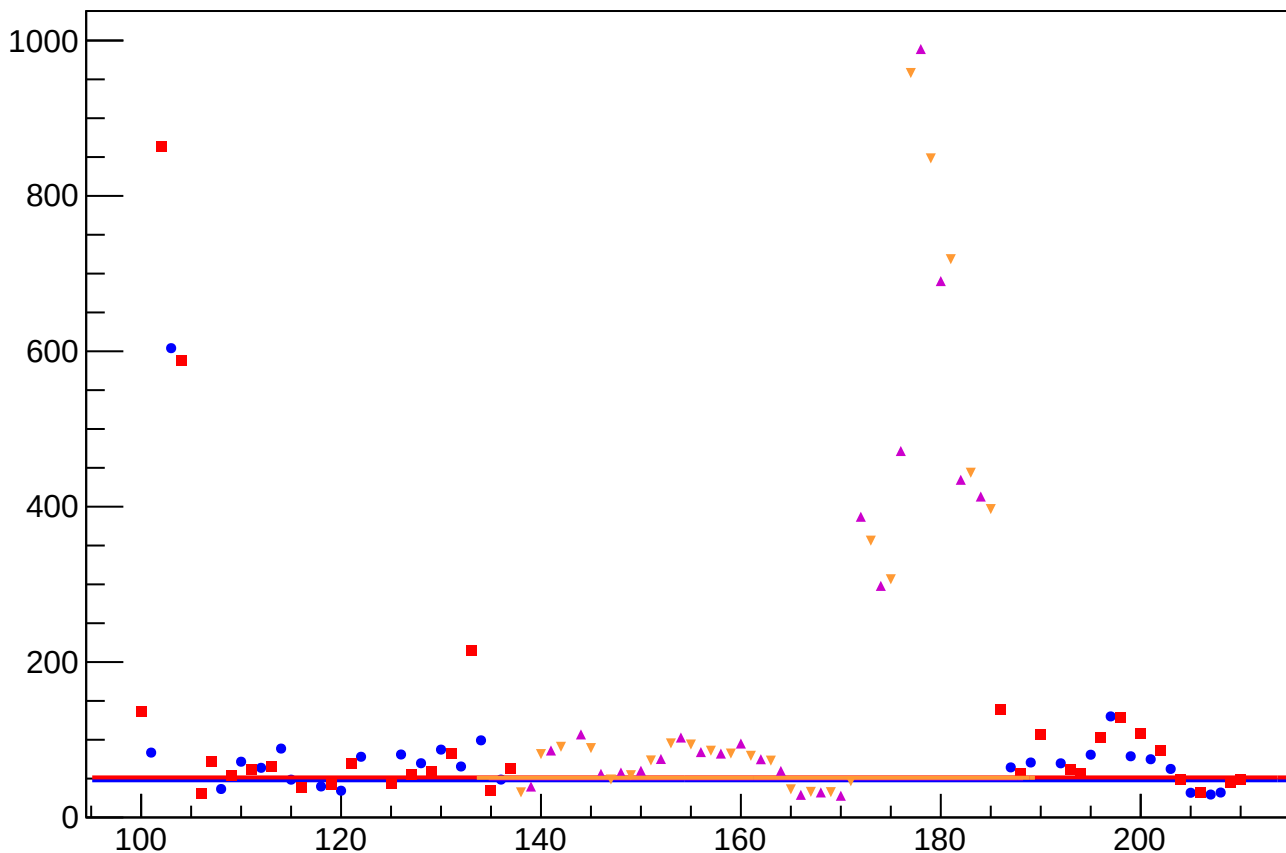
Left In: -0.001 ± 0.015 χ^2/NDF : 16.0/22

+ sign 0.021 ± 0.010 χ^2/NDF : 63.7/50

All: 0.006 ± 0.007 χ^2/NDF : 111.3/104

- sign -0.010 ± 0.010 χ^2/NDF : 42.9/53

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.835+/-0.010 χ^2/NDF : 5242762.6/26

Left Out: 51.083+/-0.011 χ^2/NDF : 11735805.5/23

Right Out: 51.524+/-0.010 χ^2/NDF : 5744623.8/30

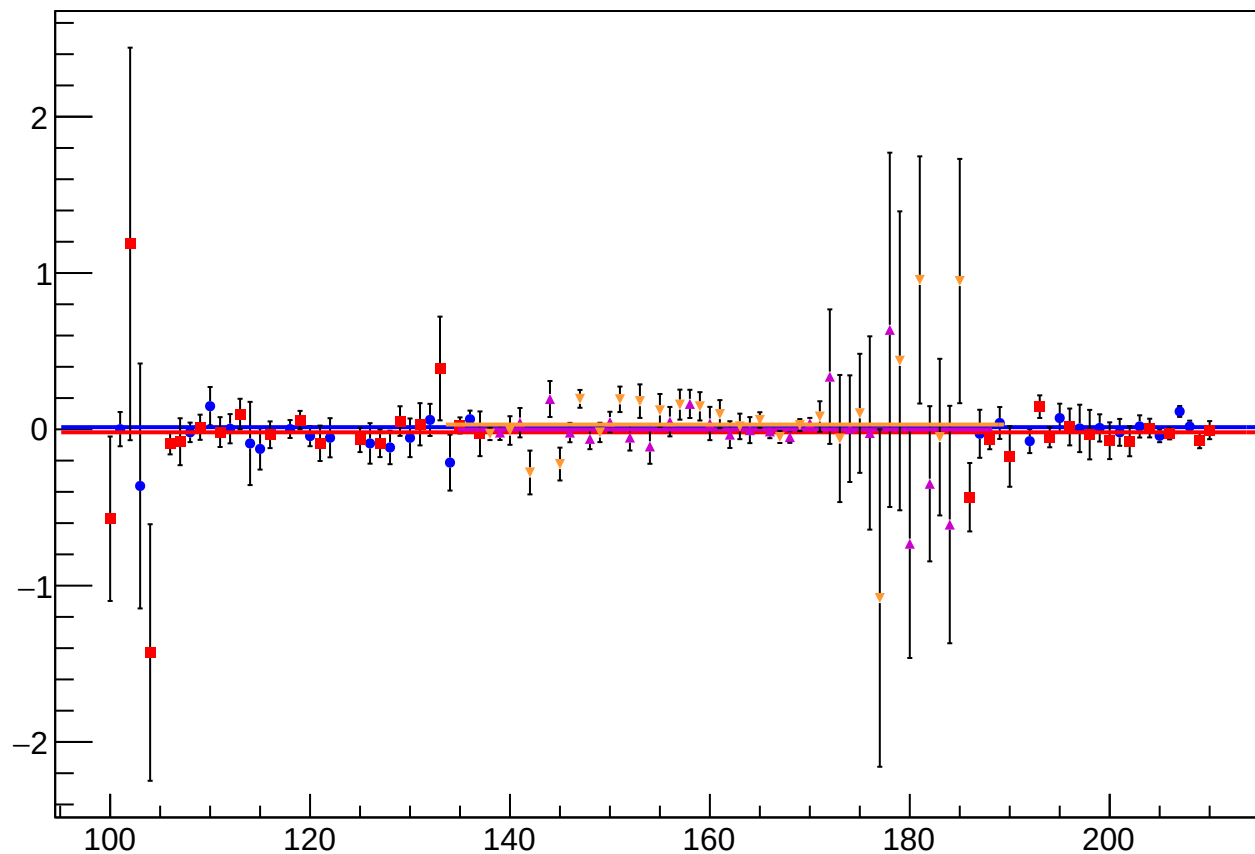
Left In: 50.251+/-0.011 χ^2/NDF : 12195665.4/22

+ sign 49.321+/-0.007 χ^2/NDF : 17026370.6/50

All: 50.119+/-0.005 χ^2/NDF : 34997302.7/104

- sign 50.921+/-0.007 χ^2/NDF : 17947628.8/53

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 ± 0.014 χ^2/NDF : 21.5/26

Left Out: 0.031 ± 0.015 χ^2/NDF : 41.5/23

Right Out: -0.019 ± 0.014 χ^2/NDF : 26.2/30

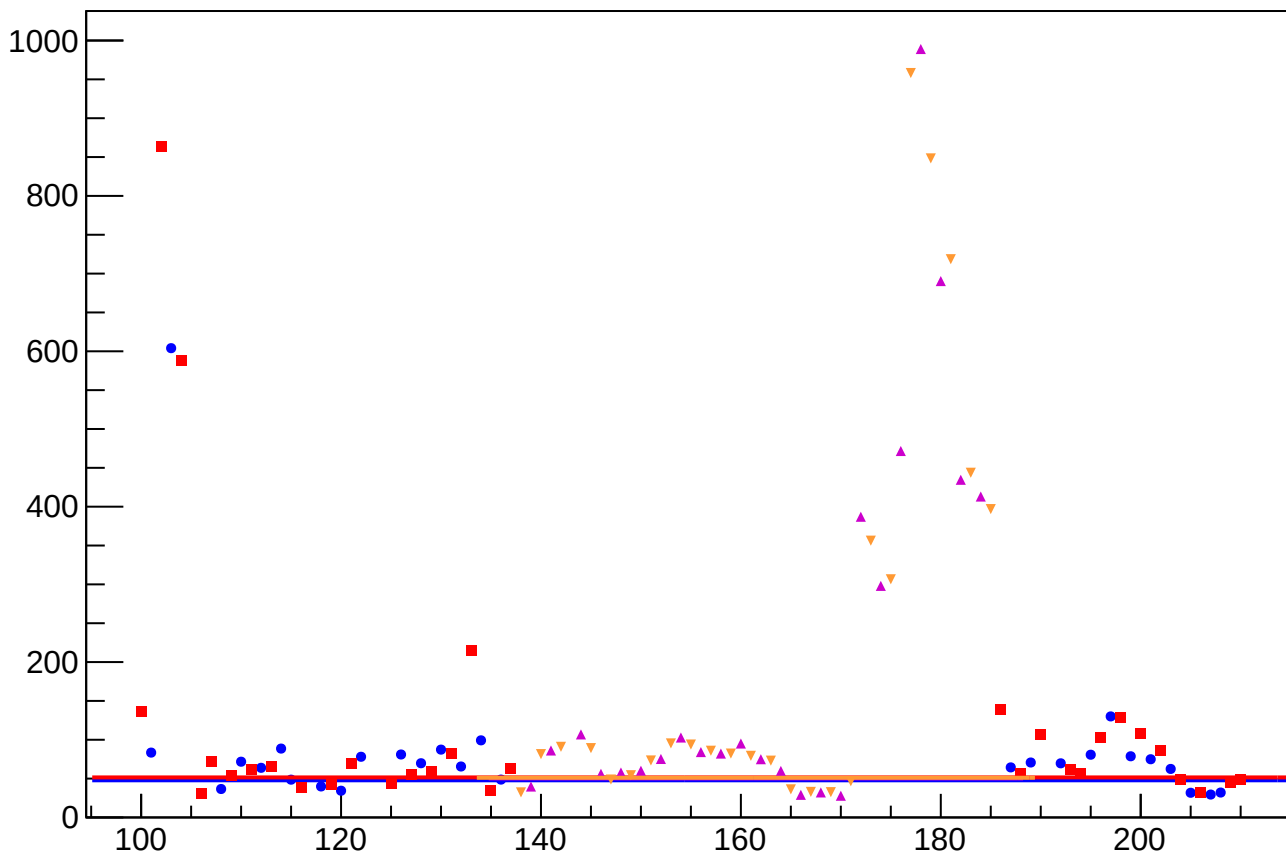
Left In: -0.001 ± 0.015 χ^2/NDF : 16.0/22

+ sign 0.021 ± 0.010 χ^2/NDF : 63.7/50

All: 0.006 ± 0.007 χ^2/NDF : 111.3/104

- sign -0.010 ± 0.010 χ^2/NDF : 42.9/53

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.835+/-0.010 χ^2/NDF : 5242762.6/26

Left Out: 51.083+/-0.011 χ^2/NDF : 11735805.5/23

Right Out: 51.524+/-0.010 χ^2/NDF : 5744623.8/30

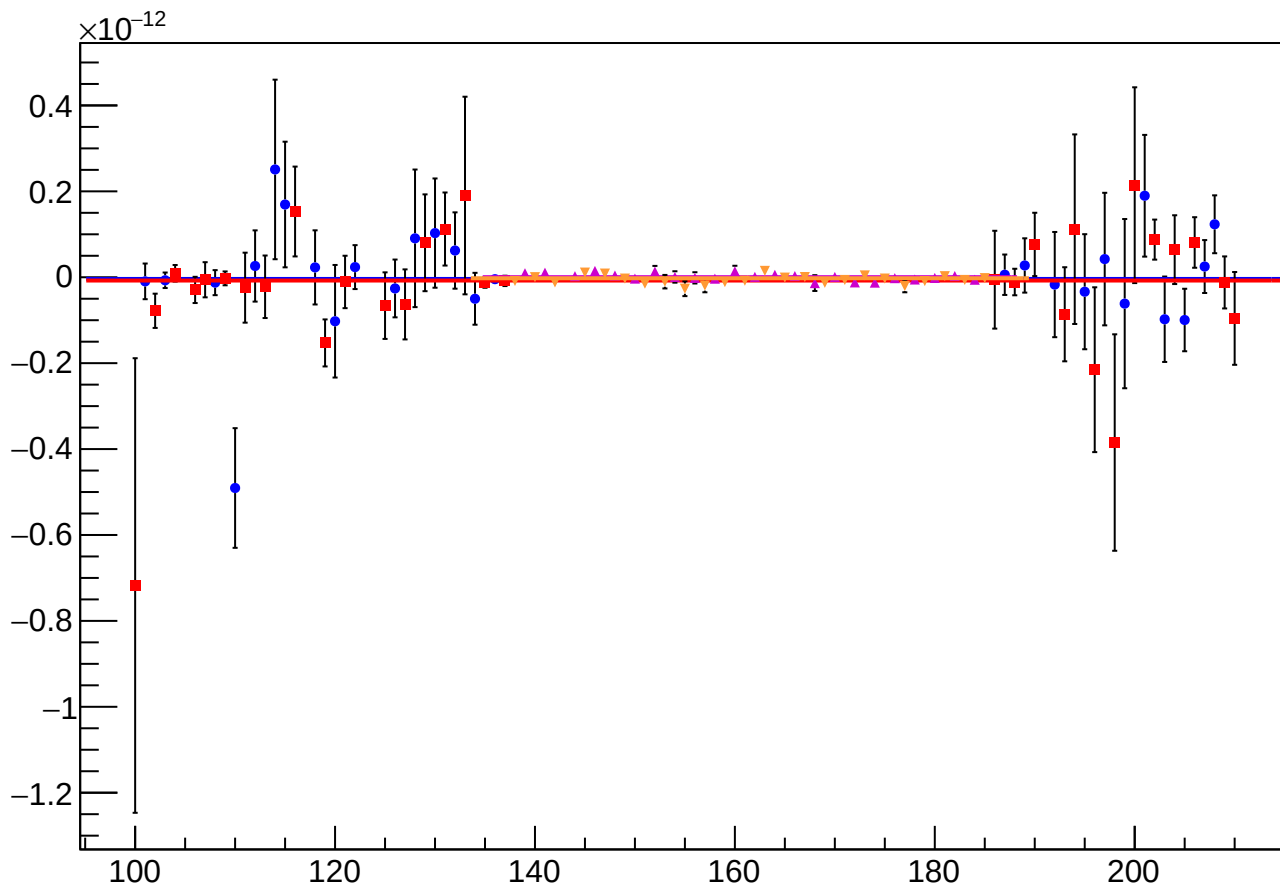
Left In: 50.251+/-0.011 χ^2/NDF : 12195665.4/22

+ sign 49.321+/-0.007 χ^2/NDF : 17026370.6/50

All: 50.119+/-0.005 χ^2/NDF : 34997302.7/104

- sign 50.921+/-0.007 χ^2/NDF : 17947628.8/53

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 27.4/26

Left Out: -0.000+/-0.000 χ^2 /NDF:22.2/23

Right Out: -0.000+/-0.000 χ^2 /NDF: 34.7/30

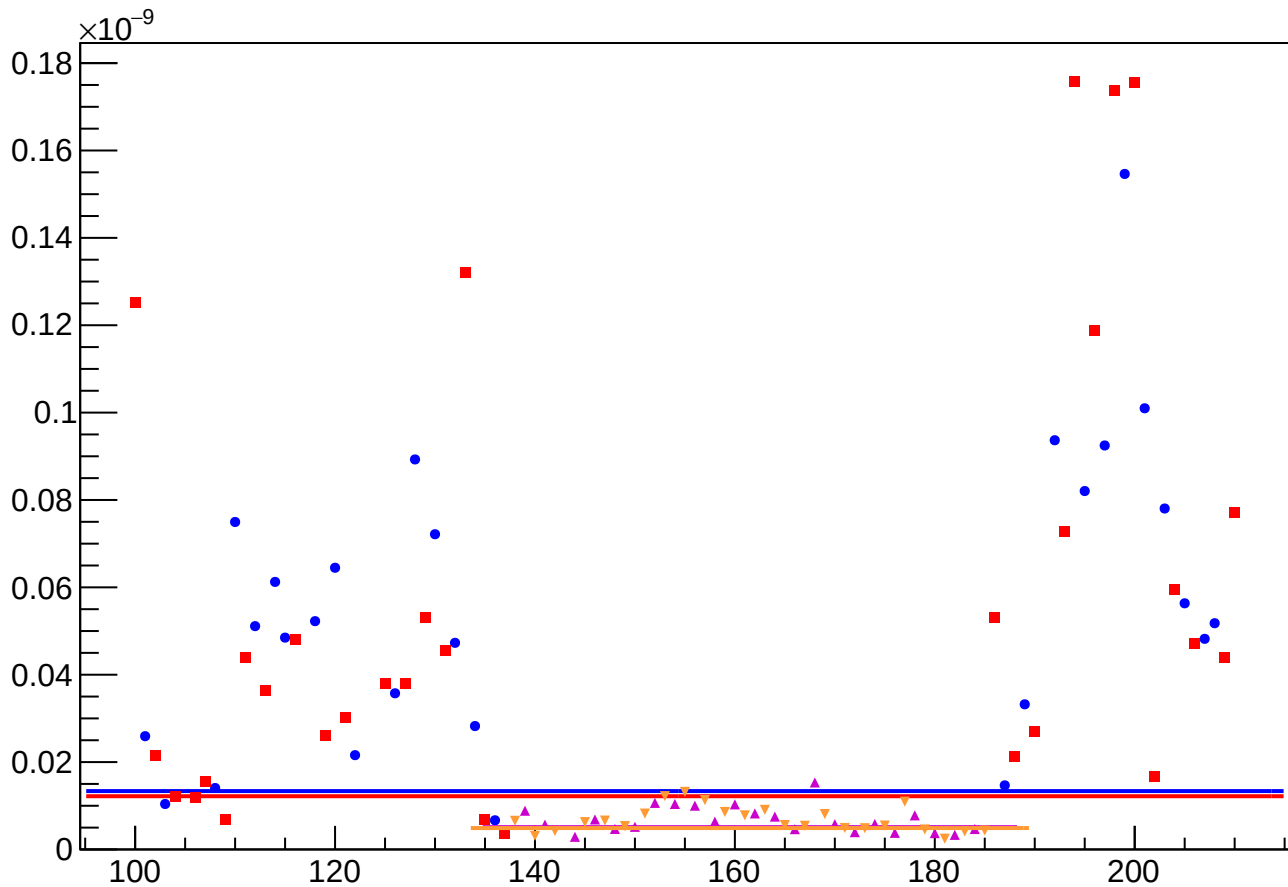
Left In: 0.000+/-0.000 χ^2 /NDF:18.2/22

+ sign -0.000+/-0.000 χ^2 /NDF: 49.7/50

All: -0.000+/-0.000 χ^2 /NDF: 105.2/104

- sign -0.000+/-0.000 χ^2 /NDF: 54.5/53

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11616982.8/26

Left Out: 0.000+/-0.000 χ^2/NDF : 4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 11785720.7/30

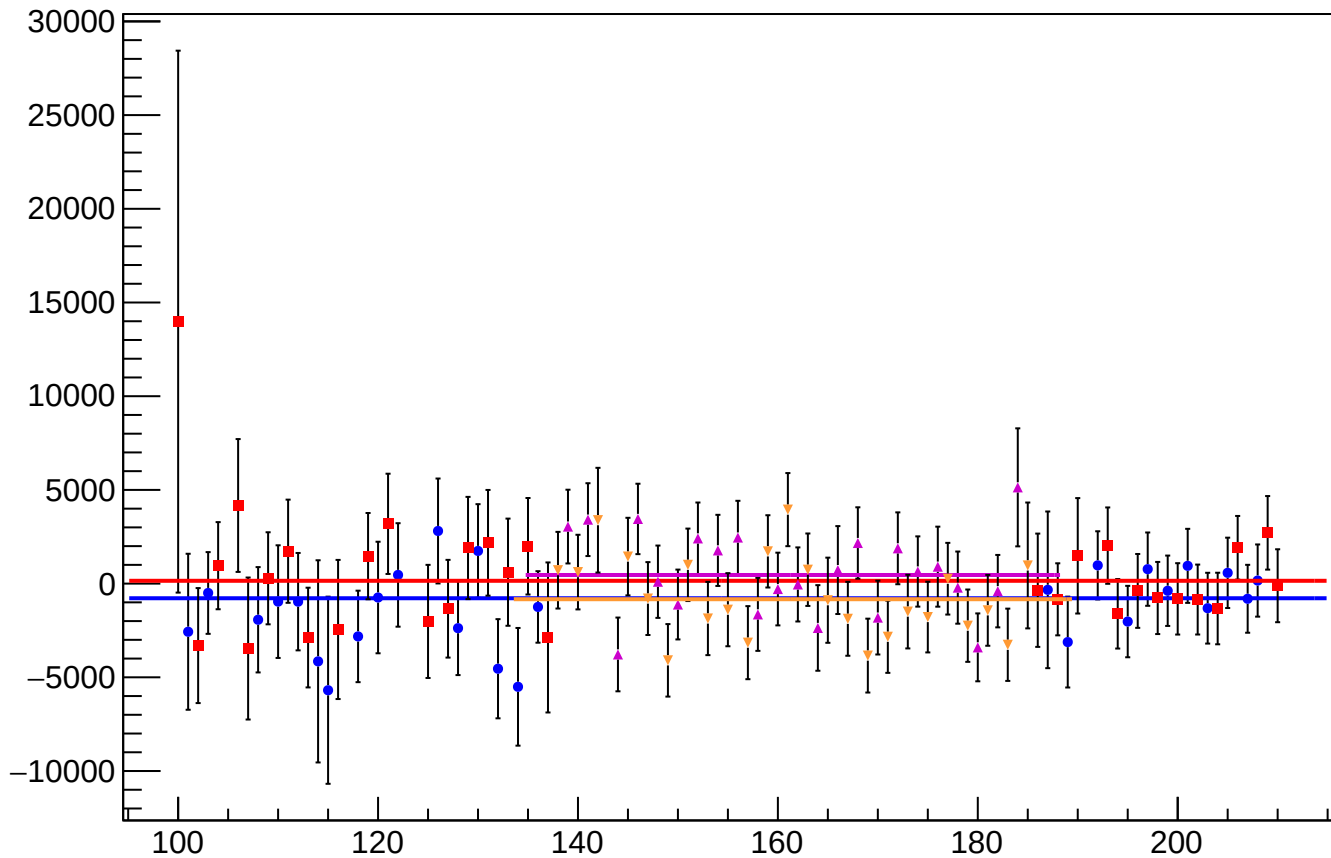
Left In: 0.000+/-0.000 χ^2/NDF : 3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 19074018.1/50

All: 0.000+/-0.000 χ^2/NDF : 37172642.5/104

- sign 0.000+/-0.000 χ^2/NDF : 18077181.9/53

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -780.948 ± 454.026 χ^2/NDF : 14.6/26

Left Out: -832.582 ± 410.448 χ^2/NDF : 25.4/23

Right Out: 150.180 ± 430.699 χ^2/NDF : 17.6/30

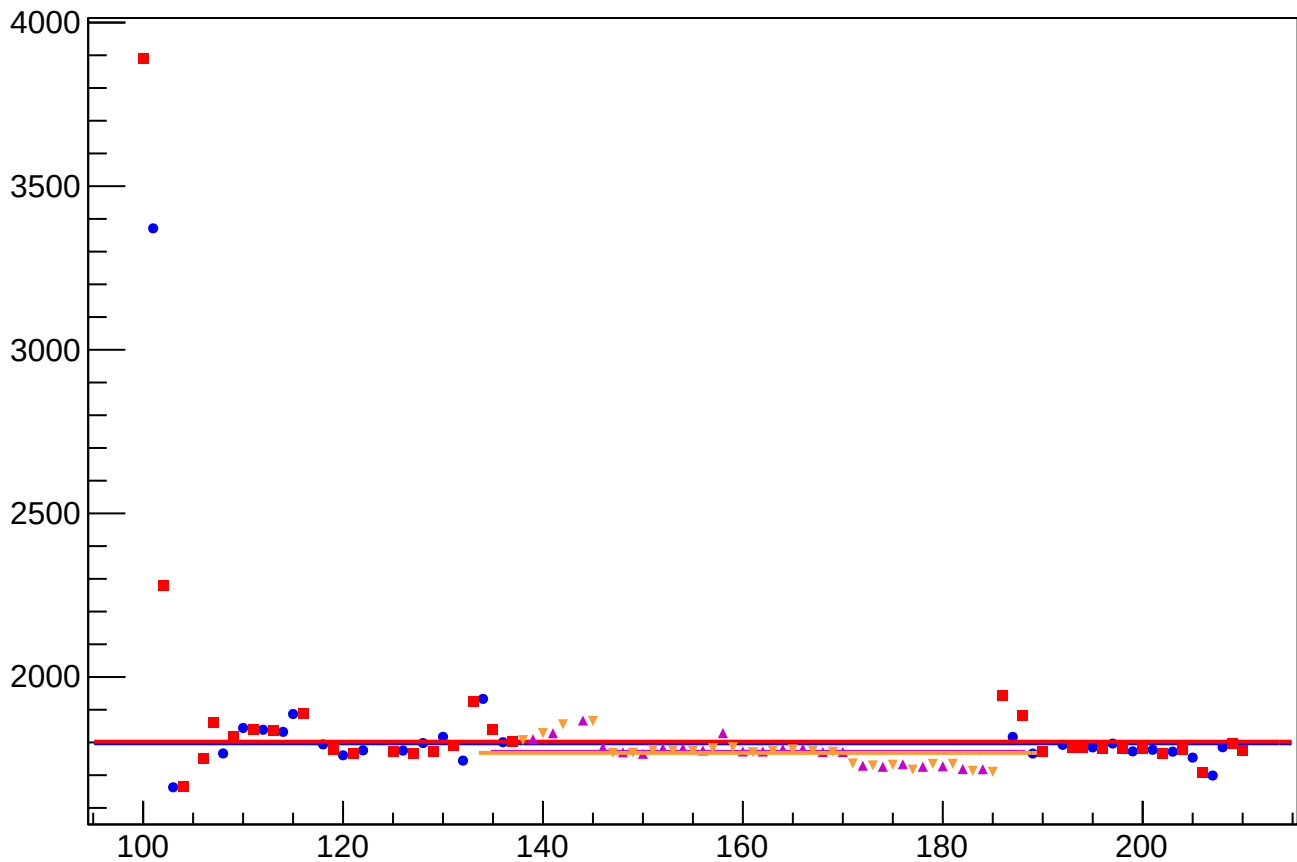
Left In: 459.594 ± 413.637 χ^2/NDF : 27.3/22

+ sign -809.362 ± 304.474 χ^2/NDF : 40.1/50

All: -237.702 ± 213.092 χ^2/NDF : 92.1/104

- sign 311.137 ± 298.335 χ^2/NDF : 45.1/53

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.545 $\pm$ 0.321 χ^2 /NDF: 309218.7/26

Left Out: 1768.125 $\pm$ 0.290 χ^2 /NDF: 16358.2/23

Right Out: 1802.295 $\pm$ 0.305 χ^2 /NDF: 122281.3/30

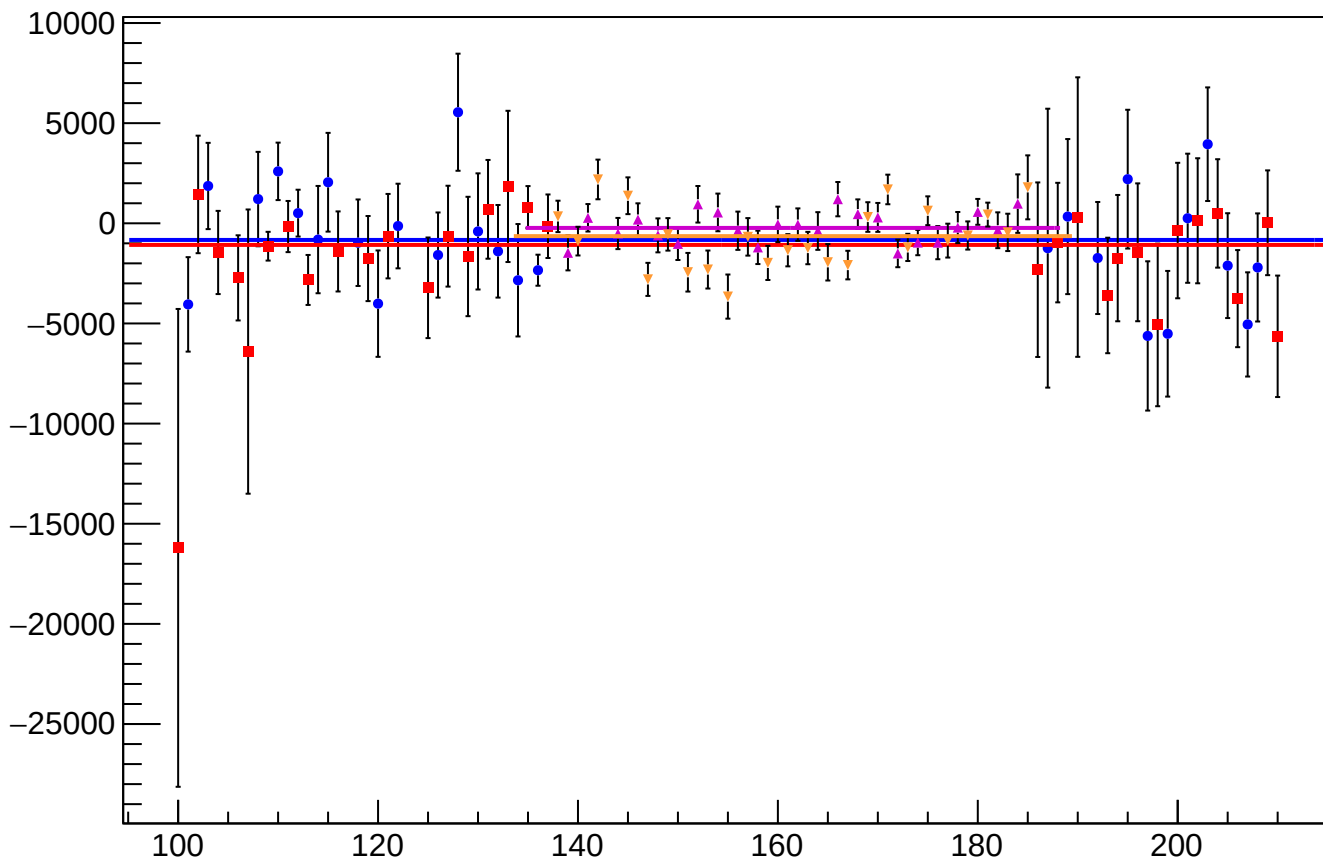
Left In: 1771.217 $\pm$ 0.292 χ^2 /NDF: 16425.7/22

+ sign 1781.356 $\pm$ 0.215 χ^2 /NDF: 330198.0/50

All: 1783.791 $\pm$ 0.151 χ^2 /NDF: 474572.4/104

- sign 1786.128 $\pm$ 0.211 χ^2 /NDF: 144123.7/53

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug



Right In: -830.775 $\pm$ 400.346 χ^2 /NDF: 34.3/26

Left Out: -641.029 $\pm$ 166.449 χ^2 /NDF:66.7/23

Right Out: -1078.446 $\pm$ 358.888 χ^2 /NDF: 17.8/30

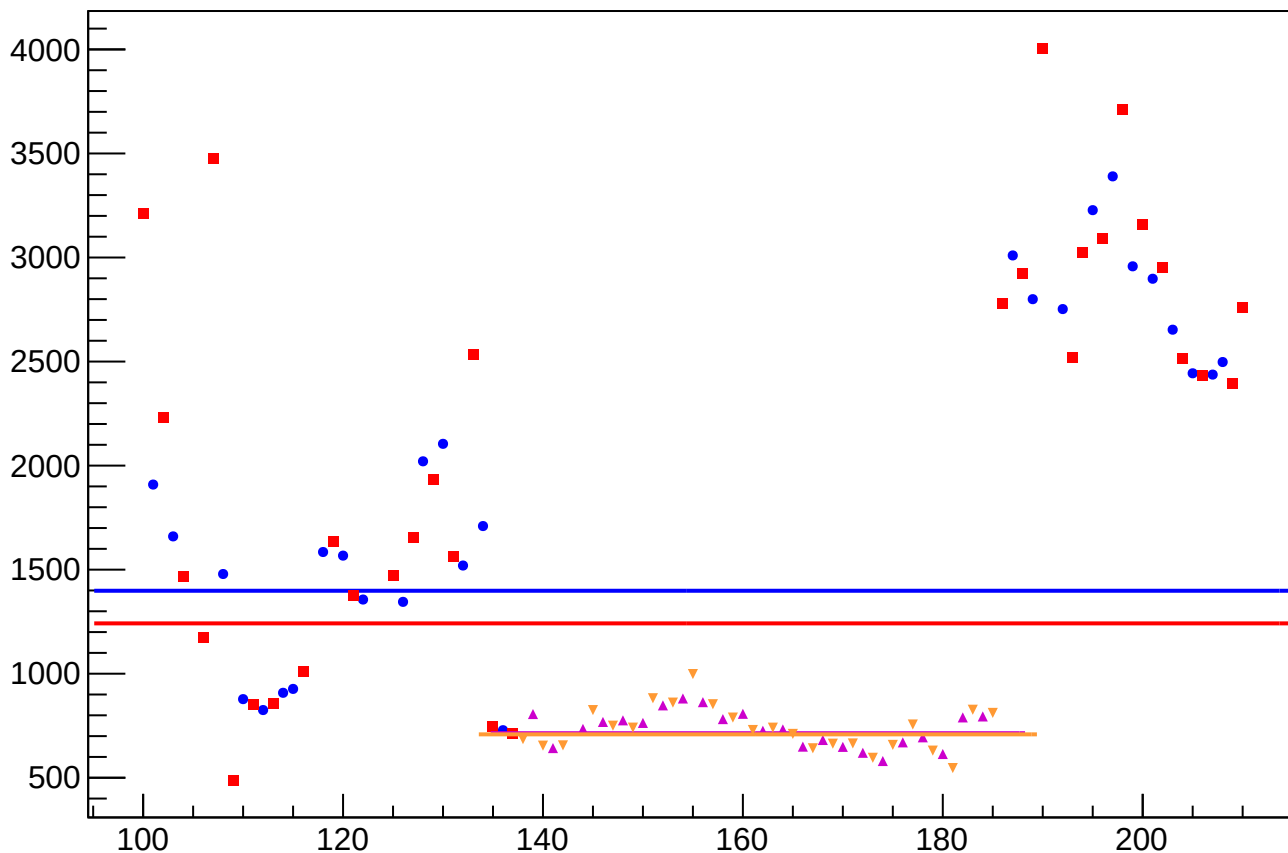
Left In: -230.653 $\pm$ 168.319 χ^2 /NDF:19.9/22

+ sign -668.994 $\pm$ 153.695 χ^2 /NDF: 101.2/50

All: -525.038 $\pm$ 108.215 χ^2 /NDF: 145.3/104

- sign -383.513 $\pm$ 152.391 χ^2 /NDF: 42.3/53

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1398.589 $\pm$ 0.283 χ^2 /NDF: 7024552.7/26

Left Out: 708.503 $\pm$ 0.118 χ^2 /NDF: 700473.3/23

Right Out: 1241.811 $\pm$ 0.254 χ^2 /NDF: 10919110.8/30

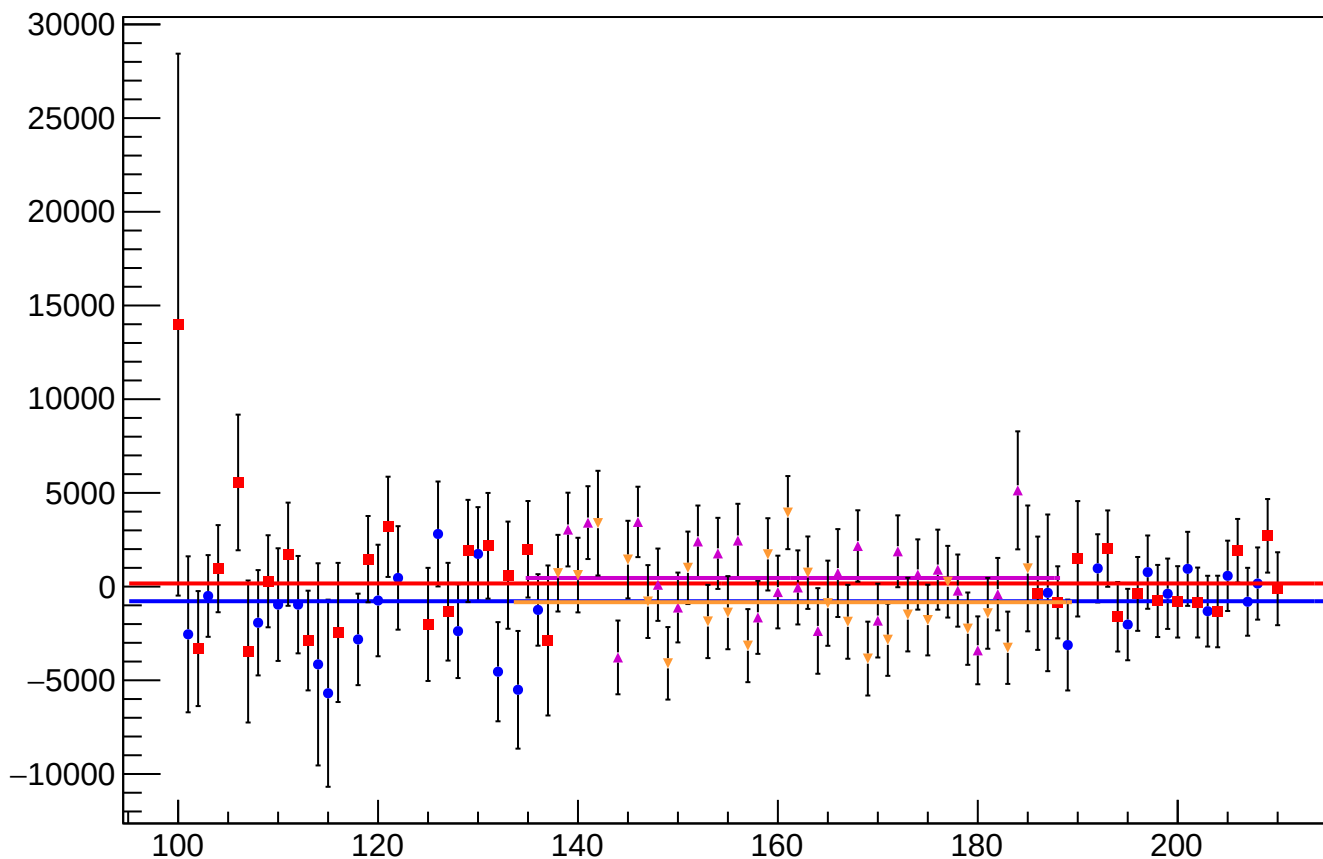
Left In: 714.162 $\pm$ 0.119 χ^2 /NDF: 497246.5/22

+ sign 810.209 $\pm$ 0.109 χ^2 /NDF: 12791671.0/50

All: 809.750 $\pm$ 0.077 χ^2 /NDF: 27751753.5/10

- sign 809.299 $\pm$ 0.108 χ^2 /NDF: 14960047.0/53

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -780.705 $\pm$ 454.026 χ^2 /NDF: 14.6/26

Left Out: -832.476 $\pm$ 410.448 χ^2 /NDF: 25.4/23

Right Out: 167.412 $\pm$ 430.829 χ^2 /NDF: 18.5/30

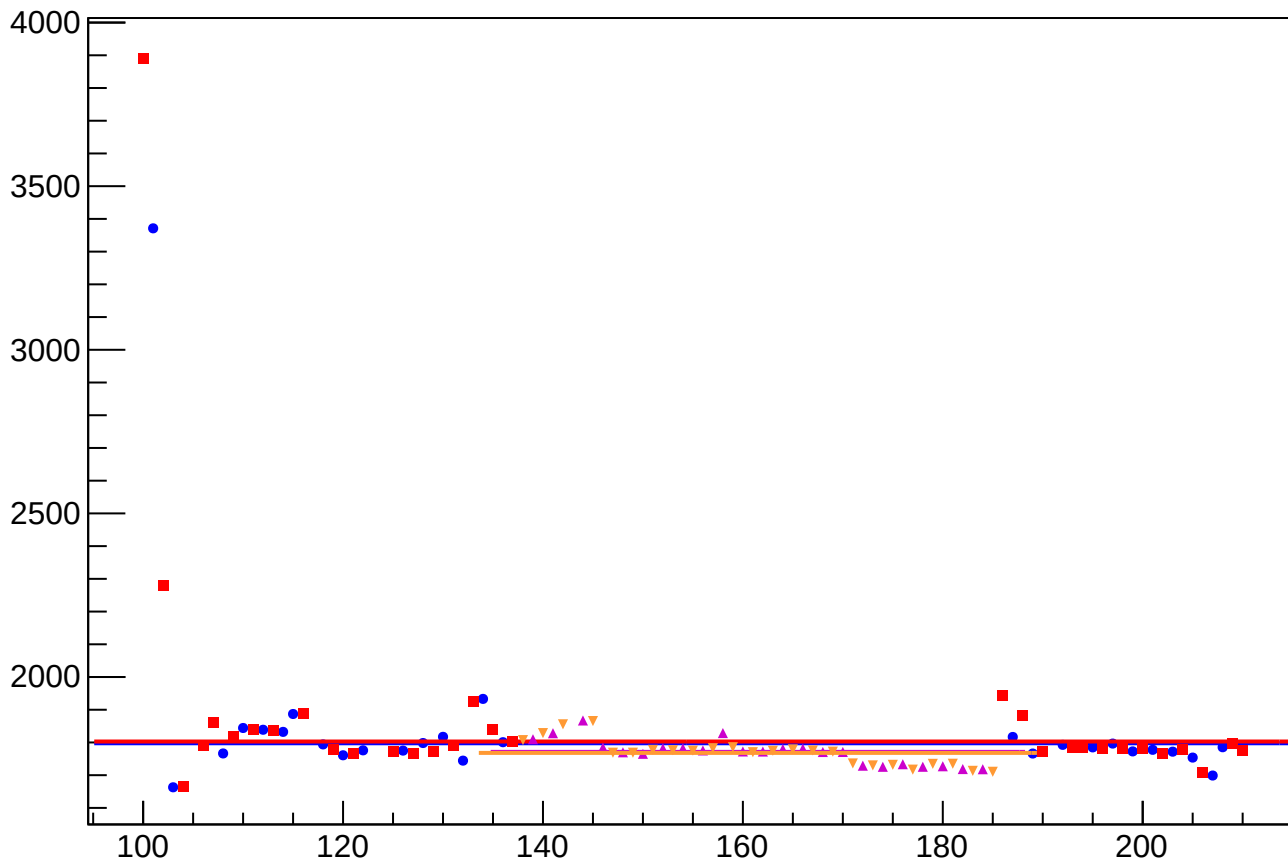
Left In: 459.554 $\pm$ 413.637 χ^2 /NDF: 27.3/22

+ sign -809.194 $\pm$ 304.474 χ^2 /NDF: 40.1/50

All: -233.471 $\pm$ 213.108 χ^2 /NDF: 93.1/104

- sign 319.428 $\pm$ 298.378 χ^2 /NDF: 46.0/53

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.545 $\pm$ 0.321 χ^2 /NDF: 309220.6/26

Left Out: 1768.125 $\pm$ 0.290 χ^2 /NDF: 16358.2/23

Right Out: 1802.905 $\pm$ 0.305 χ^2 /NDF: 121869.9/30

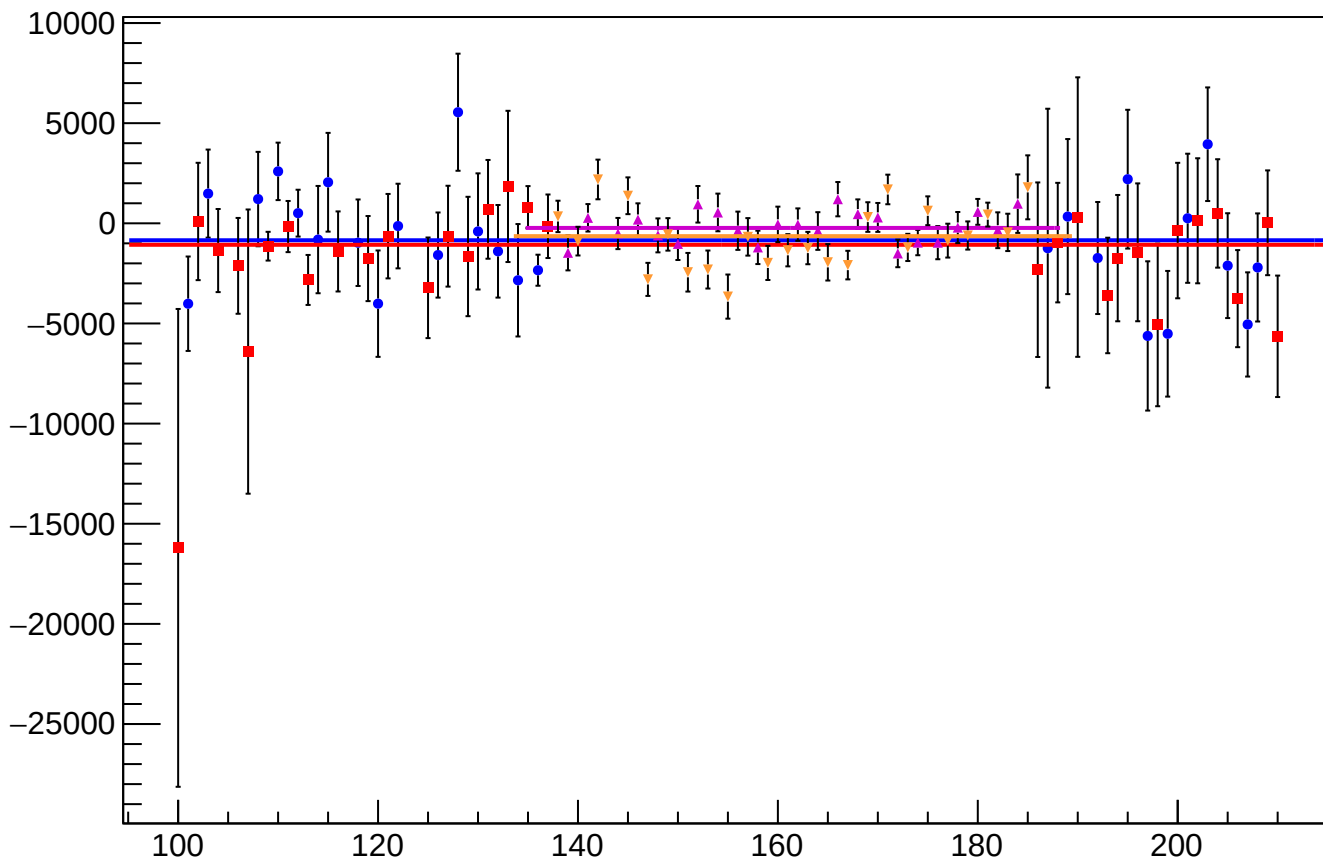
Left In: 1771.217 $\pm$ 0.292 χ^2 /NDF: 16425.7/22

+ sign 1781.356 $\pm$ 0.215 χ^2 /NDF: 330199.8/50

All: 1783.937 $\pm$ 0.151 χ^2 /NDF: 474407.1/104

- sign 1786.417 $\pm$ 0.211 χ^2 /NDF: 143925.5/53

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug



Right In: -846.289+/-400.621 χ^2/NDF : 33.8/26

Left Out: -641.004+/-166.450 χ^2/NDF : 66.7/23

Right Out: -1072.068+/-359.944 χ^2/NDF : 16.8/30

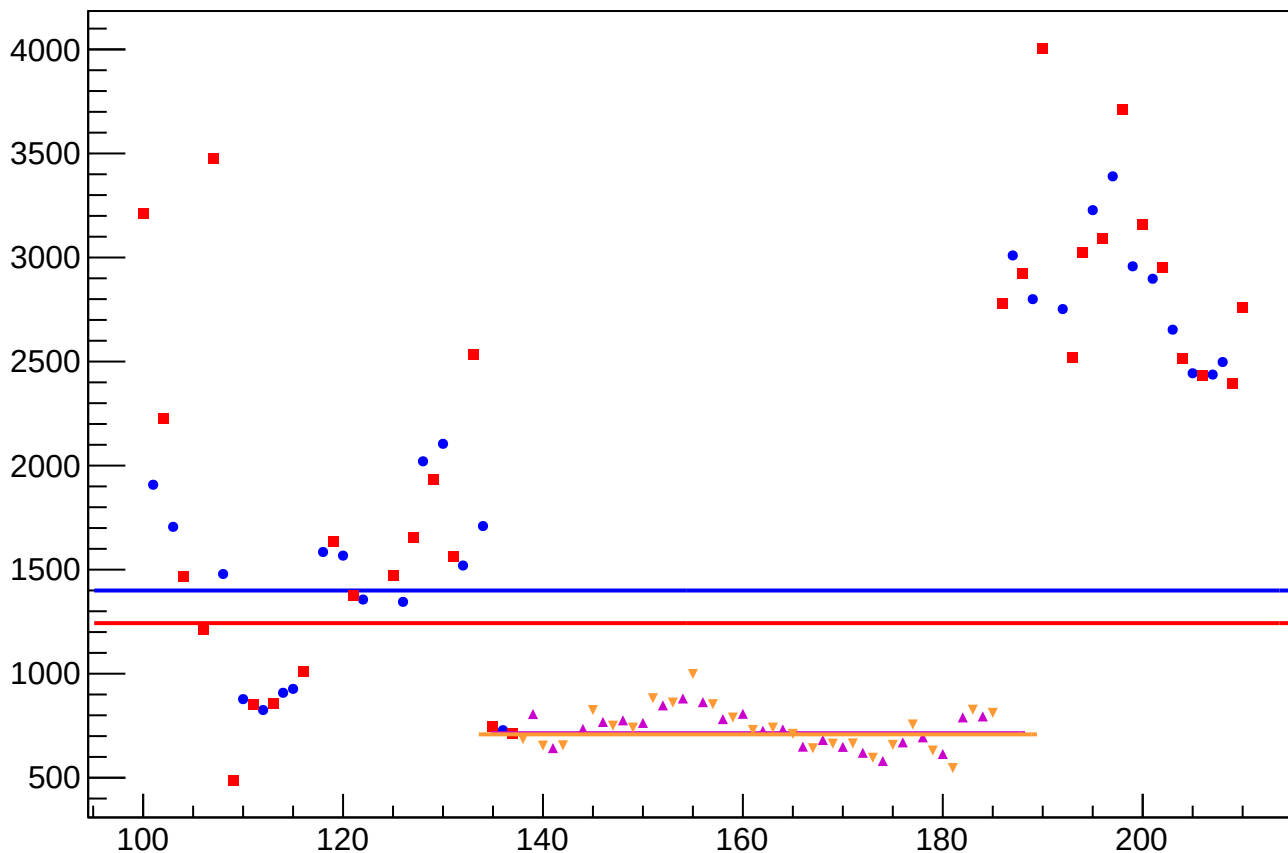
Left In: -230.572+/-168.320 χ^2/NDF : 19.9/22

+ sign -671.225+/-153.711 χ^2/NDF : 100.7/50

All: -525.225+/-108.250 χ^2/NDF : 143.8/104

- sign -381.569+/-152.473 χ^2/NDF : 41.2/53

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1399.748 $\pm$ 0.283 χ^2 /NDF: 7033819.6/26

Left Out: 708.508 $\pm$ 0.118 χ^2 /NDF: 700448.7/23

+ sign 810.267 $\pm$ 0.109 χ^2 /NDF: 12811908.4/50

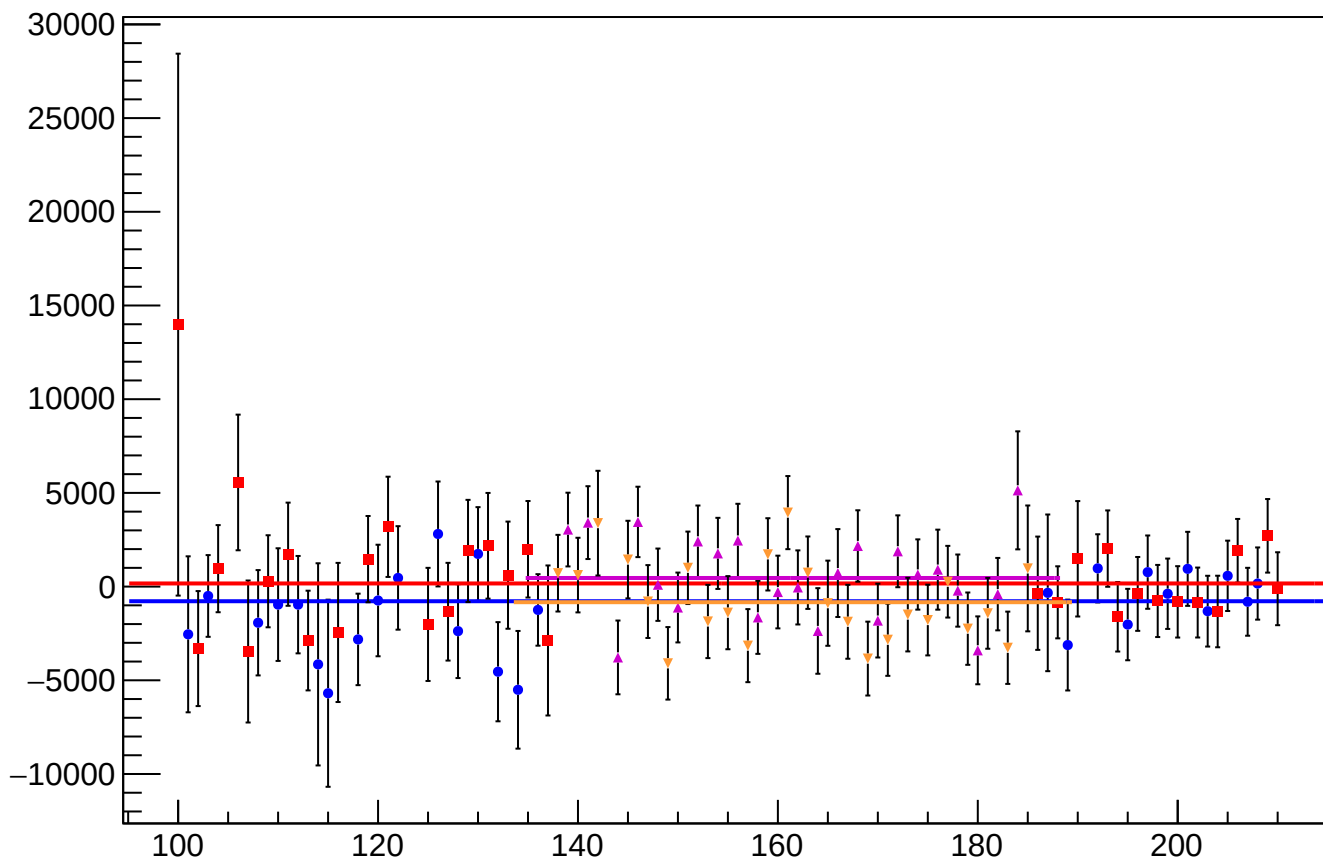
Right Out: 1243.048 $\pm$ 0.255 χ^2 /NDF: 10916322.2/30

All: 809.663 $\pm$ 0.077 χ^2 /NDF: 27768663.2/10

Left In: 714.168 $\pm$ 0.119 χ^2 /NDF: 497252.3/22

- sign 809.069 $\pm$ 0.108 χ^2 /NDF: 14956693.6/53

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -780.705 $\pm$ 454.026 χ^2 /NDF: 14.6/26

Left Out: -832.476 $\pm$ 410.448 χ^2 /NDF: 25.4/23

Right Out: 167.412 $\pm$ 430.829 χ^2 /NDF: 18.5/30

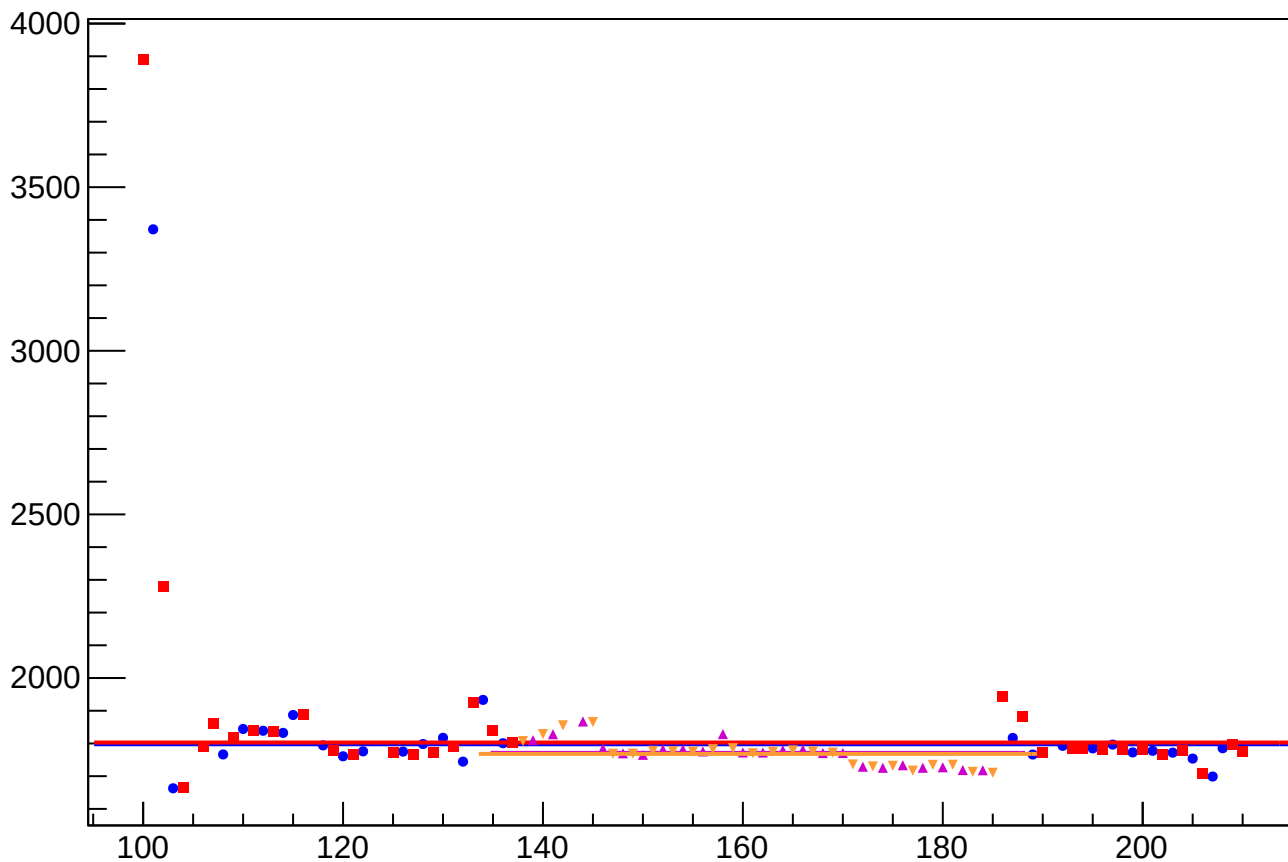
Left In: 459.554 $\pm$ 413.637 χ^2 /NDF: 27.3/22

+ sign -809.194 $\pm$ 304.474 χ^2 /NDF: 40.1/50

All: -233.471 $\pm$ 213.108 χ^2 /NDF: 93.1/104

- sign 319.428 $\pm$ 298.378 χ^2 /NDF: 46.0/53

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.545 $\pm$ 0.321 χ^2 /NDF: 309220.6/26

Left Out: 1768.125 $\pm$ 0.290 χ^2 /NDF: 16358.2/23

Right Out: 1802.905 $\pm$ 0.305 χ^2 /NDF: 121869.9/30

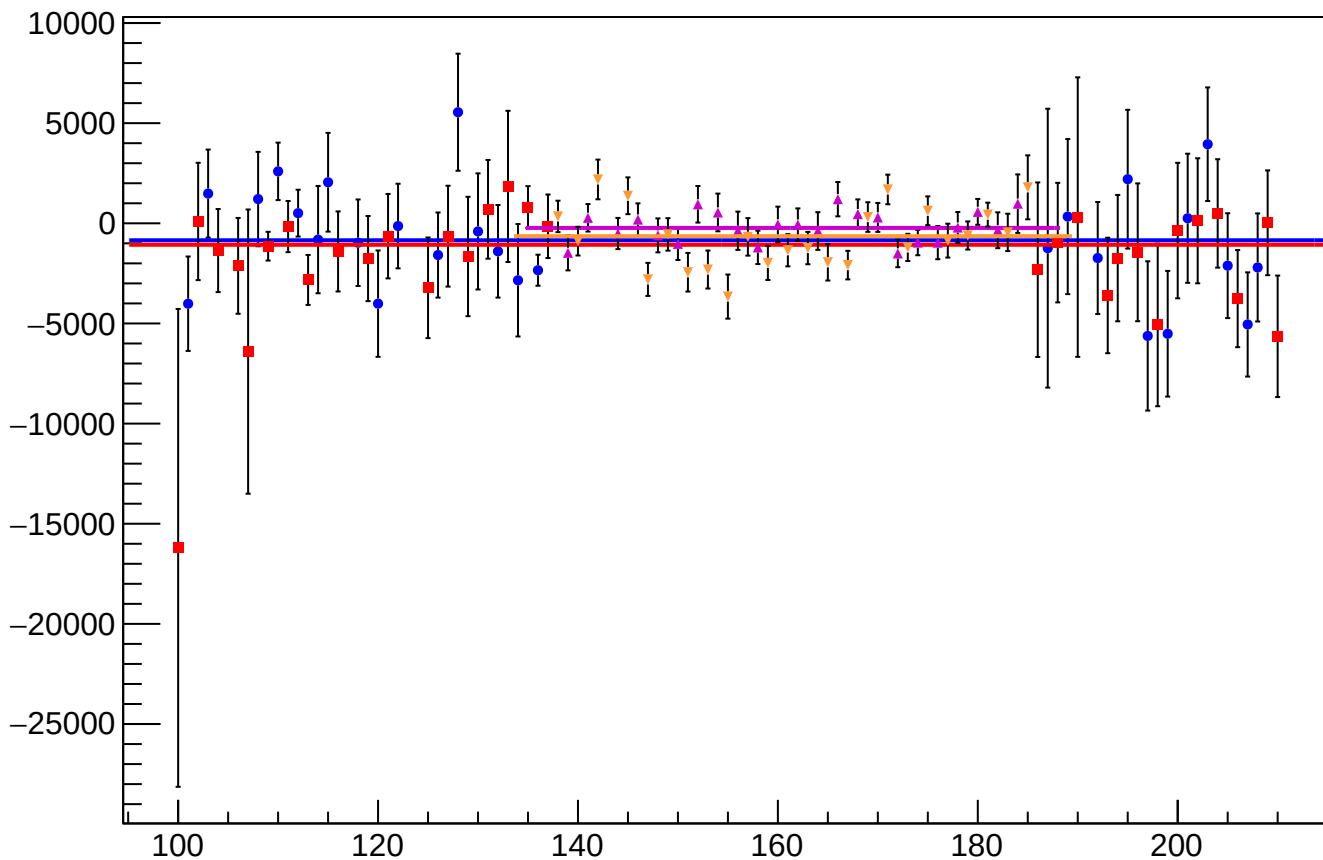
Left In: 1771.217 $\pm$ 0.292 χ^2 /NDF: 16425.7/22

+ sign 1781.356 $\pm$ 0.215 χ^2 /NDF: 330199.8/50

All: 1783.937 $\pm$ 0.151 χ^2 /NDF: 474407.1/104

- sign 1786.417 $\pm$ 0.211 χ^2 /NDF: 143925.5/53

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -846.289+/-400.621 χ^2/NDF : 33.8/26

Left Out: -641.004+/-166.450 χ^2/NDF : 66.7/23

Right Out: -1072.068+/-359.944 χ^2/NDF : 16.8/30

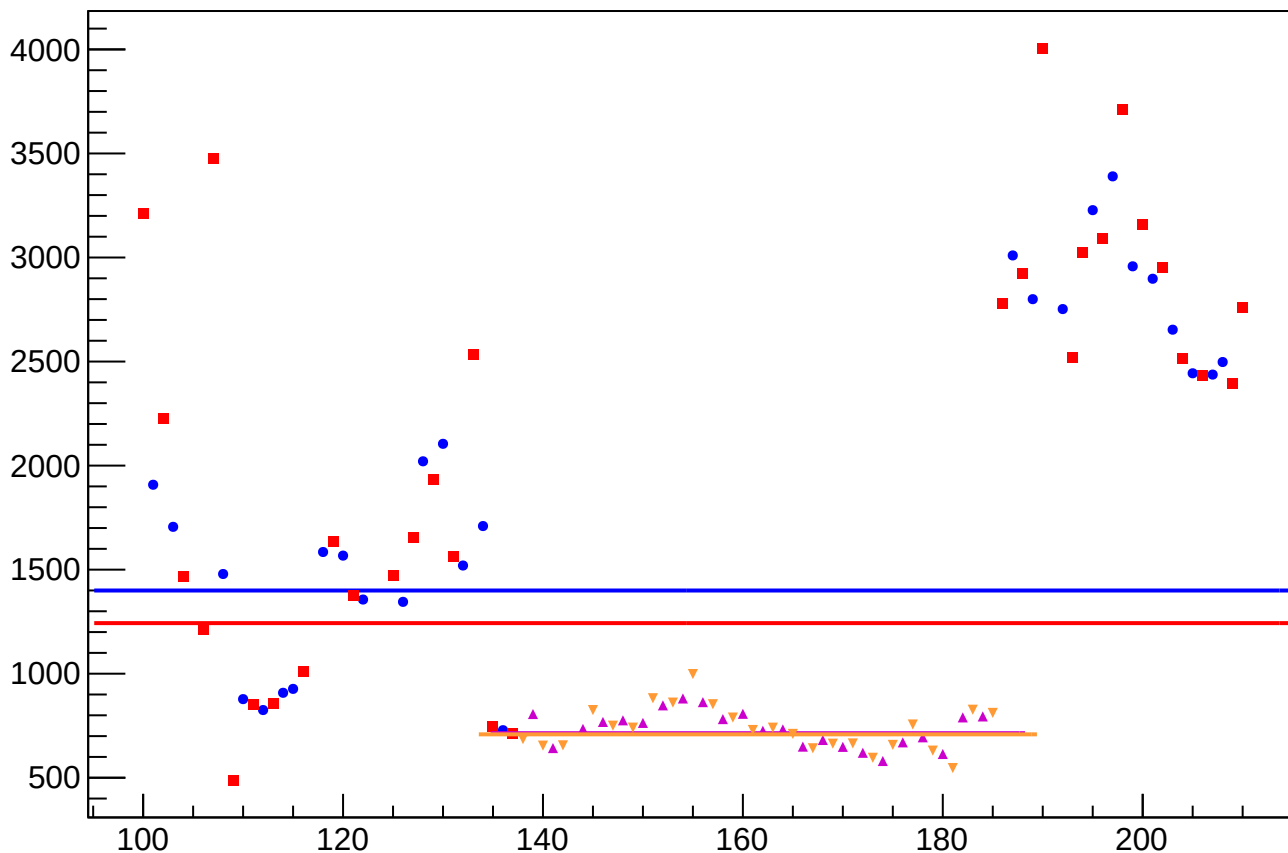
Left In: -230.572+/-168.320 χ^2/NDF : 19.9/22

+ sign -671.225+/-153.711 χ^2/NDF : 100.7/50

All: -525.225+/-108.250 χ^2/NDF : 143.8/104

- sign -381.569+/-152.473 χ^2/NDF : 41.2/53

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1399.748 +/- 0.283 χ^2/NDF : 7033819.6/26

Left Out: 708.508 +/- 0.118 χ^2/NDF : 700448.7/23

Right Out: 1243.048 +/- 0.255 χ^2/NDF : 10916322.2/30

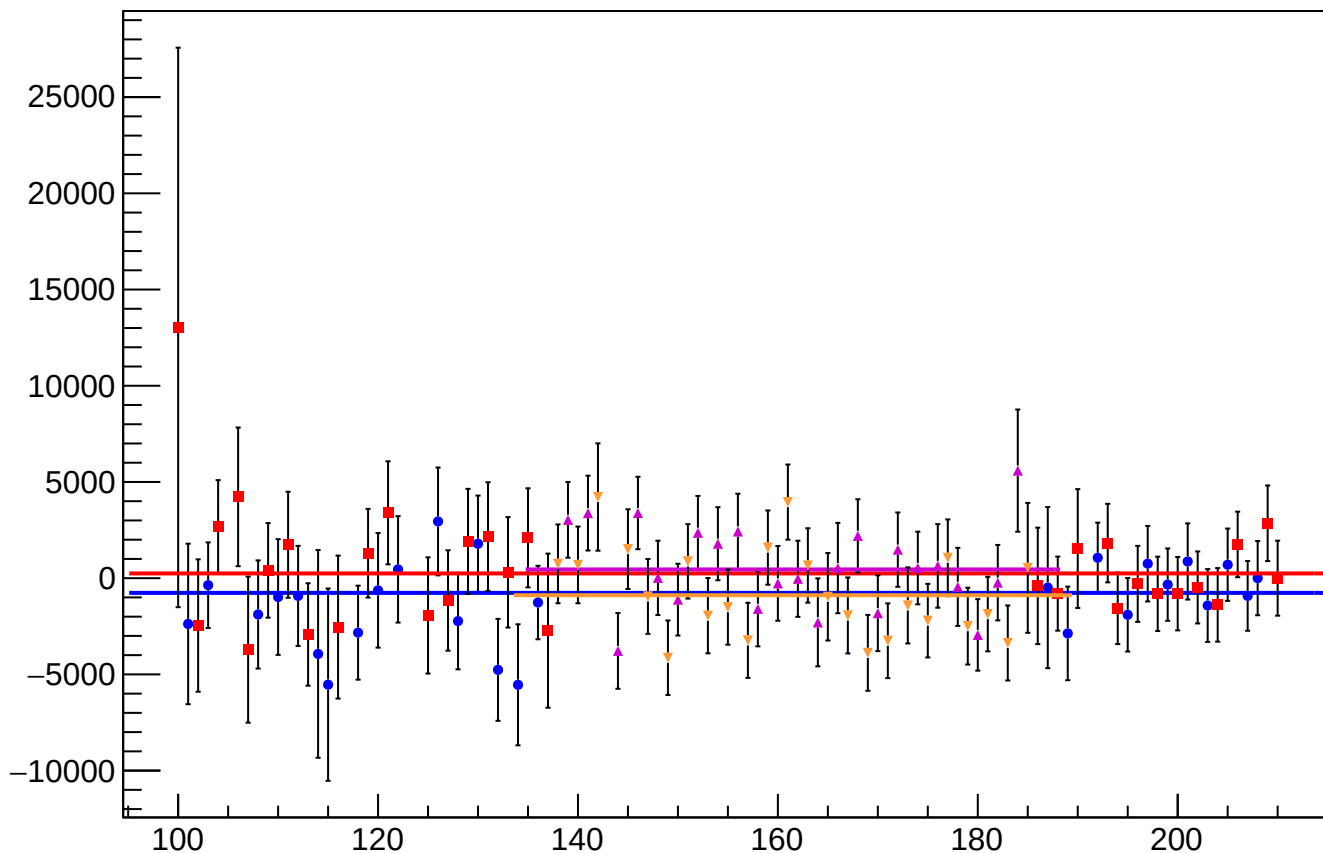
Left In: 714.168 +/- 0.119 χ^2/NDF : 497252.3/22

+ sign 810.267 +/- 0.109 χ^2/NDF : 12811908.4/50

All: 809.663 +/- 0.077 χ^2/NDF : 27768663.2/10

- sign 809.069 +/- 0.108 χ^2/NDF : 14956693.6/53

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -763.746 $\pm$ 455.091 χ^2 /NDF: 14.6/26

Left Out: -886.354 $\pm$ 413.227 χ^2 /NDF: 28.1/23

Right Out: 246.320 $\pm$ 432.961 χ^2 /NDF: 17.5/30

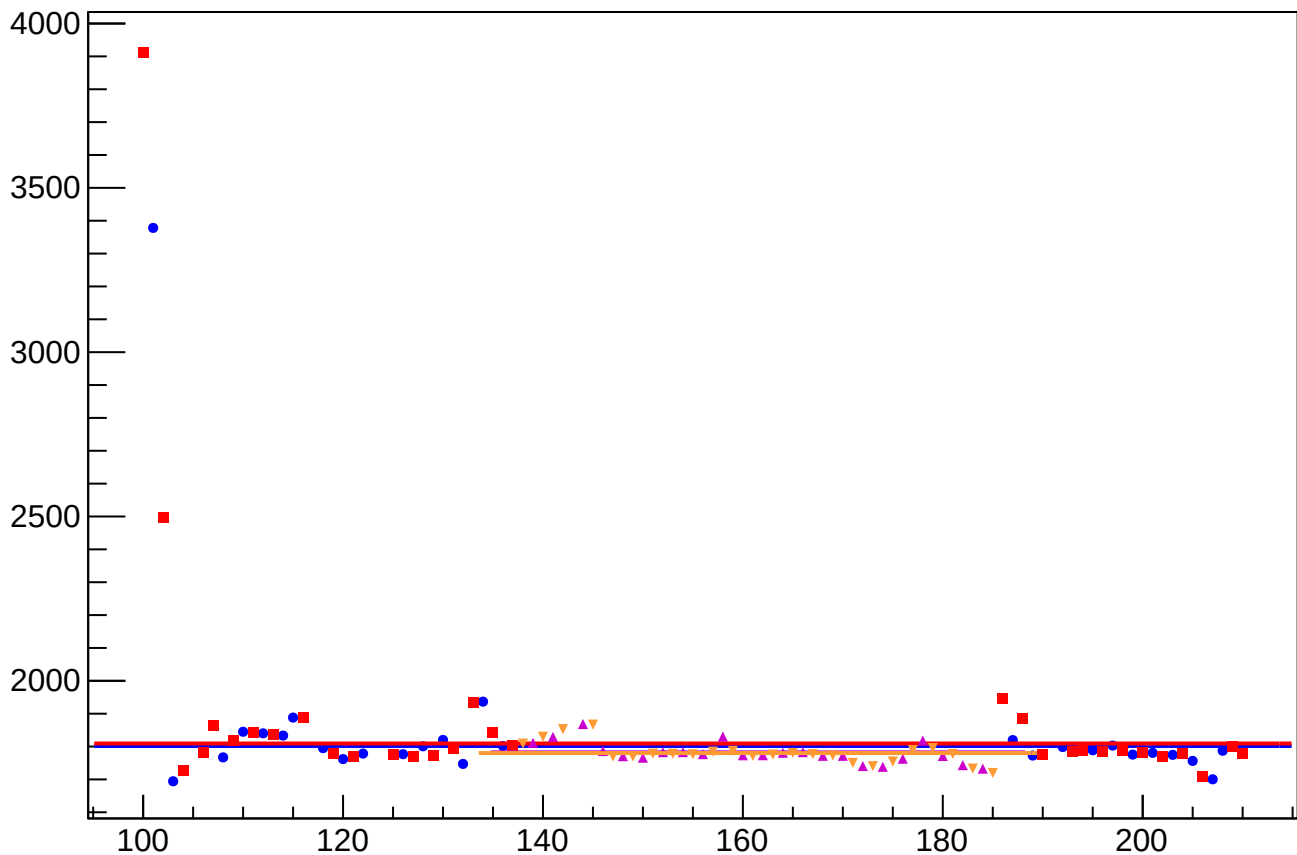
Left In: 453.237 $\pm$ 416.200 χ^2 /NDF: 25.8/22

+ sign -830.948 $\pm$ 305.928 χ^2 /NDF: 42.8/50

All: -227.049 $\pm$ 214.215 χ^2 /NDF: 93.9/104

- sign 353.861 $\pm$ 300.049 χ^2 /NDF: 43.4/53

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1801.794 $\pm$ 0.322 χ^2 /NDF: 306515.1/26

Left Out: 1780.220 $\pm$ 0.292 χ^2 /NDF:10380.2/23

Right Out: 1809.241 $\pm$ 0.306 χ^2 /NDF: 149666.0/30

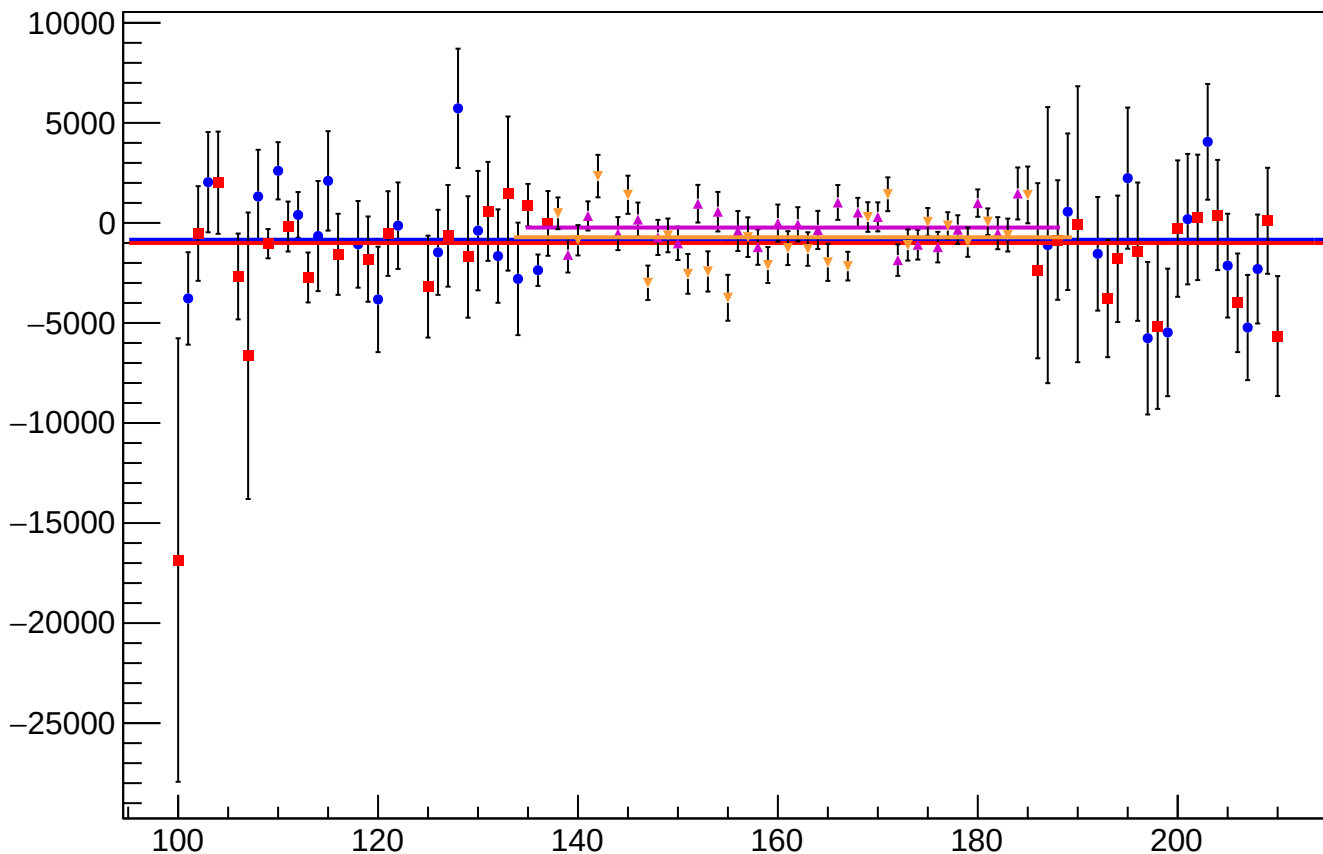
Left In: 1782.298 $\pm$ 0.294 χ^2 /NDF:11232.1/22

+ sign 1789.969 $\pm$ 0.216 χ^2 /NDF: 319358.6/50

All: 1792.655 $\pm$ 0.151 χ^2 /NDF: 484584.2/104

- sign 1795.238 $\pm$ 0.212 χ^2 /NDF: 164923.3/53

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug



Right In: -840.600 $\pm$ 403.918 χ^2 /NDF: 33.9/26

Left Out: -716.600 $\pm$ 170.602 χ^2 /NDF:59.4/23

Right Out: -1001.072 $\pm$ 362.228 χ^2 /NDF: 19.1/30

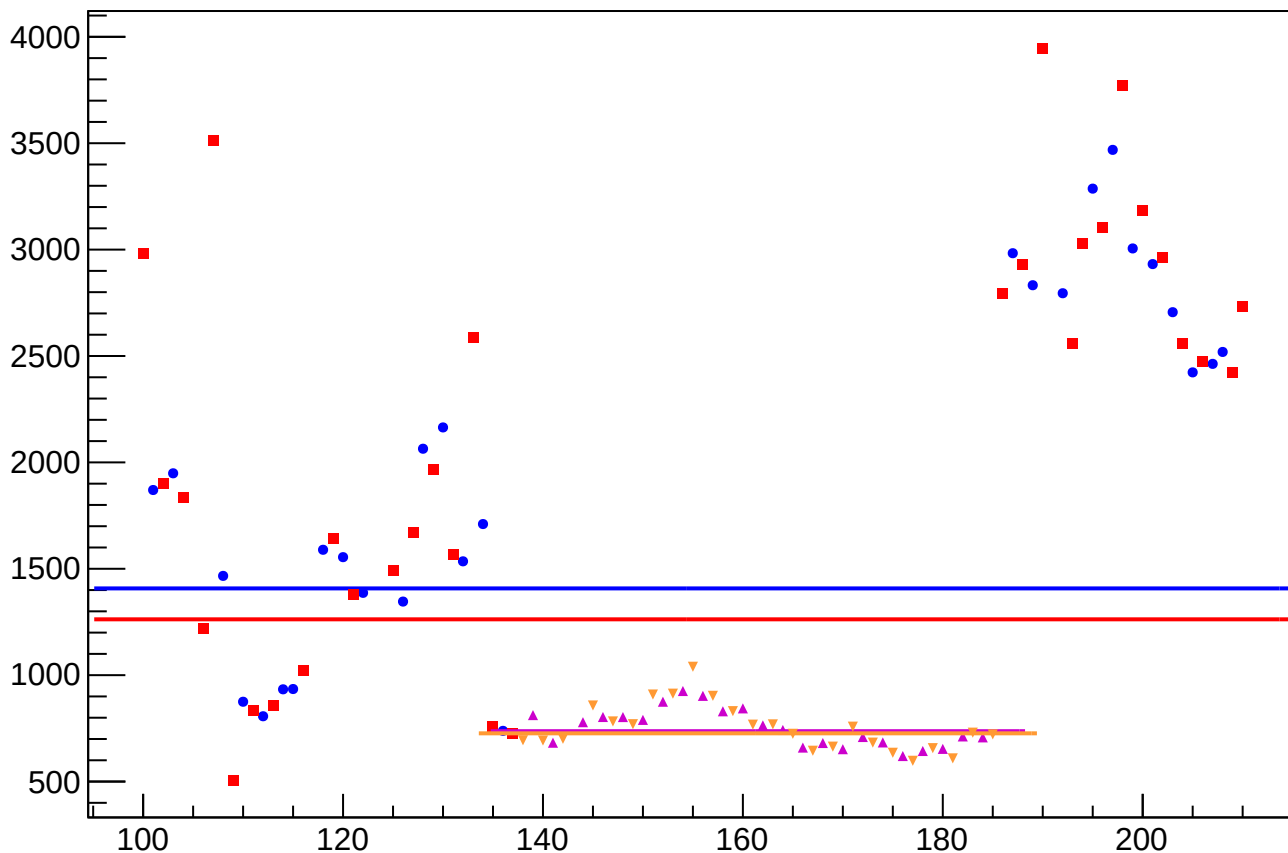
Left In: -231.320 $\pm$ 173.436 χ^2 /NDF:24.1/22

+ sign -735.372 $\pm$ 157.159 χ^2 /NDF: 93.4/50

All: -554.285 $\pm$ 110.869 χ^2 /NDF: 142.9/104

- sign -374.877 $\pm$ 156.429 χ^2 /NDF: 46.9/53

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1407.720+/-0.286 χ^2/NDF : 7172660.8/26

Left Out: 726.604+/-0.121 χ^2/NDF : 684784.1/23

Right Out: 1262.431+/-0.256 χ^2/NDF : 10810722.0/30

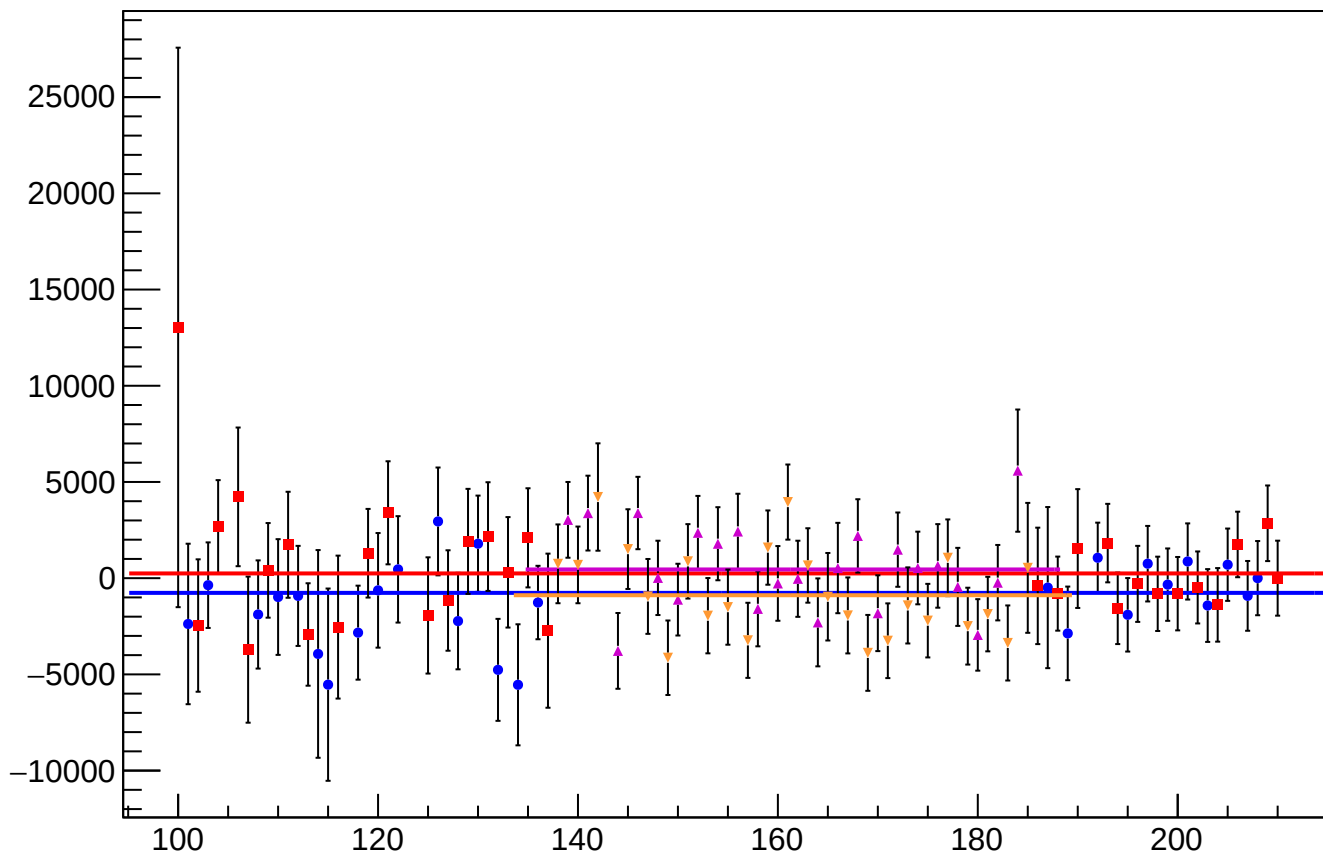
Left In: 736.709+/-0.123 χ^2/NDF : 465041.6/22

+ sign 829.718+/-0.111 χ^2/NDF : 12683528.6/50

All: 832.248+/-0.078 χ^2/NDF : 27387511.0/10

- sign 834.755+/-0.111 χ^2/NDF : 14702950.1/53

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -763.747 $\pm$ 455.091 χ^2 /NDF: 14.6/26

Left Out: -886.352 $\pm$ 413.227 χ^2 /NDF: 28.1/23

Right Out: 246.320 $\pm$ 432.961 χ^2 /NDF: 17.5/30

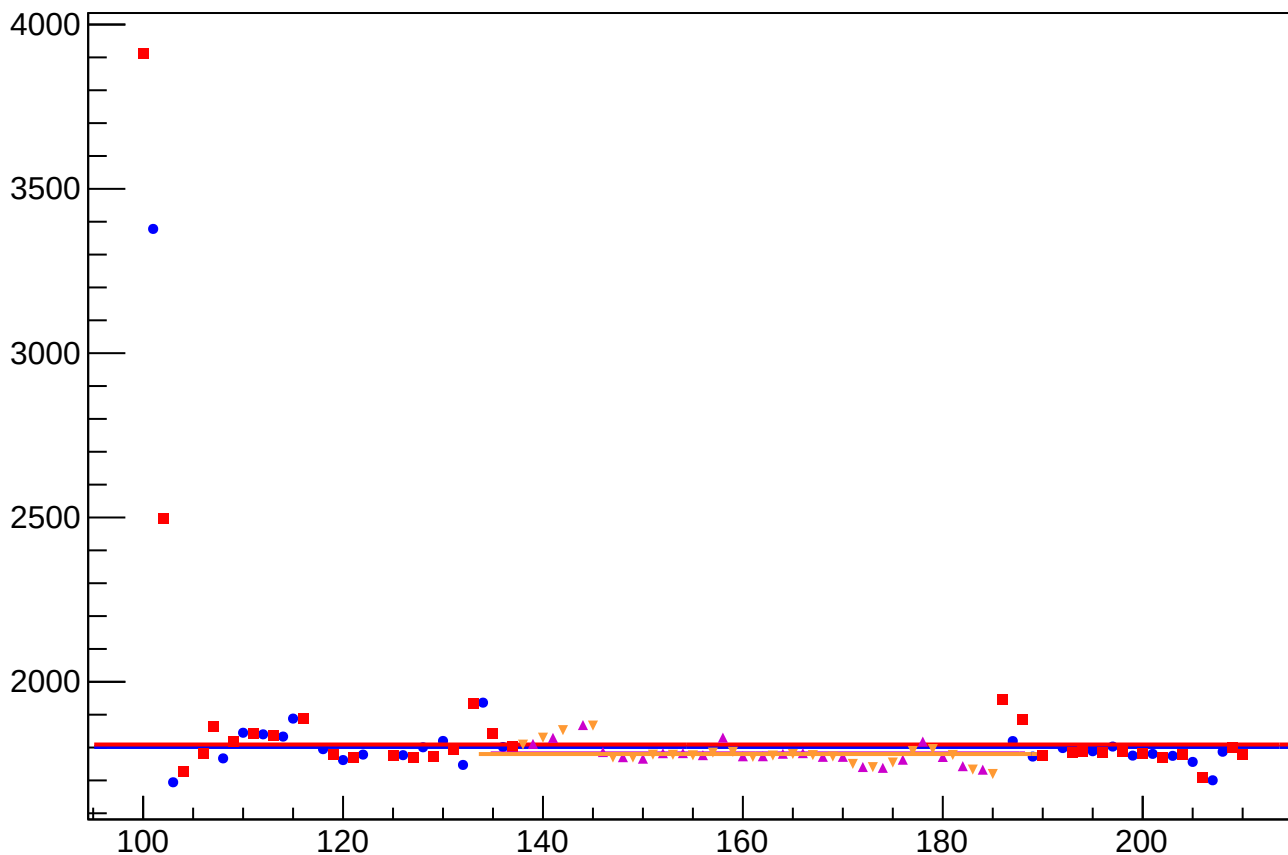
Left In: 453.236 $\pm$ 416.200 χ^2 /NDF: 25.8/22

+ sign -830.947 $\pm$ 305.928 χ^2 /NDF: 42.8/50

All: -227.049 $\pm$ 214.215 χ^2 /NDF: 93.9/104

- sign 353.861 $\pm$ 300.049 χ^2 /NDF: 43.4/53

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1801.794 $\pm$ 0.322 χ^2 /NDF: 306515.0/26

Left Out: 1780.220 $\pm$ 0.292 χ^2 /NDF:10380.2/23

Right Out: 1809.241 $\pm$ 0.306 χ^2 /NDF: 149666.1/30

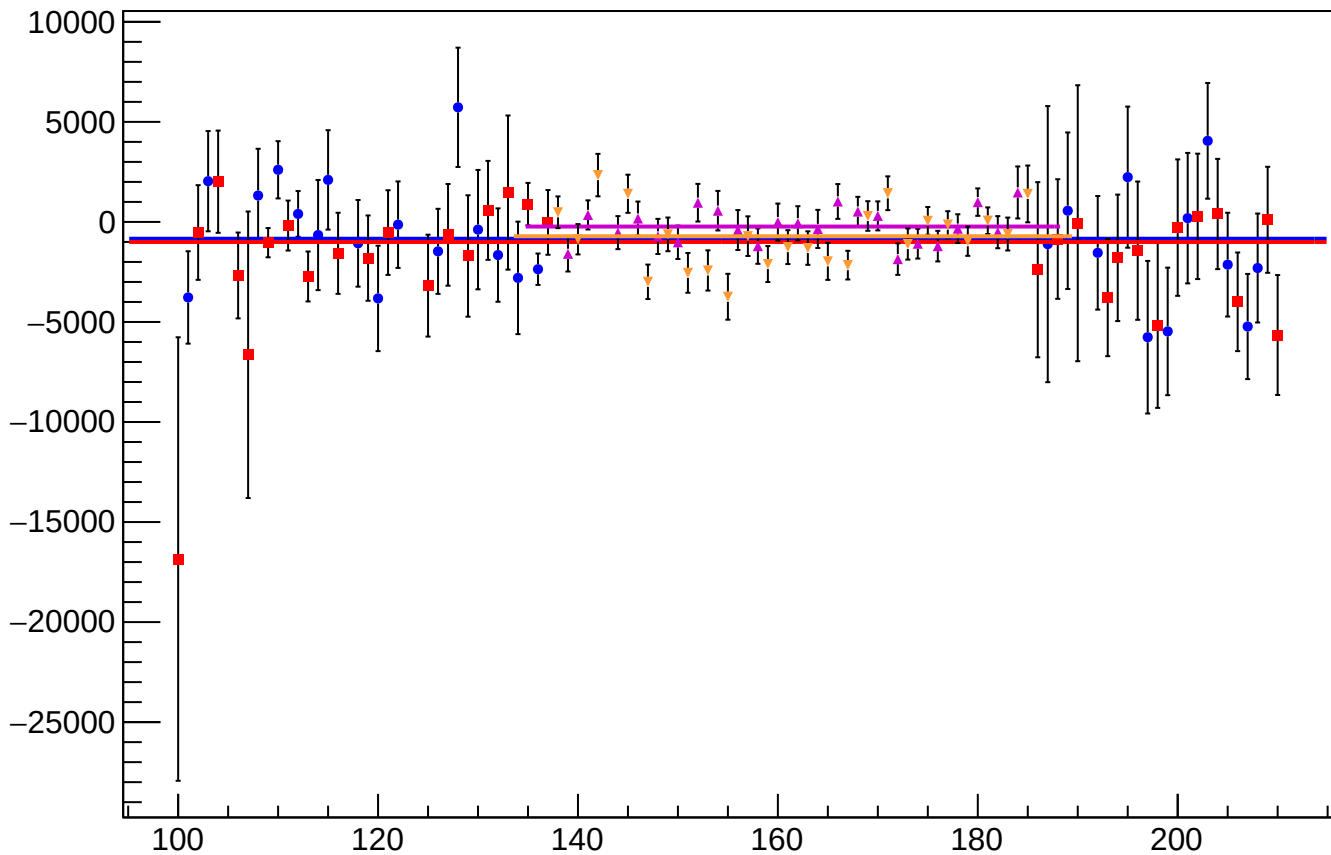
Left In: 1782.298 $\pm$ 0.294 χ^2 /NDF:11232.1/22

+ sign 1789.969 $\pm$ 0.216 χ^2 /NDF: 319358.6/50

All: 1792.655 $\pm$ 0.151 χ^2 /NDF: 484584.3/104

- sign 1795.238 $\pm$ 0.212 χ^2 /NDF: 164923.4/53

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -840.589+/-403.918 χ^2/NDF : 33.9/26

Left Out: -716.601+/-170.602 χ^2/NDF : 59.4/23

Right Out: -1001.078+/-362.228 χ^2/NDF : 19.1/30

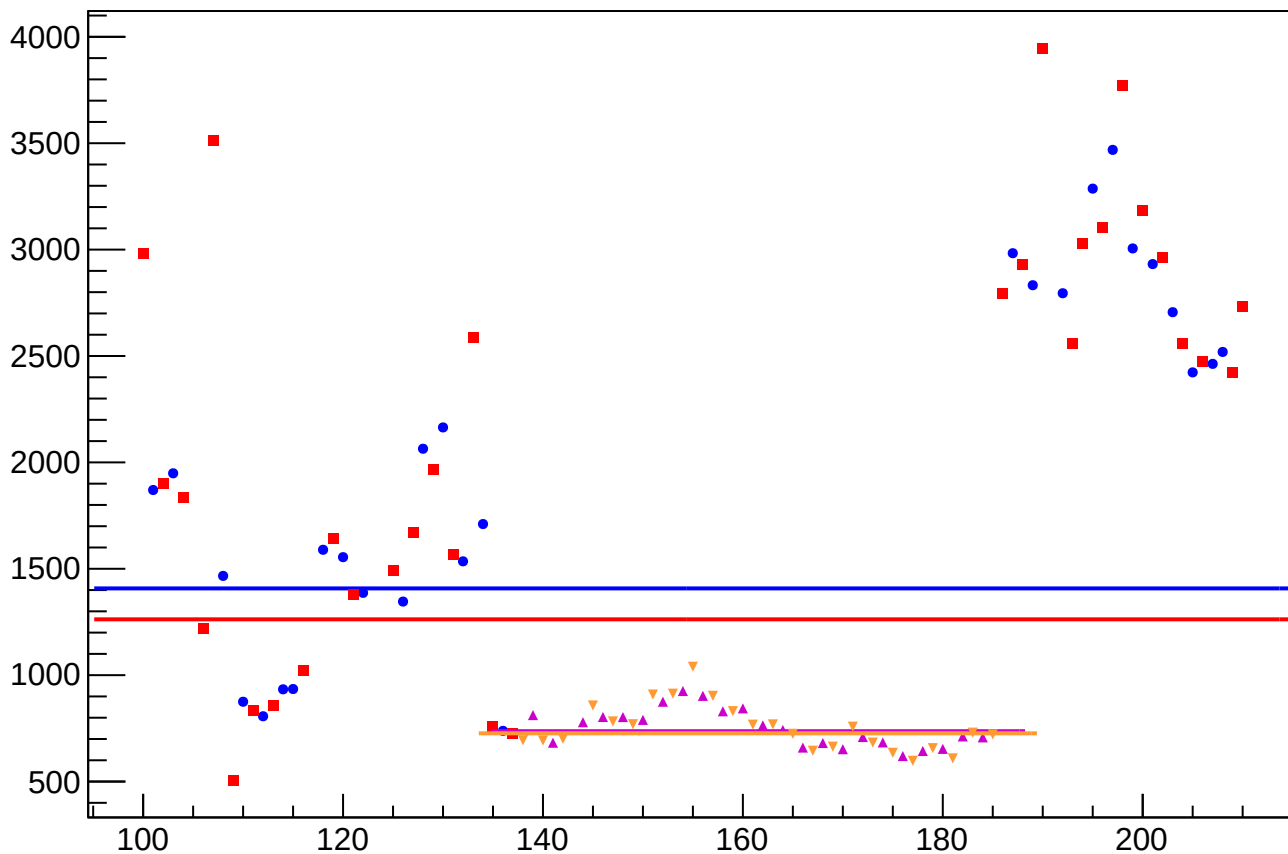
Left In: -231.318+/-173.435 χ^2/NDF : 24.1/22

+ sign -735.371+/-157.159 χ^2/NDF : 93.4/50

All: -554.284+/-110.869 χ^2/NDF : 142.9/104

- sign -374.876+/-156.429 χ^2/NDF : 46.9/53

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 1407.723+/-0.286 χ^2/NDF : 7172608.8/26

Left Out: 726.605+/-0.121 χ^2/NDF : 684780.2/23

+ sign 829.718+/-0.111 χ^2/NDF : 12683501.5/50

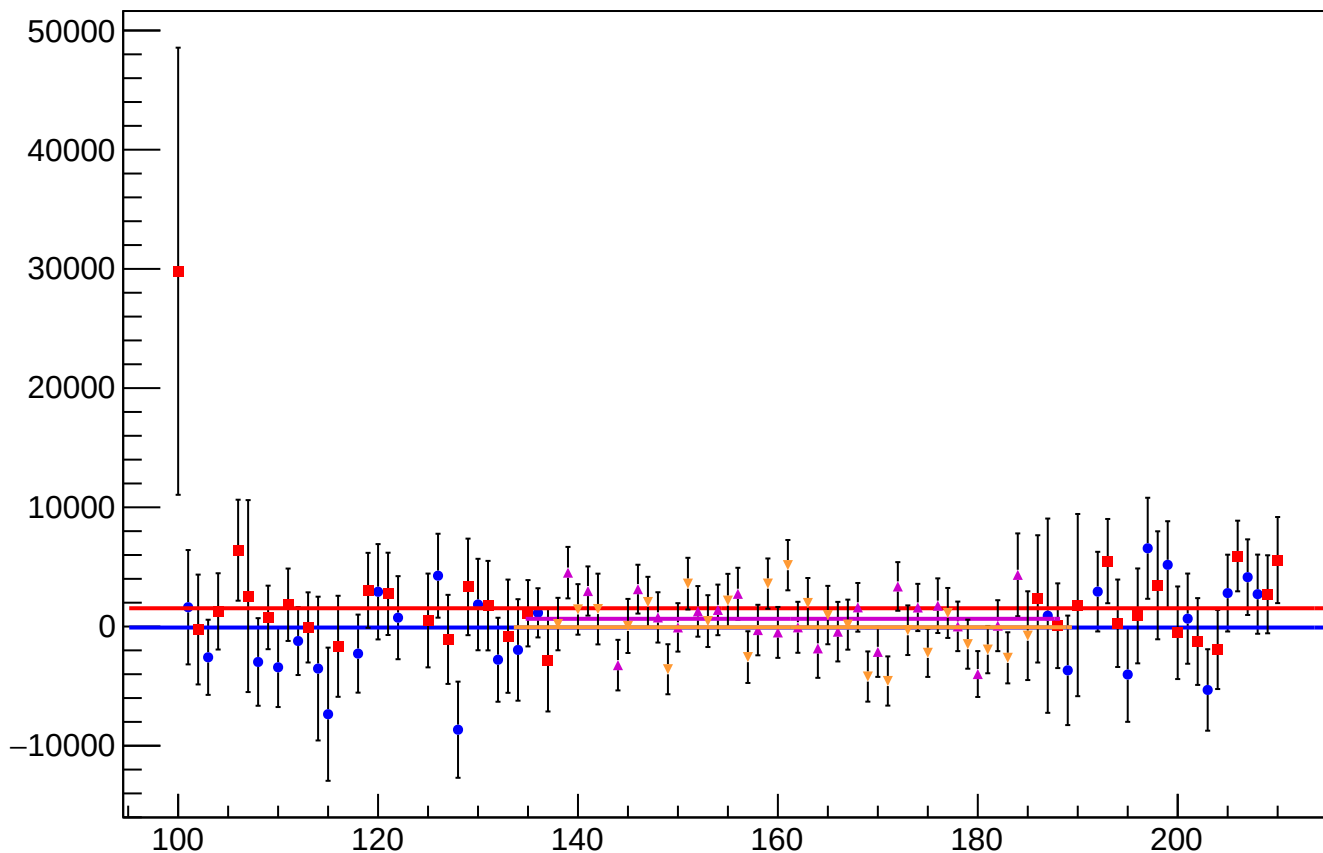
Right Out: 1262.434+/-0.256 χ^2/NDF : 10810682.2/30

All: 832.248+/-0.078 χ^2/NDF : 27387490.8/10

- sign 834.755+/-0.111 χ^2/NDF : 14702957.4/53

Left In: 736.709+/-0.123 χ^2/NDF : 465053.4/22

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -84.837 ± 690.503 χ^2/NDF : 25.7/26

Left Out: -59.589 ± 445.601 χ^2/NDF : 33.0/23

Right Out: 1532.988 ± 669.050 χ^2/NDF : 14.4/30

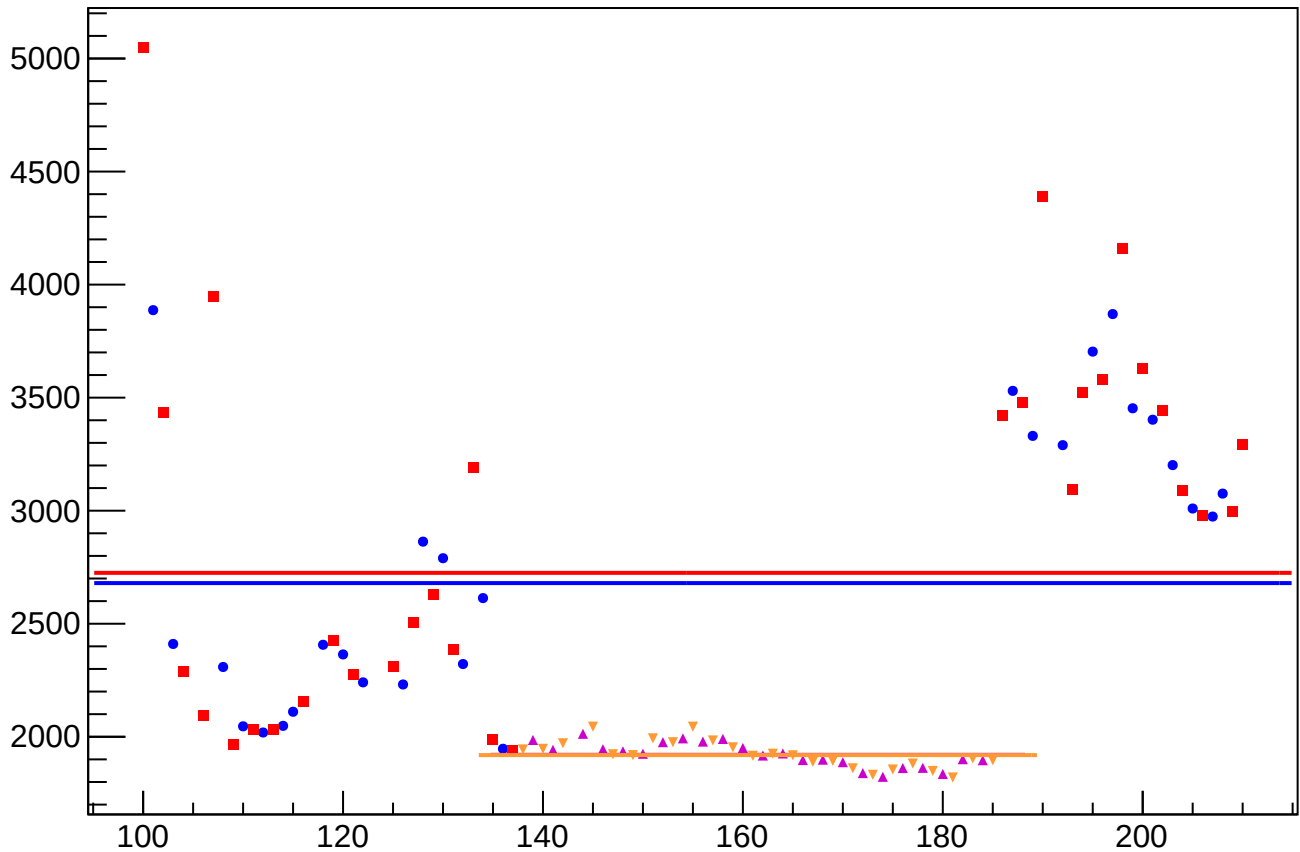
Left In: 646.910 ± 448.538 χ^2/NDF : 23.7/22

+ sign -67.012 ± 374.409 χ^2/NDF : 58.7/50

All: 429.773 ± 264.091 χ^2/NDF : 101.5/104

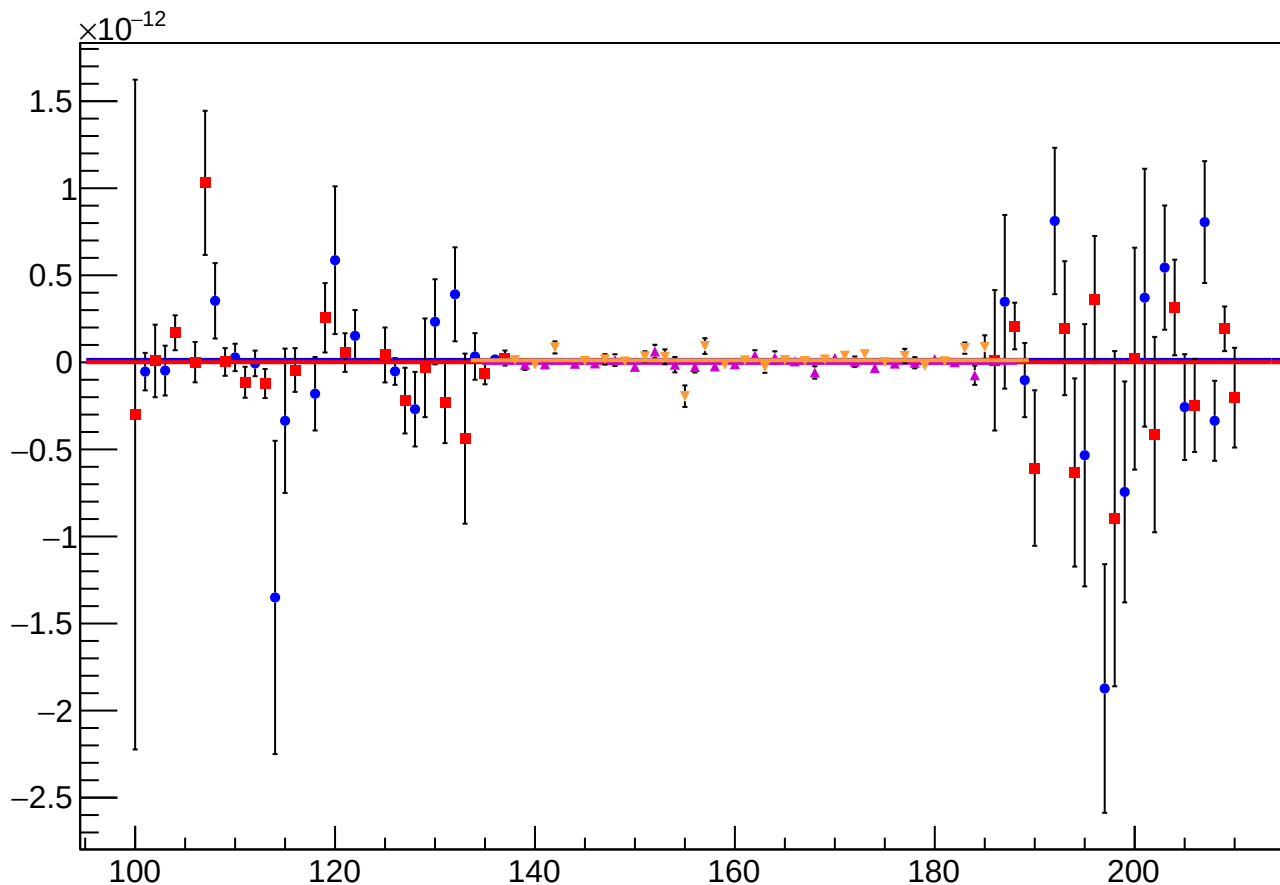
- sign 921.668 ± 372.561 χ^2/NDF : 39.3/53

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2679.799+/-0.488	χ^2/NDF : 1448616.1/26	+ sign 2142.665+/-0.265	χ^2/NDF : 3198412.5/50
Left Out: 1918.975+/-0.315	χ^2/NDF : 35574.5/23	All: 2156.293+/-0.187	χ^2/NDF : 7091639.4/10
Right Out: 2725.066+/-0.473	χ^2/NDF : 1861194.7/30	- sign 2169.788+/-0.263	χ^2/NDF : 3887953.2/53
Left In: 1920.214+/-0.317	χ^2/NDF : 29912.0/22		

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.9/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.9/30

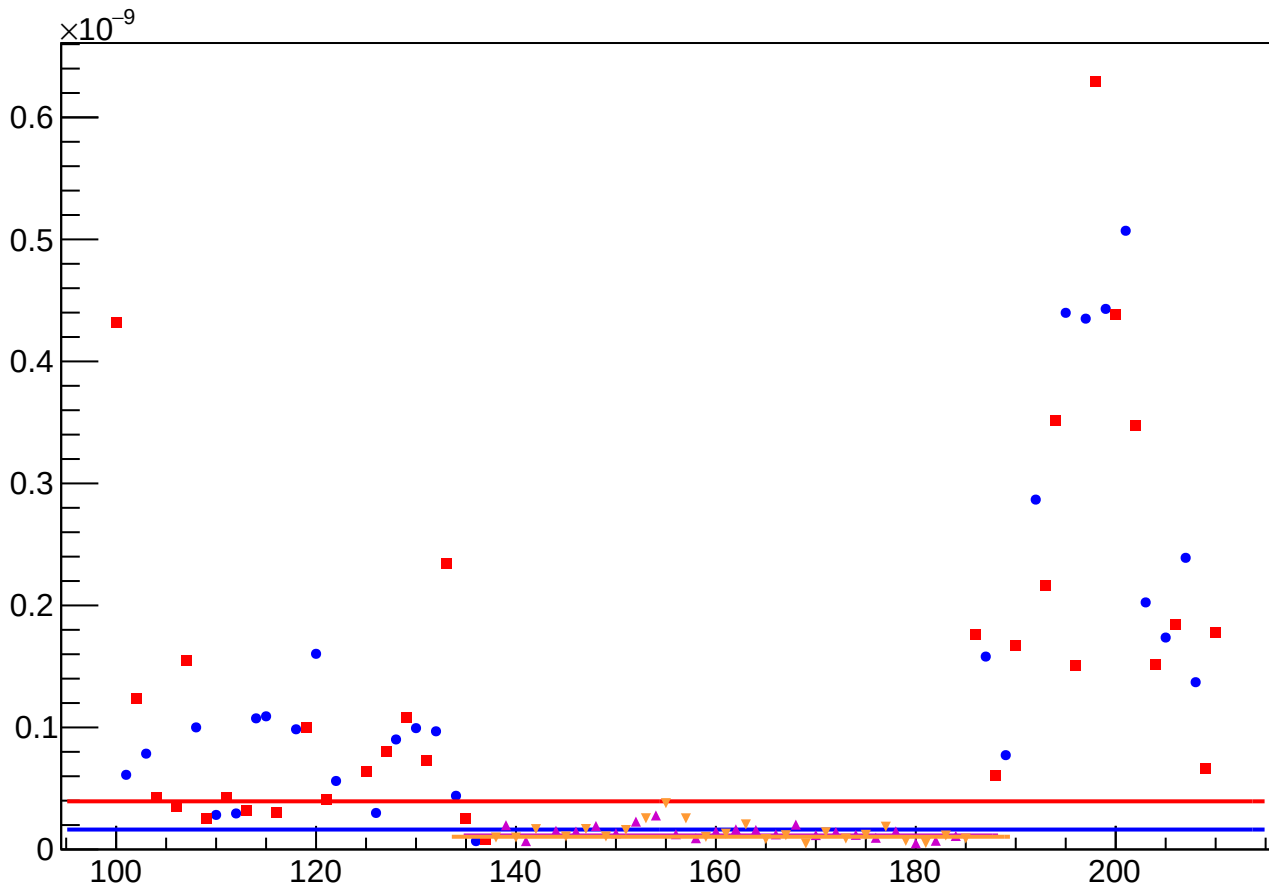
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:19.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 77.1/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 134.6/104

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 52.5/53

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 10197192.8/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 2075235.5/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 7956340.9/30

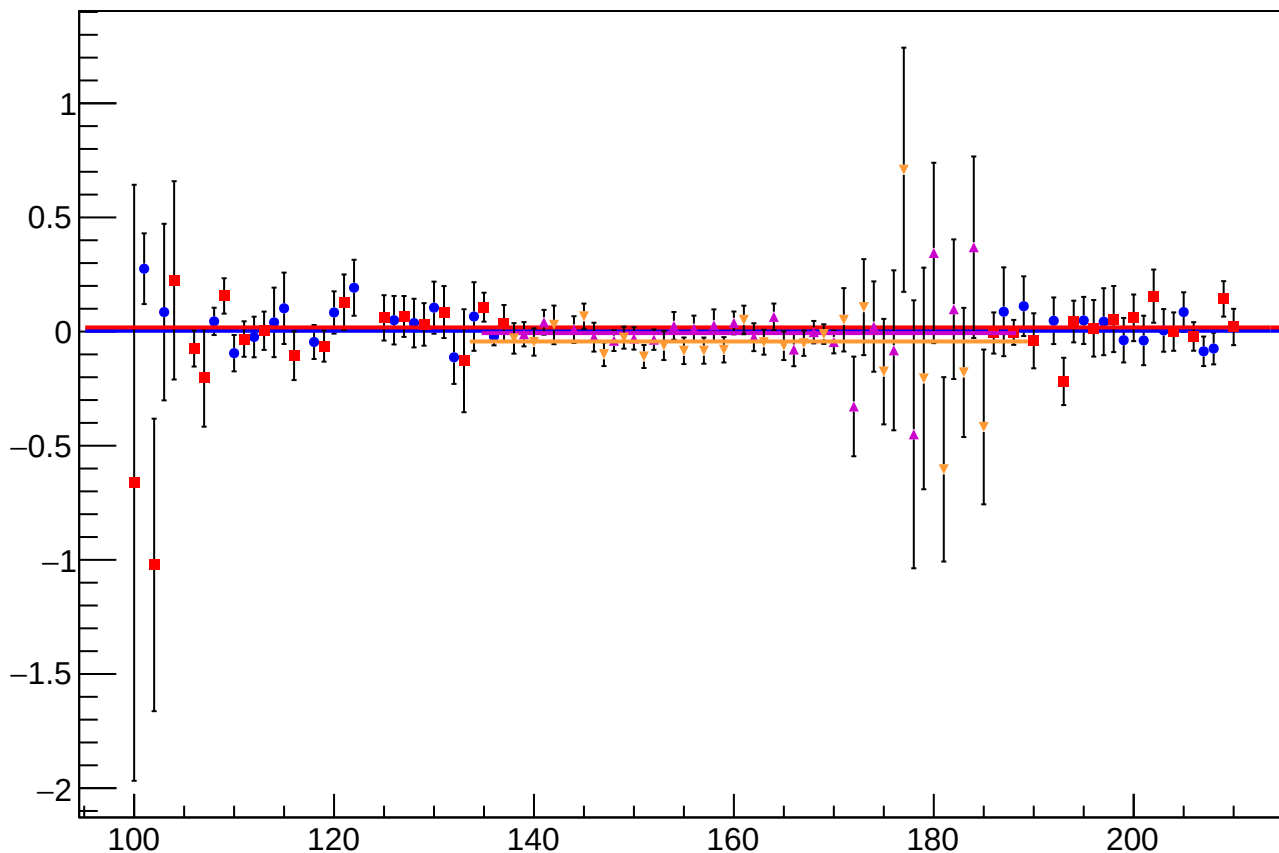
Left In: 0.000 ± 0.000 χ^2/NDF : 1894438.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 12596419.8/50

All: 0.000 ± 0.000 χ^2/NDF : 25442015.7/104

- sign 0.000 ± 0.000 χ^2/NDF : 12709140.9/53

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.017 χ^2/NDF : 17.6/26

Left Out: -0.043 ± 0.014 χ^2/NDF : 18.9/23

Right Out: 0.018 ± 0.017 χ^2/NDF : 26.4/30

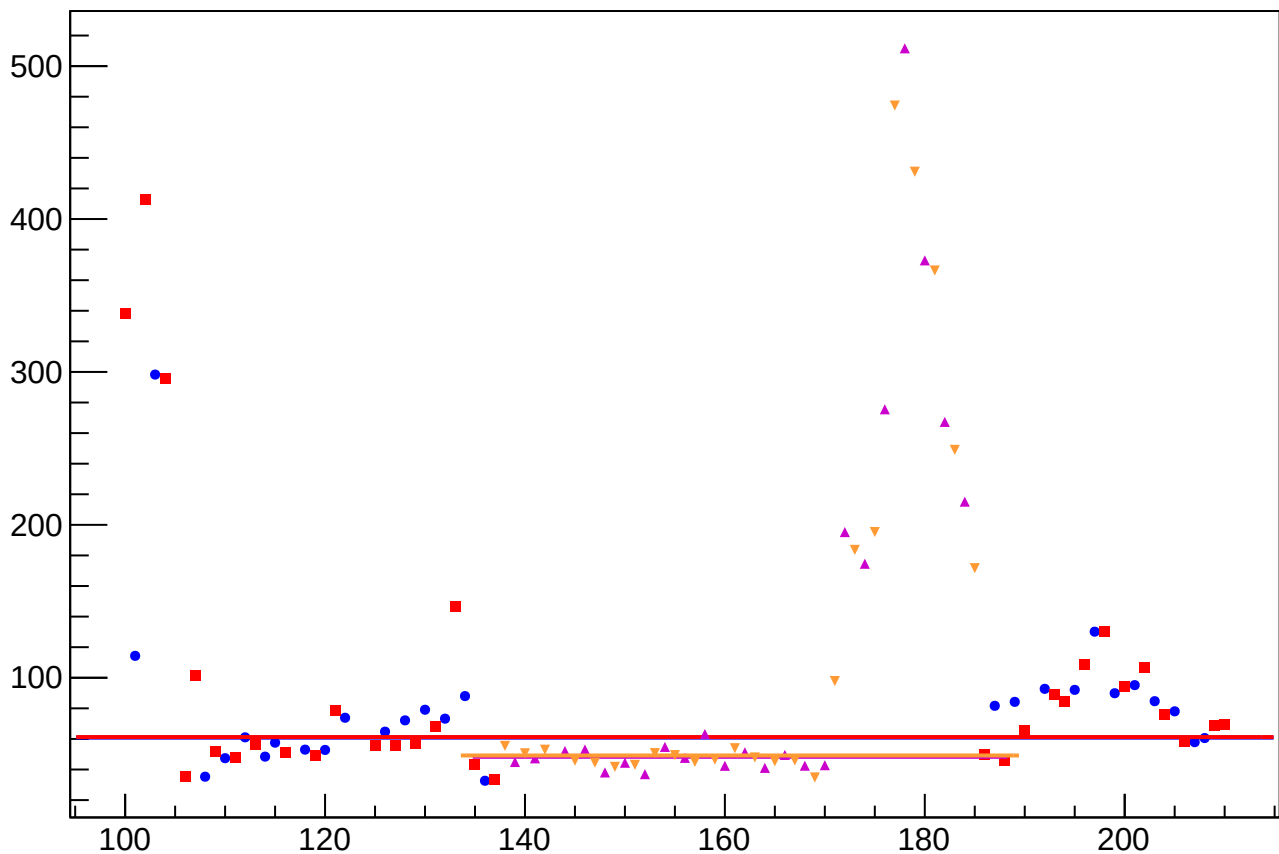
Left In: -0.007 ± 0.014 χ^2/NDF : 11.3/22

+ sign -0.025 ± 0.011 χ^2/NDF : 40.9/50

All: -0.010 ± 0.008 χ^2/NDF : 83.4/104

- sign 0.003 ± 0.010 χ^2/NDF : 39.0/53

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.861 $\pm$ 0.012 χ^2 /NDF: 4205319.8/26

Left Out: 49.180 $\pm$ 0.010 χ^2 /NDF: 7250092.4/23

Right Out: 61.216 $\pm$ 0.012 χ^2 /NDF: 4317942.7/30

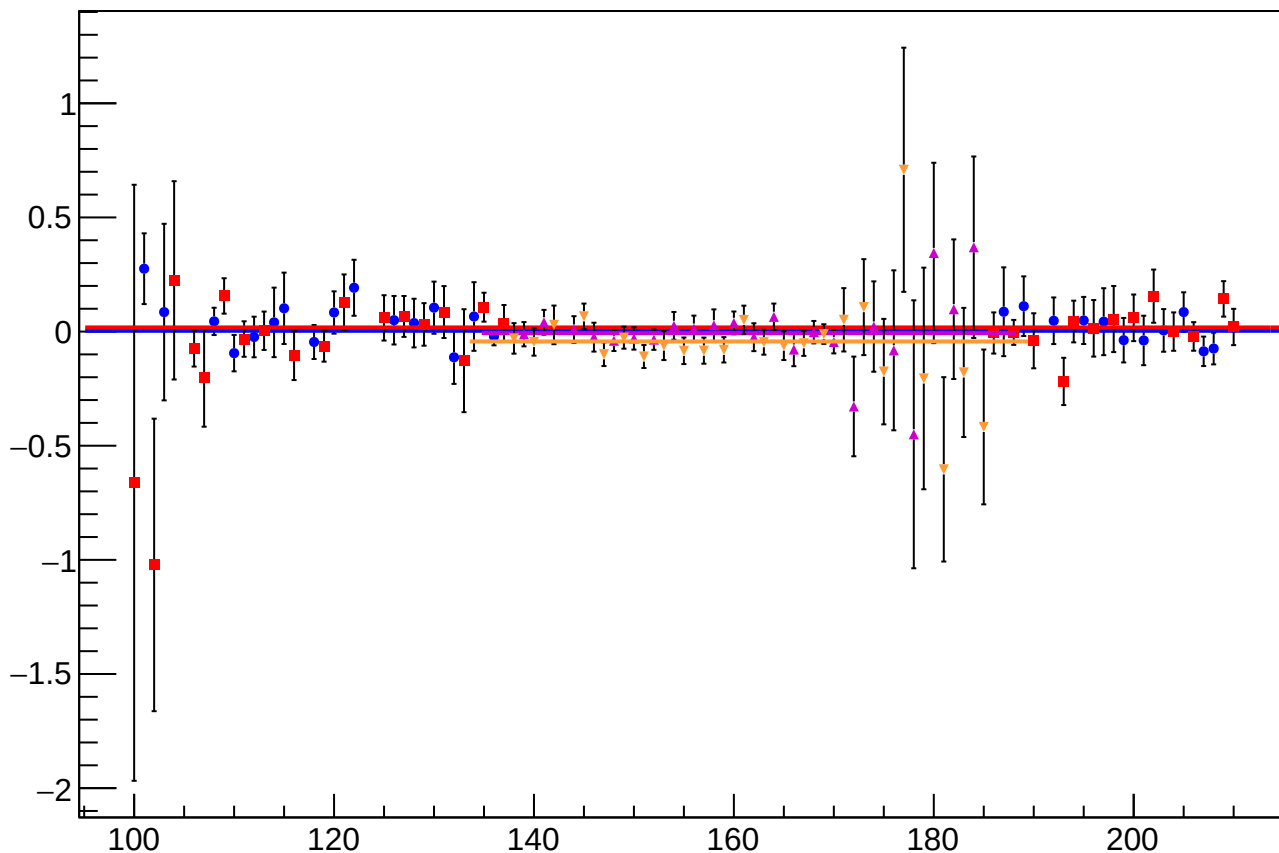
Left In: 48.307 $\pm$ 0.010 χ^2 /NDF: 7040663.5/22

+ sign 53.728 $\pm$ 0.008 χ^2 /NDF: 12004855.5/50

All: 53.581 $\pm$ 0.005 χ^2 /NDF: 24089486.4/104

- sign 53.444 $\pm$ 0.007 χ^2 /NDF: 12083924.8/53

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.017 χ^2/NDF : 17.6/26

Left Out: -0.043 ± 0.014 χ^2/NDF : 18.9/23

Right Out: 0.018 ± 0.017 χ^2/NDF : 26.4/30

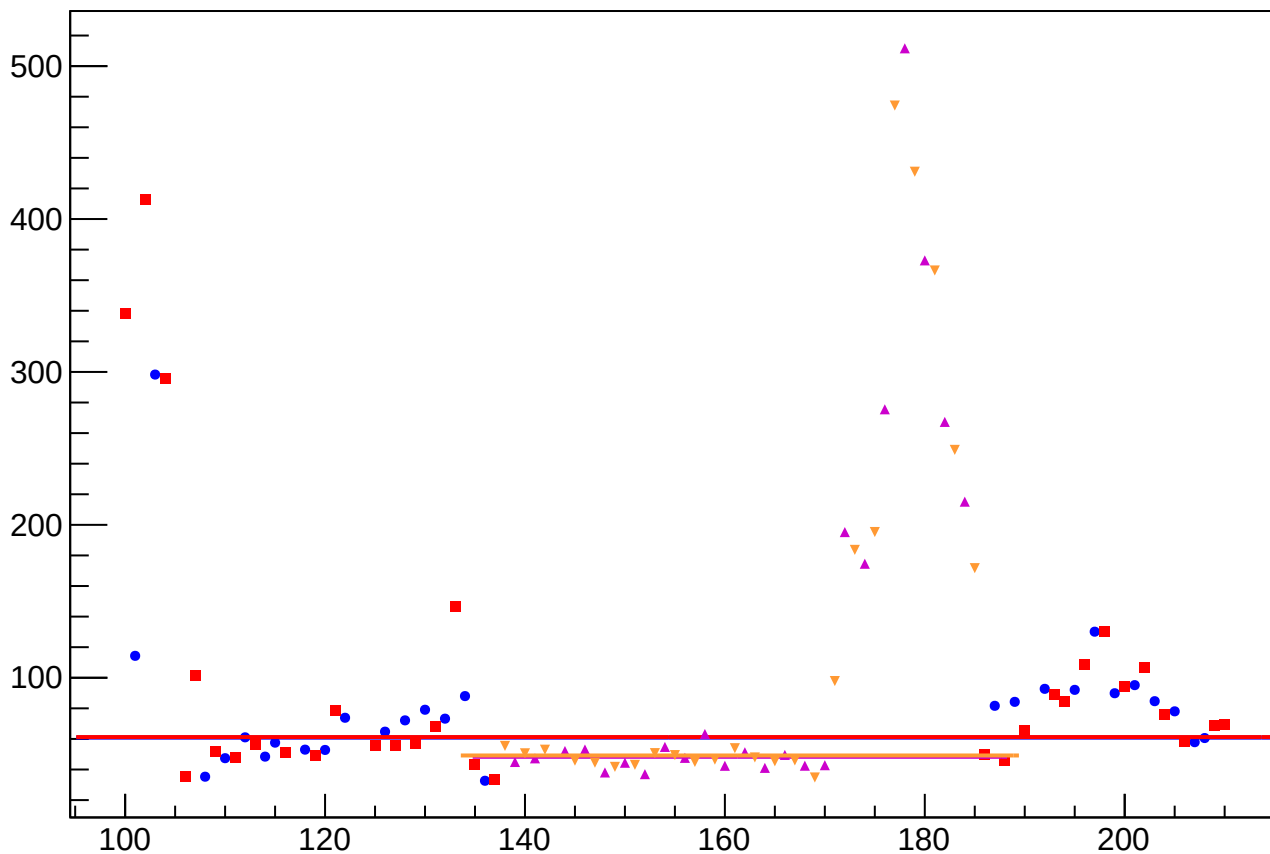
Left In: -0.007 ± 0.014 χ^2/NDF : 11.3/22

+ sign -0.025 ± 0.011 χ^2/NDF : 40.9/50

All: -0.010 ± 0.008 χ^2/NDF : 83.4/104

- sign 0.003 ± 0.010 χ^2/NDF : 39.0/53

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.861 $\pm$ 0.012 χ^2 /NDF: 4205319.8/26

Left Out: 49.180 $\pm$ 0.010 χ^2 /NDF: 7250092.4/23

Right Out: 61.216 $\pm$ 0.012 χ^2 /NDF: 4317942.7/30

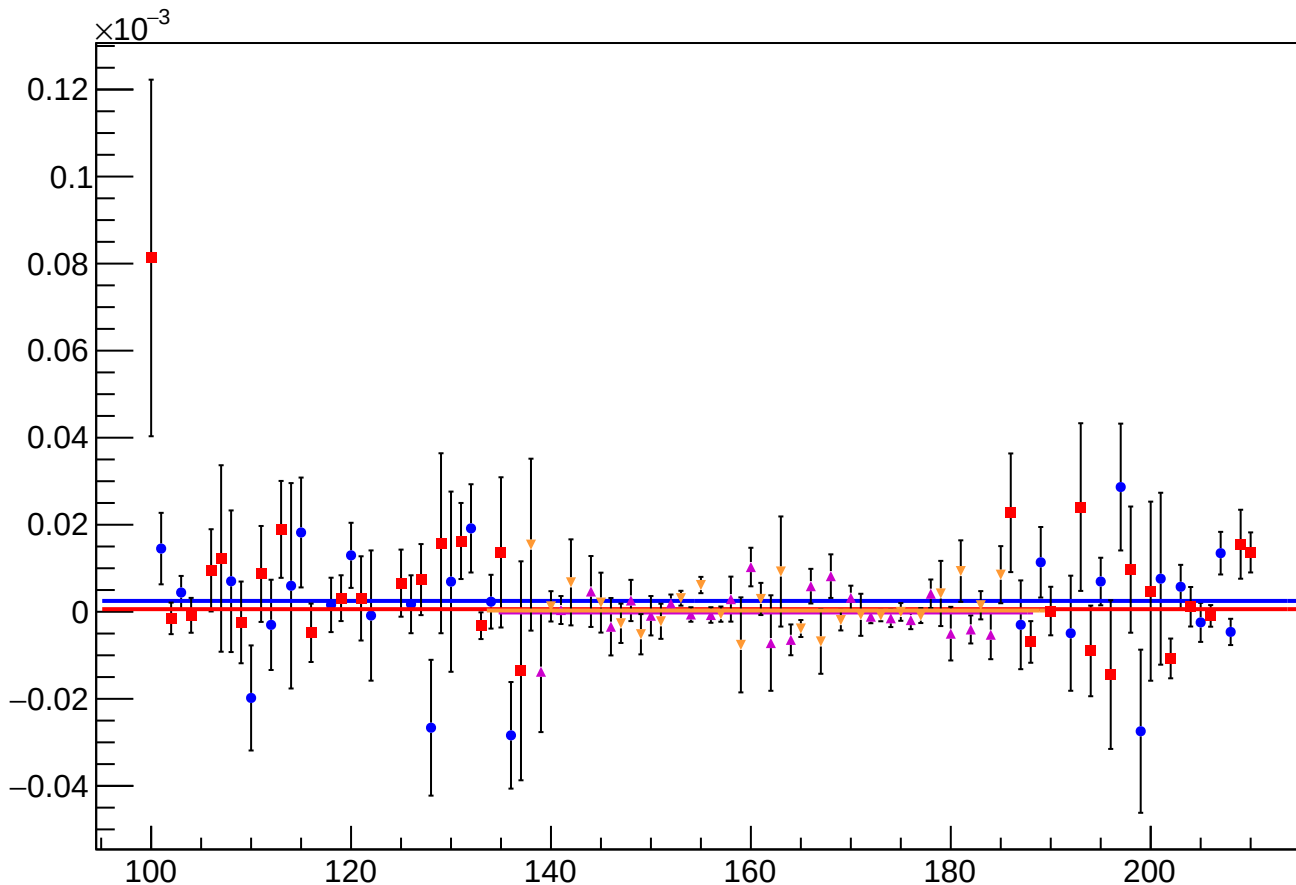
Left In: 48.307 $\pm$ 0.010 χ^2 /NDF: 7040663.5/22

+ sign 53.728 $\pm$ 0.008 χ^2 /NDF: 12004855.5/50

All: 53.581 $\pm$ 0.005 χ^2 /NDF: 24089486.4/104

- sign 53.444 $\pm$ 0.007 χ^2 /NDF: 12083924.8/53

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 42.9/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.8/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 44.1/30

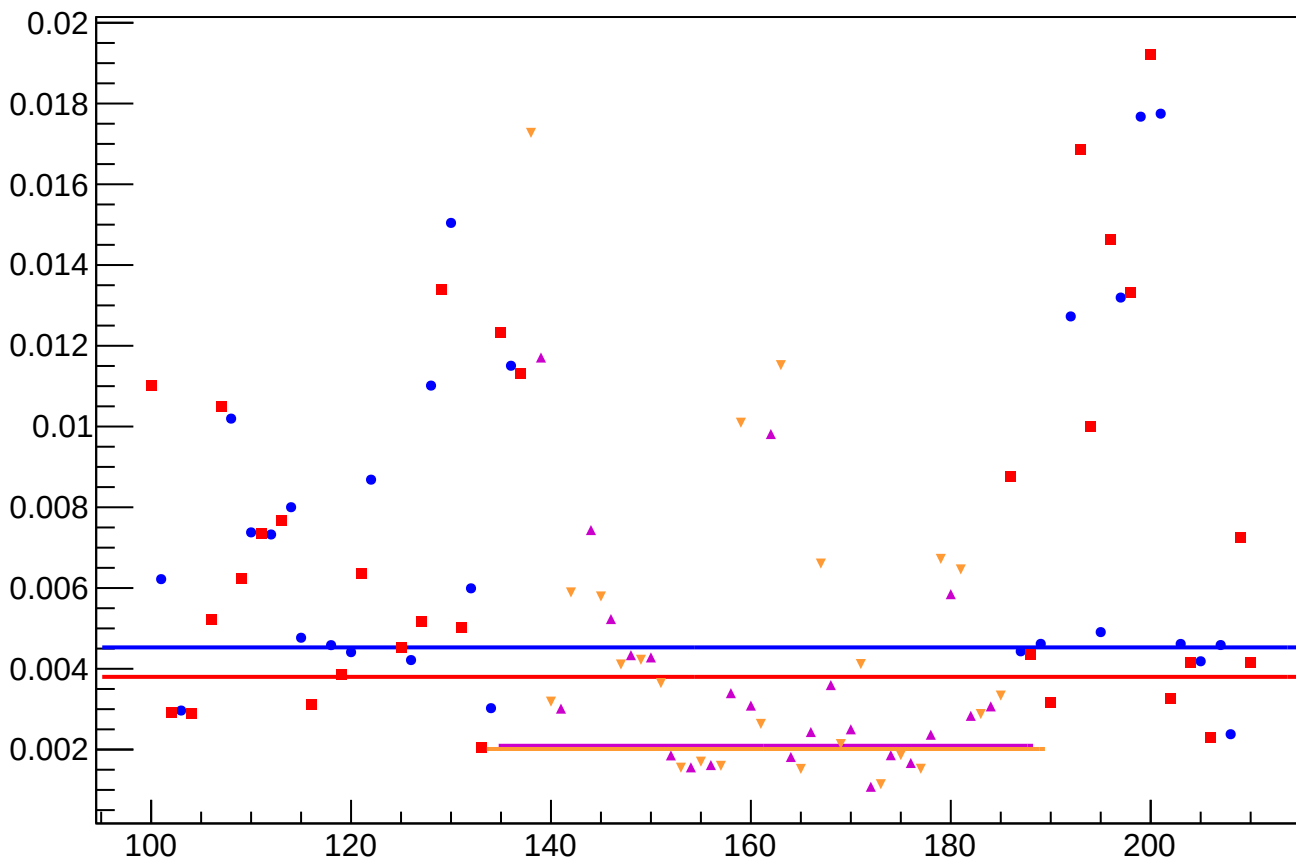
Left In: -0.000 ± 0.000 χ^2/NDF : 25.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 74.0/50

All: 0.000 ± 0.000 χ^2/NDF : 144.4/104

- sign 0.000 ± 0.000 χ^2/NDF : 69.7/53

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 7188750.8/26

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:10262318.5/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 9021977.8/30

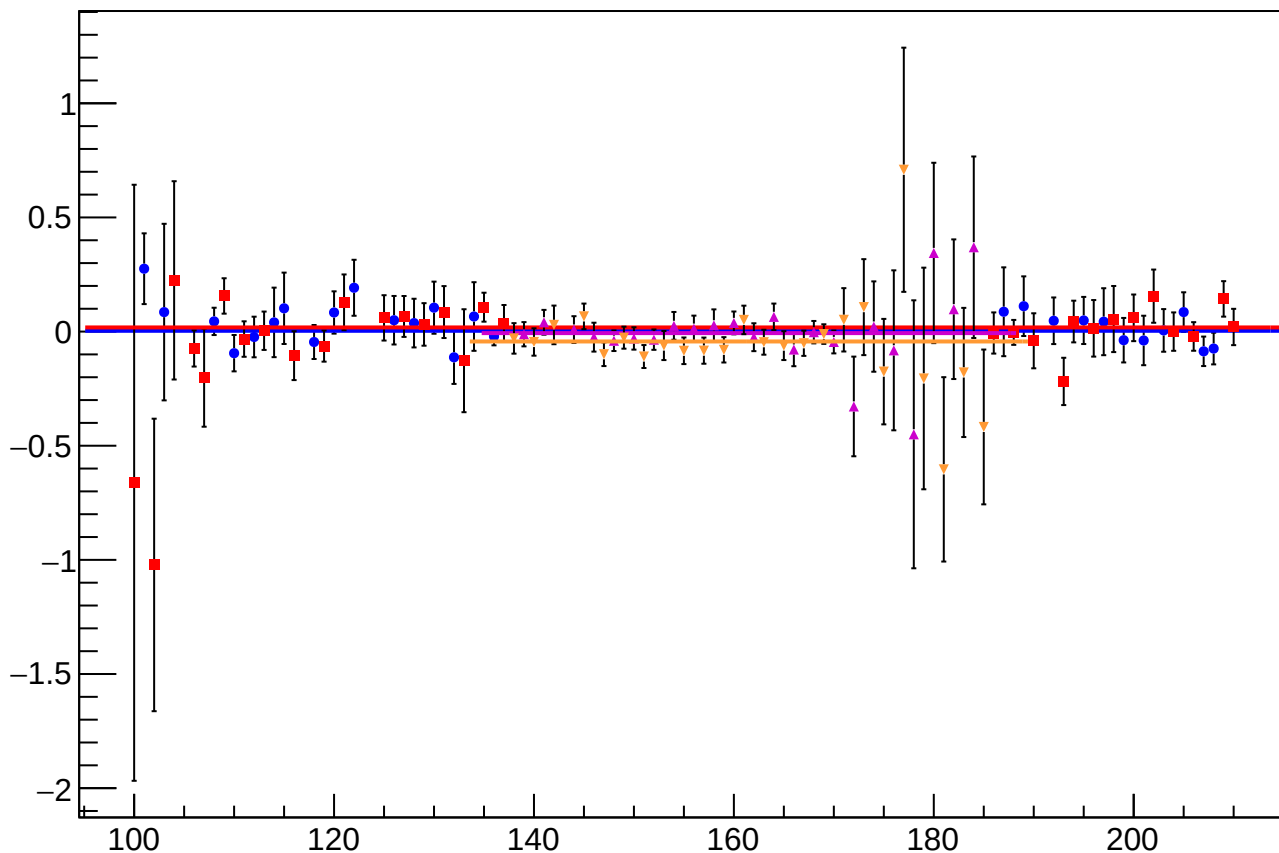
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:7141979.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 23335513.3/50

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 43252304.3/104

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 19876080.3/53

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.017 χ^2/NDF : 17.6/26

Left Out: -0.043 ± 0.014 χ^2/NDF : 18.9/23

Right Out: 0.018 ± 0.017 χ^2/NDF : 26.4/30

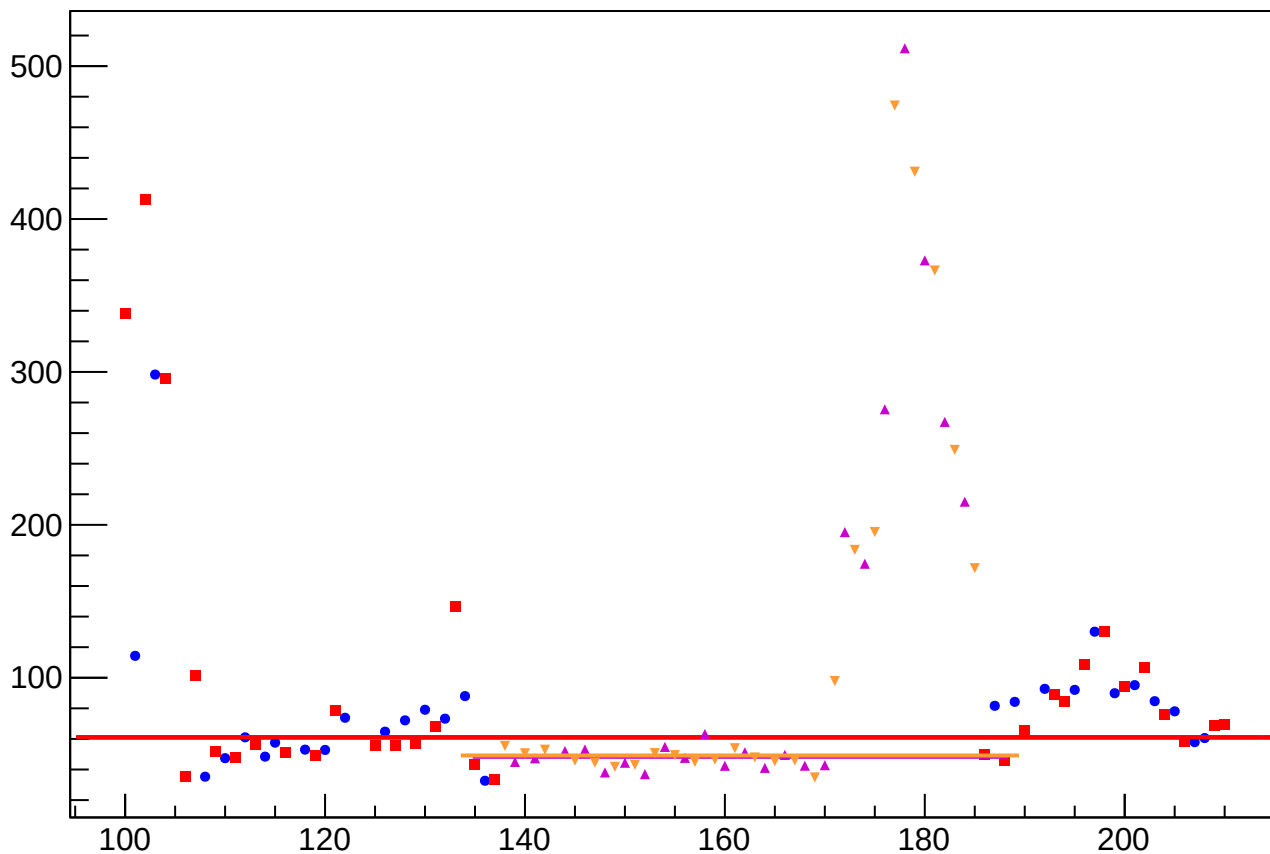
Left In: -0.007 ± 0.014 χ^2/NDF : 11.3/22

+ sign -0.025 ± 0.011 χ^2/NDF : 40.9/50

All: -0.010 ± 0.008 χ^2/NDF : 83.4/104

- sign 0.003 ± 0.010 χ^2/NDF : 39.0/53

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.861 $\pm$ 0.012 χ^2 /NDF: 4205158.0/26

Left Out: 49.180 $\pm$ 0.010 χ^2 /NDF: 7250102.5/23

Right Out: 61.216 $\pm$ 0.012 χ^2 /NDF: 4317799.6/30

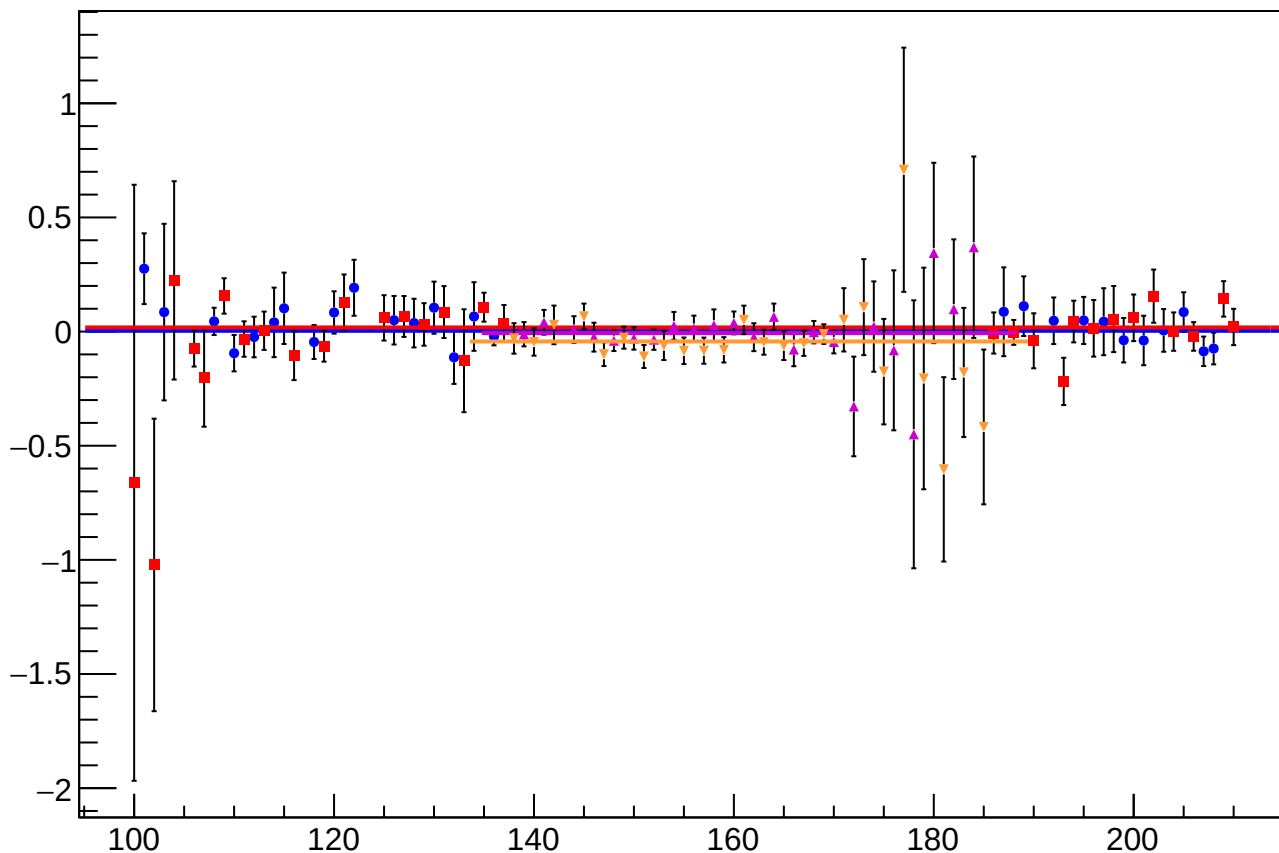
Left In: 48.307 $\pm$ 0.010 χ^2 /NDF: 7040585.4/22

+ sign 53.728 $\pm$ 0.008 χ^2 /NDF: 12004757.0/50

All: 53.581 $\pm$ 0.005 χ^2 /NDF: 24089193.2/104

- sign 53.444 $\pm$ 0.007 χ^2 /NDF: 12083732.8/53

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.017 χ^2/NDF : 17.6/26

Left Out: -0.043 ± 0.014 χ^2/NDF : 18.9/23

Right Out: 0.018 ± 0.017 χ^2/NDF : 26.4/30

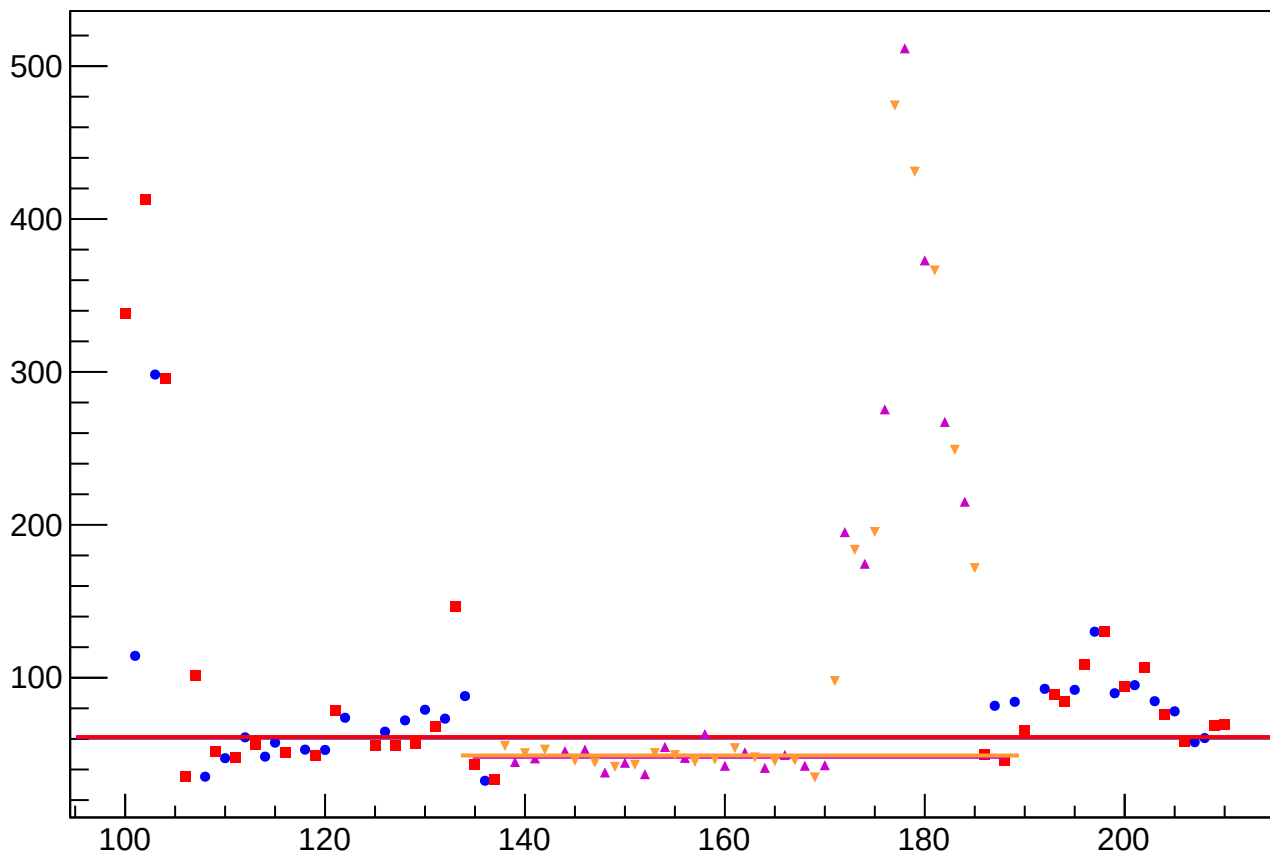
Left In: -0.007 ± 0.014 χ^2/NDF : 11.3/22

+ sign -0.025 ± 0.011 χ^2/NDF : 40.9/50

All: -0.010 ± 0.008 χ^2/NDF : 83.4/104

- sign 0.003 ± 0.010 χ^2/NDF : 39.0/53

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.861 $\pm$ 0.012 χ^2 /NDF: 4205158.0/26

Left Out: 49.180 $\pm$ 0.010 χ^2 /NDF: 7250102.5/23

Right Out: 61.216 $\pm$ 0.012 χ^2 /NDF: 4317799.6/30

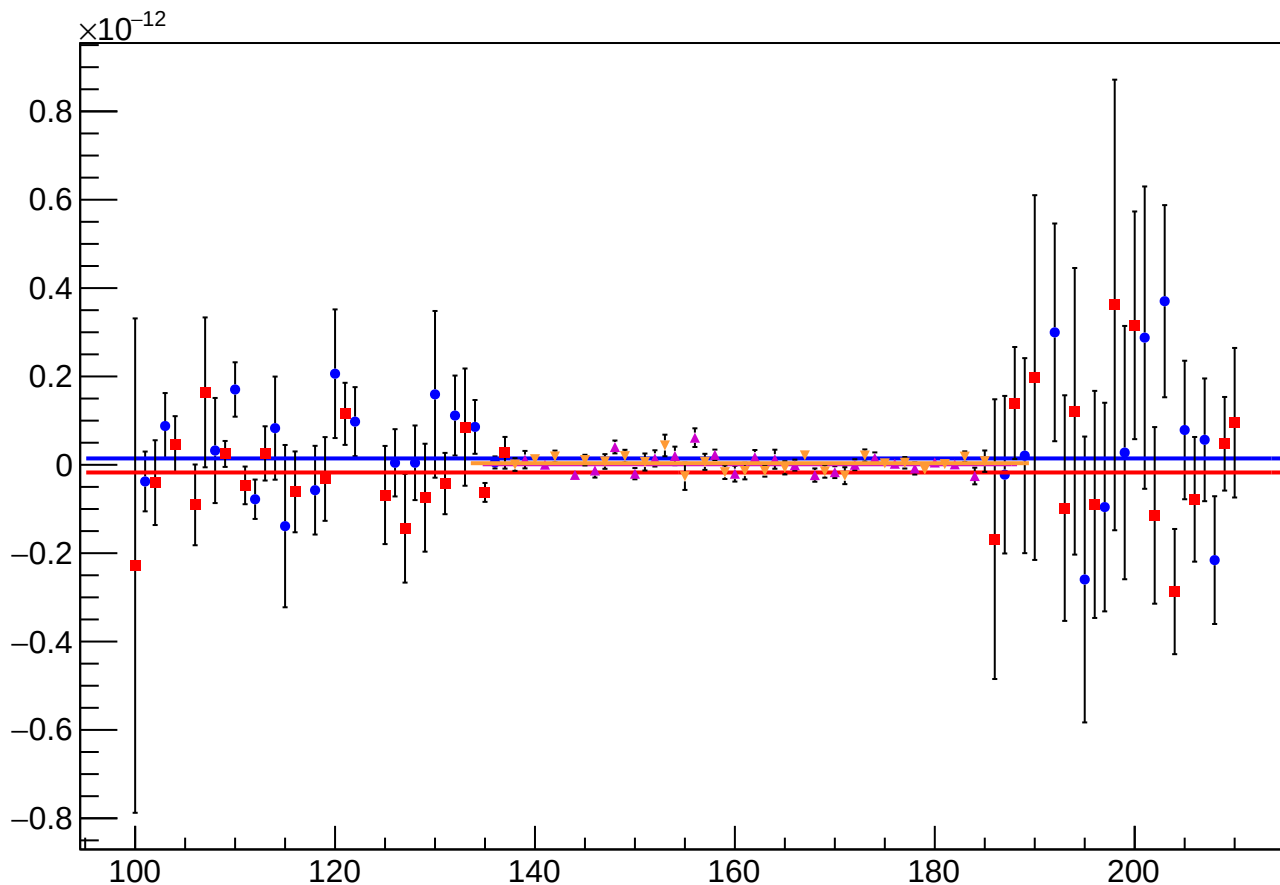
Left In: 48.307 $\pm$ 0.010 χ^2 /NDF: 7040585.4/22

+ sign 53.728 $\pm$ 0.008 χ^2 /NDF: 12004757.0/50

All: 53.581 $\pm$ 0.005 χ^2 /NDF: 24089193.2/104

- sign 53.444 $\pm$ 0.007 χ^2 /NDF: 12083732.8/53

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 28.8/26

Left Out: 0.000+/-0.000 χ^2/NDF : 24.6/23

Right Out: -0.000+/-0.000 χ^2/NDF : 27.5/30

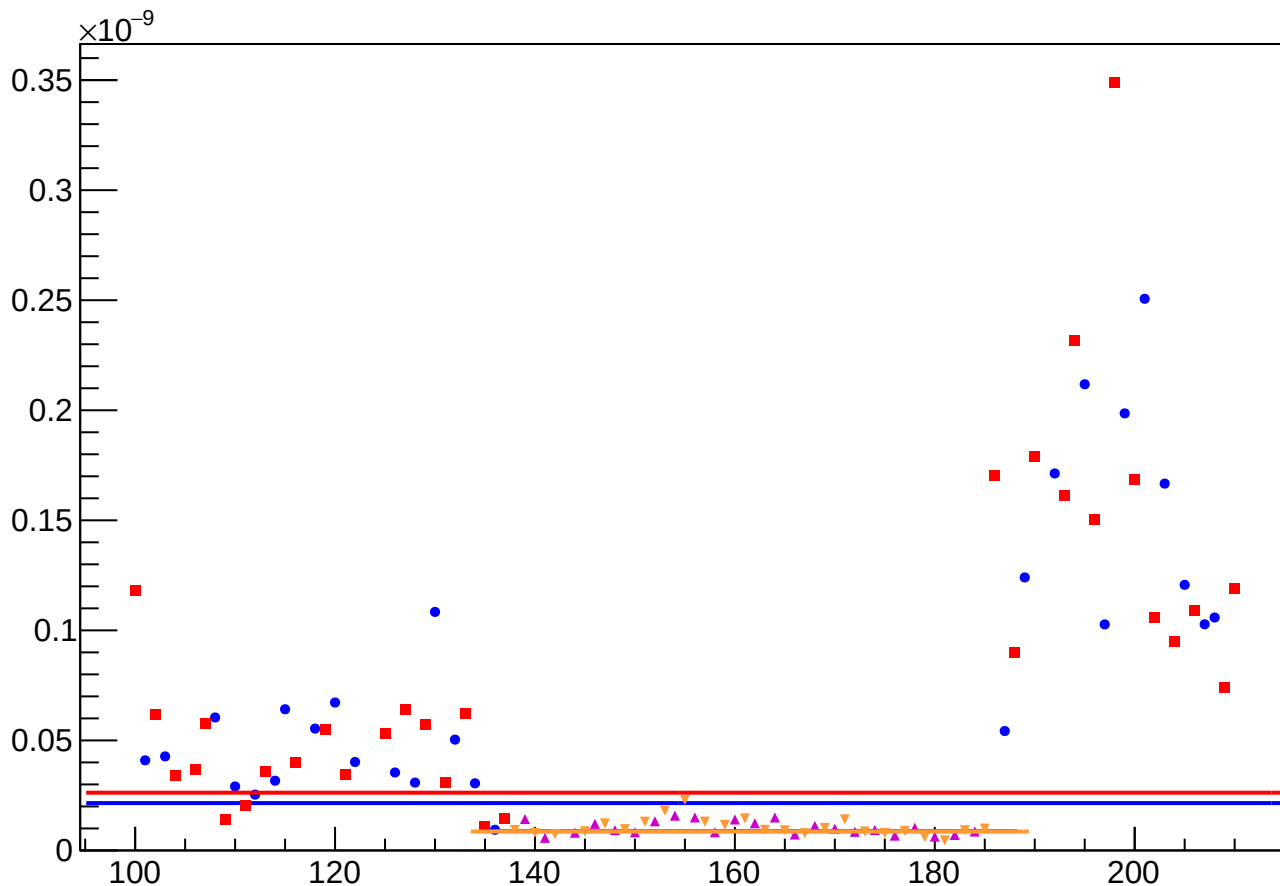
Left In: 0.000+/-0.000 χ^2/NDF : 40.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 54.2/50

All: 0.000+/-0.000 χ^2/NDF : 125.1/104

- sign 0.000+/-0.000 χ^2/NDF : 69.8/53

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 10486449.5/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2499872.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9866414.3/30

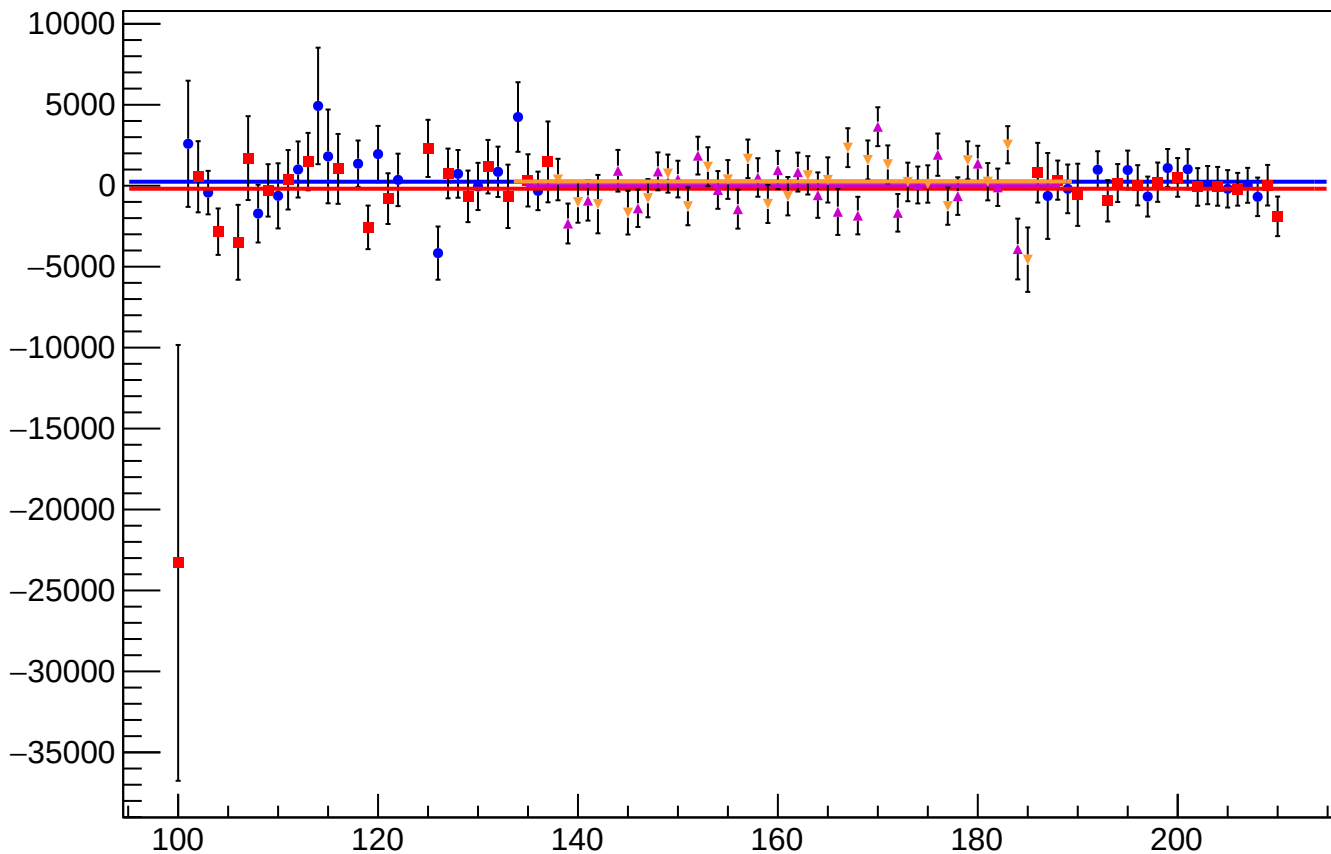
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1954811.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 15538309.1/50

All: 0.000 $\pm$ 0.000 χ^2/NDF : 31305626.8/104

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 15755856.9/53

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 247.765 $\pm$ 281.186 χ^2 /NDF: 20.2/26

Left Out: 260.650 $\pm$ 251.401 χ^2 /NDF:28.2/23

Right Out: -184.527 $\pm$ 268.702 χ^2 /NDF: 20.8/30

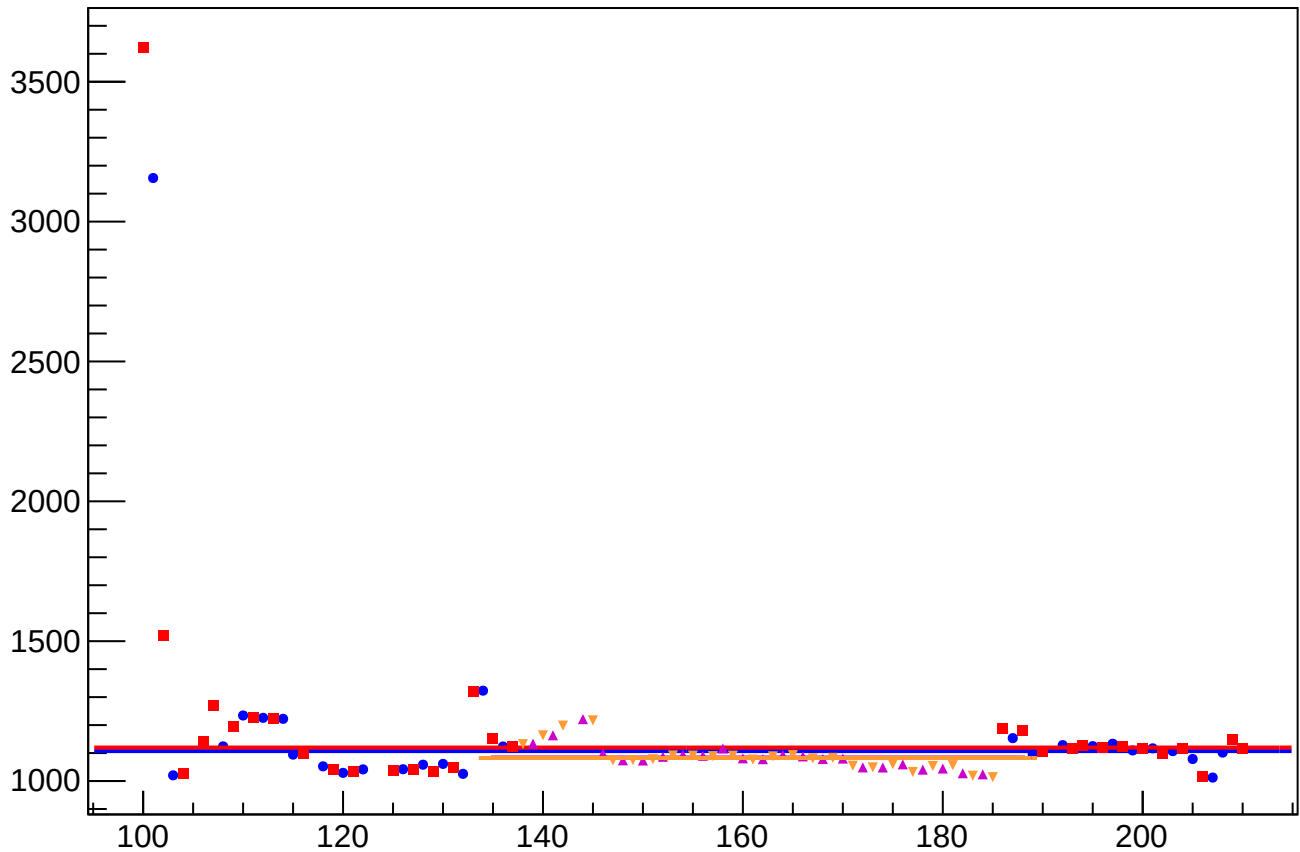
Left In: -22.368 $\pm$ 253.332 χ^2 /NDF:35.8/22

+ sign 254.926 $\pm$ 187.416 χ^2 /NDF: 48.4/50

All: 75.186 $\pm$ 131.417 χ^2 /NDF: 107.1/104

- sign -98.677 $\pm$ 184.327 χ^2 /NDF: 56.8/53

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1106.949 $\pm$ 0.199 χ^2 /NDF: 643847.5/26

Left Out: 1082.308 $\pm$ 0.178 χ^2 /NDF: 57873.0/23

Right Out: 1119.726 $\pm$ 0.190 χ^2 /NDF: 252544.1/30

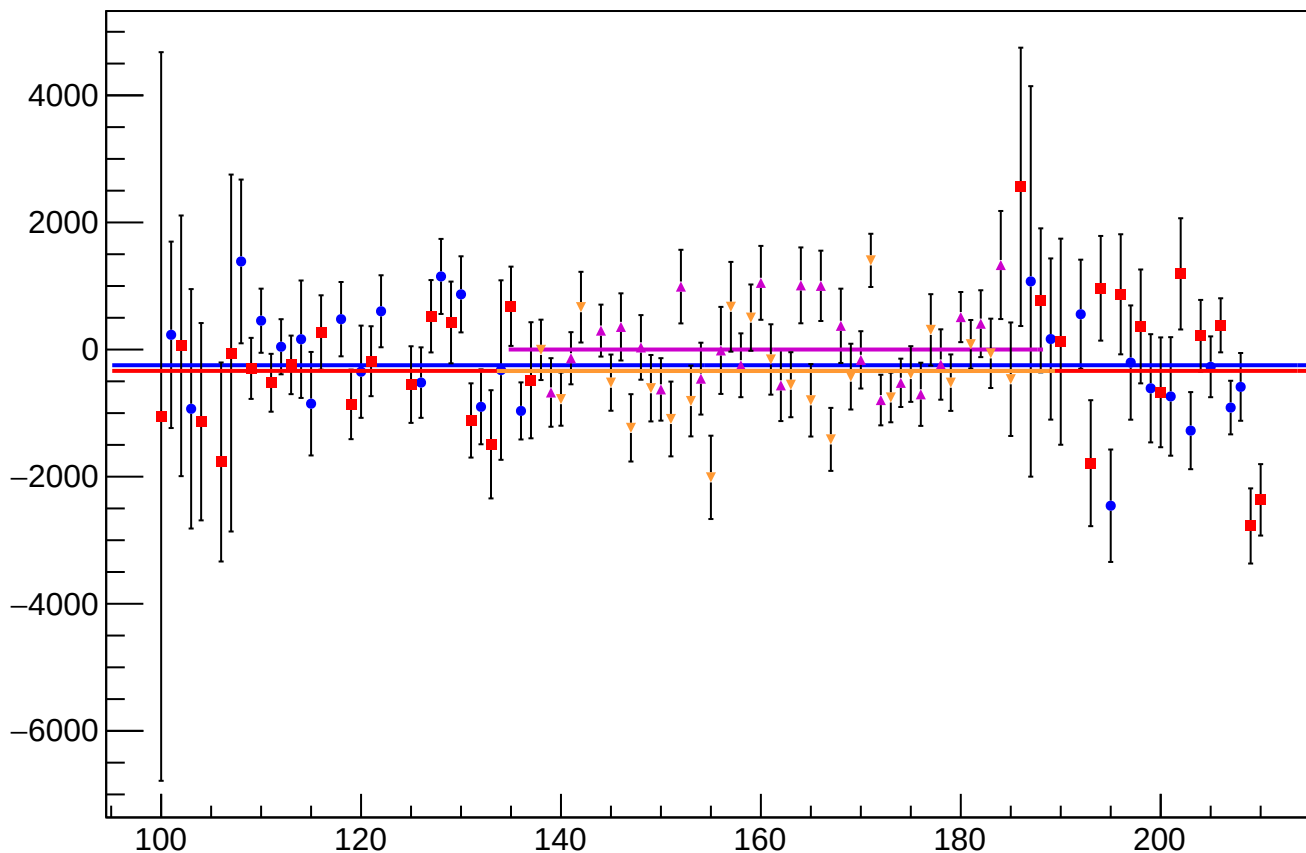
Left In: 1084.166 $\pm$ 0.179 χ^2 /NDF: 53438.8/22

+ sign 1093.254 $\pm$ 0.133 χ^2 /NDF: 710256.1/50

All: 1097.141 $\pm$ 0.093 χ^2 /NDF: 1036474.8/10

- sign 1100.900 $\pm$ 0.130 χ^2 /NDF: 324526.8/53

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug



Right In: -246.707 $\pm$ 127.183 χ^2 /NDF: 35.6/26

Left Out: -337.727 $\pm$ 102.601 χ^2 /NDF: 48.8/23

Right Out: -335.412 $\pm$ 124.460 χ^2 /NDF: 60.3/30

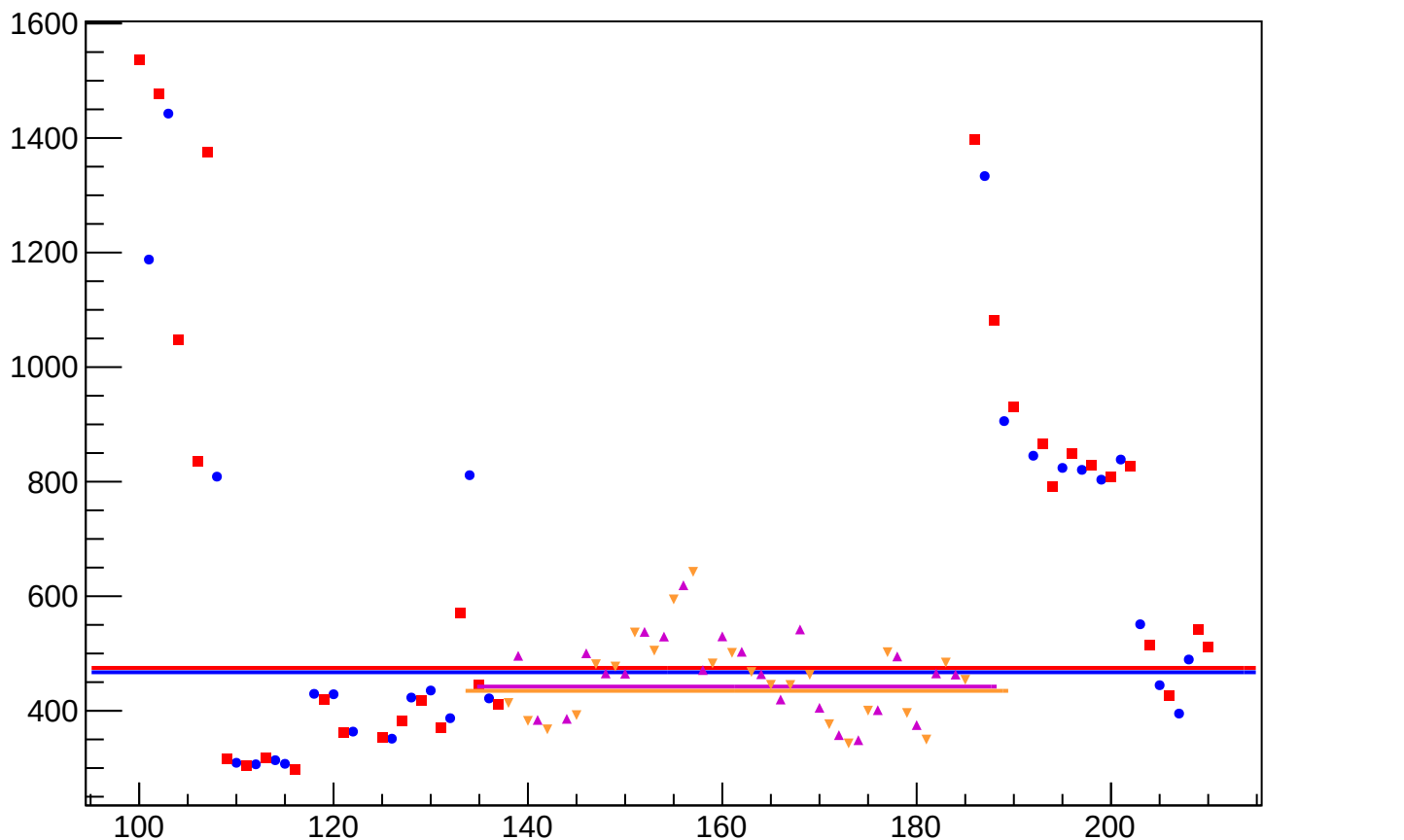
Left In: 0.547 $\pm$ 104.733 χ^2 /NDF: 31.9/22

+ sign -301.844 $\pm$ 79.856 χ^2 /NDF: 84.7/50

All: -220.572 $\pm$ 56.565 χ^2 /NDF: 183.2/104

- sign -138.729 $\pm$ 80.135 χ^2 /NDF: 96.4/53

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 467.243 $\pm$ 0.090 χ^2 /NDF: 4278456.4/26

Left Out: 434.858 $\pm$ 0.073 χ^2 /NDF: 878416.4/23

Right Out: 474.873 $\pm$ 0.088 χ^2 /NDF: 5413255.6/30

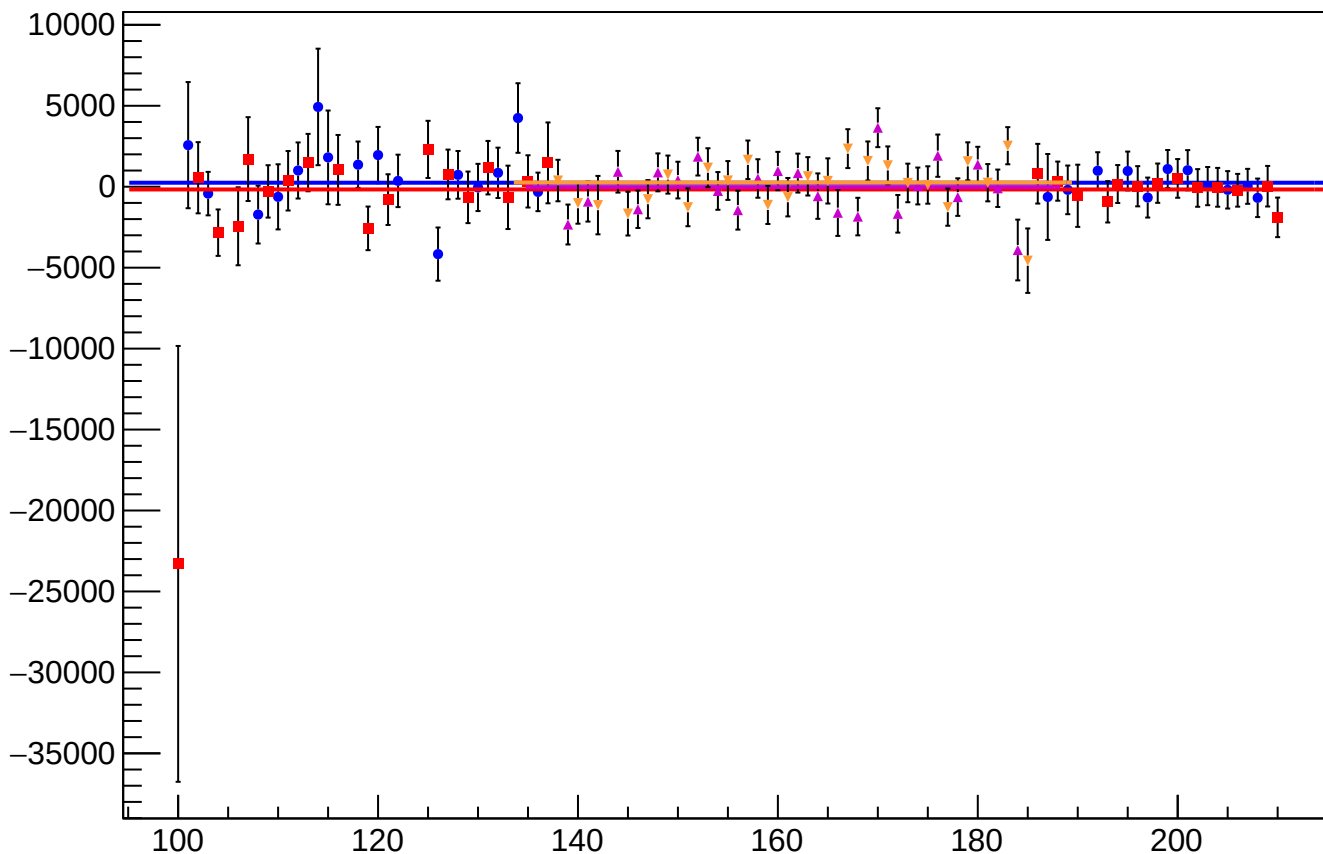
Left In: 442.209 $\pm$ 0.074 χ^2 /NDF: 825972.2/22

+ sign 447.626 $\pm$ 0.056 χ^2 /NDF: 5235424.9/50

All: 451.674 $\pm$ 0.040 χ^2 /NDF: 11565616.3/10

- sign 455.750 $\pm$ 0.057 χ^2 /NDF: 6319876.8/53

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 247.643 $\pm$ 281.186 χ^2 /NDF: 20.2/26

Left Out: 260.639 $\pm$ 251.401 χ^2 /NDF:28.2/23

Right Out: -167.964 $\pm$ 268.842 χ^2 /NDF: 19.7/30

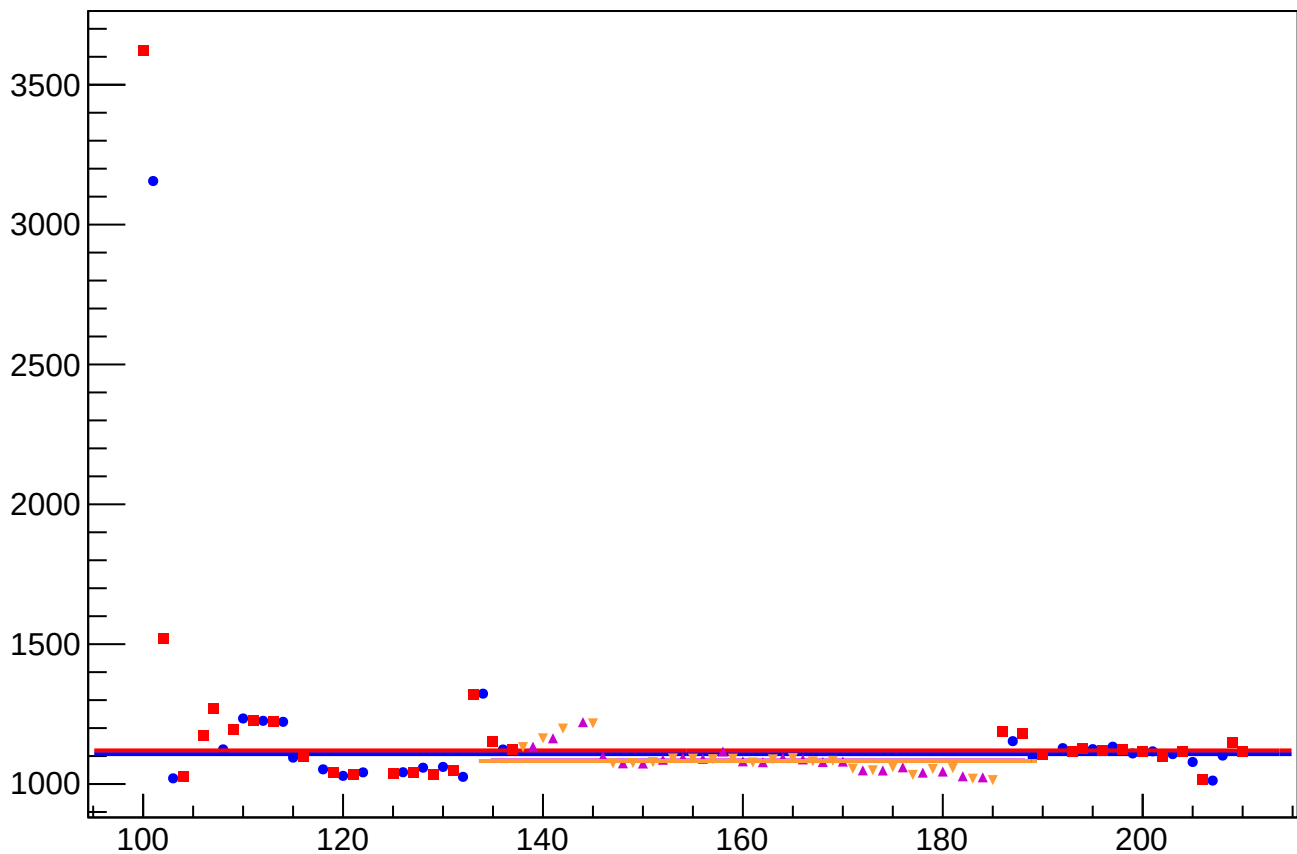
Left In: -22.362 $\pm$ 253.332 χ^2 /NDF:35.8/22

+ sign 254.866 $\pm$ 187.416 χ^2 /NDF: 48.4/50

All: 79.182 $\pm$ 131.434 χ^2 /NDF: 105.8/104

- sign -90.842 $\pm$ 184.372 χ^2 /NDF: 55.6/53

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1106.948 $\pm$ 0.199 χ^2 /NDF: 643848.4/26

Left Out: 1082.308 $\pm$ 0.178 χ^2 /NDF: 57873.0/23

Right Out: 1120.095 $\pm$ 0.190 χ^2 /NDF: 253313.9/30

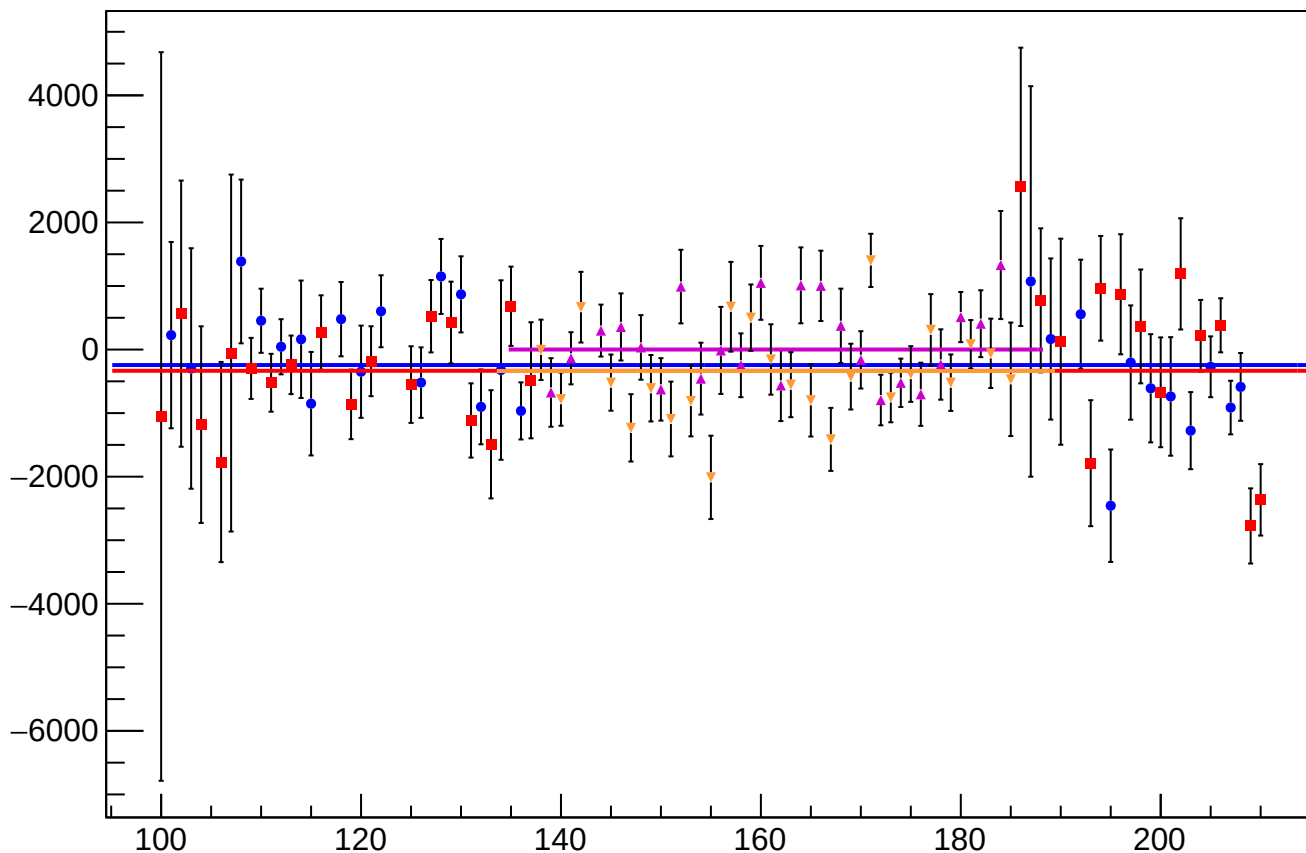
Left In: 1084.166 $\pm$ 0.179 χ^2 /NDF: 53438.8/22

+ sign 1093.254 $\pm$ 0.133 χ^2 /NDF: 710257.0/50

All: 1097.223 $\pm$ 0.093 χ^2 /NDF: 1037695.2/10

- sign 1101.064 $\pm$ 0.130 χ^2 /NDF: 325673.2/53

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug



Right In: -243.902 ± 127.184 χ^2/NDF : 35.4/26

Left Out: -337.816 ± 102.601 χ^2/NDF : 48.8/23

Right Out: -333.940 ± 124.472 χ^2/NDF : 60.5/30

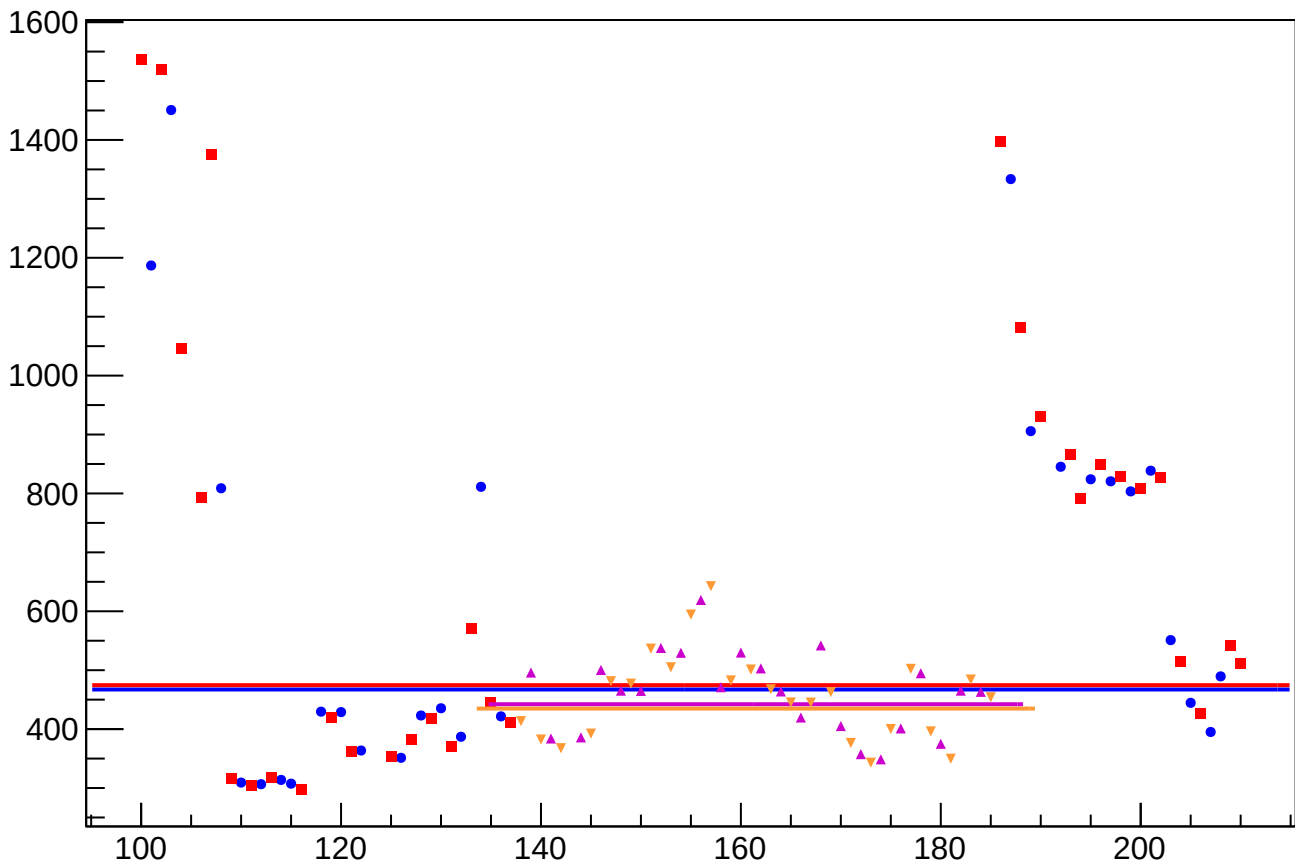
Left In: 0.567 ± 104.733 χ^2/NDF : 31.9/22

+ sign -300.793 ± 79.856 χ^2/NDF : 84.5/50

All: -219.730 ± 56.566 χ^2/NDF : 183.2/104

- sign -138.092 ± 80.139 χ^2/NDF : 96.6/53

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 467.238 $\pm$ 0.090 χ^2 /NDF: 4282246.9/26

Left Out: 434.856 $\pm$ 0.073 χ^2 /NDF: 878507.3/23

Right Out: 474.596 $\pm$ 0.088 χ^2 /NDF: 5407904.8/30

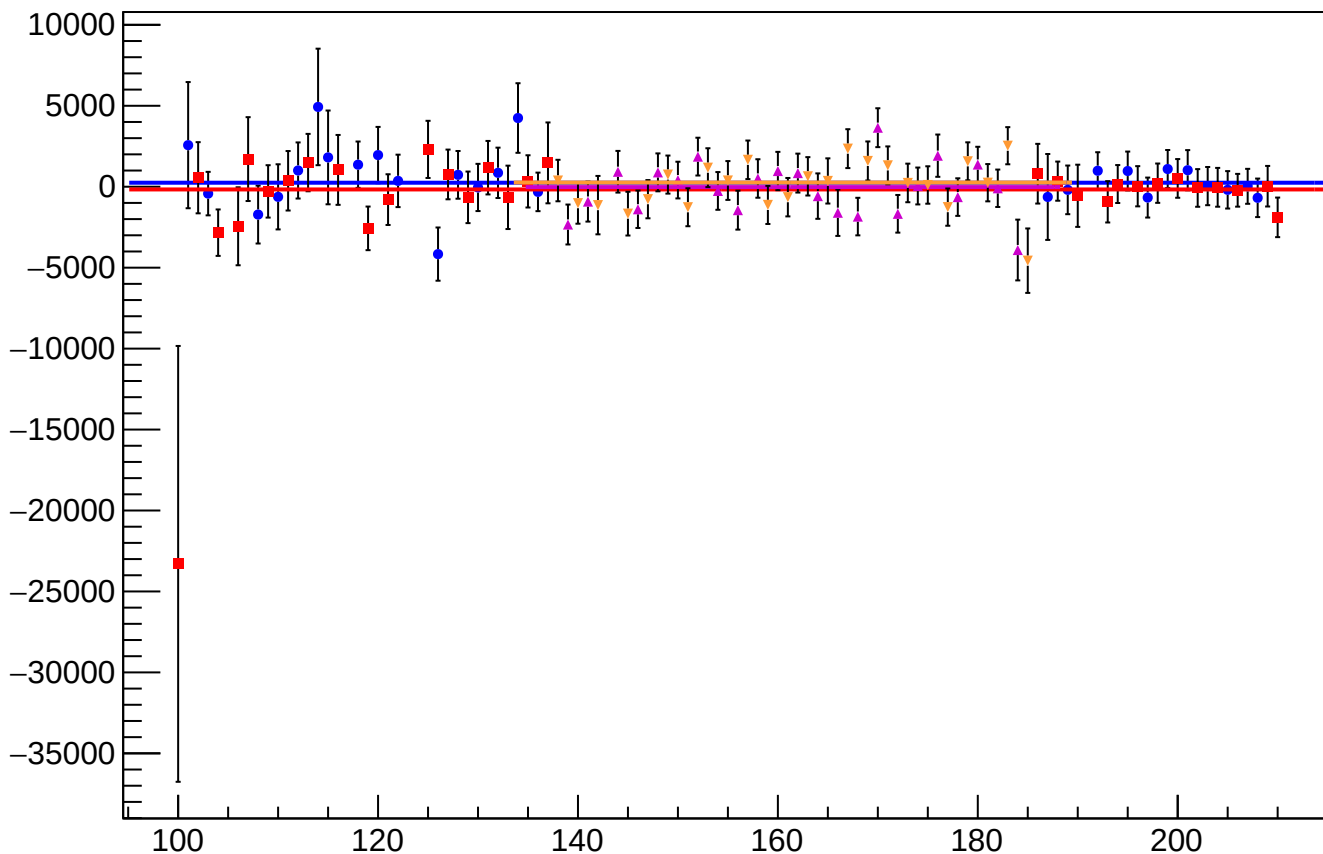
Left In: 442.210 $\pm$ 0.074 χ^2 /NDF: 825844.5/22

+ sign 447.622 $\pm$ 0.056 χ^2 /NDF: 5239291.4/50

All: 451.614 $\pm$ 0.040 χ^2 /NDF: 11562344.9/10

- sign 455.634 $\pm$ 0.057 χ^2 /NDF: 6313021.3/53

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 247.643 $\pm$ 281.186 χ^2 /NDF: 20.2/26

Left Out: 260.639 $\pm$ 251.401 χ^2 /NDF:28.2/23

Right Out: -167.964 $\pm$ 268.842 χ^2 /NDF: 19.7/30

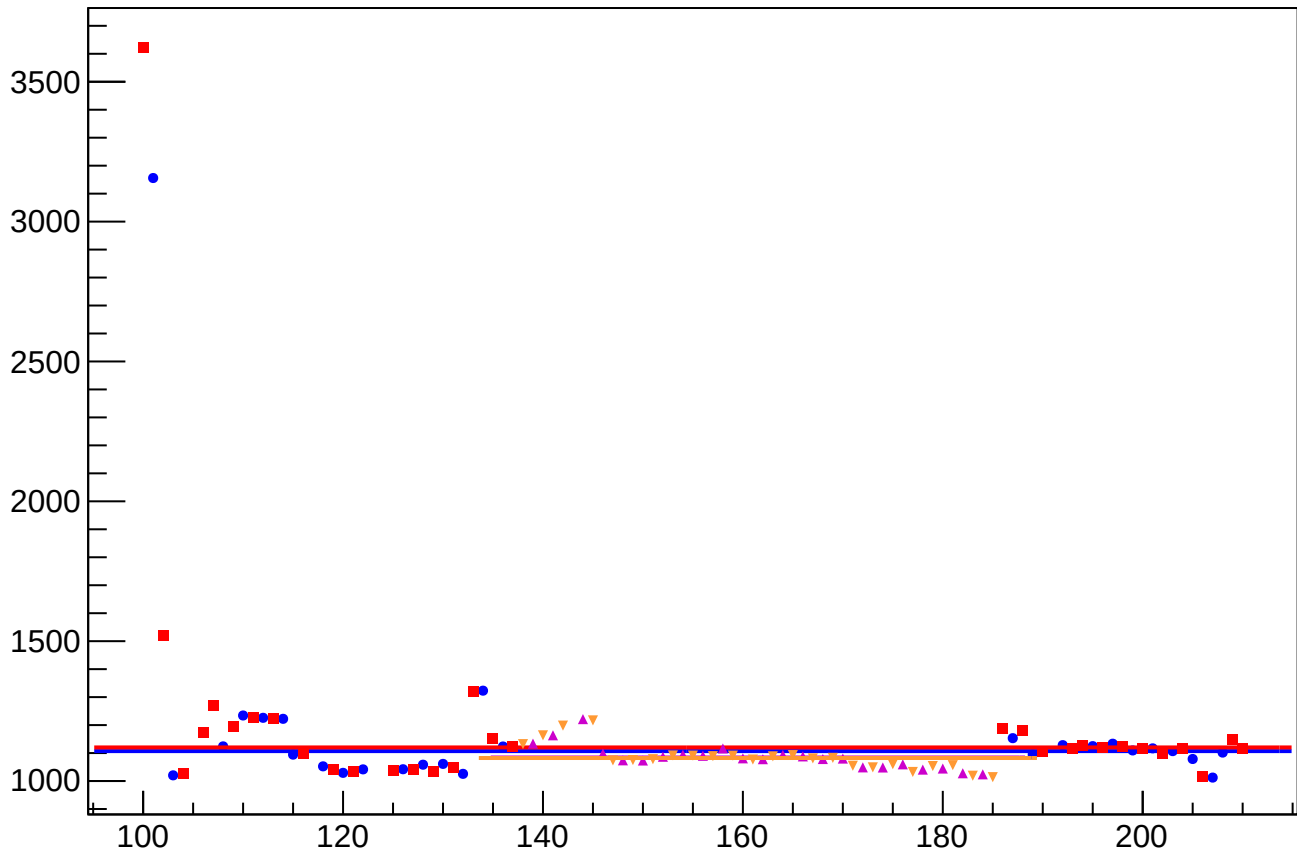
Left In: -22.362 $\pm$ 253.332 χ^2 /NDF:35.8/22

+ sign 254.866 $\pm$ 187.416 χ^2 /NDF: 48.4/50

All: 79.182 $\pm$ 131.434 χ^2 /NDF: 105.8/104

- sign -90.842 $\pm$ 184.372 χ^2 /NDF: 55.6/53

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1106.948 $\pm$ 0.199 χ^2 /NDF: 643848.4/26

Left Out: 1082.308 $\pm$ 0.178 χ^2 /NDF: 57873.0/23

Right Out: 1120.095 $\pm$ 0.190 χ^2 /NDF: 253313.9/30

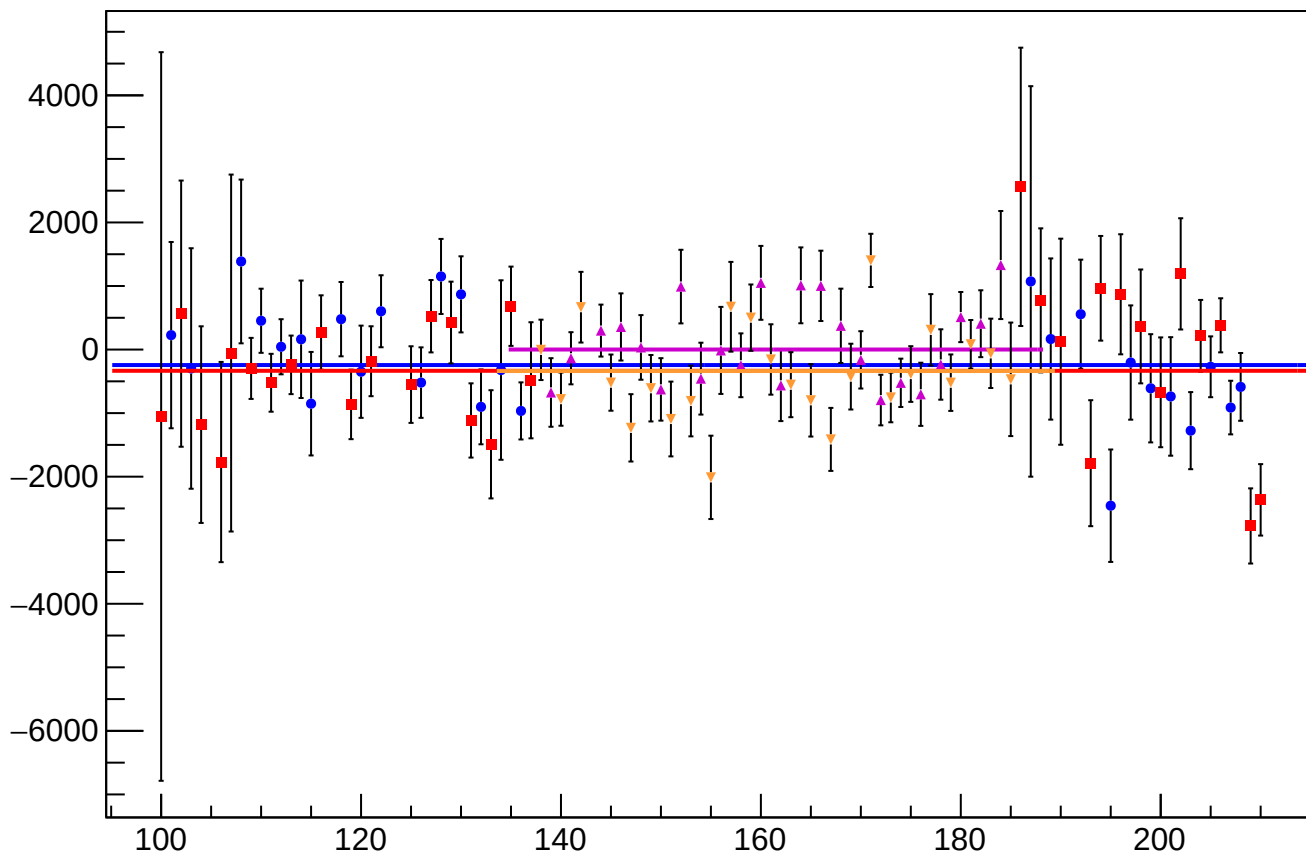
Left In: 1084.166 $\pm$ 0.179 χ^2 /NDF: 53438.8/22

+ sign 1093.254 $\pm$ 0.133 χ^2 /NDF: 710257.0/50

All: 1097.223 $\pm$ 0.093 χ^2 /NDF: 1037695.2/10

- sign 1101.064 $\pm$ 0.130 χ^2 /NDF: 325673.2/53

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: -243.902 ± 127.184 χ^2/NDF : 35.4/26

Left Out: -337.816 ± 102.601 χ^2/NDF : 48.8/23

Right Out: -333.940 ± 124.472 χ^2/NDF : 60.5/30

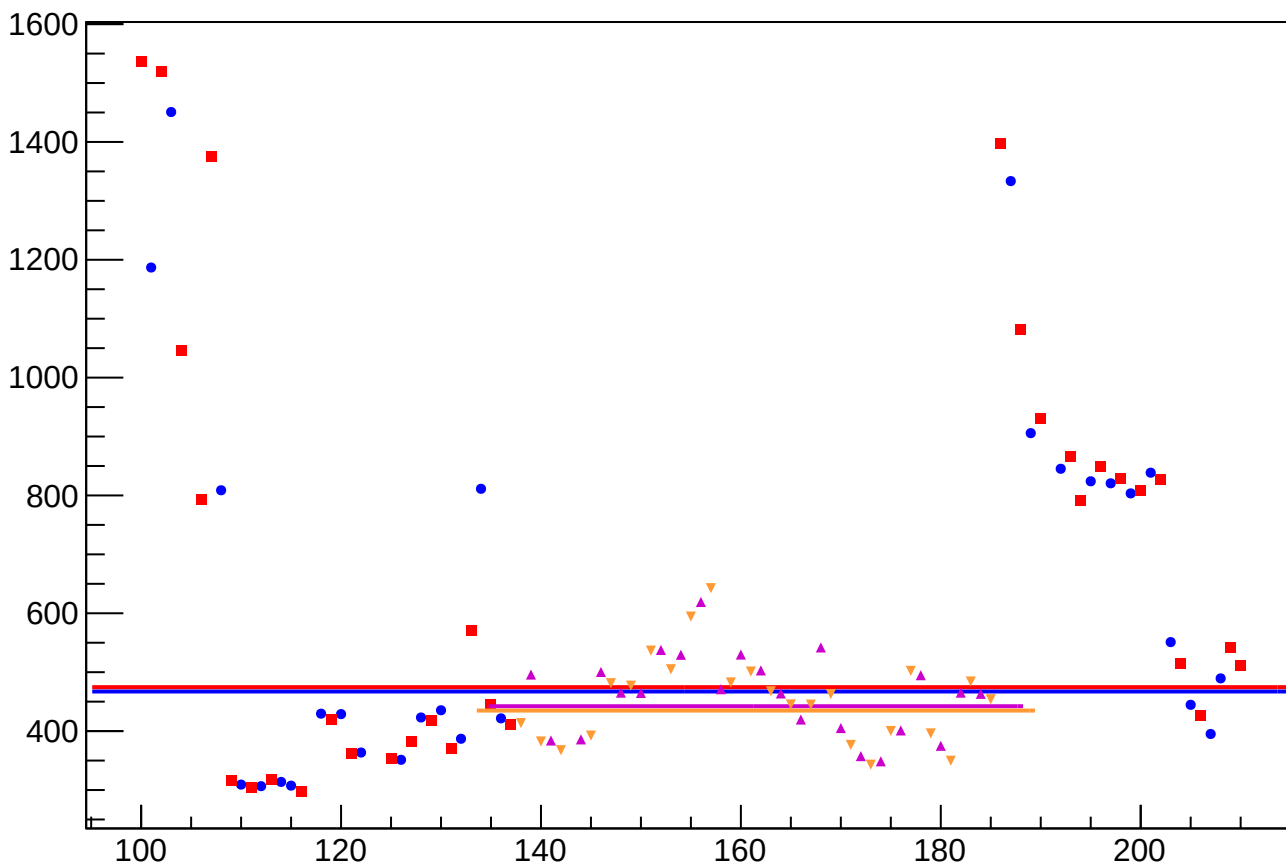
Left In: 0.567 ± 104.733 χ^2/NDF : 31.9/22

+ sign -300.793 ± 79.856 χ^2/NDF : 84.5/50

All: -219.730 ± 56.566 χ^2/NDF : 183.2/104

- sign -138.092 ± 80.139 χ^2/NDF : 96.6/53

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 467.238 $\pm$ 0.090 χ^2 /NDF: 4282246.9/26

Left Out: 434.856 $\pm$ 0.073 χ^2 /NDF: 878507.3/23

Right Out: 474.596 $\pm$ 0.088 χ^2 /NDF: 5407904.8/30

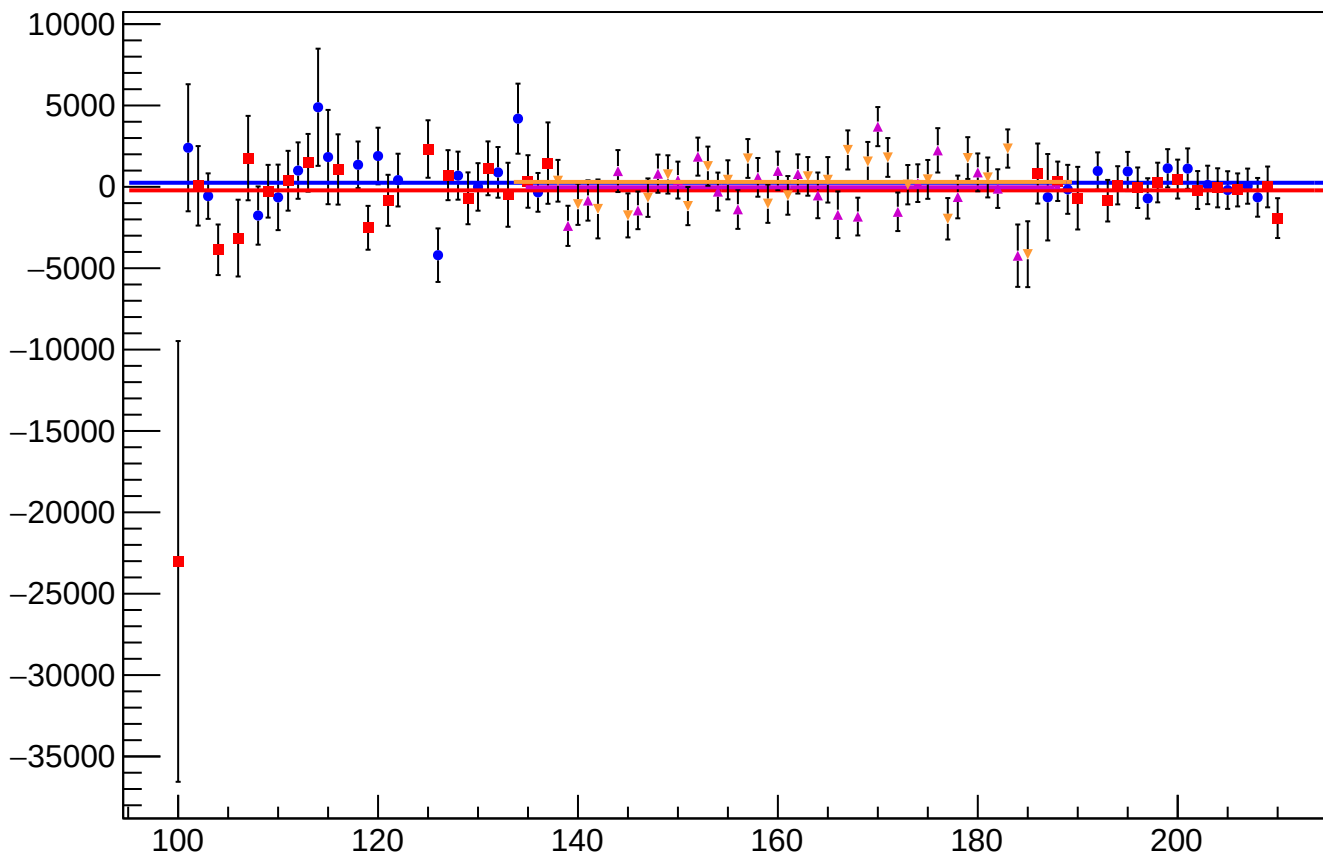
Left In: 442.210 $\pm$ 0.074 χ^2 /NDF: 825844.5/22

+ sign 447.622 $\pm$ 0.056 χ^2 /NDF: 5239291.4/50

All: 451.614 $\pm$ 0.040 χ^2 /NDF: 11562344.9/10

- sign 455.634 $\pm$ 0.057 χ^2 /NDF: 6313021.3/53

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 251.586 $\pm$ 281.981 χ^2 /NDF: 20.3/26

Left Out: 303.404 $\pm$ 255.556 χ^2 /NDF: 28.5/23

Right Out: -215.505 $\pm$ 270.179 χ^2 /NDF: 22.1/30

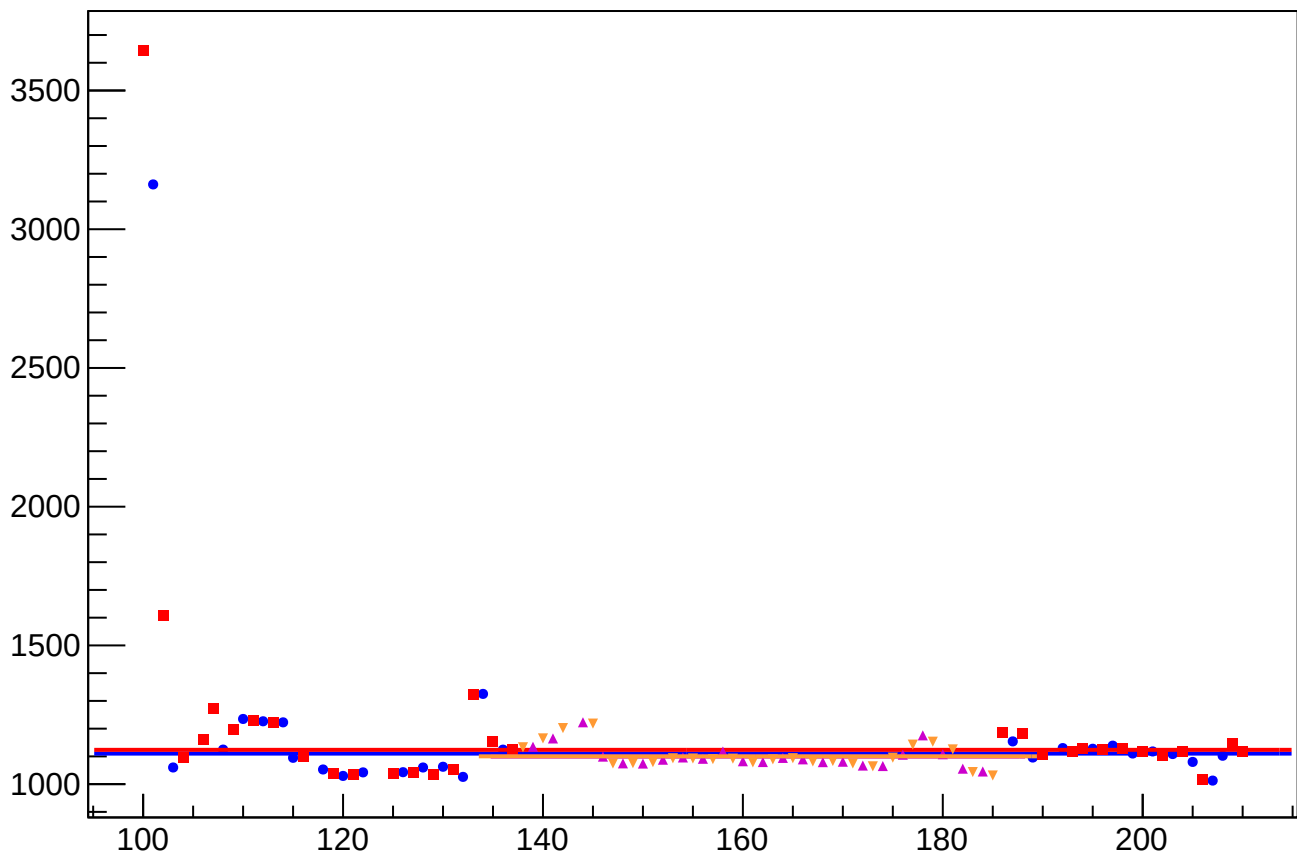
Left In: -25.319 $\pm$ 256.866 χ^2 /NDF: 35.9/22

+ sign 280.036 $\pm$ 189.360 χ^2 /NDF: 48.8/50

All: 78.841 $\pm$ 132.752 χ^2 /NDF: 109.3/104

- sign -115.611 $\pm$ 186.160 χ^2 /NDF: 58.2/53

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.101+/-0.199 χ^2/NDF : 638947.2/26

Left Out: 1100.258+/-0.181 χ^2/NDF : 48774.1/23

Right Out: 1123.623+/-0.191 χ^2/NDF : 259085.4/30

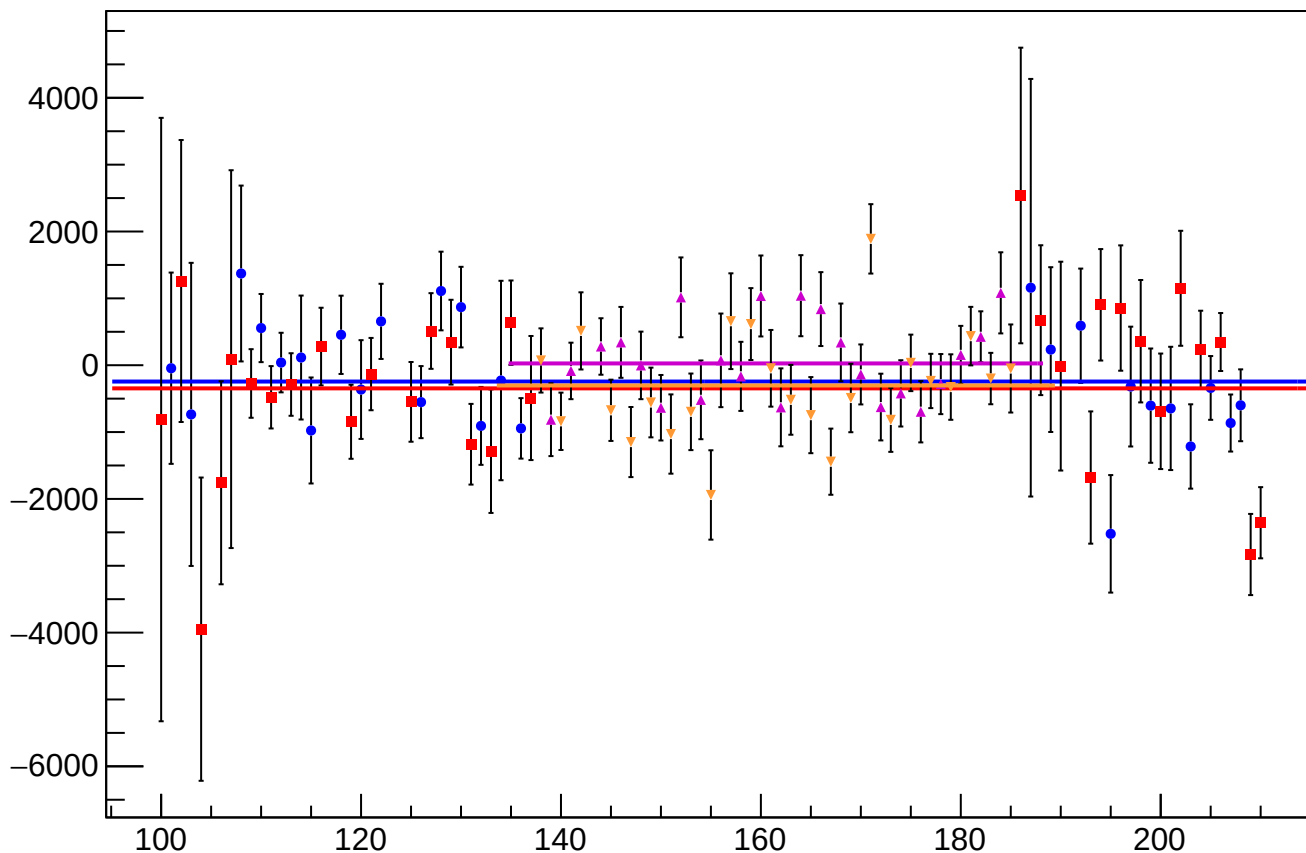
Left In: 1099.342+/-0.182 χ^2/NDF : 44785.6/22

+ sign 1104.697+/-0.134 χ^2/NDF : 689059.4/50

All: 1107.836+/-0.094 χ^2/NDF : 1002495.7/10

- sign 1110.870+/-0.132 χ^2/NDF : 312355.6/53

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: -244.250 $\pm$ 127.770 χ^2 /NDF: 35.6/26

Left Out: -303.217 $\pm$ 102.979 χ^2 /NDF: 49.5/23

Right Out: -346.461 $\pm$ 125.959 χ^2 /NDF: 61.9/30

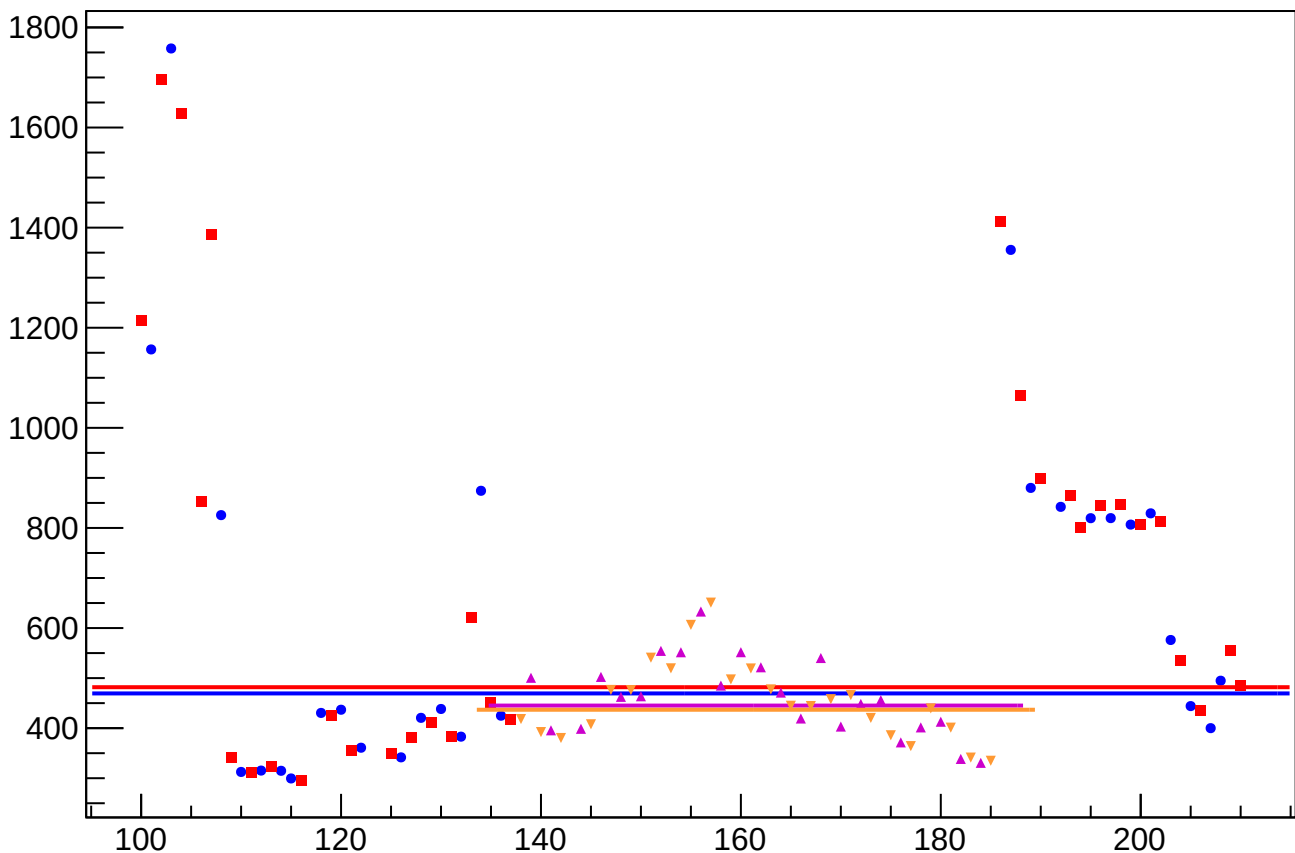
Left In: 26.740 $\pm$ 105.420 χ^2 /NDF: 27.9/22

+ sign -279.996 $\pm$ 80.179 χ^2 /NDF: 85.2/50

All: -204.124 $\pm$ 56.928 χ^2 /NDF: 181.9/104

- sign -126.992 $\pm$ 80.843 χ^2 /NDF: 94.9/53

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 469.391+/-0.090 χ^2/NDF : 4382038.0/26

Left Out: 436.787+/-0.073 χ^2/NDF : 855206.3/23

Right Out: 481.824+/-0.089 χ^2/NDF : 5727352.4/30

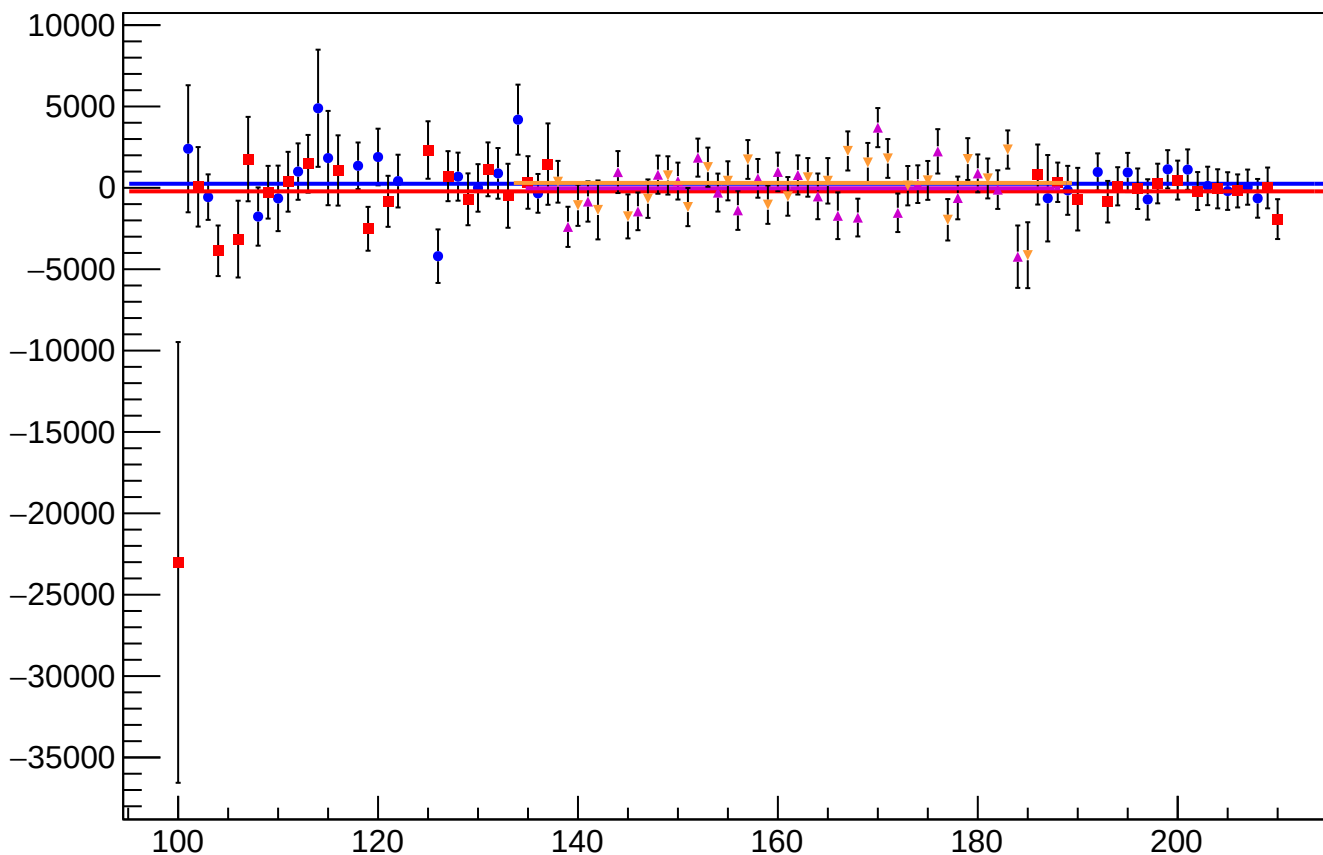
Left In: 445.109+/-0.075 χ^2/NDF : 874534.9/22

+ sign 449.626+/-0.057 χ^2/NDF : 5316193.3/50

All: 454.886+/-0.040 χ^2/NDF : 12035366.0/10

- sign 460.233+/-0.057 χ^2/NDF : 6701817.4/53

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 251.585 ± 281.981 χ^2/NDF : 20.3/26

Left Out: 303.402 ± 255.556 χ^2/NDF : 28.5/23

Right Out: -215.505 ± 270.179 χ^2/NDF : 22.1/30

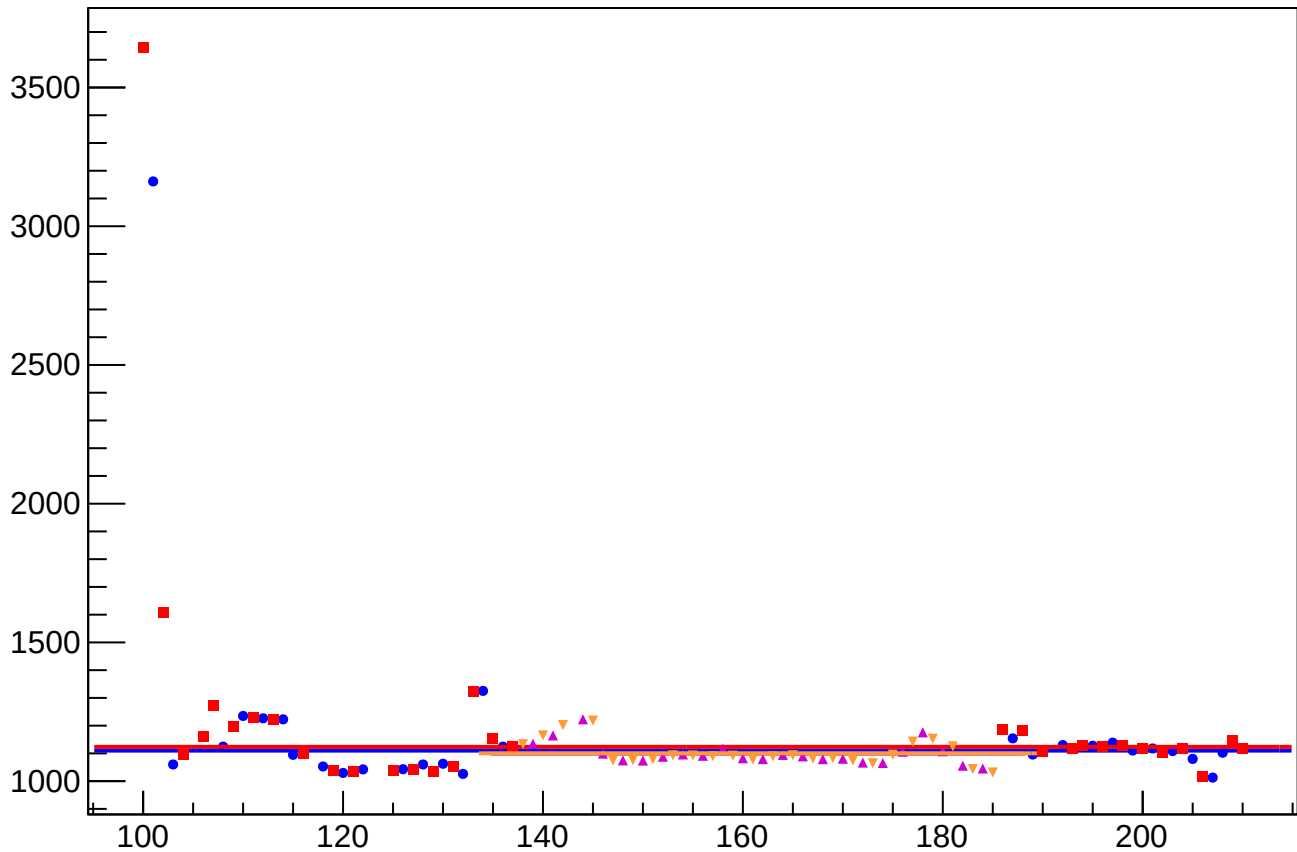
Left In: -25.320 ± 256.866 χ^2/NDF : 35.9/22

+ sign 280.034 ± 189.360 χ^2/NDF : 48.8/50

All: 78.840 ± 132.752 χ^2/NDF : 109.3/104

- sign -115.612 ± 186.160 χ^2/NDF : 58.2/53

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.101+/-0.199 χ^2/NDF : 638947.3/26

Left Out: 1100.258+/-0.181 χ^2/NDF : 48774.3/23

Right Out: 1123.623+/-0.191 χ^2/NDF : 259085.6/30

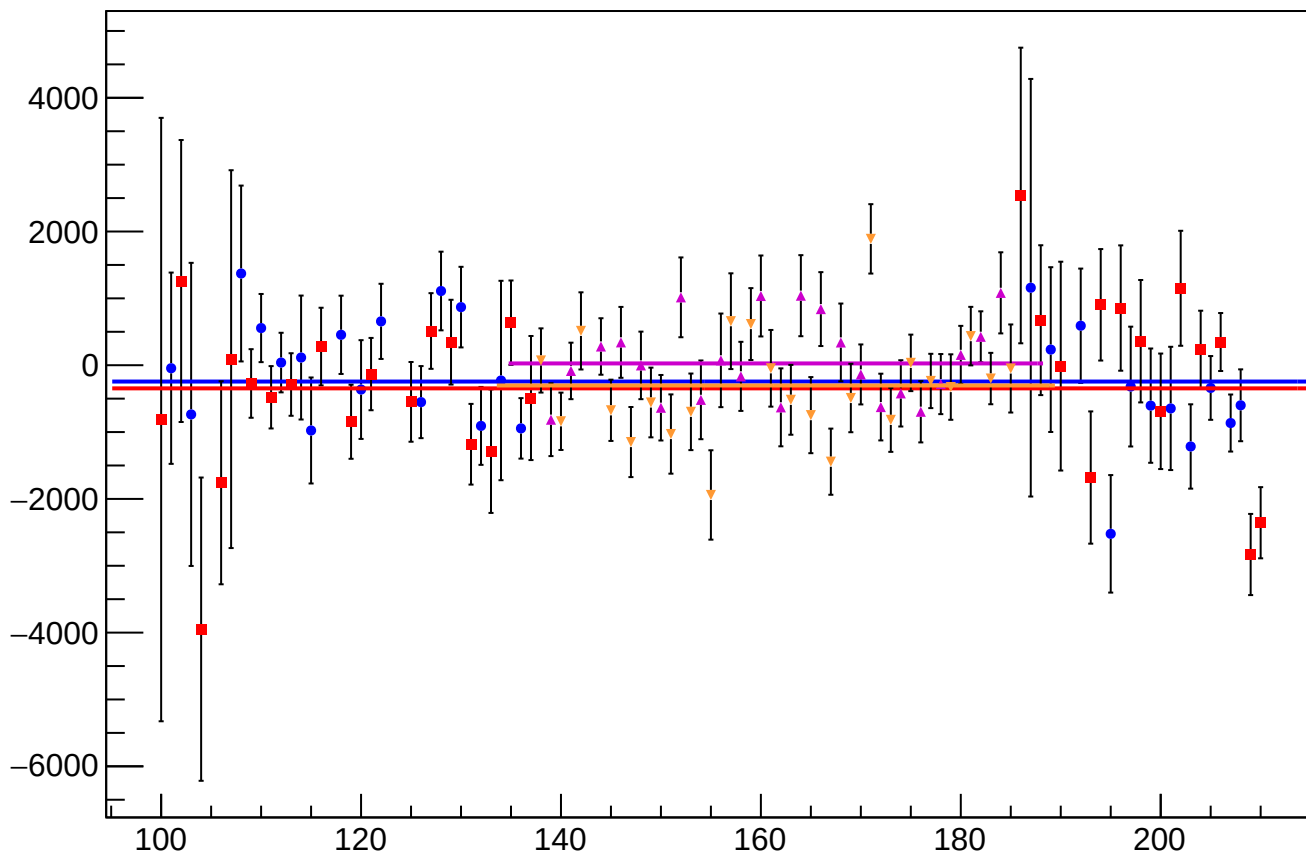
Left In: 1099.342+/-0.182 χ^2/NDF : 44785.7/22

+ sign 1104.697+/-0.134 χ^2/NDF : 689059.7/50

All: 1107.836+/-0.094 χ^2/NDF : 1002496.2/10

- sign 1110.870+/-0.132 χ^2/NDF : 312355.8/53

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: -244.253 ± 127.770 χ^2/NDF : 35.6/26

Left Out: -303.218 ± 102.979 χ^2/NDF : 49.5/23

Right Out: -346.455 ± 125.959 χ^2/NDF : 61.9/30

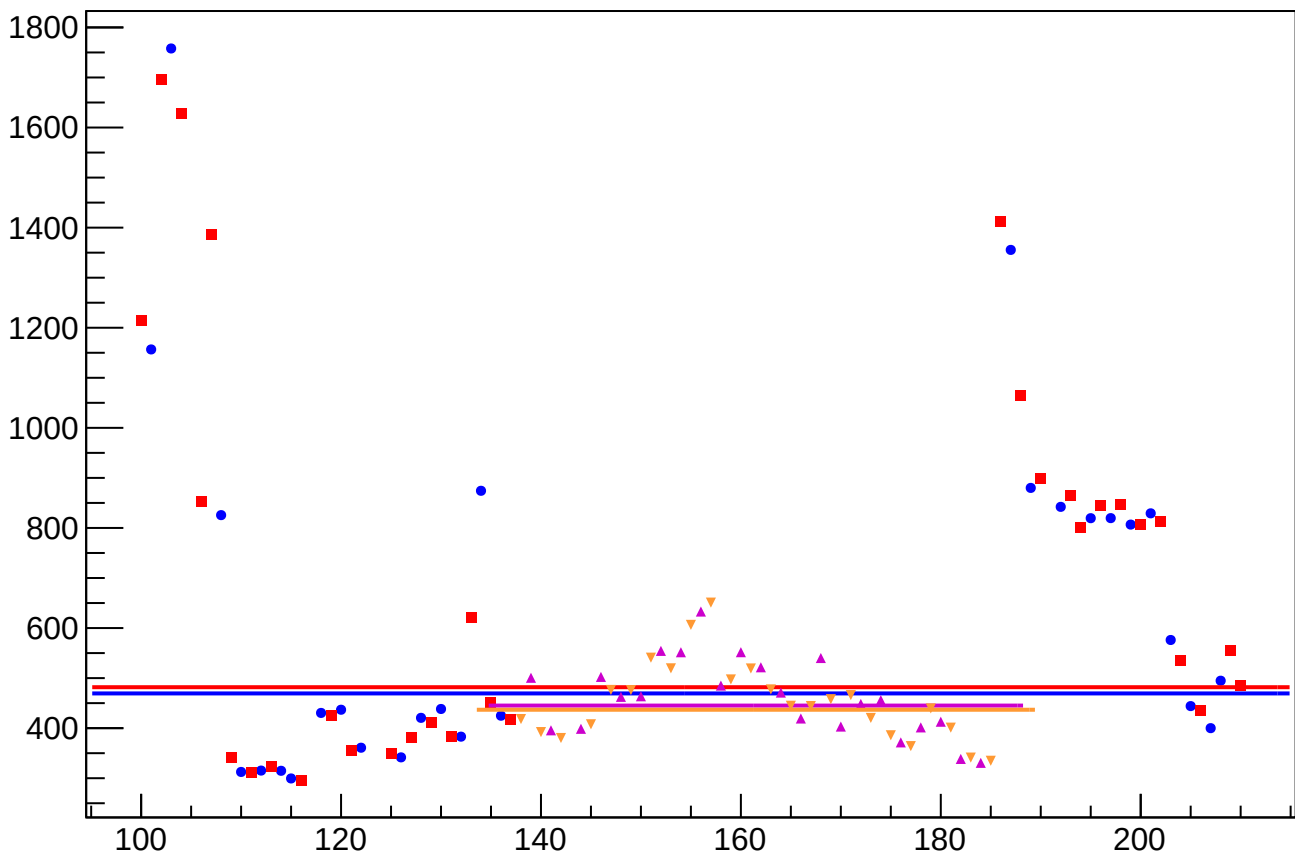
Left In: 26.739 ± 105.420 χ^2/NDF : 27.9/22

+ sign -279.998 ± 80.179 χ^2/NDF : 85.2/50

All: -204.124 ± 56.928 χ^2/NDF : 181.9/104

- sign -126.990 ± 80.842 χ^2/NDF : 94.9/53

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 469.389 $\pm$ 0.090 χ^2 /NDF: 4382072.1/26

Left Out: 436.787 $\pm$ 0.073 χ^2 /NDF: 855236.5/23

Right Out: 481.821 $\pm$ 0.089 χ^2 /NDF: 5727419.9/30

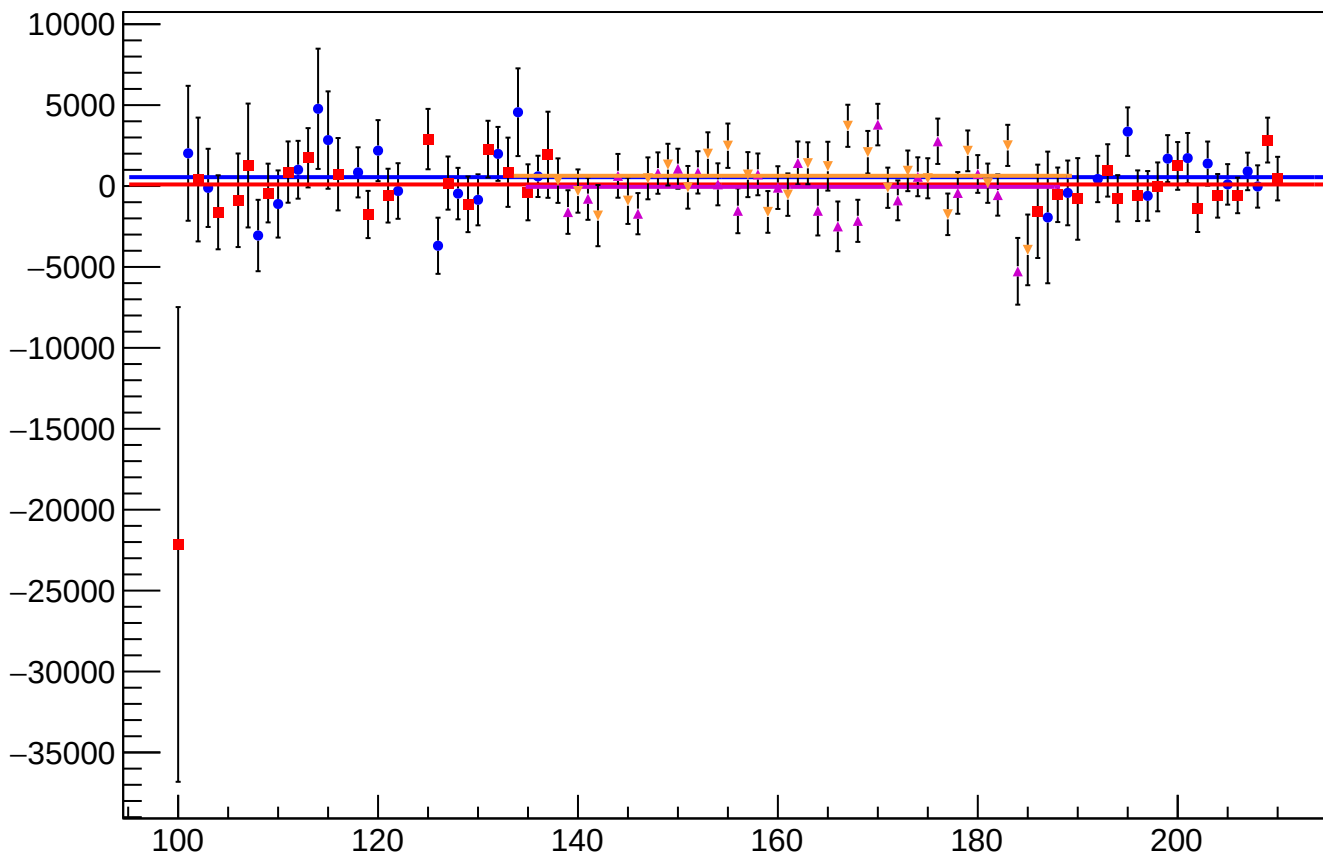
Left In: 445.108 $\pm$ 0.075 χ^2 /NDF: 874568.8/22

+ sign 449.625 $\pm$ 0.057 χ^2 /NDF: 5316247.6/50

All: 454.885 $\pm$ 0.040 χ^2 /NDF: 12035509.0/10

- sign 460.232 $\pm$ 0.057 χ^2 /NDF: 6701906.6/53

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 548.445 $\pm$ 324.382 χ^2 /NDF: 23.3/26

Left Out: 632.875 $\pm$ 274.060 χ^2 /NDF:30.1/23

Right Out: 97.252 $\pm$ 314.573 χ^2 /NDF: 18.7/30

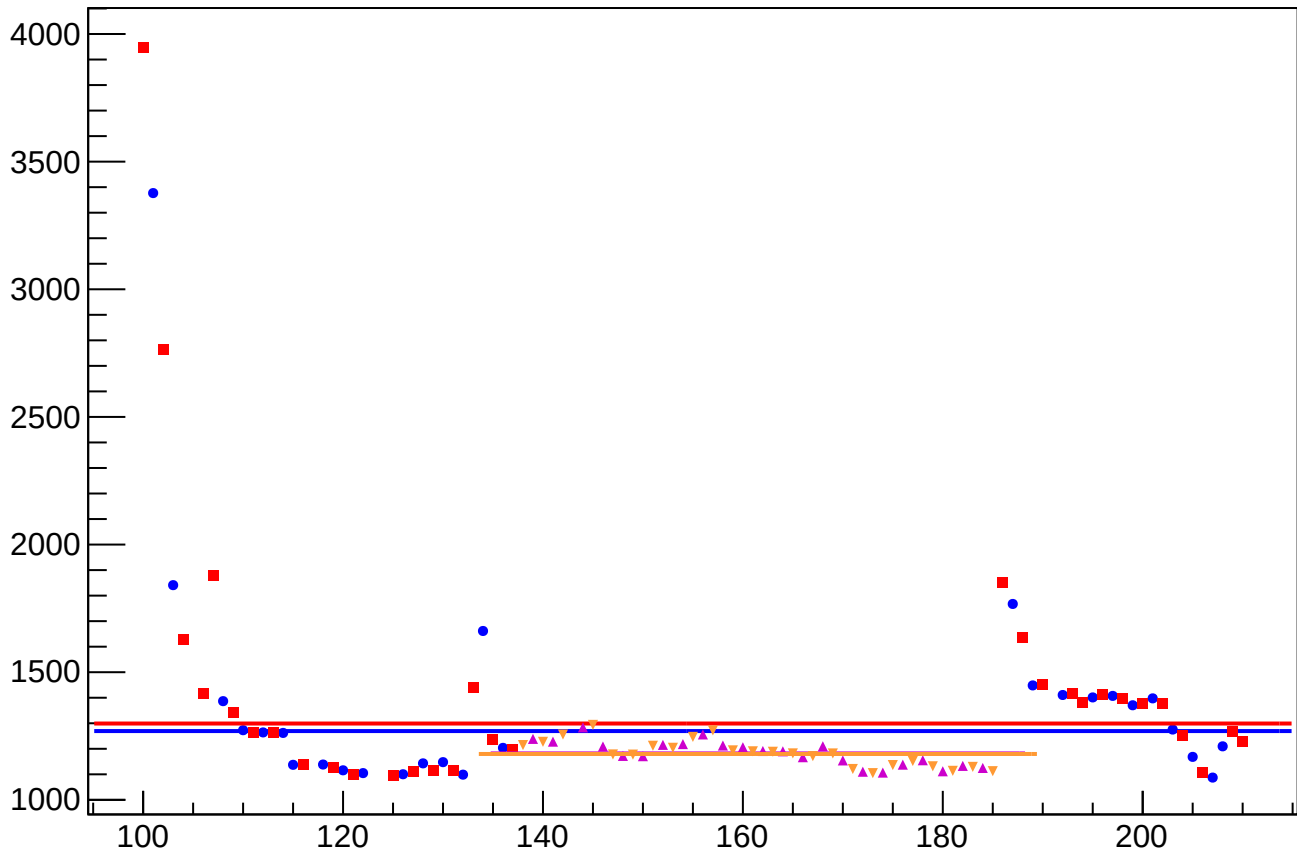
Left In: -50.835 $\pm$ 276.213 χ^2 /NDF:35.0/22

+ sign 597.710 $\pm$ 209.346 χ^2 /NDF: 53.5/50

All: 303.164 $\pm$ 147.393 χ^2 /NDF: 111.3/104

- sign 13.633 $\pm$ 207.557 χ^2 /NDF: 53.9/53

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1269.445 $\pm$ 0.229 χ^2/NDF : 977294.8/26

Left Out: 1179.713 $\pm$ 0.194 χ^2/NDF : 64667.7/23

Right Out: 1298.989 $\pm$ 0.222 χ^2/NDF : 906703.2/30

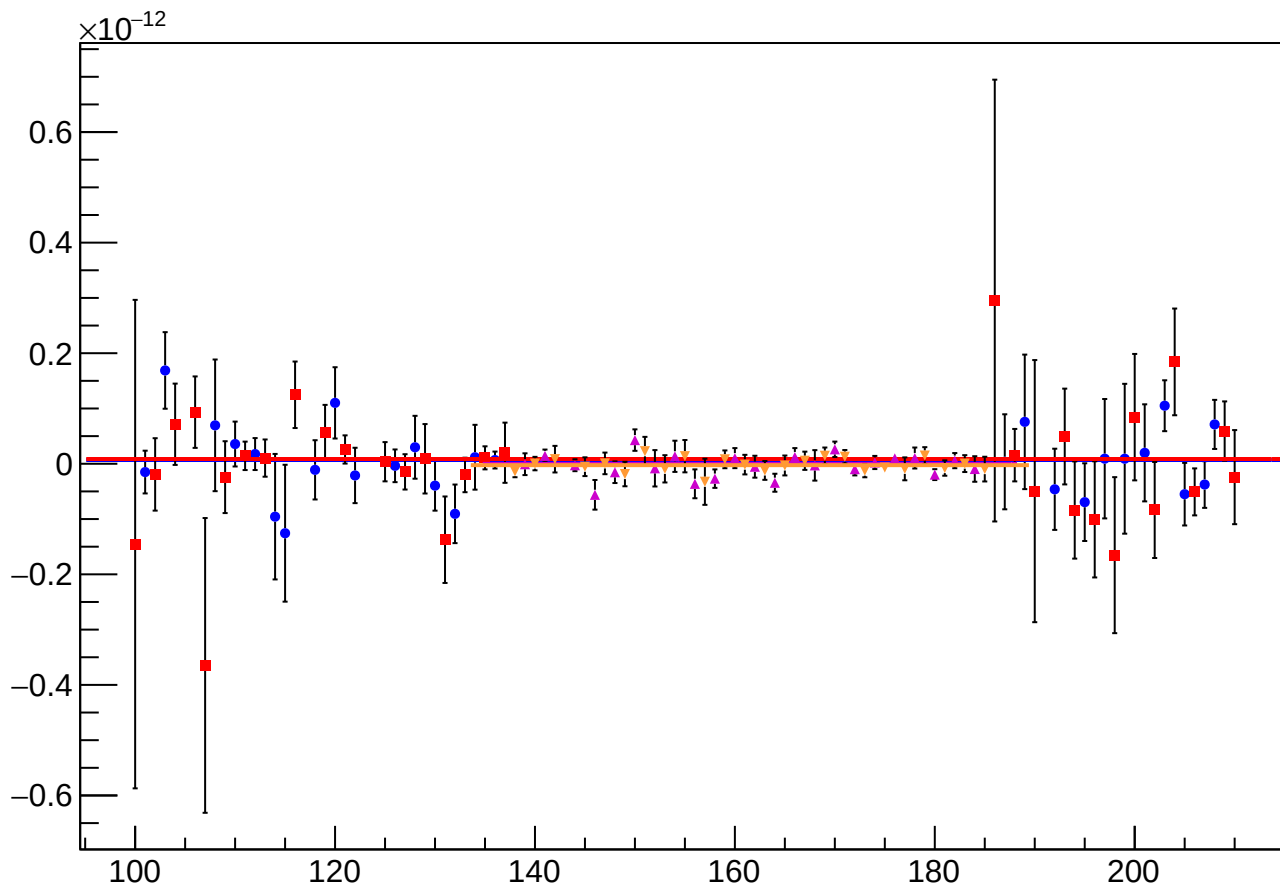
Left In: 1181.929 $\pm$ 0.195 χ^2/NDF : 60355.9/22

+ sign 1217.087 $\pm$ 0.148 χ^2/NDF : 1131261.9/50

All: 1225.056 $\pm$ 0.104 χ^2/NDF : 2260452.3/100

- sign 1232.890 $\pm$ 0.147 χ^2/NDF : 1123442.9/53

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.4/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:10.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.5/30

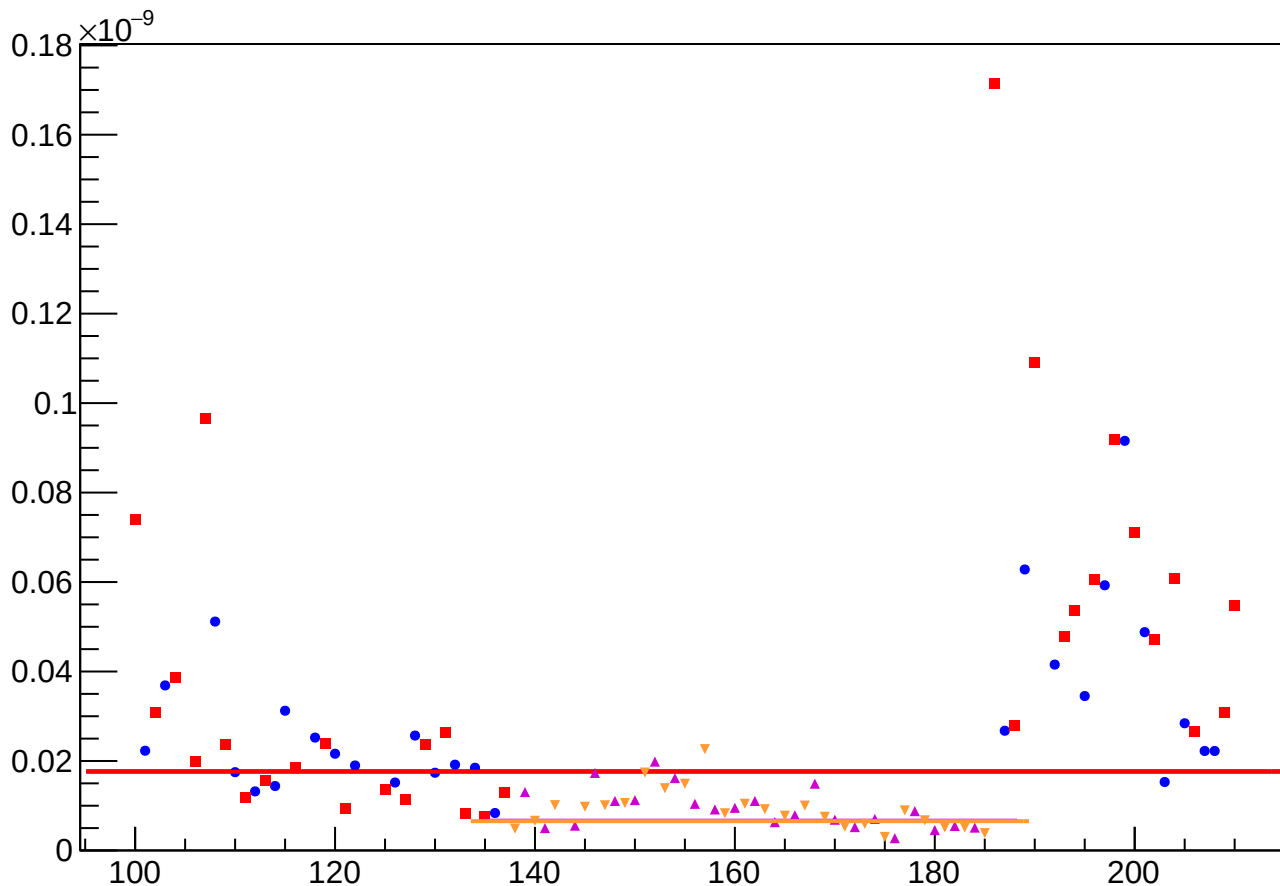
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:32.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 38.9/50

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 100.2/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.0/53

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3145507.3/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2332749.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5459648.9/30

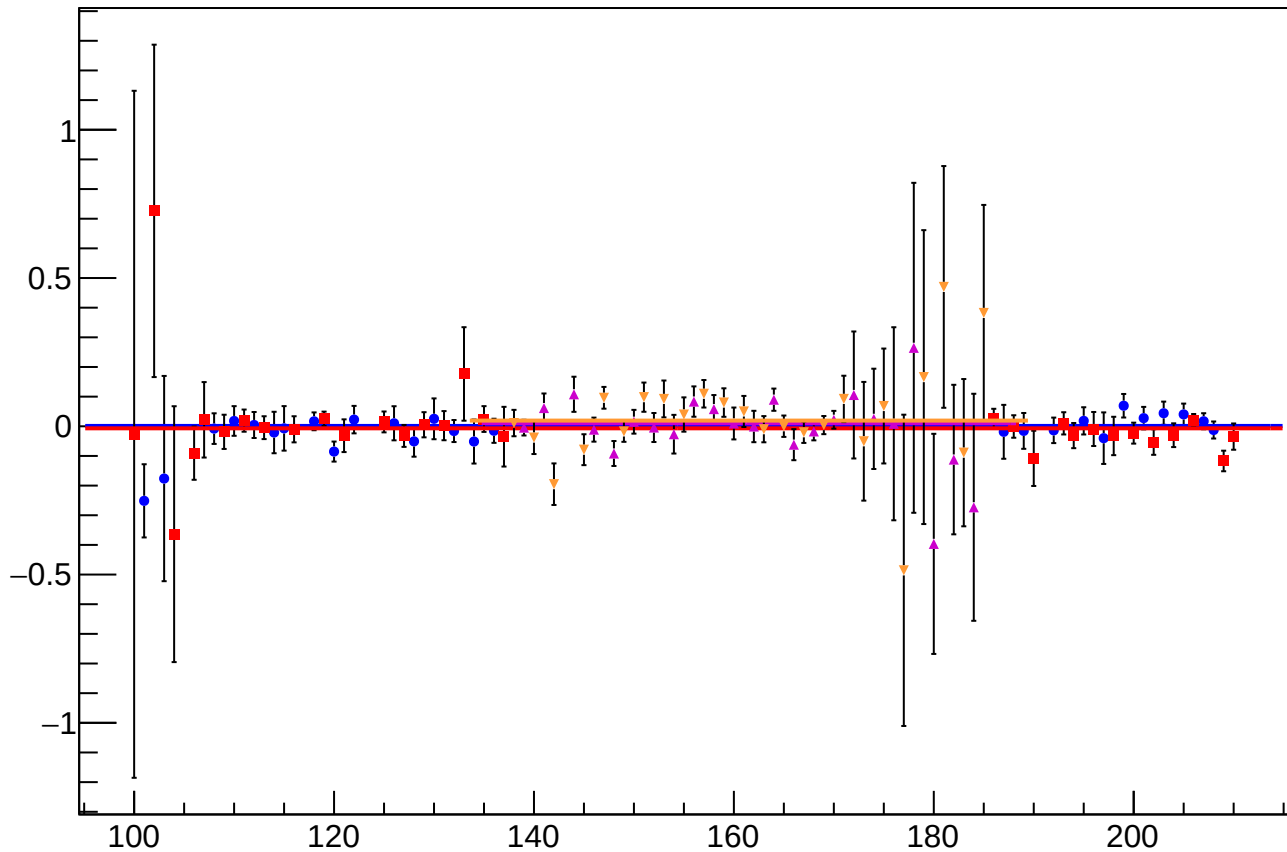
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2542530.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 8453128.3/50

All: 0.000 $\pm$ 0.000 χ^2/NDF : 19347088.2/104

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 10891946.3/53

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 20.7/26

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: -0.007 ± 0.008 χ^2/NDF : 25.4/30

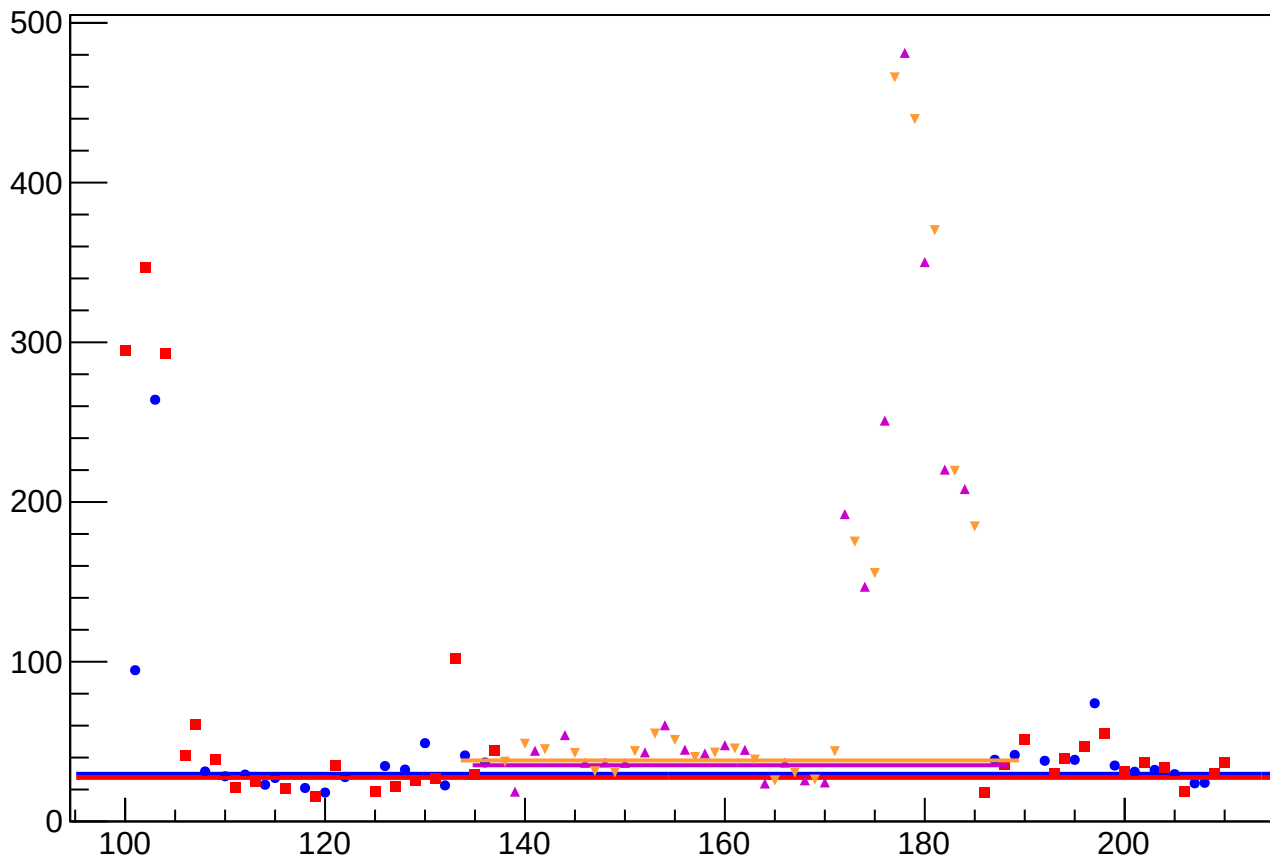
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.008 ± 0.007 χ^2/NDF : 58.4/50

All: 0.003 ± 0.005 χ^2/NDF : 110.1/104

- sign -0.001 ± 0.006 χ^2/NDF : 50.8/53

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.830 $\pm$ 0.006 χ^2 /NDF: 3247408.3/26

Left Out: 38.211 $\pm$ 0.008 χ^2 /NDF: 8285024.8/23

Right Out: 27.273 $\pm$ 0.005 χ^2 /NDF: 4818605.0/30

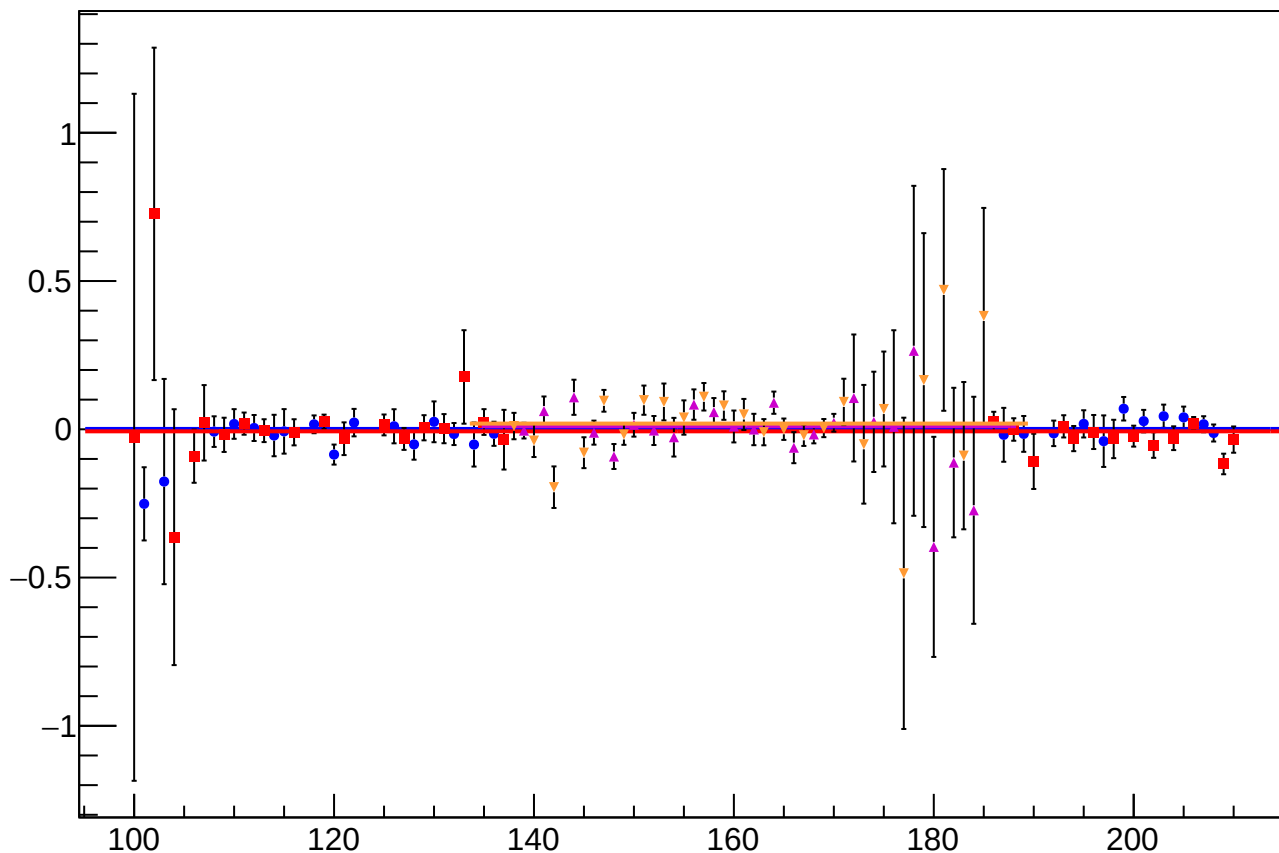
Left In: 35.195 $\pm$ 0.007 χ^2 /NDF: 9390926.6/22

+ sign 33.088 $\pm$ 0.005 χ^2 /NDF: 12267593.8/50

All: 31.491 $\pm$ 0.003 χ^2 /NDF: 27443424.0/104

- sign 30.147 $\pm$ 0.004 χ^2 /NDF: 14968960.4/53

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 20.7/26

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: -0.007 ± 0.008 χ^2/NDF : 25.4/30

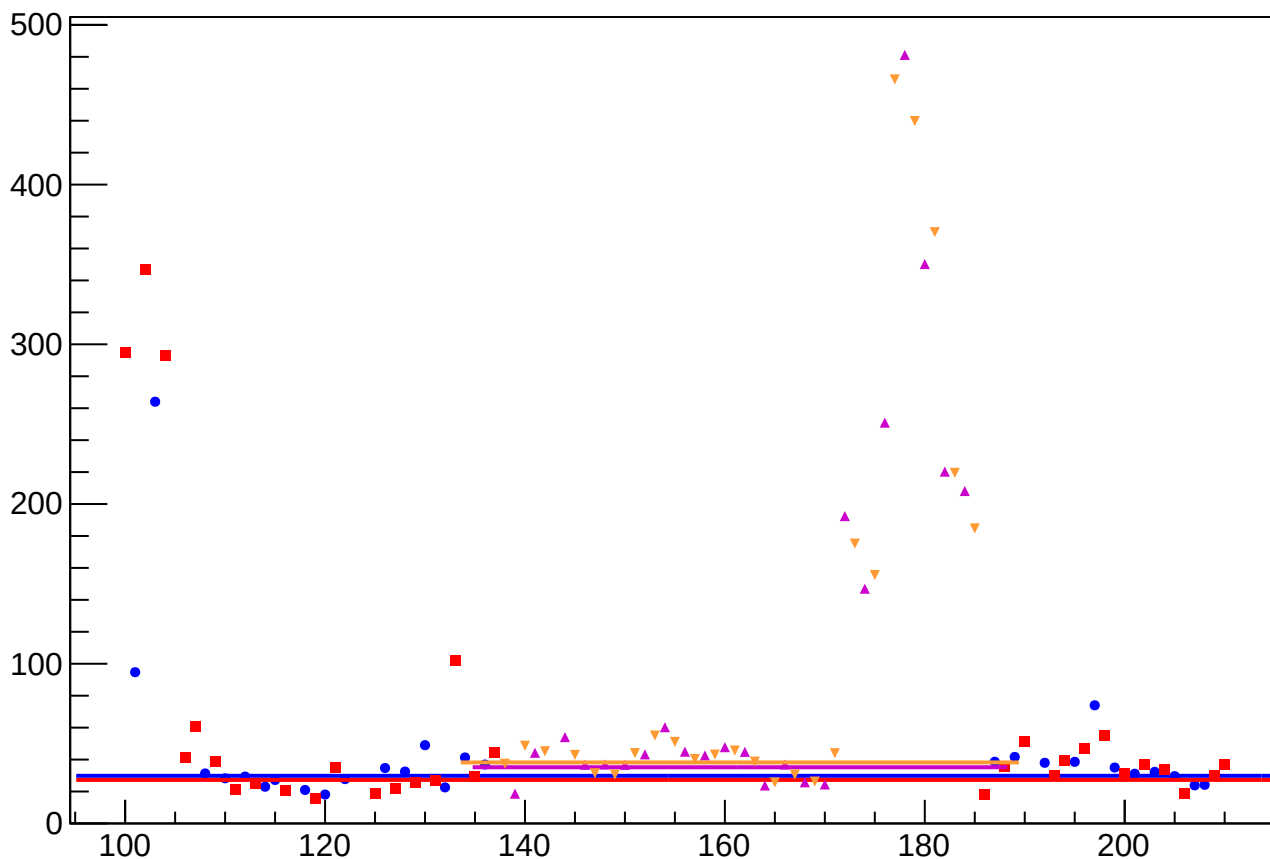
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.008 ± 0.007 χ^2/NDF : 58.4/50

All: 0.003 ± 0.005 χ^2/NDF : 110.1/104

- sign -0.001 ± 0.006 χ^2/NDF : 50.8/53

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.830 $\pm$ 0.006 χ^2 /NDF: 3247408.3/26

Left Out: 38.211 $\pm$ 0.008 χ^2 /NDF: 8285024.8/23

Right Out: 27.273 $\pm$ 0.005 χ^2 /NDF: 4818605.0/30

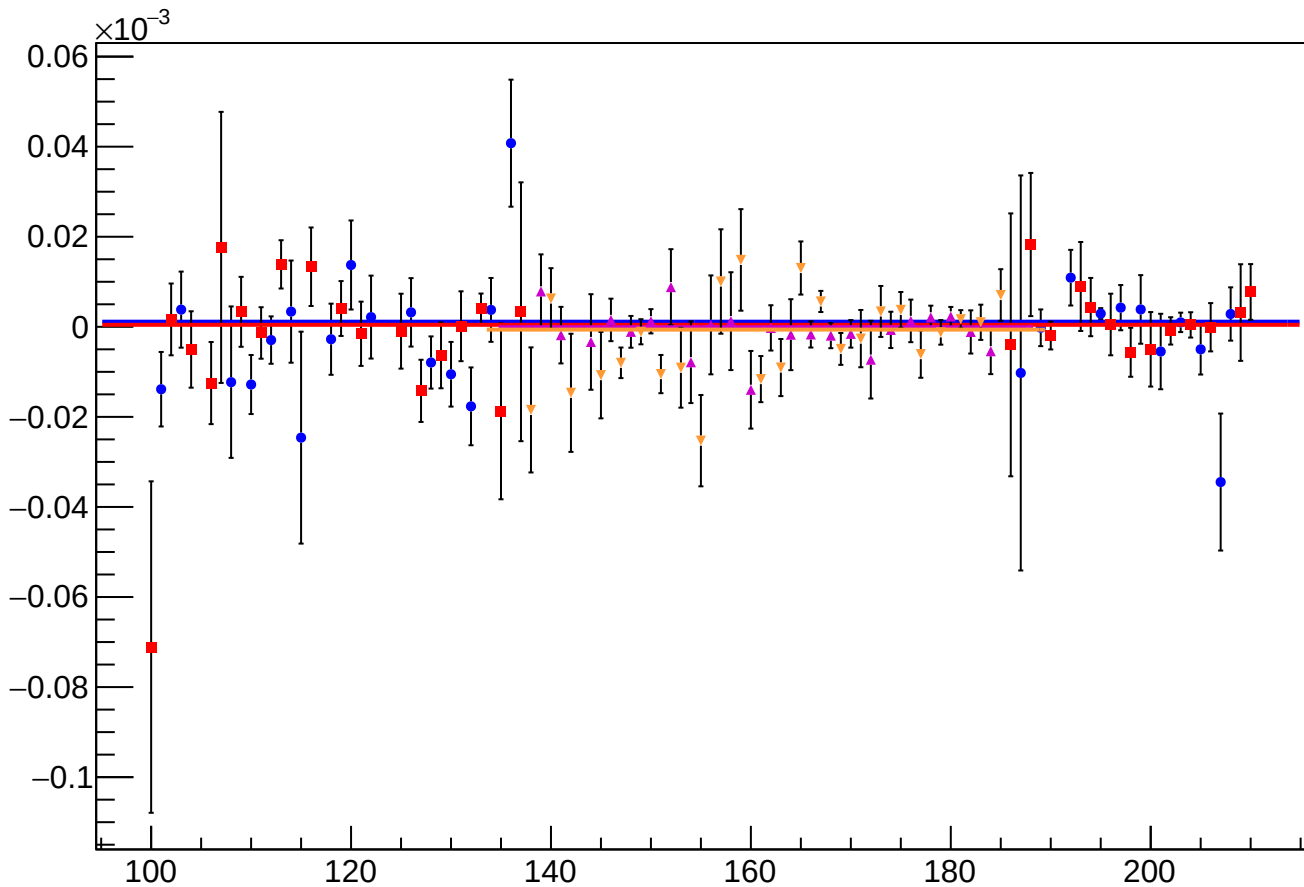
Left In: 35.195 $\pm$ 0.007 χ^2 /NDF: 9390926.6/22

+ sign 33.088 $\pm$ 0.005 χ^2 /NDF: 12267593.8/50

All: 31.491 $\pm$ 0.003 χ^2 /NDF: 27443424.0/104

- sign 30.147 $\pm$ 0.004 χ^2 /NDF: 14968960.4/53

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.9/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:51.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.5/30

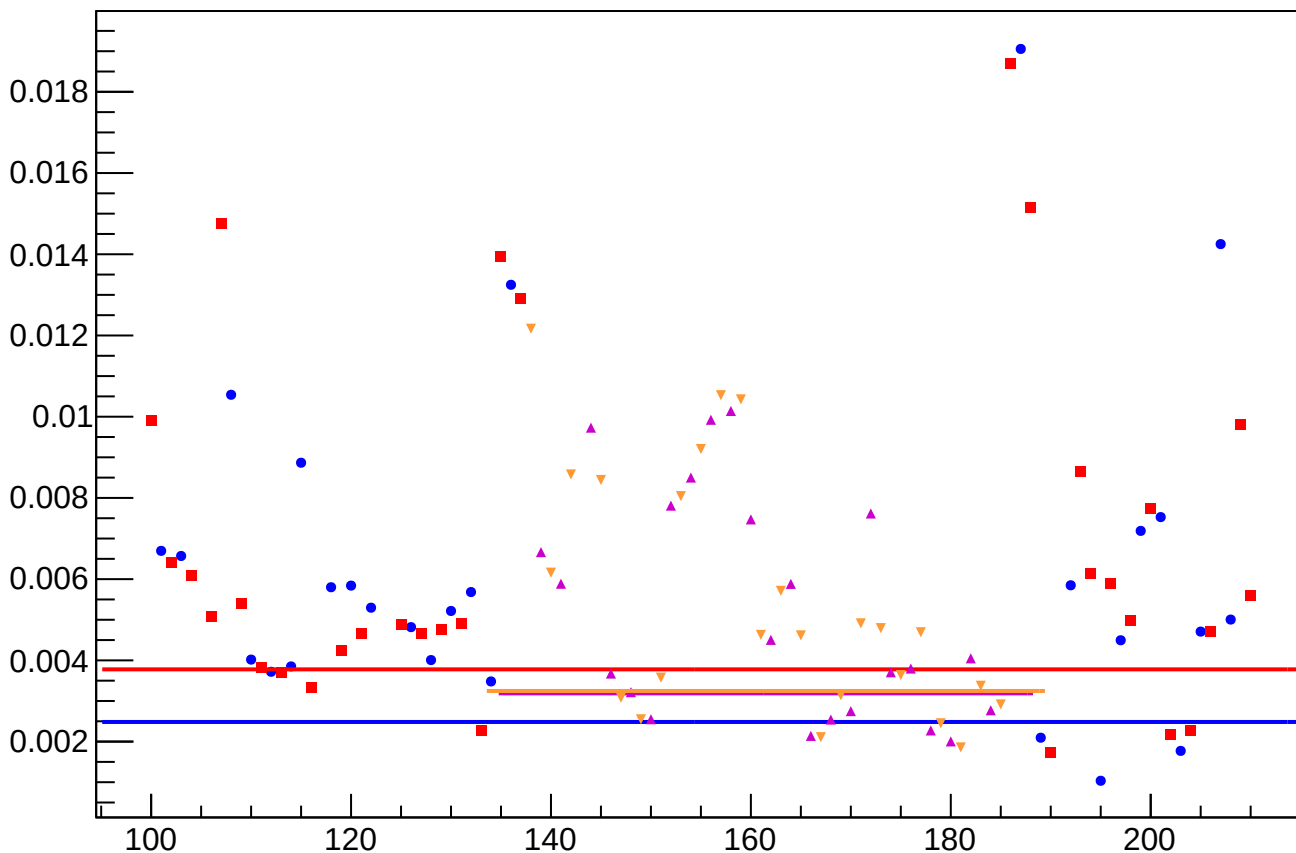
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:11.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 96.2/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 136.9/104

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.6/53

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 12326798.6/26

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 7736973.1/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 8064377.7/30

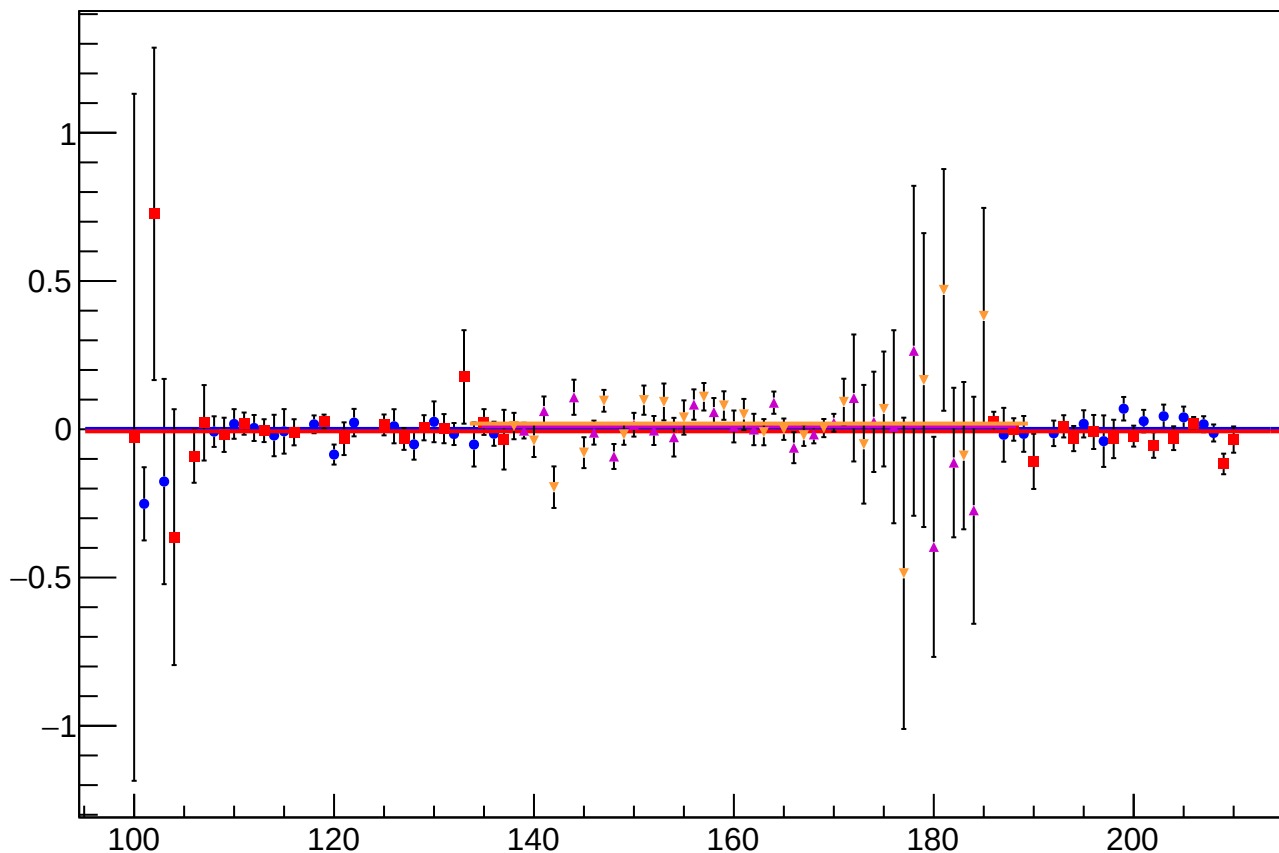
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 7301771.9/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 20846636.8/50

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 37332748.5/104

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 15735157.3/53

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 20.7/26

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: -0.007 ± 0.008 χ^2/NDF : 25.4/30

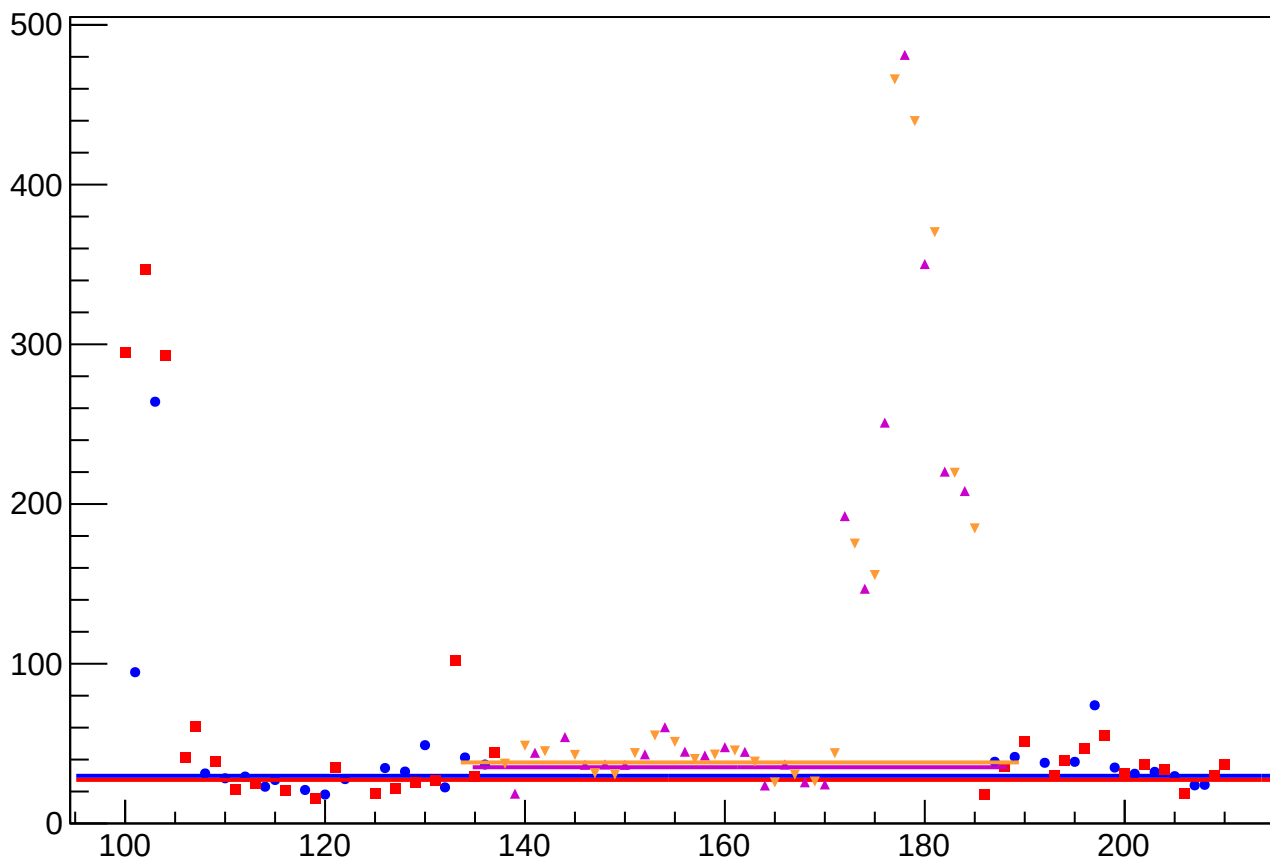
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.008 ± 0.007 χ^2/NDF : 58.4/50

All: 0.003 ± 0.005 χ^2/NDF : 110.1/104

- sign -0.001 ± 0.006 χ^2/NDF : 50.8/53

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.829+/-0.006 χ^2 /NDF: 3247682.9/26

Left Out: 38.210+/-0.008 χ^2 /NDF: 8285200.7/23

Right Out: 27.271+/-0.005 χ^2 /NDF: 4818878.0/30

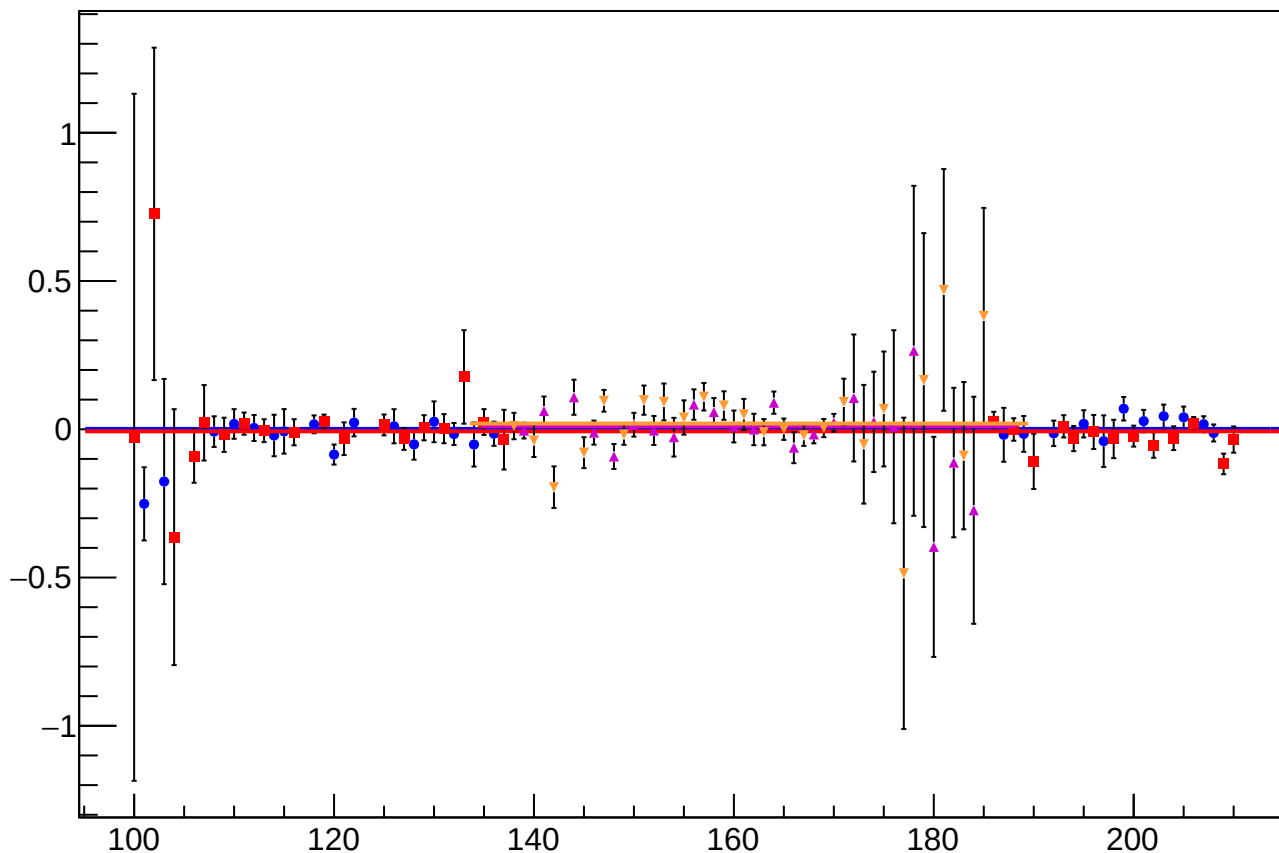
Left In: 35.195+/-0.007 χ^2 /NDF: 9391361.4/22

+ sign 33.087+/-0.005 χ^2 /NDF: 12268240.1/50

All: 31.490+/-0.003 χ^2 /NDF: 27445009.0/104

- sign 30.146+/-0.004 χ^2 /NDF: 14969886.2/53

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 20.7/26

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: -0.007 ± 0.008 χ^2/NDF : 25.4/30

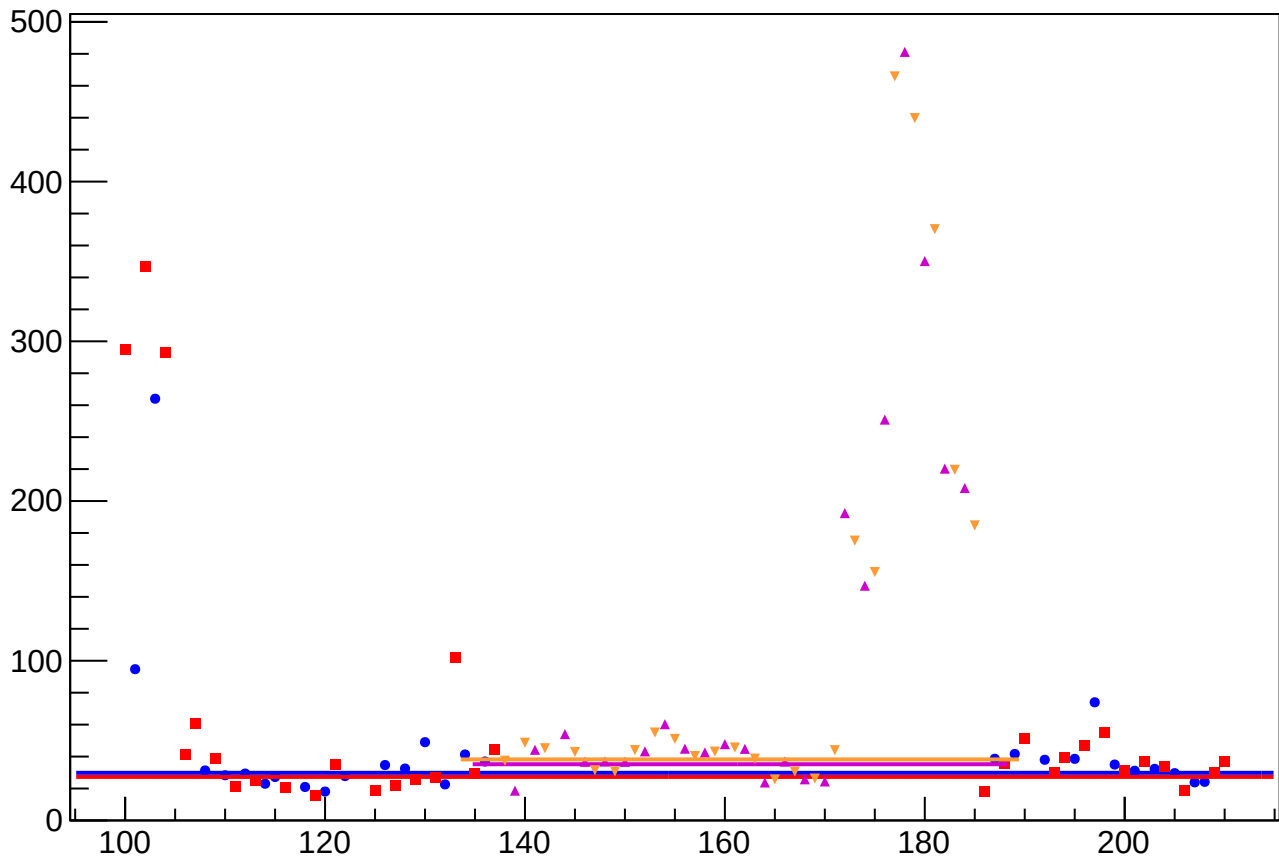
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.008 ± 0.007 χ^2/NDF : 58.4/50

All: 0.003 ± 0.005 χ^2/NDF : 110.1/104

- sign -0.001 ± 0.006 χ^2/NDF : 50.8/53

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.829+/-0.006 χ^2/NDF : 3247682.9/26

Left Out: 38.210+/-0.008 χ^2/NDF : 8285200.7/23

Right Out: 27.271+/-0.005 χ^2/NDF : 4818878.0/30

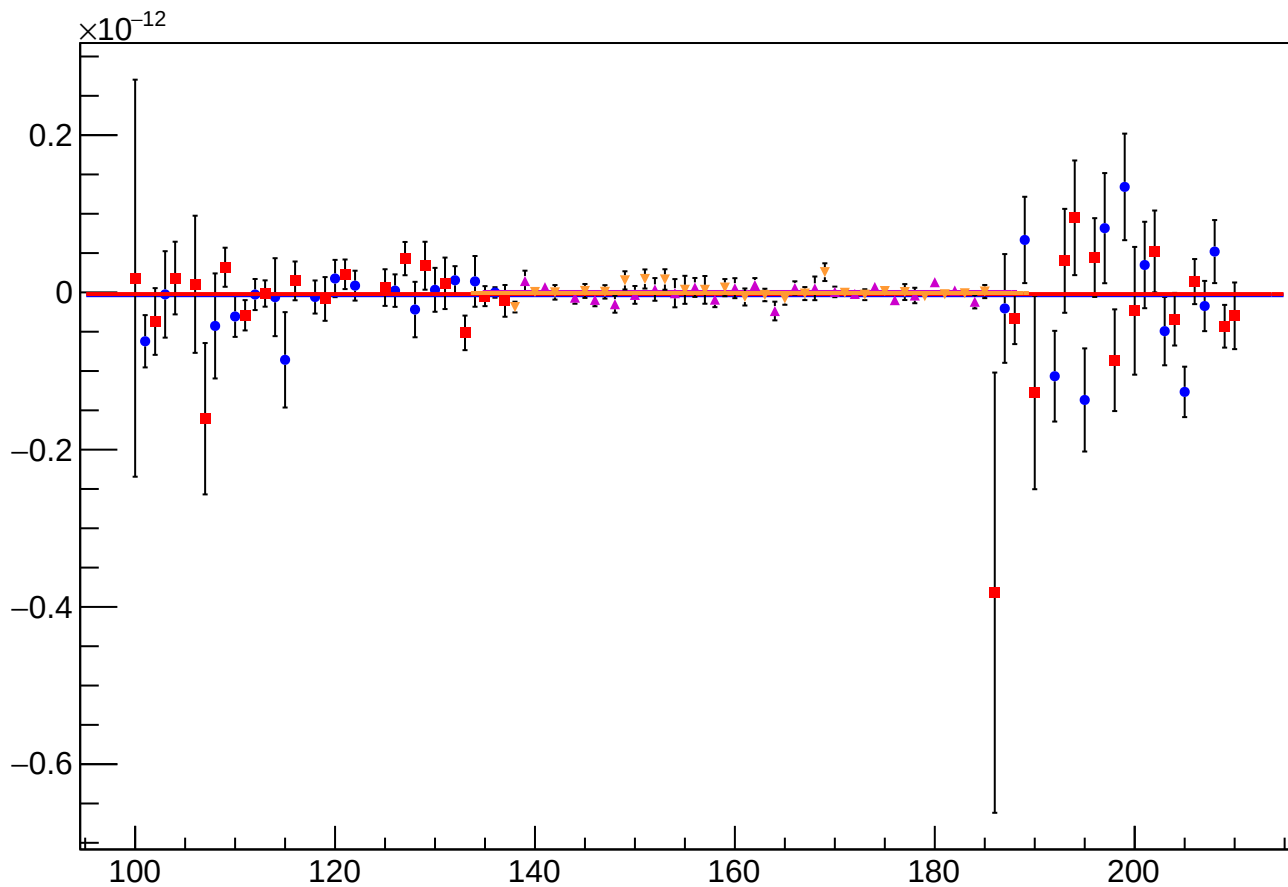
Left In: 35.195+/-0.007 χ^2/NDF : 9391361.4/22

+ sign 33.087+/-0.005 χ^2/NDF : 12268240.1/50

All: 31.490+/-0.003 χ^2/NDF : 27445009.0/104

- sign 30.146+/-0.004 χ^2/NDF : 14969886.2/53

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 42.7/26

Left Out: -0.000+/-0.000 χ^2 /NDF:21.1/23

Right Out: -0.000+/-0.000 χ^2 /NDF: 34.8/30

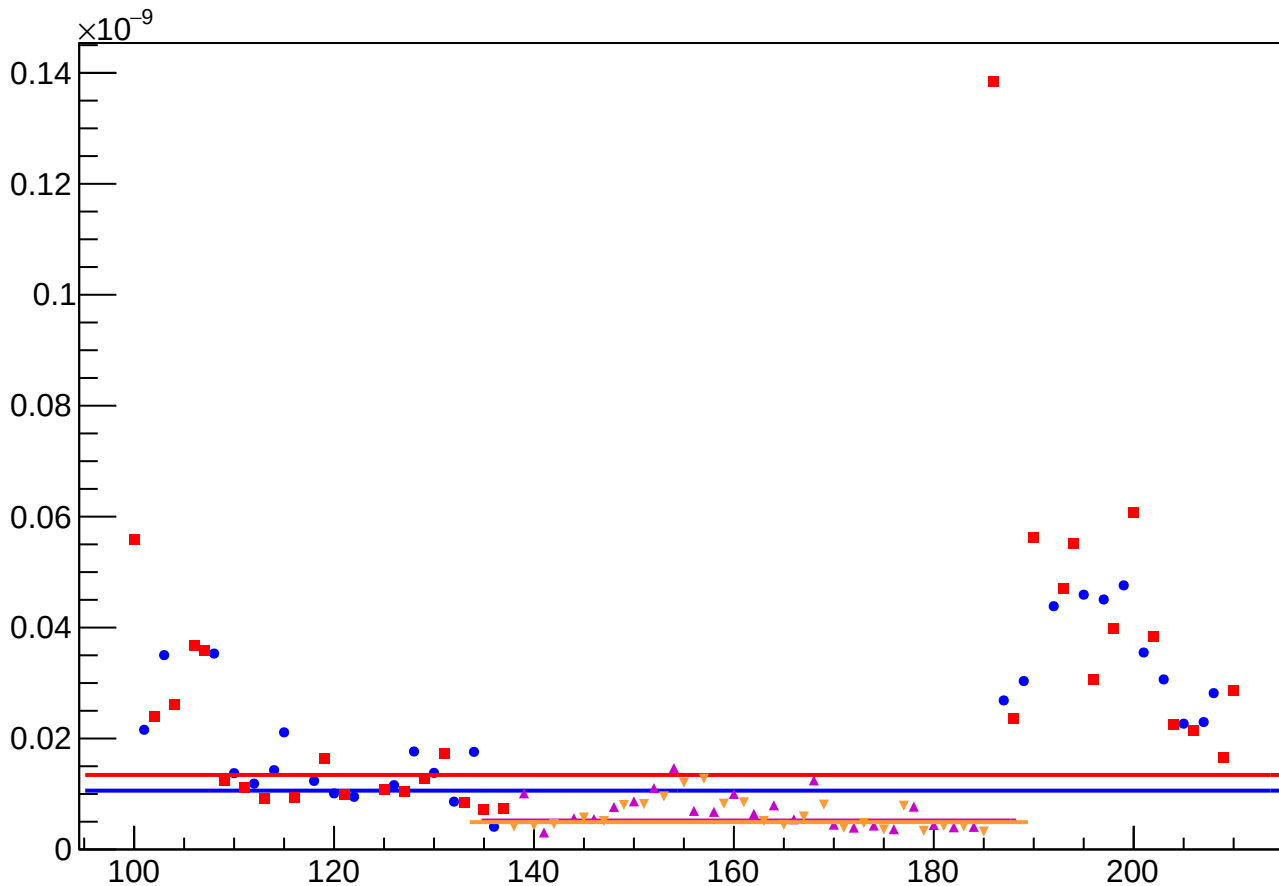
Left In: 0.000+/-0.000 χ^2 /NDF:26.2/22

+ sign -0.000+/-0.000 χ^2 /NDF: 64.2/50

All: -0.000+/-0.000 χ^2 /NDF: 125.8/104

- sign 0.000+/-0.000 χ^2 /NDF: 61.3/53

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 7636862.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2632036.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6039117.9/30

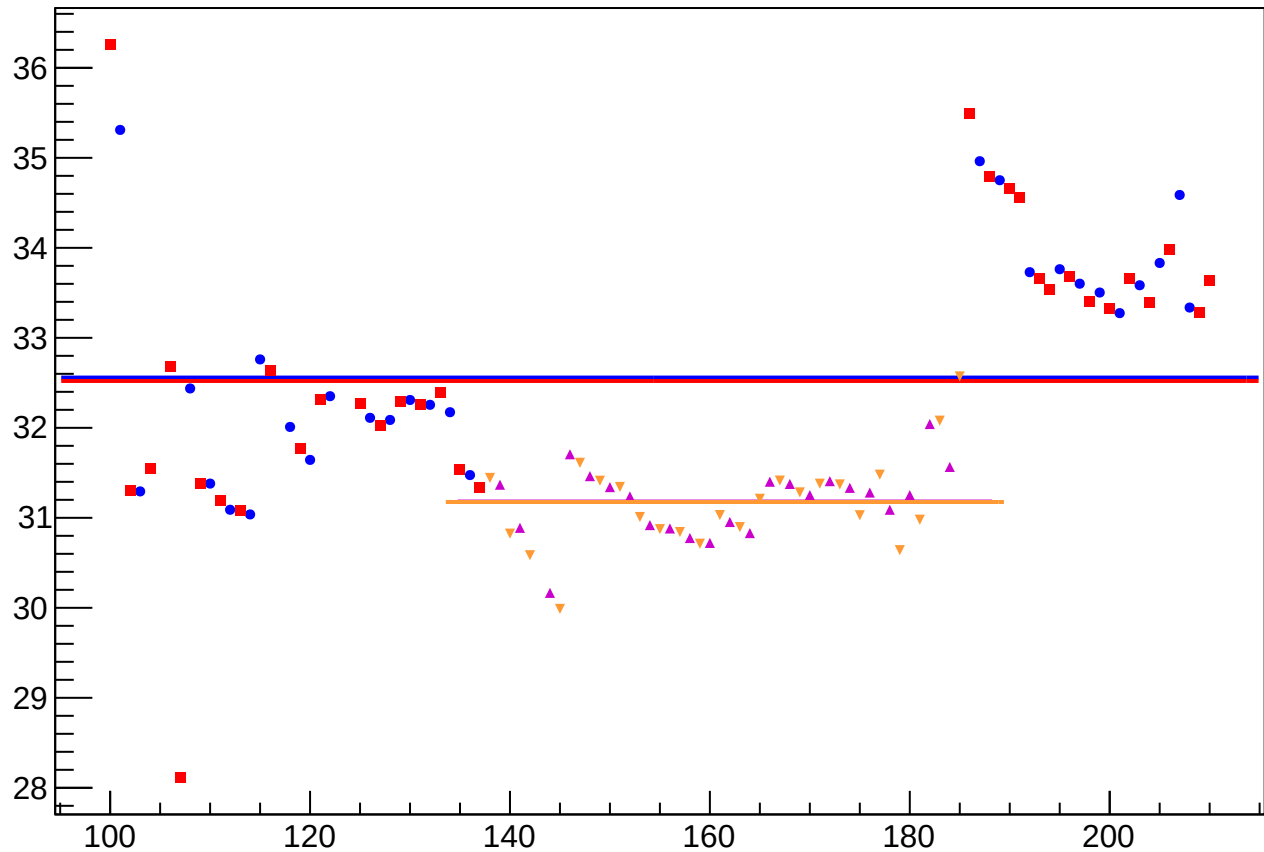
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 3449719.7/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 13070286.7/50

All: 0.000 $\pm$ 0.000 χ^2/NDF : 27331437.4/104

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 14174664.0/53

yield_usl_mean vs Slug



Right In: 32.559+/-0.000 χ^2 /NDF: 2237496636.6/26

Left Out: 31.176+/-0.000 χ^2 /NDF: 529824418.6/23

Right Out: 32.521+/-0.000 χ^2 /NDF: 2180603008.9/31

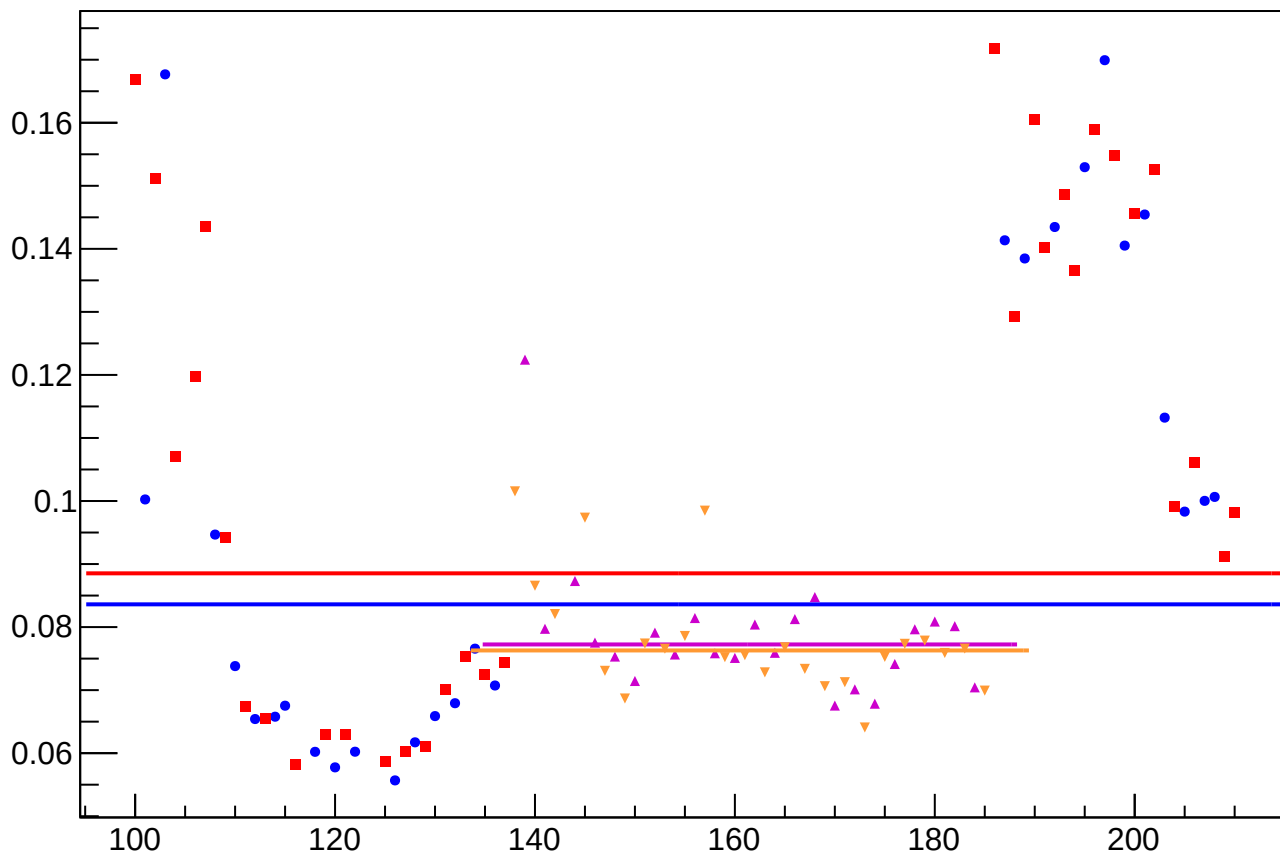
Left In: 31.181+/-0.000 χ^2 /NDF: 376263410.1/22

+ sign 31.722+/-0.000 χ^2 /NDF: 4940333651.2/50

All: 31.725+/-0.000 χ^2 /NDF: 9526843577.6/100

- sign 31.728+/-0.000 χ^2 /NDF: 4586434325.5/54

yield_usl_rms vs Slug



Right In: 0.084 $\pm$ 0.000 χ^2 /NDF: 3444257.4/26

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:356697.3/23

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 3957569.9/31

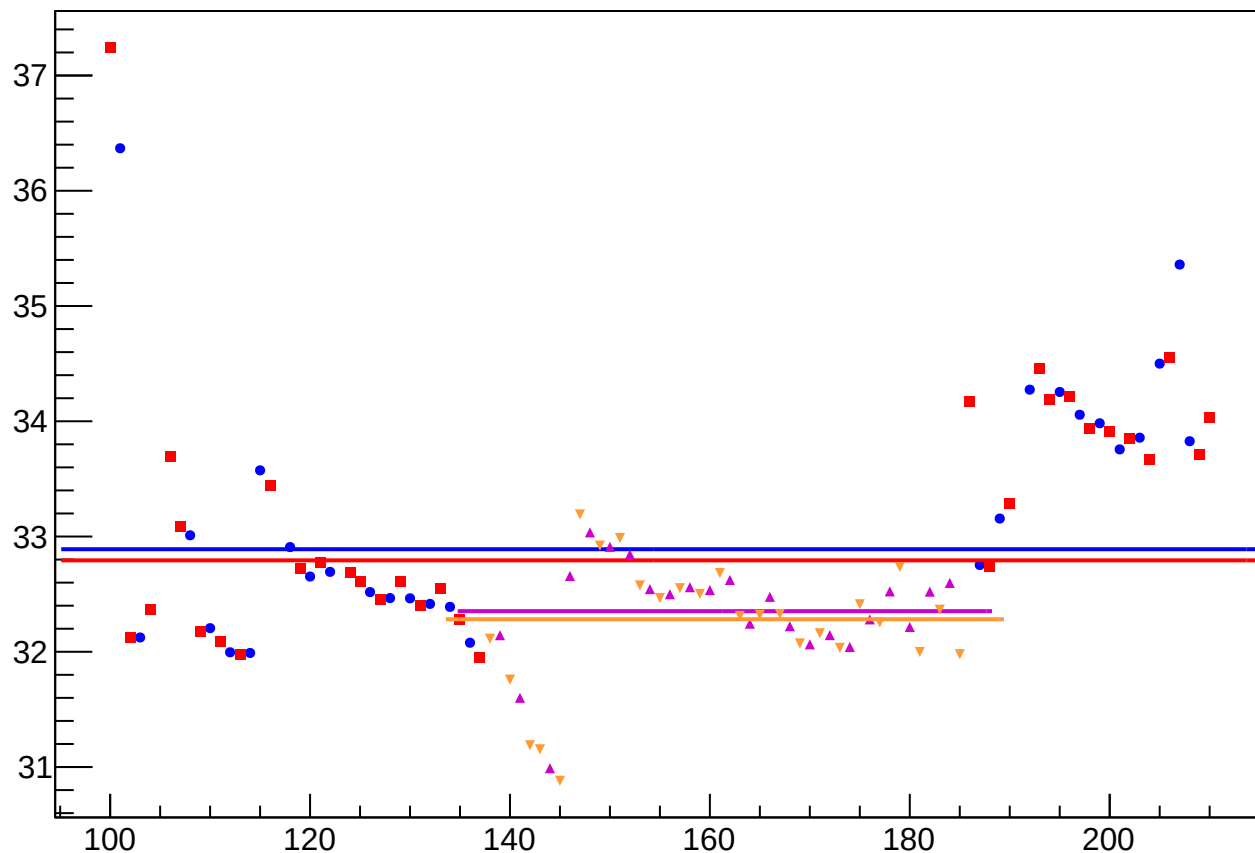
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:365206.5/22

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 3922540.4/50

All: 0.081 $\pm$ 0.000 χ^2 /NDF: 8566509.1/105

- sign 0.082 $\pm$ 0.000 χ^2 /NDF: 4610454.9/54

yield_usr_mean vs Slug



Right In: 32.890 $\pm$ 0.000 χ^2 /NDF: 1141028933.3/26

Left Out: 32.282 $\pm$ 0.000 χ^2 /NDF: 838959313.2/24

Right Out: 32.793 $\pm$ 0.000 χ^2 /NDF: 582793362.0/31

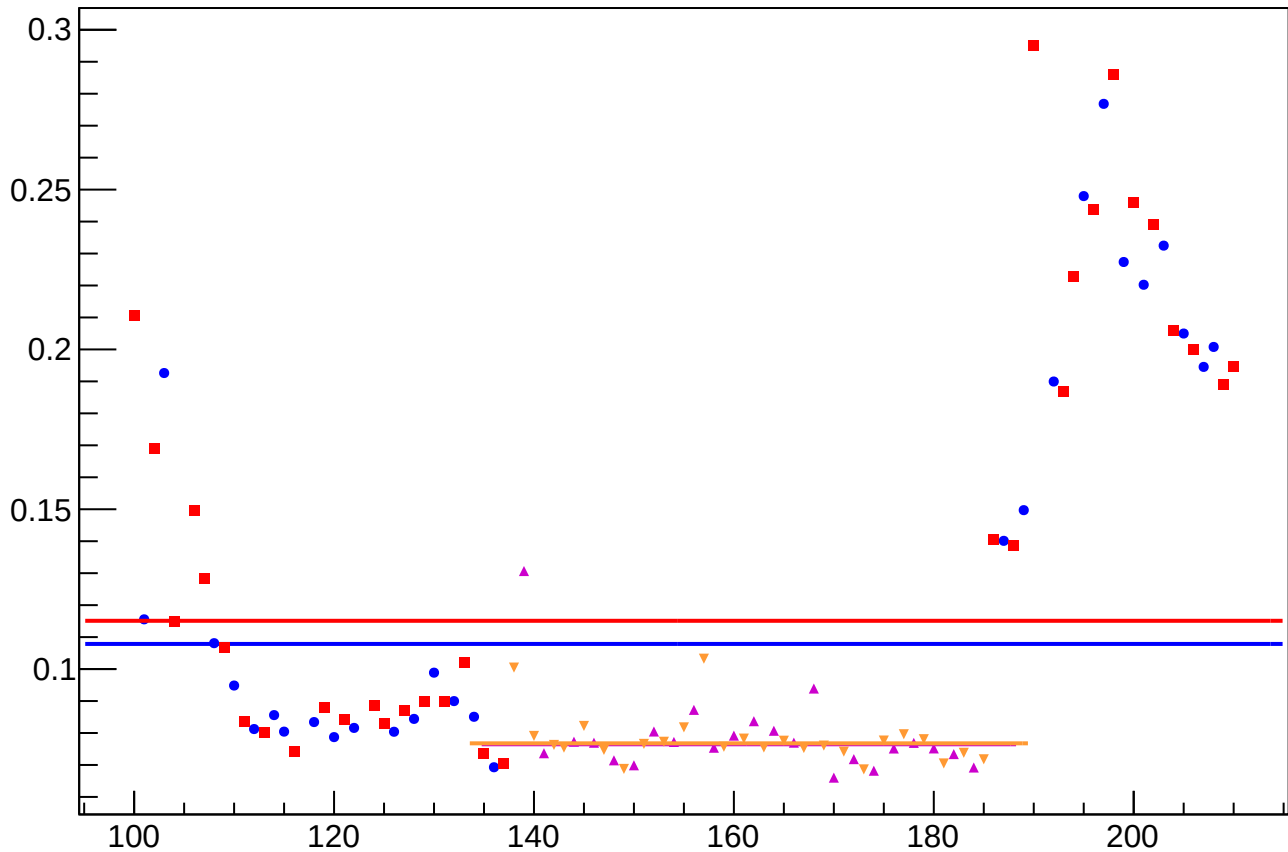
Left In: 32.353 $\pm$ 0.000 χ^2 /NDF: 589893462.0/22

+ sign 32.438 $\pm$ 0.000 χ^2 /NDF: 2263550808.9/51

All: 32.454 $\pm$ 0.000 χ^2 /NDF: 3586616202.5/1

- sign 32.470 $\pm$ 0.000 χ^2 /NDF: 1321091763.1/54

yield_usr_rms vs Slug



Right In: 0.108 $\pm$ 0.000 χ^2 /NDF: 5350339.0/26

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 250795.7/24

Right Out: 0.115 $\pm$ 0.000 χ^2 /NDF: 5694372.5/31

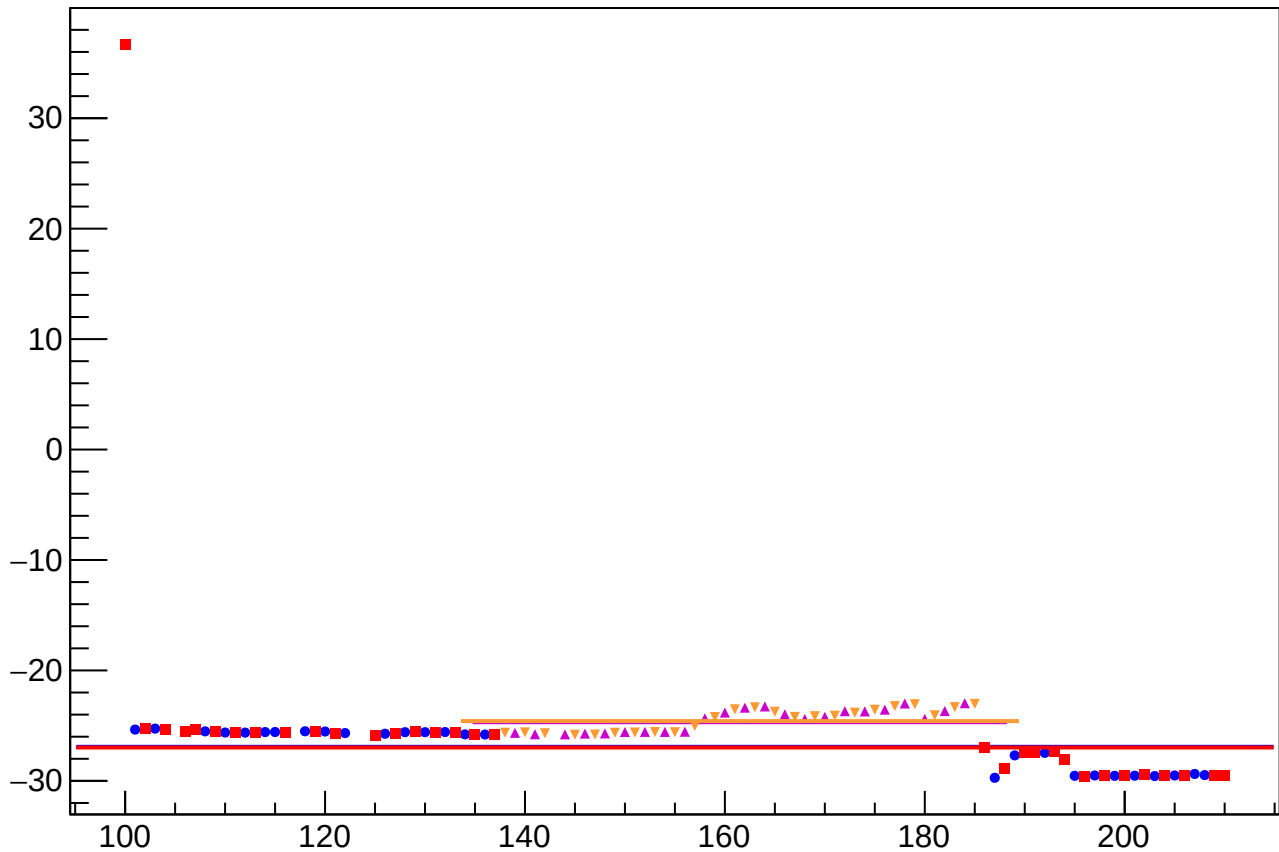
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF: 482593.3/22

+ sign 0.085 $\pm$ 0.000 χ^2 /NDF: 7087342.9/51

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 15561337.3/106

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 8458232.6/54

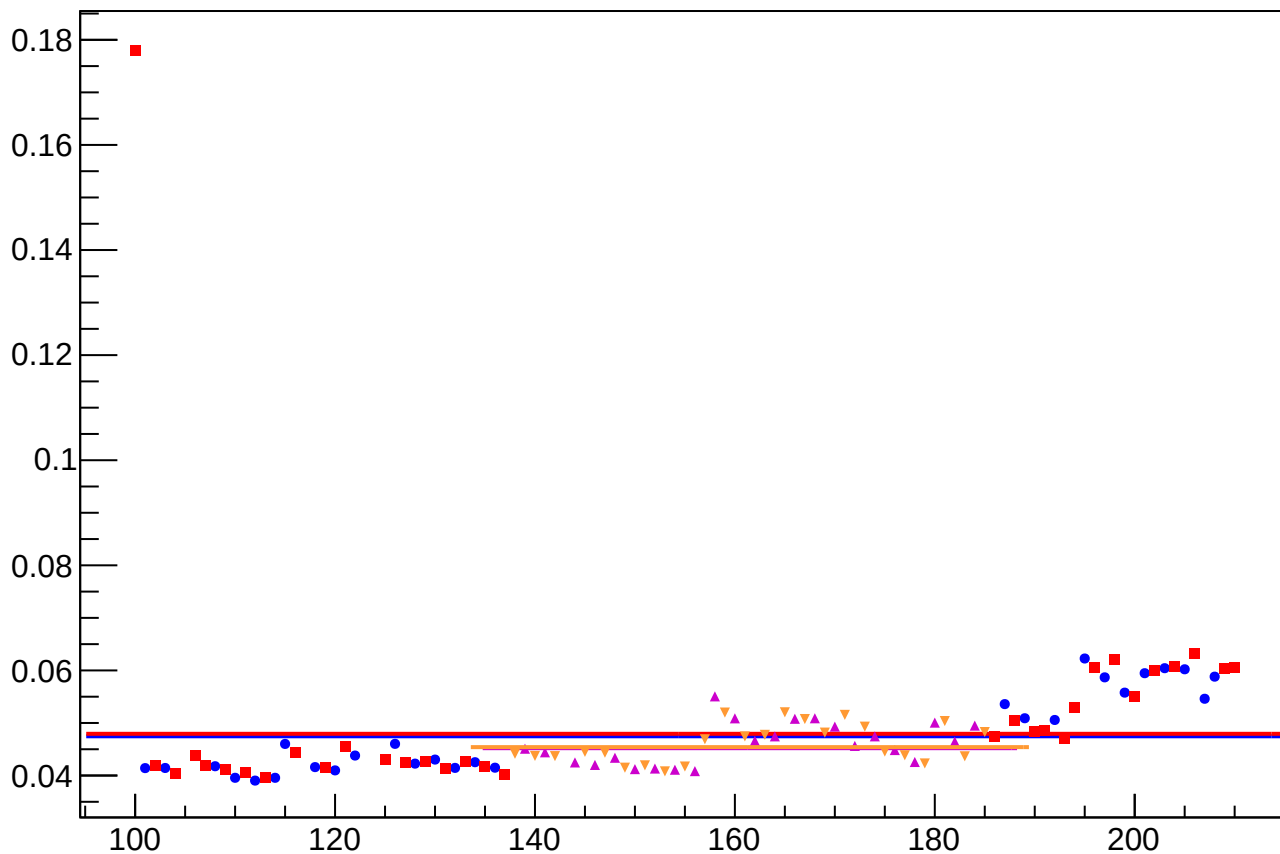
yield_dsl_mean vs Slug



Right In: -26.916 ± 0.000 $\chi^2/\text{NDF}: 21013094984.3/26$
 Left Out: -24.587 ± 0.000 $\chi^2/\text{NDF}: 9182387434.6/23$
 Right Out: -26.977 ± 0.000 $\chi^2/\text{NDF}: 30878597864.1/31$
 Left In: -24.689 ± 0.000 $\chi^2/\text{NDF}: 8820957974.3/22$

+ sign -25.596 ± 0.000 $\chi^2/\text{NDF}: 50701050662.4/50$
 All: -25.670 ± 0.000 $\chi^2/\text{NDF}: 111533706177$
 - sign -25.740 ± 0.000 $\chi^2/\text{NDF}: 60667674360.0/54$

yield_dsl_rms vs Slug



Right In: 0.047 ± 0.000 χ^2/NDF : 800670.7/26

Left Out: 0.045 ± 0.000 χ^2/NDF : 205535.7/23

Right Out: 0.048 ± 0.000 χ^2/NDF : 990984.2/31

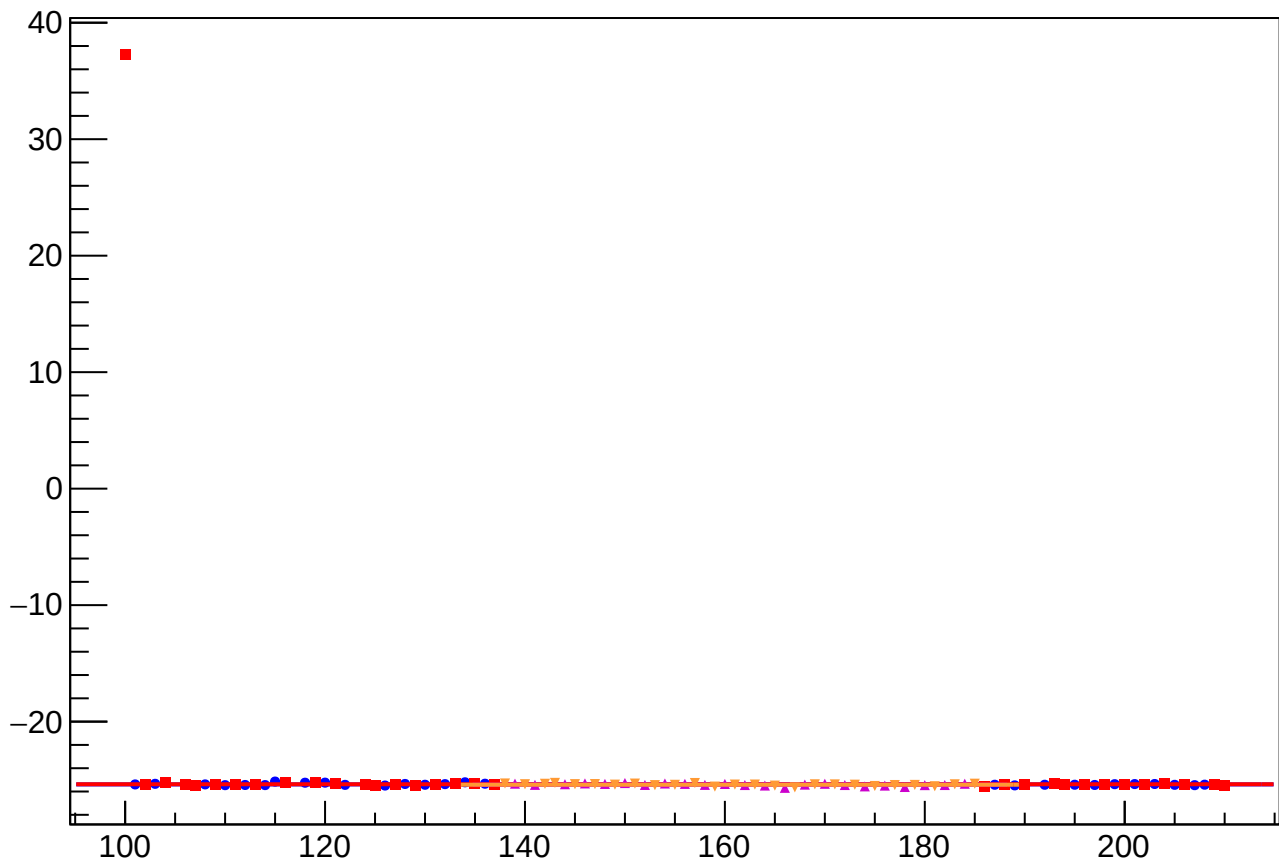
Left In: 0.045 ± 0.000 χ^2/NDF : 244675.5/22

+ sign 0.046 ± 0.000 χ^2/NDF : 1038391.1/50

All: 0.046 ± 0.000 χ^2/NDF : 2334379.9/105

- sign 0.046 ± 0.000 χ^2/NDF : 1295570.0/54

yield_dsr_mean vs Slug



Right In: -25.391 ± 0.000 $\chi^2/\text{NDF}: 21249104.5/26$

Left Out: -25.417 ± 0.000 $\chi^2/\text{NDF}: 52213098.9/24$

Right Out: -25.376 ± 0.000 $\chi^2/\text{NDF}: 6337618753.4/31$

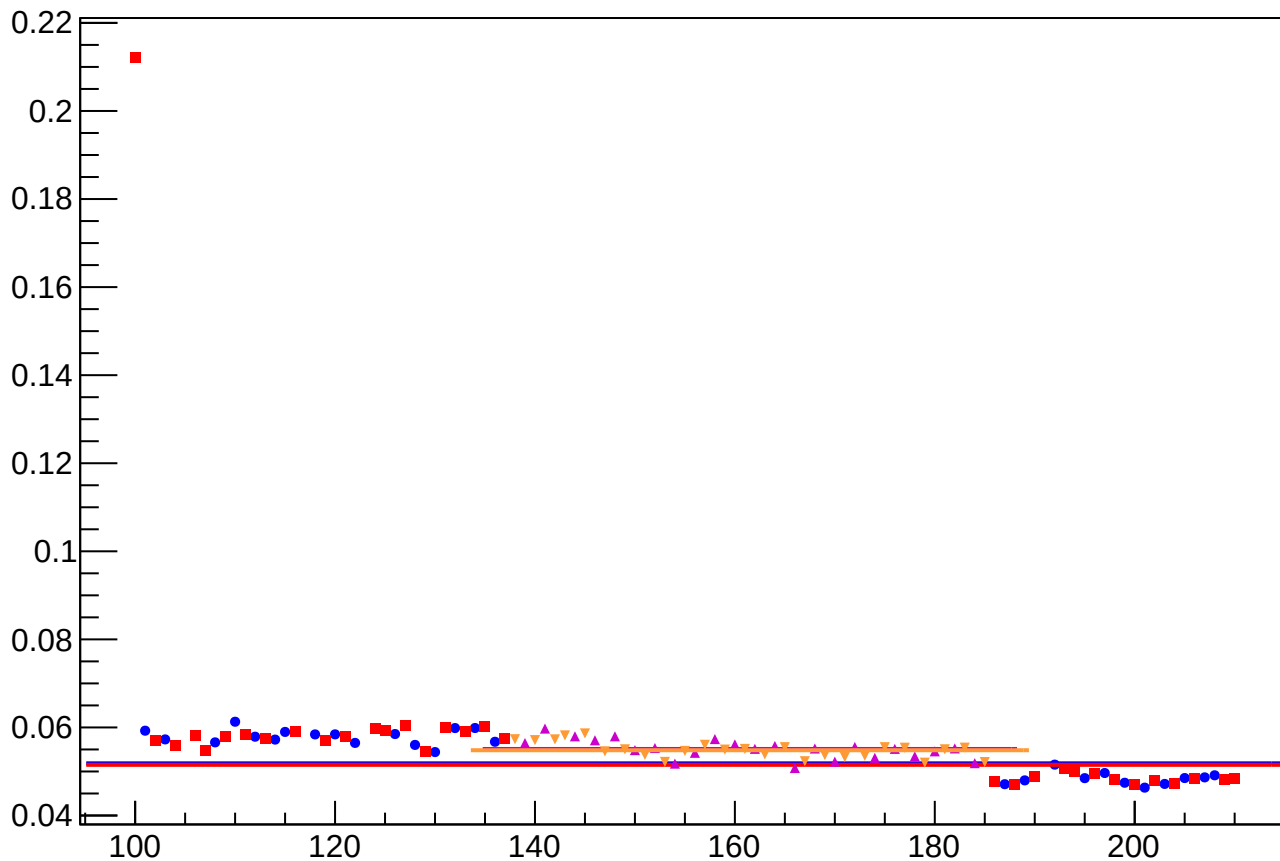
Left In: -25.414 ± 0.000 $\chi^2/\text{NDF}: 55851916.1/22$

+ sign -25.405 ± 0.000 $\chi^2/\text{NDF}: 75369872.0/51$

All: -25.399 ± 0.000 $\chi^2/\text{NDF}: 6473906325.5/100$

- sign -25.394 ± 0.000 $\chi^2/\text{NDF}: 6397874624.2/54$

yield_dsr_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 253107.9/26

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38095.1/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 368890.3/31

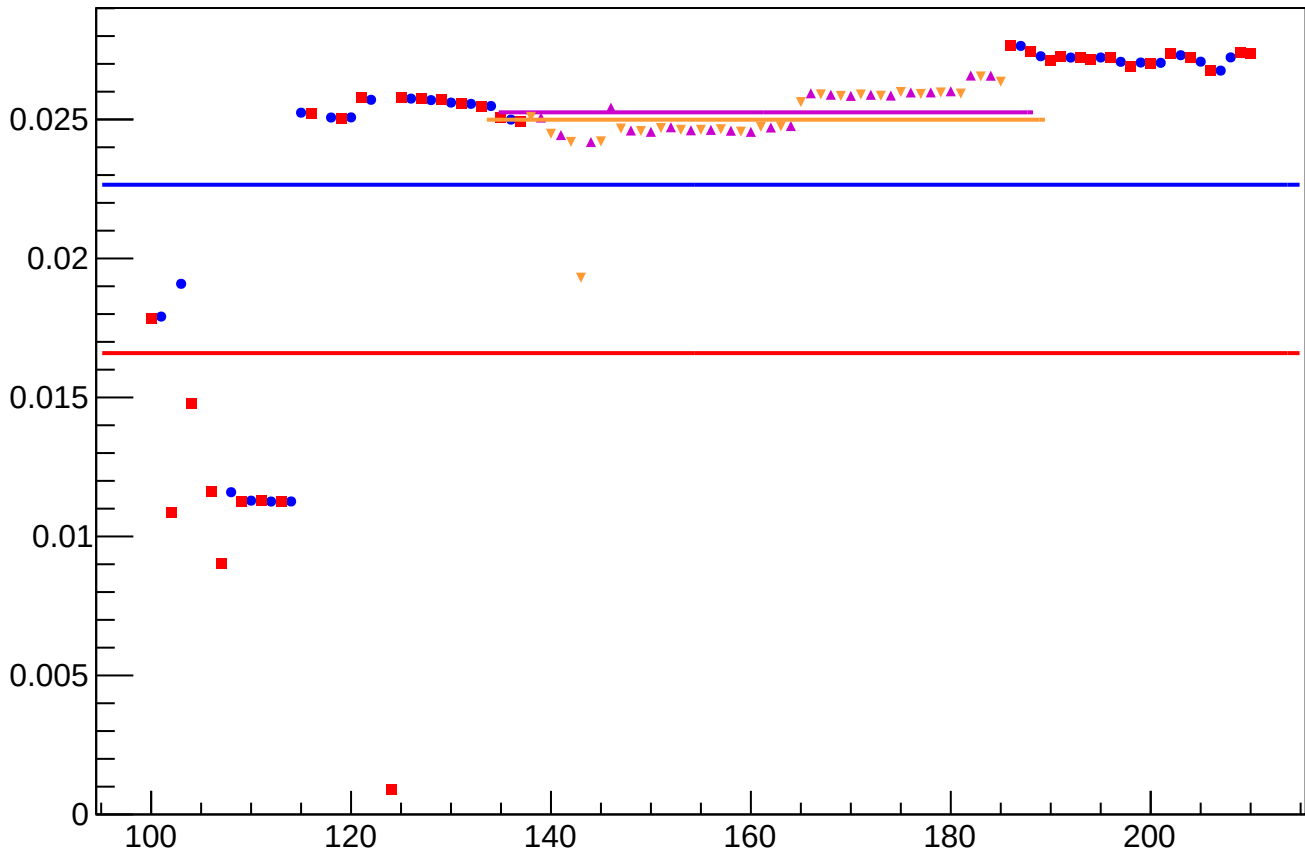
Left In: 0.055 $\pm$ 0.000 χ^2 /NDF:51531.3/22

+ sign 0.053 $\pm$ 0.000 χ^2 /NDF: 343658.0/51

All: 0.053 $\pm$ 0.000 χ^2 /NDF: 844235.4/106

- sign 0.053 $\pm$ 0.000 χ^2 /NDF: 500135.2/54

yield_atl1_mean vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 93022339313.9/26

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7880064969.5/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 459134370272.4/32

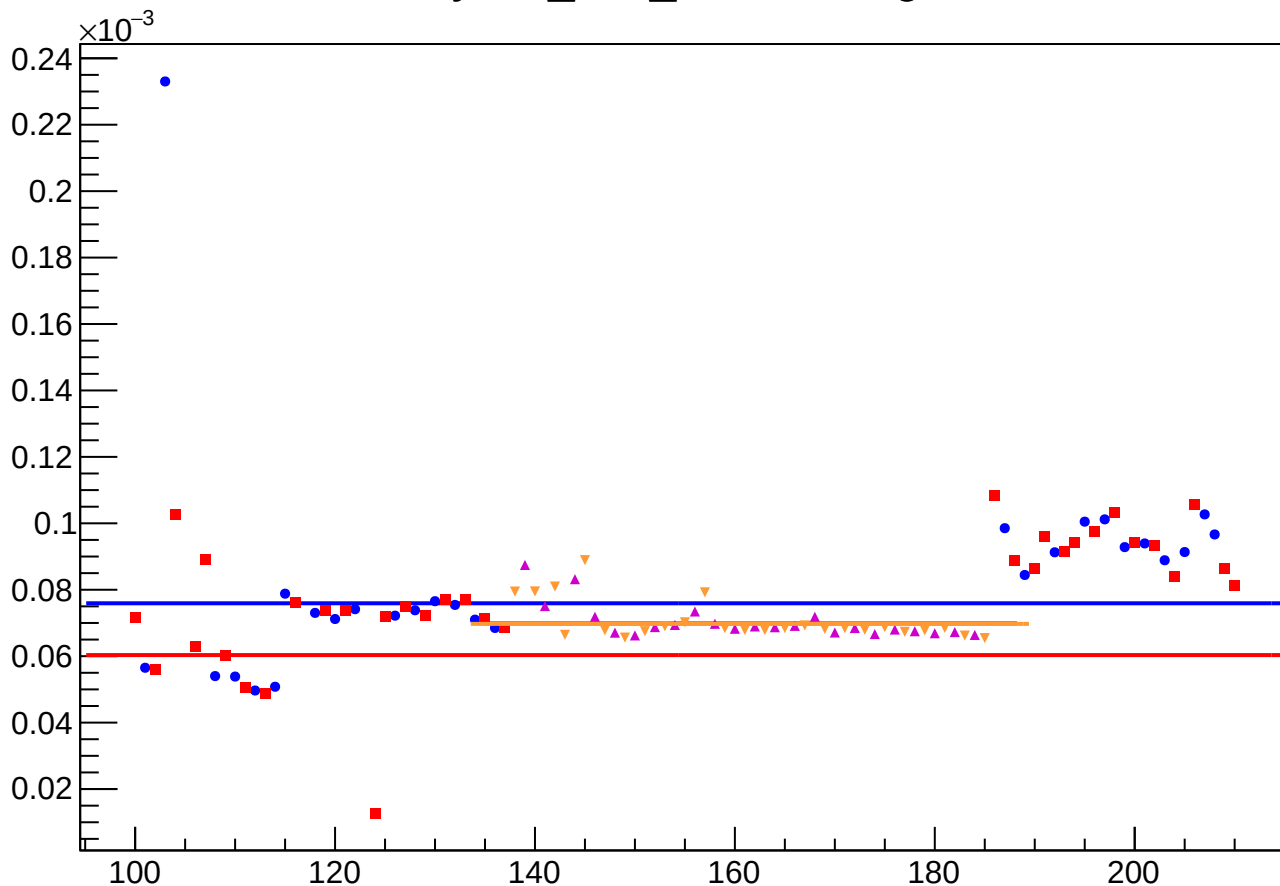
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 1884783780.3/22

+ sign 0.024 $\pm$ 0.000 χ^2 /NDF: 109237980313.4/51

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 744423897770.7

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 600290082584.8/55

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1877803.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:188211.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7580510.5/32

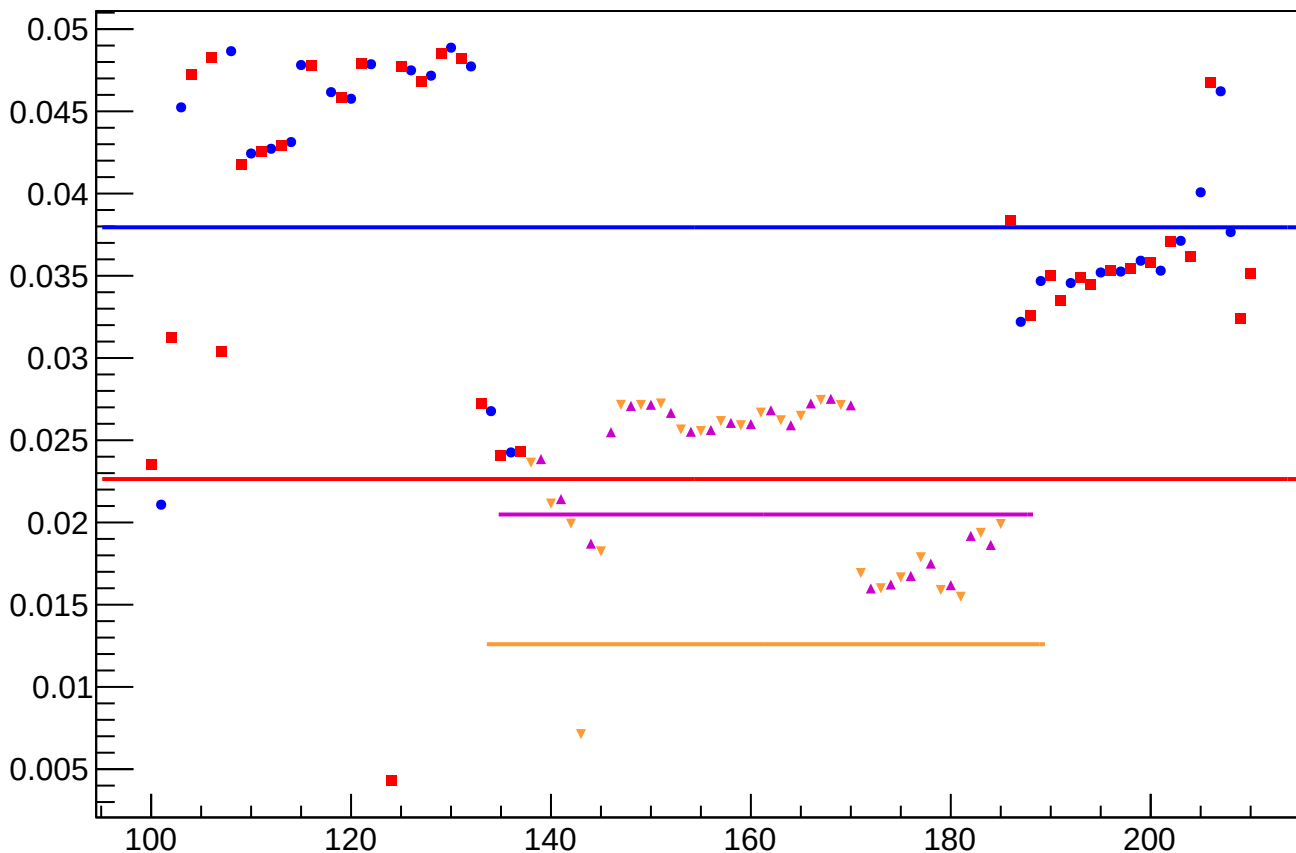
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:152421.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2183060.4/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10599137.1/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8070608.5/55

yield_atl2_mean vs Slug



Right In: 0.038 $\pm$ 0.000 χ^2 /NDF: 7334413177.9/26

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 37338500367.6/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 47306910690.9/32

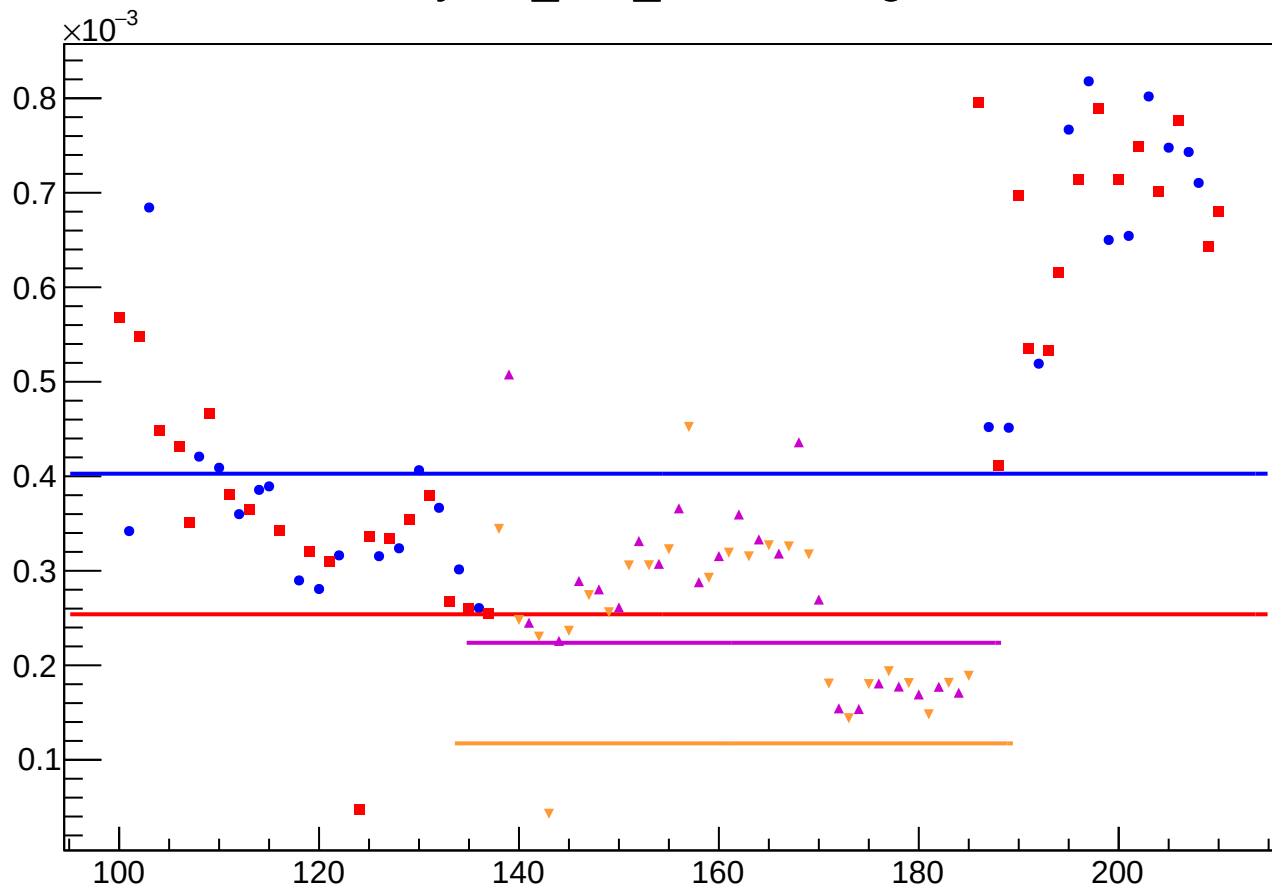
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 6099907424.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 90140445230.8/51

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 155256660688.8

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 53866608457.2/55

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4013953.5/26

Left Out: 0.000+/-0.000 χ^2/NDF :14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14554785.7/32

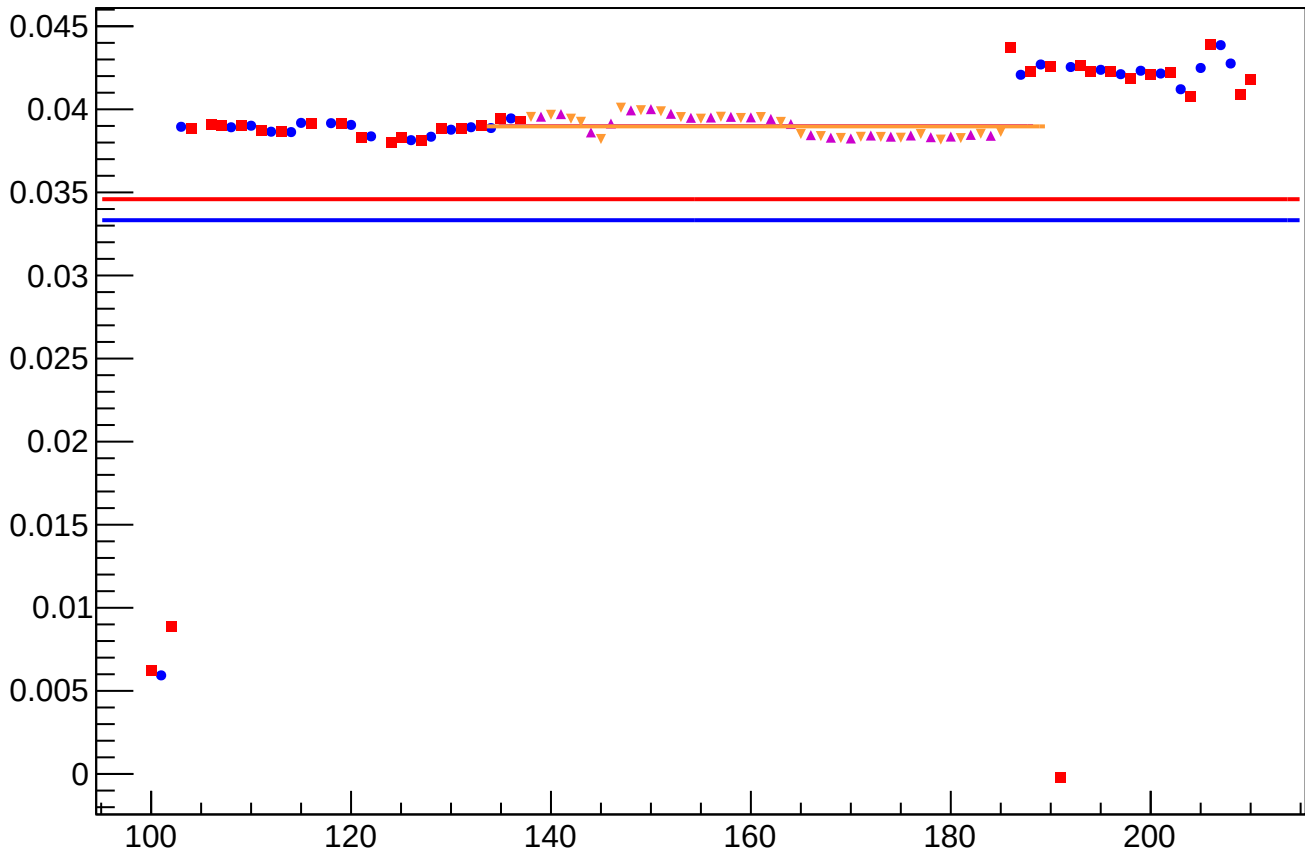
Left In: 0.000+/-0.000 χ^2/NDF :3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 29923982.7/51

All: 0.000+/-0.000 χ^2/NDF : 52714729.9/107

- sign 0.000+/-0.000 χ^2/NDF : 18122915.2/55

yield_atr1_mean vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 129827926625.3/26

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 477670162.8/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 120493117971.9/32

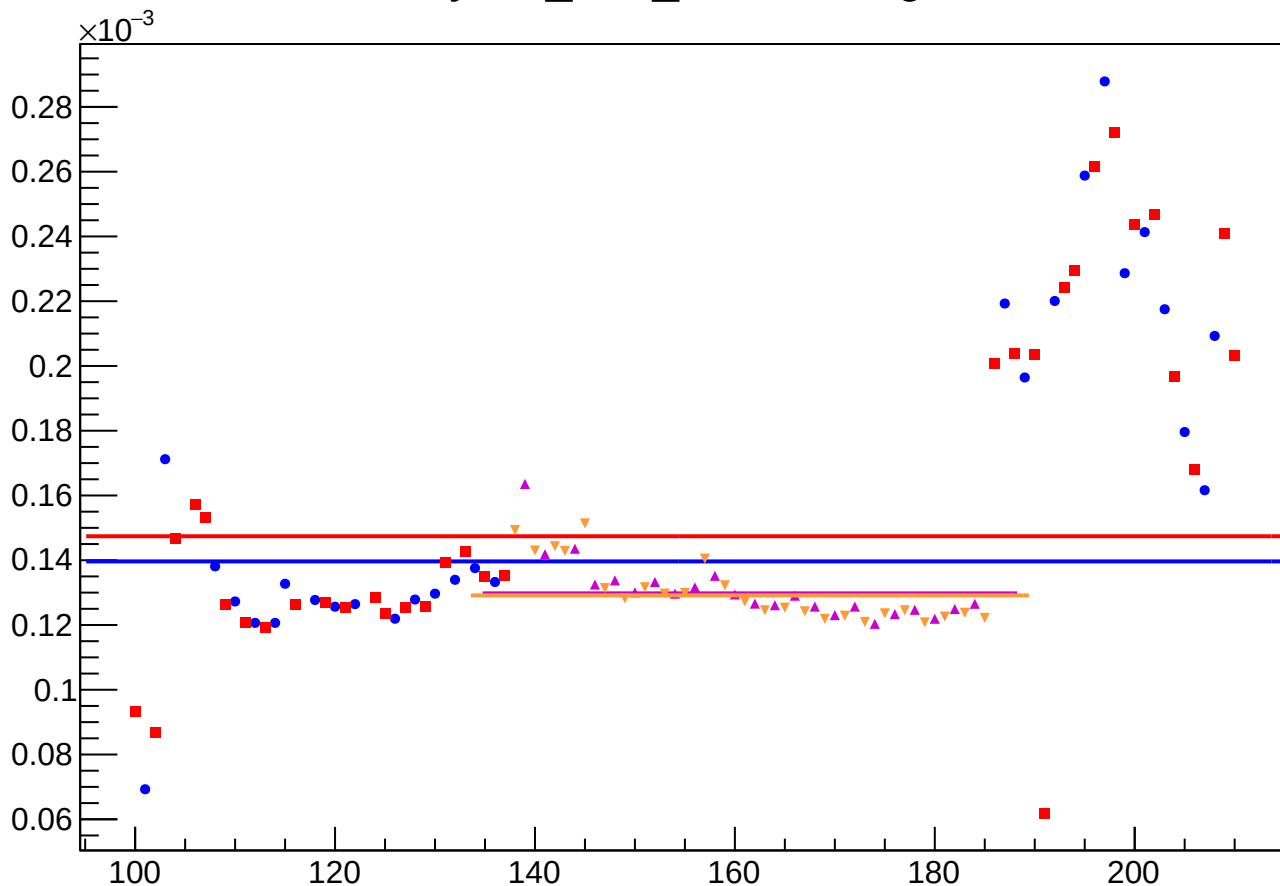
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 408808029.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 143981264154.8/51

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 273271751745.6

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 129146711462.2/55

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3700490.2/26

Left Out: 0.000+/-0.000 χ^2/NDF :157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3786954.4/32

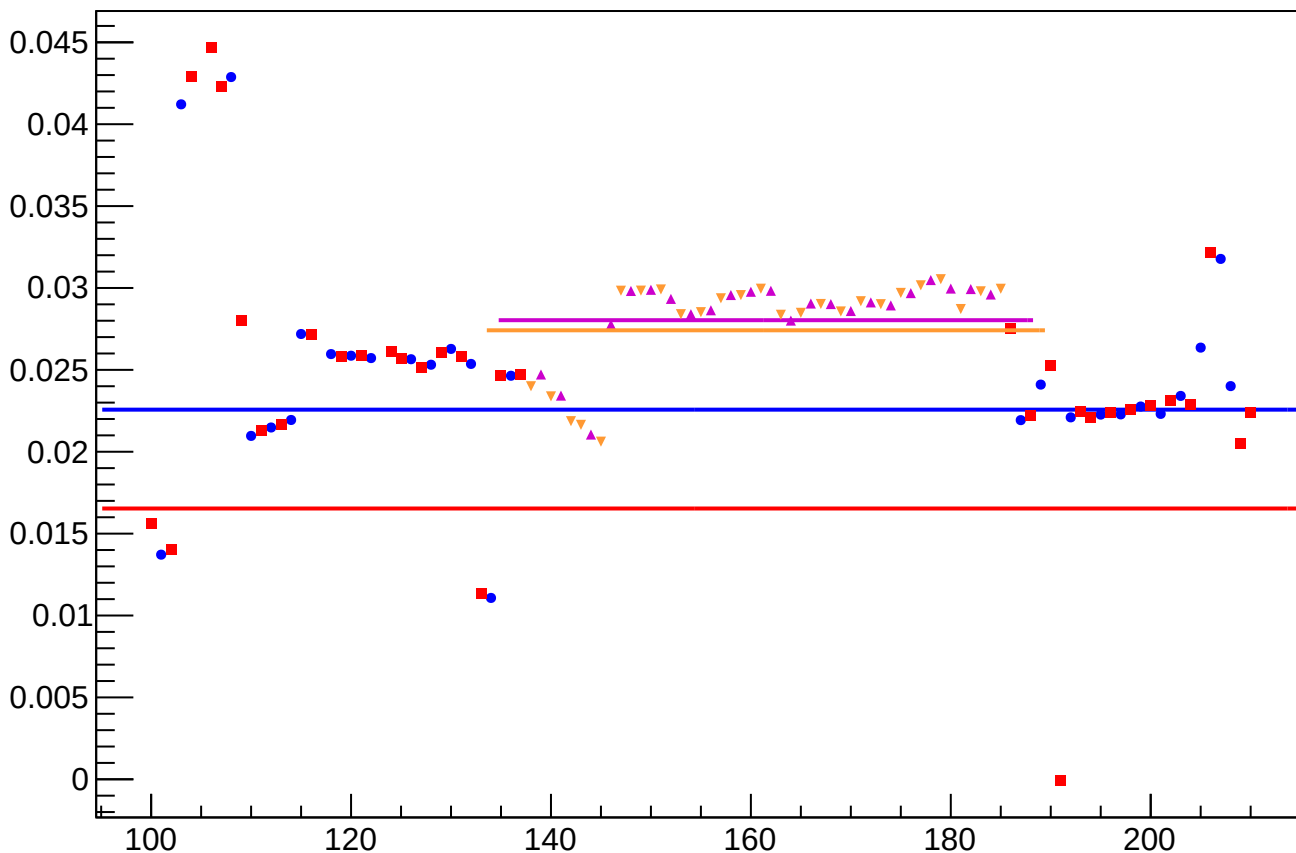
Left In: 0.000+/-0.000 χ^2/NDF :141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 3952491.4/51

All: 0.000+/-0.000 χ^2/NDF : 8170106.8/107

- sign 0.000+/-0.000 χ^2/NDF : 4192922.5/55

yield_atr2_mean vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 5189715794.3/26

Left Out: 0.027 $\pm$ 0.000 χ^2 /NDF:2240091851.9/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 25750463760.7/32

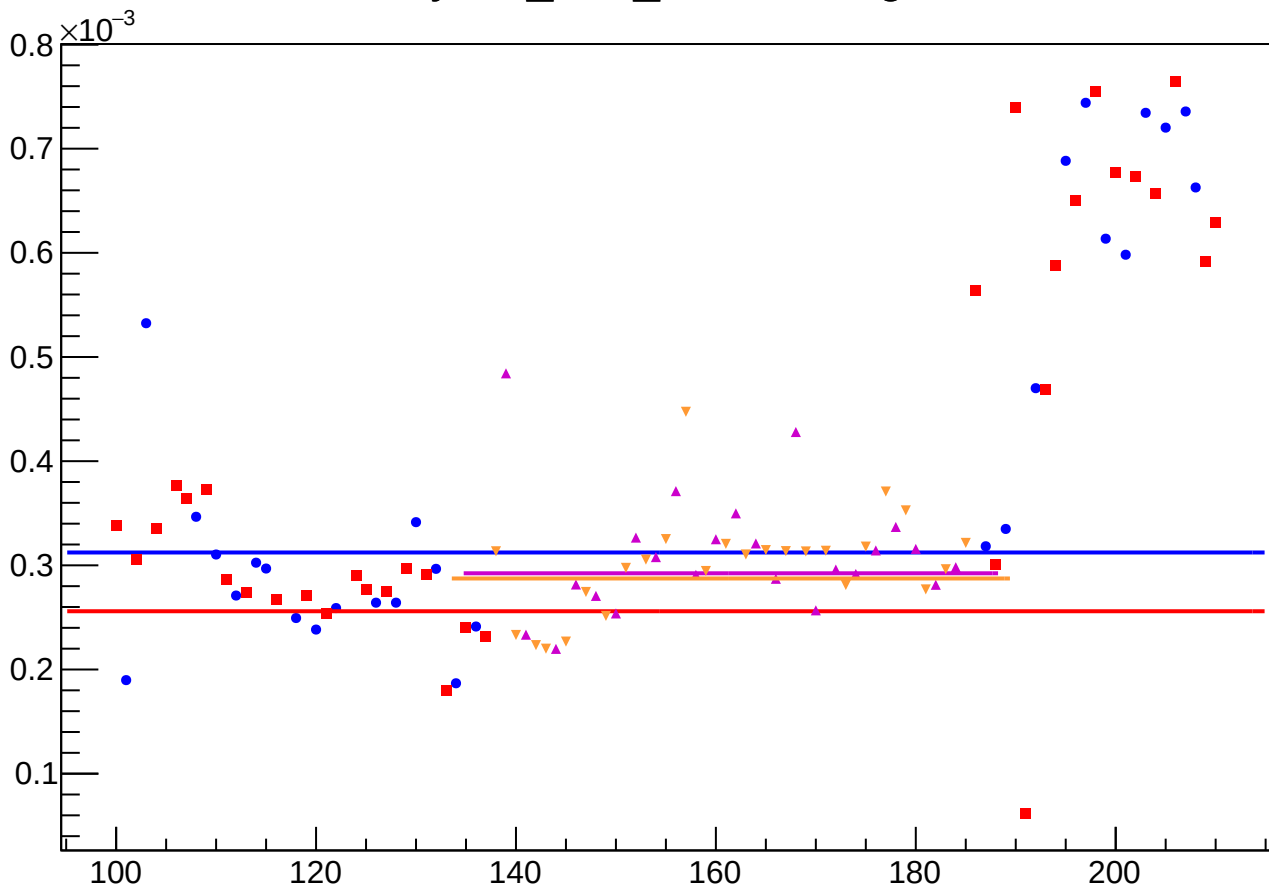
Left In: 0.028 $\pm$ 0.000 χ^2 /NDF:1490587051.3/22

+ sign 0.026 $\pm$ 0.000 χ^2 /NDF: 9230993145.0/51

All: 0.024 $\pm$ 0.000 χ^2 /NDF: 50040790175.3/100

- sign 0.023 $\pm$ 0.000 χ^2 /NDF: 39246772500.4/55

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5455765.7/26

Left Out: 0.000+/-0.000 χ^2/NDF :821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10797408.2/32

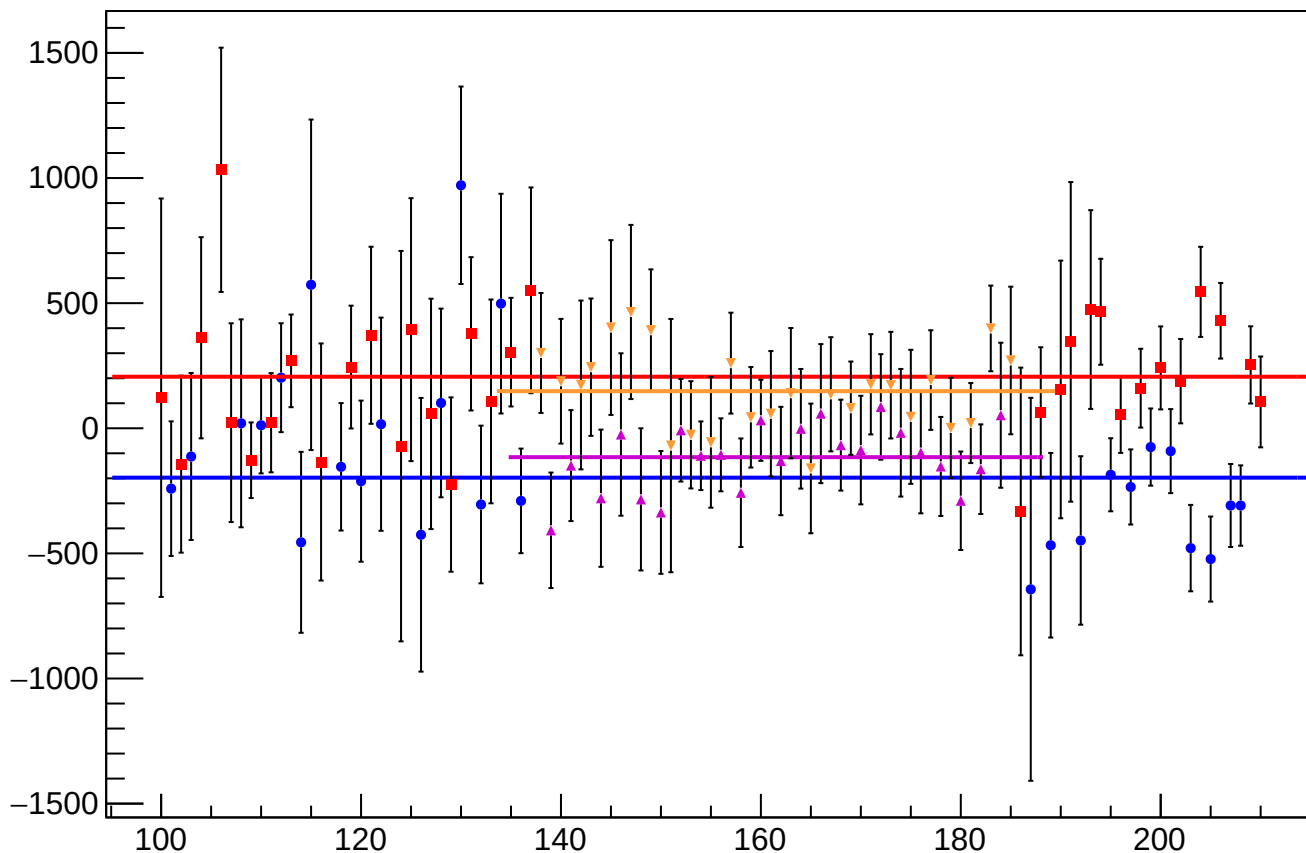
Left In: 0.000+/-0.000 χ^2/NDF :970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 6372814.5/51

All: 0.000+/-0.000 χ^2/NDF : 18540343.6/107

- sign 0.000+/-0.000 χ^2/NDF : 12009047.7/55

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -197.338 ± 44.622 χ^2/NDF : 29.3/26

Left Out: 148.273 ± 46.219 χ^2/NDF : 10.4/24

Right Out: 205.970 ± 41.858 χ^2/NDF : 24.5/32

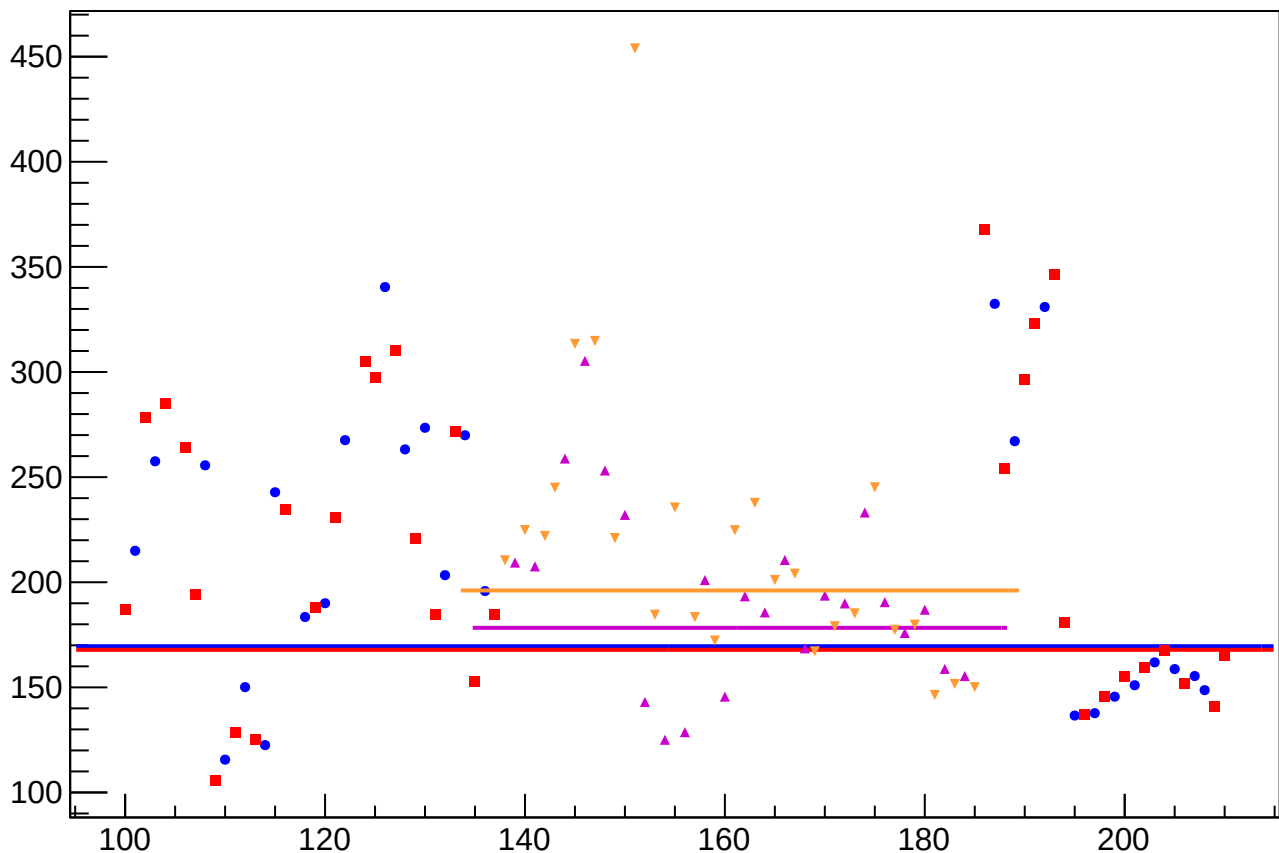
Left In: -115.487 ± 43.568 χ^2/NDF : 7.8/22

+ sign -30.606 ± 32.102 χ^2/NDF : 68.6/51

All: 13.065 ± 21.990 χ^2/NDF : 132.6/107

- sign 51.674 ± 30.184 χ^2/NDF : 60.6/55

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.568 $\pm$ 0.032 χ^2 /NDF: 2265630.1/26

Left Out: 196.087 $\pm$ 0.033 χ^2 /NDF:1818492.9/24

Right Out: 167.864 $\pm$ 0.030 χ^2 /NDF: 3001845.0/32

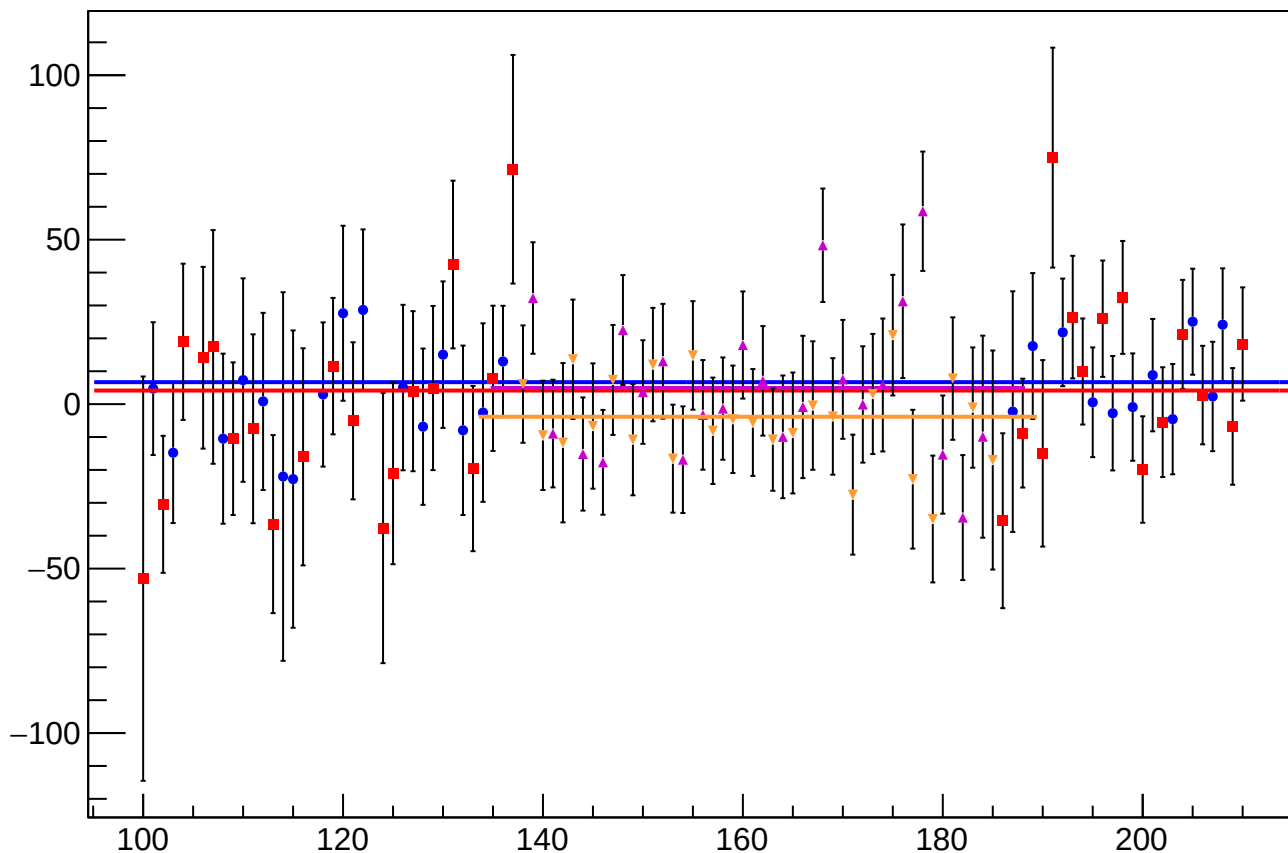
Left In: 178.318 $\pm$ 0.031 χ^2 /NDF:1678336.4/22

+ sign 182.361 $\pm$ 0.023 χ^2 /NDF: 4424894.0/51

All: 177.330 $\pm$ 0.016 χ^2 /NDF: 9257503.5/107

- sign 172.882 $\pm$ 0.021 χ^2 /NDF: 4740054.0/55

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 6.681 ± 4.039 $\chi^2/\text{NDF}: 9.4/26$

Left Out: -3.834 ± 3.603 $\chi^2/\text{NDF}: 12.9/24$

Right Out: 4.138 ± 3.789 $\chi^2/\text{NDF}: 34.8/32$

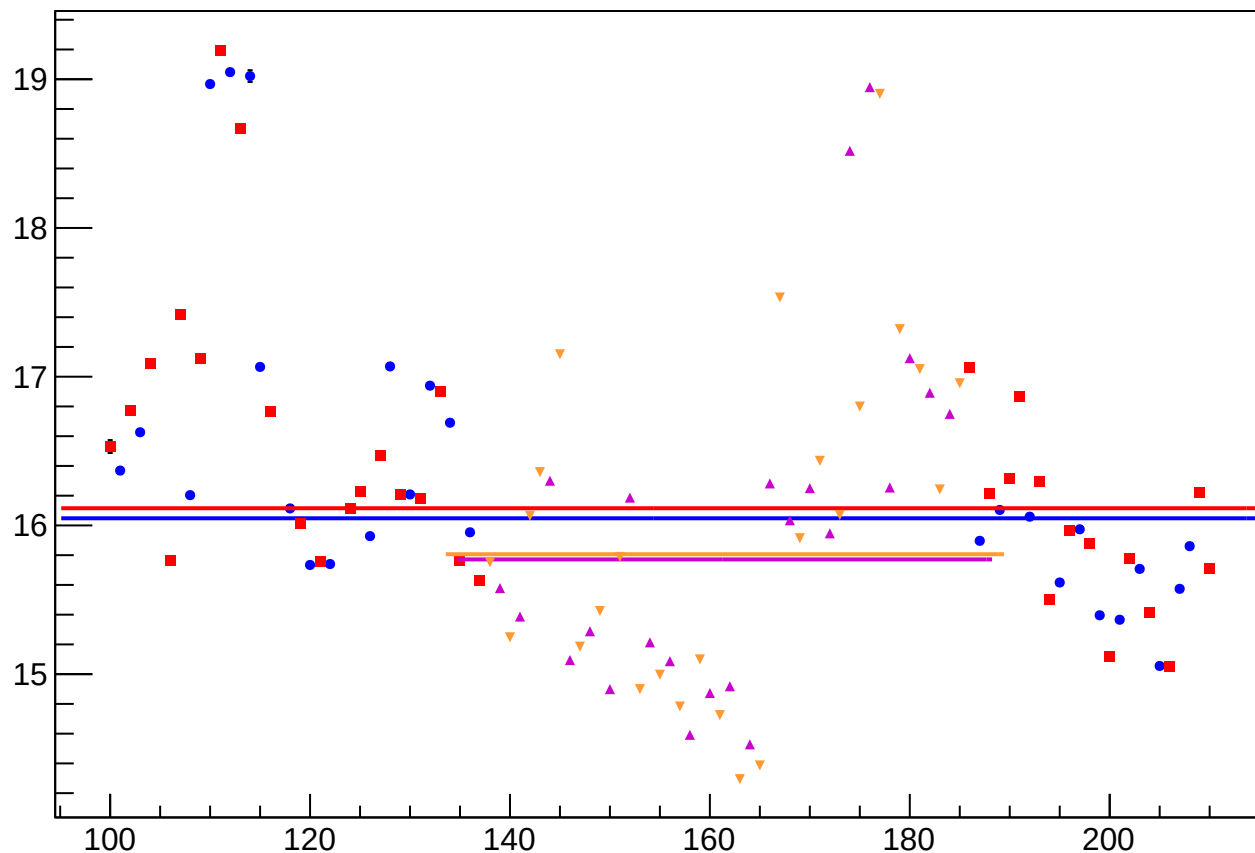
Left In: 4.903 ± 3.695 $\chi^2/\text{NDF}: 33.9/22$

+ sign 0.824 ± 2.689 $\chi^2/\text{NDF}: 26.0/51$

All: 2.707 ± 1.886 $\chi^2/\text{NDF}: 95.7/107$

- sign 4.530 ± 2.645 $\chi^2/\text{NDF}: 68.7/55$

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.048 $\pm$ 0.003 χ^2/NDF : 77449.4/26

Left Out: 15.806 $\pm$ 0.003 χ^2/NDF : 172651.3/24

Right Out: 16.116 $\pm$ 0.003 χ^2/NDF : 88204.9/32

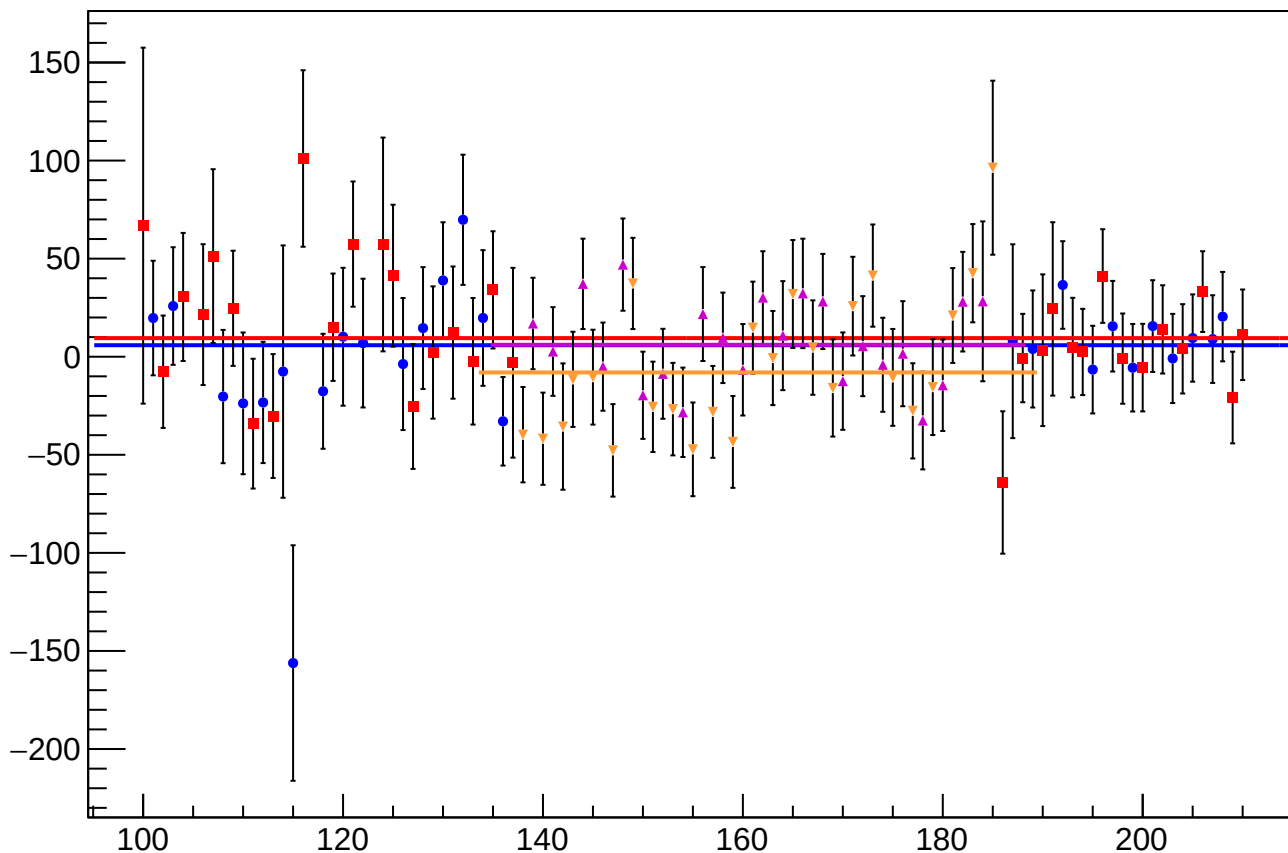
Left In: 15.771 $\pm$ 0.003 χ^2/NDF : 152136.7/22

+ sign 15.913 $\pm$ 0.002 χ^2/NDF : 254089.1/51

All: 15.926 $\pm$ 0.001 χ^2/NDF : 502980.0/107

- sign 15.939 $\pm$ 0.002 χ^2/NDF : 248797.4/55

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.867 ± 5.401 χ^2/NDF : 22.4/26

Left Out: -8.016 ± 4.956 χ^2/NDF : 38.9/24

Right Out: 9.484 ± 5.066 χ^2/NDF : 26.0/32

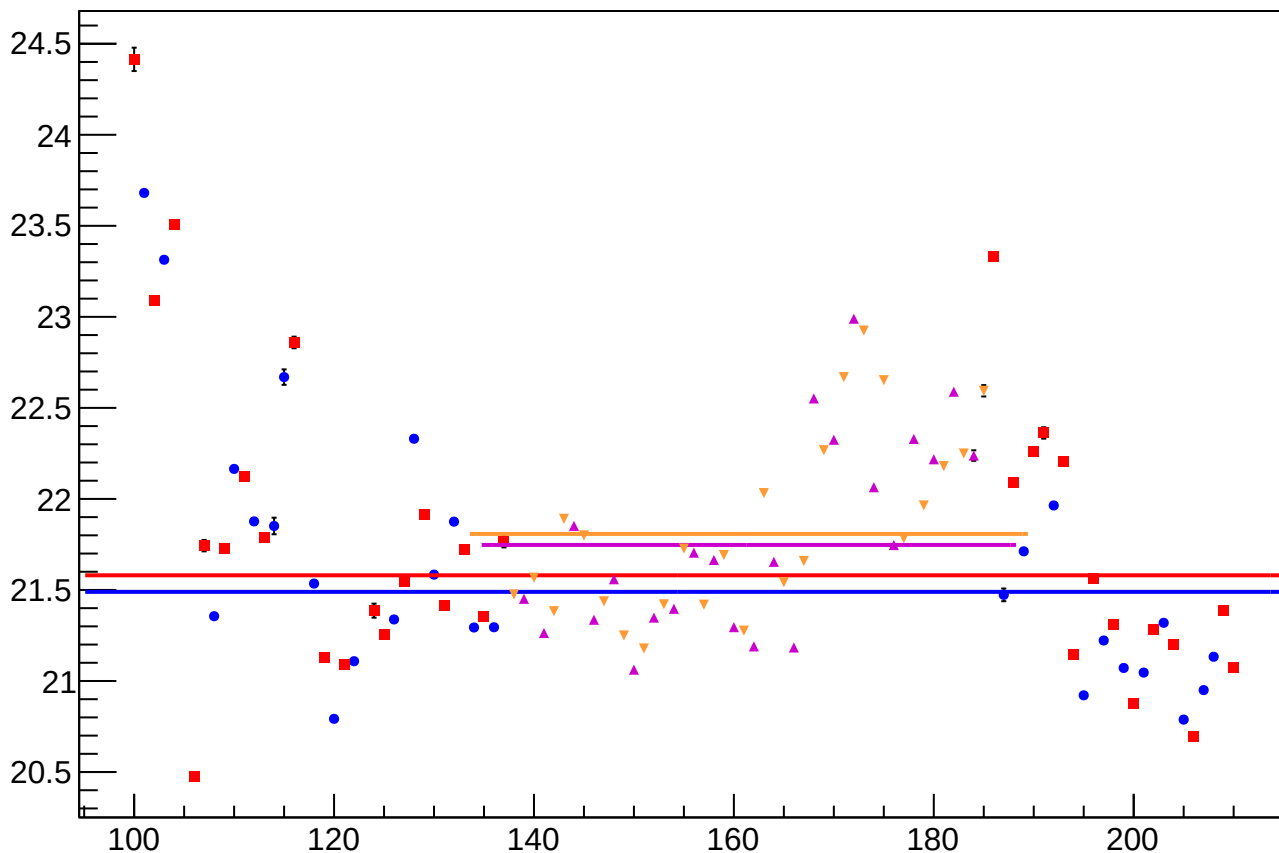
Left In: 6.086 ± 5.080 χ^2/NDF : 17.9/22

+ sign -1.670 ± 3.652 χ^2/NDF : 64.8/51

All: 3.144 ± 2.559 χ^2/NDF : 112.4/107

- sign 7.790 ± 3.587 χ^2/NDF : 44.1/55

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.490 $\pm$ 0.004 χ^2 /NDF: 31366.7/26

Left Out: 21.808 $\pm$ 0.004 χ^2 /NDF:17561.0/24

Right Out: 21.580 $\pm$ 0.004 χ^2 /NDF: 37233.1/32

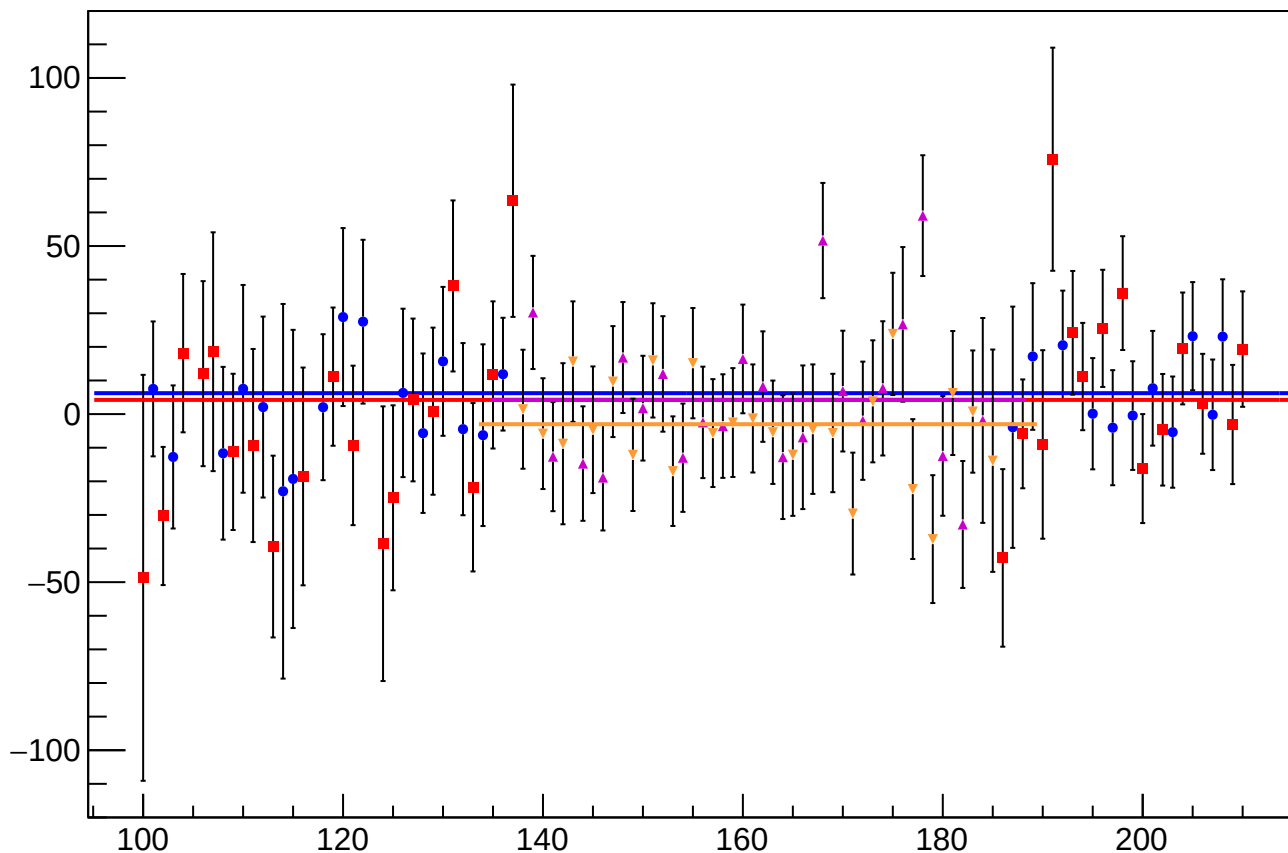
Left In: 21.747 $\pm$ 0.004 χ^2 /NDF:20560.9/22

+ sign 21.662 $\pm$ 0.003 χ^2 /NDF: 52696.0/51

All: 21.663 $\pm$ 0.002 χ^2 /NDF: 111571.1/107

- sign 21.664 $\pm$ 0.003 χ^2 /NDF: 58874.9/55

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 6.226 ± 4.010 χ^2/NDF : 8.9/26

Left Out: -3.002 ± 3.569 χ^2/NDF : 14.6/24

Right Out: 4.227 ± 3.763 χ^2/NDF : 35.0/32

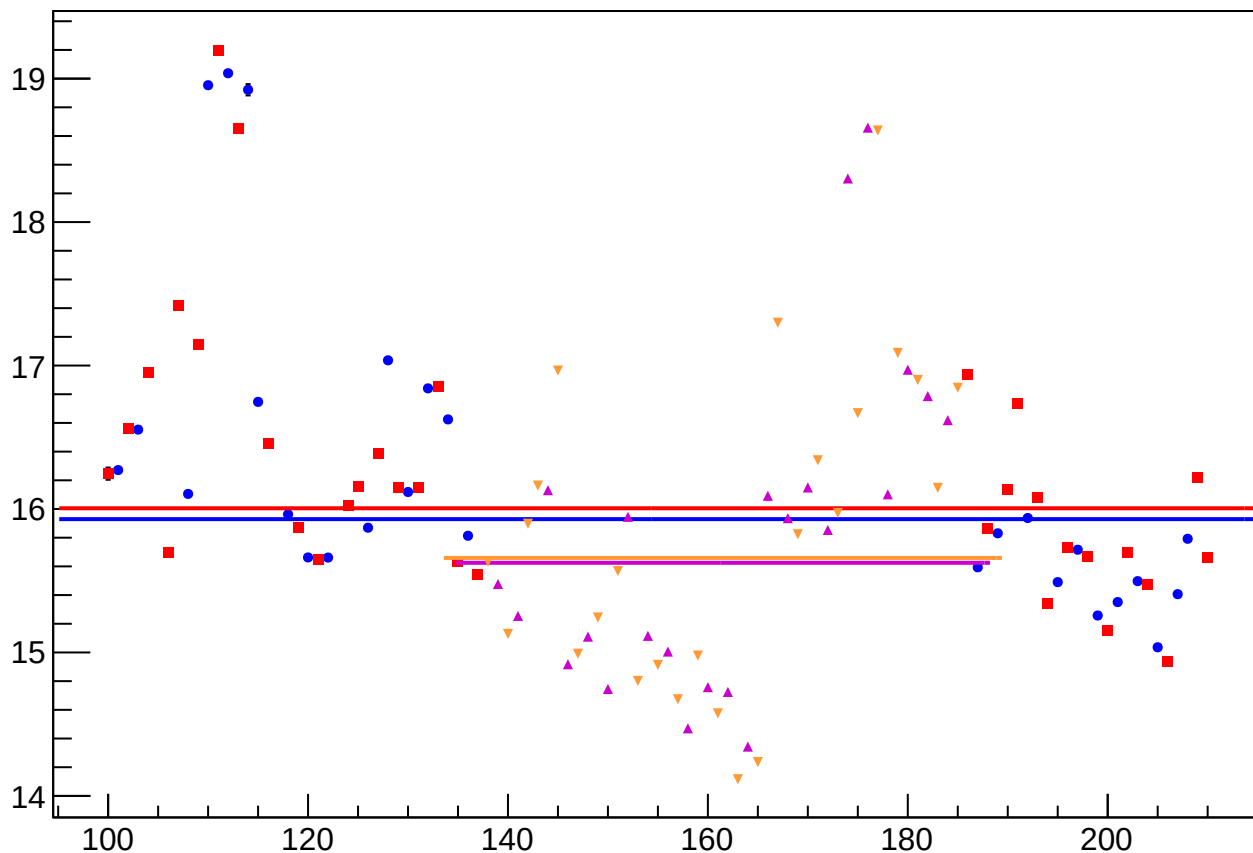
Left In: 4.249 ± 3.661 χ^2/NDF : 33.8/22

+ sign 1.076 ± 2.666 χ^2/NDF : 26.5/51

All: 2.682 ± 1.870 χ^2/NDF : 96.0/107

- sign 4.238 ± 2.624 χ^2/NDF : 68.8/55

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.929 $\pm$ 0.003 χ^2 /NDF: 80946.4/26

Left Out: 15.659 $\pm$ 0.003 χ^2 /NDF: 169838.6/24

Right Out: 16.005 $\pm$ 0.003 χ^2 /NDF: 89725.3/32

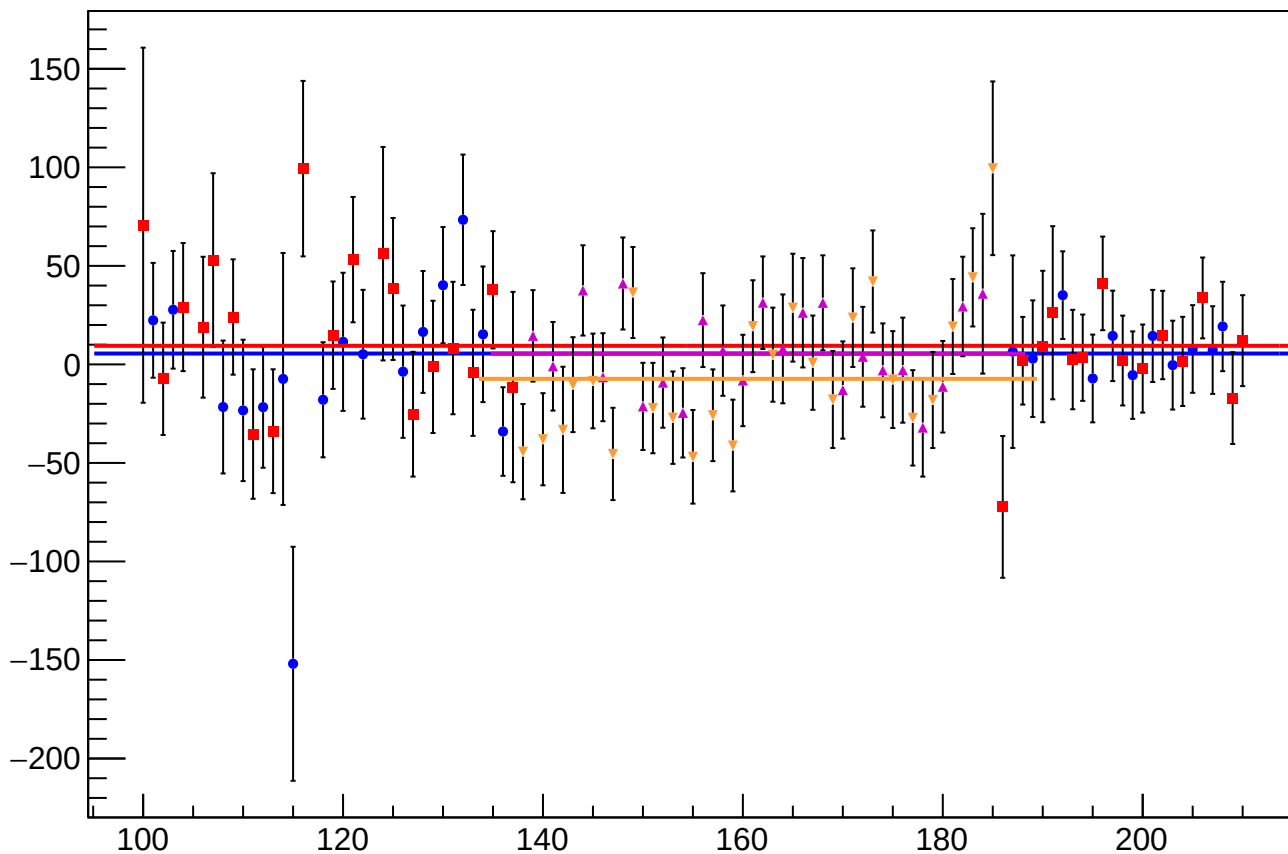
Left In: 15.625 $\pm$ 0.003 χ^2 /NDF: 150431.7/22

+ sign 15.778 $\pm$ 0.002 χ^2 /NDF: 255860.3/51

All: 15.794 $\pm$ 0.001 χ^2 /NDF: 506636.8/107

- sign 15.810 $\pm$ 0.002 χ^2 /NDF: 250636.0/55

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.514 ± 5.376 χ^2/NDF : 22.8/26

Left Out: -7.318 ± 4.929 χ^2/NDF : 38.6/24

Right Out: 9.429 ± 5.041 χ^2/NDF : 26.8/32

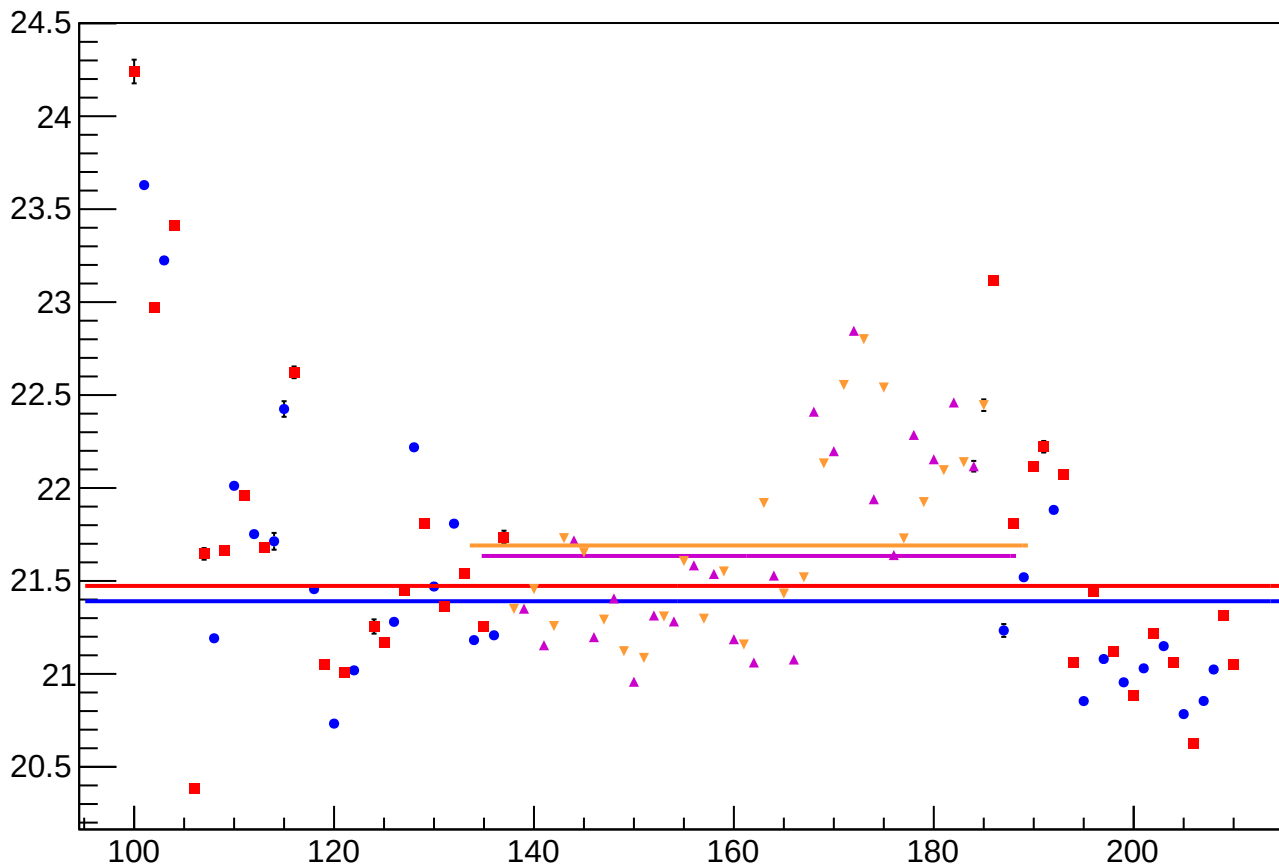
Left In: 5.435 ± 5.054 χ^2/NDF : 17.3/22

+ sign -1.458 ± 3.633 χ^2/NDF : 64.5/51

All: 3.069 ± 2.546 χ^2/NDF : 112.0/107

- sign 7.437 ± 3.569 χ^2/NDF : 44.4/55

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.391 $\pm$ 0.004 χ^2 /NDF: 31137.8/26

Left Out: 21.691 $\pm$ 0.003 χ^2 /NDF: 17934.9/24

Right Out: 21.473 $\pm$ 0.004 χ^2 /NDF: 34414.0/32

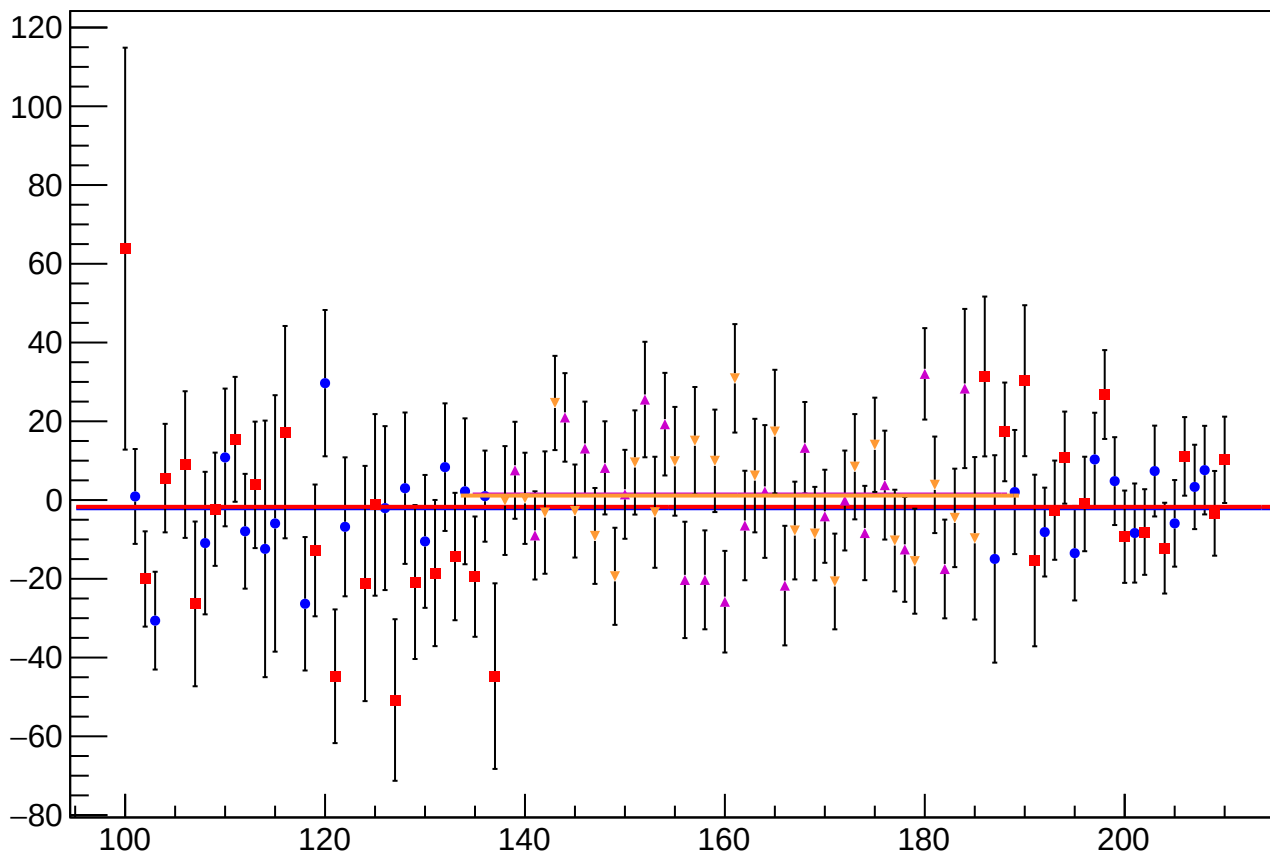
Left In: 21.635 $\pm$ 0.004 χ^2 /NDF: 20561.5/22

+ sign 21.554 $\pm$ 0.003 χ^2 /NDF: 52454.3/51

All: 21.554 $\pm$ 0.002 χ^2 /NDF: 108450.2/107

- sign 21.554 $\pm$ 0.003 χ^2 /NDF: 55996.0/55

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.084 ± 2.745 χ^2/NDF : 17.3/26

Left Out: 1.138 ± 2.620 χ^2/NDF : 24.5/24

Right Out: -1.723 ± 2.566 χ^2/NDF : 47.9/32

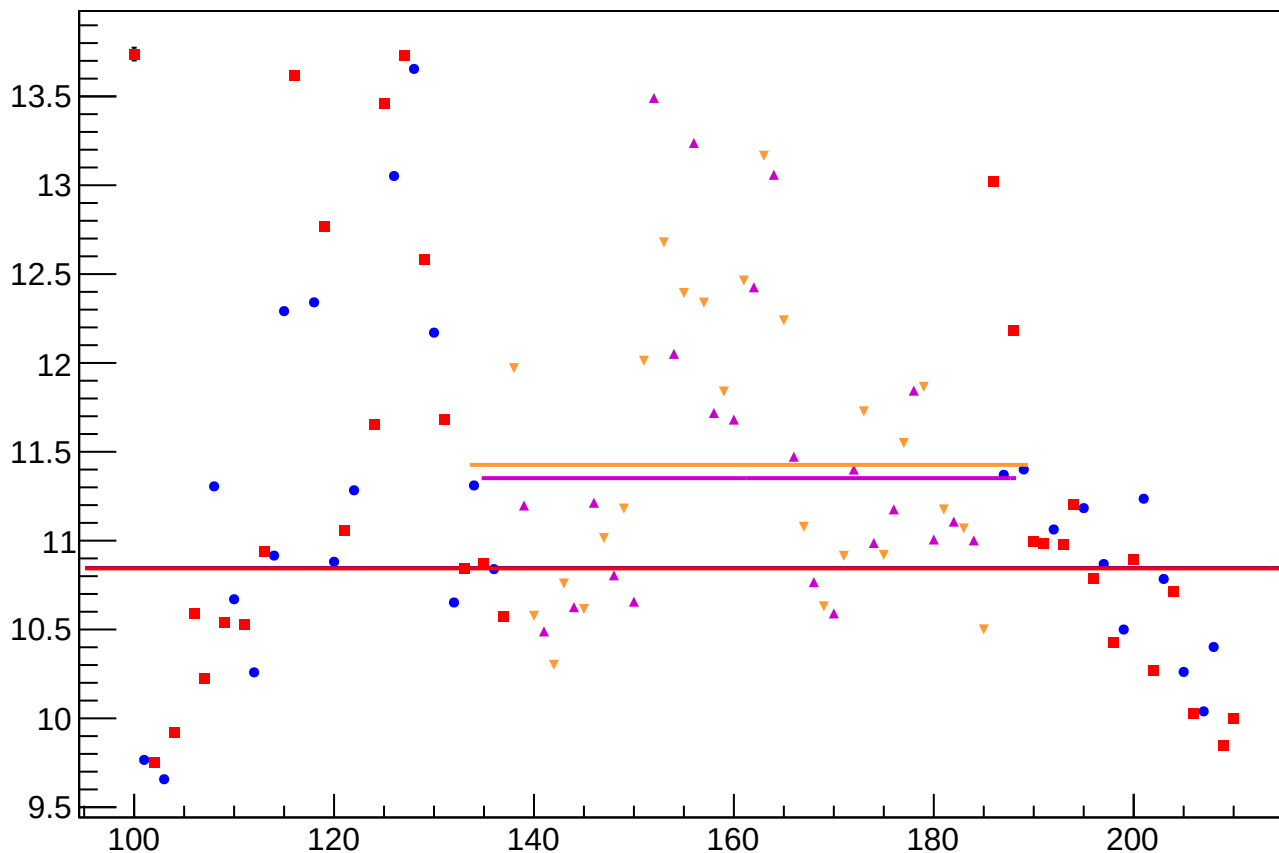
Left In: 1.407 ± 2.674 χ^2/NDF : 36.3/22

+ sign -0.398 ± 1.895 χ^2/NDF : 42.6/51

All: -0.308 ± 1.324 χ^2/NDF : 127.5/107

- sign -0.222 ± 1.851 χ^2/NDF : 85.0/55

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.846 $\pm$ 0.002 χ^2 /NDF: 168510.7/26

Left Out: 11.426 $\pm$ 0.002 χ^2 /NDF: 156973.4/24

Right Out: 10.844 $\pm$ 0.002 χ^2 /NDF: 269954.5/32

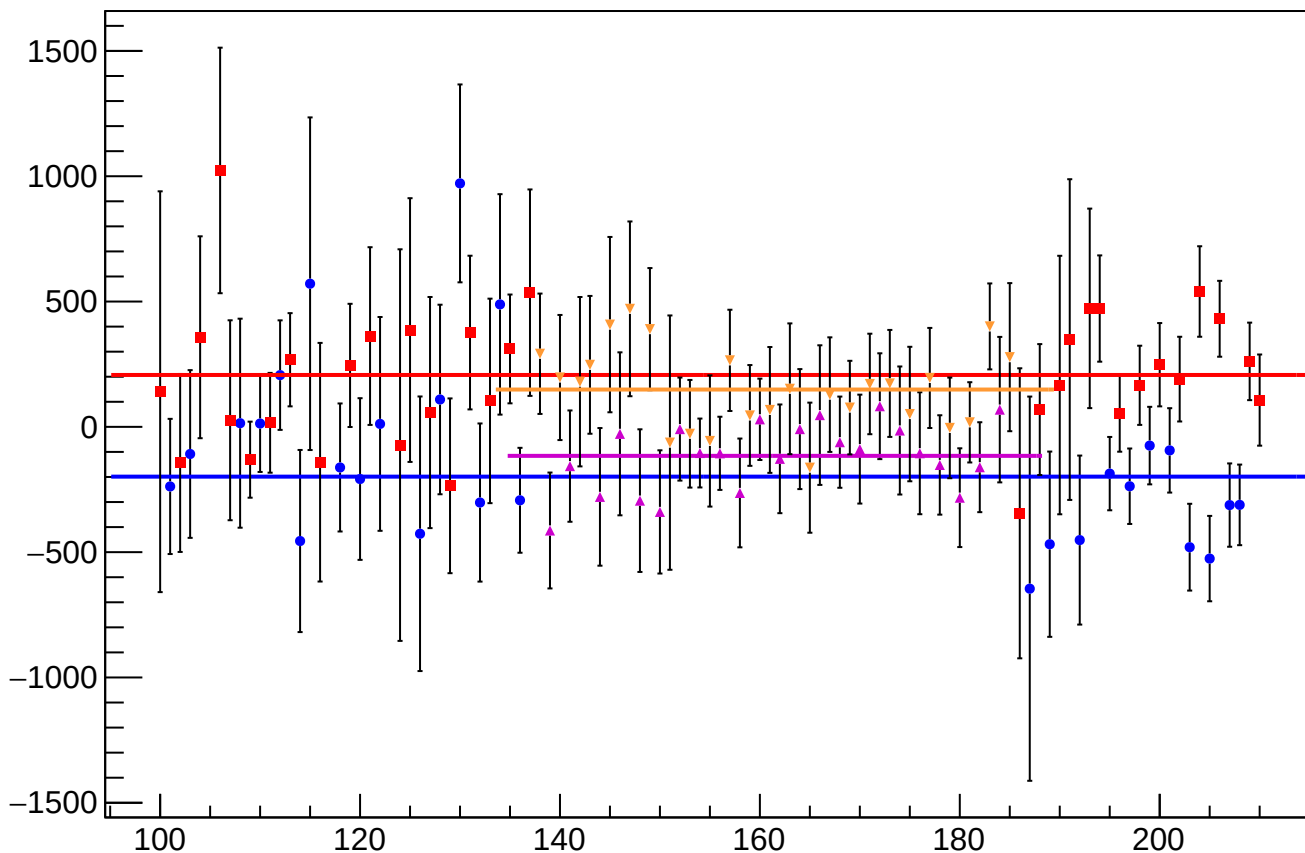
Left In: 11.352 $\pm$ 0.002 χ^2 /NDF: 170563.6/22

+ sign 11.150 $\pm$ 0.001 χ^2 /NDF: 372282.1/51

All: 11.118 $\pm$ 0.001 χ^2 /NDF: 851443.6/107

- sign 11.087 $\pm$ 0.001 χ^2 /NDF: 478053.6/55

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -198.638 ± 44.738 χ^2/NDF : 29.3/26

Left Out: 148.905 ± 46.306 χ^2/NDF : 10.5/24

Right Out: 207.040 ± 41.971 χ^2/NDF : 24.5/32

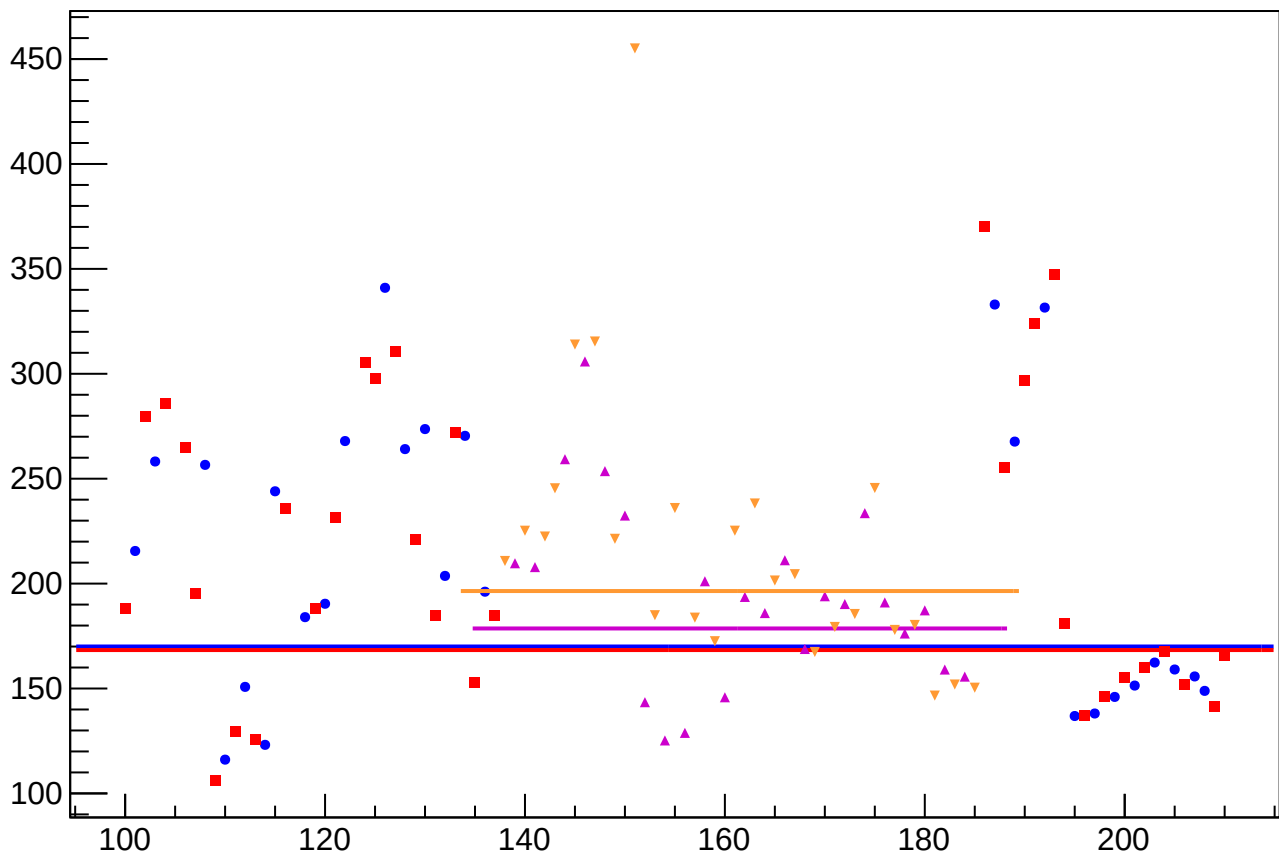
Left In: -115.709 ± 43.641 χ^2/NDF : 7.8/22

+ sign -30.854 ± 32.175 χ^2/NDF : 68.9/51

All: 13.101 ± 22.039 χ^2/NDF : 133.1/107

- sign 51.957 ± 30.251 χ^2/NDF : 60.7/55

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 170.018 $\pm$ 0.032 χ^2 /NDF: 2261101.2/26

Left Out: 196.454 $\pm$ 0.033 χ^2 /NDF:1818746.1/24

Right Out: 168.326 $\pm$ 0.030 χ^2 /NDF: 2999203.3/32

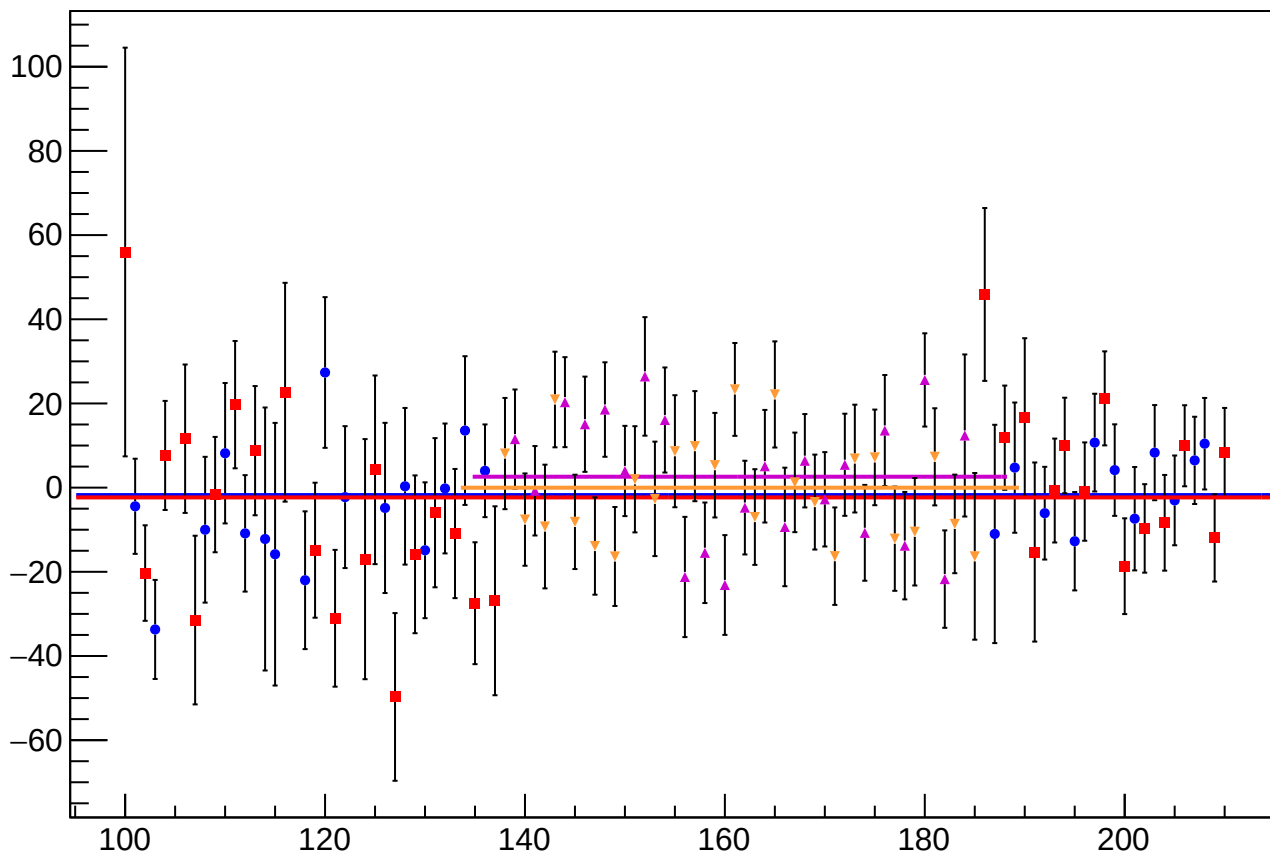
Left In: 178.614 $\pm$ 0.031 χ^2 /NDF:1678859.8/22

+ sign 182.781 $\pm$ 0.023 χ^2 /NDF: 4416997.1/51

All: 177.732 $\pm$ 0.016 χ^2 /NDF: 9245575.1/107

- sign 173.269 $\pm$ 0.021 χ^2 /NDF: 4735805.1/55

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -1.767 ± 2.648 $\chi^2/\text{NDF}: 20.4/26$

Left Out: -0.018 ± 2.445 $\chi^2/\text{NDF}: 23.7/24$

Right Out: -2.327 ± 2.478 $\chi^2/\text{NDF}: 45.9/32$

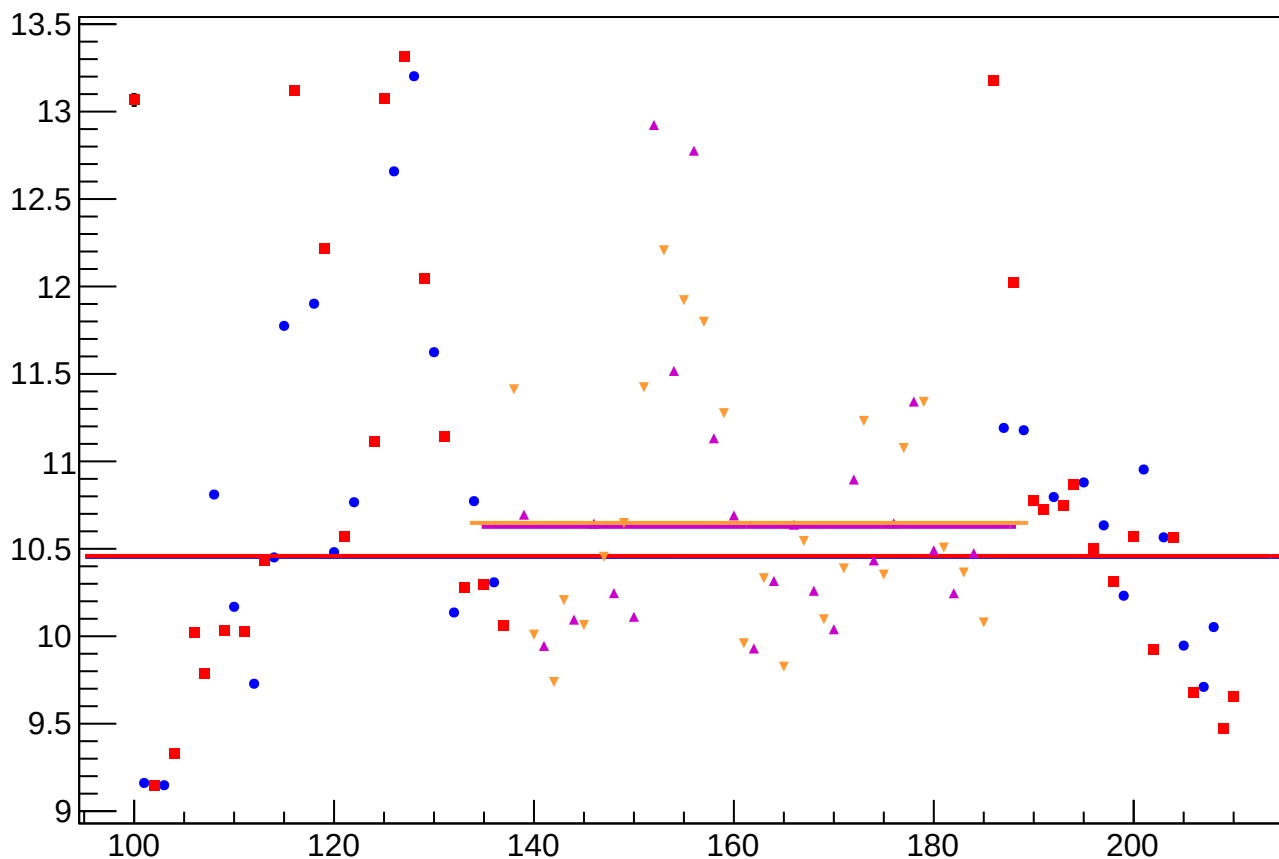
Left In: 2.591 ± 2.506 $\chi^2/\text{NDF}: 34.8/22$

+ sign -0.822 ± 1.796 $\chi^2/\text{NDF}: 44.3/51$

All: -0.350 ± 1.258 $\chi^2/\text{NDF}: 127.1/107$

- sign 0.104 ± 1.762 $\chi^2/\text{NDF}: 82.6/55$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.454 $\pm$ 0.002 χ^2 /NDF: 190350.6/26

Left Out: 10.648 $\pm$ 0.002 χ^2 /NDF:143535.9/24

Right Out: 10.459 $\pm$ 0.002 χ^2 /NDF: 308026.8/32

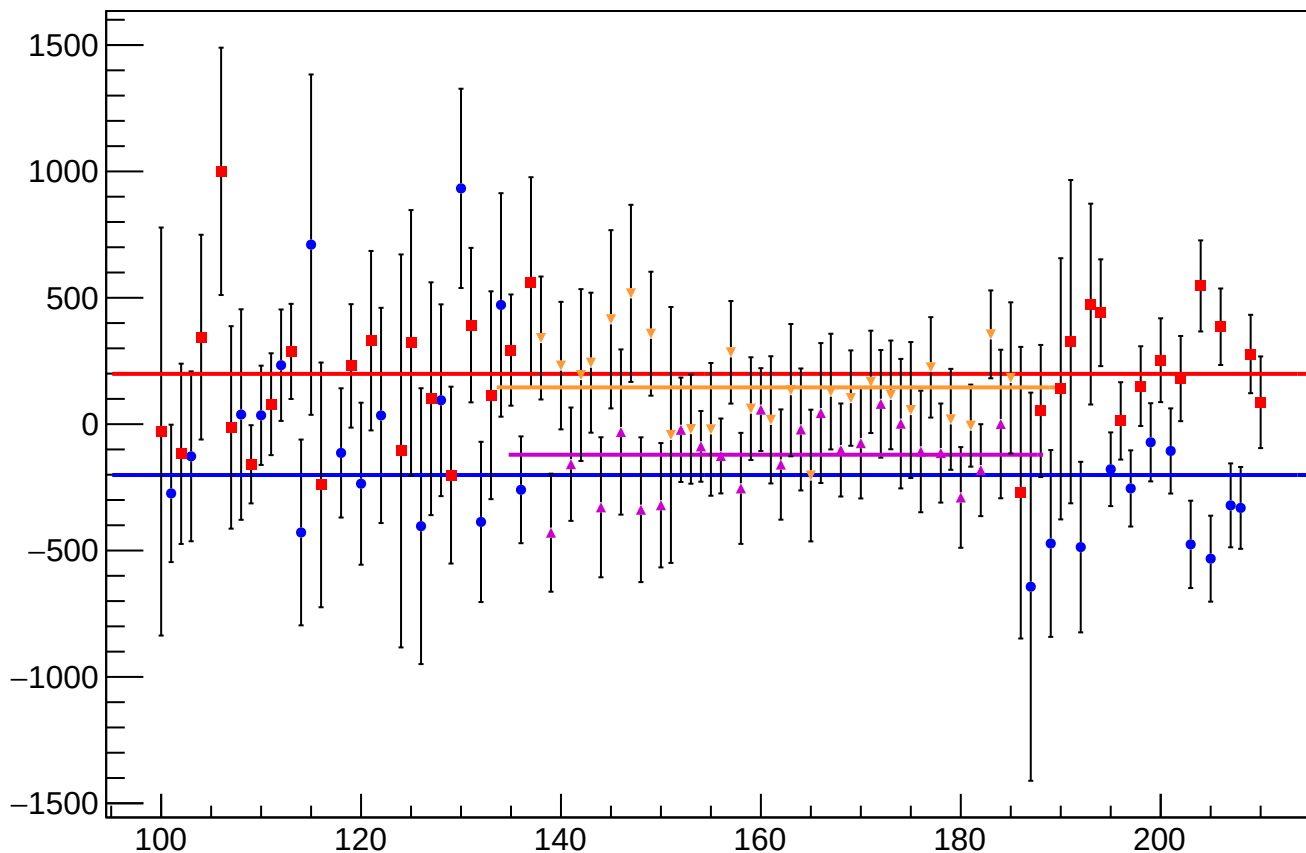
Left In: 10.626 $\pm$ 0.002 χ^2 /NDF:159543.1/22

+ sign 10.559 $\pm$ 0.001 χ^2 /NDF: 339698.2/51

All: 10.550 $\pm$ 0.001 χ^2 /NDF: 811822.3/107

- sign 10.542 $\pm$ 0.001 χ^2 /NDF: 472029.1/55

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -201.156 ± 44.834 χ^2/NDF : 30.4/26

Left Out: 145.545 ± 46.613 χ^2/NDF : 10.3/24

Right Out: 199.010 ± 42.097 χ^2/NDF : 24.2/32

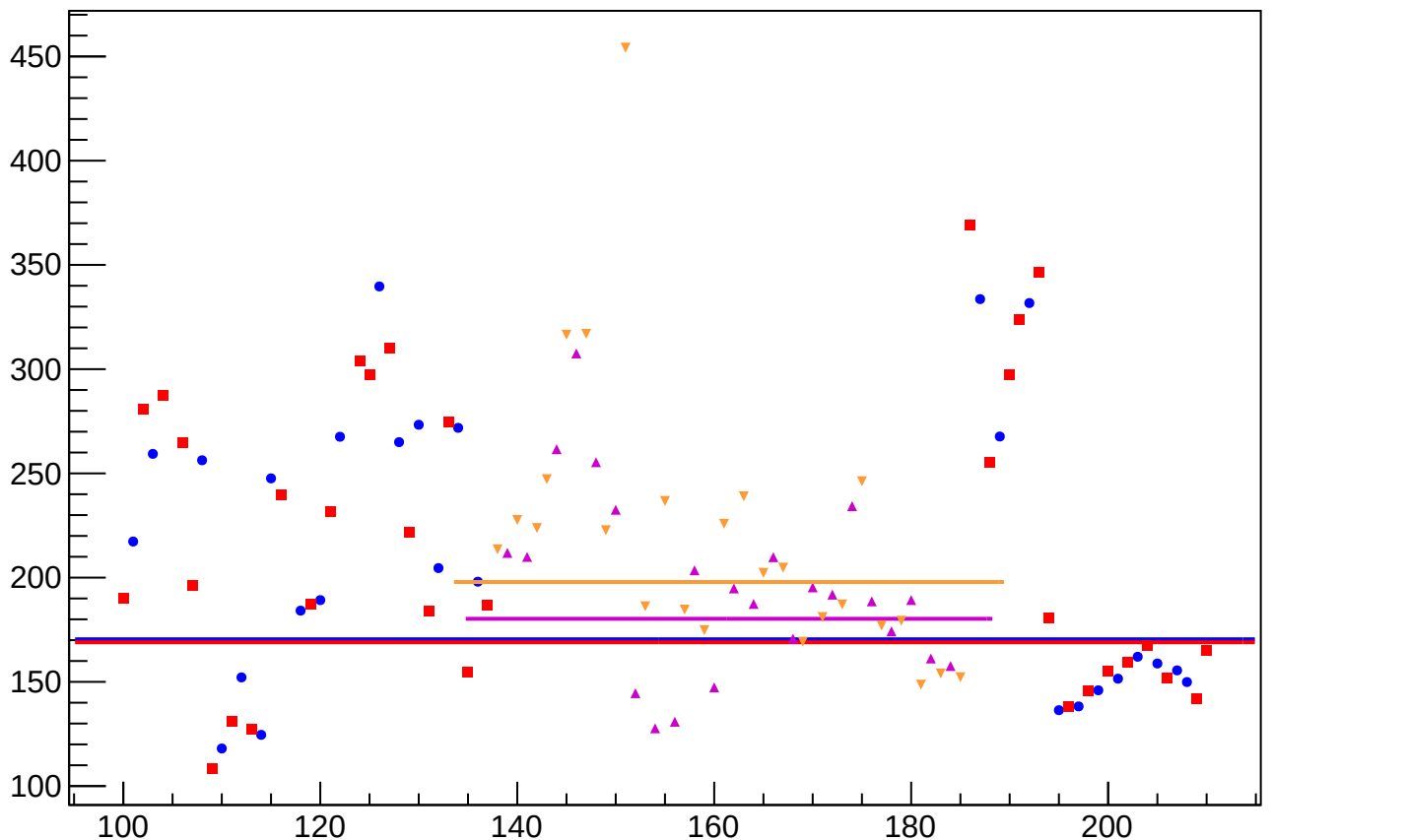
Left In: -120.888 ± 43.994 χ^2/NDF : 8.2/22

+ sign -34.548 ± 32.313 χ^2/NDF : 69.4/51

All: 8.217 ± 22.148 χ^2/NDF : 132.8/107

- sign 46.108 ± 30.416 χ^2/NDF : 60.0/55

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.420 $\pm$ 0.032 χ^2/NDF : 2254065.3/26

Left Out: 197.890 $\pm$ 0.033 χ^2/NDF :1788849.3/24

Right Out: 168.987 $\pm$ 0.030 χ^2/NDF : 2948035.7/32

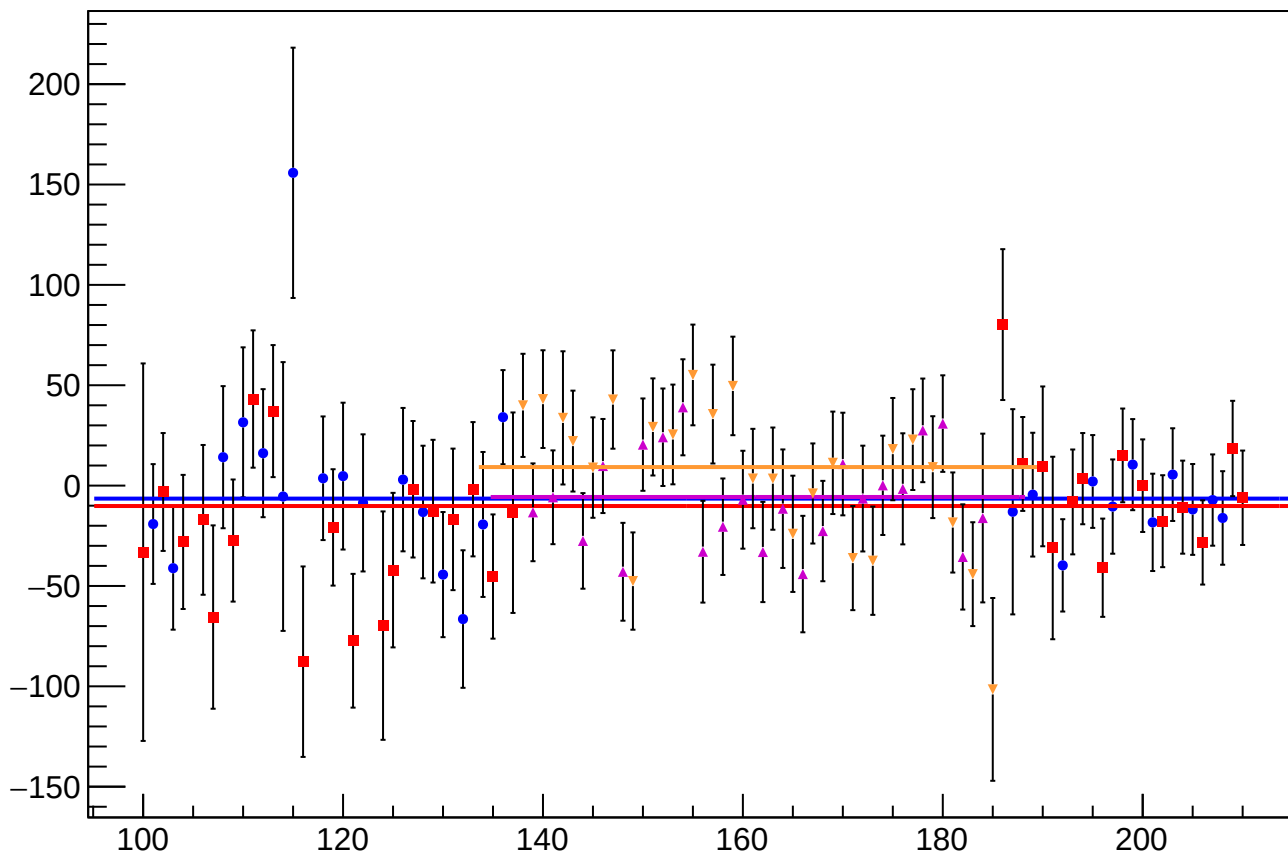
Left In: 180.248 $\pm$ 0.031 χ^2/NDF :1627777.0/22

+ sign 183.621 $\pm$ 0.023 χ^2/NDF : 4403723.6/51

All: 178.716 $\pm$ 0.016 χ^2/NDF : 9134856.1/107

- sign 174.370 $\pm$ 0.022 χ^2/NDF : 4644209.7/55

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.478 ± 5.569 χ^2/NDF : 21.7/26

Left Out: 9.234 ± 5.162 χ^2/NDF : 39.4/24

Right Out: -10.174 ± 5.227 χ^2/NDF : 29.5/32

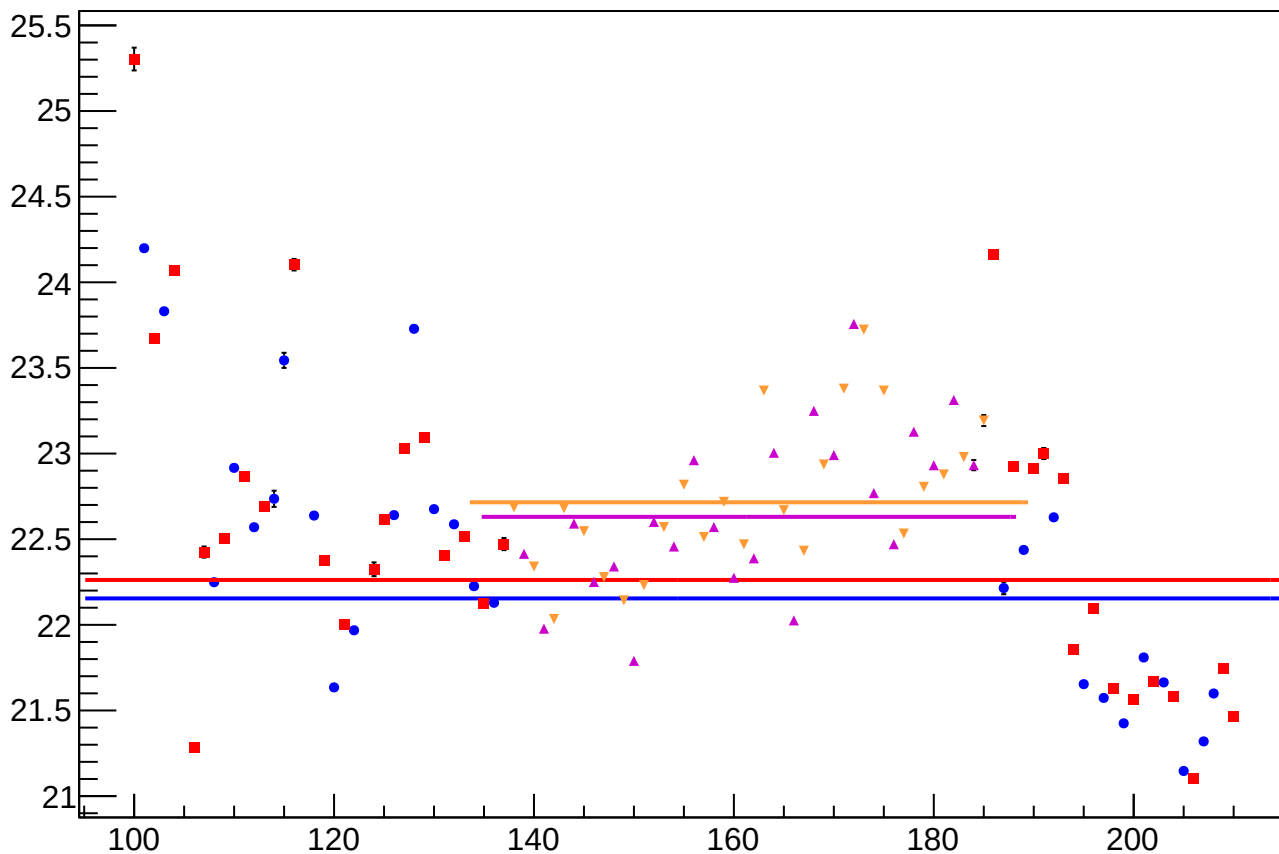
Left In: -5.668 ± 5.286 χ^2/NDF : 20.8/22

+ sign 1.972 ± 3.786 χ^2/NDF : 65.4/51

All: -3.078 ± 2.652 χ^2/NDF : 119.6/107

- sign -7.946 ± 3.717 χ^2/NDF : 50.7/55

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.154 $\pm$ 0.004 χ^2 /NDF: 38817.2/26

Left Out: 22.715 $\pm$ 0.004 χ^2 /NDF: 12181.4/24

Right Out: 22.262 $\pm$ 0.004 χ^2 /NDF: 45937.8/32

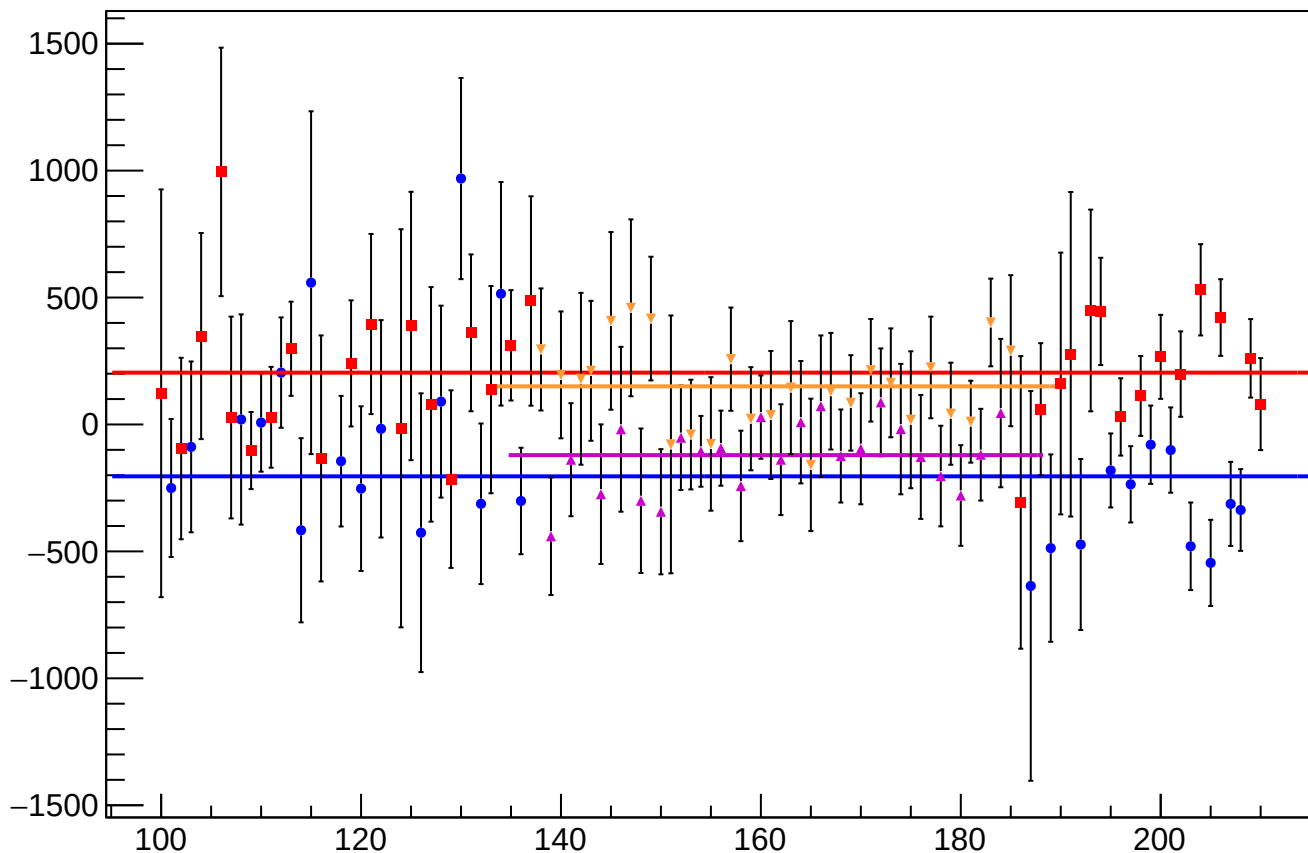
Left In: 22.631 $\pm$ 0.004 χ^2 /NDF: 15391.4/22

+ sign 22.456 $\pm$ 0.003 χ^2 /NDF: 61921.4/51

All: 22.450 $\pm$ 0.002 χ^2 /NDF: 128174.1/107

- sign 22.444 $\pm$ 0.003 χ^2 /NDF: 66242.7/55

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -204.389 ± 44.696 χ^2/NDF : 29.9/26

Left Out: 150.218 ± 46.535 χ^2/NDF : 11.0/24

Right Out: 204.176 ± 41.922 χ^2/NDF : 22.8/32

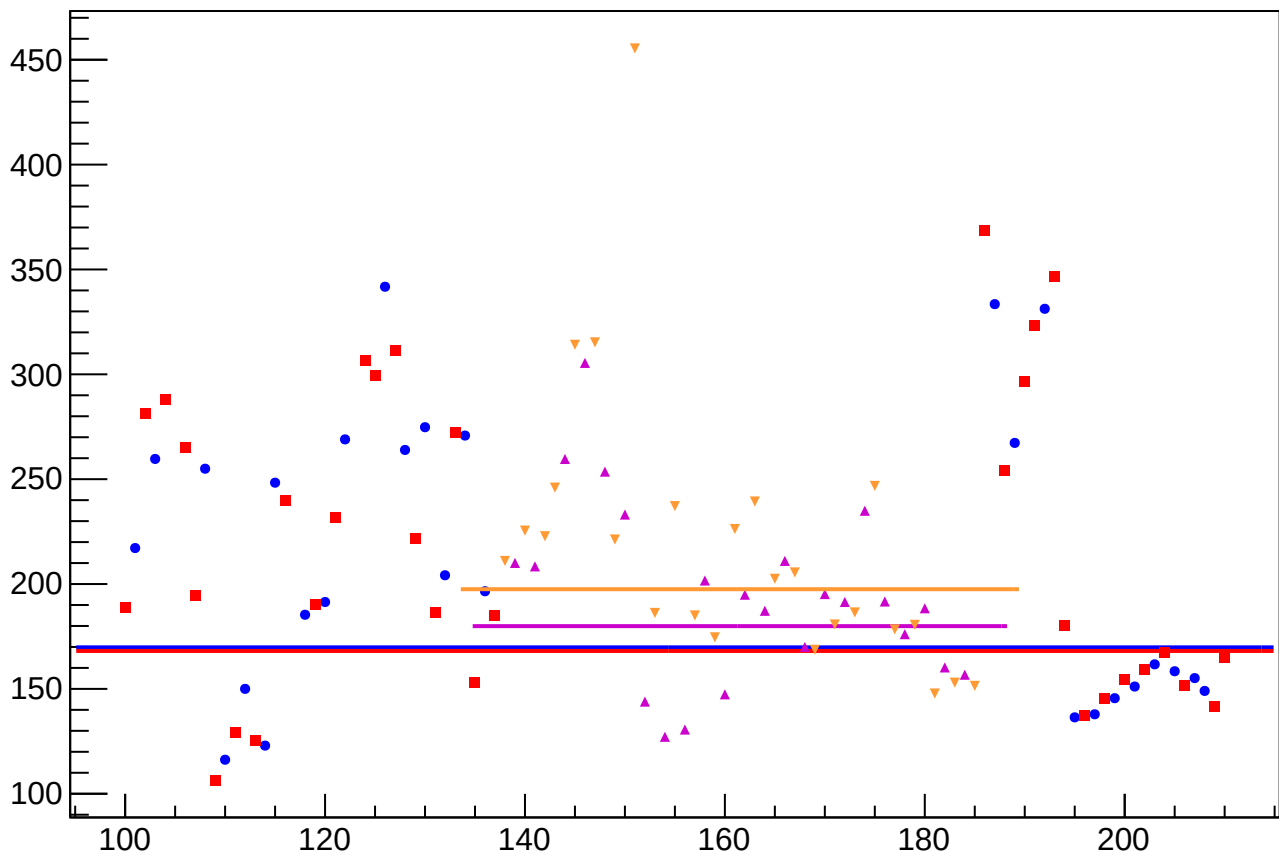
Left In: -120.760 ± 43.920 χ^2/NDF : 7.9/22

+ sign -34.231 ± 32.235 χ^2/NDF : 71.1/51

All: 10.065 ± 22.088 χ^2/NDF : 134.0/107

- sign 49.267 ± 30.325 χ^2/NDF : 59.4/55

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.799 $\pm$ 0.032 χ^2 /NDF: 2285010.3/26

Left Out: 197.534 $\pm$ 0.033 χ^2 /NDF:1789891.0/24

Right Out: 168.096 $\pm$ 0.030 χ^2 /NDF: 3019050.7/32

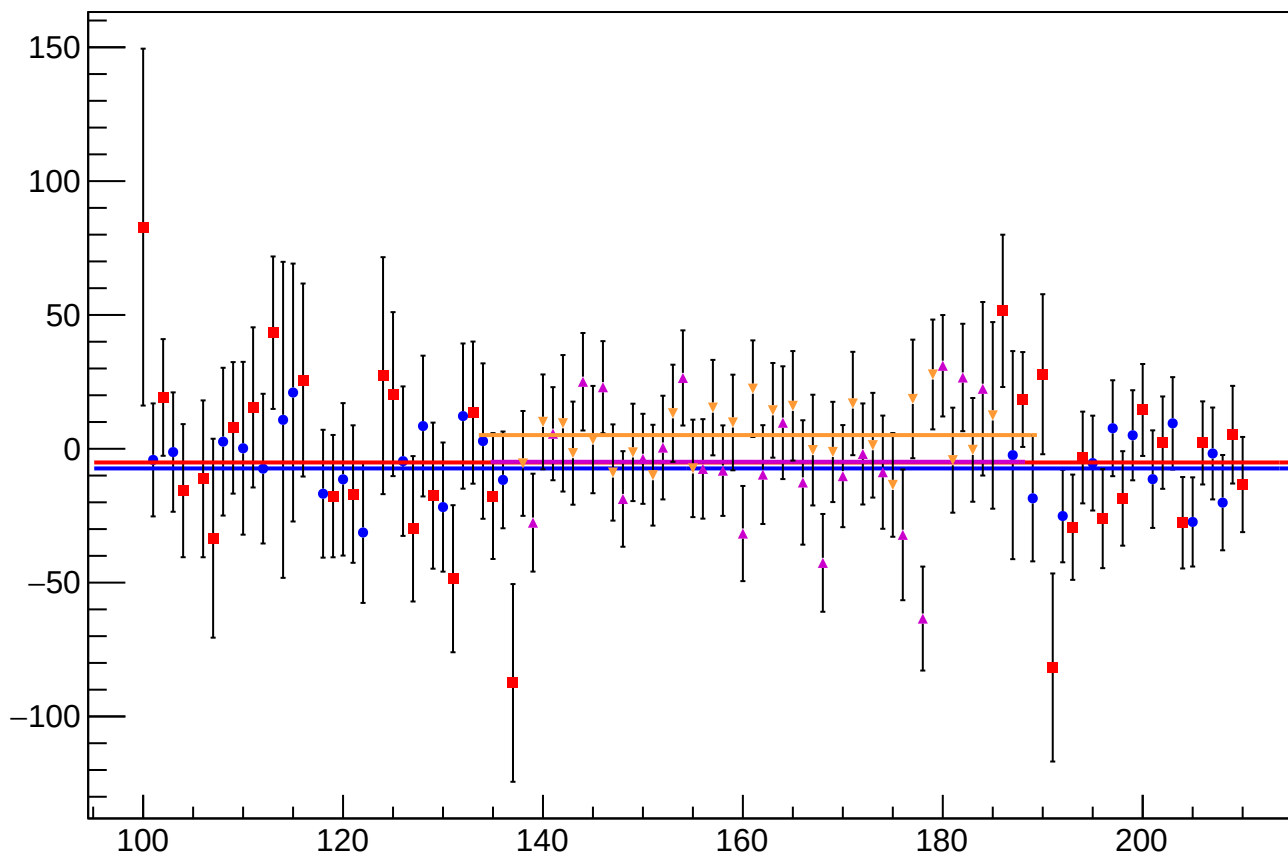
Left In: 179.923 $\pm$ 0.031 χ^2 /NDF:1624144.3/22

+ sign 183.108 $\pm$ 0.023 χ^2 /NDF: 4444435.3/51

All: 178.135 $\pm$ 0.016 χ^2 /NDF: 9253241.3/107

- sign 173.734 $\pm$ 0.021 χ^2 /NDF: 4719094.3/55

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -7.343 ± 4.257 χ^2/NDF : 8.8/26

Left Out: 5.119 ± 3.890 χ^2/NDF : 7.9/24

Right Out: -5.110 ± 3.998 χ^2/NDF : 38.3/32

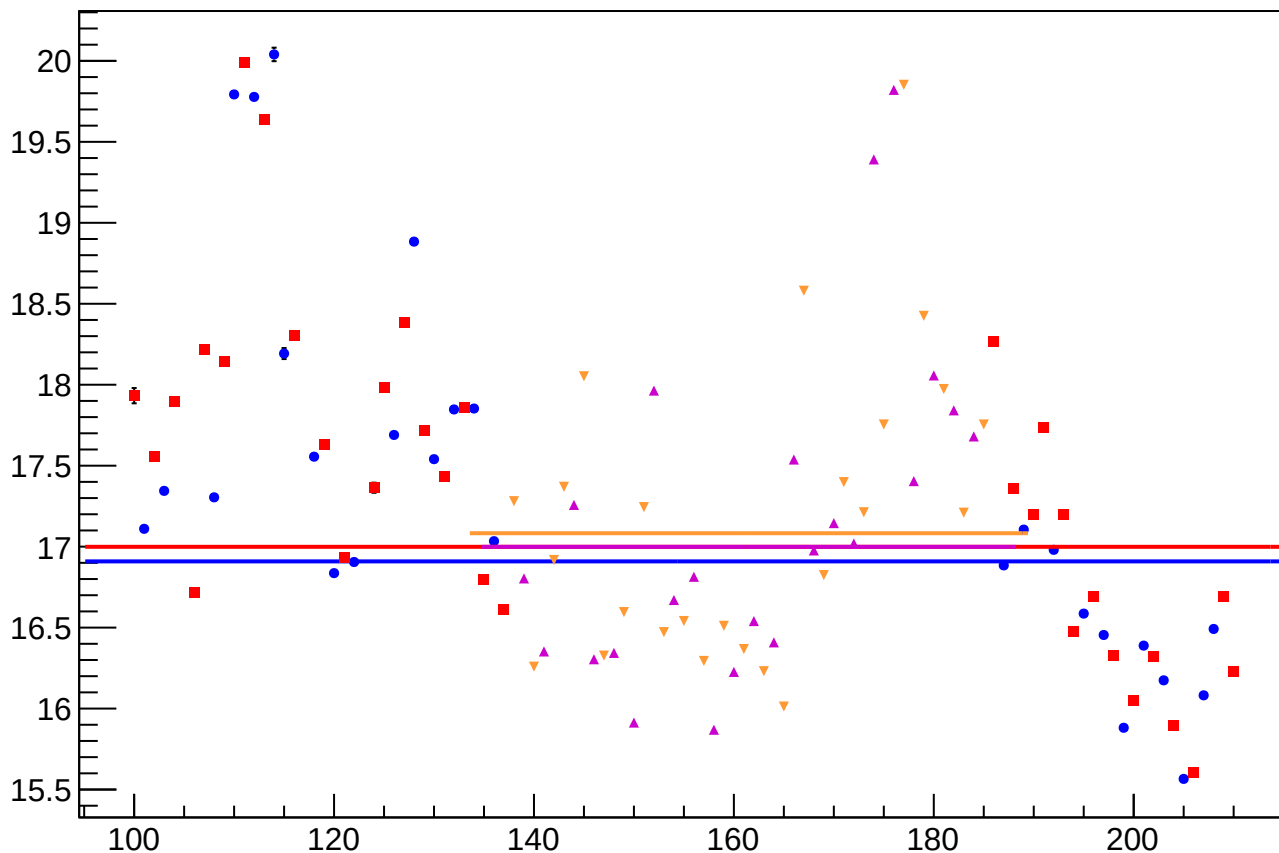
Left In: -4.858 ± 3.980 χ^2/NDF : 35.5/22

+ sign -0.551 ± 2.872 χ^2/NDF : 21.4/51

All: -2.807 ± 2.012 χ^2/NDF : 96.4/107

- sign -4.984 ± 2.821 χ^2/NDF : 73.8/55

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.909 $\pm$ 0.003 χ^2 /NDF: 99289.6/26

Left Out: 17.083 $\pm$ 0.003 χ^2 /NDF: 96774.9/24

Right Out: 16.999 $\pm$ 0.003 χ^2 /NDF: 113362.4/32

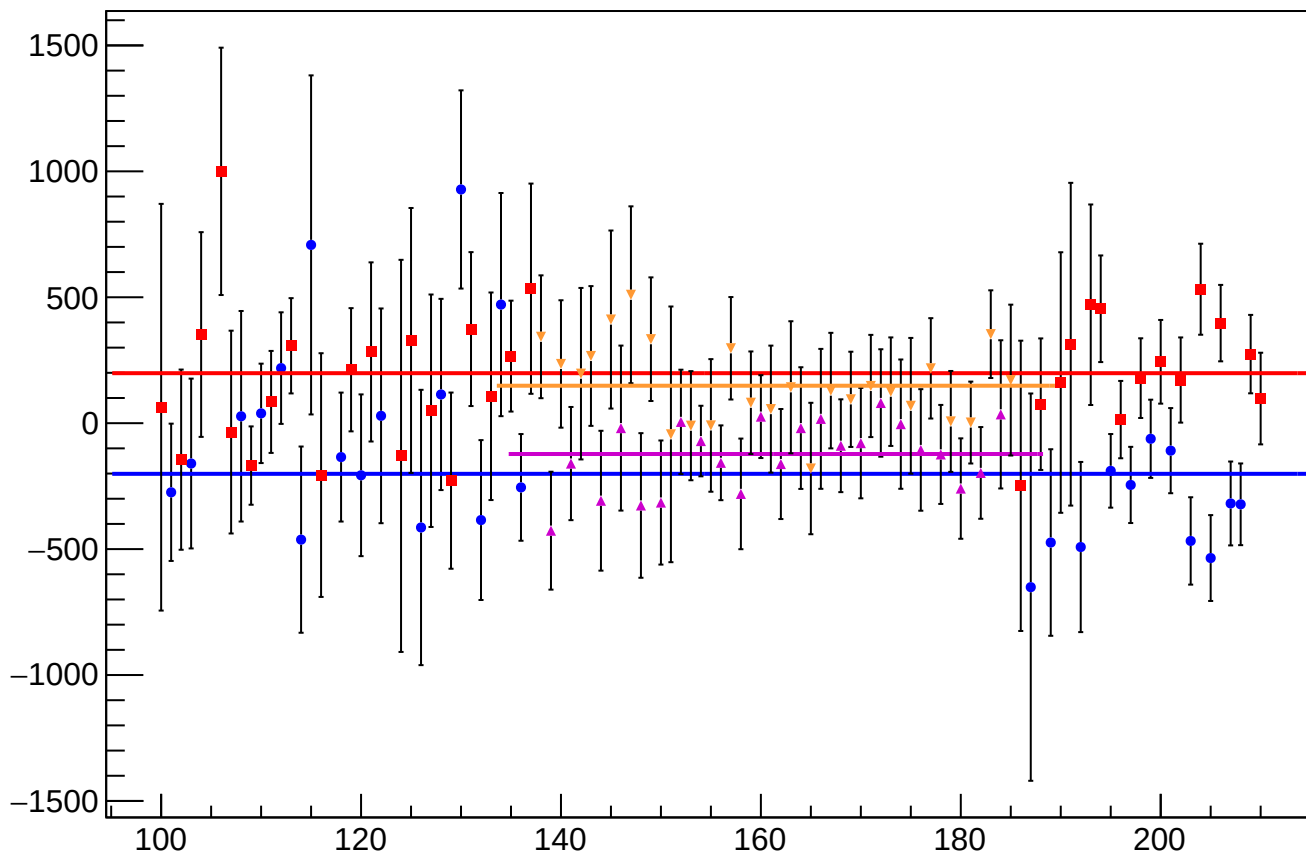
Left In: 16.999 $\pm$ 0.003 χ^2 /NDF: 104021.0/22

+ sign 17.004 $\pm$ 0.002 χ^2 /NDF: 197883.4/51

All: 17.001 $\pm$ 0.001 χ^2 /NDF: 415269.8/107

- sign 16.999 $\pm$ 0.002 χ^2 /NDF: 217383.4/55

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -201.094 $\pm$ 44.970 χ^2 /NDF: 30.0/26

Left Out: 148.758 $\pm$ 46.714 χ^2 /NDF: 9.5/24

Right Out: 198.536 $\pm$ 42.224 χ^2 /NDF: 24.0/32

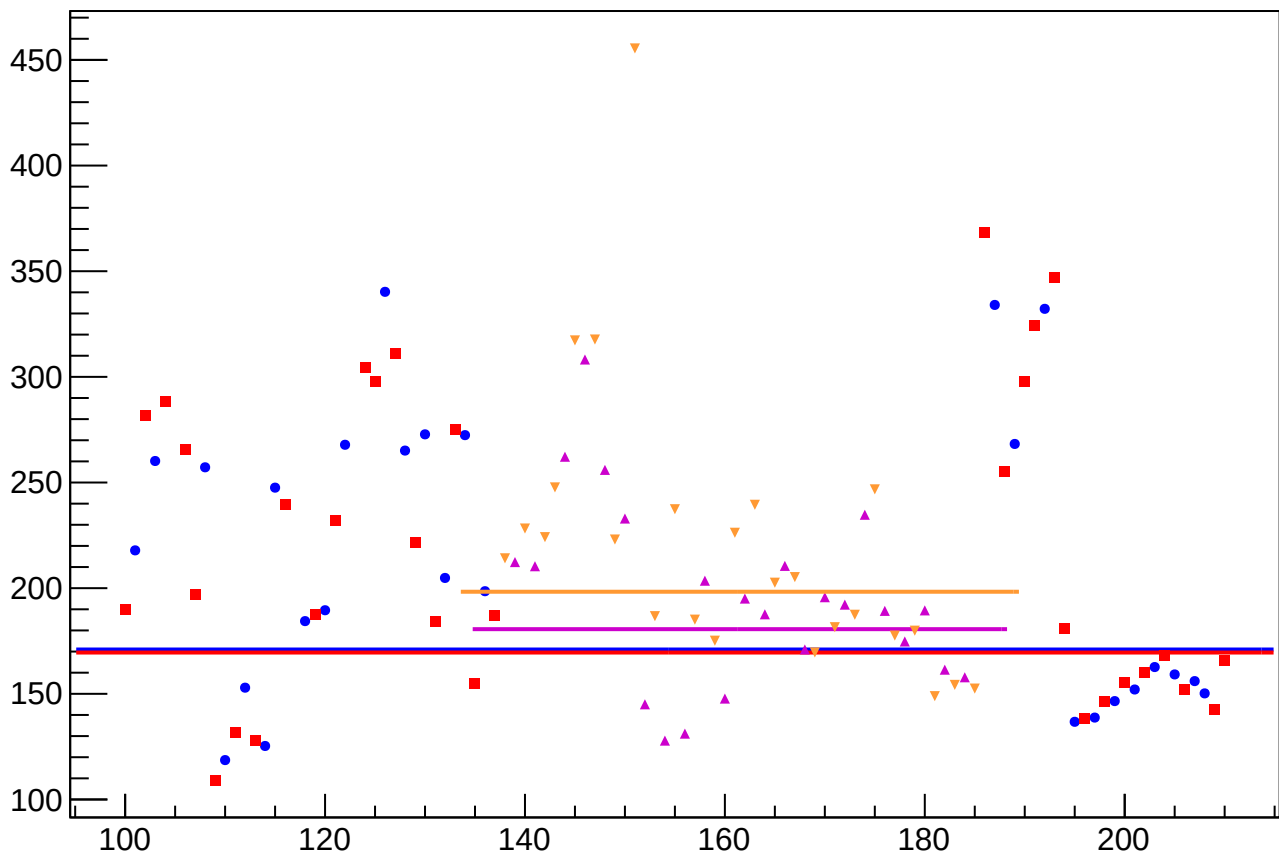
Left In: -122.376 $\pm$ 44.081 χ^2 /NDF: 7.9/22

+ sign -32.819 $\pm$ 32.398 χ^2 /NDF: 68.6/51

All: 8.437 $\pm$ 22.204 χ^2 /NDF: 131.2/107

- sign 44.982 $\pm$ 30.492 χ^2 /NDF: 59.5/55

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.974 $\pm$ 0.032 χ^2 /NDF: 2241758.6/26

Left Out: 198.313 $\pm$ 0.033 χ^2 /NDF:1790279.4/24

Right Out: 169.542 $\pm$ 0.030 χ^2 /NDF: 2930248.1/32

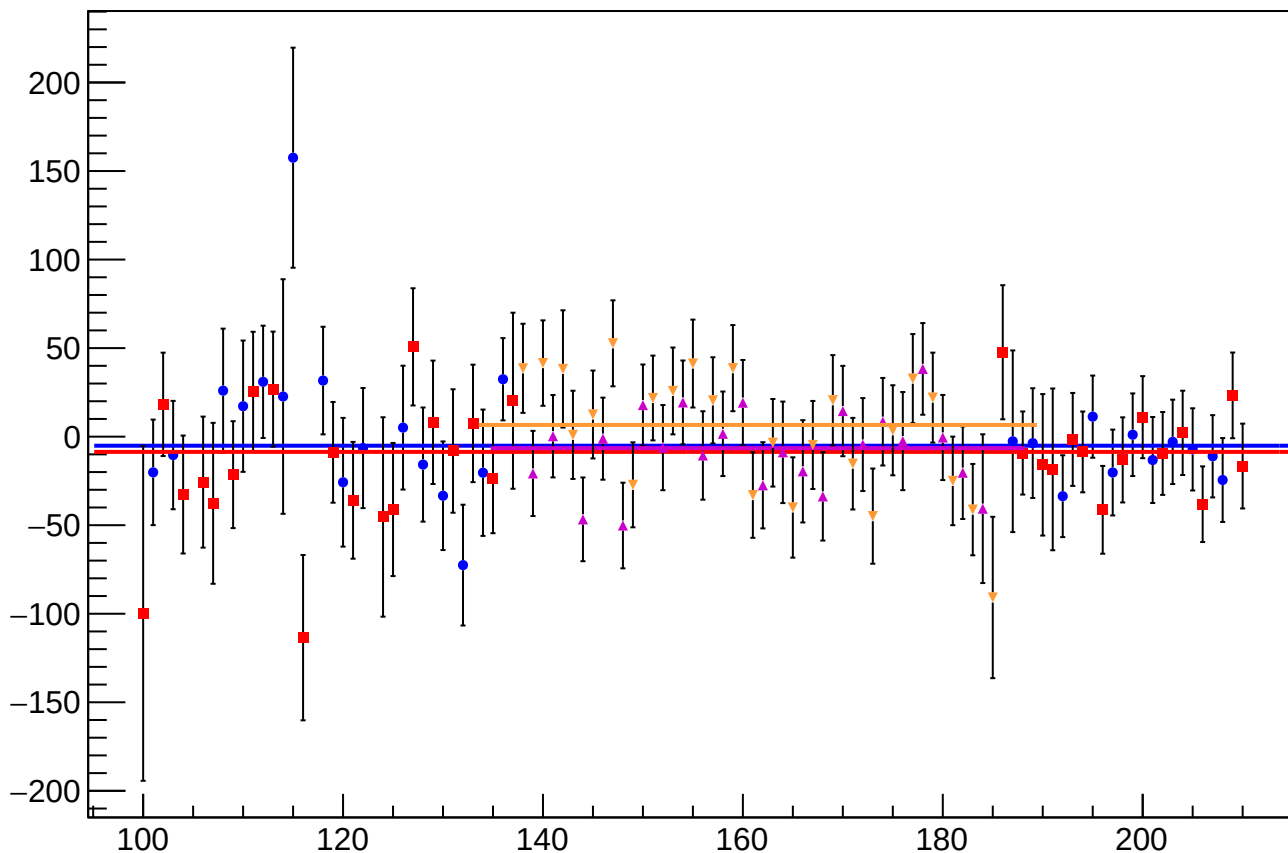
Left In: 180.601 $\pm$ 0.031 χ^2 /NDF:1628072.3/22

+ sign 184.124 $\pm$ 0.023 χ^2 /NDF: 4387583.9/51

All: 179.198 $\pm$ 0.016 χ^2 /NDF: 9098758.7/107

- sign 174.834 $\pm$ 0.022 χ^2 /NDF: 4623973.6/55

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -5.117 ± 5.597 χ^2/NDF : 22.6/26

Left Out: 6.611 ± 5.117 χ^2/NDF : 36.9/24

Right Out: -8.604 ± 5.247 χ^2/NDF : 25.3/32

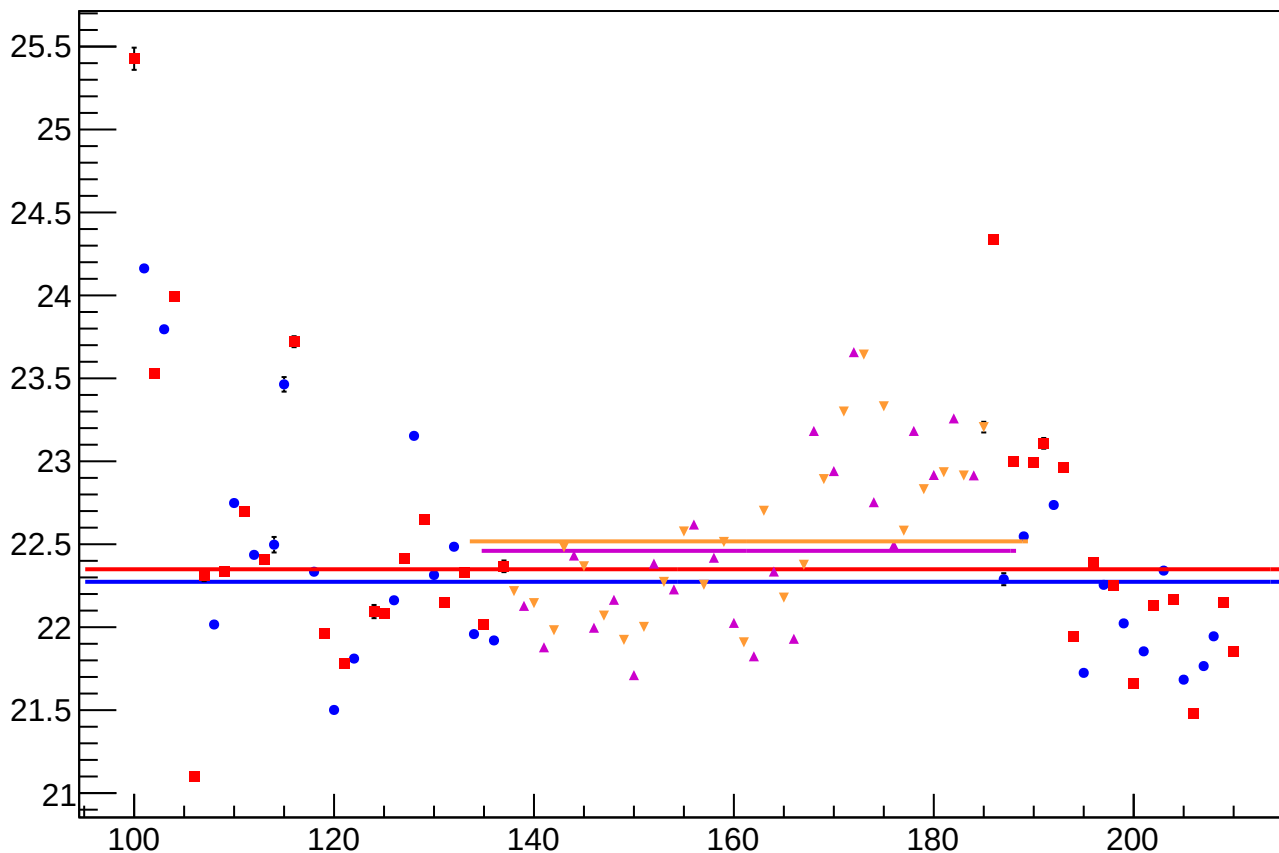
Left In: -6.482 ± 5.247 χ^2/NDF : 17.4/22

+ sign 1.272 ± 3.777 χ^2/NDF : 61.9/51

All: -3.214 ± 2.647 χ^2/NDF : 107.5/107

- sign -7.543 ± 3.710 χ^2/NDF : 42.8/55

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.274 $\pm$ 0.004 χ^2/NDF : 23287.3/26

Left Out: 22.517 $\pm$ 0.004 χ^2/NDF : 16002.5/24

Right Out: 22.349 $\pm$ 0.004 χ^2/NDF : 32301.8/32

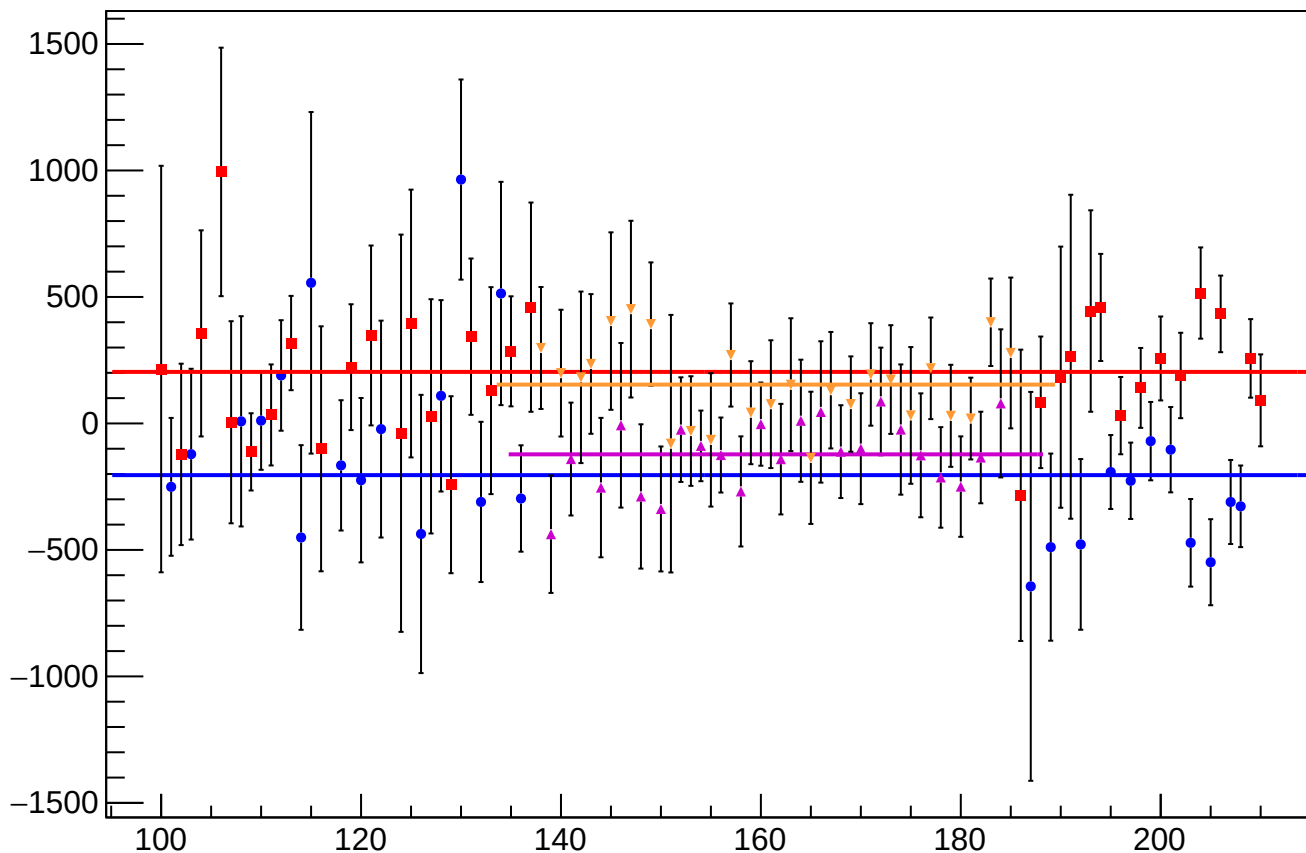
Left In: 22.460 $\pm$ 0.004 χ^2/NDF : 19117.2/22

+ sign 22.406 $\pm$ 0.003 χ^2/NDF : 41356.8/51

All: 22.406 $\pm$ 0.002 χ^2/NDF : 93223.6/107

- sign 22.405 $\pm$ 0.003 χ^2/NDF : 51866.6/55

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -204.349 ± 44.833 χ^2/NDF : 29.5/26

Left Out: 153.507 ± 46.636 χ^2/NDF : 10.1/24

Right Out: 203.721 ± 42.050 χ^2/NDF : 22.6/32

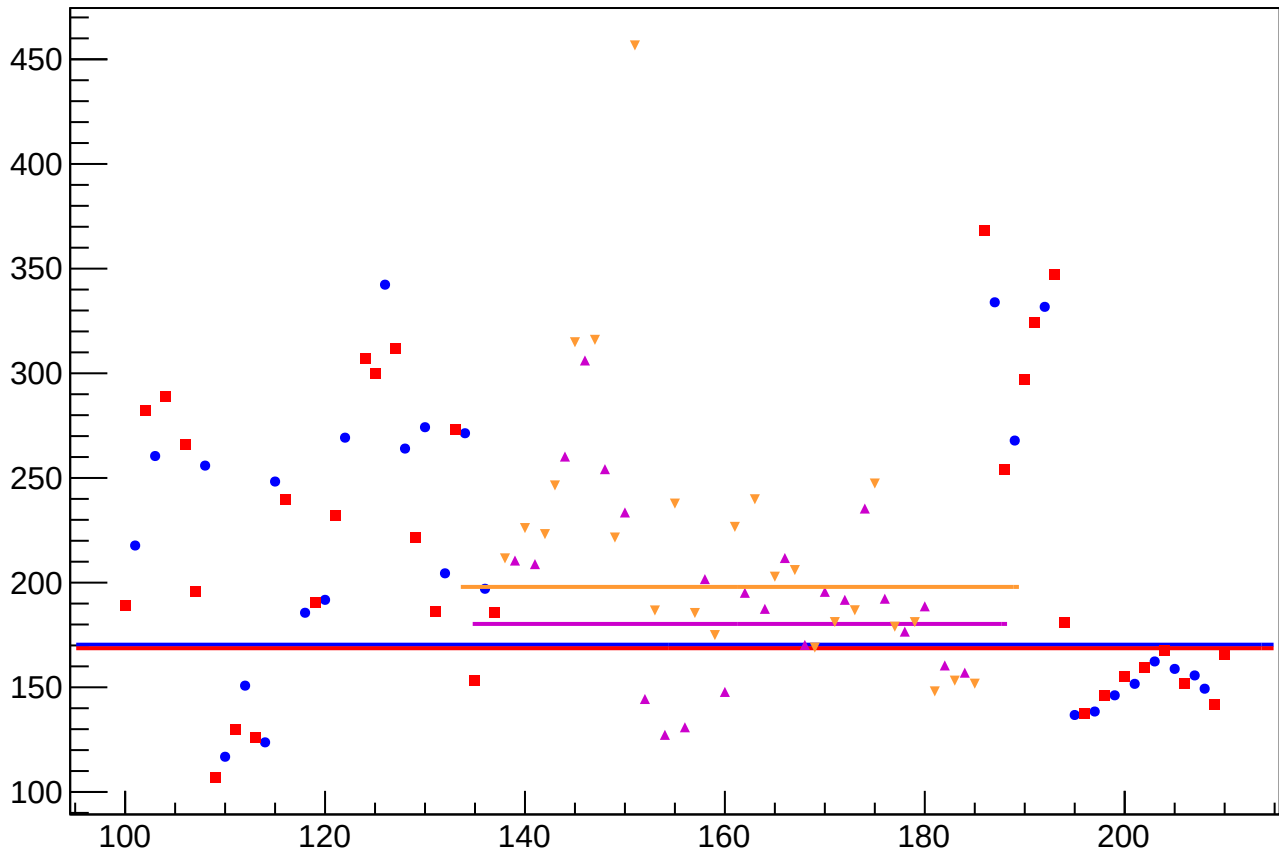
Left In: -122.165 ± 44.006 χ^2/NDF : 7.5/22

+ sign -32.470 ± 32.320 χ^2/NDF : 70.2/51

All: 10.319 ± 22.145 χ^2/NDF : 132.2/107

- sign 48.180 ± 30.402 χ^2/NDF : 58.7/55

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.358 $\pm$ 0.032 χ^2 /NDF: 2272220.3/26

Left Out: 197.957 $\pm$ 0.033 χ^2 /NDF:1791354.6/24

Right Out: 168.656 $\pm$ 0.030 χ^2 /NDF: 3000414.0/32

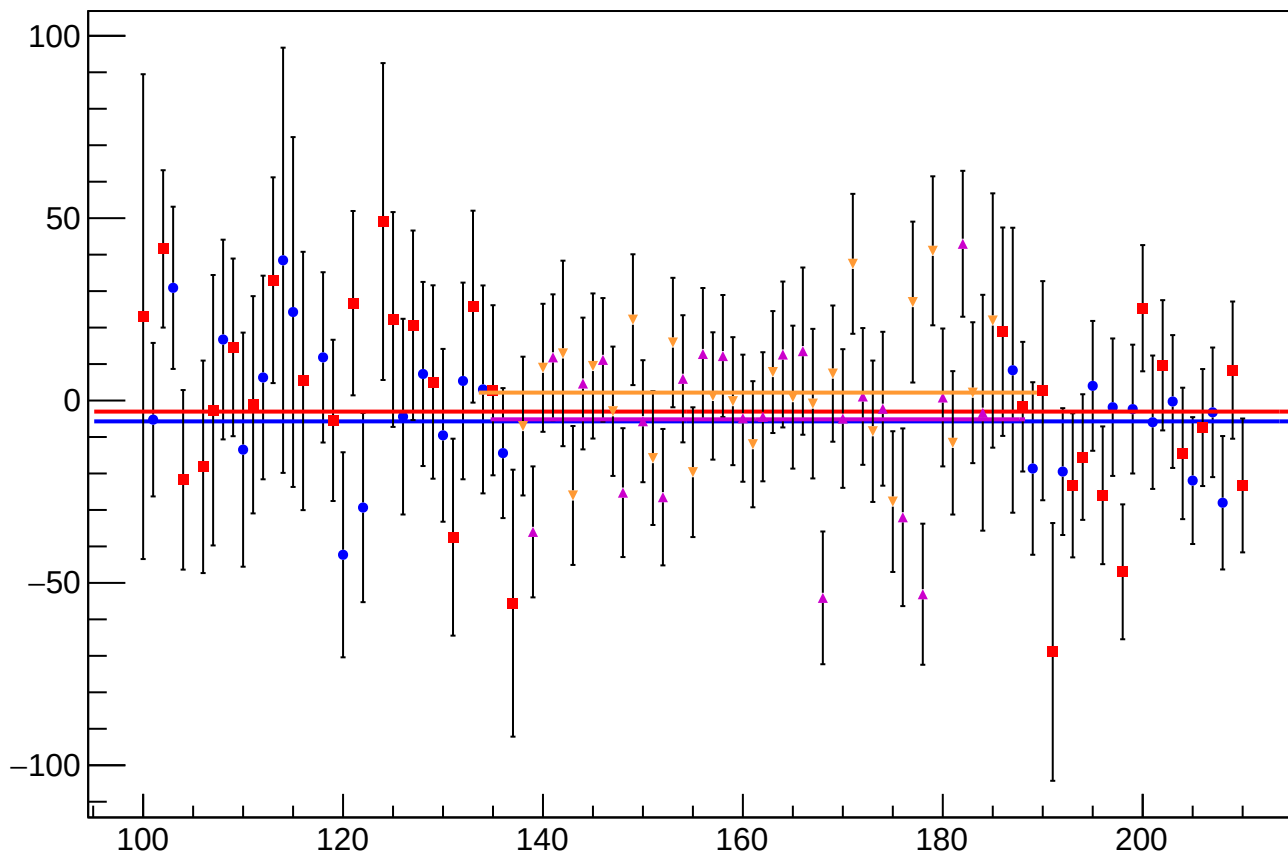
Left In: 180.274 $\pm$ 0.031 χ^2 /NDF:1624682.7/22

+ sign 183.614 $\pm$ 0.023 χ^2 /NDF: 4427615.0/51

All: 178.620 $\pm$ 0.016 χ^2 /NDF: 9215571.1/107

- sign 174.201 $\pm$ 0.021 χ^2 /NDF: 4697964.9/55

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -5.713 ± 4.300 $\chi^2/\text{NDF}: 12.4/26$

Left Out: 2.174 ± 3.825 $\chi^2/\text{NDF}: 20.0/24$

Right Out: -3.031 ± 4.029 $\chi^2/\text{NDF}: 35.0/32$

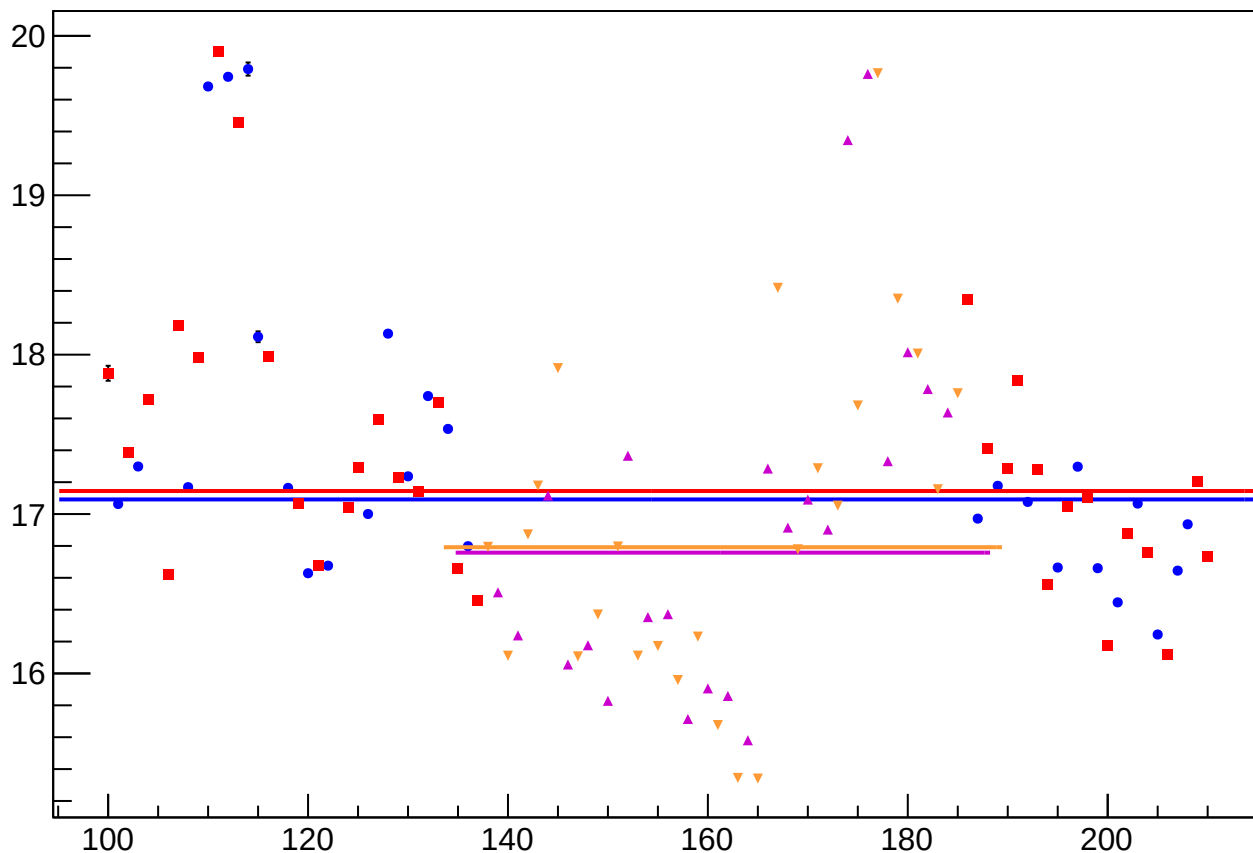
Left In: -5.150 ± 3.924 $\chi^2/\text{NDF}: 32.3/22$

+ sign -1.310 ± 2.858 $\chi^2/\text{NDF}: 34.2/51$

All: -2.737 ± 2.004 $\chi^2/\text{NDF}: 102.1/107$

- sign -4.119 ± 2.811 $\chi^2/\text{NDF}: 67.4/55$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.092 ± 0.003 $\chi^2/\text{NDF}: 54502.3/26$

Left Out: 16.792 ± 0.003 $\chi^2/\text{NDF}: 137000.5/24$

Right Out: 17.145 ± 0.003 $\chi^2/\text{NDF}: 65832.2/32$

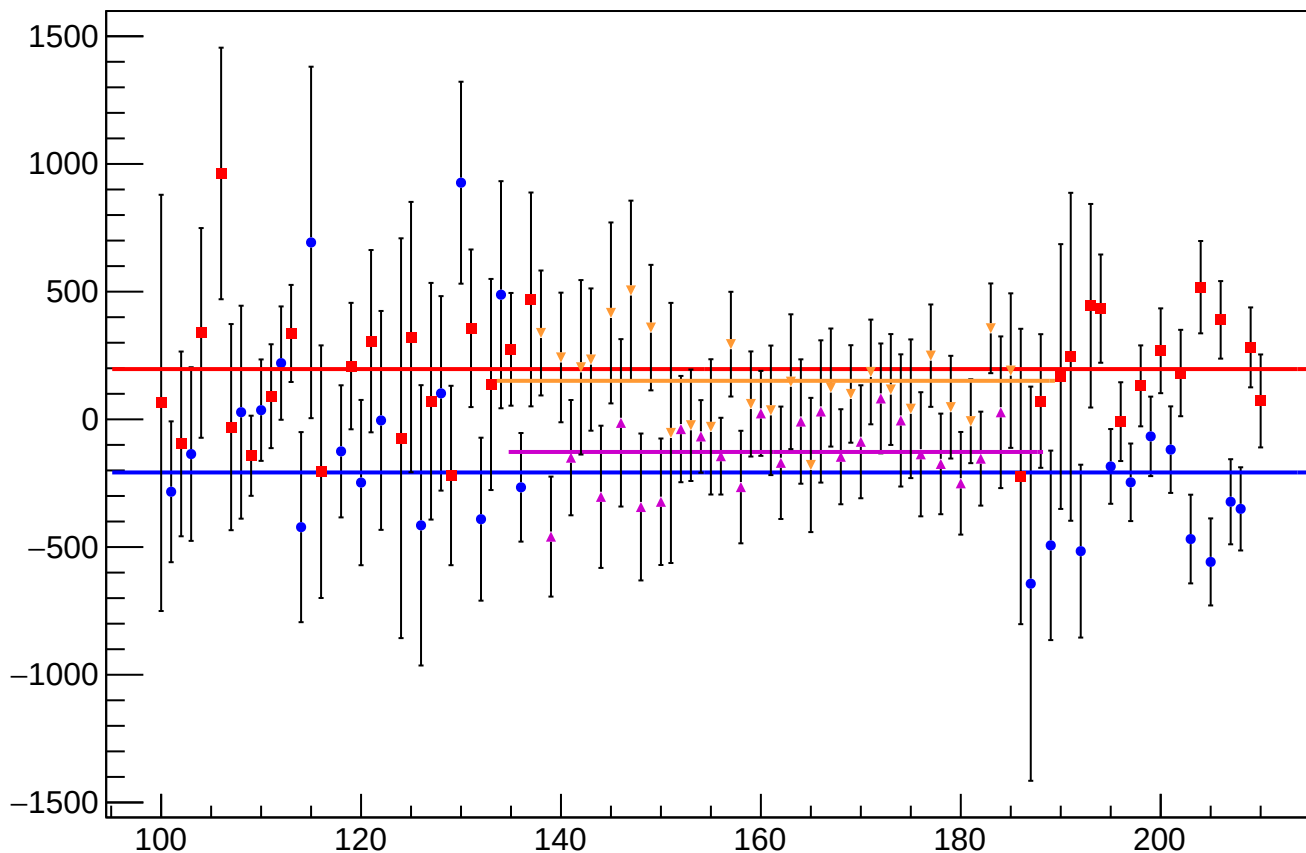
Left In: 16.758 ± 0.003 $\chi^2/\text{NDF}: 123306.8/22$

+ sign 16.924 ± 0.002 $\chi^2/\text{NDF}: 196926.6/51$

All: 16.935 ± 0.001 $\chi^2/\text{NDF}: 395580.9/107$

- sign 16.946 ± 0.002 $\chi^2/\text{NDF}: 198595.7/55$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -207.913 $\pm$ 45.113 χ^2 /NDF: 30.6/26

Left Out: 150.884 $\pm$ 47.035 χ^2 /NDF:10.0/24

Right Out: 196.868 $\pm$ 42.366 χ^2 /NDF: 22.4/32

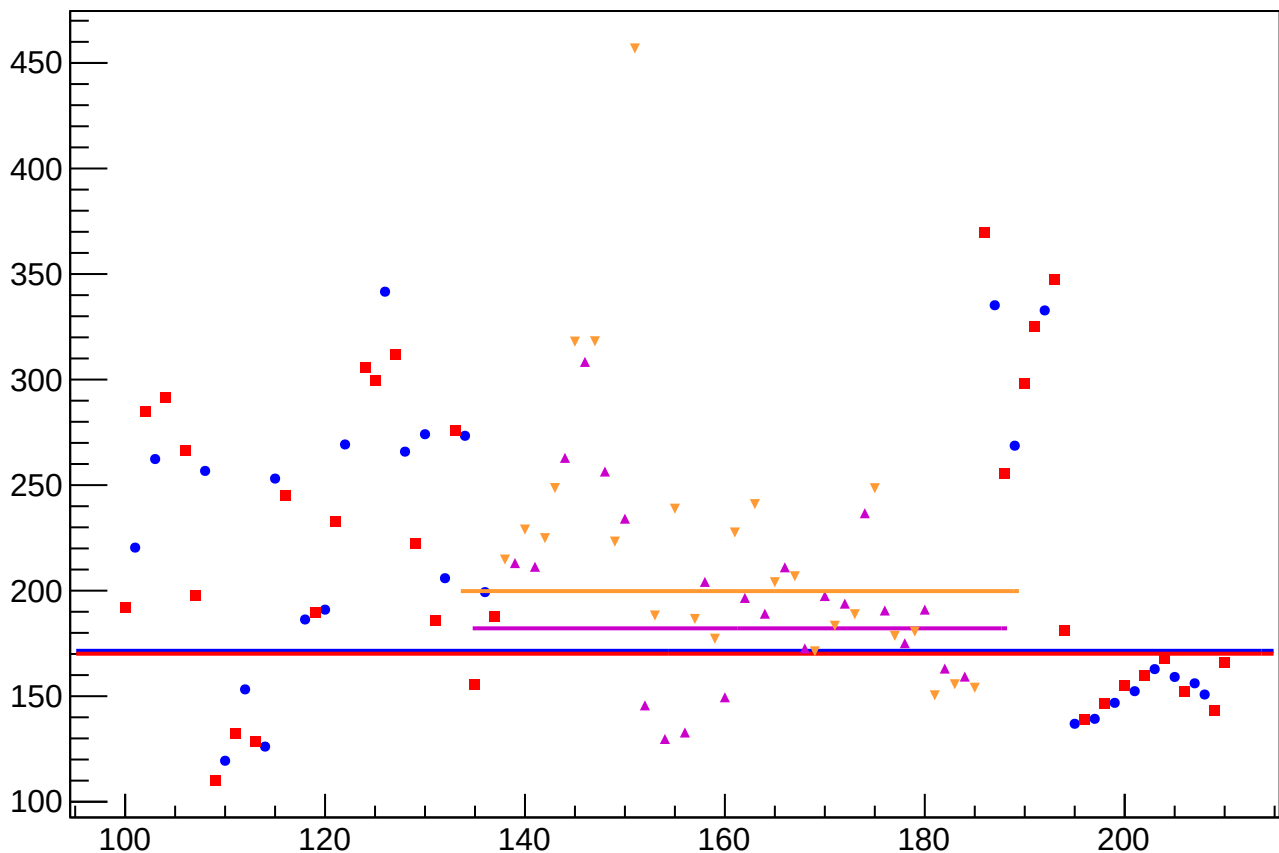
Left In: -127.710 $\pm$ 44.426 χ^2 /NDF:7.8/22

+ sign -35.994 $\pm$ 32.558 χ^2 /NDF: 70.9/51

All: 5.491 $\pm$ 22.321 χ^2 /NDF: 132.1/107

- sign 42.279 $\pm$ 30.660 χ^2 /NDF: 58.1/55

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 171.497 $\pm$ 0.032 χ^2 /NDF: 2252234.1/26

Left Out: 199.785 $\pm$ 0.033 χ^2 /NDF:1760326.2/24

Right Out: 170.131 $\pm$ 0.030 χ^2 /NDF: 2933598.5/32

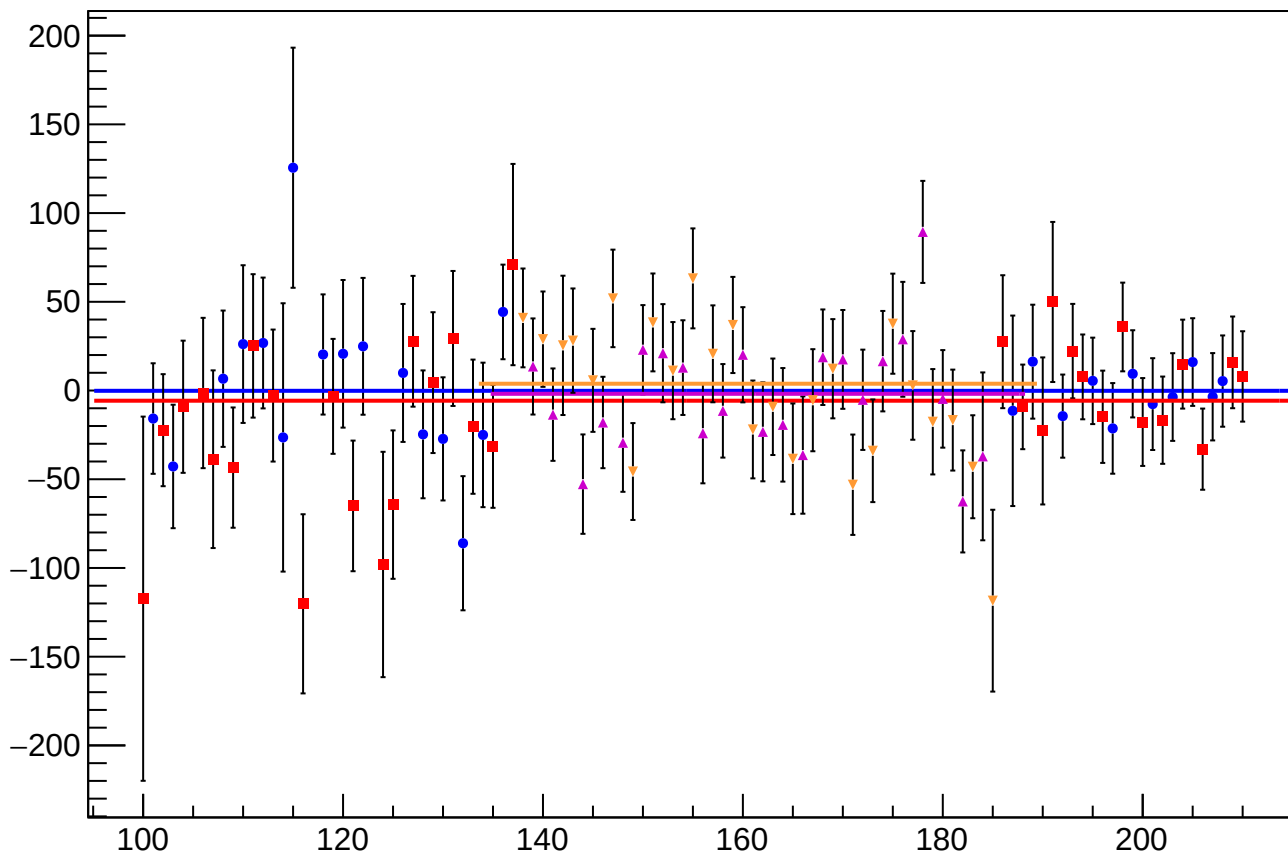
Left In: 182.150 $\pm$ 0.031 χ^2 /NDF:1584358.1/22

+ sign 185.051 $\pm$ 0.023 χ^2 /NDF: 4389352.2/51

All: 180.177 $\pm$ 0.016 χ^2 /NDF: 9068523.9/107

- sign 175.856 $\pm$ 0.022 χ^2 /NDF: 4594617.5/55

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.161 ± 6.062 χ^2/NDF : 18.9/26

Left Out: 3.831 ± 5.789 χ^2/NDF : 37.6/24

Right Out: -5.743 ± 5.642 χ^2/NDF : 30.2/32

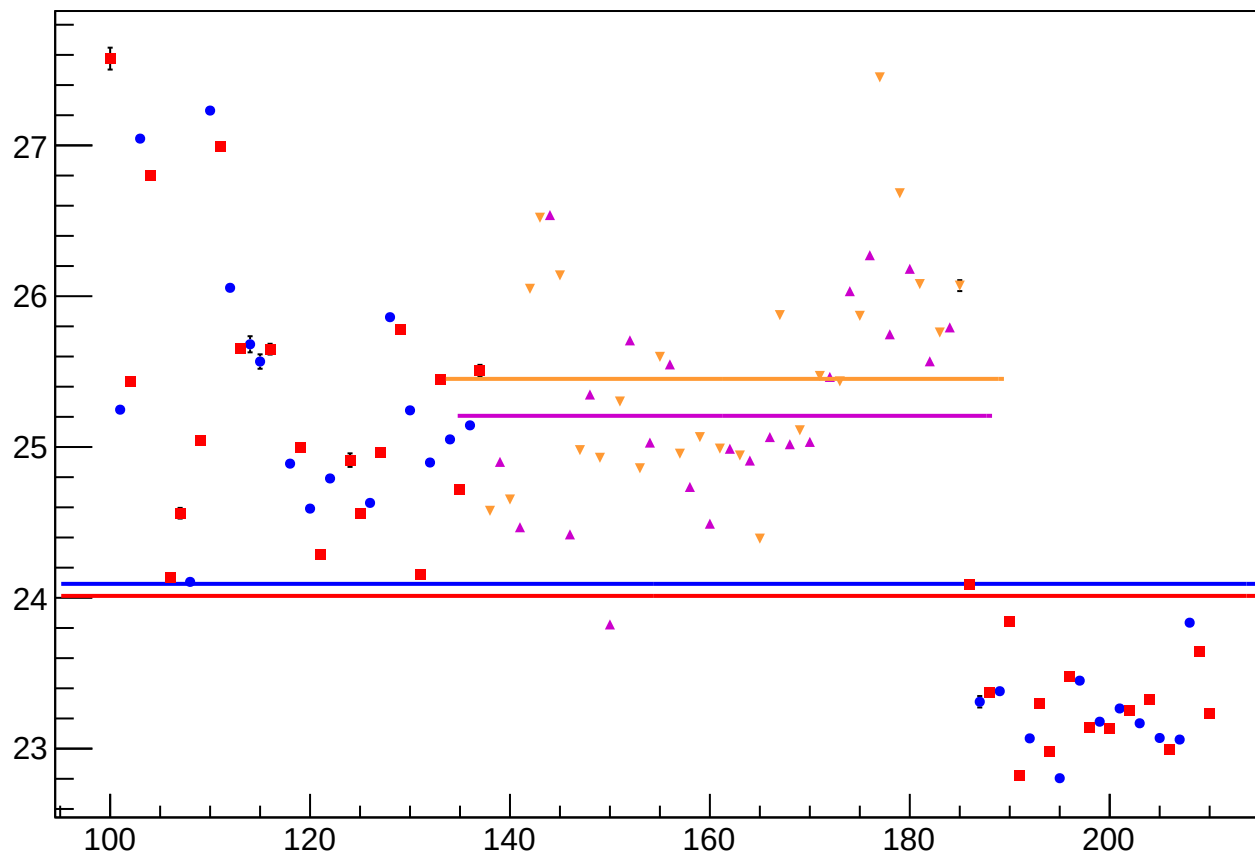
Left In: -1.850 ± 5.893 χ^2/NDF : 28.1/22

+ sign 1.927 ± 4.186 χ^2/NDF : 56.8/51

All: -1.055 ± 2.920 χ^2/NDF : 116.2/107

- sign -3.881 ± 4.076 χ^2/NDF : 58.5/55

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.093 $\pm$ 0.004 χ^2 /NDF: 76053.9/26

Left Out: 25.452 $\pm$ 0.004 χ^2 /NDF: 29612.4/24

Right Out: 24.013 $\pm$ 0.004 χ^2 /NDF: 73276.6/32

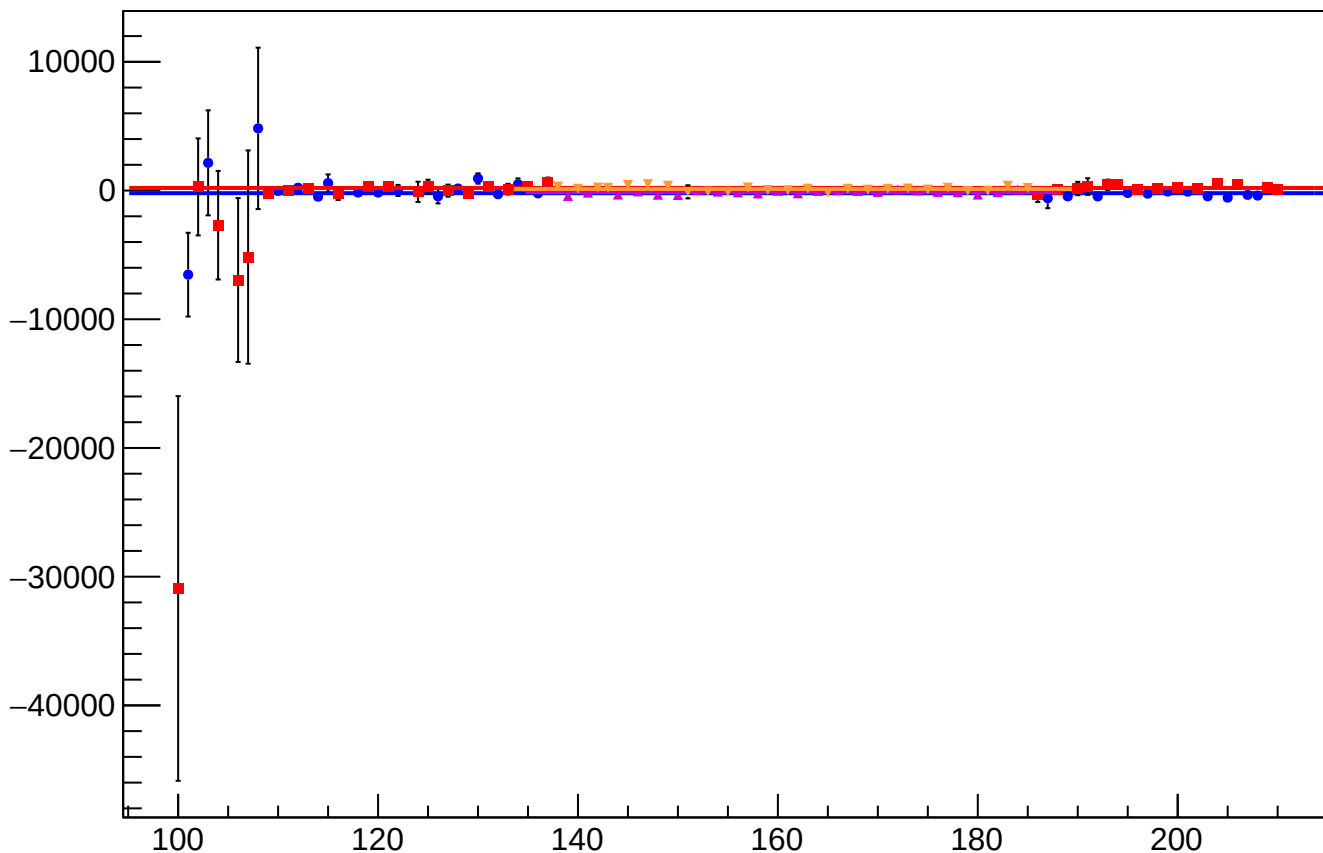
Left In: 25.207 $\pm$ 0.004 χ^2 /NDF: 25827.4/22

+ sign 24.804 $\pm$ 0.003 χ^2 /NDF: 158258.4/51

All: 24.691 $\pm$ 0.002 χ^2 /NDF: 303028.7/107

- sign 24.584 $\pm$ 0.003 χ^2 /NDF: 141943.1/55

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -205.764+/-47.225 χ^2/NDF : 33.3/26

Left Out: 125.161+/-46.925 χ^2/NDF : 11.1/24

Right Out: 202.165+/-44.755 χ^2/NDF : 25.1/32

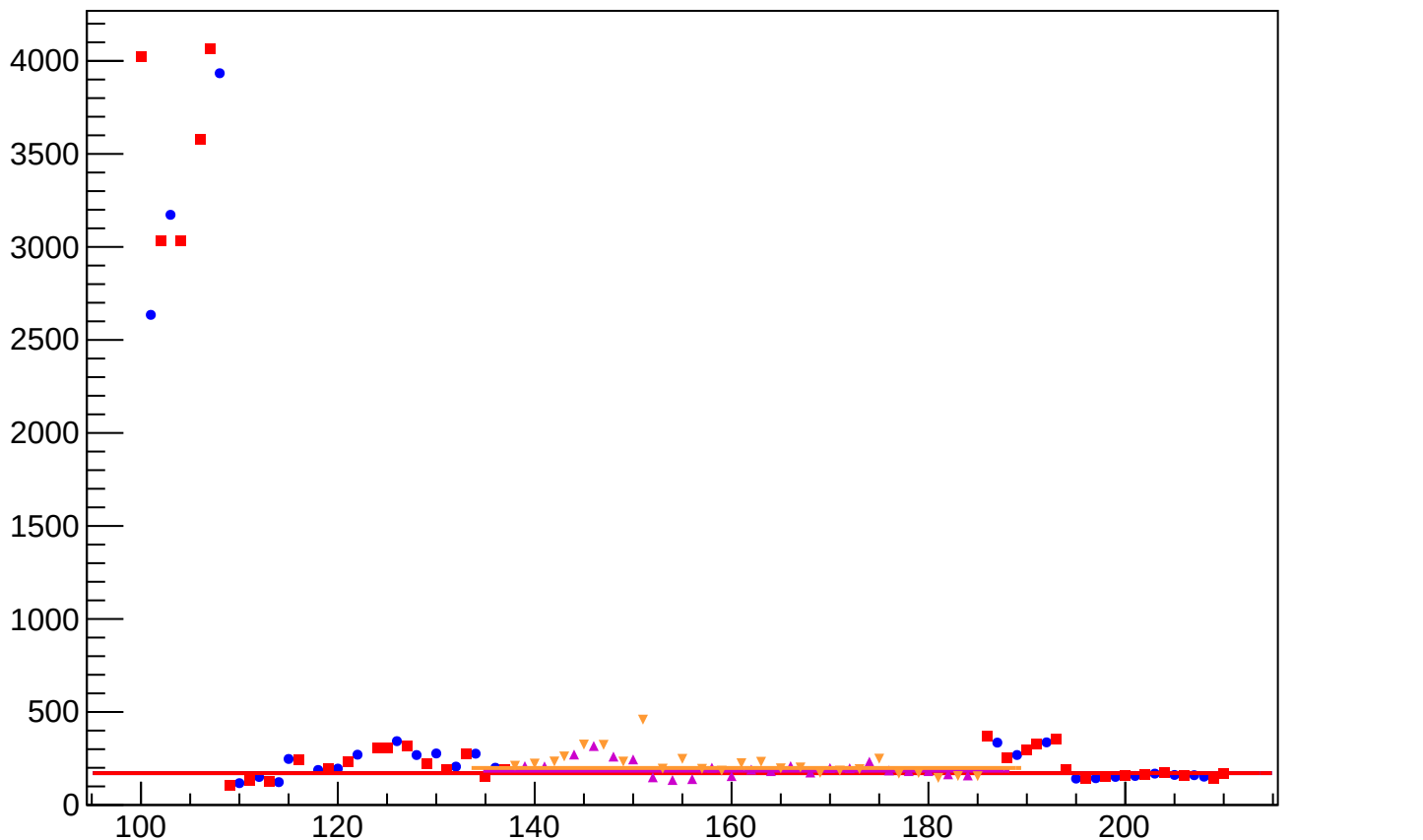
Left In: -117.291+/-44.871 χ^2/NDF : 8.0/22

+ sign -39.249+/-33.287 χ^2/NDF : 69.1/51

All: 3.821+/-22.951 χ^2/NDF : 130.8/107

- sign 42.852+/-31.688 χ^2/NDF : 58.5/55

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.508 $\pm$ 0.033 χ^2 /NDF: 4856617.7/26

Left Out: 198.994 $\pm$ 0.033 χ^2 /NDF: 1902155.1/24

Right Out: 171.374 $\pm$ 0.032 χ^2 /NDF: 5575824.7/32

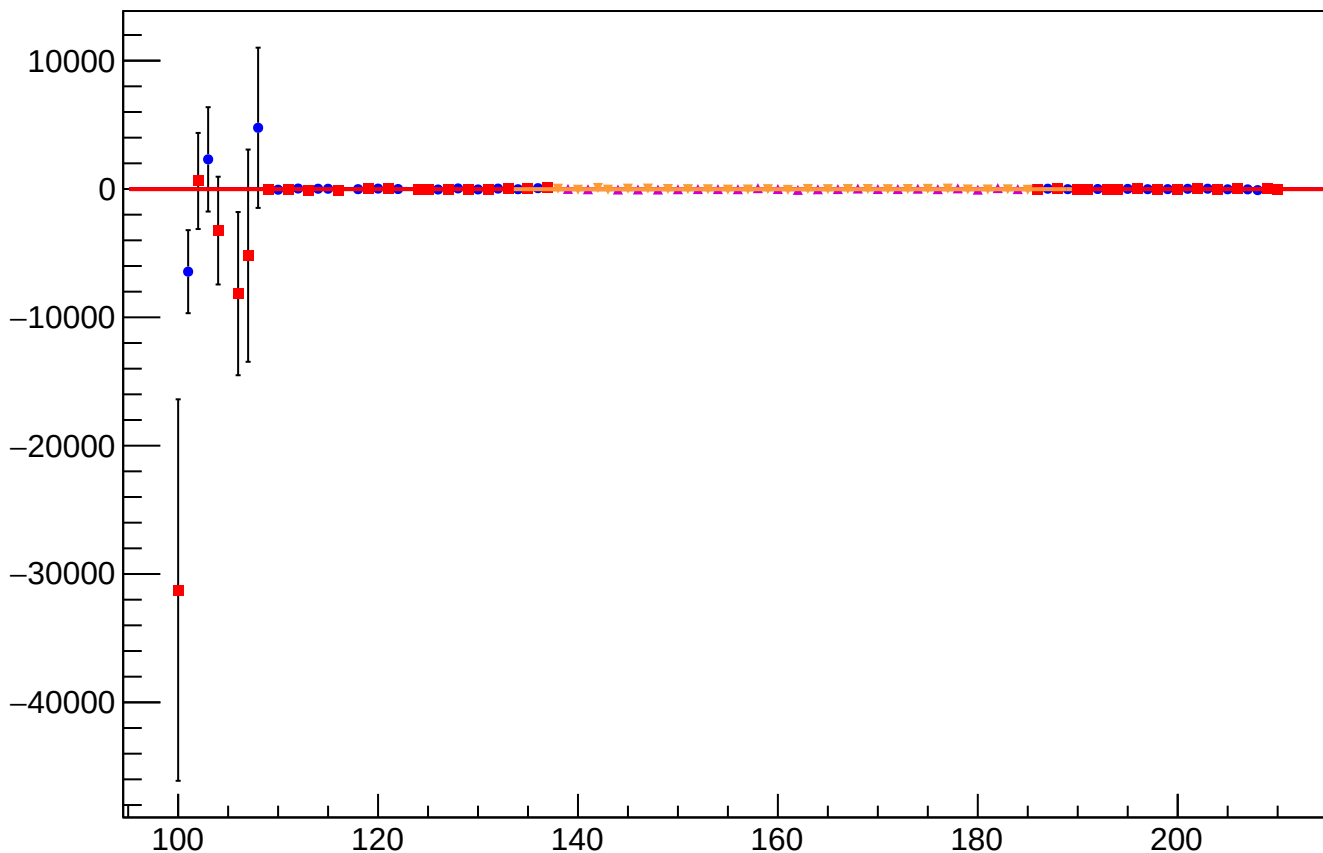
Left In: 184.399 $\pm$ 0.032 χ^2 /NDF: 1446306.0/22

+ sign 185.339 $\pm$ 0.024 χ^2 /NDF: 7099666.1/51

All: 181.420 $\pm$ 0.016 χ^2 /NDF: 14259094.0/10

- sign 177.870 $\pm$ 0.022 χ^2 /NDF: 7106602.8/55

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.979 ± 7.280 χ^2/NDF : 28.2/26

Left Out: -14.827 ± 6.512 χ^2/NDF : 22.2/24

Right Out: -9.303 ± 6.829 χ^2/NDF : 33.6/32

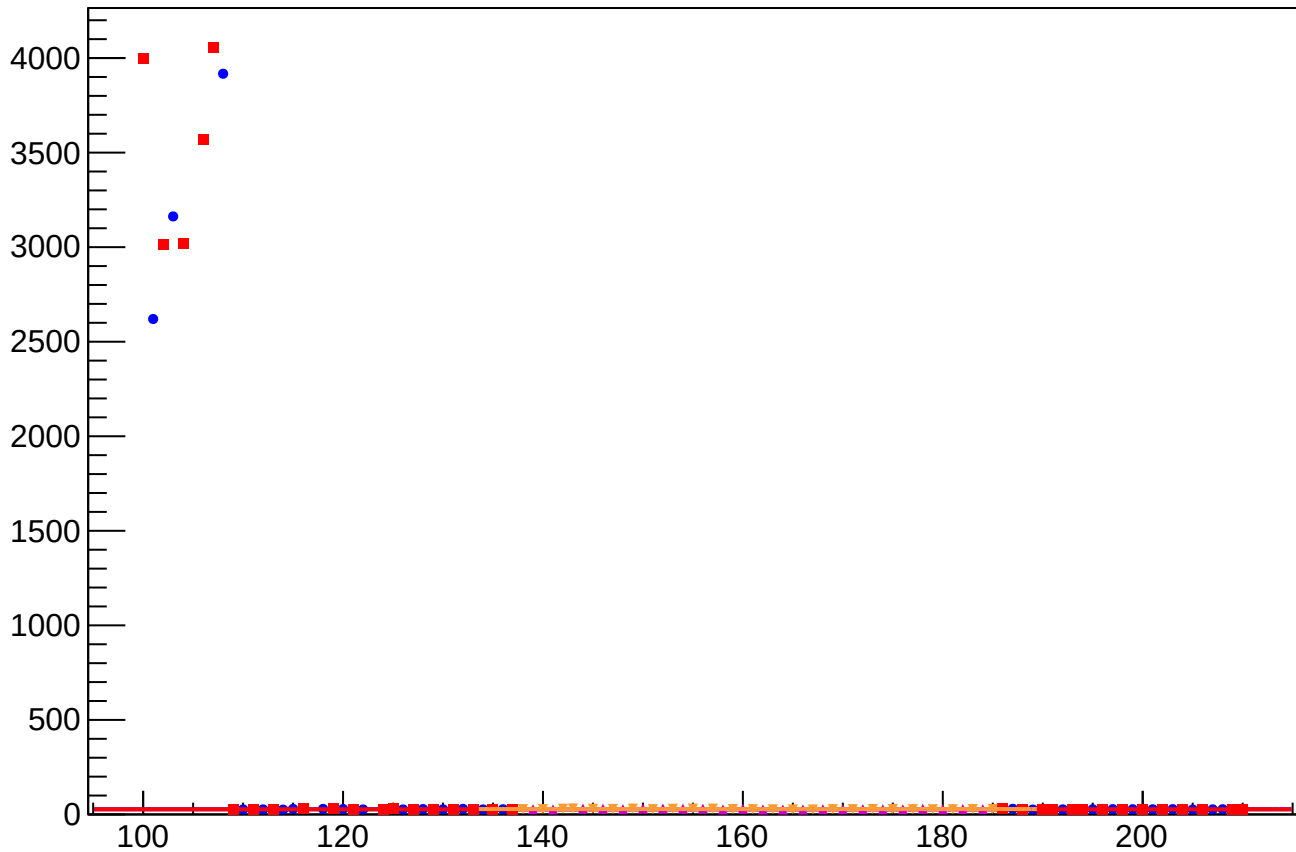
Left In: -2.172 ± 6.703 χ^2/NDF : 28.3/22

+ sign -10.006 ± 4.853 χ^2/NDF : 51.7/51

All: -7.807 ± 3.407 χ^2/NDF : 114.6/107

- sign -5.672 ± 4.784 χ^2/NDF : 62.5/55

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.414 $\pm$ 0.005 χ^2 /NDF: 3279588.5/26

Left Out: 28.586 $\pm$ 0.005 χ^2 /NDF: 88130.9/24

Right Out: 27.337 $\pm$ 0.005 χ^2 /NDF: 3593002.0/32

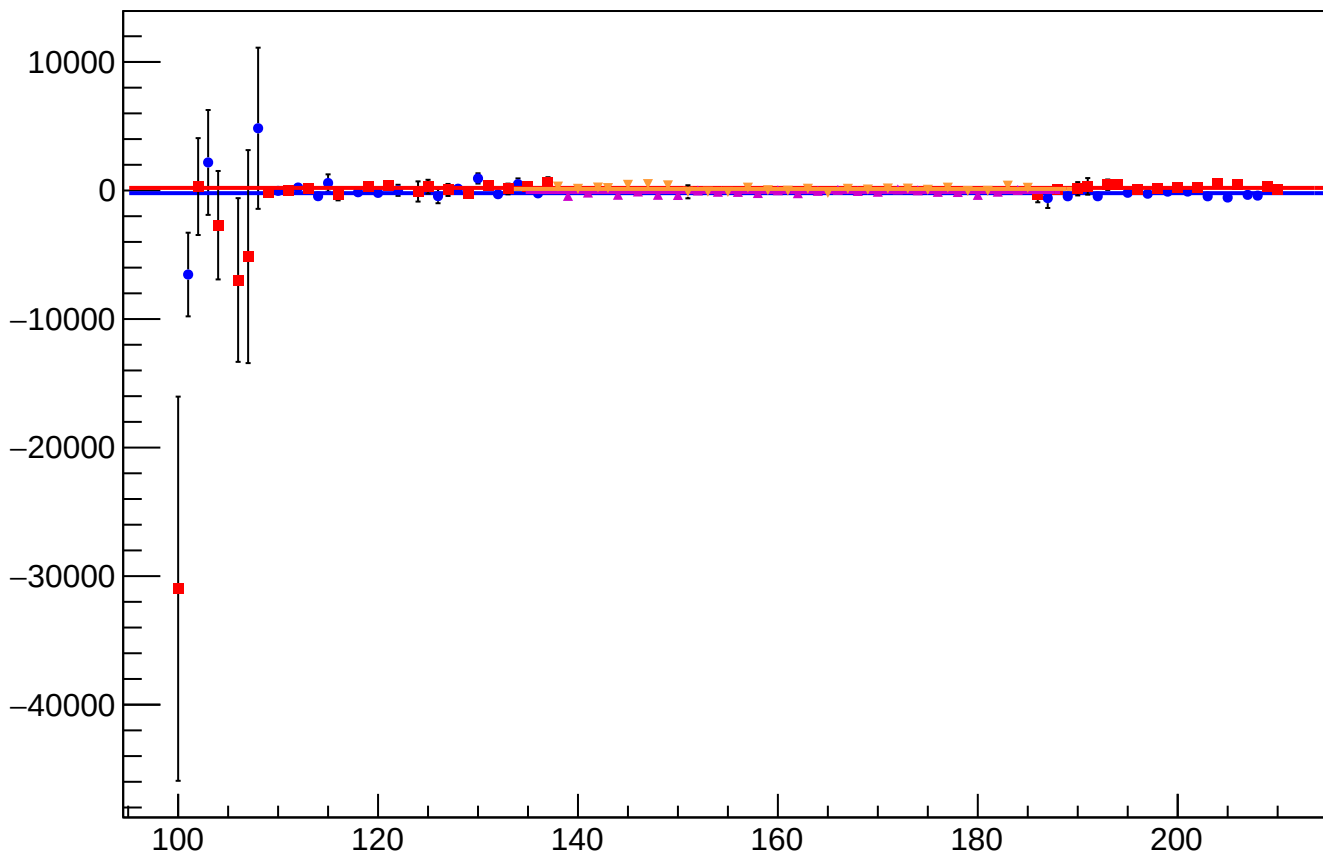
Left In: 28.606 $\pm$ 0.005 χ^2 /NDF: 122928.2/22

+ sign 28.065 $\pm$ 0.003 χ^2 /NDF: 3396508.0/51

All: 28.023 $\pm$ 0.002 χ^2 /NDF: 7147891.6/107

- sign 27.983 $\pm$ 0.003 χ^2 /NDF: 3751096.1/55

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -206.402 ± 47.086 χ^2/NDF : 33.7/26

Left Out: 121.915 ± 46.825 χ^2/NDF : 12.0/24

Right Out: 202.285 ± 44.628 χ^2/NDF : 25.6/32

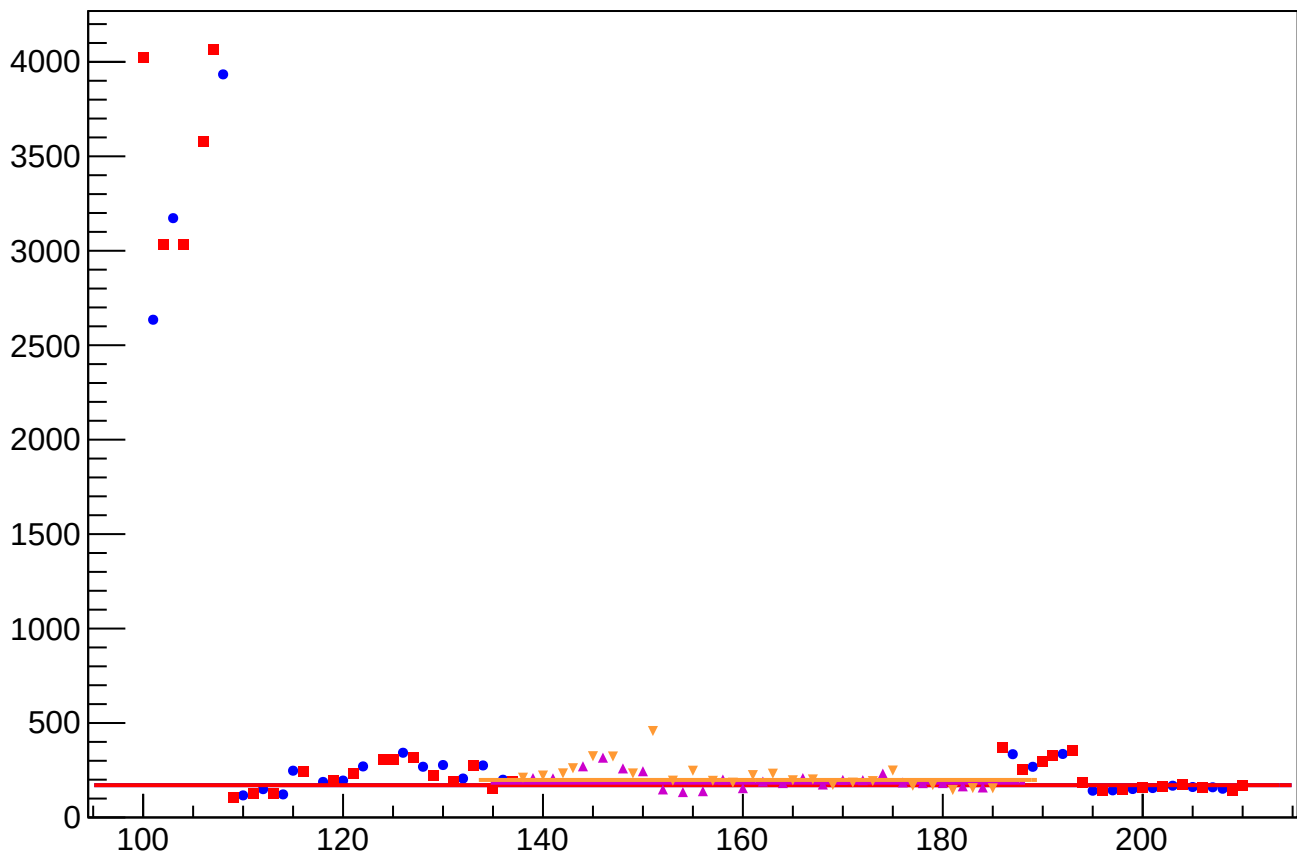
Left In: -116.243 ± 44.786 χ^2/NDF : 8.4/22

+ sign -41.329 ± 33.202 χ^2/NDF : 70.1/51

All: 3.209 ± 22.895 χ^2/NDF : 132.9/107

- sign 43.584 ± 31.612 χ^2/NDF : 59.4/55

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.964 $\pm$ 0.033 χ^2 /NDF: 4869849.7/26

Left Out: 198.571 $\pm$ 0.033 χ^2 /NDF:1901504.1/24

Right Out: 170.836 $\pm$ 0.032 χ^2 /NDF: 5594417.6/32

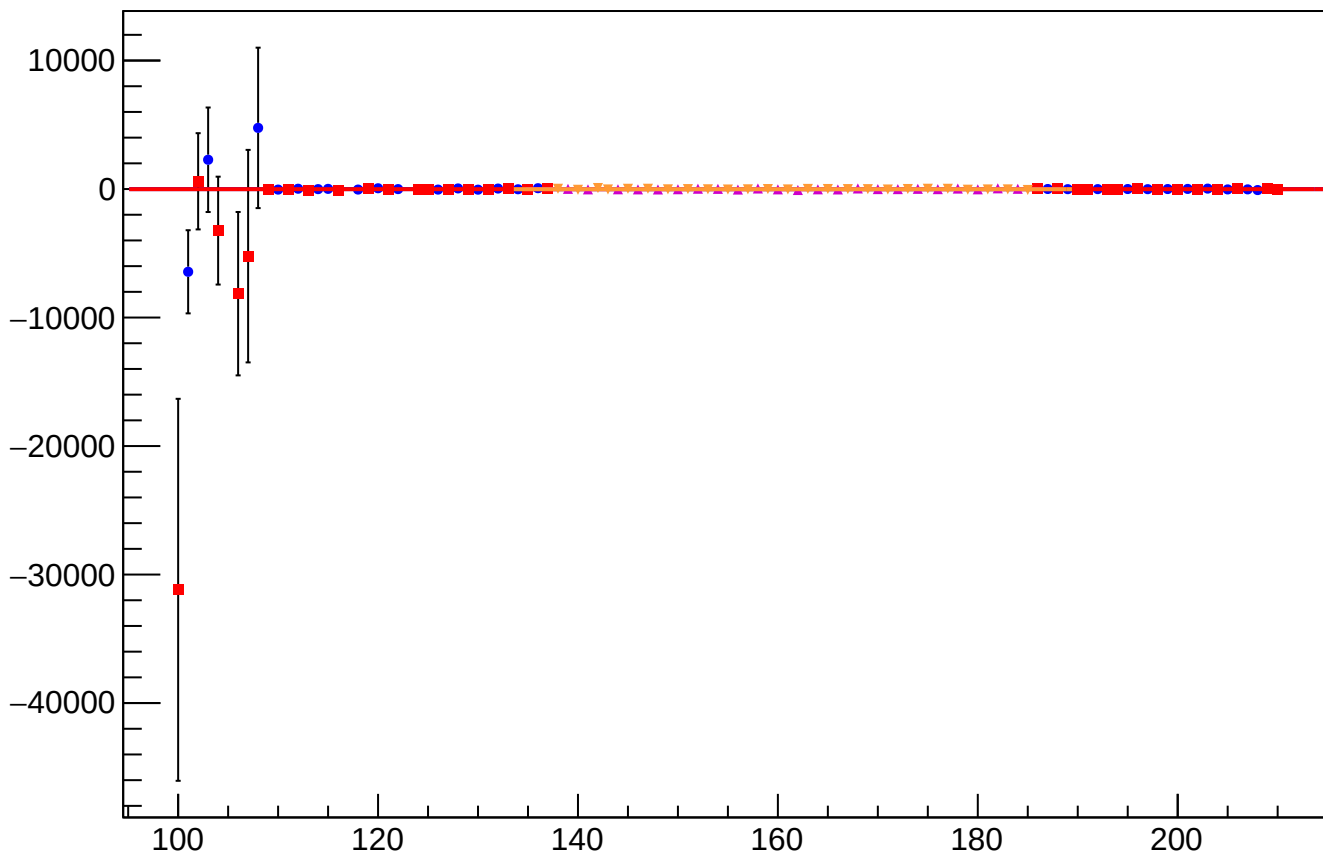
Left In: 184.051 $\pm$ 0.032 χ^2 /NDF:1445426.0/22

+ sign 184.844 $\pm$ 0.023 χ^2 /NDF: 7117006.9/51

All: 180.950 $\pm$ 0.016 χ^2 /NDF: 14296674.9/10

- sign 177.420 $\pm$ 0.022 χ^2 /NDF: 7127217.2/55

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.880 ± 7.257 χ^2/NDF : 28.9/26

Left Out: -11.862 ± 6.541 χ^2/NDF : 17.9/24

Right Out: -10.235 ± 6.807 χ^2/NDF : 33.5/32

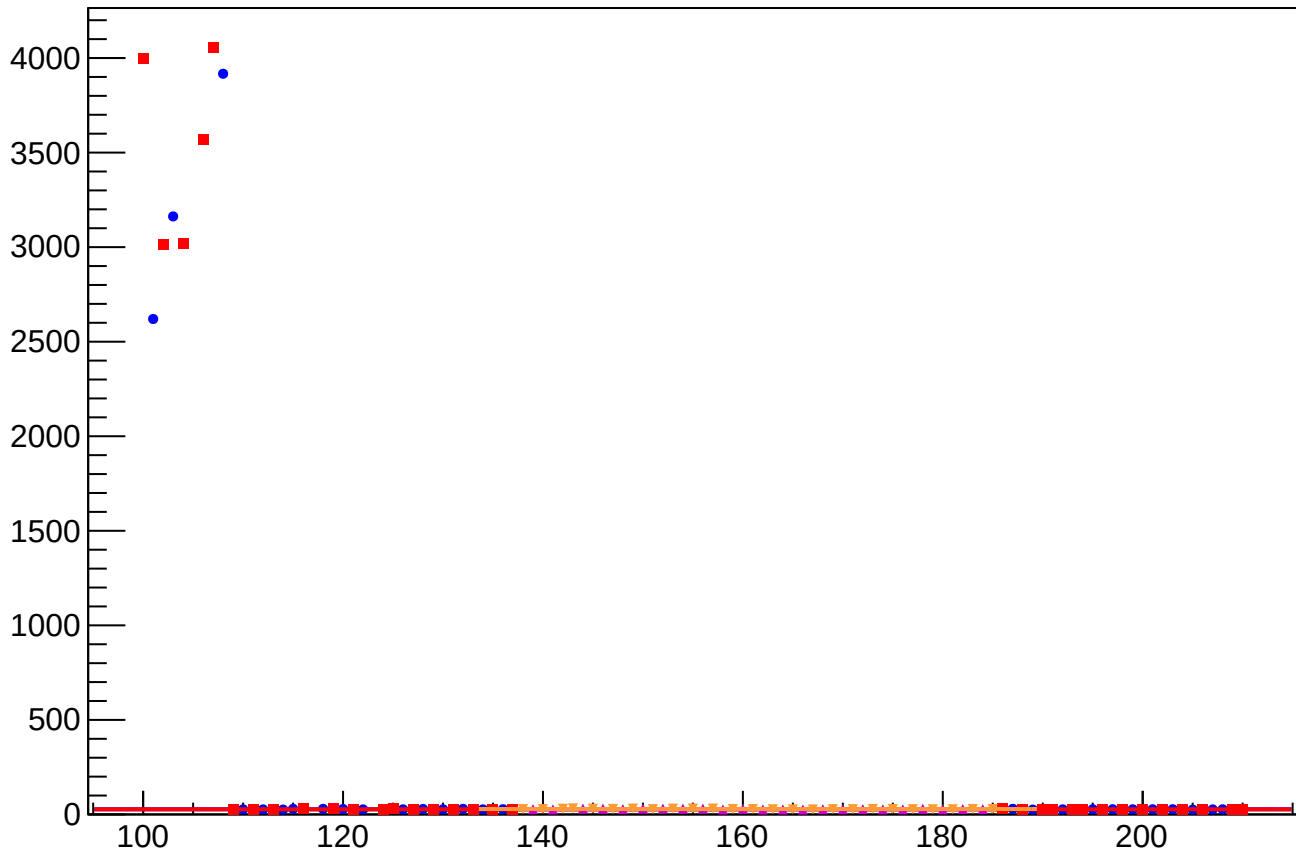
Left In: -2.576 ± 6.732 χ^2/NDF : 22.2/22

+ sign -8.733 ± 4.858 χ^2/NDF : 47.3/51

All: -7.530 ± 3.410 χ^2/NDF : 103.8/107

- sign -6.363 ± 4.787 χ^2/NDF : 56.3/55

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.321+/-0.005 χ^2/NDF : 3284730.6/26

Left Out: 28.707+/-0.005 χ^2/NDF : 98865.9/24

Right Out: 27.246+/-0.005 χ^2/NDF : 3597611.3/32

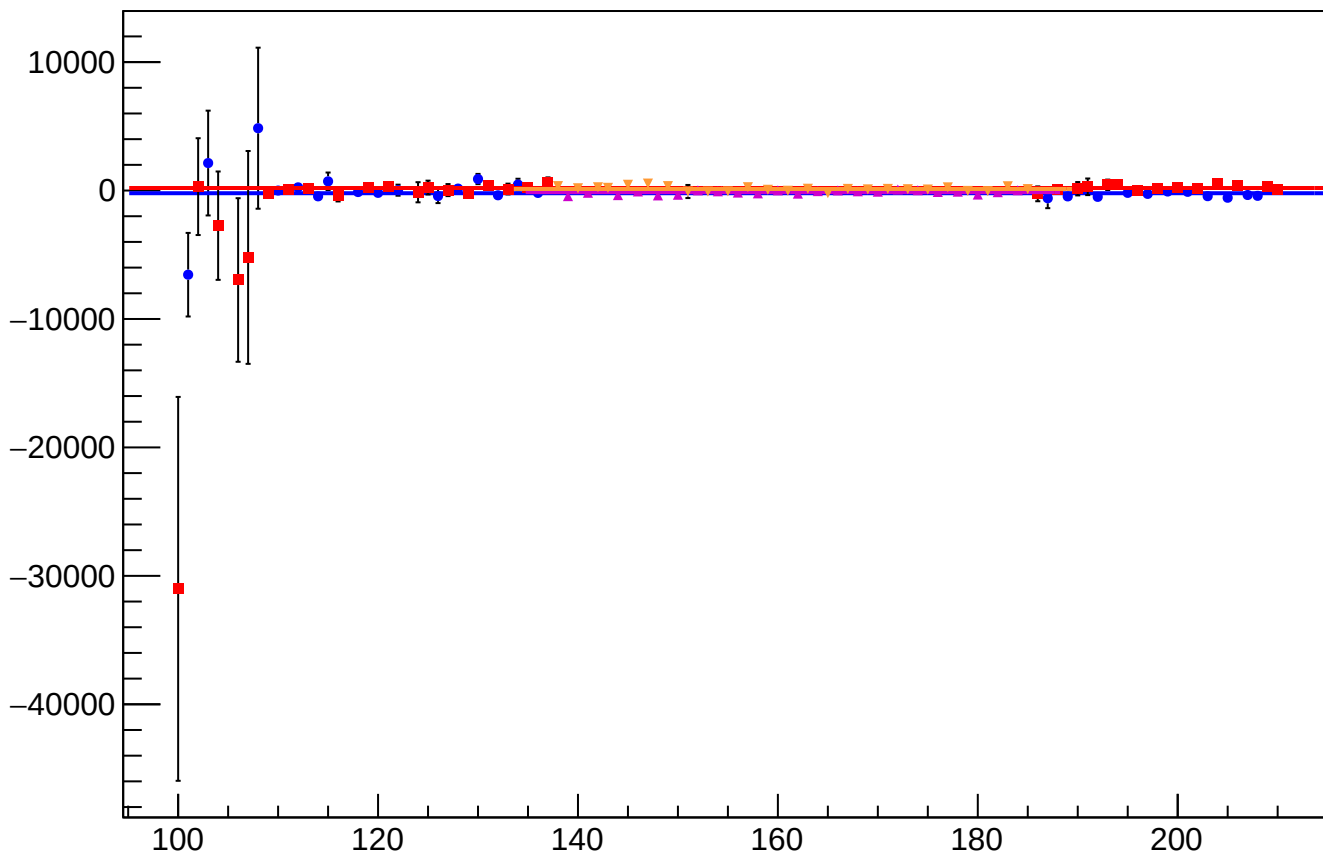
Left In: 28.728+/-0.005 χ^2/NDF : 127383.0/22

+ sign 28.086+/-0.003 χ^2/NDF : 3423893.3/51

All: 28.040+/-0.002 χ^2/NDF : 7197124.1/107

- sign 27.995+/-0.003 χ^2/NDF : 3772877.5/55

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -208.252 ± 47.439 χ^2/NDF : 34.6/26

Left Out: 122.864 ± 47.300 χ^2/NDF : 11.3/24

Right Out: 197.834 ± 44.971 χ^2/NDF : 24.2/32

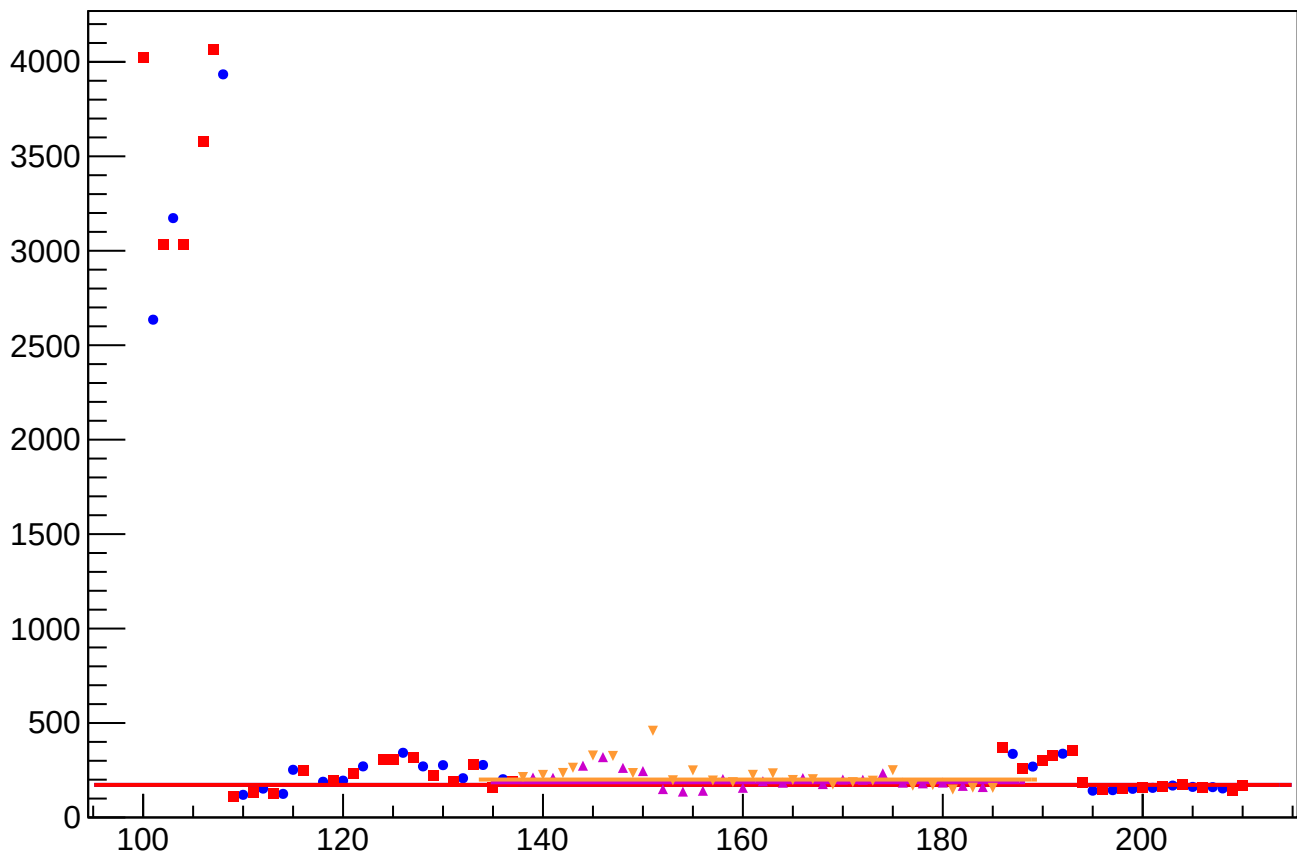
Left In: -123.046 ± 45.269 χ^2/NDF : 8.5/22

+ sign -42.208 ± 33.495 χ^2/NDF : 70.3/51

All: 0.084 ± 23.102 χ^2/NDF : 131.3/107

- sign 38.454 ± 31.904 χ^2/NDF : 58.0/55

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 172.359 $\pm$ 0.034 χ^2 /NDF: 4838093.6/26

Left Out: 200.686 $\pm$ 0.033 χ^2 /NDF:1880083.2/24

Right Out: 172.347 $\pm$ 0.032 χ^2 /NDF: 5532325.7/32

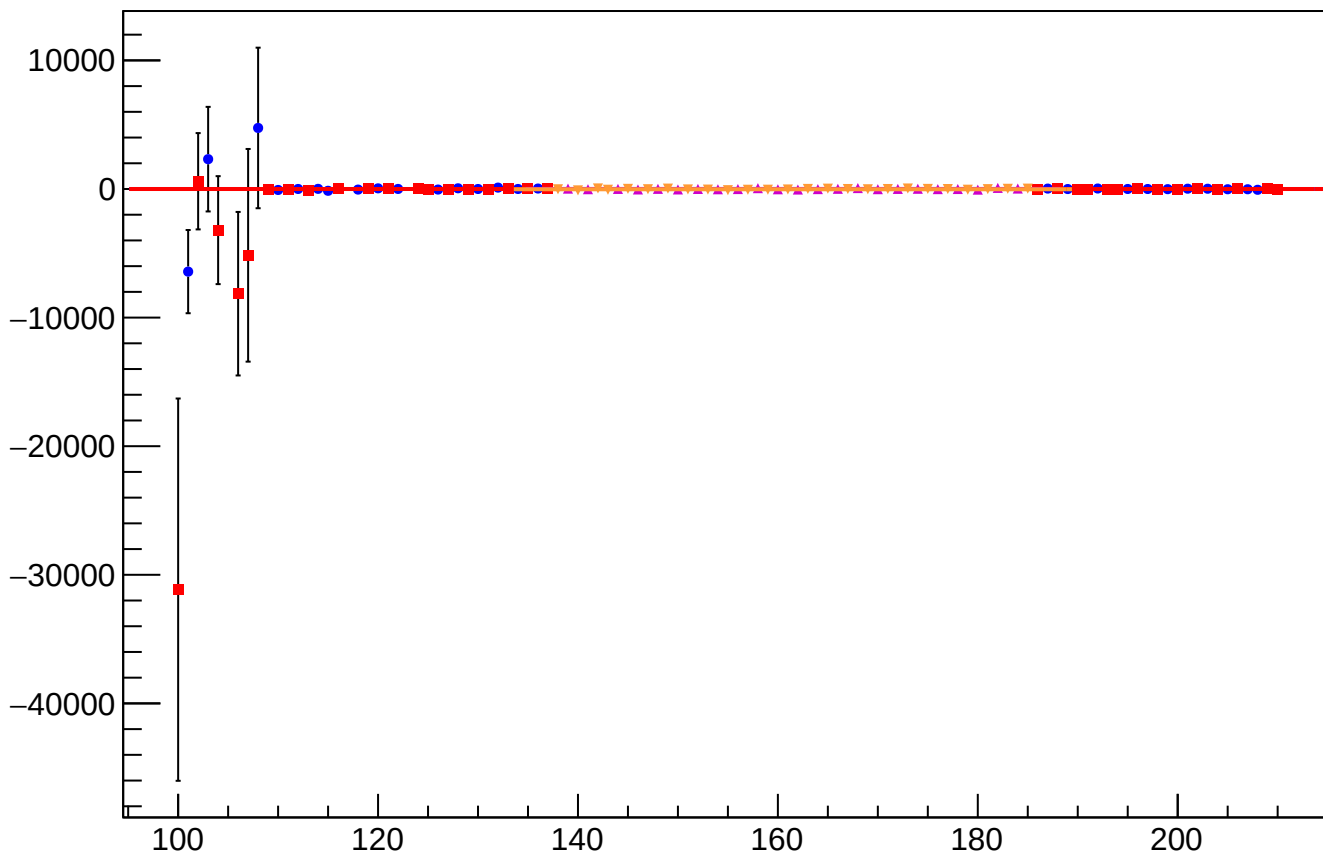
Left In: 186.169 $\pm$ 0.032 χ^2 /NDF:1413387.1/22

+ sign 186.564 $\pm$ 0.024 χ^2 /NDF: 7075786.9/51

All: 182.709 $\pm$ 0.016 χ^2 /NDF: 14165864.9/10

- sign 179.212 $\pm$ 0.023 χ^2 /NDF: 7039562.4/55

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 0.399 ± 8.852 χ^2/NDF : 23.4/26

Left Out: -21.228 ± 7.835 χ^2/NDF : 22.9/24

Right Out: -1.326 ± 8.316 χ^2/NDF : 34.0/32

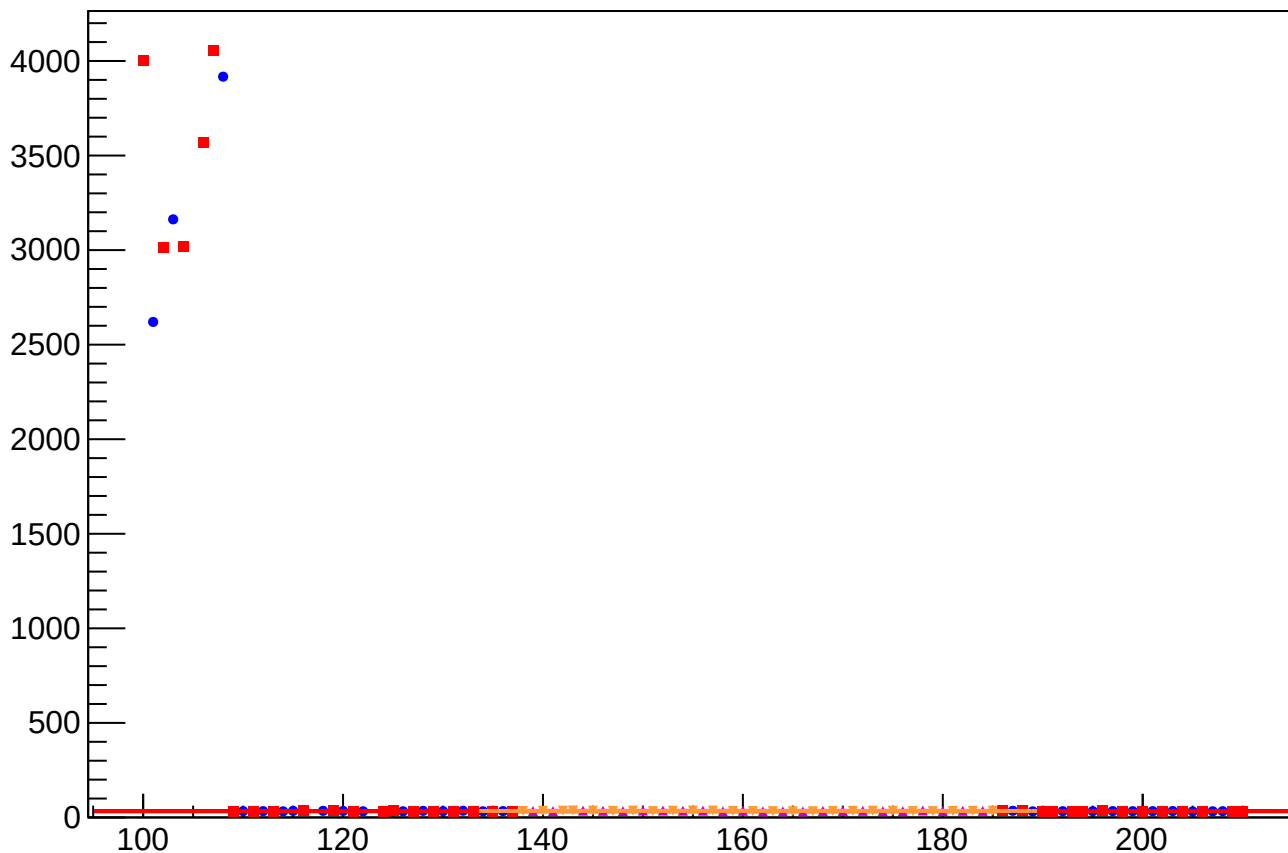
Left In: 4.029 ± 8.083 χ^2/NDF : 18.9/22

+ sign -11.727 ± 5.867 χ^2/NDF : 49.7/51

All: -5.070 ± 4.123 χ^2/NDF : 105.4/107

- sign 1.427 ± 5.796 χ^2/NDF : 53.2/55

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.361 $\pm$ 0.006 χ^2 /NDF: 3255713.3/26

Left Out: 34.439 $\pm$ 0.006 χ^2 /NDF: 44686.3/24

Right Out: 33.332 $\pm$ 0.006 χ^2 /NDF: 3549816.1/32

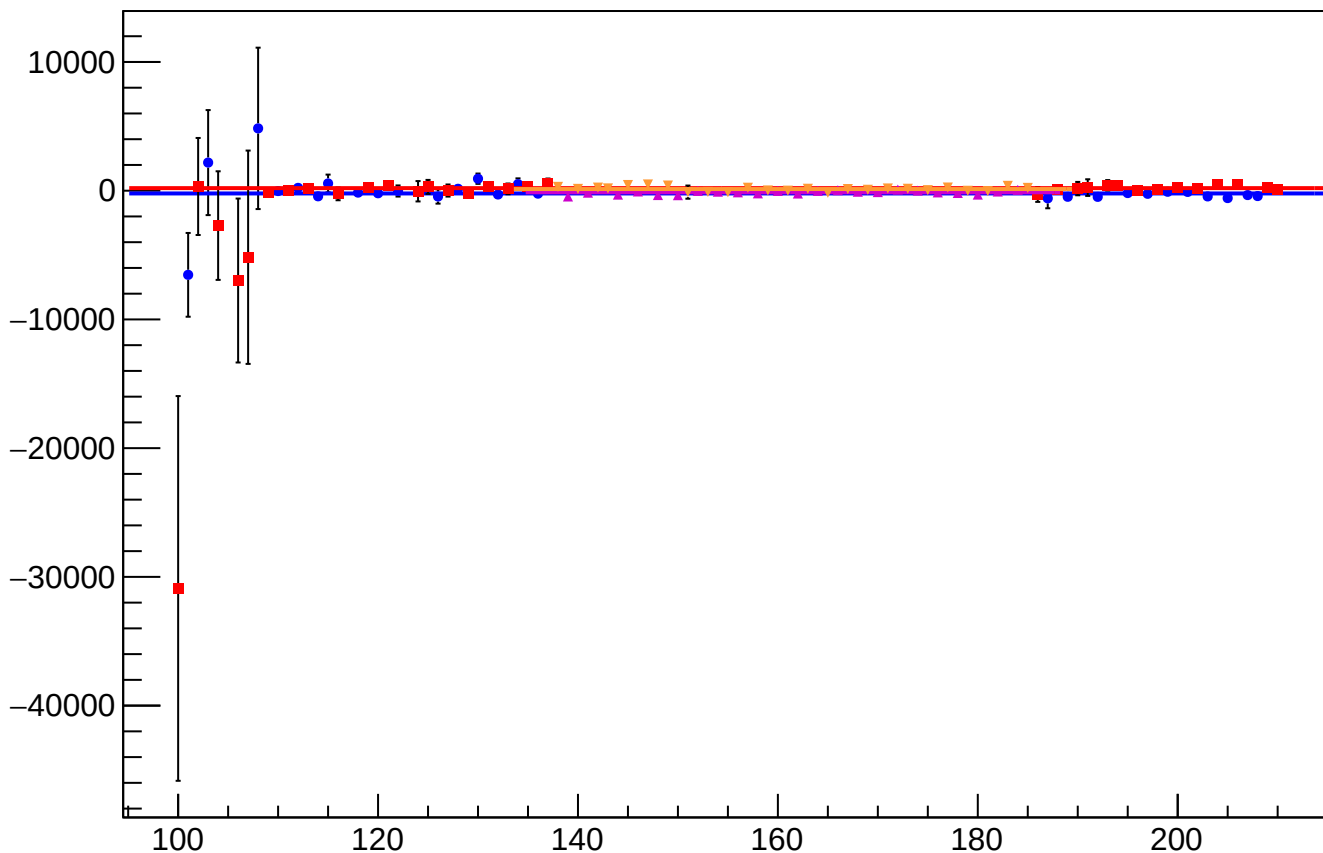
Left In: 34.552 $\pm$ 0.006 χ^2 /NDF: 59280.9/22

+ sign 33.965 $\pm$ 0.004 χ^2 /NDF: 3317003.9/51

All: 33.962 $\pm$ 0.003 χ^2 /NDF: 6948246.9/107

- sign 33.959 $\pm$ 0.004 χ^2 /NDF: 3631241.8/55

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -213.343 ± 47.289 χ^2/NDF : 34.0/26

Left Out: 127.689 ± 47.228 χ^2/NDF : 11.6/24

Right Out: 199.313 ± 44.810 χ^2/NDF : 24.0/32

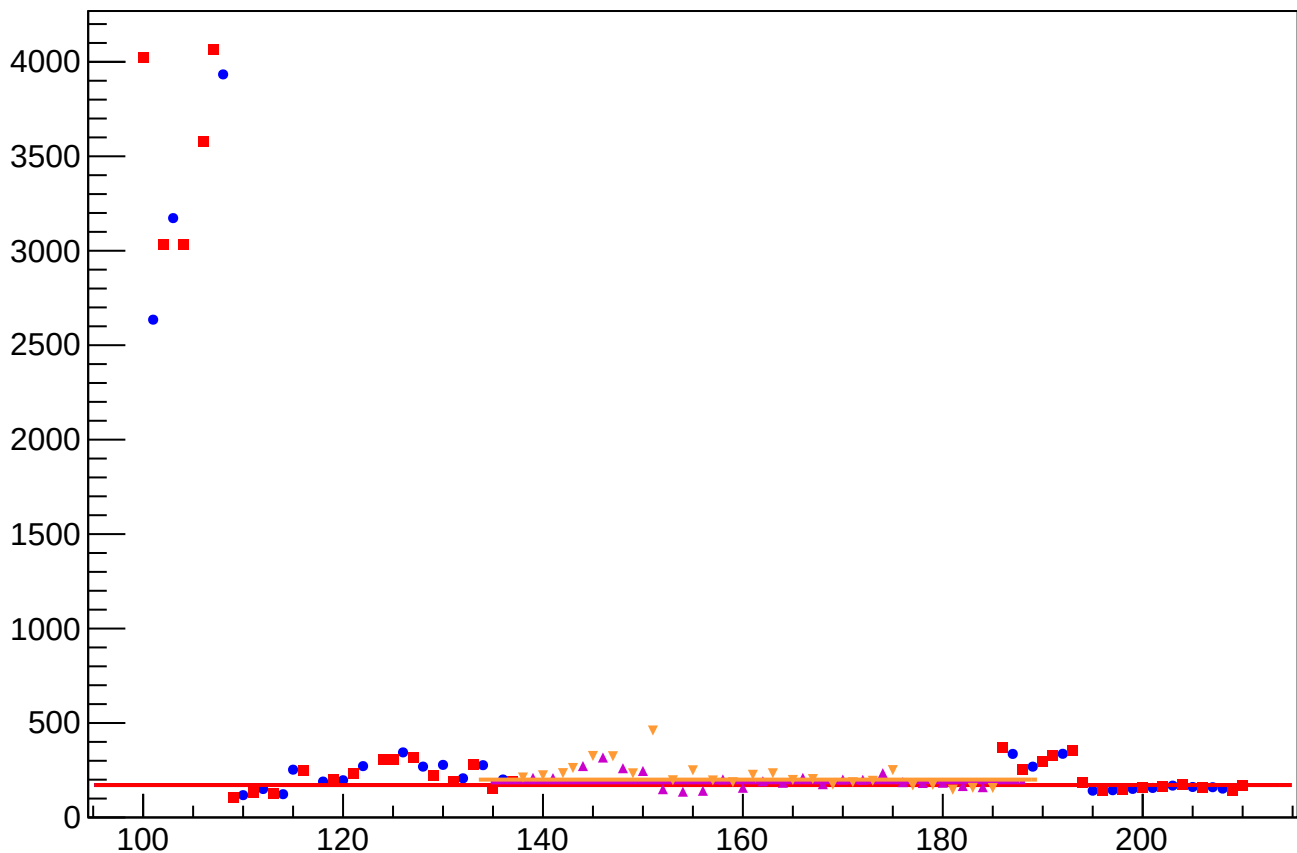
Left In: -122.809 ± 45.199 χ^2/NDF : 8.0/22

+ sign -42.606 ± 33.417 χ^2/NDF : 71.7/51

All: 0.528 ± 23.045 χ^2/NDF : 132.4/107

- sign 39.643 ± 31.822 χ^2/NDF : 57.6/55

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 171.711+/-0.033 χ^2/NDF : 4867370.8/26

Left Out: 200.372+/-0.033 χ^2/NDF : 1876533.6/24

Right Out: 171.578+/-0.032 χ^2/NDF : 5582482.8/32

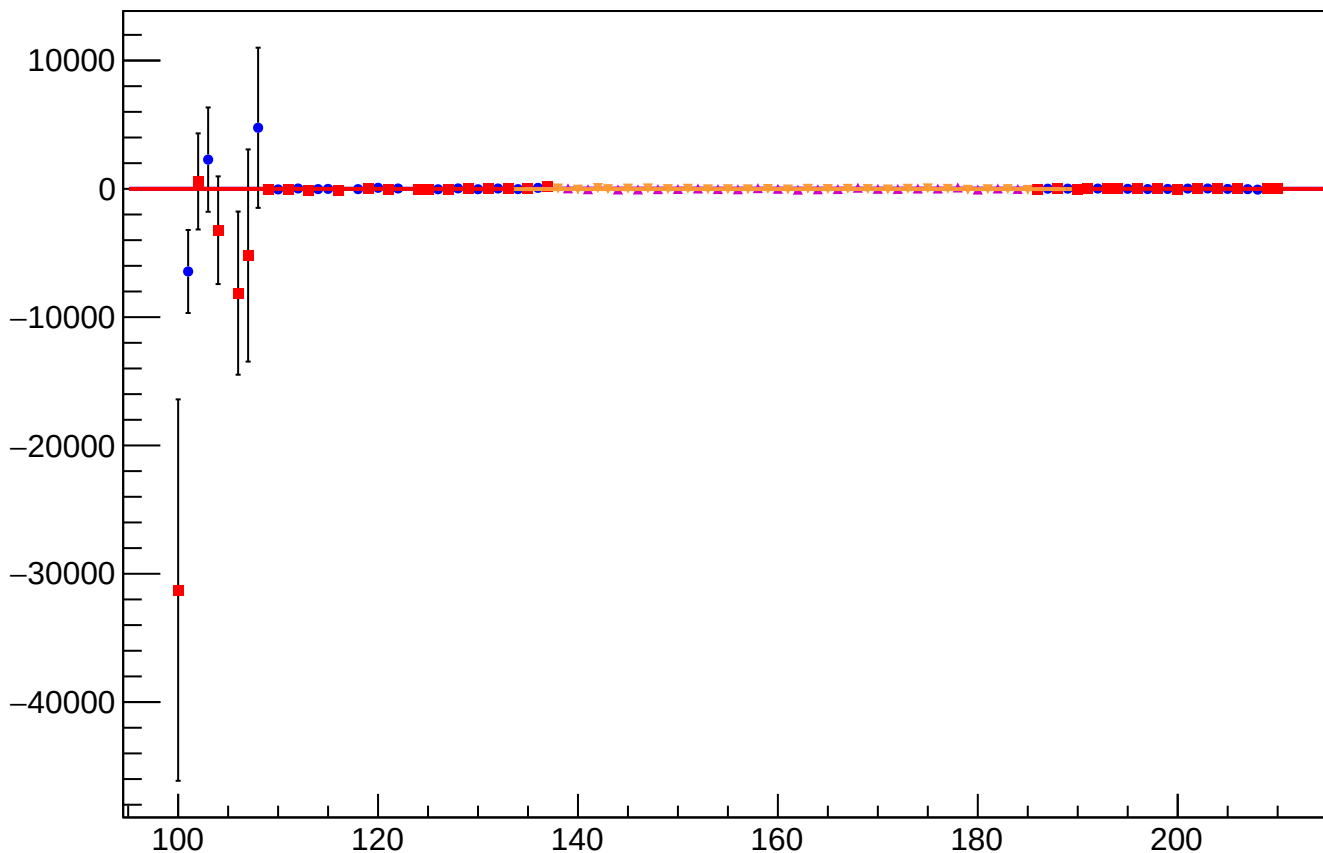
Left In: 185.871+/-0.032 χ^2/NDF : 1405525.2/22

+ sign 186.060+/-0.024 χ^2/NDF : 7111718.2/51

All: 182.181+/-0.016 χ^2/NDF : 14251997.6/10

- sign 178.663+/-0.023 χ^2/NDF : 7088883.4/55

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.392 ± 8.016 χ^2/NDF : 22.6/26

Left Out: -18.581 ± 7.135 χ^2/NDF : 20.4/24

Right Out: -3.828 ± 7.525 χ^2/NDF : 40.4/32

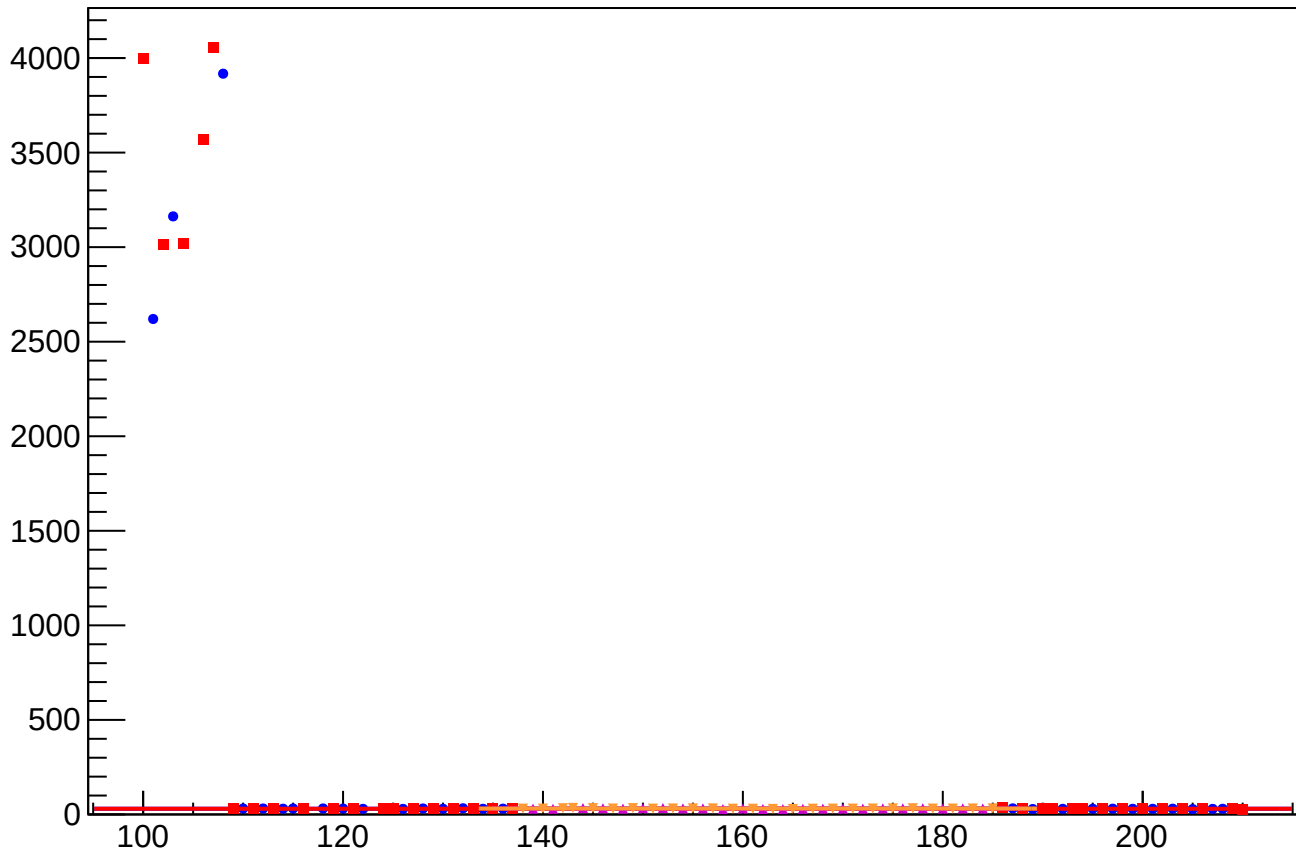
Left In: 2.709 ± 7.348 χ^2/NDF : 35.5/22

+ sign -8.868 ± 5.330 χ^2/NDF : 47.2/51

All: -4.618 ± 3.743 χ^2/NDF : 124.8/107

- sign -0.481 ± 5.257 χ^2/NDF : 76.3/55

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.191 $\pm$ 0.006 χ^2 /NDF: 3273603.3/26

Left Out: 31.340 $\pm$ 0.005 χ^2 /NDF: 63017.9/24

Right Out: 30.140 $\pm$ 0.005 χ^2 /NDF: 3570255.6/32

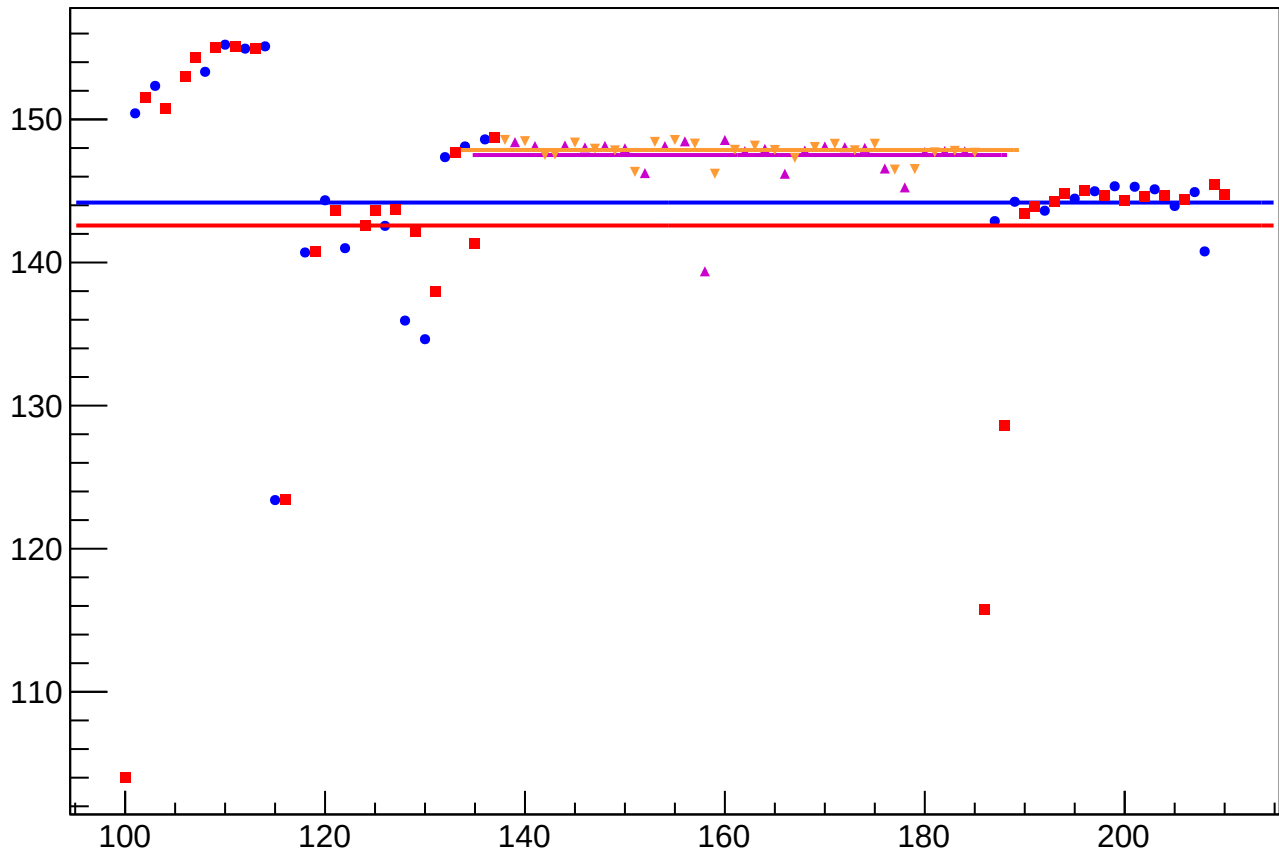
Left In: 31.379 $\pm$ 0.005 χ^2 /NDF: 85229.7/22

+ sign 30.832 $\pm$ 0.004 χ^2 /NDF: 3359546.5/51

All: 30.803 $\pm$ 0.003 χ^2 /NDF: 7042922.9/107

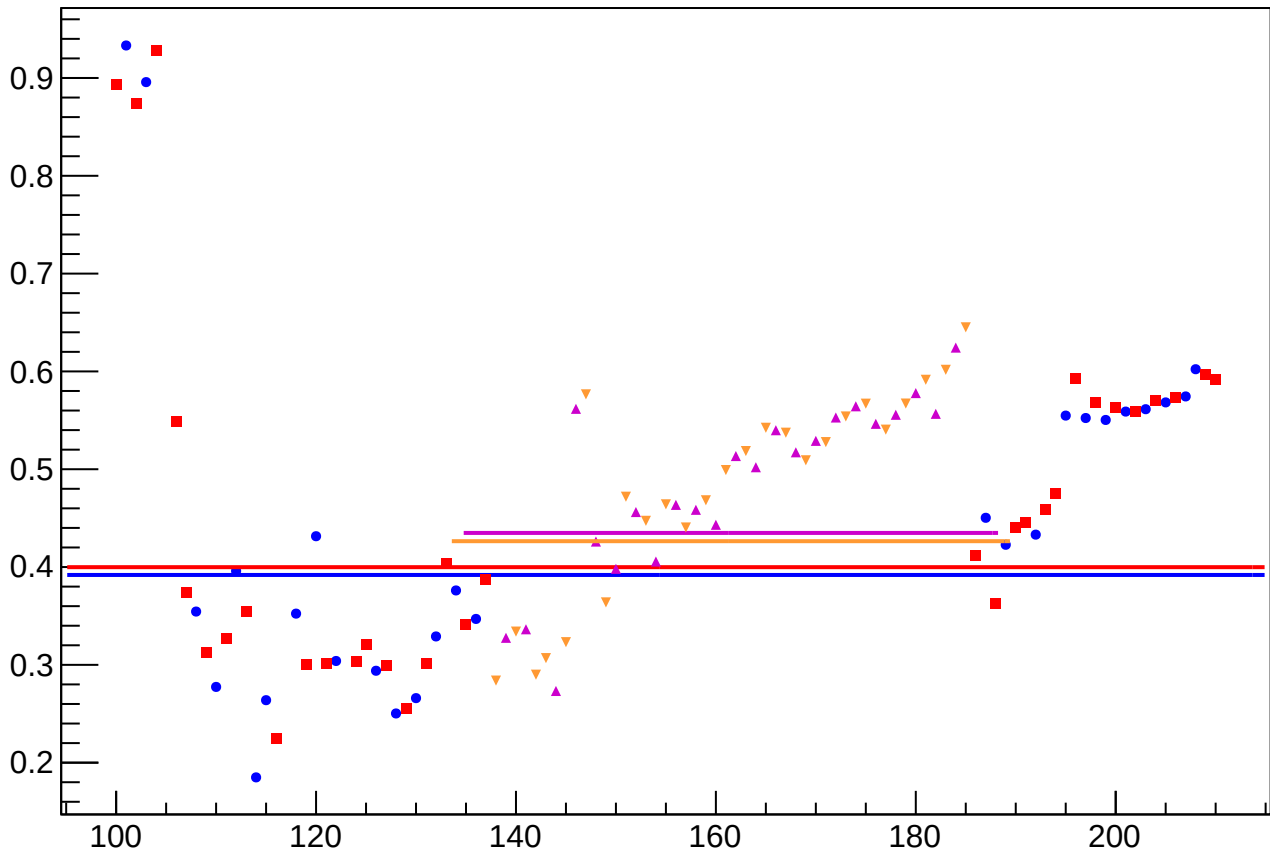
- sign 30.775 $\pm$ 0.004 χ^2 /NDF: 3683258.6/55

yield_bcm_target_mean vs Slug



Right In: 144.190 $\pm$ 0.000	χ^2 /NDF: 3767068810.1/26	+ sign 146.134 $\pm$ 0.000	χ^2 /NDF: 4428776829.2/51
Left Out: 147.864 $\pm$ 0.000	χ^2 /NDF: 44922014.2/24	All: 145.537 $\pm$ 0.000	χ^2 /NDF: 13570737812.2/101
Right Out: 142.586 $\pm$ 0.000	χ^2 /NDF: 7580302988.5/32	- sign 144.949 $\pm$ 0.000	χ^2 /NDF: 9012313055.7/55
Left In: 147.511 $\pm$ 0.000	χ^2 /NDF: 306421789.5/22		

yield_bcm_target_rms vs Slug



Right In: 0.392 $\pm$ 0.000 χ^2 /NDF: 3222901.5/26

Left Out: 0.426 $\pm$ 0.000 χ^2 /NDF:2259192.5/24

Right Out: 0.400 $\pm$ 0.000 χ^2 /NDF: 3260209.2/32

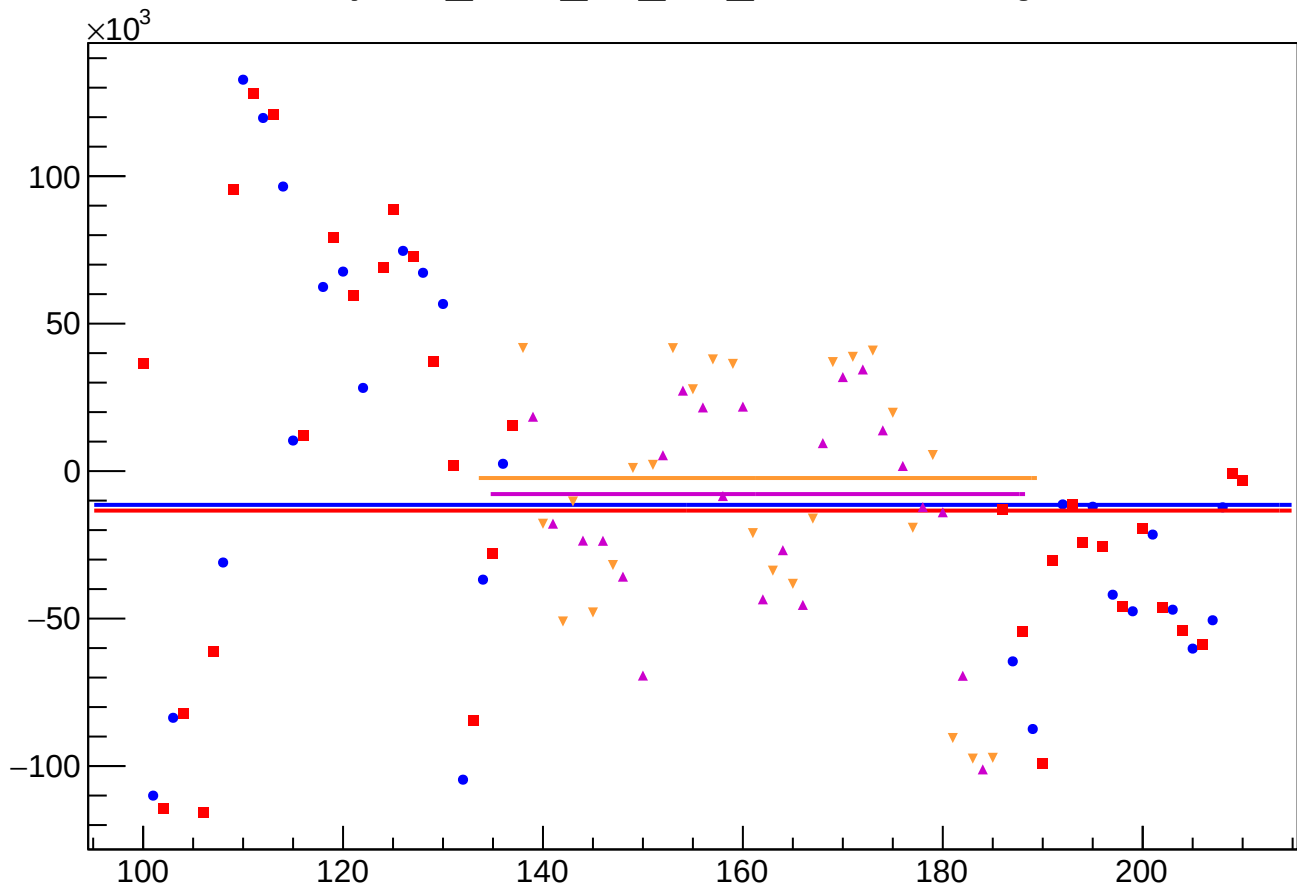
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1774903.7/22

+ sign 0.410 $\pm$ 0.000 χ^2 /NDF: 5591004.7/51

All: 0.413 $\pm$ 0.000 χ^2 /NDF: 10747672.0/107

- sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5148871.1/55

yield_bcm_an_diff_mean vs Slug



Right In: -11444.460 ± 1.380 $\chi^2/\text{NDF}: 1936397733.9/26$

Left Out: -2344.855 ± 1.123 $\chi^2/\text{NDF}: 1230029339.6/24$

Right Out: -13389.008 ± 1.261 $\chi^2/\text{NDF}: 2395584102.6/32$

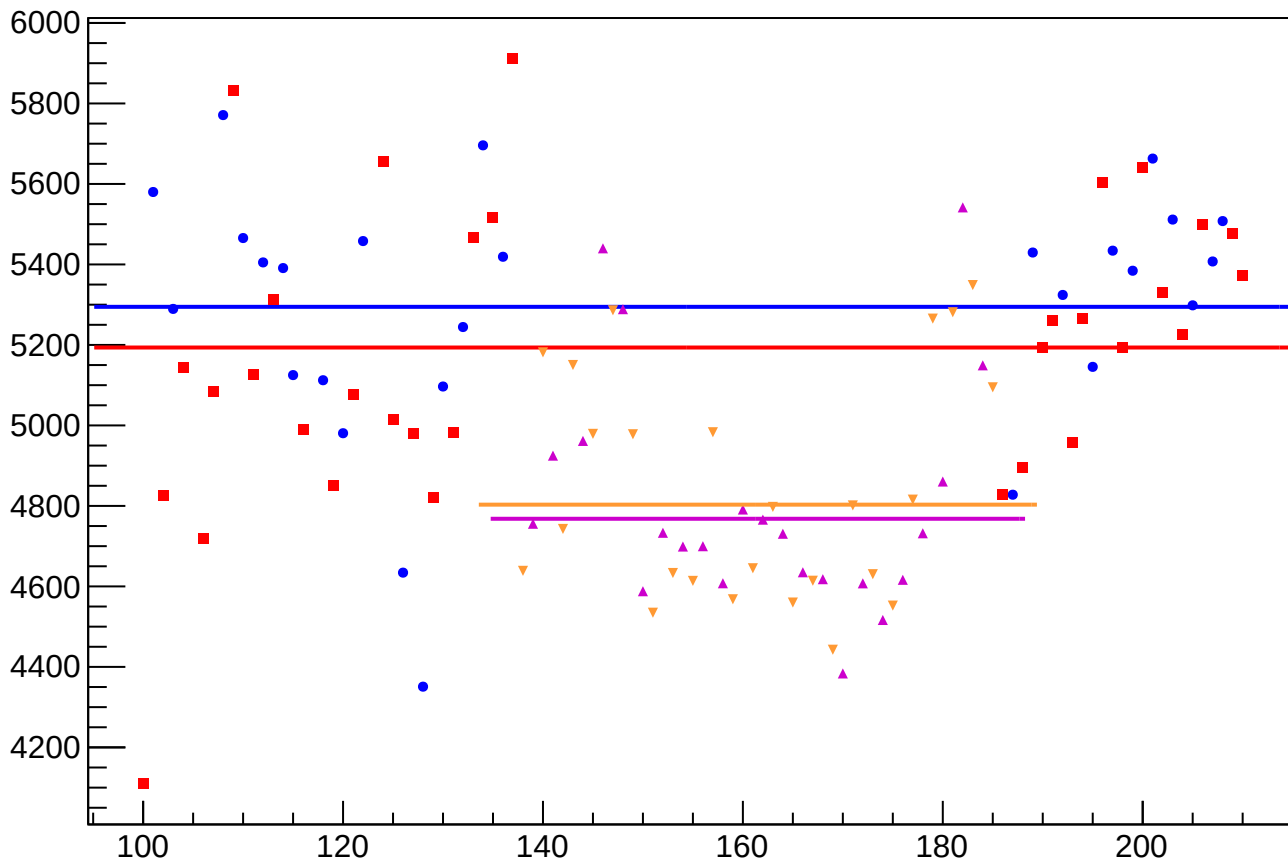
Left In: -7787.808 ± 1.145 $\chi^2/\text{NDF}: 762496621.5/22$

+ sign -5970.533 ± 0.871 $\chi^2/\text{NDF}: 3192575811.8/5$

All: -8203.298 ± 0.608 $\chi^2/\text{NDF}: 6374256365$

- sign -10316.908 ± 0.848 $\chi^2/\text{NDF}: 3168894610.7/5$

yield_bcm_an_diff_rms vs Slug



Right In: 5294.671 ± 0.976 χ^2/NDF : 100819.9/26

Left Out: 4803.136 ± 0.794 χ^2/NDF : 114681.5/24

Right Out: 5193.570 ± 0.892 χ^2/NDF : 110726.9/32

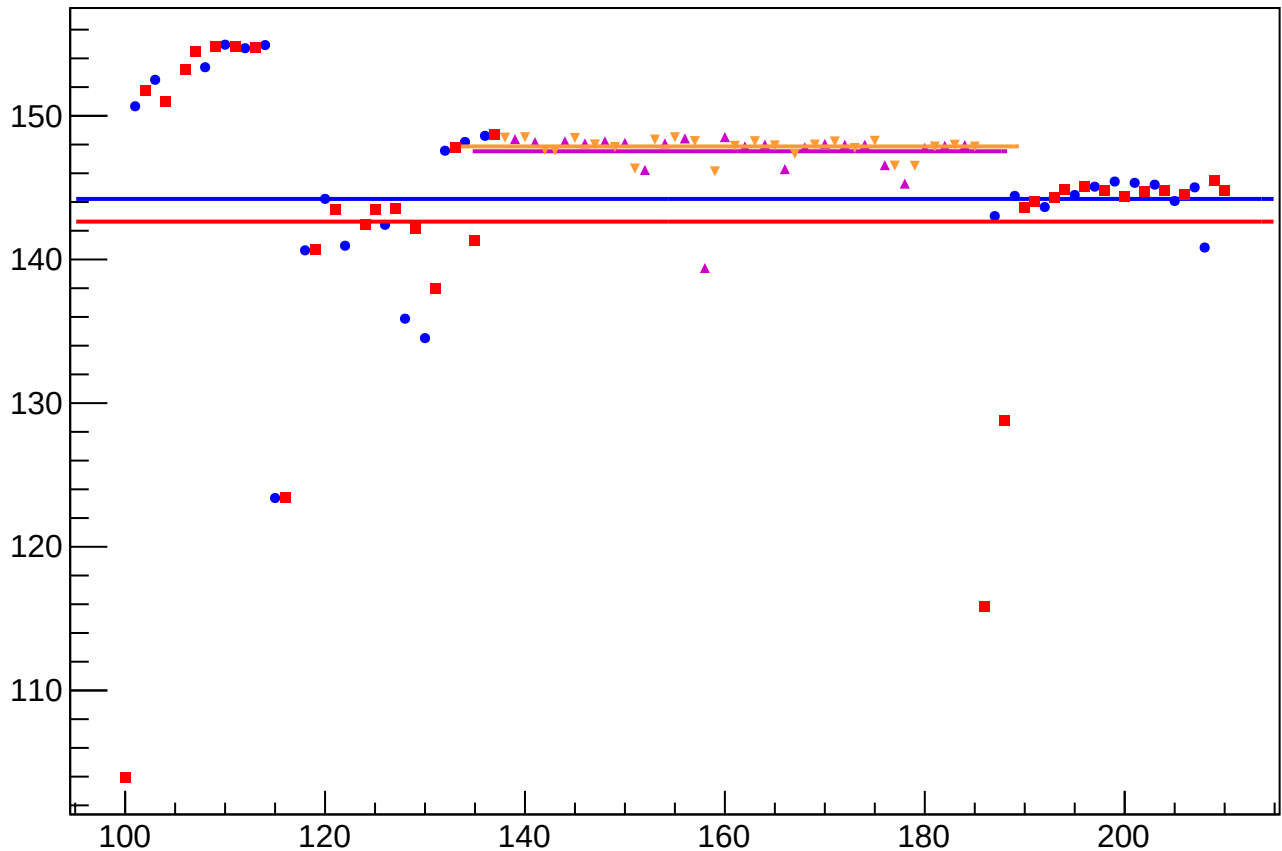
Left In: 4768.055 ± 0.809 χ^2/NDF : 102355.5/22

+ sign 4998.985 ± 0.616 χ^2/NDF : 368097.6/51

All: 4979.054 ± 0.430 χ^2/NDF : 708036.0/107

- sign 4960.187 ± 0.599 χ^2/NDF : 337900.7/55

yield_bcm_an_ds_mean vs Slug



Right In: 144.216 $\pm$ 0.000 χ^2 /NDF: 3808371697.0/26

Left Out: 147.870 $\pm$ 0.000 χ^2 /NDF: 44483332.4/24

Right Out: 142.636 $\pm$ 0.000 χ^2 /NDF: 7555632786.6/32

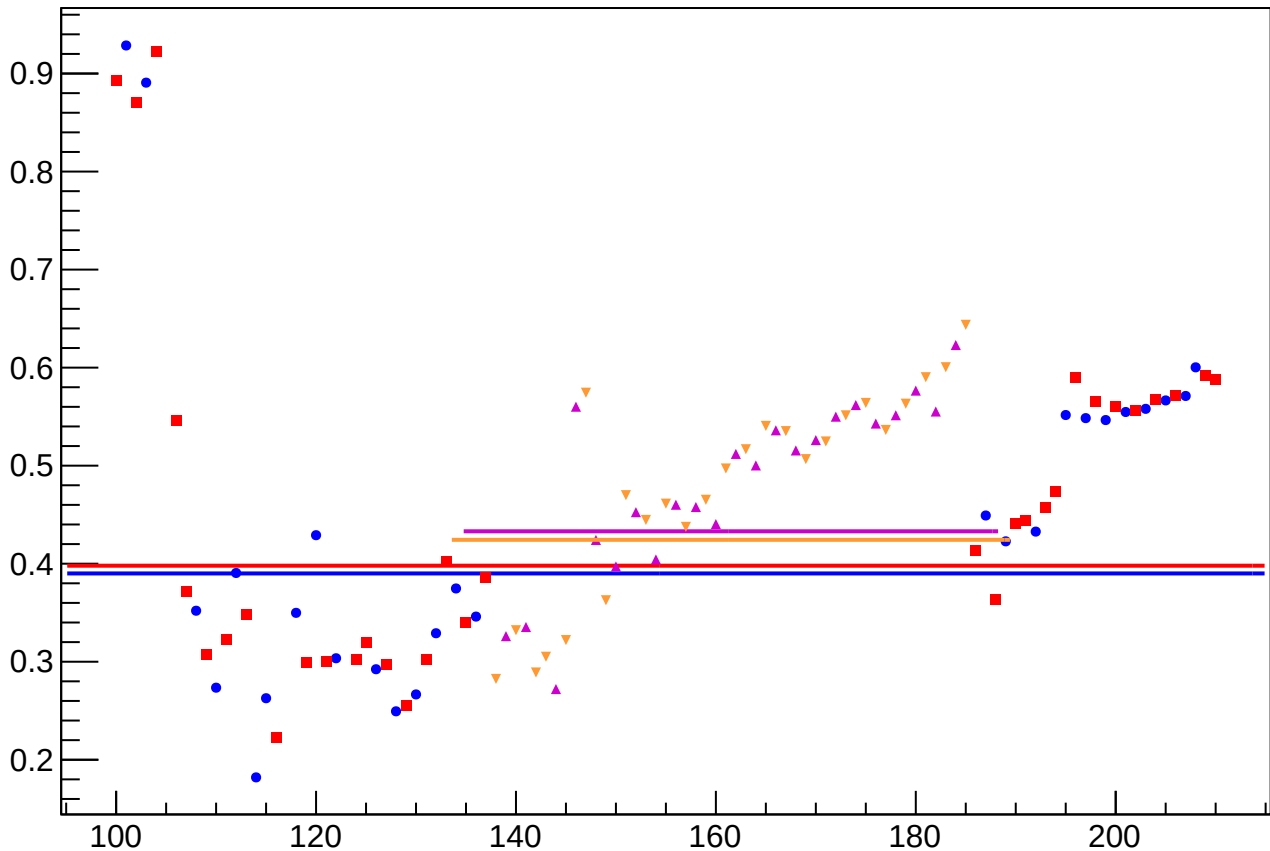
Left In: 147.532 $\pm$ 0.000 χ^2 /NDF: 307143604.6/22

+ sign 146.149 $\pm$ 0.000 χ^2 /NDF: 4468890583.4/51

All: 145.563 $\pm$ 0.000 χ^2 /NDF: 13580301632.

- sign 144.984 $\pm$ 0.000 χ^2 /NDF: 8984883916.8/55

yield_bcm_an_ds_rms vs Slug



Right In: 0.390 $\pm$ 0.000 χ^2 /NDF: 3221544.3/26

Left Out: 0.424 $\pm$ 0.000 χ^2 /NDF:2260723.7/24

Right Out: 0.398 $\pm$ 0.000 χ^2 /NDF: 3265156.9/32

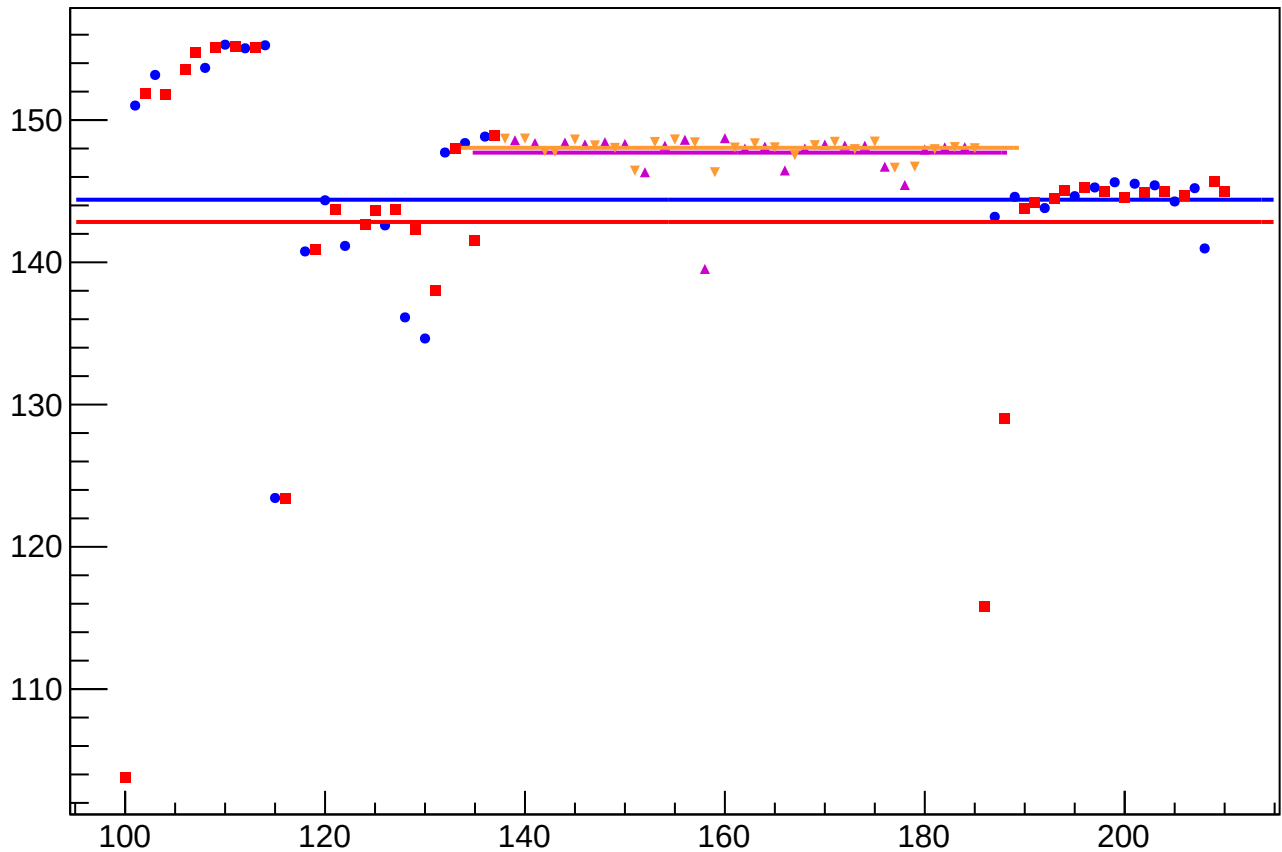
Left In: 0.433 $\pm$ 0.000 χ^2 /NDF:1771141.8/22

+ sign 0.408 $\pm$ 0.000 χ^2 /NDF: 5590833.8/51

All: 0.412 $\pm$ 0.000 χ^2 /NDF: 10750525.2/107

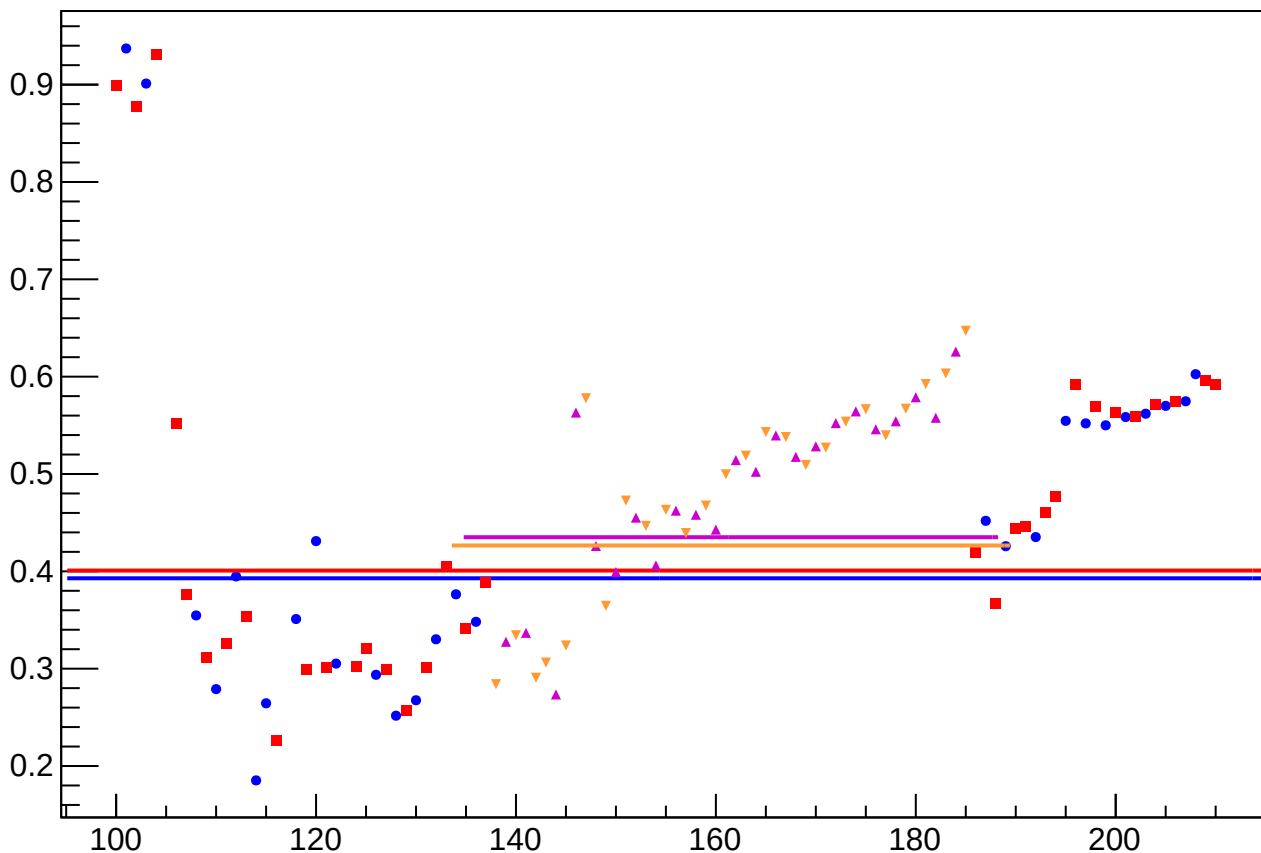
- sign 0.415 $\pm$ 0.000 χ^2 /NDF: 5151629.1/55

yield_bcm_an_ds3_mean vs Slug



Right In: 144.402 $\pm$ 0.000	χ^2 /NDF: 3802770847.5/26	+ sign 146.335 $\pm$ 0.000	χ^2 /NDF: 4454151706.1/51
Left Out: 148.049 $\pm$ 0.000	χ^2 /NDF: 44901895.1/24	All: 145.754 $\pm$ 0.000	χ^2 /NDF: 13477852475.
Right Out: 142.837 $\pm$ 0.000	χ^2 /NDF: 7489932055.5/32	- sign 145.180 $\pm$ 0.000	χ^2 /NDF: 8900858011.6/55
Left In: 147.710 $\pm$ 0.000	χ^2 /NDF: 311841433.9/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.393 ± 0.000 $\chi^2/\text{NDF}: 3208405.4/26$

Left Out: 0.427 ± 0.000 $\chi^2/\text{NDF}: 2257492.3/24$

Right Out: 0.401 ± 0.000 $\chi^2/\text{NDF}: 3258124.4/32$

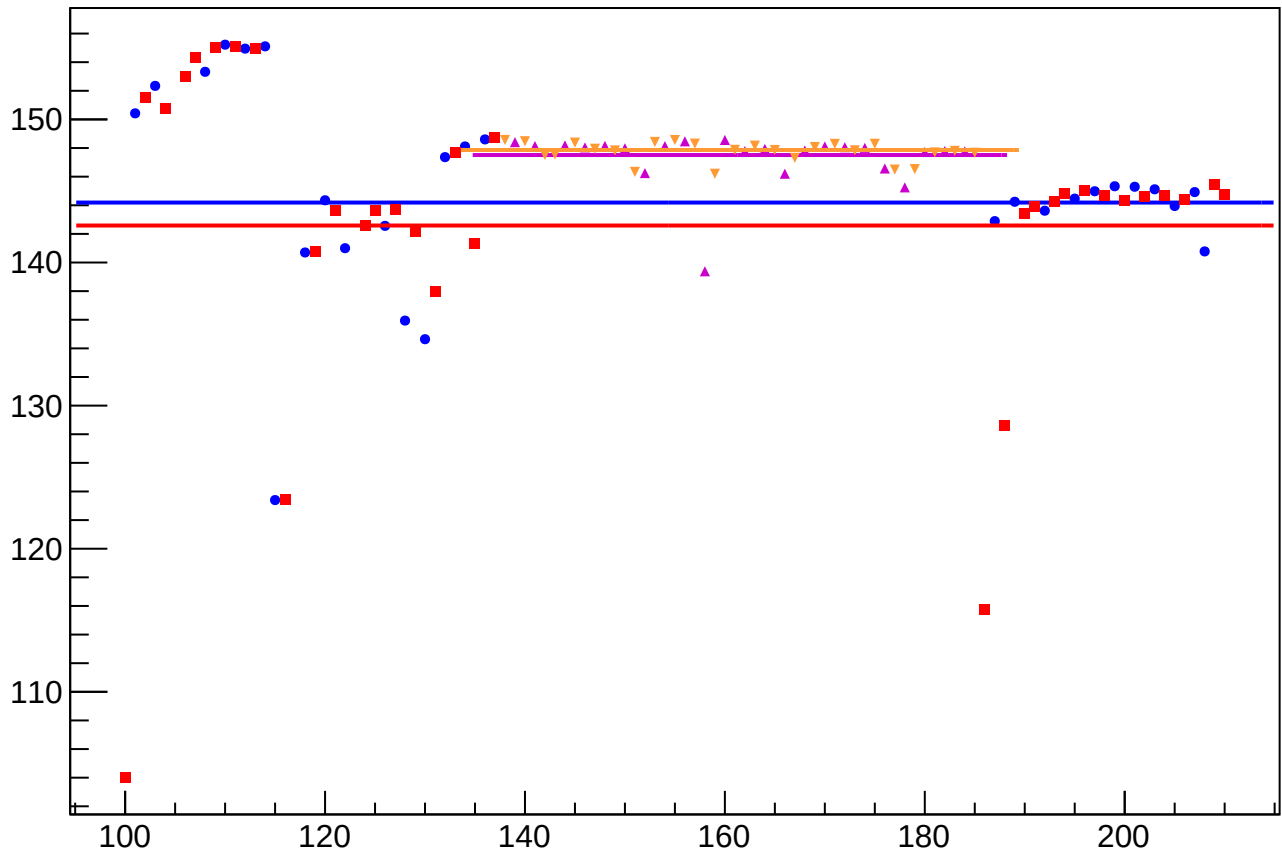
Left In: 0.435 ± 0.000 $\chi^2/\text{NDF}: 1769716.0/22$

+ sign 0.411 ± 0.000 $\chi^2/\text{NDF}: 5569415.3/51$

All: 0.414 ± 0.000 $\chi^2/\text{NDF}: 10713803.2/107$

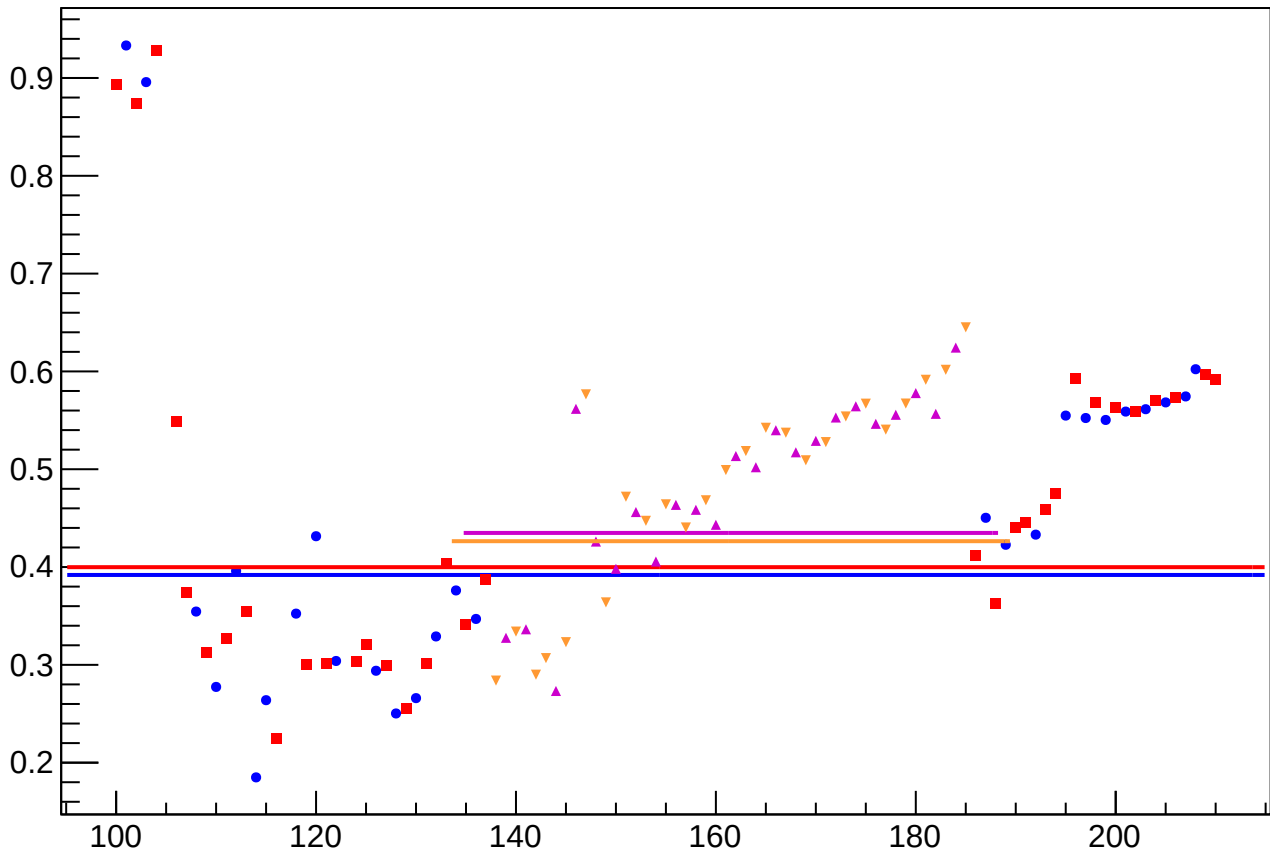
- sign 0.417 ± 0.000 $\chi^2/\text{NDF}: 5136488.5/55$

yield_bcm_an_us_mean vs Slug



Right In: 144.190 $\pm$ 0.000	χ^2 /NDF: 3767068810.1/26	+ sign 146.134 $\pm$ 0.000	χ^2 /NDF: 4428776829.2/51
Left Out: 147.864 $\pm$ 0.000	χ^2 /NDF: 44922014.2/24	All: 145.537 $\pm$ 0.000	χ^2 /NDF: 13570737812.2/101
Right Out: 142.586 $\pm$ 0.000	χ^2 /NDF: 7580302988.5/32	- sign 144.949 $\pm$ 0.000	χ^2 /NDF: 9012313055.7/55
Left In: 147.511 $\pm$ 0.000	χ^2 /NDF: 306421789.5/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.392 $\pm$ 0.000 χ^2 /NDF: 3222901.5/26

Left Out: 0.426 $\pm$ 0.000 χ^2 /NDF:2259192.5/24

Right Out: 0.400 $\pm$ 0.000 χ^2 /NDF: 3260209.2/32

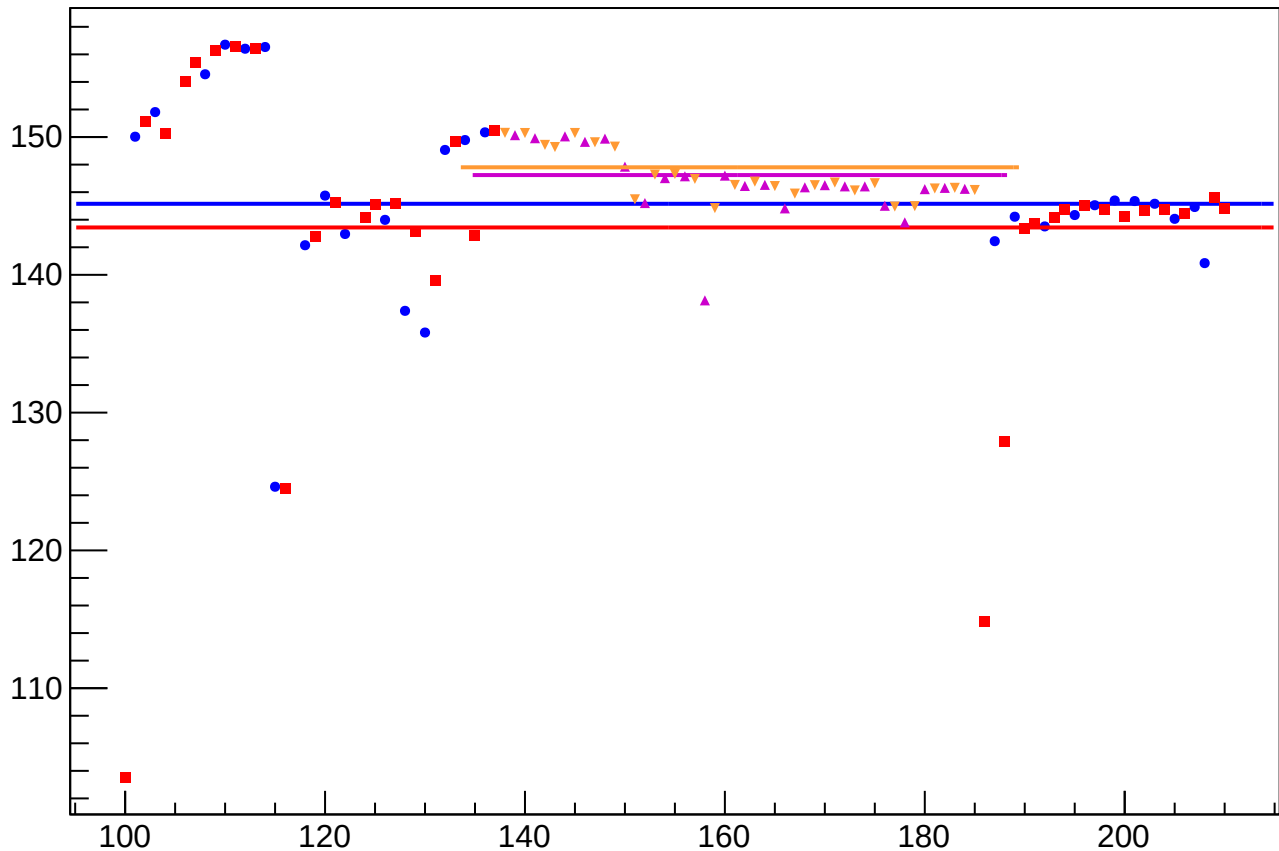
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1774903.7/22

+ sign 0.410 $\pm$ 0.000 χ^2 /NDF: 5591004.7/51

All: 0.413 $\pm$ 0.000 χ^2 /NDF: 10747672.0/107

- sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5148871.1/55

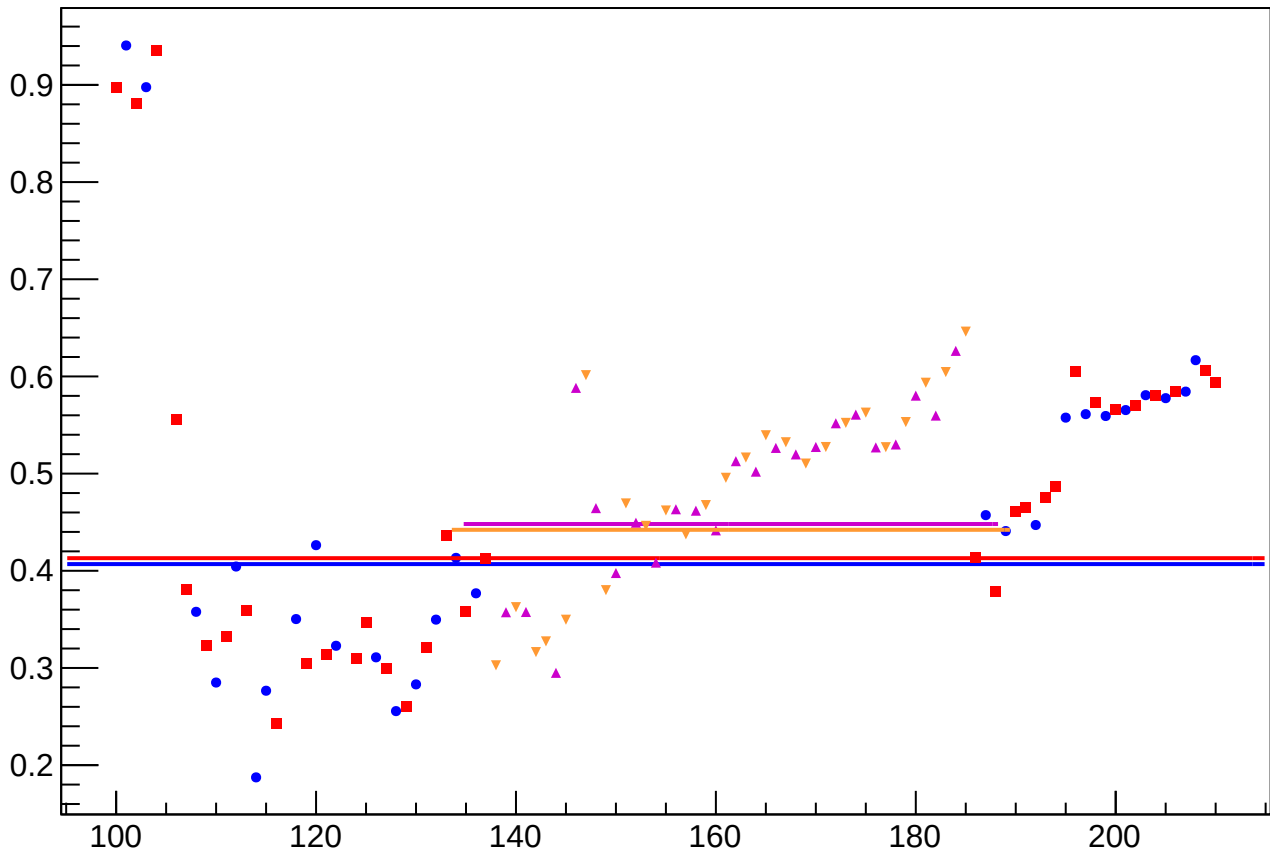
yield_bcm_dg_us_mean vs Slug



Right In: 145.156 $\pm$ 0.000 χ^2 /NDF: 3561315126.8/26
 Left Out: 147.804 $\pm$ 0.000 χ^2 /NDF: 327059704.2/24
 Right Out: 143.438 $\pm$ 0.000 χ^2 /NDF: 7630745386.9/32
 Left In: 147.241 $\pm$ 0.000 χ^2 /NDF: 618679483.9/22

+ sign 146.565 $\pm$ 0.000 χ^2 /NDF: 4188524096.4/51
 All: 145.913 $\pm$ 0.000 χ^2 /NDF: 13217756698.
 - sign 145.276 $\pm$ 0.000 χ^2 /NDF: 8884762656.1/55

yield_bcm_dg_us_rms vs Slug



Right In: 0.407 ± 0.000 χ^2/NDF : 3053769.1/26

Left Out: 0.442 ± 0.000 χ^2/NDF : 1704199.1/24

Right Out: 0.413 ± 0.000 χ^2/NDF : 3096388.8/32

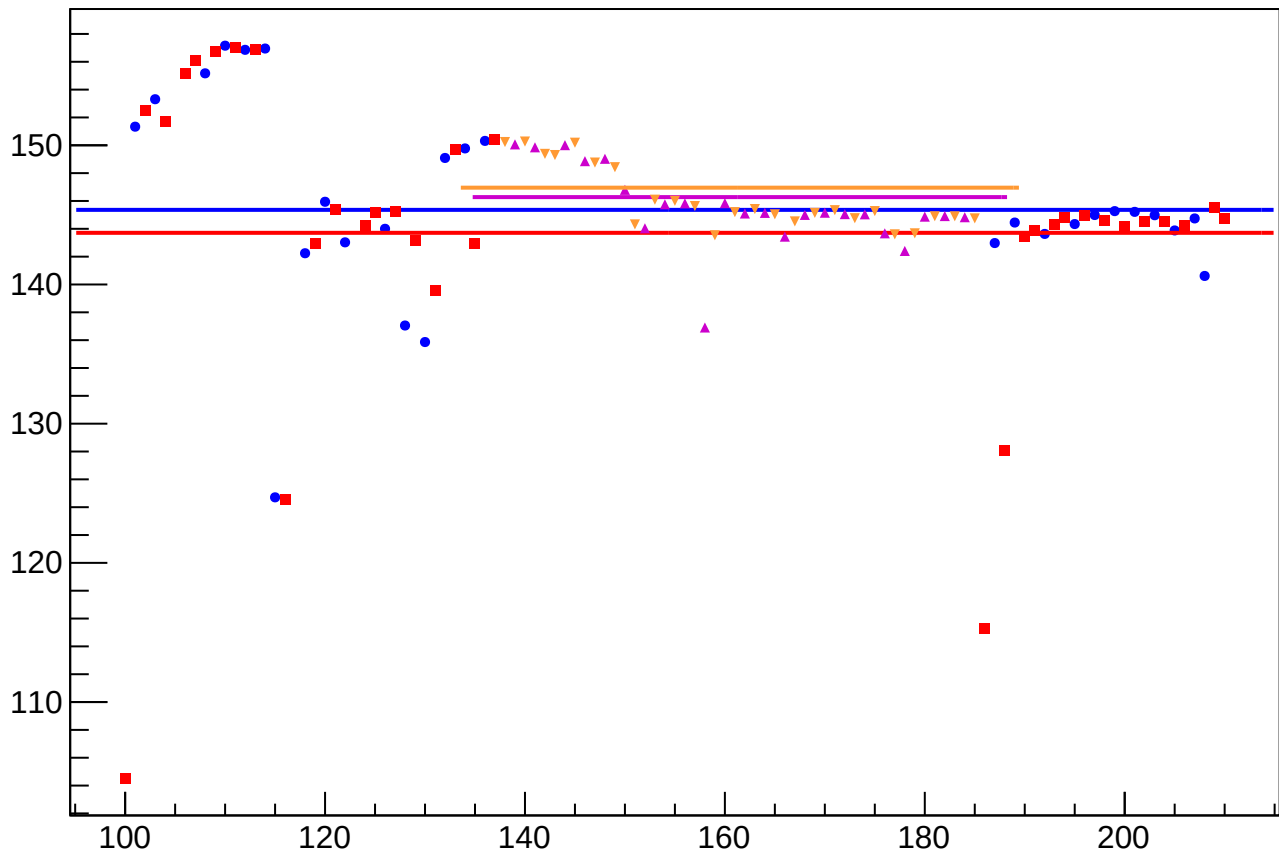
Left In: 0.448 ± 0.000 χ^2/NDF : 1347802.9/22

+ sign 0.426 ± 0.000 χ^2/NDF : 4864506.1/51

All: 0.428 ± 0.000 χ^2/NDF : 9420549.7/107

- sign 0.430 ± 0.000 χ^2/NDF : 4552816.7/55

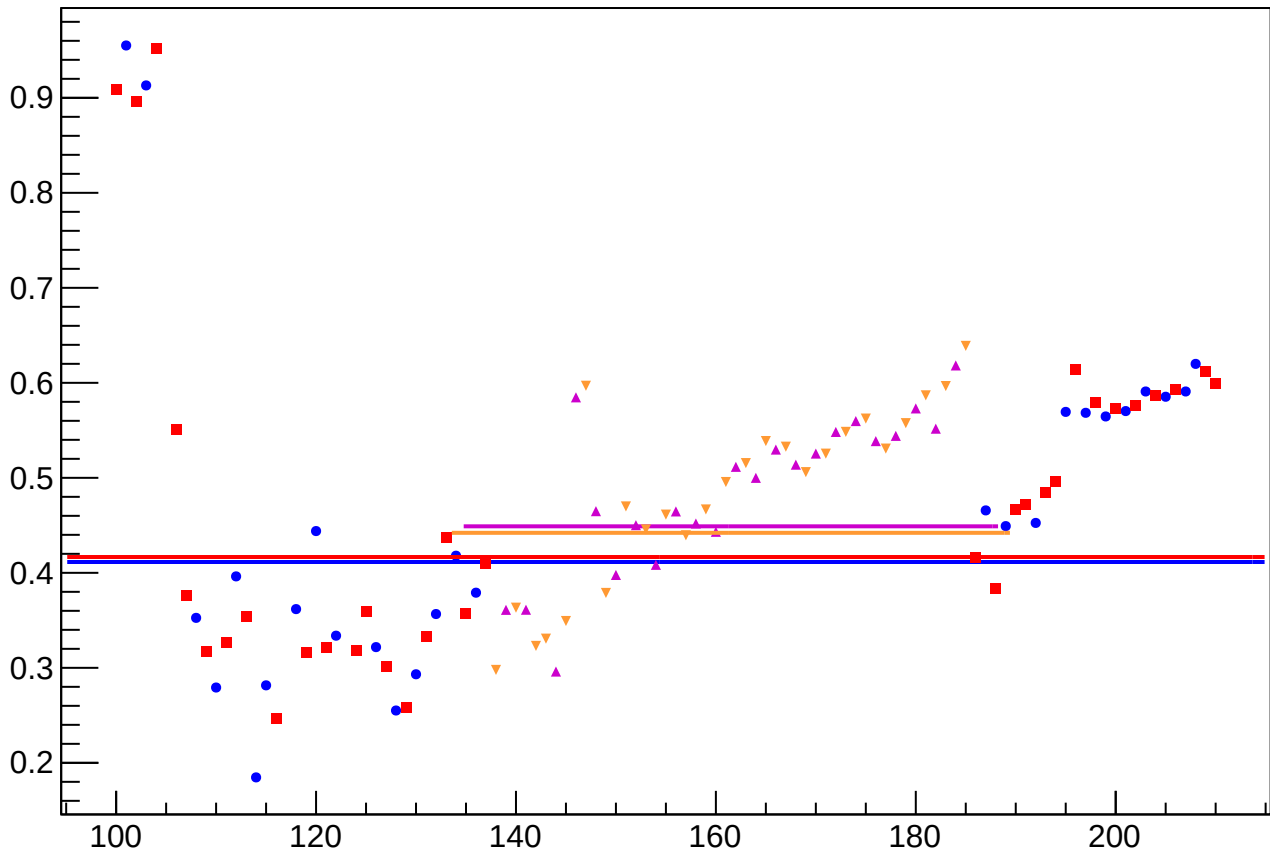
yield_bcm_dg_ds_mean vs Slug



Right In: 145.361 ± 0.000 χ^2/NDF : 3720748036.0/26
 Left Out: 146.956 ± 0.000 χ^2/NDF : 542800379.5/24
 Right Out: 143.712 ± 0.000 χ^2/NDF : 7684159709.1/32
 Left In: 146.278 ± 0.000 χ^2/NDF : 825161532.5/22

+ sign 146.220 ± 0.000 χ^2/NDF : 4370894926.2/51
 All: 145.584 ± 0.000 χ^2/NDF : 13301920960.
 - sign 144.963 ± 0.000 χ^2/NDF : 8795352592.4/55

yield_bcm_dg_ds_rms vs Slug



Right In: 0.411 $\pm$ 0.000 χ^2 /NDF: 3087896.6/26

Left Out: 0.442 $\pm$ 0.000 χ^2 /NDF:1676682.9/24

Right Out: 0.417 $\pm$ 0.000 χ^2 /NDF: 3124153.0/32

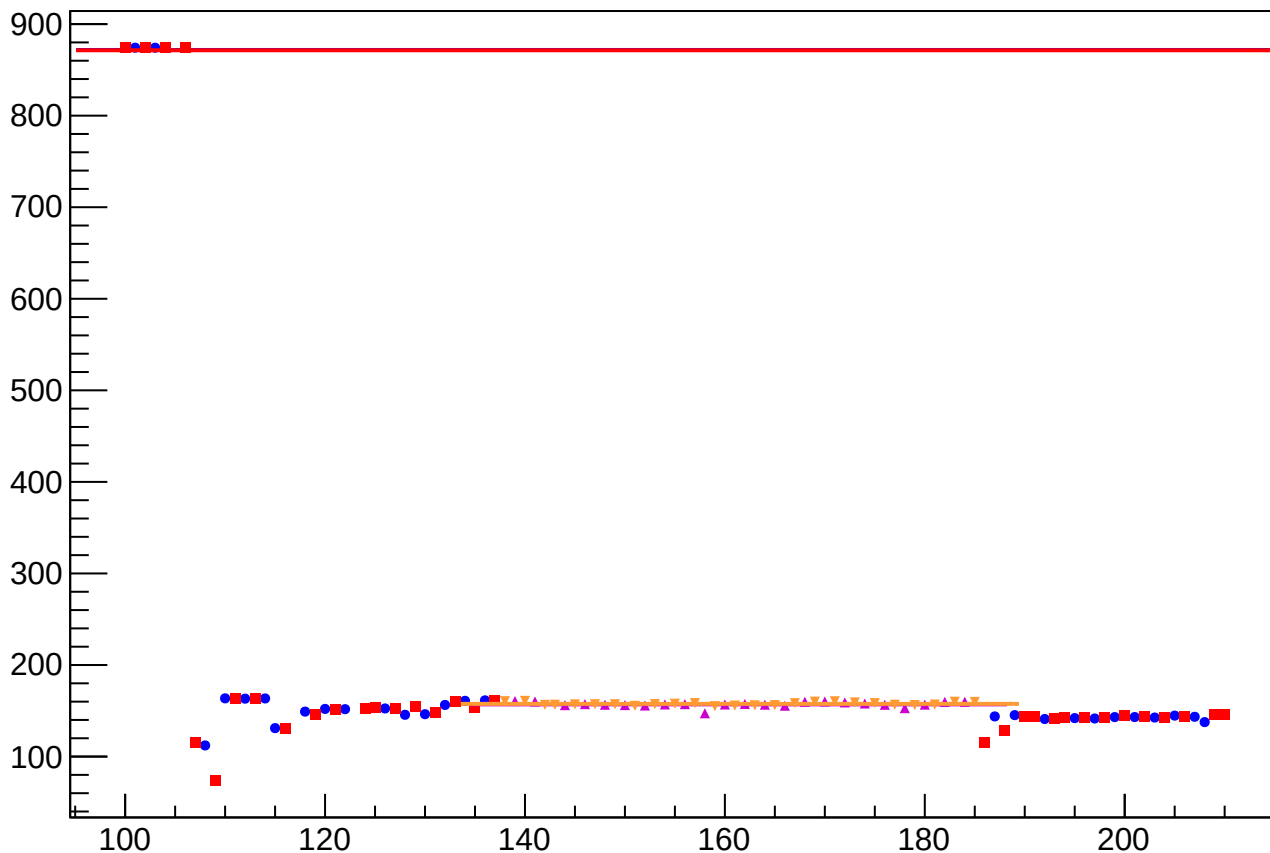
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1300658.3/22

+ sign 0.428 $\pm$ 0.000 χ^2 /NDF: 4844218.8/51

All: 0.430 $\pm$ 0.000 χ^2 /NDF: 9363116.2/107

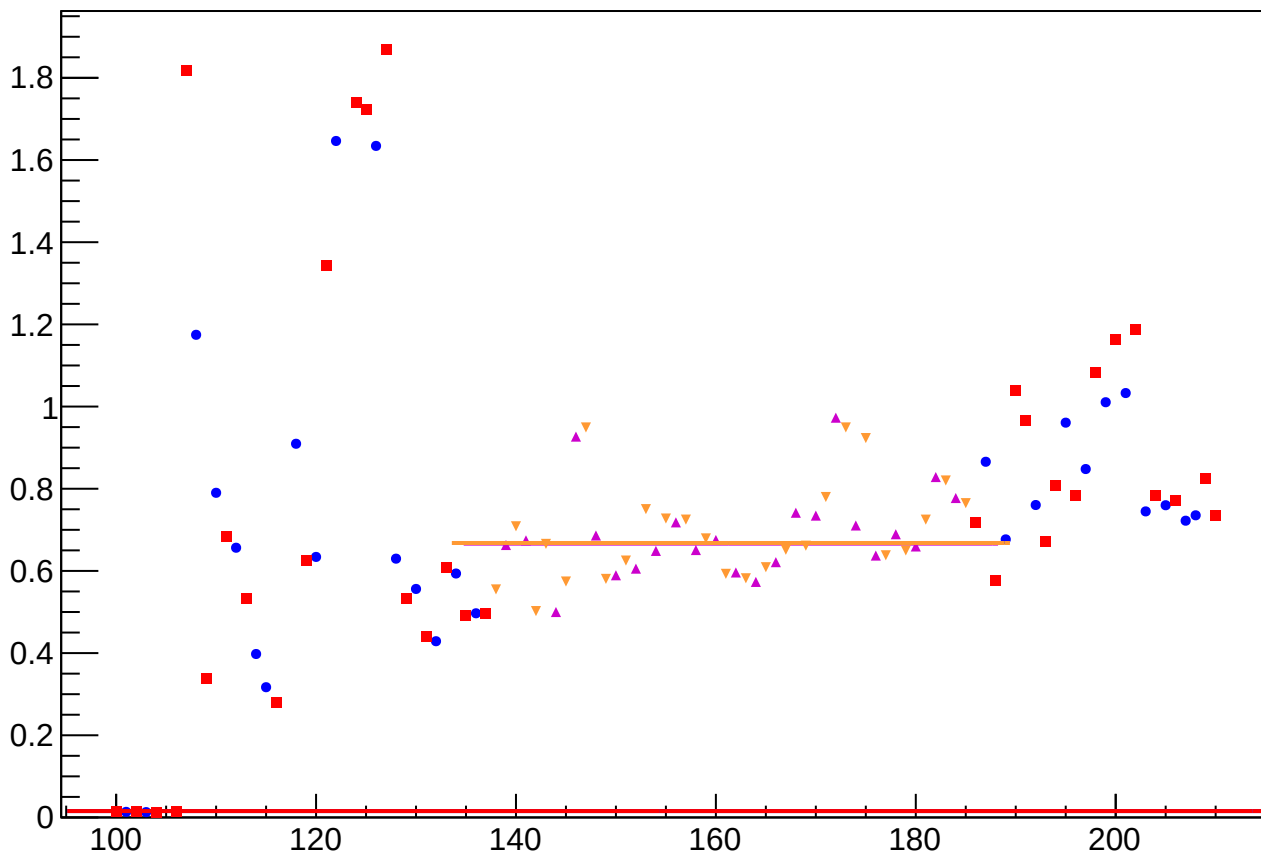
- sign 0.432 $\pm$ 0.000 χ^2 /NDF: 4515475.4/55

yield_cav4bQ_mean vs Slug



Right In: 871.729+/-0.000 χ^2/NDF : 12880450454175.3/26
 Left Out: 157.566+/-0.000 χ^2/NDF : 104641292.0/24
 Right Out: 871.420+/-0.000 χ^2/NDF : 16724464436883.6/32
 Left In: 157.013+/-0.000 χ^2/NDF : 239819941.9/22
 + sign 868.354+/-0.000 χ^2/NDF : 30079004380848.
 All: 868.494+/-0.000 χ^2/NDF : 632797212509.
 - sign 868.615+/-0.000 χ^2/NDF : 33200454447949.4

yield_cav4bQ_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 22954600.3/26

Left Out: 0.668+/-0.000 χ^2/NDF : 681720.2/24

Right Out: 0.016+/-0.000 χ^2/NDF : 26679628.4/32

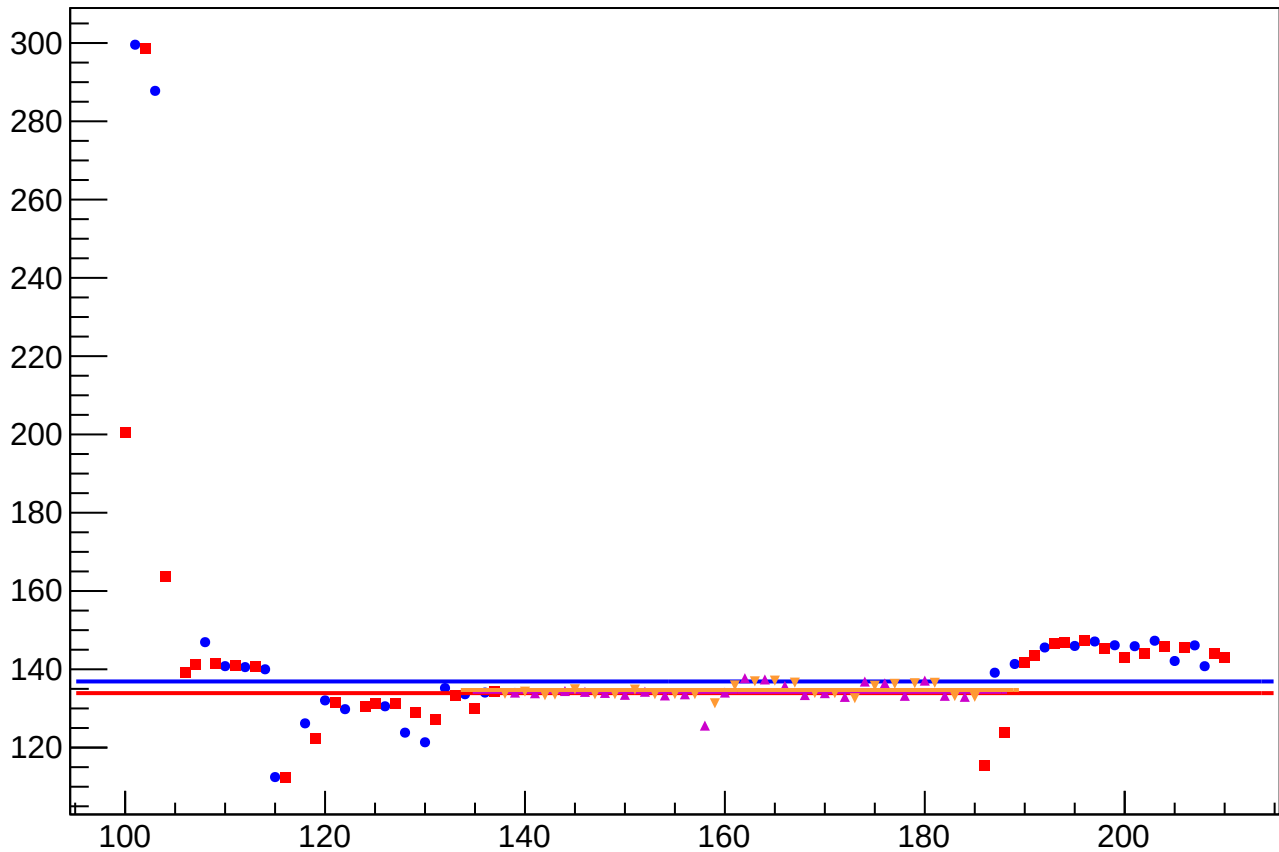
Left In: 0.666+/-0.000 χ^2/NDF : 536078.9/22

+ sign 0.019+/-0.000 χ^2/NDF : 52342828.3/51

All: 0.018+/-0.000 χ^2/NDF : 106914938.4/107

- sign 0.018+/-0.000 χ^2/NDF : 54569969.6/55

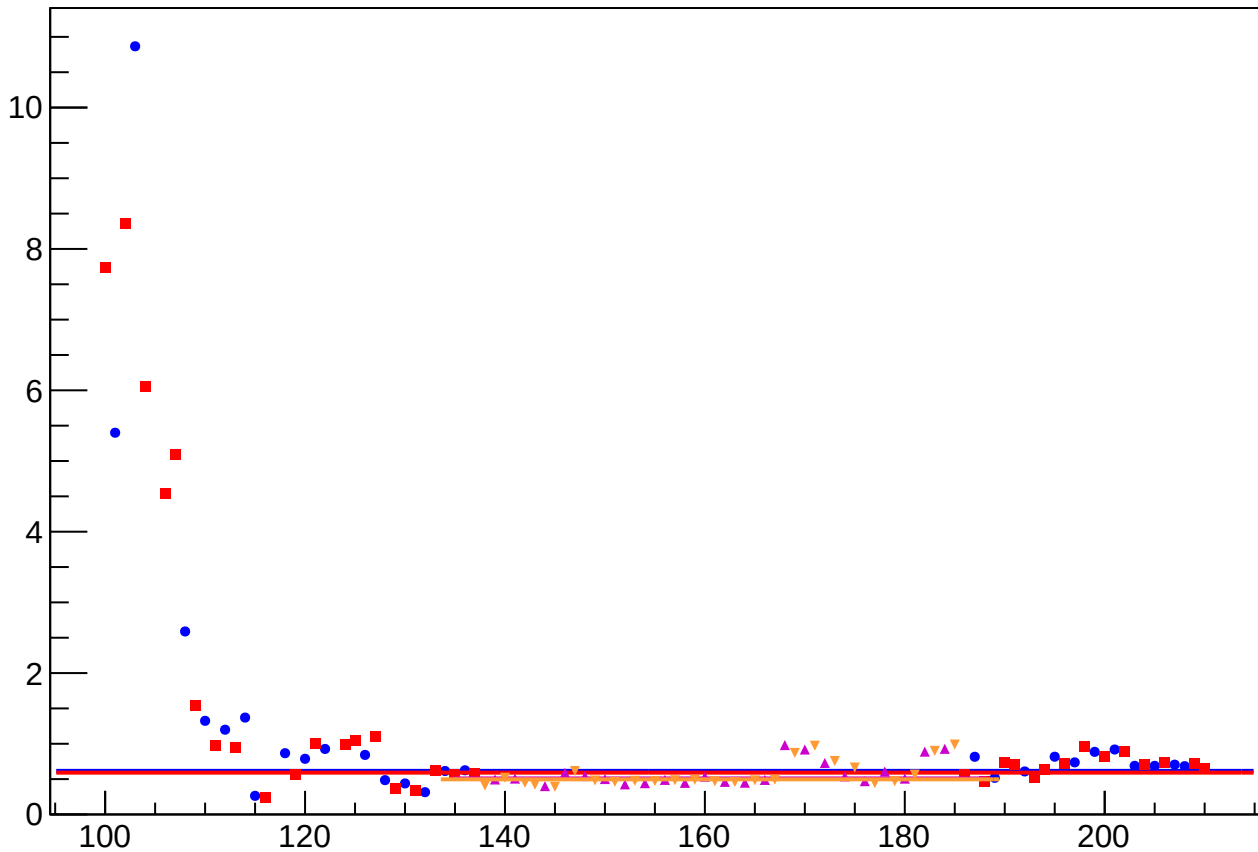
yield_cav4cQ_mean vs Slug



Right In: 136.894 $\pm$ 0.000 χ^2 /NDF: 3477891474.5/26
 Left Out: 134.714 $\pm$ 0.000 χ^2 /NDF:159886495.0/24
 Right Out: 133.913 $\pm$ 0.000 χ^2 /NDF: 5325305630.6/32
 Left In: 134.250 $\pm$ 0.000 χ^2 /NDF:441522664.4/22

+ sign 135.352 $\pm$ 0.000 χ^2 /NDF: 3730873532.1/51
 All: 134.737 $\pm$ 0.000 χ^2 /NDF: 9571413382.6
 - sign 134.127 $\pm$ 0.000 χ^2 /NDF: 5769337915.6/55

yield_cav4cQ_rms vs Slug



Right In: 0.617 $\pm$ 0.000 χ^2 /NDF: 4900218.1/26

Left Out: 0.497 $\pm$ 0.000 χ^2 /NDF:1572512.9/24

Right Out: 0.592 $\pm$ 0.000 χ^2 /NDF: 6016858.5/32

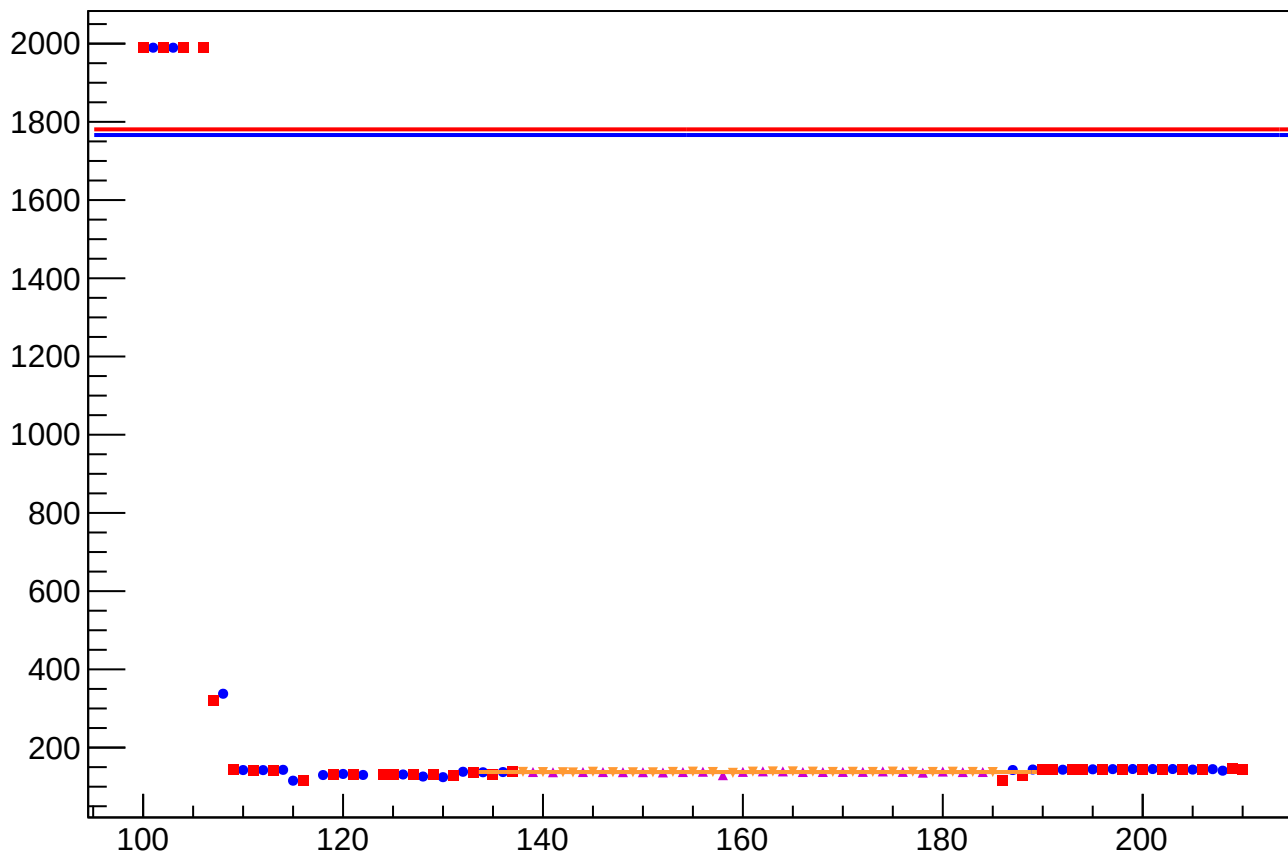
Left In: 0.510 $\pm$ 0.000 χ^2 /NDF:1485489.4/22

+ sign 0.532 $\pm$ 0.000 χ^2 /NDF: 7033474.2/51

All: 0.536 $\pm$ 0.000 χ^2 /NDF: 14838190.3/107

- sign 0.540 $\pm$ 0.000 χ^2 /NDF: 7799215.9/55

yield_cav4dQ_mean vs Slug



Right In: 1766.312+/-0.000 χ^2/NDF : 216969138711648.6/26

Left Out: 137.578+/-0.000 χ^2/NDF : 64111345.2/24

+ sign 1546.834+/-0.000 χ^2/NDF : 43007752249445

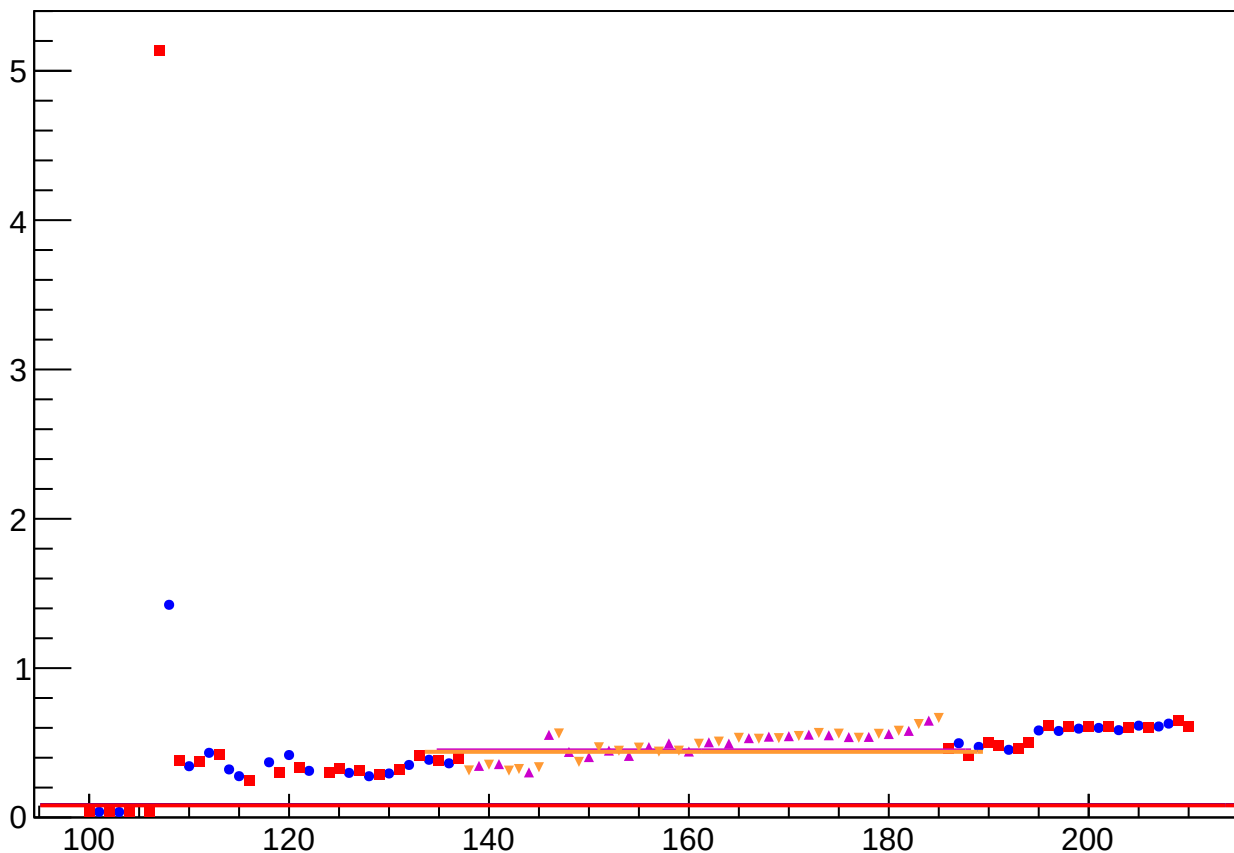
All: 1576.847+/-0.000 χ^2/NDF : 87636604559

Right Out: 1780.793+/-0.000 χ^2/NDF : 240643317622397.4/32

- sign 1603.176+/-0.000 χ^2/NDF : 44512342554827

Left In: 137.349+/-0.000 χ^2/NDF : 248752254.7/22

yield_cav4dQ_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF : 20658056.7/26

Left Out: 0.440+/-0.000 χ^2/NDF :1765604.0/24

Right Out: 0.081+/-0.000 χ^2/NDF : 23531098.4/32

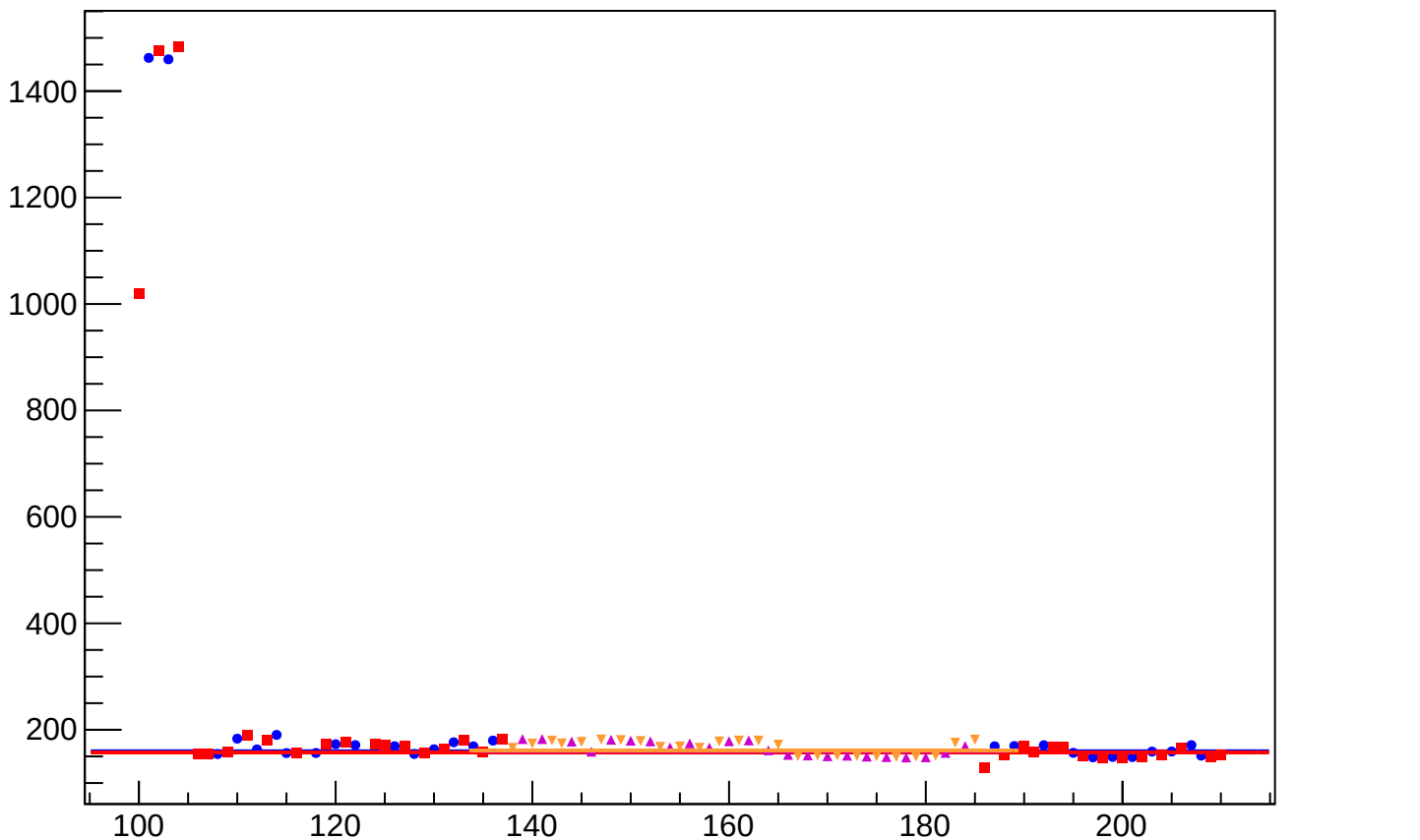
Left In: 0.449+/-0.000 χ^2/NDF :1340860.2/22

+ sign 0.131+/-0.000 χ^2/NDF : 42807658.1/51

All: 0.126+/-0.000 χ^2/NDF : 88279687.4/107

- sign 0.121+/-0.000 χ^2/NDF : 45391920.5/55

yield_bcm0l02_mean vs Slug



Right In: 159.586+/-0.000 χ^2/NDF : 1585386678.3/26

Left Out: 161.147+/-0.000 χ^2/NDF : 3739064587.8/24

Right Out: 157.433+/-0.000 χ^2/NDF : 18332273534.6/32

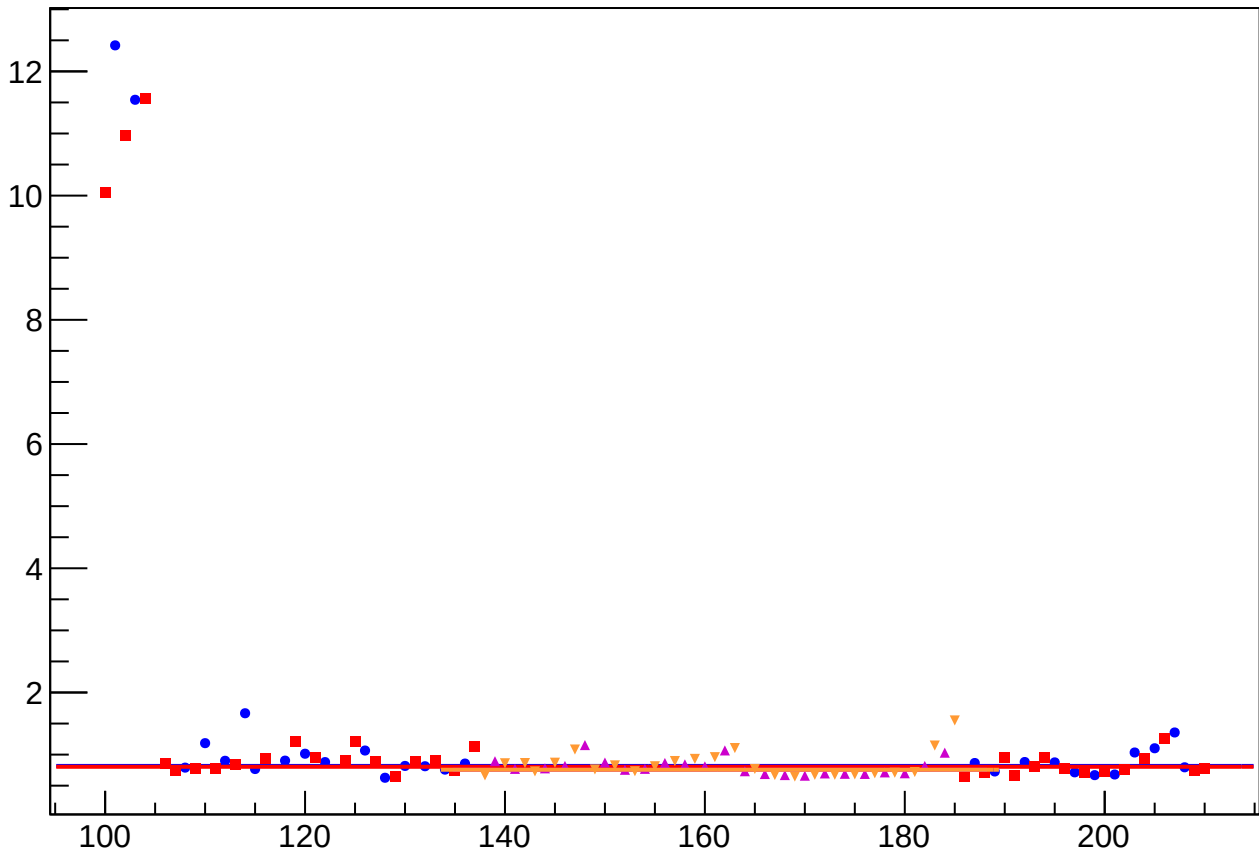
Left In: 160.140+/-0.000 χ^2/NDF : 3738383186.1/22

+ sign 160.541+/-0.000 χ^2/NDF : 19616155435.2/51

All: 159.699+/-0.000 χ^2/NDF : 41819763976.1/100

- sign 158.916+/-0.000 χ^2/NDF : 22148797285.3/55

yield_bcm0l02_rms vs Slug



Right In: 0.818 ± 0.000 χ^2/NDF : 2854415.4/26

Left Out: 0.756 ± 0.000 χ^2/NDF : 750259.3/24

Right Out: 0.804 ± 0.000 χ^2/NDF : 2627741.2/32

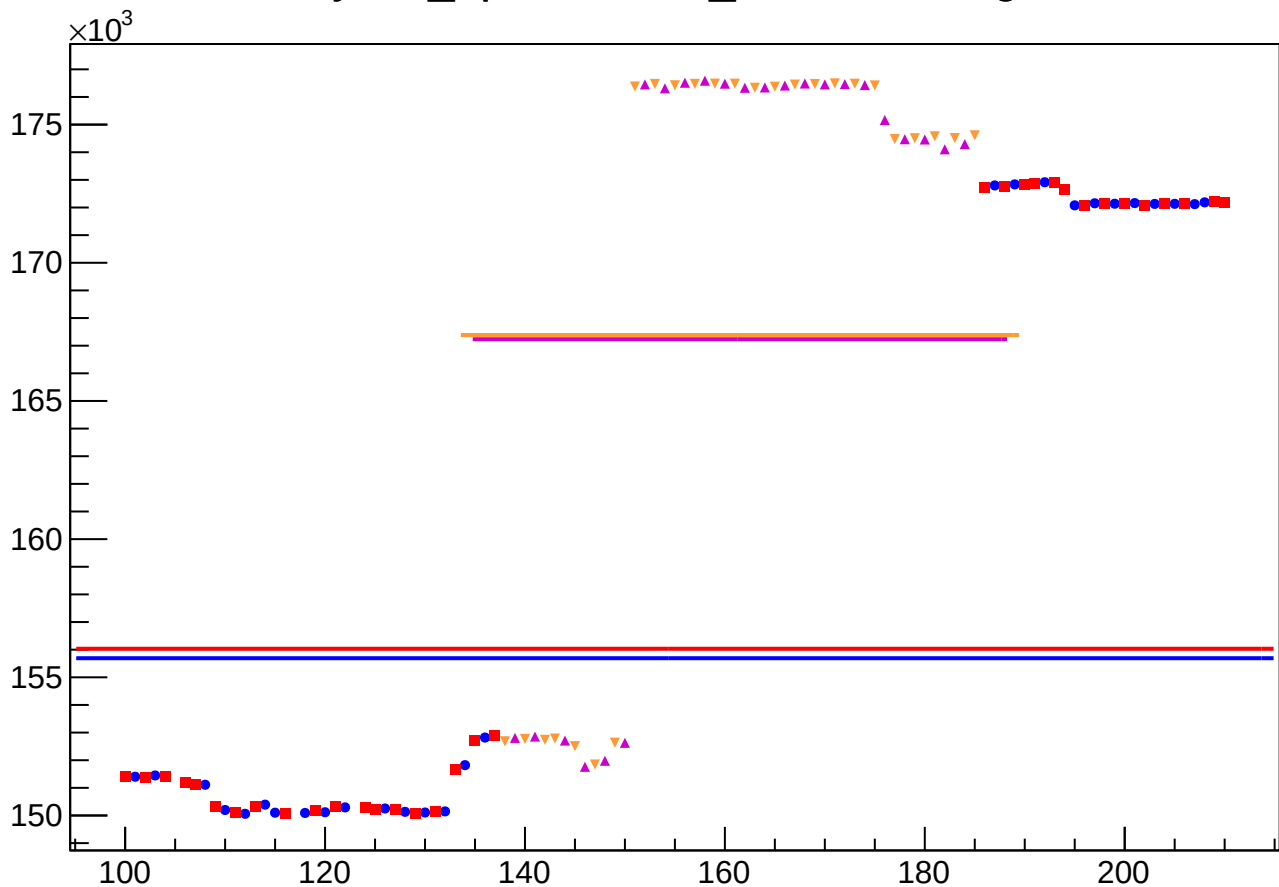
Left In: 0.755 ± 0.000 χ^2/NDF : 472792.1/22

+ sign 0.780 ± 0.000 χ^2/NDF : 3676560.2/51

All: 0.779 ± 0.000 χ^2/NDF : 6827738.3/107

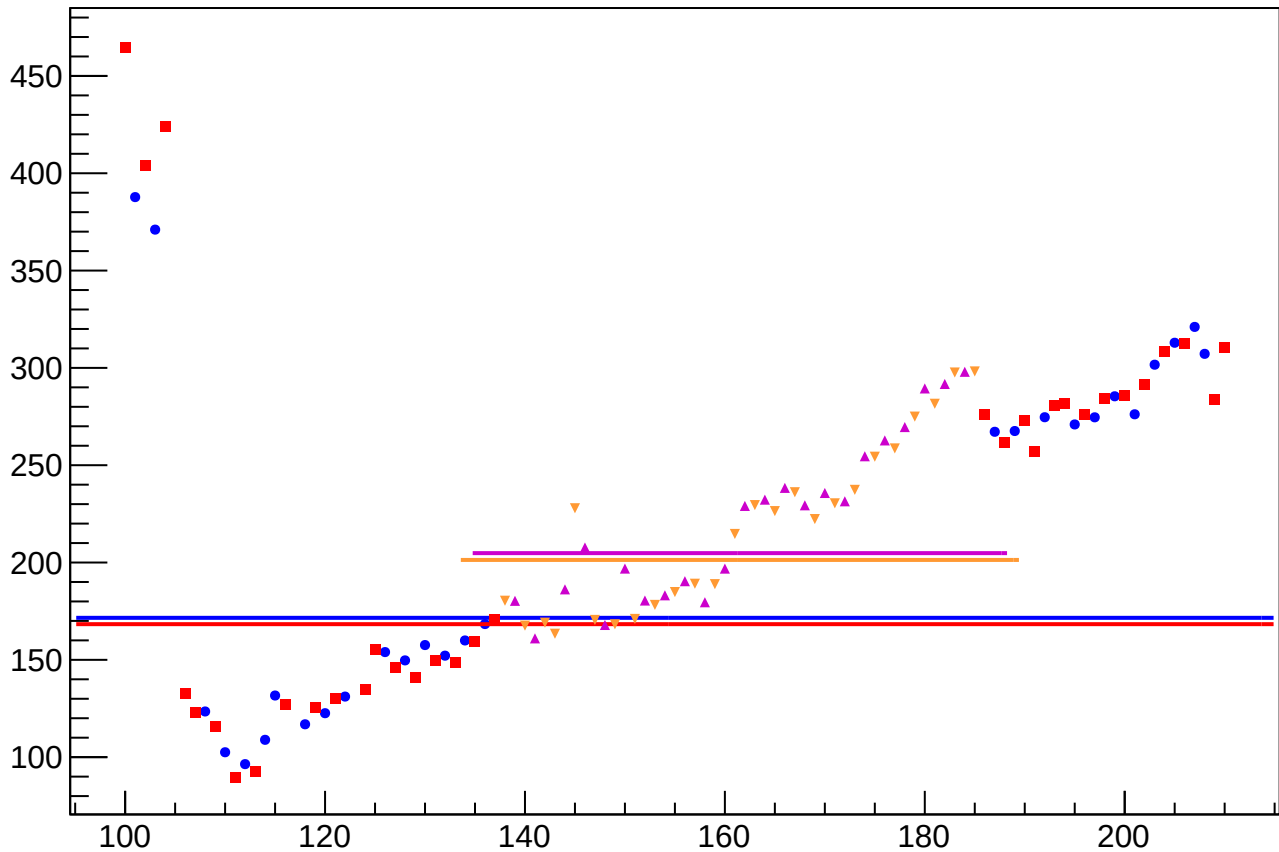
- sign 0.777 ± 0.000 χ^2/NDF : 3150858.2/55

yield_bpm2i01WS_mean vs Slug



Right In: 155691.153 ± 0.048 $\chi^2/\text{NDF}: 37573162164.0/26$
 Left Out: 167385.483 ± 0.047 $\chi^2/\text{NDF}: 59602607546.2/24$
 Right Out: 156033.567 ± 0.044 $\chi^2/\text{NDF}: 46141816016.7/32$
 Left In: 167234.214 ± 0.049 $\chi^2/\text{NDF}: 55099214555.0/22$
 All: 161357.911 ± 0.023 $\chi^2/\text{NDF}: 258157745$
 + sign: 161663.294 ± 0.033 $\chi^2/\text{NDF}: 127816546786$
 - sign: 161064.200 ± 0.033 $\chi^2/\text{NDF}: 130177159792$

yield_bpm2i01WS_rms vs Slug



Right In: 171.590 $\pm$ 0.034 χ^2 /NDF: 5107798.6/26

Left Out: 201.329 $\pm$ 0.033 χ^2 /NDF:1230655.6/24

Right Out: 168.331 $\pm$ 0.031 χ^2 /NDF: 6391218.3/32

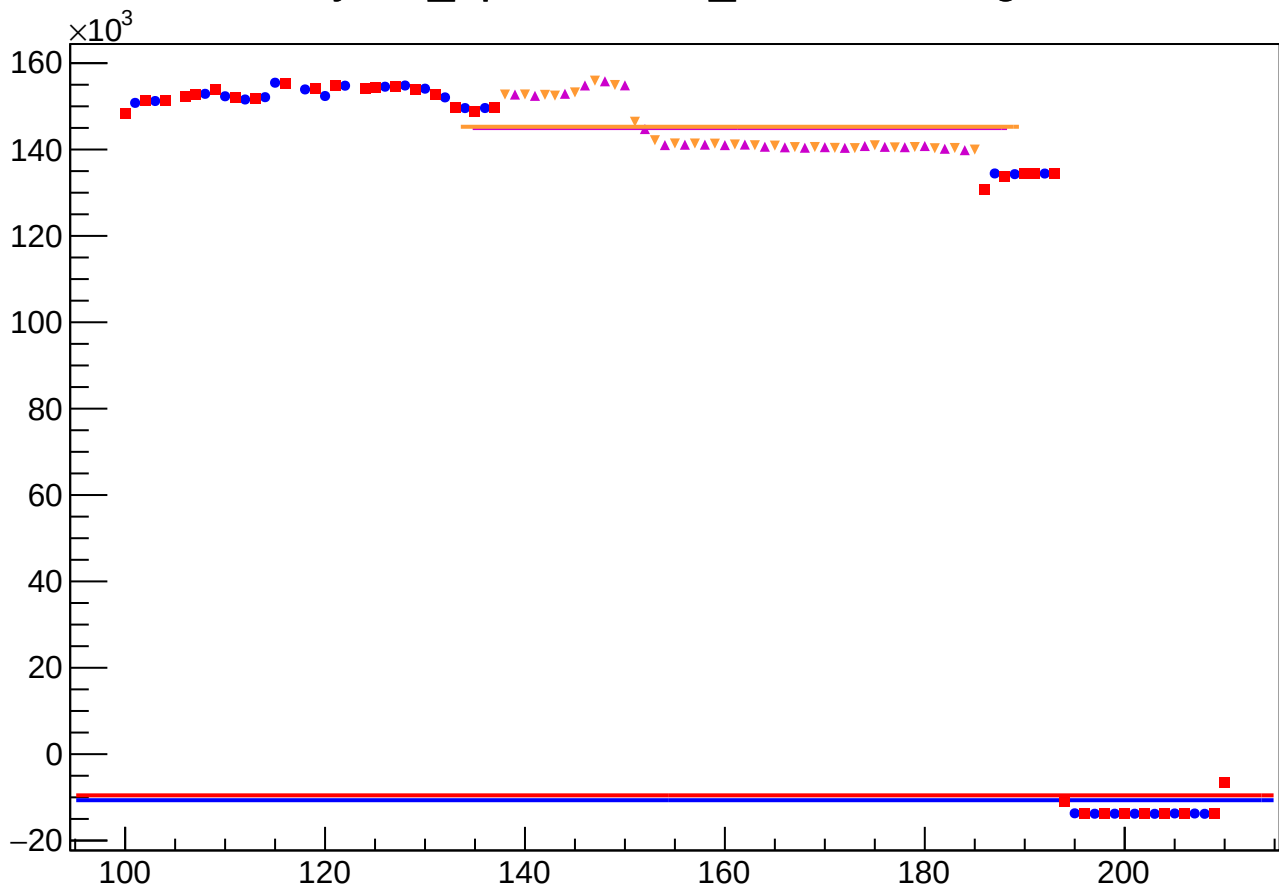
Left In: 204.826 $\pm$ 0.035 χ^2 /NDF:1053130.7/22

+ sign 186.777 $\pm$ 0.024 χ^2 /NDF: 6734749.7/51

All: 185.729 $\pm$ 0.017 χ^2 /NDF: 14797366.2/10

- sign 184.722 $\pm$ 0.023 χ^2 /NDF: 8058756.1/55

yield_bpm0i07WS_mean vs Slug



Right In: -10663.809+/-0.009

χ^2/NDF : 5870421332627.6/26

Left Out: 145269.857+/-0.049

χ^2/NDF : 13706269279.5/24

Right Out: -9538.702+/-0.009

χ^2/NDF : 7135883444738.4/32

Left In: 144966.398+/-0.051

χ^2/NDF : 13154547043.3/22

+ sign -5414.696+/-0.009

χ^2/NDF : 1551739641716

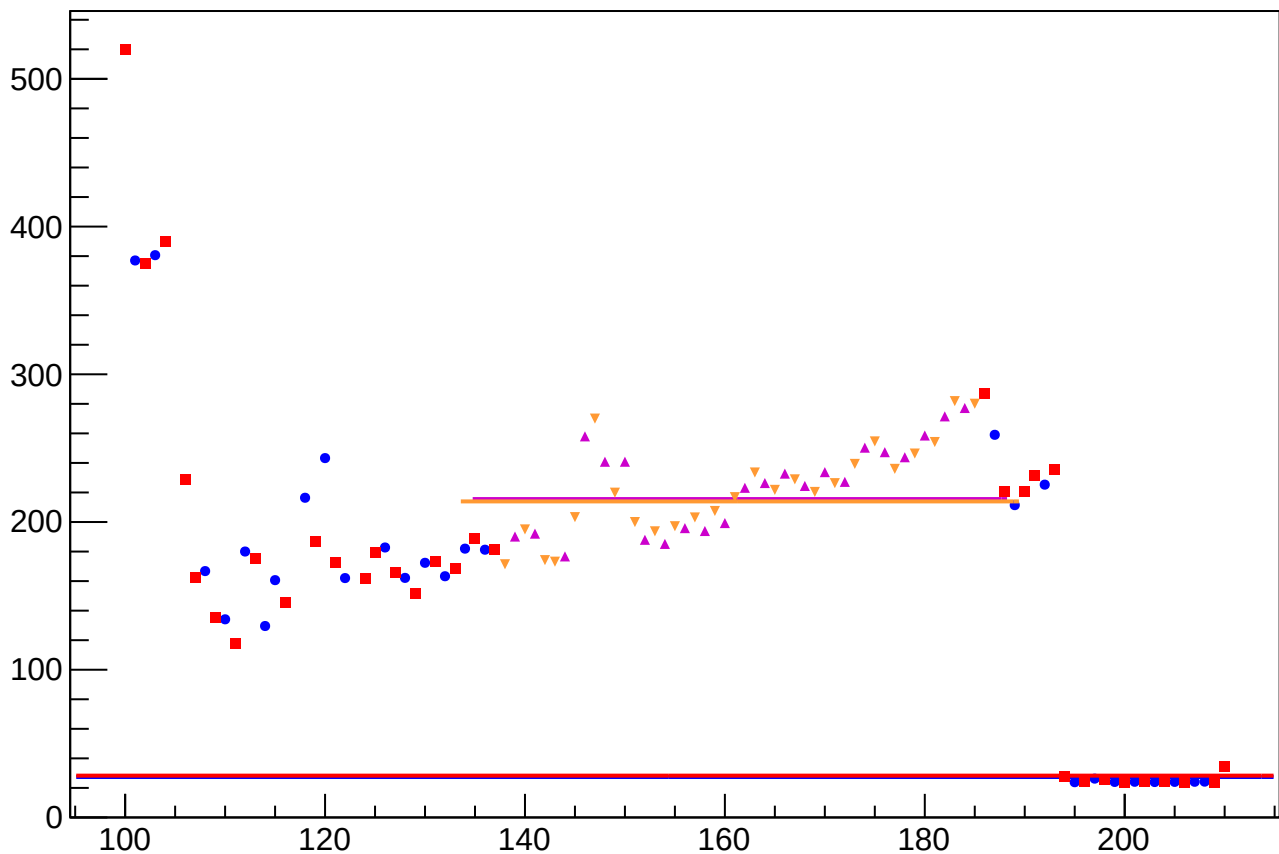
All: -4973.826+/-0.006

χ^2/NDF : 3148015430

- sign -4516.189+/-0.009

χ^2/NDF : 15957933392649

yield_bpm0i07WS_rms vs Slug



Right In: 27.396 ± 0.007 χ^2/NDF : 12665304.6/26

Left Out: 213.951 ± 0.035 χ^2/NDF : 650607.8/24

Right Out: 28.306 ± 0.007 χ^2/NDF : 14450120.5/32

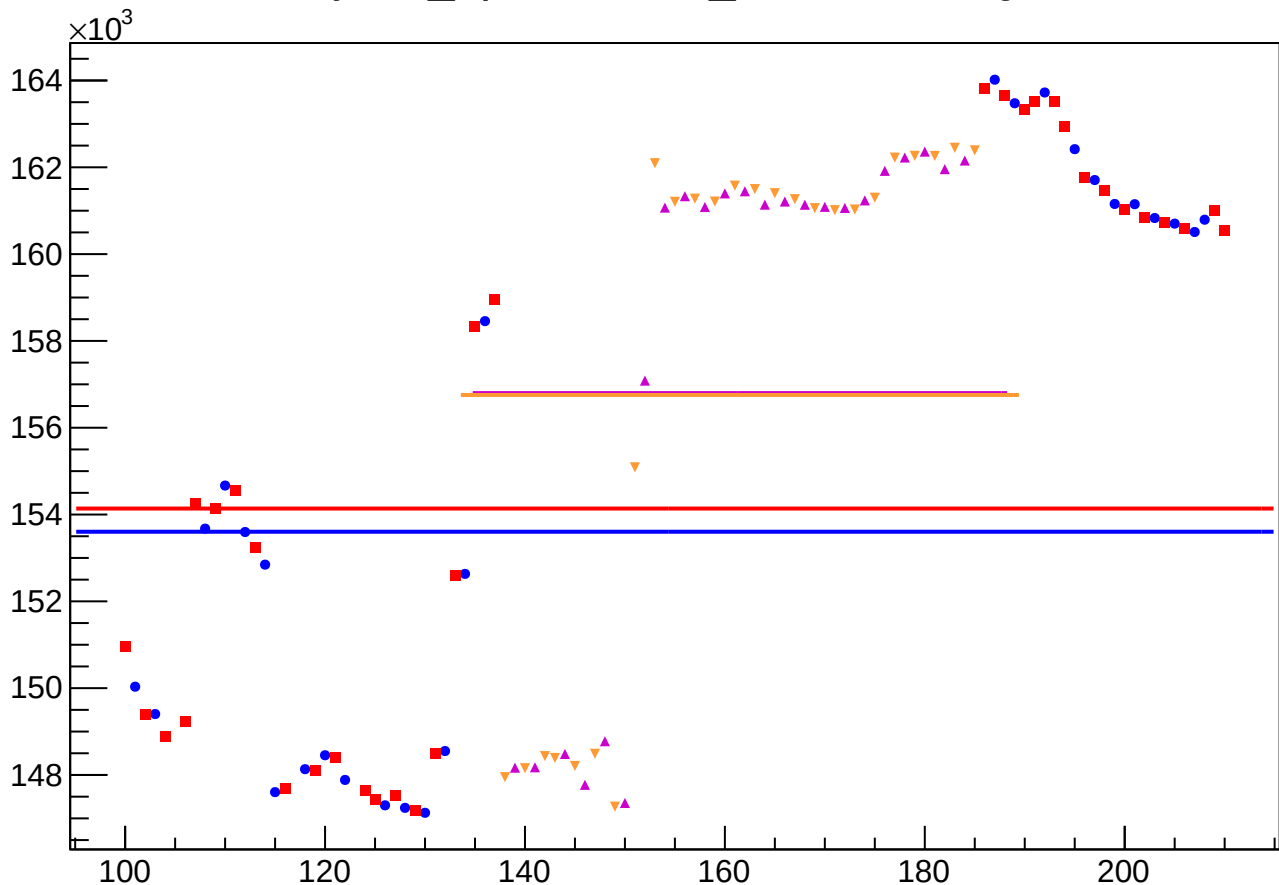
Left In: 215.539 ± 0.036 χ^2/NDF : 600575.7/22

+ sign 33.676 ± 0.006 χ^2/NDF : 40892246.1/51

All: 34.028 ± 0.005 χ^2/NDF : 81820879.2/107

- sign 34.393 ± 0.007 χ^2/NDF : 40922496.7/55

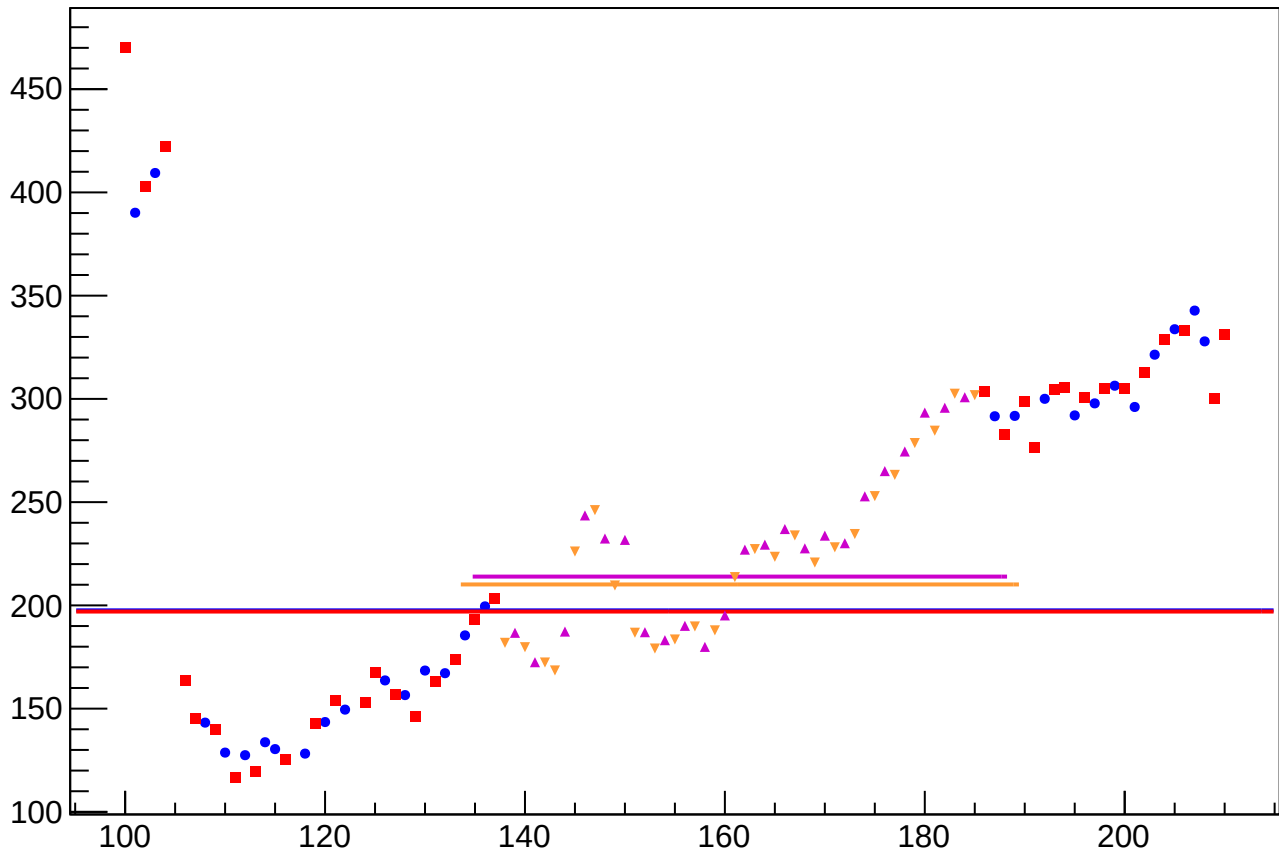
yield_bpm0i01WS_mean vs Slug



Right In: 153603.900 ± 0.054 $\chi^2/\text{NDF}: 11387723979.5/26$
 Left Out: 156754.233 ± 0.049 $\chi^2/\text{NDF}: 16380807583.4/24$
 Right Out: 154138.328 ± 0.051 $\chi^2/\text{NDF}: 12877830411.6/32$
 Left In: 156798.005 ± 0.051 $\chi^2/\text{NDF}: 14344098884.4/22$

+ sign 155345.420 ± 0.036 $\chi^2/\text{NDF}: 29644552358.6/24$
 - sign 155462.441 ± 0.036 $\chi^2/\text{NDF}: 28590234398.6/24$
 All: 155404.276 ± 0.025 $\chi^2/\text{NDF}: 582400530.0/24$

yield_bpm0i01WS_rms vs Slug



Right In: 197.597 $\pm$ 0.038 χ^2 /NDF: 4266848.4/26

Left Out: 210.142 $\pm$ 0.034 χ^2 /NDF: 997802.7/24

Right Out: 197.019 $\pm$ 0.036 χ^2 /NDF: 5095237.8/32

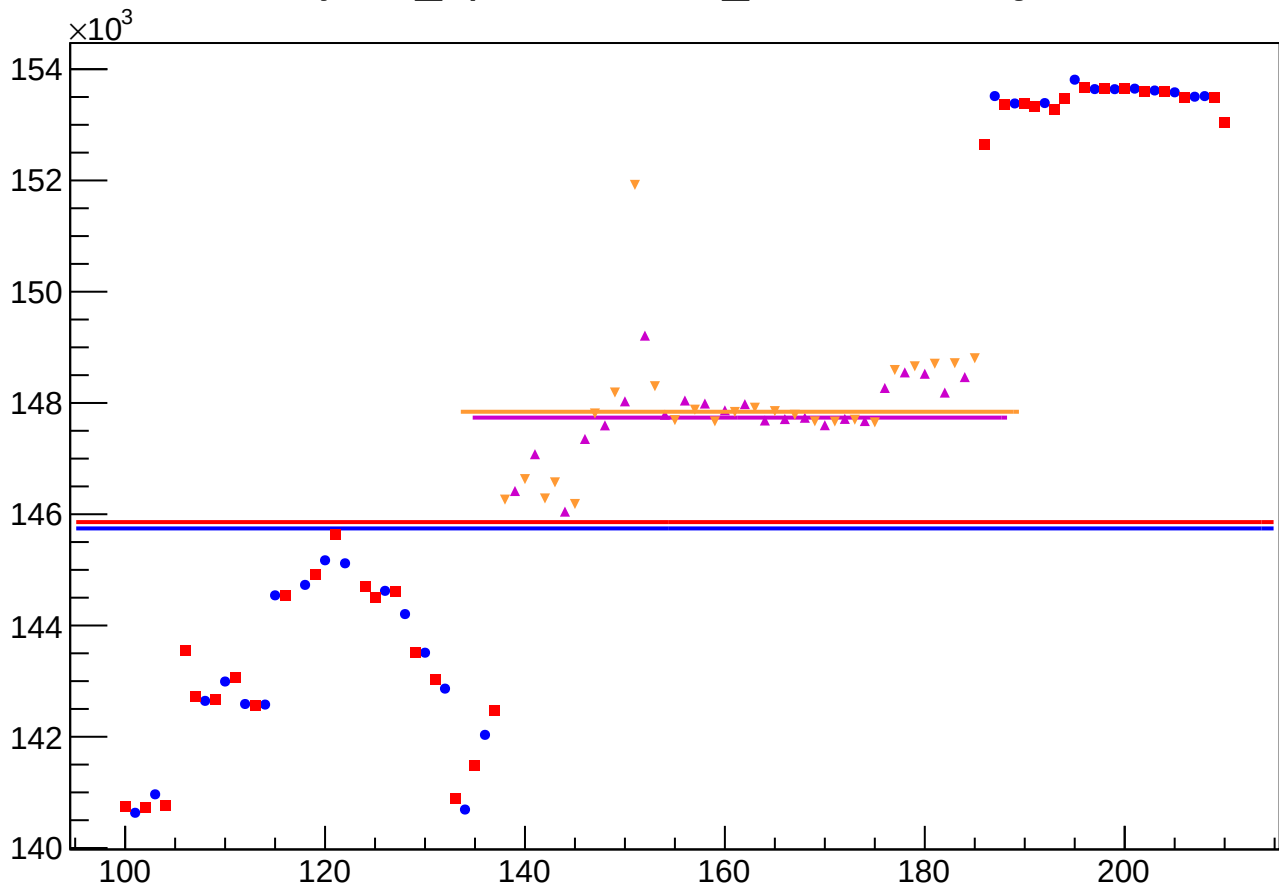
Left In: 213.945 $\pm$ 0.036 χ^2 /NDF: 914465.3/22

+ sign 204.532 $\pm$ 0.026 χ^2 /NDF: 5324149.5/51

All: 204.991 $\pm$ 0.018 χ^2 /NDF: 11445329.6/10

- sign 205.446 $\pm$ 0.025 χ^2 /NDF: 6120538.0/55

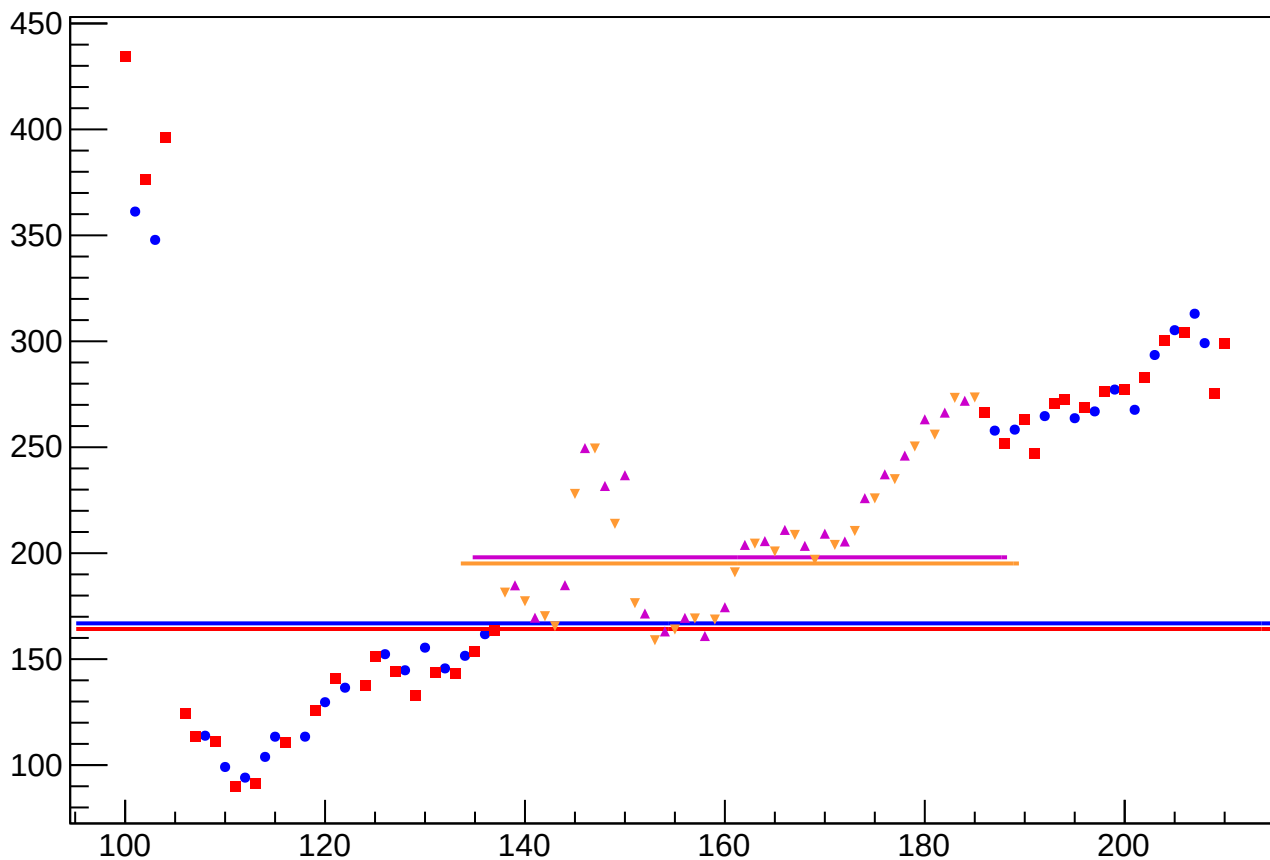
yield_bpm0i01aWS_mean vs Slug



Right In: 145744.734 $\pm$ 0.046 χ^2 /NDF: 9376803722.3/26
 Left Out: 147842.157 $\pm$ 0.045 χ^2 /NDF: 713066054.2/24
 Right Out: 145858.748 $\pm$ 0.043 χ^2 /NDF: 11199088727.4/32
 Left In: 147736.722 $\pm$ 0.047 χ^2 /NDF: 227077133.0/22

+ sign 146823.044 $\pm$ 0.032 χ^2 /NDF: 11139326838.
 All: 146765.380 $\pm$ 0.023 χ^2 /NDF: 234379740.
 - sign 146709.821 $\pm$ 0.032 χ^2 /NDF: 12292412184.1

yield_bpm0i01aWS_rms vs Slug



Right In: 166.882 $\pm$ 0.033 χ^2 /NDF: 5057326.7/26

Left Out: 195.145 $\pm$ 0.032 χ^2 /NDF: 903994.2/24

Right Out: 164.221 $\pm$ 0.030 χ^2 /NDF: 6236702.2/32

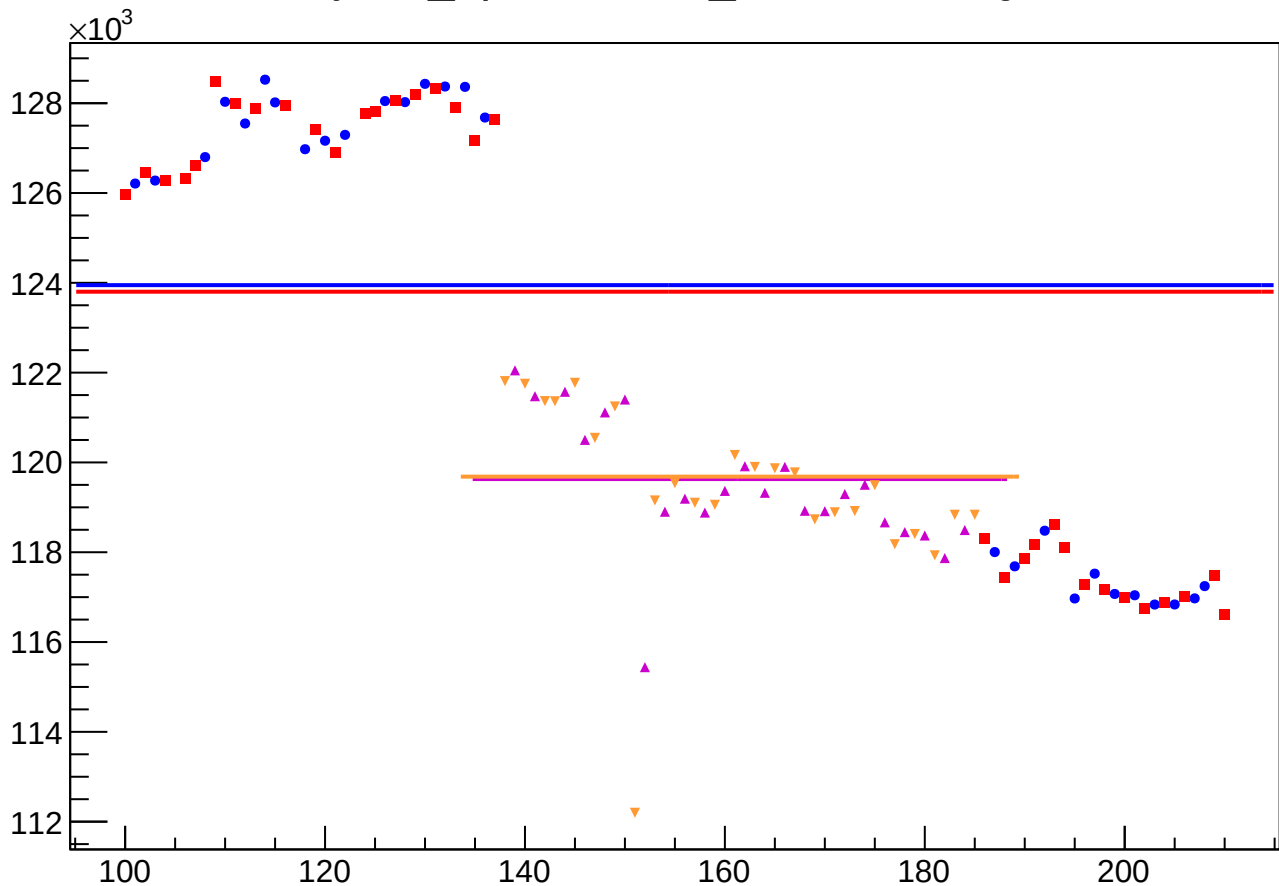
Left In: 198.057 $\pm$ 0.033 χ^2 /NDF: 900359.1/22

+ sign 181.413 $\pm$ 0.023 χ^2 /NDF: 6342450.4/51

All: 180.466 $\pm$ 0.016 χ^2 /NDF: 14045272.7/10

- sign 179.555 $\pm$ 0.022 χ^2 /NDF: 7699465.1/55

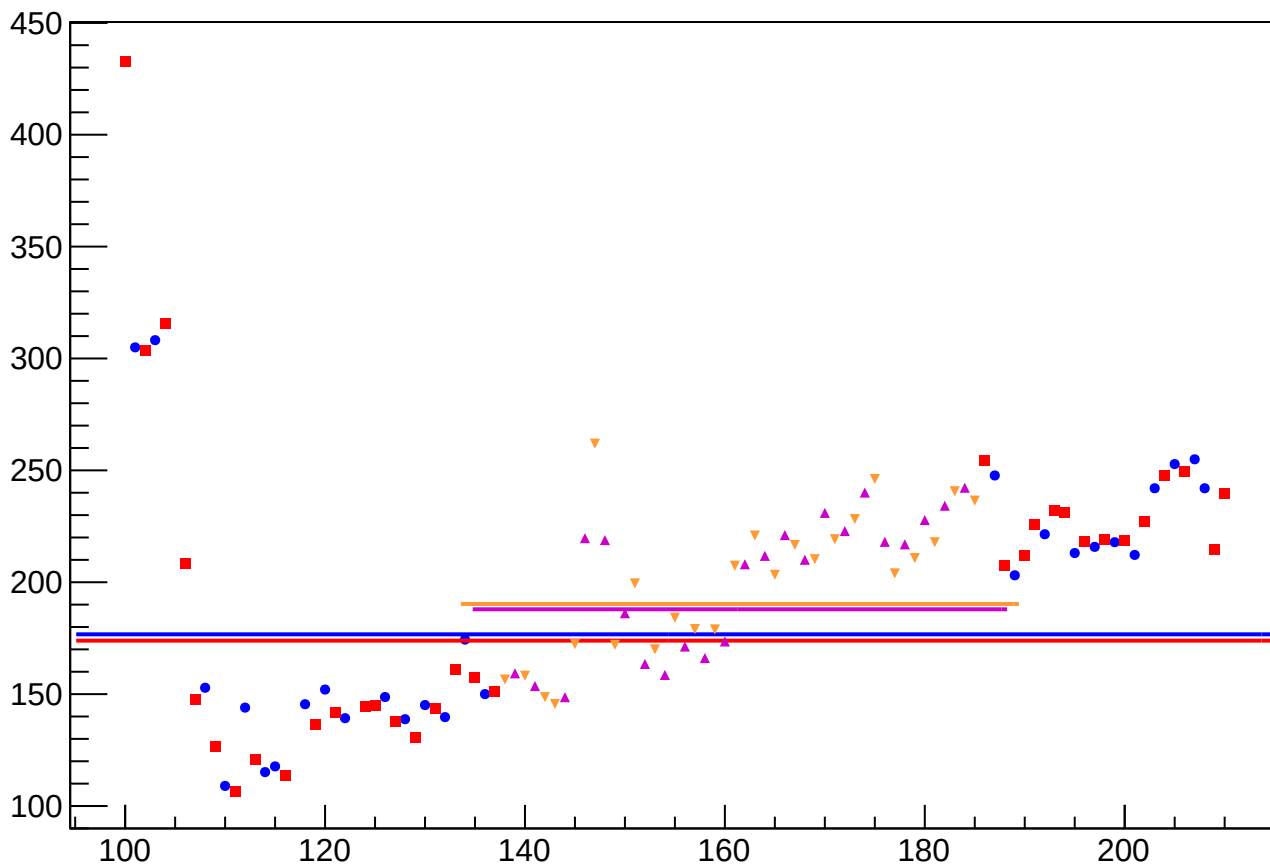
yield_bpm0l01WS_mean vs Slug



Right In: 123948.372 ± 0.047 $\chi^2/\text{NDF}: 11599058368.7/26$
 Left Out: 119683.519 ± 0.044 $\chi^2/\text{NDF}: 1985993997.6/24$
 Right Out: 123802.141 ± 0.043 $\chi^2/\text{NDF}: 13676333145.0/32$
 Left In: 119629.600 ± 0.045 $\chi^2/\text{NDF}: 1317214801.7/22$

+ sign 121702.310 ± 0.032 $\chi^2/\text{NDF}: 17979329959.9$
 All: 121751.665 ± 0.022 $\chi^2/\text{NDF}: 374485216.0$
 - sign 121798.154 ± 0.031 $\chi^2/\text{NDF}: 19464607382.7$

yield_bpm0l01WS_rms vs Slug



Right In: 176.724 ± 0.033 χ^2/NDF : 2205262.7/26

Left Out: 190.298 ± 0.031 χ^2/NDF : 924542.3/24

Right Out: 173.910 ± 0.031 χ^2/NDF : 2904483.2/32

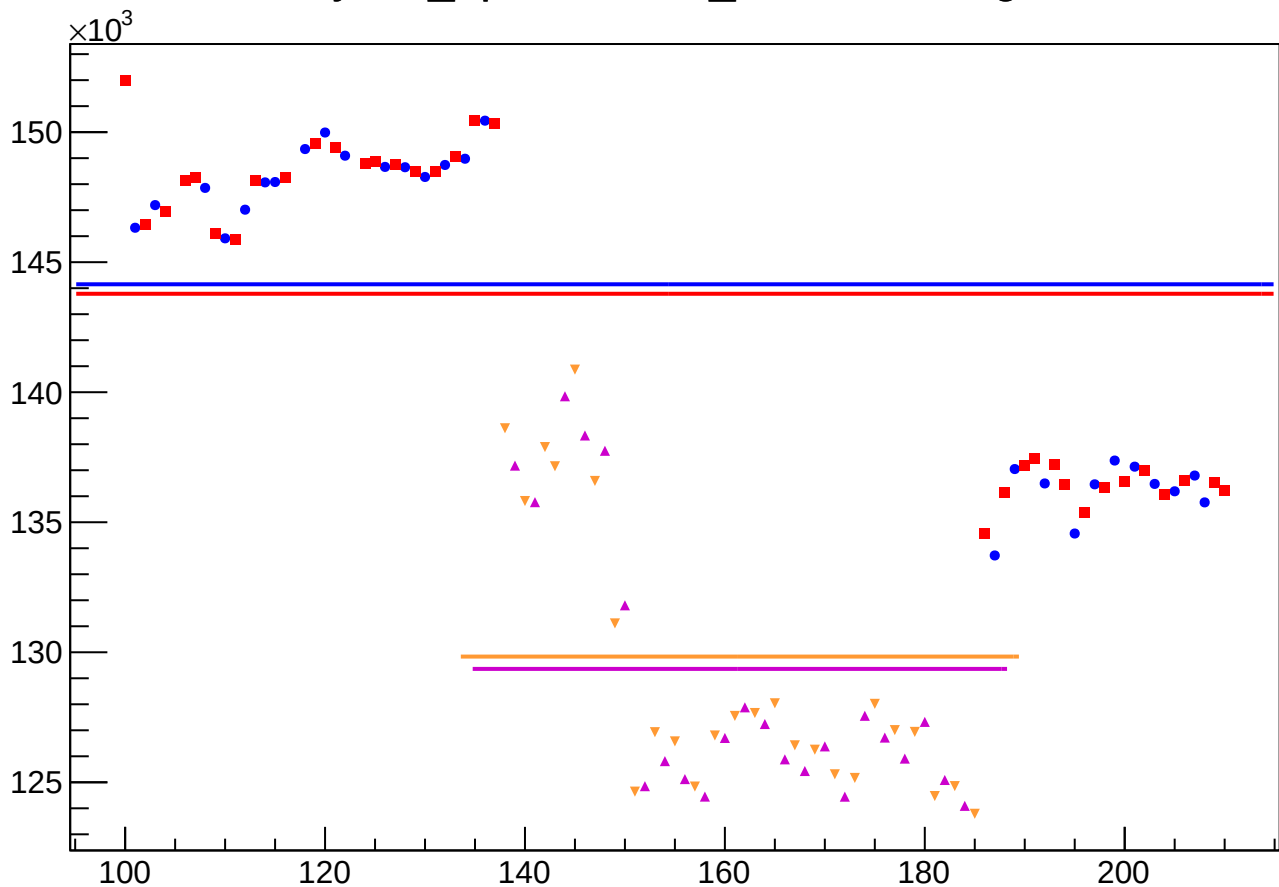
Left In: 187.909 ± 0.032 χ^2/NDF : 926037.0/22

+ sign 183.872 ± 0.023 χ^2/NDF : 3218833.7/51

All: 182.205 ± 0.016 χ^2/NDF : 7160468.2/107

- sign 180.634 ± 0.022 χ^2/NDF : 3931165.8/55

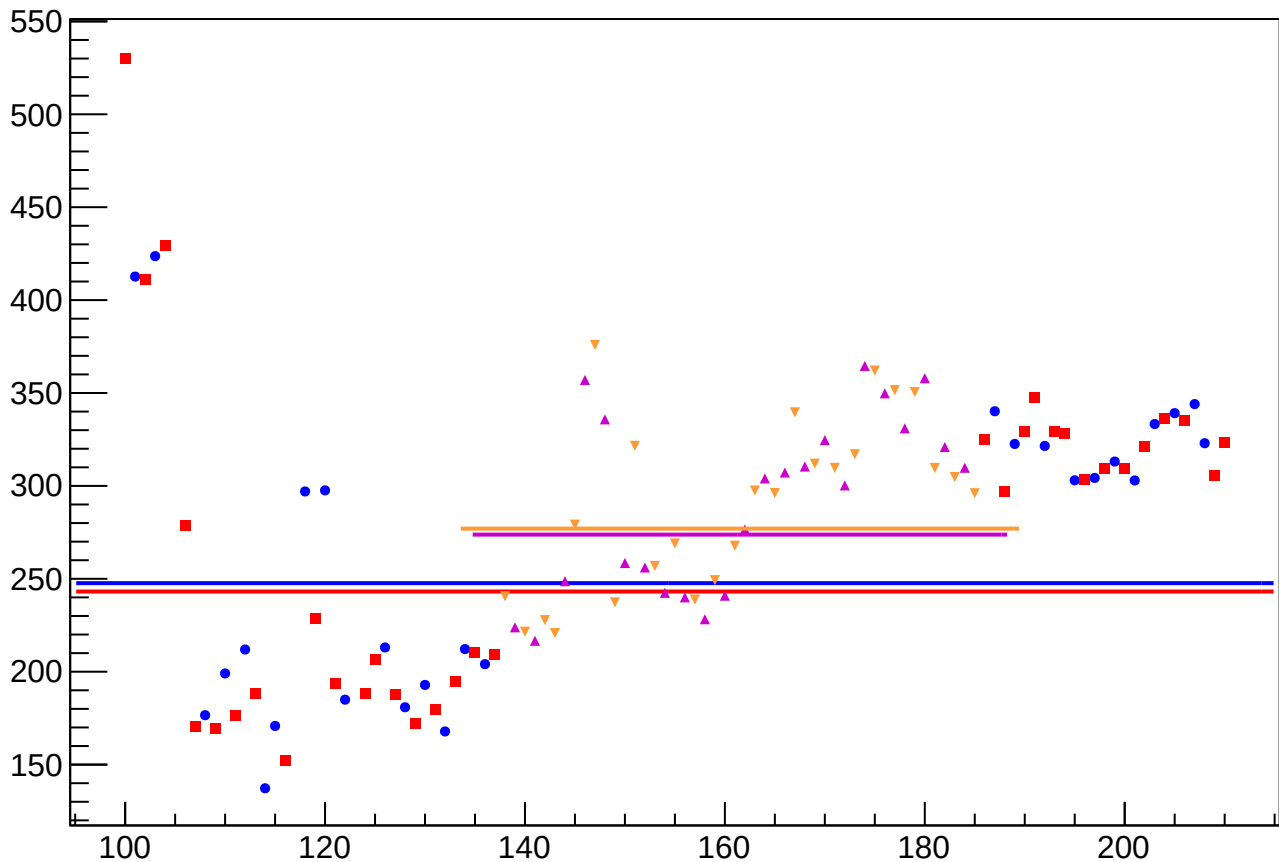
yield_bpm0l02WS_mean vs Slug



Right In: 144150.372 $\pm$ 0.066 χ^2 /NDF: 8217068066.4/26
 Left Out: 129834.437 $\pm$ 0.064 χ^2 /NDF: 6793515279.7/24
 Right Out: 143785.322 $\pm$ 0.060 χ^2 /NDF: 9455460314.9/32
 Left In: 129360.487 $\pm$ 0.065 χ^2 /NDF: 6626094577.9/22

+ sign 136838.690 $\pm$ 0.046 χ^2 /NDF: 39339874393.
 All: 136992.333 $\pm$ 0.032 χ^2 /NDF: 817040025.
 - sign 137136.034 $\pm$ 0.044 χ^2 /NDF: 42342425027.3

yield_bpm0l02WS_rms vs Slug



Right In: 247.664 $\pm$ 0.046 χ^2 /NDF: 2368701.7/26

Left Out: 277.021 $\pm$ 0.045 χ^2 /NDF:946602.2/24

Right Out: 243.161 $\pm$ 0.043 χ^2 /NDF: 2817556.8/32

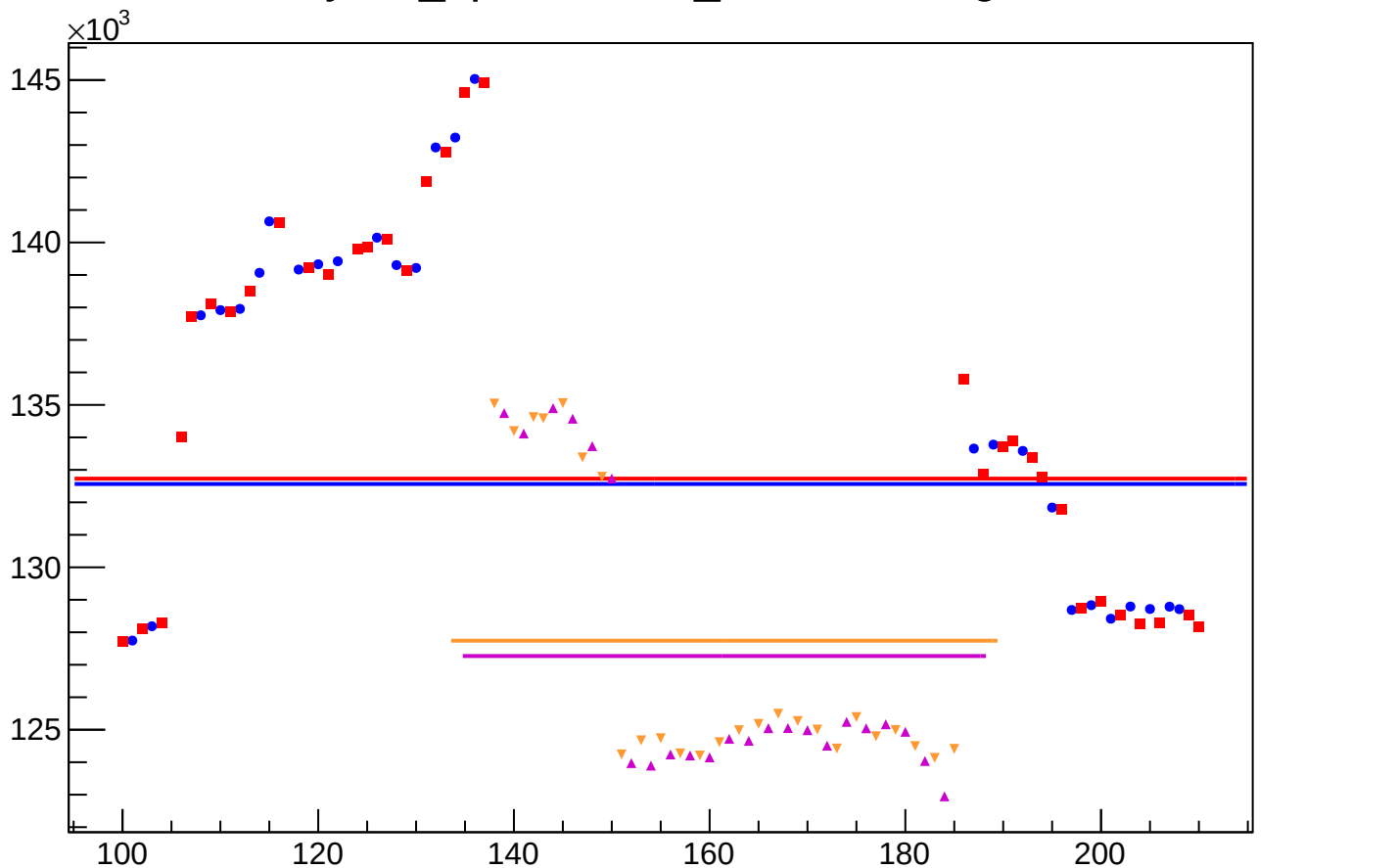
Left In: 273.784 $\pm$ 0.046 χ^2 /NDF:1003910.6/22

+ sign 262.658 $\pm$ 0.032 χ^2 /NDF: 3519920.1/51

All: 259.878 $\pm$ 0.023 χ^2 /NDF: 7592306.7/107

- sign 257.277 $\pm$ 0.031 χ^2 /NDF: 4058175.5/55

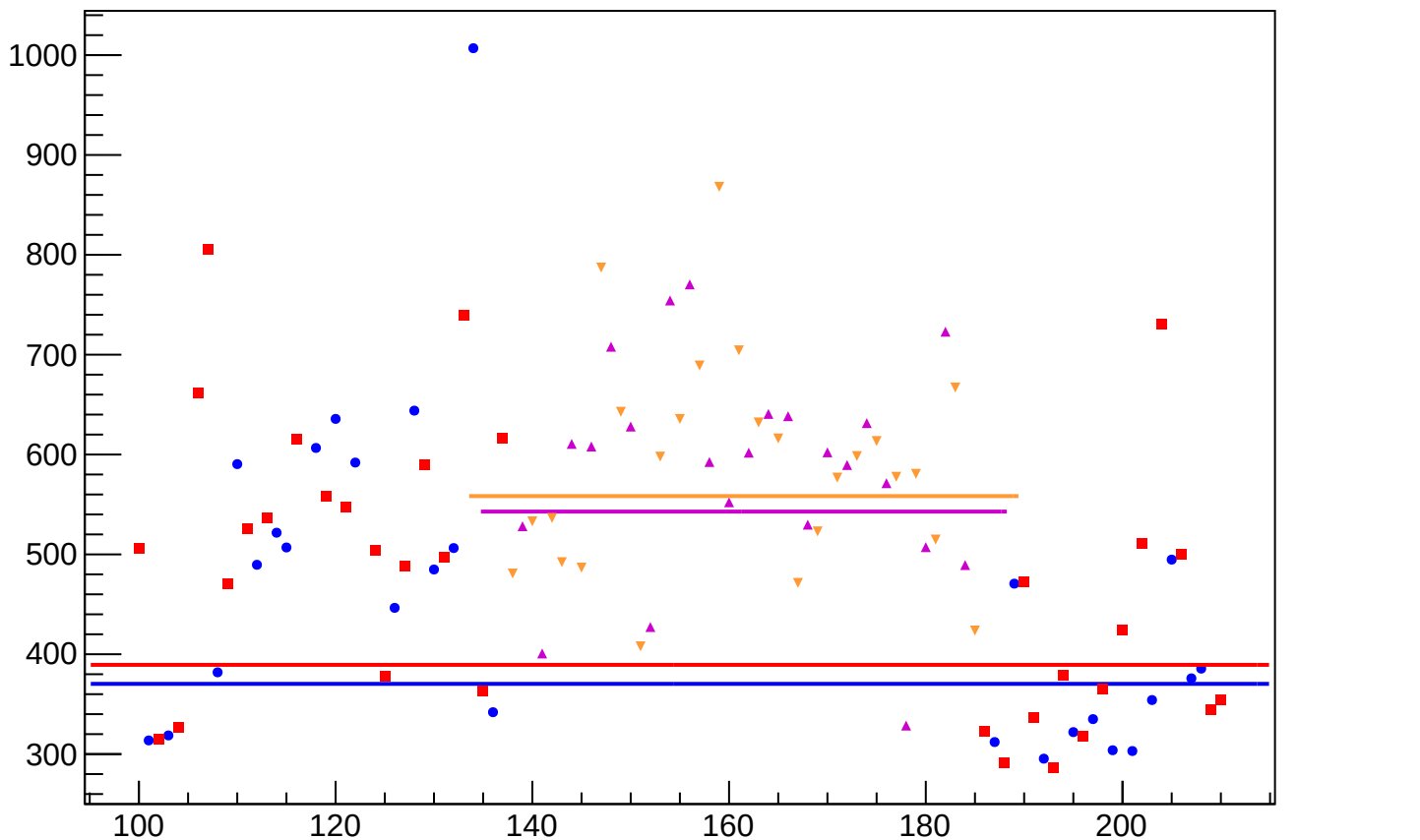
yield_bpm0l03WS_mean vs Slug



Right In: 132565.444 ± 0.106 χ^2/NDF : 2661023162.0/26
 Left Out: 127741.156 ± 0.136 χ^2/NDF : 1092529845.6/24
 Right Out: 132729.032 ± 0.105 χ^2/NDF : 1971761140.9/32
 Left In: 127268.542 ± 0.139 χ^2/NDF : 971404491.0/22

+ sign 130741.882 ± 0.083 χ^2/NDF : 4541138264.3
 All: 130738.383 ± 0.059 χ^2/NDF : 846961649
 - sign 130734.851 ± 0.084 χ^2/NDF : 3928474691.3

yield_bpm0l03WS_rms vs Slug



Right In: 370.348 ± 0.075 $\chi^2/\text{NDF}: 1575924.4/26$

Left Out: 558.373 ± 0.096 $\chi^2/\text{NDF}: 968289.3/24$

Right Out: 389.387 ± 0.074 $\chi^2/\text{NDF}: 1999023.3/32$

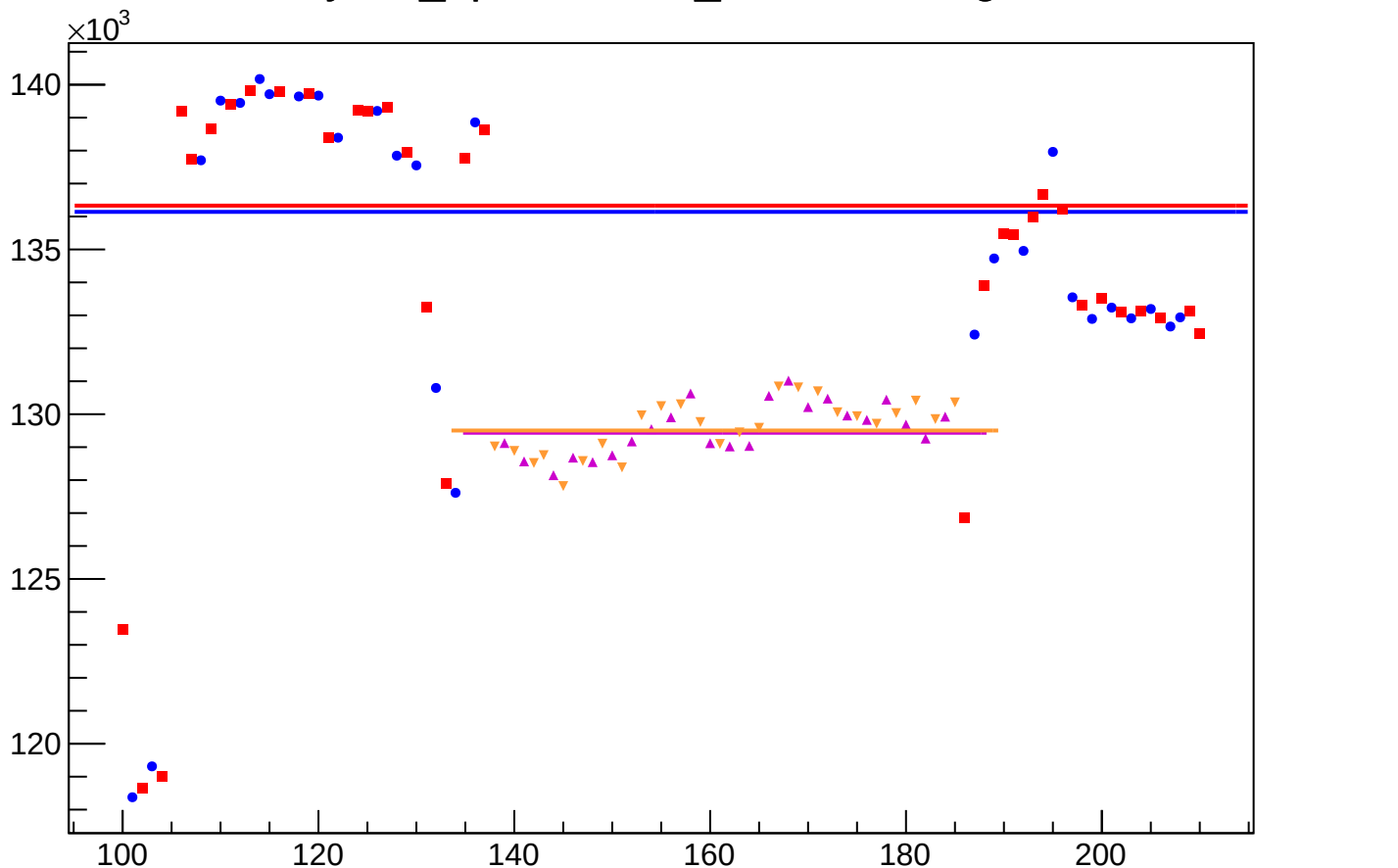
Left In: 542.872 ± 0.098 $\chi^2/\text{NDF}: 1416690.9/22$

+ sign 441.421 ± 0.059 $\chi^2/\text{NDF}: 4936939.5/51$

All: 443.420 ± 0.042 $\chi^2/\text{NDF}: 9911908.6/107$

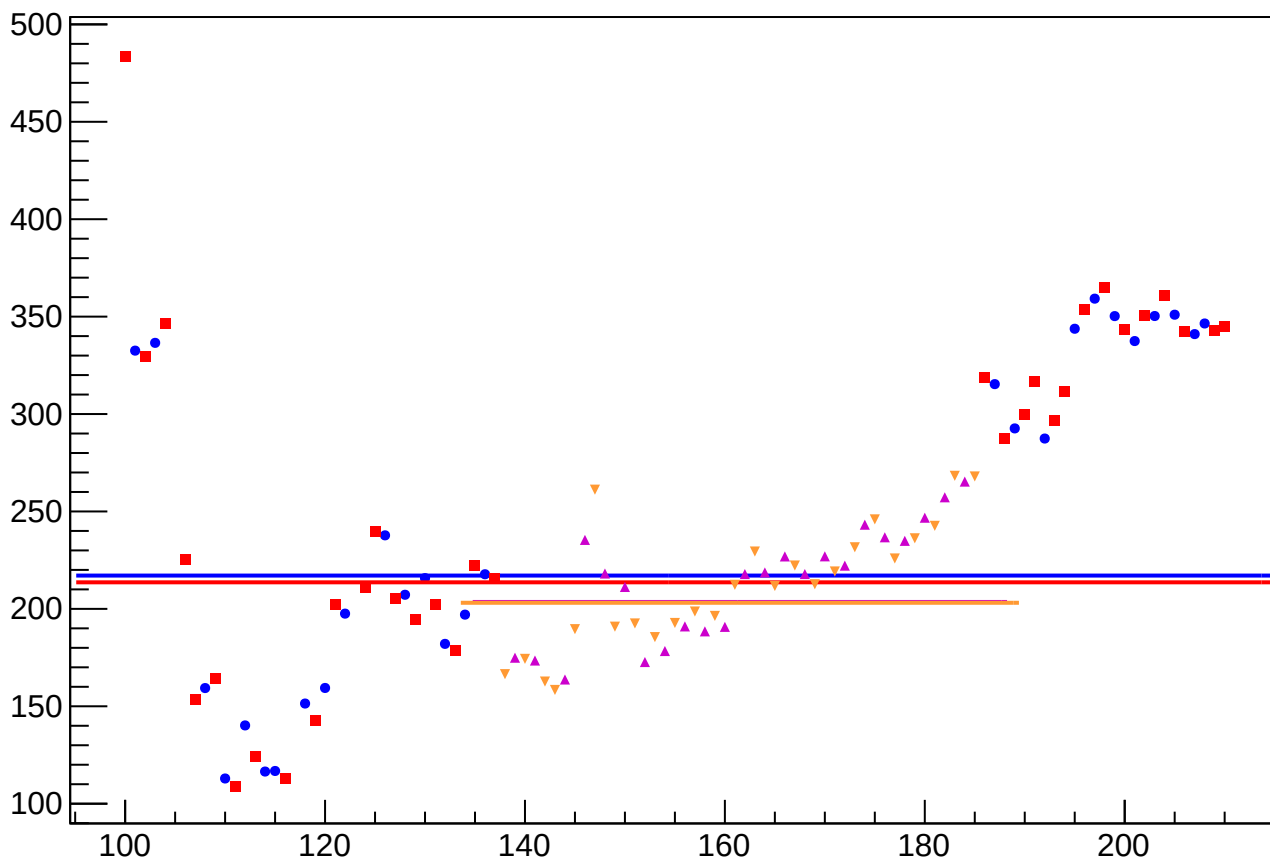
- sign 445.440 ± 0.059 $\chi^2/\text{NDF}: 4972655.1/55$

yield_bpm0l04WS_mean vs Slug



Right In: 136140.593 $\pm$ 0.060	χ^2/NDF : 6504776737.4/26	+ sign 132052.722 $\pm$ 0.037	χ^2/NDF : 14458450102.
Left Out: 129504.922 $\pm$ 0.047	χ^2/NDF : 299464438.2/24	All: 132245.378 $\pm$ 0.026	χ^2/NDF : 305043577.
Right Out: 136329.984 $\pm$ 0.055	χ^2/NDF : 6920466280.3/32	- sign 132433.139 $\pm$ 0.036	χ^2/NDF : 15992046007.5
Left In: 129437.551 $\pm$ 0.048	χ^2/NDF : 269025464.3/22		

yield_bpm0l04WS_rms vs Slug



Right In: 217.093 $\pm$ 0.042 χ^2 /NDF: 4106015.4/26

Left Out: 203.129 $\pm$ 0.033 χ^2 /NDF: 758448.5/24

Right Out: 213.624 $\pm$ 0.039 χ^2 /NDF: 5206147.3/32

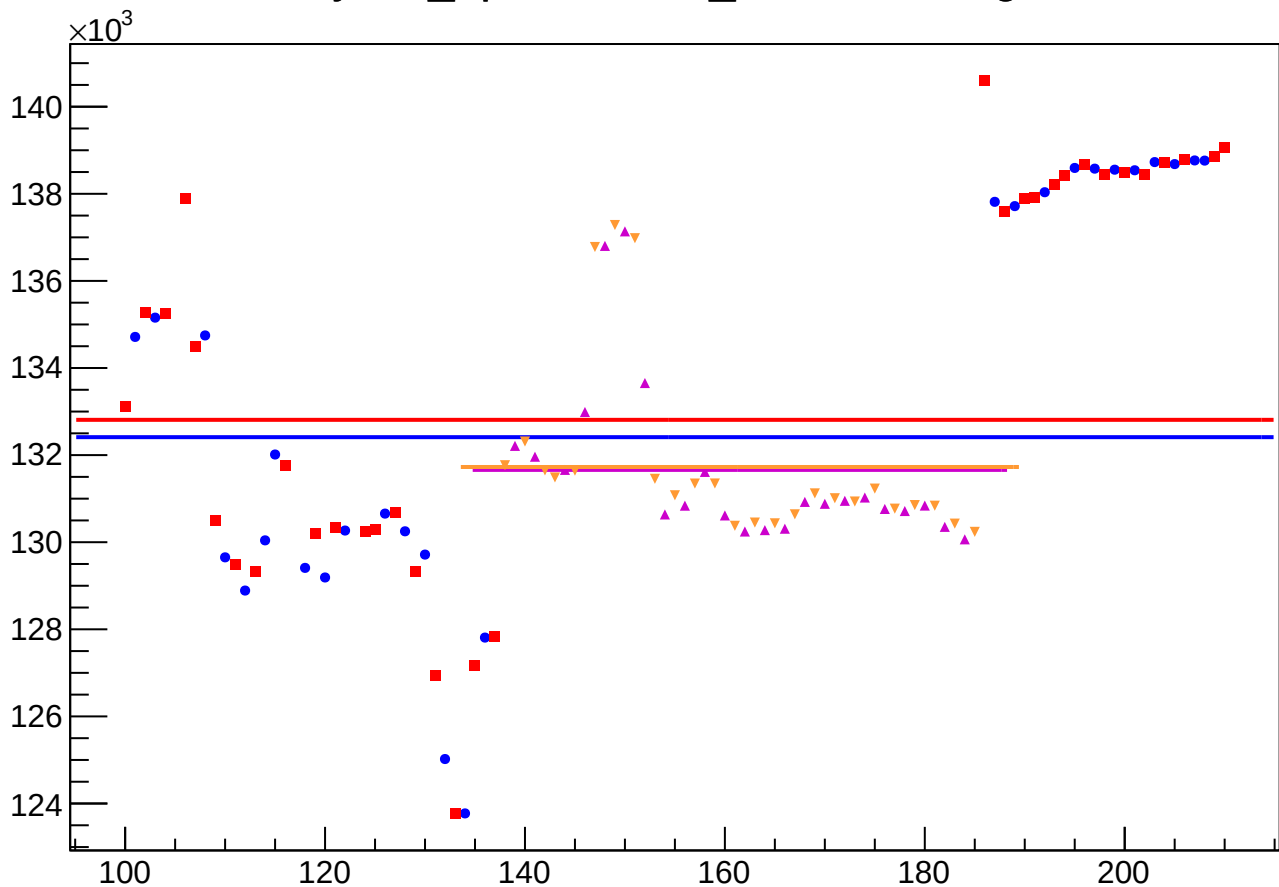
Left In: 203.546 $\pm$ 0.034 χ^2 /NDF: 666043.6/22

+ sign 208.491 $\pm$ 0.026 χ^2 /NDF: 4932257.2/51

All: 208.205 $\pm$ 0.018 χ^2 /NDF: 10842322.5/10

- sign 207.926 $\pm$ 0.026 χ^2 /NDF: 5909828.4/55

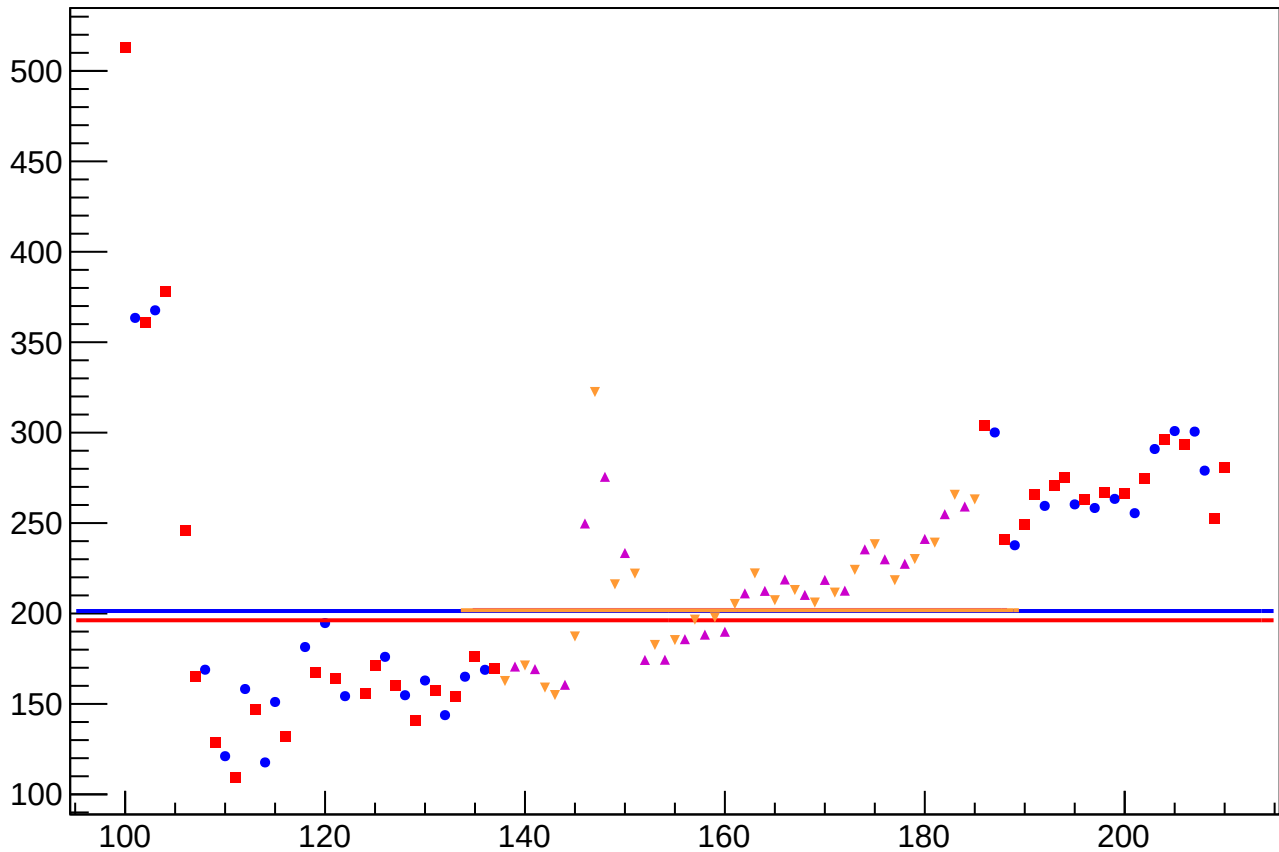
yield_bpm0l05WS_mean vs Slug



Right In: 132411.998 ± 0.054 $\chi^2/\text{NDF}: 8169605024.8/26$
 Left Out: 131727.086 ± 0.047 $\chi^2/\text{NDF}: 1425045697.6/24$
 Right Out: 132809.851 ± 0.050 $\chi^2/\text{NDF}: 9046749632.7/32$
 Left In: 131660.490 ± 0.048 $\chi^2/\text{NDF}: 1164380319.7/22$

+ sign 132022.233 ± 0.035 $\chi^2/\text{NDF}: 9686767949.6$
 All: 132123.148 ± 0.025 $\chi^2/\text{NDF}: 201906552$
 - sign 132219.484 ± 0.035 $\chi^2/\text{NDF}: 10487947980.1$

yield_bpm0l05WS_rms vs Slug



Right In: 201.376 $\pm$ 0.038 χ^2 /NDF: 2680979.4/26

Left Out: 201.798 $\pm$ 0.033 χ^2 /NDF: 905352.1/24

Right Out: 196.246 $\pm$ 0.035 χ^2 /NDF: 3639198.9/32

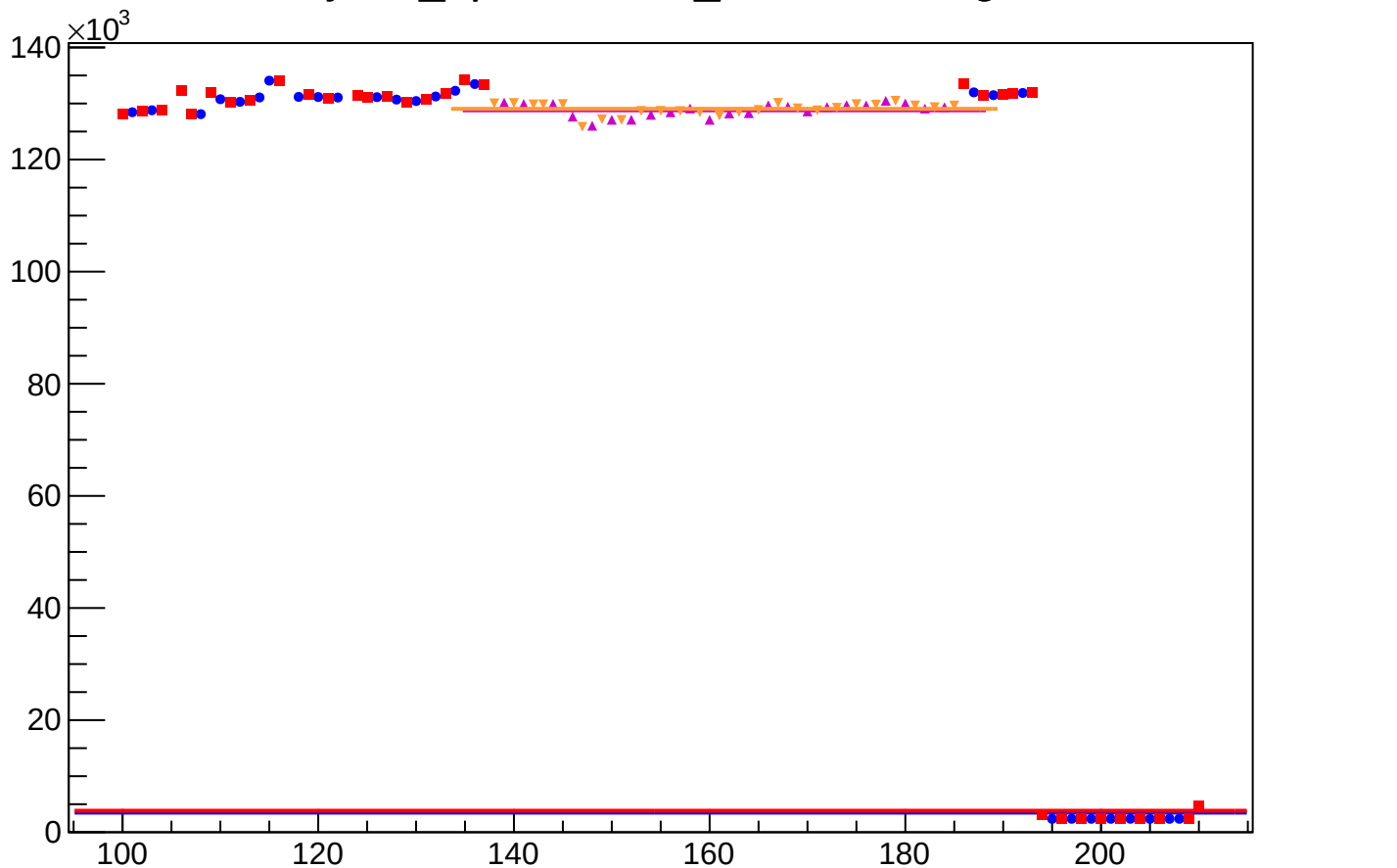
Left In: 201.947 $\pm$ 0.034 χ^2 /NDF: 802700.2/22

+ sign 201.616 $\pm$ 0.025 χ^2 /NDF: 3586401.6/51

All: 200.367 $\pm$ 0.017 χ^2 /NDF: 8046803.8/107

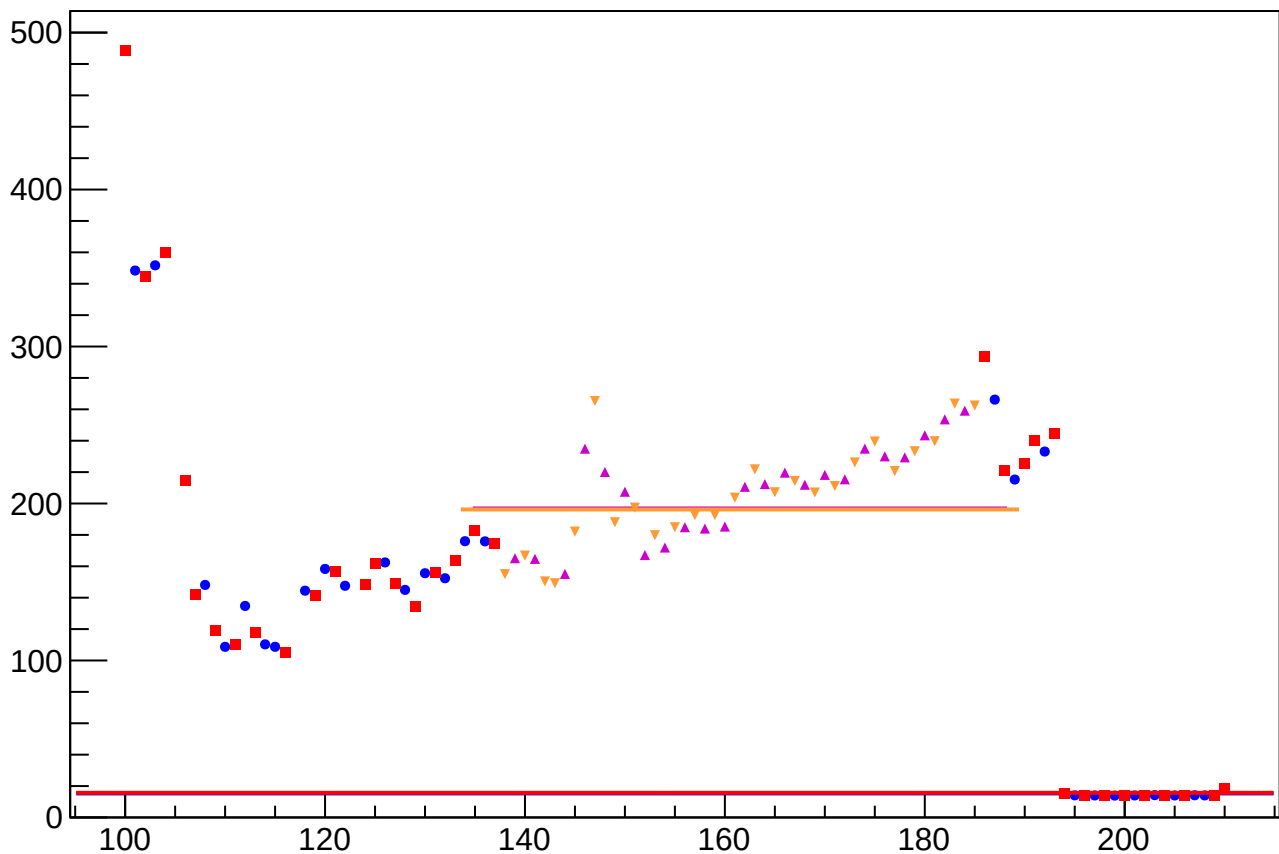
- sign 199.174 $\pm$ 0.024 χ^2 /NDF: 4455518.0/55

yield_bpm0l06WS_mean vs Slug



Right In: 3499.660 $\pm$ 0.005 χ^2 /NDF: 4991868469374.0/26
 Left Out: 129050.458 $\pm$ 0.045 χ^2 /NDF: 530879250.1/24
 Right Out: 3838.807 $\pm$ 0.005 χ^2 /NDF: 5902263162075.9/32
 Left In: 128783.852 $\pm$ 0.047 χ^2 /NDF: 655675405.6/22
 + sign 5197.065 $\pm$ 0.005 χ^2 /NDF: 12506385022562
 All: 5348.007 $\pm$ 0.004 χ^2 /NDF: 25414477395
 - sign 5506.365 $\pm$ 0.005 χ^2 /NDF: 12906423708611

yield_bpm0l06WS_rms vs Slug



Right In: 15.318 $\pm$ 0.004 χ^2 /NDF: 14421437.4/26

Left Out: 196.203 $\pm$ 0.032 χ^2 /NDF: 922826.1/24

Right Out: 15.687 $\pm$ 0.004 χ^2 /NDF: 16516651.3/32

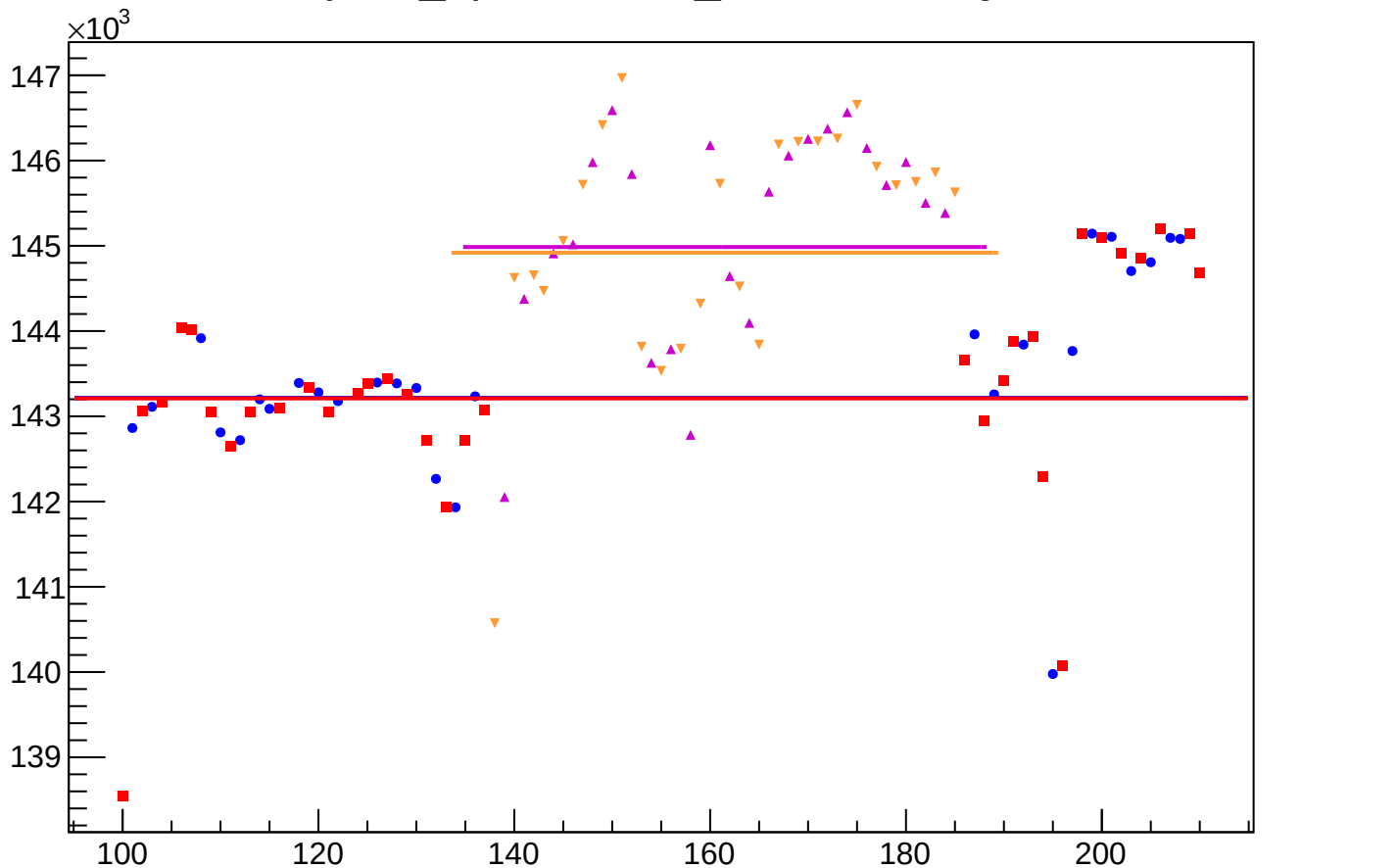
Left In: 196.840 $\pm$ 0.033 χ^2 /NDF: 773052.6/22

+ sign 17.763 $\pm$ 0.004 χ^2 /NDF: 46537999.3/51

All: 17.930 $\pm$ 0.003 χ^2 /NDF: 93275933.2/107

- sign 18.105 $\pm$ 0.004 χ^2 /NDF: 46733870.6/55

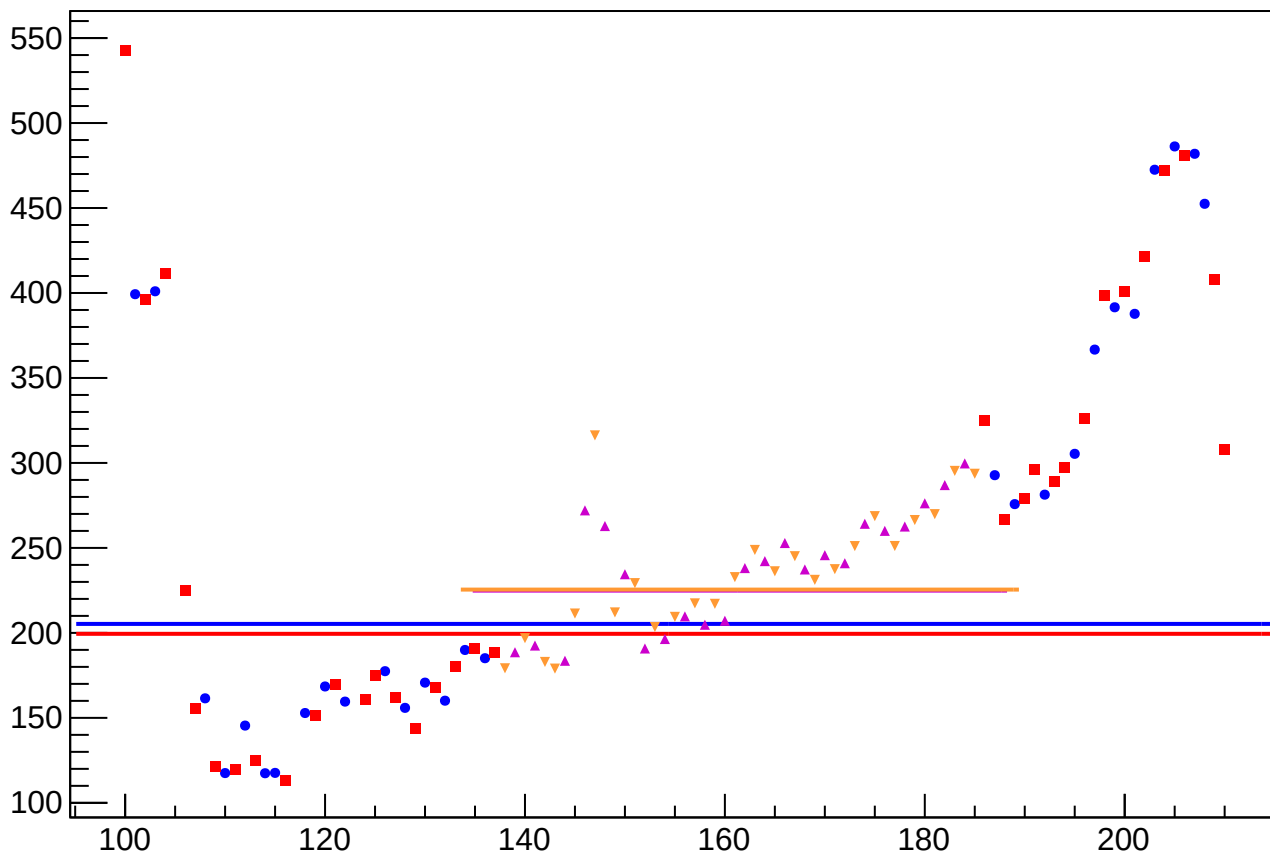
yield_bpm0l07WS_mean vs Slug



Right In: 143216.187 ± 0.058 $\chi^2/\text{NDF}: 241693115.7/26$
 Left Out: 144919.479 ± 0.052 $\chi^2/\text{NDF}: 835478710.7/24$
 Right Out: 143209.989 ± 0.053 $\chi^2/\text{NDF}: 264582640.1/32$
 Left In: 144985.586 ± 0.054 $\chi^2/\text{NDF}: 618782558.7/22$

+ sign 144153.766 ± 0.039 $\chi^2/\text{NDF}: 1555258055.5$
 All: 144117.521 ± 0.027 $\chi^2/\text{NDF}: 299840673$
 - sign 144083.442 ± 0.038 $\chi^2/\text{NDF}: 1441451255.1$

yield_bpm0l07WS_rms vs Slug



Right In: 205.283+/-0.041 χ^2/NDF : 5646784.8/26

Left Out: 225.478+/-0.037 χ^2/NDF : 775365.4/24

Right Out: 199.451+/-0.037 χ^2/NDF : 6627320.8/32

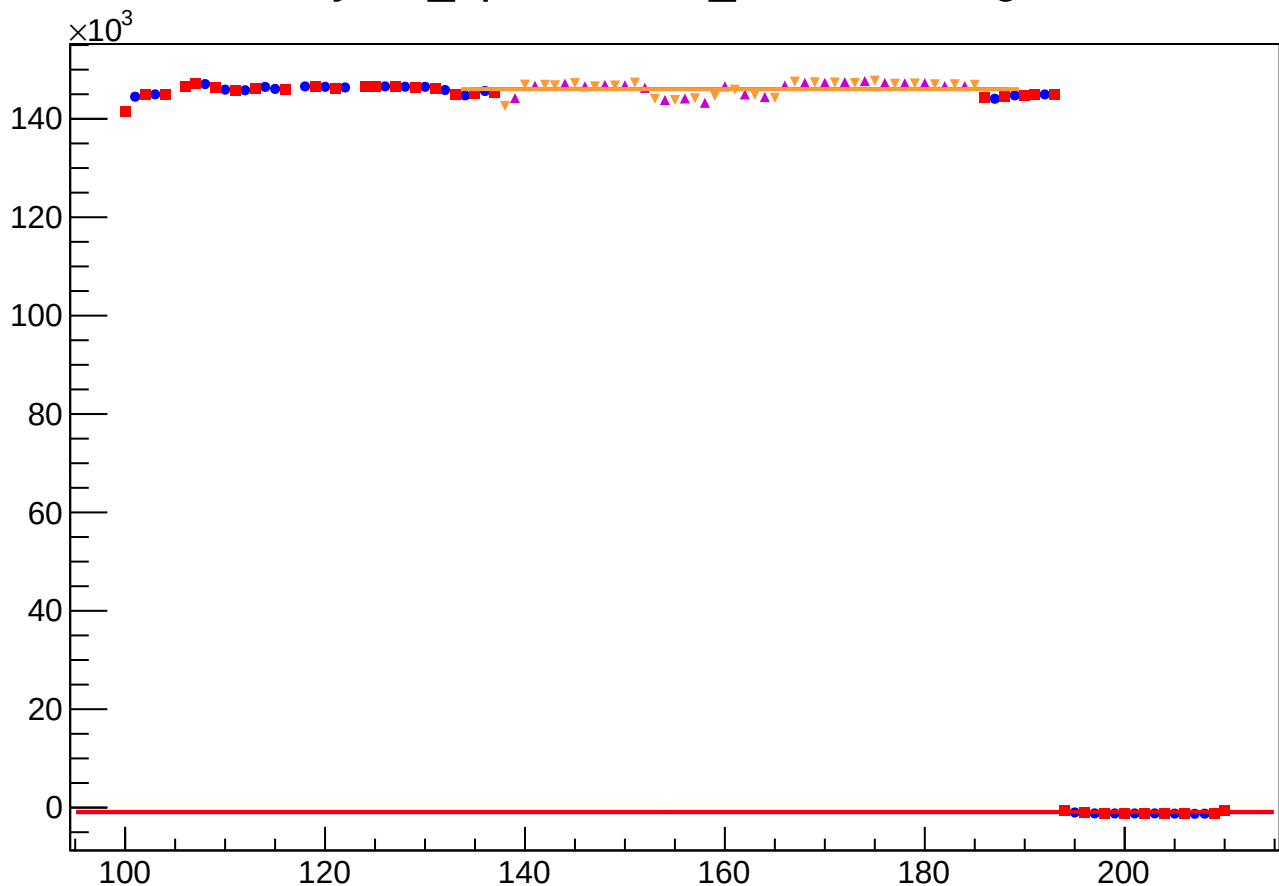
Left In: 224.869+/-0.038 χ^2/NDF : 723816.1/22

+ sign 216.400+/-0.027 χ^2/NDF : 6556569.9/51

All: 214.108+/-0.019 χ^2/NDF : 14149998.9/10

- sign 211.954+/-0.027 χ^2/NDF : 7579864.5/55

yield_bpm0l08WS_mean vs Slug



Right In: -933.633+/-0.003 χ^2/NDF : 5375143877500.3/26

Left Out: 146042.636+/-0.052 χ^2/NDF : 882705044.1/24

Right Out: -862.715+/-0.003 χ^2/NDF : 6464870210614.4/32

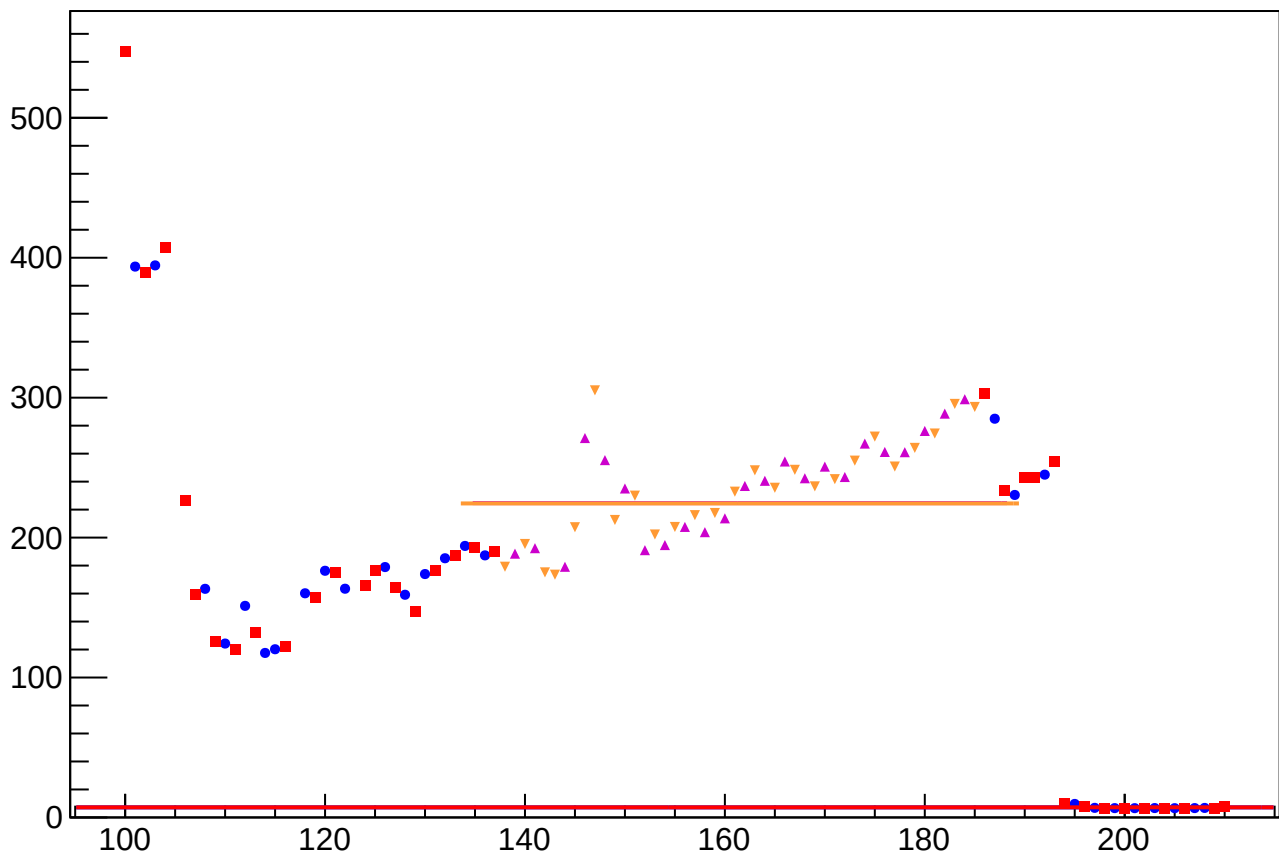
Left In: 146056.687+/-0.054 χ^2/NDF : 698743124.4/22

+ sign -554.125+/-0.003 χ^2/NDF : 13341262628221

All: -524.660+/-0.002 χ^2/NDF : 27312220258

- sign -494.314+/-0.003 χ^2/NDF : 13970705315657.

yield_bpm0l08WS_rms vs Slug



Right In: 7.210 ± 0.002 $\chi^2/\text{NDF}: 16113994.5/26$

Left Out: 224.409 ± 0.037 $\chi^2/\text{NDF}: 849100.4/24$

Right Out: 7.228 ± 0.002 $\chi^2/\text{NDF}: 18432683.6/32$

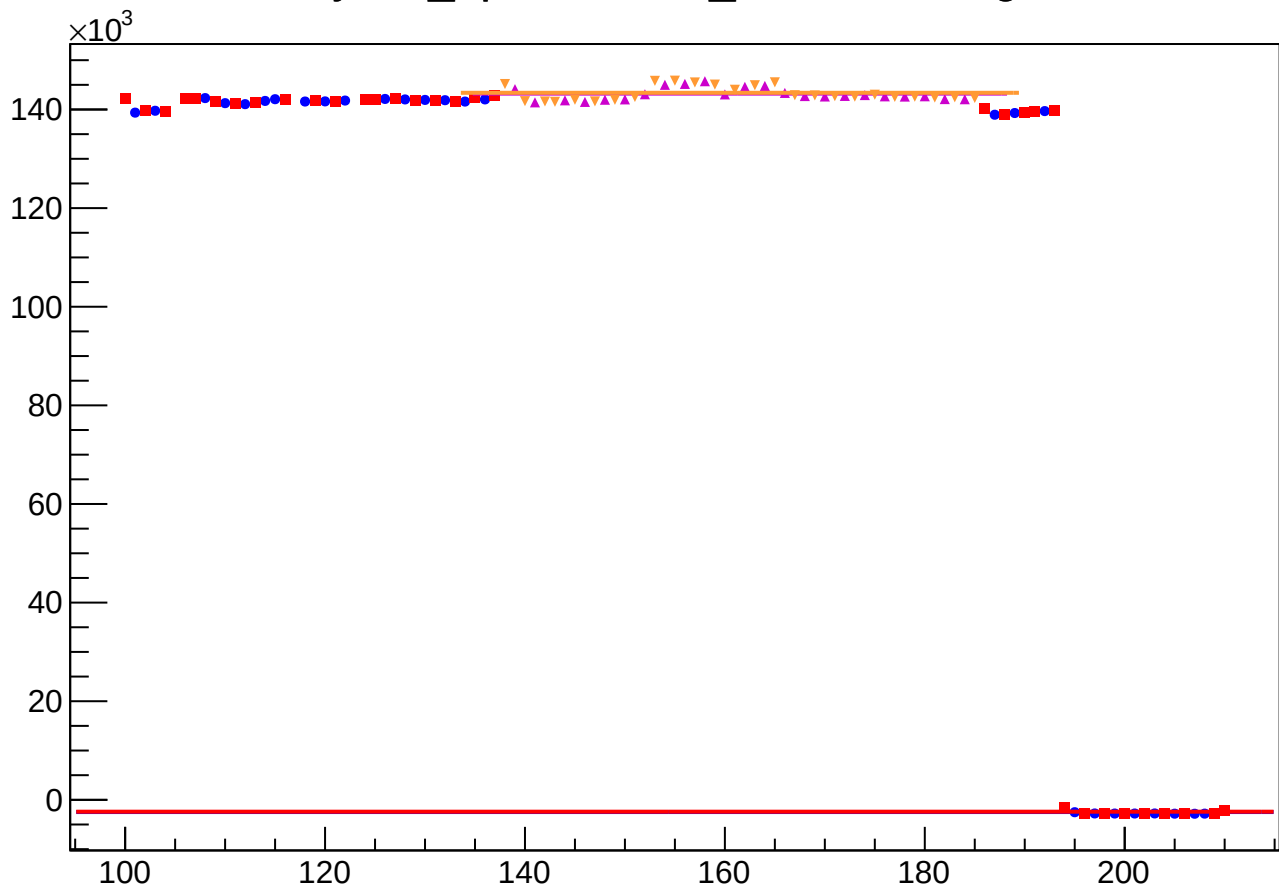
Left In: 224.655 ± 0.038 $\chi^2/\text{NDF}: 756996.8/22$

+ sign 7.771 ± 0.002 $\chi^2/\text{NDF}: 51752889.2/51$

All: 7.772 ± 0.001 $\chi^2/\text{NDF}: 103816886.6/107$

- sign 7.773 ± 0.002 $\chi^2/\text{NDF}: 52063996.8/55$

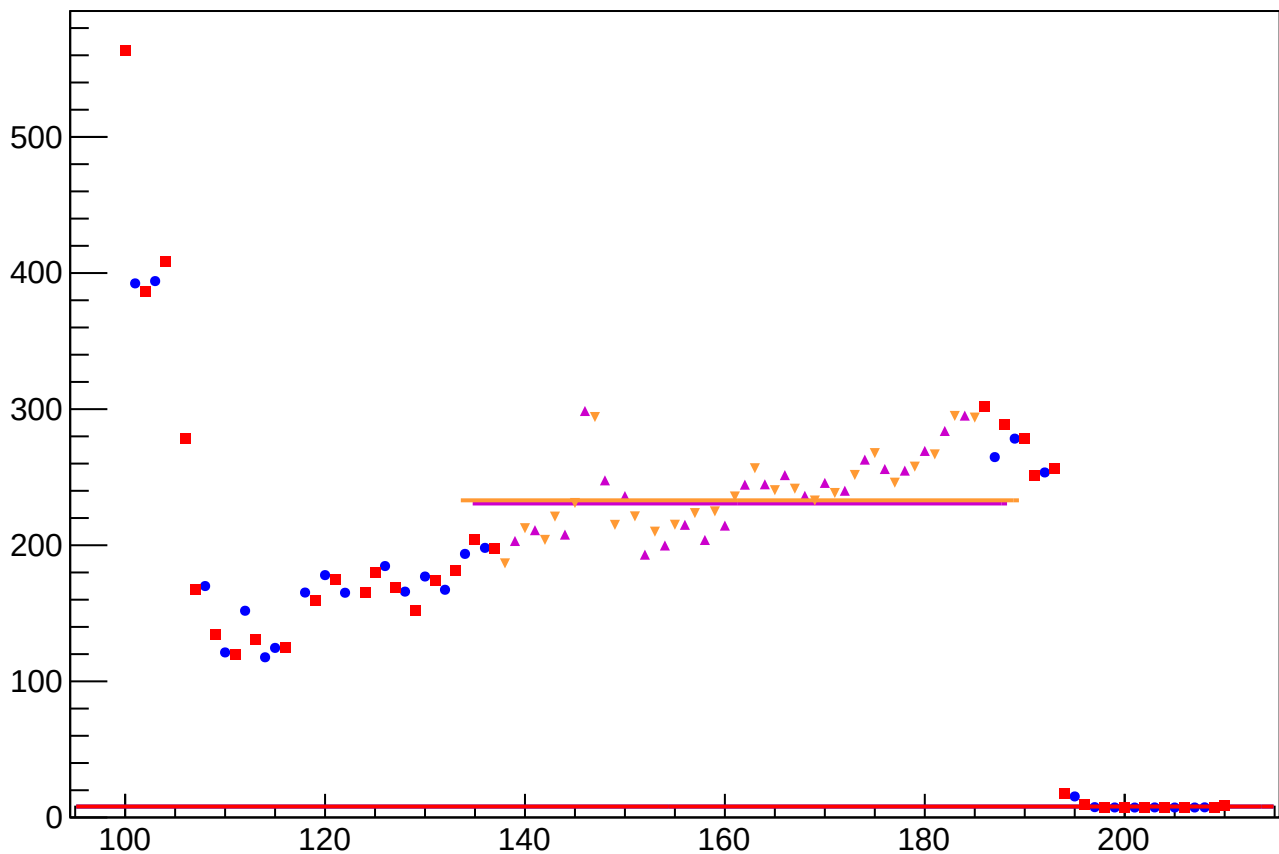
yield_bpm0l09WS_mean vs Slug



Right In: -2473.869 ± 0.003 $\chi^2/\text{NDF}: 4963238588215.3/26$
 Left Out: 143386.915 ± 0.054 $\chi^2/\text{NDF}: 784001363.1/24$
 Right Out: -2401.916 ± 0.003 $\chi^2/\text{NDF}: 5833067743075.9/32$
 Left In: 143221.802 ± 0.055 $\chi^2/\text{NDF}: 540234973.1/22$

+ sign -2030.893 ± 0.003 $\chi^2/\text{NDF}: 1232383175758$
 All: -1999.308 ± 0.002 $\chi^2/\text{NDF}: 2519055282$
 - sign -1966.899 ± 0.003 $\chi^2/\text{NDF}: 1286649012986$

yield_bpm0l09WS_rms vs Slug



Right In: 8.002 ± 0.002 χ^2/NDF : 16280134.7/26

Left Out: 233.007 ± 0.038 χ^2/NDF : 446120.9/24

Right Out: 8.028 ± 0.002 χ^2/NDF : 18479147.3/32

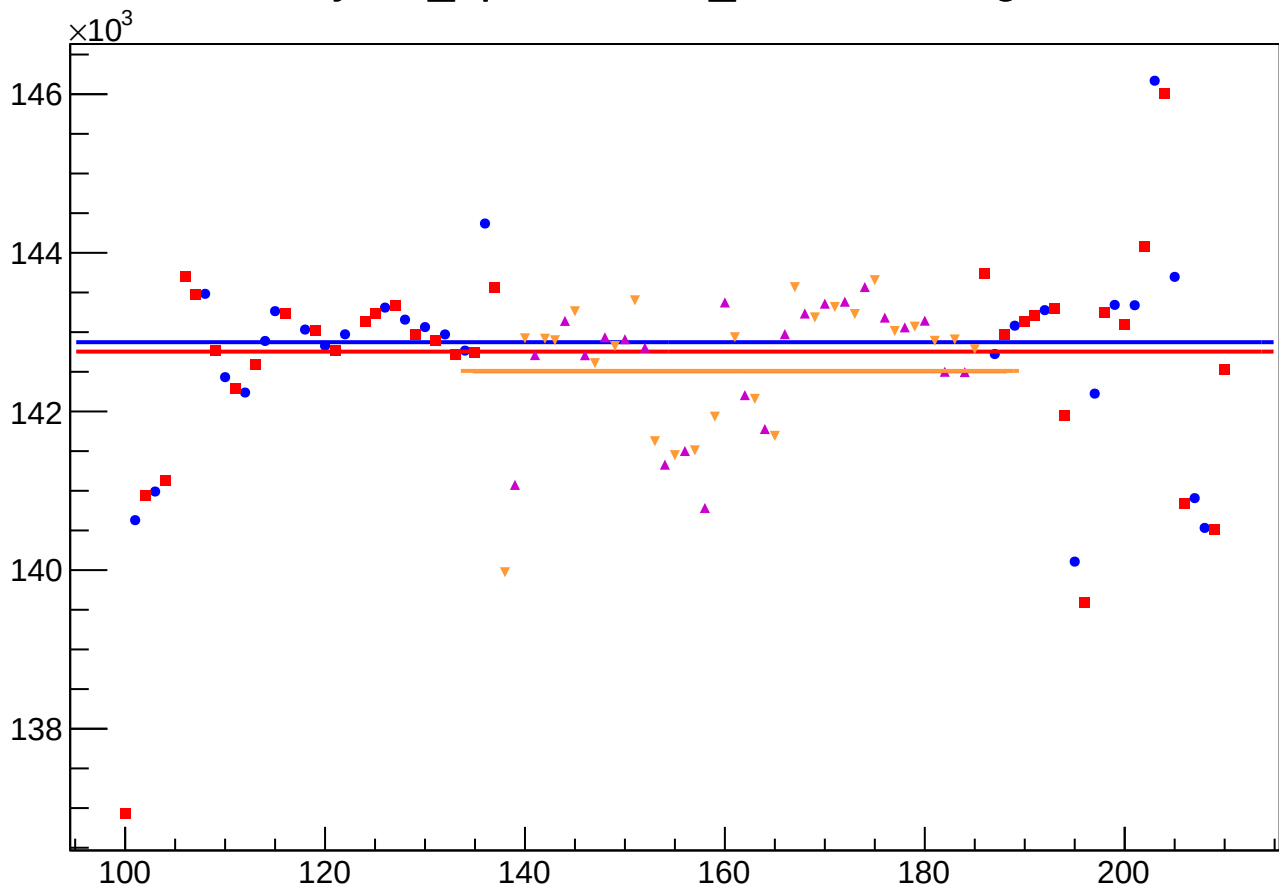
Left In: 230.693 ± 0.039 χ^2/NDF : 512017.9/22

+ sign 8.686 ± 0.002 χ^2/NDF : 51753164.0/51

All: 8.690 ± 0.001 χ^2/NDF : 103629585.3/107

- sign 8.694 ± 0.002 χ^2/NDF : 51876414.5/55

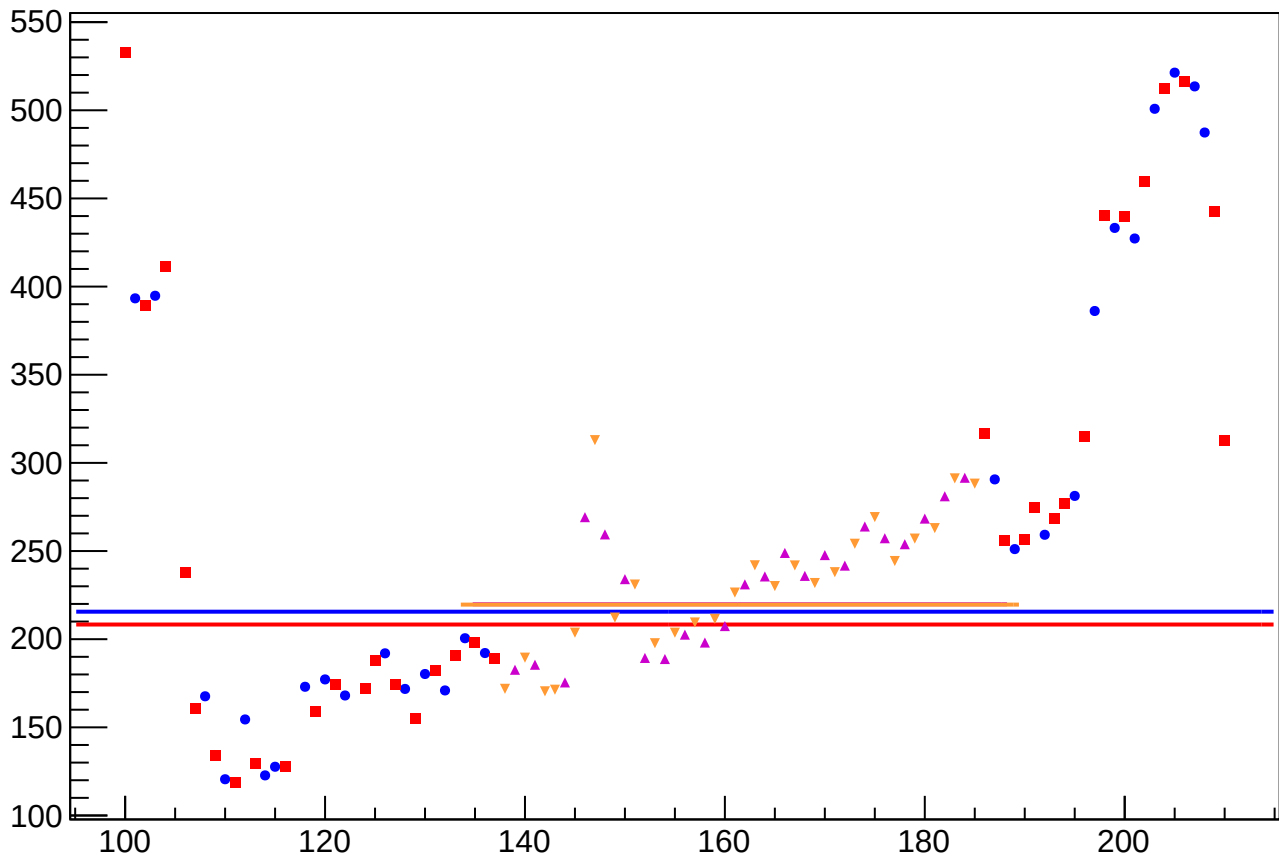
yield_bpm0l10WS_mean vs Slug



Right In: 142873.463 ± 0.060 $\chi^2/\text{NDF}: 272687436.6/26$
 Left Out: 142511.381 ± 0.051 $\chi^2/\text{NDF}: 338087157.2/24$
 Right Out: 142754.626 ± 0.055 $\chi^2/\text{NDF}: 238194268.4/32$
 Left In: 142507.563 ± 0.052 $\chi^2/\text{NDF}: 269272097.4/22$

+ sign 142661.477 ± 0.039 $\chi^2/\text{NDF}: 631751552.4/5$
 All: 142643.032 ± 0.027 $\chi^2/\text{NDF}: 115027427$
 - sign 142625.593 ± 0.038 $\chi^2/\text{NDF}: 518086364.9/5$

yield_bpm0l10WS_rms vs Slug



Right In: 215.598 $\pm$ 0.043 χ^2 /NDF: 5385579.5/26

Left Out: 219.618 $\pm$ 0.036 χ^2 /NDF: 902026.4/24

Right Out: 208.320 $\pm$ 0.039 χ^2 /NDF: 6277223.4/32

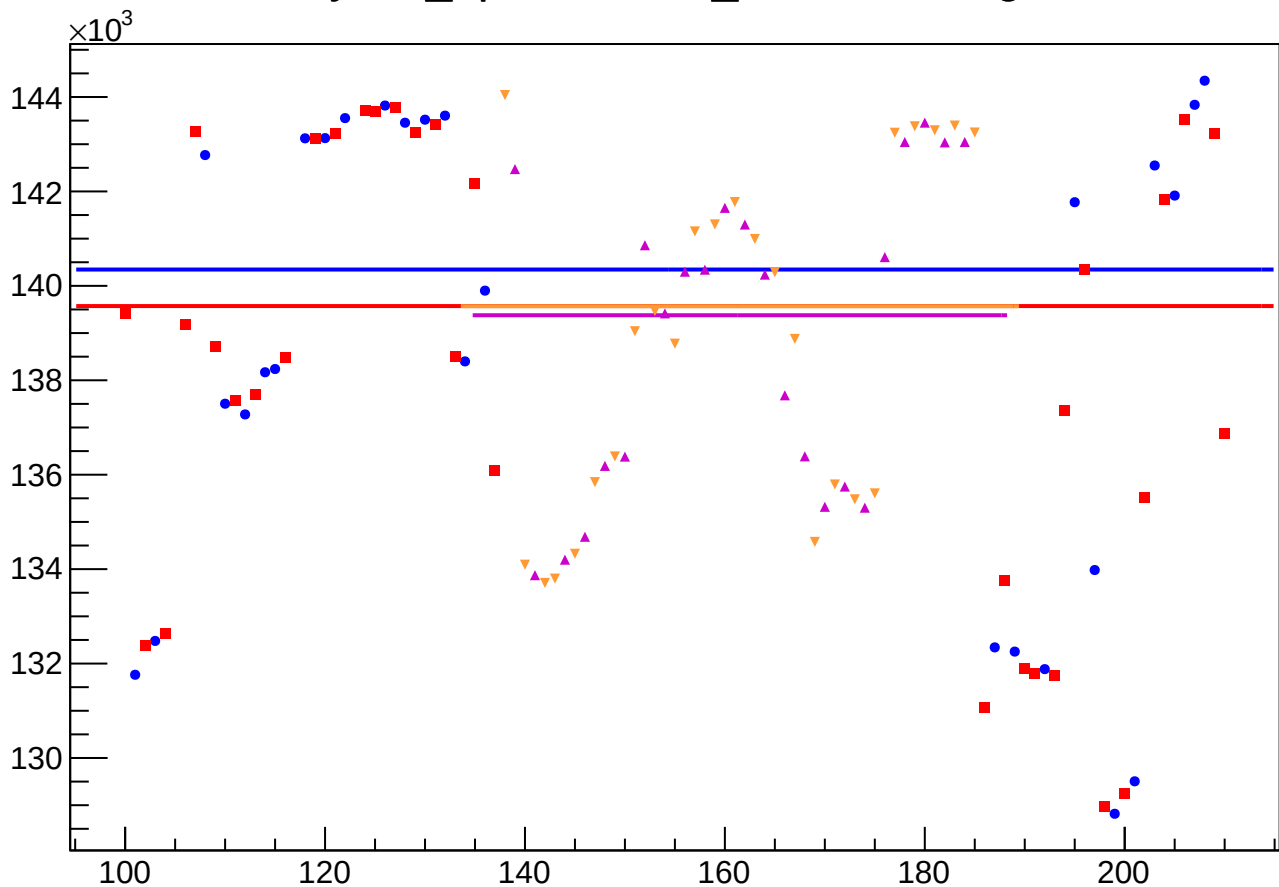
Left In: 219.813 $\pm$ 0.037 χ^2 /NDF: 805501.8/22

+ sign 217.952 $\pm$ 0.028 χ^2 /NDF: 6292776.4/51

All: 216.086 $\pm$ 0.019 χ^2 /NDF: 13430389.3/10

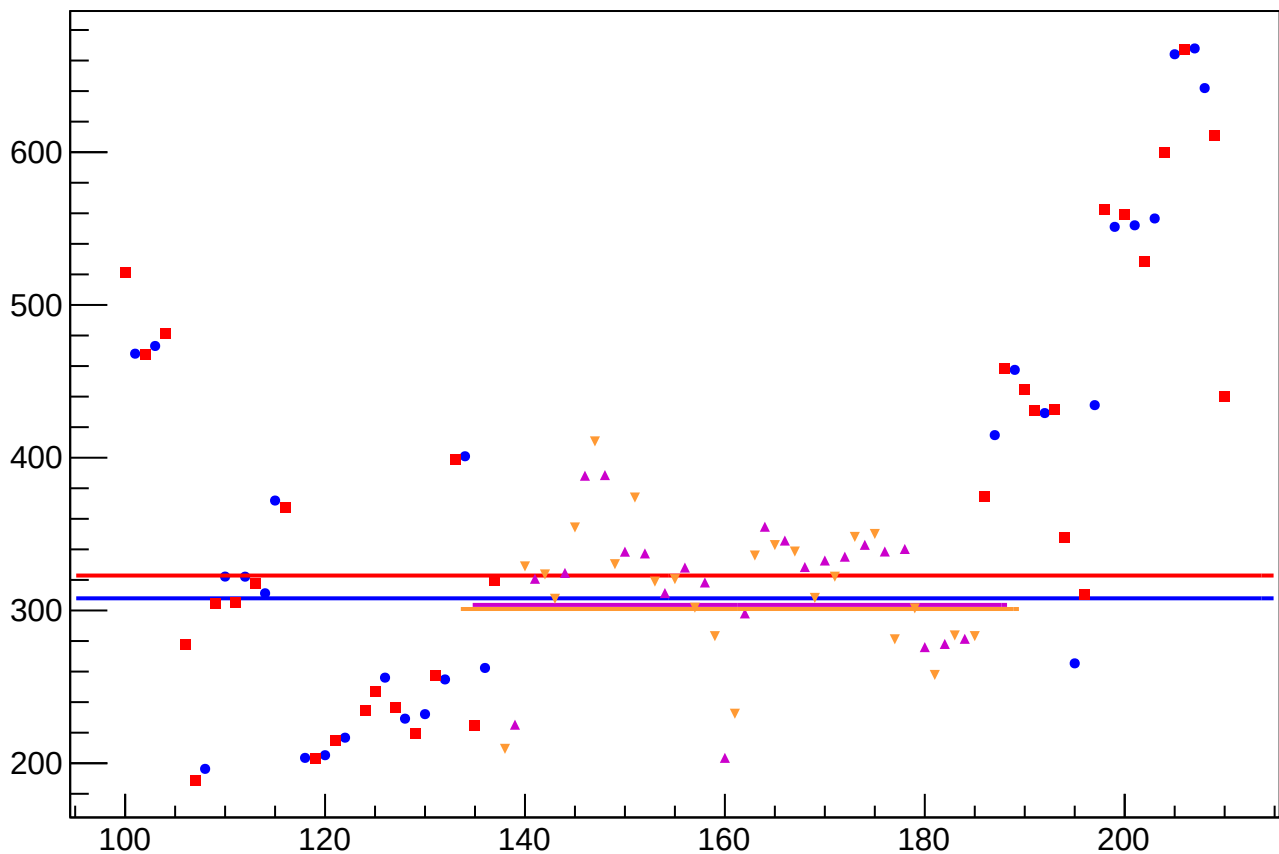
- sign 214.323 $\pm$ 0.027 χ^2 /NDF: 7128687.5/55

yield_bpm0r03WS_mean vs Slug



Right In: 140345.606 $\pm$ 0.085	χ^2 /NDF: 2639487864.1/26	+ sign 139881.625 $\pm$ 0.054	χ^2 /NDF: 5275694029.3
Left Out: 139568.750 $\pm$ 0.070	χ^2 /NDF: 2586638805.4/24	All: 139674.385 $\pm$ 0.038	χ^2 /NDF: 100513945
Right Out: 139572.041 $\pm$ 0.083	χ^2 /NDF: 2821514106.3/32	- sign 139462.771 $\pm$ 0.055	χ^2 /NDF: 4746061709.9/
Left In: 139377.582 $\pm$ 0.073	χ^2 /NDF: 1921434868.2/22		

yield_bpm0r03WS_rms vs Slug



Right In: 307.955 $\pm$ 0.060 χ^2 /NDF: 4422918.5/26

Left Out: 300.964 $\pm$ 0.050 χ^2 /NDF: 876889.9/24

Right Out: 322.870 $\pm$ 0.058 χ^2 /NDF: 4392241.0/32

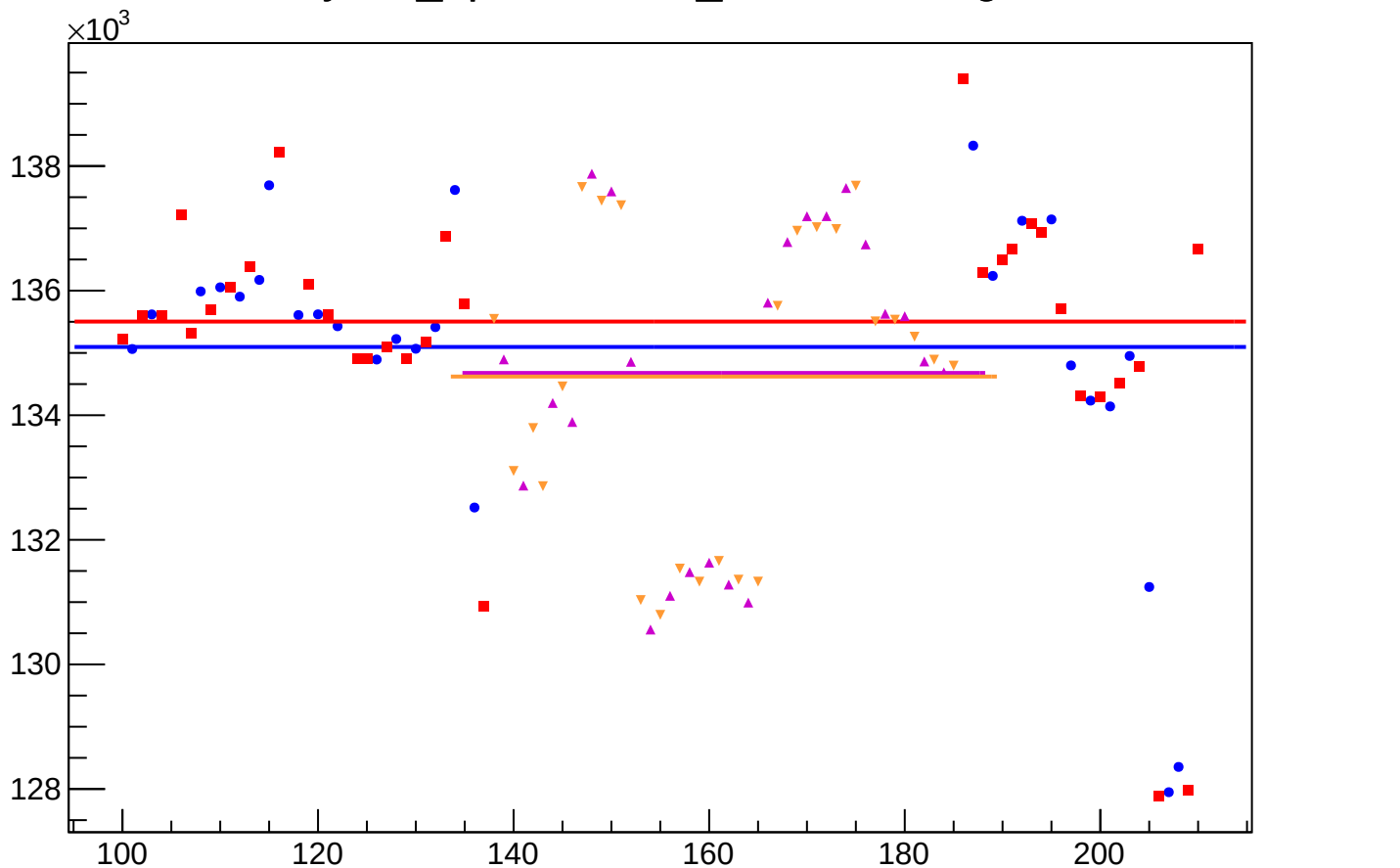
Left In: 303.658 $\pm$ 0.052 χ^2 /NDF: 976252.9/22

+ sign 303.780 $\pm$ 0.038 χ^2 /NDF: 5307837.4/51

All: 307.884 $\pm$ 0.027 χ^2 /NDF: 10760341.0/10

- sign 312.075 $\pm$ 0.039 χ^2 /NDF: 5429255.8/55

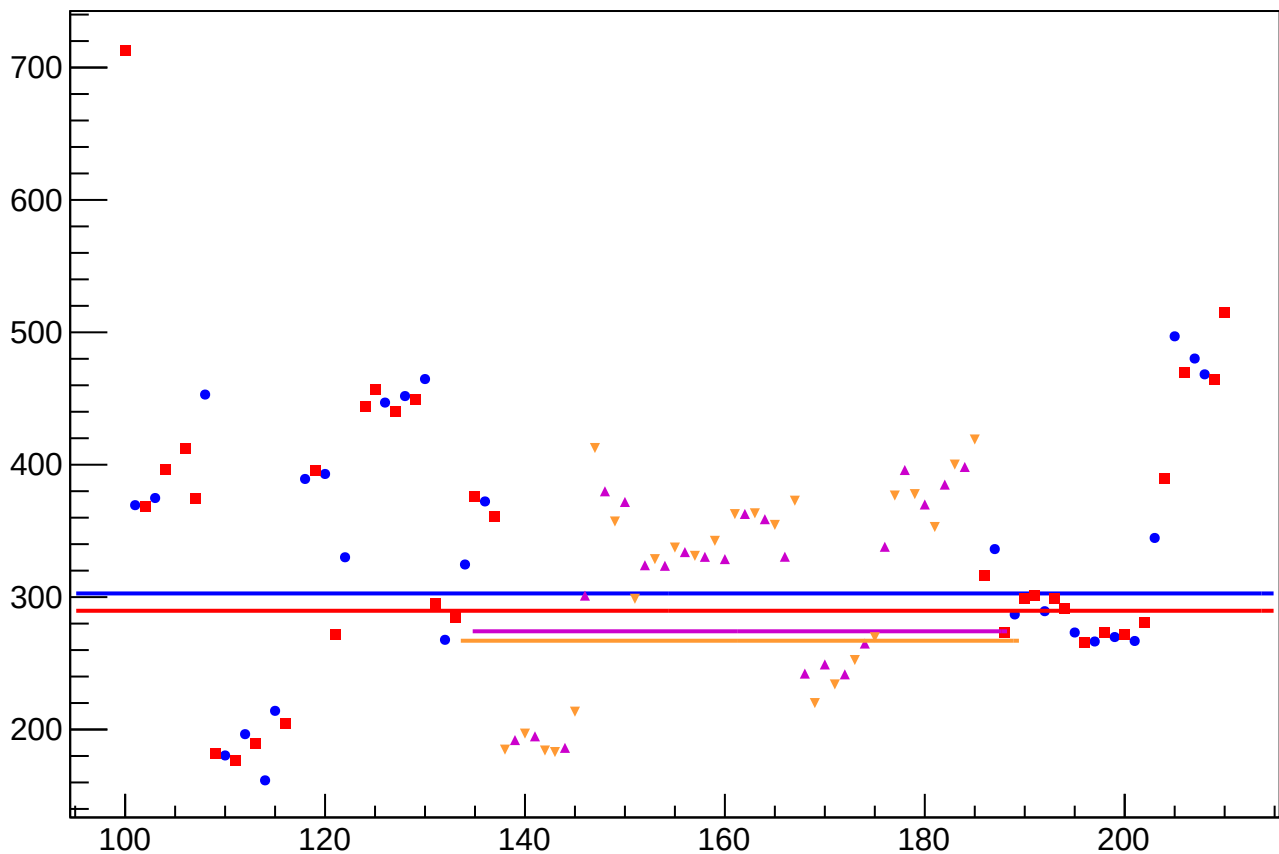
yield_bpm0r05WS_mean vs Slug



Right In: 135095.934 ± 0.080 $\chi^2/\text{NDF}: 675373631.8/26$
 Left Out: 134620.993 ± 0.064 $\chi^2/\text{NDF}: 1201492843.7/24$
 Right Out: 135503.560 ± 0.072 $\chi^2/\text{NDF}: 766541661.3/32$
 Left In: 134678.497 ± 0.067 $\chi^2/\text{NDF}: 1096295429.9/22$

+ sign 134805.270 ± 0.050 $\chi^2/\text{NDF}: 1898411810.9$
 All: 134935.450 ± 0.035 $\chi^2/\text{NDF}: 384518790$
 - sign 135061.115 ± 0.049 $\chi^2/\text{NDF}: 1933378951.7$

yield_bpm0r05WS_rms vs Slug



Right In: 302.769 $\pm$ 0.057 χ^2 /NDF: 2311753.9/26

Left Out: 267.053 $\pm$ 0.045 χ^2 /NDF:2843307.1/24

Right Out: 289.682 $\pm$ 0.051 χ^2 /NDF: 2760796.2/32

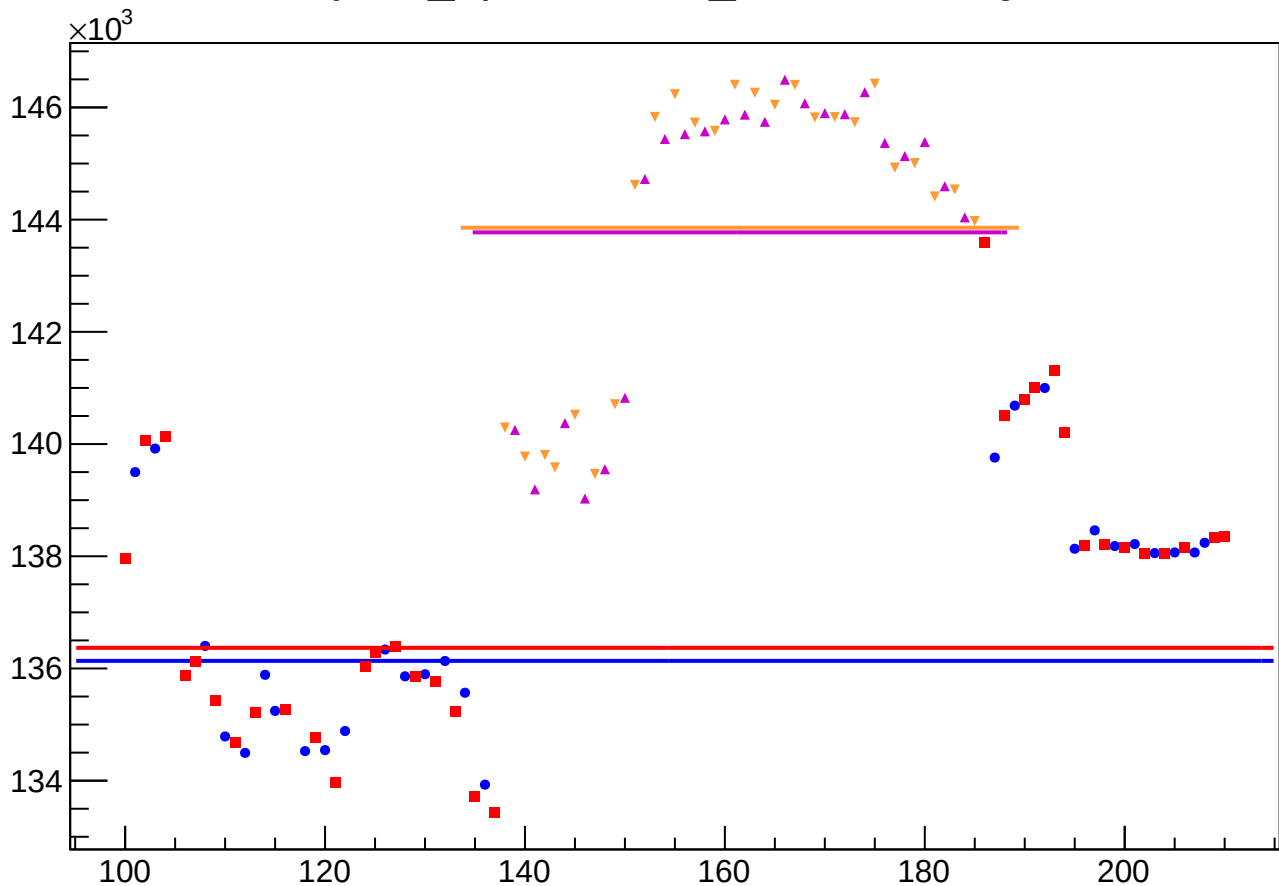
Left In: 274.177 $\pm$ 0.047 χ^2 /NDF:2236755.2/22

+ sign 280.911 $\pm$ 0.035 χ^2 /NDF: 5398741.5/51

All: 281.143 $\pm$ 0.025 χ^2 /NDF: 10446203.3/10

- sign 281.368 $\pm$ 0.035 χ^2 /NDF: 5047376.5/55

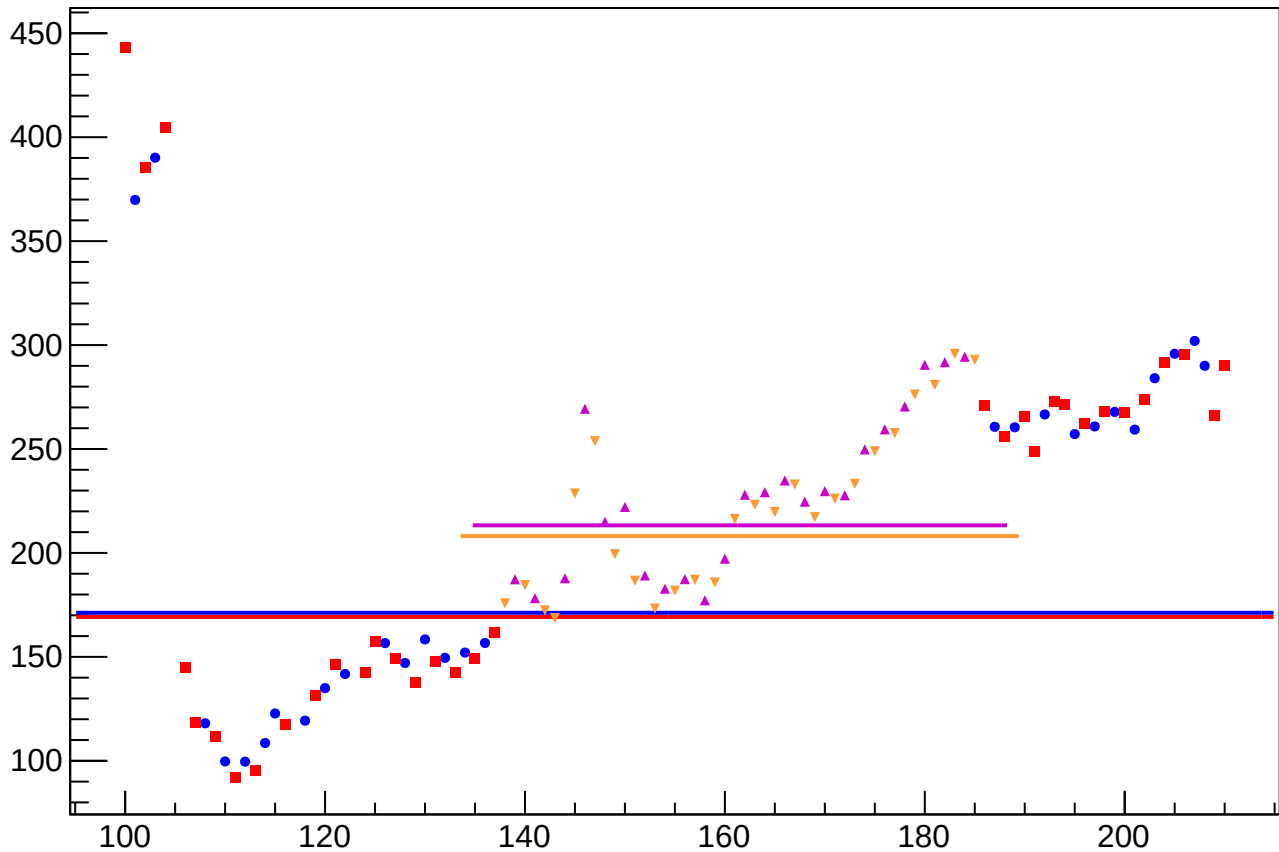
yield_bpm0i02WS_mean vs Slug



Right In: 136135.444 ± 0.047 $\chi^2/\text{NDF}: 1552782188.9/26$
 Left Out: 143855.894 ± 0.048 $\chi^2/\text{NDF}: 3130204188.4/24$
 Right Out: 136368.128 ± 0.044 $\chi^2/\text{NDF}: 2263636720.8/32$
 Left In: 143773.112 ± 0.051 $\chi^2/\text{NDF}: 2803362782.2/22$

+ sign 139905.320 ± 0.034 $\chi^2/\text{NDF}: 17738454817.7$
 All: 139719.678 ± 0.024 $\chi^2/\text{NDF}: 349571357.7$
 - sign 139538.992 ± 0.033 $\chi^2/\text{NDF}: 17159066381.7$

yield_bpm0i02WS_rms vs Slug



Right In: 171.212 $\pm$ 0.033 χ^2 /NDF: 4627495.2/26

Left Out: 208.100 $\pm$ 0.034 χ^2 /NDF: 993011.6/24

Right Out: 169.217 $\pm$ 0.031 χ^2 /NDF: 5697190.4/32

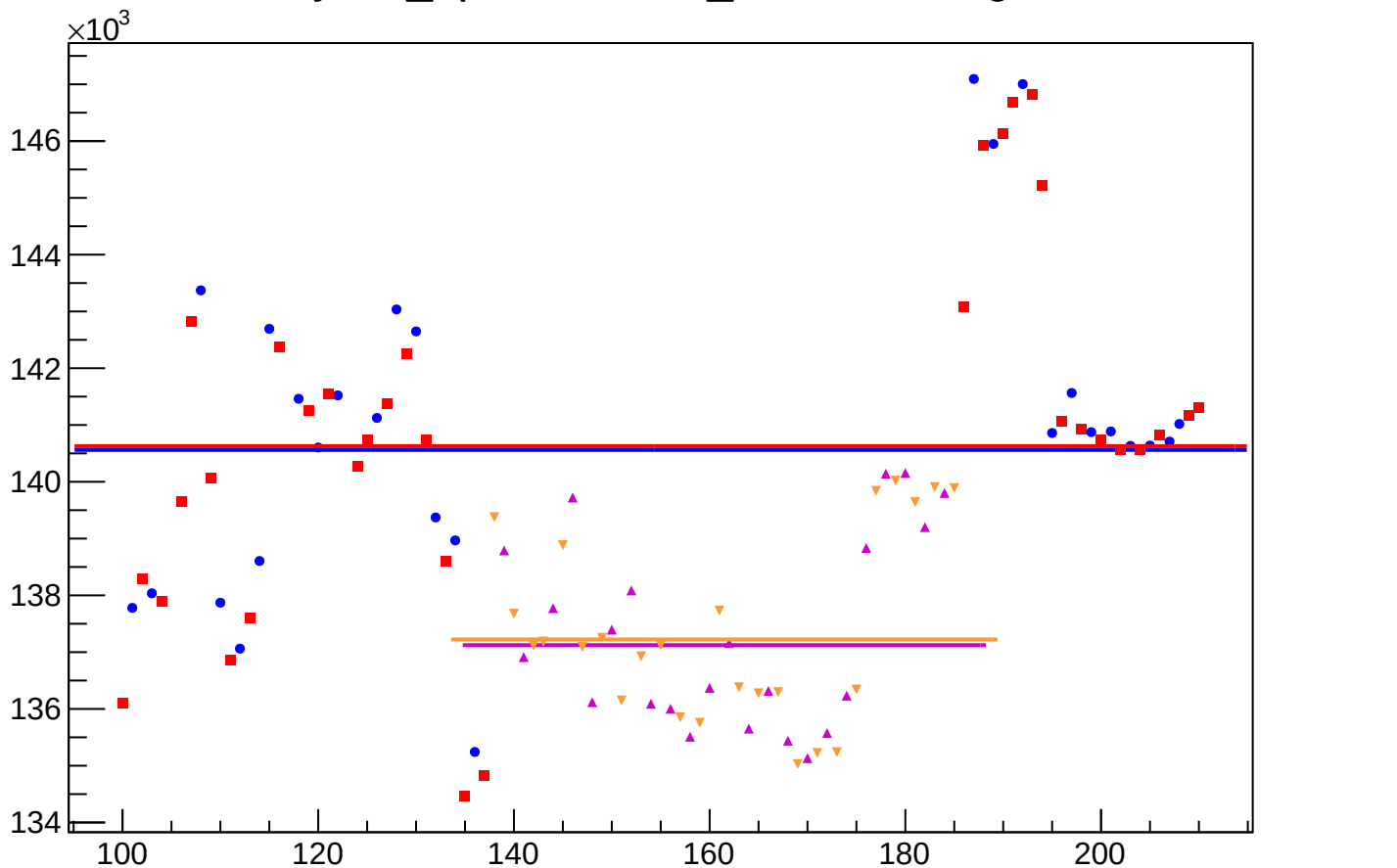
Left In: 213.288 $\pm$ 0.036 χ^2 /NDF: 865525.4/22

+ sign 189.224 $\pm$ 0.024 χ^2 /NDF: 6216612.5/51

All: 188.649 $\pm$ 0.017 χ^2 /NDF: 13637099.8/10

- sign 188.088 $\pm$ 0.024 χ^2 /NDF: 7419340.4/55

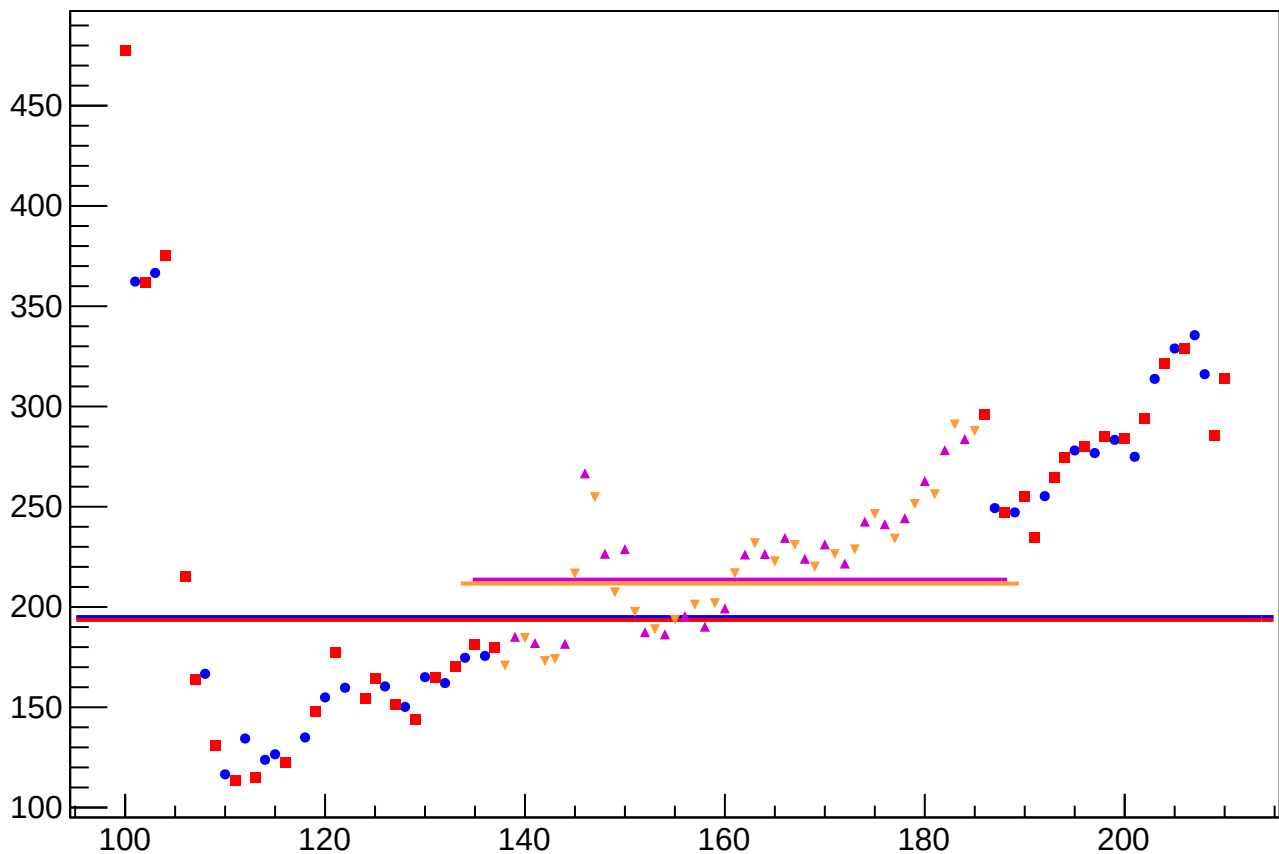
yield_bpm0i02aWS_mean vs Slug



Right In: 140561.184 ± 0.053 $\chi^2/\text{NDF}: 2809558599.1/26$
 Left Out: 137223.651 ± 0.049 $\chi^2/\text{NDF}: 894565924.0/24$
 Right Out: 140627.843 ± 0.049 $\chi^2/\text{NDF}: 3246700611.4/32$
 Left In: 137123.557 ± 0.051 $\chi^2/\text{NDF}: 860635149.0/22$

+ sign 138769.726 ± 0.036 $\chi^2/\text{NDF}: 5849140272.5$
 All: 138850.639 ± 0.025 $\chi^2/\text{NDF}: 124082925$
 - sign 138929.350 ± 0.035 $\chi^2/\text{NDF}: 6549149716.1$

yield_bpm0i02aWS_rms vs Slug



Right In: 194.990 $\pm$ 0.037 χ^2 /NDF: 3593494.2/26

Left Out: 211.714 $\pm$ 0.035 χ^2 /NDF: 675587.4/24

Right Out: 193.551 $\pm$ 0.035 χ^2 /NDF: 4426251.8/32

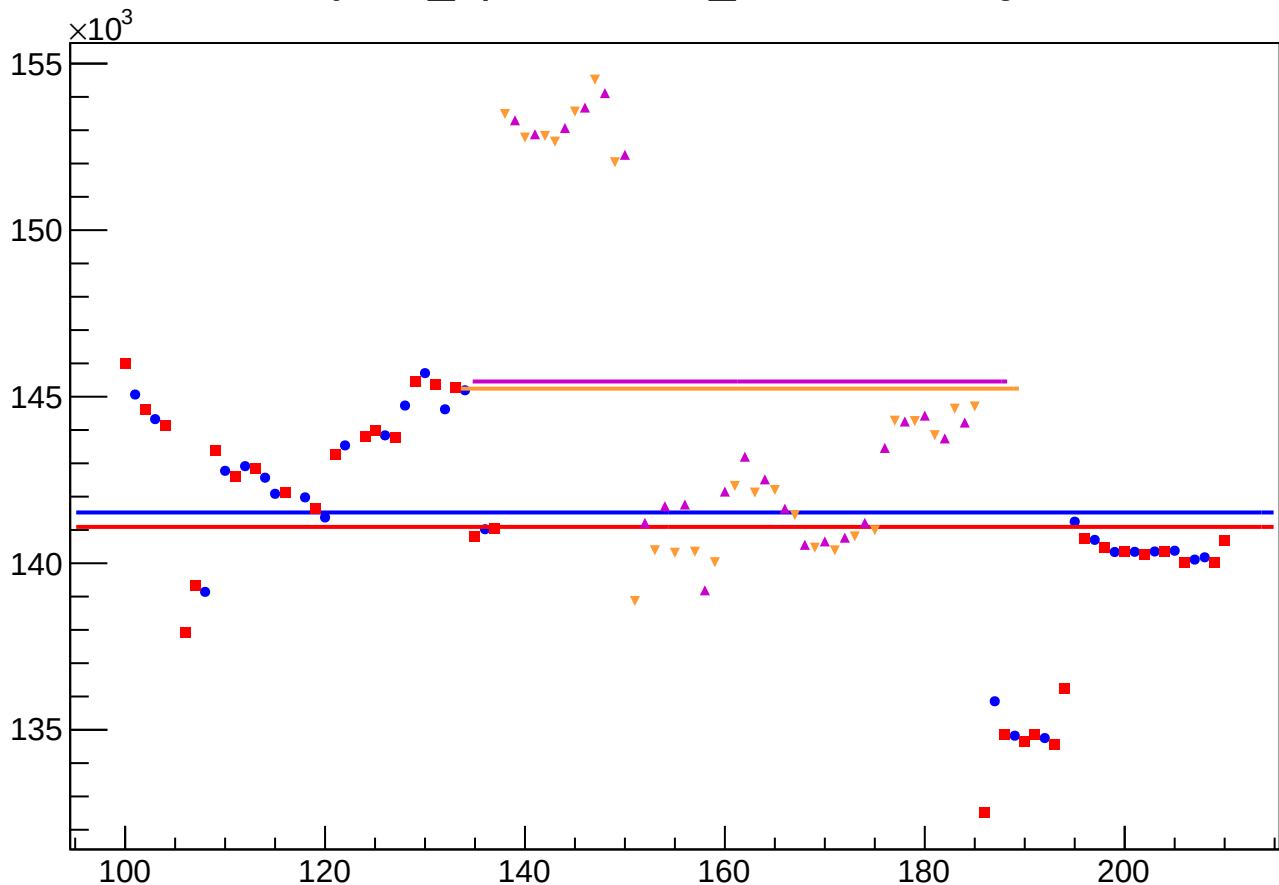
Left In: 213.641 $\pm$ 0.036 χ^2 /NDF: 621332.1/22

+ sign 203.966 $\pm$ 0.025 χ^2 /NDF: 4376802.3/51

All: 203.623 $\pm$ 0.018 χ^2 /NDF: 9585251.3/107

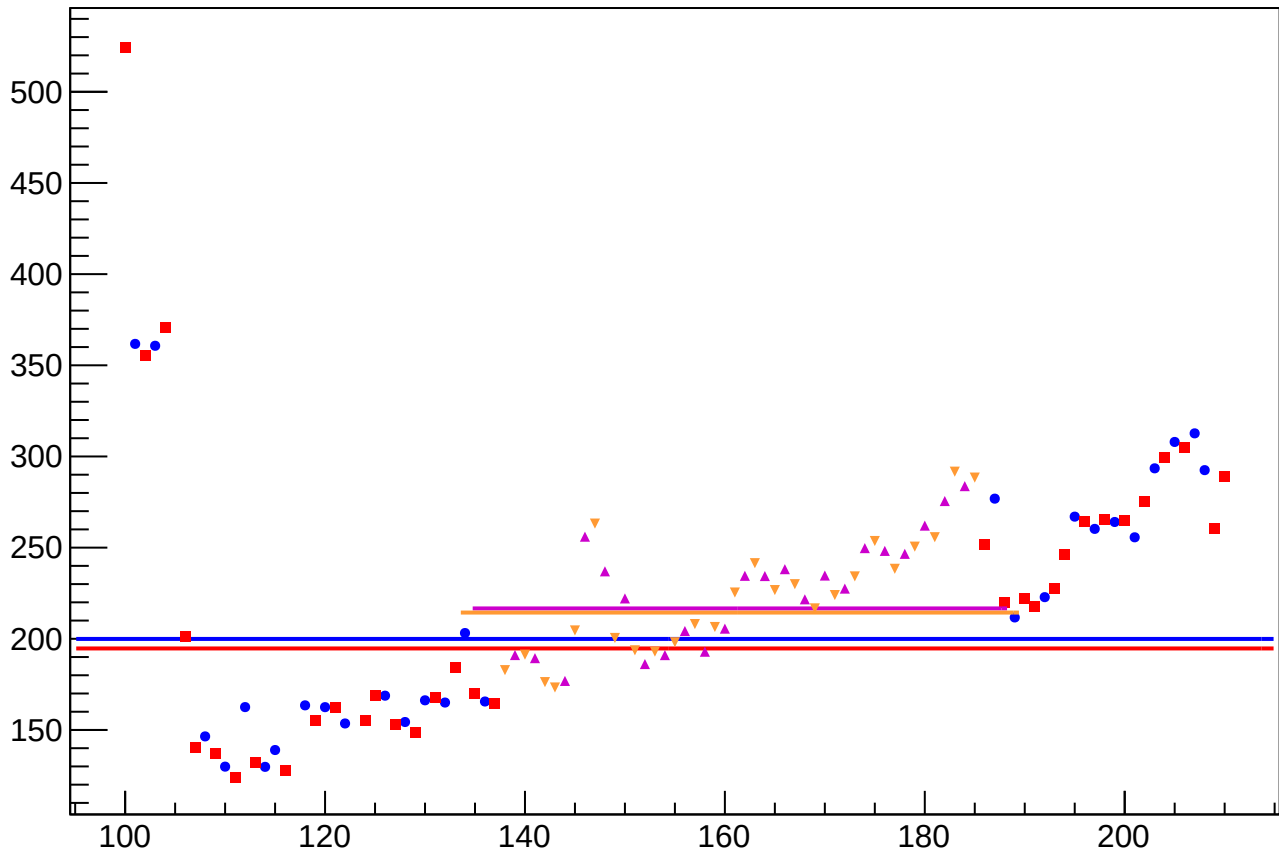
- sign 203.288 $\pm$ 0.025 χ^2 /NDF: 5208087.9/55

yield_bpm0i05WS_mean vs Slug



Right In: 141524.511 $\pm$ 0.053	χ^2 /NDF: 2801429304.0/26	+ sign 143512.688 $\pm$ 0.036	χ^2 /NDF: 18446081084.0
Left Out: 145242.337 $\pm$ 0.050	χ^2 /NDF: 13032998081.1/24	All: 143327.266 $\pm$ 0.025	χ^2 /NDF: 377793149.0
Right Out: 141091.578 $\pm$ 0.049	χ^2 /NDF: 4425370698.8/32	- sign 143150.553 $\pm$ 0.035	χ^2 /NDF: 19282238140.9
Left In: 145456.704 $\pm$ 0.052	χ^2 /NDF: 11073020116.4/22		

yield_bpm0i05WS_rms vs Slug



Right In: 199.929+/-0.038 χ^2/NDF : 2600629.5/26

Left Out: 214.391+/-0.035 χ^2/NDF : 643384.3/24

Right Out: 194.704+/-0.034 χ^2/NDF : 3182796.6/32

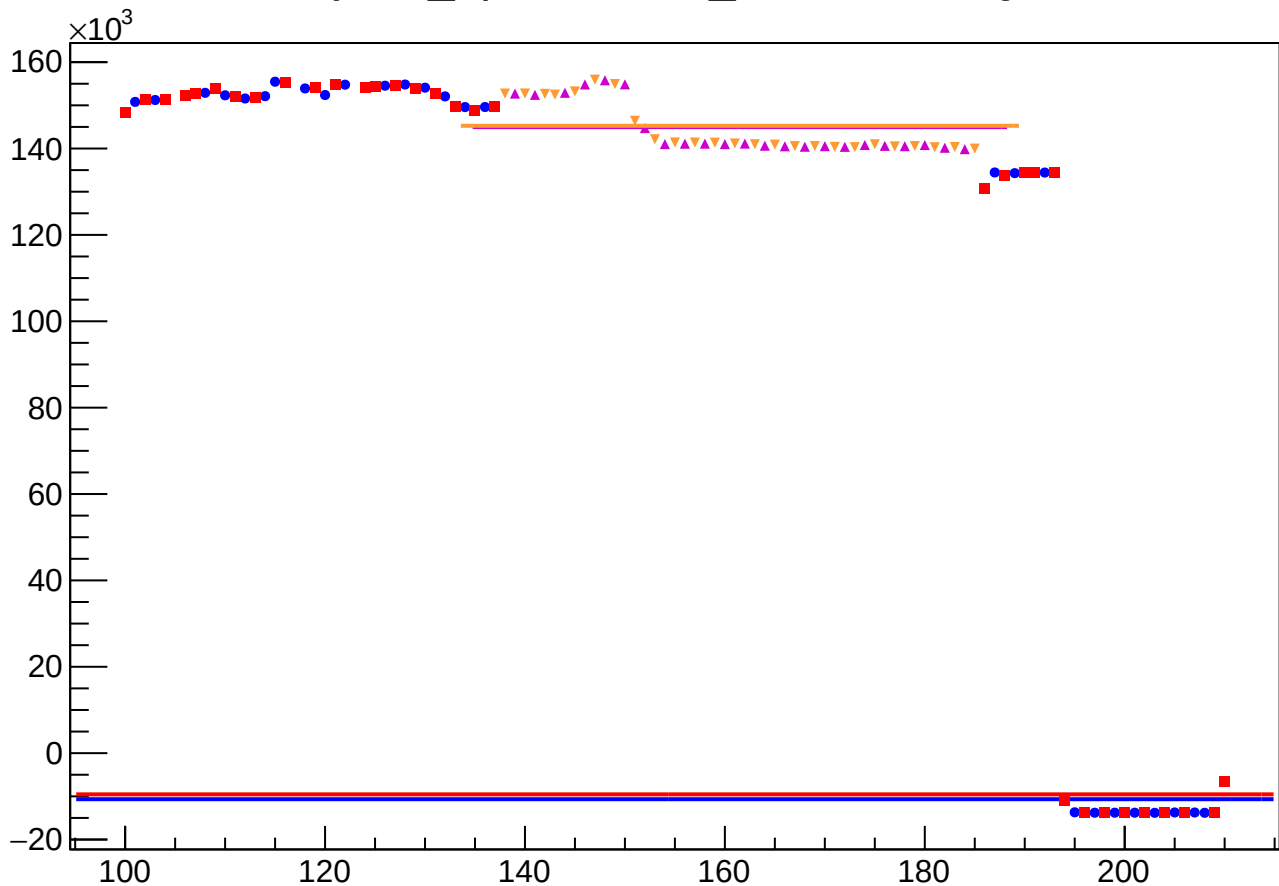
Left In: 216.654+/-0.036 χ^2/NDF : 587166.8/22

+ sign 207.663+/-0.026 χ^2/NDF : 3323049.6/51

All: 206.329+/-0.018 χ^2/NDF : 7289647.0/107

- sign 205.058+/-0.025 χ^2/NDF : 3961318.5/55

yield_bpm0i07WS_mean vs Slug



Right In: -10663.809 ± 0.009

χ^2/NDF : 5870421332627.6/26

Left Out: 145269.857 ± 0.049

χ^2/NDF : 13706269279.5/24

Right Out: -9538.702 ± 0.009

χ^2/NDF : 7135883444738.4/32

Left In: 144966.398 ± 0.051

χ^2/NDF : 13154547043.3/22

+ sign -5414.696 ± 0.009

χ^2/NDF : 1551739641716

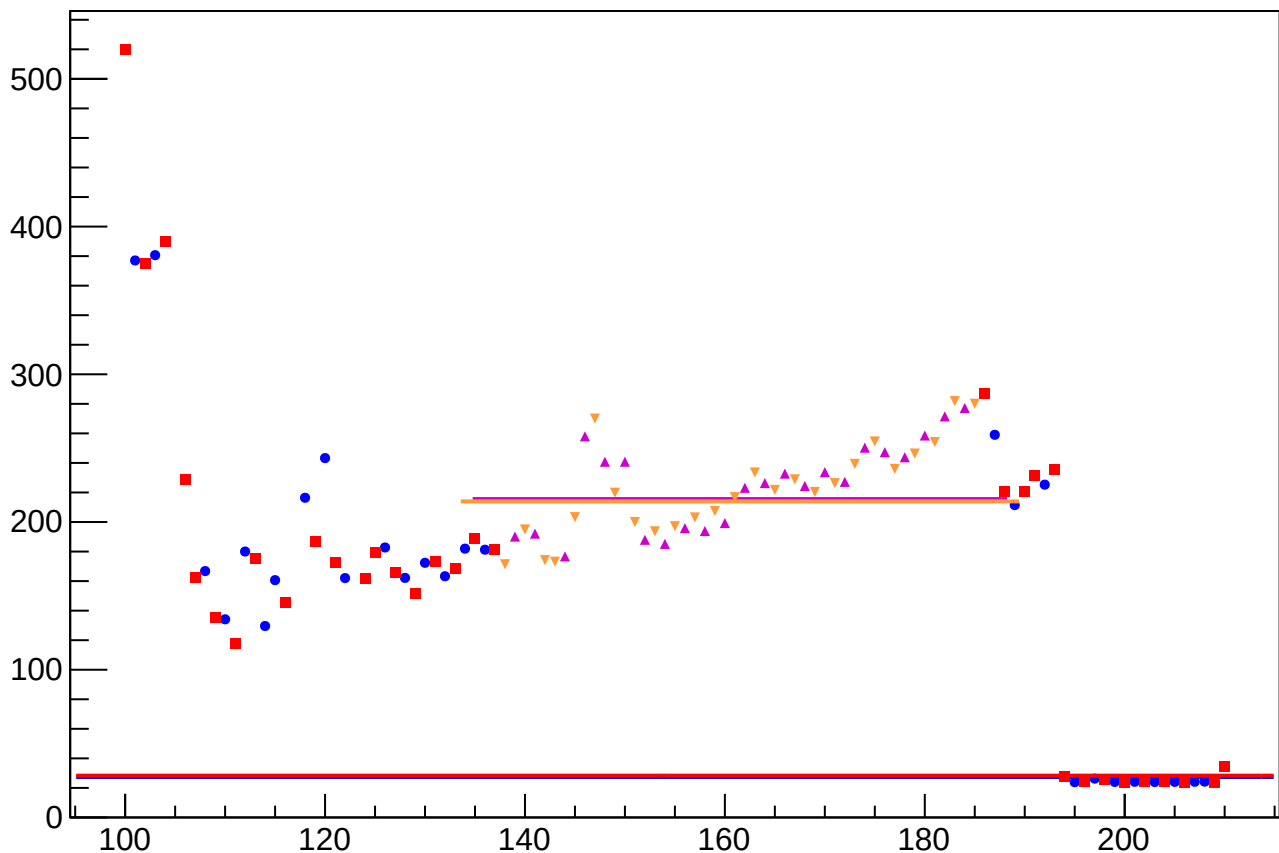
All: -4973.826 ± 0.006

χ^2/NDF : 3148015430

- sign -4516.189 ± 0.009

χ^2/NDF : 15957933392649

yield_bpm0i07WS_rms vs Slug



Right In: 27.396 ± 0.007 χ^2/NDF : 12665304.6/26

Left Out: 213.951 ± 0.035 χ^2/NDF : 650607.8/24

Right Out: 28.306 ± 0.007 χ^2/NDF : 14450120.5/32

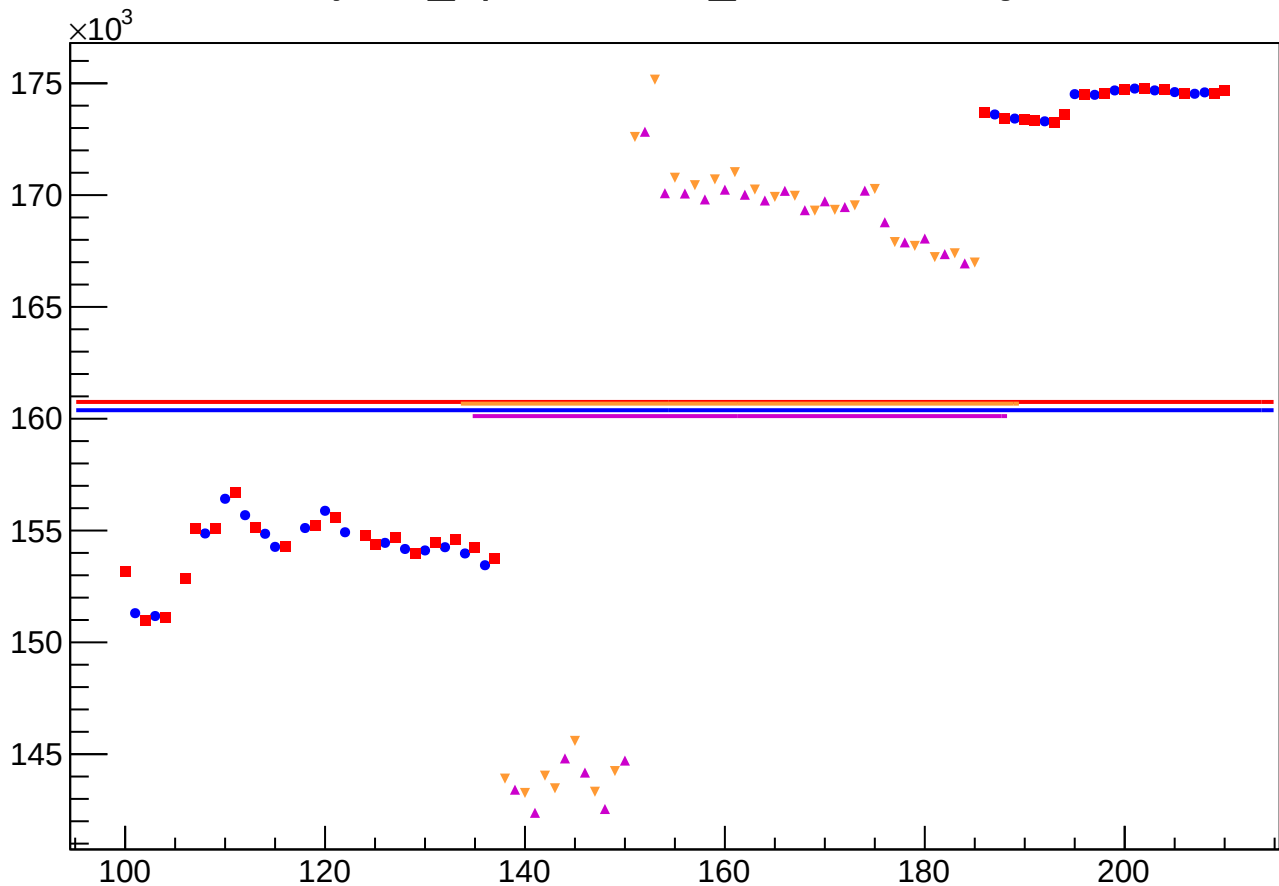
Left In: 215.539 ± 0.036 χ^2/NDF : 600575.7/22

+ sign 33.676 ± 0.006 χ^2/NDF : 40892246.1/51

All: 34.028 ± 0.005 χ^2/NDF : 81820879.2/107

- sign 34.393 ± 0.007 χ^2/NDF : 40922496.7/55

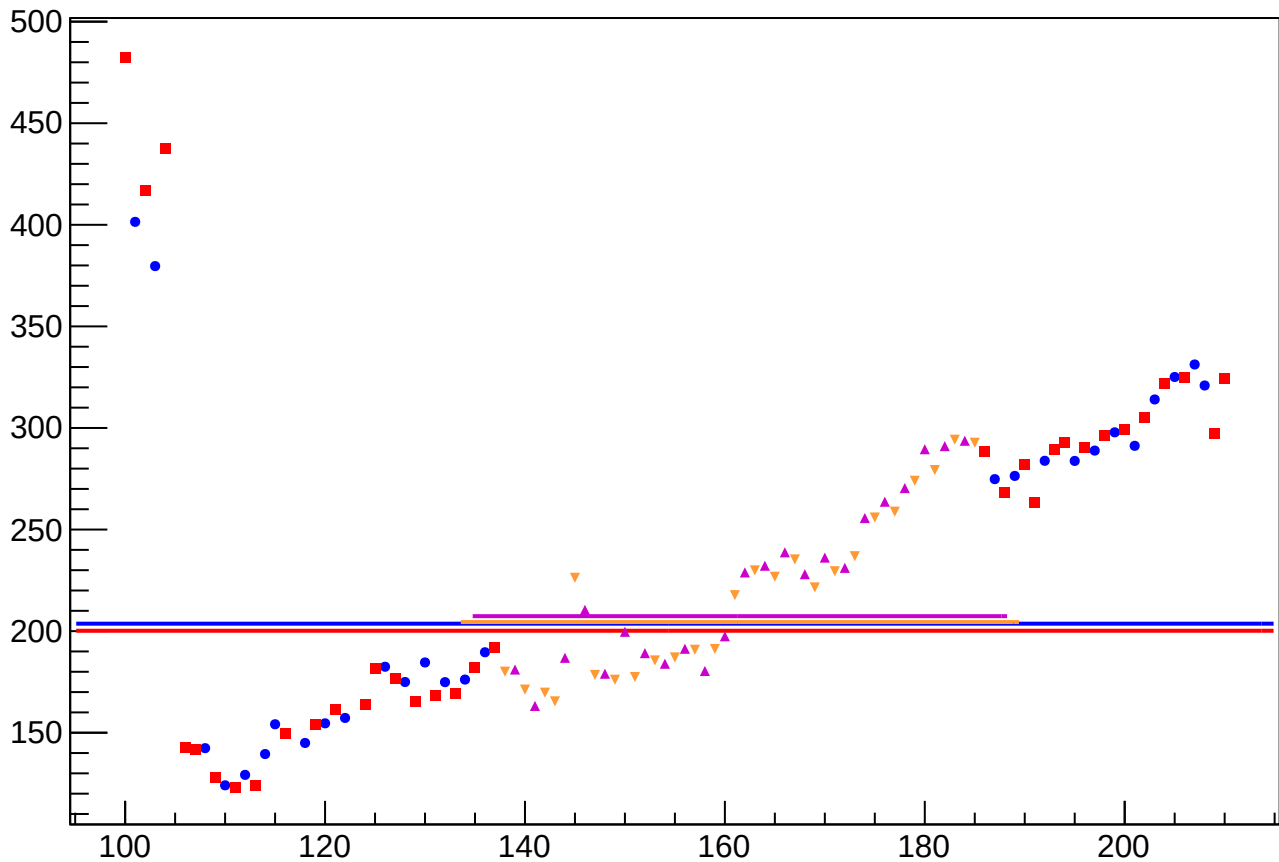
yield_bpm1i02WS_mean vs Slug



Right In: 160381.101 $\pm$ 0.055 χ^2 /NDF: 26340914891.3/26
 Left Out: 160674.818 $\pm$ 0.047 χ^2 /NDF: 74155131898.4/24
 Right Out: 160751.054 $\pm$ 0.051 χ^2 /NDF: 31289085373.3/32
 Left In: 160117.460 $\pm$ 0.049 χ^2 /NDF: 66553191753.2/22

+ sign 160549.676 $\pm$ 0.036 χ^2 /NDF: 100512412571
 All: 160486.628 $\pm$ 0.025 χ^2 /NDF: 198440695
 - sign 160425.256 $\pm$ 0.035 χ^2 /NDF: 97922197266.1

yield_bpm1i02WS_rms vs Slug



Right In: 203.677 $\pm$ 0.039 χ^2 /NDF: 3590447.8/26

Left Out: 204.476 $\pm$ 0.034 χ^2 /NDF:1073199.0/24

Right Out: 200.194 $\pm$ 0.036 χ^2 /NDF: 4541615.9/32

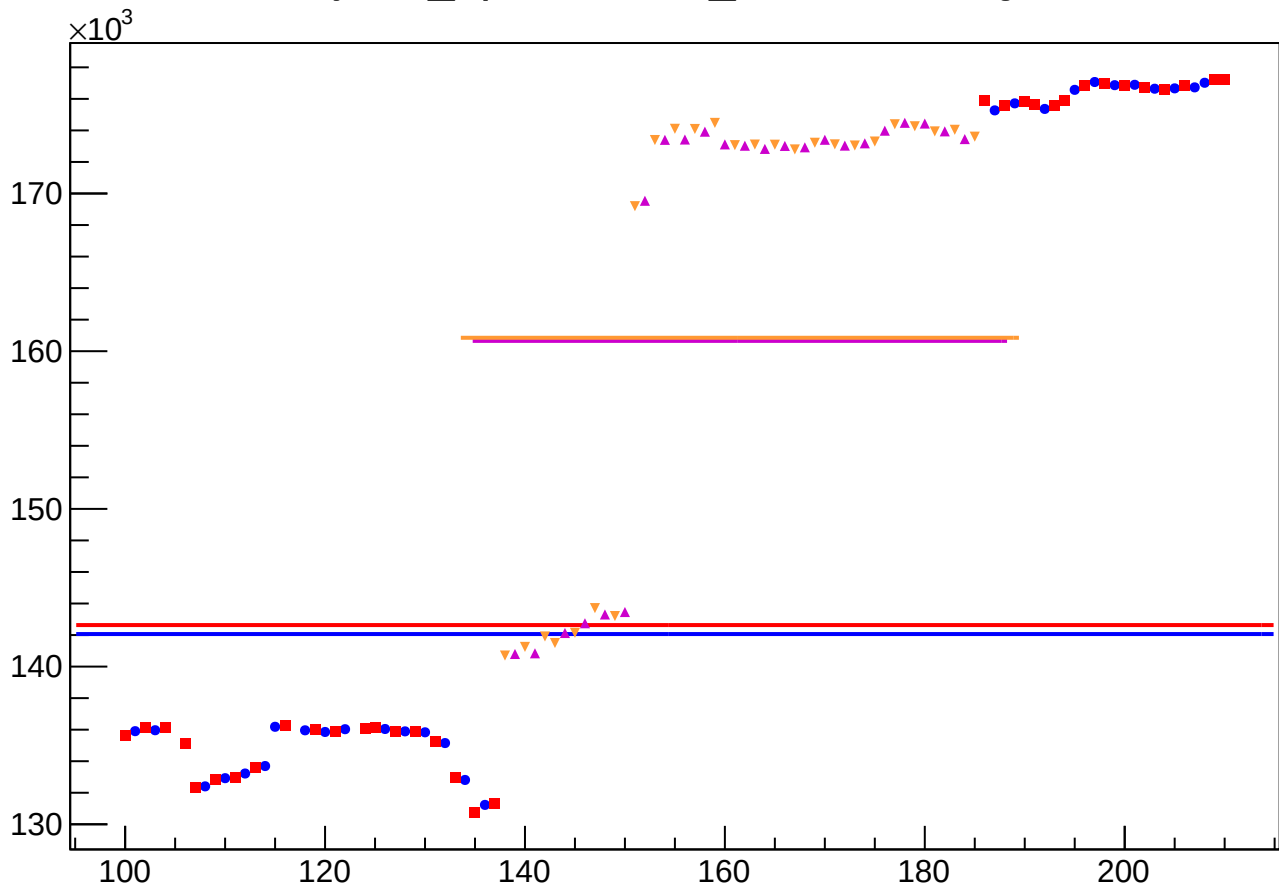
Left In: 207.368 $\pm$ 0.035 χ^2 /NDF:956644.0/22

+ sign 204.136 $\pm$ 0.025 χ^2 /NDF: 4663889.0/51

All: 204.008 $\pm$ 0.018 χ^2 /NDF: 10182690.1/10

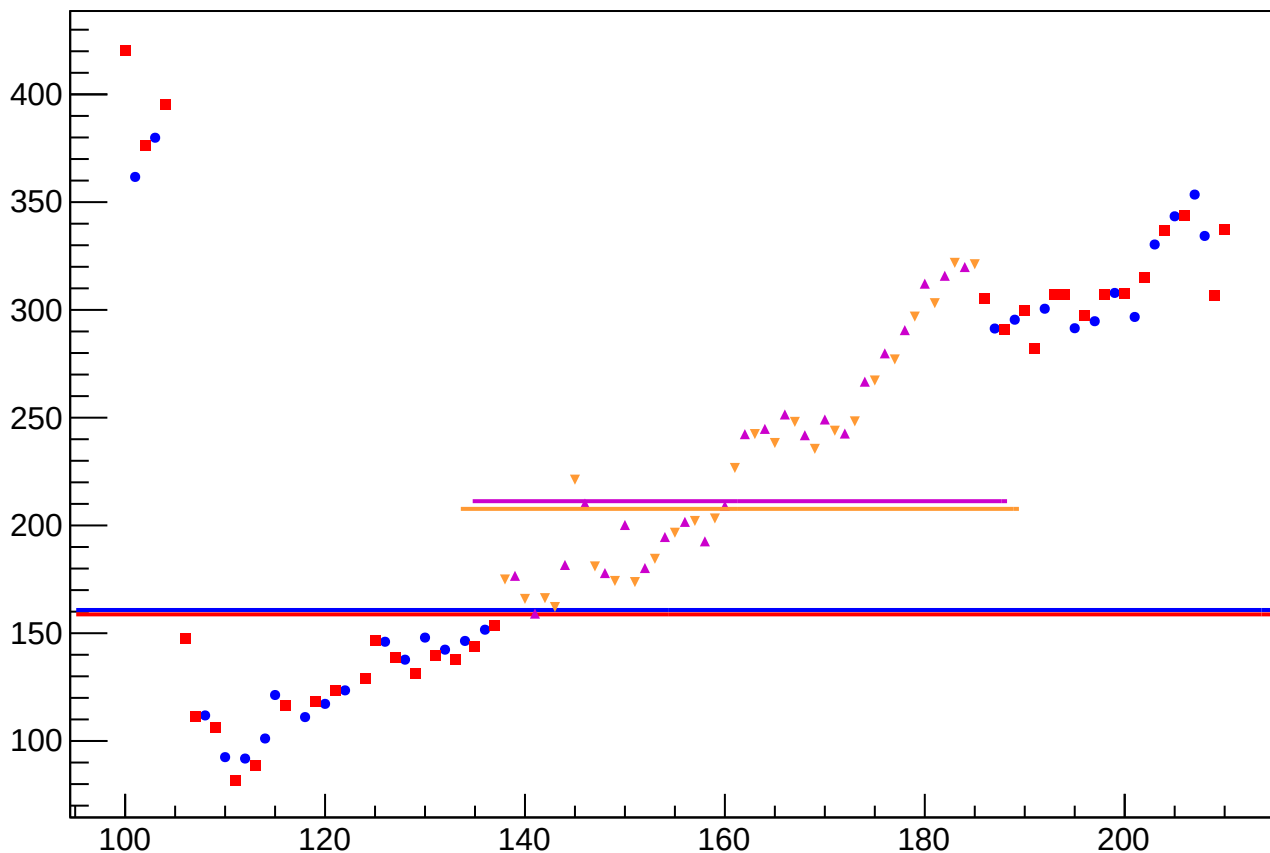
- sign 203.883 $\pm$ 0.025 χ^2 /NDF: 5518751.0/55

yield_bpm1i04WS_mean vs Slug



Right In: 142063.302 $\pm$ 0.046 χ^2 /NDF: 128517631506.0/26
 Left Out: 160851.077 $\pm$ 0.048 χ^2 /NDF: 99202825178.3/24
 Right Out: 142633.199 $\pm$ 0.043 χ^2 /NDF: 156207445844.0/32
 Left In: 160654.189 $\pm$ 0.051 χ^2 /NDF: 90149721861.0/22
 All: 150556.415 $\pm$ 0.023 χ^2 /NDF: 627392016
 + sign 150954.233 $\pm$ 0.033 χ^2 /NDF: 306998551438
 - sign 150172.393 $\pm$ 0.033 χ^2 /NDF: 320113237332

yield_bpm1i04WS_rms vs Slug



Right In: 160.780 $\pm$ 0.032 χ^2 /NDF: 6477071.4/26

Left Out: 207.689 $\pm$ 0.034 χ^2 /NDF:1500711.5/24

Right Out: 158.741 $\pm$ 0.030 χ^2 /NDF: 7983007.4/32

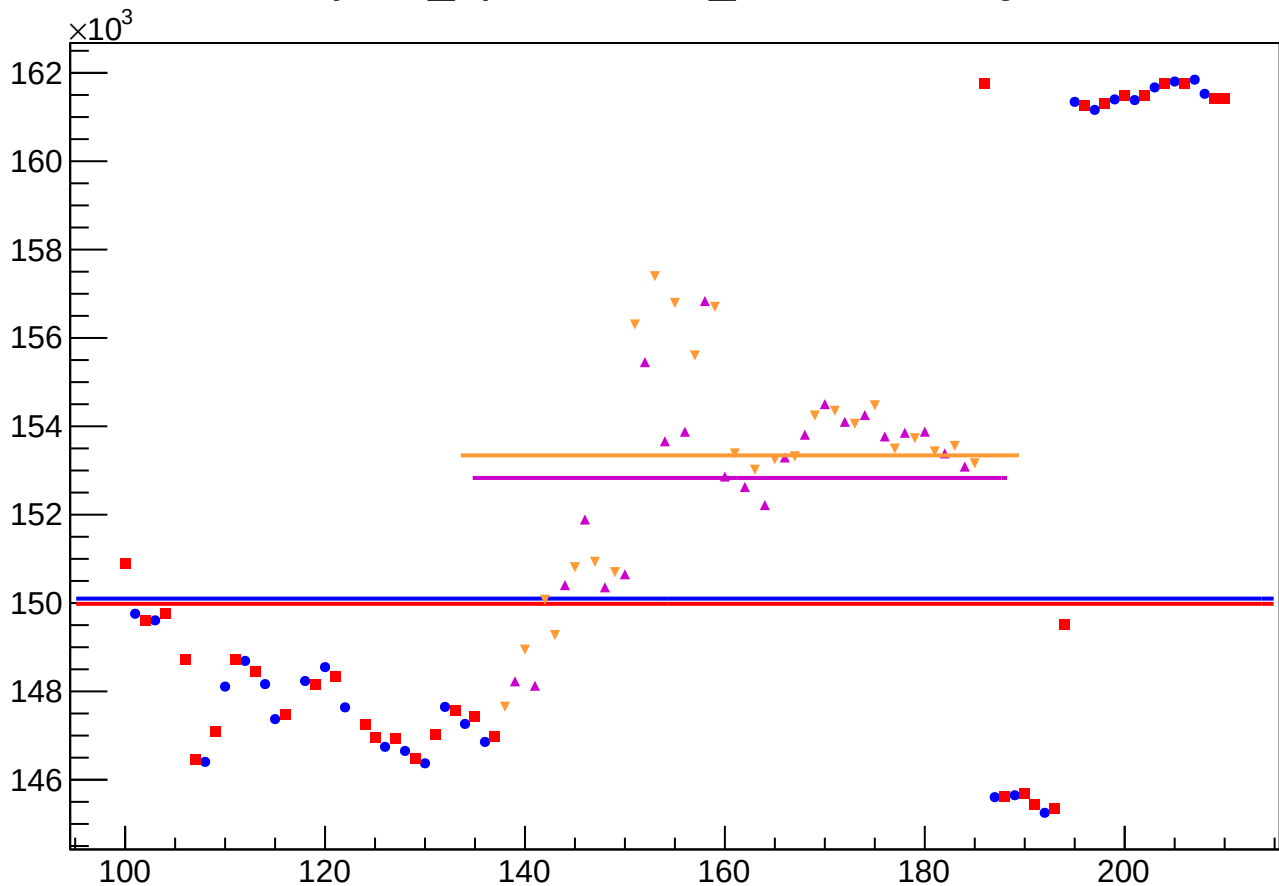
Left In: 211.254 $\pm$ 0.036 χ^2 /NDF:1305730.5/22

+ sign 182.979 $\pm$ 0.024 χ^2 /NDF: 8966206.3/51

All: 181.825 $\pm$ 0.017 χ^2 /NDF: 19512245.3/10

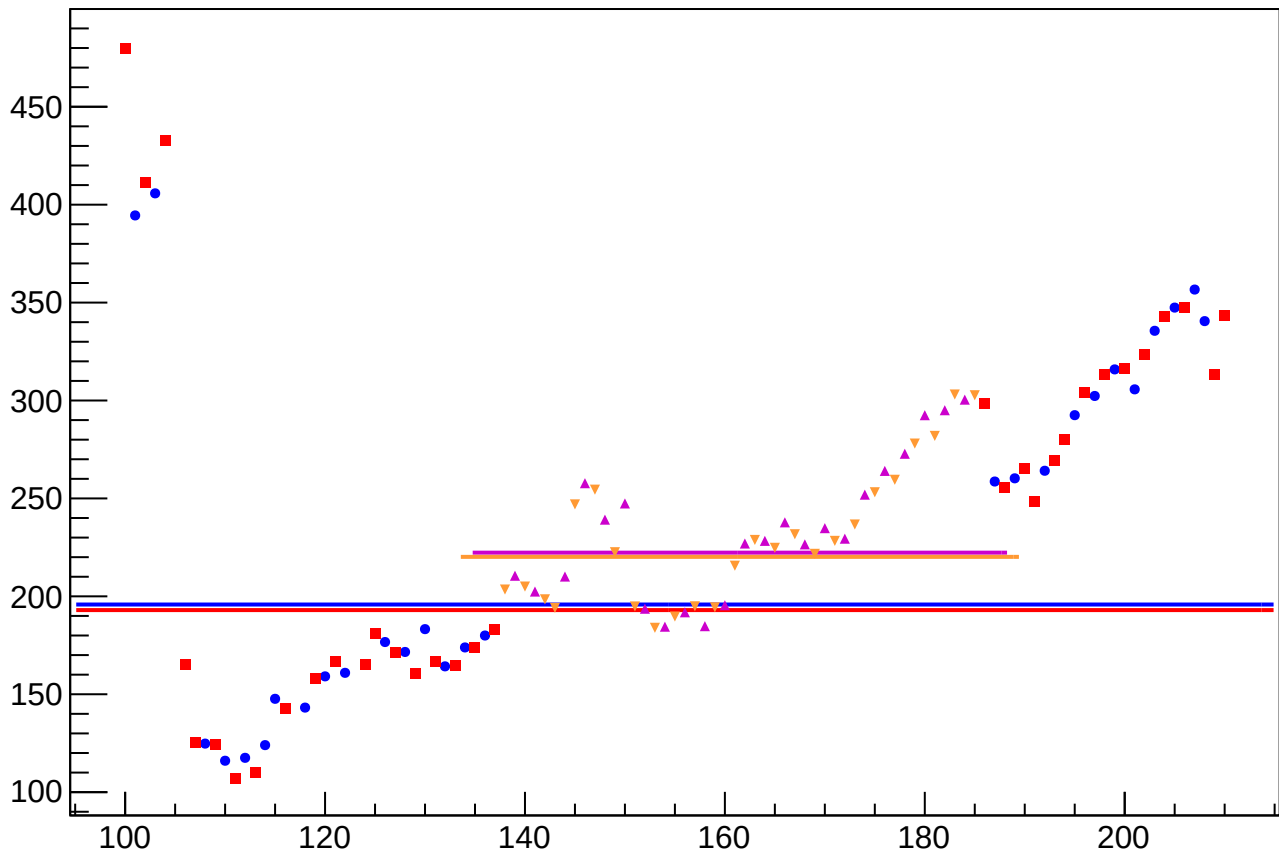
- sign 180.710 $\pm$ 0.023 χ^2 /NDF: 10541321.2/55

yield_bpm1i06WS_mean vs Slug



Right In: 150100.082 $\pm$ 0.054	χ^2 /NDF: 10920685686.8/26	+ sign 151811.079 $\pm$ 0.037	χ^2 /NDF: 15823432685.
Left Out: 153342.472 $\pm$ 0.051	χ^2 /NDF: 2978670616.9/24	All: 151562.616 $\pm$ 0.026	χ^2 /NDF: 309817245
Right Out: 149982.073 $\pm$ 0.050	χ^2 /NDF: 11613416462.0/32	- sign 151323.206 $\pm$ 0.036	χ^2 /NDF: 15069278460.2
Left In: 152831.399 $\pm$ 0.053	χ^2 /NDF: 1914395326.4/22		

yield_bpm1i06WS_rms vs Slug



Right In: 195.821+/-0.038 χ^2/NDF : 4423808.9/26

Left Out: 220.156+/-0.036 χ^2/NDF : 685590.6/24

Right Out: 192.976+/-0.035 χ^2/NDF : 5400491.2/32

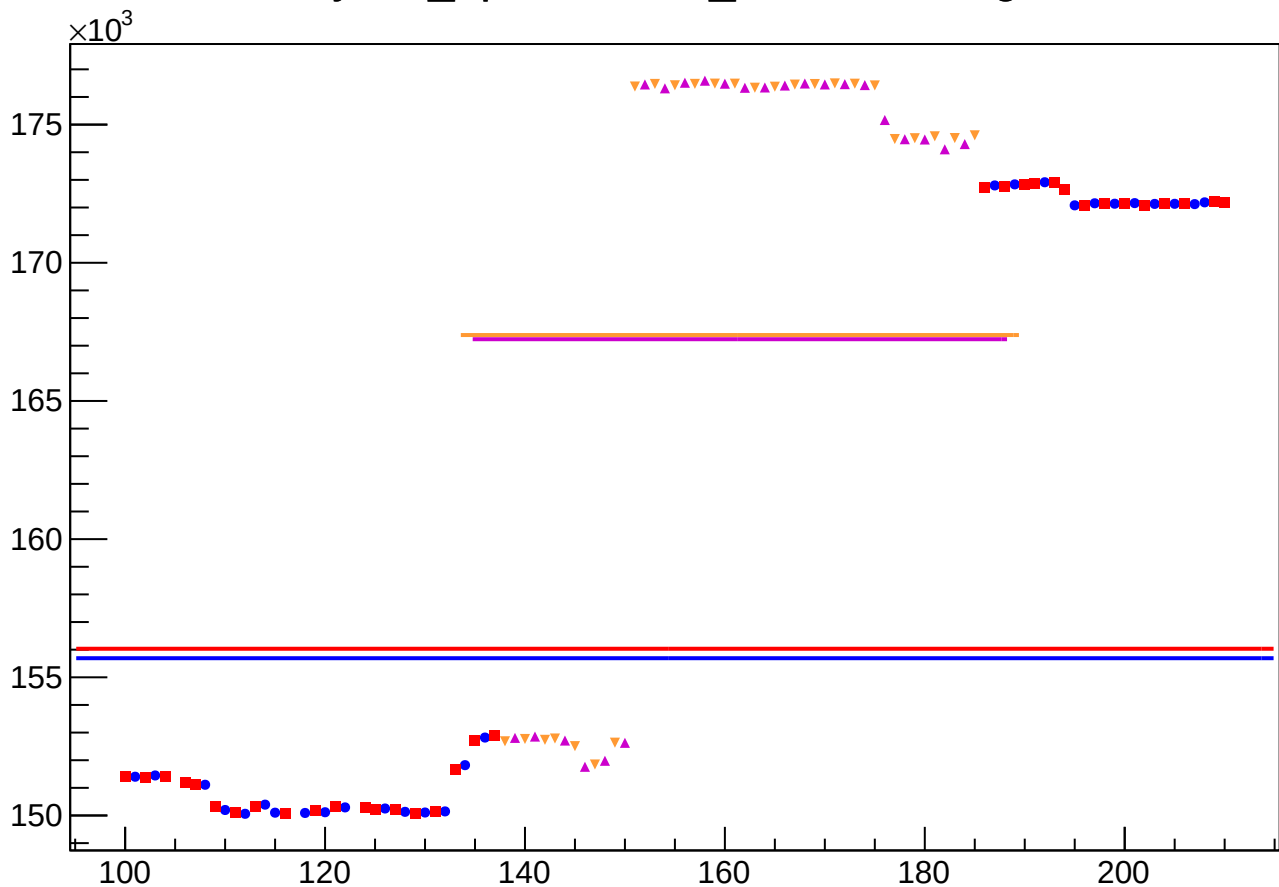
Left In: 222.304+/-0.037 χ^2/NDF : 697605.9/22

+ sign 208.662+/-0.026 χ^2/NDF : 5326155.9/51

All: 207.704+/-0.018 χ^2/NDF : 11753520.9/10

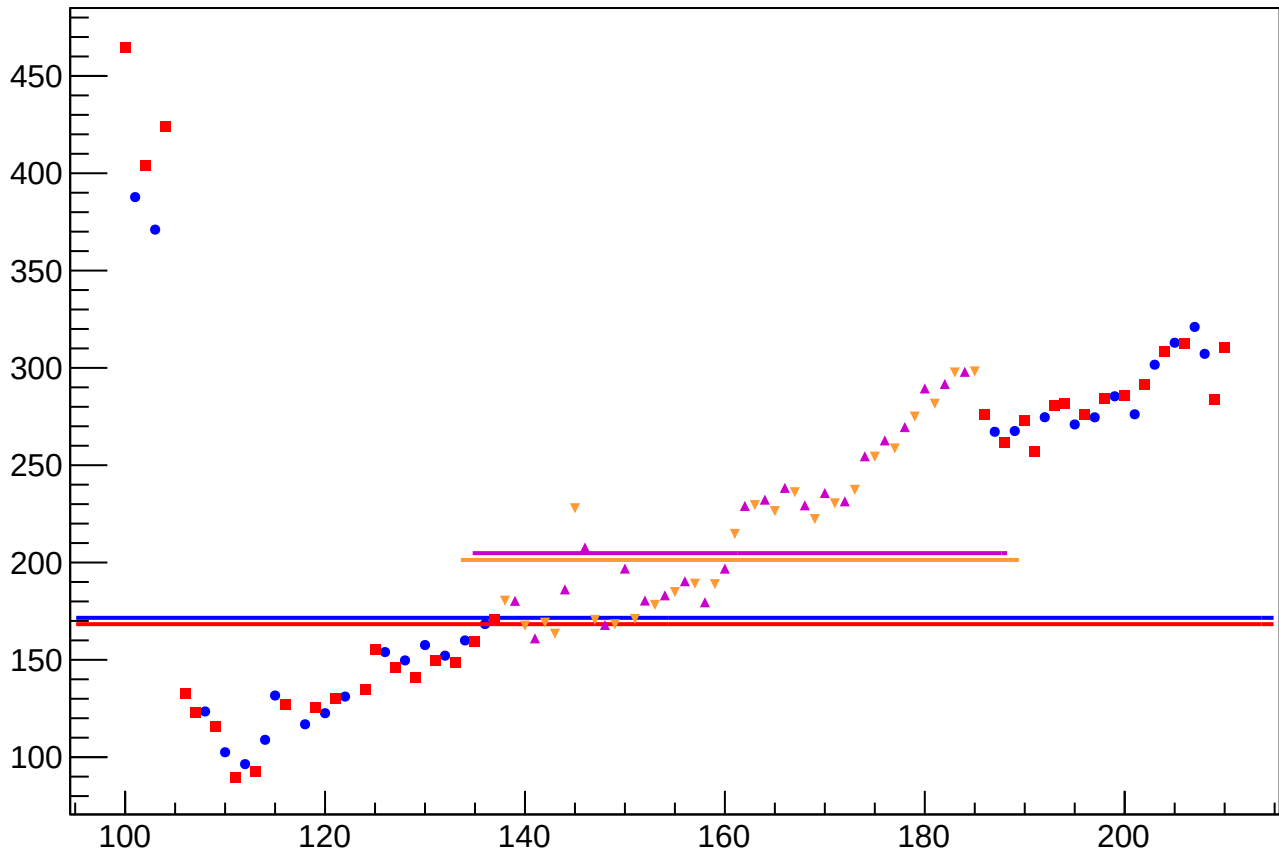
- sign 206.781+/-0.026 χ^2/NDF : 6424716.2/55

yield_bpm2i01WS_mean vs Slug



Right In: 155691.153 $\pm$ 0.048 χ^2 /NDF: 37573162164.0/26
 Left Out: 167385.483 $\pm$ 0.047 χ^2 /NDF: 59602607546.2/24
 Right Out: 156033.567 $\pm$ 0.044 χ^2 /NDF: 46141816016.7/32
 Left In: 167234.214 $\pm$ 0.049 χ^2 /NDF: 55099214555.0/22
 All: 161357.911 $\pm$ 0.023 χ^2 /NDF: 258157745
 + sign 161663.294 $\pm$ 0.033 χ^2 /NDF: 127816546786
 - sign 161064.200 $\pm$ 0.033 χ^2 /NDF: 130177159792

yield_bpm2i01WS_rms vs Slug



Right In: 171.590 $\pm$ 0.034 χ^2 /NDF: 5107798.6/26

Left Out: 201.329 $\pm$ 0.033 χ^2 /NDF:1230655.6/24

Right Out: 168.331 $\pm$ 0.031 χ^2 /NDF: 6391218.3/32

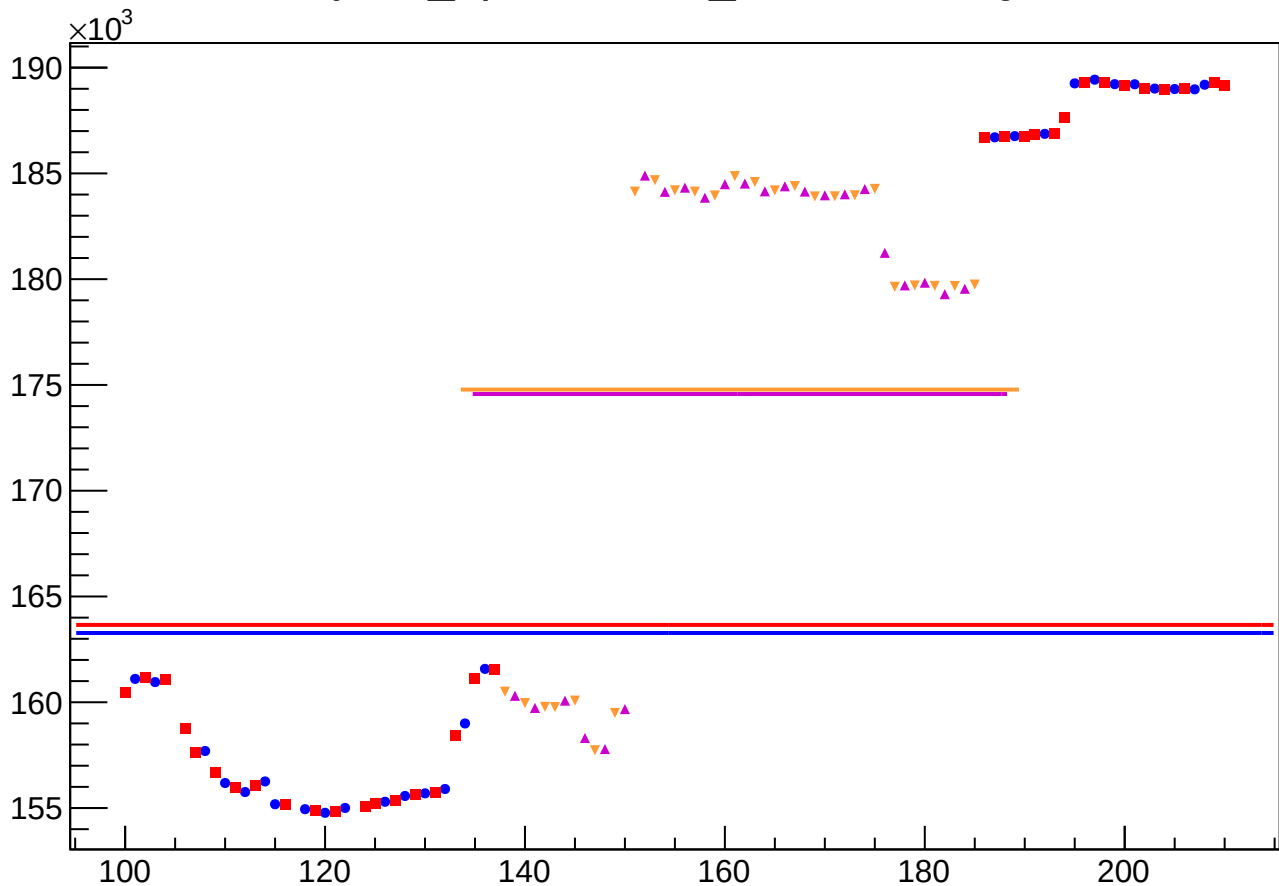
Left In: 204.826 $\pm$ 0.035 χ^2 /NDF:1053130.7/22

+ sign 186.777 $\pm$ 0.024 χ^2 /NDF: 6734749.7/51

All: 185.729 $\pm$ 0.017 χ^2 /NDF: 14797366.2/10

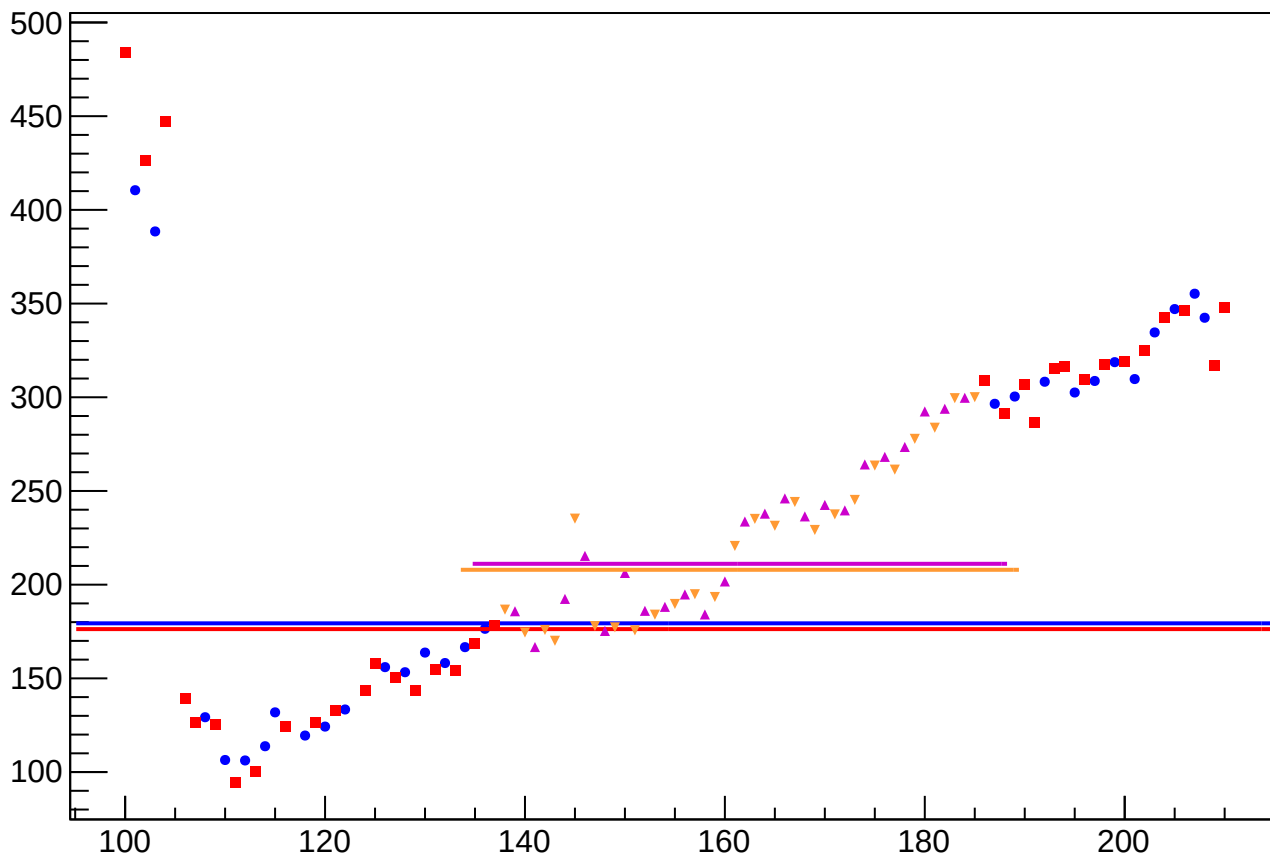
- sign 184.722 $\pm$ 0.023 χ^2 /NDF: 8058756.1/55

yield_bpm2i02WS_mean vs Slug



Right In: 163275.175 $\pm$ 0.050 χ^2 /NDF: 69127472808.5/26
 Left Out: 174780.651 $\pm$ 0.048 χ^2 /NDF: 58132787948.0/24
 Right Out: 163655.706 $\pm$ 0.047 χ^2 /NDF: 82487996850.3/32
 Left In: 174570.001 $\pm$ 0.050 χ^2 /NDF: 54757801795.4/22

yield_bpm2i02WS_rms vs Slug



Right In: 179.368 $\pm$ 0.036 χ^2 /NDF: 5663022.8/26

Left Out: 207.940 $\pm$ 0.034 χ^2 /NDF:1132127.7/24

Right Out: 176.288 $\pm$ 0.033 χ^2 /NDF: 7056403.7/32

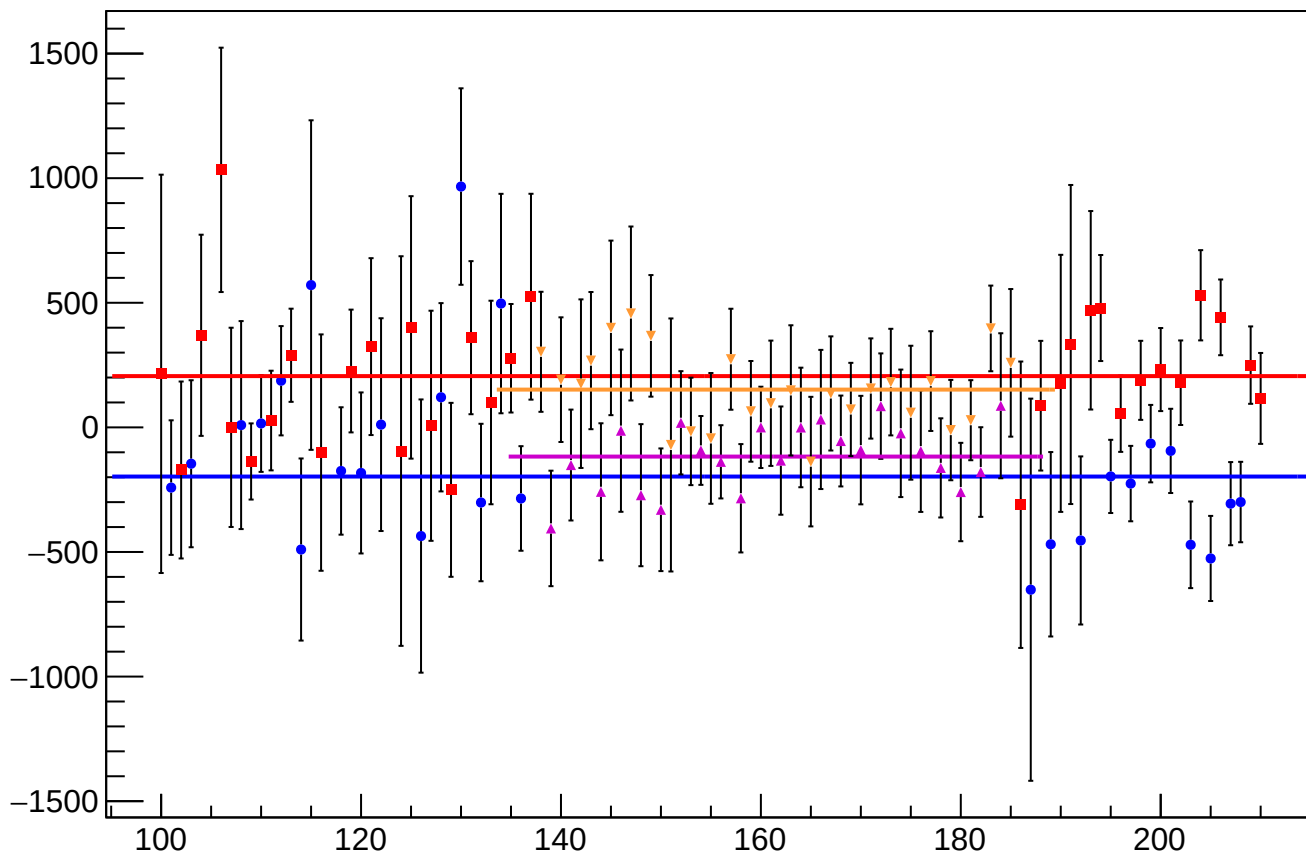
Left In: 211.133 $\pm$ 0.036 χ^2 /NDF:993720.4/22

+ sign 194.306 $\pm$ 0.025 χ^2 /NDF: 7130409.3/51

All: 193.349 $\pm$ 0.017 χ^2 /NDF: 15698109.8/10

- sign 192.425 $\pm$ 0.024 χ^2 /NDF: 8564736.8/55

asym_bcm_target_mean vs Slug



Right In: -197.304 ± 44.882 χ^2/NDF : 28.8/26

Left Out: 151.598 ± 46.419 χ^2/NDF : 9.6/24

Right Out: 205.760 ± 42.107 χ^2/NDF : 24.3/32

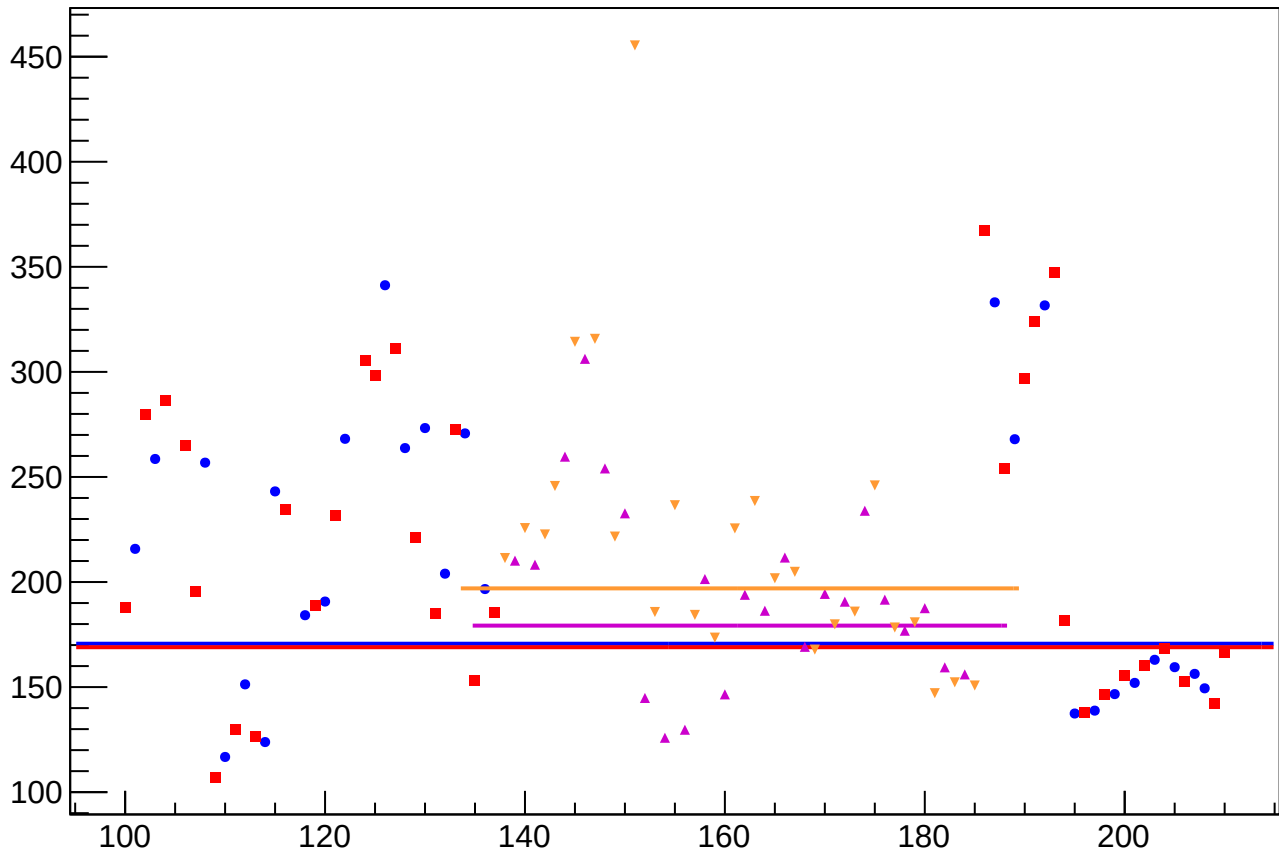
Left In: -117.163 ± 43.778 χ^2/NDF : 7.5/22

+ sign -28.727 ± 32.266 χ^2/NDF : 67.6/51

All: 13.354 ± 22.106 χ^2/NDF : 130.8/107

- sign 50.580 ± 30.348 χ^2/NDF : 60.0/55

asym_bcm_target_rms vs Slug



Right In: 170.638 $\pm$ 0.032 χ^2 /NDF: 2238451.2/26

Left Out: 196.975 $\pm$ 0.033 χ^2 /NDF:1809307.4/24

Right Out: 168.977 $\pm$ 0.030 χ^2 /NDF: 2963074.0/32

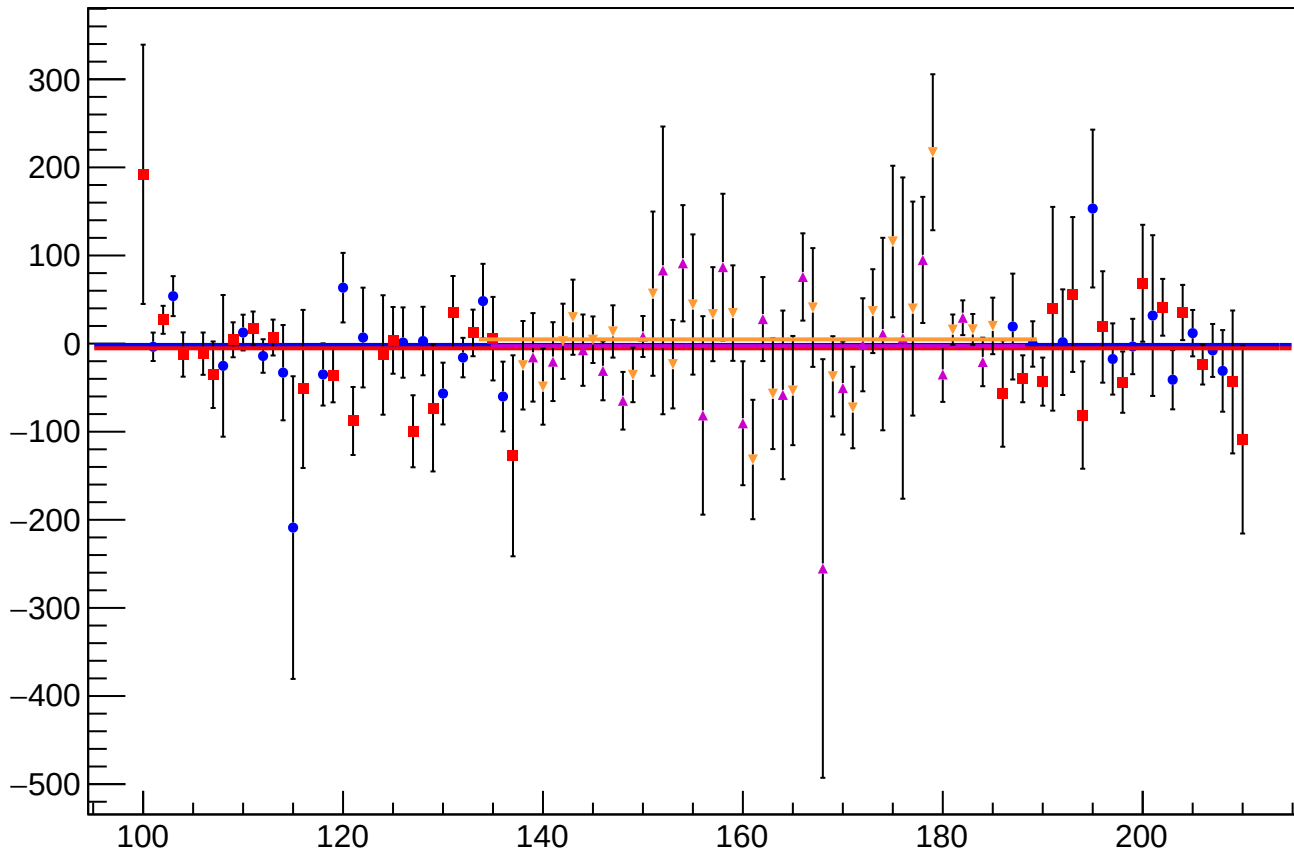
Left In: 179.256 $\pm$ 0.031 χ^2 /NDF:1656023.5/22

+ sign 183.363 $\pm$ 0.023 χ^2 /NDF: 4380510.5/51

All: 178.351 $\pm$ 0.016 χ^2 /NDF: 9147841.3/107

- sign 173.917 $\pm$ 0.021 χ^2 /NDF: 4676366.1/55

asym_bcm_an_diff_mean vs Slug



Right In: -1.509 ± 6.156 χ^2/NDF : 24.4/26

Left Out: 4.803 ± 7.601 χ^2/NDF : 24.3/24

Right Out: -5.359 ± 5.696 χ^2/NDF : 38.2/32

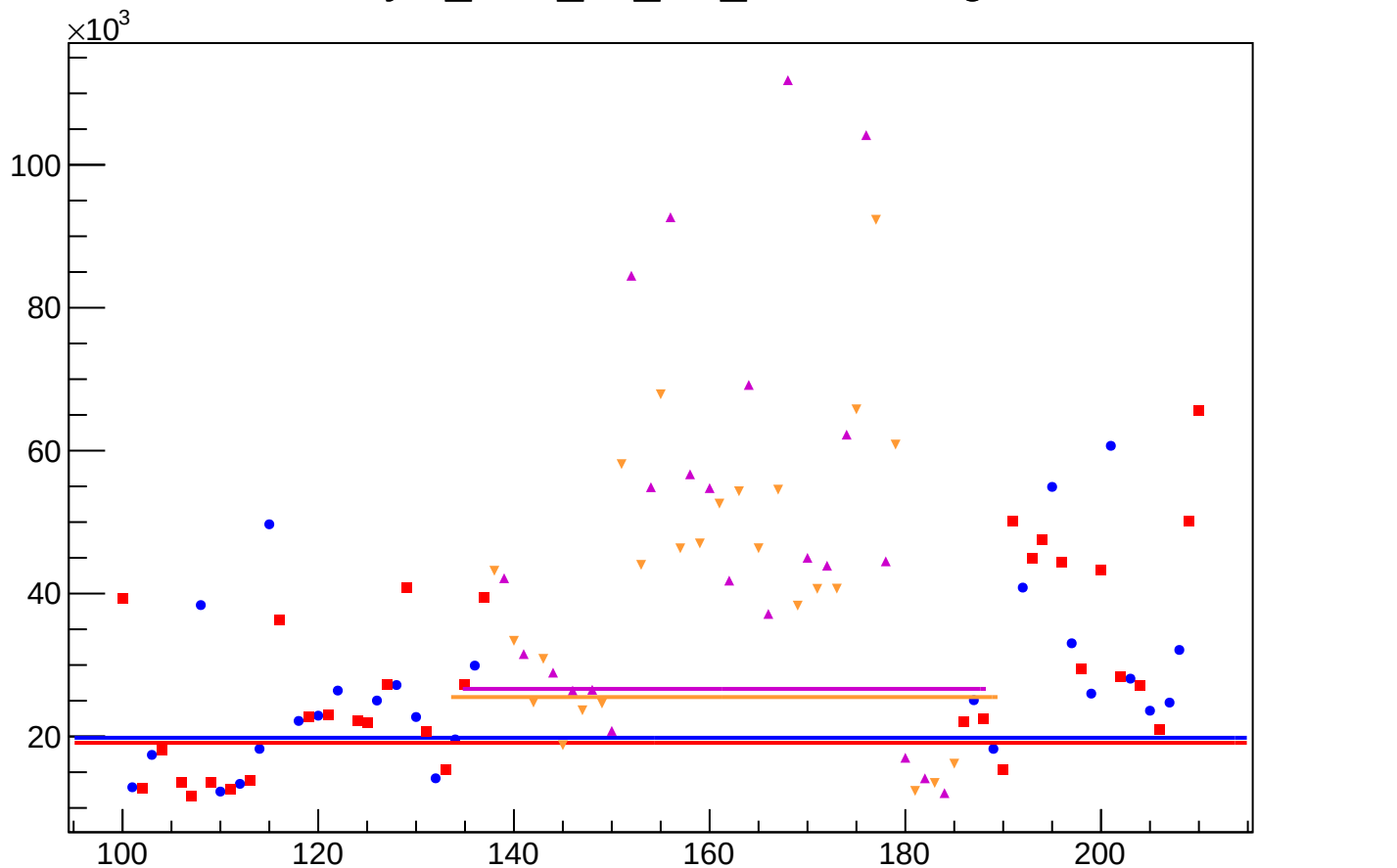
Left In: -2.918 ± 8.840 χ^2/NDF : 21.5/22

+ sign 0.991 ± 4.784 χ^2/NDF : 49.1/51

All: -1.823 ± 3.384 χ^2/NDF : 109.6/107

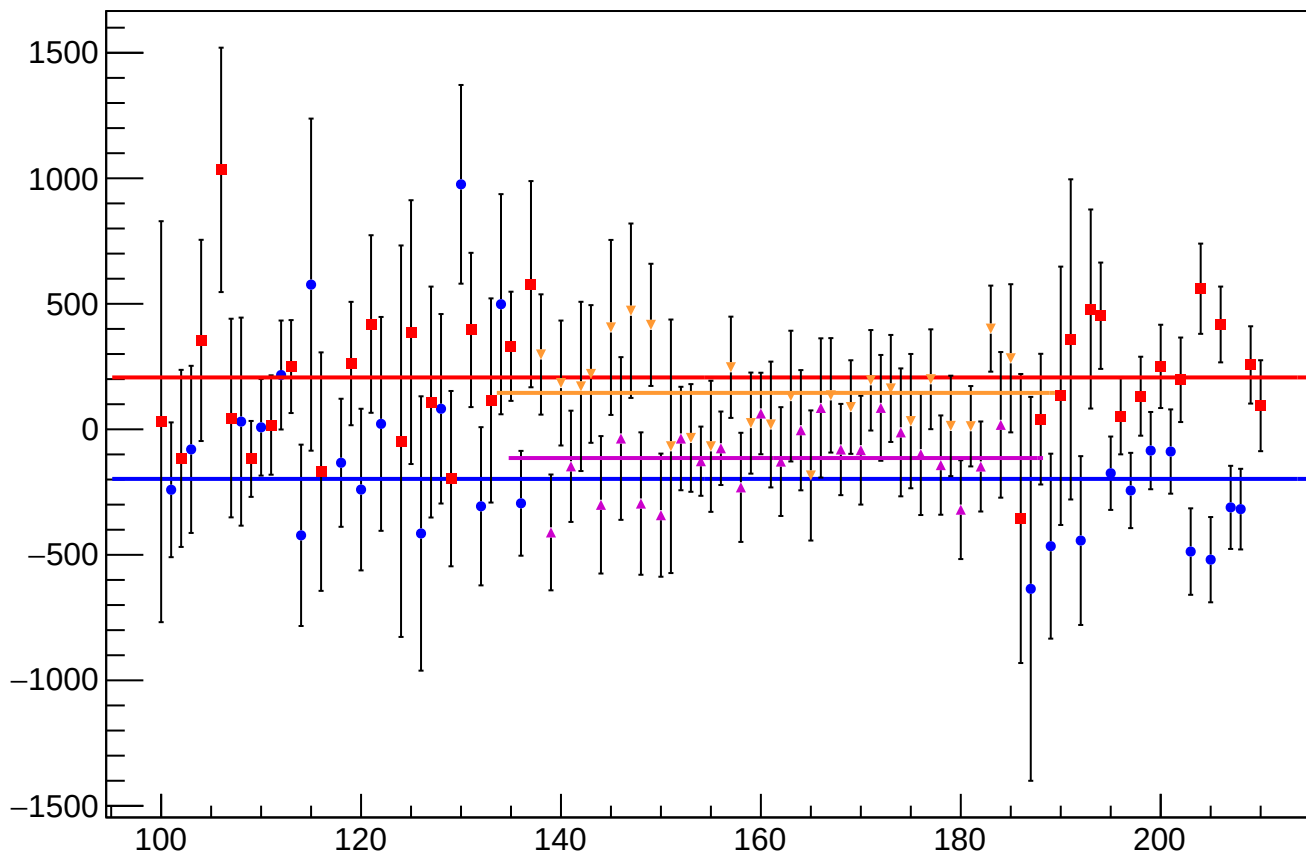
- sign -4.643 ± 4.788 χ^2/NDF : 59.7/55

asym_bcm_an_diff_rms vs Slug



Right In: 19818.677+/-4.353	χ^2/NDF : 3116835.4/26	+ sign 22074.025+/-3.383	χ^2/NDF : 11537191.2/51
Left Out: 25512.643+/-5.375	χ^2/NDF : 7742585.8/24	All: 21698.731+/-2.393	χ^2/NDF : 22679540.1
Right Out: 19106.435+/-4.028	χ^2/NDF : 4202486.4/32	- sign 21322.735+/-3.386	χ^2/NDF : 11117707.6/55
Left In: 26660.853+/-6.251	χ^2/NDF : 5883195.1/22		

asym_bcm_an_ds_mean vs Slug



Right In: -197.511 $\pm$ 44.587 χ^2/NDF : 29.6/26

Left Out: 145.172 $\pm$ 46.225 χ^2/NDF : 11.2/24

Right Out: 206.735 $\pm$ 41.840 χ^2/NDF : 24.8/32

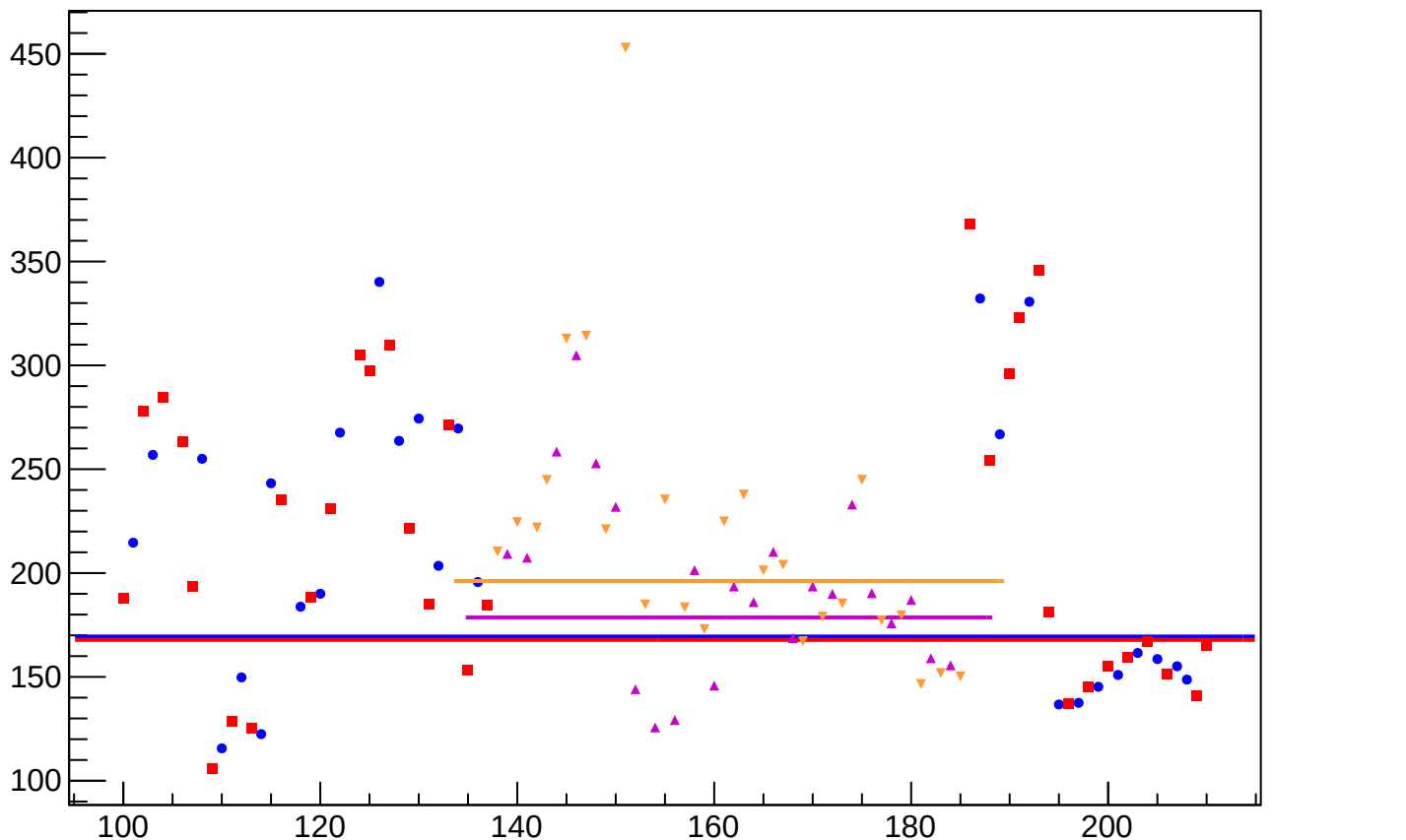
Left In: -114.400 $\pm$ 43.619 χ^2/NDF : 8.4/22

+ sign -32.348 $\pm$ 32.092 χ^2/NDF : 69.3/51

All: 12.844 $\pm$ 21.991 χ^2/NDF : 134.4/107

- sign 52.852 $\pm$ 30.195 χ^2/NDF : 61.4/55

asym_bcm_an_ds_rms vs Slug



Right In: 169.438 $\pm$ 0.032 χ^2/NDF : 2267490.2/26

Left Out: 196.166 $\pm$ 0.033 χ^2/NDF : 1806871.5/24

Right Out: 167.810 $\pm$ 0.030 χ^2/NDF : 3001460.1/32

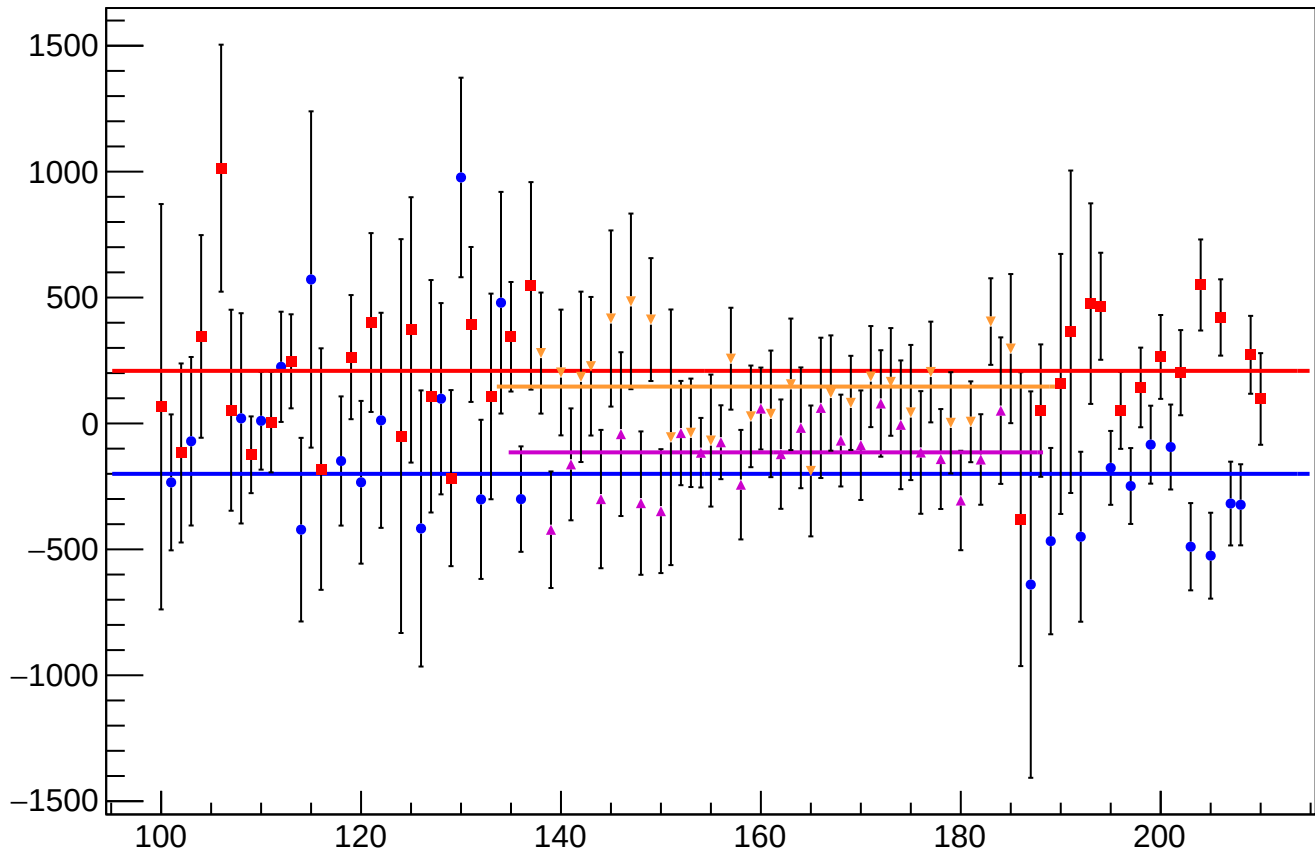
Left In: 178.621 $\pm$ 0.031 χ^2/NDF : 1651873.8/22

+ sign 182.320 $\pm$ 0.023 χ^2/NDF : 4420723.9/51

All: 177.371 $\pm$ 0.016 χ^2/NDF : 9227707.9/107

- sign 172.990 $\pm$ 0.021 χ^2/NDF : 4717319.8/55

asym_bcm_an_ds3_mean vs Slug



Right In: -200.090 ± 44.805 χ^2/NDF : 29.7/26

Left Out: 146.417 ± 46.379 χ^2/NDF : 11.4/24

Right Out: 208.865 ± 42.052 χ^2/NDF : 24.7/32

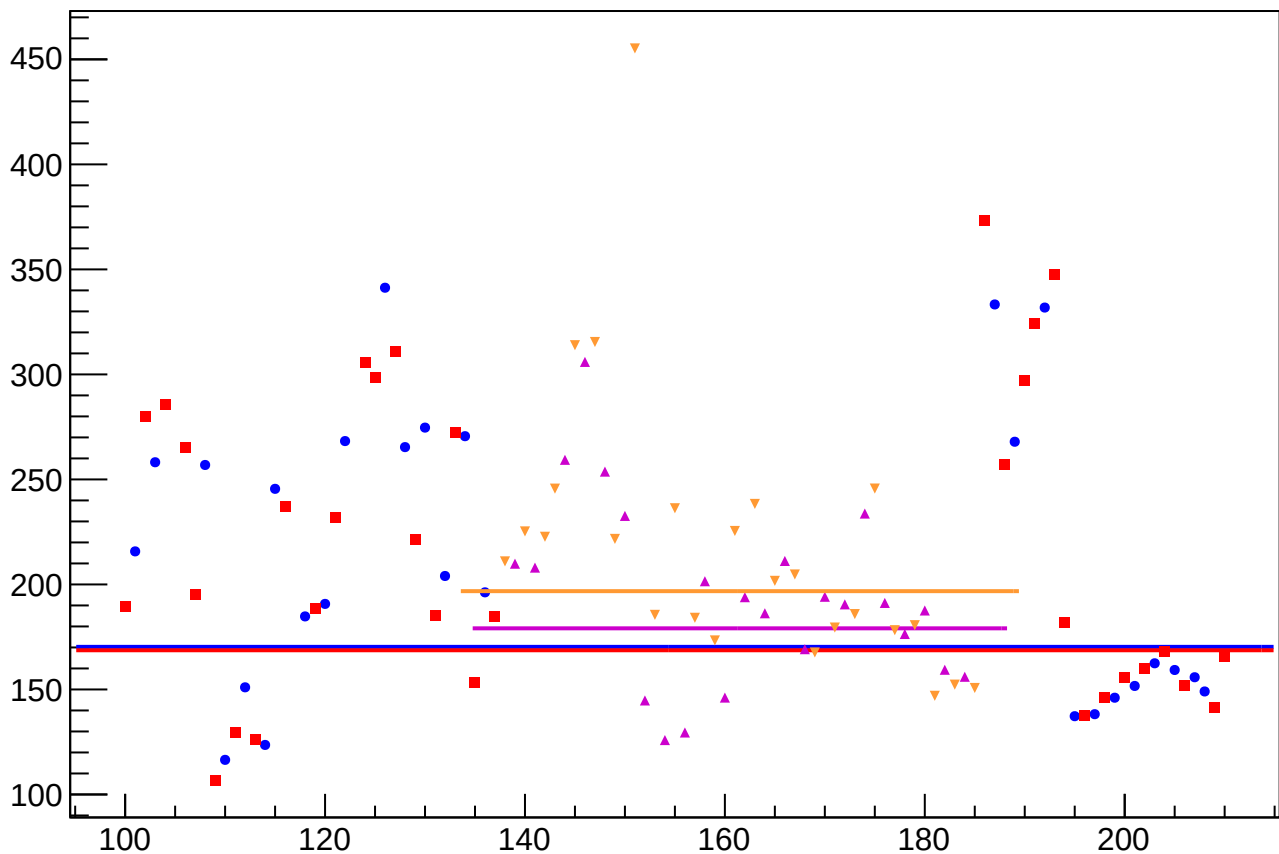
Left In: -114.807 ± 43.740 χ^2/NDF : 8.4/22

+ sign -32.816 ± 32.224 χ^2/NDF : 70.0/51

All: 12.921 ± 22.080 χ^2/NDF : 135.3/107

- sign 53.398 ± 30.314 χ^2/NDF : 61.5/55

asym_bcm_an_ds3_rms vs Slug



Right In: 170.284 $\pm$ 0.032 χ^2 /NDF: 2259768.5/26

Left Out: 196.805 $\pm$ 0.033 χ^2 /NDF:1808608.7/24

Right Out: 168.664 $\pm$ 0.030 χ^2 /NDF: 2998976.5/32

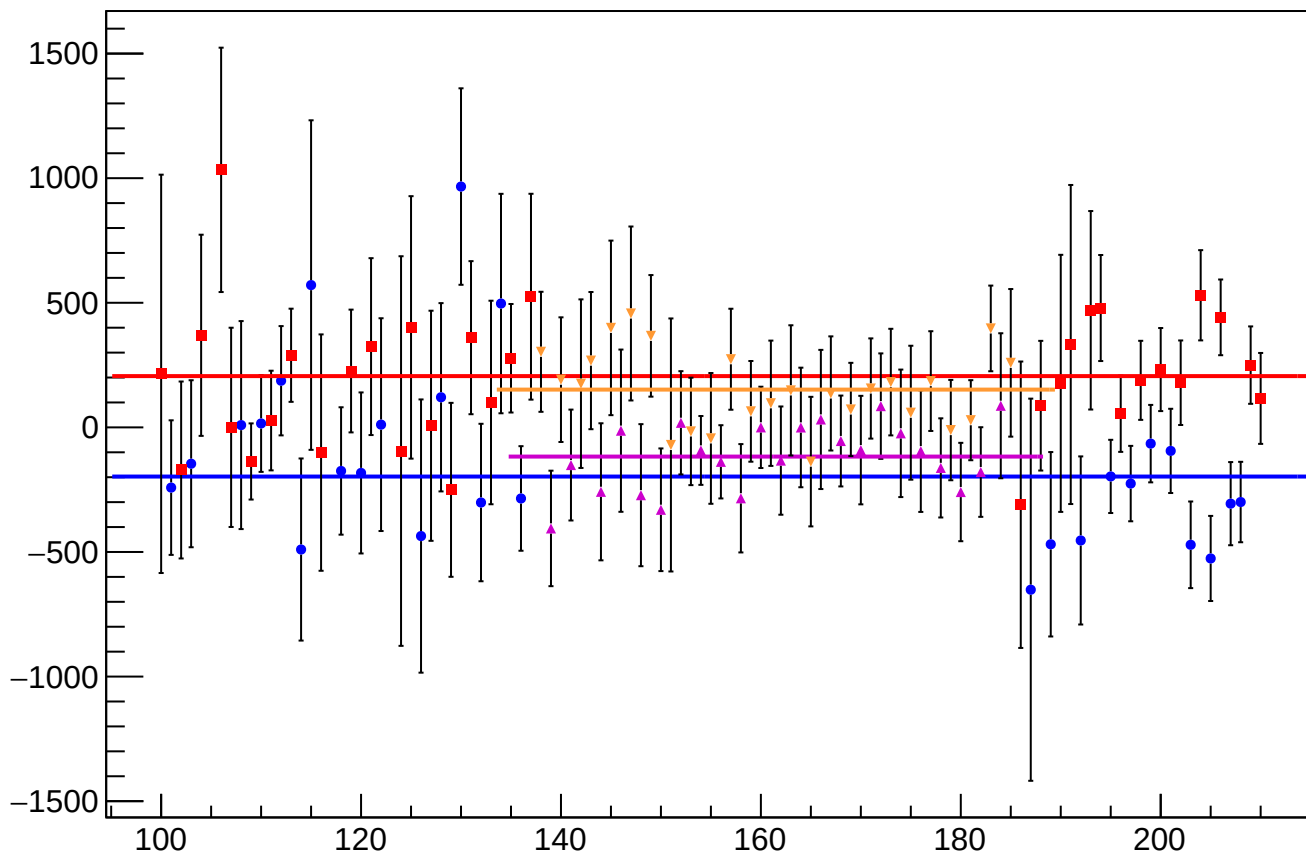
Left In: 179.101 $\pm$ 0.031 χ^2 /NDF:1655866.1/22

+ sign 183.087 $\pm$ 0.023 χ^2 /NDF: 4406661.0/51

All: 178.095 $\pm$ 0.016 χ^2 /NDF: 9211167.0/107

- sign 173.677 $\pm$ 0.021 χ^2 /NDF: 4714021.9/55

asym_bcm_an_us_mean vs Slug



Right In: -197.304 ± 44.882 χ^2/NDF : 28.8/26

Left Out: 151.598 ± 46.419 χ^2/NDF : 9.6/24

Right Out: 205.760 ± 42.107 χ^2/NDF : 24.3/32

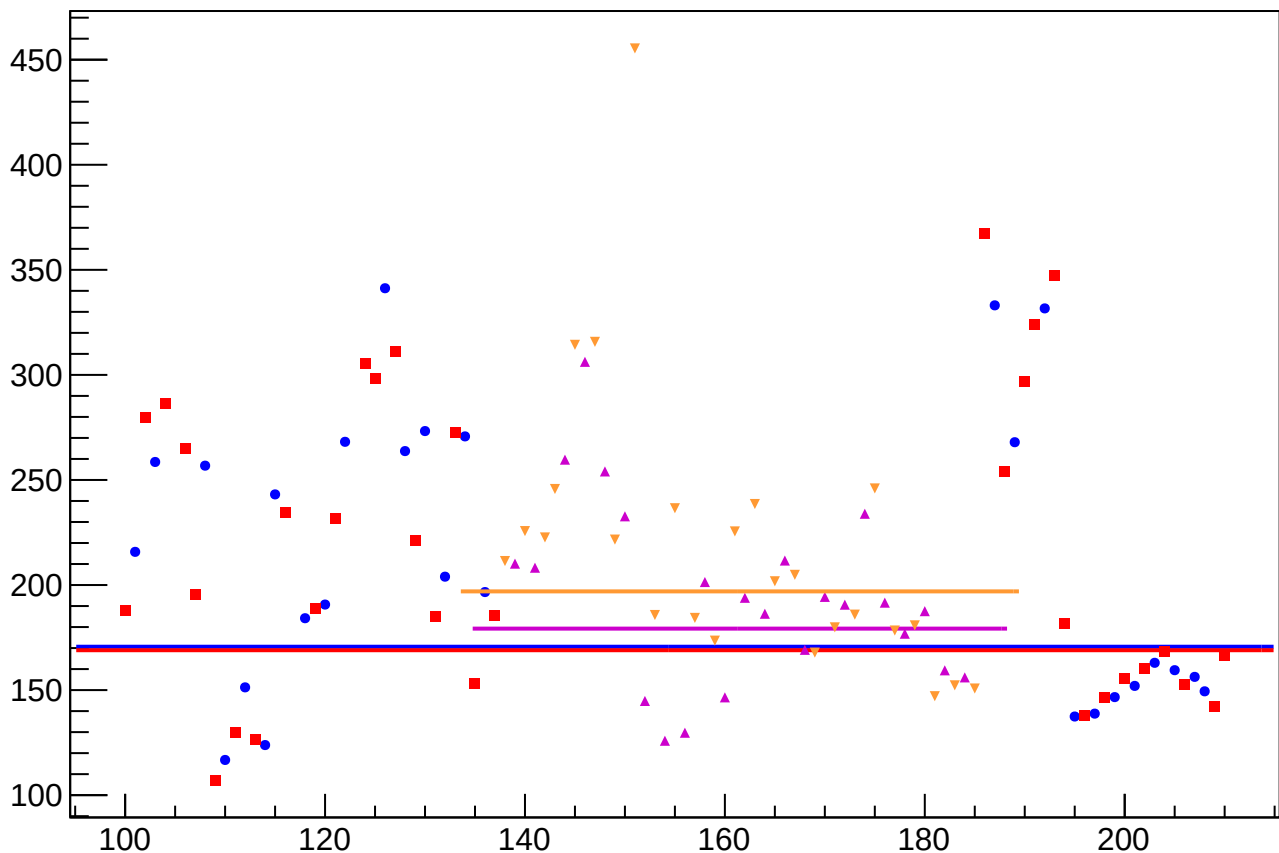
Left In: -117.163 ± 43.778 χ^2/NDF : 7.5/22

+ sign -28.727 ± 32.266 χ^2/NDF : 67.6/51

All: 13.354 ± 22.106 χ^2/NDF : 130.8/107

- sign 50.580 ± 30.348 χ^2/NDF : 60.0/55

asym_bcm_an_us_rms vs Slug



Right In: 170.638 $\pm$ 0.032 χ^2 /NDF: 2238451.2/26

Left Out: 196.975 $\pm$ 0.033 χ^2 /NDF:1809307.4/24

Right Out: 168.977 $\pm$ 0.030 χ^2 /NDF: 2963074.0/32

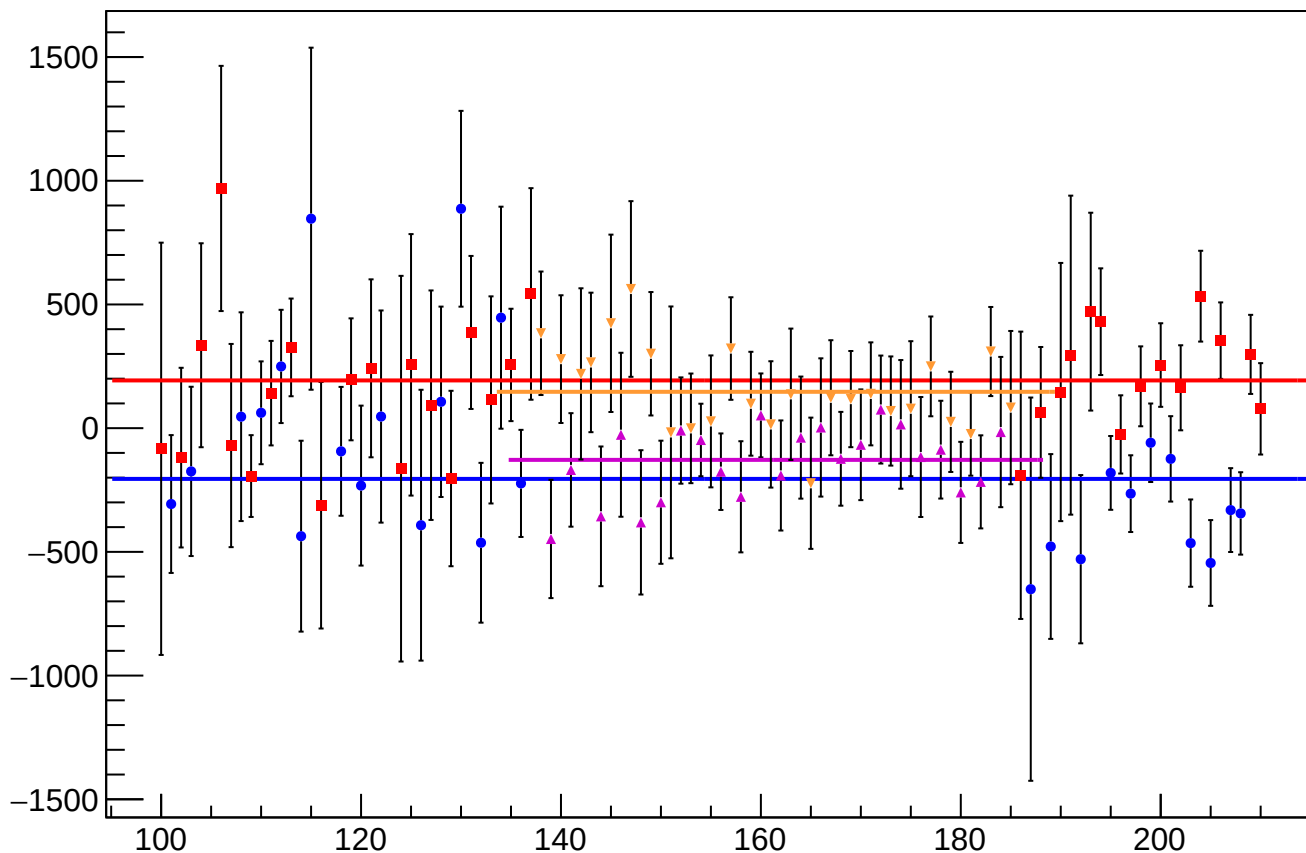
Left In: 179.256 $\pm$ 0.031 χ^2 /NDF:1656023.5/22

+ sign 183.363 $\pm$ 0.023 χ^2 /NDF: 4380510.5/51

All: 178.351 $\pm$ 0.016 χ^2 /NDF: 9147841.3/107

- sign 173.917 $\pm$ 0.021 χ^2 /NDF: 4676366.1/55

asym_bcm_dg_us_mean vs Slug



Right In: -205.059 ± 45.936 χ^2/NDF : 30.7/26

Left Out: 146.973 ± 47.709 χ^2/NDF : 10.2/24

Right Out: 192.950 ± 43.230 χ^2/NDF : 23.4/32

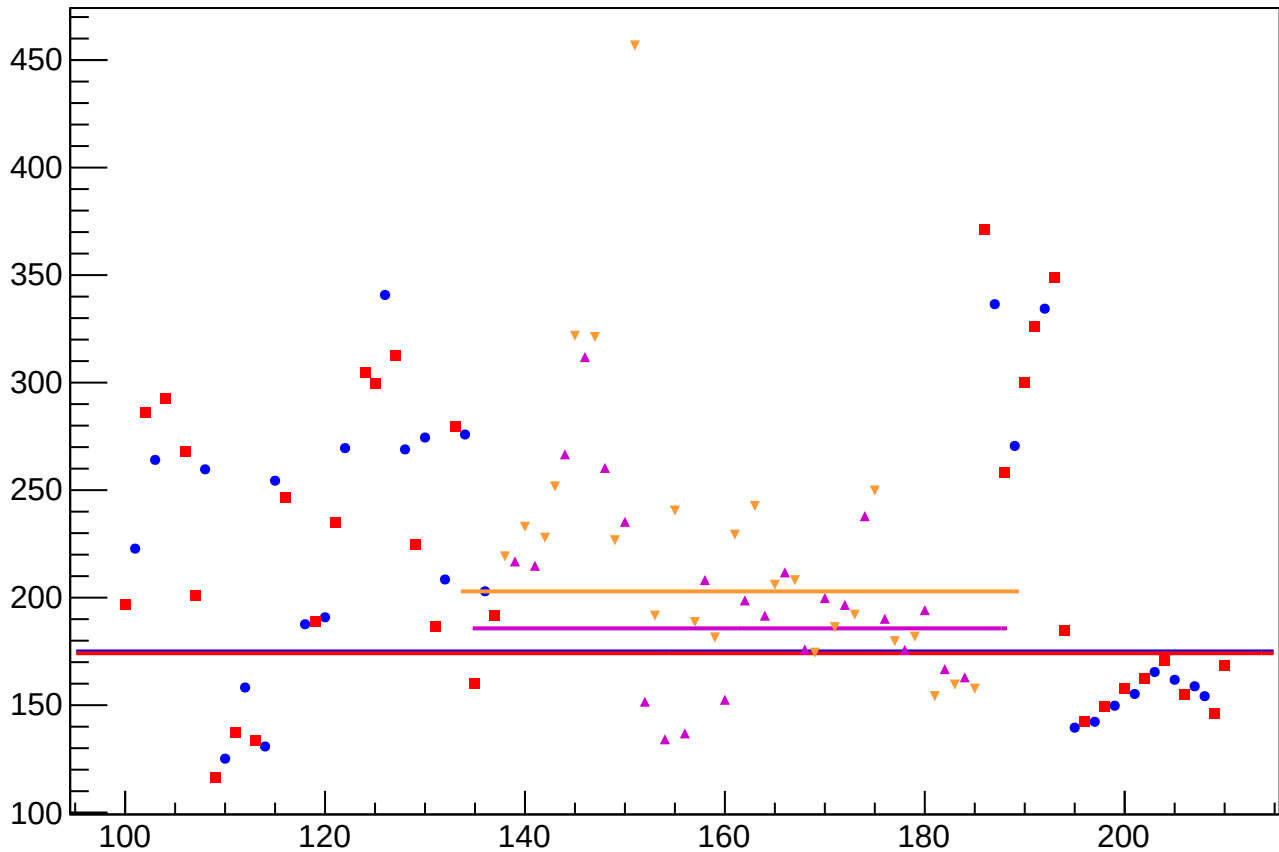
Left In: -128.159 ± 45.200 χ^2/NDF : 8.6/22

+ sign -35.704 ± 33.091 χ^2/NDF : 69.2/51

All: 4.081 ± 22.717 χ^2/NDF : 130.2/107

- sign 39.544 ± 31.242 χ^2/NDF : 58.3/55

asym_bcm_dg_us_rms vs Slug



Right In: 174.982 $\pm$ 0.032 χ^2 /NDF: 2148656.0/26

Left Out: 202.920 $\pm$ 0.034 χ^2 /NDF:1700115.2/24

Right Out: 174.162 $\pm$ 0.031 χ^2 /NDF: 2758543.1/32

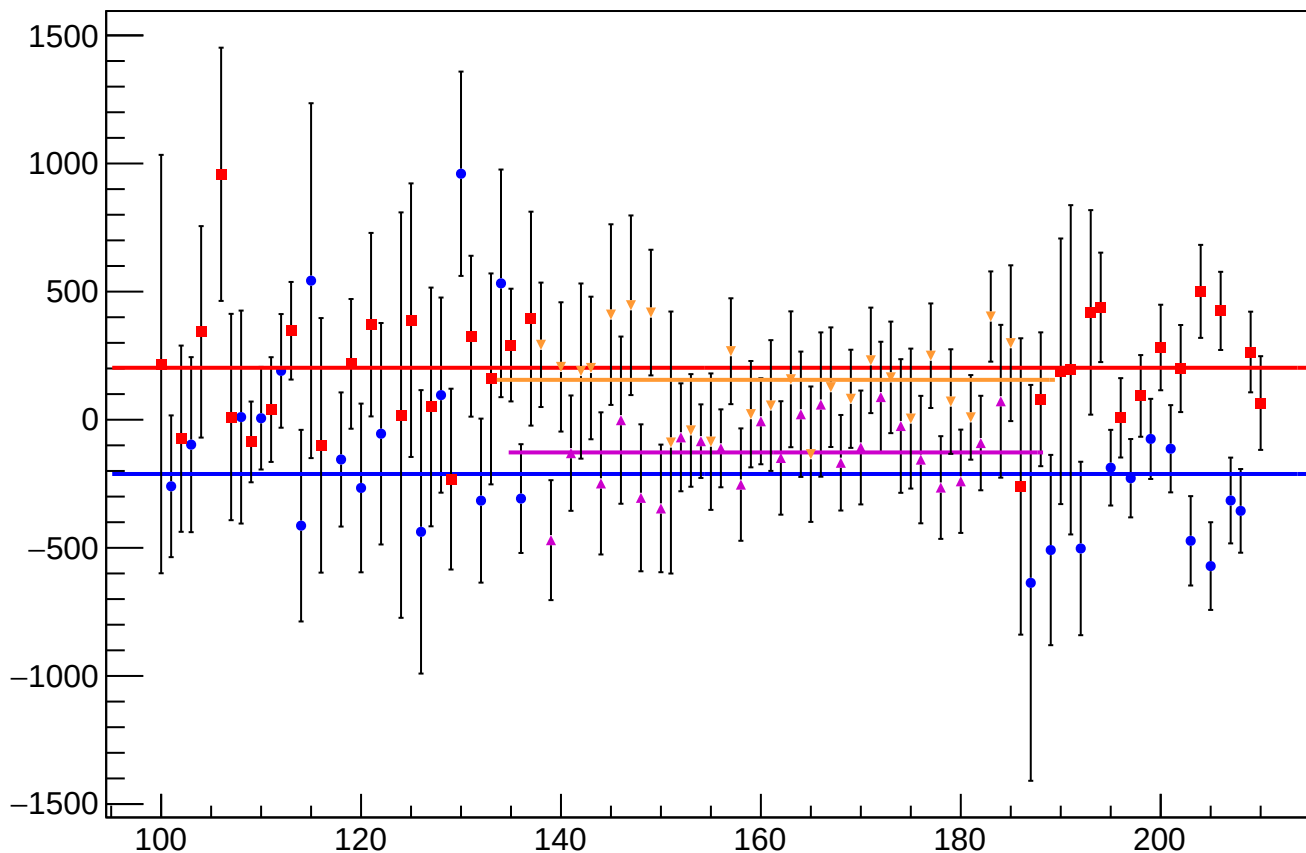
Left In: 185.716 $\pm$ 0.032 χ^2 /NDF:1489487.2/22

+ sign 188.423 $\pm$ 0.023 χ^2 /NDF: 4204675.3/51

All: 183.801 $\pm$ 0.016 χ^2 /NDF: 8594738.0/107

- sign 179.682 $\pm$ 0.022 χ^2 /NDF: 4316280.8/55

asym_bcm_dg_ds_mean vs Slug



Right In: -211.764 ± 45.337 χ^2/NDF : 29.8/26

Left Out: 155.646 ± 47.263 χ^2/NDF : 10.7/24

Right Out: 202.729 ± 42.568 χ^2/NDF : 21.0/32

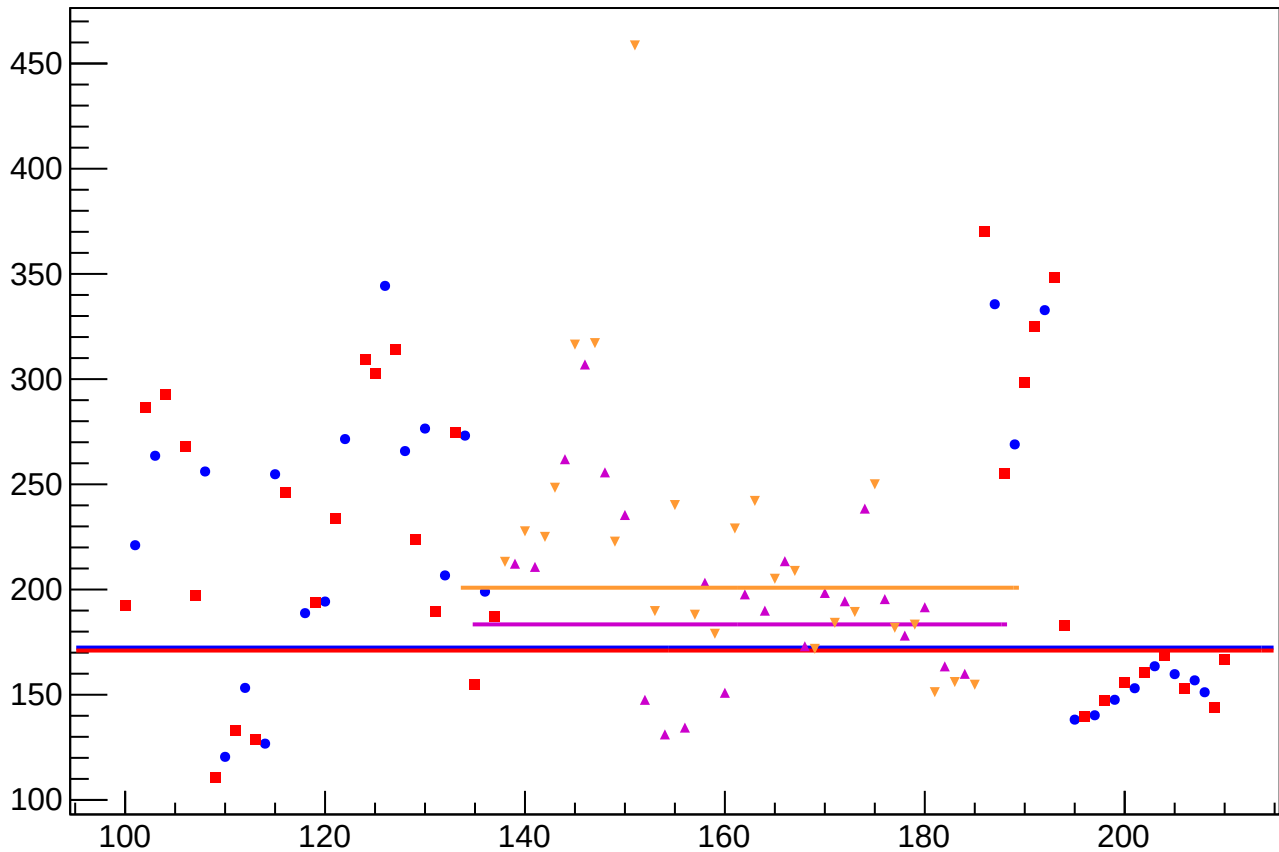
Left In: -127.660 ± 44.698 χ^2/NDF : 8.0/22

+ sign -35.698 ± 32.718 χ^2/NDF : 71.9/51

All: 7.365 ± 22.436 χ^2/NDF : 132.8/107

- sign 45.592 ± 30.826 χ^2/NDF : 57.6/55

asym_bcm_dg_ds_rms vs Slug



Right In: 172.415 $\pm$ 0.032 χ^2 /NDF: 2234803.2/26

Left Out: 200.865 $\pm$ 0.033 χ^2 /NDF:1727404.3/24

Right Out: 171.002 $\pm$ 0.030 χ^2 /NDF: 2926560.0/32

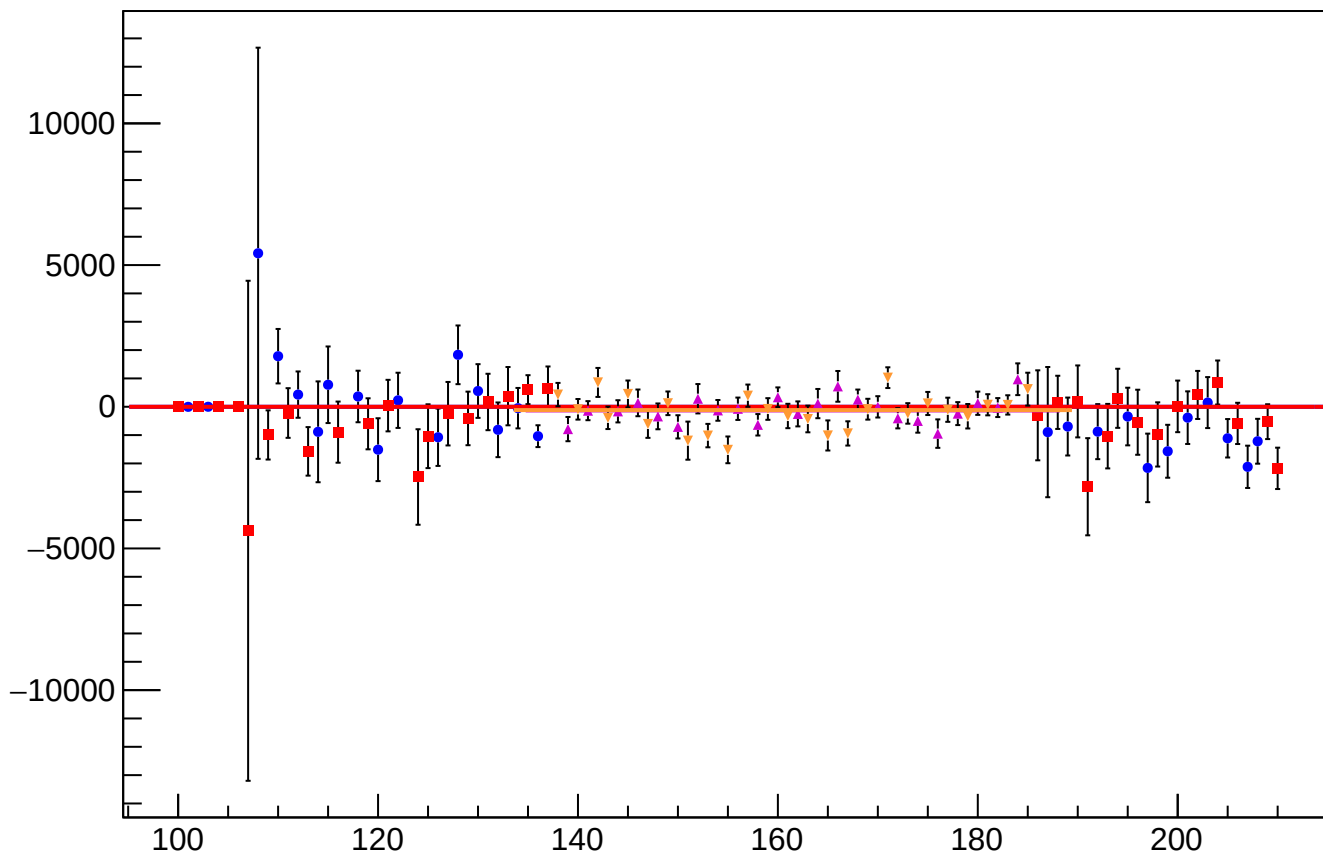
Left In: 183.433 $\pm$ 0.032 χ^2 /NDF:1530678.8/22

+ sign 186.048 $\pm$ 0.023 χ^2 /NDF: 4339607.9/51

All: 181.210 $\pm$ 0.016 χ^2 /NDF: 8960531.1/107

- sign 176.915 $\pm$ 0.022 χ^2 /NDF: 4538355.5/55

asym_cav4bQ_mean vs Slug



Right In: -1.304 ± 2.171 χ^2/NDF : 40.8/26

Left Out: -117.658 ± 84.207 χ^2/NDF : 46.4/24

Right Out: -1.406 ± 2.022 χ^2/NDF : 33.2/32

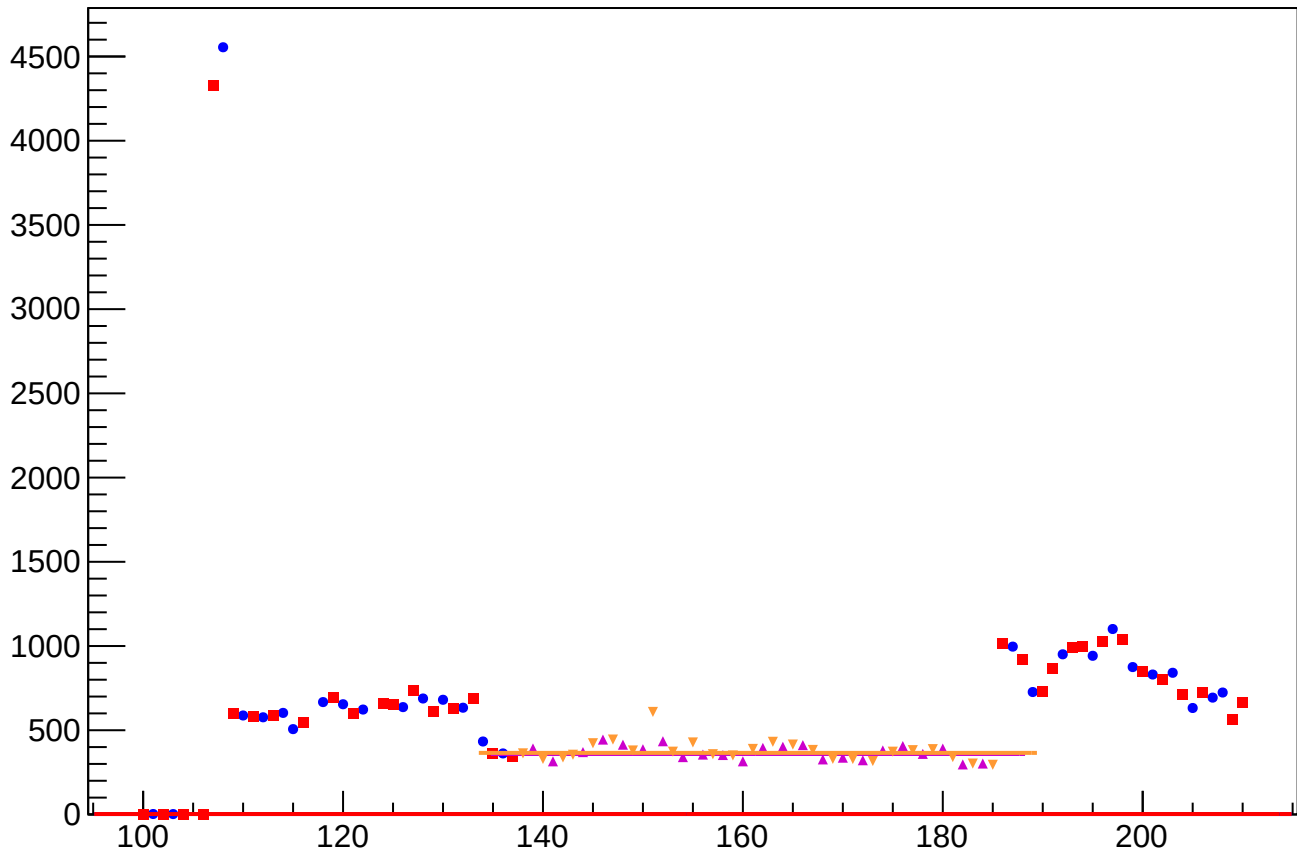
Left In: -129.738 ± 85.075 χ^2/NDF : 21.7/22

+ sign -1.381 ± 2.170 χ^2/NDF : 89.0/51

All: -1.433 ± 1.479 χ^2/NDF : 146.2/107

- sign -1.479 ± 2.022 χ^2/NDF : 57.2/55

asym_cav4bQ_rms vs Slug



Right In: 2.525 $\pm$ 0.002 χ^2 /NDF: 28446416.1/26

Left Out: 365.603 $\pm$ 0.060 χ^2 /NDF: 668124.0/24

Right Out: 2.515 $\pm$ 0.001 χ^2 /NDF: 32447695.6/32

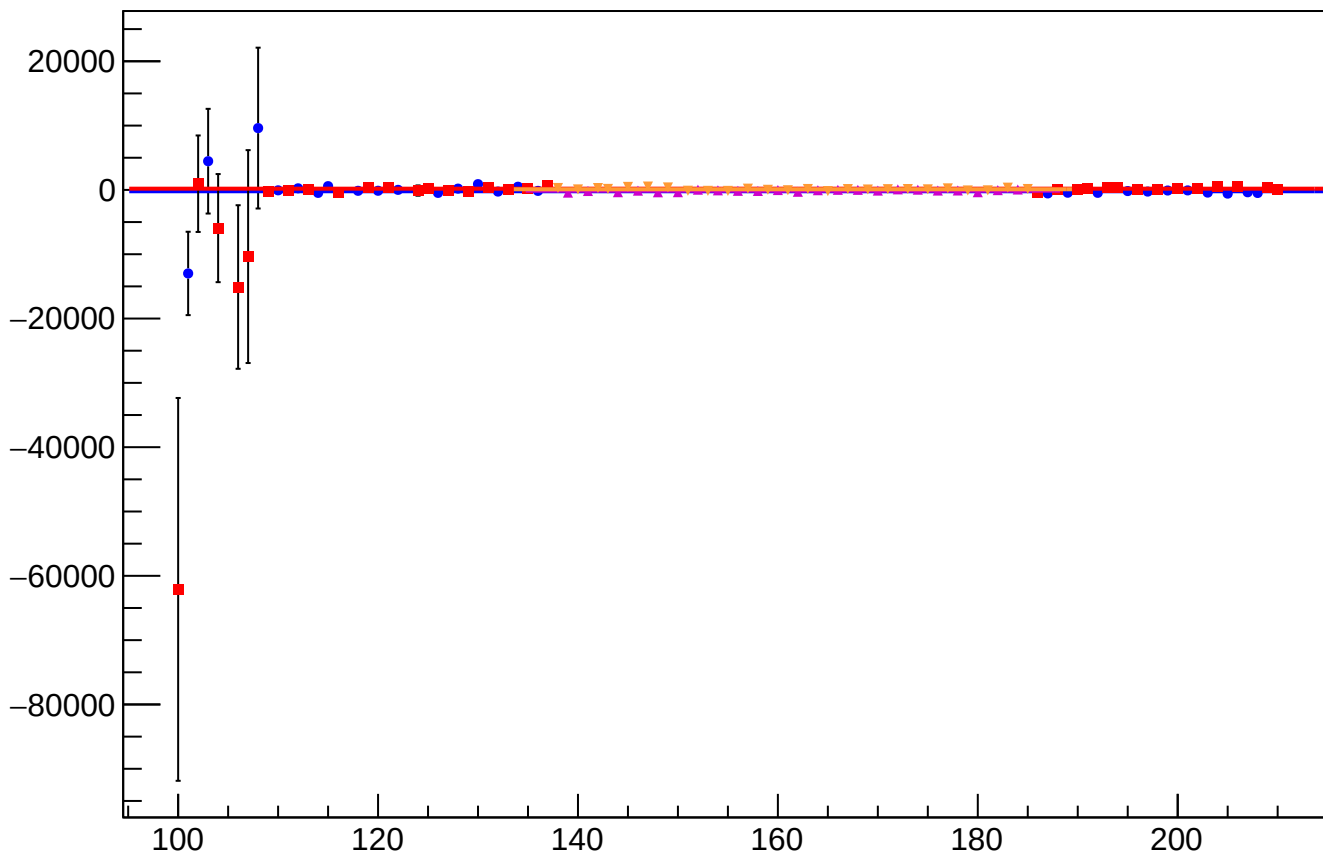
Left In: 359.024 $\pm$ 0.060 χ^2 /NDF: 446263.1/22

+ sign 2.766 $\pm$ 0.002 χ^2 /NDF: 66271411.8/51

All: 2.739 $\pm$ 0.001 χ^2 /NDF: 134267453.4/107

- sign 2.716 $\pm$ 0.001 χ^2 /NDF: 67995464.8/55

asym_cav4cQ_mean vs Slug



Right In: -210.088+/-49.538 χ^2/NDF : 33.2/26

Left Out: 99.601+/-48.250 χ^2/NDF : 12.7/24

Right Out: 191.326+/-46.888 χ^2/NDF : 25.8/32

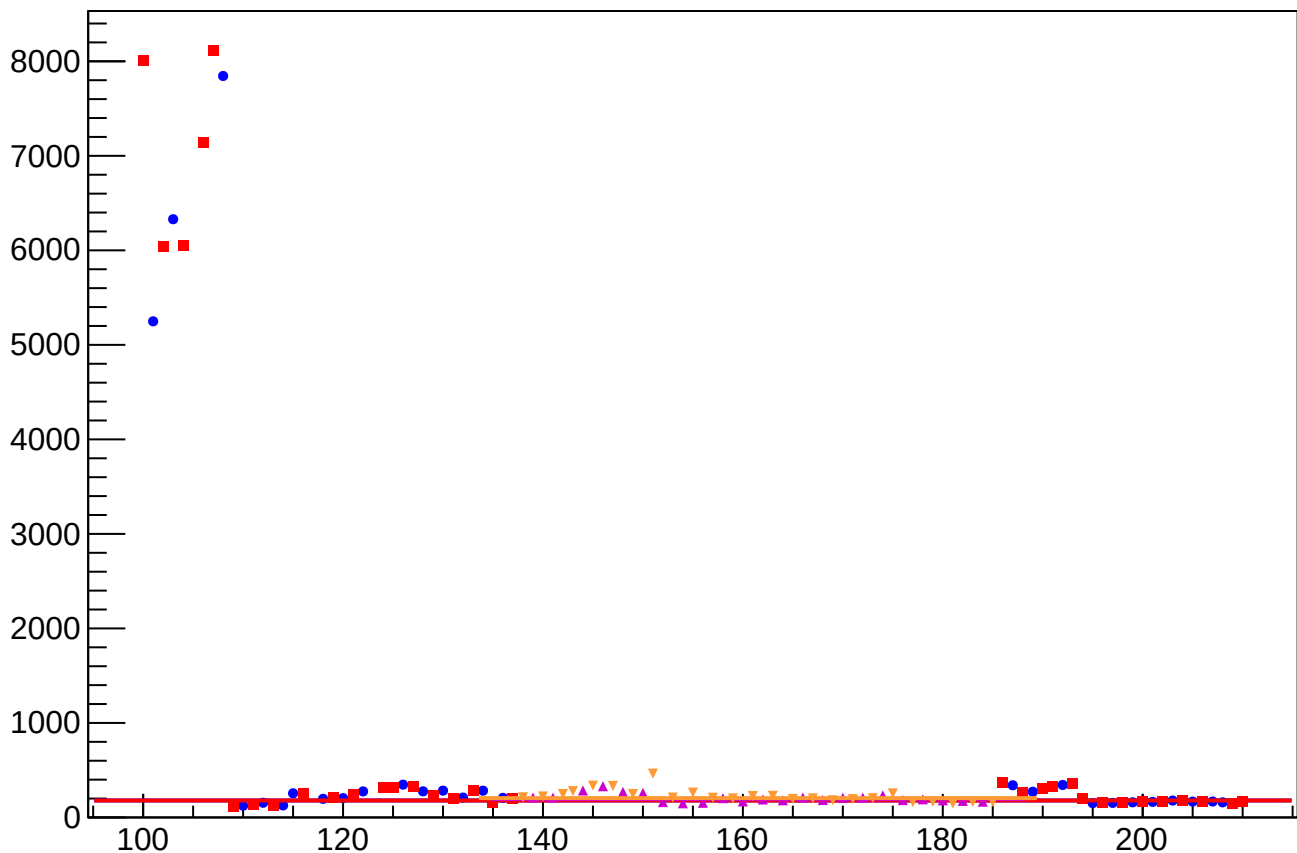
Left In: -119.345+/-46.957 χ^2/NDF : 9.3/22

+ sign -51.166+/-34.564 χ^2/NDF : 66.0/51

All: -5.687+/-23.936 χ^2/NDF : 126.2/107

- sign 36.219+/-33.179 χ^2/NDF : 57.0/55

asym_cav4cQ_rms vs Slug



Right In: 179.882 $\pm$ 0.035 χ^2 /NDF: 4876133.8/26

Left Out: 204.581 $\pm$ 0.034 χ^2 /NDF:1975114.7/24

Right Out: 179.613 $\pm$ 0.033 χ^2 /NDF: 5596331.1/32

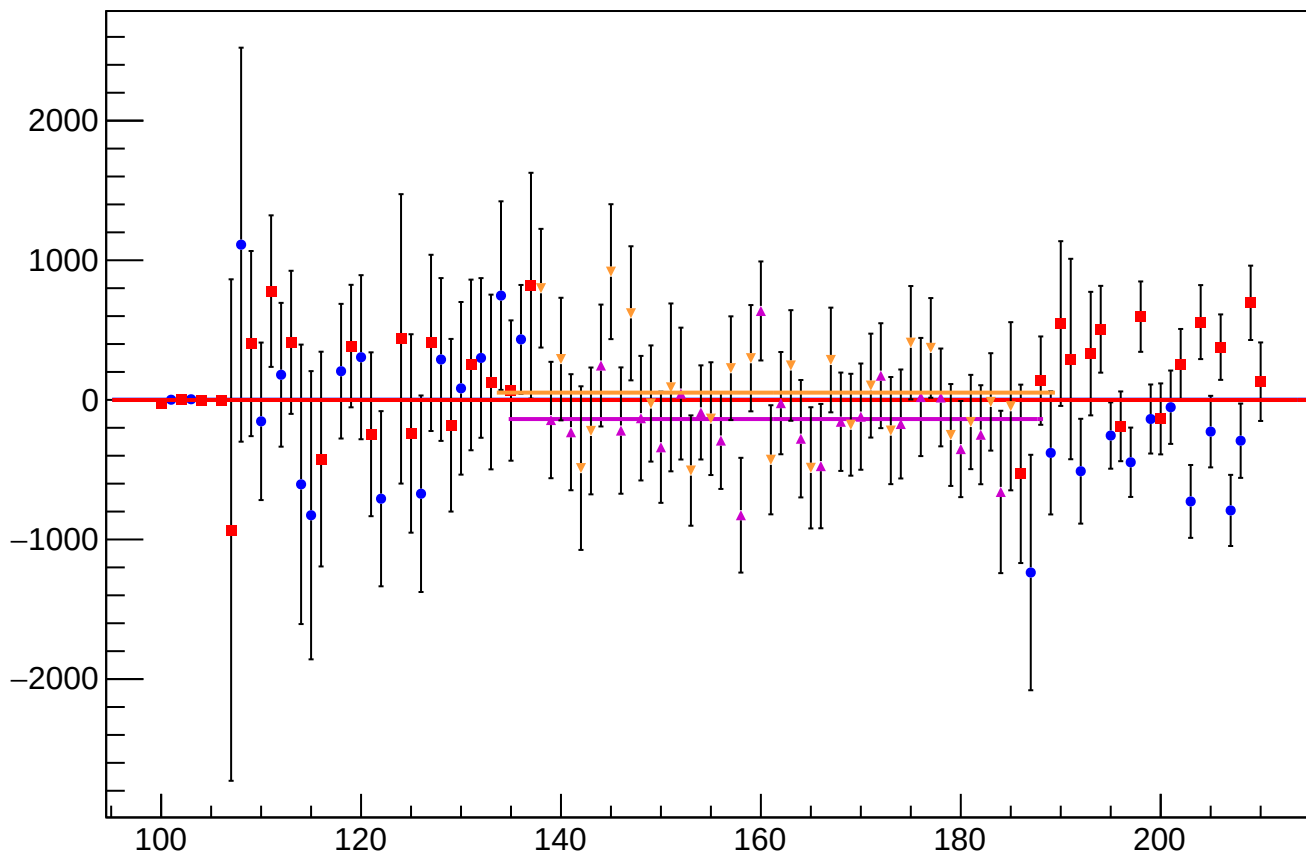
Left In: 193.895 $\pm$ 0.033 χ^2 /NDF:1191589.3/22

+ sign 192.557 $\pm$ 0.024 χ^2 /NDF: 7106378.2/51

All: 189.531 $\pm$ 0.017 χ^2 /NDF: 14016397.4/10

- sign 186.743 $\pm$ 0.023 χ^2 /NDF: 6880572.4/55

asym_cav4dQ_mean vs Slug



Right In: 1.310 ± 1.660 χ^2/NDF : 36.9/26

Left Out: 51.829 ± 81.555 χ^2/NDF : 19.4/24

Right Out: -0.992 ± 1.528 χ^2/NDF : 35.8/32

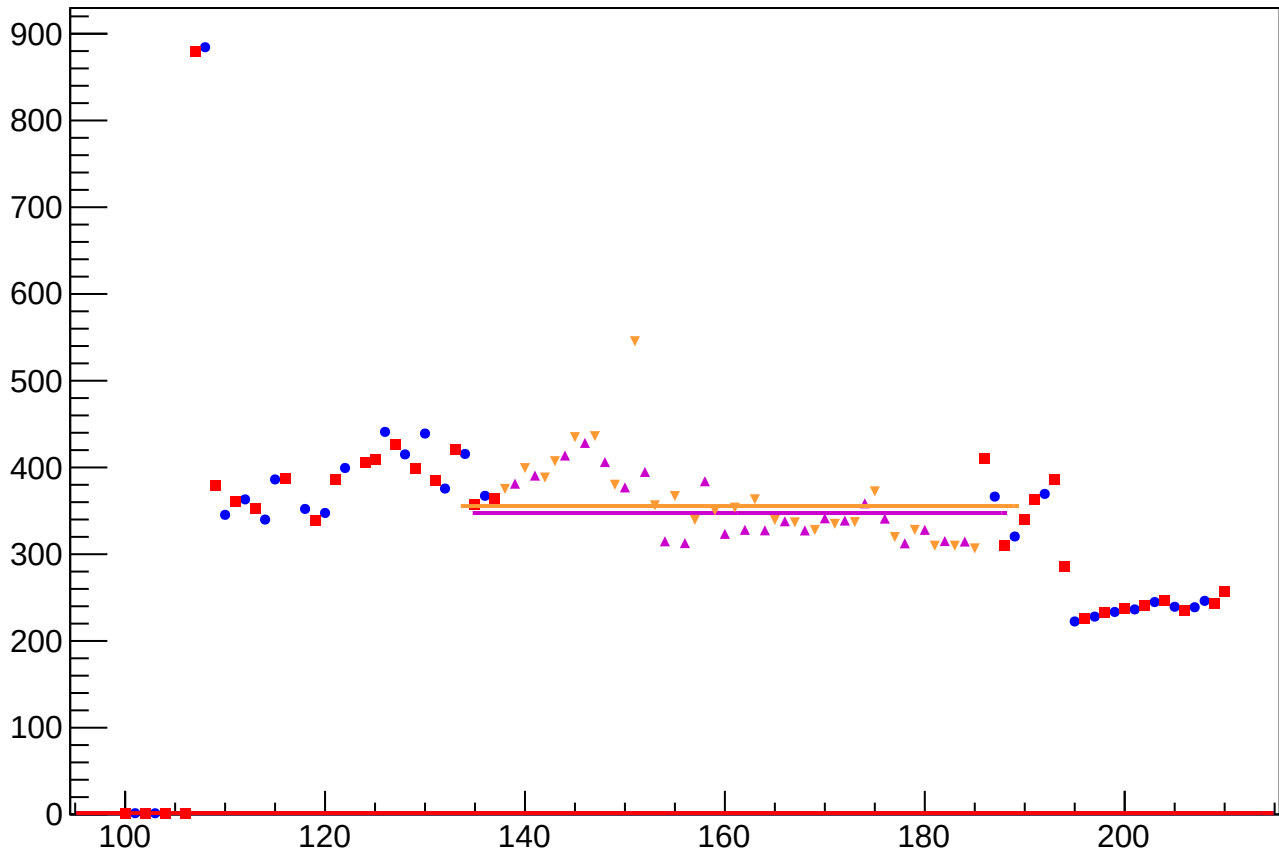
Left In: -137.399 ± 82.111 χ^2/NDF : 12.2/22

+ sign 1.331 ± 1.660 χ^2/NDF : 56.8/51

All: 0.048 ± 1.124 χ^2/NDF : 108.6/107

- sign -1.039 ± 1.527 χ^2/NDF : 50.8/55

asym_cav4dQ_rms vs Slug



Right In: 1.563+/-0.001 χ^2/NDF : 28718928.8/26

Left Out: 355.535+/-0.058 χ^2/NDF : 528878.5/24

Right Out: 1.560+/-0.001 χ^2/NDF : 32140127.0/32

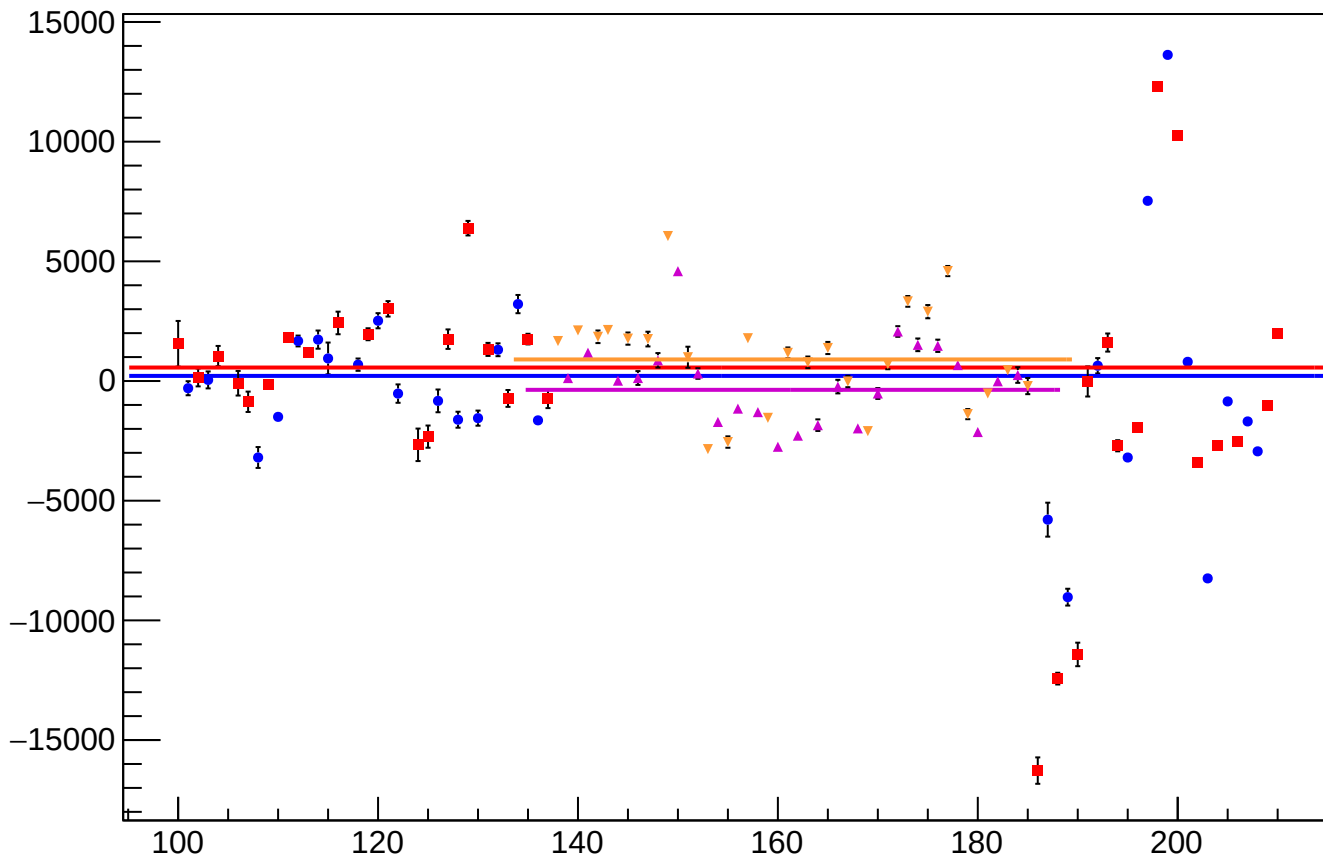
Left In: 347.484+/-0.058 χ^2/NDF : 344530.3/22

+ sign 1.710+/-0.001 χ^2/NDF : 66908338.9/51

All: 1.693+/-0.001 χ^2/NDF : 134877980.5/107

- sign 1.679+/-0.001 χ^2/NDF : 67969270.1/55

asym_bcm0l02_mean vs Slug



Right In: 213.813 $\pm$ 47.218 χ^2 /NDF: 11834.2/26

Left Out: 901.476 $\pm$ 44.481 χ^2 /NDF:2411.0/24

Right Out: 563.567 $\pm$ 44.224 χ^2 /NDF: 13866.6/32

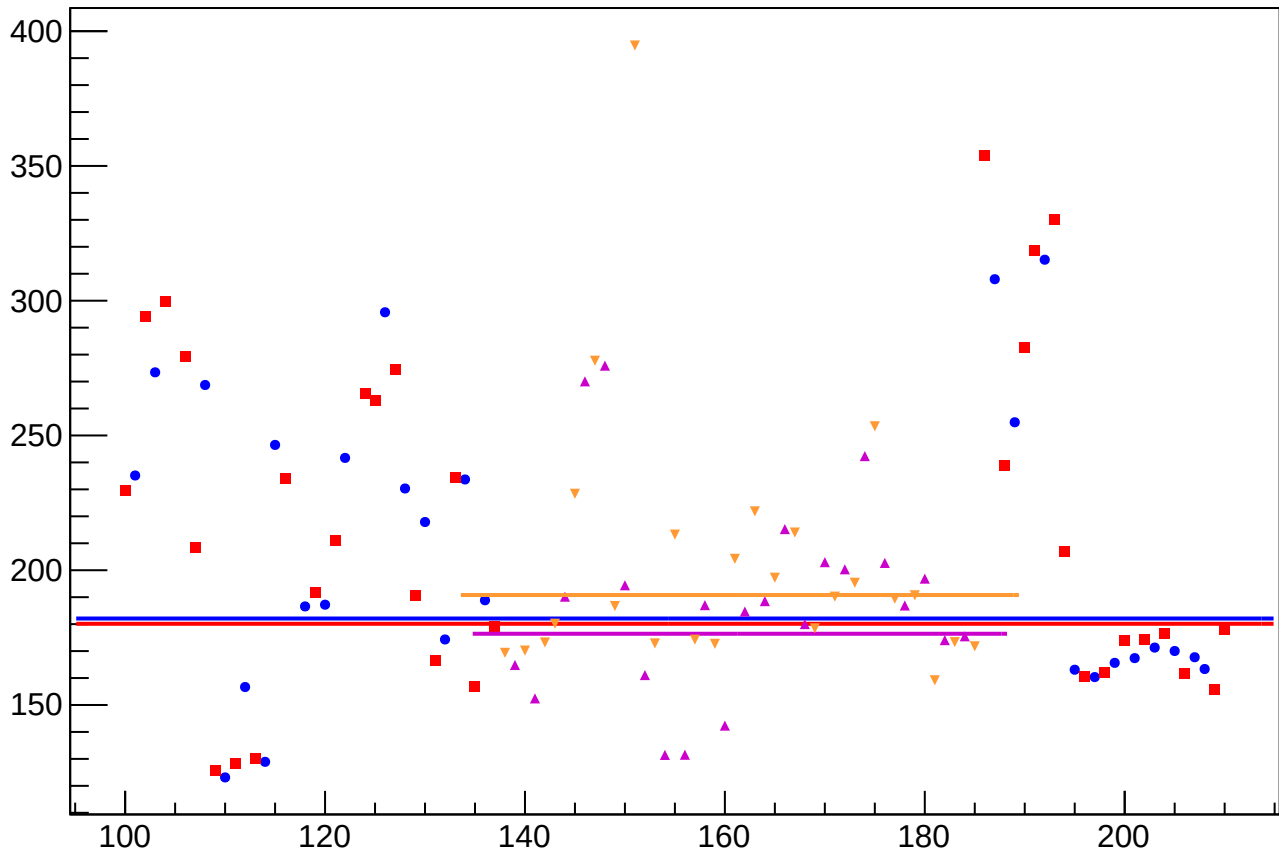
Left In: -368.252 $\pm$ 42.700 χ^2 /NDF:1593.0/22

+ sign 578.154 $\pm$ 32.377 χ^2 /NDF: 14357.5/51

All: 316.680 $\pm$ 22.284 χ^2 /NDF: 30170.8/107

- sign 81.322 $\pm$ 30.718 χ^2 /NDF: 15689.3/55

asym_bcm0l02_rms vs Slug



Right In: 182.084 $\pm$ 0.033 χ^2 /NDF: 1429059.6/26

Left Out: 190.801 $\pm$ 0.031 χ^2 /NDF:1019598.1/24

Right Out: 180.127 $\pm$ 0.031 χ^2 /NDF: 2185788.1/32

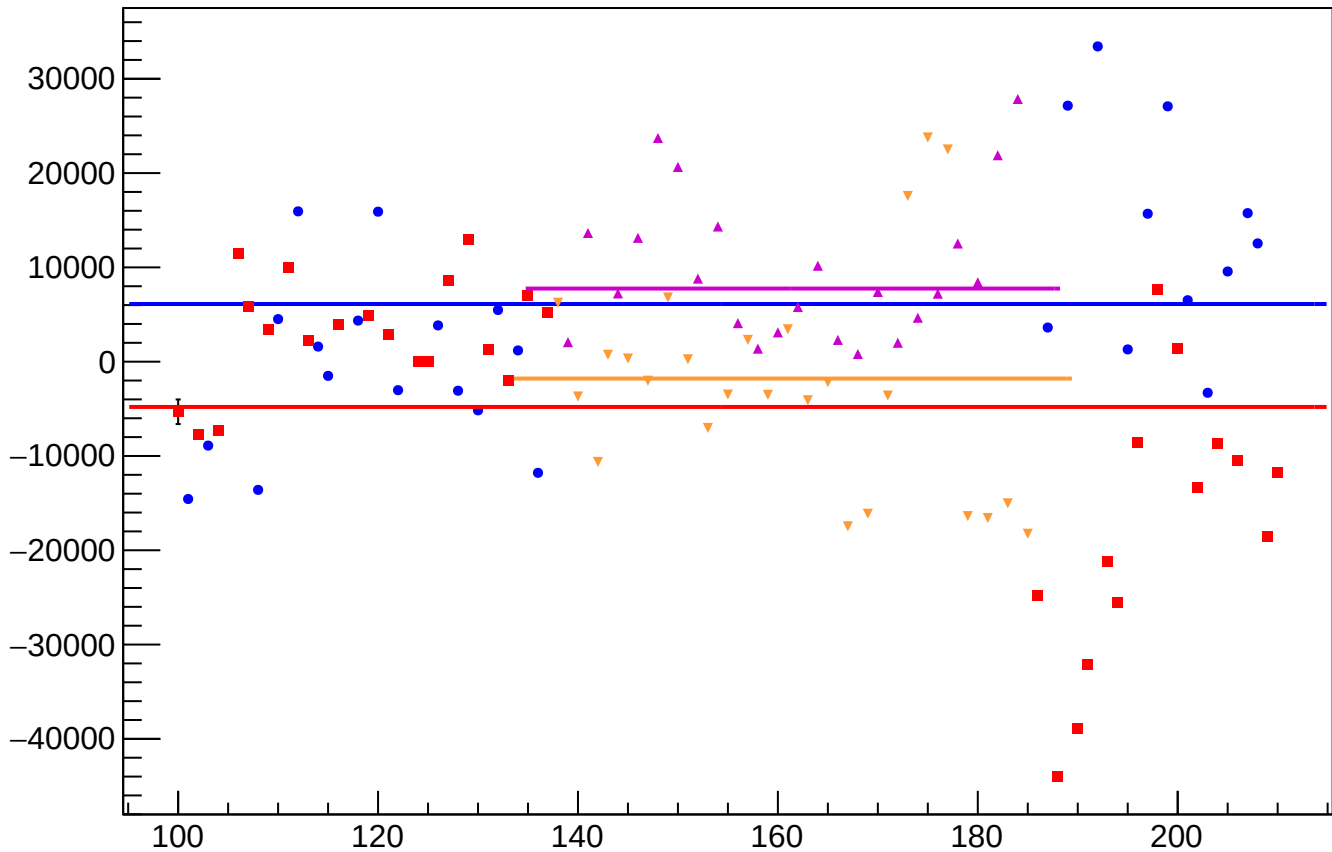
Left In: 176.431 $\pm$ 0.030 χ^2 /NDF:1257661.0/22

+ sign 186.702 $\pm$ 0.023 χ^2 /NDF: 2484773.0/51

All: 182.235 $\pm$ 0.016 χ^2 /NDF: 6007792.4/107

- sign 178.214 $\pm$ 0.022 χ^2 /NDF: 3450676.0/55

asym_bpm0i02WS_mean vs Slug



Right In: 6114.570+/-40.982 χ^2/NDF : 93550.3/26

Left Out: -1790.289+/-40.910 χ^2/NDF : 65745.9/24

+ sign 2155.154+/-28.953 χ^2/NDF : 177931.2/51

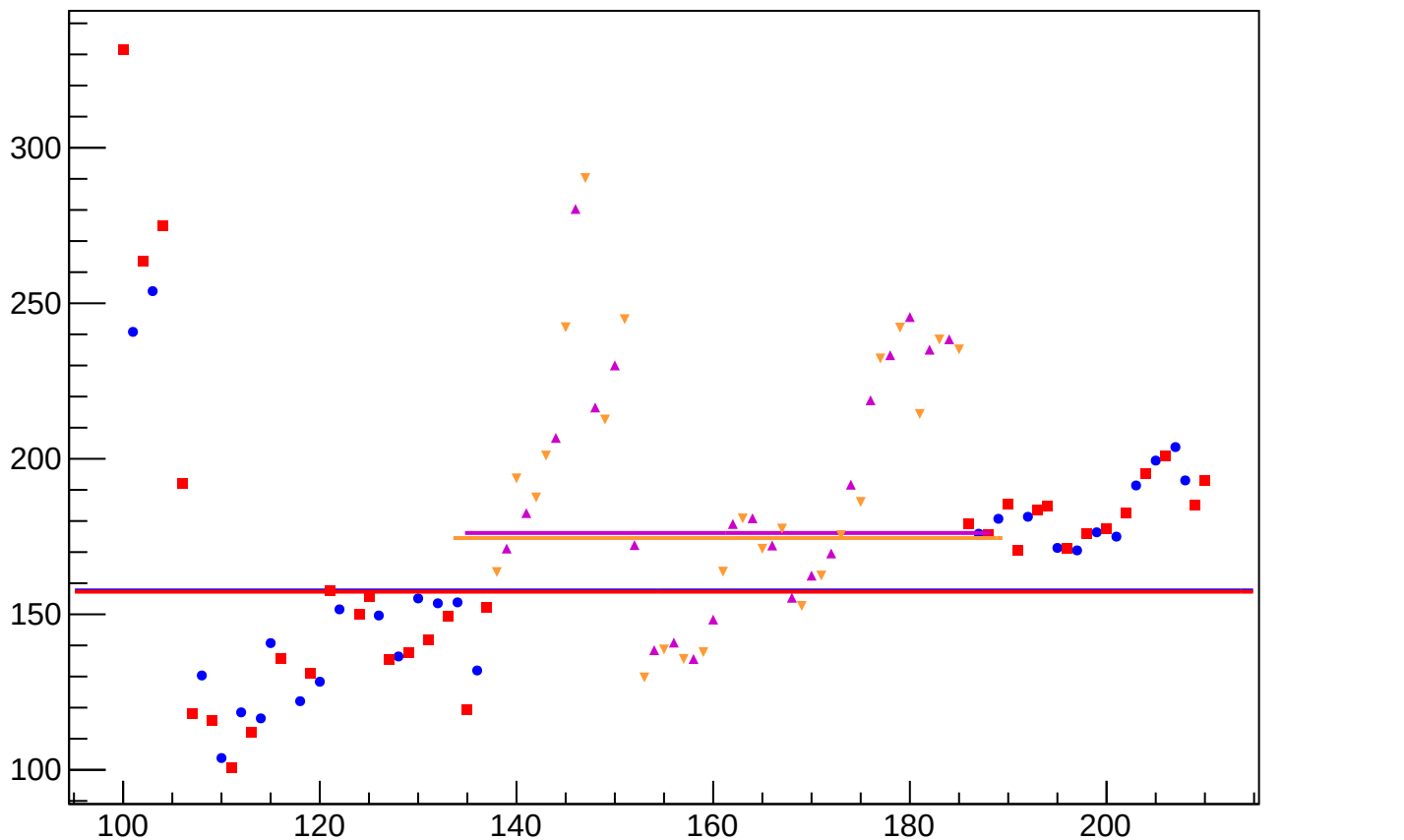
Right Out: -4800.326+/-38.239 χ^2/NDF : 143381.3/32

All: 1468.673+/-20.292 χ^2/NDF : 393831.5/10

Left In: 7754.468+/-42.571 χ^2/NDF : 23278.0/22

- sign 805.955+/-28.448 χ^2/NDF : 214795.4/55

asym_bpm0i02WS_rms vs Slug



Right In: 157.667 $\pm$ 0.029 χ^2 /NDF: 1290978.0/26

Left Out: 174.520 $\pm$ 0.029 χ^2 /NDF: 1659469.6/24

Right Out: 157.280 $\pm$ 0.027 χ^2 /NDF: 1712288.9/32

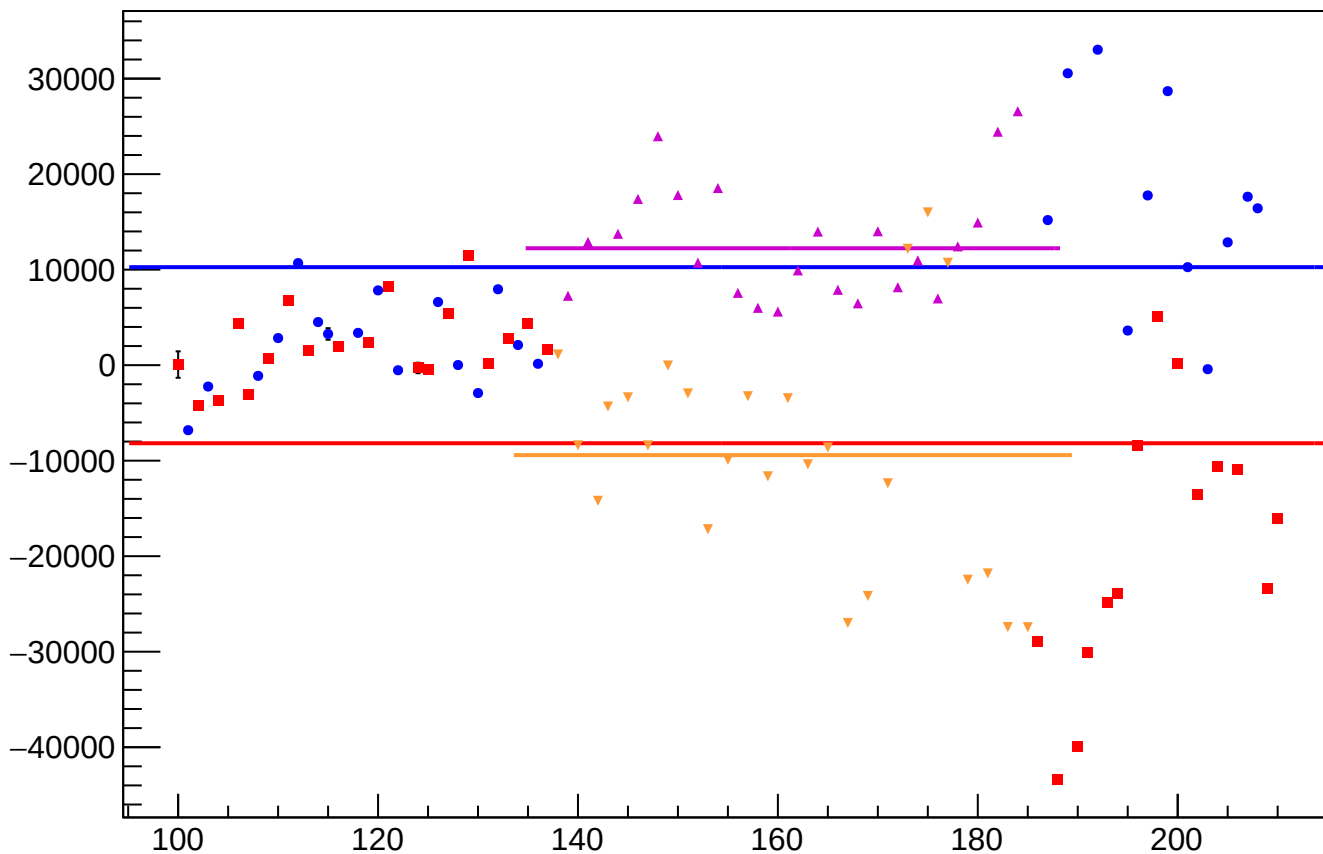
Left In: 176.155 $\pm$ 0.030 χ^2 /NDF: 1367059.2/22

+ sign 166.109 $\pm$ 0.020 χ^2 /NDF: 3119857.9/51

All: 165.905 $\pm$ 0.014 χ^2 /NDF: 6416985.1/107

- sign 165.708 $\pm$ 0.020 χ^2 /NDF: 3296932.6/55

asym_bpm0i02aWS_mean vs Slug



Right In: 10259.986 $\pm$ 45.655 χ^2 /NDF: 53859.4/26

Left Out: -9420.181 $\pm$ 45.698 χ^2 /NDF:64719.0/24

Right Out: -8175.200 $\pm$ 42.178 χ^2 /NDF: 114621.7/32

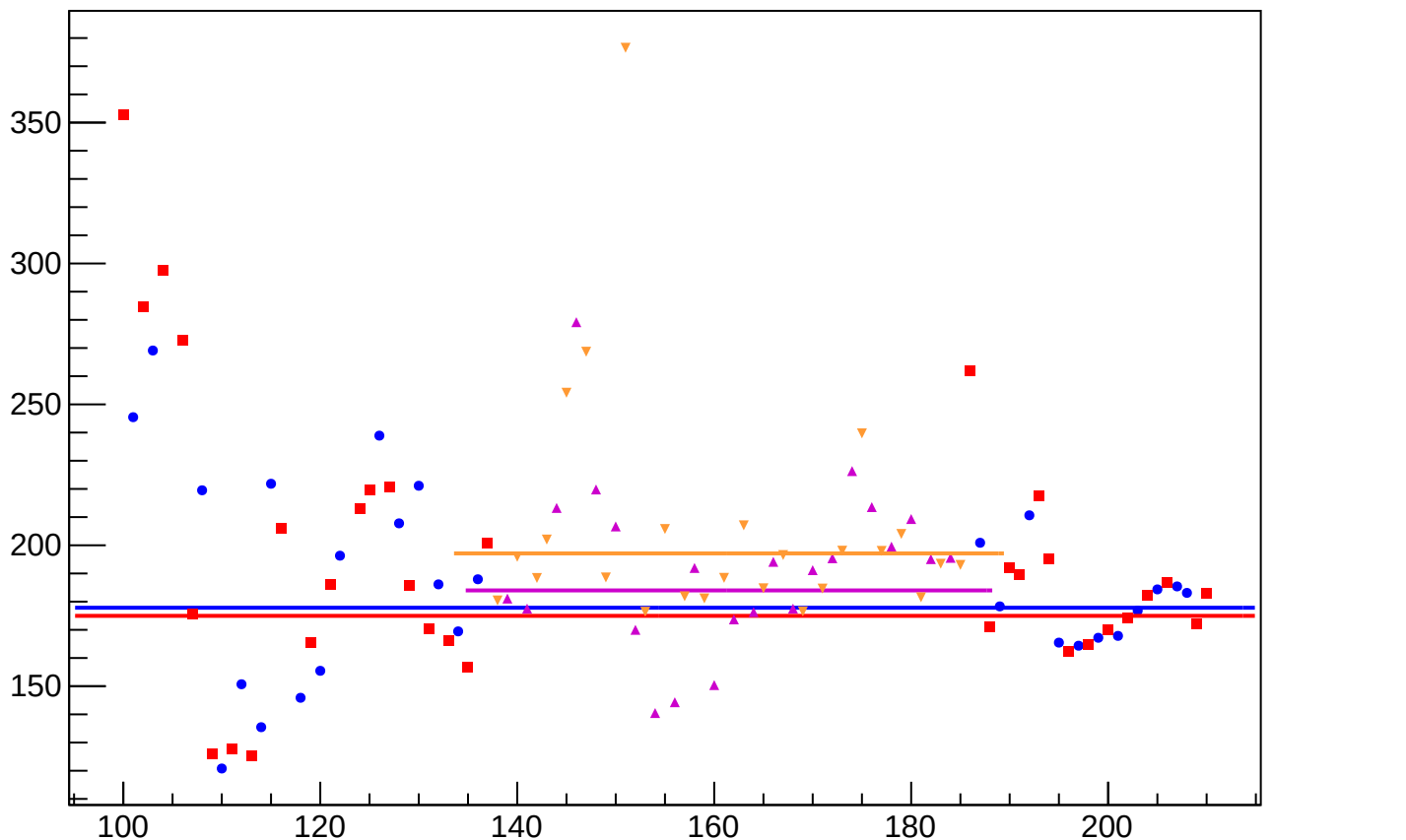
Left In: 12238.678 $\pm$ 44.195 χ^2 /NDF:16015.8/22

+ sign 429.135 $\pm$ 32.298 χ^2 /NDF: 211398.6/51

All: 1024.215 $\pm$ 22.180 χ^2 /NDF: 454335.6/10

- sign 1555.315 $\pm$ 30.513 χ^2 /NDF: 242294.6/55

asym_bpm0i02aWS_rms vs Slug



Right In: 177.837+/-0.032 χ^2/NDF : 767214.0/26

Left Out: 197.122+/-0.032 χ^2/NDF : 732529.8/24

Right Out: 174.958+/-0.030 χ^2/NDF : 1209840.5/32

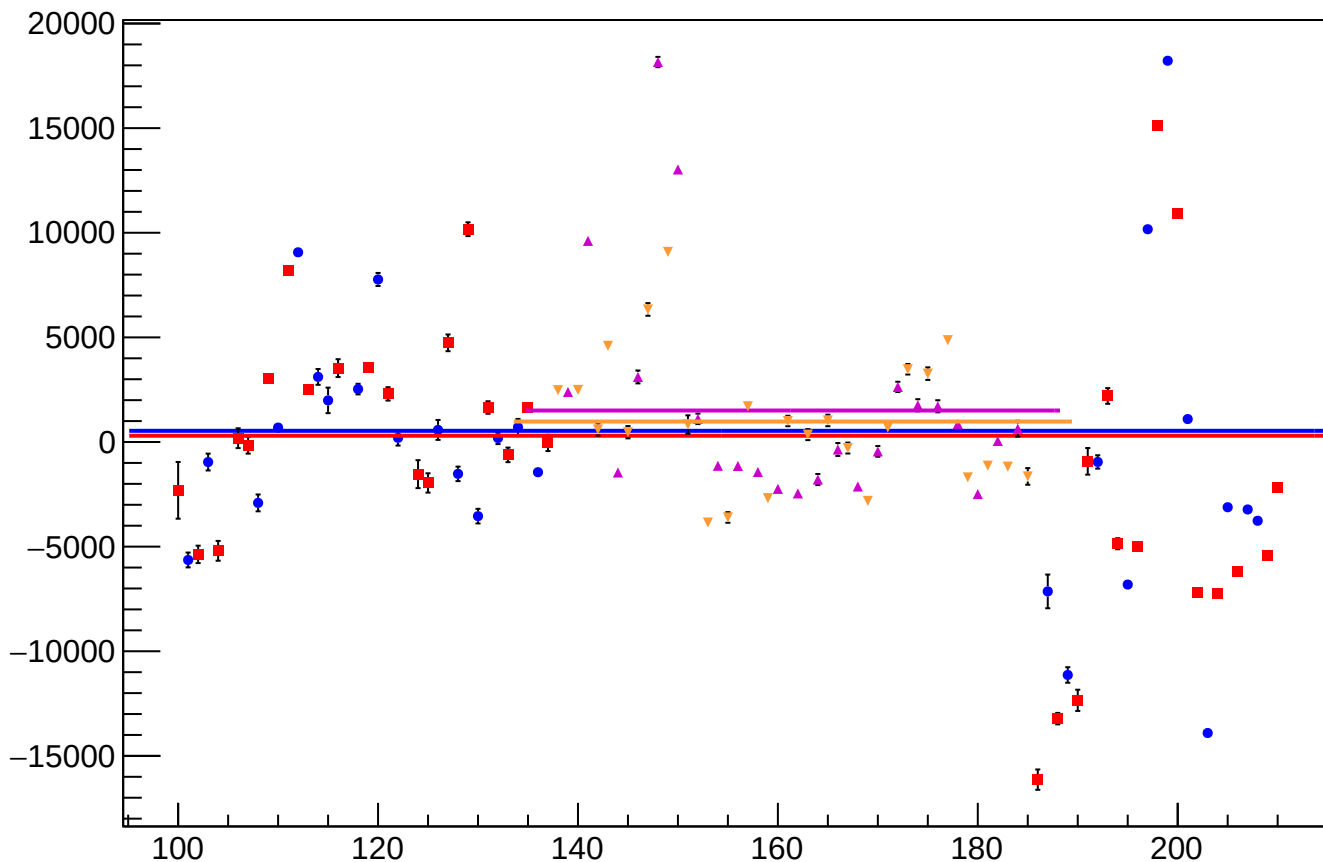
Left In: 183.985+/-0.031 χ^2/NDF : 829778.1/22

+ sign 187.471+/-0.023 χ^2/NDF : 1678003.7/51

All: 183.133+/-0.016 χ^2/NDF : 3829568.9/107

- sign 179.261+/-0.022 χ^2/NDF : 2083286.4/55

asym_bpm0i05WS_mean vs Slug



Right In: 534.773+/-51.402 χ^2/NDF : 21456.6/26

Left Out: 978.429+/-49.607 χ^2/NDF : 4322.9/24

Right Out: 300.524+/-47.469 χ^2/NDF : 21944.7/32

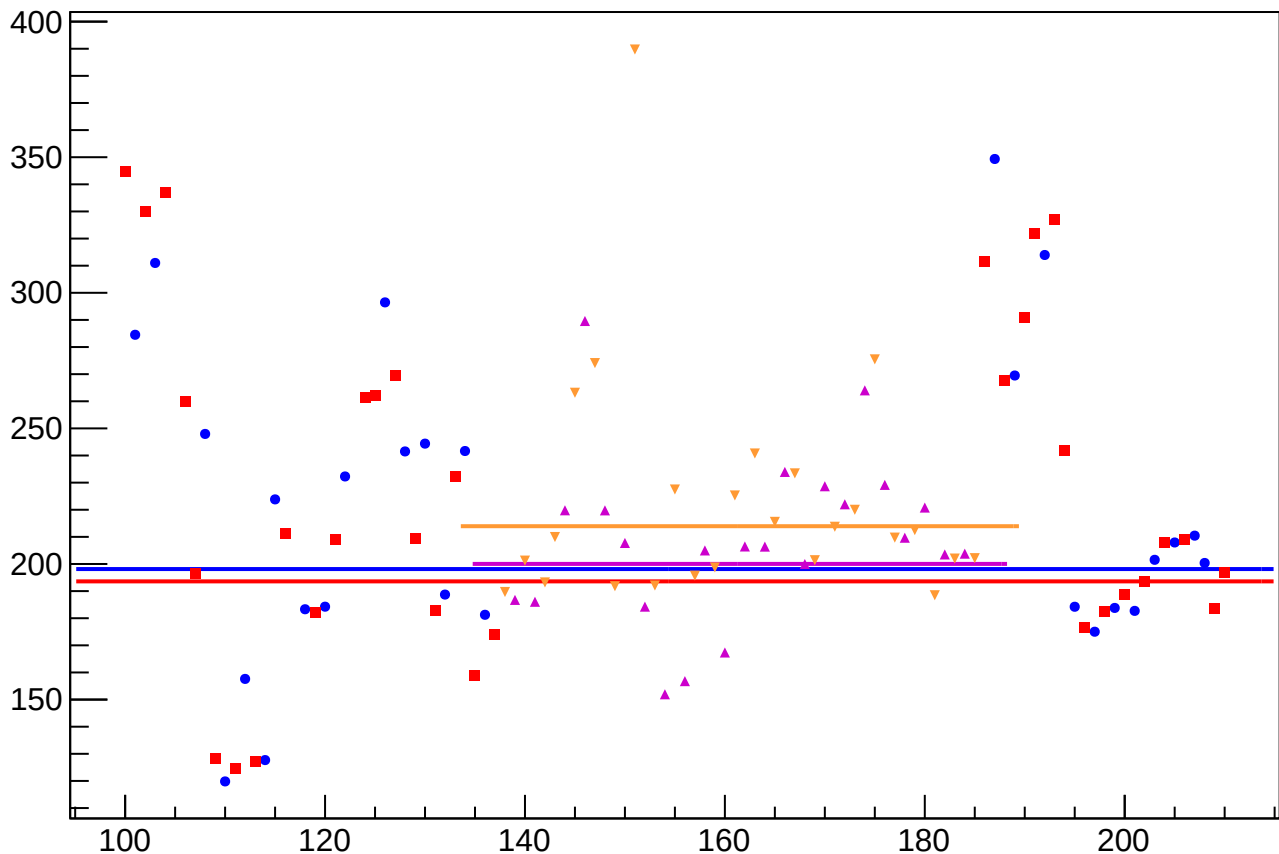
Left In: 1505.093+/-48.051 χ^2/NDF : 11480.6/22

+ sign 764.483+/-35.695 χ^2/NDF : 25818.1/51

All: 833.605+/-24.531 χ^2/NDF : 59568.5/107

- sign 895.470+/-33.769 χ^2/NDF : 33743.3/55

asym_bpm0i05WS_rms vs Slug



Right In: 198.132 $\pm$ 0.036 χ^2 /NDF: 1451723.3/26

Left Out: 213.931 $\pm$ 0.035 χ^2 /NDF: 733638.6/24

Right Out: 193.586 $\pm$ 0.034 χ^2 /NDF: 2259810.6/32

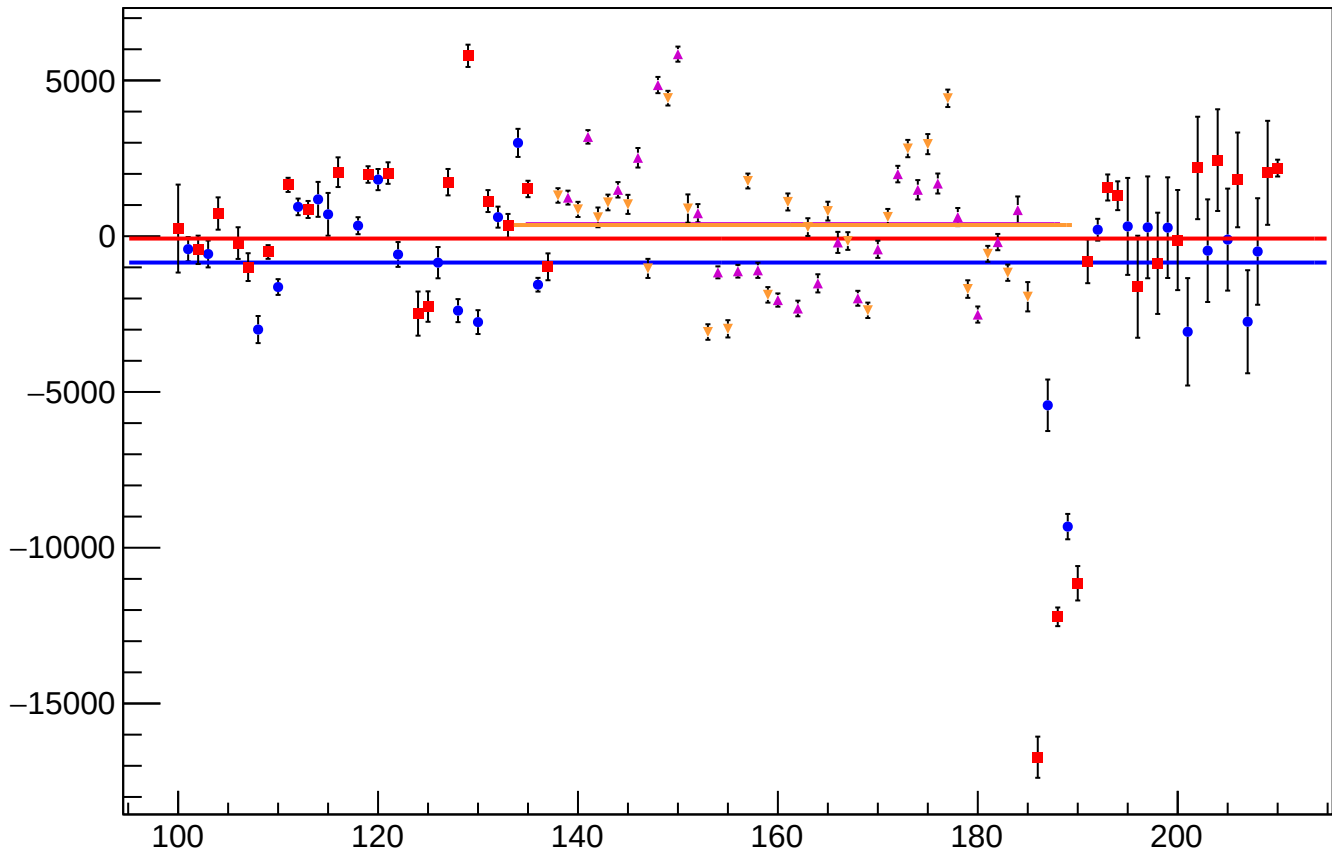
Left In: 200.031 $\pm$ 0.034 χ^2 /NDF: 785525.4/22

+ sign 206.312 $\pm$ 0.025 χ^2 /NDF: 2283197.3/51

All: 201.276 $\pm$ 0.017 χ^2 /NDF: 5422178.2/107

- sign 196.769 $\pm$ 0.024 χ^2 /NDF: 3063544.5/55

asym_bpm0i07WS_mean vs Slug



Right In: -845.946 ± 81.195 χ^2/NDF : 801.1/26

Left Out: 358.680 ± 54.992 χ^2/NDF : 1418.9/24

Right Out: -76.020 ± 71.042 χ^2/NDF : 3353.0/32

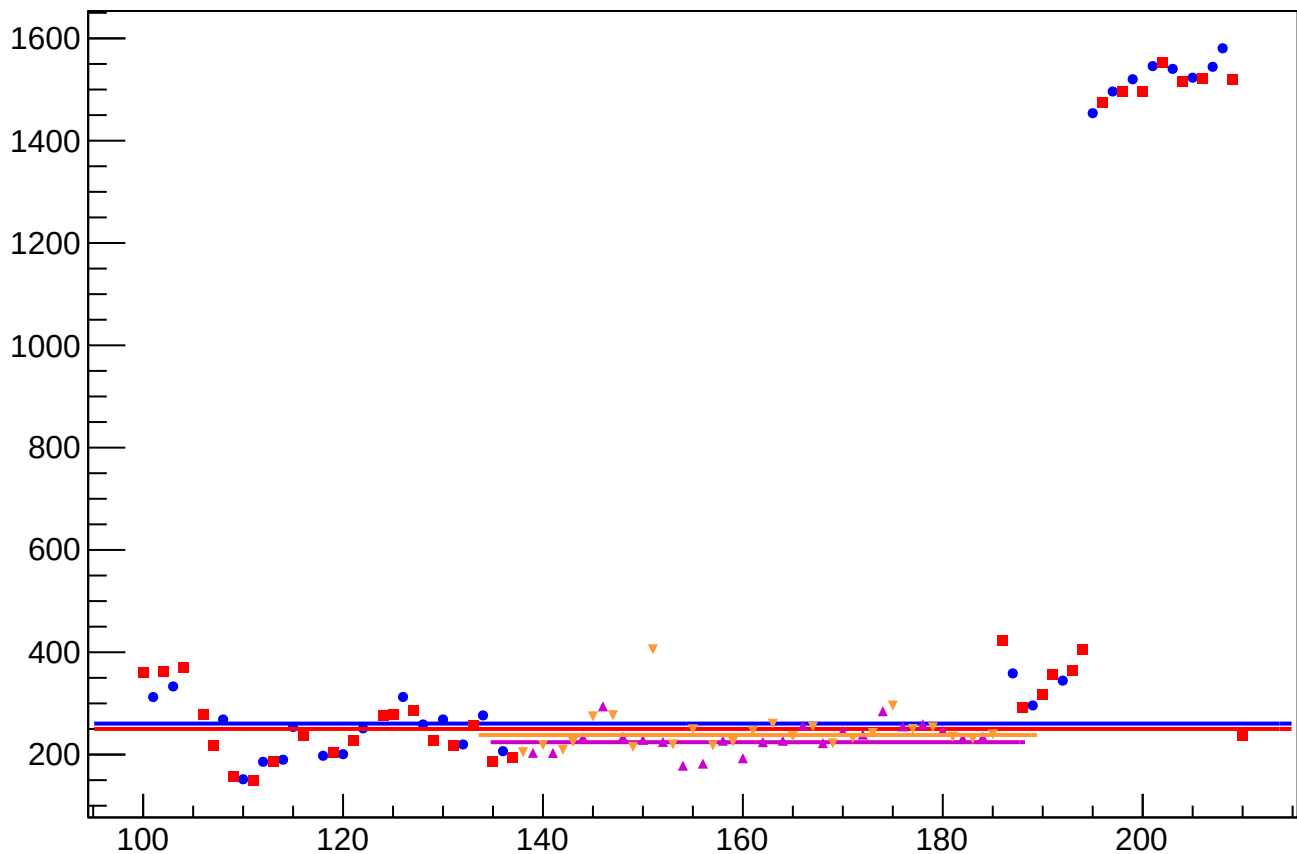
Left In: 386.941 ± 53.528 χ^2/NDF : 1804.2/22

+ sign -20.126 ± 45.532 χ^2/NDF : 2370.8/51

All: 107.113 ± 31.166 χ^2/NDF : 7569.8/107

- sign 219.287 ± 42.751 χ^2/NDF : 5184.3/55

asym_bpm0i07WS_rms vs Slug



Right In: 260.570 ± 0.057 χ^2/NDF : 10594035.2/26

Left Out: 238.199 ± 0.039 χ^2/NDF : 567935.3/24

Right Out: 250.091 ± 0.050 χ^2/NDF : 10529777.9/32

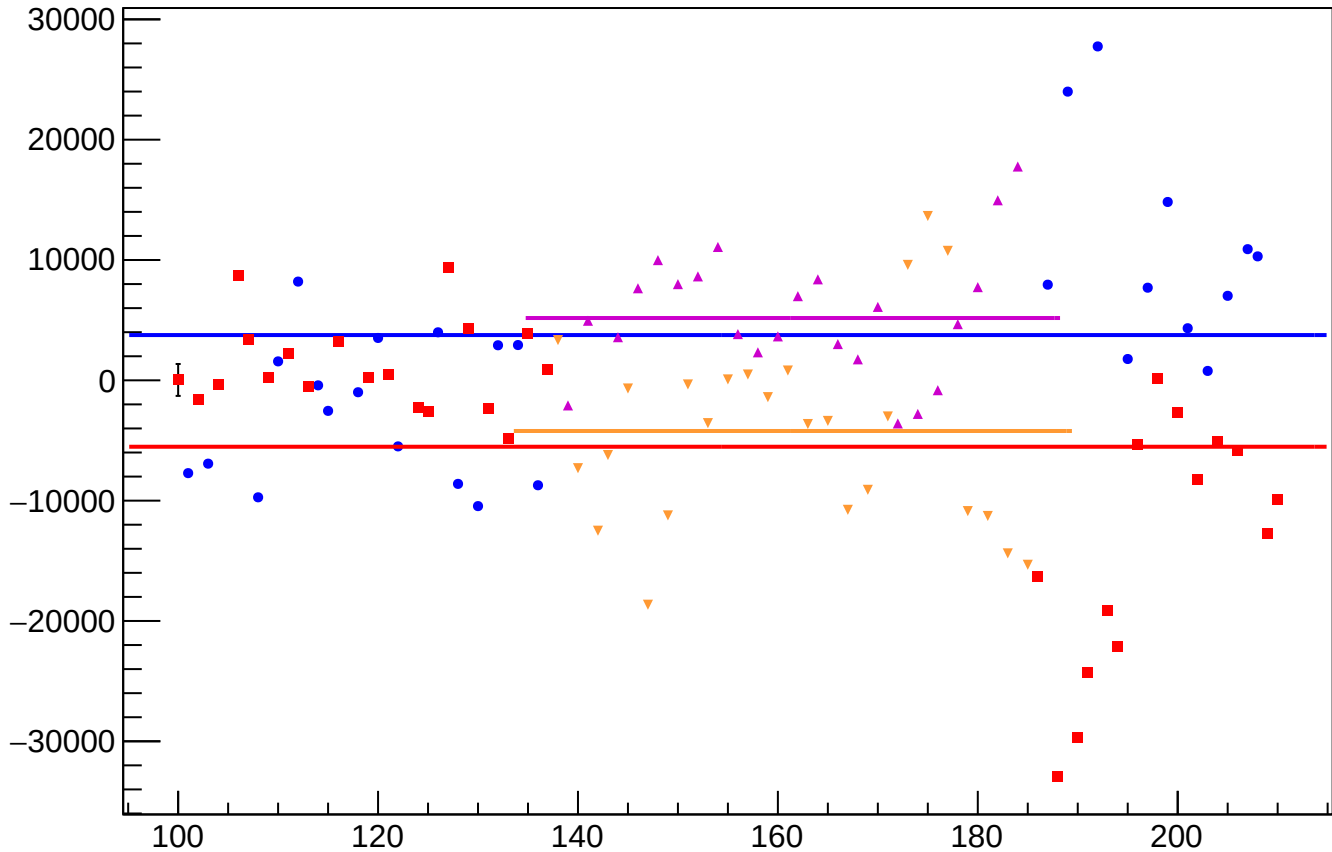
Left In: 224.212 ± 0.038 χ^2/NDF : 563231.1/22

+ sign 245.234 ± 0.032 χ^2/NDF : 11266051.4/51

All: 239.042 ± 0.022 χ^2/NDF : 22597942.6/10

- sign 233.584 ± 0.030 χ^2/NDF : 11262300.5/55

asym_bpm1i02WS_mean vs Slug



Right In: 3761.806+/-34.789 χ^2/NDF : 79372.0/26

Left Out: -4210.601+/-30.828 χ^2/NDF : 56802.7/24

+ sign -703.858+/-23.073 χ^2/NDF : 165591.5/51

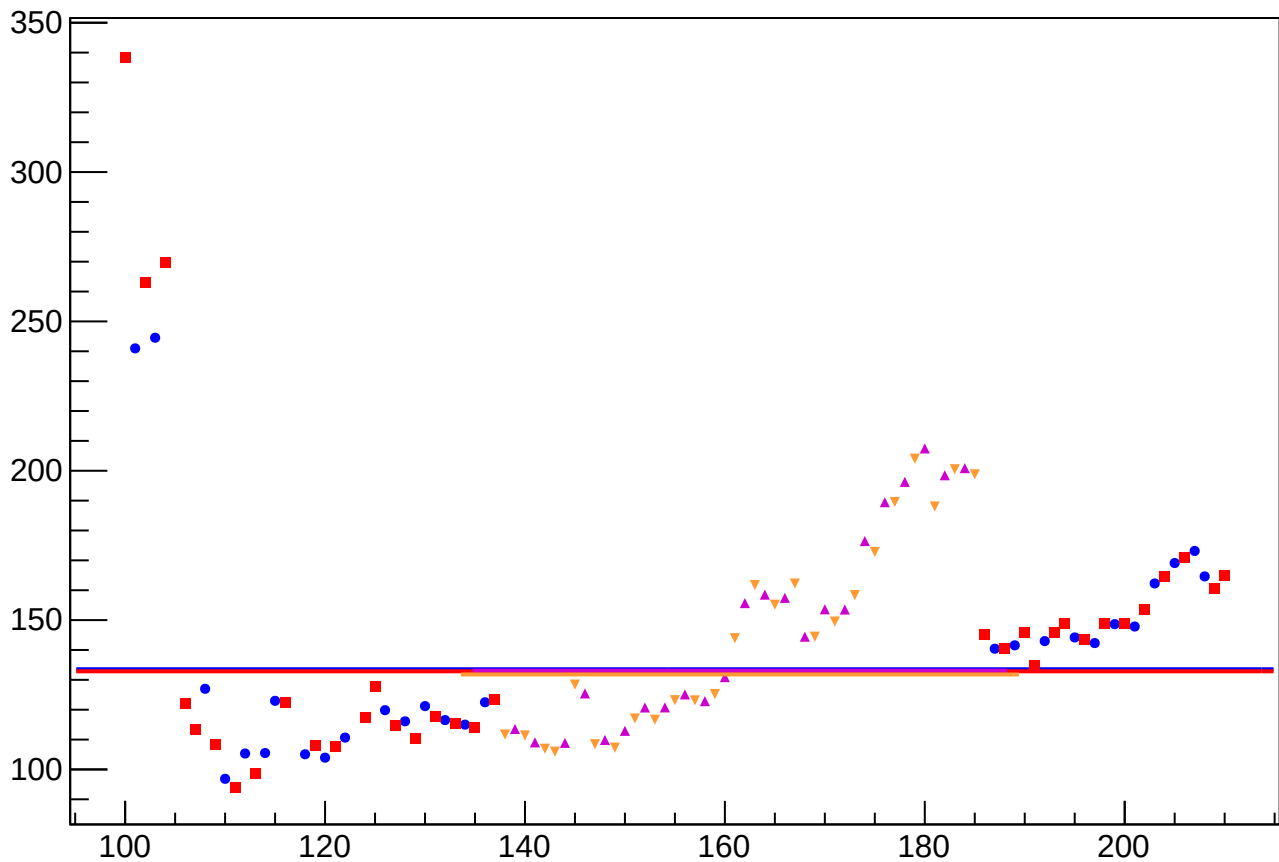
Right Out: -5519.790+/-32.287 χ^2/NDF : 105304.6/32

All: -406.363+/-16.188 χ^2/NDF : 345201.7/10

- sign -117.969+/-22.717 χ^2/NDF : 179282.8/55

Left In: 5178.213+/-31.969 χ^2/NDF : 18541.3/22

asym_bpm1i02WS_rms vs Slug



Right In: 133.541+/-0.025 χ^2/NDF : 1285490.1/26

Left Out: 131.798+/-0.022 χ^2/NDF : 1544340.3/24

Right Out: 132.859+/-0.023 χ^2/NDF : 1566001.7/32

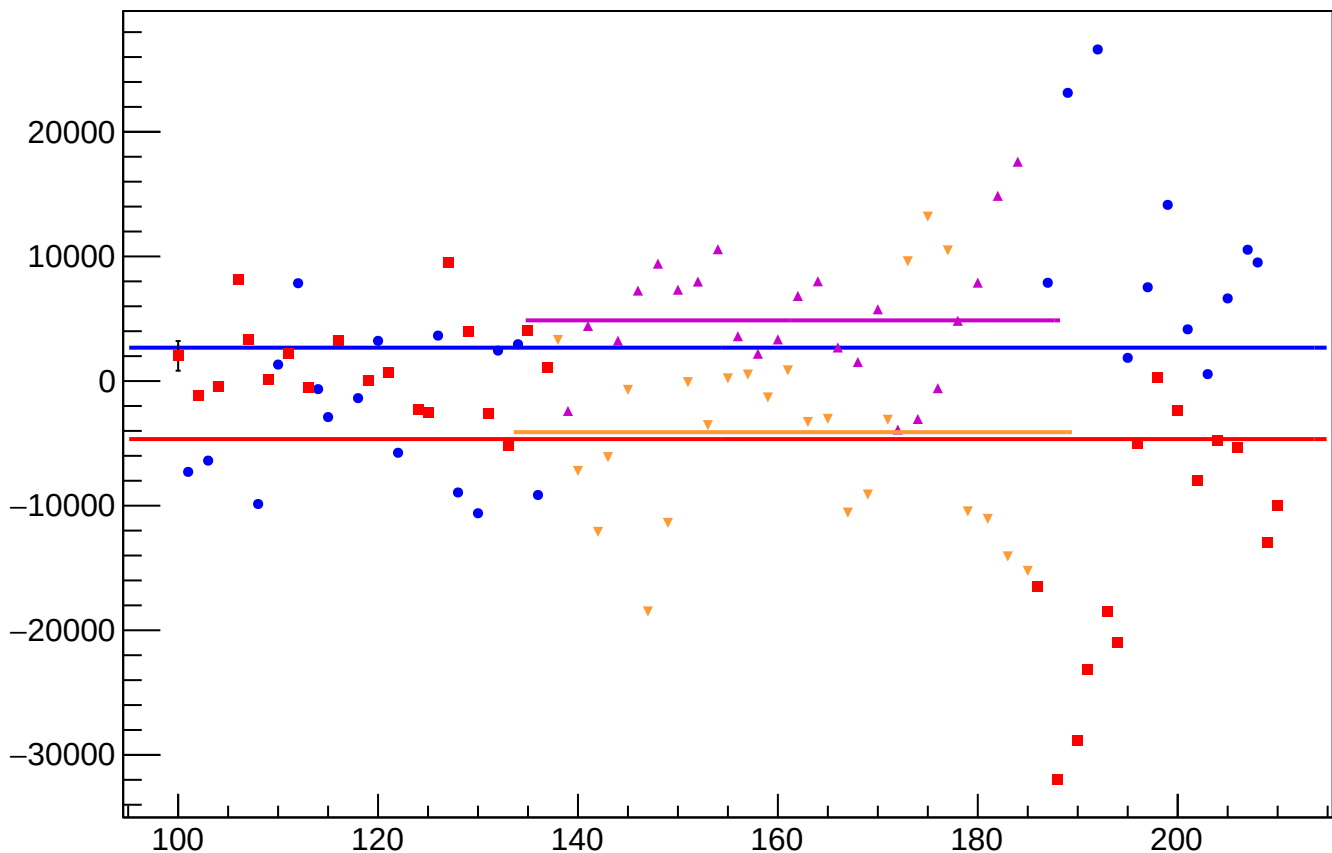
Left In: 133.061+/-0.023 χ^2/NDF : 1418252.2/22

+ sign 132.564+/-0.016 χ^2/NDF : 2832643.3/51

All: 132.766+/-0.011 χ^2/NDF : 5817237.3/107

- sign 132.961+/-0.016 χ^2/NDF : 2984293.4/55

asym_bpm2i01WS_mean vs Slug



Right In: 2678.910+/-31.830 χ^2/NDF : 87059.1/26

Left Out: -4098.897+/-27.771 χ^2/NDF : 66271.3/24

Right Out: -4657.540+/-29.775 χ^2/NDF : 112137.9/32

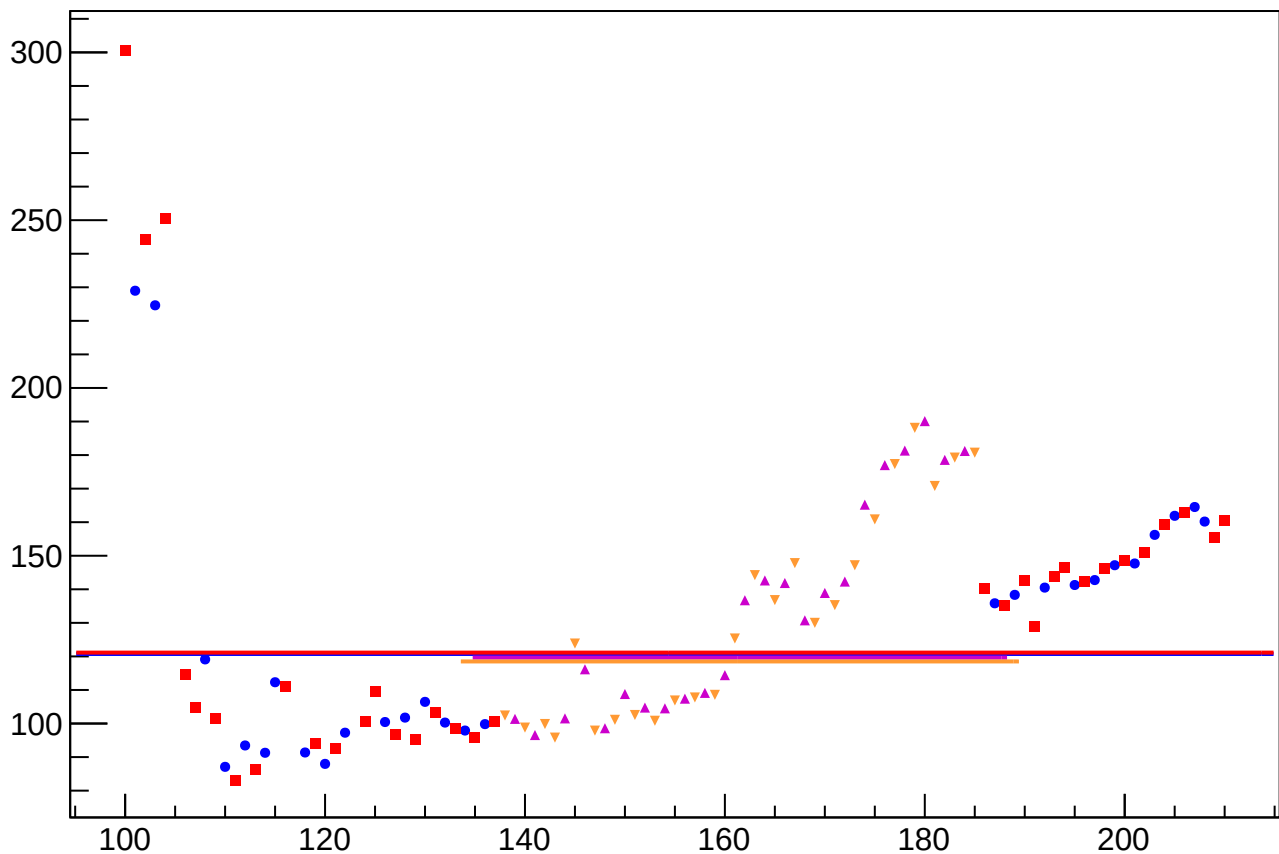
Left In: 4869.740+/-28.809 χ^2/NDF : 21913.6/22

+ sign -1169.430+/-20.926 χ^2/NDF : 179074.8/51

All: -445.479+/-14.718 χ^2/NDF : 368375.1/10

- sign 263.181+/-20.704 χ^2/NDF : 186931.9/55

asym_bpm2i01WS_rms vs Slug



Right In: 120.729 $\pm$ 0.023 χ^2 /NDF: 1896989.2/26

Left Out: 118.502 $\pm$ 0.020 χ^2 /NDF: 1627138.9/24

Right Out: 121.136 $\pm$ 0.021 χ^2 /NDF: 2224877.8/32

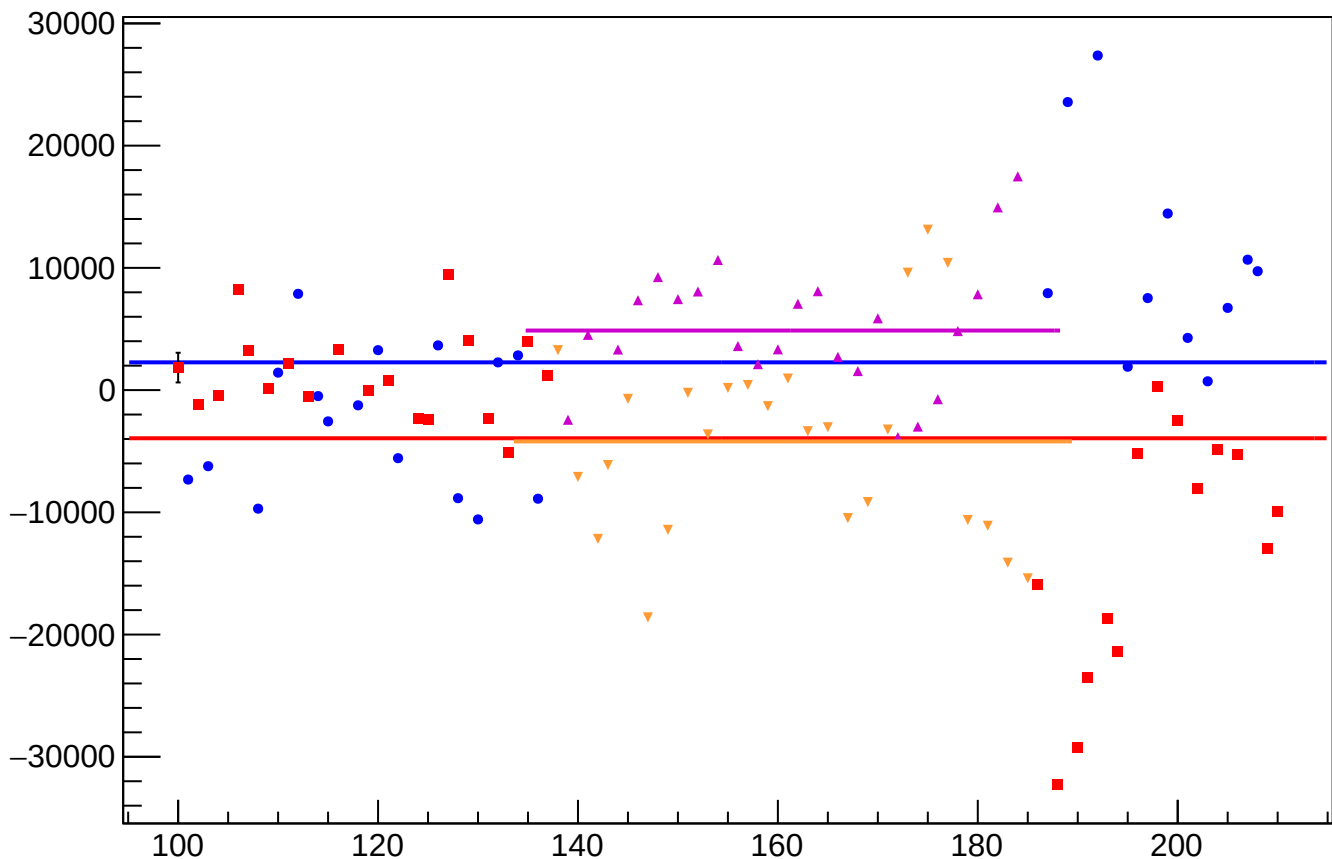
Left In: 119.645 $\pm$ 0.020 χ^2 /NDF: 1512380.5/22

+ sign 119.464 $\pm$ 0.015 χ^2 /NDF: 3529687.7/51

All: 119.920 $\pm$ 0.010 χ^2 /NDF: 7271412.6/107

- sign 120.366 $\pm$ 0.015 χ^2 /NDF: 3739849.1/55

asym_bpm2i02WS_mean vs Slug



Right In: 2270.148+/-31.429 χ^2/NDF : 86087.3/26

Left Out: -4197.414+/-27.211 χ^2/NDF : 70415.4/24

Right Out: -3939.972+/-29.488 χ^2/NDF : 105853.3/32

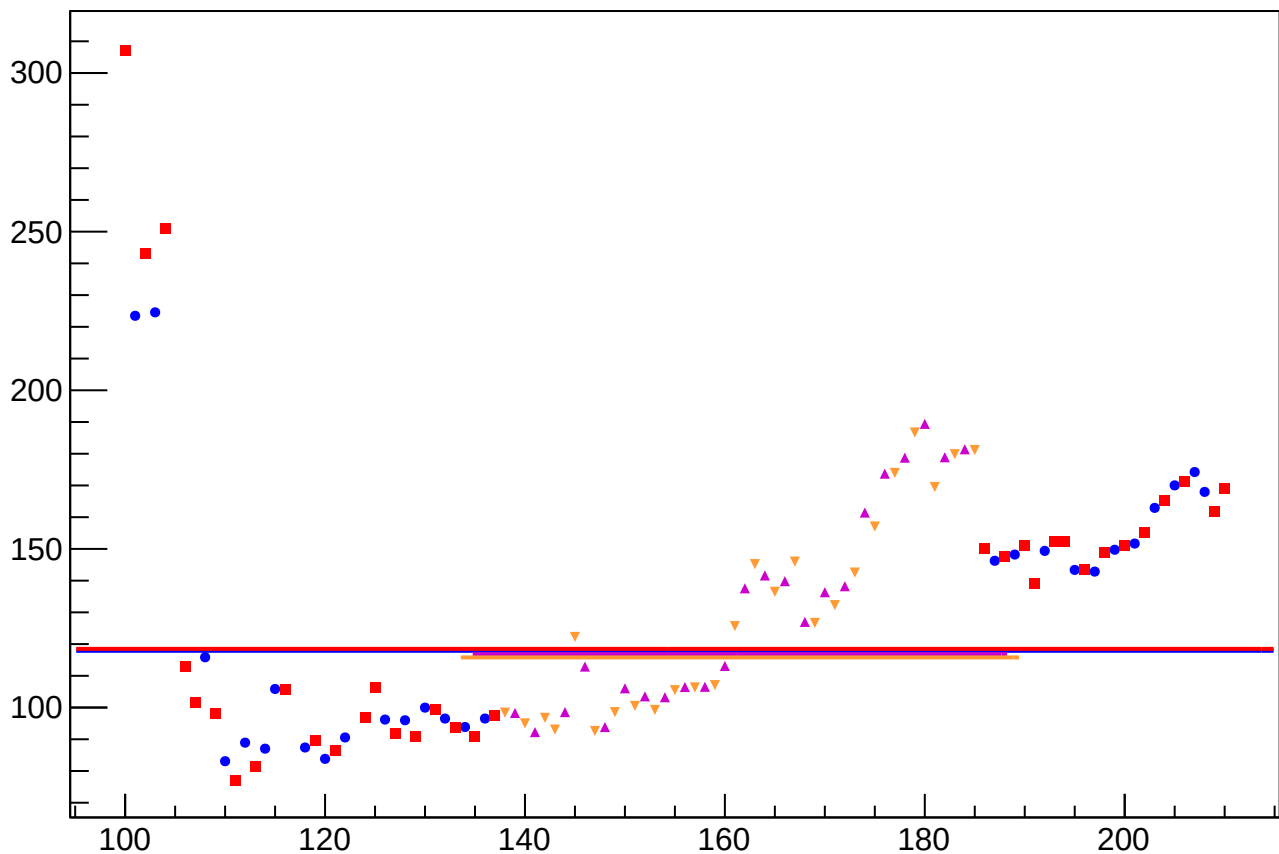
Left In: 4873.124+/-28.200 χ^2/NDF : 22923.8/22

+ sign -1426.490+/-20.572 χ^2/NDF : 180706.6/51

All: -371.865+/-14.478 χ^2/NDF : 361345.3/10

- sign 663.267+/-20.381 χ^2/NDF : 175431.0/55

asym_bpm2i02WS_rms vs Slug



Right In: 117.883 $\pm$ 0.022 χ^2 /NDF: 2432895.1/26

Left Out: 115.798 $\pm$ 0.019 χ^2 /NDF:1749021.2/24

Right Out: 118.495 $\pm$ 0.021 χ^2 /NDF: 2943959.8/32

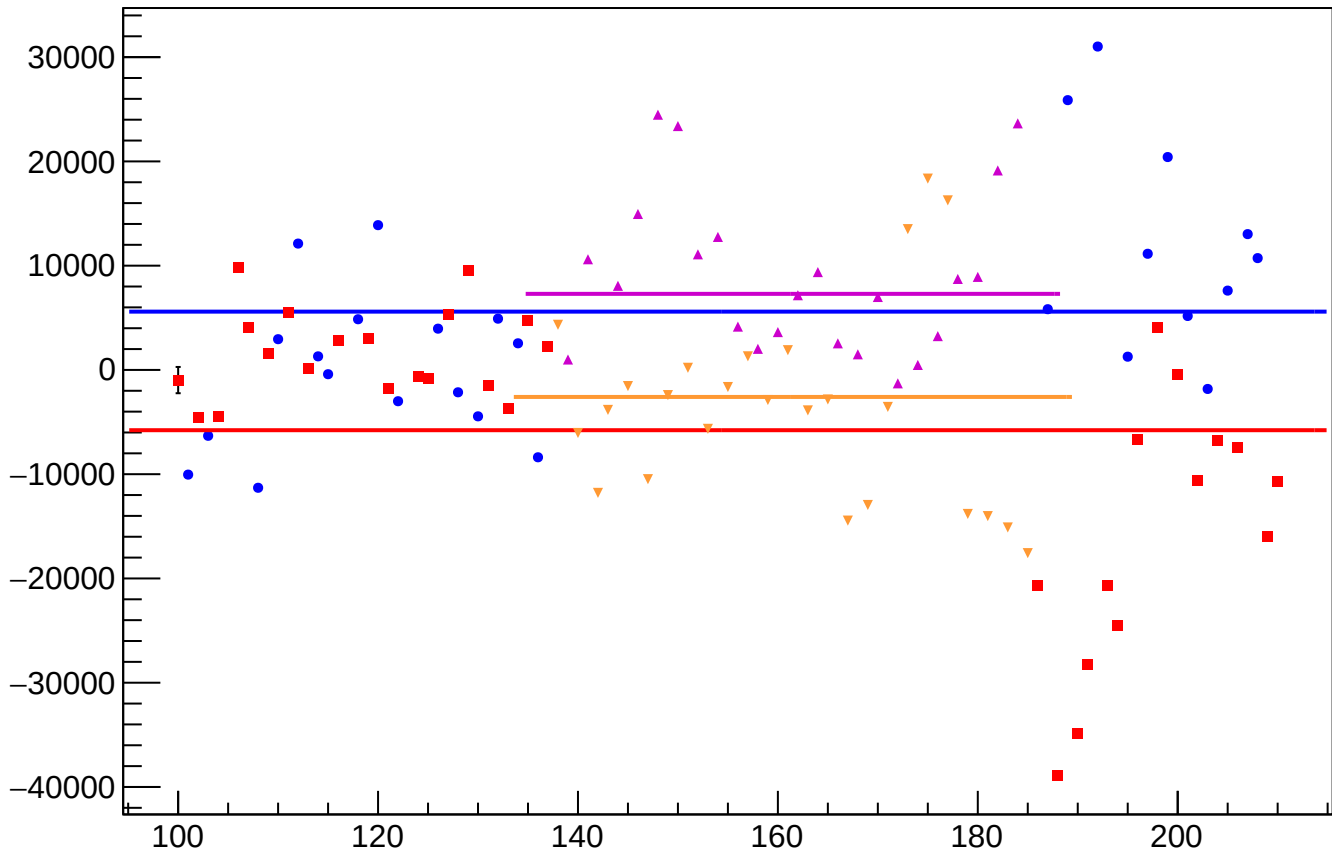
Left In: 116.808 $\pm$ 0.020 χ^2 /NDF:1617645.9/22

+ sign 116.691 $\pm$ 0.015 χ^2 /NDF: 4186945.4/51

All: 117.157 $\pm$ 0.010 χ^2 /NDF: 8754000.2/107

- sign 117.614 $\pm$ 0.014 χ^2 /NDF: 4565022.8/55

asym_bpm0i01WS_mean vs Slug



Right In: 5591.493+/-41.672 χ^2/NDF : 64369.9/26

Left Out: -2591.379+/-37.643 χ^2/NDF : 47994.7/24

+ sign 1085.454+/-27.934 χ^2/NDF : 133597.3/51

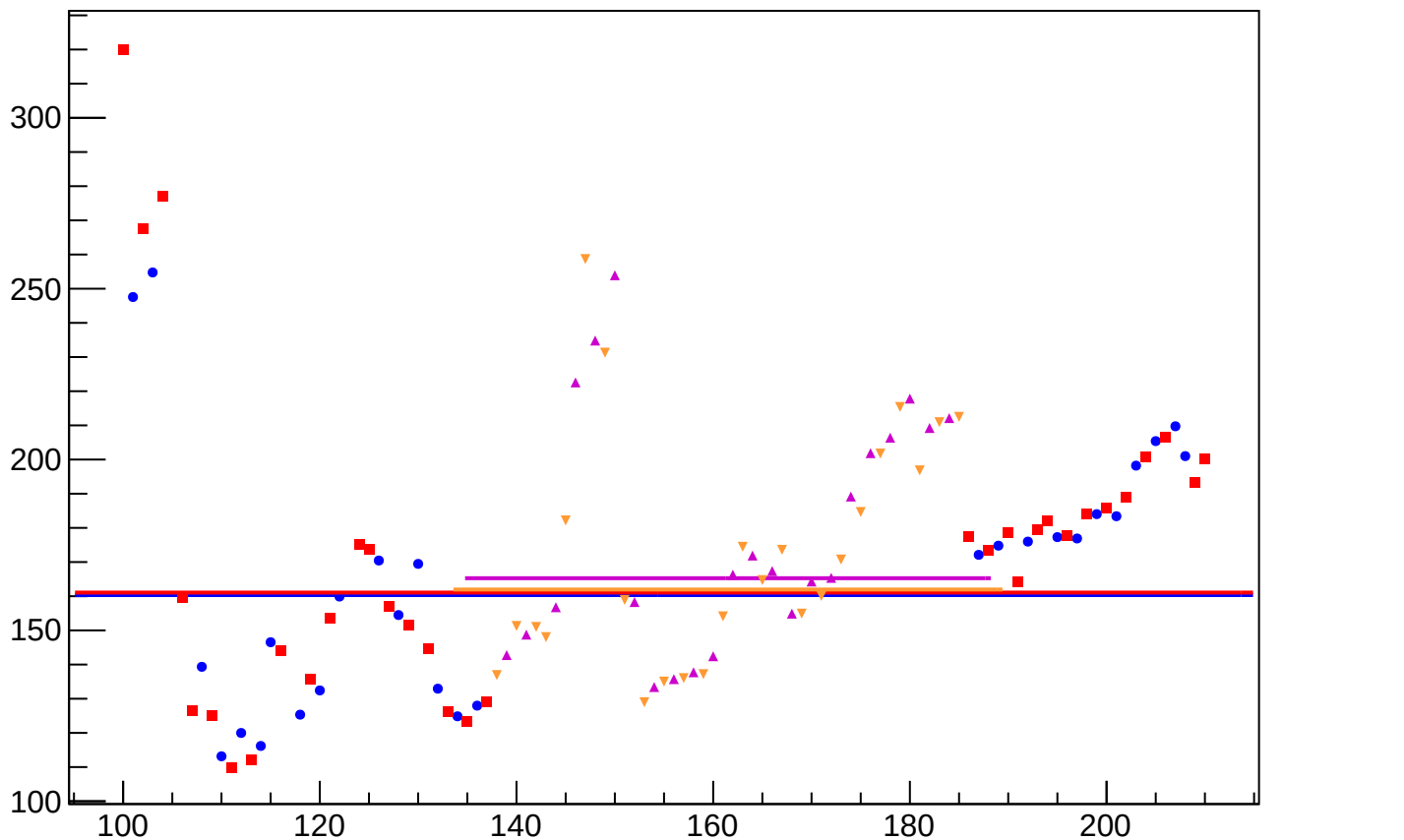
Right Out: -5781.426+/-39.068 χ^2/NDF : 100091.8/32

All: 878.209+/-19.706 χ^2/NDF : 313844.7/107

- sign 672.903+/-27.803 χ^2/NDF : 180137.9/55

Left In: 7296.193+/-39.576 χ^2/NDF : 24743.4/22

asym_bpm0i01WS_rms vs Slug



Right In: 160.334 $\pm$ 0.029 χ^2 /NDF: 1356307.5/26

Left Out: 161.957 $\pm$ 0.027 χ^2 /NDF:1144808.3/24

Right Out: 161.069 $\pm$ 0.028 χ^2 /NDF: 1582149.1/32

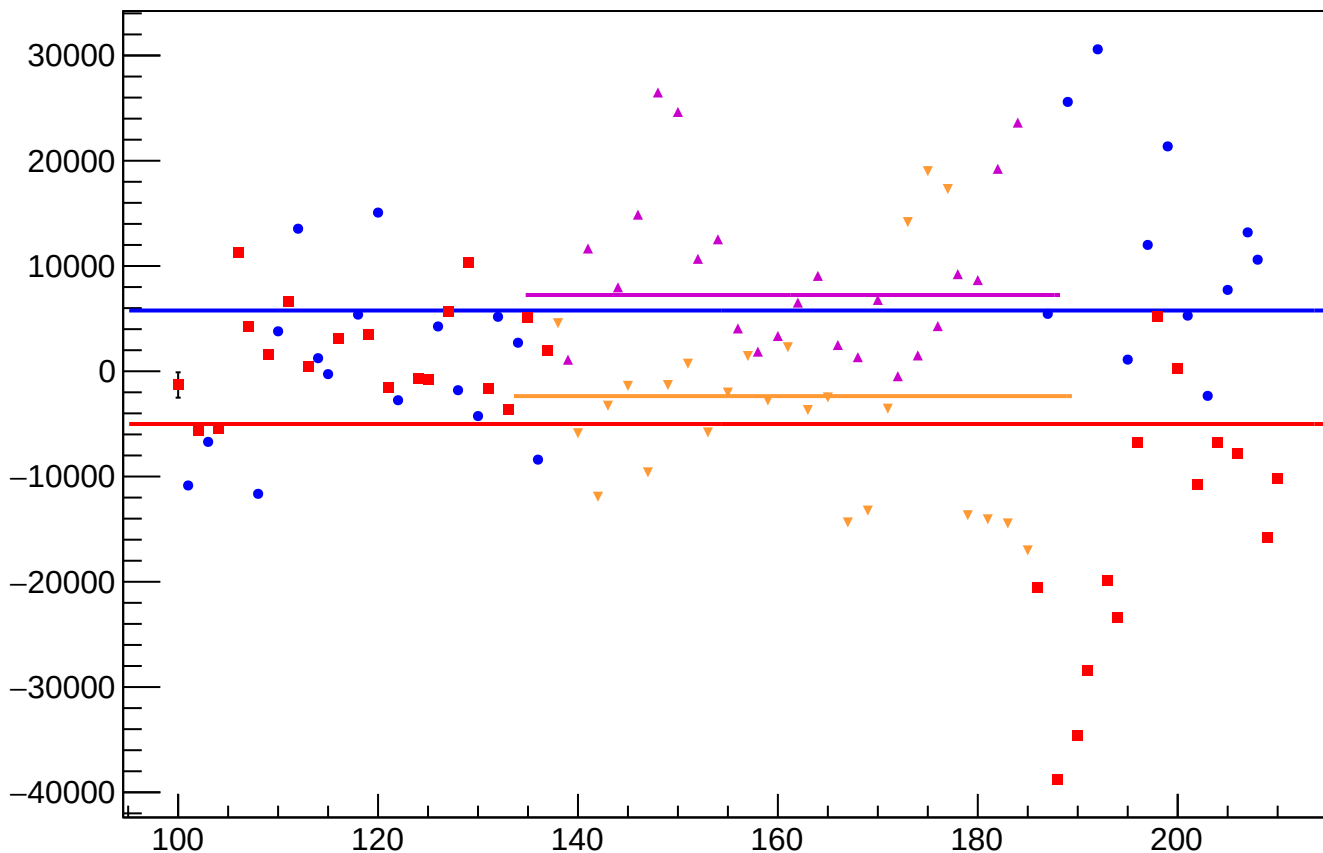
Left In: 165.273 $\pm$ 0.028 χ^2 /NDF:1179090.6/22

+ sign 161.228 $\pm$ 0.020 χ^2 /NDF: 2502785.8/51

All: 162.190 $\pm$ 0.014 χ^2 /NDF: 5280179.8/107

- sign 163.143 $\pm$ 0.020 χ^2 /NDF: 2772669.3/55

asym_bpm0i01aWS_mean vs Slug



Right In: 5772.337+/-35.382 χ^2/NDF : 89819.3/26

Left Out: -2360.753+/-33.680 χ^2/NDF : 58566.4/24

Right Out: -5010.245+/-33.034 χ^2/NDF : 139342.8/32

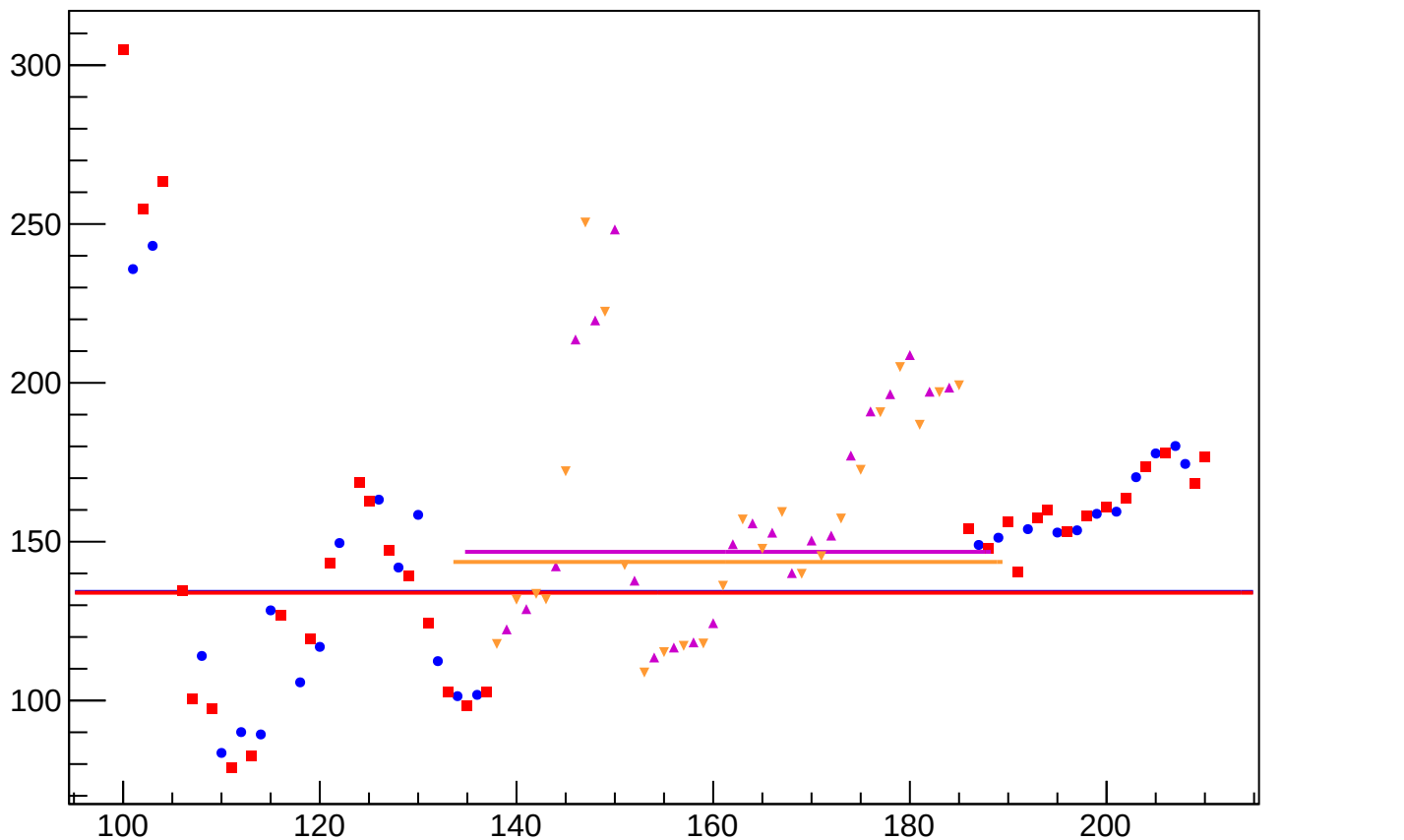
Left In: 7244.763+/-35.507 χ^2/NDF : 30447.9/22

+ sign 1505.487+/-24.395 χ^2/NDF : 176105.9/51

All: 1086.945+/-17.175 χ^2/NDF : 410335.1/10

- sign 675.559+/-24.186 χ^2/NDF : 233645.5/55

asym_bpm0i01aWS_rms vs Slug



Right In: 134.191 $\pm$ 0.025 χ^2 /NDF: 2030757.4/26

Left Out: 143.622 $\pm$ 0.024 χ^2 /NDF:1662825.4/24

Right Out: 133.941 $\pm$ 0.023 χ^2 /NDF: 2491350.7/32

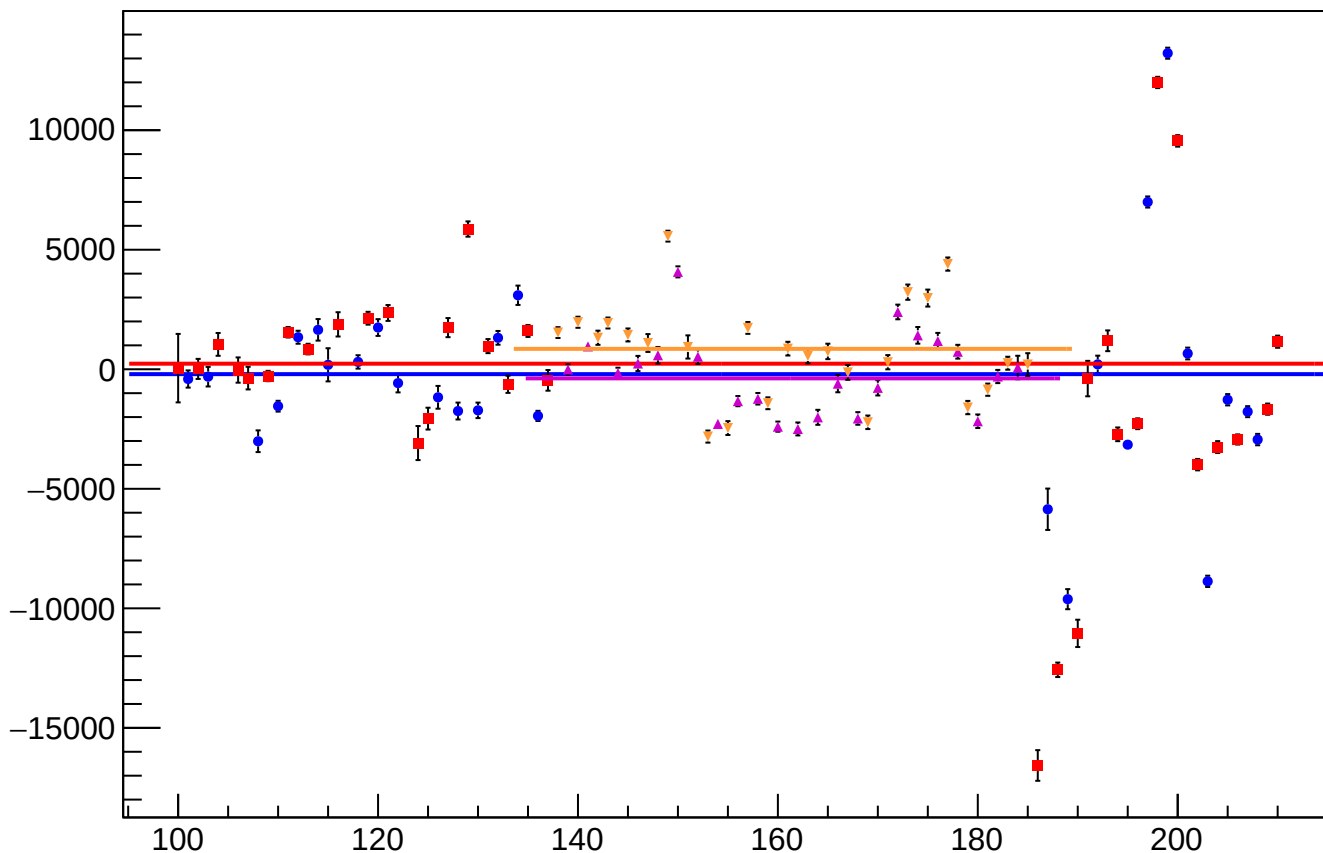
Left In: 146.793 $\pm$ 0.025 χ^2 /NDF:1694524.1/22

+ sign 139.139 $\pm$ 0.017 χ^2 /NDF: 3768138.9/51

All: 139.525 $\pm$ 0.012 χ^2 /NDF: 8095477.2/107

- sign 139.904 $\pm$ 0.017 χ^2 /NDF: 4326346.5/55

asym_bpm0l01WS_mean vs Slug



Right In: -204.192 ± 56.659 χ^2/NDF : 6999.3/26

Left Out: 853.916 ± 56.237 χ^2/NDF : 1443.8/24

Right Out: 232.820 ± 53.318 χ^2/NDF : 8478.7/32

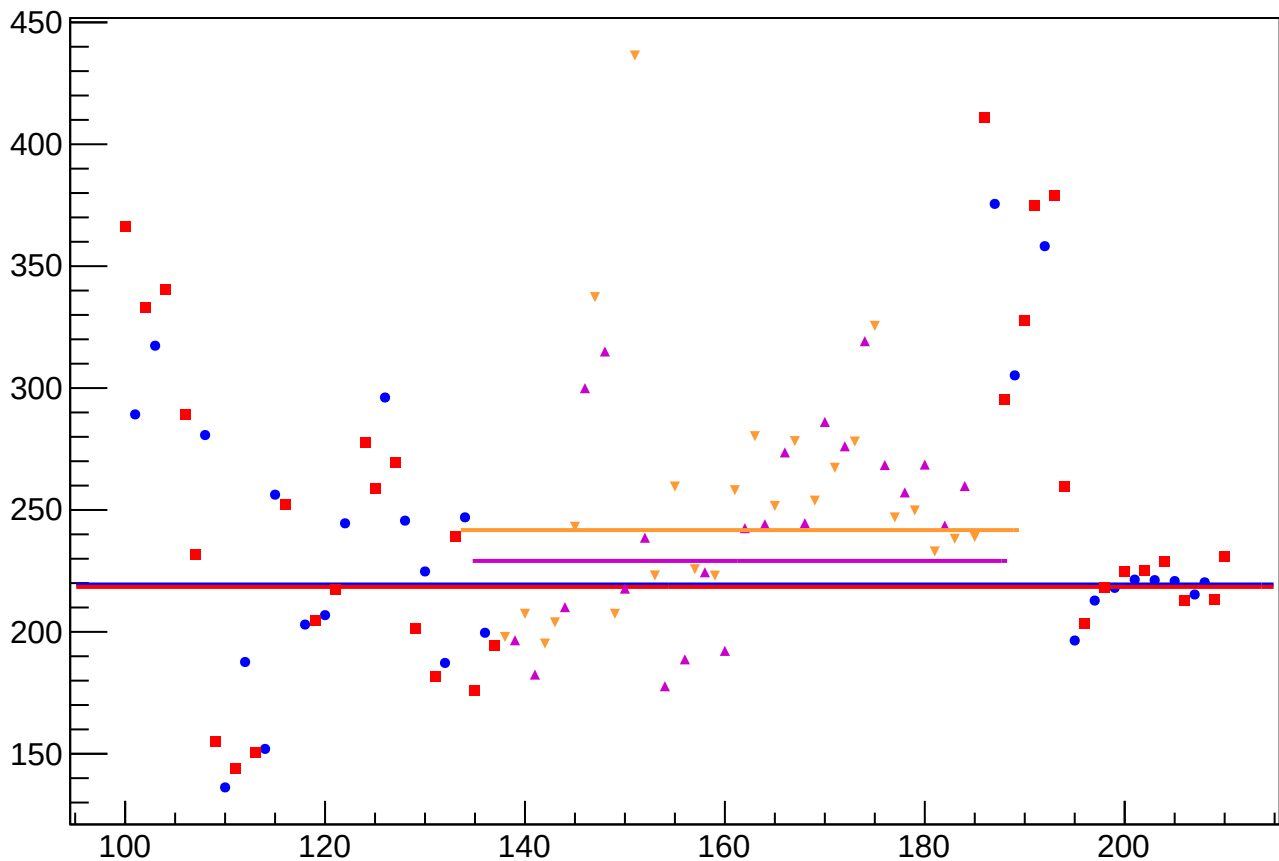
Left In: -380.865 ± 55.135 χ^2/NDF : 982.4/22

+ sign 328.822 ± 39.914 χ^2/NDF : 8618.9/51

All: 124.586 ± 27.646 χ^2/NDF : 18194.3/107

- sign -63.745 ± 38.328 χ^2/NDF : 9525.1/55

asym_bpm0l01WS_rms vs Slug



Right In: 219.441 $\pm$ 0.040 χ^2 /NDF: 1172101.1/26

Left Out: 241.746 $\pm$ 0.040 χ^2 /NDF: 986390.8/24

Right Out: 218.444 $\pm$ 0.038 χ^2 /NDF: 1915867.3/32

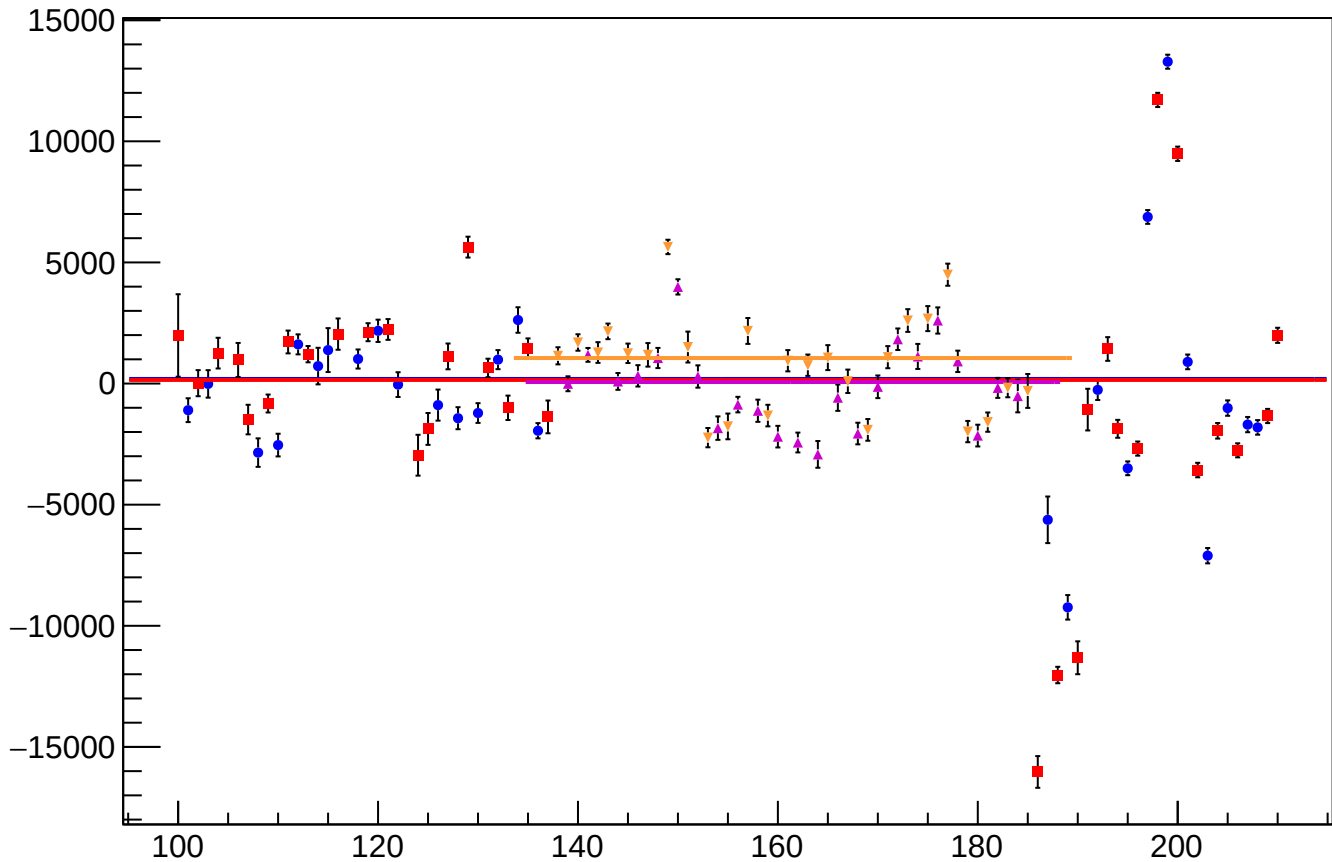
Left In: 229.103 $\pm$ 0.039 χ^2 /NDF: 1068960.6/22

+ sign 230.677 $\pm$ 0.028 χ^2 /NDF: 2314630.3/51

All: 226.993 $\pm$ 0.020 χ^2 /NDF: 5370840.5/107

- sign 223.595 $\pm$ 0.027 χ^2 /NDF: 3023455.9/55

asym_bpm0l02WS_mean vs Slug



Right In: 189.174 $\pm$ 76.480 χ^2 /NDF: 3970.8/26

Left Out: 1053.354 $\pm$ 85.895 χ^2 /NDF: 614.6/24

Right Out: 149.255 $\pm$ 71.868 χ^2 /NDF: 5538.8/32

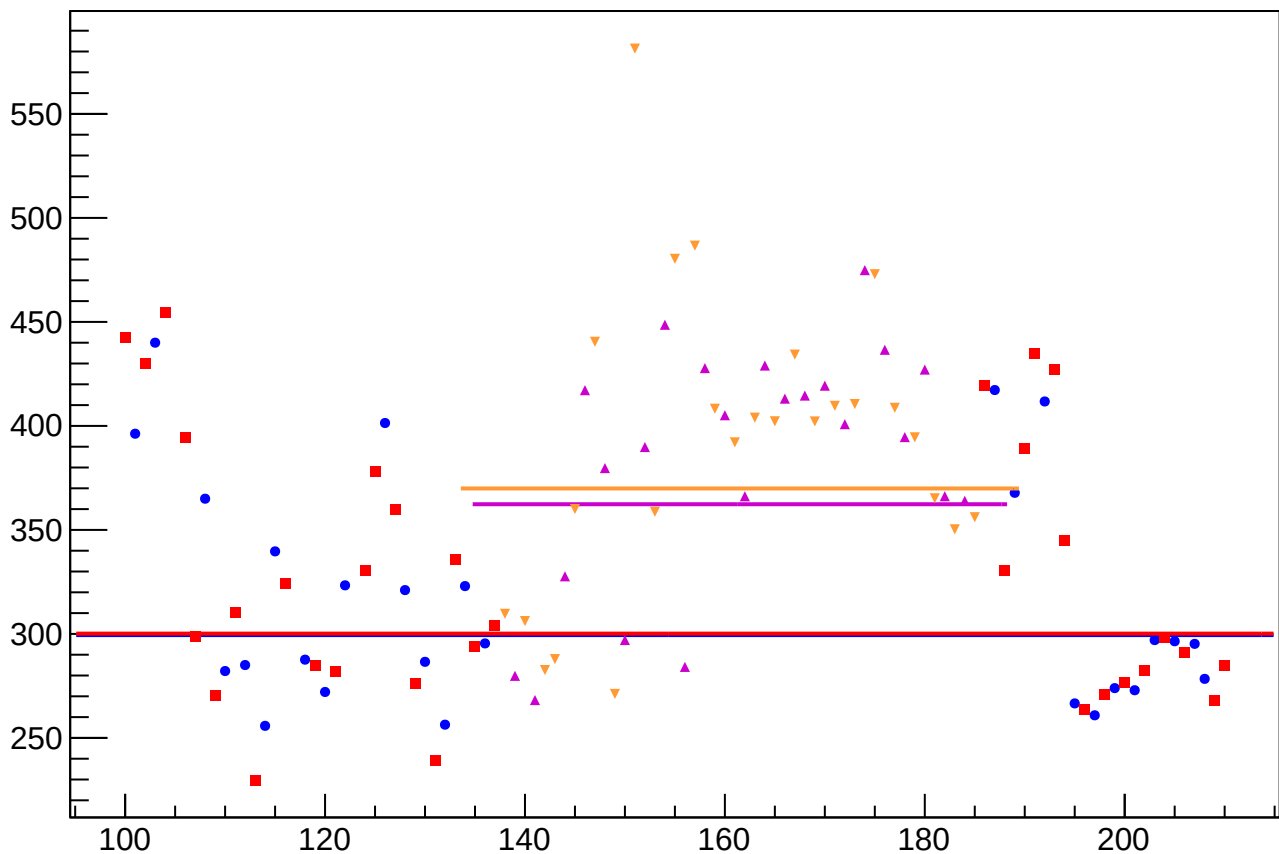
Left In: 64.646 $\pm$ 86.660 χ^2 /NDF: 394.4/22

+ sign 571.321 $\pm$ 57.119 χ^2 /NDF: 4641.9/51

All: 335.743 $\pm$ 39.738 χ^2 /NDF: 10608.6/107

- sign 114.777 $\pm$ 55.320 χ^2 /NDF: 5933.8/55

asym_bpm0l02WS_rms vs Slug



Right In: 299.440 $\pm$ 0.054 χ^2 /NDF: 654535.1/26

Left Out: 369.923 $\pm$ 0.061 χ^2 /NDF:1230300.9/24

Right Out: 300.141 $\pm$ 0.051 χ^2 /NDF: 953047.7/32

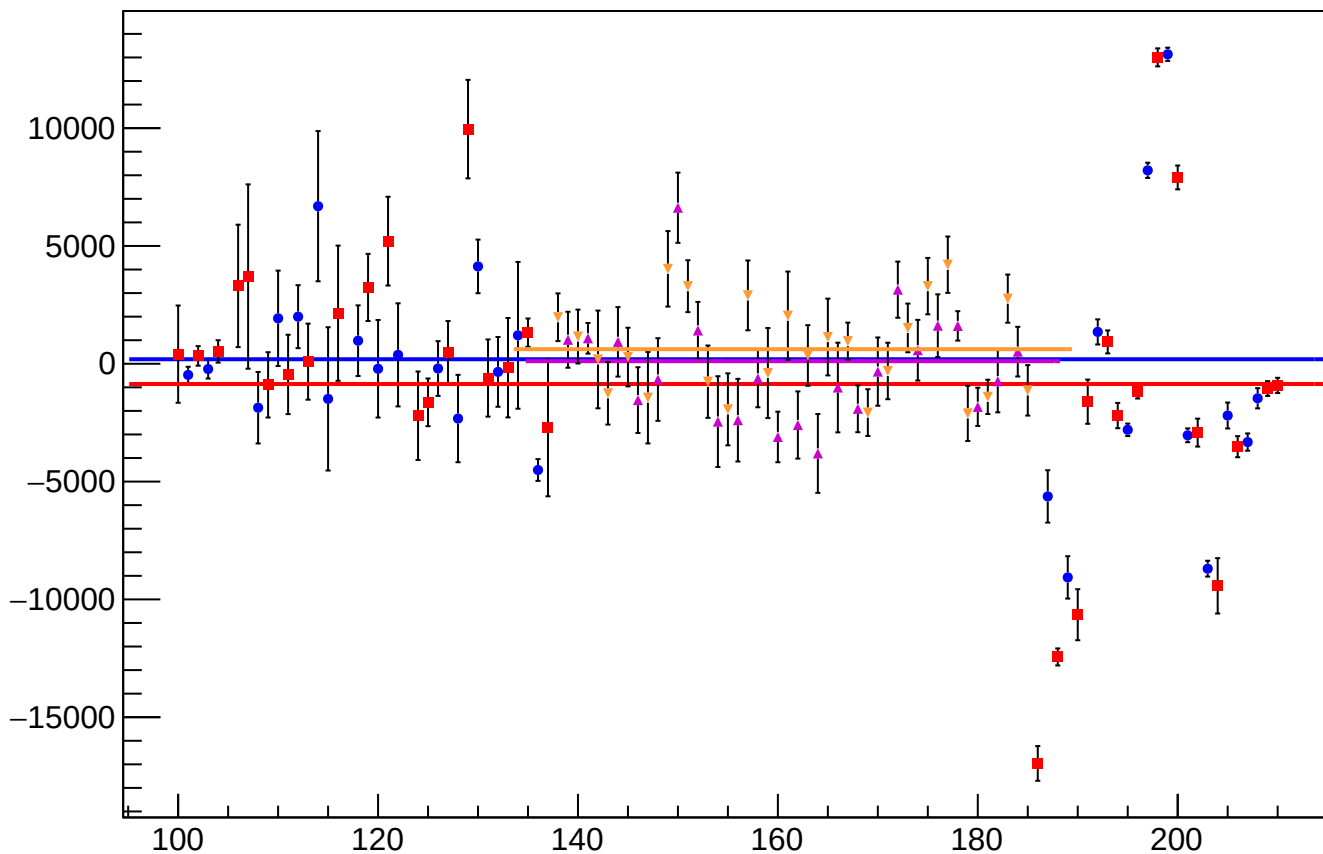
Left In: 362.341 $\pm$ 0.061 χ^2 /NDF:1053395.6/22

+ sign 330.608 $\pm$ 0.040 χ^2 /NDF: 2636001.3/51

All: 327.966 $\pm$ 0.028 χ^2 /NDF: 5261206.7/107

- sign 325.488 $\pm$ 0.039 χ^2 /NDF: 2616910.3/55

asym_bpm0l03WS_mean vs Slug



Right In: 192.135 ± 98.756 $\chi^2/\text{NDF}: 4075.8/26$

Left Out: 618.538 ± 238.150 $\chi^2/\text{NDF}: 65.7/24$

Right Out: -858.490 ± 106.427 $\chi^2/\text{NDF}: 3408.9/32$

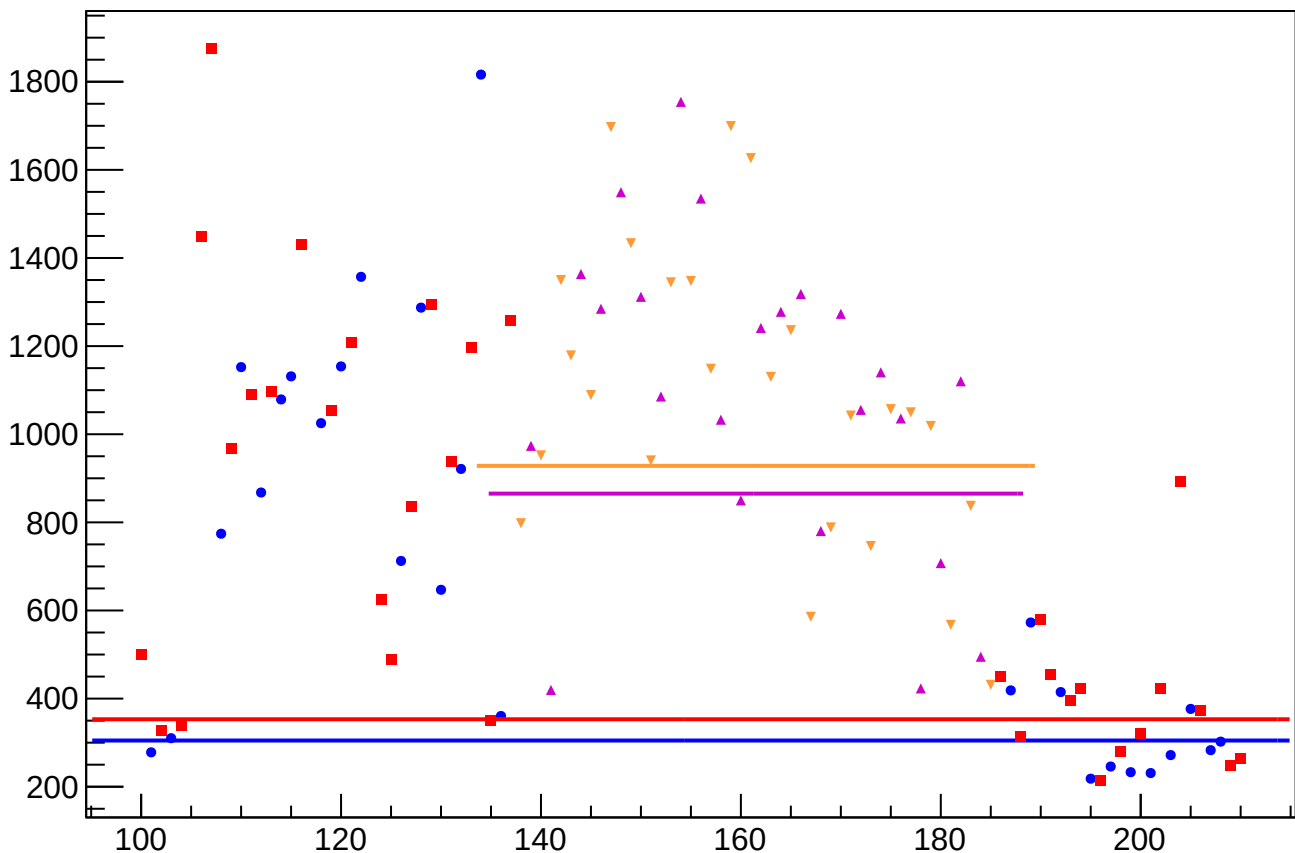
Left In: 109.519 ± 237.827 $\chi^2/\text{NDF}: 71.7/22$

+ sign 254.701 ± 91.224 $\chi^2/\text{NDF}: 4144.3/51$

All: -191.261 ± 66.499 $\chi^2/\text{NDF}: 7689.7/107$

- sign -696.984 ± 97.144 $\chi^2/\text{NDF}: 3494.4/55$

asym_bpm0l03WS_rms vs Slug



Right In: 304.887 $\pm$ 0.070 χ^2 /NDF: 5152390.9/26

Left Out: 928.240 $\pm$ 0.168 χ^2 /NDF: 3294716.2/24

Right Out: 353.117 $\pm$ 0.075 χ^2 /NDF: 6149699.9/32

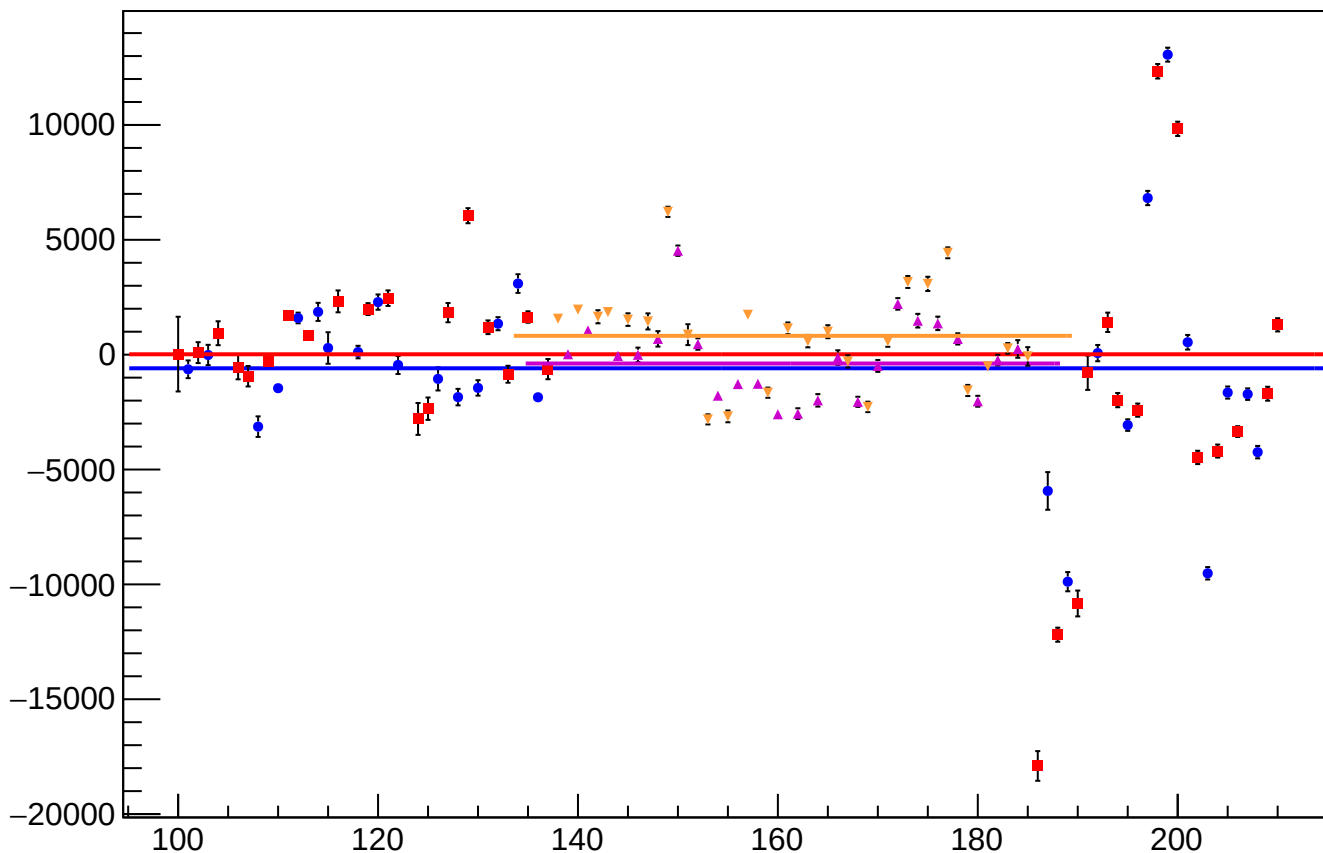
Left In: 865.223 $\pm$ 0.168 χ^2 /NDF: 4792678.4/22

+ sign 396.350 $\pm$ 0.065 χ^2 /NDF: 20138987.8/51

All: 416.129 $\pm$ 0.047 χ^2 /NDF: 39007975.9/10

- sign 438.558 $\pm$ 0.069 χ^2 /NDF: 18668352.9/55

asym_bpm0l04WS_mean vs Slug



Right In: -592.898 ± 60.170 χ^2/NDF : 4973.4/26

Left Out: 820.821 ± 49.996 χ^2/NDF : 1990.8/24

Right Out: 17.085 ± 55.967 χ^2/NDF : 6786.7/32

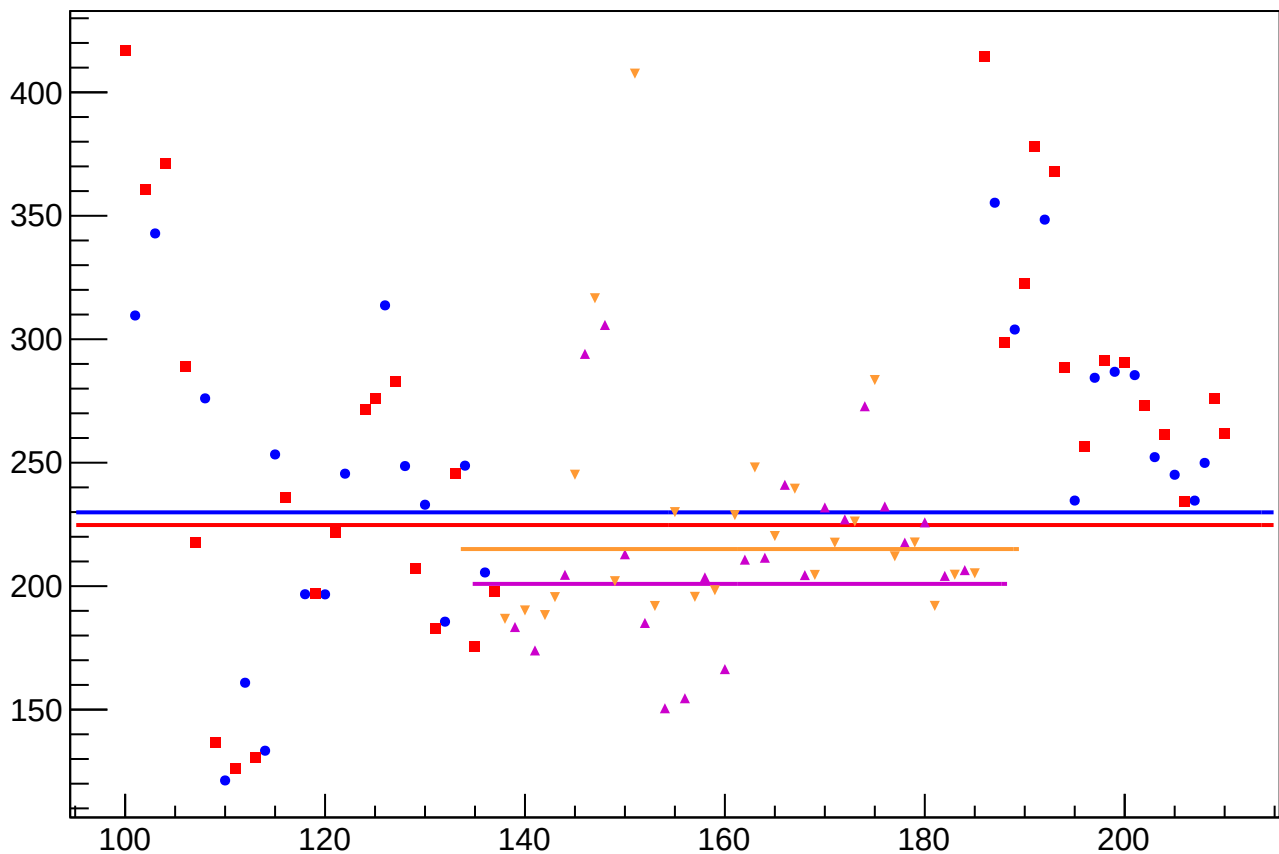
Left In: -385.002 ± 48.455 χ^2/NDF : 1253.3/22

+ sign 243.420 ± 38.454 χ^2/NDF : 7290.8/51

All: 4.285 ± 26.524 χ^2/NDF : 15434.0/107

- sign -212.735 ± 36.633 χ^2/NDF : 8069.5/55

asym_bpm0l04WS_rms vs Slug



Right In: 229.894 ± 0.043 $\chi^2/\text{NDF}: 1857757.2/26$

Left Out: 215.027 ± 0.035 $\chi^2/\text{NDF}: 897791.6/24$

Right Out: 224.754 ± 0.040 $\chi^2/\text{NDF}: 3175174.7/32$

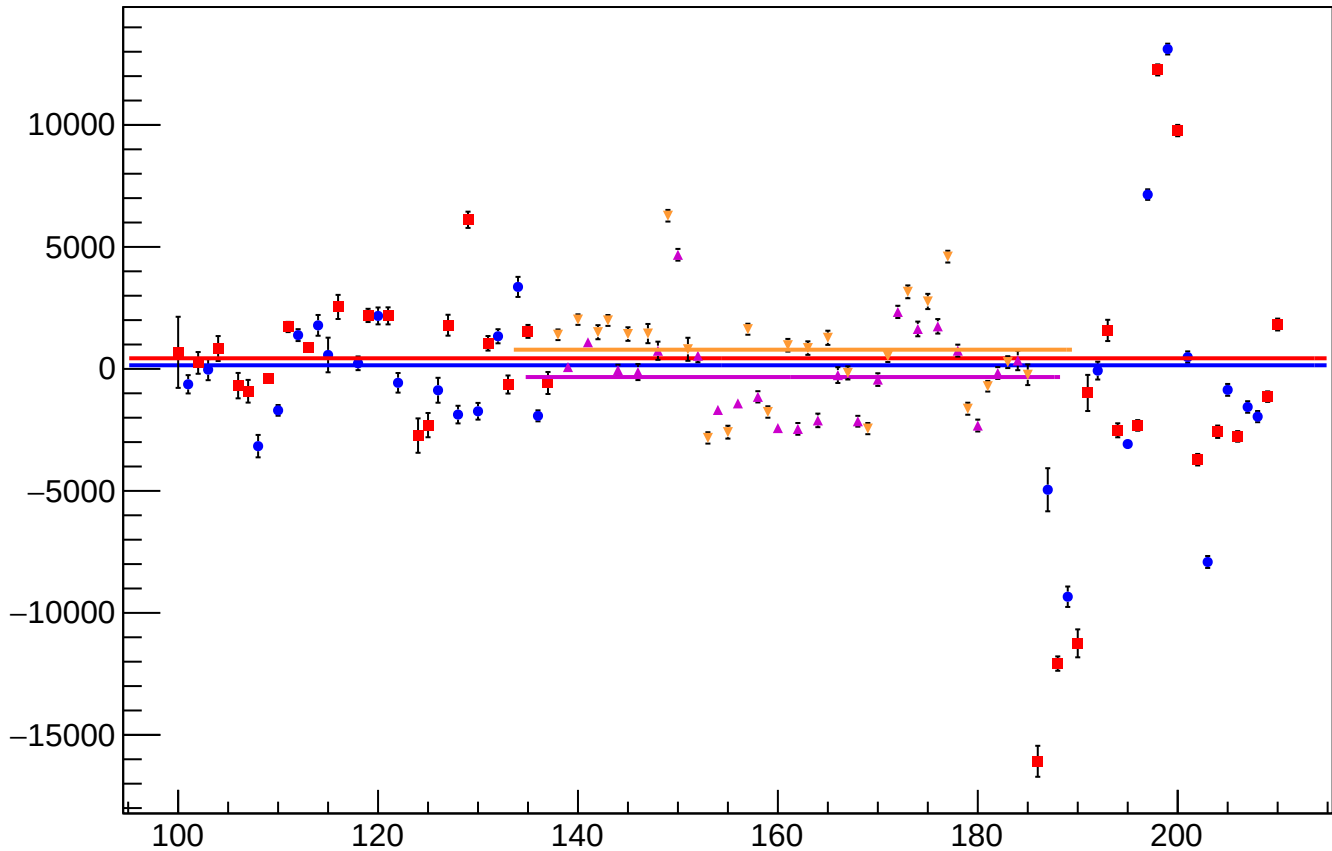
Left In: 200.917 ± 0.034 $\chi^2/\text{NDF}: 1105842.5/22$

+ sign 221.099 ± 0.027 $\chi^2/\text{NDF}: 2827776.8/51$

All: 215.873 ± 0.019 $\chi^2/\text{NDF}: 7386636.6/107$

- sign 211.130 ± 0.026 $\chi^2/\text{NDF}: 4488390.4/55$

asym_bpm0l05WS_mean vs Slug



Right In: 148.626 ± 56.324 χ^2/NDF : 6932.0/26

Left Out: 788.110 ± 51.424 χ^2/NDF : 1890.2/24

Right Out: 435.531 ± 52.550 χ^2/NDF : 8820.4/32

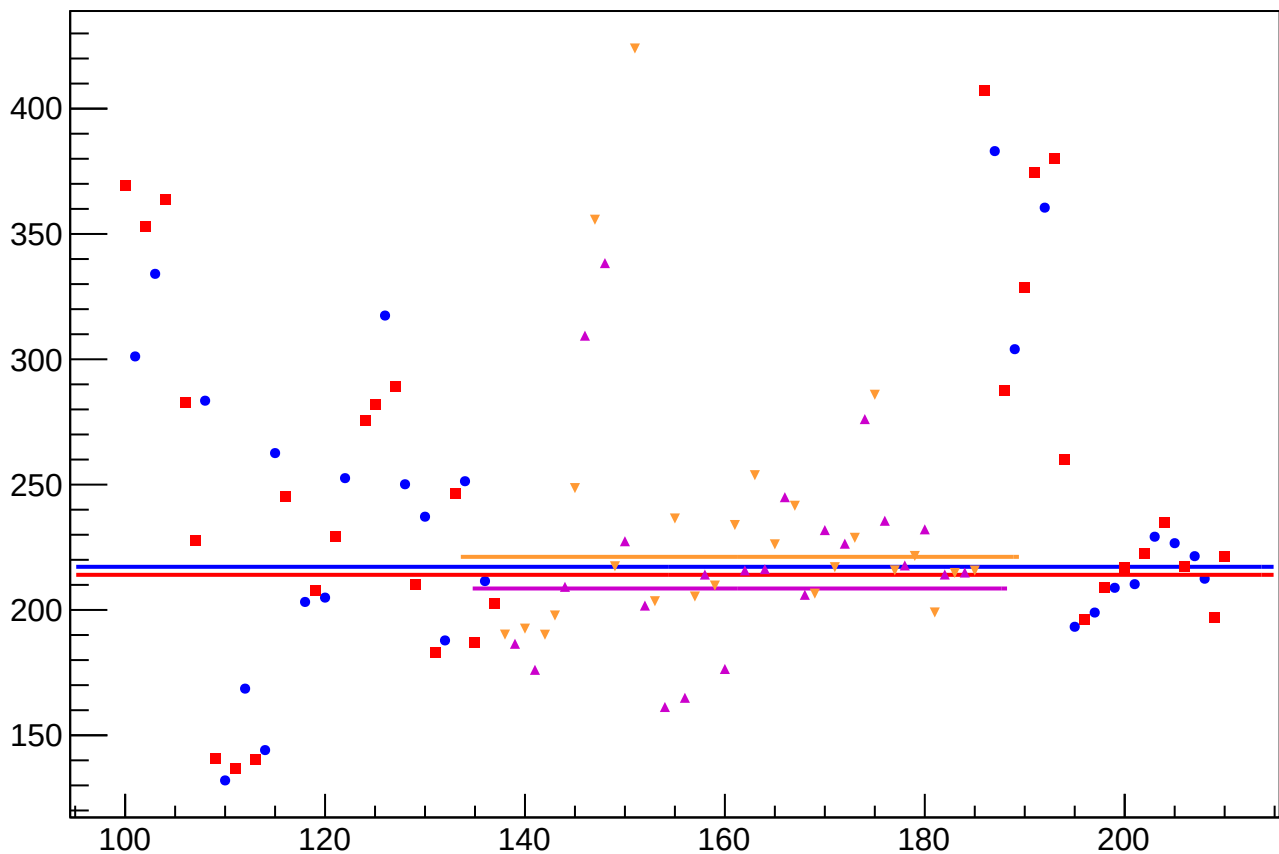
Left In: -333.303 ± 50.194 χ^2/NDF : 1215.2/22

+ sign 497.387 ± 37.977 χ^2/NDF : 8892.5/51

All: 254.956 ± 26.240 χ^2/NDF : 19118.1/107

- sign 33.499 ± 36.297 χ^2/NDF : 10147.6/55

asym_bpm0l05WS_rms vs Slug



Right In: 217.209 ± 0.040 χ^2/NDF : 1412015.8/26

Left Out: 221.185 ± 0.036 χ^2/NDF : 939520.0/24

Right Out: 214.011 ± 0.037 χ^2/NDF : 2280251.9/32

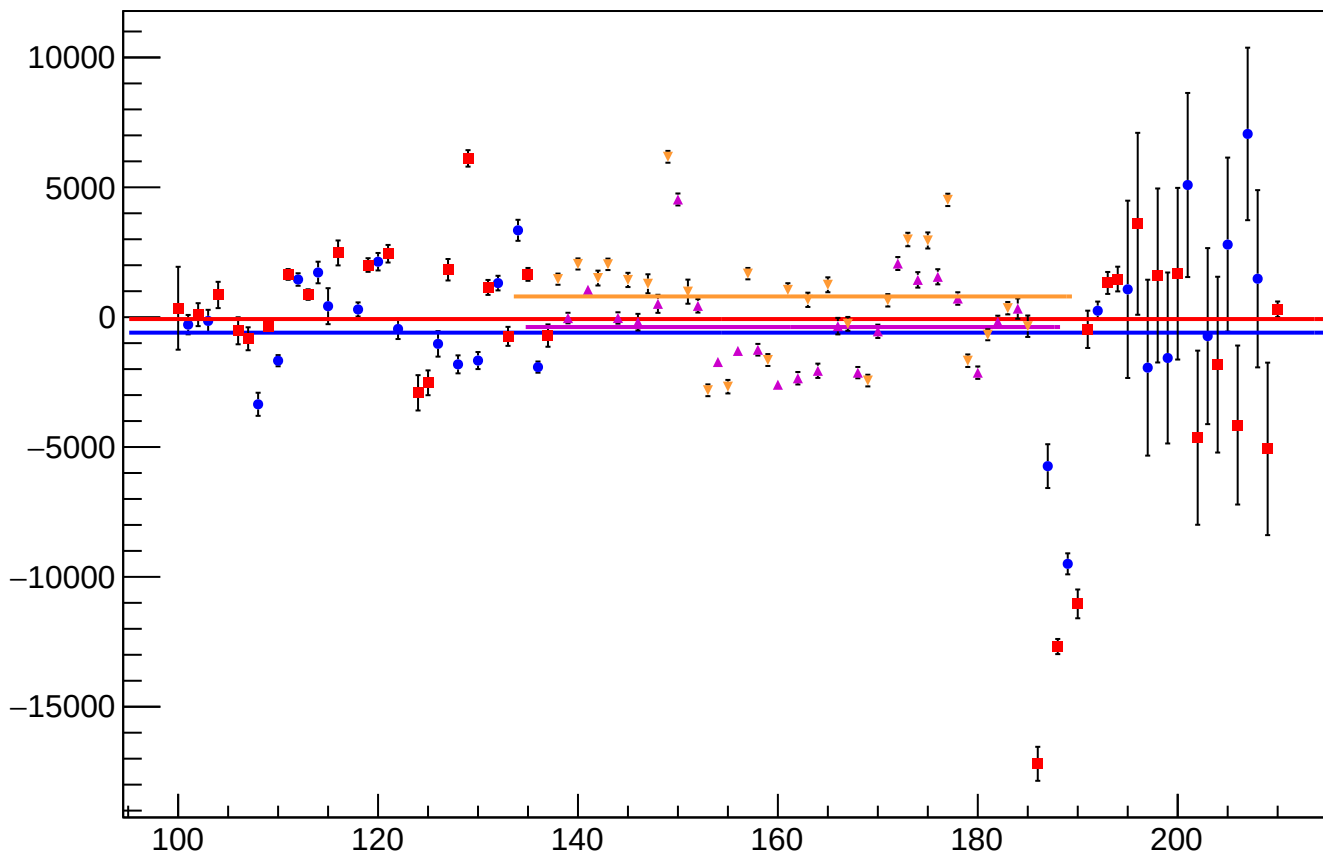
Left In: 208.556 ± 0.035 χ^2/NDF : 1035638.0/22

+ sign 219.378 ± 0.027 χ^2/NDF : 2356970.6/51

All: 215.083 ± 0.019 χ^2/NDF : 5733087.3/107

- sign 211.159 ± 0.026 χ^2/NDF : 3327160.7/55

asym_bpm0l06WS_mean vs Slug



Right In: -596.533 ± 76.338 χ^2/NDF : 986.3/26

Left Out: 797.475 ± 50.495 χ^2/NDF : 1960.8/24

Right Out: -72.379 ± 66.404 χ^2/NDF : 3739.5/32

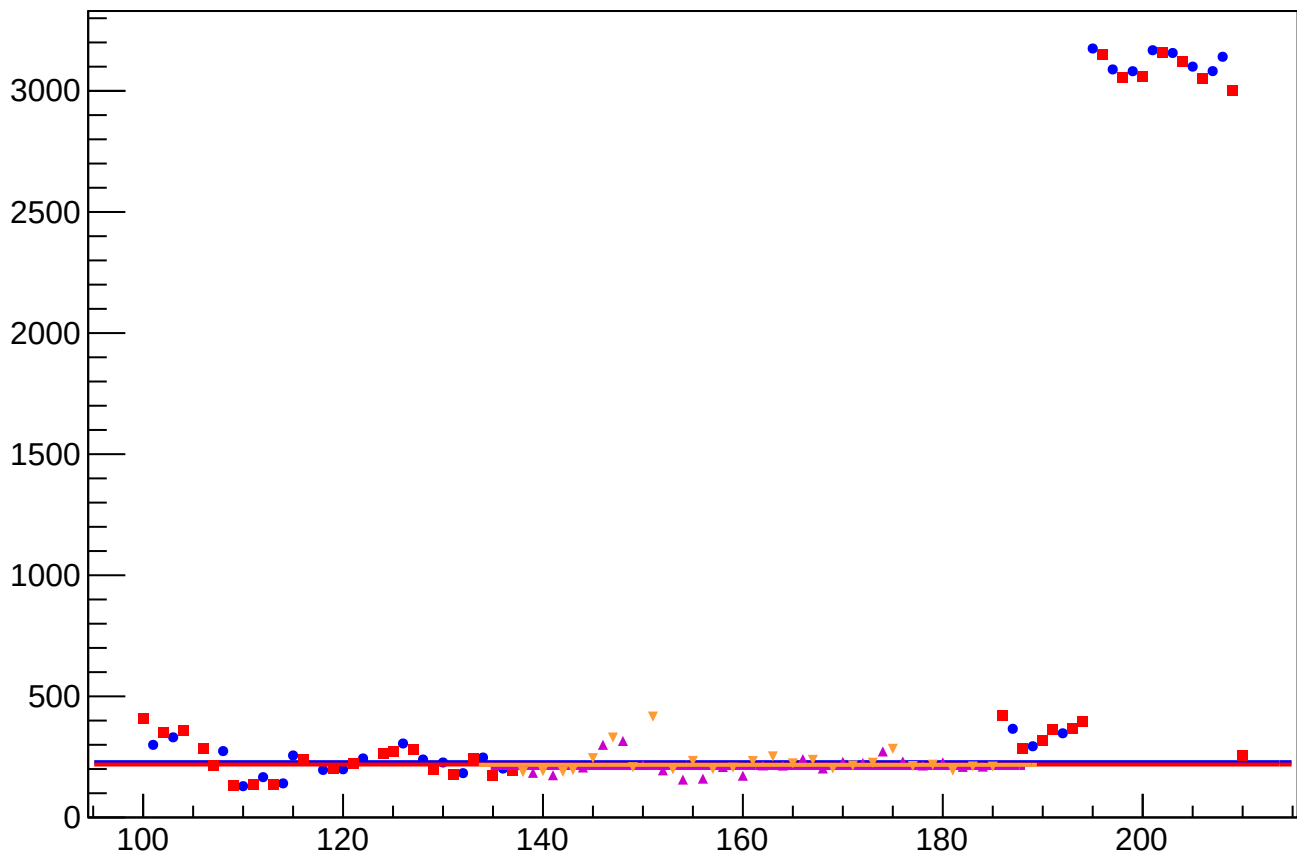
Left In: -379.578 ± 49.183 χ^2/NDF : 1201.2/22

+ sign 373.189 ± 42.115 χ^2/NDF : 3179.1/51

All: 30.792 ± 28.820 χ^2/NDF : 8258.0/107

- sign -270.752 ± 39.523 χ^2/NDF : 4954.6/55

asym_bpm0l06WS_rms vs Slug



Right In: 228.307 $\pm$ 0.054 χ^2 /NDF: 13065257.8/26

Left Out: 217.224 $\pm$ 0.036 χ^2 /NDF: 910445.0/24

Right Out: 218.550 $\pm$ 0.047 χ^2 /NDF: 13126967.1/32

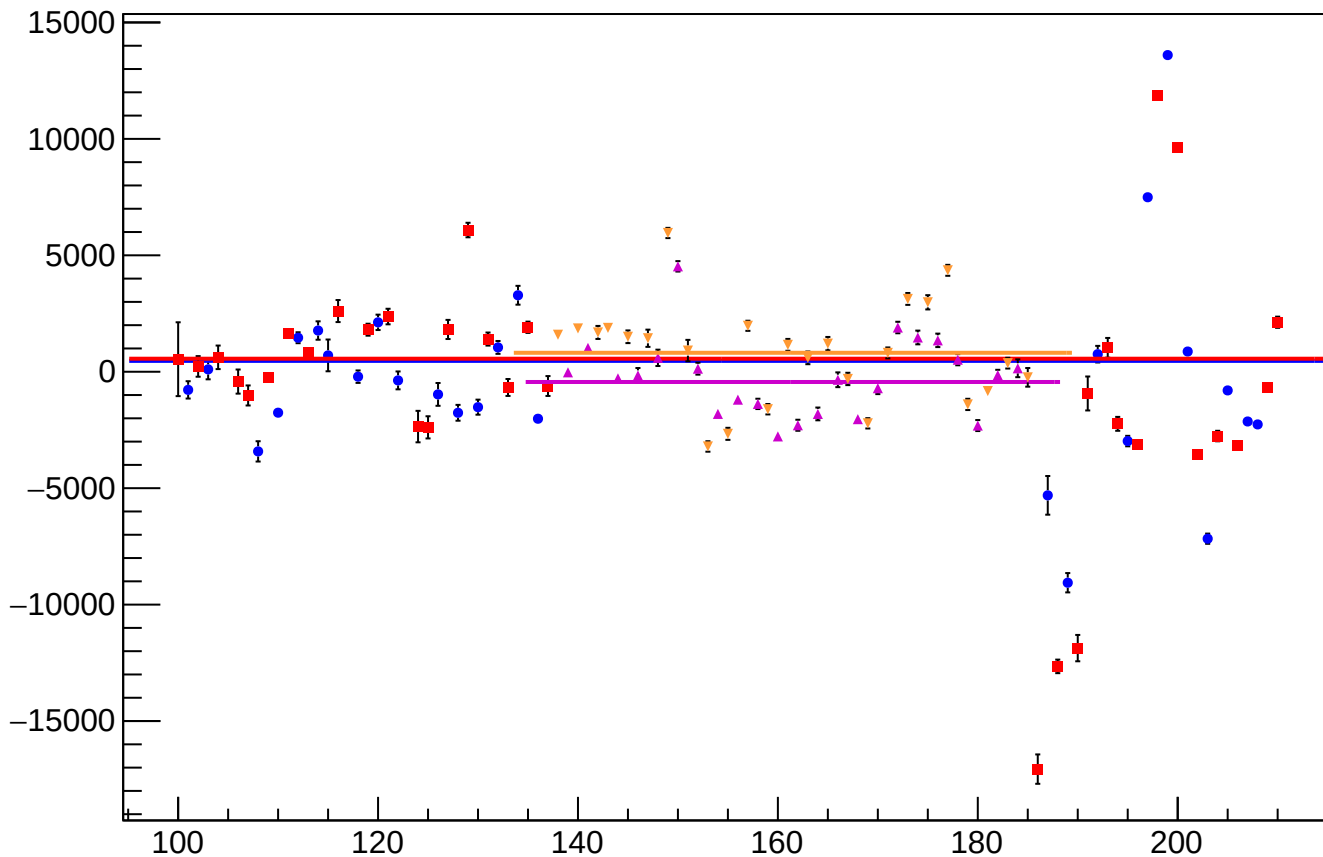
Left In: 204.308 $\pm$ 0.035 χ^2 /NDF: 1015049.0/22

+ sign 220.598 $\pm$ 0.030 χ^2 /NDF: 14005025.4/51

All: 214.619 $\pm$ 0.020 χ^2 /NDF: 28282253.9/10

- sign 209.353 $\pm$ 0.028 χ^2 /NDF: 14201422.7/55

asym_bpm0l07WS_mean vs Slug



Right In: 467.142 $\pm$ 52.401 χ^2 /NDF: 9116.9/26

Left Out: 814.275 $\pm$ 49.760 χ^2 /NDF:2000.4/24

Right Out: 559.718 $\pm$ 48.898 χ^2 /NDF: 10719.4/32

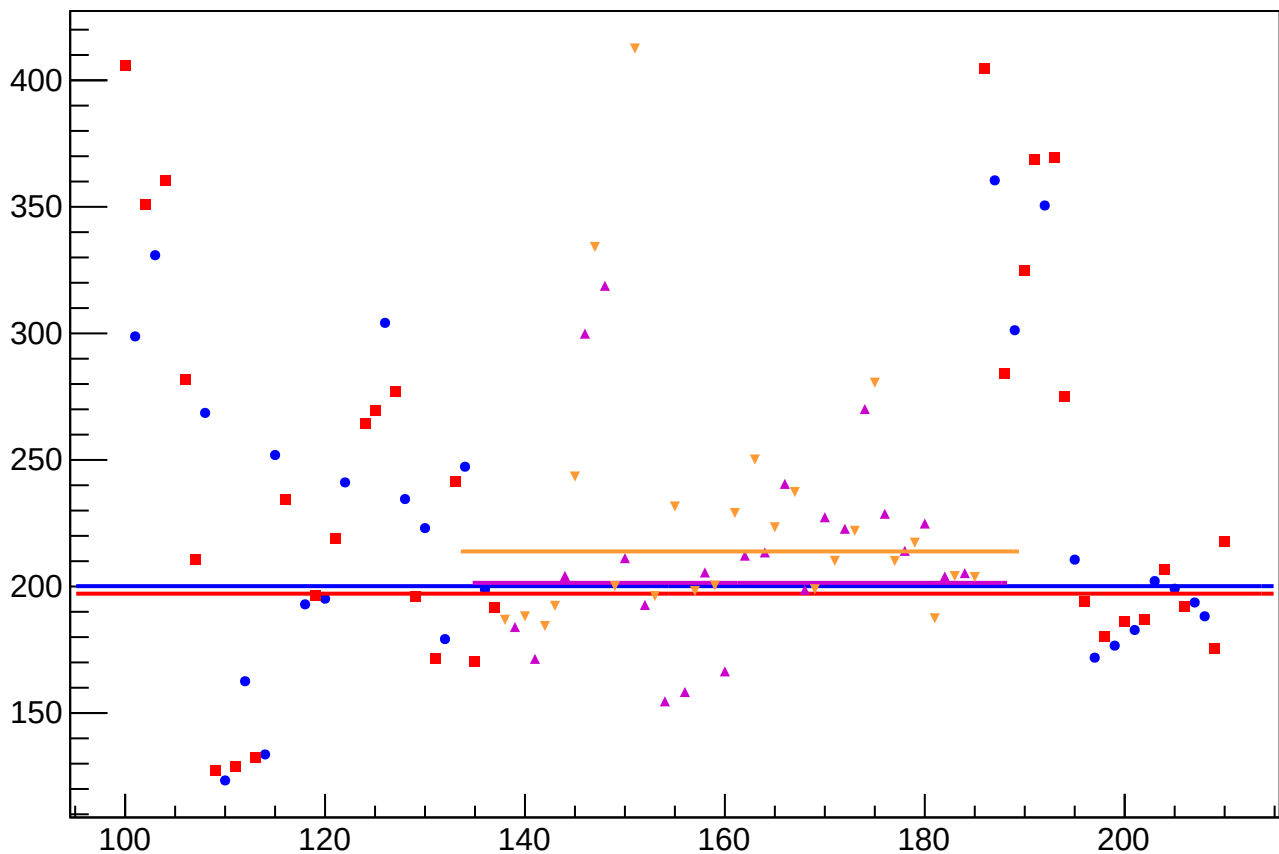
Left In: -439.674 $\pm$ 48.535 χ^2 /NDF:1235.0/22

+ sign 649.675 $\pm$ 36.083 χ^2 /NDF: 11140.4/51

All: 339.234 $\pm$ 24.916 χ^2 /NDF: 23446.6/107

- sign 56.299 $\pm$ 34.447 χ^2 /NDF: 12164.7/55

asym_bpm0l07WS_rms vs Slug



Right In: 200.140 $\pm$ 0.037 χ^2 /NDF: 1610619.4/26

Left Out: 213.848 $\pm$ 0.035 χ^2 /NDF:963582.3/24

Right Out: 197.168 $\pm$ 0.035 χ^2 /NDF: 2678639.6/32

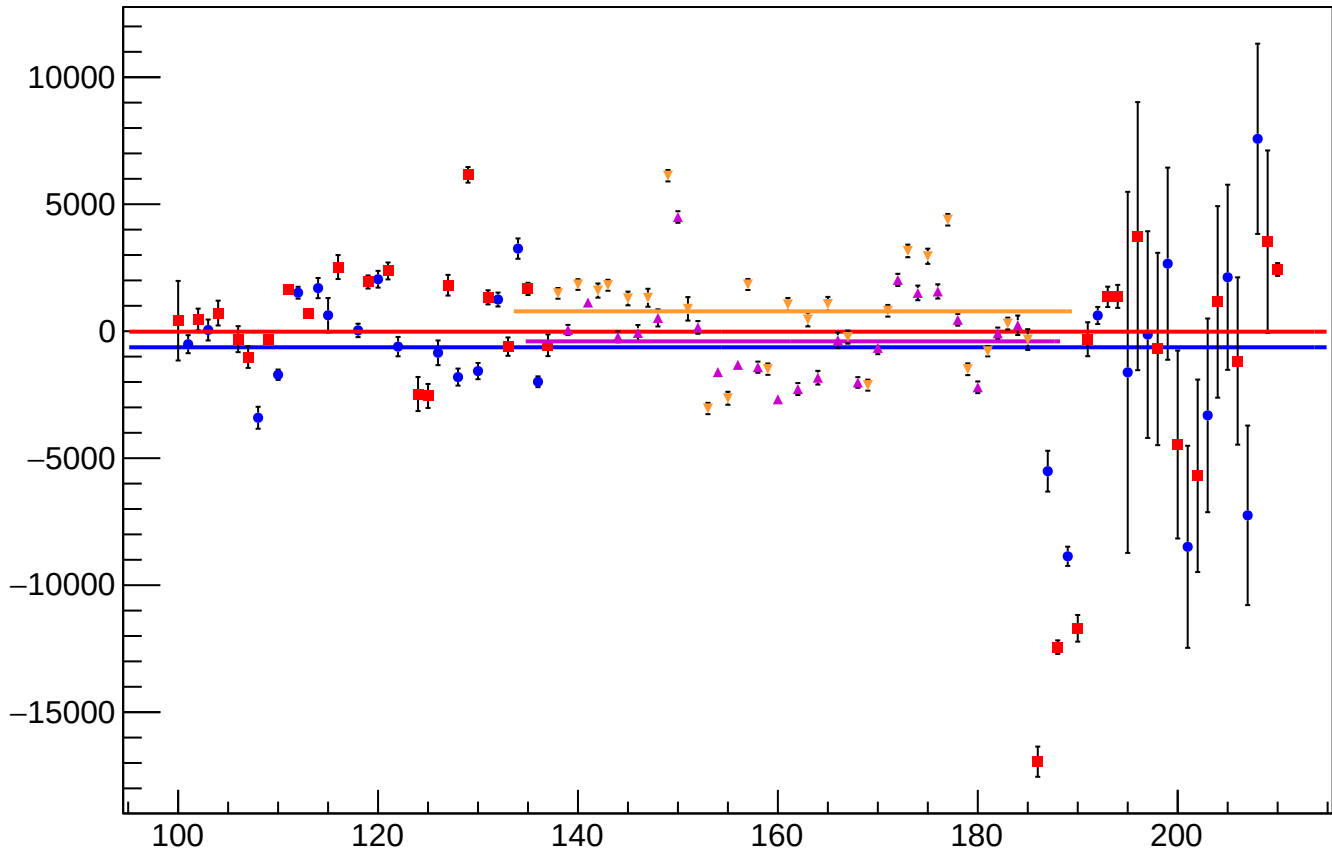
Left In: 201.446 $\pm$ 0.034 χ^2 /NDF:1061972.3/22

+ sign 207.348 $\pm$ 0.026 χ^2 /NDF: 2646168.7/51

All: 203.150 $\pm$ 0.018 χ^2 /NDF: 6446252.6/107

- sign 199.323 $\pm$ 0.024 χ^2 /NDF: 3748320.5/55

asym_bpm0l08WS_mean vs Slug



Right In: -633.171 ± 73.962 χ^2/NDF : 1006.5/26

Left Out: 782.388 ± 49.199 χ^2/NDF : 2001.3/24

Right Out: -18.367 ± 63.290 χ^2/NDF : 4379.4/32

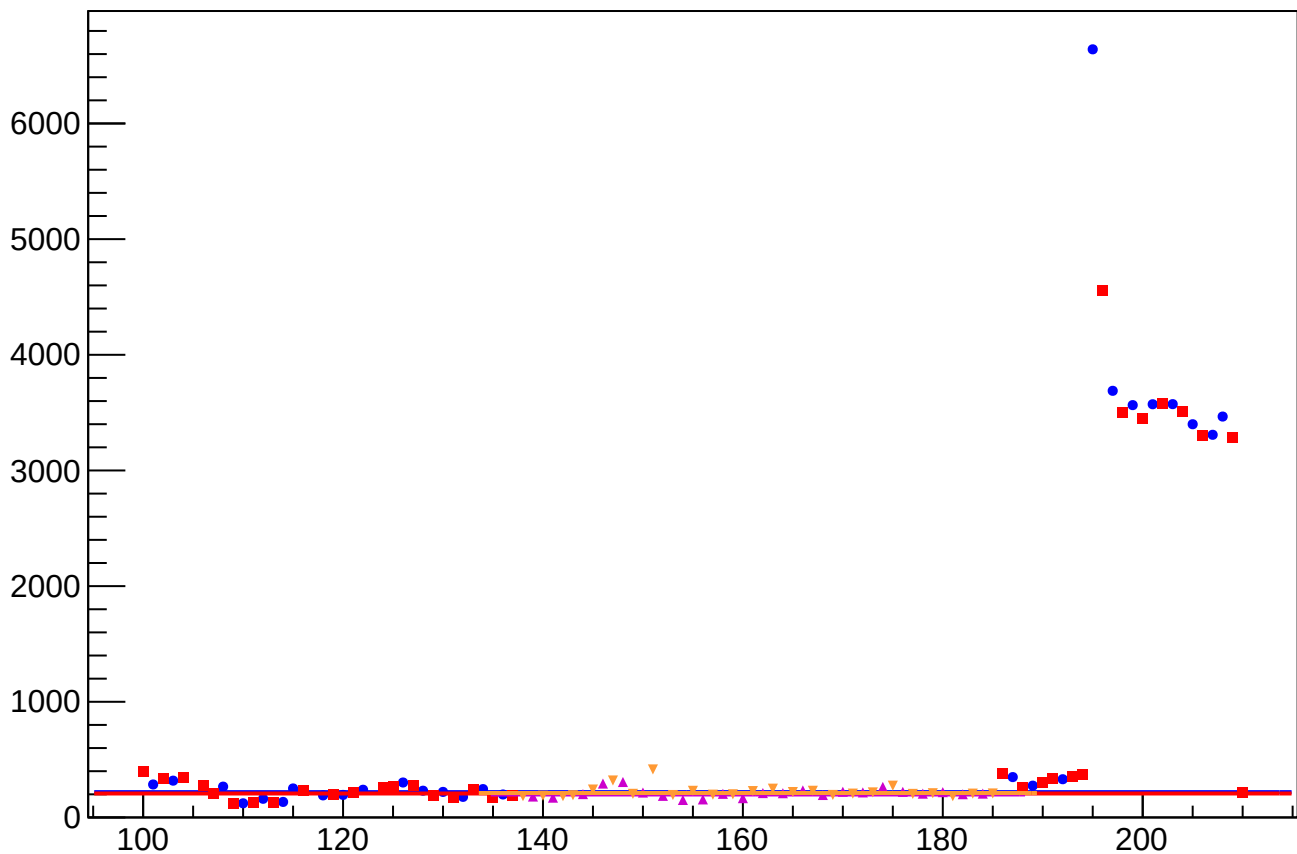
Left In: -399.798 ± 47.819 χ^2/NDF : 1232.0/22

+ sign 348.168 ± 40.964 χ^2/NDF : 3261.7/51

All: 21.870 ± 27.919 χ^2/NDF : 9014.7/107

- sign -261.185 ± 38.153 χ^2/NDF : 5634.5/55

asym_bpm0l08WS_rms vs Slug



Right In: 218.975+/-0.052 χ^2/NDF : 13537238.1/26

Left Out: 211.496+/-0.035 χ^2/NDF : 934978.4/24

Right Out: 207.150+/-0.045 χ^2/NDF : 13376742.6/32

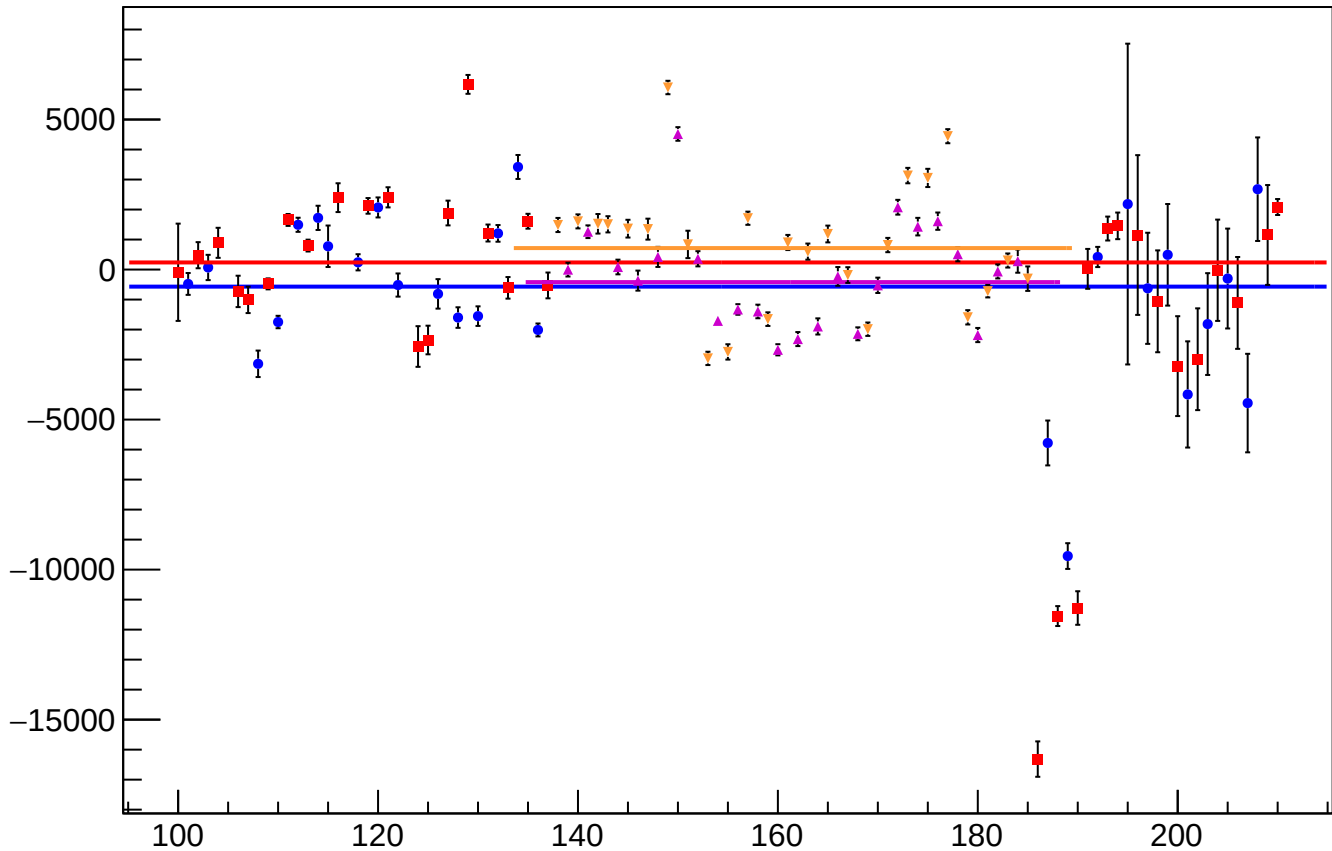
Left In: 198.524+/-0.034 χ^2/NDF : 1006458.6/22

+ sign 213.790+/-0.029 χ^2/NDF : 14486393.4/51

All: 207.294+/-0.020 χ^2/NDF : 28987161.0/10

- sign 201.659+/-0.027 χ^2/NDF : 14406851.5/55

asym_bpm0l09WS_mean vs Slug



Right In: -568.737 ± 74.785 $\chi^2/\text{NDF}: 967.5/26$

Left Out: 715.643 ± 51.110 $\chi^2/\text{NDF}: 1918.0/24$

Right Out: 236.878 ± 64.935 $\chi^2/\text{NDF}: 3218.9/32$

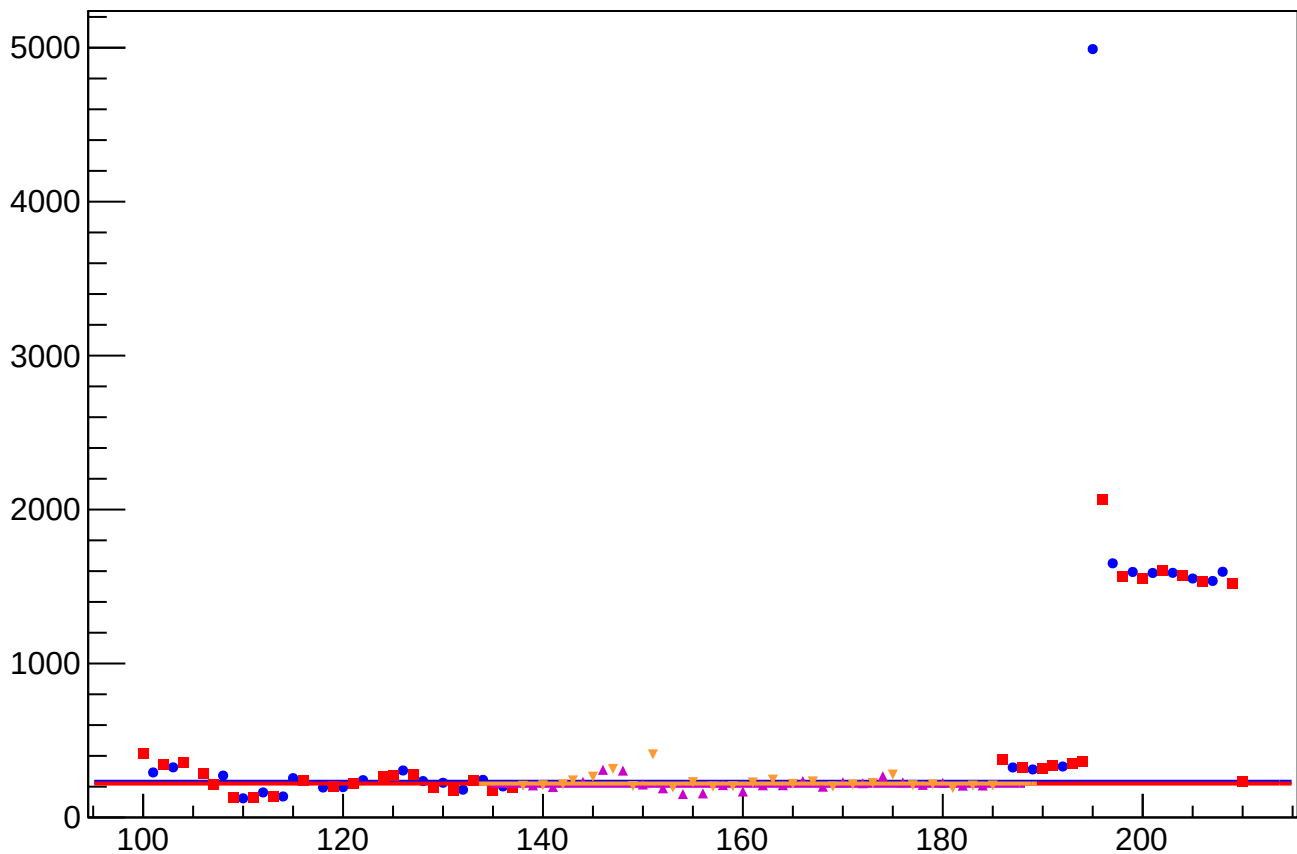
Left In: -418.574 ± 49.523 $\chi^2/\text{NDF}: 1241.0/22$

+ sign 306.737 ± 42.197 $\chi^2/\text{NDF}: 3086.5/51$

All: 47.888 ± 28.789 $\chi^2/\text{NDF}: 7681.2/107$

- sign -177.534 ± 39.378 $\chi^2/\text{NDF}: 4524.3/55$

asym_bpm0l09WS_rms vs Slug



Right In: 231.984 $\pm$ 0.053 χ^2 /NDF: 11770907.9/26

Left Out: 220.145 $\pm$ 0.036 χ^2 /NDF: 799699.4/24

Right Out: 220.138 $\pm$ 0.046 χ^2 /NDF: 11587823.8/32

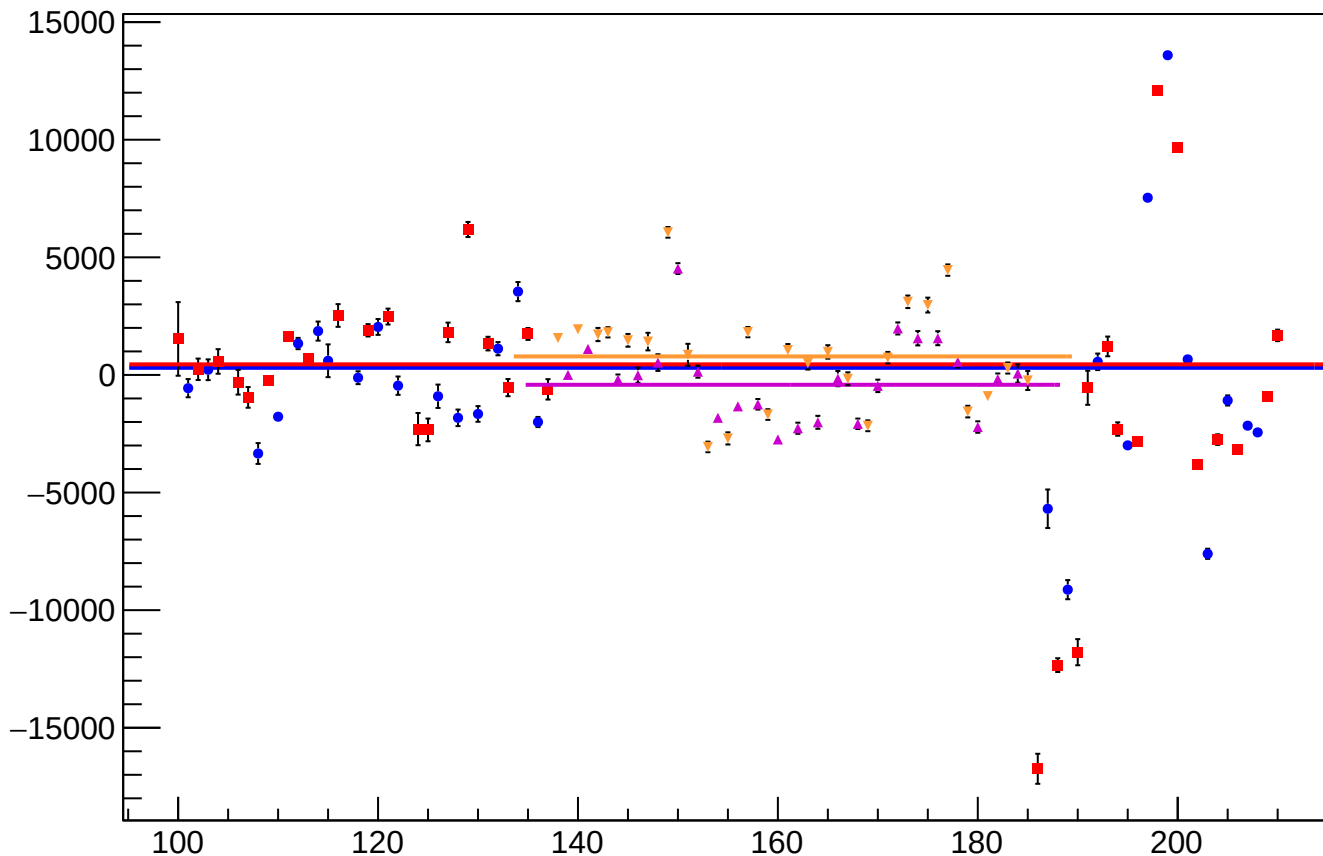
Left In: 205.481 $\pm$ 0.035 χ^2 /NDF: 1013965.4/22

+ sign 223.914 $\pm$ 0.030 χ^2 /NDF: 12604770.1/51

All: 216.943 $\pm$ 0.020 χ^2 /NDF: 25373109.3/10

- sign 210.871 $\pm$ 0.028 χ^2 /NDF: 12666206.4/55

asym_bpm0l10WS_mean vs Slug



Right In: 303.435 ± 52.937 χ^2/NDF : 9111.3/26

Left Out: 786.922 ± 50.524 χ^2/NDF : 1937.6/24

Right Out: 449.790 ± 49.693 χ^2/NDF : 10354.1/32

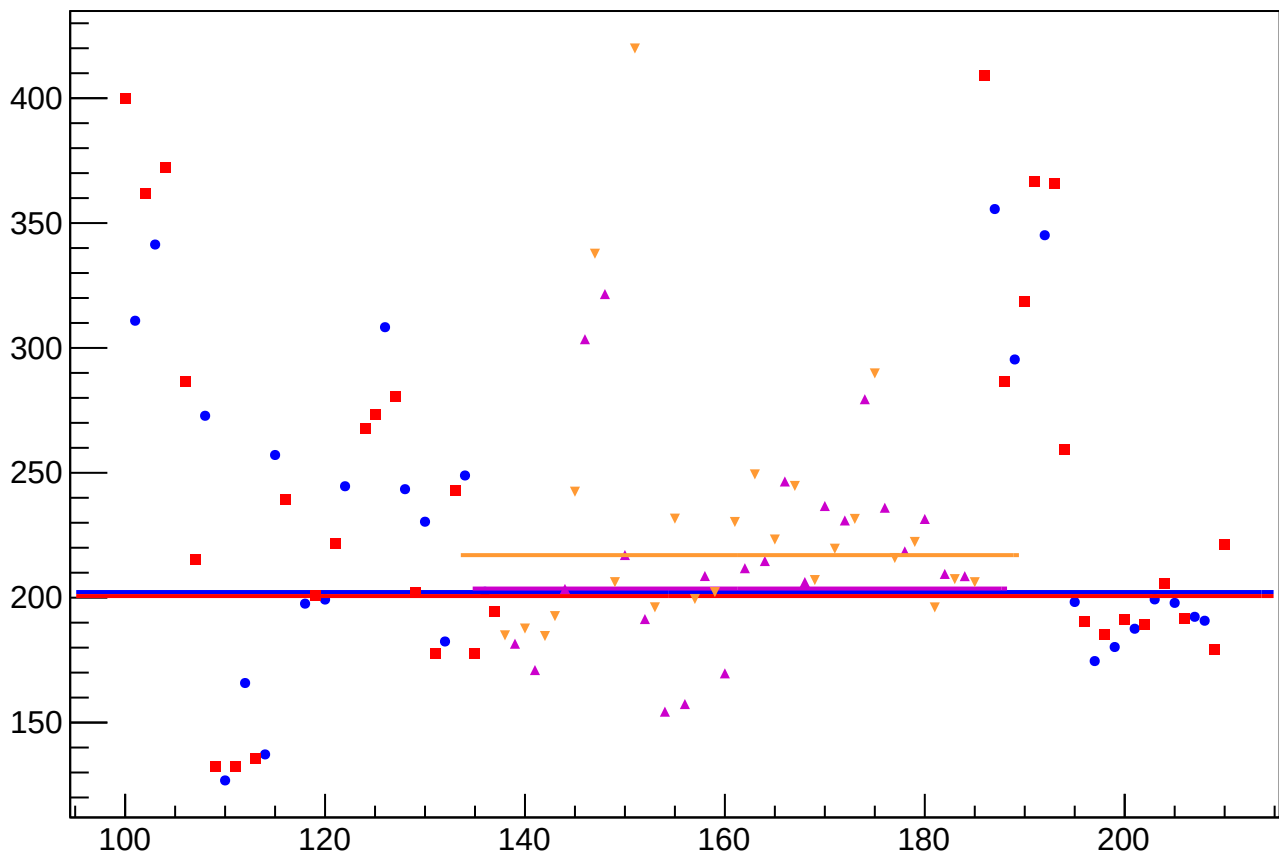
Left In: -418.824 ± 49.152 χ^2/NDF : 1211.0/22

+ sign 556.450 ± 36.549 χ^2/NDF : 11092.5/51

All: 271.352 ± 25.258 χ^2/NDF : 22928.5/107

- sign 10.728 ± 34.945 χ^2/NDF : 11719.5/55

asym_bpm0l10WS_rms vs Slug



Right In: 202.266 $\pm$ 0.037 χ^2 /NDF: 1560153.1/26

Left Out: 217.040 $\pm$ 0.036 χ^2 /NDF: 983170.6/24

Right Out: 200.650 $\pm$ 0.035 χ^2 /NDF: 2519022.1/32

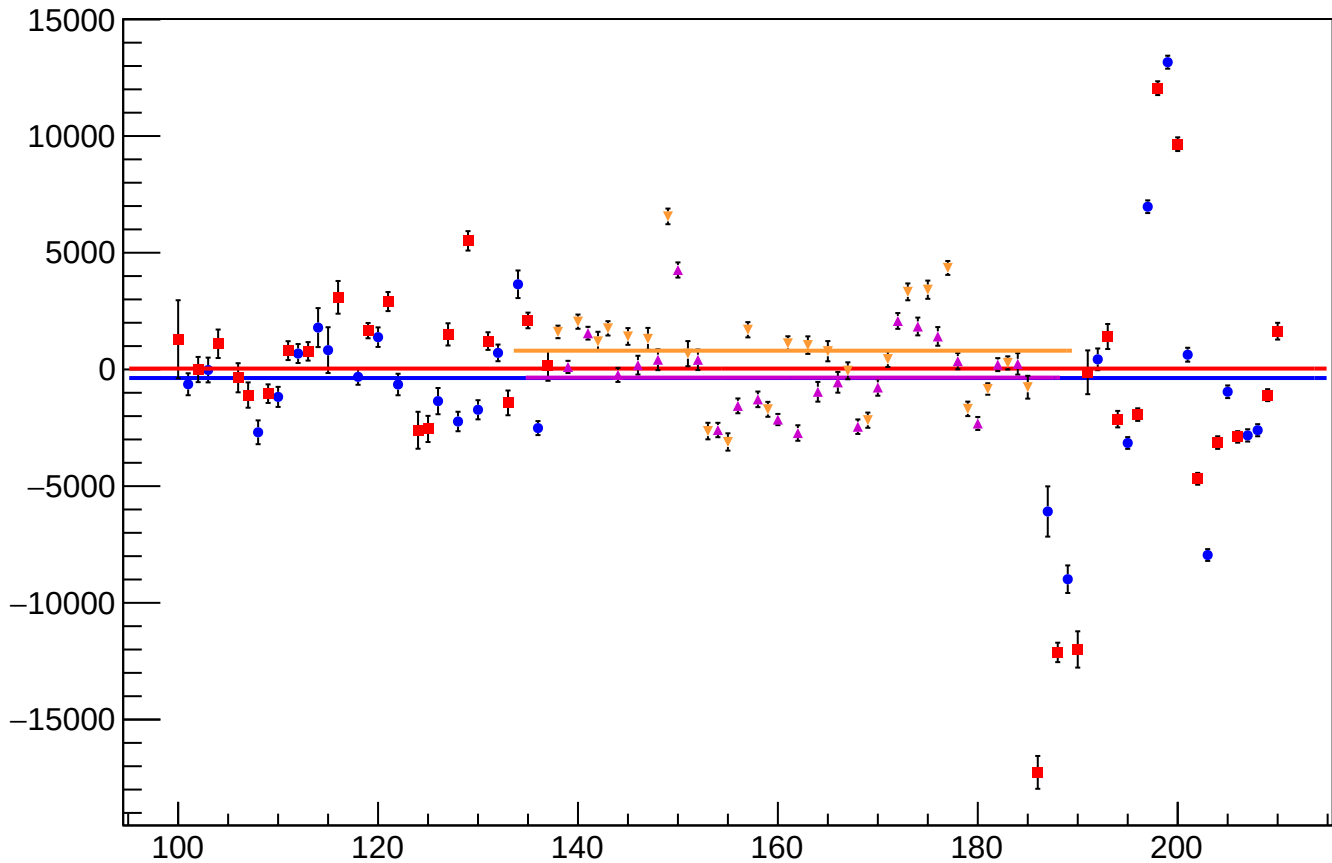
Left In: 203.660 $\pm$ 0.035 χ^2 /NDF: 1165334.8/22

+ sign 209.997 $\pm$ 0.026 χ^2 /NDF: 2624843.9/51

All: 205.909 $\pm$ 0.018 χ^2 /NDF: 6360810.7/107

- sign 202.172 $\pm$ 0.025 χ^2 /NDF: 3688065.4/55

asym_bpm0r03WS_mean vs Slug



Right In: -368.431 ± 70.392 $\chi^2/\text{NDF}: 4717.7/26$

Left Out: 803.752 ± 67.693 $\chi^2/\text{NDF}: 1057.7/24$

Right Out: 37.450 ± 68.534 $\chi^2/\text{NDF}: 5564.9/32$

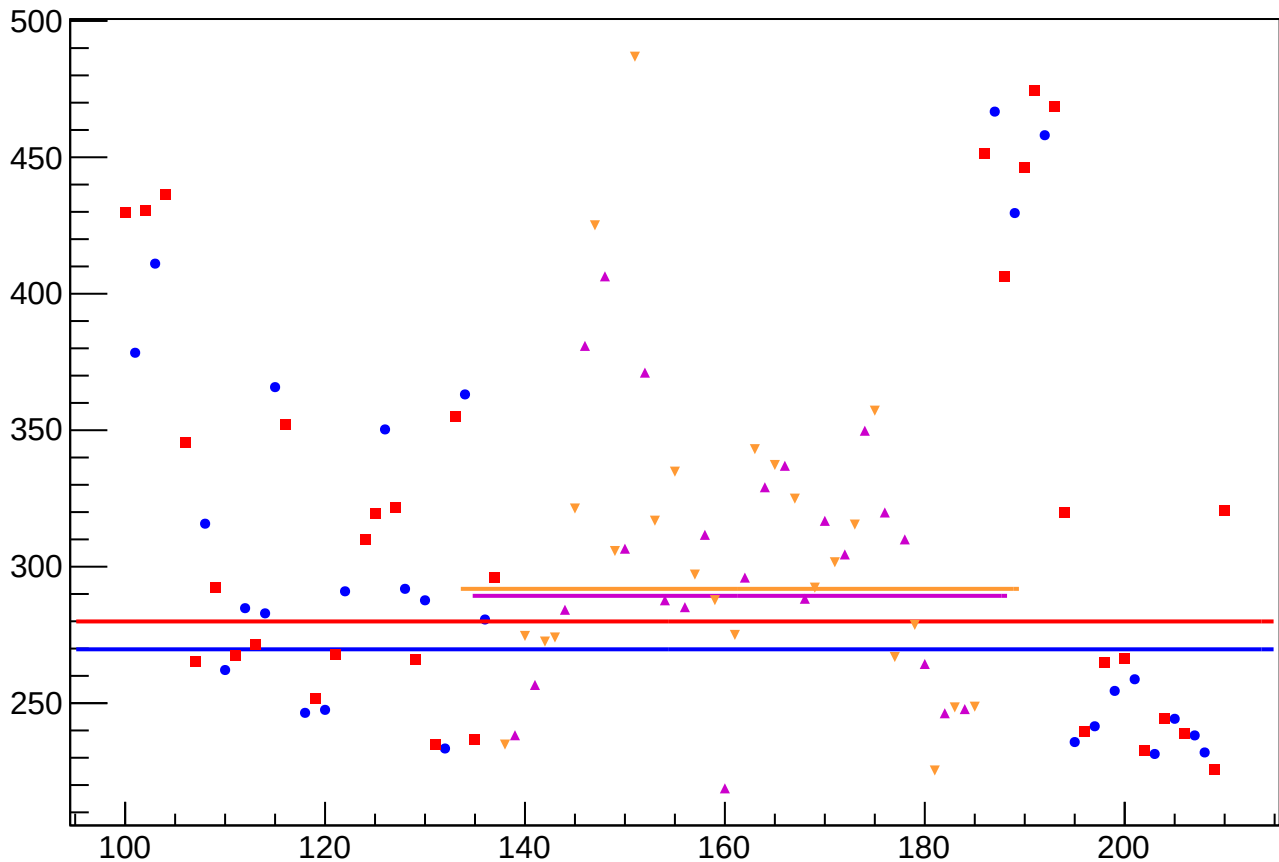
Left In: -350.095 ± 68.985 $\chi^2/\text{NDF}: 656.1/22$

+ sign 240.561 ± 48.792 $\chi^2/\text{NDF}: 5919.5/51$

All: 42.052 ± 34.440 $\chi^2/\text{NDF}: 12189.3/107$

- sign -155.054 ± 48.620 $\chi^2/\text{NDF}: 6236.8/55$

asym_bpm0r03WS_rms vs Slug



Right In: 269.728 $\pm$ 0.050 χ^2 /NDF: 1172222.4/26

Left Out: 291.882 $\pm$ 0.048 χ^2 /NDF: 959919.3/24

Right Out: 279.941 $\pm$ 0.048 χ^2 /NDF: 1584462.5/32

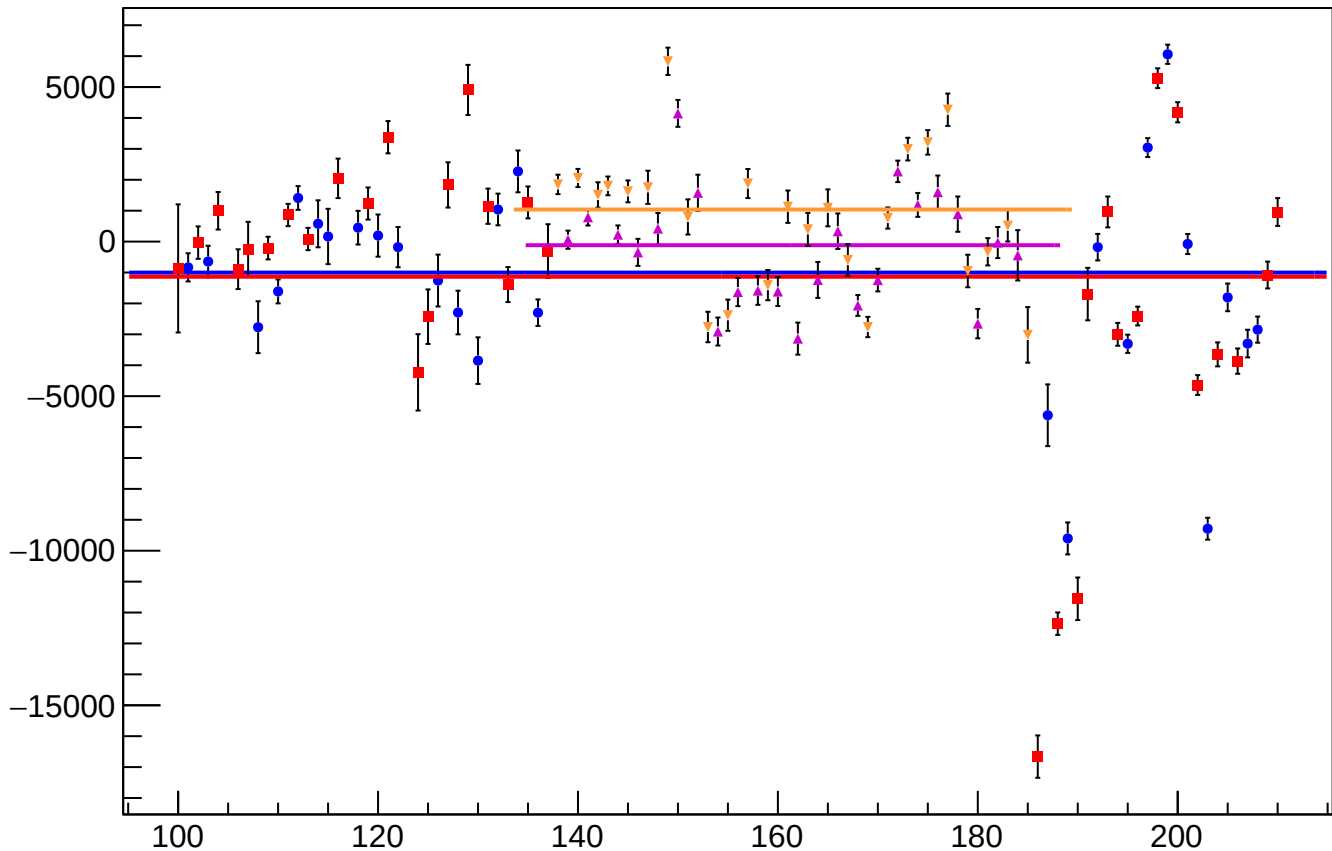
Left In: 289.321 $\pm$ 0.049 χ^2 /NDF: 808605.3/22

+ sign 281.238 $\pm$ 0.035 χ^2 /NDF: 2235062.5/51

All: 282.925 $\pm$ 0.024 χ^2 /NDF: 4651505.2/107

- sign 284.600 $\pm$ 0.034 χ^2 /NDF: 2411678.7/55

asym_bpm0r05WS_mean vs Slug



Right In: -1003.243 ± 88.852 χ^2/NDF : 1788.0/26

Left Out: 1037.330 ± 85.200 χ^2/NDF : 570.2/24

Right Out: -1136.578 ± 82.572 χ^2/NDF : 2959.1/32

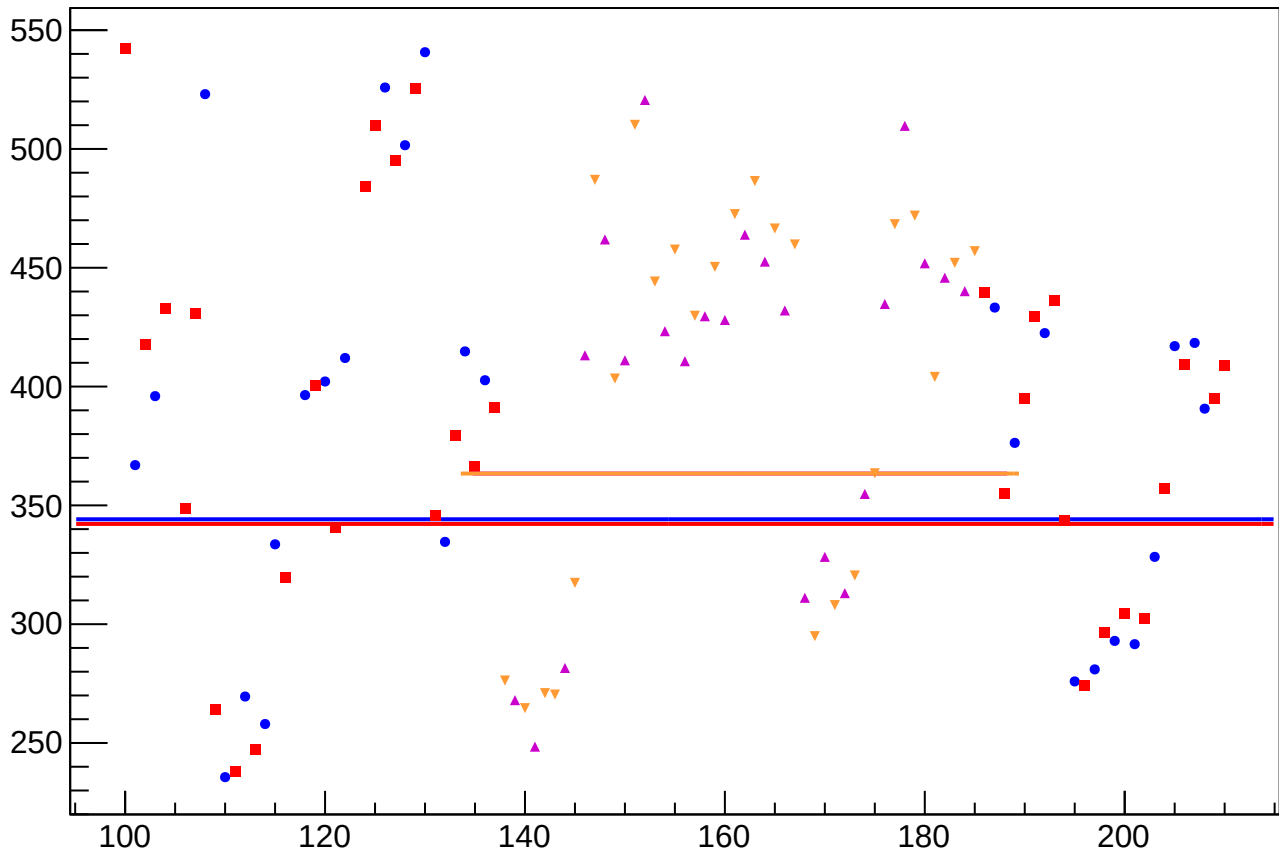
Left In: -117.211 ± 87.461 χ^2/NDF : 370.4/22

+ sign 59.843 ± 61.496 χ^2/NDF : 2633.0/51

All: -306.739 ± 42.961 χ^2/NDF : 6103.7/107

- sign -656.181 ± 60.041 χ^2/NDF : 3401.3/55

asym_bpm0r05WS_rms vs Slug



Right In: 344.147+/-0.063 χ^2/NDF : 1344096.0/26

Left Out: 363.387+/-0.060 χ^2/NDF :1940497.4/24

Right Out: 342.186+/-0.058 χ^2/NDF : 1332001.0/32

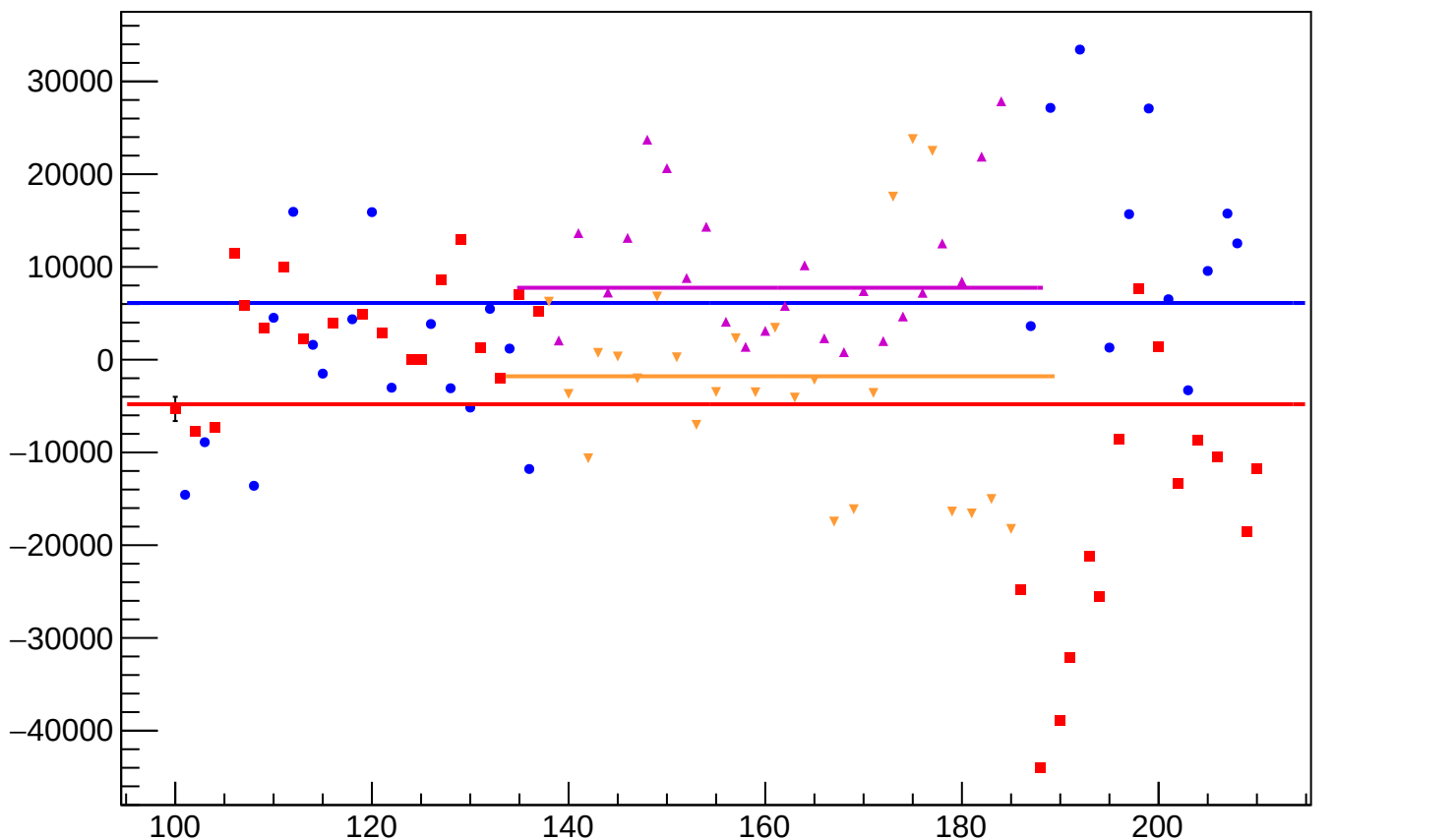
Left In: 363.386+/-0.062 χ^2/NDF :1711599.2/22

+ sign 354.170+/-0.043 χ^2/NDF : 3333451.1/51

All: 353.150+/-0.030 χ^2/NDF : 6440258.7/107

- sign 352.177+/-0.042 χ^2/NDF : 3105731.9/55

asym_bpm0i02WS_mean vs Slug



Right In: 6114.570+/-40.982 χ^2/NDF : 93550.3/26

Left Out: -1790.289+/-40.910 χ^2/NDF : 65745.9/24

Right Out: -4800.326+/-38.239 χ^2/NDF : 143381.3/32

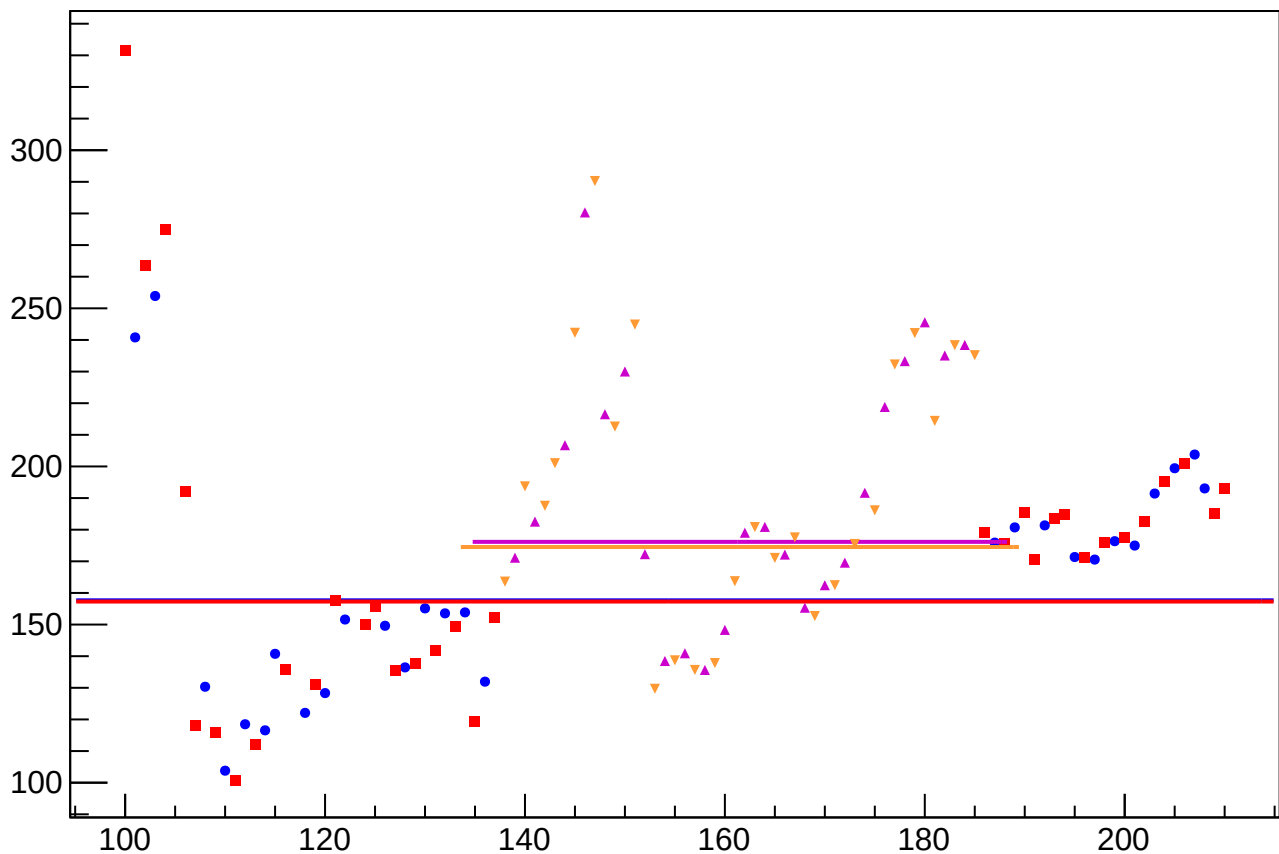
Left In: 7754.468+/-42.571 χ^2/NDF : 23278.0/22

+ sign 2155.154+/-28.953 χ^2/NDF : 177931.2/51

All: 1468.673+/-20.292 χ^2/NDF : 393831.5/10

- sign 805.955+/-28.448 χ^2/NDF : 214795.4/55

asym_bpm0i02WS_rms vs Slug



Right In: 157.667 $\pm$ 0.029 χ^2 /NDF: 1290978.0/26

Left Out: 174.520 $\pm$ 0.029 χ^2 /NDF: 1659469.6/24

Right Out: 157.280 $\pm$ 0.027 χ^2 /NDF: 1712288.9/32

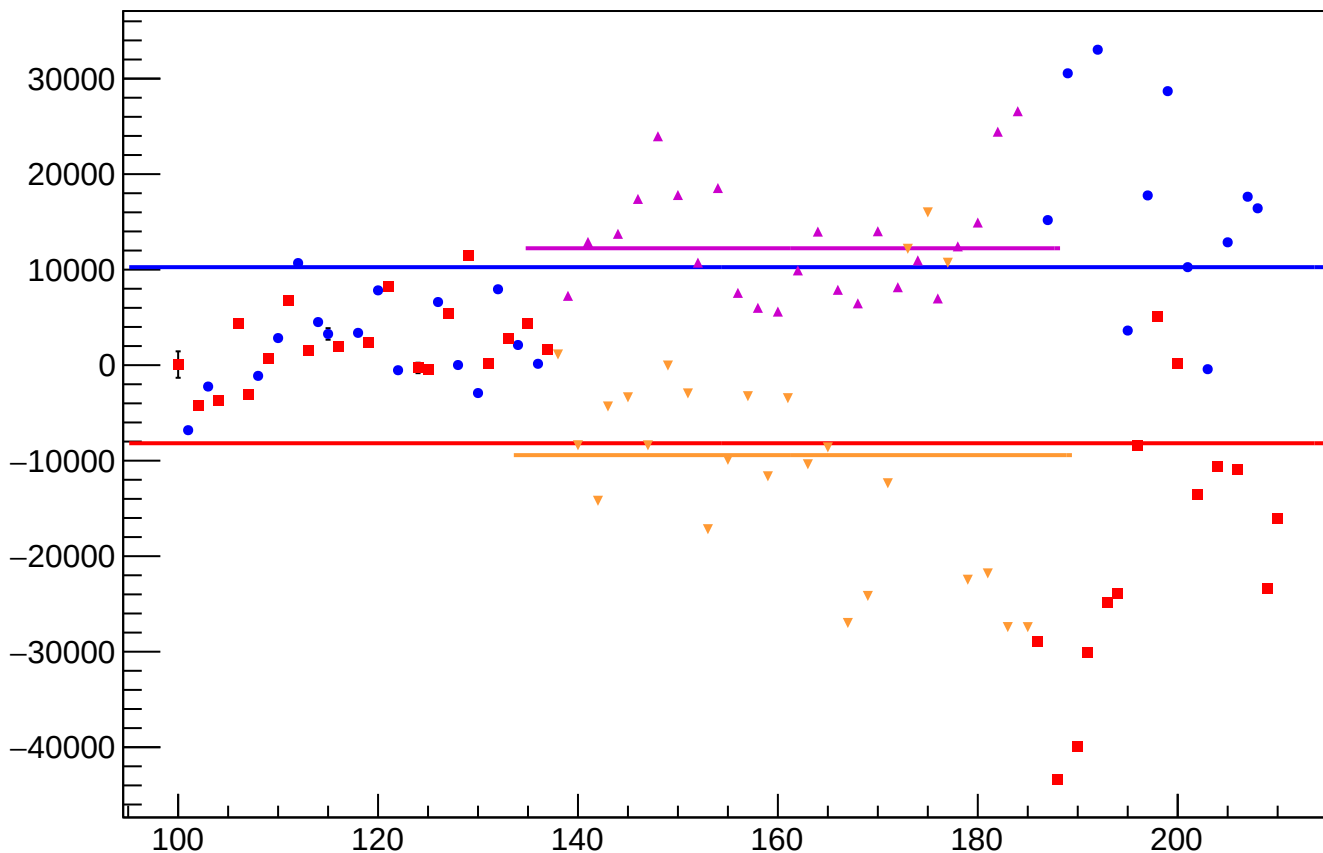
Left In: 176.155 $\pm$ 0.030 χ^2 /NDF: 1367059.2/22

+ sign 166.109 $\pm$ 0.020 χ^2 /NDF: 3119857.9/51

All: 165.905 $\pm$ 0.014 χ^2 /NDF: 6416985.1/107

- sign 165.708 $\pm$ 0.020 χ^2 /NDF: 3296932.6/55

asym_bpm0i02aWS_mean vs Slug



Right In: 10259.986 $\pm$ 45.655 χ^2 /NDF: 53859.4/26

Left Out: -9420.181 $\pm$ 45.698 χ^2 /NDF:64719.0/24

Right Out: -8175.200 $\pm$ 42.178 χ^2 /NDF: 114621.7/32

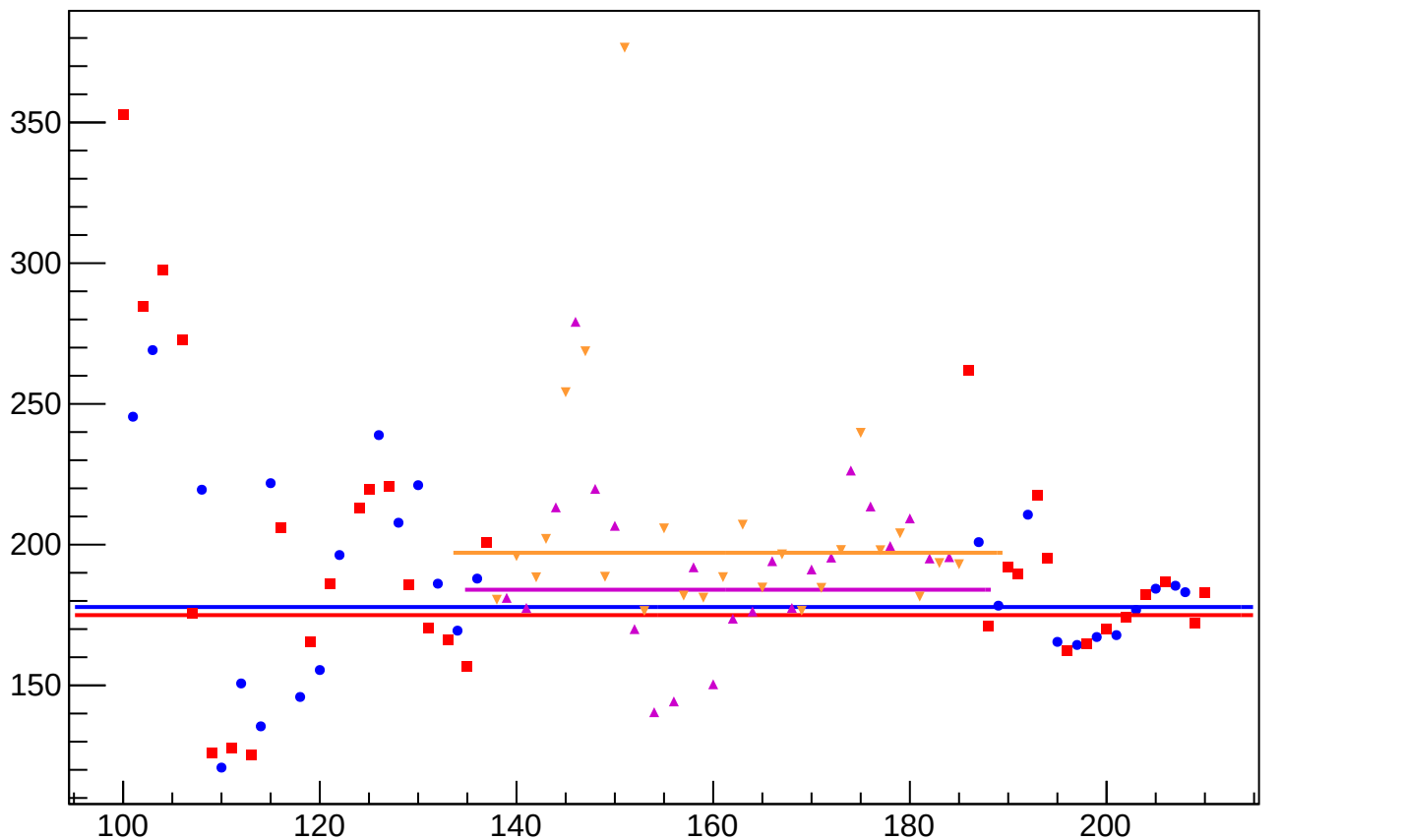
Left In: 12238.678 $\pm$ 44.195 χ^2 /NDF:16015.8/22

+ sign 429.135 $\pm$ 32.298 χ^2 /NDF: 211398.6/51

All: 1024.215 $\pm$ 22.180 χ^2 /NDF: 454335.6/10

- sign 1555.315 $\pm$ 30.513 χ^2 /NDF: 242294.6/55

asym_bpm0i02aWS_rms vs Slug



Right In: 177.837+/-0.032 χ^2/NDF : 767214.0/26

Left Out: 197.122+/-0.032 χ^2/NDF : 732529.8/24

Right Out: 174.958+/-0.030 χ^2/NDF : 1209840.5/32

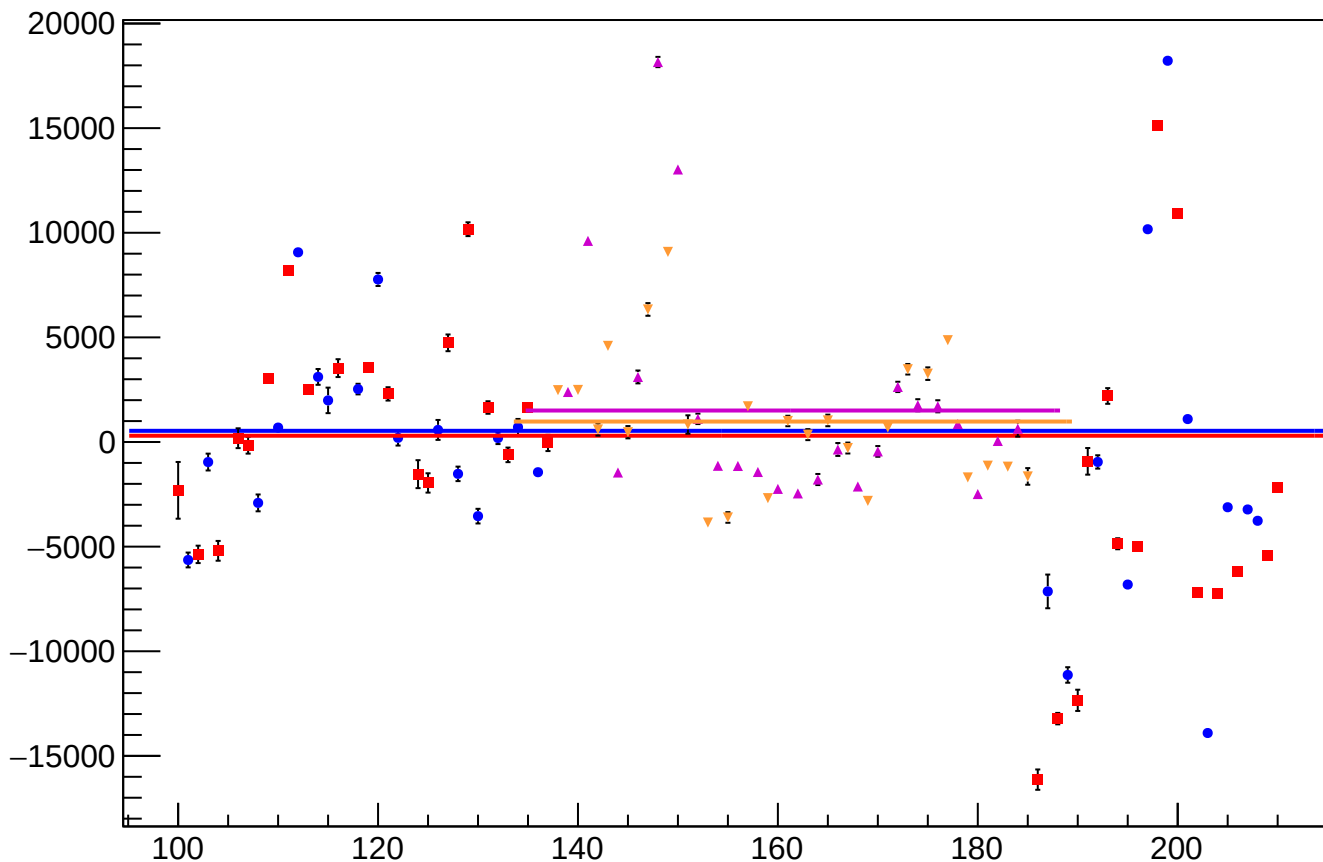
Left In: 183.985+/-0.031 χ^2/NDF : 829778.1/22

+ sign 187.471+/-0.023 χ^2/NDF : 1678003.7/51

All: 183.133+/-0.016 χ^2/NDF : 3829568.9/107

- sign 179.261+/-0.022 χ^2/NDF : 2083286.4/55

asym_bpm0i05WS_mean vs Slug



Right In: 534.773+/-51.402 χ^2/NDF : 21456.6/26

Left Out: 978.429+/-49.607 χ^2/NDF : 4322.9/24

Right Out: 300.524+/-47.469 χ^2/NDF : 21944.7/32

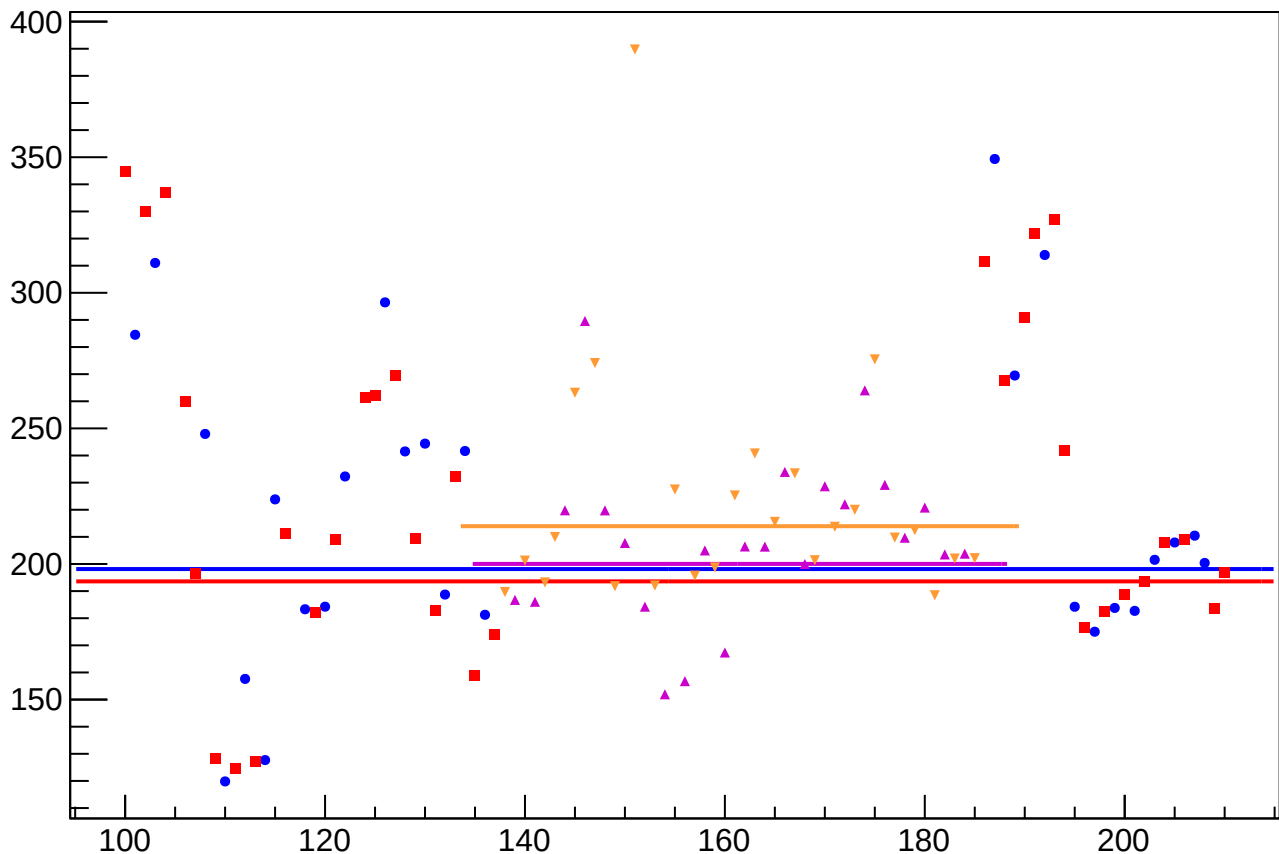
Left In: 1505.093+/-48.051 χ^2/NDF : 11480.6/22

+ sign 764.483+/-35.695 χ^2/NDF : 25818.1/51

All: 833.605+/-24.531 χ^2/NDF : 59568.5/107

- sign 895.470+/-33.769 χ^2/NDF : 33743.3/55

asym_bpm0i05WS_rms vs Slug



Right In: 198.132 $\pm$ 0.036 χ^2 /NDF: 1451723.3/26

Left Out: 213.931 $\pm$ 0.035 χ^2 /NDF: 733638.6/24

Right Out: 193.586 $\pm$ 0.034 χ^2 /NDF: 2259810.6/32

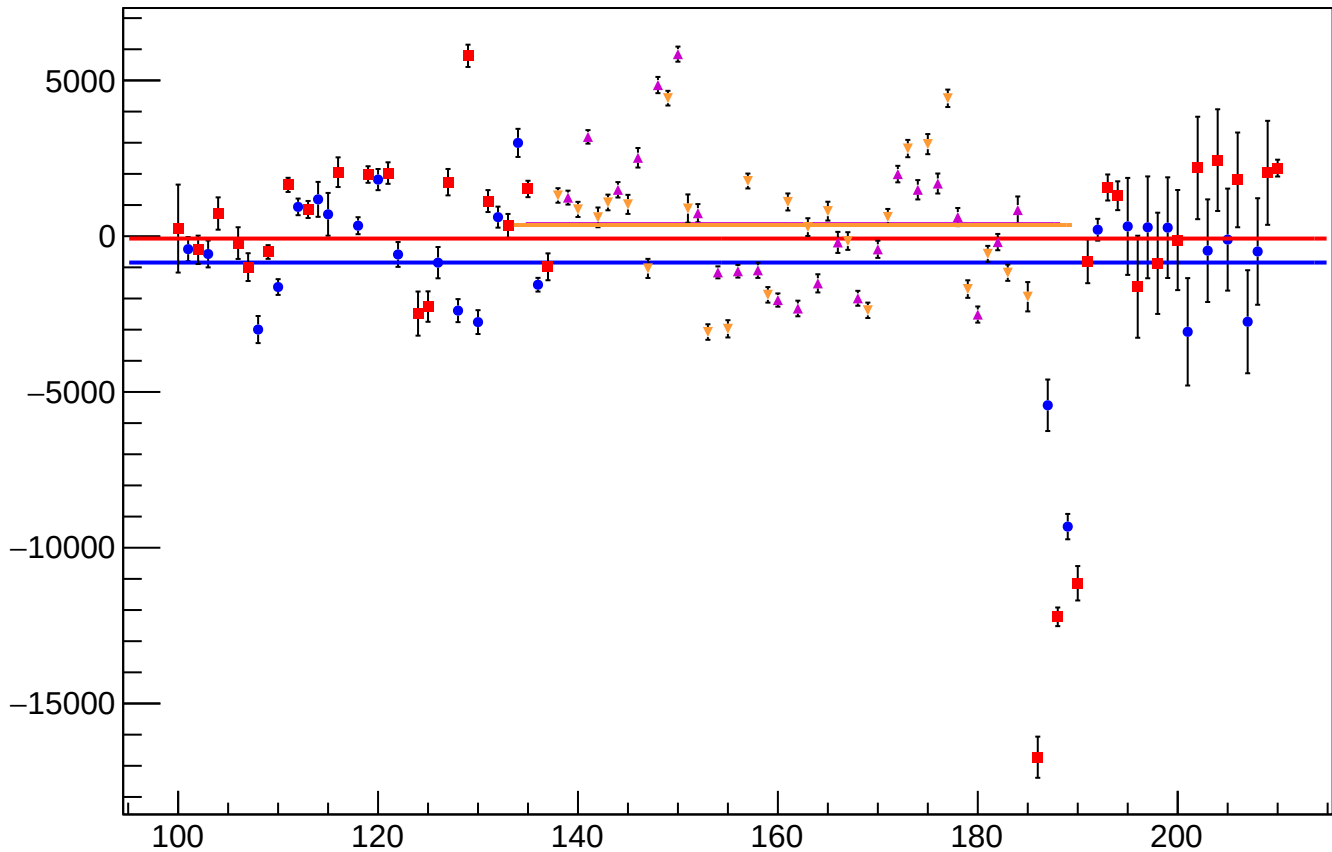
Left In: 200.031 $\pm$ 0.034 χ^2 /NDF: 785525.4/22

+ sign 206.312 $\pm$ 0.025 χ^2 /NDF: 2283197.3/51

All: 201.276 $\pm$ 0.017 χ^2 /NDF: 5422178.2/107

- sign 196.769 $\pm$ 0.024 χ^2 /NDF: 3063544.5/55

asym_bpm0i07WS_mean vs Slug



Right In: -845.946 ± 81.195 χ^2/NDF : 801.1/26

Left Out: 358.680 ± 54.992 χ^2/NDF : 1418.9/24

Right Out: -76.020 ± 71.042 χ^2/NDF : 3353.0/32

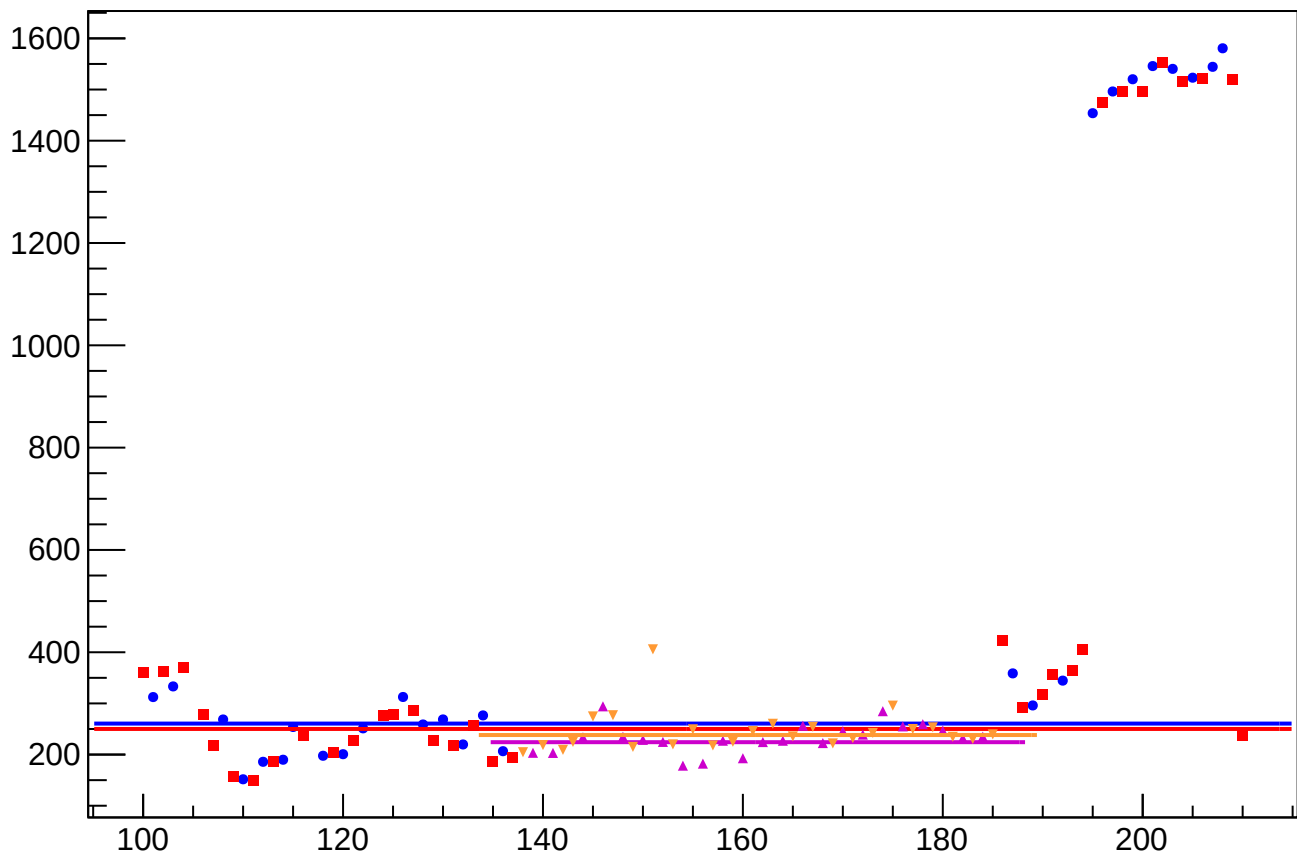
Left In: 386.941 ± 53.528 χ^2/NDF : 1804.2/22

+ sign -20.126 ± 45.532 χ^2/NDF : 2370.8/51

All: 107.113 ± 31.166 χ^2/NDF : 7569.8/107

- sign 219.287 ± 42.751 χ^2/NDF : 5184.3/55

asym_bpm0i07WS_rms vs Slug



Right In: 260.570 ± 0.057 χ^2/NDF : 10594035.2/26

Left Out: 238.199 ± 0.039 χ^2/NDF : 567935.3/24

Right Out: 250.091 ± 0.050 χ^2/NDF : 10529777.9/32

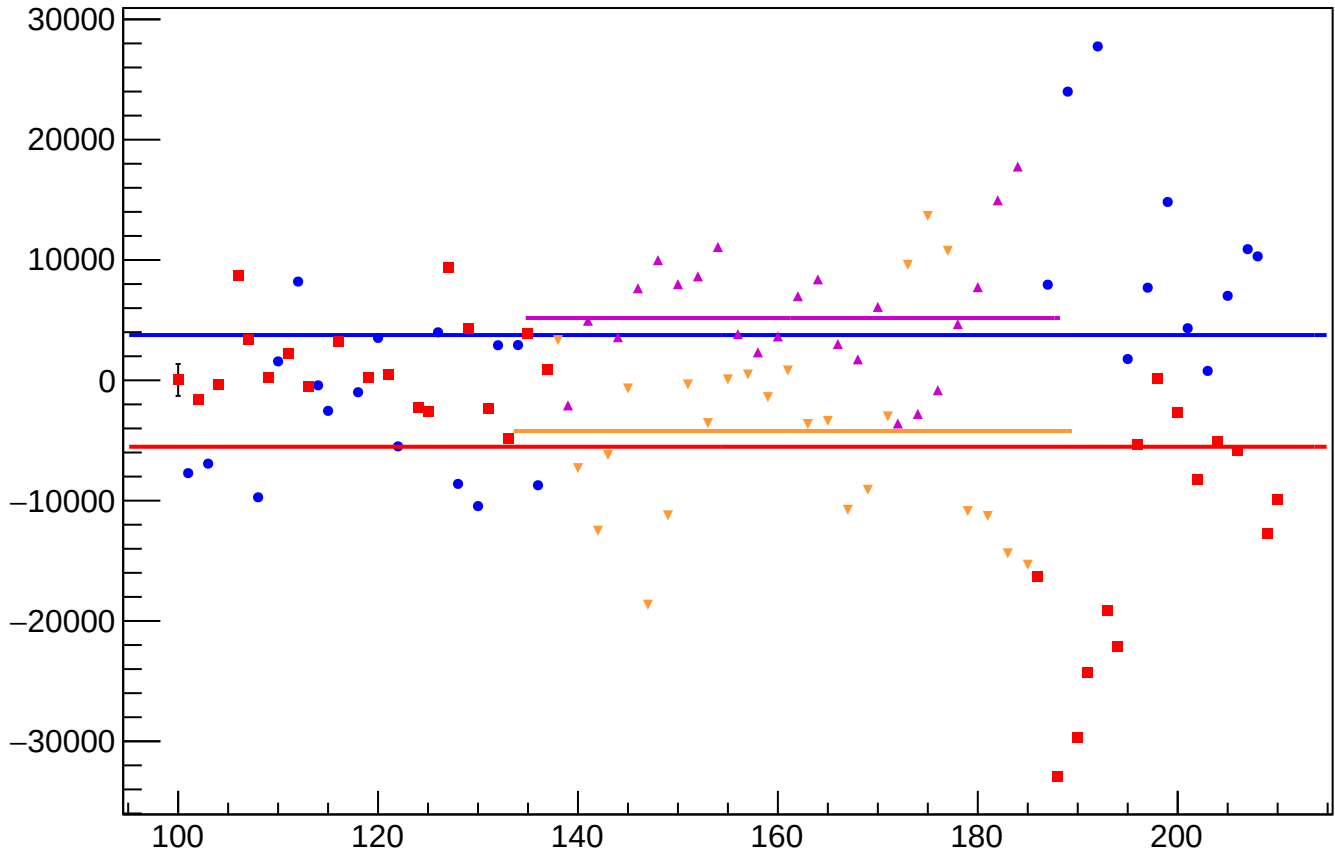
Left In: 224.212 ± 0.038 χ^2/NDF : 563231.1/22

+ sign 245.234 ± 0.032 χ^2/NDF : 11266051.4/51

All: 239.042 ± 0.022 χ^2/NDF : 22597942.6/10

- sign 233.584 ± 0.030 χ^2/NDF : 11262300.5/55

asym_bpm1i02WS_mean vs Slug



Right In: 3761.806 $\pm$ 34.789 χ^2 /NDF: 79372.0/26

Left Out: -4210.601 $\pm$ 30.828 χ^2 /NDF: 56802.7/24

+ sign -703.858 $\pm$ 23.073 χ^2 /NDF: 165591.5/51

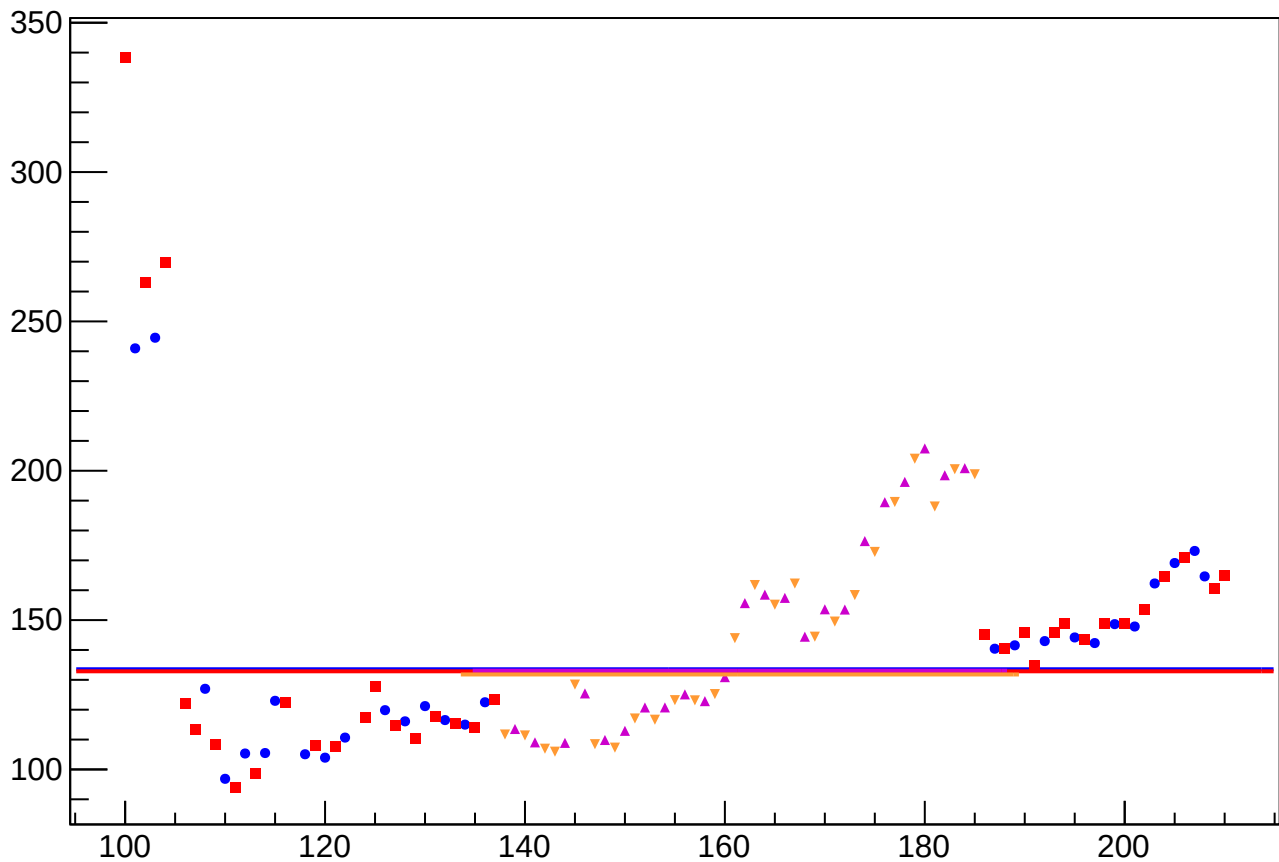
Right Out: -5519.790 $\pm$ 32.287 χ^2 /NDF: 105304.6/32

All: -406.363 $\pm$ 16.188 χ^2 /NDF: 345201.7/10

Left In: 5178.213 $\pm$ 31.969 χ^2 /NDF: 18541.3/22

- sign -117.969 $\pm$ 22.717 χ^2 /NDF: 179282.8/55

asym_bpm1i02WS_rms vs Slug



Right In: 133.541 $\pm$ 0.025 χ^2 /NDF: 1285490.1/26

Left Out: 131.798 $\pm$ 0.022 χ^2 /NDF:1544340.3/24

Right Out: 132.859 $\pm$ 0.023 χ^2 /NDF: 1566001.7/32

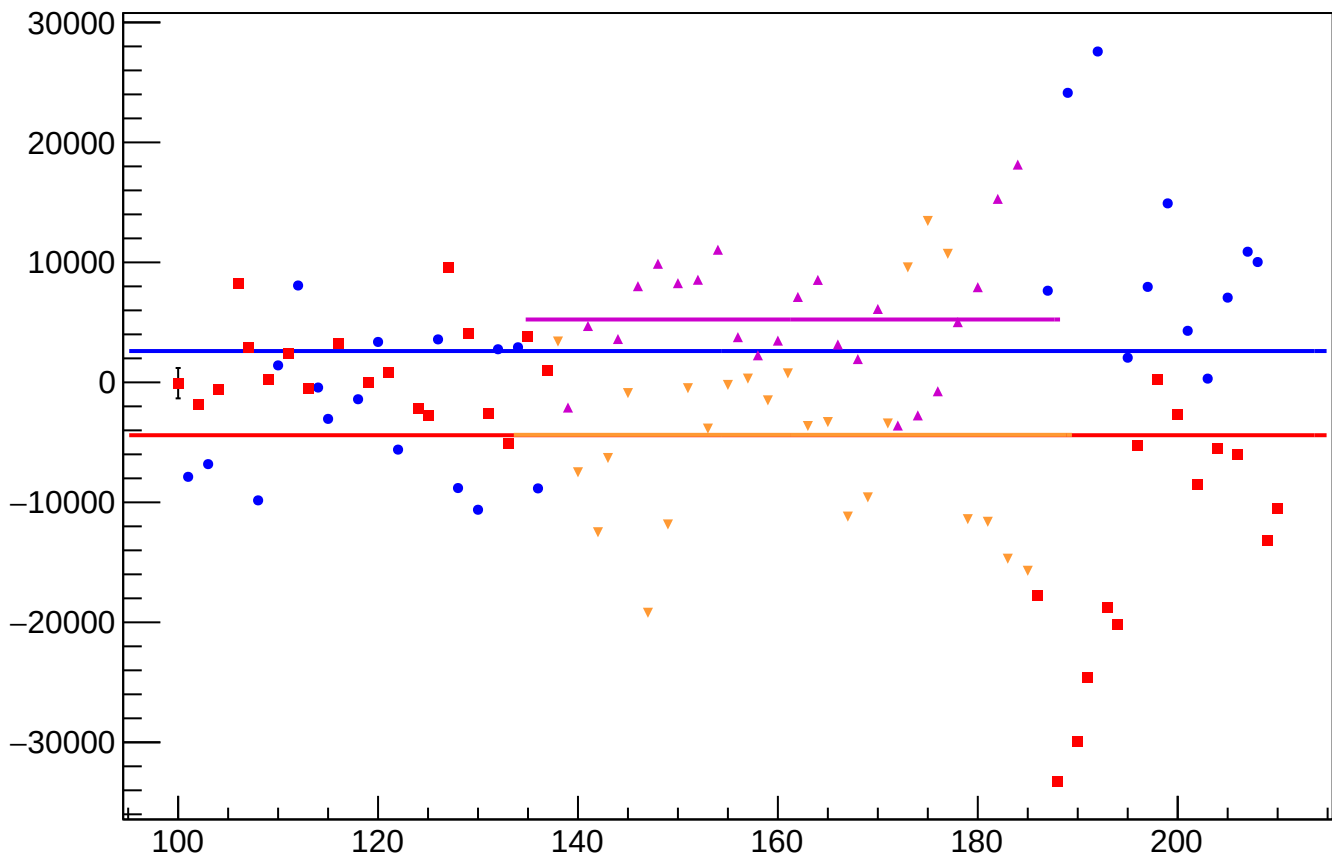
Left In: 133.061 $\pm$ 0.023 χ^2 /NDF:1418252.2/22

+ sign 132.564 $\pm$ 0.016 χ^2 /NDF: 2832643.3/51

All: 132.766 $\pm$ 0.011 χ^2 /NDF: 5817237.3/107

- sign 132.961 $\pm$ 0.016 χ^2 /NDF: 2984293.4/55

asym_bpm1i04WS_mean vs Slug



Right In: 2610.650 ± 31.222 $\chi^2/\text{NDF}: 88552.7/26$

Left Out: -4372.743 ± 27.955 $\chi^2/\text{NDF}: 67218.5/24$

Right Out: -4405.089 ± 29.222 $\chi^2/\text{NDF}: 115134.1/32$

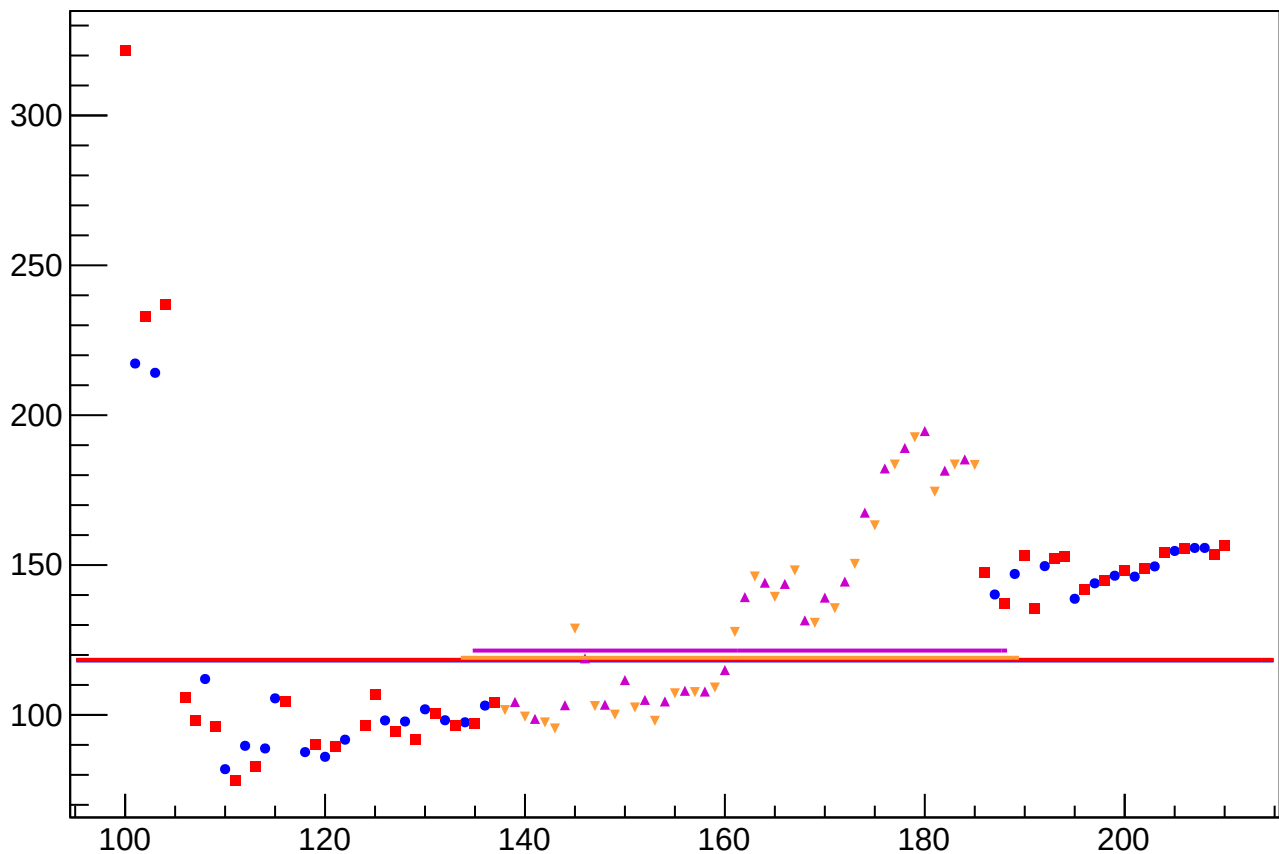
Left In: 5239.784 ± 29.252 $\chi^2/\text{NDF}: 22273.2/22$

+ sign -1265.362 ± 20.827 $\chi^2/\text{NDF}: 183538.6/51$

All: -420.222 ± 14.672 $\chi^2/\text{NDF}: 378627.3/10$

- sign 412.537 ± 20.674 $\chi^2/\text{NDF}: 191819.5/55$

asym_bpm1i04WS_rms vs Slug



Right In: 118.175 $\pm$ 0.022 χ^2 /NDF: 1968514.5/26

Left Out: 119.064 $\pm$ 0.020 χ^2 /NDF: 1755428.3/24

Right Out: 118.381 $\pm$ 0.021 χ^2 /NDF: 2456924.0/32

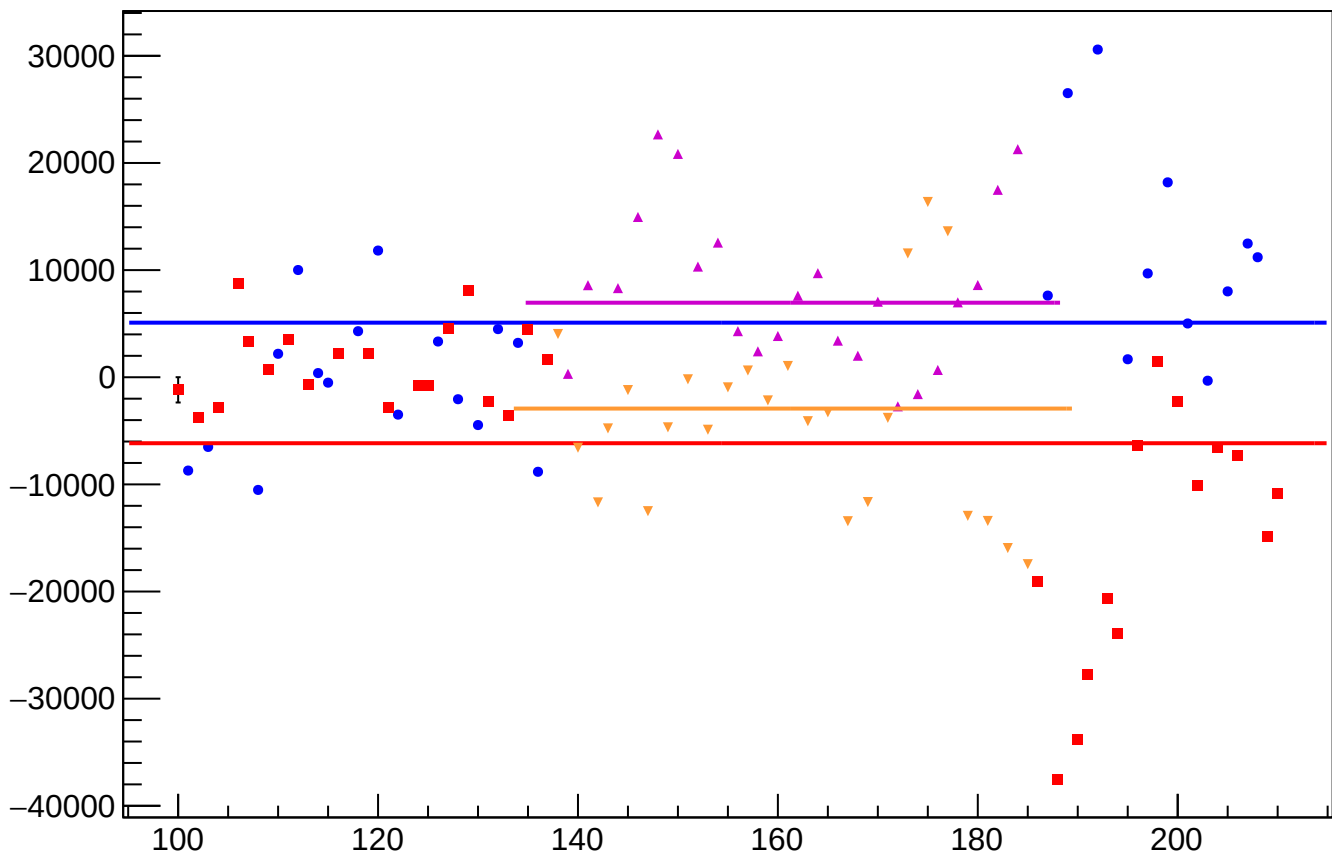
Left In: 121.468 $\pm$ 0.021 χ^2 /NDF: 1529379.8/22

+ sign 118.669 $\pm$ 0.015 χ^2 /NDF: 3724843.0/51

All: 119.300 $\pm$ 0.010 χ^2 /NDF: 7725946.2/107

- sign 119.923 $\pm$ 0.015 χ^2 /NDF: 3997448.5/55

asym_bpm1i06WS_mean vs Slug



Right In: 5094.159+/-41.007 χ^2/NDF : 63256.1/26

Left Out: -2923.060+/-38.185 χ^2/NDF : 38052.4/24

Right Out: -6157.649+/-38.396 χ^2/NDF : 94708.0/32

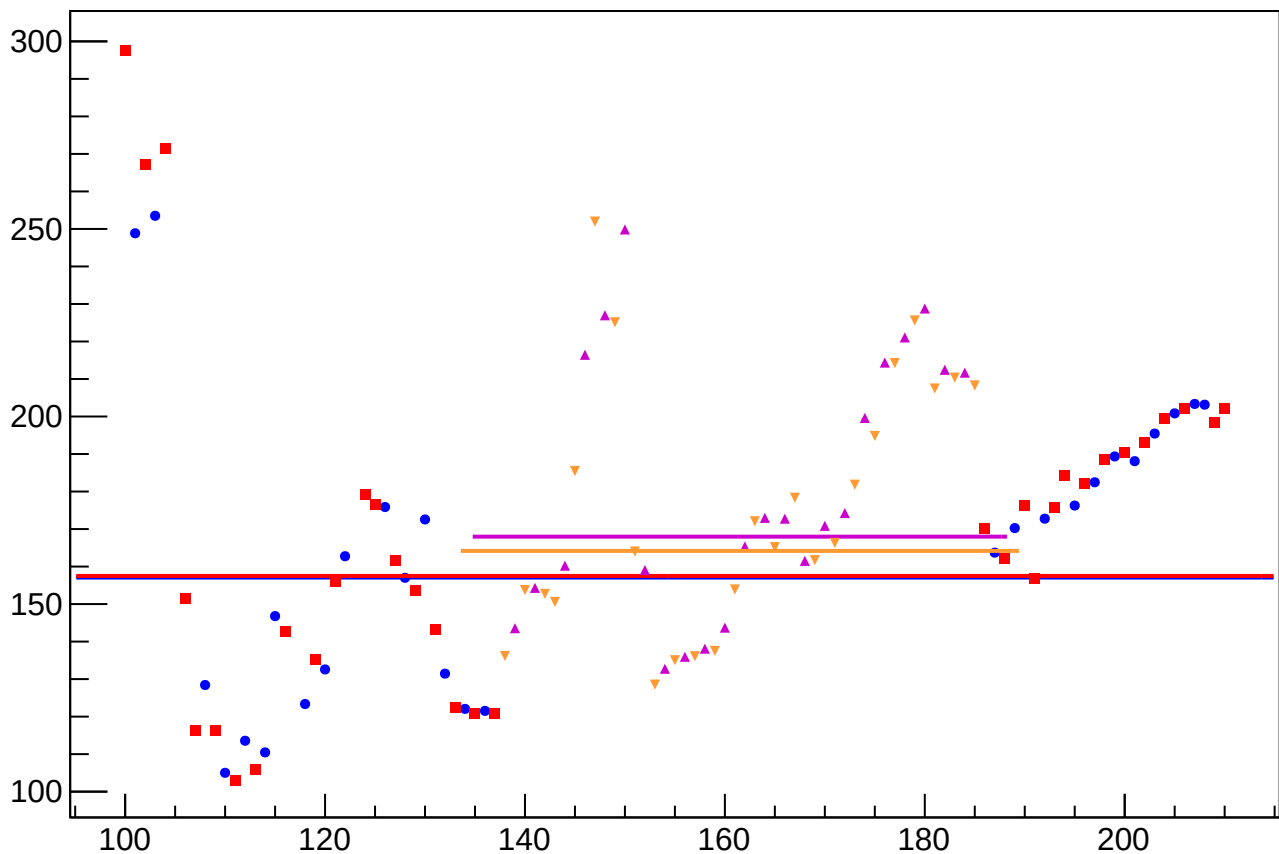
Left In: 6956.884+/-40.245 χ^2/NDF : 22339.0/22

+ sign 800.245+/-27.945 χ^2/NDF : 121780.9/51

All: 443.787+/-19.702 χ^2/NDF : 294741.0/107

- sign 91.506+/-27.781 χ^2/NDF : 172636.6/55

asym_bpm1i06WS_rms vs Slug



Right In: 157.082 ± 0.029 $\chi^2/\text{NDF}: 1597223.7/26$

Left Out: 164.172 ± 0.027 $\chi^2/\text{NDF}: 1224405.6/24$

Right Out: 157.499 ± 0.027 $\chi^2/\text{NDF}: 1891945.7/32$

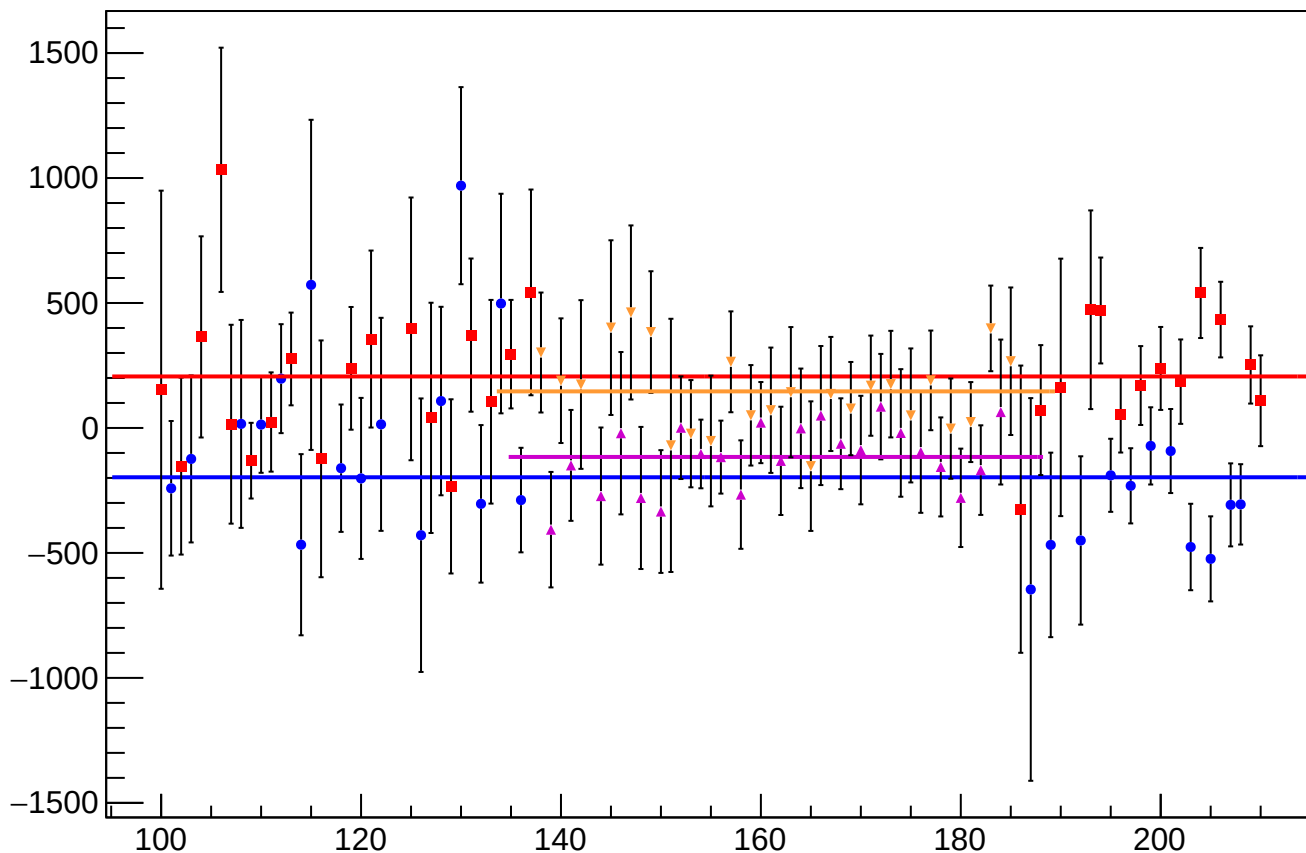
Left In: 167.975 ± 0.028 $\chi^2/\text{NDF}: 1222745.4/22$

+ sign 160.880 ± 0.020 $\chi^2/\text{NDF}: 2853650.6/51$

All: 161.690 ± 0.014 $\chi^2/\text{NDF}: 6042633.3/107$

- sign 162.491 ± 0.020 $\chi^2/\text{NDF}: 3185639.0/55$

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -197.291 ± 44.679 χ^2/NDF : 29.1/26

Left Out: 146.352 ± 46.929 χ^2/NDF : 10.0/23

Right Out: 206.061 ± 42.063 χ^2/NDF : 24.2/30

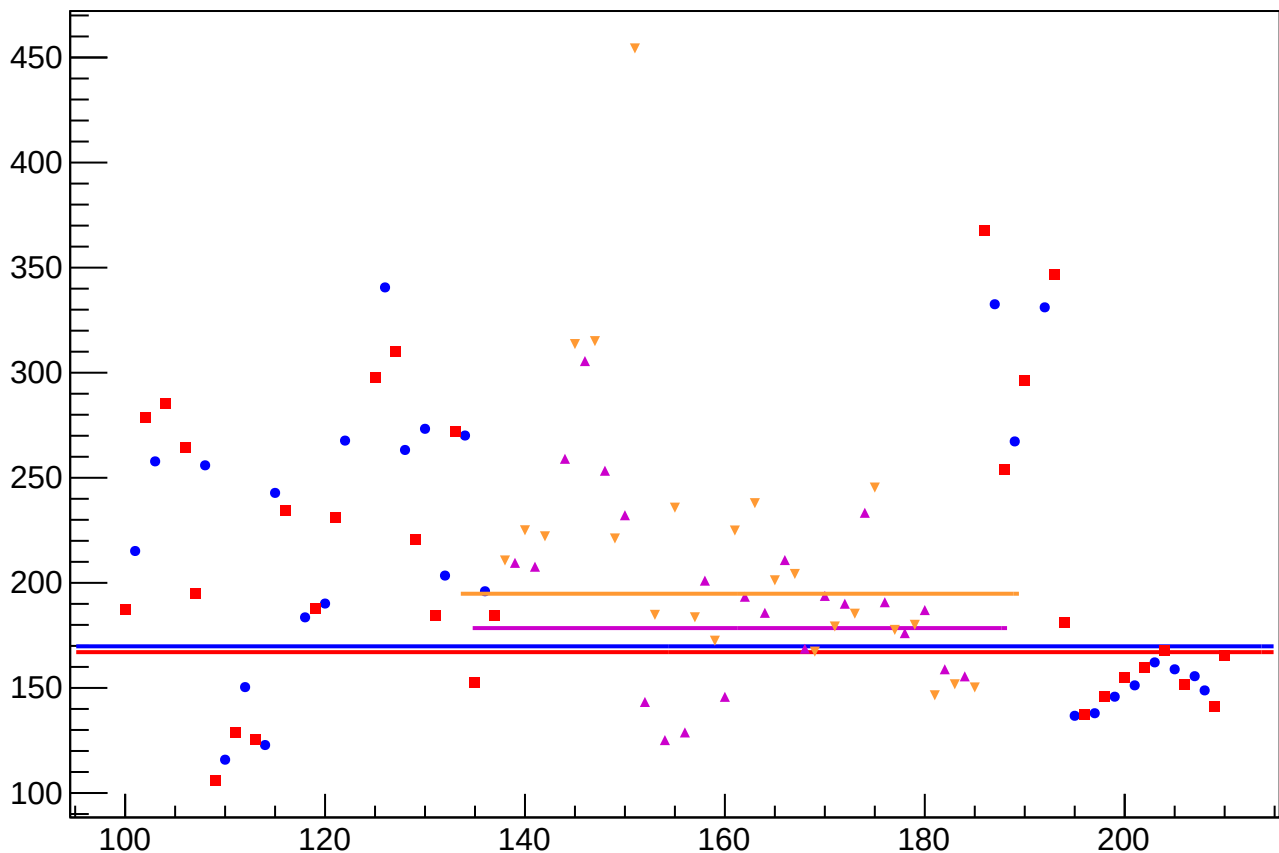
Left In: -115.974 ± 43.605 χ^2/NDF : 7.6/22

+ sign -33.902 ± 32.359 χ^2/NDF : 67.2/50

All: 11.287 ± 22.107 χ^2/NDF : 131.0/104

- sign 50.838 ± 30.273 χ^2/NDF : 60.1/53

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 169.804 $\pm$ 0.032 χ^2 /NDF: 2259323.0/26

Left Out: 194.828 $\pm$ 0.033 χ^2 /NDF:1752475.1/23

Right Out: 167.031 $\pm$ 0.030 χ^2 /NDF: 2812181.4/30

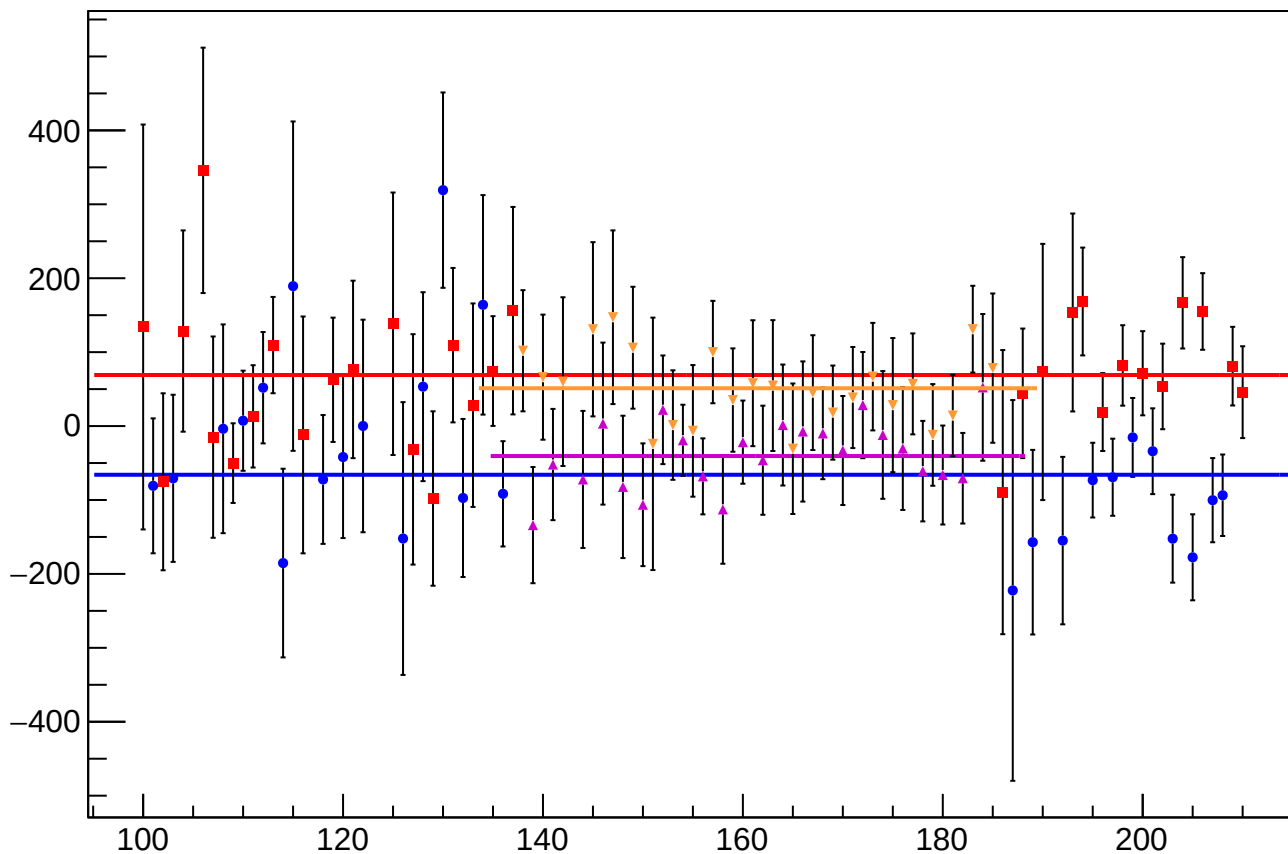
Left In: 178.475 $\pm$ 0.031 χ^2 /NDF:1676266.4/22

+ sign 181.702 $\pm$ 0.023 χ^2 /NDF: 4310101.2/50

All: 176.820 $\pm$ 0.016 χ^2 /NDF: 8955270.8/104

- sign 172.547 $\pm$ 0.021 χ^2 /NDF: 4559807.3/53

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -65.869 ± 15.346 $\chi^2/\text{NDF}: 27.6/26$

Left Out: 51.161 ± 16.037 $\chi^2/\text{NDF}: 8.1/23$

Right Out: 69.080 ± 14.472 $\chi^2/\text{NDF}: 23.8/30$

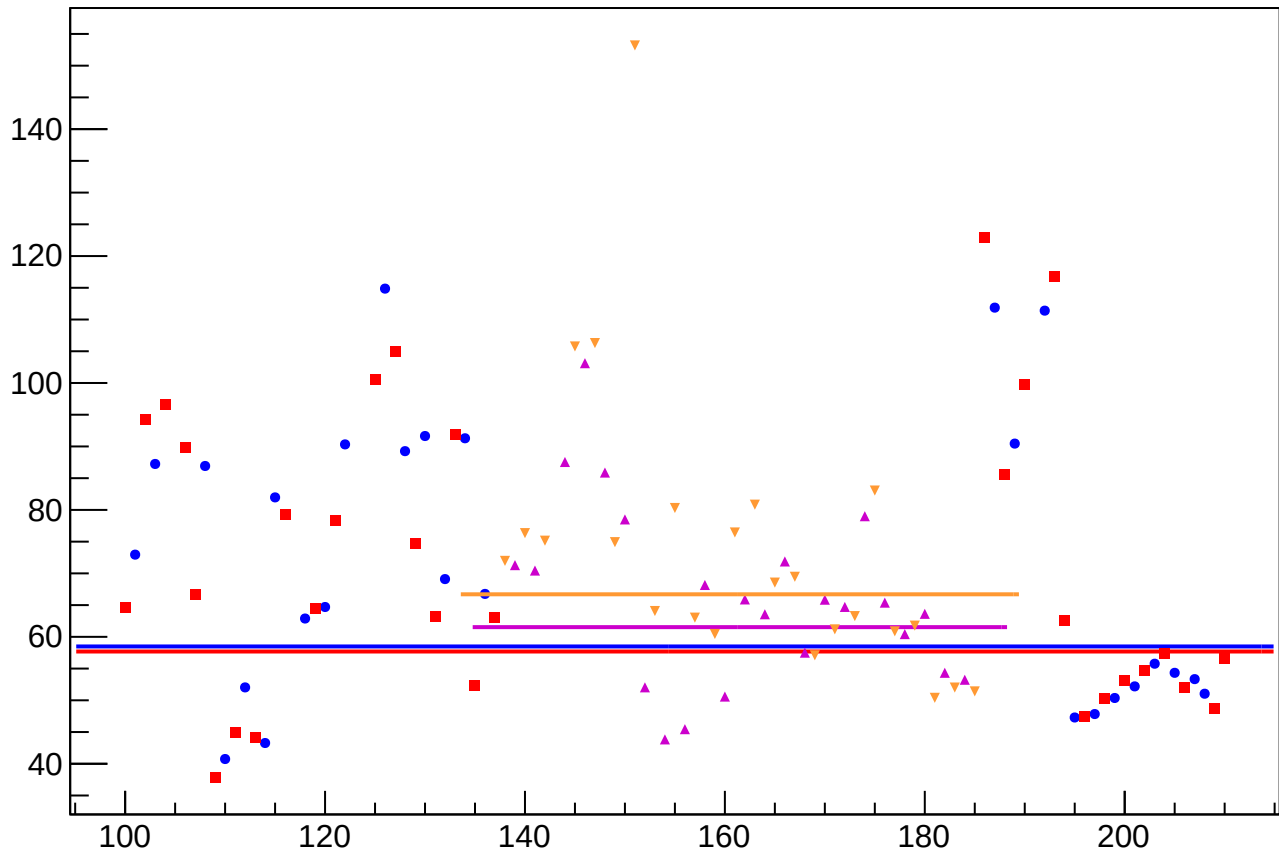
Left In: -40.540 ± 14.978 $\chi^2/\text{NDF}: 7.9/22$

+ sign -9.928 ± 11.088 $\chi^2/\text{NDF}: 63.6/50$

All: 3.935 ± 7.588 $\chi^2/\text{NDF}: 125.8/104$

- sign 16.150 ± 10.408 $\chi^2/\text{NDF}: 59.3/53$

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 58.484+/-0.011 χ^2/NDF : 2117973.0/26

Left Out: 66.703+/-0.011 χ^2/NDF :1676329.9/23

Right Out: 57.689+/-0.010 χ^2/NDF : 2617108.8/30

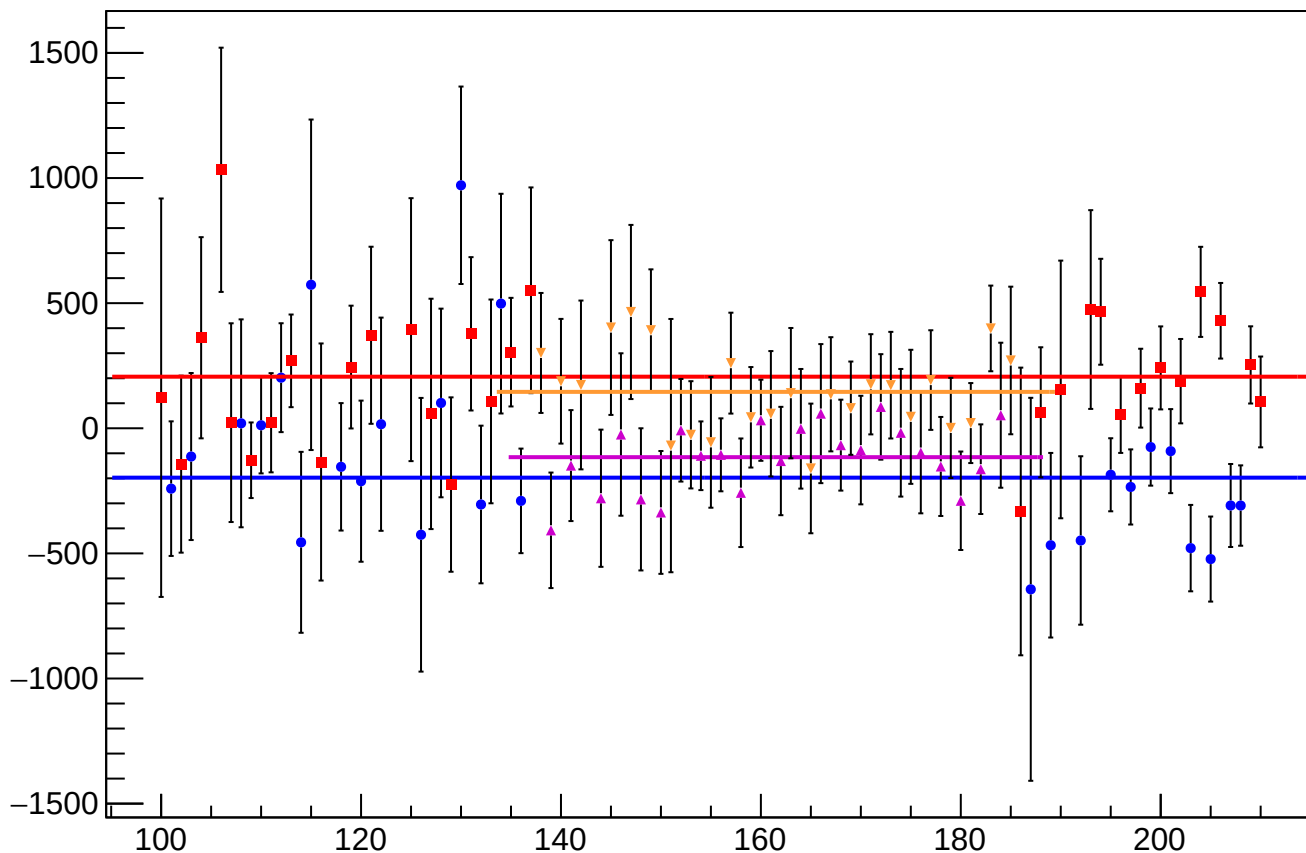
Left In: 61.529+/-0.011 χ^2/NDF :1489848.4/22

+ sign 62.413+/-0.008 χ^2/NDF : 4068518.6/50

All: 60.887+/-0.005 χ^2/NDF : 8314648.2/104

- sign 59.543+/-0.007 χ^2/NDF : 4174920.7/53

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -197.338 ± 44.622 χ^2/NDF : 29.3/26

Left Out: 145.476 ± 46.889 χ^2/NDF : 10.2/23

Right Out: 206.171 ± 42.009 χ^2/NDF : 24.3/30

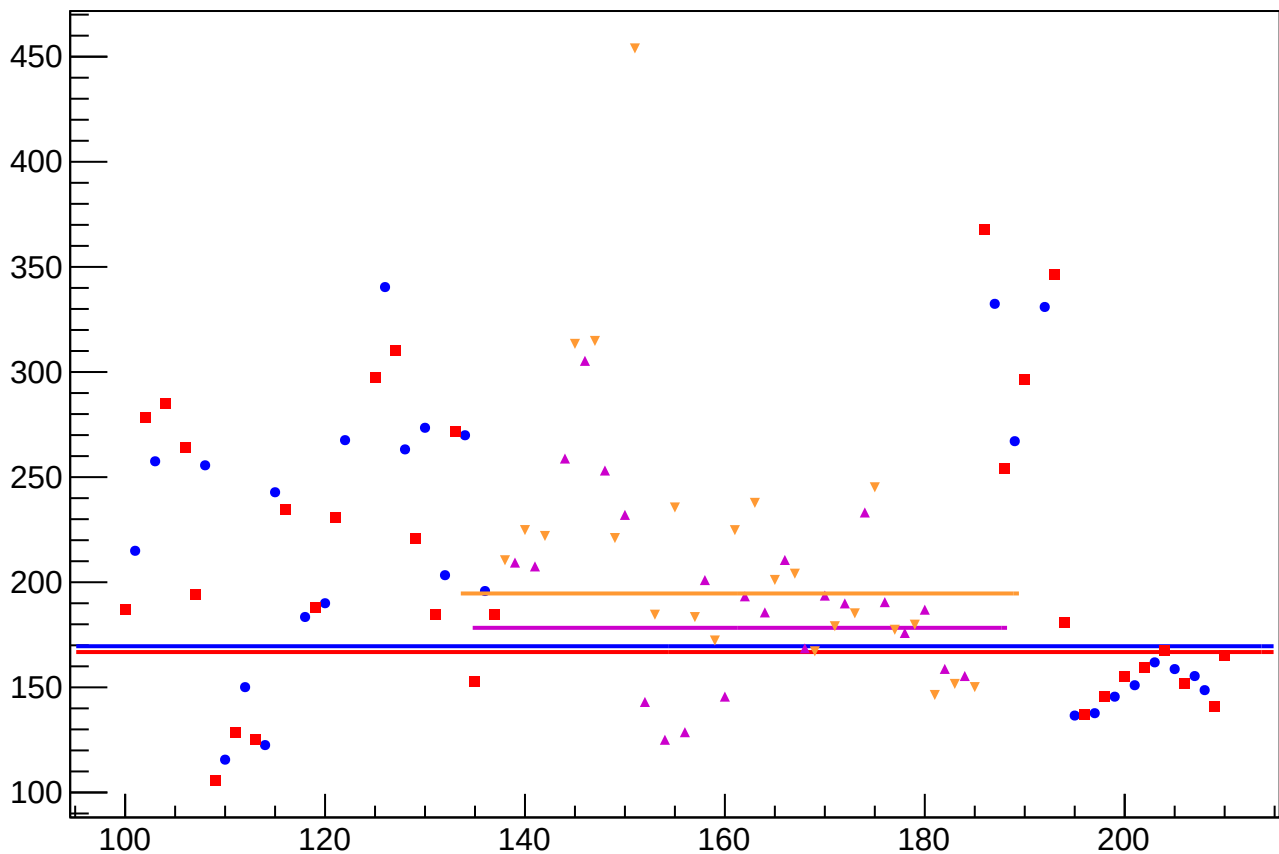
Left In: -115.487 ± 43.568 χ^2/NDF : 7.8/22

+ sign -34.417 ± 32.324 χ^2/NDF : 67.5/50

All: 11.239 ± 22.083 χ^2/NDF : 131.6/104

- sign 51.200 ± 30.241 χ^2/NDF : 60.3/53

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 169.568 $\pm$ 0.032 χ^2/NDF : 2265630.1/26

Left Out: 194.659 $\pm$ 0.033 χ^2/NDF : 1753119.9/23

Right Out: 166.795 $\pm$ 0.030 χ^2/NDF : 2820498.1/30

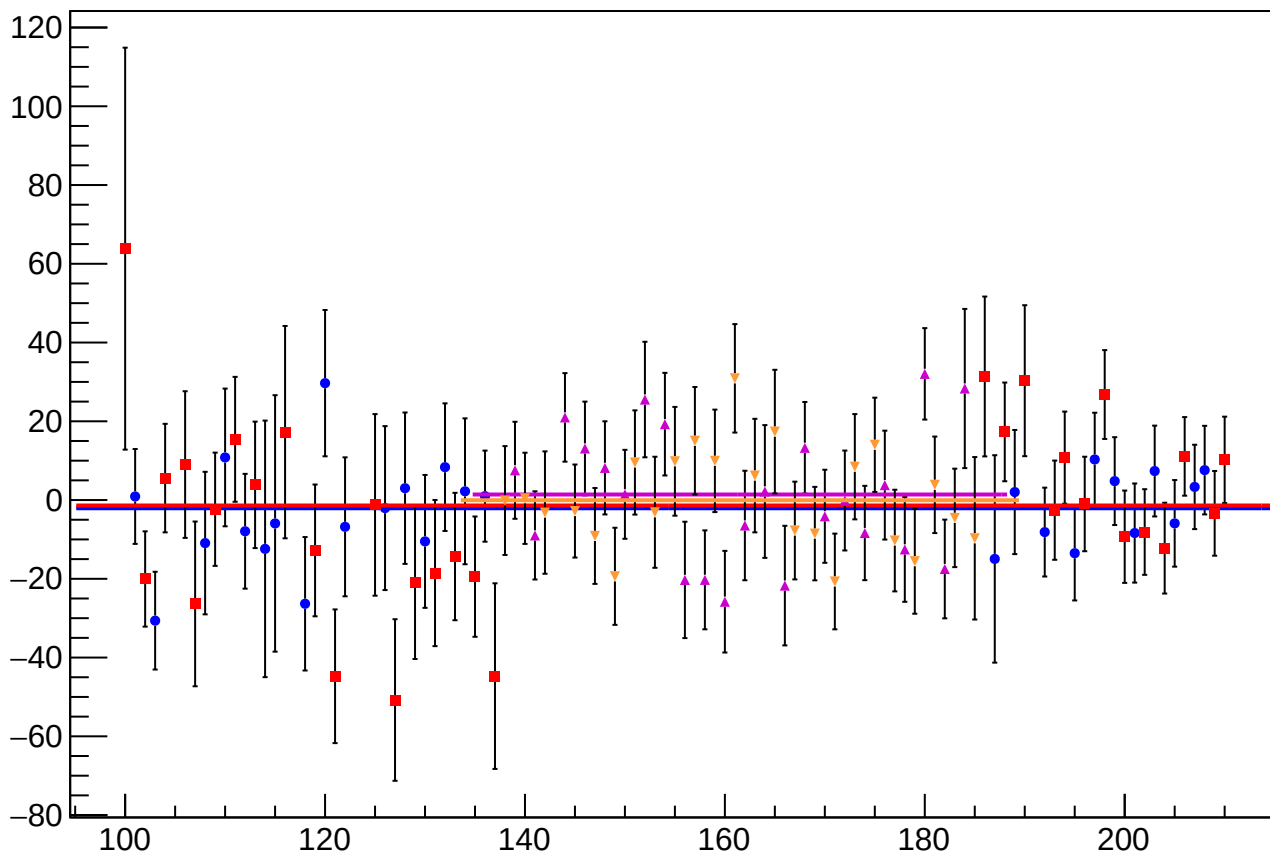
Left In: 178.318 $\pm$ 0.031 χ^2/NDF : 1678336.4/22

+ sign 181.492 $\pm$ 0.023 χ^2/NDF : 4319281.1/50

All: 176.615 $\pm$ 0.016 χ^2/NDF : 8975998.1/104

- sign 172.346 $\pm$ 0.021 χ^2/NDF : 4571334.7/53

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -2.084 ± 2.745 χ^2/NDF : 17.3/26

Left Out: -0.047 ± 2.685 χ^2/NDF : 20.5/23

Right Out: -1.383 ± 2.594 χ^2/NDF : 47.1/30

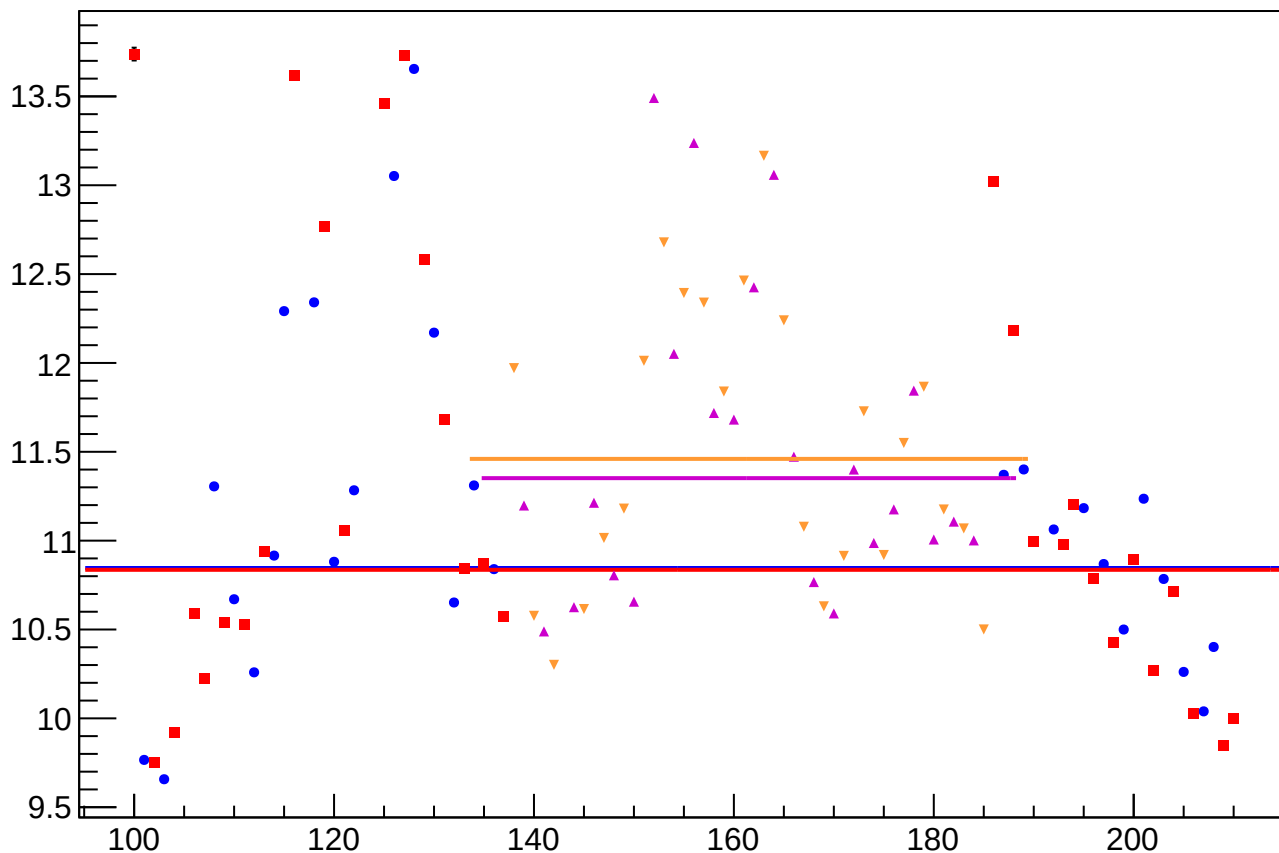
Left In: 1.407 ± 2.674 χ^2/NDF : 36.3/22

+ sign -1.043 ± 1.919 χ^2/NDF : 38.1/50

All: -0.521 ± 1.336 χ^2/NDF : 122.2/104

- sign -0.030 ± 1.862 χ^2/NDF : 84.0/53

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.846 ± 0.002 χ^2/NDF : 168510.7/26

Left Out: 11.460 ± 0.002 χ^2/NDF : 150430.0/23

Right Out: 10.836 ± 0.002 χ^2/NDF : 268390.0/30

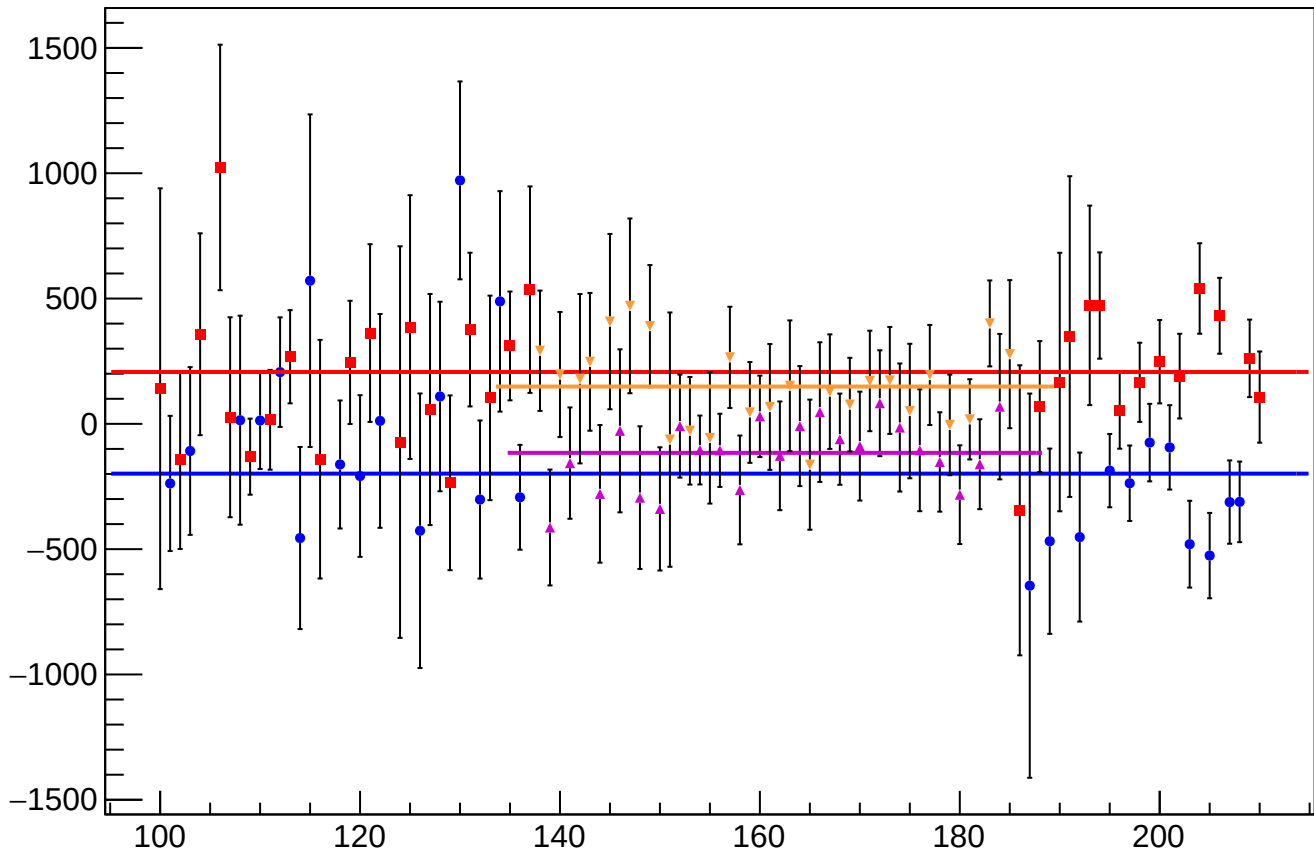
Left In: 11.352 ± 0.002 χ^2/NDF : 170563.6/22

+ sign 11.160 ± 0.001 χ^2/NDF : 370090.6/50

All: 11.122 ± 0.001 χ^2/NDF : 848912.7/104

- sign 11.086 ± 0.001 χ^2/NDF : 477296.0/53

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -198.638 ± 44.738 χ^2/NDF : 29.3/26

Left Out: 148.905 ± 46.306 χ^2/NDF : 10.5/24

Right Out: 207.040 ± 41.971 χ^2/NDF : 24.5/32

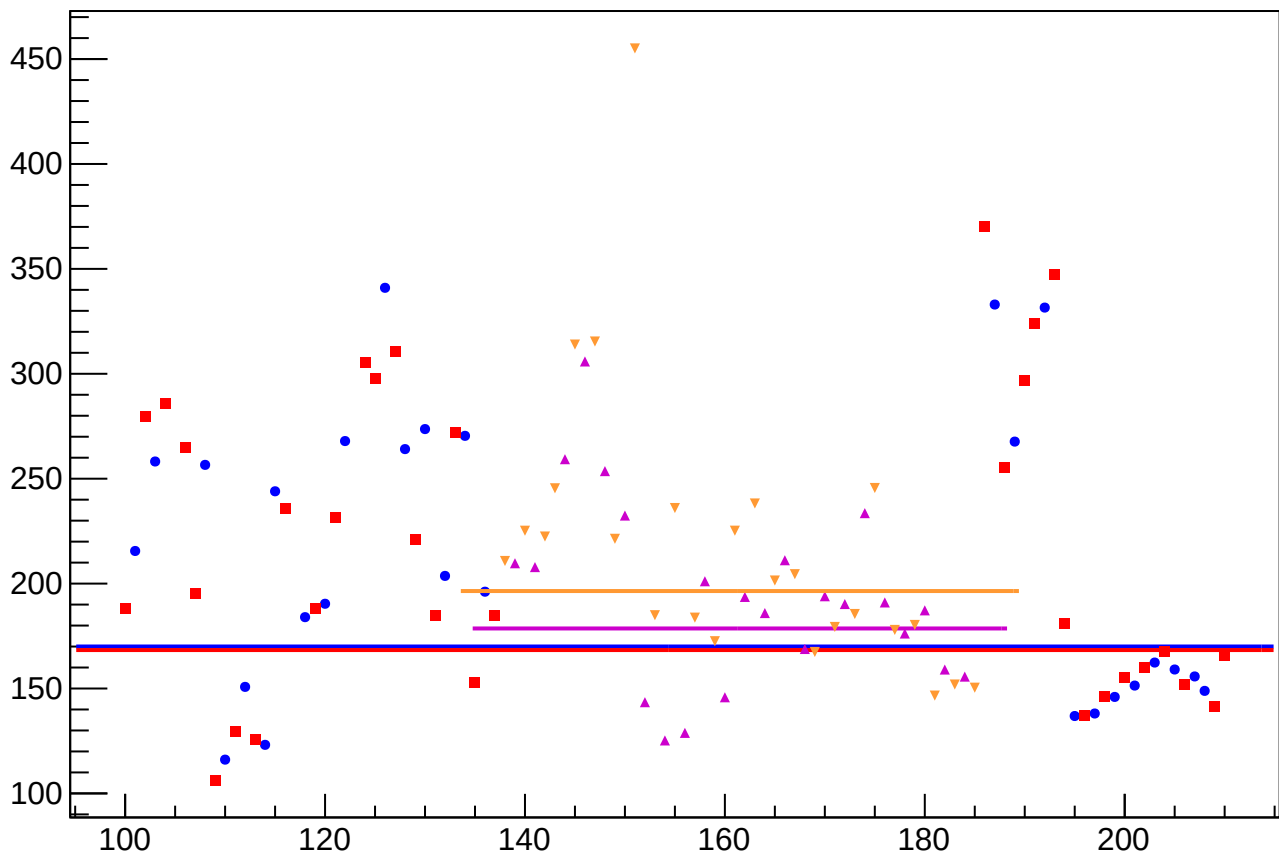
Left In: -115.709 ± 43.641 χ^2/NDF : 7.8/22

+ sign -30.854 ± 32.175 χ^2/NDF : 68.9/51

All: 13.101 ± 22.039 χ^2/NDF : 133.1/107

- sign 51.957 ± 30.251 χ^2/NDF : 60.7/55

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 170.018 $\pm$ 0.032 χ^2 /NDF: 2261101.2/26

Left Out: 196.454 $\pm$ 0.033 χ^2 /NDF:1818746.1/24

Right Out: 168.326 $\pm$ 0.030 χ^2 /NDF: 2999203.3/32

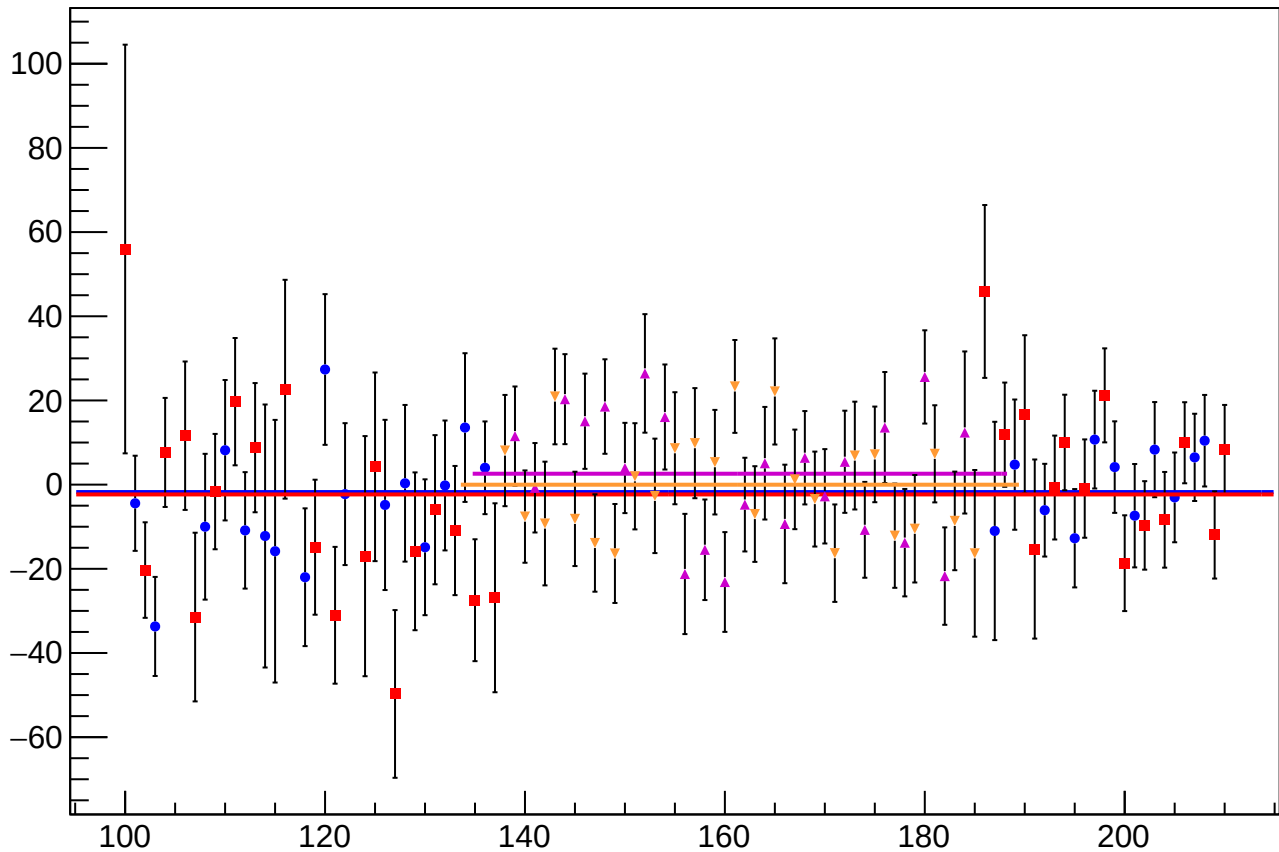
Left In: 178.614 $\pm$ 0.031 χ^2 /NDF:1678859.8/22

+ sign 182.781 $\pm$ 0.023 χ^2 /NDF: 4416997.1/51

All: 177.732 $\pm$ 0.016 χ^2 /NDF: 9245575.1/107

- sign 173.269 $\pm$ 0.021 χ^2 /NDF: 4735805.1/55

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -1.767 ± 2.648 χ^2/NDF : 20.4/26

Left Out: -0.018 ± 2.445 χ^2/NDF : 23.7/24

Right Out: -2.327 ± 2.478 χ^2/NDF : 45.9/32

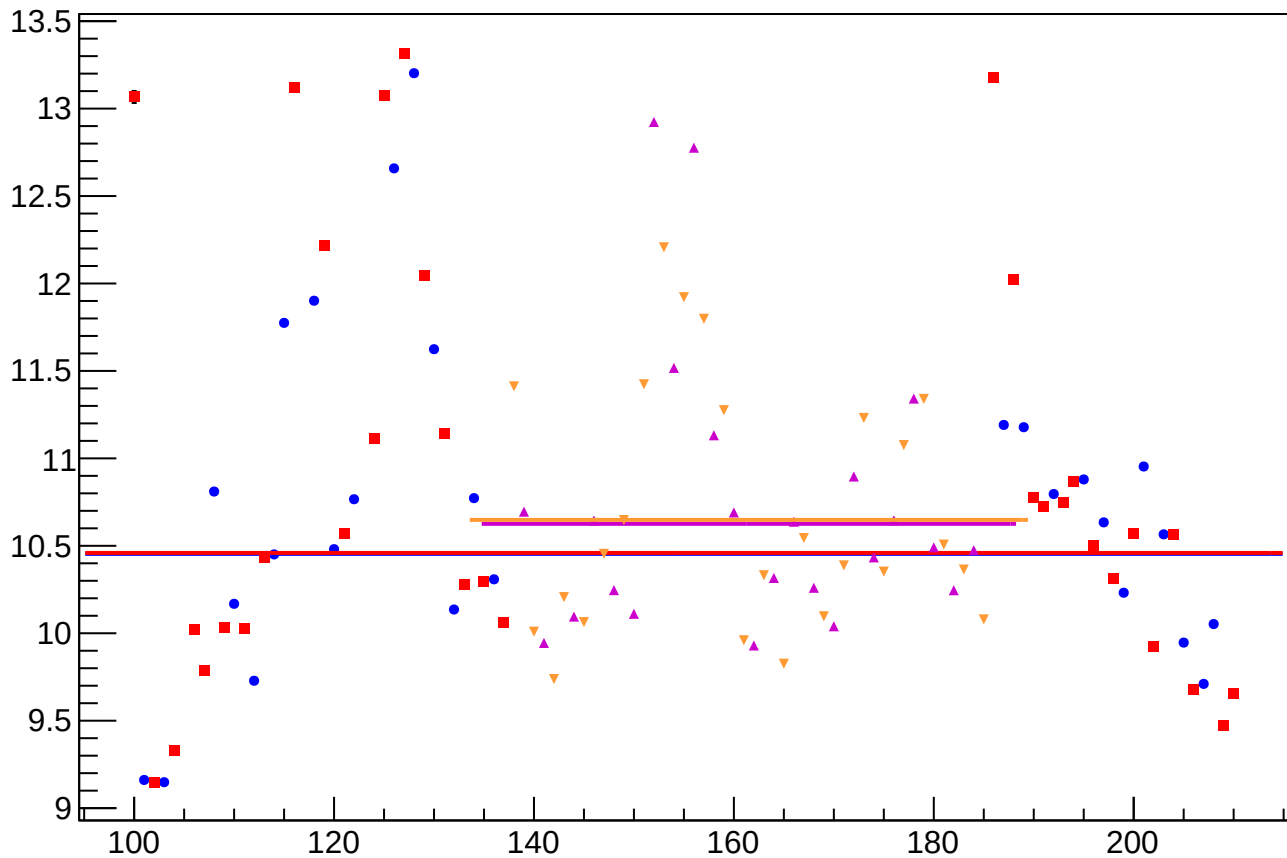
Left In: 2.591 ± 2.506 χ^2/NDF : 34.8/22

+ sign -0.822 ± 1.796 χ^2/NDF : 44.3/51

All: -0.350 ± 1.258 χ^2/NDF : 127.1/107

- sign 0.104 ± 1.762 χ^2/NDF : 82.6/55

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.454 $\pm$ 0.002 χ^2 /NDF: 190350.6/26

Left Out: 10.648 $\pm$ 0.002 χ^2 /NDF:143535.9/24

Right Out: 10.459 $\pm$ 0.002 χ^2 /NDF: 308026.8/32

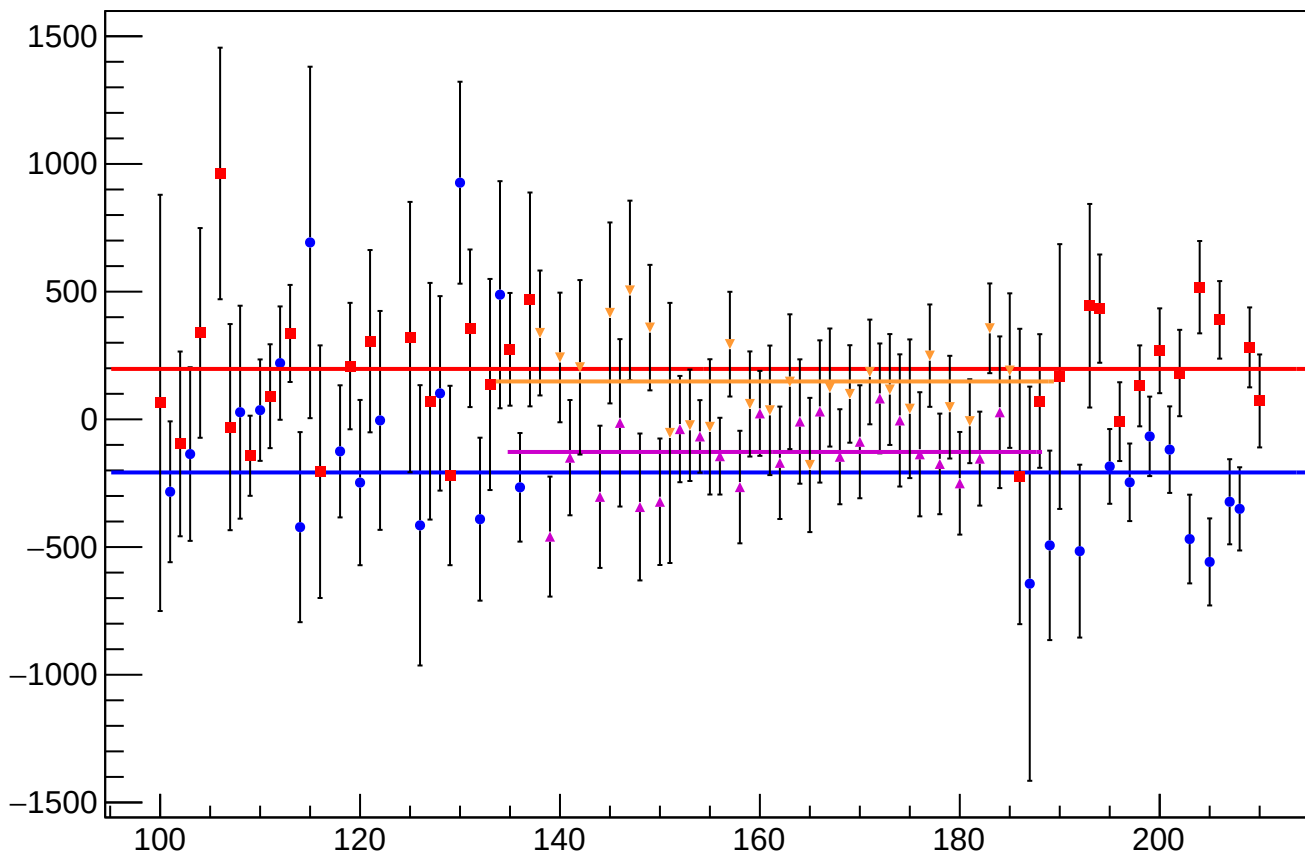
Left In: 10.626 $\pm$ 0.002 χ^2 /NDF:159543.1/22

+ sign 10.559 $\pm$ 0.001 χ^2 /NDF: 339698.2/51

All: 10.550 $\pm$ 0.001 χ^2 /NDF: 811822.3/107

- sign 10.542 $\pm$ 0.001 χ^2 /NDF: 472029.1/55

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -207.913 ± 45.113 χ^2/NDF : 30.6/26

Left Out: 148.441 ± 47.720 χ^2/NDF : 9.9/23

Right Out: 197.456 ± 42.521 χ^2/NDF : 22.2/30

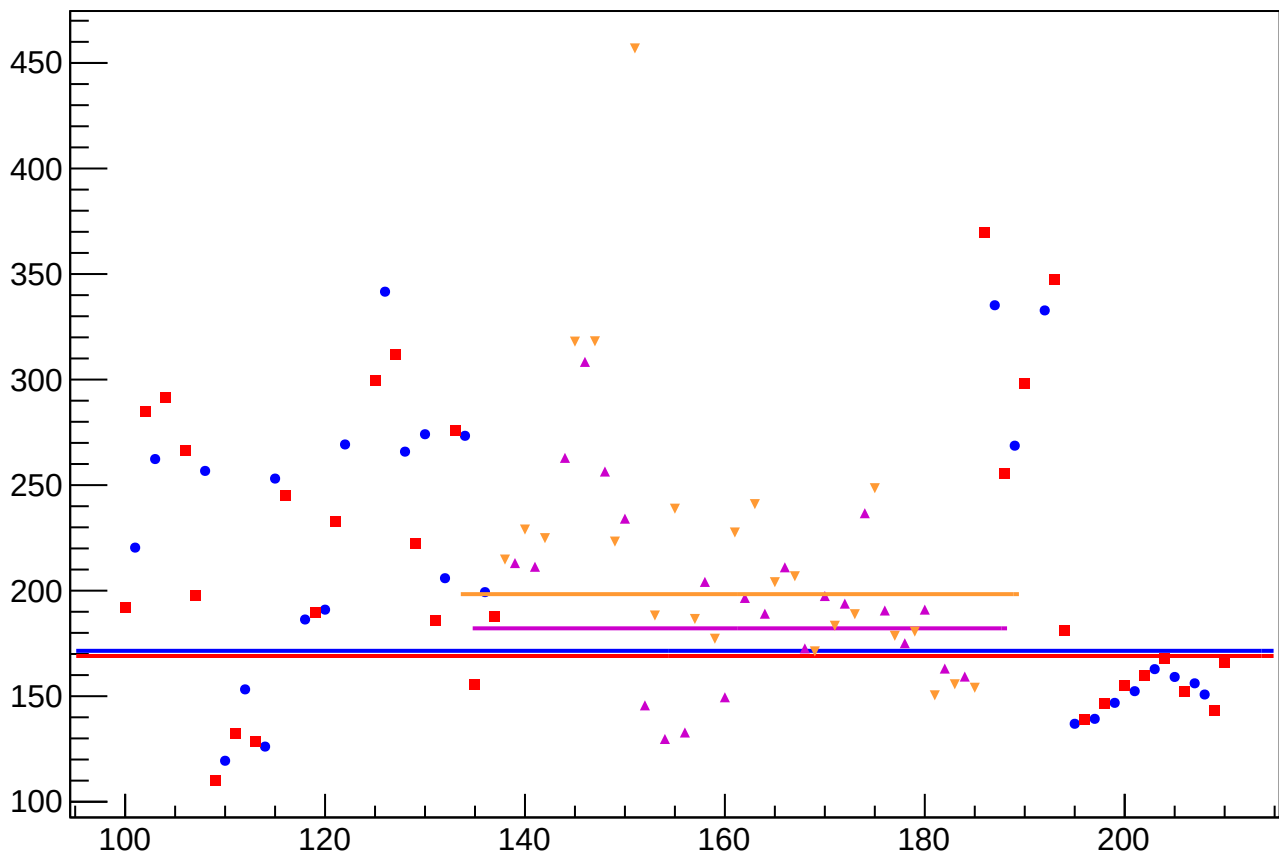
Left In: -127.710 ± 44.426 χ^2/NDF : 7.8/22

+ sign -39.737 ± 32.783 χ^2/NDF : 69.9/50

All: 3.783 ± 22.416 χ^2/NDF : 131.3/104

- sign 41.994 ± 30.718 χ^2/NDF : 58.0/53

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 171.497 $\pm$ 0.032 χ^2 /NDF: 2252234.1/26

Left Out: 198.351 $\pm$ 0.034 χ^2 /NDF:1697058.2/23

Right Out: 169.052 $\pm$ 0.030 χ^2 /NDF: 2755825.8/30

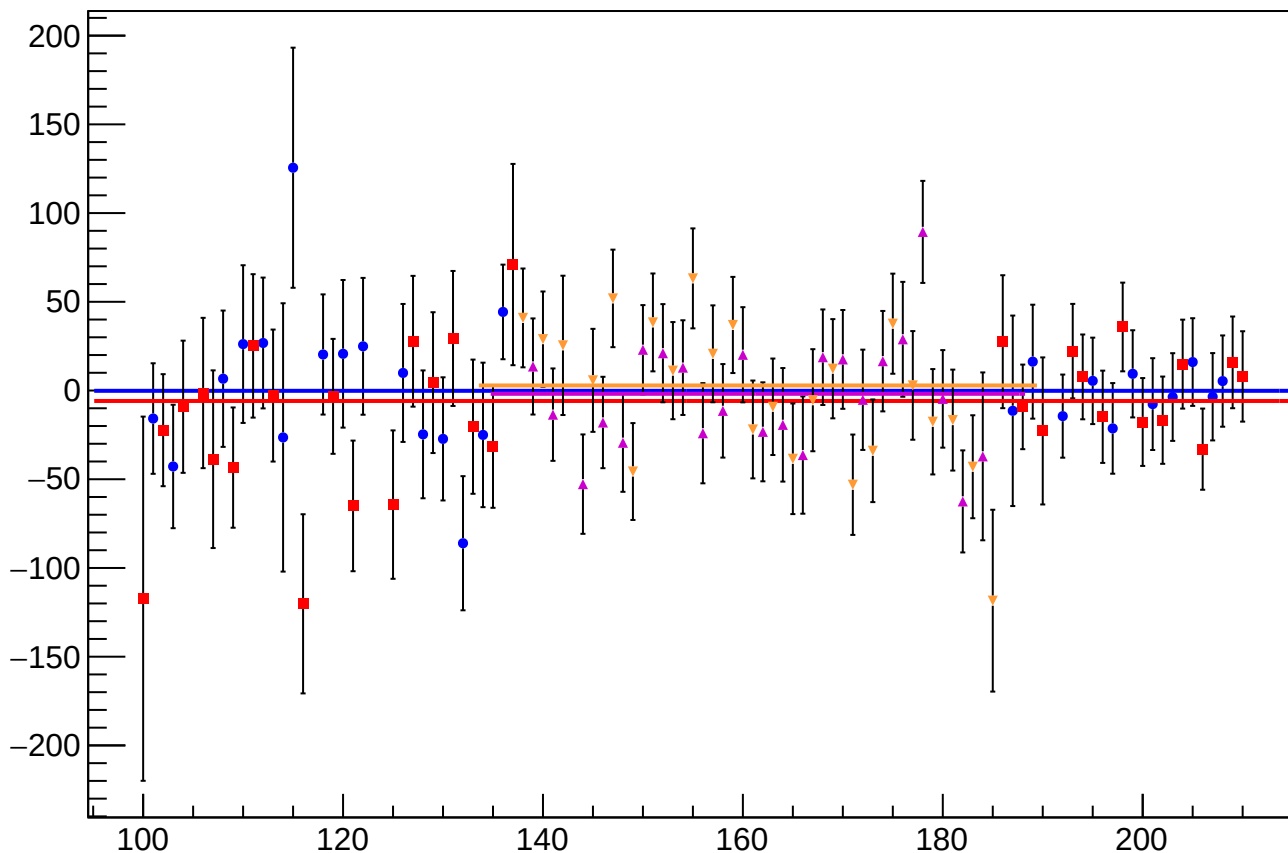
Left In: 182.150 $\pm$ 0.031 χ^2 /NDF:1584358.1/22

+ sign 184.170 $\pm$ 0.023 χ^2 /NDF: 4283751.3/50

All: 179.455 $\pm$ 0.016 χ^2 /NDF: 8792396.9/104

- sign 175.314 $\pm$ 0.022 χ^2 /NDF: 4430921.5/53

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -0.161 ± 6.062 χ^2/NDF : 18.9/26

Left Out: 2.851 ± 5.904 χ^2/NDF : 36.9/23

Right Out: -5.888 ± 5.710 χ^2/NDF : 26.5/30

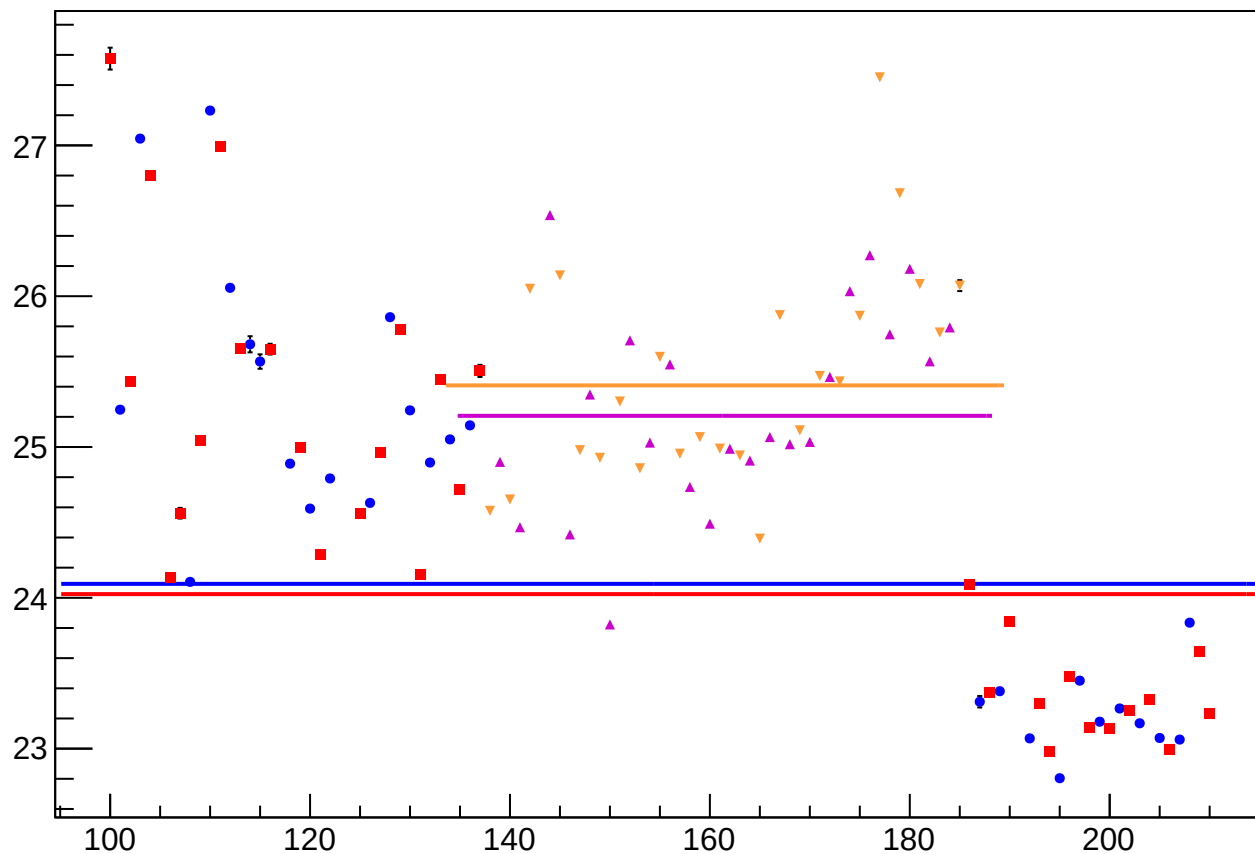
Left In: -1.850 ± 5.893 χ^2/NDF : 28.1/22

+ sign 1.385 ± 4.230 χ^2/NDF : 55.9/50

All: -1.356 ± 2.944 χ^2/NDF : 111.6/104

- sign -3.933 ± 4.101 χ^2/NDF : 54.8/53

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.093 $\pm$ 0.004 χ^2/NDF : 76053.9/26

Left Out: 25.409 $\pm$ 0.004 χ^2/NDF : 26863.6/23

Right Out: 24.025 $\pm$ 0.004 χ^2/NDF : 71471.8/30

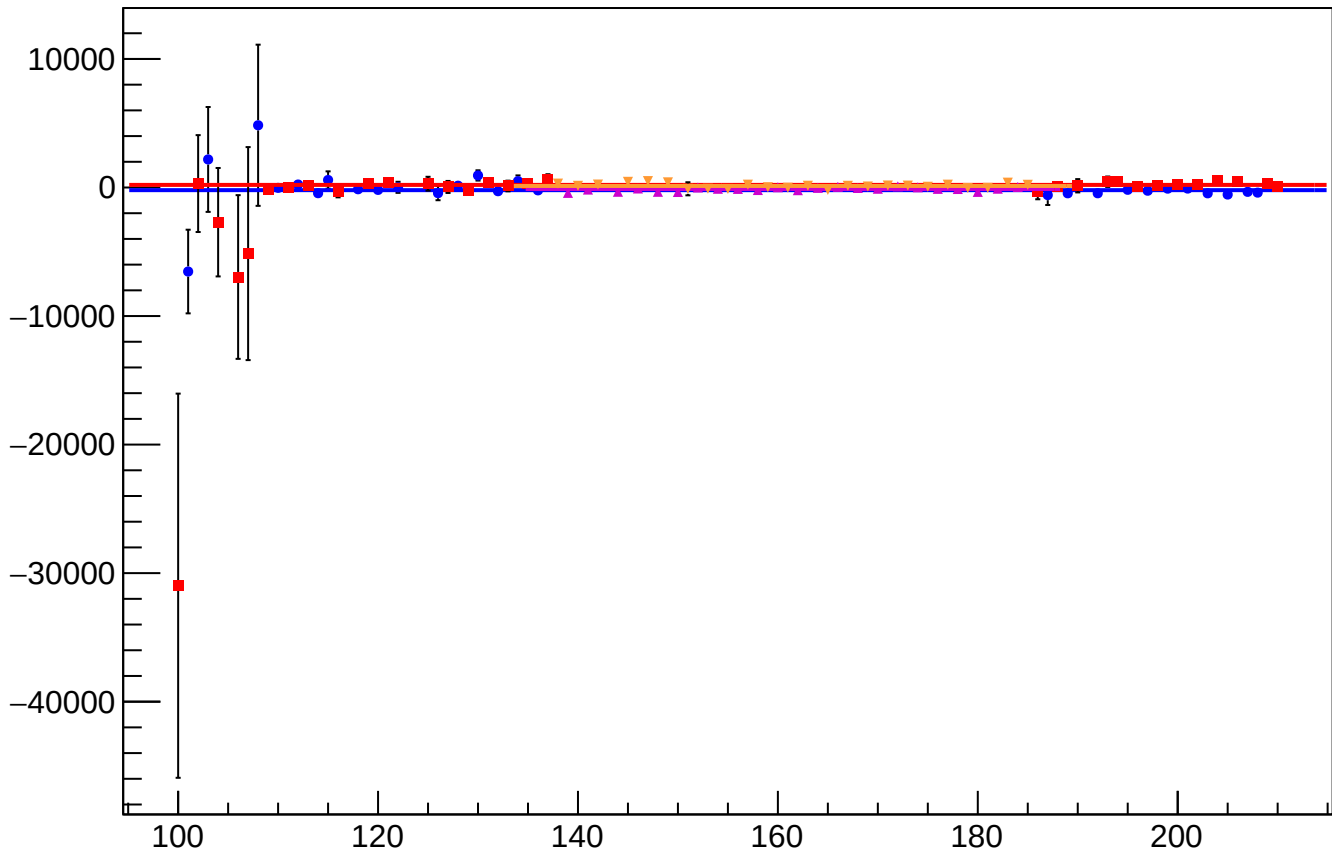
Left In: 25.207 $\pm$ 0.004 χ^2/NDF : 25827.4/22

+ sign 24.768 $\pm$ 0.003 χ^2/NDF : 151295.8/50

All: 24.680 $\pm$ 0.002 χ^2/NDF : 291796.7/104

- sign 24.597 $\pm$ 0.003 χ^2/NDF : 138817.0/53

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -206.402 ± 47.086 χ^2/NDF : 33.7/26

Left Out: 120.221 ± 47.440 χ^2/NDF : 11.9/23

Right Out: 202.606 ± 44.808 χ^2/NDF : 25.4/30

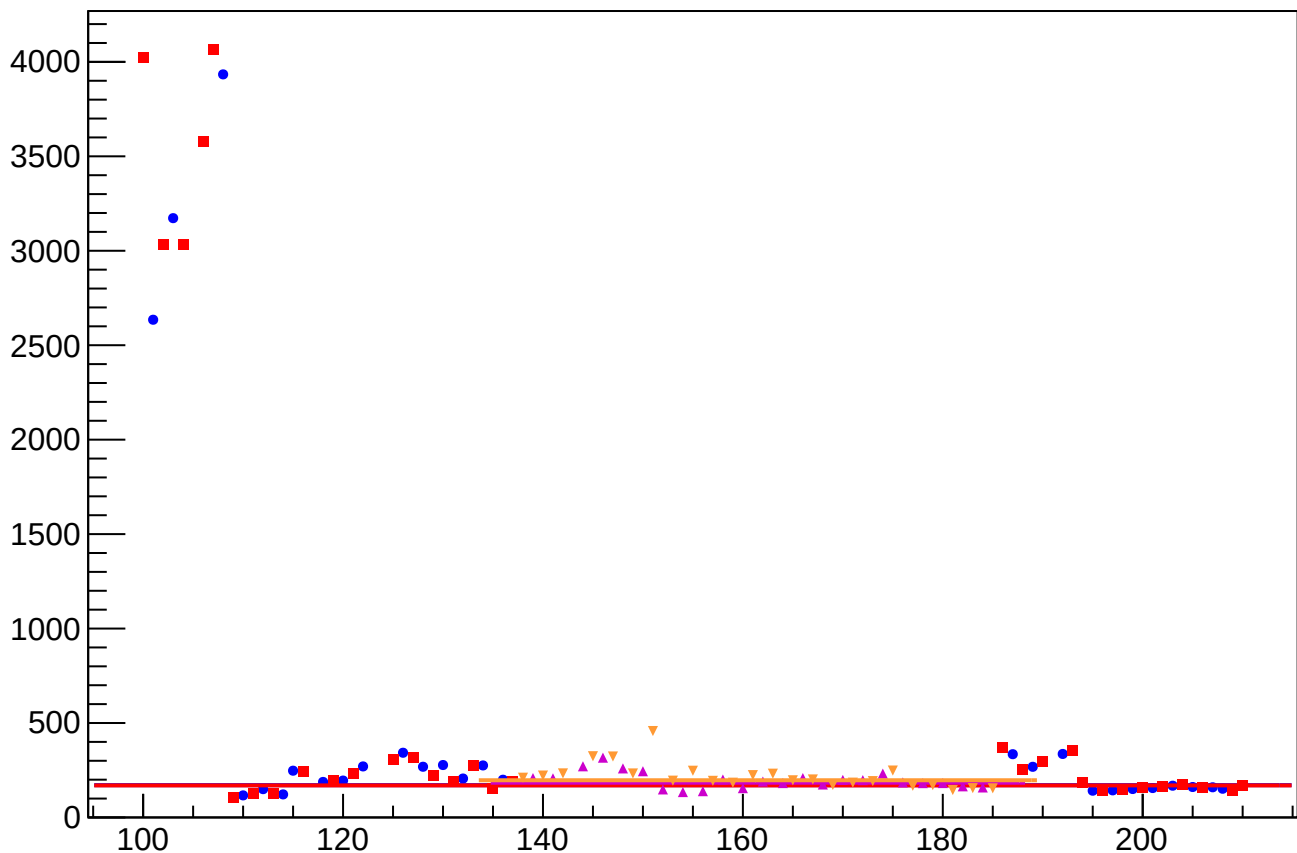
Left In: -116.243 ± 44.786 χ^2/NDF : 8.4/22

+ sign -44.312 ± 33.419 χ^2/NDF : 69.5/50

All: 1.735 ± 22.990 χ^2/NDF : 132.3/104

- sign 43.104 ± 31.676 χ^2/NDF : 59.2/53

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 170.964 $\pm$ 0.033 χ^2 /NDF: 4869849.7/26

Left Out: 196.935 $\pm$ 0.034 χ^2 /NDF: 1809266.5/23

Right Out: 169.642 $\pm$ 0.032 χ^2 /NDF: 5416587.0/30

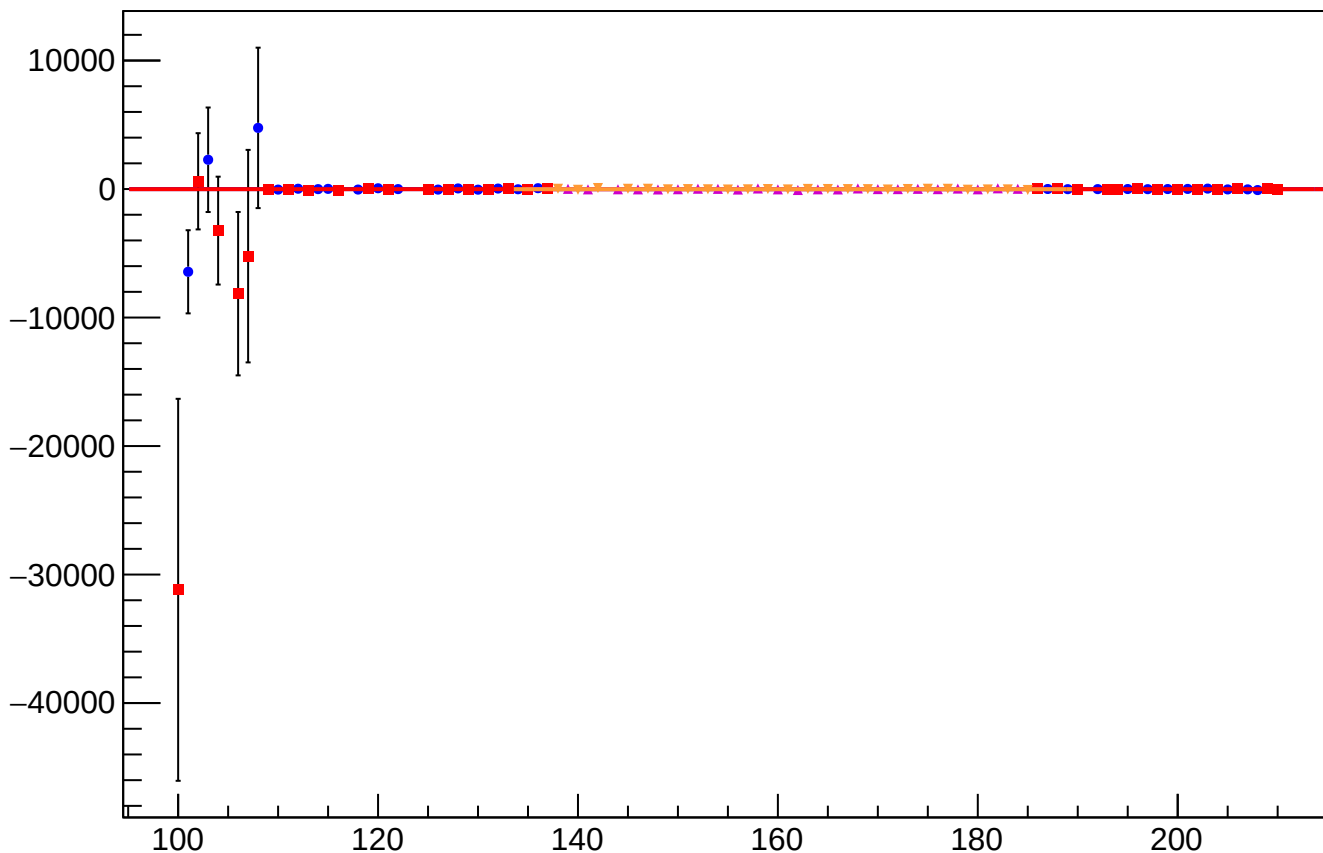
Left In: 184.051 $\pm$ 0.032 χ^2 /NDF: 1445426.0/22

+ sign 183.852 $\pm$ 0.024 χ^2 /NDF: 6981058.1/50

All: 180.164 $\pm$ 0.016 χ^2 /NDF: 13992784.0/10

- sign 176.850 $\pm$ 0.022 χ^2 /NDF: 6965471.3/53

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: -4.880 ± 7.257 χ^2/NDF : 28.9/26

Left Out: -11.111 ± 6.653 χ^2/NDF : 17.5/23

Right Out: -9.623 ± 6.901 χ^2/NDF : 33.2/30

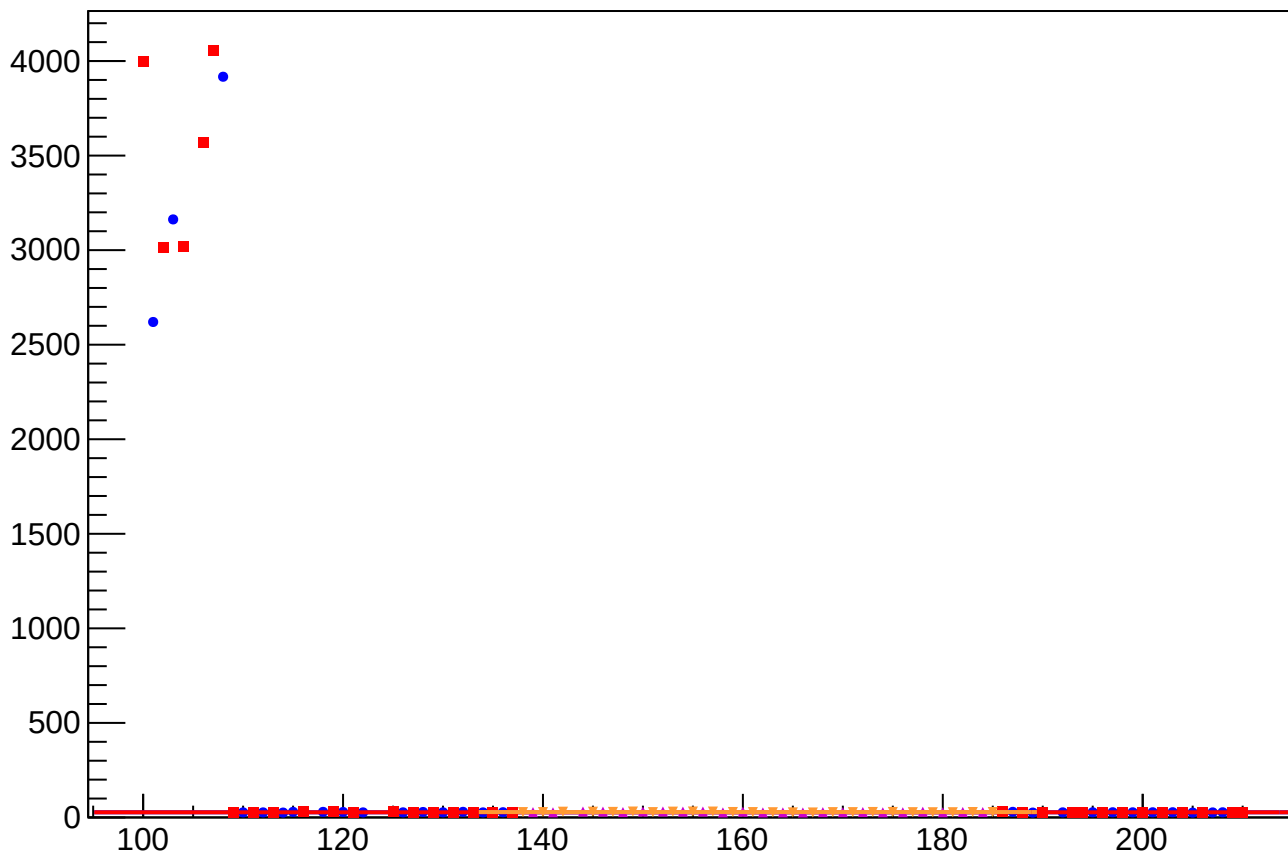
Left In: -2.576 ± 6.732 χ^2/NDF : 22.2/22

+ sign -8.265 ± 4.904 χ^2/NDF : 46.8/50

All: -7.119 ± 3.437 χ^2/NDF : 102.9/104

- sign -6.012 ± 4.819 χ^2/NDF : 55.9/53

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.321+/-0.005 χ^2/NDF : 3284730.6/26

Left Out: 28.592+/-0.005 χ^2/NDF : 80997.4/23

Right Out: 27.269+/-0.005 χ^2/NDF : 3596633.1/30

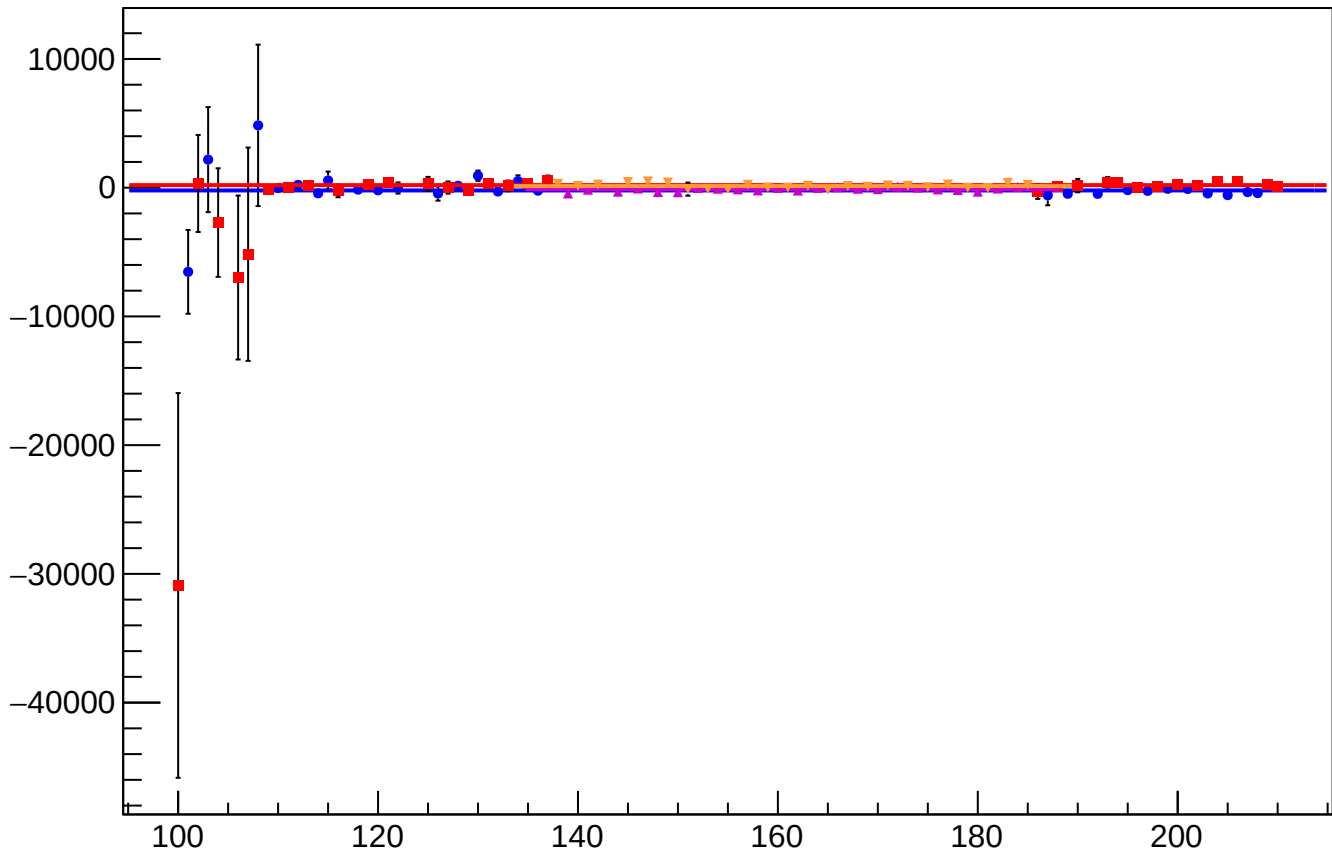
Left In: 28.728+/-0.005 χ^2/NDF : 127383.0/22

+ sign 28.012+/-0.003 χ^2/NDF : 3399093.9/50

All: 28.014+/-0.002 χ^2/NDF : 7168890.1/104

- sign 28.016+/-0.003 χ^2/NDF : 3769795.1/53

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -213.343 ± 47.289 χ^2/NDF : 34.0/26

Left Out: 126.373 ± 47.852 χ^2/NDF : 11.6/23

Right Out: 199.895 ± 44.990 χ^2/NDF : 23.9/30

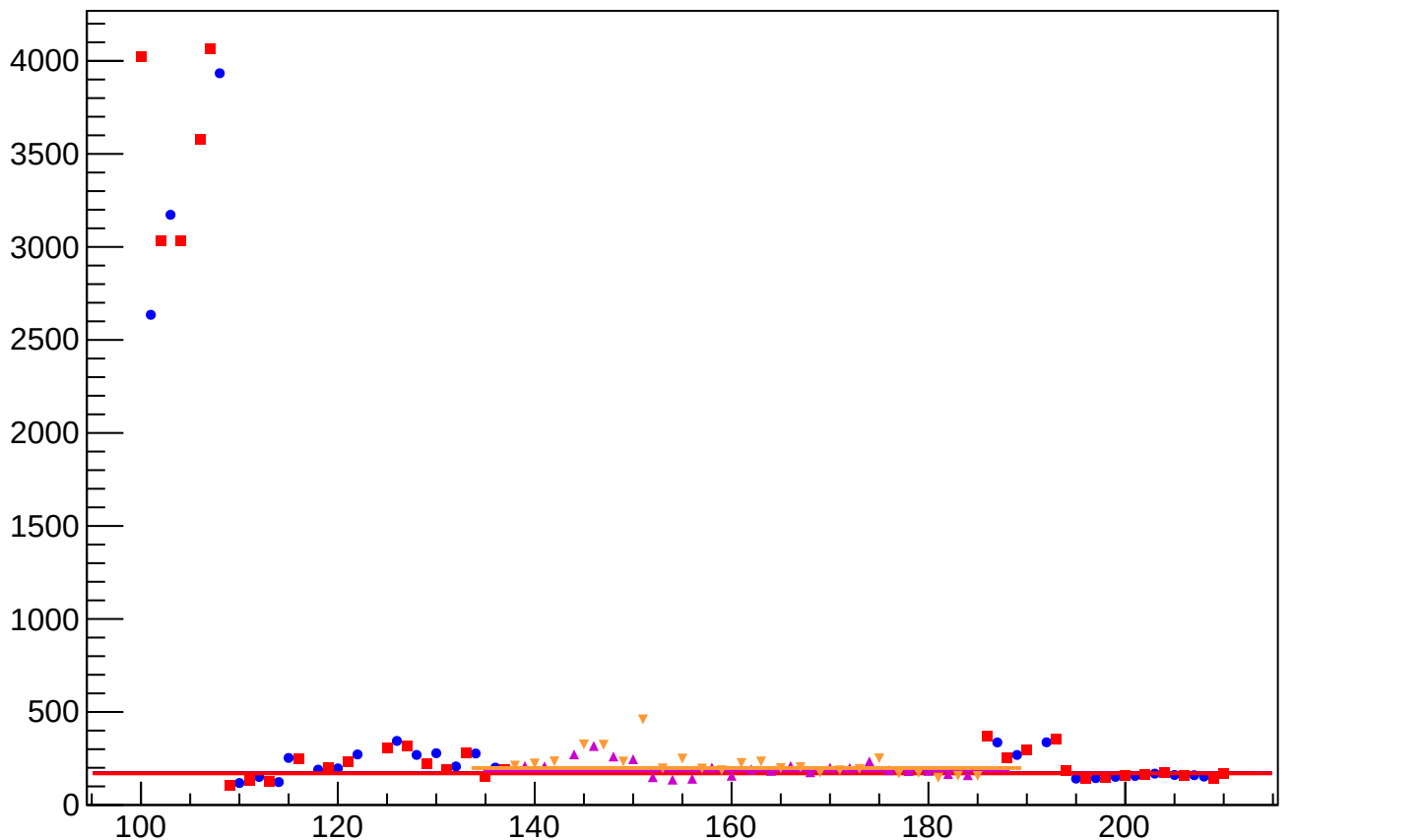
Left In: -122.809 ± 45.199 χ^2/NDF : 8.0/22

+ sign -45.496 ± 33.636 χ^2/NDF : 71.1/50

All: -0.842 ± 23.141 χ^2/NDF : 131.9/104

- sign 39.288 ± 31.886 χ^2/NDF : 57.5/53

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 171.711 $\pm$ 0.033 χ^2 /NDF: 4867370.8/26

Left Out: 198.736 $\pm$ 0.034 χ^2 /NDF: 1786406.6/23

Right Out: 170.379 $\pm$ 0.032 χ^2 /NDF: 5404733.6/30

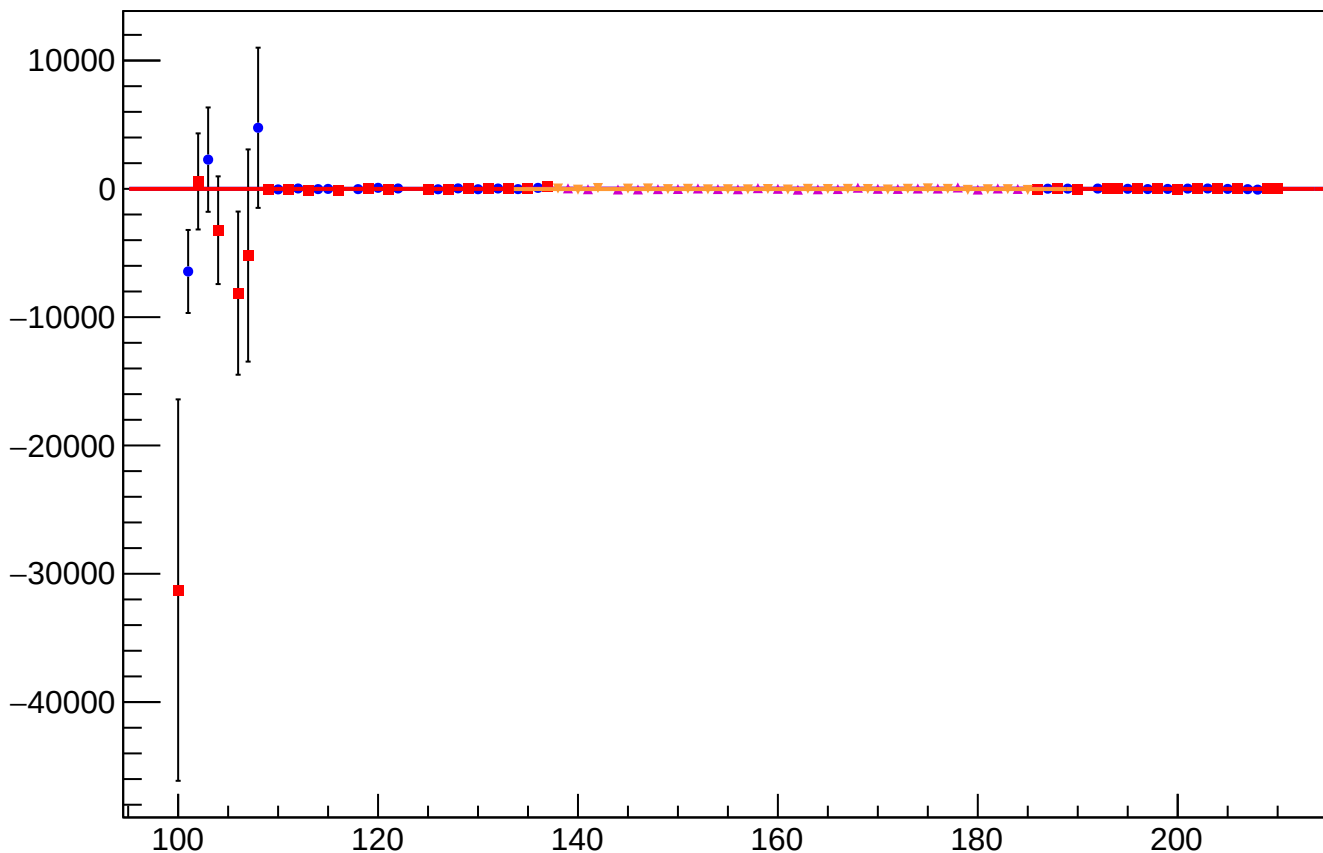
Left In: 185.871 $\pm$ 0.032 χ^2 /NDF: 1405525.2/22

+ sign 185.063 $\pm$ 0.024 χ^2 /NDF: 6976512.0/50

All: 181.390 $\pm$ 0.016 χ^2 /NDF: 13950083.9/10

- sign 178.089 $\pm$ 0.023 χ^2 /NDF: 6928288.4/53

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 3.392 ± 8.016 χ^2/NDF : 22.6/26

Left Out: -18.187 ± 7.260 χ^2/NDF : 20.3/23

Right Out: -4.164 ± 7.628 χ^2/NDF : 38.8/30

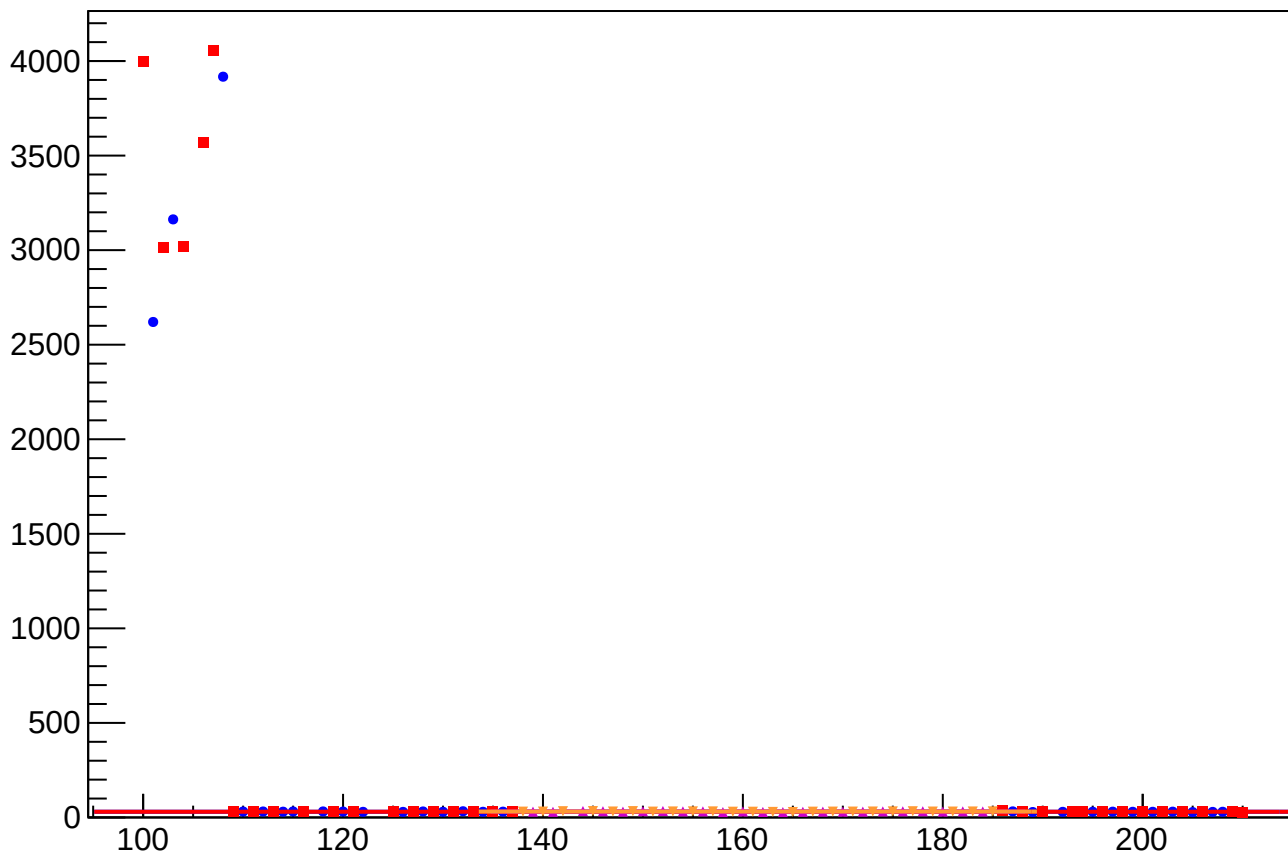
Left In: 2.709 ± 7.348 χ^2/NDF : 35.5/22

+ sign -8.464 ± 5.381 χ^2/NDF : 46.9/50

All: -4.466 ± 3.773 χ^2/NDF : 122.8/104

- sign -0.599 ± 5.292 χ^2/NDF : 74.8/53

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.191+/-0.006 χ^2/NDF : 3273603.3/26

Left Out: 31.221+/-0.005 χ^2/NDF : 47423.0/23

Right Out: 30.157+/-0.005 χ^2/NDF : 3569777.2/30

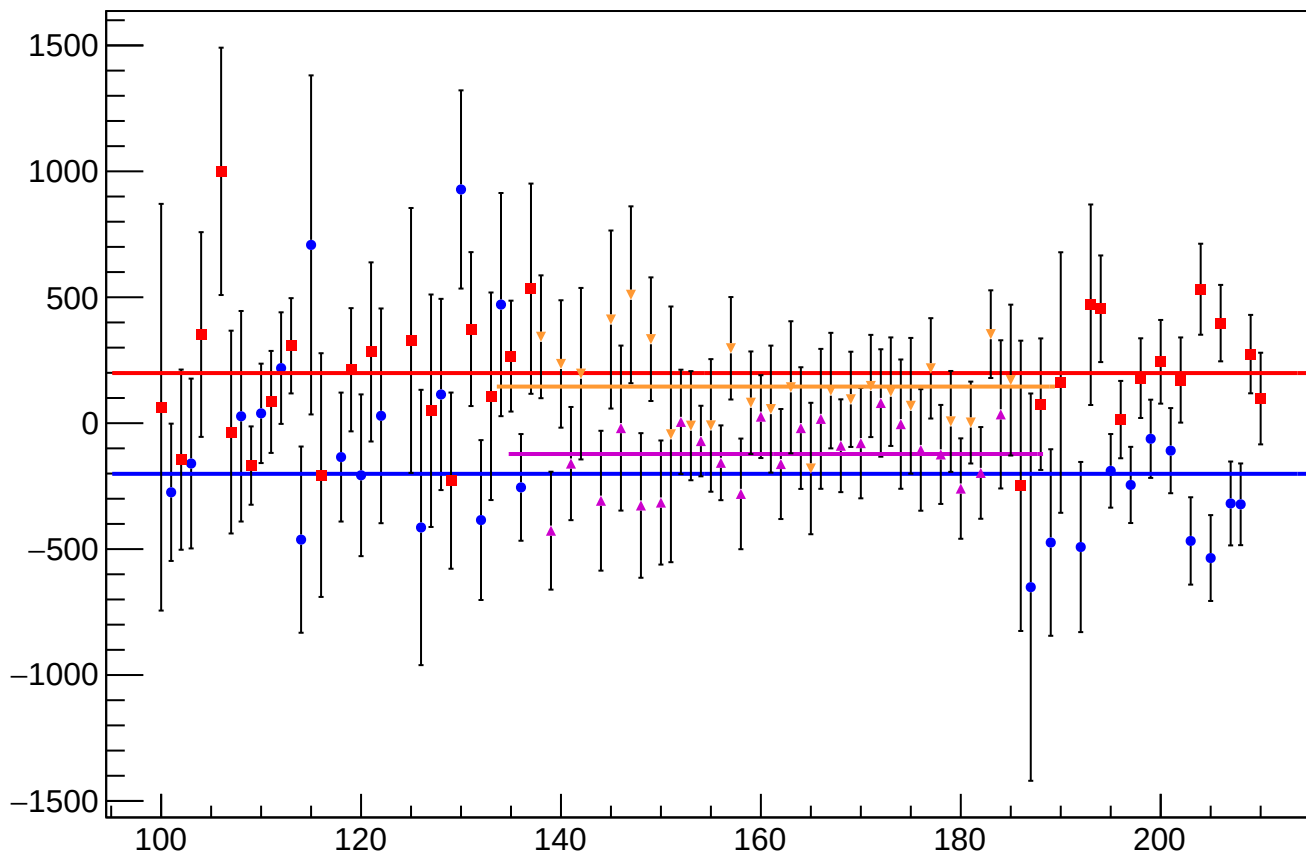
Left In: 31.379+/-0.005 χ^2/NDF : 85229.7/22

+ sign 30.757+/-0.004 χ^2/NDF : 3339188.4/50

All: 30.774+/-0.003 χ^2/NDF : 7020859.2/104

- sign 30.791+/-0.004 χ^2/NDF : 3681629.8/53

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -201.094 ± 44.970 $\chi^2/\text{NDF}: 30.0/26$

Left Out: 145.314 ± 47.390 $\chi^2/\text{NDF}: 9.4/23$

Right Out: 199.006 ± 42.379 $\chi^2/\text{NDF}: 23.8/30$

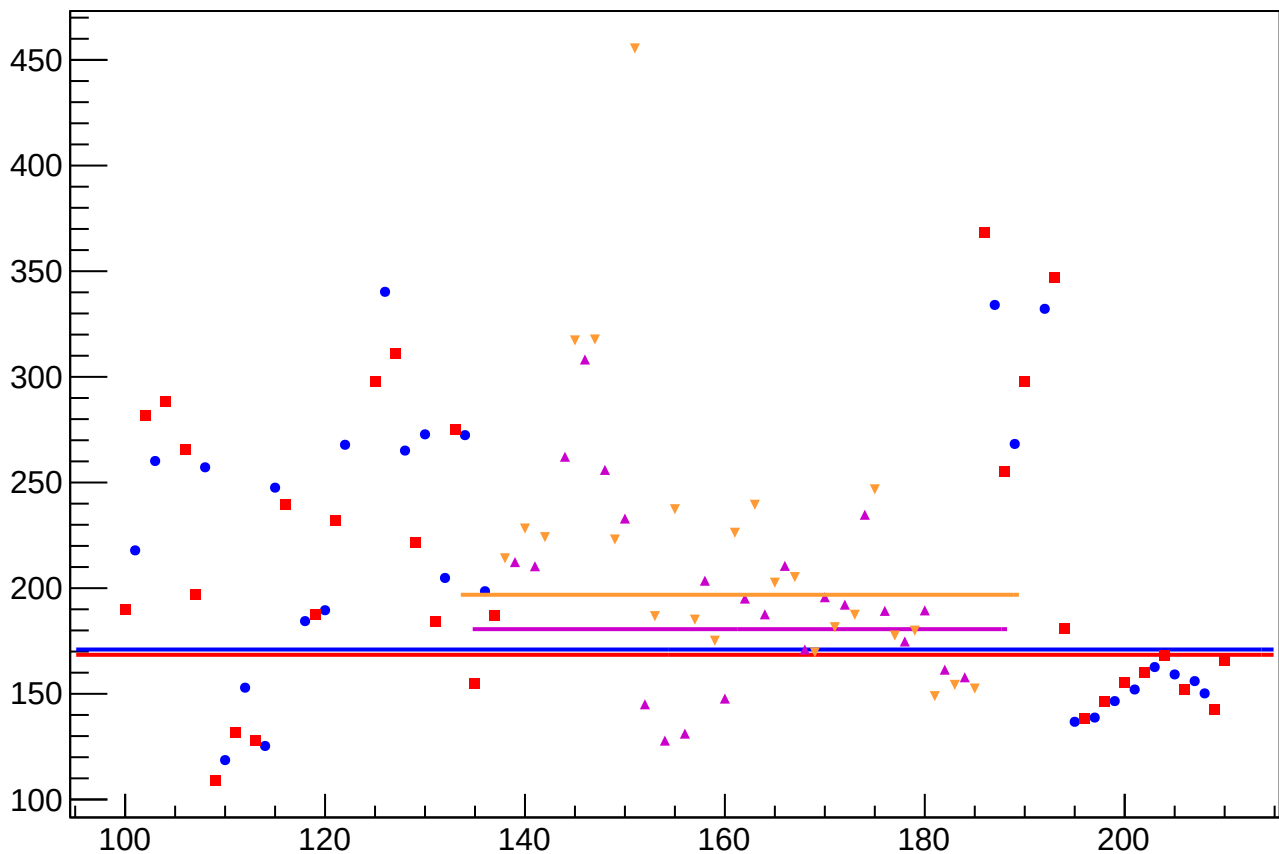
Left In: -122.376 ± 44.081 $\chi^2/\text{NDF}: 7.9/22$

+ sign -36.960 ± 32.621 $\chi^2/\text{NDF}: 67.5/50$

All: 6.512 ± 22.298 $\chi^2/\text{NDF}: 130.1/104$

- sign 44.640 ± 30.550 $\chi^2/\text{NDF}: 59.3/53$

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 170.974 ± 0.032 χ^2/NDF : 2241758.6/26

Left Out: 196.873 ± 0.034 χ^2/NDF : 1725106.9/23

Right Out: 168.466 ± 0.030 χ^2/NDF : 2752372.5/30

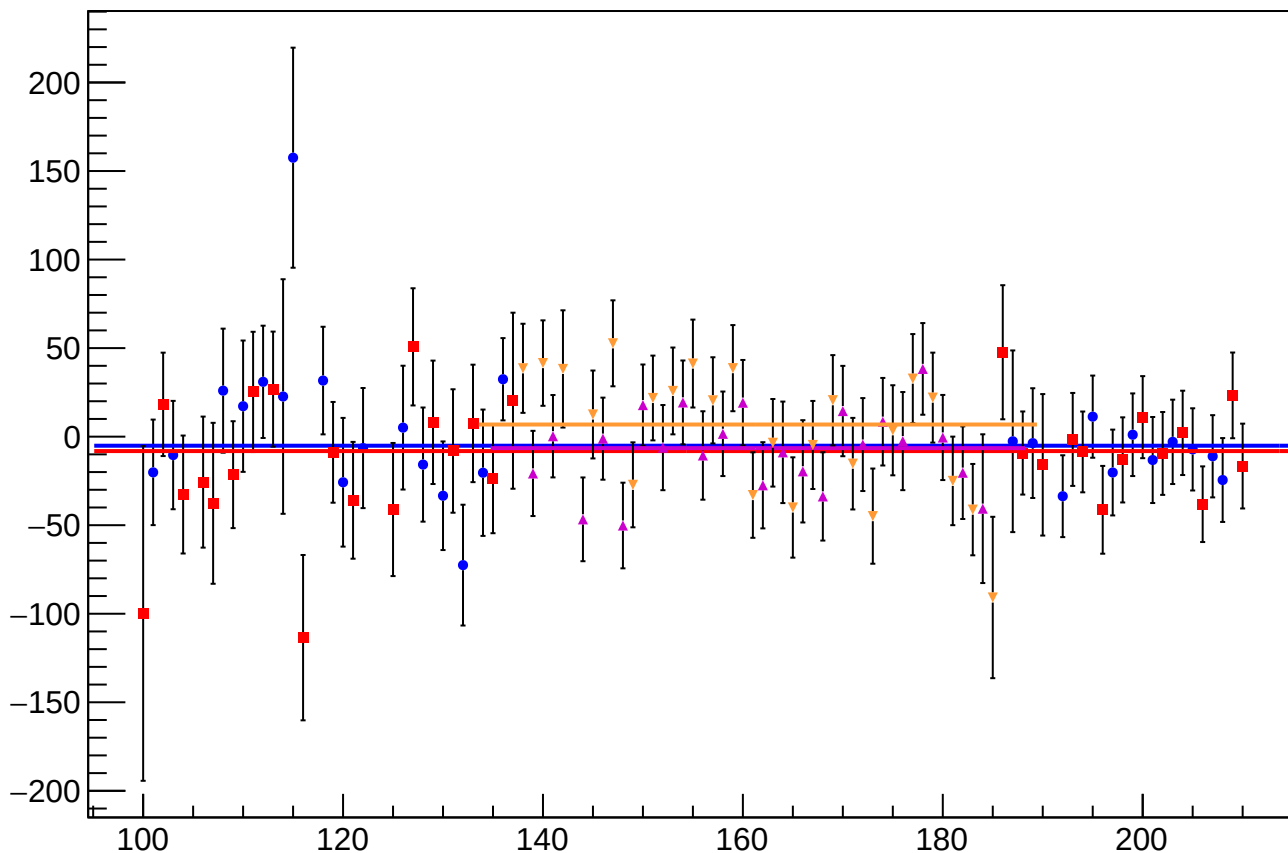
Left In: 180.601 ± 0.031 χ^2/NDF : 1628072.3/22

+ sign 183.245 ± 0.023 χ^2/NDF : 4281178.9/50

All: 178.477 ± 0.016 χ^2/NDF : 8820613.6/104

- sign 174.295 ± 0.022 χ^2/NDF : 4459220.8/53

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -5.117 ± 5.597 χ^2/NDF : 22.6/26

Left Out: 6.857 ± 5.229 χ^2/NDF : 36.8/23

Right Out: -8.145 ± 5.305 χ^2/NDF : 24.8/30

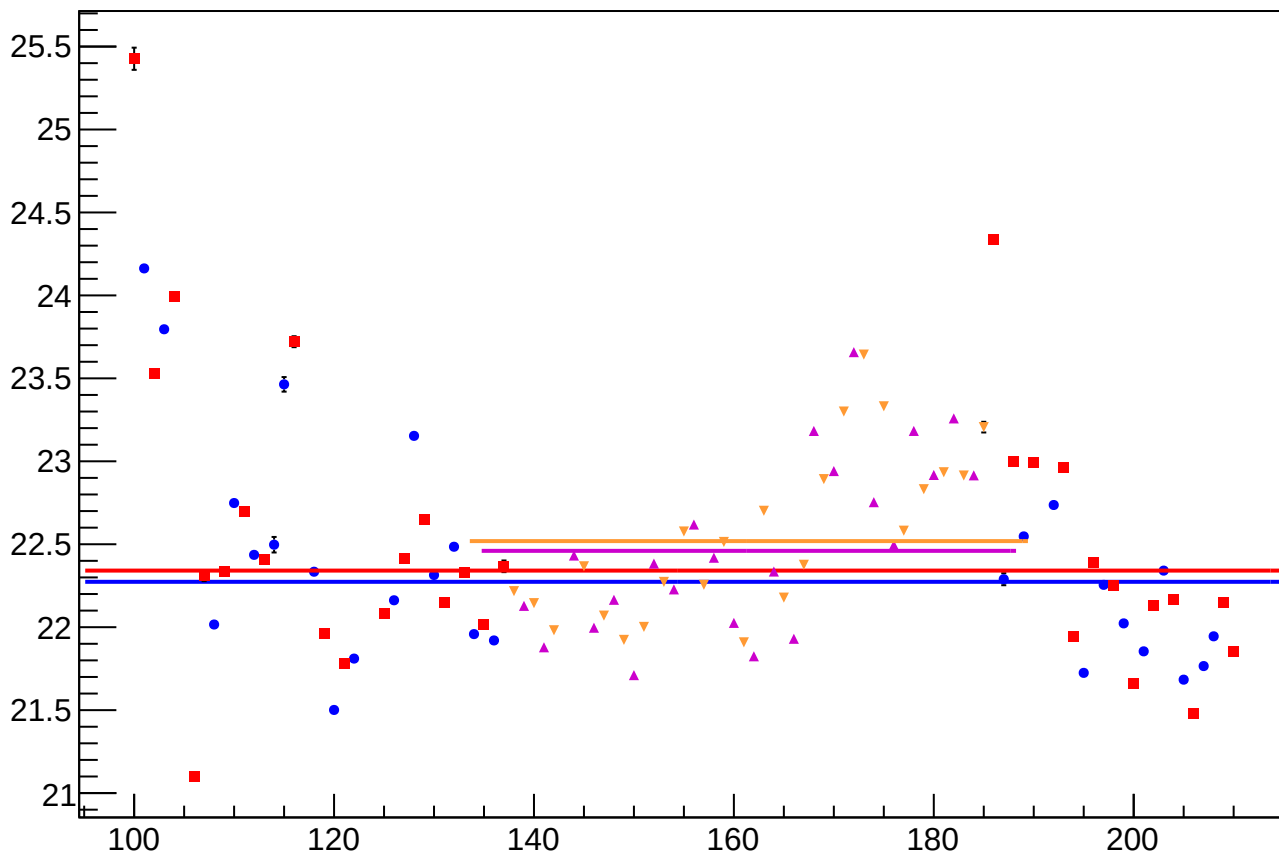
Left In: -6.482 ± 5.247 χ^2/NDF : 17.4/22

+ sign 1.277 ± 3.821 χ^2/NDF : 61.9/50

All: -3.116 ± 2.669 χ^2/NDF : 106.8/104

- sign -7.304 ± 3.730 χ^2/NDF : 42.3/53

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.274 $\pm$ 0.004 χ^2 /NDF: 23287.3/26

Left Out: 22.519 $\pm$ 0.004 χ^2 /NDF: 15998.2/23

Right Out: 22.341 $\pm$ 0.004 χ^2 /NDF: 31703.9/30

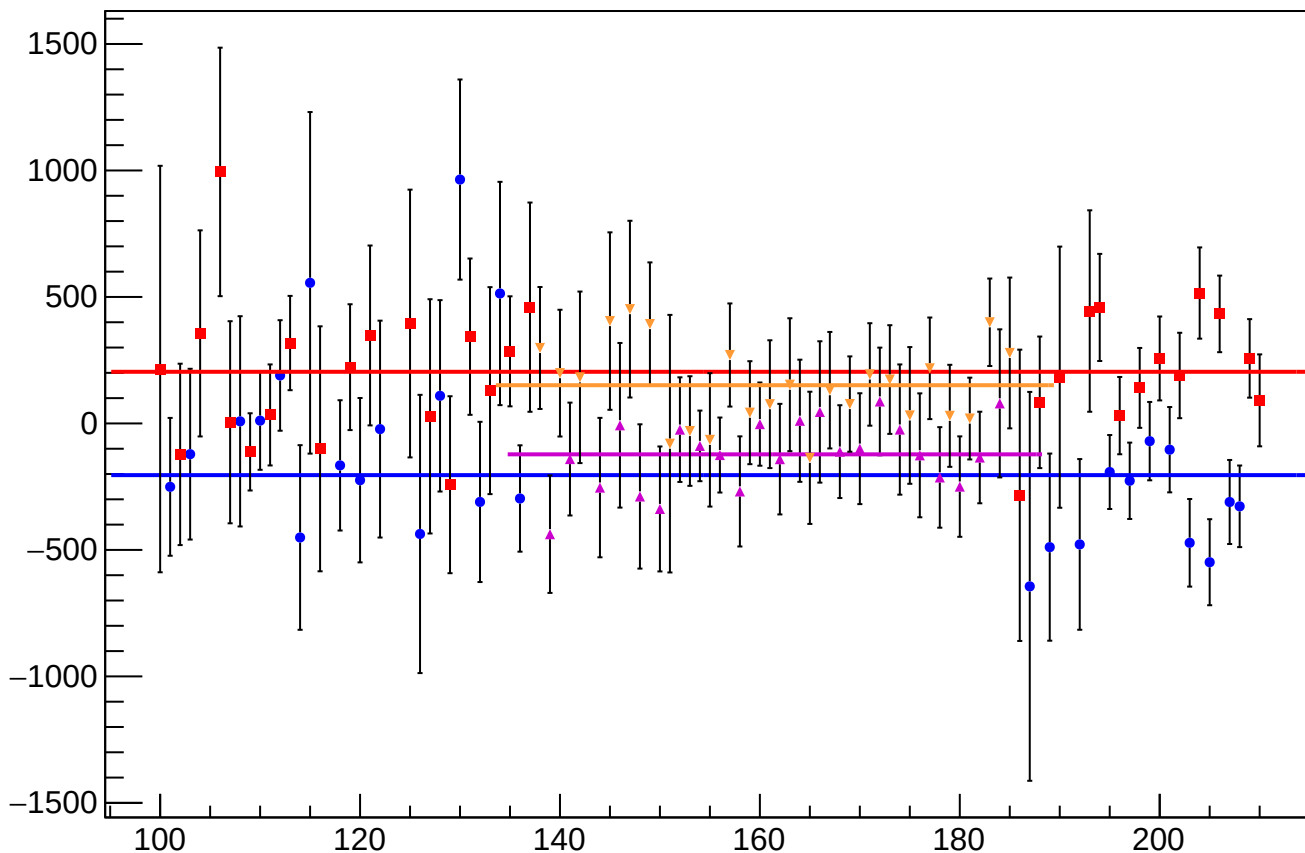
Left In: 22.460 $\pm$ 0.004 χ^2 /NDF: 19117.2/22

+ sign 22.405 $\pm$ 0.003 χ^2 /NDF: 41338.1/50

All: 22.403 $\pm$ 0.002 χ^2 /NDF: 92668.5/104

- sign 22.401 $\pm$ 0.003 χ^2 /NDF: 51329.6/53

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -204.349 ± 44.833 χ^2/NDF : 29.5/26

Left Out: 151.108 ± 47.316 χ^2/NDF : 10.0/23

Right Out: 204.161 ± 42.202 χ^2/NDF : 22.5/30

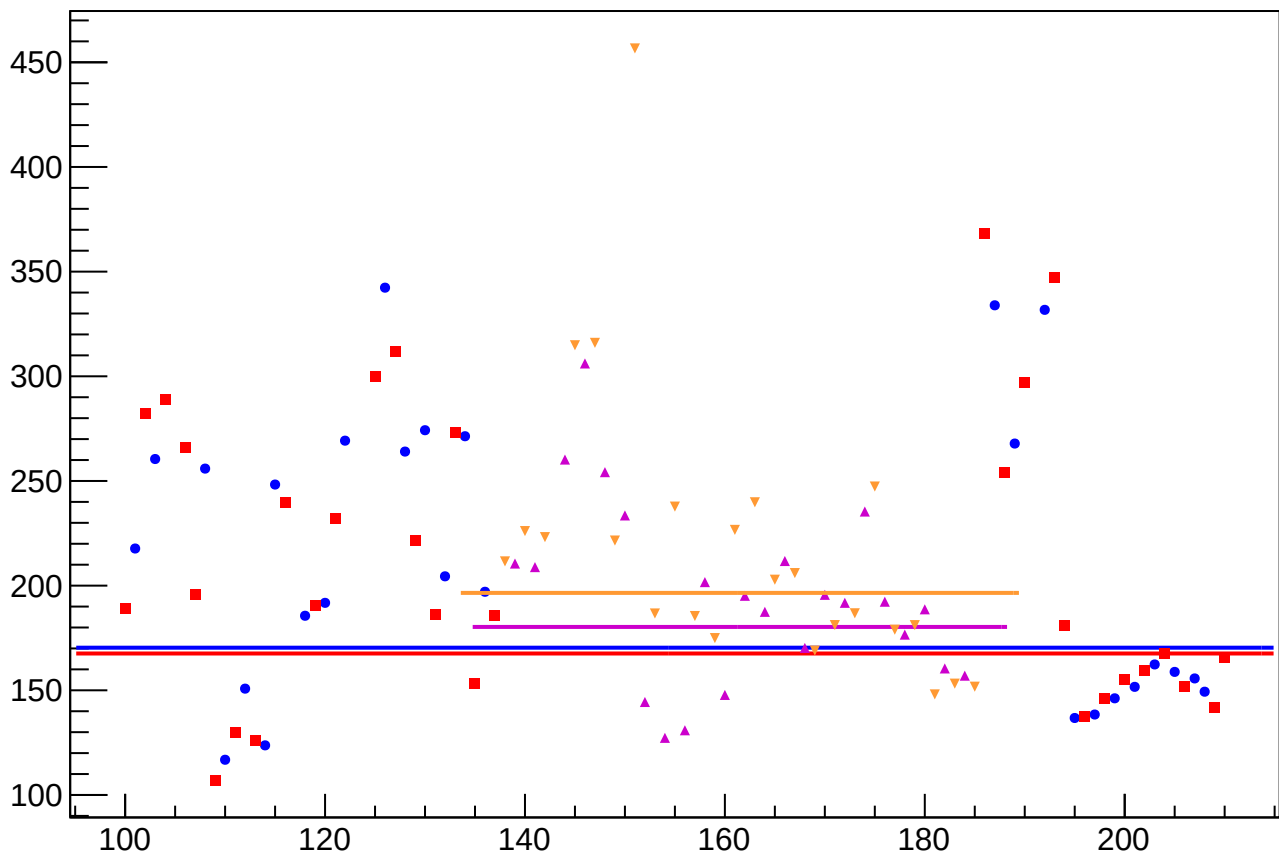
Left In: -122.165 ± 44.006 χ^2/NDF : 7.5/22

+ sign -36.190 ± 32.544 χ^2/NDF : 69.2/50

All: 8.594 ± 22.239 χ^2/NDF : 131.4/104

- sign 47.824 ± 30.459 χ^2/NDF : 58.6/53

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 170.358 $\pm$ 0.032 χ^2 /NDF: 2272220.3/26

Left Out: 196.533 $\pm$ 0.033 χ^2 /NDF:1727888.6/23

Right Out: 167.582 $\pm$ 0.030 χ^2 /NDF: 2819276.3/30

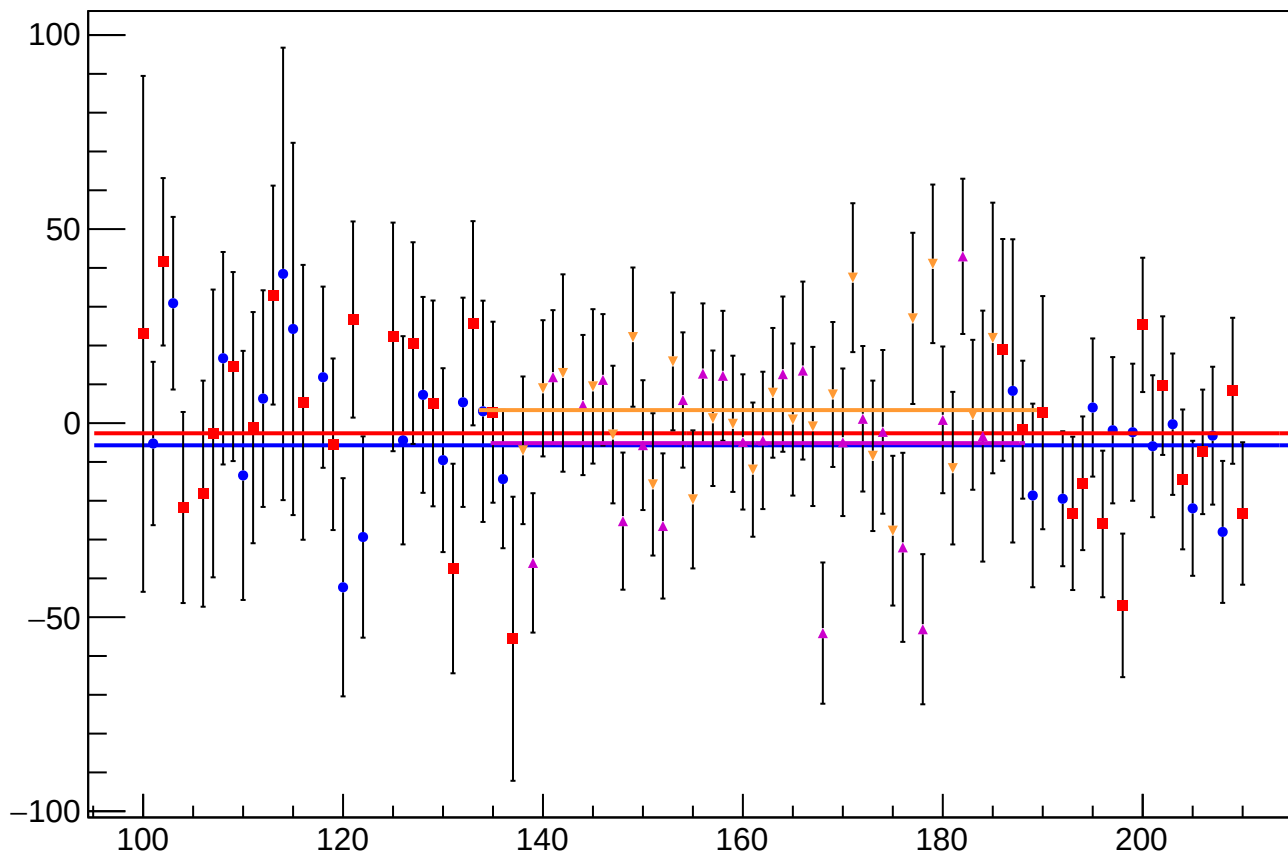
Left In: 180.274 $\pm$ 0.031 χ^2 /NDF:1624682.7/22

+ sign 182.741 $\pm$ 0.023 χ^2 /NDF: 4322633.0/50

All: 177.902 $\pm$ 0.016 χ^2 /NDF: 8936219.1/104

- sign 173.663 $\pm$ 0.022 χ^2 /NDF: 4530628.8/53

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -5.713 ± 4.300 χ^2/NDF : 12.4/26

Left Out: 3.359 ± 3.905 χ^2/NDF : 17.7/23

Right Out: -2.613 ± 4.073 χ^2/NDF : 30.0/30

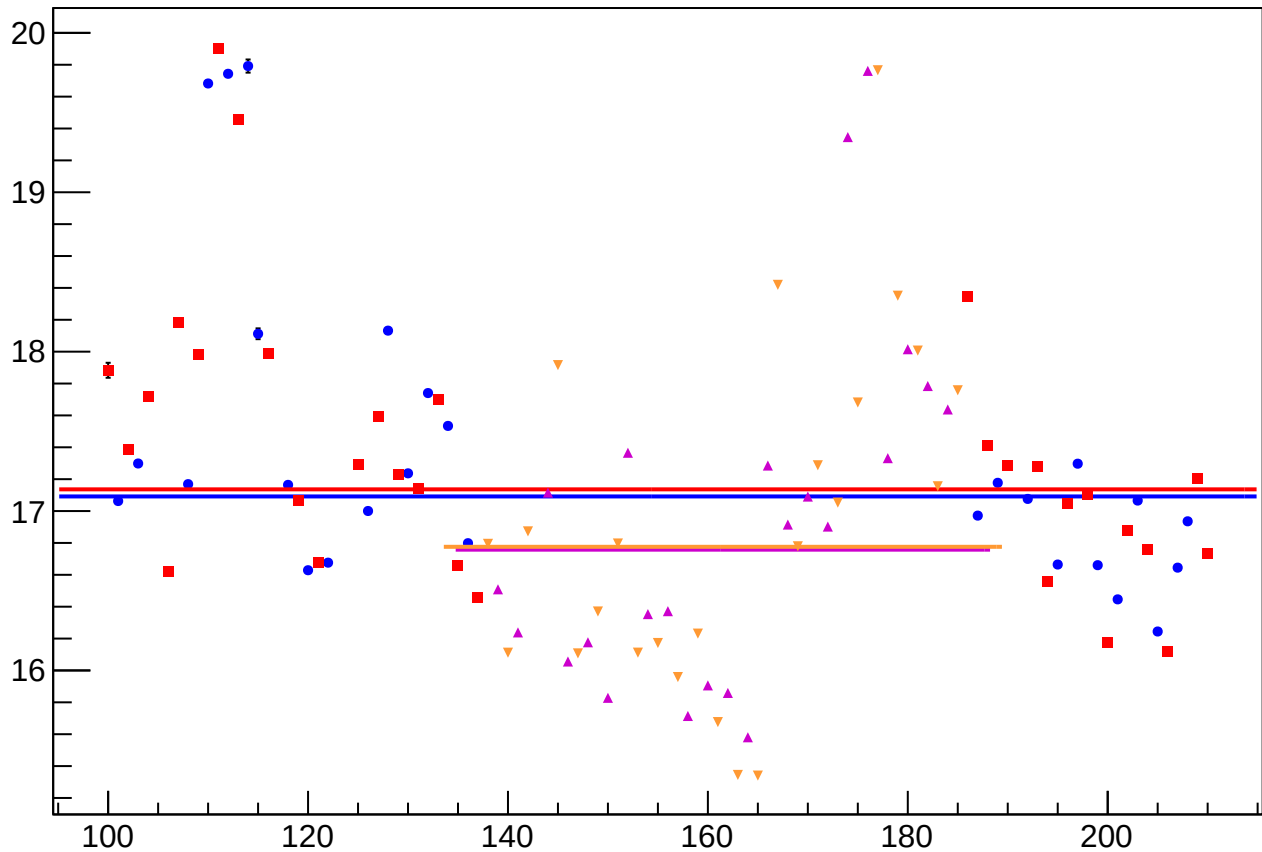
Left In: -5.150 ± 3.924 χ^2/NDF : 32.3/22

+ sign -0.740 ± 2.891 χ^2/NDF : 32.5/50

All: -2.371 ± 2.021 χ^2/NDF : 95.7/104

- sign -3.929 ± 2.826 χ^2/NDF : 62.5/53

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.092 $\pm$ 0.003 χ^2 /NDF: 54502.3/26

Left Out: 16.776 $\pm$ 0.003 χ^2 /NDF:136142.5/23

Right Out: 17.136 $\pm$ 0.003 χ^2 /NDF: 65036.4/30

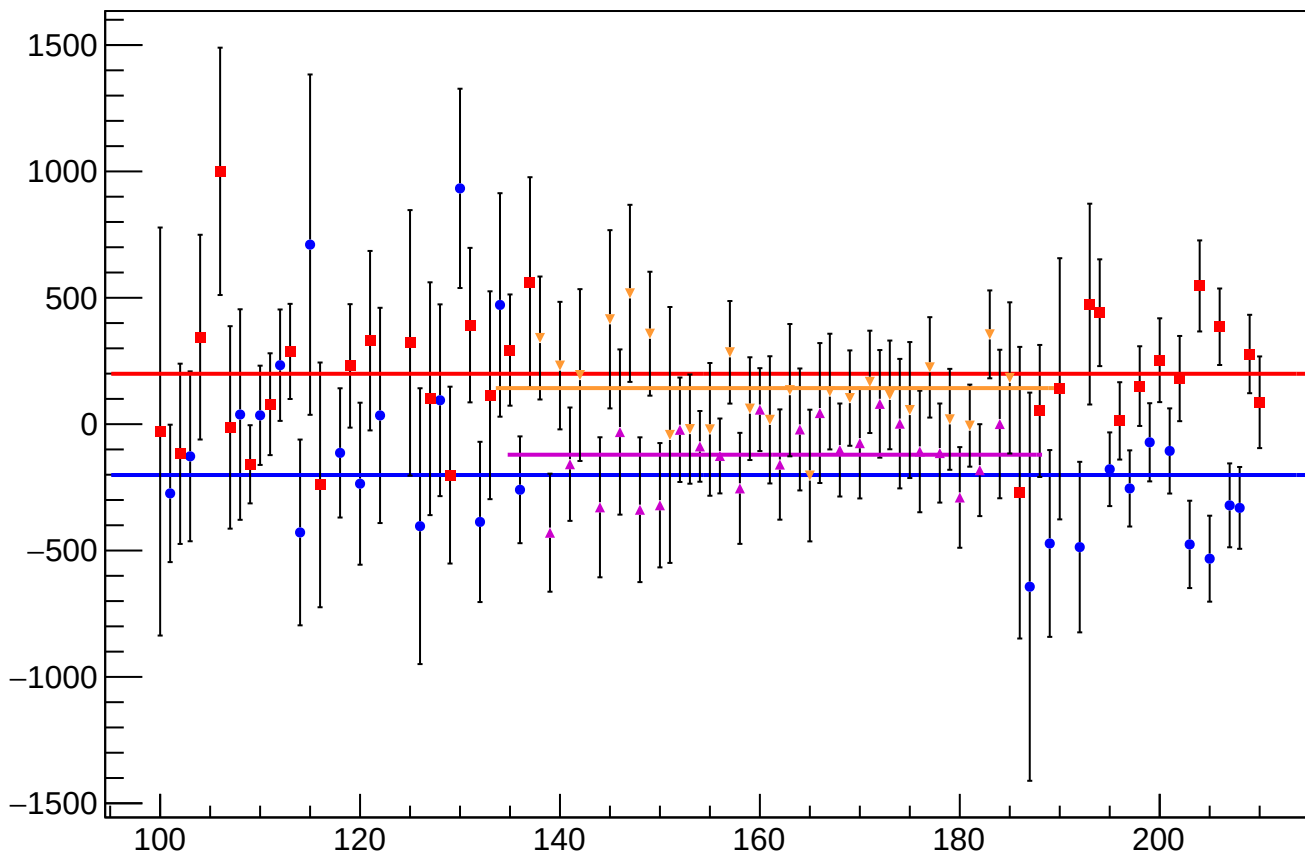
Left In: 16.758 $\pm$ 0.003 χ^2 /NDF:123306.8/22

+ sign 16.919 $\pm$ 0.002 χ^2 /NDF: 196562.5/50

All: 16.929 $\pm$ 0.001 χ^2 /NDF: 393912.8/104

- sign 16.940 $\pm$ 0.002 χ^2 /NDF: 197294.1/53

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -201.156 ± 44.834 χ^2/NDF : 30.4/26

Left Out: 142.696 ± 47.288 χ^2/NDF : 10.2/23

Right Out: 199.354 ± 42.251 χ^2/NDF : 24.0/30

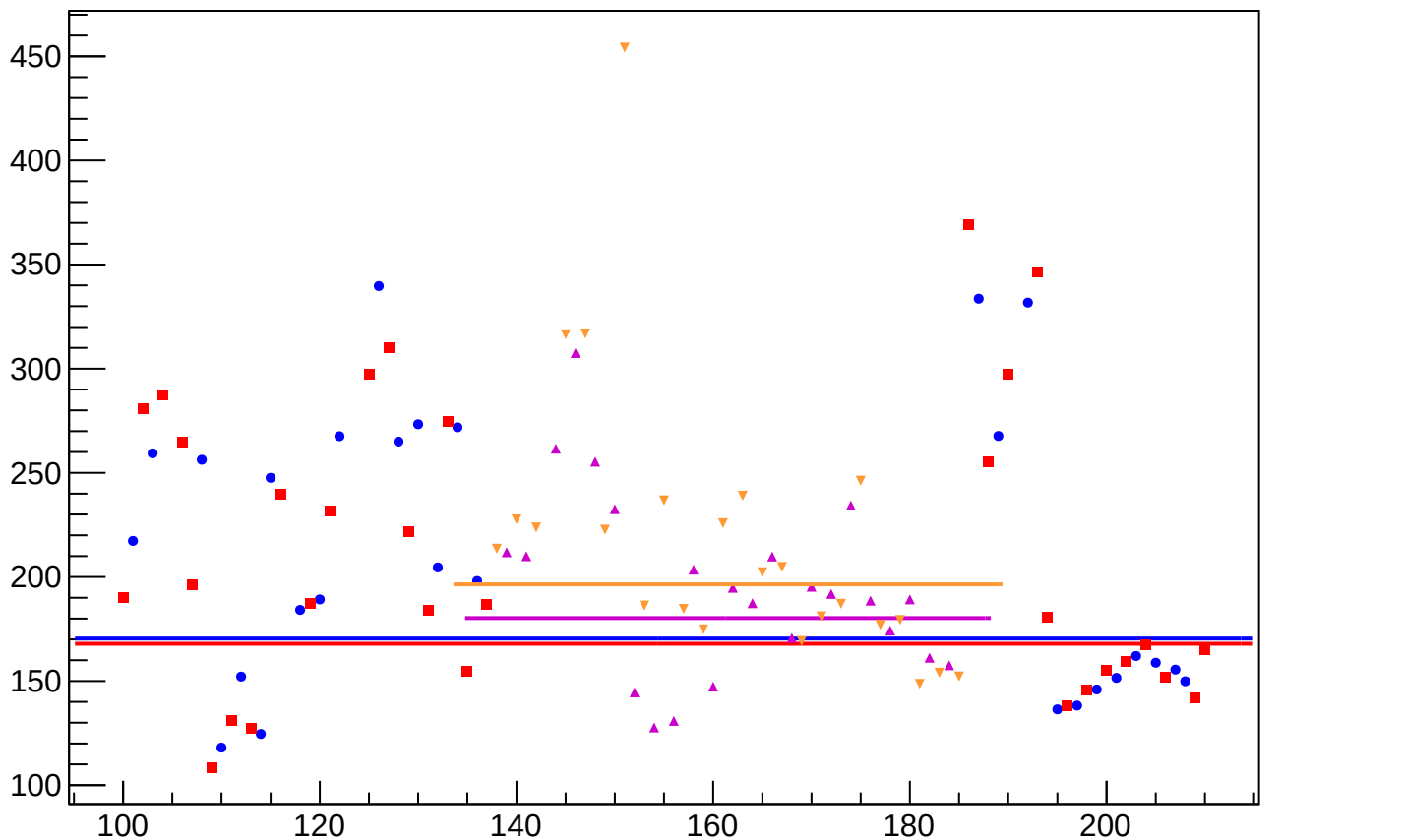
Left In: -120.888 ± 43.994 χ^2/NDF : 8.2/22

+ sign -38.382 ± 32.535 χ^2/NDF : 68.4/50

All: 6.410 ± 22.241 χ^2/NDF : 131.8/104

- sign 45.705 ± 30.474 χ^2/NDF : 59.8/53

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 170.420 $\pm$ 0.032 χ^2 /NDF: 2254065.3/26

Left Out: 196.452 $\pm$ 0.033 χ^2 /NDF:1723529.1/23

Right Out: 167.914 $\pm$ 0.030 χ^2 /NDF: 2769505.9/30

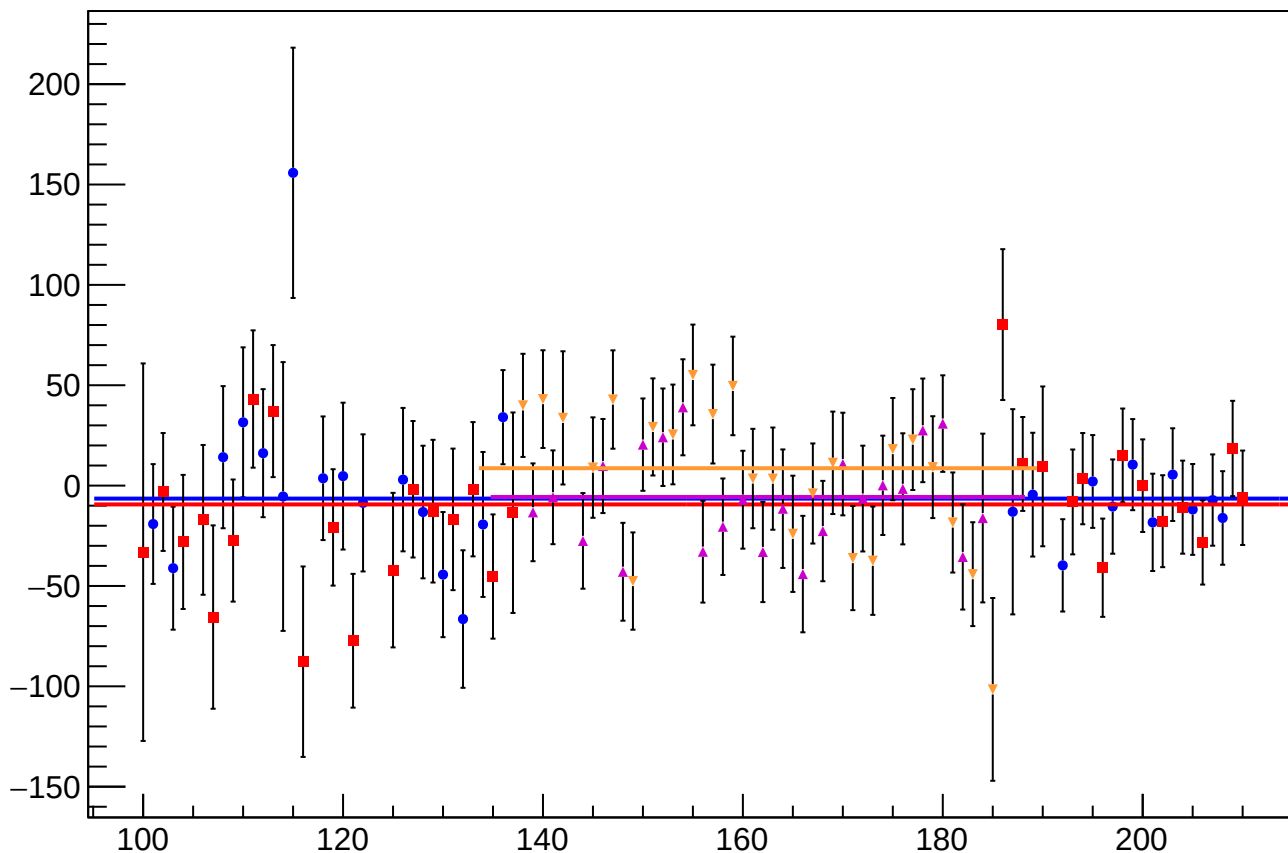
Left In: 180.248 $\pm$ 0.031 χ^2 /NDF:1627777.0/22

+ sign 182.743 $\pm$ 0.023 χ^2 /NDF: 4296775.8/50

All: 177.996 $\pm$ 0.016 χ^2 /NDF: 8855759.3/104

- sign 173.832 $\pm$ 0.022 χ^2 /NDF: 4479057.0/53

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -6.478 ± 5.569 χ^2/NDF : 21.7/26

Left Out: 8.664 ± 5.275 χ^2/NDF : 39.2/23

Right Out: -9.377 ± 5.285 χ^2/NDF : 28.2/30

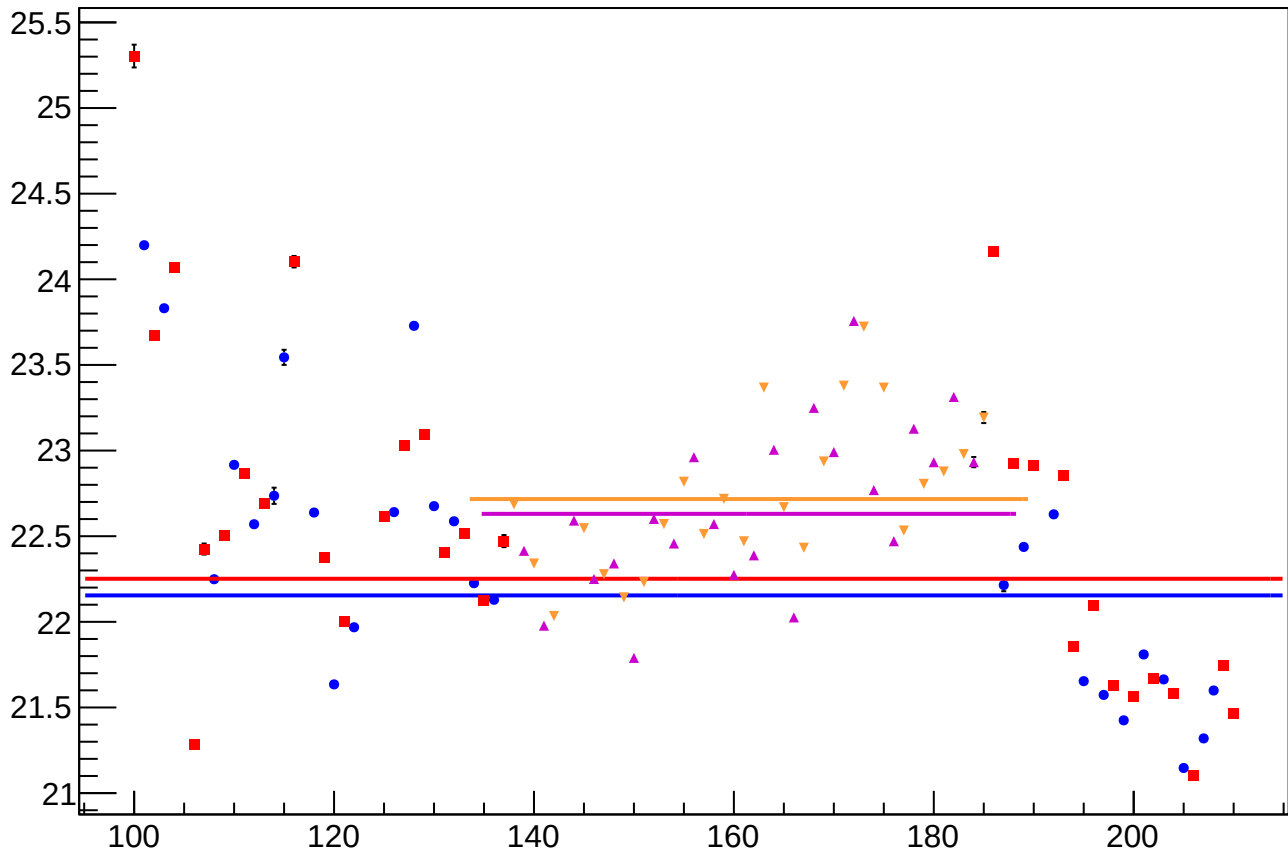
Left In: -5.668 ± 5.286 χ^2/NDF : 20.8/22

+ sign 1.503 ± 3.830 χ^2/NDF : 64.7/50

All: -3.120 ± 2.675 χ^2/NDF : 116.8/104

- sign -7.523 ± 3.737 χ^2/NDF : 49.2/53

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.154 $\pm$ 0.004 χ^2 /NDF: 38817.2/26

Left Out: 22.717 $\pm$ 0.004 χ^2 /NDF:12177.5/23

Right Out: 22.252 $\pm$ 0.004 χ^2 /NDF: 45399.9/30

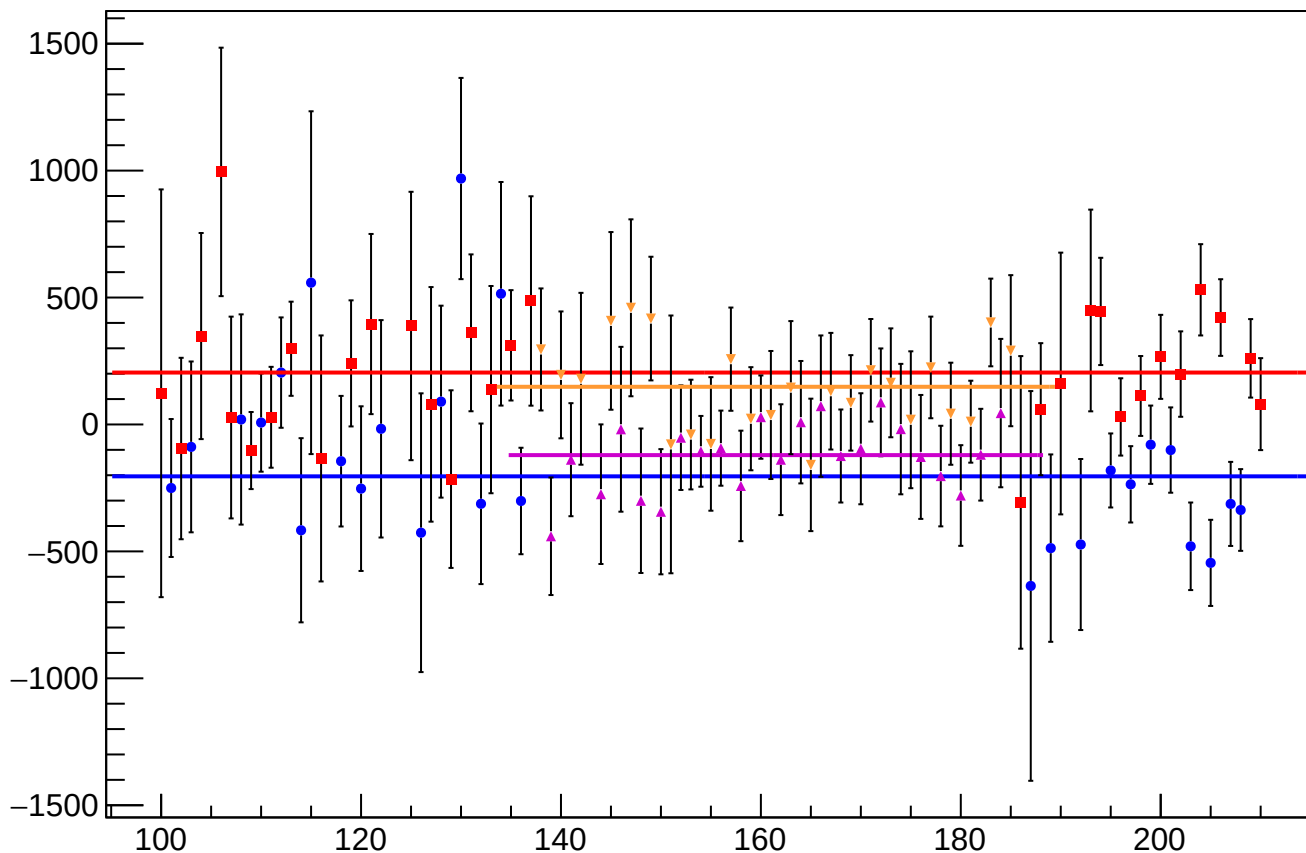
Left In: 22.631 $\pm$ 0.004 χ^2 /NDF:15391.4/22

+ sign 22.451 $\pm$ 0.003 χ^2 /NDF: 61757.6/50

All: 22.446 $\pm$ 0.002 χ^2 /NDF: 127697.4/104

- sign 22.441 $\pm$ 0.003 χ^2 /NDF: 65933.0/53

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -204.389 ± 44.696 χ^2/NDF : 29.9/26

Left Out: 148.424 ± 47.213 χ^2/NDF : 10.9/23

Right Out: 204.494 ± 42.073 χ^2/NDF : 22.7/30

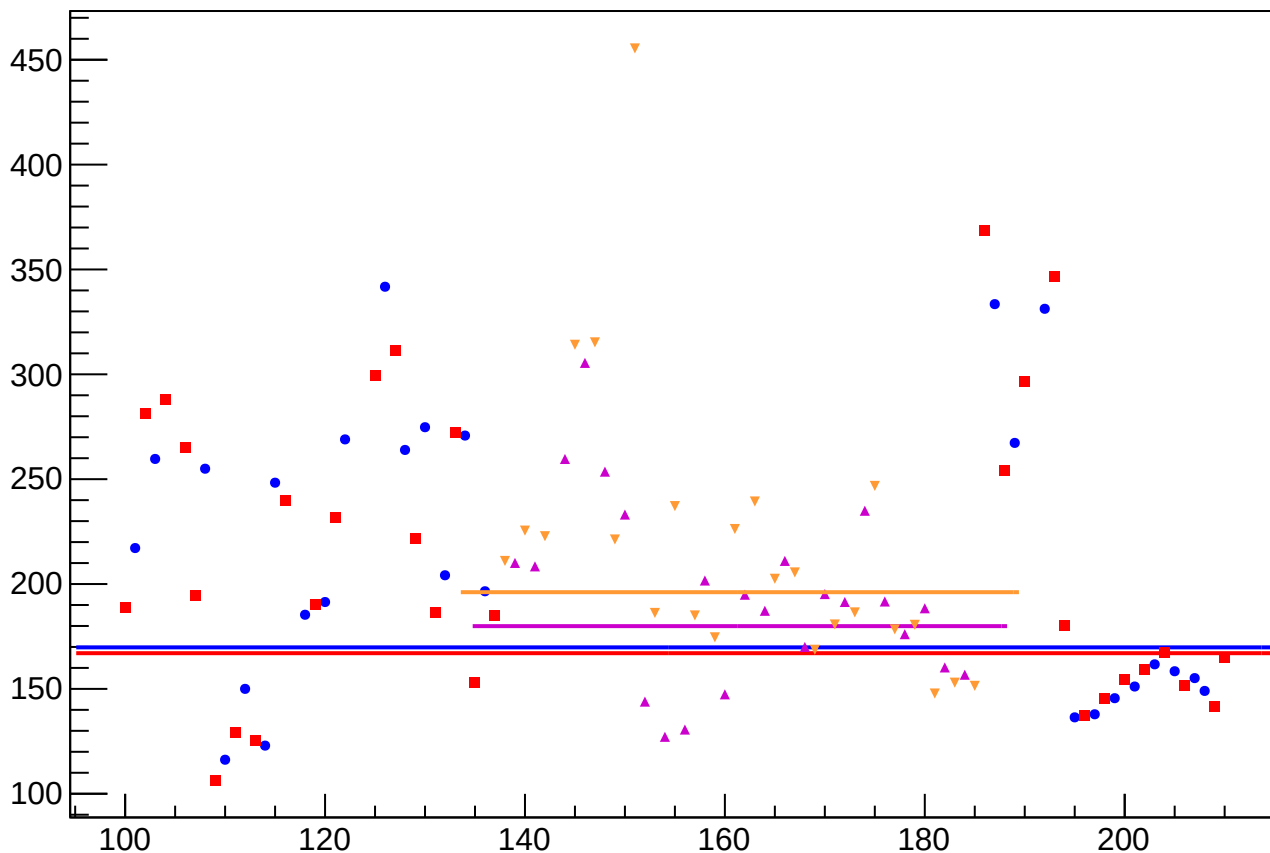
Left In: -120.760 ± 43.920 χ^2/NDF : 7.9/22

+ sign -37.638 ± 32.458 χ^2/NDF : 70.3/50

All: 8.460 ± 22.181 χ^2/NDF : 133.3/104

- sign 48.850 ± 30.382 χ^2/NDF : 59.2/53

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 169.799 $\pm$ 0.032 χ^2 /NDF: 2285010.3/26

Left Out: 196.112 $\pm$ 0.033 χ^2 /NDF:1726285.1/23

Right Out: 167.024 $\pm$ 0.030 χ^2 /NDF: 2837234.3/30

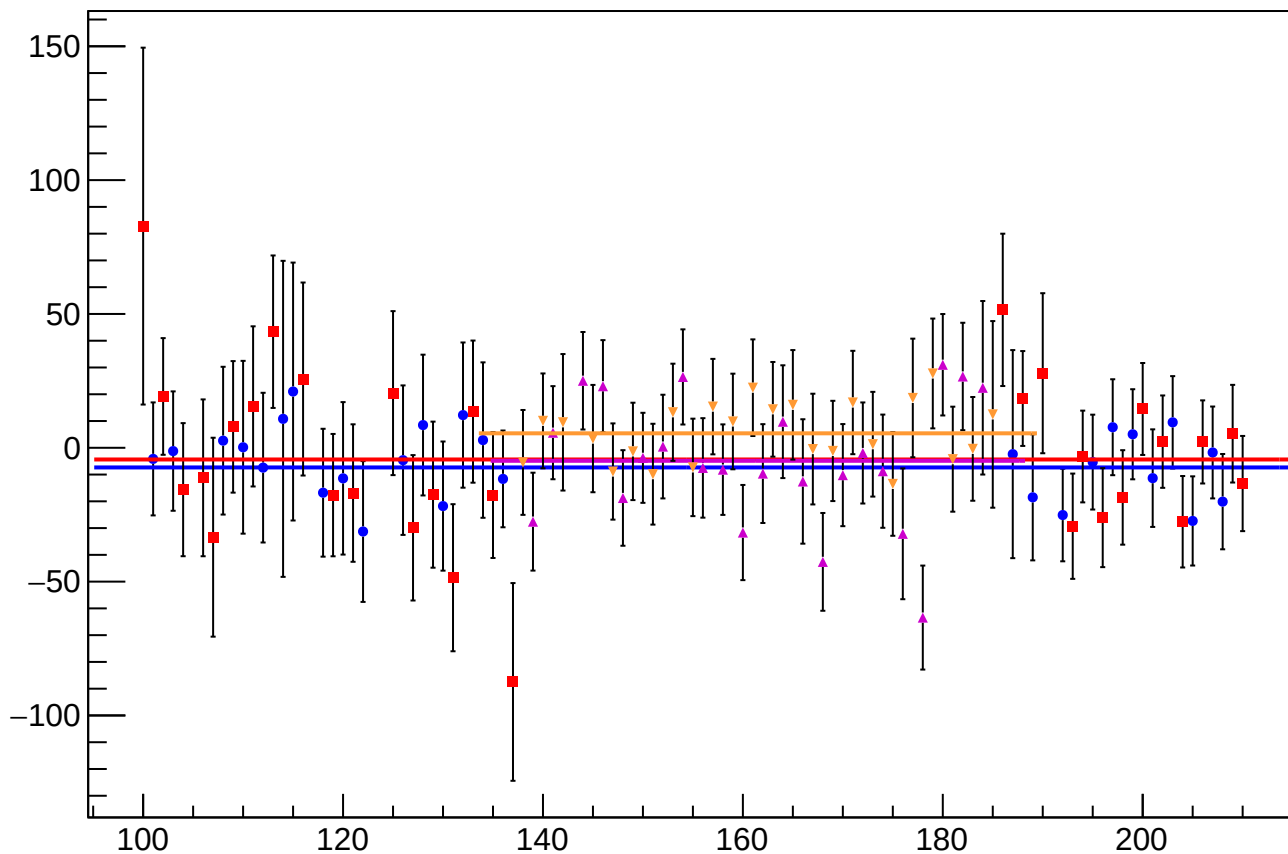
Left In: 179.923 $\pm$ 0.031 χ^2 /NDF:1624144.3/22

+ sign 182.236 $\pm$ 0.023 χ^2 /NDF: 4338908.2/50

All: 177.418 $\pm$ 0.016 χ^2 /NDF: 8972921.6/104

- sign 173.197 $\pm$ 0.021 χ^2 /NDF: 4551345.7/53

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -7.343 ± 4.257 χ^2/NDF : 8.8/26

Left Out: 5.406 ± 3.972 χ^2/NDF : 7.8/23

Right Out: -4.367 ± 4.041 χ^2/NDF : 32.9/30

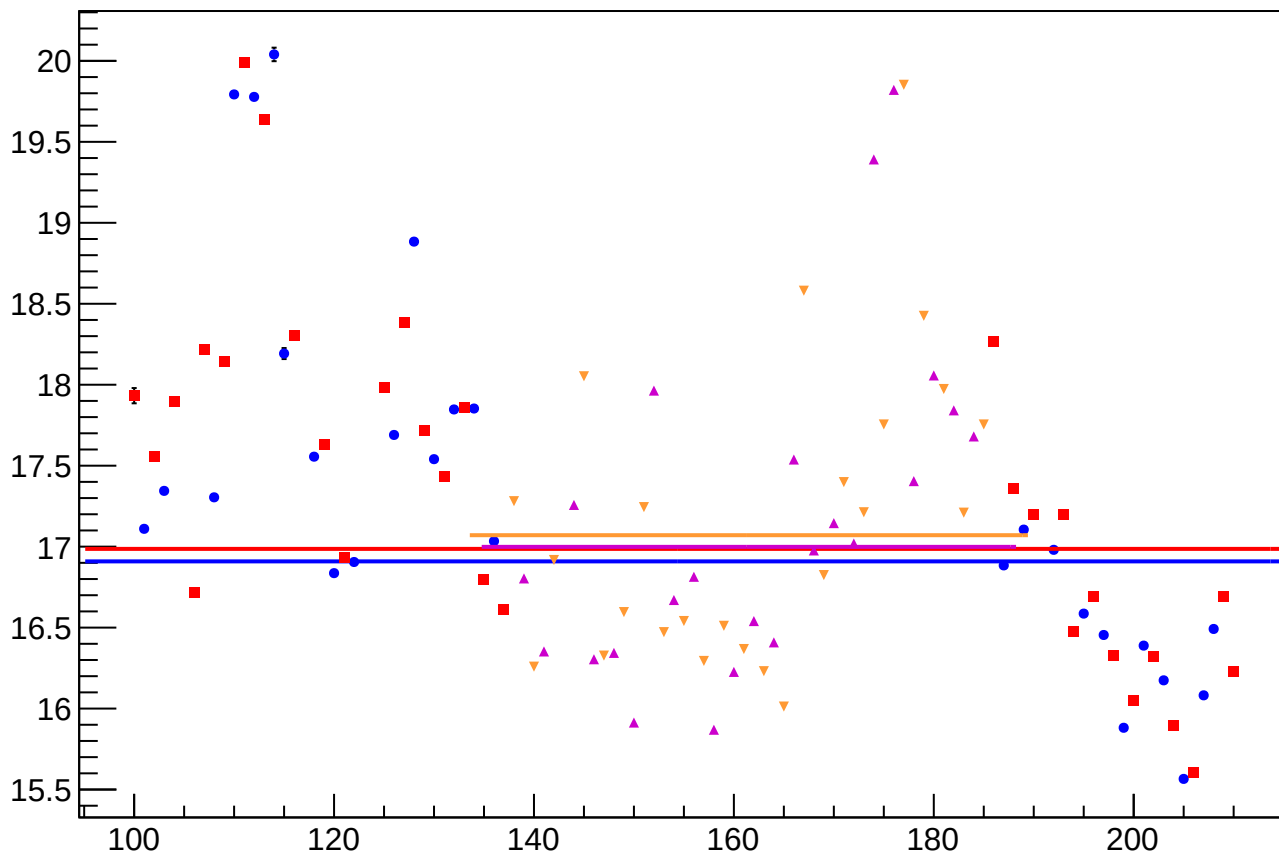
Left In: -4.858 ± 3.980 χ^2/NDF : 35.5/22

+ sign -0.526 ± 2.904 χ^2/NDF : 21.4/50

All: -2.620 ± 2.029 χ^2/NDF : 90.8/104

- sign -4.616 ± 2.836 χ^2/NDF : 68.5/53

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.909 $\pm$ 0.003 χ^2 /NDF: 99289.6/26

Left Out: 17.071 $\pm$ 0.003 χ^2 /NDF:96312.6/23

Right Out: 16.986 $\pm$ 0.003 χ^2 /NDF: 112321.9/30

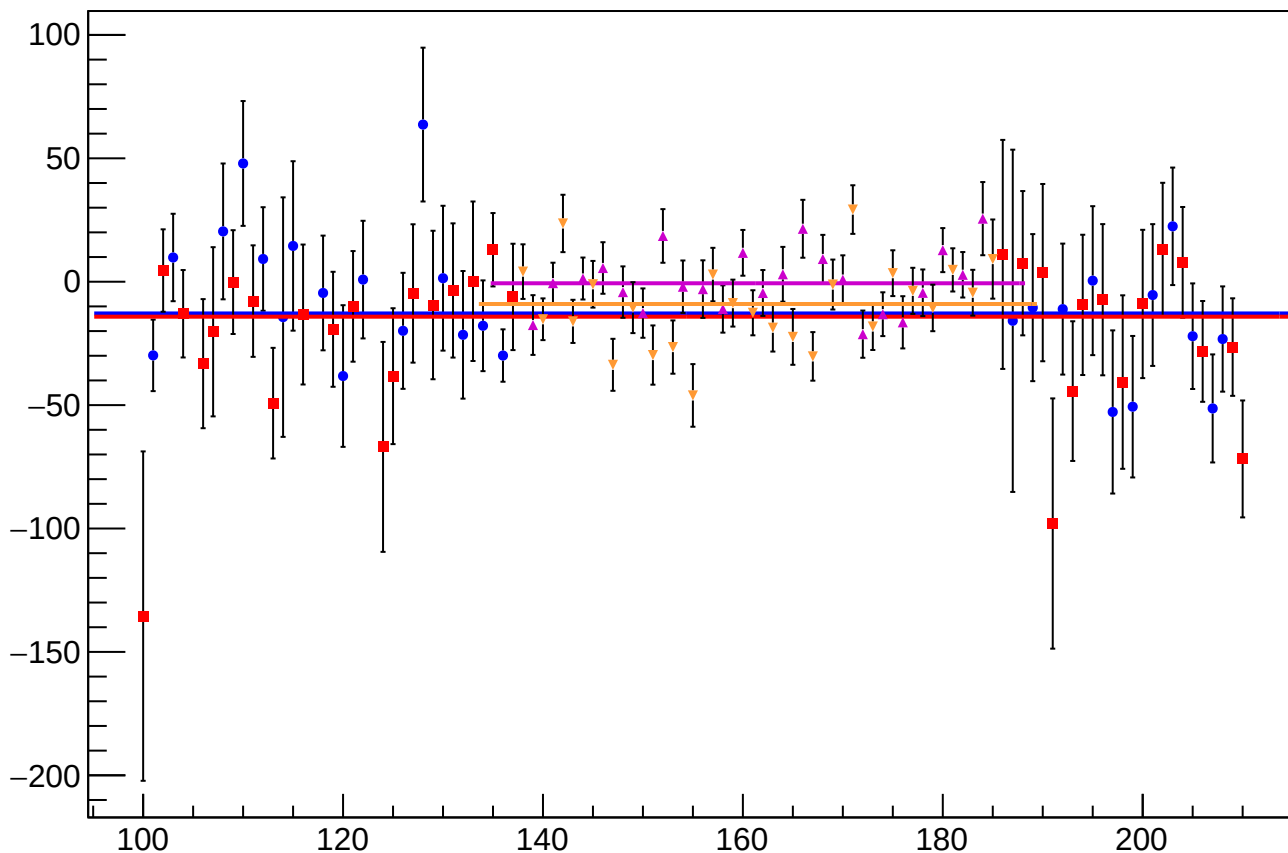
Left In: 16.999 $\pm$ 0.003 χ^2 /NDF:104021.0/22

+ sign 16.995 $\pm$ 0.002 χ^2 /NDF: 197145.1/50

All: 16.994 $\pm$ 0.001 χ^2 /NDF: 413498.8/104

- sign 16.993 $\pm$ 0.002 χ^2 /NDF: 216352.7/53

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -12.856 ± 4.387 χ^2/NDF : 31.5/26

Left Out: -9.027 ± 2.006 χ^2/NDF : 62.0/24

Right Out: -14.168 ± 4.377 χ^2/NDF : 28.8/32

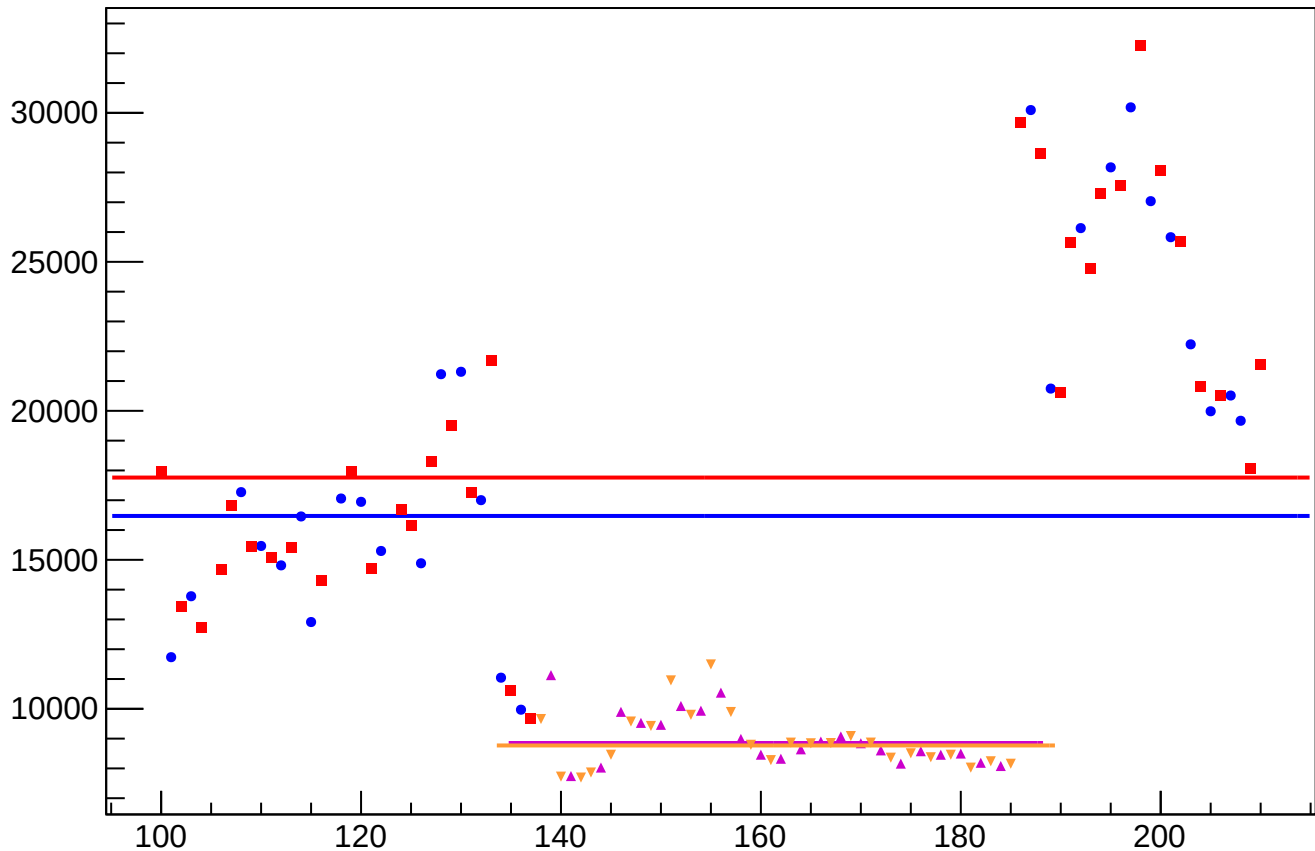
Left In: -0.628 ± 2.079 χ^2/NDF : 29.5/22

+ sign -9.690 ± 1.825 χ^2/NDF : 94.2/51

All: -6.500 ± 1.309 χ^2/NDF : 166.6/107

- sign -3.121 ± 1.878 χ^2/NDF : 66.1/55

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 16472.560+/-3.102 χ^2/NDF : 3137278.2/26

Left Out: 8770.330+/-1.419 χ^2/NDF :345180.6/24

Right Out: 17760.966+/-3.095 χ^2/NDF : 3146971.0/32

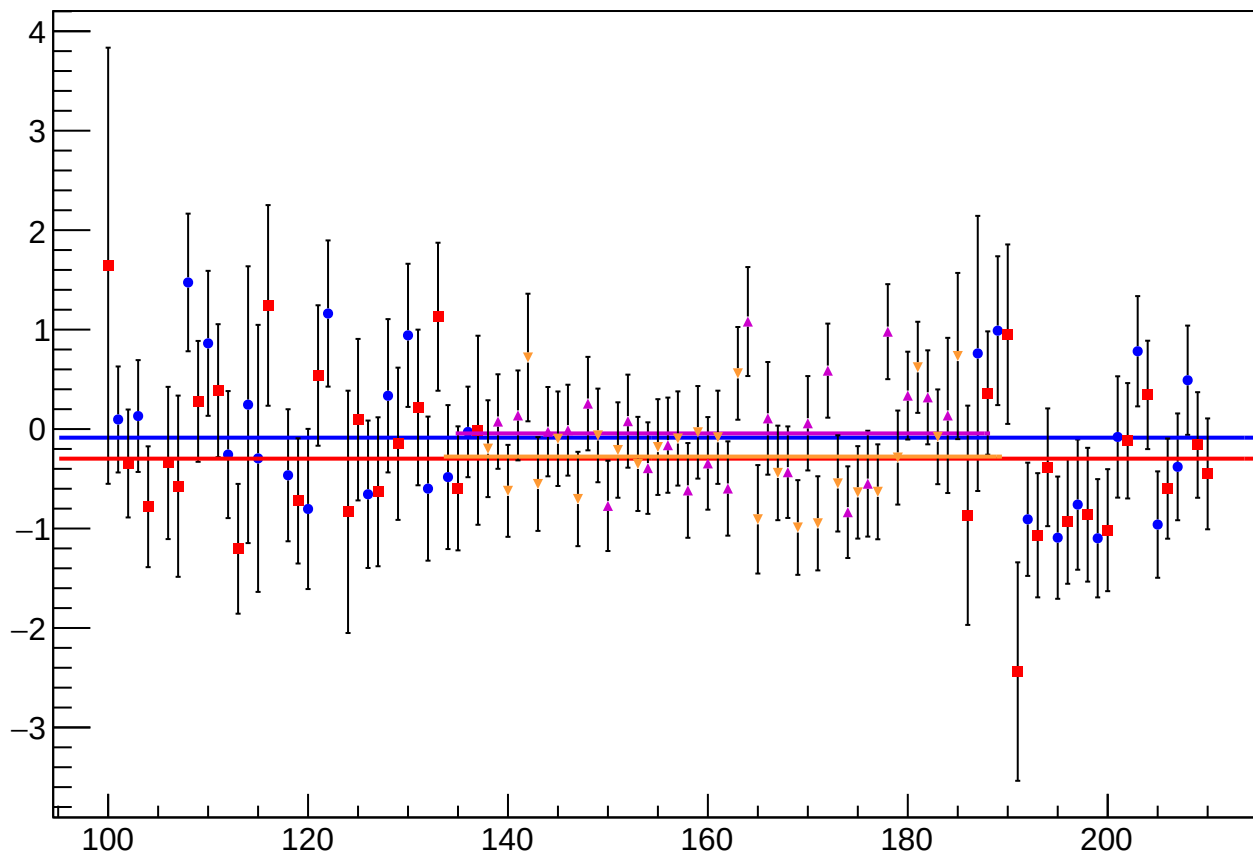
Left In: 8852.820+/-1.470 χ^2/NDF :299860.4/22

+ sign 10102.977+/-1.290 χ^2/NDF : 8581752.2/51

All: 10292.258+/-0.925 χ^2/NDF : 18831196.9

- sign 10492.808+/-1.328 χ^2/NDF : 10205117.6/55

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.087 ± 0.126 χ^2/NDF : 32.6/26

Left Out: -0.277 ± 0.097 χ^2/NDF : 21.0/24

Right Out: -0.297 ± 0.119 χ^2/NDF : 28.4/32

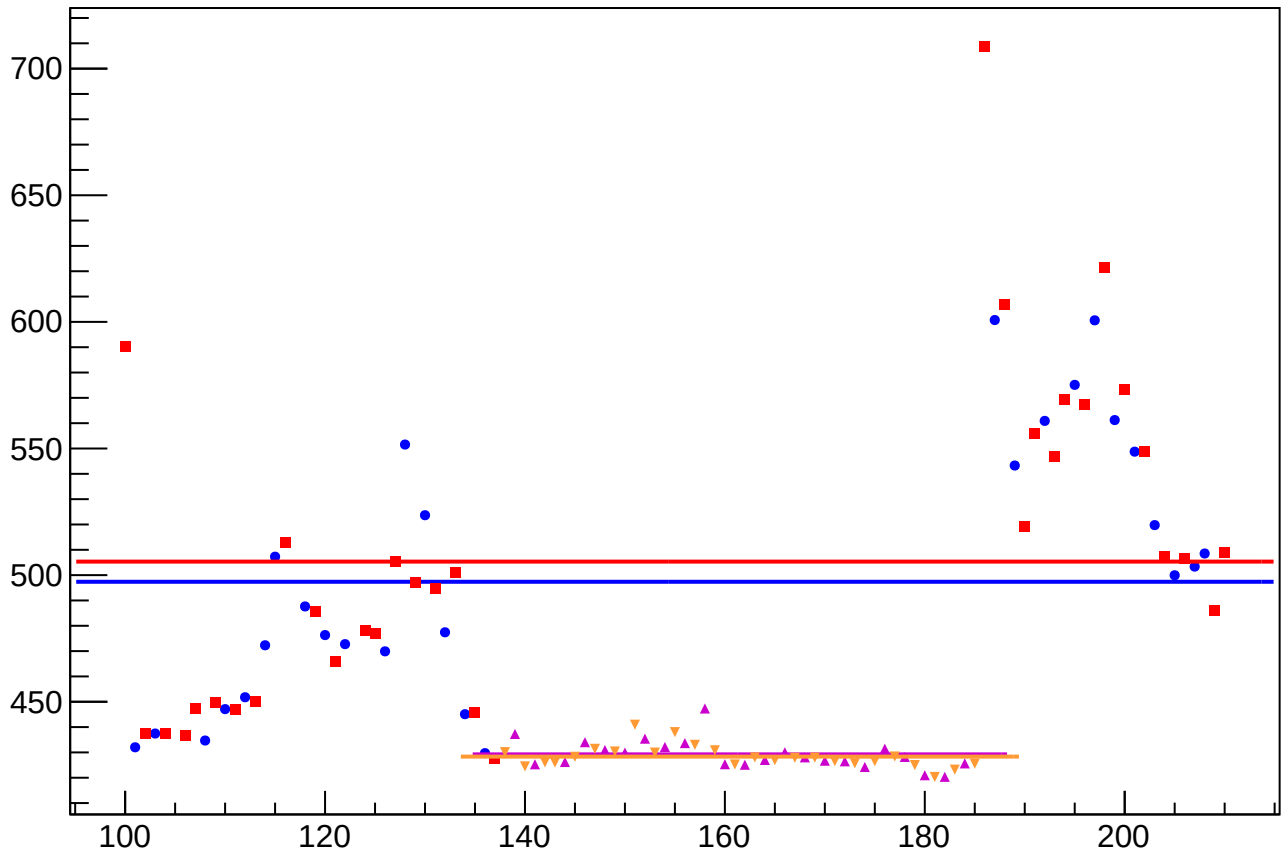
Left In: -0.044 ± 0.100 χ^2/NDF : 23.8/22

+ sign -0.205 ± 0.077 χ^2/NDF : 55.1/51

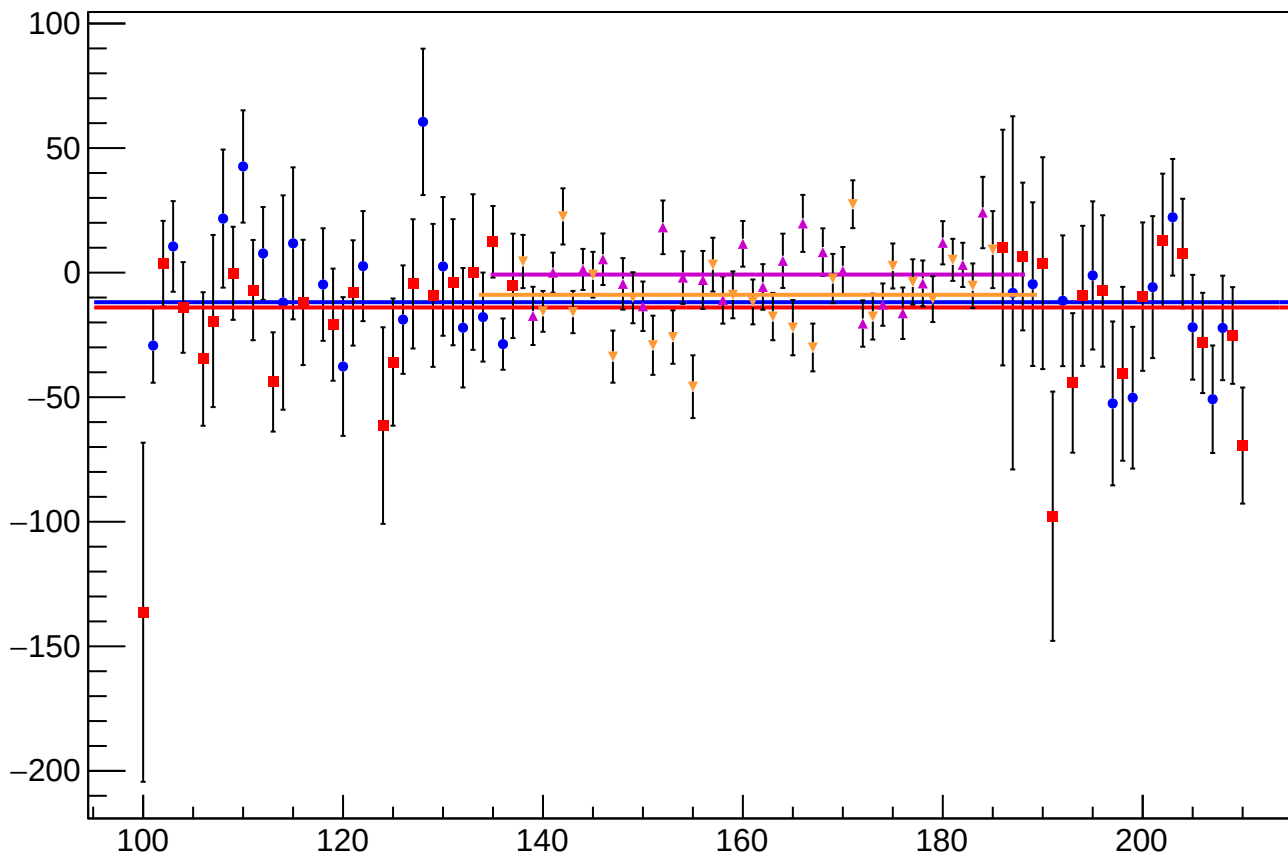
All: -0.177 ± 0.054 χ^2/NDF : 110.2/107

- sign -0.149 ± 0.077 χ^2/NDF : 54.9/55

diff_bpm_4aX_4acX_dd_rms vs Slug



diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -11.869 ± 4.262 χ^2/NDF : 32.1/26

Left Out: -8.904 ± 1.961 χ^2/NDF : 61.6/24

Right Out: -13.983 ± 4.240 χ^2/NDF : 28.3/32

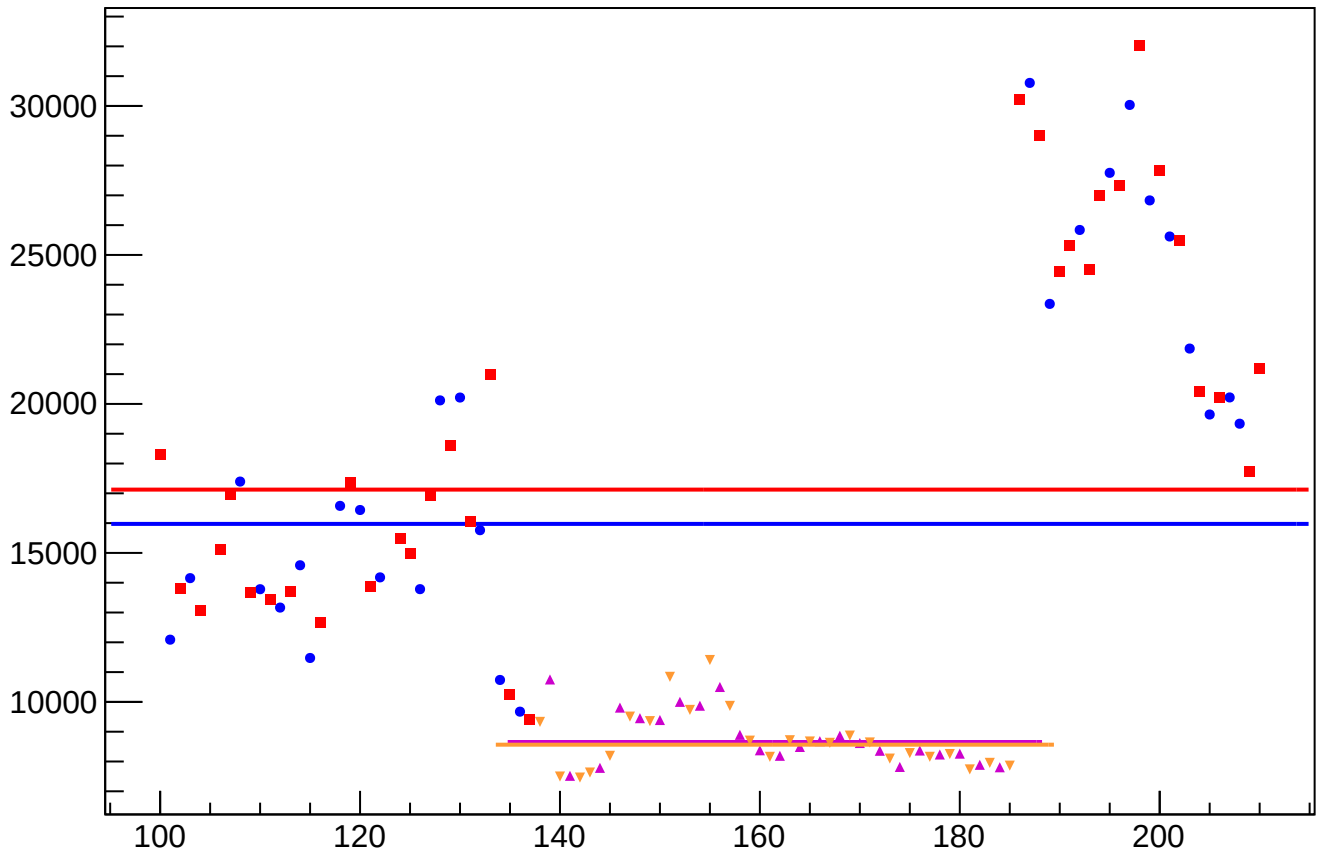
Left In: -0.773 ± 2.034 χ^2/NDF : 29.3/22

+ sign -9.422 ± 1.781 χ^2/NDF : 94.0/51

All: -6.422 ± 1.278 χ^2/NDF : 165.3/107

- sign -3.244 ± 1.834 χ^2/NDF : 65.4/55

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 15973.896+/-3.014 χ^2/NDF : 3300097.5/26

Left Out: 8564.413+/-1.387 χ^2/NDF : 400646.9/24

+ sign 9858.604+/-1.260 χ^2/NDF : 8688746.5/51

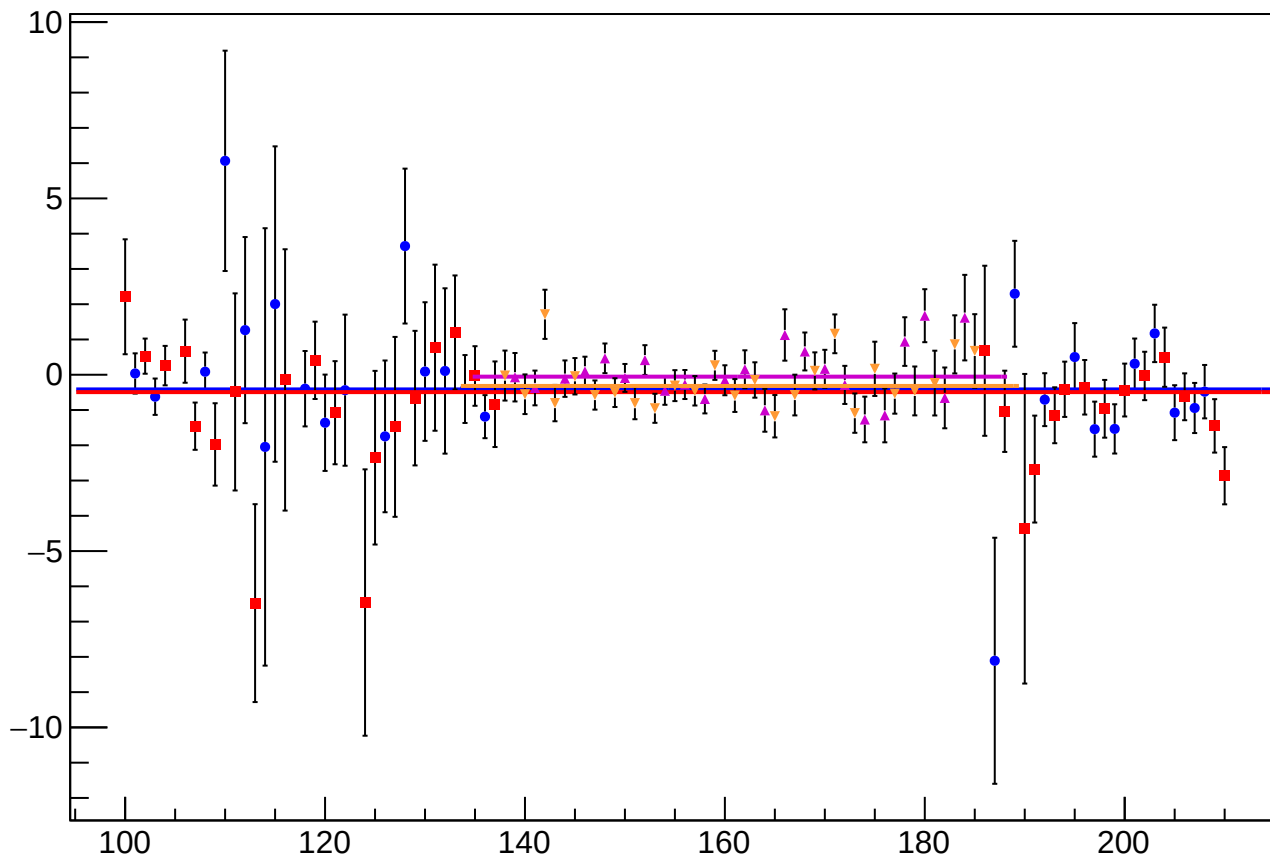
Right Out: 17124.757+/-2.998 χ^2/NDF : 3446311.1/32

All: 10043.117+/-0.904 χ^2/NDF : 19013038.4

Left In: 8654.310+/-1.438 χ^2/NDF : 345603.4/22

- sign 10238.659+/-1.297 χ^2/NDF : 10280095.7/55

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.416 ± 0.175 χ^2/NDF : 32.7/26

Left Out: -0.318 ± 0.106 χ^2/NDF : 32.3/24

Right Out: -0.493 ± 0.168 χ^2/NDF : 40.9/32

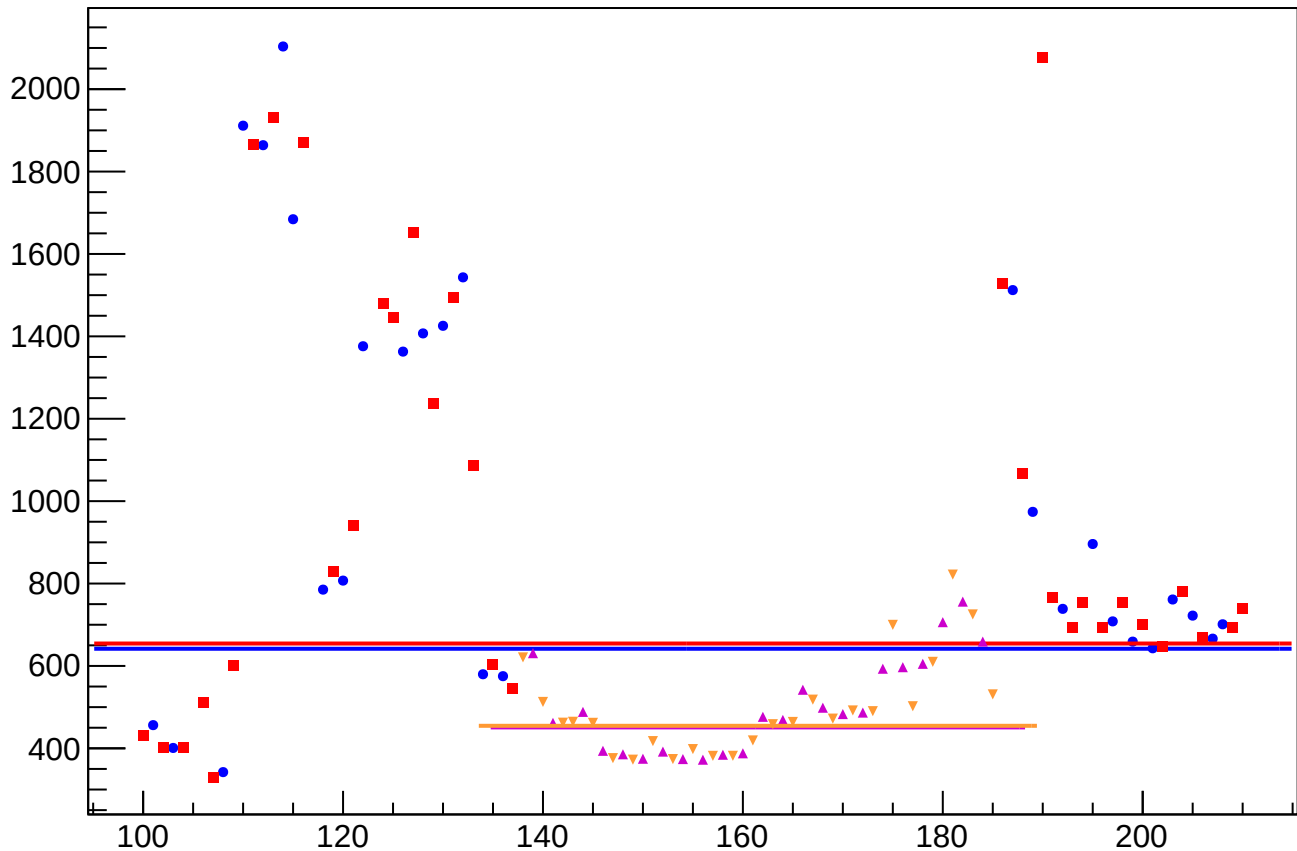
Left In: -0.054 ± 0.108 χ^2/NDF : 29.8/22

+ sign -0.344 ± 0.091 χ^2/NDF : 65.2/51

All: -0.264 ± 0.064 χ^2/NDF : 142.3/107

- sign -0.182 ± 0.091 χ^2/NDF : 75.5/55

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 641.705 $\pm$ 0.124 χ^2 /NDF: 4135792.2/26

Left Out: 454.697 $\pm$ 0.075 χ^2 /NDF:1451363.0/24

Right Out: 654.420 $\pm$ 0.119 χ^2 /NDF: 4729973.7/32

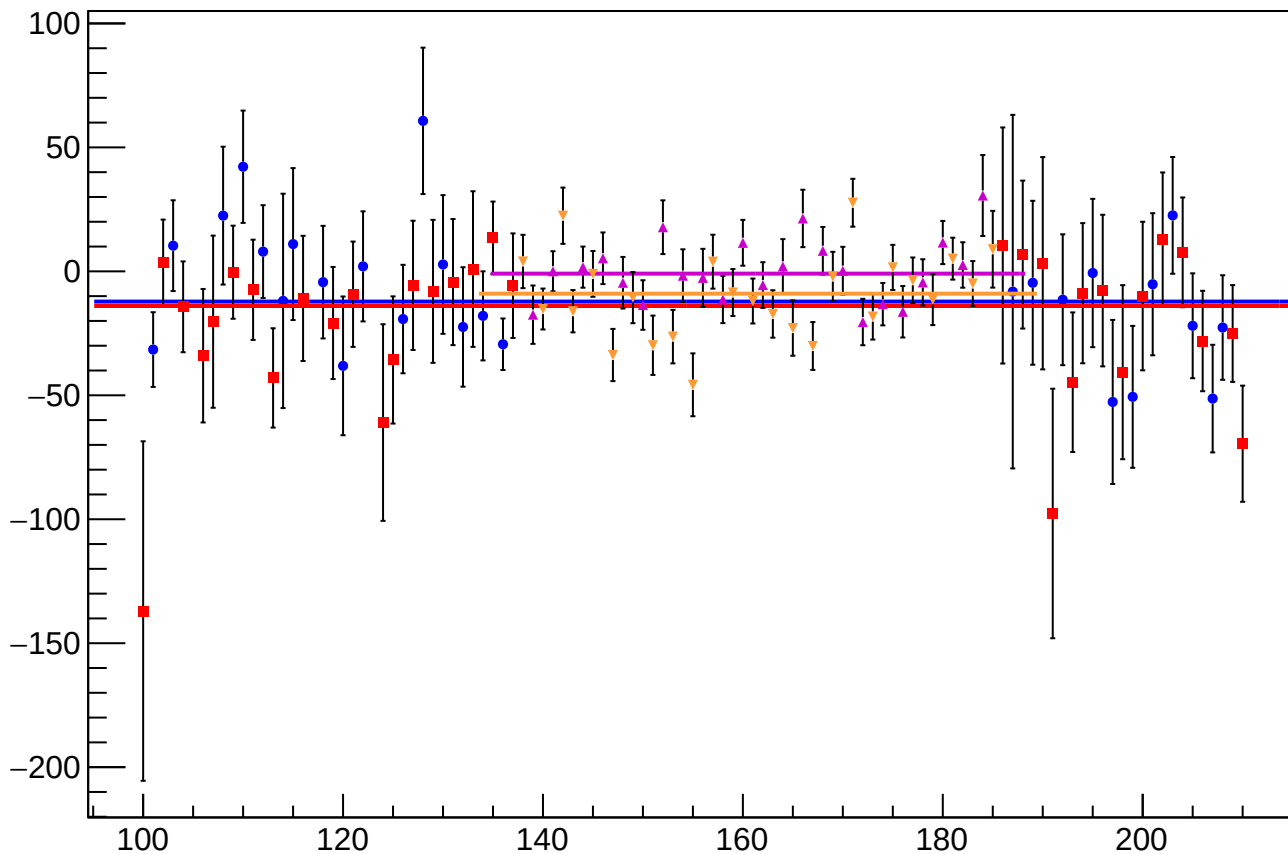
Left In: 450.767 $\pm$ 0.076 χ^2 /NDF:1471497.9/22

+ sign 504.923 $\pm$ 0.064 χ^2 /NDF: 7259790.5/51

All: 507.643 $\pm$ 0.045 χ^2 /NDF: 15541351.3/10

- sign 510.382 $\pm$ 0.064 χ^2 /NDF: 8277945.1/55

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -12.198 ± 4.290 χ^2/NDF : 32.6/26

Left Out: -9.001 ± 1.982 χ^2/NDF : 61.3/24

Right Out: -13.976 ± 4.268 χ^2/NDF : 28.0/32

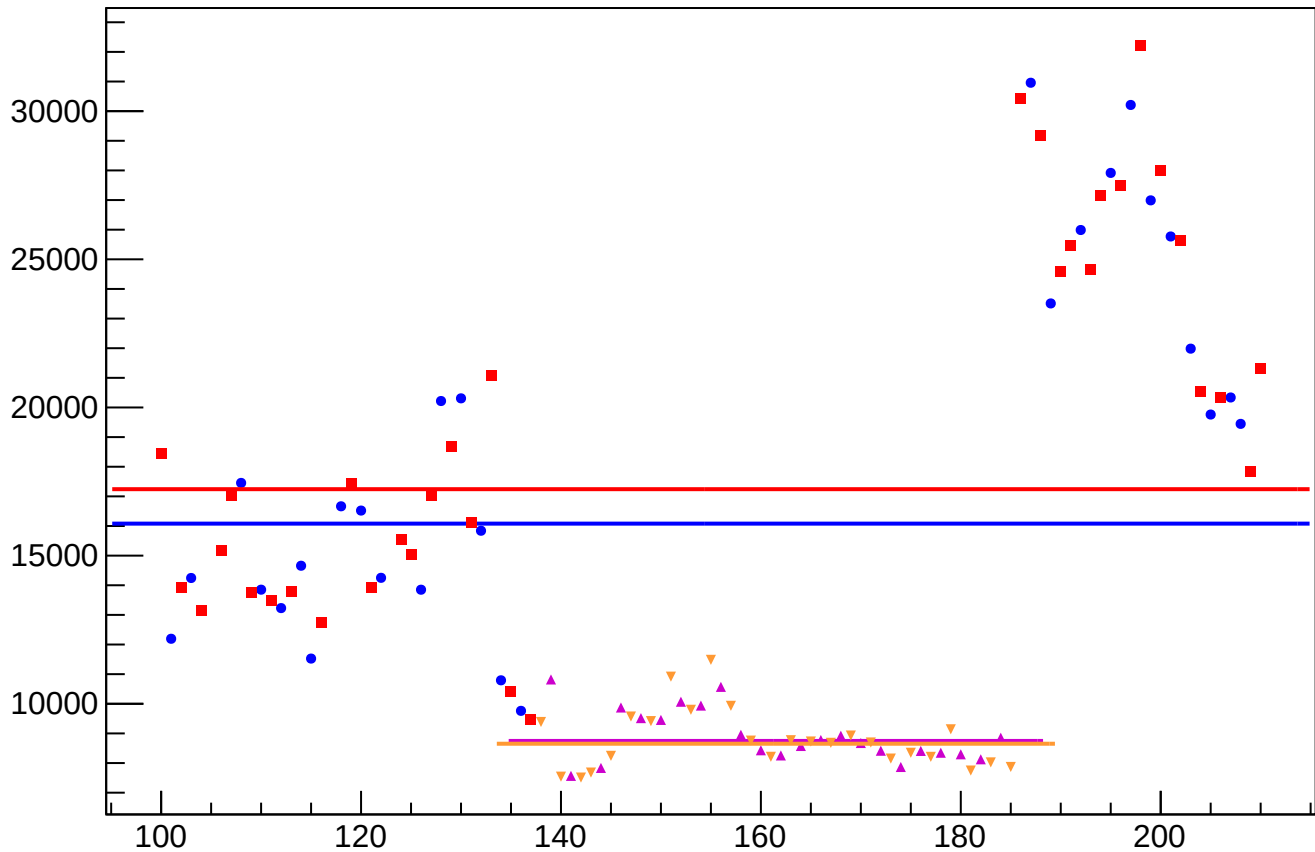
Left In: -0.925 ± 2.056 χ^2/NDF : 29.9/22

+ sign -9.563 ± 1.799 χ^2/NDF : 94.3/51

All: -6.562 ± 1.290 χ^2/NDF : 165.4/107

- sign -3.383 ± 1.852 χ^2/NDF : 65.4/55

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 16080.074+/-3.033 χ^2/NDF : 3284929.8/26

Left Out: 8651.872+/-1.401 χ^2/NDF : 405419.4/24

Right Out: 17242.698+/-3.018 χ^2/NDF : 3423391.1/32

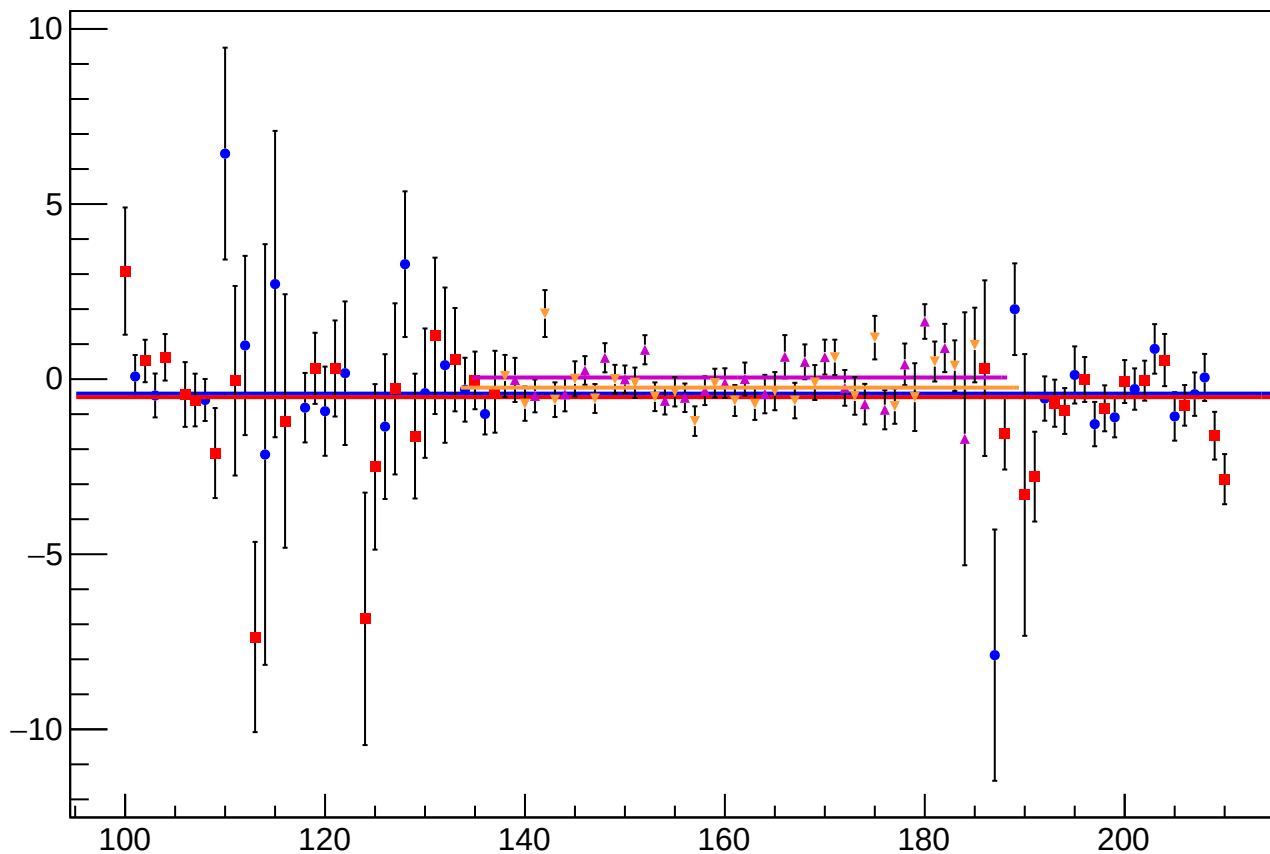
Left In: 8746.106+/-1.454 χ^2/NDF : 331167.0/22

+ sign 9958.350+/-1.272 χ^2/NDF : 8632400.9/51

All: 10146.509+/-0.912 χ^2/NDF : 18865622.9

- sign 10345.904+/-1.310 χ^2/NDF : 10188162.3/55

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.414 ± 0.164 χ^2/NDF : 27.8/26

Left Out: -0.242 ± 0.100 χ^2/NDF : 34.3/24

Right Out: -0.514 ± 0.158 χ^2/NDF : 47.1/32

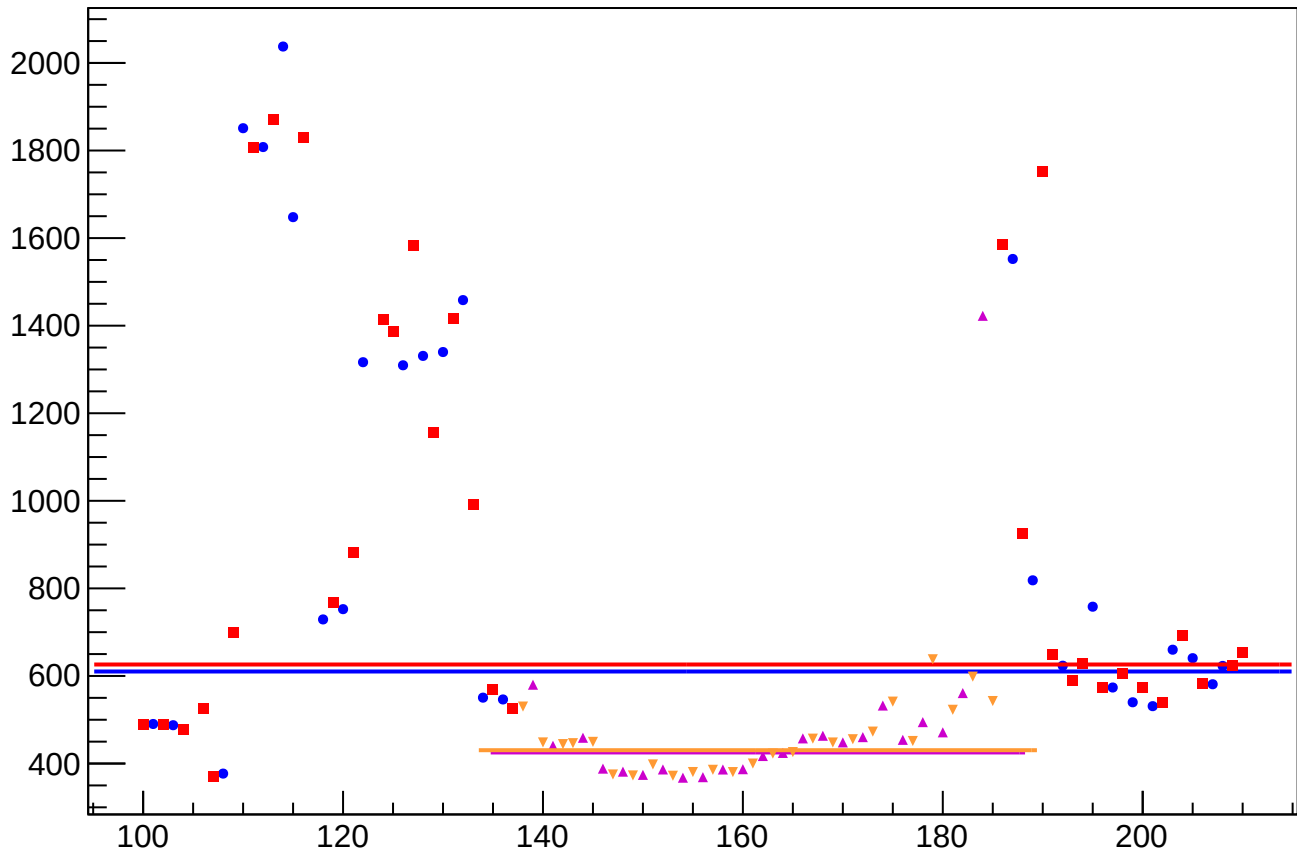
Left In: 0.047 ± 0.102 χ^2/NDF : 35.1/22

+ sign -0.289 ± 0.085 χ^2/NDF : 62.9/51

All: -0.203 ± 0.060 χ^2/NDF : 156.0/107

- sign -0.117 ± 0.085 χ^2/NDF : 91.1/55

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 610.200 $\pm$ 0.116 χ^2 /NDF: 3199759.5/26

Left Out: 430.437 $\pm$ 0.071 χ^2 /NDF: 648114.1/24

+ sign 479.398 $\pm$ 0.060 χ^2 /NDF: 5600800.2/51

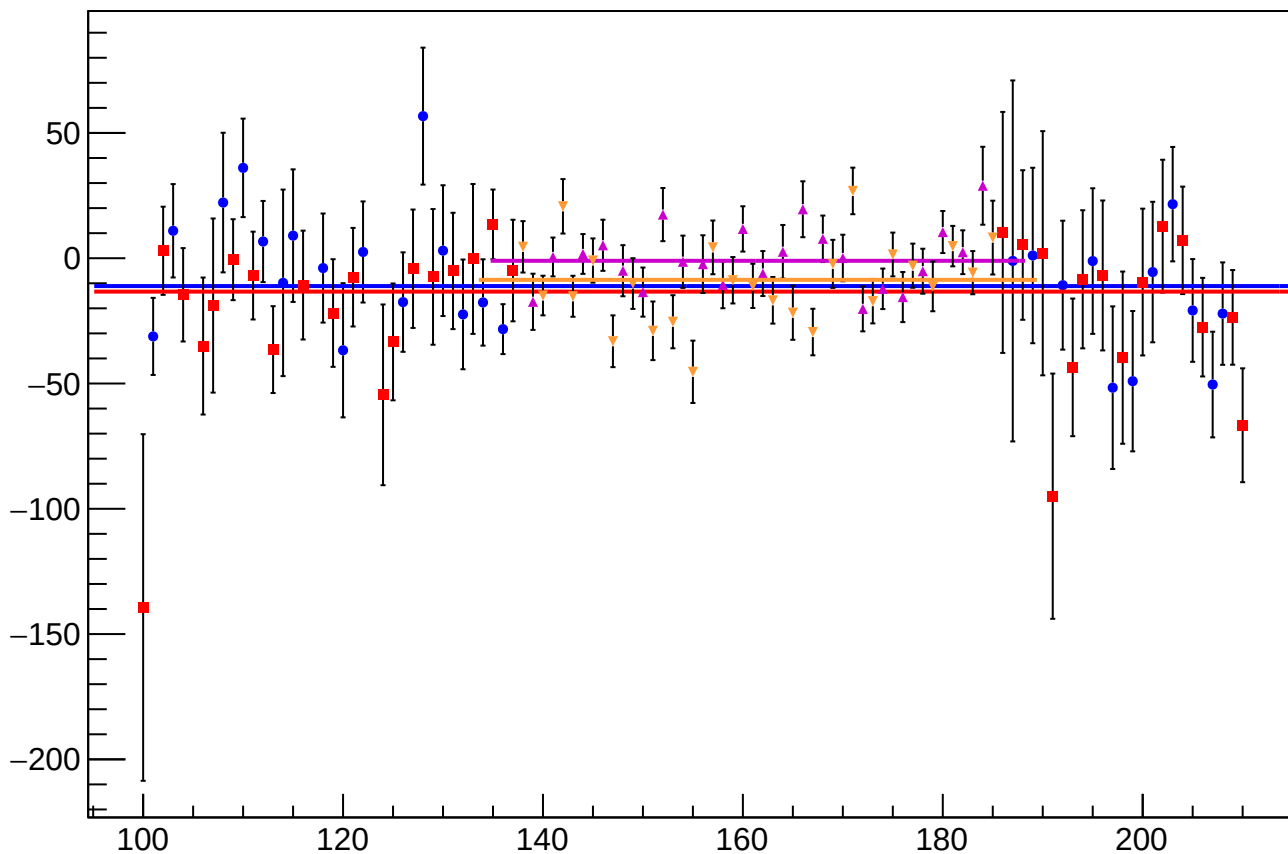
Right Out: 626.179 $\pm$ 0.112 χ^2 /NDF: 3518211.3/32

All: 481.671 $\pm$ 0.043 χ^2 /NDF: 12121307.4/10

- sign 483.943 $\pm$ 0.060 χ^2 /NDF: 6517680.3/55

Left In: 425.312 $\pm$ 0.072 χ^2 /NDF: 716953.2/22

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -11.115 ± 4.085 χ^2/NDF : 33.2/26

Left Out: -8.623 ± 1.913 χ^2/NDF : 61.6/24

Right Out: -13.324 ± 4.043 χ^2/NDF : 27.7/32

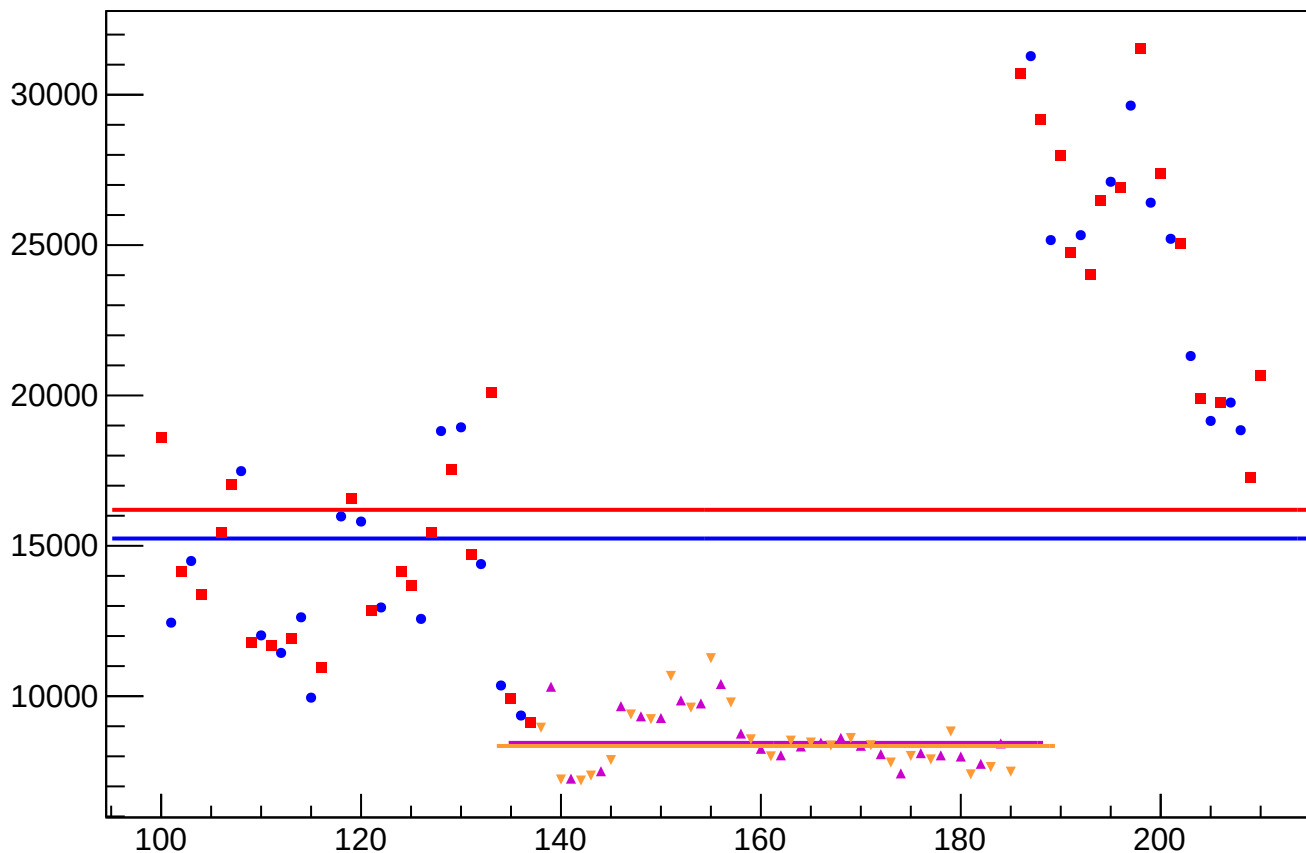
Left In: -1.027 ± 1.987 χ^2/NDF : 29.8/22

+ sign -9.071 ± 1.732 χ^2/NDF : 95.2/51

All: -6.326 ± 1.243 χ^2/NDF : 165.2/107

- sign -3.419 ± 1.783 χ^2/NDF : 64.9/55

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 15242.800 $\pm$ 2.889 χ^2 /NDF: 3571109.0/26

Left Out: 8344.309 $\pm$ 1.353 χ^2 /NDF:469243.6/24

Right Out: 16196.835 $\pm$ 2.859 χ^2 /NDF: 3941630.9/32

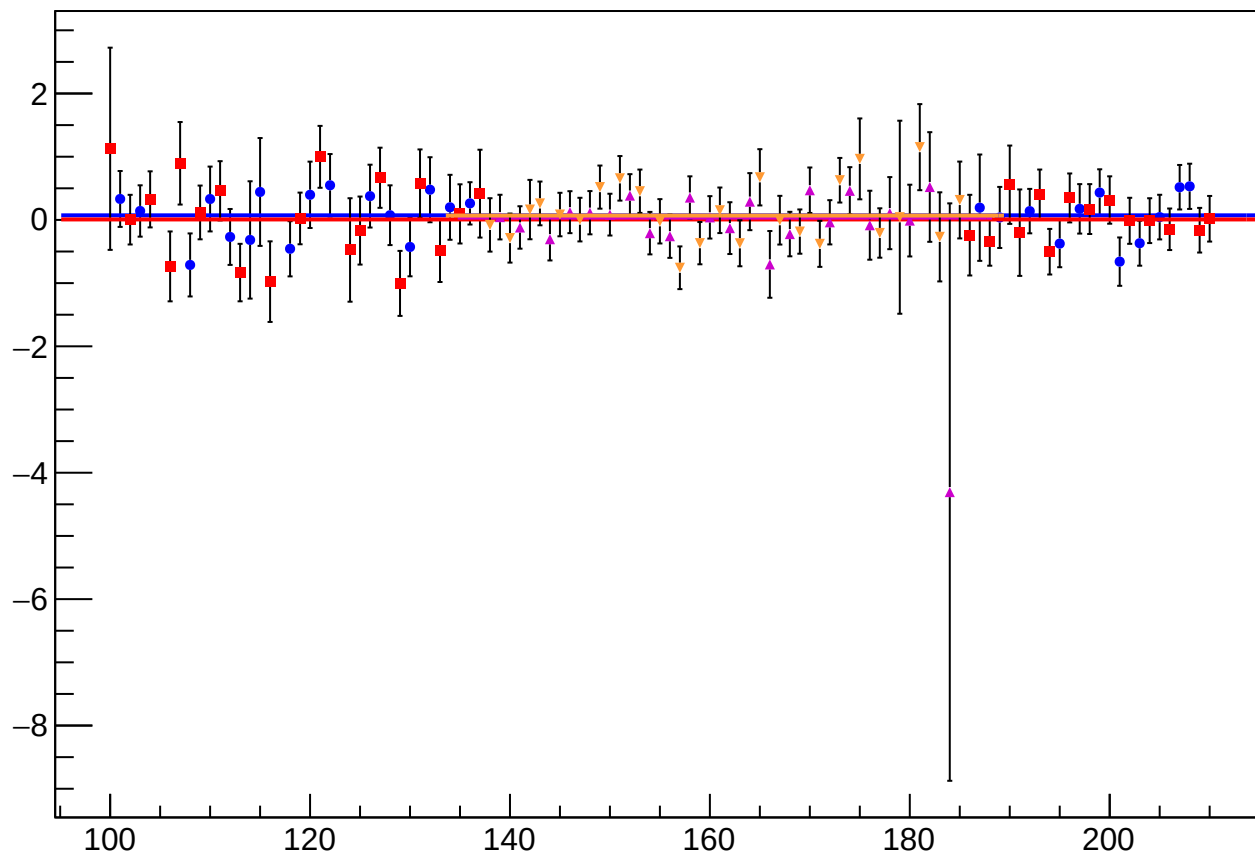
Left In: 8446.686 $\pm$ 1.405 χ^2 /NDF:381901.7/22

+ sign 9585.050 $\pm$ 1.225 χ^2 /NDF: 8717899.0/51

All: 9764.365 $\pm$ 0.879 χ^2 /NDF: 19006462.2/100

- sign 9954.284 $\pm$ 1.261 χ^2 /NDF: 10244445.5/55

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.072 ± 0.084 χ^2/NDF : 20.4/26

Left Out: 0.069 ± 0.079 χ^2/NDF : 28.2/24

Right Out: 0.007 ± 0.079 χ^2/NDF : 31.3/32

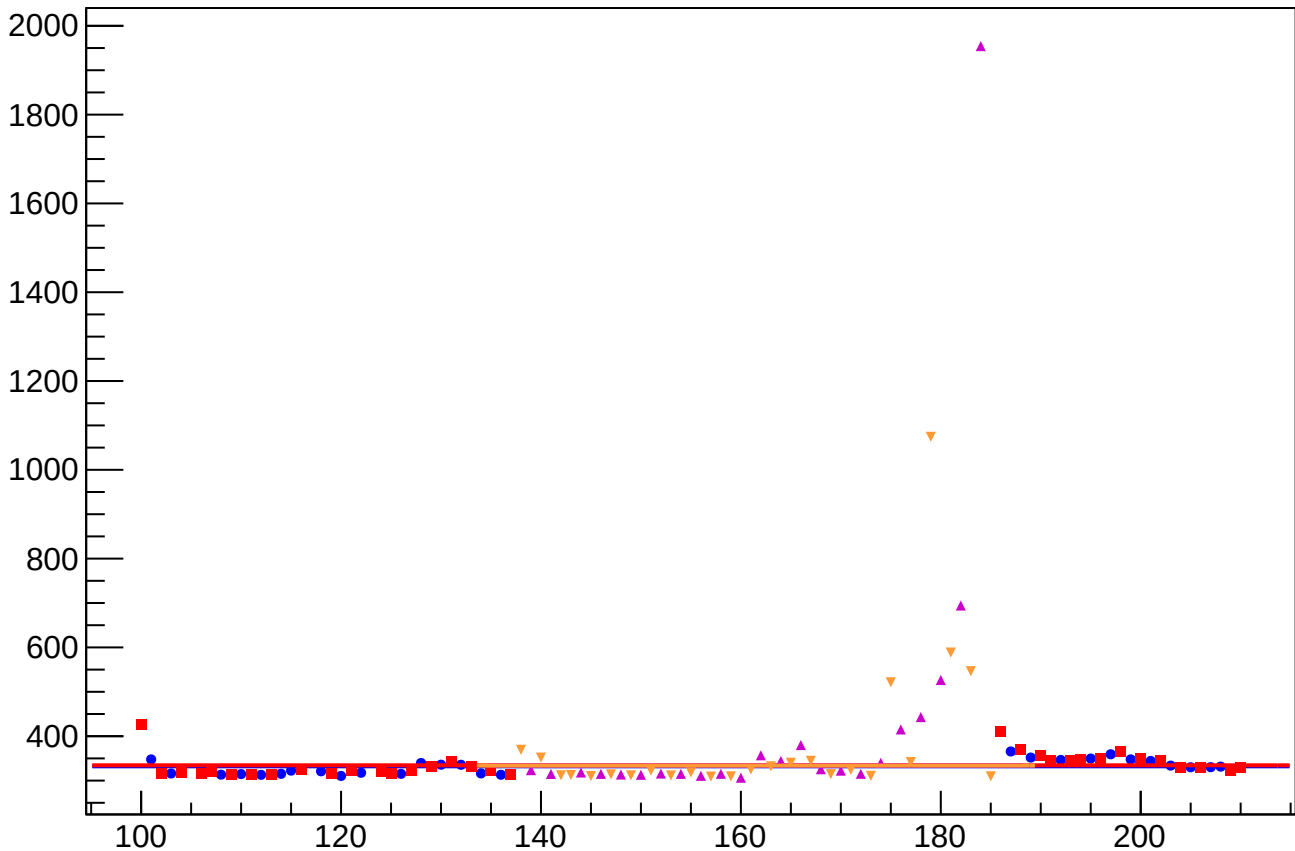
Left In: 0.037 ± 0.081 χ^2/NDF : 11.7/22

+ sign 0.071 ± 0.057 χ^2/NDF : 48.6/51

All: 0.046 ± 0.040 χ^2/NDF : 92.0/107

- sign 0.022 ± 0.056 χ^2/NDF : 43.1/55

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 332.158+/-0.059 χ^2/NDF : 62864.7/26

Left Out: 333.783+/-0.056 χ^2/NDF : 1217257.0/24

Right Out: 334.476+/-0.056 χ^2/NDF : 118789.0/32

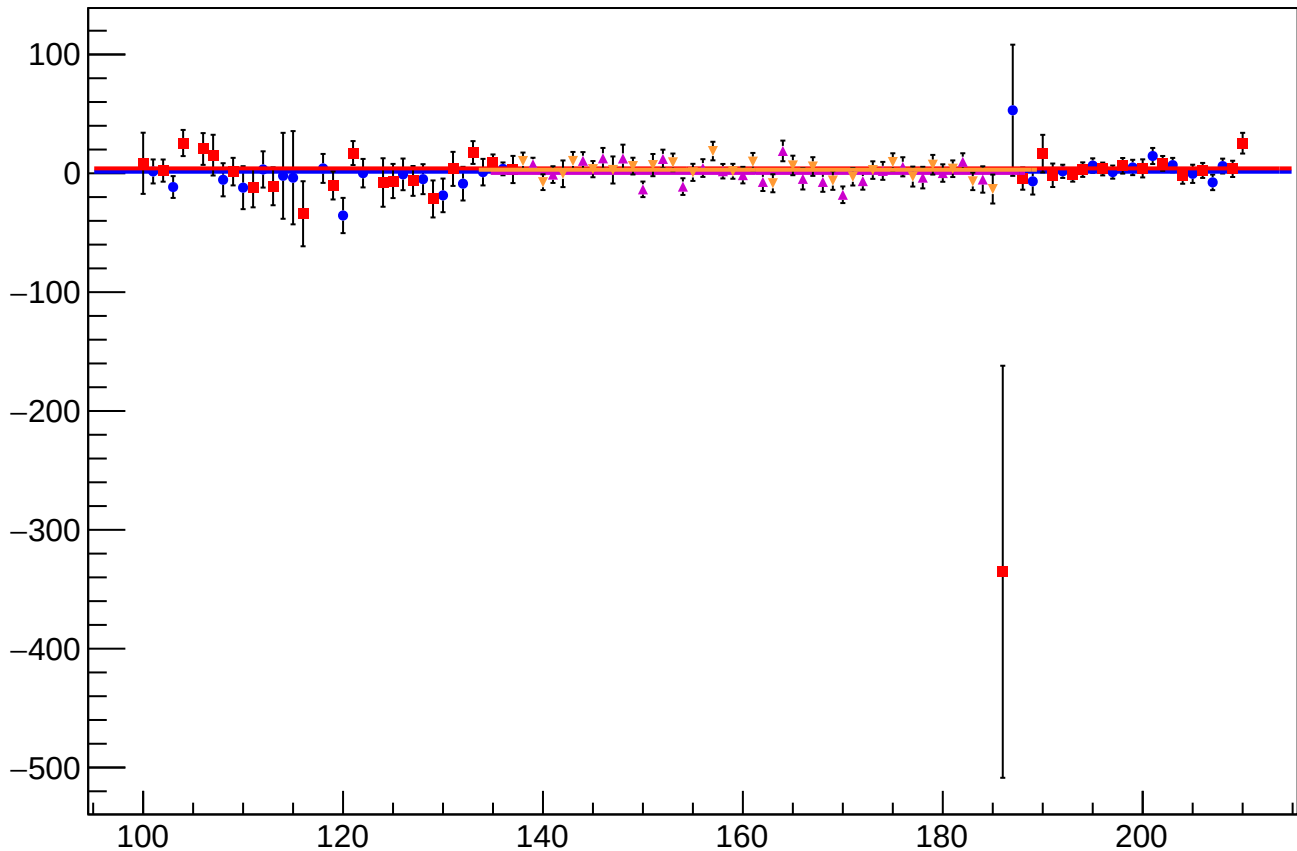
Left In: 333.979+/-0.057 χ^2/NDF : 1050984.2/22

+ sign 333.017+/-0.041 χ^2/NDF : 1280520.5/51

All: 333.637+/-0.028 χ^2/NDF : 2450789.5/107

- sign 334.234+/-0.040 χ^2/NDF : 1169812.0/55

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 1.339 ± 1.672 χ^2/NDF : 21.6/26

Left Out: 3.023 ± 1.542 χ^2/NDF : 20.3/24

Right Out: 4.144 ± 1.595 χ^2/NDF : 33.7/32

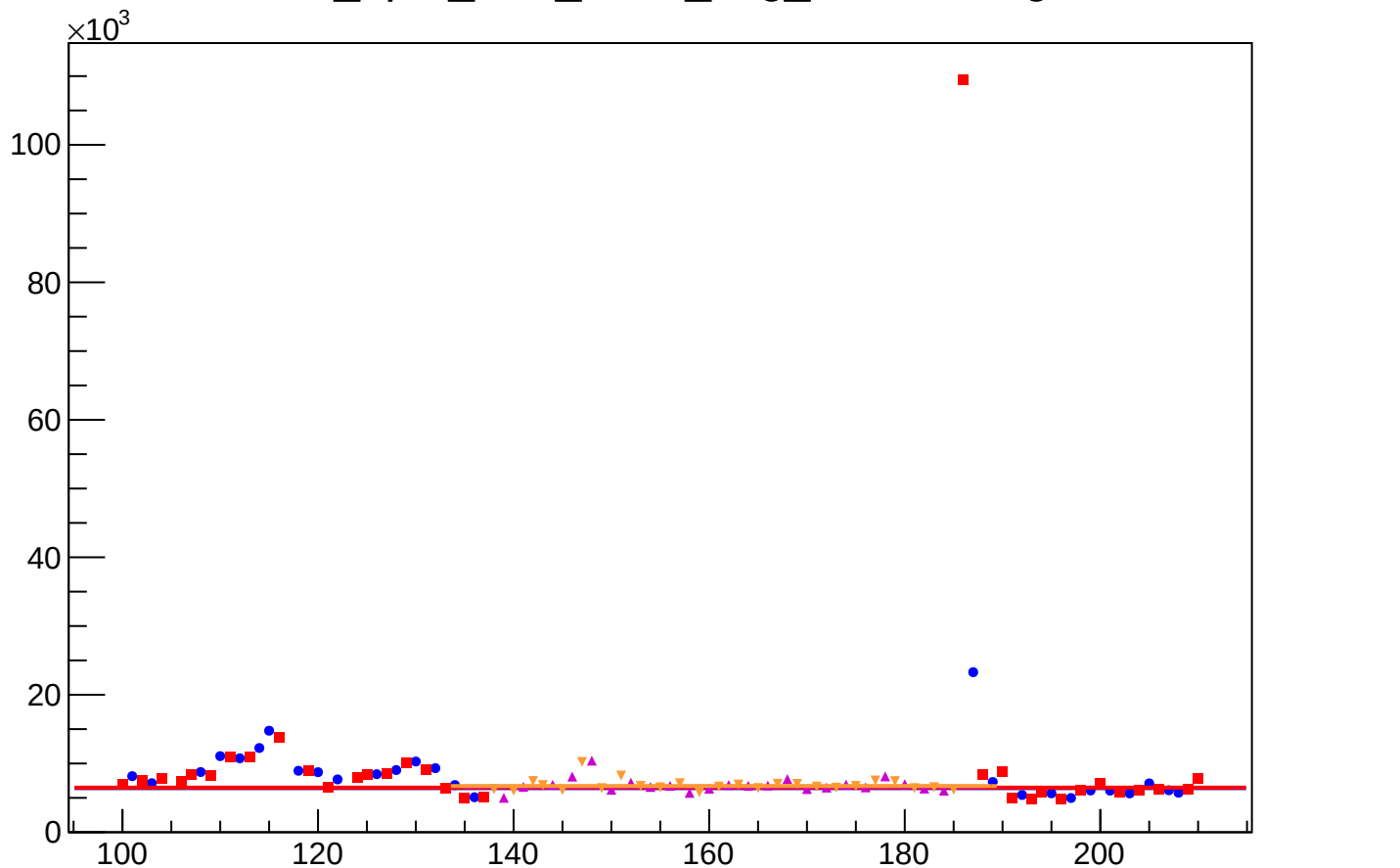
Left In: 0.351 ± 1.568 χ^2/NDF : 33.8/22

+ sign 2.249 ± 1.133 χ^2/NDF : 42.5/51

All: 2.232 ± 0.796 χ^2/NDF : 112.8/107

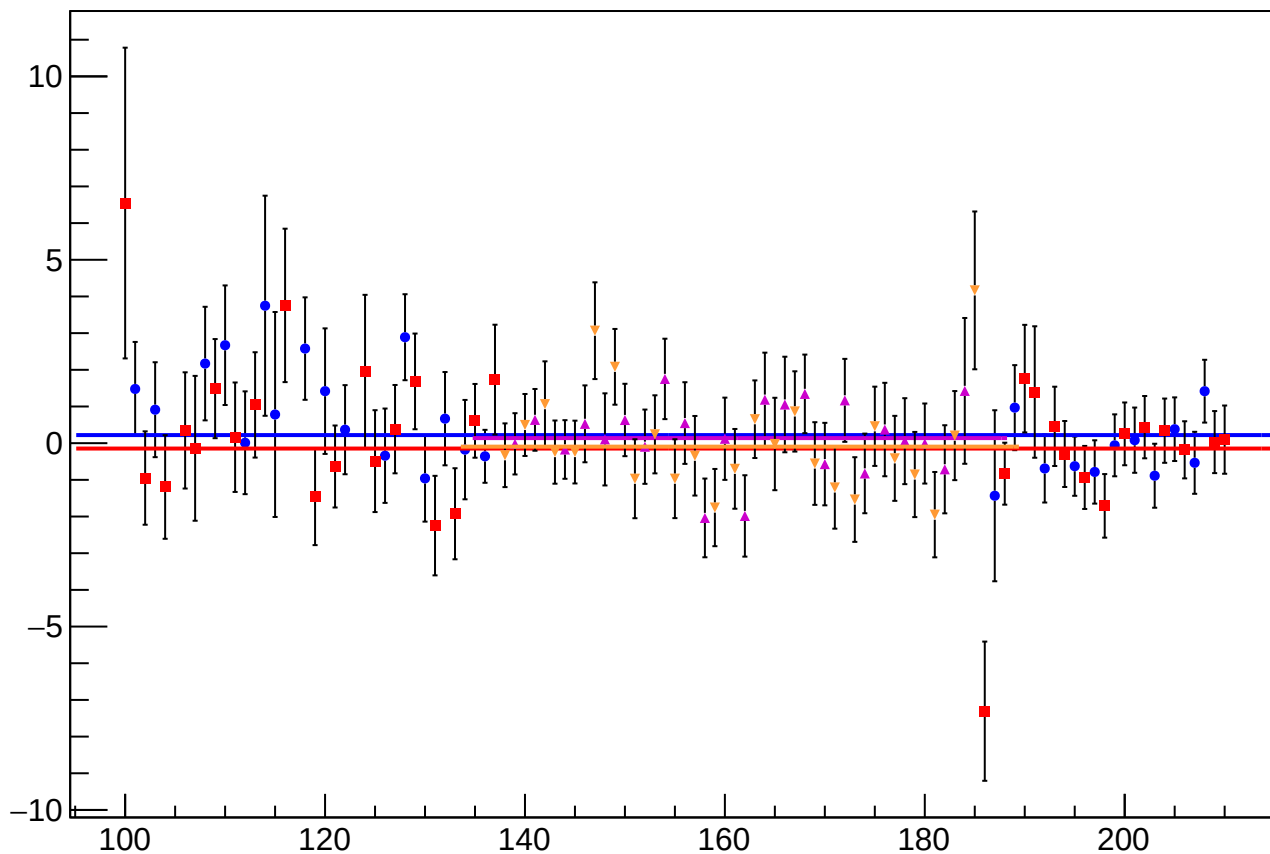
- sign 2.216 ± 1.118 χ^2/NDF : 70.3/55

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 6414.797 $\pm$ 1.182	χ^2 /NDF: 1731813.7/26	+ sign 6581.357 $\pm$ 0.801	χ^2 /NDF: 2171861.9/51
Left Out: 6722.984 $\pm$ 1.090	χ^2 /NDF: 403317.7/24	All: 6571.835 $\pm$ 0.563	χ^2 /NDF: 5235446.9/10
Right Out: 6490.008 $\pm$ 1.128	χ^2 /NDF: 2425674.0/32	- sign 6562.565 $\pm$ 0.791	χ^2 /NDF: 3063306.4/55
Left In: 6632.723 $\pm$ 1.109	χ^2 /NDF: 629490.9/22		

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.221 ± 0.211 χ^2/NDF : 26.0/26

Left Out: -0.095 ± 0.215 χ^2/NDF : 27.3/24

Right Out: -0.147 ± 0.200 χ^2/NDF : 43.1/32

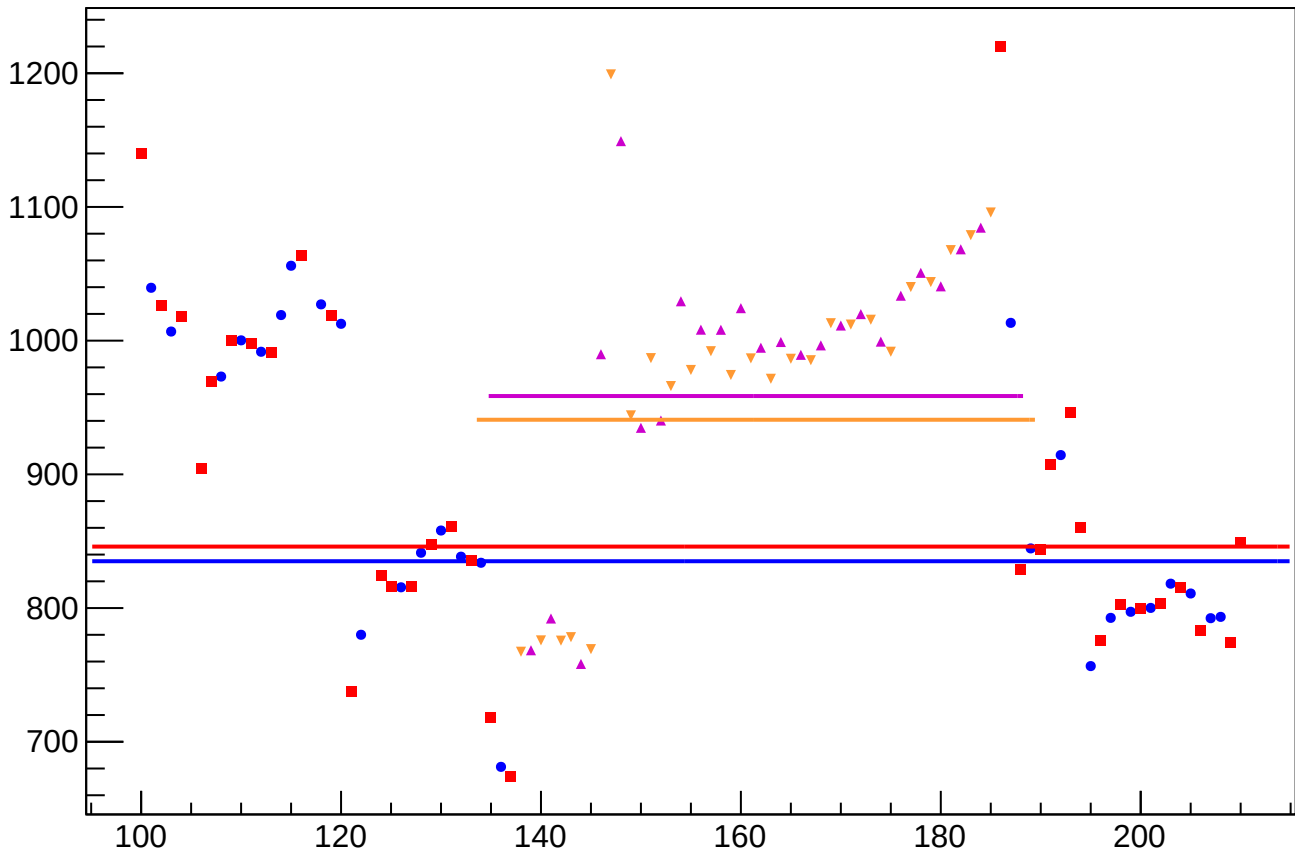
Left In: 0.138 ± 0.225 χ^2/NDF : 16.5/22

+ sign 0.066 ± 0.151 χ^2/NDF : 54.4/51

All: 0.022 ± 0.106 χ^2/NDF : 115.0/107

- sign -0.021 ± 0.149 χ^2/NDF : 60.4/55

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 835.031 ± 0.149 χ^2/NDF : 392531.1/26

Left Out: 940.844 ± 0.152 χ^2/NDF : 568776.0/24

Right Out: 845.979 ± 0.141 χ^2/NDF : 450503.9/32

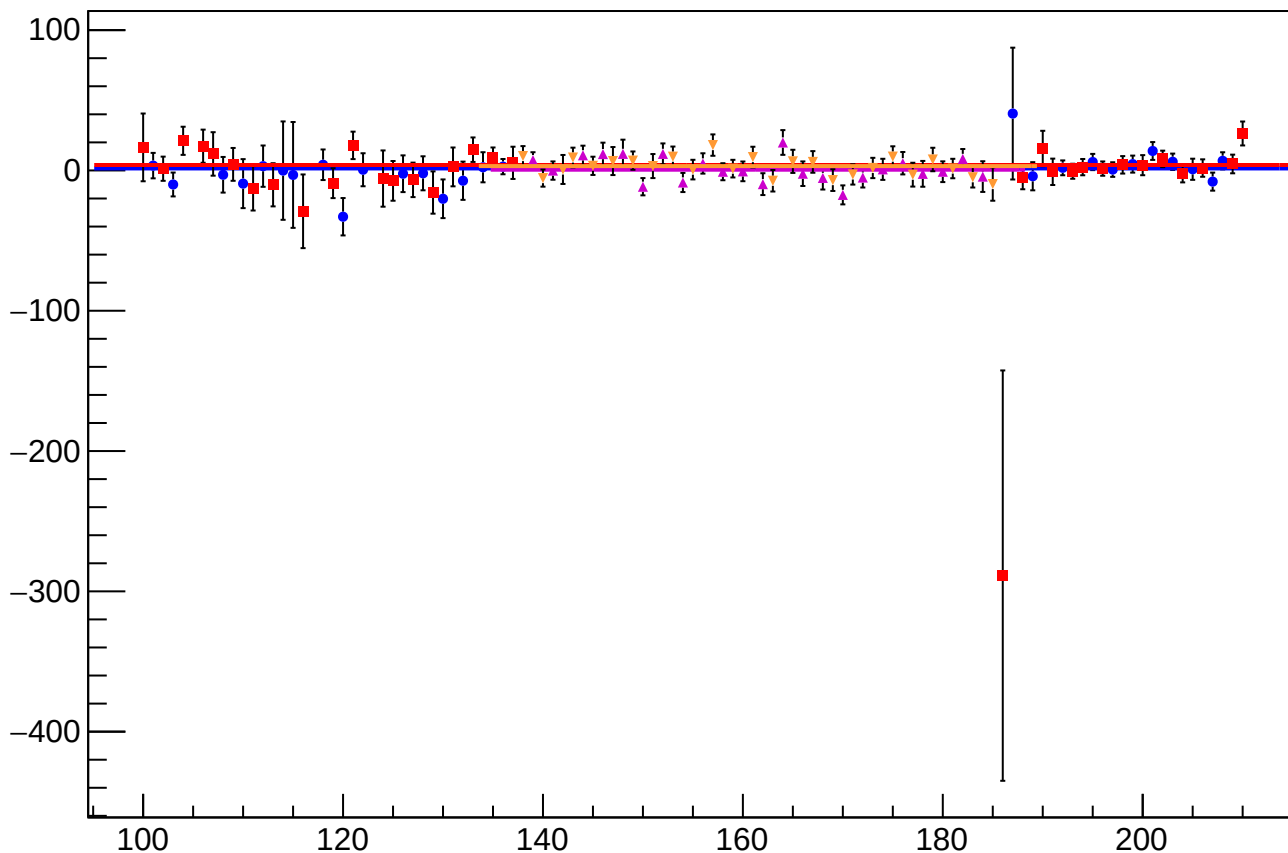
Left In: 958.578 ± 0.159 χ^2/NDF : 456824.8/22

+ sign 886.862 ± 0.107 χ^2/NDF : 1207587.9/51

All: 891.234 ± 0.075 χ^2/NDF : 2397845.6/107

- sign 895.535 ± 0.106 χ^2/NDF : 1186919.7/55

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 1.417 ± 1.598 χ^2/NDF : 21.6/26

Left Out: 3.099 ± 1.500 χ^2/NDF : 18.6/24

Right Out: 3.879 ± 1.517 χ^2/NDF : 33.3/32

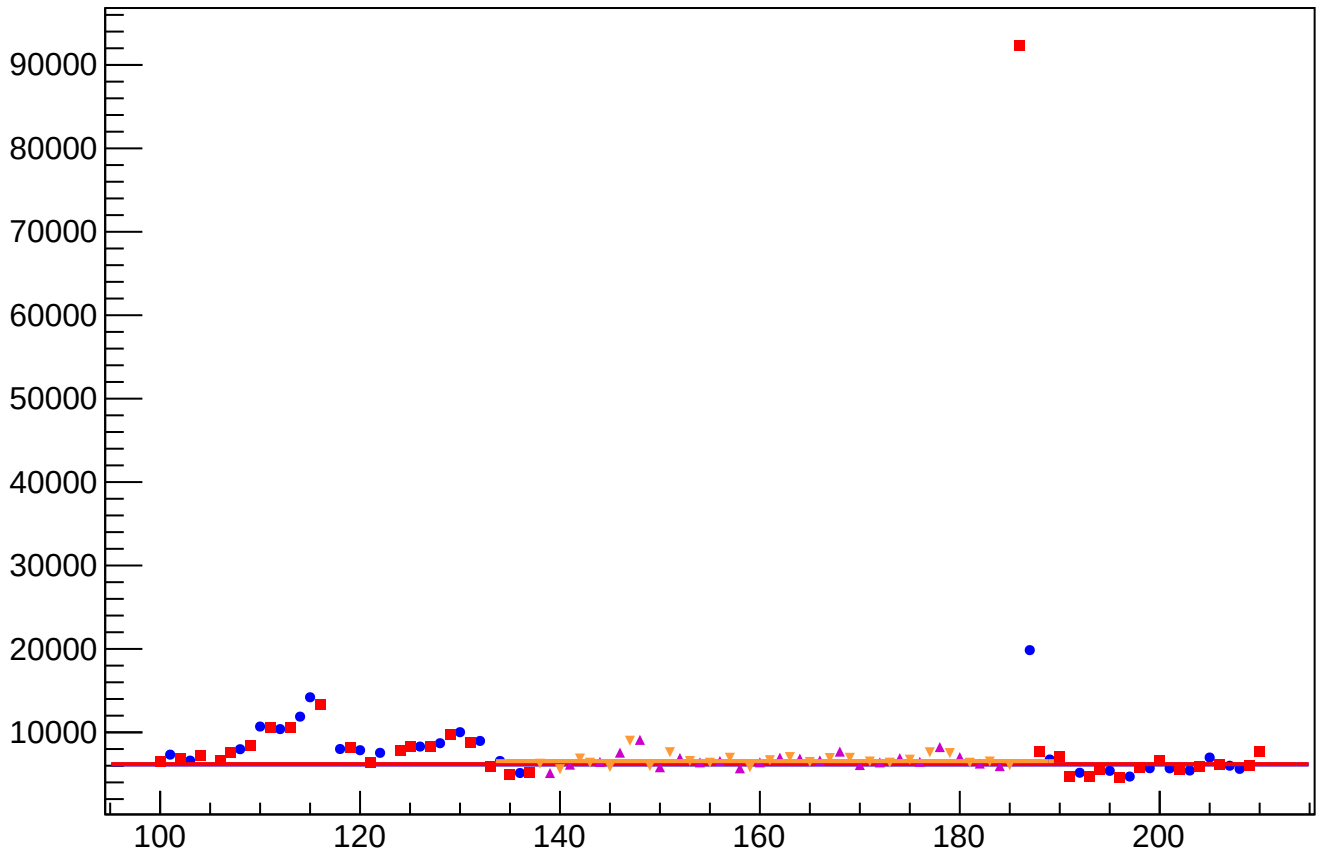
Left In: 0.519 ± 1.535 χ^2/NDF : 32.0/22

+ sign 2.311 ± 1.094 χ^2/NDF : 40.8/51

All: 2.264 ± 0.768 χ^2/NDF : 108.5/107

- sign 2.218 ± 1.079 χ^2/NDF : 67.7/55

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6146.865 $\pm$ 1.130 χ^2 /NDF: 1635364.5/26

Left Out: 6548.897 $\pm$ 1.061 χ^2 /NDF:366072.4/24

Right Out: 6191.082 $\pm$ 1.073 χ^2 /NDF: 2362373.2/32

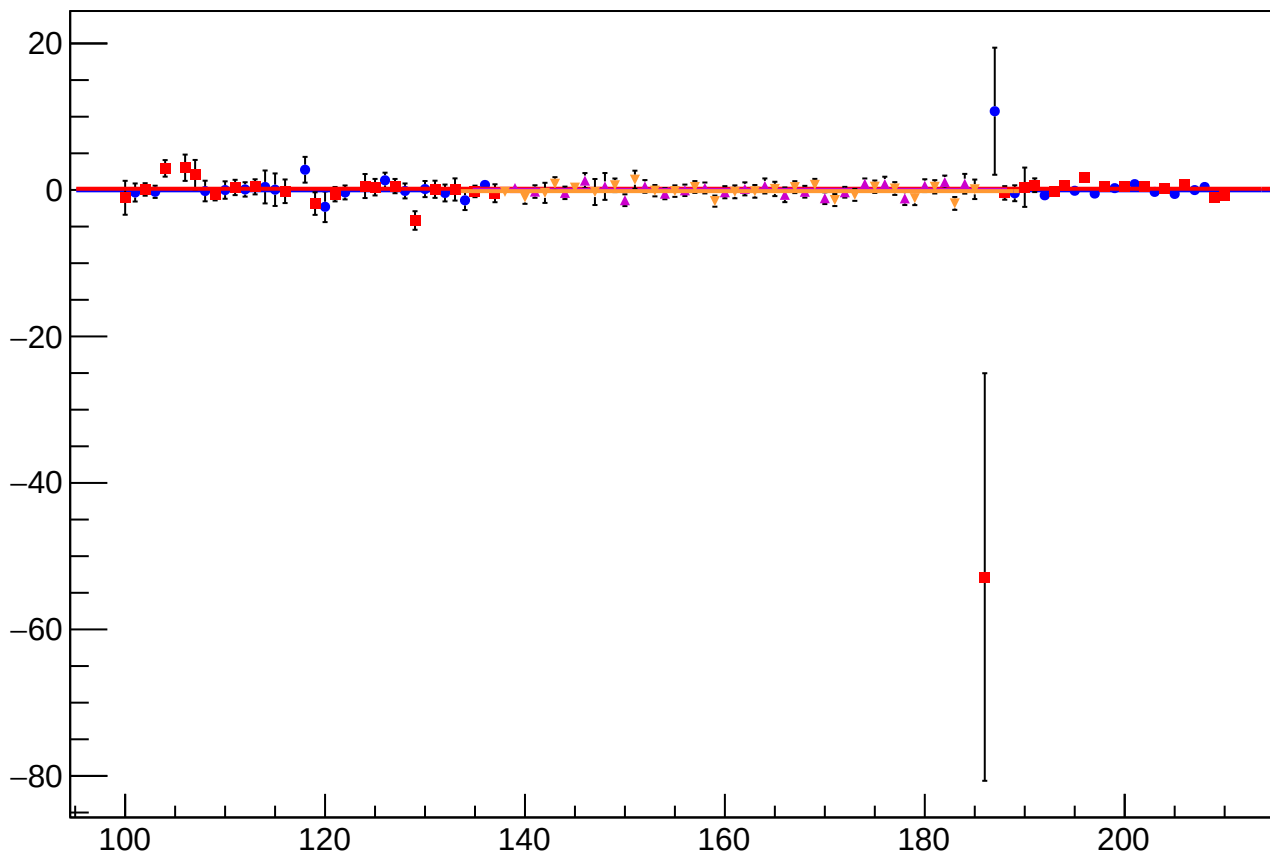
Left In: 6505.057 $\pm$ 1.085 χ^2 /NDF:515496.8/22

+ sign 6360.556 $\pm$ 0.773 χ^2 /NDF: 2068722.6/51

All: 6353.324 $\pm$ 0.543 χ^2 /NDF: 4989087.6/10

- sign 6346.284 $\pm$ 0.763 χ^2 /NDF: 2920192.5/55

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.053 ± 0.143 χ^2/NDF : 16.9/26

Left Out: -0.162 ± 0.172 χ^2/NDF : 19.0/24

Right Out: 0.164 ± 0.136 χ^2/NDF : 50.1/32

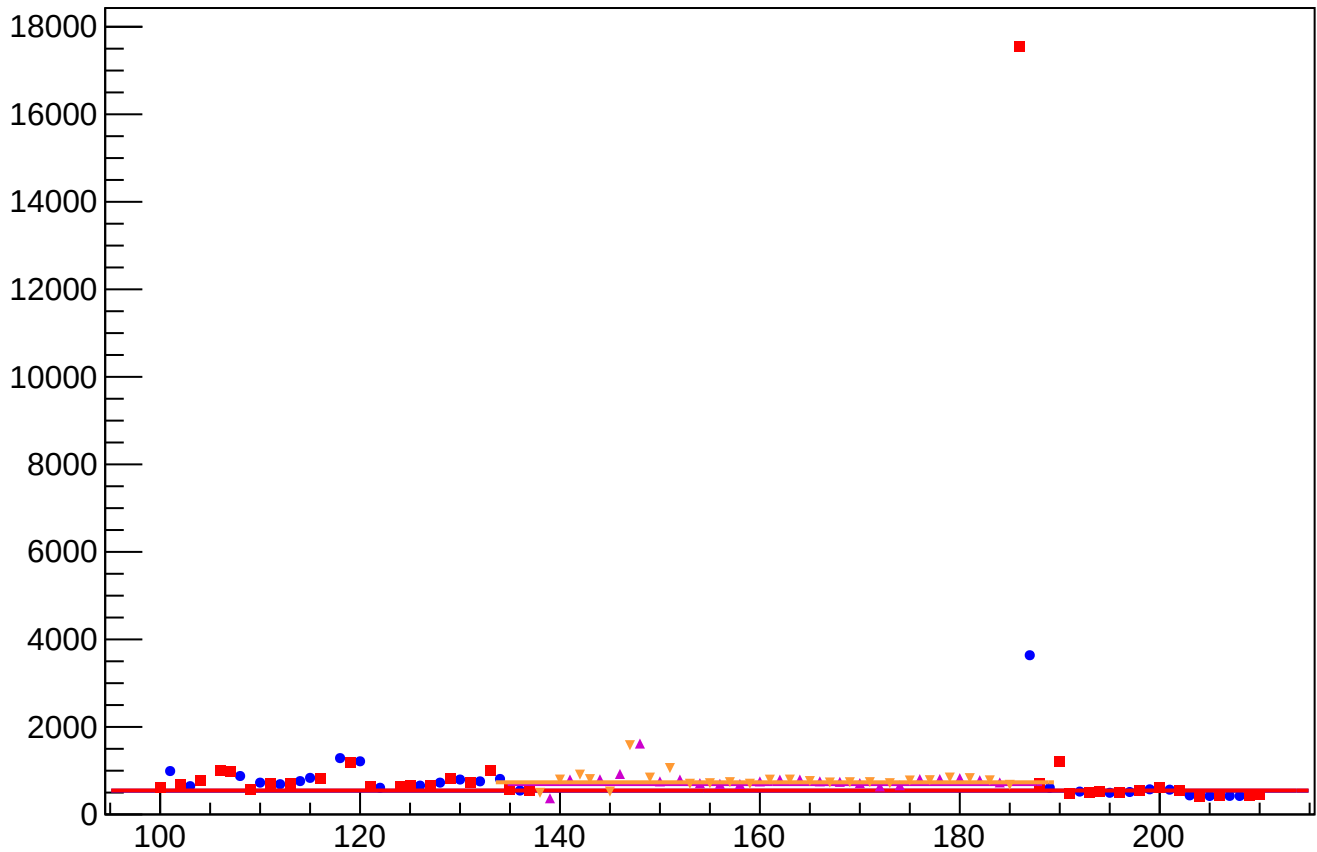
Left In: 0.017 ± 0.169 χ^2/NDF : 15.2/22

+ sign -0.098 ± 0.110 χ^2/NDF : 36.1/51

All: 0.008 ± 0.076 χ^2/NDF : 103.6/107

- sign 0.106 ± 0.106 χ^2/NDF : 65.8/55

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 542.053 ± 0.101 χ^2/NDF : 2299368.5/26

Left Out: 734.984 ± 0.122 χ^2/NDF : 1339748.9/24

Right Out: 547.335 ± 0.096 χ^2/NDF : 2739441.4/32

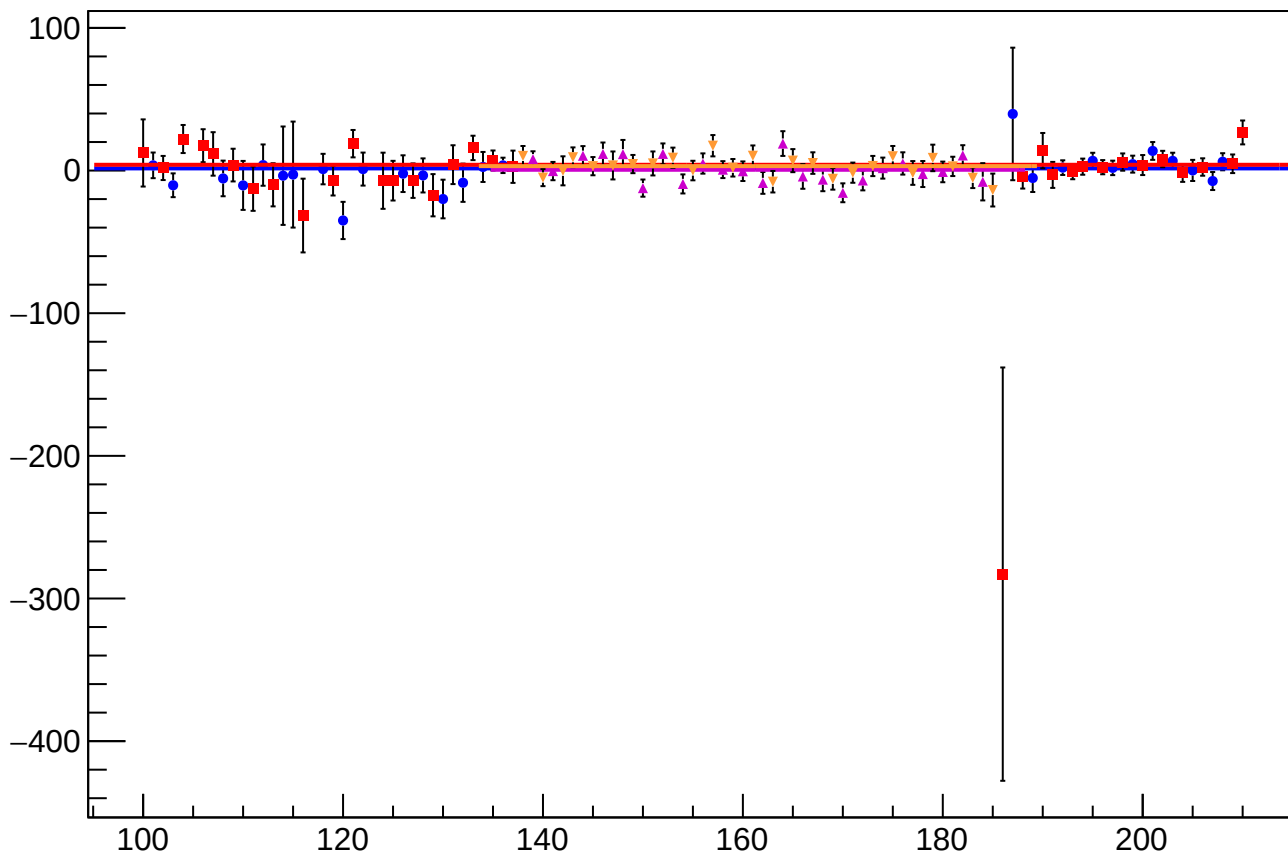
Left In: 694.150 ± 0.120 χ^2/NDF : 2225094.5/22

+ sign 620.935 ± 0.078 χ^2/NDF : 5124613.1/51

All: 612.810 ± 0.054 χ^2/NDF : 11023438.1/10

- sign 605.247 ± 0.075 χ^2/NDF : 5877779.4/55

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 1.498 ± 1.567 χ^2/NDF : 23.8/26

Left Out: 3.111 ± 1.476 χ^2/NDF : 18.7/24

Right Out: 4.047 ± 1.487 χ^2/NDF : 34.7/32

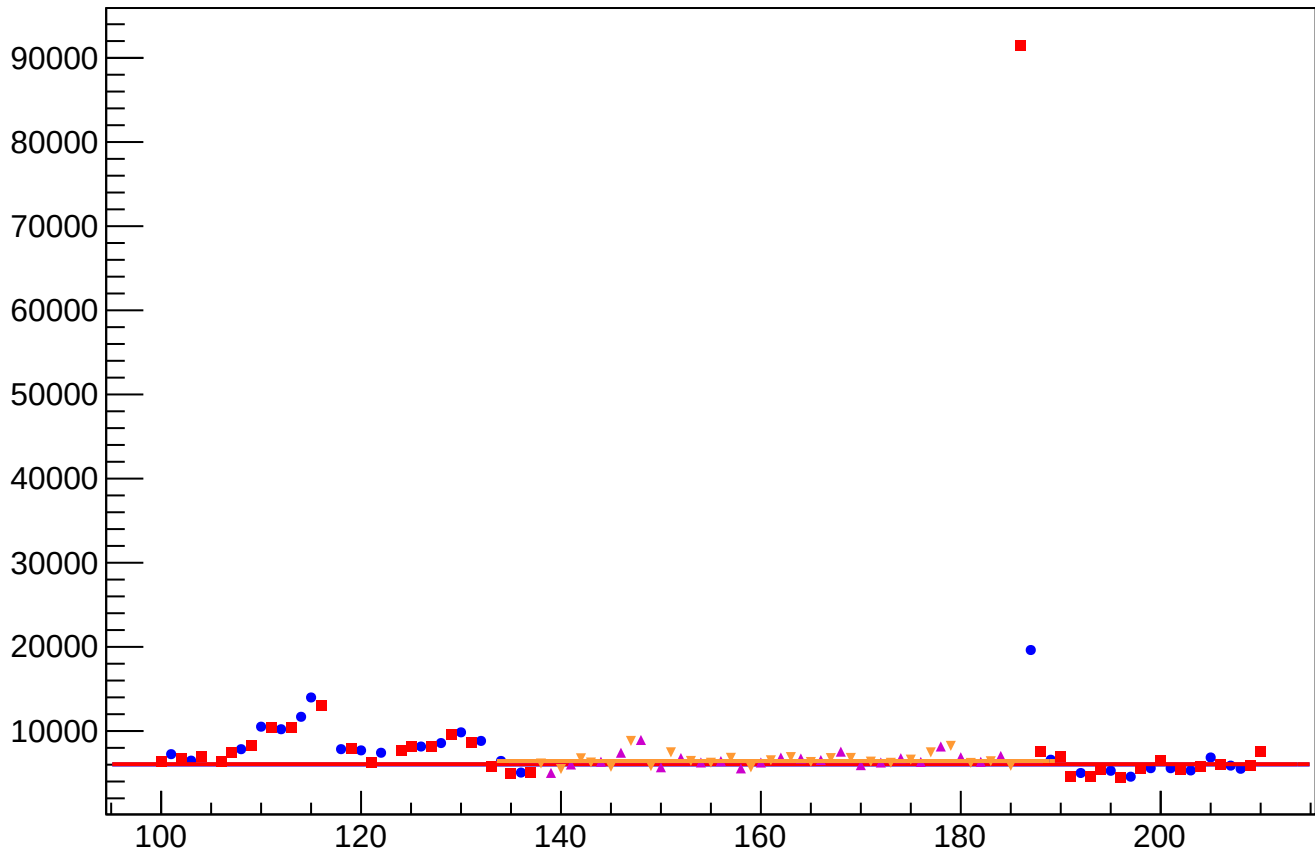
Left In: 0.550 ± 1.512 χ^2/NDF : 33.6/22

+ sign 2.352 ± 1.074 χ^2/NDF : 43.1/51

All: 2.340 ± 0.755 χ^2/NDF : 114.1/107

- sign 2.328 ± 1.060 χ^2/NDF : 71.0/55

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6022.068 $\pm$ 1.108 χ^2 /NDF: 1662864.9/26

Left Out: 6435.363 $\pm$ 1.044 χ^2 /NDF: 417318.3/24

Right Out: 6061.550 $\pm$ 1.051 χ^2 /NDF: 2384913.4/32

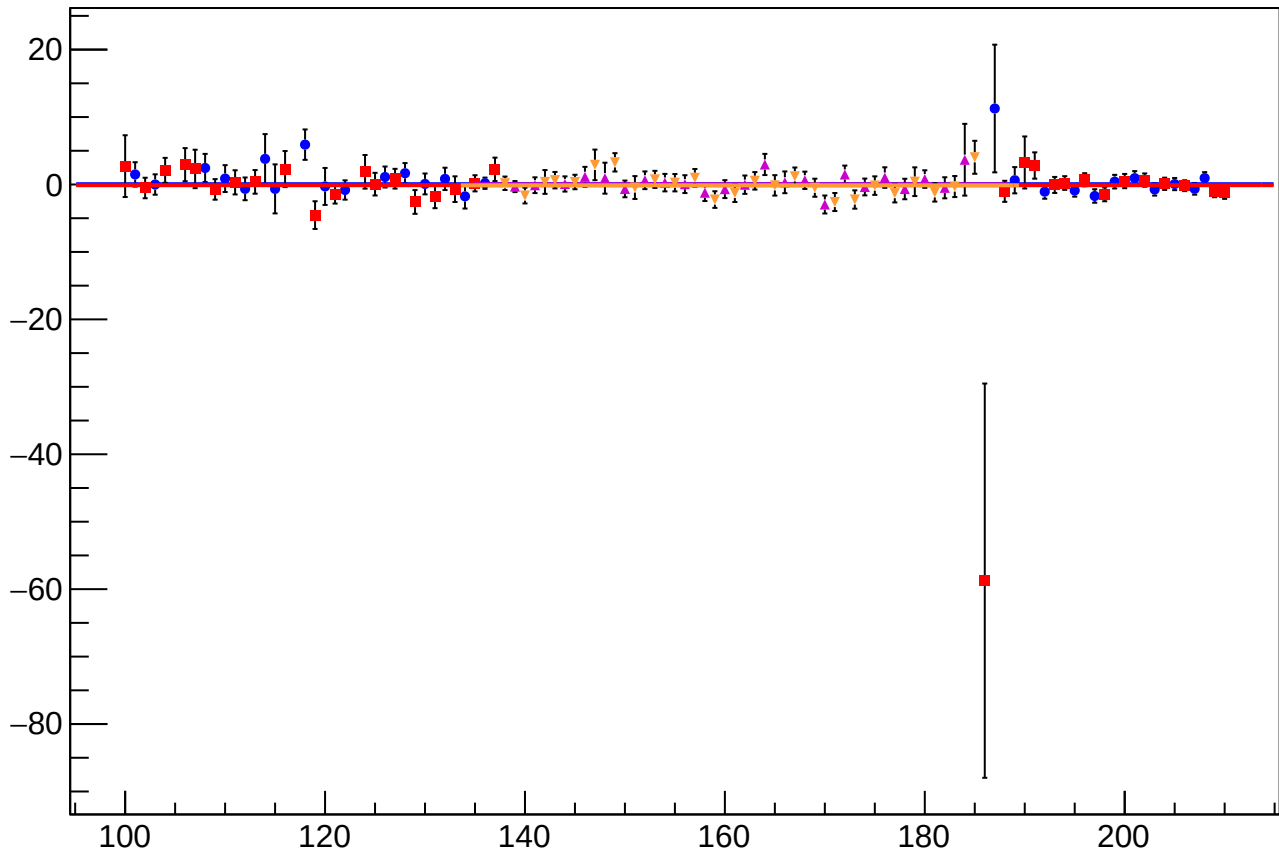
Left In: 6405.229 $\pm$ 1.069 χ^2 /NDF: 525079.4/22

+ sign 6241.009 $\pm$ 0.760 χ^2 /NDF: 2153902.3/51

All: 6235.668 $\pm$ 0.534 χ^2 /NDF: 5116507.0/10

- sign 6230.467 $\pm$ 0.750 χ^2 /NDF: 2962507.1/55

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.042 ± 0.248 χ^2/NDF : 23.4/26

Left Out: -0.122 ± 0.273 χ^2/NDF : 27.0/24

Right Out: -0.105 ± 0.240 χ^2/NDF : 29.9/32

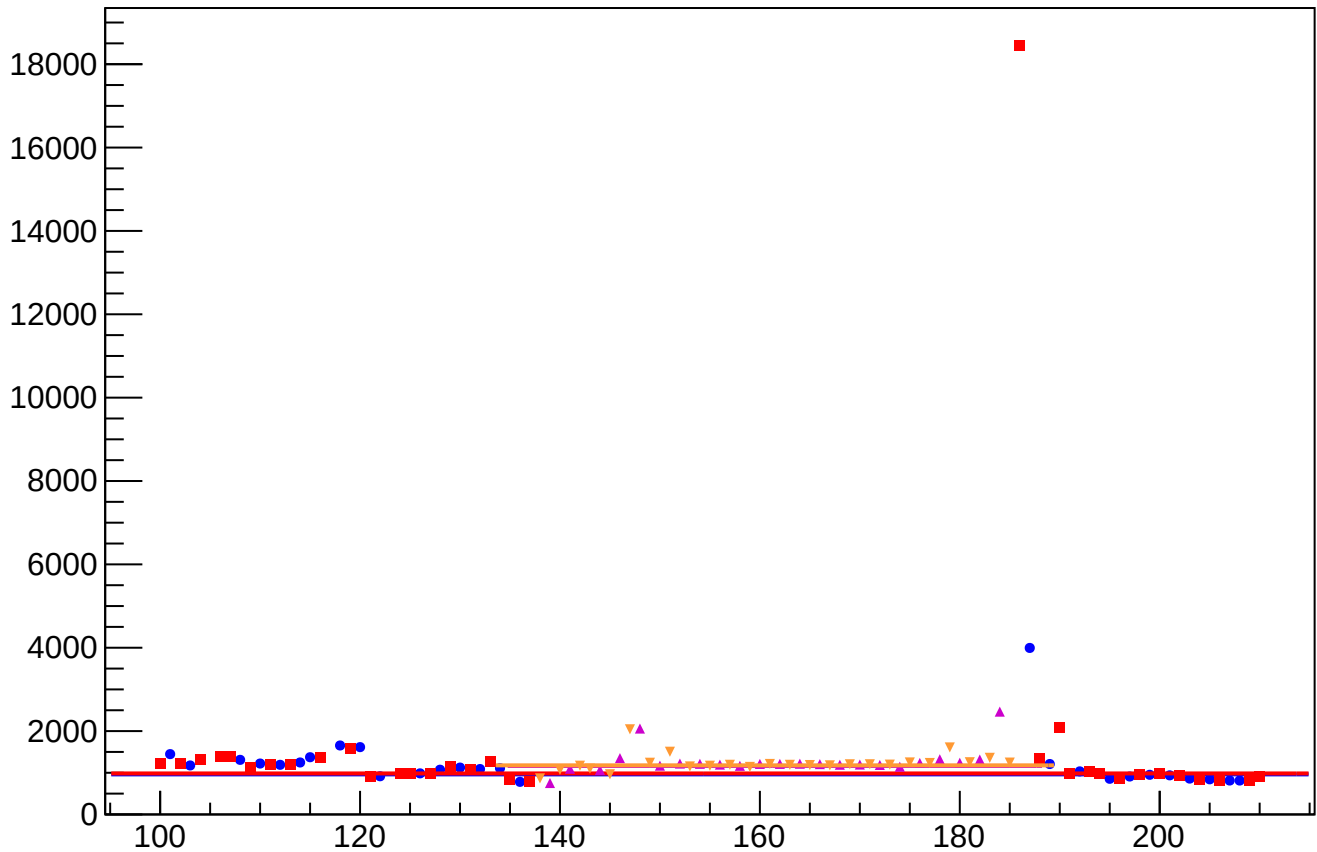
Left In: 0.029 ± 0.279 χ^2/NDF : 14.4/22

+ sign -0.032 ± 0.184 χ^2/NDF : 50.6/51

All: -0.040 ± 0.129 χ^2/NDF : 95.1/107

- sign -0.048 ± 0.182 χ^2/NDF : 44.5/55

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 961.090 $\pm$ 0.176 χ^2 /NDF: 1257520.2/26

Left Out: 1177.742 $\pm$ 0.193 χ^2 /NDF: 800899.0/24

Right Out: 984.081 $\pm$ 0.169 χ^2 /NDF: 1892810.2/32

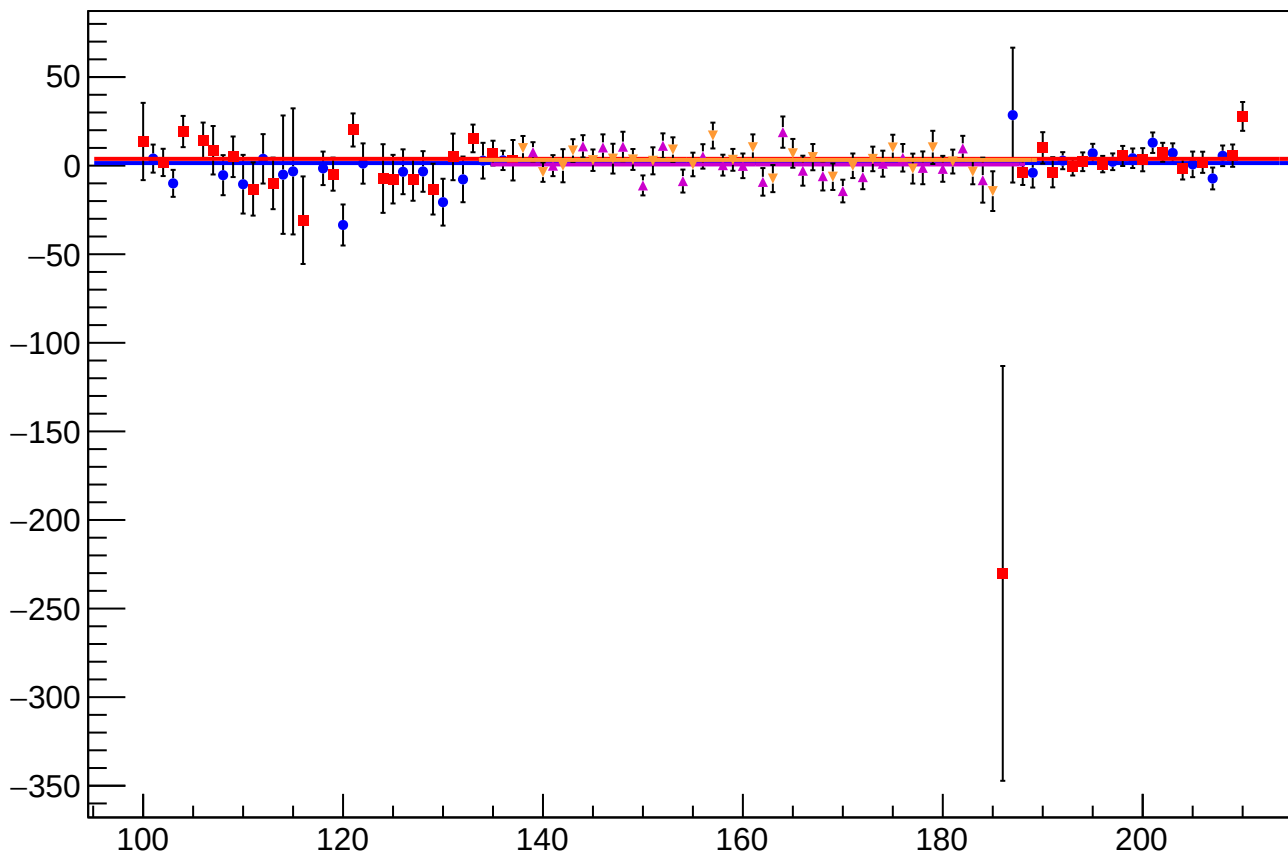
Left In: 1163.827 $\pm$ 0.197 χ^2 /NDF: 1052206.0/22

+ sign 1058.997 $\pm$ 0.130 χ^2 /NDF: 2746895.7/51

All: 1059.776 $\pm$ 0.091 χ^2 /NDF: 6170457.8/10

- sign 1060.536 $\pm$ 0.128 χ^2 /NDF: 3423491.2/55

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: 1.448 ± 1.479 χ^2/NDF : 26.2/26

Left Out: 3.234 ± 1.430 χ^2/NDF : 17.9/24

Right Out: 3.837 ± 1.393 χ^2/NDF : 36.5/32

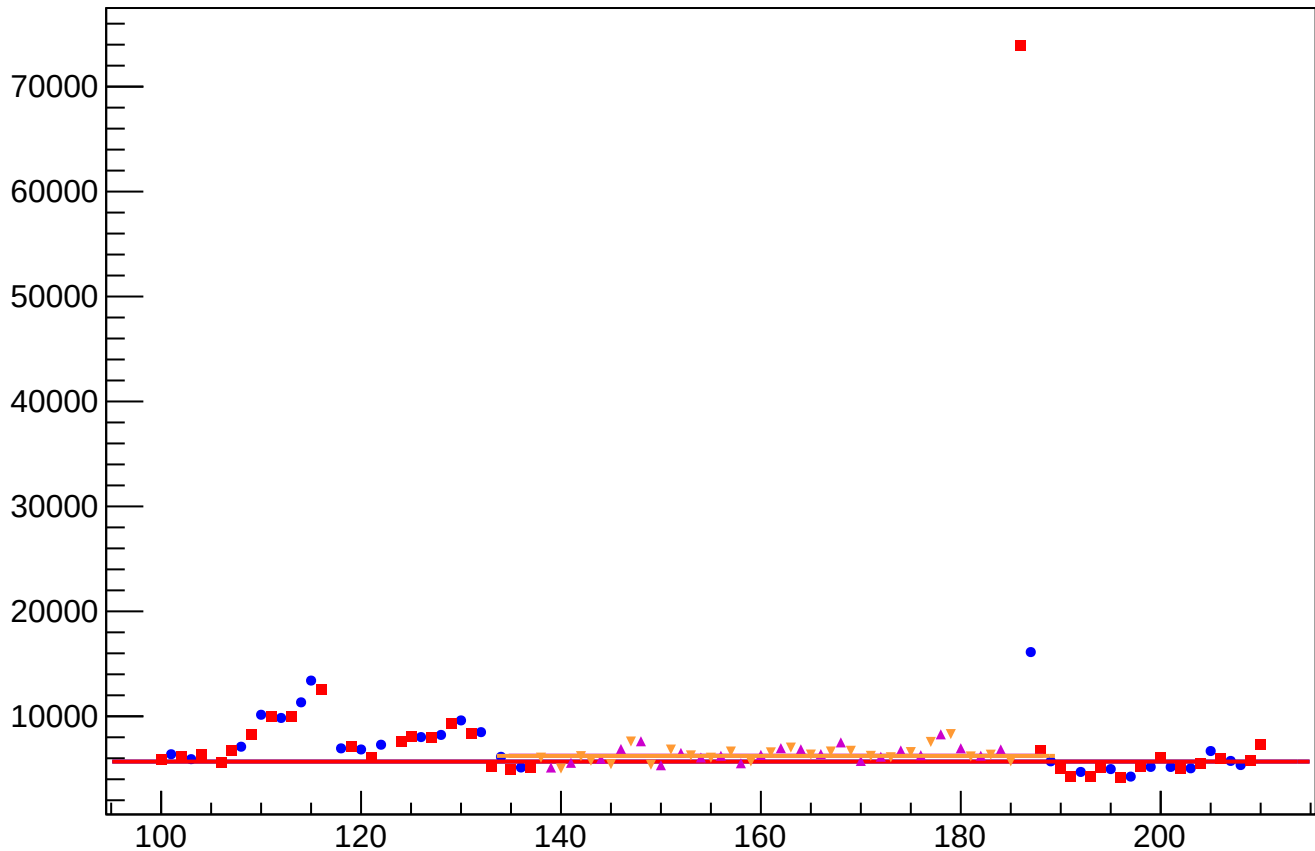
Left In: 0.667 ± 1.474 χ^2/NDF : 32.4/22

+ sign 2.372 ± 1.028 χ^2/NDF : 44.8/51

All: 2.356 ± 0.721 χ^2/NDF : 116.2/107

- sign 2.341 ± 1.012 χ^2/NDF : 71.3/55

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5688.709+/-1.046 χ^2/NDF : 1642113.8/26

Left Out: 6228.654+/-1.011 χ^2/NDF : 470851.7/24

Right Out: 5684.456+/-0.985 χ^2/NDF : 2425846.4/32

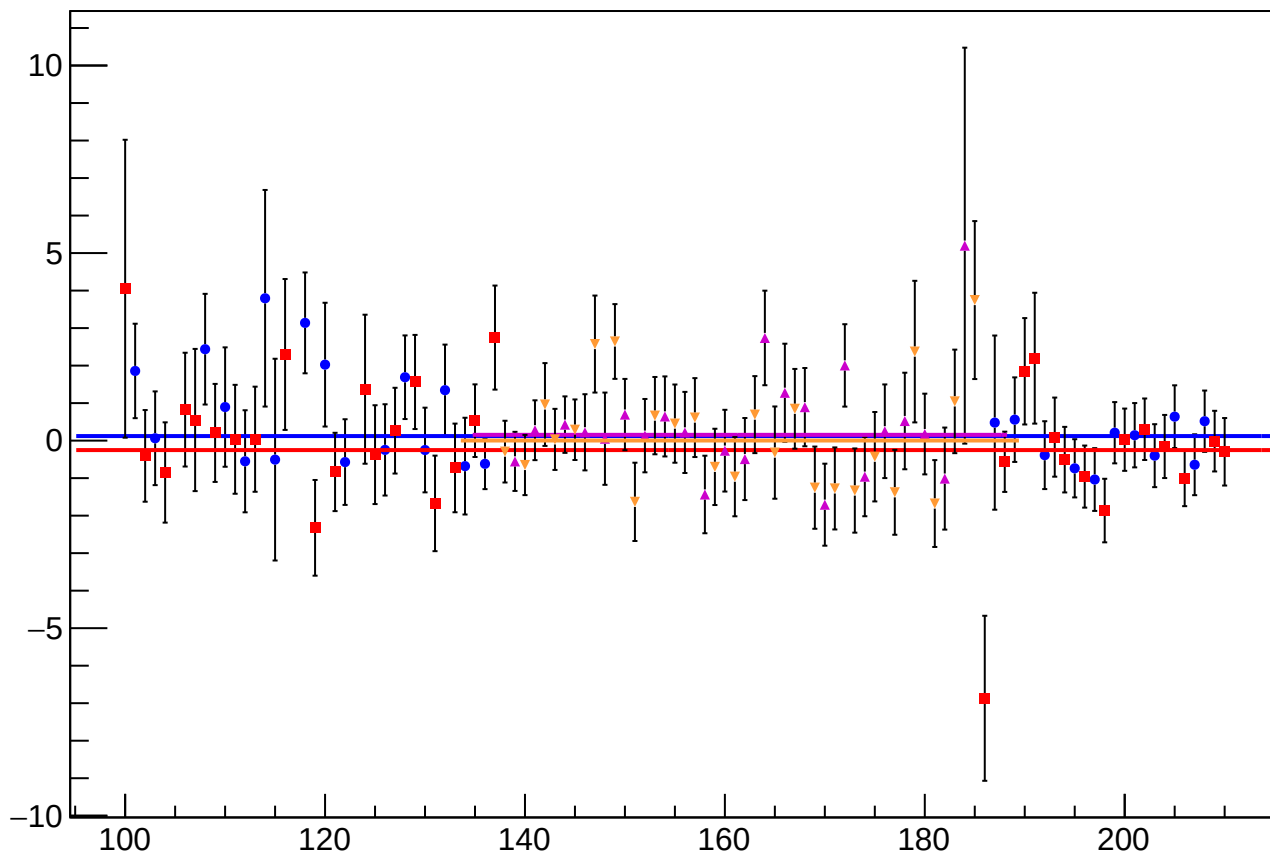
Left In: 6246.800+/-1.042 χ^2/NDF : 484982.9/22

+ sign 5967.793+/-0.727 χ^2/NDF : 2250802.6/51

All: 5958.699+/-0.510 χ^2/NDF : 5315709.3/10

- sign 5949.875+/-0.716 χ^2/NDF : 3064598.2/55

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.121 ± 0.203 χ^2/NDF : 23.6/26

Left Out: 0.003 ± 0.212 χ^2/NDF : 31.6/24

Right Out: -0.252 ± 0.192 χ^2/NDF : 36.1/32

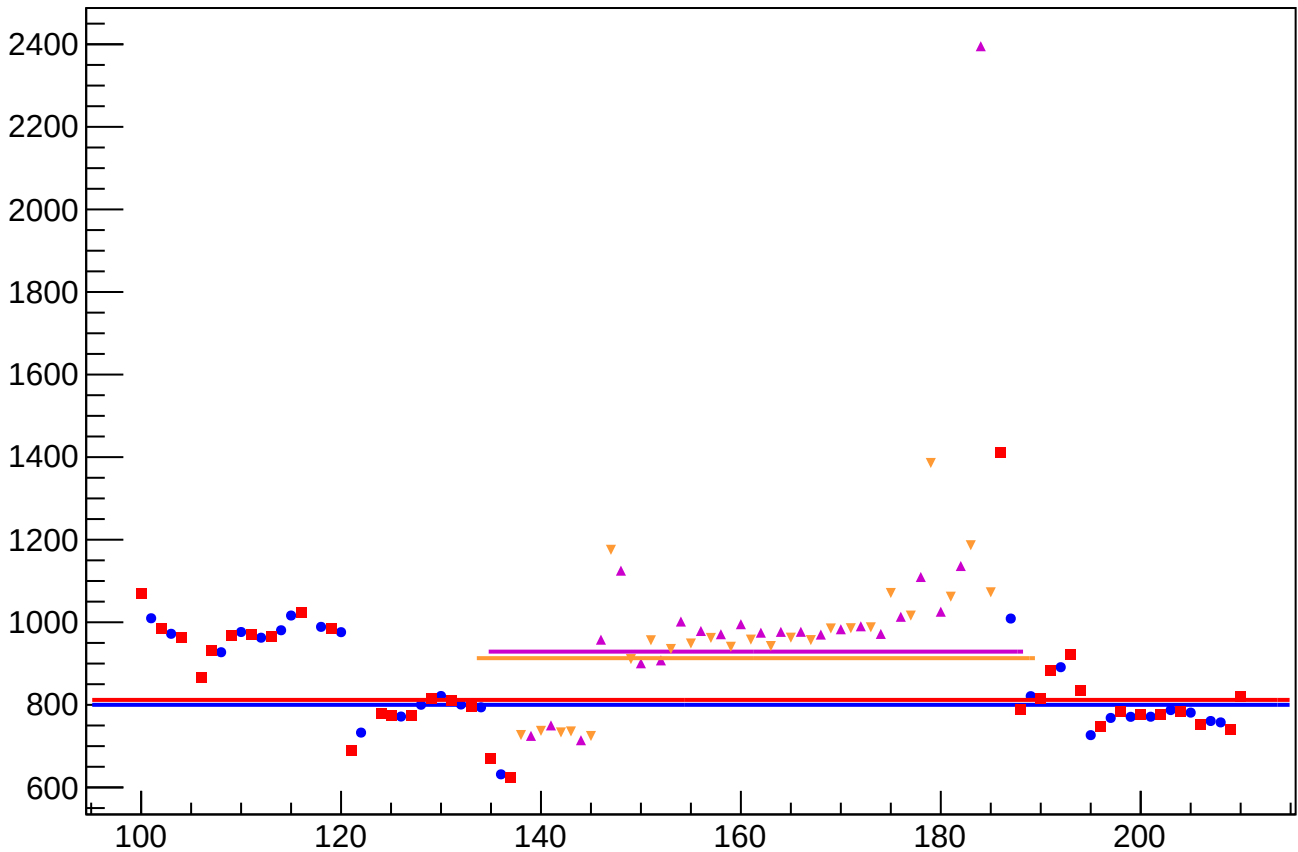
Left In: 0.154 ± 0.221 χ^2/NDF : 18.4/22

+ sign 0.065 ± 0.146 χ^2/NDF : 55.4/51

All: -0.007 ± 0.103 χ^2/NDF : 112.3/107

- sign -0.077 ± 0.145 χ^2/NDF : 56.5/55

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 800.084 ± 0.143 χ^2/NDF : 452111.9/26

Left Out: 913.070 ± 0.150 χ^2/NDF : 889200.0/24

Right Out: 811.980 ± 0.136 χ^2/NDF : 562036.3/32

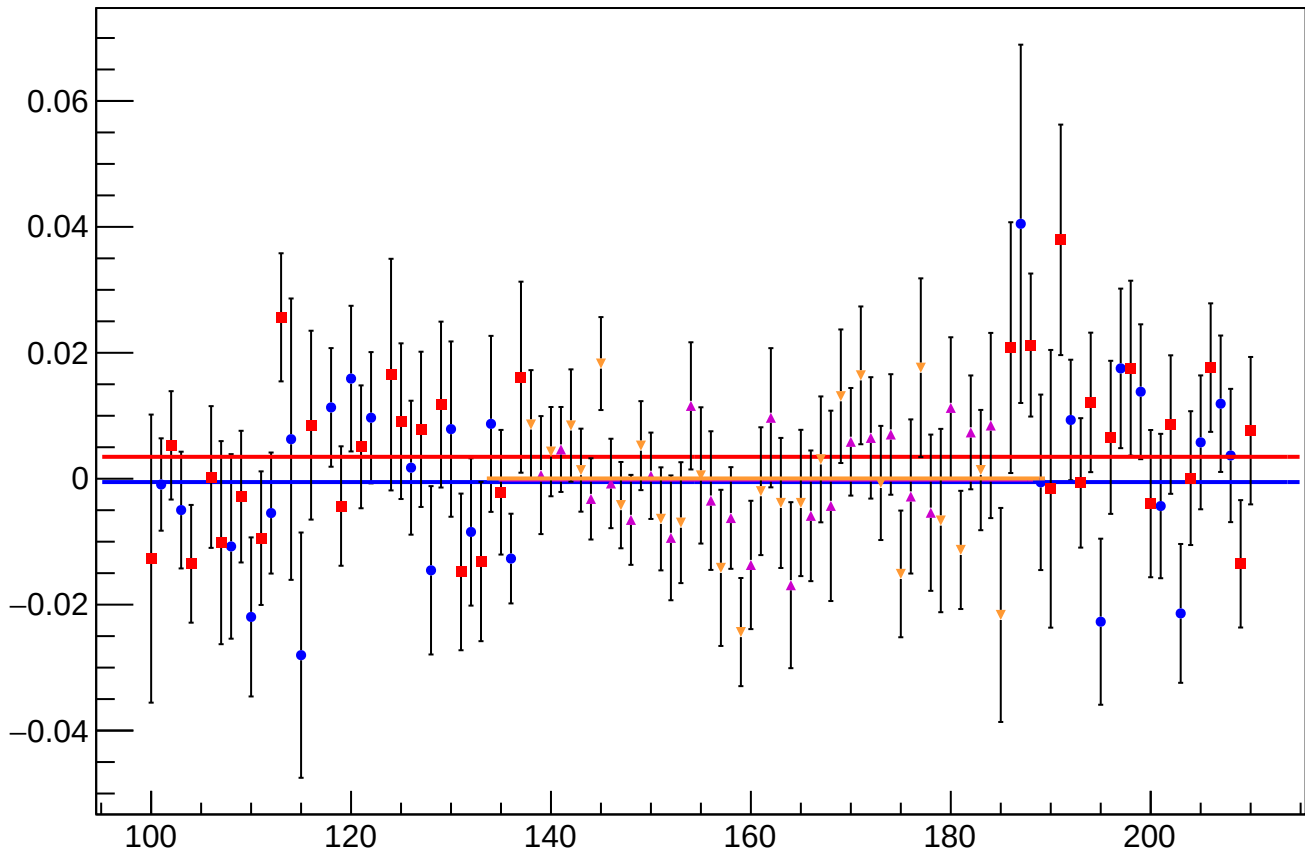
Left In: 928.913 ± 0.156 χ^2/NDF : 769065.0/22

+ sign 854.035 ± 0.104 χ^2/NDF : 1638353.1/51

All: 858.221 ± 0.073 χ^2/NDF : 3291317.5/107

- sign 862.330 ± 0.103 χ^2/NDF : 1649725.6/55

diff_dispE_bpm12X_mean vs Slug



Right In: -0.001 ± 0.002 χ^2/NDF : 31.1/26

Left Out: 0.000 ± 0.002 χ^2/NDF : 31.1/24

Right Out: 0.003 ± 0.002 χ^2/NDF : 32.4/32

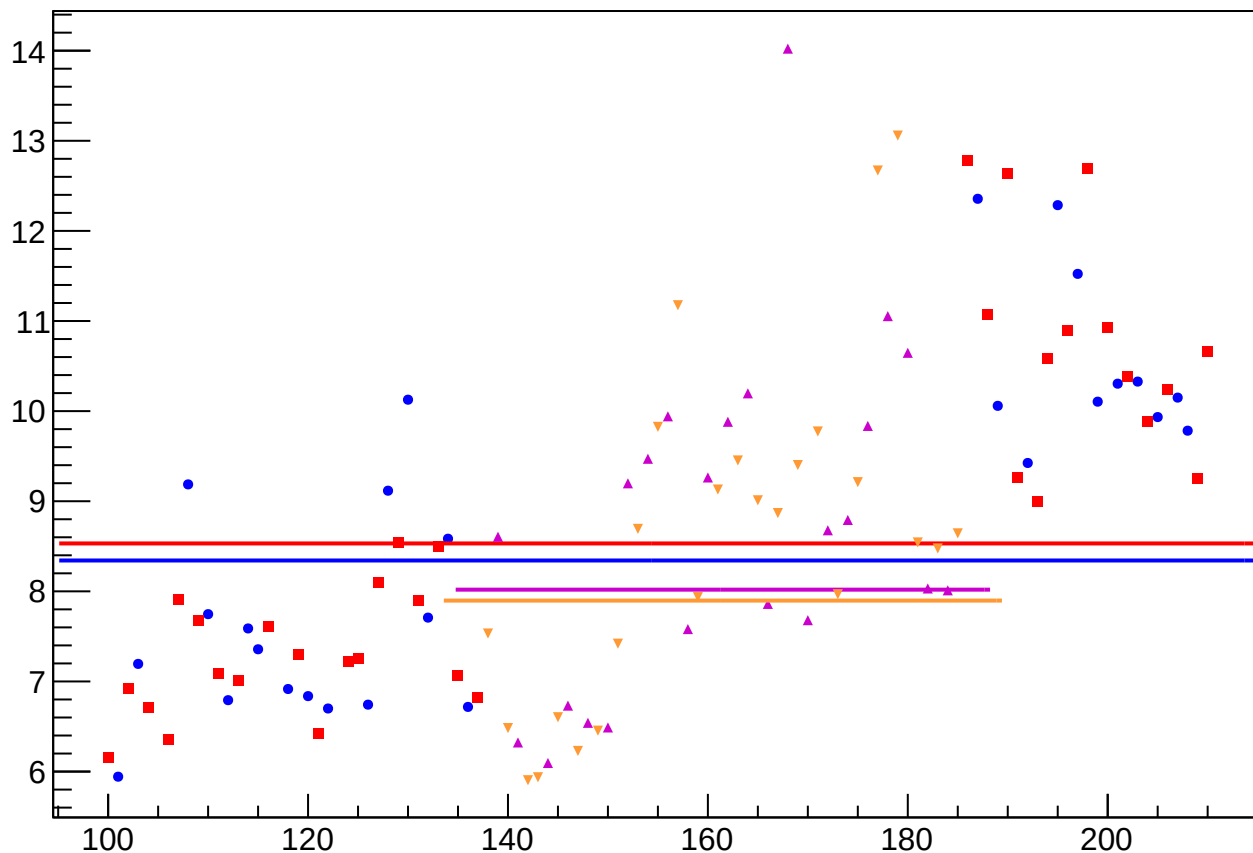
Left In: -0.000 ± 0.002 χ^2/NDF : 12.8/22

+ sign -0.000 ± 0.001 χ^2/NDF : 62.3/51

All: 0.001 ± 0.001 χ^2/NDF : 110.0/107

- sign 0.002 ± 0.001 χ^2/NDF : 46.9/55

diff_dispE_bpm12X_rms vs Slug



Right In: 8.342 $\pm$ 0.002 χ^2 /NDF: 1355393.8/26

Left Out: 7.897 $\pm$ 0.001 χ^2 /NDF:1590867.7/24

Right Out: 8.532 $\pm$ 0.001 χ^2 /NDF: 1478401.3/32

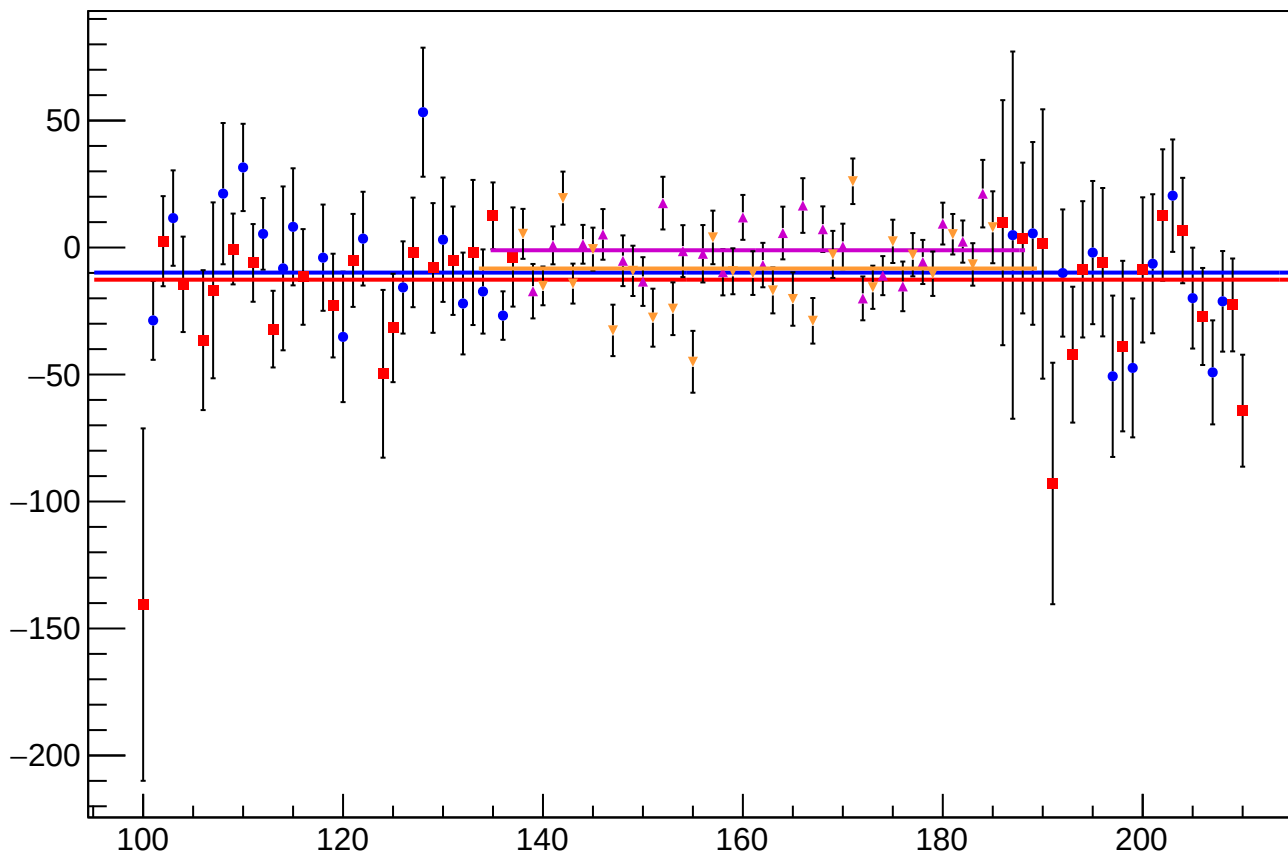
Left In: 8.019 $\pm$ 0.001 χ^2 /NDF:1455714.6/22

+ sign 8.086 $\pm$ 0.001 χ^2 /NDF: 2995631.5/51

All: 8.172 $\pm$ 0.001 χ^2 /NDF: 6011491.7/107

- sign 8.258 $\pm$ 0.001 χ^2 /NDF: 3000828.5/55

diff_targ_positionX_mean vs Slug



Right In: -9.867 ± 3.874 χ^2/NDF : 33.5/26

Left Out: -8.256 ± 1.849 χ^2/NDF : 62.2/24

Right Out: -12.663 ± 3.806 χ^2/NDF : 27.9/32

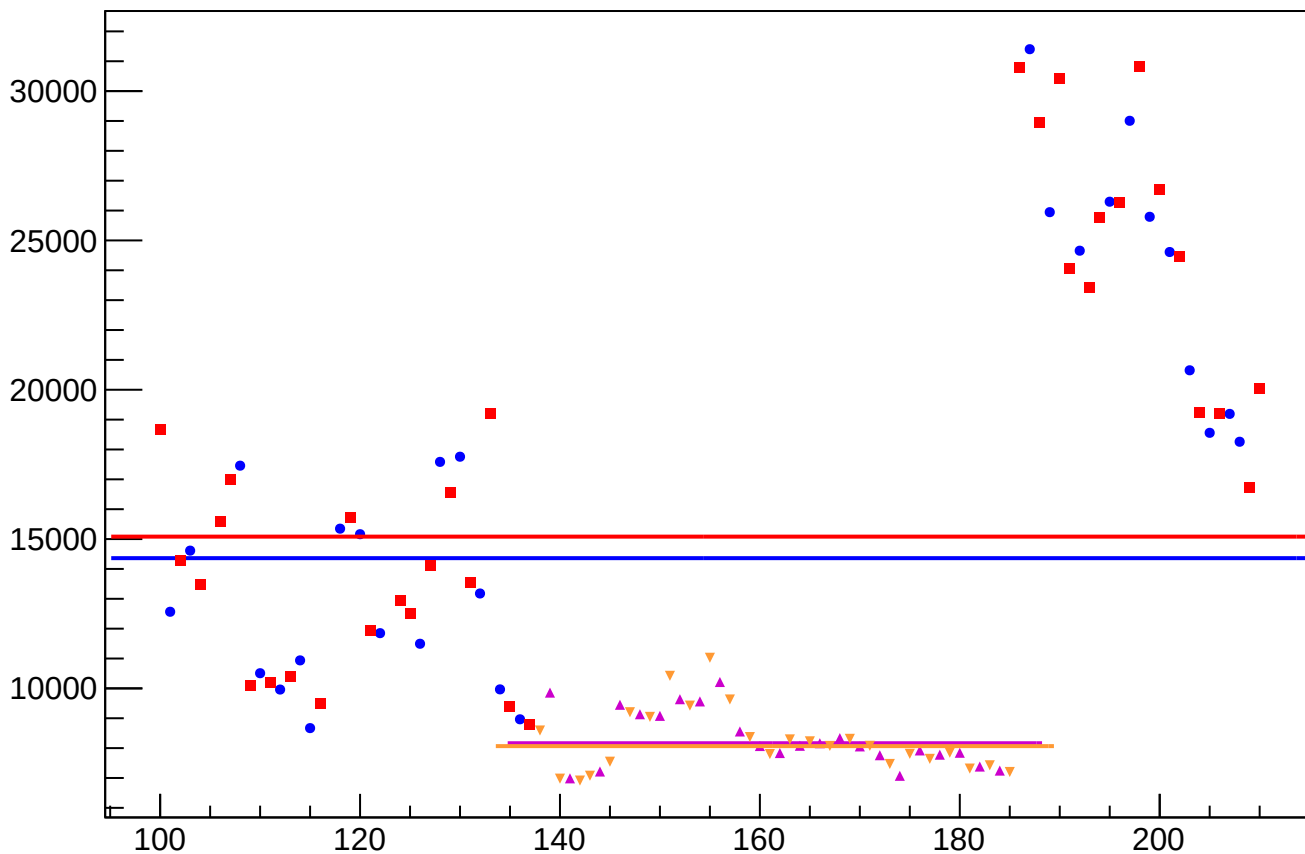
Left In: -1.072 ± 1.921 χ^2/NDF : 28.8/22

+ sign -8.555 ± 1.669 χ^2/NDF : 95.8/51

All: -6.060 ± 1.196 χ^2/NDF : 164.5/107

- sign -3.425 ± 1.715 χ^2/NDF : 64.2/55

diff_targ_positionX_rms vs Slug



Right In: 14360.917+/-2.739 χ^2/NDF : 3952448.4/26

Left Out: 8066.710+/-1.308 χ^2/NDF :498146.1/24

Right Out: 15081.872+/-2.691 χ^2/NDF : 4618406.2/32

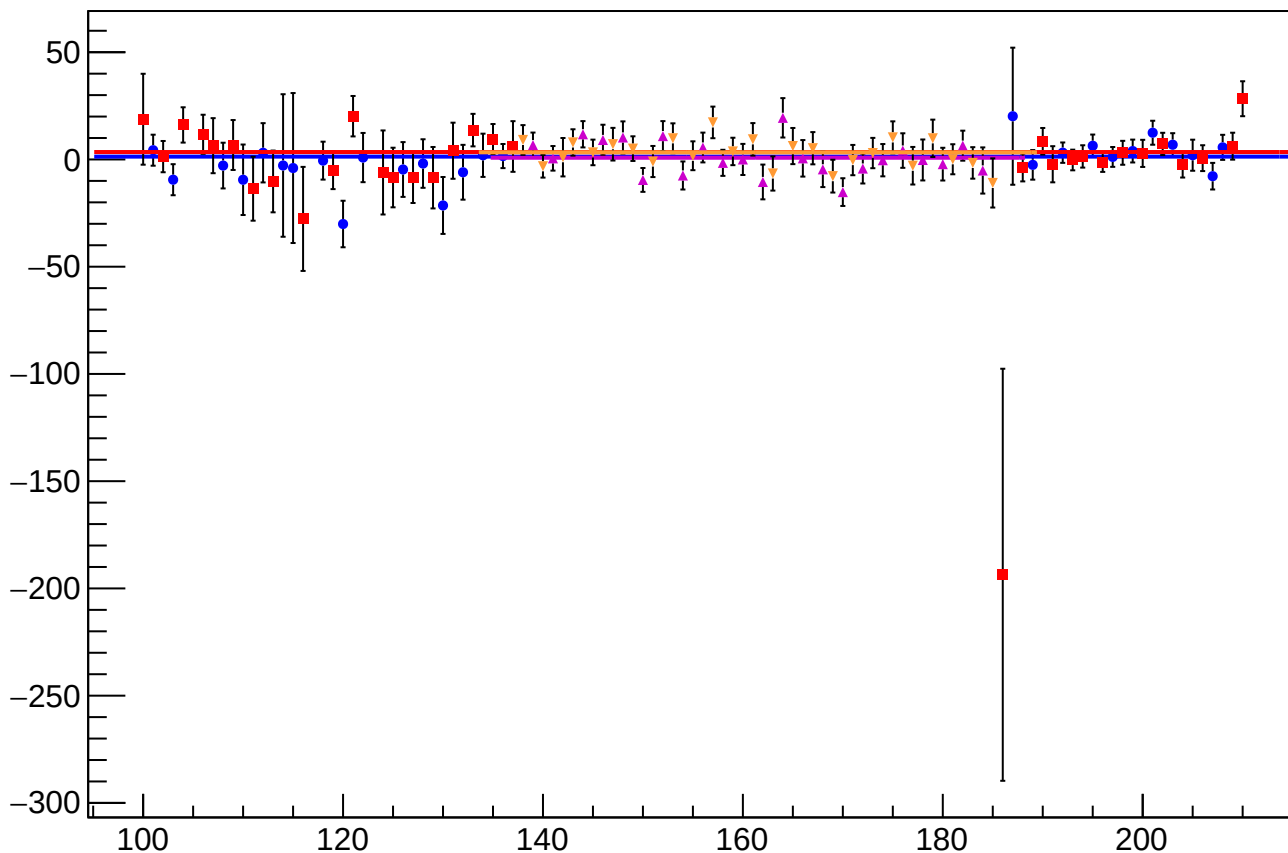
Left In: 8163.472+/-1.358 χ^2/NDF :432350.3/22

+ sign 9234.892+/-1.180 χ^2/NDF : 8749994.1/51

All: 9396.931+/-0.846 χ^2/NDF : 19106761.7/100

- sign 9567.986+/-1.213 χ^2/NDF : 10318014.6/55

diff_targ_positionY_mean vs Slug



Right In: 1.324 ± 1.444 χ^2/NDF : 24.8/26

Left Out: 3.330 ± 1.431 χ^2/NDF : 16.9/24

Right Out: 3.467 ± 1.348 χ^2/NDF : 36.8/32

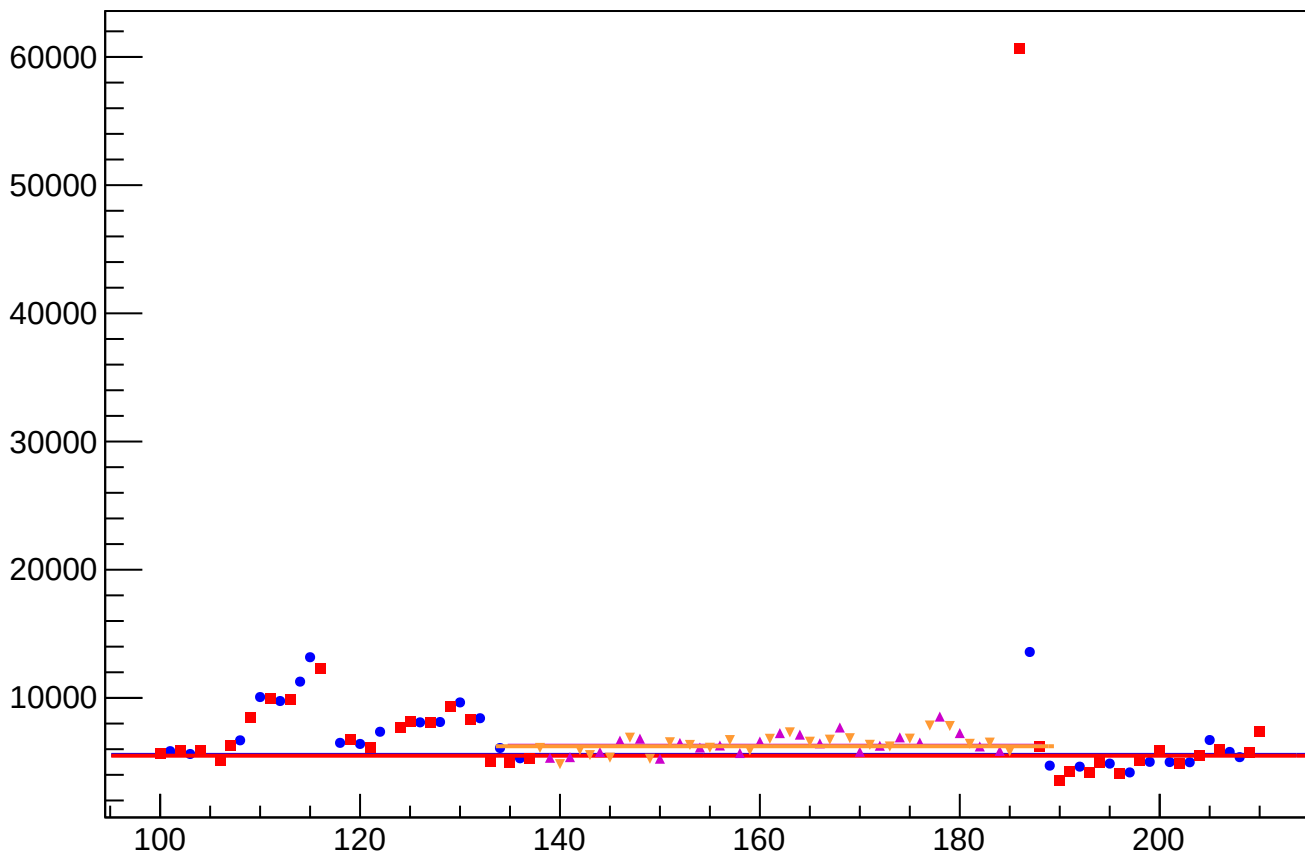
Left In: 0.797 ± 1.479 χ^2/NDF : 29.4/22

+ sign 2.336 ± 1.016 χ^2/NDF : 42.7/51

All: 2.295 ± 0.711 χ^2/NDF : 110.7/107

- sign 2.255 ± 0.996 χ^2/NDF : 68.0/55

diff_targ_positionY_rms vs Slug



Right In: 5556.163+/-1.021 χ^2/NDF : 1641726.9/26

Left Out: 6230.934+/-1.012 χ^2/NDF : 532579.4/24

Right Out: 5492.846+/-0.953 χ^2/NDF : 2607782.0/32

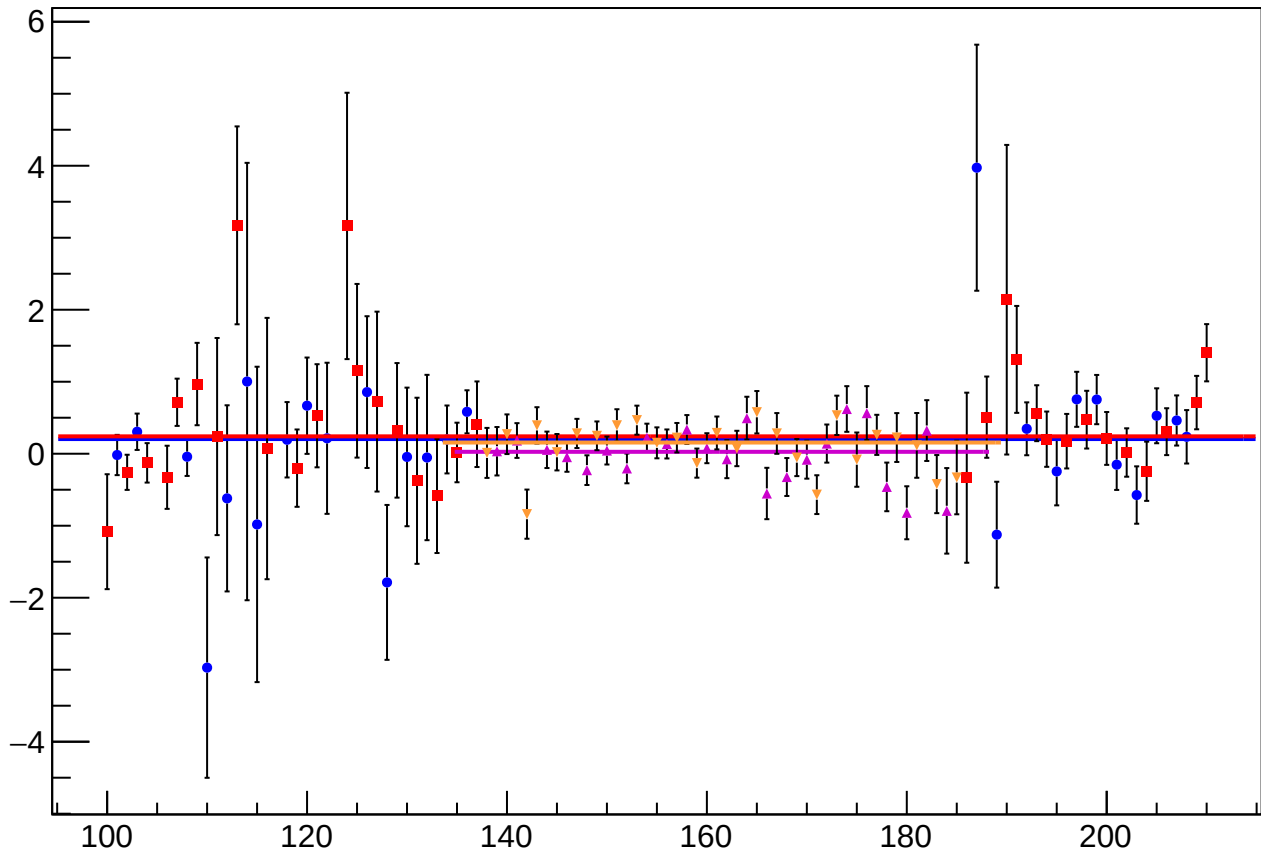
Left In: 6270.834+/-1.046 χ^2/NDF : 504723.6/22

+ sign 5896.649+/-0.719 χ^2/NDF : 2394751.8/51

All: 5870.822+/-0.503 χ^2/NDF : 5812133.5/10

- sign 5845.999+/-0.704 χ^2/NDF : 3414848.0/55

diff_targ_thetaX_mean vs Slug



Right In: 0.204 ± 0.086 χ^2/NDF : 32.7/26

Left Out: 0.156 ± 0.052 χ^2/NDF : 32.3/24

Right Out: 0.241 ± 0.082 χ^2/NDF : 40.9/32

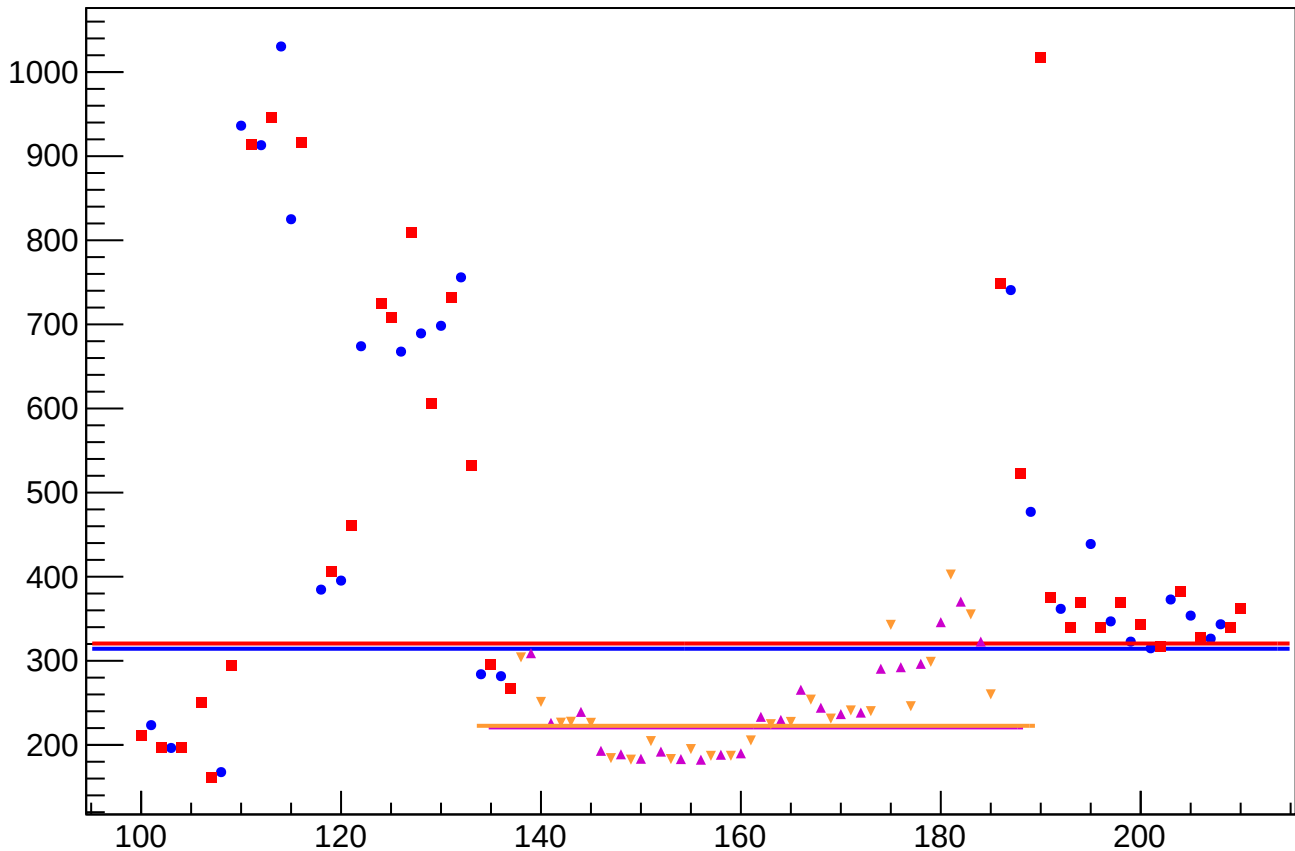
Left In: 0.026 ± 0.053 χ^2/NDF : 29.8/22

+ sign 0.169 ± 0.044 χ^2/NDF : 65.2/51

All: 0.129 ± 0.031 χ^2/NDF : 142.3/107

- sign 0.089 ± 0.045 χ^2/NDF : 75.5/55

diff_targ_thetaX_rms vs Slug



Right In: 314.330 ± 0.061 $\chi^2/\text{NDF}: 4135792.2/26$

Left Out: 222.727 ± 0.037 $\chi^2/\text{NDF}: 1451363.0/24$

Right Out: 320.559 ± 0.058 $\chi^2/\text{NDF}: 4729973.7/32$

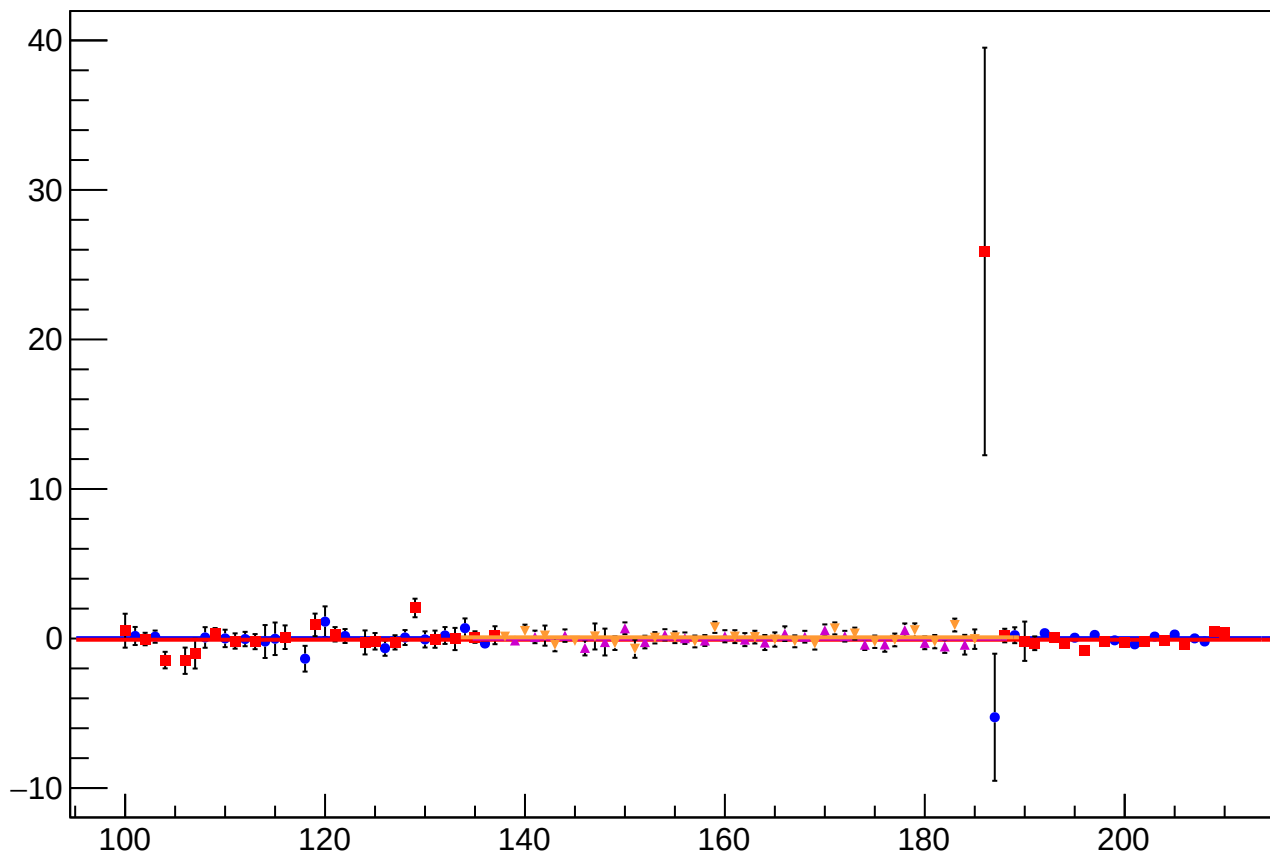
Left In: 220.802 ± 0.037 $\chi^2/\text{NDF}: 1471497.9/22$

+ sign 247.329 ± 0.031 $\chi^2/\text{NDF}: 7259790.5/51$

All: 248.662 ± 0.022 $\chi^2/\text{NDF}: 15541351.3/10$

- sign 250.003 ± 0.031 $\chi^2/\text{NDF}: 8277945.1/55$

diff_targ_thetaY_mean vs Slug



Right In: 0.026 ± 0.070 χ^2/NDF : 16.9/26

Left Out: 0.079 ± 0.084 χ^2/NDF : 19.0/24

Right Out: -0.081 ± 0.067 χ^2/NDF : 50.1/32

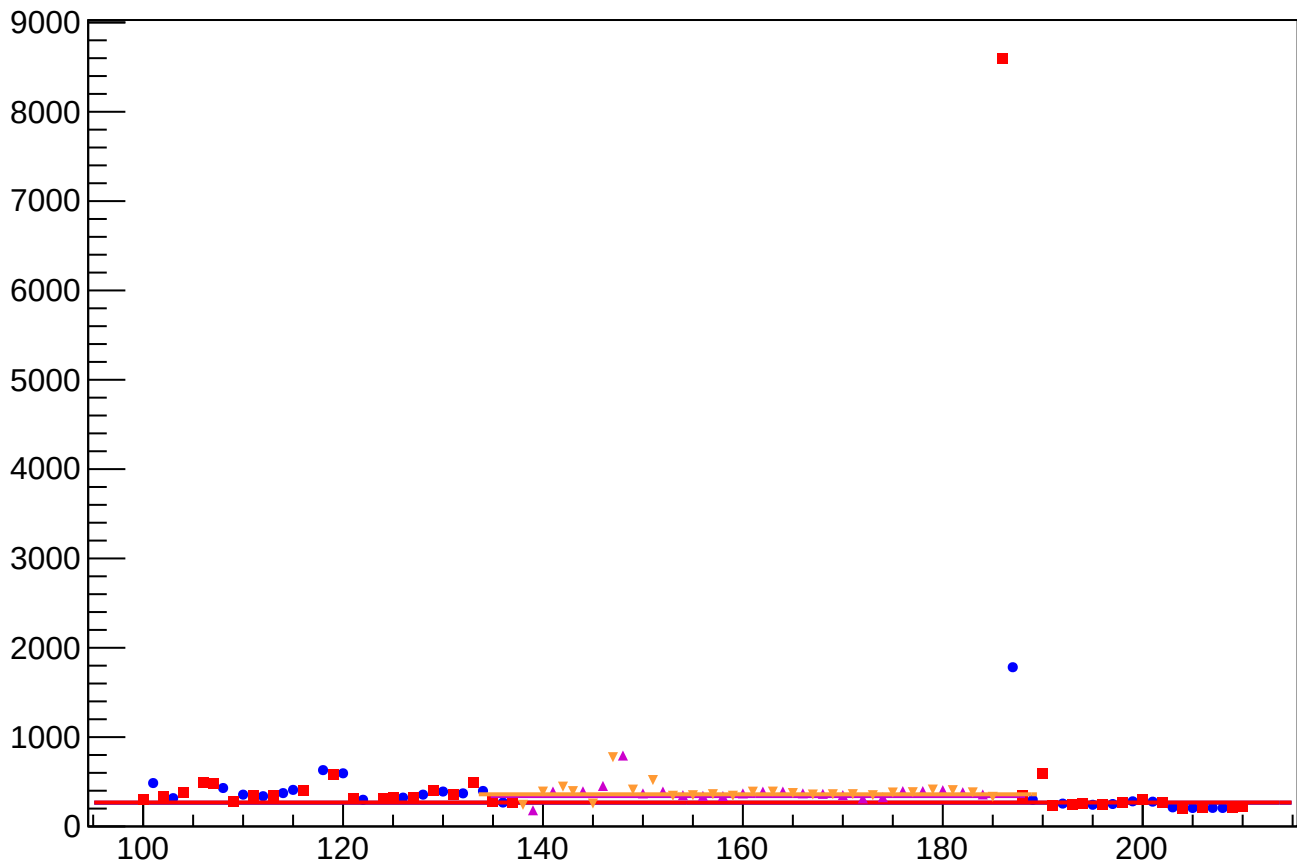
Left In: -0.009 ± 0.083 χ^2/NDF : 15.2/22

+ sign 0.048 ± 0.054 χ^2/NDF : 36.1/51

All: -0.004 ± 0.037 χ^2/NDF : 103.6/107

- sign -0.052 ± 0.052 χ^2/NDF : 65.8/55

diff_targ_thetaY_rms vs Slug



Right In: 265.517+/-0.050 χ^2/NDF : 2299368.5/26

Left Out: 360.021+/-0.060 χ^2/NDF : 1339748.9/24

Right Out: 268.104+/-0.047 χ^2/NDF : 2739441.4/32

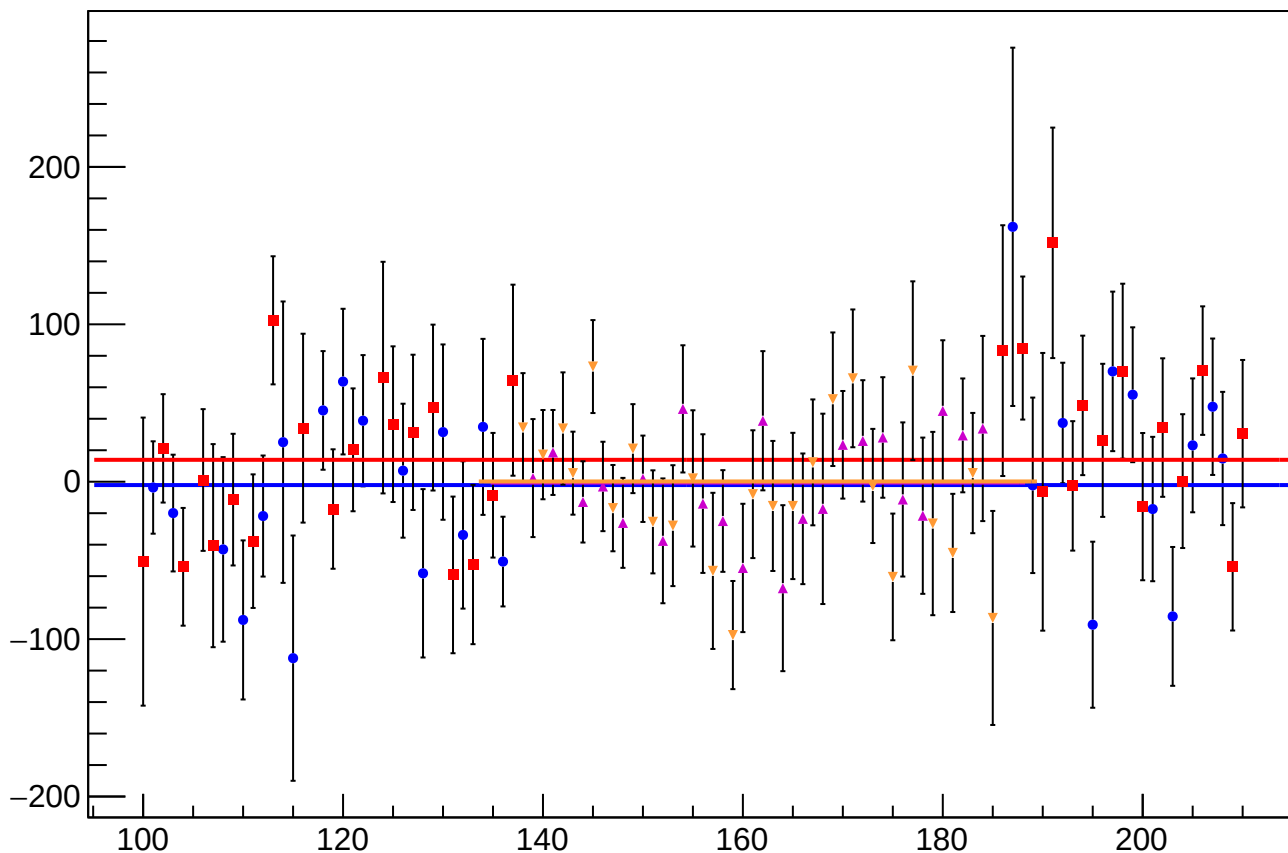
Left In: 340.020+/-0.059 χ^2/NDF : 2225094.5/22

+ sign 304.156+/-0.038 χ^2/NDF : 5124613.1/51

All: 300.176+/-0.026 χ^2/NDF : 11023438.1/10

- sign 296.472+/-0.037 χ^2/NDF : 5877779.4/55

diff_bpmE_mean vs Slug



Right In: -2.128 ± 8.599 χ^2/NDF : 31.1/26

Left Out: 0.168 ± 7.375 χ^2/NDF : 31.1/24

Right Out: 13.914 ± 8.210 χ^2/NDF : 32.4/32

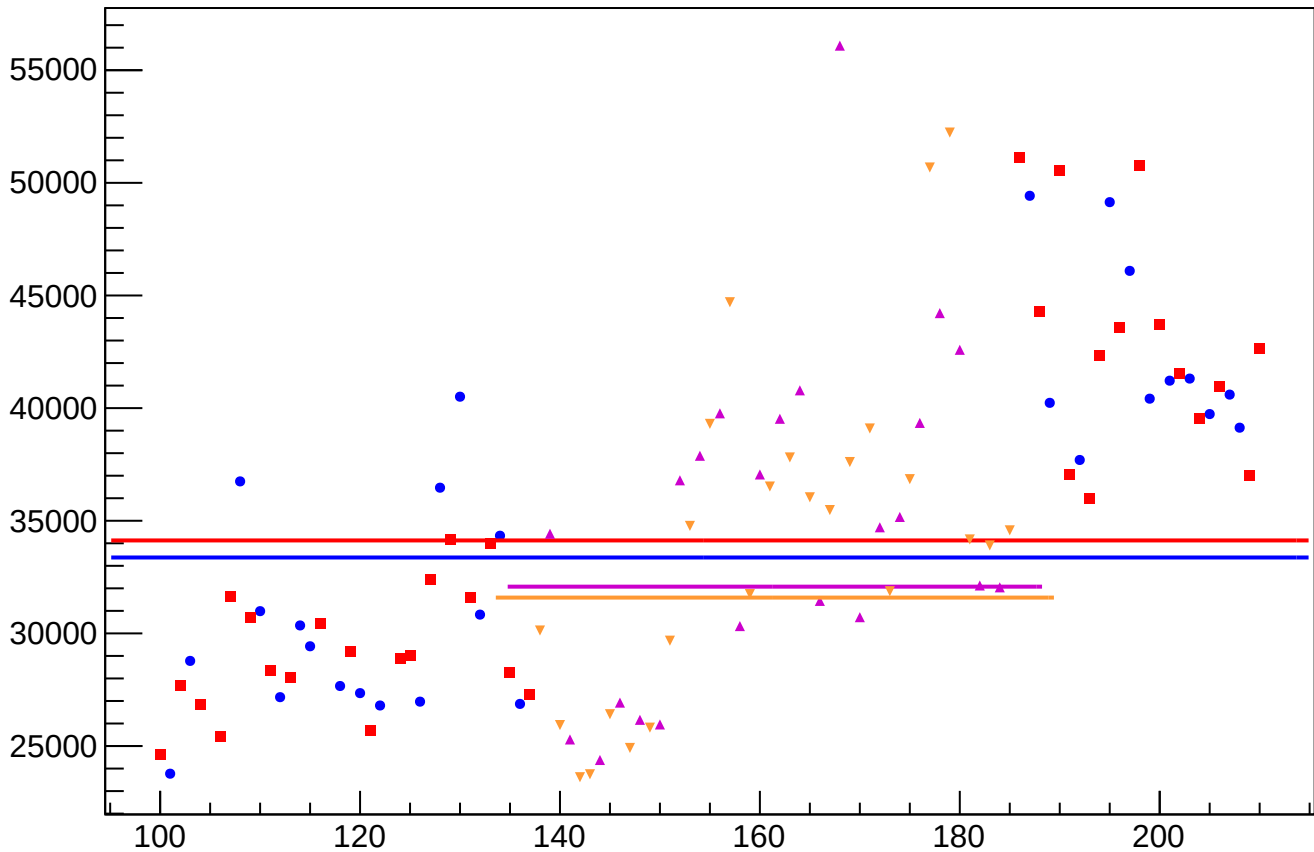
Left In: -0.586 ± 7.667 χ^2/NDF : 12.8/22

+ sign -0.805 ± 5.598 χ^2/NDF : 62.3/51

All: 2.679 ± 3.960 χ^2/NDF : 110.0/107

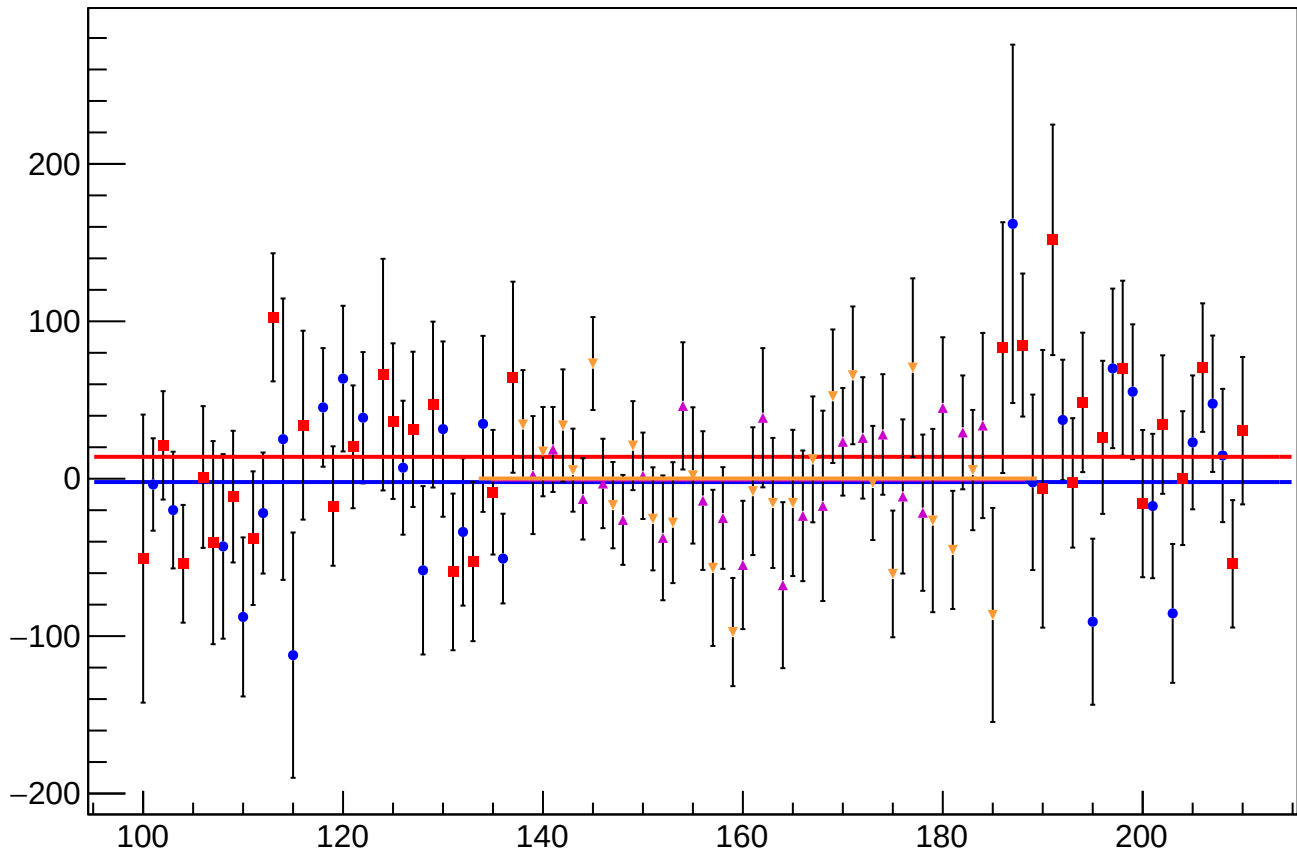
- sign 6.169 ± 5.603 χ^2/NDF : 46.9/55

diff_bpmE_rms vs Slug



Right In: 33369.688+/-6.080	χ^2/NDF : 1355393.8/26	+ sign 32344.150+/-3.958	χ^2/NDF : 2995631.5/51
Left Out: 31589.841+/-5.215	χ^2/NDF : 1590867.7/24	All: 32687.156+/-2.800	χ^2/NDF : 6011491.7/1
Right Out: 34126.630+/-5.805	χ^2/NDF : 1478401.3/32	- sign 33030.817+/-3.962	χ^2/NDF : 3000828.5/55
Left In: 32075.078+/-5.421	χ^2/NDF : 1455714.6/22		

diff_bpmEX_mean vs Slug



Right In: -2.128 ± 8.599 χ^2/NDF : 31.1/26

Left Out: 0.168 ± 7.375 χ^2/NDF : 31.1/24

Right Out: 13.914 ± 8.210 χ^2/NDF : 32.4/32

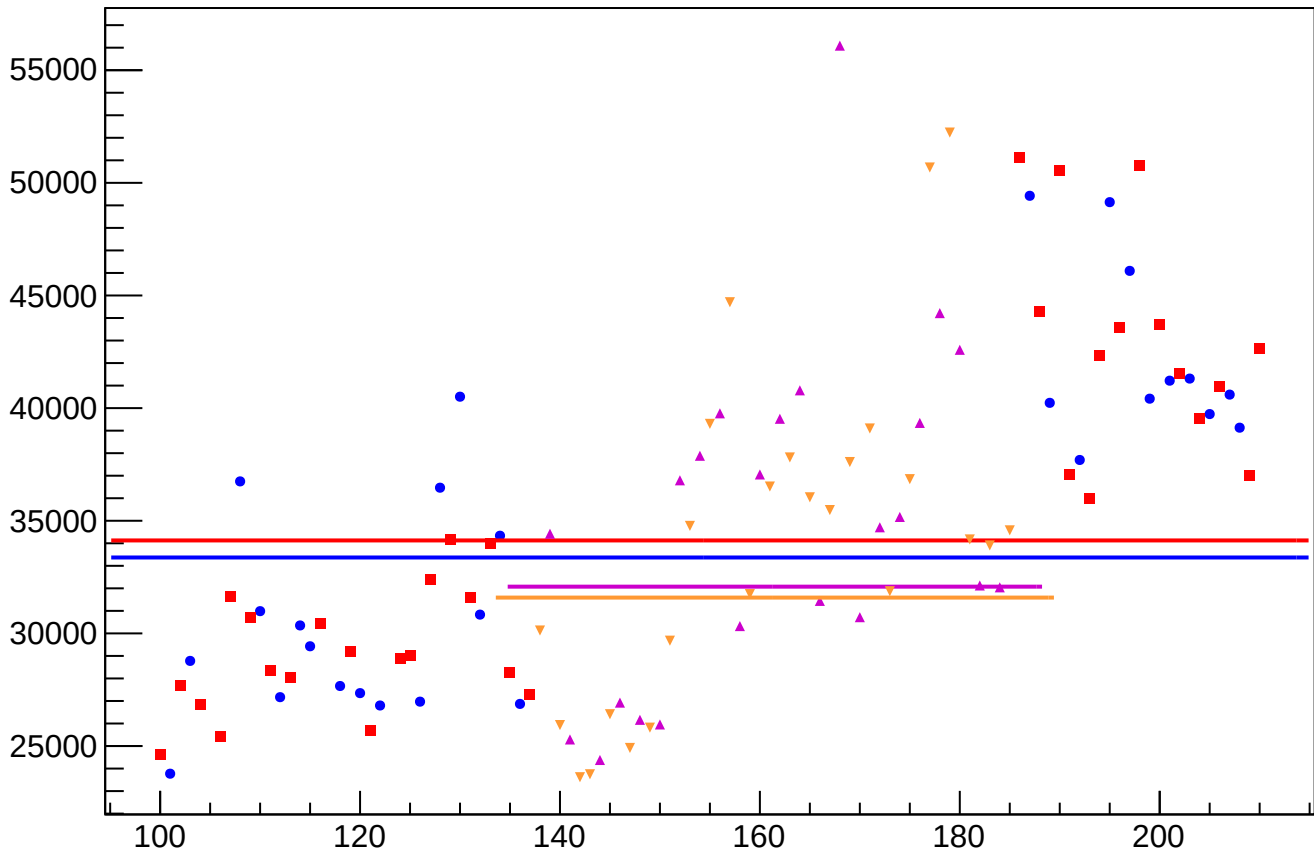
Left In: -0.586 ± 7.667 χ^2/NDF : 12.8/22

+ sign -0.805 ± 5.598 χ^2/NDF : 62.3/51

All: 2.679 ± 3.960 χ^2/NDF : 110.0/107

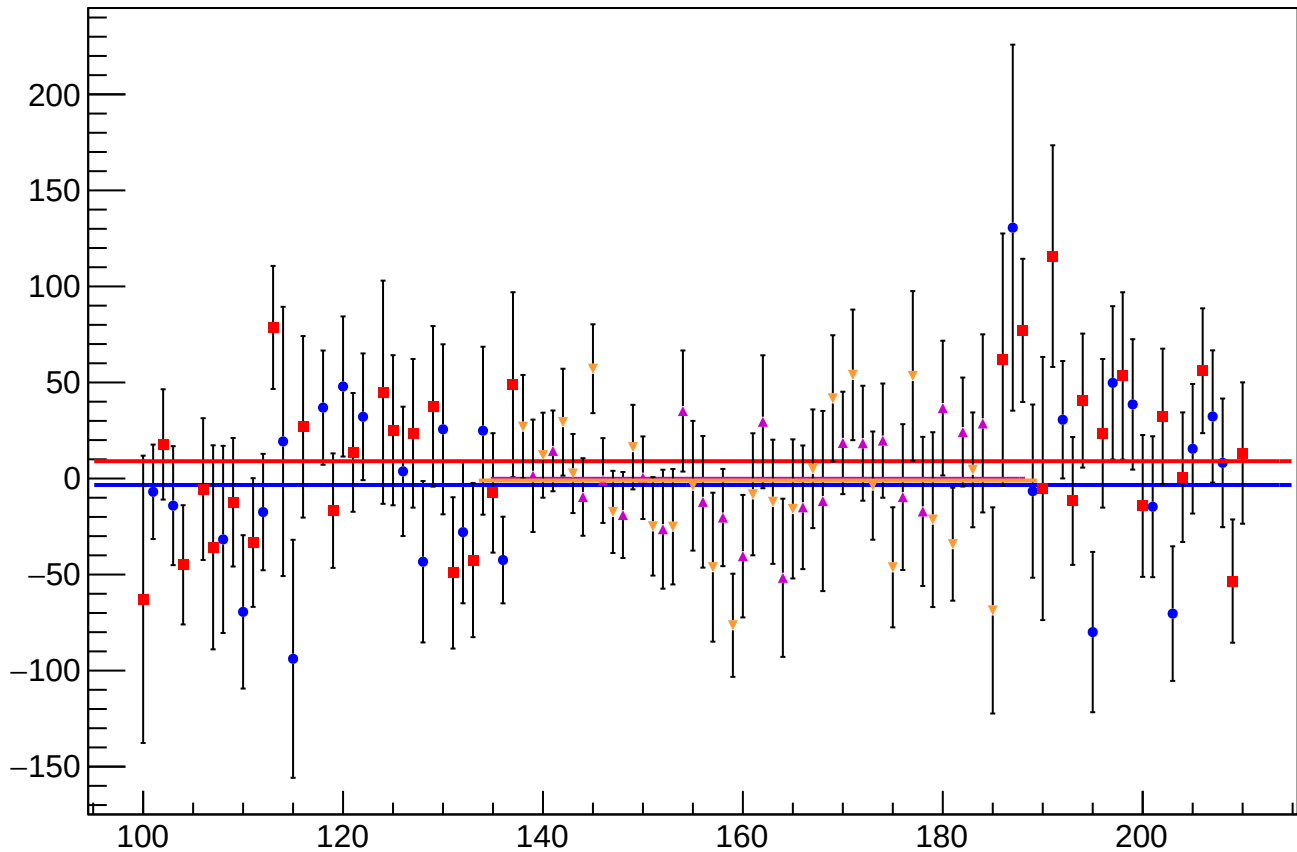
- sign 6.169 ± 5.603 χ^2/NDF : 46.9/55

diff_bpmEX_rms vs Slug



Right In: 33369.688+/-6.080	χ^2/NDF : 1355393.8/26	+ sign 32344.150+/-3.958	χ^2/NDF : 2995631.5/51
Left Out: 31589.841+/-5.215	χ^2/NDF : 1590867.7/24	All: 32687.156+/-2.800	χ^2/NDF : 6011491.7/1
Right Out: 34126.630+/-5.805	χ^2/NDF : 1478401.3/32	- sign 33030.817+/-3.962	χ^2/NDF : 3000828.5/55
Left In: 32075.078+/-5.421	χ^2/NDF : 1455714.6/22		

diff_bpmE_11X12X_mean vs Slug



Right In: -3.371 ± 6.869 χ^2/NDF : 31.0/26

Left Out: -1.042 ± 5.755 χ^2/NDF : 32.3/24

Right Out: 9.016 ± 6.554 χ^2/NDF : 35.1/32

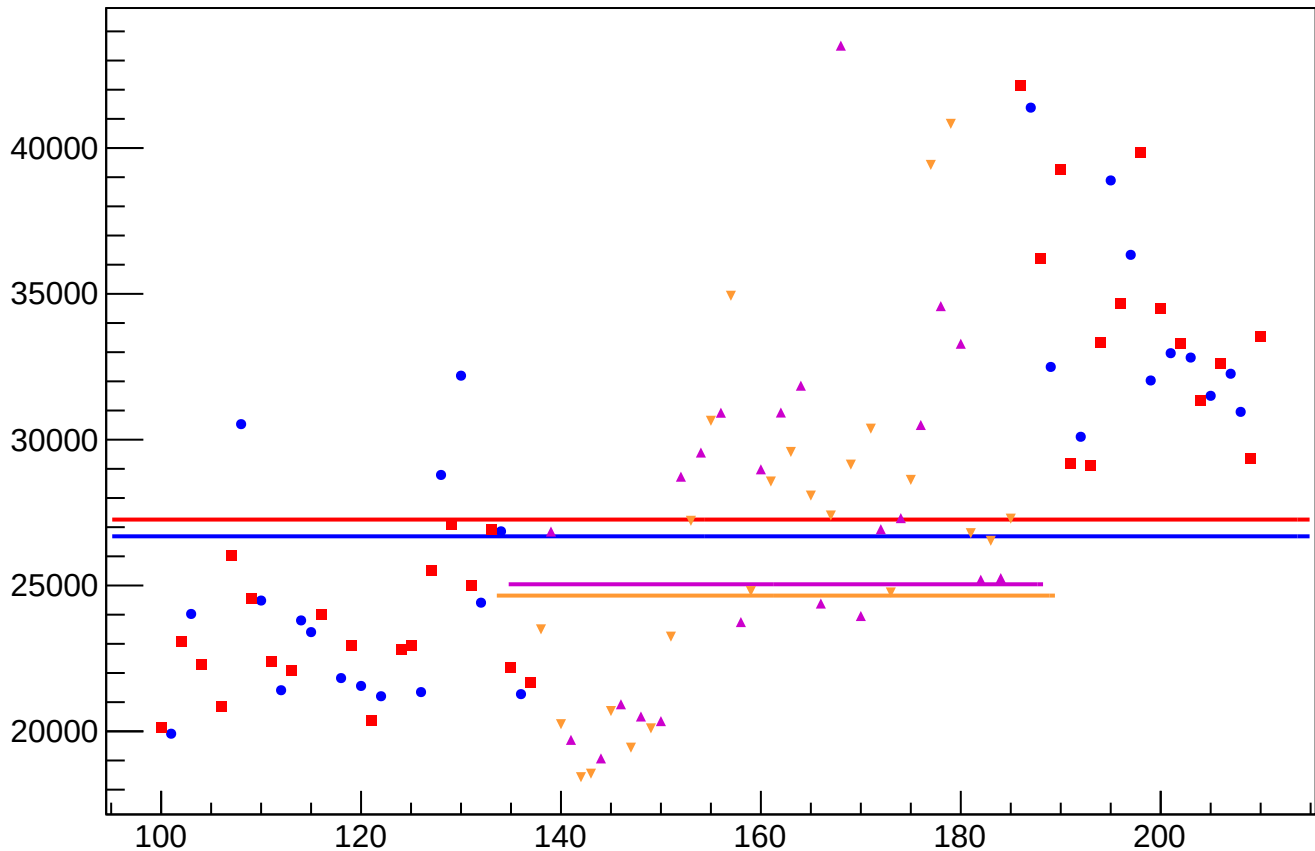
Left In: -0.147 ± 5.985 χ^2/NDF : 12.1/22

+ sign -2.002 ± 4.411 χ^2/NDF : 63.4/51

All: 1.003 ± 3.122 χ^2/NDF : 112.7/107

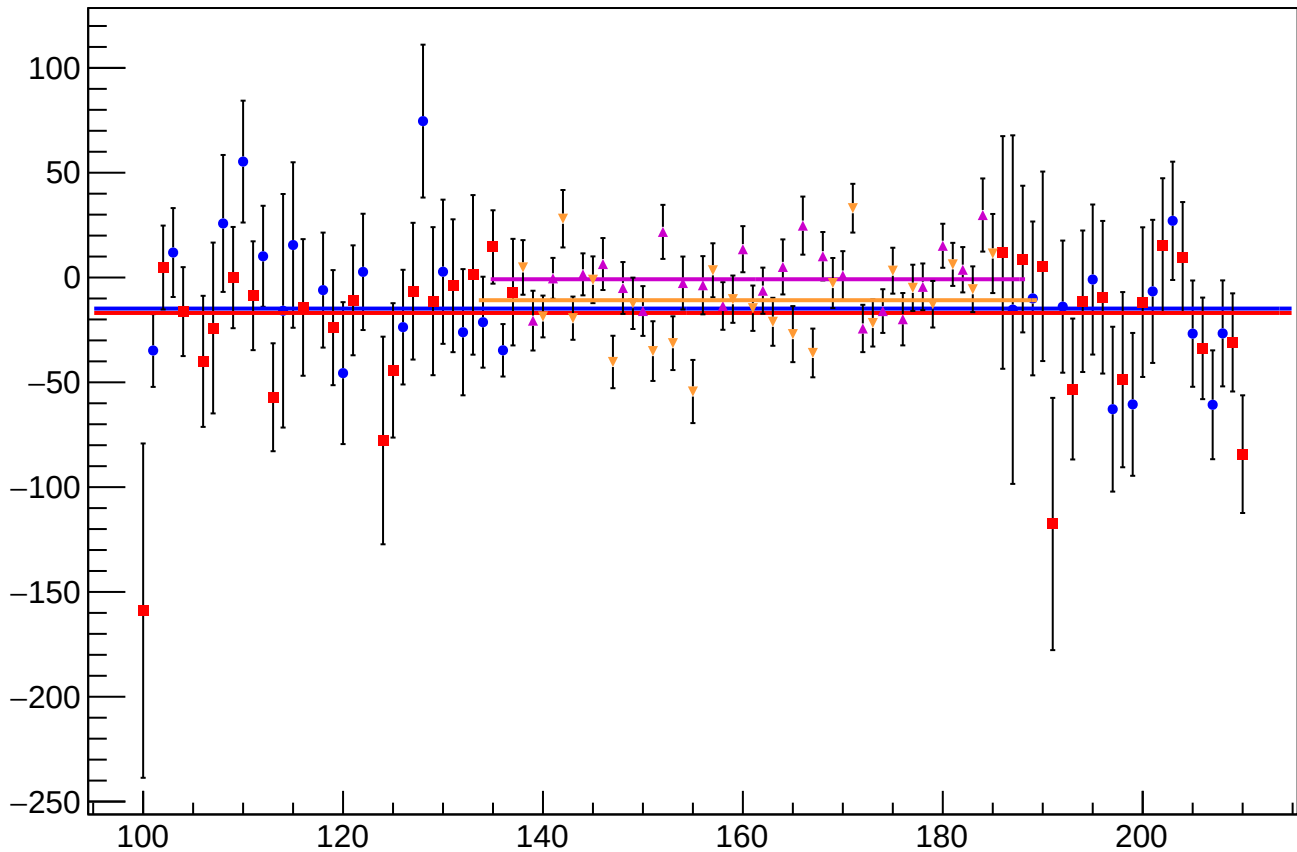
- sign 4.020 ± 4.419 χ^2/NDF : 48.3/55

diff_bpmE_11X12X_rms vs Slug



Right In: 26686.386+/-4.857	χ^2/NDF : 1300453.0/26	+ sign 25492.107+/-3.119	χ^2/NDF : 2986039.2/51
Left Out: 24654.001+/-4.069	χ^2/NDF : 1582710.2/24	All: 25770.964+/-2.208	χ^2/NDF : 6002057.4/1
Right Out: 27260.744+/-4.634	χ^2/NDF : 1433370.1/32	- sign 26050.850+/-3.125	χ^2/NDF : 3000004.2/55
Left In: 25041.993+/-4.232	χ^2/NDF : 1441641.5/22		

diff_bpm4aesumX_mean vs Slug



Right In: -14.817 ± 5.178 χ^2/NDF : 31.7/26

Left Out: -10.822 ± 2.370 χ^2/NDF : 61.3/24

Right Out: -16.906 ± 5.163 χ^2/NDF : 28.5/32

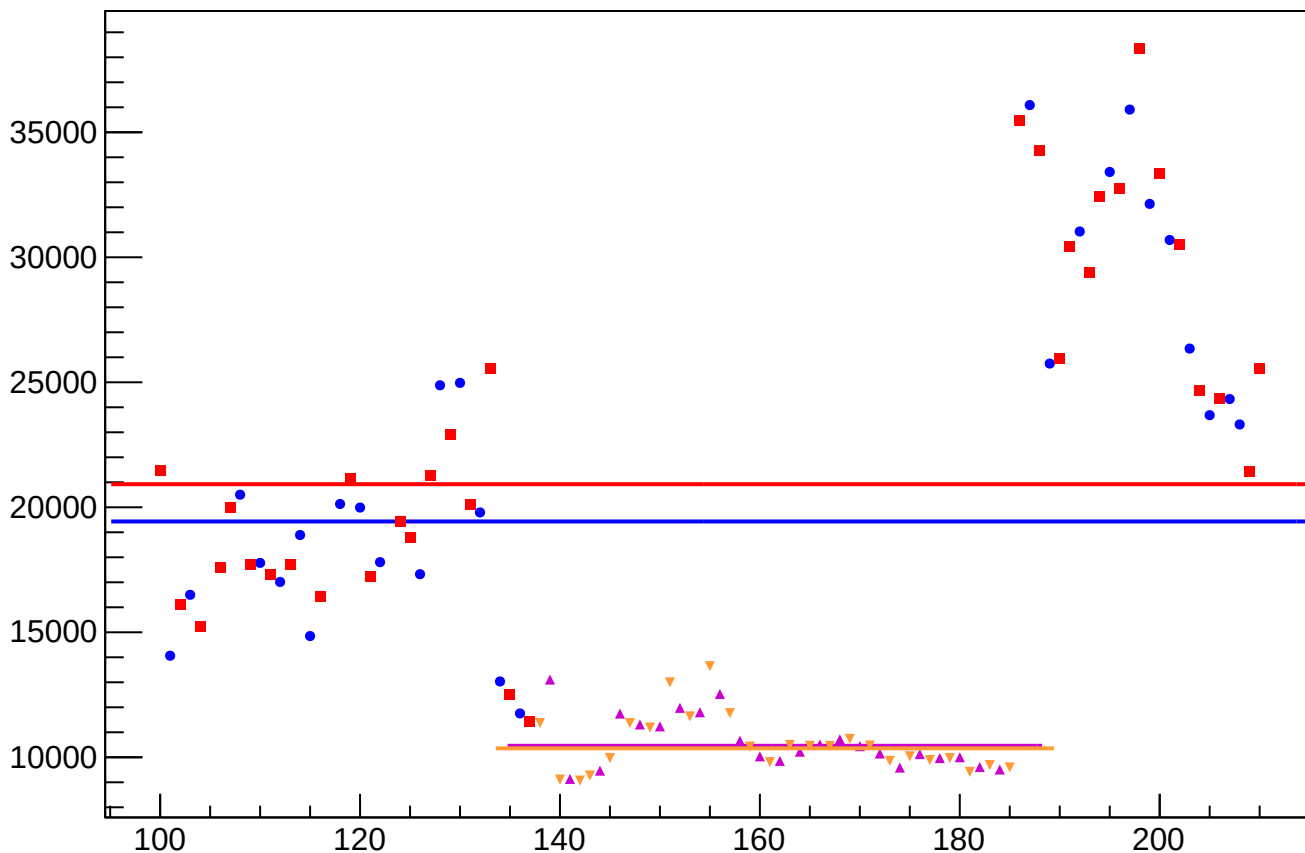
Left In: -0.826 ± 2.457 χ^2/NDF : 29.4/22

+ sign -11.514 ± 2.155 χ^2/NDF : 93.5/51

All: -7.767 ± 1.546 χ^2/NDF : 165.5/107

- sign -3.795 ± 2.219 χ^2/NDF : 65.8/55

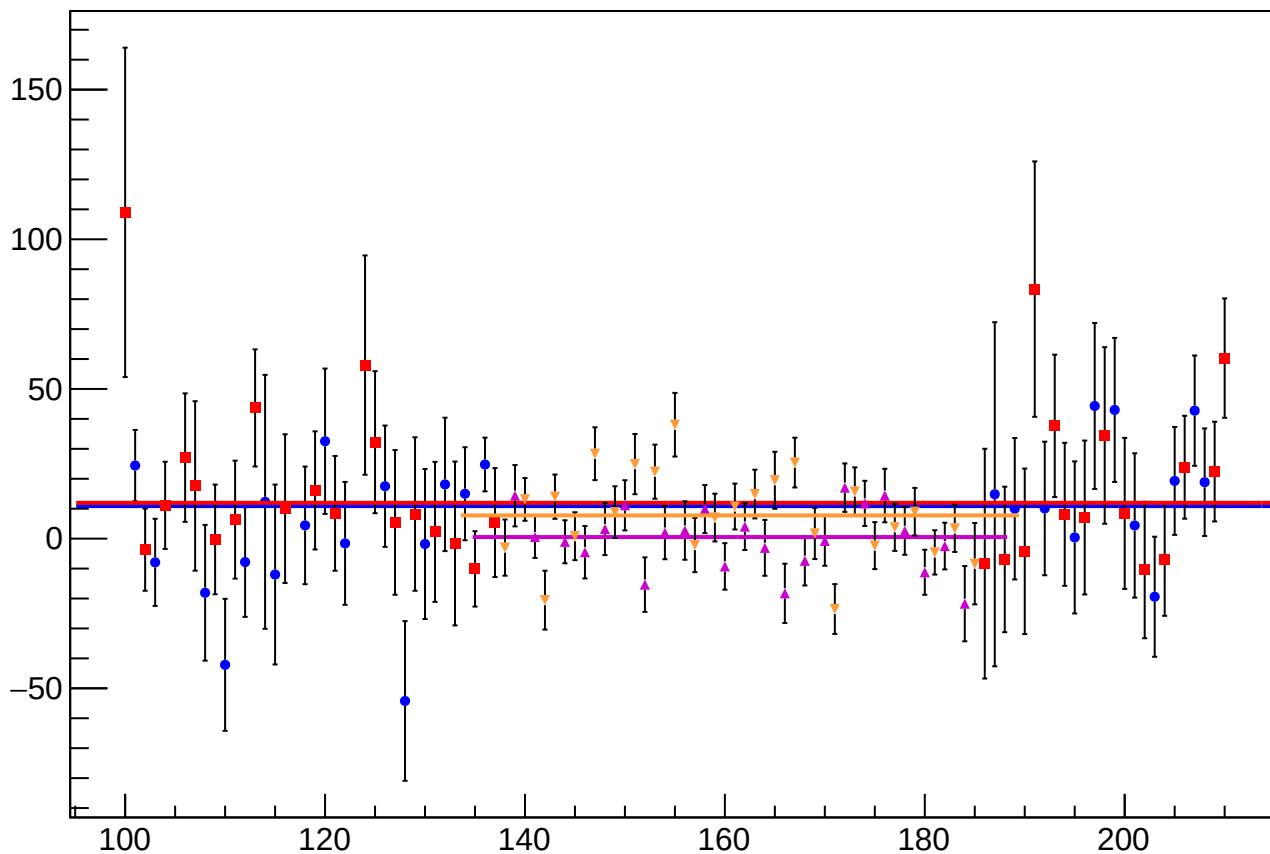
diff_bpm4aesumX_rms vs Slug



Right In: 19433.345 $\pm$ 3.661 χ^2 /NDF: 3187033.6/26
 Left Out: 10358.363 $\pm$ 1.676 χ^2 /NDF: 363077.1/24
 Right Out: 20923.355 $\pm$ 3.651 χ^2 /NDF: 3231360.4/32
 Left In: 10459.060 $\pm$ 1.737 χ^2 /NDF: 314636.9/22

+ sign 11930.607 $\pm$ 1.524 χ^2 /NDF: 8629033.6/51
 All: 12154.190 $\pm$ 1.093 χ^2 /NDF: 18917261.1
 - sign 12391.117 $\pm$ 1.569 χ^2 /NDF: 10243896.3/55

diff_bpm4aeddifX_mean vs Slug



Right In: 10.870 ± 3.698 $\chi^2/\text{NDF}: 31.3/26$

Left Out: 7.763 ± 1.691 $\chi^2/\text{NDF}: 60.9/24$

Right Out: 11.970 ± 3.693 $\chi^2/\text{NDF}: 28.8/32$

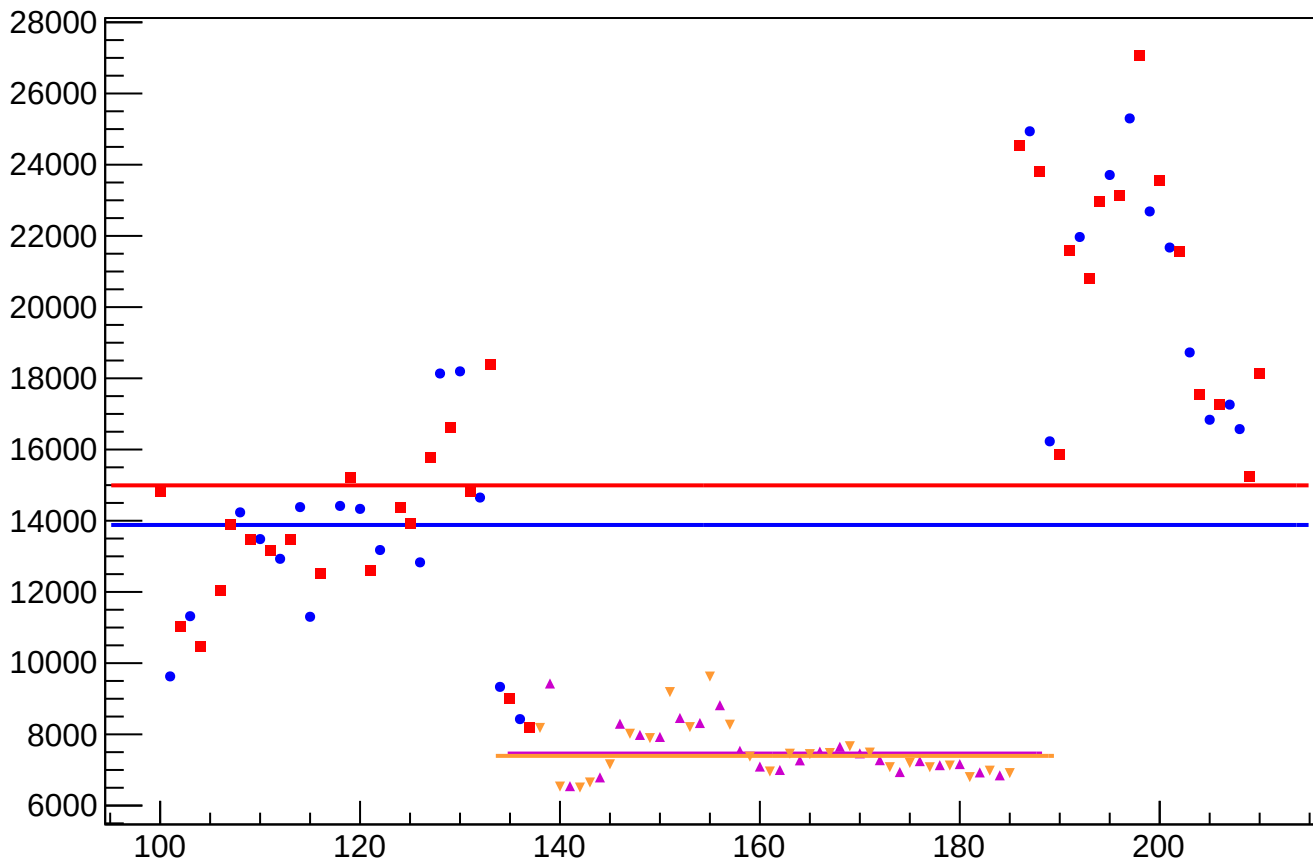
Left In: 0.532 ± 1.752 $\chi^2/\text{NDF}: 29.4/22$

+ sign 8.301 ± 1.538 $\chi^2/\text{NDF}: 92.9/51$

All: 5.548 ± 1.103 $\chi^2/\text{NDF}: 165.5/107$

- sign 2.633 ± 1.583 $\chi^2/\text{NDF}: 66.1/55$

diff_bpm4aediffX_rms vs Slug



Right In: 13881.192 $\pm$ 2.615 χ^2/NDF : 3127756.0/26

Left Out: 7395.667 $\pm$ 1.196 χ^2/NDF :324459.4/24

+ sign 8517.904 $\pm$ 1.088 χ^2/NDF : 8540052.9/51

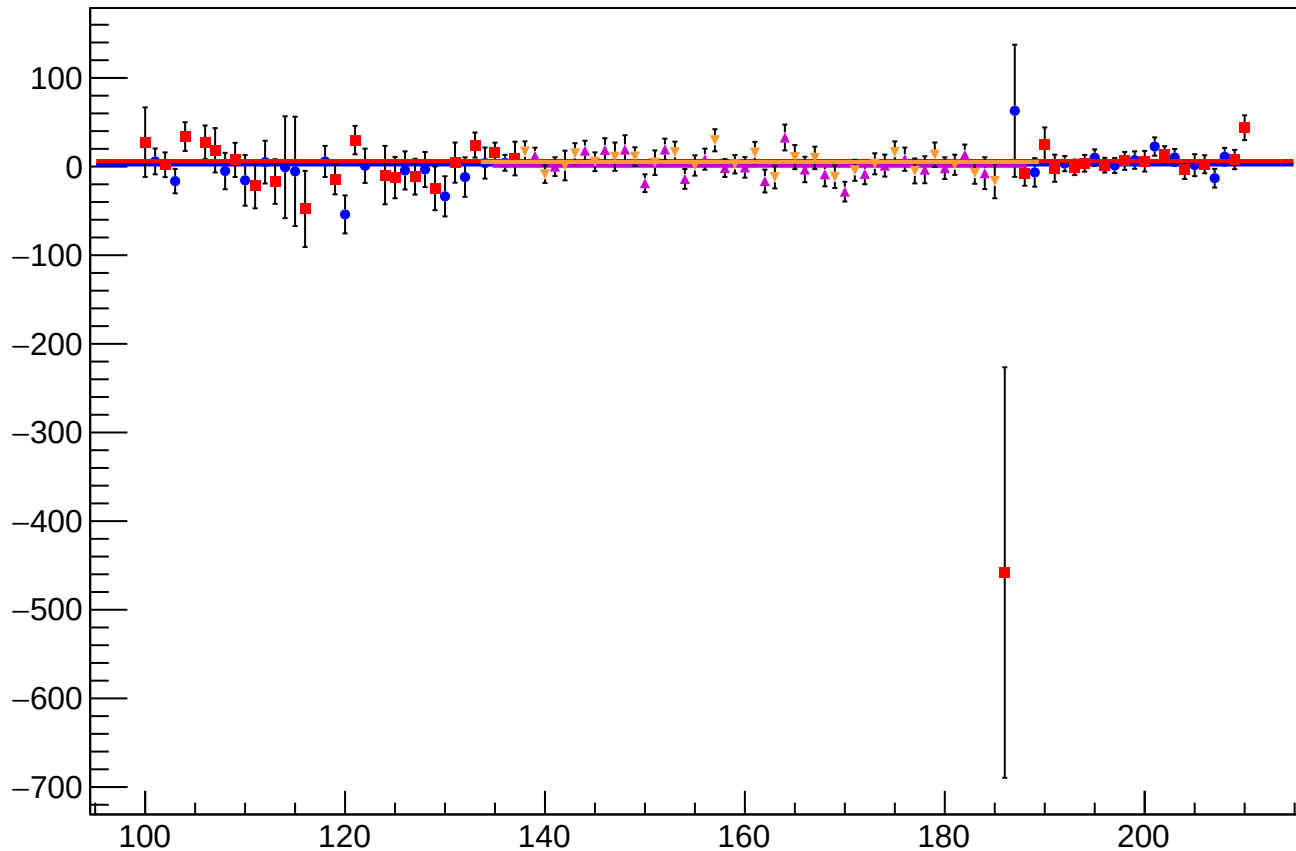
Right Out: 14993.516 $\pm$ 2.611 χ^2/NDF : 3108145.9/32

All: 8676.606 $\pm$ 0.780 χ^2/NDF : 18768392.7/1

Left In: 7460.824 $\pm$ 1.239 χ^2/NDF :284034.9/22

- sign 8844.665 $\pm$ 1.119 χ^2/NDF : 10184504.1/55

diff_bpm4aesumY_mean vs Slug



Right In: 2.331 ± 2.607 χ^2/NDF : 21.9/26

Left Out: 5.178 ± 2.459 χ^2/NDF : 18.4/24

Right Out: 6.330 ± 2.472 χ^2/NDF : 33.6/32

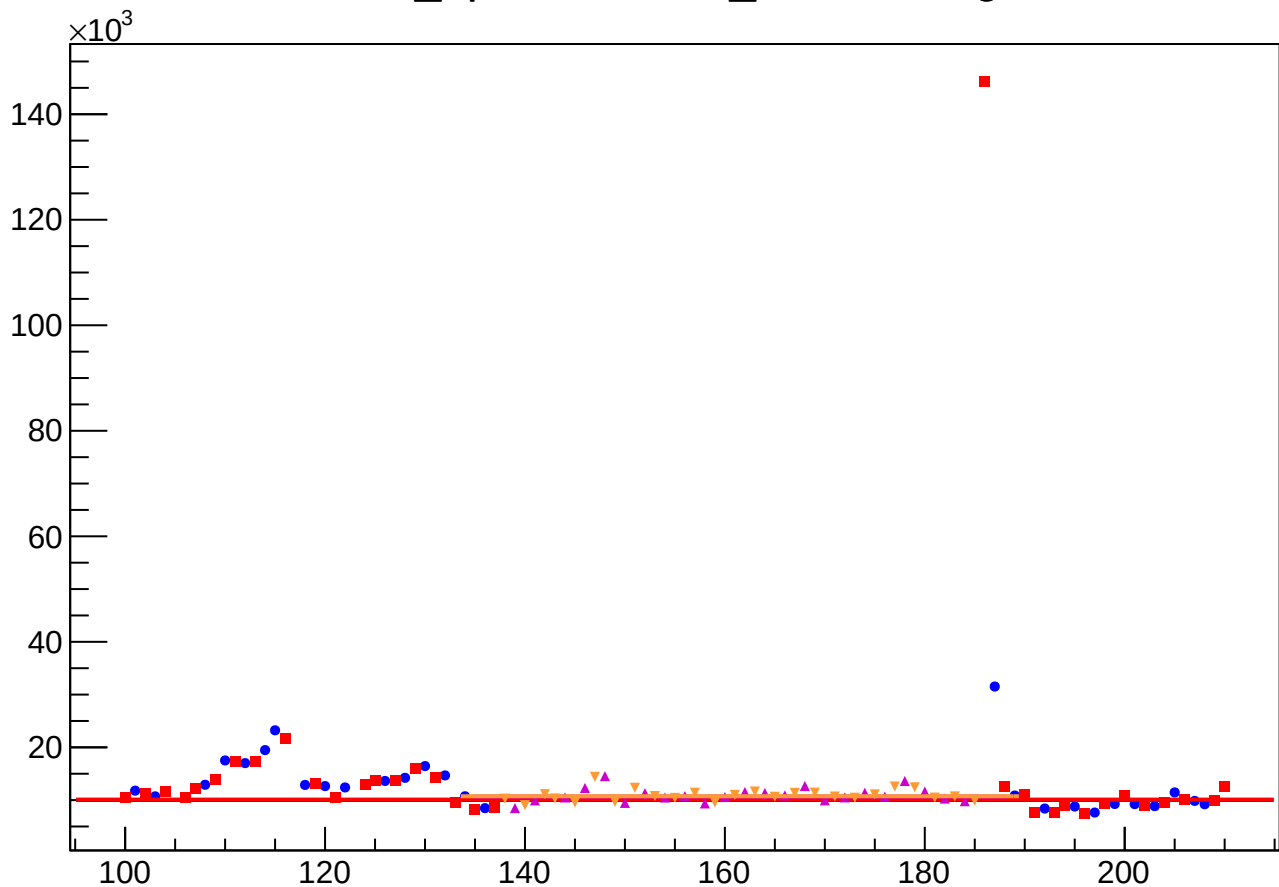
Left In: 0.891 ± 2.519 χ^2/NDF : 31.8/22

+ sign 3.837 ± 1.789 χ^2/NDF : 40.9/51

All: 3.748 ± 1.256 χ^2/NDF : 108.7/107

- sign 3.661 ± 1.764 χ^2/NDF : 67.8/55

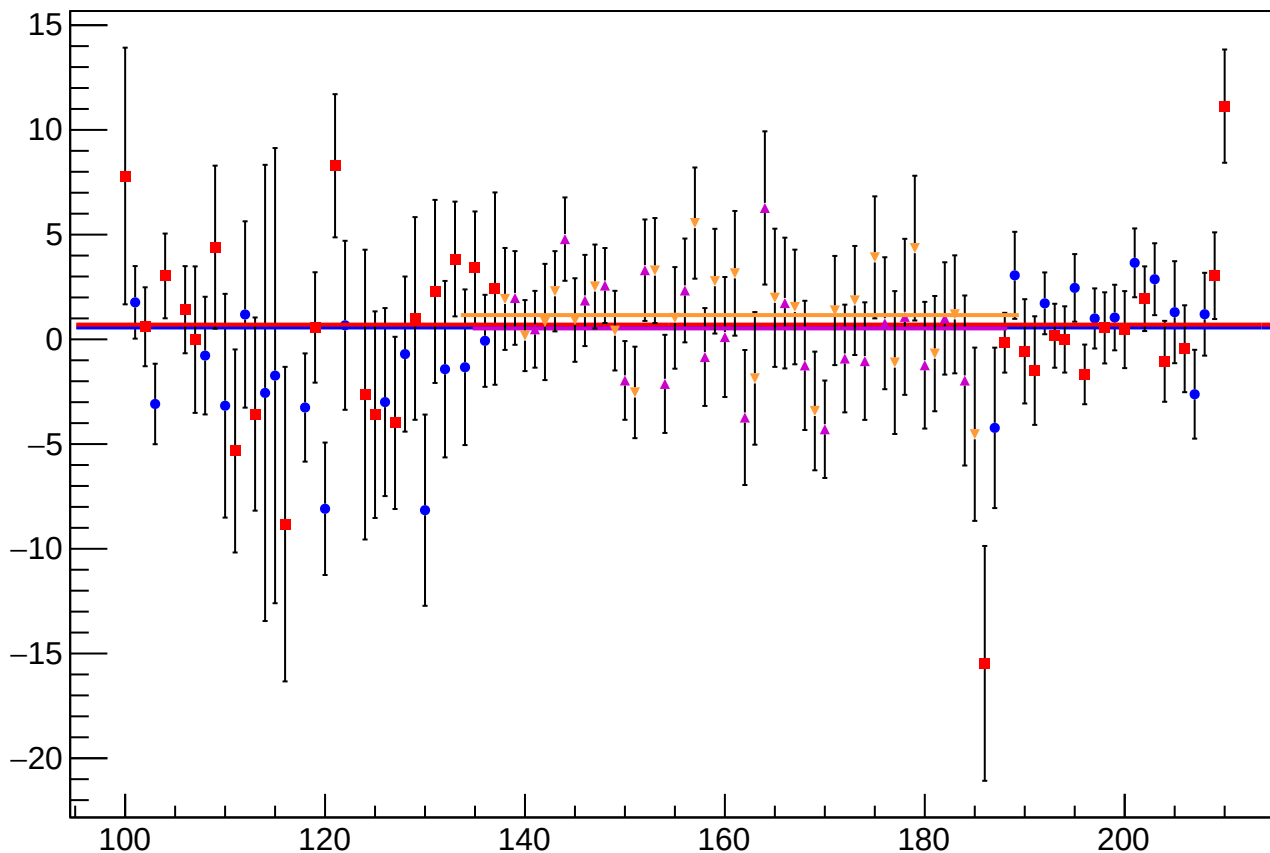
diff_bpm4aesumY_rms vs Slug



Right In: 10030.942 ± 1.843 $\chi^2/\text{NDF}: 1624627.1/26$
 Left Out: 10733.733 ± 1.739 $\chi^2/\text{NDF}: 368279.7/24$
 Right Out: 10090.839 ± 1.748 $\chi^2/\text{NDF}: 2359742.3/32$
 Left In: 10677.154 ± 1.781 $\chi^2/\text{NDF}: 500574.4/22$

+ sign 10402.856 ± 1.265 $\chi^2/\text{NDF}: 2069831.0/51$
 - sign 10378.591 ± 1.248 $\chi^2/\text{NDF}: 2915512.8/55$
 All: 10390.557 ± 0.888 $\chi^2/\text{NDF}: 4985530.3/101$

diff_bpm4aediY_mean vs Slug



Right In: 0.567 ± 0.445 χ^2/NDF : 32.5/26

Left Out: 1.158 ± 0.500 χ^2/NDF : 16.8/24

Right Out: 0.704 ± 0.412 χ^2/NDF : 48.3/32

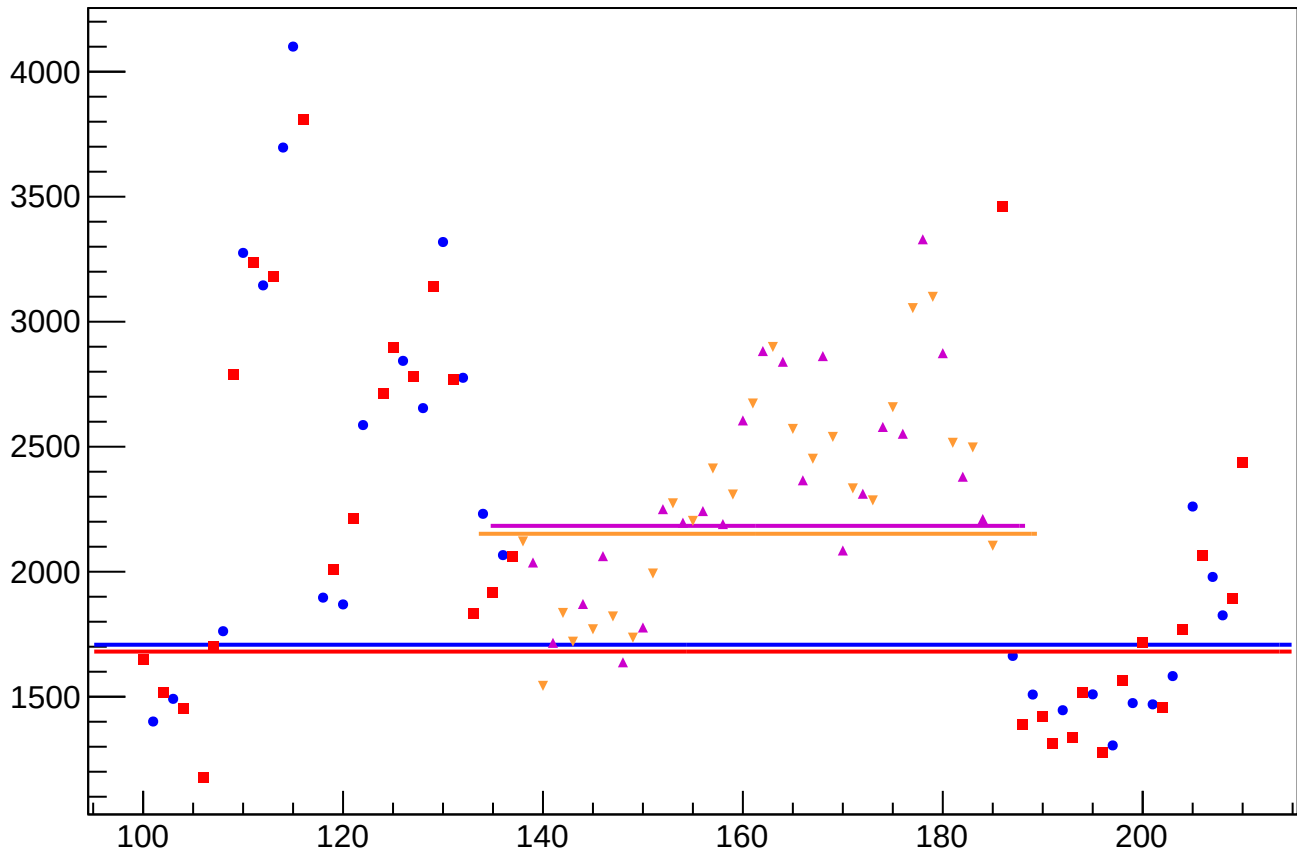
Left In: 0.522 ± 0.520 χ^2/NDF : 22.3/22

+ sign 0.828 ± 0.333 χ^2/NDF : 50.2/51

All: 0.728 ± 0.232 χ^2/NDF : 121.0/107

- sign 0.634 ± 0.323 χ^2/NDF : 70.7/55

diff_bpm4aediY_rms vs Slug



Right In: 1707.972 $\pm$ 0.315 χ^2 /NDF: 1982824.2/26

Left Out: 2151.757 $\pm$ 0.354 χ^2 /NDF:1349537.9/24

Right Out: 1680.576 $\pm$ 0.291 χ^2 /NDF: 2560815.7/32

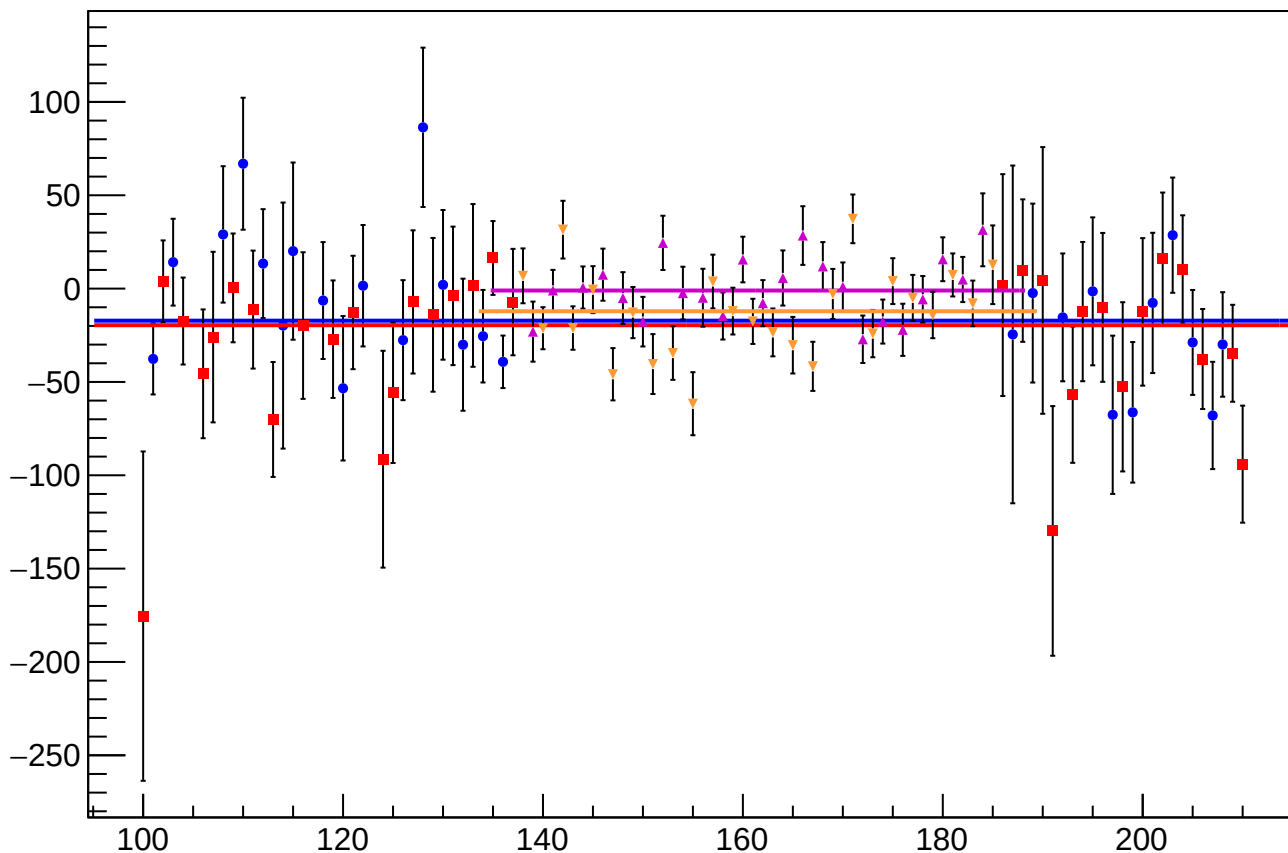
Left In: 2183.482 $\pm$ 0.368 χ^2 /NDF:1162266.2/22

+ sign 1904.192 $\pm$ 0.235 χ^2 /NDF: 4210810.5/51

All: 1888.954 $\pm$ 0.164 χ^2 /NDF: 9091645.7/10

- sign 1874.589 $\pm$ 0.228 χ^2 /NDF: 4872677.3/55

diff_bpmtargetsumX_mean vs Slug



Right In: -17.180 ± 5.865 χ^2/NDF : 31.3/26

Left Out: -12.135 ± 2.661 χ^2/NDF : 62.6/24

Right Out: -19.610 ± 5.857 χ^2/NDF : 28.4/32

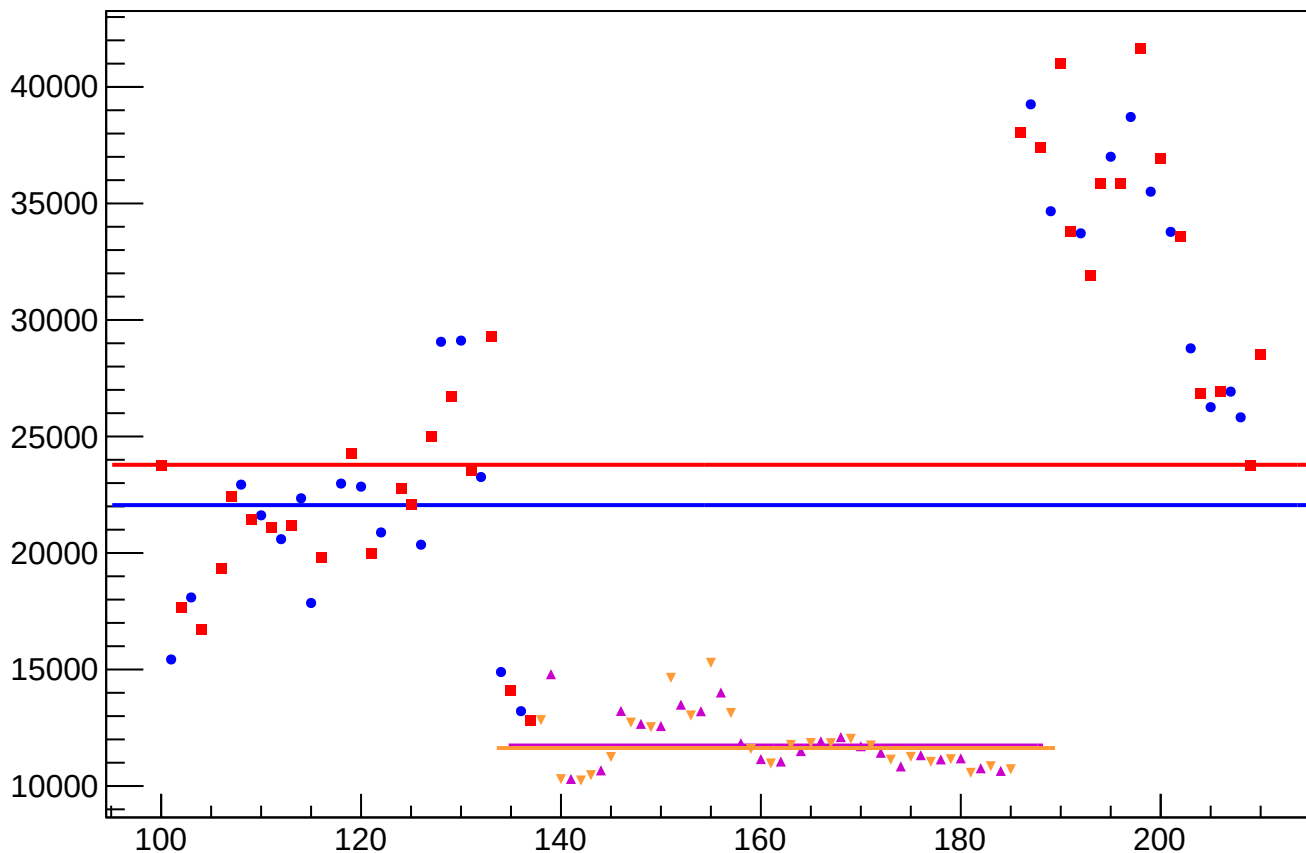
Left In: -1.024 ± 2.758 χ^2/NDF : 28.8/22

+ sign -12.996 ± 2.423 χ^2/NDF : 94.6/51

All: -8.821 ± 1.738 χ^2/NDF : 166.2/107

- sign -4.396 ± 2.495 χ^2/NDF : 65.5/55

diff_bpmtargetsumX_rms vs Slug



Right In: 22055.049 $\pm$ 4.147 χ^2 /NDF: 3127980.1/26

Left Out: 11630.201 $\pm$ 1.882 χ^2 /NDF:356022.1/24

Right Out: 23784.724 $\pm$ 4.141 χ^2 /NDF: 3093641.9/32

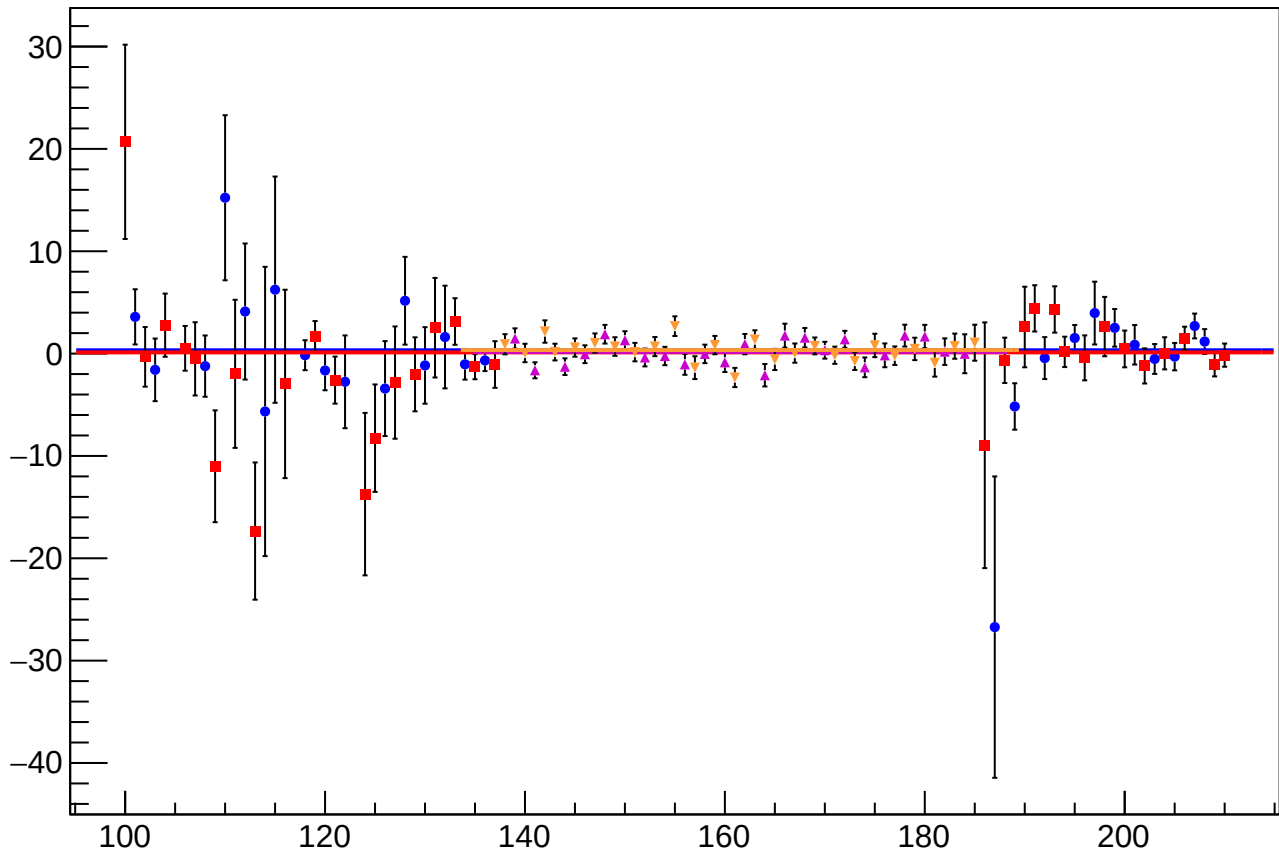
Left In: 11738.371 $\pm$ 1.950 χ^2 /NDF:313542.0/22

+ sign 13410.132 $\pm$ 1.714 χ^2 /NDF: 8724641.6/51

All: 13659.695 $\pm$ 1.229 χ^2 /NDF: 19101087.2

- sign 13924.217 $\pm$ 1.764 χ^2 /NDF: 10332750.4/55

diff_bpmtargetdiffX_mean vs Slug



Right In: 0.323 ± 0.381 $\chi^2/\text{NDF}: 29.9/26$

Left Out: 0.343 ± 0.194 $\chi^2/\text{NDF}: 26.8/24$

Right Out: 0.119 ± 0.371 $\chi^2/\text{NDF}: 40.9/32$

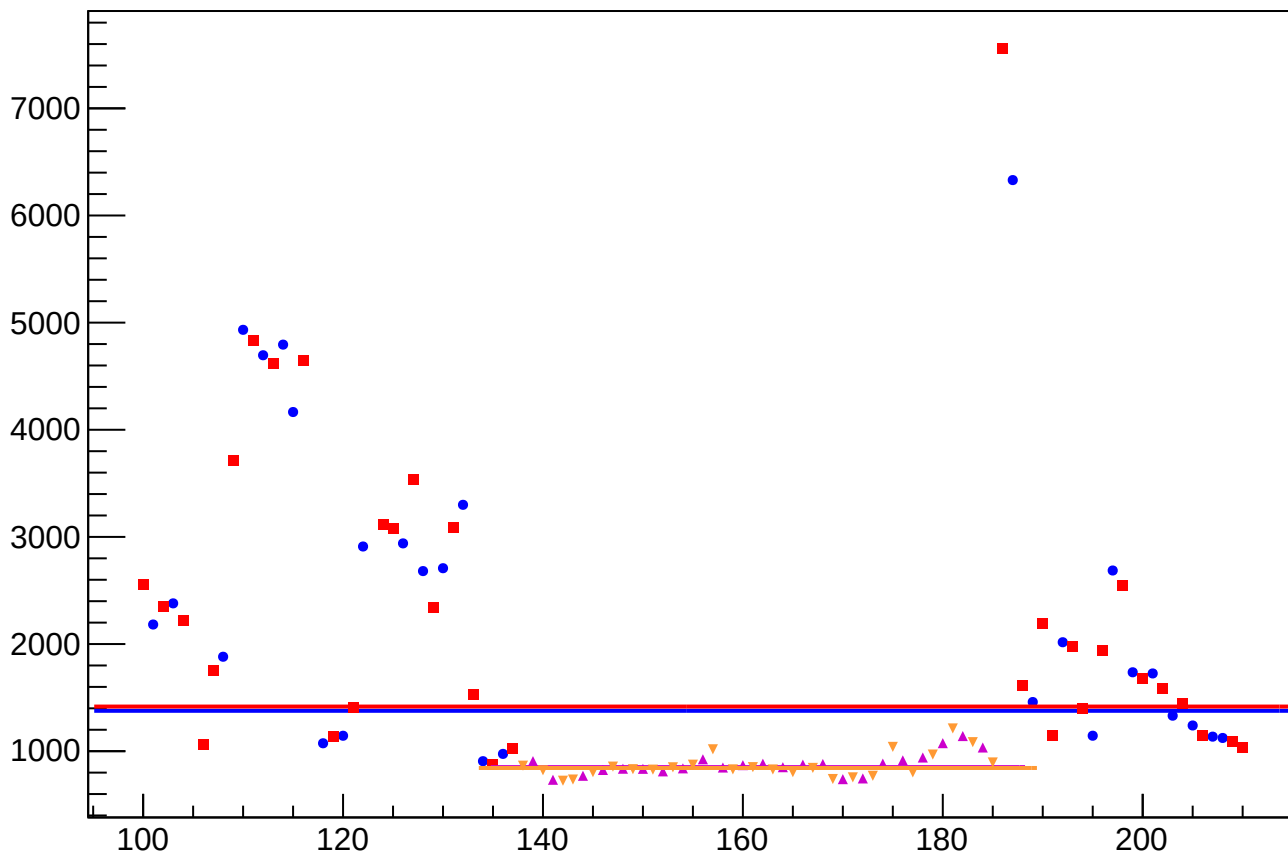
Left In: 0.165 ± 0.201 $\chi^2/\text{NDF}: 36.3/22$

+ sign 0.339 ± 0.173 $\chi^2/\text{NDF}: 56.7/51$

All: 0.249 ± 0.124 $\chi^2/\text{NDF}: 134.5/107$

- sign 0.155 ± 0.177 $\chi^2/\text{NDF}: 77.3/55$

diff_bpmtargetdiffX_rms vs Slug



Right In: 1376.975 ± 0.269 $\chi^2/\text{NDF}: 4568499.0/26$

Left Out: 843.266 ± 0.137 $\chi^2/\text{NDF}: 505106.4/24$

Right Out: 1416.549 ± 0.263 $\chi^2/\text{NDF}: 5169651.1/32$

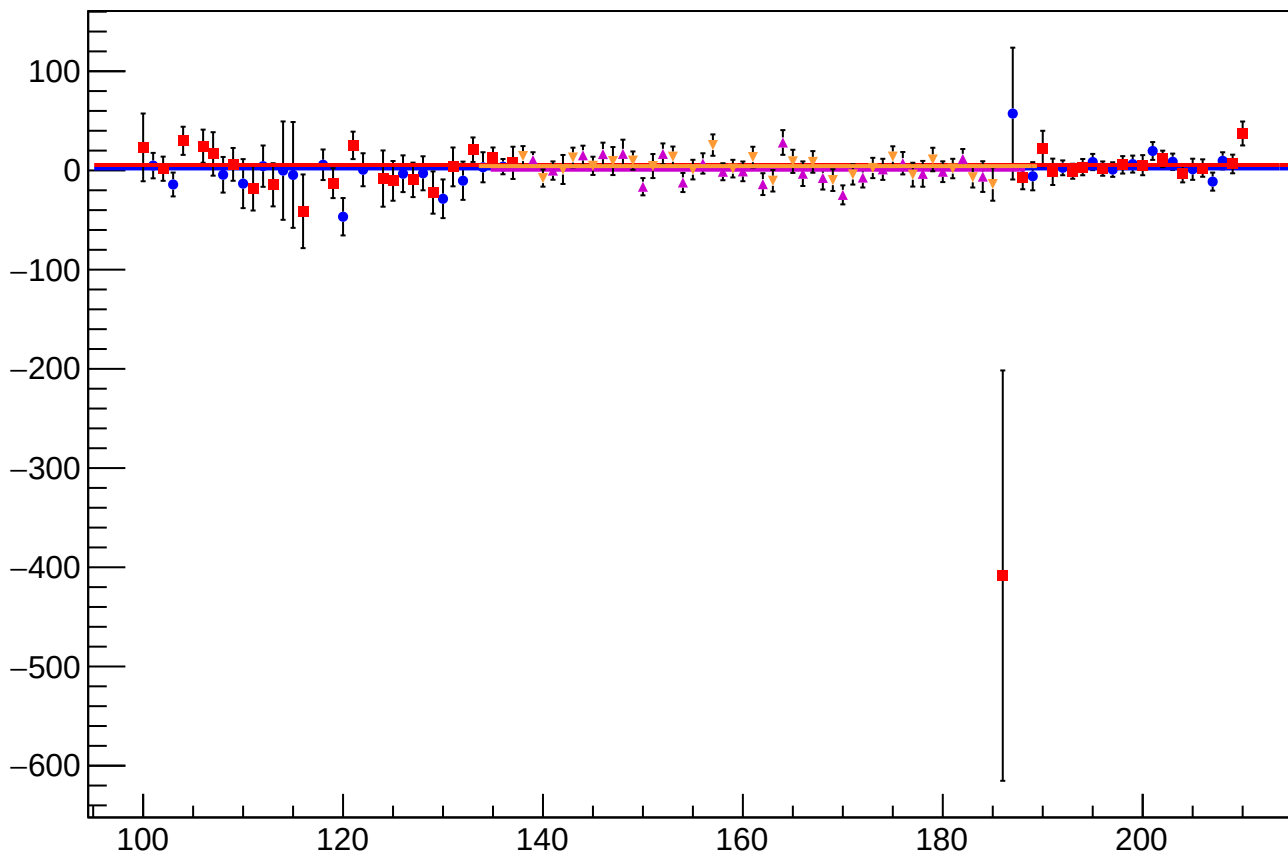
Left In: 851.618 ± 0.142 $\chi^2/\text{NDF}: 382555.6/22$

+ sign 952.896 ± 0.122 $\chi^2/\text{NDF}: 8190663.9/51$

All: 965.875 ± 0.087 $\chi^2/\text{NDF}: 17345844.8/10$

- sign 979.457 ± 0.125 $\chi^2/\text{NDF}: 9132068.7/55$

diff_bpmtargetsumY_mean vs Slug



Right In: 2.004 ± 2.260 χ^2/NDF : 21.6/26

Left Out: 4.383 ± 2.122 χ^2/NDF : 18.6/24

Right Out: 5.486 ± 2.146 χ^2/NDF : 33.3/32

Left In: 0.734 ± 2.171 χ^2/NDF : 32.0/22

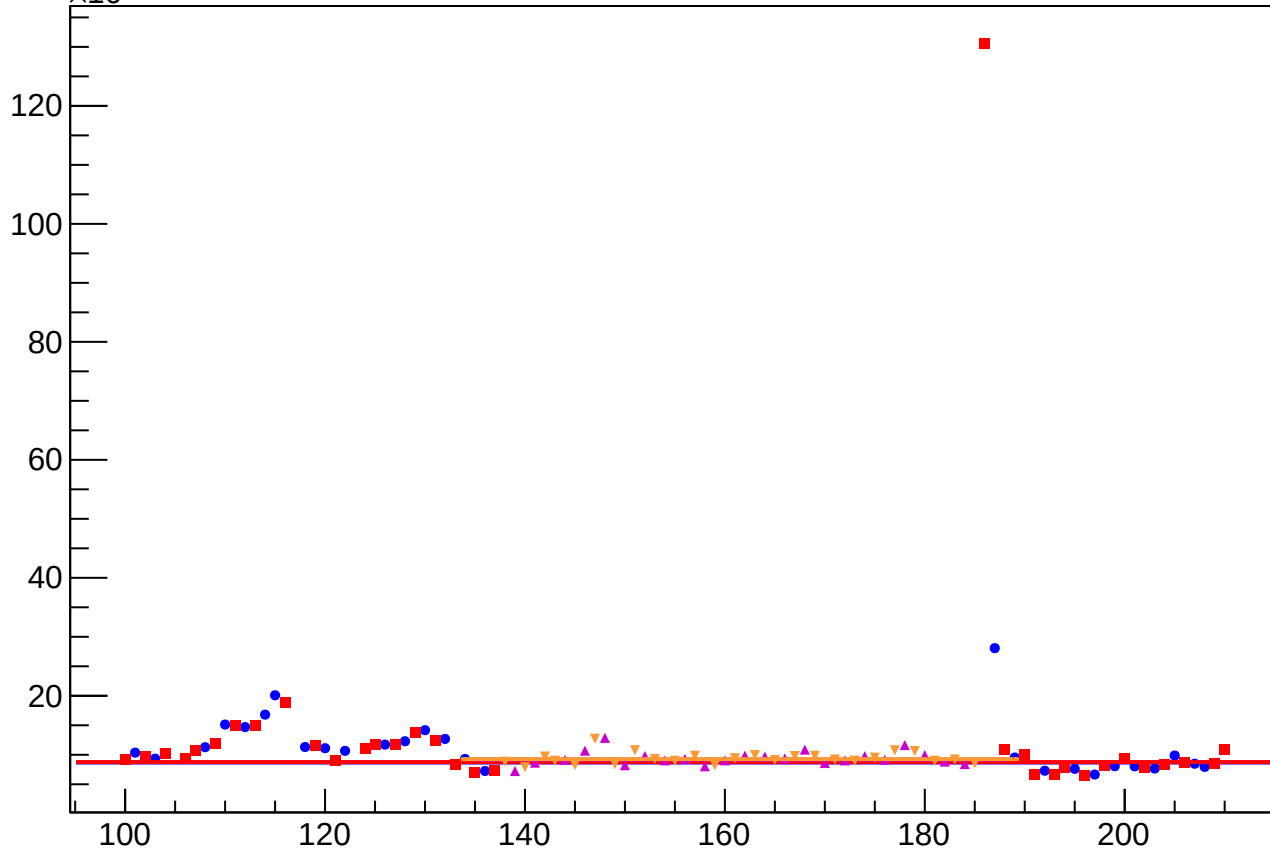
+ sign 3.268 ± 1.547 χ^2/NDF : 40.8/51

All: 3.202 ± 1.086 χ^2/NDF : 108.5/107

- sign 3.137 ± 1.526 χ^2/NDF : 67.7/55

diff_bpmtargetsumY_rms vs Slug

$\times 10^3$



Right In: 8692.983 $\pm$ 1.598 χ^2 /NDF: 1635364.5/26

Left Out: 9261.542 $\pm$ 1.500 χ^2 /NDF: 366072.4/24

Right Out: 8755.514 $\pm$ 1.517 χ^2 /NDF: 2362373.2/32

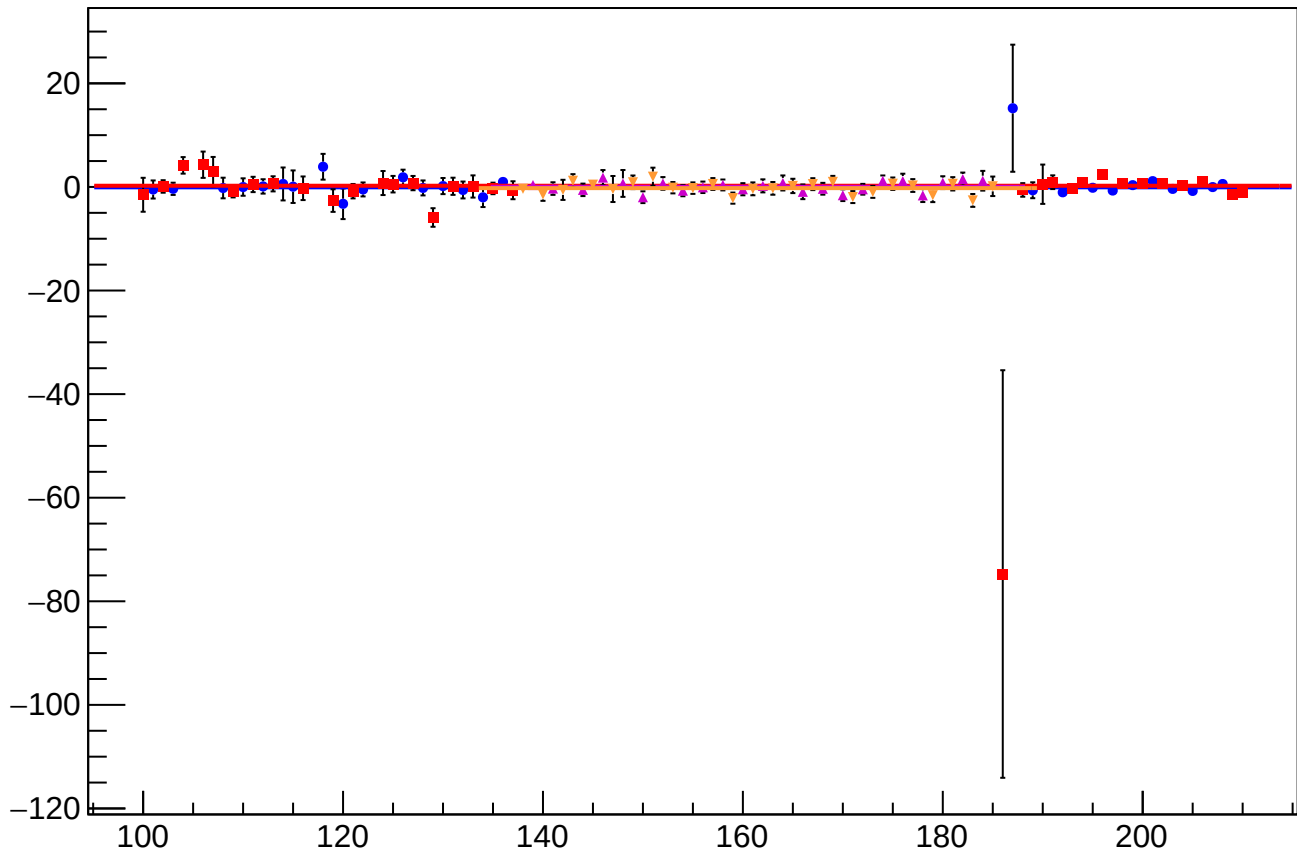
Left In: 9199.542 $\pm$ 1.535 χ^2 /NDF: 515496.8/22

+ sign 8995.187 $\pm$ 1.094 χ^2 /NDF: 2068722.6/51

All: 8984.959 $\pm$ 0.768 χ^2 /NDF: 4989087.6/10

- sign 8975.003 $\pm$ 1.079 χ^2 /NDF: 2920192.5/55

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.075 ± 0.202 χ^2/NDF : 16.9/26

Left Out: -0.229 ± 0.243 χ^2/NDF : 19.0/24

Right Out: 0.233 ± 0.193 χ^2/NDF : 50.1/32

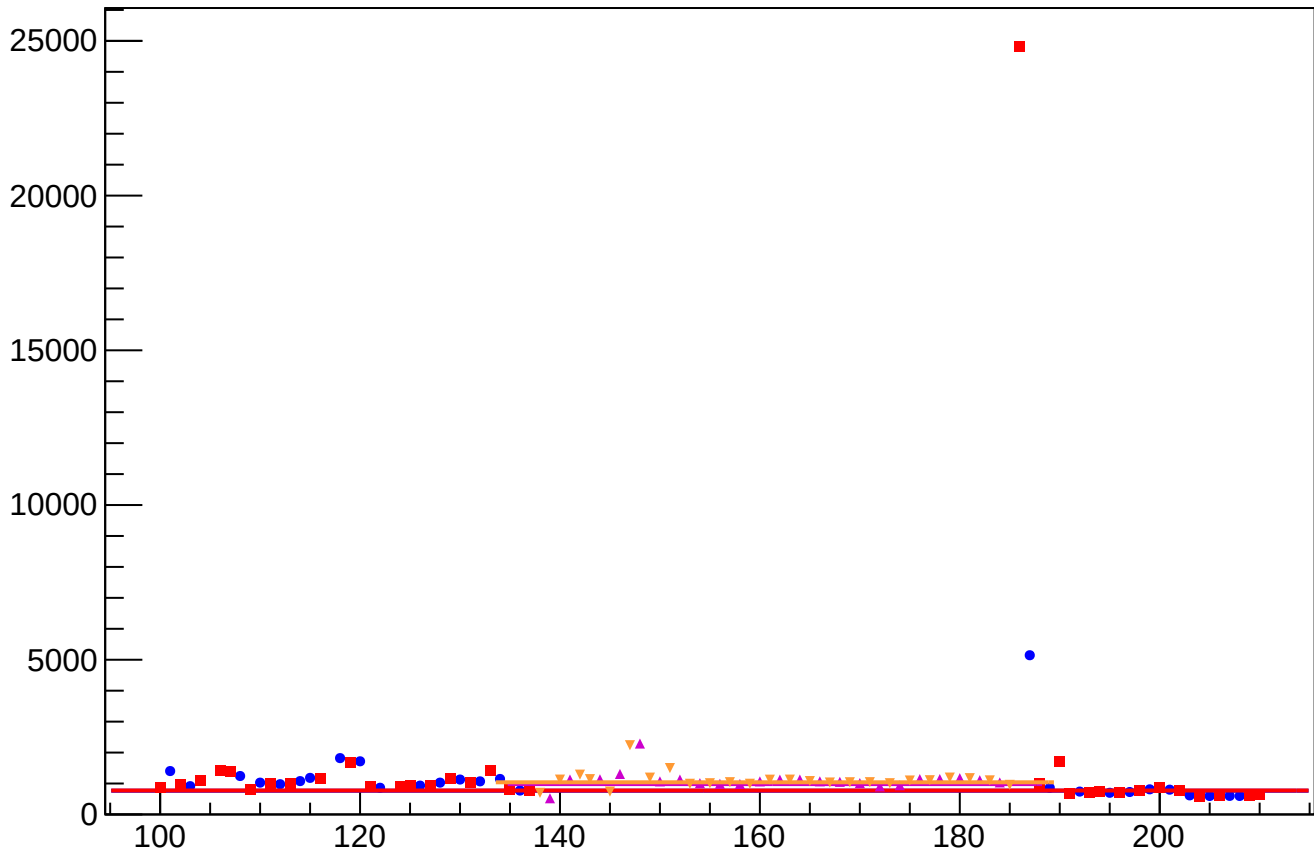
Left In: 0.025 ± 0.239 χ^2/NDF : 15.2/22

+ sign -0.138 ± 0.156 χ^2/NDF : 36.1/51

All: 0.011 ± 0.108 χ^2/NDF : 103.6/107

- sign 0.151 ± 0.150 χ^2/NDF : 65.8/55

diff_bpmtargetdiffY_rms vs Slug



Right In: 766.579+/-0.143 χ^2/NDF : 2299368.5/26

Left Out: 1039.424+/-0.172 χ^2/NDF : 1339748.9/24

Right Out: 774.048+/-0.136 χ^2/NDF : 2739441.4/32

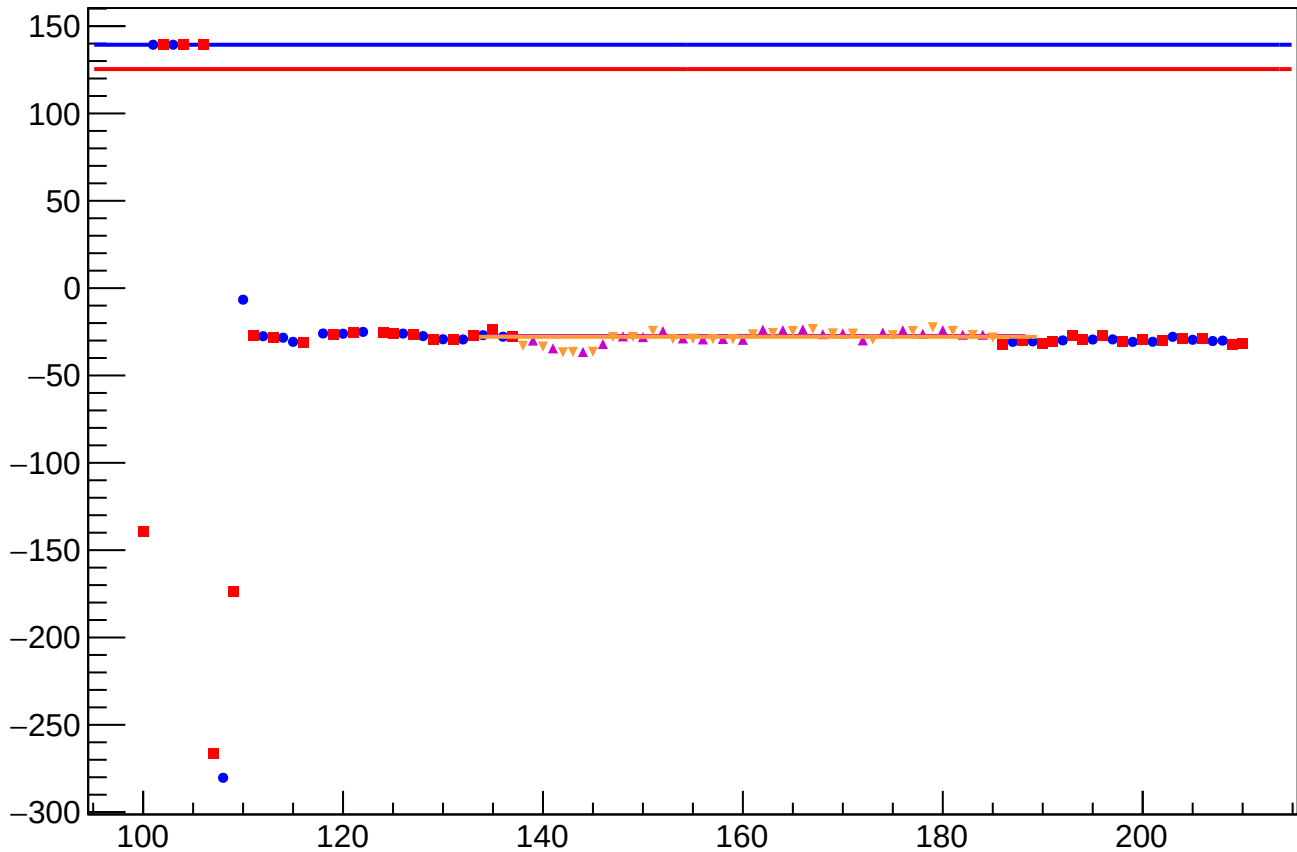
Left In: 981.677+/-0.169 χ^2/NDF : 2225094.5/22

+ sign 878.135+/-0.110 χ^2/NDF : 5124613.1/51

All: 866.645+/-0.076 χ^2/NDF : 11023438.1/10

- sign 855.949+/-0.106 χ^2/NDF : 5877779.4/55

yield_cav4bX_mean vs Slug



Right In: 139.336 $\pm$ 0.000 χ^2 /NDF: 60587153716.0/26

Left Out: -27.865 $\pm$ 0.000 χ^2 /NDF: 181586557.6/24

Right Out: 125.391 $\pm$ 0.000 χ^2 /NDF: 774187828735267.0/32

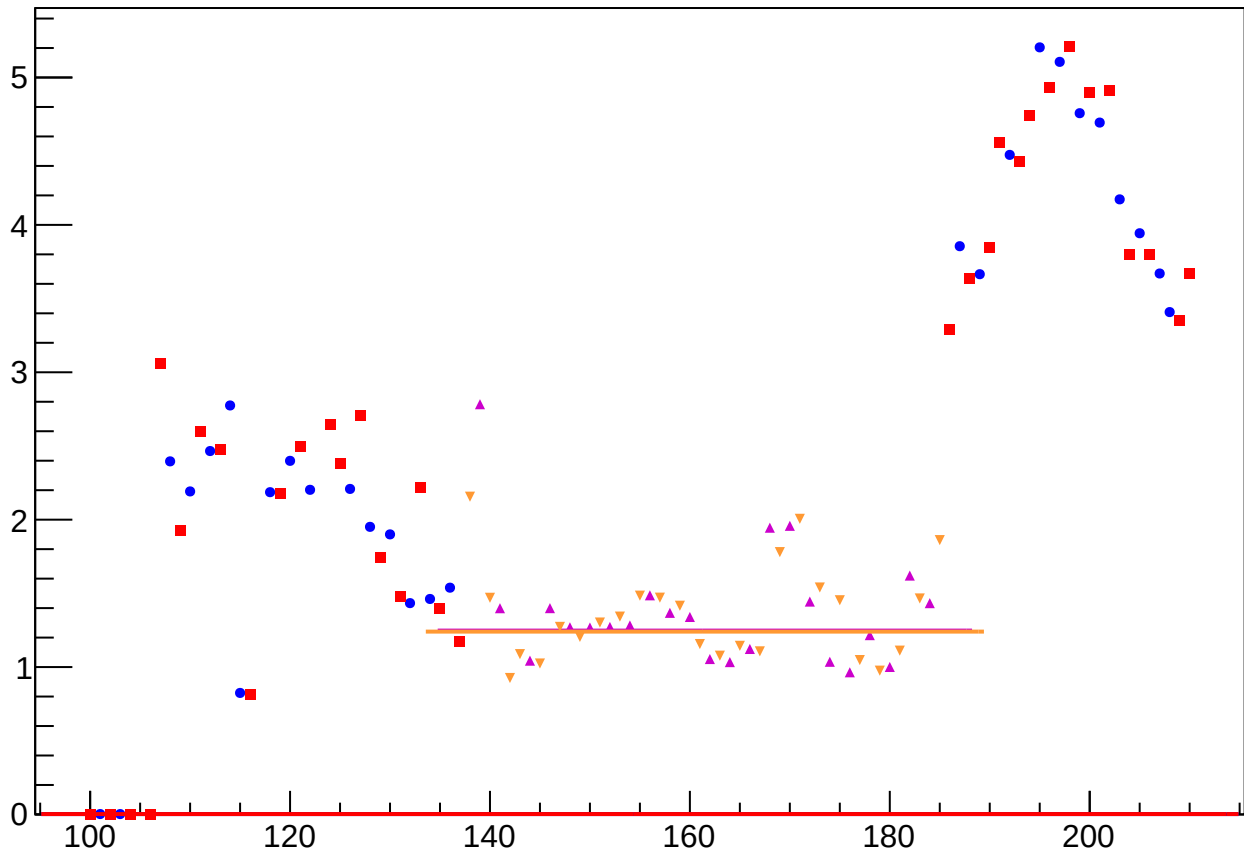
Left In: -27.427 $\pm$ 0.000 χ^2 /NDF: 123181562.3/22

+ sign 139.327 $\pm$ 0.000 χ^2 /NDF: 335129532902.4/5

All: 131.810 $\pm$ 0.000 χ^2 /NDF: 793515687473

- sign 125.385 $\pm$ 0.000 χ^2 /NDF: 774401481135467

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 26219932.6/26

Left Out: 1.241+/-0.000 χ^2/NDF :1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 30316351.7/32

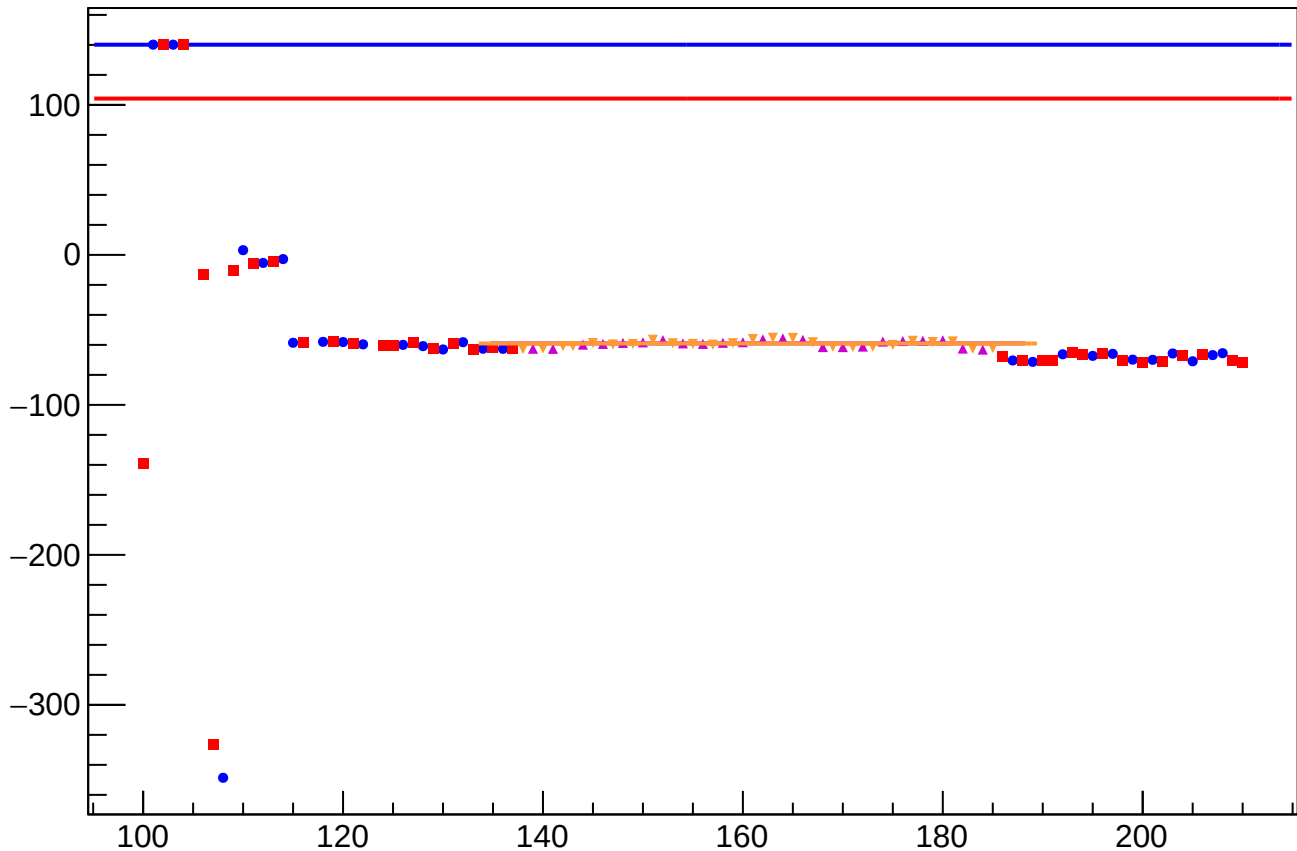
Left In: 1.247+/-0.000 χ^2/NDF :1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF : 57518055.8/51

All: 0.003+/-0.000 χ^2/NDF : 117601613.0/107

- sign 0.003+/-0.000 χ^2/NDF : 60083191.9/55

yield_cav4bY_mean vs Slug



Right In: 140.136 $\pm$ 0.000 χ^2 /NDF: 473907303977.8/26

Left Out: -59.066 $\pm$ 0.000 χ^2 /NDF:177511074.0/24

Right Out: 104.218 $\pm$ 0.000 χ^2 /NDF: 1257631489061769.5/32

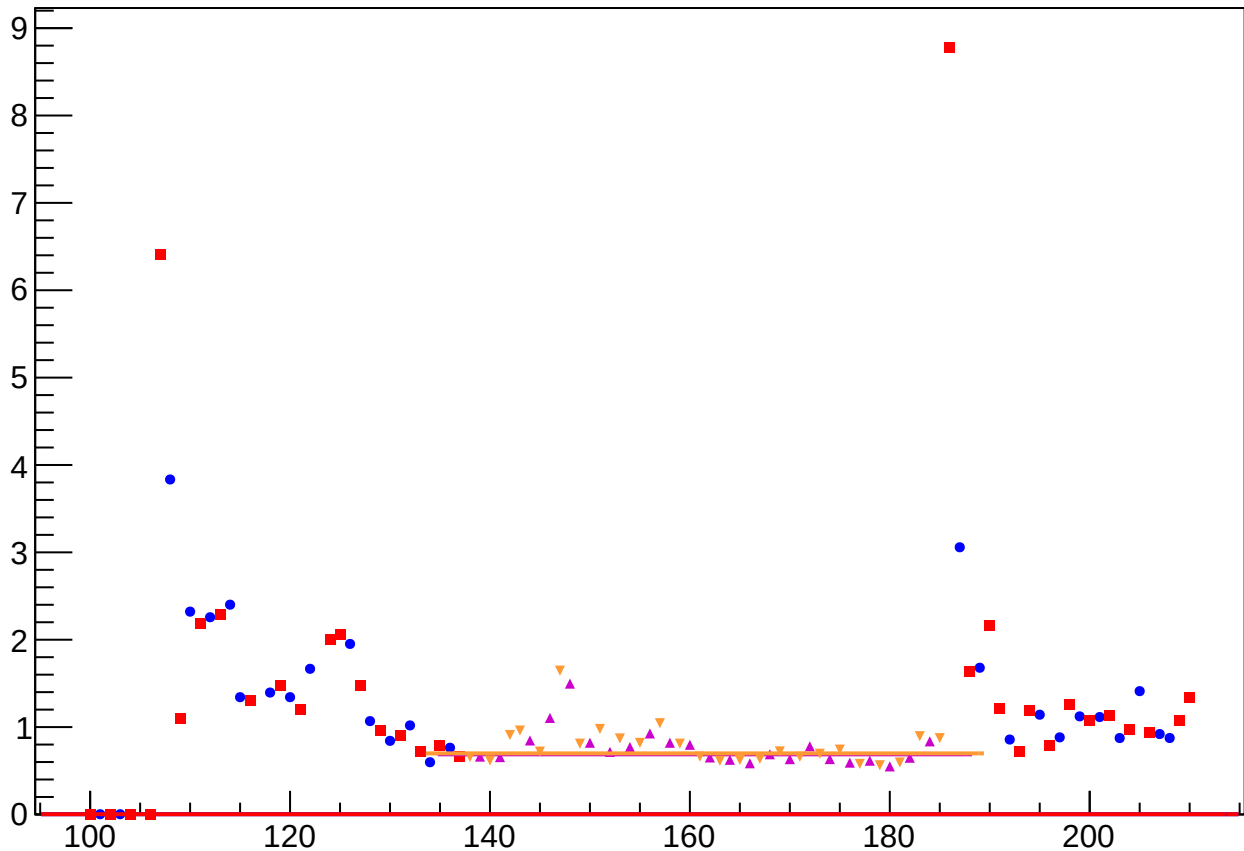
Left In: -59.020 $\pm$ 0.000 χ^2 /NDF:179236820.4/22

+ sign 140.099 $\pm$ 0.000 χ^2 /NDF: 1770997369789.4

All: 120.794 $\pm$ 0.000 χ^2 /NDF: 138350532160

- sign 104.192 $\pm$ 0.000 χ^2 /NDF: 125848848635209

yield_cav4bY_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 24335904.2/26

Left Out: 0.699 $\pm$ 0.000 χ^2 /NDF:1357196.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 28104236.6/32

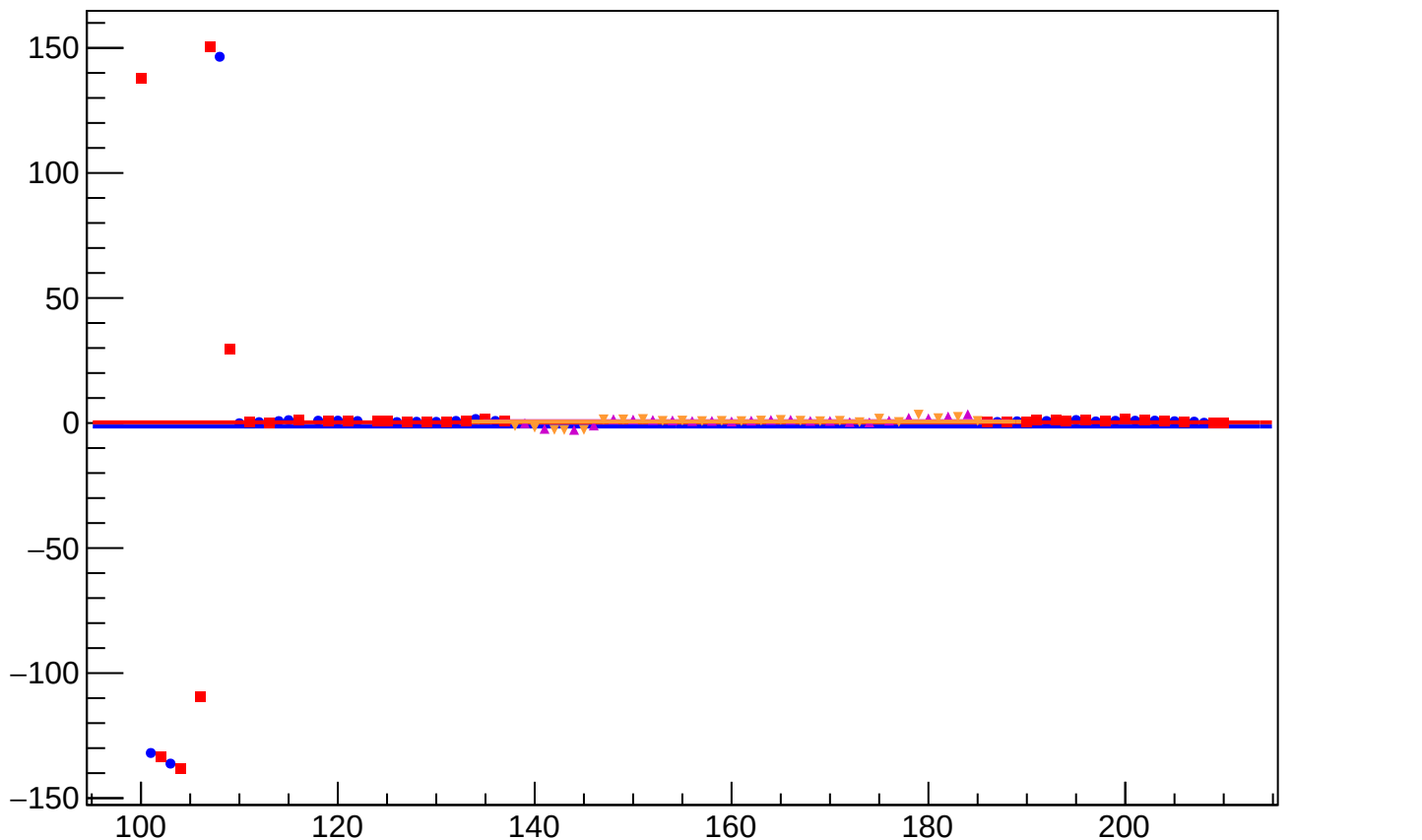
Left In: 0.688 $\pm$ 0.000 χ^2 /NDF:1107767.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 57386891.0/51

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 116798849.9/107

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 59411418.8/55

yield_cav4cX_mean vs Slug



Right In: -1.388 ± 0.000 $\chi^2/\text{NDF}: 9904852885.0/26$

Left Out: 0.575 ± 0.000 $\chi^2/\text{NDF}: 154364809.1/24$

Right Out: 0.285 ± 0.000 $\chi^2/\text{NDF}: 3612966106.5/32$

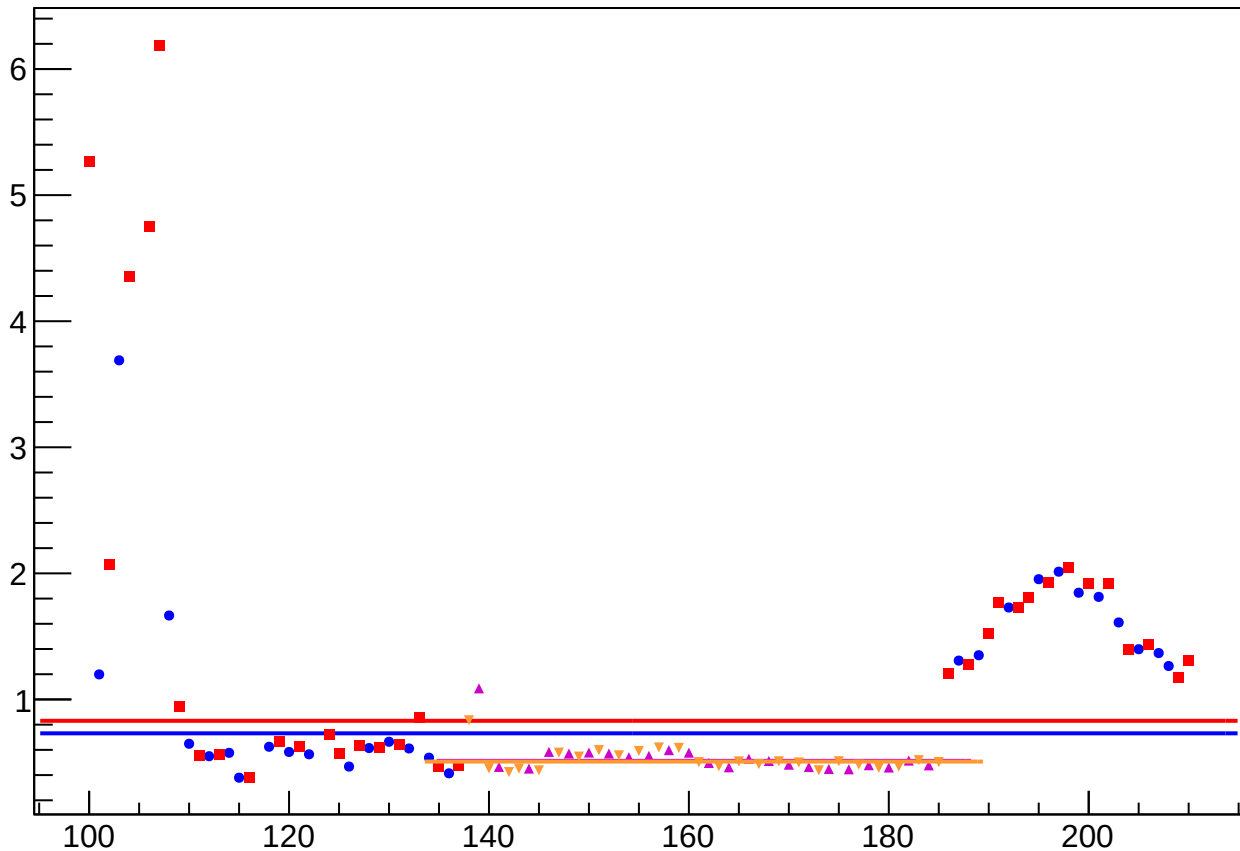
Left In: 0.732 ± 0.000 $\chi^2/\text{NDF}: 105135095.8/22$

+ sign 0.099 ± 0.000 $\chi^2/\text{NDF}: 10116043679.6/51$

All: 0.351 ± 0.000 $\chi^2/\text{NDF}: 13847466882.3/31$

- sign 0.624 ± 0.000 $\chi^2/\text{NDF}: 3720806476.6/55$

yield_cav4cX_rms vs Slug



Right In: 0.731 $\pm$ 0.000 χ^2 /NDF: 7541260.8/26

Left Out: 0.507 $\pm$ 0.000 χ^2 /NDF:554639.8/24

Right Out: 0.831 $\pm$ 0.000 χ^2 /NDF: 8491490.0/32

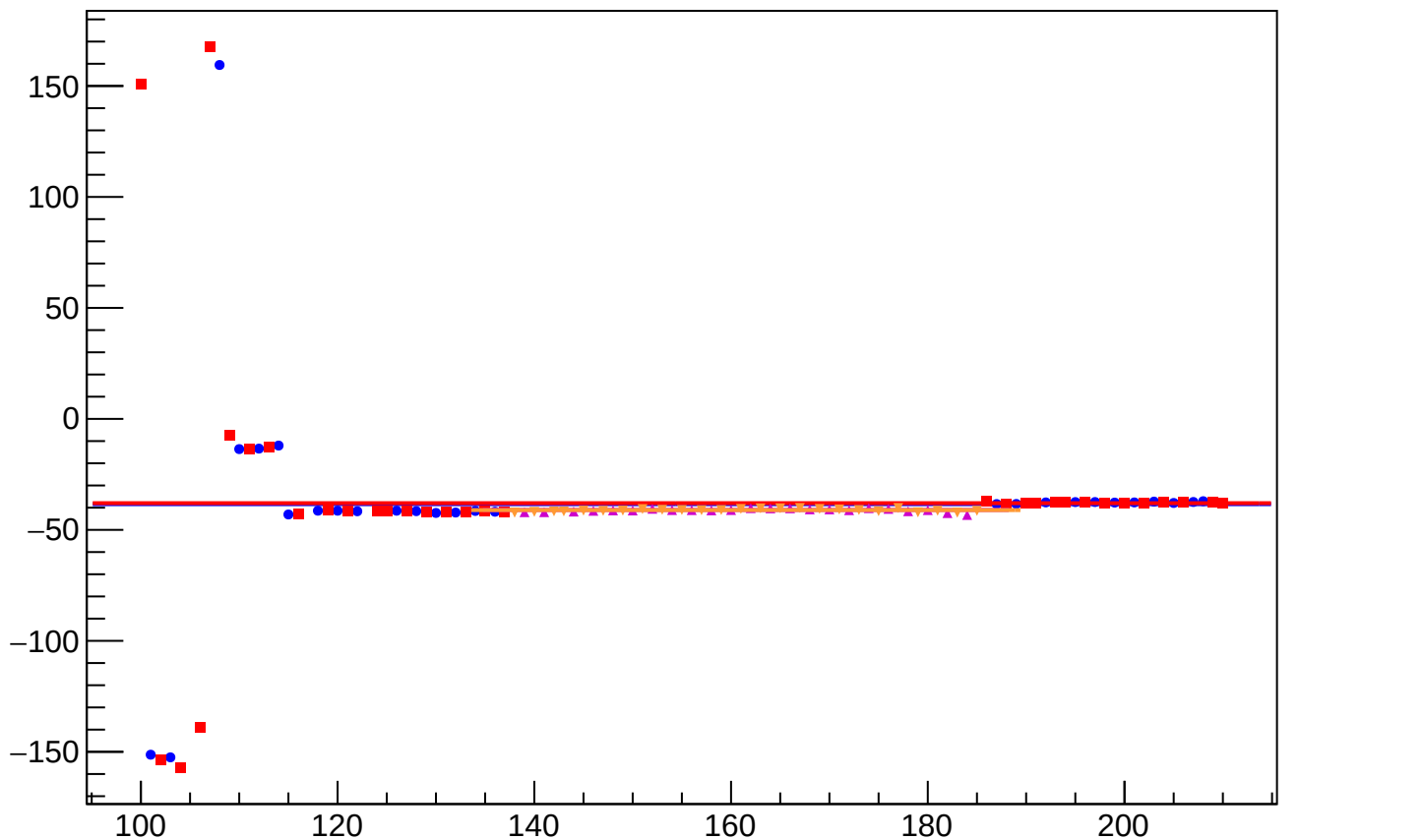
Left In: 0.513 $\pm$ 0.000 χ^2 /NDF:753419.6/22

+ sign 0.561 $\pm$ 0.000 χ^2 /NDF: 9578279.8/51

All: 0.575 $\pm$ 0.000 χ^2 /NDF: 21611667.3/107

- sign 0.589 $\pm$ 0.000 χ^2 /NDF: 11972851.1/55

yield_cav4cY_mean vs Slug



Right In: -38.427 ± 0.000 $\chi^2/\text{NDF}: 3616913003.7/26$

Left Out: -41.092 ± 0.000 $\chi^2/\text{NDF}: 60251030.2/24$

+ sign -40.267 ± 0.000 $\chi^2/\text{NDF}: 4023556648.4/51$

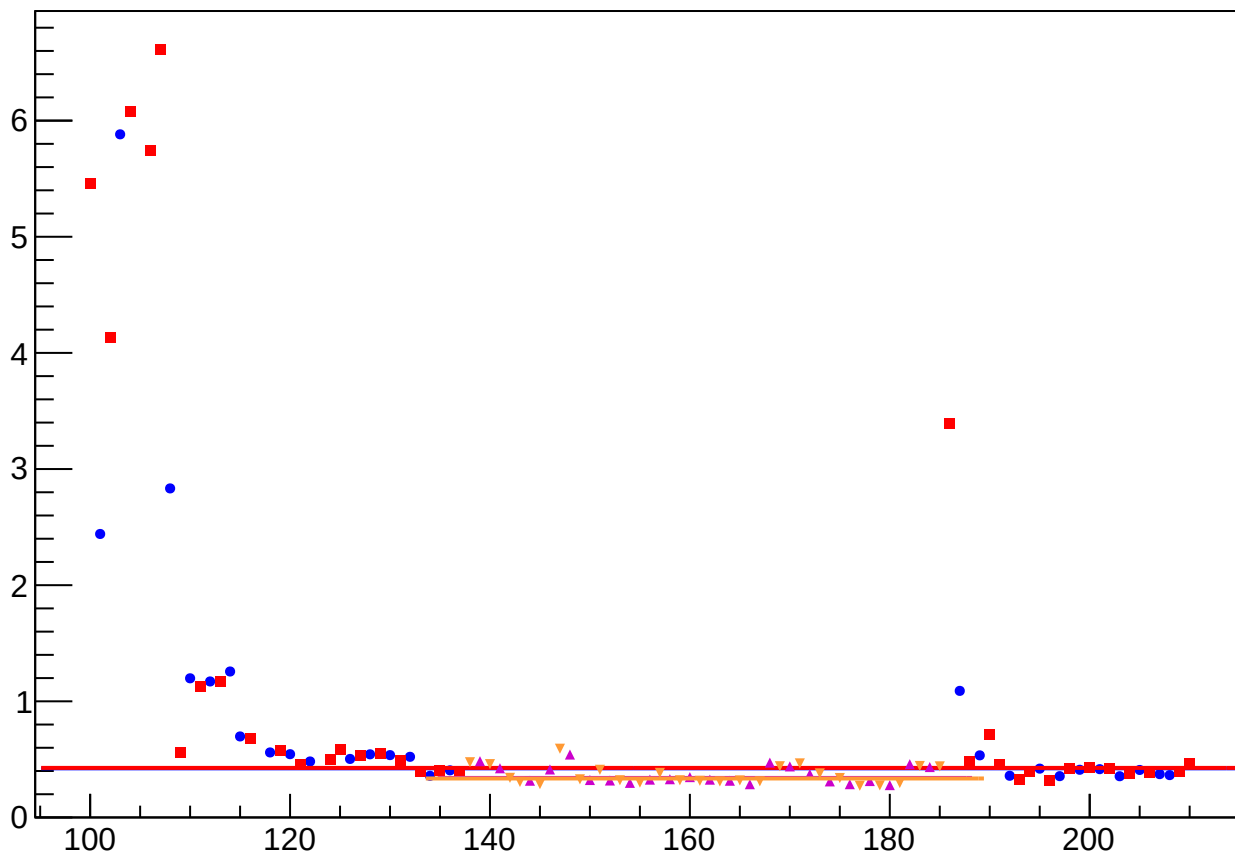
Right Out: -37.974 ± 0.000 $\chi^2/\text{NDF}: 2514481779.9/32$

All: -40.115 ± 0.000 $\chi^2/\text{NDF}: 7074222824.9/100$

Left In: -41.029 ± 0.000 $\chi^2/\text{NDF}: 51382147.2/22$

- sign -39.960 ± 0.000 $\chi^2/\text{NDF}: 3040023090.3/55$

yield_cav4cY_rms vs Slug



Right In: 0.423+/-0.000 χ^2/NDF : 3733231.8/26

Left Out: 0.336+/-0.000 χ^2/NDF :1238006.0/24

Right Out: 0.427+/-0.000 χ^2/NDF : 4700058.7/32

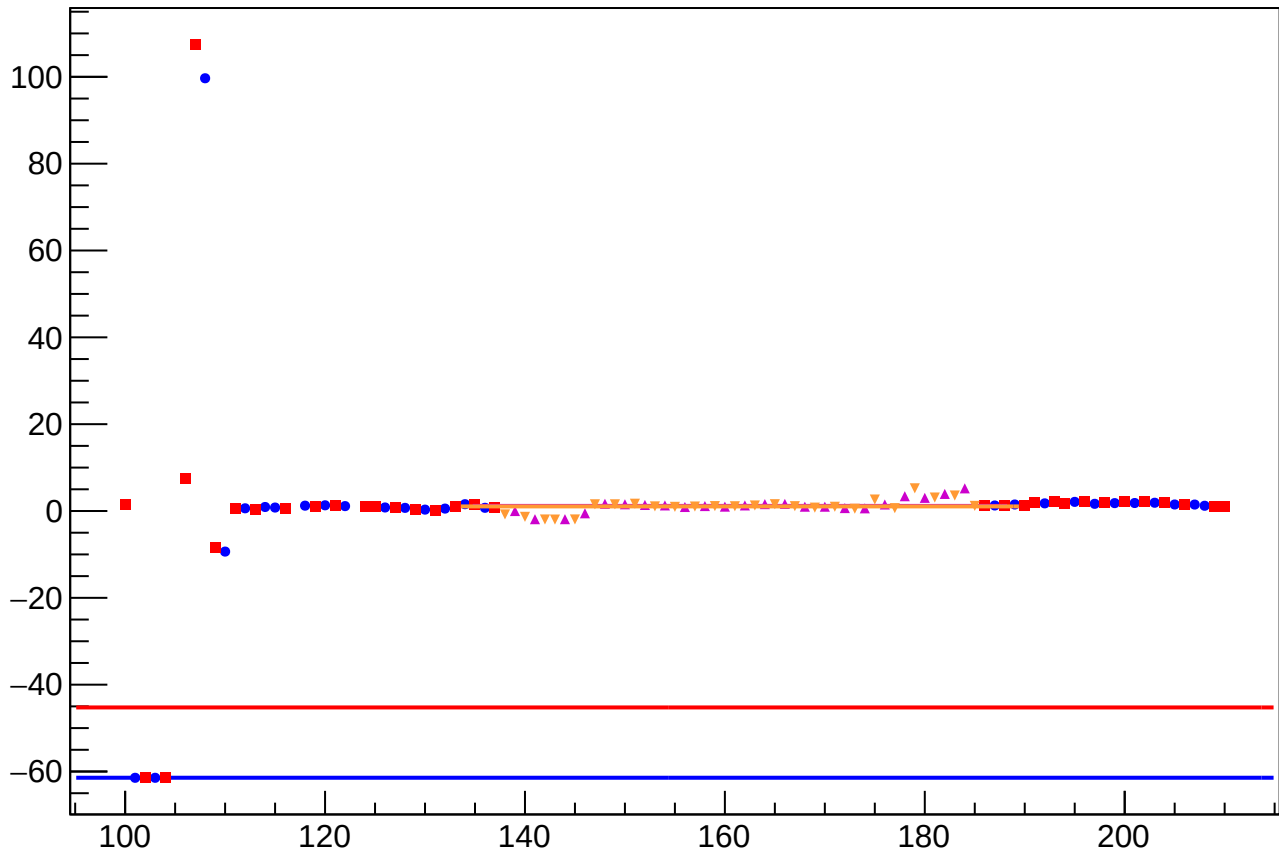
Left In: 0.340+/-0.000 χ^2/NDF :1065343.8/22

+ sign 0.363+/-0.000 χ^2/NDF : 5714805.6/51

All: 0.367+/-0.000 χ^2/NDF : 12253935.0/107

- sign 0.371+/-0.000 χ^2/NDF : 6525300.9/55

yield_cav4dX_mean vs Slug



Right In: -61.435 ± 0.000 χ^2/NDF : 291260092227.0/26

Left Out: 1.059 ± 0.000 χ^2/NDF : 253133917.4/24

Right Out: -45.244 ± 0.000 χ^2/NDF : 357883290604601.2/32

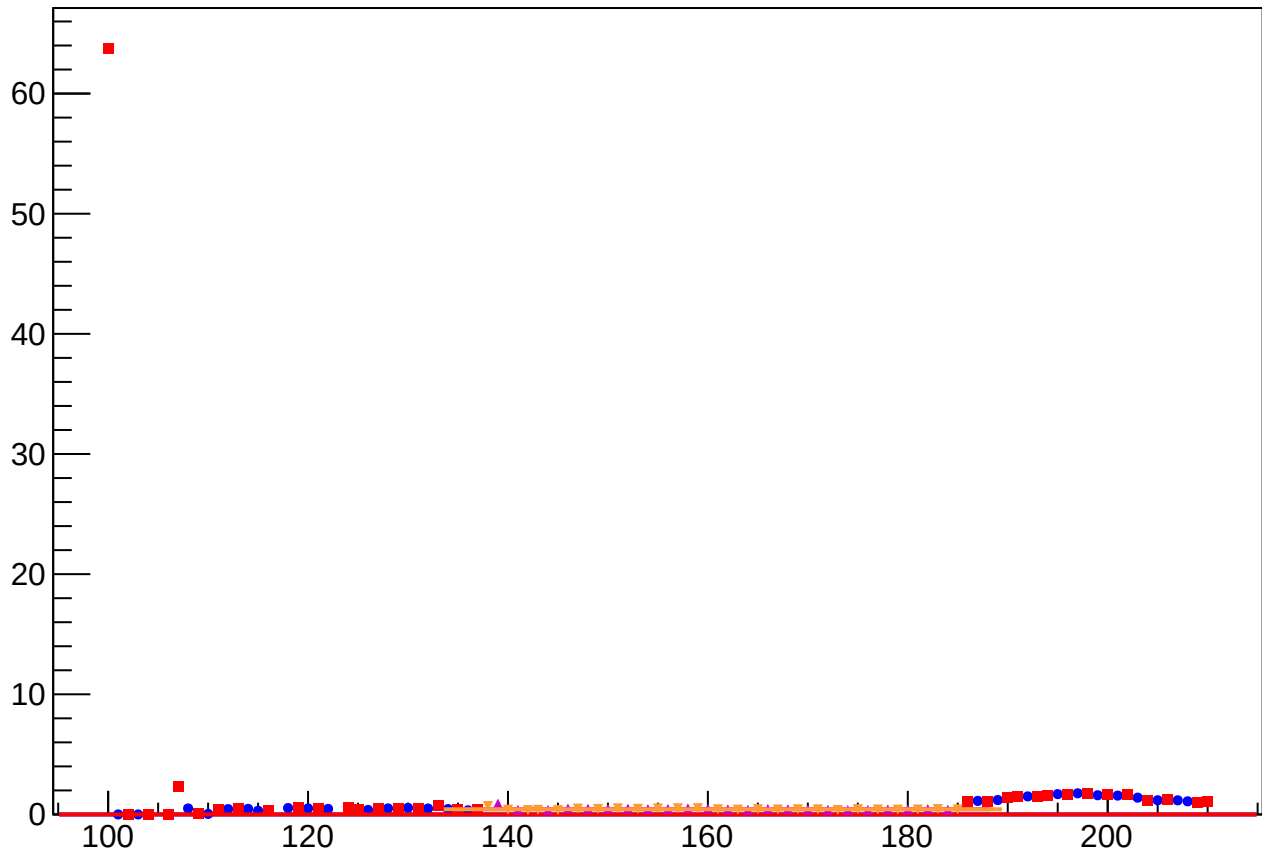
Left In: 1.175 ± 0.000 χ^2/NDF : 182397676.2/22

+ sign -61.421 ± 0.000 χ^2/NDF : 621260539565.0/5

All: -52.737 ± 0.000 χ^2/NDF : 409621979359

- sign -45.236 ± 0.000 χ^2/NDF : 358049852795378.

yield_cav4dX_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 25775933.0/26

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF: 527546.3/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 29937371.3/32

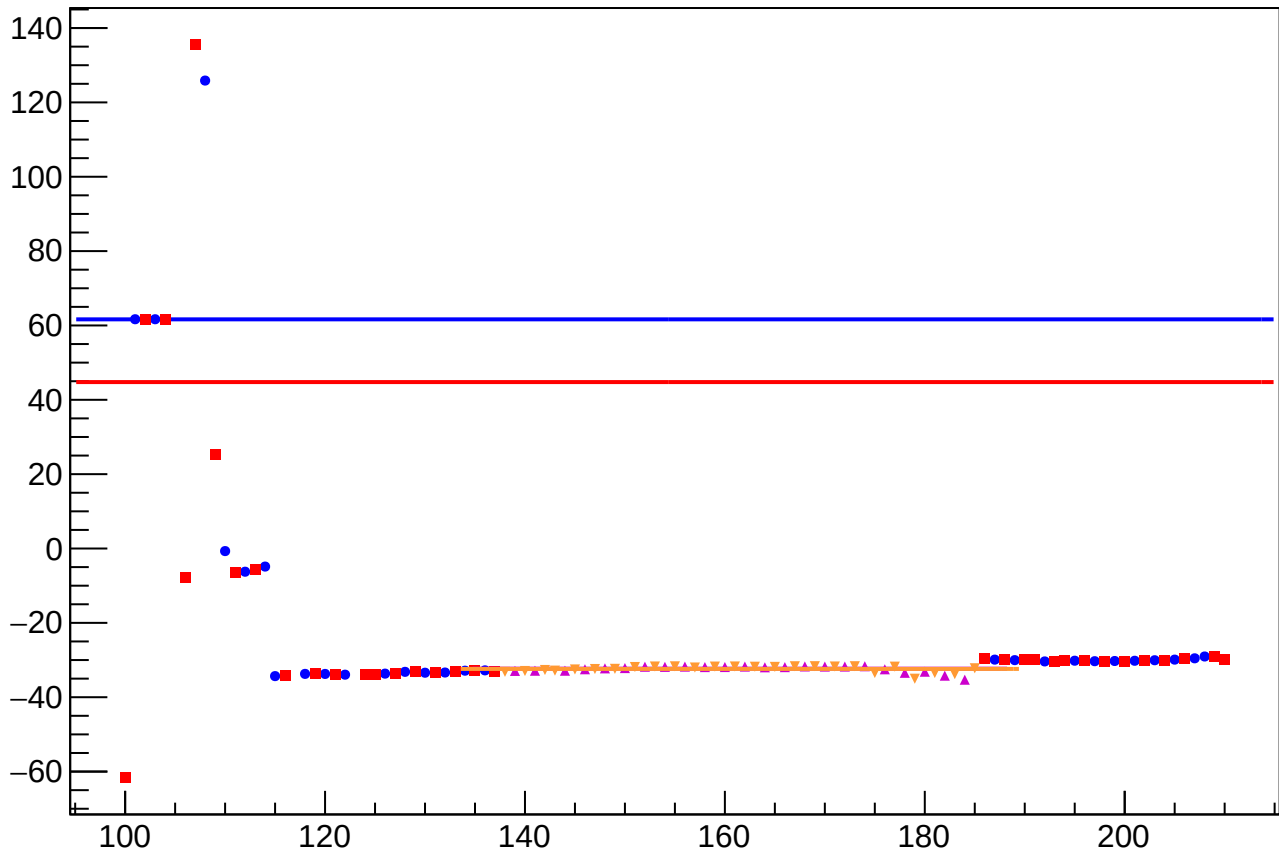
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF: 698702.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 57539283.1/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 117617695.8/107

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 60078248.3/55

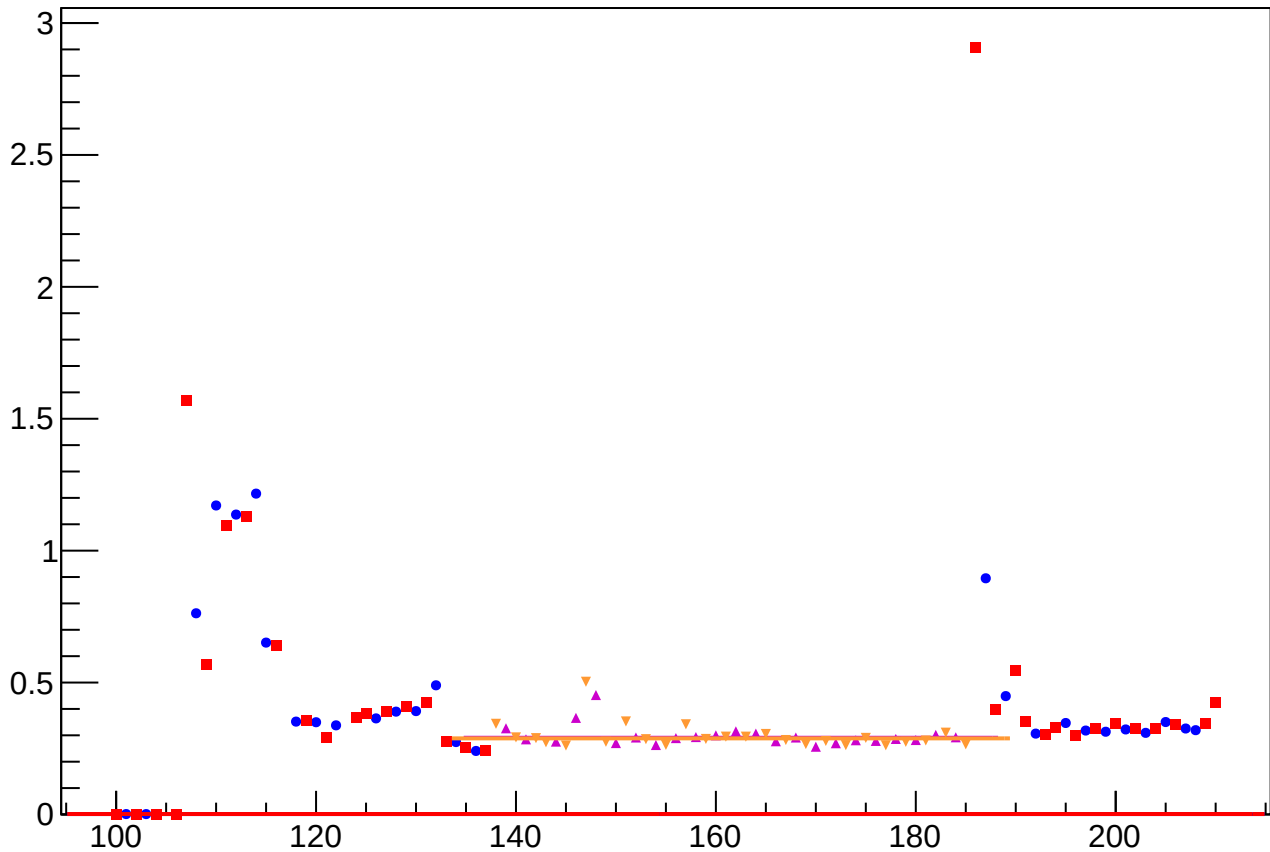
yield_cav4dY_mean vs Slug



Right In: 61.641 $\pm$ 0.000 χ^2 /NDF: 1003074089204.9/26
 Left Out: -32.386 $\pm$ 0.000 χ^2 /NDF: 172024234.9/24
 Right Out: 44.769 $\pm$ 0.000 χ^2 /NDF: 366567833931357.0/32
 Left In: -32.325 $\pm$ 0.000 χ^2 /NDF: 118654391.5/22

+ sign 61.580 $\pm$ 0.000 χ^2 /NDF: 2960354726795.2/5
 All: 52.620 $\pm$ 0.000 χ^2 /NDF: 4217553866883
 - sign 44.728 $\pm$ 0.000 χ^2 /NDF: 367795124831700.8

yield_cav4dY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 27338204.2/26

Left Out: 0.288 $\pm$ 0.000 χ^2 /NDF:522979.2/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 30816765.8/32

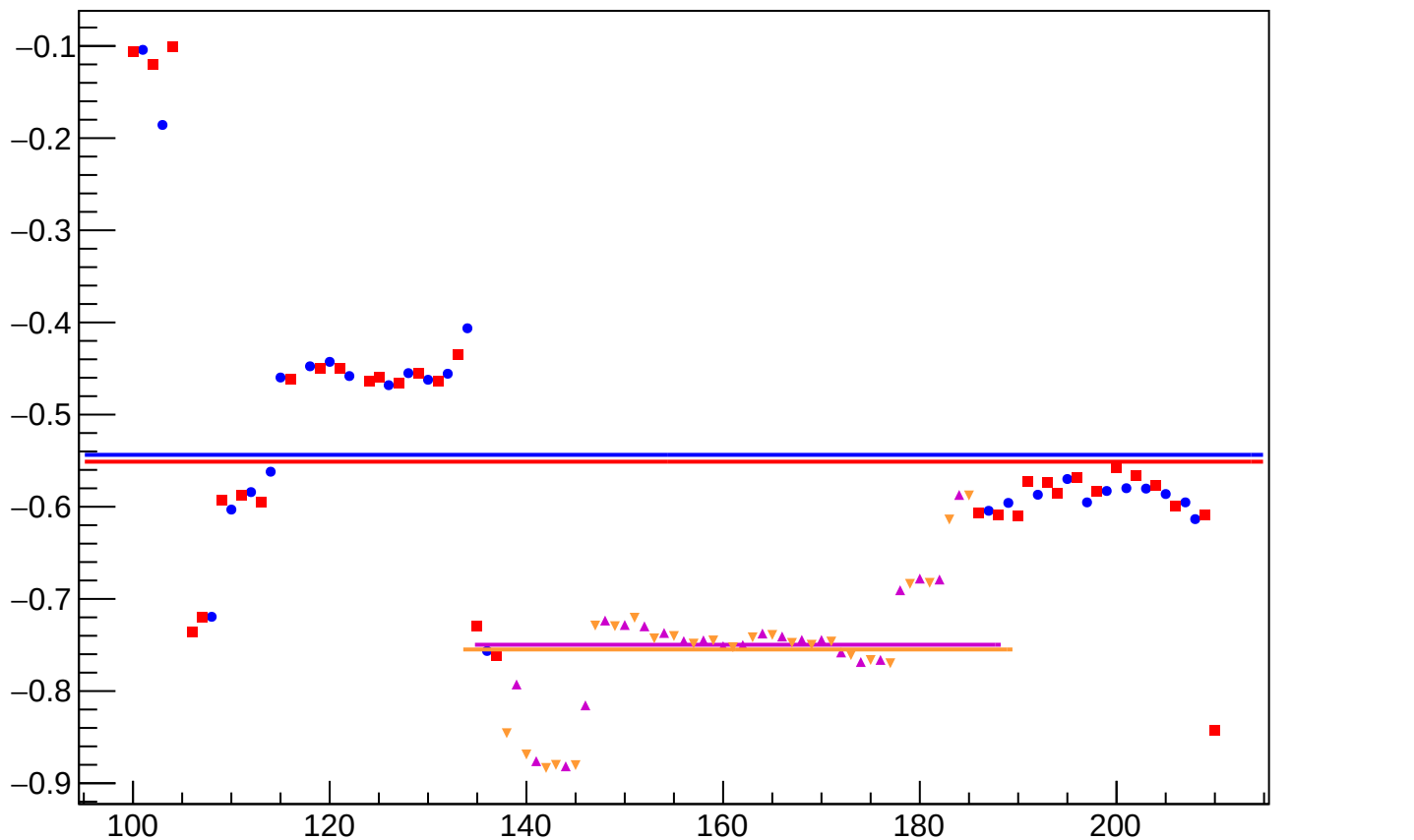
Left In: 0.291 $\pm$ 0.000 χ^2 /NDF:387524.5/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 64283039.3/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 129990390.7/107

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 65707302.4/55

yield_bpm4aX_mean vs Slug



Right In: -0.544 $\pm$ 0.000 χ^2 /NDF: 306811564.2/26

Left Out: -0.755 $\pm$ 0.000 χ^2 /NDF: 212643091.8/24

Right Out: -0.551 $\pm$ 0.000 χ^2 /NDF: 247544613.2/32

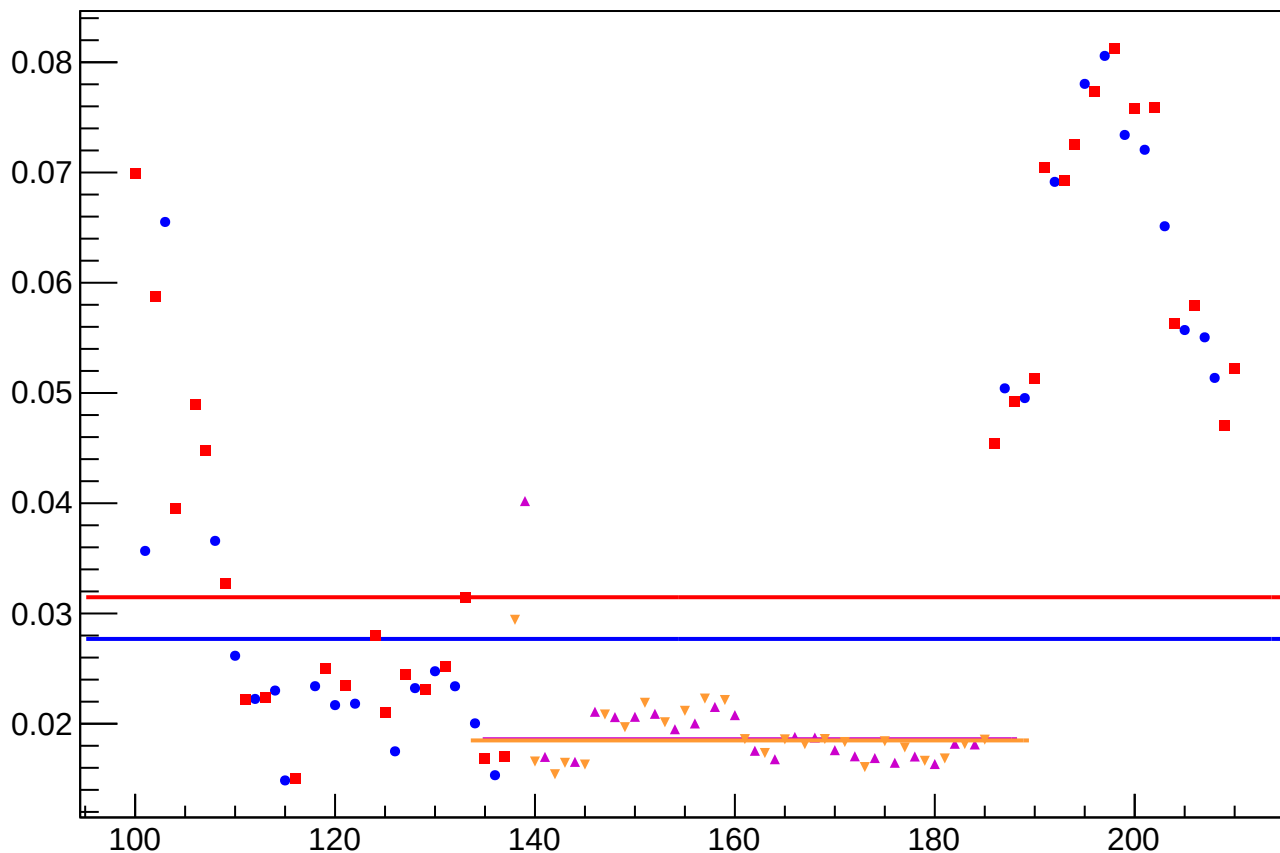
Left In: -0.750 $\pm$ 0.000 χ^2 /NDF: 140839352.1/22

+ sign -0.706 $\pm$ 0.000 χ^2 /NDF: 990860819.1/51

All: -0.705 $\pm$ 0.000 χ^2 /NDF: 1768184628.7/1

- sign -0.704 $\pm$ 0.000 χ^2 /NDF: 777155733.2/55

yield_bpm4aX_rms vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 7452224.9/26

Left Out: 0.018+/-0.000 χ^2/NDF : 491665.0/24

Right Out: 0.031+/-0.000 χ^2/NDF : 7637683.6/32

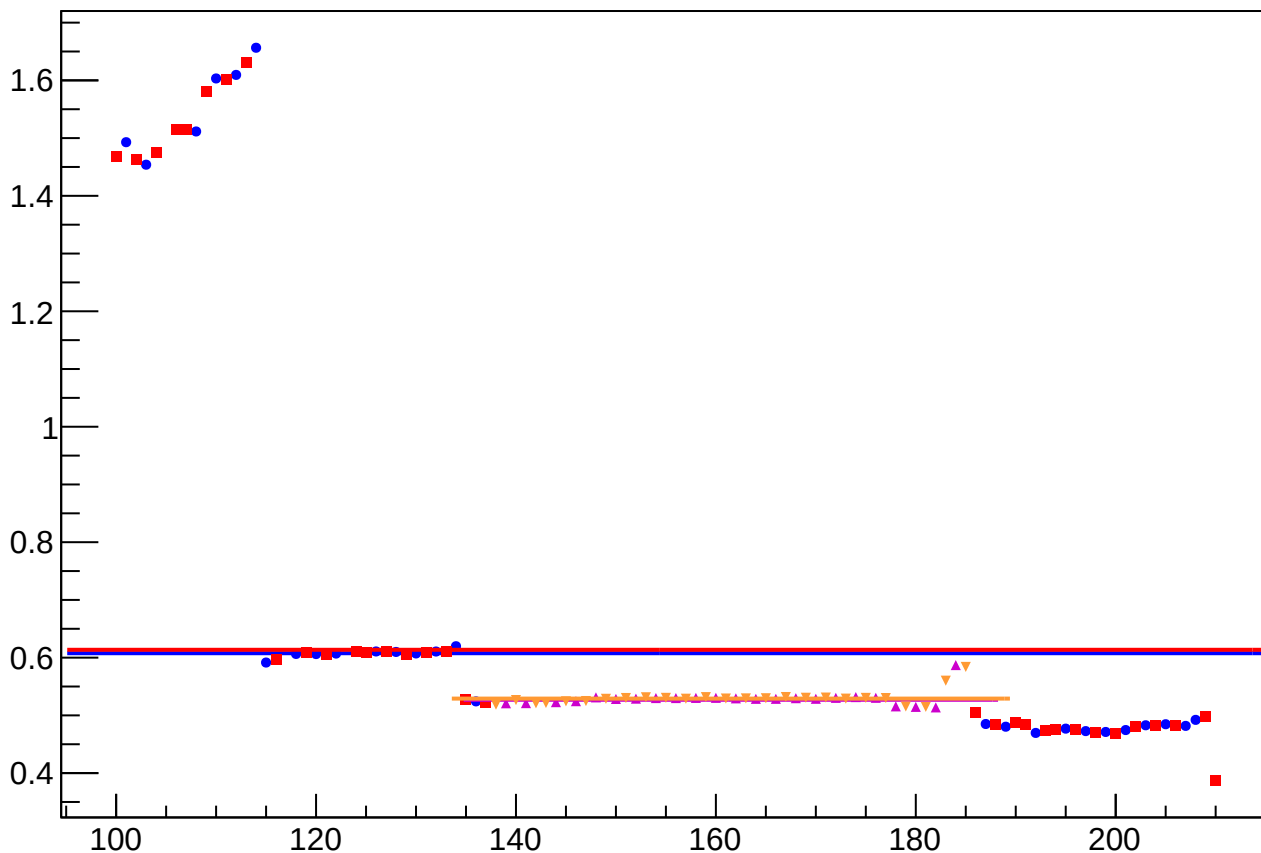
Left In: 0.019+/-0.000 χ^2/NDF : 739183.3/22

+ sign 0.021+/-0.000 χ^2/NDF : 9735211.2/51

All: 0.021+/-0.000 χ^2/NDF : 21435331.2/107

- sign 0.022+/-0.000 χ^2/NDF : 11646214.9/55

yield_bpm4aY_mean vs Slug



Right In: 0.608 $\pm$ 0.000 χ^2 /NDF: 5640194852.3/26

Left Out: 0.529 $\pm$ 0.000 χ^2 /NDF: 16236836.5/24

Right Out: 0.614 $\pm$ 0.000 χ^2 /NDF: 6738237727.1/32

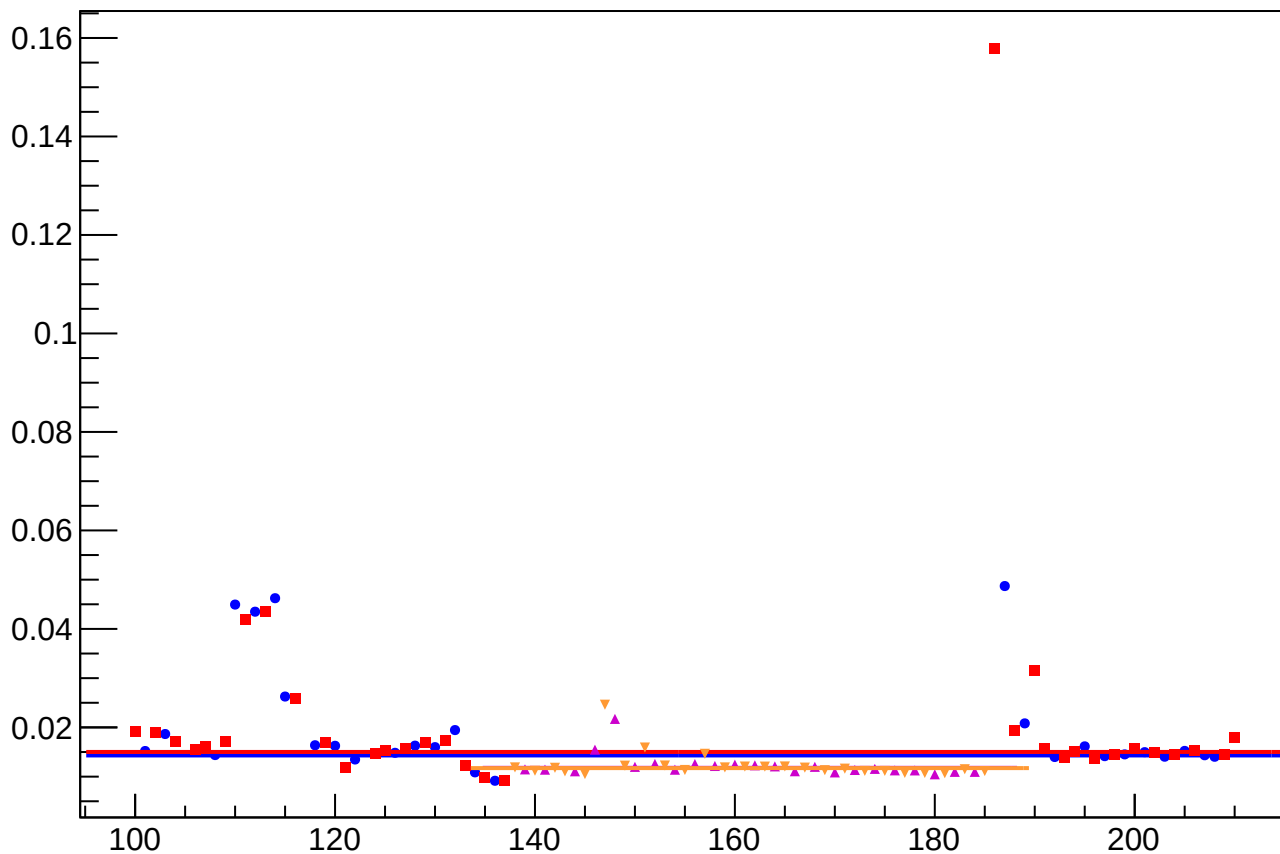
Left In: 0.527 $\pm$ 0.000 χ^2 /NDF: 13035326.4/22

+ sign 0.556 $\pm$ 0.000 χ^2 /NDF: 5936605598.3/51

All: 0.557 $\pm$ 0.000 χ^2 /NDF: 13028895920.2/101

- sign 0.558 $\pm$ 0.000 χ^2 /NDF: 7091656410.3/55

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1970216.3/26

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:699878.1/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2432902.3/32

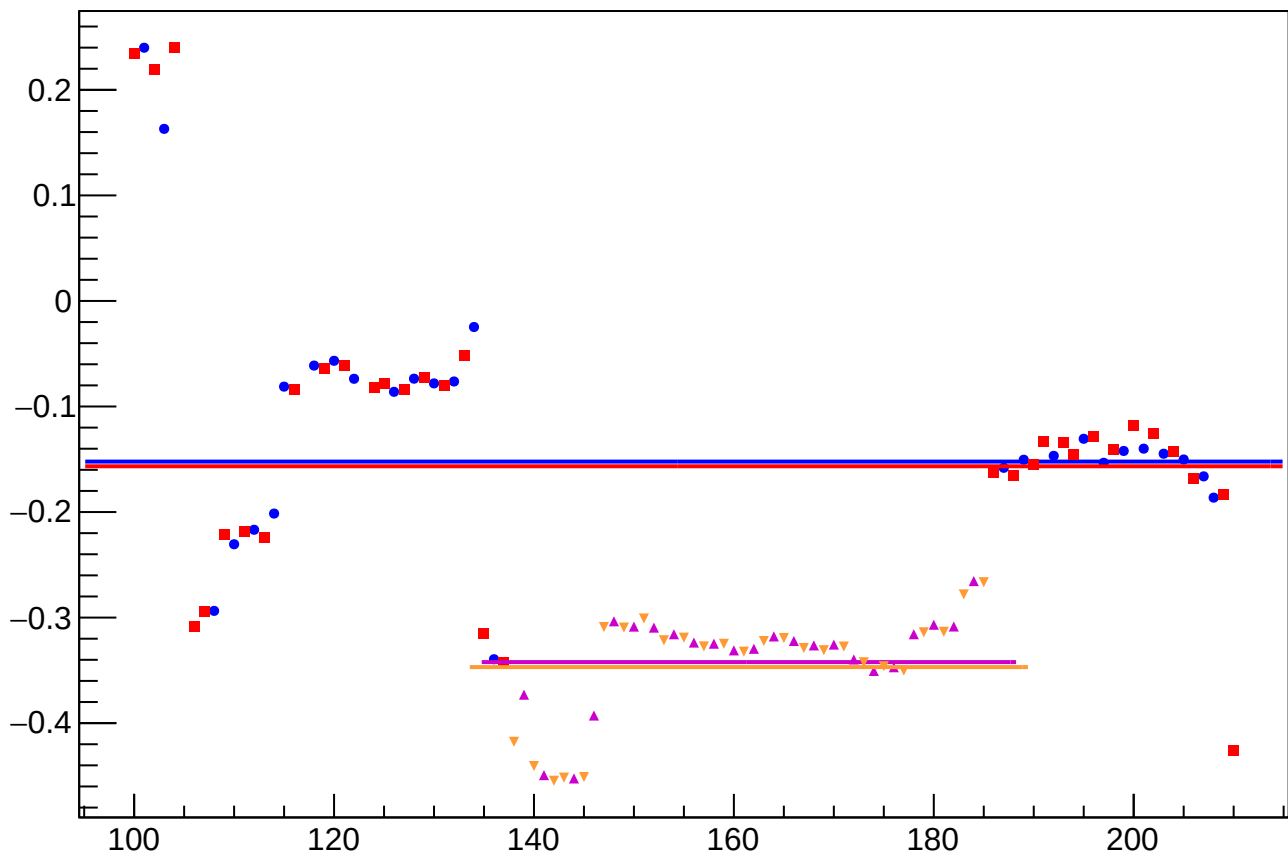
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:519826.8/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3269263.5/51

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 7190623.7/107

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3897133.4/55

yield_bpm4eX_mean vs Slug



Right In: -0.152 ± 0.000 χ^2/NDF : 277404039.8/26

Left Out: -0.347 ± 0.000 χ^2/NDF : 125890246.2/24

Right Out: -0.157 ± 0.000 χ^2/NDF : 225549237.9/32

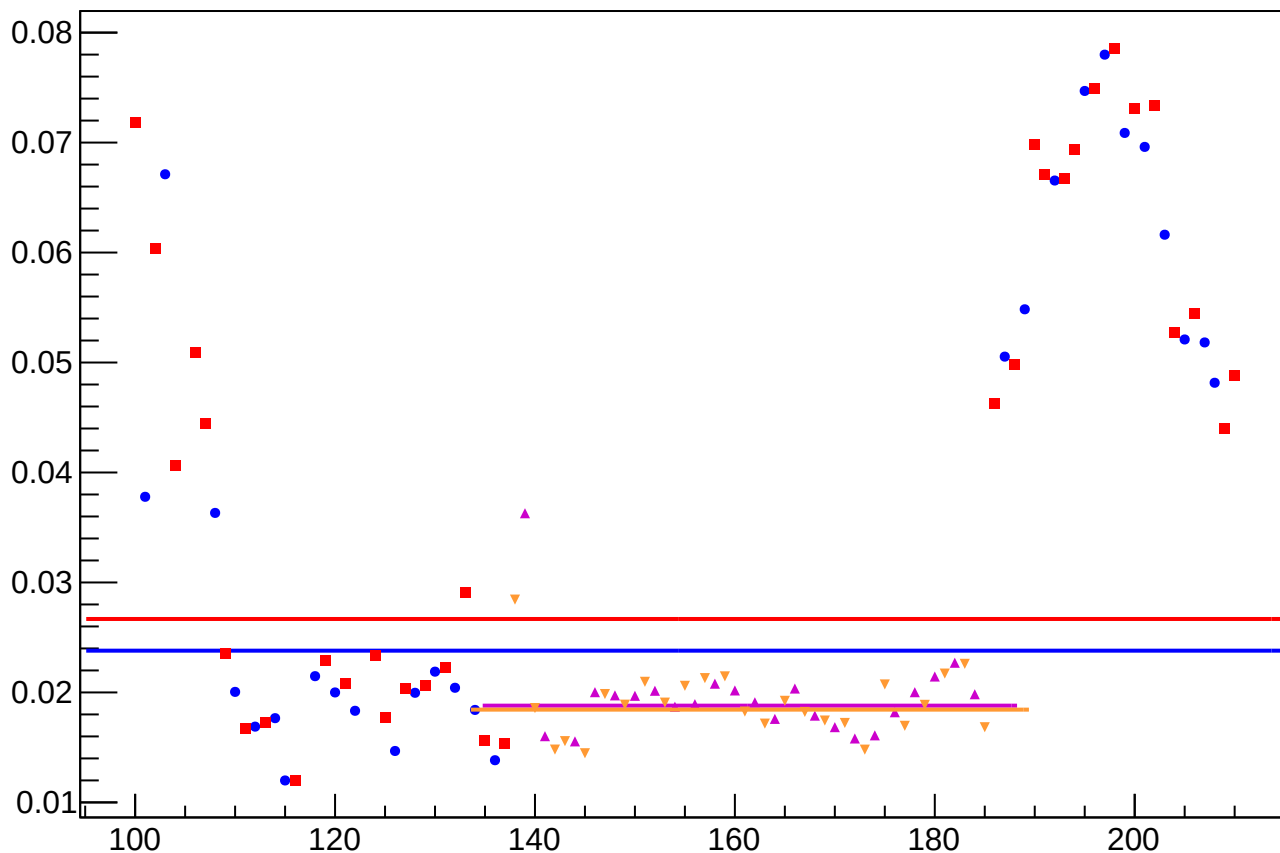
Left In: -0.342 ± 0.000 χ^2/NDF : 88220744.3/22

+ sign -0.293 ± 0.000 χ^2/NDF : 889623948.3/51

All: -0.292 ± 0.000 χ^2/NDF : 1616733067.4/1

- sign -0.290 ± 0.000 χ^2/NDF : 726704714.8/55

yield_bpm4eX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 8532360.8/26

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:640029.5/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 9274821.7/32

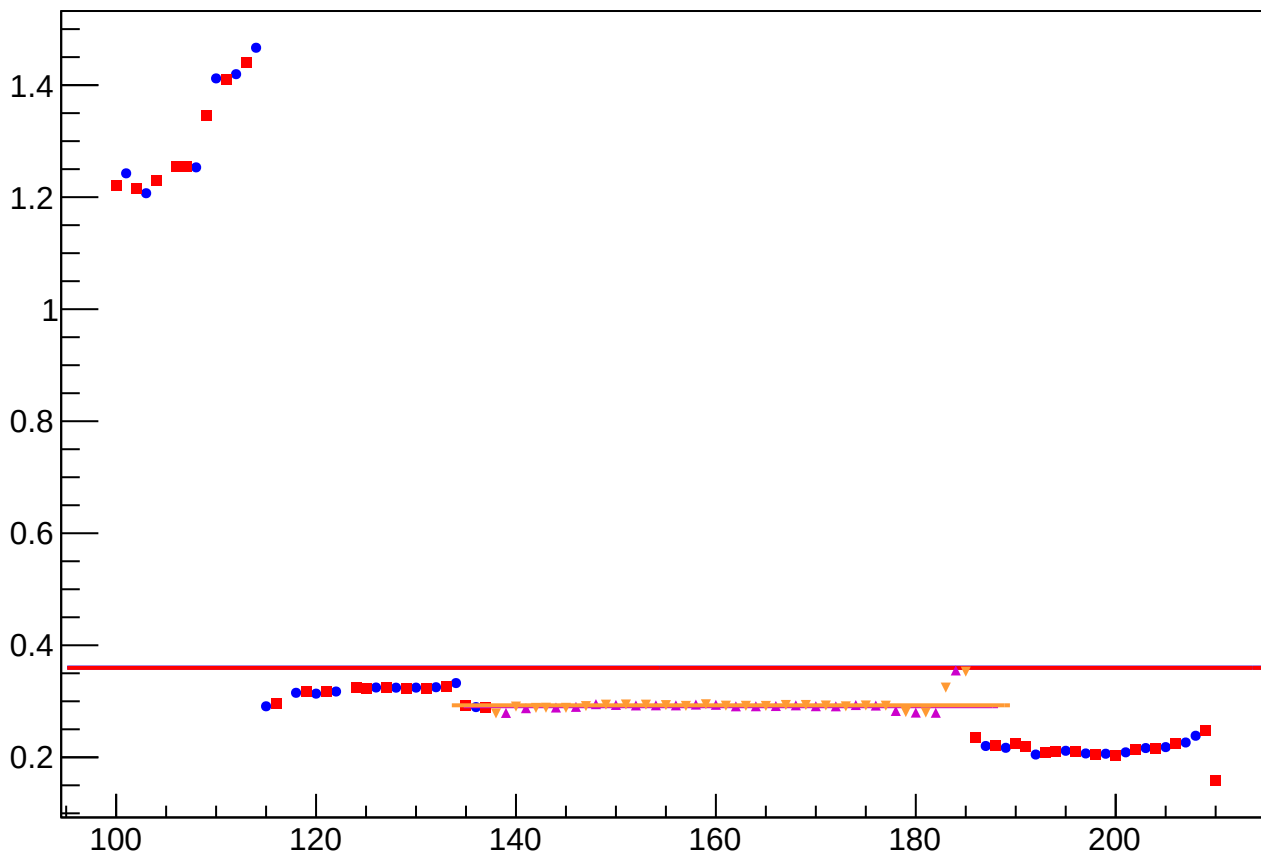
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:718726.0/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 9910107.1/51

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 21470608.3/107

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11483940.9/55

yield_bpm4eY_mean vs Slug



Right In: 0.360+/-0.000 χ^2/NDF : 8331446287.1/26

Left Out: 0.293+/-0.000 χ^2/NDF : 17281571.0/24

Right Out: 0.360+/-0.000 χ^2/NDF : 9418458865.2/32

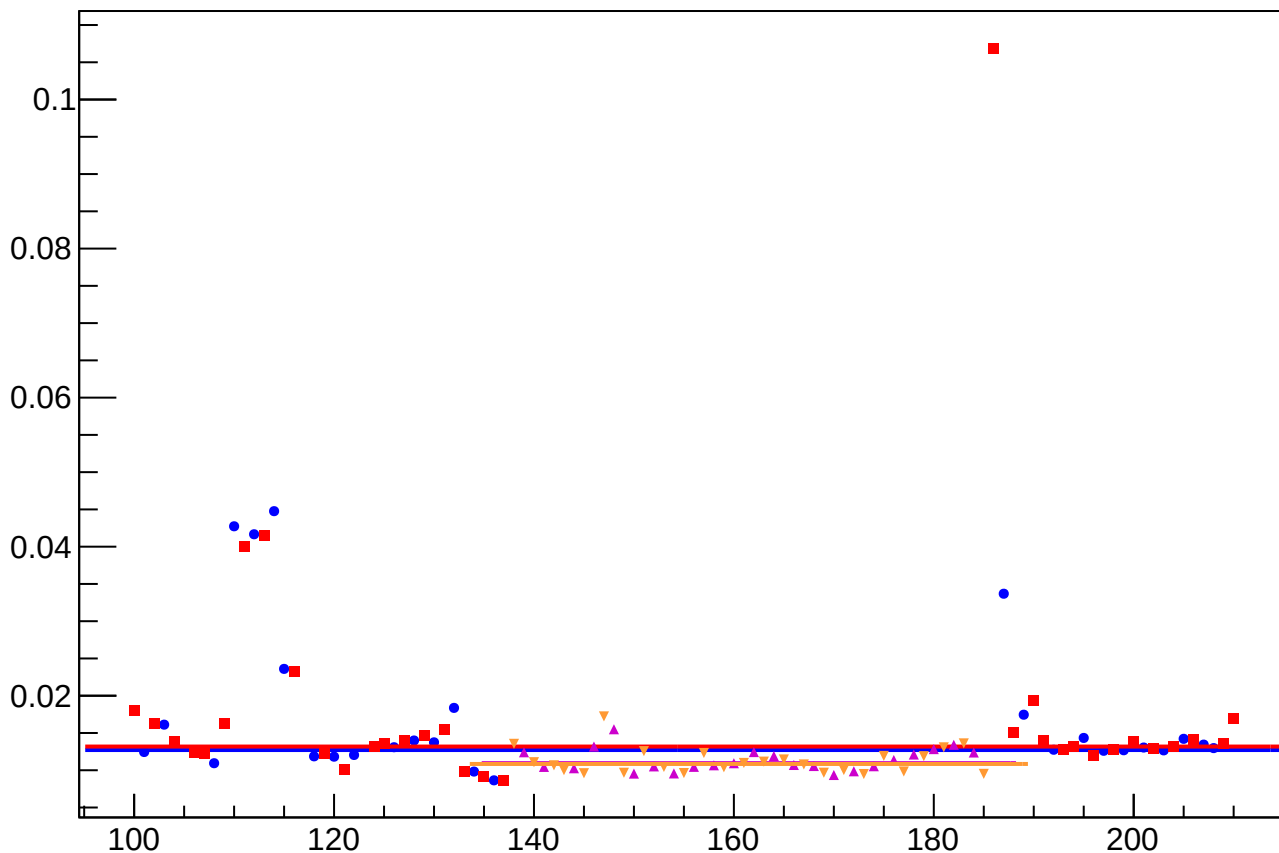
Left In: 0.291+/-0.000 χ^2/NDF : 10282762.1/22

+ sign 0.317+/-0.000 χ^2/NDF : 8601094344.1/51

All: 0.317+/-0.000 χ^2/NDF : 18293036203.2/101

- sign 0.318+/-0.000 χ^2/NDF : 9691865865.3/55

yield_bpm4eY_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 1793654.0/26

Left Out: 0.011 ± 0.000 χ^2/NDF : 654475.7/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 2260355.4/32

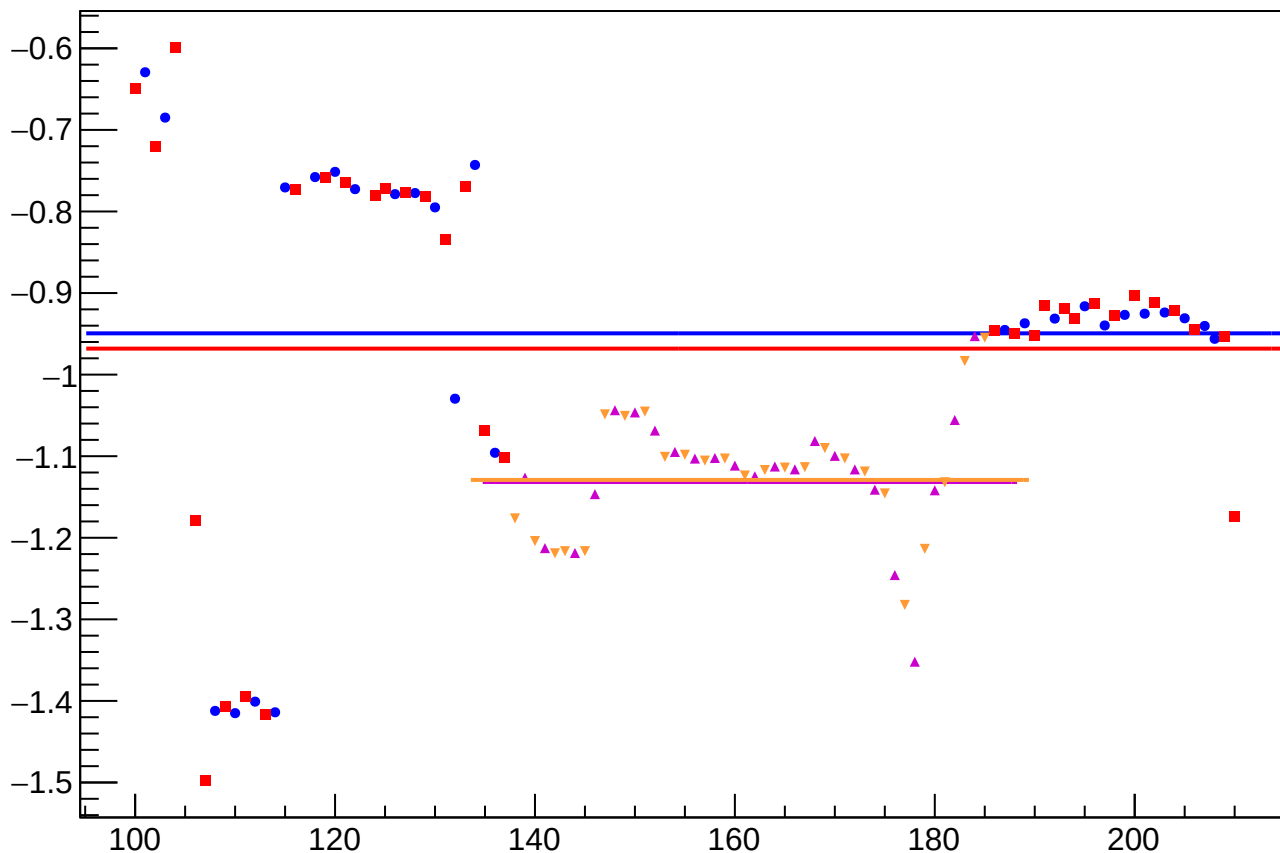
Left In: 0.011 ± 0.000 χ^2/NDF : 512130.1/22

+ sign 0.012 ± 0.000 χ^2/NDF : 2837437.6/51

All: 0.012 ± 0.000 χ^2/NDF : 6187478.1/107

- sign 0.012 ± 0.000 χ^2/NDF : 3327766.5/55

yield_bpm4acX_mean vs Slug



Right In: -0.949 ± 0.000 χ^2/NDF : 700278149.7/26

Left Out: -1.129 ± 0.000 χ^2/NDF : 238152679.4/24

Right Out: -0.968 ± 0.000 χ^2/NDF : 731528803.8/32

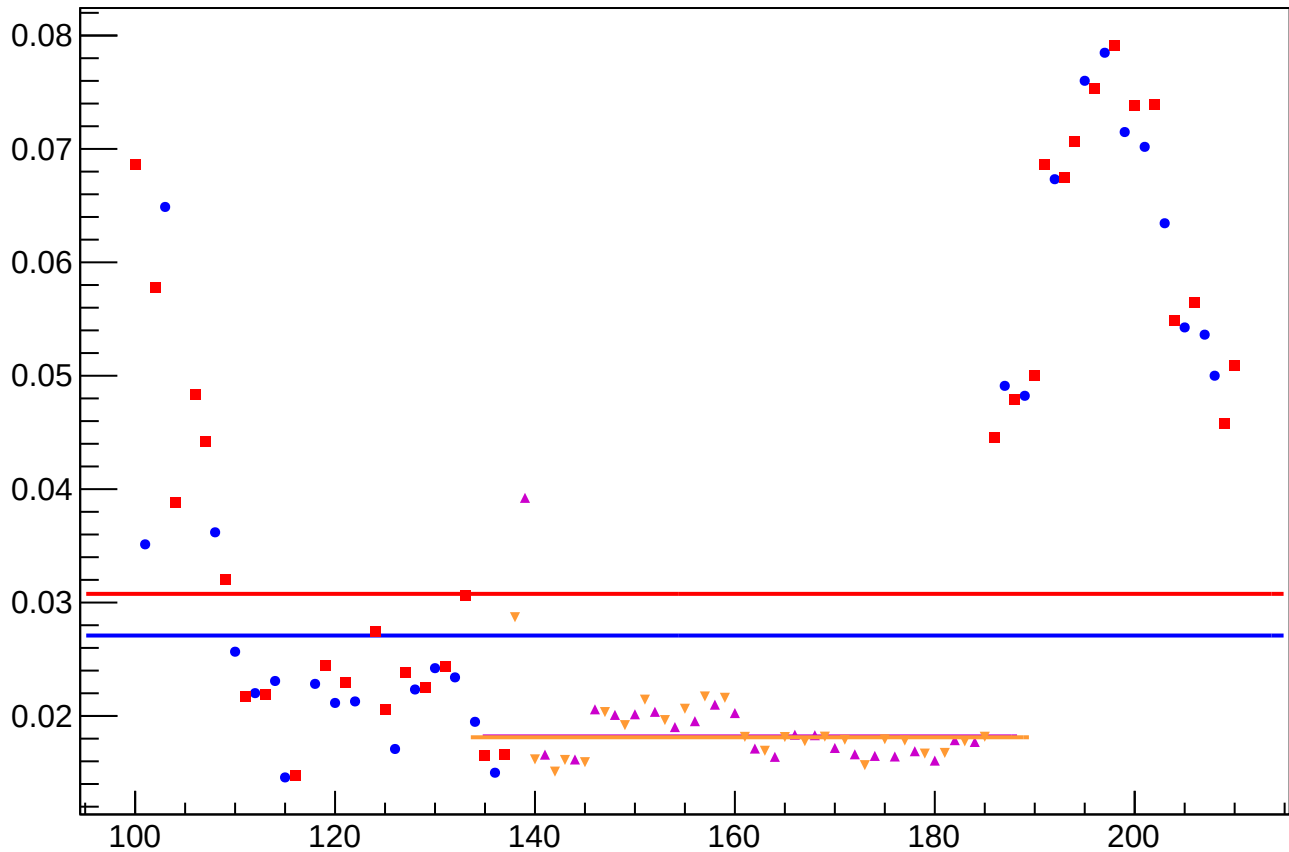
Left In: -1.132 ± 0.000 χ^2/NDF : 260075820.5/22

+ sign -1.087 ± 0.000 χ^2/NDF : 1294852265.1/51

All: -1.090 ± 0.000 χ^2/NDF : 2563269907.8/1

- sign -1.094 ± 0.000 χ^2/NDF : 1267248350.1/55

yield_bpm4acX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 7430321.8/26

Left Out: 0.018+/-0.000 χ^2/NDF : 474004.4/24

Right Out: 0.031+/-0.000 χ^2/NDF : 7610478.9/32

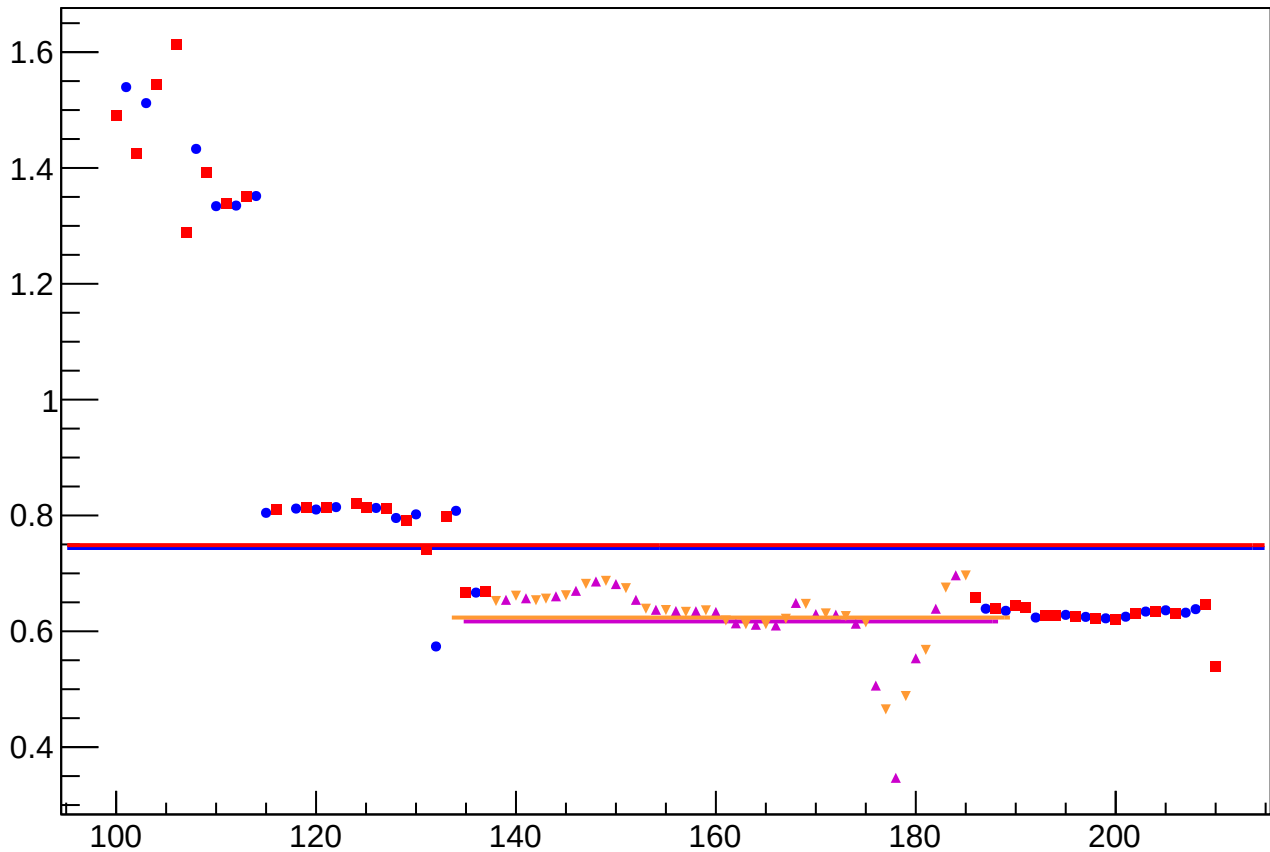
Left In: 0.018+/-0.000 χ^2/NDF : 723957.3/22

+ sign 0.020+/-0.000 χ^2/NDF : 9681283.3/51

All: 0.021+/-0.000 χ^2/NDF : 21320488.6/107

- sign 0.021+/-0.000 χ^2/NDF : 11588767.0/55

yield_bpm4acY_mean vs Slug



Right In: 0.744 $\pm$ 0.000 χ^2 /NDF: 3861769727.5/26

Left Out: 0.624 $\pm$ 0.000 χ^2 /NDF: 400613435.2/24

Right Out: 0.749 $\pm$ 0.000 χ^2 /NDF: 4338703943.8/32

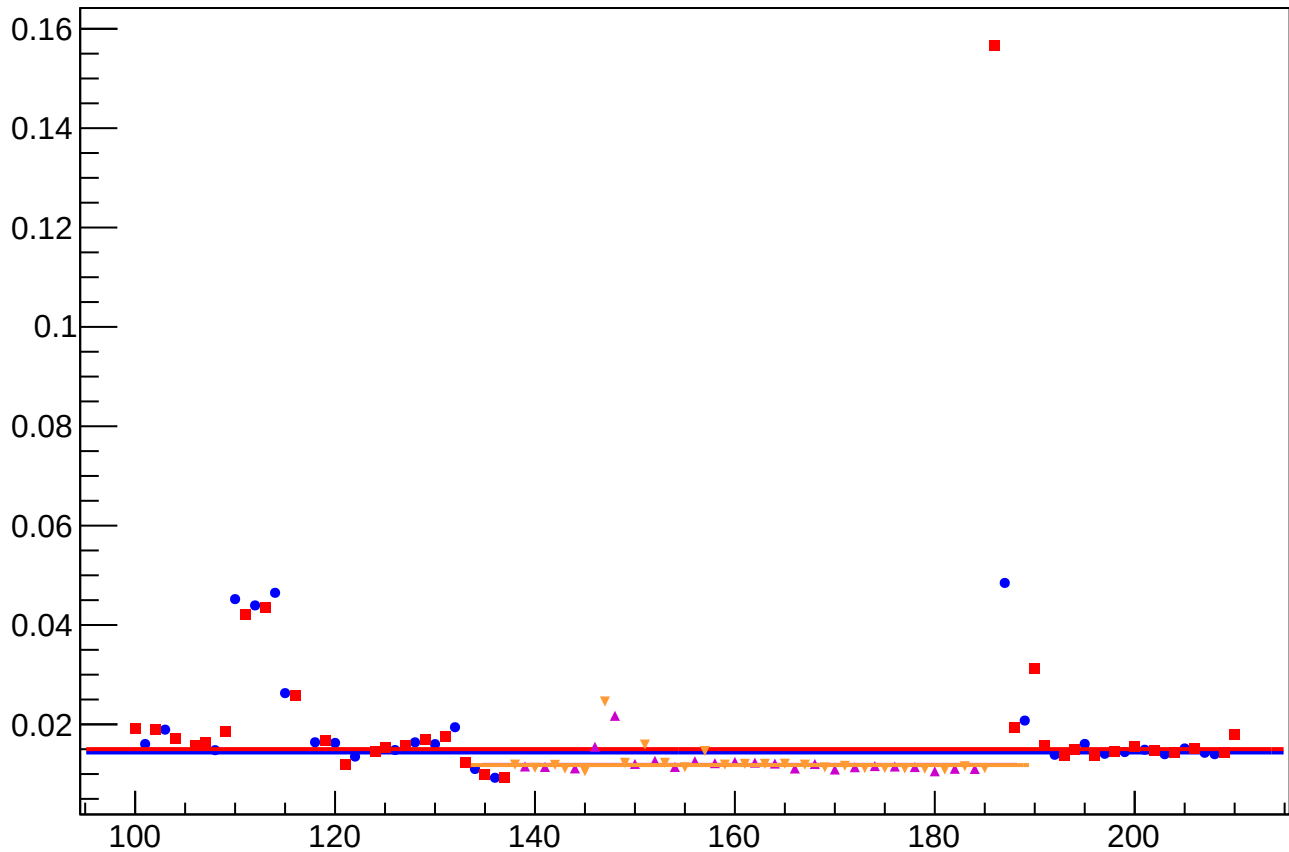
Left In: 0.617 $\pm$ 0.000 χ^2 /NDF: 646297442.3/22

+ sign 0.664 $\pm$ 0.000 χ^2 /NDF: 4910876899.6/51

All: 0.664 $\pm$ 0.000 χ^2 /NDF: 10678785364.2/100

- sign 0.665 $\pm$ 0.000 χ^2 /NDF: 5767906714.0/55

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1953718.5/26

Left Out: 0.012+/-0.000 χ^2/NDF : 673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2438057.5/32

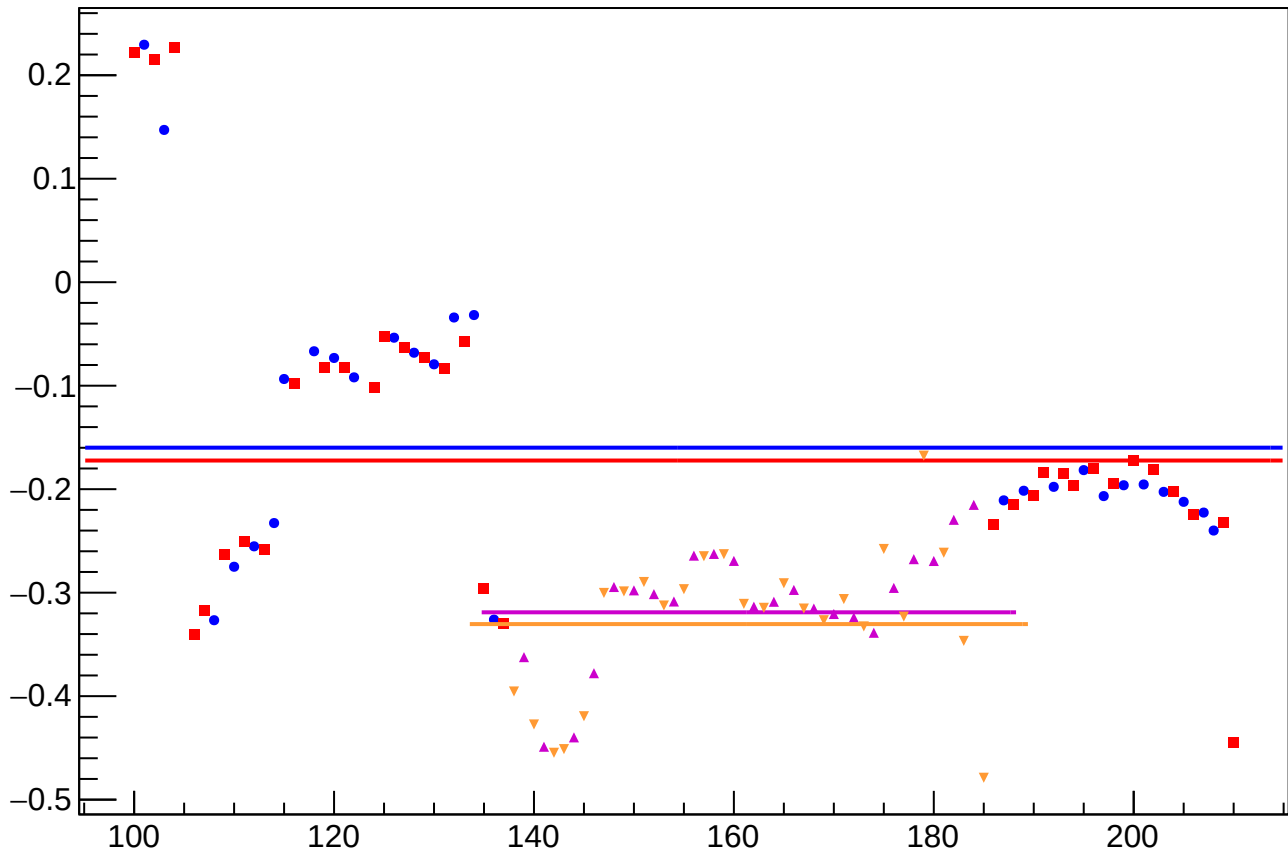
Left In: 0.012+/-0.000 χ^2/NDF : 508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF : 3203609.7/51

All: 0.013+/-0.000 χ^2/NDF : 7079957.8/107

- sign 0.013+/-0.000 χ^2/NDF : 3855448.5/55

yield_bpm4ecX_mean vs Slug



Right In: -0.160 ± 0.000 χ^2/NDF : 281311115.1/26

Left Out: -0.330 ± 0.000 χ^2/NDF : 182729419.2/24

+ sign -0.284 ± 0.000 χ^2/NDF : 827443248.4/51

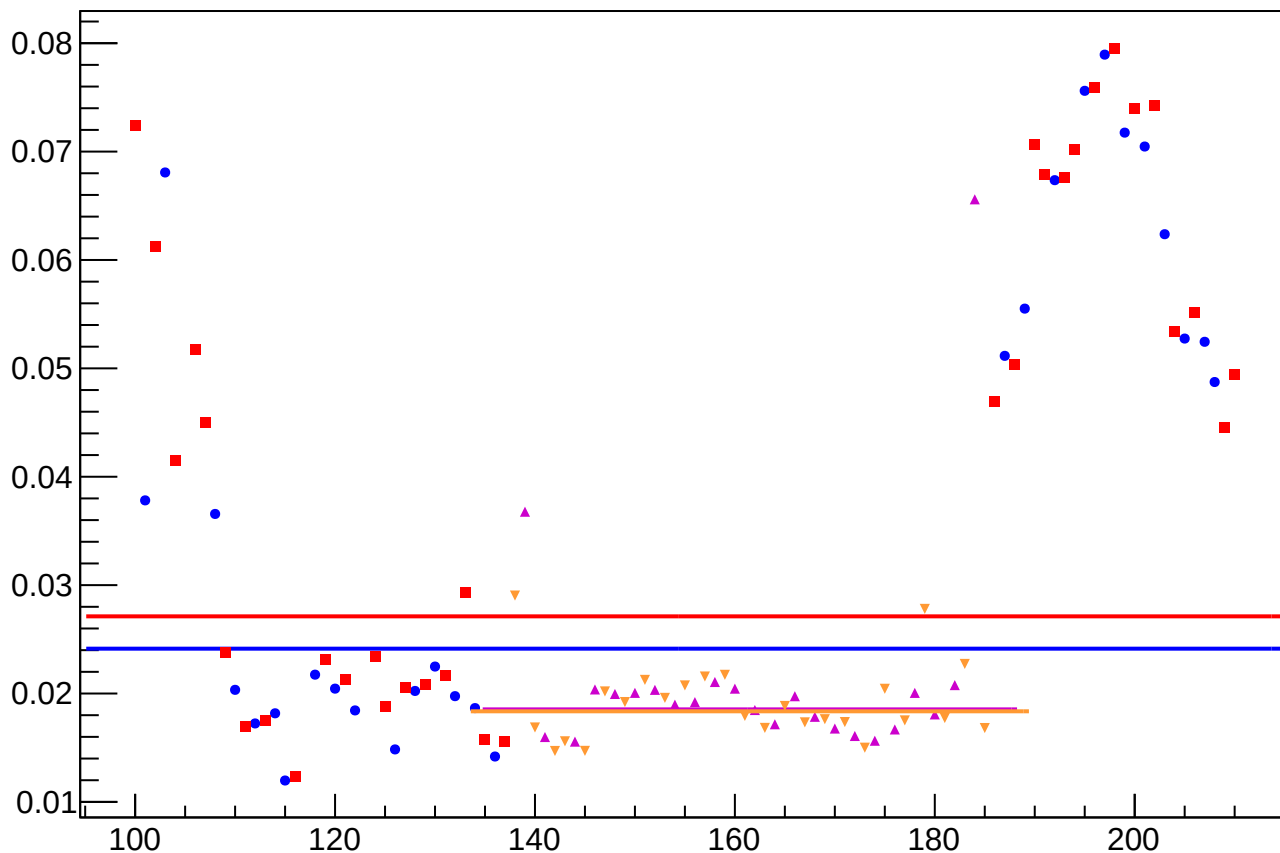
Right Out: -0.172 ± 0.000 χ^2/NDF : 226732160.3/32

All: -0.281 ± 0.000 χ^2/NDF : 1437769773.6/1

- sign -0.278 ± 0.000 χ^2/NDF : 609488947.7/55

Left In: -0.319 ± 0.000 χ^2/NDF : 130589173.8/22

yield_bpm4ecX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 8494003.6/26

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 737503.8/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 9218075.5/32

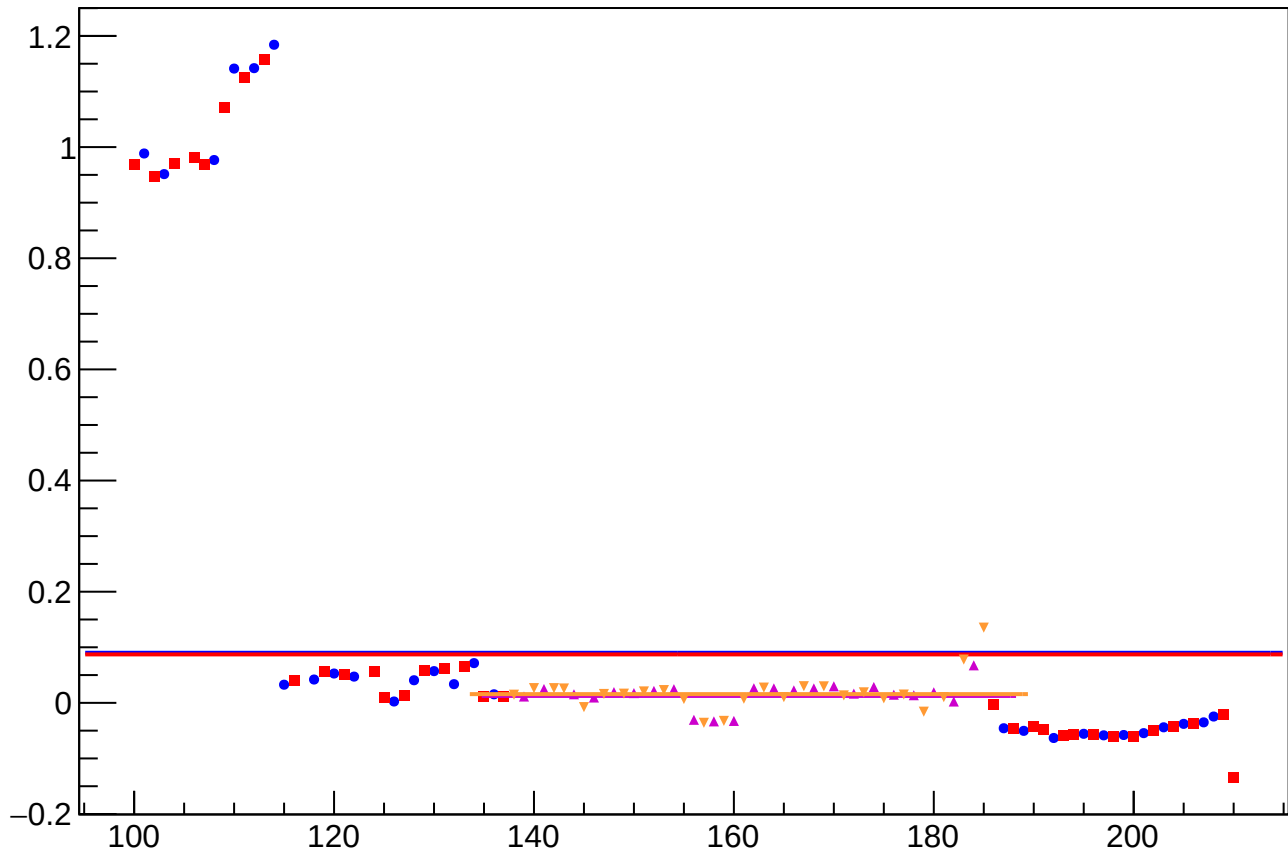
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 933807.9/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 10066509.4/51

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 22002327.0/107

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11878839.7/55

yield_bpm4ecY_mean vs Slug



Right In: 0.090+/-0.000 χ^2/NDF : 8375321547.9/26

Left Out: 0.016+/-0.000 χ^2/NDF :104485335.8/24

Right Out: 0.087+/-0.000 χ^2/NDF : 9320051909.0/32

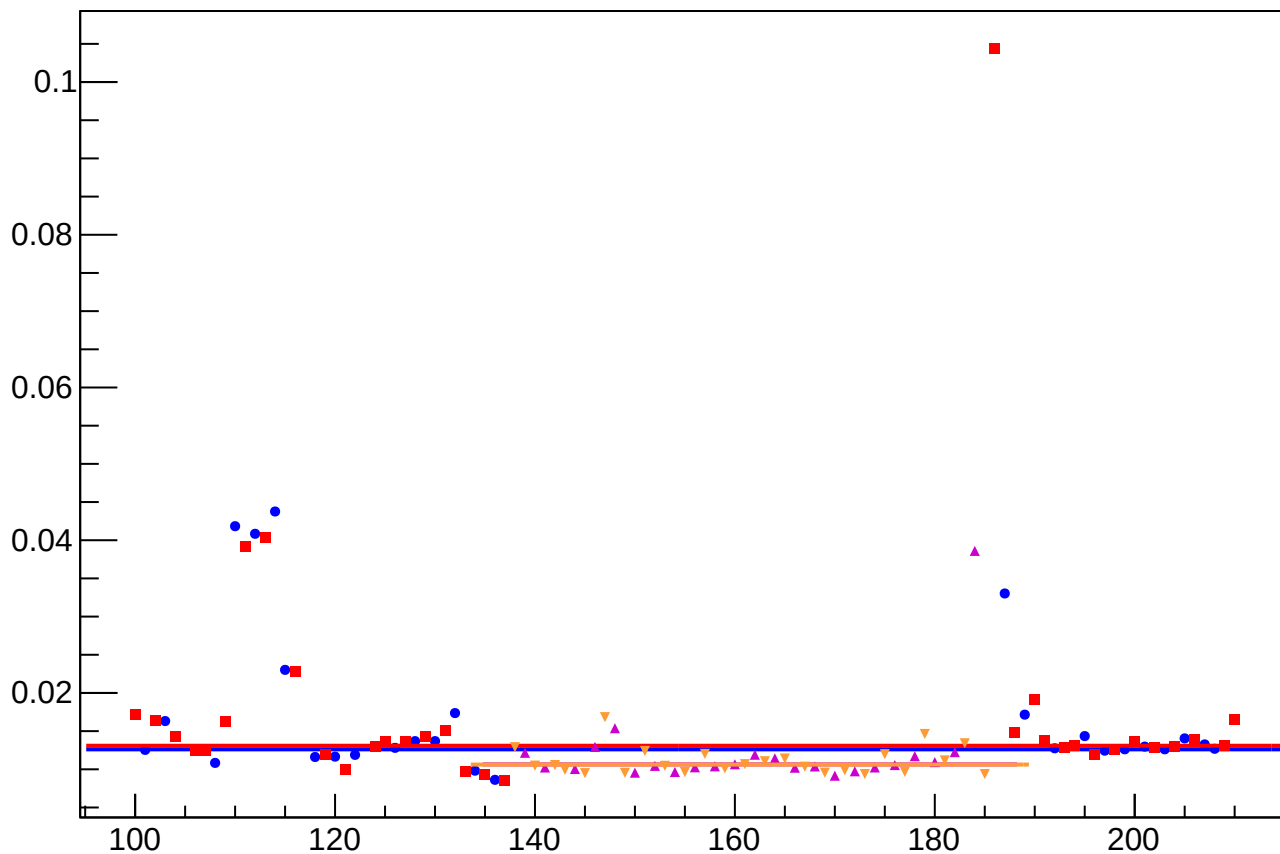
Left In: 0.012+/-0.000 χ^2/NDF :58674739.1/22

+ sign 0.042+/-0.000 χ^2/NDF : 8793617773.5/51

All: 0.042+/-0.000 χ^2/NDF : 18493265142.4/100

- sign 0.041+/-0.000 χ^2/NDF : 9699430243.5/55

yield_bpm4ecY_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 1755873.3/26

Left Out: 0.011 ± 0.000 χ^2/NDF : 622208.3/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 2192095.1/32

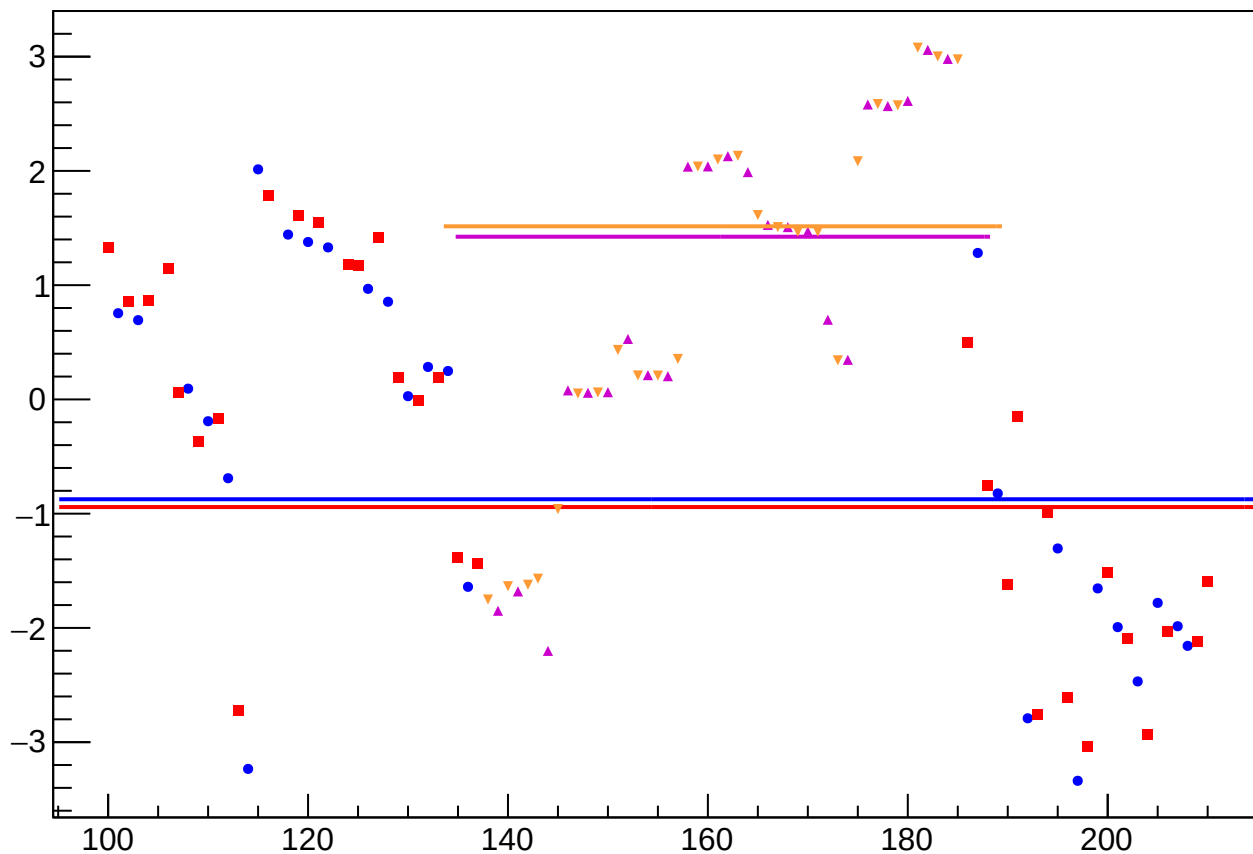
Left In: 0.011 ± 0.000 χ^2/NDF : 571950.9/22

+ sign 0.011 ± 0.000 χ^2/NDF : 2826905.8/51

All: 0.011 ± 0.000 χ^2/NDF : 6292280.2/107

- sign 0.012 ± 0.000 χ^2/NDF : 3451052.2/55

yield_bpm1X_mean vs Slug



Right In: -0.874 ± 0.000 χ^2/NDF : 8582008632.5/26

Left Out: 1.515 ± 0.000 χ^2/NDF : 67789388512.2/24

Right Out: -0.942 ± 0.000 χ^2/NDF : 9638155872.7/32

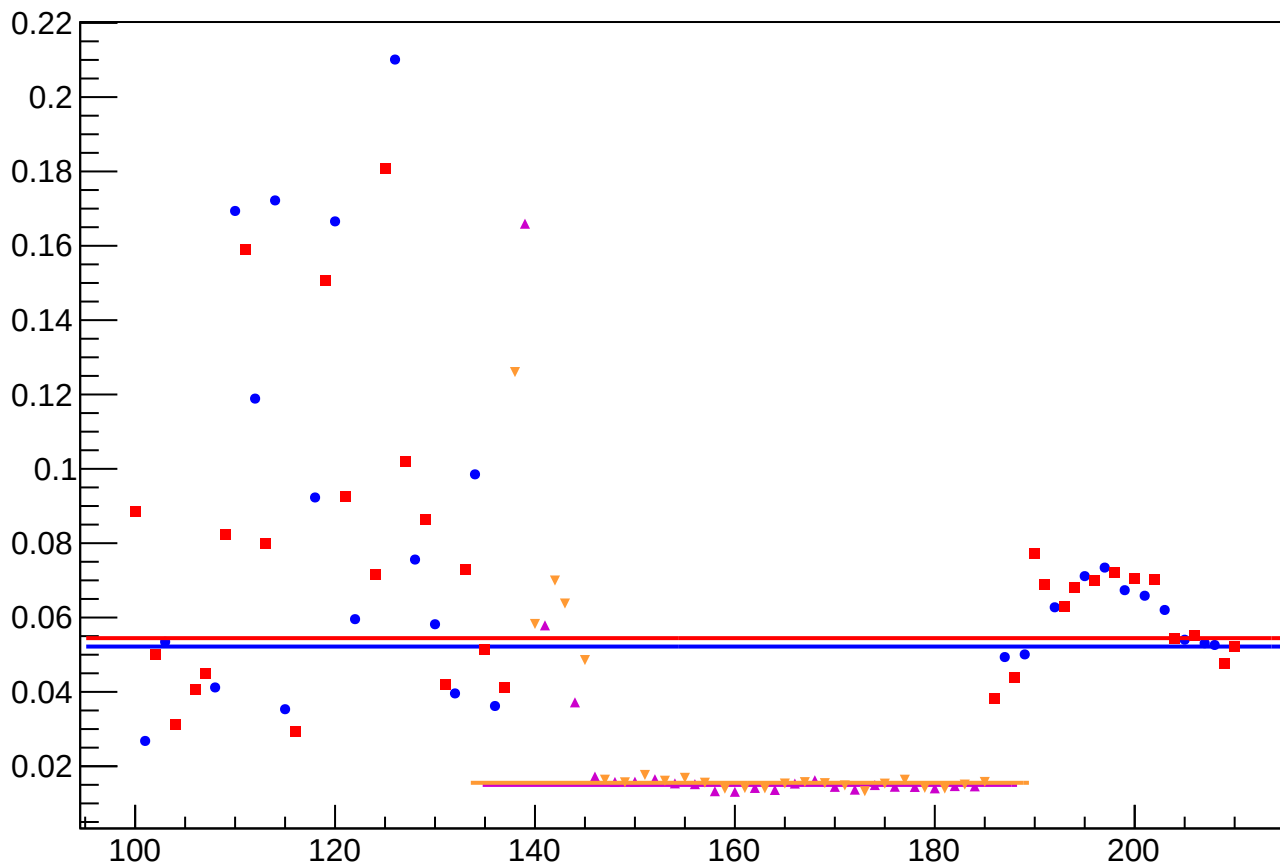
Left In: 1.424 ± 0.000 χ^2/NDF : 68046262594.0/22

+ sign 1.359 ± 0.000 χ^2/NDF : 98931182071.6/51

All: 1.307 ± 0.000 χ^2/NDF : 201561804195.3

- sign 1.257 ± 0.000 χ^2/NDF : 102283662881.0/55

yield_bpm1X_rms vs Slug



Right In: 0.052 ± 0.000 χ^2/NDF : 3553767.2/26

Left Out: 0.016 ± 0.000 χ^2/NDF : 2984313.0/24

Right Out: 0.054 ± 0.000 χ^2/NDF : 3183835.9/32

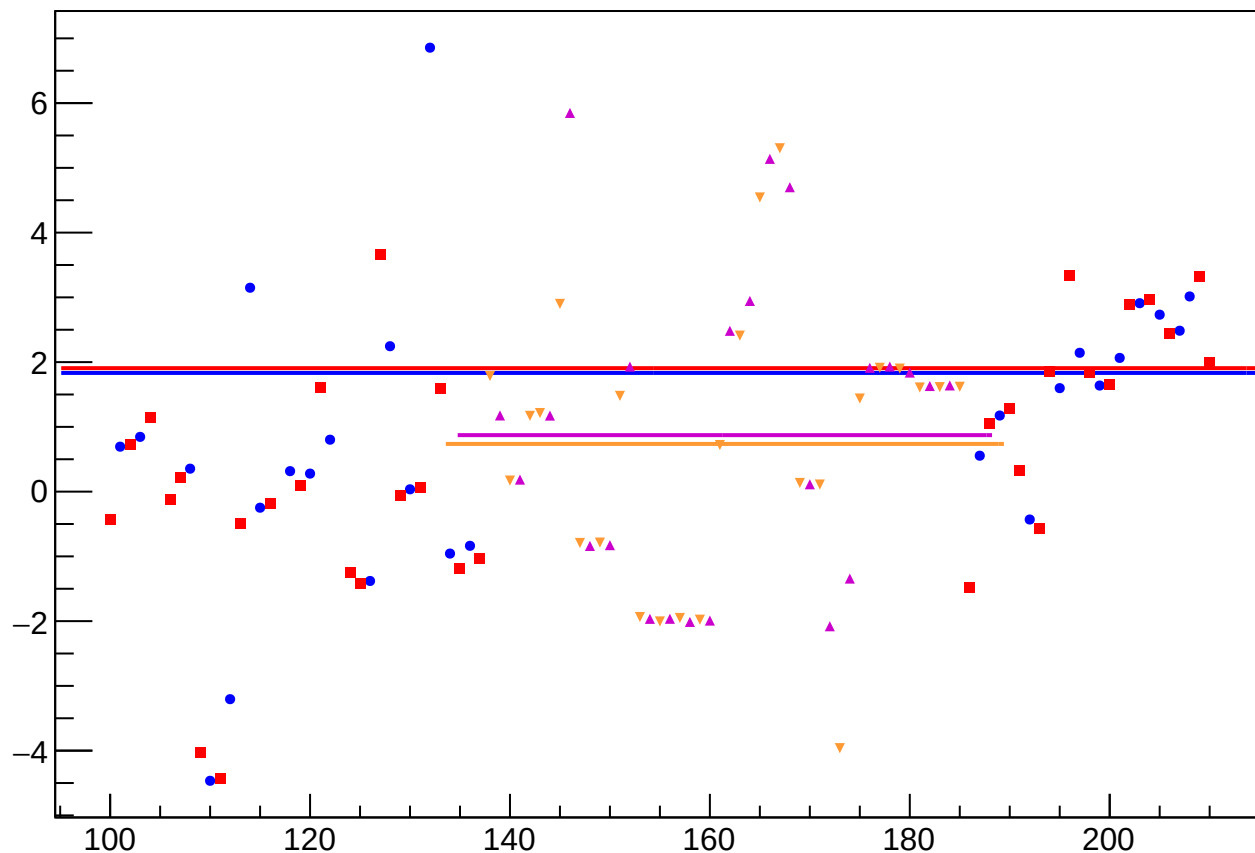
Left In: 0.015 ± 0.000 χ^2/NDF : 2182916.7/22

+ sign 0.018 ± 0.000 χ^2/NDF : 17156481.9/51

All: 0.018 ± 0.000 χ^2/NDF : 36223506.2/107

- sign 0.018 ± 0.000 χ^2/NDF : 19065187.9/55

yield_bpm1Y_mean vs Slug



Right In: 1.833 $\pm$ 0.000 χ^2 /NDF: 38703790279.6/26

Left Out: 0.737 $\pm$ 0.000 χ^2 /NDF: 535962480112.3/24

Right Out: 1.907 $\pm$ 0.000 χ^2 /NDF: 44556494798.7/32

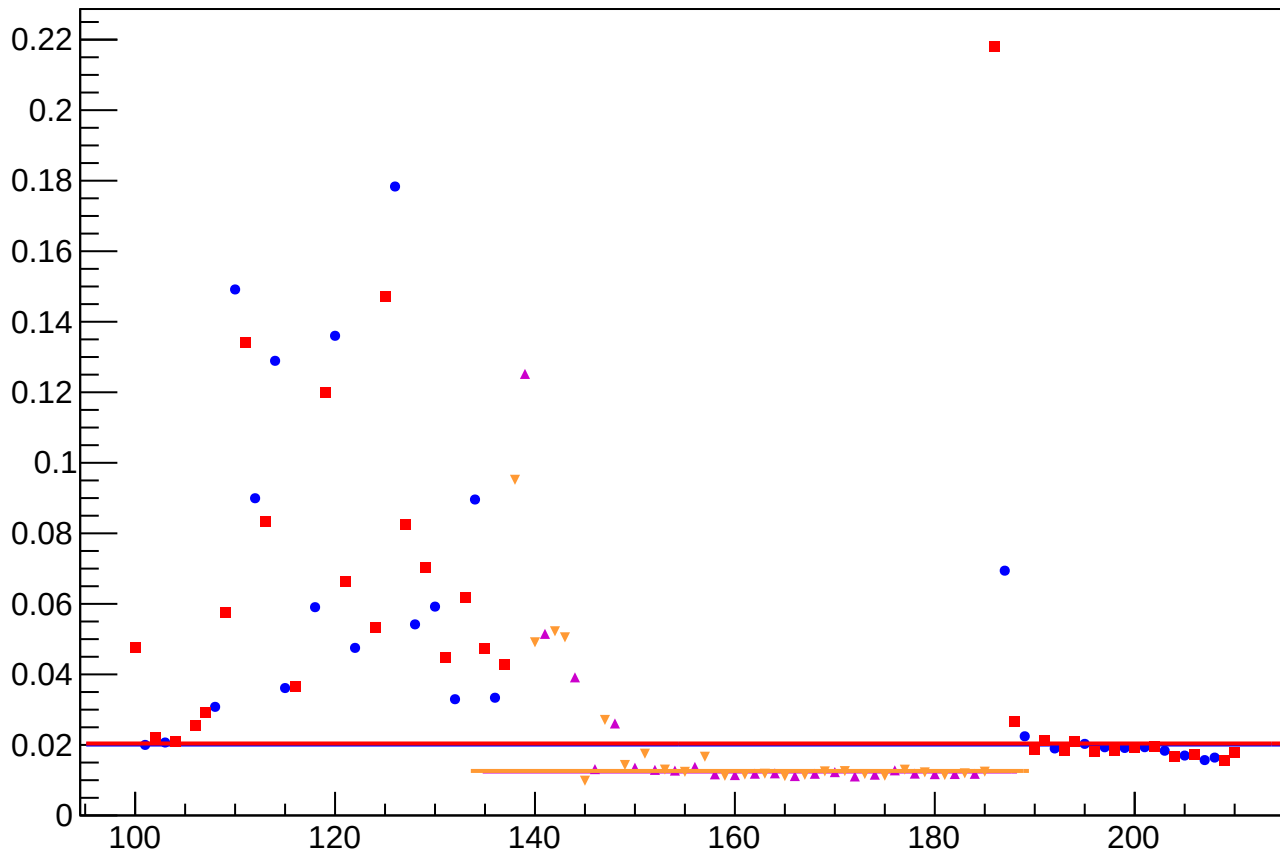
Left In: 0.872 $\pm$ 0.000 χ^2 /NDF: 620161319368.2/22

+ sign 0.964 $\pm$ 0.000 χ^2 /NDF: 599409590052.0/51

All: 1.038 $\pm$ 0.000 χ^2 /NDF: 1289869372654.

- sign 1.110 $\pm$ 0.000 χ^2 /NDF: 689098818723.8/55

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 4394798.7/26

Left Out: 0.013+/-0.000 χ^2/NDF : 3191407.4/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5525427.3/32

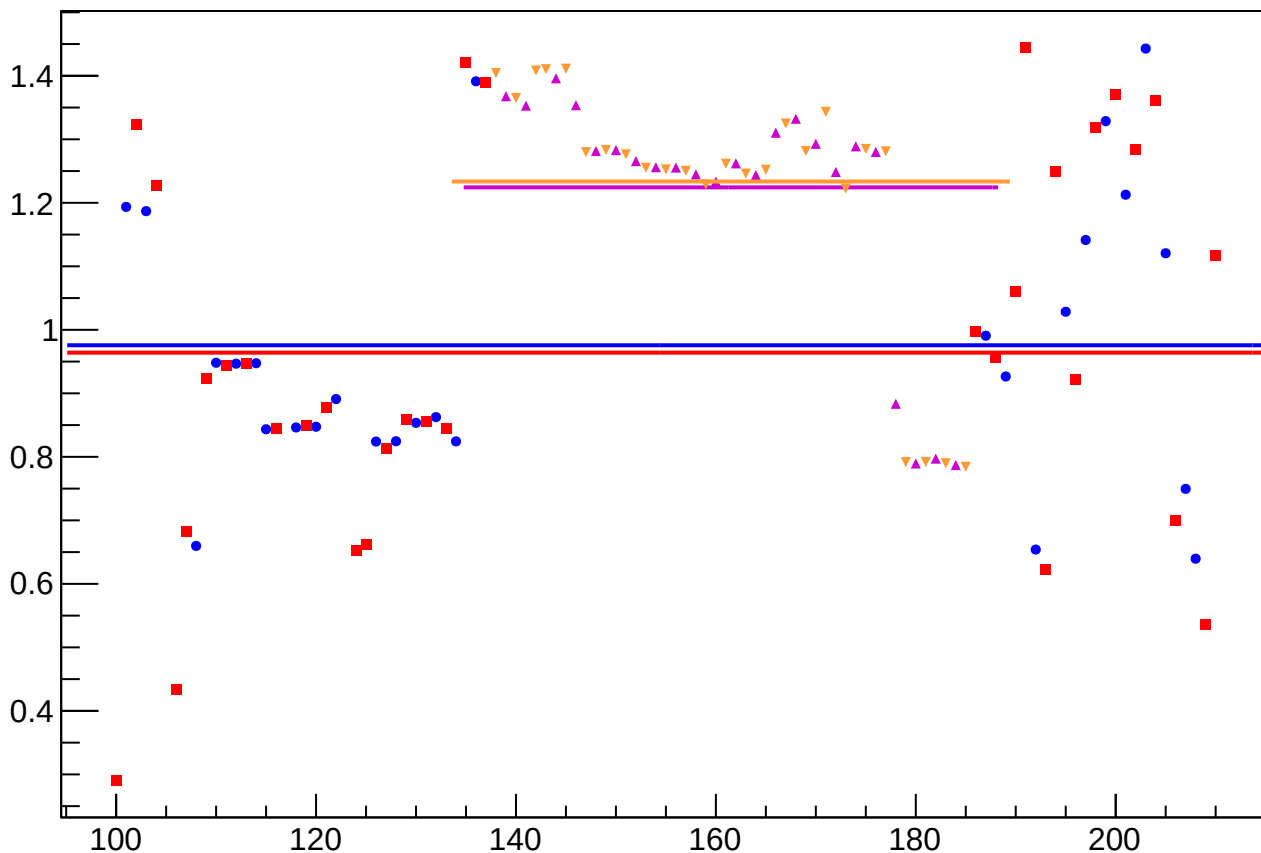
Left In: 0.012+/-0.000 χ^2/NDF : 2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF : 9891087.8/51

All: 0.014+/-0.000 χ^2/NDF : 21057071.5/107

- sign 0.014+/-0.000 χ^2/NDF : 11164403.9/55

yield_bpm11X_mean vs Slug



Right In: 0.976 $\pm$ 0.000 χ^2 /NDF: 1971512295.7/26

Left Out: 1.234 $\pm$ 0.000 χ^2 /NDF:3043934887.1/24

Right Out: 0.964 $\pm$ 0.000 χ^2 /NDF: 2446682208.5/32

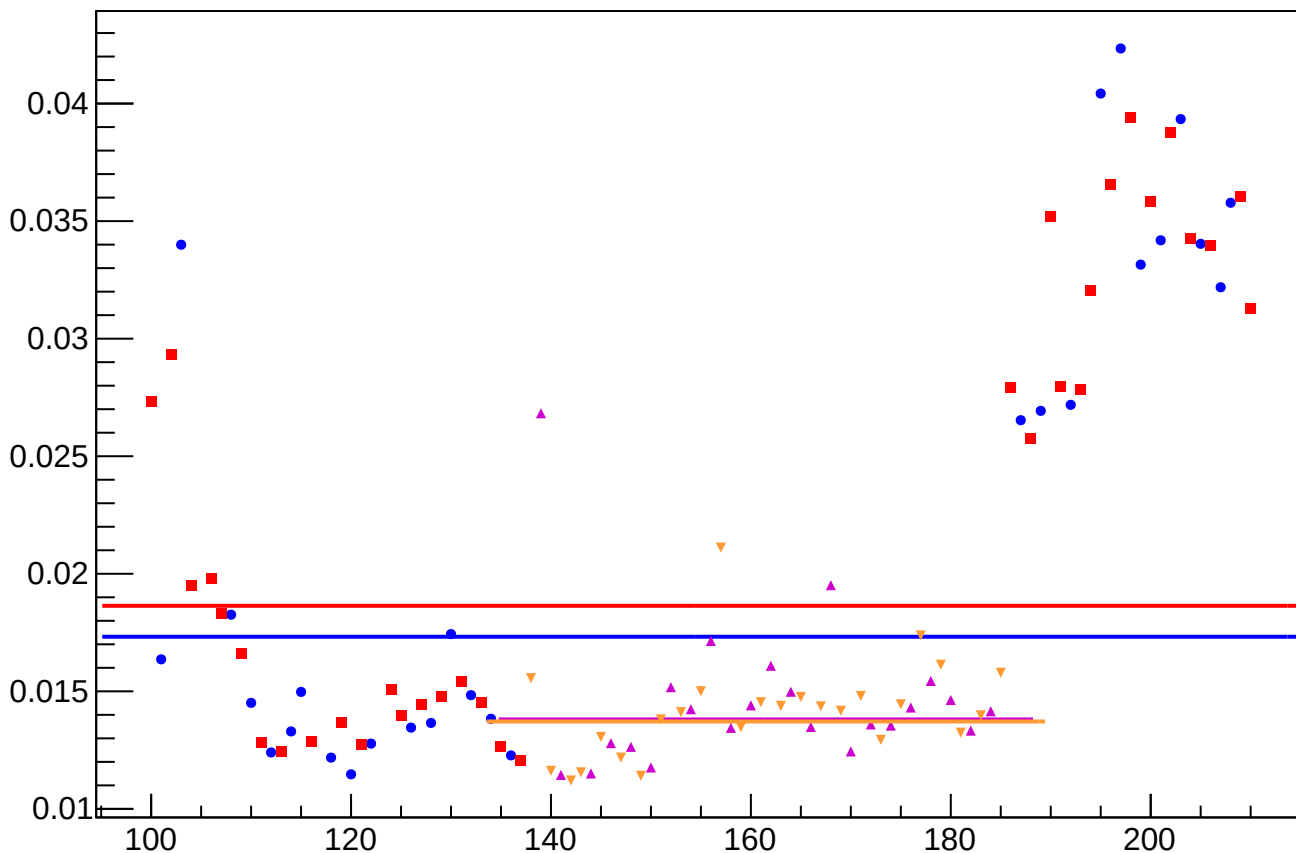
Left In: 1.224 $\pm$ 0.000 χ^2 /NDF:2653773297.1/22

+ sign 1.155 $\pm$ 0.000 χ^2 /NDF: 6841381218.5/51

All: 1.148 $\pm$ 0.000 χ^2 /NDF: 13792194188.6/100

- sign 1.141 $\pm$ 0.000 χ^2 /NDF: 6939079791.1/55

yield_bpm11X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2/NDF : 5230958.0/26

Left Out: 0.014 $\pm$ 0.000 χ^2/NDF : 550789.3/24

Right Out: 0.019 $\pm$ 0.000 χ^2/NDF : 5379287.0/32

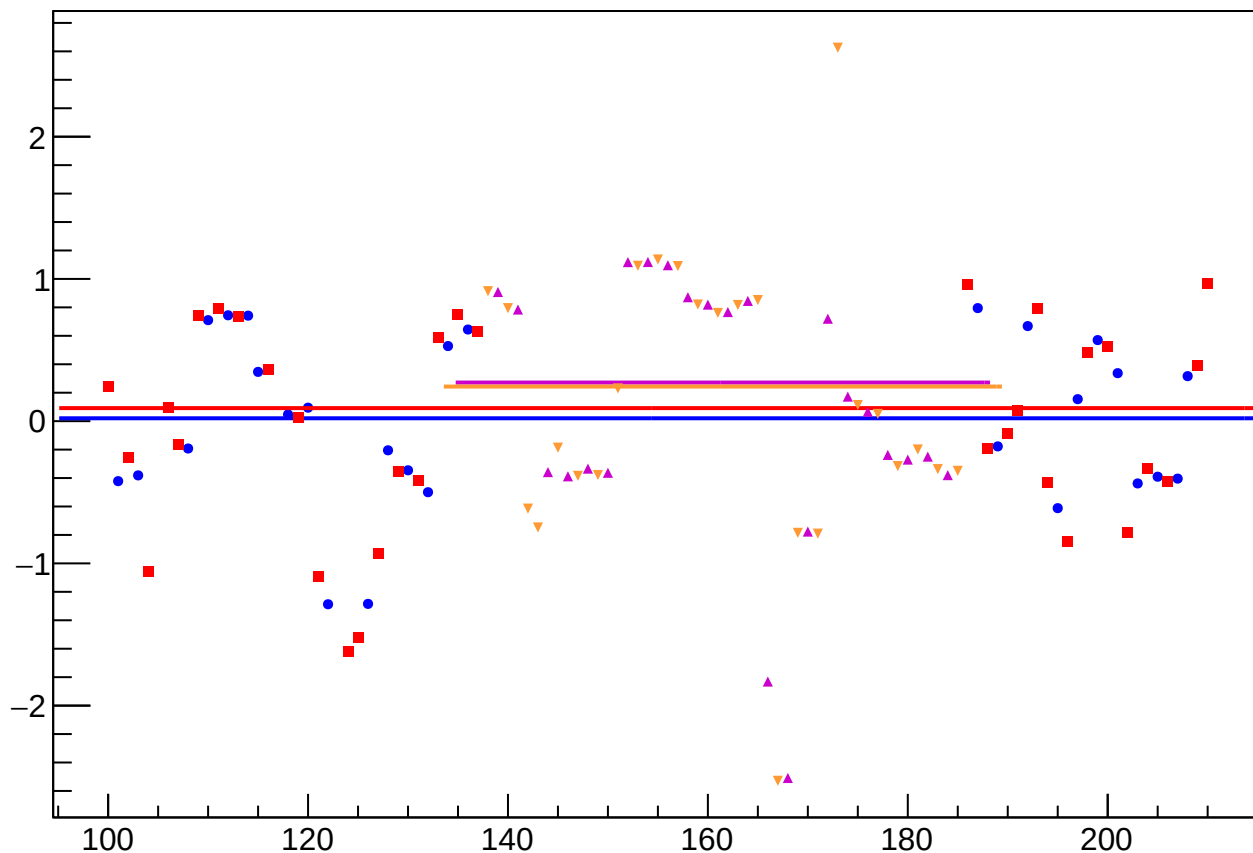
Left In: 0.014 $\pm$ 0.000 χ^2/NDF : 870104.2/22

+ sign 0.015 $\pm$ 0.000 χ^2/NDF : 6495364.5/51

All: 0.015 $\pm$ 0.000 χ^2/NDF : 14048898.3/107

- sign 0.015 $\pm$ 0.000 χ^2/NDF : 7517964.4/55

yield_bpm11Y_mean vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 24786479371.2/26

Left Out: 0.243 $\pm$ 0.000 χ^2 /NDF:105591710525.9/24

Right Out: 0.092 $\pm$ 0.000 χ^2 /NDF: 44629410450.6/32

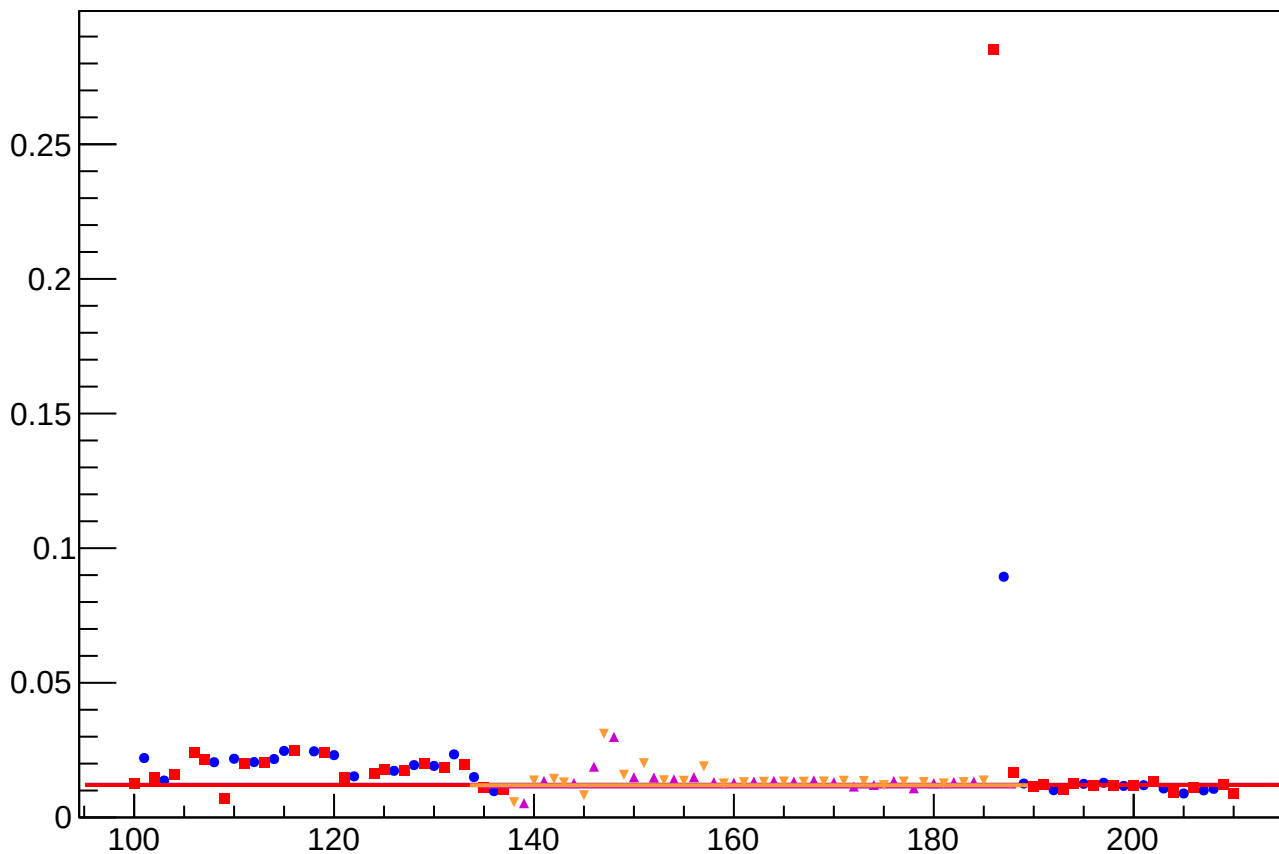
Left In: 0.271 $\pm$ 0.000 χ^2 /NDF:90500933388.6/22

+ sign 0.147 $\pm$ 0.000 χ^2 /NDF: 132894081054.9/51

All: 0.169 $\pm$ 0.000 χ^2 /NDF: 269957158498.1

- sign 0.189 $\pm$ 0.000 χ^2 /NDF: 136881870921.8/55

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2538790.8/26

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3266034.8/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 3128340.2/32

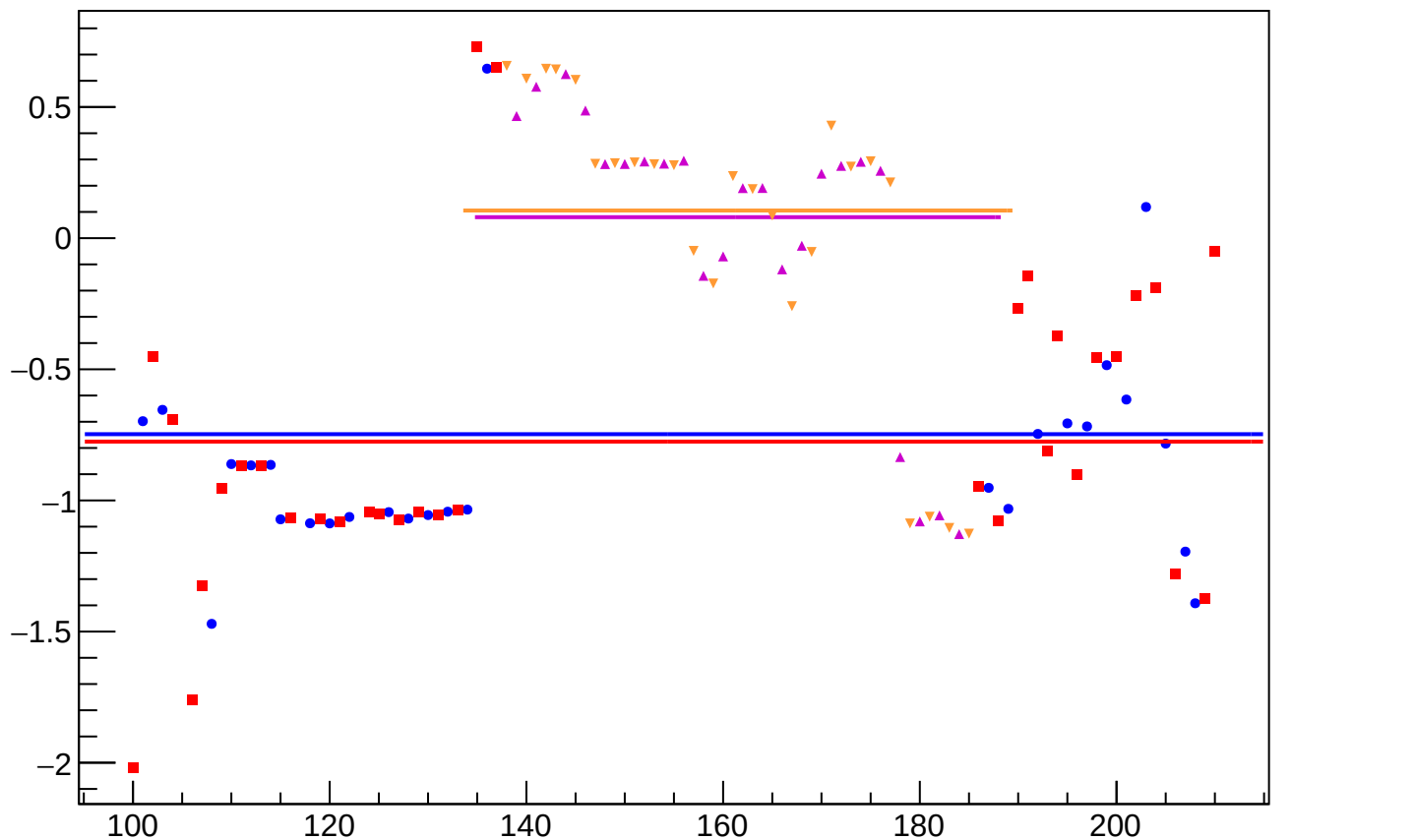
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:3671096.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5808235.9/51

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 12658237.9/107

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 6832744.6/55

yield_bpm12X_mean vs Slug



Right In: -0.747 ± 0.000 $\chi^2/\text{NDF}: 2238255598.3/26$

Left Out: 0.105 ± 0.000 $\chi^2/\text{NDF}: 3787188881.7/24$

Right Out: -0.776 ± 0.000 $\chi^2/\text{NDF}: 2212772082.3/32$

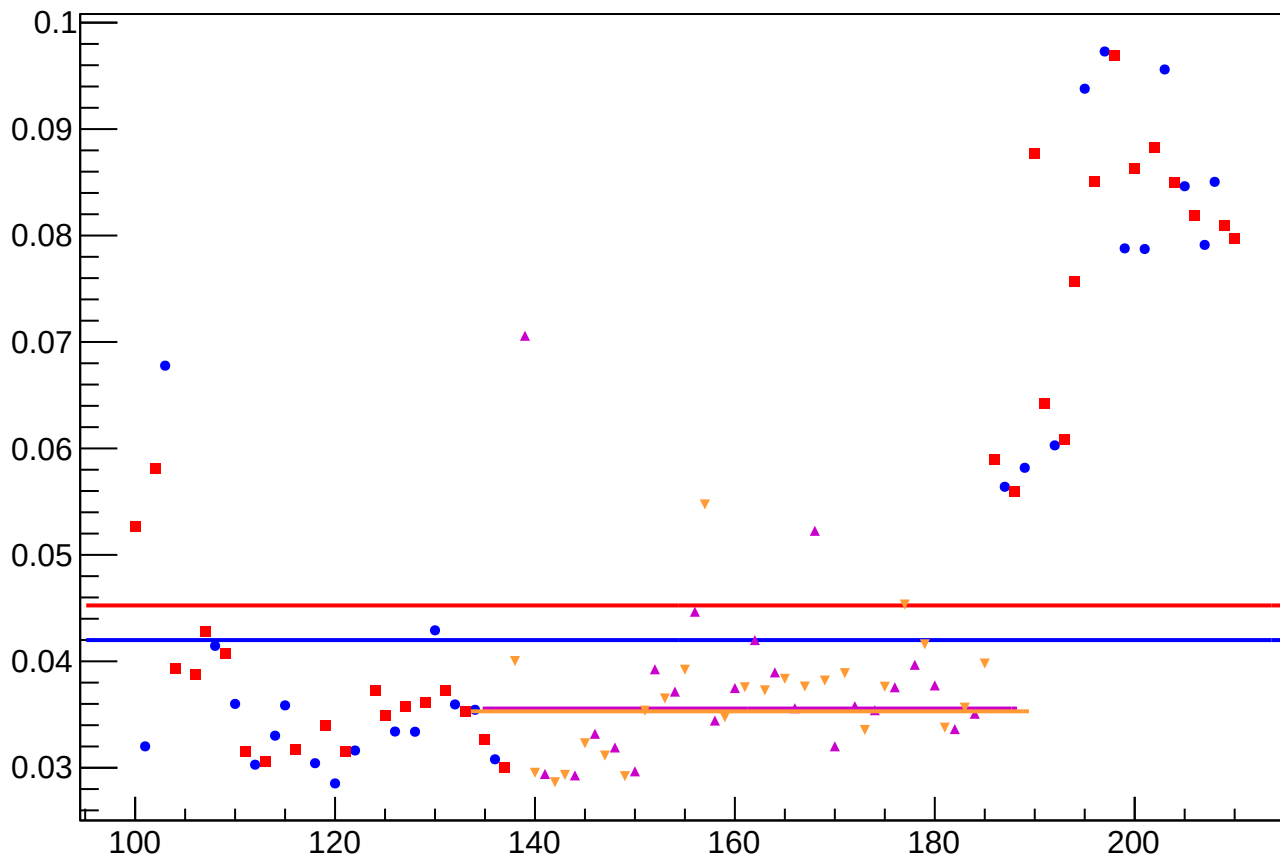
Left In: 0.080 ± 0.000 $\chi^2/\text{NDF}: 3269598614.0/22$

+ sign -0.183 ± 0.000 $\chi^2/\text{NDF}: 9345134522.2/51$

All: -0.202 ± 0.000 $\chi^2/\text{NDF}: 18128616763.8/100$

- sign -0.222 ± 0.000 $\chi^2/\text{NDF}: 8768478757.3/55$

yield_bpm12X_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 4860838.3/26

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:612627.1/24

Right Out: 0.045 $\pm$ 0.000 χ^2 /NDF: 4869369.5/32

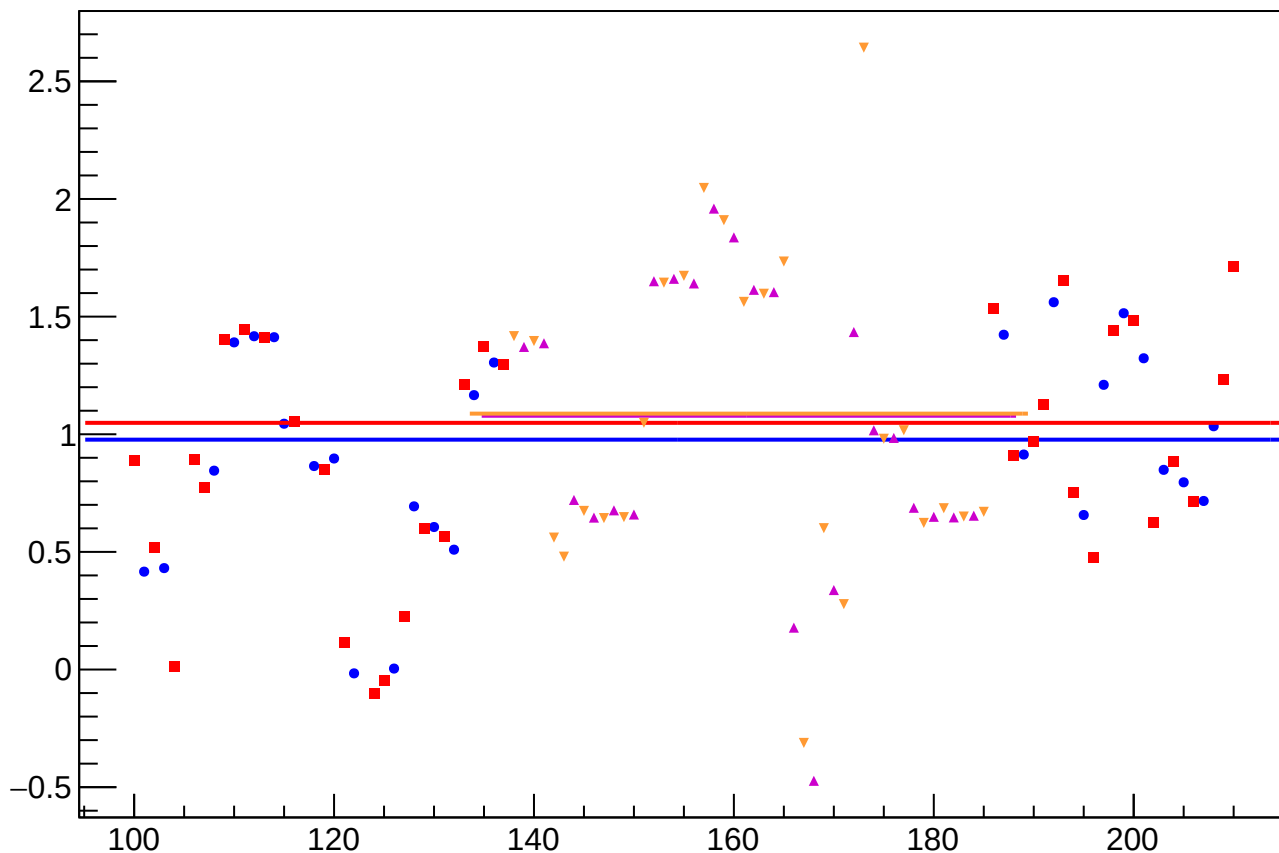
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:960383.5/22

+ sign 0.038 $\pm$ 0.000 χ^2 /NDF: 5882354.5/51

All: 0.038 $\pm$ 0.000 χ^2 /NDF: 12594308.1/107

- sign 0.039 $\pm$ 0.000 χ^2 /NDF: 6672009.8/55

yield_bpm12Y_mean vs Slug



Right In: 0.977 $\pm$ 0.000 χ^2 /NDF: 29182272512.5/26

Left Out: 1.088 $\pm$ 0.000 χ^2 /NDF: 93851056436.3/24

Right Out: 1.049 $\pm$ 0.000 χ^2 /NDF: 49694492389.9/32

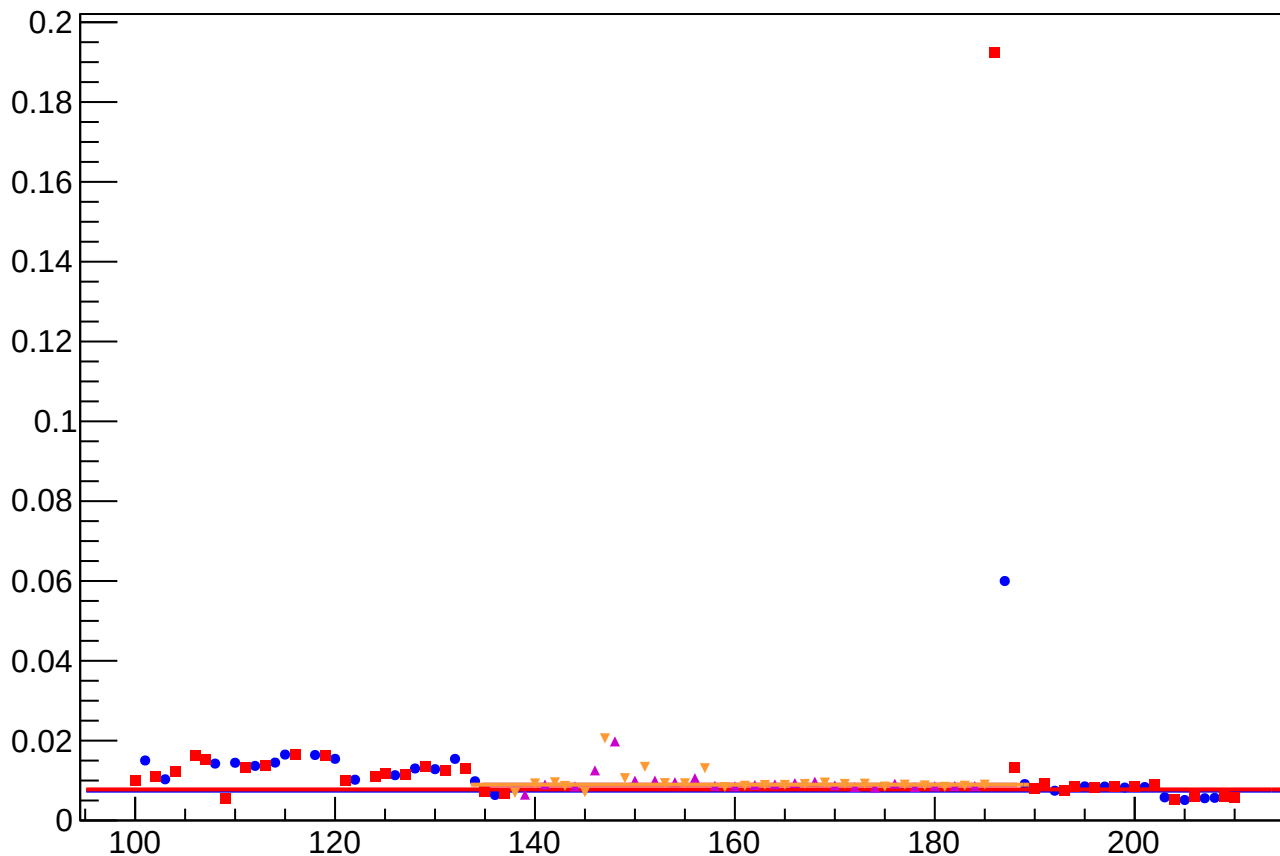
Left In: 1.079 $\pm$ 0.000 χ^2 /NDF: 74081002727.0/22

+ sign 1.031 $\pm$ 0.000 χ^2 /NDF: 124429853883.4/51

All: 1.047 $\pm$ 0.000 χ^2 /NDF: 248529683187.2

- sign 1.063 $\pm$ 0.000 χ^2 /NDF: 123878868375.4/55

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 3500818.4/26

Left Out: 0.009+/-0.000 χ^2/NDF :1146497.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3843515.7/32

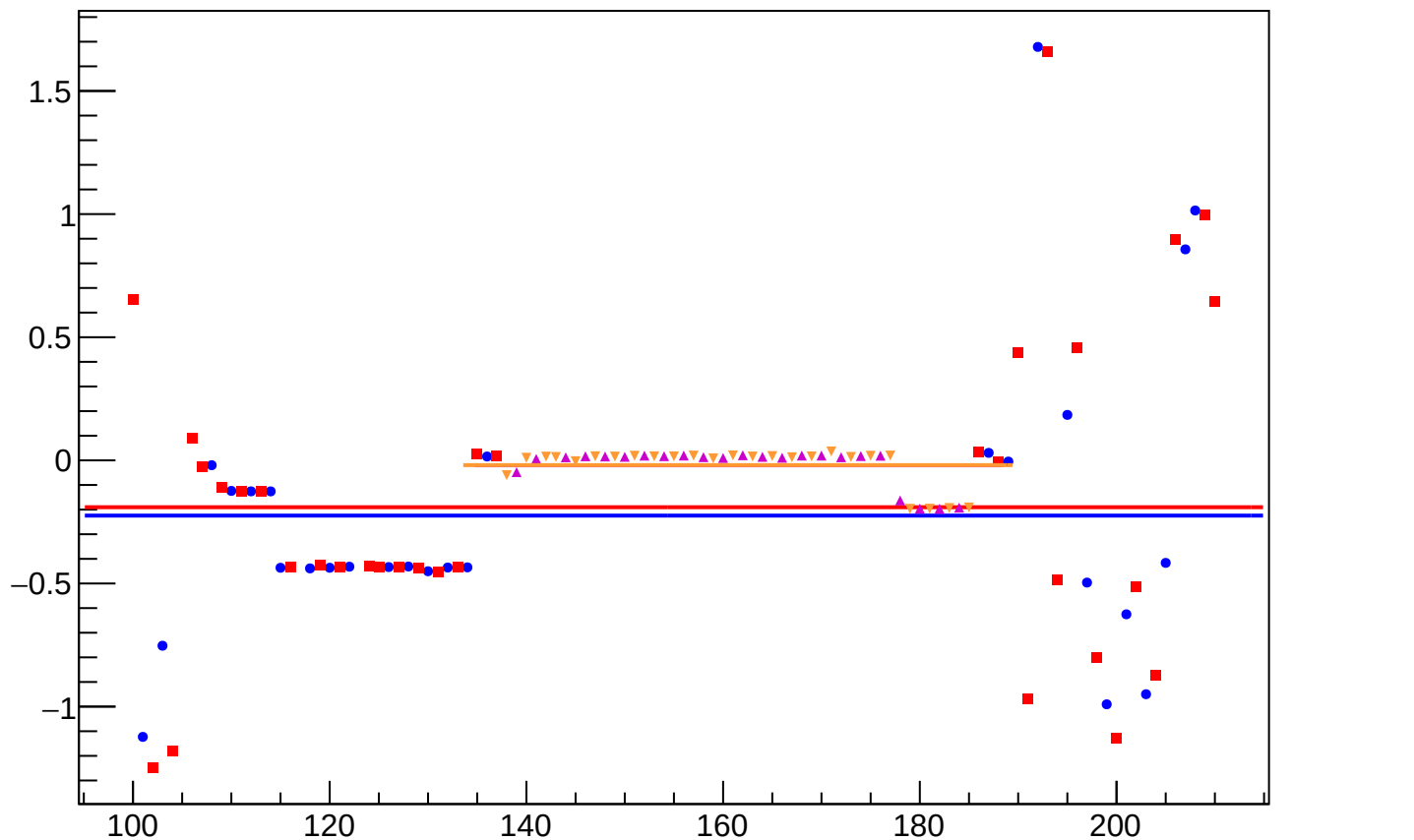
Left In: 0.009+/-0.000 χ^2/NDF :966765.2/22

+ sign 0.008+/-0.000 χ^2/NDF : 5165053.8/51

All: 0.008+/-0.000 χ^2/NDF : 10296038.5/107

- sign 0.008+/-0.000 χ^2/NDF : 5125492.9/55

yield_bpm16X_mean vs Slug



Right In: -0.224 ± 0.000 χ^2/NDF : 4408857336.0/26

Left Out: -0.019 ± 0.000 χ^2/NDF : 1058597672.8/24

Right Out: -0.190 ± 0.000 χ^2/NDF : 4546424758.7/32

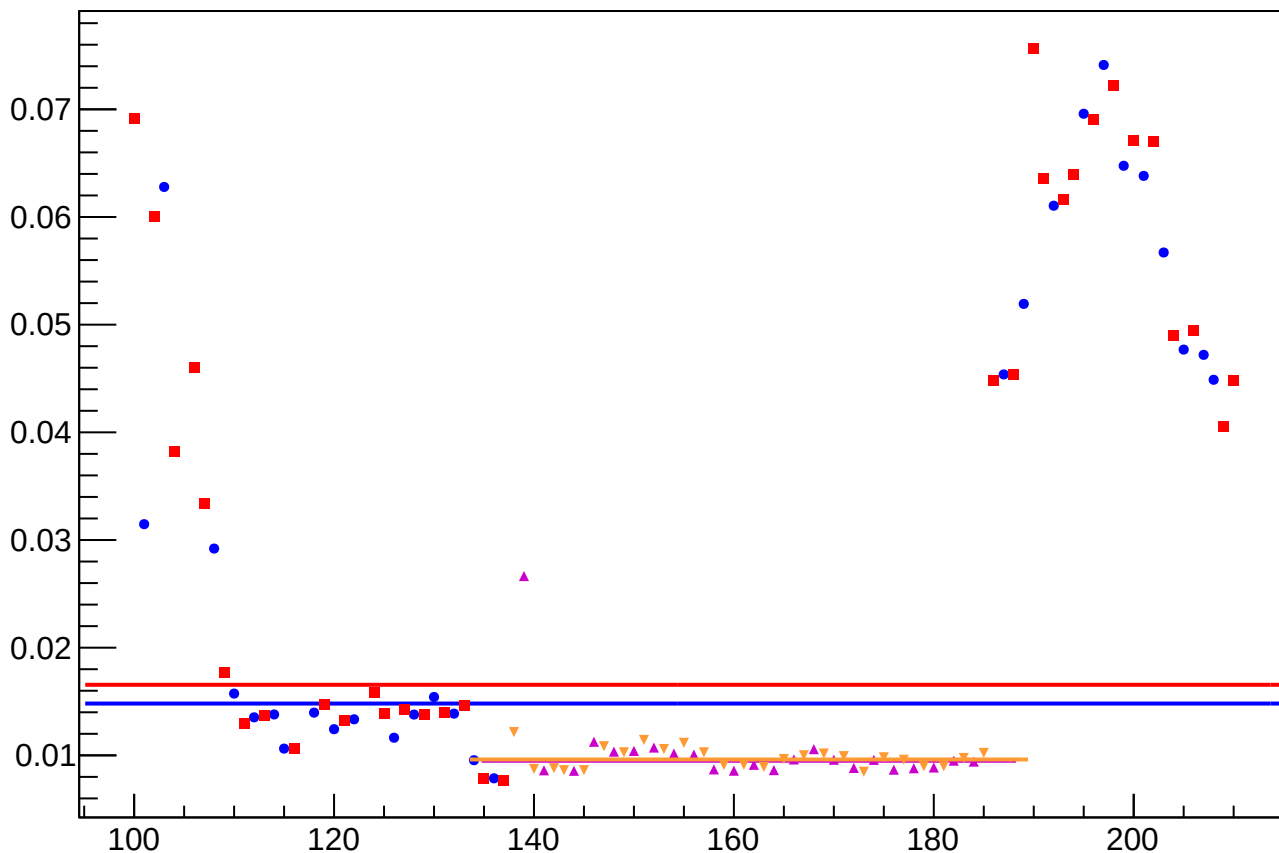
Left In: -0.020 ± 0.000 χ^2/NDF : 984483299.5/22

+ sign -0.056 ± 0.000 χ^2/NDF : 6787122067.8/51

All: -0.053 ± 0.000 χ^2/NDF : 13166274186.1/100

- sign -0.049 ± 0.000 χ^2/NDF : 6375206964.6/55

yield_bpm16X_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 11503332.4/26

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 271912.7/24

Right Out: 0.017 $\pm$ 0.000 χ^2/NDF : 1326520.1/32

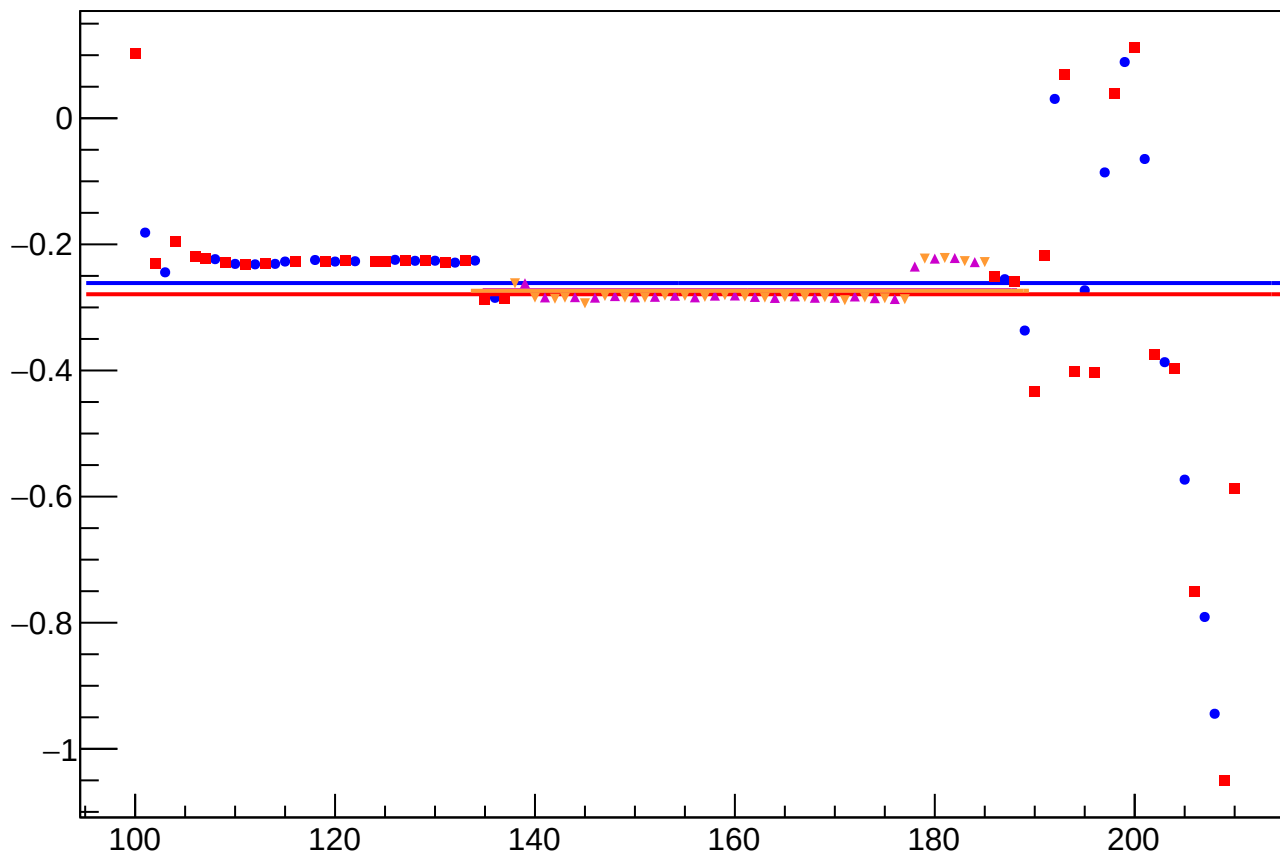
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 900469.0/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 13469884.4/51

All: 0.011 $\pm$ 0.000 χ^2/NDF : 30544374.0/107

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 17067634.5/55

yield_bpm16Y_mean vs Slug



Right In: -0.261+/-0.000 χ^2/NDF : 24342635149.0/26

Left Out: -0.274+/-0.000 χ^2/NDF : 395563277.1/24

Right Out: -0.279+/-0.000 χ^2/NDF : 27267694887.4/32

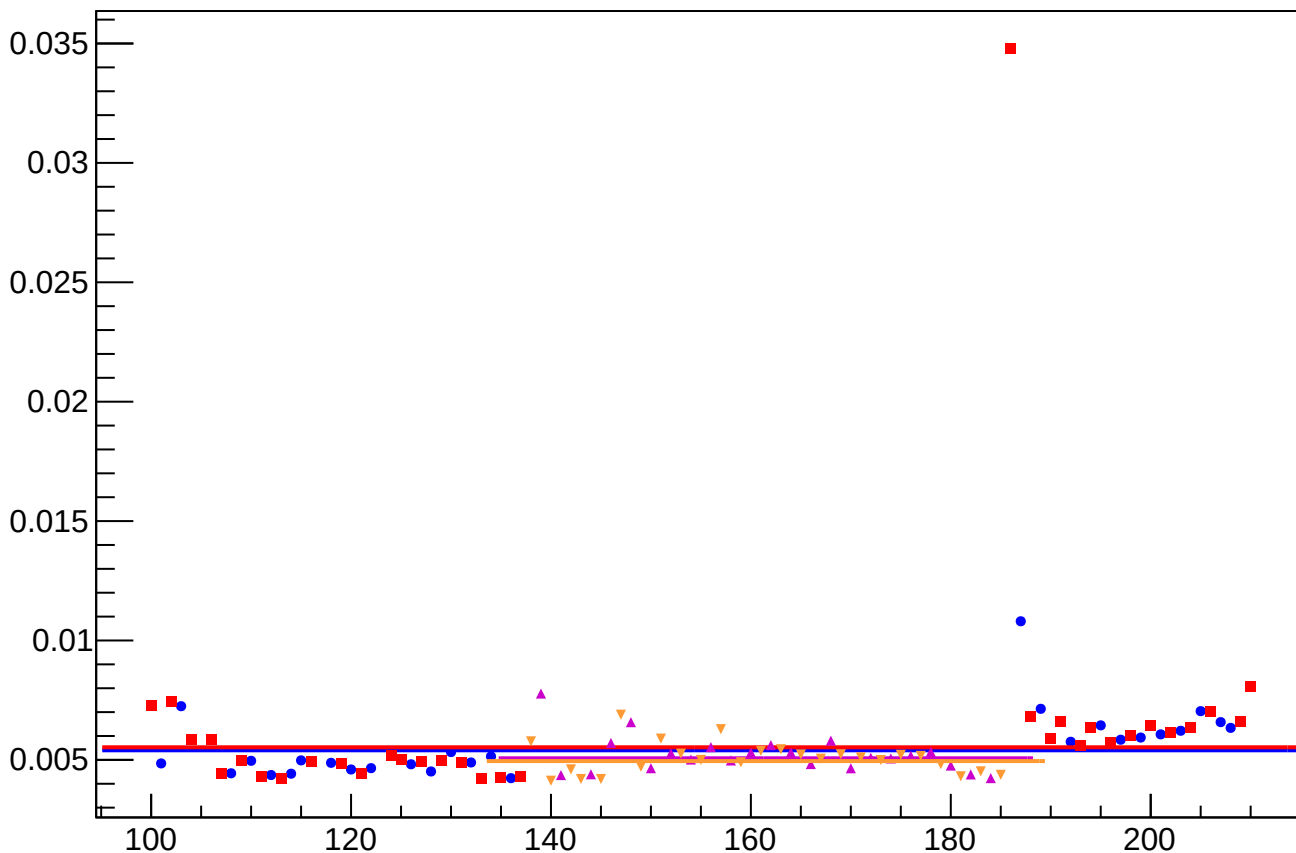
Left In: -0.273+/-0.000 χ^2/NDF : 335149425.2/22

+ sign -0.269+/-0.000 χ^2/NDF : 24781769801.4/51

All: -0.272+/-0.000 χ^2/NDF : 52425081021.4/

- sign -0.275+/-0.000 χ^2/NDF : 27615237456.6/55

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 867992.7/26

Left Out: 0.005+/-0.000 χ^2/NDF : 528766.8/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1624569.8/32

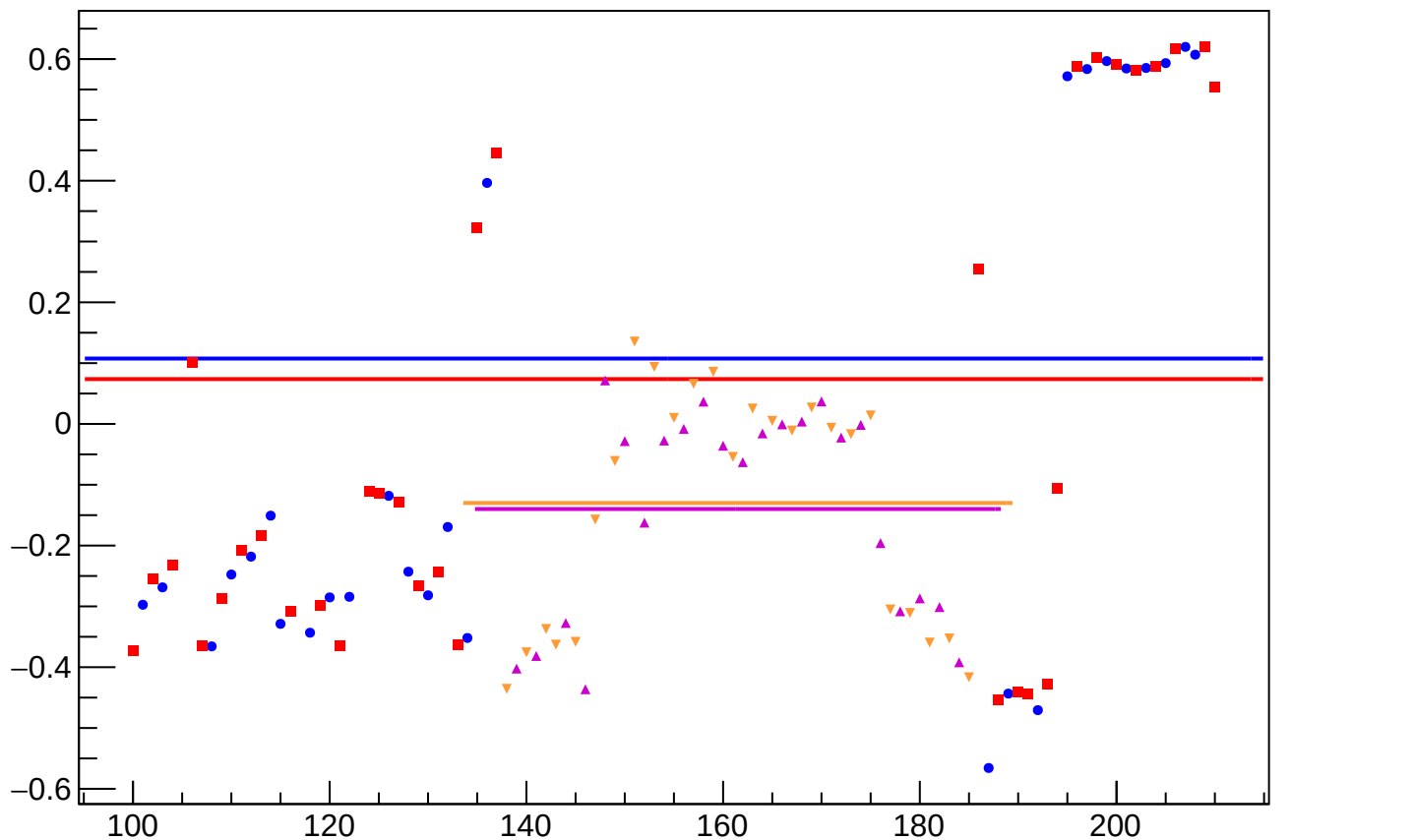
Left In: 0.005+/-0.000 χ^2/NDF : 539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 1516554.1/51

All: 0.005+/-0.000 χ^2/NDF : 3829253.3/107

- sign 0.005+/-0.000 χ^2/NDF : 2288989.0/55

yield_bpm0i02X_mean vs Slug



Right In: 0.108 $\pm$ 0.000 χ^2 /NDF: 65184652037.3/26

Left Out: -0.130 $\pm$ 0.000 χ^2 /NDF: 21496239338.5/24

Right Out: 0.074 $\pm$ 0.000 χ^2 /NDF: 69027876540.9/32

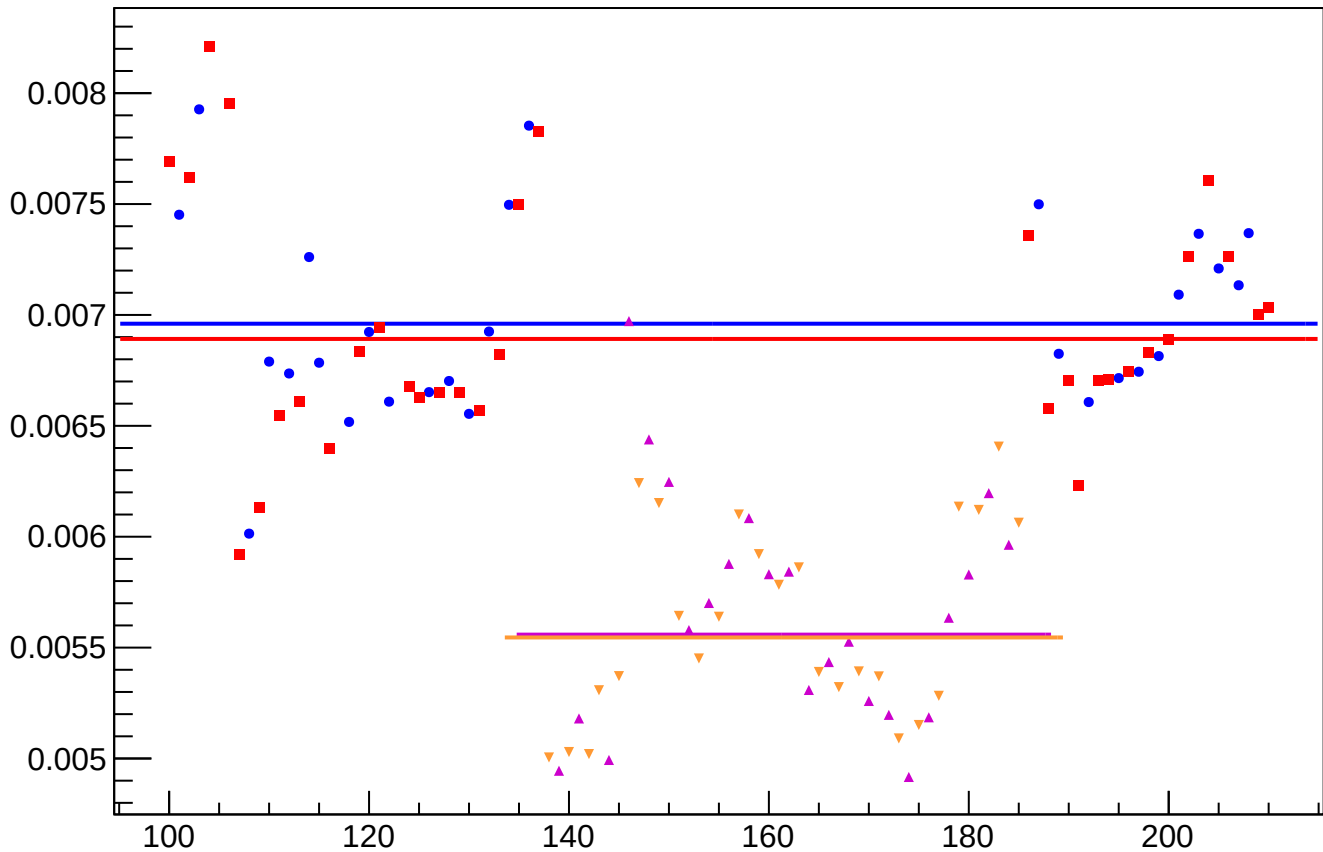
Left In: -0.140 $\pm$ 0.000 χ^2 /NDF: 15148699439.4/22

+ sign -0.047 $\pm$ 0.000 χ^2 /NDF: 98440572906.9/51

All: -0.051 $\pm$ 0.000 χ^2 /NDF: 192848139247.7

- sign -0.054 $\pm$ 0.000 χ^2 /NDF: 94381454526.0/55

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 112002.4/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:201874.8/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 143220.2/32

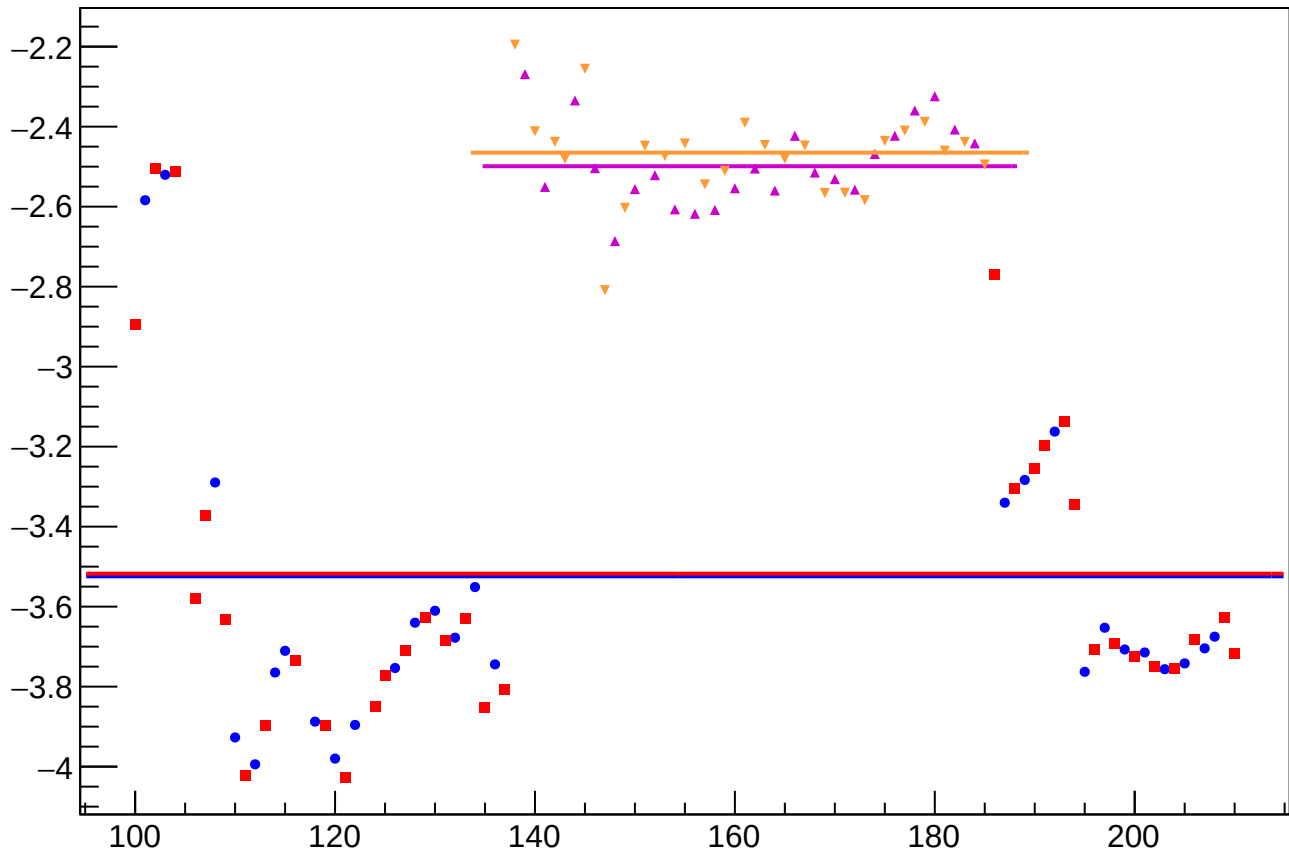
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:260994.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1148500.0/51

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 2349908.8/107

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1198966.9/55

yield_bpm0i02Y_mean vs Slug



Right In: -3.524+/-0.000 χ^2/NDF : 32809799546.8/26

Left Out: -2.465+/-0.000 χ^2/NDF : 2167098053.0/24

Right Out: -3.518+/-0.000 χ^2/NDF : 34898283375.1/32

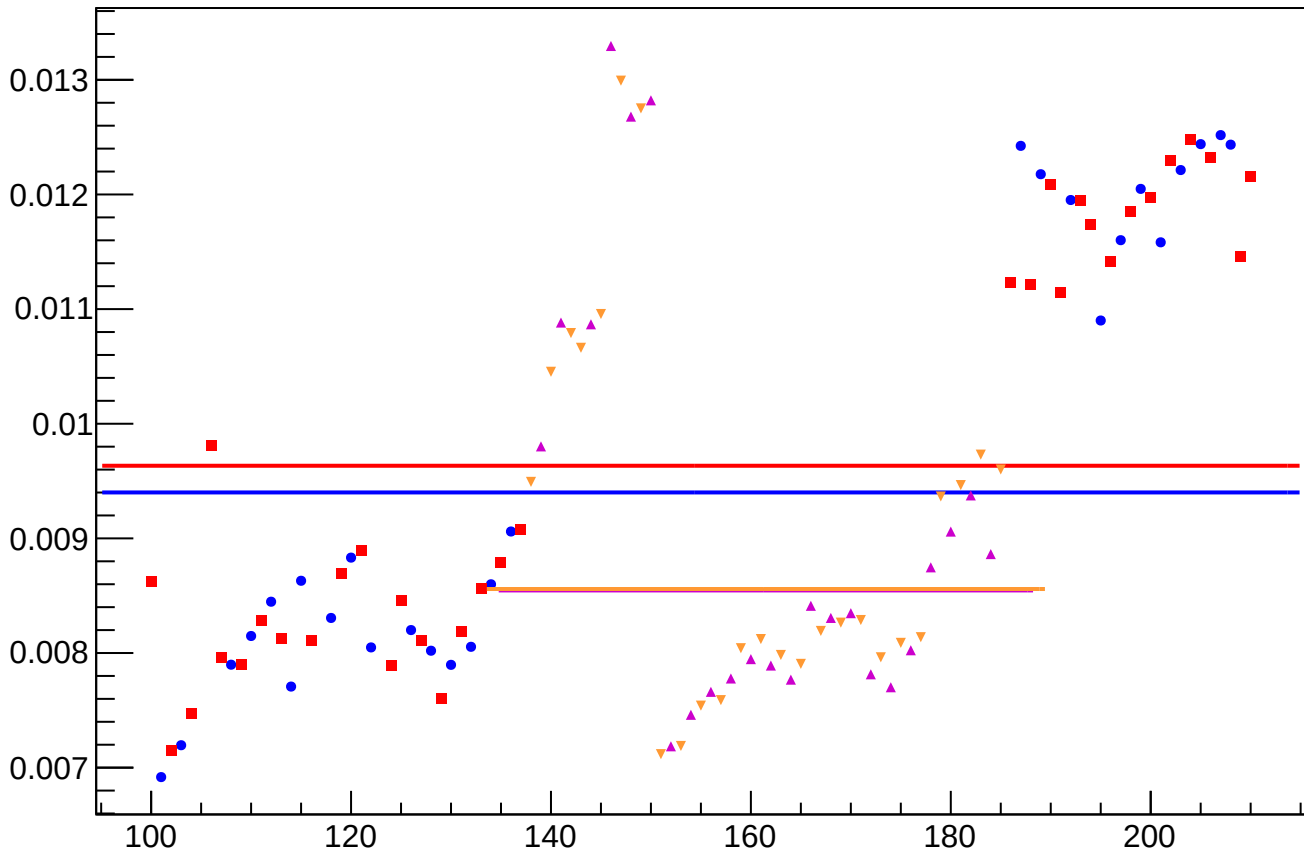
Left In: -2.499+/-0.000 χ^2/NDF : 2273256162.3/22

+ sign -2.894+/-0.000 χ^2/NDF : 147038048418.2/51

All: -2.920+/-0.000 χ^2/NDF : 291229167217.8

- sign -2.946+/-0.000 χ^2/NDF : 143626776944.3/55

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1300956.1/26

Left Out: 0.009+/-0.000 χ^2/NDF :824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF : 1317077.9/32

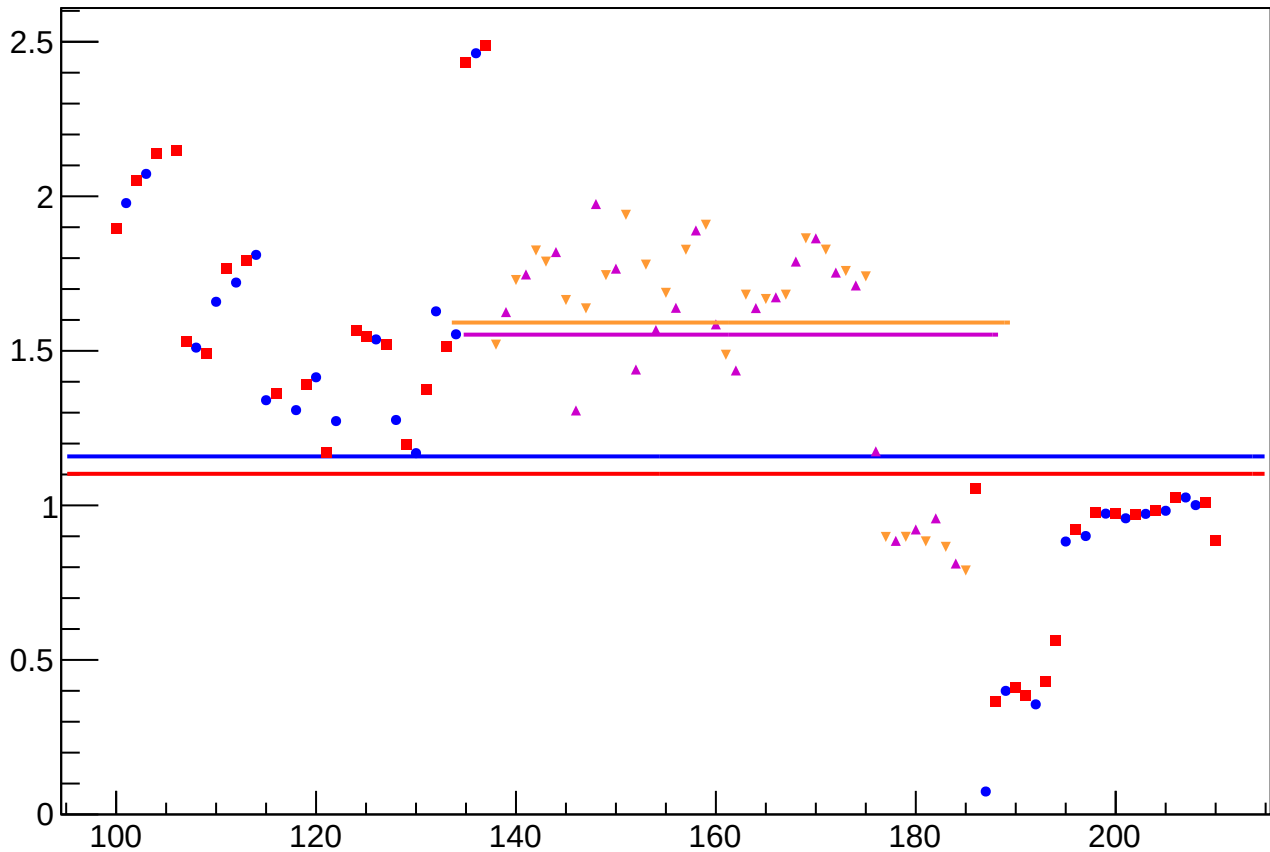
Left In: 0.009+/-0.000 χ^2/NDF :910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 2266727.6/51

All: 0.009+/-0.000 χ^2/NDF : 4743654.8/107

- sign 0.009+/-0.000 χ^2/NDF : 2470574.4/55

yield_bpm0i02aX_mean vs Slug



Right In: 1.158 $\pm$ 0.000 χ^2 /NDF: 29400380582.3/26

Left Out: 1.592 $\pm$ 0.000 χ^2 /NDF:17078853061.6/24

Right Out: 1.102 $\pm$ 0.000 χ^2 /NDF: 34694216084.2/32

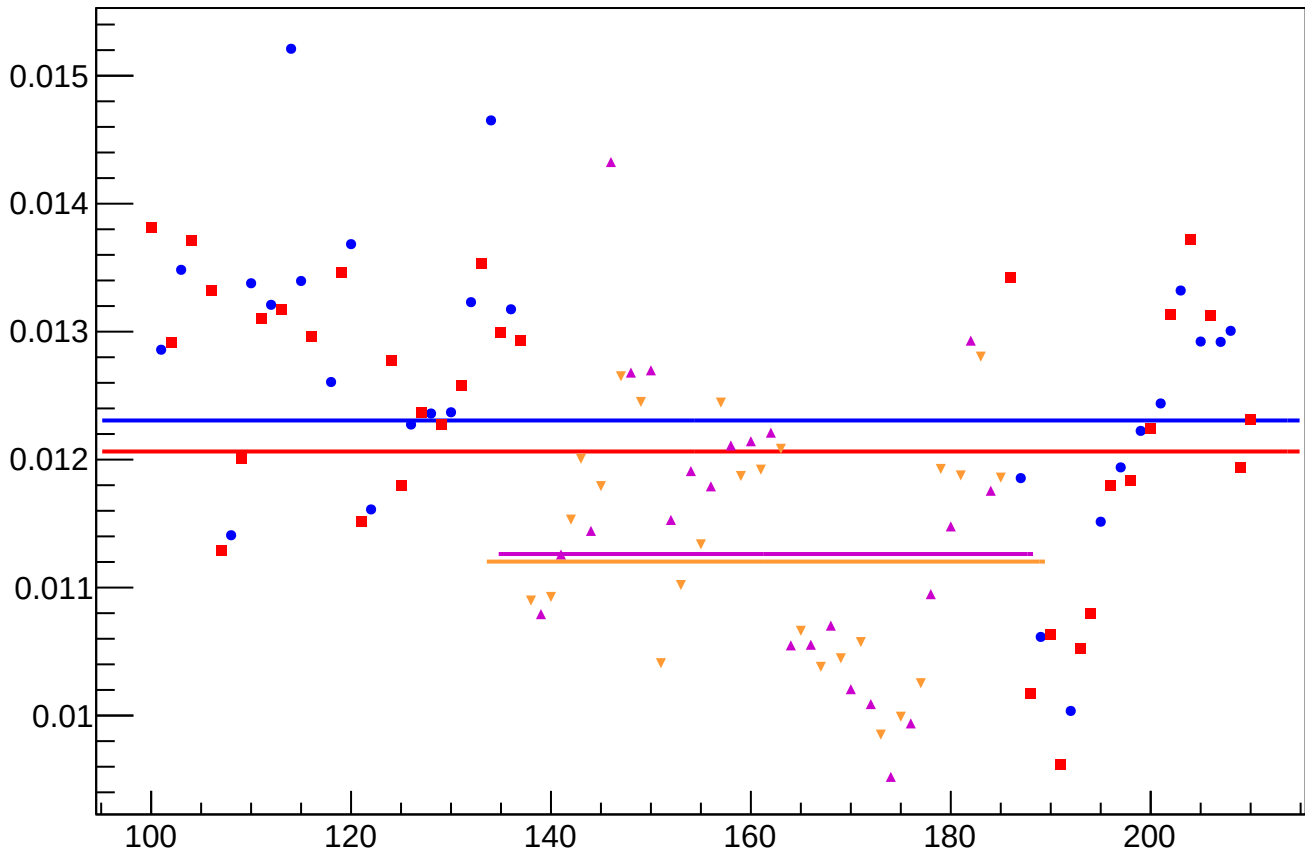
Left In: 1.552 $\pm$ 0.000 χ^2 /NDF:14055987405.9/22

+ sign 1.415 $\pm$ 0.000 χ^2 /NDF: 57752073578.9/51

All: 1.377 $\pm$ 0.000 χ^2 /NDF: 120151888777.5

- sign 1.342 $\pm$ 0.000 χ^2 /NDF: 61724870002.8/55

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 234129.3/26

Left Out: 0.011+/-0.000 χ^2/NDF :223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF : 304604.9/32

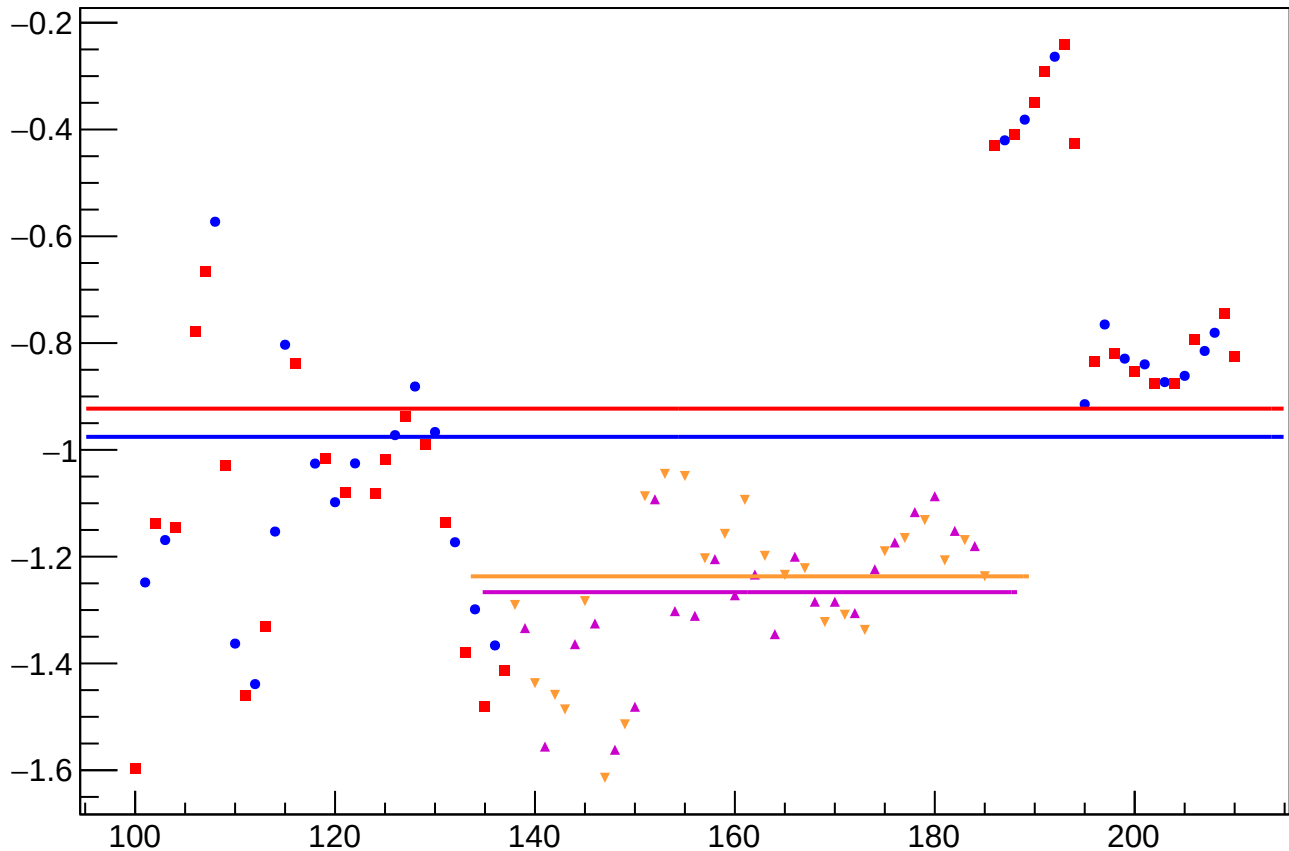
Left In: 0.011+/-0.000 χ^2/NDF :311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF : 603854.4/51

All: 0.012+/-0.000 χ^2/NDF : 1302328.0/107

- sign 0.012+/-0.000 χ^2/NDF : 698407.5/55

yield_bpm0i02aY_mean vs Slug



Right In: -0.976 ± 0.000 $\chi^2/\text{NDF}: 12119060826.4/26$

Left Out: -1.237 ± 0.000 $\chi^2/\text{NDF}: 4972272024.7/24$

Right Out: -0.923 ± 0.000 $\chi^2/\text{NDF}: 16962597830.0/32$

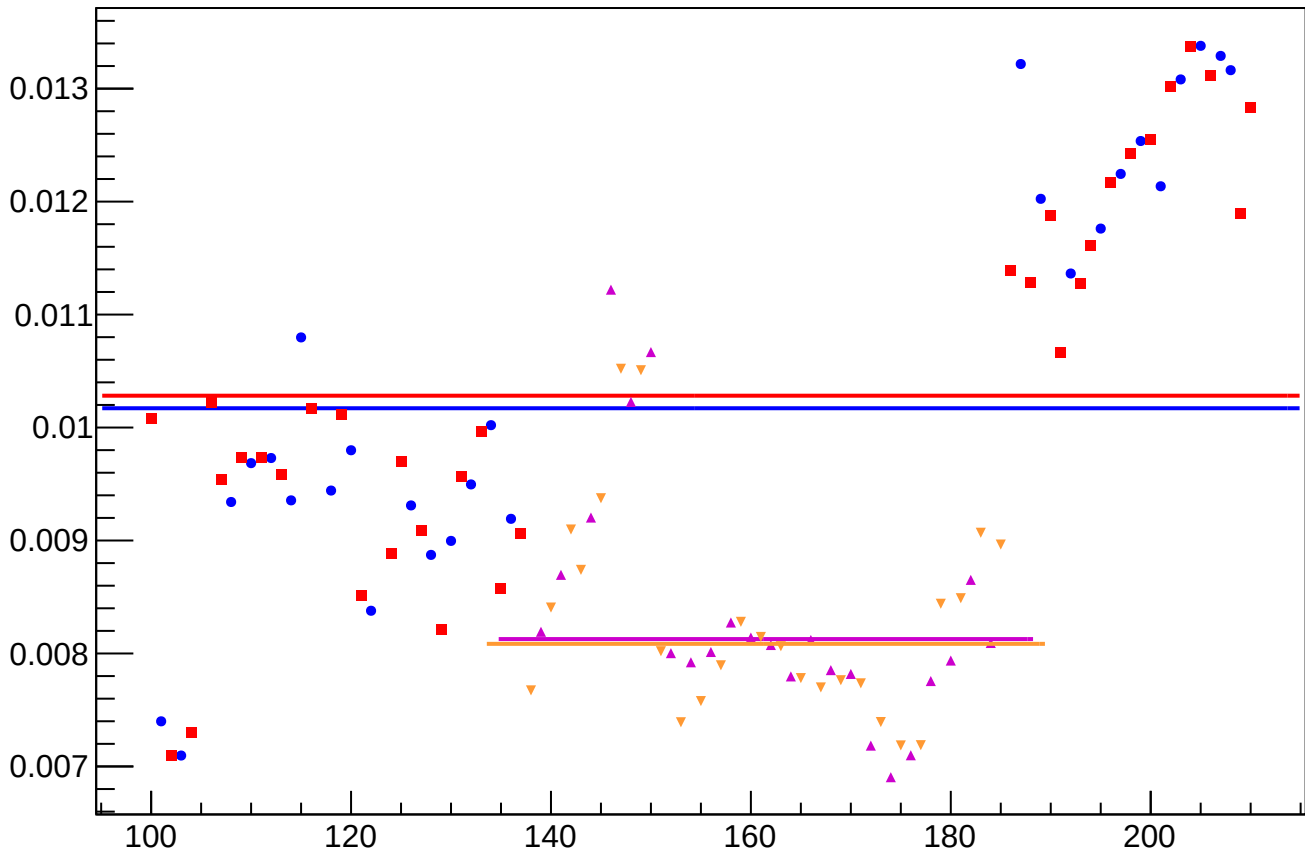
Left In: -1.267 ± 0.000 $\chi^2/\text{NDF}: 3674801511.3/22$

+ sign -1.148 ± 0.000 $\chi^2/\text{NDF}: 23514204139.1/51$

All: -1.142 ± 0.000 $\chi^2/\text{NDF}: 55853255134.0/100$

- sign -1.136 ± 0.000 $\chi^2/\text{NDF}: 32306845627.0/55$

yield_bpm0i02aY_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1124616.9/26

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:326825.0/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1158420.0/32

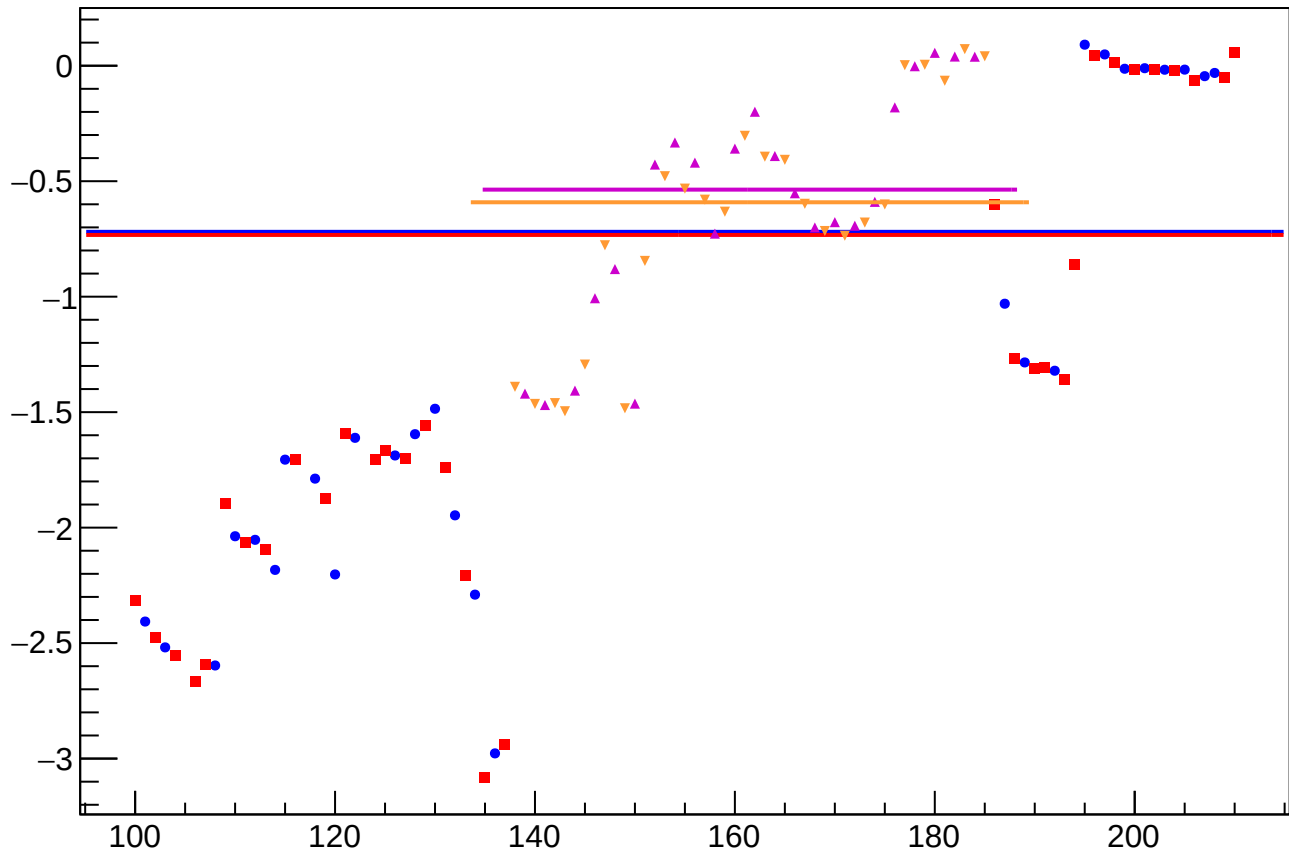
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:409030.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2270024.4/51

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4764011.1/107

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2484147.4/55

yield_bpm0i05X_mean vs Slug



Right In: -0.719 ± 0.000 $\chi^2/\text{NDF}: 369333867654.3/26$

Left Out: -0.591 ± 0.000 $\chi^2/\text{NDF}: 72678844667.5/24$

Right Out: -0.733 ± 0.000 $\chi^2/\text{NDF}: 415884062453.1/32$

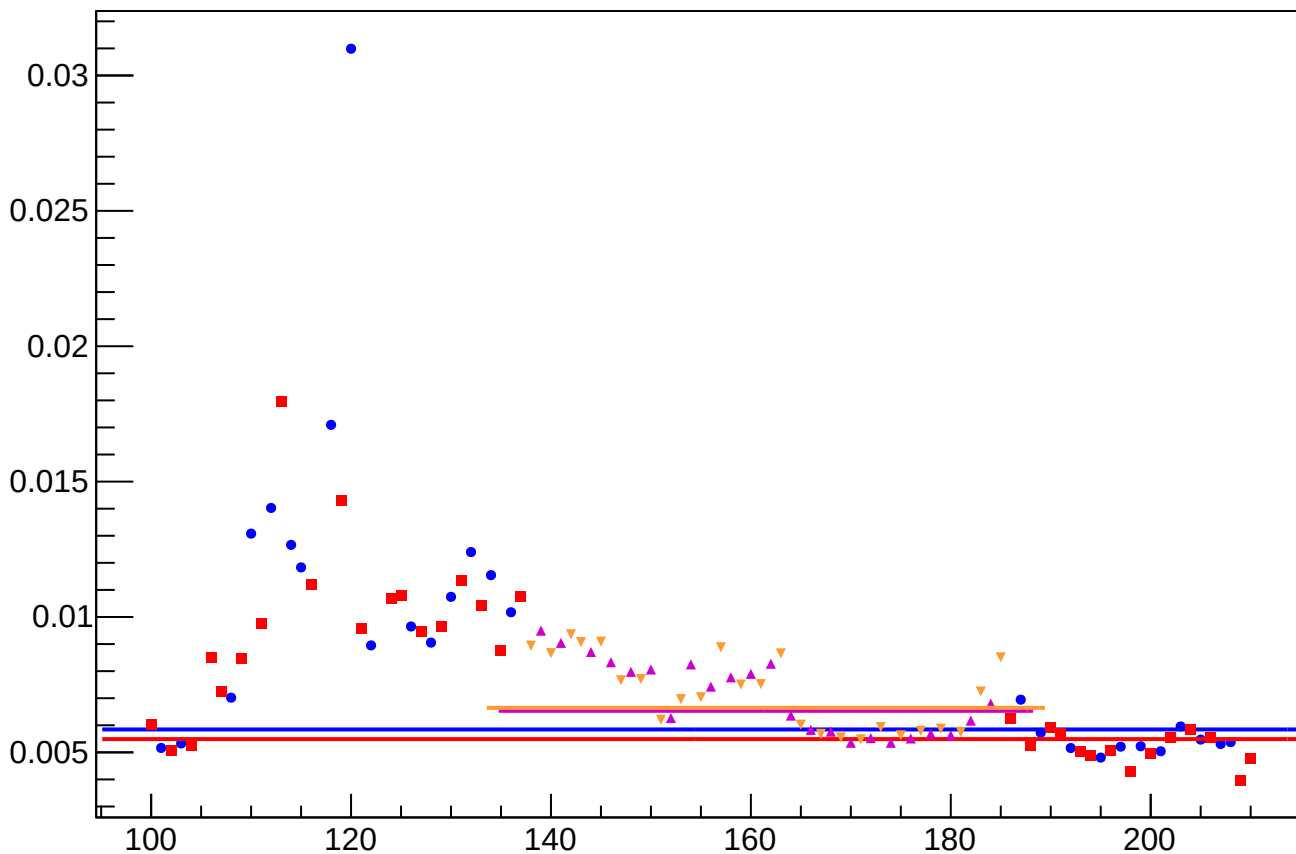
Left In: -0.536 ± 0.000 $\chi^2/\text{NDF}: 70168781562.6/22$

+ sign -0.655 ± 0.000 $\chi^2/\text{NDF}: 445087863536.4/51$

All: -0.651 ± 0.000 $\chi^2/\text{NDF}: 939281677735.1$

- sign -0.648 ± 0.000 $\chi^2/\text{NDF}: 494176728269.2/55$

yield_bpm0i05X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 2506939.2/26

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1091920.0/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 2674777.9/32

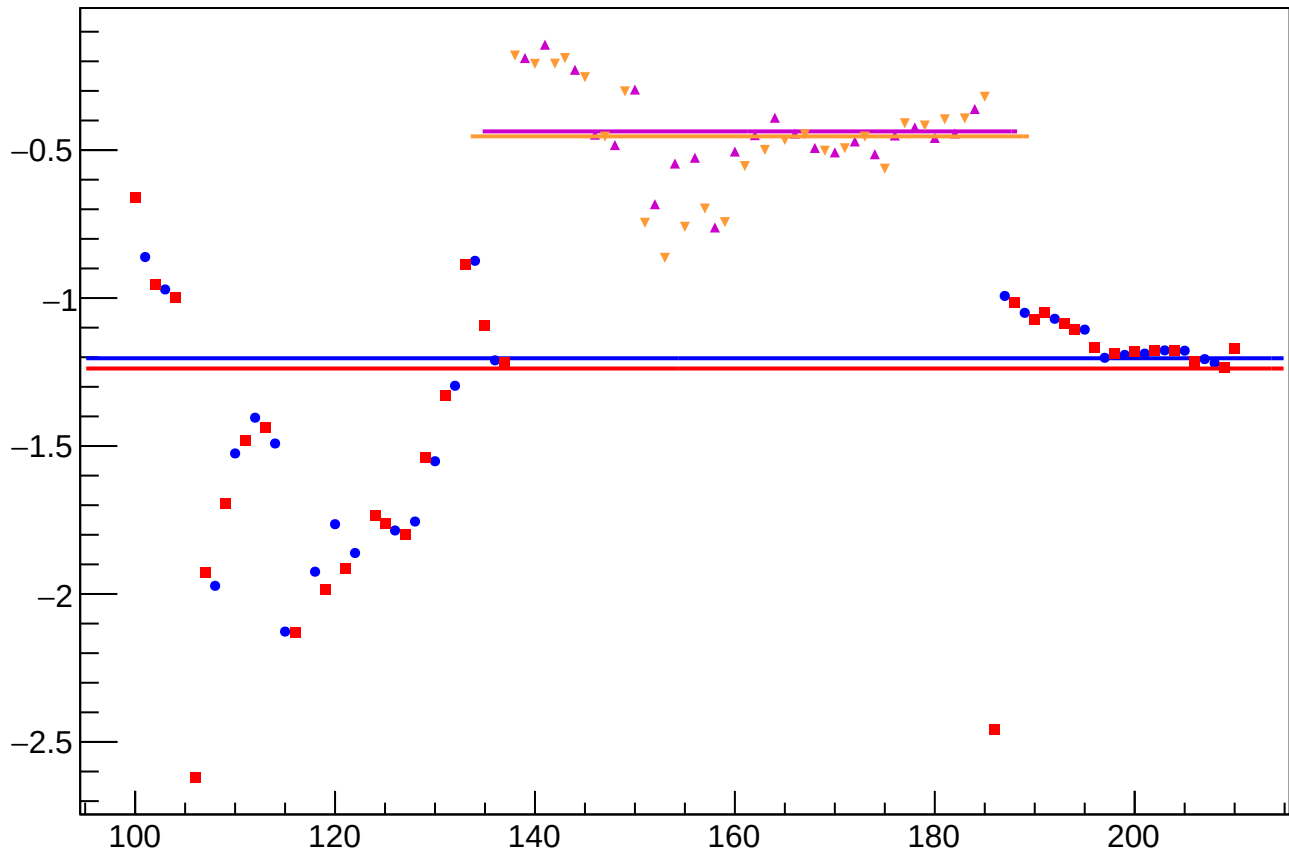
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1151126.7/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 3838212.8/51

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 8200925.4/107

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 4286132.9/55

yield_bpm0i05Y_mean vs Slug



Right In: -1.203+/-0.000 χ^2/NDF : 27139641887.4/26

Left Out: -0.454+/-0.000 χ^2/NDF : 29096412438.0/24

Right Out: -1.238+/-0.000 χ^2/NDF : 72476000654.4/32

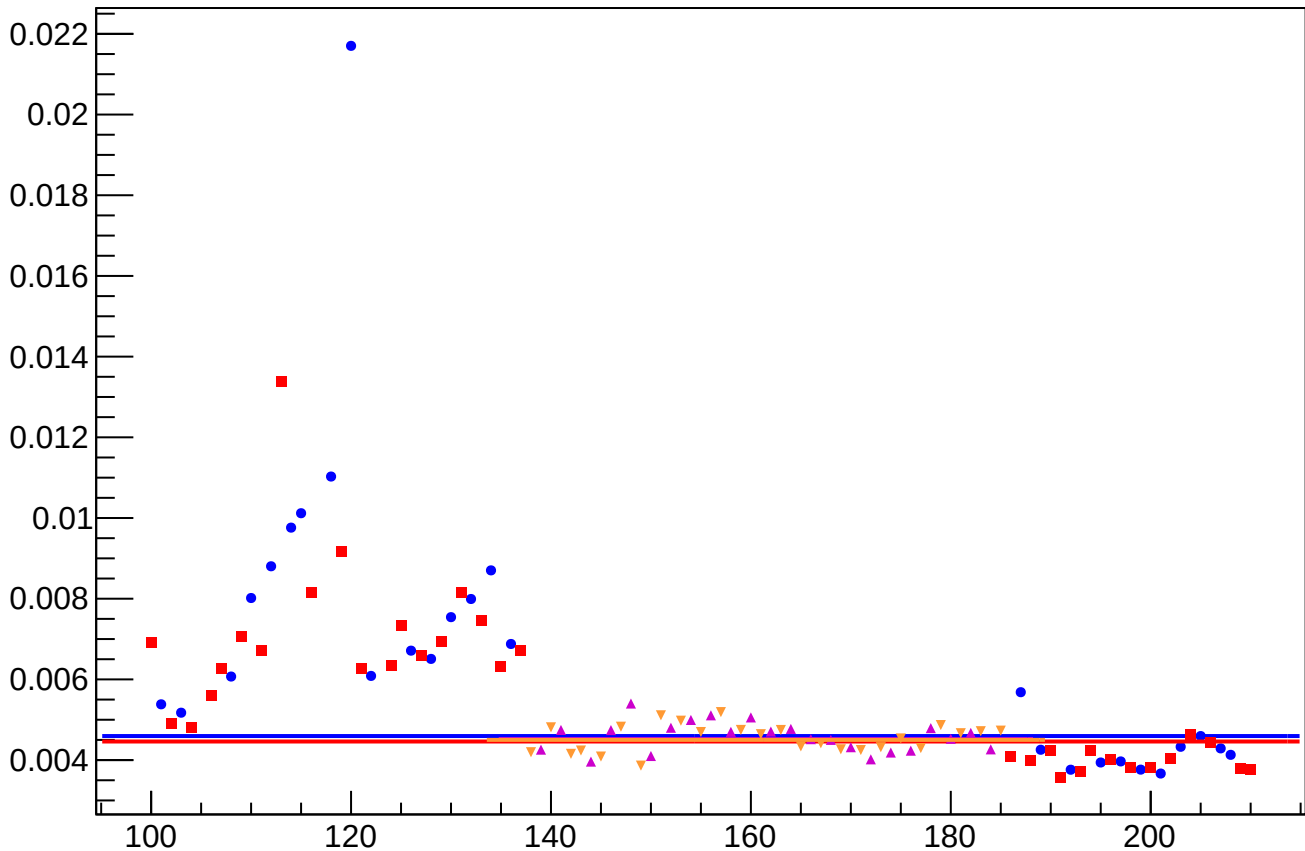
Left In: -0.437+/-0.000 χ^2/NDF : 16544160360.6/22

+ sign -0.762+/-0.000 χ^2/NDF : 257551472428.2/51

All: -0.794+/-0.000 χ^2/NDF : 601727715117.8

- sign -0.823+/-0.000 χ^2/NDF : 341344327919.3/55

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2176783.9/26

Left Out: 0.005+/-0.000 χ^2/NDF :189230.5/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1965640.0/32

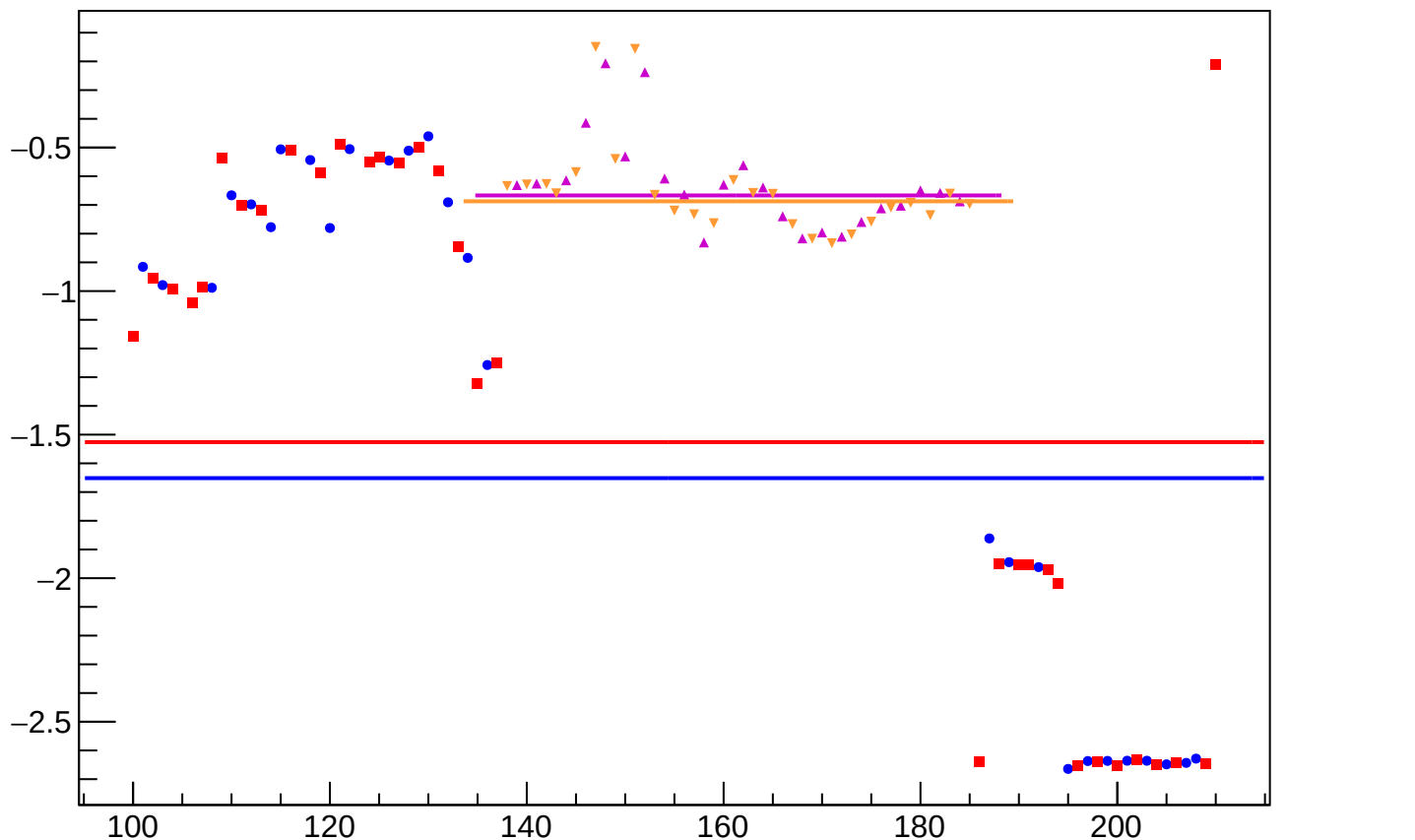
Left In: 0.005+/-0.000 χ^2/NDF :212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 2372461.0/51

All: 0.005+/-0.000 χ^2/NDF : 4556543.7/107

- sign 0.004+/-0.000 χ^2/NDF : 2180513.3/55

yield_bpm0i07X_mean vs Slug



Right In: -1.651+/-0.000 χ^2/NDF : 255365371214.3/26

Left Out: -0.687+/-0.000 χ^2/NDF : 22462821855.7/24

Right Out: -1.526+/-0.000 χ^2/NDF : 519318387424.7/32

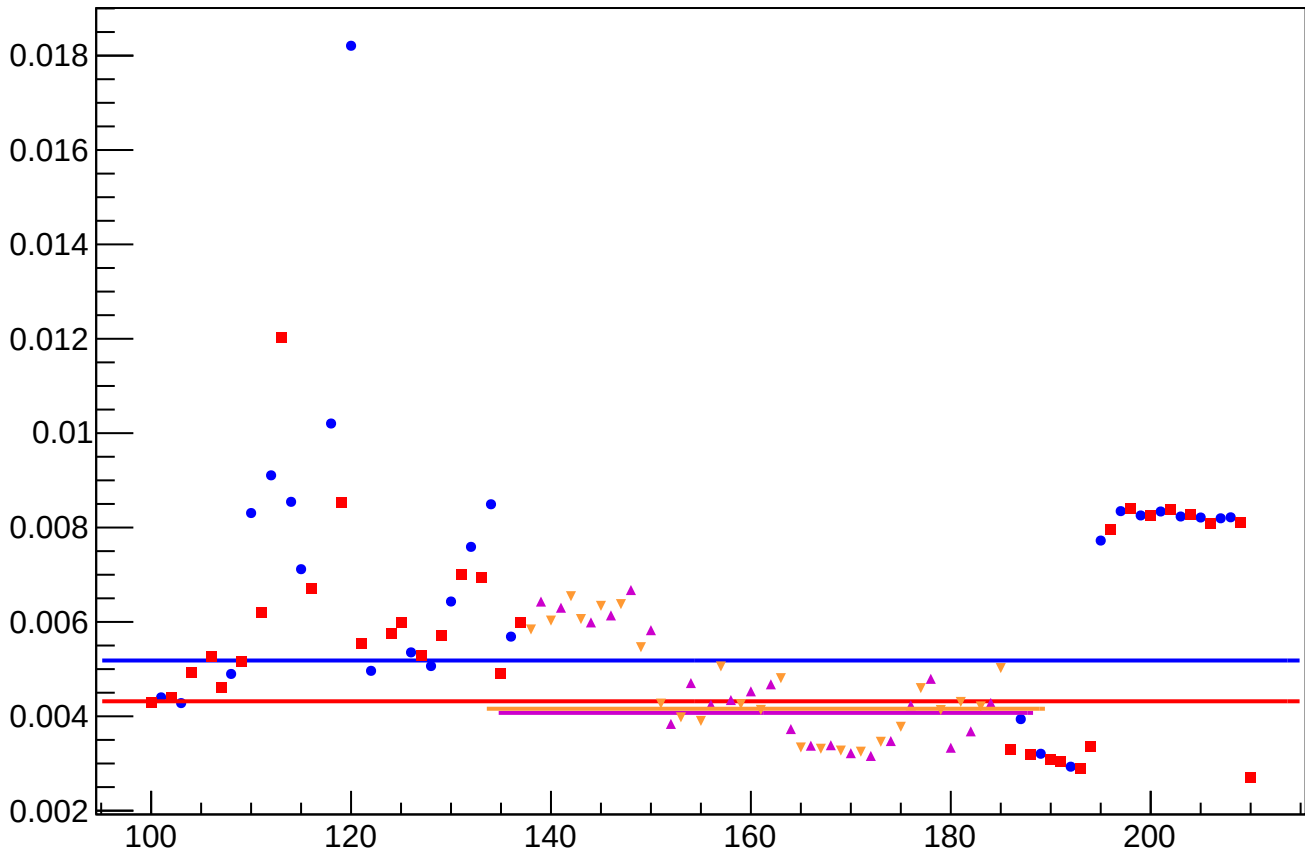
Left In: -0.667+/-0.000 χ^2/NDF : 22531477329.1/22

+ sign -0.998+/-0.000 χ^2/NDF : 566958591069.2/51

All: -1.024+/-0.000 χ^2/NDF : 1419772210137

- sign -1.045+/-0.000 χ^2/NDF : 851110035738.7/55

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 4387663.9/26

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1520055.0/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 5337494.8/32

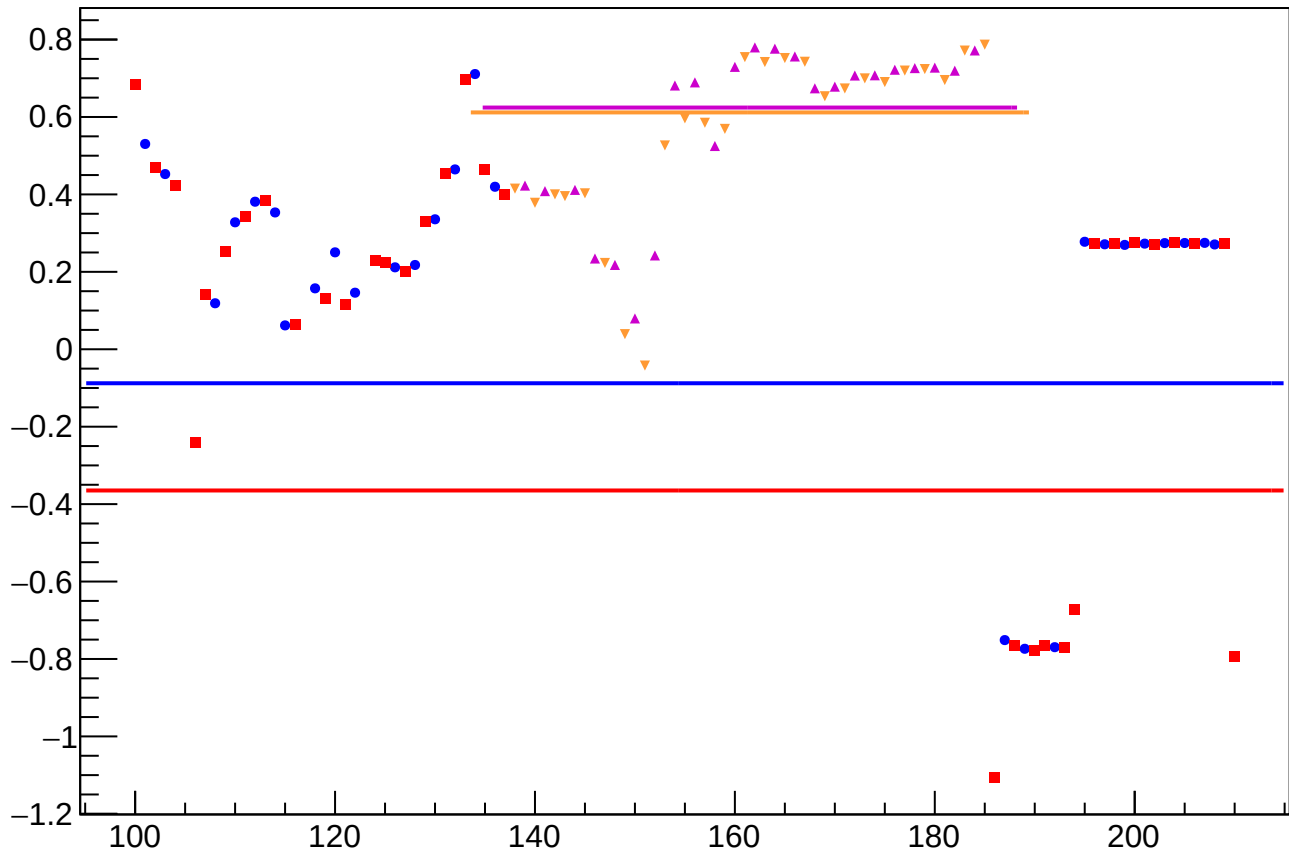
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1750303.9/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6557445.7/51

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 13843797.9/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7138301.4/55

yield_bpm0i07Y_mean vs Slug



Right In: -0.088 ± 0.000 χ^2/NDF : 313109089464.7/26

Left Out: 0.612 ± 0.000 χ^2/NDF : 45742599949.2/24

Right Out: -0.365 ± 0.000 χ^2/NDF : 533433435085.4/32

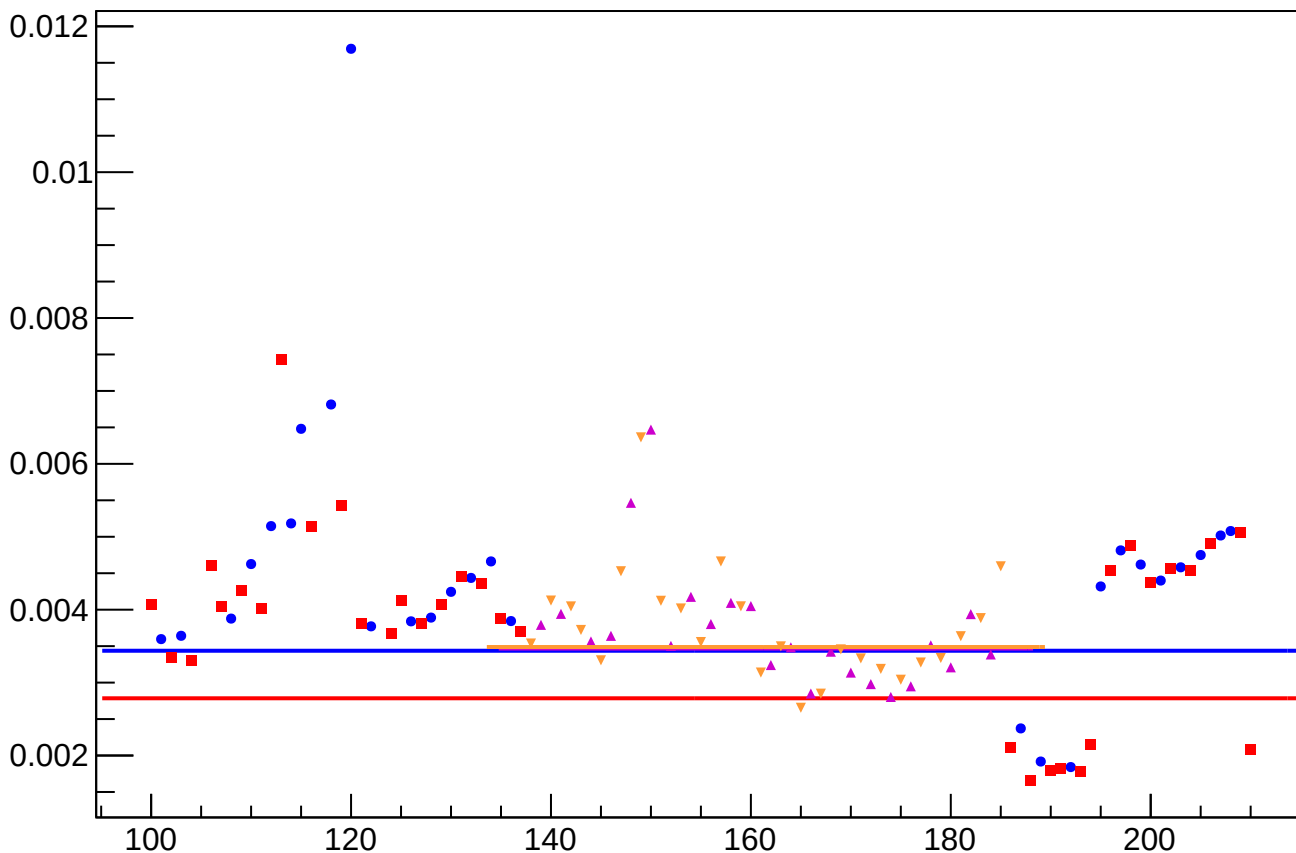
Left In: 0.624 ± 0.000 χ^2/NDF : 40353141115.4/22

+ sign 0.296 ± 0.000 χ^2/NDF : 650528217144.2/51

All: 0.155 ± 0.000 χ^2/NDF : 2036773716063.

- sign 0.044 ± 0.000 χ^2/NDF : 1300940201166.2/55

yield_bpm0i07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 3748715.6/26

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:850746.8/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 5404468.8/32

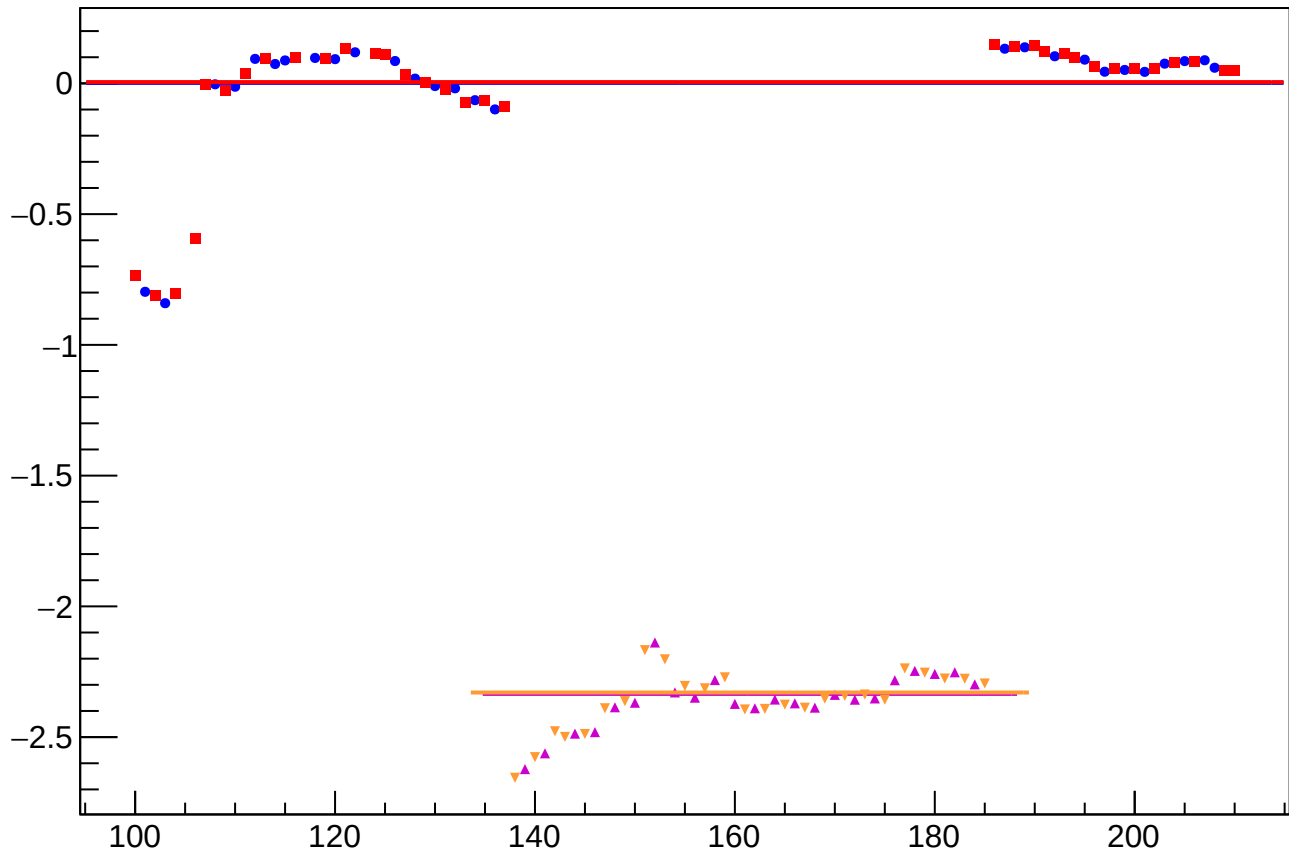
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:894124.0/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4602580.8/51

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 12019910.6/107

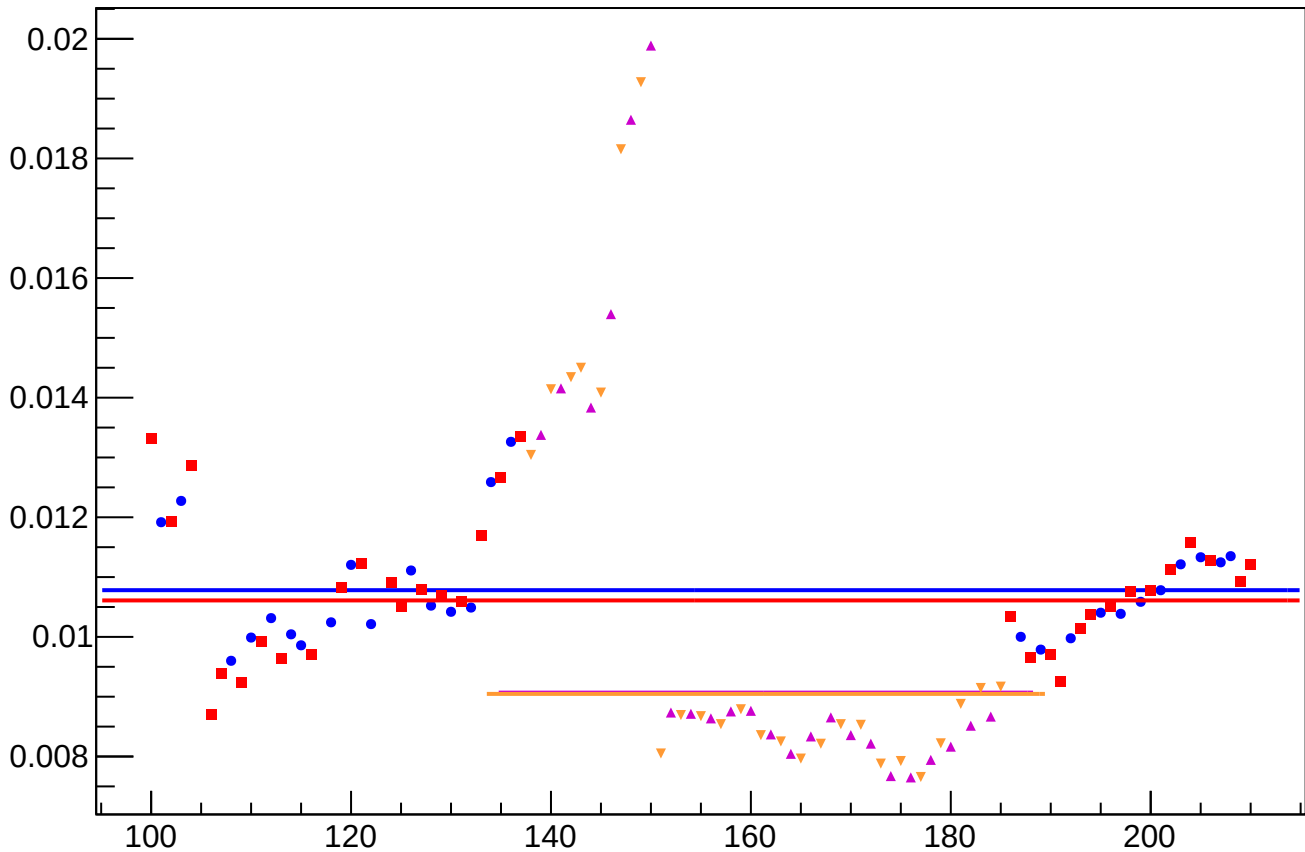
- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6989961.7/55

yield_bpm1i02X_mean vs Slug



Right In: 0.002+/-0.000	χ^2/NDF : 6547293841.9/26	+ sign -1.450+/-0.000	χ^2/NDF : 463967757356.2/51
Left Out: -2.329+/-0.000	χ^2/NDF : 1982733526.8/24	All: -1.386+/-0.000	χ^2/NDF : 970117964324.0
Right Out: 0.005+/-0.000	χ^2/NDF : 7826124845.4/32	- sign -1.323+/-0.000	χ^2/NDF : 503236815261.0/55
Left In: -2.335+/-0.000	χ^2/NDF : 1676703216.8/22		

yield_bpm1i02X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 184031.0/26

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 2048729.6/24

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 260641.9/32

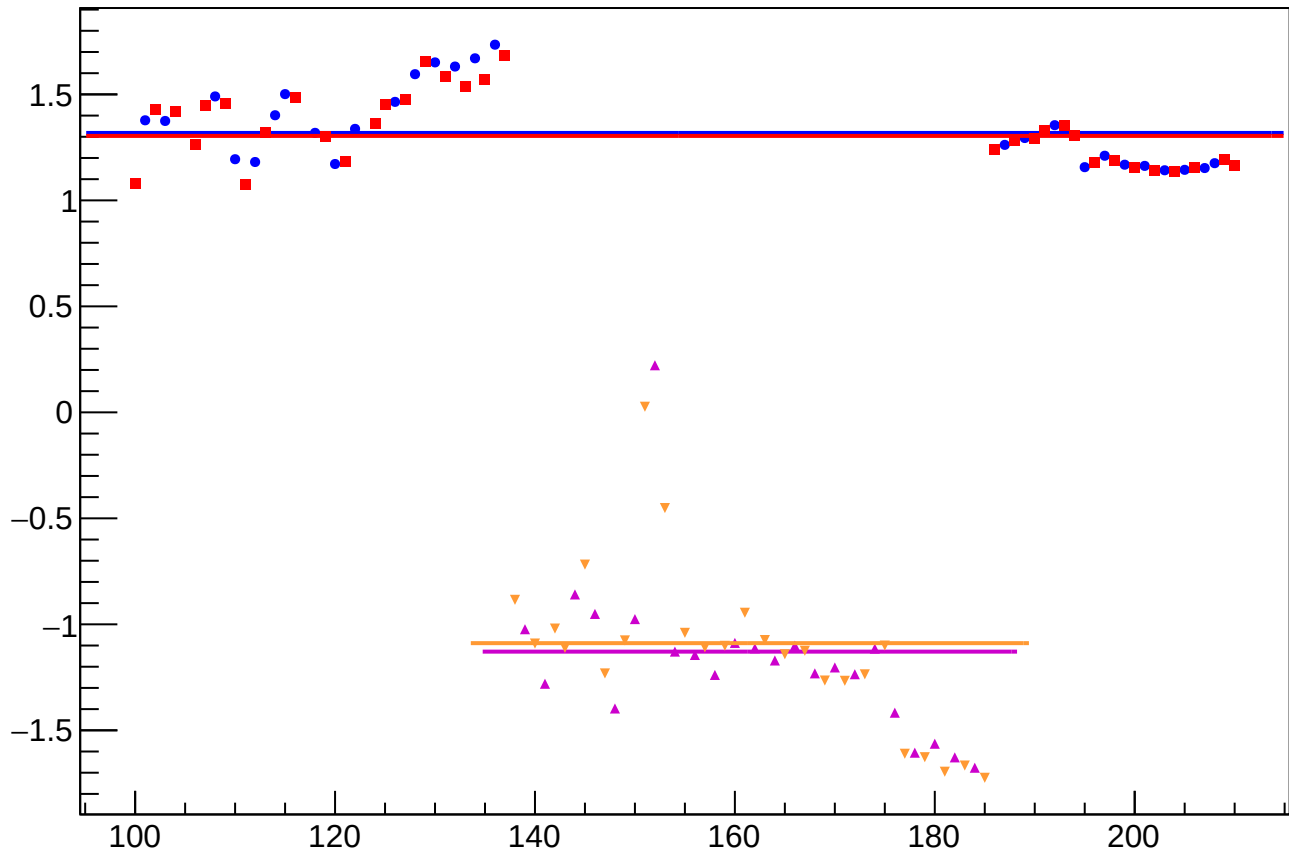
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 2134207.9/22

+ sign 0.010 $\pm$ 0.000 χ^2/NDF : 2736801.1/51

All: 0.010 $\pm$ 0.000 χ^2/NDF : 5560890.8/107

- sign 0.010 $\pm$ 0.000 χ^2/NDF : 2823681.4/55

yield_bpm1i02Y_mean vs Slug



Right In: 1.318+/-0.000 χ^2/NDF : 8397171100.4/26

Left Out: -1.089+/-0.000 χ^2/NDF : 61255304912.3/24

Right Out: 1.304+/-0.000 χ^2/NDF : 6754186846.5/32

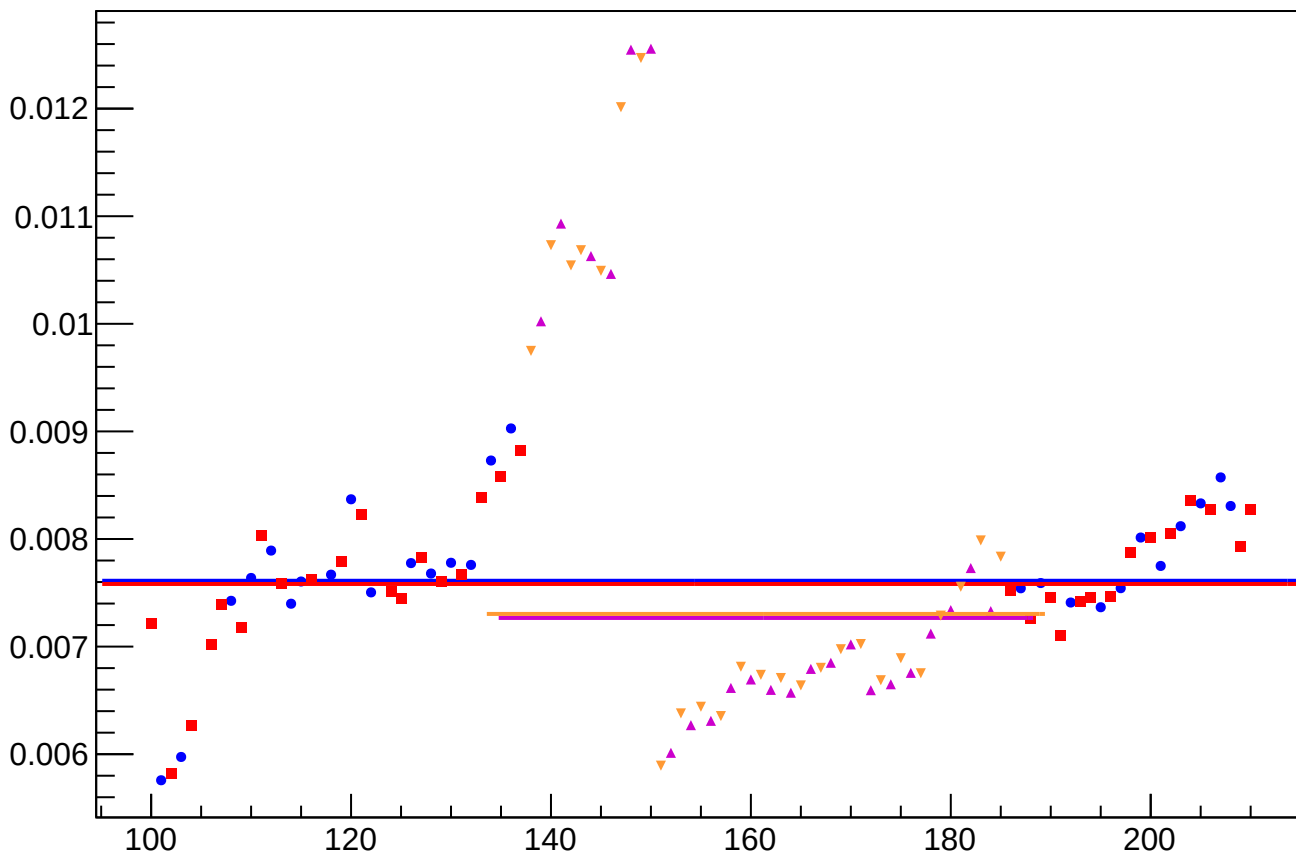
Left In: -1.129+/-0.000 χ^2/NDF : 58876825364.1/22

+ sign -0.038+/-0.000 χ^2/NDF : 945846604699.5/51

All: 0.007+/-0.000 χ^2/NDF : 1963261954459.

- sign 0.051+/-0.000 χ^2/NDF : 1014960744032.8/55

yield_bpm1i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 351083.0/26

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1504103.4/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 276873.1/32

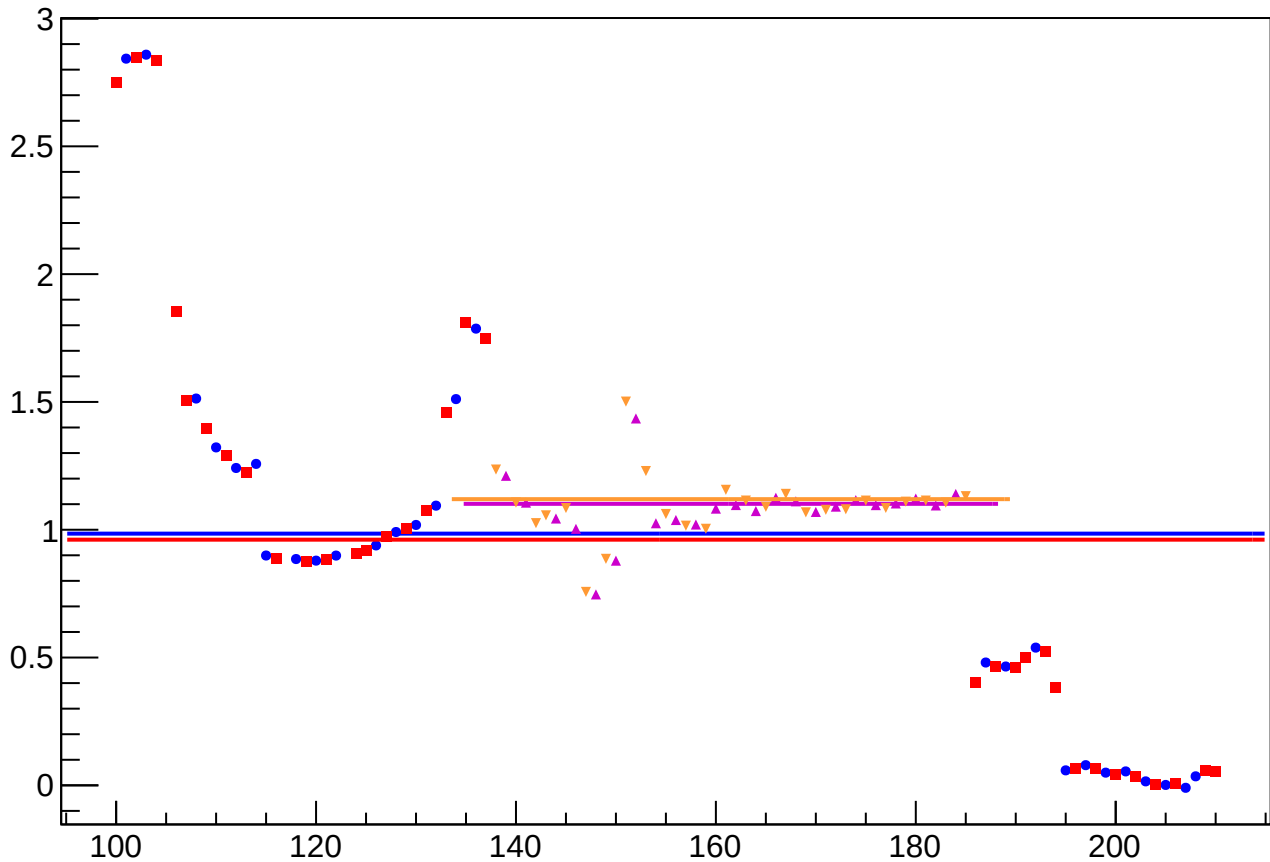
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1560089.8/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1883910.6/51

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3753080.7/107

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1868949.3/55

yield_bpm1i04X_mean vs Slug



Right In: 0.985 $\pm$ 0.000 χ^2 /NDF: 138620319799.5/26

Left Out: 1.120 $\pm$ 0.000 χ^2 /NDF: 5515079117.9/24

Right Out: 0.961 $\pm$ 0.000 χ^2 /NDF: 142507533842.3/32

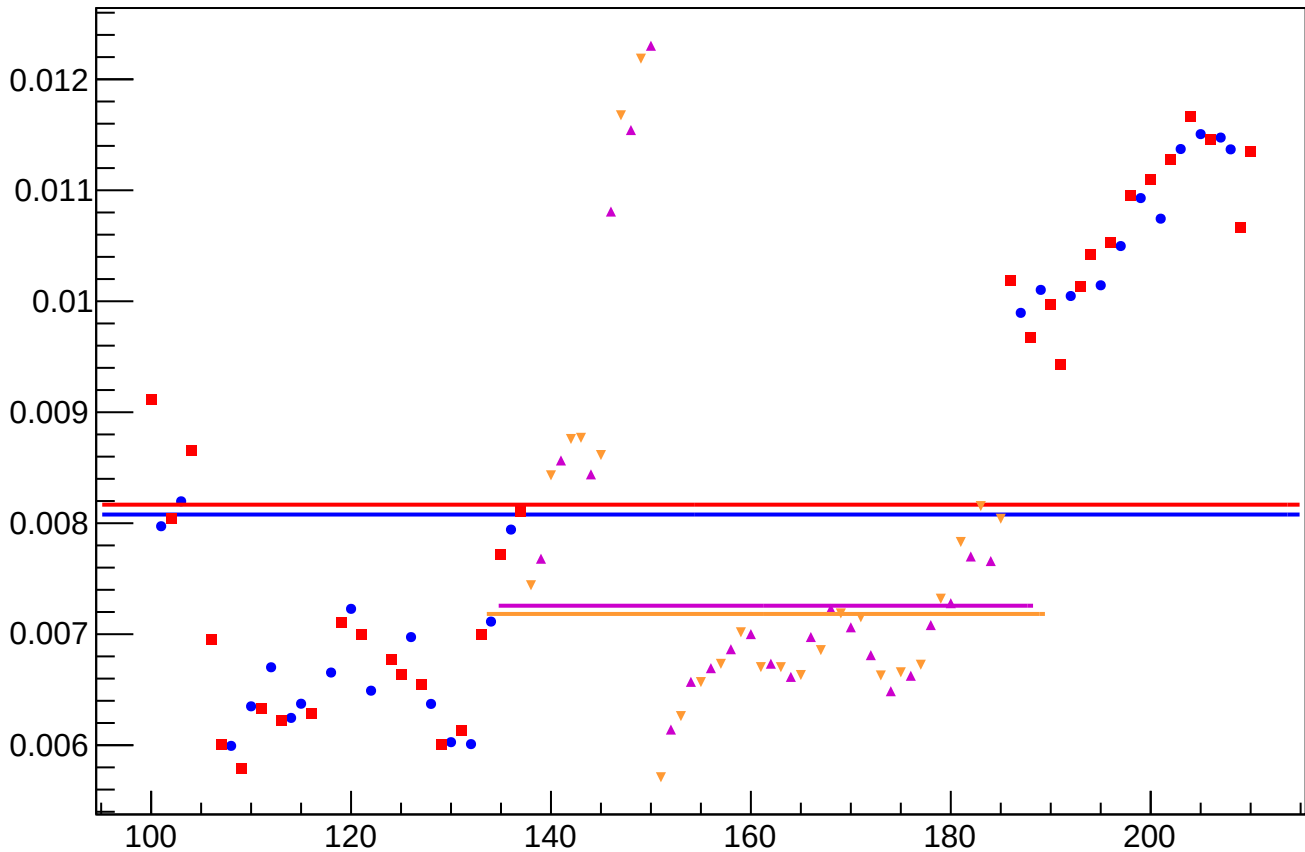
Left In: 1.101 $\pm$ 0.000 χ^2 /NDF: 4201972548.8/22

+ sign 1.067 $\pm$ 0.000 χ^2 /NDF: 146666498593.4/51

All: 1.054 $\pm$ 0.000 χ^2 /NDF: 296417731158.8

- sign 1.041 $\pm$ 0.000 χ^2 /NDF: 149543147769.3/55

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1779131.0/26

Left Out: 0.007+/-0.000 χ^2/NDF : 893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2105112.8/32

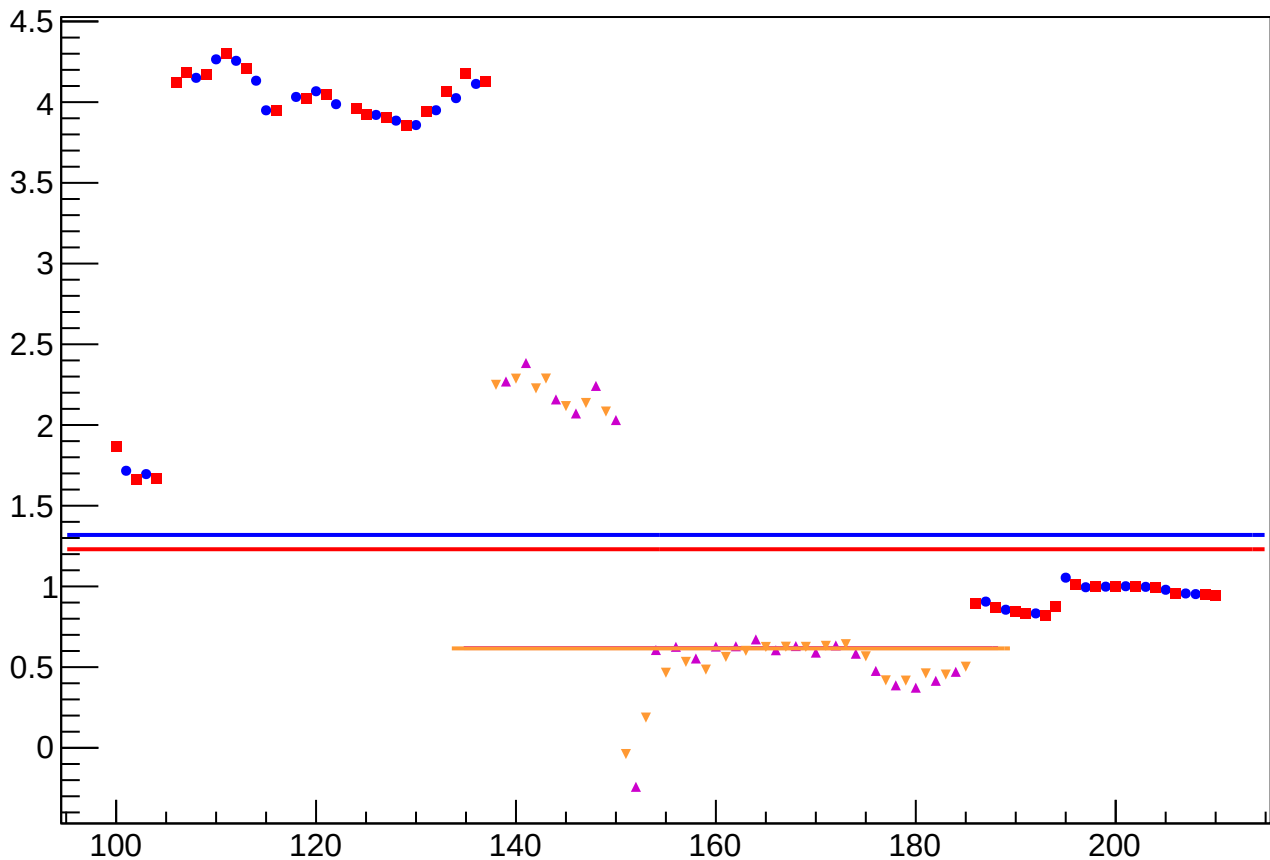
Left In: 0.007+/-0.000 χ^2/NDF : 916696.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2896143.3/51

All: 0.008+/-0.000 χ^2/NDF : 6165513.3/107

- sign 0.008+/-0.000 χ^2/NDF : 3260836.9/55

yield_bpm1i04Y_mean vs Slug



Right In: 1.319+/-0.000 χ^2/NDF : 1587423913028.2/26

Left Out: 0.616+/-0.000 χ^2/NDF : 251940630795.3/24

Right Out: 1.230+/-0.000 χ^2/NDF : 1780882076884.7/32

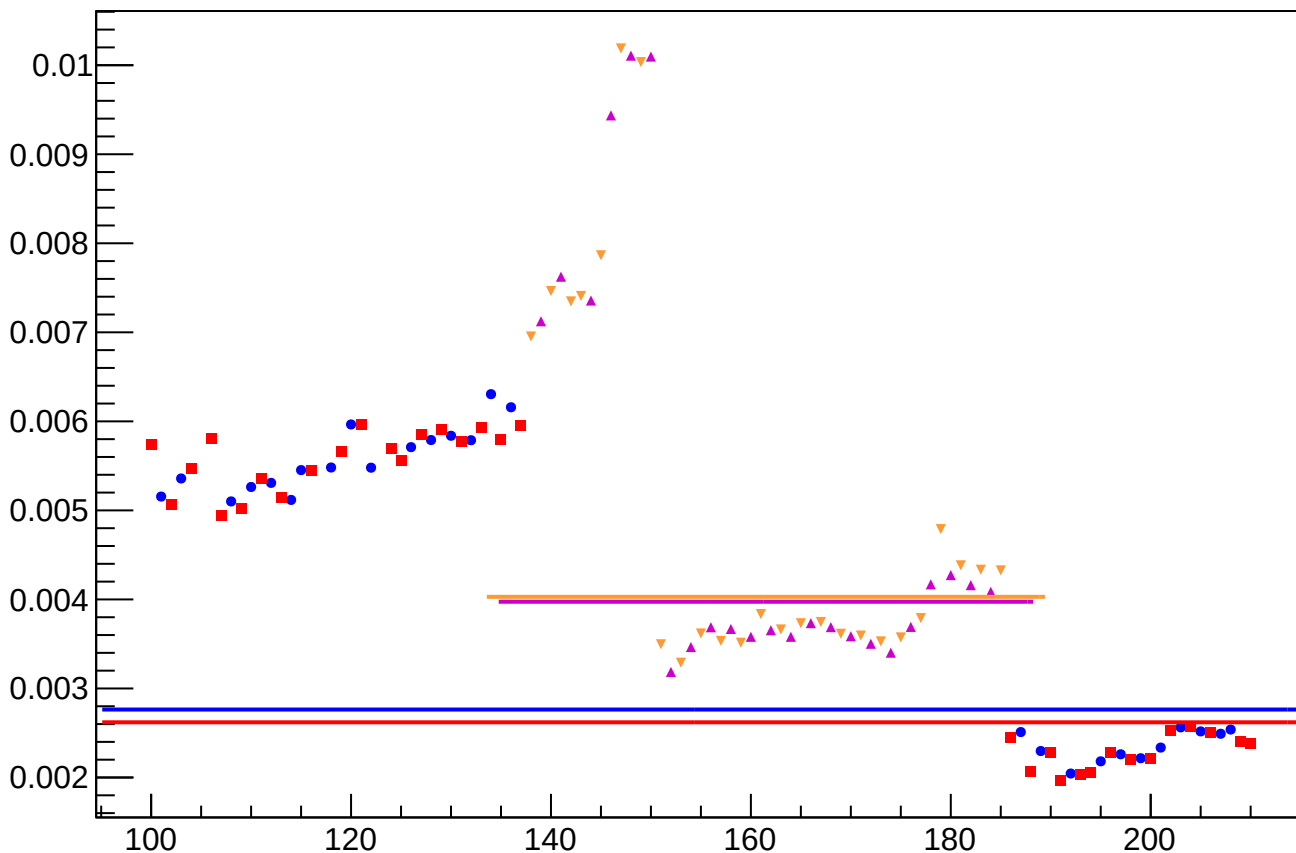
Left In: 0.618+/-0.000 χ^2/NDF : 254248143278.9/22

+ sign 1.049+/-0.000 χ^2/NDF : 2160886766215.2/51

All: 1.041+/-0.000 χ^2/NDF : 4457641804833.

- sign 1.034+/-0.000 χ^2/NDF : 2296414864382.5/55

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4367214.1/26

Left Out: 0.004+/-0.000 χ^2/NDF :2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4709954.7/32

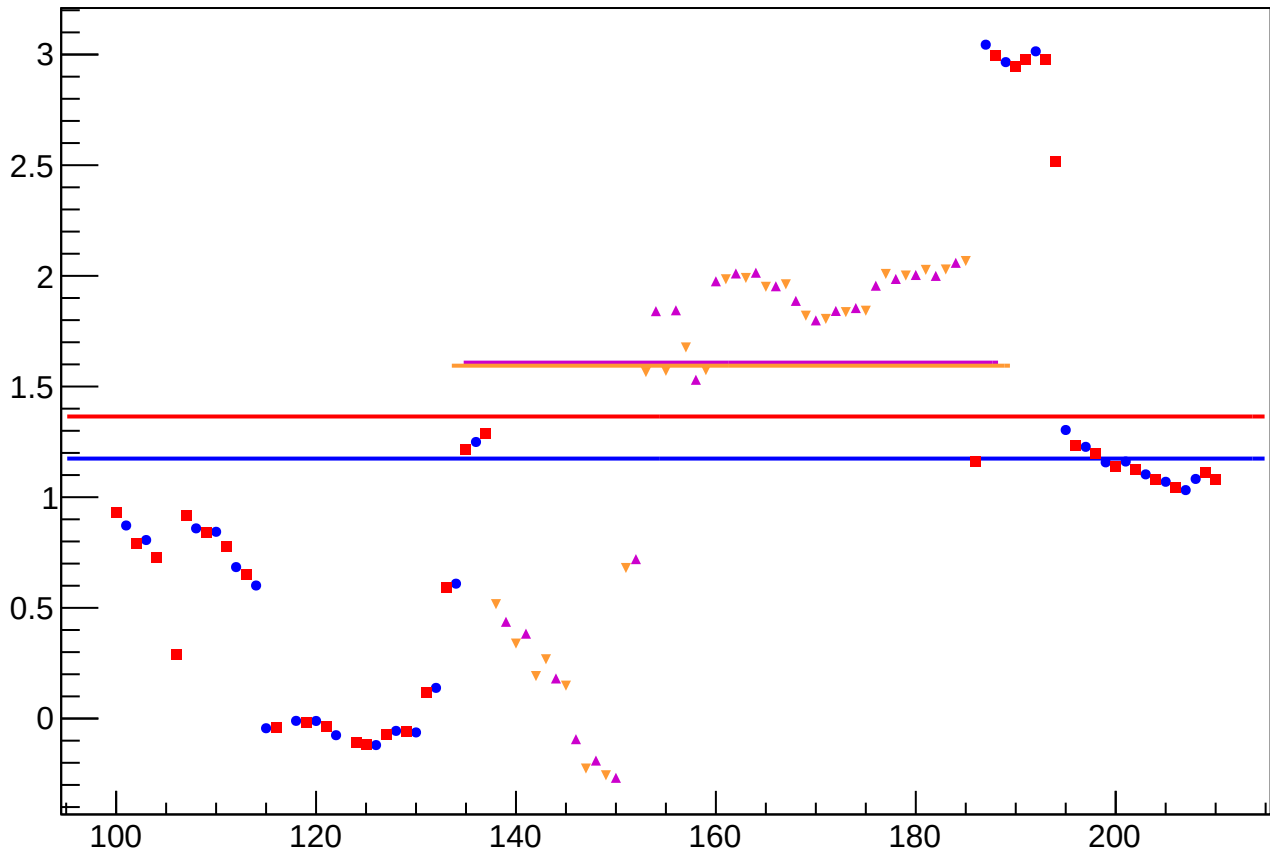
Left In: 0.004+/-0.000 χ^2/NDF :3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF : 9417740.0/51

All: 0.003+/-0.000 χ^2/NDF : 19918933.5/107

- sign 0.003+/-0.000 χ^2/NDF : 10388803.2/55

yield_bpm1i06X_mean vs Slug



Right In: 1.174+/-0.000 χ^2/NDF : 77753893123.6/26

Left Out: 1.594+/-0.000 χ^2/NDF : 62632055963.2/24

Right Out: 1.365+/-0.000 χ^2/NDF : 106466991385.2/32

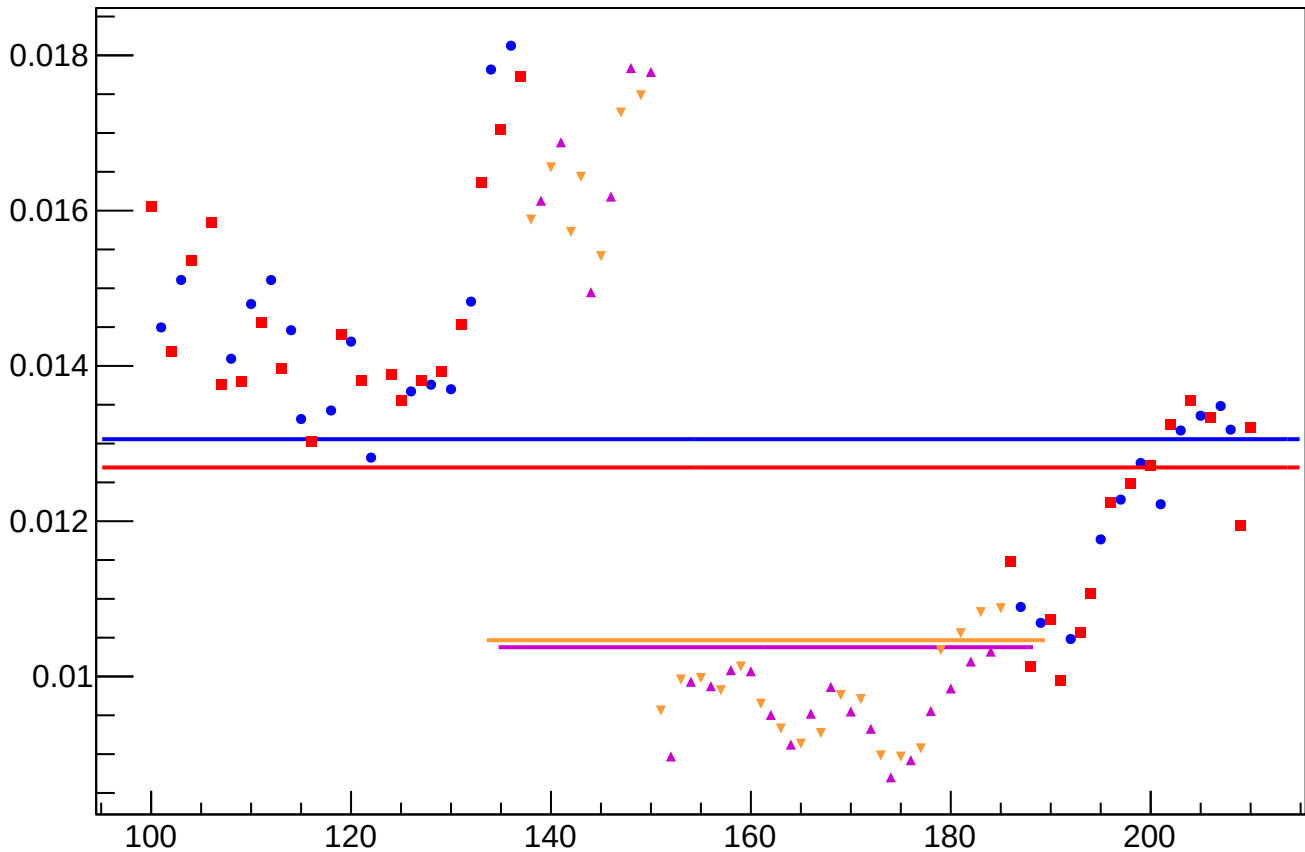
Left In: 1.608+/-0.000 χ^2/NDF : 66403809503.4/22

+ sign 1.447+/-0.000 χ^2/NDF : 150707484763.6/51

All: 1.479+/-0.000 χ^2/NDF : 327941326505.3

- sign 1.510+/-0.000 χ^2/NDF : 176712499286.4/55

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 505157.5/26

Left Out: 0.010+/-0.000 χ^2/NDF :1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF : 614858.5/32

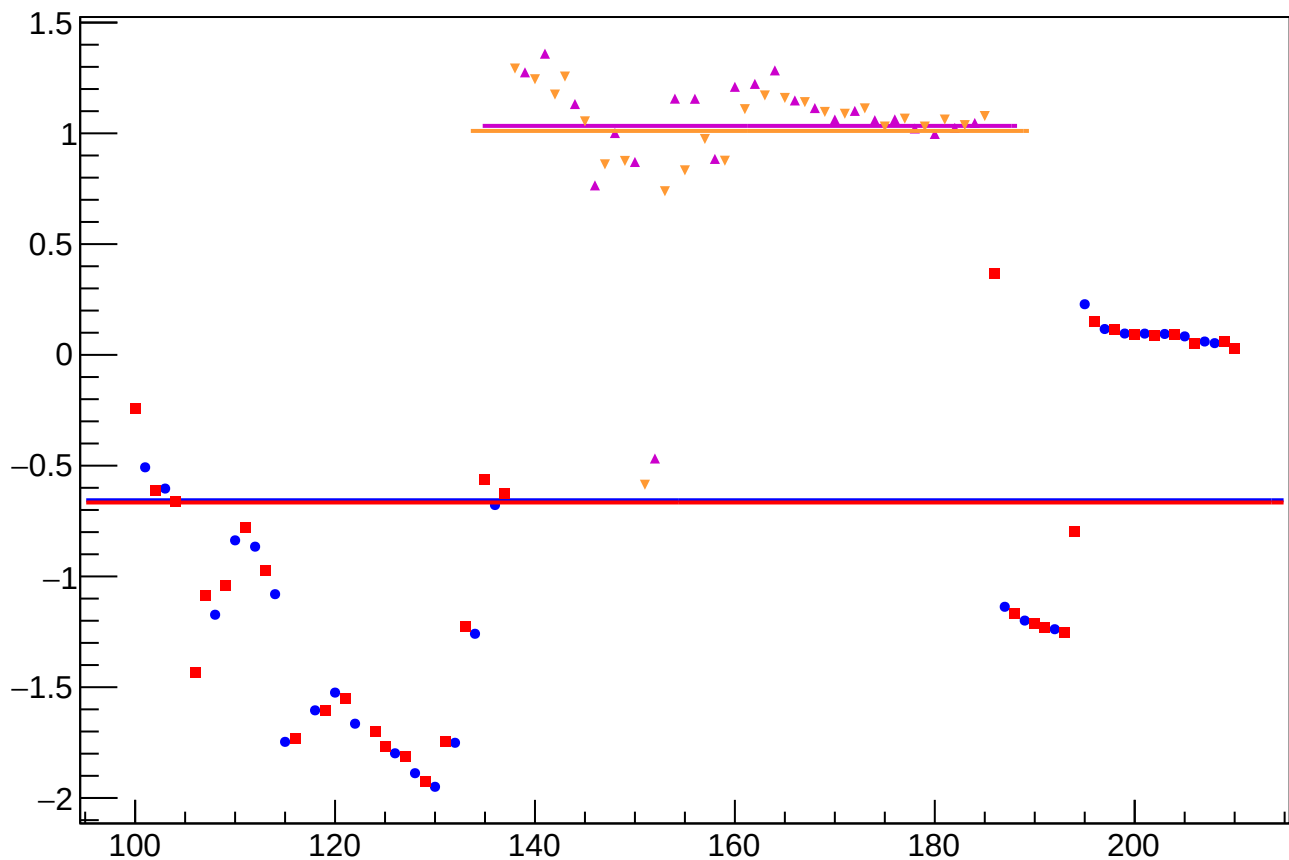
Left In: 0.010+/-0.000 χ^2/NDF :1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF : 2951761.5/51

All: 0.011+/-0.000 χ^2/NDF : 5973193.0/107

- sign 0.011+/-0.000 χ^2/NDF : 3020309.3/55

yield_bpm1i06Y_mean vs Slug



Right In: -0.656+/-0.000 χ^2/NDF : 189736034070.4/26

Left Out: 1.011+/-0.000 χ^2/NDF : 111188616245.0/24

Right Out: -0.666+/-0.000 χ^2/NDF : 188194053036.7/32

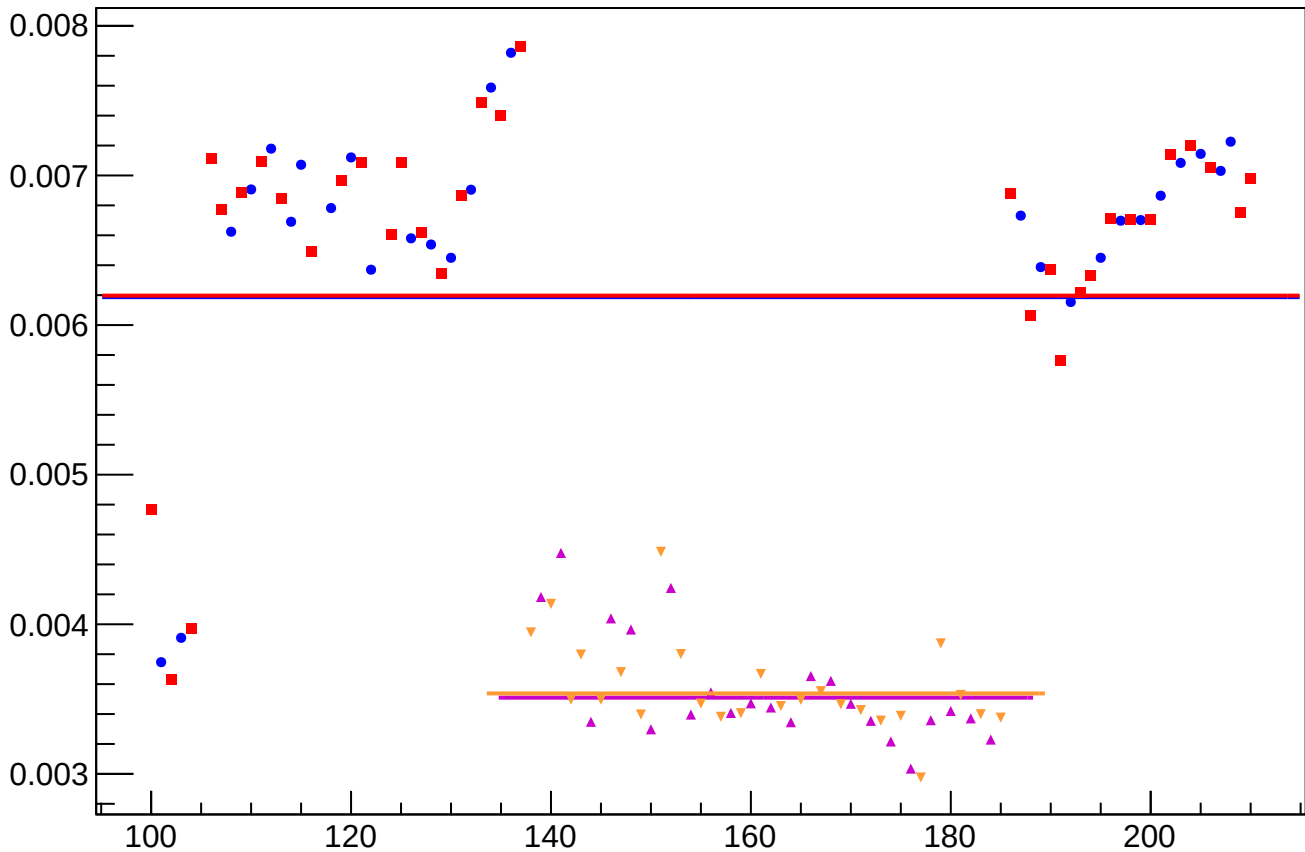
Left In: 1.034+/-0.000 χ^2/NDF : 125385050389.9/22

+ sign 0.657+/-0.000 χ^2/NDF : 1129028040803.3/51

All: 0.639+/-0.000 χ^2/NDF : 2388934677199.

- sign 0.620+/-0.000 χ^2/NDF : 1258690935954.9/55

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1204423.9/26

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:215725.1/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1250251.3/32

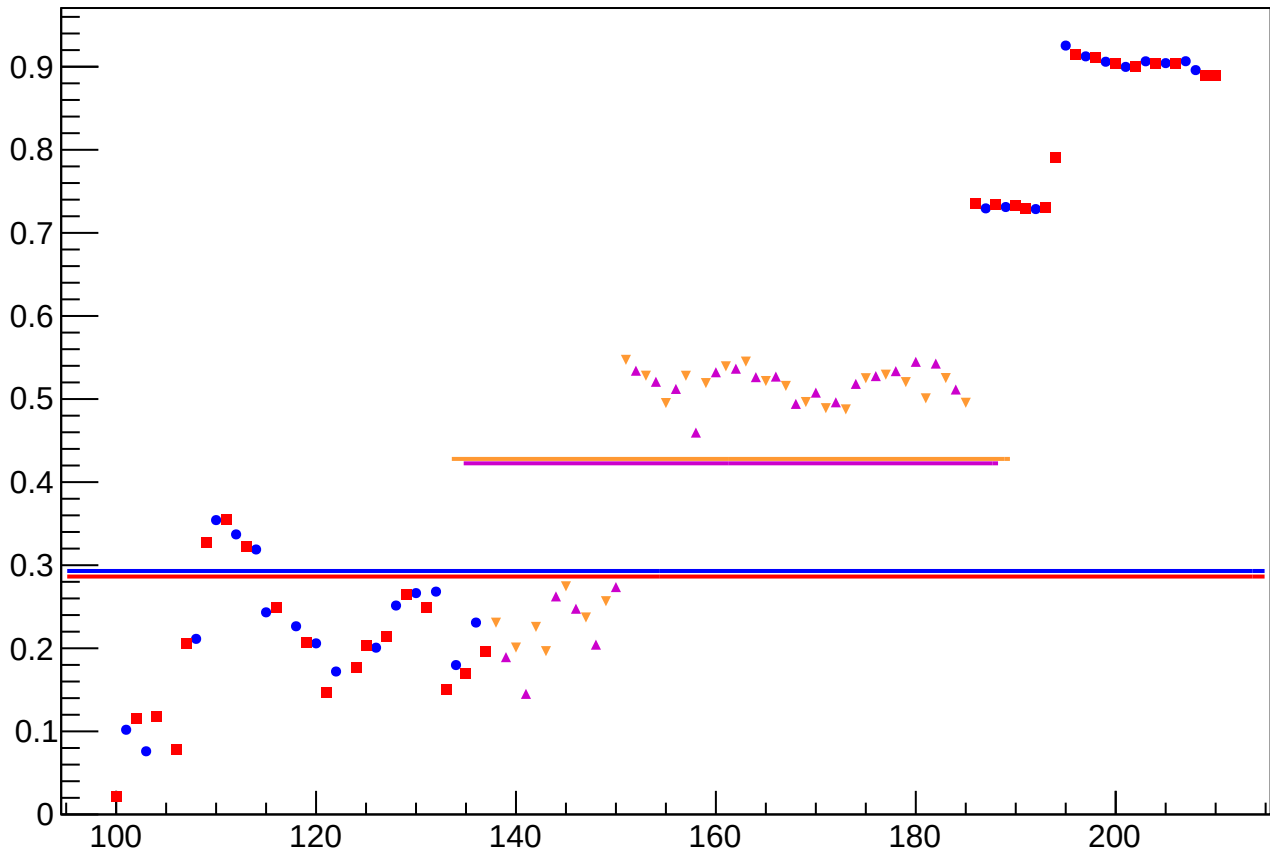
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:284960.7/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5601578.7/51

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 11867147.7/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6258461.9/55

yield_bpm2i01X_mean vs Slug



Right In: 0.293 $\pm$ 0.000 χ^2 /NDF: 186392456415.9/26

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF: 153820853539.2/24

Right Out: 0.286 $\pm$ 0.000 χ^2 /NDF: 223283413567.9/32

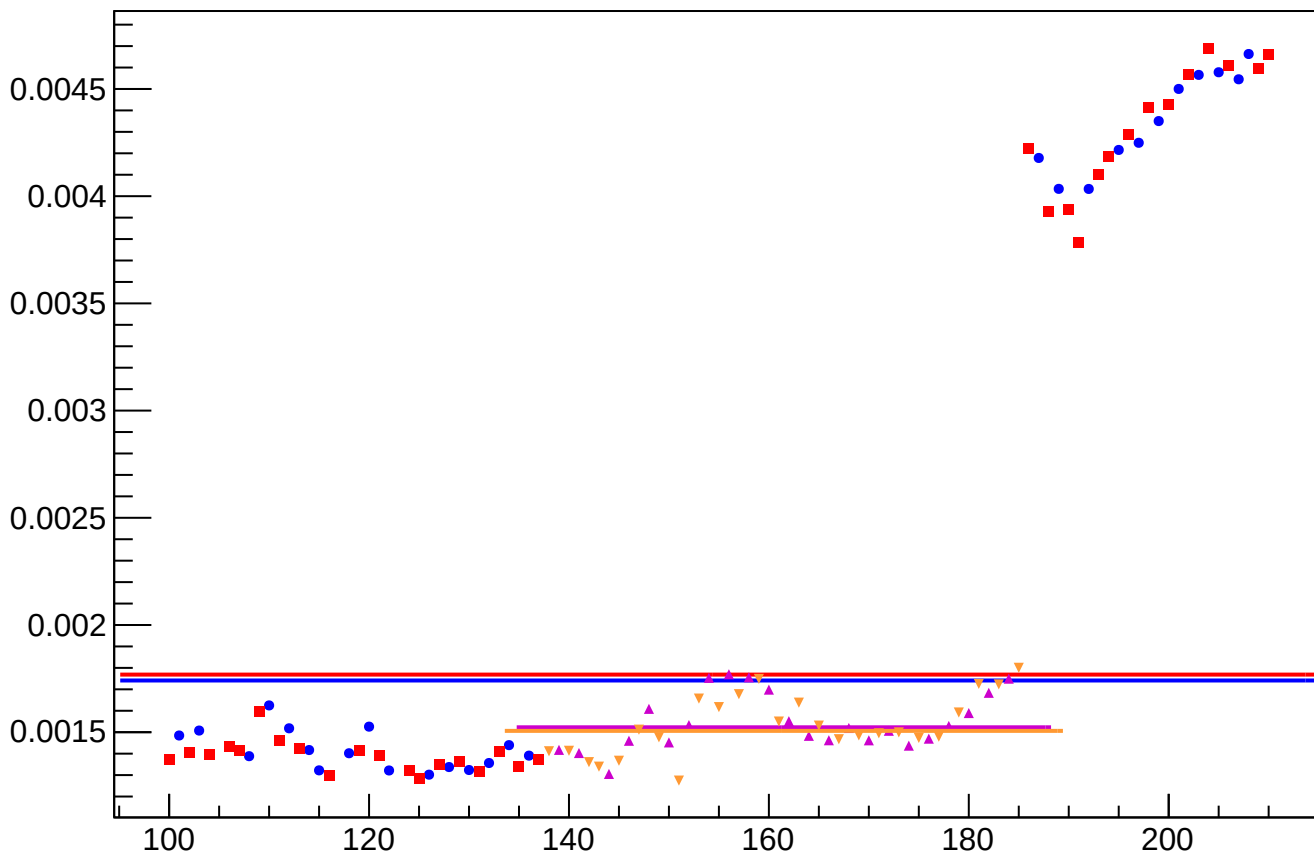
Left In: 0.423 $\pm$ 0.000 χ^2 /NDF: 158122093061.2/22

+ sign 0.385 $\pm$ 0.000 χ^2 /NDF: 389151591572.6/51

All: 0.379 $\pm$ 0.000 χ^2 /NDF: 823091873694.5

- sign 0.374 $\pm$ 0.000 χ^2 /NDF: 433184862458.0/55

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 7026986.4/26

Left Out: 0.002+/-0.000 χ^2/NDF :278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 8580889.2/32

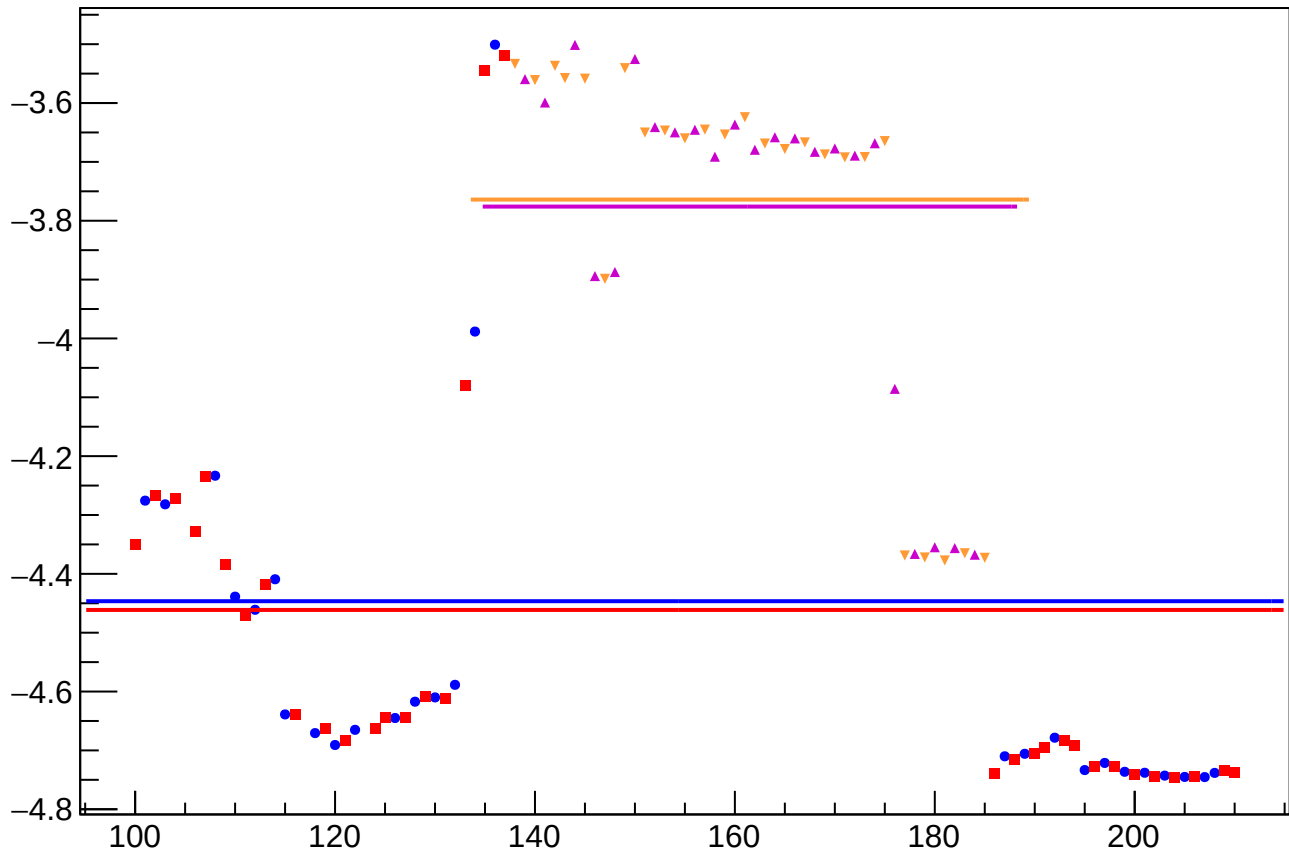
Left In: 0.002+/-0.000 χ^2/NDF :234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF : 7602939.1/51

All: 0.002+/-0.000 χ^2/NDF : 16766198.4/107

- sign 0.002+/-0.000 χ^2/NDF : 9152397.3/55

yield_bpm2i01Y_mean vs Slug



Right In: -4.446+/-0.000 χ^2/NDF : 429022006145.7/26

Left Out: -3.764+/-0.000 χ^2/NDF : 483461311370.8/24

Right Out: -4.461+/-0.000 χ^2/NDF : 385653474454.6/32

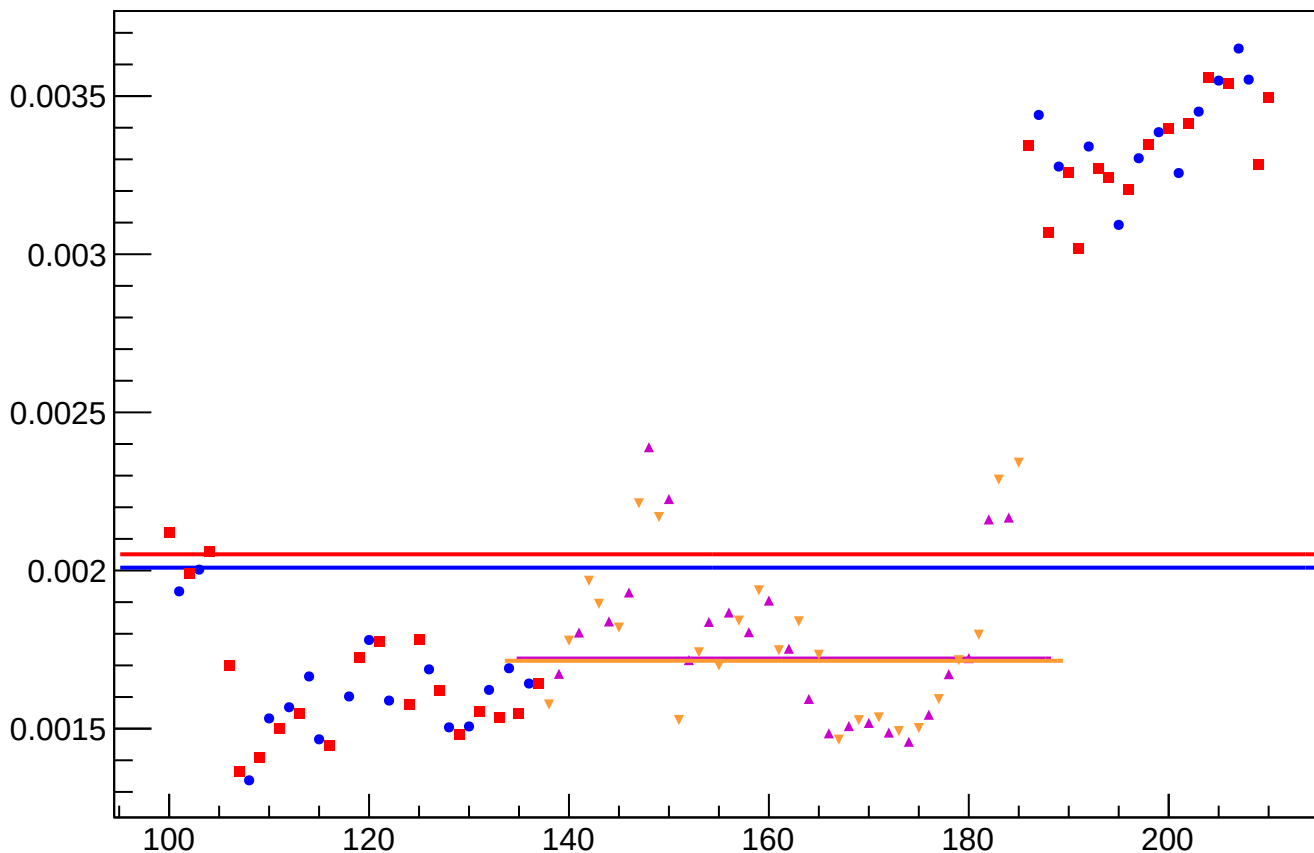
Left In: -3.776+/-0.000 χ^2/NDF : 402659987166.3/22

+ sign -4.001+/-0.000 χ^2/NDF : 1933990481115.3/5

All: -4.020+/-0.000 χ^2/NDF : 3799564592216

- sign -4.039+/-0.000 χ^2/NDF : 1858580248630.4/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3755908.8/26

Left Out: 0.002+/-0.000 χ^2/NDF : 562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF : 4390517.0/32

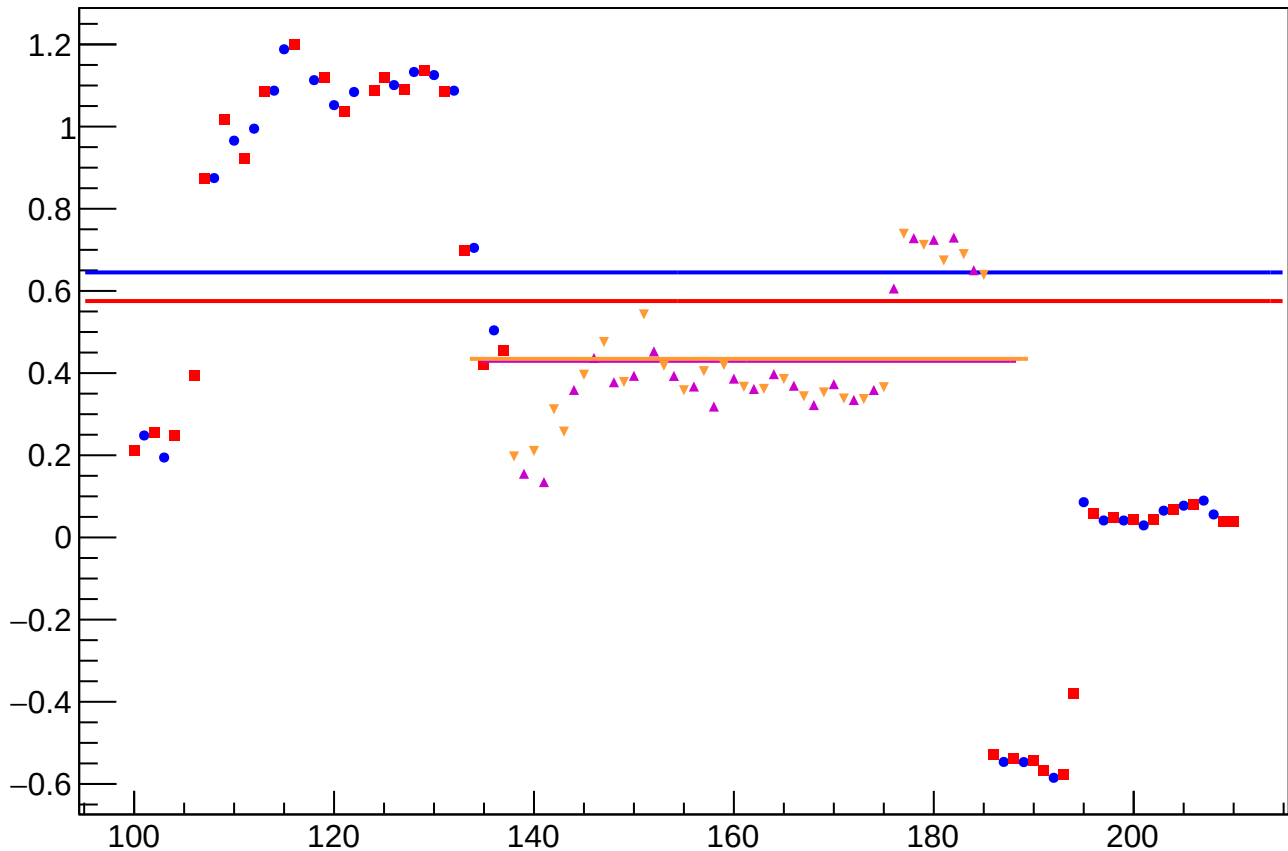
Left In: 0.002+/-0.000 χ^2/NDF : 581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 4698556.9/51

All: 0.002+/-0.000 χ^2/NDF : 10175533.7/107

- sign 0.002+/-0.000 χ^2/NDF : 5467489.0/55

yield_bpm2i02X_mean vs Slug



Right In: 0.645 $\pm$ 0.000 χ^2 /NDF: 68006058712.4/26

Left Out: 0.435 $\pm$ 0.000 χ^2 /NDF: 8515333254.7/24

+ sign 0.515 $\pm$ 0.000 χ^2 /NDF: 83109024124.5/51

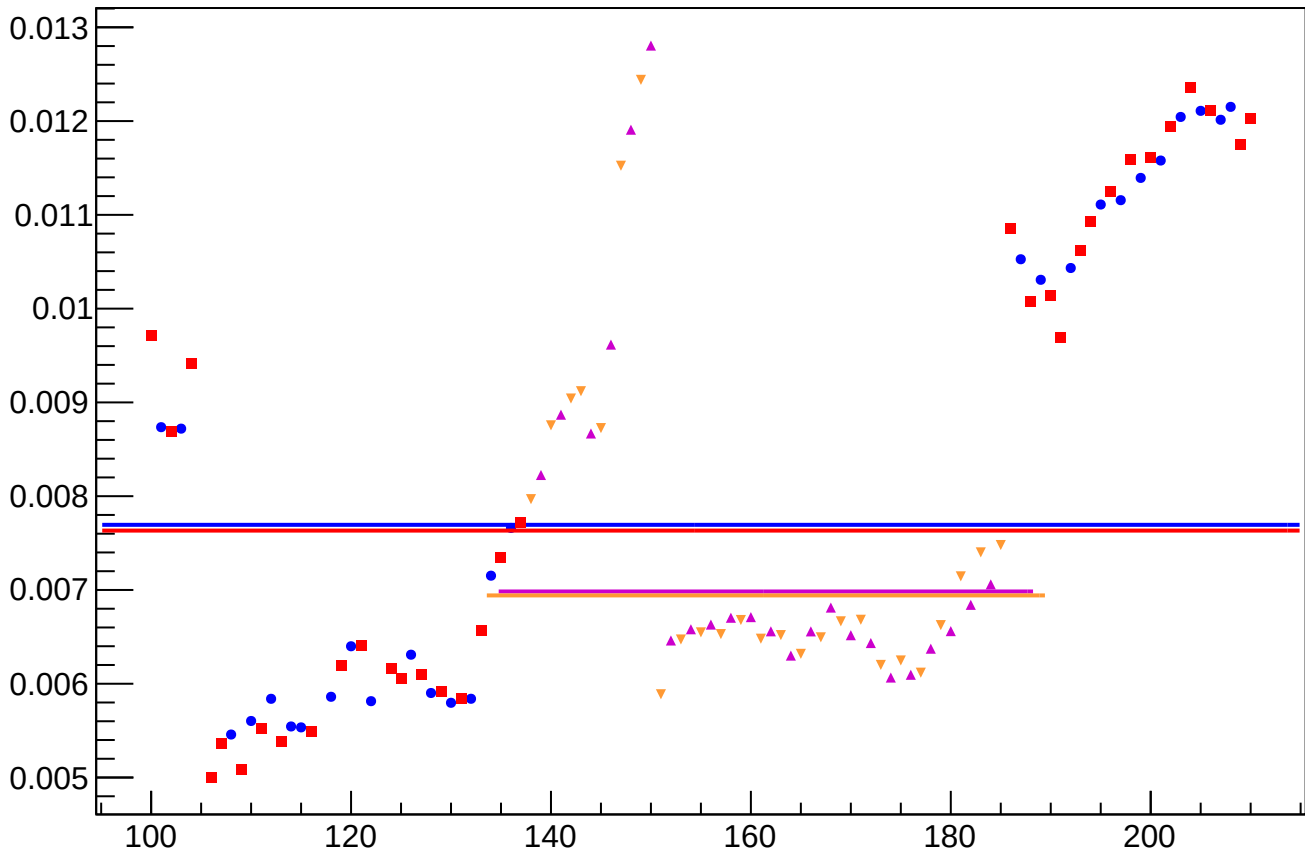
Right Out: 0.575 $\pm$ 0.000 χ^2 /NDF: 90372428095.3/32

All: 0.504 $\pm$ 0.000 χ^2 /NDF: 186012153832.9

Left In: 0.430 $\pm$ 0.000 χ^2 /NDF: 9041195997.1/22

- sign 0.493 $\pm$ 0.000 χ^2 /NDF: 102743921332.4/55

yield_bpm2i02X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2839416.1/26

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1090916.4/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3646765.2/32

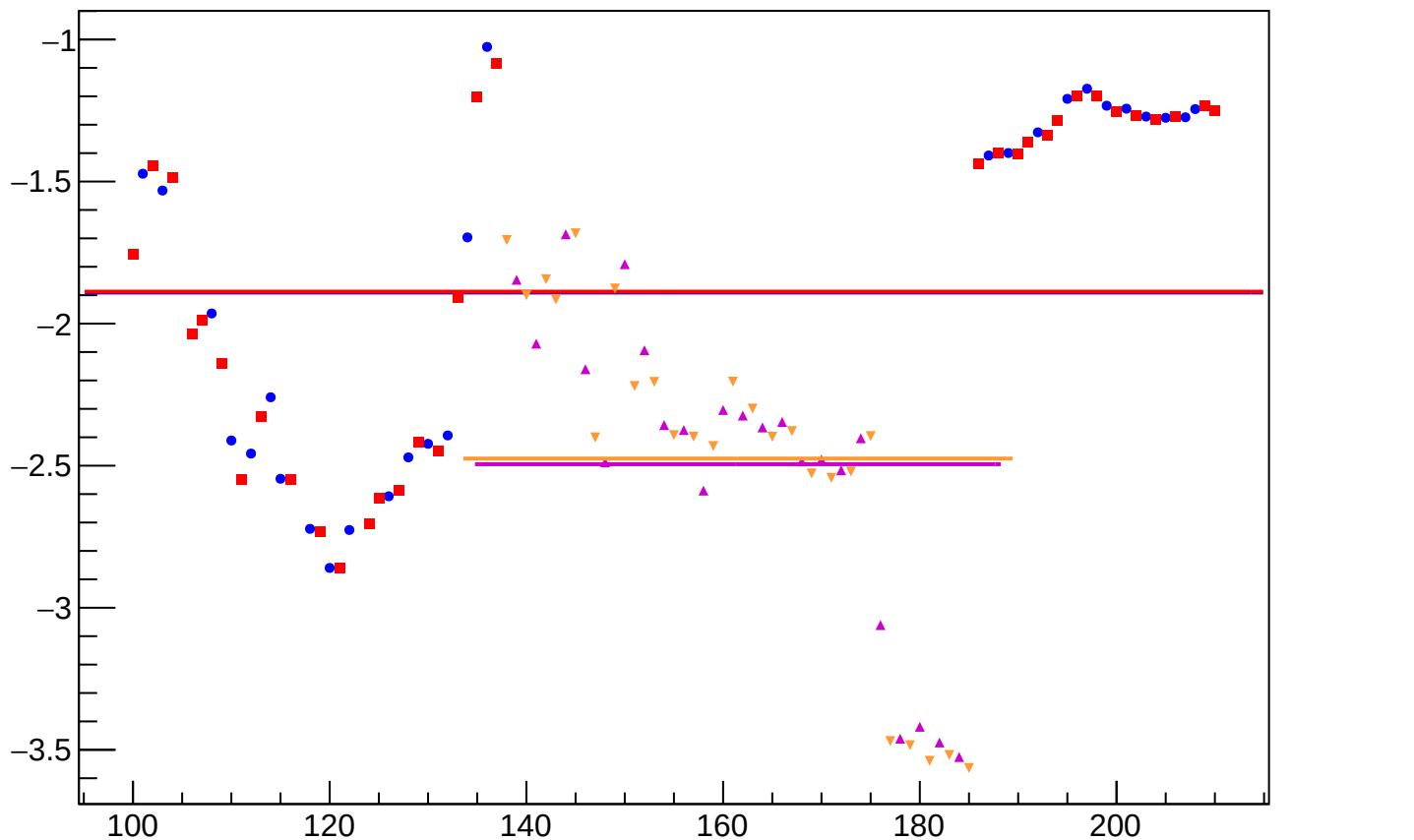
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1136529.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4099091.7/51

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 9015839.9/107

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4915966.6/55

yield_bpm2i02Y_mean vs Slug



Right In: -1.891+/-0.000 χ^2/NDF : 111276498311.6/26

+ sign -2.246+/-0.000 χ^2/NDF : 294995618238.0/51

Left Out: -2.475+/-0.000 χ^2/NDF : 122955897541.5/24

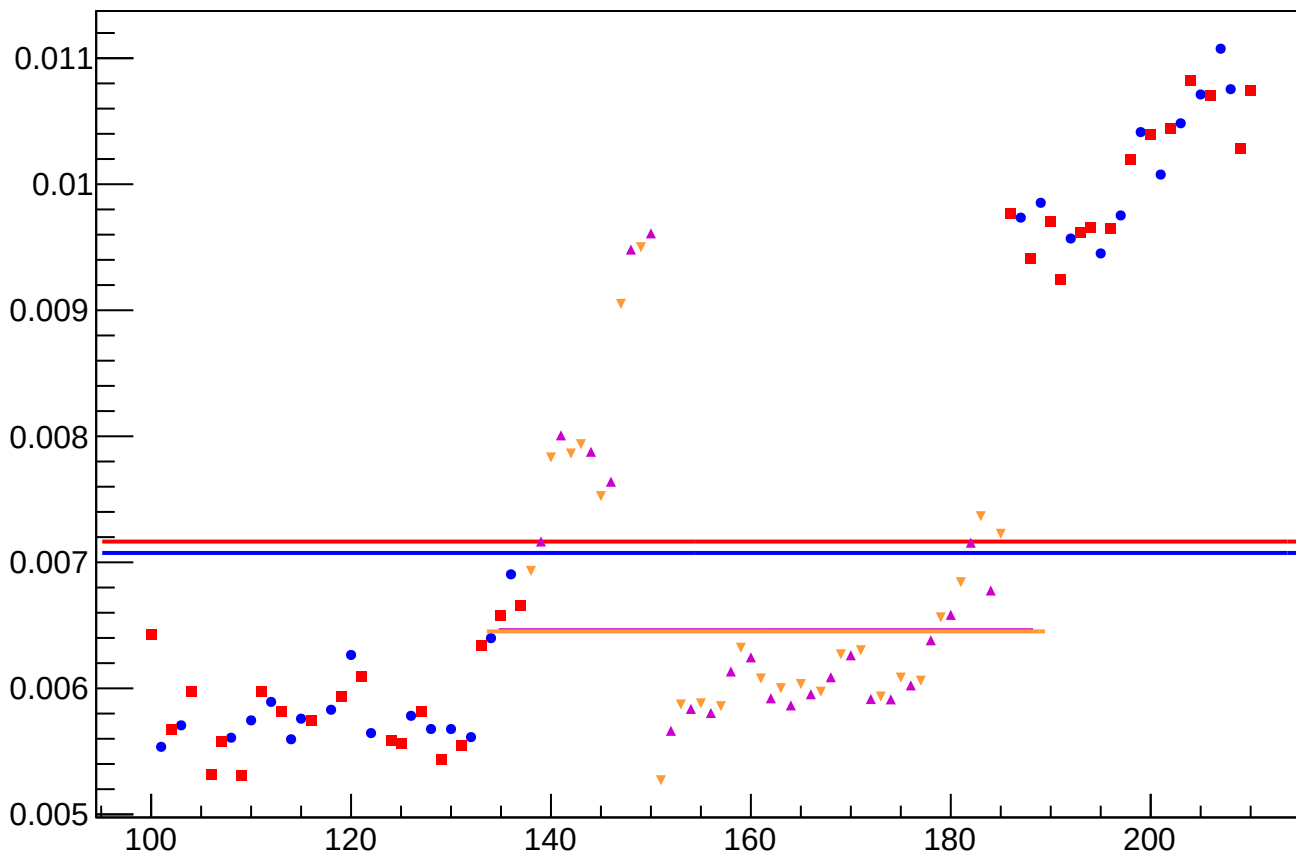
Right Out: -1.888+/-0.000 χ^2/NDF : 112996641729.9/32

All: -2.239+/-0.000 χ^2/NDF : 573148102685.2

- sign -2.233+/-0.000 χ^2/NDF : 278083758622.9/55

Left In: -2.495+/-0.000 χ^2/NDF : 96774638297.6/22

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 2303620.7/26

Left Out: 0.006+/-0.000 χ^2/NDF : 713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 2704457.8/32

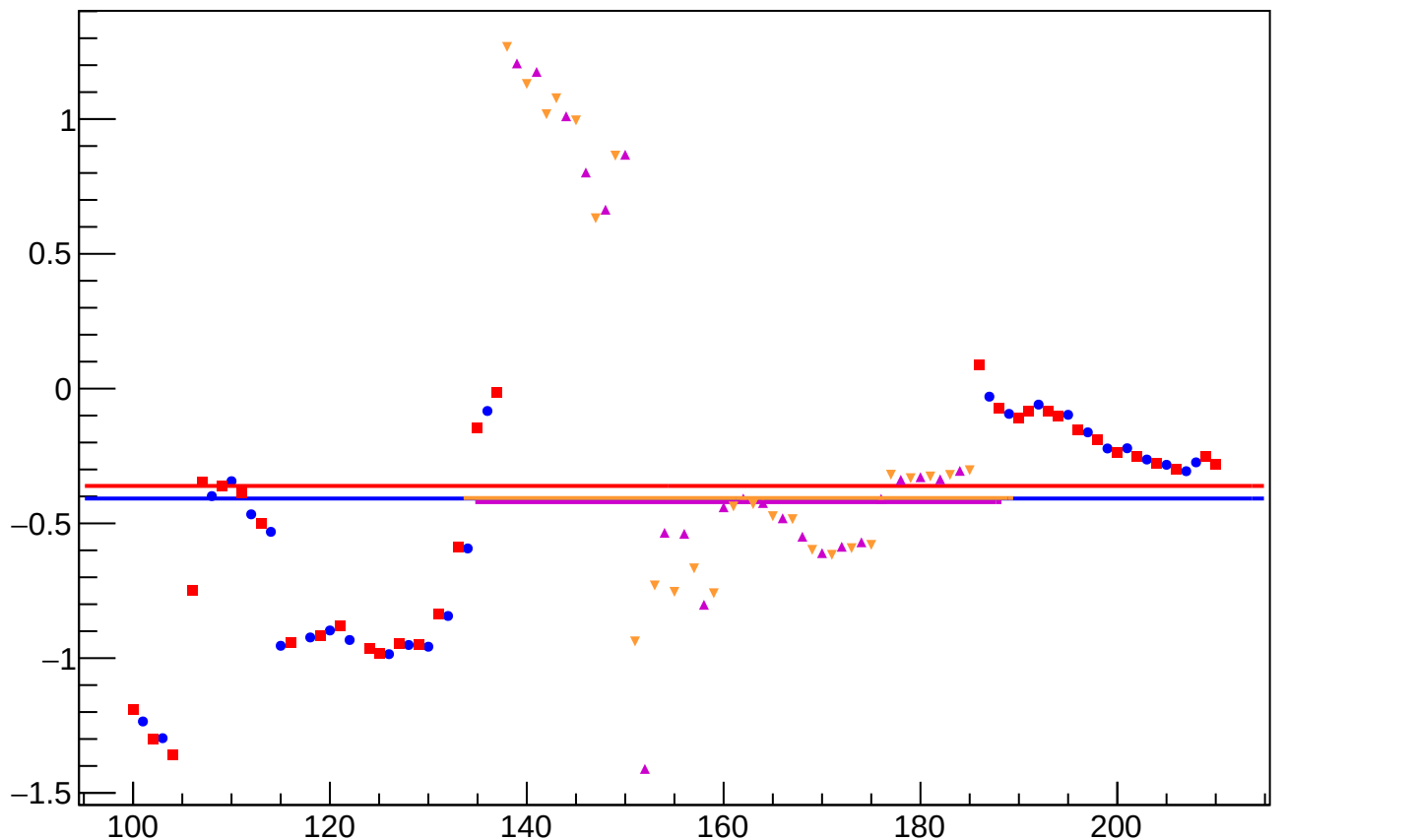
Left In: 0.006+/-0.000 χ^2/NDF : 720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 3154568.0/51

All: 0.007+/-0.000 χ^2/NDF : 6766508.8/107

- sign 0.007+/-0.000 χ^2/NDF : 3608354.2/55

yield_bpm0i01X_mean vs Slug



Right In: -0.408+/-0.000 χ^2 /NDF: 24228049560.6/26

Left Out: -0.406+/-0.000 χ^2 /NDF: 81633647828.2/24

Right Out: -0.361+/-0.000 χ^2 /NDF: 27276099262.0/32

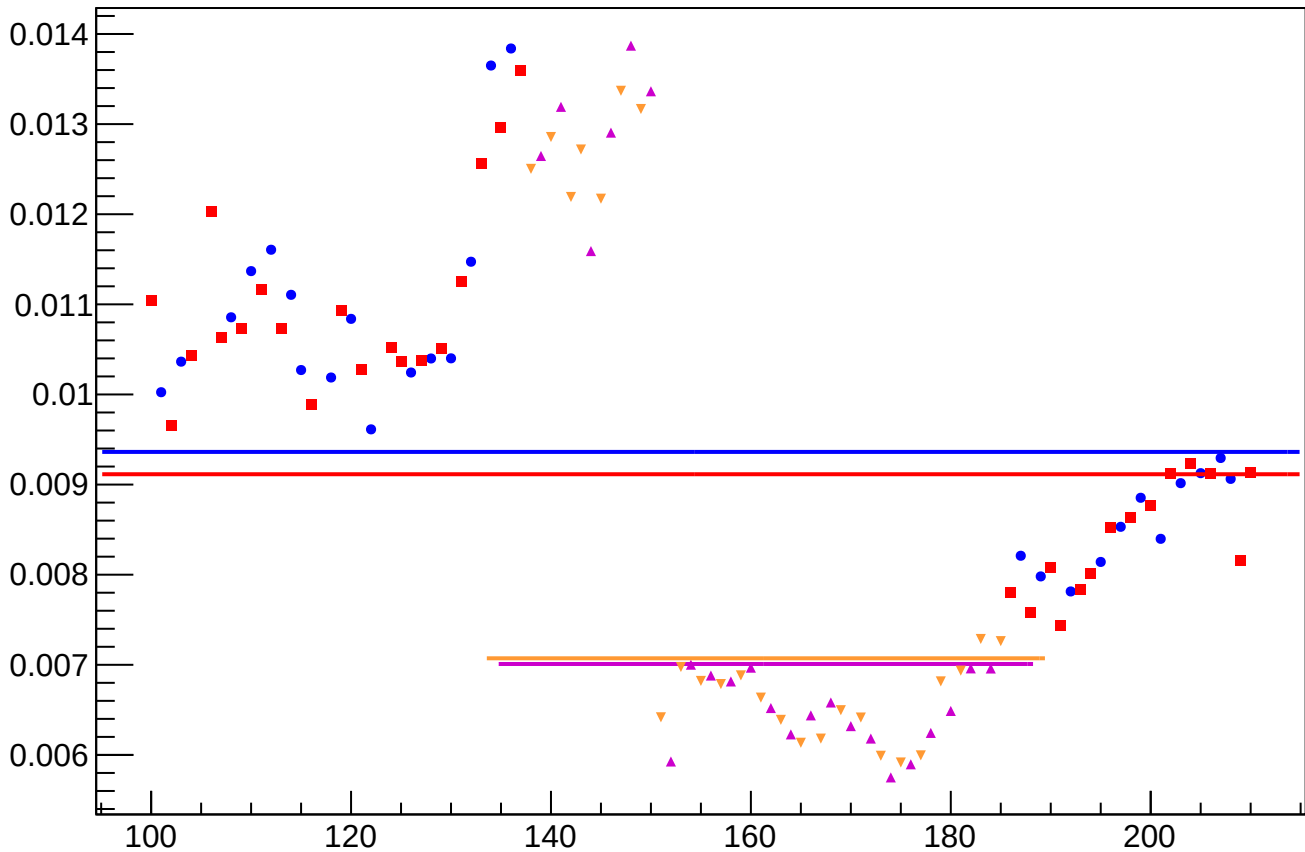
Left In: -0.421+/-0.000 χ^2 /NDF: 90241717621.7/22

+ sign -0.407+/-0.000 χ^2 /NDF: 105862092388.4/51

All: -0.402+/-0.000 χ^2 /NDF: 223866405640.0

- sign -0.398+/-0.000 χ^2 /NDF: 117986041794.5/55

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 628862.8/26

Left Out: 0.007+/-0.000 χ^2/NDF :2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 699589.4/32

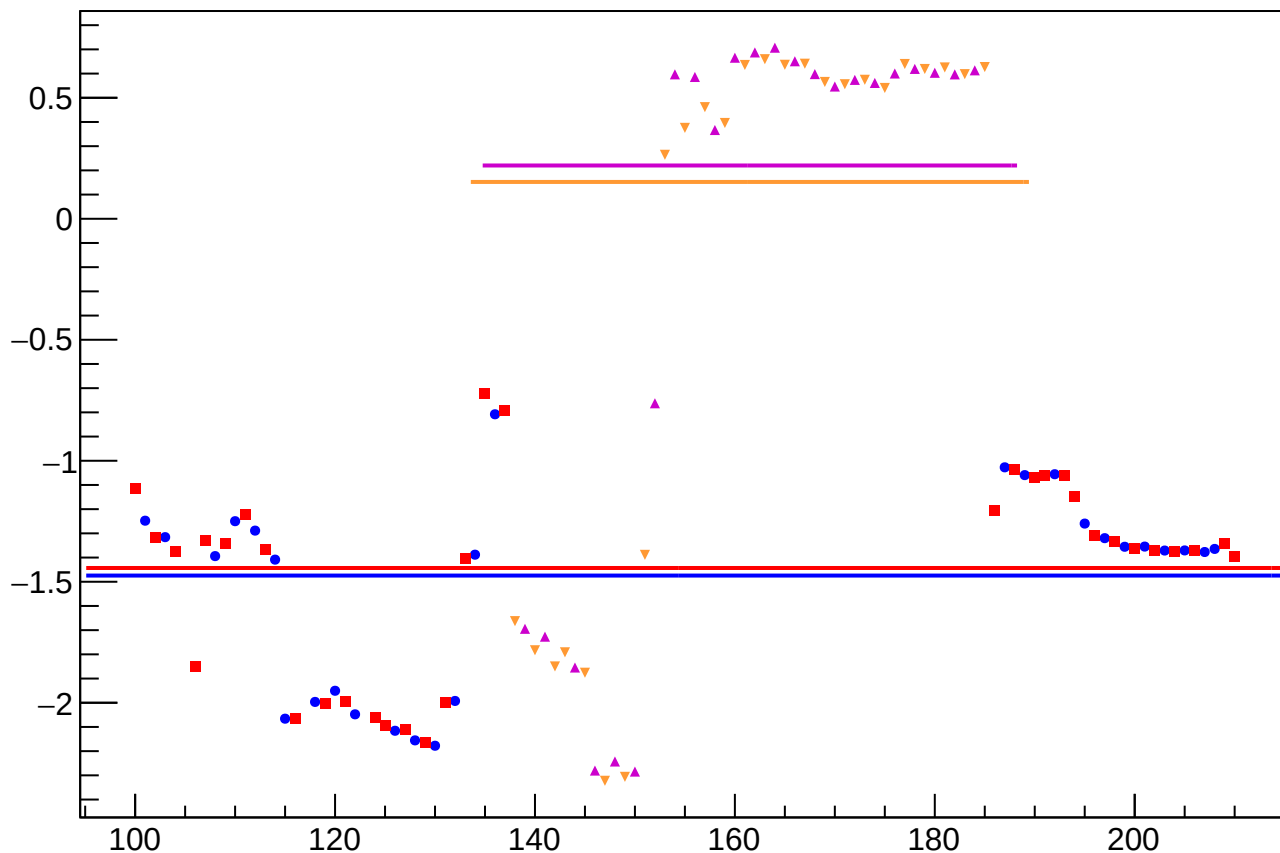
Left In: 0.007+/-0.000 χ^2/NDF :2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 4237531.4/51

All: 0.008+/-0.000 χ^2/NDF : 8544347.4/107

- sign 0.008+/-0.000 χ^2/NDF : 4306695.8/55

yield_bpm0i01Y_mean vs Slug



Right In: -1.474+/-0.000 χ^2 /NDF: 183359495513.3/26

Left Out: 0.152+/-0.000 χ^2 /NDF: 2398778835341.2/24

Right Out: -1.443+/-0.000 χ^2 /NDF: 172639807805.1/32

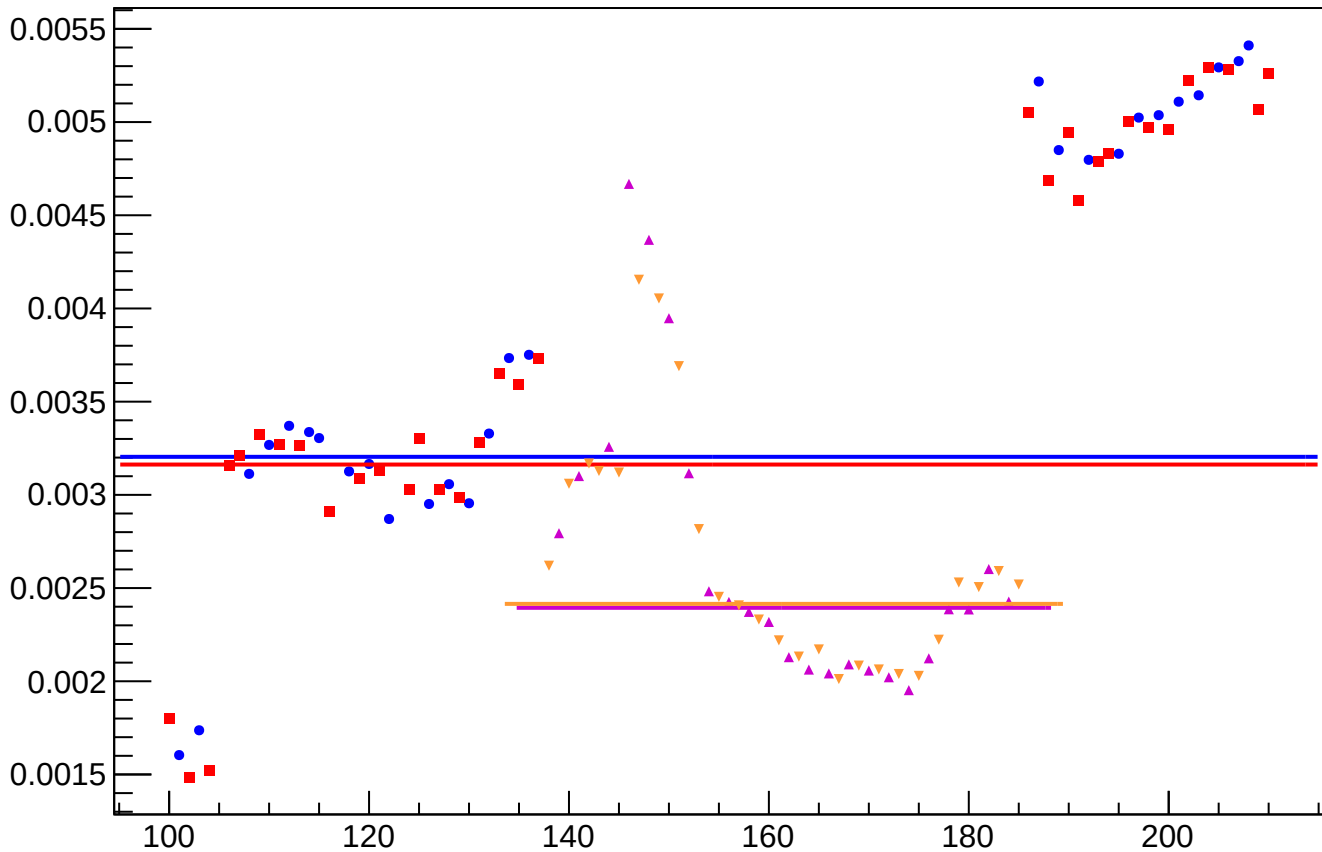
Left In: 0.220+/-0.000 χ^2 /NDF: 2121977245985.6/22

+ sign -0.335+/-0.000 χ^2 /NDF: 4901194785512.7/5

All: -0.339+/-0.000 χ^2 /NDF: 9812007536160

- sign -0.344+/-0.000 χ^2 /NDF: 4910644469080.1/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4242142.8/26

Left Out: 0.002+/-0.000 χ^2/NDF :1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5529176.5/32

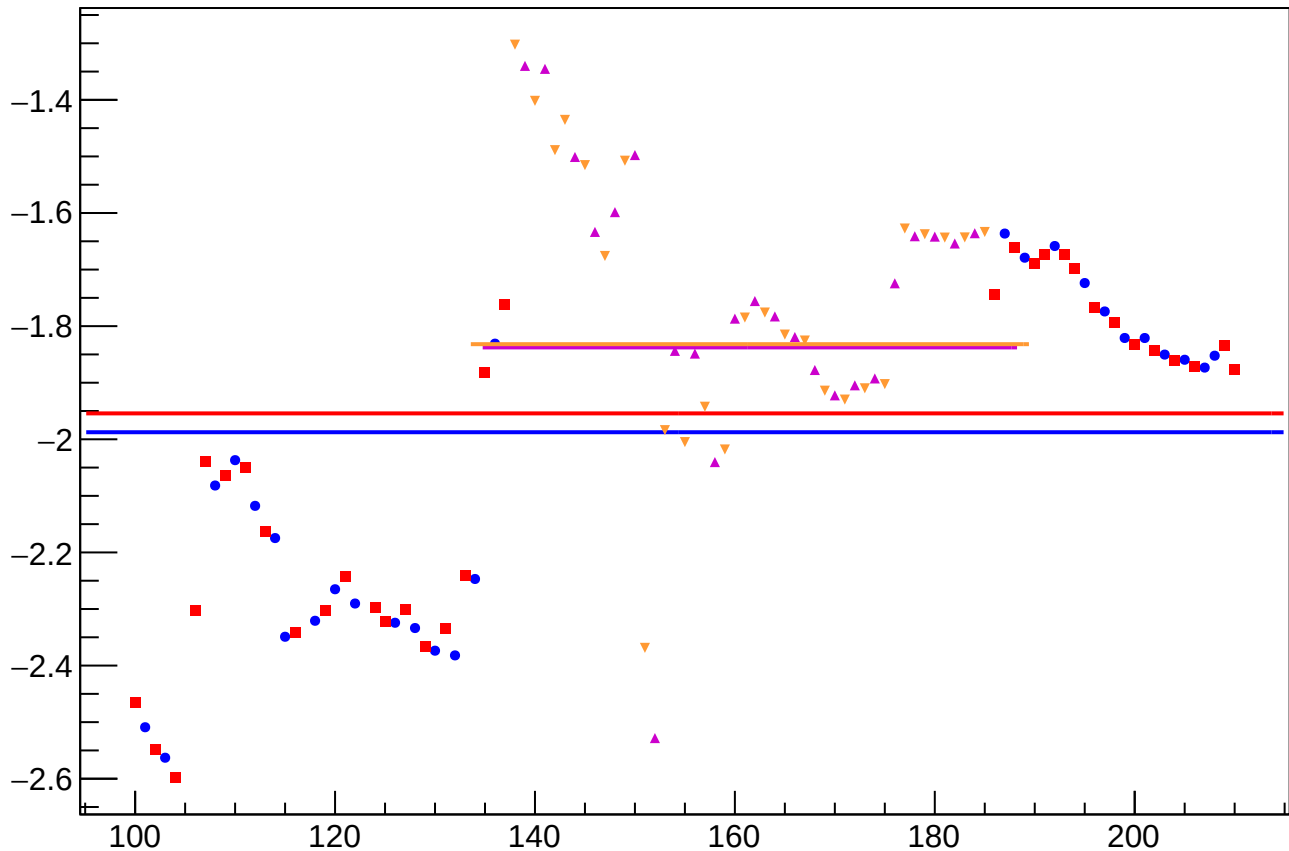
Left In: 0.002+/-0.000 χ^2/NDF :1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF : 6553517.2/51

All: 0.003+/-0.000 χ^2/NDF : 14609504.9/107

- sign 0.003+/-0.000 χ^2/NDF : 8055942.1/55

yield_bpm0i01aX_mean vs Slug



Right In: -1.988+/-0.000 χ^2/NDF : 33387582111.7/26

Left Out: -1.832+/-0.000 χ^2/NDF : 38365576589.1/24

Right Out: -1.954+/-0.000 χ^2/NDF : 37915984484.5/32

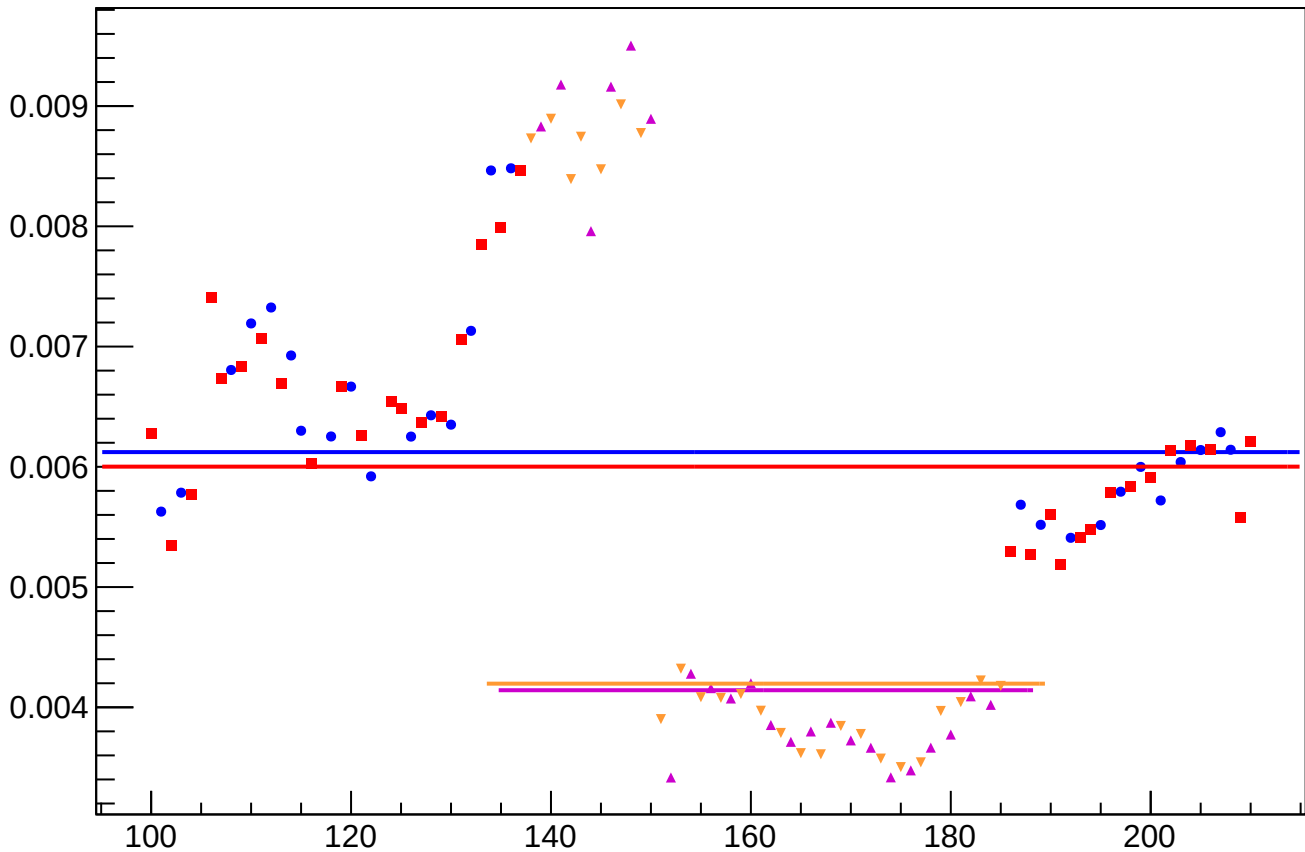
Left In: -1.838+/-0.000 χ^2/NDF : 53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF : 78704124626.7/51

All: -1.877+/-0.000 χ^2/NDF : 174403575187.6

- sign -1.877+/-0.000 χ^2/NDF : 95699319675.5/55

yield_bpm0i01aX_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 366962.5/26

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:3091489.2/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 391728.3/32

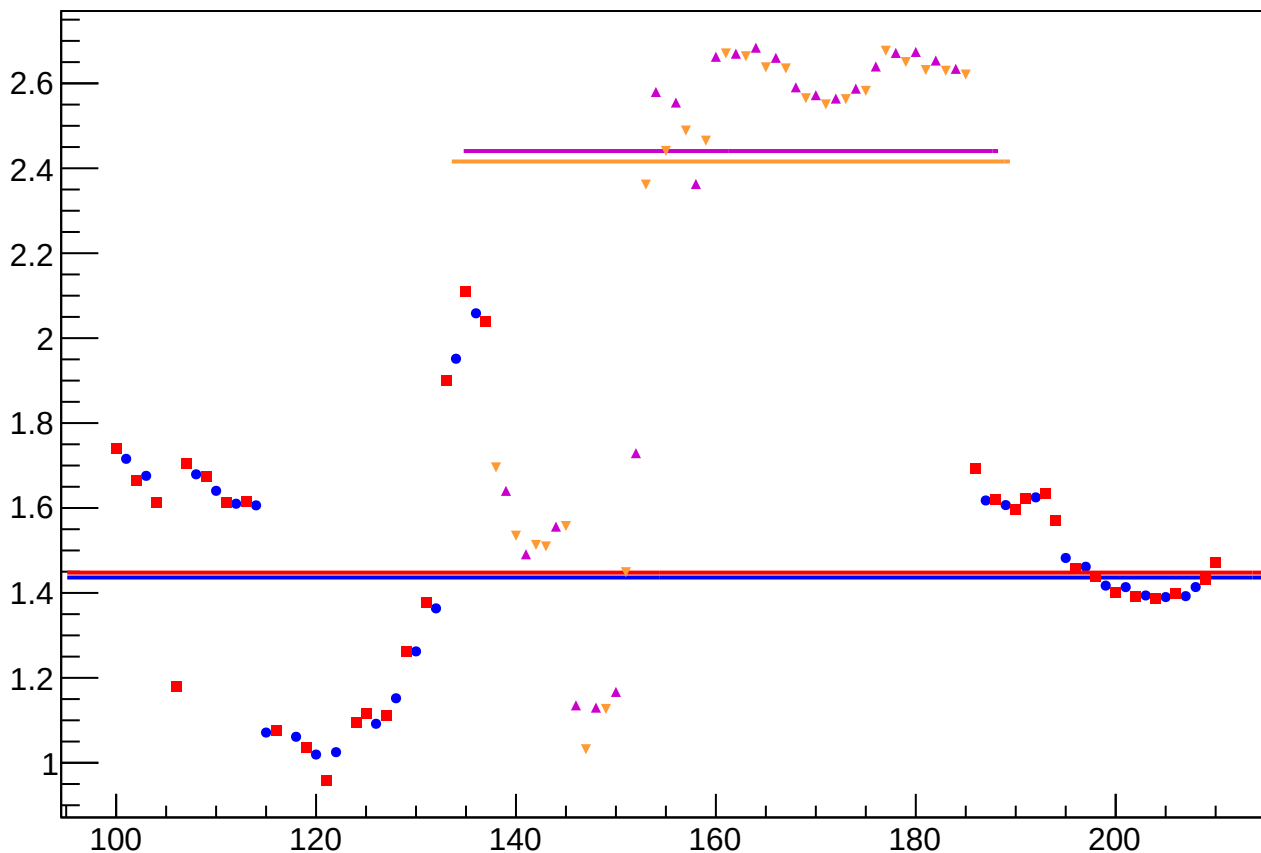
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:3193924.3/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5586288.7/51

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 11381620.7/107

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5795171.8/55

yield_bpm0i01aY_mean vs Slug



Right In: 1.436+/-0.000 χ^2/NDF : 191483299925.3/26

Left Out: 2.416+/-0.000 χ^2/NDF : 242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF : 186648163165.4/32

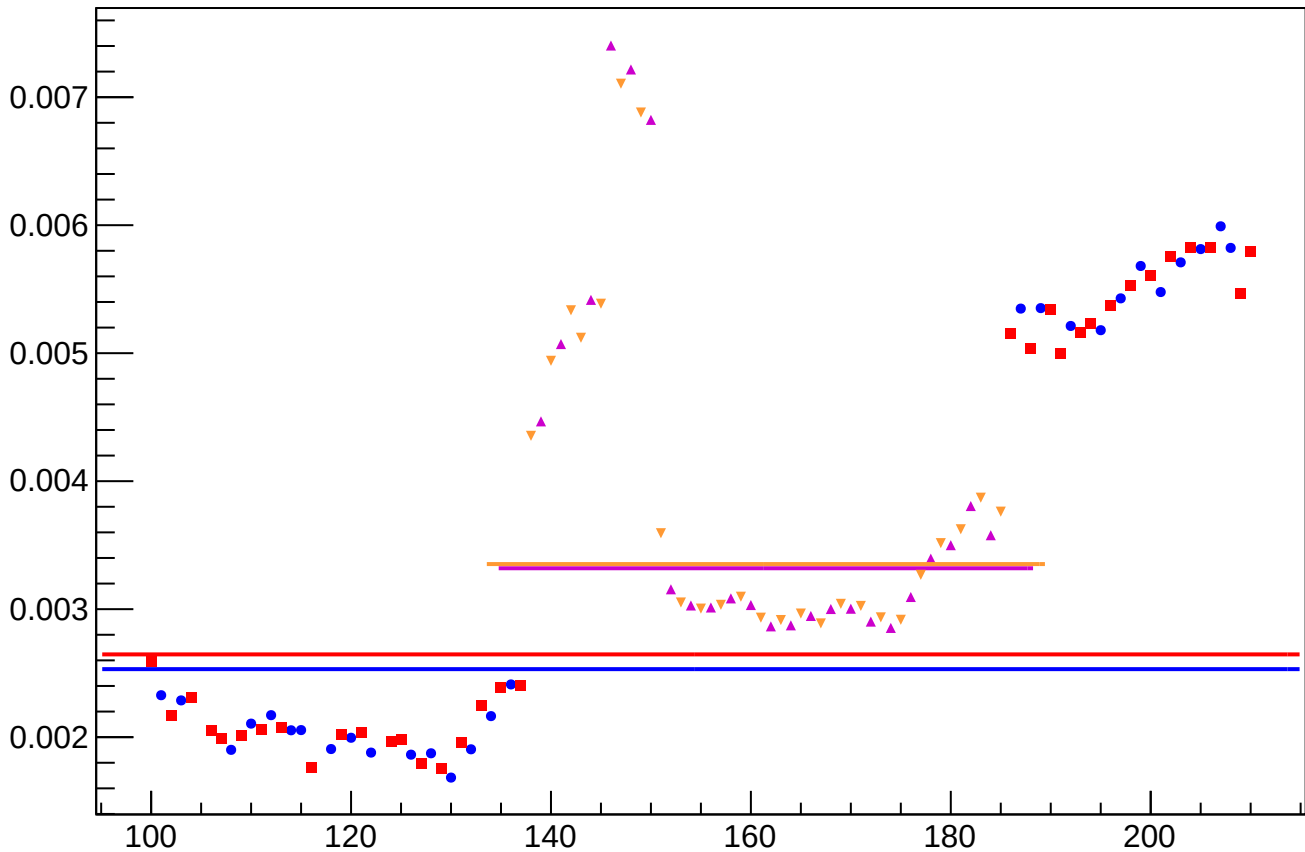
Left In: 2.441+/-0.000 χ^2/NDF : 231724954471.8/22

+ sign 1.877+/-0.000 χ^2/NDF : 1254780583545.8/51

All: 1.874+/-0.000 χ^2/NDF : 2509581793103.

- sign 1.872+/-0.000 χ^2/NDF : 1254766616936.0/55

yield_bpm0i01aY_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 6045604.8/26

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:1819921.4/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 6957591.2/32

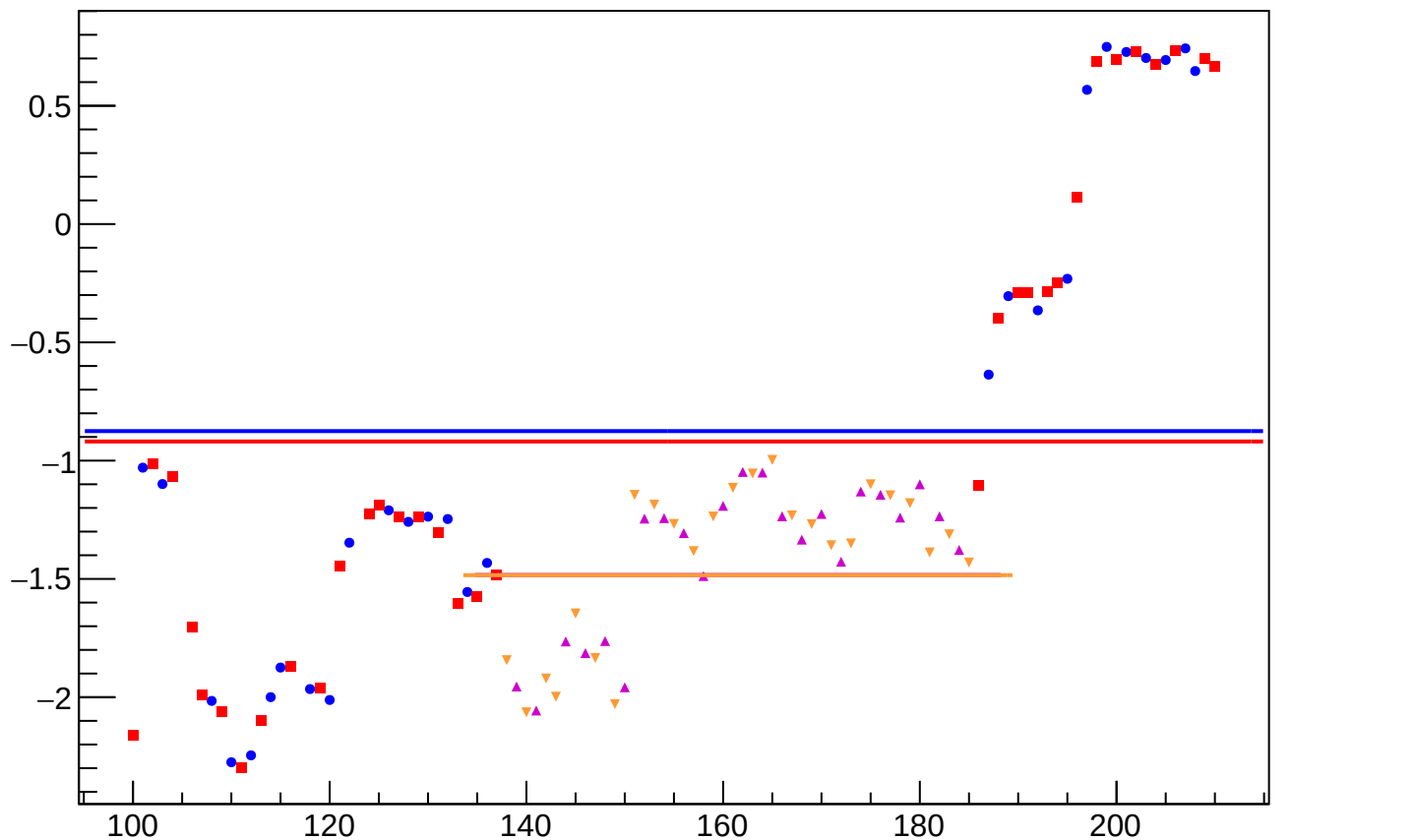
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:2055631.9/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 9017382.2/51

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 18803148.2/107

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 9781802.5/55

yield_bpm0l01X_mean vs Slug



Right In: -0.875 ± 0.000 $\chi^2/\text{NDF}: 203341737699.6/26$

Left Out: -1.484 ± 0.000 $\chi^2/\text{NDF}: 48438764764.6/24$

Right Out: -0.919 ± 0.000 $\chi^2/\text{NDF}: 259008116576.5/32$

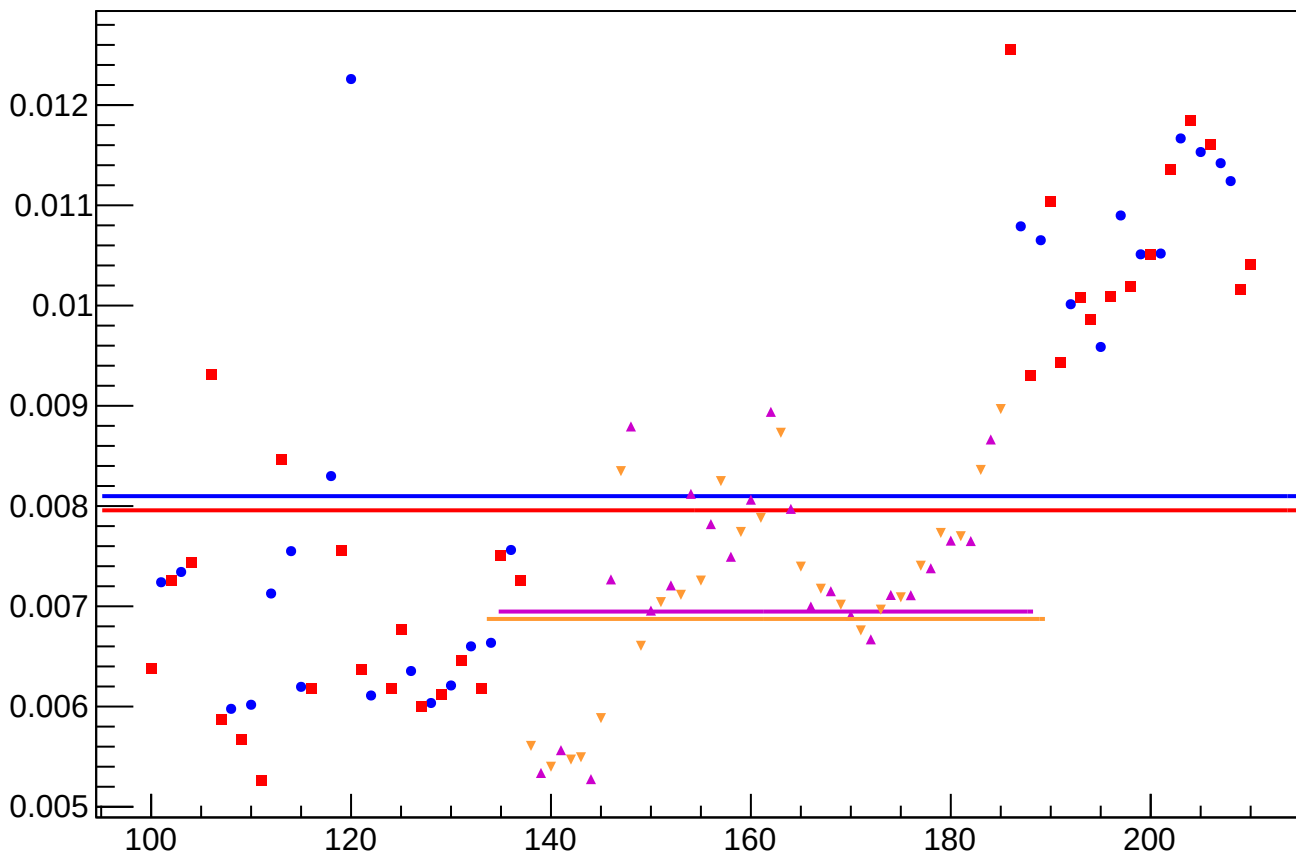
Left In: -1.483 ± 0.000 $\chi^2/\text{NDF}: 40353431150.9/22$

+ sign -1.266 ± 0.000 $\chi^2/\text{NDF}: 302707314651.1/51$

All: -1.256 ± 0.000 $\chi^2/\text{NDF}: 649482670341.7$

- sign -1.246 ± 0.000 $\chi^2/\text{NDF}: 346651439359.6/55$

yield_bpm0l01X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1798674.3/26

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 745531.3/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 2193983.6/32

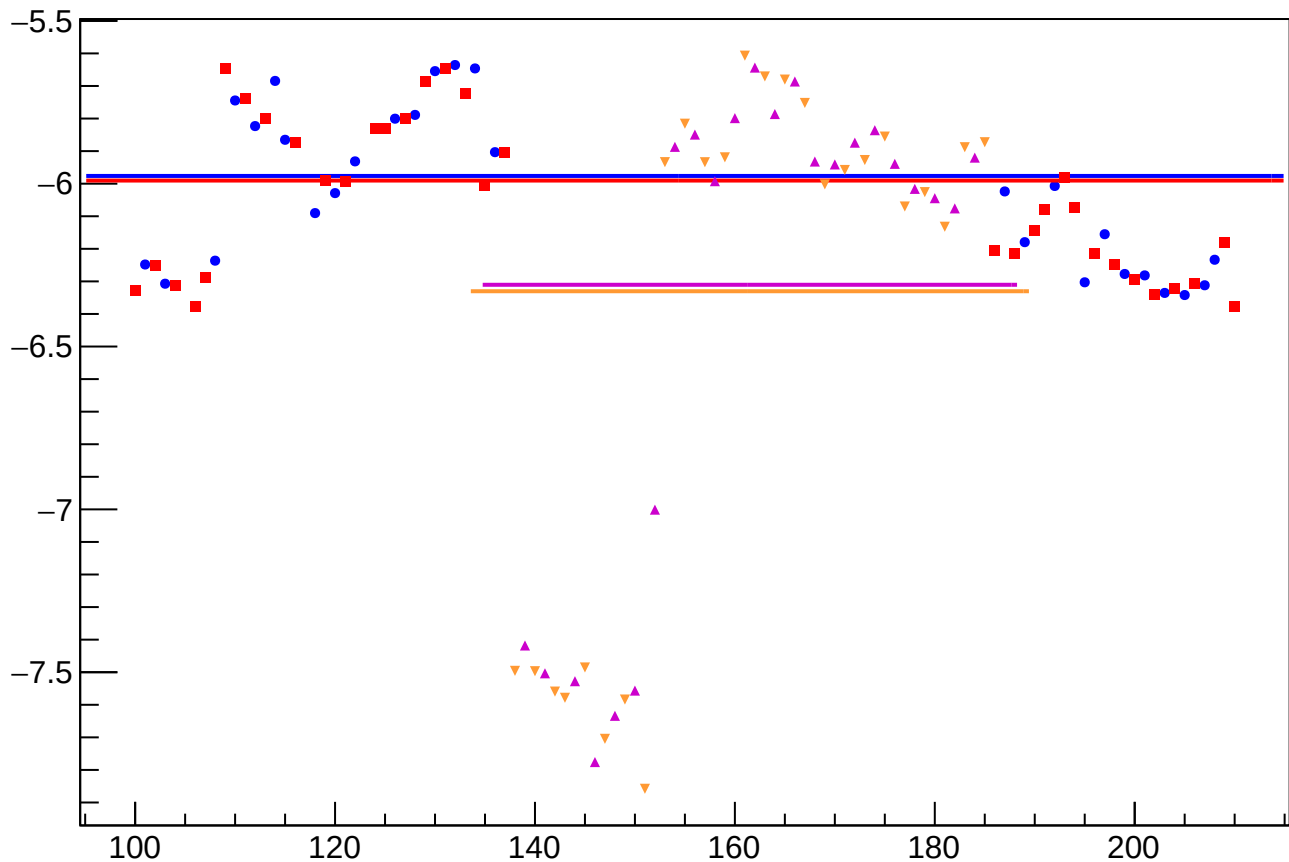
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 746731.6/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2956288.7/51

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 6202082.5/107

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3243623.6/55

yield_bpm0l01Y_mean vs Slug



Right In: -5.976+/-0.000 χ^2/NDF : 15779223792.2/26

Left Out: -6.330+/-0.000 χ^2/NDF : 110328634370.4/24

Right Out: -5.990+/-0.000 χ^2/NDF : 17136487000.8/32

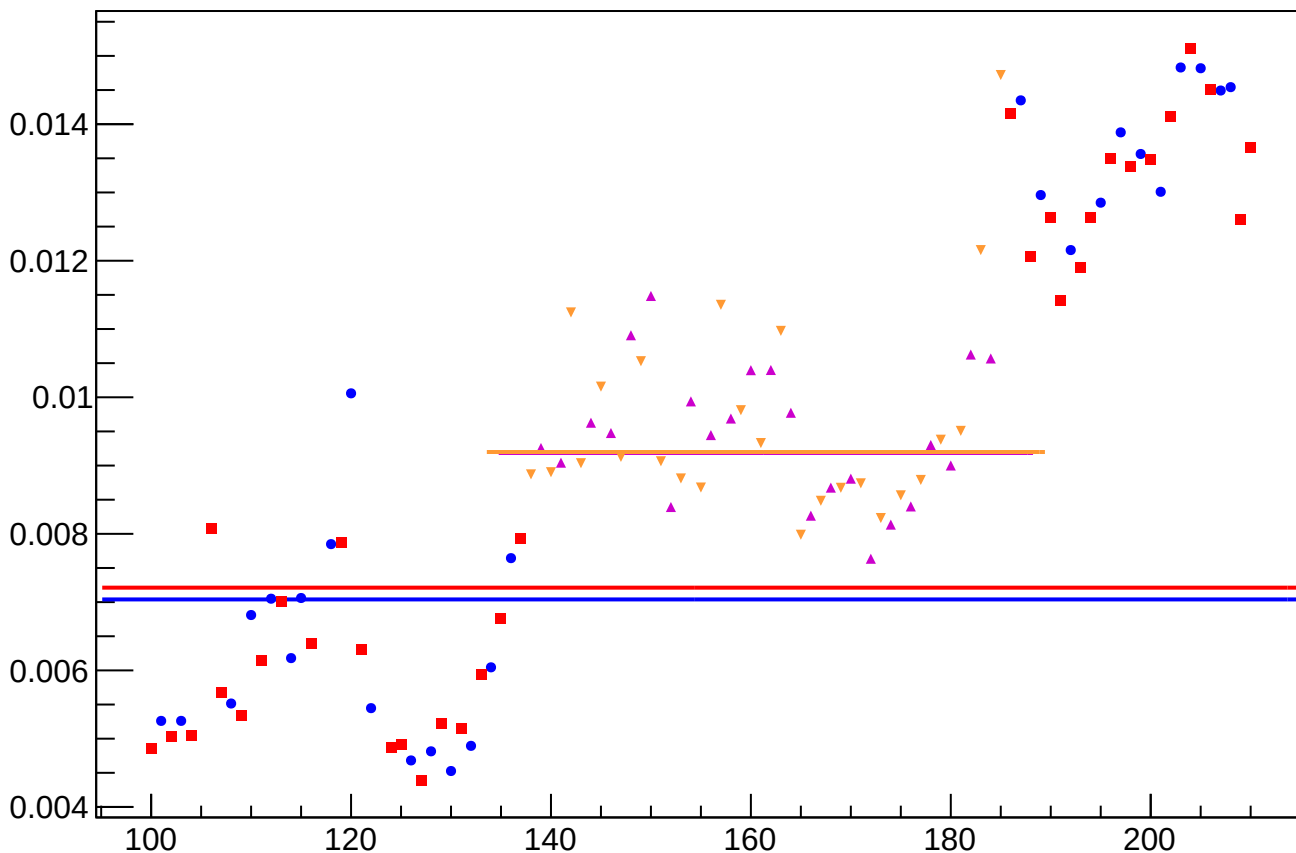
Left In: -6.310+/-0.000 χ^2/NDF : 91689184100.9/22

+ sign -6.132+/-0.000 χ^2/NDF : 139491126739.7/51

All: -6.126+/-0.000 χ^2/NDF : 259495277485.9

- sign -6.120+/-0.000 χ^2/NDF : 119970796404.3/55

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 5277277.3/26

Left Out: 0.009+/-0.000 χ^2/NDF : 367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 5810747.2/32

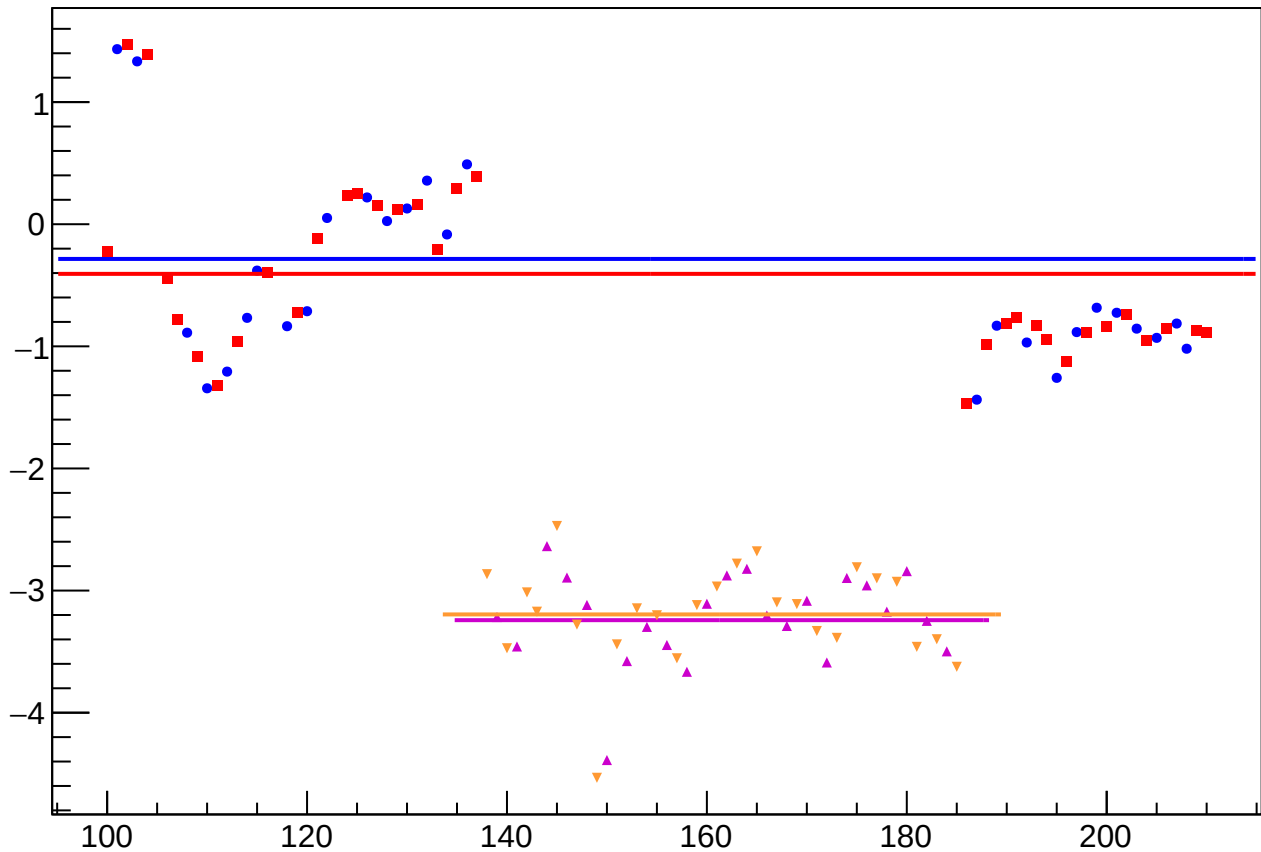
Left In: 0.009+/-0.000 χ^2/NDF : 319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF : 6640029.1/51

All: 0.008+/-0.000 χ^2/NDF : 13616526.6/107

- sign 0.008+/-0.000 χ^2/NDF : 6976329.2/55

yield_bpm0l02X_mean vs Slug



Right In: -0.284±/0.000 χ^2 /NDF: 34267362735.8/26

Left Out: -3.195±/0.000 χ^2 /NDF: 9538006171.4/24

Right Out: -0.407±/0.000 χ^2 /NDF: 36251060680.9/32

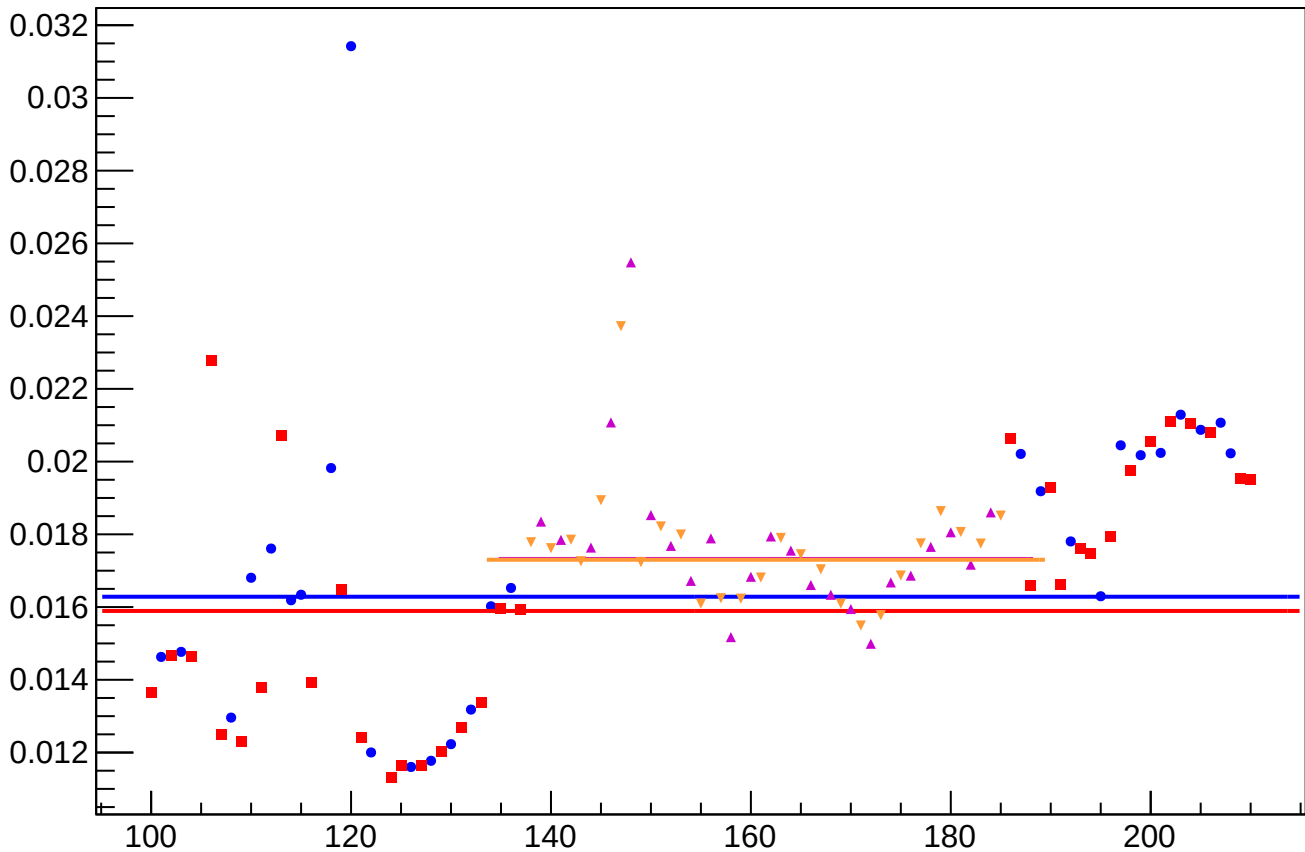
Left In: -3.242±/0.000 χ^2 /NDF: 7955956403.6/22

+ sign -1.844±/0.000 χ^2 /NDF: 287988656730.4/51

All: -1.790±/0.000 χ^2 /NDF: 581642360338.3

- sign -1.740±/0.000 χ^2 /NDF: 293007936274.9/55

yield_bpm0l02X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 1351222.6/26

Left Out: 0.017+/-0.000 χ^2/NDF :218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF : 1441127.6/32

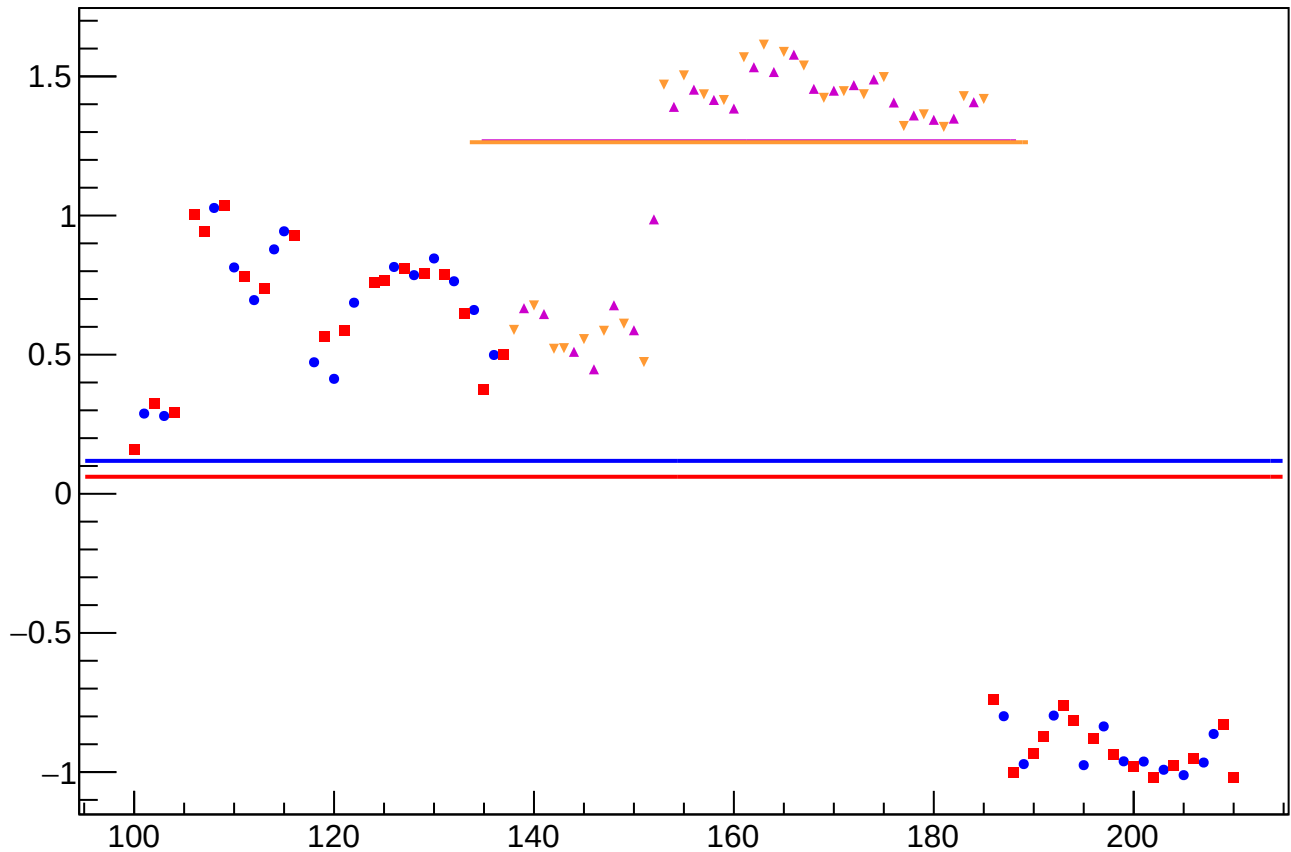
Left In: 0.017+/-0.000 χ^2/NDF :329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF : 1628872.0/51

All: 0.017+/-0.000 χ^2/NDF : 3534729.6/107

- sign 0.017+/-0.000 χ^2/NDF : 1897522.7/55

yield_bpm0l02Y_mean vs Slug



Right In: 0.118+/-0.000 χ^2/NDF : 77416102807.8/26

Left Out: 1.263+/-0.000 χ^2/NDF : 45594559273.0/24

Right Out: 0.061+/-0.000 χ^2/NDF : 96039652224.6/32

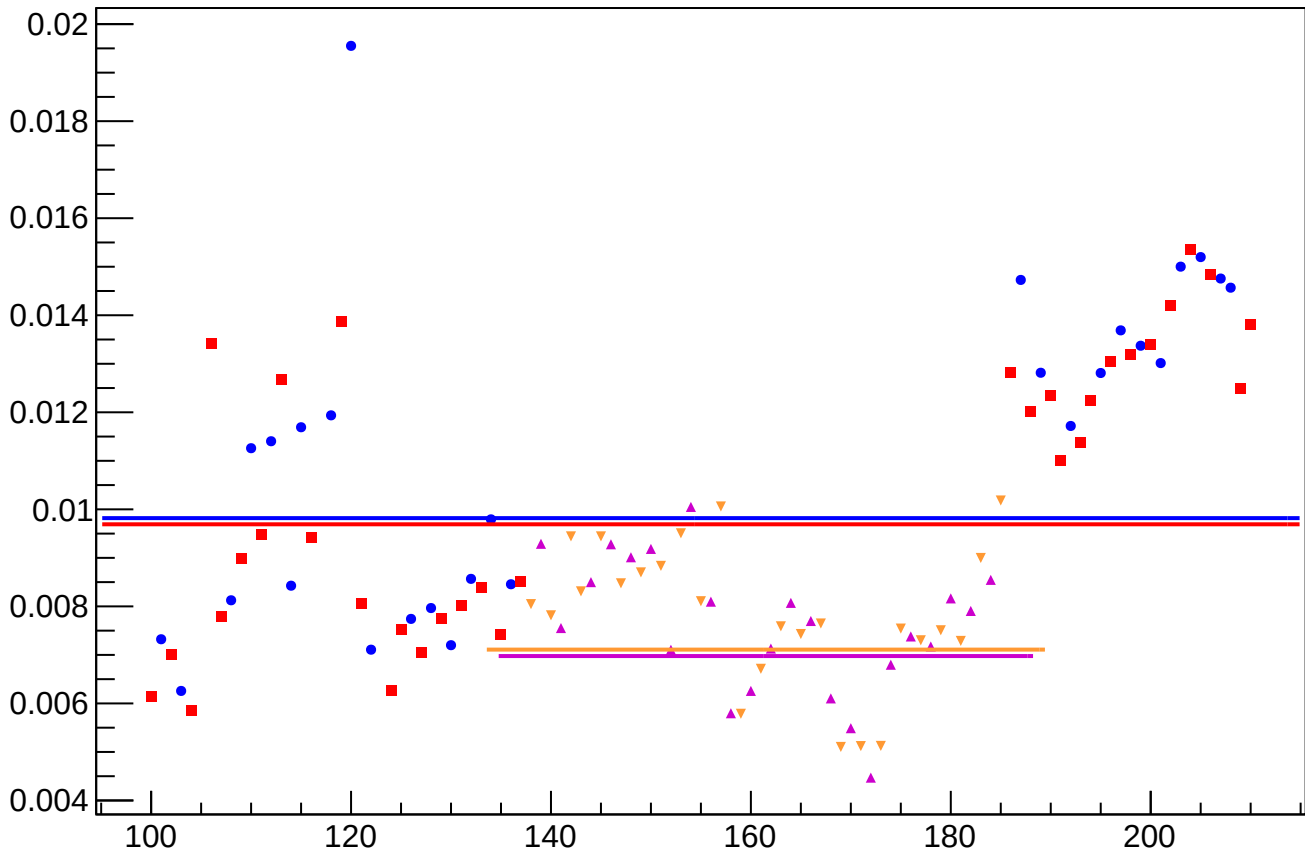
Left In: 1.267+/-0.000 χ^2/NDF : 37614918579.9/22

+ sign 0.928+/-0.000 χ^2/NDF : 252172452692.3/51

All: 0.897+/-0.000 χ^2/NDF : 547450725596.1

- sign 0.867+/-0.000 χ^2/NDF : 294378483999.3/55

yield_bpm0l02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 2545539.7/26

Left Out: 0.007+/-0.000 χ^2/NDF :1519295.8/24

Right Out: 0.010+/-0.000 χ^2/NDF : 2799249.8/32

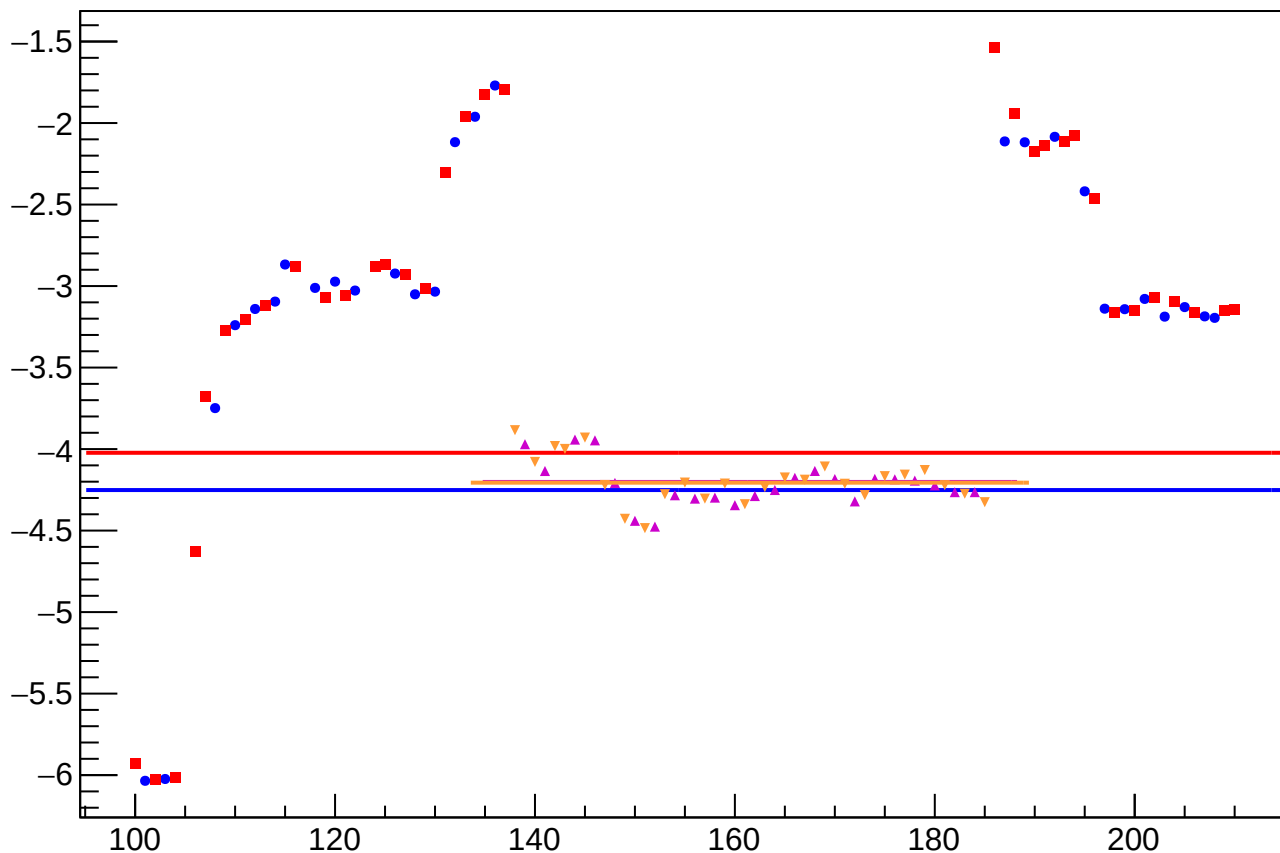
Left In: 0.007+/-0.000 χ^2/NDF :1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF : 5511361.5/51

All: 0.008+/-0.000 χ^2/NDF : 11398808.7/107

- sign 0.008+/-0.000 χ^2/NDF : 5887101.0/55

yield_bpm0l03X_mean vs Slug



Right In: -4.251 ± 0.000 χ^2/NDF : 294466665821.0/26

Left Out: -4.206 ± 0.000 χ^2/NDF : 61558336.8/24

Right Out: -4.023 ± 0.000 χ^2/NDF : 305250792919.3/32

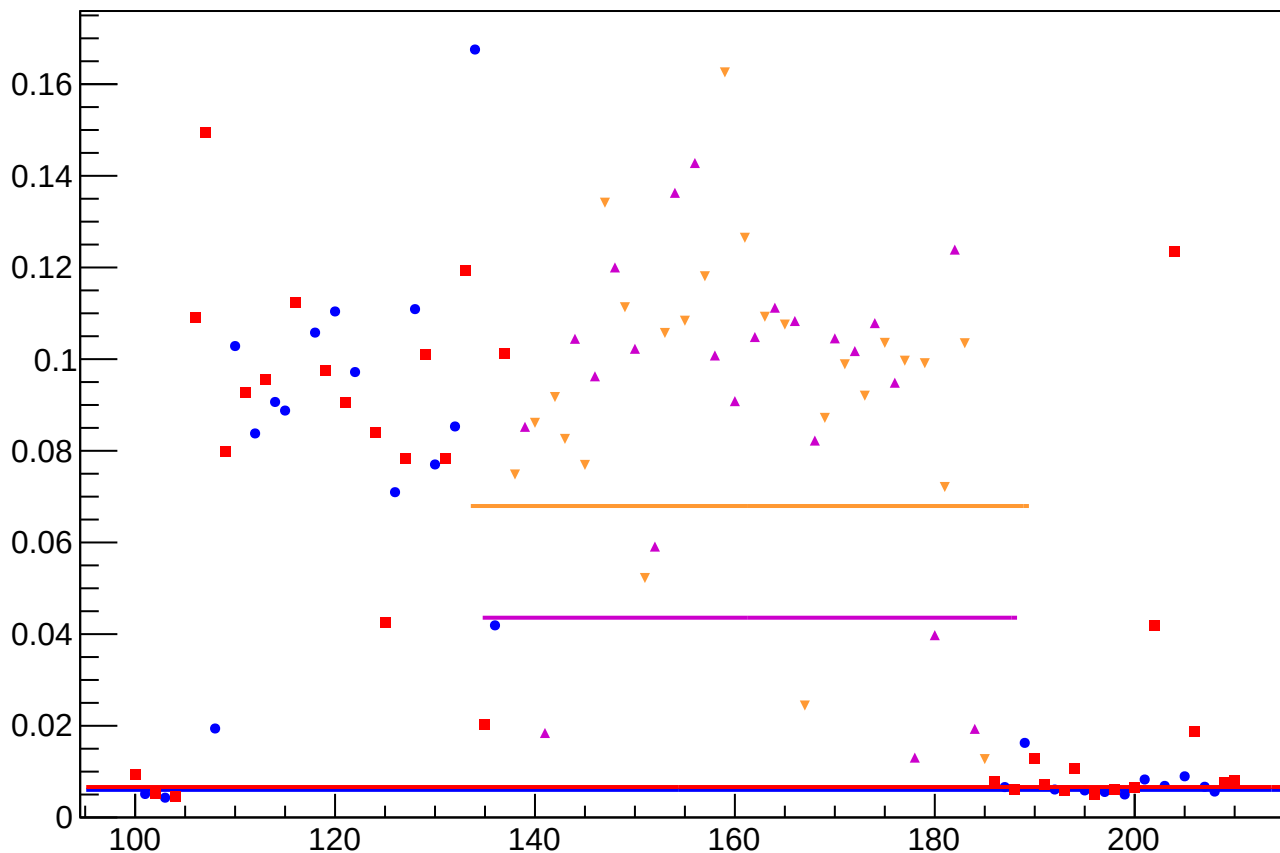
Left In: -4.202 ± 0.000 χ^2/NDF : 42747893.4/22

+ sign -4.250 ± 0.000 χ^2/NDF : 294533558266.3/51

All: -4.150 ± 0.000 χ^2/NDF : 602567390385.2

- sign -4.030 ± 0.000 χ^2/NDF : 305419124688.7/55

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8914270.6/26

Left Out: 0.068 $\pm$ 0.000 χ^2 /NDF:7631751.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10698911.9/32

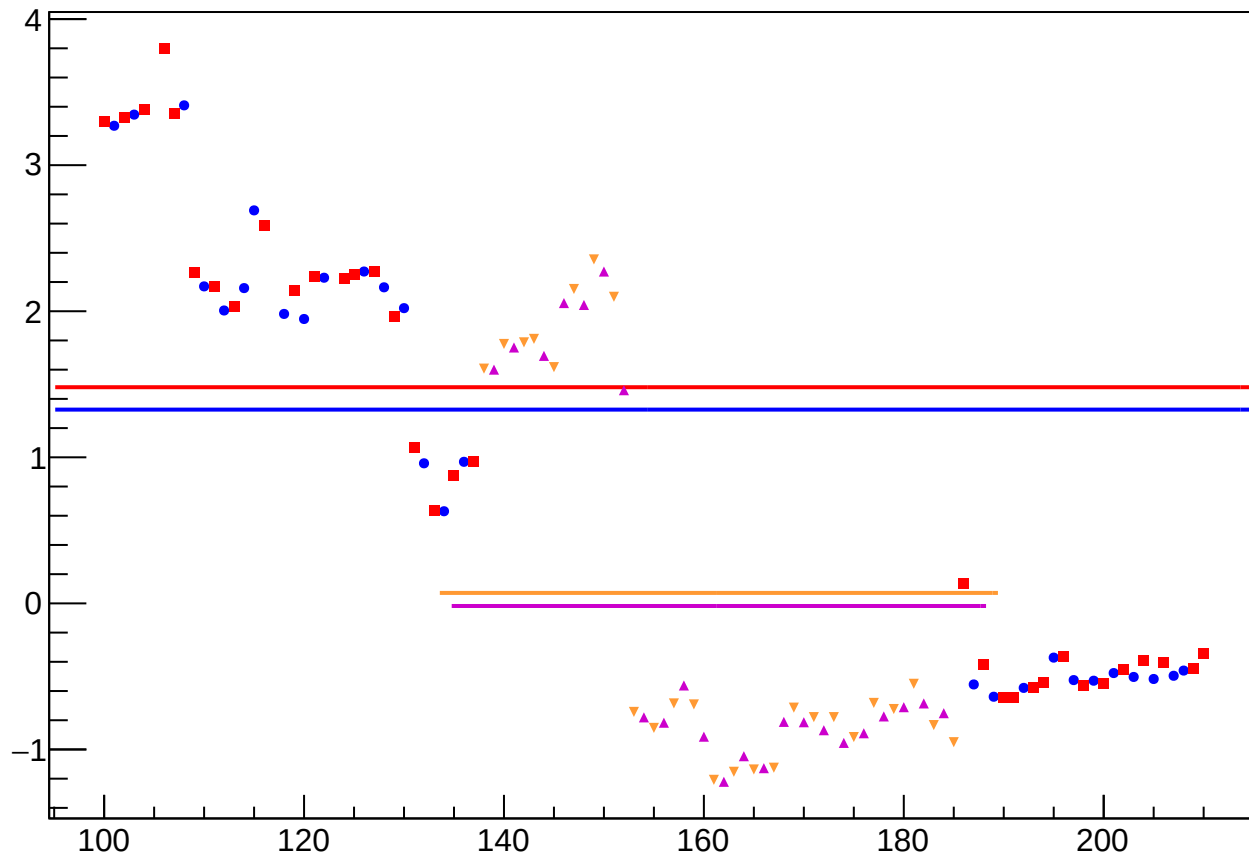
Left In: 0.044 $\pm$ 0.000 χ^2 /NDF:12761920.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 36501596.1/51

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 70731026.6/107

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 34167333.9/55

yield_bpm0l03Y_mean vs Slug



Right In: 1.327+/-0.000 χ^2/NDF : 228782022009.1/26

Left Out: 0.072+/-0.000 χ^2/NDF : 3635027099.6/24

Right Out: 1.480+/-0.000 χ^2/NDF : 202390171294.9/32

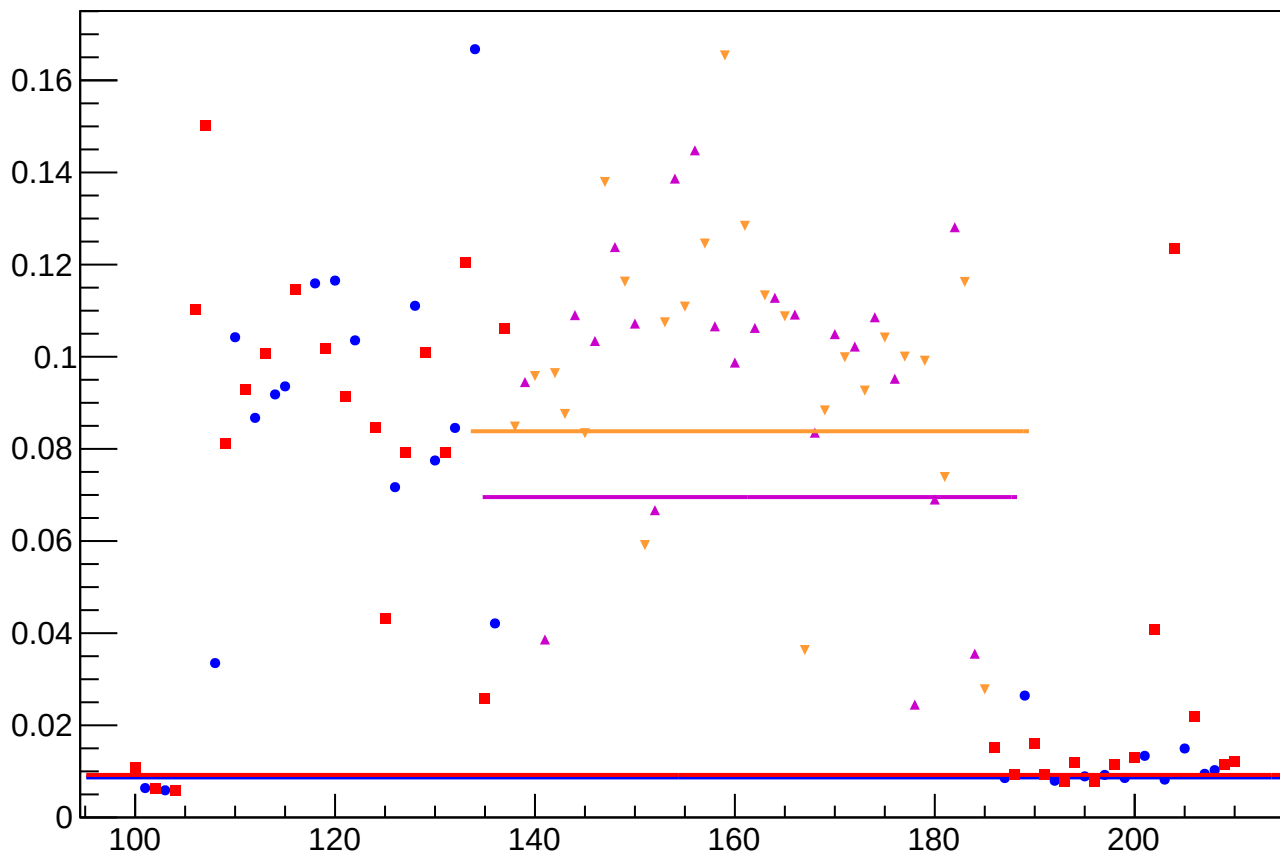
Left In: -0.018+/-0.000 χ^2/NDF : 3455714643.1/22

+ sign 1.287+/-0.000 χ^2/NDF : 235555862015.8/51

All: 1.350+/-0.000 χ^2/NDF : 447065821518.5

- sign 1.420+/-0.000 χ^2/NDF : 210965382922.6/55

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 8773285.8/26

Left Out: 0.084+/-0.000 χ^2/NDF :3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF : 10488806.1/32

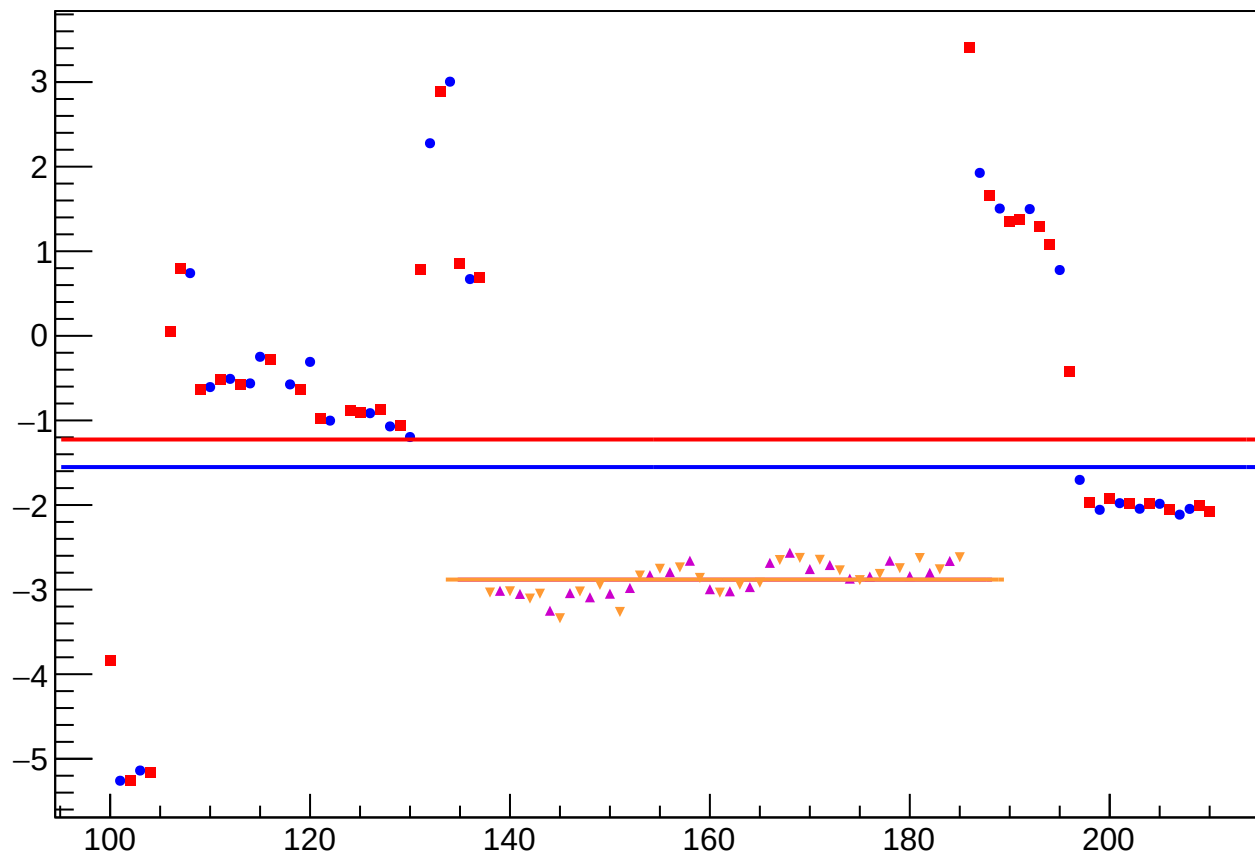
Left In: 0.070+/-0.000 χ^2/NDF :6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF : 35111025.0/51

All: 0.011+/-0.000 χ^2/NDF : 68924066.4/107

- sign 0.012+/-0.000 χ^2/NDF : 33788952.7/55

yield_bpm0l04X_mean vs Slug



Right In: -1.551+/-0.000 χ^2/NDF : 208874729429.8/26

Left Out: -2.881+/-0.000 χ^2/NDF : 10553050715.1/24

Right Out: -1.225+/-0.000 χ^2/NDF : 238773897316.4/32

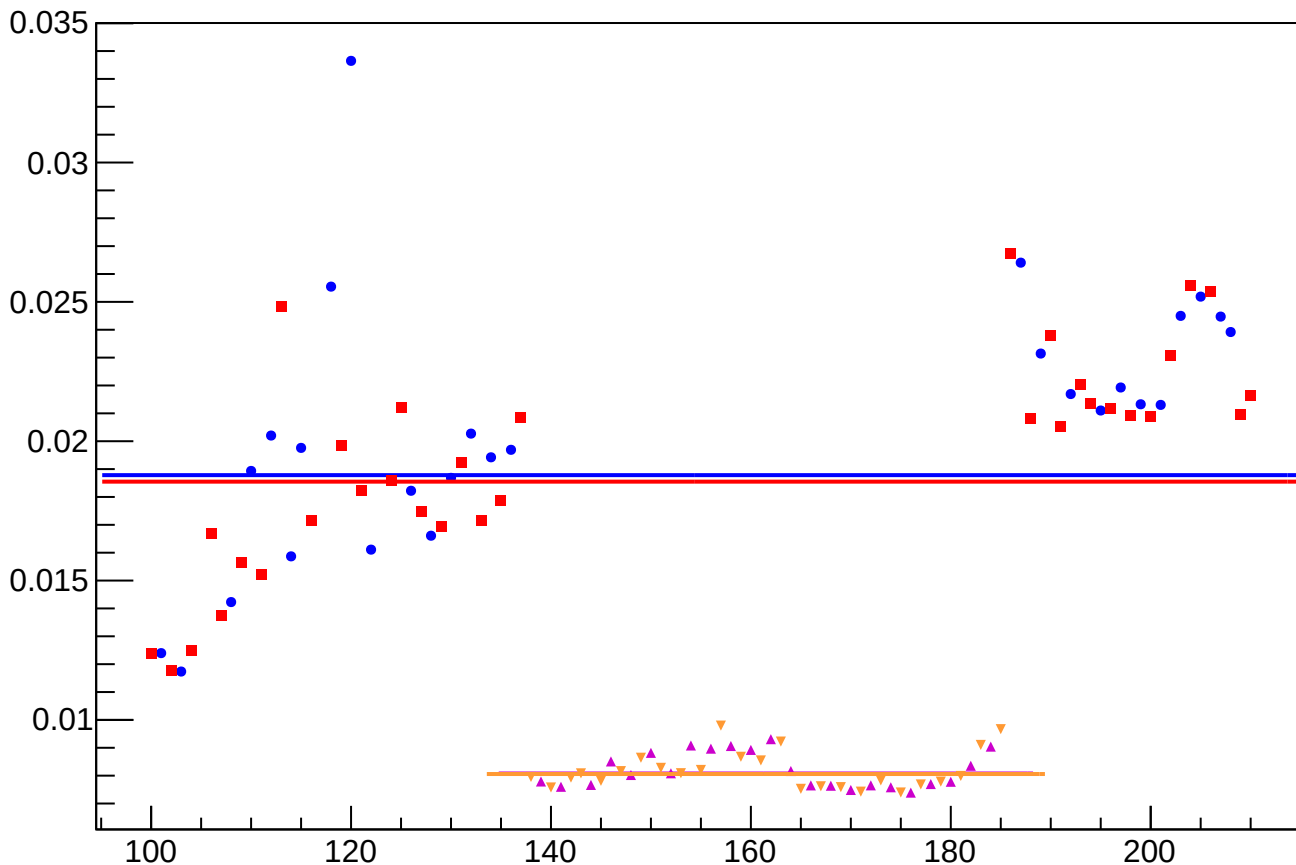
Left In: -2.882+/-0.000 χ^2/NDF : 8300047325.0/22

+ sign -2.722+/-0.000 χ^2/NDF : 279577952807.0/51

All: -2.680+/-0.000 χ^2/NDF : 637079920877.9

- sign -2.636+/-0.000 χ^2/NDF : 356326537563.1/55

yield_bpm0l04X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1640130.7/26

Left Out: 0.008+/-0.000 χ^2/NDF : 185446.1/24

Right Out: 0.019+/-0.000 χ^2/NDF : 1562398.9/32

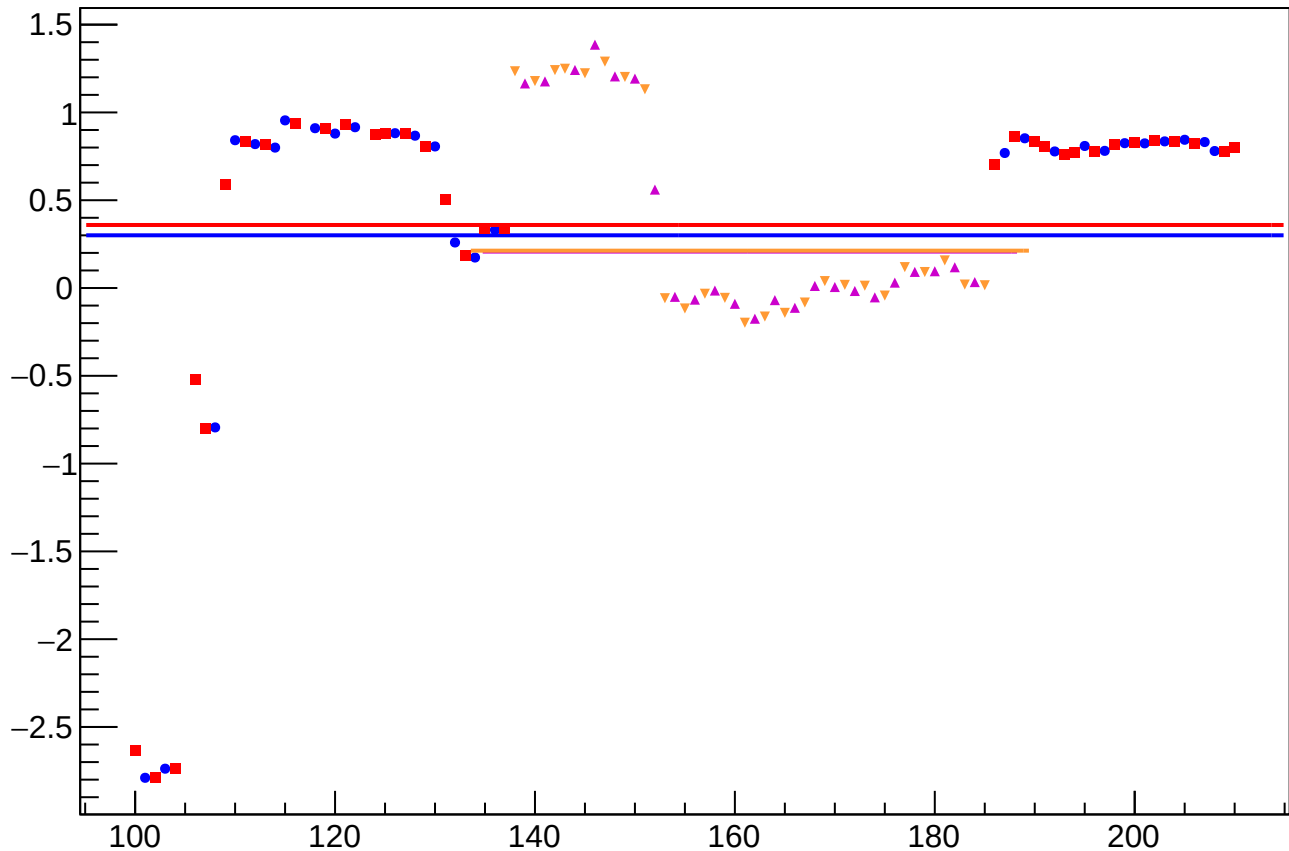
Left In: 0.008+/-0.000 χ^2/NDF : 181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF : 9649738.7/51

All: 0.009+/-0.000 χ^2/NDF : 20147921.8/107

- sign 0.010+/-0.000 χ^2/NDF : 10470996.4/55

yield_bpm0l04Y_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF : 961675950060.1/26

Left Out: 0.213+/-0.000 χ^2/NDF : 102819241186.2/24

Right Out: 0.359+/-0.000 χ^2/NDF : 1057229029941.0/32

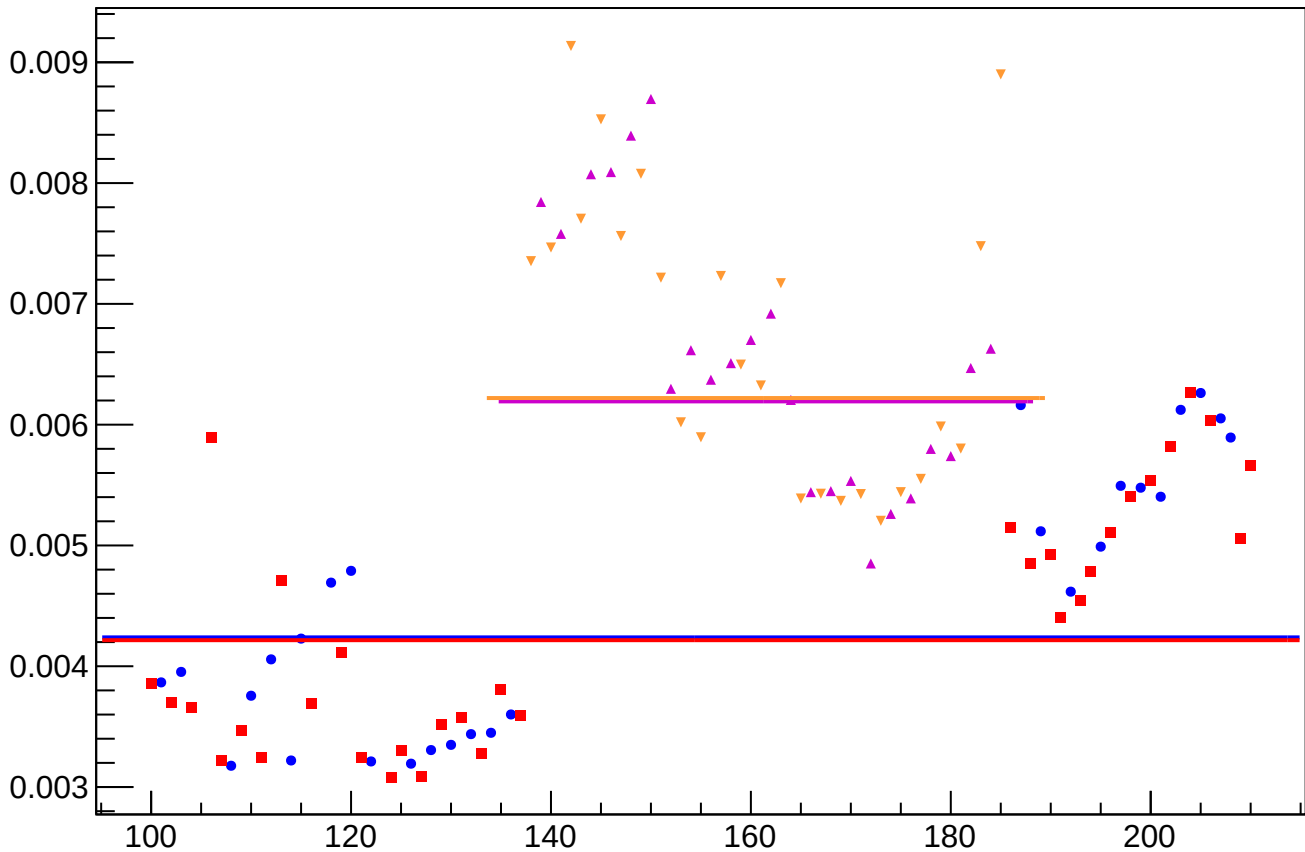
Left In: 0.207+/-0.000 χ^2/NDF : 87109076861.7/22

+ sign 0.270+/-0.000 χ^2/NDF : 1066632948503.3/51

All: 0.292+/-0.000 χ^2/NDF : 2218716152240.0

- sign 0.312+/-0.000 χ^2/NDF : 1150907729207.5/55

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1592143.0/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:813678.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1691431.4/32

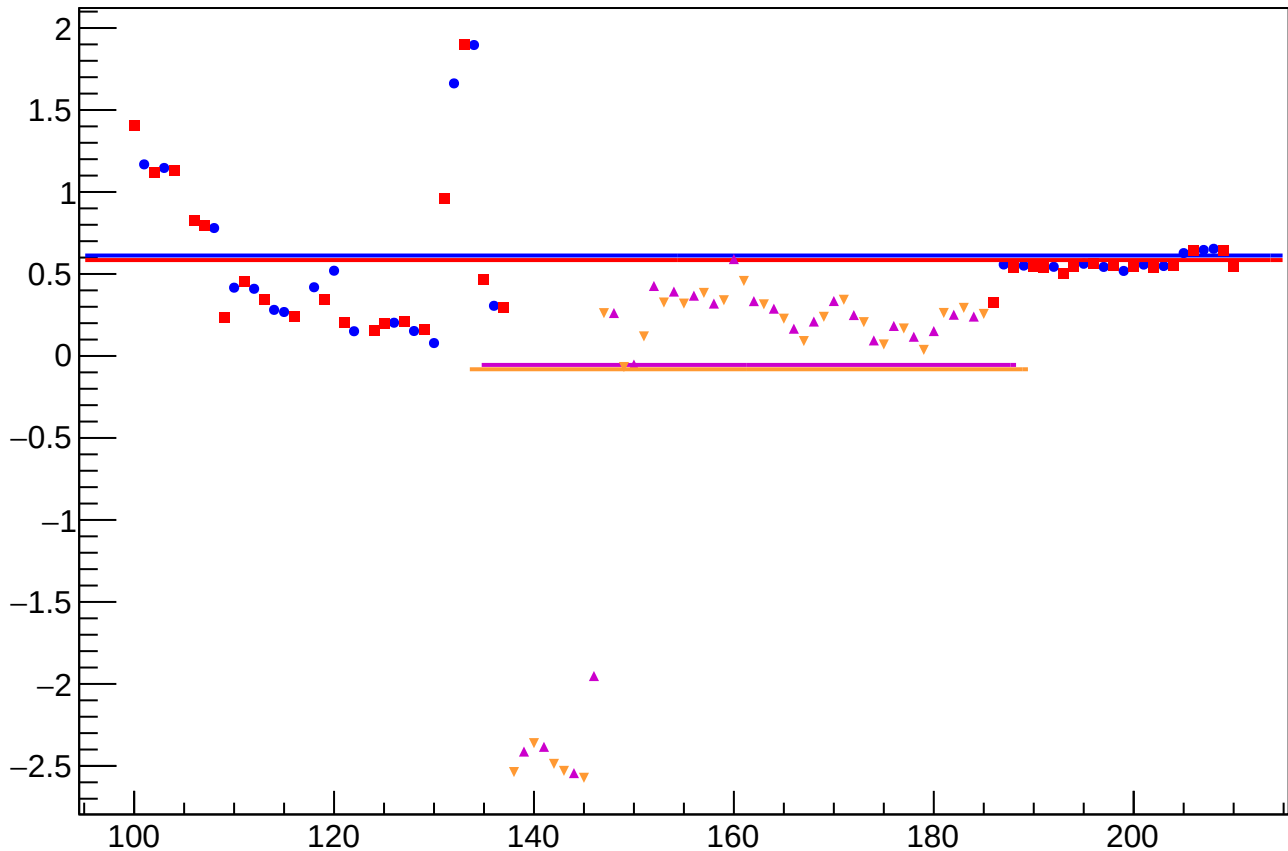
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:816234.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4599515.0/51

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 9358411.0/107

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4743383.6/55

yield_bpm0l05X_mean vs Slug



Right In: 0.613 $\pm$ 0.000 χ^2 /NDF: 43949372626.0/26

Left Out: -0.081 $\pm$ 0.000 χ^2 /NDF: 388332231902.9/24

Right Out: 0.585 $\pm$ 0.000 χ^2 /NDF: 44426326620.2/32

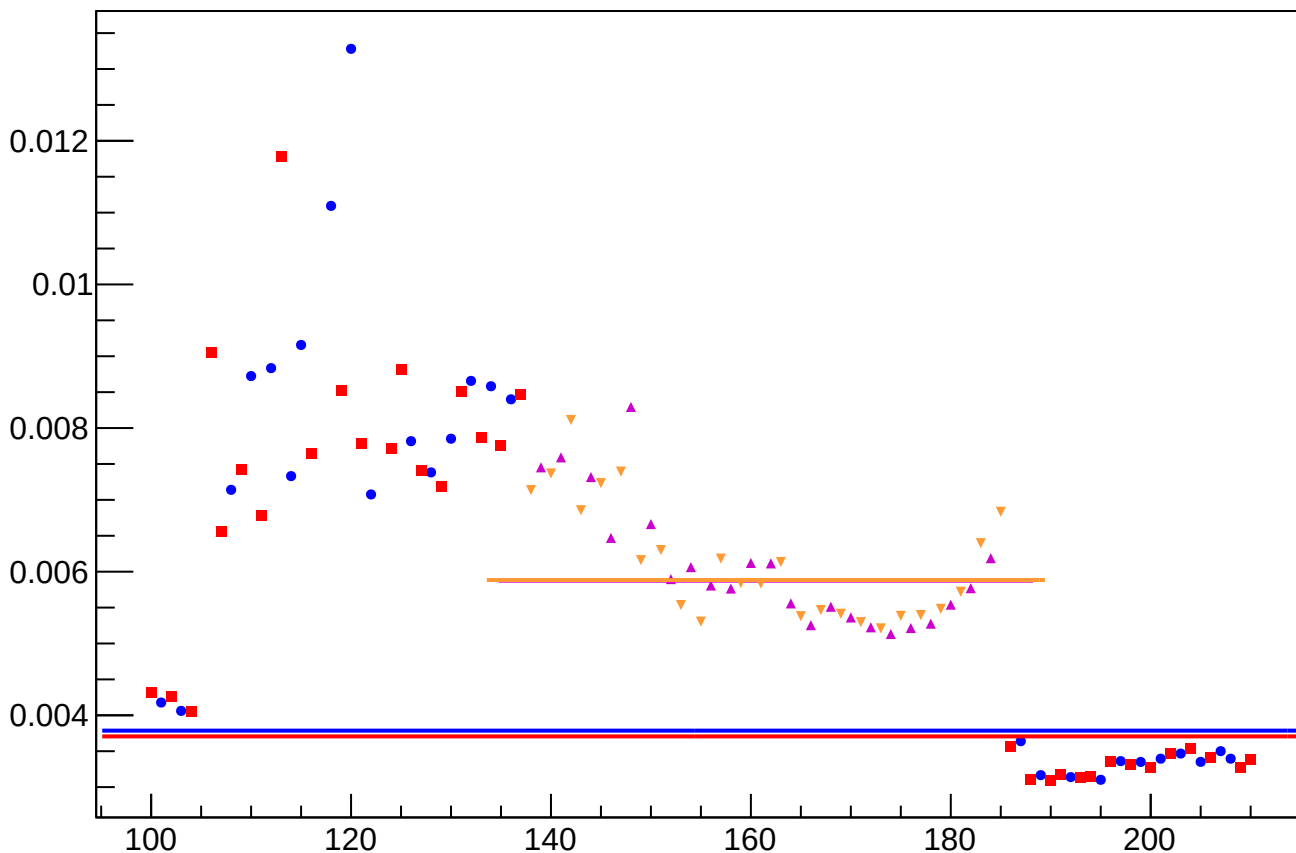
Left In: -0.055 $\pm$ 0.000 χ^2 /NDF: 347072248163.0/22

+ sign 0.362 $\pm$ 0.000 χ^2 /NDF: 587972130721.9/51

All: 0.377 $\pm$ 0.000 χ^2 /NDF: 1117871526296.0/55

- sign 0.390 $\pm$ 0.000 χ^2 /NDF: 529302636875.3/55

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3467631.0/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:457789.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3479083.1/32

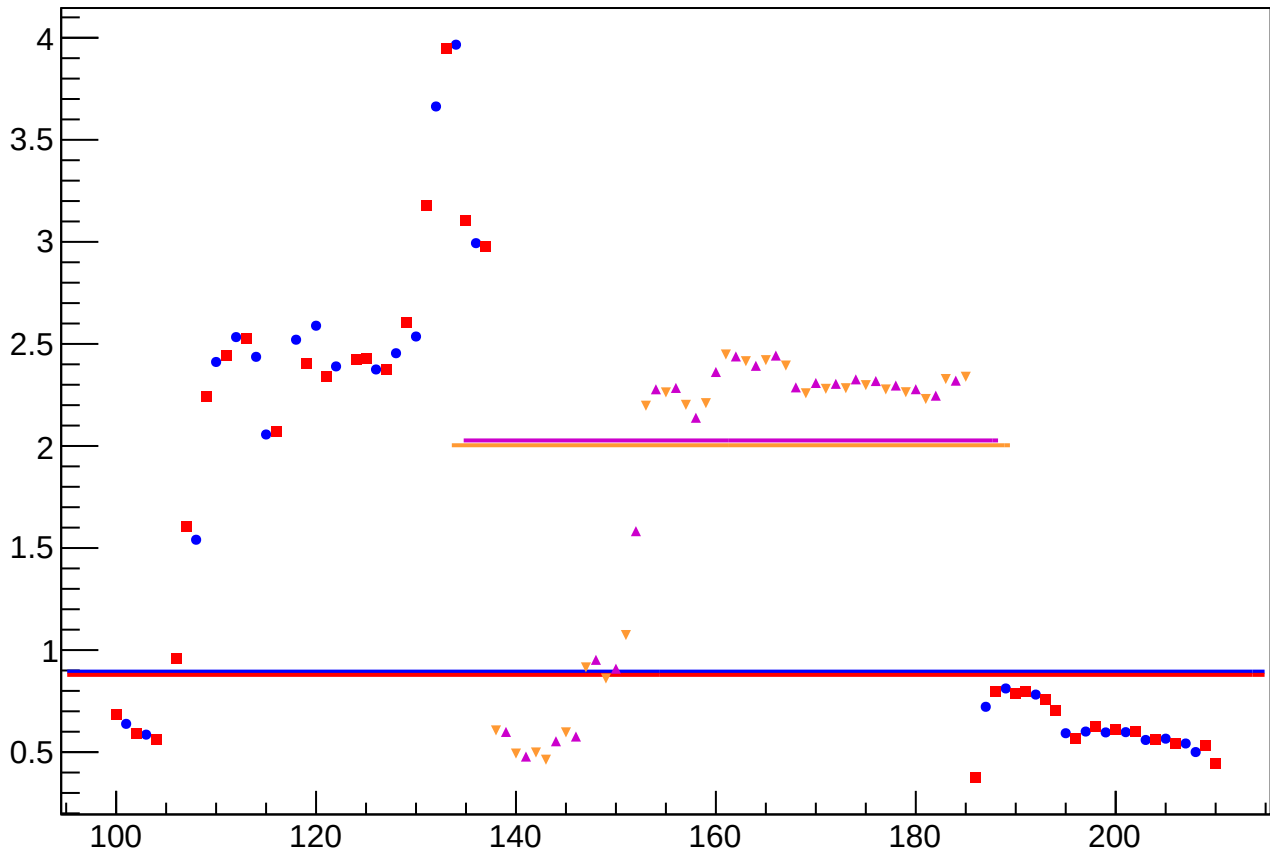
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:521878.3/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 6770697.1/51

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 13989831.0/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7171874.5/55

yield_bpm0l05Y_mean vs Slug



Right In: 0.894 $\pm$ 0.000 χ^2 /NDF: 241772867723.6/26

Left Out: 2.004 $\pm$ 0.000 χ^2 /NDF:219172813454.7/24

Right Out: 0.879 $\pm$ 0.000 χ^2 /NDF: 277818290719.1/32

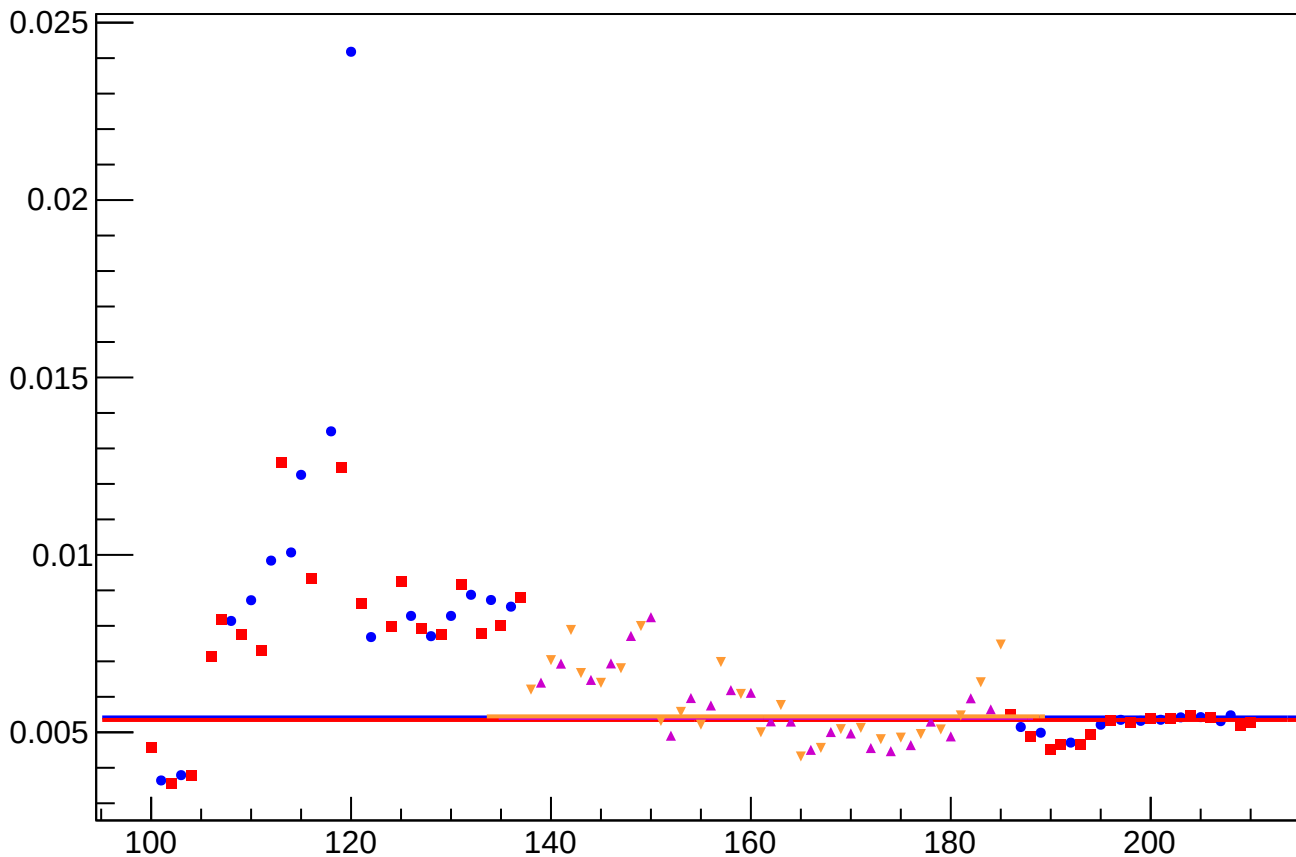
Left In: 2.027 $\pm$ 0.000 χ^2 /NDF:194461333084.6/22

+ sign 1.504 $\pm$ 0.000 χ^2 /NDF: 766521653339.1/51

All: 1.473 $\pm$ 0.000 χ^2 /NDF: 1596991685910.

- sign 1.443 $\pm$ 0.000 χ^2 /NDF: 828560626622.0/55

yield_bpm0l05Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2308091.8/26

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:771417.6/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 2127455.1/32

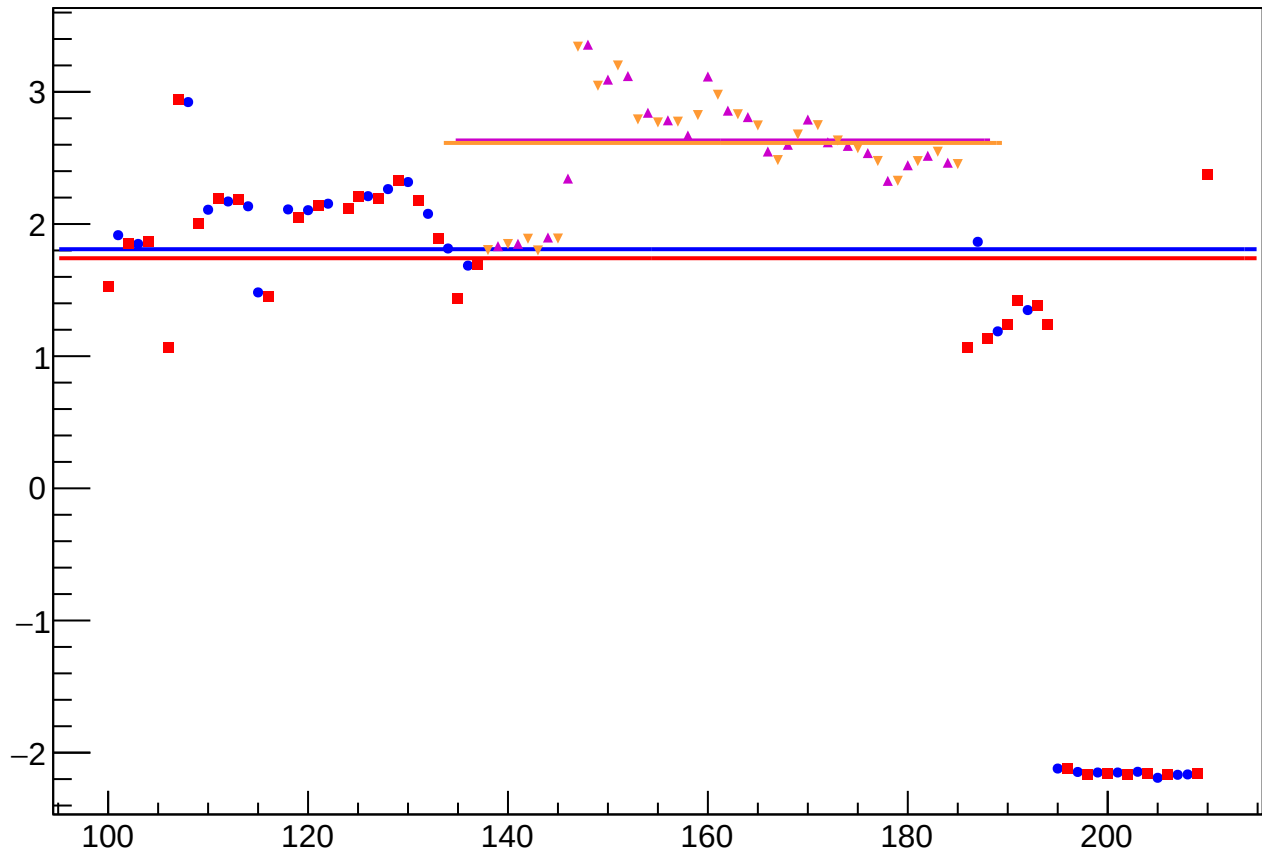
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:815136.5/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3079971.9/51

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 6027971.5/107

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2944343.4/55

yield_bpm0l06X_mean vs Slug



Right In: 1.809 $\pm$ 0.000 χ^2 /NDF: 169385547043.4/26

Left Out: 2.614 $\pm$ 0.000 χ^2 /NDF: 46402554271.4/24

Right Out: 1.741 $\pm$ 0.000 χ^2 /NDF: 163541585127.2/32

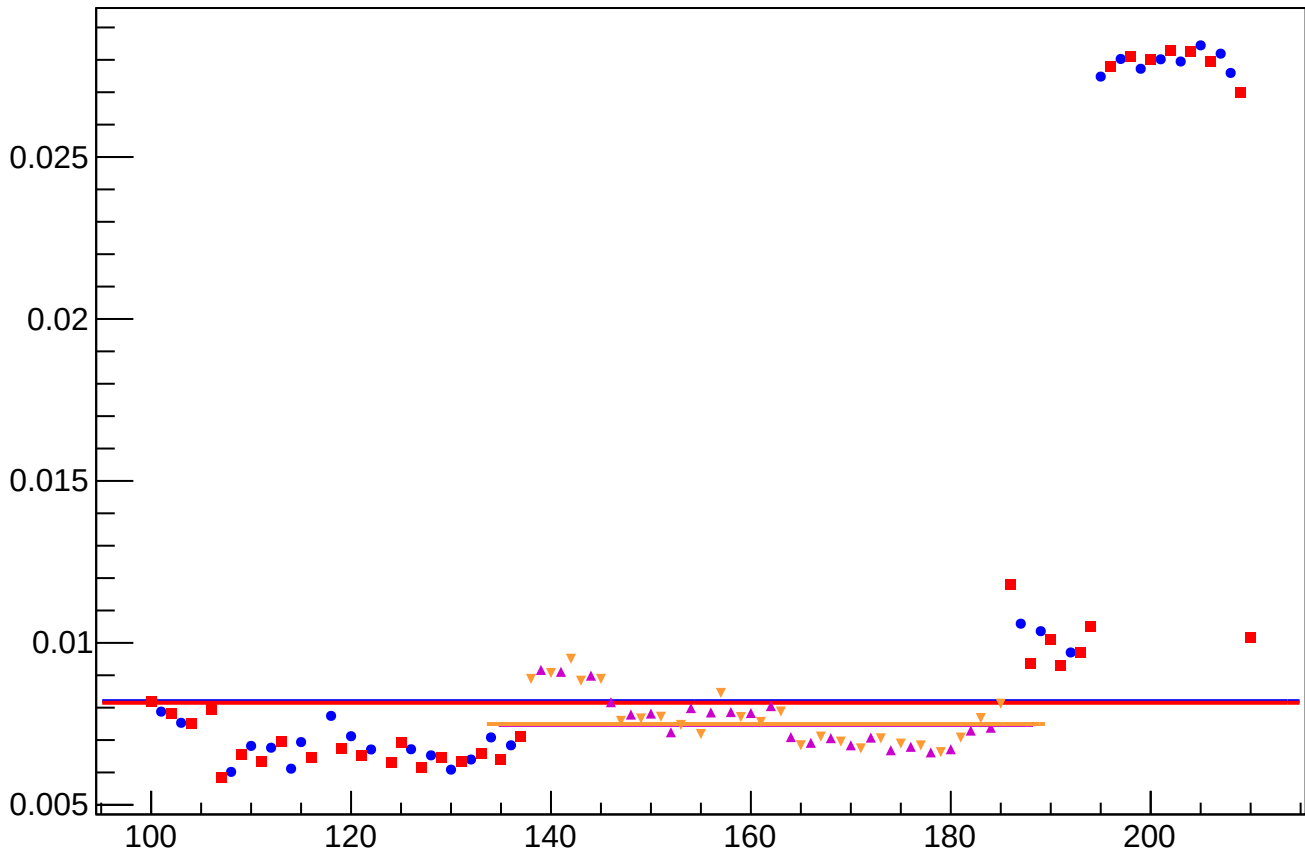
Left In: 2.632 $\pm$ 0.000 χ^2 /NDF: 40551967819.7/22

+ sign 2.334 $\pm$ 0.000 χ^2 /NDF: 288387280250.6/51

All: 2.303 $\pm$ 0.000 χ^2 /NDF: 592681147815.5

- sign 2.273 $\pm$ 0.000 χ^2 /NDF: 303358033205.5/55

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7648720.5/26

Left Out: 0.007+/-0.000 χ^2/NDF :332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 7246726.1/32

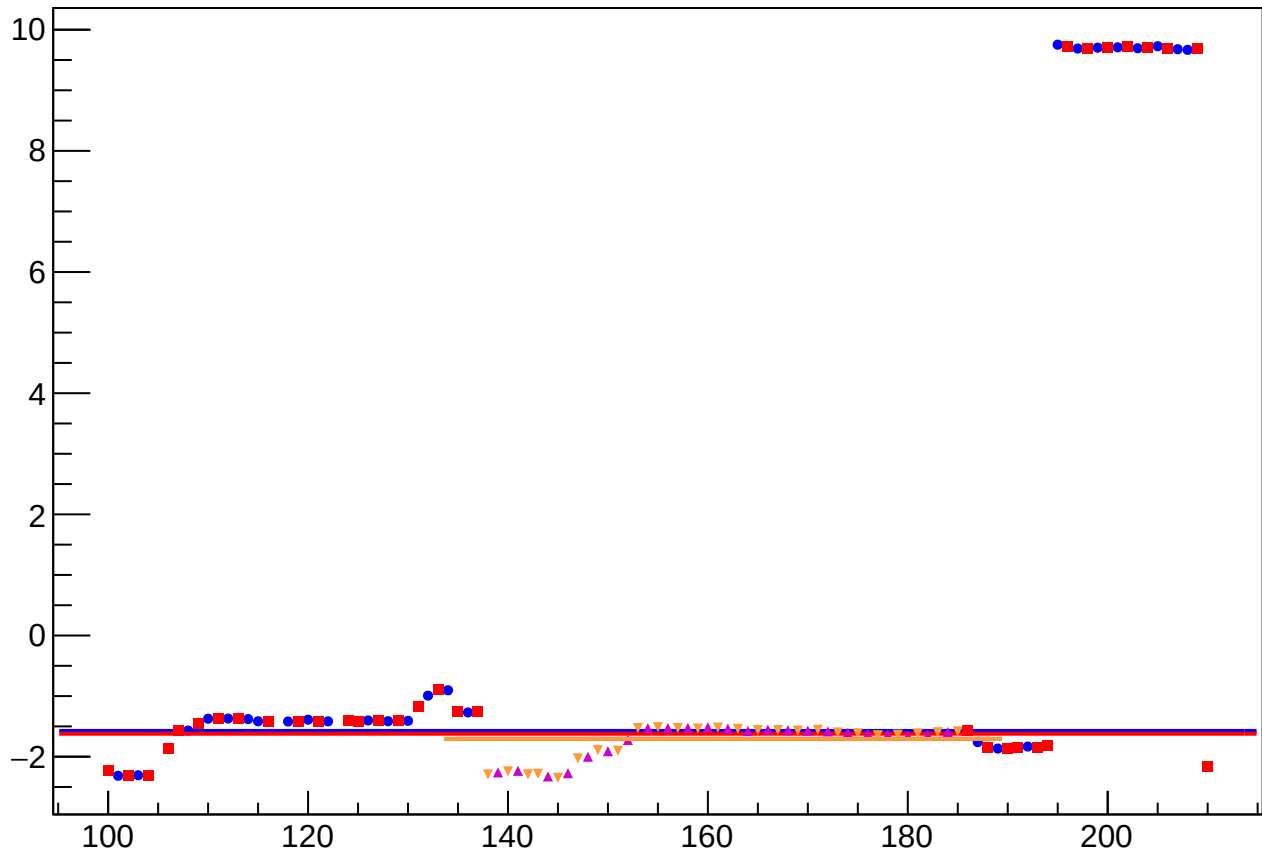
Left In: 0.007+/-0.000 χ^2/NDF :321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF : 8093227.2/51

All: 0.008+/-0.000 χ^2/NDF : 15778759.8/107

- sign 0.008+/-0.000 χ^2/NDF : 7685529.1/55

yield_bpm0l06Y_mean vs Slug



Right In: -1.575+/-0.000 χ^2/NDF : 419971059038.9/26

Left Out: -1.708+/-0.000 χ^2/NDF : 151845502556.2/24

Right Out: -1.621+/-0.000 χ^2/NDF : 420239951887.8/32

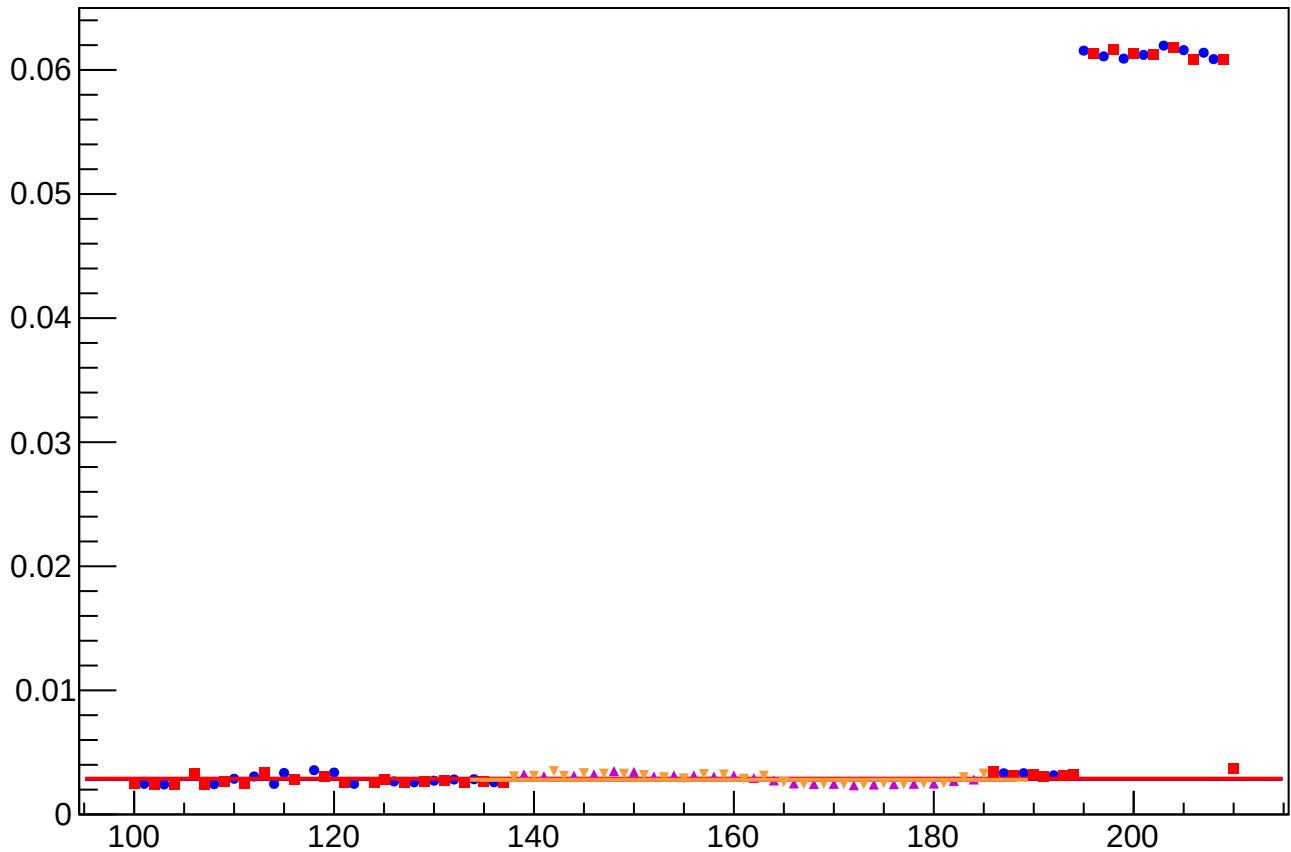
Left In: -1.705+/-0.000 χ^2/NDF : 136540618081.0/22

+ sign -1.665+/-0.000 χ^2/NDF : 584803272773.3/51

All: -1.669+/-0.000 χ^2/NDF : 1147732516964

- sign -1.673+/-0.000 χ^2/NDF : 562814157779.9/55

yield_bpm0l06Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 12817416.0/26

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:547758.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 11542006.2/32

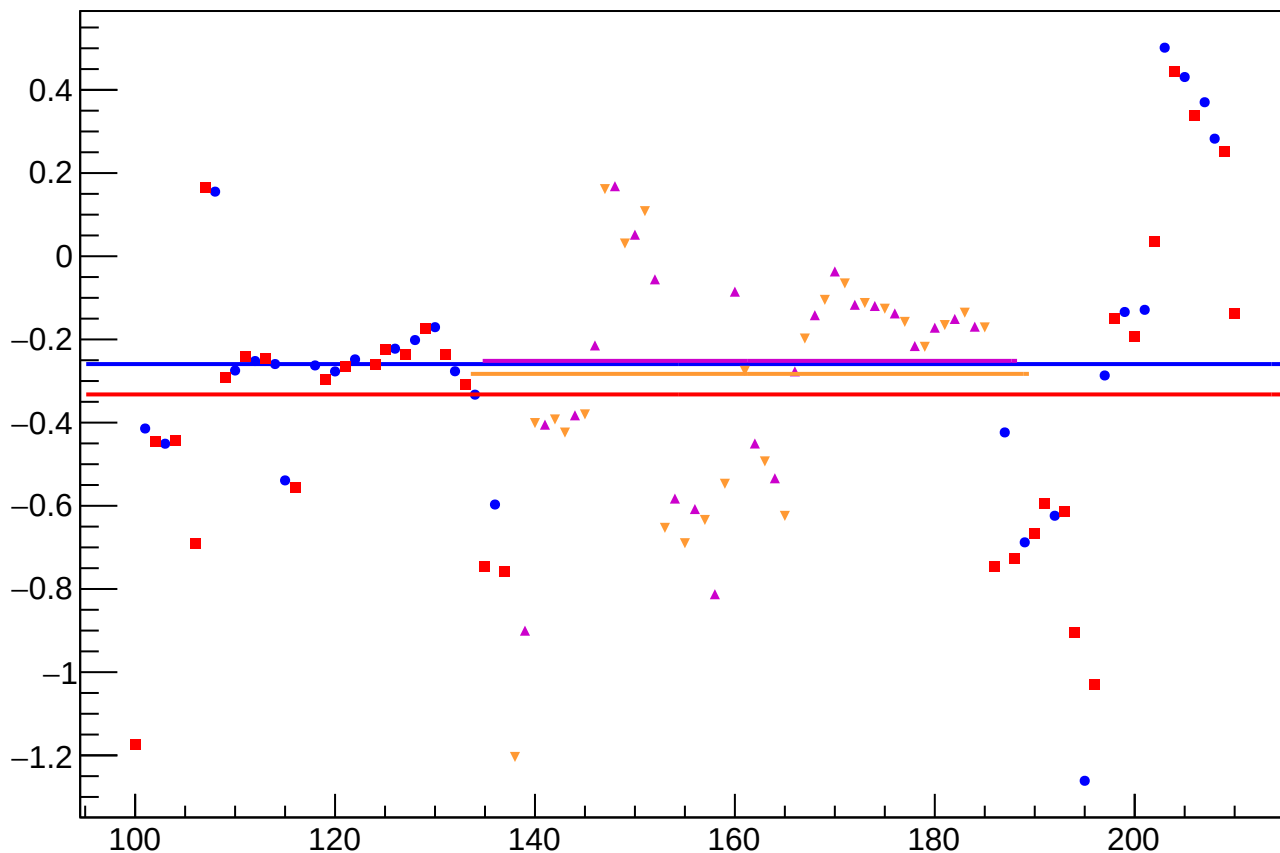
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:557113.5/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 13370161.5/51

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 25486555.6/107

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 12116194.3/55

yield_bpm0l07X_mean vs Slug



Right In: -0.259 ± 0.000 χ^2/NDF : 9149729416.3/26

Left Out: -0.283 ± 0.000 χ^2/NDF : 9343511244.8/24

Right Out: -0.332 ± 0.000 χ^2/NDF : 9896698602.3/32

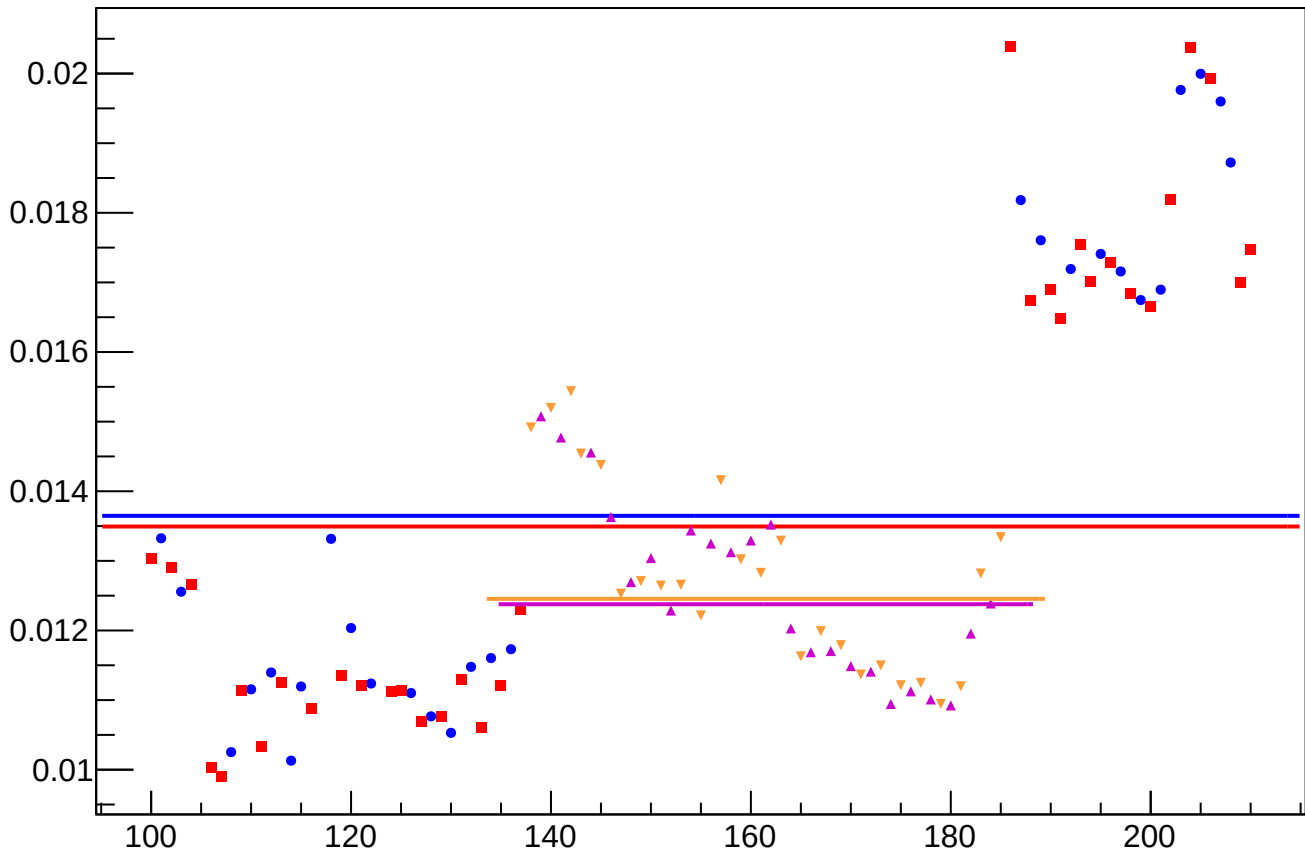
Left In: -0.252 ± 0.000 χ^2/NDF : 7167367678.6/22

+ sign -0.273 ± 0.000 χ^2/NDF : 18519251693.7/51

All: -0.281 ± 0.000 χ^2/NDF : 35932954769.6/100

- sign -0.288 ± 0.000 χ^2/NDF : 17393388351.8/55

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1584695.7/26

Left Out: 0.012+/-0.000 χ^2/NDF : 341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1928850.0/32

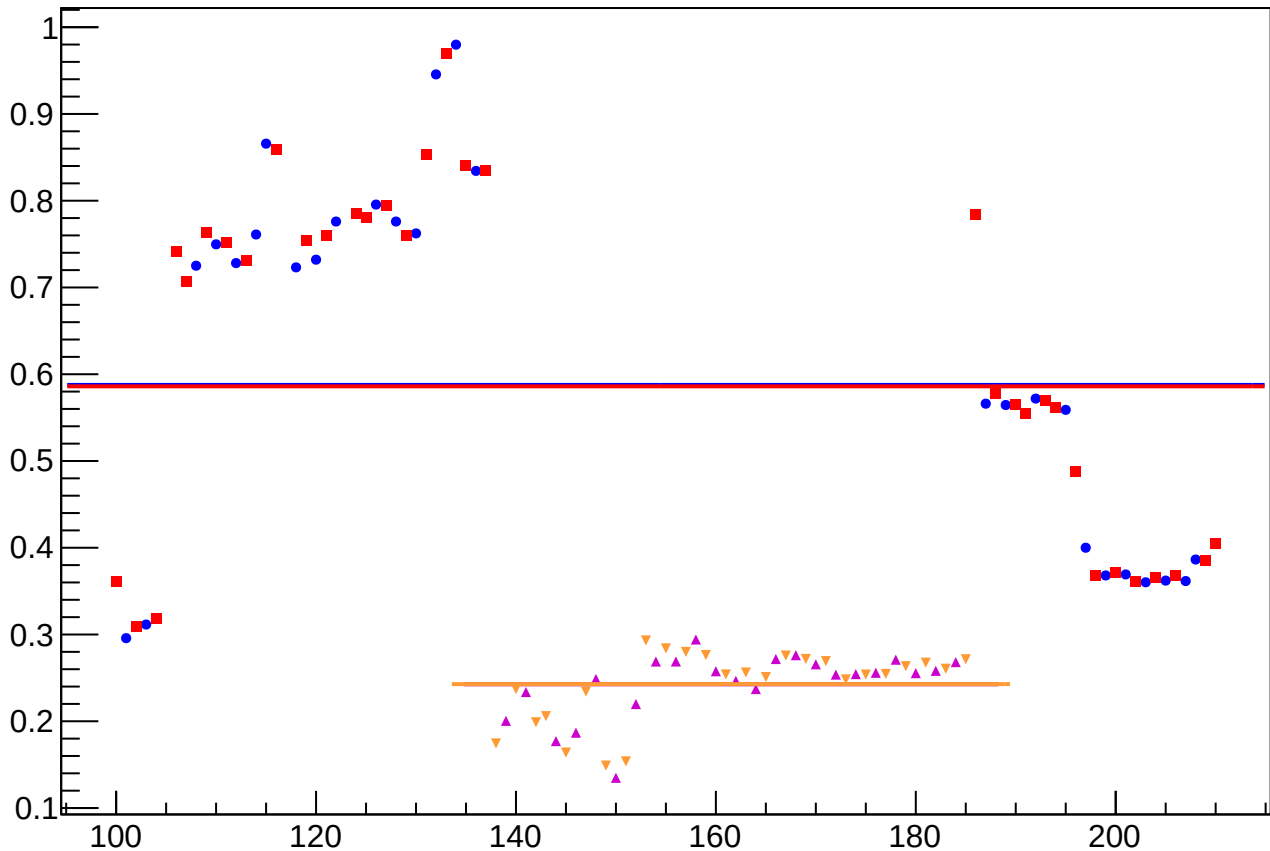
Left In: 0.012+/-0.000 χ^2/NDF : 326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF : 2059453.2/51

All: 0.013+/-0.000 χ^2/NDF : 4441777.0/107

- sign 0.013+/-0.000 χ^2/NDF : 2381782.0/55

yield_bpm0l07Y_mean vs Slug



Right In: 0.588 $\pm$ 0.000 χ^2 /NDF: 93508214211.8/26

Left Out: 0.243 $\pm$ 0.000 χ^2 /NDF: 7290530687.7/24

Right Out: 0.586 $\pm$ 0.000 χ^2 /NDF: 92945905900.3/32

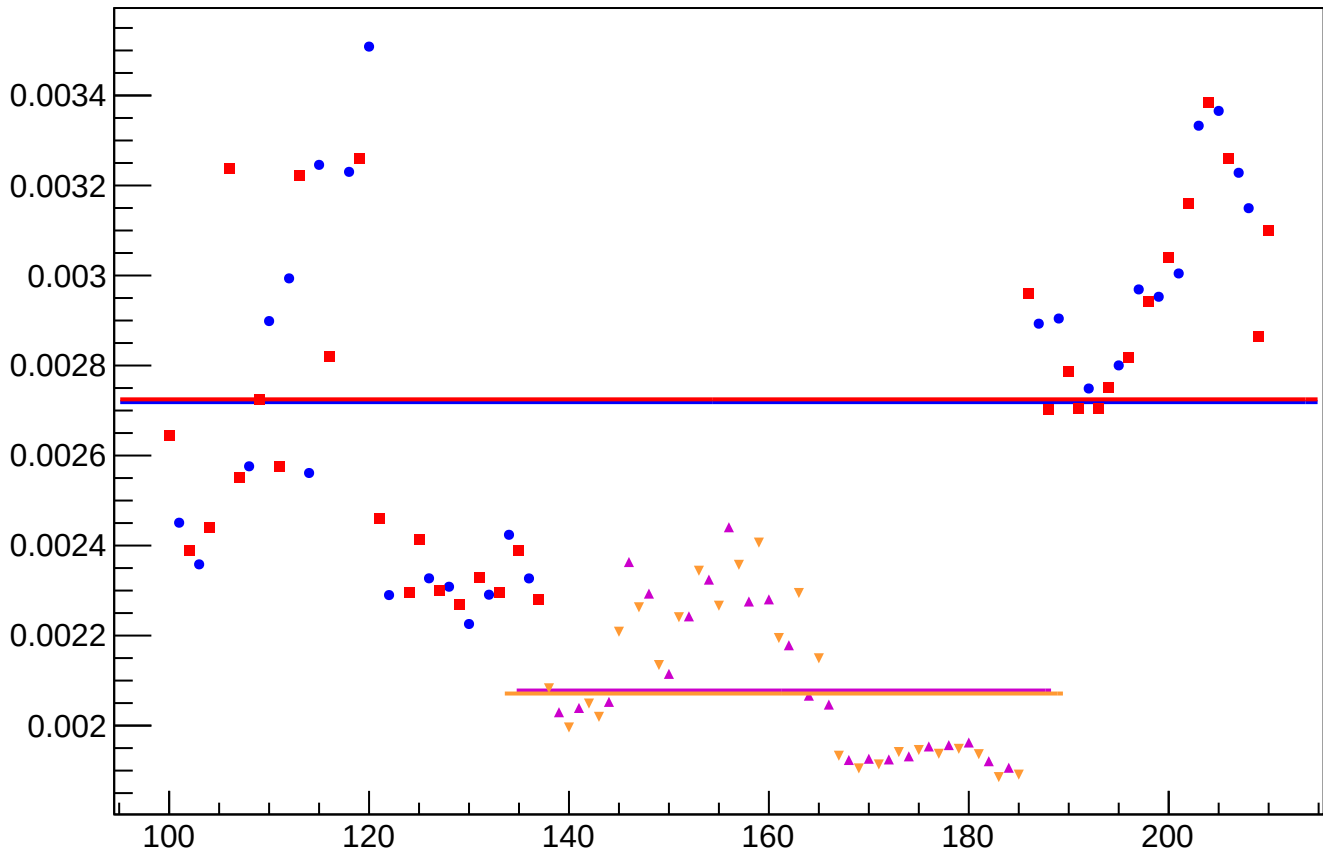
Left In: 0.243 $\pm$ 0.000 χ^2 /NDF: 5781231269.1/22

+ sign 0.351 $\pm$ 0.000 χ^2 /NDF: 266685312287.1/51

All: 0.358 $\pm$ 0.000 χ^2 /NDF: 542456227181.1

- sign 0.365 $\pm$ 0.000 χ^2 /NDF: 275111078796.0/55

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 581273.3/26

Left Out: 0.002+/-0.000 χ^2/NDF :233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF : 501135.9/32

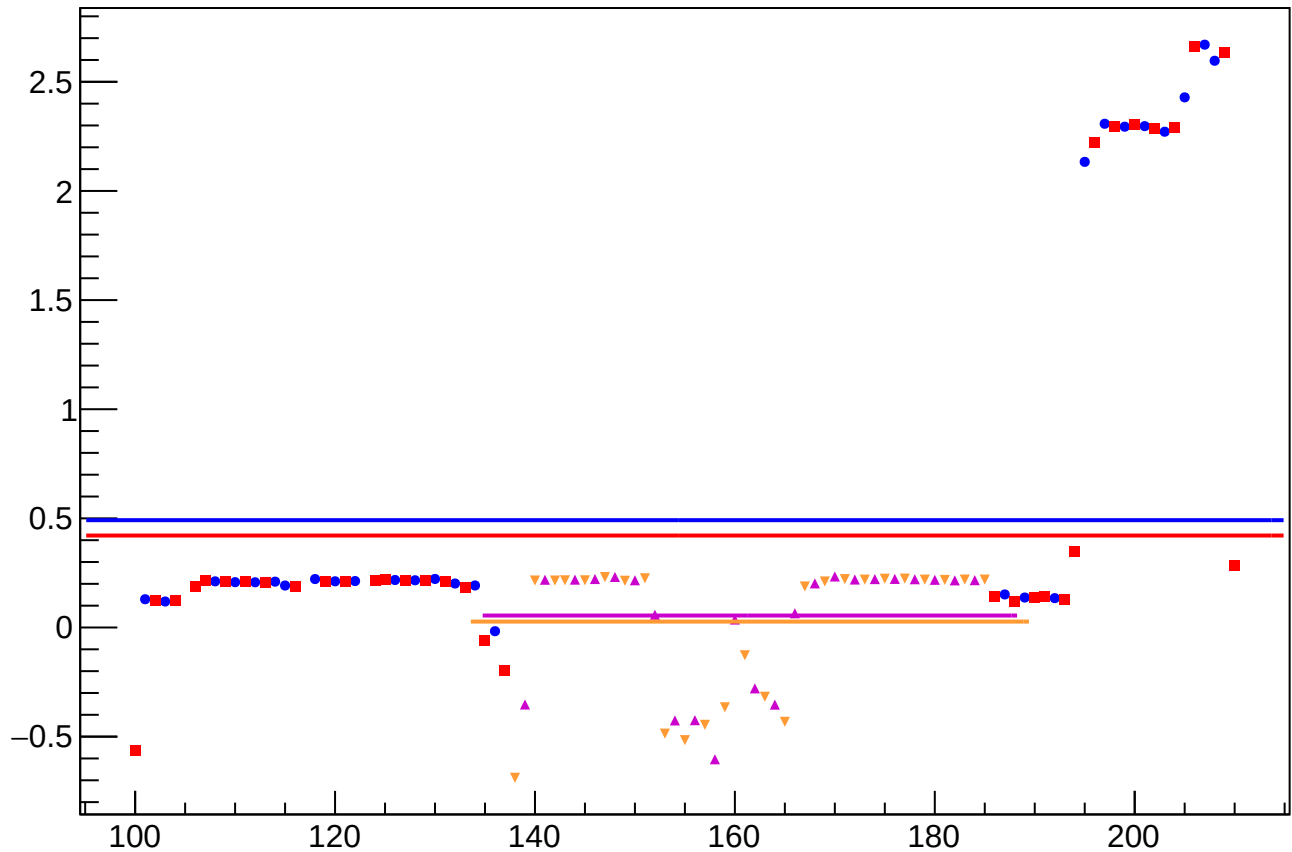
Left In: 0.002+/-0.000 χ^2/NDF :211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 1984381.9/51

All: 0.002+/-0.000 χ^2/NDF : 3956581.5/107

- sign 0.002+/-0.000 χ^2/NDF : 1964419.6/55

yield_bpm0l08X_mean vs Slug



Right In: 0.492 $\pm$ 0.000 χ^2 /NDF: 55251697344.2/26

Left Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 12975171876.0/24

Right Out: 0.421 $\pm$ 0.000 χ^2 /NDF: 54220950324.7/32

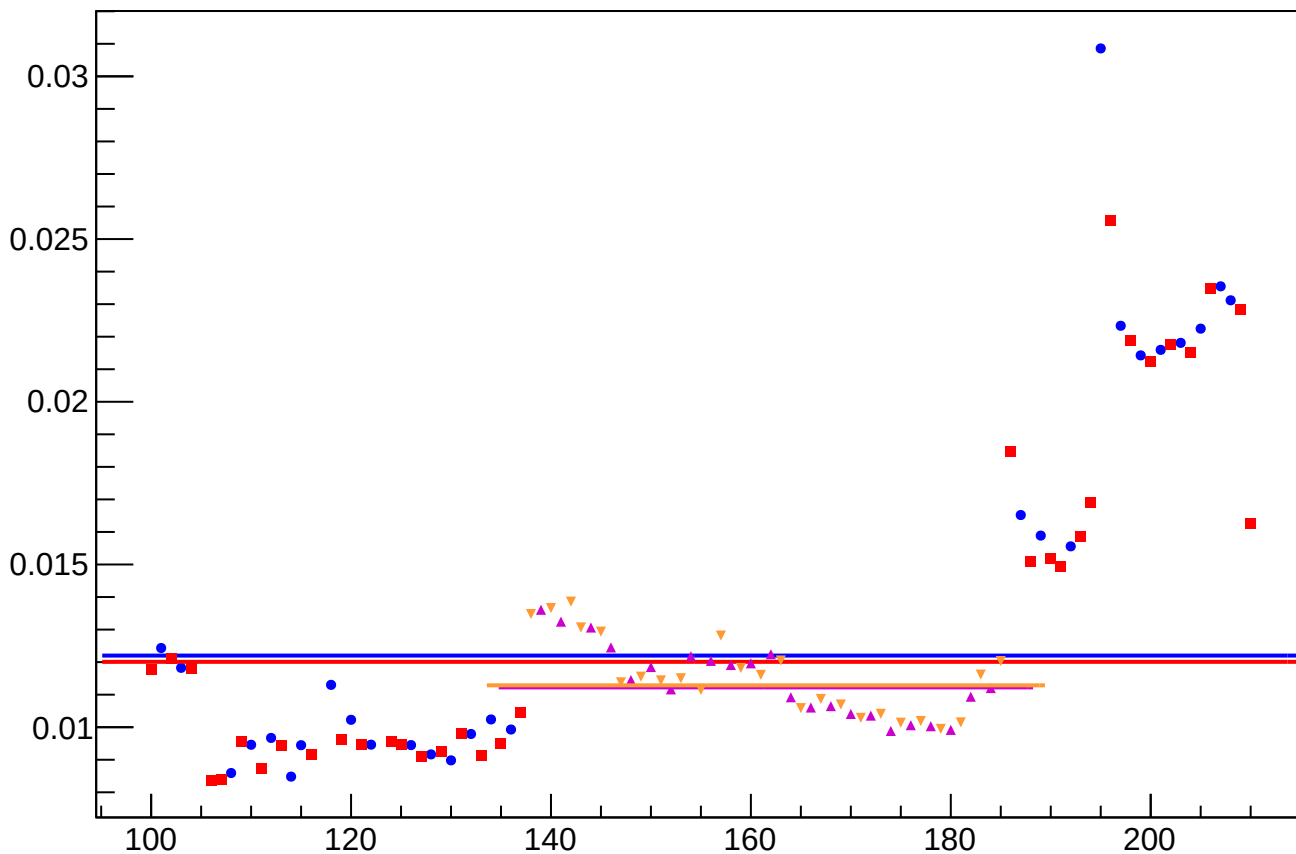
Left In: 0.055 $\pm$ 0.000 χ^2 /NDF: 9704180322.0/22

+ sign 0.206 $\pm$ 0.000 χ^2 /NDF: 80159083252.2/51

All: 0.211 $\pm$ 0.000 χ^2 /NDF: 152211278285.5

- sign 0.216 $\pm$ 0.000 χ^2 /NDF: 72040521872.3/55

yield_bpm0l08X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 4170927.6/26

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:328248.0/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 4316036.5/32

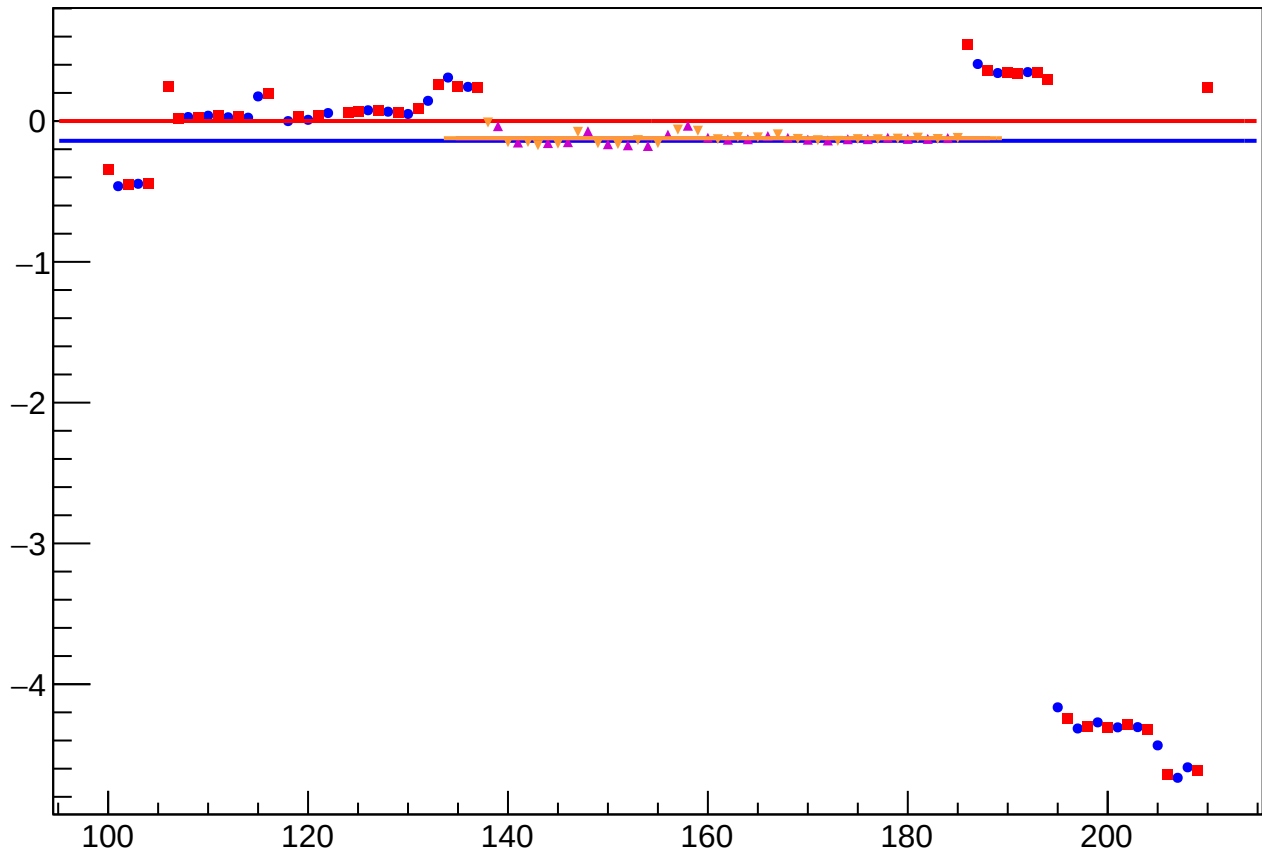
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:315246.6/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4591600.7/51

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 9298769.5/107

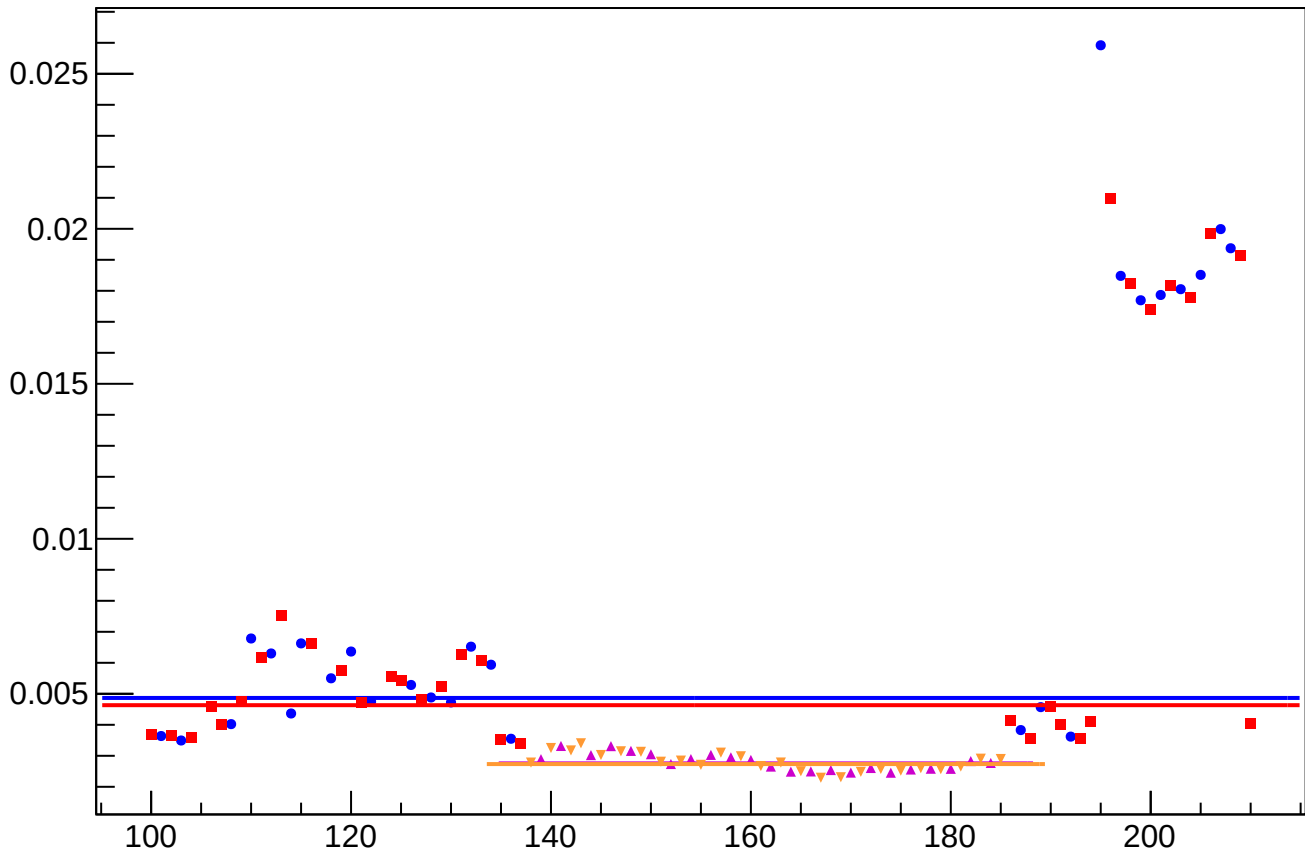
- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4705971.6/55

yield_bpm0l08Y_mean vs Slug



Right In: -0.140 ± 0.000	$\chi^2/\text{NDF}: 391320685643.5/26$	+ sign -0.125 ± 0.000	$\chi^2/\text{NDF}: 394371403641.7/51$
Left Out: -0.122 ± 0.000	$\chi^2/\text{NDF}: 2922583819.6/24$	All: -0.111 ± 0.000	$\chi^2/\text{NDF}: 798355755263.0$
Right Out: 0.000 ± 0.000	$\chi^2/\text{NDF}: 392828507947.8/32$	- sign -0.098 ± 0.000	$\chi^2/\text{NDF}: 402952371429.9/55$
Left In: -0.124 ± 0.000	$\chi^2/\text{NDF}: 2809457047.2/22$		

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 ± 0.000 χ^2/NDF : 8750456.1/26

Left Out: 0.003 ± 0.000 χ^2/NDF : 391885.5/24

Right Out: 0.005 ± 0.000 χ^2/NDF : 8006125.6/32

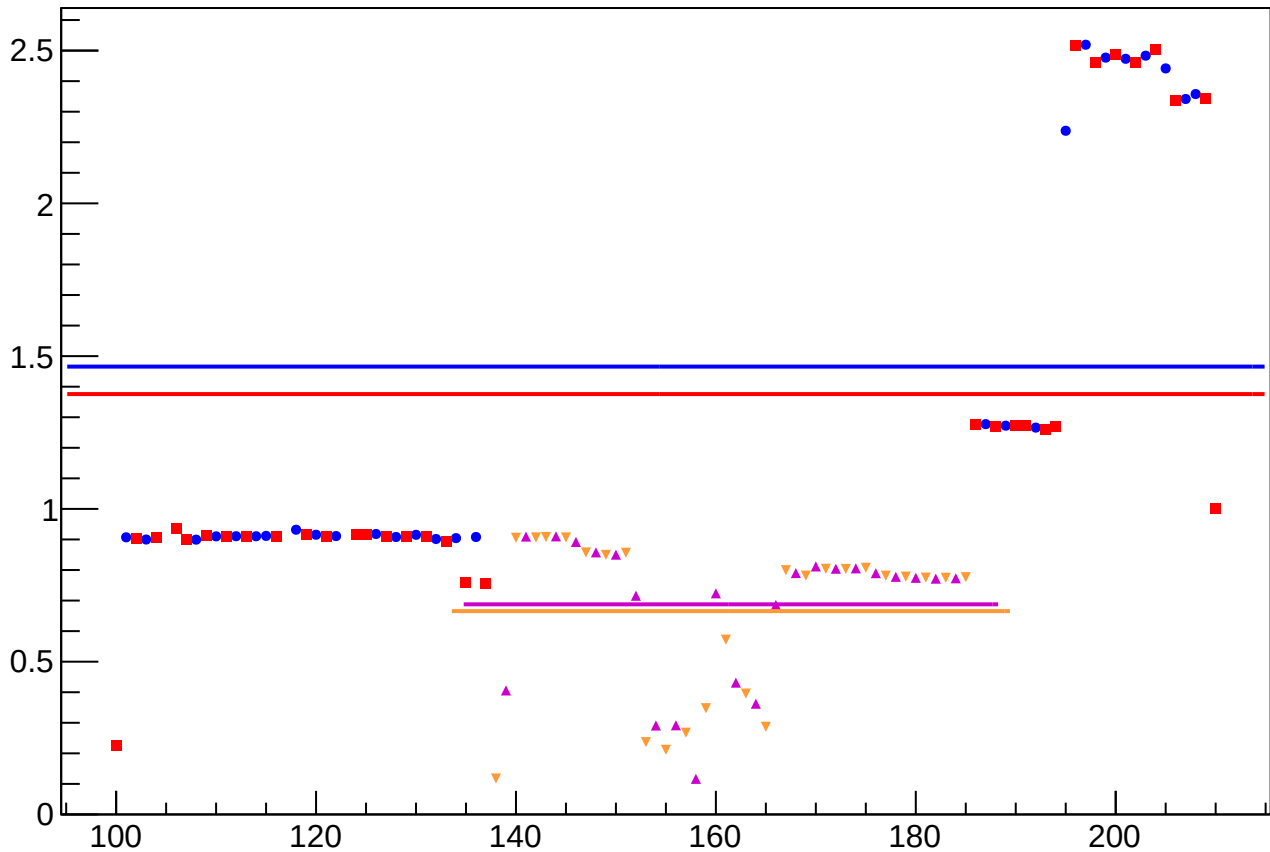
Left In: 0.003 ± 0.000 χ^2/NDF : 293113.7/22

+ sign 0.003 ± 0.000 χ^2/NDF : 12572540.4/51

All: 0.003 ± 0.000 χ^2/NDF : 24242200.8/107

- sign 0.003 ± 0.000 χ^2/NDF : 11648012.6/55

yield_bpm0l09X_mean vs Slug



Right In: 1.466 $\pm$ 0.000 χ^2/NDF : 49733904752.9/26

Left Out: 0.666 $\pm$ 0.000 χ^2/NDF : 9213839939.9/24

Right Out: 1.376 $\pm$ 0.000 χ^2/NDF : 51895209706.1/32

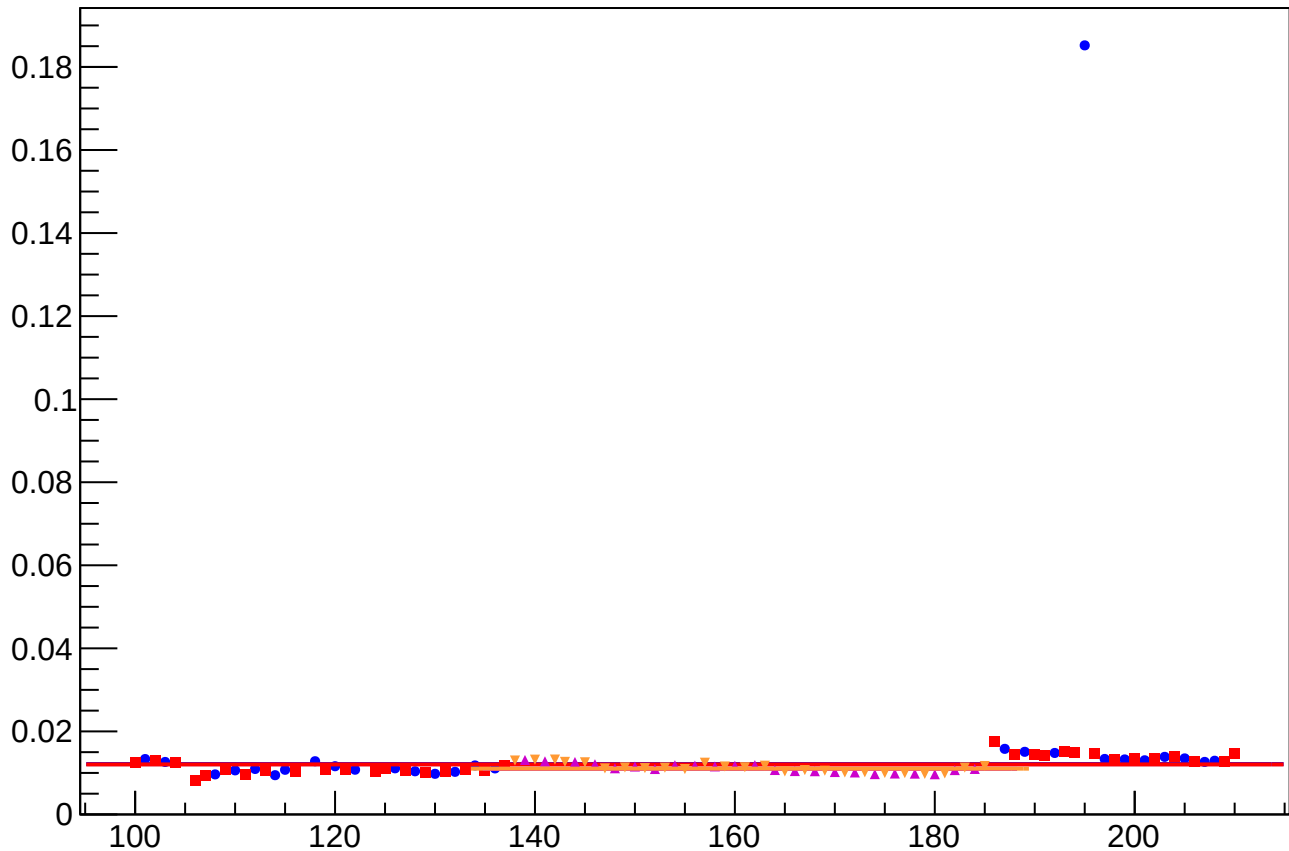
Left In: 0.688 $\pm$ 0.000 χ^2/NDF : 6999062215.3/22

+ sign 0.979 $\pm$ 0.000 χ^2/NDF : 96917224658.7/51

All: 0.986 $\pm$ 0.000 χ^2/NDF : 186185104153.0

- sign 0.992 $\pm$ 0.000 χ^2/NDF : 89247363484.8/55

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2006658.9/26

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:299445.0/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 842946.3/32

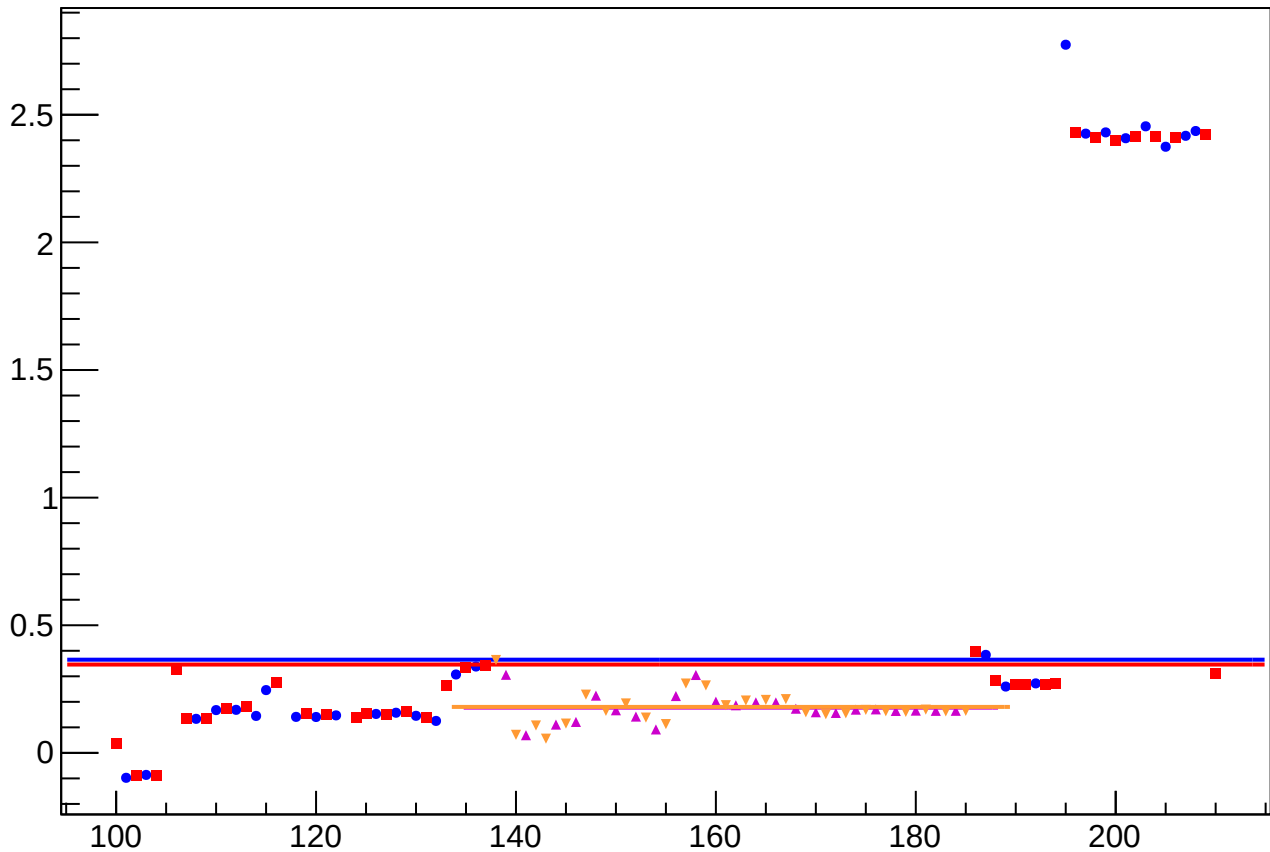
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:287650.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2449793.6/51

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3730843.8/107

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1280980.6/55

yield_bpm0l09Y_mean vs Slug



Right In: 0.365 $\pm$ 0.000 χ^2 /NDF: 175854787908.4/26

Left Out: 0.180 $\pm$ 0.000 χ^2 /NDF: 6448853953.3/24

Right Out: 0.346 $\pm$ 0.000 χ^2 /NDF: 163384257453.3/32

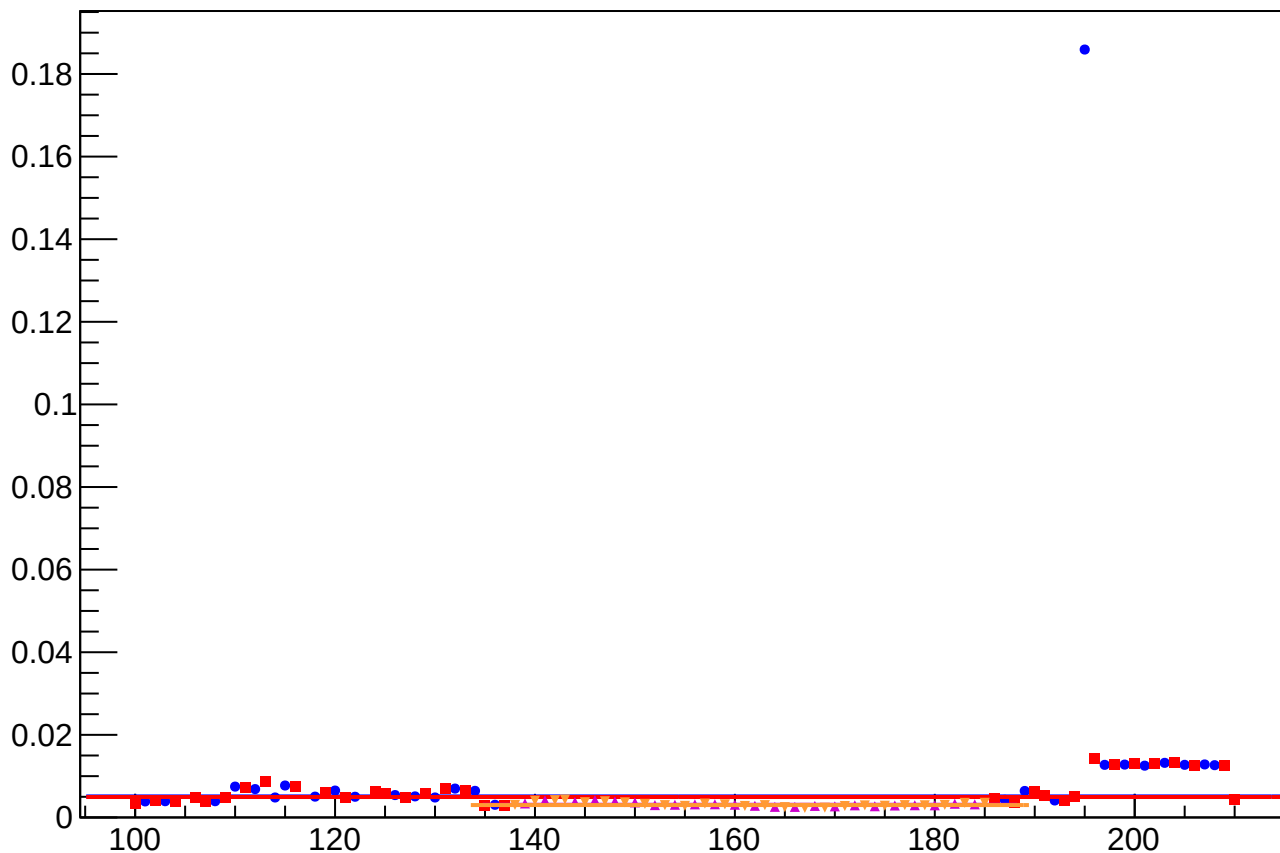
Left In: 0.177 $\pm$ 0.000 χ^2 /NDF: 4620854117.7/22

+ sign 0.213 $\pm$ 0.000 χ^2 /NDF: 194093918057.3/51

All: 0.214 $\pm$ 0.000 χ^2 /NDF: 373805076528.8

- sign 0.216 $\pm$ 0.000 χ^2 /NDF: 179695700990.5/55

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 7331137.2/26

Left Out: 0.003+/-0.000 χ^2/NDF : 888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF : 5914399.4/32

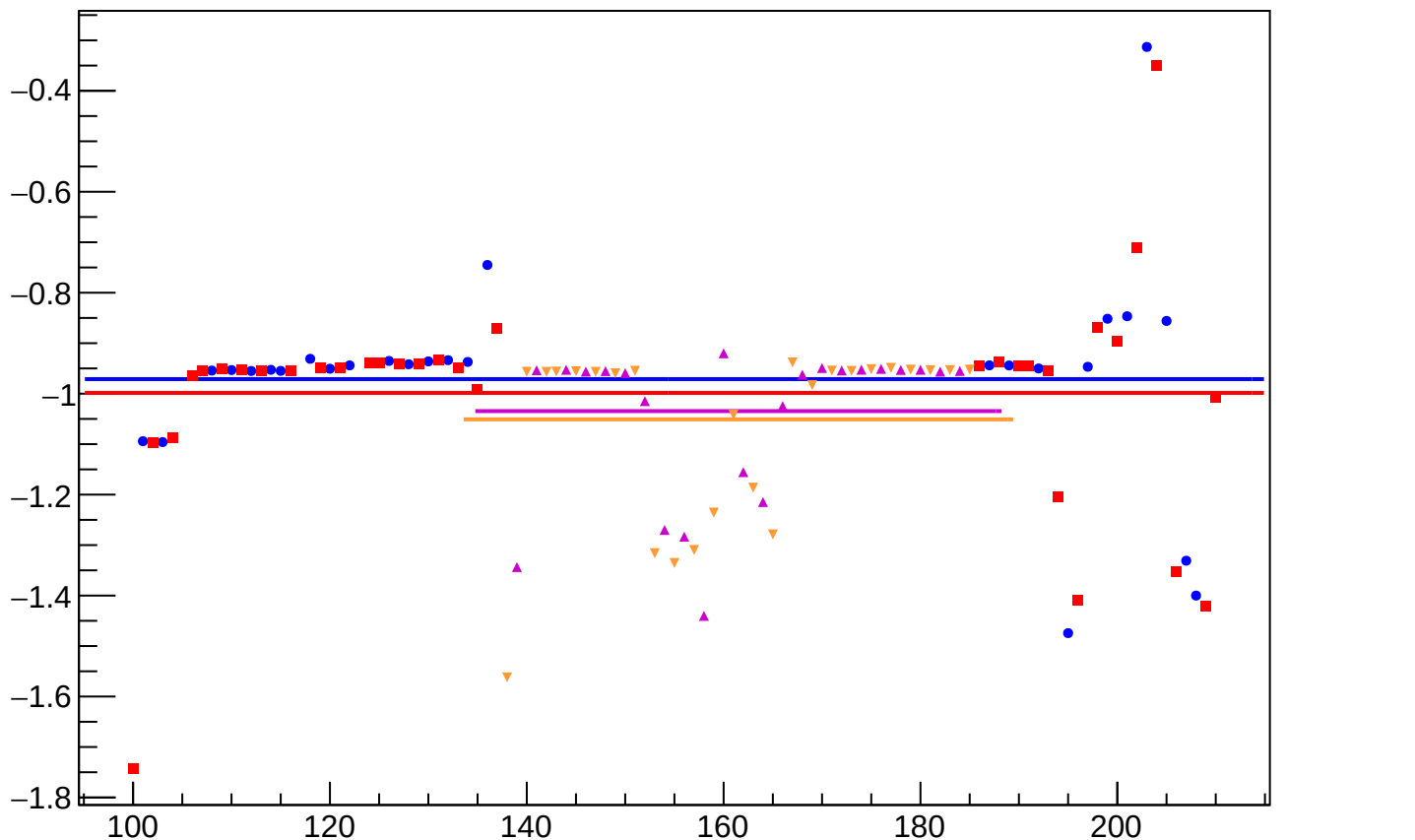
Left In: 0.003+/-0.000 χ^2/NDF : 587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF : 11239266.2/51

All: 0.003+/-0.000 χ^2/NDF : 20672654.9/107

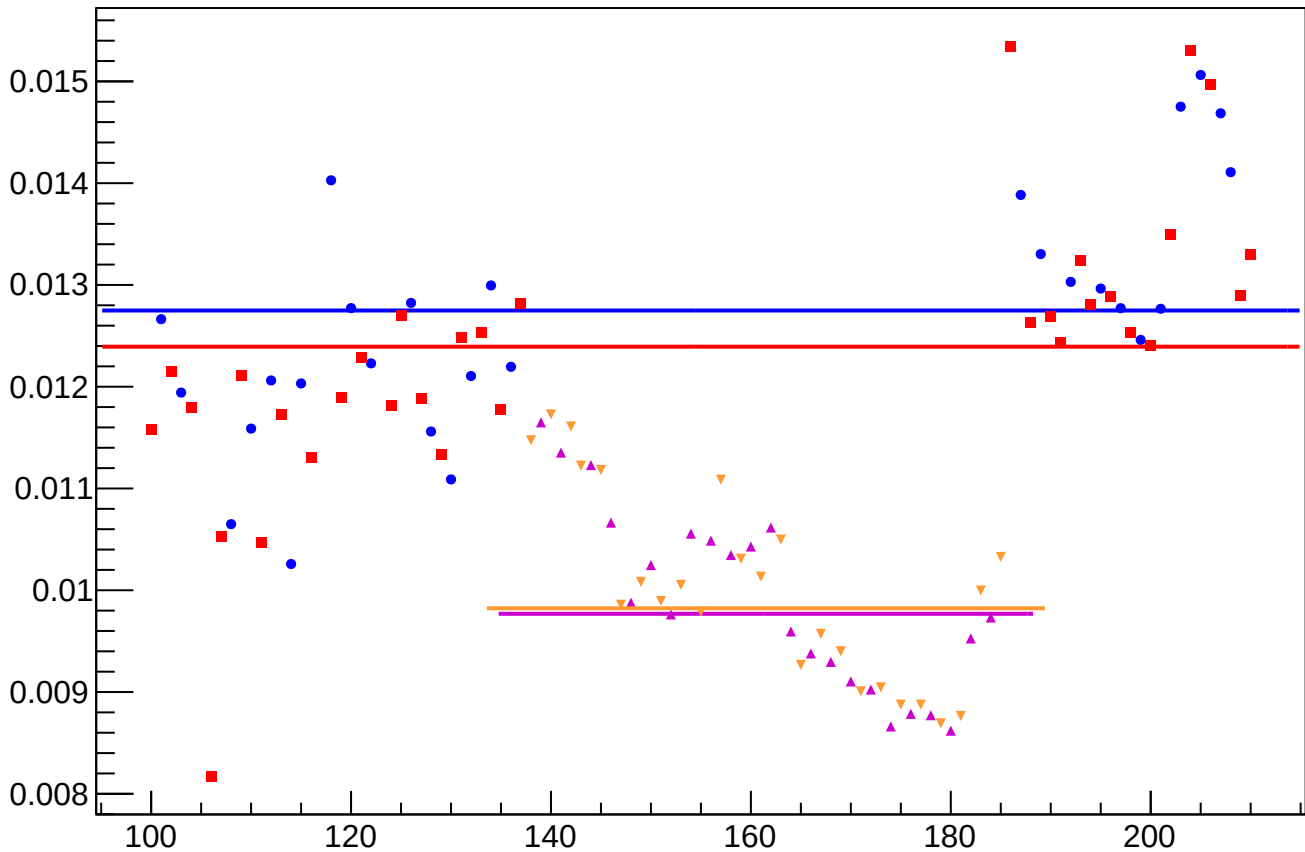
- sign 0.004+/-0.000 χ^2/NDF : 9389231.5/55

yield_bpm0l10X_mean vs Slug



Right In: -0.971+/-0.000 χ^2 /NDF: 4883962735.9/26
 Left Out: -1.051+/-0.000 χ^2 /NDF: 5082084184.4/24
 Right Out: -0.998+/-0.000 χ^2 /NDF: 5025580905.1/32
 Left In: -1.035+/-0.000 χ^2 /NDF: 3925761523.9/22
 All: -1.023+/-0.000 χ^2 /NDF: 19409379032.8/100
 + sign -1.025+/-0.000 χ^2 /NDF: 10364437696.6/51
 - sign -1.021+/-0.000 χ^2 /NDF: 9042597100.9/55

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 230017.1/26

Left Out: 0.010+/-0.000 χ^2/NDF : 293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF : 415274.1/32

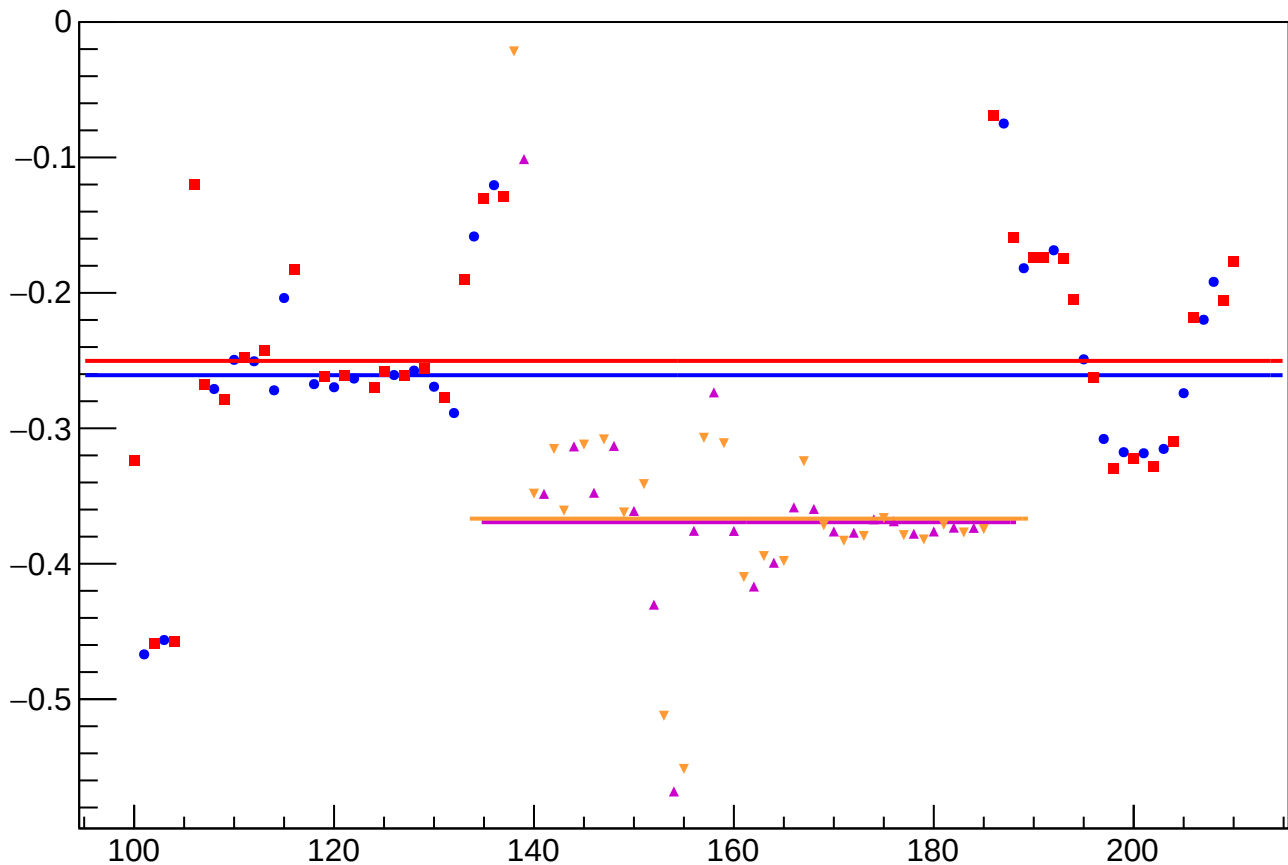
Left In: 0.010+/-0.000 χ^2/NDF : 281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF : 1597013.6/51

All: 0.011+/-0.000 χ^2/NDF : 3259620.3/107

- sign 0.011+/-0.000 χ^2/NDF : 1662577.4/55

yield_bpm0l10Y_mean vs Slug



Right In: -0.261 ± 0.000 χ^2/NDF : 8215533709.6/26

Left Out: -0.367 ± 0.000 χ^2/NDF : 11945266102.2/24

Right Out: -0.250 ± 0.000 χ^2/NDF : 8792543820.8/32

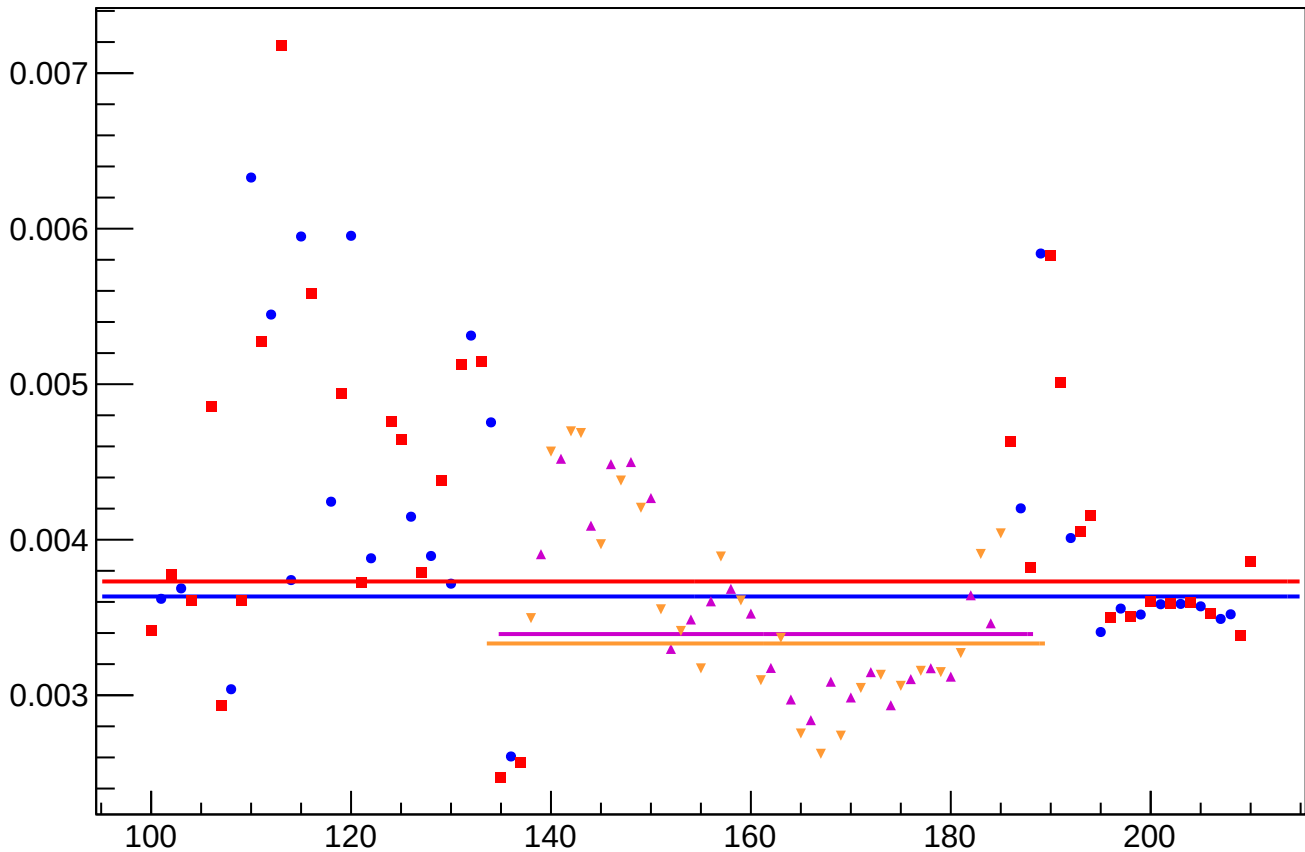
Left In: -0.369 ± 0.000 χ^2/NDF : 7581323027.3/22

+ sign -0.324 ± 0.000 χ^2/NDF : 27278918414.6/51

All: -0.320 ± 0.000 χ^2/NDF : 52855053965.5

- sign -0.316 ± 0.000 χ^2/NDF : 25492914956.6/55

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 909288.9/26

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:857705.2/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1111333.6/32

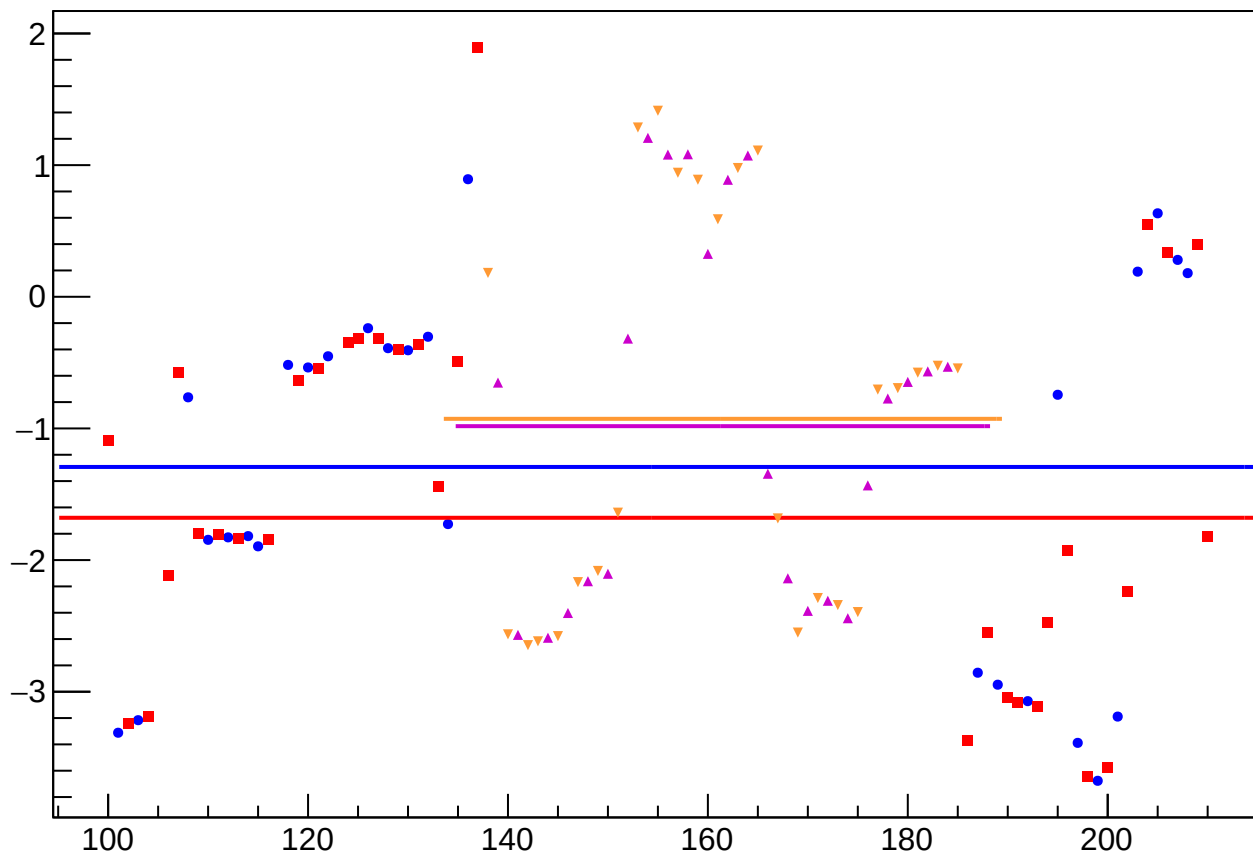
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:633604.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1882934.5/51

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3796227.7/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1892035.6/55

yield_bpm0r03X_mean vs Slug



Right In: -1.293+/-0.000 χ^2/NDF : 6605997951.8/26

Left Out: -0.927+/-0.000 χ^2/NDF : 7248712470.7/24

Right Out: -1.679+/-0.000 χ^2/NDF : 5990190013.3/32

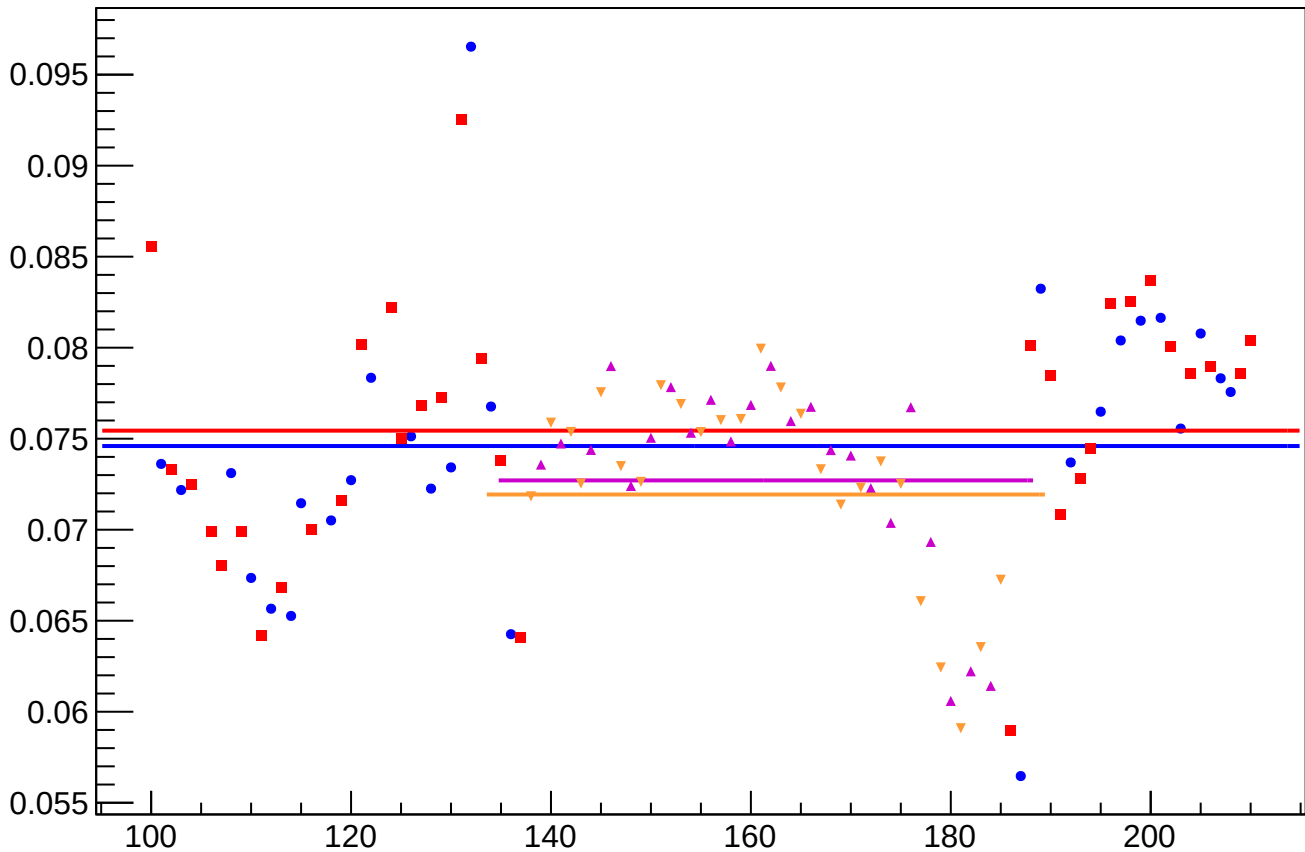
Left In: -0.983+/-0.000 χ^2/NDF : 5918975536.0/22

+ sign -1.085+/-0.000 χ^2/NDF : 14065784238.5/51

All: -1.201+/-0.000 χ^2/NDF : 26935865645.2/51

- sign -1.316+/-0.000 χ^2/NDF : 12695910680.7/55

yield_bpm0r03X_rms vs Slug



Right In: 0.075 $\pm$ 0.000 χ^2 /NDF: 224819.7/26

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:235534.6/24

Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 253630.3/32

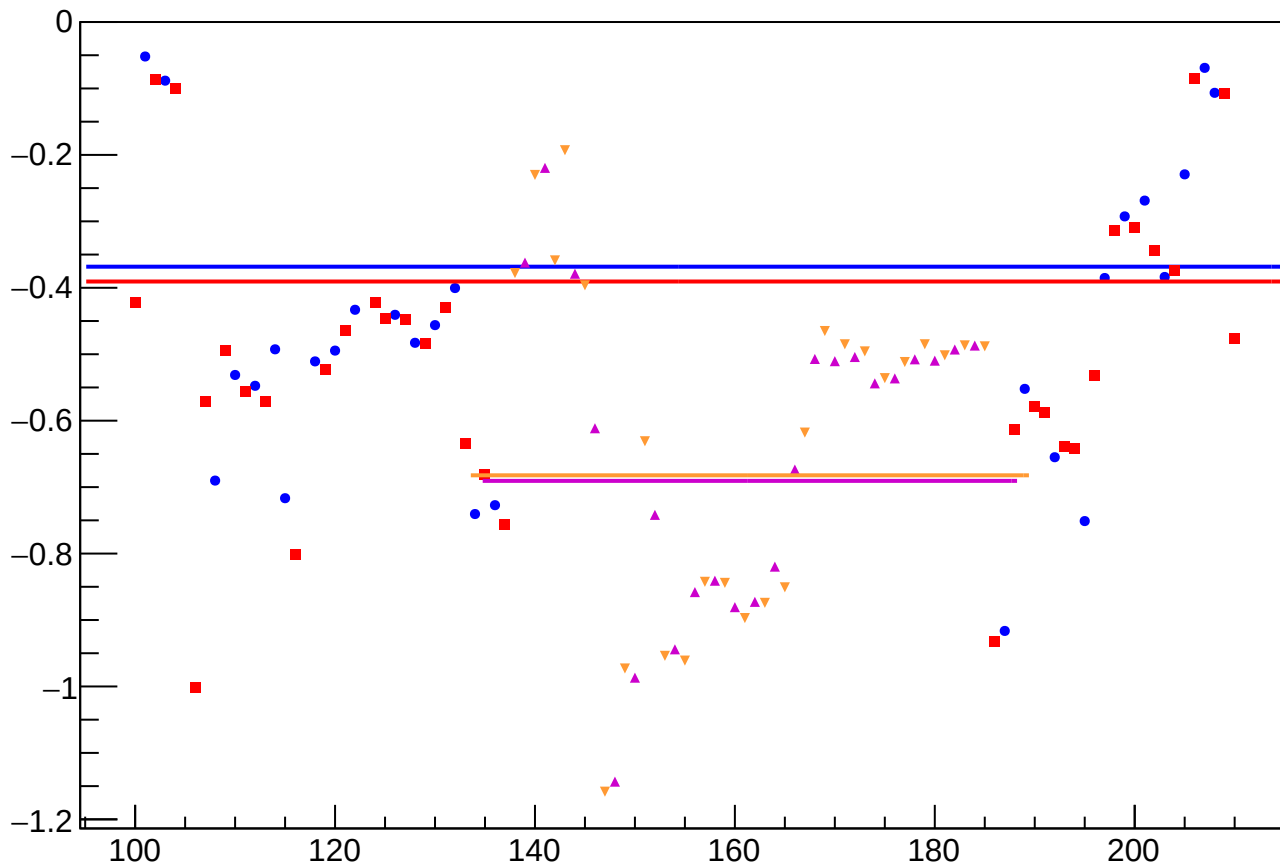
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:197009.2/22

+ sign 0.073 $\pm$ 0.000 χ^2 /NDF: 482750.5/51

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 963375.4/107

- sign 0.074 $\pm$ 0.000 χ^2 /NDF: 474922.0/55

yield_bpm0r03Y_mean vs Slug



Right In: -0.368+/-0.000 χ^2/NDF : 11872795825.7/26

Left Out: -0.682+/-0.000 χ^2/NDF : 21823342960.4/24

Right Out: -0.391+/-0.000 χ^2/NDF : 10940080889.7/32

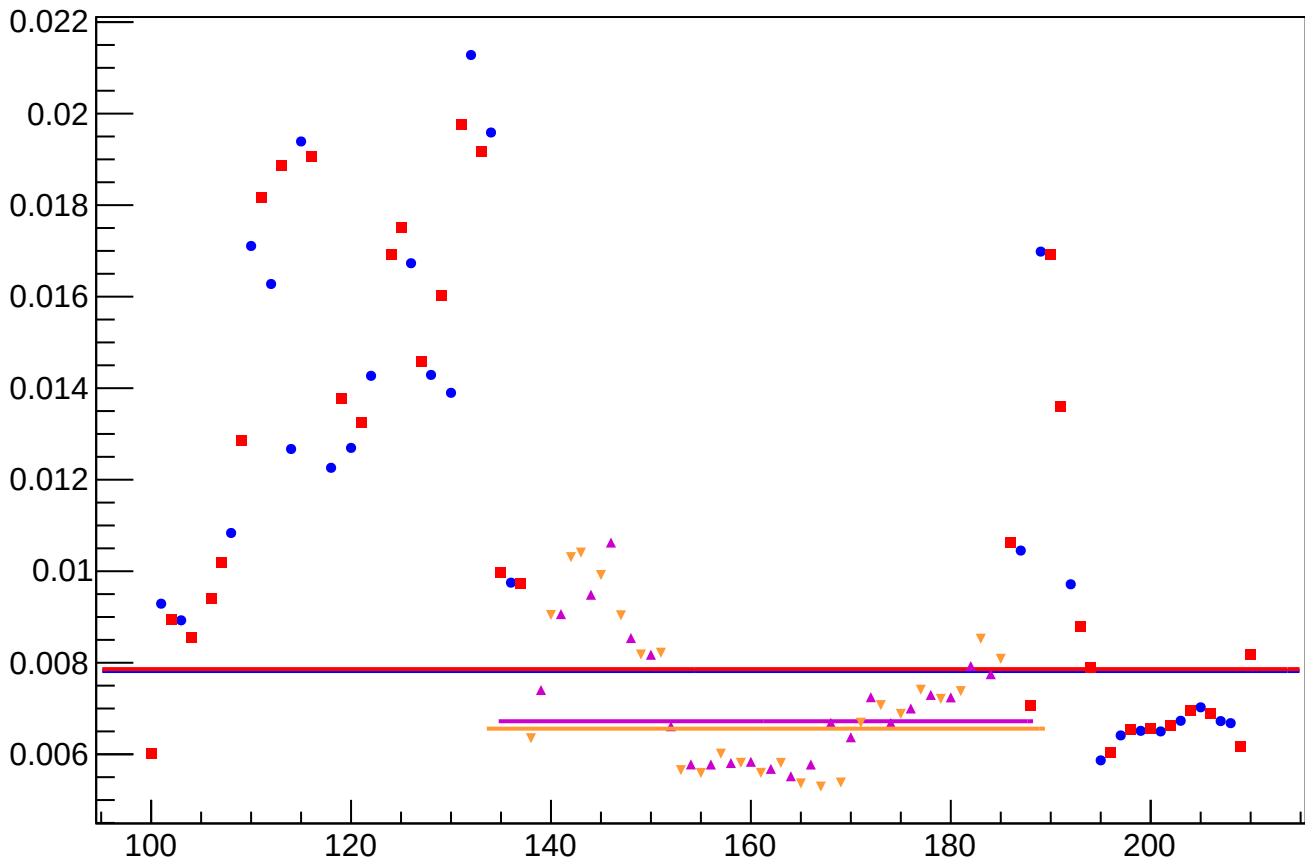
Left In: -0.691+/-0.000 χ^2/NDF : 16867819938.3/22

+ sign -0.573+/-0.000 χ^2/NDF : 47635091387.6/51

All: -0.573+/-0.000 χ^2/NDF : 88603140467.3/100

- sign -0.572+/-0.000 χ^2/NDF : 40967271663.4/55

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2998959.1/26

Left Out: 0.007+/-0.000 χ^2/NDF :1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3257102.2/32

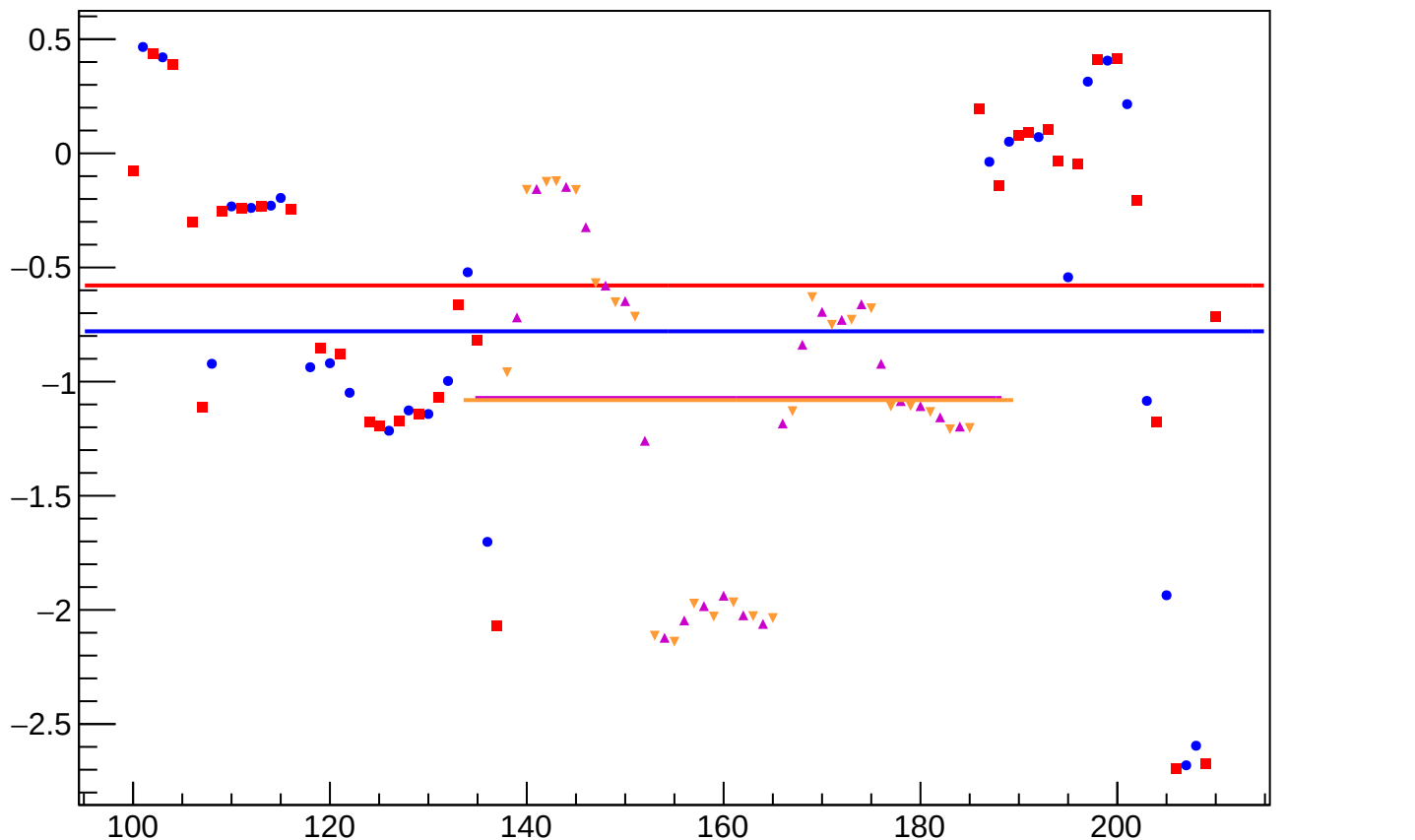
Left In: 0.007+/-0.000 χ^2/NDF :960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 4851270.2/51

All: 0.007+/-0.000 χ^2/NDF : 9467587.3/107

- sign 0.007+/-0.000 χ^2/NDF : 4597127.5/55

yield_bpm0r05X_mean vs Slug



Right In: -0.780 ± 0.000 $\chi^2/\text{NDF}: 1683453408.9/26$

Left Out: -1.081 ± 0.000 $\chi^2/\text{NDF}: 1152285460.9/24$

Right Out: -0.579 ± 0.000 $\chi^2/\text{NDF}: 1660013608.9/32$

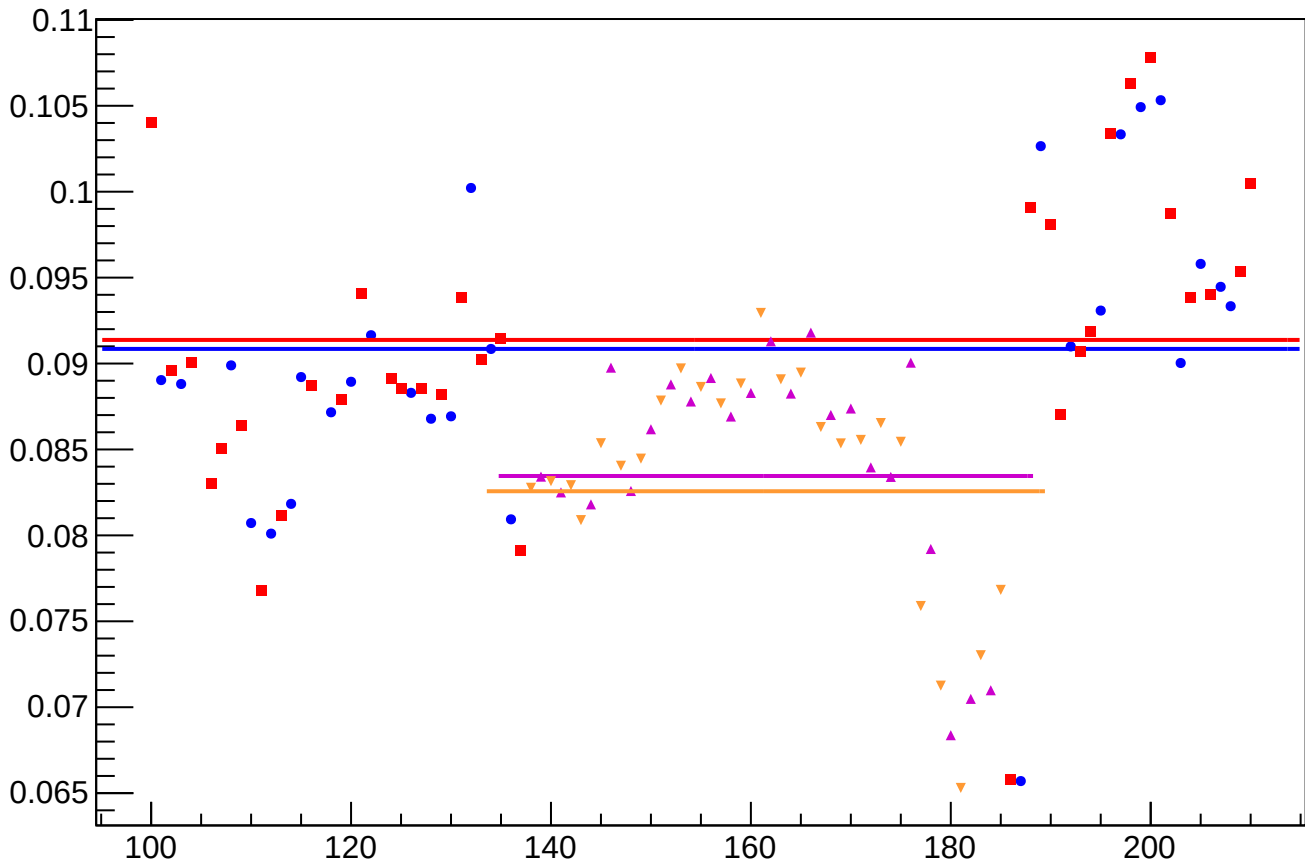
Left In: -1.072 ± 0.000 $\chi^2/\text{NDF}: 975623531.2/22$

+ sign -0.959 ± 0.000 $\chi^2/\text{NDF}: 2938358367.4/51$

All: -0.904 ± 0.000 $\chi^2/\text{NDF}: 5888196154.8/1$

- sign -0.849 ± 0.000 $\chi^2/\text{NDF}: 2920913363.3/55$

yield_bpm0r05X_rms vs Slug



Right In: 0.091 $\pm$ 0.000 χ^2 /NDF: 238975.8/26

Left Out: 0.083 $\pm$ 0.000 χ^2 /NDF:291134.3/24

Right Out: 0.091 $\pm$ 0.000 χ^2 /NDF: 345370.8/32

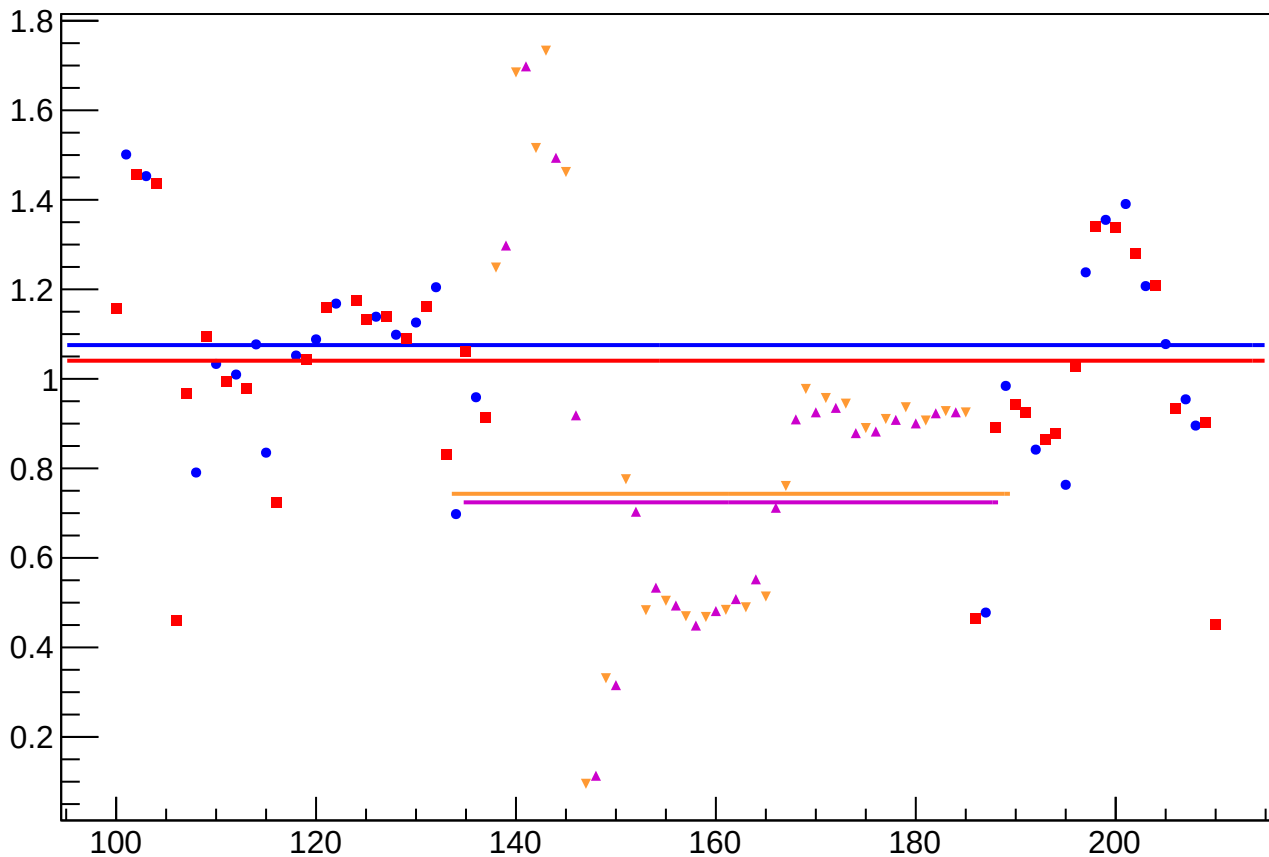
Left In: 0.083 $\pm$ 0.000 χ^2 /NDF:238412.3/22

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 685126.1/51

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 1422213.1/107

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 731059.6/55

yield_bpm0r05Y_mean vs Slug



Right In: 1.075+/-0.000 χ^2/NDF : 5601991116.7/26

Left Out: 0.743+/-0.000 χ^2/NDF : 32581746516.6/24

Right Out: 1.041+/-0.000 χ^2/NDF : 7529611471.3/32

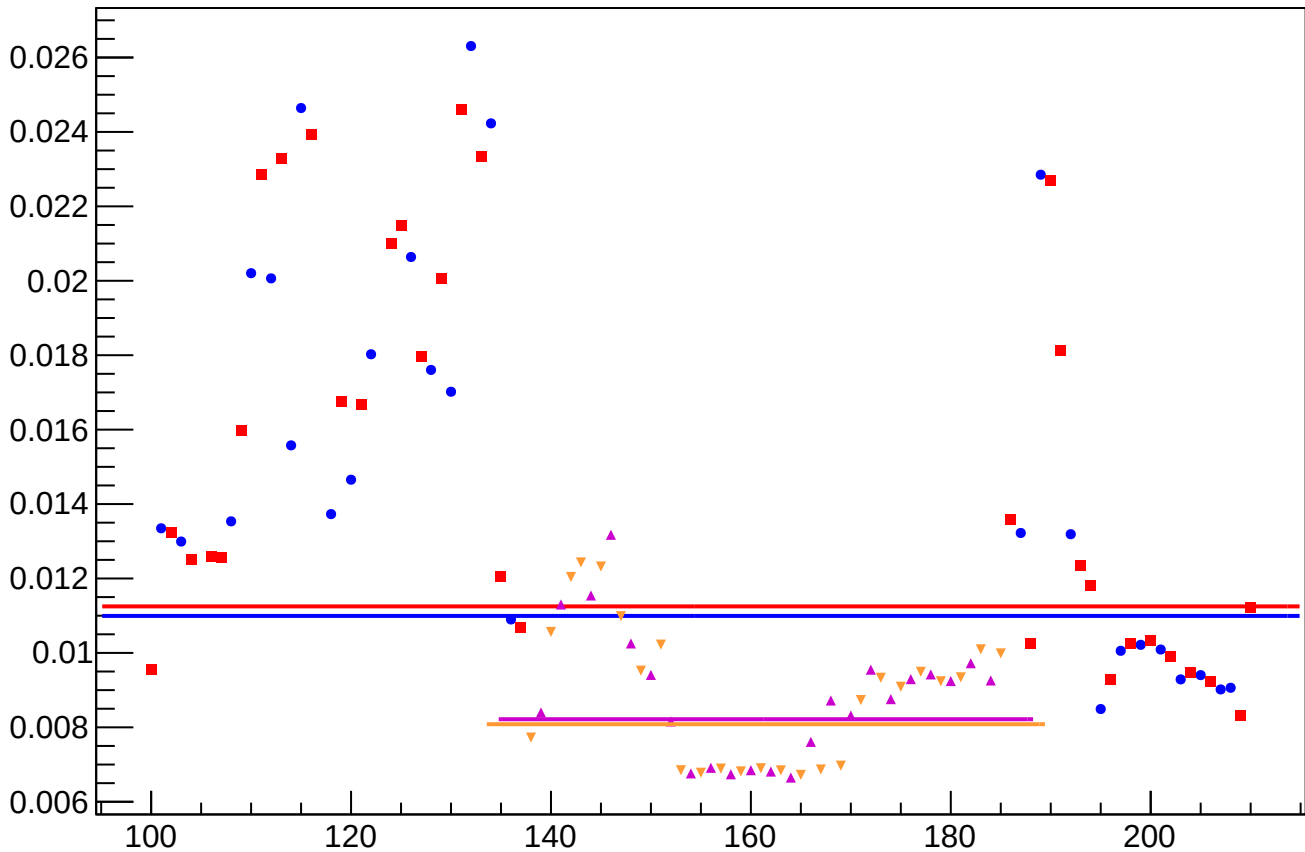
Left In: 0.724+/-0.000 χ^2/NDF : 25654534031.9/22

+ sign 0.841+/-0.000 χ^2/NDF : 46961631417.4/51

All: 0.835+/-0.000 χ^2/NDF : 88337565709.0/1

- sign 0.828+/-0.000 χ^2/NDF : 41347499245.4/55

yield_bpm0r05Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2193891.6/26

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1406307.1/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 2456962.1/32

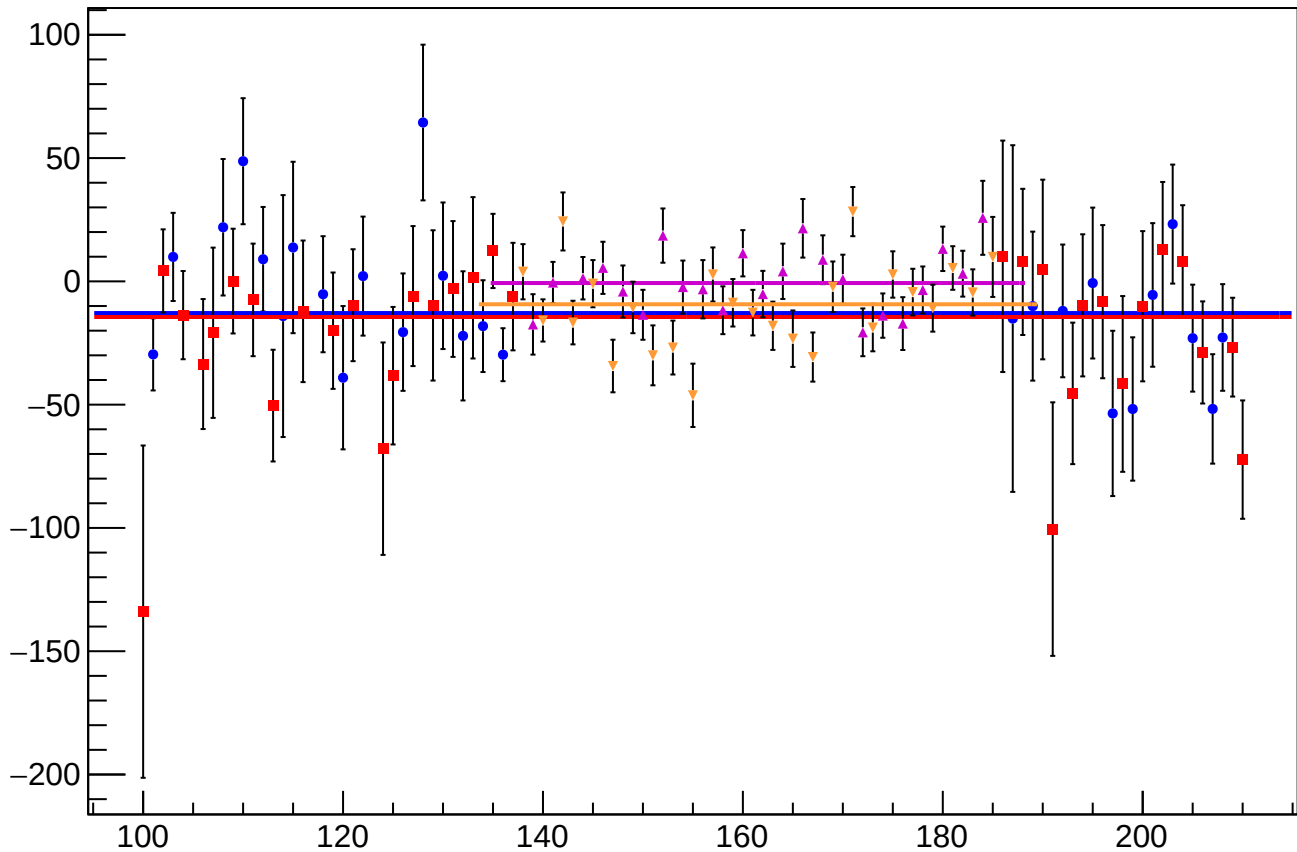
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1127833.6/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 4947517.7/51

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 10060877.3/107

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 5083985.2/55

diff_bpm4aX_mean vs Slug



Right In: -12.847 ± 4.440 χ^2/NDF : 31.5/26

Left Out: -9.292 ± 2.031 χ^2/NDF : 61.1/24

Right Out: -14.451 ± 4.430 χ^2/NDF : 28.6/32

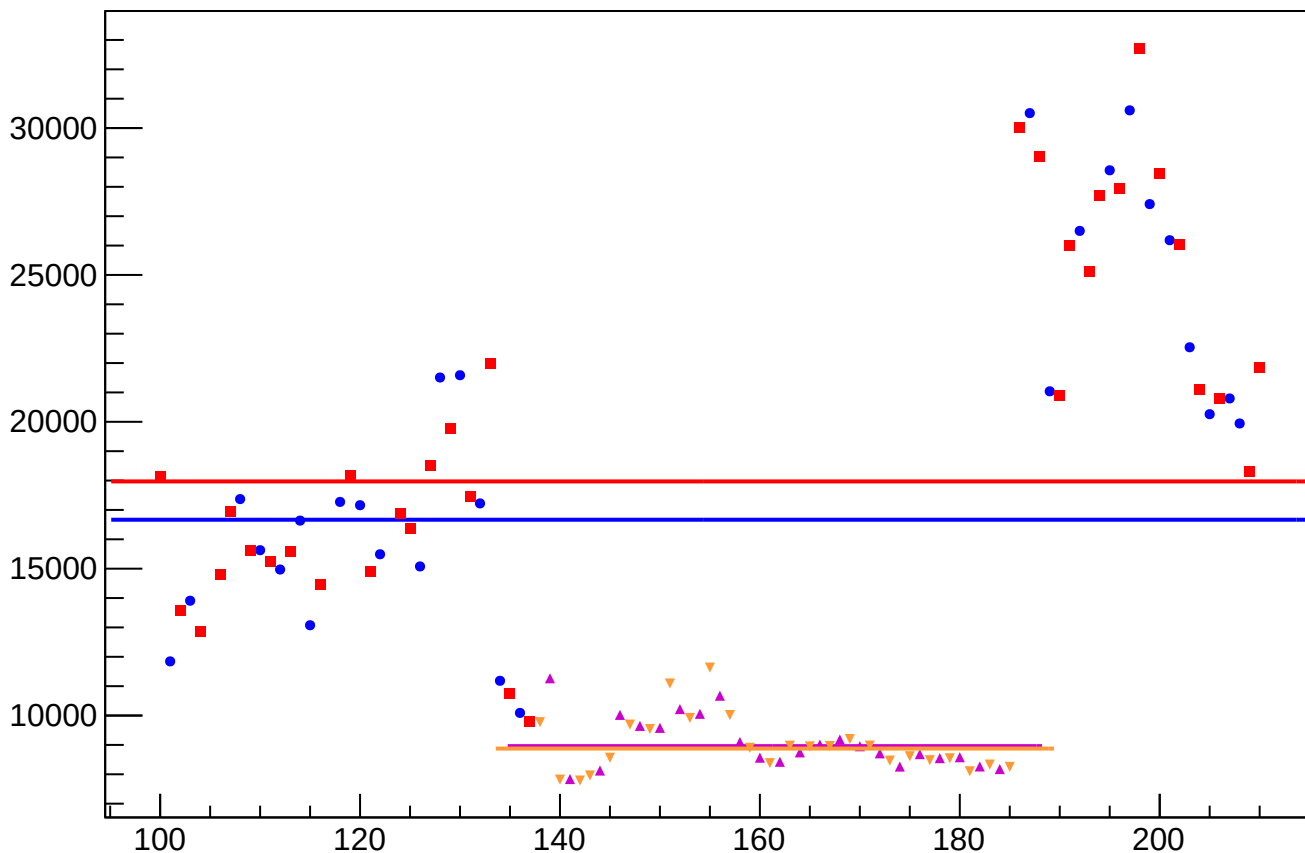
Left In: -0.676 ± 2.104 χ^2/NDF : 29.4/22

+ sign -9.907 ± 1.847 χ^2/NDF : 93.2/51

All: -6.656 ± 1.324 χ^2/NDF : 165.5/107

- sign -3.211 ± 1.901 χ^2/NDF : 65.9/55

diff_bpm4aX_rms vs Slug



Right In: 16666.257+/-3.139 χ^2/NDF : 3155250.1/26

Left Out: 8875.623+/-1.436 χ^2/NDF :346964.6/24

+ sign 10223.465+/-1.306 χ^2/NDF : 8595498.2/51

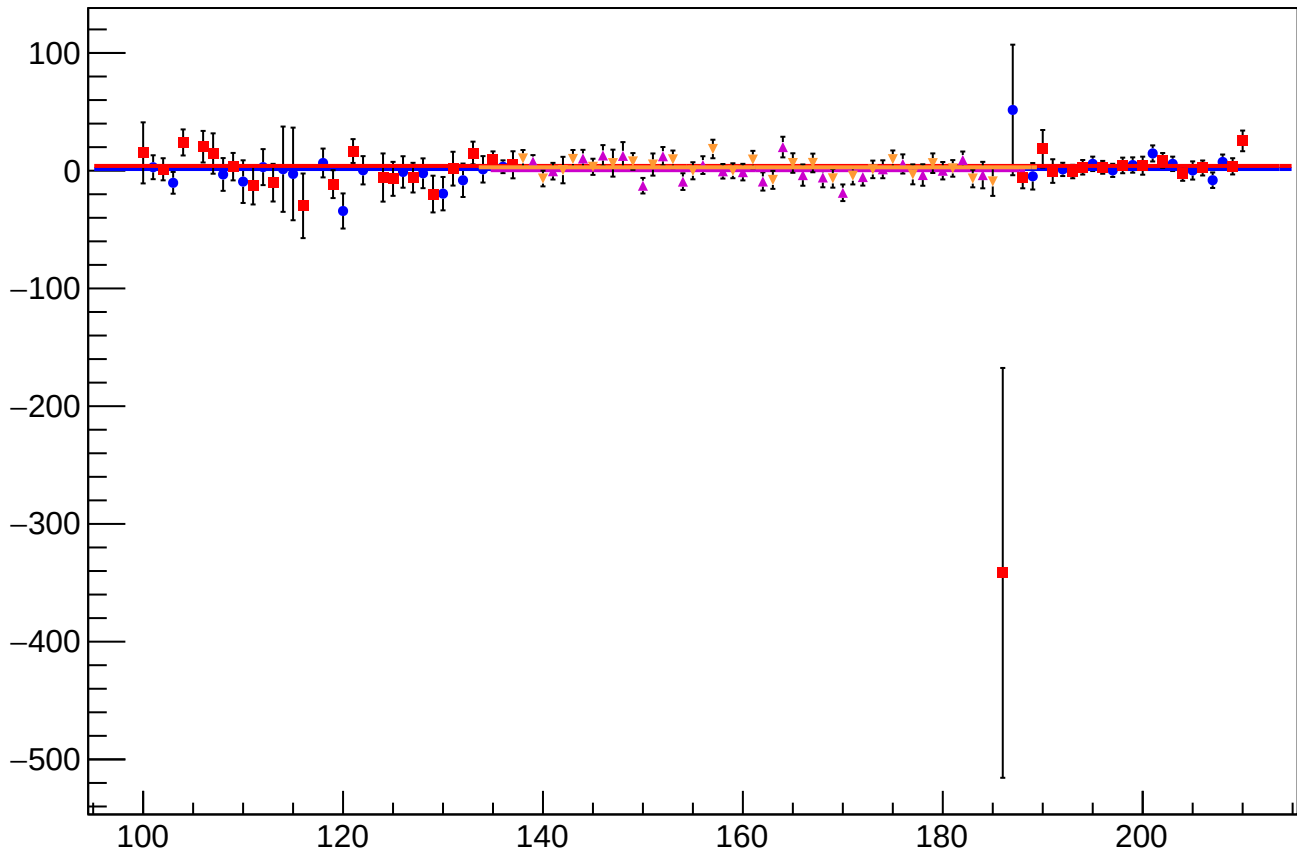
Right Out: 17970.481+/-3.133 χ^2/NDF : 3168084.9/32

All: 10414.738+/-0.937 χ^2/NDF : 18861712.2

Left In: 8958.661+/-1.488 χ^2/NDF :301724.6/22

- sign 10617.382+/-1.344 χ^2/NDF : 10222022.1/55

diff_bpm4aY_mean vs Slug



Right In: 1.426 ± 1.685 χ^2/NDF : 20.1/26

Left Out: 2.879 ± 1.554 χ^2/NDF : 19.5/24

Right Out: 4.060 ± 1.608 χ^2/NDF : 31.8/32

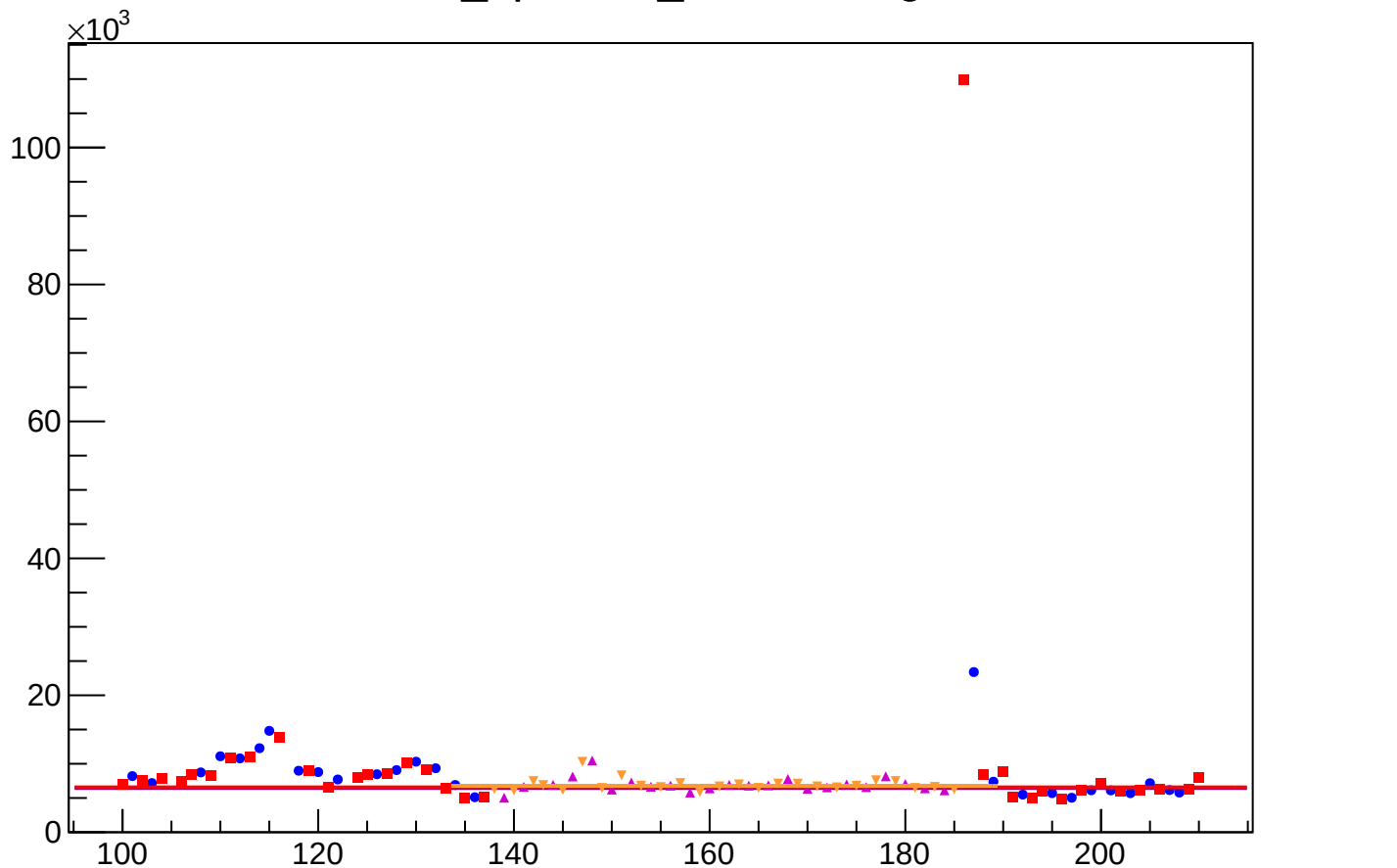
Left In: 0.456 ± 1.581 χ^2/NDF : 32.8/22

+ sign 2.211 ± 1.142 χ^2/NDF : 40.0/51

All: 2.220 ± 0.802 χ^2/NDF : 107.2/107

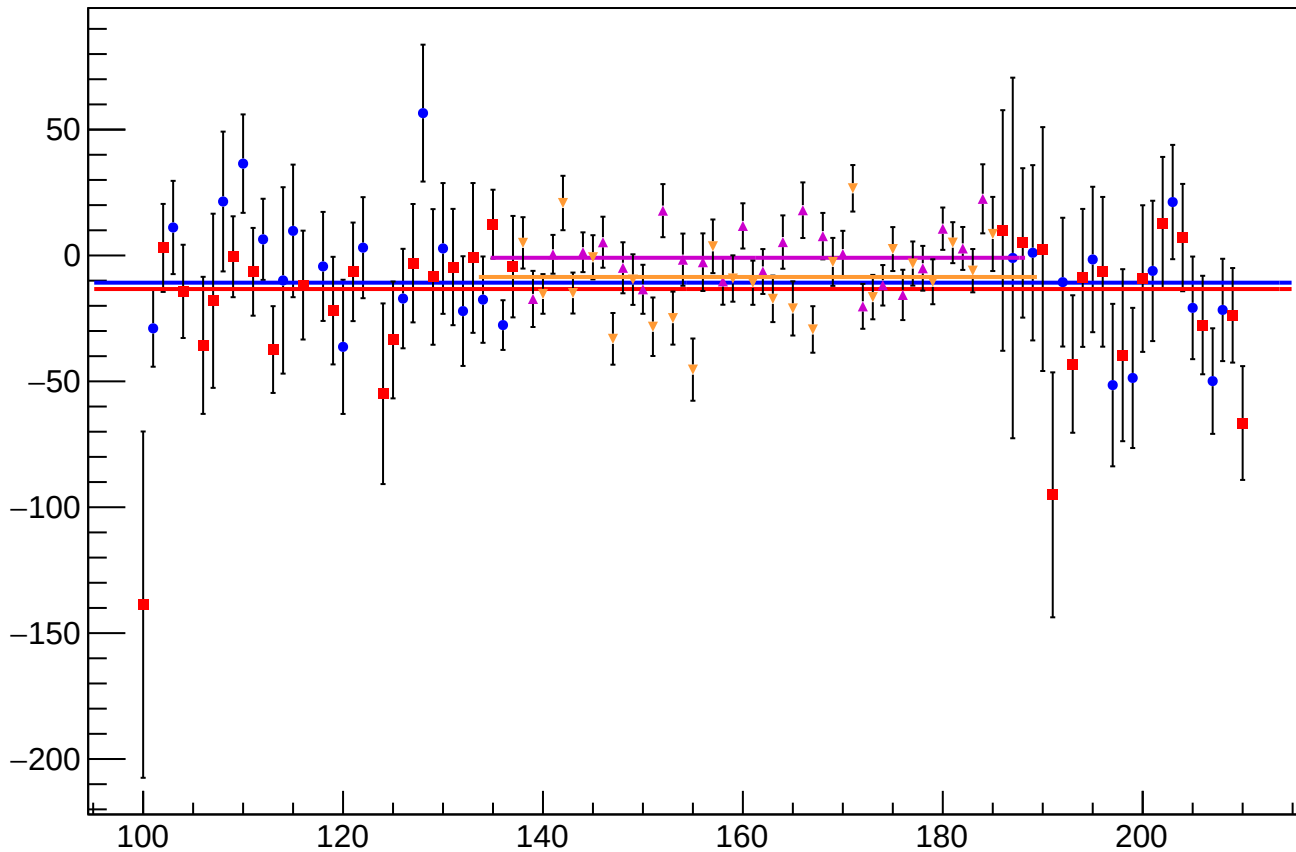
- sign 2.228 ± 1.127 χ^2/NDF : 67.1/55

diff_bpm4aY_rms vs Slug



Right In: 6469.755 ± 1.191 $\chi^2/\text{NDF}: 1701127.5/26$ + sign 6635.670 ± 0.808 $\chi^2/\text{NDF}: 2137171.0/51$
 Left Out: 6776.739 ± 1.099 $\chi^2/\text{NDF}: 400166.7/24$ All: 6627.706 ± 0.567 $\chi^2/\text{NDF}: 5152854.8/10$
 Right Out: 6547.992 ± 1.137 $\chi^2/\text{NDF}: 2387335.7/32$ - sign 6619.947 ± 0.797 $\chi^2/\text{NDF}: 3015491.9/55$
 Left In: 6689.550 ± 1.118 $\chi^2/\text{NDF}: 620276.8/22$

diff_bpm4eX_mean vs Slug



Right In: -10.805 ± 4.059 χ^2/NDF : 32.8/26

Left Out: -8.536 ± 1.897 χ^2/NDF : 61.9/24

Right Out: -13.333 ± 4.016 χ^2/NDF : 28.0/32

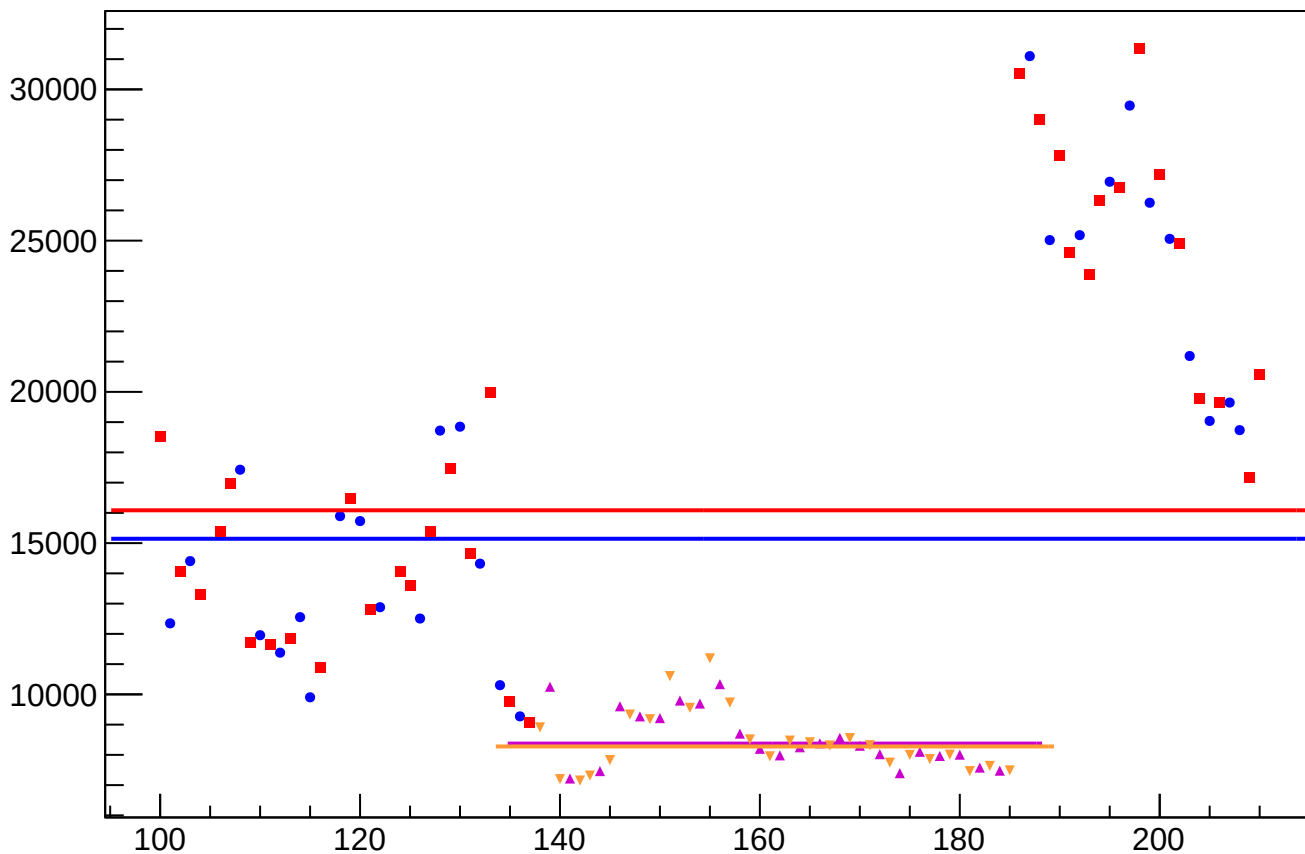
Left In: -0.919 ± 1.969 χ^2/NDF : 29.1/22

+ sign -8.943 ± 1.718 χ^2/NDF : 95.0/51

All: -6.214 ± 1.232 χ^2/NDF : 165.0/107

- sign -3.325 ± 1.768 χ^2/NDF : 64.8/55

diff_bpm4eX_rms vs Slug



Right In: 15144.366 $\pm$ 2.870 χ^2 /NDF: 3582803.1/26

Left Out: 8277.768 $\pm$ 1.341 χ^2 /NDF:455108.5/24

Right Out: 16085.298 $\pm$ 2.840 χ^2 /NDF: 3963203.6/32

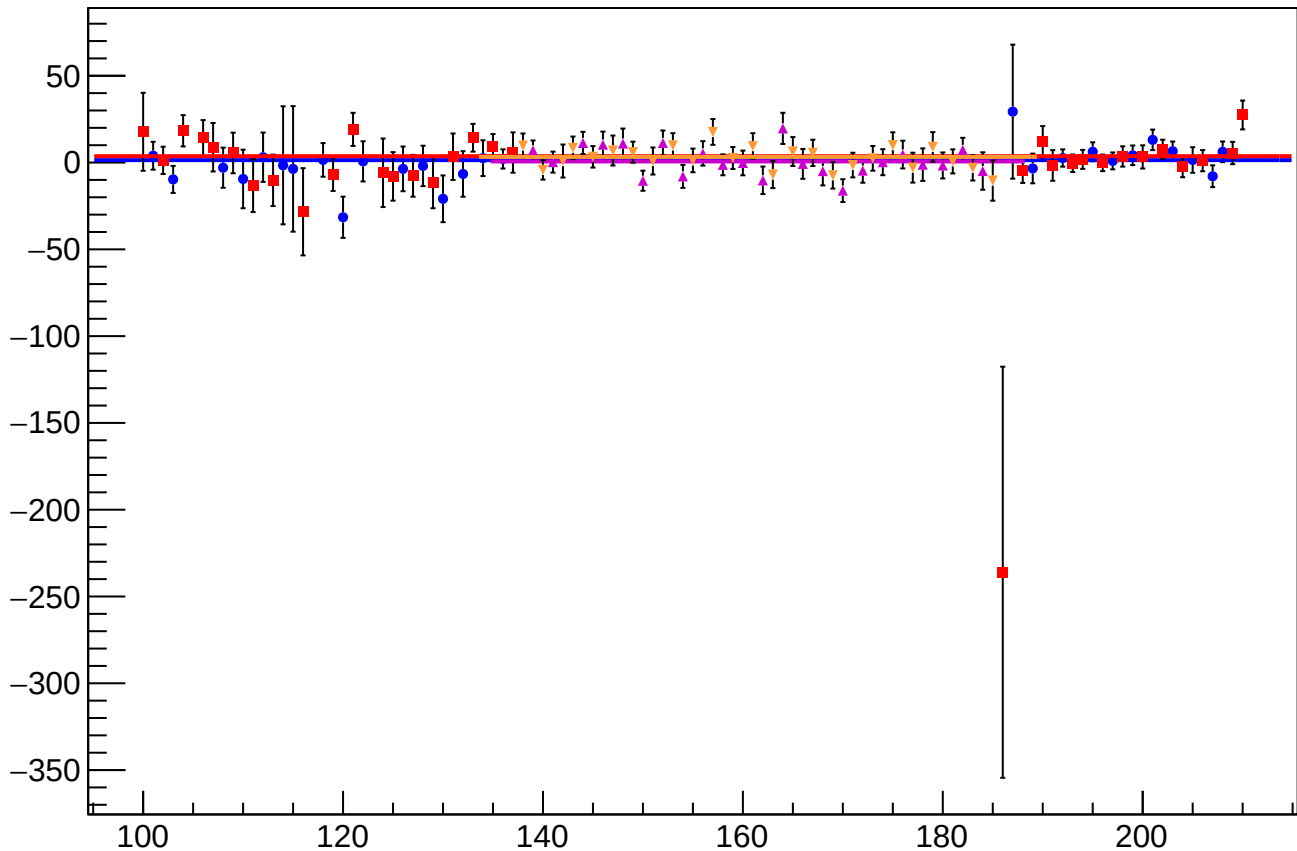
Left In: 8372.363 $\pm$ 1.392 χ^2 /NDF:392872.1/22

+ sign 9508.190 $\pm$ 1.215 χ^2 /NDF: 8735212.7/51

All: 9682.515 $\pm$ 0.871 χ^2 /NDF: 19081300.4/1

- sign 9867.033 $\pm$ 1.250 χ^2 /NDF: 10303716.2/55

diff_bpm4eY_mean vs Slug



Right In: 1.383 ± 1.513 χ^2/NDF : 23.3/26

Left Out: 3.255 ± 1.457 χ^2/NDF : 17.6/24

Right Out: 3.666 ± 1.427 χ^2/NDF : 35.1/32

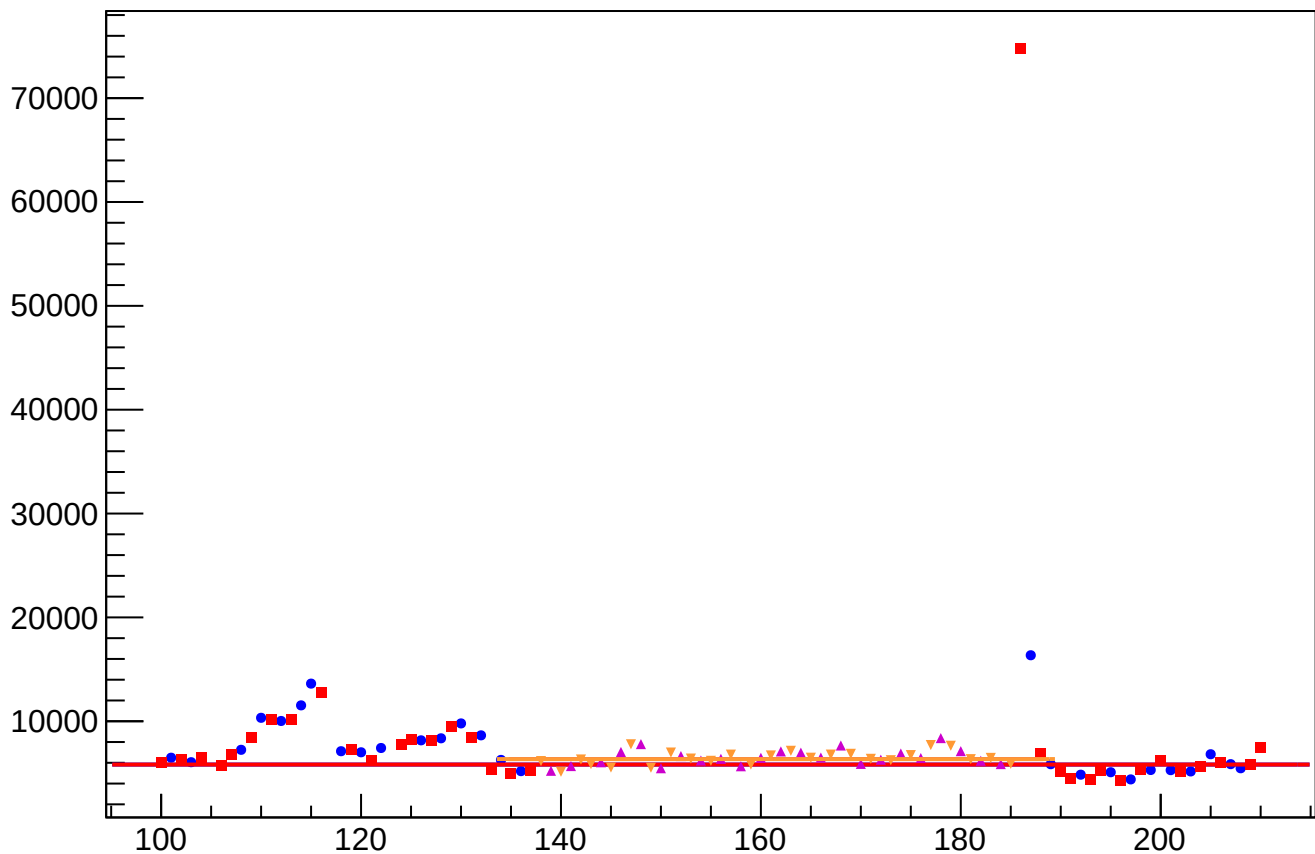
Left In: 0.645 ± 1.499 χ^2/NDF : 30.8/22

+ sign 2.354 ± 1.050 χ^2/NDF : 41.7/51

All: 2.291 ± 0.737 χ^2/NDF : 109.7/107

- sign 2.230 ± 1.034 χ^2/NDF : 68.0/55

diff_bpm4eY_rms vs Slug



Right In: 5828.582 $\pm$ 1.070 χ^2 /NDF: 1600502.9/26

Left Out: 6357.608 $\pm$ 1.030 χ^2 /NDF: 414119.5/24

Right Out: 5829.605 $\pm$ 1.009 χ^2 /NDF: 2381187.7/32

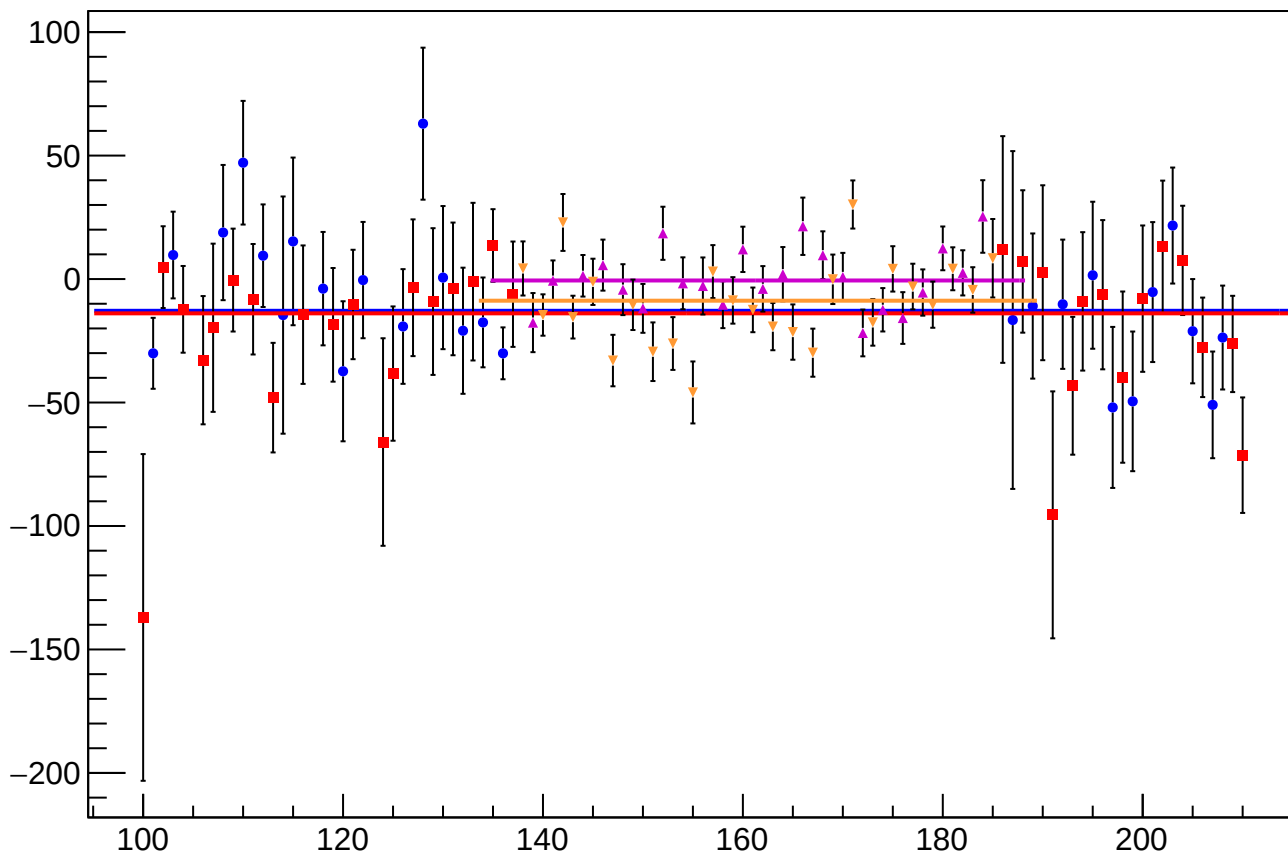
Left In: 6359.907 $\pm$ 1.060 χ^2 /NDF: 473875.4/22

+ sign 6103.103 $\pm$ 0.742 χ^2 /NDF: 2141441.6/51

All: 6092.250 $\pm$ 0.521 χ^2 /NDF: 5128188.4/10

- sign 6081.724 $\pm$ 0.731 χ^2 /NDF: 2986325.6/55

diff_bpm4acX_mean vs Slug



Right In: -12.859 ± 4.338 χ^2/NDF : 31.5/26

Left Out: -8.767 ± 1.987 χ^2/NDF : 62.7/24

Right Out: -13.889 ± 4.328 χ^2/NDF : 29.0/32

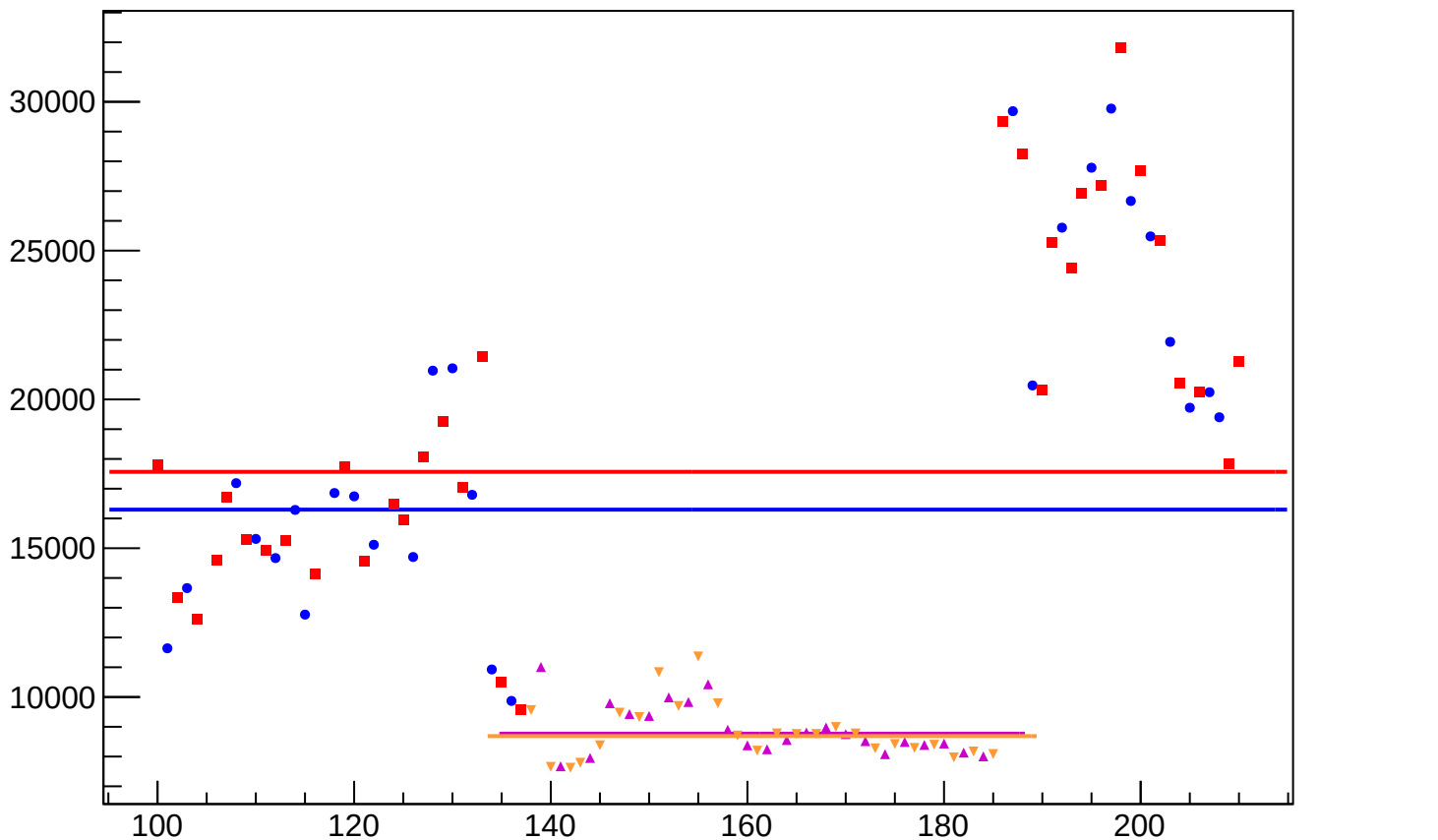
Left In: -0.579 ± 2.059 χ^2/NDF : 29.6/22

+ sign -9.476 ± 1.806 χ^2/NDF : 95.0/51

All: -6.349 ± 1.296 χ^2/NDF : 167.5/107

- sign -3.036 ± 1.859 χ^2/NDF : 66.3/55

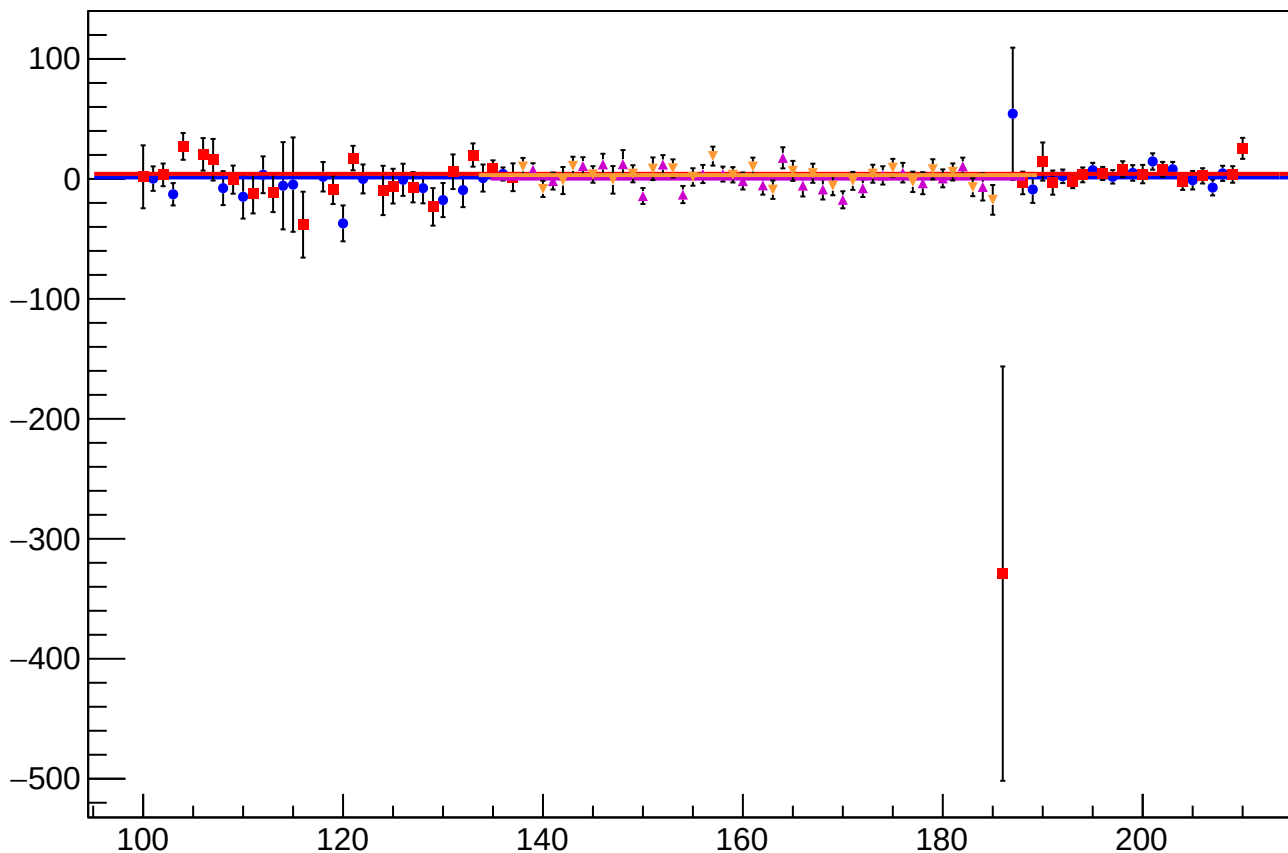
diff_bpm4acX_rms vs Slug



Right In: 16296.562 ± 3.067 $\chi^2/\text{NDF}: 3109949.7/26$
 Left Out: 8686.048 ± 1.405 $\chi^2/\text{NDF}: 340655.6/24$
 Right Out: 17567.158 ± 3.060 $\chi^2/\text{NDF}: 3117471.1/32$
 Left In: 8767.705 ± 1.456 $\chi^2/\text{NDF}: 295552.8/22$

+ sign 10006.084 ± 1.277 $\chi^2/\text{NDF}: 8539741.6/51$
 All: 10193.540 ± 0.916 $\chi^2/\text{NDF}: 18739698.2$
 - sign 10392.137 ± 1.315 $\chi^2/\text{NDF}: 10155604.0/55$

diff_bpm4acY_mean vs Slug



Right In: 1.223 $\pm$ 1.690 χ^2 /NDF: 23.3/26

Left Out: 3.171 $\pm$ 1.562 χ^2 /NDF:21.7/24

Right Out: 4.249 $\pm$ 1.613 χ^2 /NDF: 35.6/32

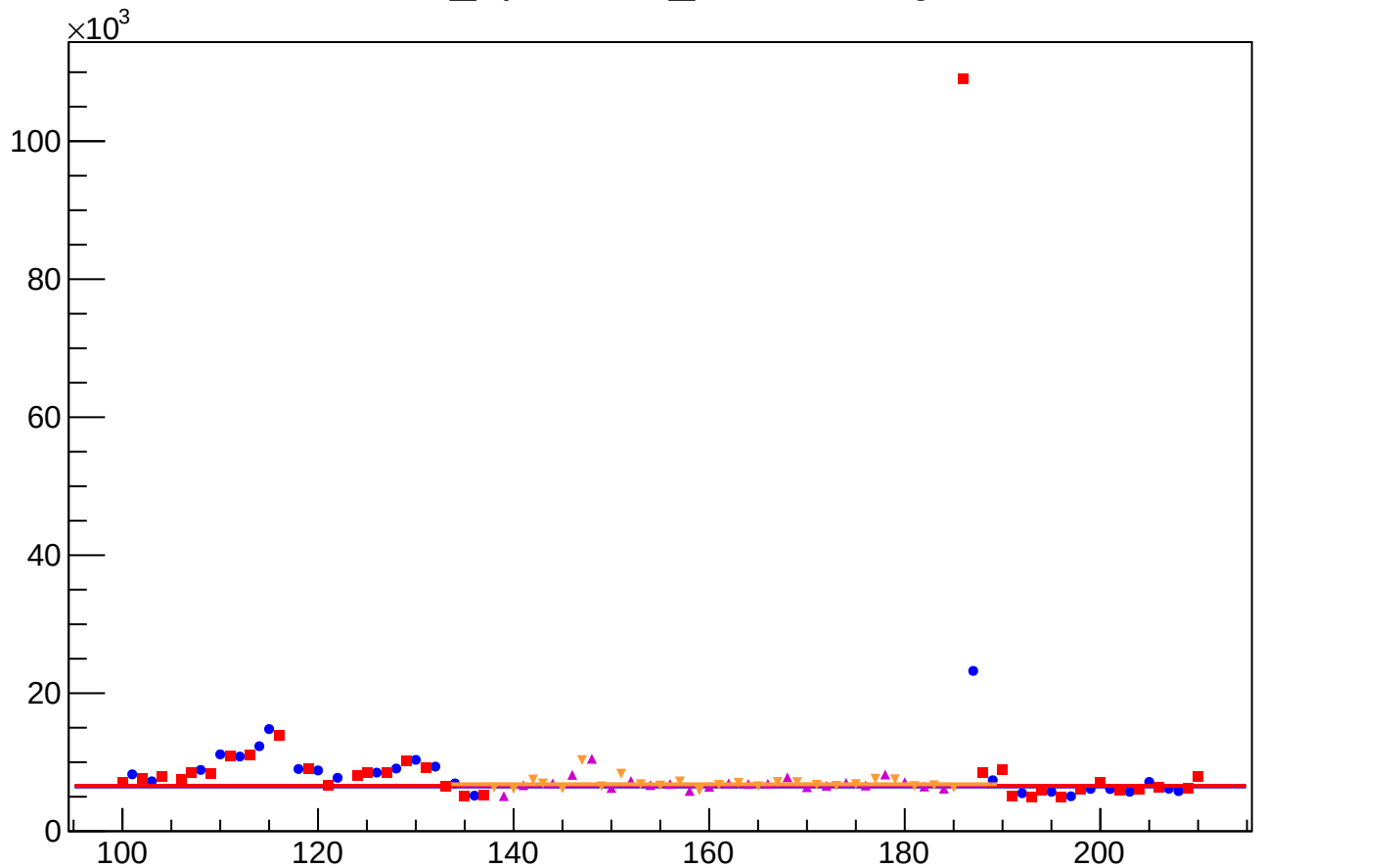
Left In: 0.269 $\pm$ 1.590 χ^2 /NDF:34.2/22

+ sign 2.274 $\pm$ 1.147 χ^2 /NDF: 45.7/51

All: 2.252 $\pm$ 0.806 χ^2 /NDF: 118.6/107

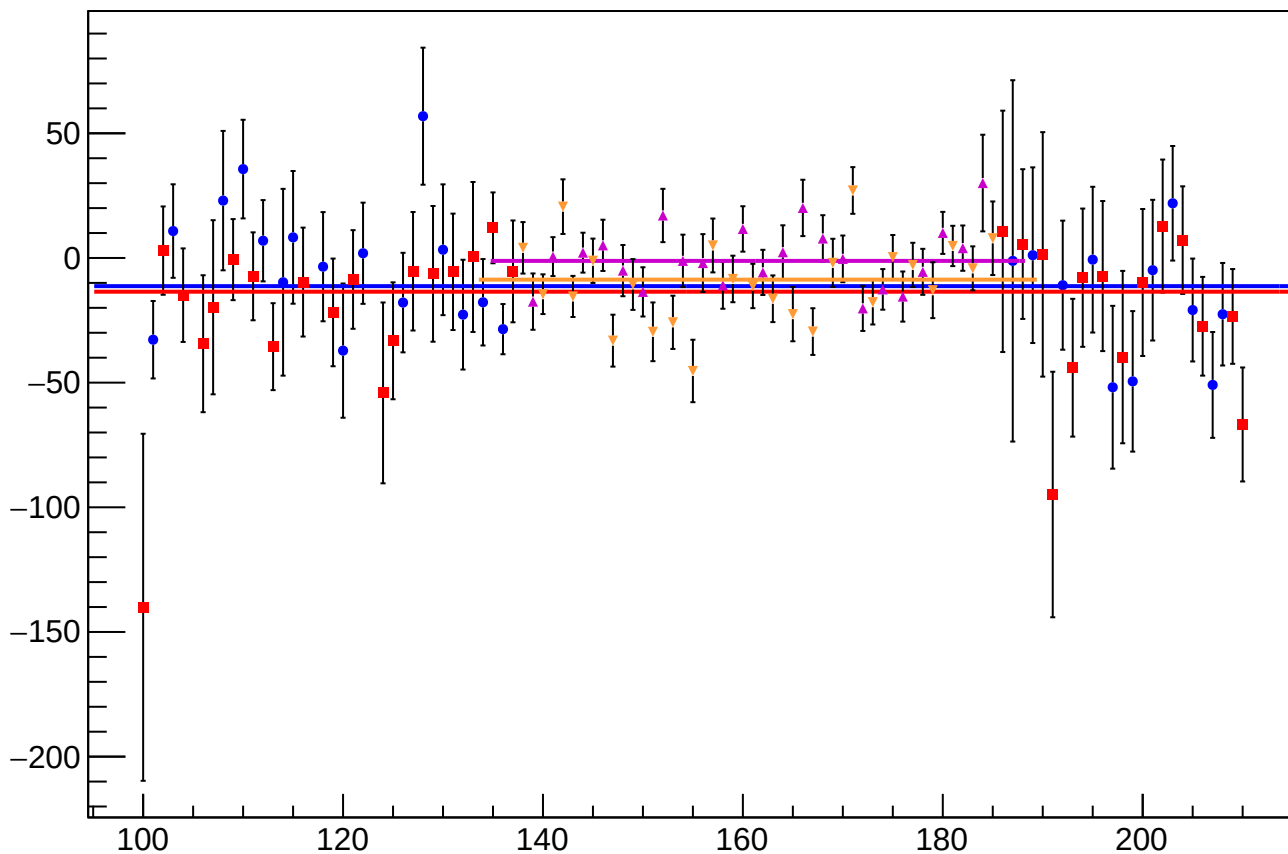
- sign 2.230 $\pm$ 1.132 χ^2 /NDF: 72.9/55

diff_bpm4acY_rms vs Slug



Right In: 6490.520 ± 1.195 $\chi^2/\text{NDF}: 1699889.0/26$ + sign 6664.447 ± 0.811 $\chi^2/\text{NDF}: 2133773.6/51$
 Left Out: 6812.964 ± 1.104 $\chi^2/\text{NDF}: 394620.8/24$ All: 6657.450 ± 0.570 $\chi^2/\text{NDF}: 5133921.0/10$
 Right Out: 6571.150 ± 1.141 $\chi^2/\text{NDF}: 2380390.2/32$ - sign 6650.631 ± 0.801 $\chi^2/\text{NDF}: 3000000.4/55$
 Left In: 6727.864 ± 1.124 $\chi^2/\text{NDF}: 610037.3/22$

diff_bpm4ecX_mean vs Slug



Right In: -11.301 ± 4.113 χ^2/NDF : 33.4/26

Left Out: -8.692 ± 1.936 χ^2/NDF : 61.4/24

Right Out: -13.527 ± 4.072 χ^2/NDF : 26.7/32

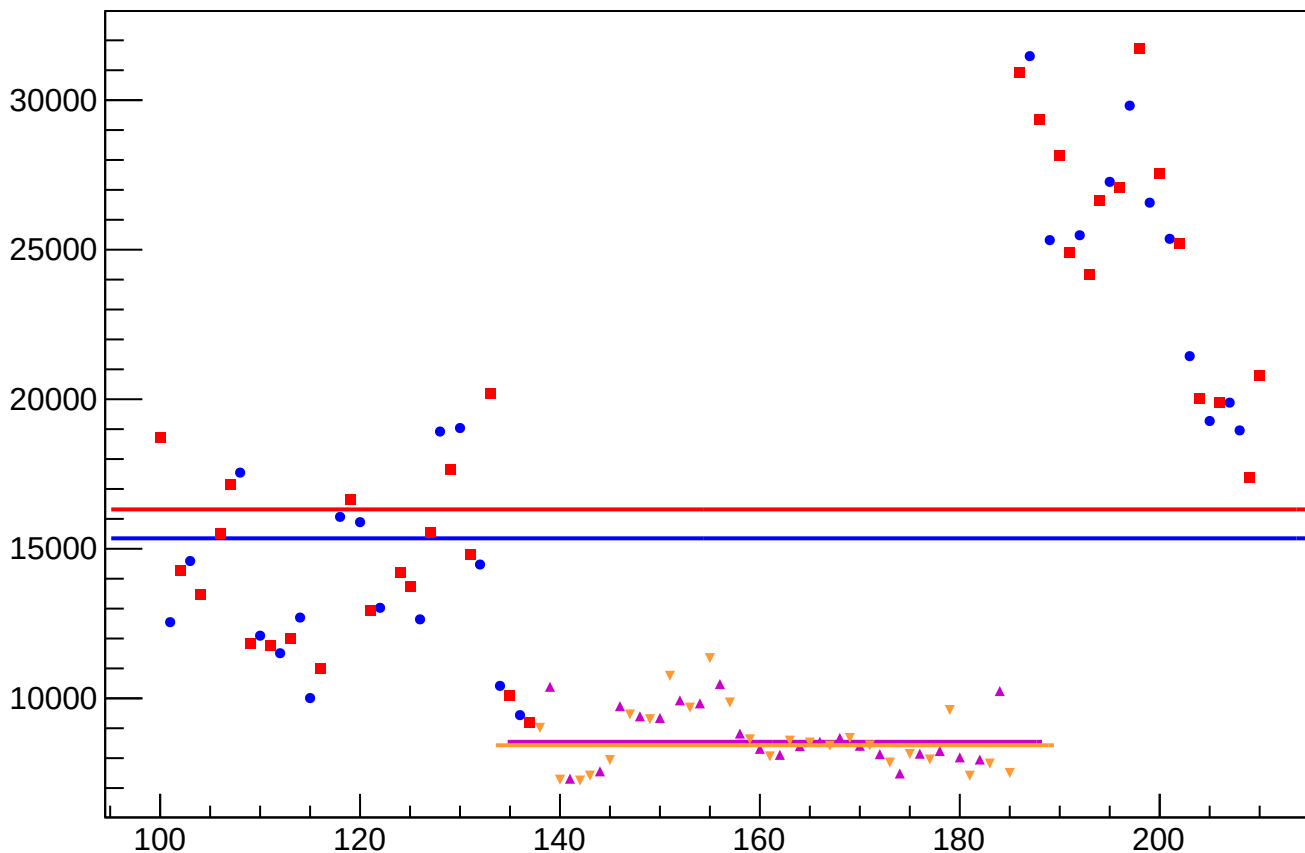
Left In: -1.174 ± 2.012 χ^2/NDF : 28.6/22

+ sign -9.166 ± 1.752 χ^2/NDF : 95.2/51

All: -6.464 ± 1.257 χ^2/NDF : 162.7/107

- sign -3.599 ± 1.804 χ^2/NDF : 62.7/55

diff_bpm4ecX_rms vs Slug



Right In: 15349.576+/-2.909 χ^2/NDF : 3556876.5/26

Left Out: 8430.683+/-1.369 χ^2/NDF : 484653.2/24

Right Out: 16316.544+/-2.879 χ^2/NDF : 3918092.9/32

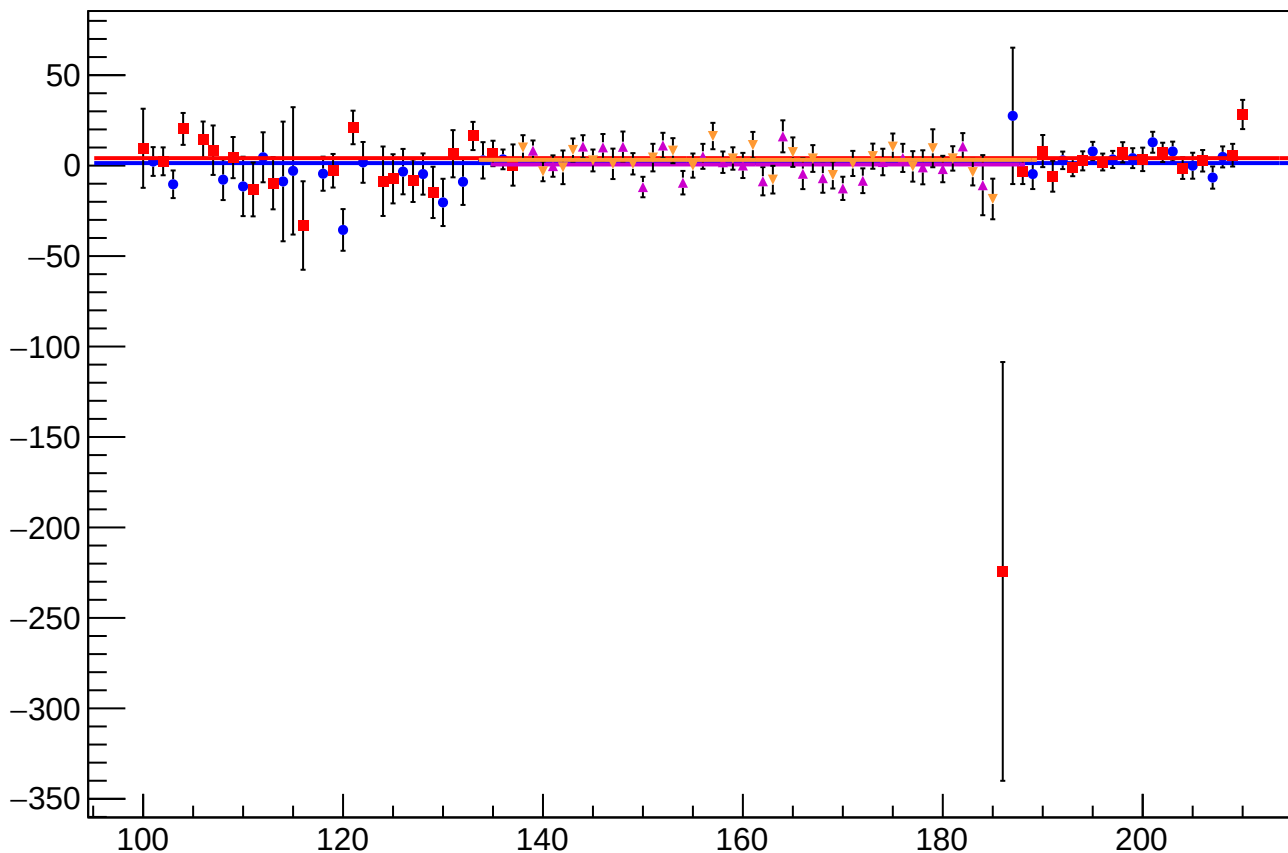
Left In: 8545.534+/-1.423 χ^2/NDF : 389747.0/22

+ sign 9685.529+/-1.239 χ^2/NDF : 8673622.3/51

All: 9872.673+/-0.889 χ^2/NDF : 18883605.5/100

- sign 10071.148+/-1.276 χ^2/NDF : 10162951.3/55

diff_bpm4ecY_mean vs Slug



Right In: 1.391 ± 1.477 χ^2/NDF : 28.9/26

Left Out: 3.185 ± 1.435 χ^2/NDF : 18.7/24

Right Out: 4.123 ± 1.392 χ^2/NDF : 38.3/32

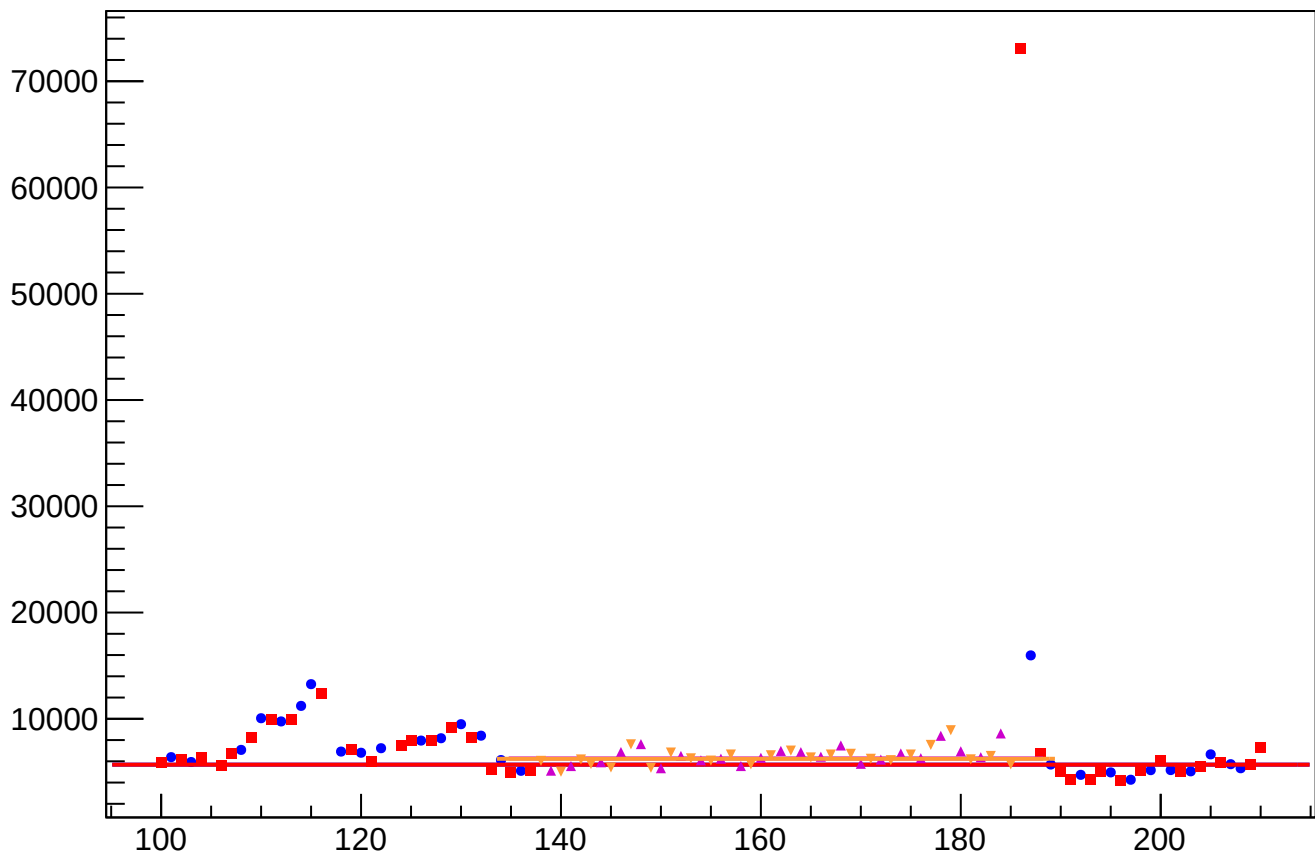
Left In: 0.633 ± 1.482 χ^2/NDF : 31.8/22

+ sign 2.314 ± 1.029 χ^2/NDF : 48.4/51

All: 2.402 ± 0.722 χ^2/NDF : 121.5/107

- sign 2.488 ± 1.014 χ^2/NDF : 73.1/55

diff_bpm4ecY_rms vs Slug



Right In: 5685.482 $\pm$ 1.044 χ^2 /NDF: 1600673.7/26

Left Out: 6237.931 $\pm$ 1.015 χ^2 /NDF: 507726.8/24

Right Out: 5682.683 $\pm$ 0.984 χ^2 /NDF: 2361570.9/32

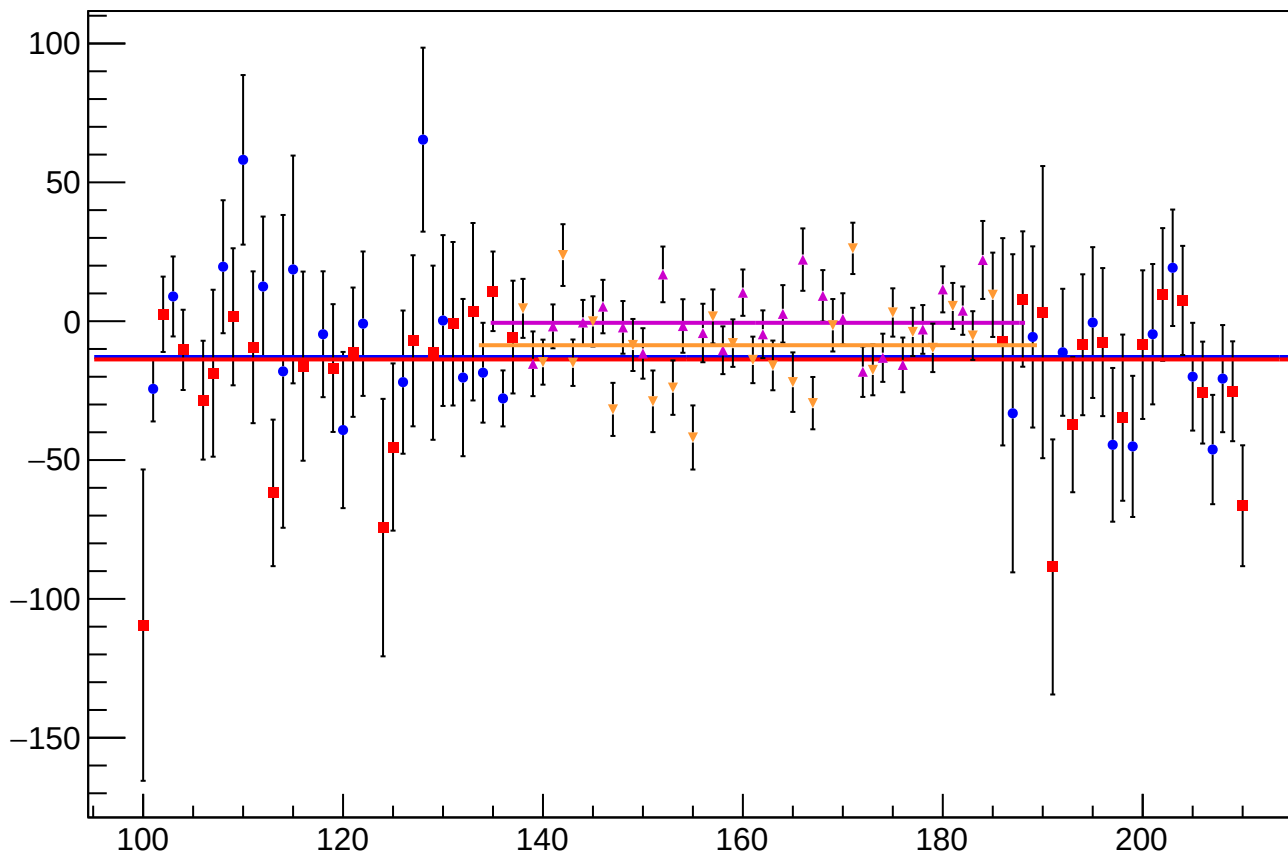
Left In: 6268.263 $\pm$ 1.048 χ^2 /NDF: 524326.6/22

+ sign 5969.674 $\pm$ 0.728 χ^2 /NDF: 2252378.3/51

All: 5963.302 $\pm$ 0.511 χ^2 /NDF: 5304403.1/10

- sign 5957.111 $\pm$ 0.717 χ^2 /NDF: 3051873.6/55

diff_bpm1X_mean vs Slug



Right In: -12.890 ± 4.122 $\chi^2/\text{NDF}: 30.5/26$

Left Out: -8.650 ± 1.875 $\chi^2/\text{NDF}: 63.0/24$

Right Out: -13.770 ± 4.123 $\chi^2/\text{NDF}: 29.1/32$

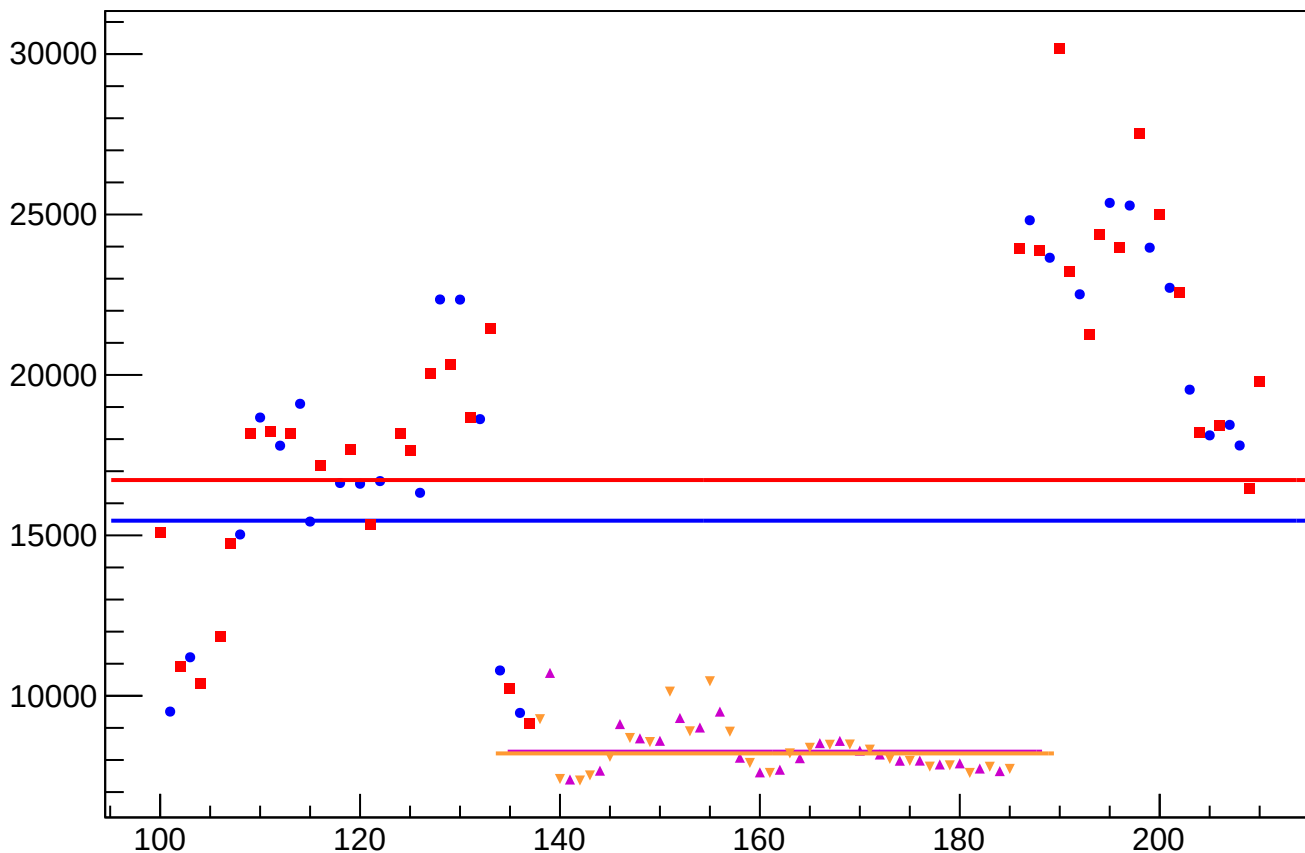
Left In: -0.583 ± 1.939 $\chi^2/\text{NDF}: 28.5/22$

+ sign -9.377 ± 1.707 $\chi^2/\text{NDF}: 94.4/51$

All: -6.262 ± 1.223 $\chi^2/\text{NDF}: 167.2/107$

- sign -2.971 ± 1.755 $\chi^2/\text{NDF}: 65.9/55$

diff_bpm1X_rms vs Slug



Right In: 15457.796 $\pm$ 2.915 χ^2 /NDF: 3271210.6/26

Left Out: 8204.502 $\pm$ 1.326 χ^2 /NDF:272958.7/24

Right Out: 16724.316 $\pm$ 2.915 χ^2 /NDF: 3150750.0/32

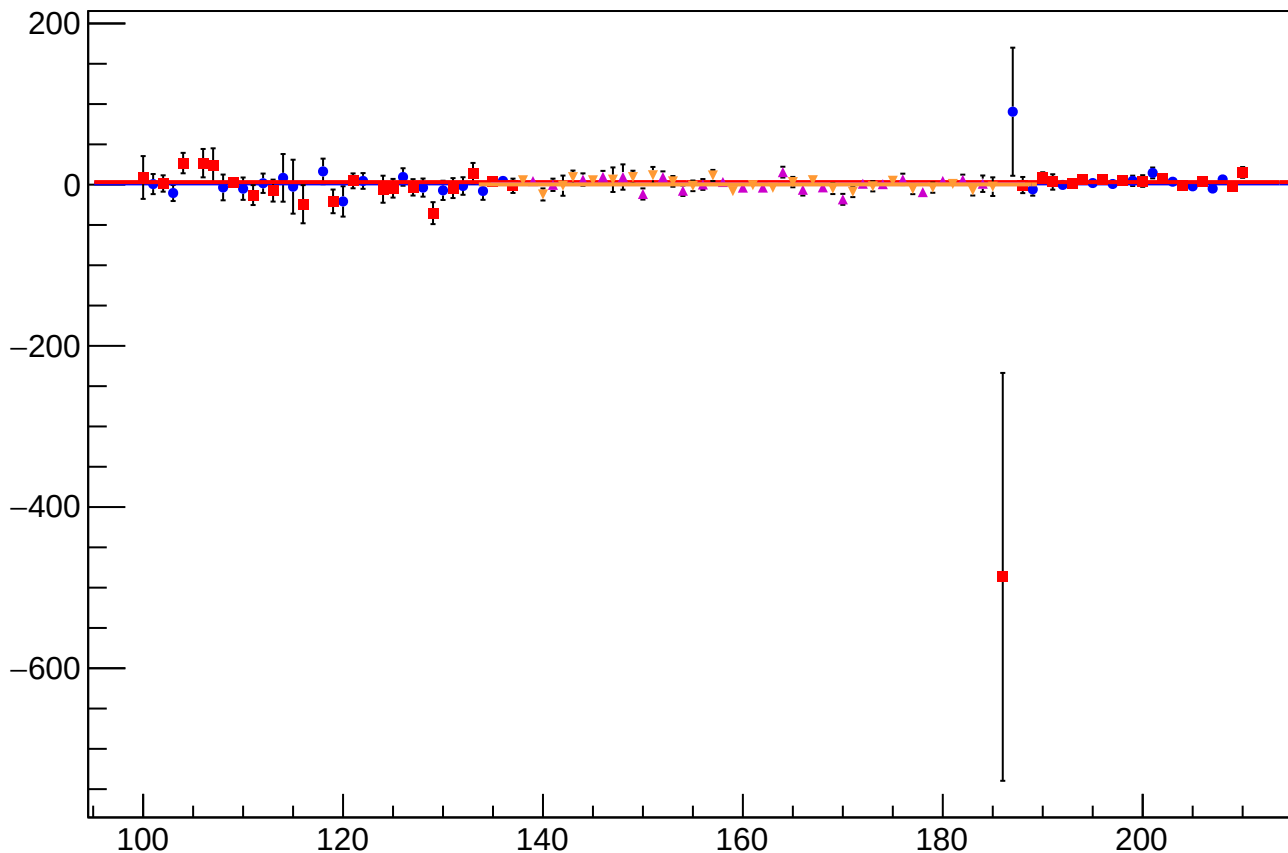
Left In: 8259.162 $\pm$ 1.371 χ^2 /NDF:257333.8/22

+ sign 9448.118 $\pm$ 1.207 χ^2 /NDF: 8675301.7/51

All: 9615.396 $\pm$ 0.865 χ^2 /NDF: 19027386.0/100

- sign 9792.160 $\pm$ 1.241 χ^2 /NDF: 10312572.7/55

diff_bpm1Y_mean vs Slug



Right In: 1.572 $\pm$ 1.481 χ^2 /NDF: 16.2/26

Left Out: 0.353 $\pm$ 1.322 χ^2 /NDF:21.5/24

Right Out: 3.186 $\pm$ 1.364 χ^2 /NDF: 34.0/32

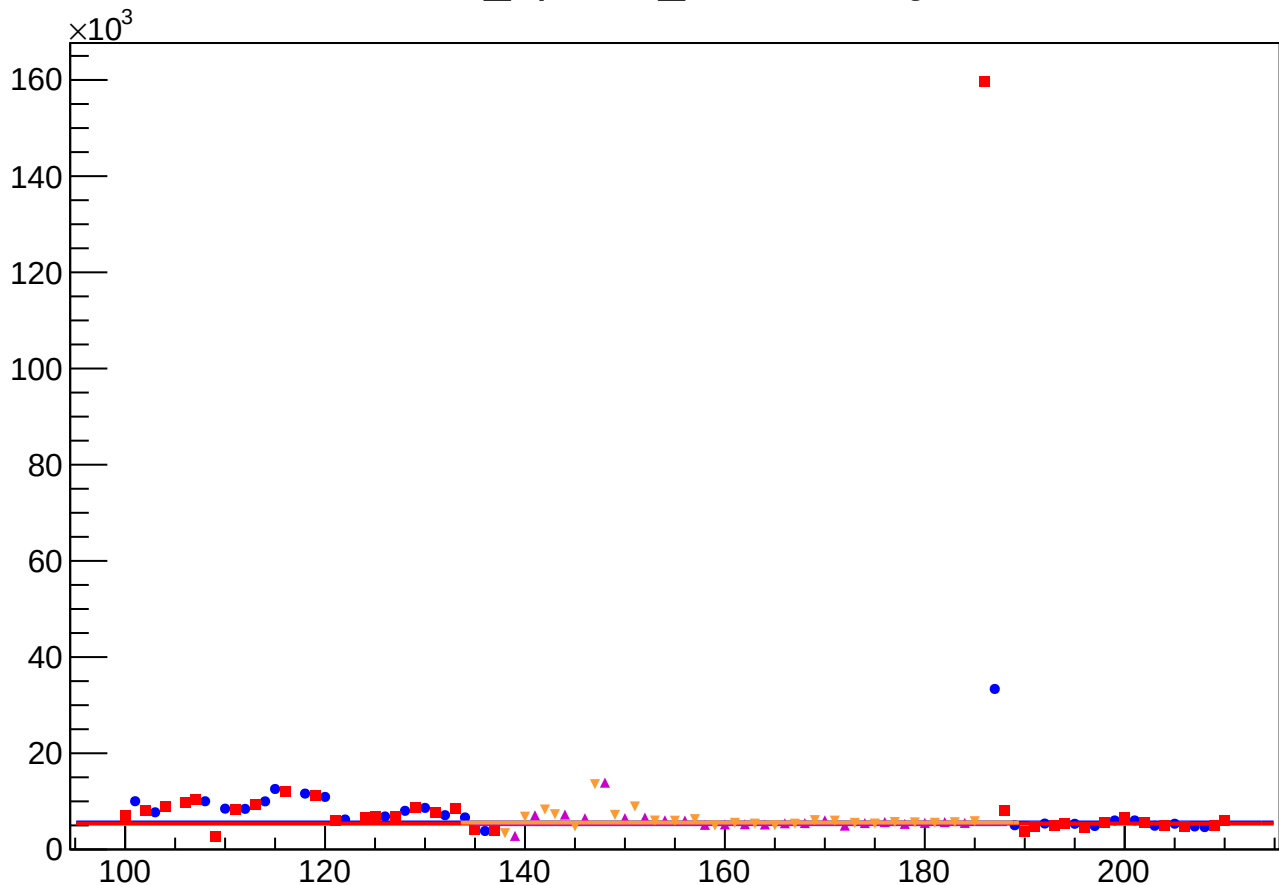
Left In: 0.709 $\pm$ 1.291 χ^2 /NDF:29.9/22

+ sign 0.893 $\pm$ 0.986 χ^2 /NDF: 38.1/51

All: 1.411 $\pm$ 0.680 χ^2 /NDF: 104.3/107

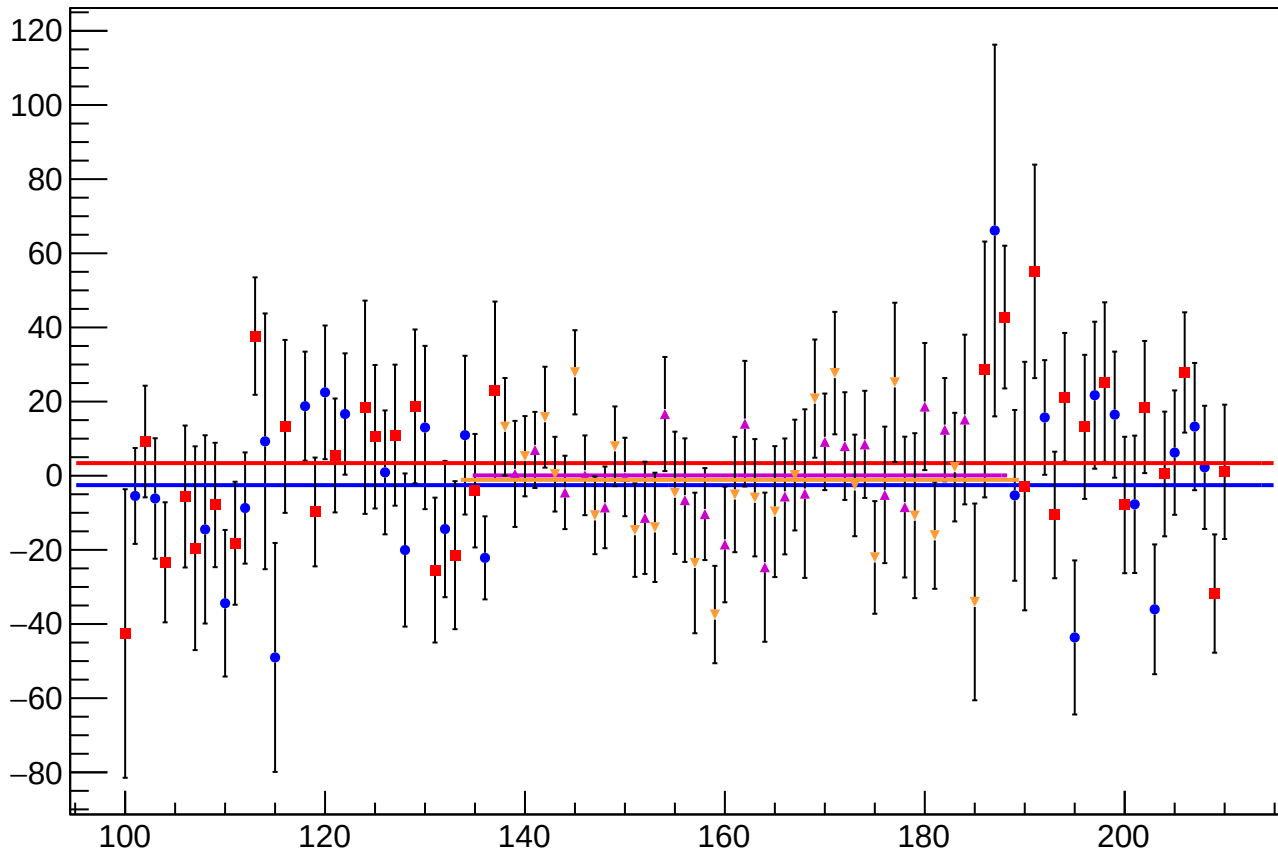
- sign 1.880 $\pm$ 0.938 χ^2 /NDF: 65.7/55

diff_bpm1Y_rms vs Slug



Right In: 5604.647 ± 1.047 $\chi^2/\text{NDF}: 2434973.2/26$ $+ \text{sign } 5598.999 \pm 0.697$ $\chi^2/\text{NDF}: 4219284.6/51$
 Left Out: 5594.503 ± 0.935 $\chi^2/\text{NDF}: 1784259.1/24$ All: 5452.792 ± 0.481 $\chi^2/\text{NDF}: 10552505.0/1$
 Right Out: 5385.132 ± 0.965 $\chi^2/\text{NDF}: 3815411.8/32$ $- \text{sign } 5320.575 \pm 0.663$ $\chi^2/\text{NDF}: 6249504.6/55$
 Left In: 5262.754 ± 0.913 $\chi^2/\text{NDF}: 2425604.2/22$

diff_bpm11X_mean vs Slug



Right In: -2.541 ± 3.445 χ^2/NDF : 30.9/26

Left Out: -1.111 ± 2.813 χ^2/NDF : 33.8/24

Right Out: 3.404 ± 3.287 χ^2/NDF : 38.0/32

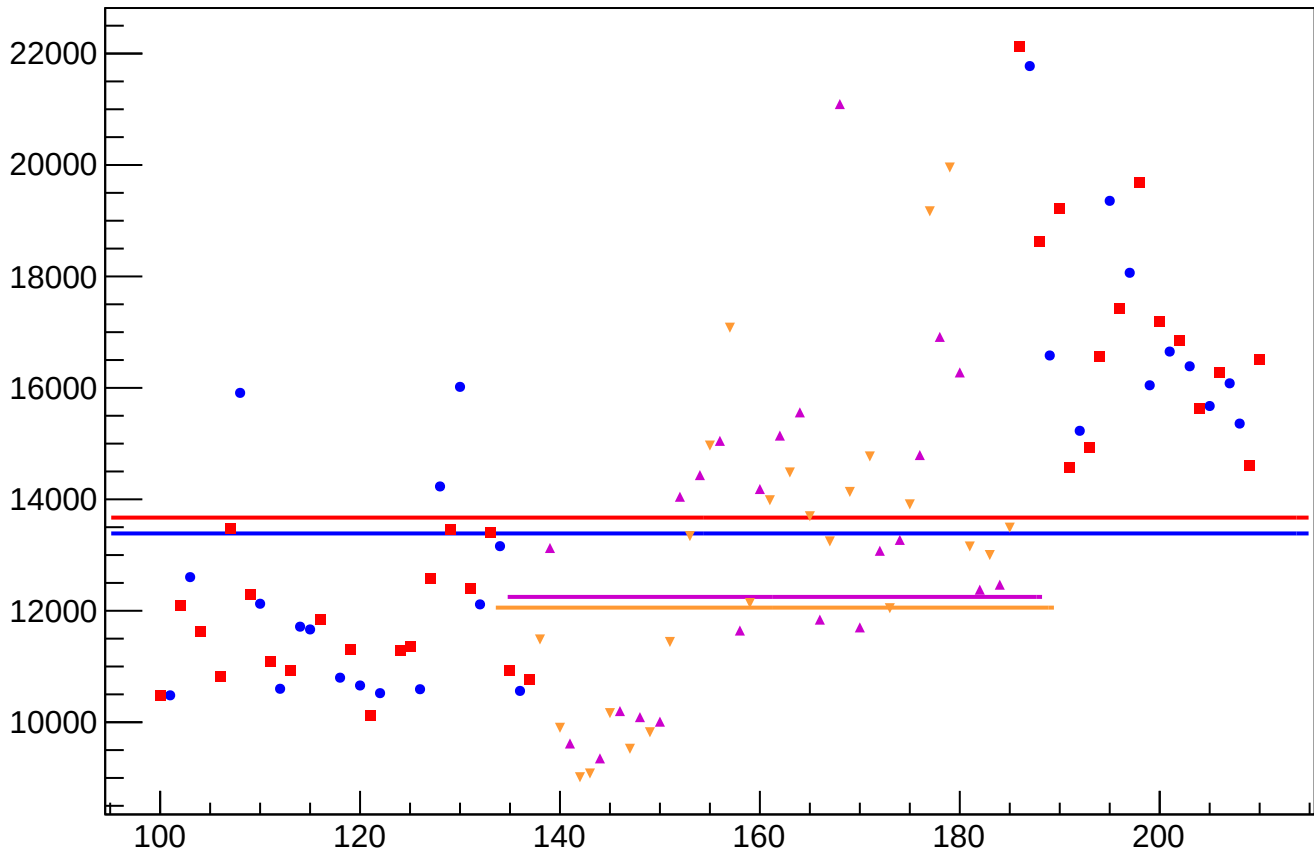
Left In: 0.084 ± 2.926 χ^2/NDF : 11.5/22

+ sign -1.683 ± 2.179 χ^2/NDF : 64.8/51

All: -0.070 ± 1.543 χ^2/NDF : 115.9/107

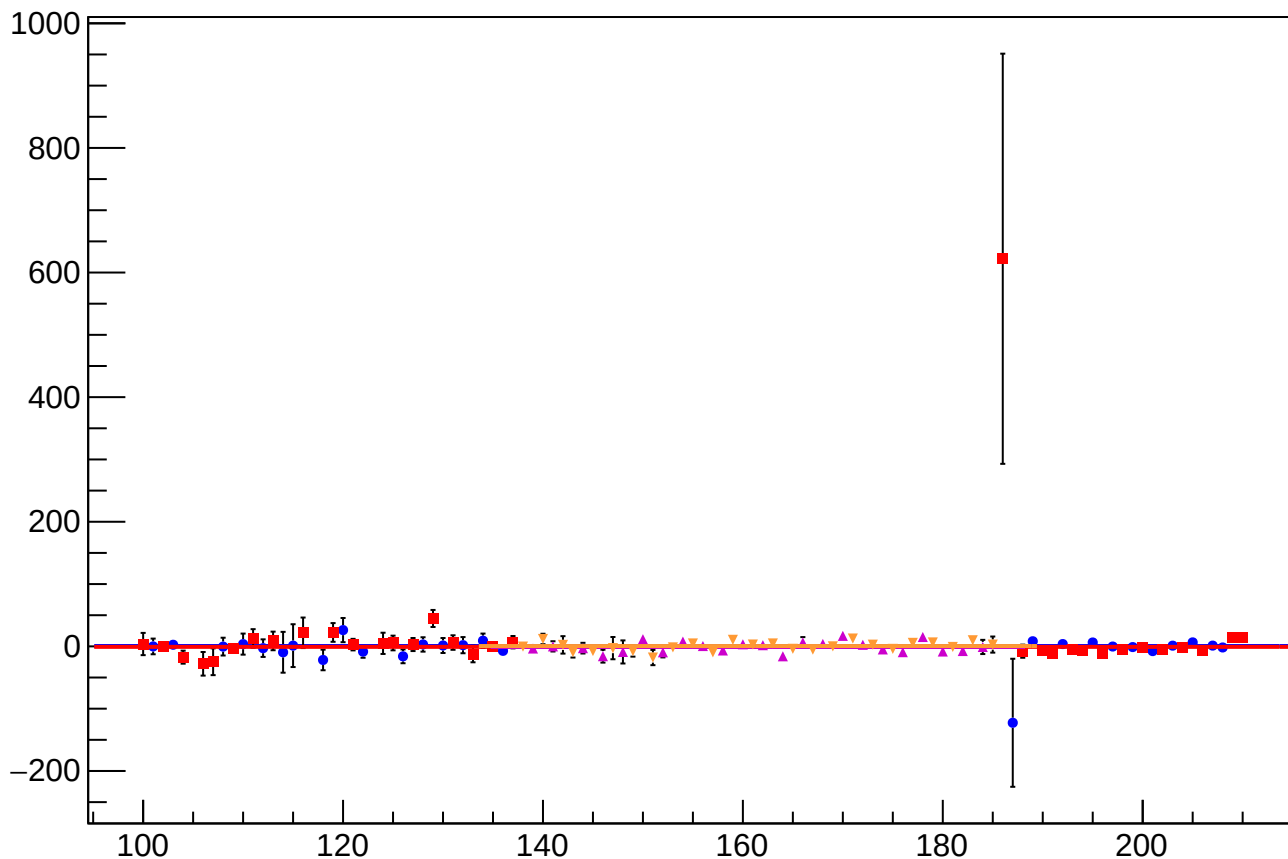
- sign 1.552 ± 2.186 χ^2/NDF : 50.1/55

diff_bpm11X_rms vs Slug



Right In: 13387.827+/-2.436	$\chi^2/\text{NDF}: 1290955.0/26$	+ sign 12589.229+/-1.541	$\chi^2/\text{NDF}: 3031842.9/51$
Left Out: 12056.714+/-1.989	$\chi^2/\text{NDF}: 1561738.9/24$	All: 12733.311+/-1.091	$\chi^2/\text{NDF}: 6110546.5/1$
Right Out: 13672.216+/-2.324	$\chi^2/\text{NDF}: 1436003.8/32$	- sign 12878.295+/-1.546	$\chi^2/\text{NDF}: 3061158.2/55$
Left In: 12249.109+/-2.069	$\chi^2/\text{NDF}: 1416030.4/22$		

diff_bpm11Y_mean vs Slug



Right In: 0.547 ± 1.278 χ^2/NDF : 20.1/26

Left Out: 0.526 ± 1.369 χ^2/NDF : 21.4/24

Right Out: -0.772 ± 1.167 χ^2/NDF : 71.0/32

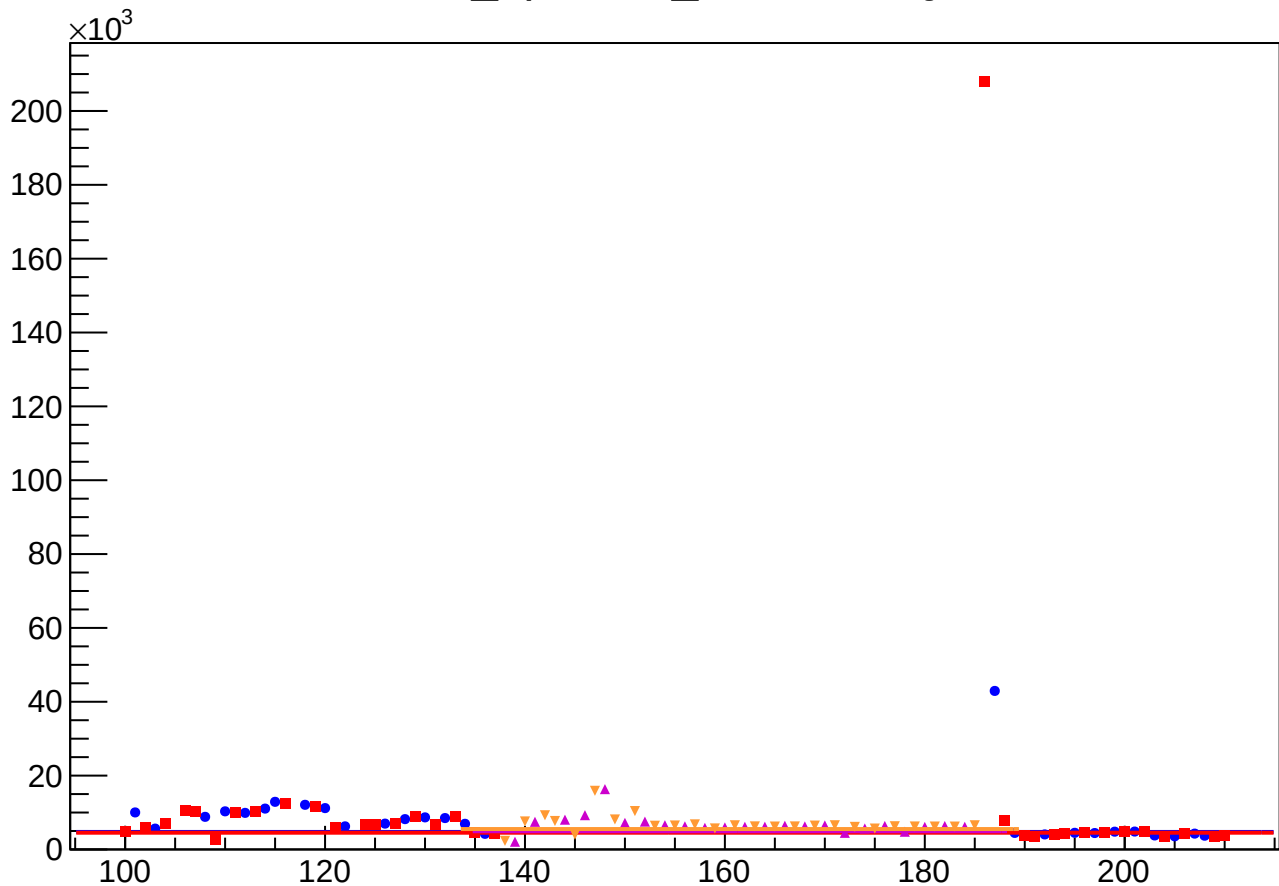
Left In: -0.946 ± 1.294 χ^2/NDF : 32.2/22

+ sign 0.537 ± 0.934 χ^2/NDF : 41.5/51

All: -0.208 ± 0.635 χ^2/NDF : 145.9/107

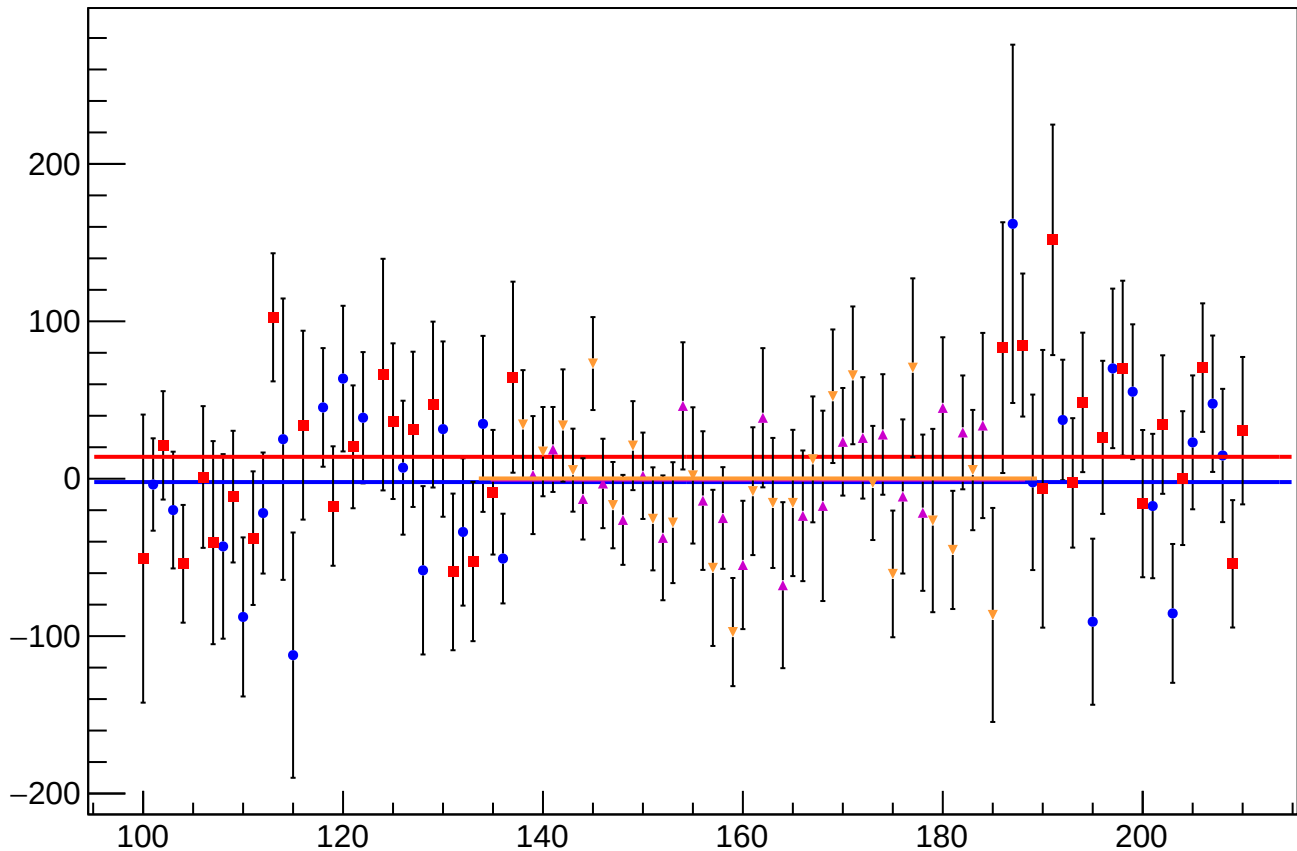
- sign -0.850 ± 0.867 χ^2/NDF : 103.2/55

diff_bpm11Y_rms vs Slug



Right In: 4738.757 ± 0.903 $\chi^2/\text{NDF}: 3423468.2/26$ + sign 5106.261 ± 0.660 $\chi^2/\text{NDF}: 8154499.6/51$
 Left Out: 5527.971 ± 0.968 $\chi^2/\text{NDF}: 4375722.1/24$ All: 4897.879 ± 0.449 $\chi^2/\text{NDF}: 18610920.8/1$
 Right Out: 4536.659 ± 0.825 $\chi^2/\text{NDF}: 4226844.4/32$ - sign 4718.429 ± 0.613 $\chi^2/\text{NDF}: 10271138.7/55$
 Left In: 4941.993 ± 0.915 $\chi^2/\text{NDF}: 5936108.3/22$

diff_bpm12X_mean vs Slug



Right In: -2.128 ± 8.599 χ^2/NDF : 31.1/26

Left Out: 0.168 ± 7.375 χ^2/NDF : 31.1/24

Right Out: 13.914 ± 8.210 χ^2/NDF : 32.4/32

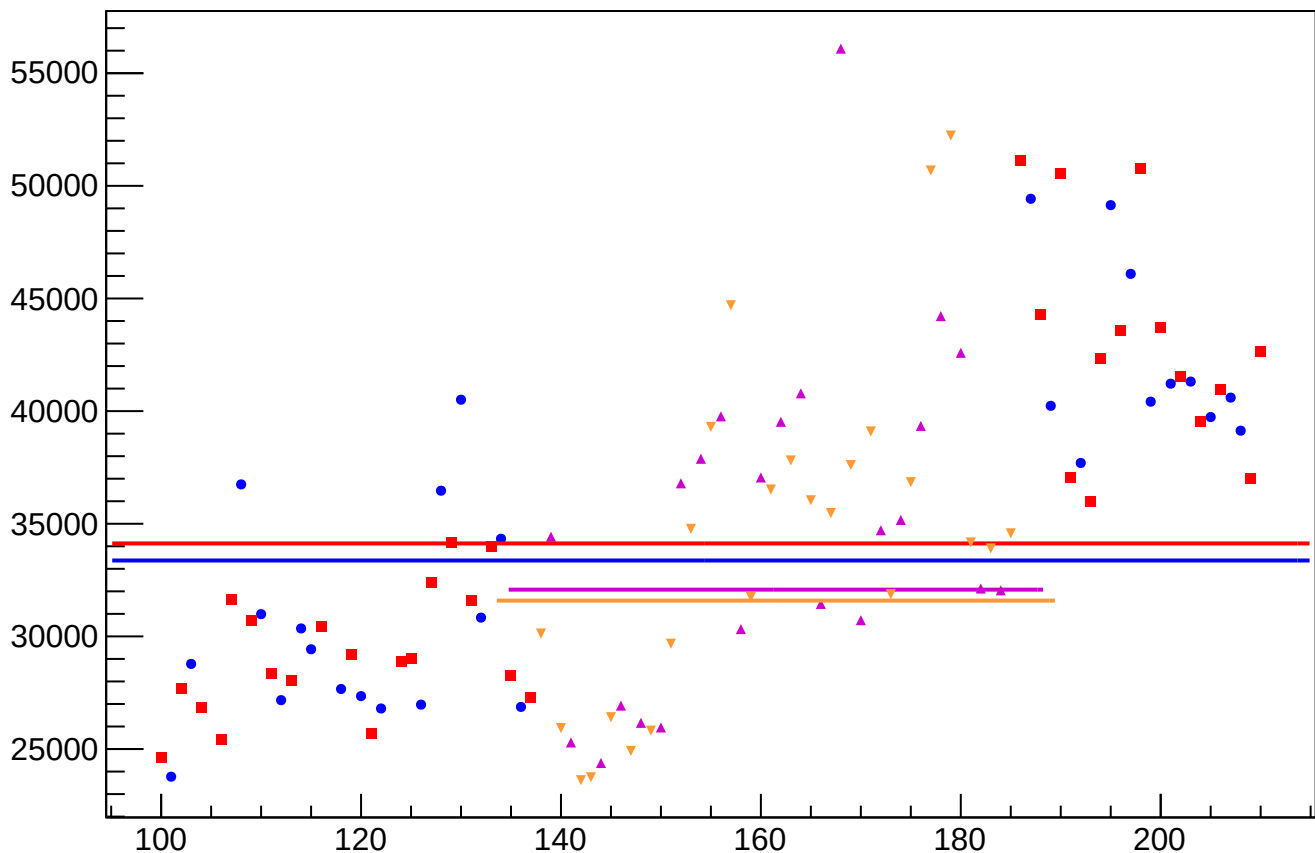
Left In: -0.586 ± 7.667 χ^2/NDF : 12.8/22

+ sign -0.805 ± 5.598 χ^2/NDF : 62.3/51

All: 2.679 ± 3.960 χ^2/NDF : 110.0/107

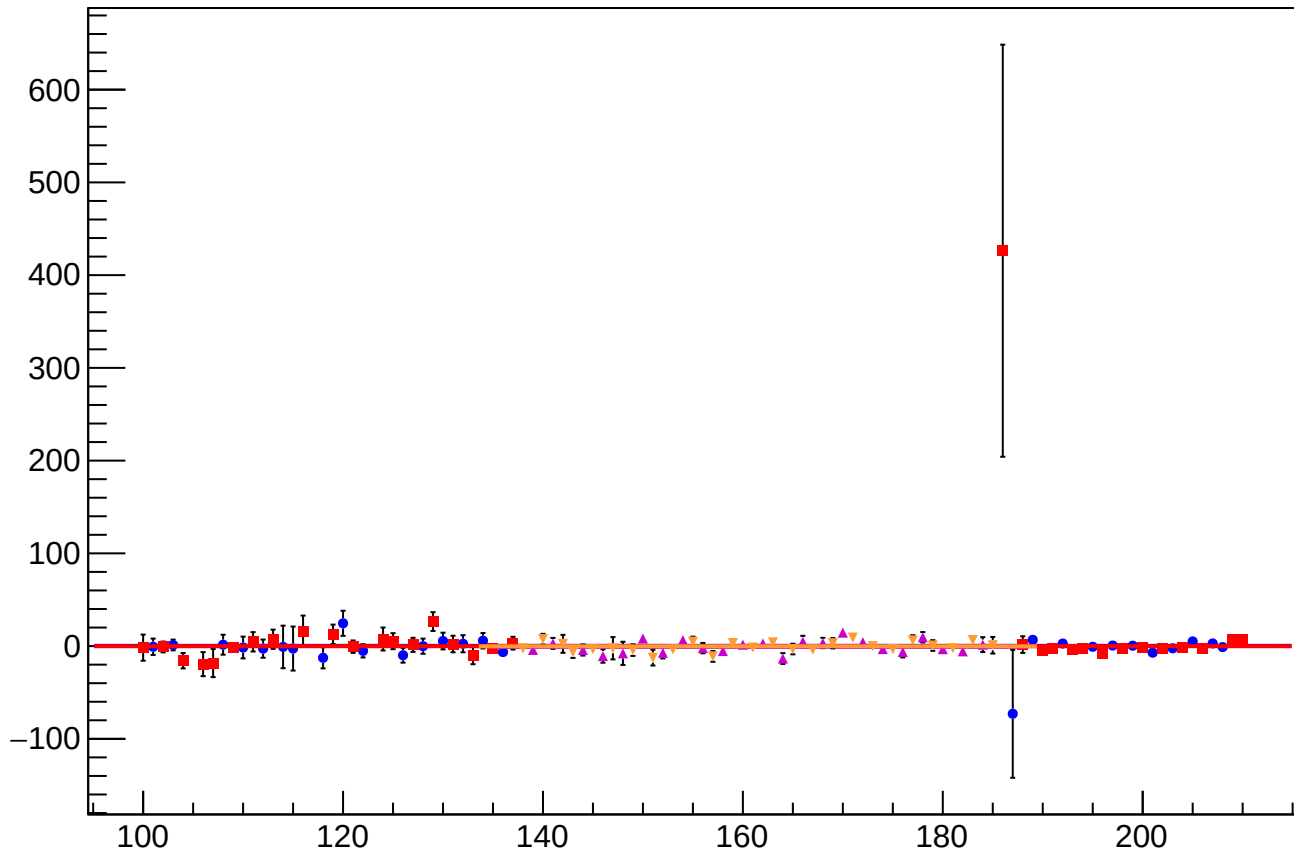
- sign 6.169 ± 5.603 χ^2/NDF : 46.9/55

diff_bpm12X_rms vs Slug



Right In: 33369.688+/-6.080	χ^2/NDF : 1355393.8/26	+ sign 32344.150+/-3.958	χ^2/NDF : 2995631.5/51
Left Out: 31589.841+/-5.215	χ^2/NDF : 1590867.7/24	All: 32687.156+/-2.800	χ^2/NDF : 6011491.7/101
Right Out: 34126.630+/-5.805	χ^2/NDF : 1478401.3/32	- sign 33030.817+/-3.962	χ^2/NDF : 3000828.5/55
Left In: 32075.078+/-5.421	χ^2/NDF : 1455714.6/22		

diff_bpm12Y_mean vs Slug



Right In: 0.281 ± 0.776 χ^2/NDF : 28.5/26

Left Out: -0.226 ± 1.094 χ^2/NDF : 19.9/24

Right Out: -0.131 ± 0.736 χ^2/NDF : 56.7/32

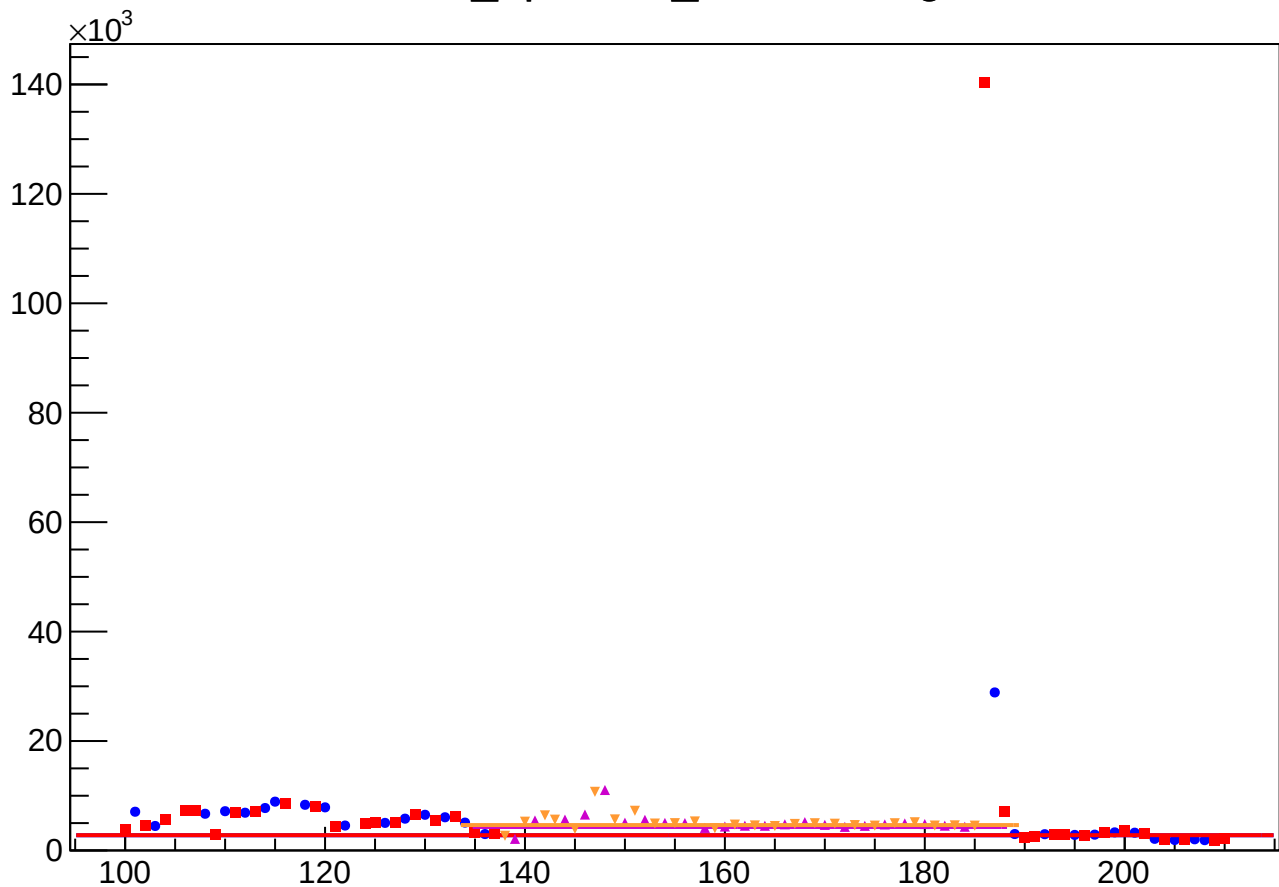
Left In: -0.788 ± 1.061 χ^2/NDF : 33.8/22

+ sign 0.112 ± 0.633 χ^2/NDF : 48.5/51

All: -0.127 ± 0.437 χ^2/NDF : 139.5/107

- sign -0.345 ± 0.605 χ^2/NDF : 90.7/55

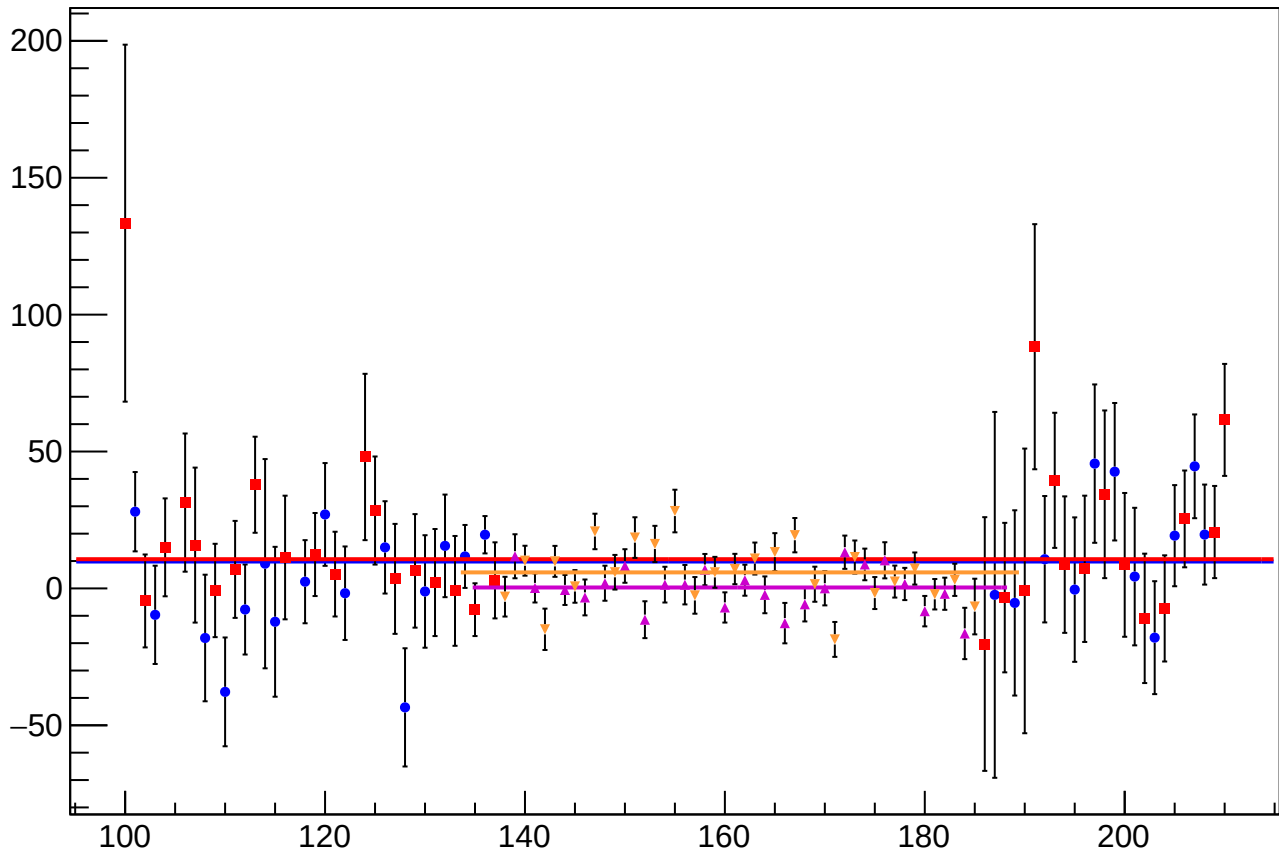
diff_bpm12Y_rms vs Slug



Right In: 2775.046 ± 0.549 χ^2/NDF : 5366299.0/26
 Left Out: 4637.399 ± 0.774 χ^2/NDF : 1763103.2/24
 Right Out: 2791.485 ± 0.521 χ^2/NDF : 6120230.8/32
 Left In: 4295.074 ± 0.750 χ^2/NDF : 3095610.0/22

+ sign 3398.296 ± 0.447 χ^2/NDF : 10986163.4/51
 All: 3336.813 ± 0.309 χ^2/NDF : 22949967.3/100
 - sign 3280.629 ± 0.428 χ^2/NDF : 11927673.8/55

diff_bpm16X_mean vs Slug



Right In: 9.822 ± 3.364 χ^2/NDF : 31.3/26

Left Out: 5.849 ± 1.257 χ^2/NDF : 60.0/24

Right Out: 10.672 ± 3.473 χ^2/NDF : 29.8/32

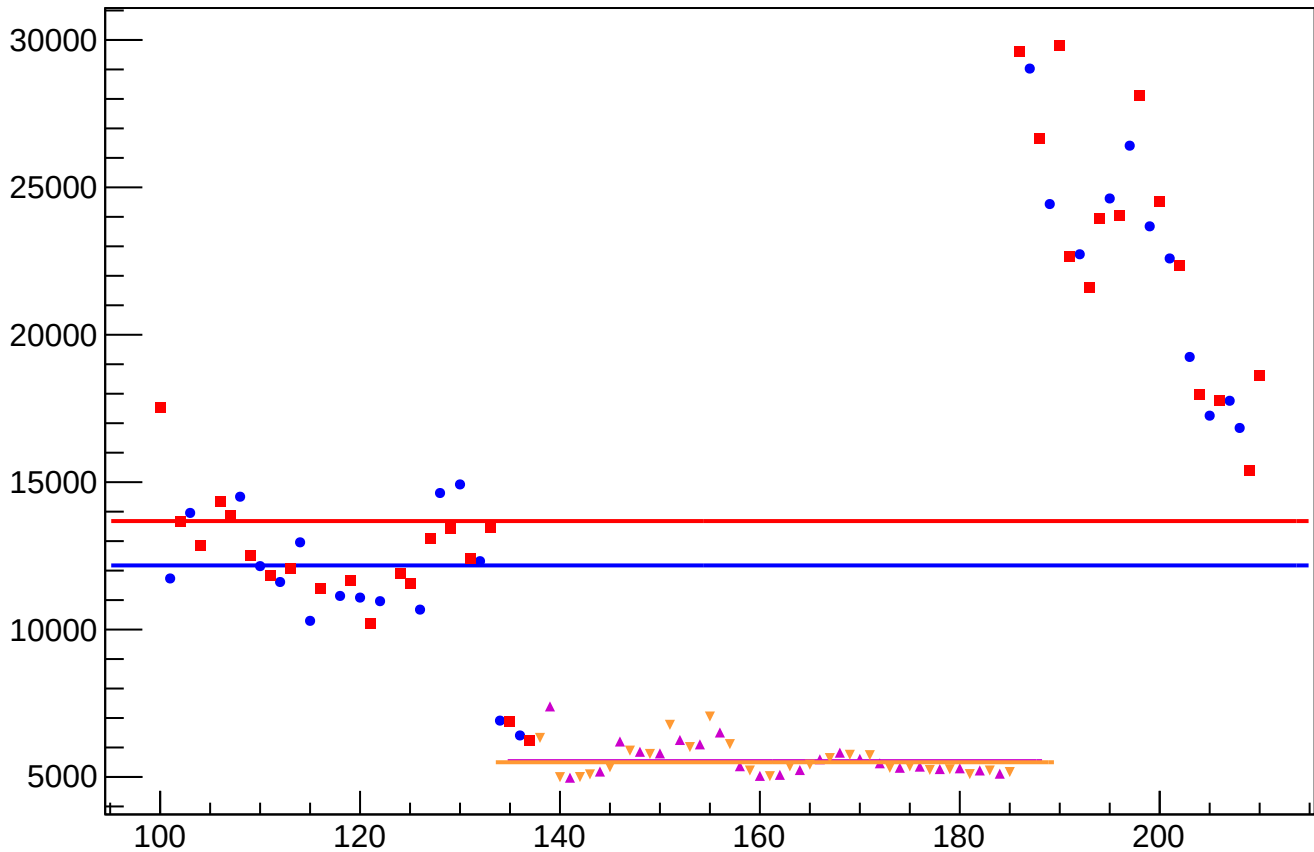
Left In: 0.337 ± 1.301 χ^2/NDF : 29.4/22

+ sign 6.336 ± 1.178 χ^2/NDF : 92.6/51

All: 4.052 ± 0.847 χ^2/NDF : 167.3/107

- sign 1.608 ± 1.218 χ^2/NDF : 66.9/55

diff_bpm16X_rms vs Slug



Right In: 12175.753+/-2.379 χ^2/NDF : 5199278.5/26

Left Out: 5499.215+/-0.889 χ^2/NDF : 297719.4/24

Right Out: 13680.318+/-2.456 χ^2/NDF : 5028296.8/32

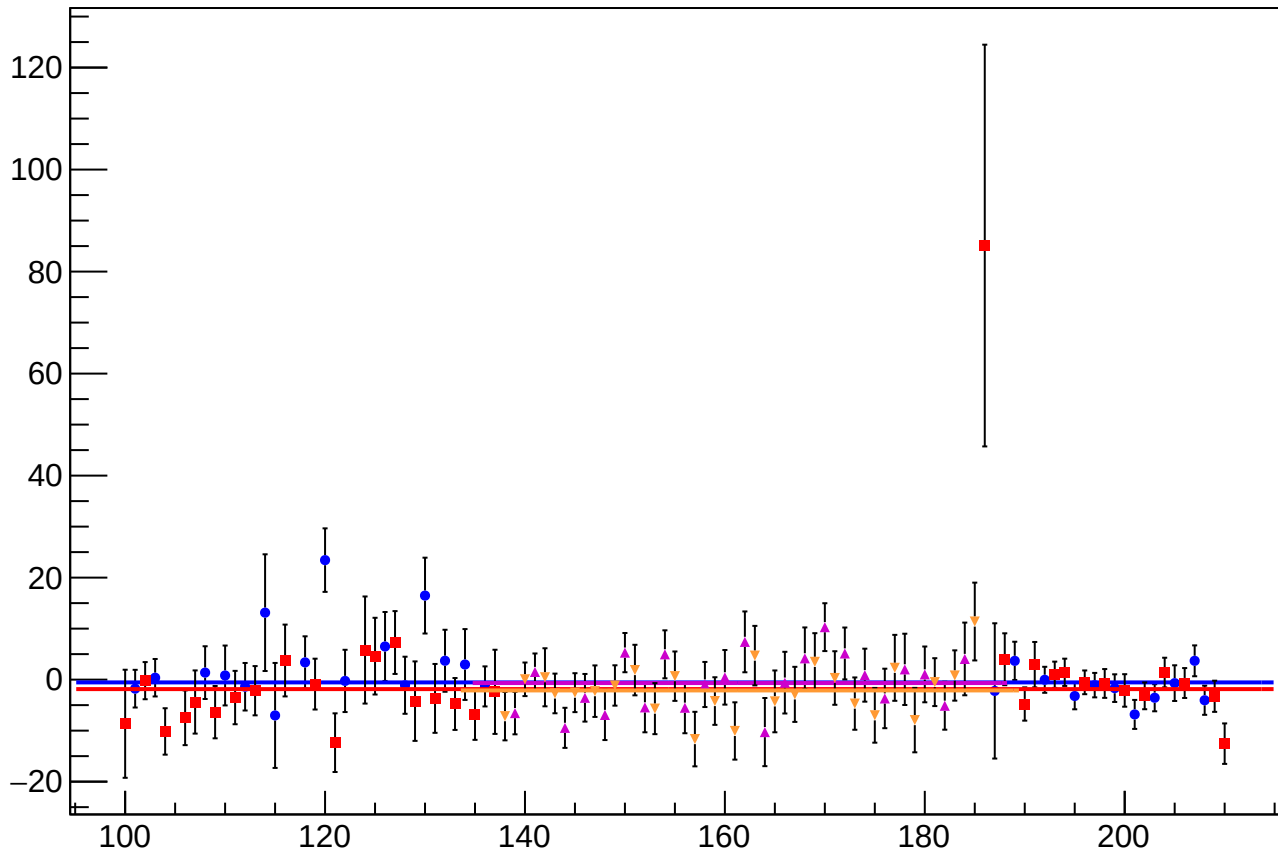
Left In: 5537.777+/-0.920 χ^2/NDF : 304062.1/22

+ sign 6317.737+/-0.833 χ^2/NDF : 12409924.9/51

All: 6424.968+/-0.599 χ^2/NDF : 27419336.1/100

- sign 6539.667+/-0.861 χ^2/NDF : 14975101.3/55

diff_bpm16Y_mean vs Slug



Right In: -0.544 ± 0.741 χ^2/NDF : 37.0/26

Left Out: -2.116 ± 0.987 χ^2/NDF : 17.5/24

Right Out: -1.857 ± 0.703 χ^2/NDF : 35.6/32

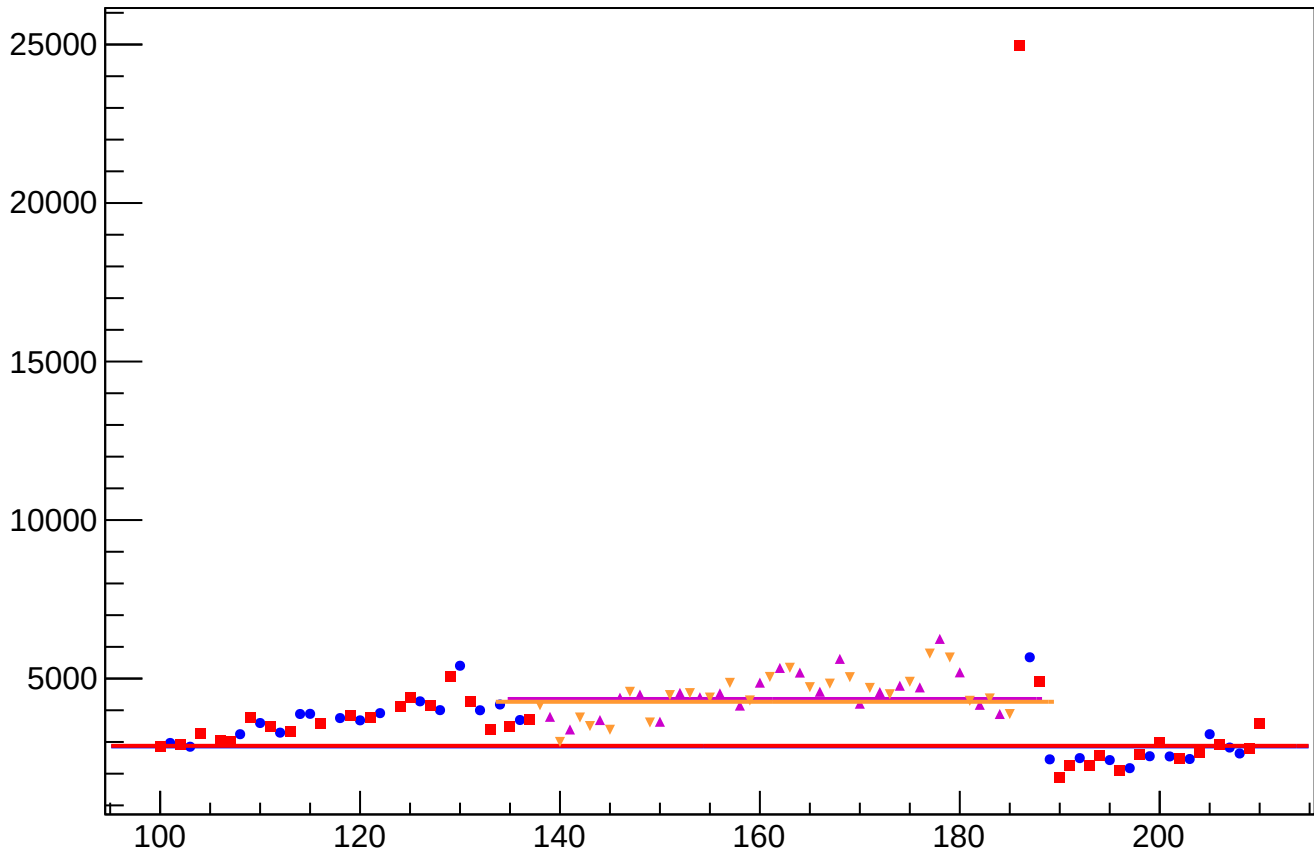
Left In: -0.670 ± 1.031 χ^2/NDF : 28.4/22

+ sign -1.111 ± 0.593 χ^2/NDF : 56.1/51

All: -1.299 ± 0.415 χ^2/NDF : 121.2/107

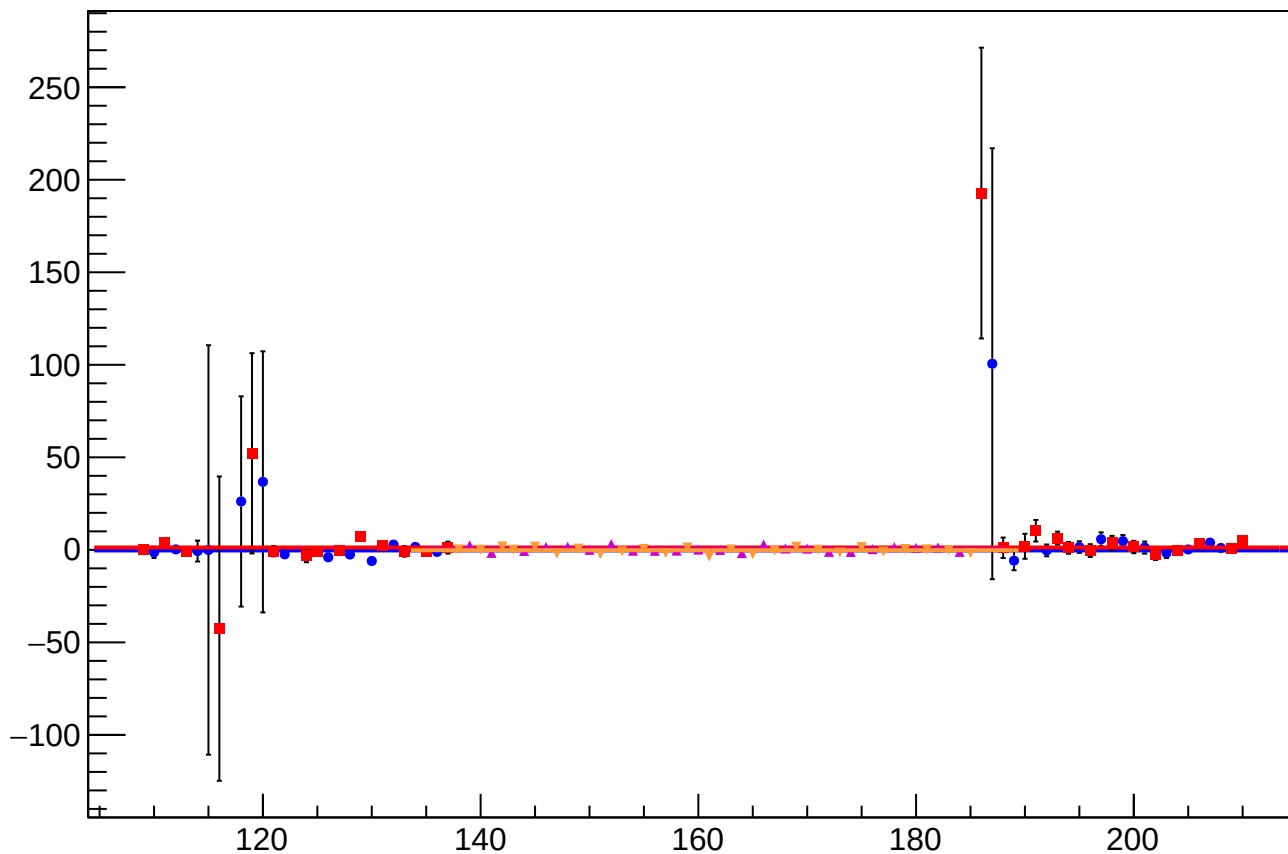
- sign -1.480 ± 0.581 χ^2/NDF : 64.9/55

diff_bpm16Y_rms vs Slug



Right In: 2859.989+/-0.524	χ^2/NDF : 1398483.6/26	+ sign 3367.441+/-0.419	χ^2/NDF : 5033195.5/51
Left Out: 4267.631+/-0.698	χ^2/NDF : 1034722.2/24	All: 3357.394+/-0.293	χ^2/NDF : 11062290.8/1
Right Out: 2878.373+/-0.497	χ^2/NDF : 2481718.3/32	- sign 3347.741+/-0.411	χ^2/NDF : 6027968.7/55
Left In: 4355.855+/-0.729	χ^2/NDF : 743046.1/22		

diff_bpm1p02bX_mean vs Slug



Right In: -0.315 ± 0.563 χ^2/NDF : 26.1/23

Left Out: -0.201 ± 0.236 χ^2/NDF : 33.9/24

Right Out: 1.281 ± 0.540 χ^2/NDF : 30.9/27

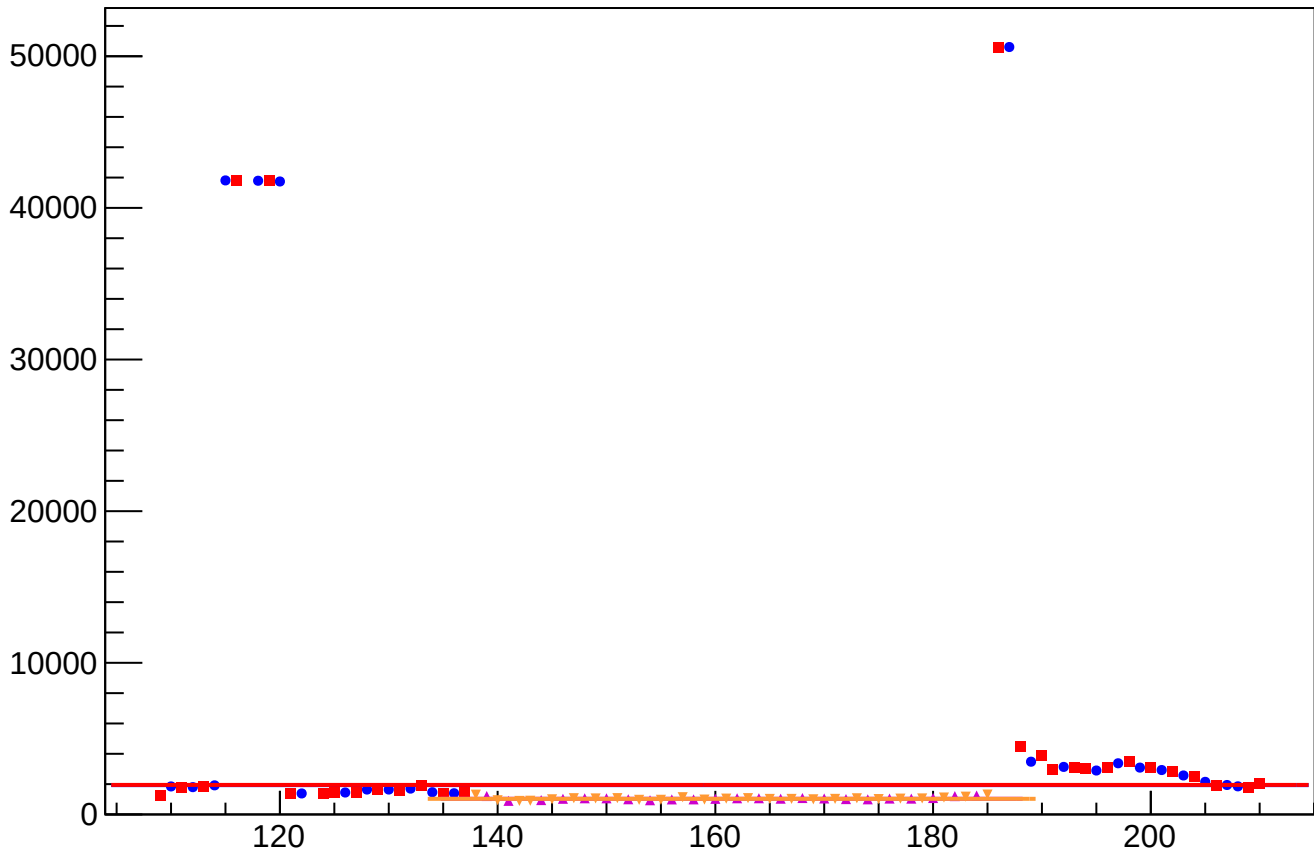
Left In: 0.333 ± 0.242 χ^2/NDF : 29.4/22

+ sign -0.218 ± 0.217 χ^2/NDF : 60.1/48

All: 0.131 ± 0.155 χ^2/NDF : 128.3/99

- sign 0.492 ± 0.221 χ^2/NDF : 62.9/50

diff_bpm1p02bX_rms vs Slug



Right In: 1934.251 $\pm$ 0.398 χ^2 /NDF: 4389987.2/23

Left Out: 1031.473 $\pm$ 0.167 χ^2 /NDF: 244095.3/24

Right Out: 1948.070 $\pm$ 0.382 χ^2 /NDF: 5365270.8/27

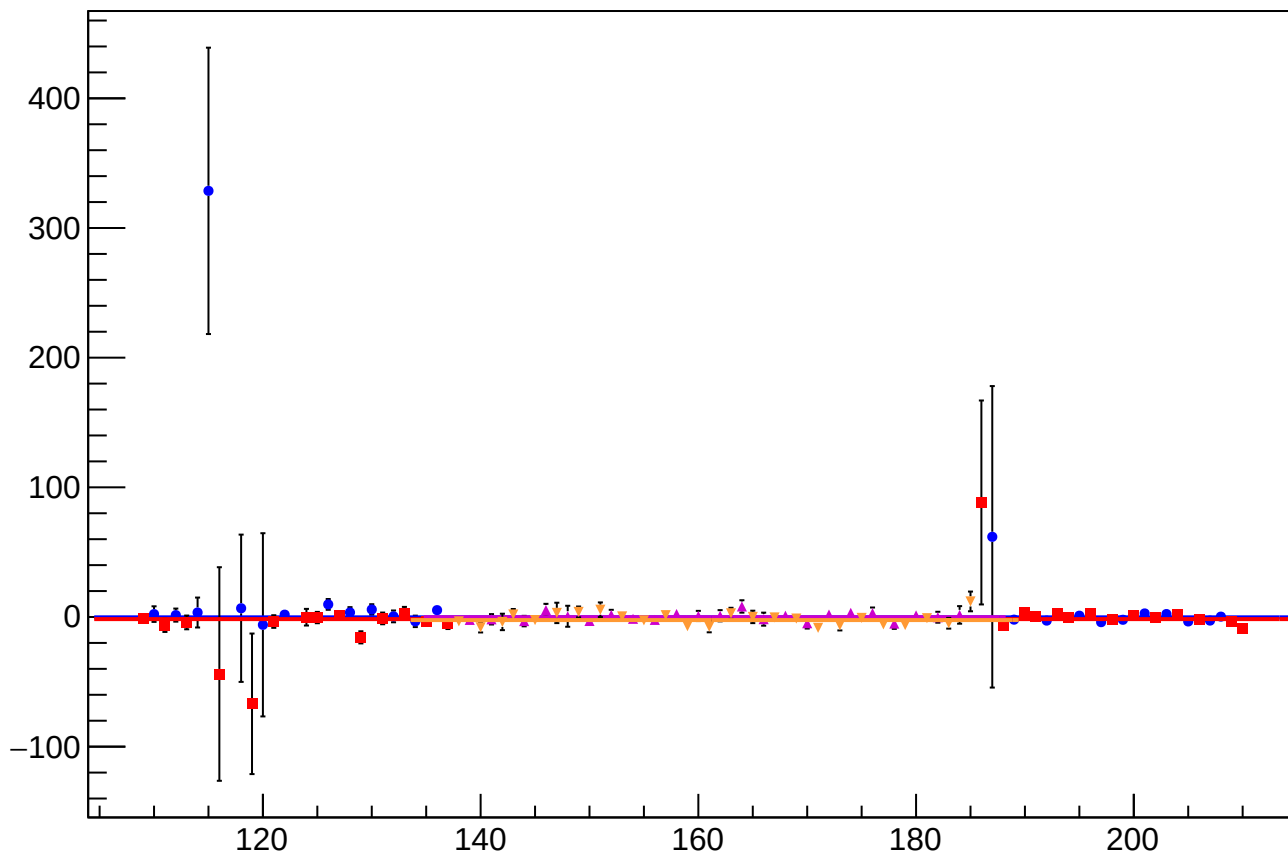
Left In: 1032.715 $\pm$ 0.171 χ^2 /NDF: 187148.3/22

+ sign 1166.042 $\pm$ 0.154 χ^2 /NDF: 9015054.6/48

All: 1175.762 $\pm$ 0.110 χ^2 /NDF: 19355355.0/50

- sign 1185.820 $\pm$ 0.156 χ^2 /NDF: 10332153.8/50

diff_bpm1p02bY_mean vs Slug



Right In: -0.266 ± 0.517 χ^2/NDF : 44.1/23

Left Out: -2.380 ± 0.782 χ^2/NDF : 24.3/24

Right Out: -1.632 ± 0.493 χ^2/NDF : 59.7/27

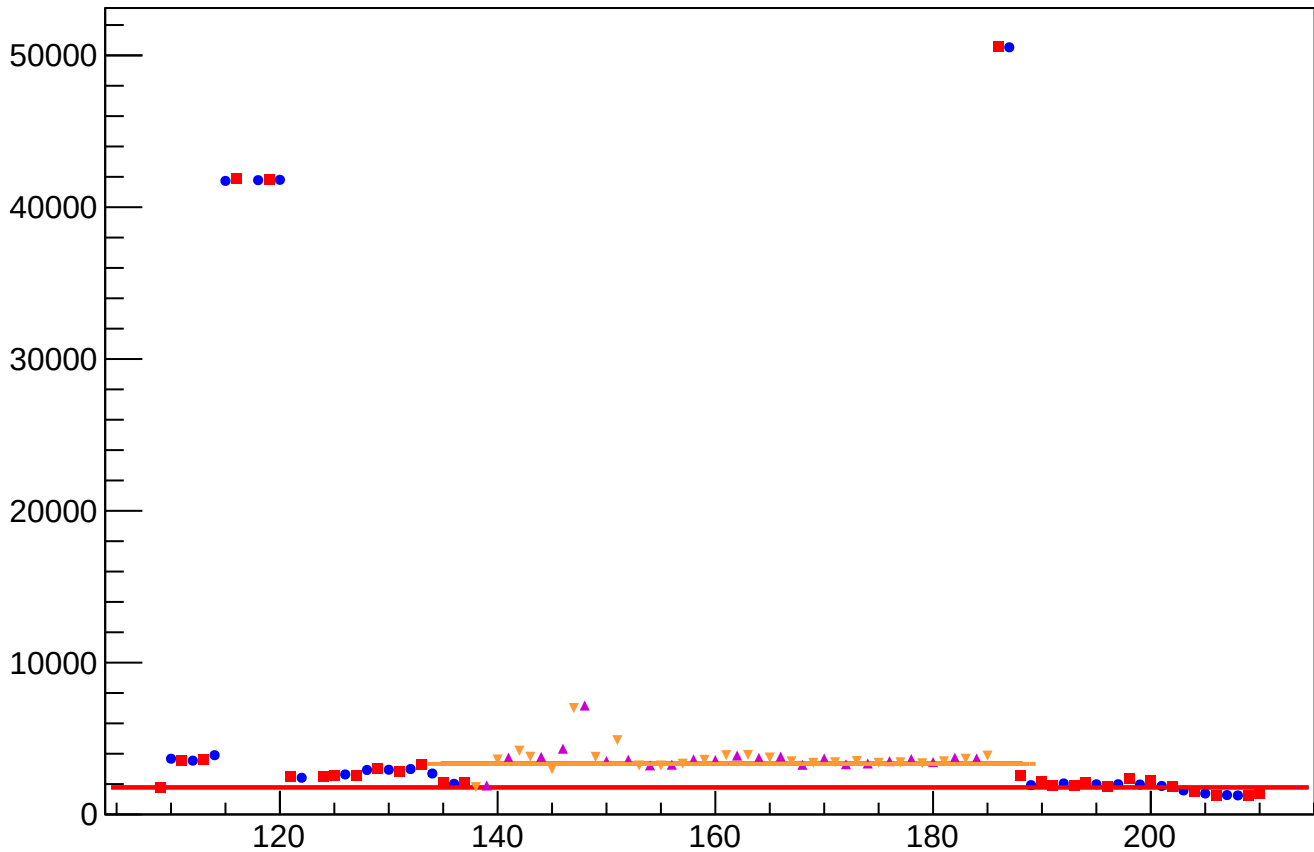
Left In: -0.171 ± 0.810 χ^2/NDF : 12.6/22

+ sign -0.909 ± 0.431 χ^2/NDF : 73.5/48

All: -1.077 ± 0.301 χ^2/NDF : 148.5/99

- sign -1.237 ± 0.421 χ^2/NDF : 74.7/50

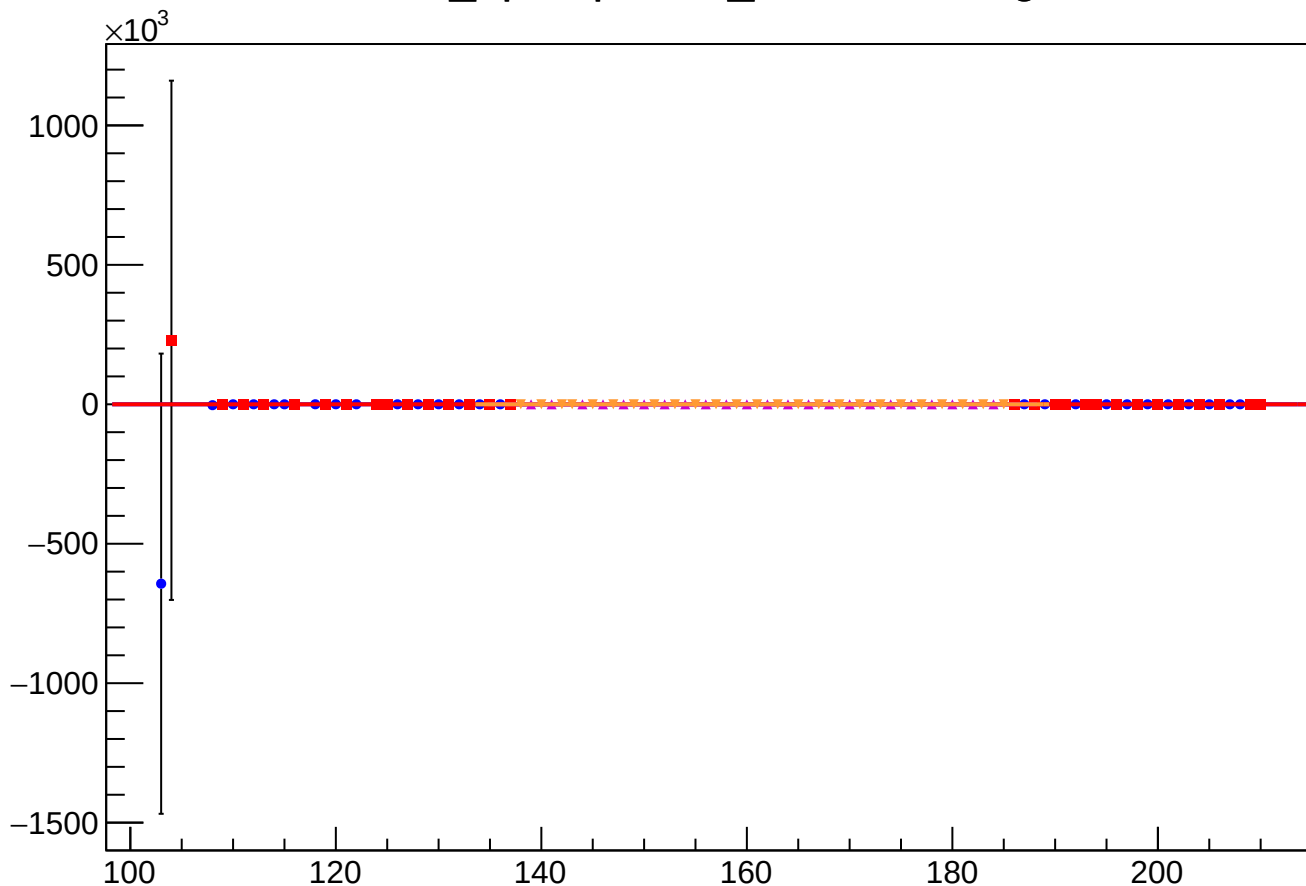
diff_bpm1p02bY_rms vs Slug



Right In: 1774.608 $\pm$ 0.366 χ^2 /NDF: 4312187.8/23
 Left Out: 3328.251 $\pm$ 0.553 χ^2 /NDF:1915576.2/24
 Right Out: 1789.839 $\pm$ 0.349 χ^2 /NDF: 4656825.1/27
 Left In: 3360.799 $\pm$ 0.572 χ^2 /NDF:1649390.5/22

+ sign 2247.170 $\pm$ 0.305 χ^2 /NDF: 11719666.1/48
 All: 2230.785 $\pm$ 0.213 χ^2 /NDF: 23523026.1/50
 - sign 2215.156 $\pm$ 0.298 χ^2 /NDF: 11797721.1/50

diff_bpm1p03aX_mean vs Slug



Right In: -1.417 ± 0.598 χ^2/NDF : 29.2/25

Left Out: -1.573 ± 0.363 χ^2/NDF : 50.3/24

Right Out: -2.117 ± 0.578 χ^2/NDF : 30.3/28

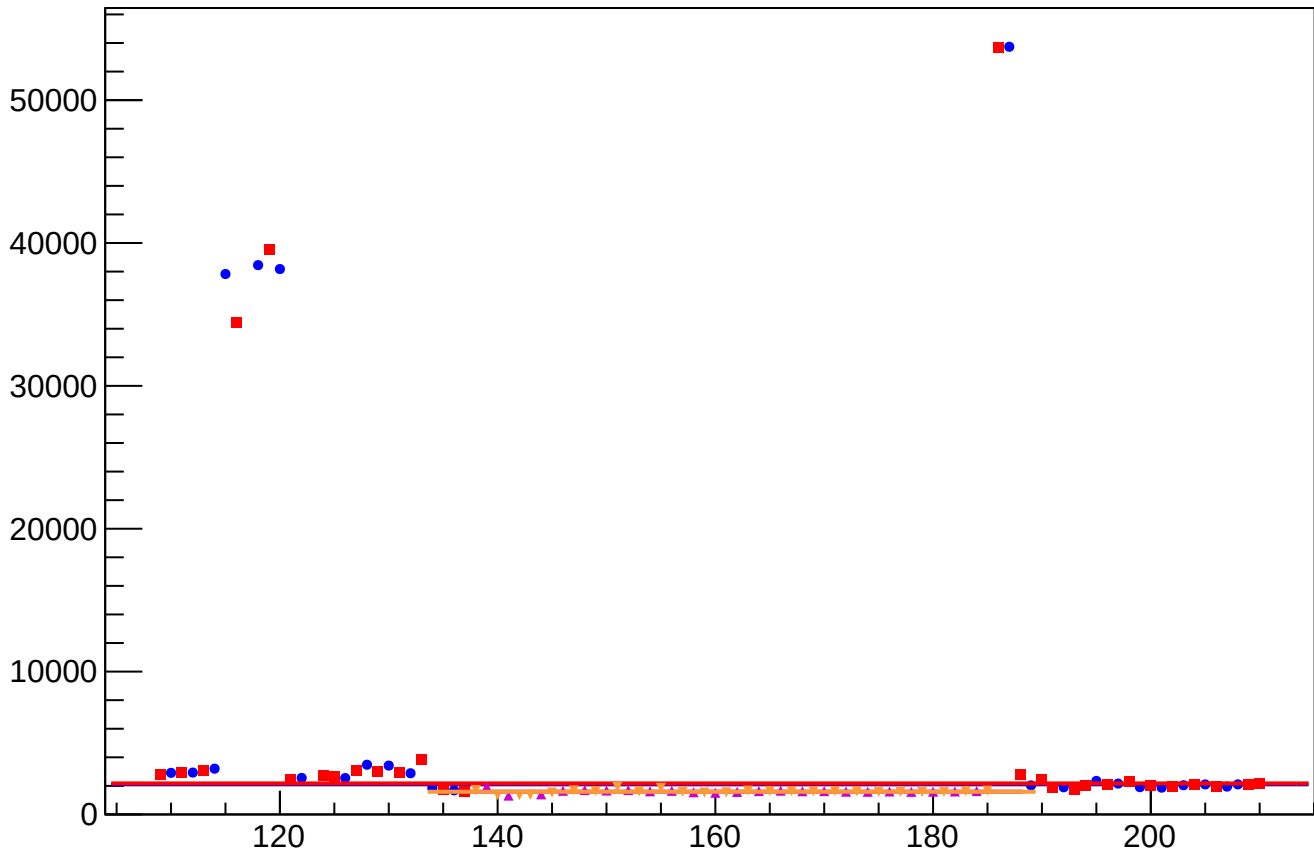
Left In: 0.018 ± 0.374 χ^2/NDF : 27.3/22

+ sign -1.531 ± 0.310 χ^2/NDF : 79.5/50

All: -1.078 ± 0.221 χ^2/NDF : 151.1/102

- sign -0.614 ± 0.314 χ^2/NDF : 67.3/51

diff_bpm1p03aX_rms vs Slug



Right In: 2108.706+/-0.423 χ^2/NDF : 2981161.5/23

Left Out: 1589.488+/-0.257 χ^2/NDF : 232518.0/24

Right Out: 2172.575+/-0.409 χ^2/NDF : 3248941.4/27

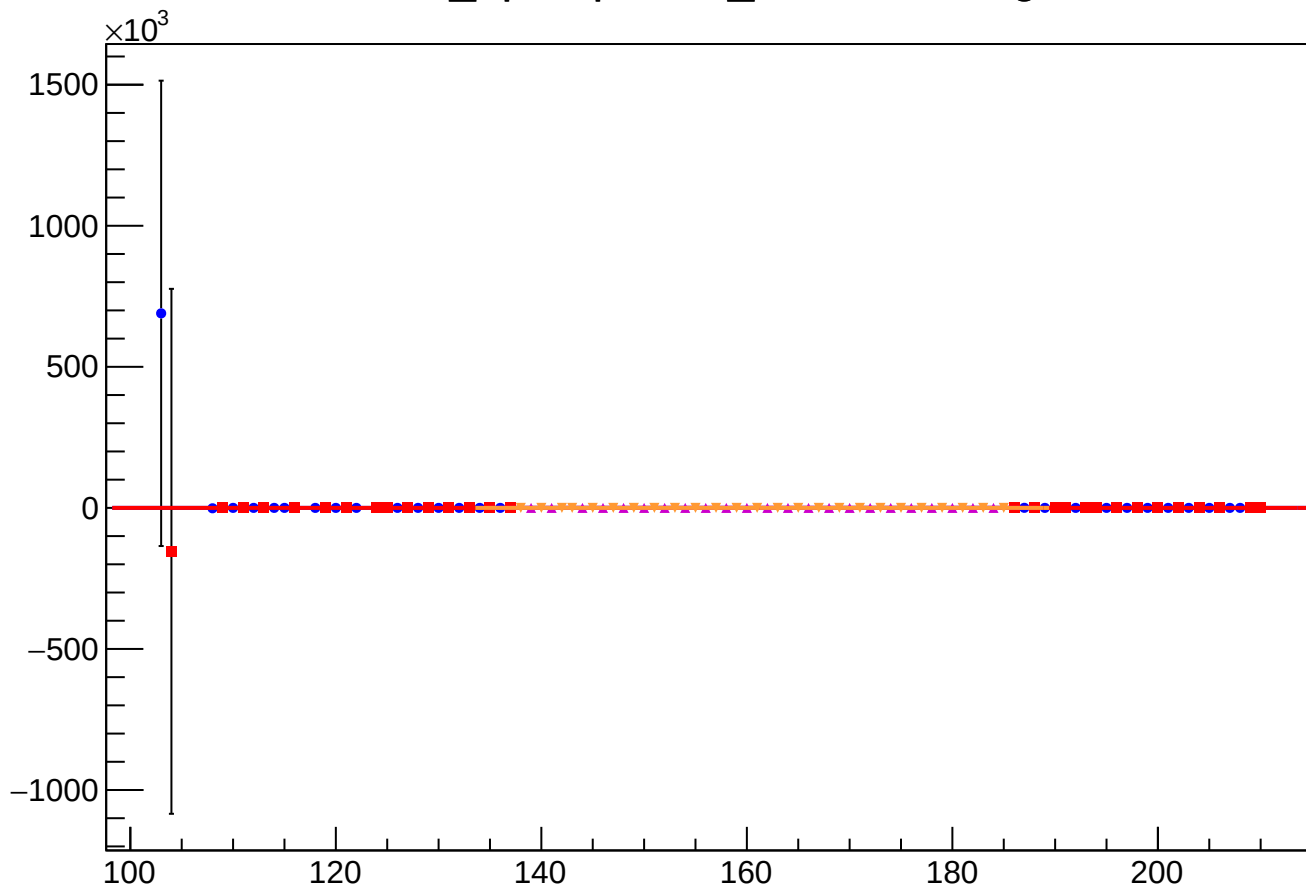
Left In: 1596.179+/-0.265 χ^2/NDF : 196833.1/22

+ sign 1729.267+/-0.219 χ^2/NDF : 4315827.7/48

All: 1747.679+/-0.156 χ^2/NDF : 9176829.7/99

- sign 1766.573+/-0.222 χ^2/NDF : 4846728.5/50

diff_bpm1p03aY_mean vs Slug



Right In: 0.176 $\pm$ 0.443 χ^2 /NDF: 24.6/25

Left Out: -1.179 $\pm$ 0.502 χ^2 /NDF: 24.4/24

Right Out: -0.408 $\pm$ 0.424 χ^2 /NDF: 33.3/28

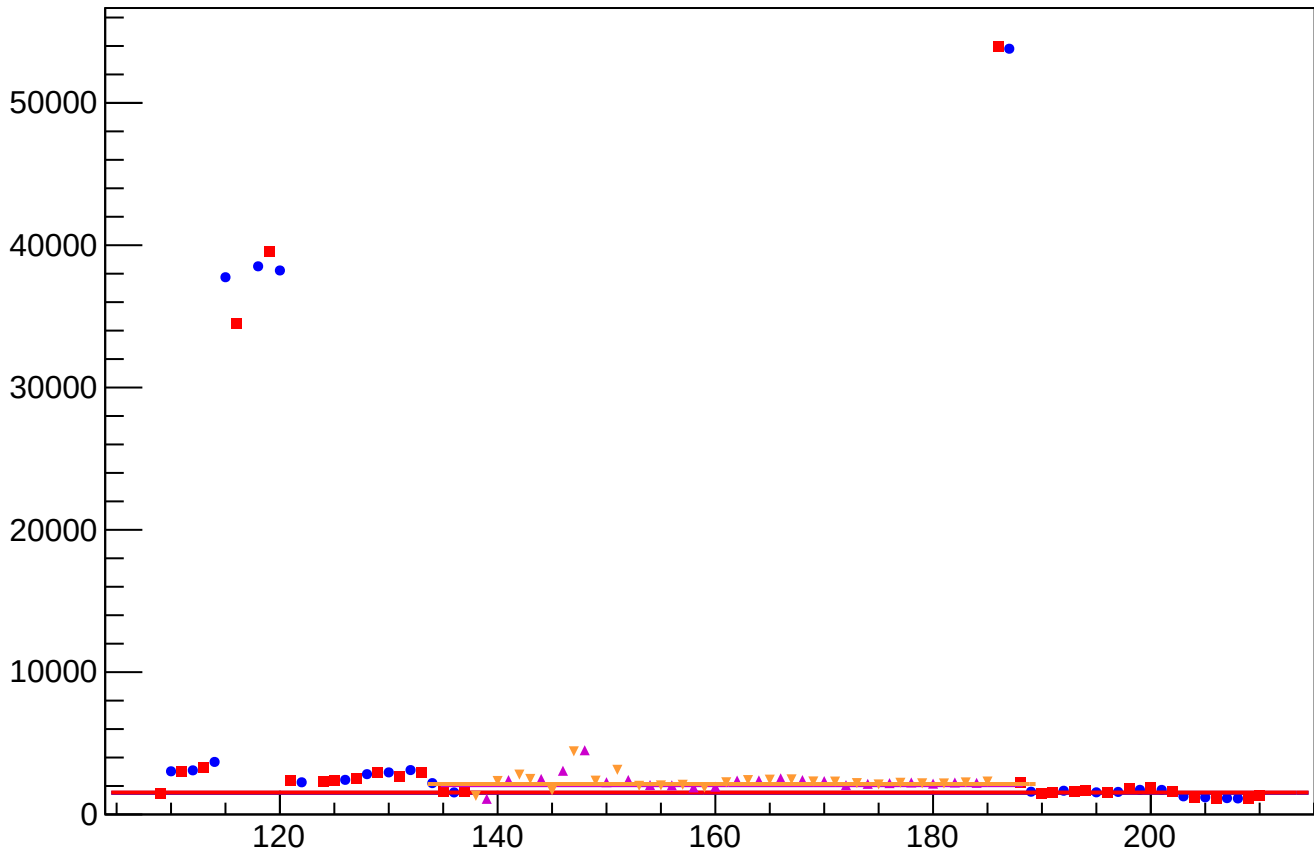
Left In: 0.125 $\pm$ 0.501 χ^2 /NDF: 16.9/22

+ sign -0.417 $\pm$ 0.332 χ^2 /NDF: 53.1/50

All: -0.298 $\pm$ 0.232 χ^2 /NDF: 104.2/102

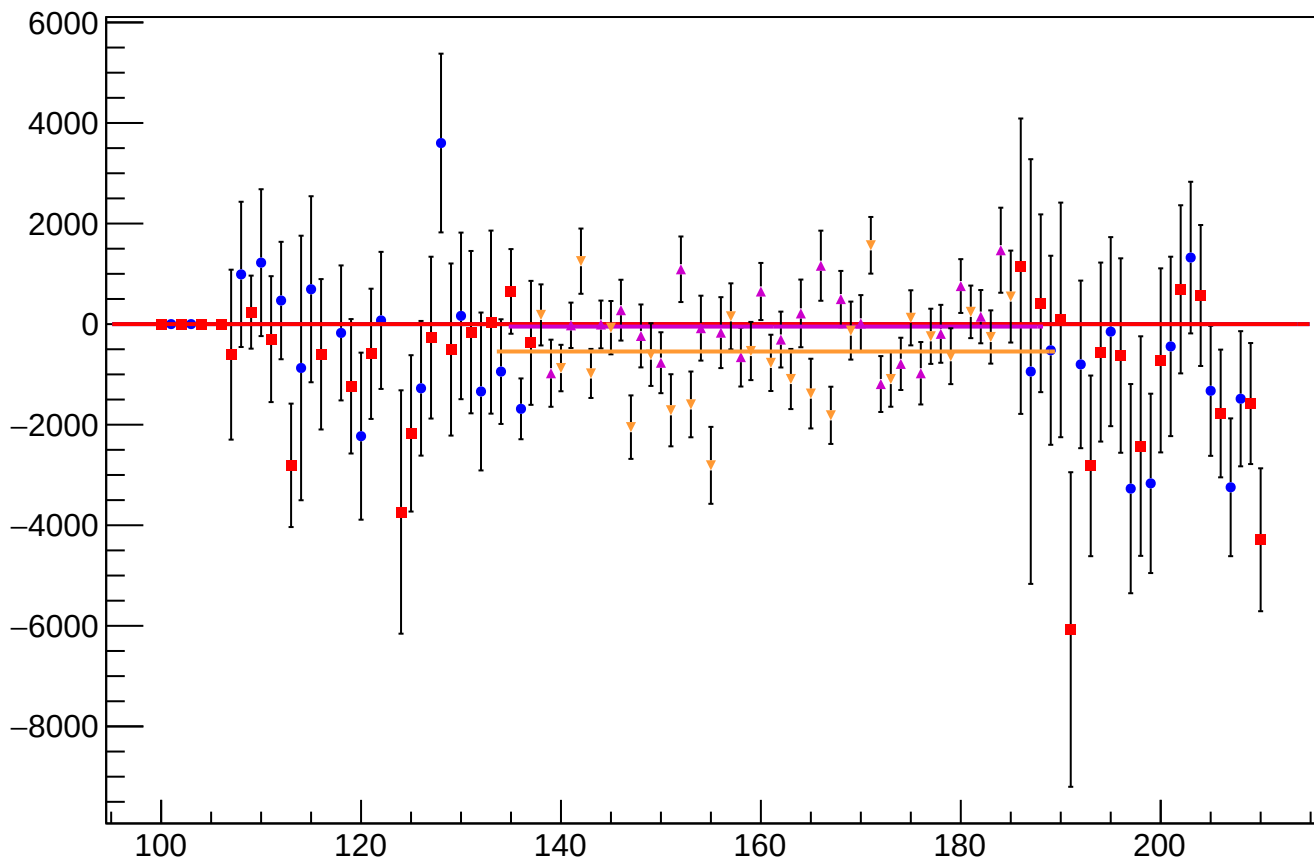
- sign -0.186 $\pm$ 0.324 χ^2 /NDF: 50.9/51

diff_bpm1p03aY_rms vs Slug



Right In: 1517.963+/-0.313	χ^2/NDF : 4391751.7/23	+ sign 1789.700+/-0.235	χ^2/NDF : 7592075.0/48
Left Out: 2139.248+/-0.355	χ^2/NDF : 1480000.5/24	All: 1772.771+/-0.164	χ^2/NDF : 15705205.6/50
Right Out: 1541.093+/-0.300	χ^2/NDF : 4568289.6/27	- sign 1756.710+/-0.229	χ^2/NDF : 8103014.8/50
Left In: 2058.216+/-0.354	χ^2/NDF : 2293601.6/22		

diff_cav4bX_mean vs Slug



Right In: 0.255 ± 0.356 χ^2/NDF : 32.5/26

Left Out: -544.414 ± 117.154 χ^2/NDF : 60.9/24

Right Out: 0.095 ± 0.328 χ^2/NDF : 36.6/32

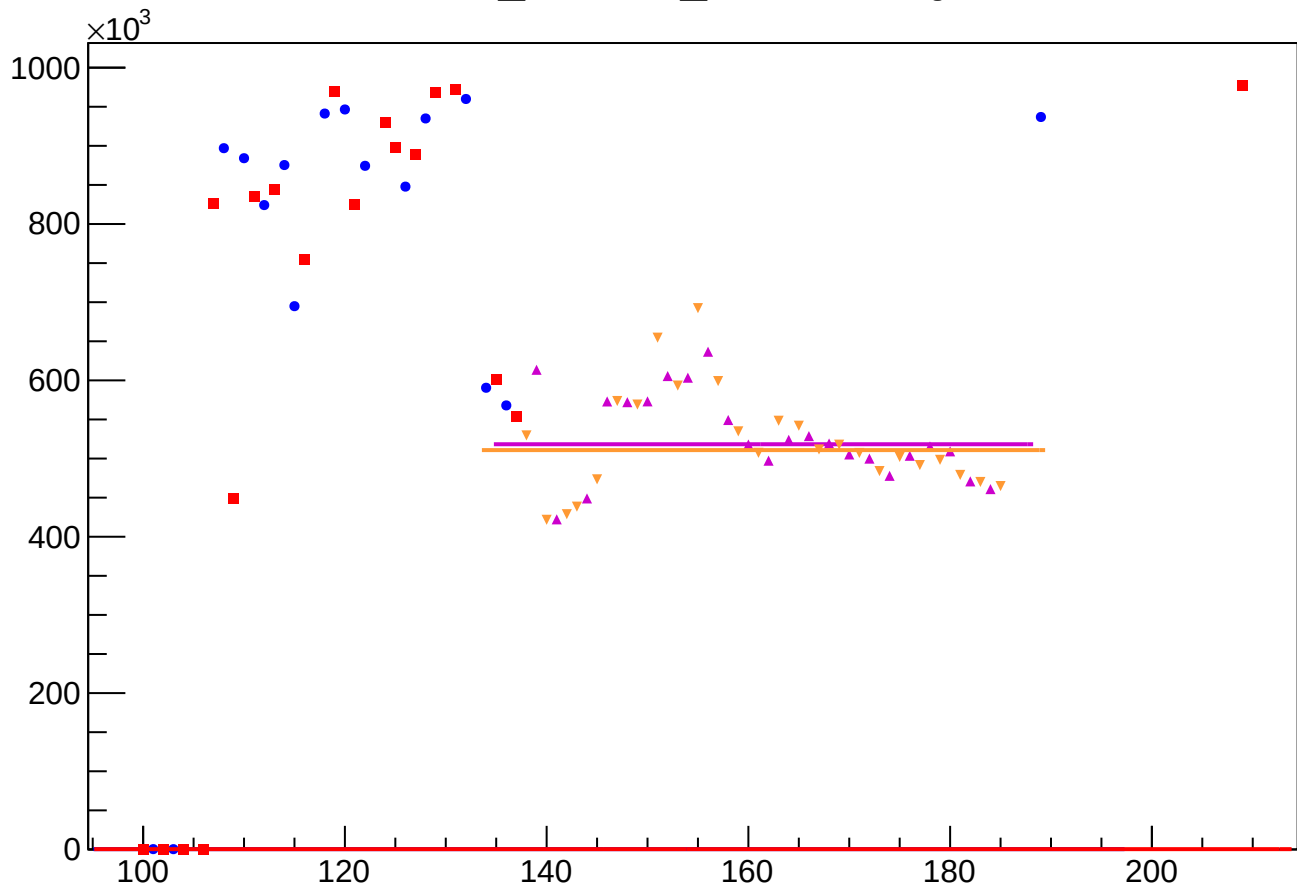
Left In: -49.119 ± 121.932 χ^2/NDF : 28.0/22

+ sign 0.250 ± 0.356 χ^2/NDF : 114.9/51

All: 0.166 ± 0.241 χ^2/NDF : 179.7/107

- sign 0.095 ± 0.328 χ^2/NDF : 64.7/55

diff_cav4bX_rms vs Slug



Right In: 398.894 ± 0.251 χ^2/NDF : 8685185.3/15

Left Out: 510811.545 ± 82.841 χ^2/NDF : 509606.7/24

Right Out: 393.242 ± 0.232 χ^2/NDF : 7684547.6/18

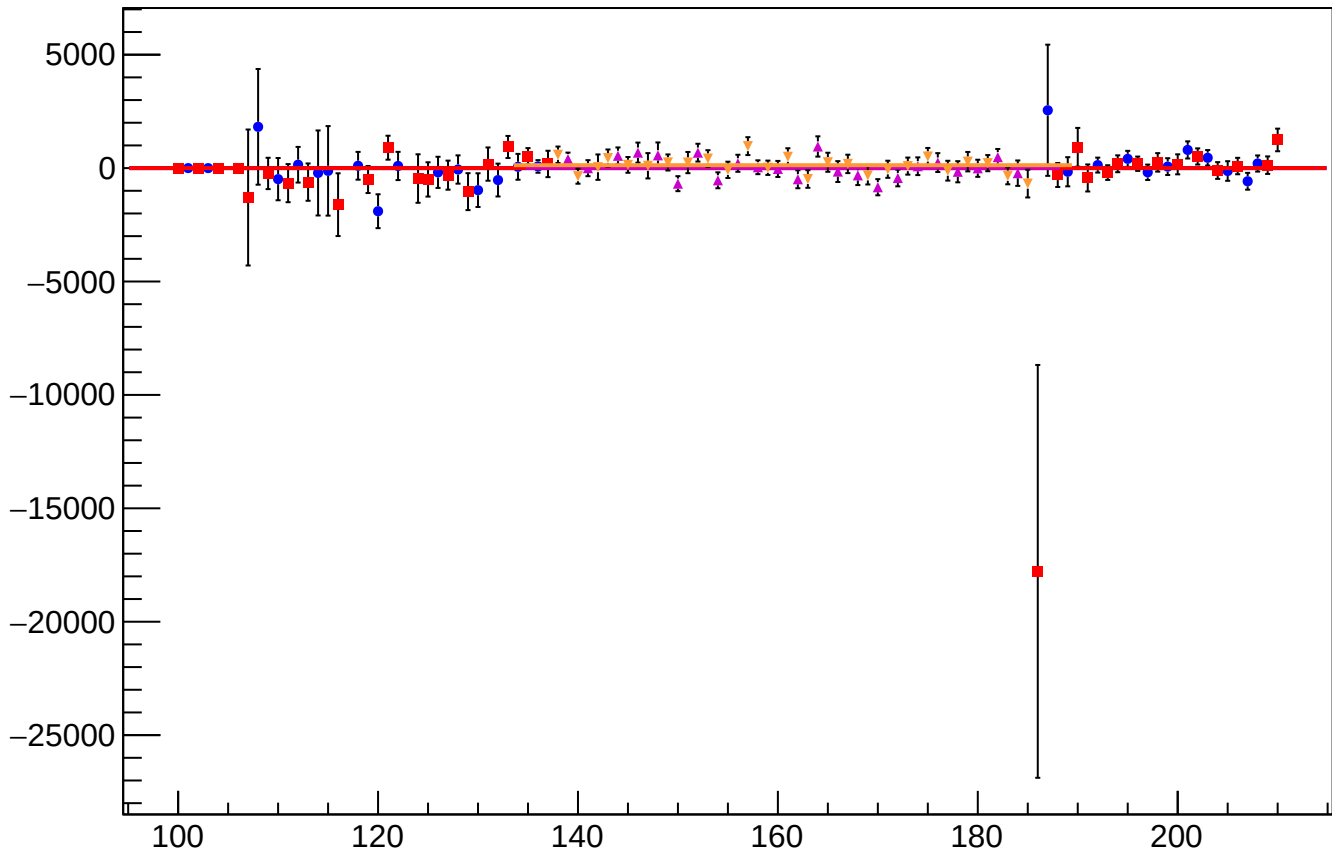
Left In: 518313.411 ± 86.219 χ^2/NDF : 399884.6/22

+ sign 403.598 ± 0.251 χ^2/NDF : 47157011.5/40

All: 400.022 ± 0.170 χ^2/NDF : 91325731.6/82

- sign 396.985 ± 0.232 χ^2/NDF : 44168346.1/41

diff_cav4bY_mean vs Slug



Right In: -0.019 ± 0.347 χ^2/NDF : 22.2/26

Left Out: 128.971 ± 78.249 χ^2/NDF : 20.1/24

Right Out: 0.600 ± 0.324 χ^2/NDF : 30.9/32

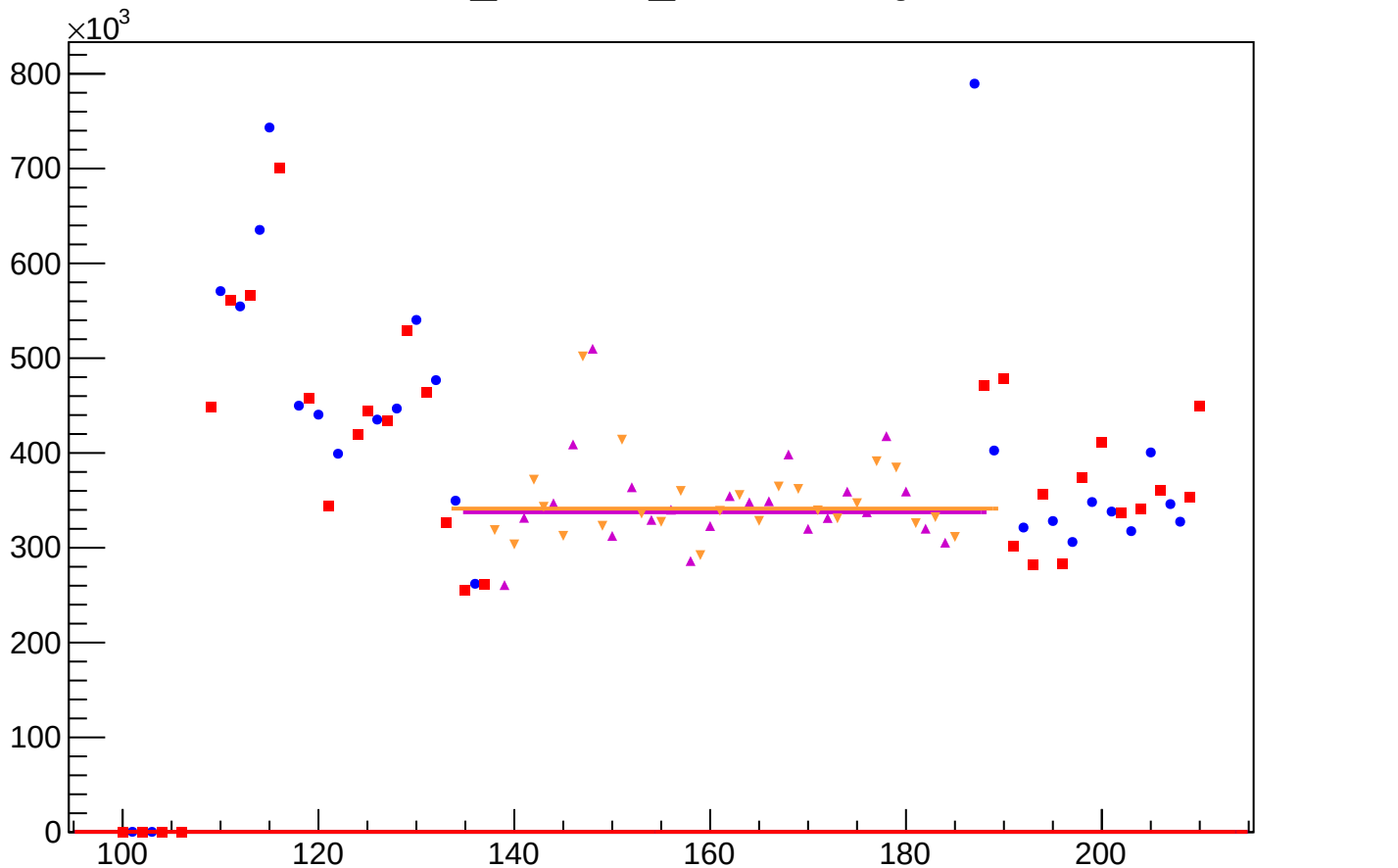
Left In: 19.324 ± 79.767 χ^2/NDF : 33.7/22

+ sign -0.017 ± 0.347 χ^2/NDF : 45.1/51

All: 0.313 ± 0.237 χ^2/NDF : 111.4/107

- sign 0.600 ± 0.324 χ^2/NDF : 64.6/55

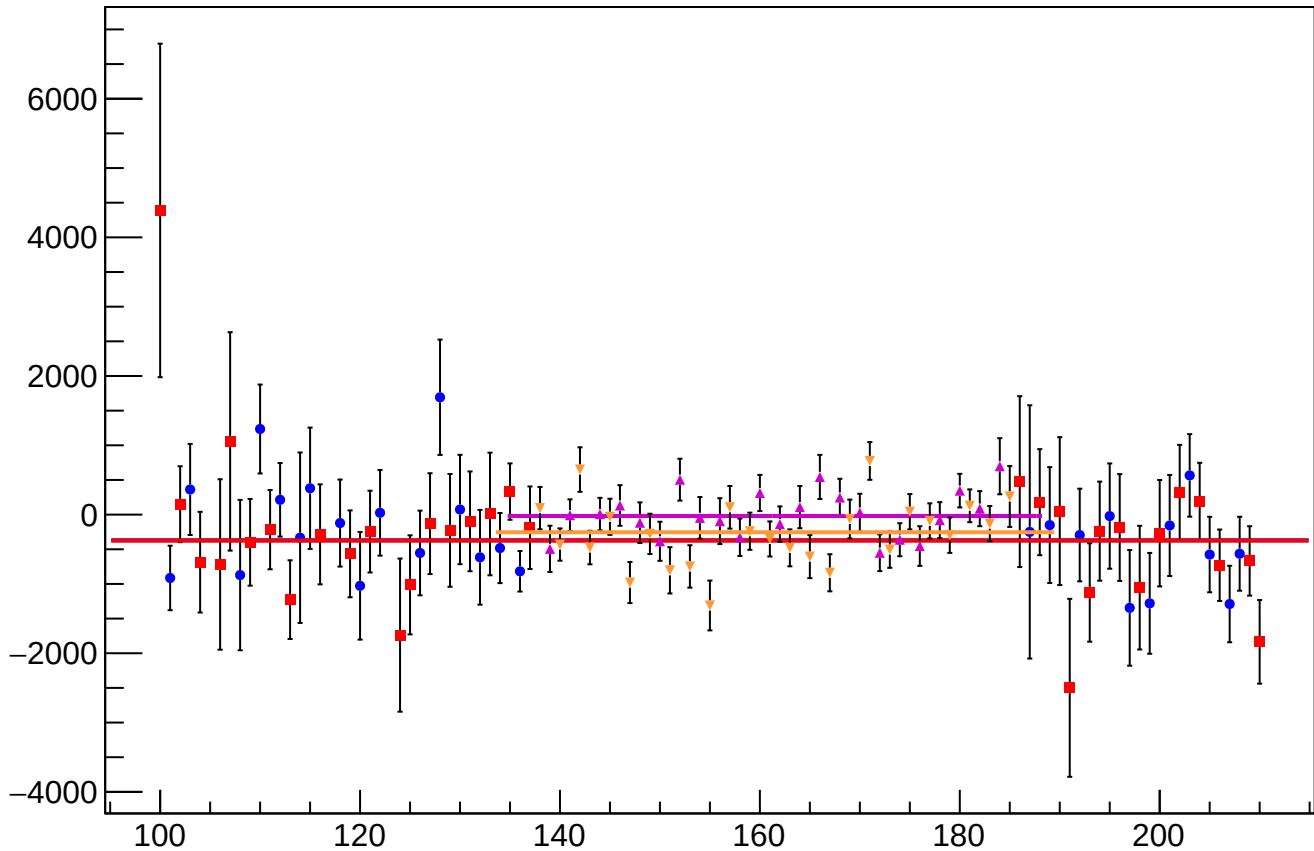
diff_cav4bY_rms vs Slug



Right In: 393.172 ± 0.245 $\chi^2/\text{NDF}: 27385091.1/25$
 Left Out: 341327.149 ± 55.330 $\chi^2/\text{NDF}: 403173.8/24$
 Right Out: 390.883 ± 0.229 $\chi^2/\text{NDF}: 30856535.6/30$
 Left In: 337505.654 ± 56.407 $\chi^2/\text{NDF}: 600776.4/22$

+ sign 399.881 ± 0.245 $\chi^2/\text{NDF}: 65755356.4/50$
 All: 398.040 ± 0.167 $\chi^2/\text{NDF}: 132930577.1/100$
 - sign 396.437 ± 0.229 $\chi^2/\text{NDF}: 67175115.3/53$

diff_cav4cX_mean vs Slug



Right In: -370.744 ± 119.561 χ^2/NDF : 30.2/26

Left Out: -254.371 ± 55.417 χ^2/NDF : 61.3/24

Right Out: -374.643 ± 120.418 χ^2/NDF : 28.7/32

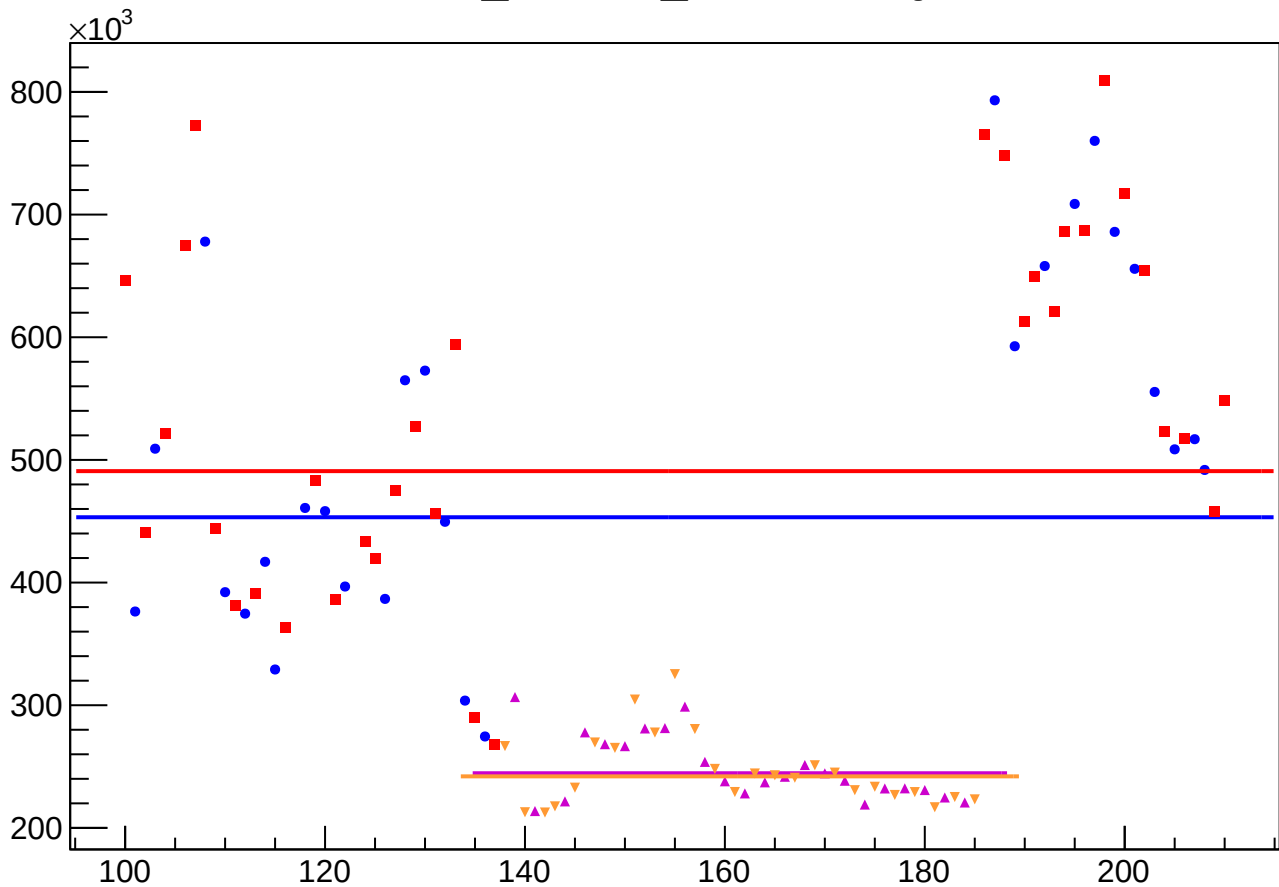
Left In: -20.176 ± 57.484 χ^2/NDF : 28.6/22

+ sign -274.951 ± 50.279 χ^2/NDF : 92.3/51

All: -183.410 ± 36.104 χ^2/NDF : 163.5/107

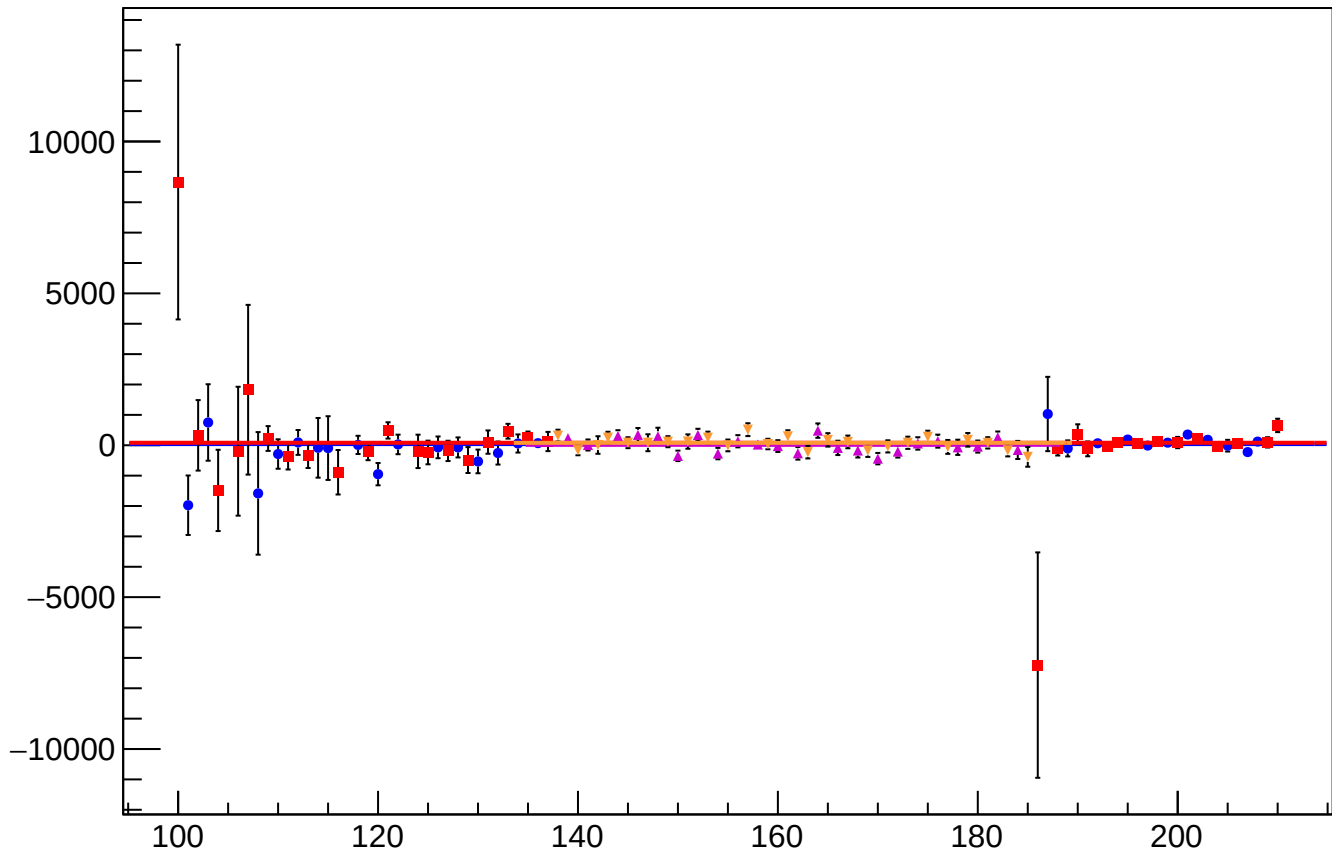
- sign -85.961 ± 51.876 χ^2/NDF : 64.3/55

diff_cav4cX_rms vs Slug



Right In: 453252.027 $\pm$ 84.558	χ^2 /NDF: 2587863.3/26	+ sign 279354.968 $\pm$ 35.554	χ^2 /NDF: 8138767.4/51
Left Out: 242008.749 $\pm$ 39.186	χ^2 /NDF: 413236.1/24	All: 284595.891 $\pm$ 25.532	χ^2 /NDF: 17875736
Right Out: 490852.529 $\pm$ 85.238	χ^2 /NDF: 2527417.9/32	- sign 290176.857 $\pm$ 36.689	χ^2 /NDF: 9692100.5/55
Left In: 244542.686 $\pm$ 40.647	χ^2 /NDF: 361527.4/22		

diff_cav4cY_mean vs Slug



Right In: 38.406 $\pm$ 43.104 χ^2 /NDF: 26.1/26

Left Out: 79.495 $\pm$ 41.301 χ^2 /NDF:19.7/24

Right Out: 81.910 $\pm$ 41.305 χ^2 /NDF: 34.4/32

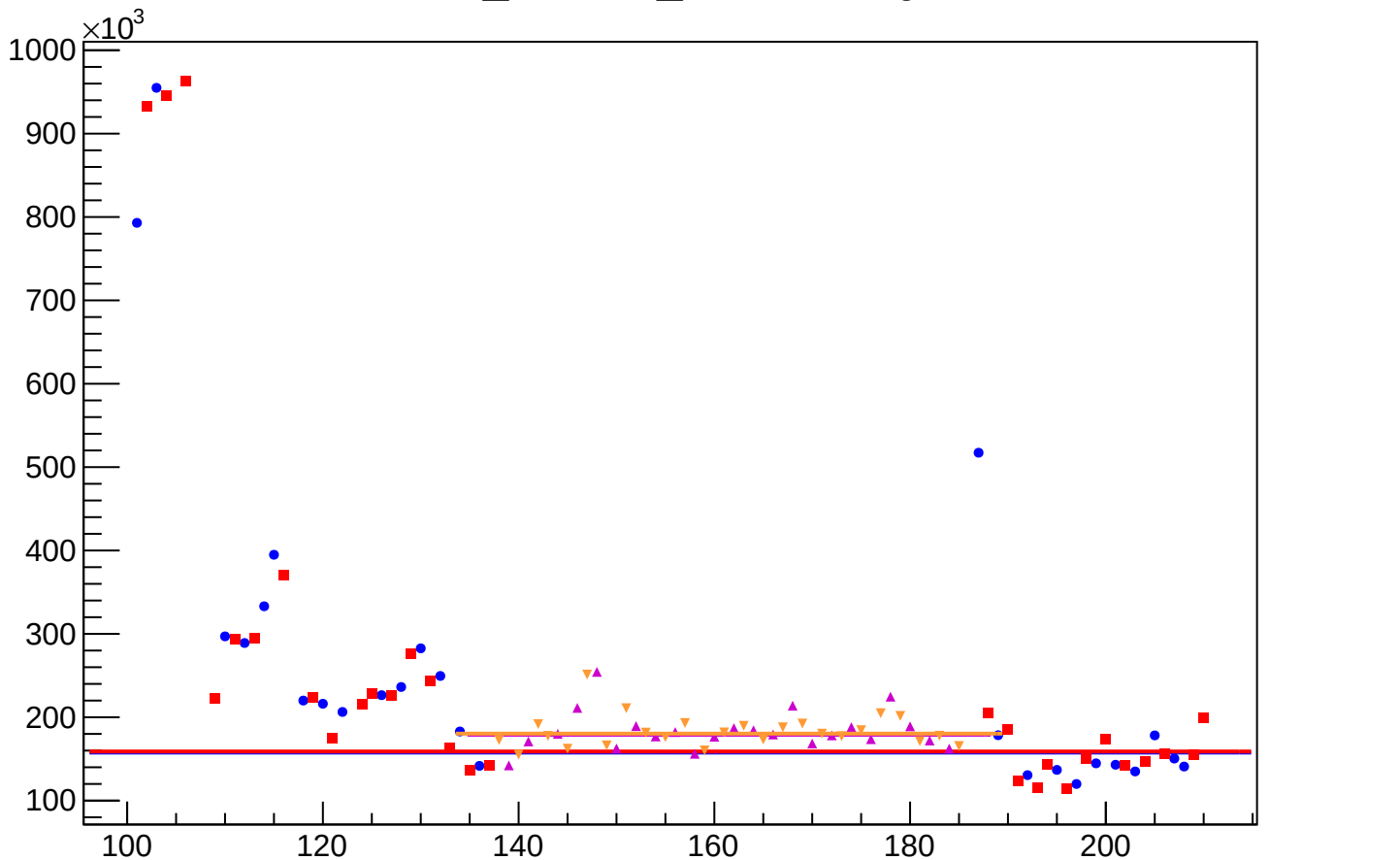
Left In: 14.032 $\pm$ 42.233 χ^2 /NDF:33.2/22

+ sign 59.828 $\pm$ 29.821 χ^2 /NDF: 46.3/51

All: 54.222 $\pm$ 20.983 χ^2 /NDF: 115.2/107

- sign 48.725 $\pm$ 29.530 χ^2 /NDF: 68.9/55

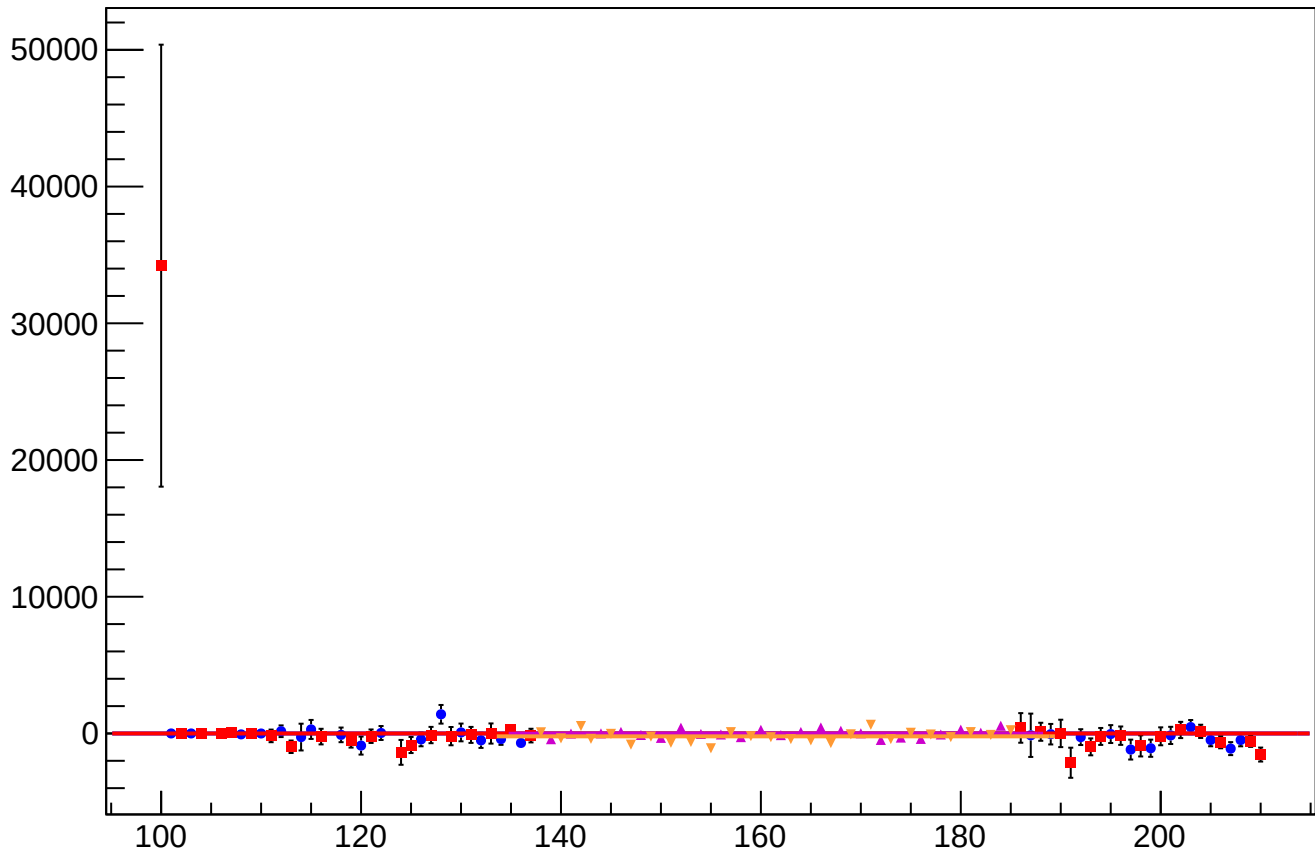
diff_cav4cY_rms vs Slug



Right In: 157651.398 $\pm$ 30.492 χ^2 /NDF: 3256642.3/25
 Left Out: 180342.867 $\pm$ 29.204 χ^2 /NDF:346596.9/24
 Right Out: 158916.725 $\pm$ 29.225 χ^2 /NDF: 3340370.4/29
 Left In: 179024.195 $\pm$ 29.863 χ^2 /NDF:501400.7/22

+ sign 169486.329 $\pm$ 21.091 χ^2 /NDF: 3892087.6/50
 All: 169116.180 $\pm$ 14.841 χ^2 /NDF: 7966044.7
 - sign 168753.147 $\pm$ 20.887 χ^2 /NDF: 4073347.0/52

diff_cav4dX_mean vs Slug



Right In: -0.035 ± 0.172 χ^2/NDF : 32.4/26

Left Out: -210.198 ± 46.290 χ^2/NDF : 61.2/24

Right Out: -0.356 ± 0.160 χ^2/NDF : 37.8/32

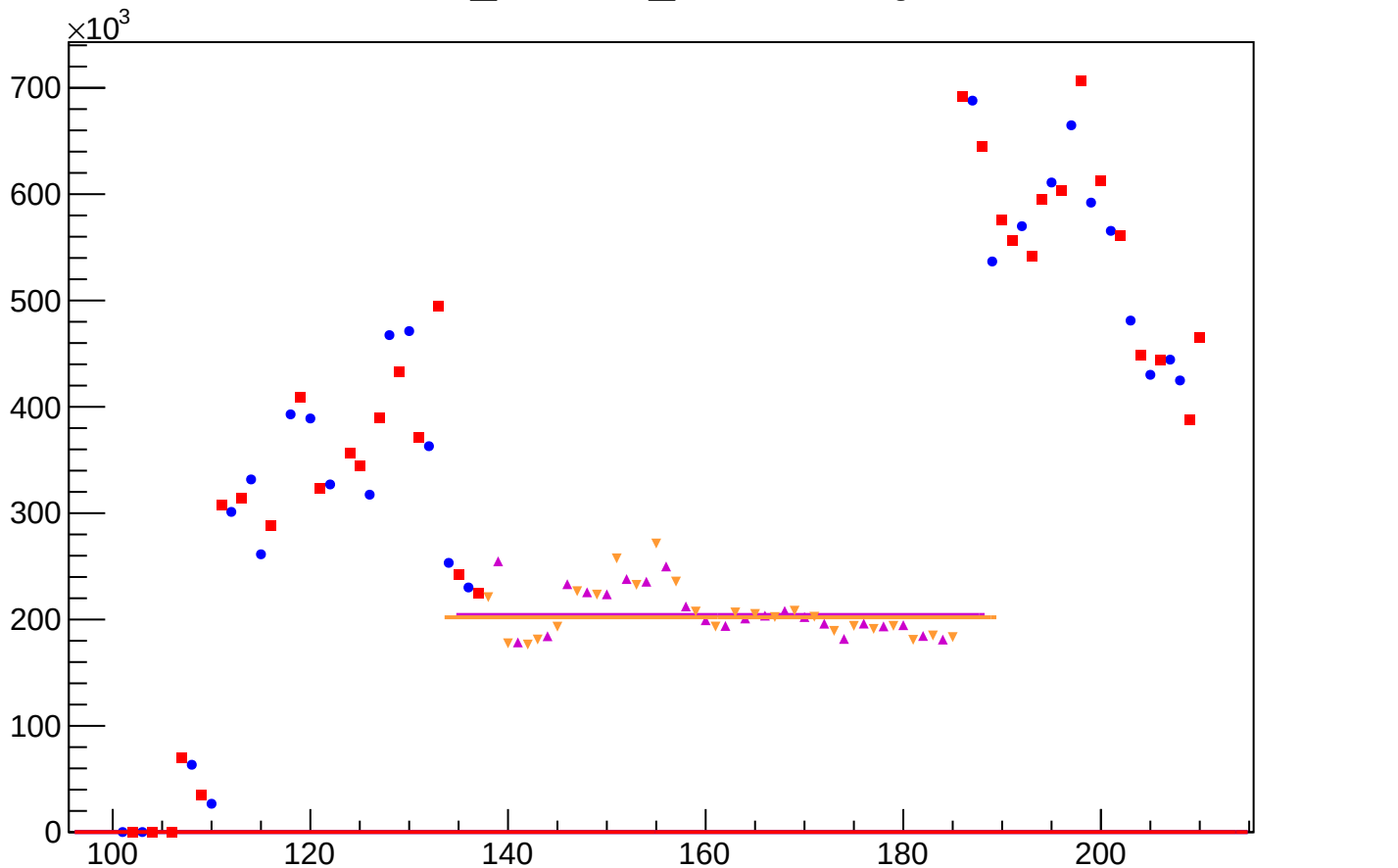
Left In: -21.095 ± 48.037 χ^2/NDF : 28.6/22

+ sign -0.038 ± 0.172 χ^2/NDF : 114.2/51

All: -0.209 ± 0.117 χ^2/NDF : 182.7/107

- sign -0.356 ± 0.160 χ^2/NDF : 66.6/55

diff_cav4dX_rms vs Slug



Right In: 149.577 $\pm$ 0.122 χ^2 /NDF: 28380086.2/26

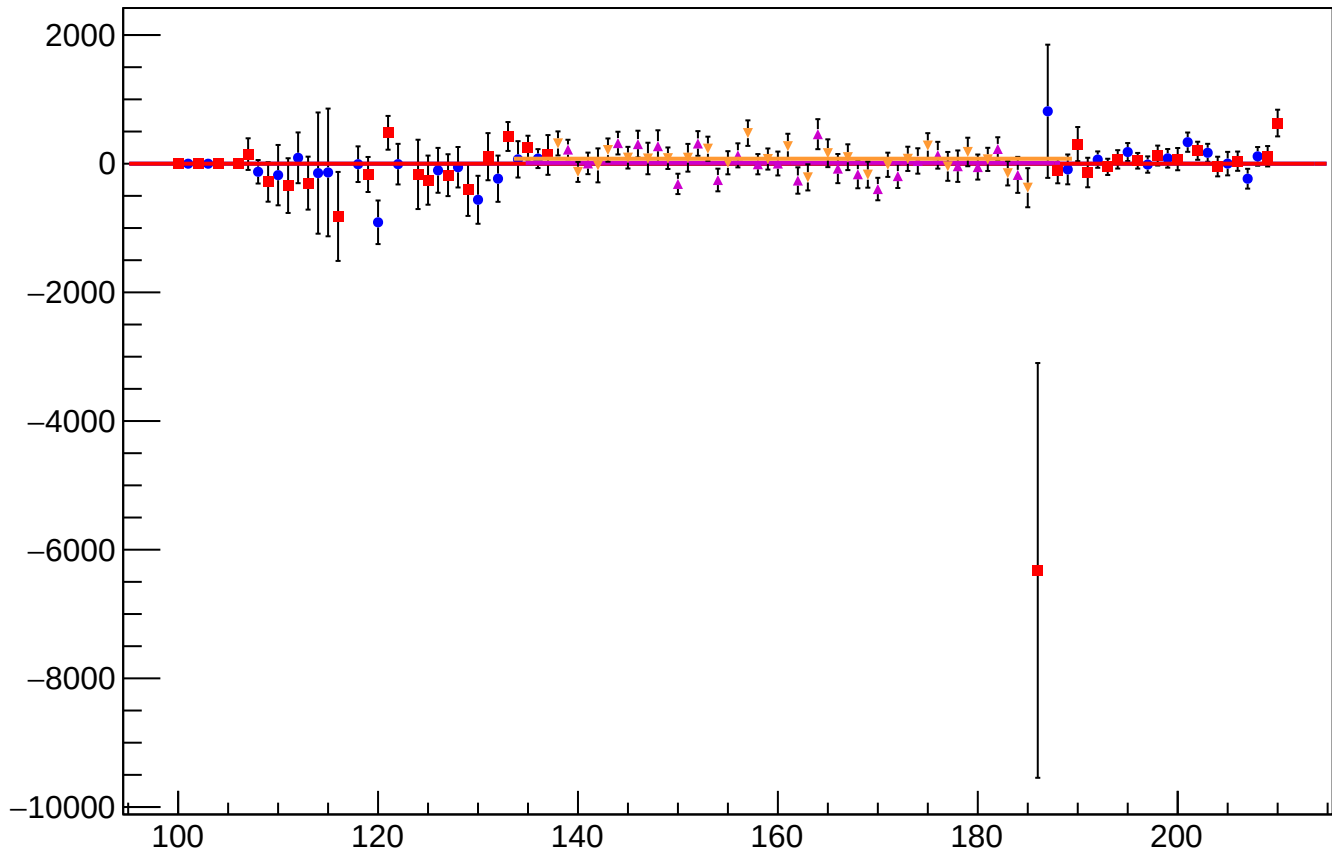
Left Out: 202085.802 $\pm$ 32.732 χ^2 /NDF:434069.3/24 + sign 152.374 $\pm$ 0.122 χ^2 /NDF: 66875777.0/51

Right Out: 149.885 $\pm$ 0.113 χ^2 /NDF: 32446829.8/31

All: 152.256 $\pm$ 0.083 χ^2 /NDF: 135825211.0/31

Left In: 204310.238 $\pm$ 33.967 χ^2 /NDF:377332.3/22 - sign 152.153 $\pm$ 0.113 χ^2 /NDF: 68949432.3/54

diff_cav4dY_mean vs Slug



Right In: -0.067 ± 0.177 χ^2/NDF : 23.6/26

Left Out: 77.572 ± 38.921 χ^2/NDF : 19.1/24

Right Out: 0.127 ± 0.166 χ^2/NDF : 34.4/32

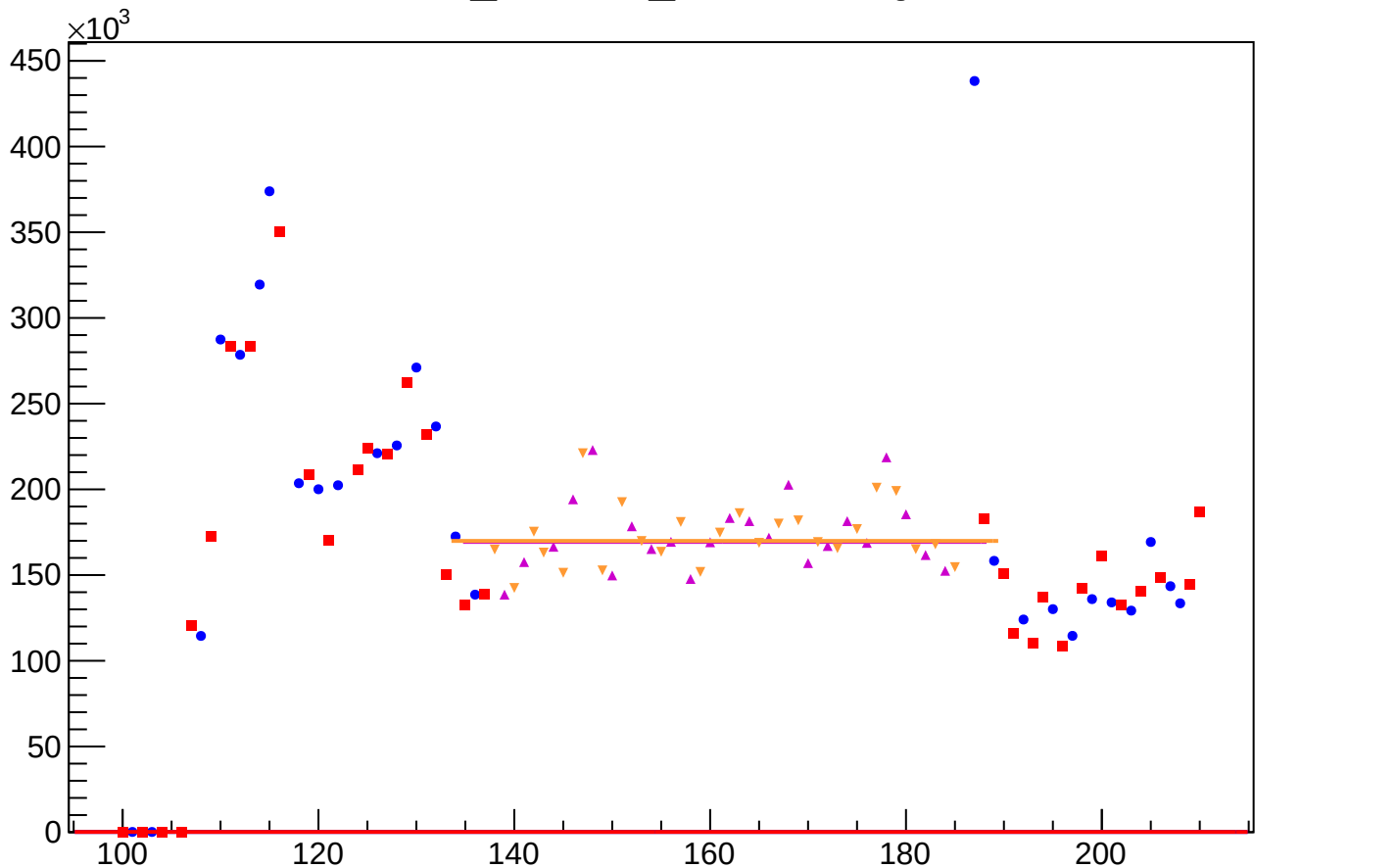
Left In: 13.457 ± 39.929 χ^2/NDF : 32.7/22

+ sign -0.065 ± 0.177 χ^2/NDF : 46.7/51

All: 0.037 ± 0.121 χ^2/NDF : 114.6/107

- sign 0.127 ± 0.166 χ^2/NDF : 67.2/55

diff_cav4dY_rms vs Slug



Right In: 155.385 $\pm$ 0.125 χ^2 /NDF: 28652789.9/26

Left Out: 169916.225 $\pm$ 27.521 χ^2 /NDF:363966.0/24

Right Out: 158.121 $\pm$ 0.118 χ^2 /NDF: 31331317.8/31

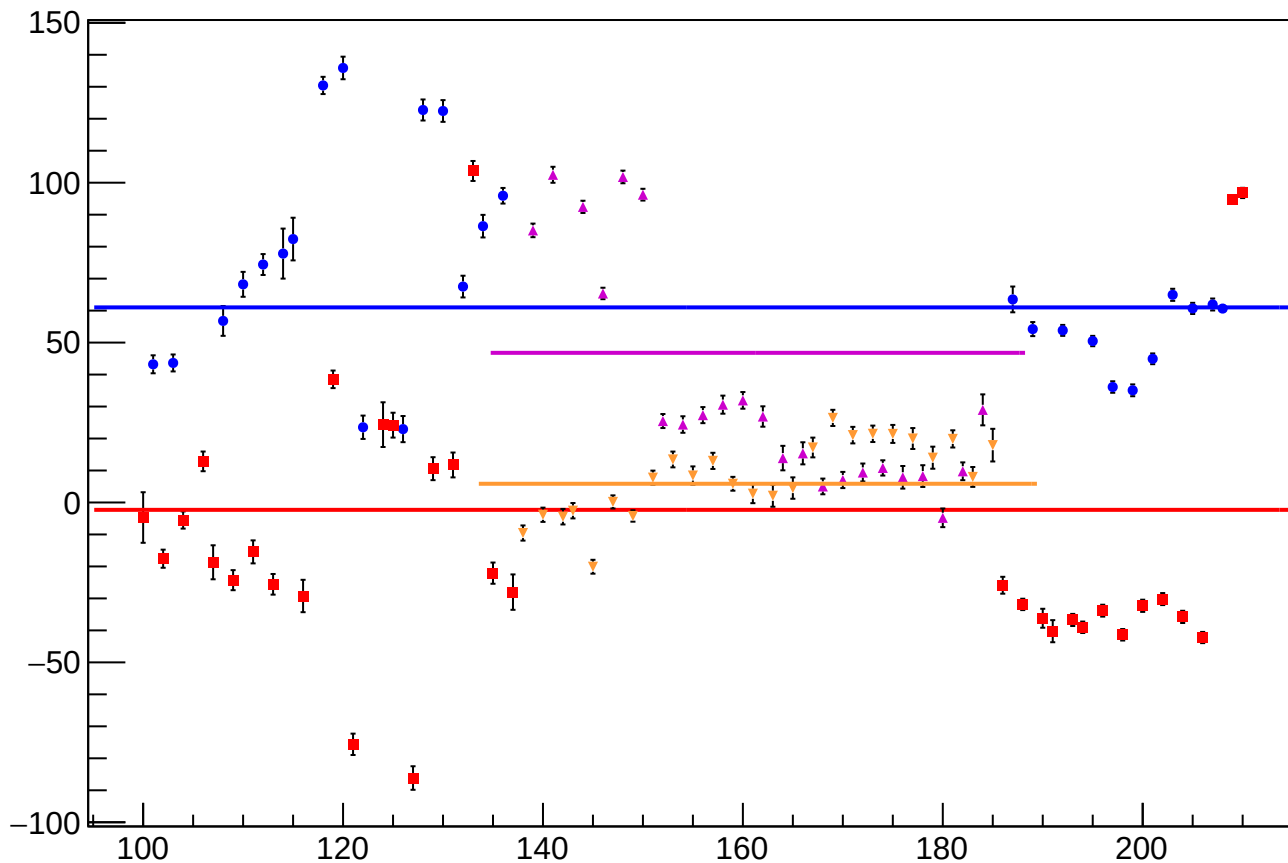
Left In: 169352.083 $\pm$ 28.234 χ^2 /NDF:474852.1/22

+ sign 158.905 $\pm$ 0.125 χ^2 /NDF: 67064055.8/51

All: 160.051 $\pm$ 0.086 χ^2 /NDF: 134779711.6/134

- sign 161.063 $\pm$ 0.118 χ^2 /NDF: 67715498.3/54

diff_bpm0i01X_mean vs Slug



Right In: 61.006 ± 0.465 χ^2/NDF : 2915.6/26

Left Out: 5.852 ± 0.514 χ^2/NDF : 535.3/24

Right Out: -2.304 ± 0.425 χ^2/NDF : 16224.4/32

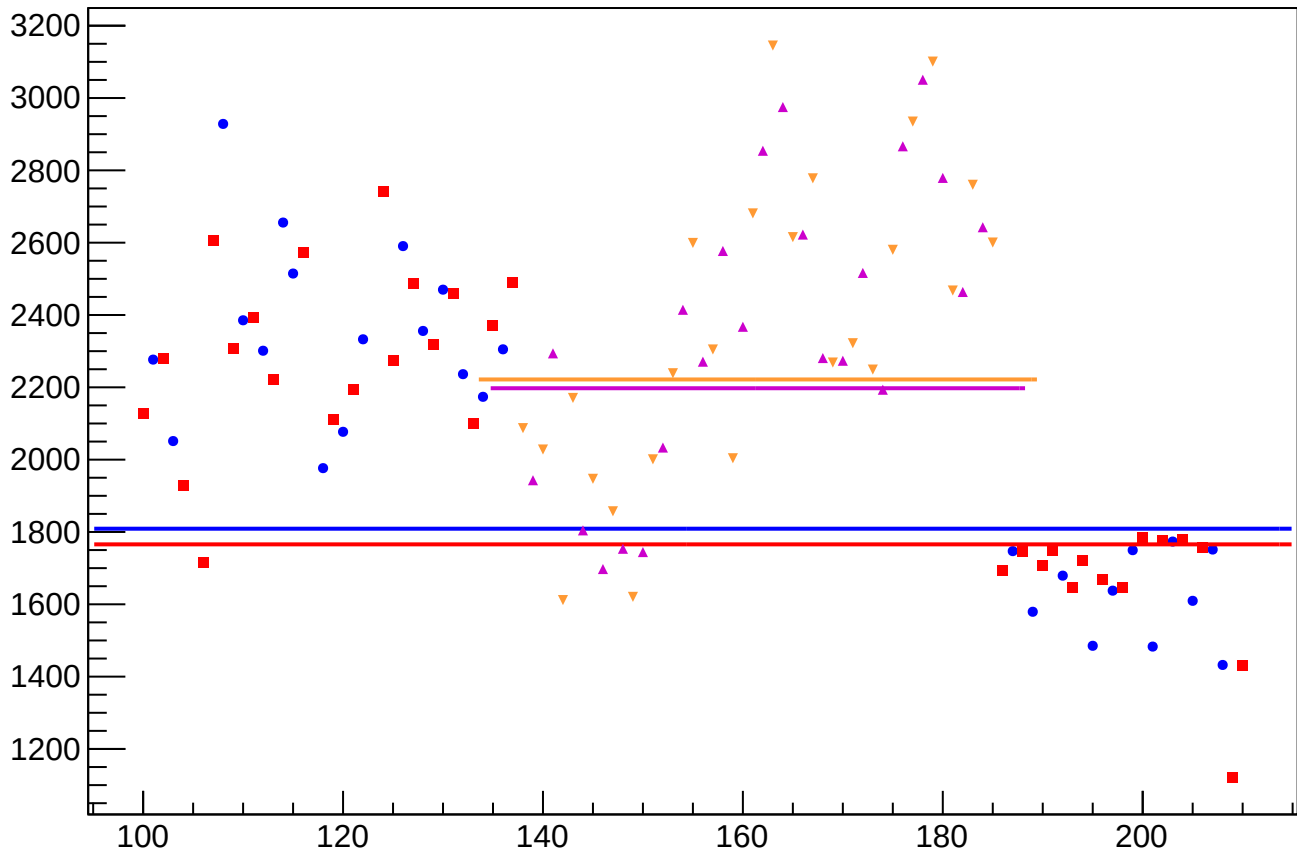
Left In: 46.796 ± 0.524 χ^2/NDF : 5175.4/22

+ sign 36.158 ± 0.345 χ^2/NDF : 9778.1/51

All: 26.224 ± 0.238 χ^2/NDF : 38060.1/107

- sign 17.134 ± 0.330 χ^2/NDF : 26694.1/55

diff_bpm0i01X_rms vs Slug



Right In: 1809.048 $\pm$ 0.329 χ^2 /NDF: 1073121.6/26

Left Out: 2221.771 $\pm$ 0.363 χ^2 /NDF:1184043.2/24

Right Out: 1765.750 $\pm$ 0.300 χ^2 /NDF: 1456050.1/32

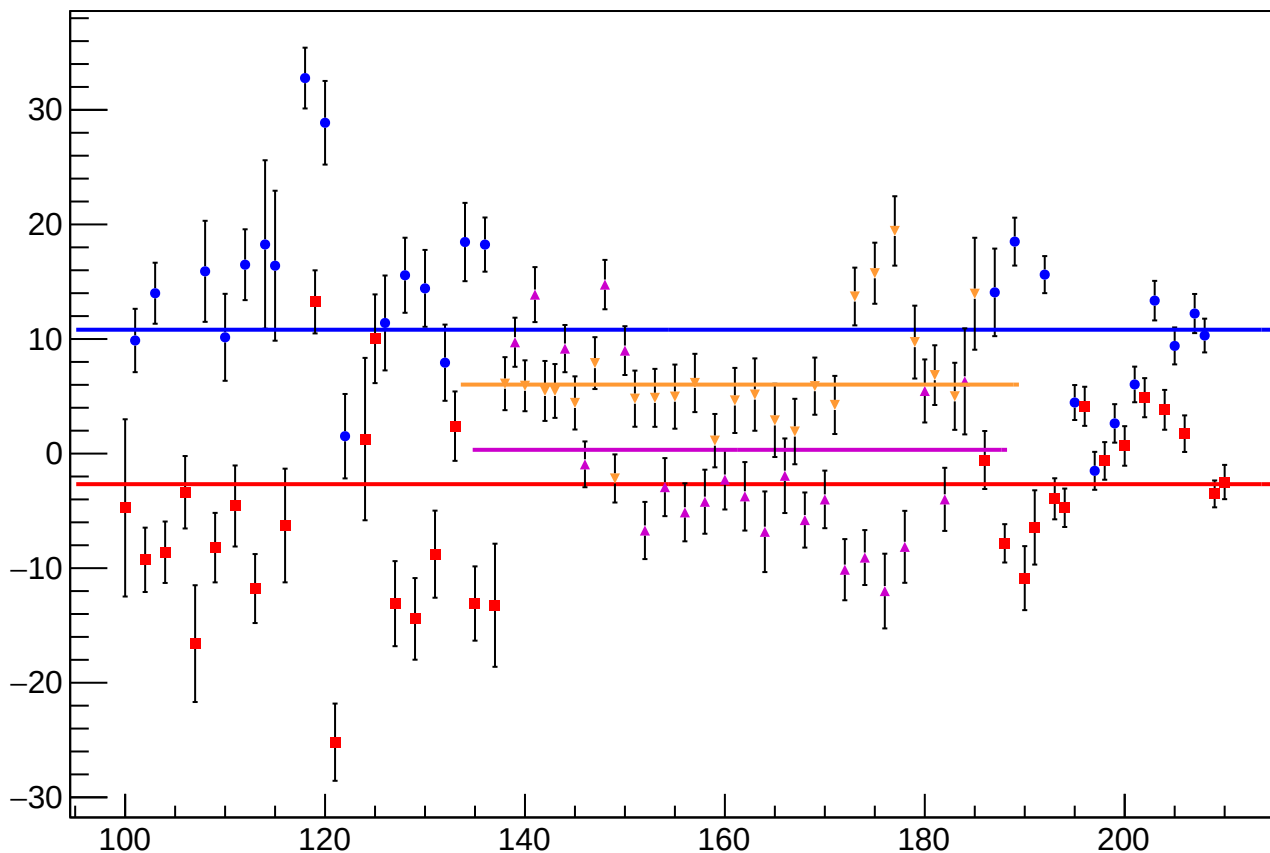
Left In: 2197.471 $\pm$ 0.371 χ^2 /NDF:1104663.4/22

+ sign 1994.986 $\pm$ 0.244 χ^2 /NDF: 2965775.9/51

All: 1964.529 $\pm$ 0.169 χ^2 /NDF: 6374985.2/10

- sign 1936.661 $\pm$ 0.233 χ^2 /NDF: 3379358.8/55

diff_bpm0i01Y_mean vs Slug



Right In: 10.811 ± 0.439 χ^2/NDF : 259.0/26

Left Out: 6.022 ± 0.521 χ^2/NDF : 71.8/24

Right Out: -2.669 ± 0.401 χ^2/NDF : 243.8/32

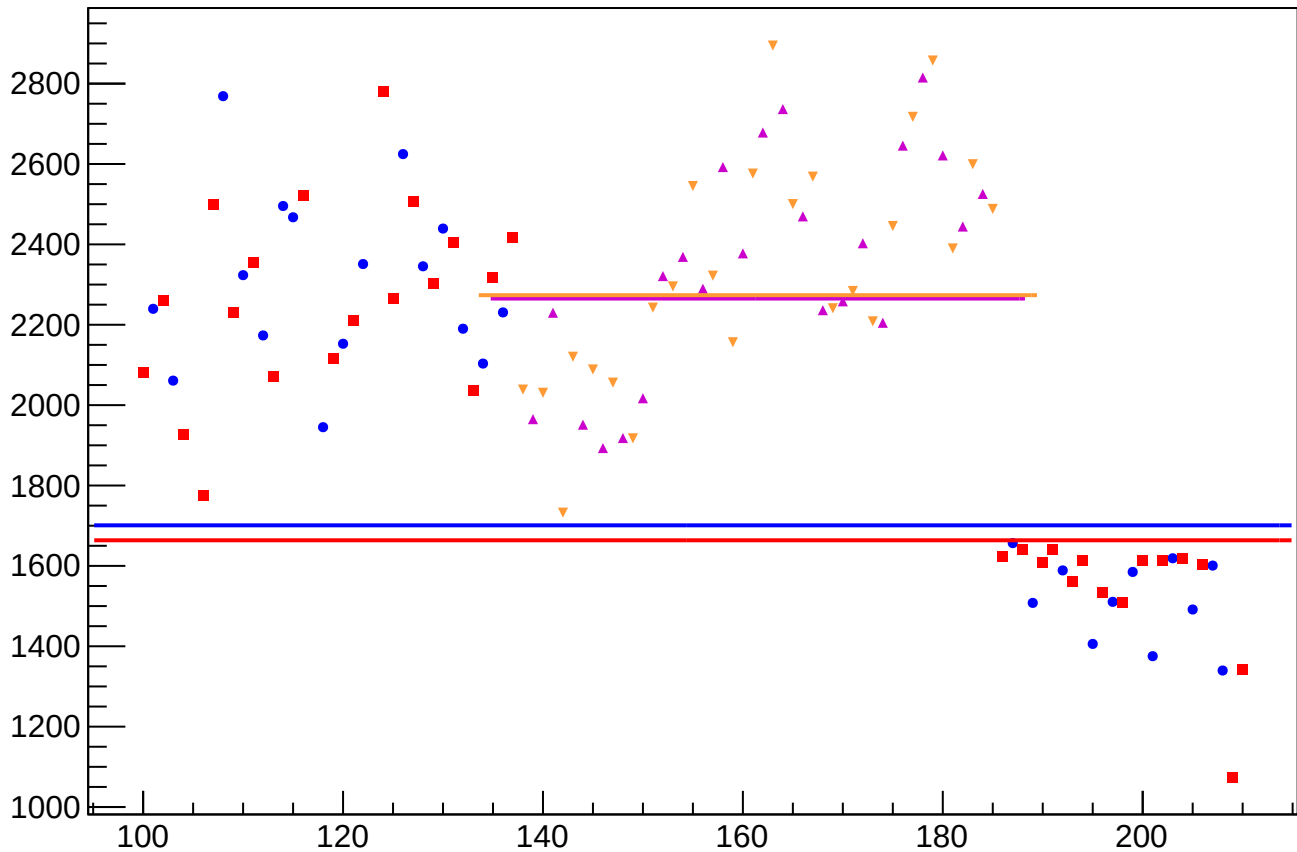
Left In: 0.329 ± 0.535 χ^2/NDF : 224.9/22

+ sign 8.822 ± 0.336 χ^2/NDF : 380.2/51

All: 3.380 ± 0.232 χ^2/NDF : 1372.0/107

- sign -1.590 ± 0.321 χ^2/NDF : 488.8/55

diff_bpm0i01Y_rms vs Slug



Right In: 1700.929+/-0.310 χ^2/NDF : 1327277.9/26

Left Out: 2273.612+/-0.368 χ^2/NDF : 536838.6/24

Right Out: 1663.699+/-0.283 χ^2/NDF : 1660060.6/32

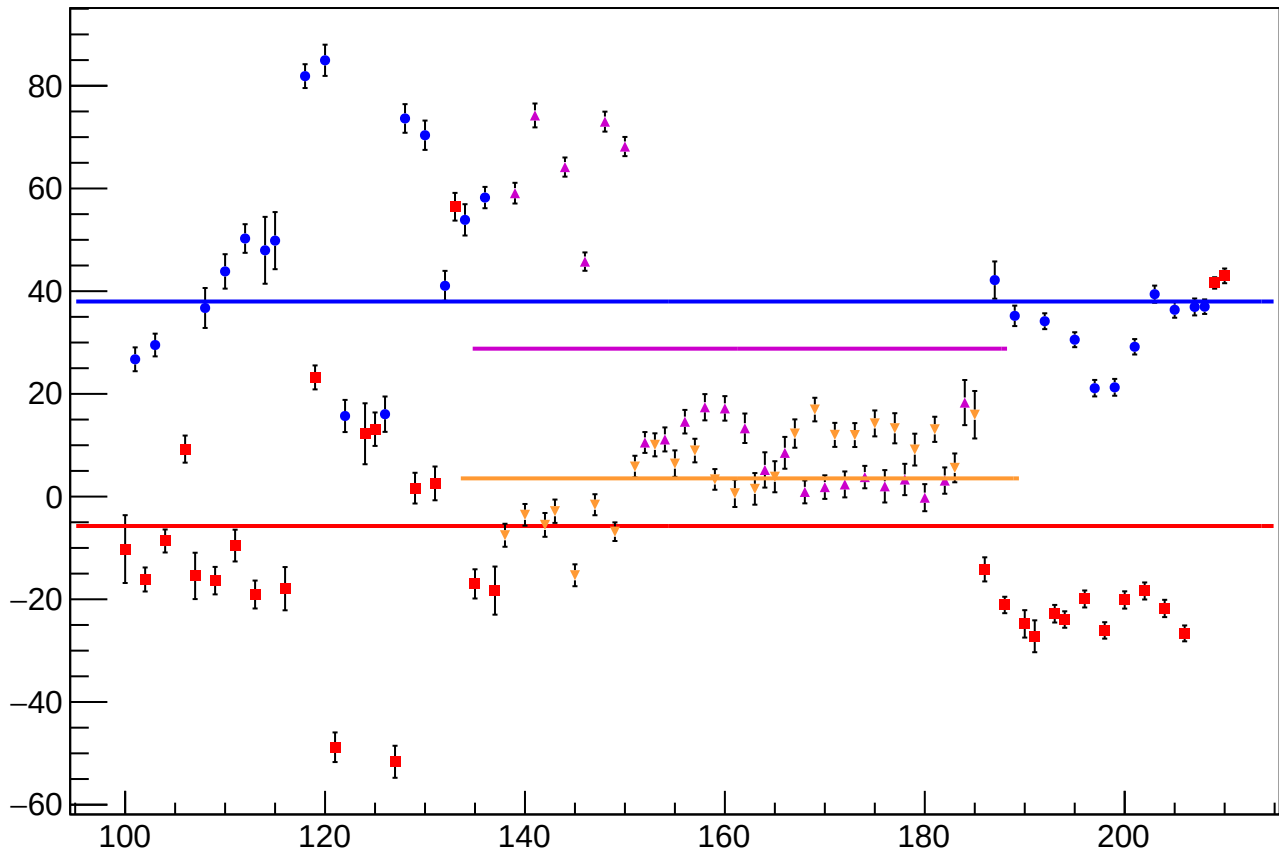
Left In: 2265.257+/-0.378 χ^2/NDF : 495816.5/22

+ sign 1938.730+/-0.237 χ^2/NDF : 3278133.3/51

All: 1908.165+/-0.164 χ^2/NDF : 7086651.8/10

- sign 1880.250+/-0.227 χ^2/NDF : 3776780.7/55

diff_bpm0i01aX_mean vs Slug



Right In: 37.989 ± 0.409 χ^2/NDF : 1457.2/26

Left Out: 3.544 ± 0.480 χ^2/NDF : 319.8/24

Right Out: -5.729 ± 0.374 χ^2/NDF : 5350.6/32

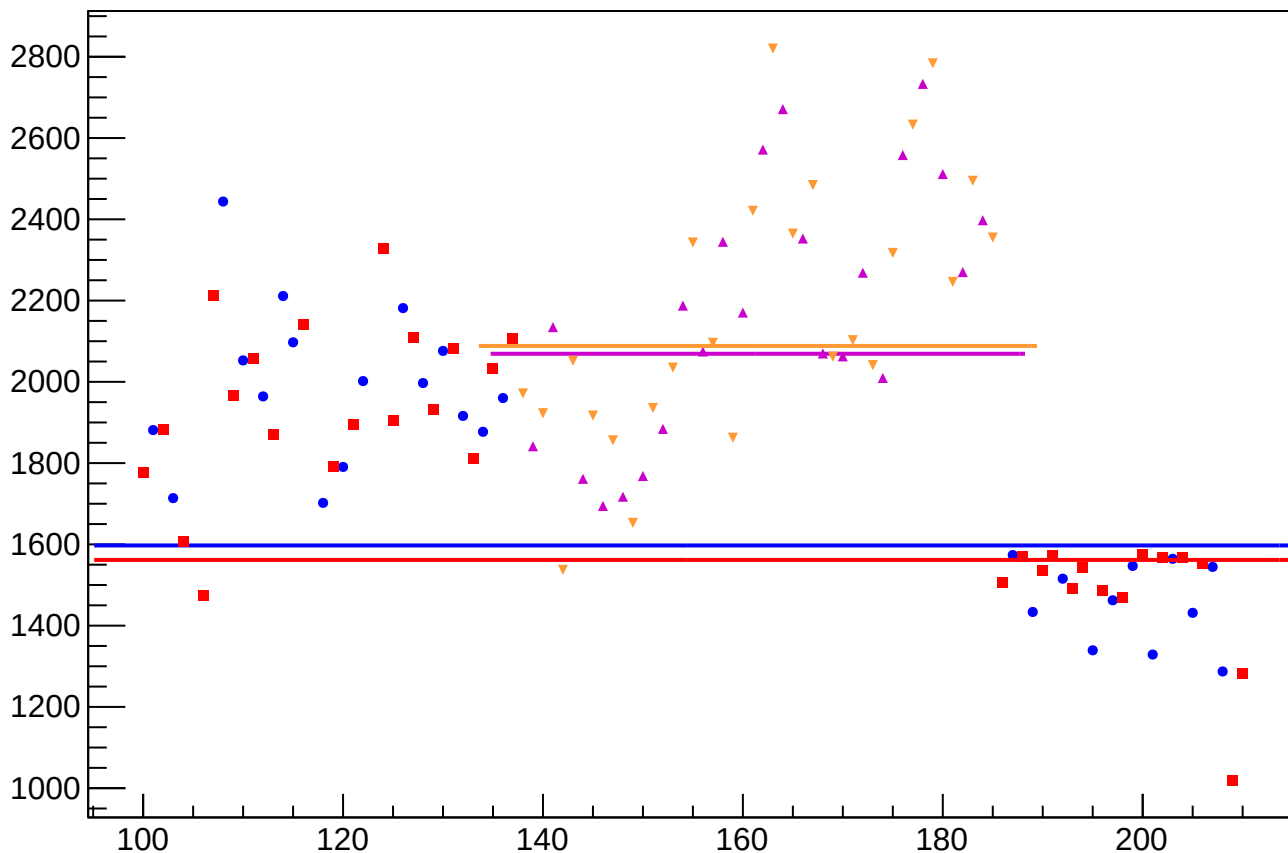
Left In: 28.804 ± 0.491 χ^2/NDF : 3262.5/22

+ sign 23.515 ± 0.311 χ^2/NDF : 4759.2/51

All: 14.850 ± 0.215 χ^2/NDF : 17986.6/107

- sign 6.945 ± 0.297 χ^2/NDF : 11746.2/55

diff_bpm0i01aX_rms vs Slug



Right In: 1597.341 $\pm$ 0.289 χ^2 /NDF: 821031.4/26

Left Out: 2088.353 $\pm$ 0.340 χ^2 /NDF: 787429.8/24

Right Out: 1561.736 $\pm$ 0.264 χ^2 /NDF: 1157031.7/32

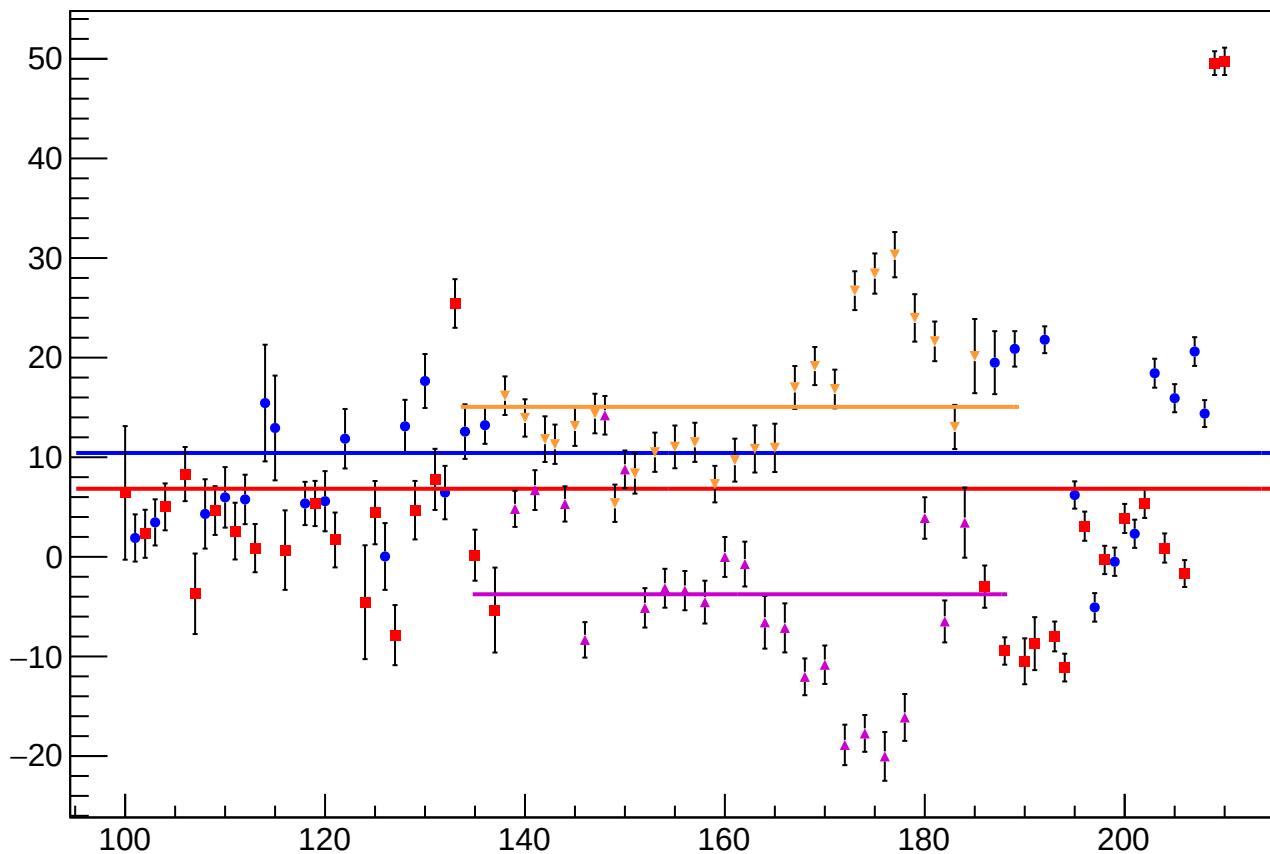
Left In: 2069.116 $\pm$ 0.347 χ^2 /NDF: 711501.5/22

+ sign 1803.677 $\pm$ 0.220 χ^2 /NDF: 2820437.3/51

All: 1774.535 $\pm$ 0.152 χ^2 /NDF: 6075117.7/10

- sign 1747.949 $\pm$ 0.210 χ^2 /NDF: 3221171.4/55

diff_bpm0i01aY_mean vs Slug



Right In: 10.429 ± 0.375 χ^2/NDF : 499.1/26

Left Out: 15.056 ± 0.416 χ^2/NDF : 246.2/24

Right Out: 6.835 ± 0.344 χ^2/NDF : 2994.3/32

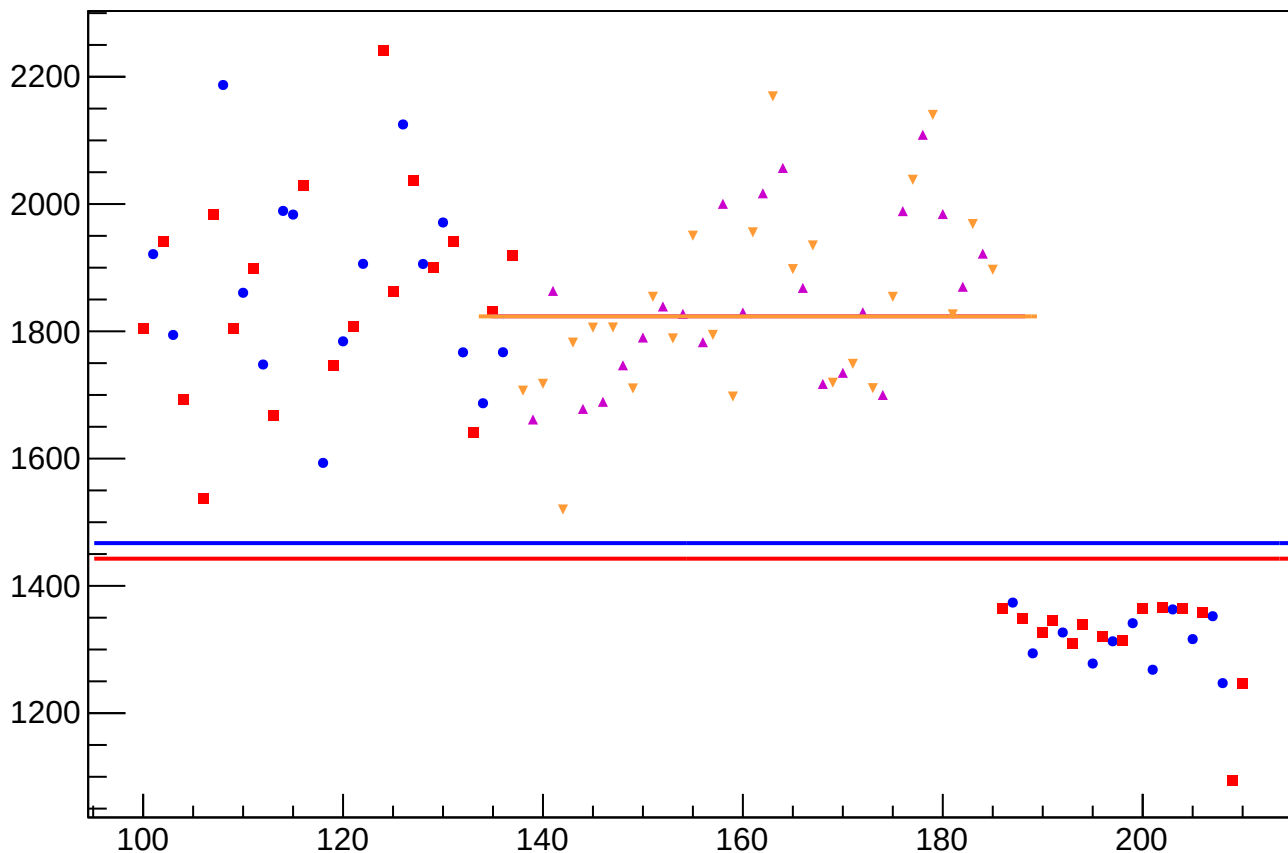
Left In: -3.758 ± 0.428 χ^2/NDF : 459.1/22

+ sign 12.503 ± 0.278 χ^2/NDF : 813.7/51

All: 7.405 ± 0.193 χ^2/NDF : 5286.2/107

- sign 2.677 ± 0.268 χ^2/NDF : 3825.8/55

diff_bpm0i01aY_rms vs Slug



Right In: 1467.175 $\pm$ 0.265 χ^2 /NDF: 912230.0/26

Left Out: 1823.452 $\pm$ 0.294 χ^2 /NDF: 211274.0/24

Right Out: 1442.740 $\pm$ 0.243 χ^2 /NDF: 1028190.8/32

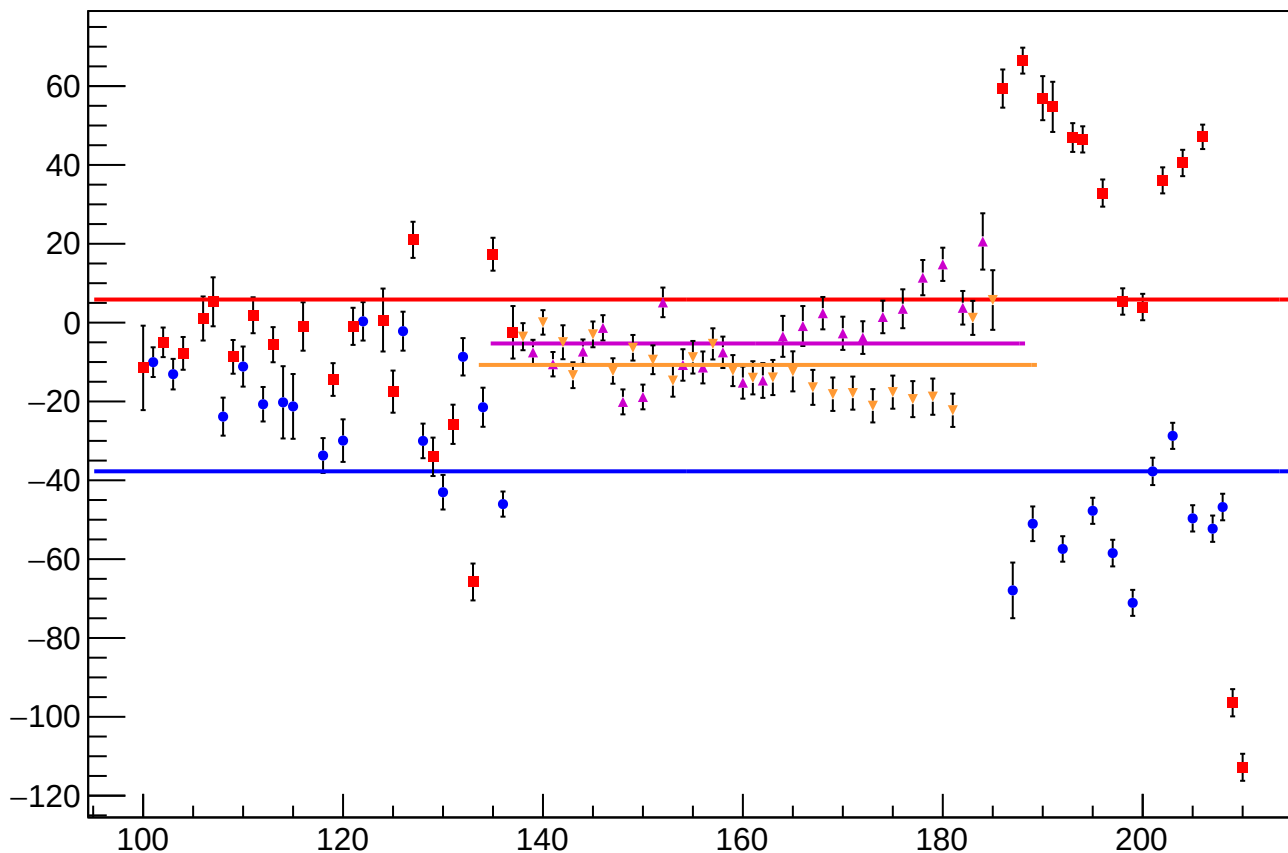
Left In: 1823.627 $\pm$ 0.303 χ^2 /NDF: 163768.2/22

+ sign 1626.872 $\pm$ 0.197 χ^2 /NDF: 1934134.8/51

All: 1608.905 $\pm$ 0.137 χ^2 /NDF: 4105196.0/10

- sign 1592.240 $\pm$ 0.190 χ^2 /NDF: 2154994.7/55

diff_bpm0l01X_mean vs Slug



Right In: -37.721 ± 0.782 χ^2/NDF : 588.6/26

Left Out: -10.732 ± 0.794 χ^2/NDF : 73.8/24

Right Out: 5.859 ± 0.733 χ^2/NDF : 3837.1/32

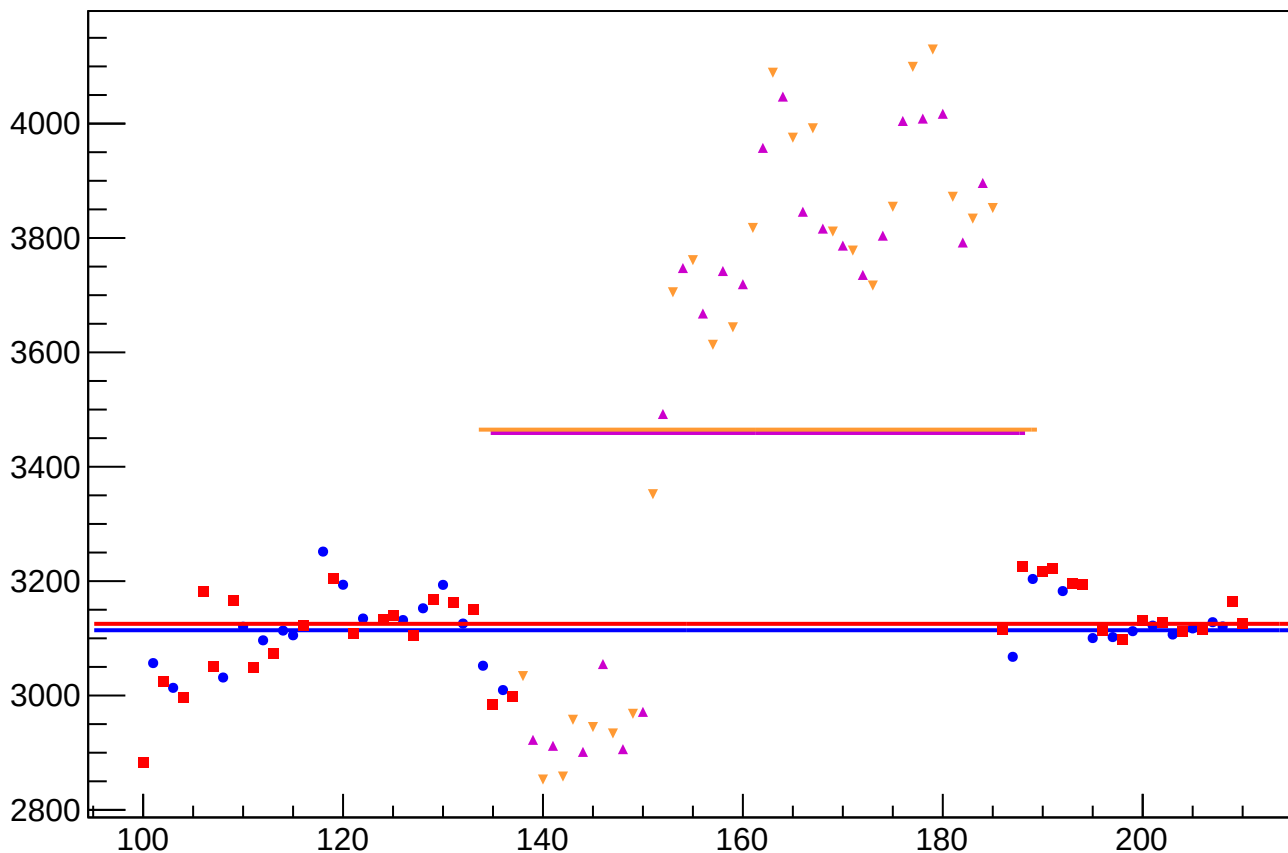
Left In: -5.291 ± 0.814 χ^2/NDF : 133.6/22

+ sign -24.426 ± 0.557 χ^2/NDF : 1248.8/51

All: -11.500 ± 0.390 χ^2/NDF : 6376.2/107

- sign 0.866 ± 0.545 χ^2/NDF : 4074.2/55

diff_bpm0l01X_rms vs Slug



Right In: 3114.138+/-0.553 χ^2/NDF : 10100.0/26

Left Out: 3464.906+/-0.561 χ^2/NDF : 644023.5/24

Right Out: 3125.336+/-0.519 χ^2/NDF : 14951.1/32

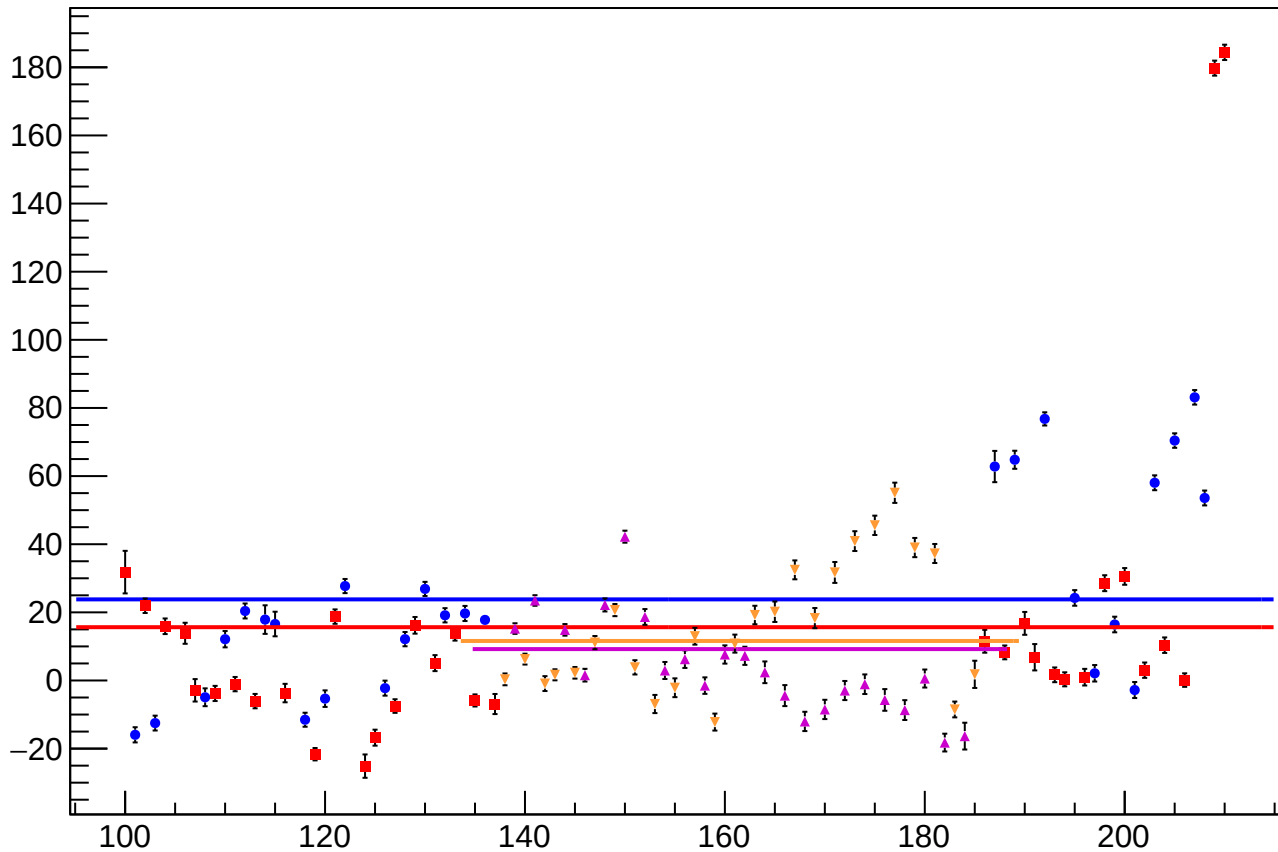
Left In: 3459.050+/-0.576 χ^2/NDF : 583309.1/22

+ sign 3286.934+/-0.394 χ^2/NDF : 852259.4/51

All: 3280.726+/-0.275 χ^2/NDF : 1636471.6/10

- sign 3274.787+/-0.385 χ^2/NDF : 783726.4/55

diff_bpm0l01Y_mean vs Slug



Right In: 23.807 ± 0.428 χ^2/NDF : 4354.7/26

Left Out: 11.599 ± 0.463 χ^2/NDF : 1196.9/24

Right Out: 15.643 ± 0.408 χ^2/NDF : 12922.4/32

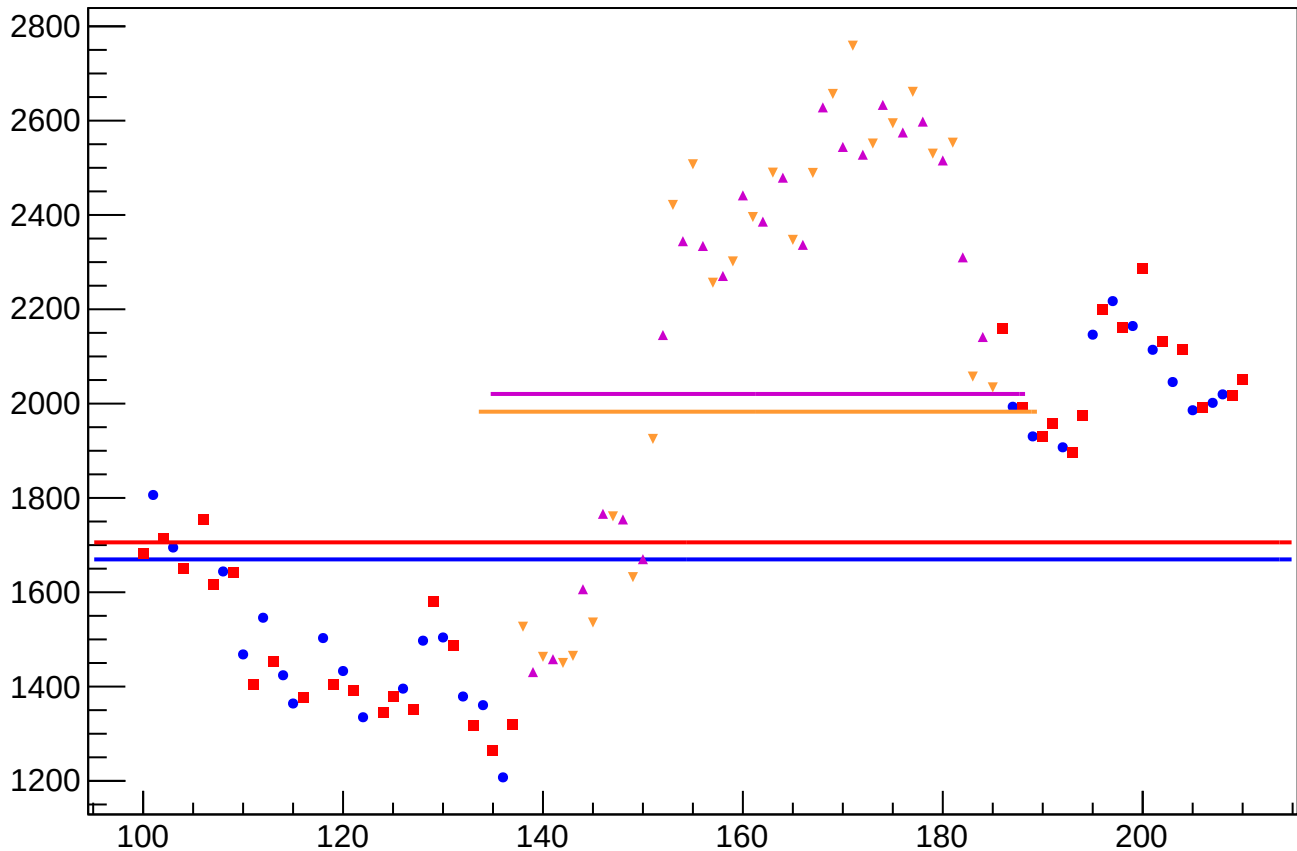
Left In: 9.213 ± 0.484 χ^2/NDF : 940.6/22

+ sign 18.189 ± 0.314 χ^2/NDF : 5926.3/51

All: 15.559 ± 0.221 χ^2/NDF : 20031.4/107

- sign 12.970 ± 0.312 χ^2/NDF : 13966.2/55

diff_bpm0l01Y_rms vs Slug



Right In: 1669.656+/-0.303 χ^2/NDF : 1143319.3/26

Left Out: 1982.871+/-0.328 χ^2/NDF : 1977669.4/24

Right Out: 1705.798+/-0.289 χ^2/NDF : 1263657.5/32

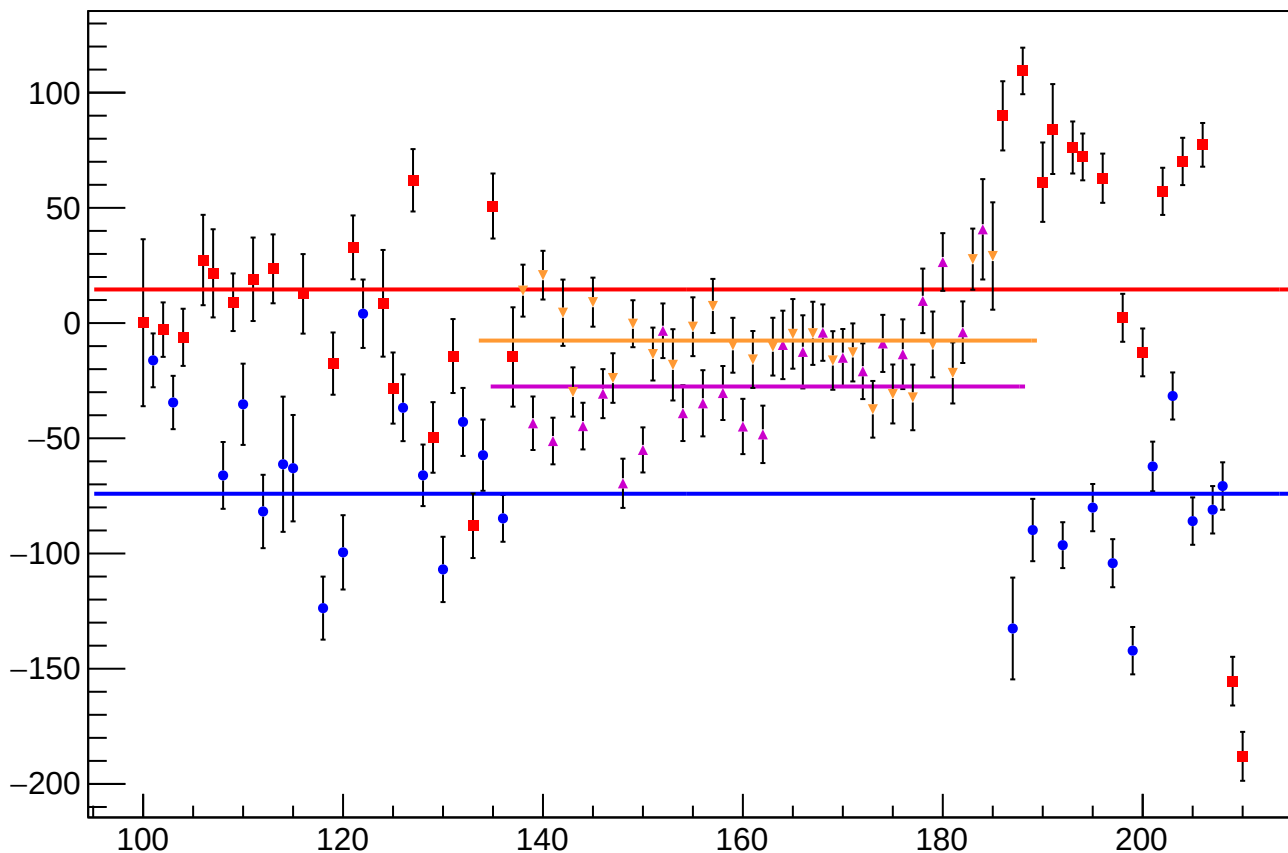
Left In: 2020.468+/-0.342 χ^2/NDF : 1614691.2/22

+ sign 1813.812+/-0.222 χ^2/NDF : 3614126.9/51

All: 1825.295+/-0.157 χ^2/NDF : 6992129.4/10

- sign 1836.600+/-0.221 χ^2/NDF : 3372707.4/55

diff_bpm0l02X_mean vs Slug



Right In: -74.067 ± 2.428 χ^2/NDF : 190.8/26

Left Out: -7.594 ± 2.495 χ^2/NDF : 47.9/24

Right Out: 14.586 ± 2.278 χ^2/NDF : 1054.0/32

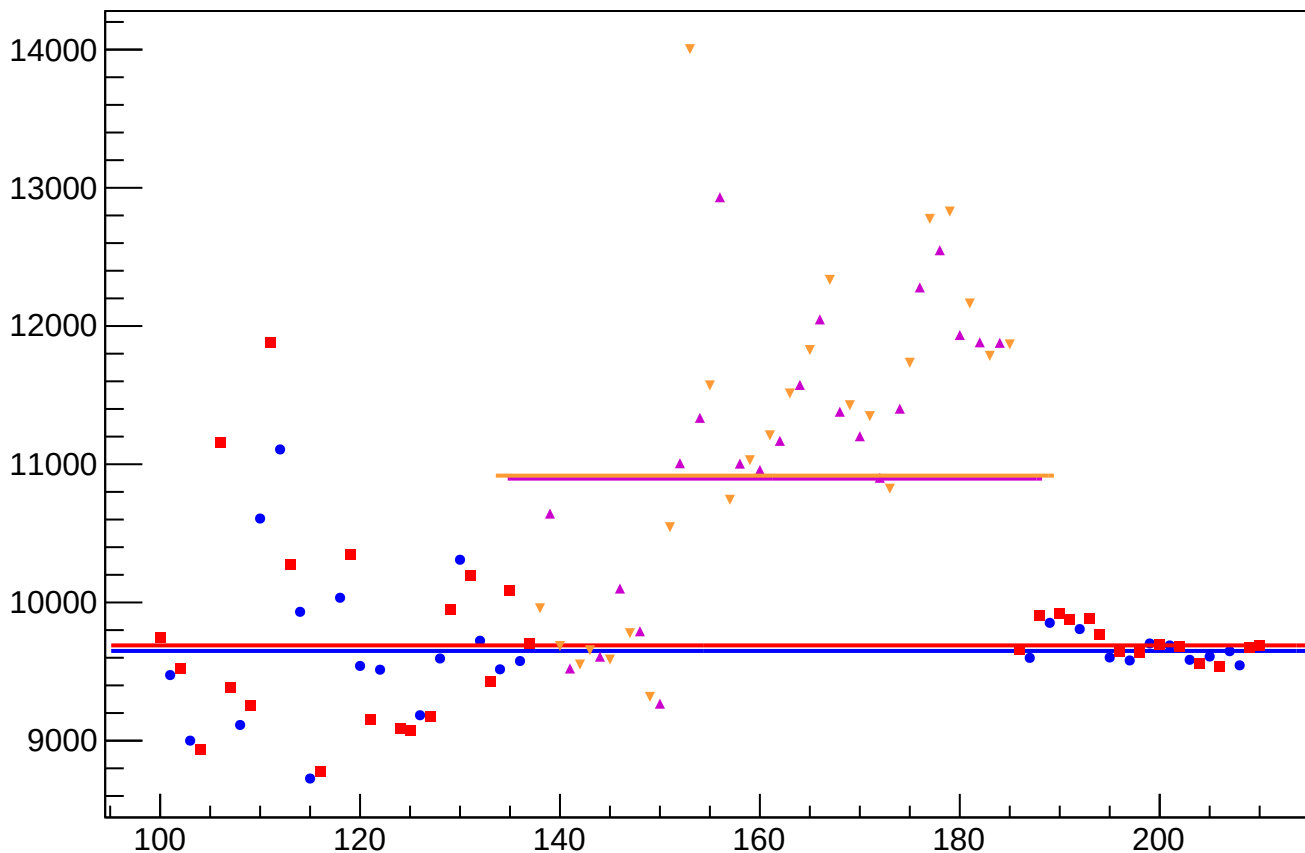
Left In: -27.528 ± 2.556 χ^2/NDF : 93.0/22

+ sign -41.736 ± 1.740 χ^2/NDF : 603.3/51

All: -22.464 ± 1.216 χ^2/NDF : 2141.5/107

- sign -4.052 ± 1.701 χ^2/NDF : 1298.3/55

diff_bpm0l02X_rms vs Slug



Right In: 9649.295+/-1.717 χ^2/NDF : 45599.4/26

Left Out: 10917.711+/-1.764 χ^2/NDF : 425841.1/24

Right Out: 9689.442+/-1.611 χ^2/NDF : 83042.5/32

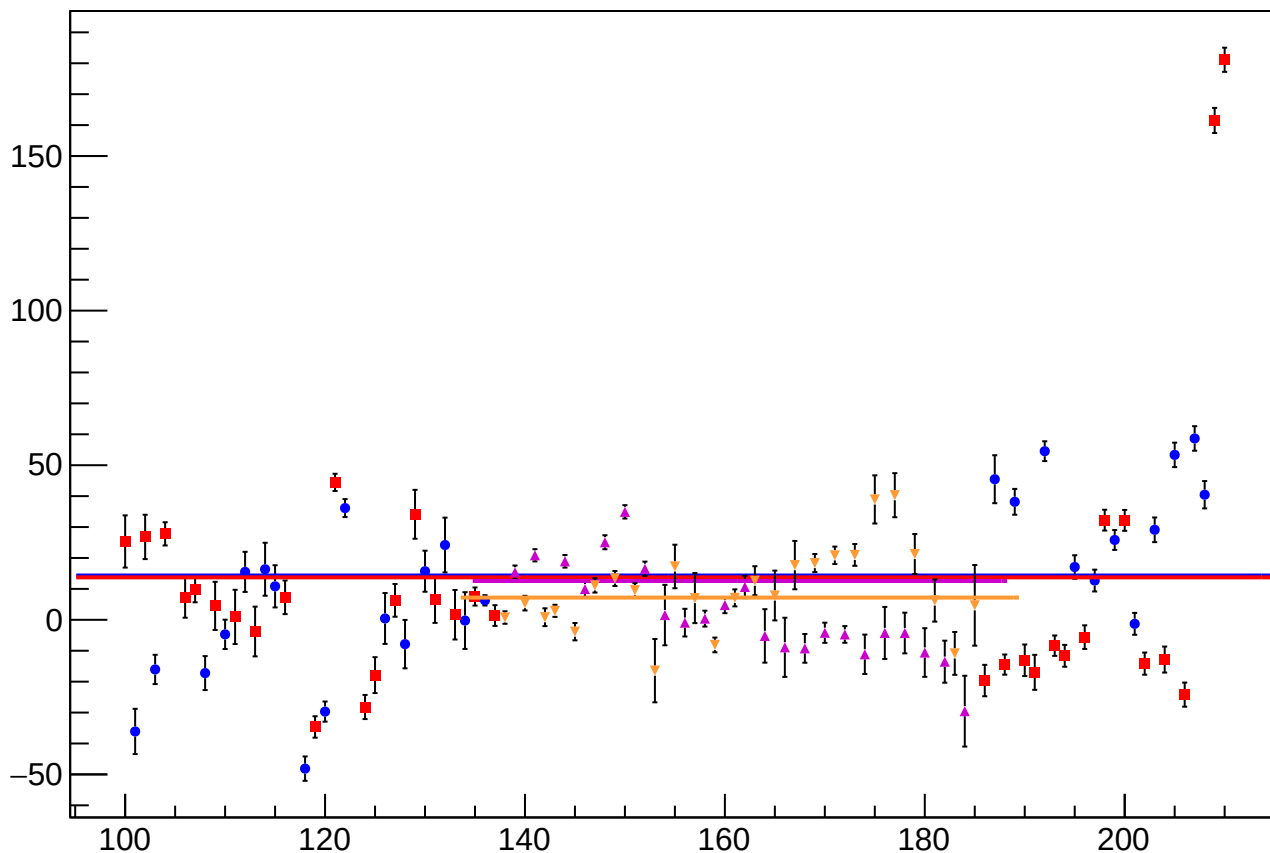
Left In: 10895.992+/-1.808 χ^2/NDF : 298059.2/22

+ sign 10266.223+/-1.230 χ^2/NDF : 736927.0/51

All: 10244.336+/-0.860 χ^2/NDF : 1366975.7/1

- sign 10223.428+/-1.203 χ^2/NDF : 629429.9/55

diff_bpm0l02Y_mean vs Slug



Right In: 14.329 ± 0.778 $\chi^2/\text{NDF}: 1176.8/26$

Left Out: 7.185 ± 0.654 $\chi^2/\text{NDF}: 201.7/24$

Right Out: 13.727 ± 0.743 $\chi^2/\text{NDF}: 4233.3/32$

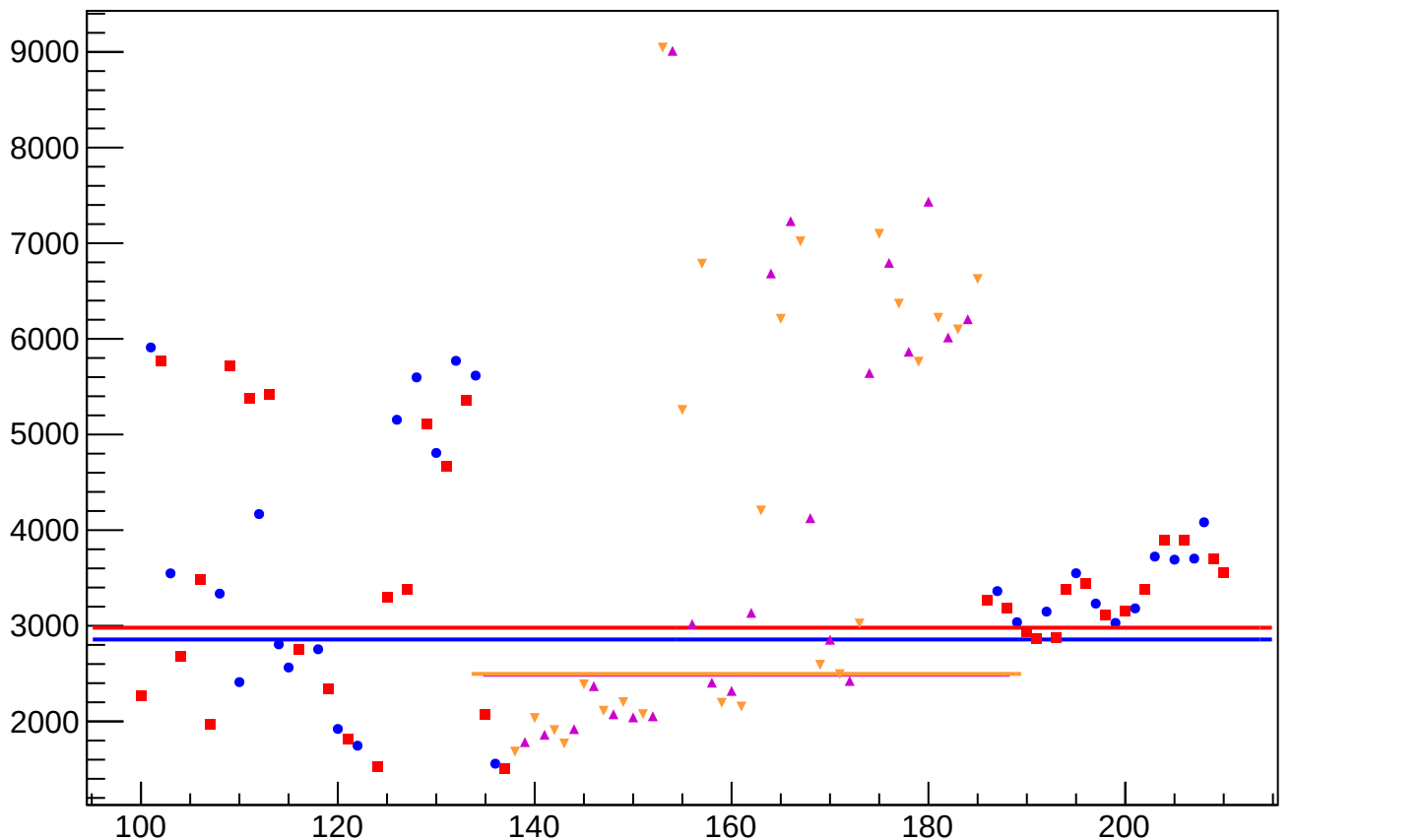
Left In: 12.553 ± 0.661 $\chi^2/\text{NDF}: 372.1/22$

+ sign 10.143 ± 0.500 $\chi^2/\text{NDF}: 1427.9/51$

All: 11.627 ± 0.351 $\chi^2/\text{NDF}: 6052.1/107$

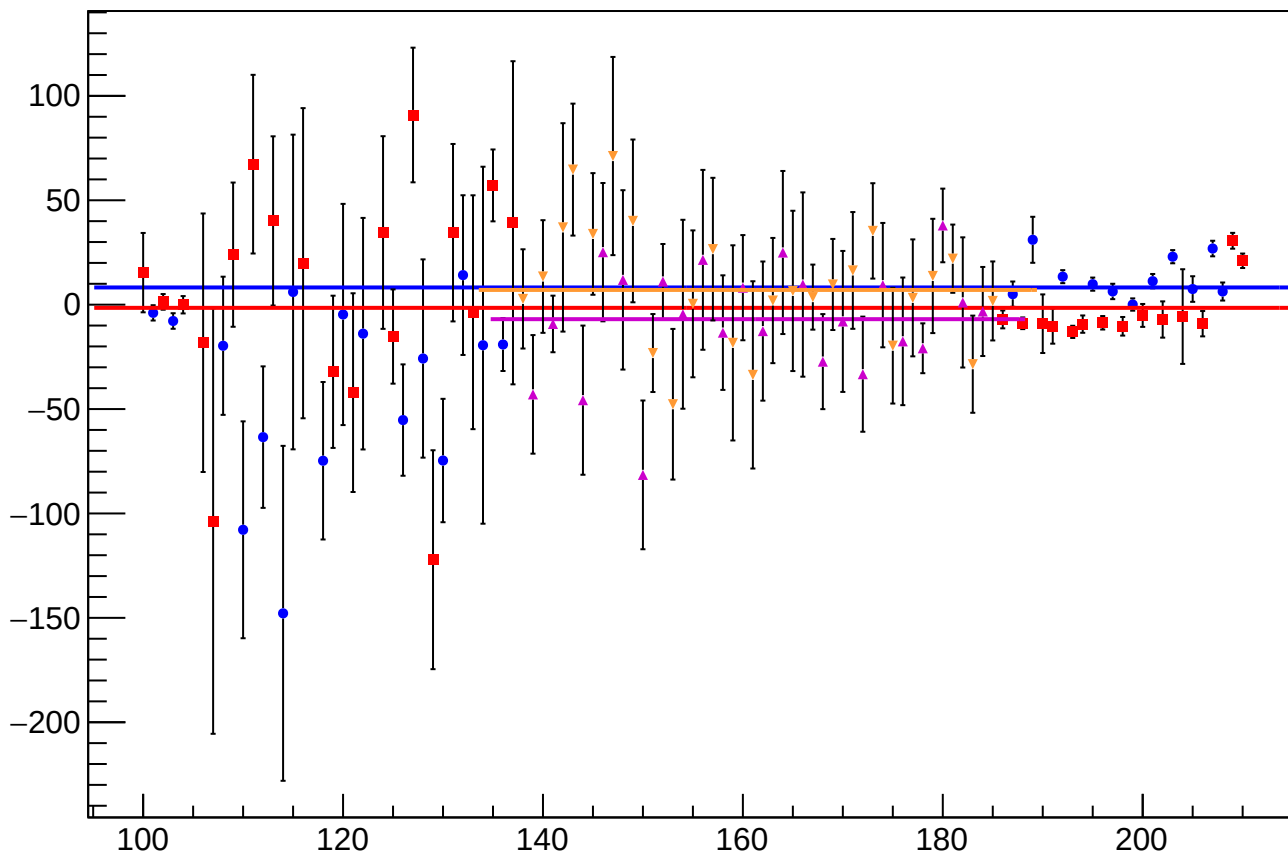
- sign 13.071 ± 0.494 $\chi^2/\text{NDF}: 4606.8/55$

diff_bpm0l02Y_rms vs Slug



Right In: 2856.696 $\pm$ 0.550	χ^2 /NDF: 3720189.6/26	+ sign 2645.817 $\pm$ 0.354	χ^2 /NDF: 11177080.7/51
Left Out: 2496.801 $\pm$ 0.462	χ^2 /NDF: 7205827.8/24	All: 2675.859 $\pm$ 0.248	χ^2 /NDF: 20970768.5/1
Right Out: 2979.874 $\pm$ 0.525	χ^2 /NDF: 3185594.2/32	- sign 2705.093 $\pm$ 0.349	χ^2 /NDF: 9779460.4/55
Left In: 2487.721 $\pm$ 0.467	χ^2 /NDF: 6103466.5/22		

diff_bpm0l03X_mean vs Slug



Right In: 8.245 ± 1.040 χ^2/NDF : 130.7/26

Left Out: 7.059 ± 5.227 χ^2/NDF : 19.6/24

Right Out: -1.523 ± 1.057 χ^2/NDF : 189.8/32

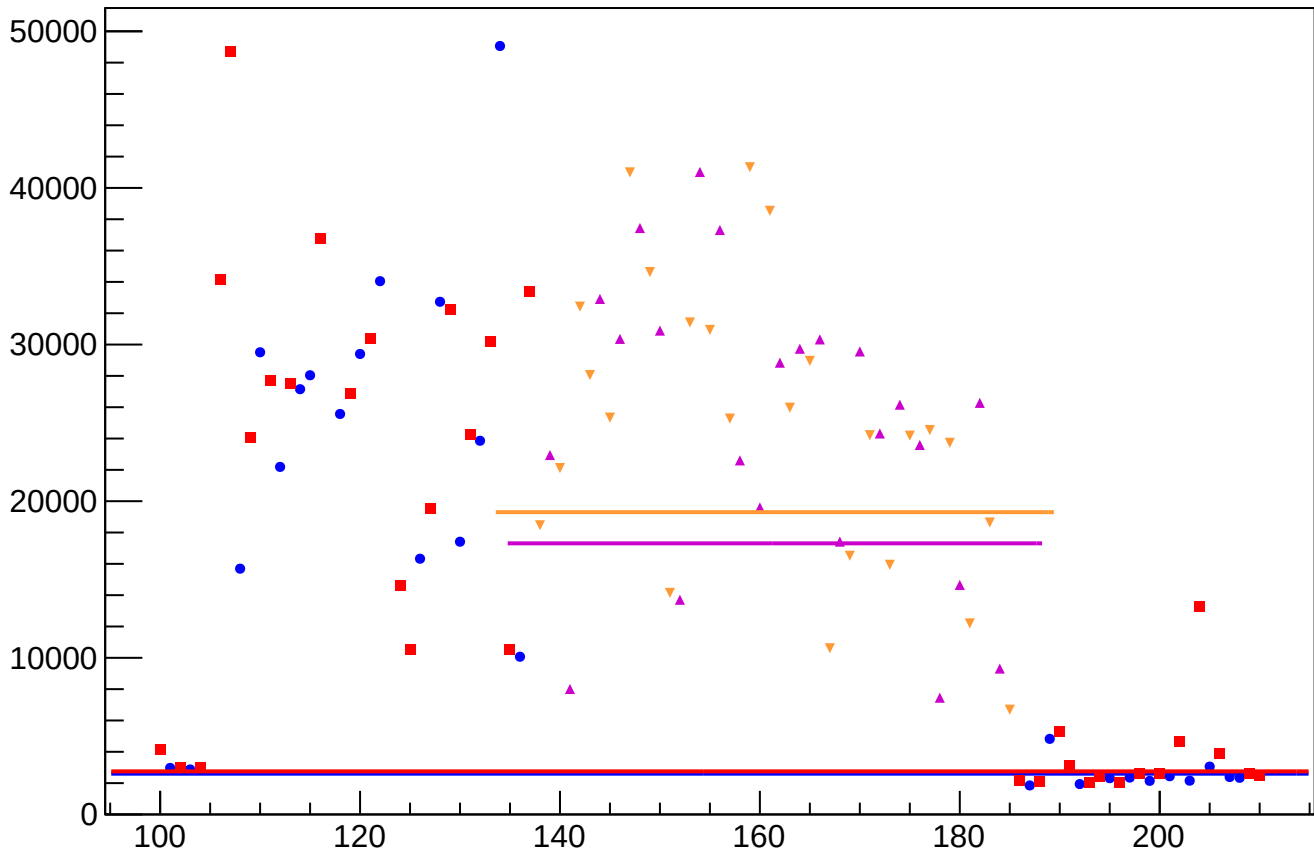
Left In: -6.944 ± 5.090 χ^2/NDF : 21.1/22

+ sign 8.200 ± 1.020 χ^2/NDF : 150.3/51

All: 3.300 ± 0.727 χ^2/NDF : 409.2/107

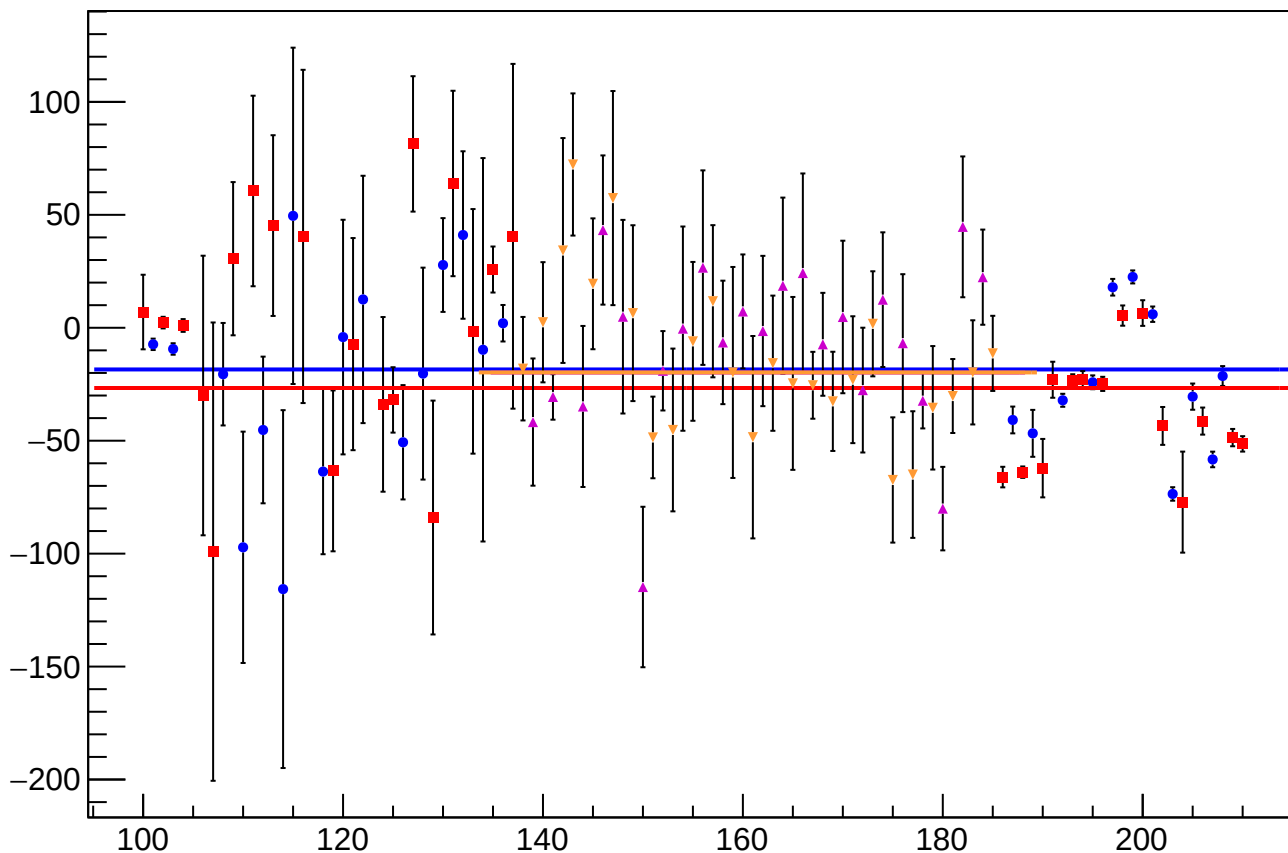
- sign -1.747 ± 1.035 χ^2/NDF : 212.0/55

diff_bpm0l03X_rms vs Slug



Right In: 2604.007+/-0.735	χ^2/NDF : 7944713.4/26	+ sign 3239.566+/-0.721	χ^2/NDF : 32605299.8/51
Left Out: 19299.351+/-3.696	χ^2/NDF : 5037014.9/24	All: 3295.524+/-0.514	χ^2/NDF : 64438274.6/32
Right Out: 2751.162+/-0.748	χ^2/NDF : 9419939.6/32	- sign 3353.166+/-0.732	χ^2/NDF : 31820753.3/55
Left In: 17309.081+/-3.600	χ^2/NDF : 6719993.9/22		

diff_bpm0l03Y_mean vs Slug



Right In: -18.453 ± 0.928 χ^2/NDF : 932.2/26

Left Out: -19.769 ± 5.117 χ^2/NDF : 27.8/24

Right Out: -26.664 ± 0.948 χ^2/NDF : 774.7/32

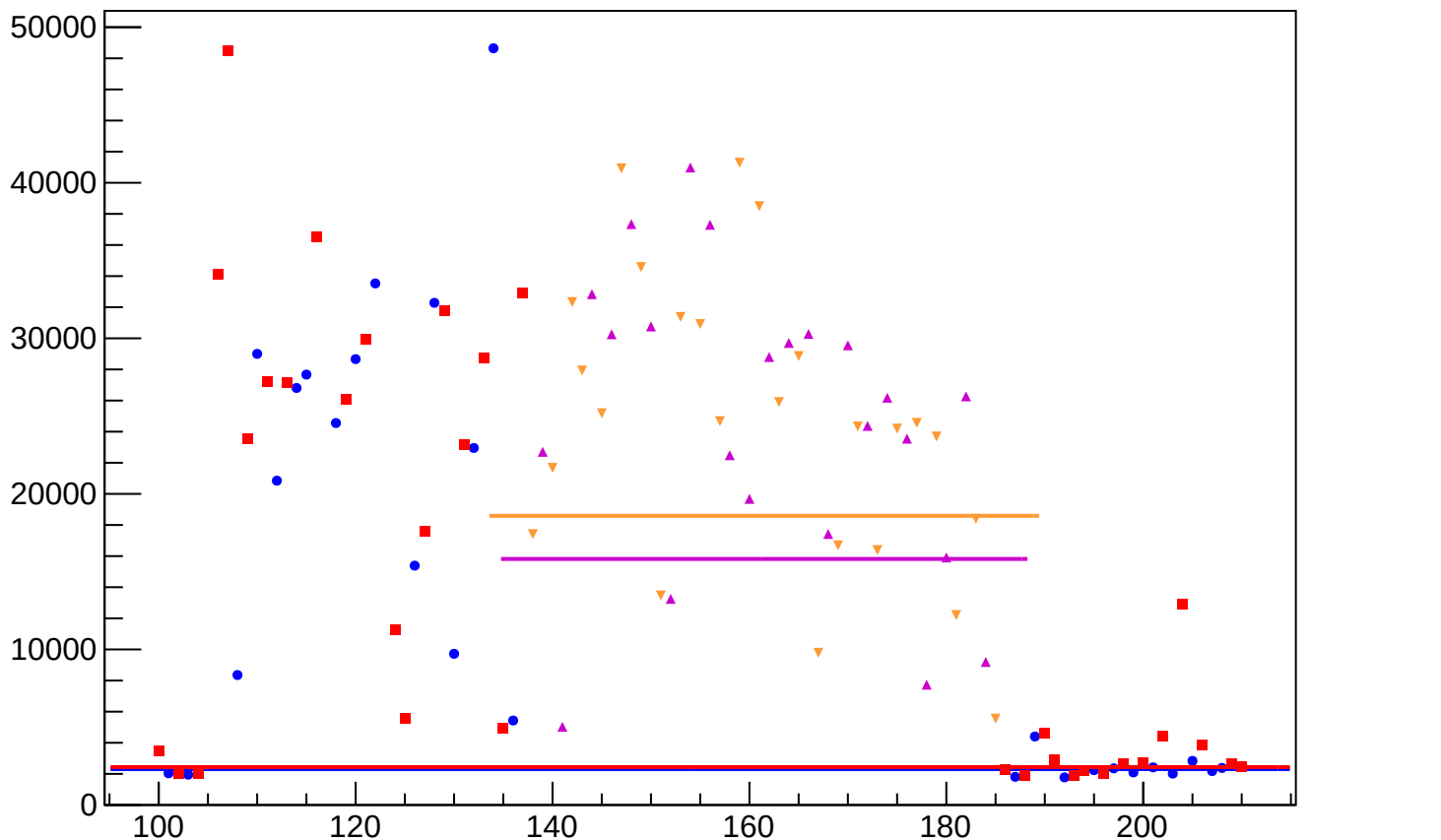
Left In: -19.822 ± 4.846 χ^2/NDF : 40.3/22

+ sign -18.495 ± 0.913 χ^2/NDF : 960.0/51

All: -22.379 ± 0.652 χ^2/NDF : 1813.8/107

- sign -26.412 ± 0.931 χ^2/NDF : 816.9/55

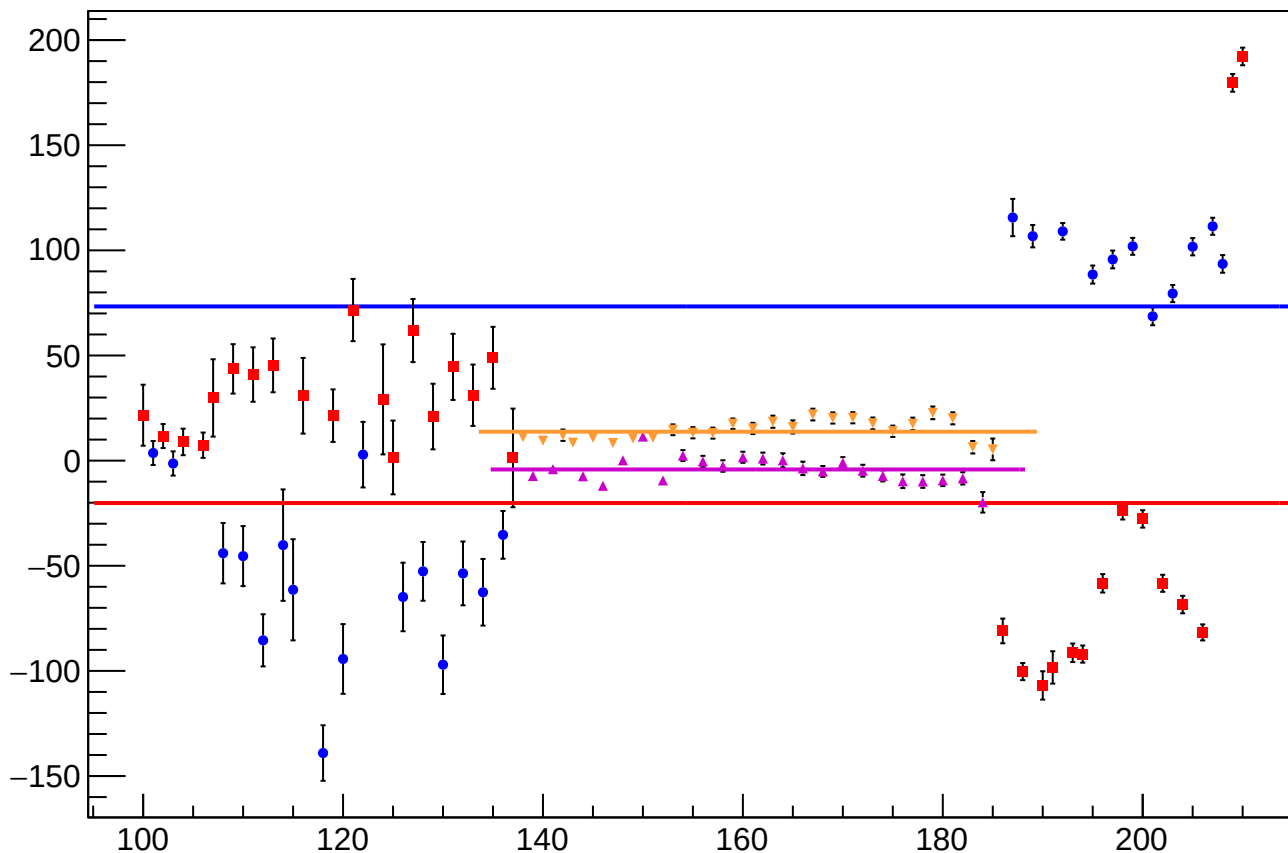
diff_bpm0l03Y_rms vs Slug



Right In: 2311.785 ± 0.656 $\chi^2/\text{NDF}: 7067126.3/26$
 Left Out: 18589.195 ± 3.618 $\chi^2/\text{NDF}: 5698567.3/24$
 Right Out: 2437.571 ± 0.671 $\chi^2/\text{NDF}: 9016514.7/32$
 Left In: 15817.655 ± 3.426 $\chi^2/\text{NDF}: 8406830.8/22$

+ sign 2830.521 ± 0.646 $\chi^2/\text{NDF}: 32360985.9/51$
 All: 2879.953 ± 0.461 $\chi^2/\text{NDF}: 64483106.0/1$
 - sign 2931.284 ± 0.658 $\chi^2/\text{NDF}: 32110180.0/55$

diff_bpm0l04X_mean vs Slug



Right In: 73.333 ± 1.196 χ^2/NDF : 1982.5/26

Left Out: 13.761 ± 0.514 χ^2/NDF : 77.2/24

Right Out: -20.162 ± 1.077 χ^2/NDF : 7045.4/32

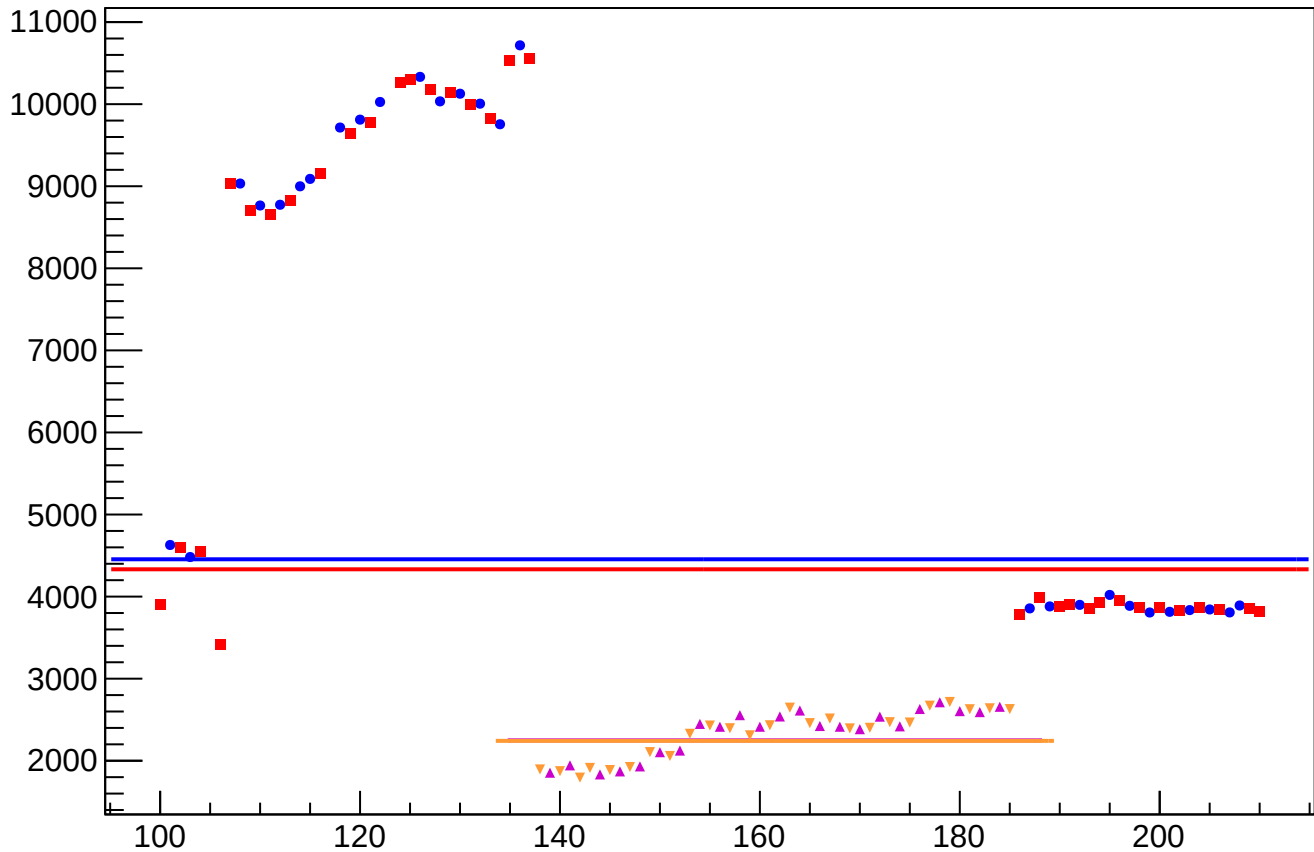
Left In: -4.202 ± 0.530 χ^2/NDF : 123.9/22

+ sign 23.050 ± 0.472 χ^2/NDF : 4154.1/51

All: 7.975 ± 0.335 χ^2/NDF : 13552.8/107

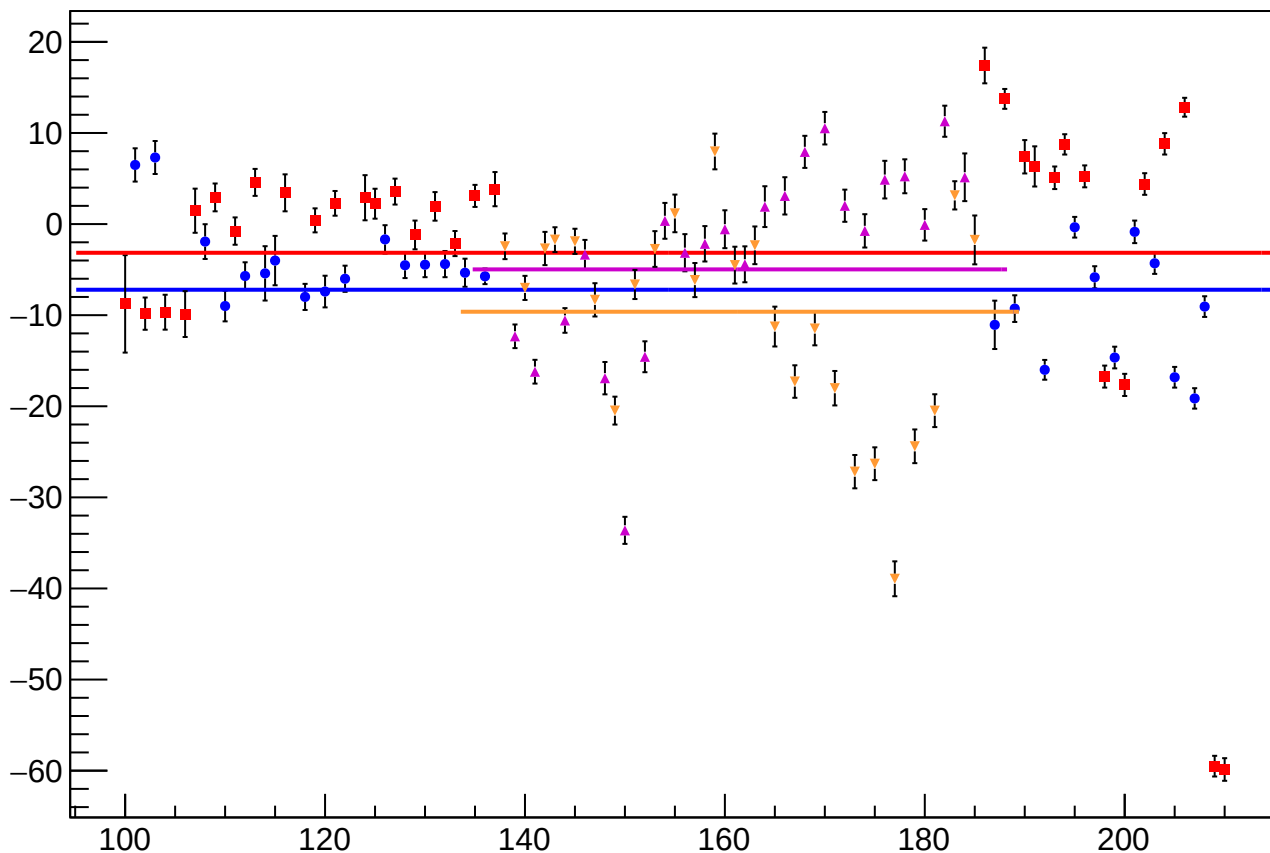
- sign -7.315 ± 0.476 χ^2/NDF : 7346.1/55

diff_bpm0l04X_rms vs Slug



Right In: 4454.730+/-0.846	χ^2/NDF : 3957606.1/26	+ sign 2587.295+/-0.334	χ^2/NDF : 10392813.4/51
Left Out: 2242.334+/-0.363	χ^2/NDF : 657865.5/24	All: 2620.896+/-0.237	χ^2/NDF : 21045716.8/51
Right Out: 4332.619+/-0.762	χ^2/NDF : 3961587.9/32	- sign 2654.974+/-0.336	χ^2/NDF : 10632508.6/55
Left In: 2248.582+/-0.375	χ^2/NDF : 642255.3/22		

diff_bpm0l04Y_mean vs Slug



Right In: -7.208 ± 0.265 χ^2/NDF : 527.9/26

Left Out: -9.622 ± 0.349 χ^2/NDF : 934.3/24

Right Out: -3.151 ± 0.251 χ^2/NDF : 6017.0/32

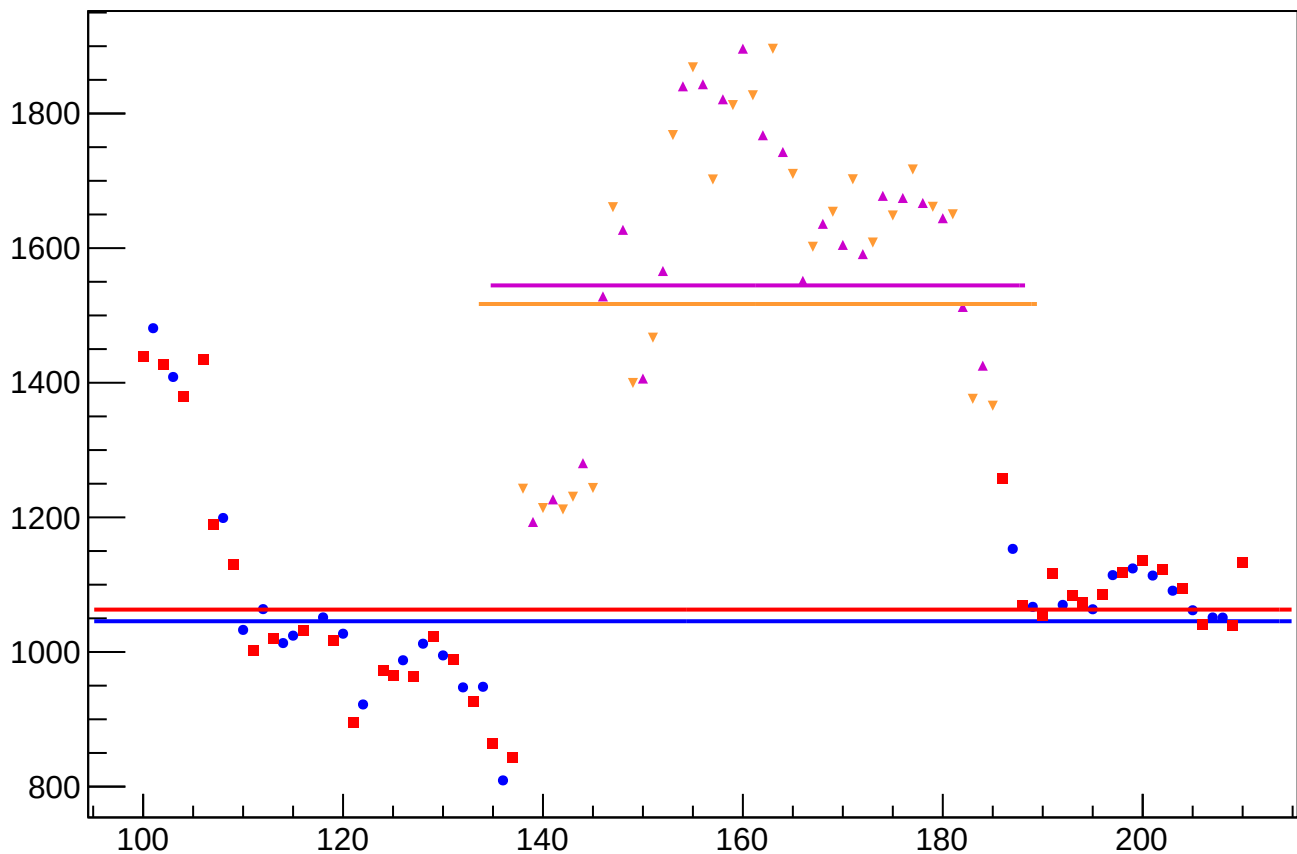
Left In: -4.974 ± 0.365 χ^2/NDF : 929.8/22

+ sign -8.088 ± 0.211 χ^2/NDF : 1492.5/51

All: -5.870 ± 0.148 χ^2/NDF : 8673.5/107

- sign -3.737 ± 0.207 χ^2/NDF : 6963.8/55

diff_bpm0l04Y_rms vs Slug



Right In: 1045.693 $\pm$ 0.187 χ^2 /NDF: 428240.3/26

Left Out: 1517.008 $\pm$ 0.247 χ^2 /NDF: 832983.9/24

Right Out: 1062.995 $\pm$ 0.177 χ^2 /NDF: 414102.8/32

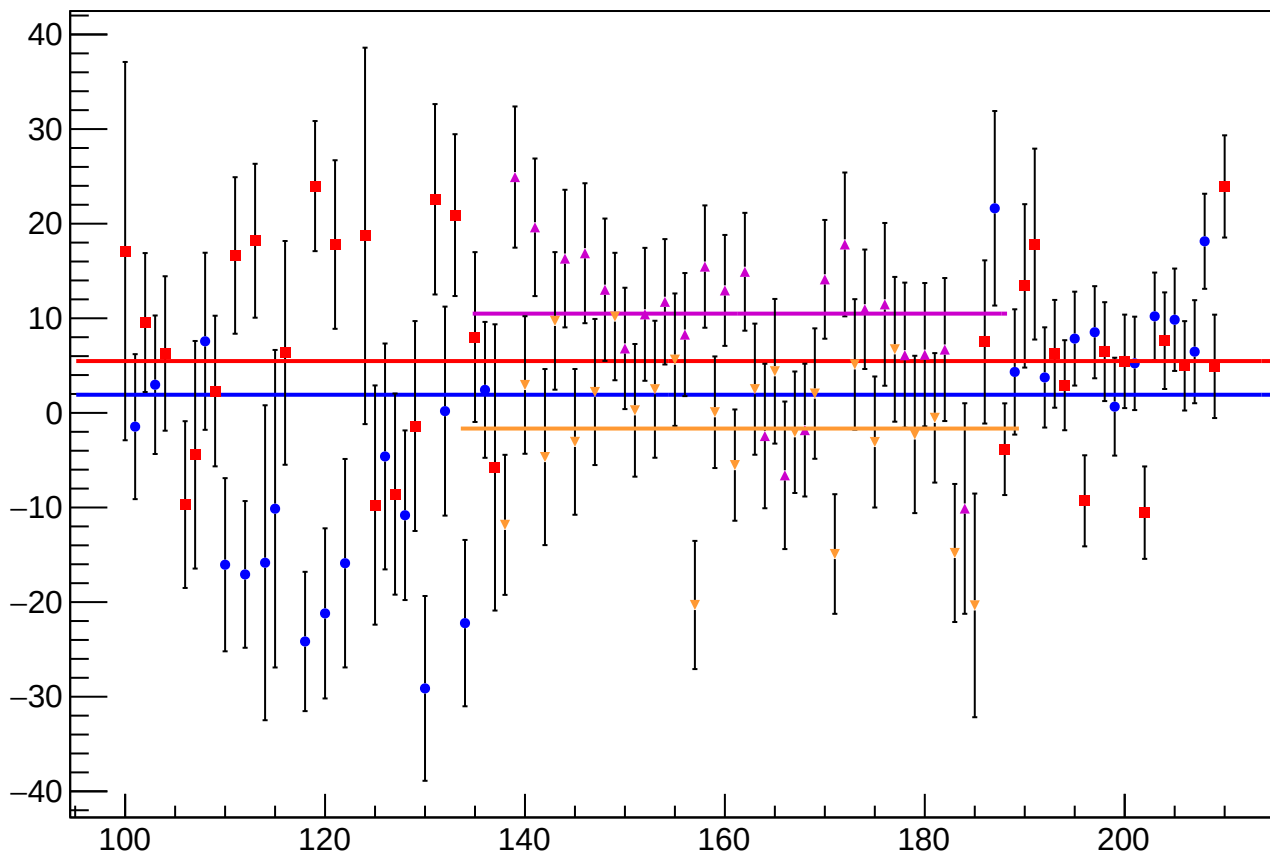
Left In: 1544.620 $\pm$ 0.258 χ^2 /NDF: 638659.4/22

+ sign 1217.623 $\pm$ 0.149 χ^2 /NDF: 3576817.5/51

All: 1217.718 $\pm$ 0.104 χ^2 /NDF: 6997505.0/10

- sign 1217.810 $\pm$ 0.146 χ^2 /NDF: 3420686.7/55

diff_bpm0l05X_mean vs Slug



Right In: 1.917 ± 1.318 $\chi^2/\text{NDF}: 78.0/26$

Left Out: -1.655 ± 1.426 $\chi^2/\text{NDF}: 31.5/24$

Right Out: 5.479 ± 1.216 $\chi^2/\text{NDF}: 67.2/32$

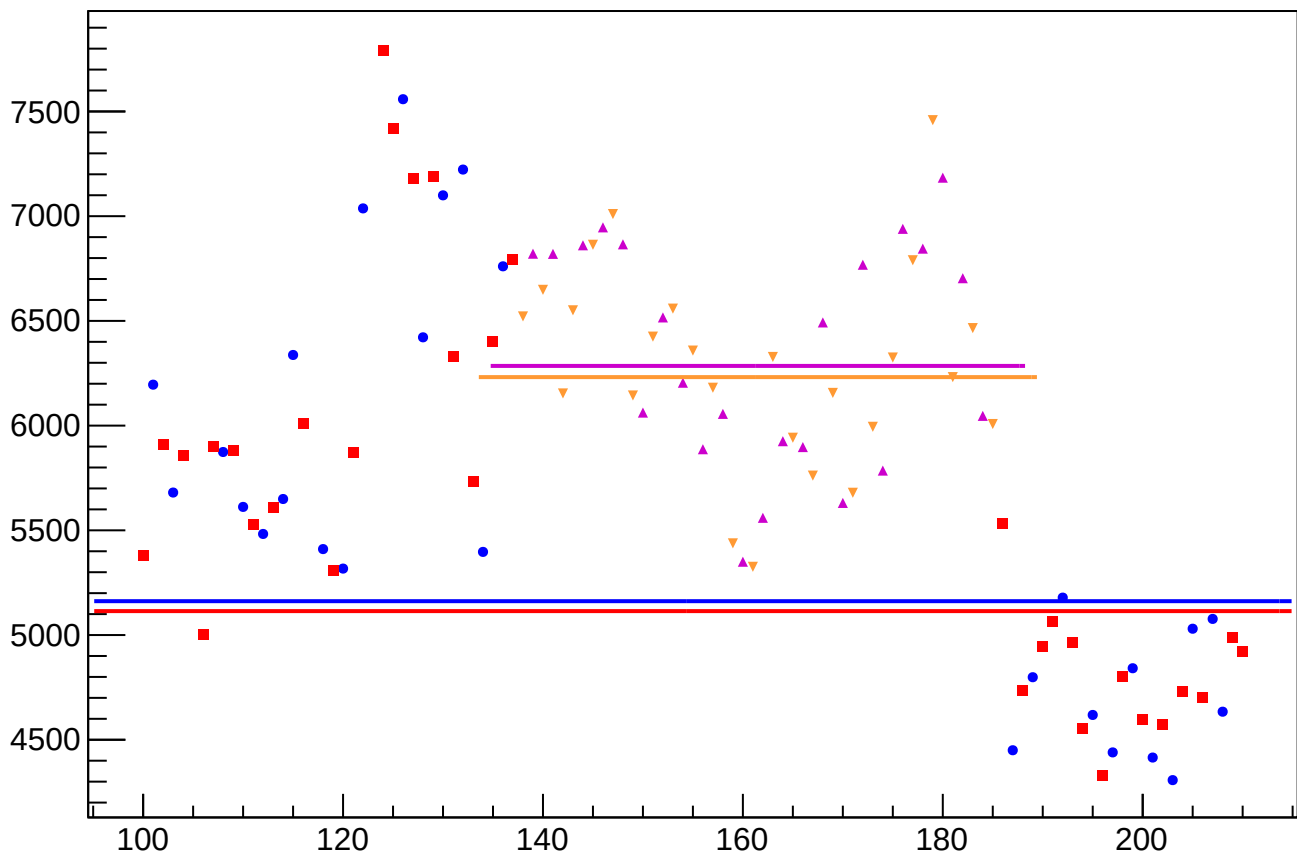
Left In: 10.492 ± 1.480 $\chi^2/\text{NDF}: 24.9/22$

+ sign 0.272 ± 0.968 $\chi^2/\text{NDF}: 112.9/51$

All: 3.994 ± 0.674 $\chi^2/\text{NDF}: 240.5/107$

- sign 7.500 ± 0.940 $\chi^2/\text{NDF}: 98.9/55$

diff_bpm0l05X_rms vs Slug



Right In: 5161.706 $\pm$ 0.932 χ^2 /NDF: 736773.1/26

Left Out: 6231.572 $\pm$ 1.009 χ^2 /NDF: 226959.2/24

Right Out: 5114.272 $\pm$ 0.860 χ^2 /NDF: 645616.2/32

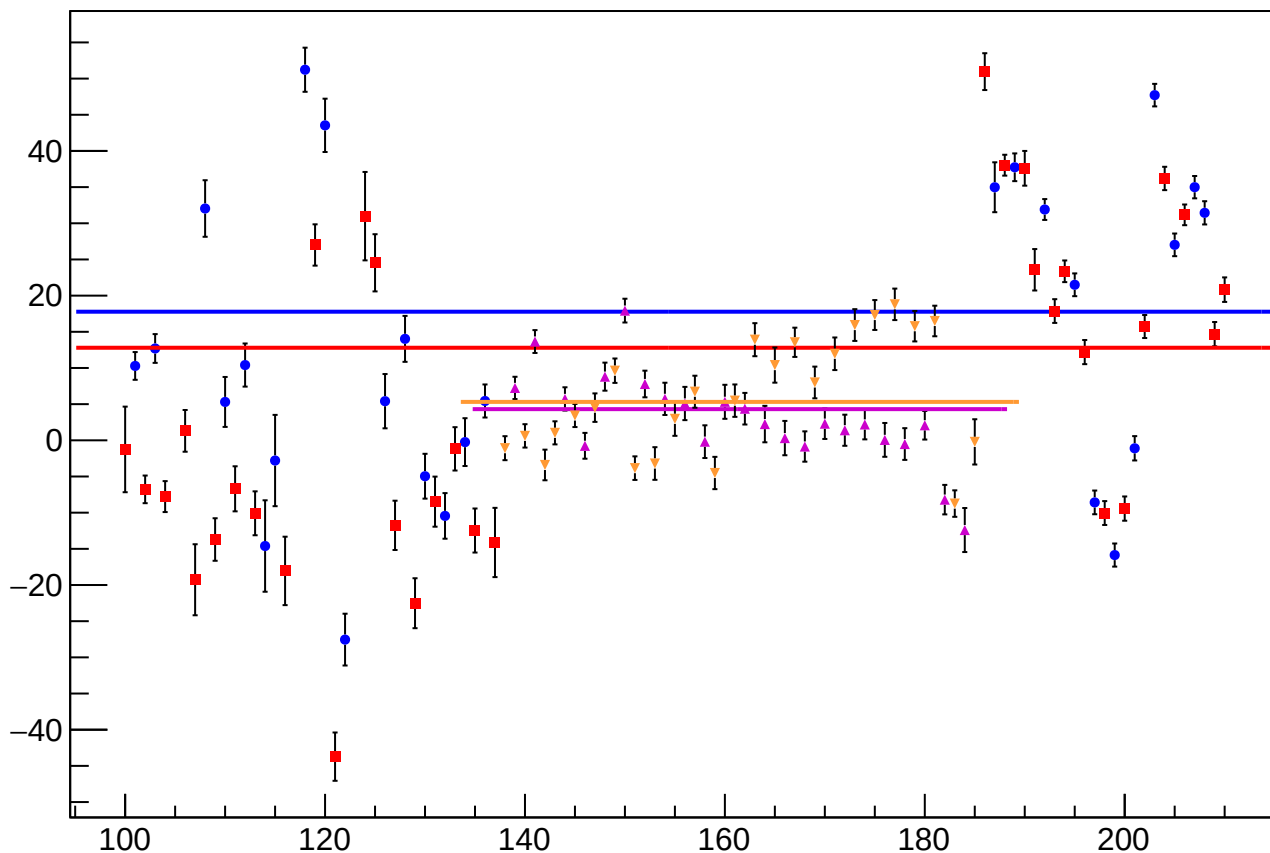
Left In: 6285.058 $\pm$ 1.046 χ^2 /NDF: 265370.2/22

+ sign 5654.458 $\pm$ 0.684 χ^2 /NDF: 1570753.7/51

All: 5619.367 $\pm$ 0.477 χ^2 /NDF: 3234100.8/10

- sign 5586.305 $\pm$ 0.664 χ^2 /NDF: 1658242.1/55

diff_bpm0l05Y_mean vs Slug



Right In: 17.779 ± 0.417 χ^2/NDF : 2290.6/26

Left Out: 5.313 ± 0.400 χ^2/NDF : 378.1/24

Right Out: 12.796 ± 0.387 χ^2/NDF : 2609.2/32

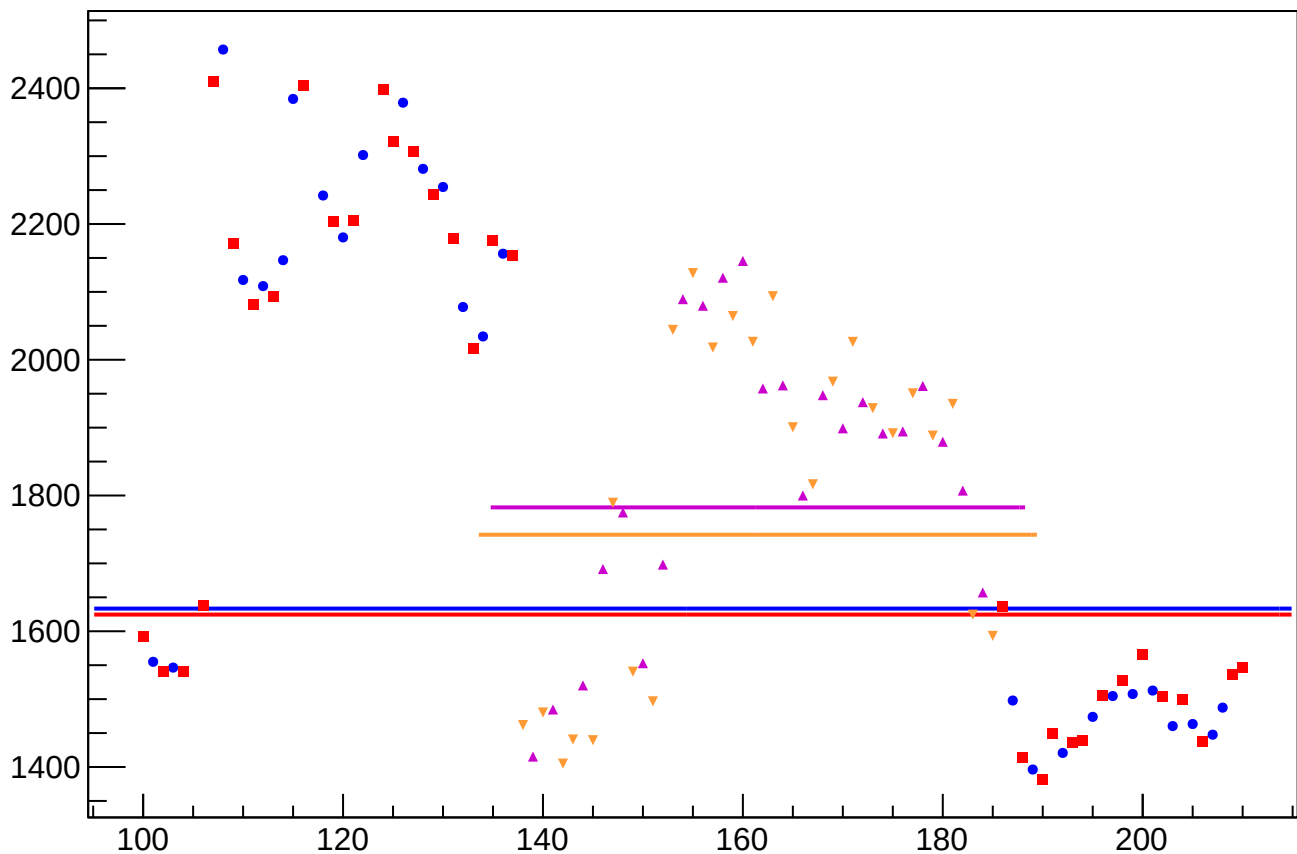
Left In: 4.310 ± 0.420 χ^2/NDF : 220.4/22

+ sign 11.287 ± 0.289 χ^2/NDF : 3133.3/51

All: 10.076 ± 0.203 χ^2/NDF : 6218.3/107

- sign 8.901 ± 0.285 χ^2/NDF : 3050.4/55

diff_bpm0l05Y_rms vs Slug



Right In: 1633.386 $\pm$ 0.295 χ^2 /NDF: 1064212.6/26

Left Out: 1742.217 $\pm$ 0.283 χ^2 /NDF: 767663.9/24

Right Out: 1624.570 $\pm$ 0.274 χ^2 /NDF: 1044625.5/32

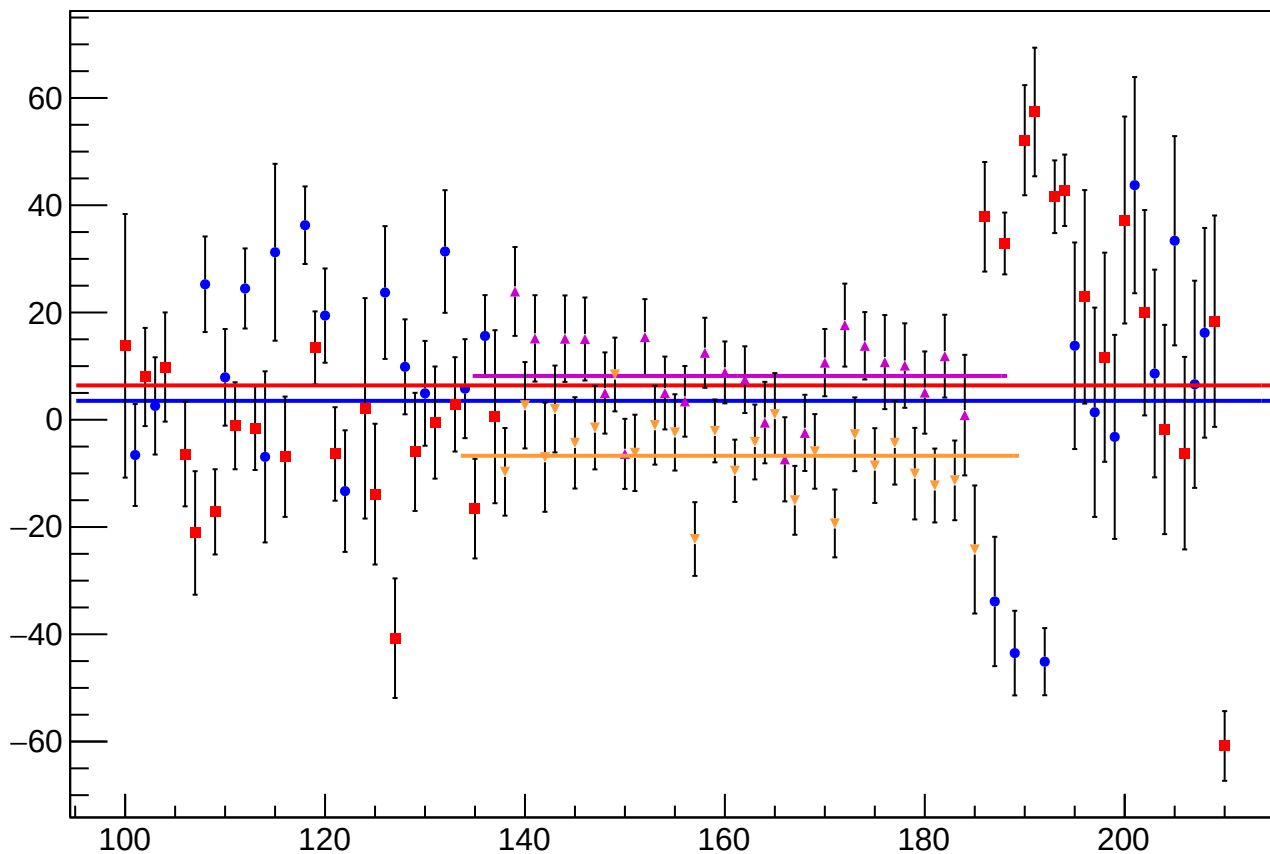
Left In: 1782.502 $\pm$ 0.297 χ^2 /NDF: 534374.9/22

+ sign 1690.062 $\pm$ 0.204 χ^2 /NDF: 1902703.2/51

All: 1693.617 $\pm$ 0.143 χ^2 /NDF: 3635221.6/10

- sign 1697.067 $\pm$ 0.201 χ^2 /NDF: 1731921.8/55

diff_bpm0l06X_mean vs Slug



Right In: 3.526 ± 2.002 χ^2/NDF : 168.9/26

Left Out: -6.713 ± 1.458 χ^2/NDF : 25.7/24

Right Out: 6.405 ± 1.724 χ^2/NDF : 288.7/32

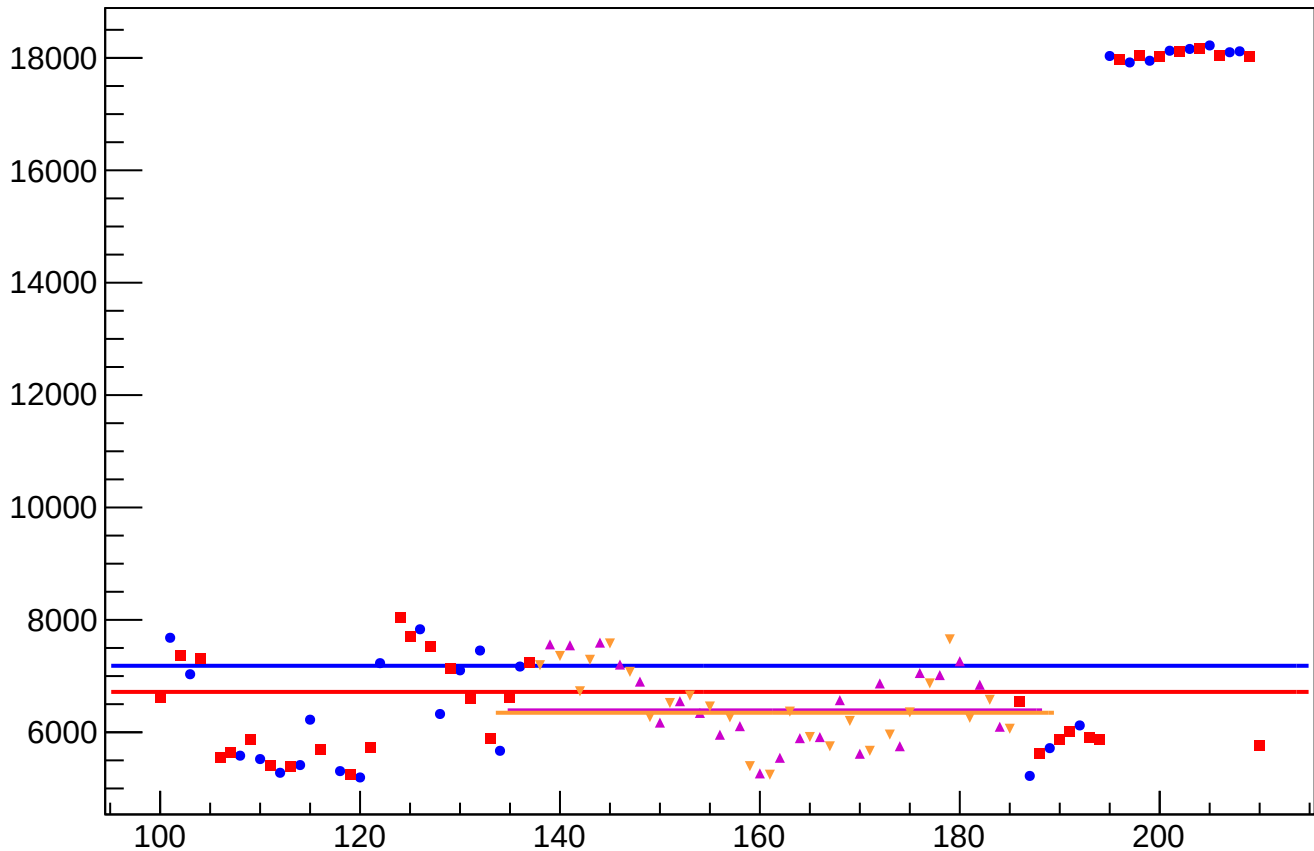
Left In: 8.171 ± 1.510 χ^2/NDF : 24.2/22

+ sign -3.165 ± 1.178 χ^2/NDF : 211.7/51

All: 2.314 ± 0.818 χ^2/NDF : 566.8/107

- sign 7.404 ± 1.136 χ^2/NDF : 313.4/55

diff_bpm0l06X_rms vs Slug



Right In: 7183.088+/-1.416 χ^2/NDF : 5812493.4/26

Left Out: 6347.287+/-1.031 χ^2/NDF : 386025.6/24

Right Out: 6718.254+/-1.219 χ^2/NDF : 5433153.7/32

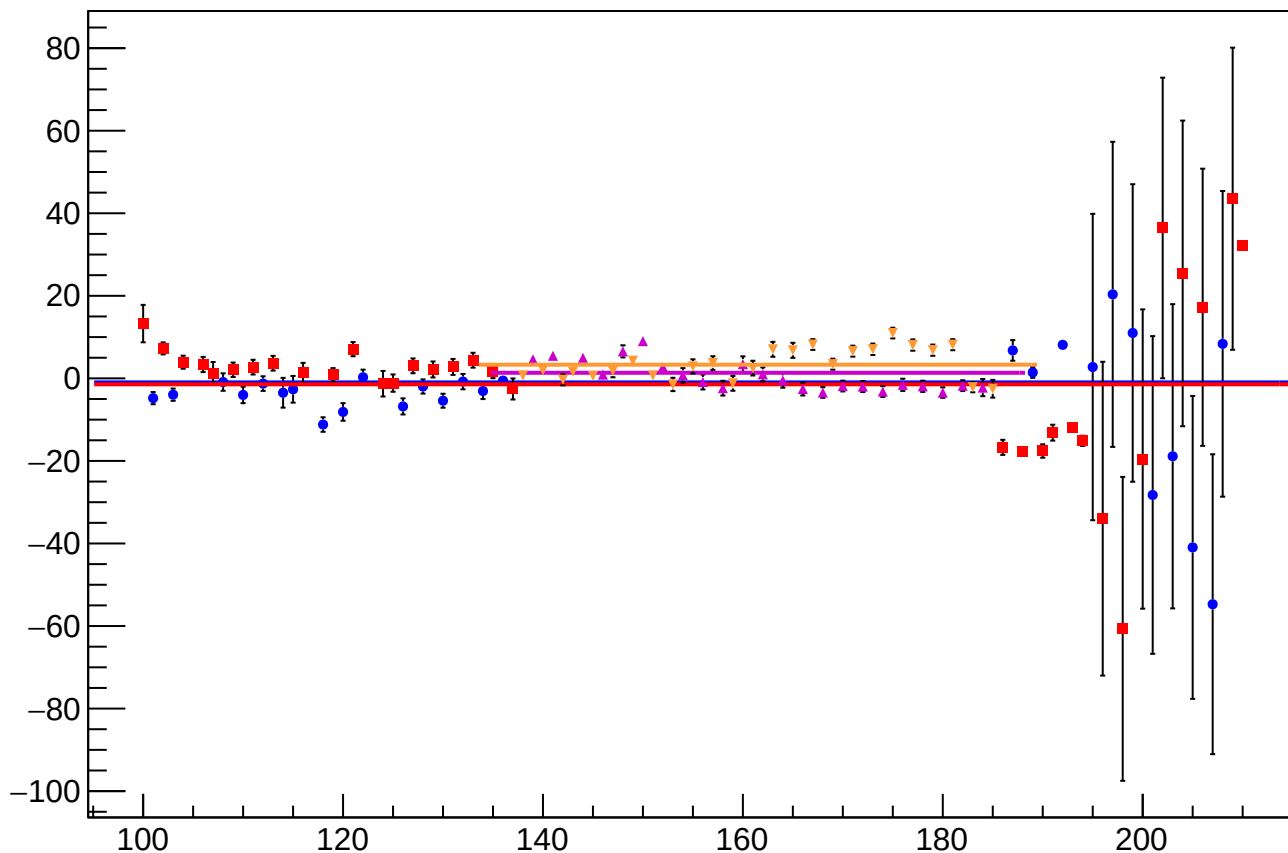
Left In: 6389.425+/-1.068 χ^2/NDF : 419756.4/22

+ sign 6636.876+/-0.833 χ^2/NDF : 6426314.2/51

All: 6582.603+/-0.578 χ^2/NDF : 12328585.3/100

- sign 6532.183+/-0.803 χ^2/NDF : 5894088.2/55

diff_bpm0l06Y_mean vs Slug



Right In: -0.980 ± 0.386 $\chi^2/\text{NDF}: 183.5/26$

Left Out: 3.311 ± 0.264 $\chi^2/\text{NDF}: 177.9/24$

Right Out: -1.442 ± 0.329 $\chi^2/\text{NDF}: 1589.1/32$

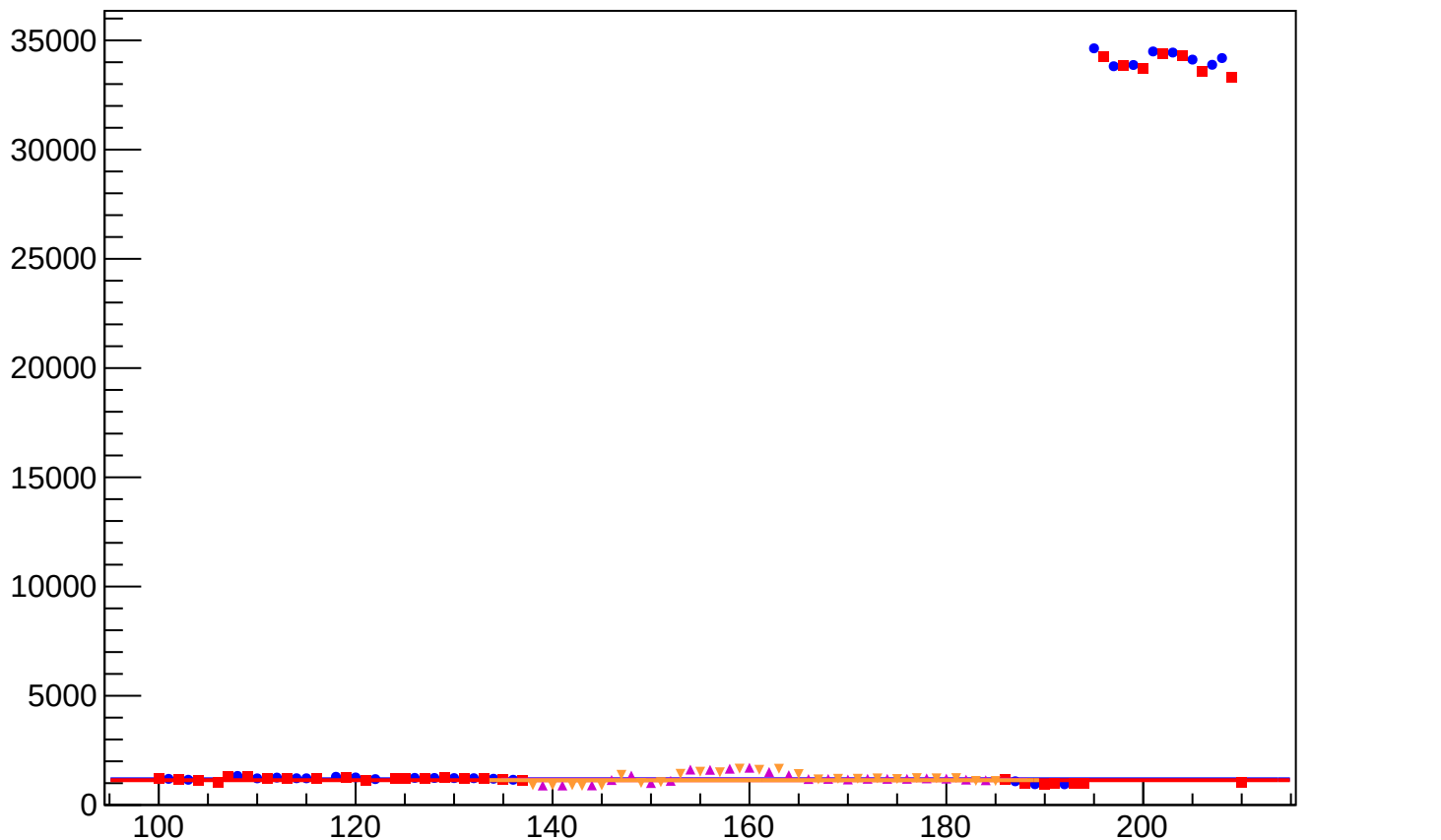
Left In: 1.355 ± 0.277 $\chi^2/\text{NDF}: 196.3/22$

+ sign 1.940 ± 0.218 $\chi^2/\text{NDF}: 445.6/51$

All: 1.042 ± 0.152 $\chi^2/\text{NDF}: 2306.1/107$

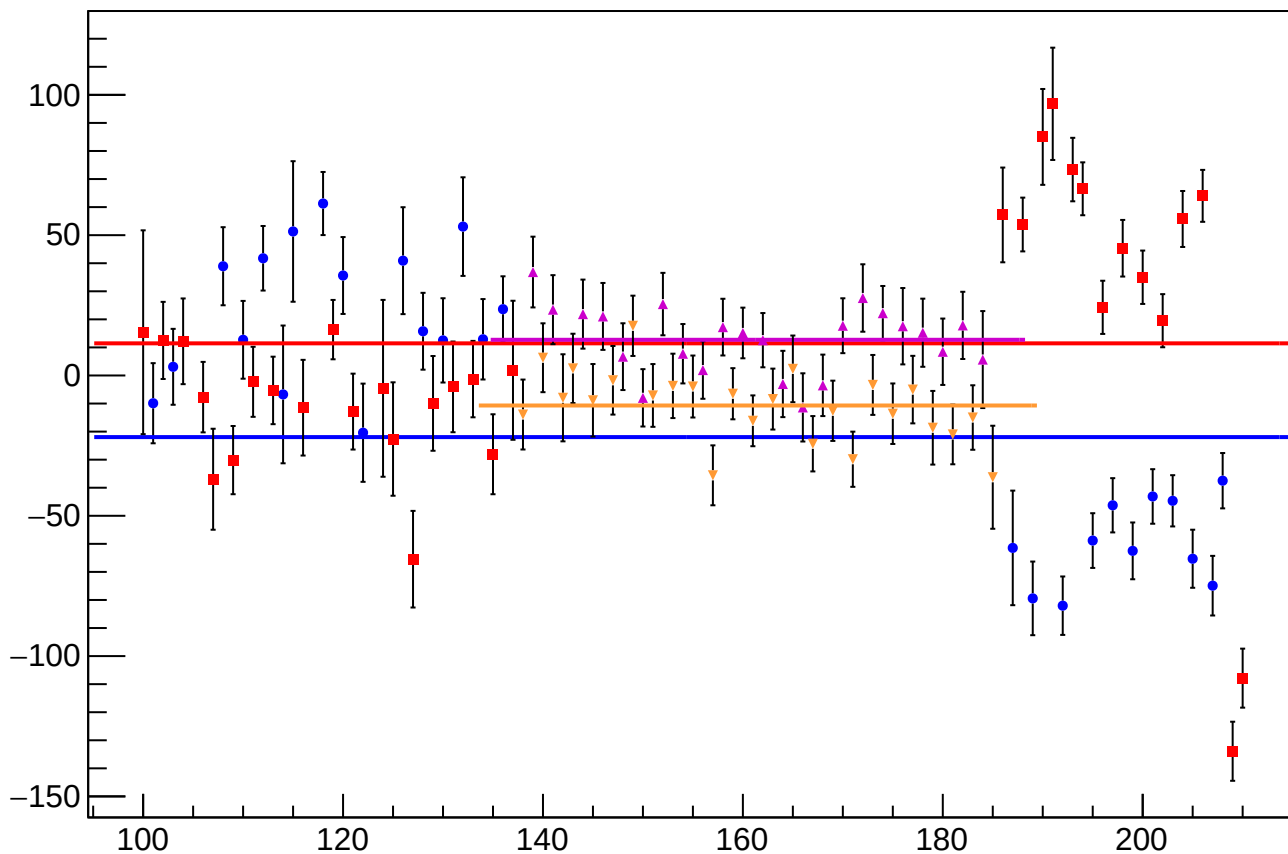
- sign 0.197 ± 0.212 $\chi^2/\text{NDF}: 1827.7/55$

diff_bpm0l06Y_rms vs Slug



Right In: 1176.594+/-0.273	χ^2/NDF : 12994585.8/26	+ sign 1149.753+/-0.154	χ^2/NDF : 14478489.7/51
Left Out: 1137.150+/-0.187	χ^2/NDF : 1469686.1/24	All: 1149.779+/-0.107	χ^2/NDF : 27376564.5/1
Right Out: 1136.185+/-0.233	χ^2/NDF : 11632432.9/32	- sign 1149.803+/-0.150	χ^2/NDF : 12898074.7/55
Left In: 1159.432+/-0.196	χ^2/NDF : 1259793.6/22		

diff_bpm0l07X_mean vs Slug



Right In: -21.958 ± 2.387 χ^2/NDF : 353.4/26

Left Out: -10.696 ± 2.257 χ^2/NDF : 28.7/24

Right Out: 11.451 ± 2.202 χ^2/NDF : 583.2/32

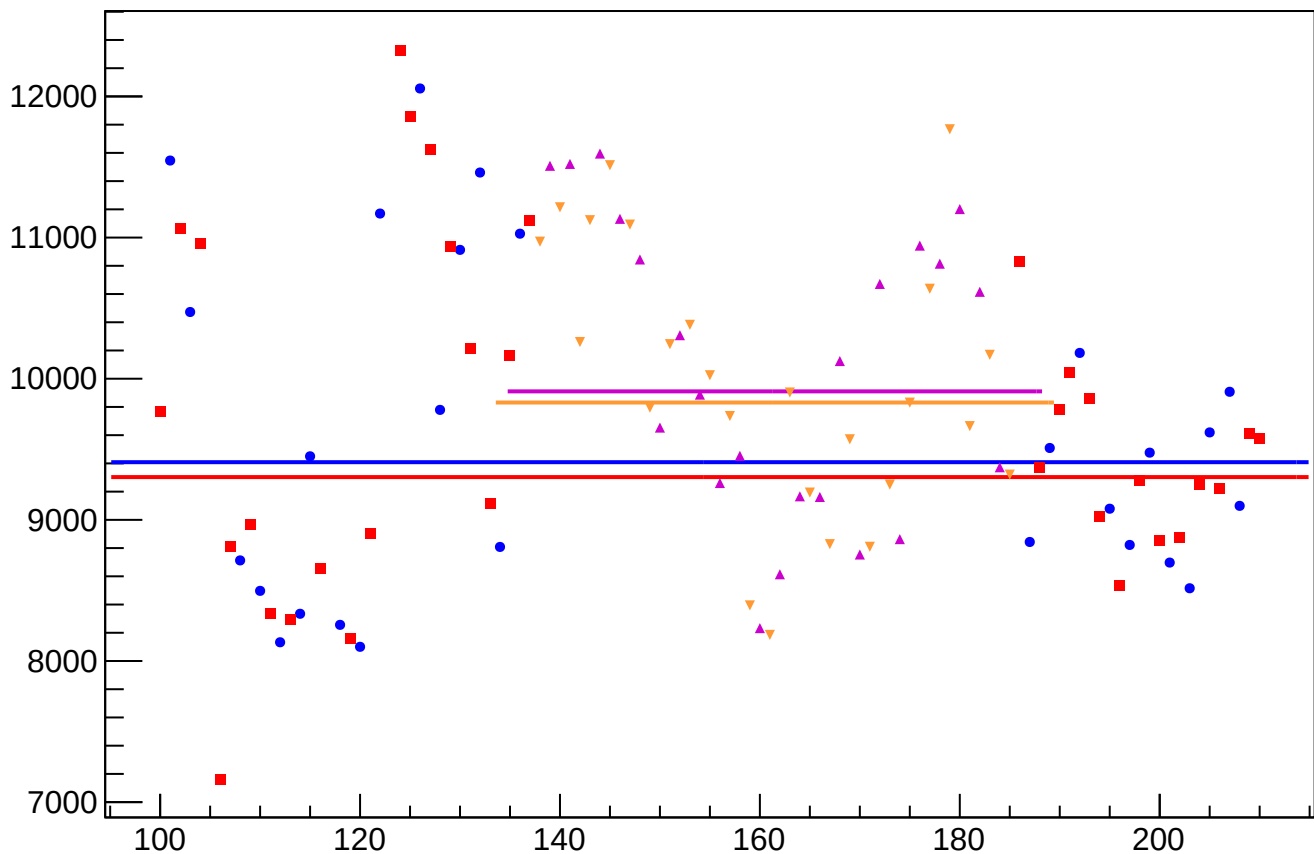
Left In: 12.719 ± 2.341 χ^2/NDF : 24.0/22

+ sign -16.012 ± 1.640 χ^2/NDF : 393.8/51

All: -1.669 ± 1.147 χ^2/NDF : 1150.8/107

- sign 12.046 ± 1.604 χ^2/NDF : 607.4/55

diff_bpm0l07X_rms vs Slug



Right In: 9408.585 $\pm$ 1.688 χ^2 /NDF: 347437.9/26

Left Out: 9831.301 $\pm$ 1.596 χ^2 /NDF: 356125.1/24

Right Out: 9303.033 $\pm$ 1.557 χ^2 /NDF: 354634.6/32

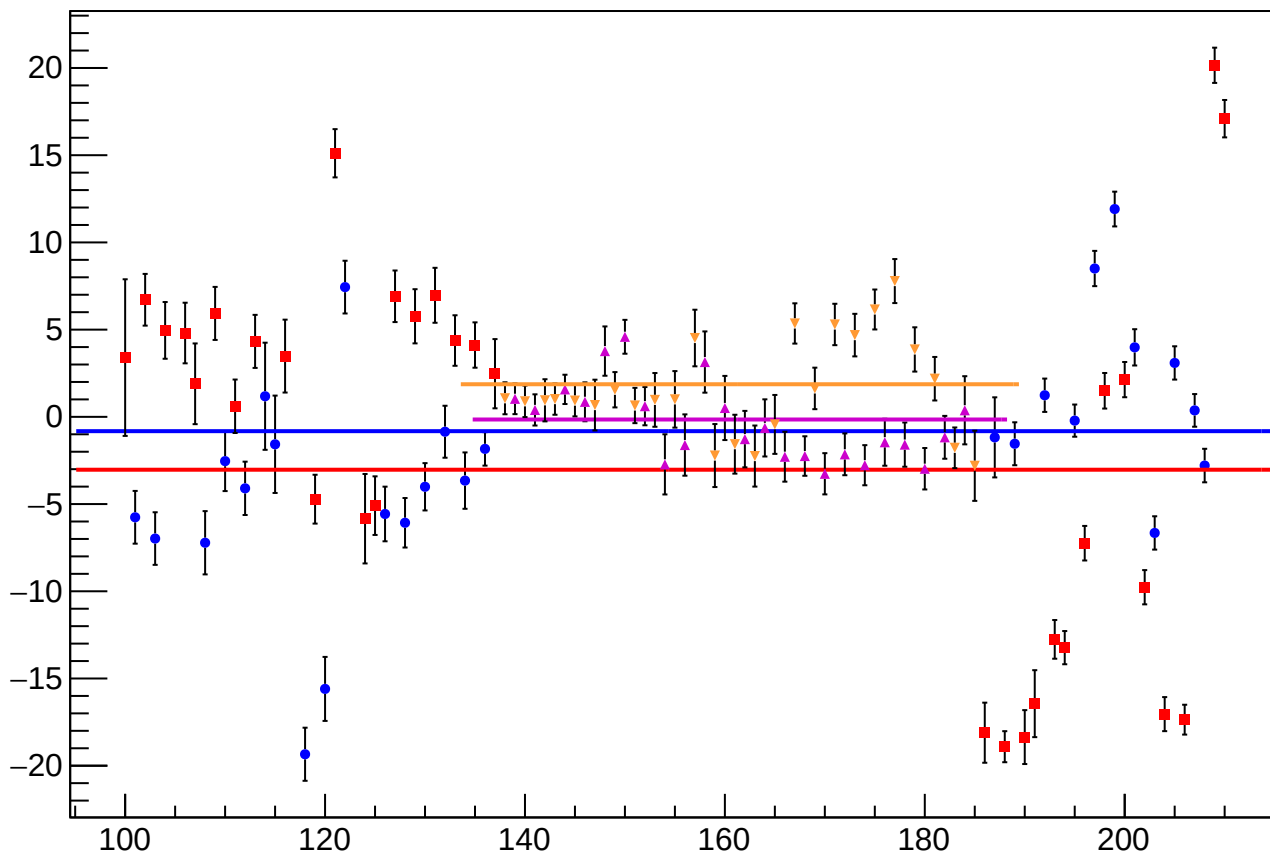
Left In: 9910.300 $\pm$ 1.655 χ^2 /NDF: 389368.1/22

+ sign 9631.772 $\pm$ 1.160 χ^2 /NDF: 736670.8/51

All: 9609.468 $\pm$ 0.811 χ^2 /NDF: 1552802.4/10

- sign 9588.137 $\pm$ 1.134 χ^2 /NDF: 815408.1/55

diff_bpm0l07Y_mean vs Slug



Right In: -0.821 ± 0.241 χ^2/NDF : 656.4/26

Left Out: 1.869 ± 0.243 χ^2/NDF : 103.2/24

Right Out: -3.031 ± 0.226 χ^2/NDF : 2736.1/32

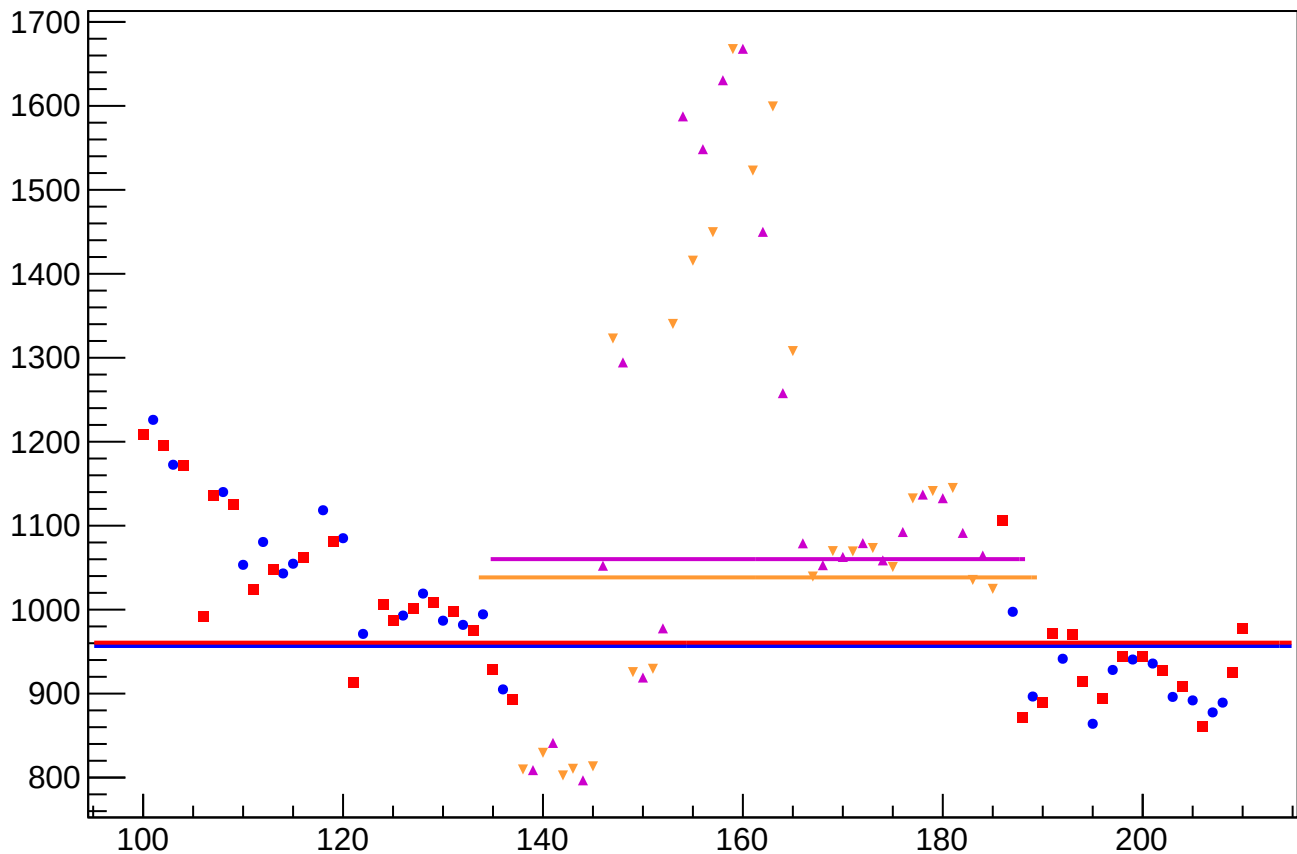
Left In: -0.152 ± 0.254 χ^2/NDF : 75.7/22

+ sign 0.517 ± 0.171 χ^2/NDF : 821.3/51

All: -0.635 ± 0.120 χ^2/NDF : 3794.2/107

- sign -1.760 ± 0.169 χ^2/NDF : 2883.3/55

diff_bpm0l07Y_rms vs Slug



Right In: 956.724 $\pm$ 0.171 χ^2 /NDF: 264814.6/26

Left Out: 1038.406 $\pm$ 0.172 χ^2 /NDF:1706682.8/24

Right Out: 960.673 $\pm$ 0.160 χ^2 /NDF: 258751.4/32

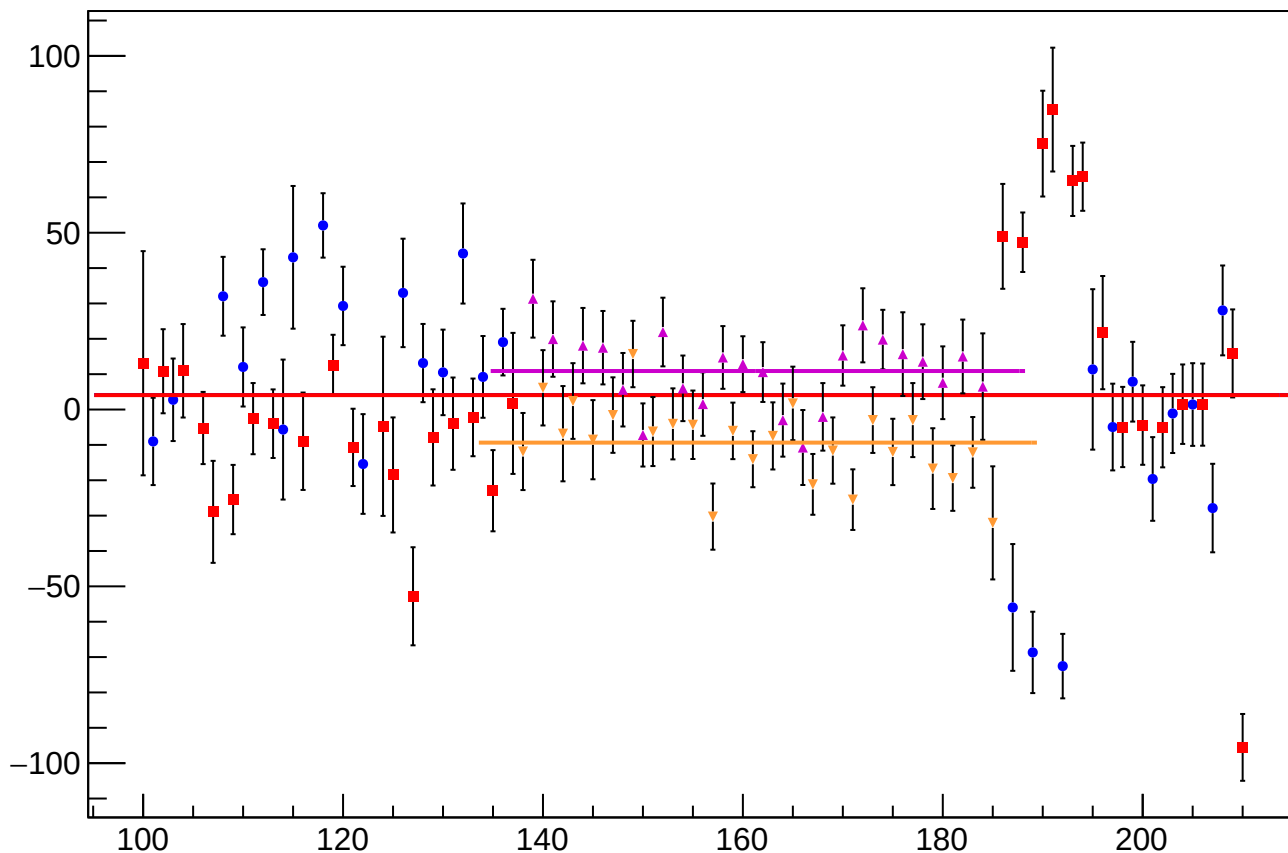
Left In: 1060.162 $\pm$ 0.180 χ^2 /NDF:1523219.9/22

+ sign 997.348 $\pm$ 0.121 χ^2 /NDF: 2085415.0/51

All: 1001.019 $\pm$ 0.085 χ^2 /NDF: 4039905.0/10

- sign 1004.604 $\pm$ 0.120 χ^2 /NDF: 1952670.7/55

diff_bpm0l08X_mean vs Slug



Right In: 4.113 ± 2.300 χ^2/NDF : 210.8/26

Left Out: -9.355 ± 1.969 χ^2/NDF : 28.5/24

Right Out: 4.079 ± 2.066 χ^2/NDF : 319.6/32

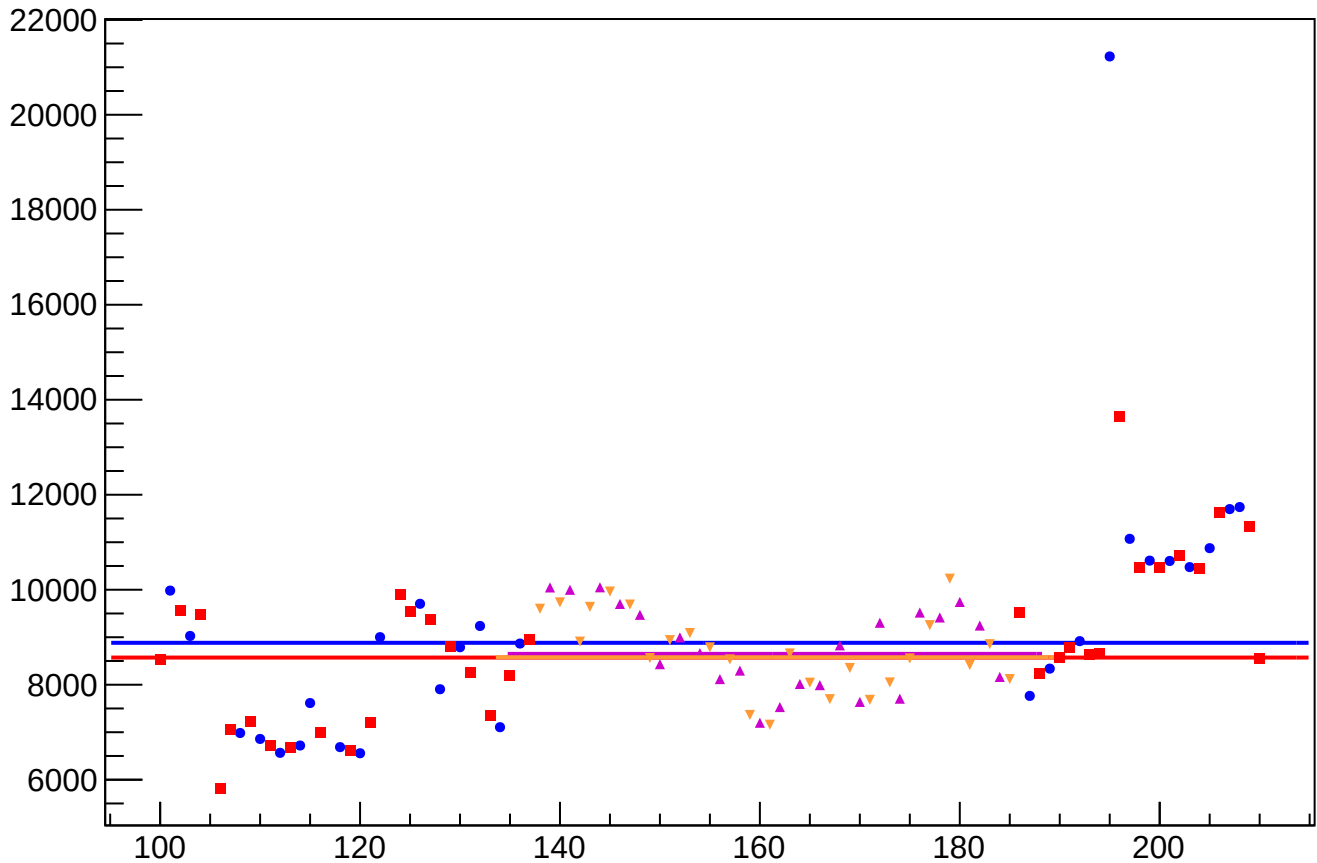
Left In: 10.892 ± 2.043 χ^2/NDF : 23.6/22

+ sign -3.660 ± 1.496 χ^2/NDF : 259.1/51

All: 2.097 ± 1.042 χ^2/NDF : 636.5/107

- sign 7.524 ± 1.452 χ^2/NDF : 348.7/55

diff_bpm0l08X_rms vs Slug



Right In: 8882.660 $\pm$ 1.627 χ^2 /NDF: 1629071.4/26

Left Out: 8578.396 $\pm$ 1.392 χ^2 /NDF:343721.1/24

Right Out: 8571.904 $\pm$ 1.461 χ^2 /NDF: 1273154.9/32

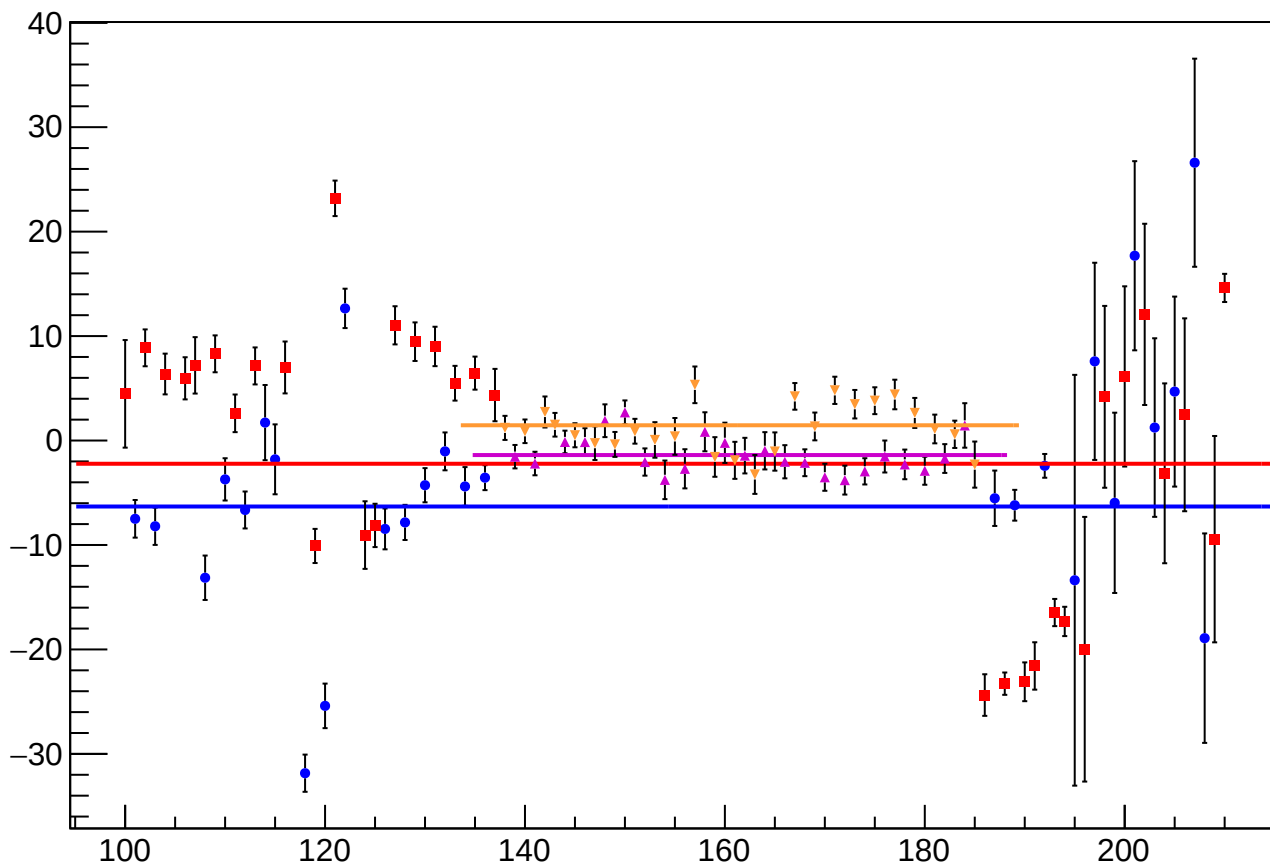
Left In: 8649.232 $\pm$ 1.444 χ^2 /NDF:377932.0/22

+ sign 8707.062 $\pm$ 1.058 χ^2 /NDF: 1992984.0/51

All: 8657.617 $\pm$ 0.737 χ^2 /NDF: 3649732.6/10

- sign 8611.006 $\pm$ 1.027 χ^2 /NDF: 1652503.9/55

diff_bpm0l08Y_mean vs Slug



Right In: -6.316 ± 0.404 $\chi^2/\text{NDF}: 461.6/26$

Left Out: 1.461 ± 0.281 $\chi^2/\text{NDF}: 51.0/24$

Right Out: -2.223 ± 0.347 $\chi^2/\text{NDF}: 1728.7/32$

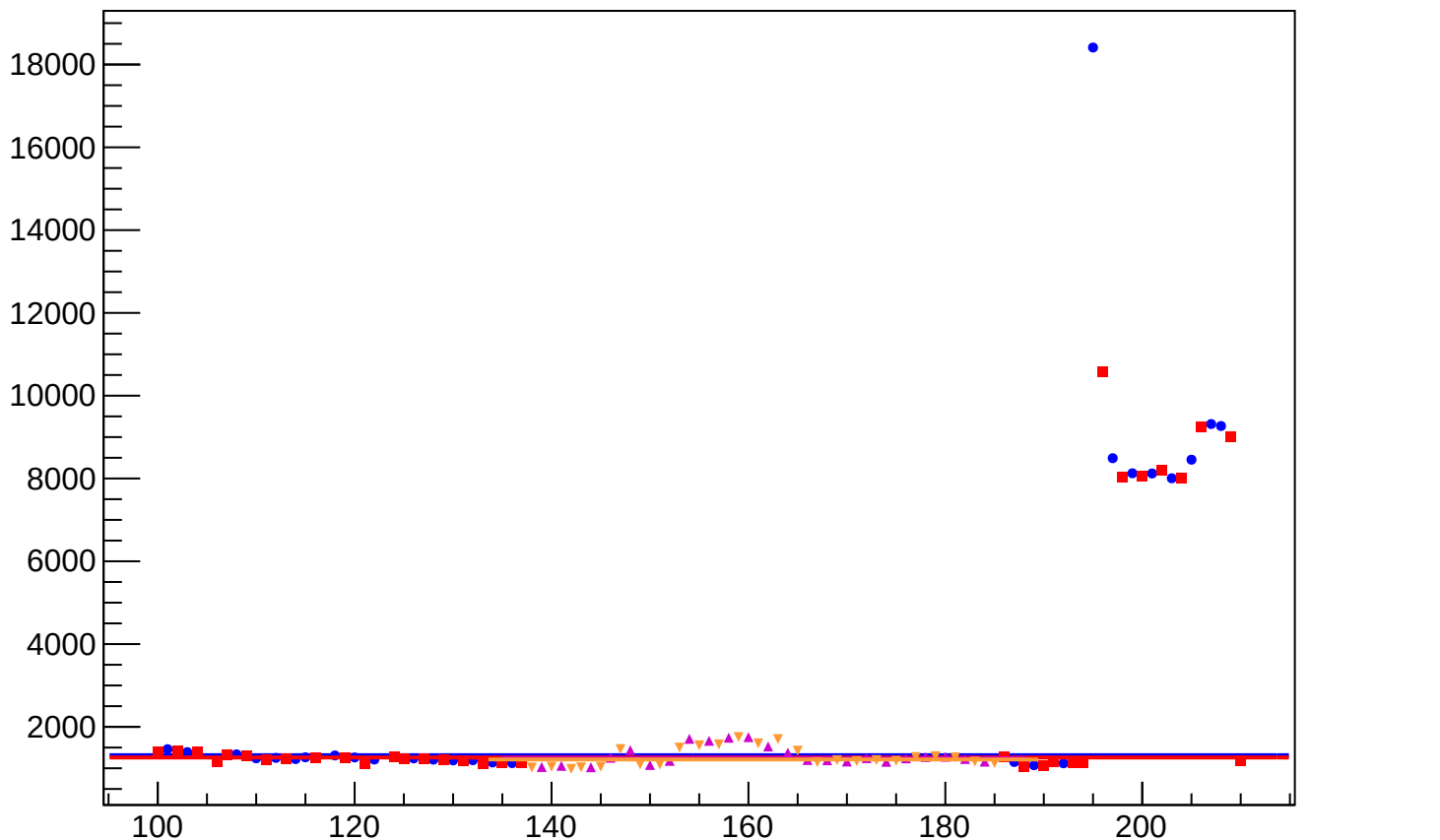
Left In: -1.390 ± 0.294 $\chi^2/\text{NDF}: 35.5/22$

+ sign -1.072 ± 0.230 $\chi^2/\text{NDF}: 763.0/51$

All: -1.414 ± 0.161 $\chi^2/\text{NDF}: 2534.9/107$

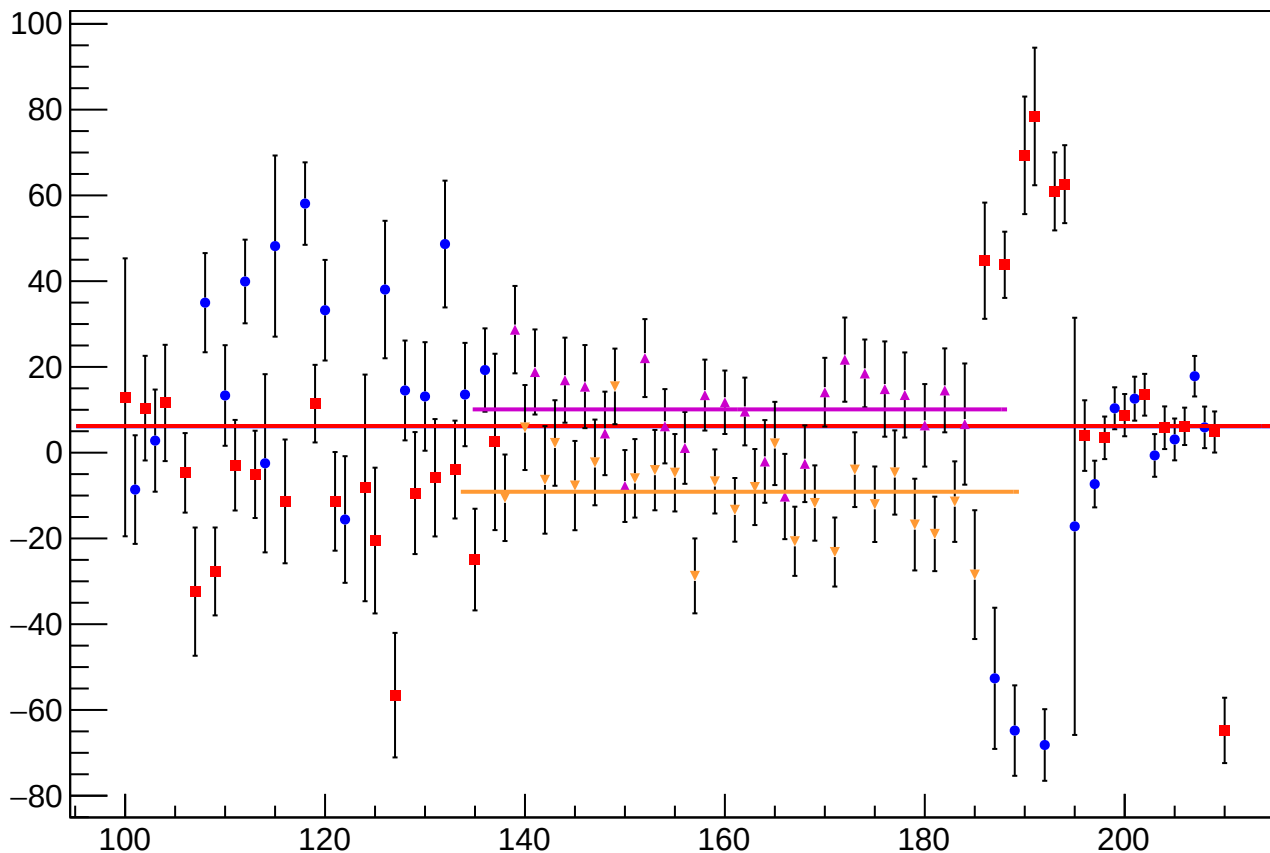
- sign -1.738 ± 0.224 $\chi^2/\text{NDF}: 1767.6/55$

diff_bpm0l08Y_rms vs Slug



Right In: 1315.945 ± 0.285 χ^2/NDF : 10300412.6/26
 Left Out: 1213.262 ± 0.198 χ^2/NDF : 1012762.9/24
 Right Out: 1260.165 ± 0.245 χ^2/NDF : 9002378.8/32
 Left In: 1239.174 ± 0.208 χ^2/NDF : 885596.7/22
 All: 1247.347 ± 0.114 χ^2/NDF : 21292721.9/100
 + sign: 1246.710 ± 0.163 χ^2/NDF : 11400461.6/51
 - sign: 1247.951 ± 0.159 χ^2/NDF : 9892230.5/55

diff_bpm0l09X_mean vs Slug



Right In: 6.148 ± 1.551 χ^2/NDF : 230.3/26

Left Out: -9.114 ± 1.842 χ^2/NDF : 28.8/24

Right Out: 6.221 ± 1.463 χ^2/NDF : 294.3/32

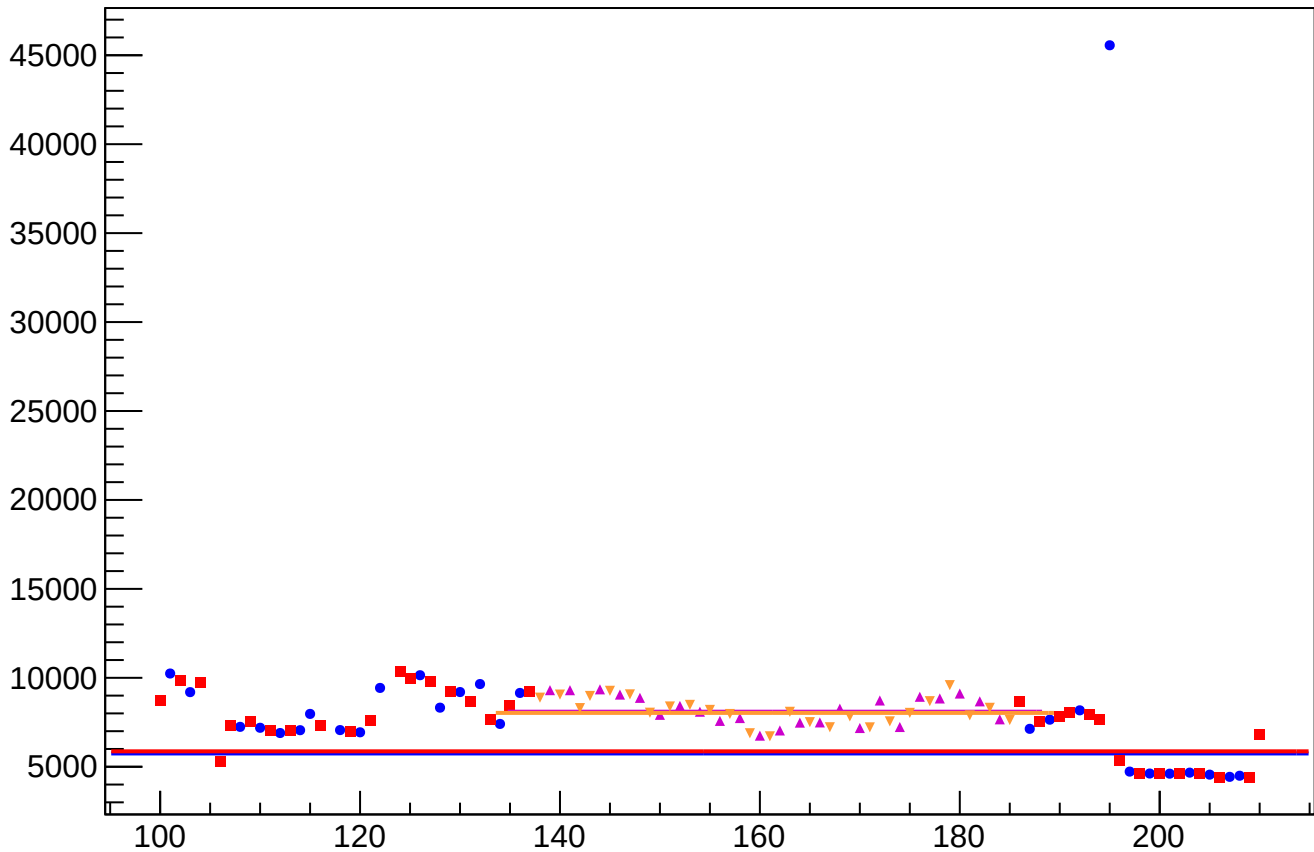
Left In: 10.095 ± 1.911 χ^2/NDF : 24.3/22

+ sign -0.180 ± 1.186 χ^2/NDF : 299.2/51

All: 3.818 ± 0.830 χ^2/NDF : 642.7/107

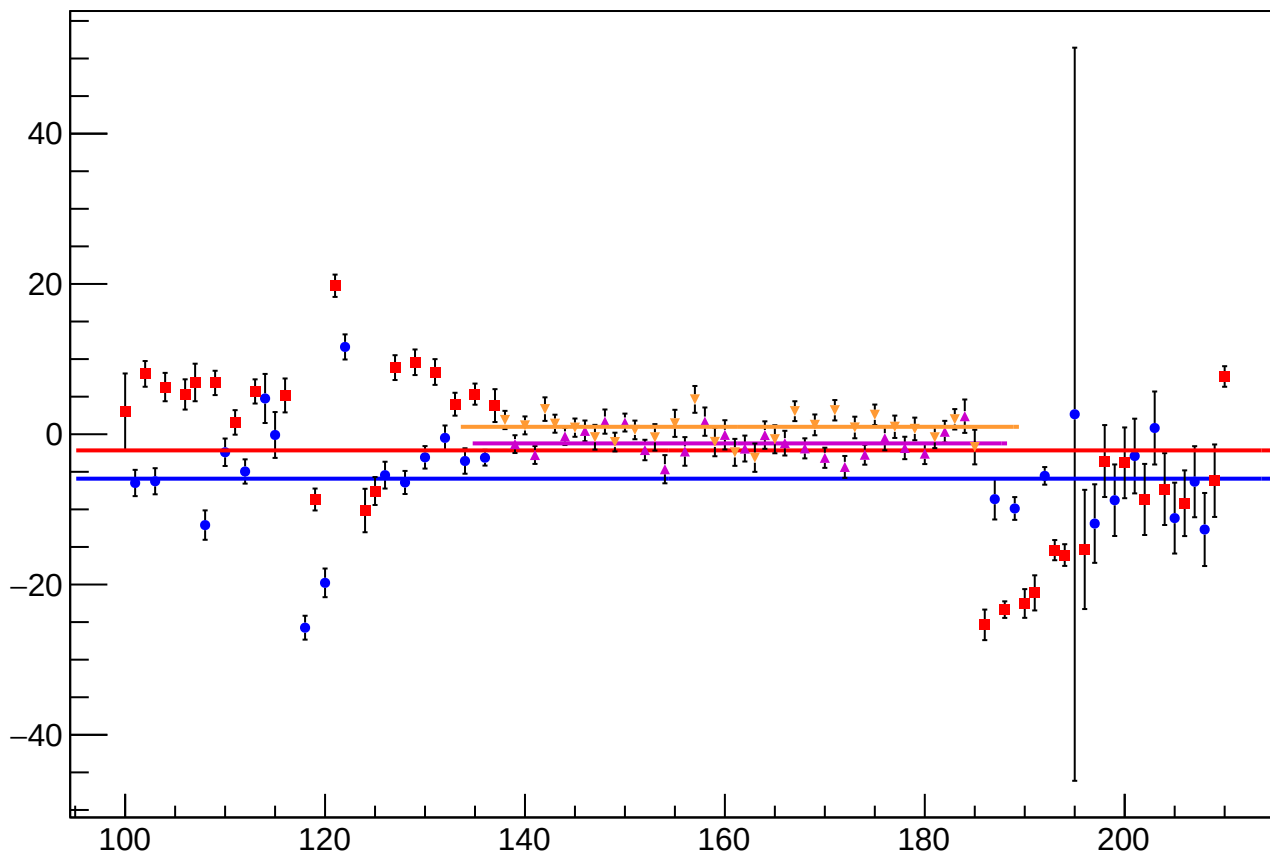
- sign 7.652 ± 1.162 χ^2/NDF : 321.2/55

diff_bpm0l09X_rms vs Slug



Right In: 5748.280 $\pm$ 1.096 χ^2 /NDF: 3906044.2/26 + sign 6693.462 $\pm$ 0.839 χ^2 /NDF: 6031072.9/51
 Left Out: 8028.056 $\pm$ 1.303 χ^2 /NDF: 332457.9/24 All: 6692.101 $\pm$ 0.587 χ^2 /NDF: 10863032.1/100
 Right Out: 5867.806 $\pm$ 1.035 χ^2 /NDF: 2751494.9/32 - sign 6690.797 $\pm$ 0.821 χ^2 /NDF: 4831954.0/55
 Left In: 8095.368 $\pm$ 1.351 χ^2 /NDF: 367451.5/22

diff_bpm0l09Y_mean vs Slug



Right In: -5.914 ± 0.372 χ^2/NDF : 385.9/26

Left Out: 0.988 ± 0.292 χ^2/NDF : 31.0/24

Right Out: -2.150 ± 0.328 χ^2/NDF : 1518.8/32

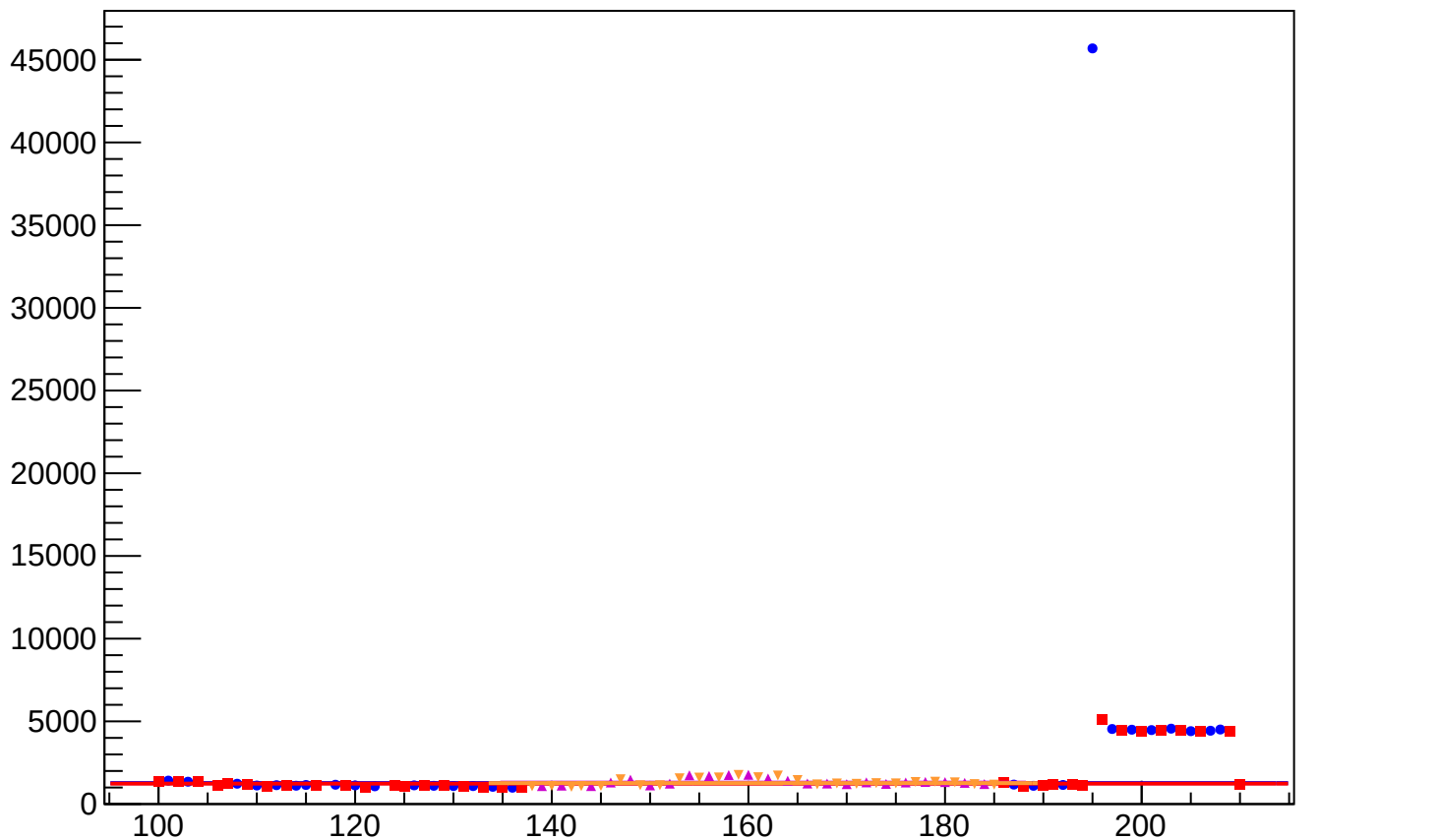
Left In: -1.219 ± 0.307 χ^2/NDF : 33.1/22

+ sign -1.650 ± 0.230 χ^2/NDF : 629.9/51

All: -1.652 ± 0.160 χ^2/NDF : 2186.2/107

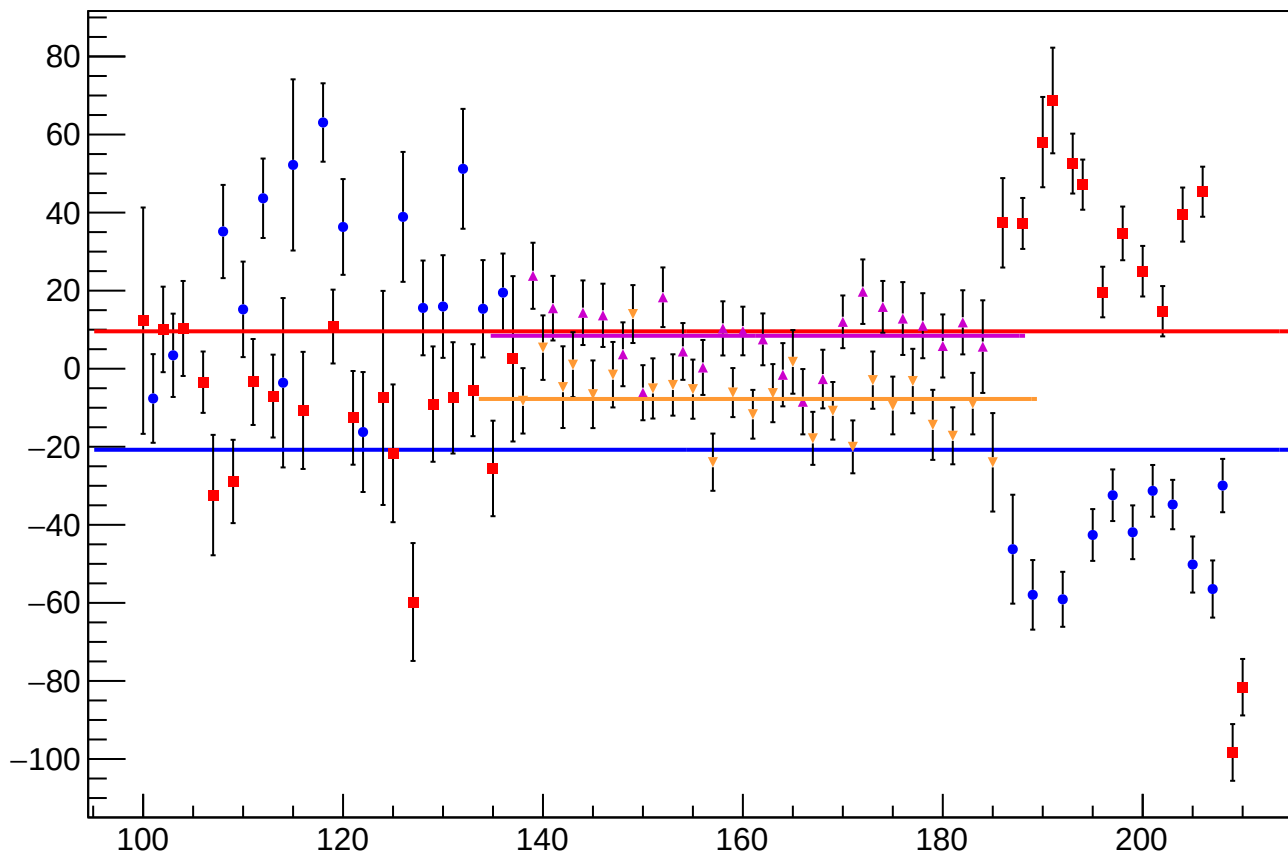
- sign -1.654 ± 0.224 χ^2/NDF : 1556.2/55

diff_bpm0l09Y_rms vs Slug



Right In: 1269.141 $\pm$ 0.263	χ^2 /NDF: 8186194.6/26	+ sign 1268.069 $\pm$ 0.162	χ^2 /NDF: 9064653.4/51
Left Out: 1267.405 $\pm$ 0.207	χ^2 /NDF: 878431.8/24	All: 1267.452 $\pm$ 0.113	χ^2 /NDF: 16259585.6/100
Right Out: 1235.790 $\pm$ 0.232	χ^2 /NDF: 6402961.8/32	- sign 1266.866 $\pm$ 0.158	χ^2 /NDF: 7194904.1/55
Left In: 1294.076 $\pm$ 0.217	χ^2 /NDF: 758193.5/22		

diff_bpm0l10X_mean vs Slug



Right In: -20.769 ± 1.787 χ^2/NDF : 379.7/26

Left Out: -7.752 ± 1.547 χ^2/NDF : 30.4/24

Right Out: 9.580 ± 1.620 χ^2/NDF : 647.0/32

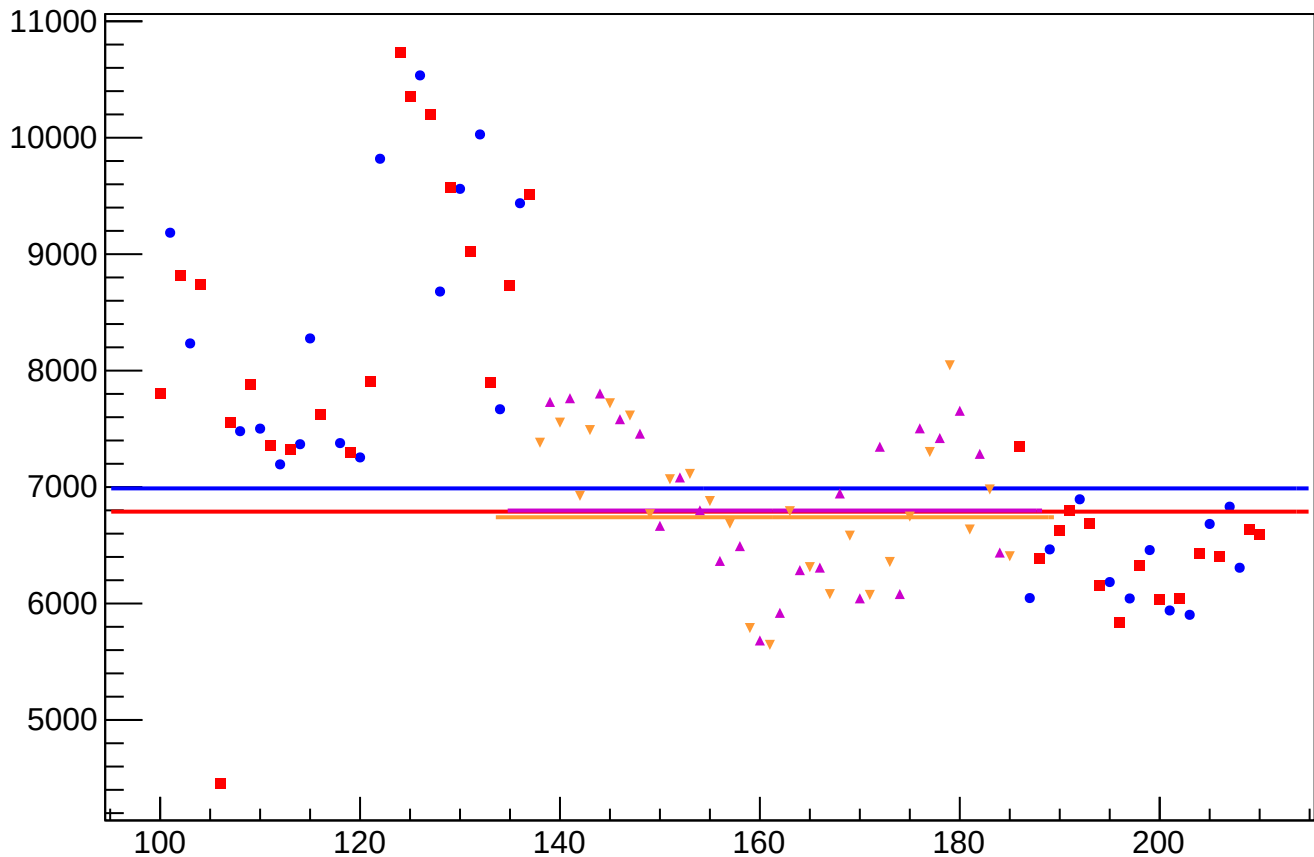
Left In: 8.438 ± 1.605 χ^2/NDF : 24.8/22

+ sign -13.328 ± 1.169 χ^2/NDF : 440.5/51

All: -1.881 ± 0.816 χ^2/NDF : 1299.5/107

- sign 9.003 ± 1.140 χ^2/NDF : 672.0/55

diff_bpm0l10X_rms vs Slug



Right In: 6988.660+/-1.263 χ^2/NDF : 830409.7/26

Left Out: 6740.835+/-1.094 χ^2/NDF : 316707.6/24

Right Out: 6789.042+/-1.146 χ^2/NDF : 963879.5/32

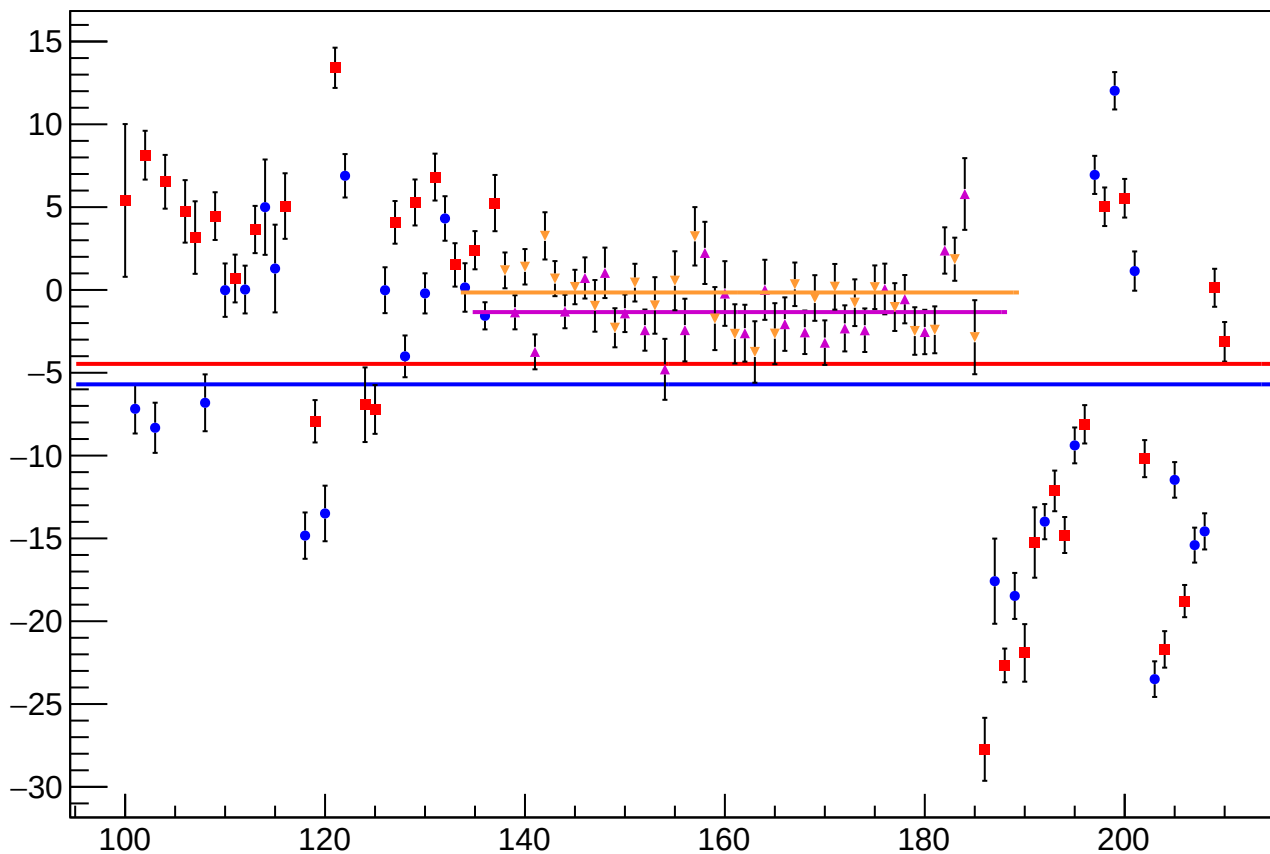
Left In: 6798.524+/-1.135 χ^2/NDF : 353277.6/22

+ sign 6846.996+/-0.827 χ^2/NDF : 1169115.0/51

All: 6819.741+/-0.577 χ^2/NDF : 2488426.3/10

- sign 6793.829+/-0.806 χ^2/NDF : 1317191.7/55

diff_bpm0l10Y_mean vs Slug



Right In: -5.699 ± 0.248 χ^2/NDF : 1378.5/26

Left Out: -0.152 ± 0.277 χ^2/NDF : 36.1/24

Right Out: -4.464 ± 0.236 χ^2/NDF : 2121.3/32

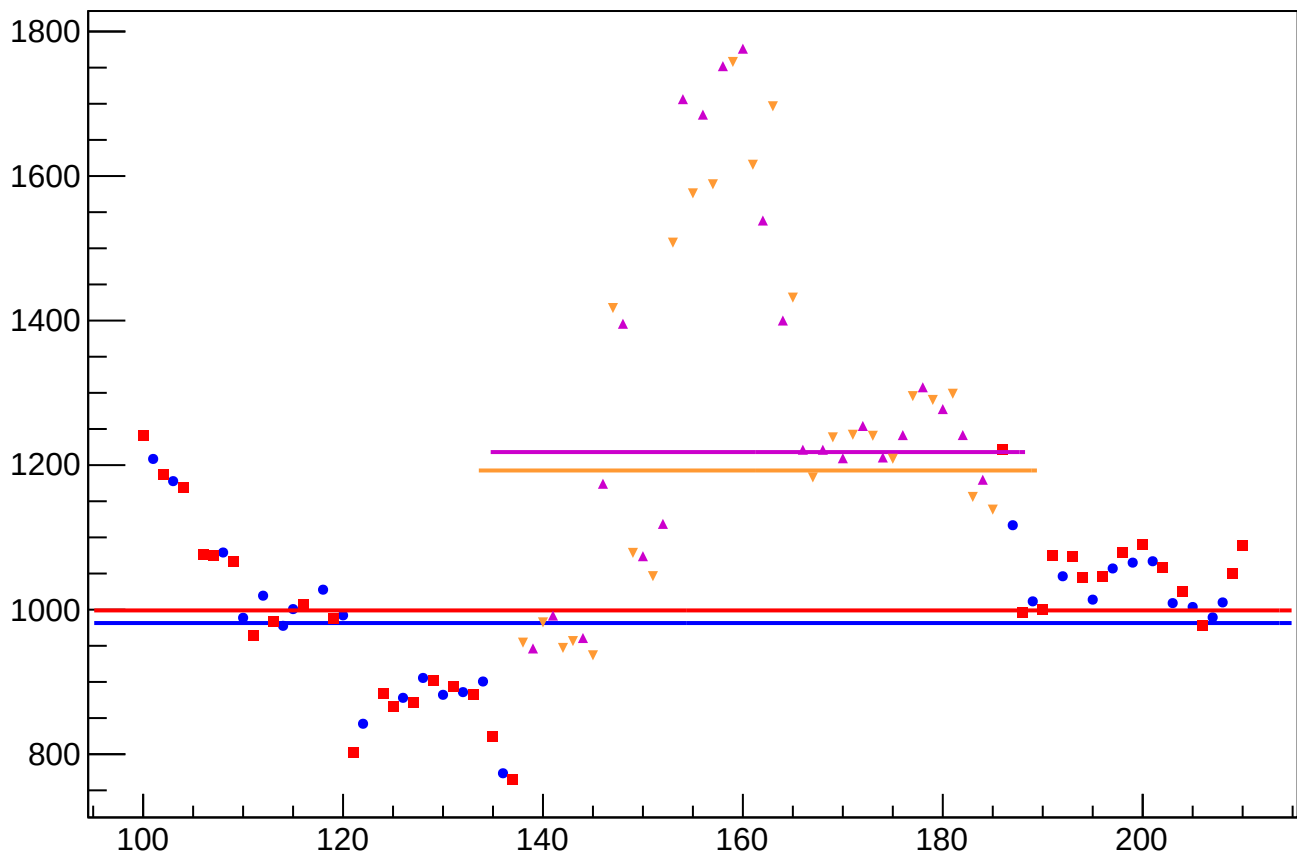
Left In: -1.337 ± 0.290 χ^2/NDF : 44.0/22

+ sign -3.229 ± 0.185 χ^2/NDF : 1637.4/51

All: -3.225 ± 0.130 χ^2/NDF : 3872.7/107

- sign -3.221 ± 0.183 χ^2/NDF : 2235.3/55

diff_bpm0l10Y_rms vs Slug



Right In: 981.488 $\pm$ 0.175 χ^2 /NDF: 338940.9/26

Left Out: 1192.579 $\pm$ 0.196 χ^2 /NDF:1320181.3/24

Right Out: 998.954 $\pm$ 0.167 χ^2 /NDF: 375345.6/32

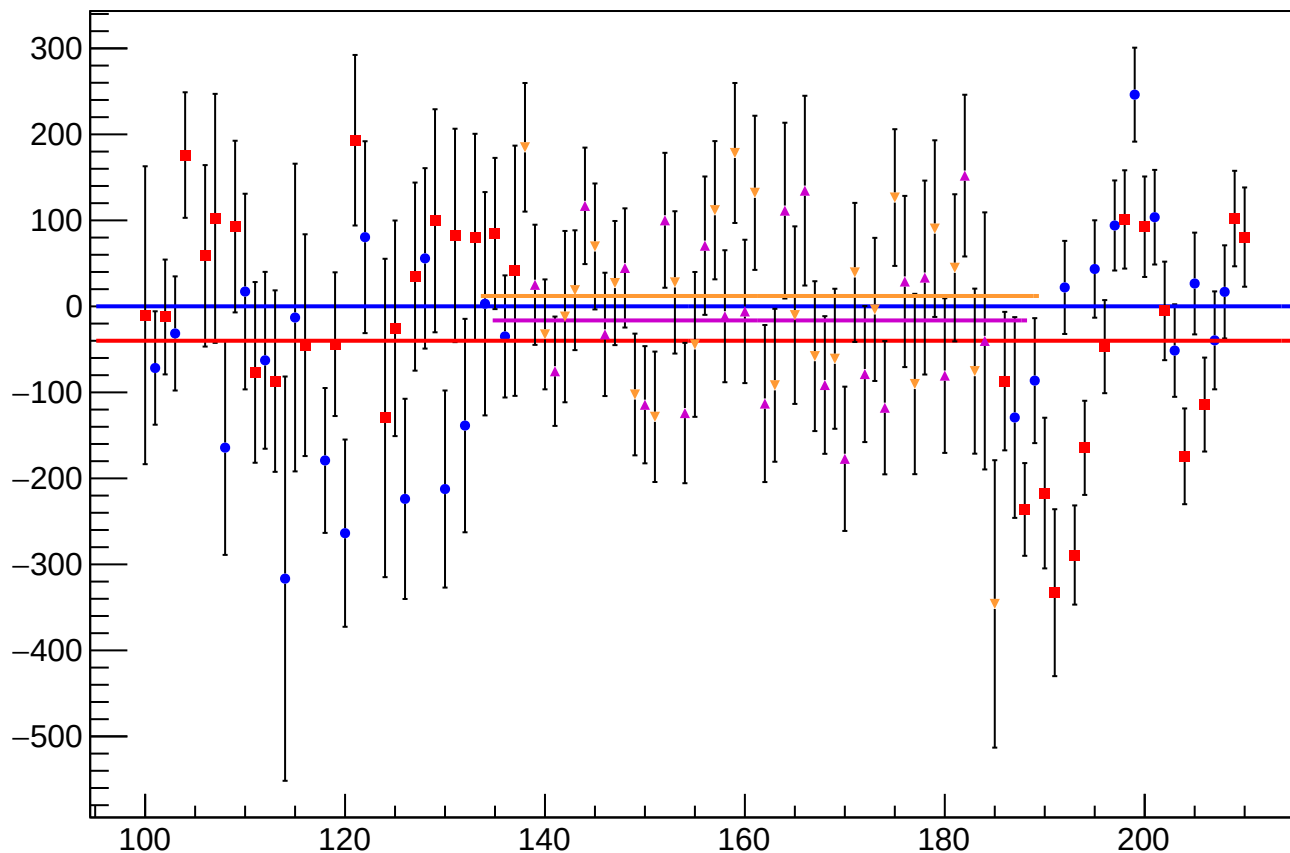
Left In: 1218.058 $\pm$ 0.205 χ^2 /NDF:1127896.8/22

+ sign 1075.478 $\pm$ 0.131 χ^2 /NDF: 2304819.1/51

All: 1080.814 $\pm$ 0.092 χ^2 /NDF: 4498459.0/10

- sign 1086.052 $\pm$ 0.129 χ^2 /NDF: 2190329.7/55

diff_bpm0r03X_mean vs Slug



Right In: 0.068 ± 14.376 χ^2/NDF : 57.3/26

Left Out: 12.081 ± 16.608 χ^2/NDF : 32.8/24

Right Out: -39.965 ± 13.349 χ^2/NDF : 105.4/32

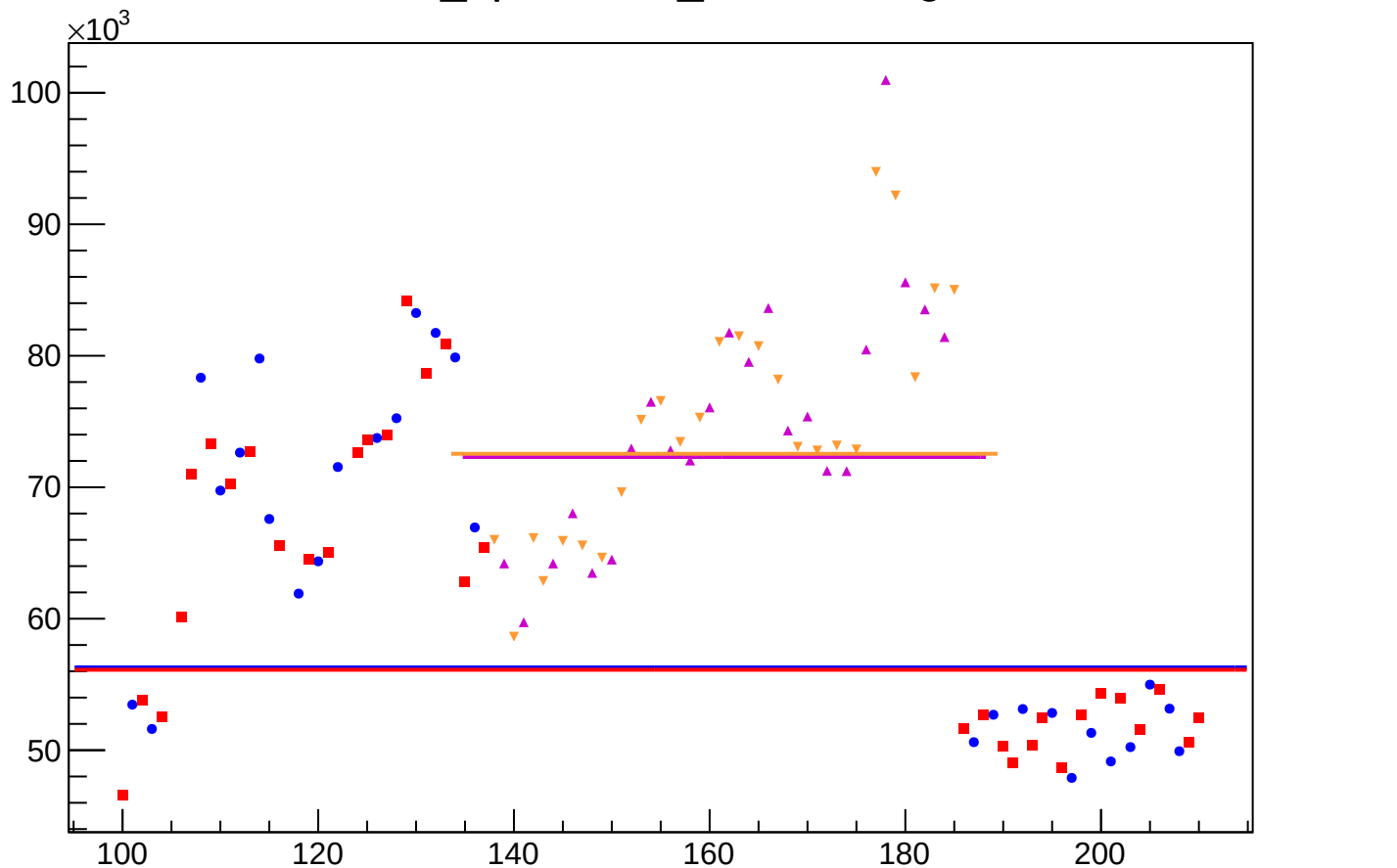
Left In: -16.339 ± 17.018 χ^2/NDF : 28.7/22

+ sign 5.214 ± 10.870 χ^2/NDF : 90.4/51

All: -13.496 ± 7.553 χ^2/NDF : 231.5/107

- sign -30.966 ± 10.503 χ^2/NDF : 135.3/55

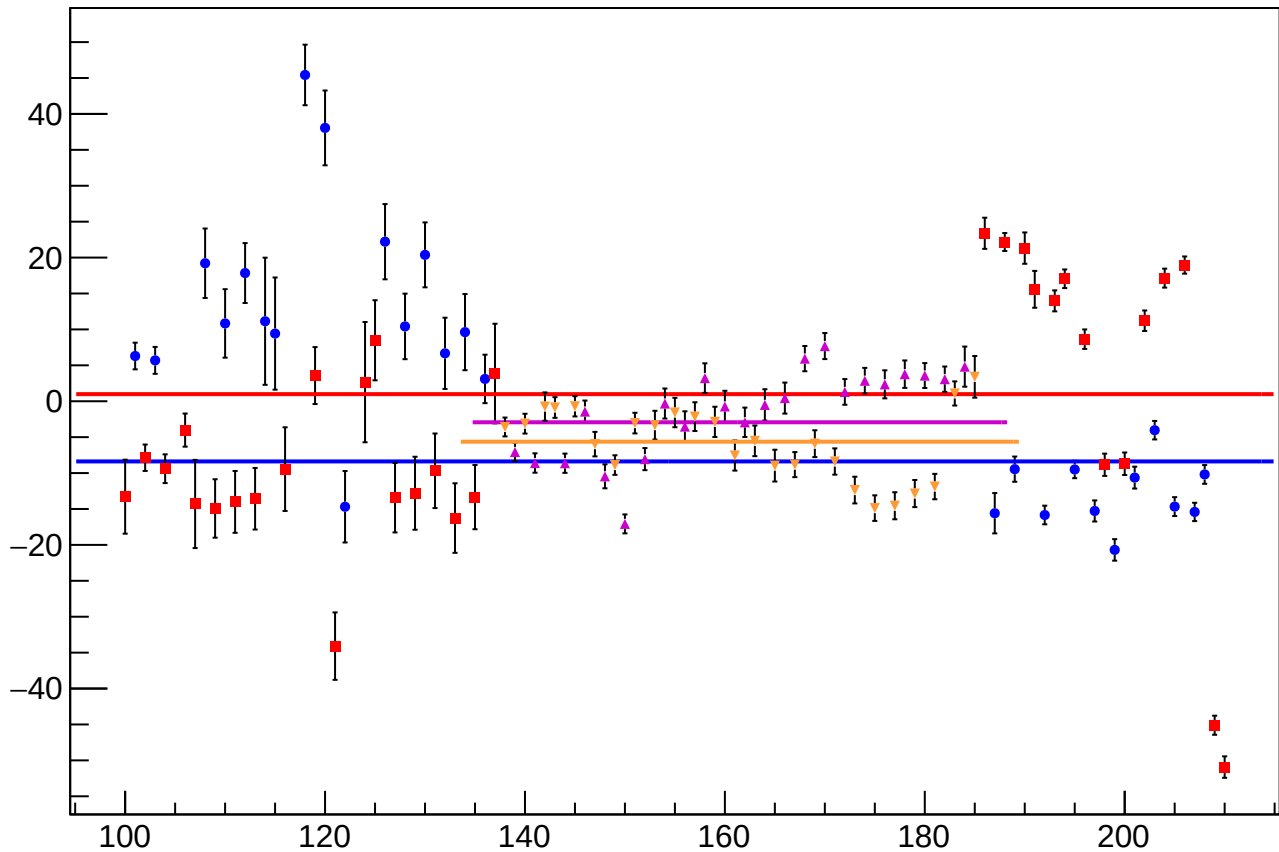
diff_bpm0r03X_rms vs Slug



Right In: 56300.910 $\pm$ 10.165 χ^2 /NDF: 841613.3/26
 Left Out: 72544.327 $\pm$ 11.744 χ^2 /NDF: 500066.2/24
 Right Out: 56116.286 $\pm$ 9.439 χ^2 /NDF: 756217.0/32
 Left In: 72300.590 $\pm$ 12.033 χ^2 /NDF: 488780.3/22

+ sign 63258.645 $\pm$ 7.686 χ^2 /NDF: 2435360.1/51
 All: 62753.064 $\pm$ 5.341 χ^2 /NDF: 4808597.3/1
 - sign 62281.008 $\pm$ 7.427 χ^2 /NDF: 2364870.1/55

diff_bpm0r03Y_mean vs Slug



Right In: -8.378 ± 0.388 χ^2/NDF : 784.7/26

Left Out: -5.636 ± 0.349 χ^2/NDF : 178.2/24

Right Out: 0.988 ± 0.358 χ^2/NDF : 3910.4/32

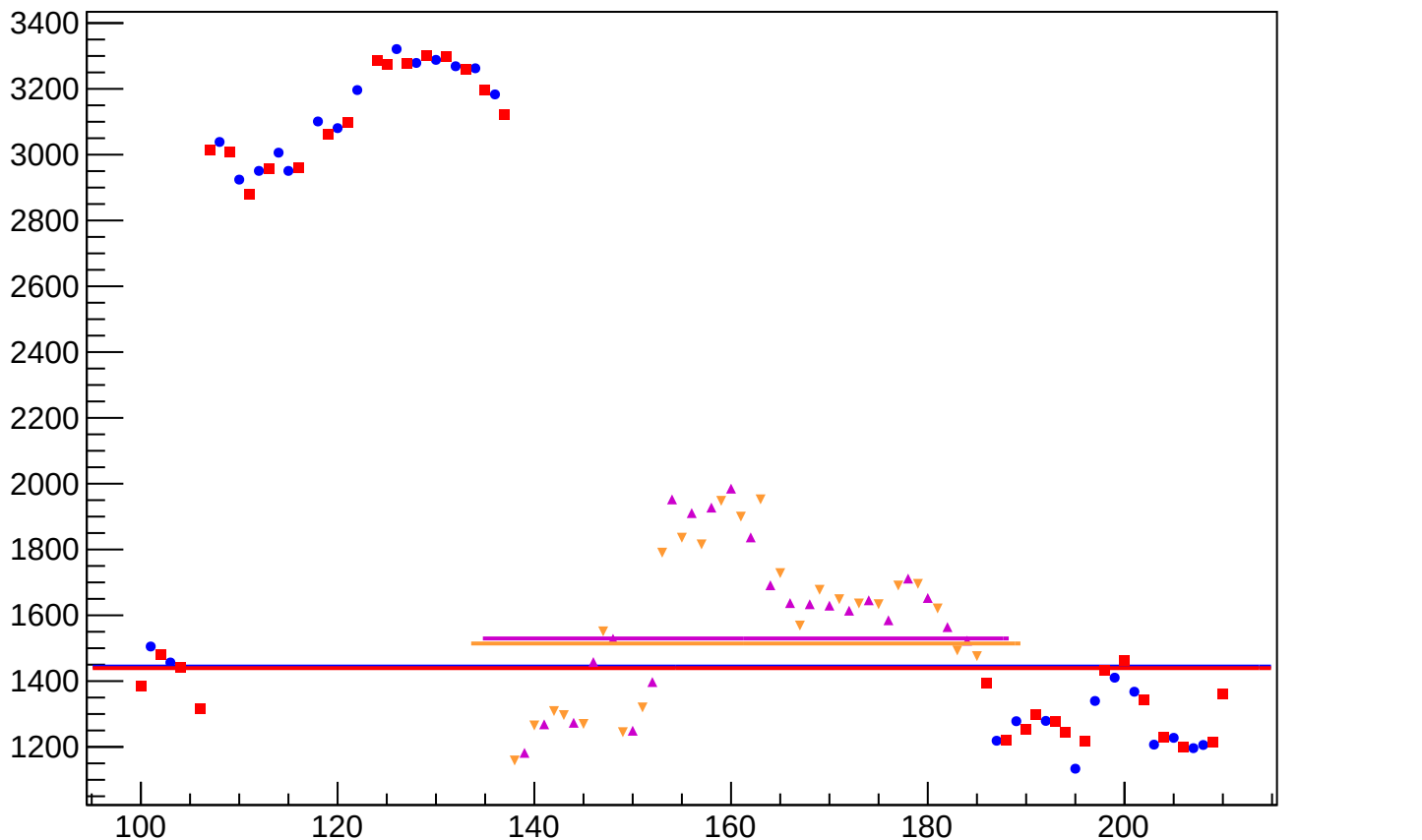
Left In: -2.929 ± 0.362 χ^2/NDF : 337.4/22

+ sign -6.861 ± 0.260 χ^2/NDF : 990.5/51

All: -3.846 ± 0.182 χ^2/NDF : 5562.1/107

- sign -0.946 ± 0.255 χ^2/NDF : 4307.0/55

diff_bpm0r03Y_rms vs Slug



Right In: 1444.177 $\pm$ 0.275 χ^2 /NDF: 3990953.0/26

Left Out: 1514.334 $\pm$ 0.247 χ^2 /NDF: 933332.1/24

Right Out: 1439.454 $\pm$ 0.253 χ^2 /NDF: 3877656.2/32

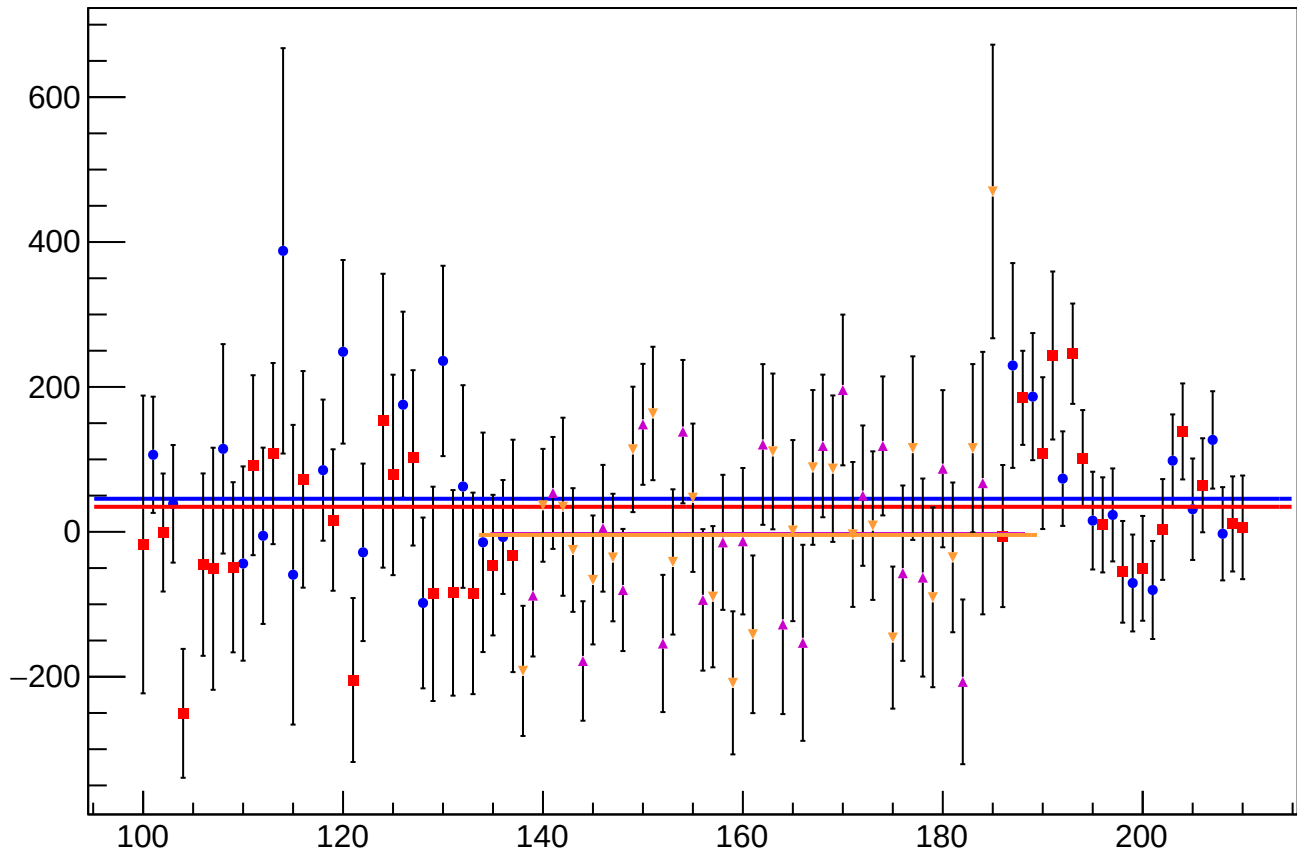
Left In: 1529.635 $\pm$ 0.256 χ^2 /NDF: 828481.7/22

+ sign 1482.988 $\pm$ 0.184 χ^2 /NDF: 4960388.1/51

All: 1483.493 $\pm$ 0.129 χ^2 /NDF: 9729285.8/10

- sign 1483.978 $\pm$ 0.180 χ^2 /NDF: 4768882.9/55

diff_bpm0r05X_mean vs Slug



Right In: 45.661 $\pm$ 17.082 χ^2 /NDF: 25.5/26

Left Out: -4.274 $\pm$ 20.240 χ^2 /NDF:30.4/24

Right Out: 34.557 $\pm$ 15.942 χ^2 /NDF: 46.5/32

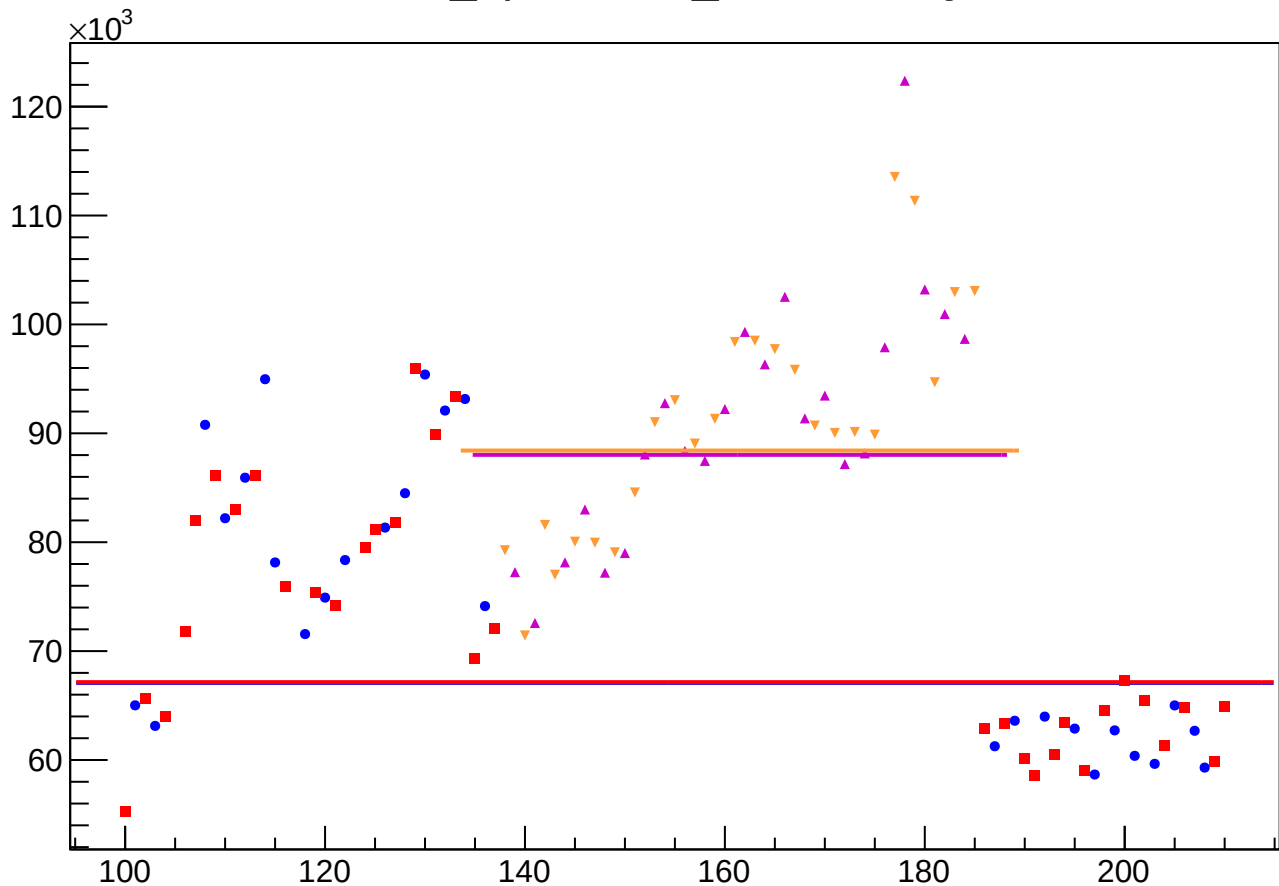
Left In: -3.017 $\pm$ 20.720 χ^2 /NDF:30.7/22

+ sign 24.889 $\pm$ 13.054 χ^2 /NDF: 59.5/51

All: 22.667 $\pm$ 9.079 χ^2 /NDF: 138.8/107

- sign 20.585 $\pm$ 12.635 χ^2 /NDF: 79.3/55

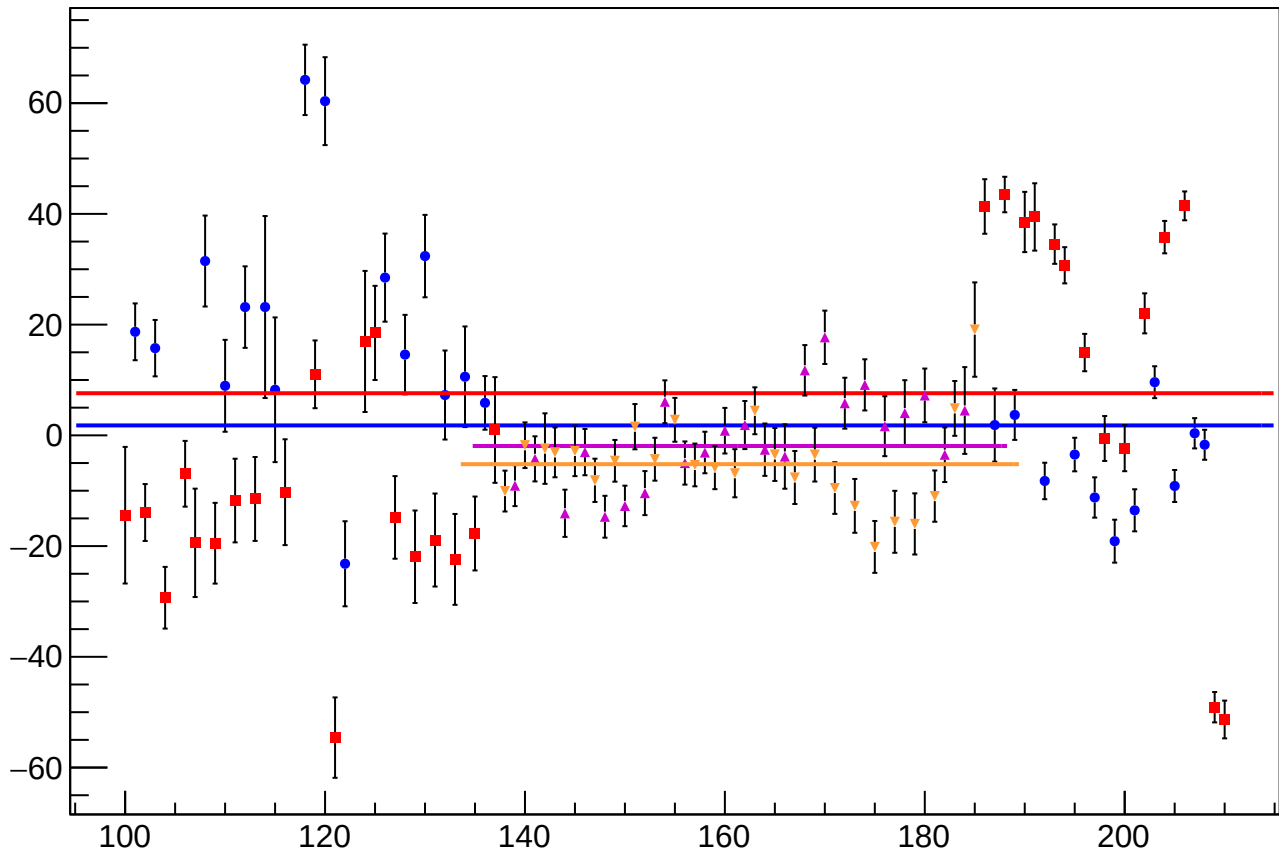
diff_bpm0r05X_rms vs Slug



Right In: 67082.338 $\pm$ 12.079 χ^2 /NDF: 636148.8/26
 Left Out: 88417.953 $\pm$ 14.312 χ^2 /NDF: 481954.0/24
 Right Out: 67148.044 $\pm$ 11.273 χ^2 /NDF: 581494.7/32
 Left In: 88023.592 $\pm$ 14.651 χ^2 /NDF: 484812.2/22

+ sign 75957.541 $\pm$ 9.231 χ^2 /NDF: 2416019.7/51
 All: 75417.133 $\pm$ 6.420 χ^2 /NDF: 4764200.4/1
 - sign 74910.866 $\pm$ 8.934 χ^2 /NDF: 2341542.1/55

diff_bpm0r05Y_mean vs Slug



Right In: 1.793 ± 0.874 χ^2/NDF : 331.6/26

Left Out: -5.206 ± 0.894 χ^2/NDF : 51.0/24

Right Out: 7.610 ± 0.823 χ^2/NDF : 1601.1/32

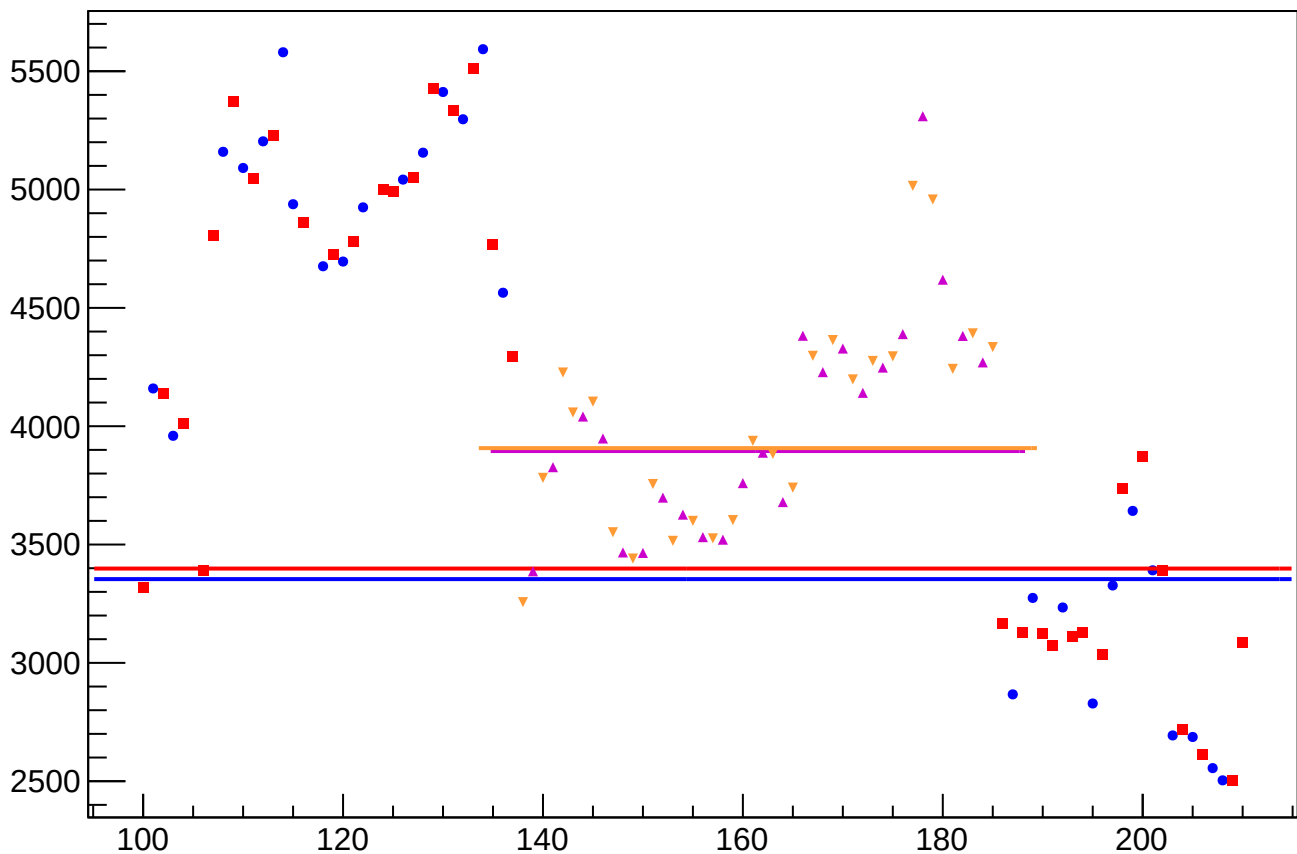
Left In: -1.924 ± 0.916 χ^2/NDF : 83.2/22

+ sign -1.627 ± 0.625 χ^2/NDF : 413.9/51

All: 0.915 ± 0.437 χ^2/NDF : 2190.7/107

- sign 3.355 ± 0.612 χ^2/NDF : 1744.3/55

diff_bpm0r05Y_rms vs Slug



Right In: 3353.938 $\pm$ 0.618 χ^2 /NDF: 2078528.2/26

Left Out: 3907.465 $\pm$ 0.632 χ^2 /NDF: 441202.5/24

Right Out: 3398.513 $\pm$ 0.582 χ^2 /NDF: 1974579.3/32

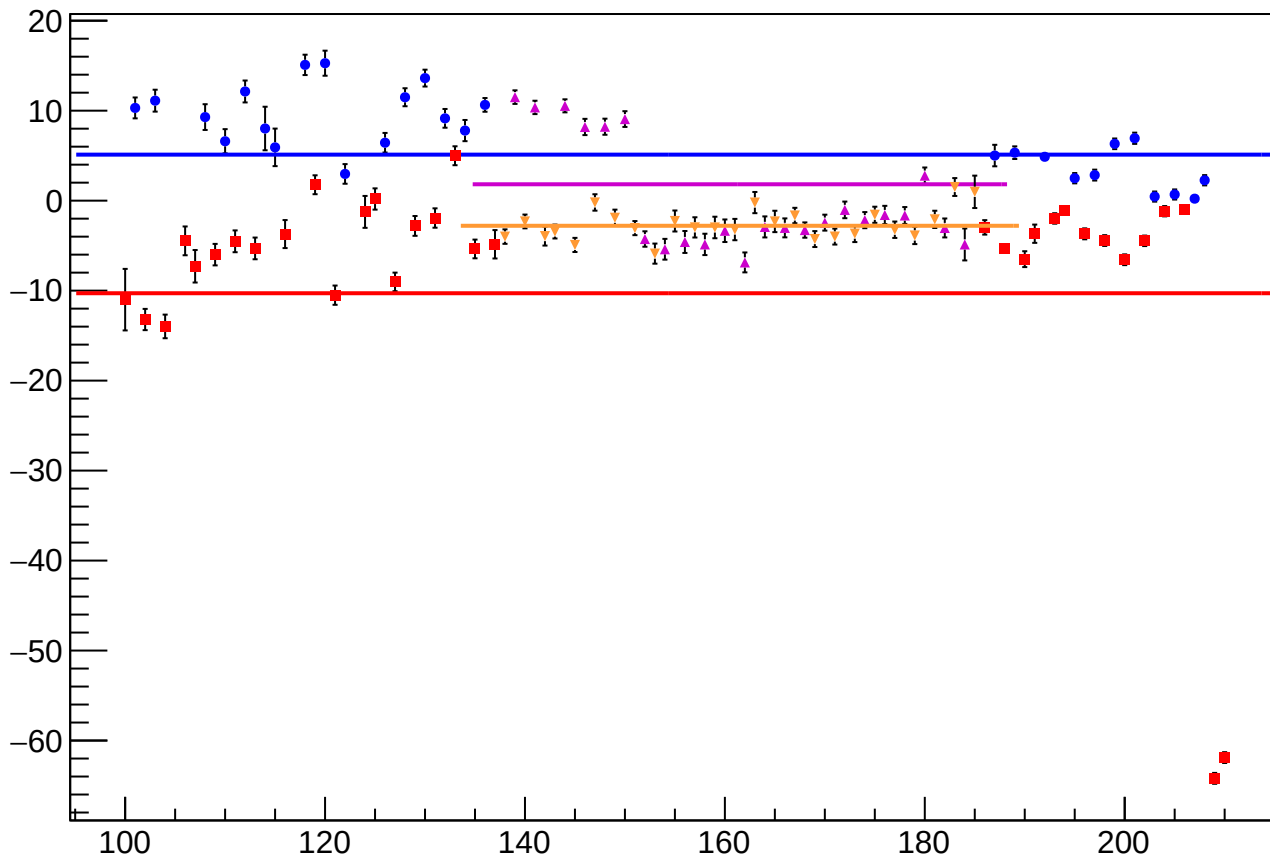
Left In: 3895.108 $\pm$ 0.648 χ^2 /NDF: 409913.9/22

+ sign 3624.440 $\pm$ 0.442 χ^2 /NDF: 2911897.5/51

All: 3622.251 $\pm$ 0.309 χ^2 /NDF: 5621710.2/10

- sign 3620.151 $\pm$ 0.433 χ^2 /NDF: 2709764.6/55

diff_bpm2i01X_mean vs Slug



Right In: 5.114 ± 0.154 χ^2/NDF : 701.8/26

Left Out: -2.792 ± 0.190 χ^2/NDF : 68.4/24

Right Out: -10.289 ± 0.142 χ^2/NDF : 17687.6/32

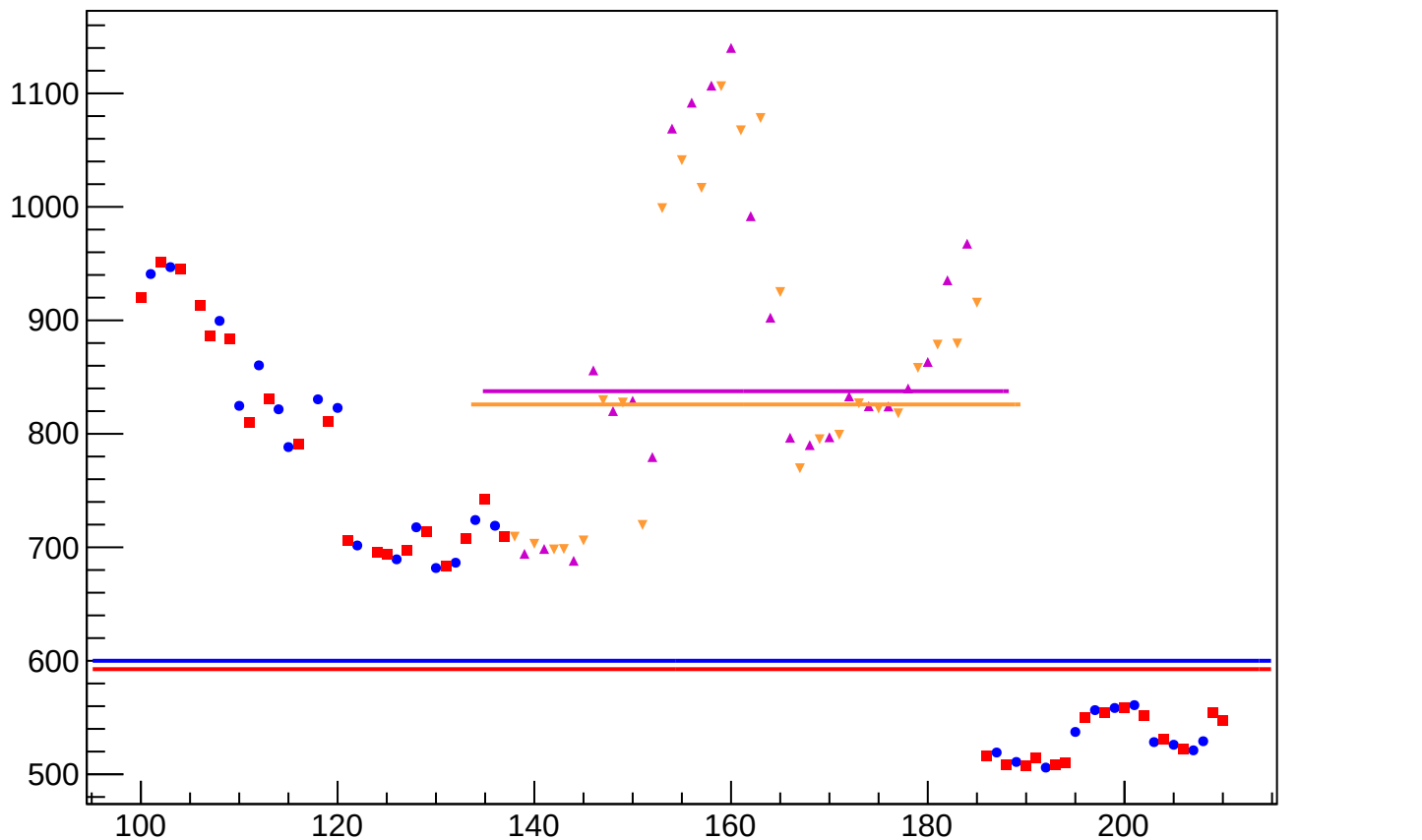
Left In: 1.820 ± 0.198 χ^2/NDF : 1026.0/22

+ sign 1.989 ± 0.119 χ^2/NDF : 1816.7/51

All: -2.248 ± 0.083 χ^2/NDF : 25429.1/107

- sign -6.192 ± 0.115 χ^2/NDF : 21184.2/55

diff_bpm2i01X_rms vs Slug



Right In: 600.014+/-0.109 χ^2/NDF : 1194596.4/26

Left Out: 825.883+/-0.134 χ^2/NDF : 765050.9/24

Right Out: 592.632+/-0.100 χ^2/NDF : 1346418.5/32

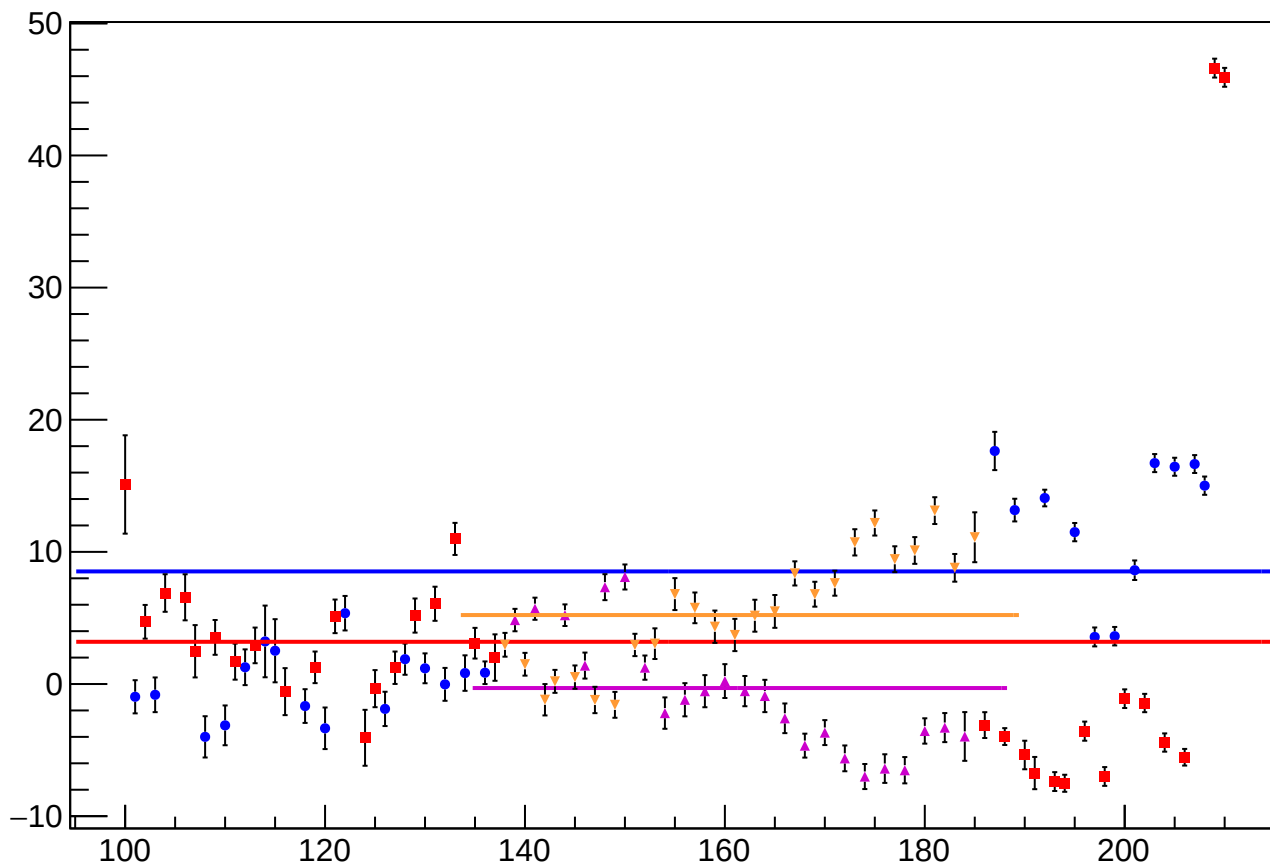
Left In: 837.569+/-0.140 χ^2/NDF : 714157.0/22

+ sign 689.284+/-0.084 χ^2/NDF : 3667709.4/51

All: 682.146+/-0.059 χ^2/NDF : 7763708.2/107

- sign 675.505+/-0.082 χ^2/NDF : 4082224.1/55

diff_bpm2i01Y_mean vs Slug



Right In: 8.521 ± 0.182 $\chi^2/\text{NDF}: 1469.4/26$

Left Out: 5.219 ± 0.204 $\chi^2/\text{NDF}: 449.9/24$

Right Out: 3.195 ± 0.168 $\chi^2/\text{NDF}: 8848.1/32$

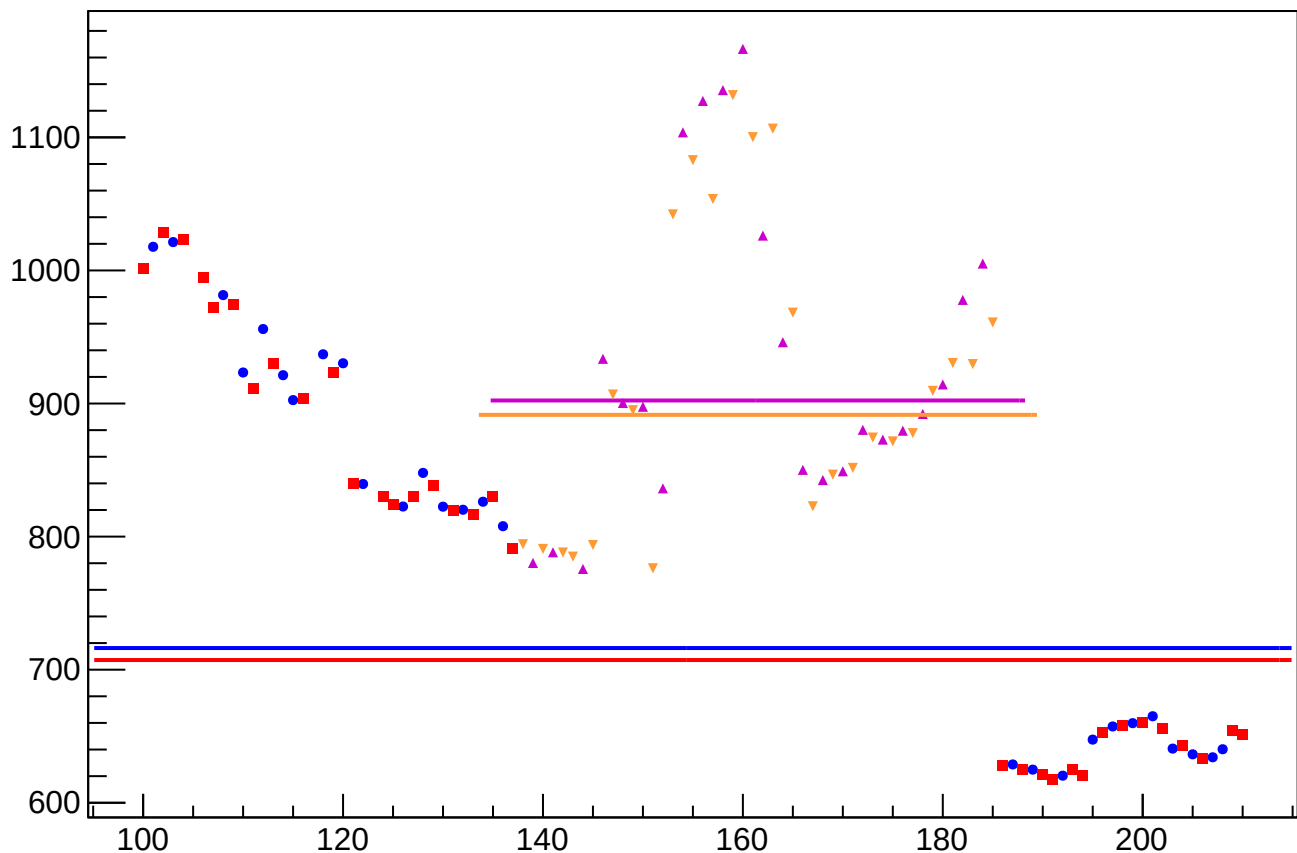
Left In: -0.304 ± 0.213 $\chi^2/\text{NDF}: 495.2/22$

+ sign 7.057 ± 0.136 $\chi^2/\text{NDF}: 2064.6/51$

All: 4.372 ± 0.095 $\chi^2/\text{NDF}: 12329.5/107$

- sign 1.848 ± 0.132 $\chi^2/\text{NDF}: 9509.9/55$

diff_bpm2i01Y_rms vs Slug



Right In: 716.266 $\pm$ 0.129 χ^2 /NDF: 864262.6/26

Left Out: 891.492 $\pm$ 0.145 χ^2 /NDF: 517791.6/24

Right Out: 707.256 $\pm$ 0.119 χ^2 /NDF: 983379.1/32

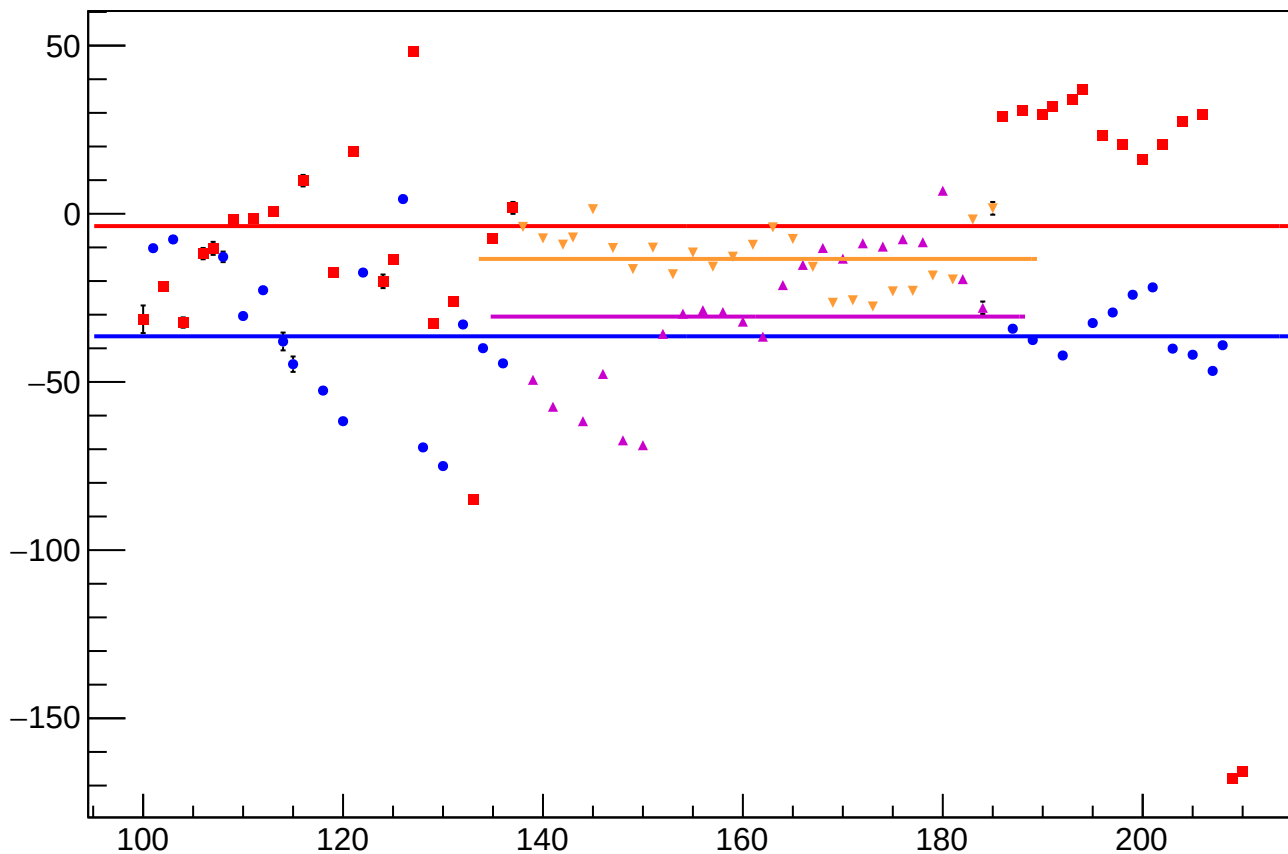
Left In: 902.292 $\pm$ 0.150 χ^2 /NDF: 484924.8/22

+ sign 793.986 $\pm$ 0.096 χ^2 /NDF: 2200189.6/51

All: 787.990 $\pm$ 0.067 χ^2 /NDF: 4710539.4/107

- sign 782.354 $\pm$ 0.093 χ^2 /NDF: 2502820.5/55

diff_bpm2i02X_mean vs Slug



Right In: -36.430 ± 0.179 χ^2/NDF : 6467.7/26

Left Out: -13.420 ± 0.206 χ^2/NDF : 1663.3/24

Right Out: -3.665 ± 0.166 χ^2/NDF : 134083.5/32

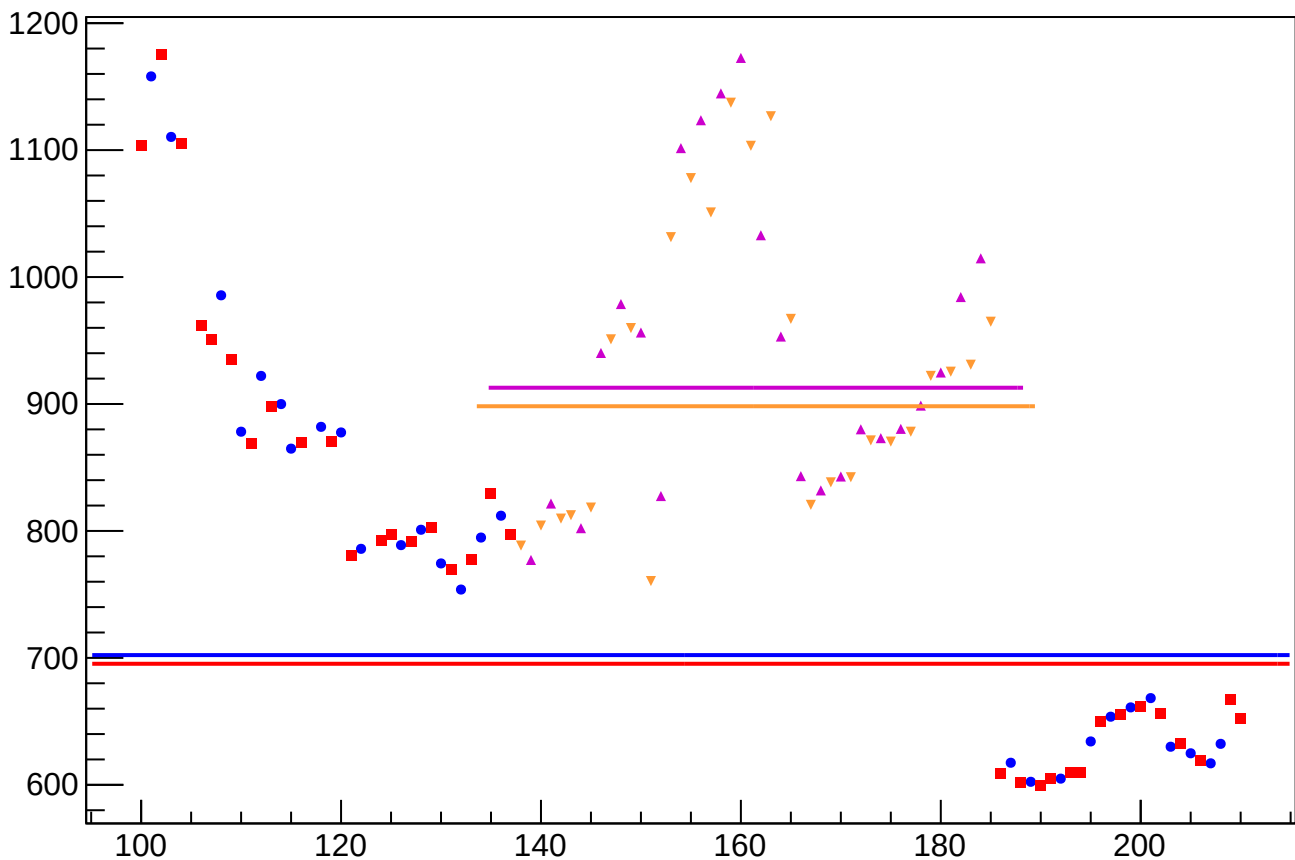
Left In: -30.571 ± 0.215 χ^2/NDF : 10386.5/22

+ sign -26.525 ± 0.135 χ^2/NDF : 15239.8/51

All: -19.907 ± 0.094 χ^2/NDF : 174191.6/107

- sign -13.669 ± 0.131 χ^2/NDF : 154292.6/55

diff_bpm2i02X_rms vs Slug



Right In: 702.204 $\pm$ 0.127 χ^2 /NDF: 936026.9/26

Left Out: 898.227 $\pm$ 0.146 χ^2 /NDF: 518370.6/24

Right Out: 695.365 $\pm$ 0.117 χ^2 /NDF: 1036913.7/32

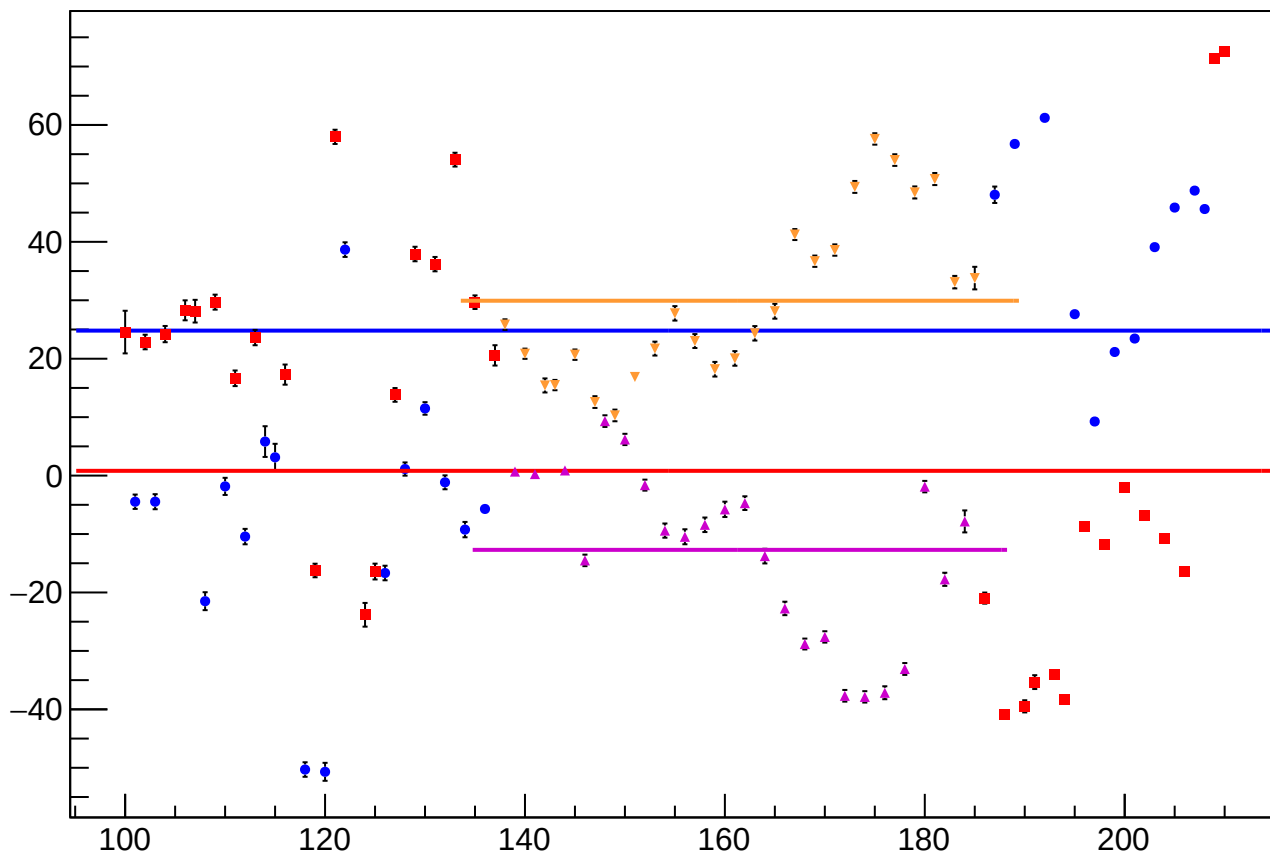
Left In: 912.817 $\pm$ 0.152 χ^2 /NDF: 480021.0/22

+ sign 786.588 $\pm$ 0.096 χ^2 /NDF: 2486247.1/51

All: 781.247 $\pm$ 0.067 χ^2 /NDF: 5292413.5/107

- sign 776.211 $\pm$ 0.093 χ^2 /NDF: 2800095.9/55

diff_bpm2i02Y_mean vs Slug



Right In: 24.809 ± 0.177 $\chi^2/\text{NDF}: 23157.1/26$

Left Out: 29.922 ± 0.209 $\chi^2/\text{NDF}: 4580.4/24$

Right Out: 0.815 ± 0.163 $\chi^2/\text{NDF}: 46046.6/32$

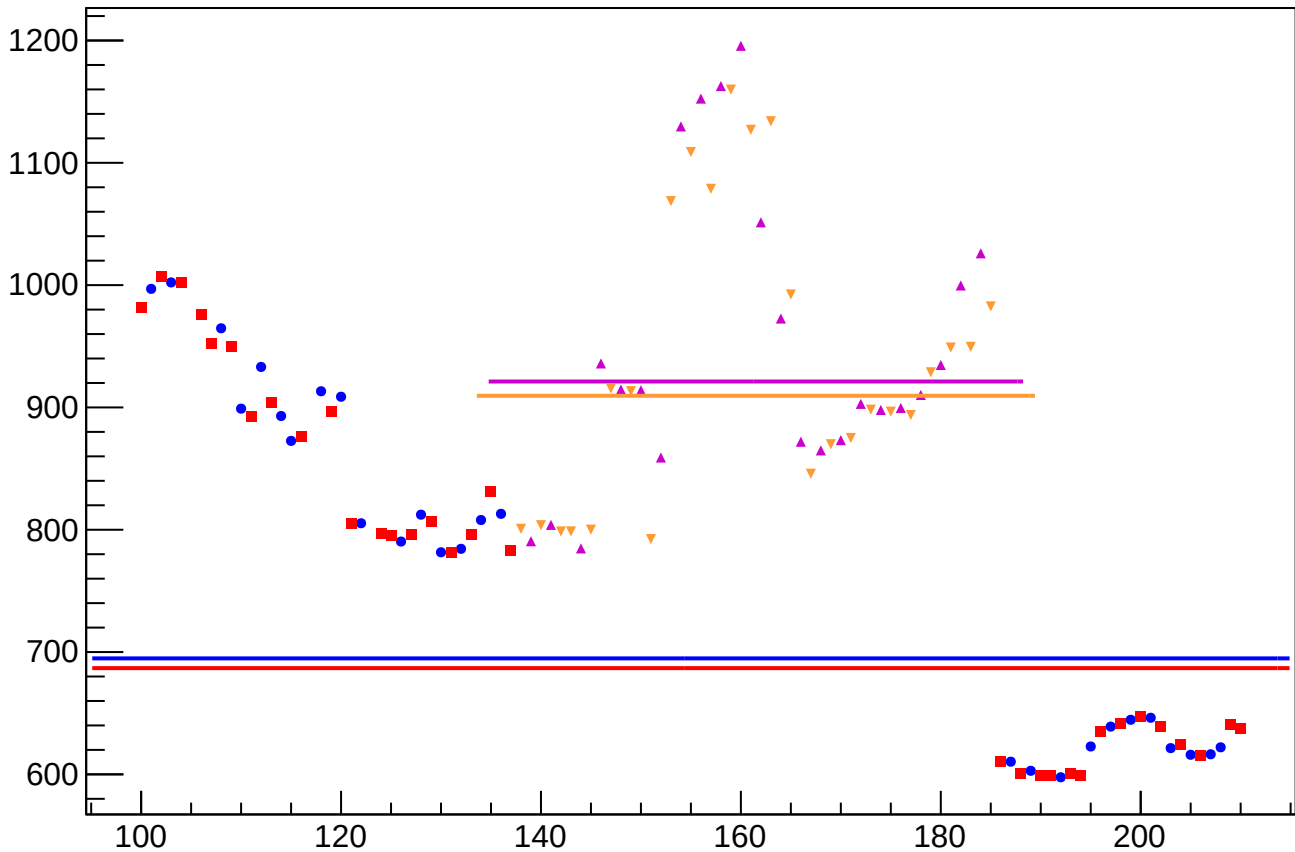
Left In: -12.708 ± 0.217 $\chi^2/\text{NDF}: 4791.2/22$

+ sign 26.950 ± 0.135 $\chi^2/\text{NDF}: 28086.8/51$

All: 10.924 ± 0.094 $\chi^2/\text{NDF}: 108696.1/107$

- sign -4.076 ± 0.131 $\chi^2/\text{NDF}: 53313.9/55$

diff_bpm2i02Y_rms vs Slug



Right In: 694.821+/-0.125 χ^2/NDF : 894563.8/26

Left Out: 909.552+/-0.147 χ^2/NDF : 541710.0/24

Right Out: 686.858+/-0.116 χ^2/NDF : 1005299.0/32

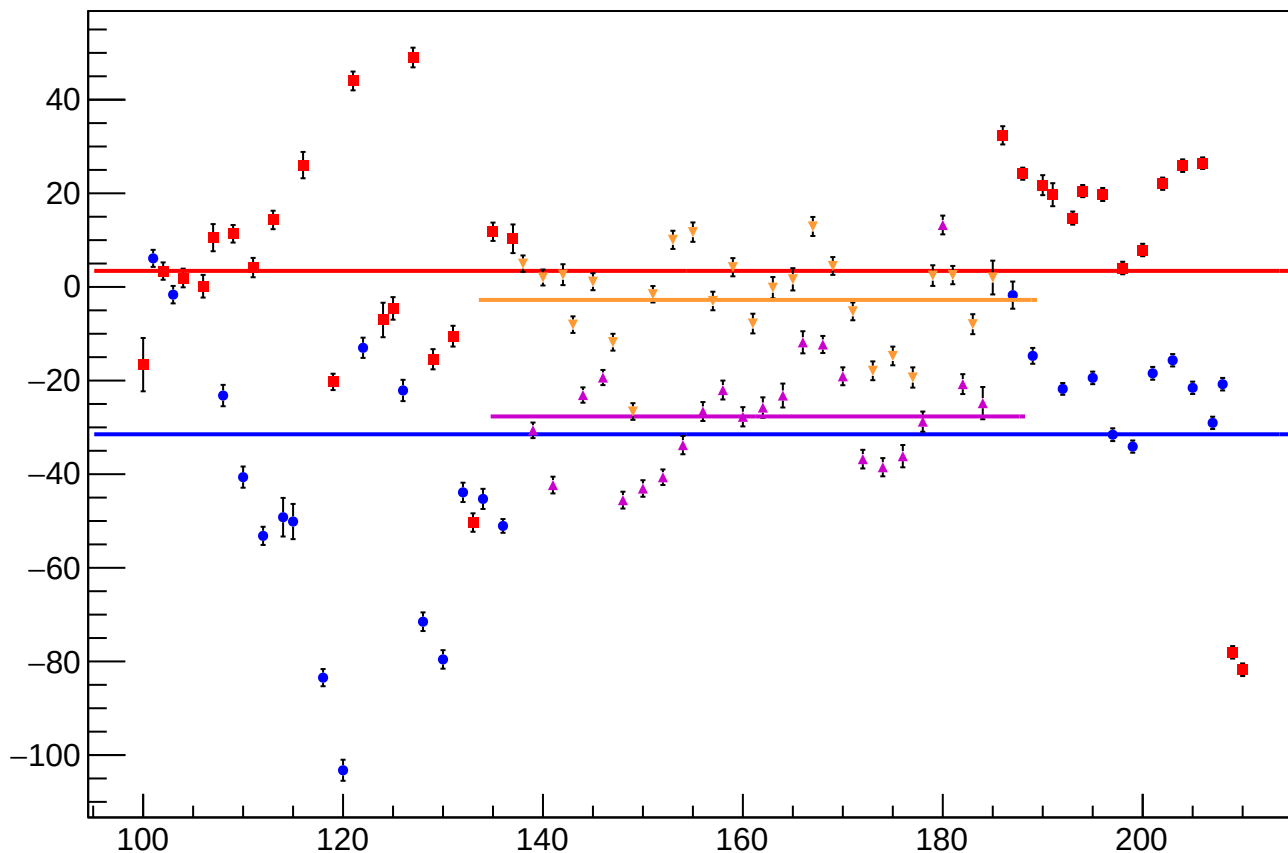
Left In: 921.198+/-0.154 χ^2/NDF : 497337.0/22

+ sign 784.755+/-0.095 χ^2/NDF : 2668461.7/51

All: 777.963+/-0.066 χ^2/NDF : 5668058.0/107

- sign 771.606+/-0.092 χ^2/NDF : 2989791.7/55

diff_bpm0i02X_mean vs Slug



Right In: -31.476 ± 0.328 $\chi^2/\text{NDF}: 4749.6/26$

Left Out: -2.767 ± 0.397 $\chi^2/\text{NDF}: 616.1/24$

Right Out: 3.430 ± 0.305 $\chi^2/\text{NDF}: 11631.9/32$

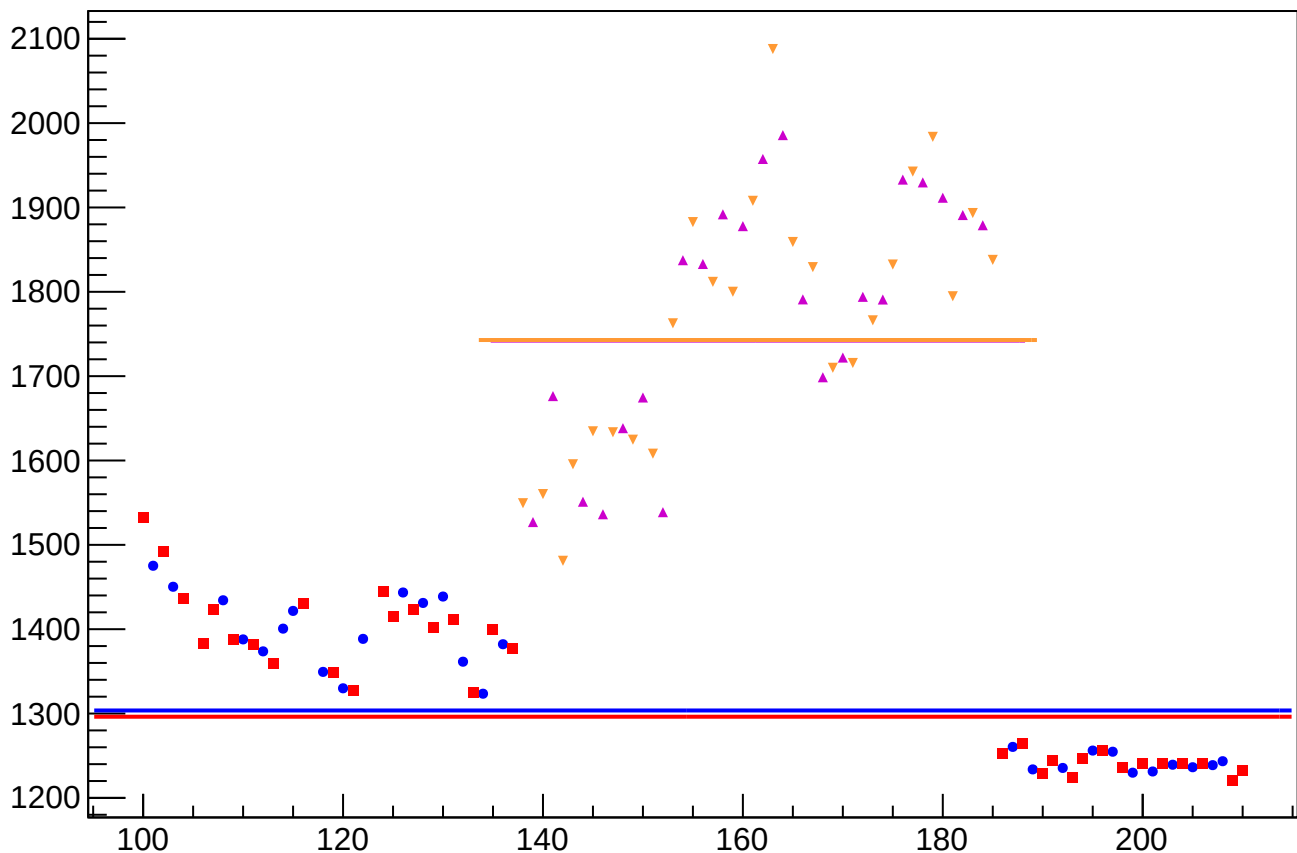
Left In: -27.663 ± 0.409 $\chi^2/\text{NDF}: 989.9/22$

+ sign -19.842 ± 0.253 $\chi^2/\text{NDF}: 8469.3/51$

All: -13.548 ± 0.176 $\chi^2/\text{NDF}: 26006.3/107$

- sign -7.679 ± 0.244 $\chi^2/\text{NDF}: 16341.1/55$

diff_bpm0i02X_rms vs Slug



Right In: 1303.640 $\pm$ 0.232 χ^2 /NDF: 127949.9/26

Left Out: 1742.842 $\pm$ 0.281 χ^2 /NDF: 263118.4/24

Right Out: 1296.235 $\pm$ 0.215 χ^2 /NDF: 136665.0/32

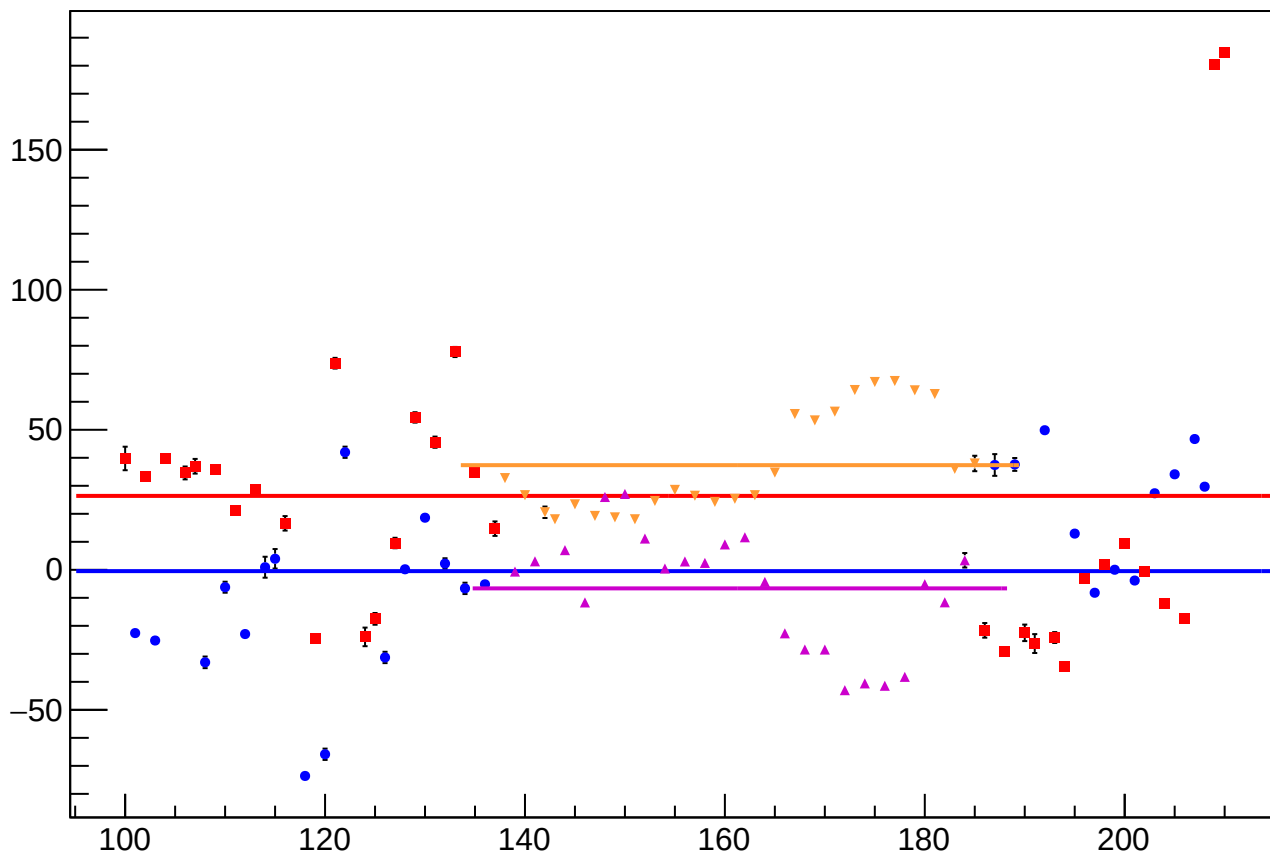
Left In: 1742.153 $\pm$ 0.289 χ^2 /NDF: 261606.6/22

+ sign 1481.631 $\pm$ 0.179 χ^2 /NDF: 1843877.7/51

All: 1468.138 $\pm$ 0.124 χ^2 /NDF: 3783150.3/10

- sign 1455.555 $\pm$ 0.173 χ^2 /NDF: 1928279.0/55

diff_bpm0i02Y_mean vs Slug



Right In: -0.466 ± 0.352 χ^2/NDF : 7624.0/26

Left Out: 37.369 ± 0.308 χ^2/NDF : 3395.8/24

Right Out: 26.395 ± 0.332 χ^2/NDF : 27093.9/32

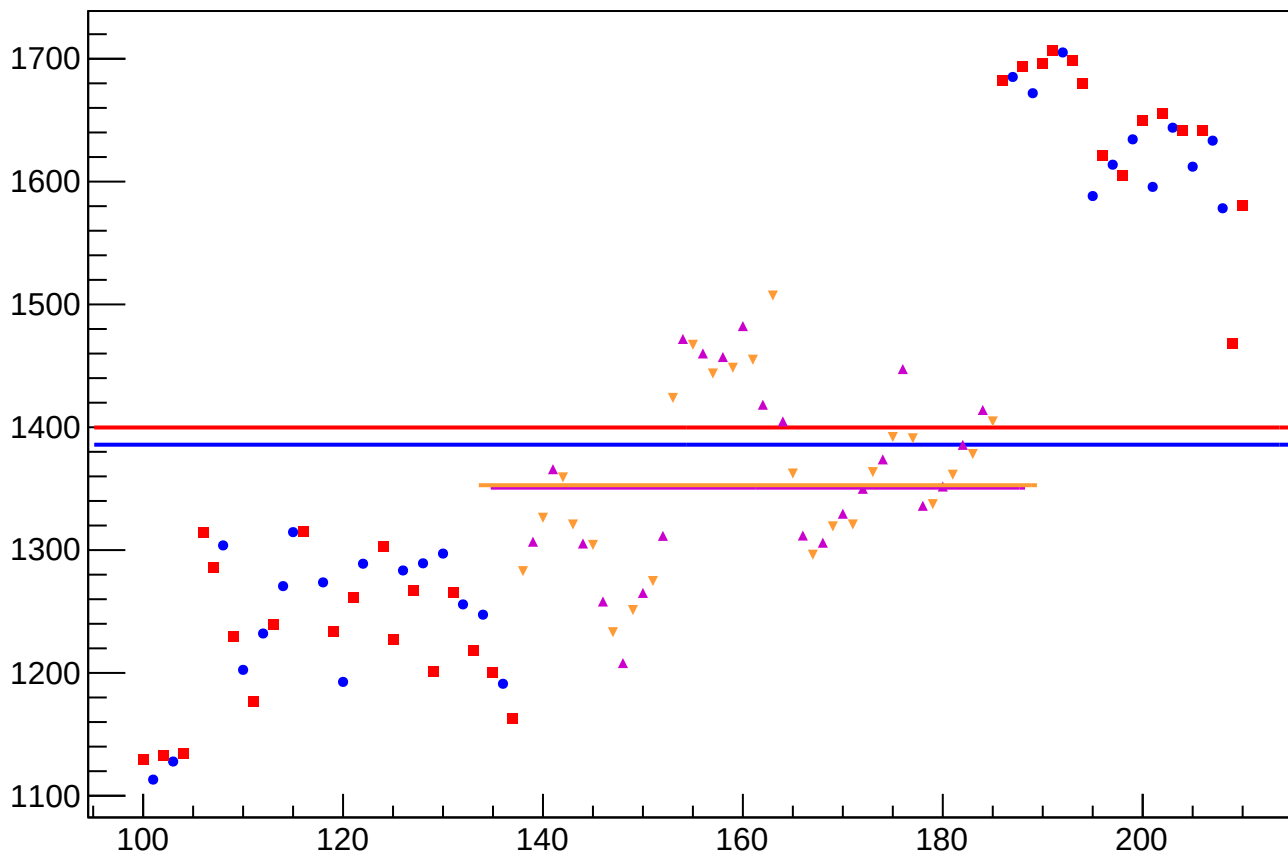
Left In: -6.631 ± 0.316 χ^2/NDF : 4410.3/22

+ sign 20.970 ± 0.232 χ^2/NDF : 17566.0/51

All: 14.941 ± 0.163 χ^2/NDF : 55592.8/107

- sign 9.052 ± 0.229 χ^2/NDF : 36689.0/55

diff_bpm0i02Y_rms vs Slug



Right In: 1385.810 $\pm$ 0.249 χ^2 /NDF: 680505.2/26

Left Out: 1352.820 $\pm$ 0.218 χ^2 /NDF:104845.3/24

Right Out: 1399.815 $\pm$ 0.235 χ^2 /NDF: 834575.4/32

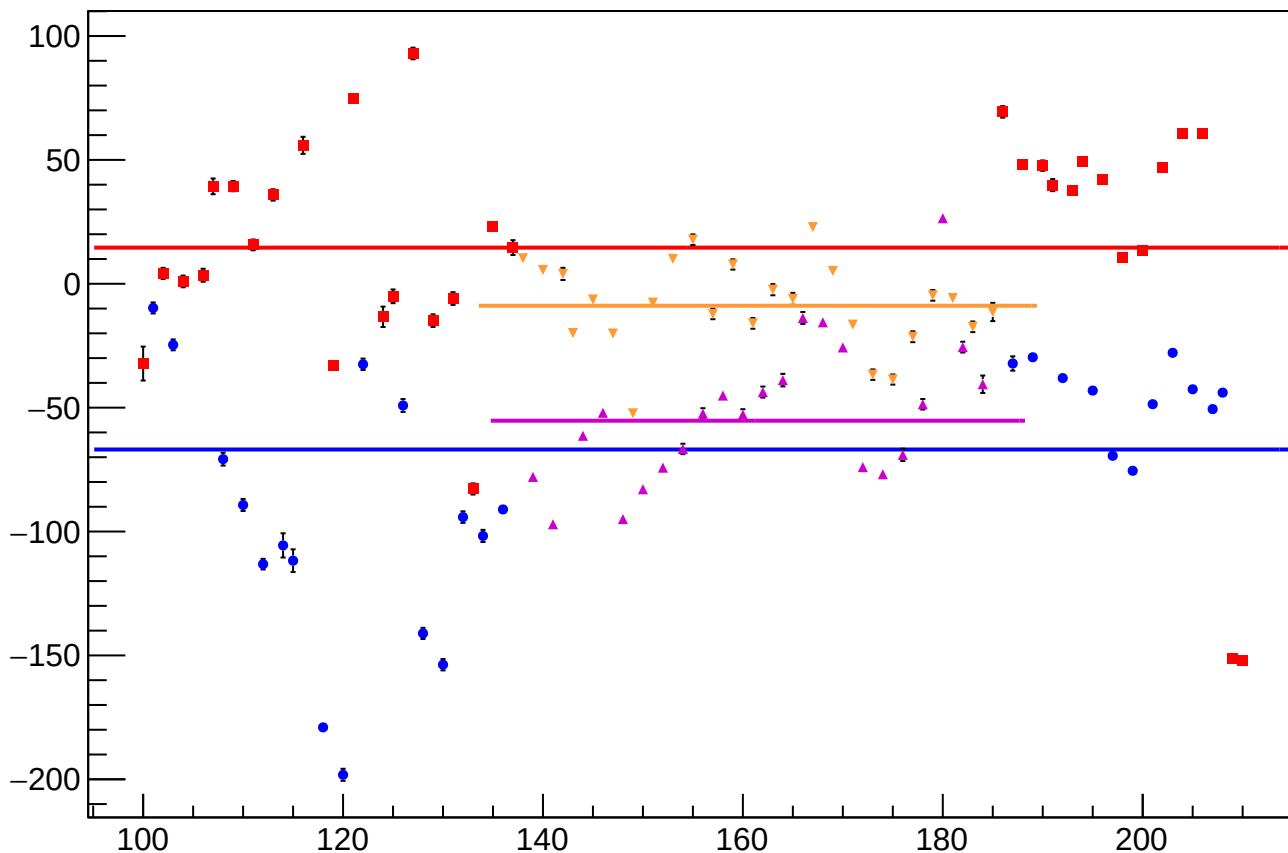
Left In: 1350.830 $\pm$ 0.223 χ^2 /NDF:108618.5/22

+ sign 1367.119 $\pm$ 0.164 χ^2 /NDF: 795304.7/51

All: 1370.646 $\pm$ 0.115 χ^2 /NDF: 1762226.6/10

- sign 1374.092 $\pm$ 0.162 χ^2 /NDF: 966006.0/55

diff_bpm0i02aX_mean vs Slug



Right In: -66.890 ± 0.367 χ^2/NDF : 13876.1/26

Left Out: -8.859 ± 0.407 χ^2/NDF : 1953.2/24

Right Out: 14.586 ± 0.338 χ^2/NDF : 32780.6/32

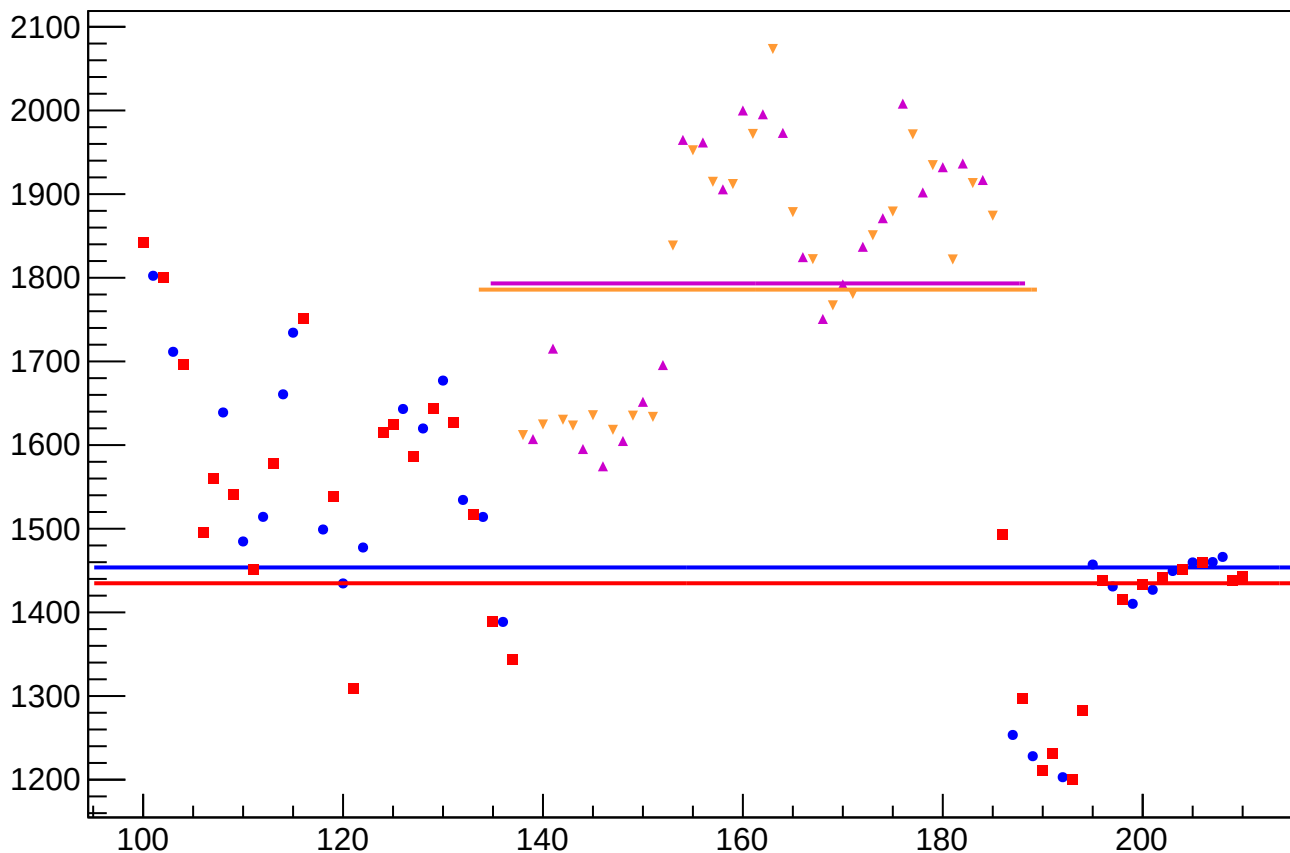
Left In: -55.266 ± 0.420 χ^2/NDF : 4736.1/22

+ sign -40.896 ± 0.273 χ^2/NDF : 27042.8/51

All: -26.409 ± 0.189 χ^2/NDF : 86784.2/107

- sign -12.858 ± 0.264 χ^2/NDF : 54271.8/55

diff_bpm0i02aX_rms vs Slug



Right In: 1453.715 $\pm$ 0.259 χ^2 /NDF: 281683.0/26

Left Out: 1785.836 $\pm$ 0.288 χ^2 /NDF: 237239.4/24

Right Out: 1434.810 $\pm$ 0.239 χ^2 /NDF: 330940.6/32

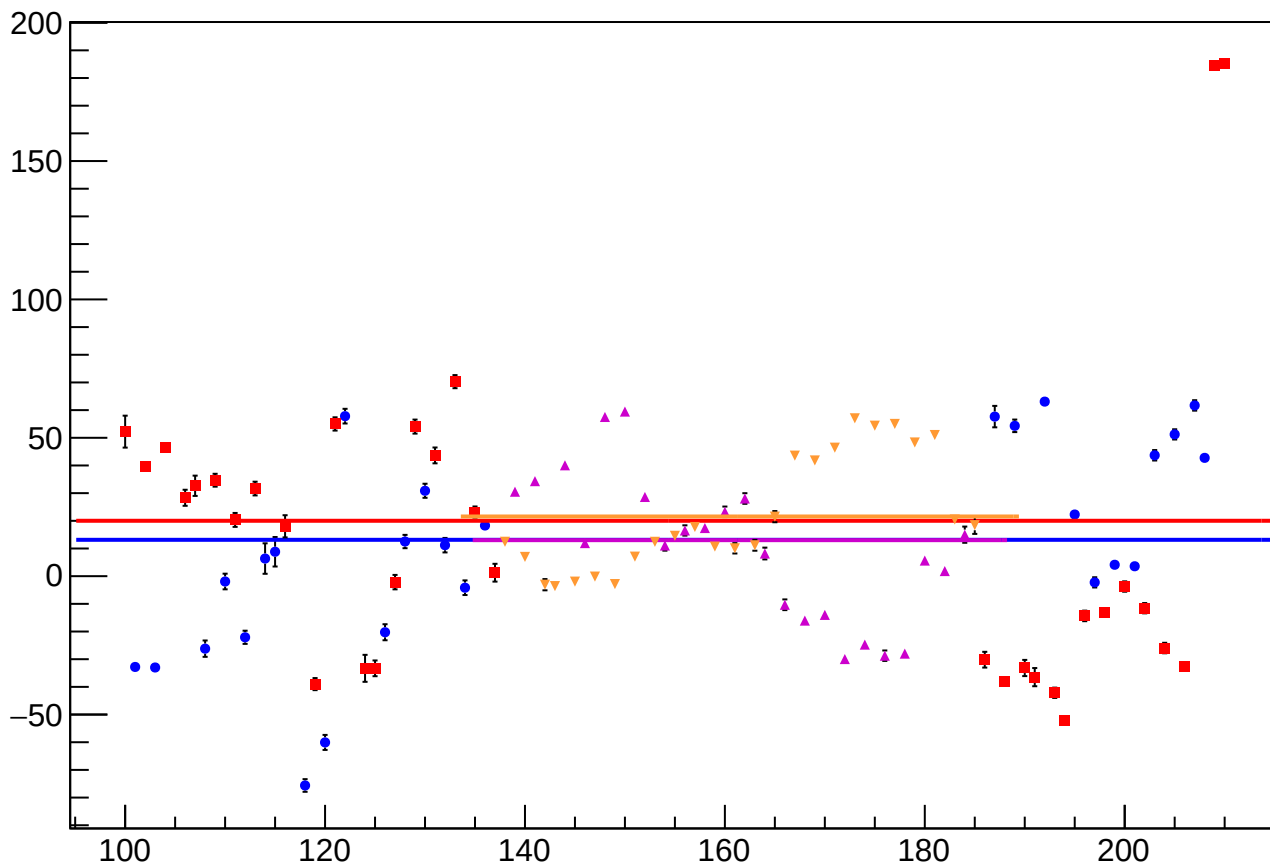
Left In: 1793.249 $\pm$ 0.297 χ^2 /NDF: 252788.2/22

+ sign 1602.484 $\pm$ 0.193 χ^2 /NDF: 1253513.3/51

All: 1588.612 $\pm$ 0.134 χ^2 /NDF: 2729622.9/10

- sign 1575.637 $\pm$ 0.186 χ^2 /NDF: 1466080.2/55

diff_bpm0i02aY_mean vs Slug



Right In: 13.138 $\pm$ 0.417 χ^2 /NDF: 7661.8/26

Left Out: 21.567 $\pm$ 0.330 χ^2 /NDF: 4160.8/24

Right Out: 20.019 $\pm$ 0.387 χ^2 /NDF: 30430.4/32

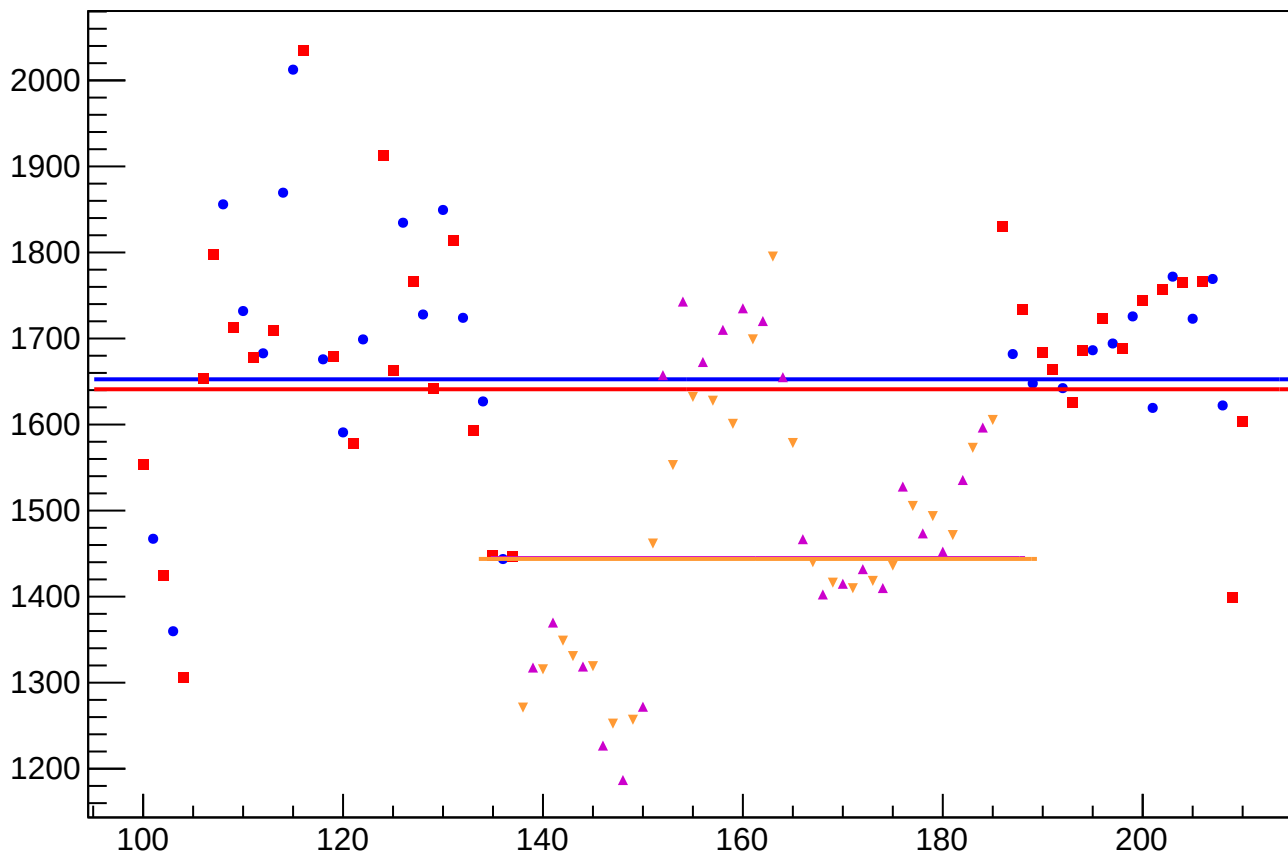
Left In: 13.014 $\pm$ 0.340 χ^2 /NDF: 6627.2/22

+ sign 18.322 $\pm$ 0.259 χ^2 /NDF: 12073.9/51

All: 17.179 $\pm$ 0.182 χ^2 /NDF: 49355.0/107

- sign 16.066 $\pm$ 0.255 χ^2 /NDF: 37242.6/55

diff_bpm0i02aY_rms vs Slug



Right In: 1652.587 $\pm$ 0.295 χ^2 /NDF: 188191.9/26

Left Out: 1443.826 $\pm$ 0.233 χ^2 /NDF: 352397.9/24

Right Out: 1641.006 $\pm$ 0.274 χ^2 /NDF: 277786.5/32

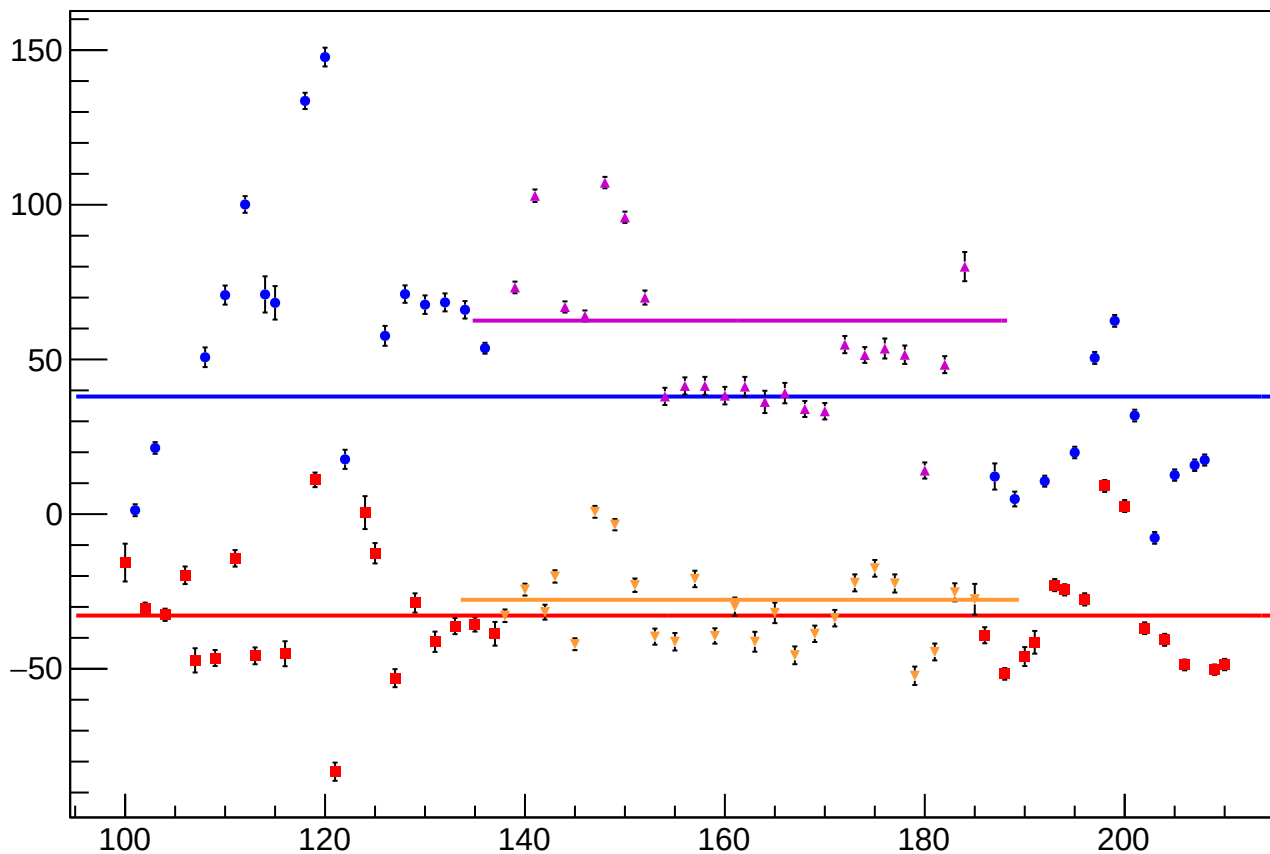
Left In: 1444.817 $\pm$ 0.240 χ^2 /NDF: 485230.7/22

+ sign 1524.200 $\pm$ 0.183 χ^2 /NDF: 848894.6/51

All: 1527.289 $\pm$ 0.129 χ^2 /NDF: 1902572.0/10

- sign 1530.300 $\pm$ 0.181 χ^2 /NDF: 1053114.4/55

diff_bpm0i05X_mean vs Slug



Right In: 38.009 ± 0.445 χ^2/NDF : 6222.2/26

Left Out: -27.692 ± 0.496 χ^2/NDF : 766.1/24

Right Out: -32.787 ± 0.412 χ^2/NDF : 2214.2/32

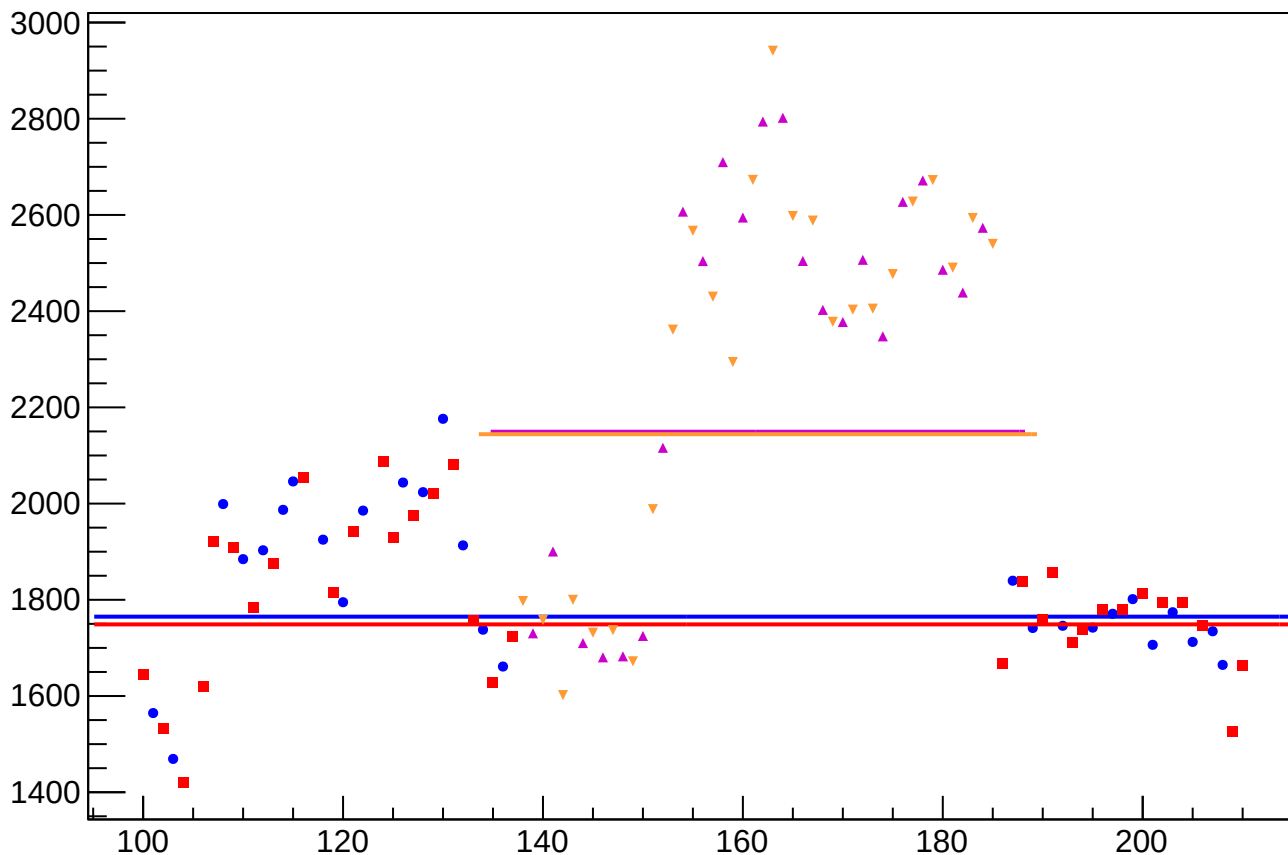
Left In: 62.558 ± 0.512 χ^2/NDF : 2458.2/22

+ sign 8.694 ± 0.331 χ^2/NDF : 16704.5/51

All: 6.639 ± 0.231 χ^2/NDF : 42511.2/107

- sign 4.712 ± 0.321 χ^2/NDF : 25732.1/55

diff_bpm0i05X_rms vs Slug



Right In: 1764.954 $\pm$ 0.315 χ^2 /NDF: 209994.9/26

Left Out: 2144.219 $\pm$ 0.351 χ^2 /NDF:1279852.9/24

Right Out: 1748.893 $\pm$ 0.291 χ^2 /NDF: 245688.3/32

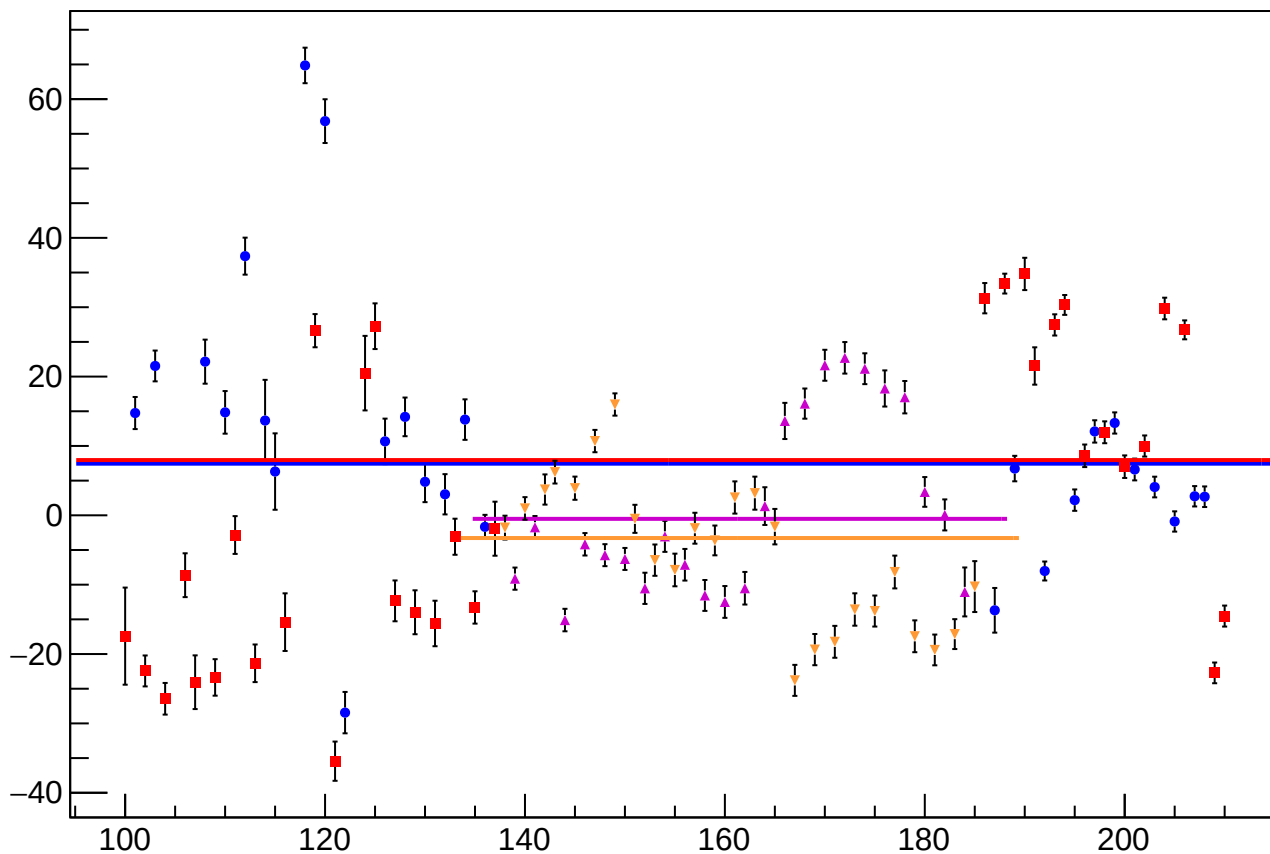
Left In: 2149.354 $\pm$ 0.362 χ^2 /NDF:1265722.5/22

+ sign 1934.180 $\pm$ 0.234 χ^2 /NDF: 2137381.9/51

All: 1919.843 $\pm$ 0.163 χ^2 /NDF: 4399098.1/10

- sign 1906.391 $\pm$ 0.227 χ^2 /NDF: 2254458.2/55

diff_bpm0i05Y_mean vs Slug



Right In: 7.446 ± 0.393 $\chi^2/\text{NDF}: 1403.6/26$

Left Out: -3.275 ± 0.415 $\chi^2/\text{NDF}: 671.1/24$

Right Out: 7.964 ± 0.364 $\chi^2/\text{NDF}: 3451.7/32$

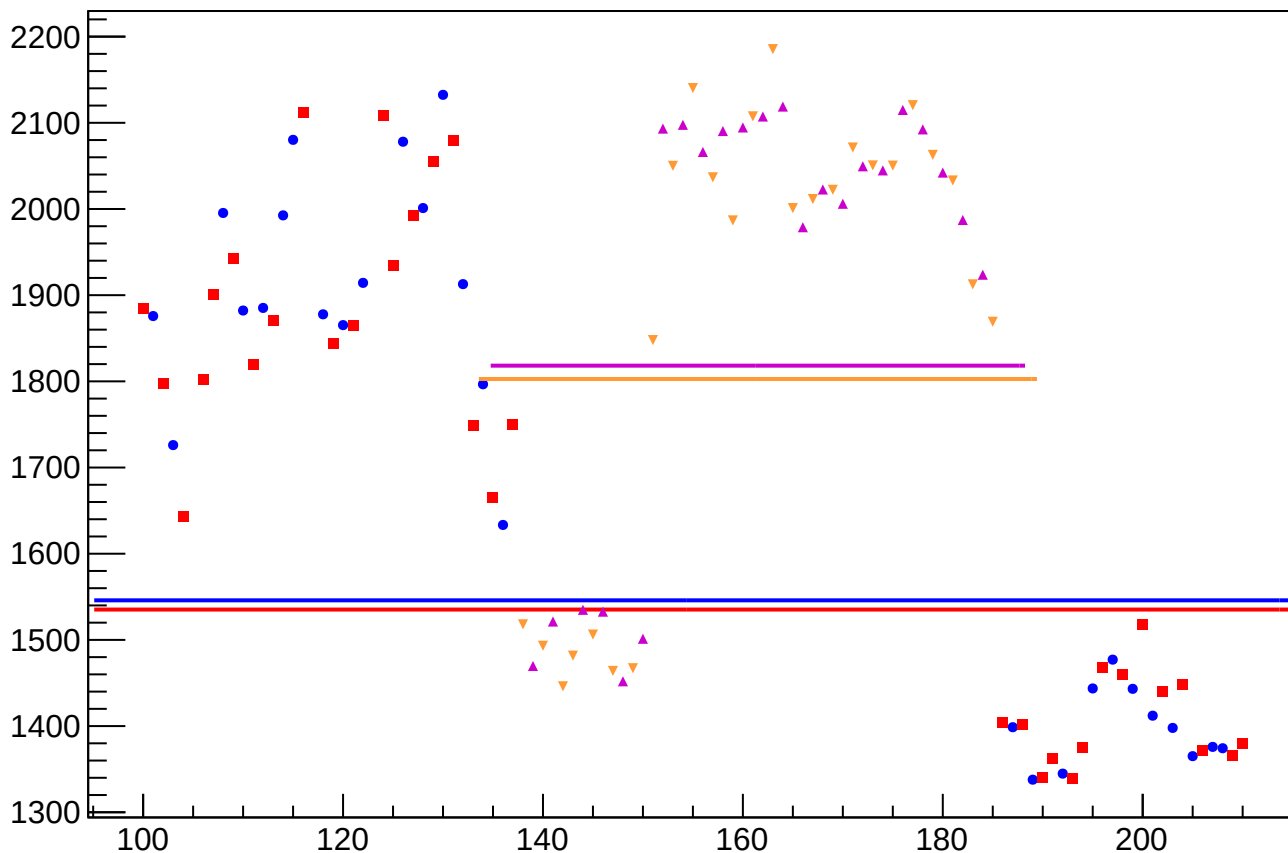
Left In: -0.511 ± 0.430 $\chi^2/\text{NDF}: 745.8/22$

+ sign 2.372 ± 0.285 $\chi^2/\text{NDF}: 2426.8/51$

All: 3.425 ± 0.199 $\chi^2/\text{NDF}: 6877.3/107$

- sign 4.424 ± 0.278 $\chi^2/\text{NDF}: 4423.9/55$

diff_bpm0i05Y_rms vs Slug



Right In: 1545.913 $\pm$ 0.278 χ^2 /NDF: 716187.0/26

Left Out: 1802.748 $\pm$ 0.293 χ^2 /NDF: 897375.1/24

Right Out: 1535.213 $\pm$ 0.257 χ^2 /NDF: 705825.0/32

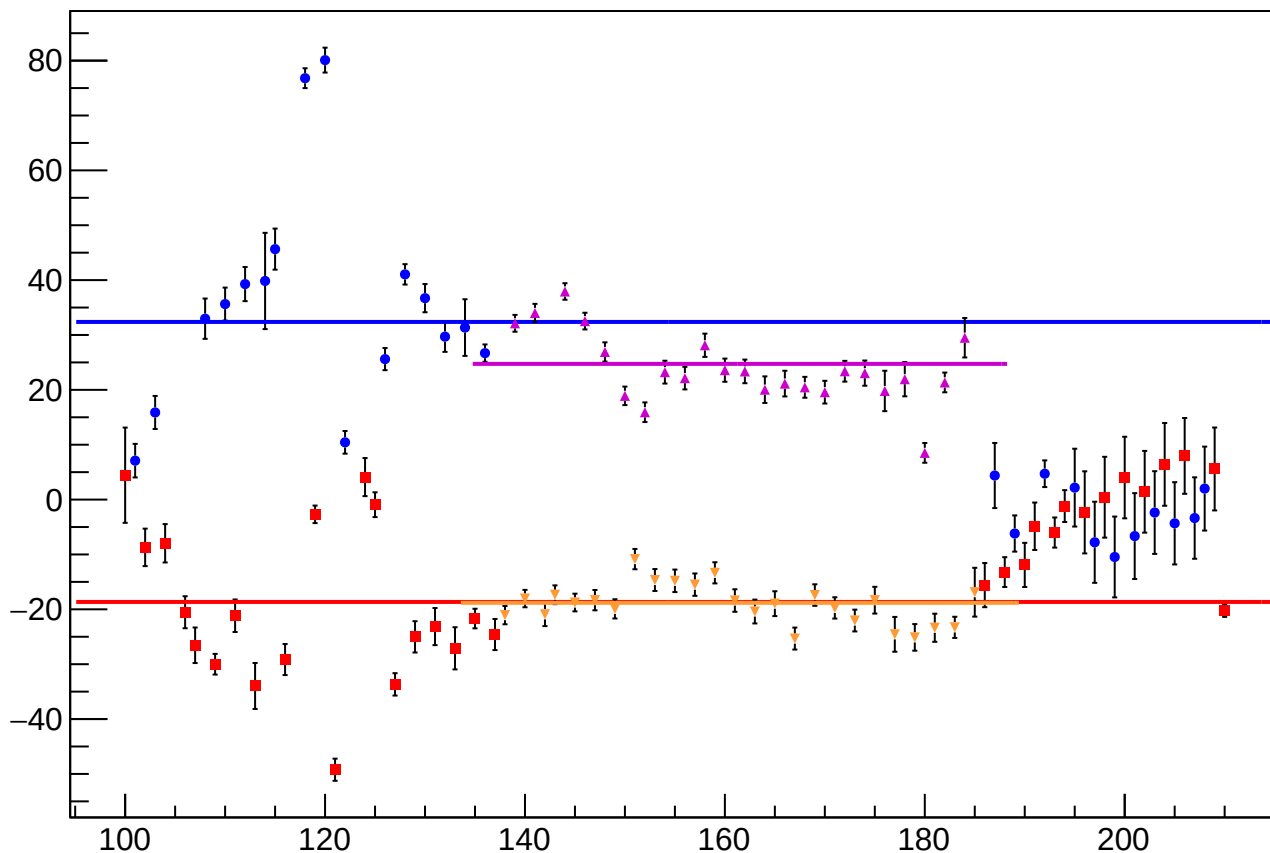
Left In: 1818.225 $\pm$ 0.304 χ^2 /NDF: 840353.0/22

+ sign 1667.458 $\pm$ 0.202 χ^2 /NDF: 2017774.5/51

All: 1660.265 $\pm$ 0.141 χ^2 /NDF: 4071381.3/10

- sign 1653.443 $\pm$ 0.196 χ^2 /NDF: 2051128.8/55

diff_bpm0i07X_mean vs Slug



Right In: 32.378 ± 0.576 $\chi^2/\text{NDF}: 1806.6/26$

Left Out: -18.816 ± 0.402 $\chi^2/\text{NDF}: 74.9/24$

Right Out: -18.654 ± 0.484 $\chi^2/\text{NDF}: 743.7/32$

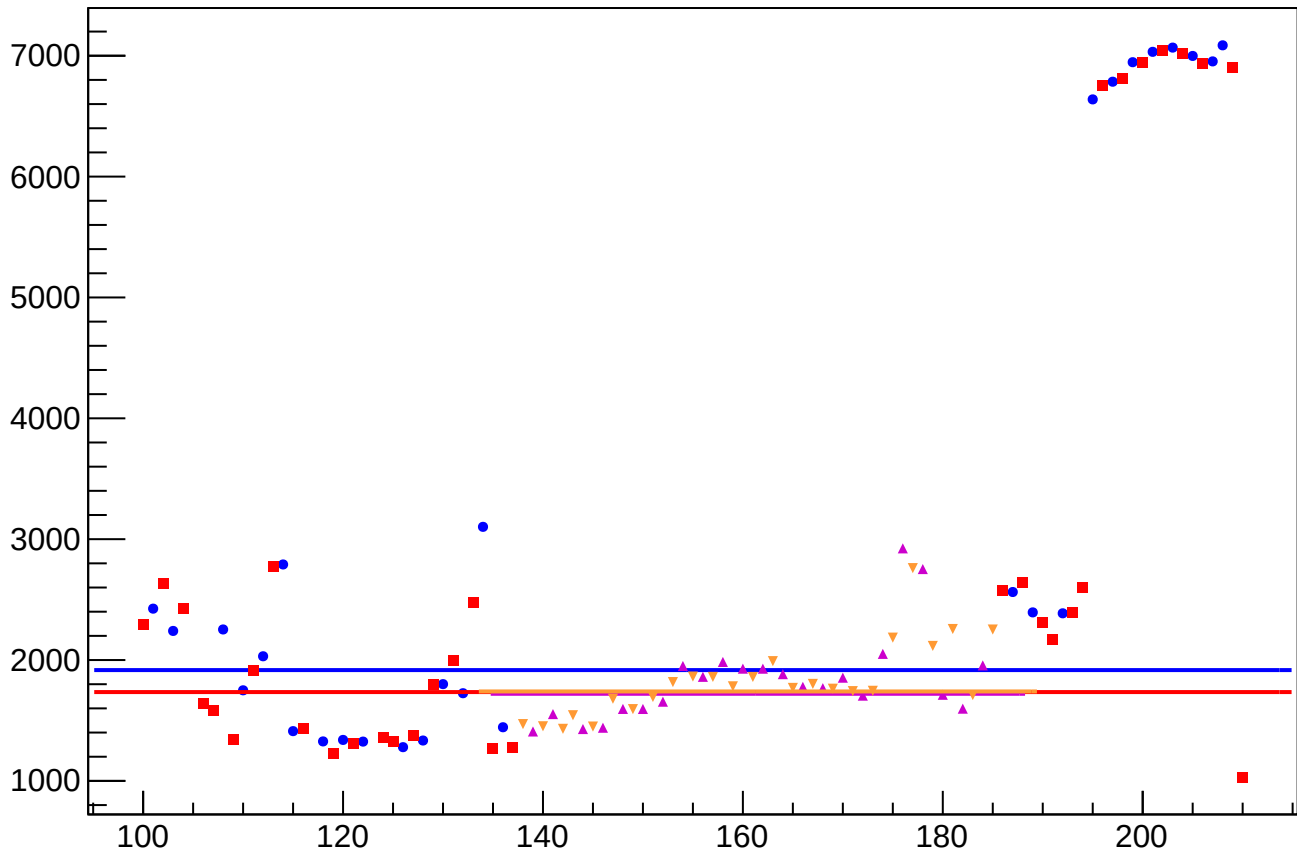
Left In: 24.731 ± 0.409 $\chi^2/\text{NDF}: 308.0/22$

+ sign -2.050 ± 0.330 $\chi^2/\text{NDF}: 7194.6/51$

All: 2.548 ± 0.227 $\chi^2/\text{NDF}: 13303.4/107$

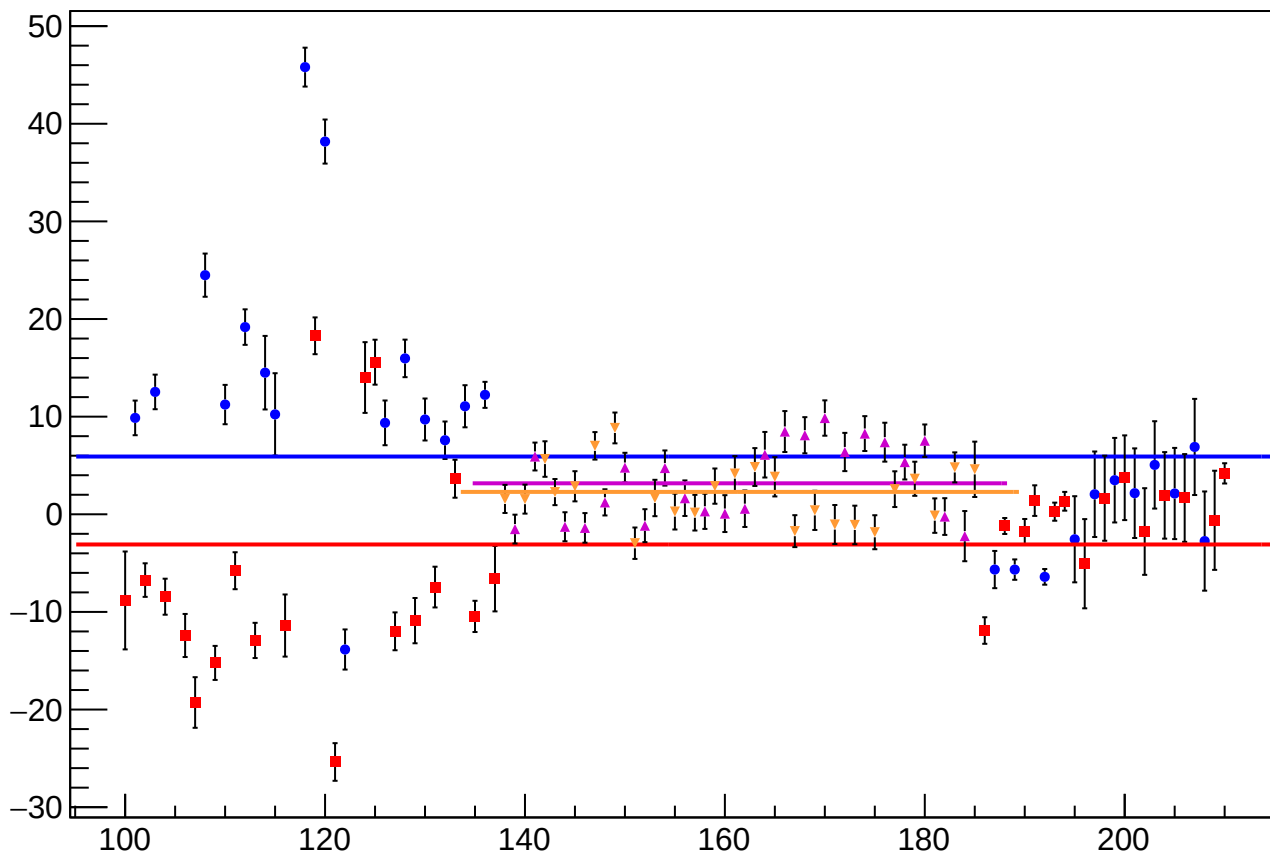
- sign 6.677 ± 0.312 $\chi^2/\text{NDF}: 5739.5/55$

diff_bpm0i07X_rms vs Slug



Right In: 1916.820 ± 0.407 $\chi^2/\text{NDF}: 8732143.6/26$ + sign 1797.967 ± 0.233 $\chi^2/\text{NDF}: 9612161.2/51$
 Left Out: 1740.089 ± 0.284 $\chi^2/\text{NDF}: 753377.5/24$ All: 1760.432 ± 0.160 $\chi^2/\text{NDF}: 20027155.9/1$
 Right Out: 1734.948 ± 0.342 $\chi^2/\text{NDF}: 9480788.2/32$ - sign 1726.725 ± 0.221 $\chi^2/\text{NDF}: 10365766.5/55$
 Left In: 1720.864 ± 0.289 $\chi^2/\text{NDF}: 883990.4/22$

diff_bpm0i07Y_mean vs Slug



Right In: 5.915 ± 0.377 $\chi^2/\text{NDF}: 1319.3/26$

Left Out: 2.293 ± 0.343 $\chi^2/\text{NDF}: 73.5/24$

Right Out: -3.092 ± 0.304 $\chi^2/\text{NDF}: 726.2/32$

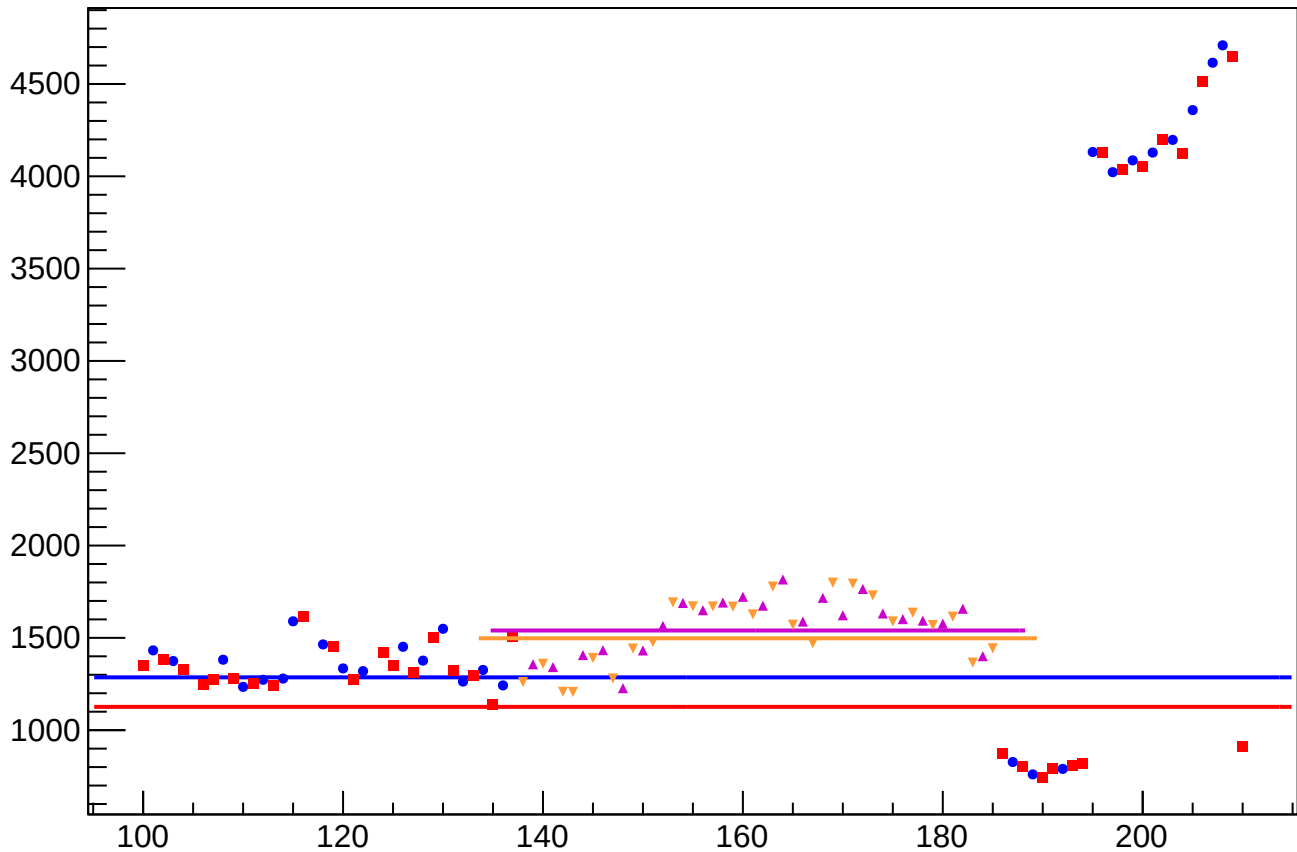
Left In: 3.173 ± 0.362 $\chi^2/\text{NDF}: 110.4/22$

+ sign 3.938 ± 0.254 $\chi^2/\text{NDF}: 1443.3/51$

All: 1.523 ± 0.172 $\chi^2/\text{NDF}: 2622.1/107$

- sign -0.508 ± 0.233 $\chi^2/\text{NDF}: 1012.2/55$

diff_bpm0i07Y_rms vs Slug



Right In: 1286.095+/-0.266 χ^2/NDF : 8235669.0/26

Left Out: 1497.713+/-0.243 χ^2/NDF : 568629.4/24

Right Out: 1126.141+/-0.215 χ^2/NDF : 8205670.7/32

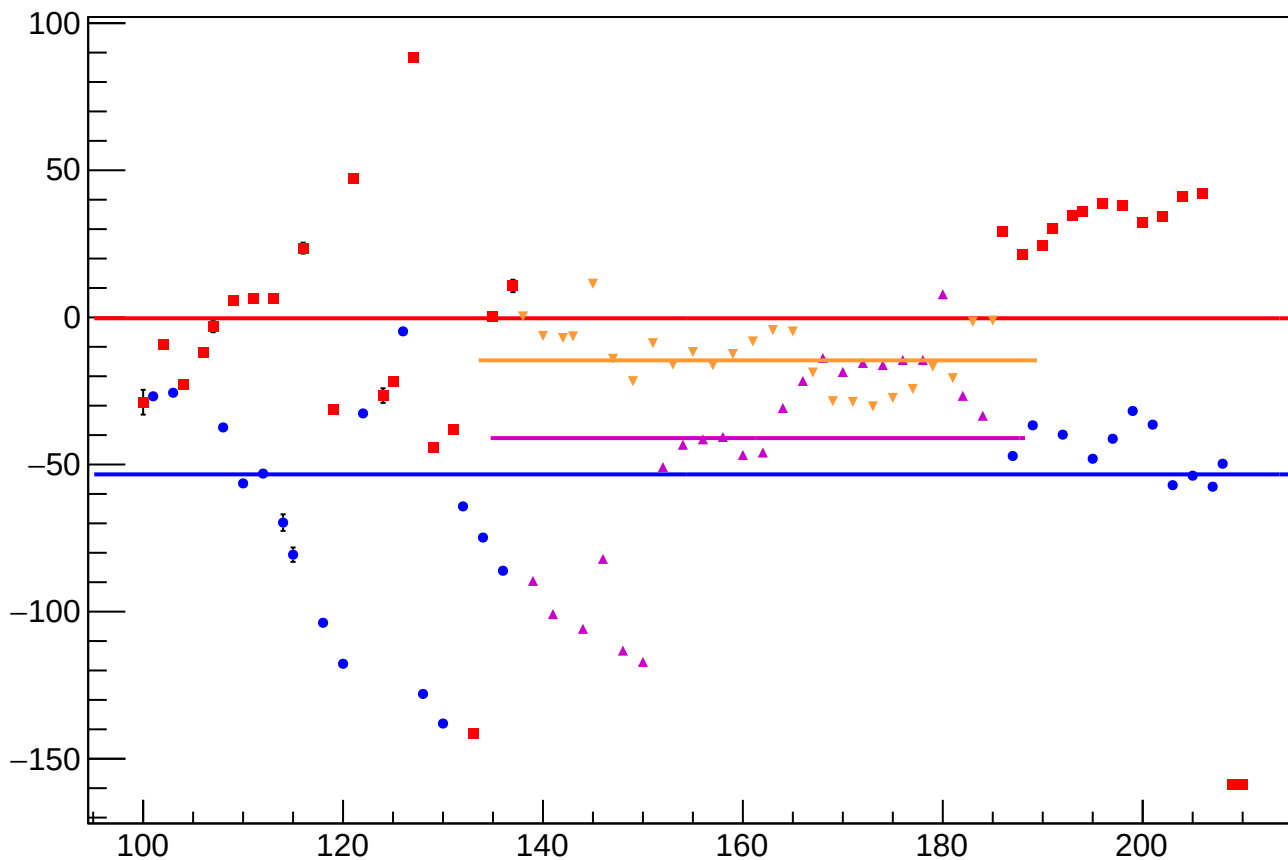
Left In: 1539.884+/-0.256 χ^2/NDF : 380330.7/22

+ sign 1401.622+/-0.179 χ^2/NDF : 9149028.9/51

All: 1344.699+/-0.121 χ^2/NDF : 19451539.7/1

- sign 1296.807+/-0.165 χ^2/NDF : 10117229.5/55

diff_bpm1i02X_mean vs Slug



Right In: -53.351 ± 0.184 χ^2/NDF : 17828.6/26

Left Out: -14.597 ± 0.183 χ^2/NDF : 3159.3/24

Right Out: -0.299 ± 0.170 χ^2/NDF : 154958.8/32

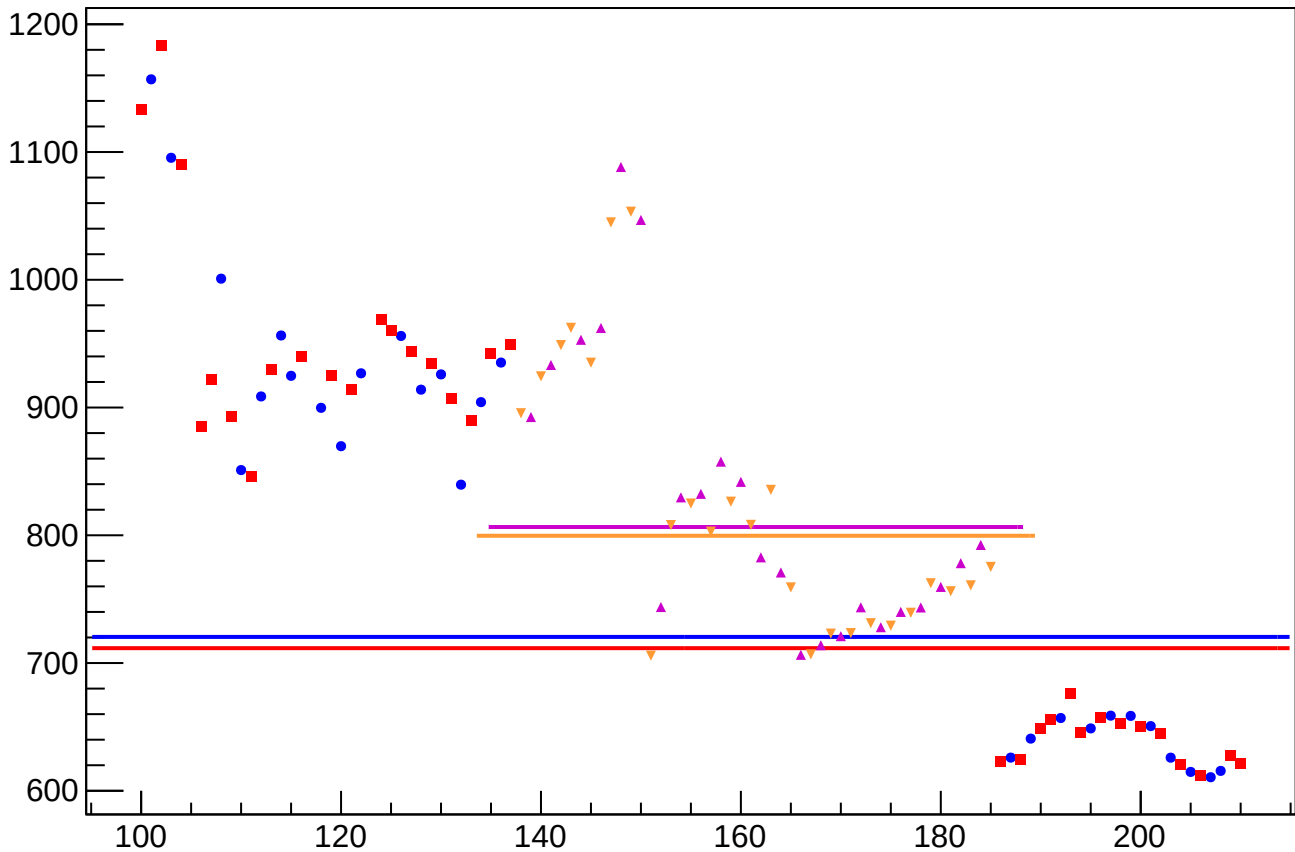
Left In: -41.021 ± 0.190 χ^2/NDF : 31066.6/22

+ sign -33.815 ± 0.130 χ^2/NDF : 43239.8/51

All: -25.928 ± 0.091 χ^2/NDF : 261997.6/107

- sign -18.431 ± 0.127 χ^2/NDF : 211566.7/55

diff_bpm1i02X_rms vs Slug



Right In: 720.445 $\pm$ 0.130 χ^2 /NDF: 1185486.7/26

Left Out: 799.639 $\pm$ 0.129 χ^2 /NDF:497430.7/24

Right Out: 711.646 $\pm$ 0.120 χ^2 /NDF: 1292869.2/32

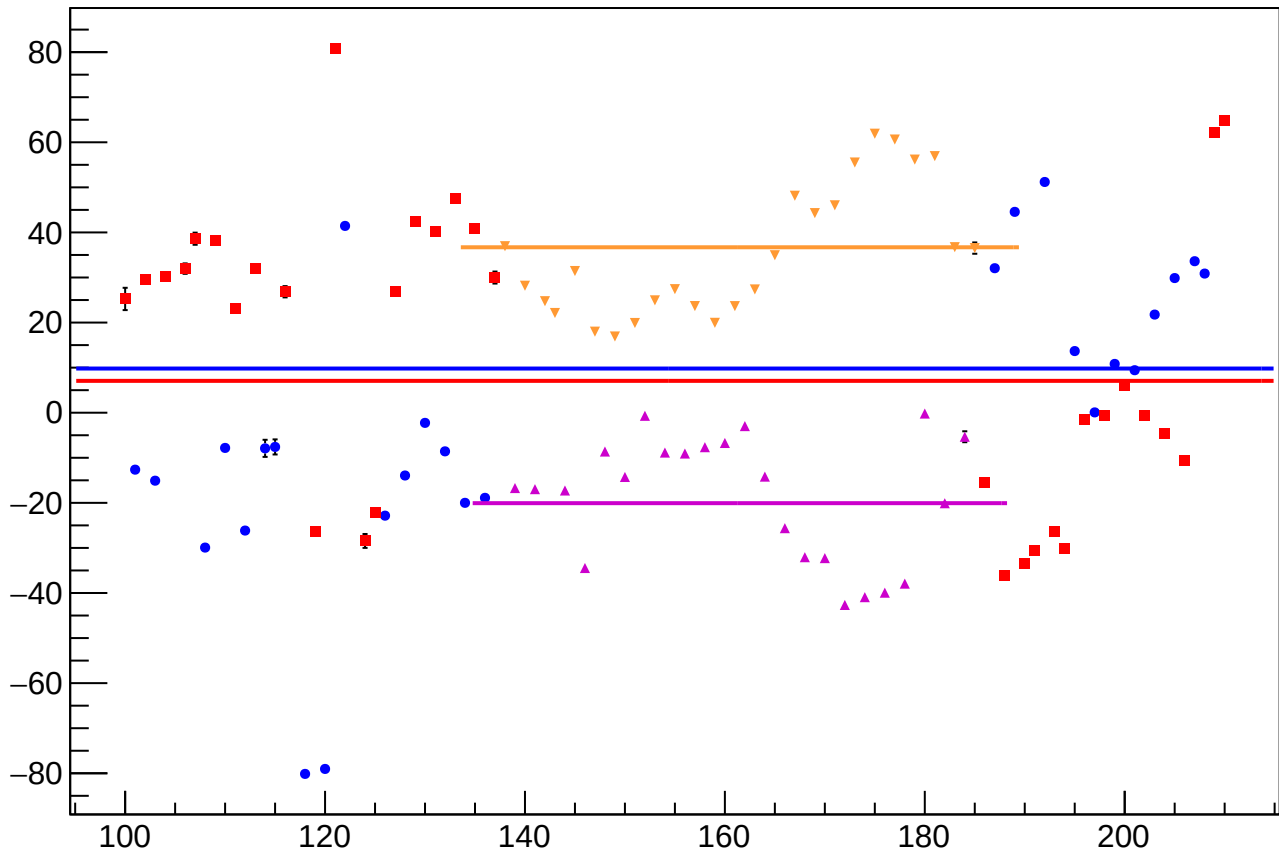
Left In: 806.478 $\pm$ 0.134 χ^2 /NDF:511294.8/22

+ sign 760.368 $\pm$ 0.092 χ^2 /NDF: 1868768.0/51

All: 757.037 $\pm$ 0.064 χ^2 /NDF: 3952522.5/107

- sign 753.872 $\pm$ 0.090 χ^2 /NDF: 2081190.4/55

diff_bpm1i02Y_mean vs Slug



Right In: 9.802 $\pm$ 0.136 χ^2 /NDF: 45507.8/26

Left Out: 36.705 $\pm$ 0.145 χ^2 /NDF:10231.1/24

Right Out: 7.067 $\pm$ 0.125 χ^2 /NDF: 67878.5/32

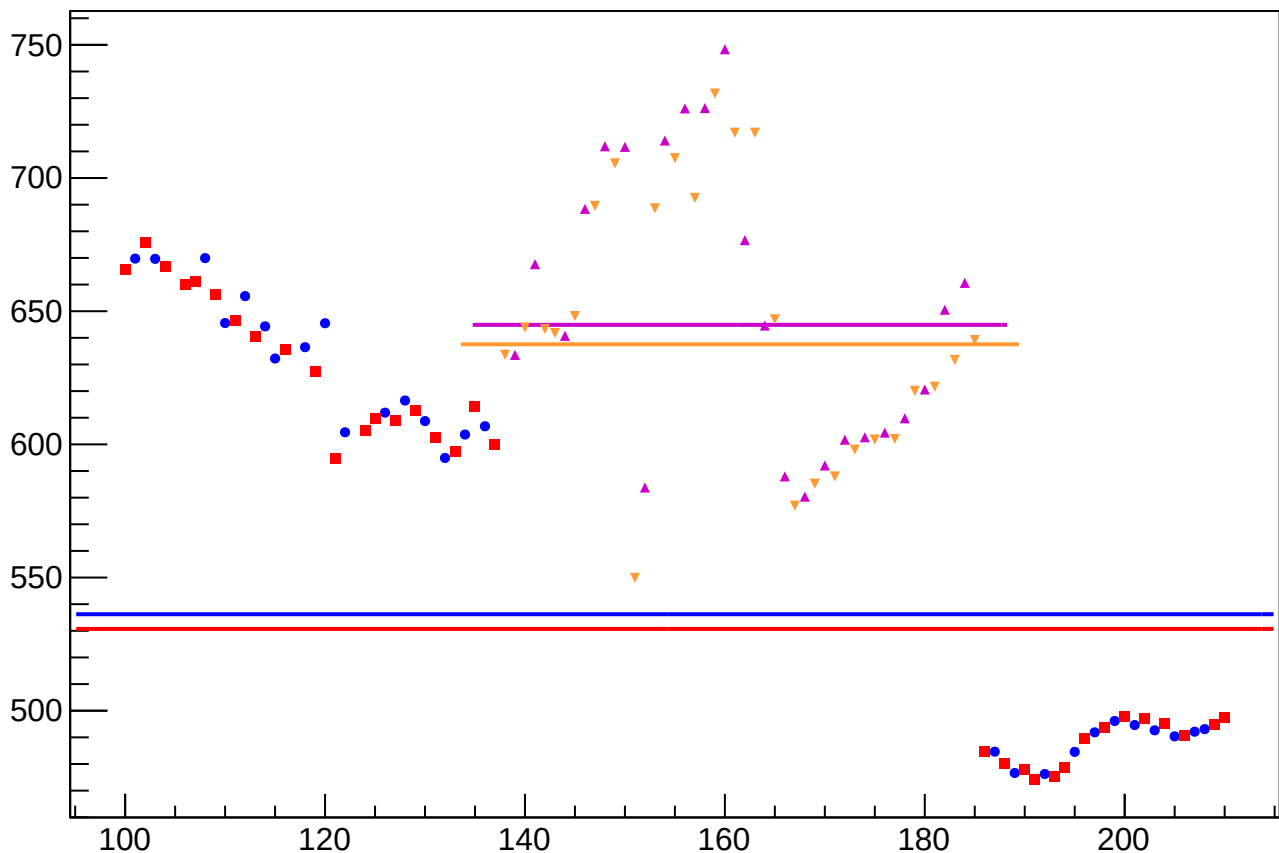
Left In: -20.069 $\pm$ 0.151 χ^2 /NDF:8560.6/22

+ sign 22.329 $\pm$ 0.099 χ^2 /NDF: 74024.8/51

All: 8.807 $\pm$ 0.069 χ^2 /NDF: 205680.1/107

- sign -3.995 $\pm$ 0.097 χ^2 /NDF: 95510.1/55

diff_bpm1i02Y_rms vs Slug



Right In: 536.231 $\pm$ 0.096 χ^2 /NDF: 508822.4/26

Left Out: 637.569 $\pm$ 0.103 χ^2 /NDF: 236539.6/24

Right Out: 530.717 $\pm$ 0.089 χ^2 /NDF: 558502.6/32

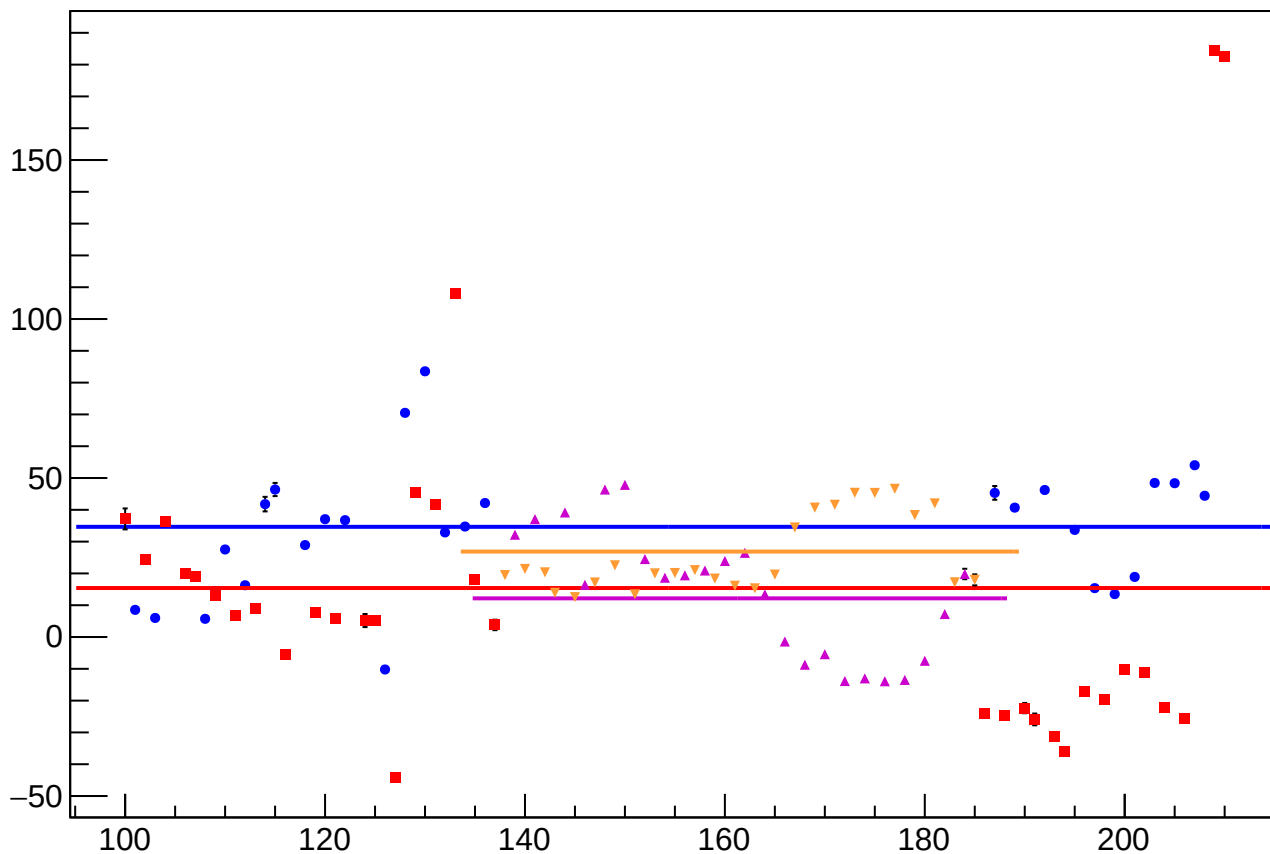
Left In: 644.873 $\pm$ 0.107 χ^2 /NDF: 229560.3/22

+ sign 583.421 $\pm$ 0.070 χ^2 /NDF: 1264286.1/51

All: 580.254 $\pm$ 0.049 χ^2 /NDF: 2731273.3/107

- sign 577.255 $\pm$ 0.068 χ^2 /NDF: 1463021.9/55

diff_bpm1i04X_mean vs Slug



Right In: 34.651 ± 0.214 $\chi^2/\text{NDF}: 8804.1/26$

Left Out: 26.866 ± 0.207 $\chi^2/\text{NDF}: 3390.4/24$

Right Out: 15.406 ± 0.203 $\chi^2/\text{NDF}: 81875.9/32$

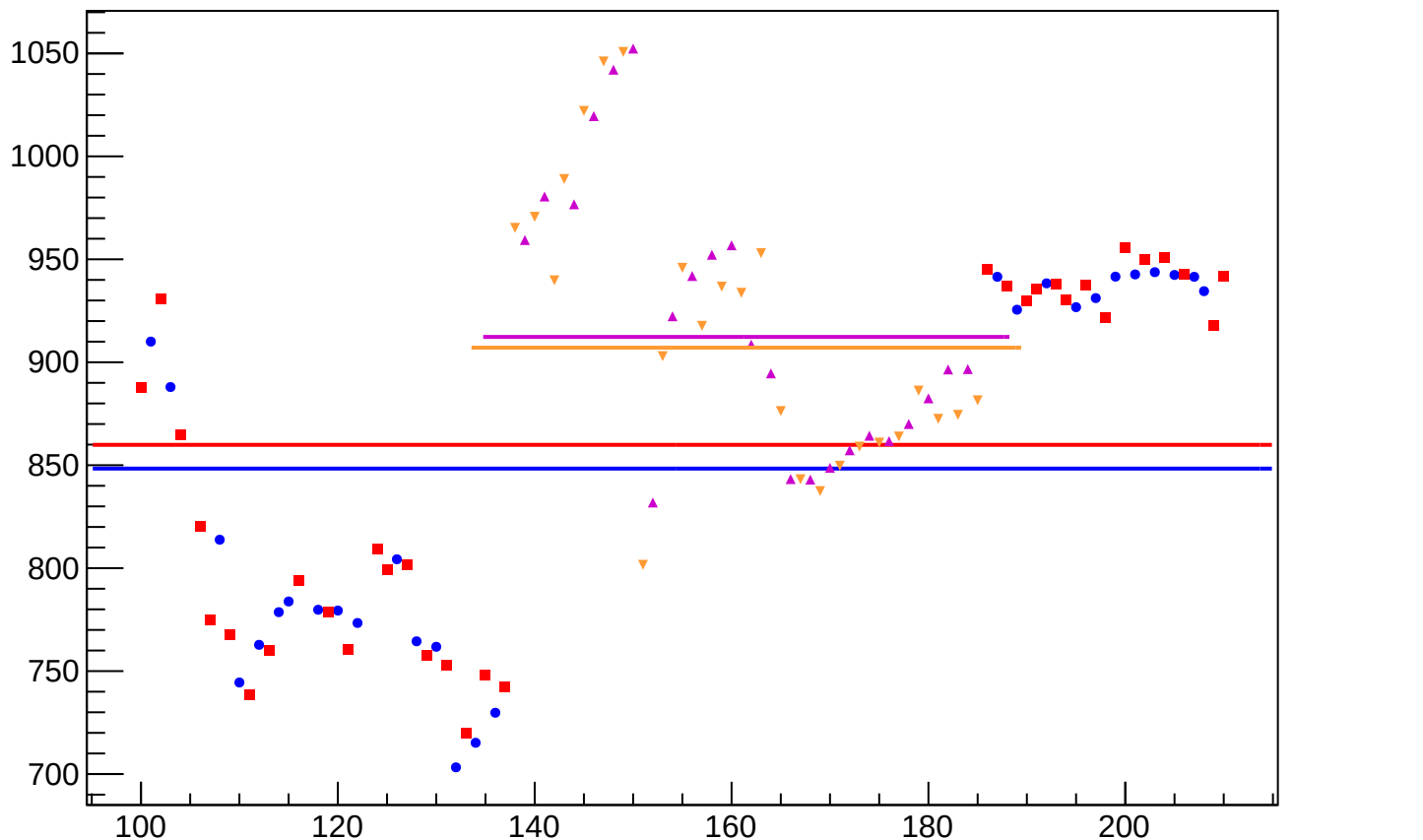
Left In: 12.159 ± 0.214 $\chi^2/\text{NDF}: 8547.0/22$

+ sign 30.618 ± 0.149 $\chi^2/\text{NDF}: 12878.2/51$

All: 22.147 ± 0.105 $\chi^2/\text{NDF}: 109833.3/107$

- sign 13.868 ± 0.147 $\chi^2/\text{NDF}: 90544.4/55$

diff_bpm1i04X_rms vs Slug



Right In: 848.361 $\pm$ 0.152 χ^2 /NDF: 356972.2/26

Left Out: 907.089 $\pm$ 0.146 χ^2 /NDF:194606.8/24

Right Out: 859.890 $\pm$ 0.143 χ^2 /NDF: 363073.0/32

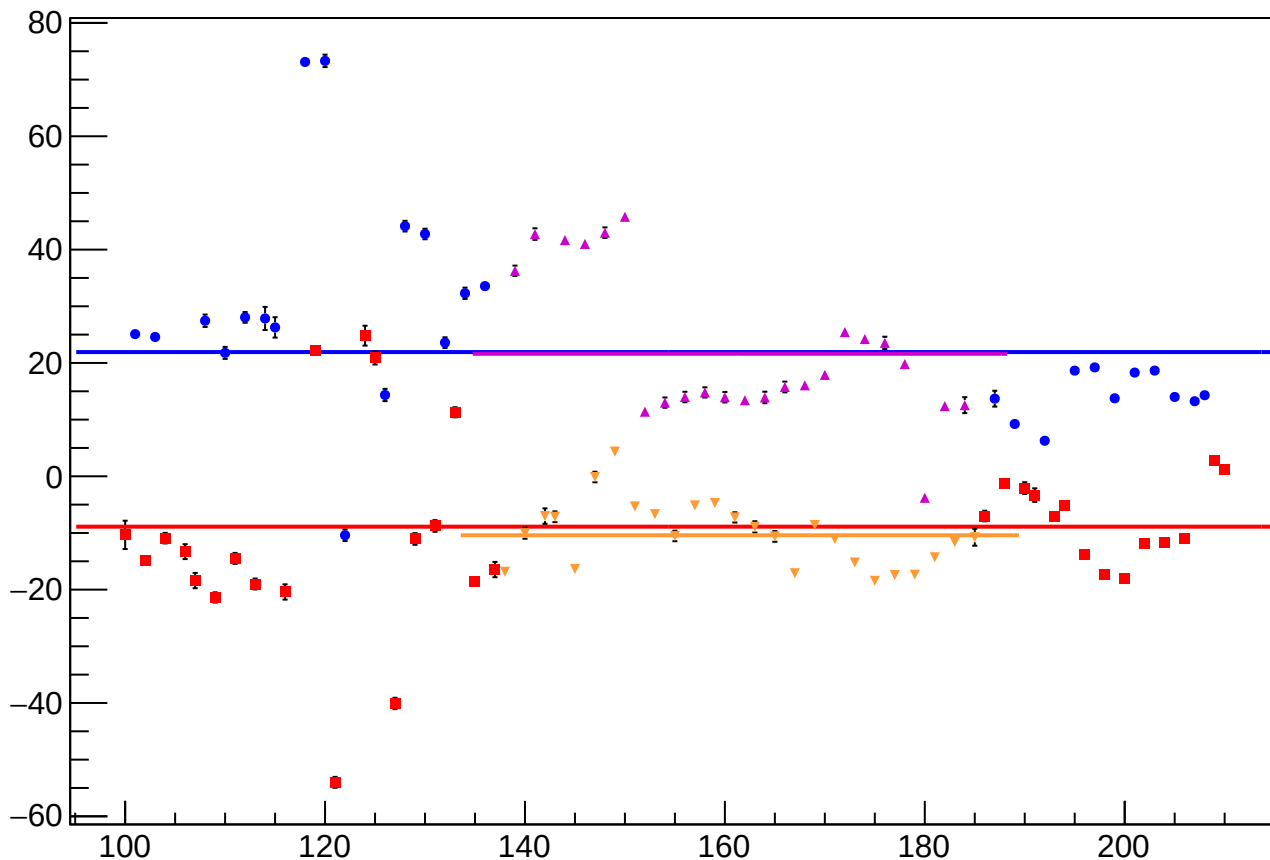
Left In: 912.301 $\pm$ 0.151 χ^2 /NDF:174715.2/22

+ sign 878.790 $\pm$ 0.105 χ^2 /NDF: 629398.3/51

All: 881.789 $\pm$ 0.074 χ^2 /NDF: 1232107.1/107

- sign 884.721 $\pm$ 0.104 χ^2 /NDF: 601100.9/55

diff_bpm1i04Y_mean vs Slug



Right In: 21.920 $\pm$ 0.154 χ^2 /NDF: 10006.3/26

Left Out: -10.406 $\pm$ 0.176 χ^2 /NDF:1041.8/24

Right Out: -8.890 $\pm$ 0.143 χ^2 /NDF: 8326.0/32

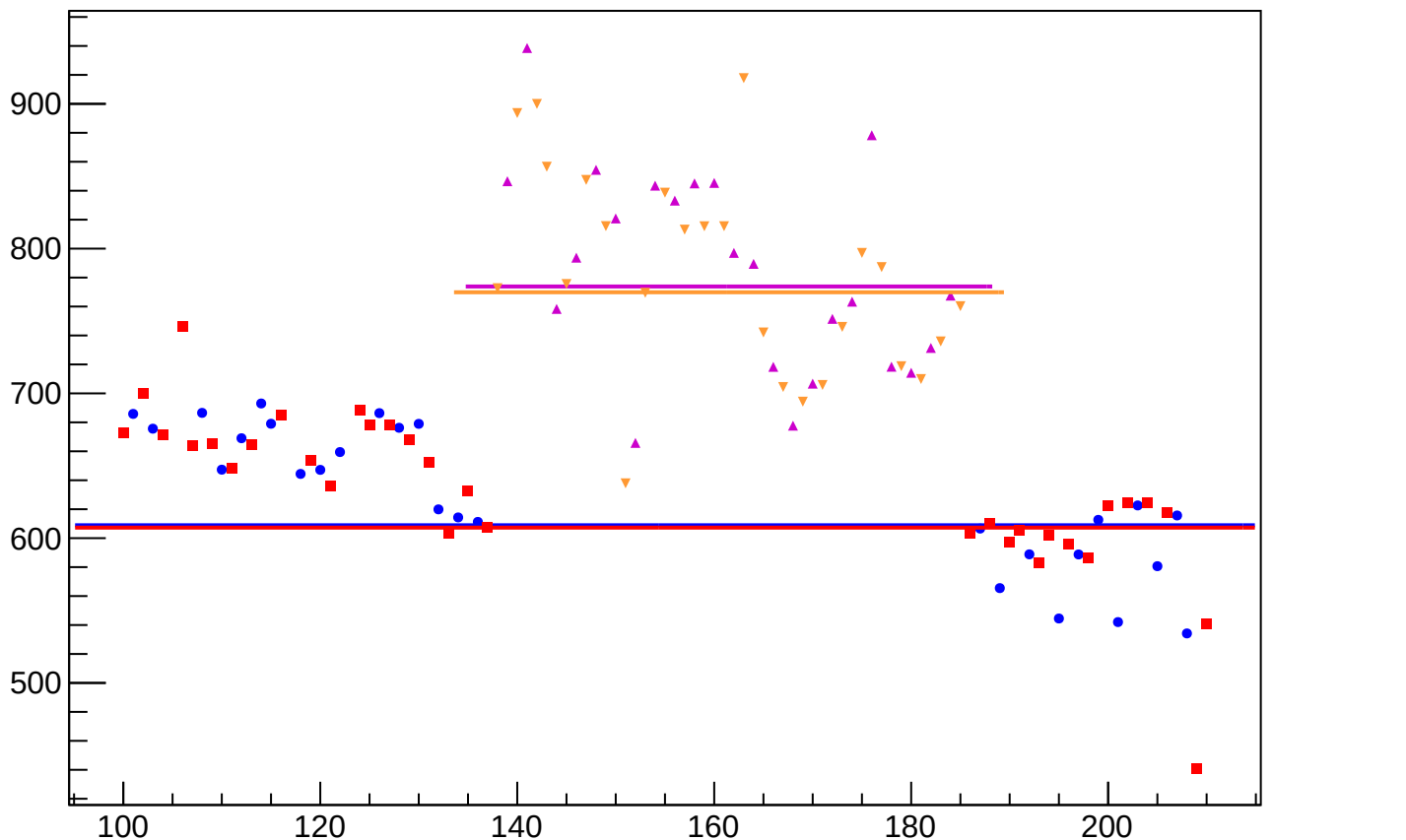
Left In: 21.621 $\pm$ 0.182 χ^2 /NDF:5241.8/22

+ sign 7.909 $\pm$ 0.116 χ^2 /NDF: 30161.6/51

All: 5.288 $\pm$ 0.081 χ^2 /NDF: 62065.0/107

- sign 2.809 $\pm$ 0.113 χ^2 /NDF: 30907.6/55

diff_bpm1i04Y_rms vs Slug



Right In: 608.915 $\pm$ 0.109 χ^2 /NDF: 194425.0/26

Left Out: 769.850 $\pm$ 0.124 χ^2 /NDF: 304526.6/24

Right Out: 607.277 $\pm$ 0.101 χ^2 /NDF: 400385.9/32

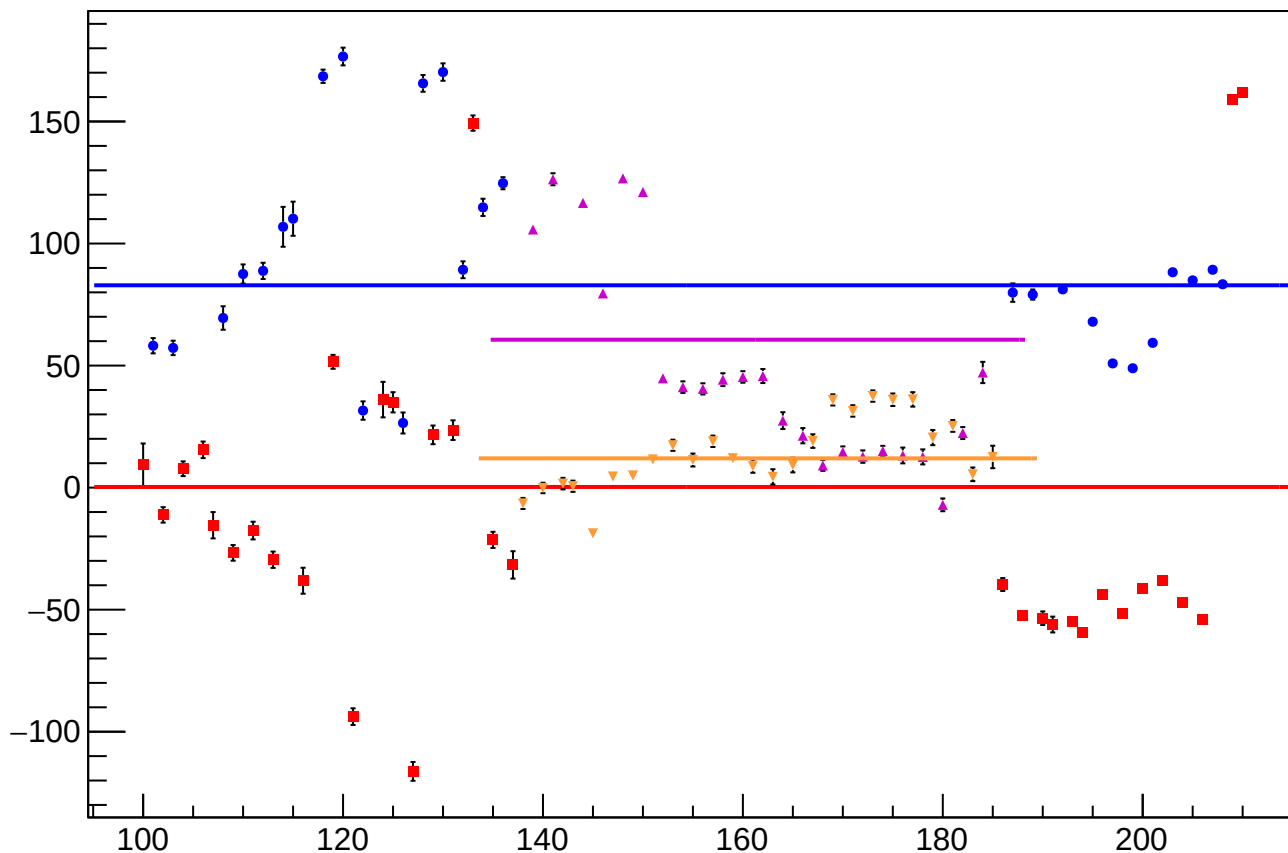
Left In: 773.845 $\pm$ 0.129 χ^2 /NDF: 282843.1/22

+ sign 678.668 $\pm$ 0.082 χ^2 /NDF: 1446404.7/51

All: 674.801 $\pm$ 0.057 χ^2 /NDF: 3167569.7/107

- sign 671.145 $\pm$ 0.080 χ^2 /NDF: 1716831.1/55

diff_bpm1i06X_mean vs Slug



Right In: 82.894 $\pm$ 0.468 χ^2 /NDF: 4696.7/26

Left Out: 11.989 $\pm$ 0.472 χ^2 /NDF: 947.1/24

Right Out: 0.276 $\pm$ 0.427 χ^2 /NDF: 37812.7/32

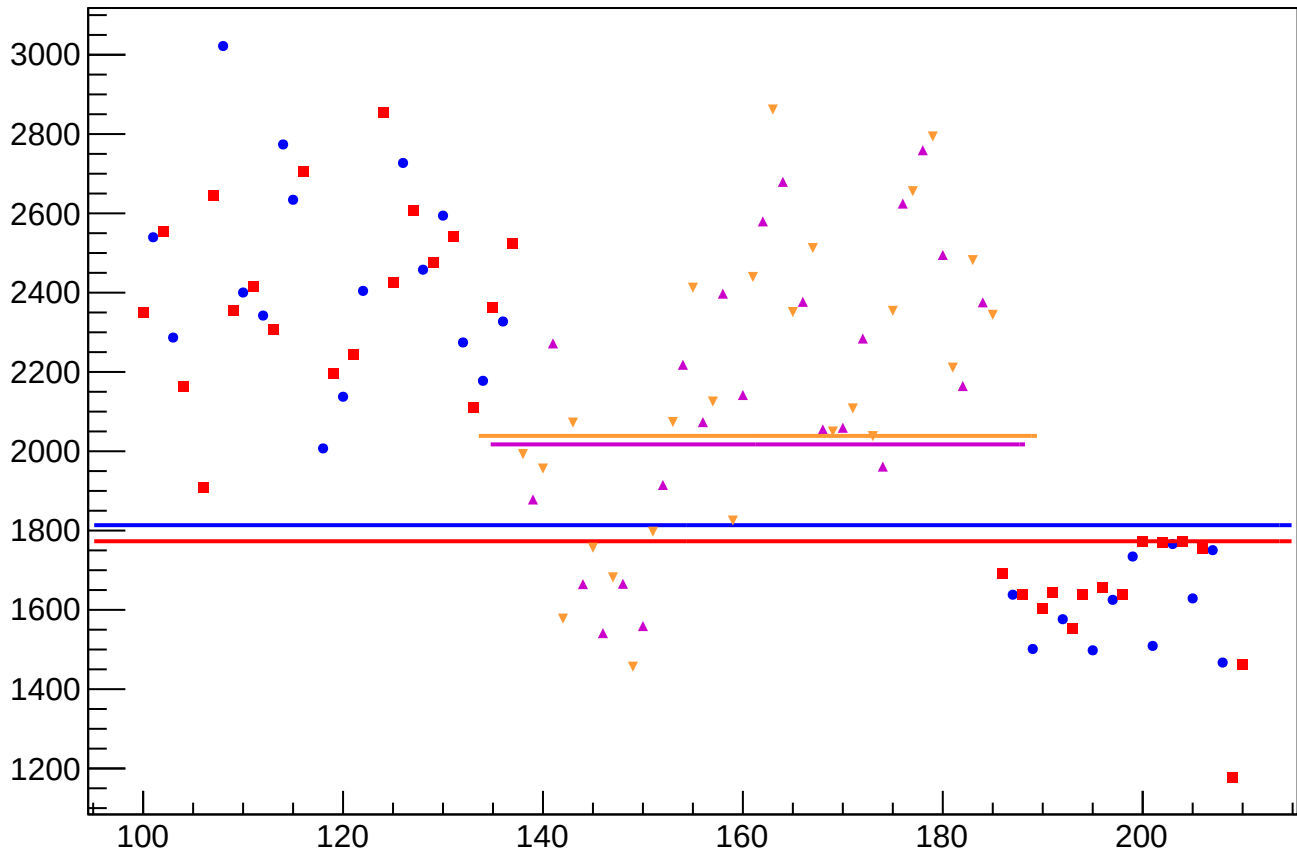
Left In: 60.598 $\pm$ 0.481 χ^2 /NDF: 8638.1/22

+ sign 47.732 $\pm$ 0.332 χ^2 /NDF: 17041.9/51

All: 36.880 $\pm$ 0.230 χ^2 /NDF: 74349.6/107

- sign 26.852 $\pm$ 0.319 χ^2 /NDF: 55252.6/55

diff_bpm1i06X_rms vs Slug



Right In: 1813.576 $\pm$ 0.331 χ^2 /NDF: 1285664.2/26

Left Out: 2038.784 $\pm$ 0.333 χ^2 /NDF: 1123518.3/24

Right Out: 1773.021 $\pm$ 0.302 χ^2 /NDF: 1580690.1/32

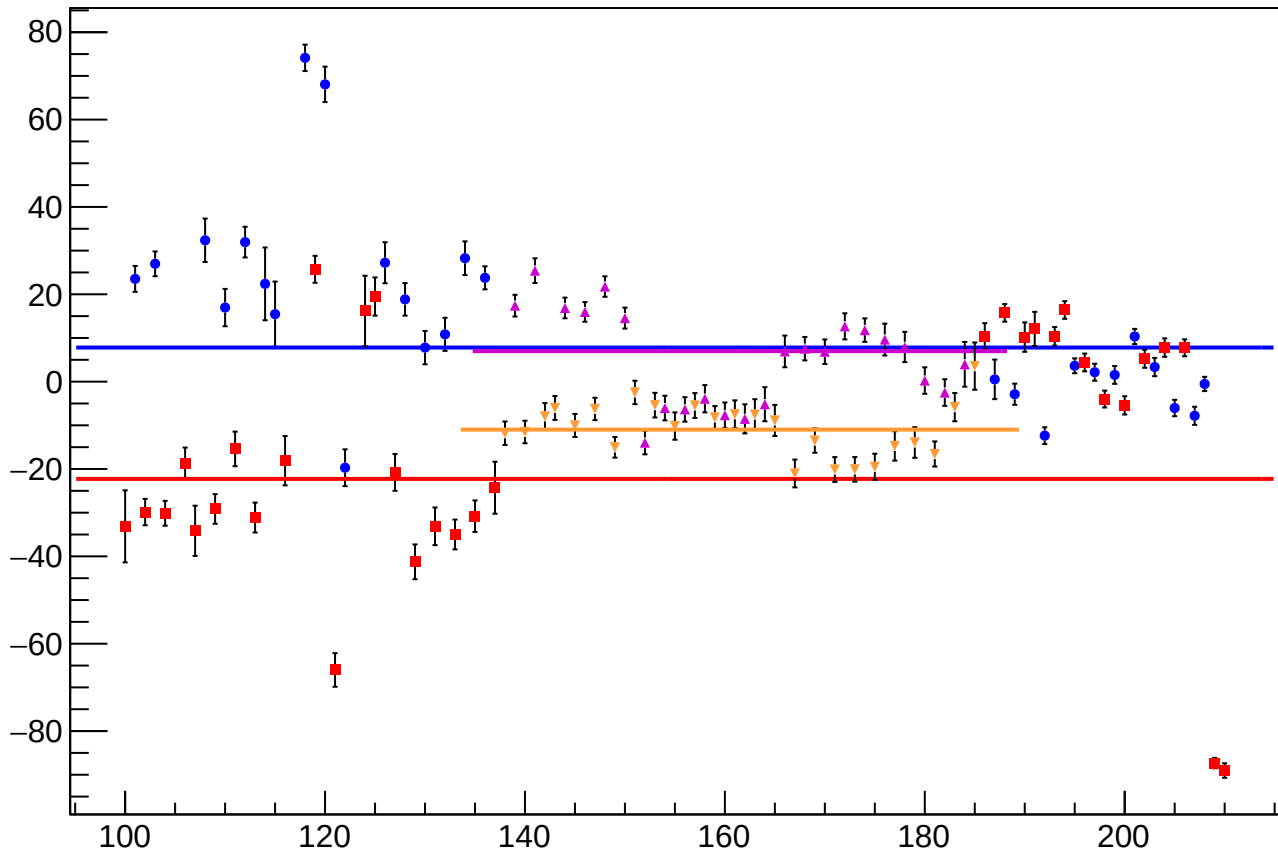
Left In: 2017.328 $\pm$ 0.340 χ^2 /NDF: 1050043.3/22

+ sign 1925.255 $\pm$ 0.235 χ^2 /NDF: 2639155.1/51

All: 1902.075 $\pm$ 0.163 χ^2 /NDF: 5577394.5/10

- sign 1880.655 $\pm$ 0.226 χ^2 /NDF: 2919487.3/55

diff_bpm1i06Y_mean vs Slug



Right In: 7.809 ± 0.505 χ^2/NDF : 1291.0/26

Left Out: -10.985 ± 0.586 χ^2/NDF : 87.6/24

Right Out: -22.263 ± 0.460 χ^2/NDF : 7328.9/32

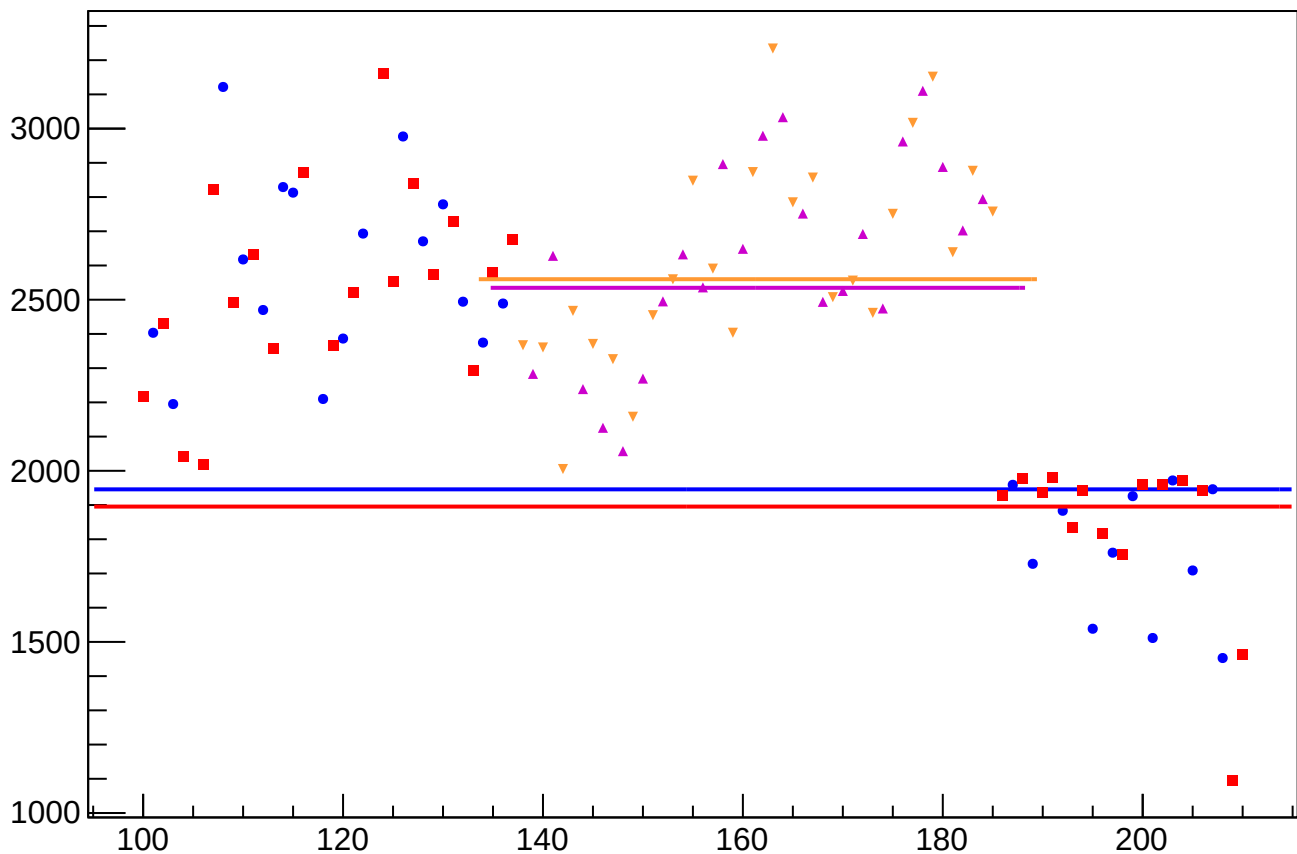
Left In: 6.985 ± 0.598 χ^2/NDF : 339.5/22

+ sign -0.199 ± 0.382 χ^2/NDF : 1969.1/51

All: -6.064 ± 0.264 χ^2/NDF : 11587.8/107

- sign -11.399 ± 0.365 χ^2/NDF : 9169.6/55

diff_bpm1i06Y_rms vs Slug



Right In: 1945.825+/-0.357 χ^2/NDF : 1328322.7/26

Left Out: 2559.931+/-0.414 χ^2/NDF : 450188.5/24

Right Out: 1895.481+/-0.325 χ^2/NDF : 1972856.0/32

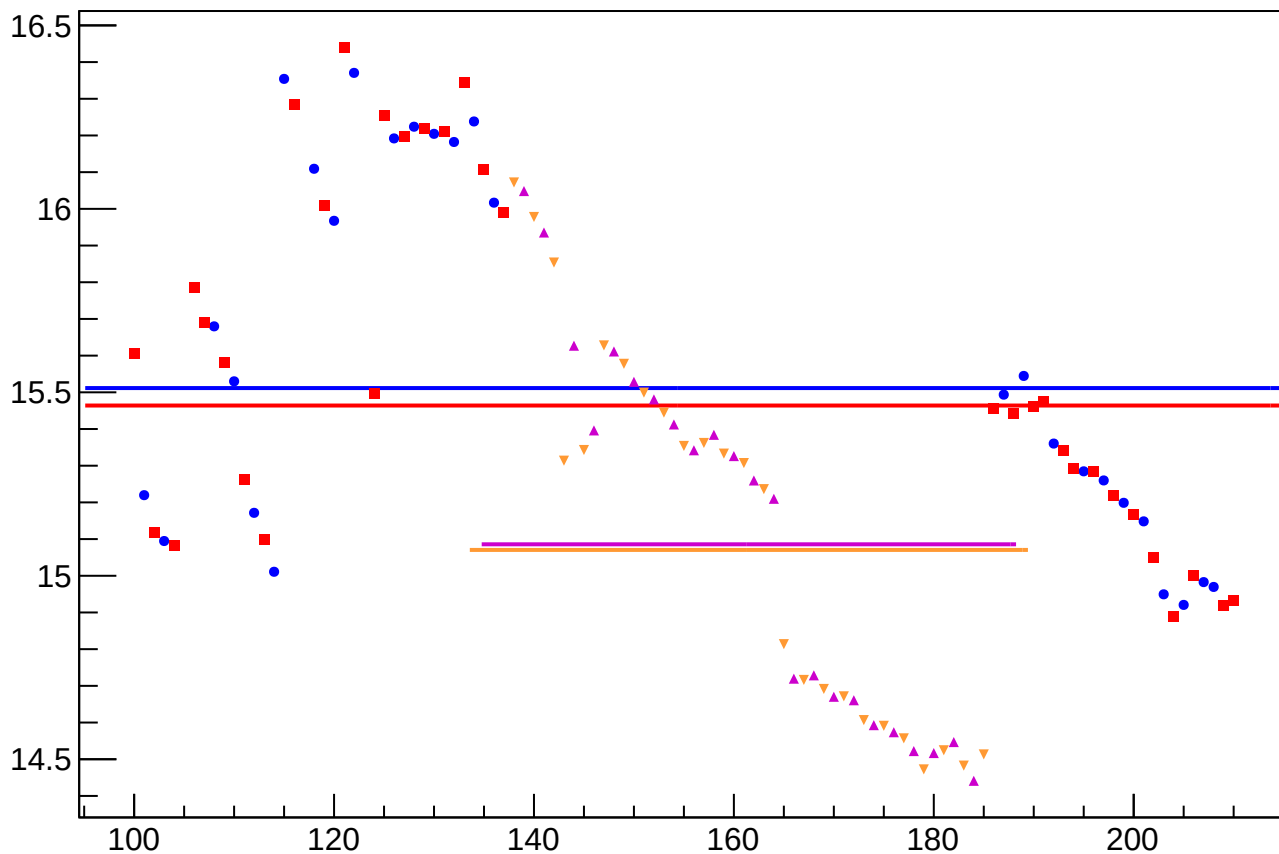
Left In: 2534.780+/-0.423 χ^2/NDF : 463621.9/22

+ sign 2207.492+/-0.270 χ^2/NDF : 3039536.7/51

All: 2168.462+/-0.187 χ^2/NDF : 6950268.2/100

- sign 2132.959+/-0.258 χ^2/NDF : 3870953.9/55

yield_sam1_mean vs Slug



Right In: 15.512 $\pm$ 0.000 χ^2 /NDF: 21607368460.4/26

Left Out: 15.070 $\pm$ 0.000 χ^2 /NDF: 43718295237.2/24

Right Out: 15.464 $\pm$ 0.000 χ^2 /NDF: 21296737677.7/32

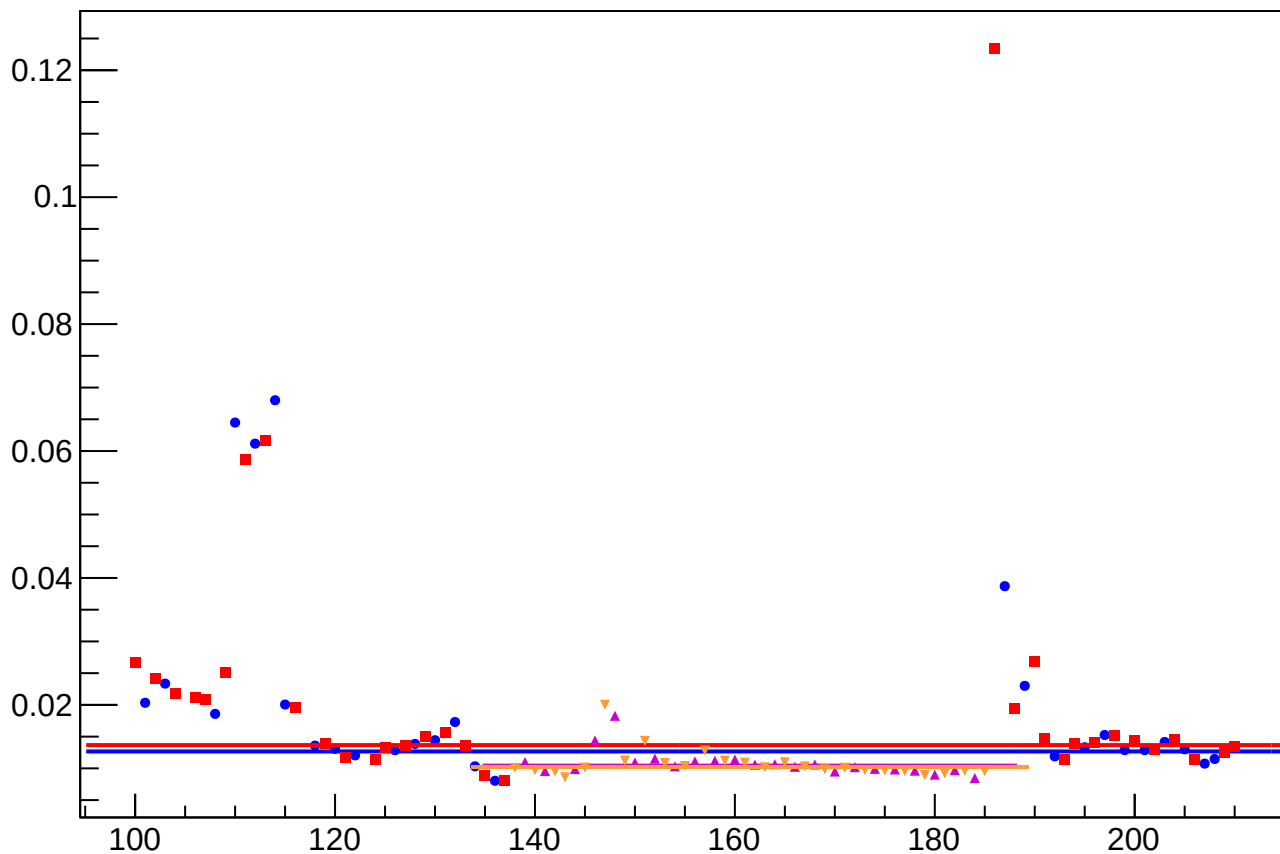
Left In: 15.086 $\pm$ 0.000 χ^2 /NDF: 39504896066.7/22

+ sign 15.215 $\pm$ 0.000 χ^2 /NDF: 76389850127.9/51

All: 15.215 $\pm$ 0.000 χ^2 /NDF: 144957619814.

- sign 15.216 $\pm$ 0.000 χ^2 /NDF: 68567634221.0/55

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2835628.6/26

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 760322.0/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 3355393.1/32

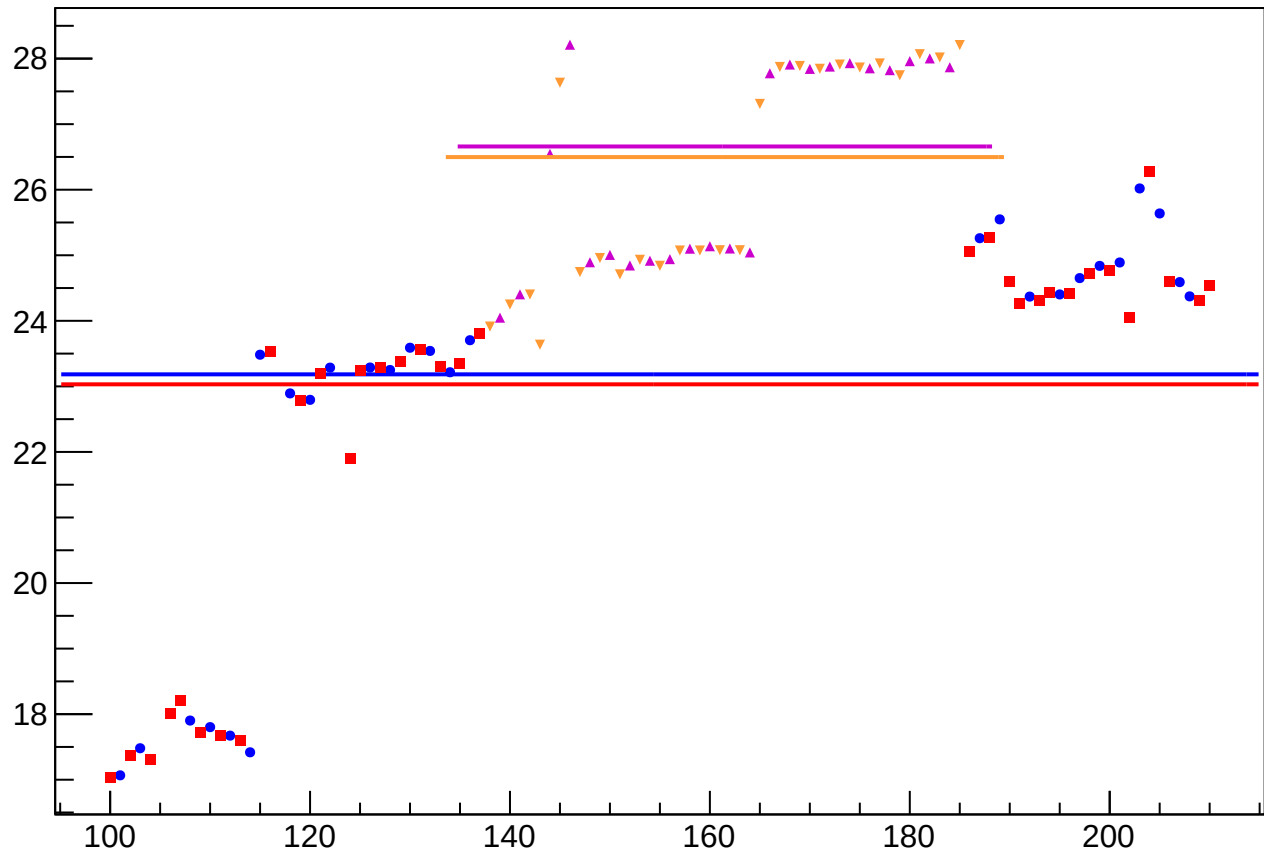
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 597752.6/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4276929.2/51

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 9438280.9/107

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5092834.3/55

yield_sam2_mean vs Slug



Right In: 23.184+/-0.000 χ^2/NDF : 1593031263.1/26

Left Out: 26.498+/-0.000 χ^2/NDF : 3909357236.5/24

Right Out: 23.031+/-0.000 χ^2/NDF : 1700764873.7/32

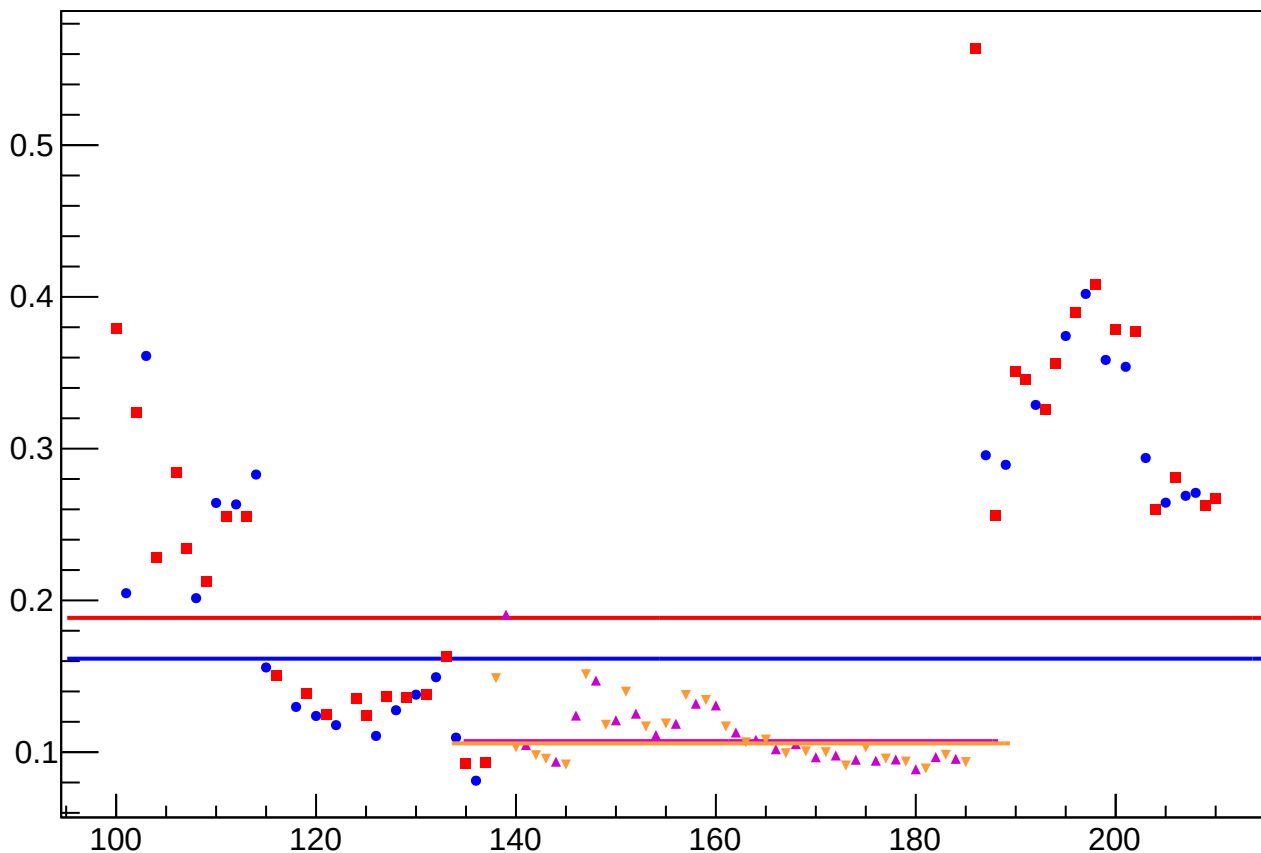
Left In: 26.660+/-0.000 χ^2/NDF : 2886823196.4/22

+ sign 25.753+/-0.000 χ^2/NDF : 9163357115.9/51

All: 25.804+/-0.000 χ^2/NDF : 17703397553.0

- sign 25.861+/-0.000 χ^2/NDF : 8529378707.9/55

yield_sam2_rms vs Slug



Right In: 0.162 $\pm$ 0.000 χ^2 /NDF: 6725610.8/26

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF:756185.0/24

Right Out: 0.188 $\pm$ 0.000 χ^2 /NDF: 6497736.1/32

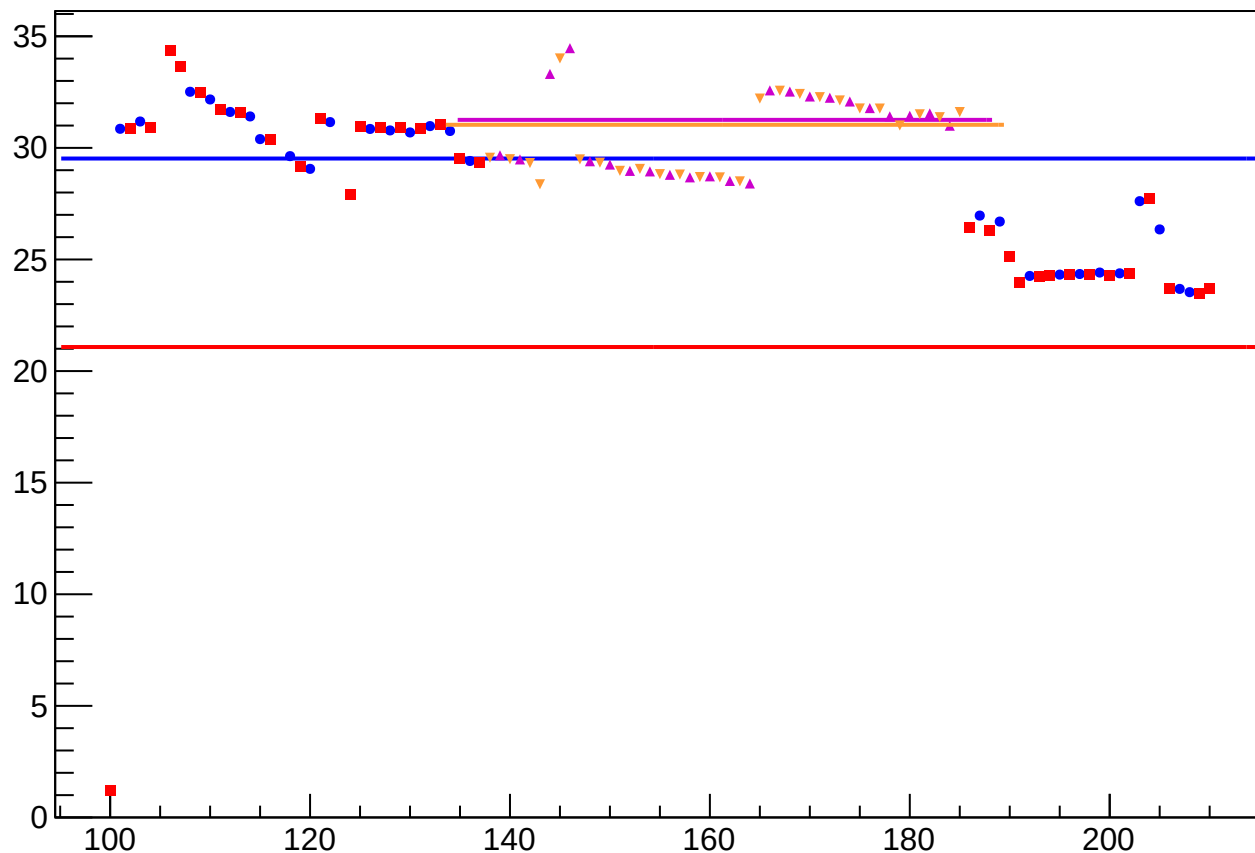
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF:859458.3/22

+ sign 0.118 $\pm$ 0.000 χ^2 /NDF: 9559068.9/51

All: 0.122 $\pm$ 0.000 χ^2 /NDF: 20952721.2/107

- sign 0.125 $\pm$ 0.000 χ^2 /NDF: 11308970.0/55

yield_sam3_mean vs Slug



Right In: 29.523+/-0.000 χ^2/NDF : 5518051395.6/26

Left Out: 31.035+/-0.000 χ^2/NDF : 11897463221.2/24

Right Out: 21.078+/-0.000 χ^2/NDF : 226165004426.4/32

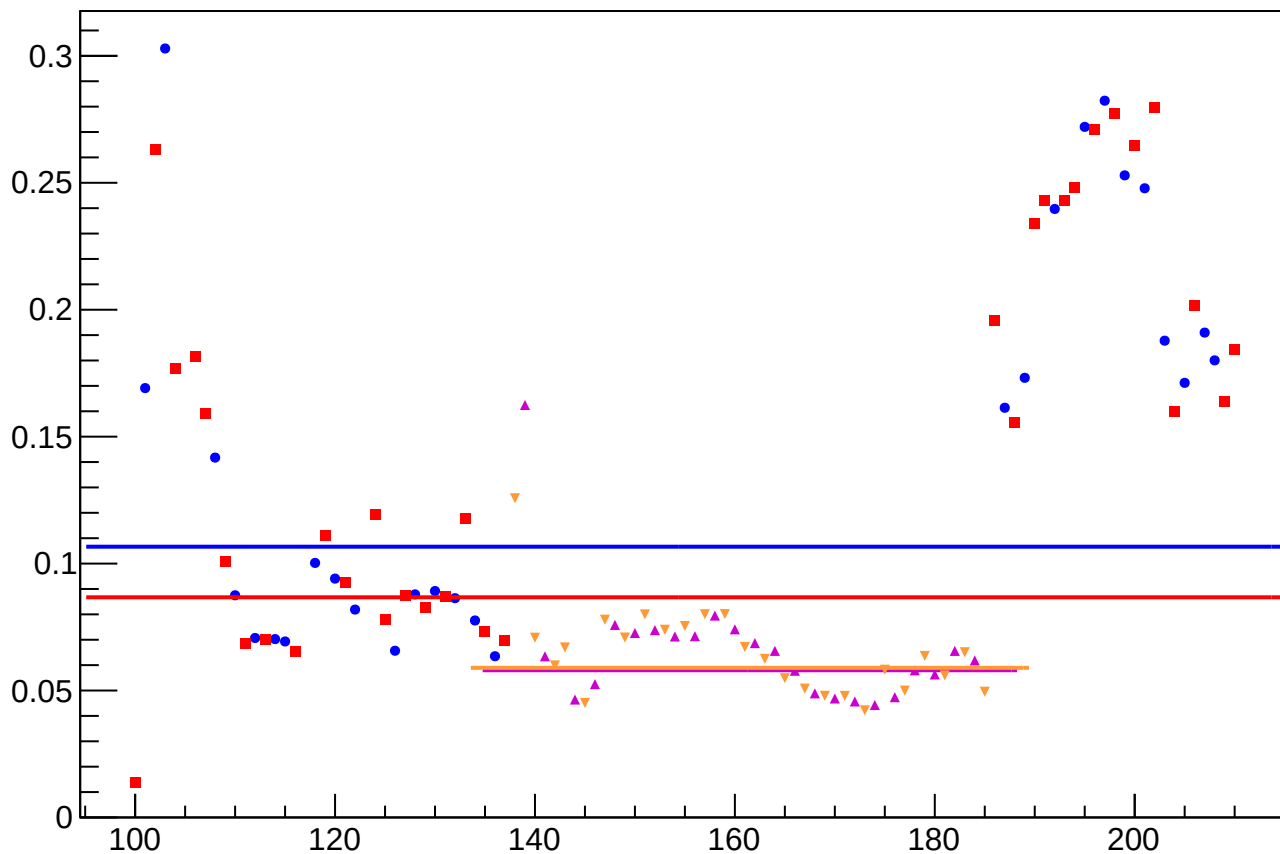
Left In: 31.256+/-0.000 χ^2/NDF : 12589744083.0/22

+ sign 30.758+/-0.000 χ^2/NDF : 19210689178.4/51

All: 29.748+/-0.000 χ^2/NDF : 372522624081.

- sign 28.778+/-0.000 χ^2/NDF : 342829253109.0/55

yield_sam3_rms vs Slug



Right In: 0.107 $\pm$ 0.000 χ^2 /NDF: 6437083.9/26

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1536601.0/24

Right Out: 0.087 $\pm$ 0.000 χ^2 /NDF: 12789613.8/32

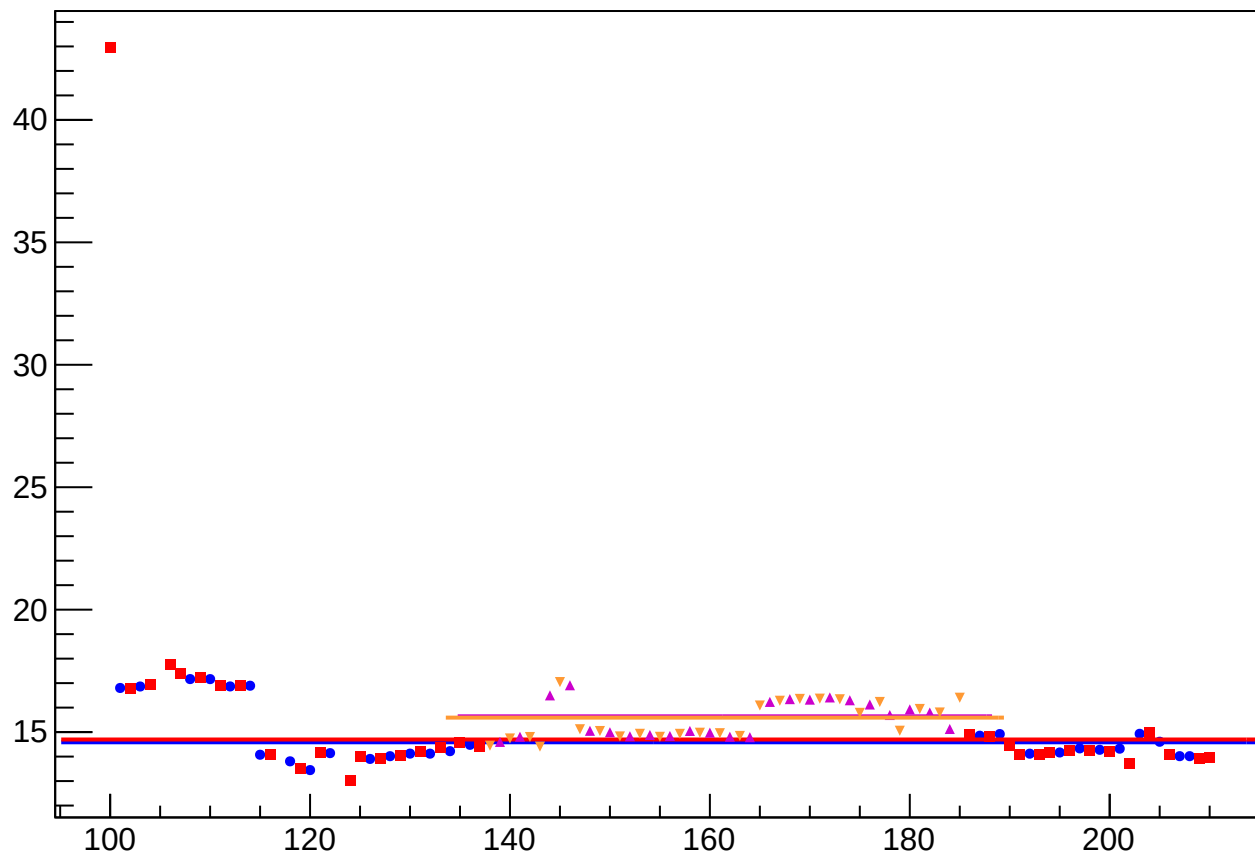
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1716553.7/22

+ sign 0.068 $\pm$ 0.000 χ^2 /NDF: 11548793.6/51

All: 0.066 $\pm$ 0.000 χ^2 /NDF: 27753730.5/107

- sign 0.065 $\pm$ 0.000 χ^2 /NDF: 16165678.3/55

yield_sam4_mean vs Slug



Right In: 14.584+/-0.000 χ^2/NDF : 1237401326.8/26

Left Out: 15.591+/-0.000 χ^2/NDF : 2257437225.0/24

Right Out: 14.698+/-0.000 χ^2/NDF : 1863687619.4/32

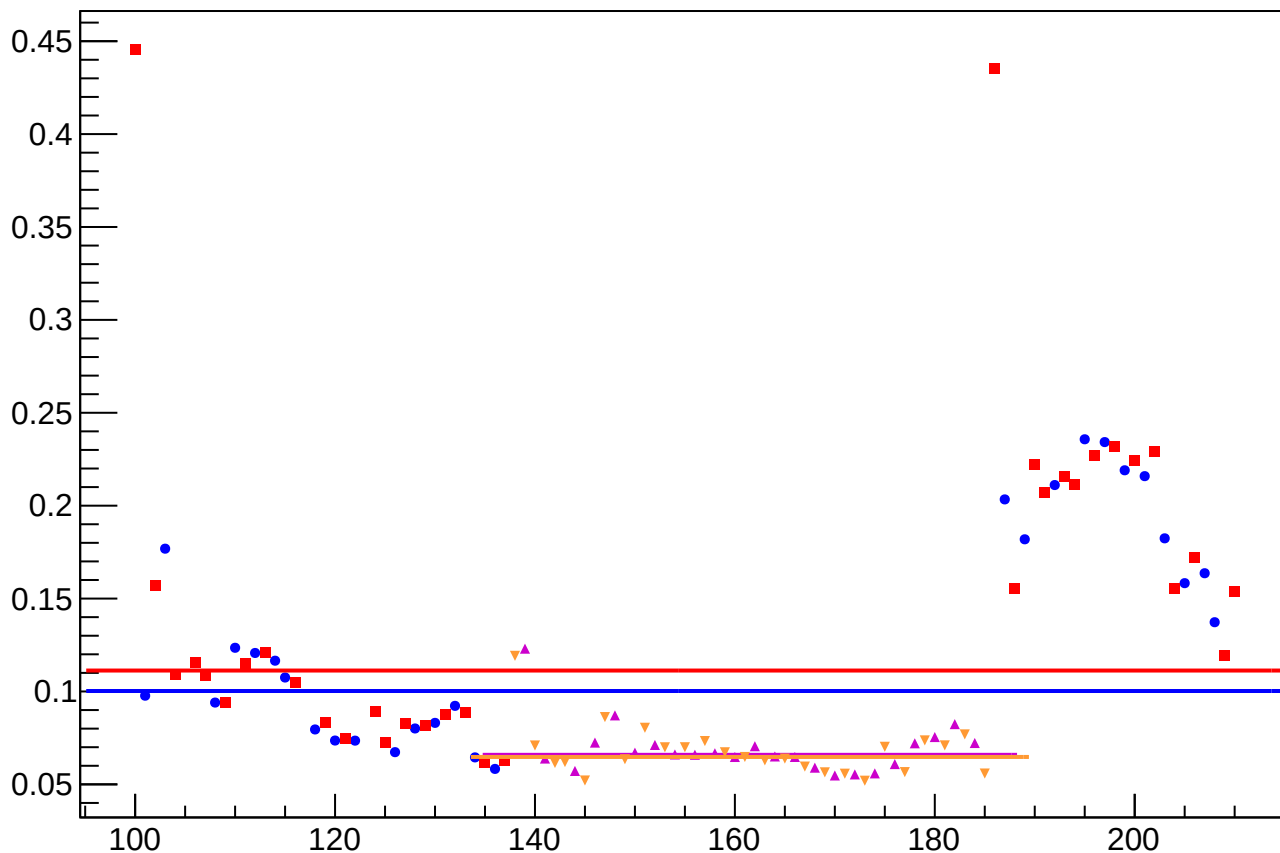
Left In: 15.645+/-0.000 χ^2/NDF : 1858454747.6/22

+ sign 15.358+/-0.000 χ^2/NDF : 4412743361.8/51

All: 15.386+/-0.000 χ^2/NDF : 8914914580.2/100

- sign 15.417+/-0.000 χ^2/NDF : 4493614057.6/55

yield_sam4_rms vs Slug



Right In: 0.100 $\pm$ 0.000 χ^2 /NDF: 5568173.5/26

Left Out: 0.065 $\pm$ 0.000 χ^2 /NDF:855753.3/24

Right Out: 0.111 $\pm$ 0.000 χ^2 /NDF: 5671598.9/32

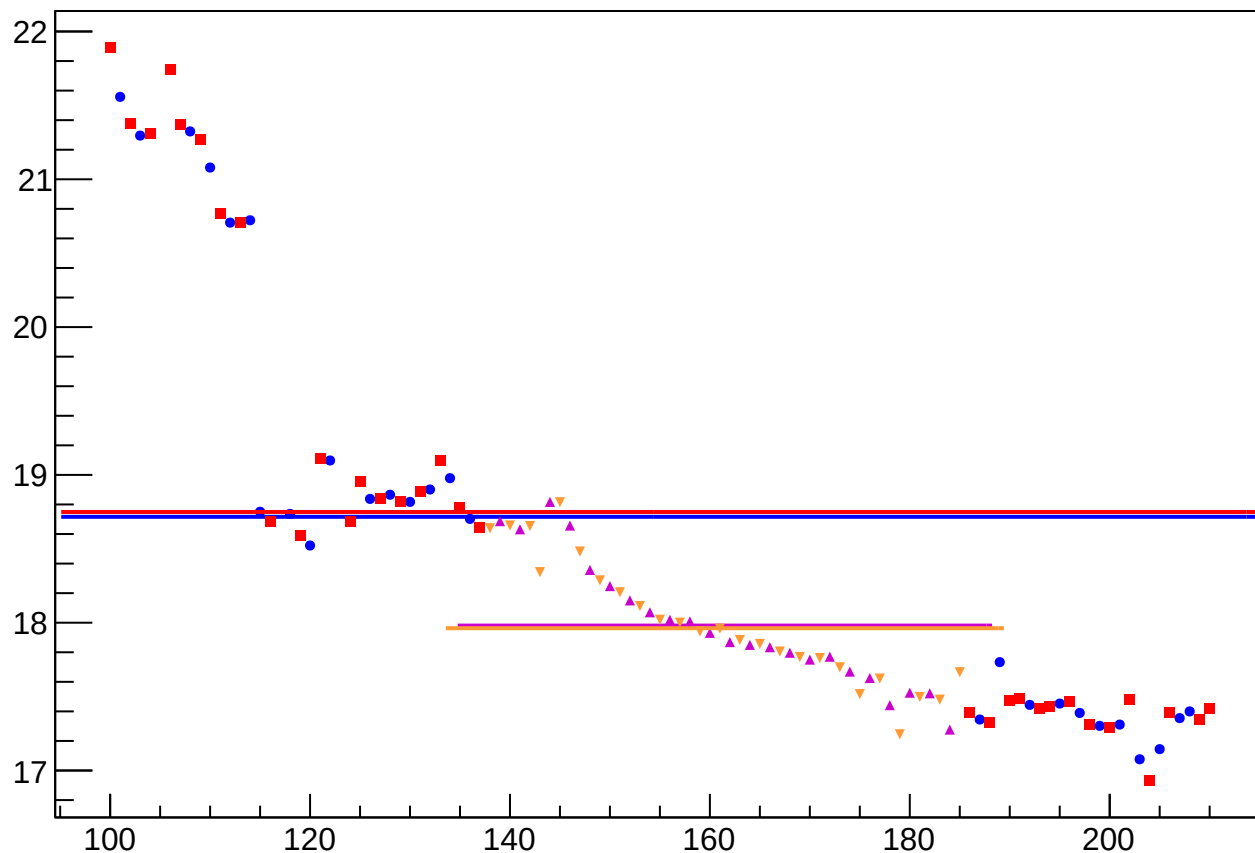
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF:788235.2/22

+ sign 0.073 $\pm$ 0.000 χ^2 /NDF: 8704534.4/51

All: 0.075 $\pm$ 0.000 χ^2 /NDF: 18777818.8/107

- sign 0.077 $\pm$ 0.000 χ^2 /NDF: 10001750.9/55

yield_sam5_mean vs Slug



Right In: 18.716 $\pm$ 0.000 χ^2 /NDF: 33291816251.4/26

Left Out: 17.963 $\pm$ 0.000 χ^2 /NDF: 3041551307.2/24

Right Out: 18.749 $\pm$ 0.000 χ^2 /NDF: 36857695609.4/32

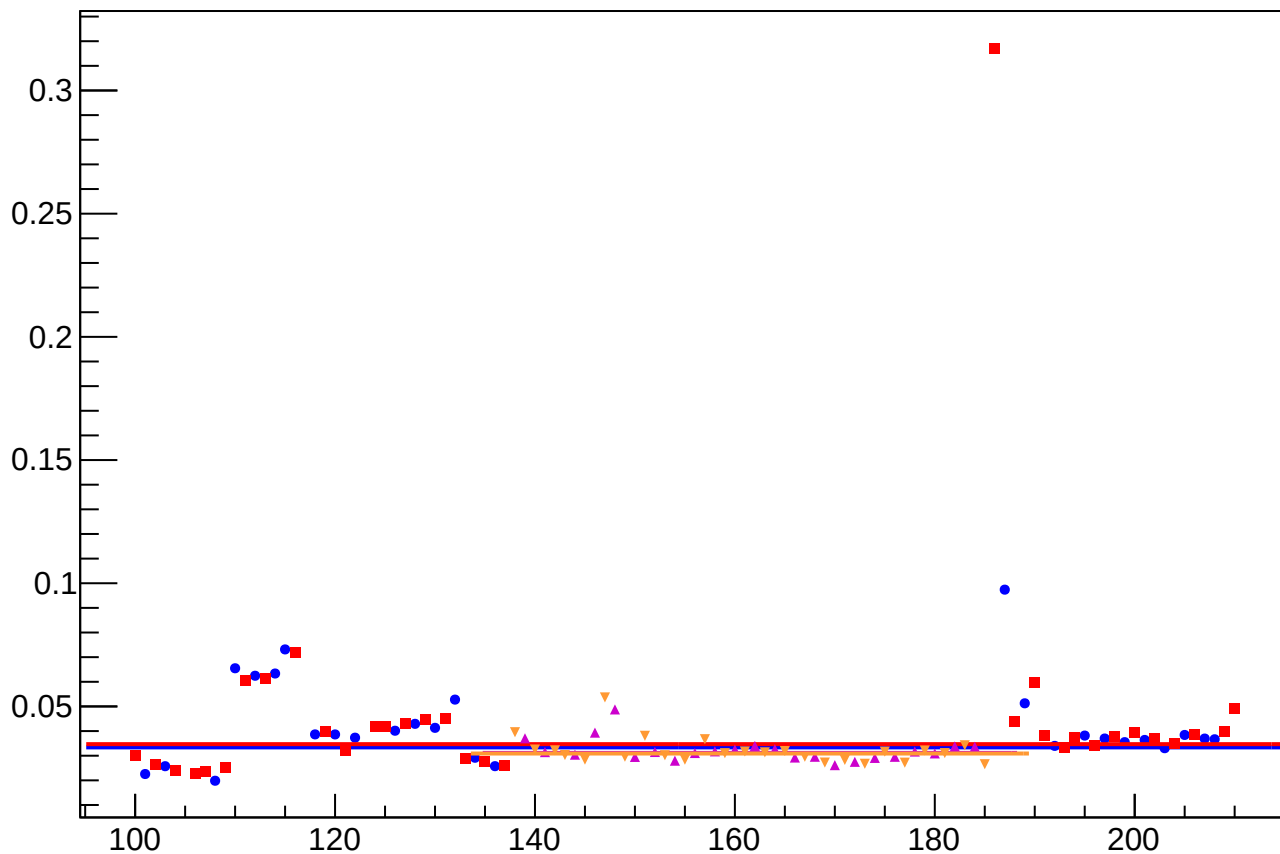
Left In: 17.980 $\pm$ 0.000 χ^2 /NDF: 2720441956.8/22

+ sign 18.260 $\pm$ 0.000 χ^2 /NDF: 40636343004.0/51

All: 18.283 $\pm$ 0.000 χ^2 /NDF: 84722907627.6

- sign 18.306 $\pm$ 0.000 χ^2 /NDF: 44053547493.7/55

yield_sam5_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 1963413.6/26

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:633519.6/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 2437618.8/32

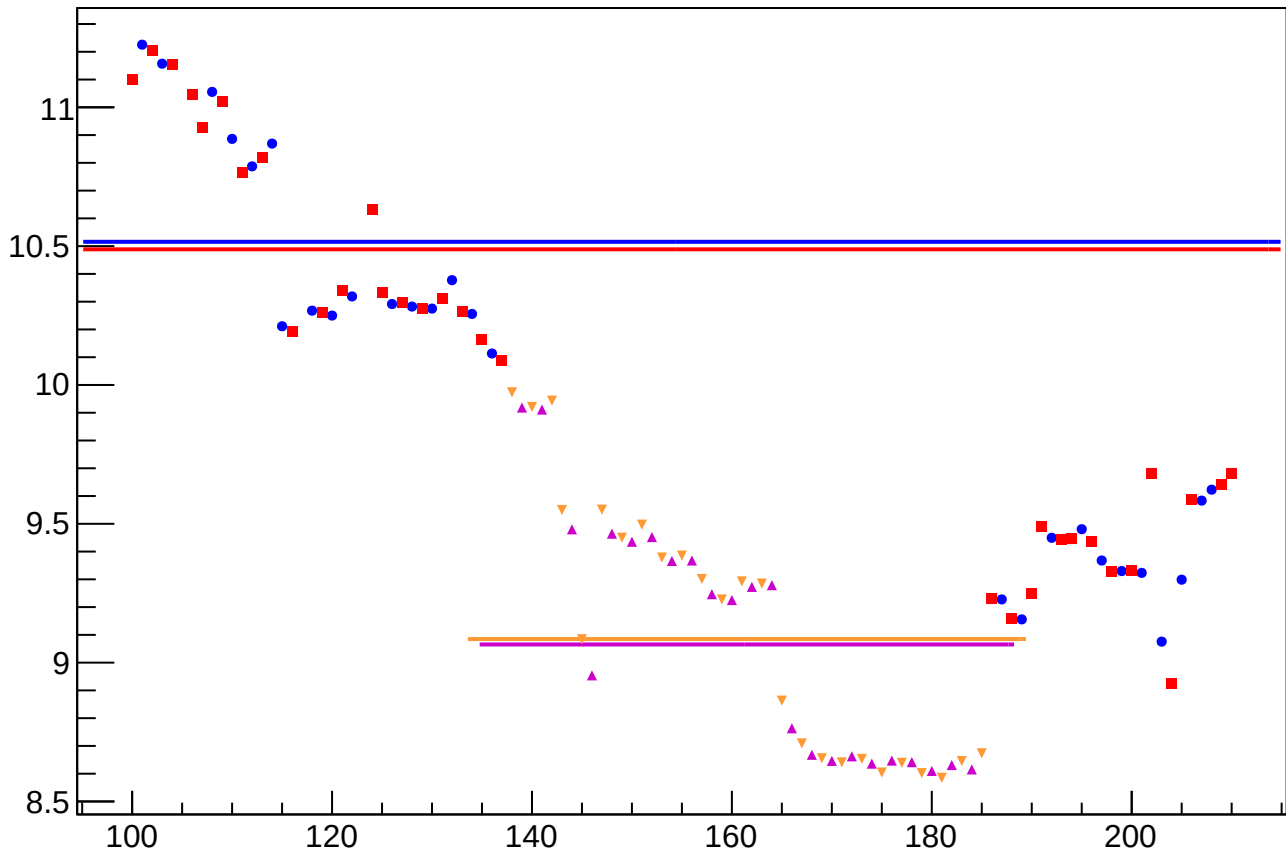
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:482919.2/22

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2690343.3/51

All: 0.032 $\pm$ 0.000 χ^2 /NDF: 5821363.3/107

- sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3112238.2/55

yield_sam6_mean vs Slug



Right In: 10.516 $\pm$ 0.000 χ^2 /NDF: 14099437502.7/26

Left Out: 9.085 $\pm$ 0.000 χ^2 /NDF:10203625727.4/24

Right Out: 10.489 $\pm$ 0.000 χ^2 /NDF: 13571477093.1/32

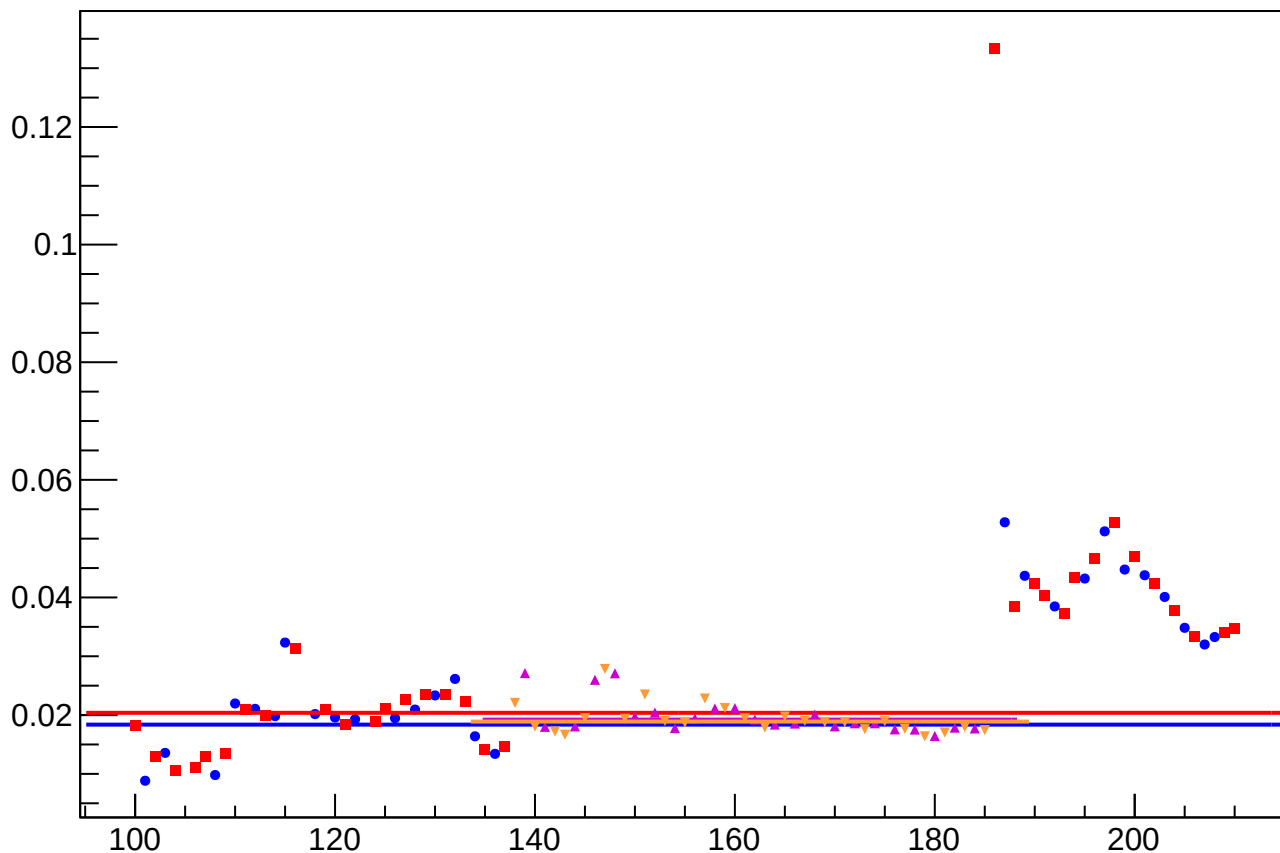
Left In: 9.065 $\pm$ 0.000 χ^2 /NDF:8070708662.0/22

+ sign 9.659 $\pm$ 0.000 χ^2 /NDF: 64781550324.7/51

All: 9.658 $\pm$ 0.000 χ^2 /NDF: 124153169102.1

- sign 9.657 $\pm$ 0.000 χ^2 /NDF: 59371529988.2/55

yield_sam6_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF : 7294451.9/26

Left Out: 0.019+/-0.000 χ^2/NDF : 441360.7/24

Right Out: 0.020+/-0.000 χ^2/NDF : 7696822.5/32

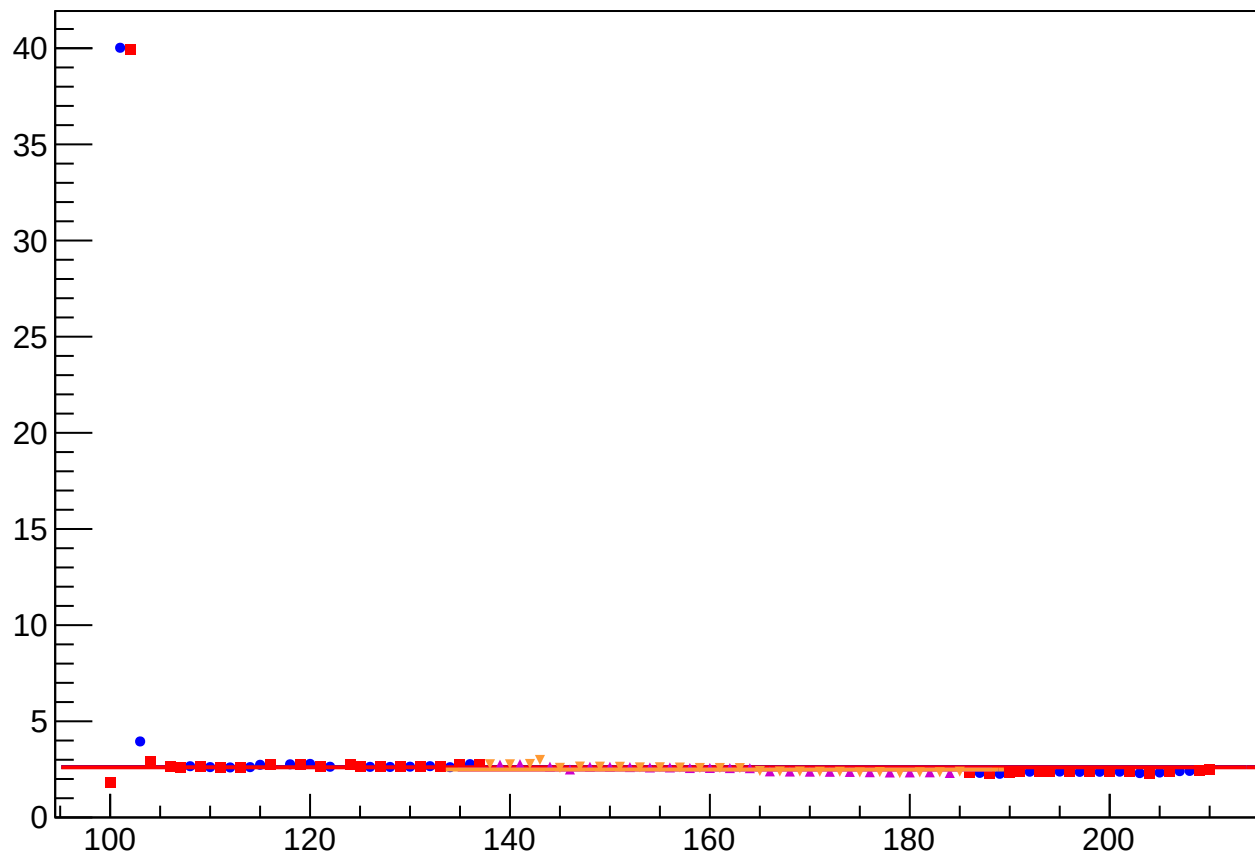
Left In: 0.019+/-0.000 χ^2/NDF : 540886.4/22

+ sign 0.019+/-0.000 χ^2/NDF : 7746474.2/51

All: 0.019+/-0.000 χ^2/NDF : 16116733.7/107

- sign 0.020+/-0.000 χ^2/NDF : 8287018.6/55

yield_sam7_mean vs Slug



Right In: 2.623 $\pm$ 0.000 χ^2 /NDF: 85876376595.8/26

Left Out: 2.491 $\pm$ 0.000 χ^2 /NDF: 92364283353.6/24

Right Out: 2.609 $\pm$ 0.000 χ^2 /NDF: 84969631214.6/32

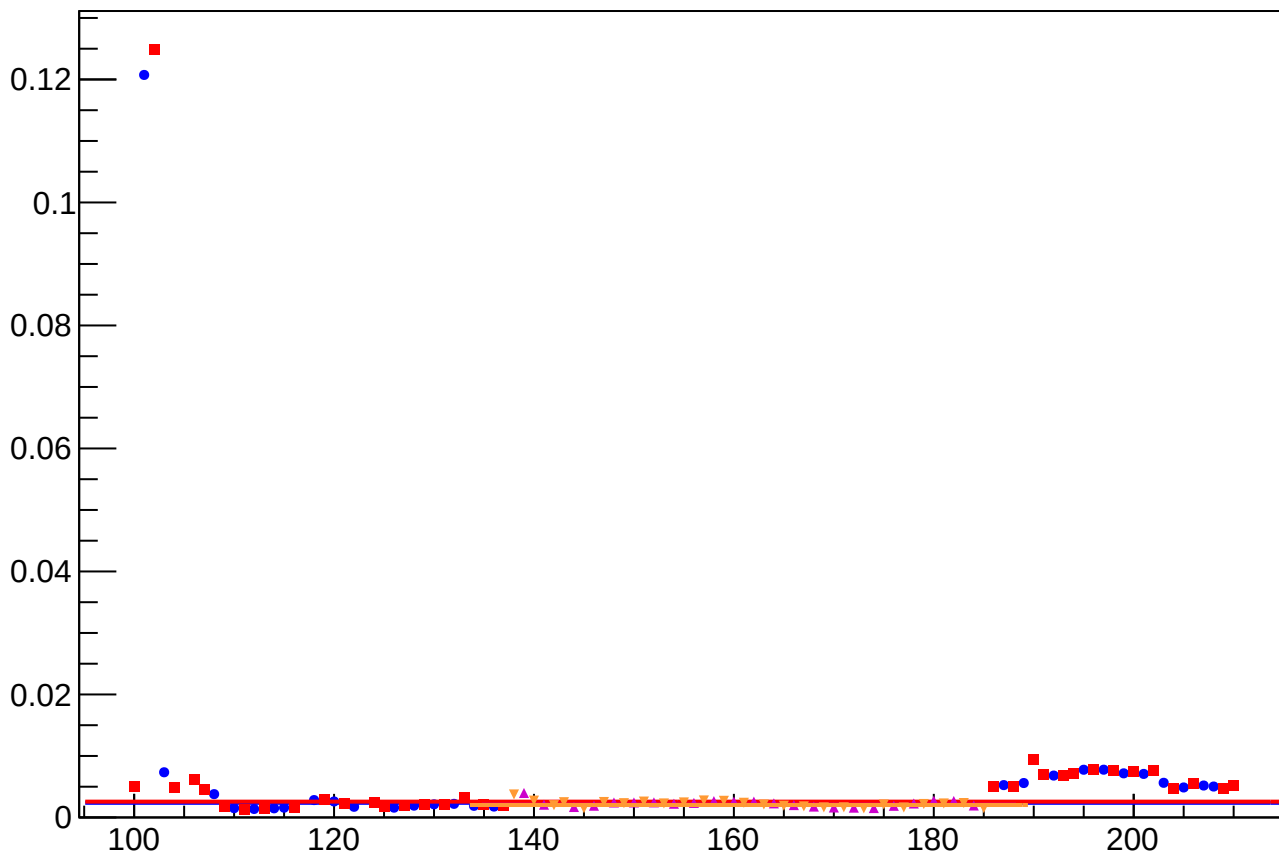
Left In: 2.489 $\pm$ 0.000 χ^2 /NDF: 61212546319.1/22

+ sign 2.532 $\pm$ 0.000 χ^2 /NDF: 198315877638.4/51

All: 2.530 $\pm$ 0.000 χ^2 /NDF: 360857378062.4

- sign 2.528 $\pm$ 0.000 χ^2 /NDF: 162508096020.4/55

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 9007528.3/26

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1556481.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 10839932.4/32

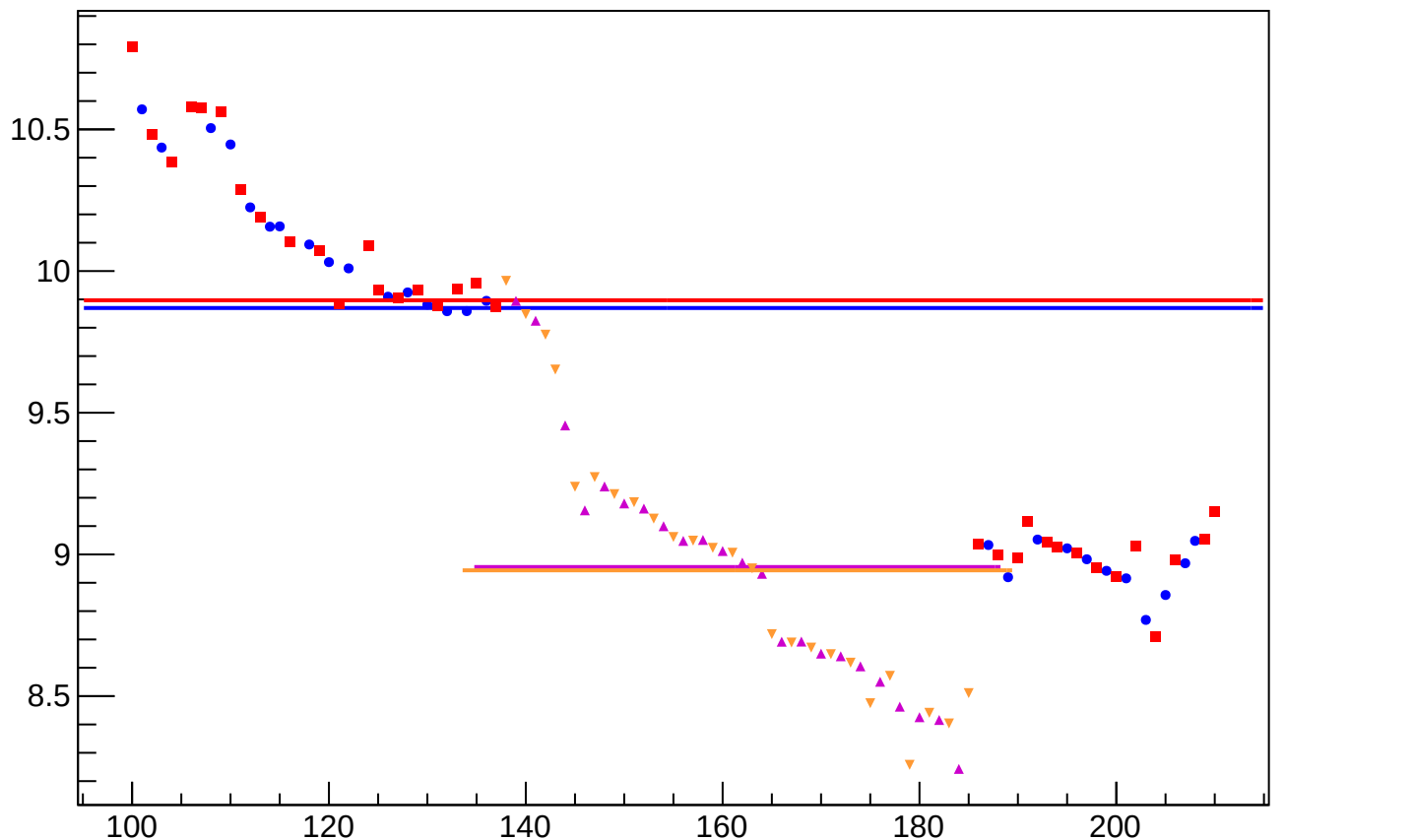
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1402331.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 10852279.9/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 23728640.8/107

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 12823167.4/55

yield_sam8_mean vs Slug



Right In: 9.870 $\pm$ 0.000 χ^2 /NDF: 61887390220.1/26

Left Out: 8.944 $\pm$ 0.000 χ^2 /NDF: 65887712966.5/24

Right Out: 9.897 $\pm$ 0.000 χ^2 /NDF: 72460460090.7/32

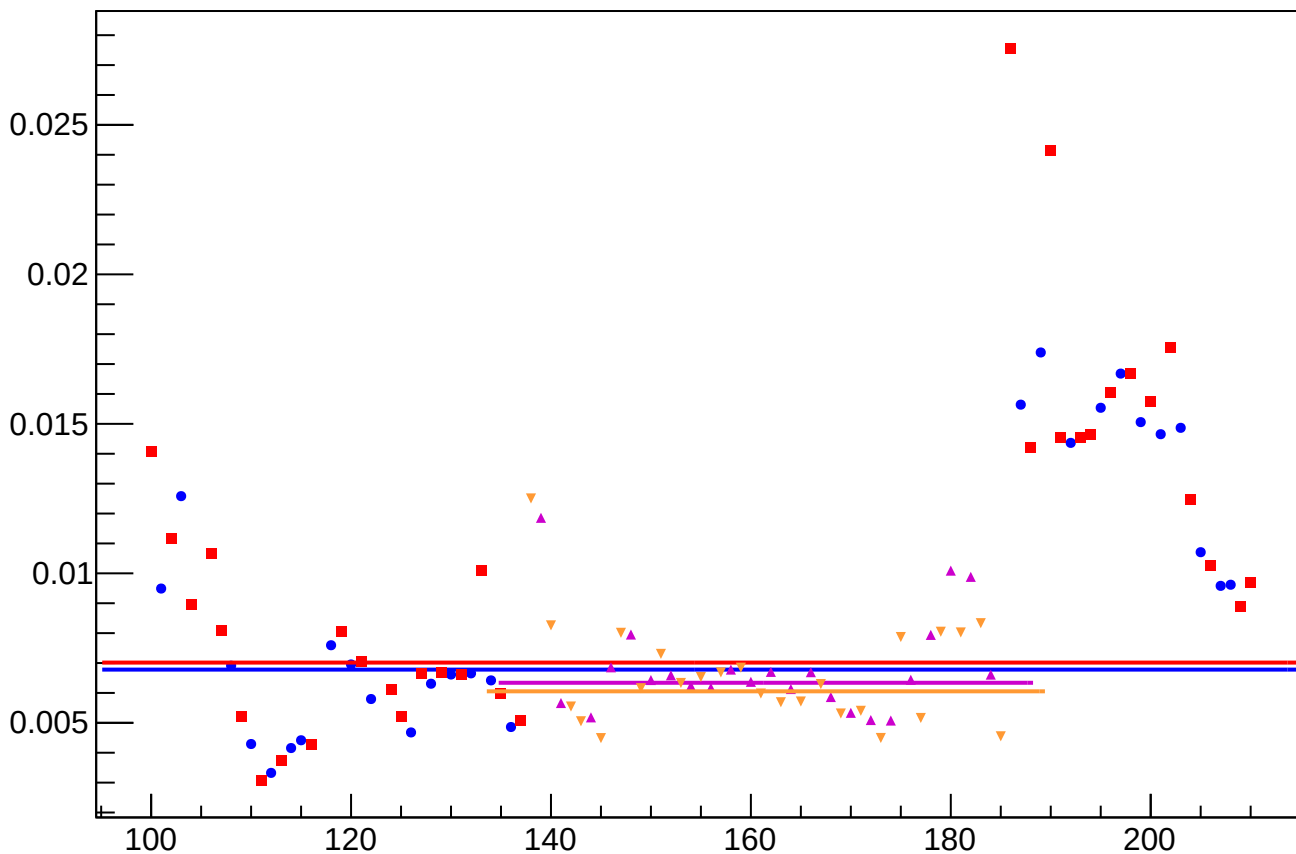
Left In: 8.956 $\pm$ 0.000 χ^2 /NDF: 51572164470.4/22

+ sign 9.286 $\pm$ 0.000 χ^2 /NDF: 259469457201.5/51

All: 9.315 $\pm$ 0.000 χ^2 /NDF: 517910515158.5

- sign 9.346 $\pm$ 0.000 χ^2 /NDF: 257257709925.7/55

yield_sam8_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6253357.7/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1461022.8/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 8164506.8/32

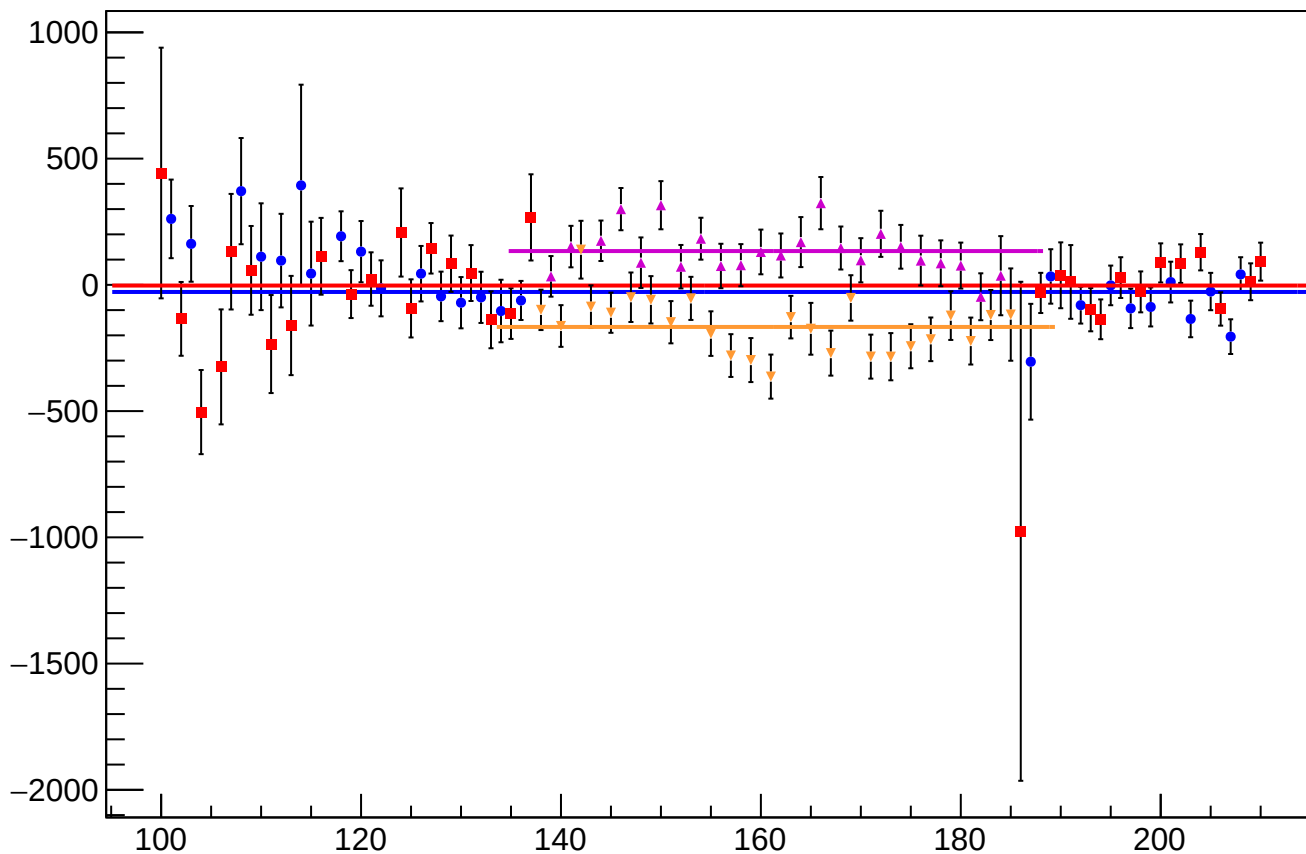
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1175260.9/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7876492.0/51

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 17410237.5/107

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 9476914.6/55

reg_asym_sam1_mean vs Slug



Right In: -28.161 ± 18.907 χ^2/NDF : 32.6/26

Left Out: -166.676 ± 18.079 χ^2/NDF : 31.6/24

Right Out: -2.745 ± 18.167 χ^2/NDF : 41.4/32

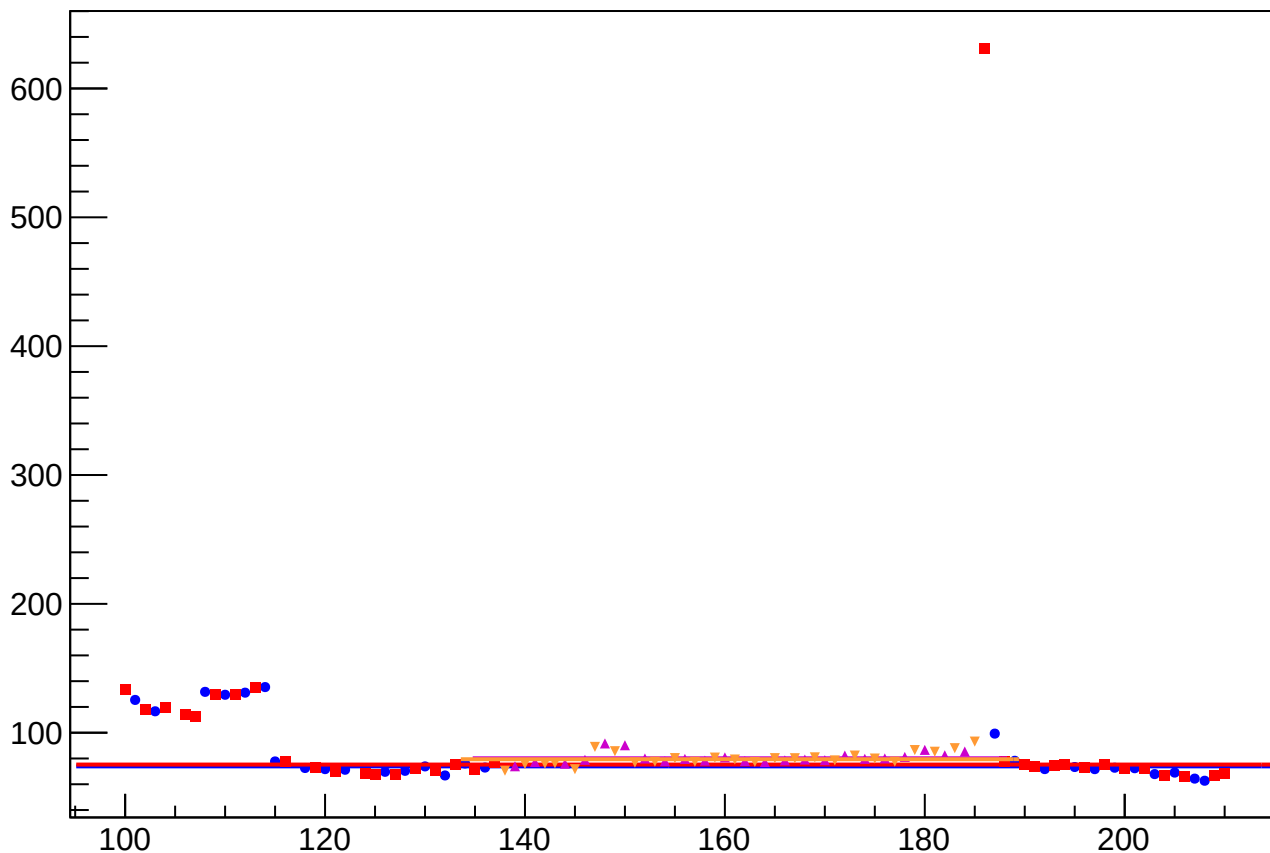
Left In: 133.843 ± 18.756 χ^2/NDF : 20.7/22

+ sign -100.518 ± 13.067 χ^2/NDF : 92.3/51

All: -18.464 ± 9.233 χ^2/NDF : 260.5/107

- sign 63.372 ± 13.049 χ^2/NDF : 89.5/55

reg_asym_sam1_rms vs Slug



Right In: 73.882 $\pm$ 0.013 χ^2 /NDF: 1074859.5/26

Left Out: 79.410 $\pm$ 0.013 χ^2 /NDF: 134796.0/24

Right Out: 75.278 $\pm$ 0.013 χ^2 /NDF: 1774862.3/32

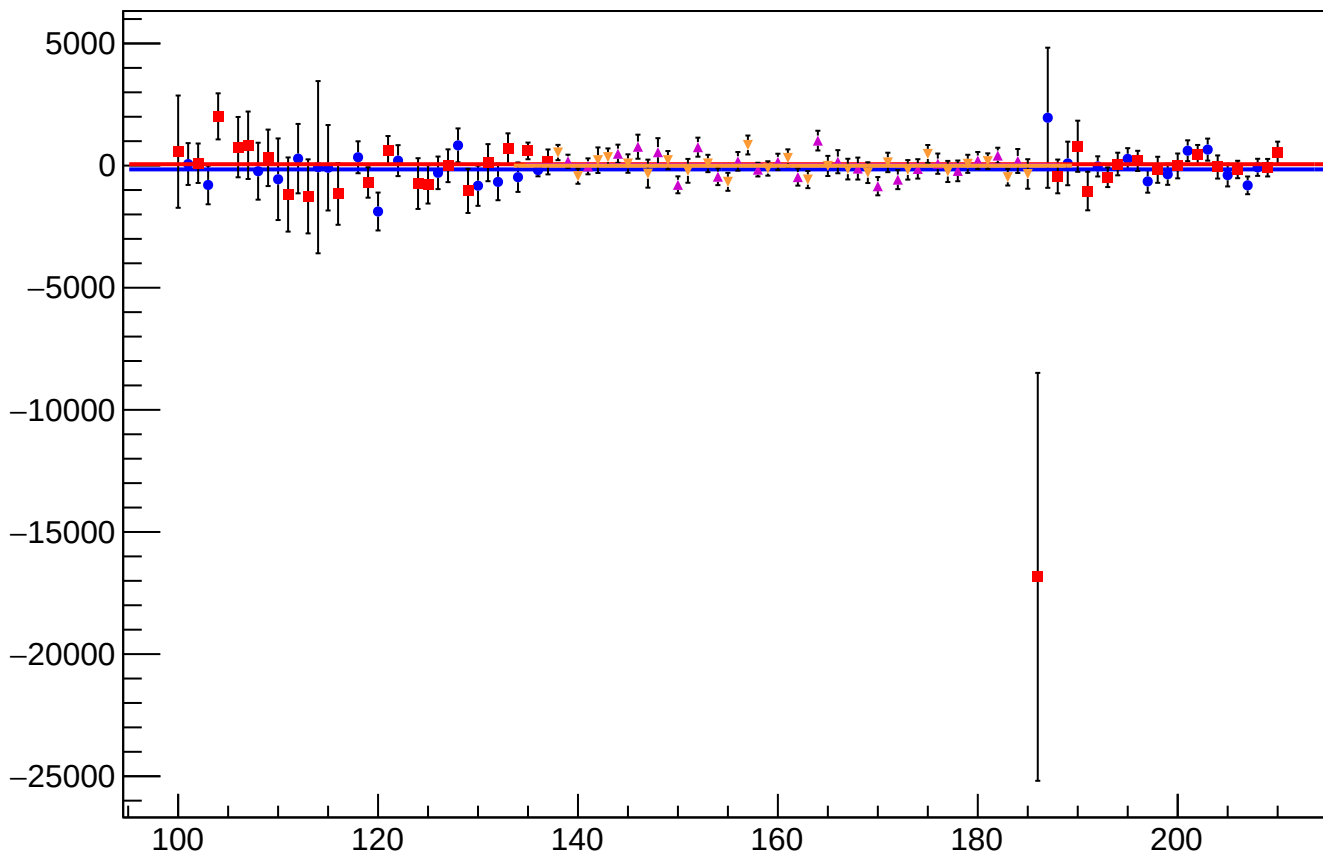
Left In: 80.160 $\pm$ 0.013 χ^2 /NDF: 91469.5/22

+ sign 76.770 $\pm$ 0.009 χ^2 /NDF: 1298967.5/51

All: 77.206 $\pm$ 0.007 χ^2 /NDF: 3239671.8/107

- sign 77.641 $\pm$ 0.009 χ^2 /NDF: 1936254.2/55

asym_sam1_reg_correction_mean vs Slug



Right In: -155.453 ± 105.034 χ^2/NDF : 23.2/26

Left Out: -3.474 ± 75.863 χ^2/NDF : 24.0/24

Right Out: 56.683 ± 102.941 χ^2/NDF : 28.3/32

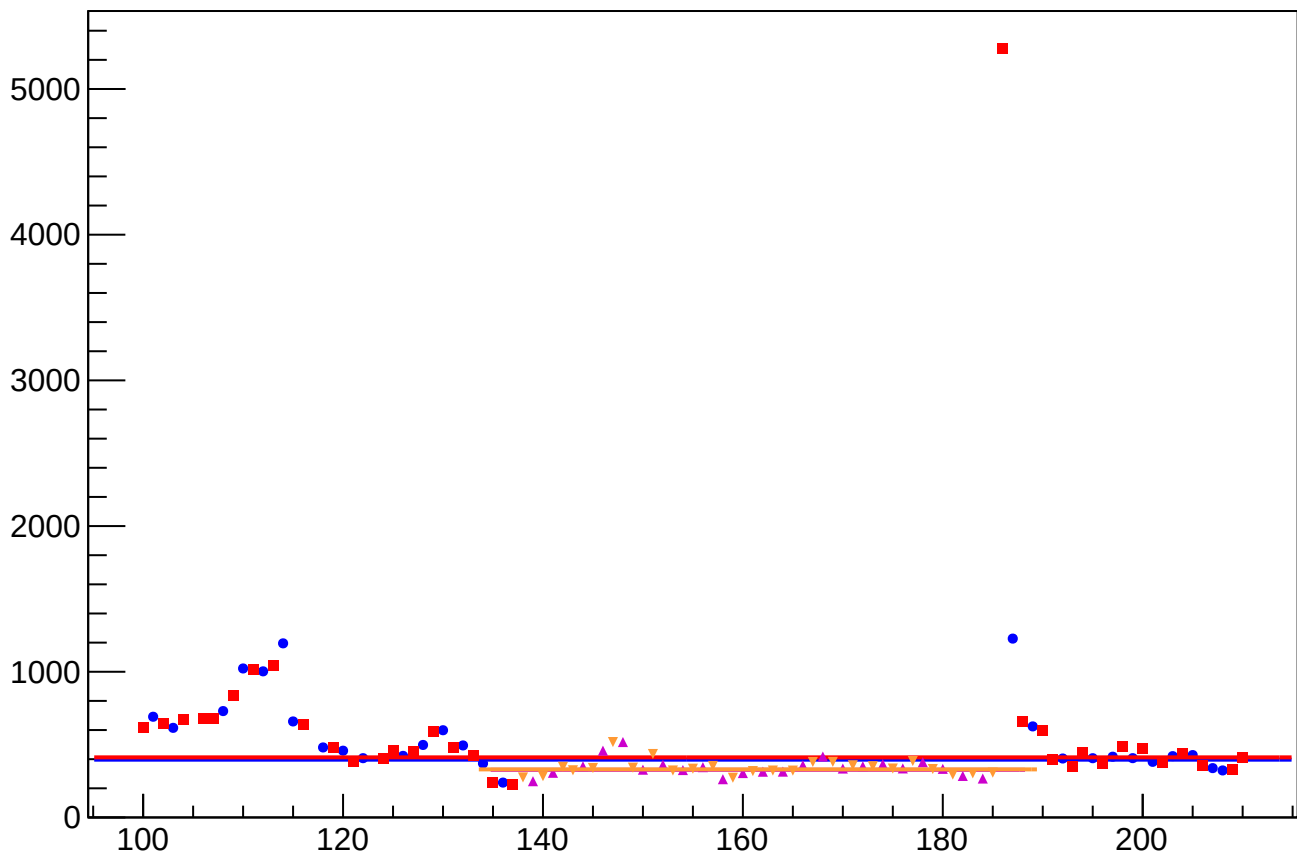
Left In: 19.298 ± 77.541 χ^2/NDF : 35.0/22

+ sign -55.576 ± 61.499 χ^2/NDF : 48.6/51

All: -11.685 ± 43.640 χ^2/NDF : 113.0/107

- sign 32.832 ± 61.936 χ^2/NDF : 63.4/55

asym_sam1_reg_correction_rms vs Slug



Right In: 396.674 $\pm$ 0.074 χ^2 /NDF: 2826354.6/26

Left Out: 329.968 $\pm$ 0.054 χ^2 /NDF: 659241.4/24

Right Out: 412.476 $\pm$ 0.073 χ^2 /NDF: 3715362.9/32

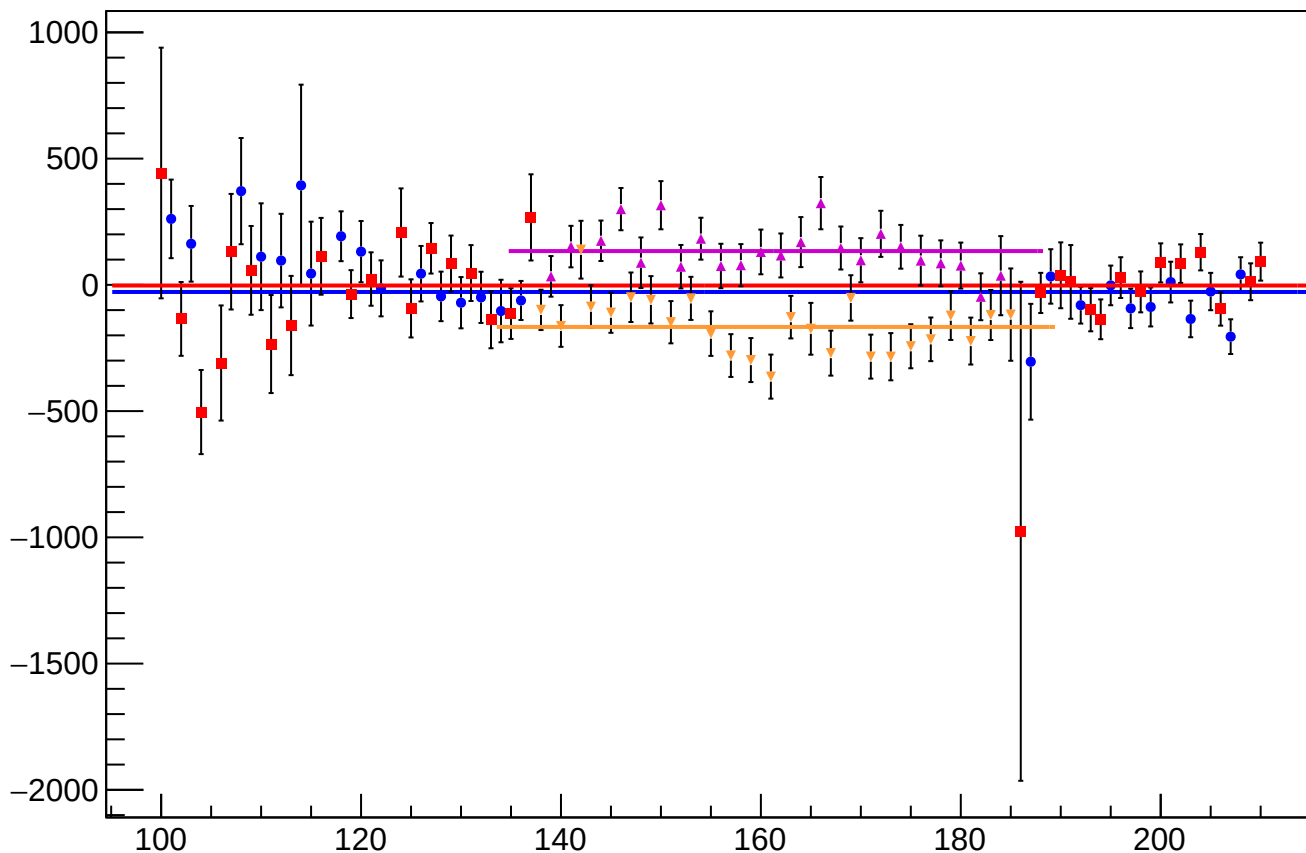
Left In: 326.963 $\pm$ 0.055 χ^2 /NDF: 899326.3/22

+ sign 352.836 $\pm$ 0.043 χ^2 /NDF: 4015721.4/51

All: 355.360 $\pm$ 0.031 χ^2 /NDF: 9517714.1/107

- sign 357.919 $\pm$ 0.044 χ^2 /NDF: 5495211.4/55

cor_asym_sam1_mean vs Slug



Right In: -28.161 ± 18.907 χ^2/NDF : 32.6/26

Left Out: -166.675 ± 18.079 χ^2/NDF : 31.6/24

Right Out: -2.641 ± 18.167 χ^2/NDF : 41.2/32

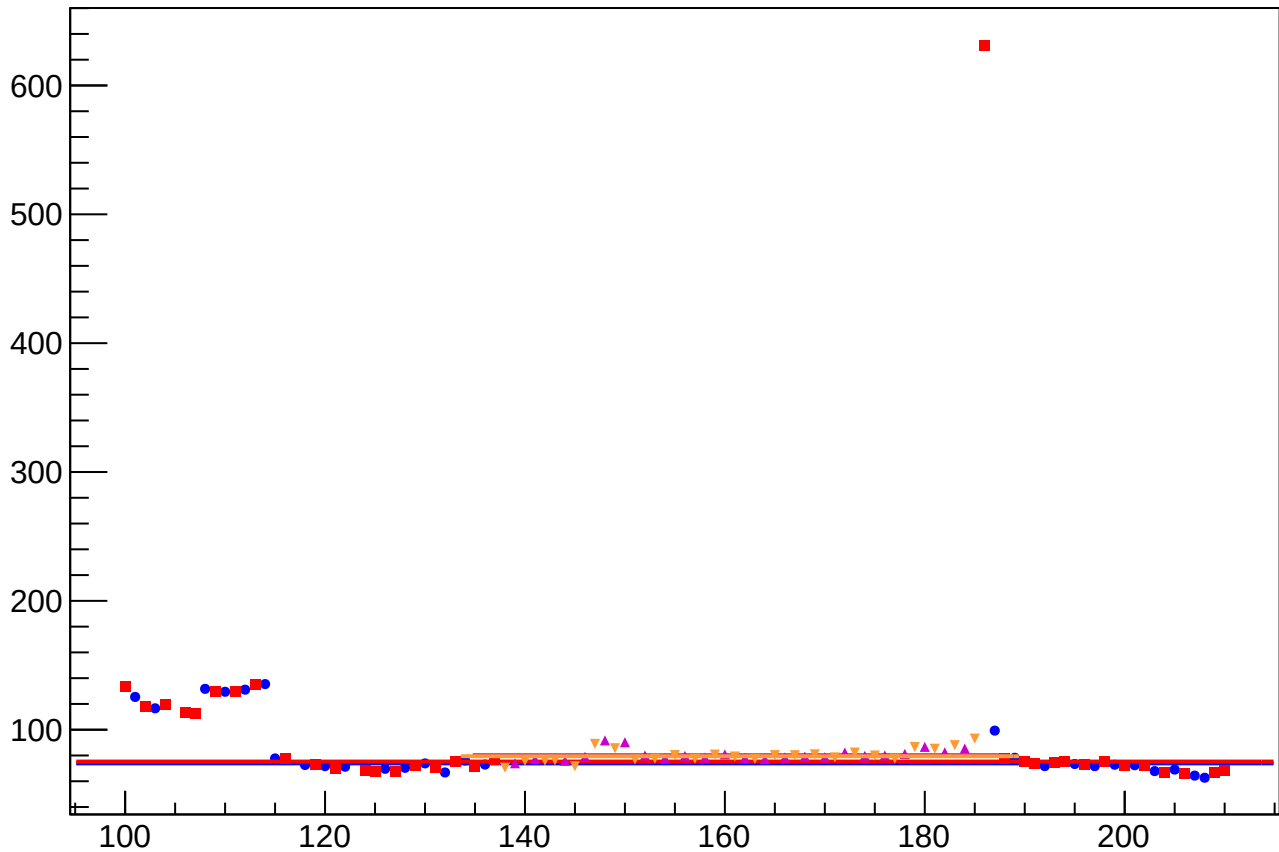
Left In: 133.850 ± 18.756 χ^2/NDF : 20.7/22

+ sign -100.517 ± 13.067 χ^2/NDF : 92.3/51

All: -18.435 ± 9.233 χ^2/NDF : 260.3/107

- sign 63.429 ± 13.049 χ^2/NDF : 89.3/55

cor_asym_sam1_rms vs Slug



Right In: 73.882 $\pm$ 0.013 χ^2 /NDF: 1074859.7/26

Left Out: 79.410 $\pm$ 0.013 χ^2 /NDF: 134796.1/24

Right Out: 75.272 $\pm$ 0.013 χ^2 /NDF: 1772567.2/32

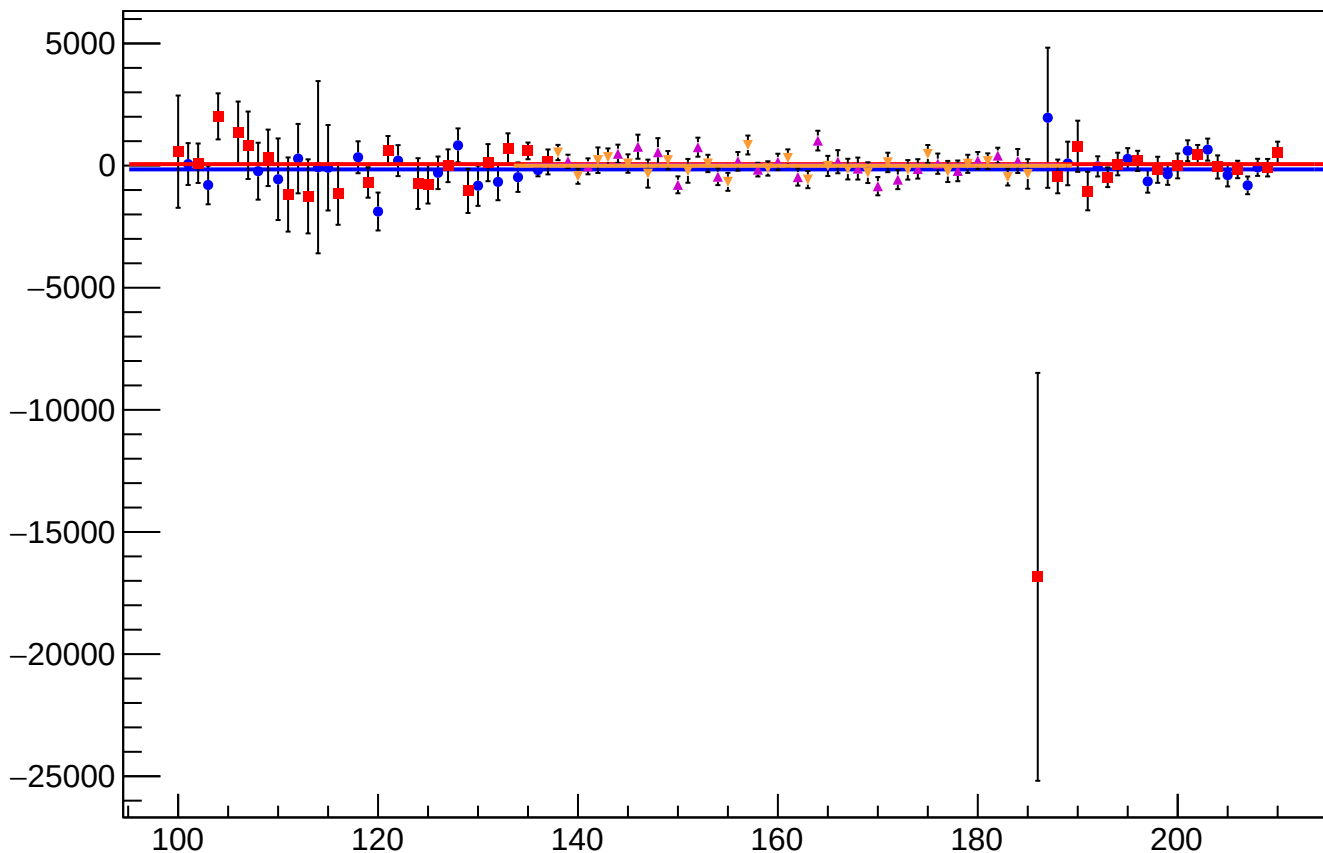
Left In: 80.160 $\pm$ 0.013 χ^2 /NDF: 91469.5/22

+ sign 76.770 $\pm$ 0.009 χ^2 /NDF: 1298967.8/51

All: 77.205 $\pm$ 0.007 χ^2 /NDF: 3237500.0/107

- sign 77.638 $\pm$ 0.009 χ^2 /NDF: 1934109.7/55

asym_sam1_cor_correction_mean vs Slug



Right In: -155.456 ± 105.034 χ^2/NDF : 23.2/26

Left Out: -3.474 ± 75.863 χ^2/NDF : 24.0/24

Right Out: 60.259 ± 102.962 χ^2/NDF : 29.0/32

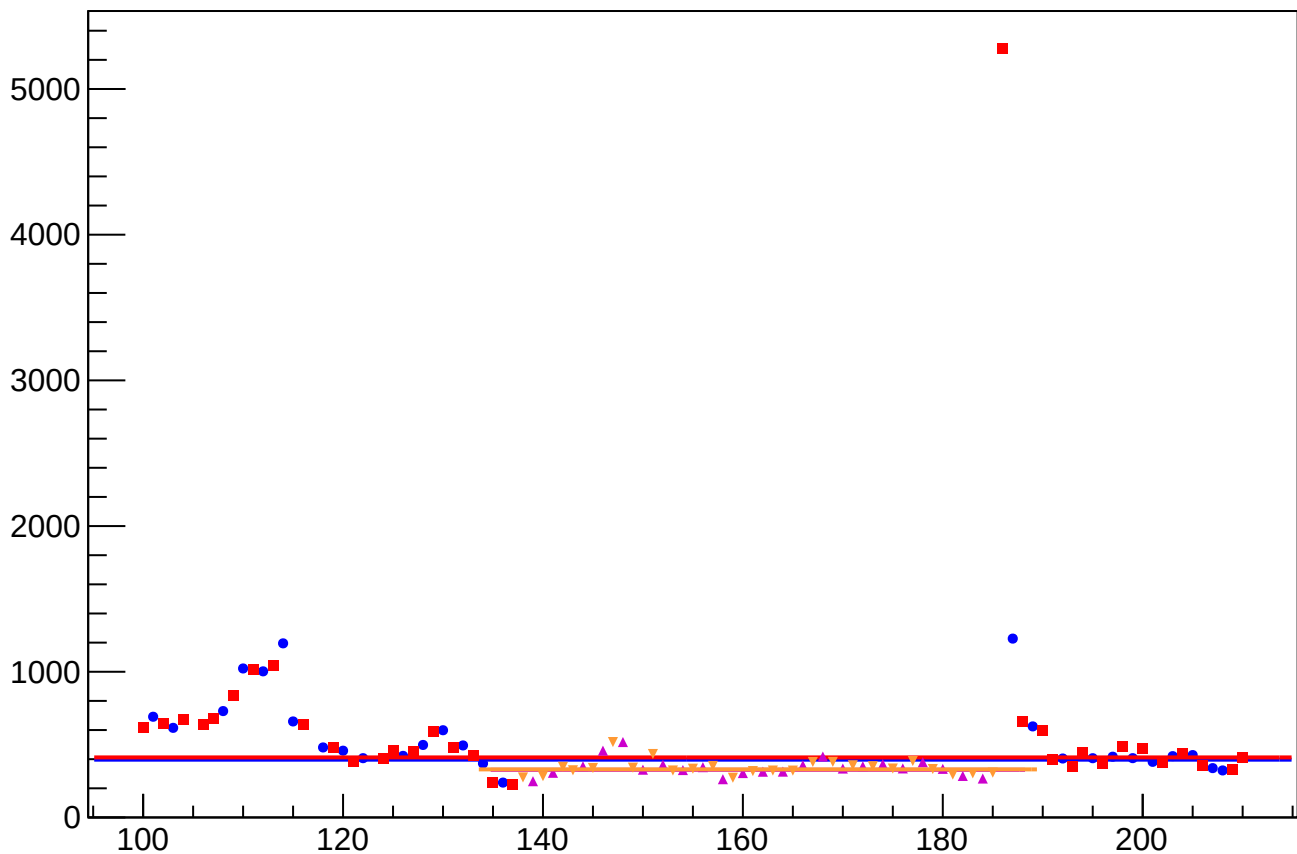
Left In: 19.305 ± 77.541 χ^2/NDF : 35.0/22

+ sign -55.577 ± 61.499 χ^2/NDF : 48.6/51

All: -11.046 ± 43.642 χ^2/NDF : 113.8/107

- sign 34.126 ± 61.940 χ^2/NDF : 64.1/55

asym_sam1_cor_correction_rms vs Slug



Right In: 396.674 $\pm$ 0.074 χ^2 /NDF: 2826351.4/26

Left Out: 329.968 $\pm$ 0.054 χ^2 /NDF: 659249.8/24

Right Out: 412.109 $\pm$ 0.073 χ^2 /NDF: 3685784.4/32

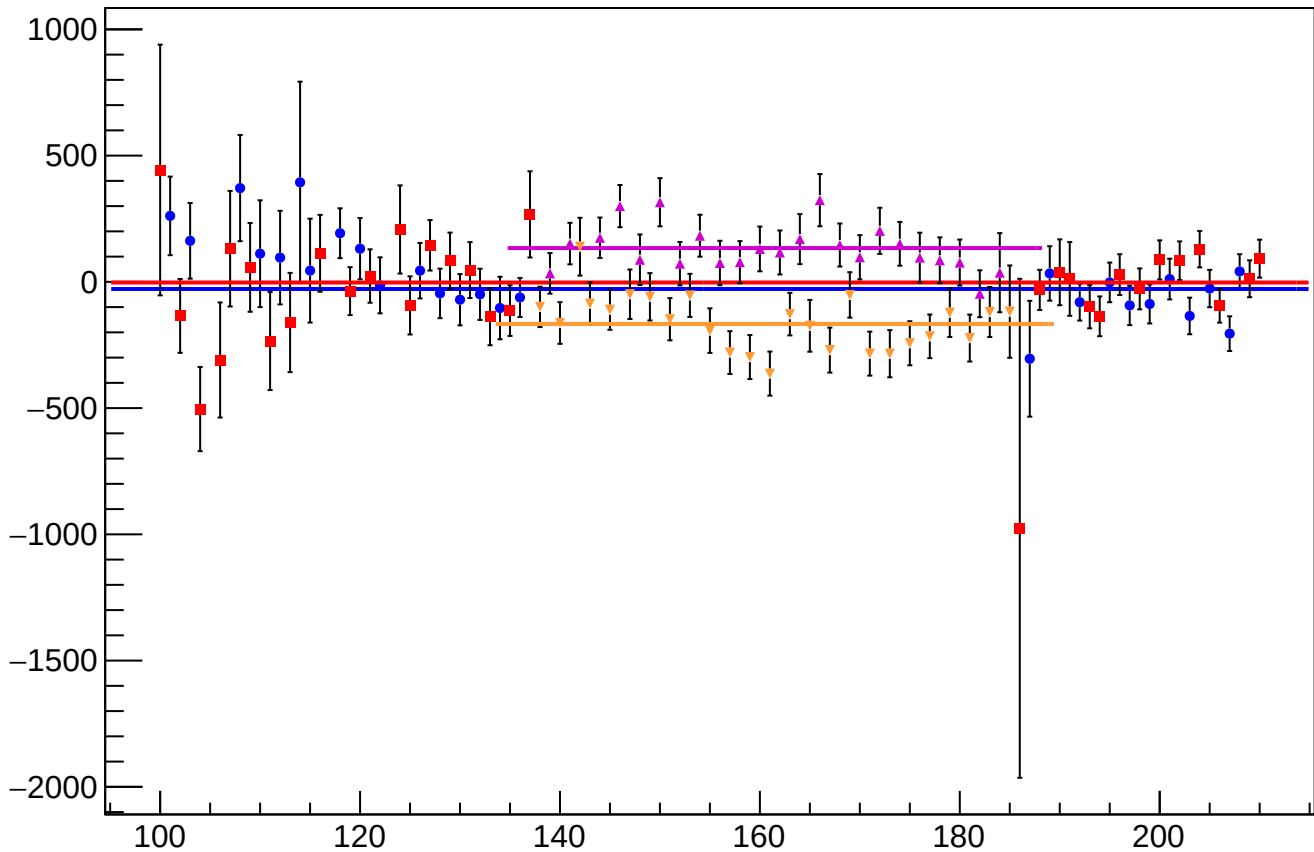
Left In: 326.963 $\pm$ 0.055 χ^2 /NDF: 899329.3/22

+ sign 352.836 $\pm$ 0.043 χ^2 /NDF: 4015729.6/51

All: 355.289 $\pm$ 0.031 χ^2 /NDF: 9479989.2/107

- sign 357.777 $\pm$ 0.044 χ^2 /NDF: 5457850.6/55

eigen_cor_asym_sam1_mean vs Slug



Right In: -28.161 ± 18.907 χ^2/NDF : 32.6/26

Left Out: -166.675 ± 18.079 χ^2/NDF : 31.6/24

Right Out: -2.641 ± 18.167 χ^2/NDF : 41.2/32

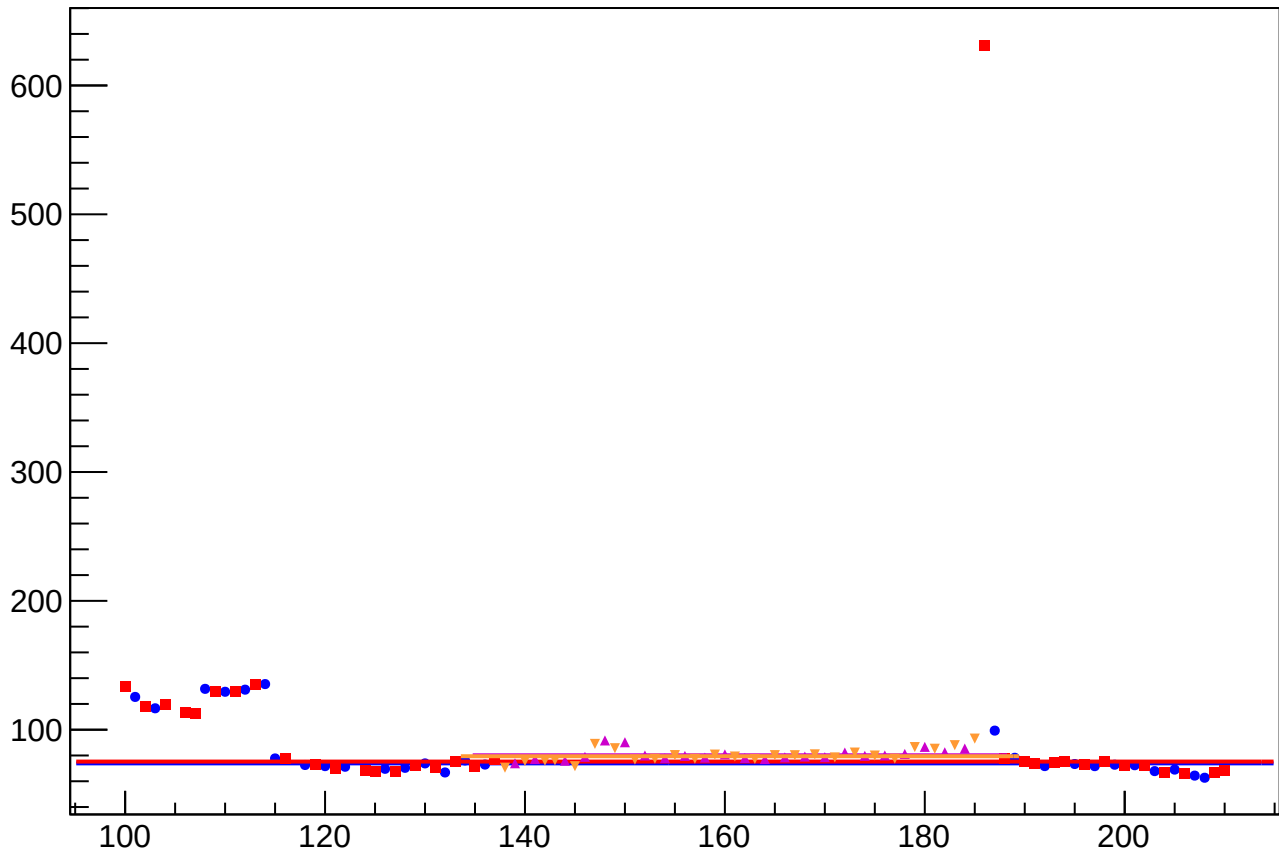
Left In: 133.850 ± 18.756 χ^2/NDF : 20.7/22

+ sign -100.517 ± 13.067 χ^2/NDF : 92.3/51

All: -18.435 ± 9.233 χ^2/NDF : 260.3/107

- sign 63.429 ± 13.049 χ^2/NDF : 89.3/55

eigen_cor_asym_sam1_rms vs Slug



Right In: 73.882 $\pm$ 0.013 χ^2 /NDF: 1074859.7/26

Left Out: 79.410 $\pm$ 0.013 χ^2 /NDF: 134796.1/24

Right Out: 75.272 $\pm$ 0.013 χ^2 /NDF: 1772567.2/32

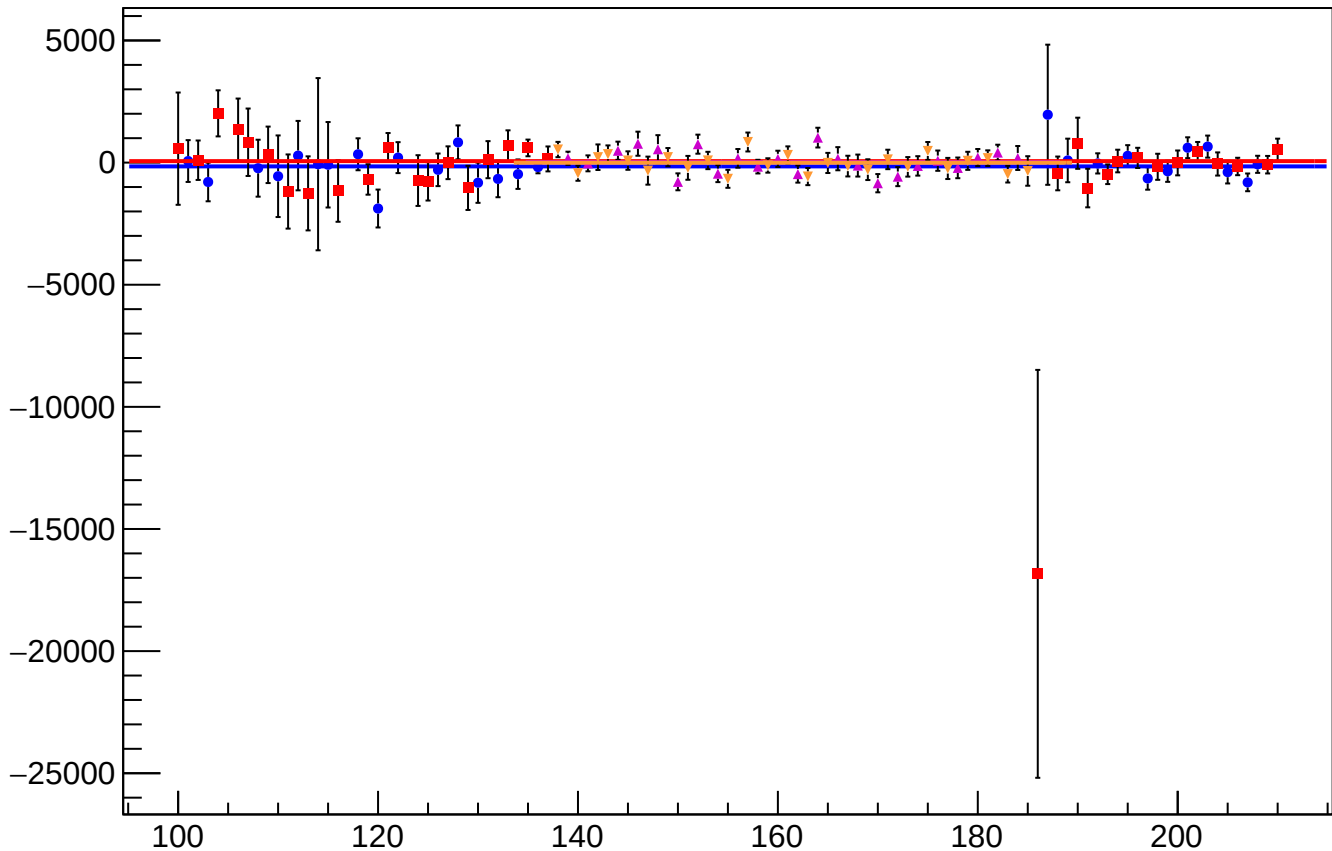
Left In: 80.160 $\pm$ 0.013 χ^2 /NDF: 91469.5/22

+ sign 76.770 $\pm$ 0.009 χ^2 /NDF: 1298967.8/51

All: 77.205 $\pm$ 0.007 χ^2 /NDF: 3237500.0/107

- sign 77.638 $\pm$ 0.009 χ^2 /NDF: 1934109.7/55

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -155.456 ± 105.034 χ^2/NDF : 23.2/26

Left Out: -3.474 ± 75.863 χ^2/NDF : 24.0/24

Right Out: 60.259 ± 102.962 χ^2/NDF : 29.0/32

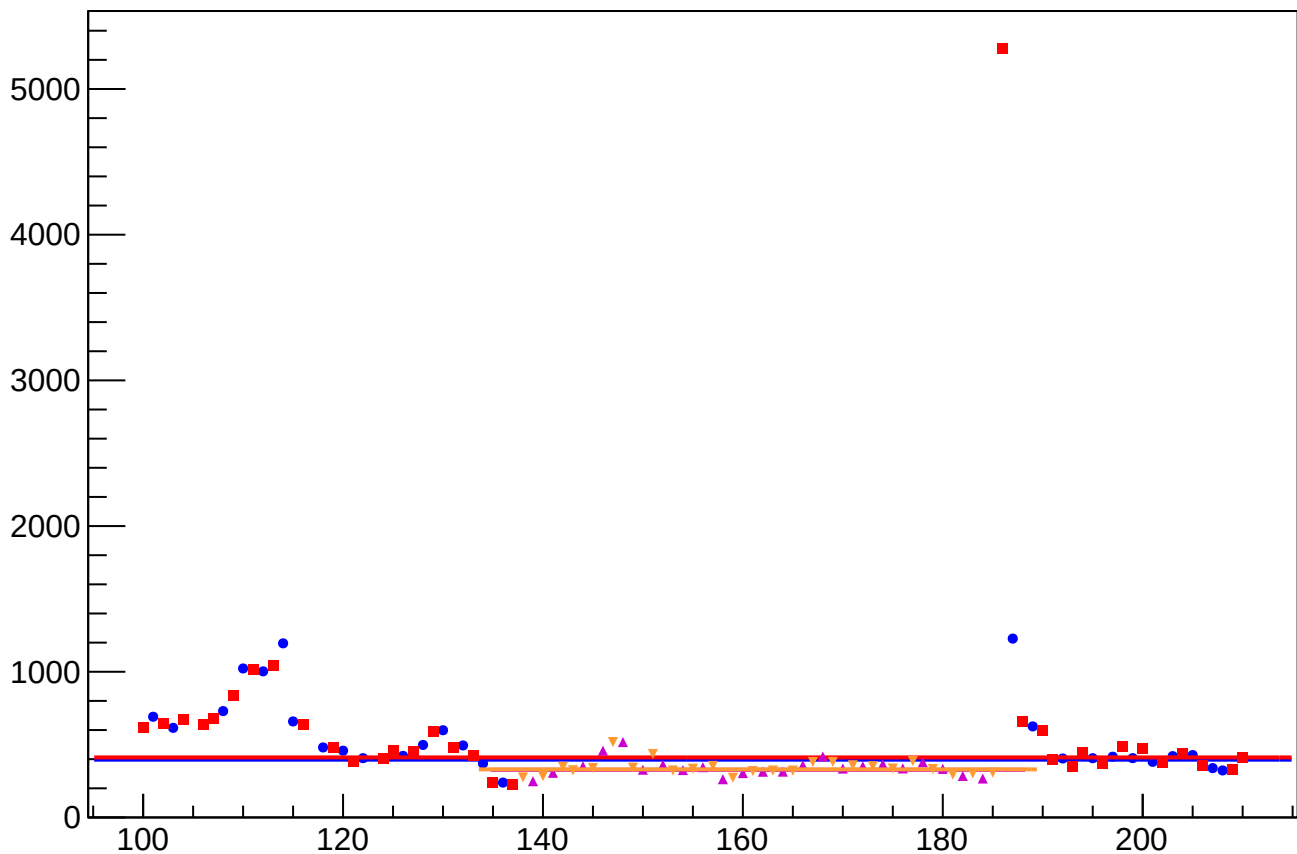
Left In: 19.305 ± 77.541 χ^2/NDF : 35.0/22

+ sign -55.577 ± 61.499 χ^2/NDF : 48.6/51

All: -11.046 ± 43.642 χ^2/NDF : 113.8/107

- sign 34.126 ± 61.940 χ^2/NDF : 64.1/55

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 396.674 $\pm$ 0.074 χ^2 /NDF: 2826351.4/26

Left Out: 329.968 $\pm$ 0.054 χ^2 /NDF: 659249.8/24

Right Out: 412.109 $\pm$ 0.073 χ^2 /NDF: 3685784.4/32

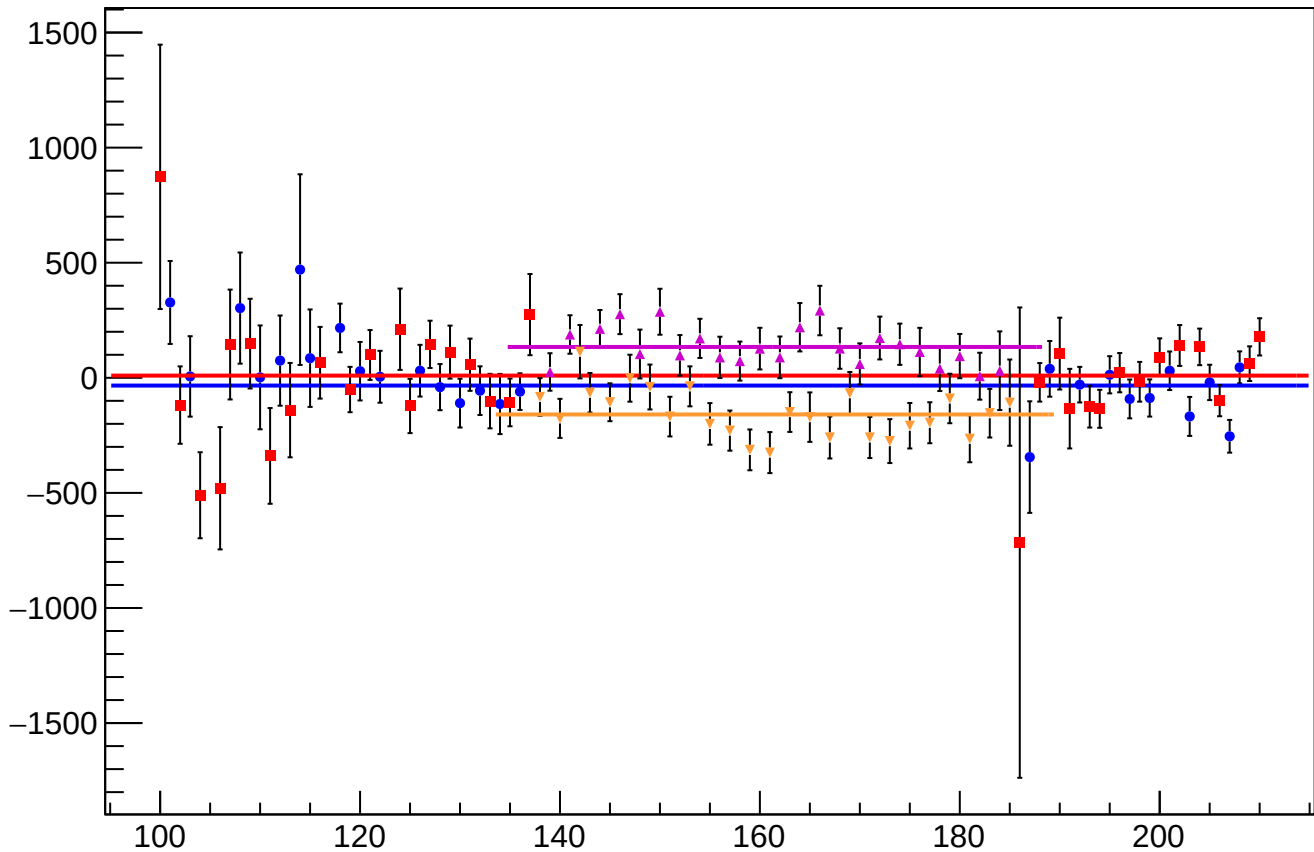
Left In: 326.963 $\pm$ 0.055 χ^2 /NDF: 899329.3/22

+ sign 352.836 $\pm$ 0.043 χ^2 /NDF: 4015729.6/51

All: 355.289 $\pm$ 0.031 χ^2 /NDF: 9479989.2/107

- sign 357.777 $\pm$ 0.044 χ^2 /NDF: 5457850.6/55

dit_asym_sam1_mean vs Slug



Right In: -33.665 ± 19.941 χ^2/NDF : 32.8/26

Left Out: -159.223 ± 18.749 χ^2/NDF : 28.2/24

Right Out: 9.608 ± 19.270 χ^2/NDF : 49.1/32

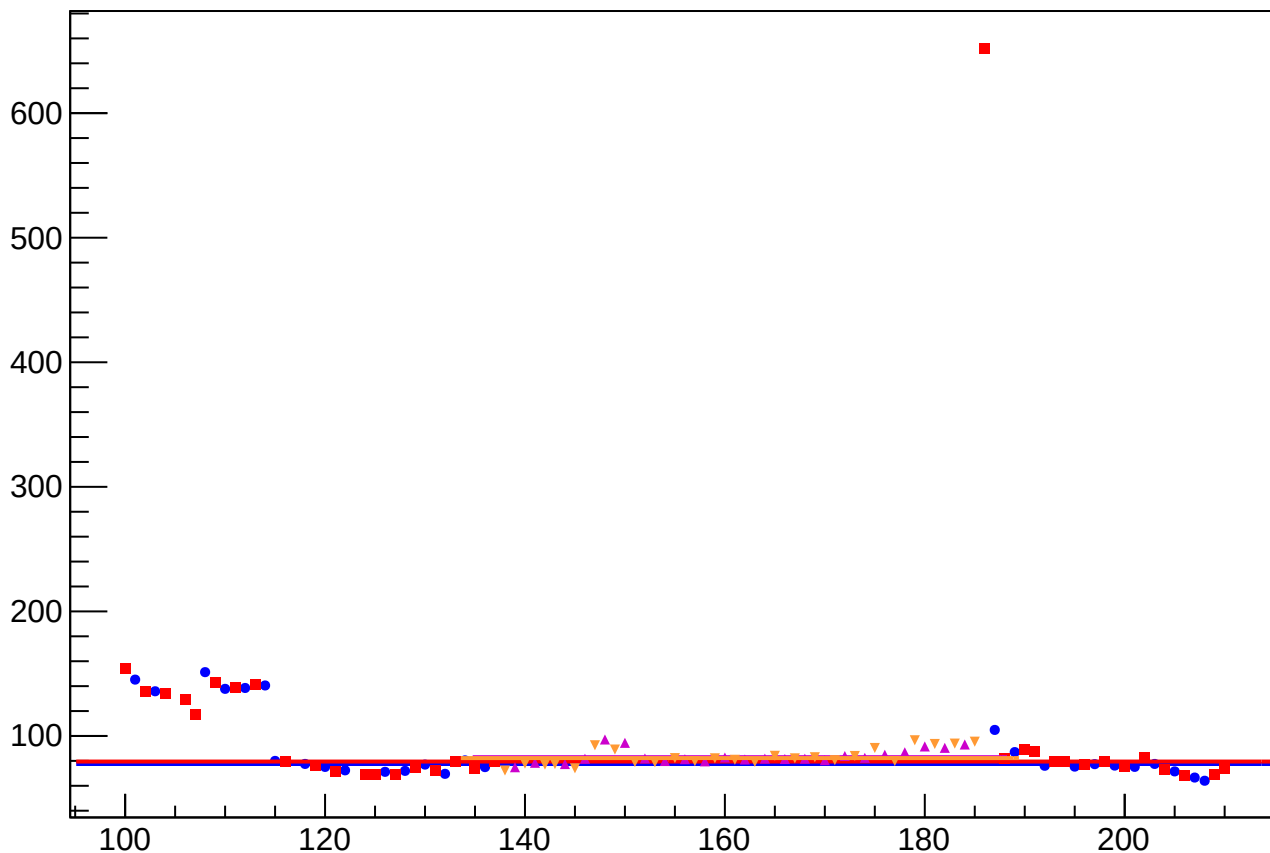
Left In: 134.010 ± 19.441 χ^2/NDF : 16.4/22

+ sign -100.306 ± 13.660 χ^2/NDF : 82.0/51

All: -14.689 ± 9.668 χ^2/NDF : 246.9/107

- sign 71.261 ± 13.686 χ^2/NDF : 86.2/55

dit_asym_sam1_rms vs Slug



Right In: 77.495+/-0.014 χ^2/NDF : 1283020.0/26

Left Out: 82.247+/-0.013 χ^2/NDF : 216548.3/24

Right Out: 79.466+/-0.014 χ^2/NDF : 1946453.8/32

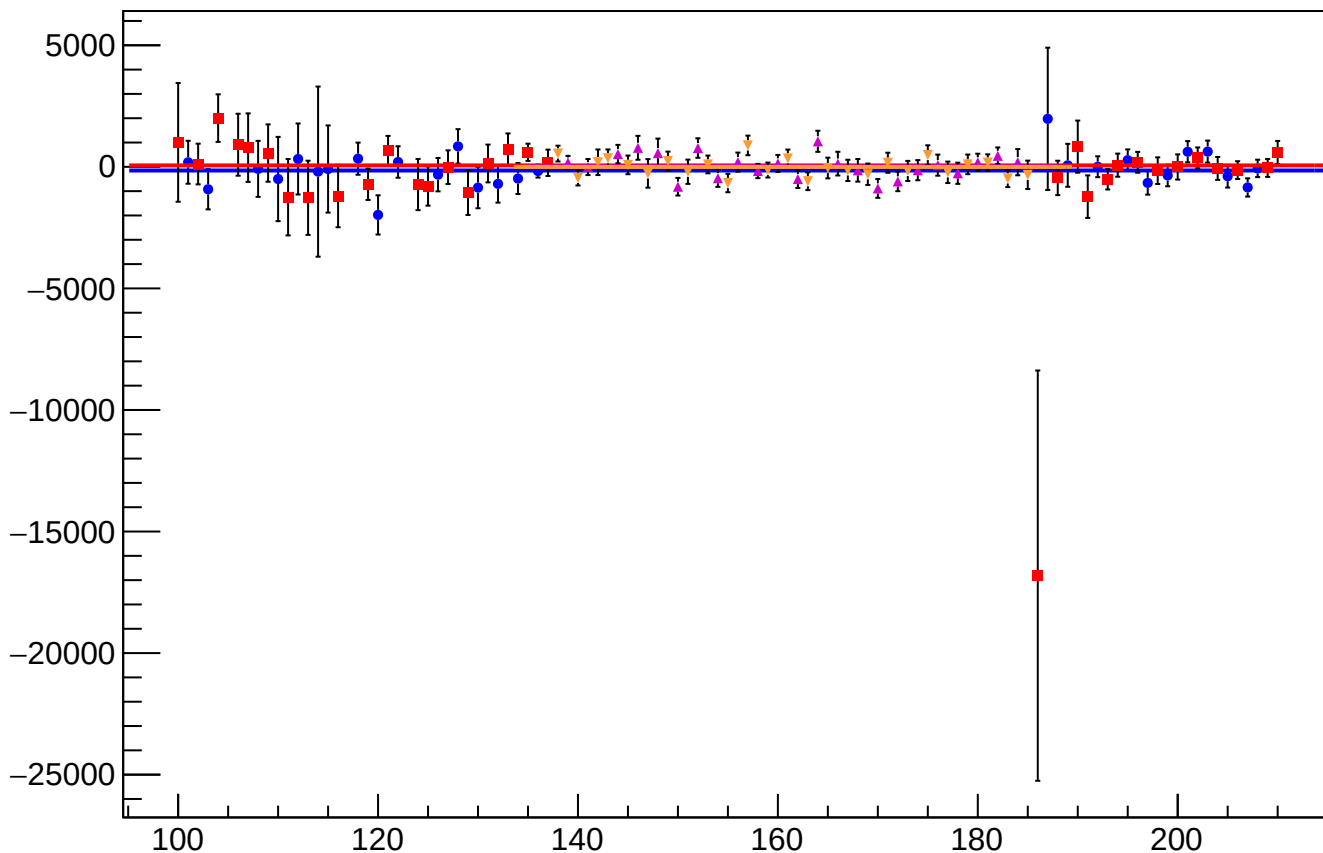
Left In: 82.993+/-0.014 χ^2/NDF : 145608.6/22

+ sign 80.017+/-0.010 χ^2/NDF : 1559849.9/51

All: 80.615+/-0.007 χ^2/NDF : 3692776.9/107

- sign 81.214+/-0.010 χ^2/NDF : 2125269.9/55

asym_sam1_dit_correction_mean vs Slug



Right In: -150.212 $\pm$ 108.285 χ^2 /NDF: 23.4/26

Left Out: -3.095 $\pm$ 78.582 χ^2 /NDF: 23.5/24

Right Out: 58.701 $\pm$ 106.498 χ^2 /NDF: 28.0/32

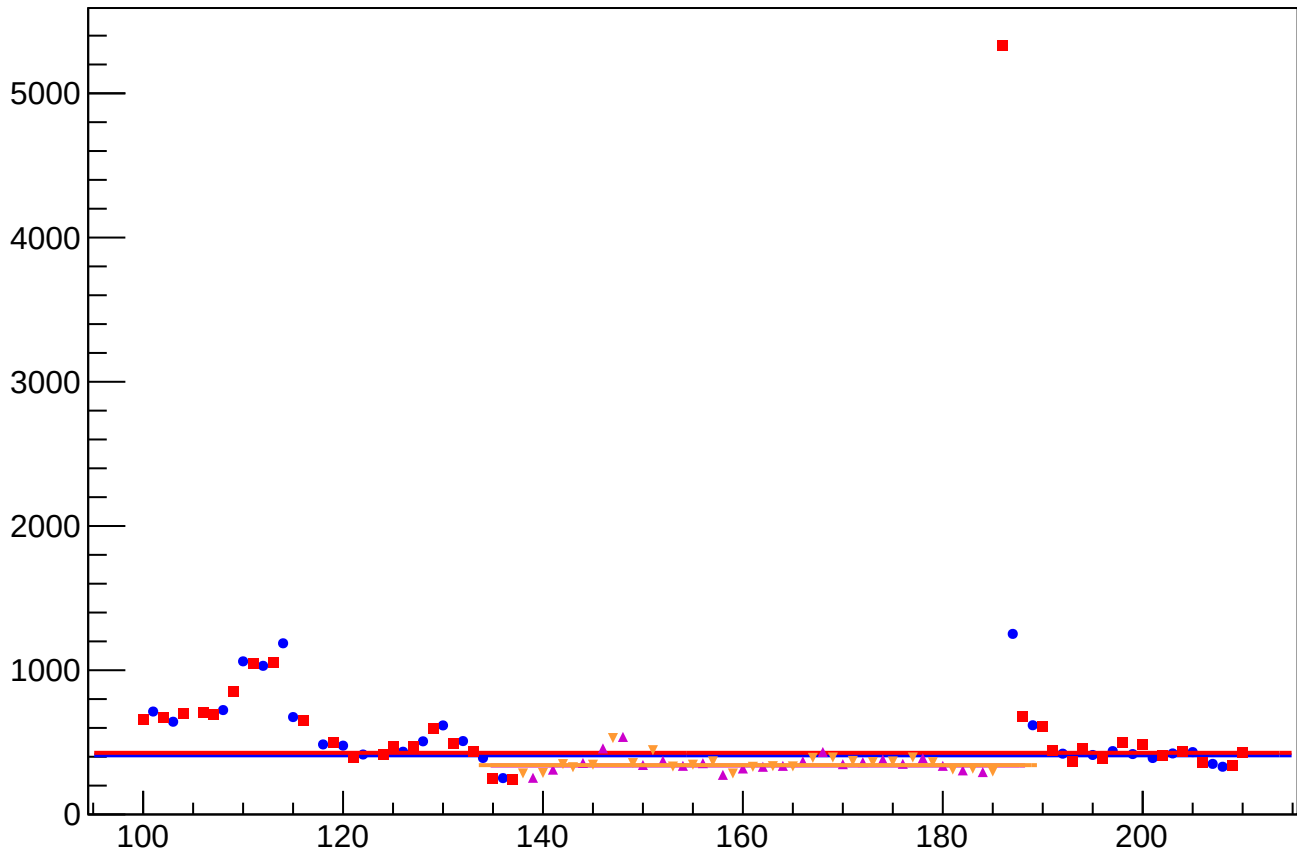
Left In: 16.519 $\pm$ 80.410 χ^2 /NDF: 34.9/22

+ sign -53.844 $\pm$ 63.600 χ^2 /NDF: 48.1/51

All: -11.389 $\pm$ 45.173 χ^2 /NDF: 112.0/107

- sign 31.835 $\pm$ 64.172 χ^2 /NDF: 63.0/55

asym_sam1_dit_correction_rms vs Slug



Right In: 409.953+/-0.077 χ^2/NDF : 2705951.7/26

Left Out: 341.918+/-0.056 χ^2/NDF : 653930.4/24

Right Out: 427.370+/-0.075 χ^2/NDF : 3619125.9/32

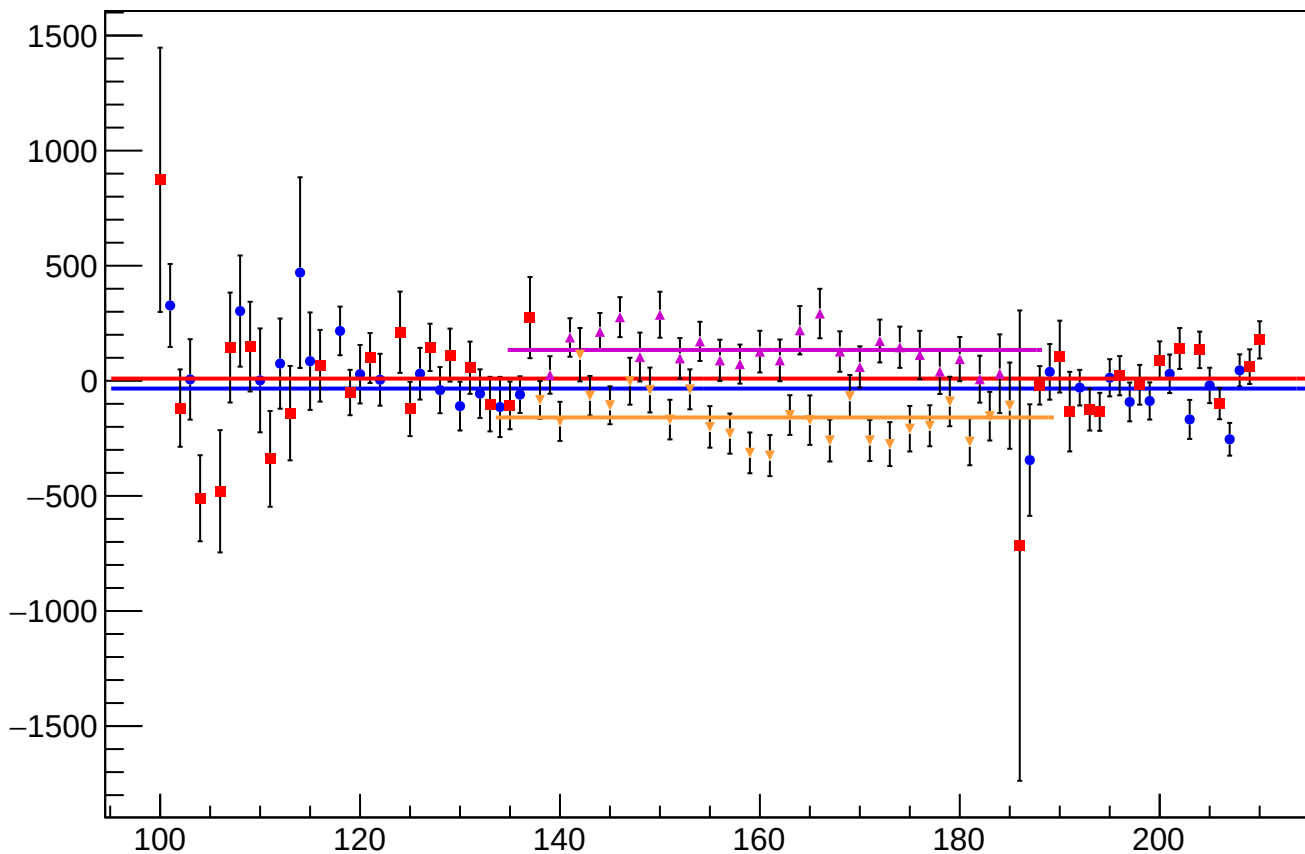
Left In: 339.430+/-0.057 χ^2/NDF : 846706.0/22

+ sign 365.387+/-0.045 χ^2/NDF : 3877040.8/51

All: 368.347+/-0.032 χ^2/NDF : 9220170.7/107

- sign 371.360+/-0.045 χ^2/NDF : 5334390.2/55

eigen_dit_asym_sam1_mean vs Slug



Right In: -33.664 ± 19.941 χ^2/NDF : 32.8/26

Left Out: -159.223 ± 18.749 χ^2/NDF : 28.2/24

Right Out: 9.609 ± 19.270 χ^2/NDF : 49.1/32

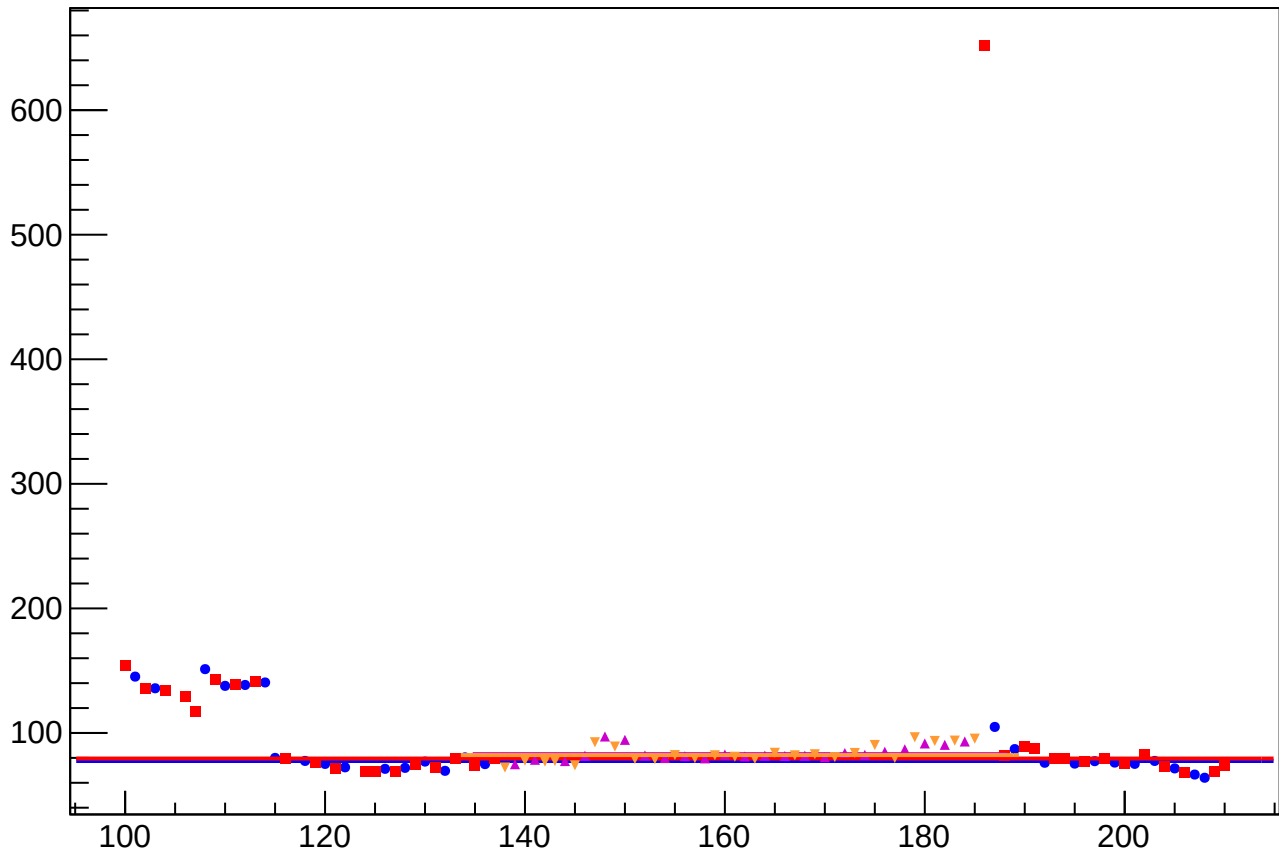
Left In: 134.010 ± 19.441 χ^2/NDF : 16.4/22

+ sign -100.306 ± 13.660 χ^2/NDF : 82.0/51

All: -14.689 ± 9.668 χ^2/NDF : 246.9/107

- sign 71.261 ± 13.686 χ^2/NDF : 86.2/55

eigen_dit_asym_sam1_rms vs Slug



Right In: 77.495+/-0.014 χ^2/NDF : 1283021.0/26

Left Out: 82.247+/-0.013 χ^2/NDF : 216548.5/24

Right Out: 79.466+/-0.014 χ^2/NDF : 1946453.9/32

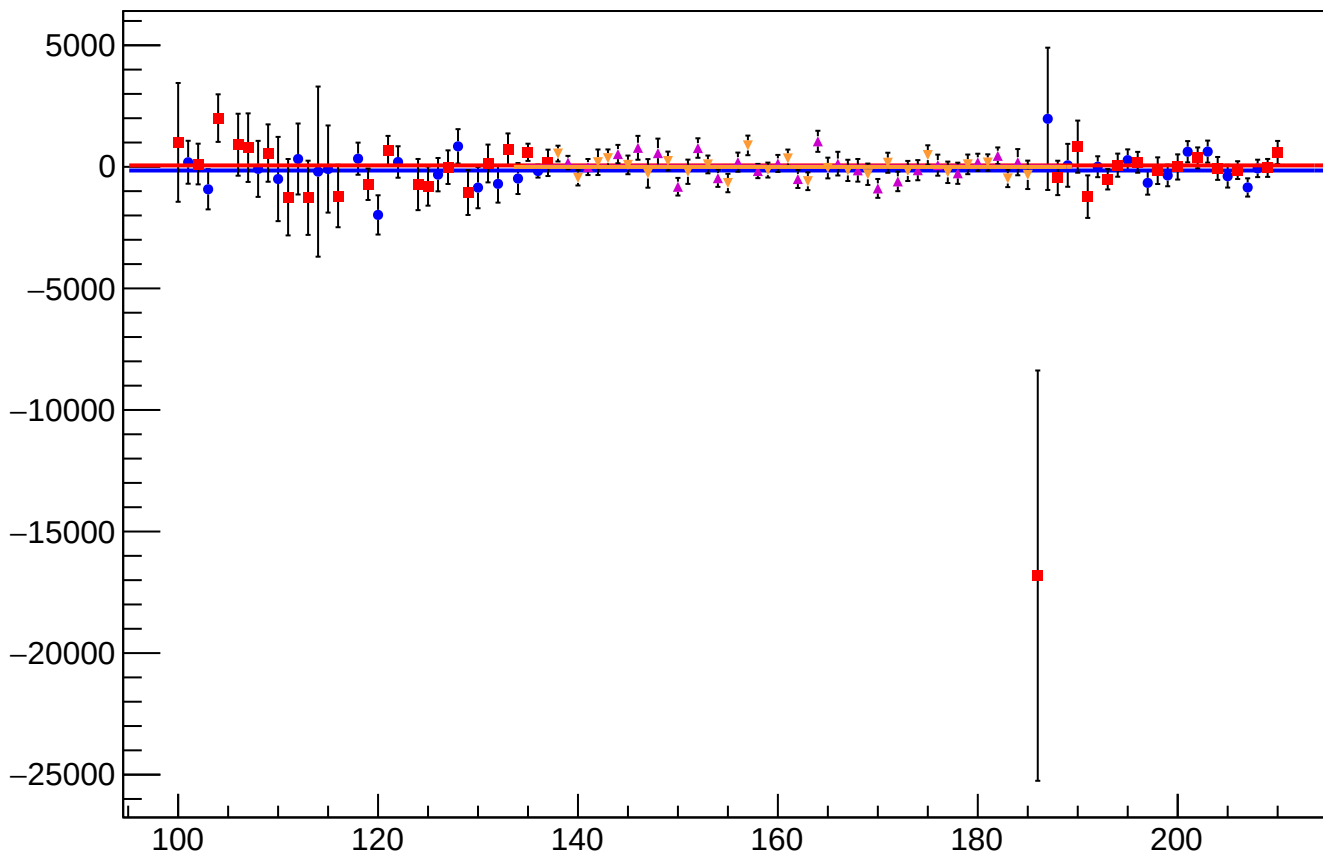
Left In: 82.993+/-0.014 χ^2/NDF : 145607.1/22

+ sign 80.017+/-0.010 χ^2/NDF : 1559854.0/51

All: 80.614+/-0.007 χ^2/NDF : 3692781.7/107

- sign 81.214+/-0.010 χ^2/NDF : 2125270.9/55

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -150.210 ± 108.285 χ^2/NDF : 23.4/26

Left Out: -3.094 ± 78.582 χ^2/NDF : 23.5/24

Right Out: 58.701 ± 106.498 χ^2/NDF : 28.0/32

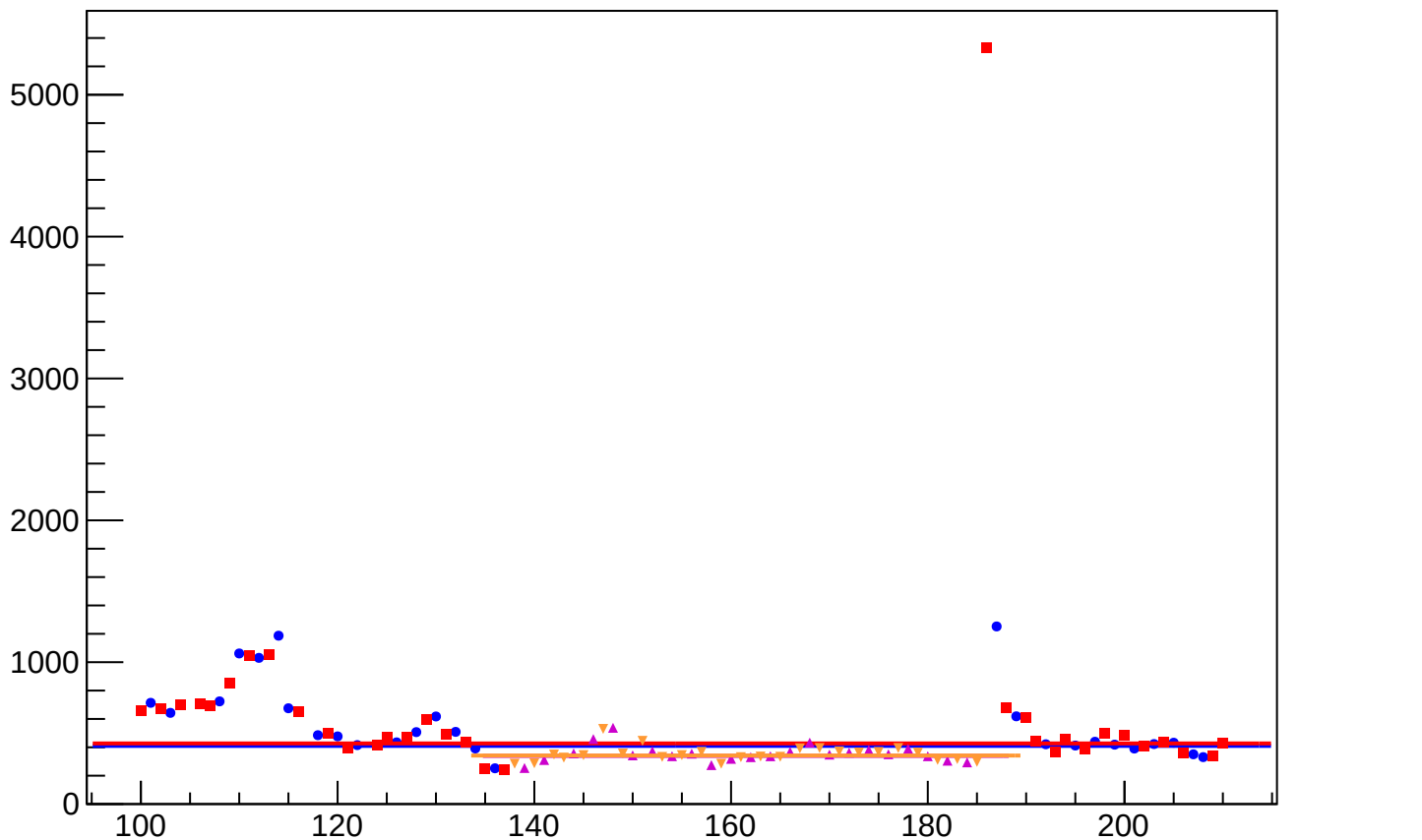
Left In: 16.519 ± 80.410 χ^2/NDF : 34.9/22

+ sign -53.844 ± 63.600 χ^2/NDF : 48.1/51

All: -11.388 ± 45.173 χ^2/NDF : 112.0/107

- sign 31.835 ± 64.172 χ^2/NDF : 63.0/55

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 409.952+/-0.077 χ^2/NDF : 2705957.0/26

Left Out: 341.918+/-0.056 χ^2/NDF :653932.3/24

Right Out: 427.369+/-0.075 χ^2/NDF : 3619133.2/32

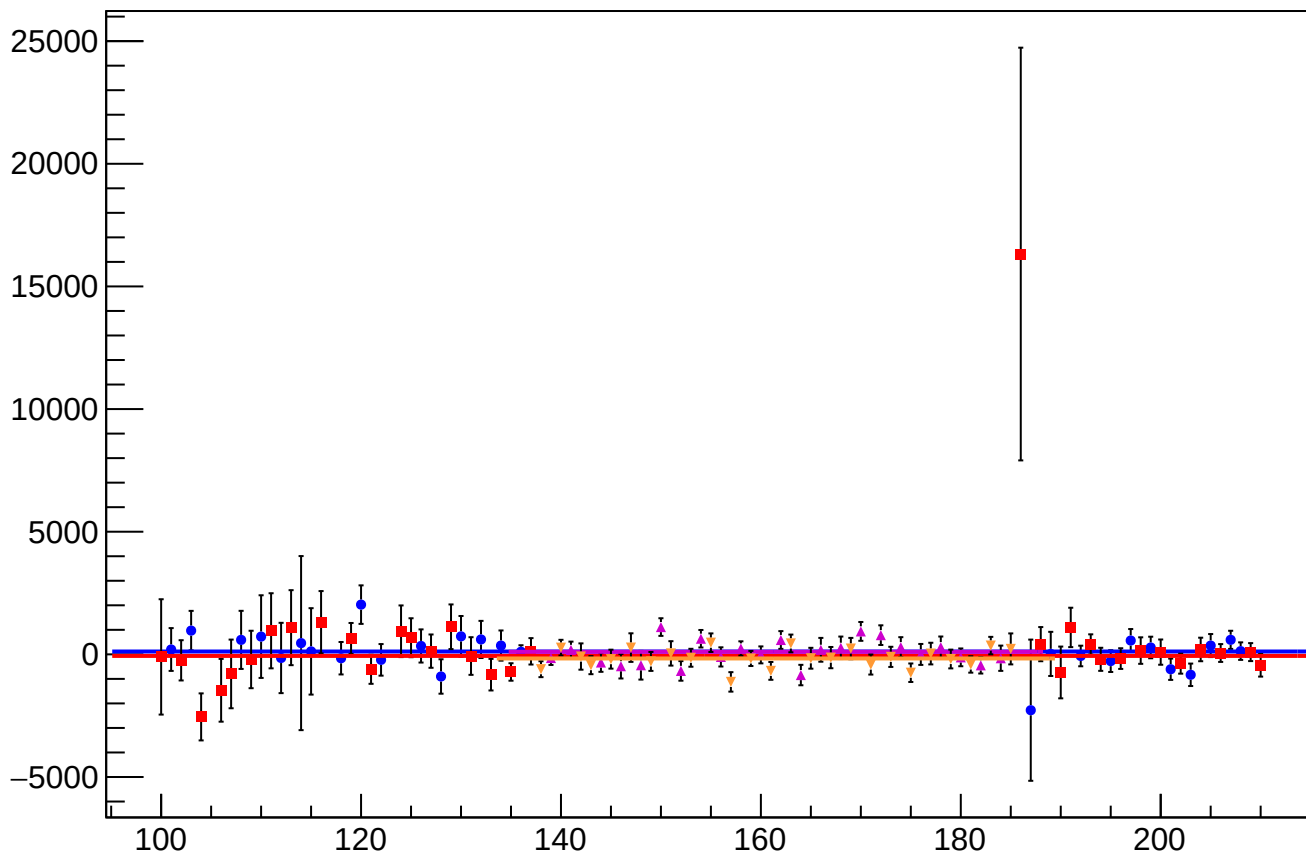
Left In: 339.430+/-0.057 χ^2/NDF :846709.1/22

+ sign 365.387+/-0.045 χ^2/NDF : 3877037.3/51

All: 368.346+/-0.032 χ^2/NDF : 9220162.0/107

- sign 371.359+/-0.045 χ^2/NDF : 5334385.2/55

asym_sam1_mean vs Slug



Right In: 116.280 $\pm$ 107.243 χ^2 /NDF: 22.9/26

Left Out: -167.380 $\pm$ 78.179 χ^2 /NDF: 25.6/24

Right Out: -63.486 $\pm$ 105.003 χ^2 /NDF: 31.4/32

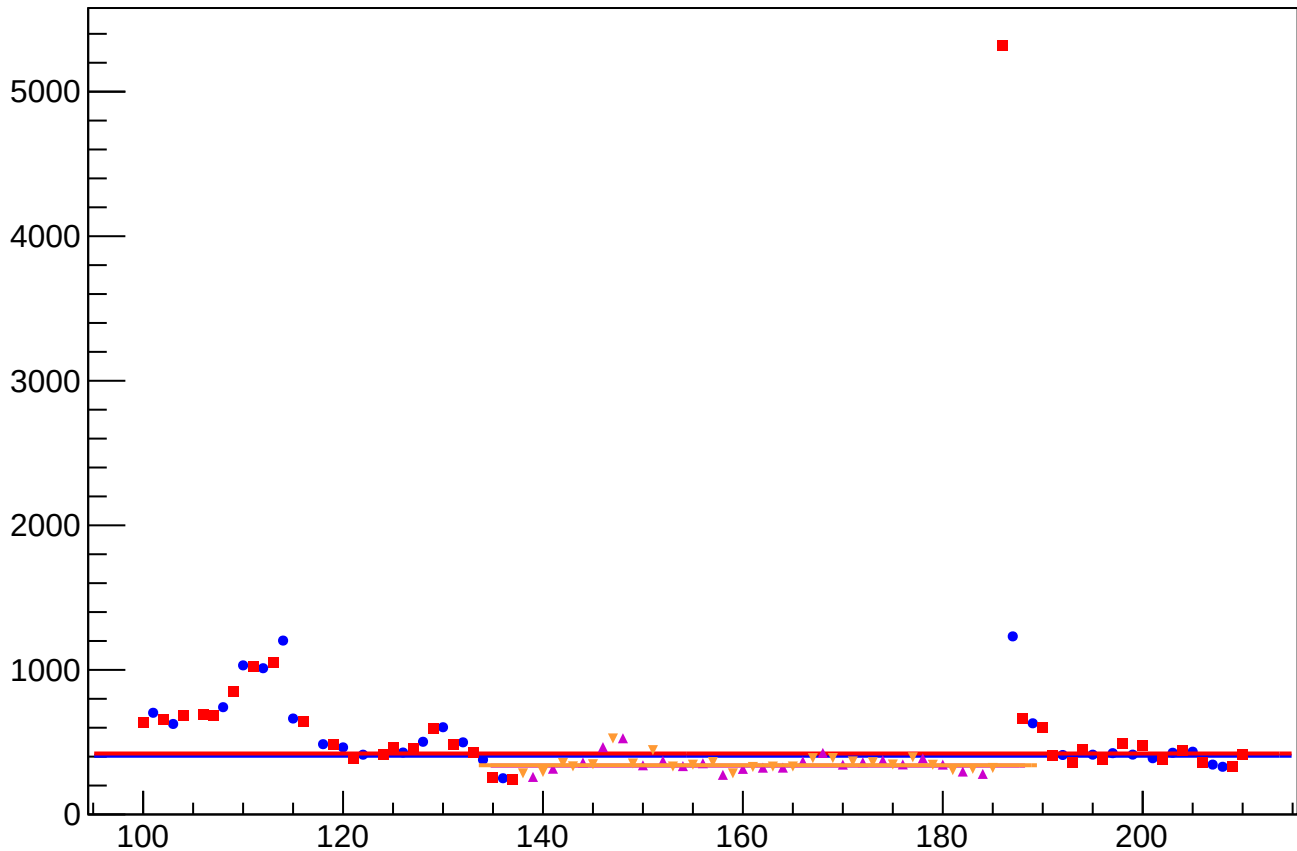
Left In: 104.016 $\pm$ 79.995 χ^2 /NDF: 37.5/22

+ sign -68.946 $\pm$ 63.175 χ^2 /NDF: 53.1/51

All: -13.625 $\pm$ 44.832 χ^2 /NDF: 125.1/107

- sign 42.501 $\pm$ 63.633 χ^2 /NDF: 70.5/55

asym_sam1_rms vs Slug



Right In: 406.100 $\pm$ 0.076 χ^2 /NDF: 2684590.2/26

Left Out: 340.391 $\pm$ 0.055 χ^2 /NDF: 604155.3/24

Right Out: 421.686 $\pm$ 0.074 χ^2 /NDF: 3565501.9/32

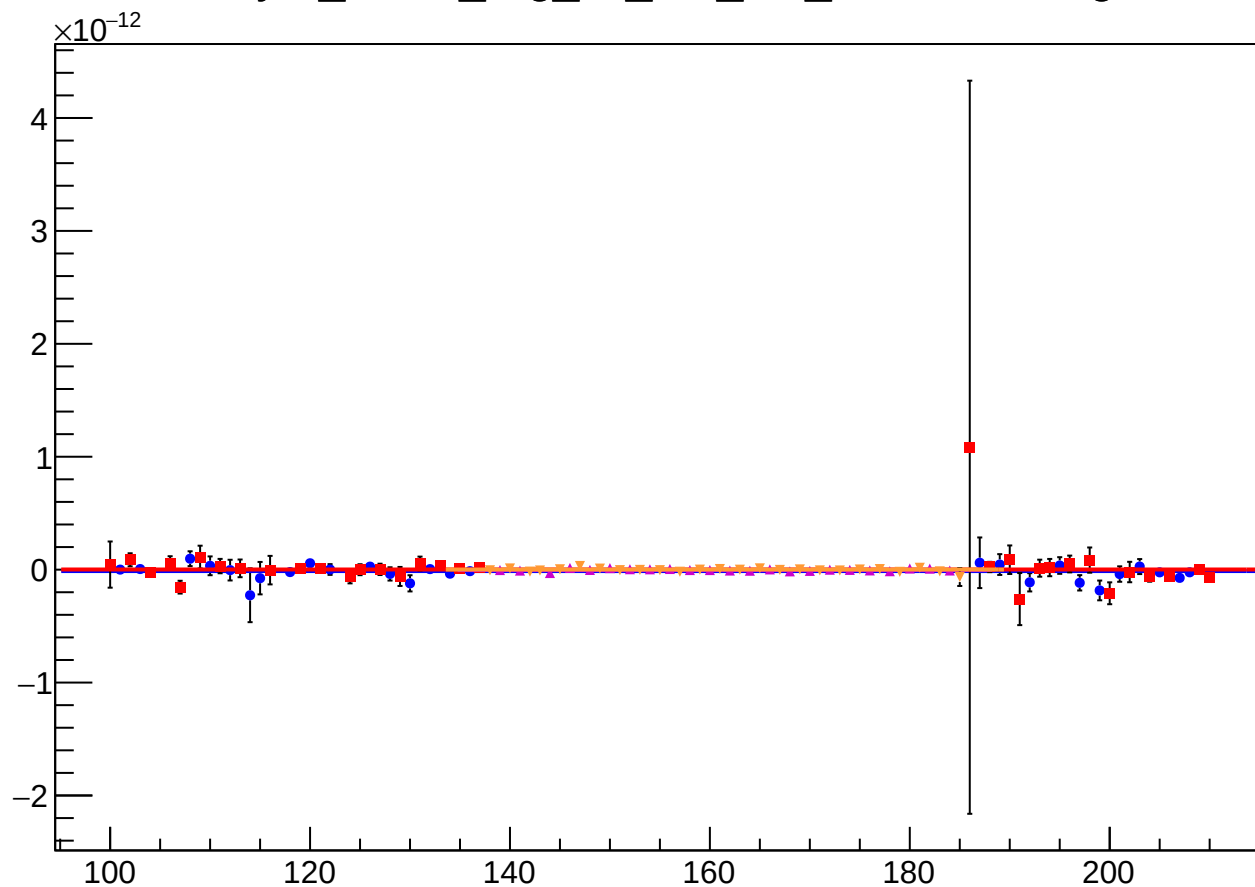
Left In: 337.759 $\pm$ 0.057 χ^2 /NDF: 820674.4/22

+ sign 363.193 $\pm$ 0.045 χ^2 /NDF: 3779024.0/51

All: 365.867 $\pm$ 0.032 χ^2 /NDF: 8980893.5/107

- sign 368.581 $\pm$ 0.045 χ^2 /NDF: 5194648.3/55

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 28.7/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 16.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 34.0/32

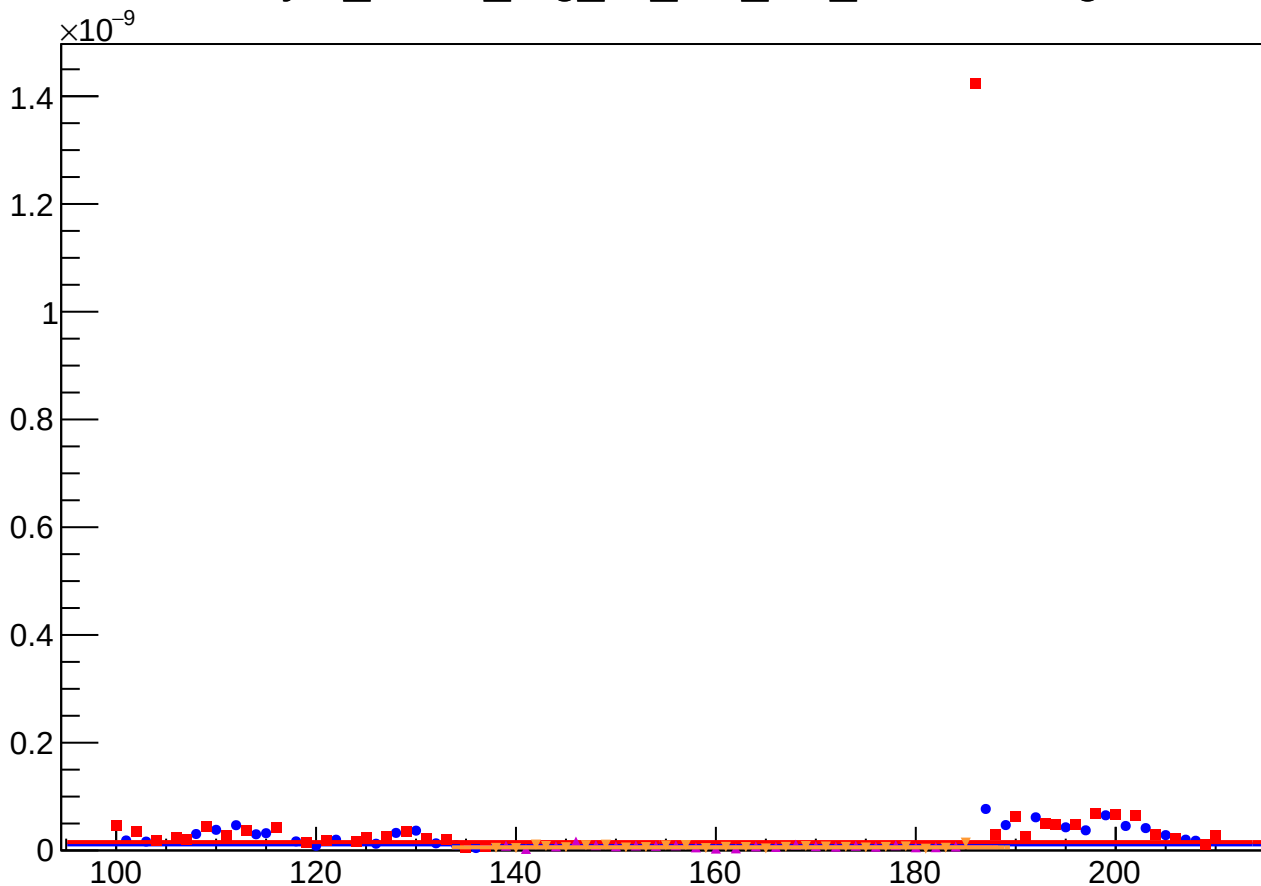
Left In: -0.000 ± 0.000 χ^2/NDF : 11.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 49.7/51

All: -0.000 ± 0.000 χ^2/NDF : 96.6/107

- sign -0.000 ± 0.000 χ^2/NDF : 46.4/55

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7347887.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7278405.7/32

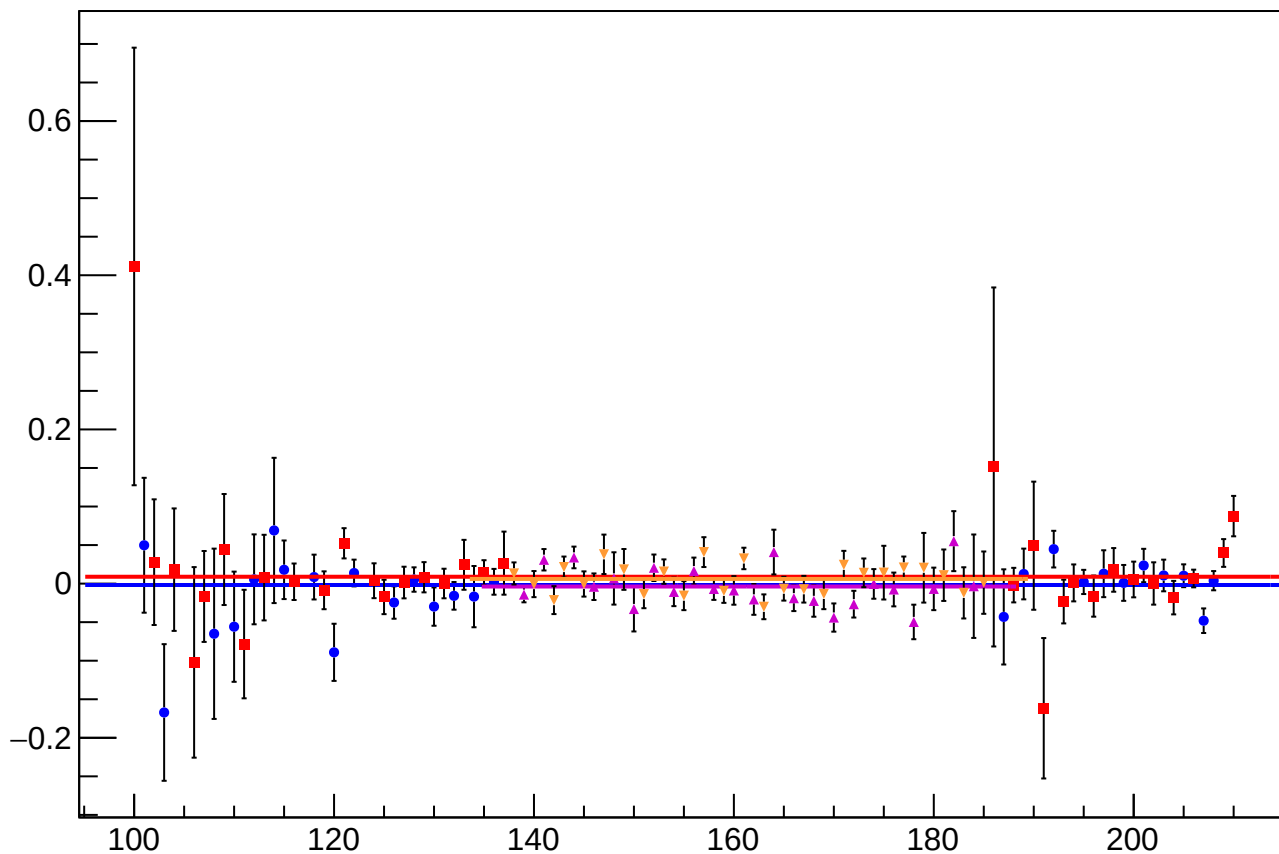
Left In: 0.000+/-0.000 χ^2/NDF : 1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 10029948.2/51

All: 0.000+/-0.000 χ^2/NDF : 22572507.7/107

- sign 0.000+/-0.000 χ^2/NDF : 12417100.8/55

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.004 χ^2/NDF : 31.3/26

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.009 ± 0.004 χ^2/NDF : 33.0/32

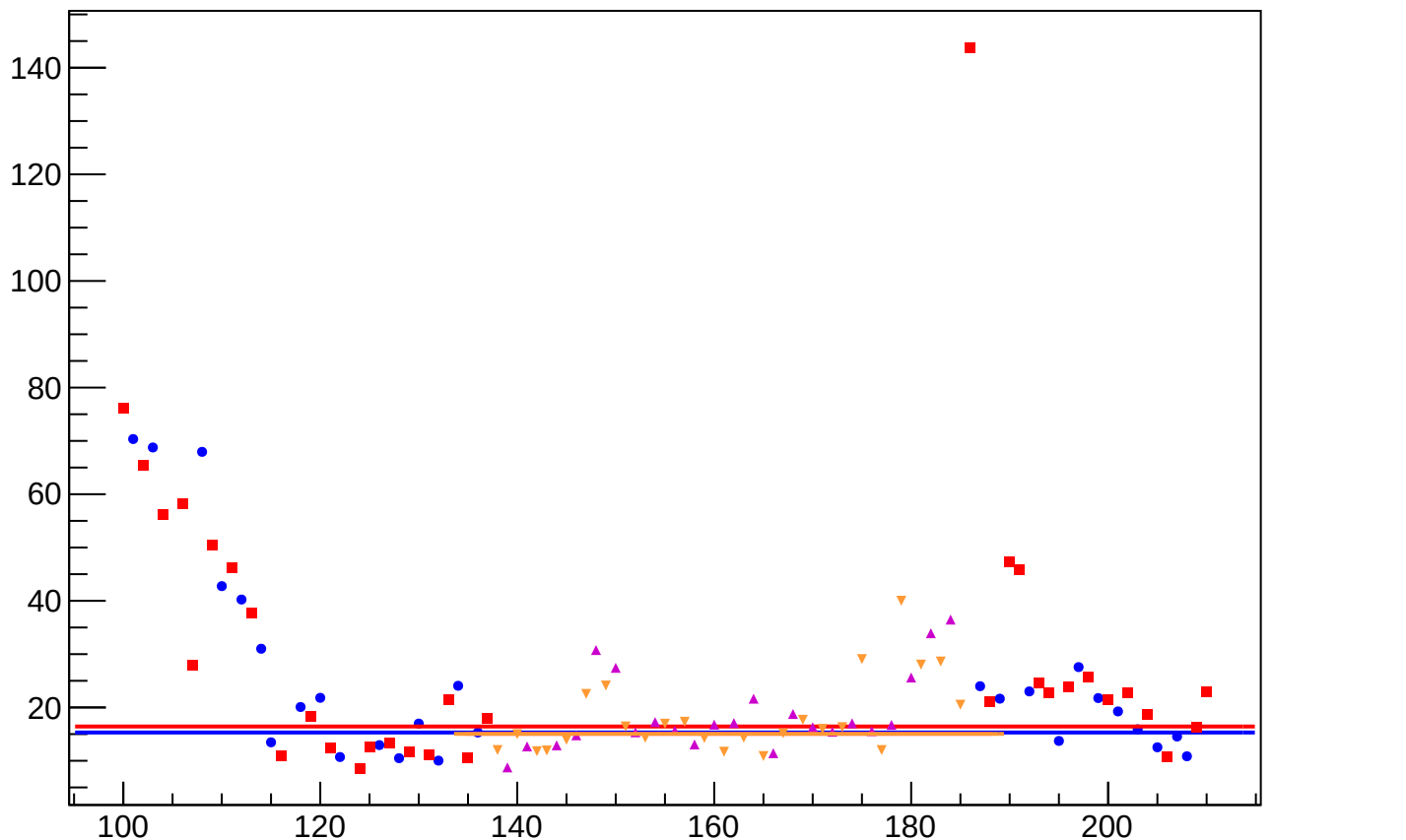
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.003 ± 0.003 χ^2/NDF : 59.9/51

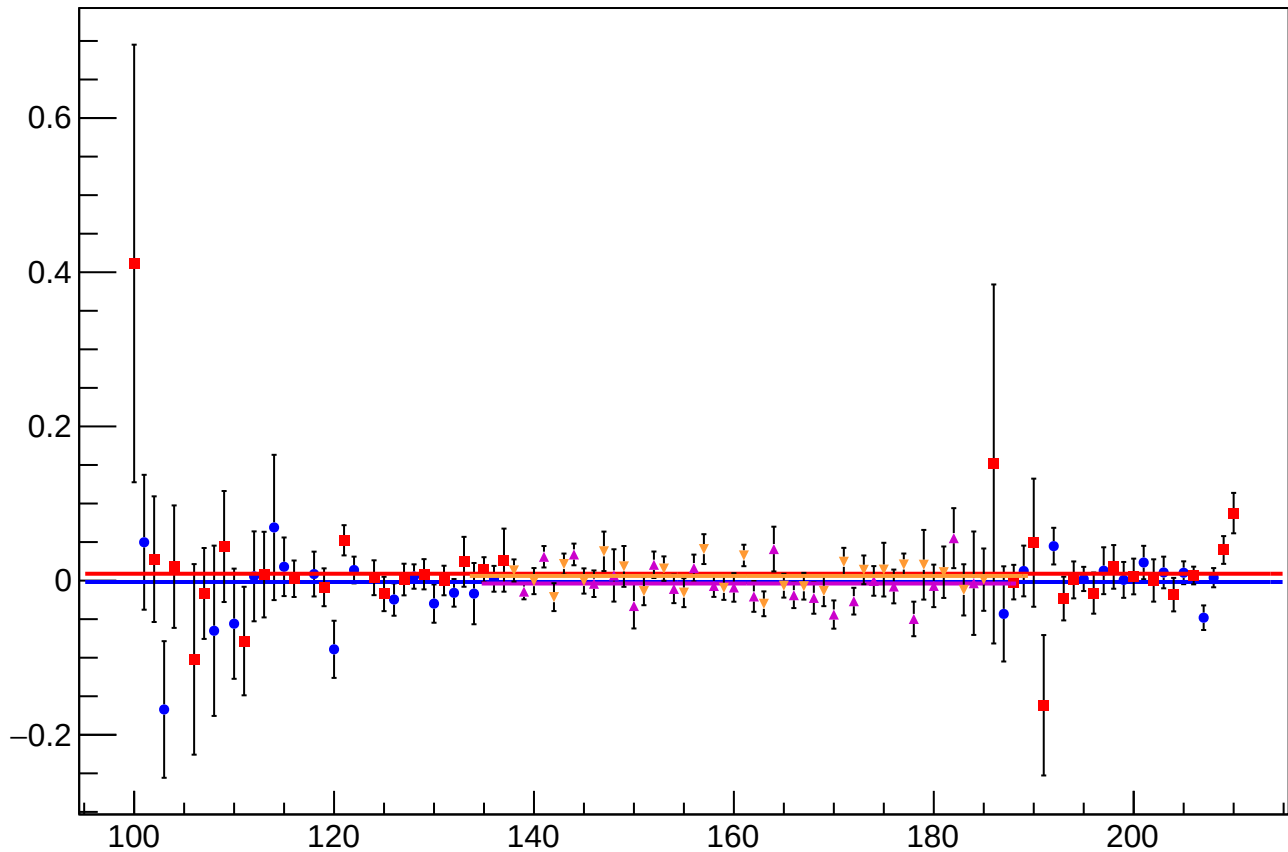
All: 0.002 ± 0.002 χ^2/NDF : 134.7/107

- sign 0.002 ± 0.003 χ^2/NDF : 74.8/55

asym_sam1_dit_vs_cor_diff_rms vs Slug



asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.004 χ^2/NDF : 31.3/26

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.009 ± 0.004 χ^2/NDF : 33.0/32

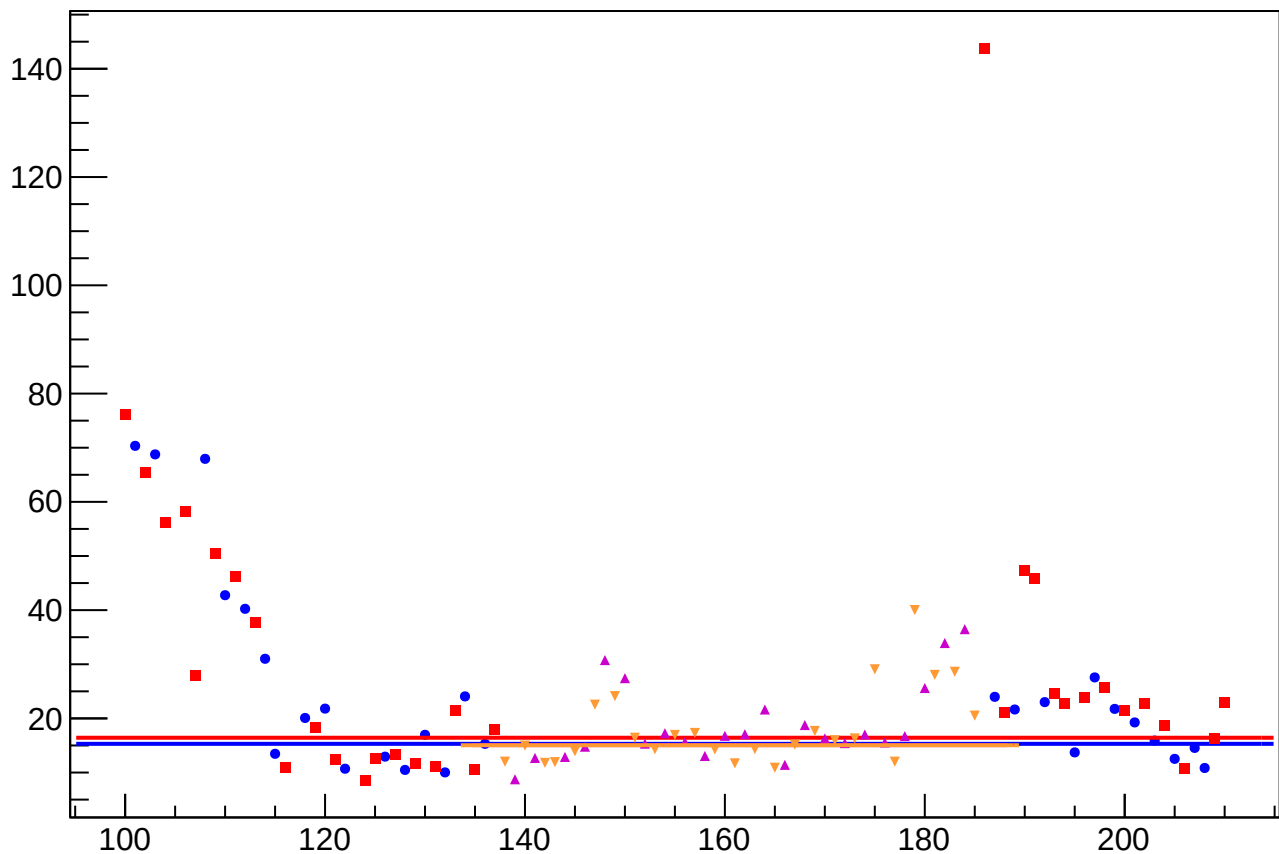
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.003 ± 0.003 χ^2/NDF : 59.9/51

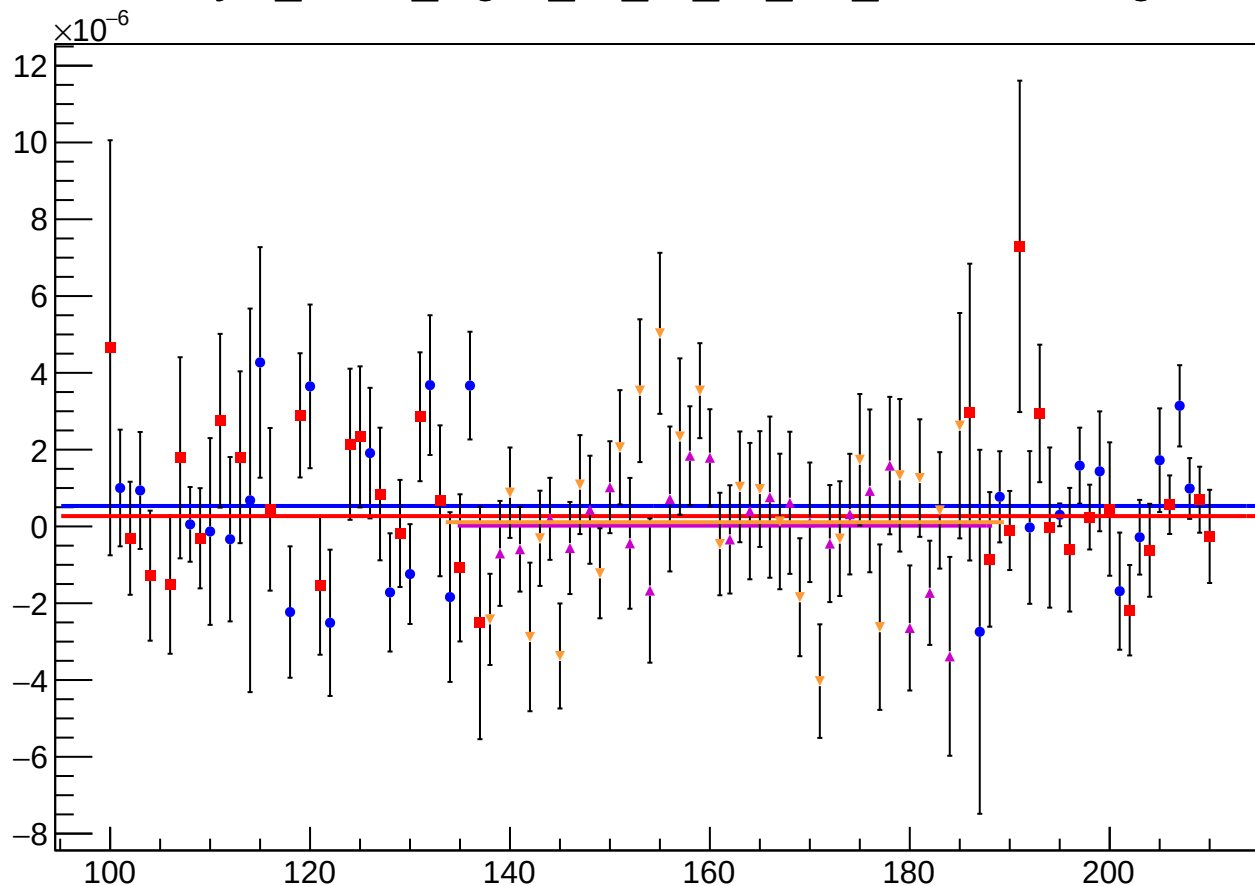
All: 0.002 ± 0.002 χ^2/NDF : 134.7/107

- sign 0.002 ± 0.003 χ^2/NDF : 74.8/55

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.0/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:50.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.3/32

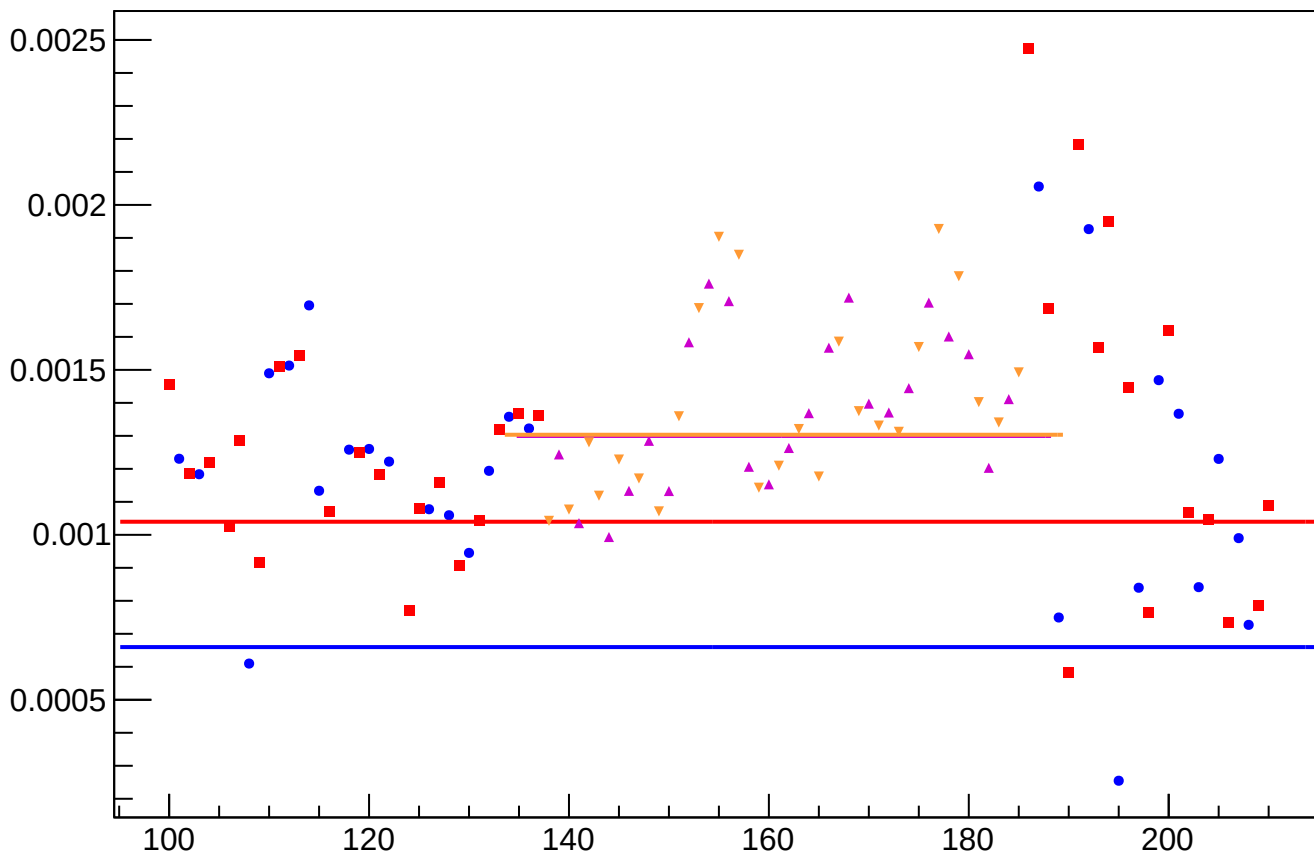
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 87.3/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 128.9/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.8/55

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9373212.5/26

Left Out: 0.001+/-0.000 χ^2/NDF : 1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 3206912.6/32

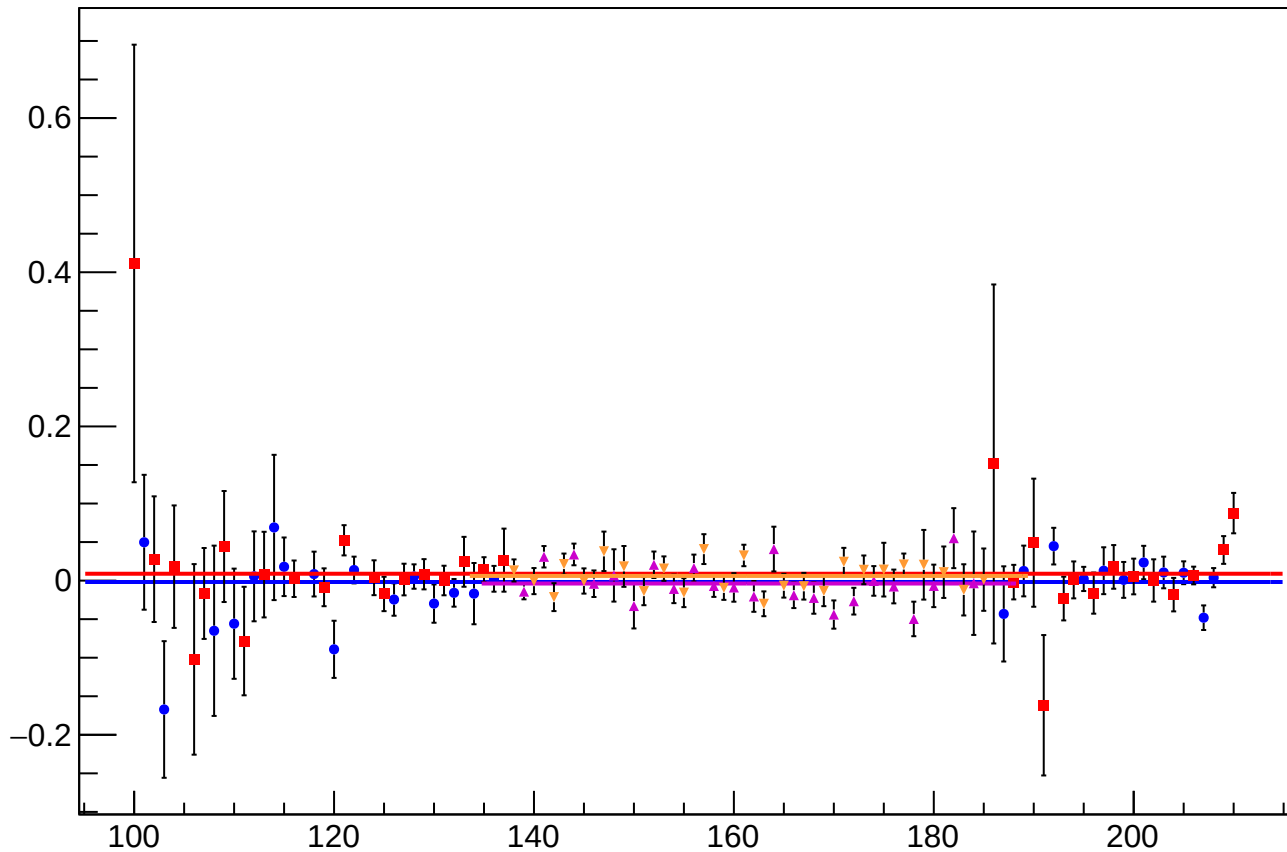
Left In: 0.001+/-0.000 χ^2/NDF : 1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF : 16806327.6/51

All: 0.001+/-0.000 χ^2/NDF : 24263001.5/107

- sign 0.001+/-0.000 χ^2/NDF : 5060983.1/55

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.004 χ^2/NDF : 31.3/26

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.009 ± 0.004 χ^2/NDF : 33.0/32

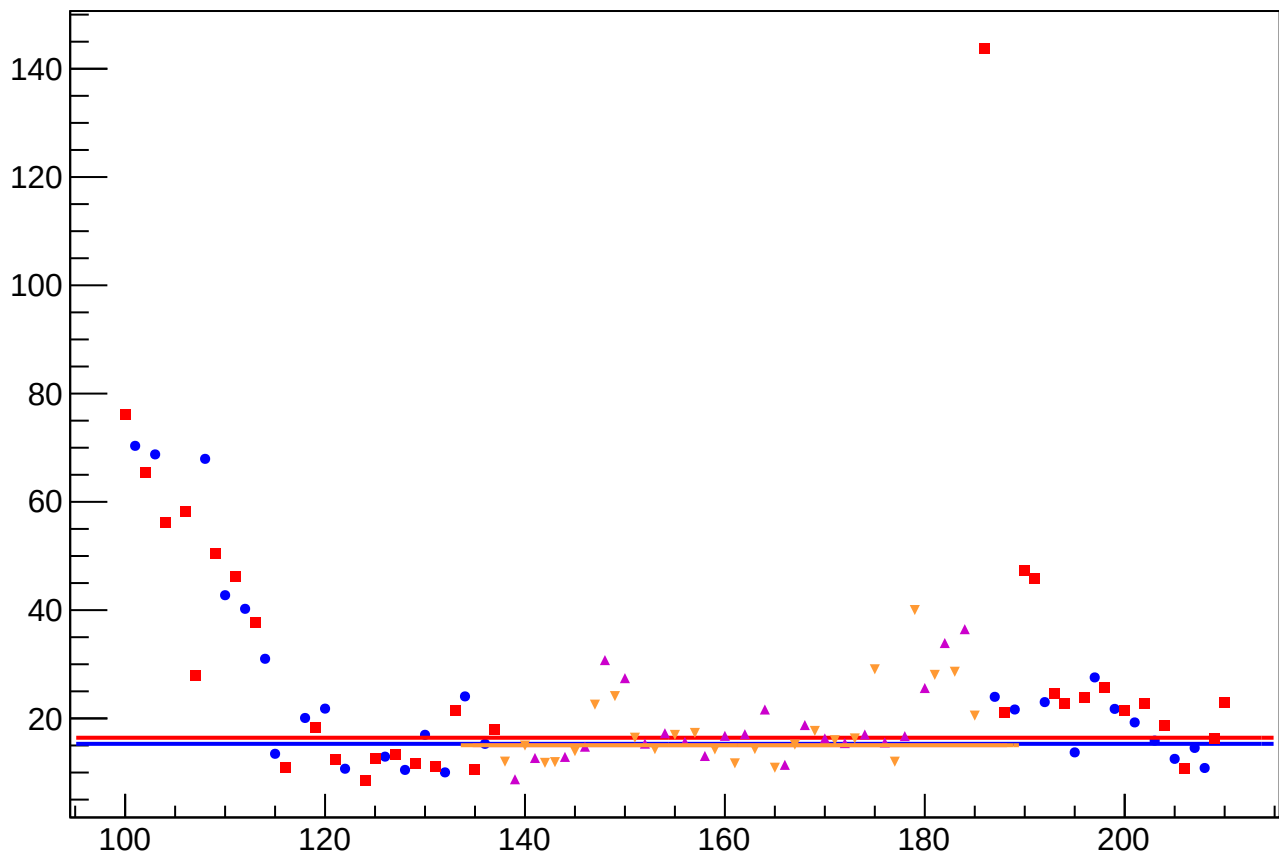
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.003 ± 0.003 χ^2/NDF : 59.9/51

All: 0.002 ± 0.002 χ^2/NDF : 134.7/107

- sign 0.002 ± 0.003 χ^2/NDF : 74.8/55

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.302 $\pm$ 0.003 χ^2/NDF : 4664535.8/26

Left Out: 15.046 $\pm$ 0.003 χ^2/NDF : 2758285.3/24

Right Out: 16.428 $\pm$ 0.003 χ^2/NDF : 6546273.9/32

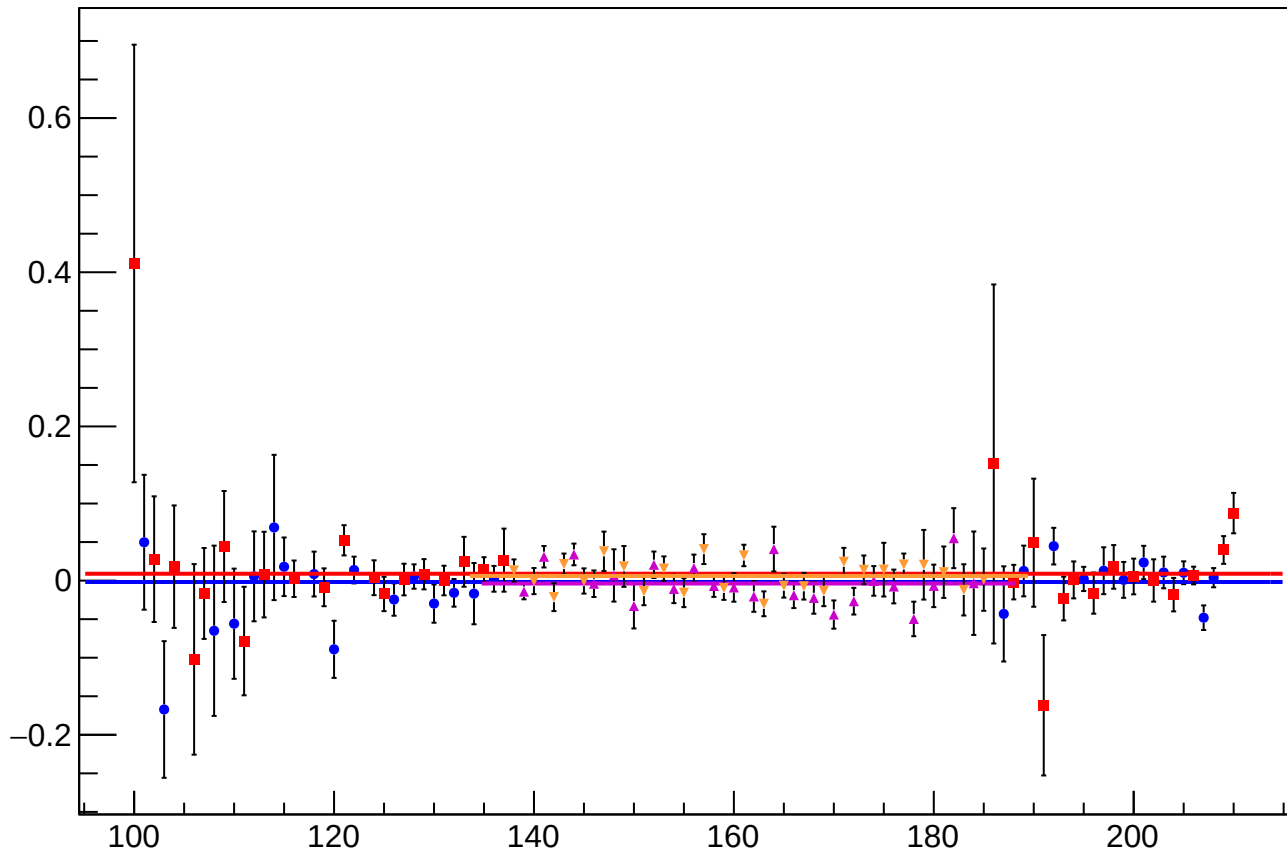
Left In: 15.067 $\pm$ 0.003 χ^2/NDF : 3066635.3/22

+ sign 15.151 $\pm$ 0.002 χ^2/NDF : 7426789.4/51

All: 15.390 $\pm$ 0.001 χ^2/NDF : 17175754.5/107

- sign 15.643 $\pm$ 0.002 χ^2/NDF : 9719541.1/55

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.004 χ^2/NDF : 31.3/26

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.009 ± 0.004 χ^2/NDF : 33.0/32

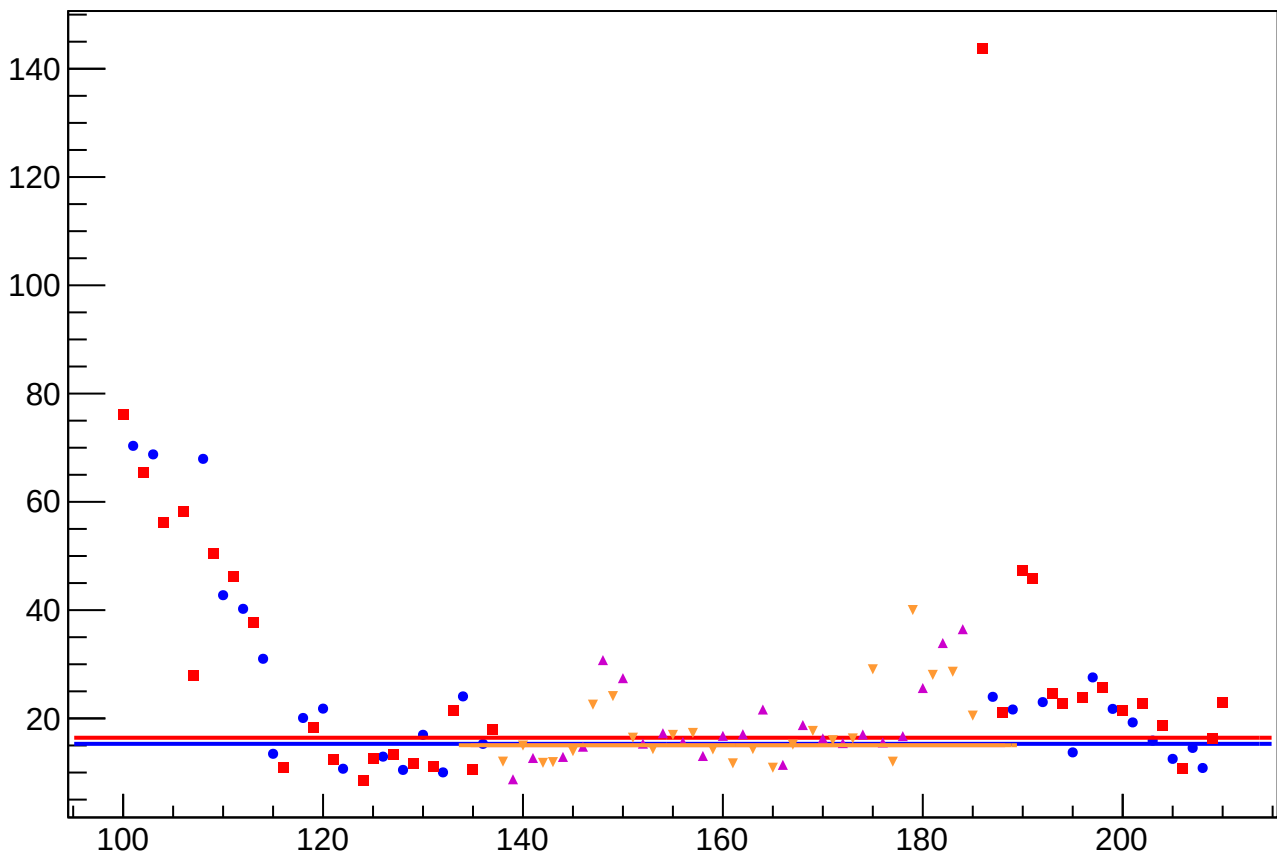
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.003 ± 0.003 χ^2/NDF : 59.9/51

All: 0.002 ± 0.002 χ^2/NDF : 134.7/107

- sign 0.002 ± 0.003 χ^2/NDF : 74.8/55

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.302 $\pm$ 0.003 χ^2 /NDF: 4664535.8/26

Left Out: 15.046 $\pm$ 0.003 χ^2 /NDF: 2758285.3/24

Right Out: 16.428 $\pm$ 0.003 χ^2 /NDF: 6546273.9/32

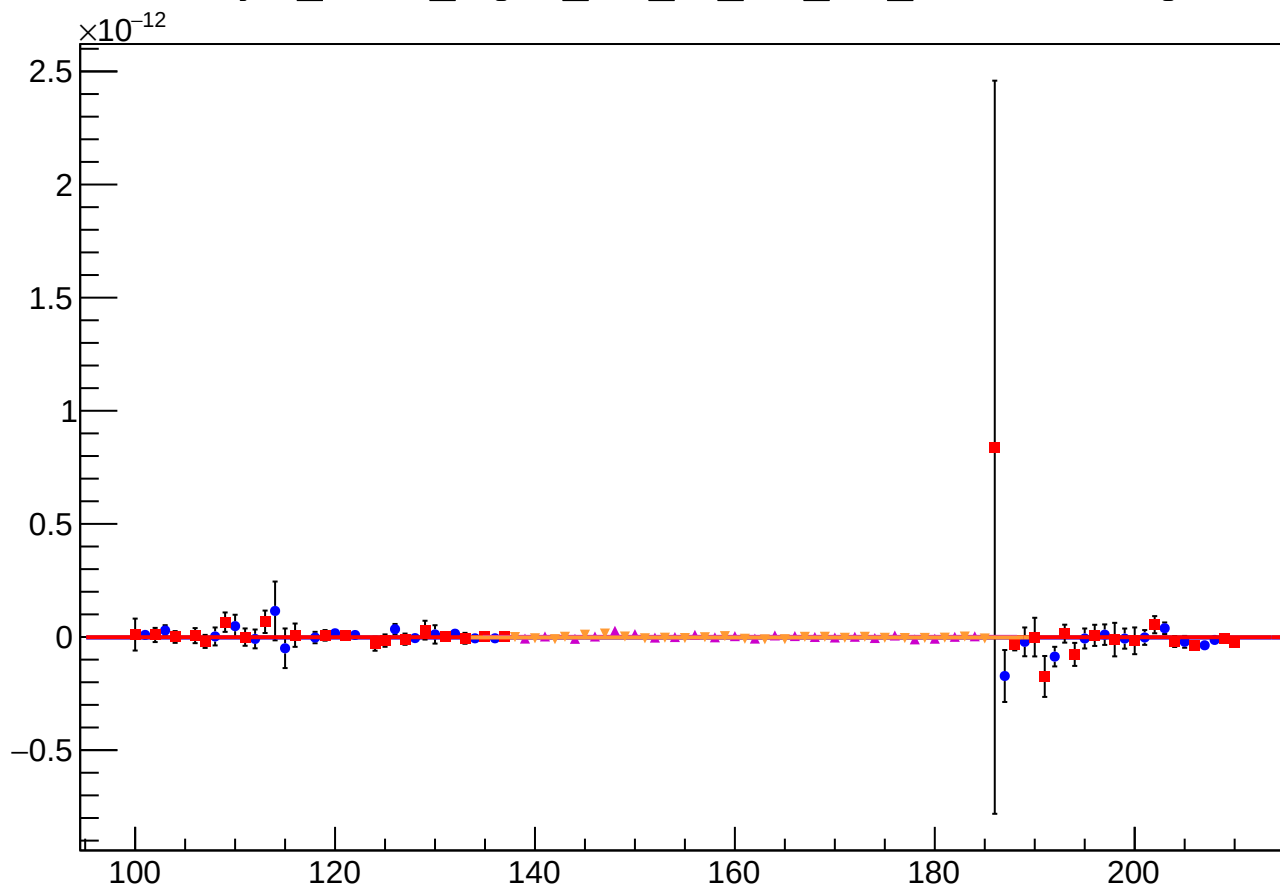
Left In: 15.067 $\pm$ 0.003 χ^2 /NDF: 3066635.3/22

+ sign 15.151 $\pm$ 0.002 χ^2 /NDF: 7426789.4/51

All: 15.390 $\pm$ 0.001 χ^2 /NDF: 17175754.5/107

- sign 15.643 $\pm$ 0.002 χ^2 /NDF: 9719541.1/55

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 22.9/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 15.2/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.7/32

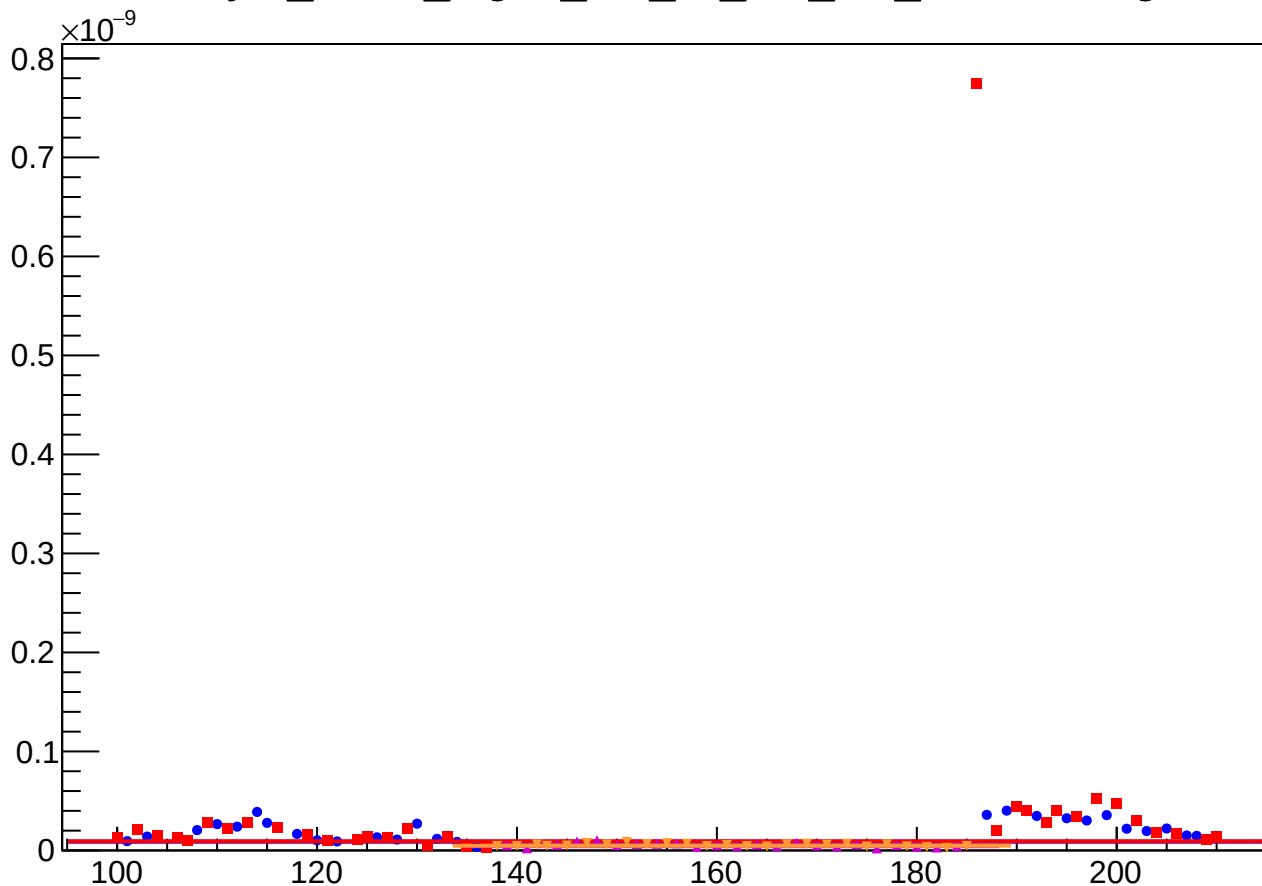
Left In: 0.000 ± 0.000 χ^2/NDF : 21.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 38.1/51

All: -0.000 ± 0.000 χ^2/NDF : 85.0/107

- sign 0.000 ± 0.000 χ^2/NDF : 45.2/55

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8794780.8/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11060418.3/32

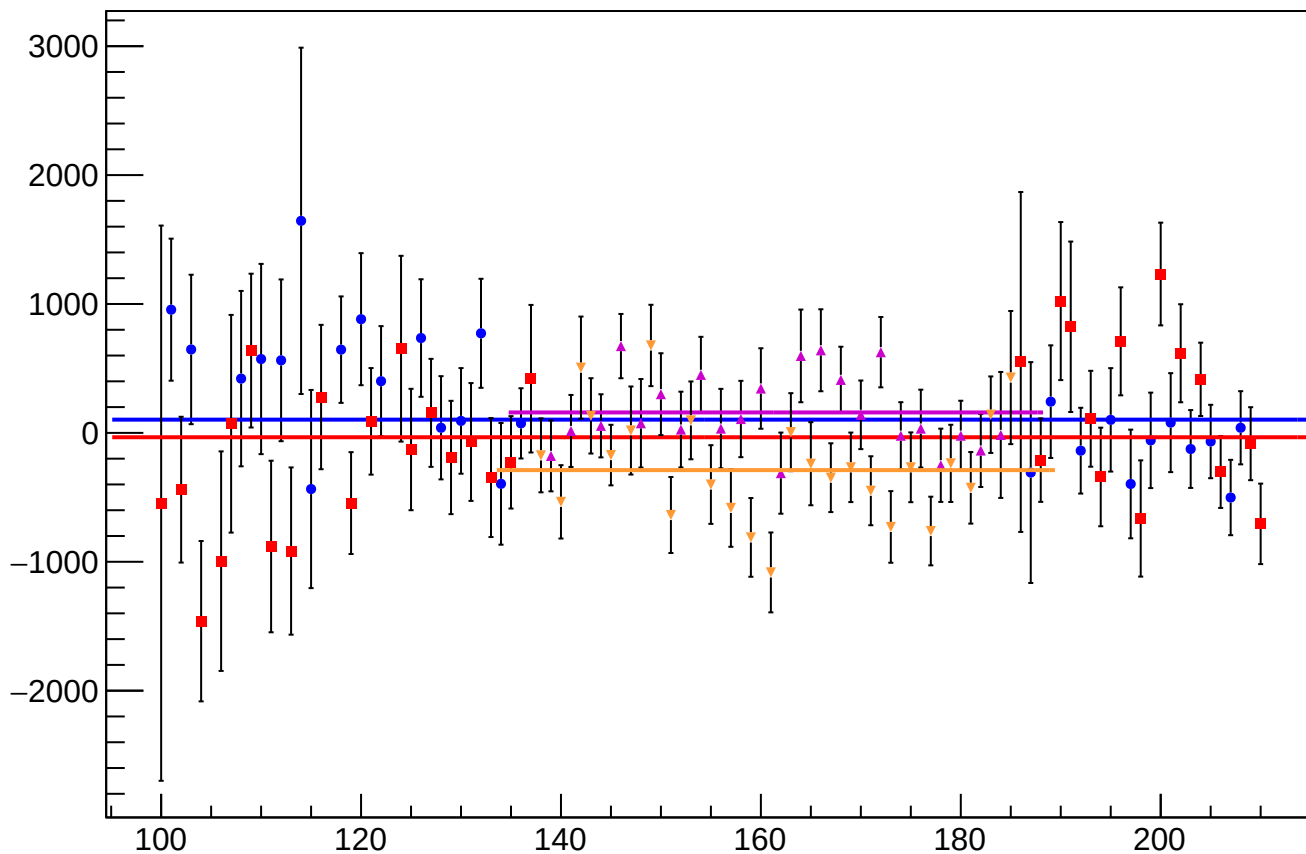
Left In: 0.000+/-0.000 χ^2/NDF : 3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 13309269.8/51

All: 0.000+/-0.000 χ^2/NDF : 31496882.0/107

- sign 0.000+/-0.000 χ^2/NDF : 18074646.1/55

reg_asym_sam2_mean vs Slug



Right In: 102.759 ± 79.120 χ^2/NDF : 24.1/26

Left Out: -288.924 ± 59.035 χ^2/NDF : 42.4/24

Right Out: -33.851 ± 76.672 χ^2/NDF : 48.8/32

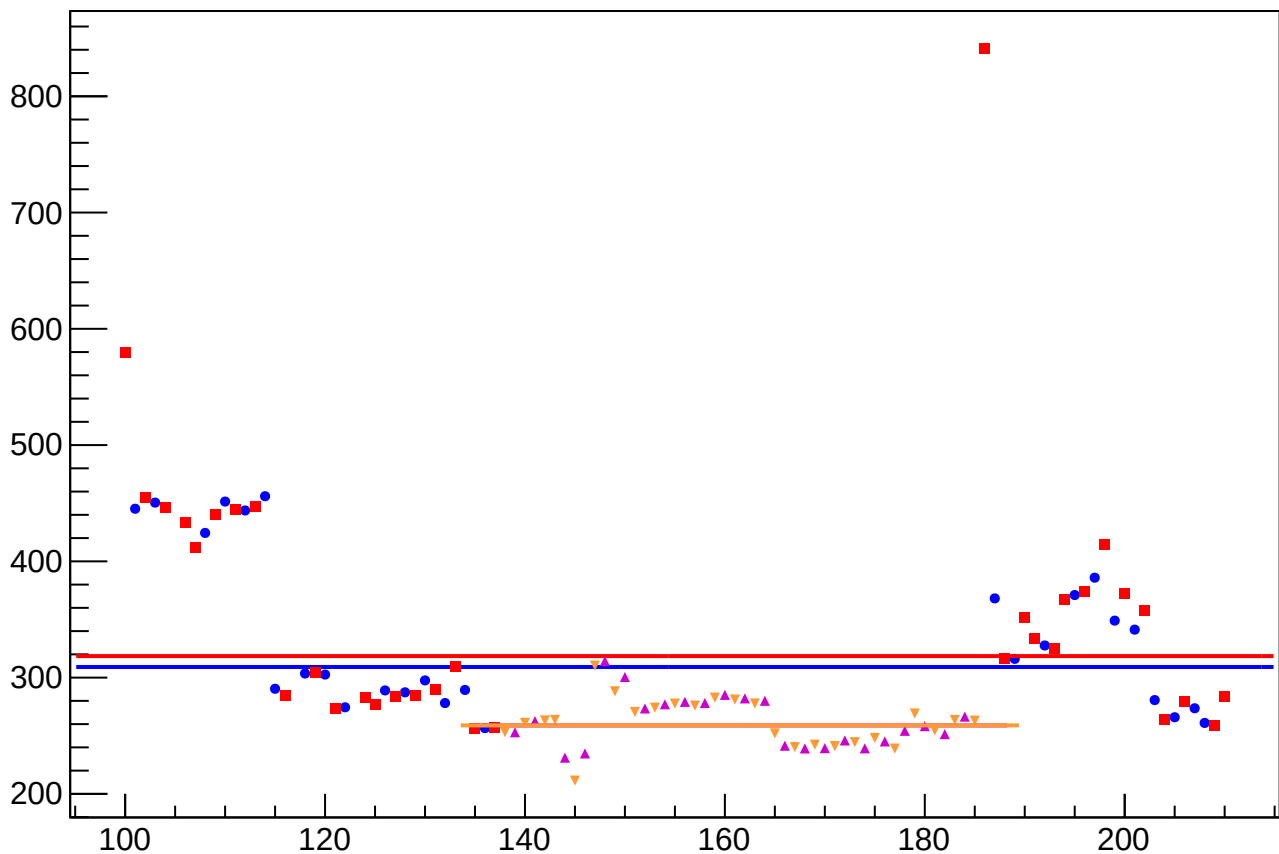
Left In: 158.601 ± 60.708 χ^2/NDF : 22.5/22

+ sign -148.846 ± 47.315 χ^2/NDF : 82.2/51

All: -32.890 ± 33.555 χ^2/NDF : 169.5/107

- sign 84.441 ± 47.595 χ^2/NDF : 75.2/55

reg_asym_sam2_rms vs Slug



Right In: 309.152 $\pm$ 0.056 χ^2 /NDF: 922232.0/26

Left Out: 258.912 $\pm$ 0.042 χ^2 /NDF: 248740.9/24

Right Out: 318.497 $\pm$ 0.054 χ^2 /NDF: 1461750.1/32

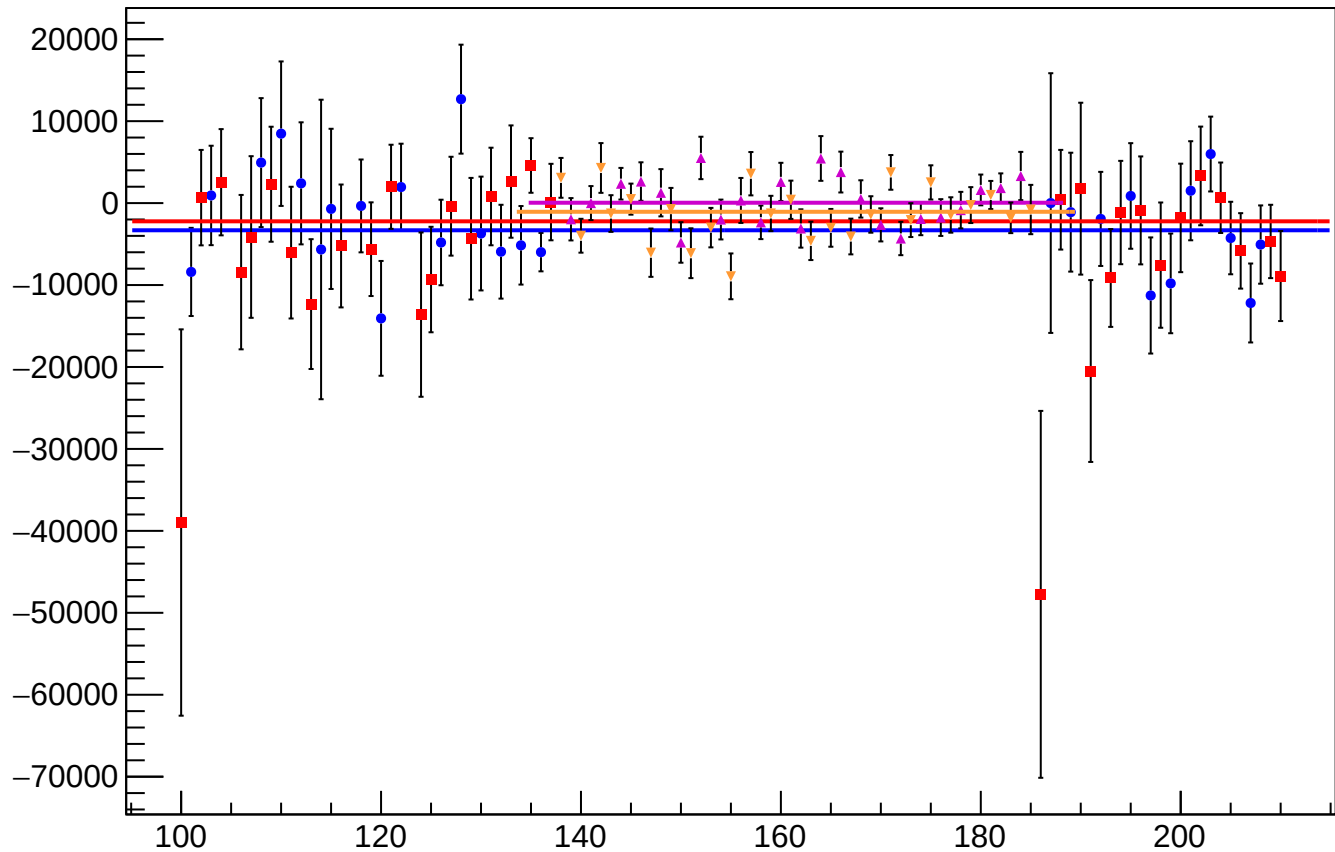
Left In: 258.843 $\pm$ 0.043 χ^2 /NDF: 244953.3/22

+ sign 276.879 $\pm$ 0.033 χ^2 /NDF: 1688995.9/51

All: 279.340 $\pm$ 0.024 χ^2 /NDF: 4150756.7/107

- sign 281.830 $\pm$ 0.034 χ^2 /NDF: 2450876.7/55

asym_sam2_reg_correction_mean vs Slug



Right In: -3316.922 ± 1064.025 χ^2/NDF : 27.5/26

Left Out: -1059.229 ± 454.653 χ^2/NDF : 41.5/24

Right Out: -2224.006 ± 1081.861 χ^2/NDF : 27.8/32

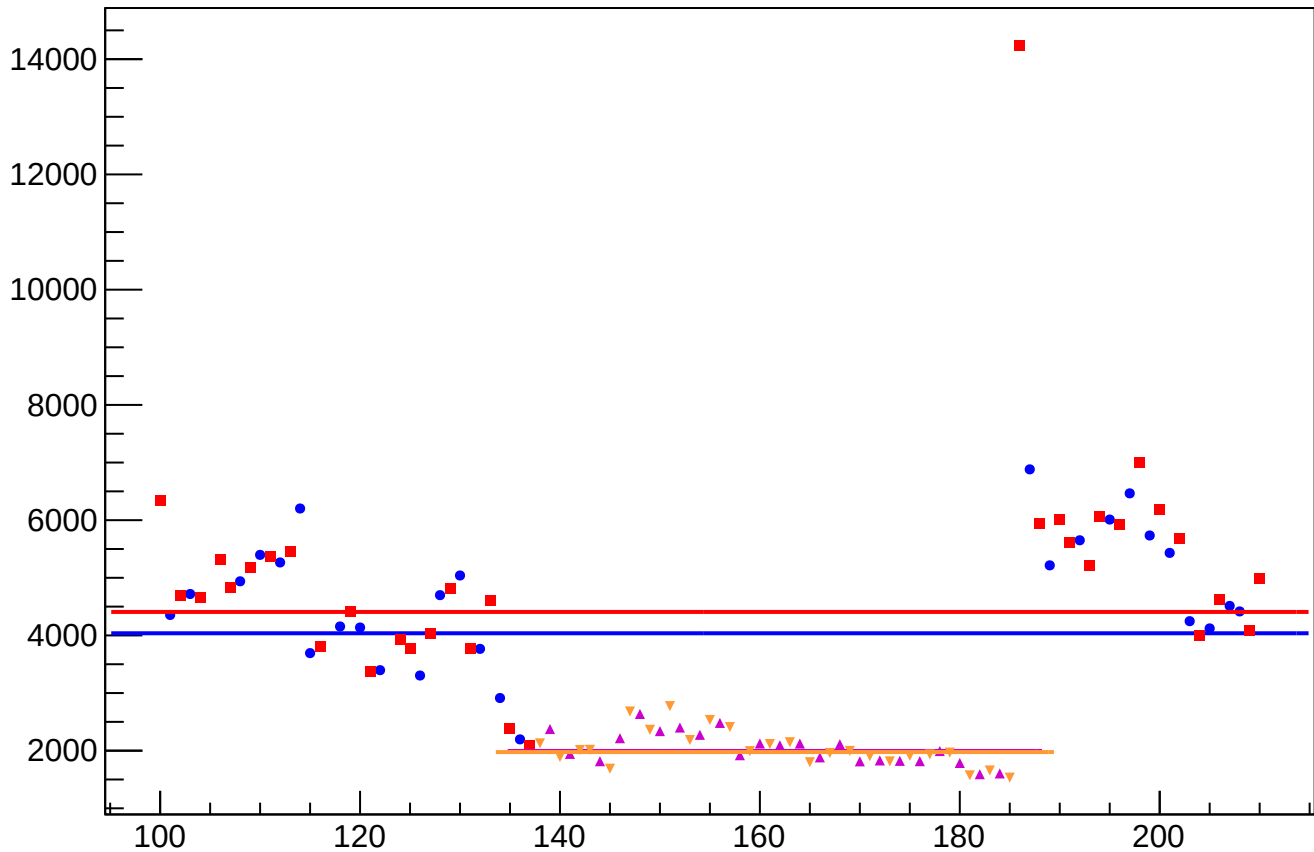
Left In: 44.352 ± 470.700 χ^2/NDF : 34.2/22

+ sign -1407.798 ± 418.085 χ^2/NDF : 72.8/51

All: -879.621 ± 300.301 χ^2/NDF : 141.7/107

- sign -316.698 ± 431.618 χ^2/NDF : 65.7/55

asym_sam2_reg_correction_rms vs Slug



Right In: 4037.462 $\pm$ 0.752 χ^2 /NDF: 2667644.4/26

Left Out: 1975.967 $\pm$ 0.321 χ^2 /NDF: 763327.6/24

+ sign 2294.245 $\pm$ 0.296 χ^2 /NDF: 9779304.6/51

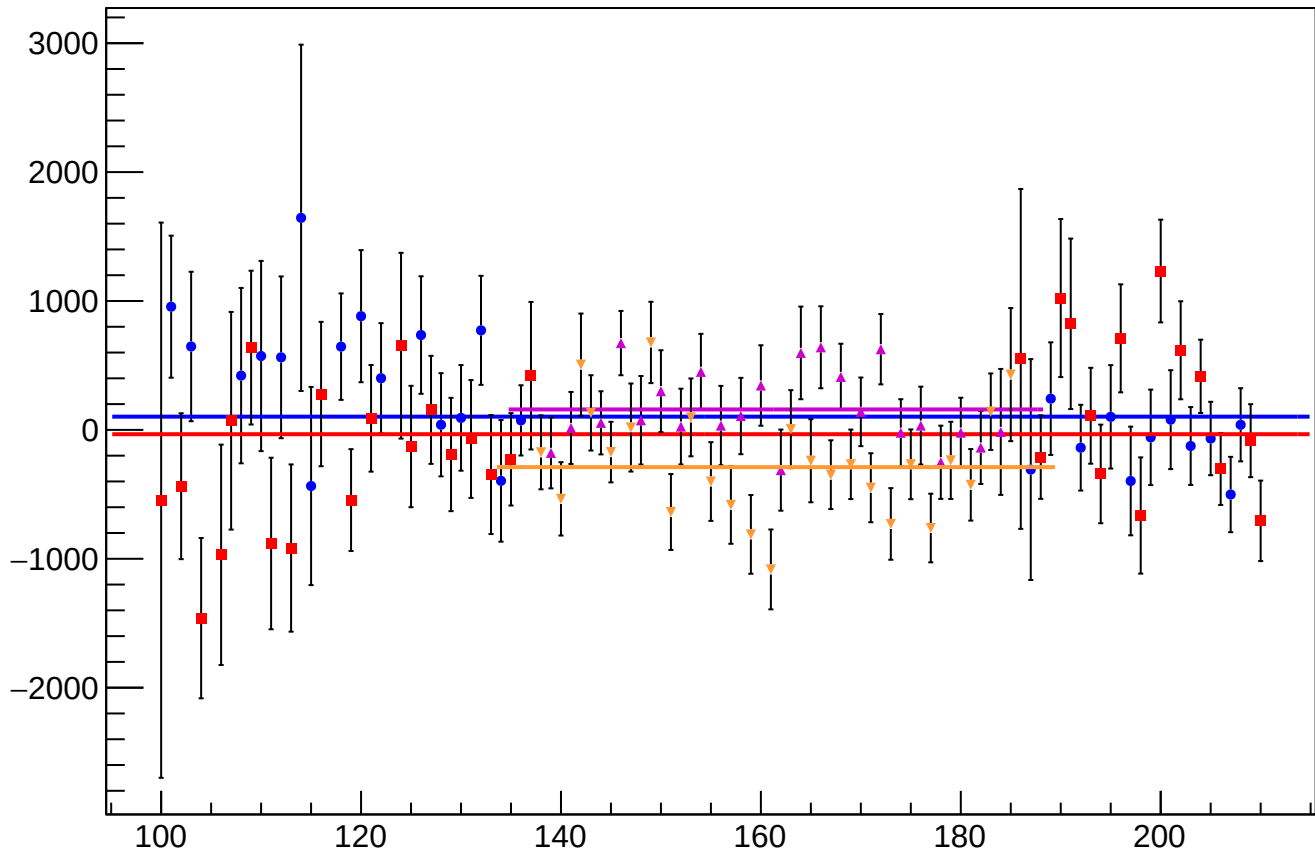
Right Out: 4407.561 $\pm$ 0.765 χ^2 /NDF: 2904048.0/32

All: 2335.176 $\pm$ 0.212 χ^2 /NDF: 21687427.0/100

Left In: 1994.760 $\pm$ 0.333 χ^2 /NDF: 599994.9/22

- sign 2378.800 $\pm$ 0.305 χ^2 /NDF: 11868523.0/55

cor_asym_sam2_mean vs Slug



Right In: 102.729 ± 79.120 χ^2/NDF : 24.1/26

Left Out: -288.928 ± 59.035 χ^2/NDF : 42.4/24

Right Out: -33.507 ± 76.675 χ^2/NDF : 48.7/32

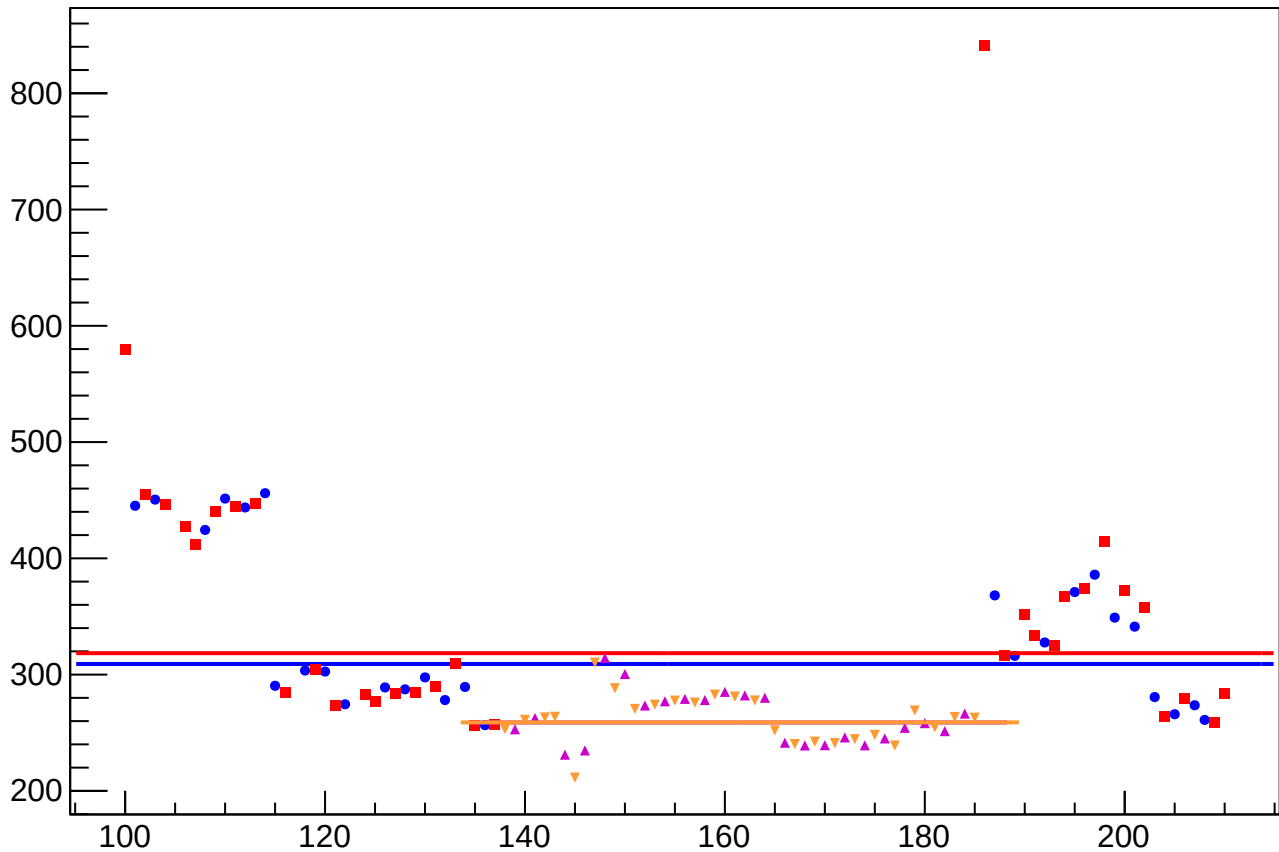
Left In: 158.612 ± 60.708 χ^2/NDF : 22.5/22

+ sign -148.860 ± 47.315 χ^2/NDF : 82.2/51

All: -32.827 ± 33.556 χ^2/NDF : 169.4/107

- sign 84.584 ± 47.596 χ^2/NDF : 75.1/55

cor_asym_sam2_rms vs Slug



Right In: 309.152 $\pm$ 0.056 χ^2 /NDF: 922233.5/26

Left Out: 258.912 $\pm$ 0.042 χ^2 /NDF: 248740.9/24

Right Out: 318.437 $\pm$ 0.054 χ^2 /NDF: 1457532.8/32

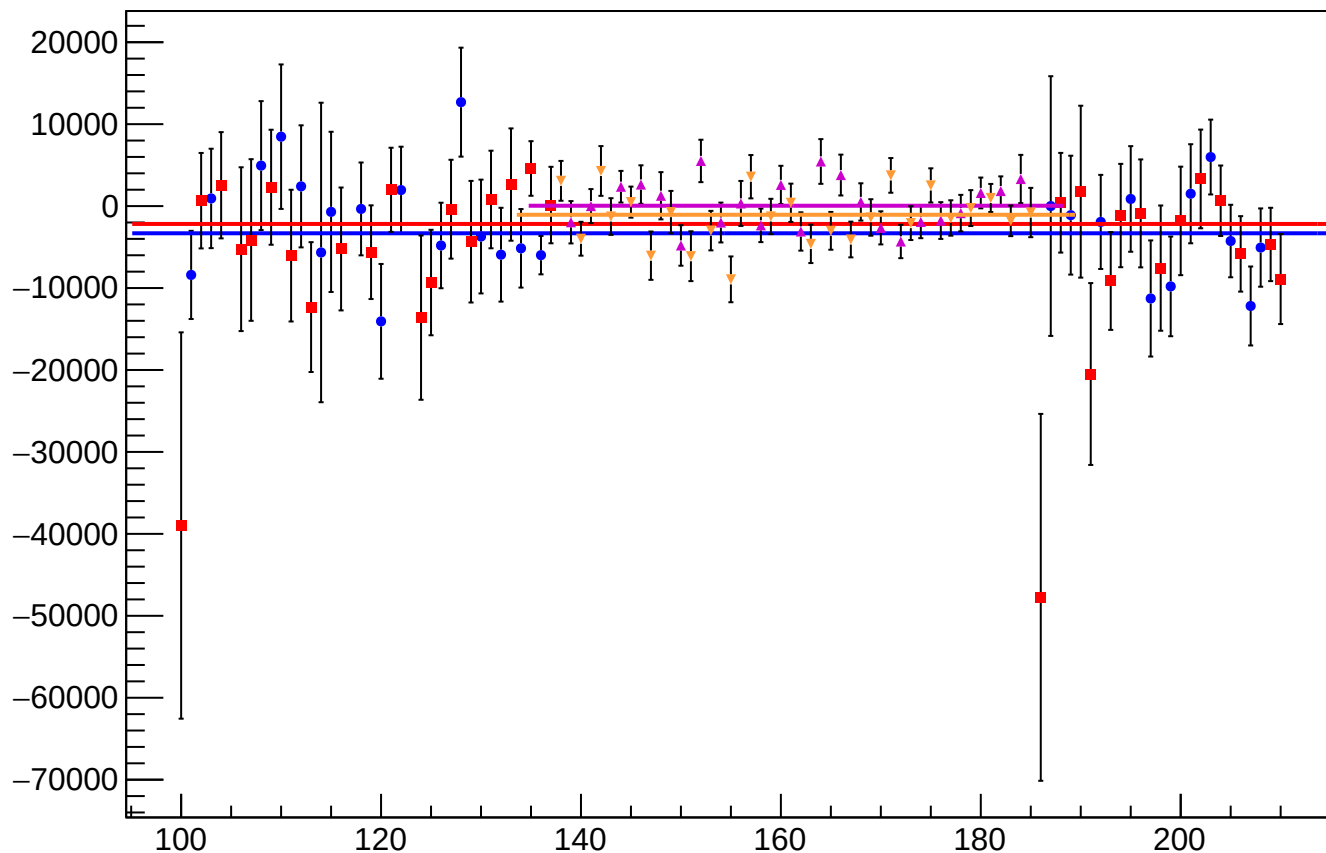
Left In: 258.843 $\pm$ 0.043 χ^2 /NDF: 244953.3/22

+ sign 276.879 $\pm$ 0.033 χ^2 /NDF: 1688997.5/51

All: 279.328 $\pm$ 0.024 χ^2 /NDF: 4144893.9/107

- sign 281.806 $\pm$ 0.034 χ^2 /NDF: 2445119.2/55

asym_sam2_cor_correction_mean vs Slug



Right In: -3316.895 ± 1064.027 χ^2/NDF : 27.5/26

Left Out: -1059.232 ± 454.653 χ^2/NDF : 41.5/24

Right Out: -2178.066 ± 1082.677 χ^2/NDF : 27.5/32

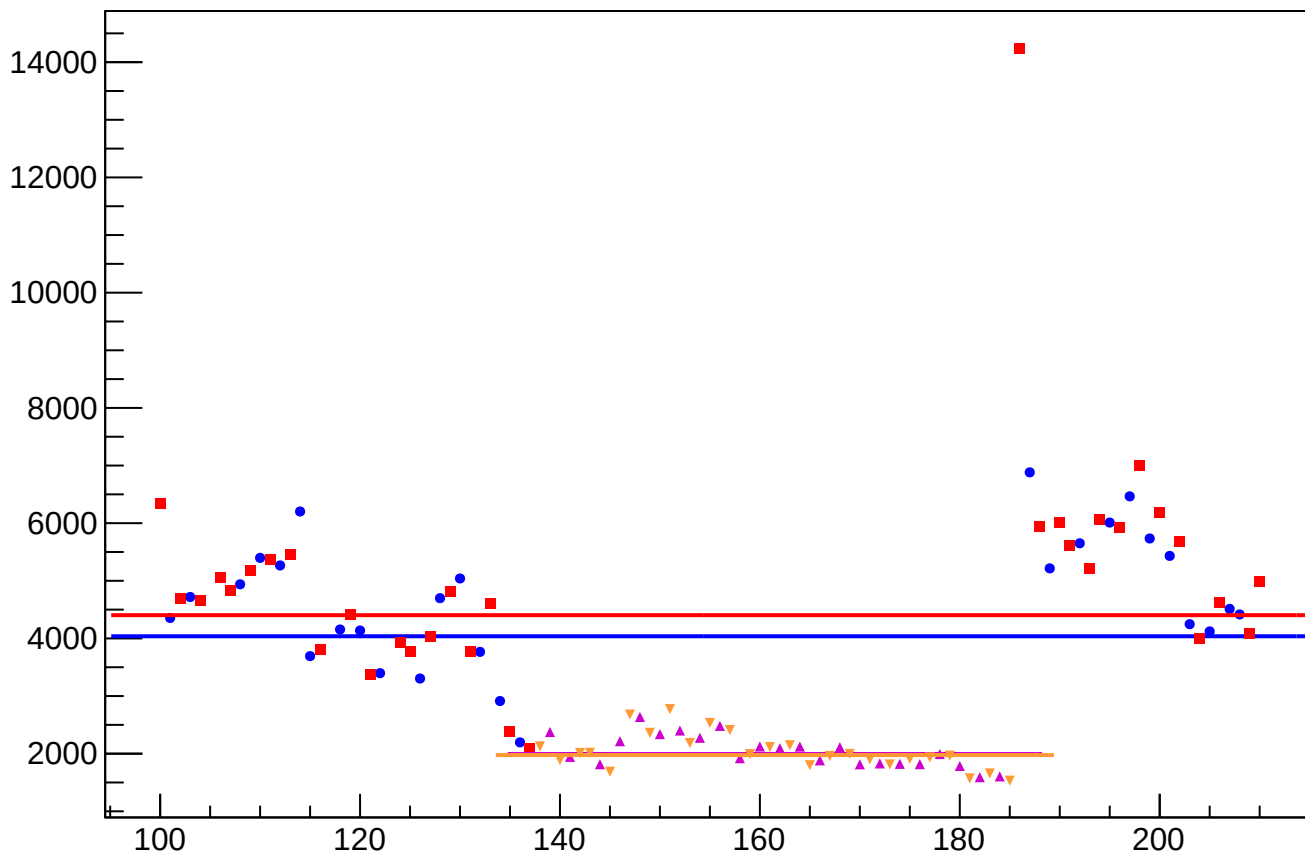
Left In: 44.348 ± 470.700 χ^2/NDF : 34.2/22

+ sign -1407.797 ± 418.085 χ^2/NDF : 72.8/51

All: -875.931 ± 300.318 χ^2/NDF : 141.3/107

- sign -308.941 ± 431.669 χ^2/NDF : 65.2/55

asym_sam2_cor_correction_rms vs Slug



Right In: 4037.466+/-0.752 χ^2/NDF : 2667653.7/26

Left Out: 1975.967+/-0.321 χ^2/NDF : 763328.1/24

Right Out: 4403.423+/-0.766 χ^2/NDF : 2894365.5/32

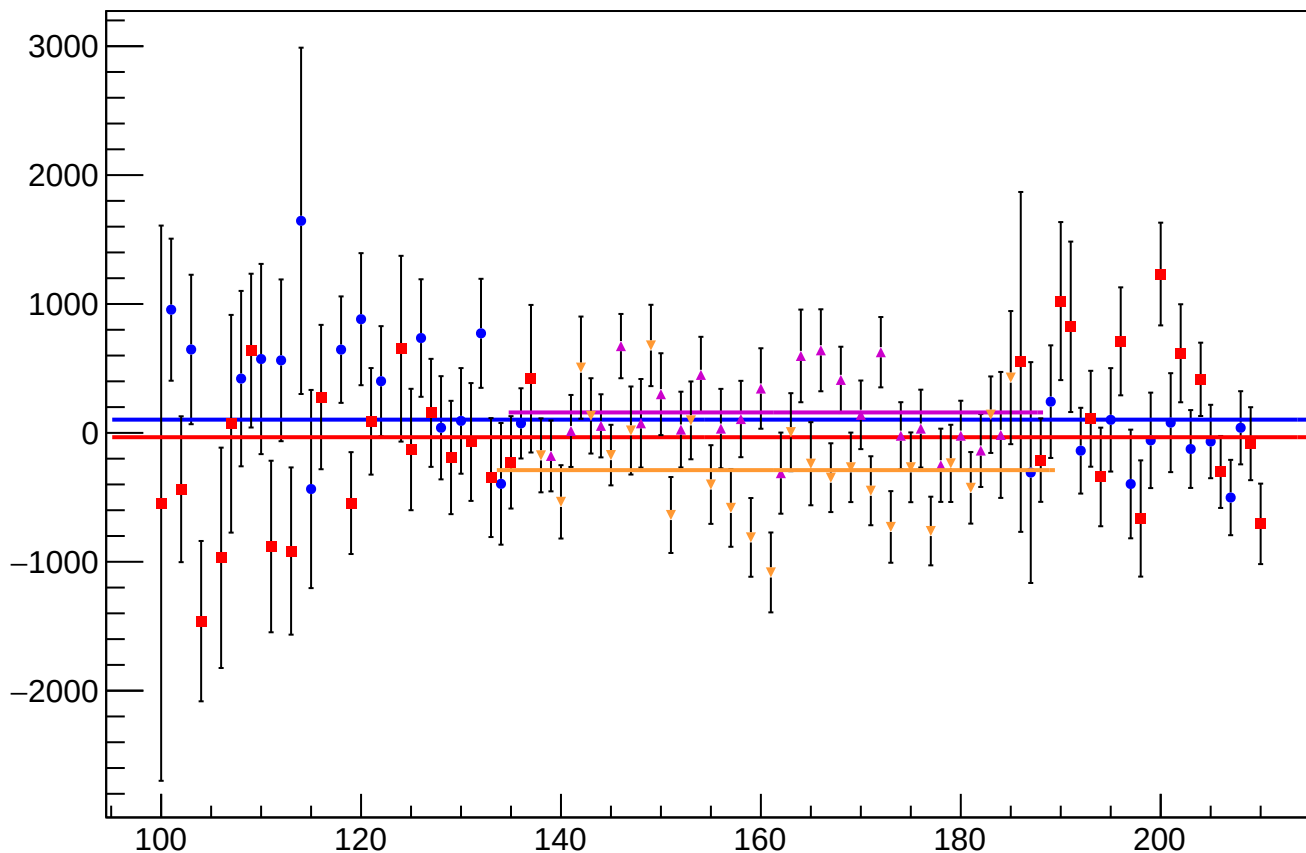
Left In: 1994.760+/-0.333 χ^2/NDF : 599996.2/22

+ sign 2294.246+/-0.296 χ^2/NDF : 9779325.3/51

All: 2334.618+/-0.212 χ^2/NDF : 21637467.4/100

- sign 2377.656+/-0.305 χ^2/NDF : 11819611.8/55

eigen_cor_asym_sam2_mean vs Slug



Right In: 102.729 ± 79.120 χ^2/NDF : 24.1/26

Left Out: -288.928 ± 59.035 χ^2/NDF : 42.4/24

Right Out: -33.507 ± 76.675 χ^2/NDF : 48.7/32

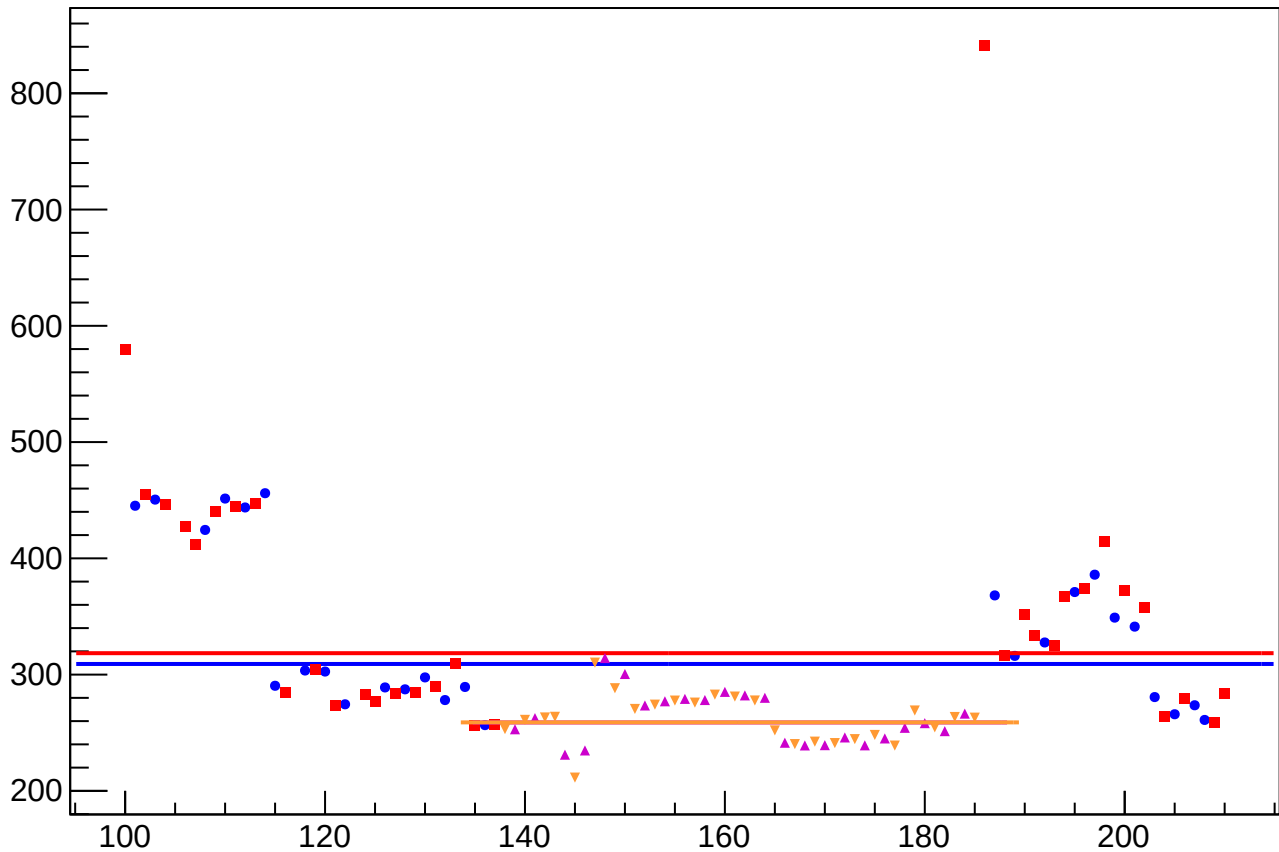
Left In: 158.612 ± 60.708 χ^2/NDF : 22.5/22

+ sign -148.860 ± 47.315 χ^2/NDF : 82.2/51

All: -32.827 ± 33.556 χ^2/NDF : 169.4/107

- sign 84.584 ± 47.596 χ^2/NDF : 75.1/55

eigen_cor_asym_sam2_rms vs Slug



Right In: 309.152+/-0.056 χ^2/NDF : 922233.5/26

Left Out: 258.912+/-0.042 χ^2/NDF : 248740.9/24

Right Out: 318.437+/-0.054 χ^2/NDF : 1457532.8/32

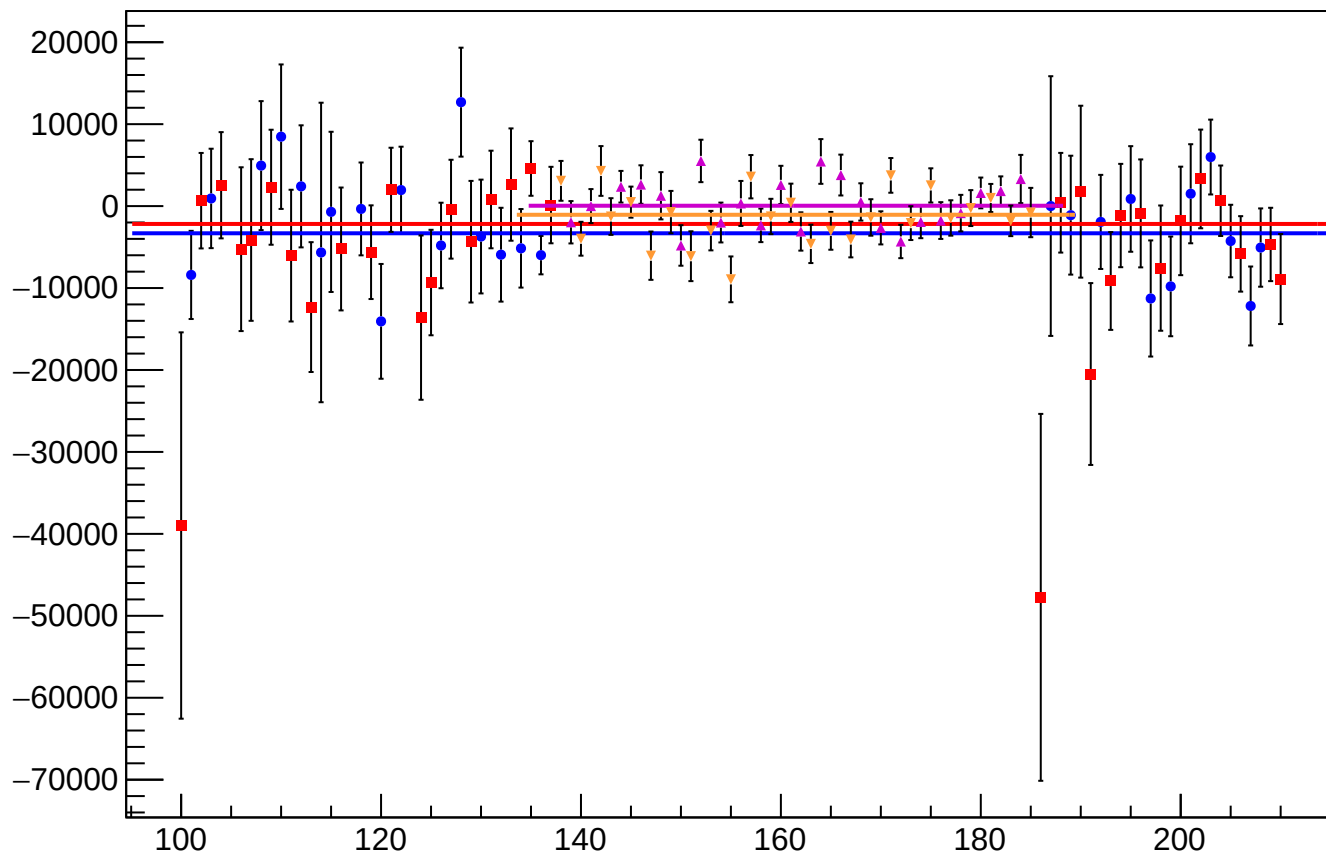
Left In: 258.843+/-0.043 χ^2/NDF : 244953.3/22

+ sign 276.879+/-0.033 χ^2/NDF : 1688997.5/51

All: 279.328+/-0.024 χ^2/NDF : 4144893.9/107

- sign 281.806+/-0.034 χ^2/NDF : 2445119.2/55

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3316.895 $\pm$ 1064.027 χ^2/NDF : 27.5/26

Left Out: -1059.232 $\pm$ 454.653 χ^2/NDF : 41.5/24

Right Out: -2178.066 $\pm$ 1082.677 χ^2/NDF : 27.5/32

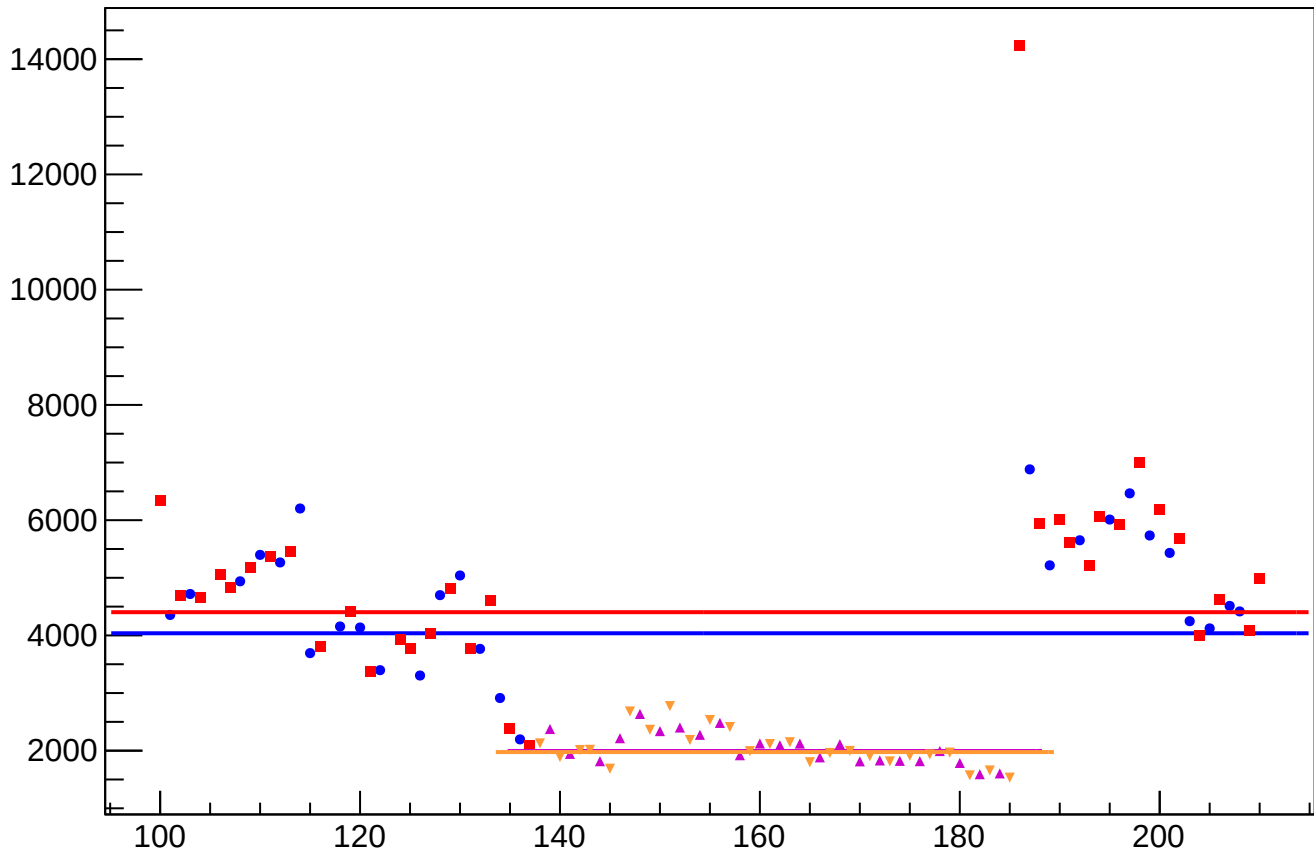
Left In: 44.348 $\pm$ 470.700 χ^2/NDF : 34.2/22

+ sign -1407.797 $\pm$ 418.085 χ^2/NDF : 72.8/51

All: -875.931 $\pm$ 300.318 χ^2/NDF : 141.3/107

- sign -308.941 $\pm$ 431.669 χ^2/NDF : 65.2/55

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 4037.466 $\pm$ 0.752 χ^2/NDF : 2667653.7/26

Left Out: 1975.967 $\pm$ 0.321 χ^2/NDF : 763328.1/24

Right Out: 4403.423 $\pm$ 0.766 χ^2/NDF : 2894365.5/32

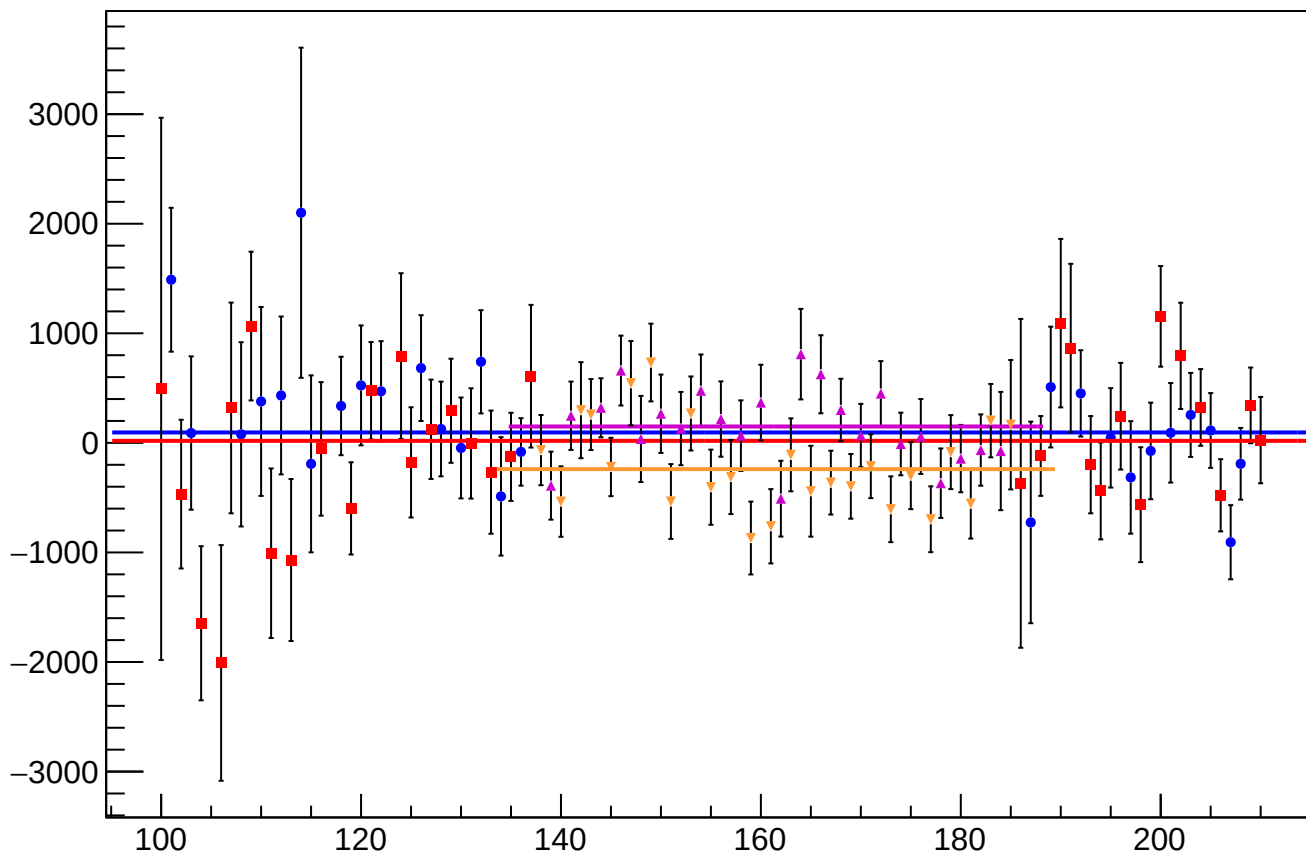
Left In: 1994.760 $\pm$ 0.333 χ^2/NDF : 599996.2/22

+ sign 2294.246 $\pm$ 0.296 χ^2/NDF : 9779325.3/51

All: 2334.618 $\pm$ 0.212 χ^2/NDF : 21637467.4/100

- sign 2377.656 $\pm$ 0.305 χ^2/NDF : 11819611.8/55

dit_asym_sam2_mean vs Slug



Right In: 95.058 ± 91.299 χ^2/NDF : 26.0/26

Left Out: -239.549 ± 66.167 χ^2/NDF : 34.0/24

Right Out: 18.550 ± 88.865 χ^2/NDF : 40.8/32

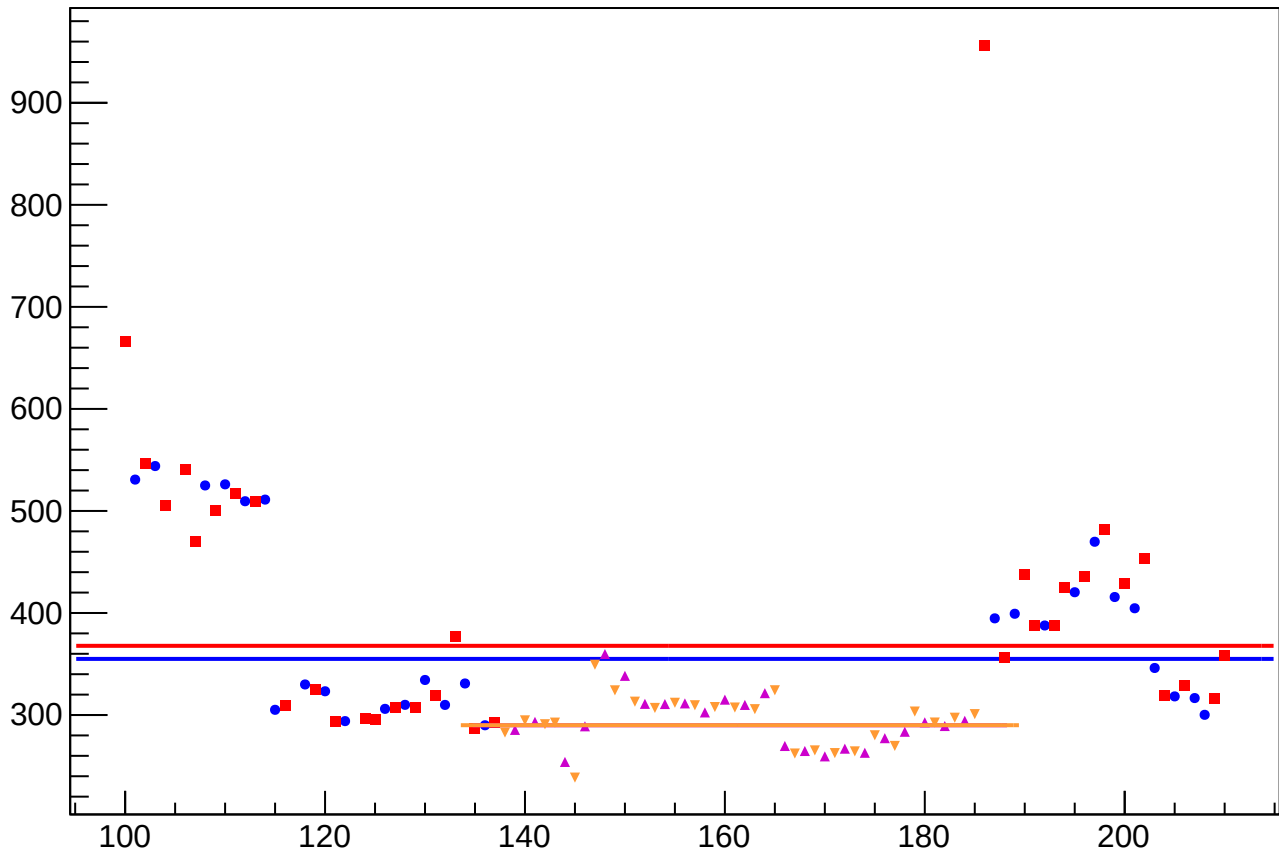
Left In: 149.516 ± 68.160 χ^2/NDF : 21.7/22

+ sign -124.322 ± 53.576 χ^2/NDF : 68.8/51

All: -12.718 ± 38.062 χ^2/NDF : 141.5/107

- sign 101.008 ± 54.083 χ^2/NDF : 63.9/55

dit_asym_sam2_rms vs Slug



Right In: 355.000 $\pm$ 0.065 χ^2 /NDF: 1116862.8/26

Left Out: 290.023 $\pm$ 0.047 χ^2 /NDF:280647.1/24

Right Out: 367.816 $\pm$ 0.063 χ^2 /NDF: 1598740.1/32

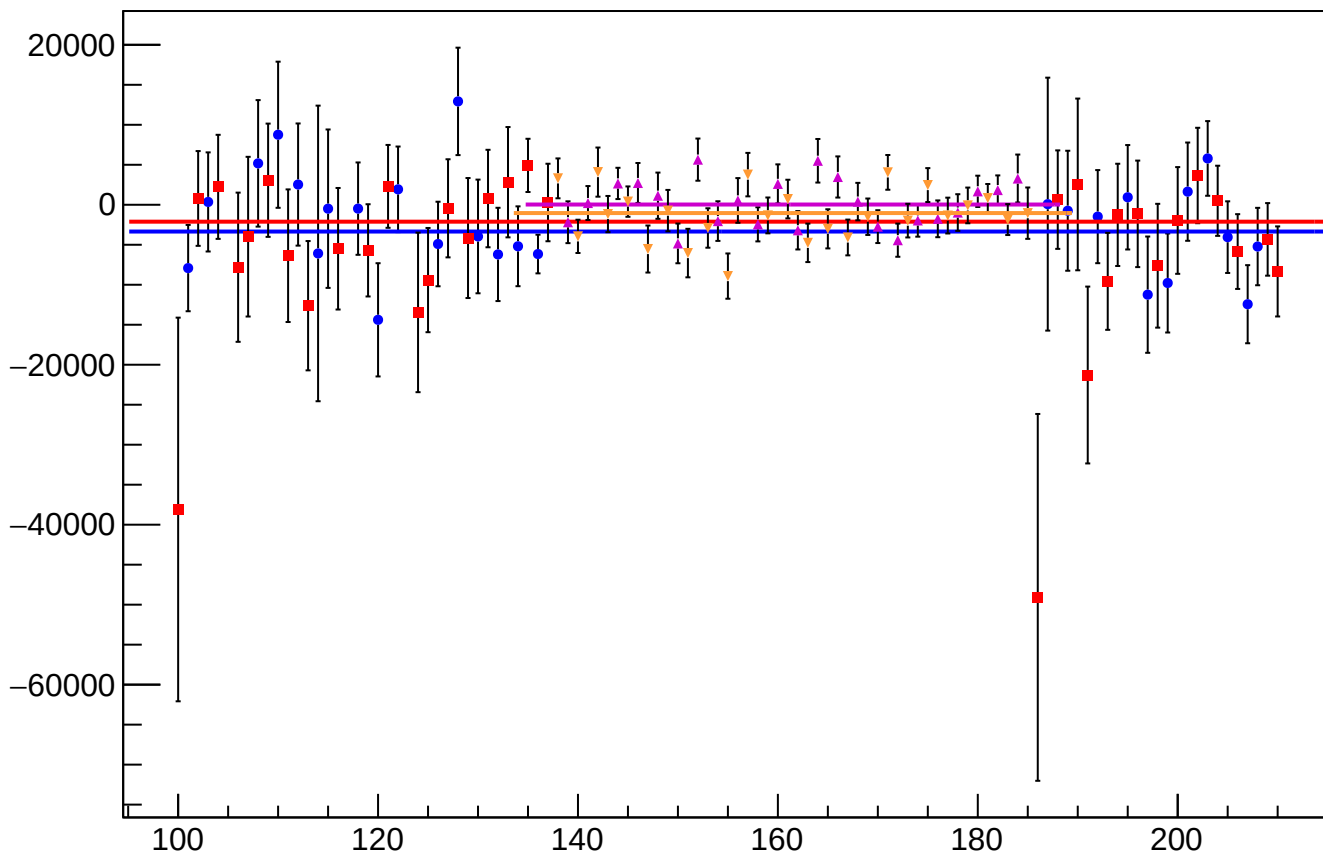
Left In: 289.941 $\pm$ 0.048 χ^2 /NDF:269669.5/22

+ sign 312.399 $\pm$ 0.038 χ^2 /NDF: 2061687.2/51

All: 315.562 $\pm$ 0.027 χ^2 /NDF: 4911189.5/107

- sign 318.785 $\pm$ 0.038 χ^2 /NDF: 2835425.6/55

asym_sam2_dit_correction_mean vs Slug



Right In: -3347.337 ± 1085.544 χ^2/NDF : 27.1/26

Left Out: -1036.592 ± 465.324 χ^2/NDF : 40.3/24

Right Out: -2113.265 ± 1095.553 χ^2/NDF : 28.3/32

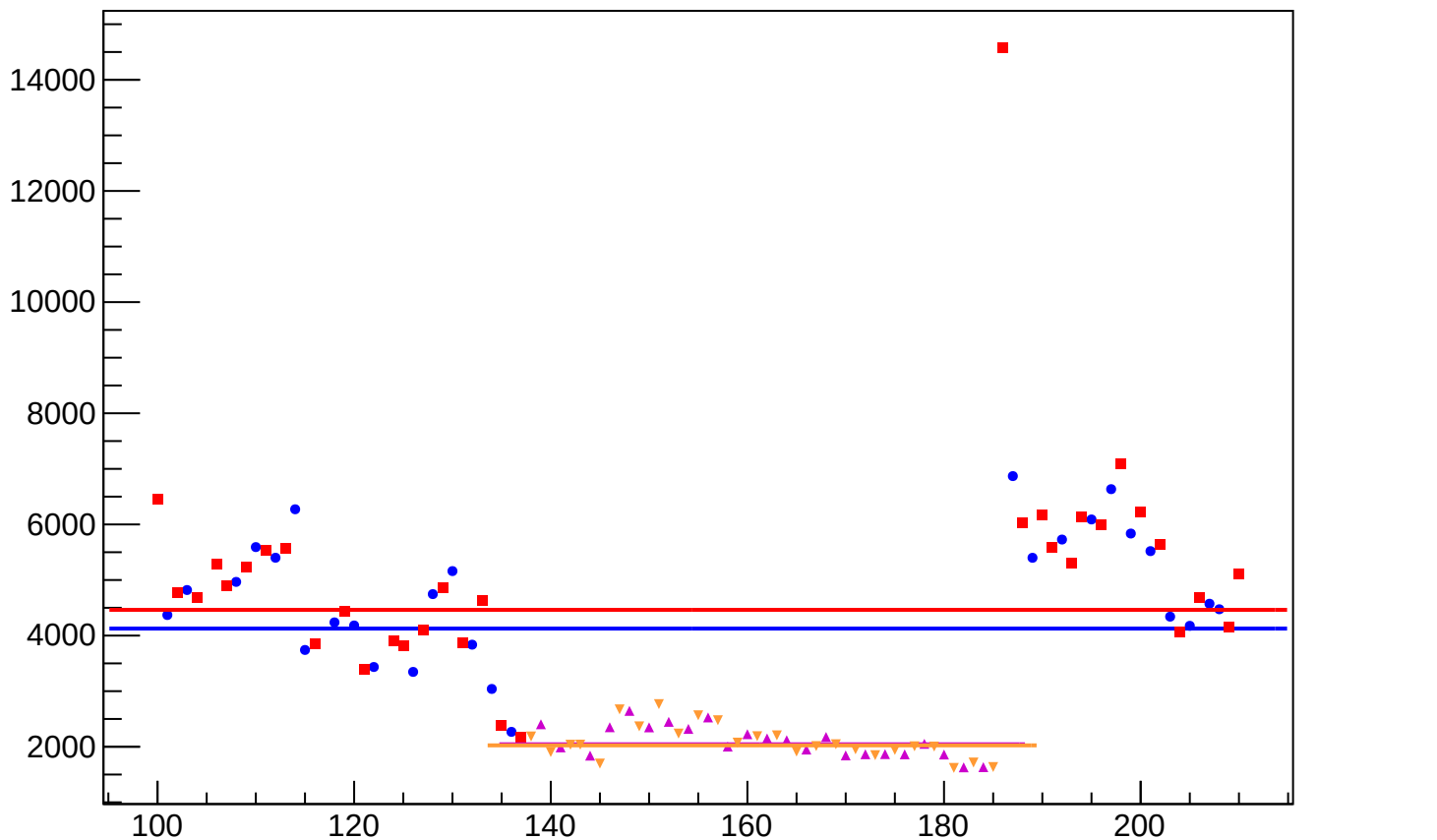
Left In: 30.393 ± 482.280 χ^2/NDF : 34.1/22

+ sign -1395.273 ± 427.687 χ^2/NDF : 71.2/51

All: -873.436 ± 307.155 χ^2/NDF : 140.0/107

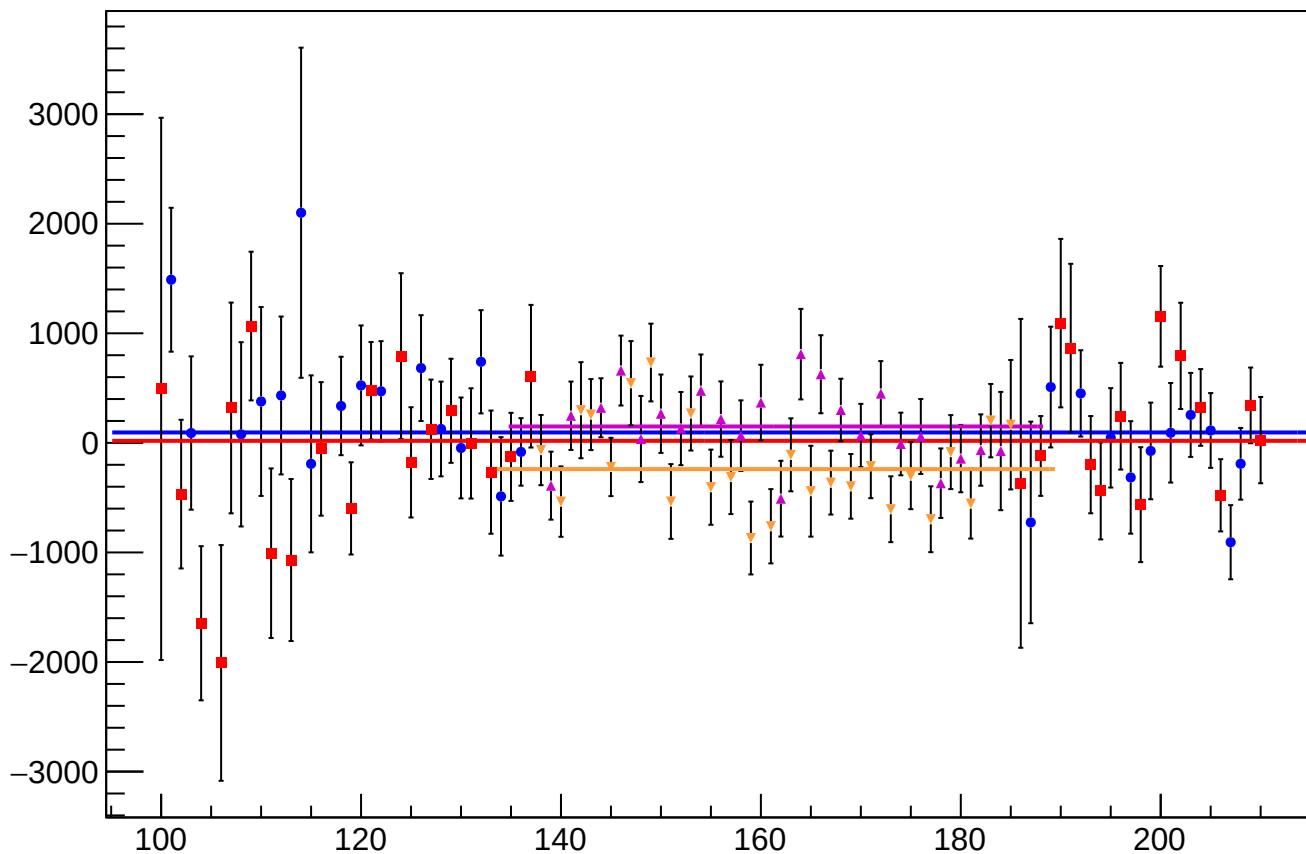
- sign -317.591 ± 441.403 χ^2/NDF : 65.7/55

asym_sam2_dit_correction_rms vs Slug



Right In: 4126.267+/-0.768	χ^2/NDF : 2582838.0/26	+ sign 2351.238+/-0.302	χ^2/NDF : 9613665.4/51
Left Out: 2025.085+/-0.329	χ^2/NDF : 700821.6/24	All: 2392.851+/-0.217	χ^2/NDF : 21300005.3/32
Right Out: 4463.357+/-0.775	χ^2/NDF : 2895601.0/32	- sign 2437.177+/-0.312	χ^2/NDF : 11647237.2/55
Left In: 2044.523+/-0.341	χ^2/NDF : 584918.7/22		

eigen_dit_asym_sam2_mean vs Slug



Right In: 95.064 $\pm$ 91.299 χ^2/NDF : 26.0/26

Left Out: -239.552 $\pm$ 66.167 χ^2/NDF : 34.0/24

Right Out: 18.550 $\pm$ 88.865 χ^2/NDF : 40.8/32

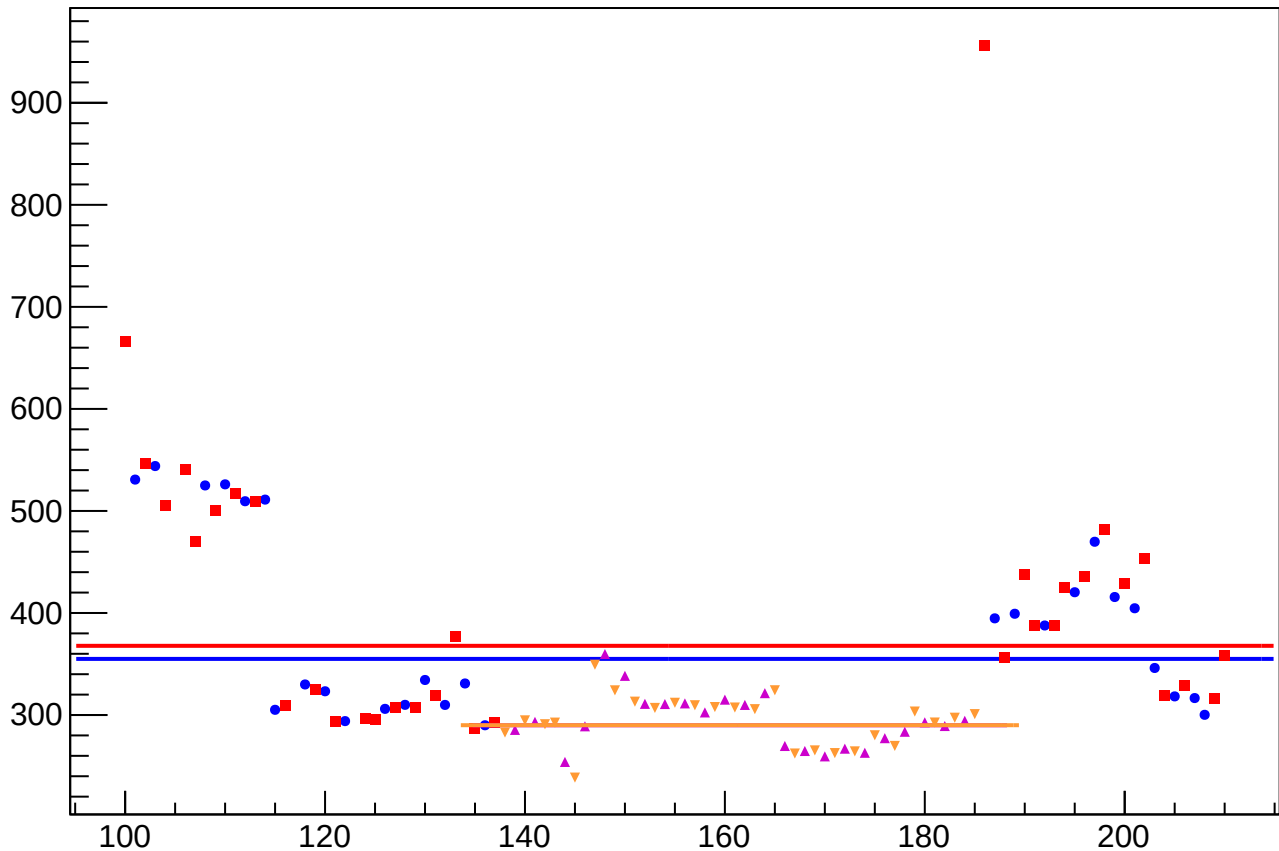
Left In: 149.517 $\pm$ 68.160 χ^2/NDF : 21.7/22

+ sign -124.322 $\pm$ 53.576 χ^2/NDF : 68.8/51

All: -12.718 $\pm$ 38.062 χ^2/NDF : 141.5/107

- sign 101.008 $\pm$ 54.083 χ^2/NDF : 63.9/55

eigen_dit_asym_sam2_rms vs Slug



Right In: 354.999 $\pm$ 0.065 χ^2 /NDF: 1116857.0/26

Left Out: 290.023 $\pm$ 0.047 χ^2 /NDF: 280652.8/24

Right Out: 367.816 $\pm$ 0.063 χ^2 /NDF: 1598729.6/32

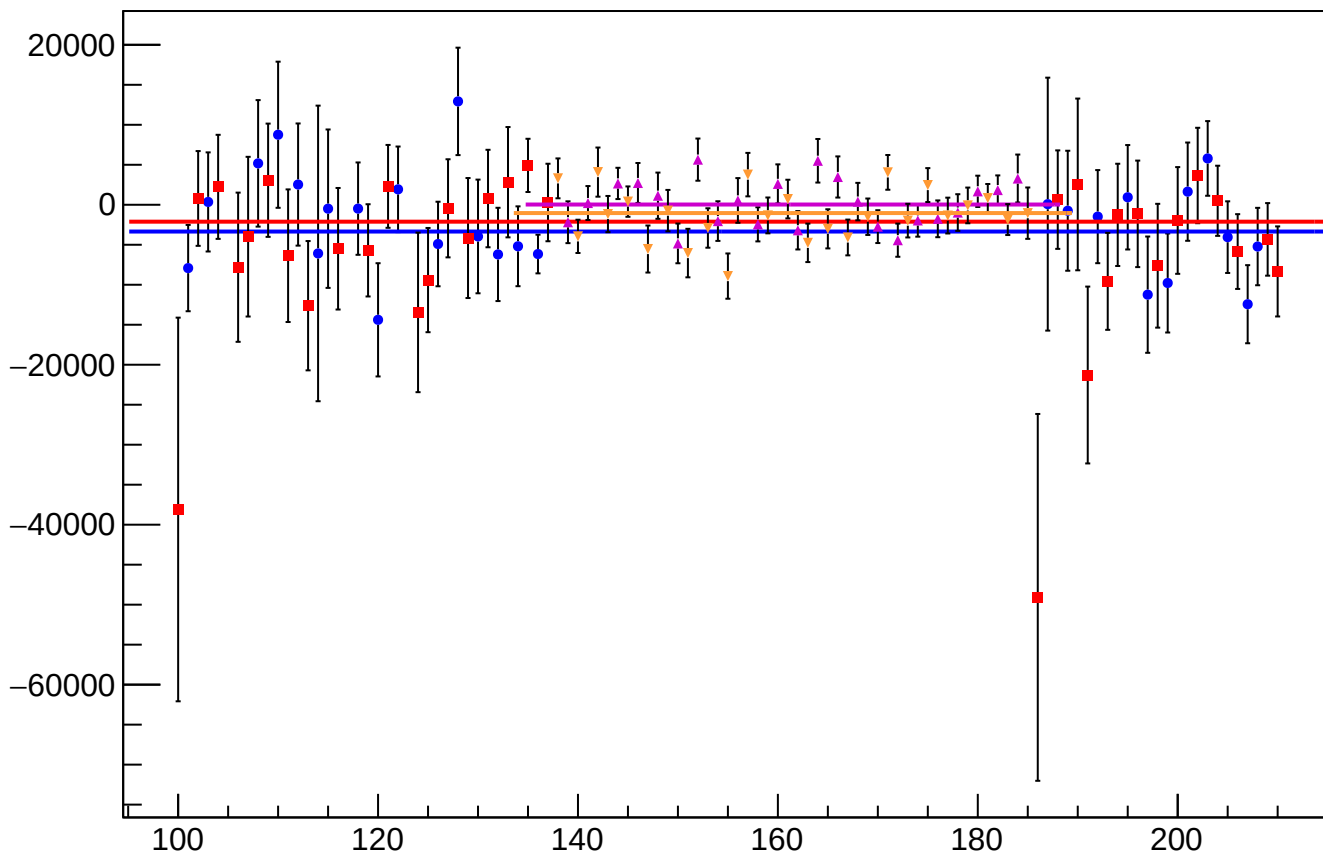
Left In: 289.941 $\pm$ 0.048 χ^2 /NDF: 269671.9/22

+ sign 312.398 $\pm$ 0.038 χ^2 /NDF: 2061669.4/51

All: 315.562 $\pm$ 0.027 χ^2 /NDF: 4911157.1/107

- sign 318.785 $\pm$ 0.038 χ^2 /NDF: 2835410.7/55

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3347.332 ± 1085.544 χ^2/NDF : 27.1/26

Left Out: -1036.591 ± 465.324 χ^2/NDF : 40.3/24

Right Out: -2113.267 ± 1095.552 χ^2/NDF : 28.3/32

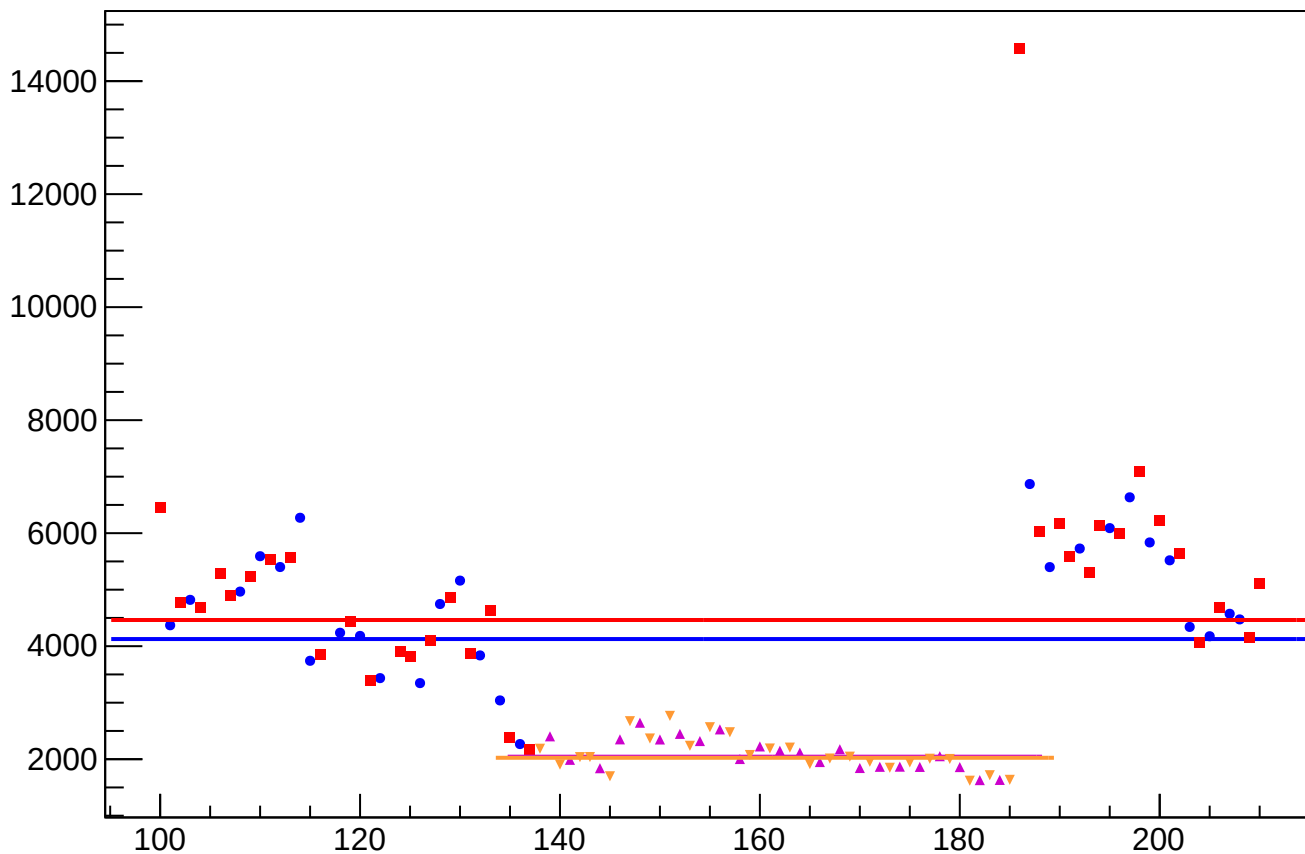
Left In: 30.392 ± 482.280 χ^2/NDF : 34.1/22

+ sign -1395.273 ± 427.687 χ^2/NDF : 71.2/51

All: -873.437 ± 307.155 χ^2/NDF : 140.0/107

- sign -317.593 ± 441.403 χ^2/NDF : 65.7/55

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4126.265+/-0.768 χ^2/NDF : 2582829.4/26

Left Out: 2025.085+/-0.329 χ^2/NDF : 700825.4/24

Right Out: 4463.355+/-0.775 χ^2/NDF : 2895596.9/32

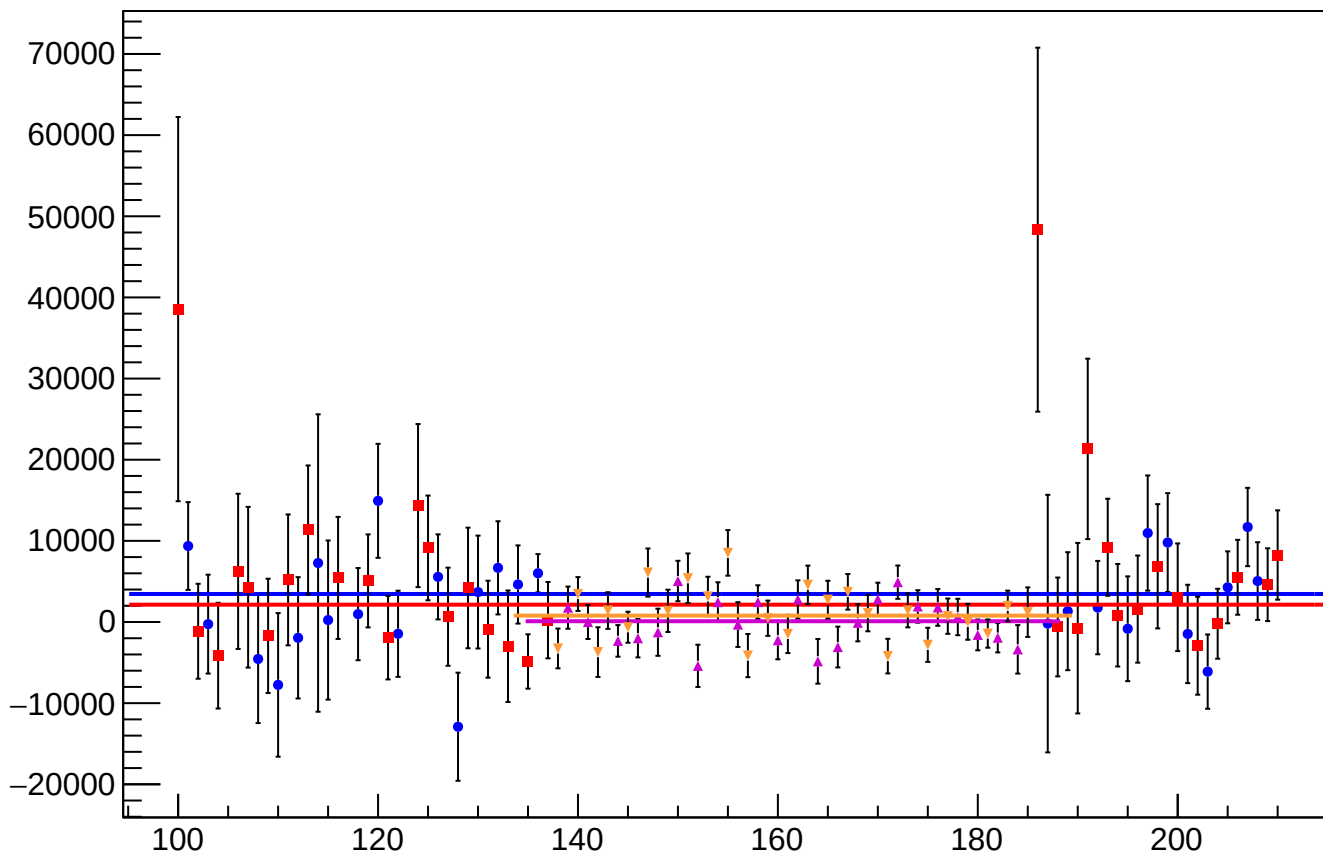
Left In: 2044.522+/-0.341 χ^2/NDF : 584922.7/22

+ sign 2351.238+/-0.302 χ^2/NDF : 9613652.7/51

All: 2392.851+/-0.217 χ^2/NDF : 21299985.9/100

- sign 2437.177+/-0.312 χ^2/NDF : 11647231.1/55

asym_sam2_mean vs Slug



Right In: 3453.155+/-1068.010 χ^2/NDF : 27.3/26

Left Out: 788.321+/-458.726 χ^2/NDF : 41.3/24

Right Out: 2134.454+/-1085.440 χ^2/NDF : 27.3/32

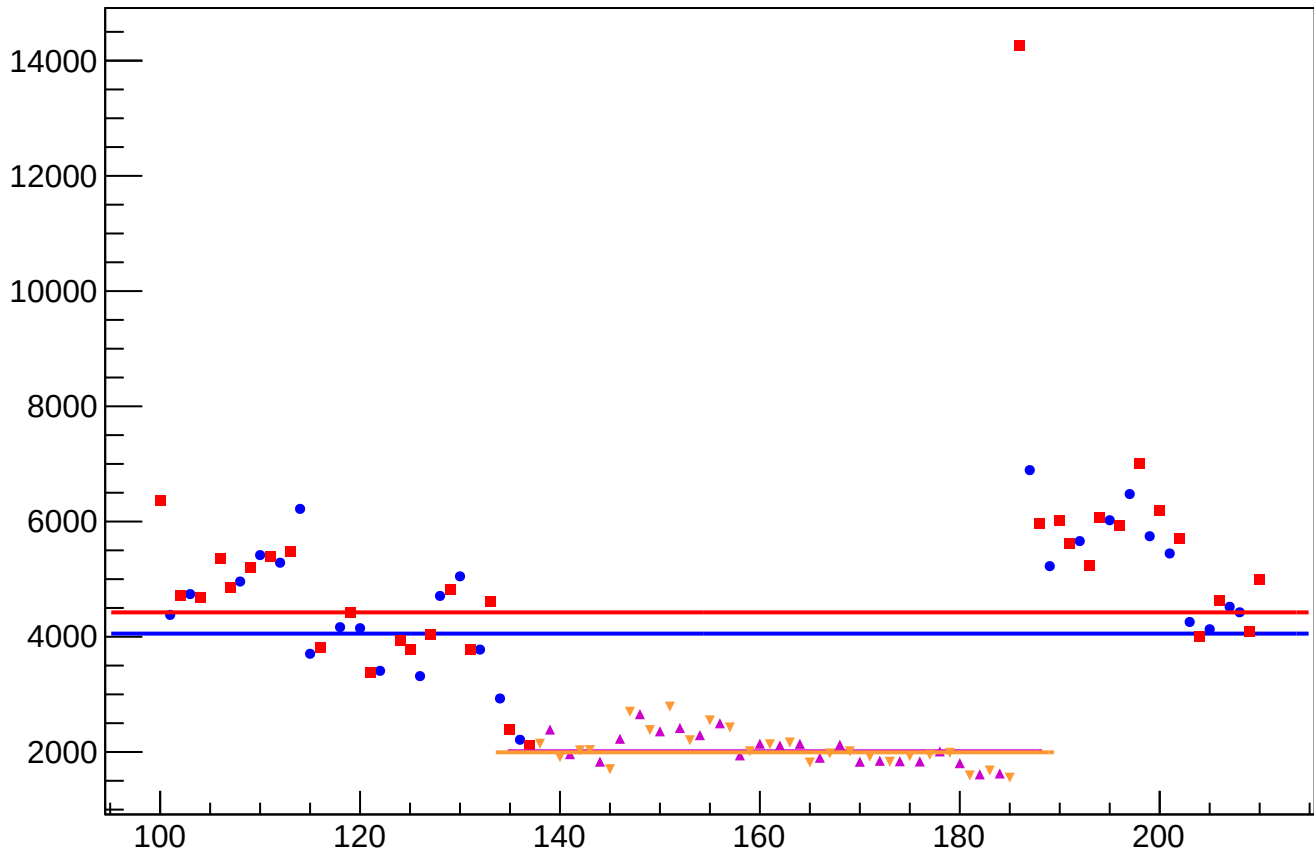
Left In: 96.730+/-474.825 χ^2/NDF : 32.8/22

+ sign 1203.368+/-421.492 χ^2/NDF : 73.9/51

All: 826.012+/-302.710 χ^2/NDF : 138.6/107

- sign 424.039+/-435.023 χ^2/NDF : 63.1/55

asym_sam2_rms vs Slug



Right In: 4054.792+/-0.755 χ^2/NDF : 2637807.0/26

Left Out: 1994.246+/-0.324 χ^2/NDF : 746498.4/24

Right Out: 4423.231+/-0.768 χ^2/NDF : 2882183.4/32

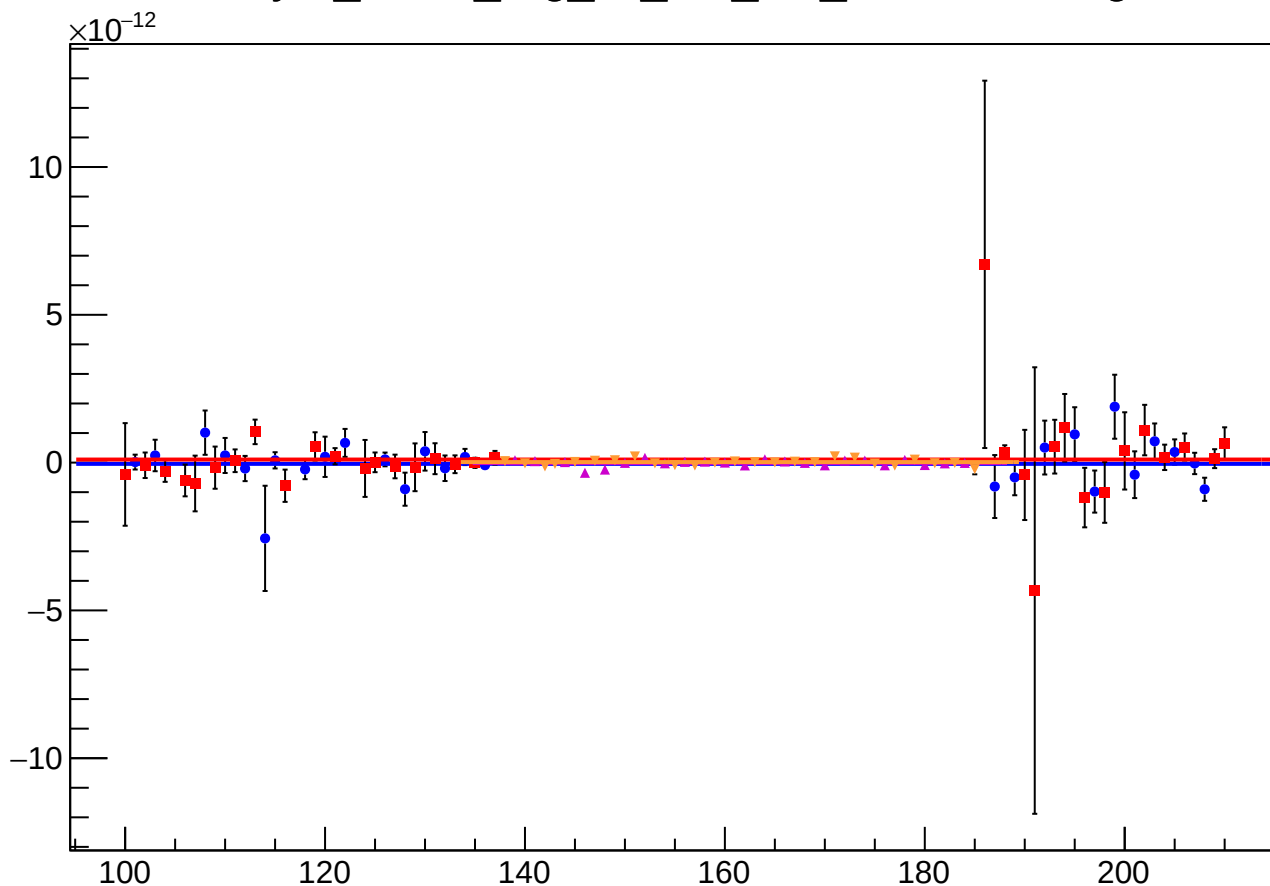
Left In: 2012.692+/-0.336 χ^2/NDF : 587260.9/22

+ sign 2315.175+/-0.298 χ^2/NDF : 9669447.3/51

All: 2356.191+/-0.214 χ^2/NDF : 21457486.8/100

- sign 2399.884+/-0.308 χ^2/NDF : 11748924.7/55

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.1/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 24.2/32

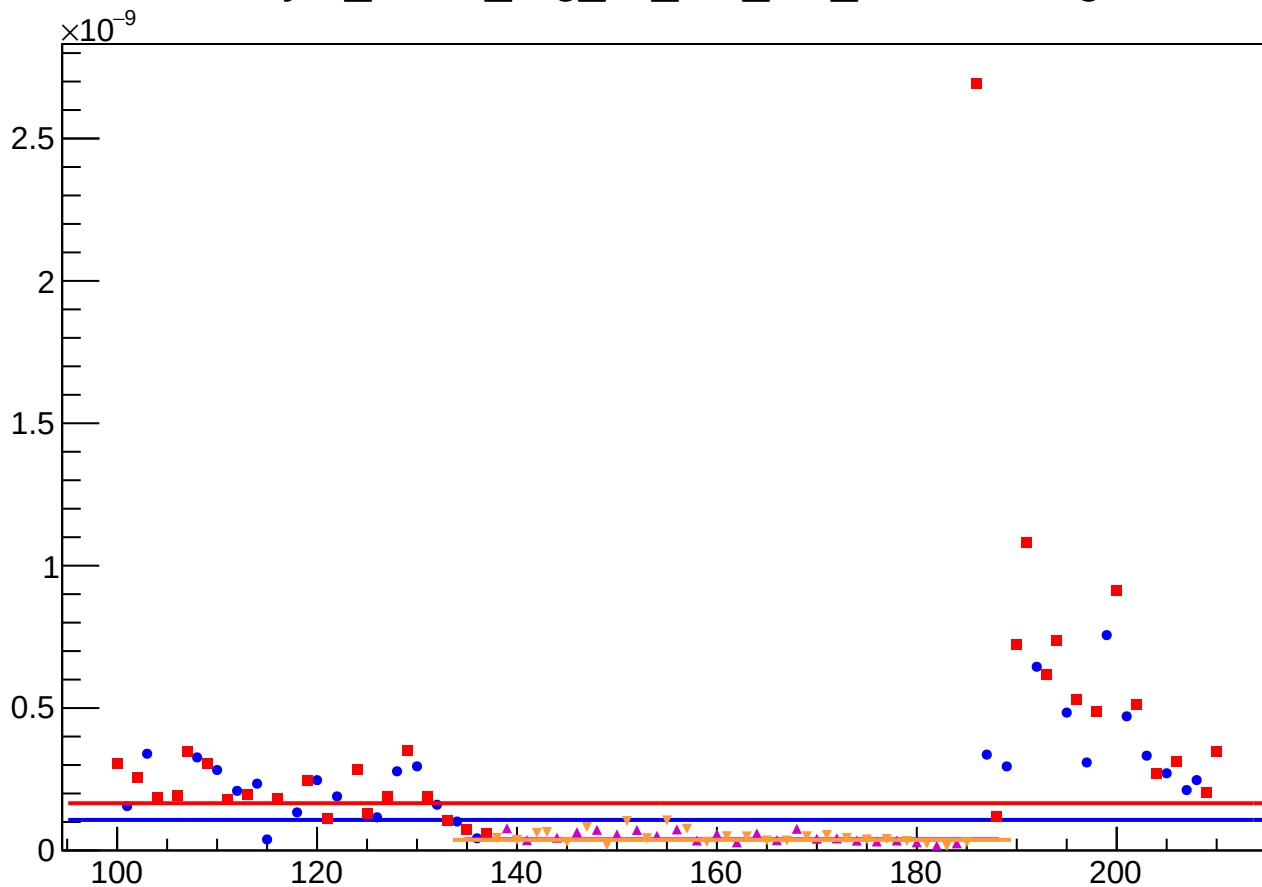
Left In: -0.000 ± 0.000 χ^2/NDF : 30.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 49.3/51

All: 0.000 ± 0.000 χ^2/NDF : 107.8/107

- sign -0.000 ± 0.000 χ^2/NDF : 57.4/55

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6642610.8/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2323330.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5384603.5/32

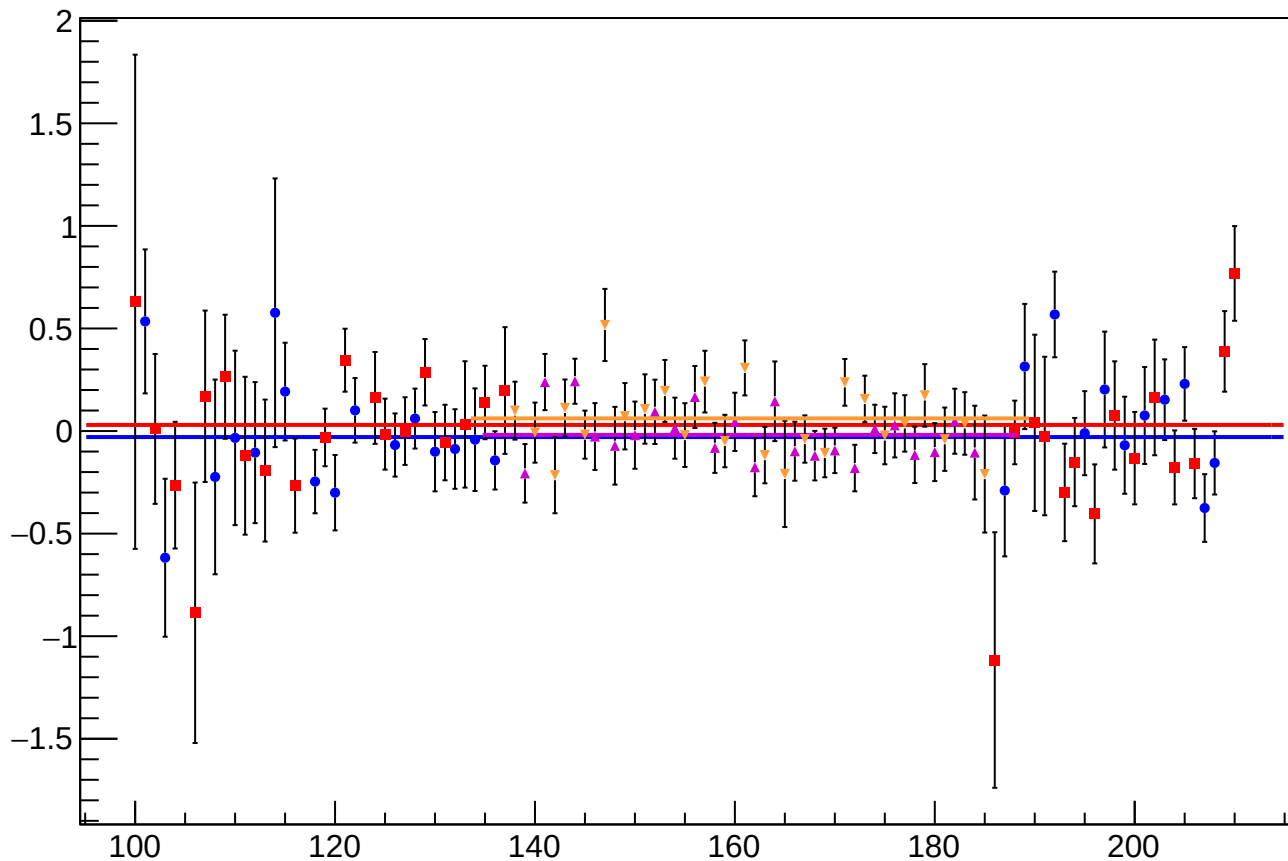
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1921481.4/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 11750468.7/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 24822413.5/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 13028360.8/55

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.029 ± 0.040 χ^2/NDF : 32.0/26

Left Out: 0.062 ± 0.029 χ^2/NDF : 27.4/24

Right Out: 0.030 ± 0.039 χ^2/NDF : 40.7/32

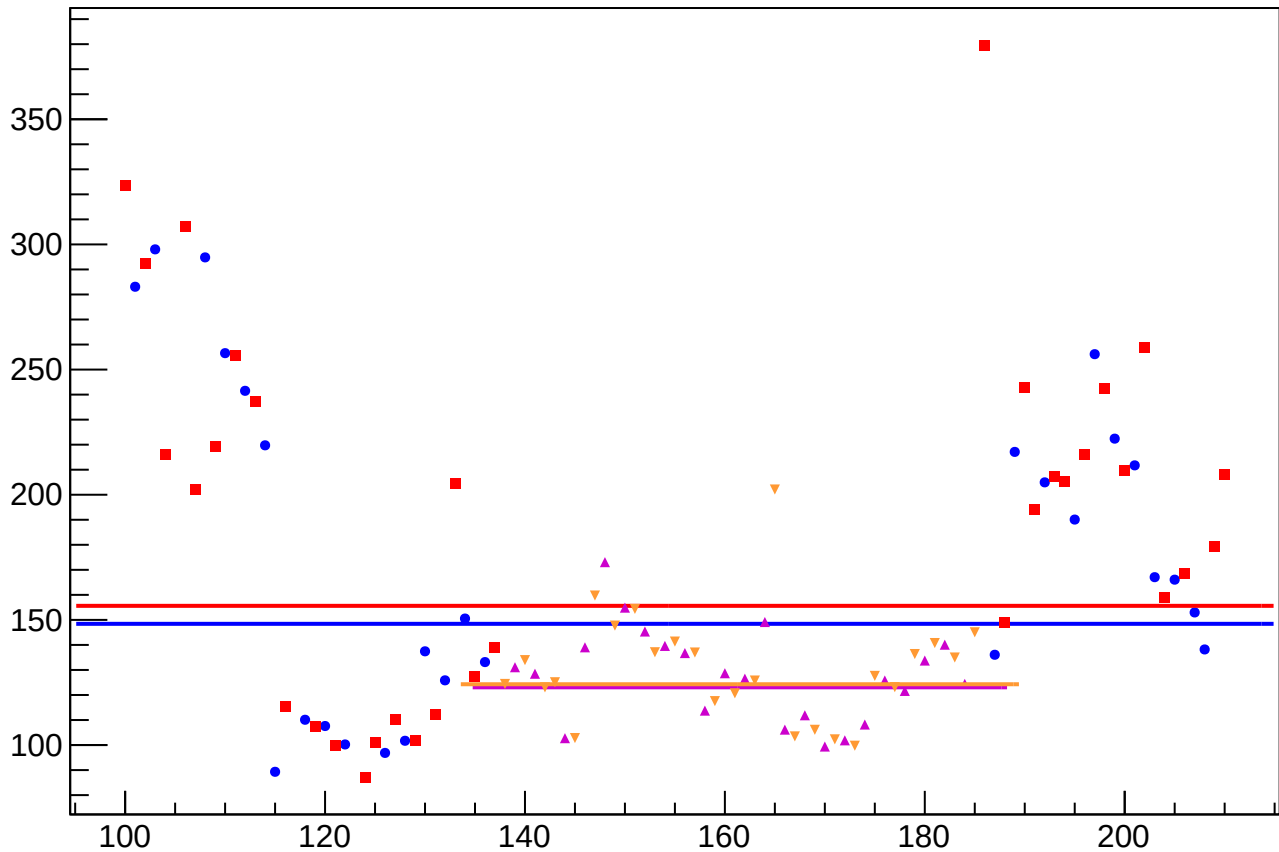
Left In: -0.019 ± 0.029 χ^2/NDF : 20.3/22

+ sign 0.031 ± 0.023 χ^2/NDF : 62.9/51

All: 0.015 ± 0.017 χ^2/NDF : 125.8/107

- sign -0.001 ± 0.024 χ^2/NDF : 62.0/55

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 148.428 $\pm$ 0.028 χ^2 /NDF: 3116633.5/26

Left Out: 124.292 $\pm$ 0.020 χ^2 /NDF: 840983.3/24

Right Out: 155.615 $\pm$ 0.028 χ^2 /NDF: 3841103.7/32

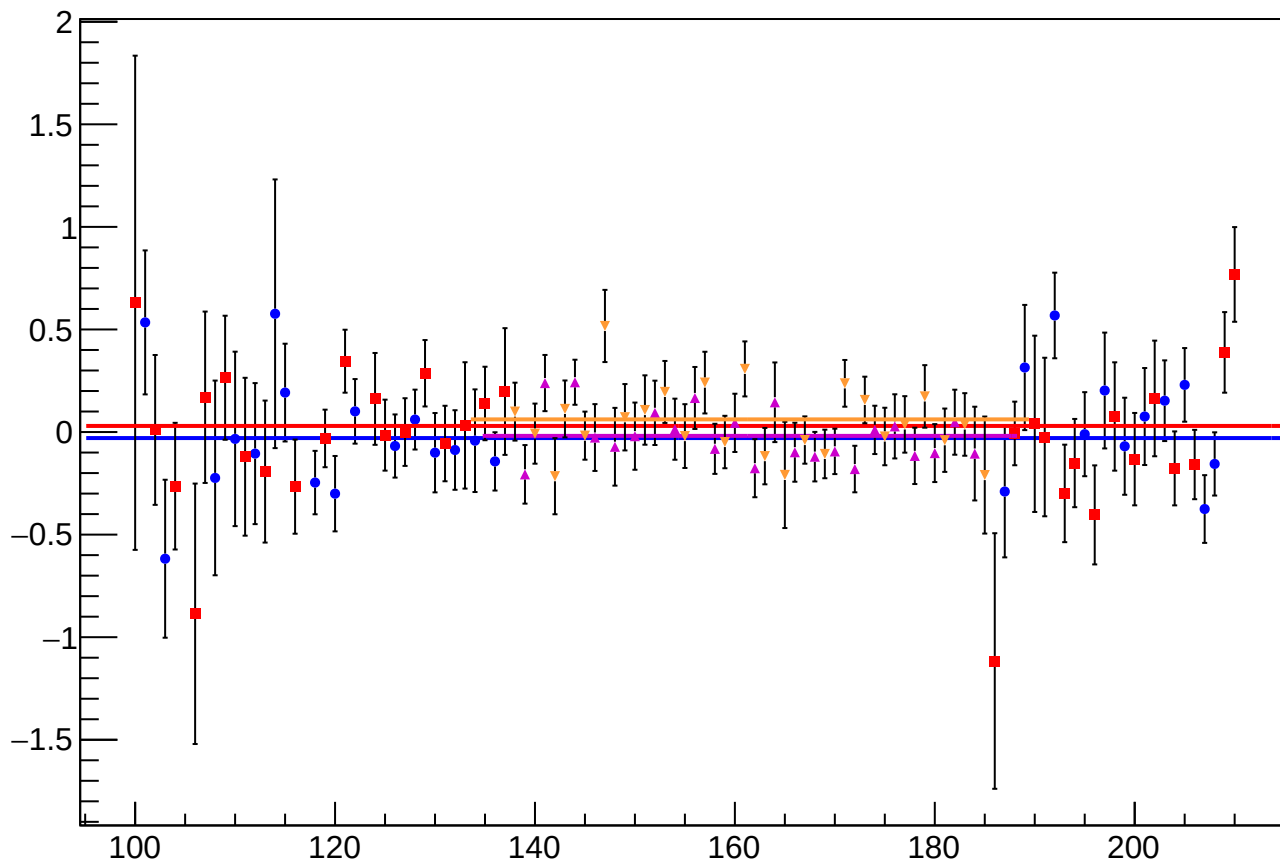
Left In: 123.062 $\pm$ 0.021 χ^2 /NDF: 718821.1/22

+ sign 132.482 $\pm$ 0.016 χ^2 /NDF: 4438237.9/51

All: 133.572 $\pm$ 0.012 χ^2 /NDF: 9886388.8/107

- sign 134.681 $\pm$ 0.017 χ^2 /NDF: 5439330.4/55

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029 ± 0.040 χ^2/NDF : 32.0/26

Left Out: 0.062 ± 0.029 χ^2/NDF : 27.4/24

Right Out: 0.030 ± 0.039 χ^2/NDF : 40.7/32

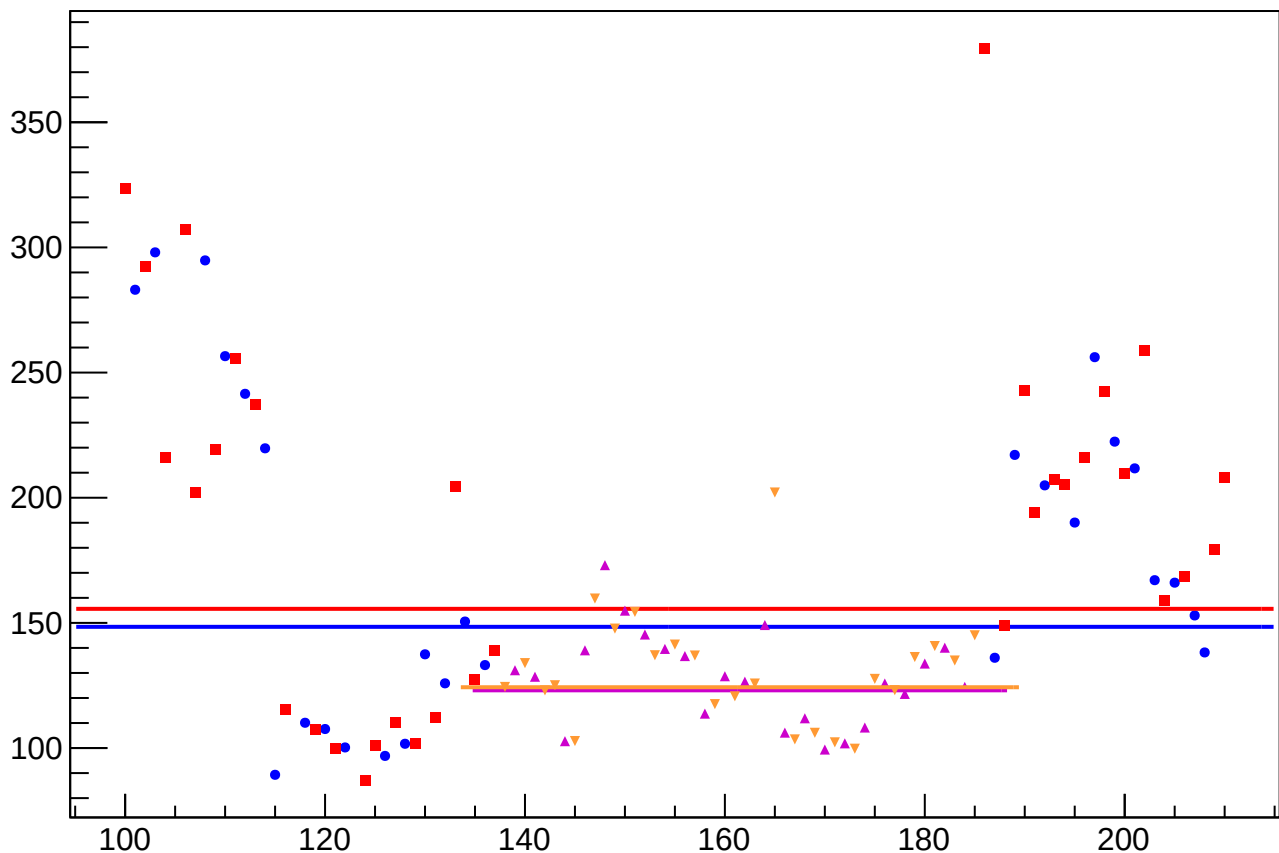
Left In: -0.019 ± 0.029 χ^2/NDF : 20.3/22

+ sign 0.031 ± 0.023 χ^2/NDF : 62.9/51

All: 0.015 ± 0.017 χ^2/NDF : 125.8/107

- sign -0.001 ± 0.024 χ^2/NDF : 62.0/55

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.428 $\pm$ 0.028 χ^2 /NDF: 3116633.5/26

Left Out: 124.292 $\pm$ 0.020 χ^2 /NDF: 840983.3/24

Right Out: 155.615 $\pm$ 0.028 χ^2 /NDF: 3841103.7/32

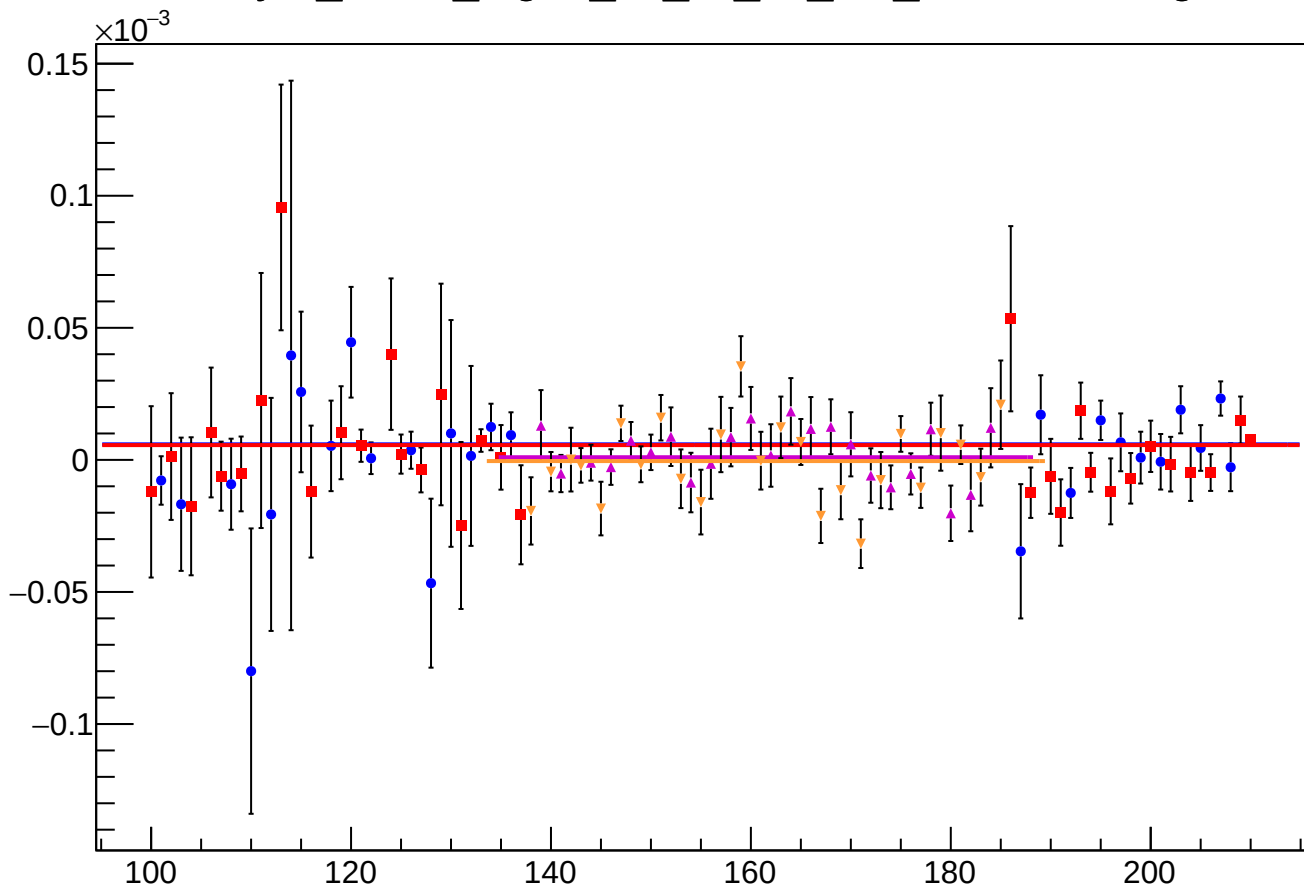
Left In: 123.062 $\pm$ 0.021 χ^2 /NDF: 718821.1/22

+ sign 132.482 $\pm$ 0.016 χ^2 /NDF: 4438237.9/51

All: 133.572 $\pm$ 0.012 χ^2 /NDF: 9886388.8/107

- sign 134.681 $\pm$ 0.017 χ^2 /NDF: 5439330.4/55

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 34.2/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 52.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 38.5/32

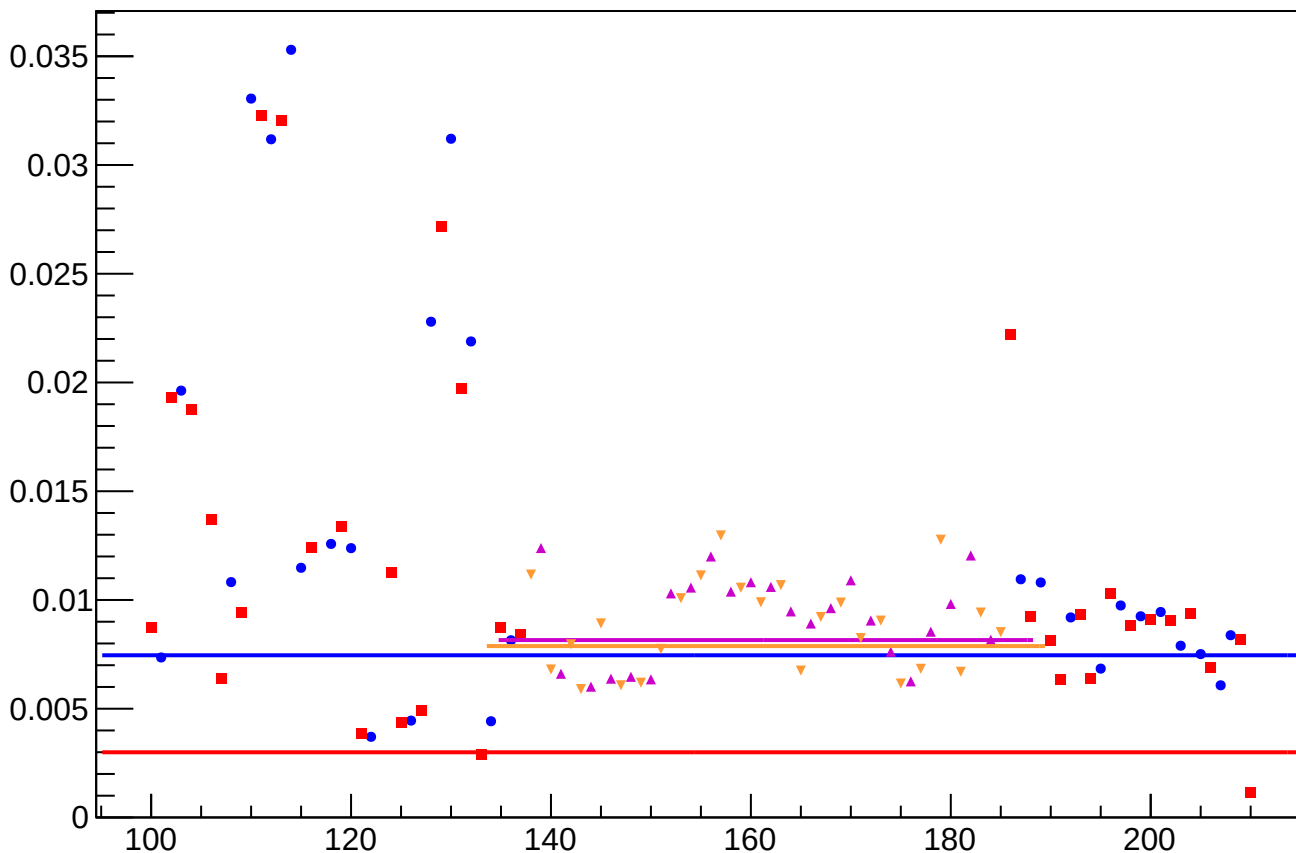
Left In: 0.000 ± 0.000 χ^2/NDF : 20.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 91.8/51

All: 0.000 ± 0.000 χ^2/NDF : 156.1/107

- sign 0.000 ± 0.000 χ^2/NDF : 62.5/55

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5427647.1/26

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 2076596.0/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 19122859.4/32

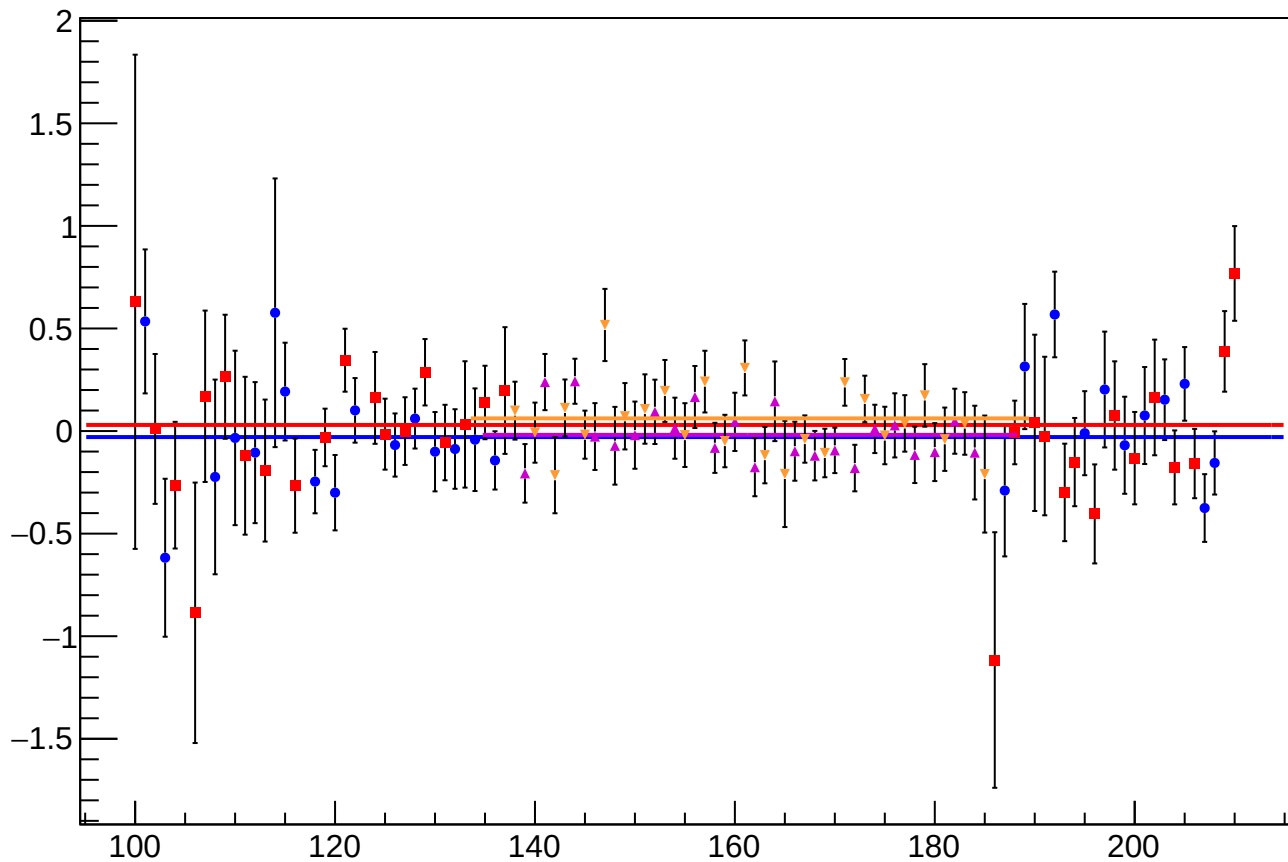
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2017677.5/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7549777.0/51

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 47778482.4/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 31547511.6/55

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029 ± 0.040 $\chi^2/\text{NDF}: 32.0/26$

Left Out: 0.062 ± 0.029 $\chi^2/\text{NDF}: 27.4/24$

Right Out: 0.030 ± 0.039 $\chi^2/\text{NDF}: 40.7/32$

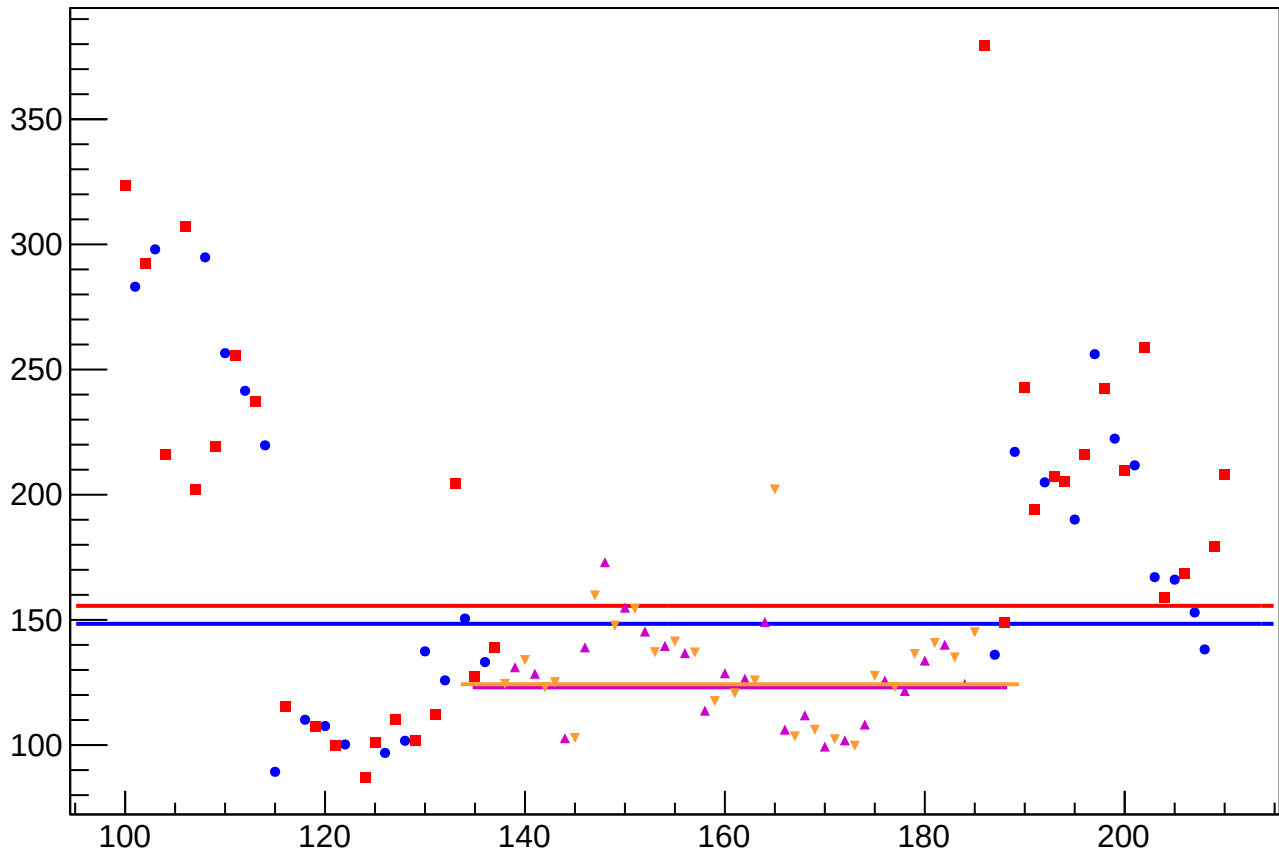
Left In: -0.019 ± 0.029 $\chi^2/\text{NDF}: 20.3/22$

+ sign 0.031 ± 0.023 $\chi^2/\text{NDF}: 62.9/51$

All: 0.015 ± 0.017 $\chi^2/\text{NDF}: 125.8/107$

- sign -0.001 ± 0.024 $\chi^2/\text{NDF}: 62.0/55$

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.426 $\pm$ 0.028 χ^2 /NDF: 3116687.3/26

Left Out: 124.292 $\pm$ 0.020 χ^2 /NDF:841035.9/24

Right Out: 155.613 $\pm$ 0.028 χ^2 /NDF: 3841247.4/32

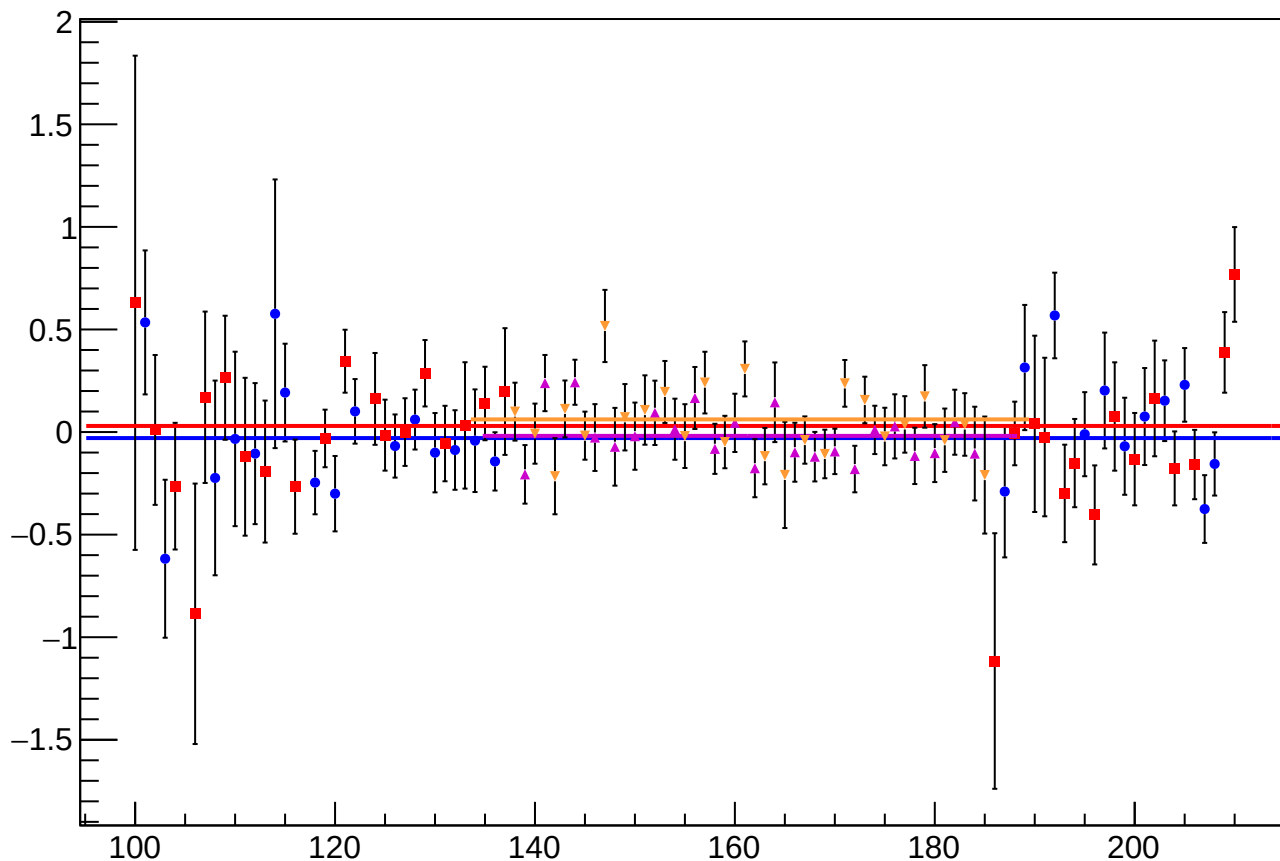
Left In: 123.062 $\pm$ 0.021 χ^2 /NDF:718844.3/22

+ sign 132.482 $\pm$ 0.016 χ^2 /NDF: 4438266.1/51

All: 133.571 $\pm$ 0.012 χ^2 /NDF: 9886485.5/107

- sign 134.681 $\pm$ 0.017 χ^2 /NDF: 5439399.6/55

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029 ± 0.040 χ^2/NDF : 32.0/26

Left Out: 0.062 ± 0.029 χ^2/NDF : 27.4/24

Right Out: 0.030 ± 0.039 χ^2/NDF : 40.7/32

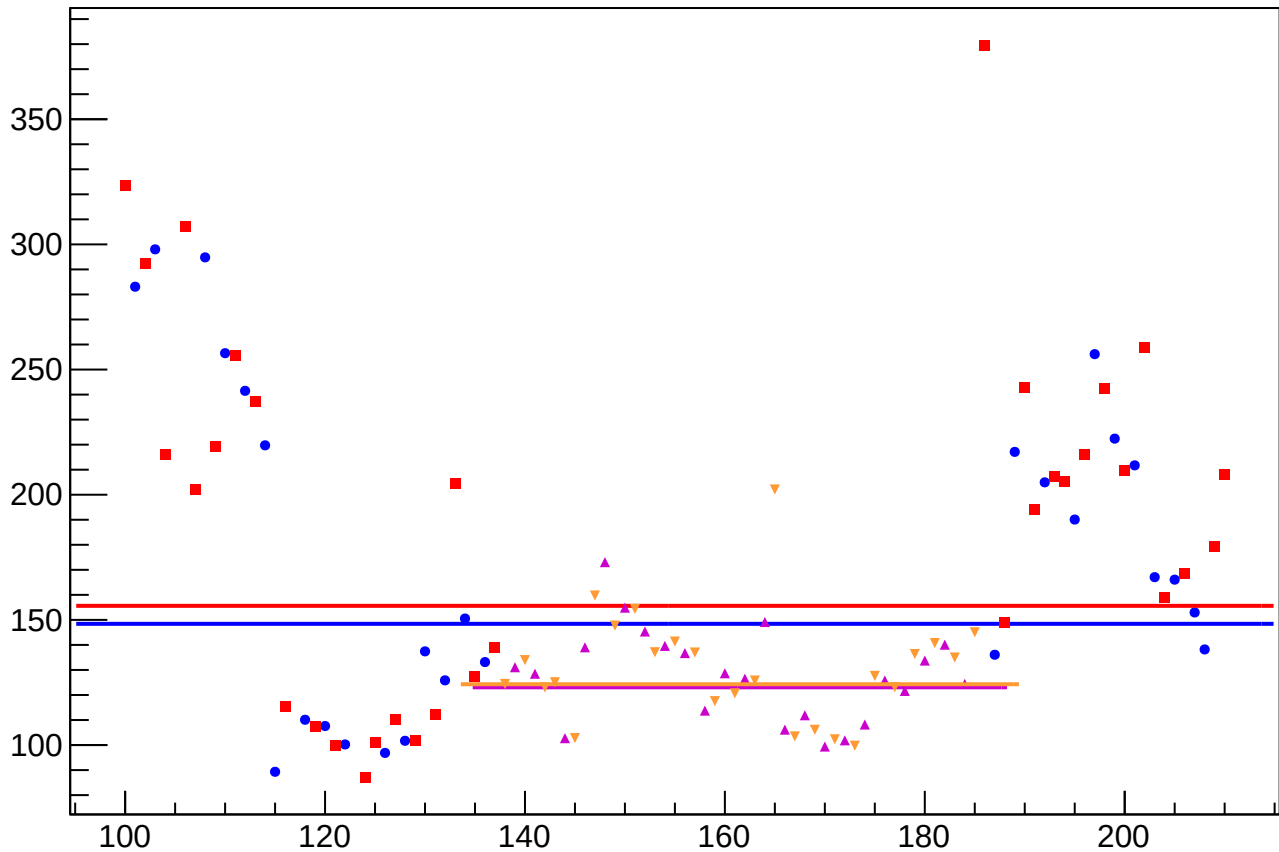
Left In: -0.019 ± 0.029 χ^2/NDF : 20.3/22

+ sign 0.031 ± 0.023 χ^2/NDF : 62.9/51

All: 0.015 ± 0.017 χ^2/NDF : 125.8/107

- sign -0.001 ± 0.024 χ^2/NDF : 62.0/55

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.426 $\pm$ 0.028 χ^2/NDF : 3116687.3/26

Left Out: 124.292 $\pm$ 0.020 χ^2/NDF : 841035.9/24

Right Out: 155.613 $\pm$ 0.028 χ^2/NDF : 3841247.4/32

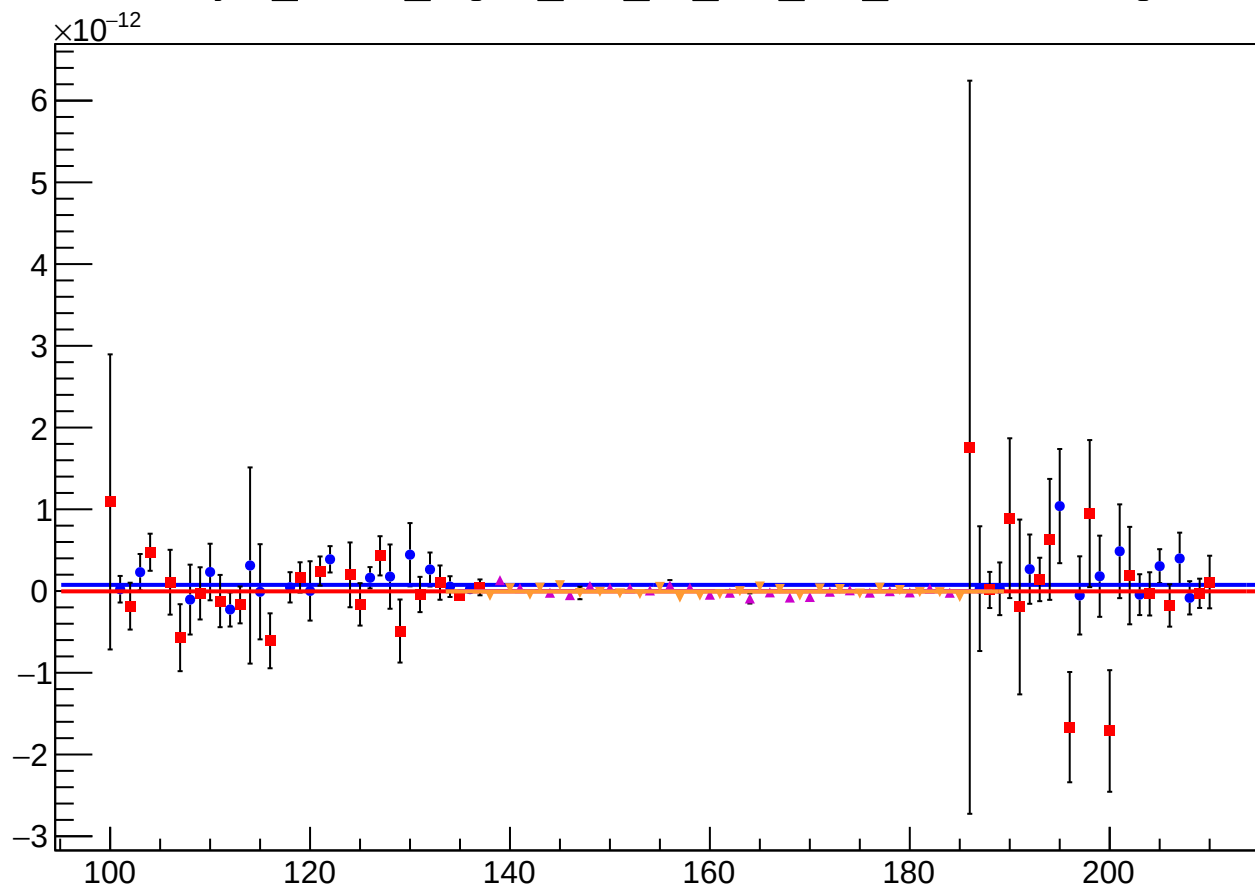
Left In: 123.062 $\pm$ 0.021 χ^2/NDF : 718844.3/22

+ sign 132.482 $\pm$ 0.016 χ^2/NDF : 4438266.1/51

All: 133.571 $\pm$ 0.012 χ^2/NDF : 9886485.5/107

- sign 134.681 $\pm$ 0.017 χ^2/NDF : 5439399.6/55

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 16.3/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 24.5/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 35.9/32

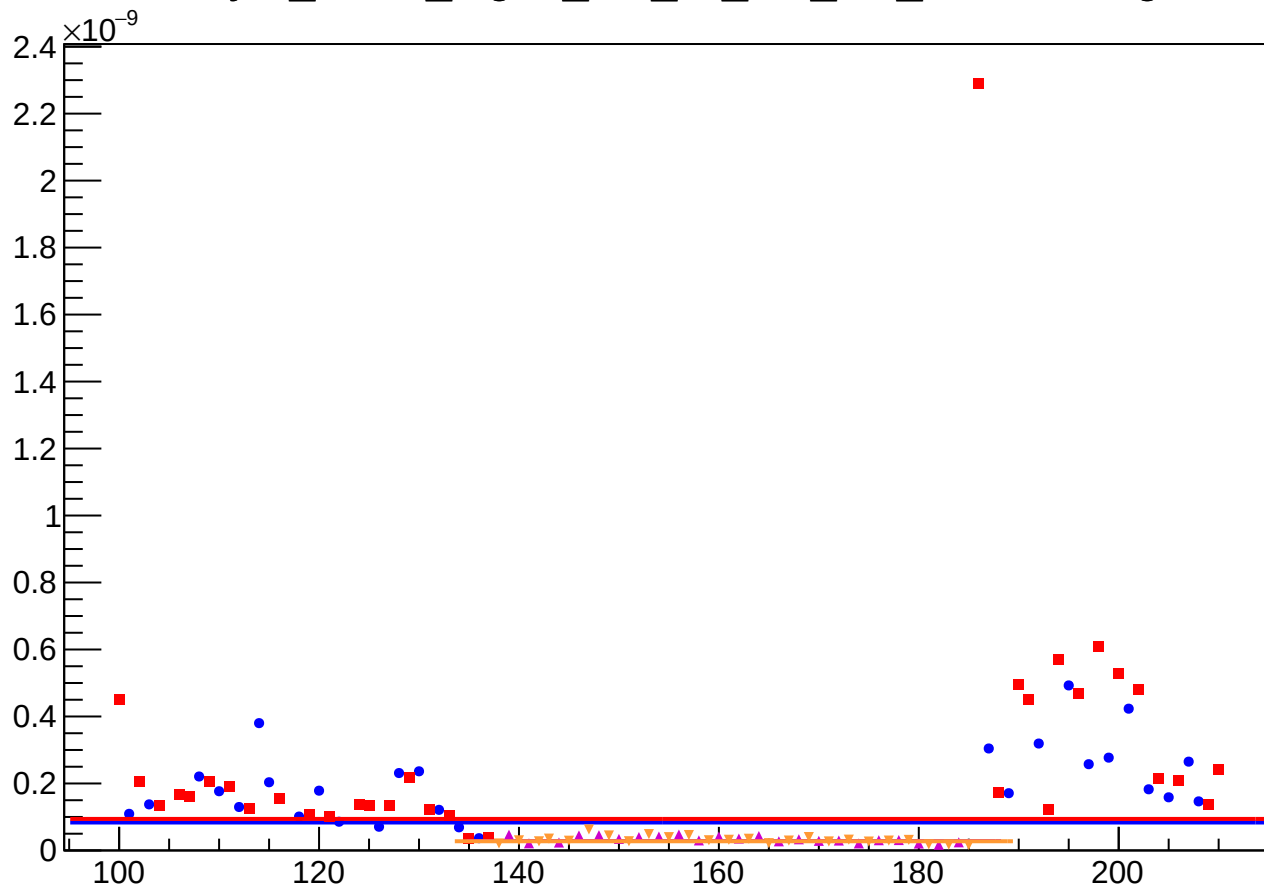
Left In: 0.000 ± 0.000 χ^2/NDF : 24.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 46.1/51

All: -0.000 ± 0.000 χ^2/NDF : 106.7/107

- sign -0.000 ± 0.000 χ^2/NDF : 60.6/55

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7921206.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10462232.8/32

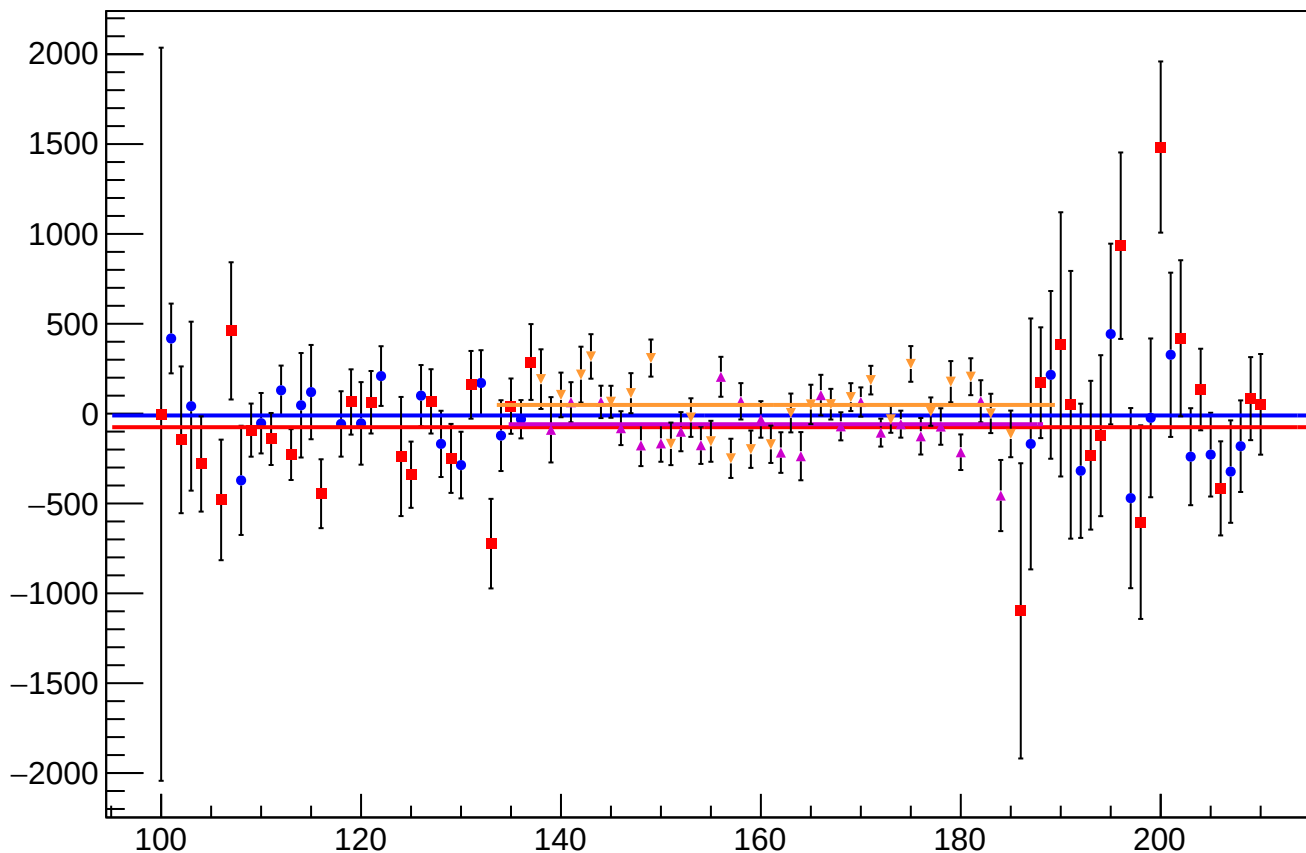
Left In: 0.000+/-0.000 χ^2/NDF : 2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 15492277.6/51

All: 0.000+/-0.000 χ^2/NDF : 34449983.8/107

- sign 0.000+/-0.000 χ^2/NDF : 18937382.5/55

reg_asym_sam3_mean vs Slug



Right In: -10.254 ± 41.877 χ^2/NDF : 20.7/26

Left Out: 48.392 ± 20.423 χ^2/NDF : 53.6/24

Right Out: -75.512 ± 41.343 χ^2/NDF : 48.8/32

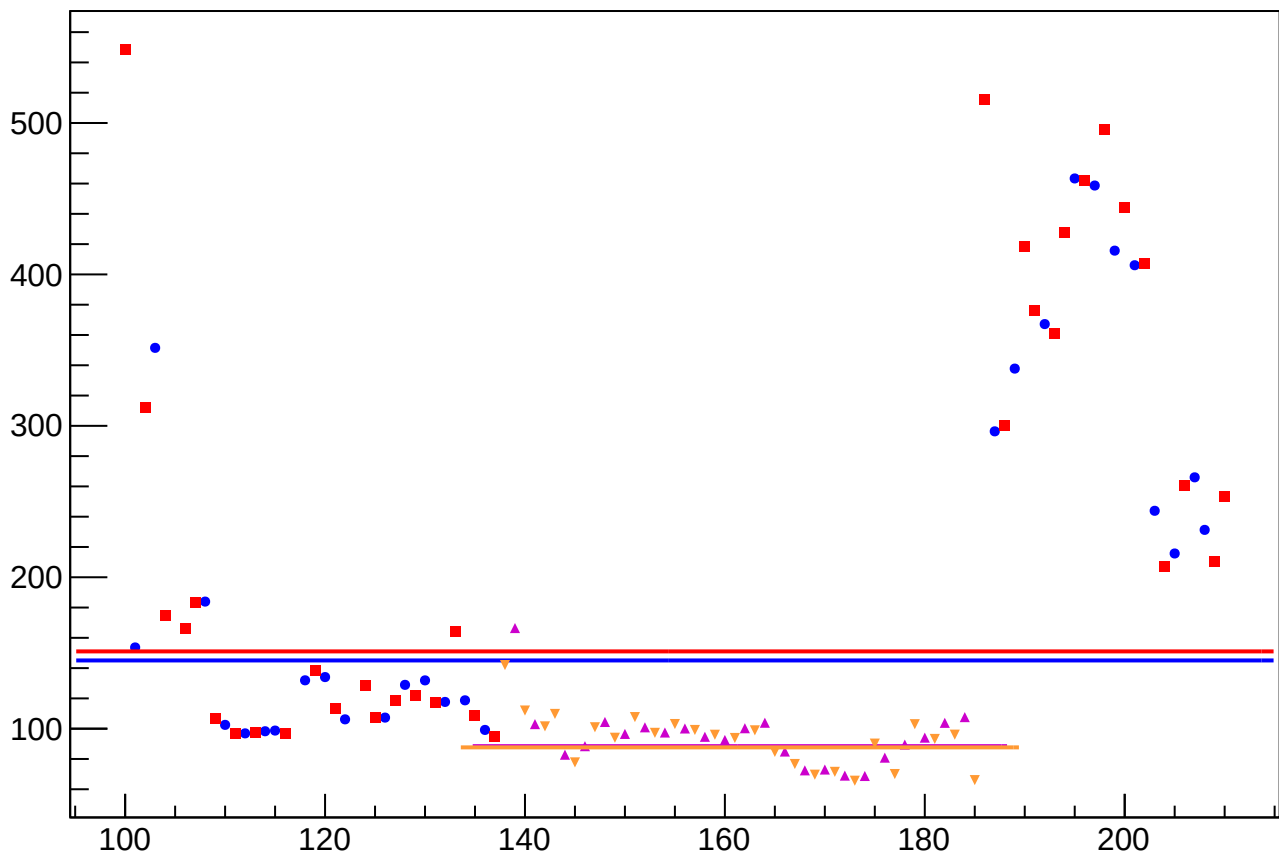
Left In: -59.014 ± 21.156 χ^2/NDF : 30.6/22

+ sign 37.124 ± 18.356 χ^2/NDF : 75.8/51

All: -11.380 ± 13.145 χ^2/NDF : 169.6/107

- sign -62.437 ± 18.833 χ^2/NDF : 79.5/55

reg_asym_sam3_rms vs Slug



Right In: 145.066 $\pm$ 0.030 χ^2 /NDF: 6780855.3/26

Left Out: 87.656 $\pm$ 0.014 χ^2 /NDF:1213284.3/24

Right Out: 151.043 $\pm$ 0.029 χ^2 /NDF: 8472846.1/32

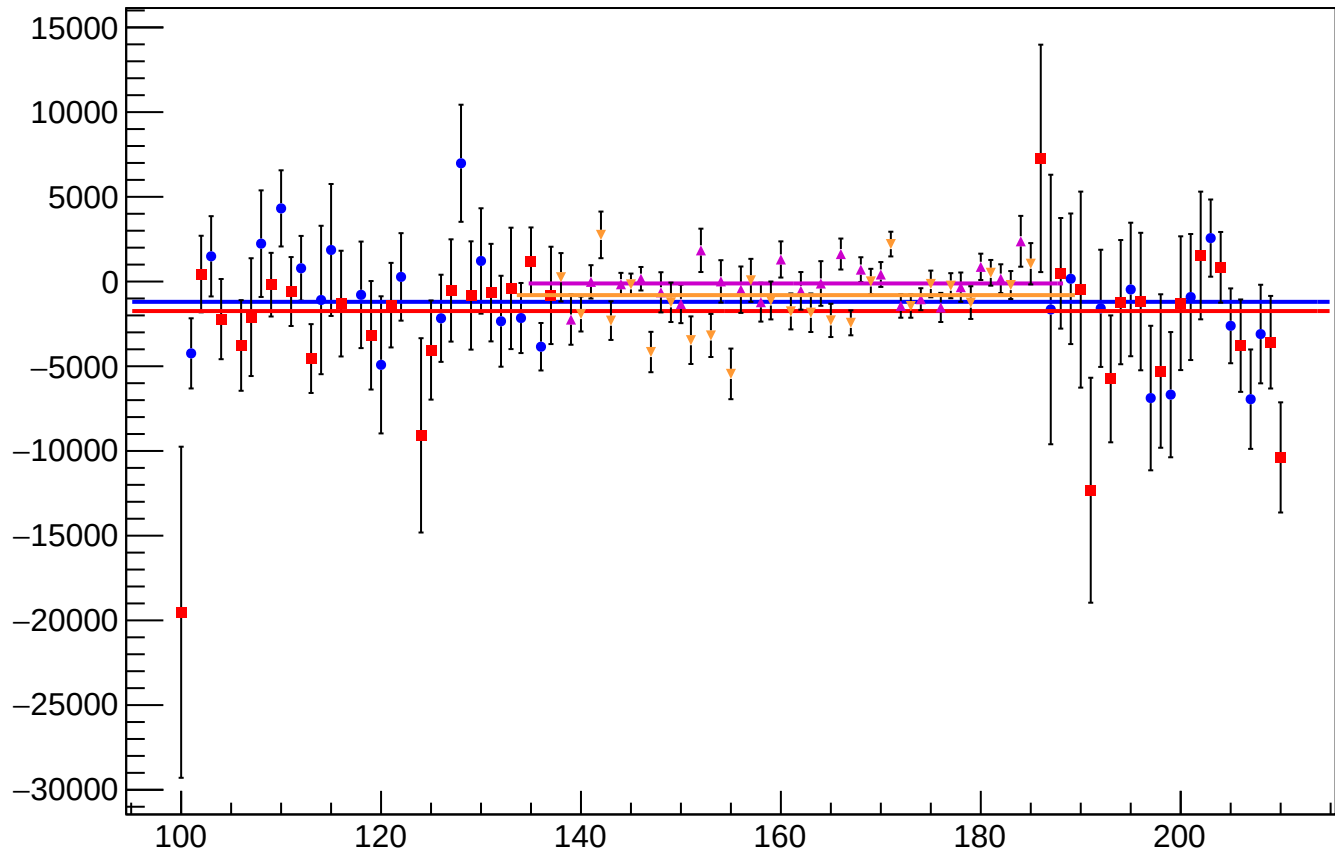
Left In: 88.482 $\pm$ 0.015 χ^2 /NDF:1075689.1/22

+ sign 98.687 $\pm$ 0.013 χ^2 /NDF: 11030852.0/51

All: 100.040 $\pm$ 0.009 χ^2 /NDF: 24230899.6/10

- sign 101.465 $\pm$ 0.013 χ^2 /NDF: 13177737.0/55

asym_sam3_reg_correction_mean vs Slug



Right In: -1197.888 ± 519.956 χ^2/NDF : 35.4/26

Left Out: -801.506 ± 187.755 χ^2/NDF : 71.9/24

Right Out: -1742.315 ± 512.203 χ^2/NDF : 30.1/32

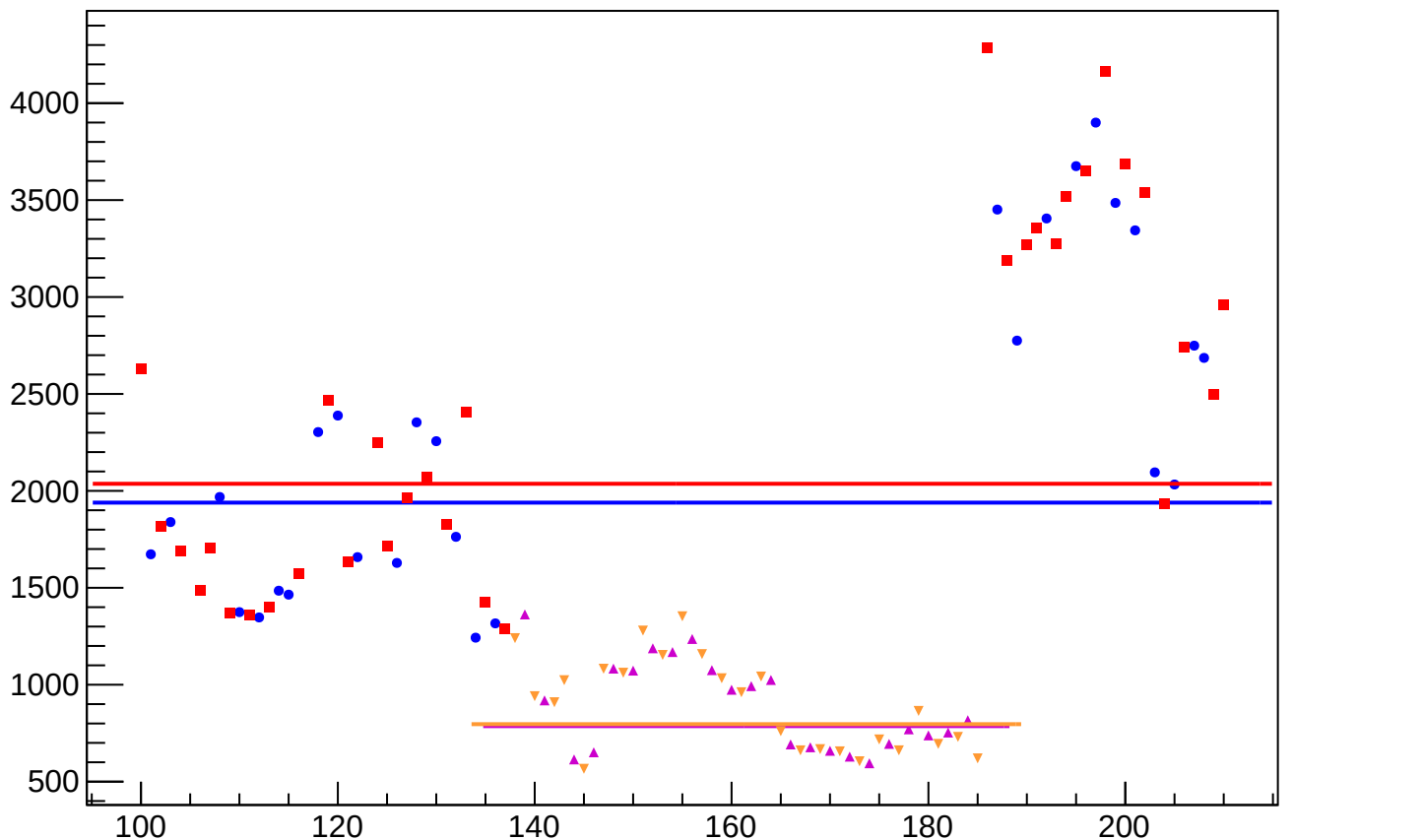
Left In: -112.483 ± 190.269 χ^2/NDF : 27.1/22

+ sign -847.229 ± 176.595 χ^2/NDF : 107.8/51

All: -581.345 ± 125.491 χ^2/NDF : 178.5/107

- sign -310.115 ± 178.361 χ^2/NDF : 66.1/55

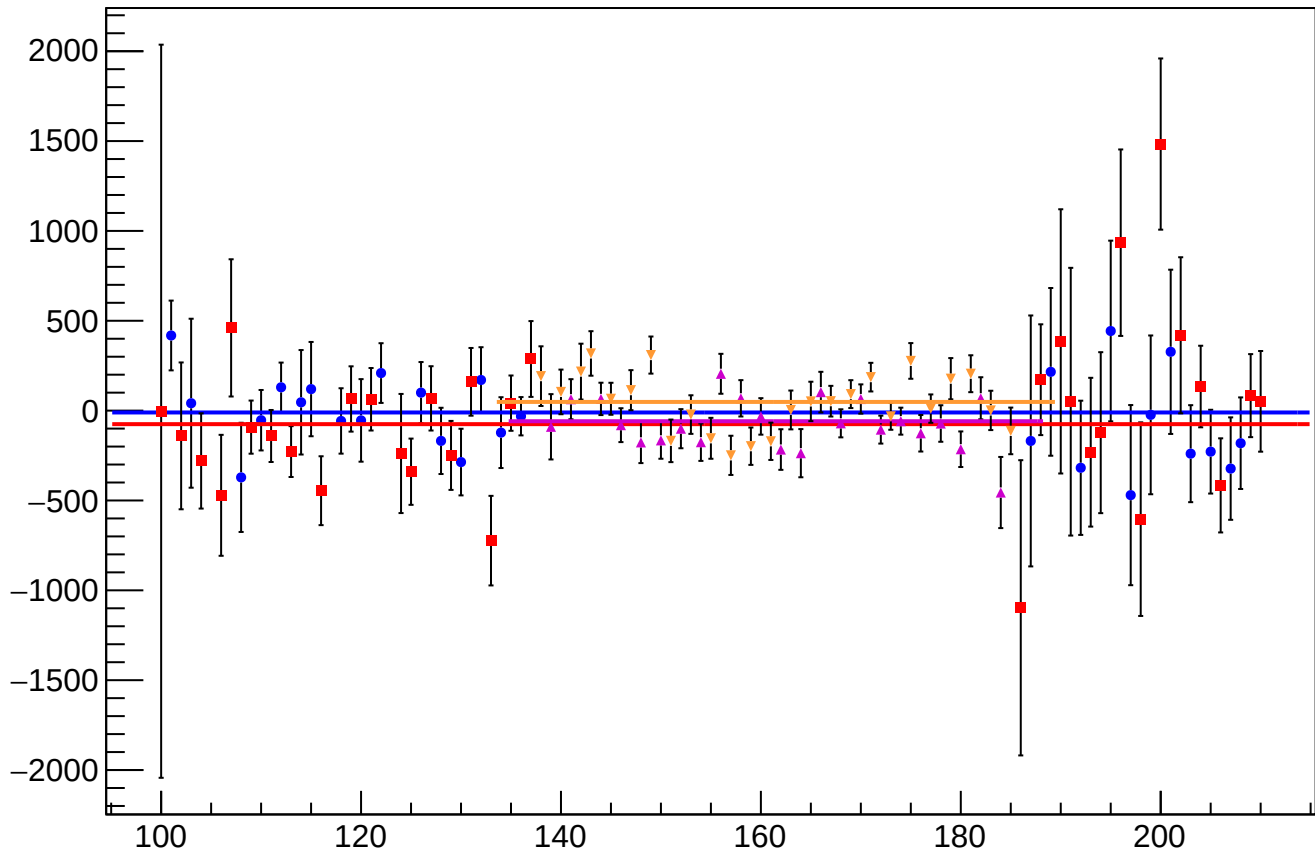
asym_sam3_reg_correction_rms vs Slug



Right In: 1939.354 ± 0.368 χ^2/NDF : 3460047.4/26
 Left Out: 796.524 ± 0.133 χ^2/NDF : 2417872.0/24
 Right Out: 2036.567 ± 0.362 χ^2/NDF : 4330992.0/32
 Left In: 786.336 ± 0.135 χ^2/NDF : 2156583.9/22

+ sign 928.350 ± 0.125 χ^2/NDF : 14425255.6/51
 All: 933.096 ± 0.089 χ^2/NDF : 31386735.8/10
 - sign 937.938 ± 0.126 χ^2/NDF : 16958561.9/55

cor_asym_sam3_mean vs Slug



Right In: -10.271 ± 41.877 χ^2/NDF : 20.7/26

Left Out: 48.399 ± 20.423 χ^2/NDF : 53.6/24

Right Out: -75.280 ± 41.346 χ^2/NDF : 48.7/32

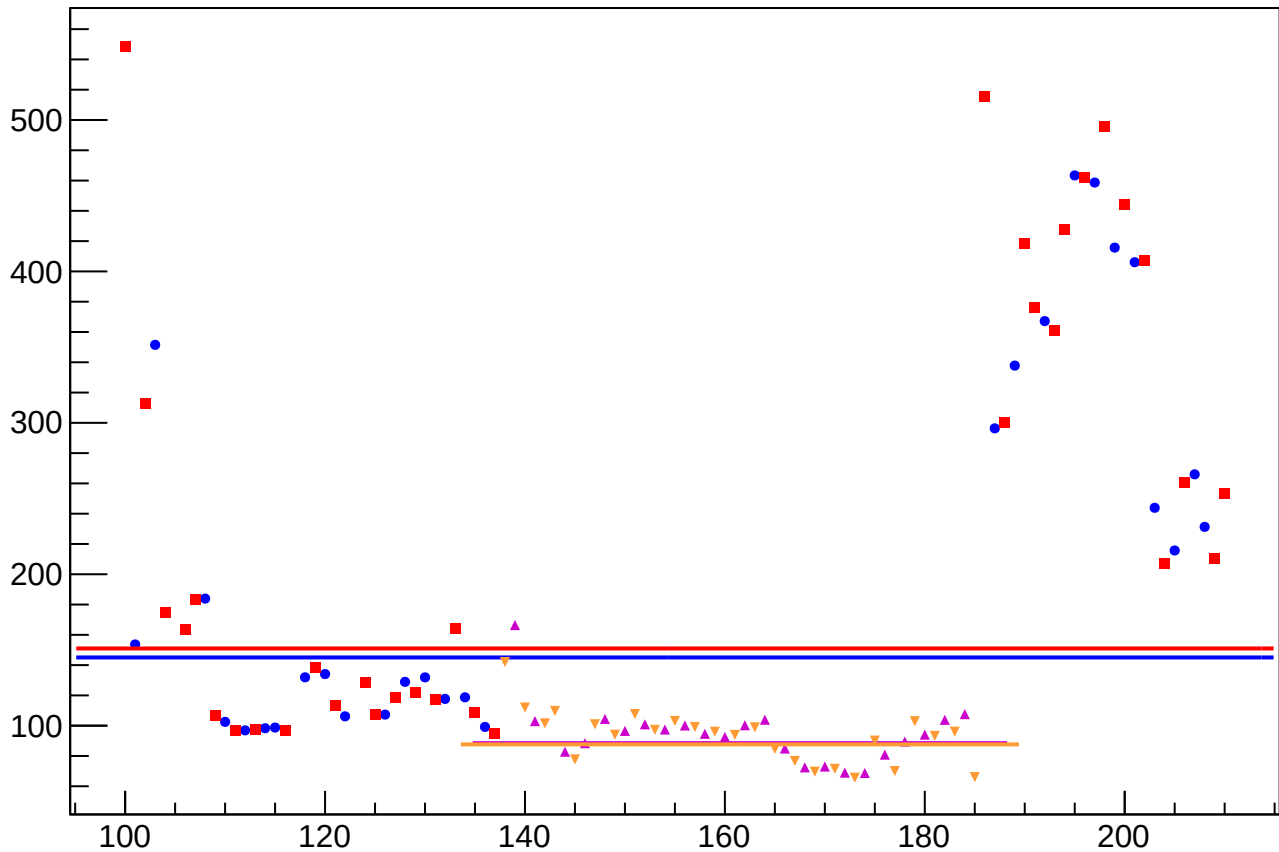
Left In: -59.016 ± 21.156 χ^2/NDF : 30.6/22

+ sign 37.126 ± 18.356 χ^2/NDF : 75.8/51

All: -11.355 ± 13.145 χ^2/NDF : 169.5/107

- sign -62.391 ± 18.834 χ^2/NDF : 79.4/55

cor_asym_sam3_rms vs Slug



Right In: 145.066 $\pm$ 0.030 χ^2 /NDF: 6780857.8/26

Left Out: 87.656 $\pm$ 0.014 χ^2 /NDF:1213284.3/24

Right Out: 151.004 $\pm$ 0.029 χ^2 /NDF: 8471770.7/32

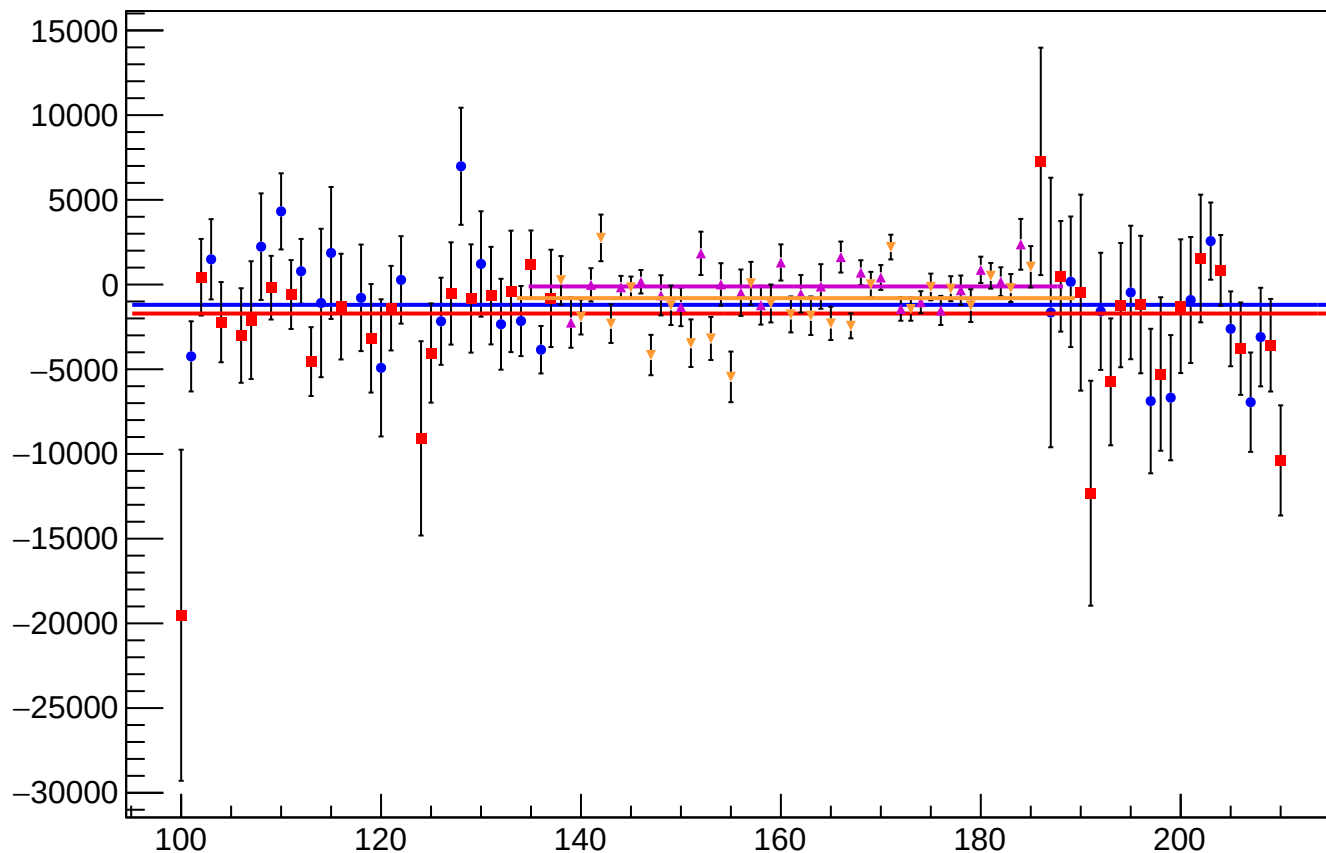
Left In: 88.482 $\pm$ 0.015 χ^2 /NDF:1075689.1/22

+ sign 98.687 $\pm$ 0.013 χ^2 /NDF: 11030853.6/51

All: 100.036 $\pm$ 0.009 χ^2 /NDF: 24224891.6/10

- sign 101.456 $\pm$ 0.013 χ^2 /NDF: 13171873.9/55

asym_sam3_cor_correction_mean vs Slug



Right In: -1197.882 ± 519.959 χ^2/NDF : 35.4/26

Left Out: -801.499 ± 187.755 χ^2/NDF : 71.9/24

Right Out: -1711.396 ± 512.987 χ^2/NDF : 29.7/32

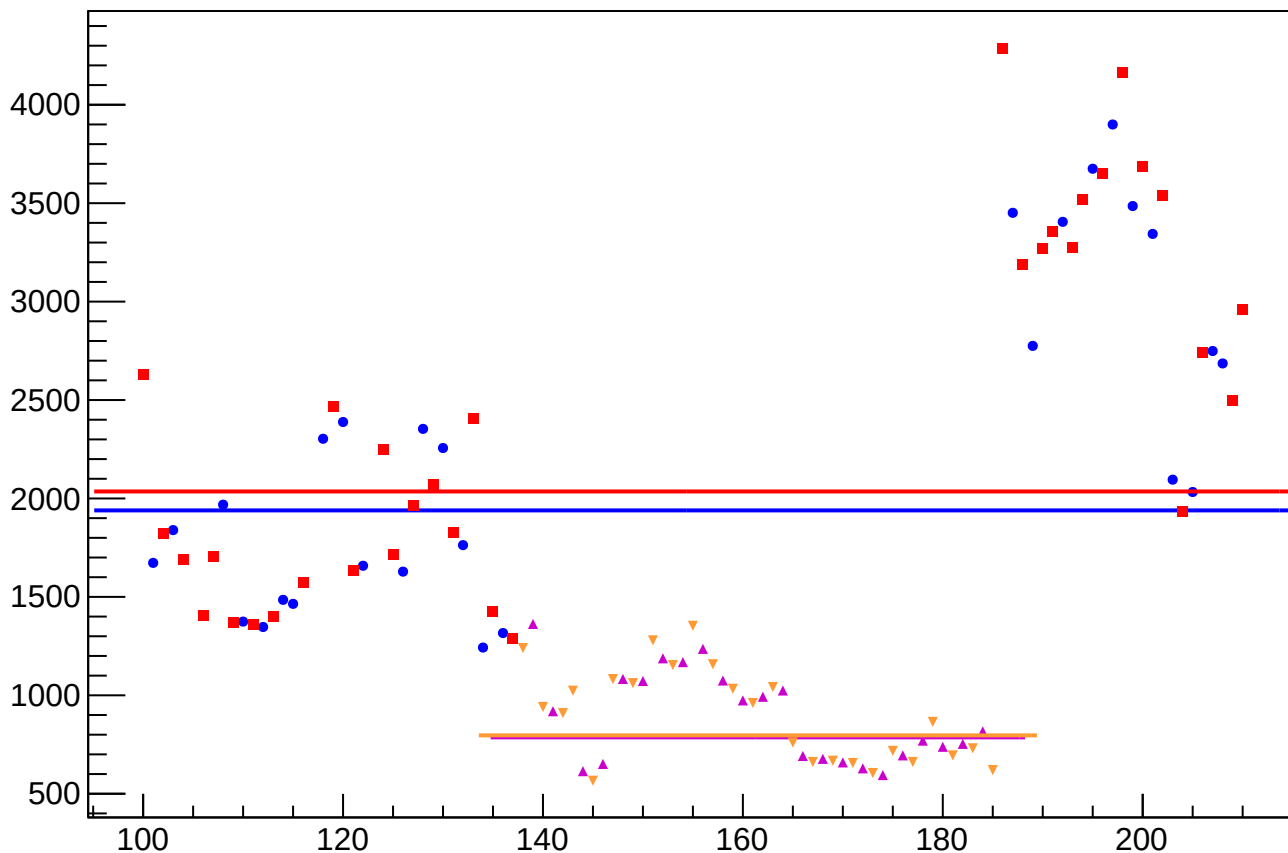
Left In: -112.485 ± 190.269 χ^2/NDF : 27.1/22

+ sign -847.221 ± 176.595 χ^2/NDF : 107.8/51

All: -579.278 ± 125.503 χ^2/NDF : 177.8/107

- sign -305.847 ± 178.394 χ^2/NDF : 65.3/55

asym_sam3_cor_correction_rms vs Slug



Right In: 1939.364 $\pm$ 0.368 χ^2 /NDF: 3460036.5/26

Left Out: 796.523 $\pm$ 0.133 χ^2 /NDF: 2417869.7/24

Right Out: 2035.557 $\pm$ 0.363 χ^2 /NDF: 4348438.1/32

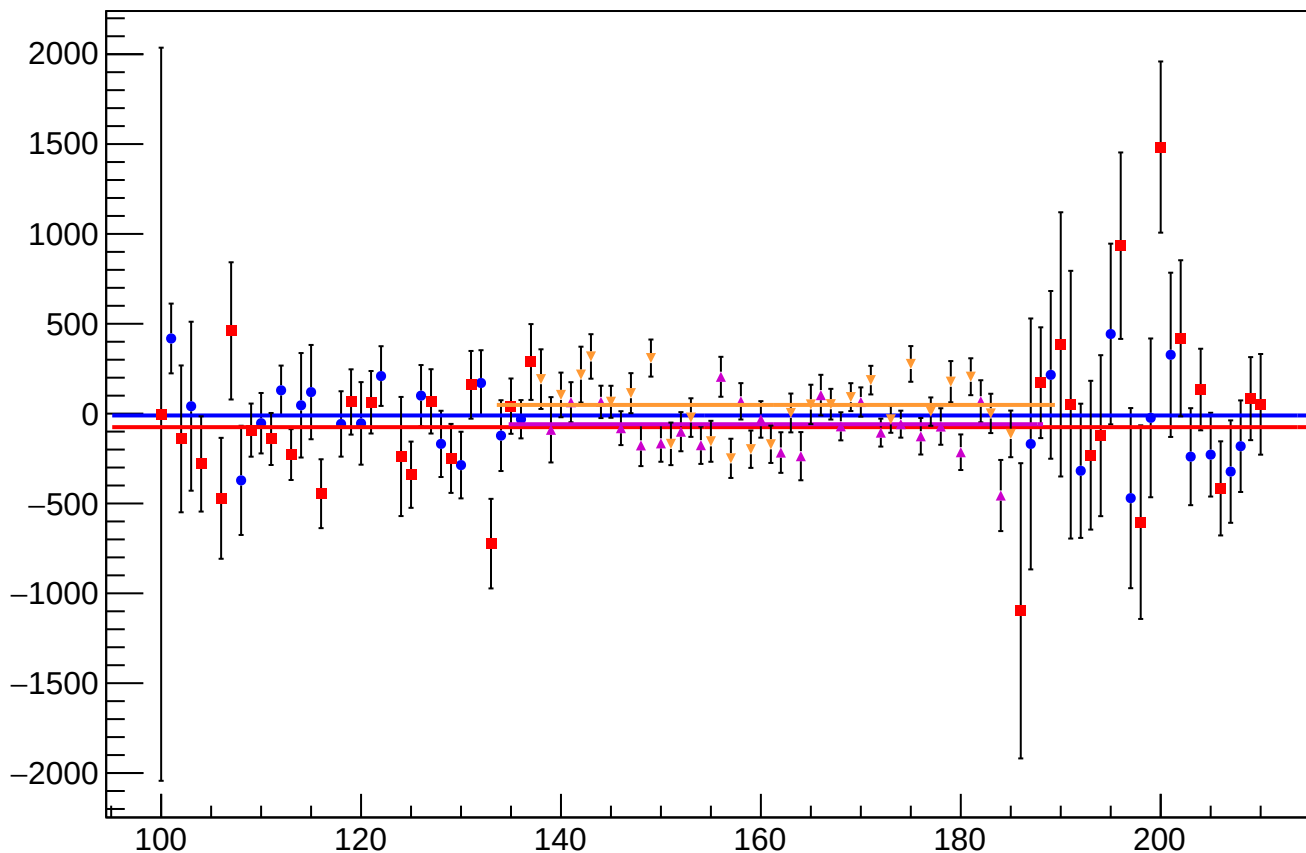
Left In: 786.336 $\pm$ 0.135 χ^2 /NDF: 2156582.1/22

+ sign 928.350 $\pm$ 0.125 χ^2 /NDF: 14425315.5/51

All: 932.833 $\pm$ 0.089 χ^2 /NDF: 31358948.2/10

- sign 937.409 $\pm$ 0.126 χ^2 /NDF: 16931027.9/55

eigen_cor_asym_sam3_mean vs Slug



Right In: -10.271 ± 41.877 χ^2/NDF : 20.7/26

Left Out: 48.399 ± 20.423 χ^2/NDF : 53.6/24

Right Out: -75.280 ± 41.346 χ^2/NDF : 48.7/32

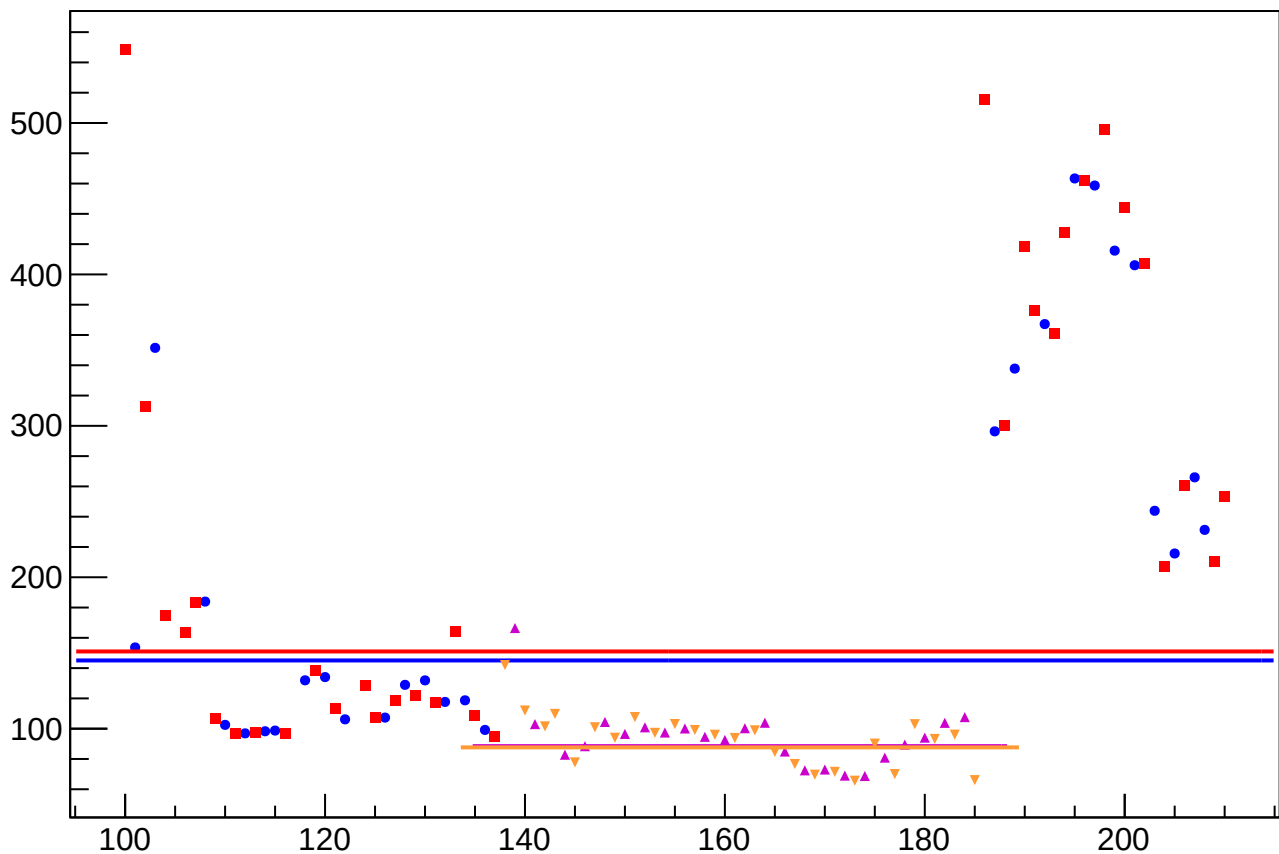
Left In: -59.016 ± 21.156 χ^2/NDF : 30.6/22

+ sign 37.126 ± 18.356 χ^2/NDF : 75.8/51

All: -11.355 ± 13.145 χ^2/NDF : 169.5/107

- sign -62.391 ± 18.834 χ^2/NDF : 79.4/55

eigen_cor_asym_sam3_rms vs Slug



Right In: 145.066 $\pm$ 0.030 χ^2 /NDF: 6780857.8/26

Left Out: 87.656 $\pm$ 0.014 χ^2 /NDF:1213284.3/24

Right Out: 151.004 $\pm$ 0.029 χ^2 /NDF: 8471770.7/32

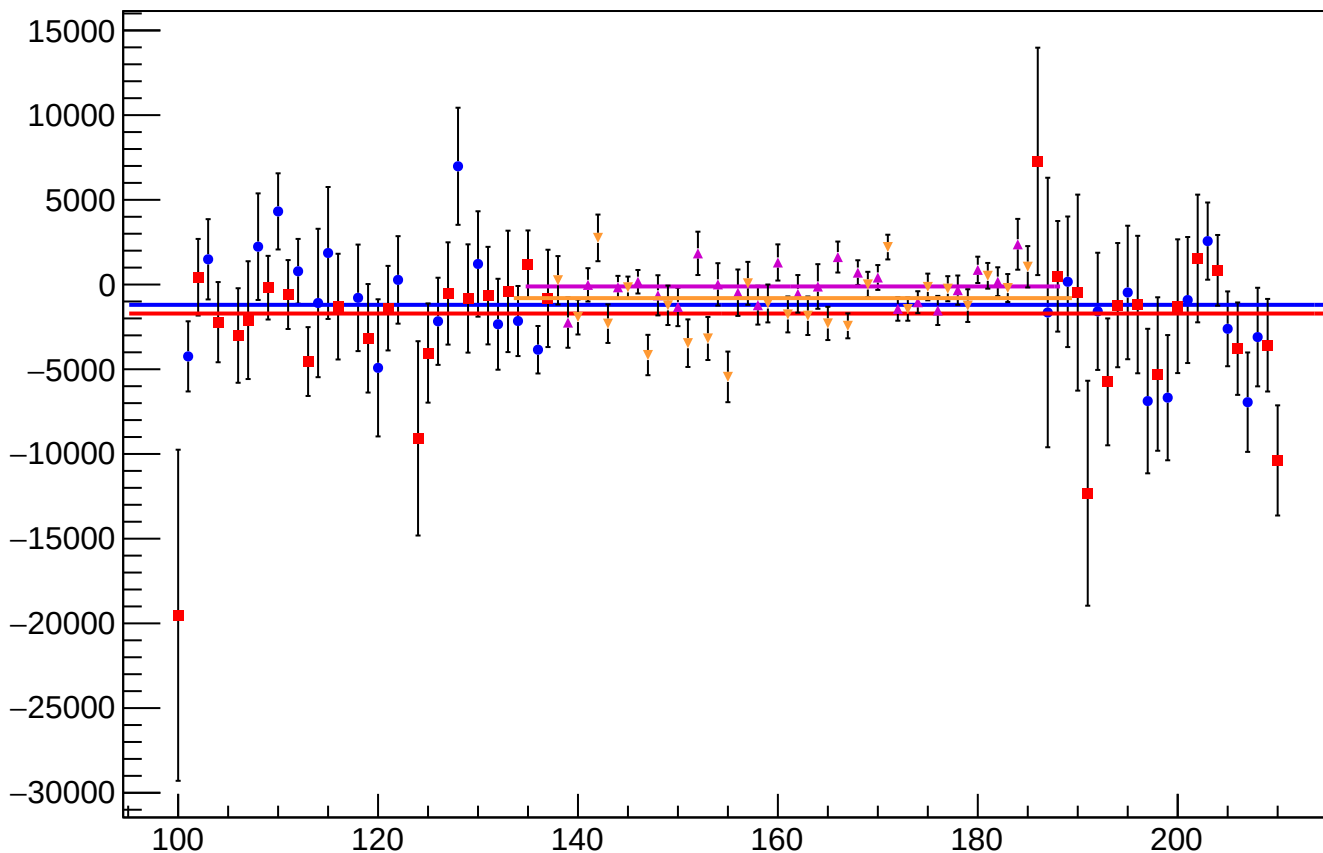
Left In: 88.482 $\pm$ 0.015 χ^2 /NDF:1075689.1/22

+ sign 98.687 $\pm$ 0.013 χ^2 /NDF: 11030853.6/51

All: 100.036 $\pm$ 0.009 χ^2 /NDF: 24224891.6/10

- sign 101.456 $\pm$ 0.013 χ^2 /NDF: 13171873.9/55

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -1197.882 ± 519.959 χ^2/NDF : 35.4/26

Left Out: -801.499 ± 187.755 χ^2/NDF : 71.9/24

Right Out: -1711.396 ± 512.987 χ^2/NDF : 29.7/32

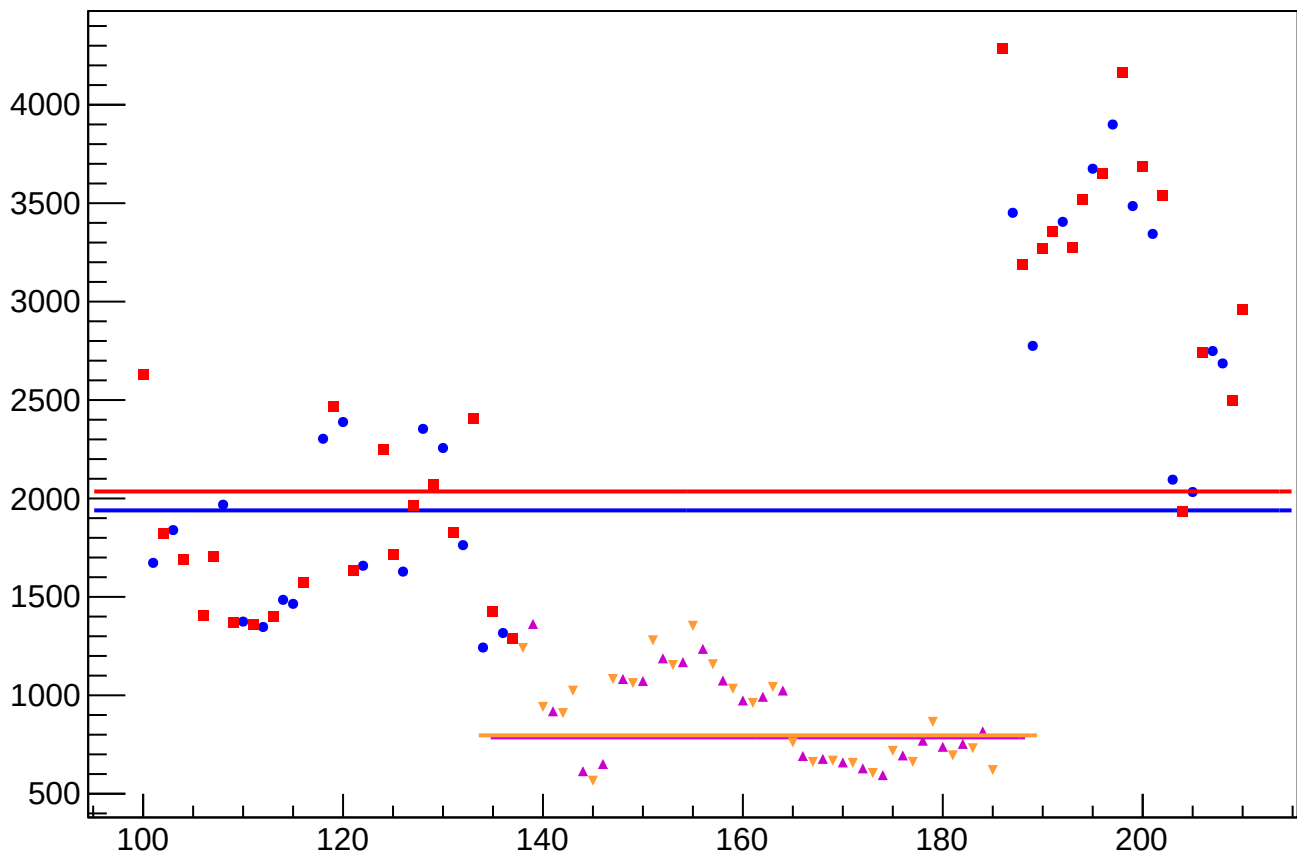
Left In: -112.485 ± 190.269 χ^2/NDF : 27.1/22

+ sign -847.221 ± 176.595 χ^2/NDF : 107.8/51

All: -579.278 ± 125.503 χ^2/NDF : 177.8/107

- sign -305.847 ± 178.394 χ^2/NDF : 65.3/55

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1939.364 $\pm$ 0.368 χ^2 /NDF: 3460036.5/26

Left Out: 796.523 $\pm$ 0.133 χ^2 /NDF: 2417869.7/24

Right Out: 2035.557 $\pm$ 0.363 χ^2 /NDF: 4348438.1/32

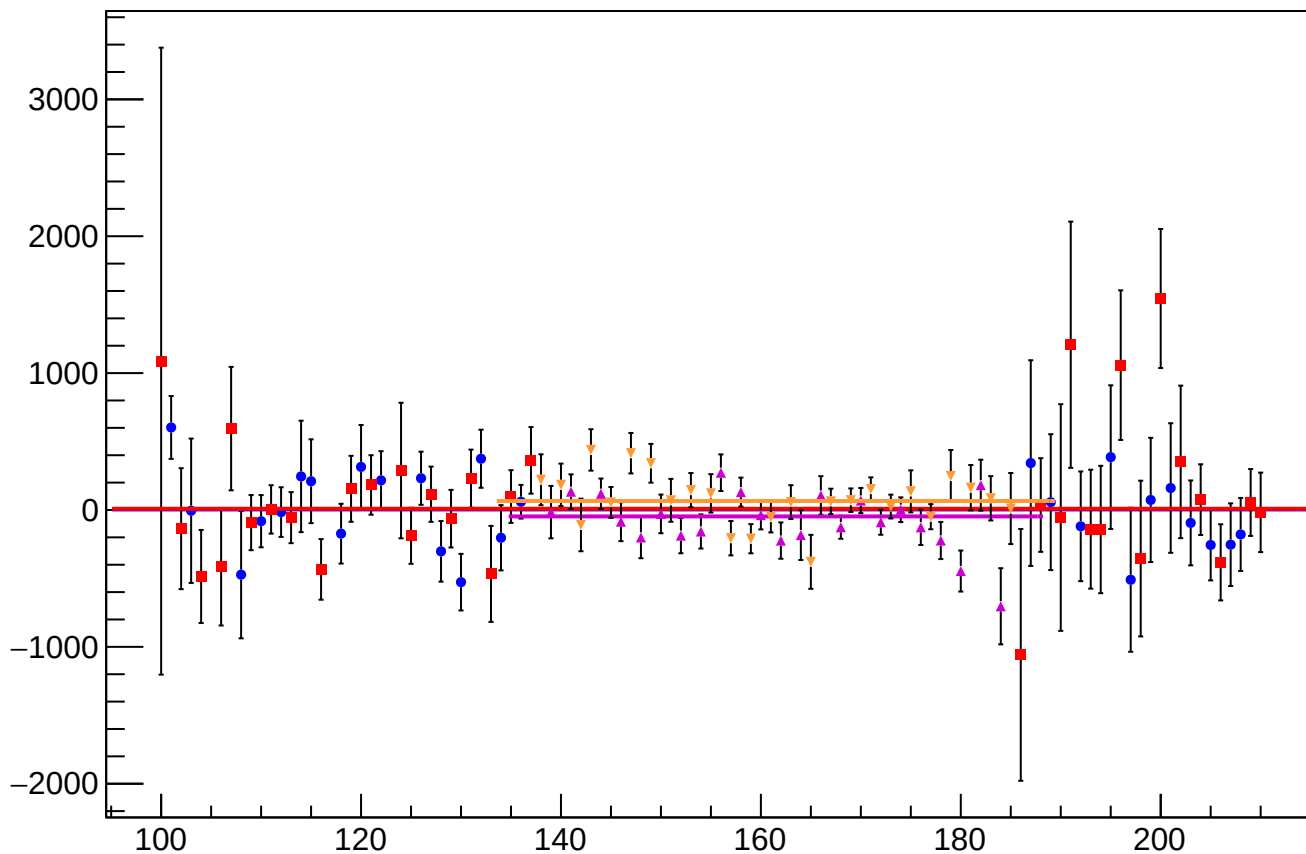
Left In: 786.336 $\pm$ 0.135 χ^2 /NDF: 2156582.1/22

+ sign 928.350 $\pm$ 0.125 χ^2 /NDF: 14425315.5/51

All: 932.833 $\pm$ 0.089 χ^2 /NDF: 31358948.2/10

- sign 937.409 $\pm$ 0.126 χ^2 /NDF: 16931027.9/55

dit_asym_sam3_mean vs Slug



Right In: 4.243 ± 49.347 χ^2/NDF : 29.7/26

Left Out: 65.702 ± 25.059 χ^2/NDF : 40.0/24

Right Out: 8.751 ± 49.372 χ^2/NDF : 36.4/32

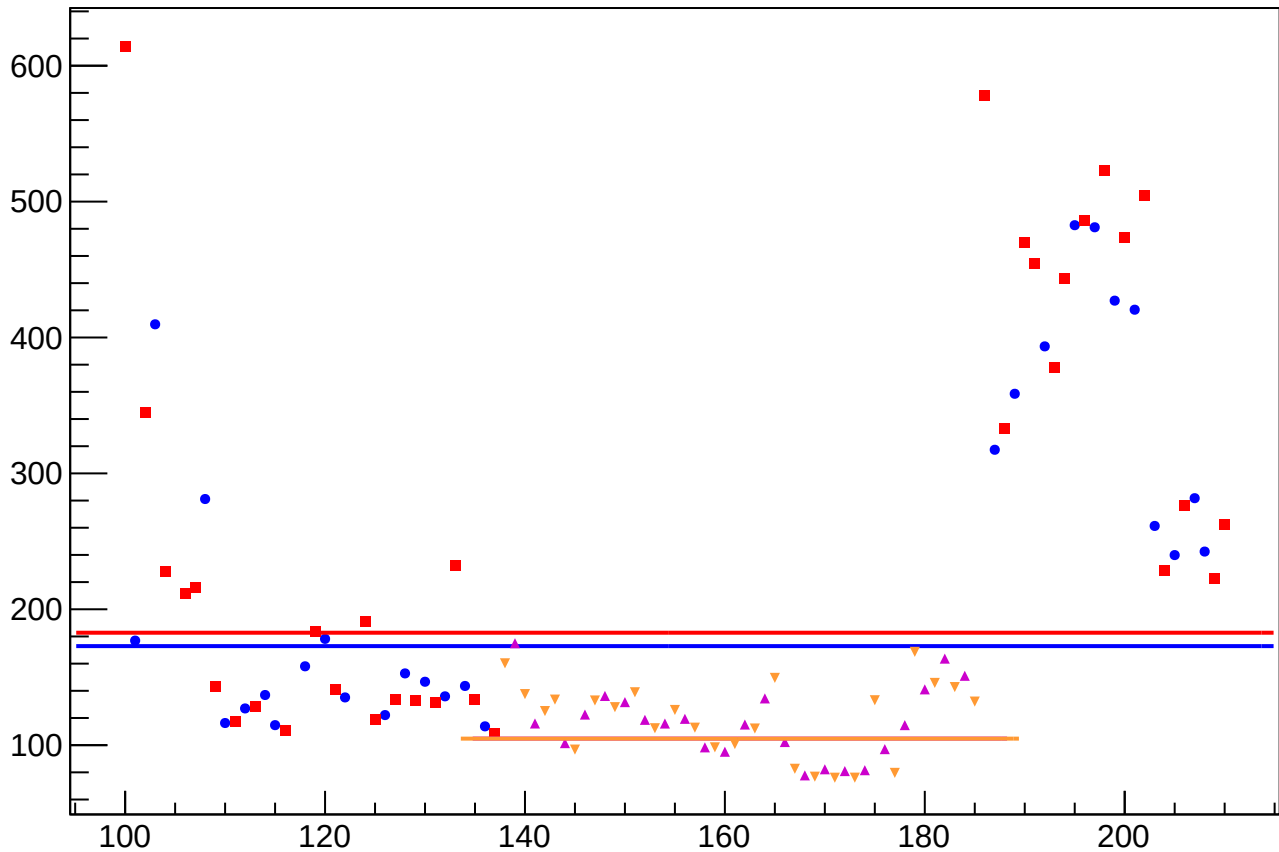
Left In: -47.039 ± 25.696 χ^2/NDF : 38.6/22

+ sign 53.102 ± 22.343 χ^2/NDF : 71.0/51

All: 9.858 ± 15.956 χ^2/NDF : 154.7/107

- sign -35.148 ± 22.794 χ^2/NDF : 76.1/55

dit_asym_sam3_rms vs Slug



Right In: 172.892 $\pm$ 0.035 χ^2 /NDF: 5924687.5/26

Left Out: 104.810 $\pm$ 0.018 χ^2 /NDF: 2242795.3/24

Right Out: 182.748 $\pm$ 0.035 χ^2 /NDF: 7453418.7/32

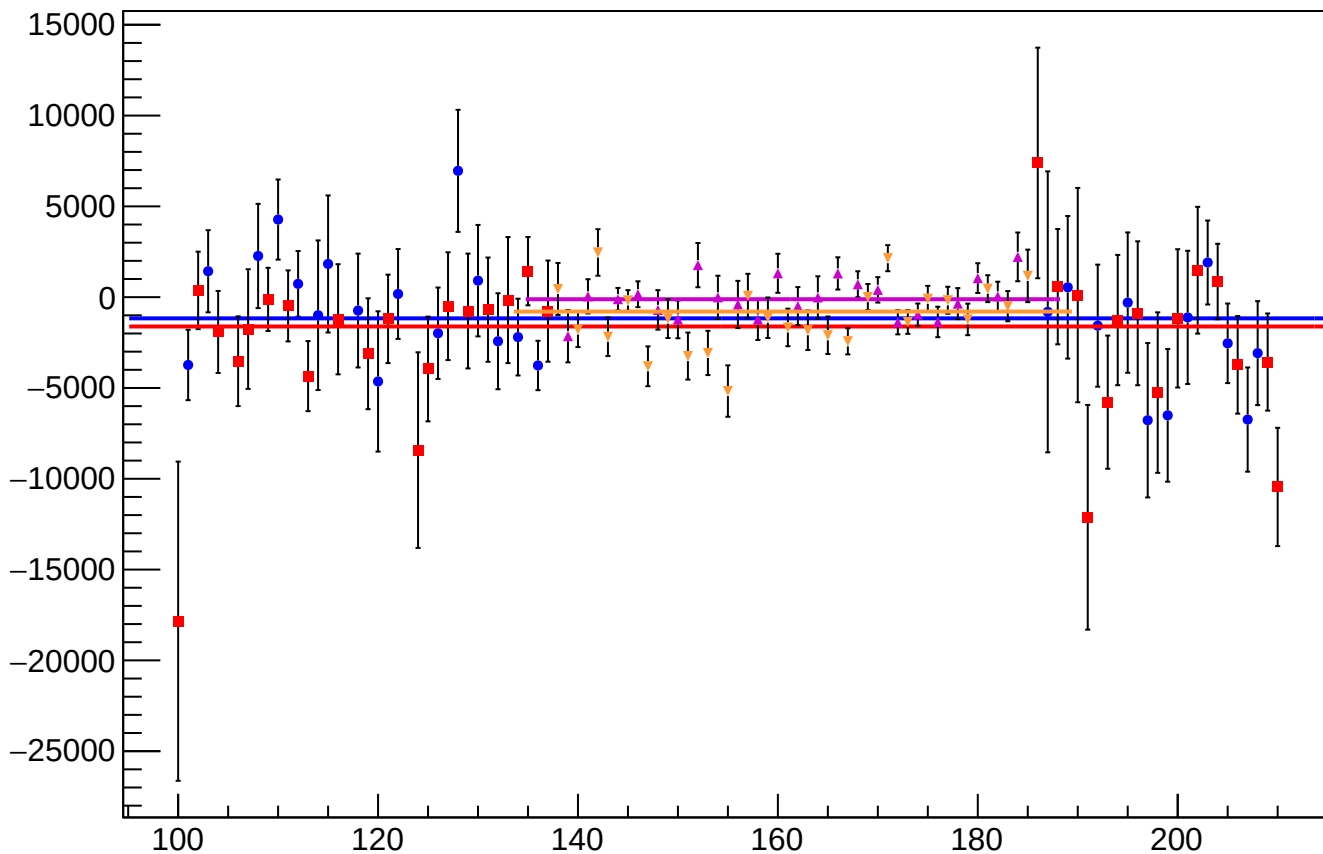
Left In: 104.835 $\pm$ 0.018 χ^2 /NDF: 1614476.5/22

+ sign 118.768 $\pm$ 0.016 χ^2 /NDF: 11193944.3/51

All: 120.078 $\pm$ 0.011 χ^2 /NDF: 24194948.6/10

- sign 121.441 $\pm$ 0.016 χ^2 /NDF: 12986973.2/55

asym_sam3_dit_correction_mean vs Slug



Right In: -1166.594 ± 506.519 χ^2/NDF : 34.5/26

Left Out: -793.070 ± 179.897 χ^2/NDF : 70.0/24

Right Out: -1614.123 ± 492.943 χ^2/NDF : 31.9/32

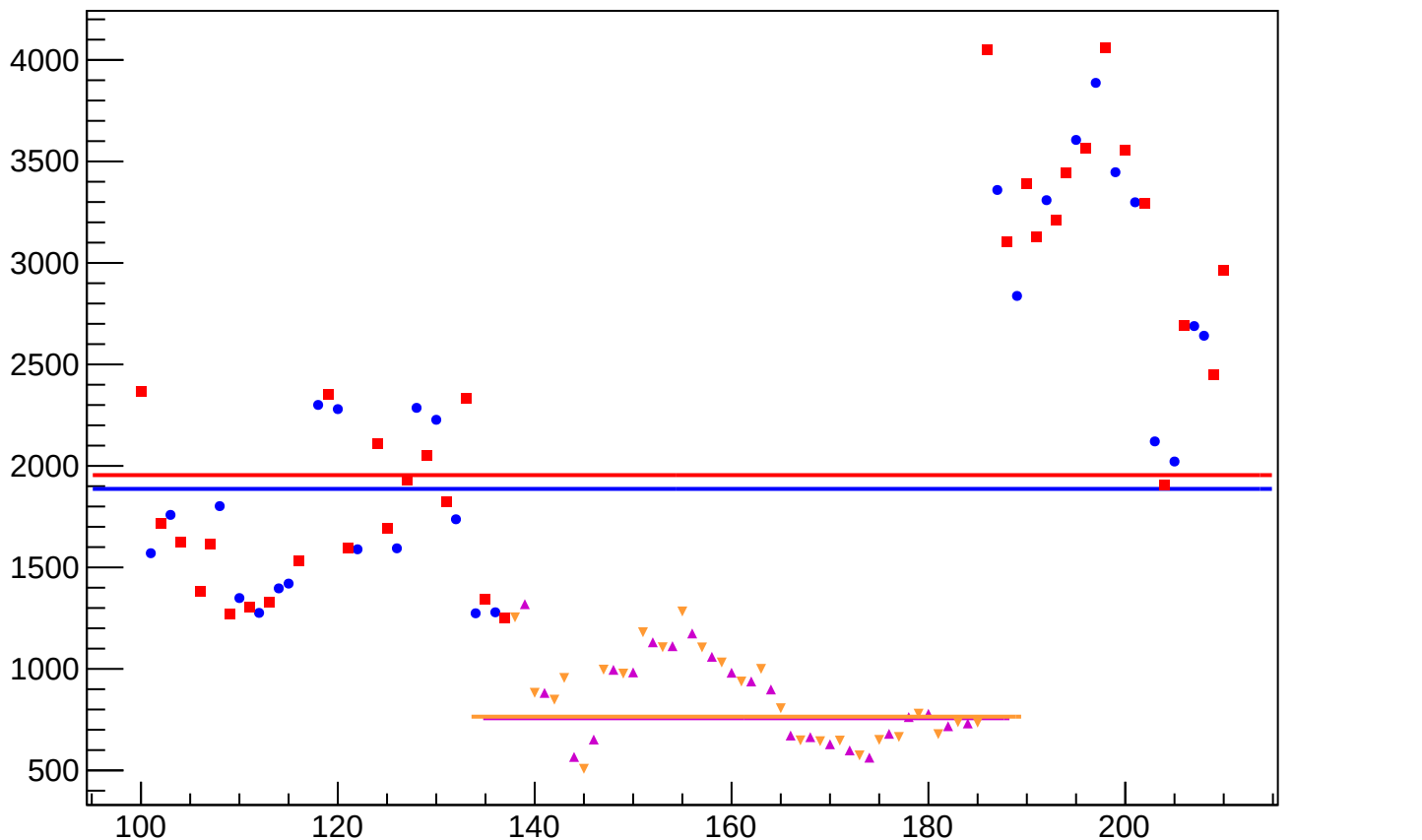
Left In: -113.680 ± 183.126 χ^2/NDF : 26.3/22

+ sign -834.909 ± 169.522 χ^2/NDF : 105.0/51

All: -568.659 ± 120.620 χ^2/NDF : 176.4/107

- sign -295.641 ± 171.663 χ^2/NDF : 66.4/55

asym_sam3_dit_correction_rms vs Slug



Right In: 1886.763 ± 0.358 χ^2/NDF : 3577697.7/26

Left Out: 764.734 ± 0.127 χ^2/NDF : 2425556.5/24

Right Out: 1954.621 ± 0.349 χ^2/NDF : 4538950.5/32

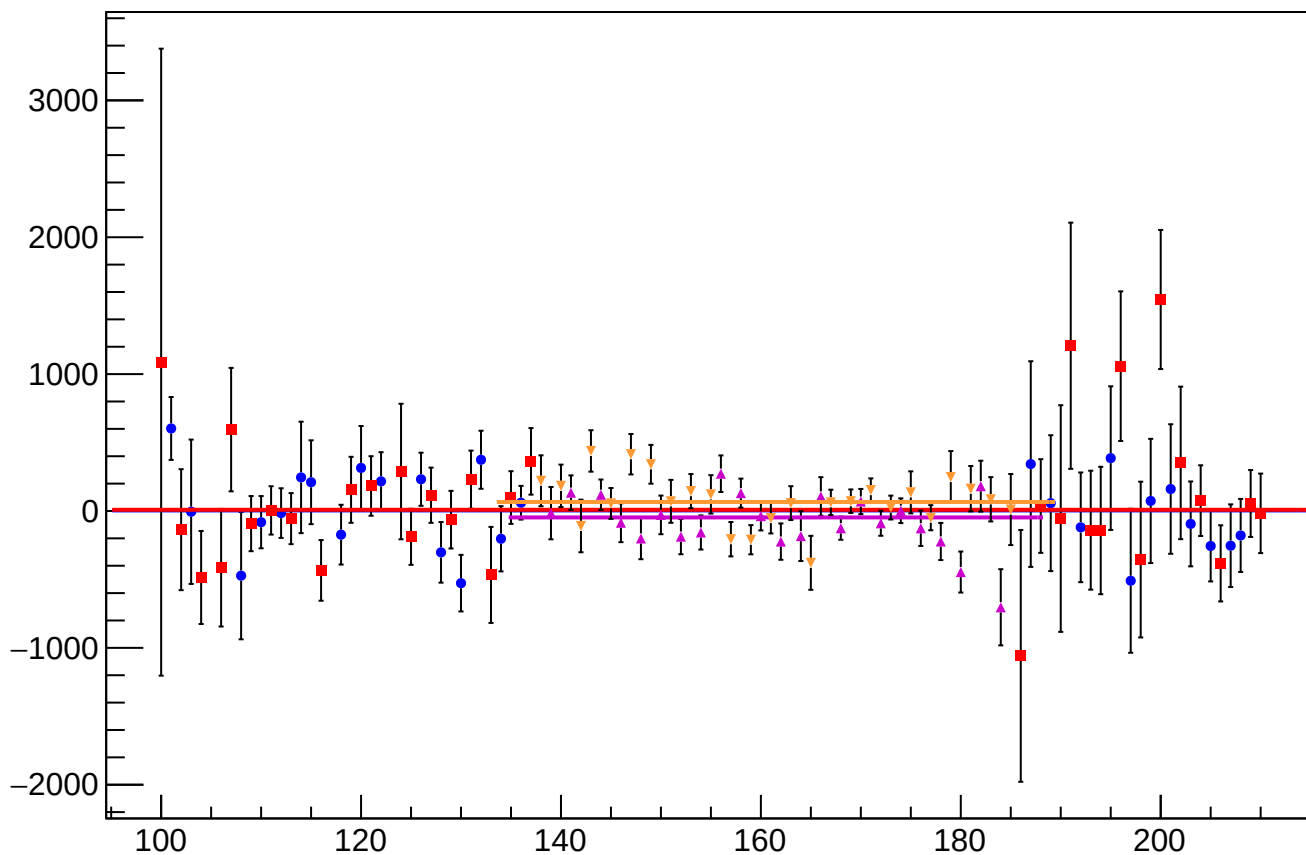
Left In: 756.927 ± 0.129 χ^2/NDF : 2115280.1/22

+ sign 890.414 ± 0.120 χ^2/NDF : 14717981.0/51

All: 896.220 ± 0.085 χ^2/NDF : 31751848.5/10

- sign 902.173 ± 0.121 χ^2/NDF : 17029116.3/55

eigen_dit_asym_sam3_mean vs Slug



Right In: 4.243 ± 49.347 χ^2/NDF : 29.7/26

Left Out: 65.703 ± 25.059 χ^2/NDF : 40.0/24

Right Out: 8.755 ± 49.373 χ^2/NDF : 36.4/32

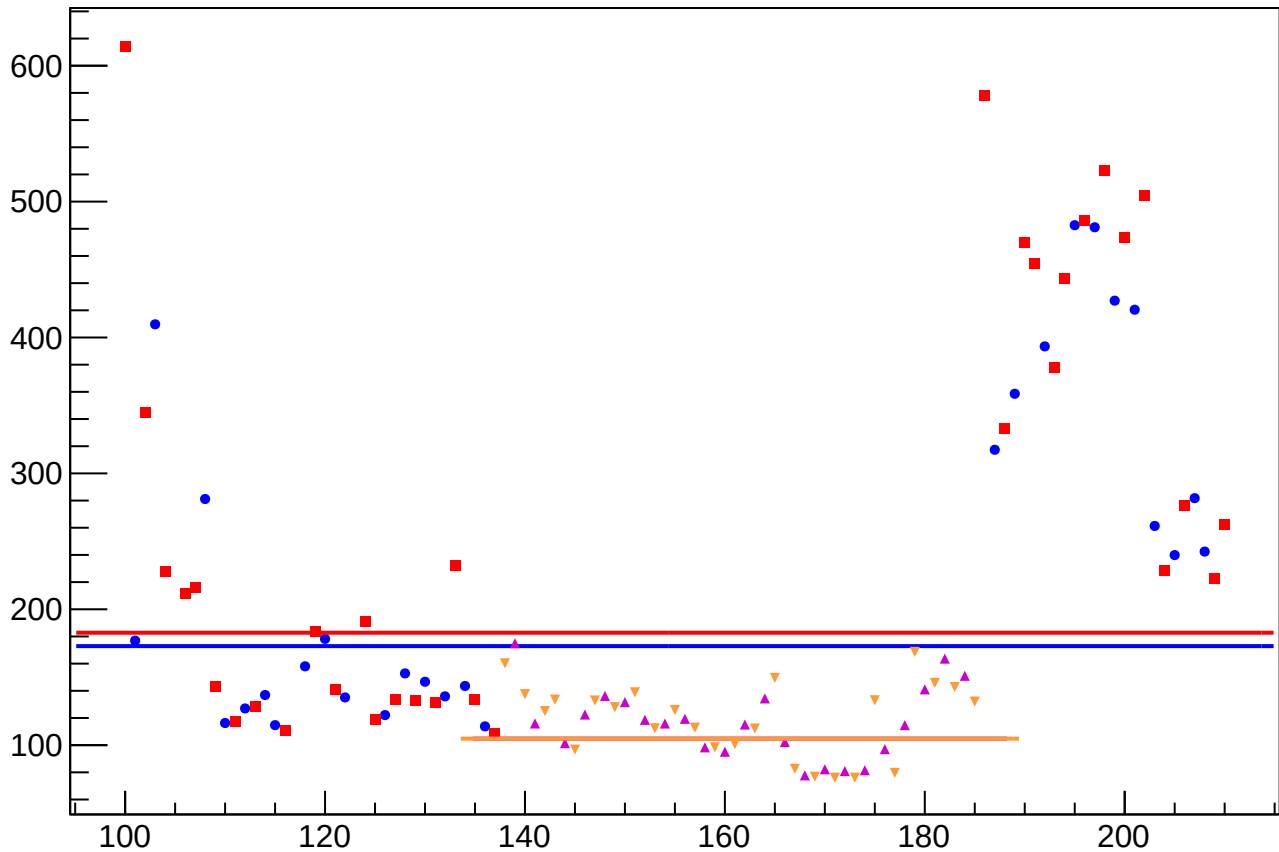
Left In: -47.038 ± 25.696 χ^2/NDF : 38.6/22

+ sign 53.103 ± 22.343 χ^2/NDF : 71.0/51

All: 9.859 ± 15.956 χ^2/NDF : 154.7/107

- sign -35.146 ± 22.794 χ^2/NDF : 76.1/55

eigen_dit_asym_sam3_rms vs Slug



Right In: 172.892 $\pm$ 0.035 χ^2 /NDF: 5924677.6/26

Left Out: 104.810 $\pm$ 0.018 χ^2 /NDF: 2242815.0/24

Right Out: 182.749 $\pm$ 0.035 χ^2 /NDF: 7453399.3/32

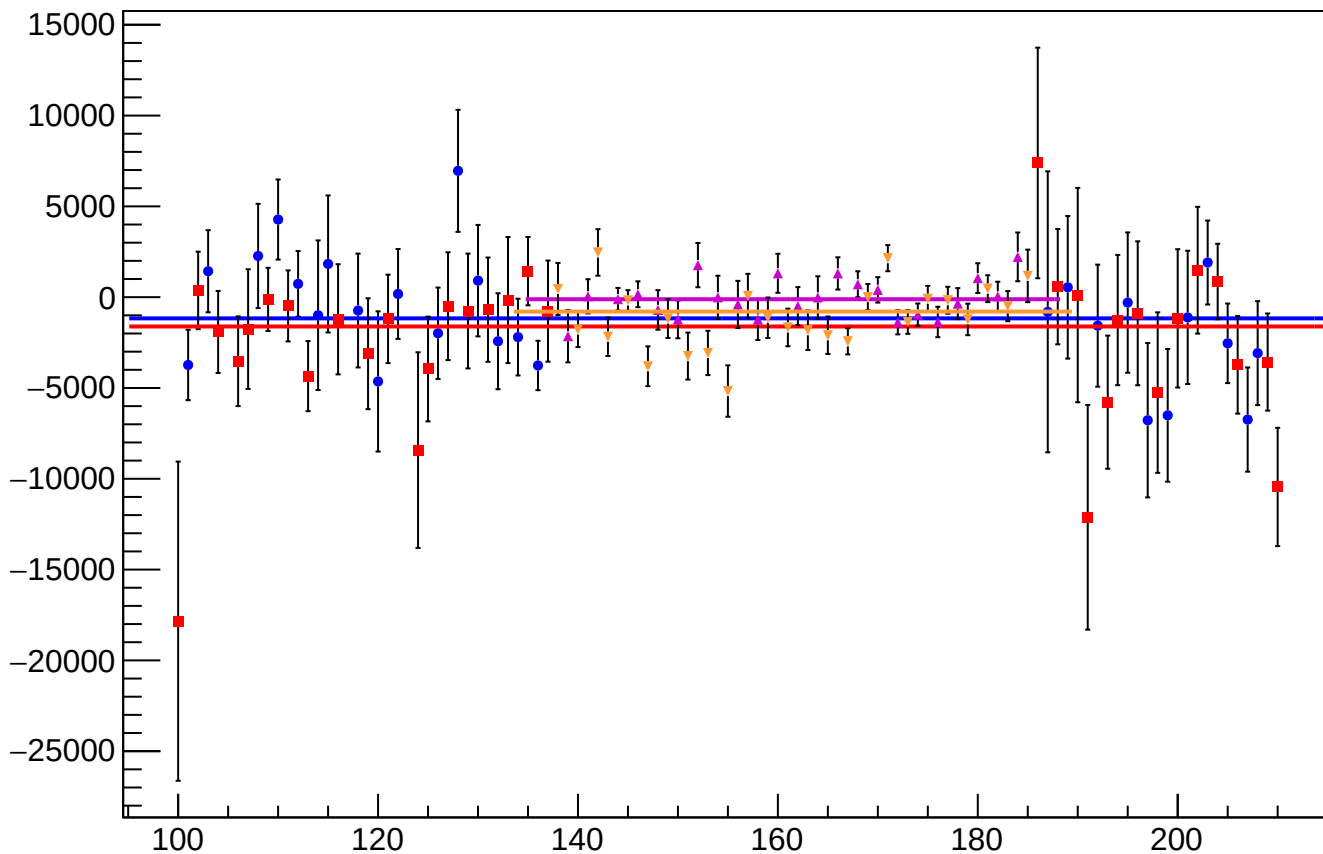
Left In: 104.835 $\pm$ 0.018 χ^2 /NDF: 1614484.2/22

+ sign 118.768 $\pm$ 0.016 χ^2 /NDF: 11193942.2/51

All: 120.078 $\pm$ 0.011 χ^2 /NDF: 24194939.2/10

- sign 121.441 $\pm$ 0.016 χ^2 /NDF: 12986966.0/55

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -1166.591 ± 506.519 χ^2/NDF : 34.5/26

Left Out: -793.071 ± 179.896 χ^2/NDF : 70.0/24

Right Out: -1614.122 ± 492.942 χ^2/NDF : 31.9/32

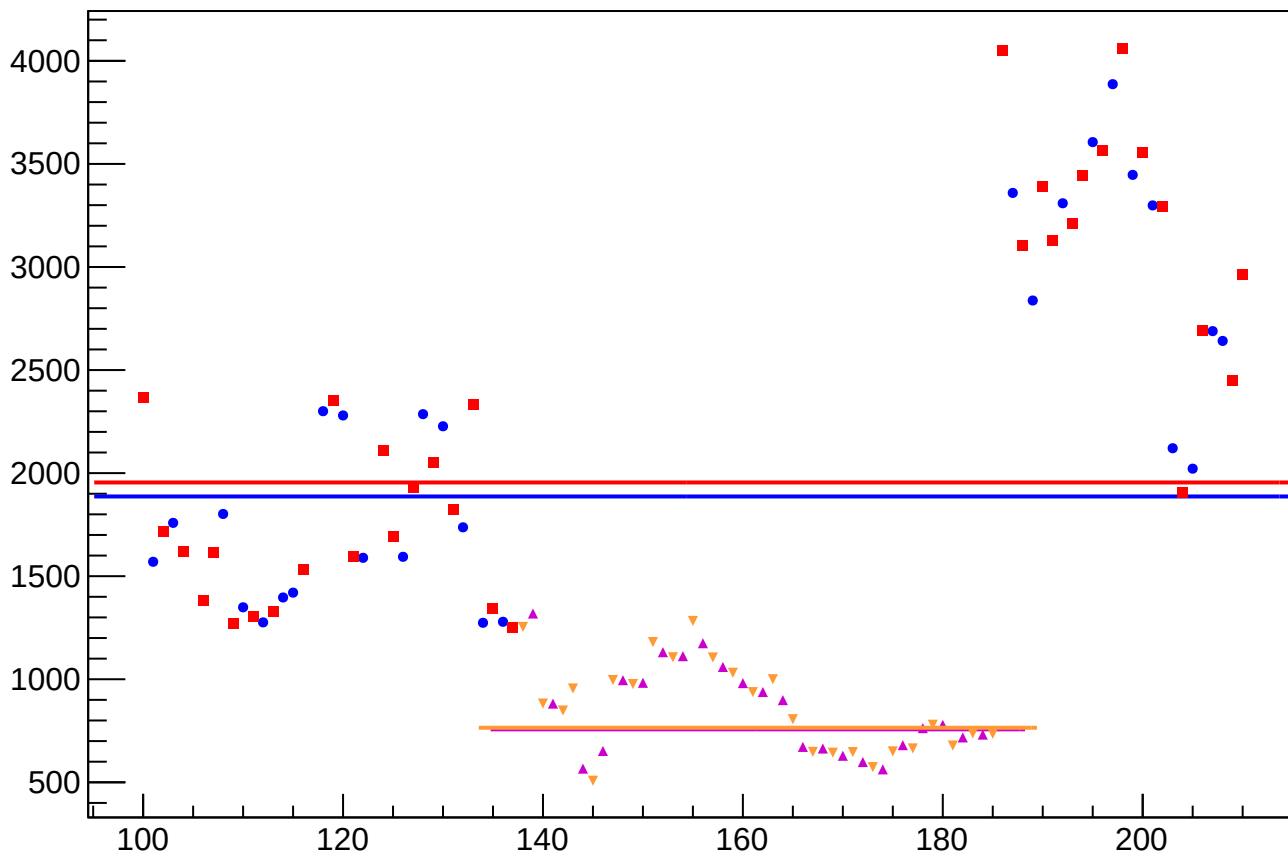
Left In: -113.680 ± 183.125 χ^2/NDF : 26.3/22

+ sign -834.910 ± 169.522 χ^2/NDF : 105.0/51

All: -568.659 ± 120.620 χ^2/NDF : 176.4/107

- sign -295.641 ± 171.663 χ^2/NDF : 66.4/55

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1886.762 $\pm$ 0.358 χ^2 /NDF: 3577697.2/26

Left Out: 764.734 $\pm$ 0.127 χ^2 /NDF: 2425549.9/24

Right Out: 1954.619 $\pm$ 0.349 χ^2 /NDF: 4538952.2/32

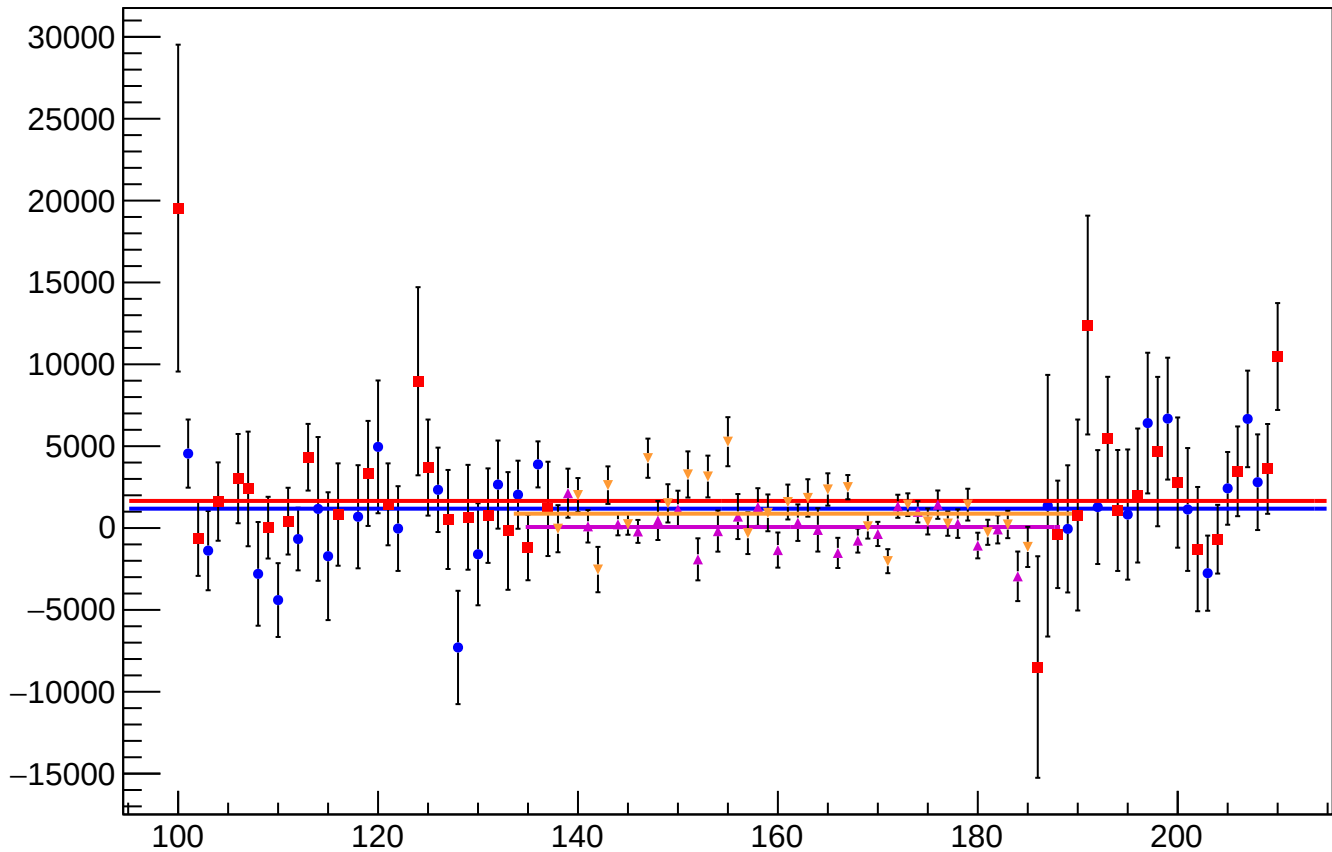
Left In: 756.926 $\pm$ 0.129 χ^2 /NDF: 2115275.0/22

+ sign 890.413 $\pm$ 0.120 χ^2 /NDF: 14717972.8/51

All: 896.219 $\pm$ 0.085 χ^2 /NDF: 31751831.0/10

- sign 902.172 $\pm$ 0.121 χ^2 /NDF: 17029106.9/55

asym_sam3_mean vs Slug



Right In: 1182.809 $\pm$ 522.600 χ^2 /NDF: 36.0/26

Left Out: 876.482 $\pm$ 188.998 χ^2 /NDF: 67.3/24

Right Out: 1655.852 $\pm$ 515.075 χ^2 /NDF: 29.3/32

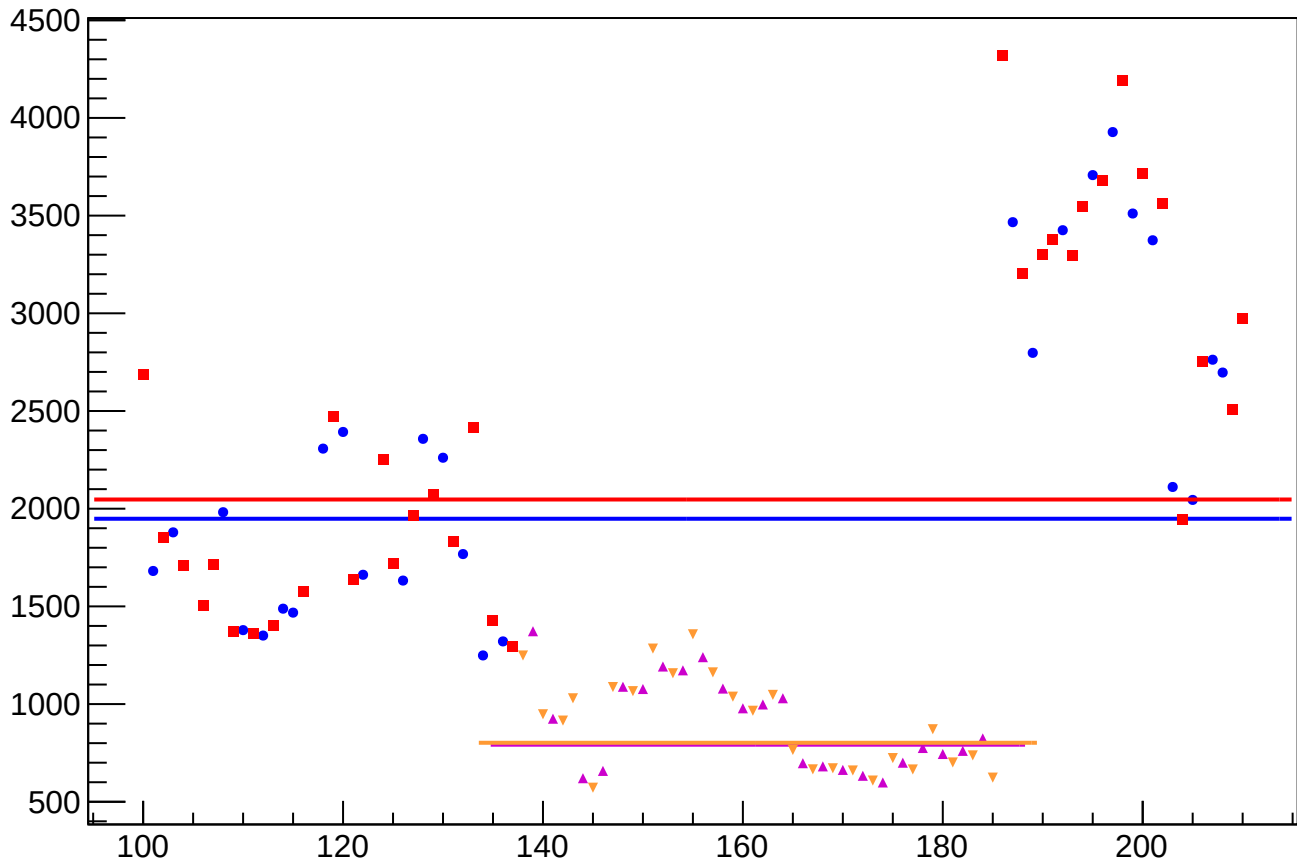
Left In: 62.754 $\pm$ 191.596 χ^2 /NDF: 27.1/22

+ sign 911.913 $\pm$ 177.732 χ^2 /NDF: 103.6/51

All: 587.534 $\pm$ 126.322 χ^2 /NDF: 175.1/107

- sign 256.394 $\pm$ 179.575 χ^2 /NDF: 64.8/55

asym_sam3_rms vs Slug



Right In: 1948.512 $\pm$ 0.370 χ^2 /NDF: 3479467.3/26

Left Out: 802.014 $\pm$ 0.134 χ^2 /NDF: 2396024.4/24

Right Out: 2047.038 $\pm$ 0.364 χ^2 /NDF: 4347898.3/32

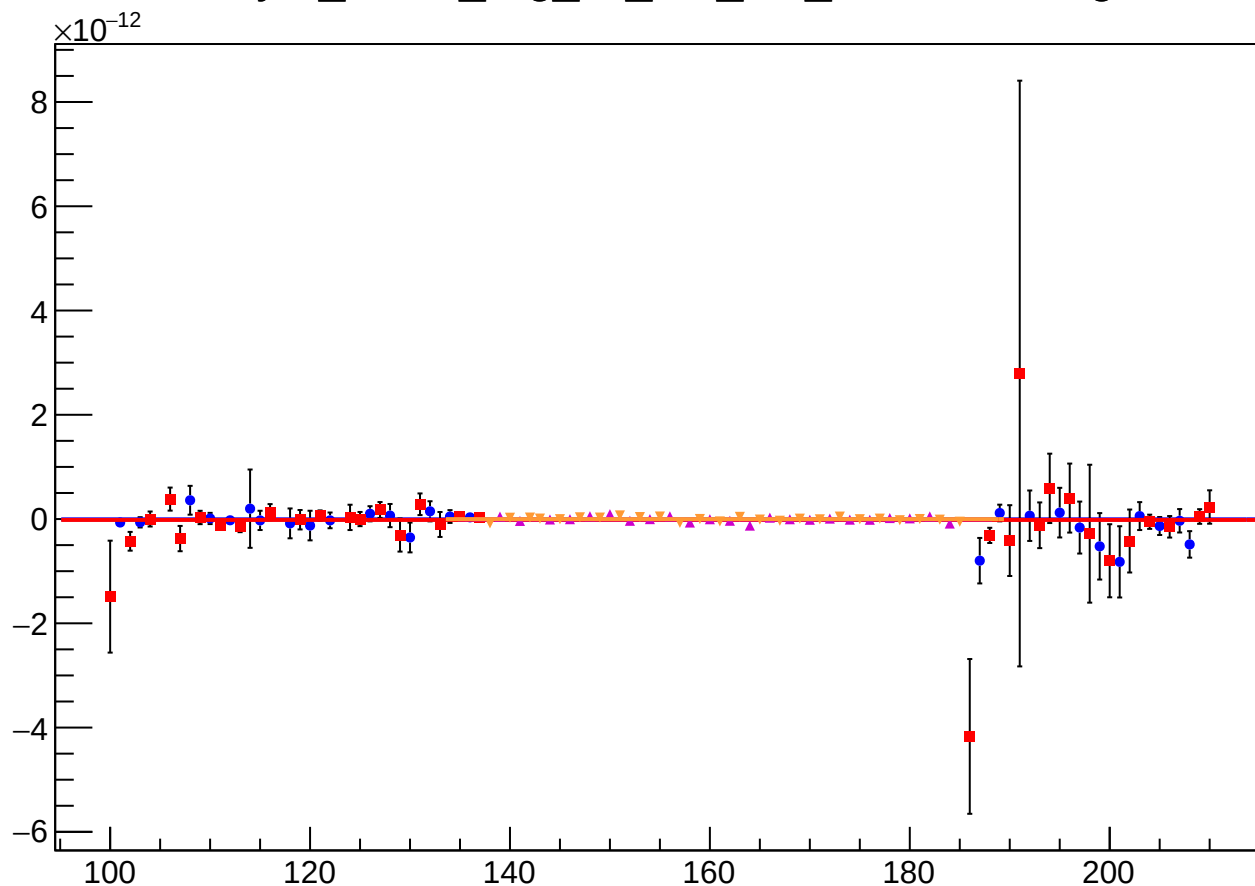
Left In: 792.060 $\pm$ 0.135 χ^2 /NDF: 2135575.6/22

+ sign 934.622 $\pm$ 0.126 χ^2 /NDF: 14387969.2/51

All: 939.560 $\pm$ 0.089 χ^2 /NDF: 31304437.9/10

- sign 944.602 $\pm$ 0.127 χ^2 /NDF: 16913348.3/55

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.3/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.0/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 40.6/32

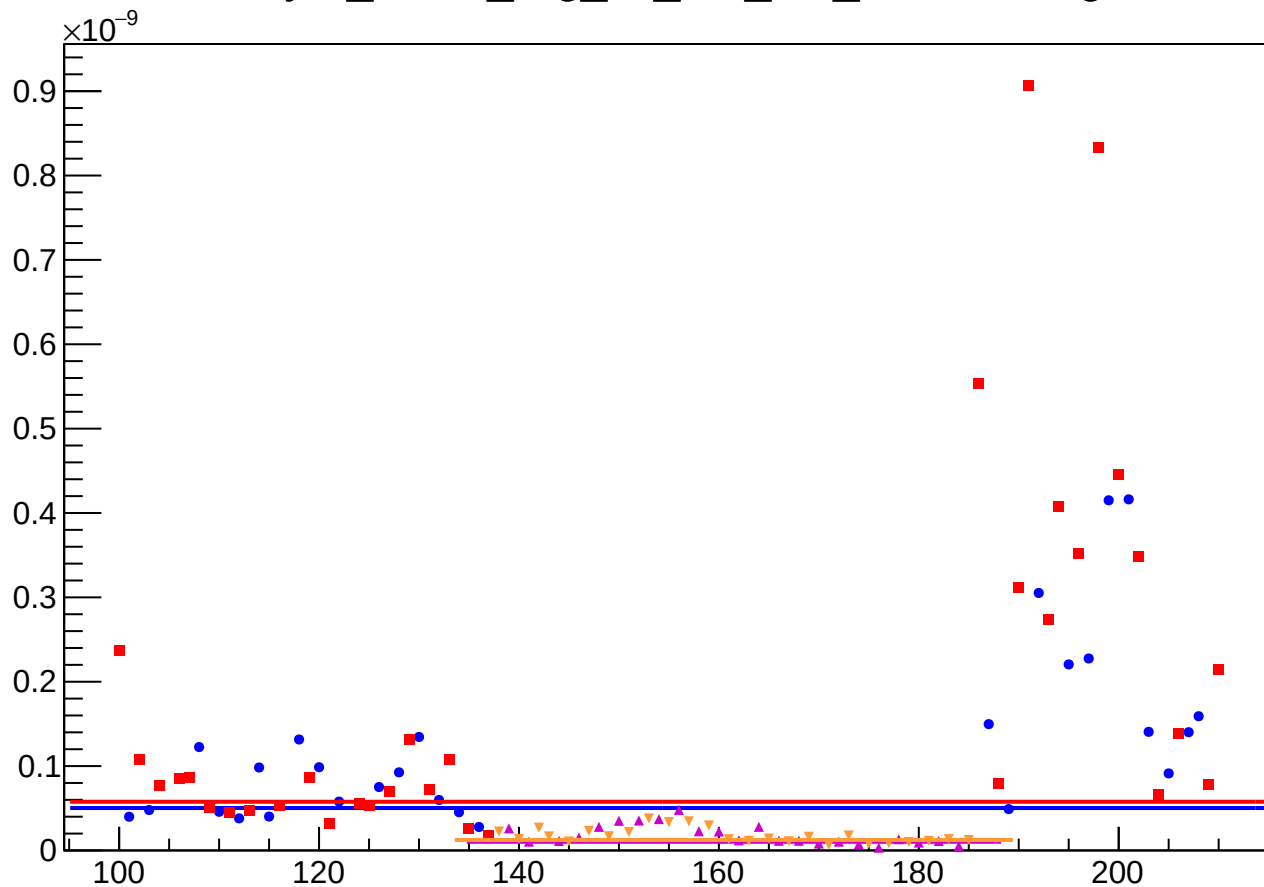
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 31.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 41.3/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 114.1/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 72.2/55

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 4744986.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2214354.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6281836.9/32

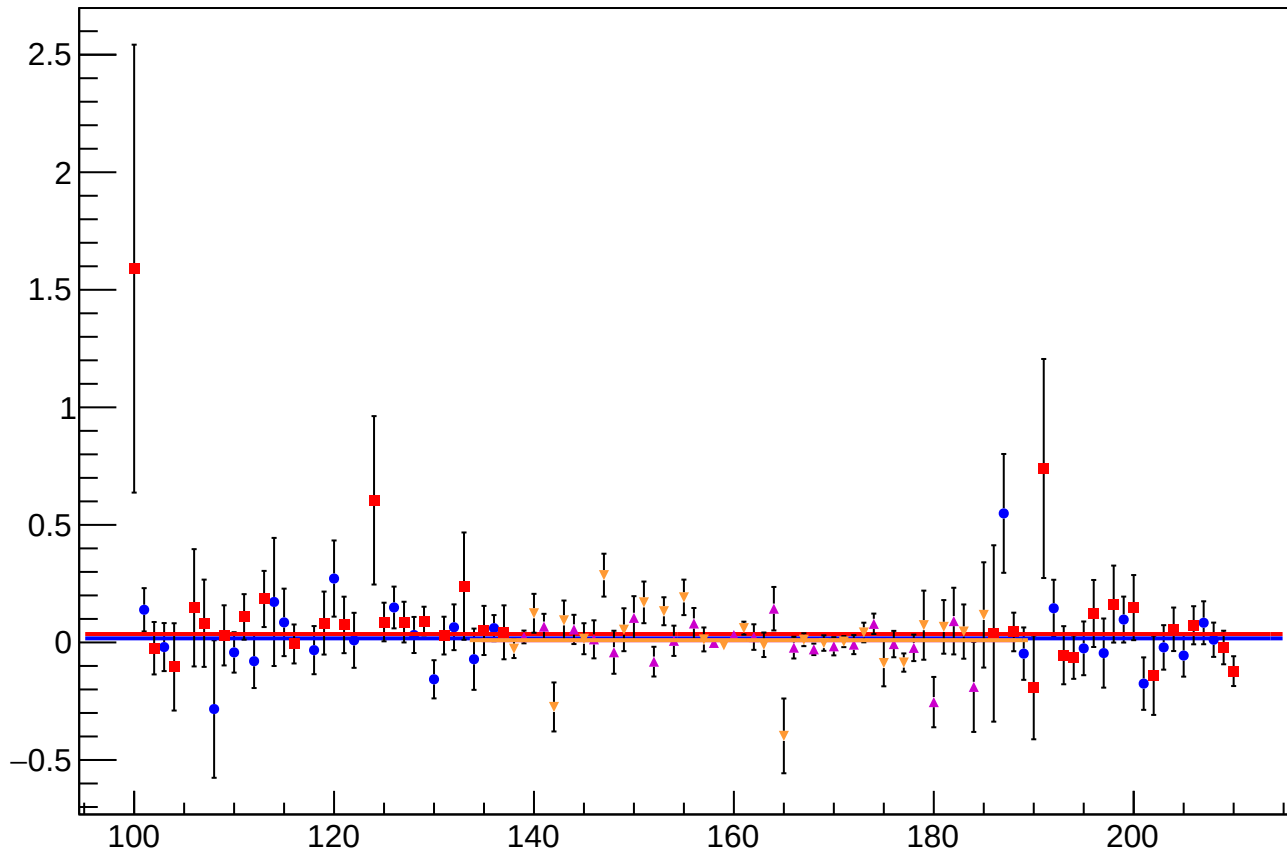
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 3679061.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 11041933.3/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 26830169.3/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 15588960.8/55

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 ± 0.019 χ^2/NDF : 26.7/26

Left Out: 0.010 ± 0.008 χ^2/NDF : 54.6/24

Right Out: 0.036 ± 0.019 χ^2/NDF : 26.2/32

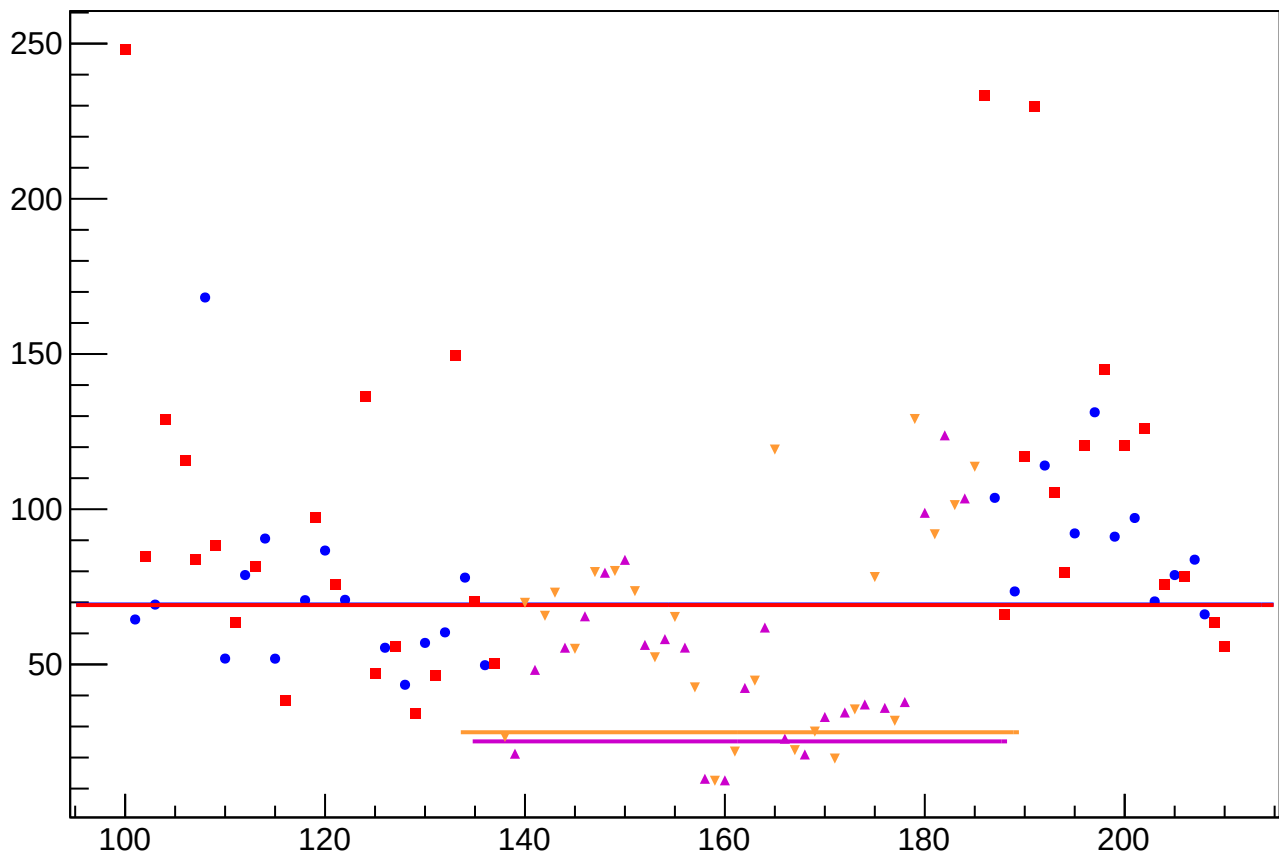
Left In: 0.009 ± 0.008 χ^2/NDF : 25.2/22

+ sign 0.011 ± 0.008 χ^2/NDF : 81.5/51

All: 0.012 ± 0.005 χ^2/NDF : 134.6/107

- sign 0.013 ± 0.007 χ^2/NDF : 53.0/55

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 69.305+/-0.014 χ^2 /NDF: 2041213.0/26

Left Out: 28.151+/-0.006 χ^2 /NDF: 11070747.0/24

Right Out: 69.122+/-0.013 χ^2 /NDF: 4468302.9/32

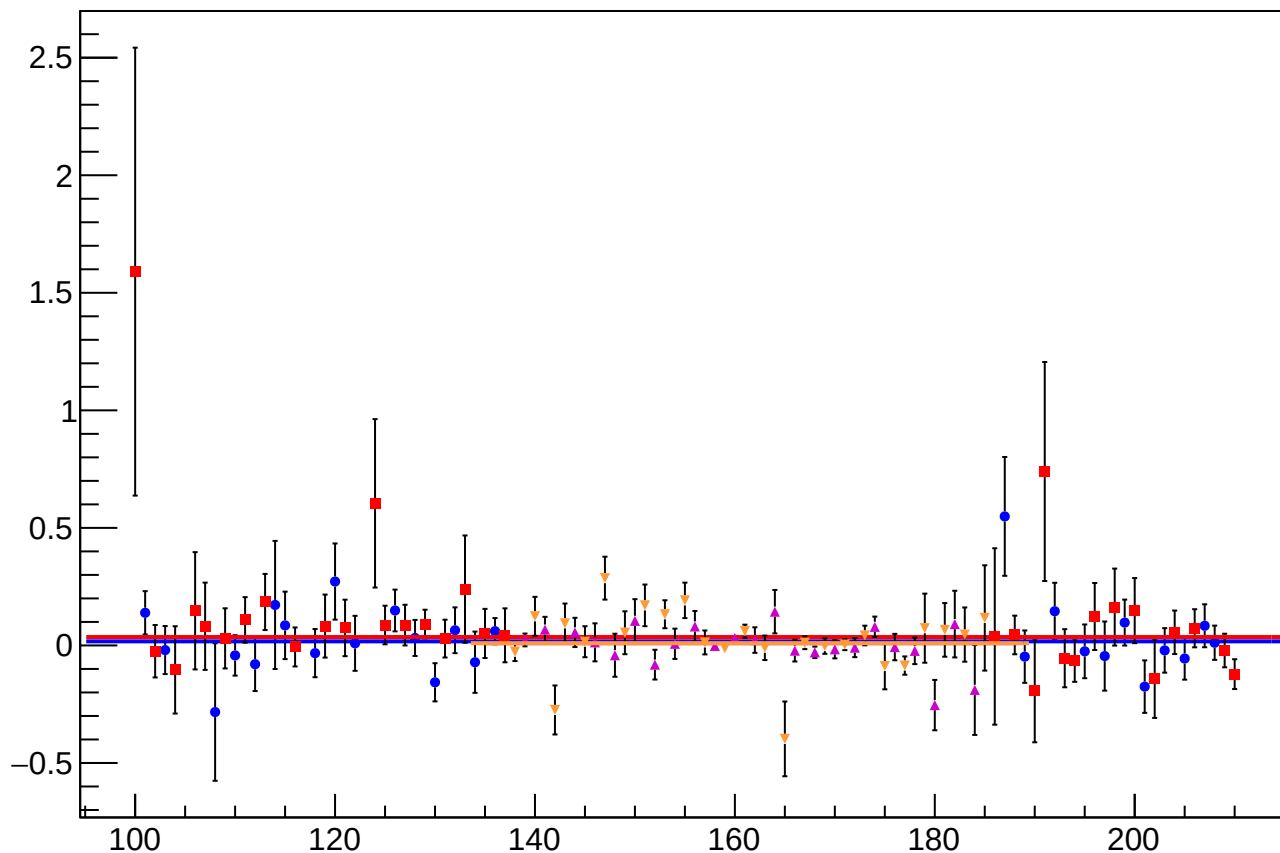
Left In: 25.206+/-0.006 χ^2 /NDF: 9964049.2/22

+ sign 34.727+/-0.005 χ^2 /NDF: 20678776.0/51

All: 33.180+/-0.004 χ^2 /NDF: 44494828.6/107

- sign 31.806+/-0.005 χ^2 /NDF: 23665636.0/55

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 ± 0.019 $\chi^2/\text{NDF}: 26.7/26$

Left Out: 0.010 ± 0.008 $\chi^2/\text{NDF}: 54.6/24$

Right Out: 0.036 ± 0.019 $\chi^2/\text{NDF}: 26.2/32$

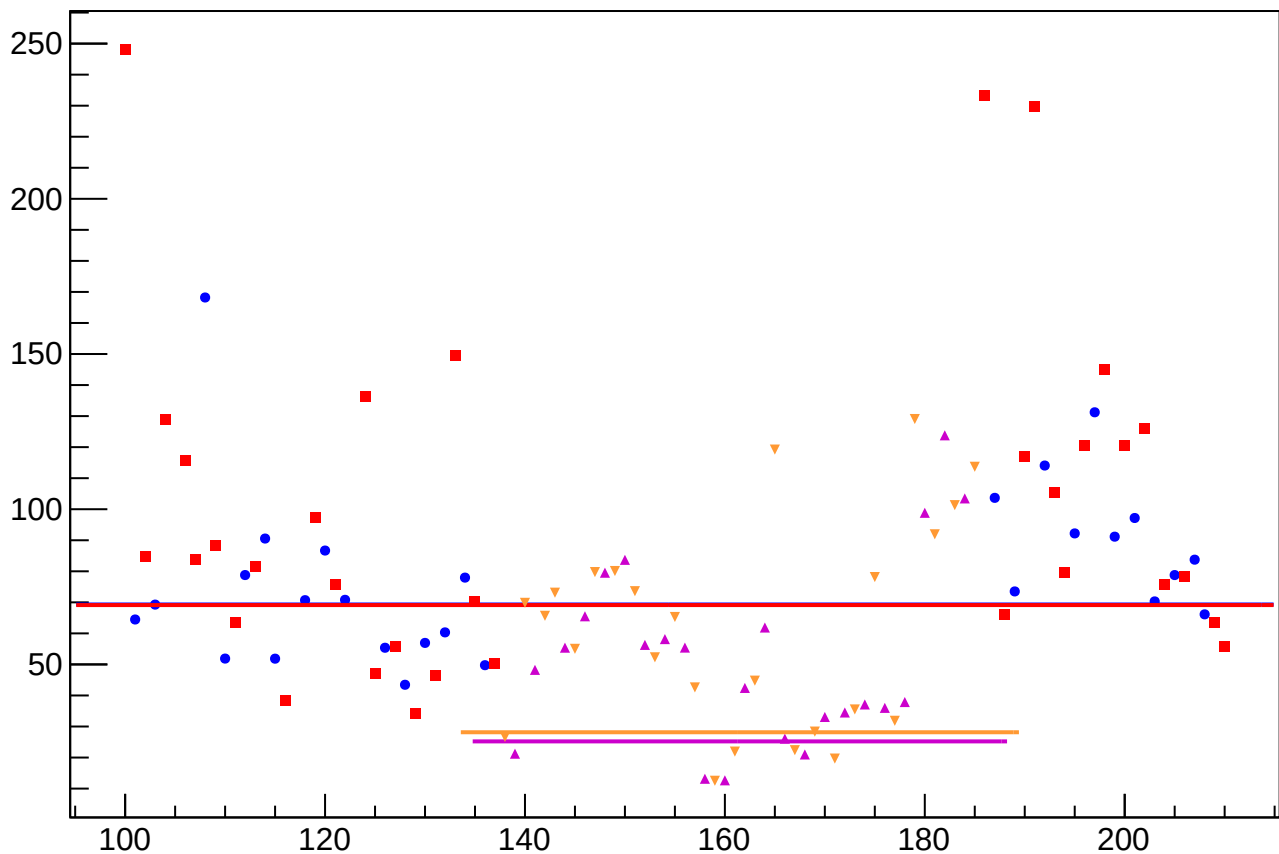
Left In: 0.009 ± 0.008 $\chi^2/\text{NDF}: 25.2/22$

+ sign 0.011 ± 0.008 $\chi^2/\text{NDF}: 81.5/51$

All: 0.012 ± 0.005 $\chi^2/\text{NDF}: 134.6/107$

- sign 0.013 ± 0.007 $\chi^2/\text{NDF}: 53.0/55$

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.305 $\pm$ 0.014 χ^2 /NDF: 2041213.0/26

Left Out: 28.151 $\pm$ 0.006 χ^2 /NDF: 11070747.0/24

Right Out: 69.122 $\pm$ 0.013 χ^2 /NDF: 4468302.9/32

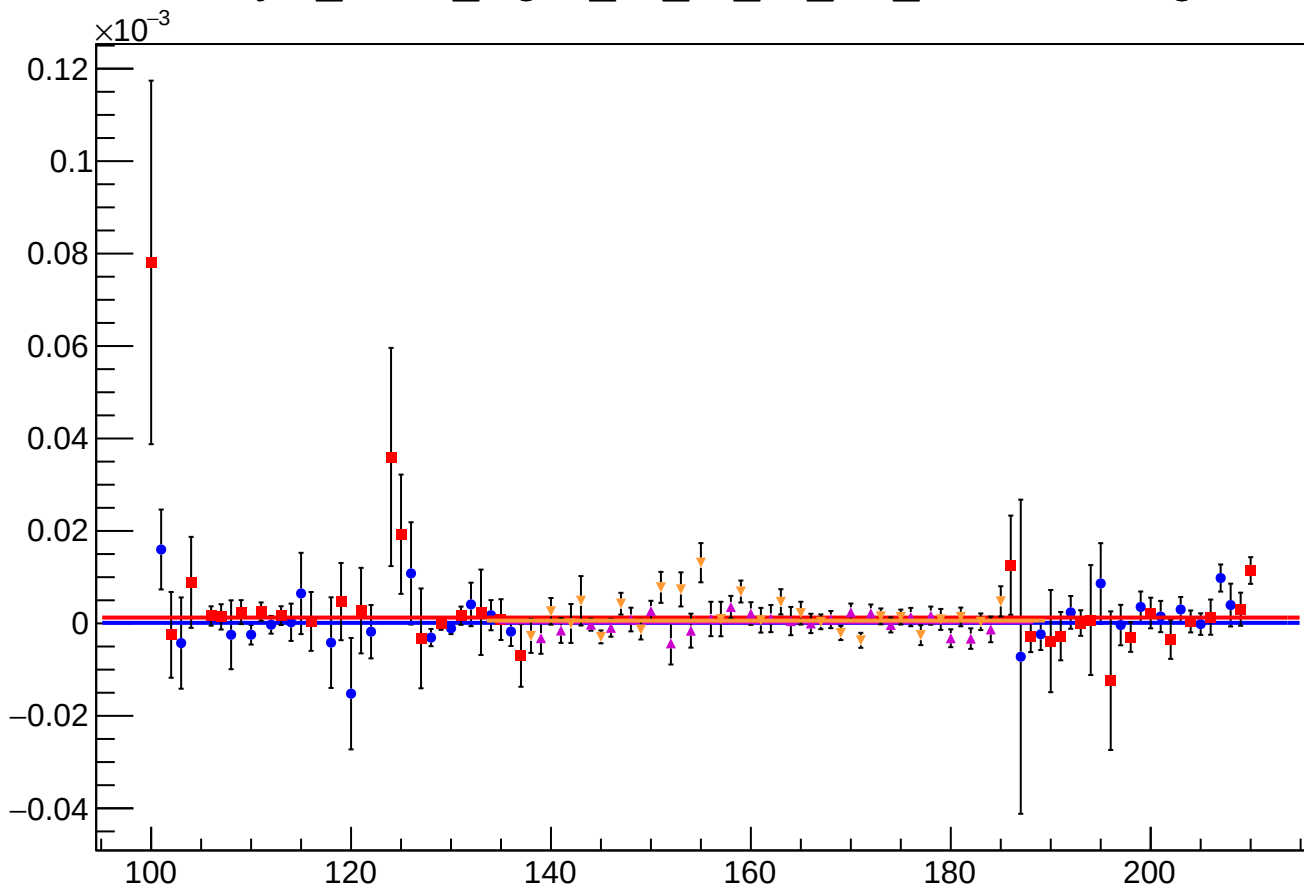
Left In: 25.206 $\pm$ 0.006 χ^2 /NDF: 9964049.2/22

+ sign 34.727 $\pm$ 0.005 χ^2 /NDF: 20678776.0/51

All: 33.180 $\pm$ 0.004 χ^2 /NDF: 44494828.6/107

- sign 31.806 $\pm$ 0.005 χ^2 /NDF: 23665636.0/55

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 29.7/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 52.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.8/32

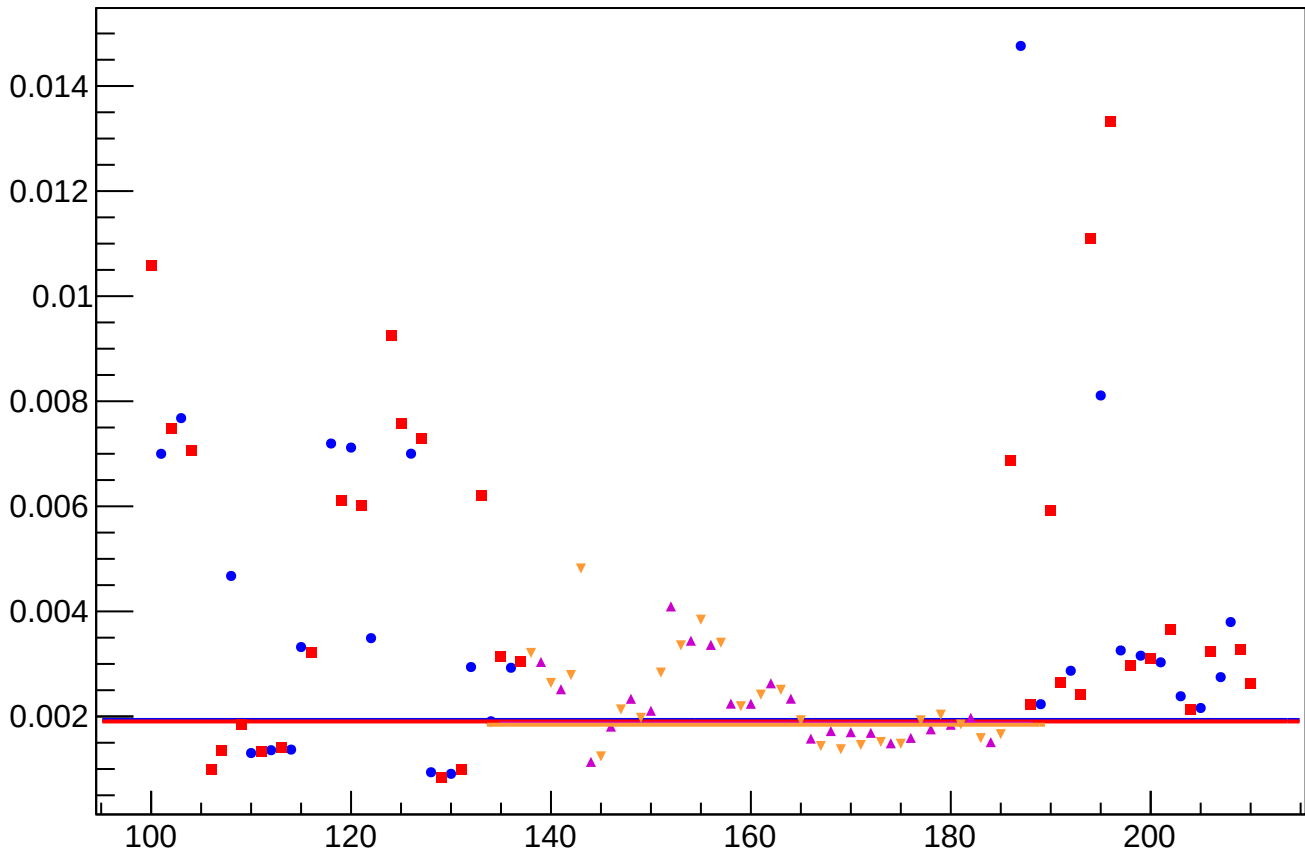
Left In: 0.000 ± 0.000 χ^2/NDF : 16.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 82.4/51

All: 0.000 ± 0.000 χ^2/NDF : 133.9/107

- sign 0.000 ± 0.000 χ^2/NDF : 51.3/55

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 8460860.7/26

Left Out: 0.002+/-0.000 χ^2/NDF : 3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 11351891.0/32

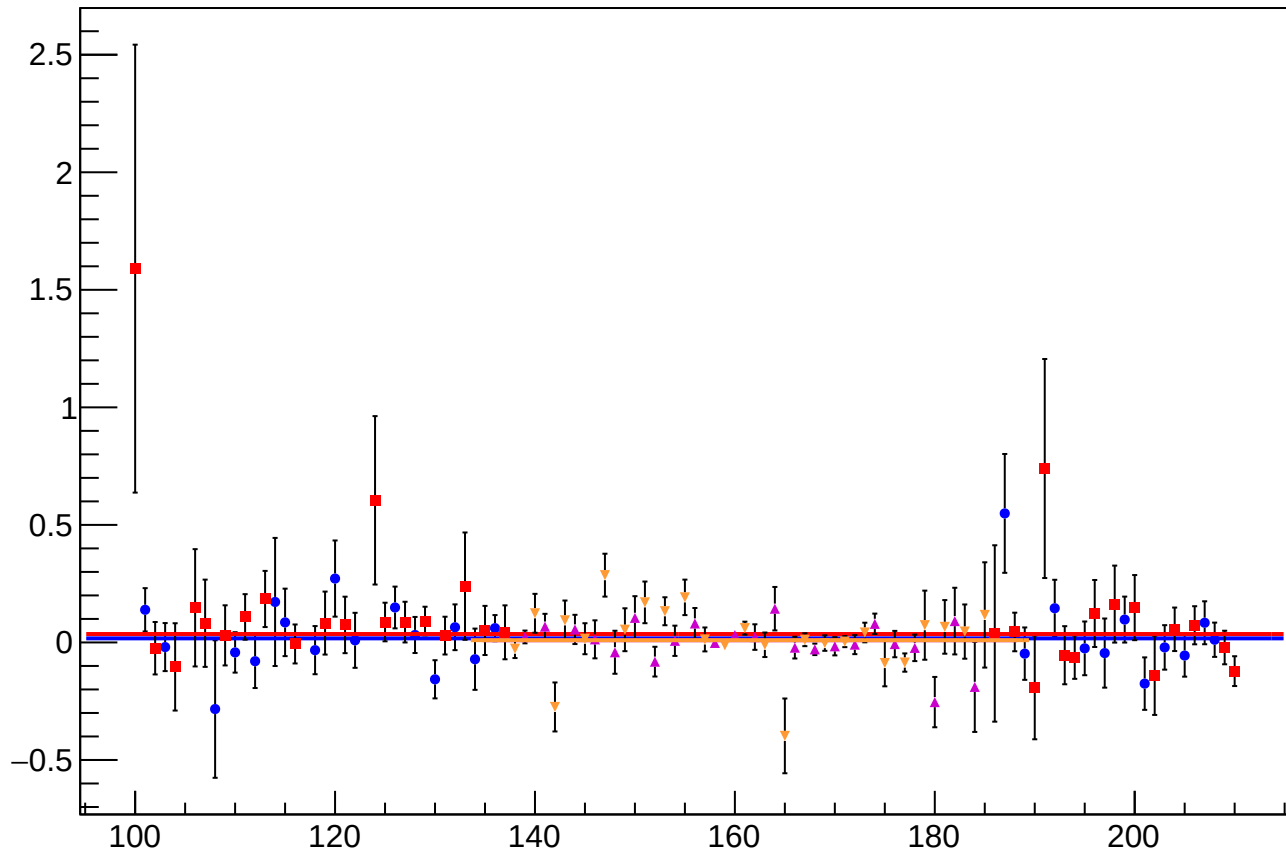
Left In: 0.002+/-0.000 χ^2/NDF : 2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 12273011.8/51

All: 0.002+/-0.000 χ^2/NDF : 26425221.0/107

- sign 0.002+/-0.000 χ^2/NDF : 14151959.0/55

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 ± 0.019 χ^2/NDF : 26.7/26

Left Out: 0.010 ± 0.008 χ^2/NDF : 54.6/24

Right Out: 0.036 ± 0.019 χ^2/NDF : 26.2/32

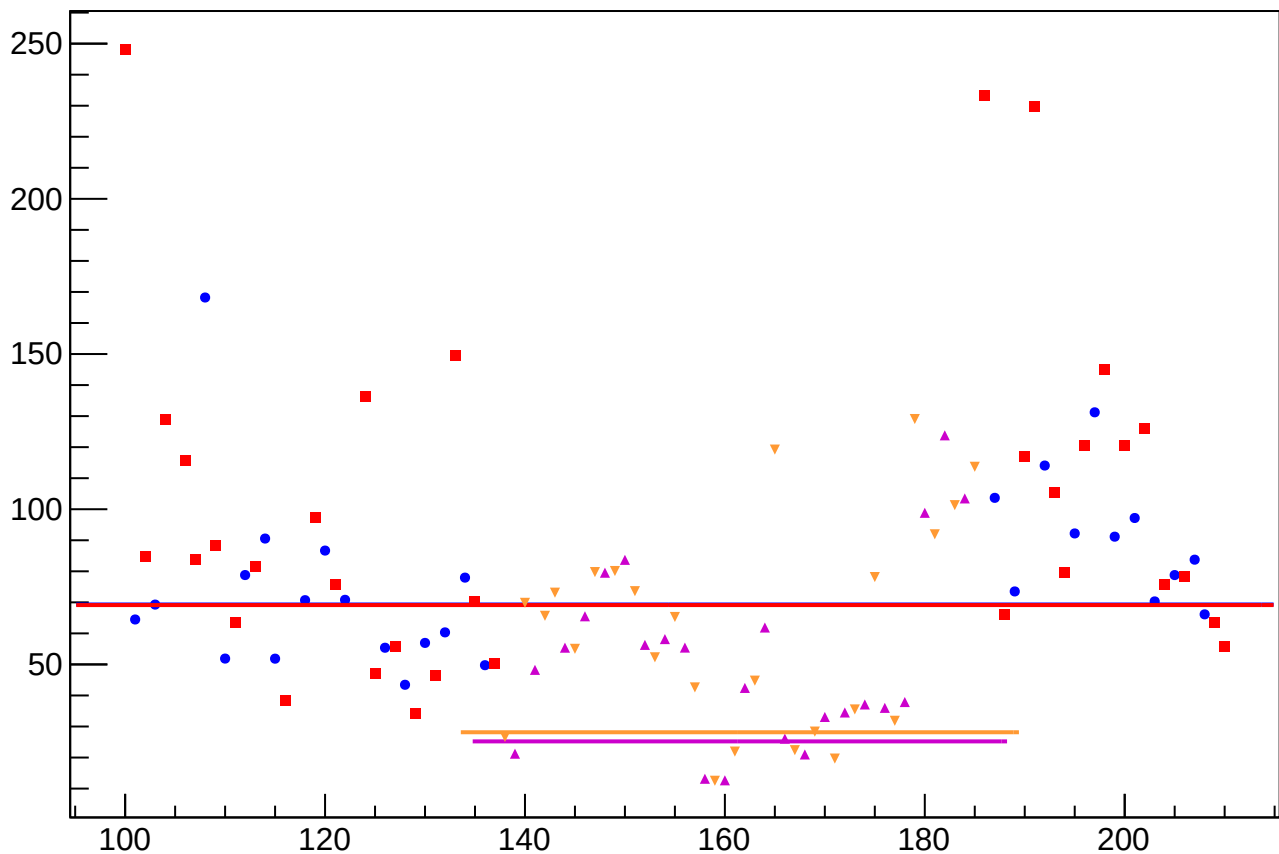
Left In: 0.009 ± 0.008 χ^2/NDF : 25.2/22

+ sign 0.011 ± 0.008 χ^2/NDF : 81.5/51

All: 0.012 ± 0.005 χ^2/NDF : 134.6/107

- sign 0.013 ± 0.007 χ^2/NDF : 53.0/55

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.305 $\pm$ 0.014 χ^2 /NDF: 2041194.7/26

Left Out: 28.150 $\pm$ 0.006 χ^2 /NDF: 11071818.3/24

Right Out: 69.123 $\pm$ 0.013 χ^2 /NDF: 4468354.6/32

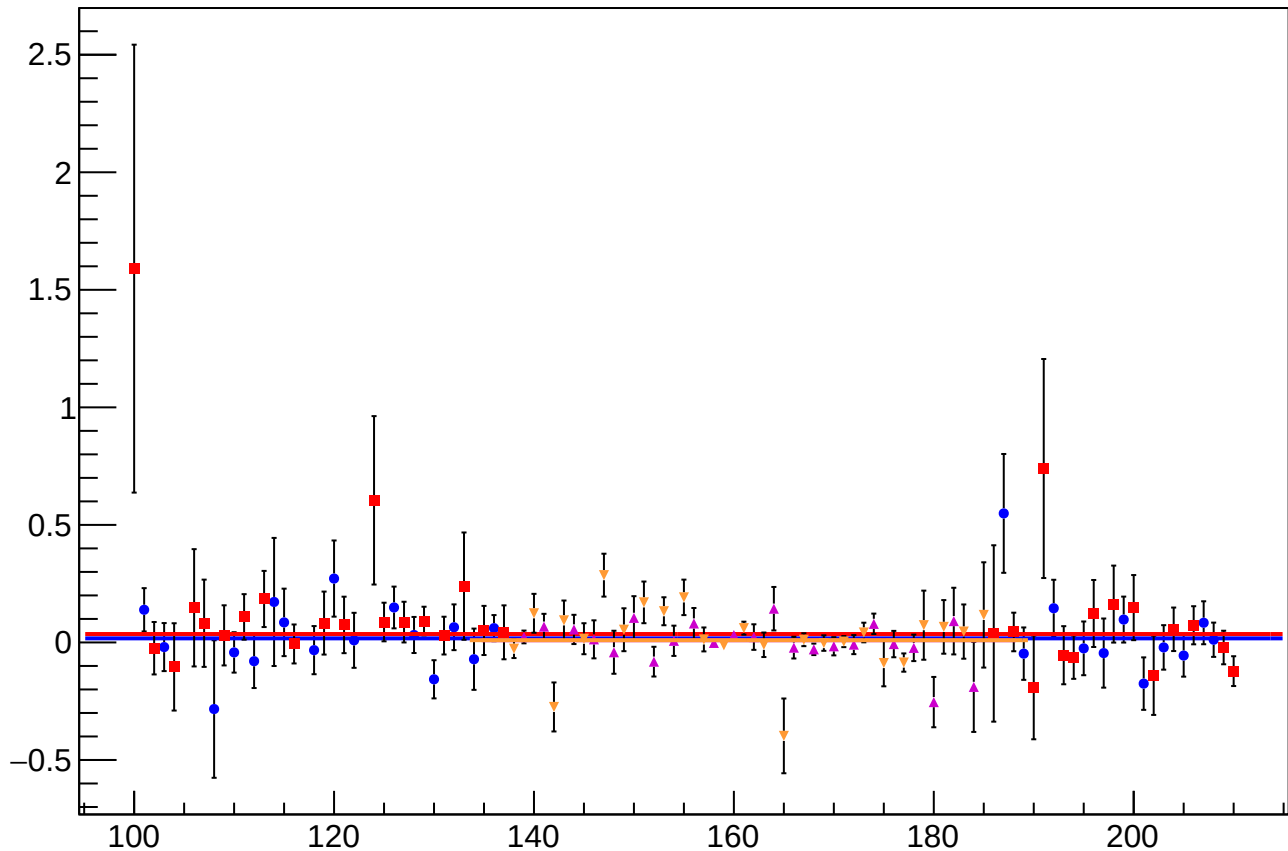
Left In: 25.205 $\pm$ 0.006 χ^2 /NDF: 9964548.1/22

+ sign 34.726 $\pm$ 0.005 χ^2 /NDF: 20680397.8/51

All: 33.179 $\pm$ 0.004 χ^2 /NDF: 44497254.1/107

- sign 31.806 $\pm$ 0.005 χ^2 /NDF: 23666526.8/55

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.019 χ^2 /NDF: 26.7/26

Left Out: 0.010 $\pm$ 0.008 χ^2 /NDF: 54.6/24

Right Out: 0.036 $\pm$ 0.019 χ^2 /NDF: 26.2/32

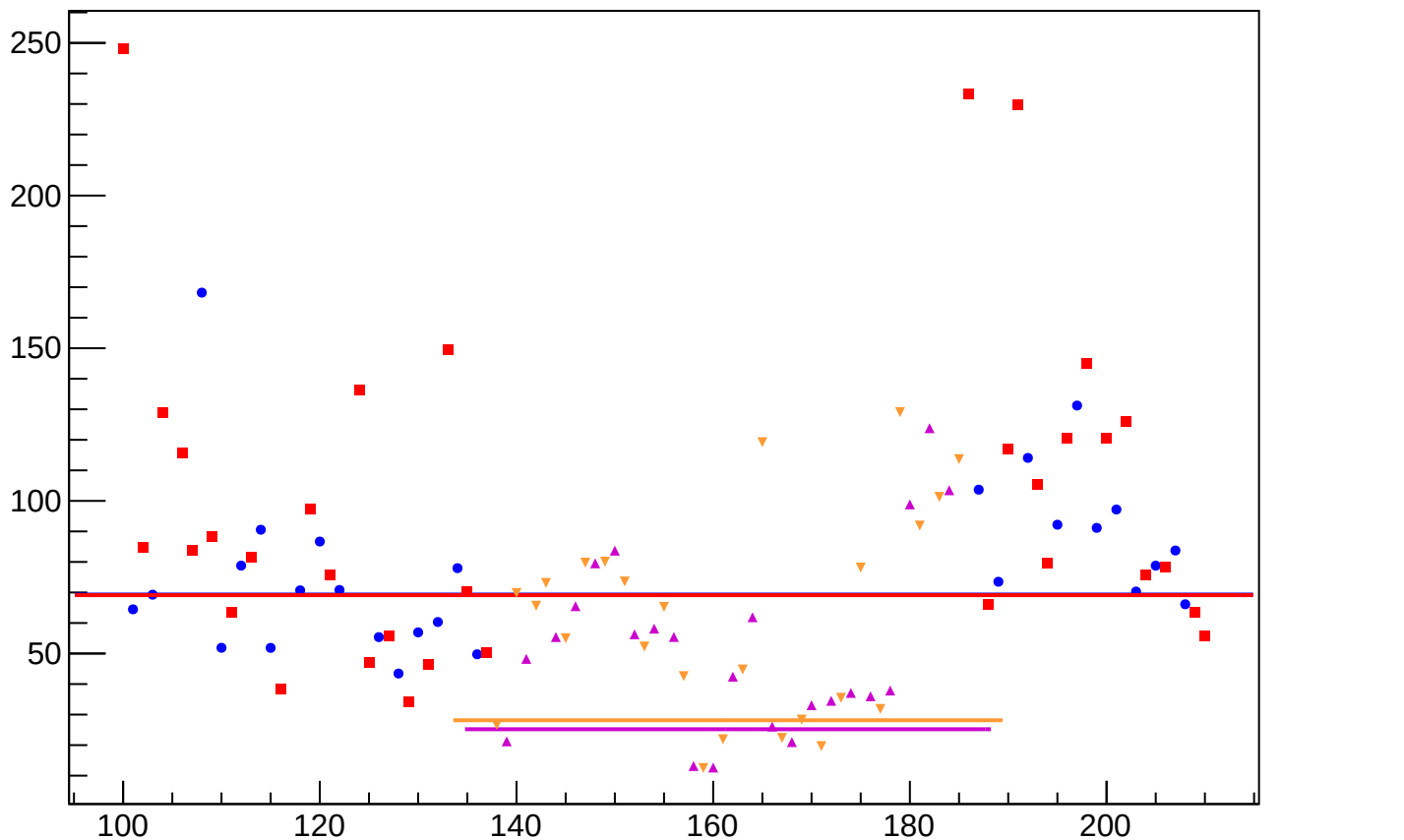
Left In: 0.009 $\pm$ 0.008 χ^2 /NDF: 25.2/22

+ sign 0.011 $\pm$ 0.008 χ^2 /NDF: 81.5/51

All: 0.012 $\pm$ 0.005 χ^2 /NDF: 134.6/107

- sign 0.013 $\pm$ 0.007 χ^2 /NDF: 53.0/55

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.305 $\pm$ 0.014 χ^2 /NDF: 2041194.7/26

Left Out: 28.150 $\pm$ 0.006 χ^2 /NDF: 11071818.3/24

Right Out: 69.123 $\pm$ 0.013 χ^2 /NDF: 4468354.6/32

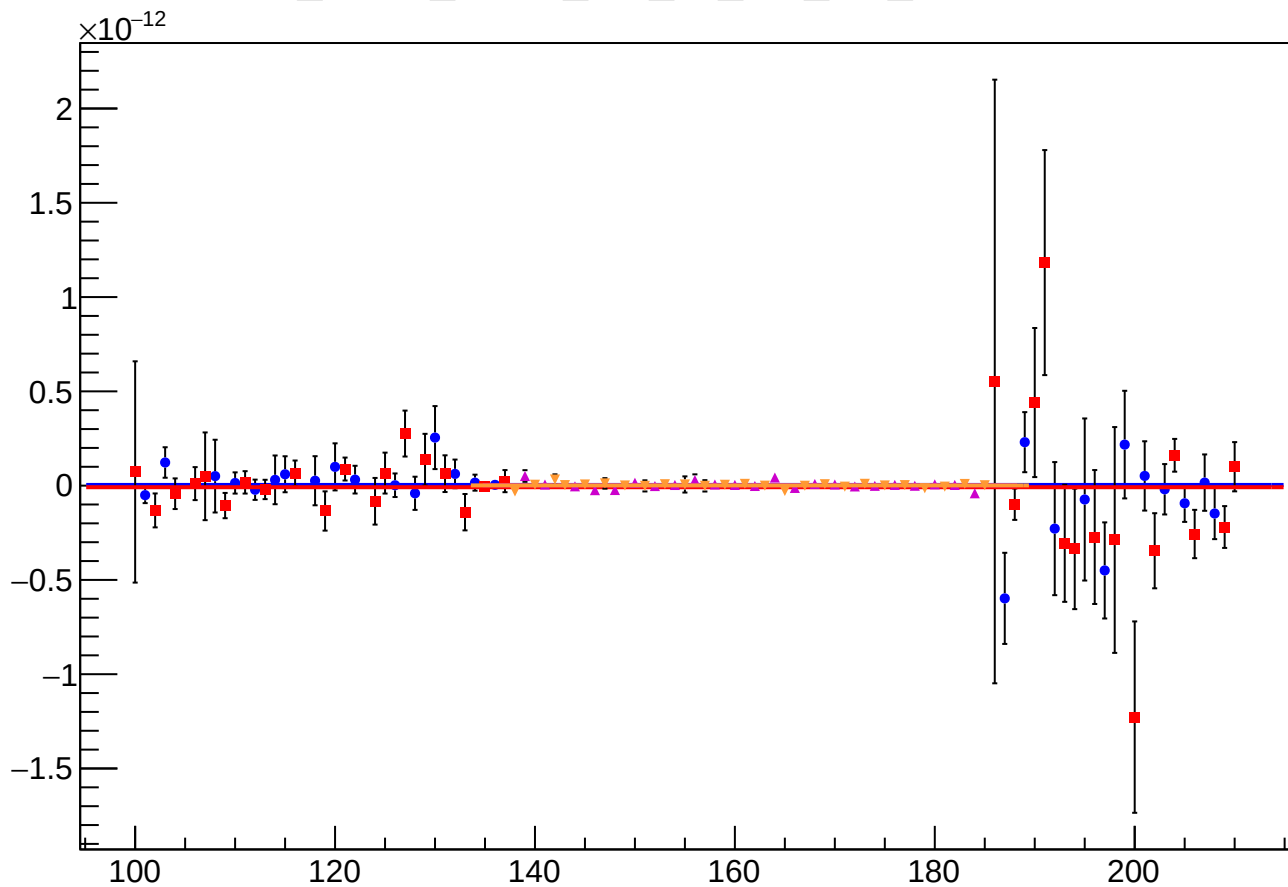
Left In: 25.205 $\pm$ 0.006 χ^2 /NDF: 9964548.1/22

+ sign 34.726 $\pm$ 0.005 χ^2 /NDF: 20680397.8/51

All: 33.179 $\pm$ 0.004 χ^2 /NDF: 44497254.1/107

- sign 31.806 $\pm$ 0.005 χ^2 /NDF: 23666526.8/55

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:11.3/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 49.7/32

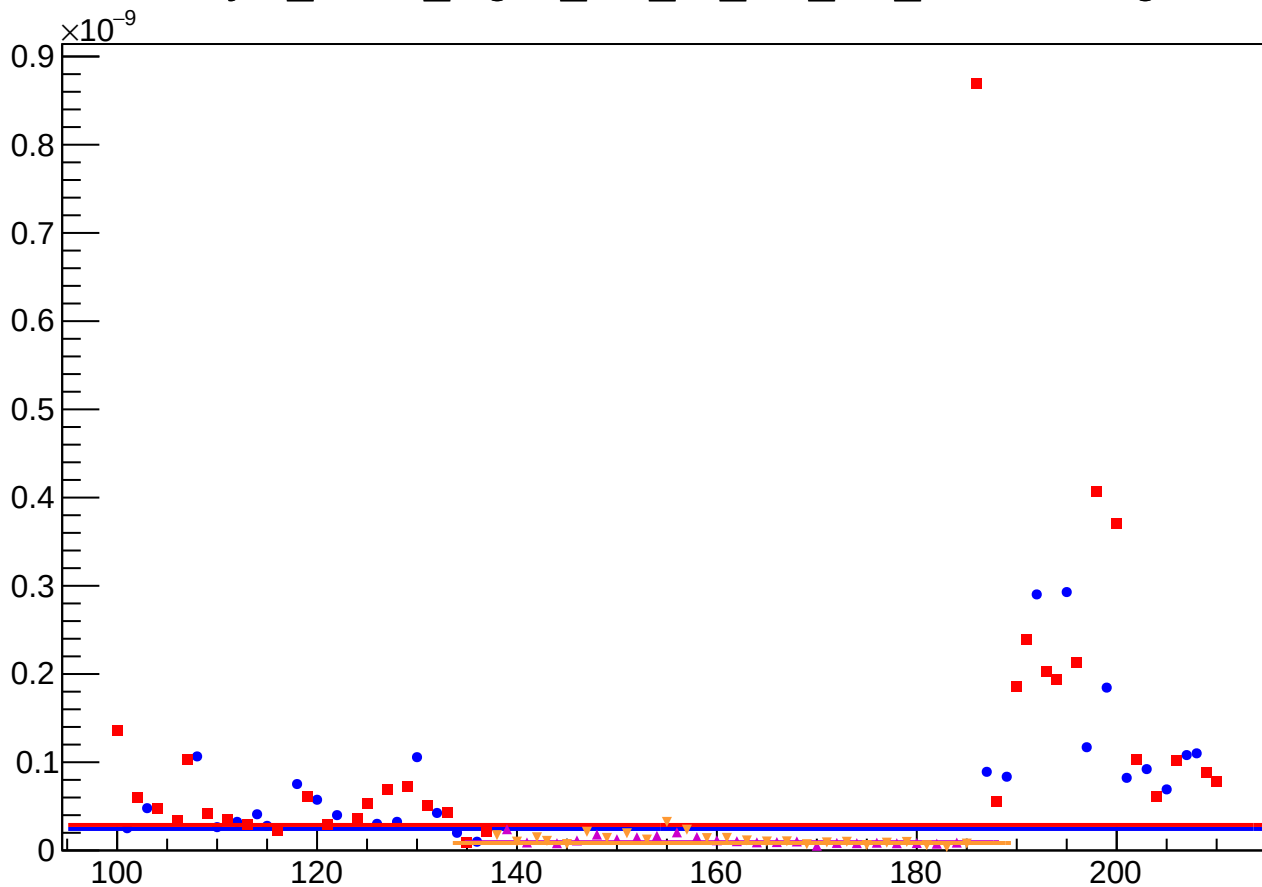
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:20.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34.5/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 105.6/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 71.1/55

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9150831.3/26

Left Out: 0.000+/-0.000 χ^2/NDF : 4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10687162.7/32

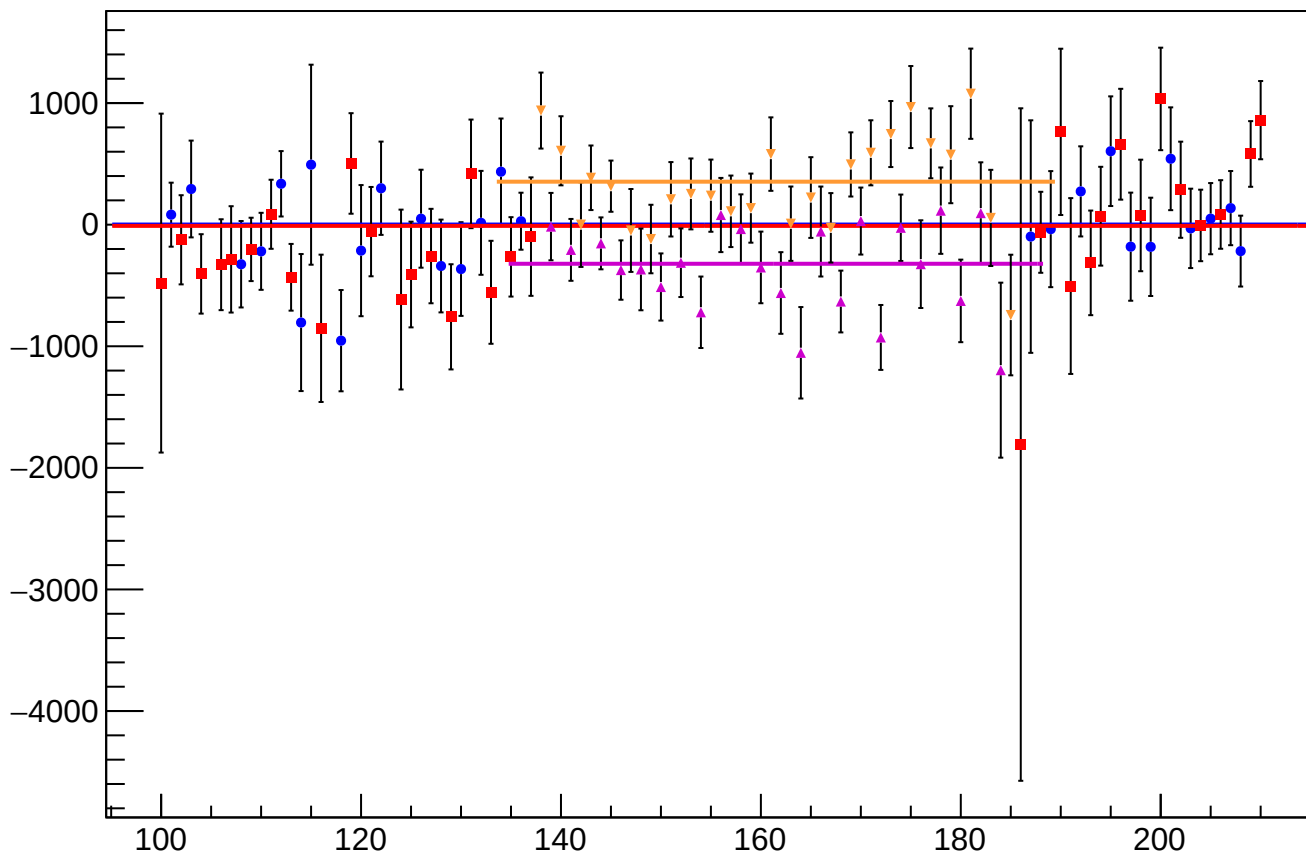
Left In: 0.000+/-0.000 χ^2/NDF : 2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 16934337.7/51

All: 0.000+/-0.000 χ^2/NDF : 34277732.7/107

- sign 0.000+/-0.000 χ^2/NDF : 17190173.7/55

reg_asym_sam4_mean vs Slug



Right In: 1.044 ± 70.743 χ^2/NDF : 19.8/26

Left Out: 353.617 ± 60.149 χ^2/NDF : 32.3/24

Right Out: -9.856 ± 66.937 χ^2/NDF : 41.3/32

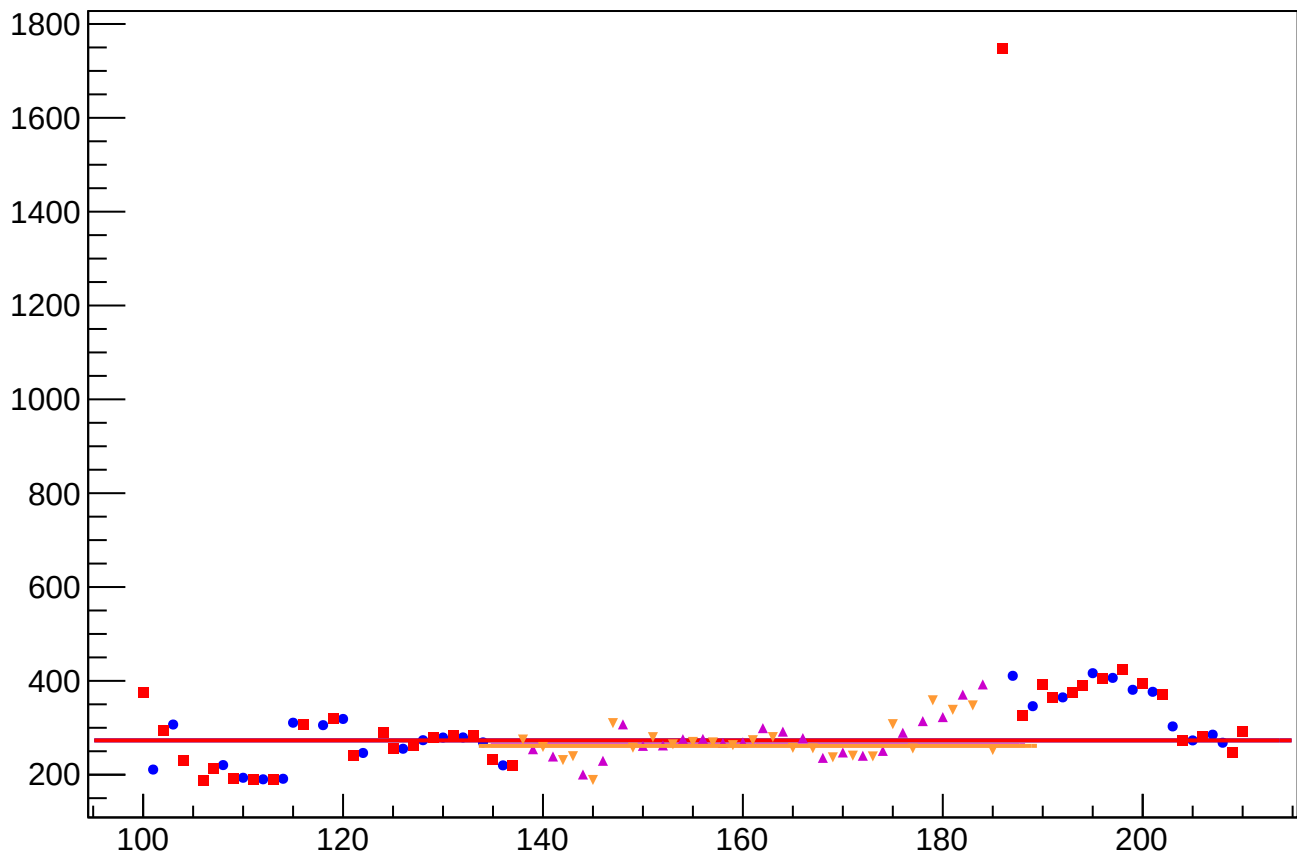
Left In: -321.510 ± 62.113 χ^2/NDF : 26.2/22

+ sign 205.682 ± 45.824 χ^2/NDF : 66.6/51

All: 12.951 ± 32.298 χ^2/NDF : 180.9/107

- sign -177.315 ± 45.530 χ^2/NDF : 79.2/55

reg_asym_sam4_rms vs Slug



Right In: 273.165+/-0.050 χ^2/NDF : 1552132.1/26

Left Out: 261.470+/-0.043 χ^2/NDF : 715467.9/24

Right Out: 273.114+/-0.047 χ^2/NDF : 2548203.3/32

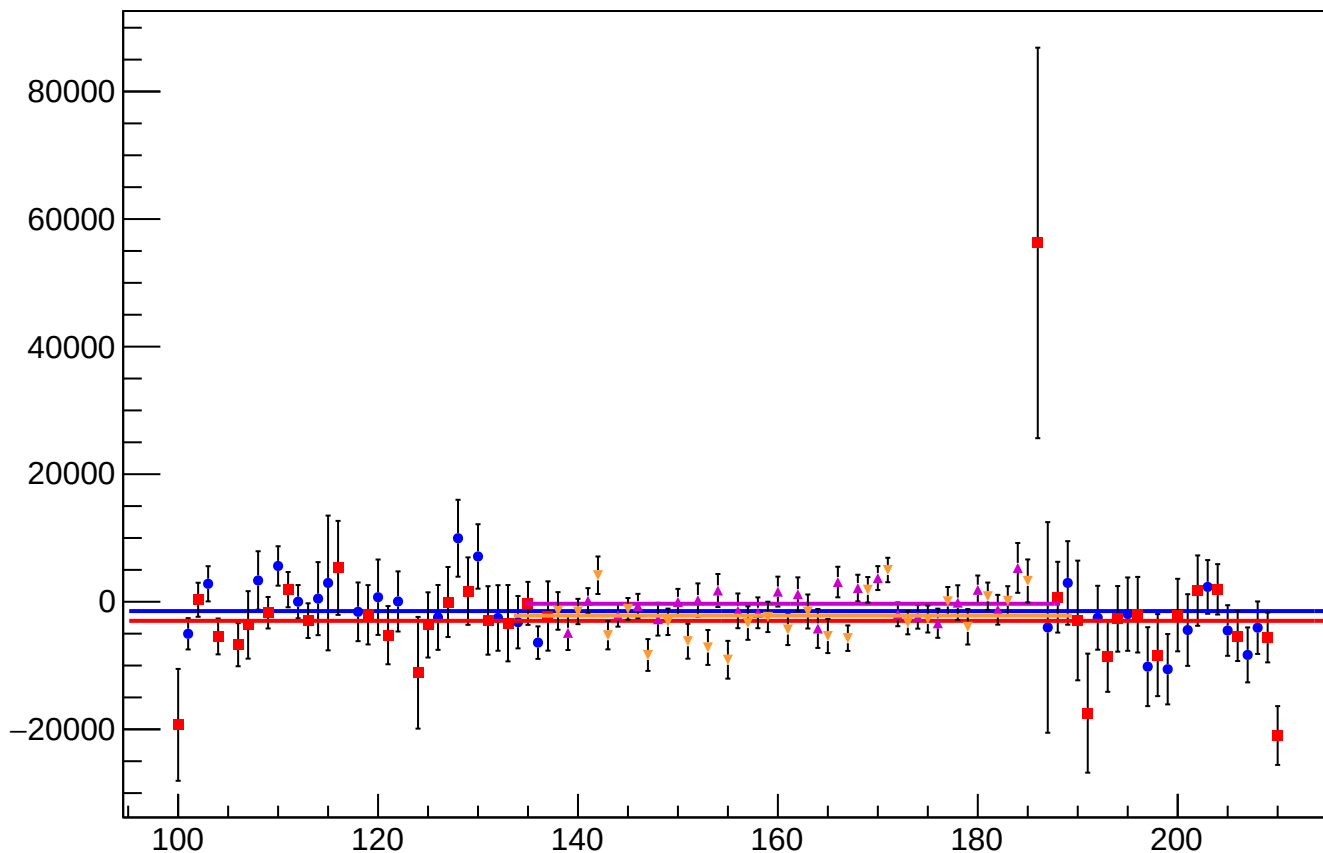
Left In: 262.616+/-0.044 χ^2/NDF : 670646.3/22

+ sign 266.377+/-0.032 χ^2/NDF : 2299328.3/51

All: 266.929+/-0.023 χ^2/NDF : 5545184.3/107

- sign 267.473+/-0.032 χ^2/NDF : 3245280.2/55

asym_sam4_reg_correction_mean vs Slug



Right In: -1461.995 ± 807.200 χ^2/NDF : 32.1/26

Left Out: -2171.840 ± 461.649 χ^2/NDF : 55.5/24

Right Out: -2991.302 ± 758.959 χ^2/NDF : 41.3/32

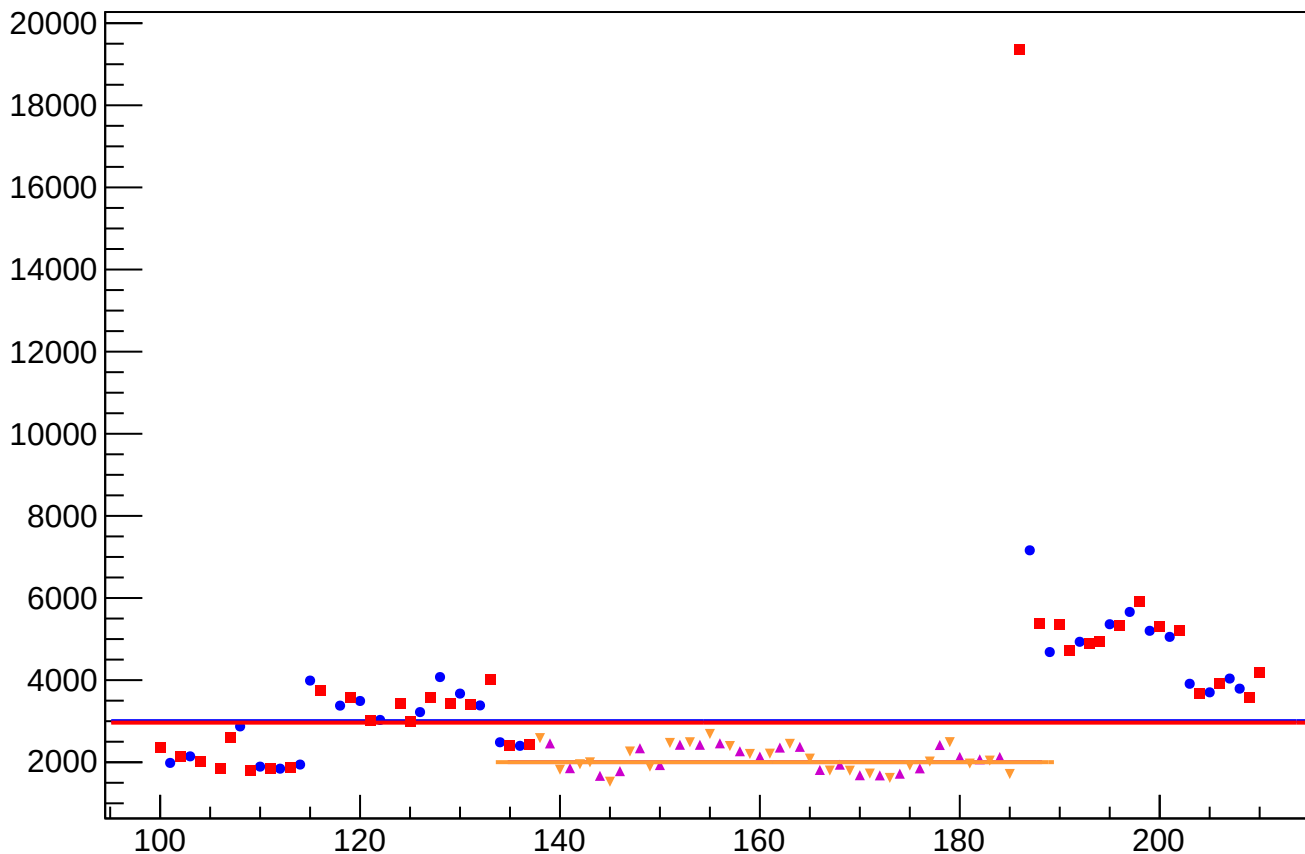
Left In: -313.739 ± 474.086 χ^2/NDF : 23.7/22

+ sign -1996.885 ± 400.740 χ^2/NDF : 88.2/51

All: -1532.637 ± 283.841 χ^2/NDF : 164.7/107

- sign -1065.261 ± 402.087 χ^2/NDF : 73.9/55

asym_sam4_reg_correction_rms vs Slug



Right In: 3001.264+/-0.571 χ^2/NDF : 3753810.5/26

Left Out: 2002.229+/-0.326 χ^2/NDF : 892707.2/24

Right Out: 2964.722+/-0.537 χ^2/NDF : 5478791.5/32

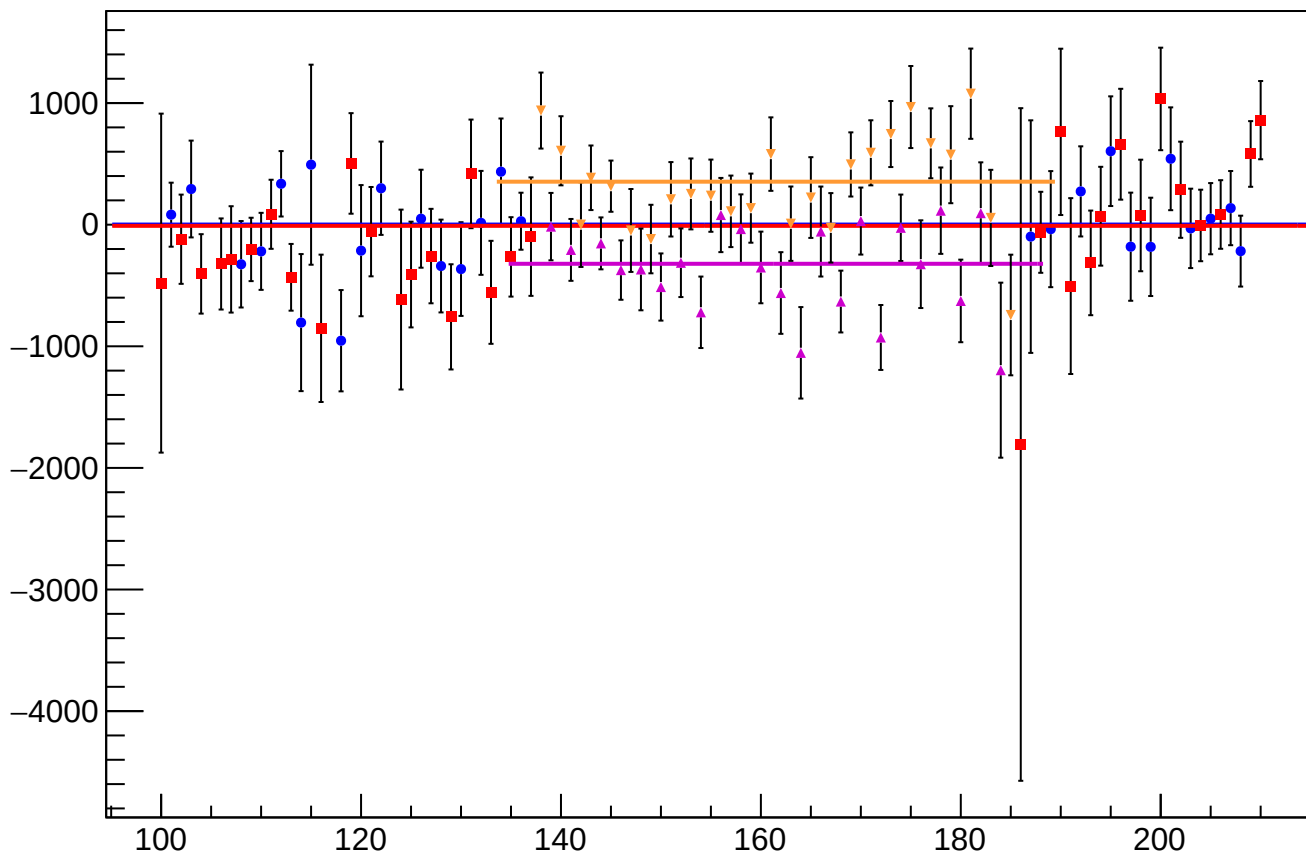
Left In: 2004.244+/-0.335 χ^2/NDF : 704919.9/22

+ sign 2248.460+/-0.283 χ^2/NDF : 6955021.1/51

All: 2261.100+/-0.201 χ^2/NDF : 15446783.2/1

- sign 2273.825+/-0.284 χ^2/NDF : 8487769.2/55

cor_asym_sam4_mean vs Slug



Right In: 1.029 ± 70.743 $\chi^2/\text{NDF}: 19.8/26$

Left Out: 353.640 ± 60.149 $\chi^2/\text{NDF}: 32.3/24$

Right Out: -9.453 ± 66.943 $\chi^2/\text{NDF}: 41.3/32$

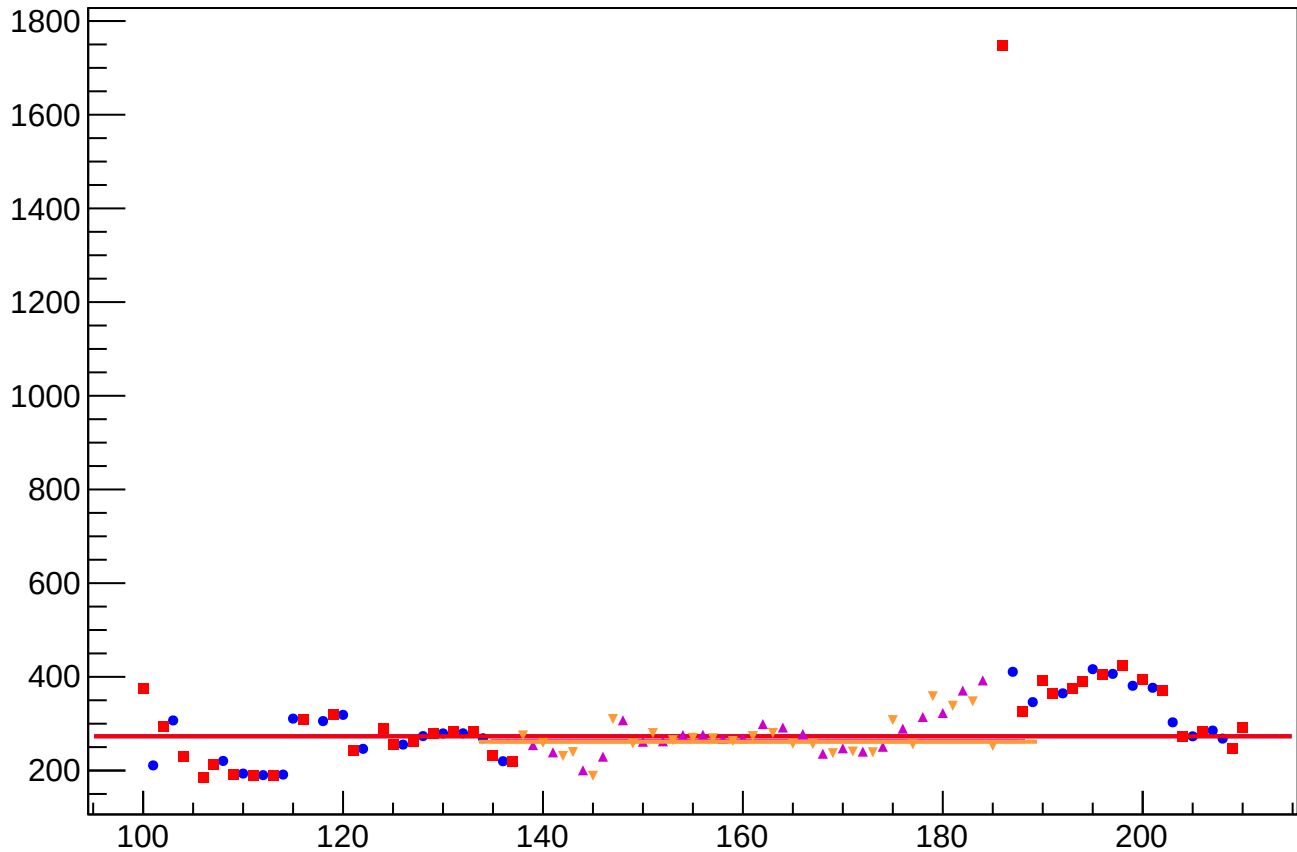
Left In: -321.514 ± 62.113 $\chi^2/\text{NDF}: 26.2/22$

+ sign 205.689 ± 45.824 $\chi^2/\text{NDF}: 66.6/51$

All: 13.048 ± 32.299 $\chi^2/\text{NDF}: 180.9/107$

- sign -177.145 ± 45.532 $\chi^2/\text{NDF}: 79.2/55$

cor_asym_sam4_rms vs Slug



Right In: 273.165+/-0.050 χ^2/NDF : 1552133.4/26

Left Out: 261.470+/-0.043 χ^2/NDF : 715467.9/24

Right Out: 273.050+/-0.047 χ^2/NDF : 2554019.7/32

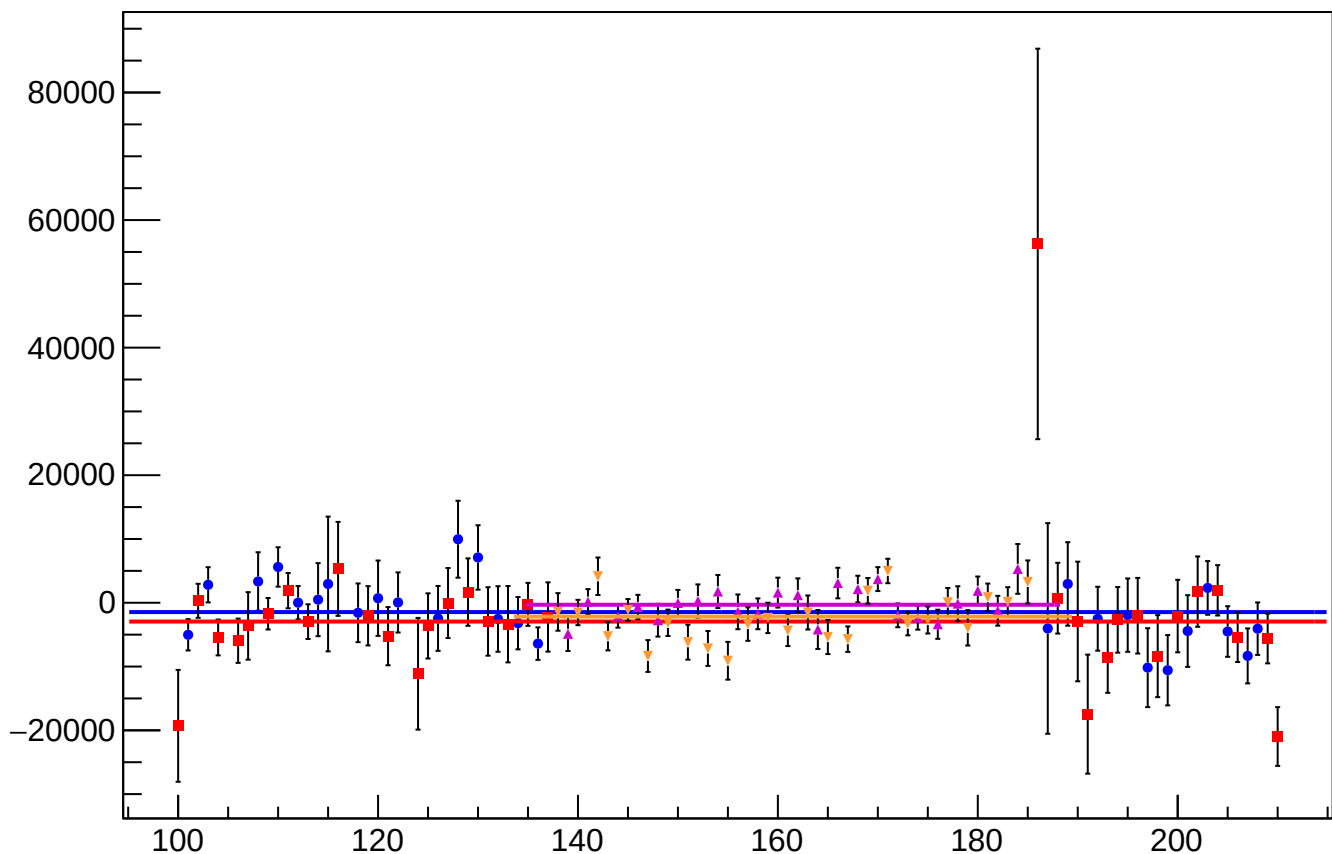
Left In: 262.616+/-0.044 χ^2/NDF : 670646.4/22

+ sign 266.377+/-0.032 χ^2/NDF : 2299330.0/51

All: 266.914+/-0.023 χ^2/NDF : 5550649.4/107

- sign 267.443+/-0.032 χ^2/NDF : 3250774.7/55

asym_sam4_cor_correction_mean vs Slug



Right In: -1462.126 $\pm$ 807.205 χ^2 /NDF: 32.1/26

Left Out: -2171.811 $\pm$ 461.649 χ^2 /NDF:55.5/24

Right Out: -2945.060 $\pm$ 759.993 χ^2 /NDF: 40.8/32

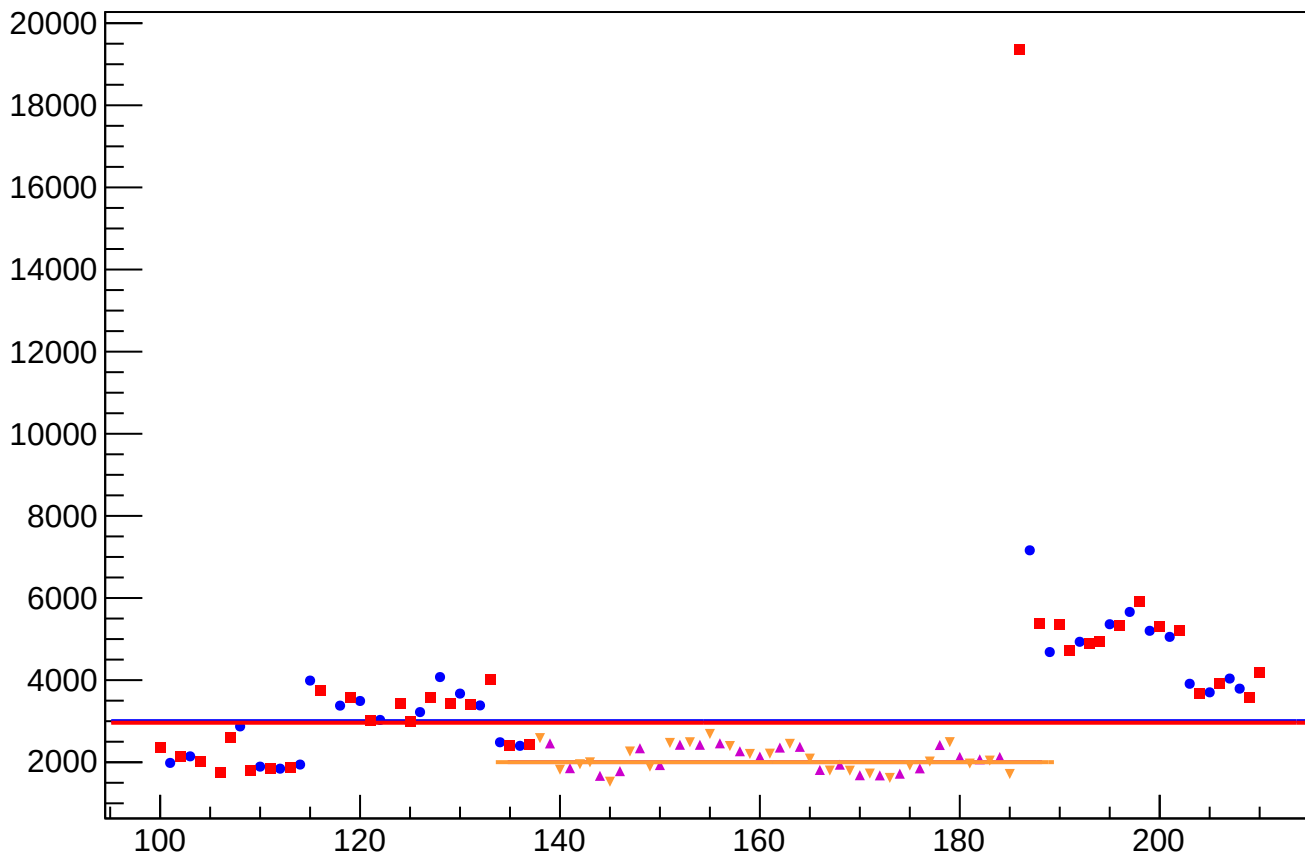
Left In: -313.745 $\pm$ 474.086 χ^2 /NDF:23.7/22

+ sign -1996.897 $\pm$ 400.740 χ^2 /NDF: 88.2/51

All: -1525.637 $\pm$ 283.895 χ^2 /NDF: 164.0/107

- sign -1050.842 $\pm$ 402.240 χ^2 /NDF: 73.0/55

asym_sam4_cor_correction_rms vs Slug



Right In: 3001.289+/-0.571 χ^2/NDF : 3753709.1/26

Left Out: 2002.229+/-0.326 χ^2/NDF : 892706.8/24

Right Out: 2962.450+/-0.537 χ^2/NDF : 5510094.7/32

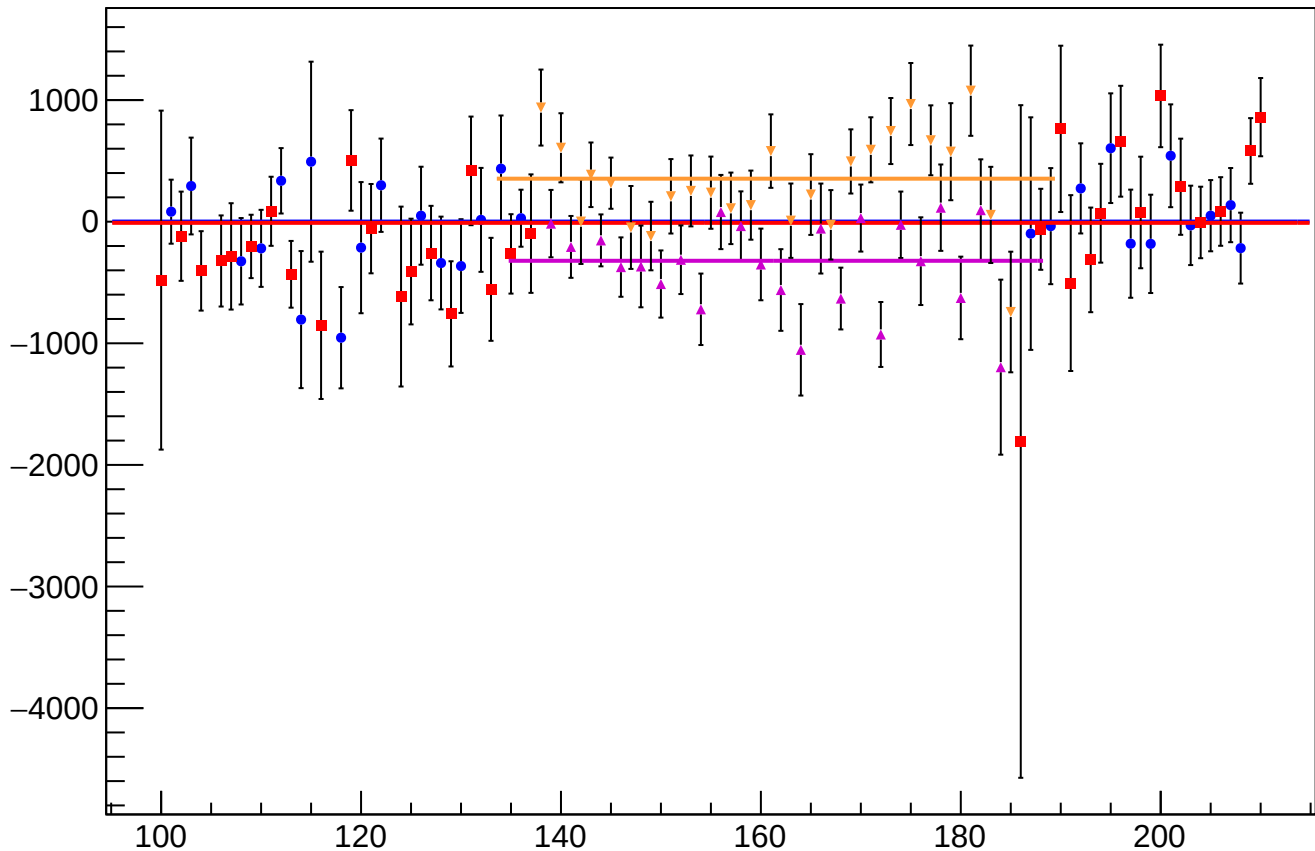
Left In: 2004.244+/-0.335 χ^2/NDF : 704920.5/22

+ sign 2248.464+/-0.283 χ^2/NDF : 6955011.5/51

All: 2260.518+/-0.201 χ^2/NDF : 15462339.2/1

- sign 2272.662+/-0.284 χ^2/NDF : 8503695.3/55

eigen_cor_asym_sam4_mean vs Slug



Right In: 1.029 $\pm$ 70.743 χ^2/NDF : 19.8/26

Left Out: 353.640 $\pm$ 60.149 χ^2/NDF : 32.3/24

Right Out: -9.453 $\pm$ 66.943 χ^2/NDF : 41.3/32

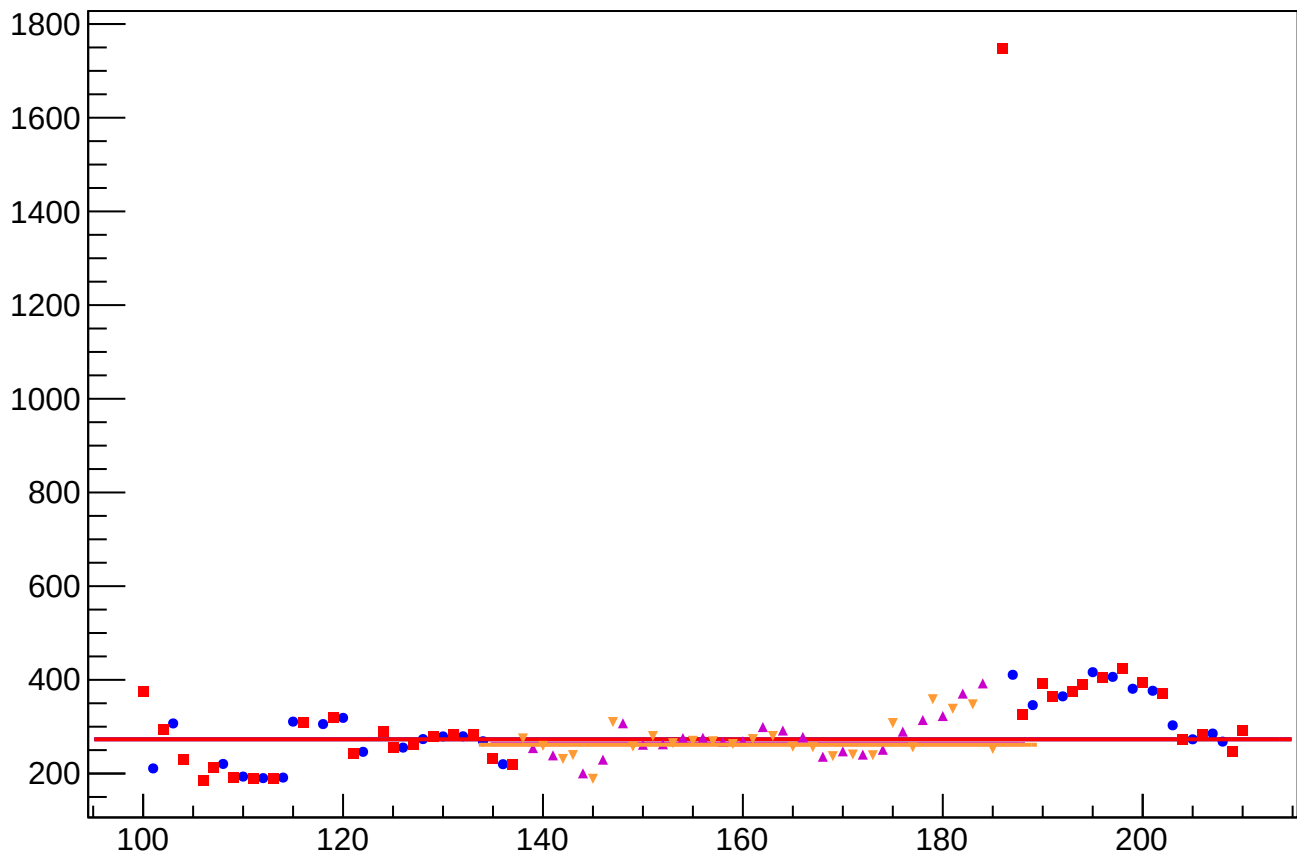
Left In: -321.514 $\pm$ 62.113 χ^2/NDF : 26.2/22

+ sign 205.689 $\pm$ 45.824 χ^2/NDF : 66.6/51

All: 13.048 $\pm$ 32.299 χ^2/NDF : 180.9/107

- sign -177.145 $\pm$ 45.532 χ^2/NDF : 79.2/55

eigen_cor_asym_sam4_rms vs Slug



Right In: 273.165+/-0.050 χ^2/NDF : 1552133.4/26

Left Out: 261.470+/-0.043 χ^2/NDF : 715467.9/24

Right Out: 273.050+/-0.047 χ^2/NDF : 2554019.7/32

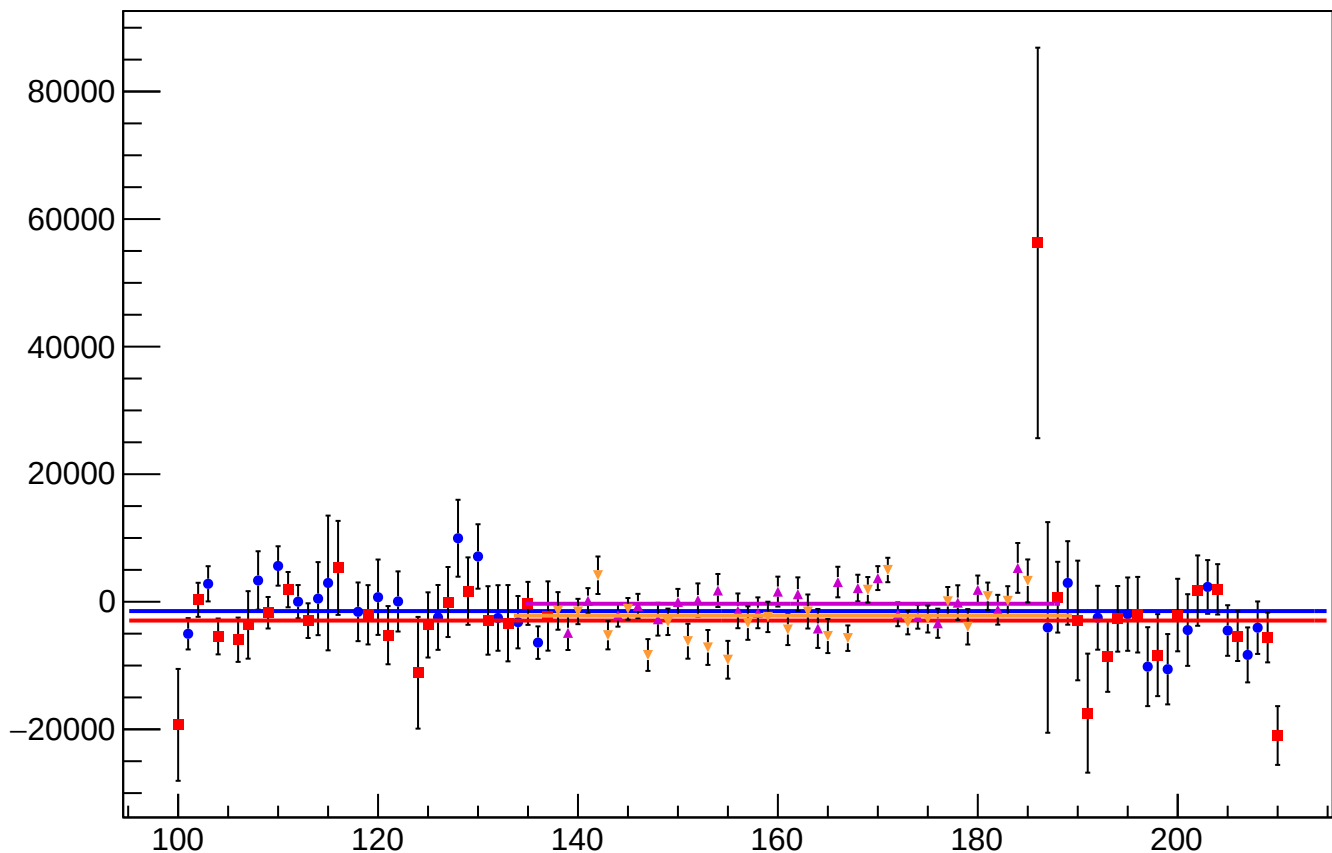
Left In: 262.616+/-0.044 χ^2/NDF : 670646.4/22

+ sign 266.377+/-0.032 χ^2/NDF : 2299330.0/51

All: 266.914+/-0.023 χ^2/NDF : 5550649.4/107

- sign 267.443+/-0.032 χ^2/NDF : 3250774.7/55

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -1462.126 ± 807.205 χ^2/NDF : 32.1/26

Left Out: -2171.811 ± 461.649 χ^2/NDF : 55.5/24

Right Out: -2945.060 ± 759.993 χ^2/NDF : 40.8/32

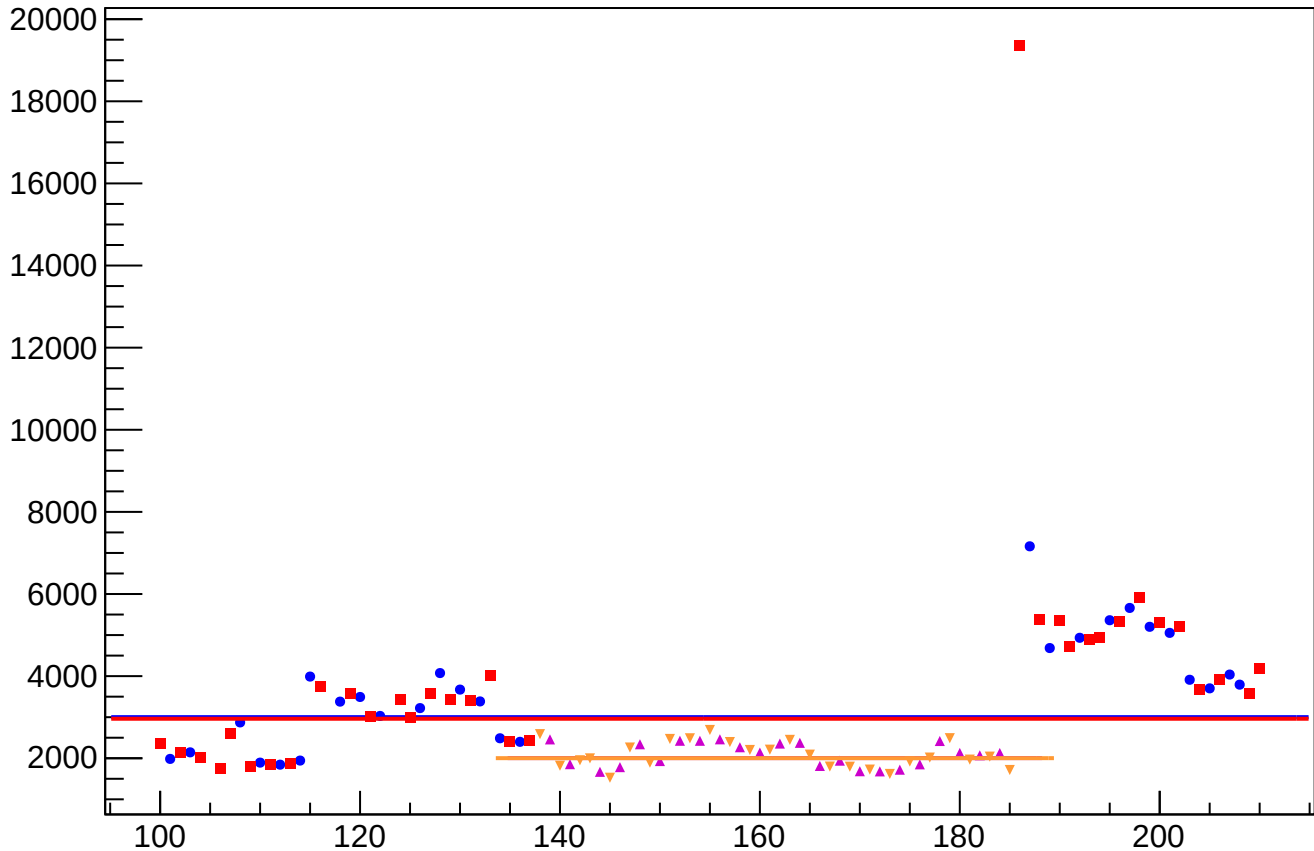
Left In: -313.745 ± 474.086 χ^2/NDF : 23.7/22

+ sign -1996.897 ± 400.740 χ^2/NDF : 88.2/51

All: -1525.637 ± 283.895 χ^2/NDF : 164.0/107

- sign -1050.842 ± 402.240 χ^2/NDF : 73.0/55

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 3001.289+/-0.571 χ^2/NDF : 3753709.1/26

Left Out: 2002.229+/-0.326 χ^2/NDF : 892706.8/24

+ sign 2248.464+/-0.283 χ^2/NDF : 6955011.5/51

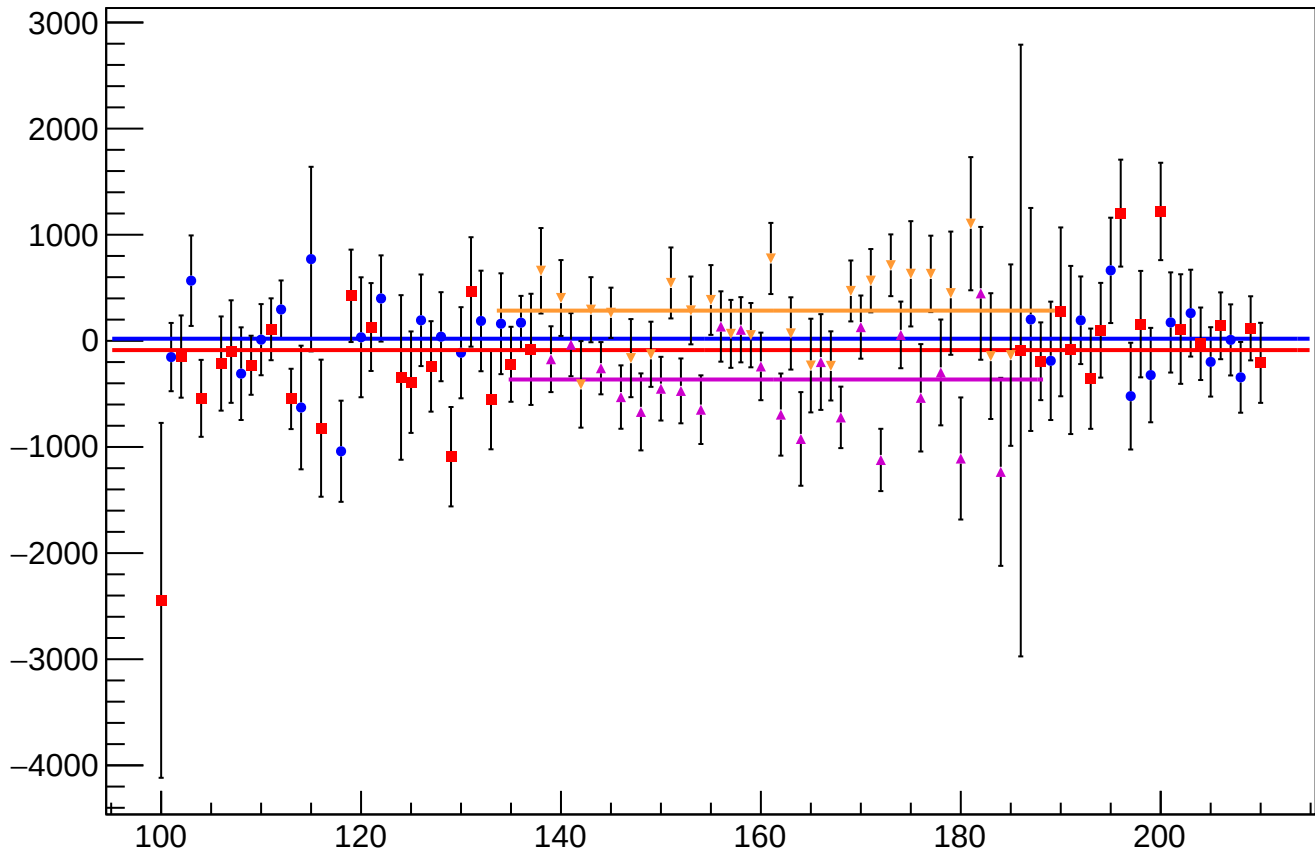
Right Out: 2962.450+/-0.537 χ^2/NDF : 5510094.7/32

All: 2260.518+/-0.201 χ^2/NDF : 15462339.2/1

Left In: 2004.244+/-0.335 χ^2/NDF : 704920.5/22

- sign 2272.662+/-0.284 χ^2/NDF : 8503695.3/55

dit_asym_sam4_mean vs Slug



Right In: 20.074 ± 78.485 χ^2/NDF : 18.0/26

Left Out: 284.913 ± 70.036 χ^2/NDF : 22.8/24

Right Out: -87.111 ± 73.725 χ^2/NDF : 34.4/32

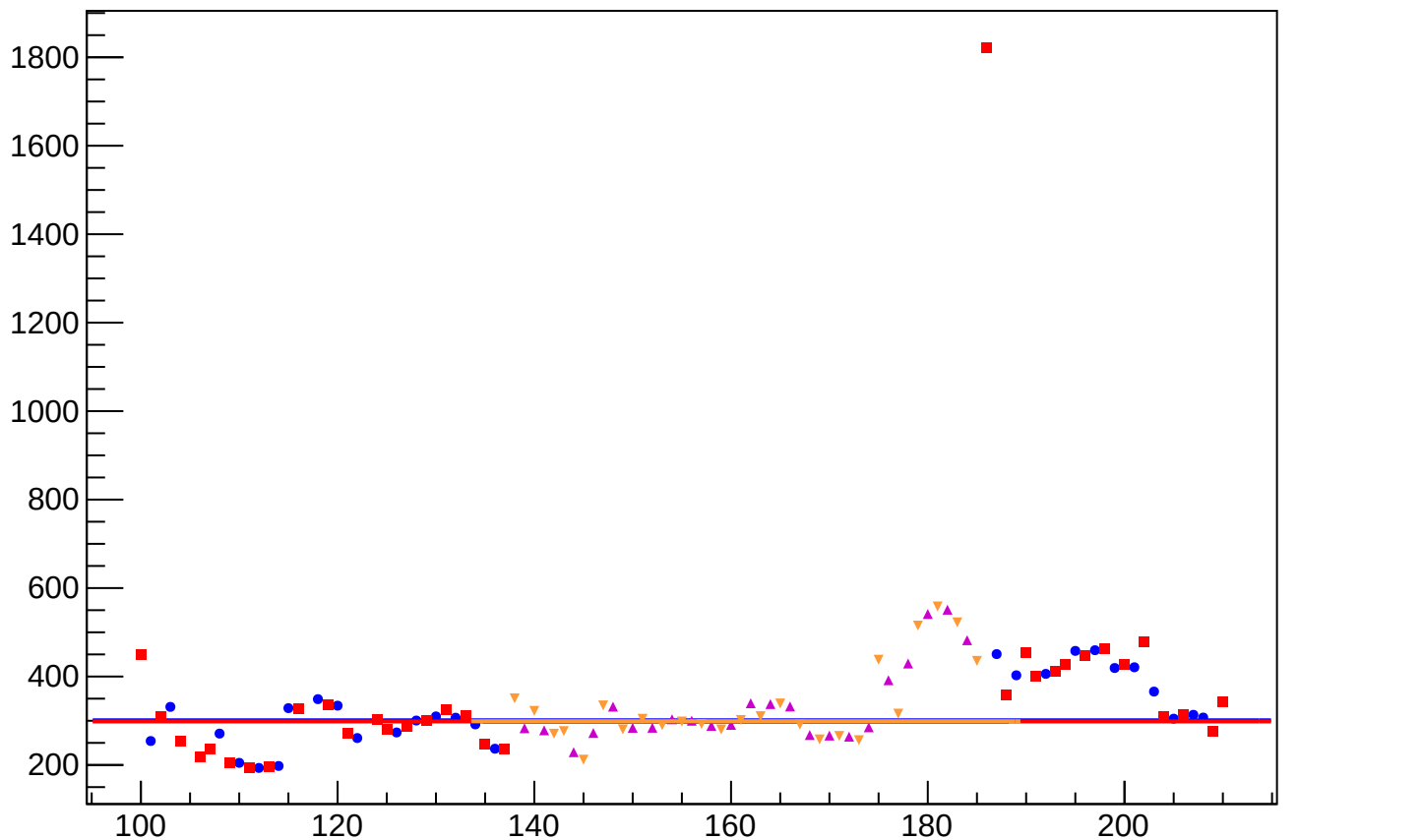
Left In: -364.163 ± 71.714 χ^2/NDF : 28.2/22

+ sign 167.511 ± 52.256 χ^2/NDF : 47.2/51

All: -34.234 ± 36.646 χ^2/NDF : 146.4/107

- sign -229.469 ± 51.406 χ^2/NDF : 69.9/55

dit_asym_sam4_rms vs Slug



Right In: 301.093+/-0.055 χ^2/NDF : 1745925.1/26

Left Out: 298.938+/-0.050 χ^2/NDF : 1613077.3/24

Right Out: 298.445+/-0.052 χ^2/NDF : 2844982.8/32

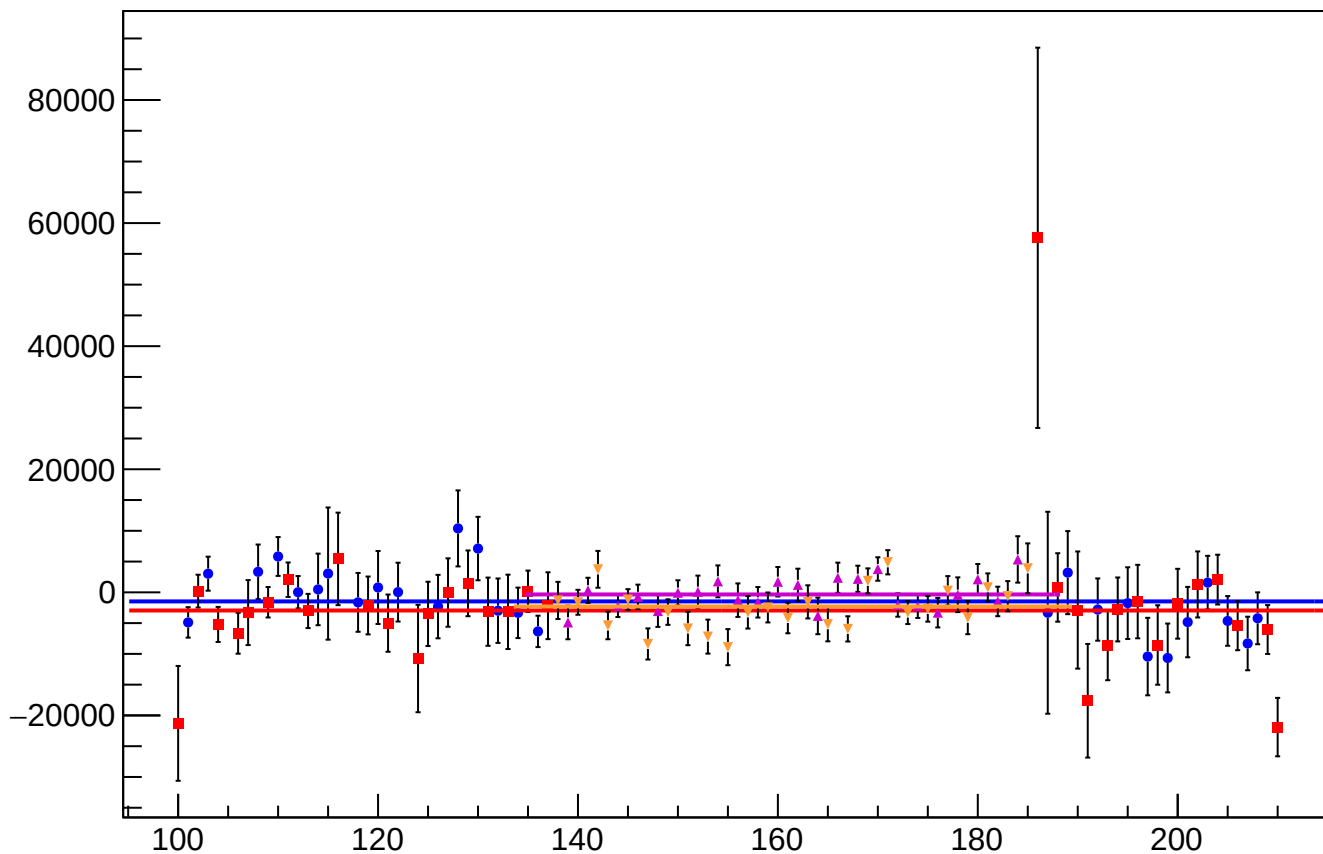
Left In: 297.885+/-0.051 χ^2/NDF : 1319062.0/22

+ sign 299.893+/-0.037 χ^2/NDF : 3359842.1/51

All: 299.011+/-0.026 χ^2/NDF : 7525068.1/107

- sign 298.157+/-0.036 χ^2/NDF : 4164104.0/55

asym_sam4_dit_correction_mean vs Slug



Right In: -1473.198 ± 816.145 χ^2/NDF : 32.0/26

Left Out: -2290.992 ± 470.518 χ^2/NDF : 51.7/24

Right Out: -2949.580 ± 765.557 χ^2/NDF : 42.5/32

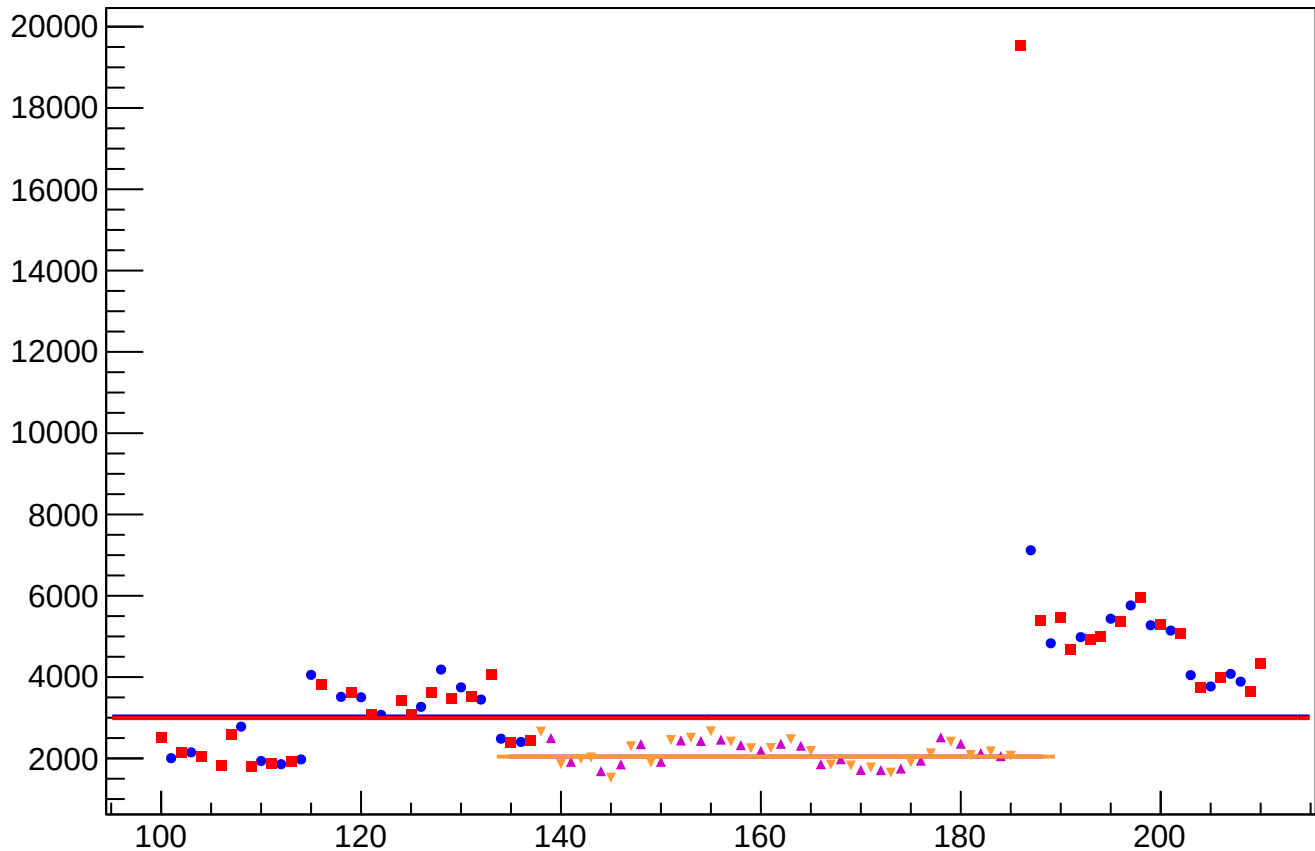
Left In: -342.609 ± 483.605 χ^2/NDF : 22.8/22

+ sign -2086.988 ± 407.628 χ^2/NDF : 84.4/51

All: -1588.100 ± 288.671 χ^2/NDF : 161.1/107

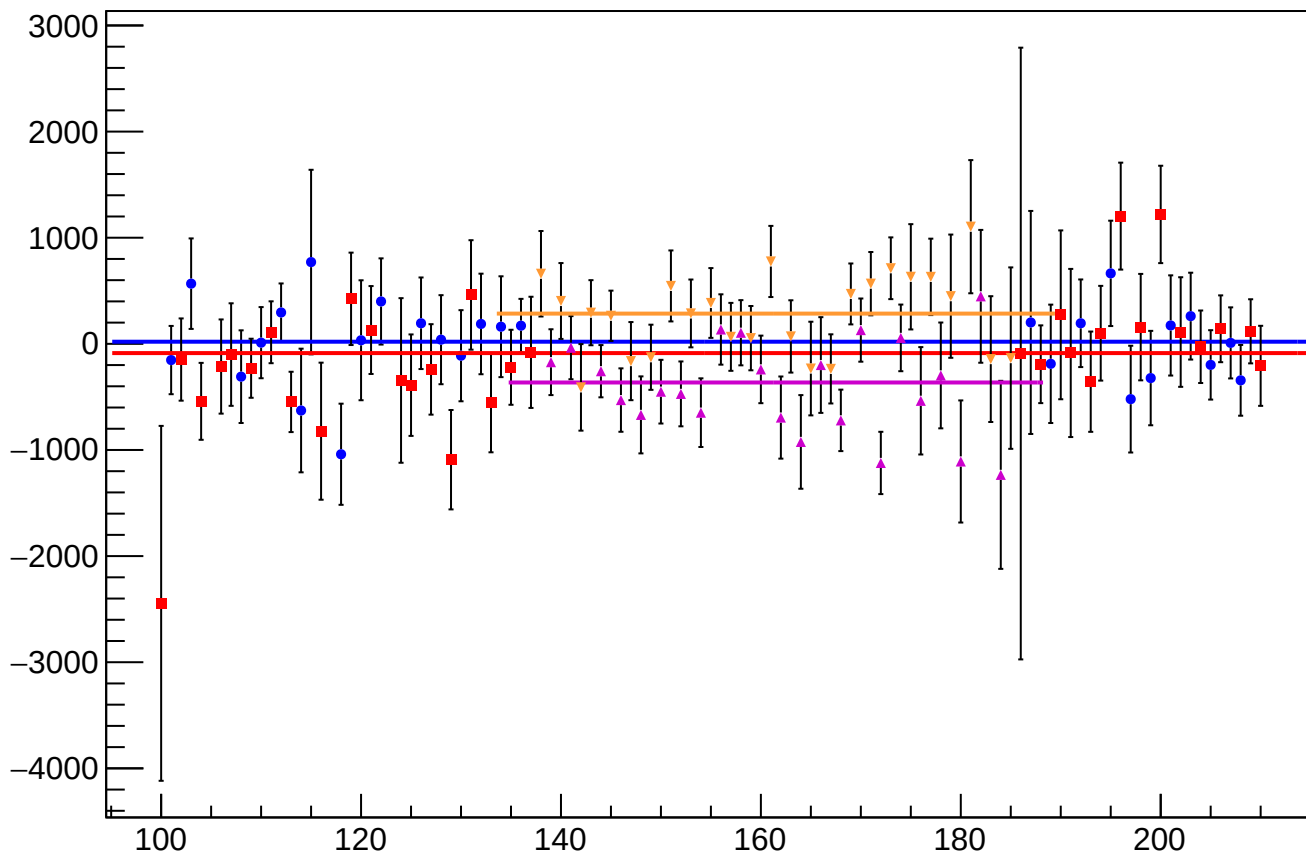
- sign -1086.193 ± 408.860 χ^2/NDF : 73.6/55

asym_sam4_dit_correction_rms vs Slug



Right In: 3030.853+/-0.577 χ^2/NDF : 3846618.3/26 + sign 2289.985+/-0.288 χ^2/NDF : 6895850.8/51
 Left Out: 2043.746+/-0.333 χ^2/NDF : 853391.4/24 All: 2302.321+/-0.204 χ^2/NDF : 15264901.8/1
 Right Out: 2990.216+/-0.541 χ^2/NDF : 5496740.4/32 - sign 2314.731+/-0.289 χ^2/NDF : 8365376.9/55
 Left In: 2045.178+/-0.342 χ^2/NDF : 690219.7/22

eigen_dit_asym_sam4_mean vs Slug



Right In: 20.078+/-78.485 χ^2/NDF : 18.0/26

Left Out: 284.918+/-70.036 χ^2/NDF :22.8/24

Right Out: -87.108+/-73.725 χ^2/NDF : 34.4/32

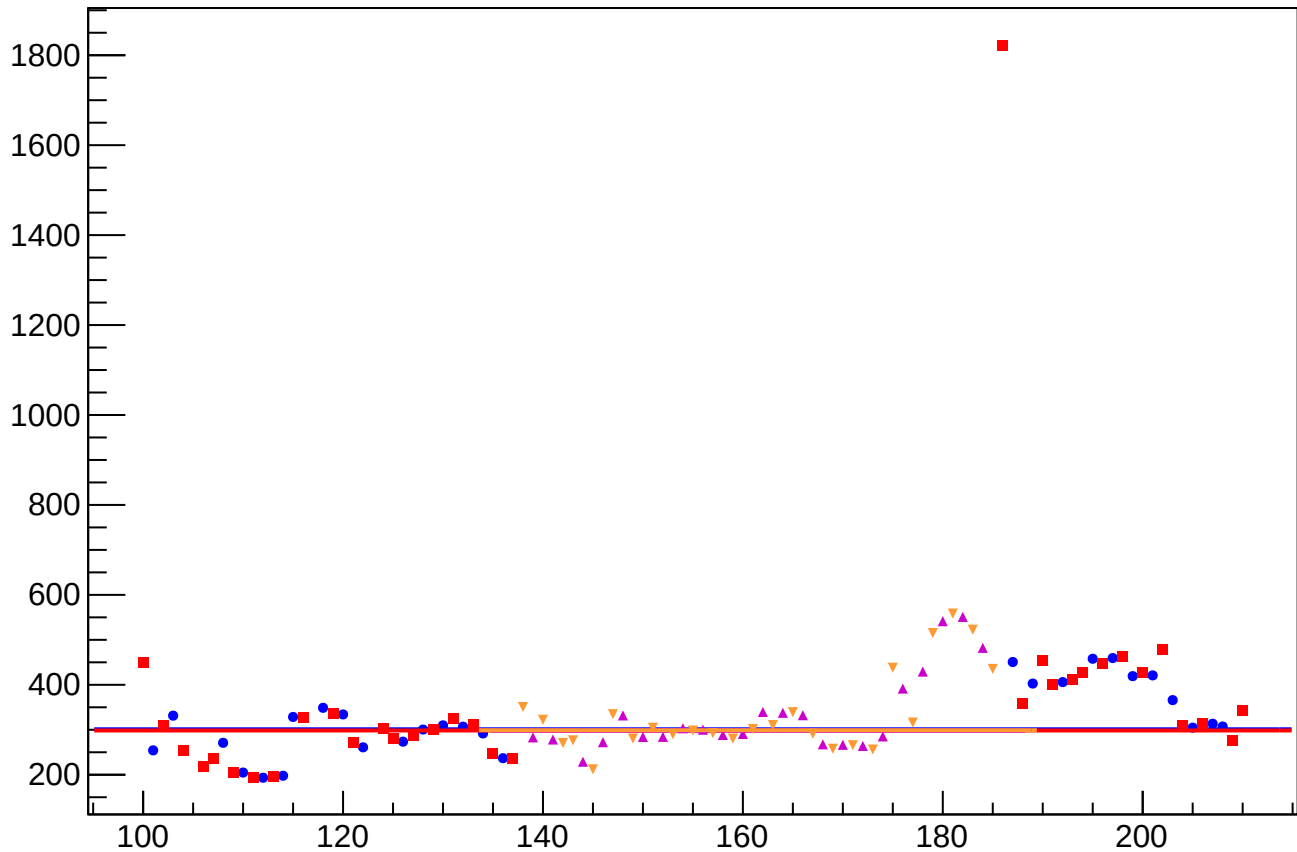
Left In: -364.164+/-71.714 χ^2/NDF :28.2/22

+ sign 167.515+/-52.256 χ^2/NDF : 47.2/51

All: -34.232+/-36.646 χ^2/NDF : 146.4/107

- sign -229.468+/-51.406 χ^2/NDF : 69.9/55

eigen_dit_asym_sam4_rms vs Slug



Right In: 301.093+/-0.055 χ^2/NDF : 1745912.6/26

Left Out: 298.938+/-0.050 χ^2/NDF : 1613074.5/24

Right Out: 298.445+/-0.052 χ^2/NDF : 2844987.4/32

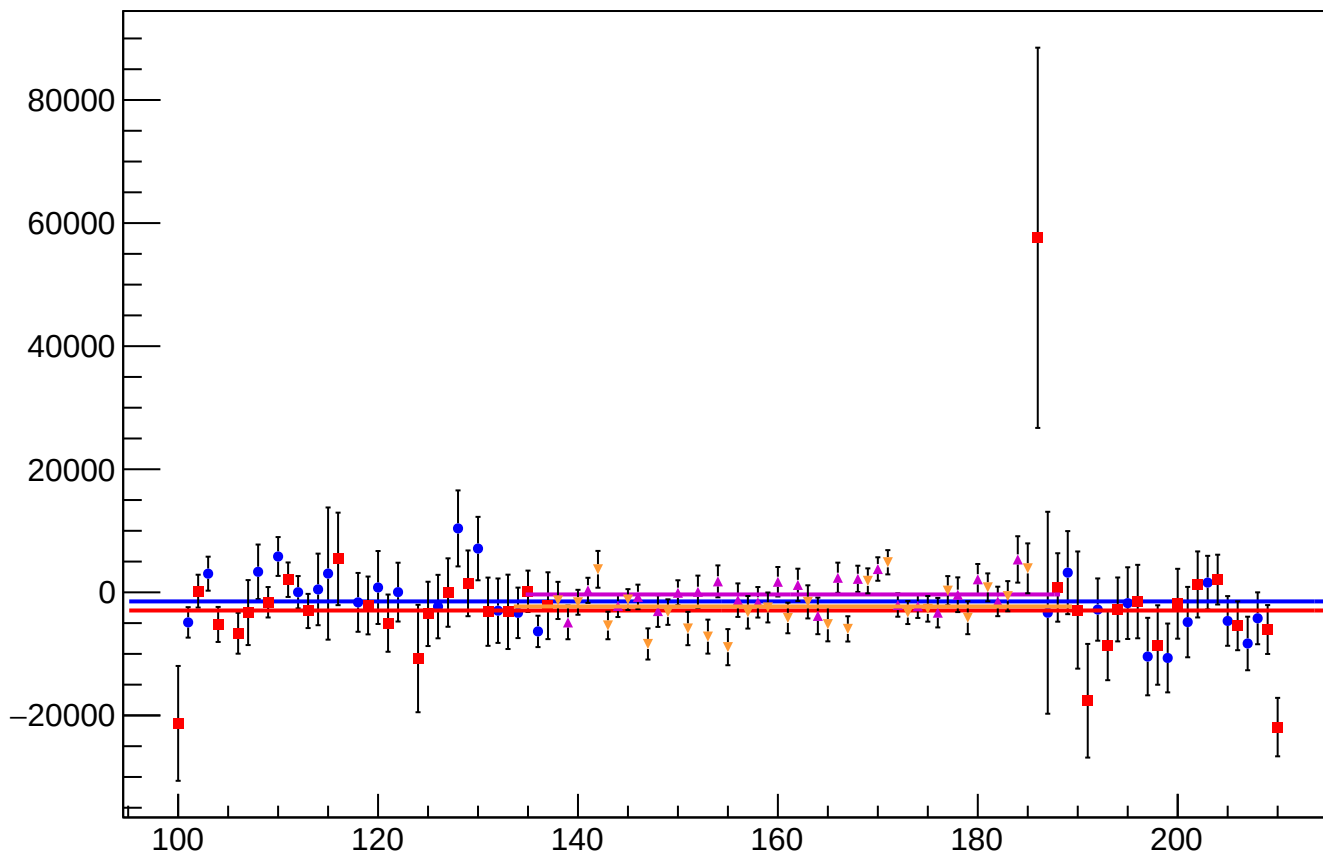
Left In: 297.885+/-0.051 χ^2/NDF : 1319043.7/22

+ sign 299.894+/-0.037 χ^2/NDF : 3359826.5/51

All: 299.011+/-0.026 χ^2/NDF : 7525038.7/107

- sign 298.157+/-0.036 χ^2/NDF : 4164090.2/55

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -1473.195 ± 816.144 χ^2/NDF : 32.0/26

Left Out: -2290.986 ± 470.517 χ^2/NDF : 51.7/24

Right Out: -2949.576 ± 765.556 χ^2/NDF : 42.5/32

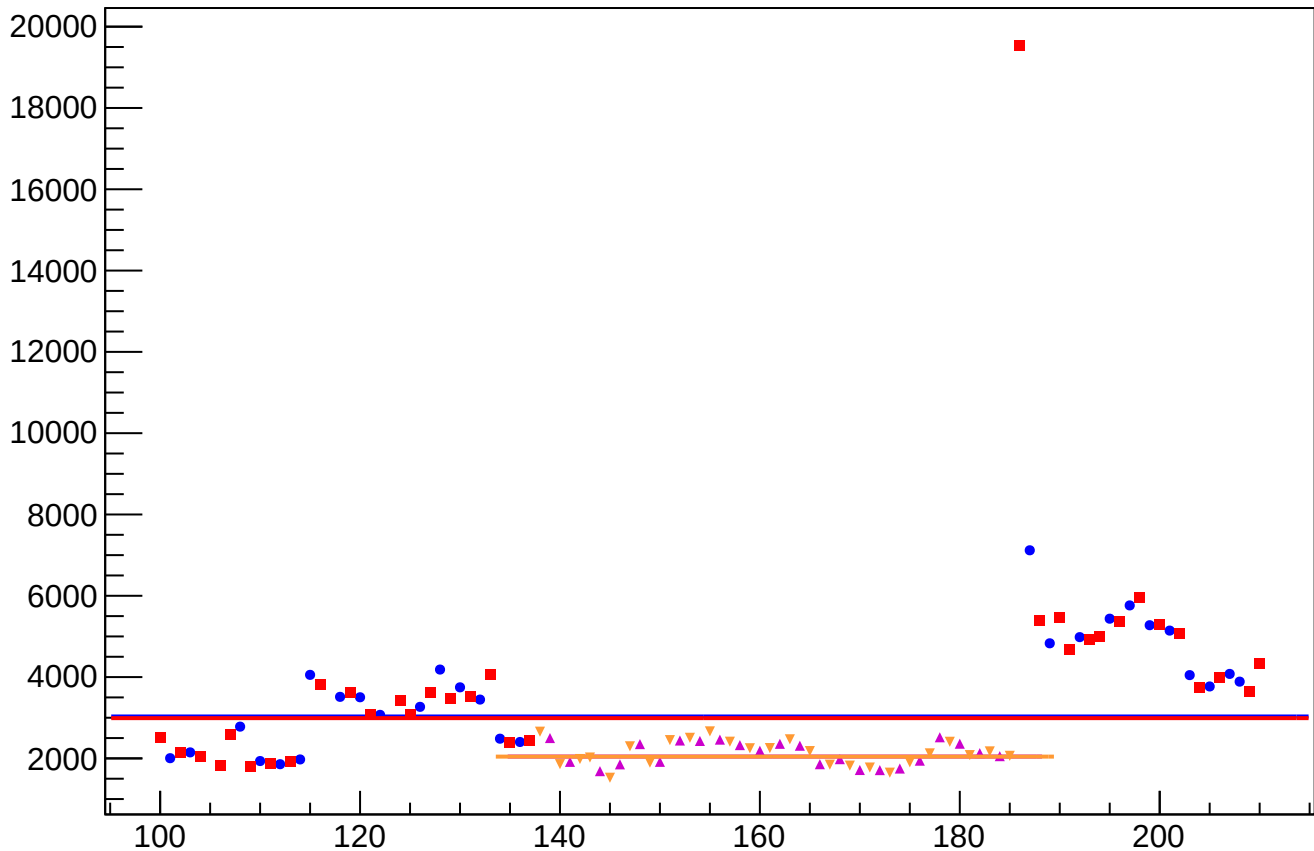
Left In: -342.606 ± 483.604 χ^2/NDF : 22.8/22

+ sign -2086.984 ± 407.627 χ^2/NDF : 84.4/51

All: -1588.096 ± 288.671 χ^2/NDF : 161.1/107

- sign -1086.189 ± 408.859 χ^2/NDF : 73.6/55

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 3030.851+/-0.577 χ^2/NDF : 3846617.0/26

Left Out: 2043.742+/-0.333 χ^2/NDF : 853393.7/24

Right Out: 2990.214+/-0.541 χ^2/NDF : 5496736.9/32

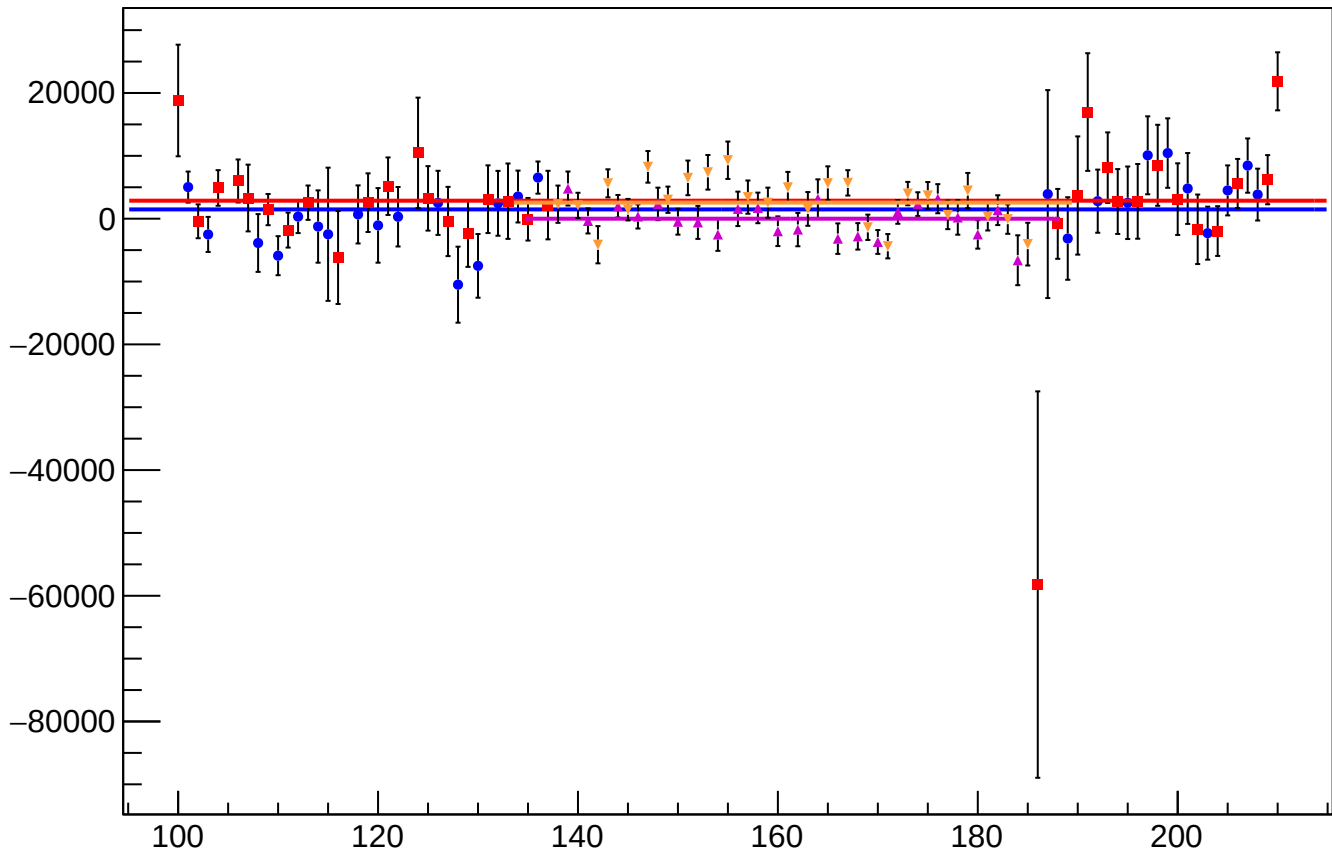
Left In: 2045.175+/-0.342 χ^2/NDF : 690218.2/22

+ sign 2289.982+/-0.288 χ^2/NDF : 6895860.4/51

All: 2302.318+/-0.204 χ^2/NDF : 15264914.0/101

- sign 2314.728+/-0.289 χ^2/NDF : 8365379.5/55

asym_sam4_mean vs Slug



Right In: 1474.687 ± 811.096 χ^2/NDF : 33.1/26

Left Out: 2559.048 ± 465.944 χ^2/NDF : 52.7/24

Right Out: 2864.560 ± 762.917 χ^2/NDF : 42.5/32

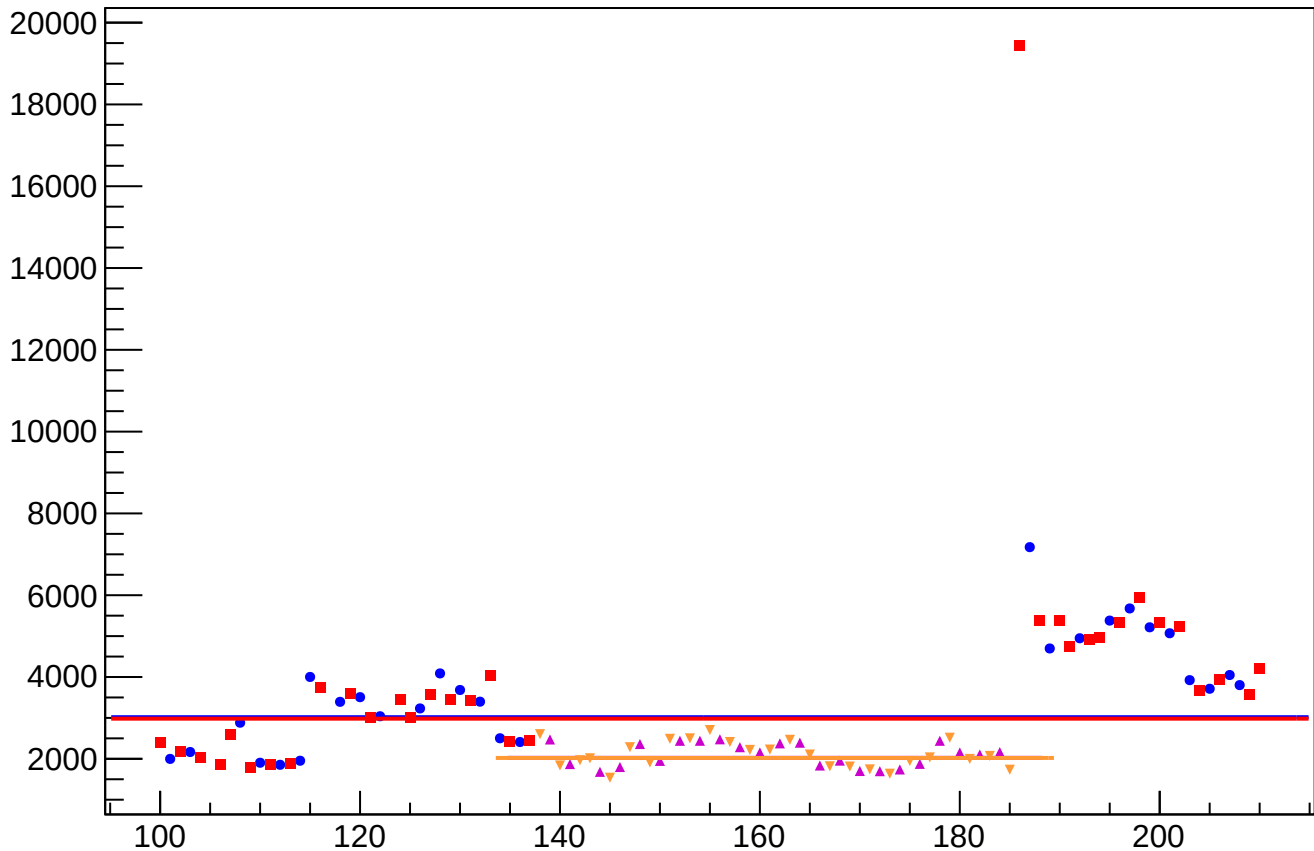
Left In: -3.474 ± 478.514 χ^2/NDF : 24.7/22

+ sign 2289.992 ± 404.024 χ^2/NDF : 87.1/51

All: 1550.602 ± 286.164 χ^2/NDF : 171.1/107

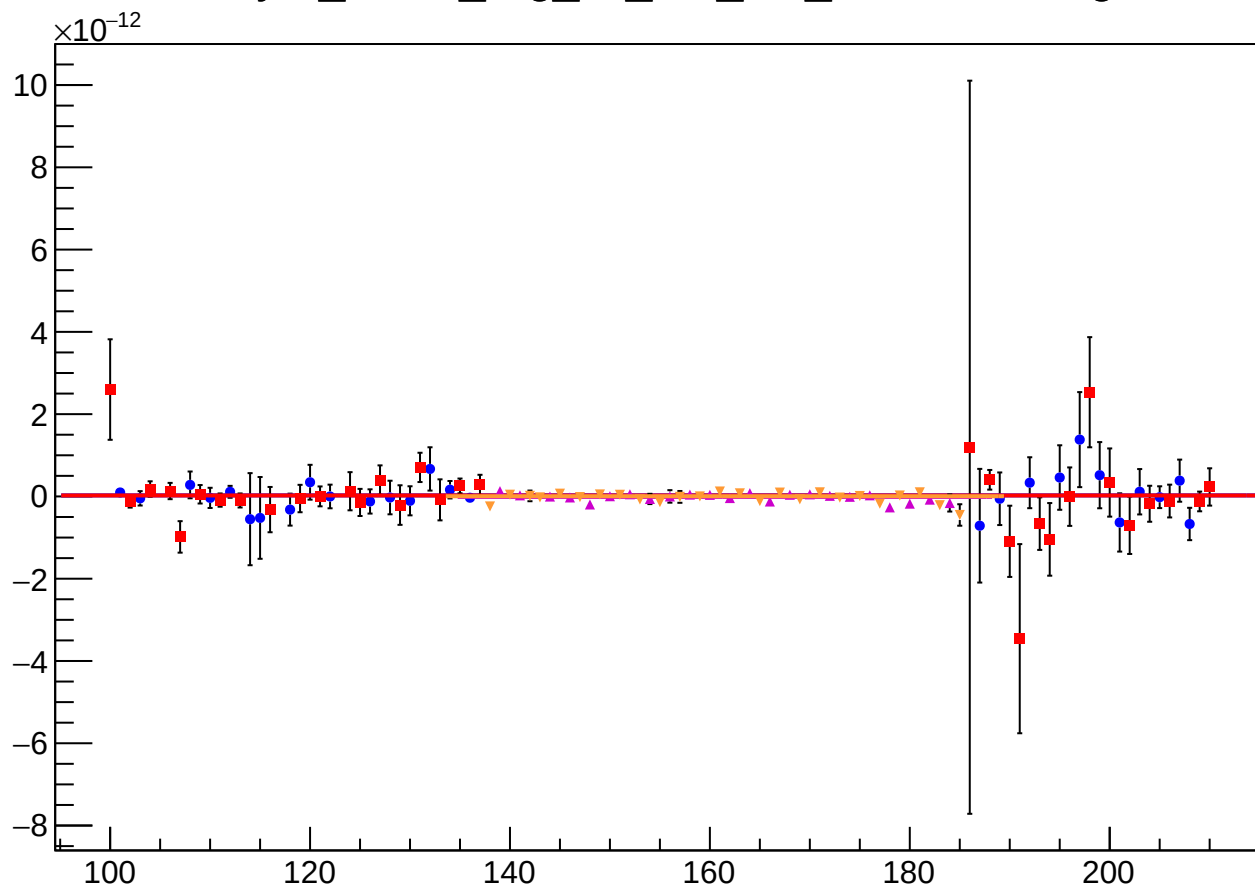
- sign 806.261 ± 405.375 χ^2/NDF : 77.3/55

asym_sam4_rms vs Slug



Right In: 3017.438+/-0.574	χ^2/NDF : 3723823.1/26	+ sign 2268.440+/-0.286	χ^2/NDF : 6873490.7/51
Left Out: 2021.266+/-0.329	χ^2/NDF : 881370.9/24	All: 2281.123+/-0.202	χ^2/NDF : 15277734.0/101
Right Out: 2981.759+/-0.539	χ^2/NDF : 5438743.5/32	- sign 2293.891+/-0.287	χ^2/NDF : 8400288.4/55
Left In: 2023.284+/-0.338	χ^2/NDF : 696055.4/22		

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 13.3/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 32.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 37.9/32

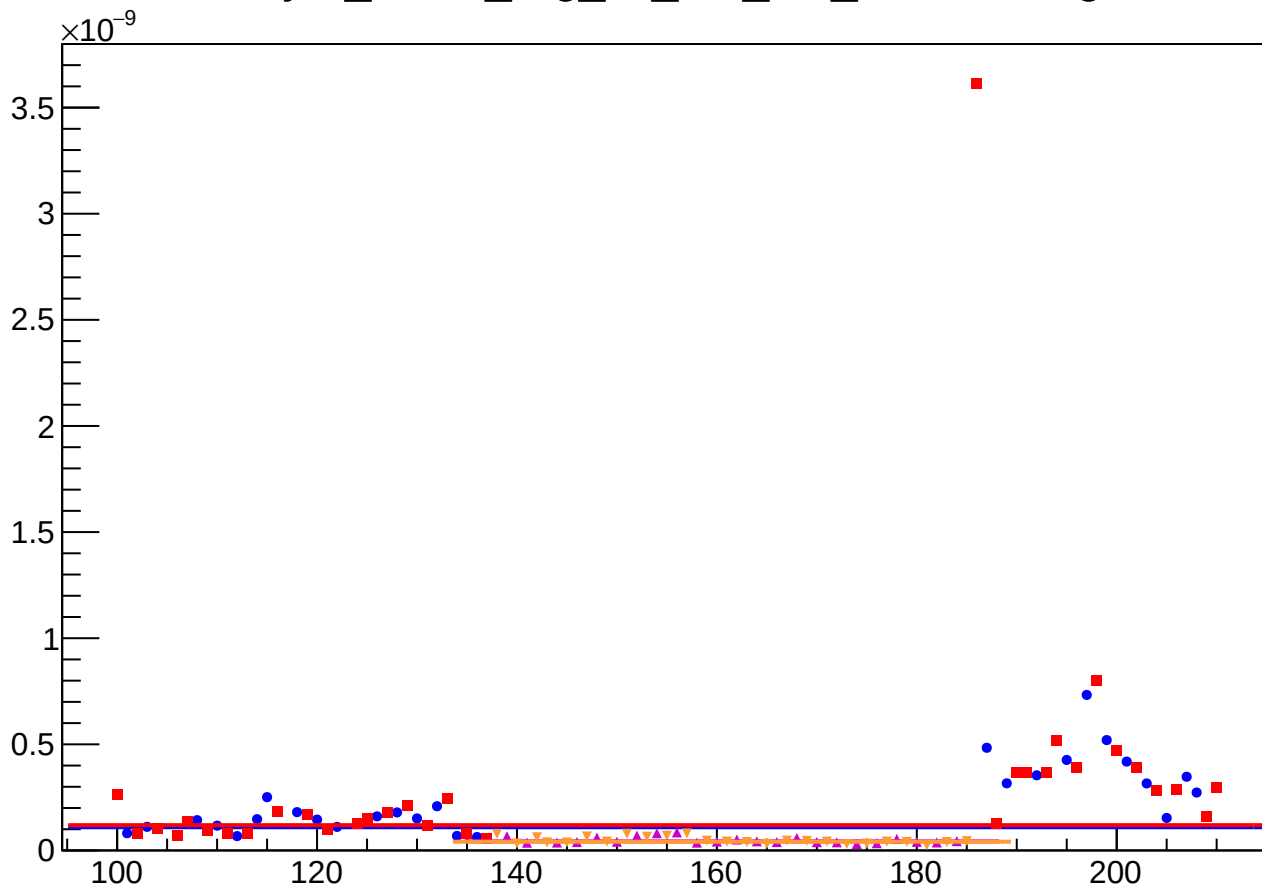
Left In: -0.000 ± 0.000 χ^2/NDF : 20.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 45.5/51

All: -0.000 ± 0.000 χ^2/NDF : 105.2/107

- sign -0.000 ± 0.000 χ^2/NDF : 59.2/55

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4780083.8/26

Left Out: 0.000+/-0.000 χ^2/NDF :1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4856237.0/32

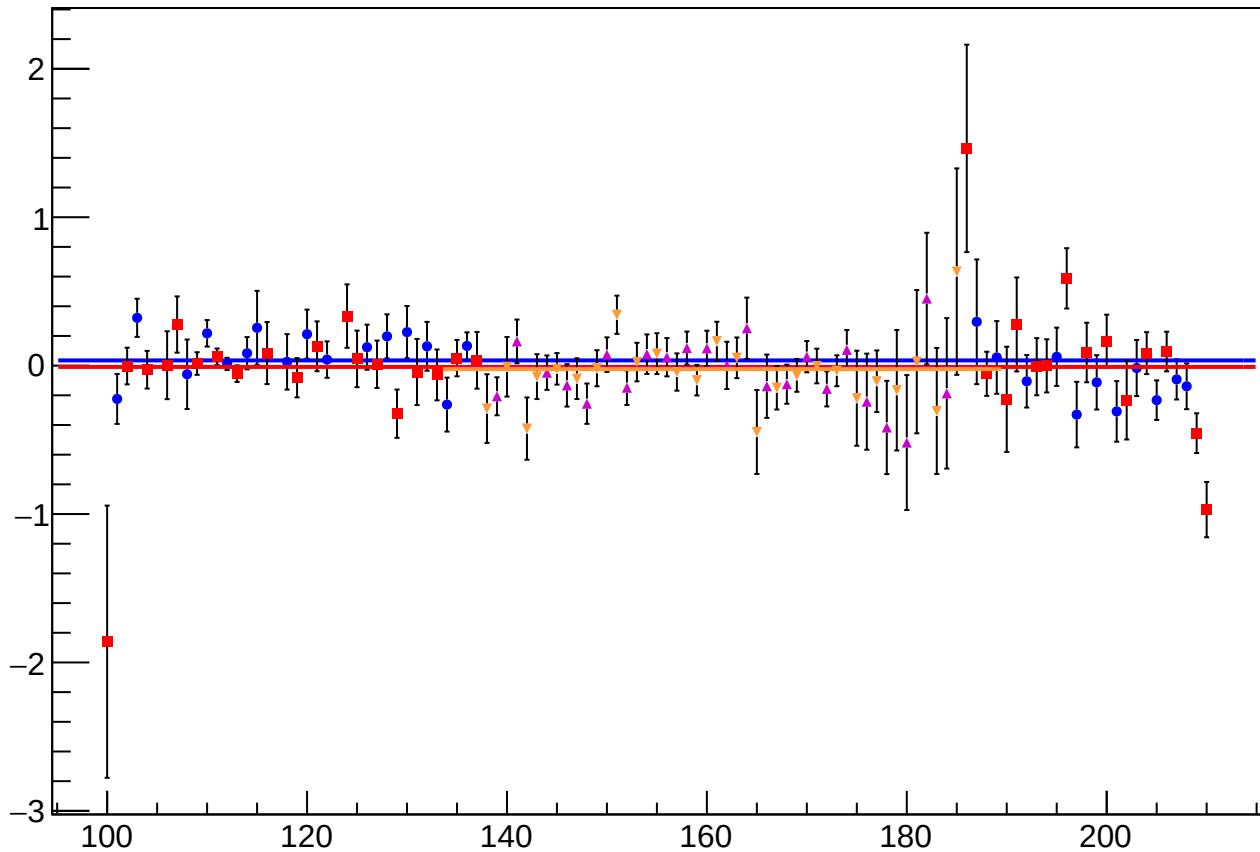
Left In: 0.000+/-0.000 χ^2/NDF :931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 9391707.6/51

All: 0.000+/-0.000 χ^2/NDF : 19226988.3/107

- sign 0.000+/-0.000 χ^2/NDF : 9799098.4/55

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 ± 0.024 χ^2/NDF : 34.6/26

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: -0.009 ± 0.024 χ^2/NDF : 71.7/32

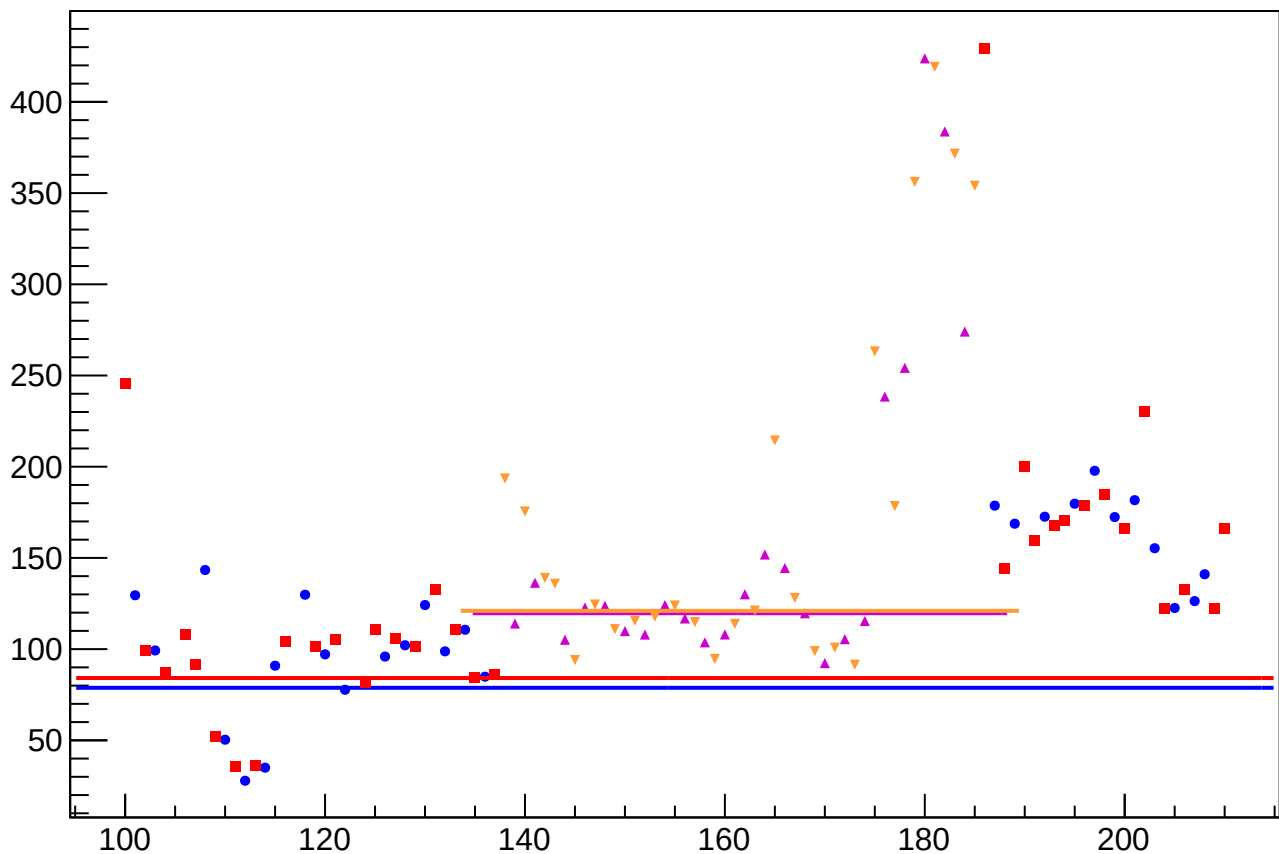
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign 0.012 ± 0.019 χ^2/NDF : 59.1/51

All: -0.000 ± 0.013 χ^2/NDF : 154.8/107

- sign -0.013 ± 0.019 χ^2/NDF : 94.8/55

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 78.795 $\pm$ 0.017 χ^2 /NDF: 8667787.1/26

Left Out: 120.999 $\pm$ 0.021 χ^2 /NDF: 4095266.9/24

Right Out: 84.158 $\pm$ 0.017 χ^2 /NDF: 8742848.9/32

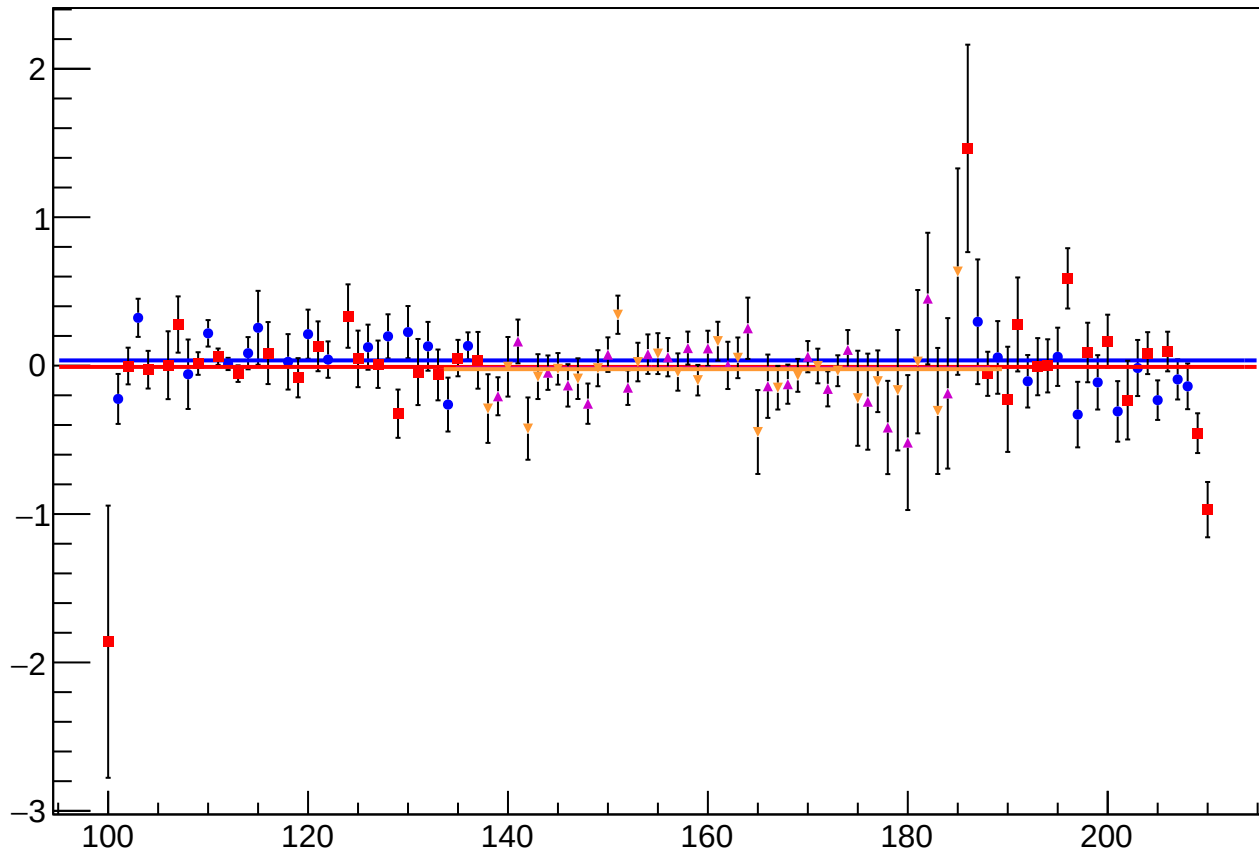
Left In: 119.679 $\pm$ 0.021 χ^2 /NDF: 2838257.9/22

+ sign 95.505 $\pm$ 0.013 χ^2 /NDF: 15169573.3/51

All: 96.565 $\pm$ 0.009 χ^2 /NDF: 28480184.1/107

- sign 97.600 $\pm$ 0.013 χ^2 /NDF: 13298071.7/55

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035 ± 0.024 χ^2/NDF : 34.6/26

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: -0.009 ± 0.024 χ^2/NDF : 71.7/32

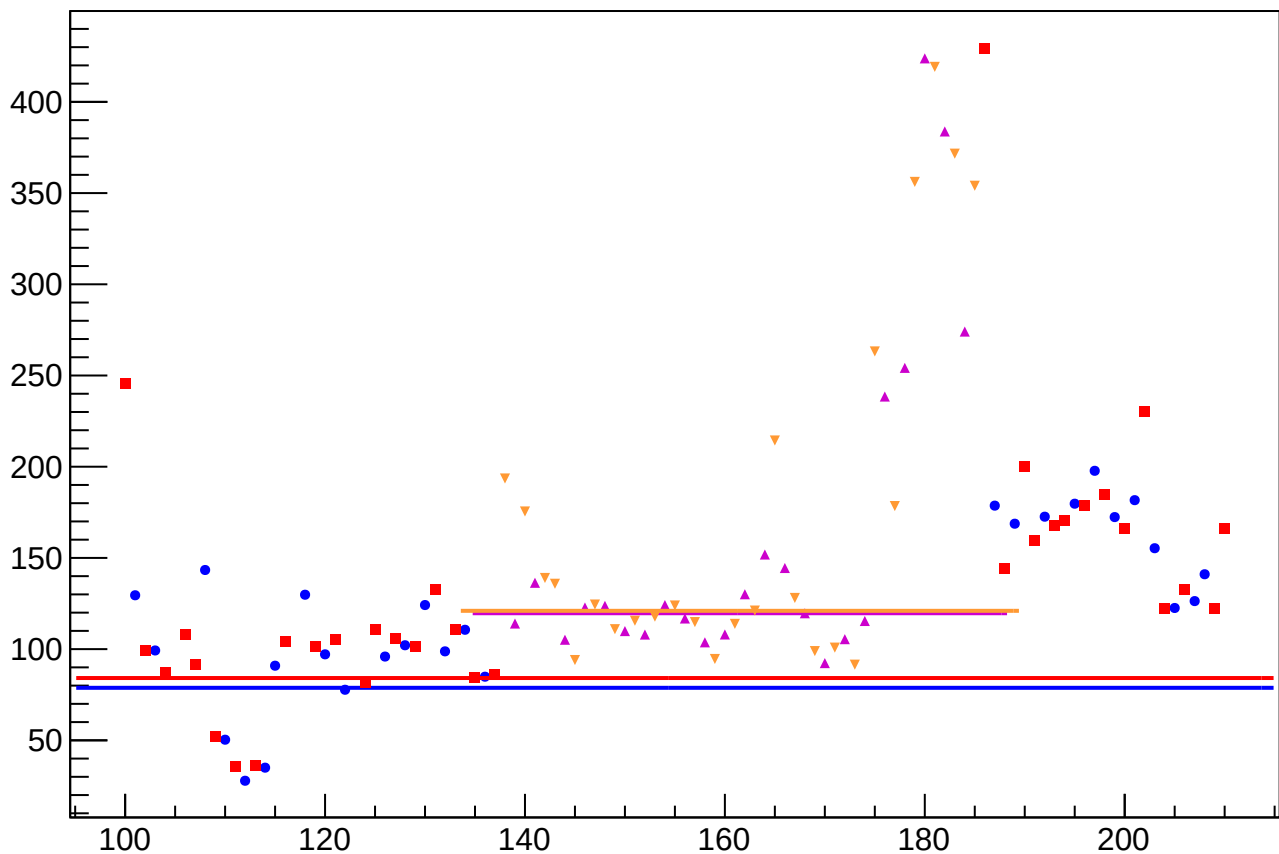
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign 0.012 ± 0.019 χ^2/NDF : 59.1/51

All: -0.000 ± 0.013 χ^2/NDF : 154.8/107

- sign -0.013 ± 0.019 χ^2/NDF : 94.8/55

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 78.795 ± 0.017 χ^2/NDF : 8667787.1/26

Left Out: 120.999 ± 0.021 χ^2/NDF : 4095266.9/24

Right Out: 84.158 ± 0.017 χ^2/NDF : 8742848.9/32

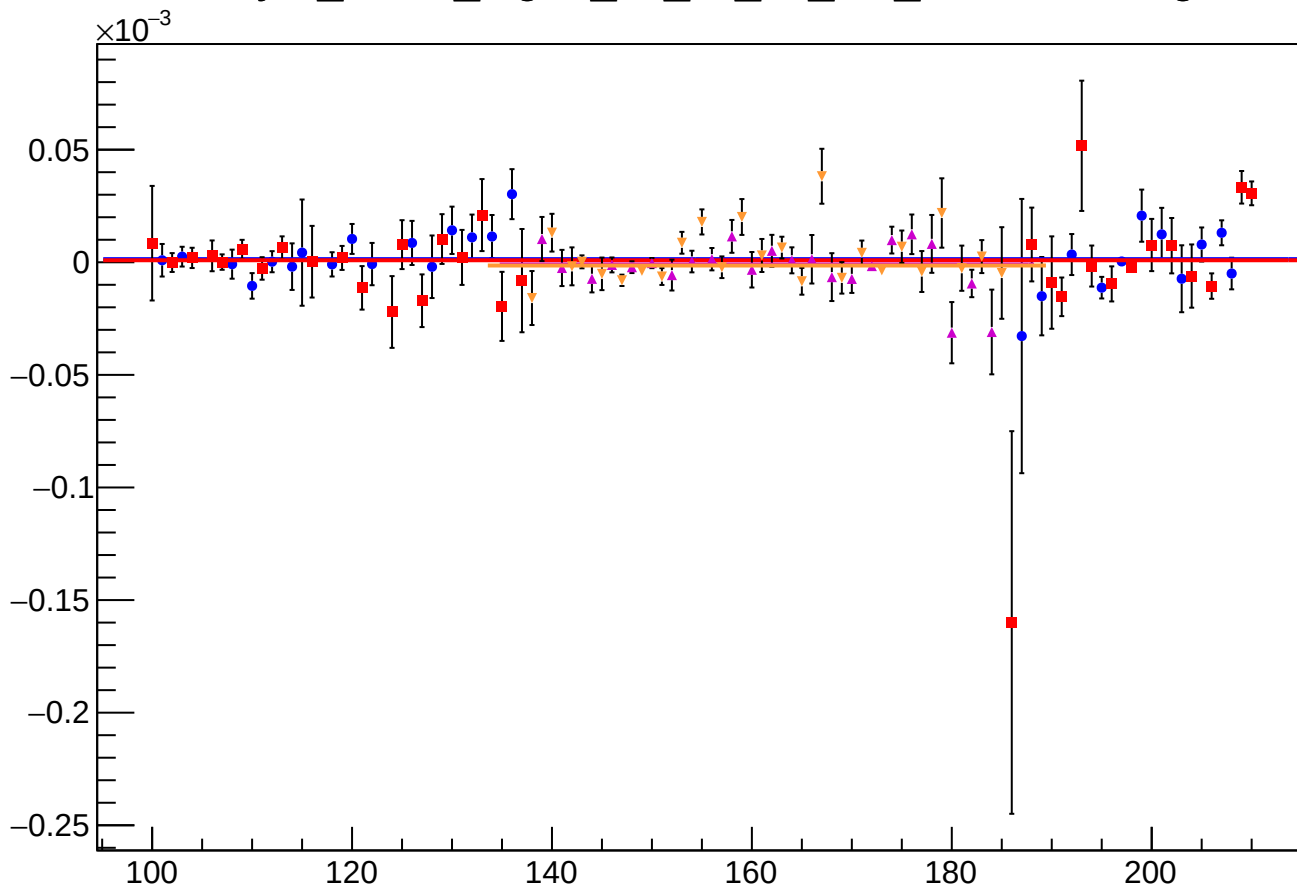
Left In: 119.679 ± 0.021 χ^2/NDF : 2838257.9/22

+ sign 95.505 ± 0.013 χ^2/NDF : 15169573.3/51

All: 96.565 ± 0.009 χ^2/NDF : 28480184.1/107

- sign 97.600 ± 0.013 χ^2/NDF : 13298071.7/55

asym_sam4_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 36.2/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 60.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 86.9/32

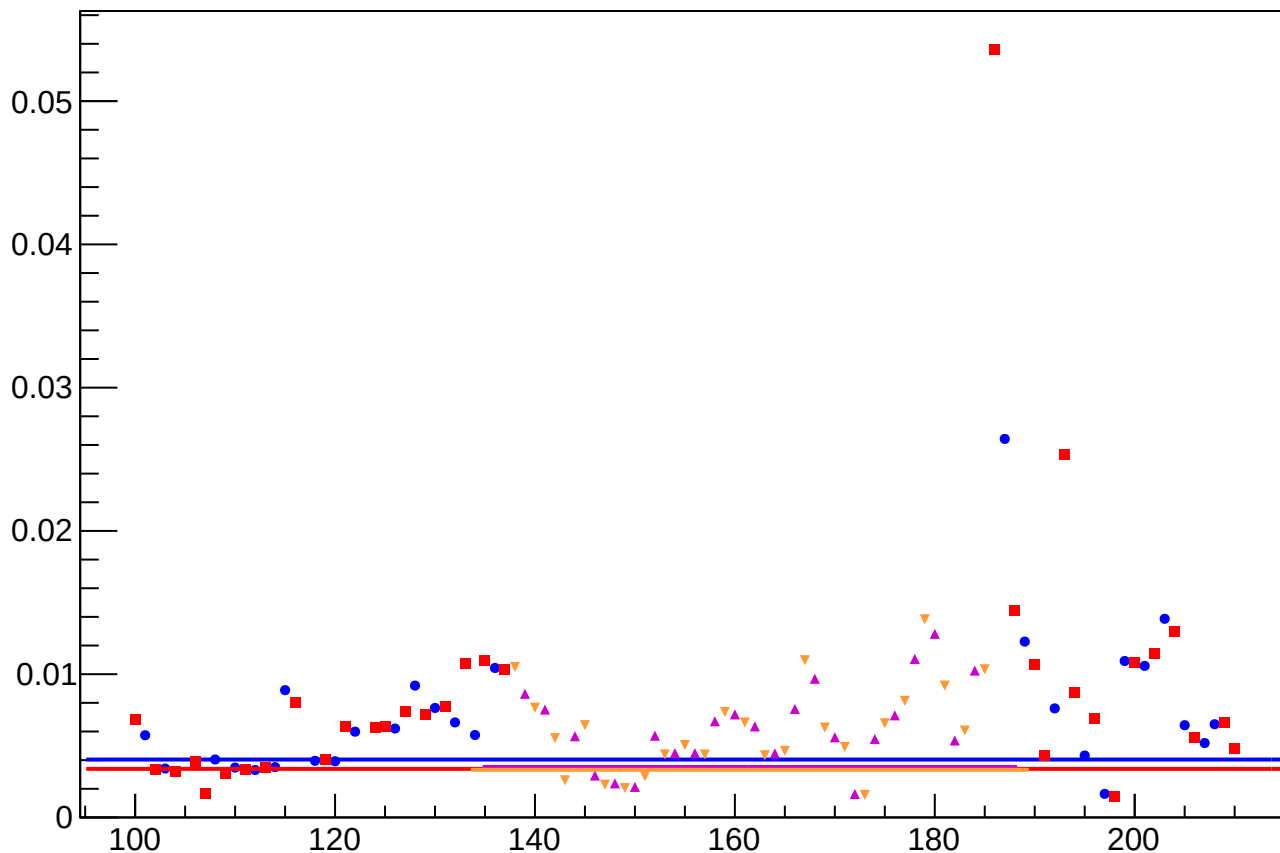
Left In: -0.000 ± 0.000 χ^2/NDF : 24.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 100.0/51

All: -0.000 ± 0.000 χ^2/NDF : 213.3/107

- sign -0.000 ± 0.000 χ^2/NDF : 113.2/55

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 8060907.9/26

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:10486084.0/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 13249973.2/32

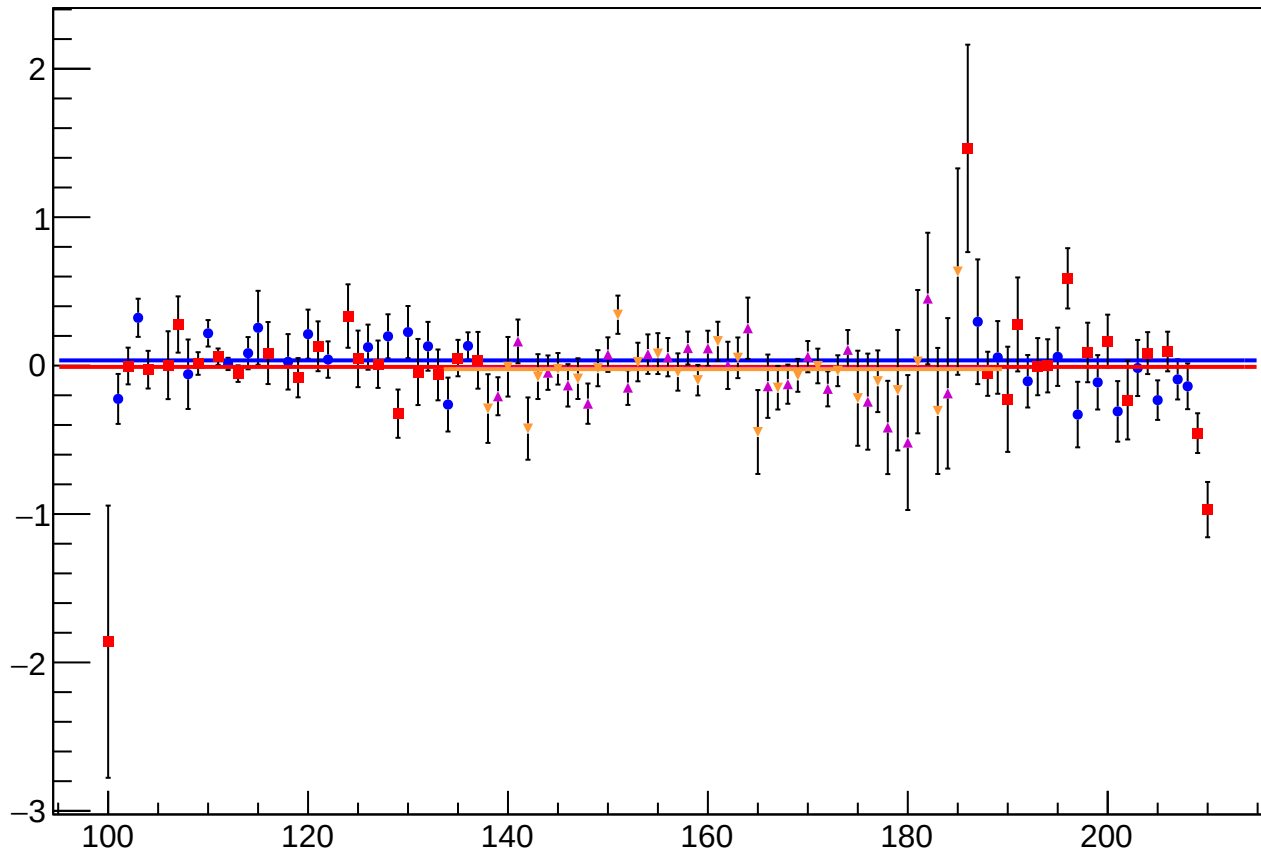
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:9426441.5/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 18989390.7/51

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 41710356.4/107

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 22693512.5/55

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 ± 0.024 χ^2/NDF : 34.6/26

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: -0.009 ± 0.024 χ^2/NDF : 71.7/32

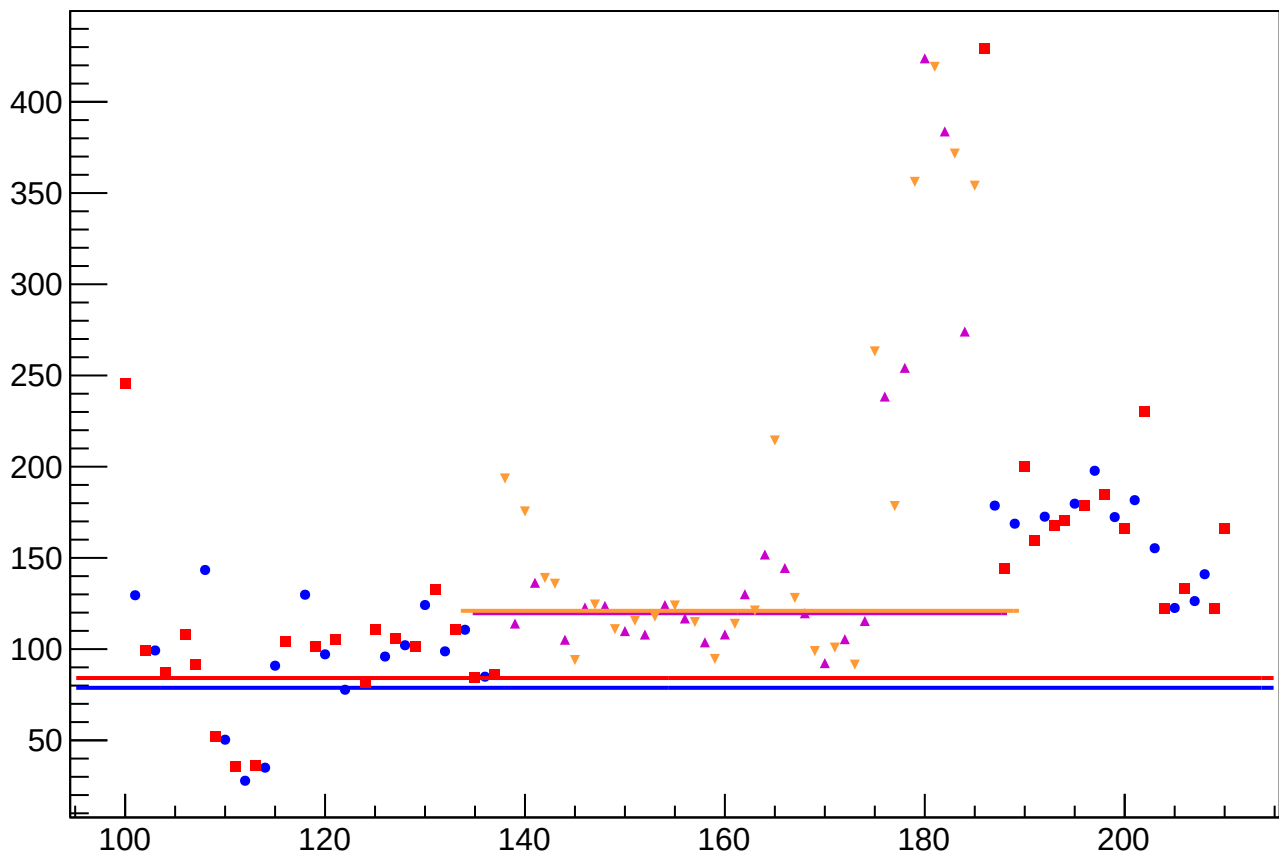
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign 0.012 ± 0.019 χ^2/NDF : 59.1/51

All: -0.000 ± 0.013 χ^2/NDF : 154.8/107

- sign -0.013 ± 0.019 χ^2/NDF : 94.8/55

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 78.793 $\pm$ 0.017 χ^2 /NDF: 8668251.2/26

Left Out: 121.000 $\pm$ 0.021 χ^2 /NDF: 4095210.5/24

Right Out: 84.156 $\pm$ 0.017 χ^2 /NDF: 8743372.5/32

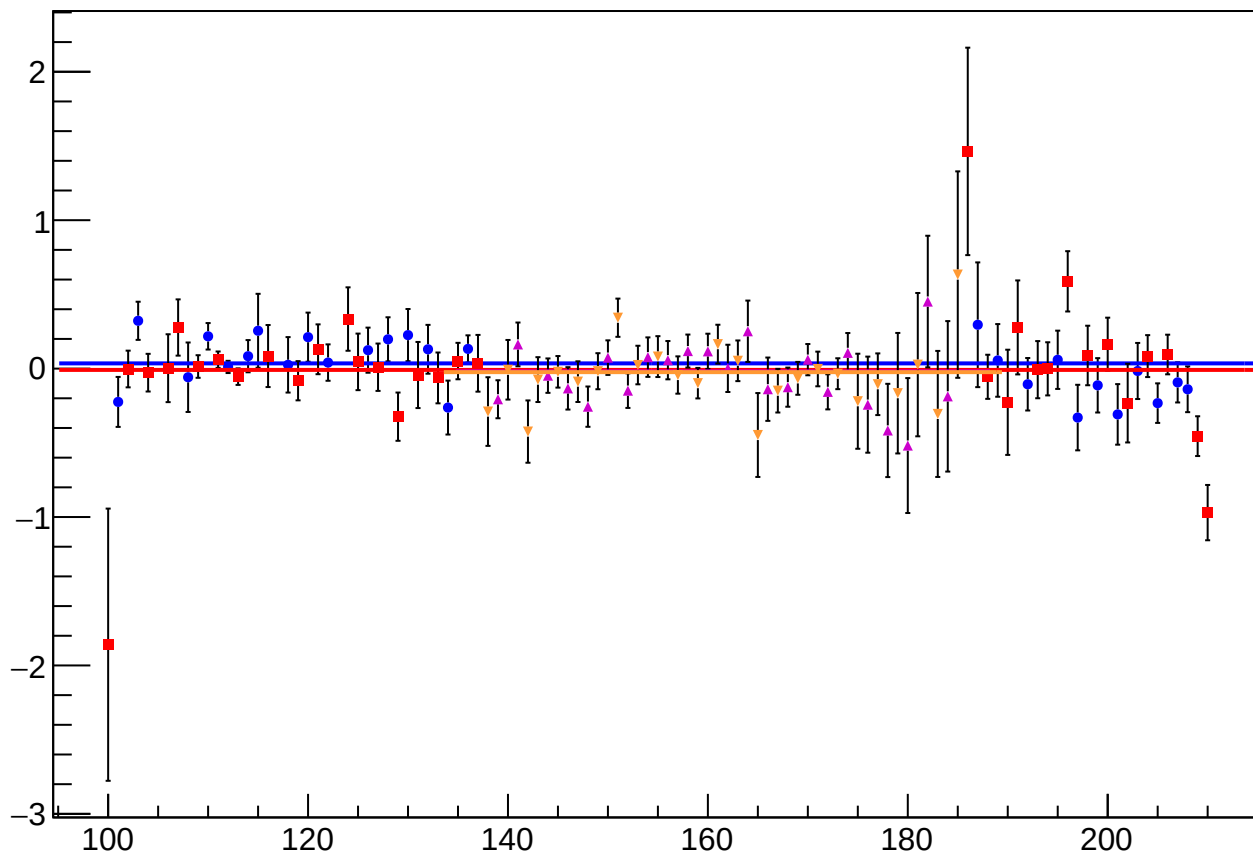
Left In: 119.680 $\pm$ 0.021 χ^2 /NDF: 2838196.2/22

+ sign 95.504 $\pm$ 0.013 χ^2 /NDF: 15170368.4/51

All: 96.564 $\pm$ 0.009 χ^2 /NDF: 28481721.6/107

- sign 97.599 $\pm$ 0.013 χ^2 /NDF: 13298809.7/55

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035 ± 0.024 χ^2/NDF : 34.6/26

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: -0.009 ± 0.024 χ^2/NDF : 71.7/32

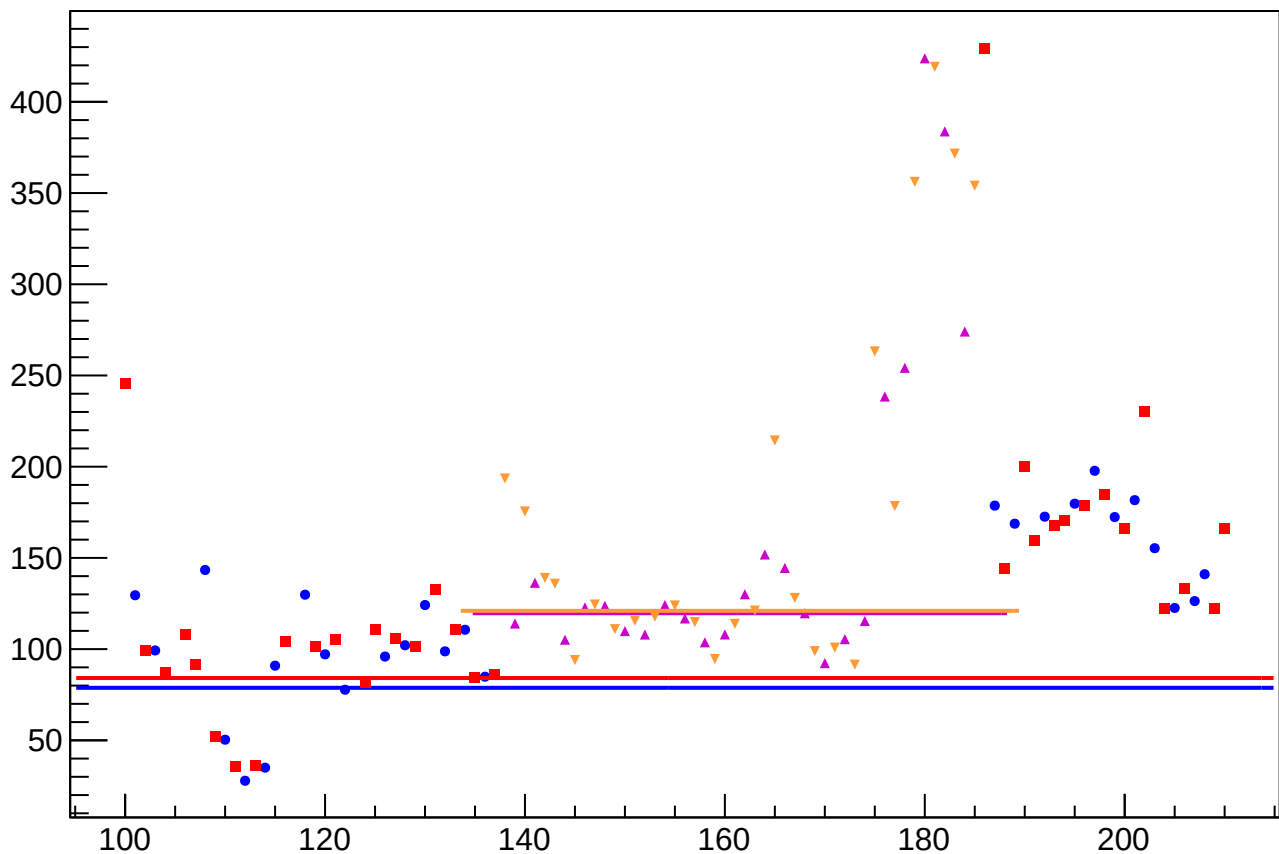
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign 0.012 ± 0.019 χ^2/NDF : 59.1/51

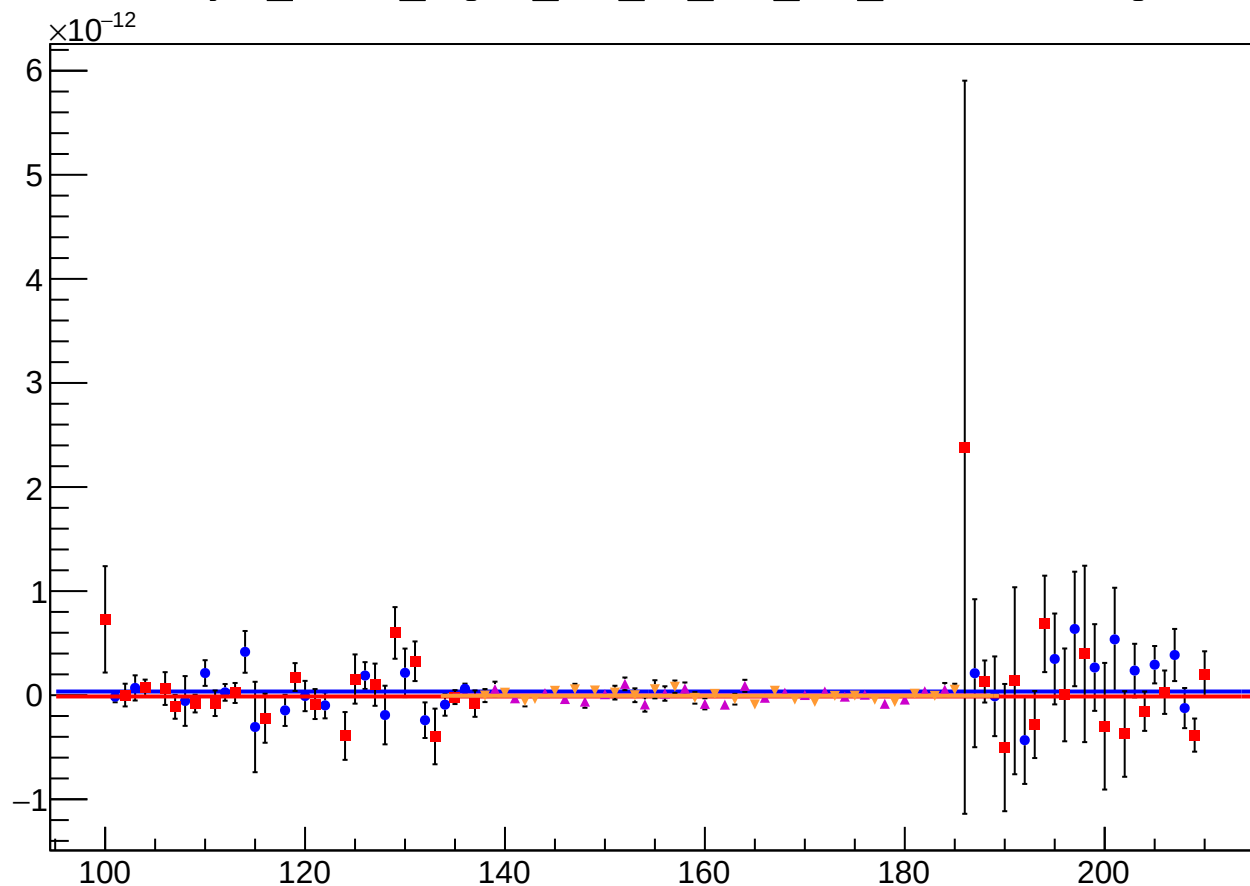
All: -0.000 ± 0.013 χ^2/NDF : 154.8/107

- sign -0.013 ± 0.019 χ^2/NDF : 94.8/55

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 26.6/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.2/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 36.2/32

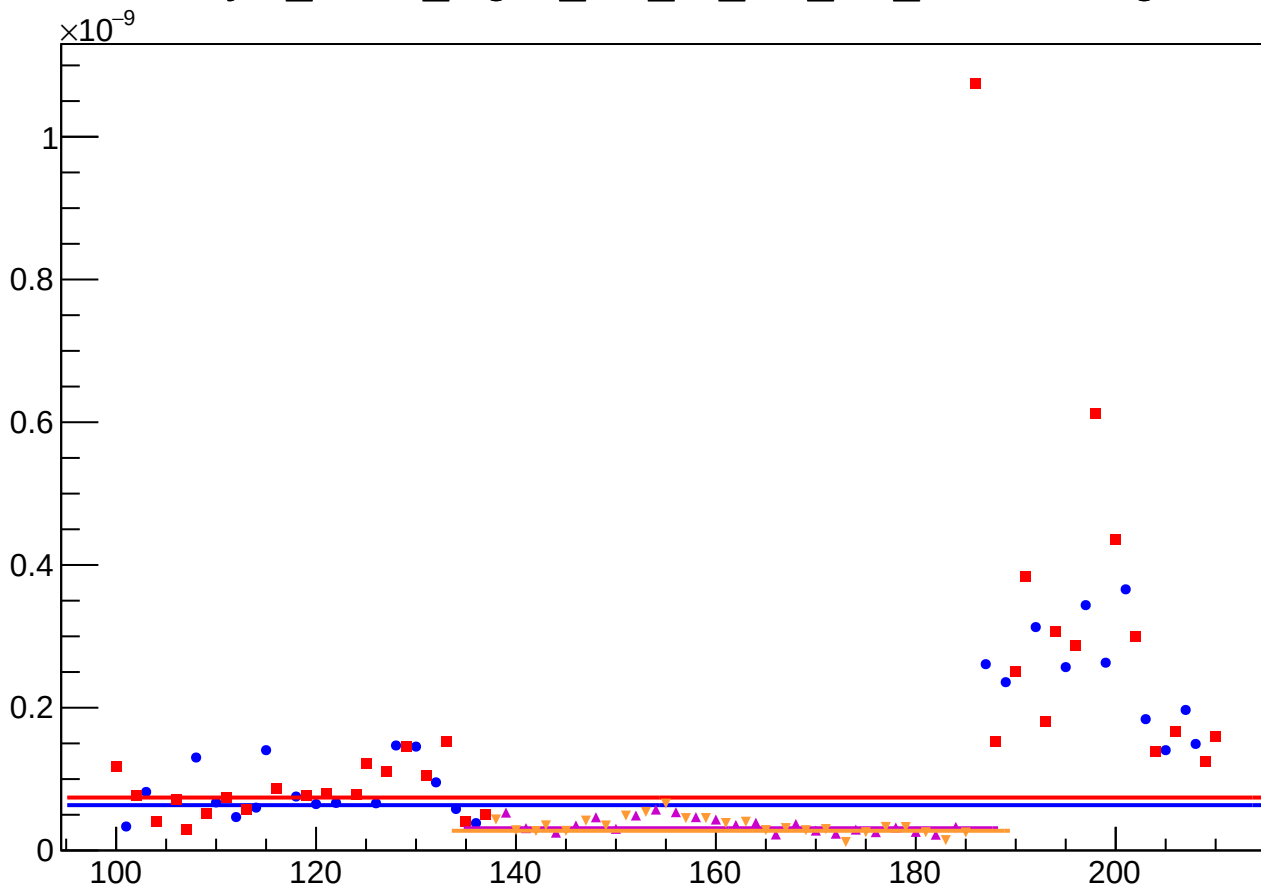
Left In: -0.000 ± 0.000 χ^2/NDF : 27.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 51.3/51

All: -0.000 ± 0.000 χ^2/NDF : 115.1/107

- sign -0.000 ± 0.000 χ^2/NDF : 63.9/55

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7144031.2/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7314987.7/32

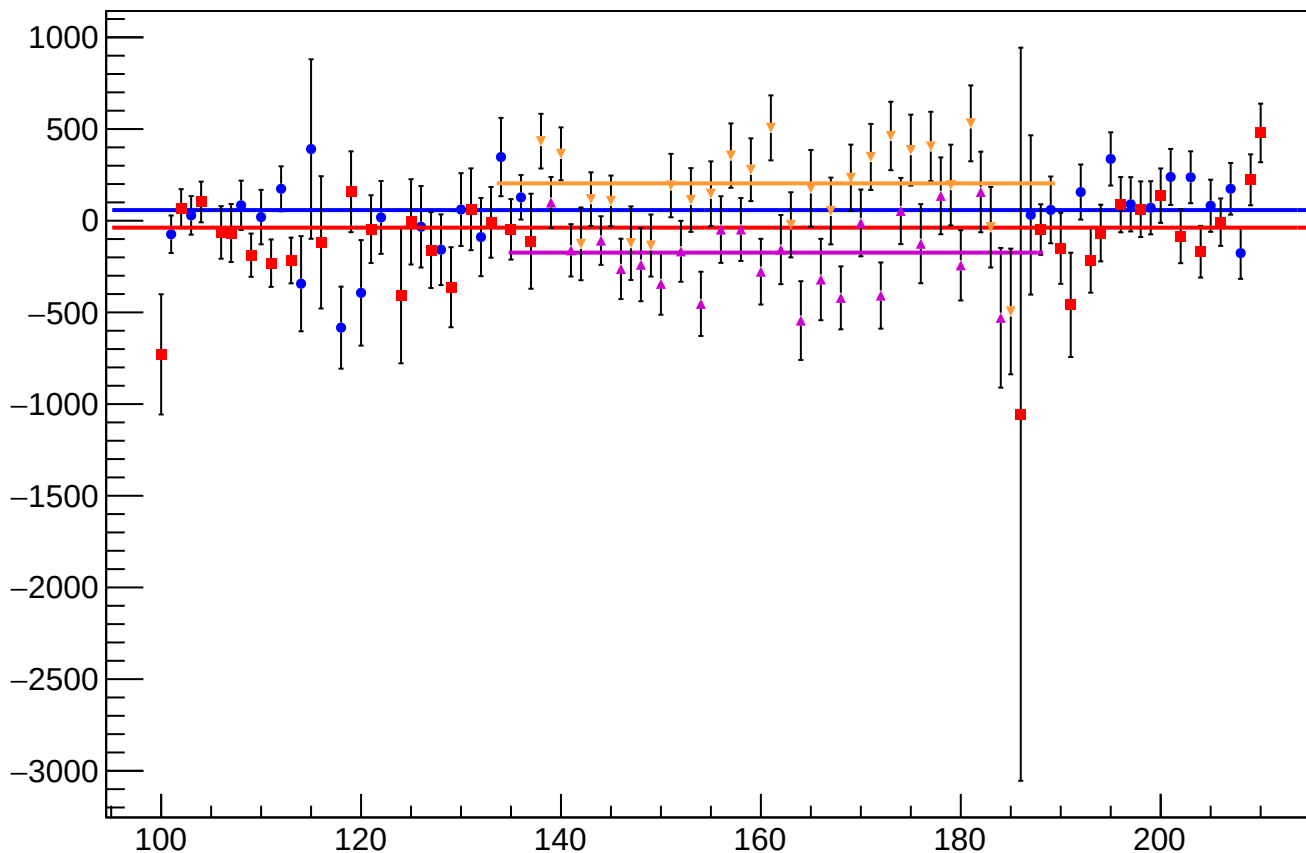
Left In: 0.000+/-0.000 χ^2/NDF : 1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 14527965.0/51

All: 0.000+/-0.000 χ^2/NDF : 28653496.5/107

- sign 0.000+/-0.000 χ^2/NDF : 13826625.1/55

reg_asym_sam5_mean vs Slug



Right In: 57.891+/-30.455 χ^2/NDF : 31.1/26

Left Out: 203.760+/-35.878 χ^2/NDF : 32.9/24

Right Out: -37.726+/-28.374 χ^2/NDF : 39.2/32

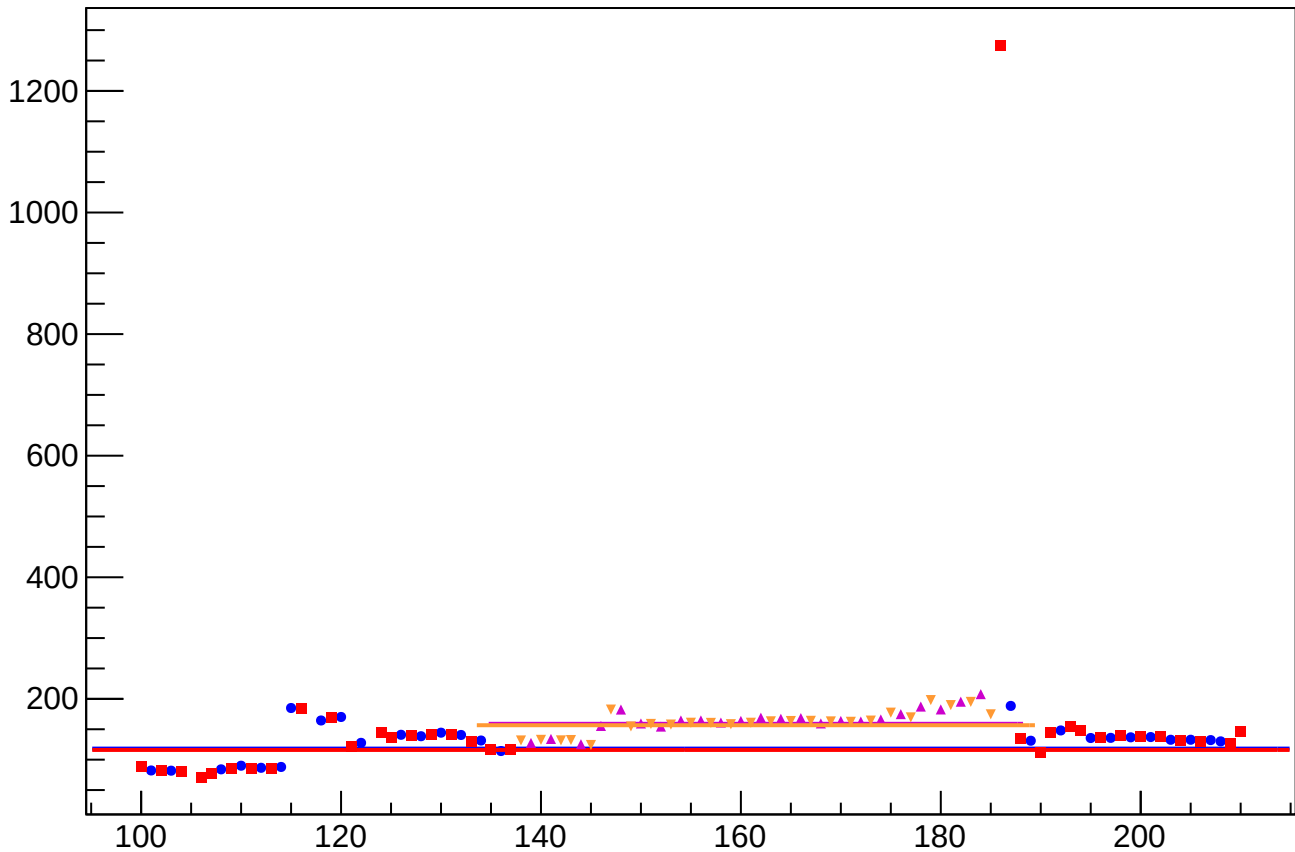
Left In: -173.974+/-37.405 χ^2/NDF : 24.5/22

+ sign 118.981+/-23.218 χ^2/NDF : 73.6/51

All: 12.988+/-16.197 χ^2/NDF : 186.3/107

- sign -87.490+/-22.606 χ^2/NDF : 72.1/55

reg_asym_sam5_rms vs Slug



Right In: 118.176 $\pm$ 0.022 χ^2 /NDF: 1487966.0/26

Left Out: 156.638 $\pm$ 0.025 χ^2 /NDF: 582414.4/24

Right Out: 115.991 $\pm$ 0.020 χ^2 /NDF: 2641345.8/32

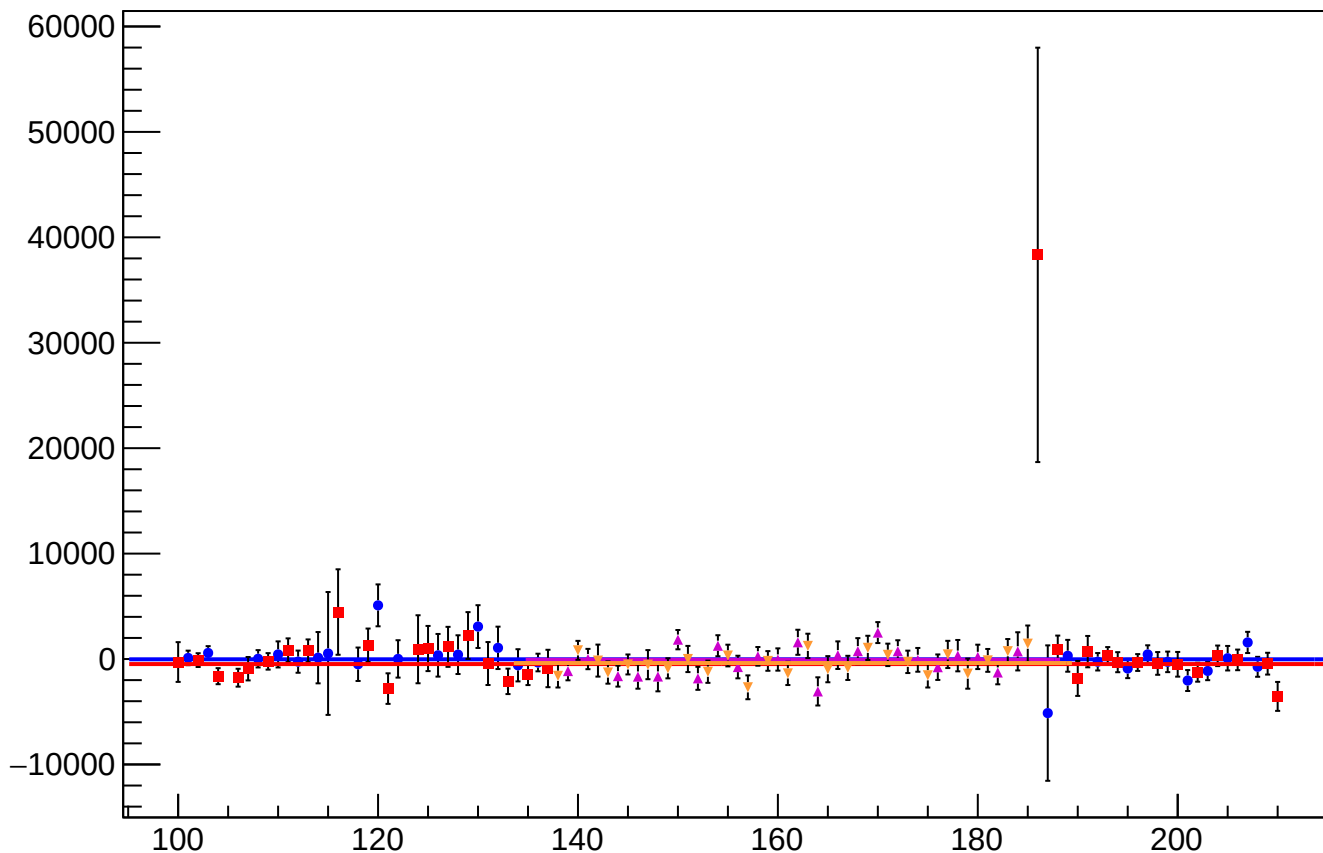
Left In: 158.952 $\pm$ 0.026 χ^2 /NDF: 511321.2/22

+ sign 134.284 $\pm$ 0.016 χ^2 /NDF: 3406270.0/51

All: 132.948 $\pm$ 0.011 χ^2 /NDF: 8246443.9/107

- sign 131.682 $\pm$ 0.016 χ^2 /NDF: 4827283.4/55

asym_sam5_reg_correction_mean vs Slug



Right In: -25.689 ± 211.822 χ^2/NDF : 21.7/26

Left Out: -380.690 ± 224.554 χ^2/NDF : 18.7/24

Right Out: -478.355 ± 196.908 χ^2/NDF : 33.0/32

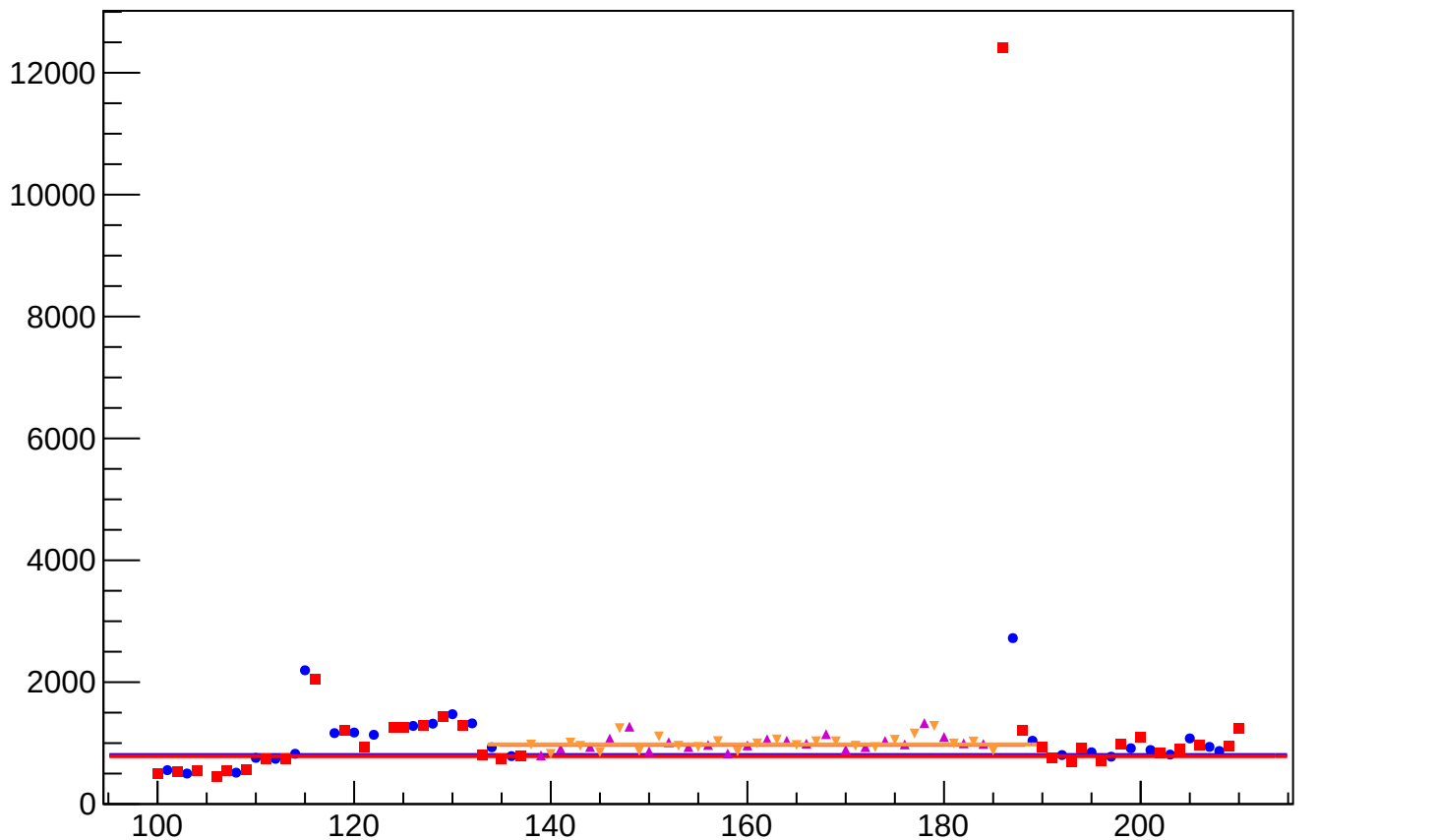
Left In: -74.440 ± 229.788 χ^2/NDF : 33.1/22

+ sign -192.841 ± 154.085 χ^2/NDF : 41.7/51

All: -251.811 ± 107.305 χ^2/NDF : 109.8/107

- sign -307.338 ± 149.521 χ^2/NDF : 67.8/55

asym_sam5_reg_correction_rms vs Slug



Right In: 803.972+/-0.150 χ^2/NDF : 2380944.8/26

Left Out: 979.111+/-0.159 χ^2/NDF : 429795.3/24

Right Out: 786.562+/-0.139 χ^2/NDF : 3686098.8/32

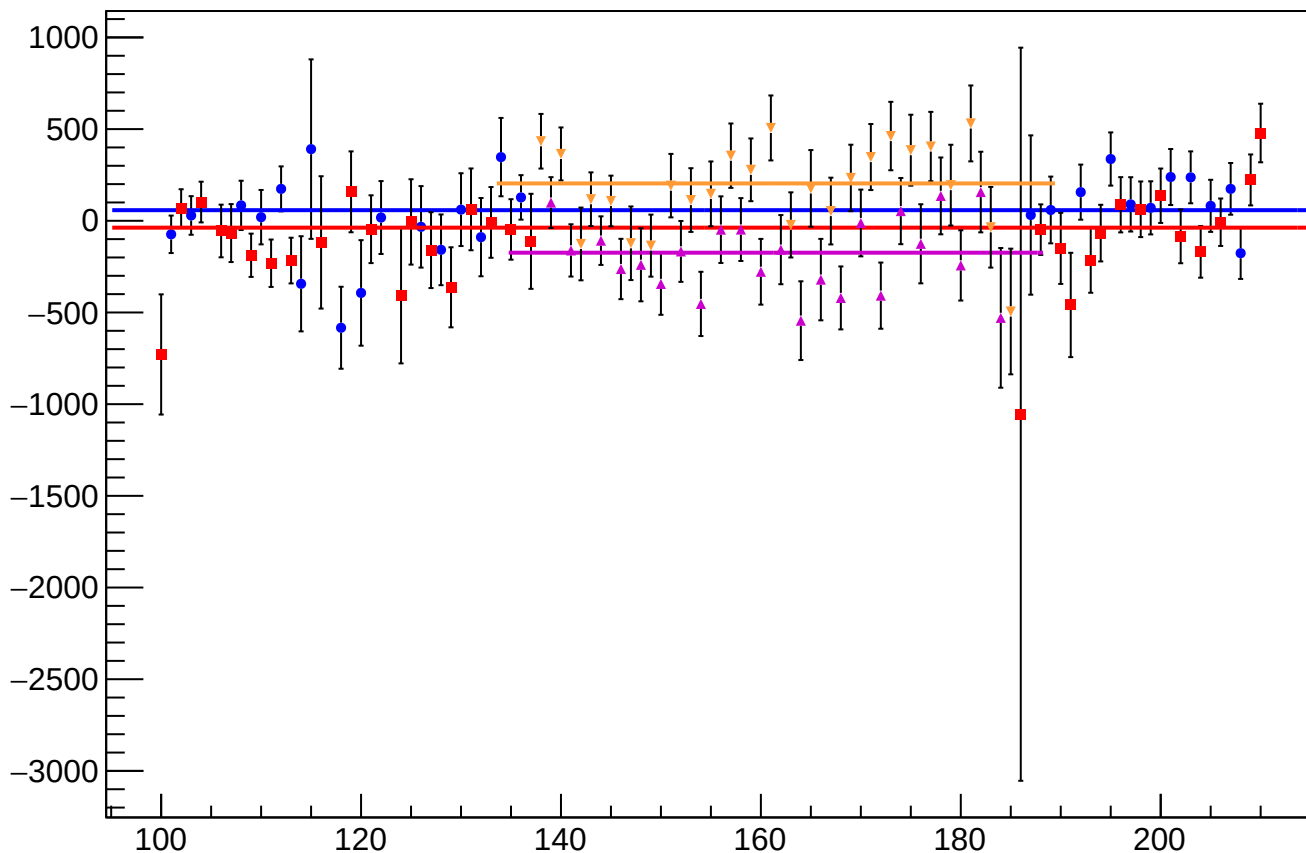
Left In: 973.818+/-0.162 χ^2/NDF : 498612.7/22

+ sign 886.436+/-0.109 χ^2/NDF : 3454520.8/51

All: 875.831+/-0.076 χ^2/NDF : 8423437.8/107

- sign 865.846+/-0.106 χ^2/NDF : 4950522.8/55

cor_asym_sam5_mean vs Slug



Right In: 57.888 ± 30.455 χ^2/NDF : 31.1/26

Left Out: 203.766 ± 35.878 χ^2/NDF : 32.9/24

Right Out: -37.428 ± 28.375 χ^2/NDF : 39.2/32

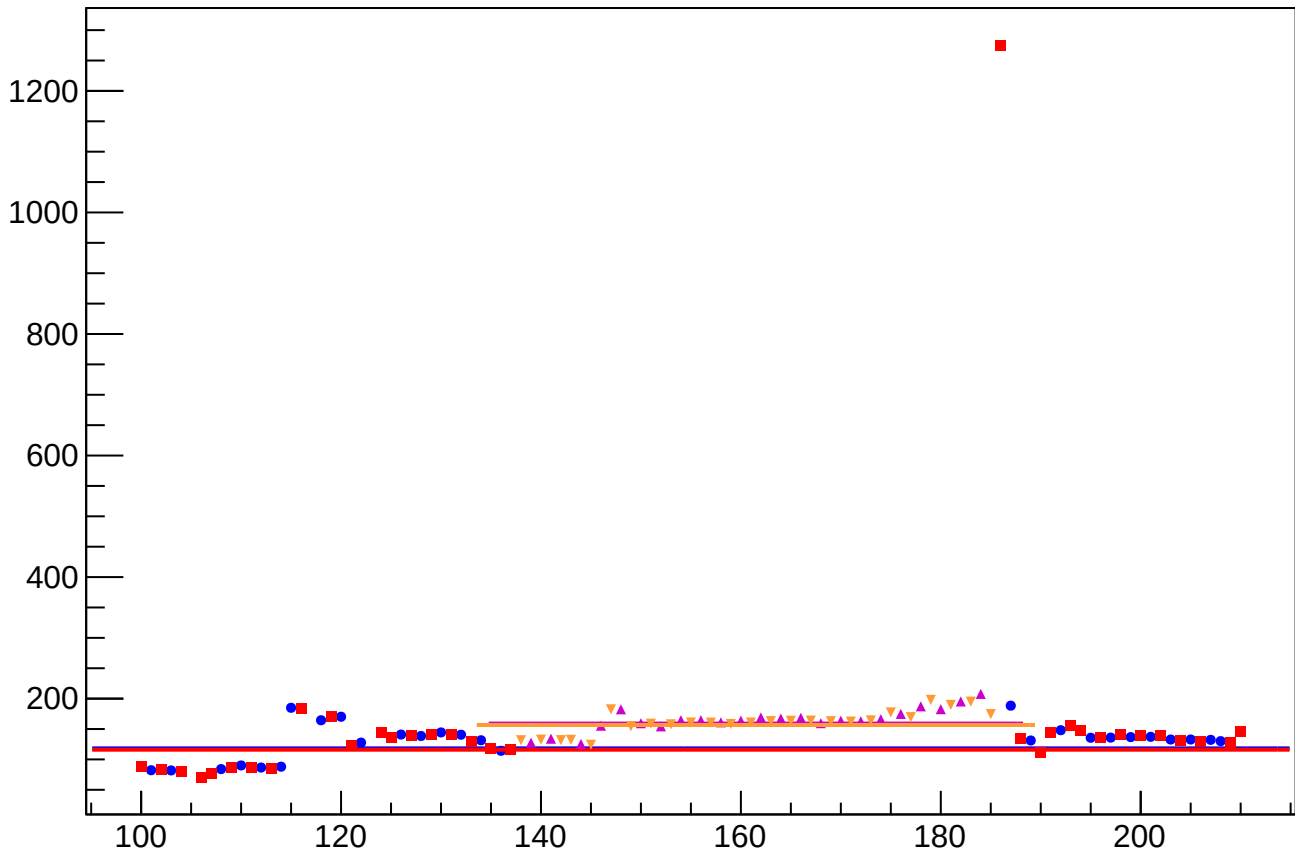
Left In: -173.978 ± 37.405 χ^2/NDF : 24.5/22

+ sign 118.982 ± 23.218 χ^2/NDF : 73.6/51

All: 13.086 ± 16.197 χ^2/NDF : 186.2/107

- sign -87.305 ± 22.607 χ^2/NDF : 72.2/55

cor_asym_sam5_rms vs Slug



Right In: 118.176 $\pm$ 0.022 χ^2 /NDF: 1487964.7/26

Left Out: 156.638 $\pm$ 0.025 χ^2 /NDF: 582414.5/24

Right Out: 115.979 $\pm$ 0.020 χ^2 /NDF: 2644575.5/32

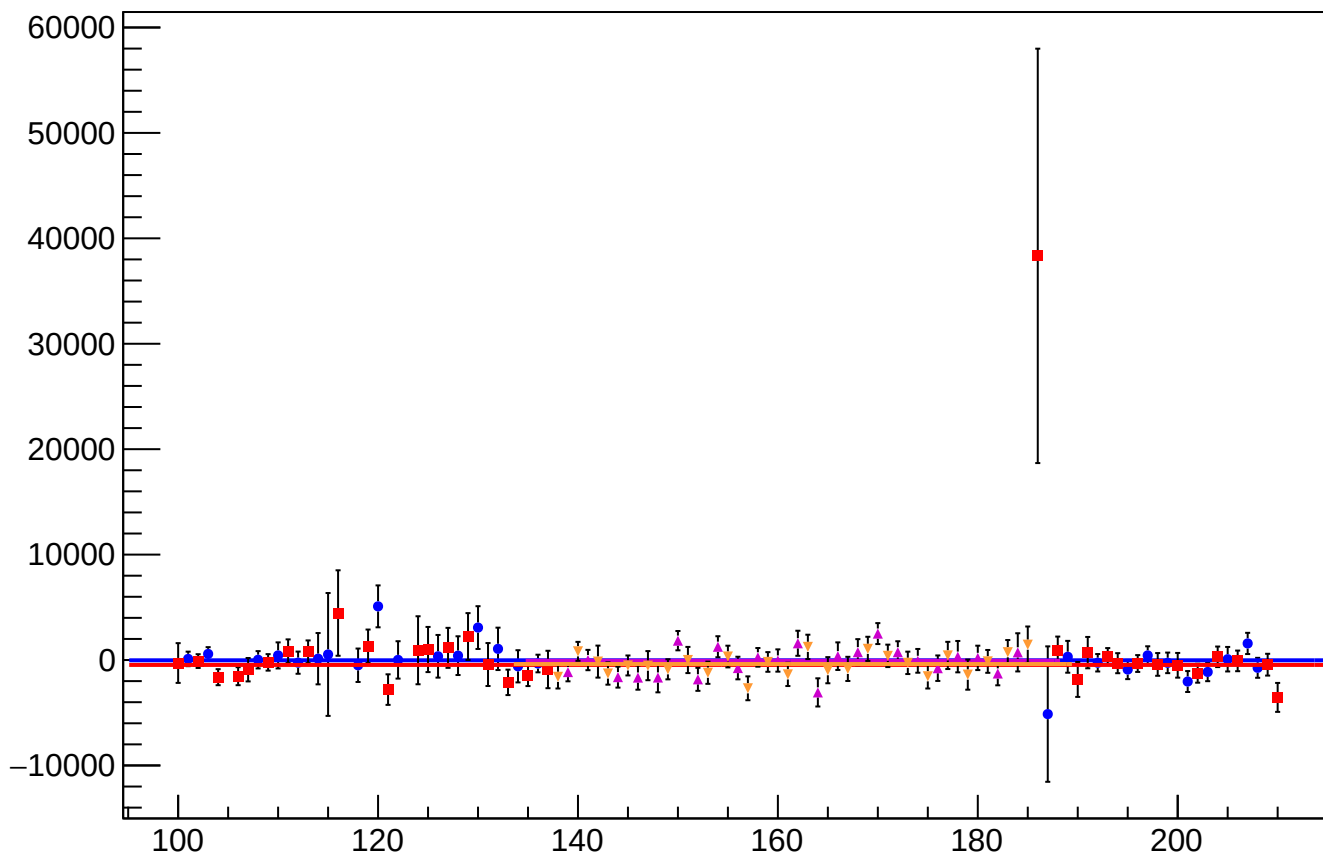
Left In: 158.952 $\pm$ 0.026 χ^2 /NDF: 511321.3/22

+ sign 134.284 $\pm$ 0.016 χ^2 /NDF: 3406268.0/51

All: 132.945 $\pm$ 0.011 χ^2 /NDF: 8250632.9/107

- sign 131.675 $\pm$ 0.016 χ^2 /NDF: 4831406.5/55

asym_sam5_cor_correction_mean vs Slug



Right In: -25.687 ± 211.822 χ^2/NDF : 21.7/26

Left Out: -380.678 ± 224.554 χ^2/NDF : 18.7/24

Right Out: -464.553 ± 196.977 χ^2/NDF : 32.2/32

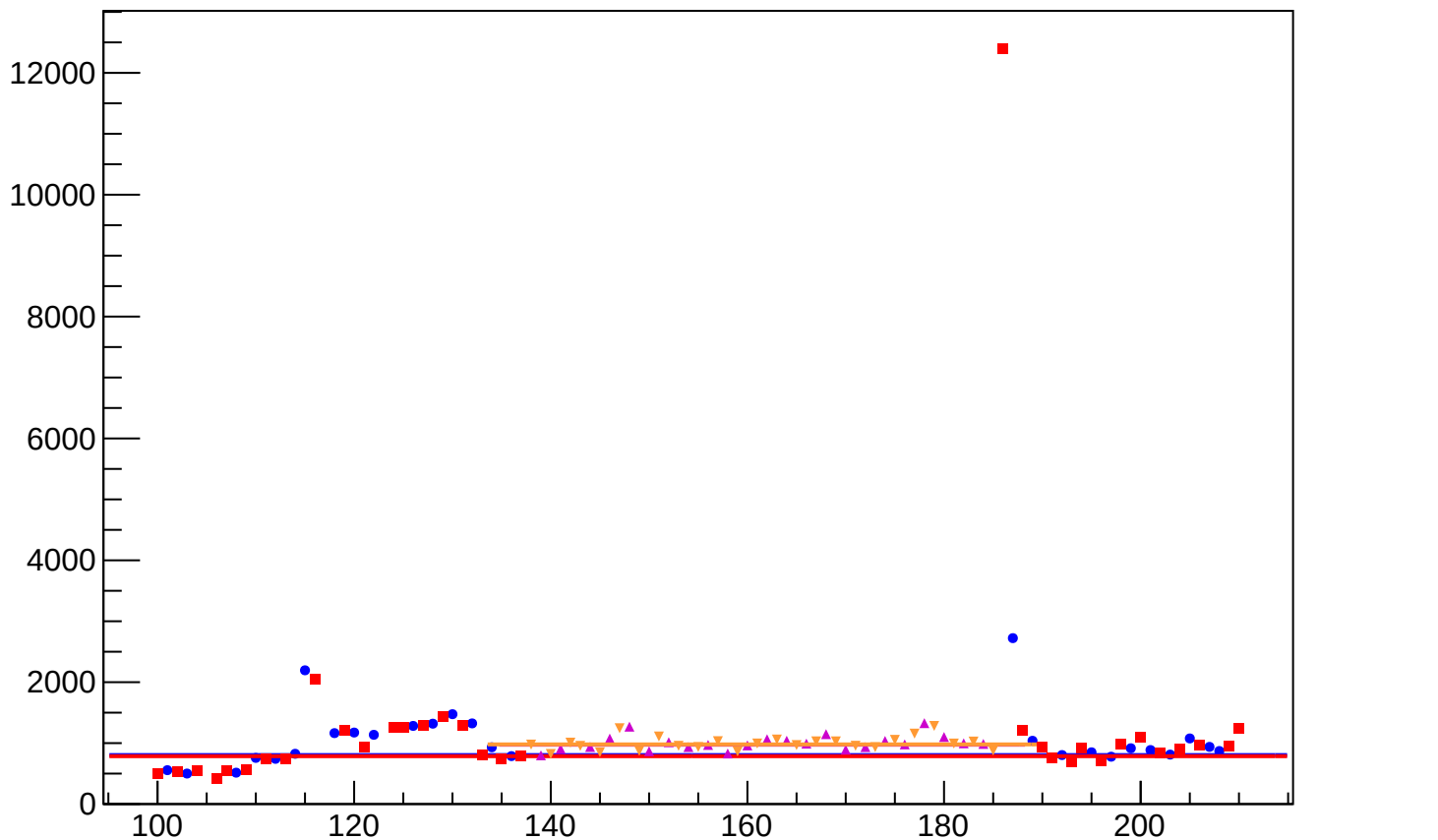
Left In: -74.438 ± 229.788 χ^2/NDF : 33.1/22

+ sign -192.834 ± 154.085 χ^2/NDF : 41.7/51

All: -247.663 ± 107.316 χ^2/NDF : 108.8/107

- sign -299.312 ± 149.551 χ^2/NDF : 66.9/55

asym_sam5_cor_correction_rms vs Slug



Right In: 803.972+/-0.150 χ^2/NDF : 2380949.0/26

Left Out: 979.112+/-0.159 χ^2/NDF : 429793.5/24

Right Out: 785.500+/-0.139 χ^2/NDF : 3728753.1/32

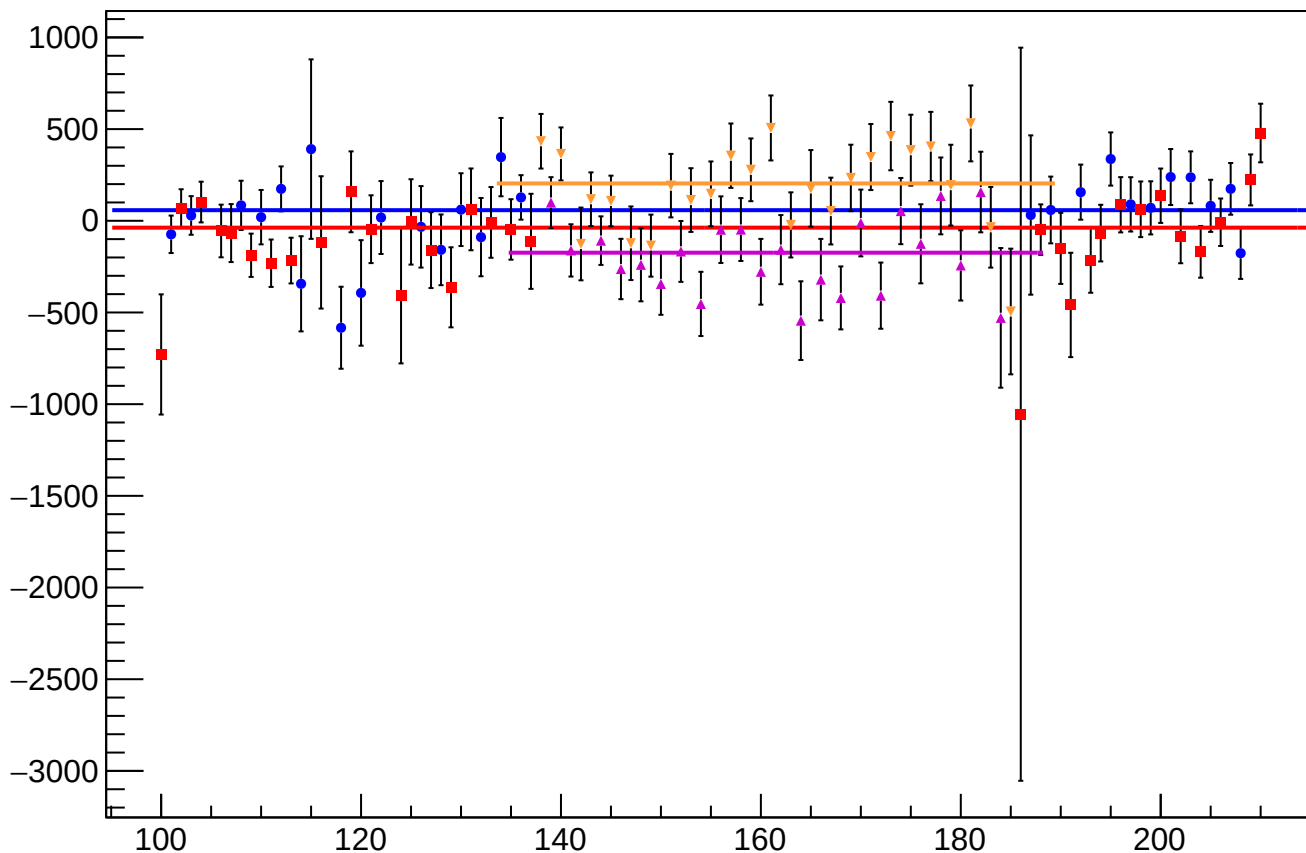
Left In: 973.818+/-0.162 χ^2/NDF : 498615.1/22

+ sign 886.436+/-0.109 χ^2/NDF : 3454526.7/51

All: 875.535+/-0.076 χ^2/NDF : 8475629.4/107

- sign 865.265+/-0.106 χ^2/NDF : 5001661.3/55

eigen_cor_asym_sam5_mean vs Slug



Right In: 57.888 ± 30.455 χ^2/NDF : 31.1/26

Left Out: 203.766 ± 35.878 χ^2/NDF : 32.9/24

Right Out: -37.428 ± 28.375 χ^2/NDF : 39.2/32

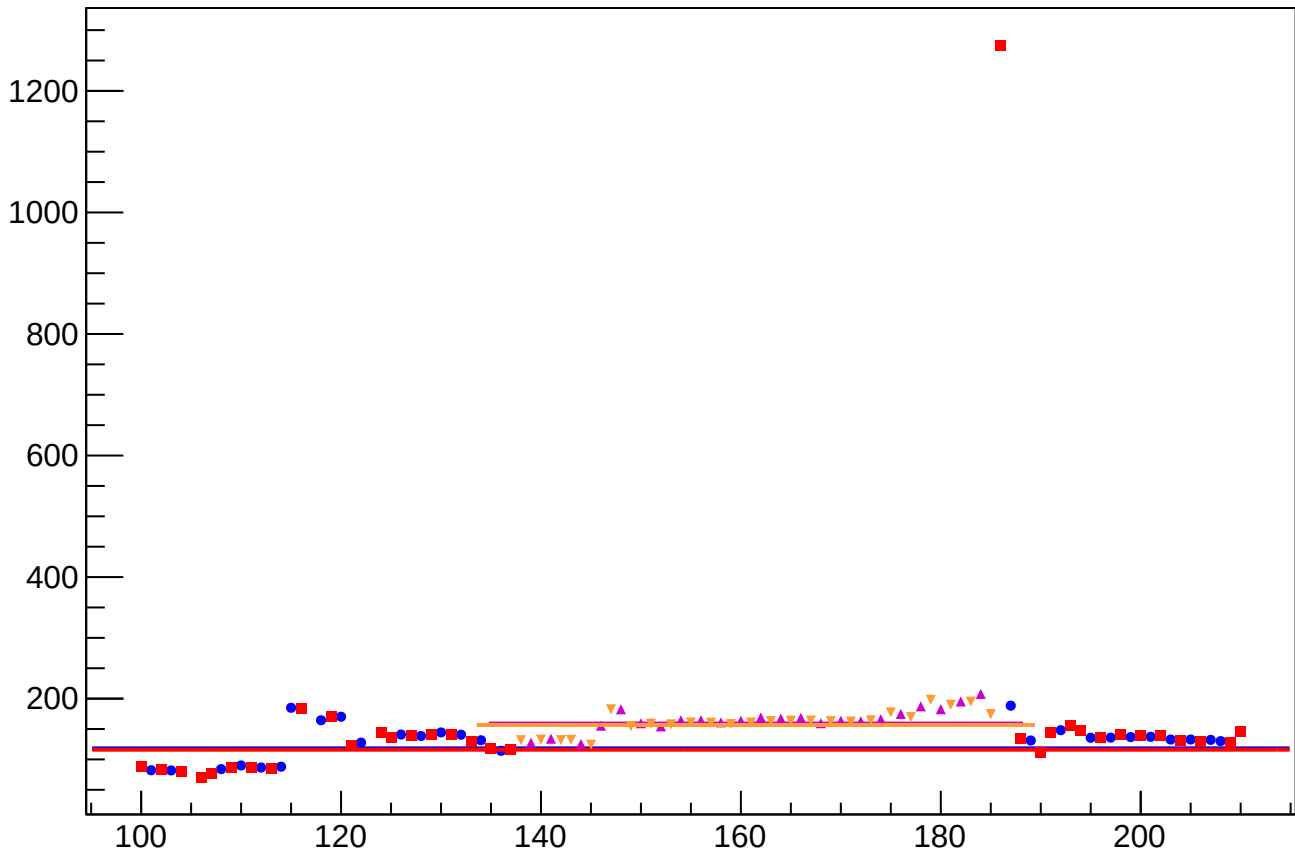
Left In: -173.978 ± 37.405 χ^2/NDF : 24.5/22

+ sign 118.982 ± 23.218 χ^2/NDF : 73.6/51

All: 13.086 ± 16.197 χ^2/NDF : 186.2/107

- sign -87.305 ± 22.607 χ^2/NDF : 72.2/55

eigen_cor_asym_sam5_rms vs Slug



Right In: 118.176 $\pm$ 0.022 χ^2 /NDF: 1487964.7/26

Left Out: 156.638 $\pm$ 0.025 χ^2 /NDF: 582414.5/24

Right Out: 115.979 $\pm$ 0.020 χ^2 /NDF: 2644575.5/32

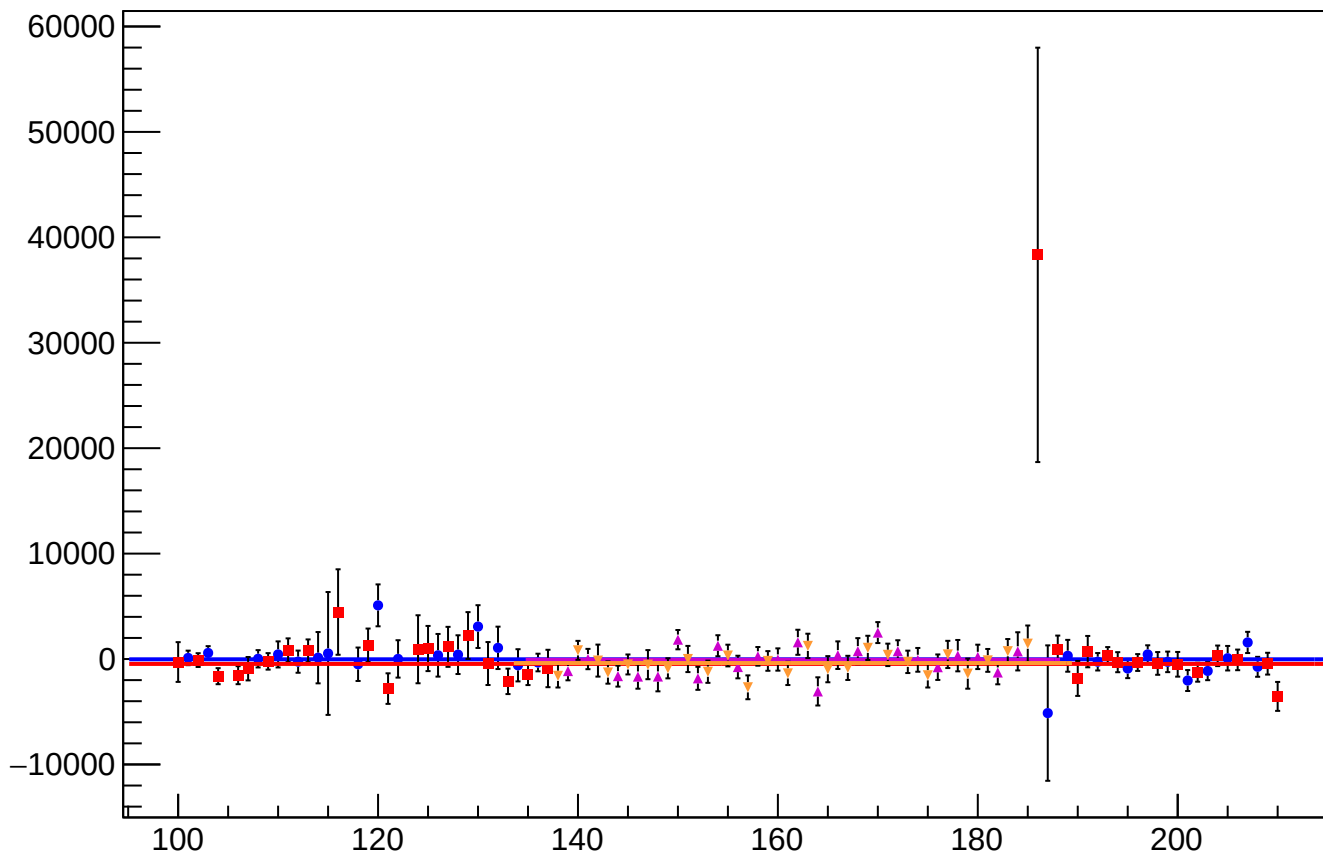
Left In: 158.952 $\pm$ 0.026 χ^2 /NDF: 511321.3/22

+ sign 134.284 $\pm$ 0.016 χ^2 /NDF: 3406268.0/51

All: 132.945 $\pm$ 0.011 χ^2 /NDF: 8250632.9/107

- sign 131.675 $\pm$ 0.016 χ^2 /NDF: 4831406.5/55

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: -25.687 ± 211.822 χ^2/NDF : 21.7/26

Left Out: -380.678 ± 224.554 χ^2/NDF : 18.7/24

Right Out: -464.553 ± 196.977 χ^2/NDF : 32.2/32

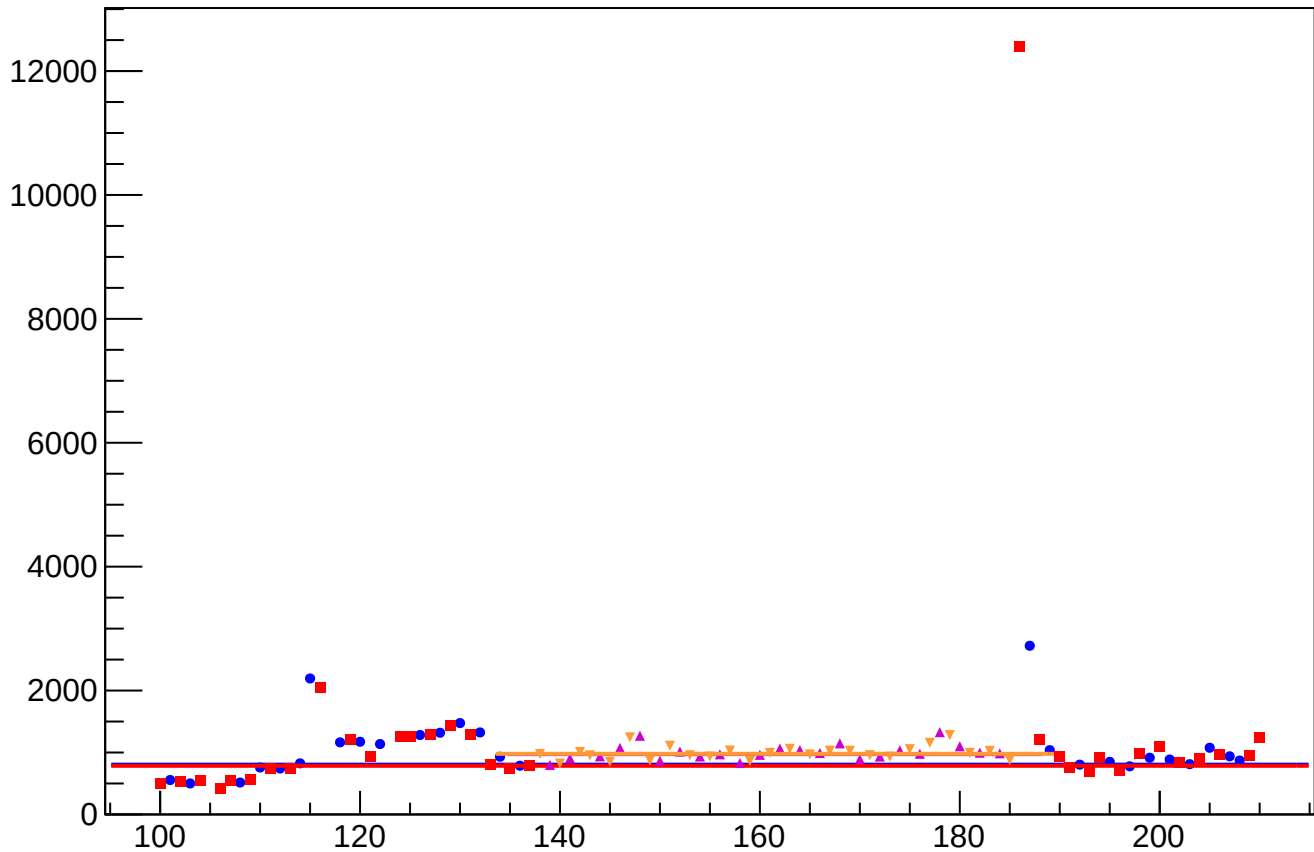
Left In: -74.438 ± 229.788 χ^2/NDF : 33.1/22

+ sign -192.834 ± 154.085 χ^2/NDF : 41.7/51

All: -247.663 ± 107.316 χ^2/NDF : 108.8/107

- sign -299.312 ± 149.551 χ^2/NDF : 66.9/55

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 803.972 $\pm$ 0.150 χ^2 /NDF: 2380949.0/26

Left Out: 979.112 $\pm$ 0.159 χ^2 /NDF: 429793.5/24

Right Out: 785.500 $\pm$ 0.139 χ^2 /NDF: 3728753.1/32

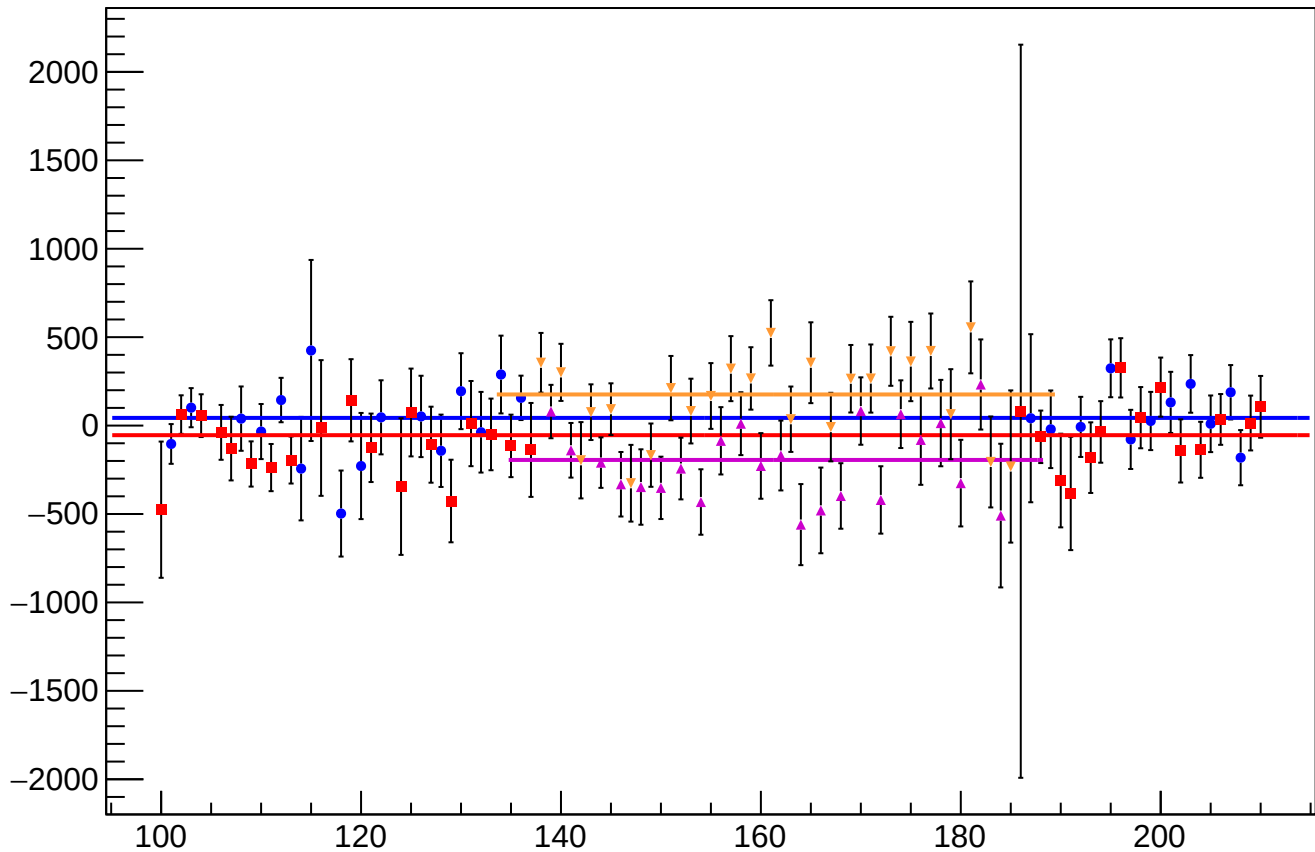
Left In: 973.818 $\pm$ 0.162 χ^2 /NDF: 498615.1/22

+ sign 886.436 $\pm$ 0.109 χ^2 /NDF: 3454526.7/51

All: 875.535 $\pm$ 0.076 χ^2 /NDF: 8475629.4/107

- sign 865.265 $\pm$ 0.106 χ^2 /NDF: 5001661.3/55

dit_asym_sam5_mean vs Slug



Right In: 43.454 ± 33.458 χ^2/NDF : 22.0/26

Left Out: 176.010 ± 38.838 χ^2/NDF : 30.8/24

Right Out: -54.265 ± 31.079 χ^2/NDF : 25.1/32

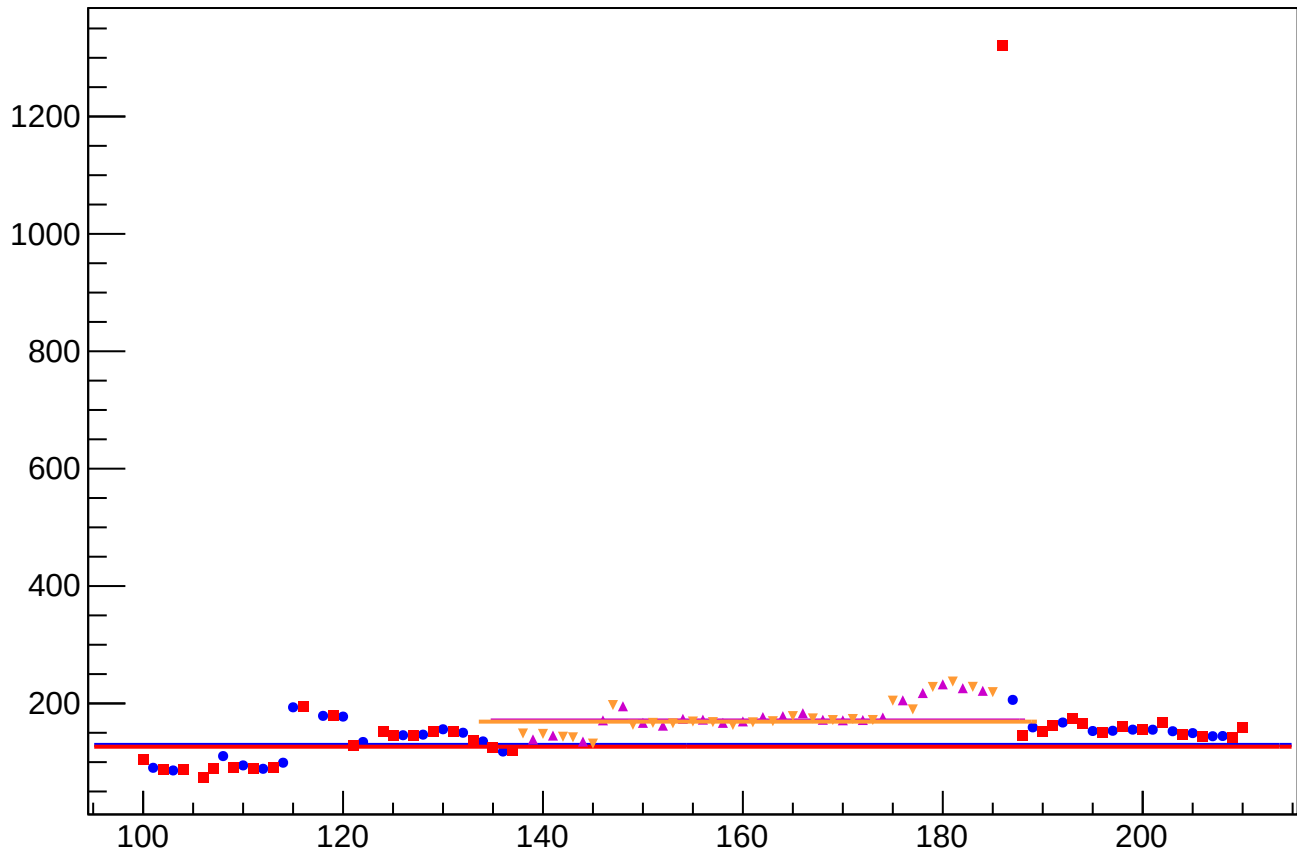
Left In: -194.324 ± 40.384 χ^2/NDF : 23.8/22

+ sign 99.922 ± 25.349 χ^2/NDF : 59.4/51

All: -6.186 ± 17.665 χ^2/NDF : 150.0/107

- sign -106.363 ± 24.630 χ^2/NDF : 56.5/55

dit_asym_sam5_rms vs Slug



Right In: 129.369 $\pm$ 0.024 χ^2 /NDF: 1639092.7/26

Left Out: 169.009 $\pm$ 0.027 χ^2 /NDF: 773937.9/24

Right Out: 126.272 $\pm$ 0.022 χ^2 /NDF: 2912835.1/32

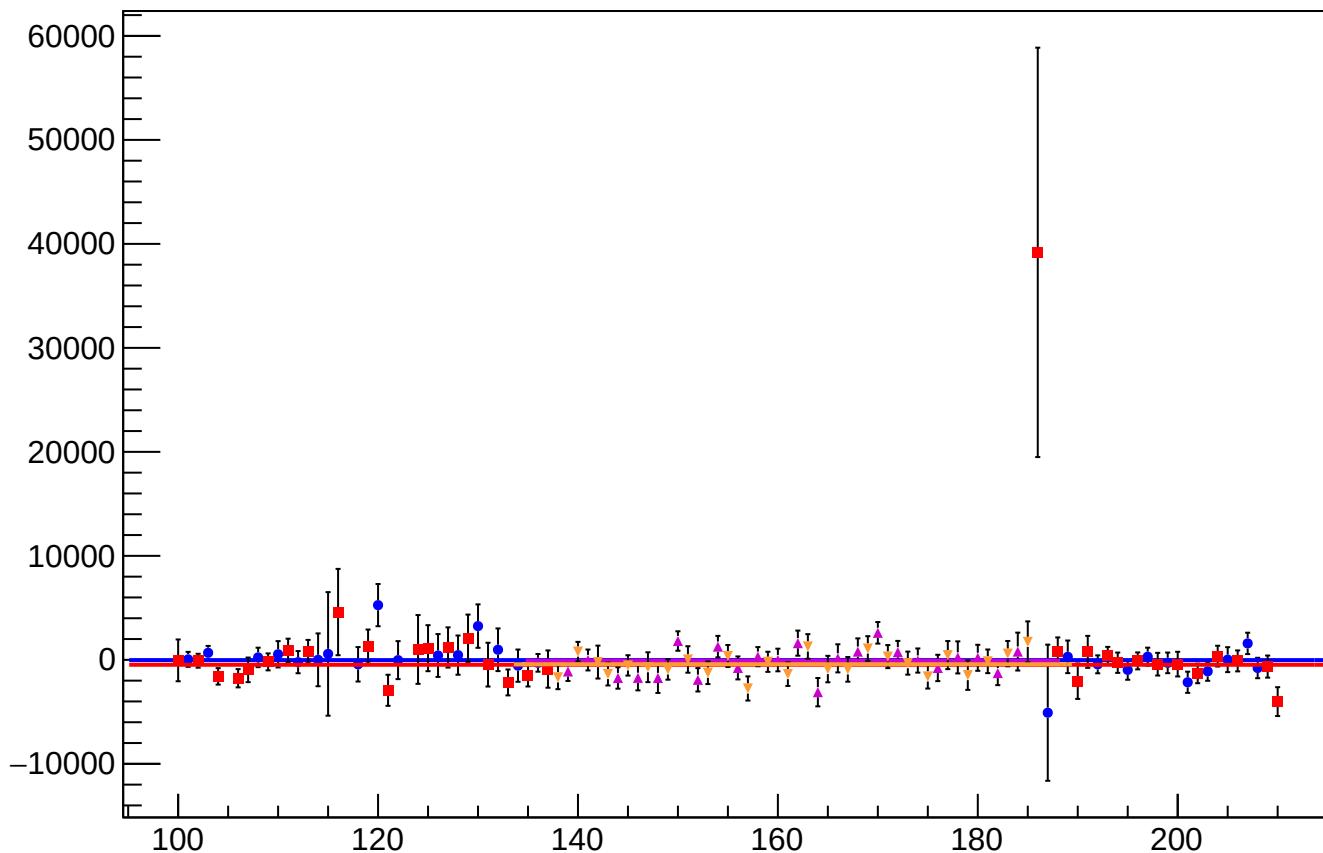
Left In: 171.021 $\pm$ 0.029 χ^2 /NDF: 678106.1/22

+ sign 146.255 $\pm$ 0.018 χ^2 /NDF: 3609008.2/51

All: 144.538 $\pm$ 0.012 χ^2 /NDF: 8760053.0/107

- sign 142.918 $\pm$ 0.017 χ^2 /NDF: 5133209.4/55

asym_sam5_dit_correction_mean vs Slug



Right In: -24.918 ± 219.276 χ^2/NDF : 22.2/26

Left Out: -425.819 ± 232.561 χ^2/NDF : 18.4/24

Right Out: -473.818 ± 203.266 χ^2/NDF : 34.5/32

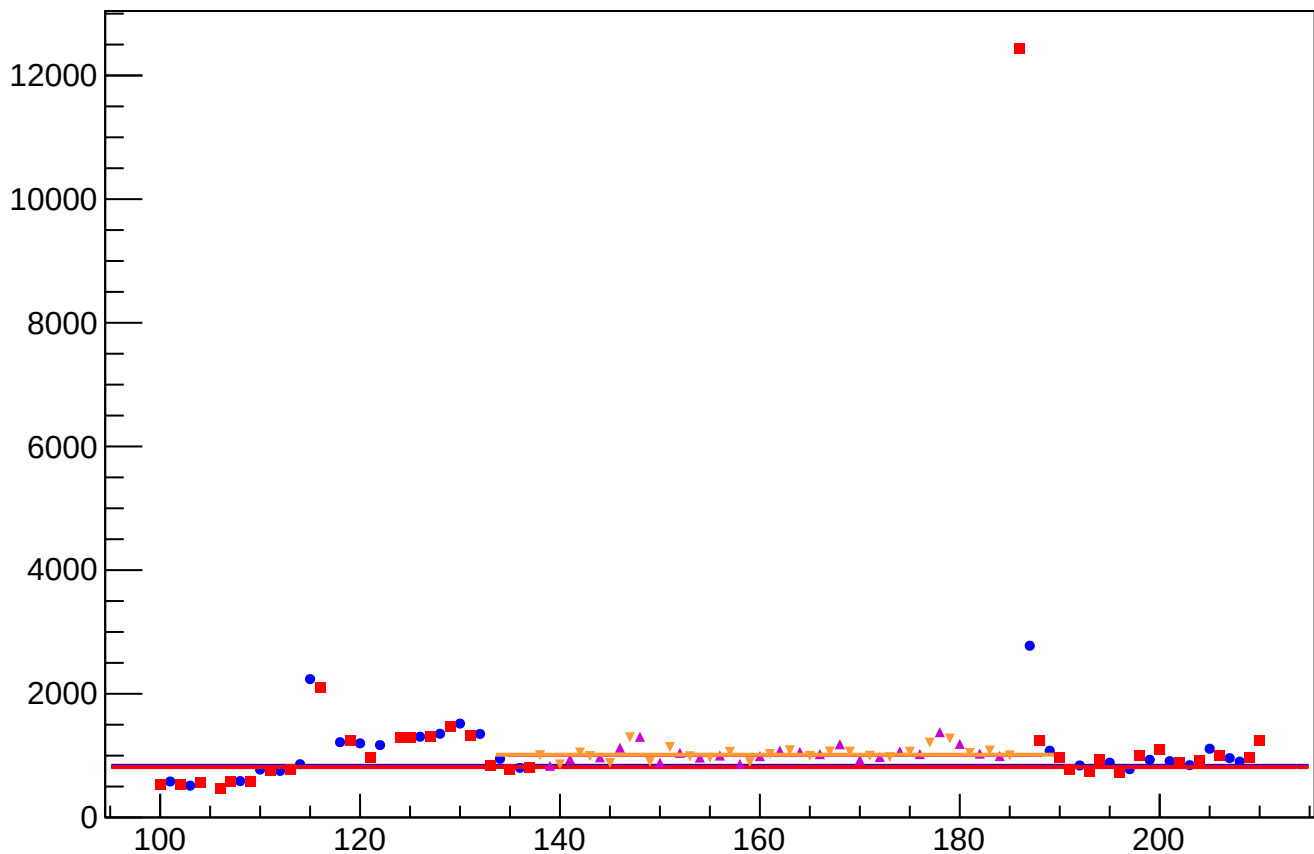
Left In: -86.486 ± 238.155 χ^2/NDF : 32.4/22

+ sign -213.592 ± 159.541 χ^2/NDF : 42.1/51

All: -263.606 ± 111.028 χ^2/NDF : 110.7/107

- sign -310.576 ± 154.609 χ^2/NDF : 68.4/55

asym sam5 dit correction rms vs Slug



Right In: 834.896+/-0.155 χ^2/NDF : 2245861.4/26

Left Out: 1015.046+/-0.164 χ^2/NDF :397966.2/24

Right Out: 814.518+/-0.144 χ^2/NDF : 3548361.2/32

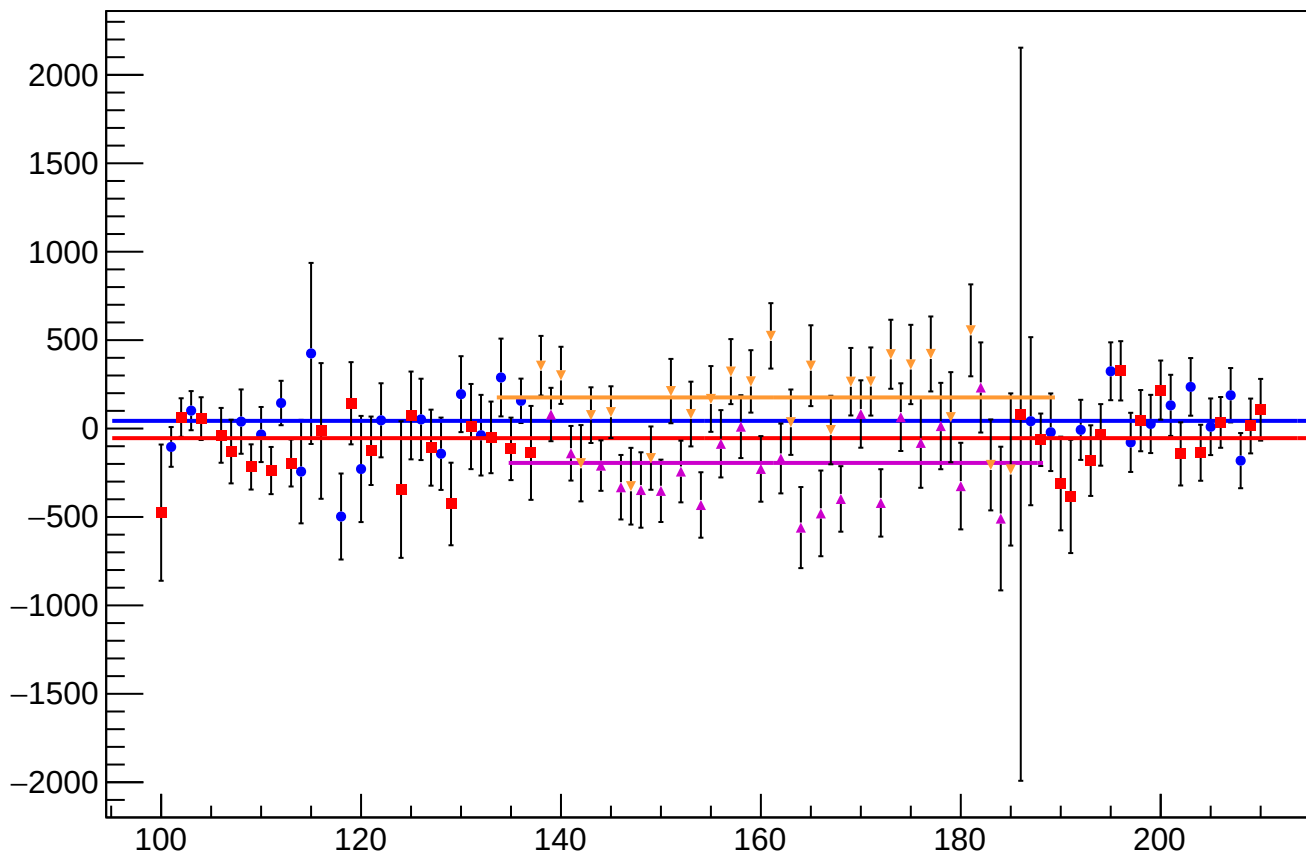
Left In: 1009.672+/-0.168 χ^2/NDF :498783.5/22

+ sign 919.679+/-0.113 χ^2/NDF : 3279145.4/51

All: 907.863 ± 0.079 χ^2/NDF : 8124540.7/107

- sign 896.766+/-0.109 χ^2/NDF : 4824121.3/55

eigen_dit_asym_sam5_mean vs Slug



Right In: 43.454 ± 33.457 χ^2/NDF : 22.0/26

Left Out: 176.011 ± 38.838 χ^2/NDF : 30.8/24

Right Out: -54.265 ± 31.079 χ^2/NDF : 25.1/32

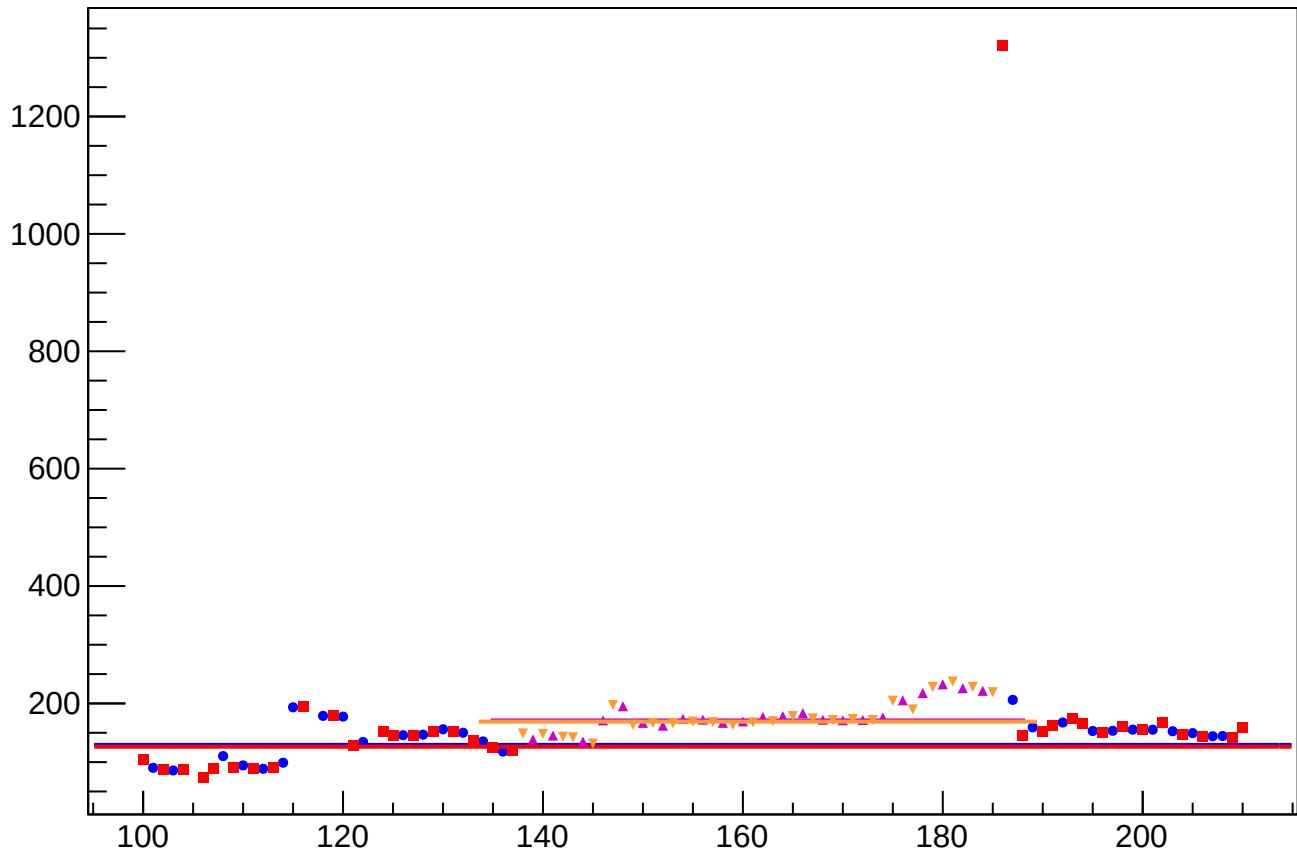
Left In: -194.324 ± 40.384 χ^2/NDF : 23.8/22

+ sign 99.922 ± 25.348 χ^2/NDF : 59.4/51

All: -6.186 ± 17.665 χ^2/NDF : 150.0/107

- sign -106.363 ± 24.630 χ^2/NDF : 56.5/55

eigen_dit_asym_sam5_rms vs Slug



Right In: 129.368 $\pm$ 0.024 χ^2 /NDF: 1639097.9/26

Left Out: 169.009 $\pm$ 0.027 χ^2 /NDF: 773925.9/24

Right Out: 126.272 $\pm$ 0.022 χ^2 /NDF: 2912838.0/32

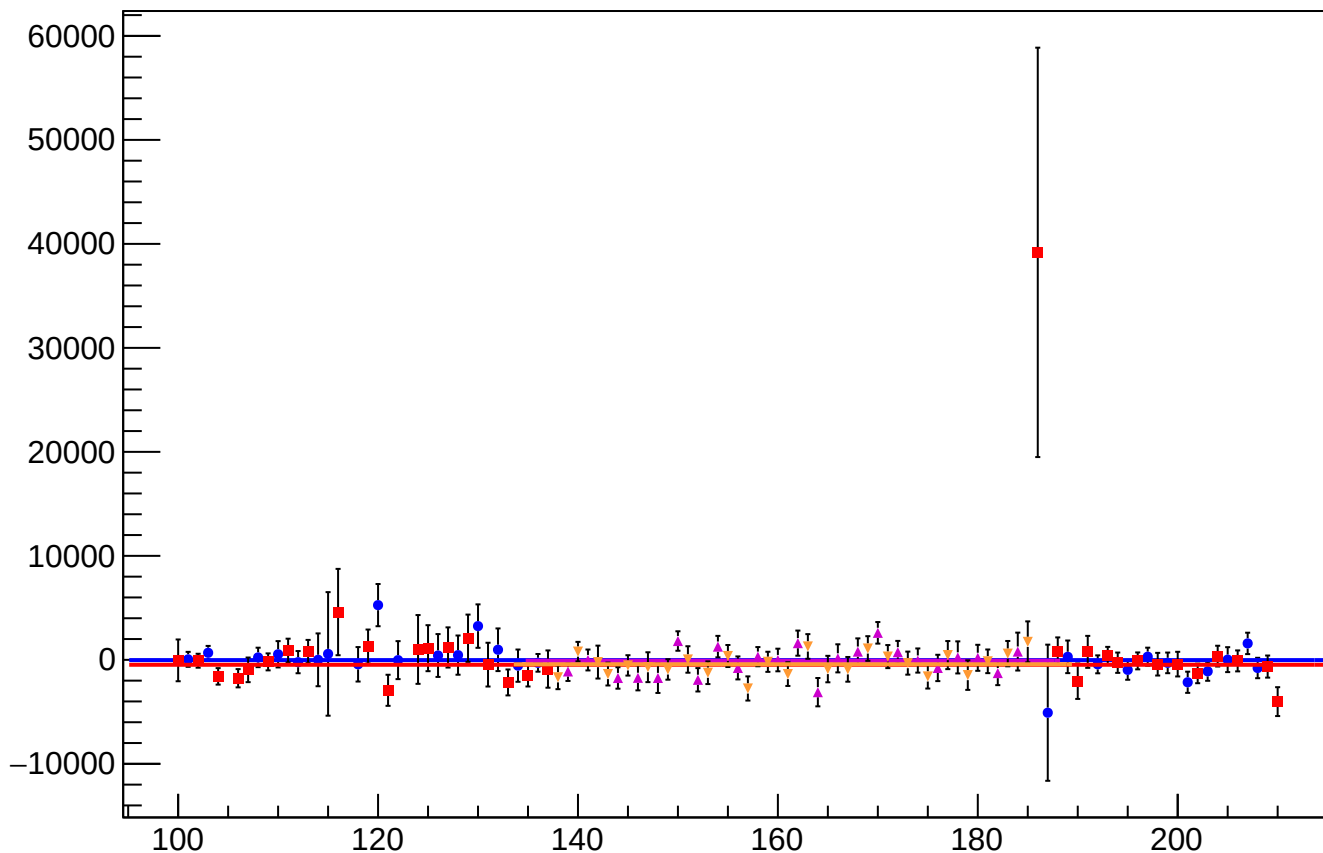
Left In: 171.021 $\pm$ 0.029 χ^2 /NDF: 678096.1/22

+ sign 146.255 $\pm$ 0.018 χ^2 /NDF: 3609027.1/51

All: 144.538 $\pm$ 0.012 χ^2 /NDF: 8760094.5/107

- sign 142.917 $\pm$ 0.017 χ^2 /NDF: 5133233.0/55

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: -24.917 ± 219.276 χ^2/NDF : 22.2/26

Left Out: -425.818 ± 232.561 χ^2/NDF : 18.4/24

Right Out: -473.818 ± 203.265 χ^2/NDF : 34.5/32

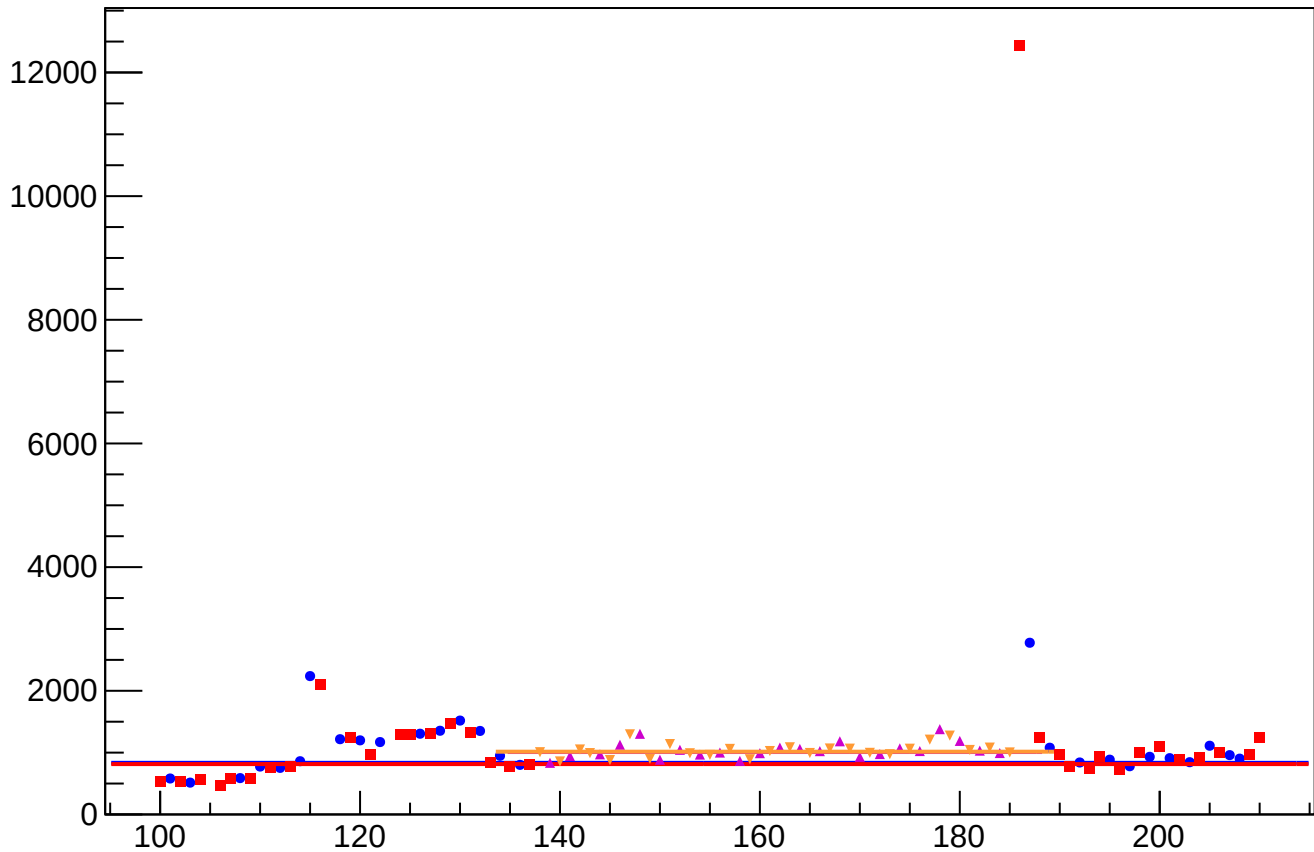
Left In: -86.487 ± 238.155 χ^2/NDF : 32.4/22

+ sign -213.590 ± 159.541 χ^2/NDF : 42.1/51

All: -263.606 ± 111.028 χ^2/NDF : 110.7/107

- sign -310.577 ± 154.609 χ^2/NDF : 68.4/55

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 834.895+/-0.155 χ^2/NDF : 2245860.9/26

Left Out: 1015.047+/-0.164 χ^2/NDF : 397964.6/24

Right Out: 814.517+/-0.144 χ^2/NDF : 3548367.5/32

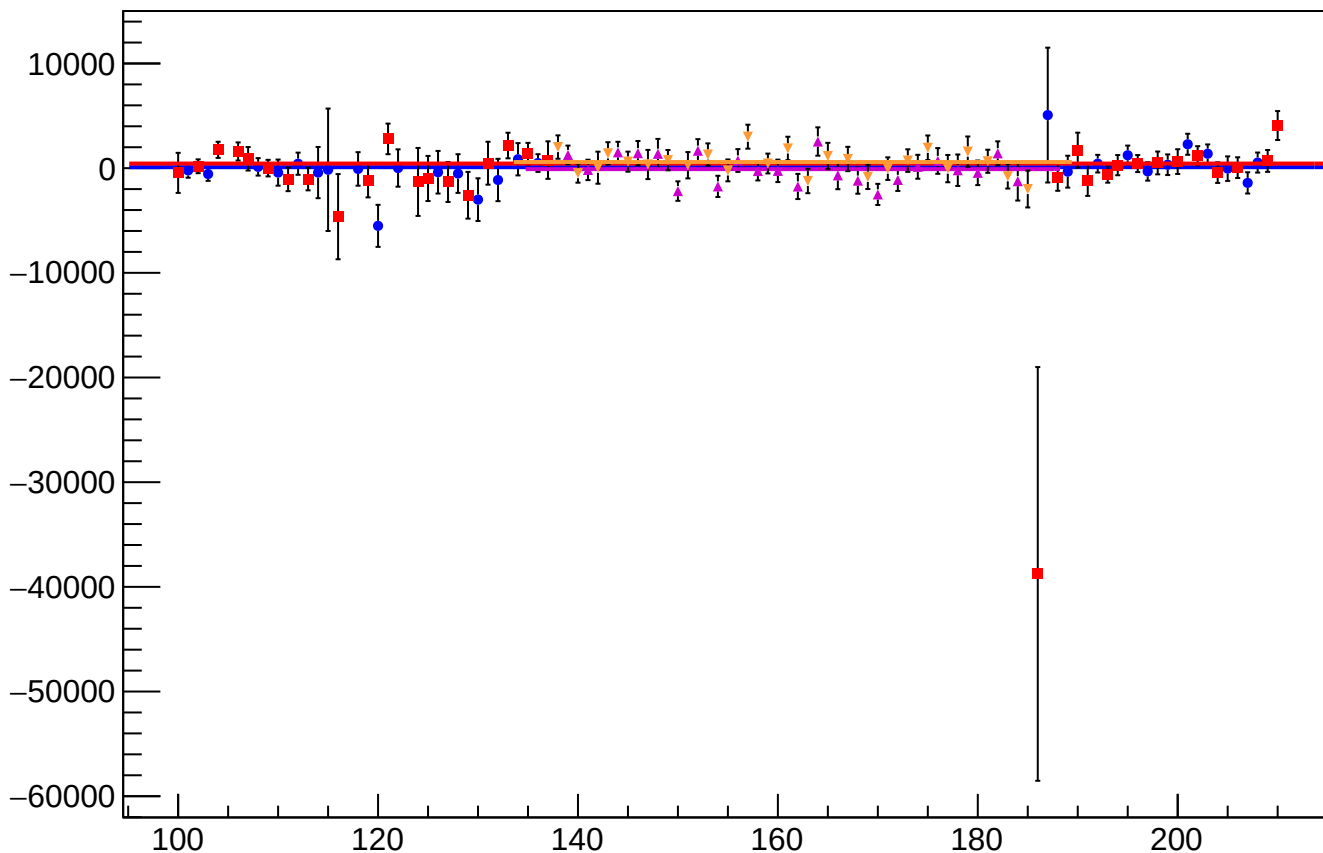
Left In: 1009.673+/-0.168 χ^2/NDF : 498783.6/22

+ sign 919.679+/-0.113 χ^2/NDF : 3279155.8/51

All: 907.863+/-0.079 χ^2/NDF : 8124570.3/107

- sign 896.766+/-0.109 χ^2/NDF : 4824140.8/55

asym_sam5_mean vs Slug



Right In: 92.796+/-214.374 χ^2/NDF : 24.5/26

Left Out: 586.188+/-227.585 χ^2/NDF : 20.8/24

Right Out: 439.682+/-199.429 χ^2/NDF : 37.3/32

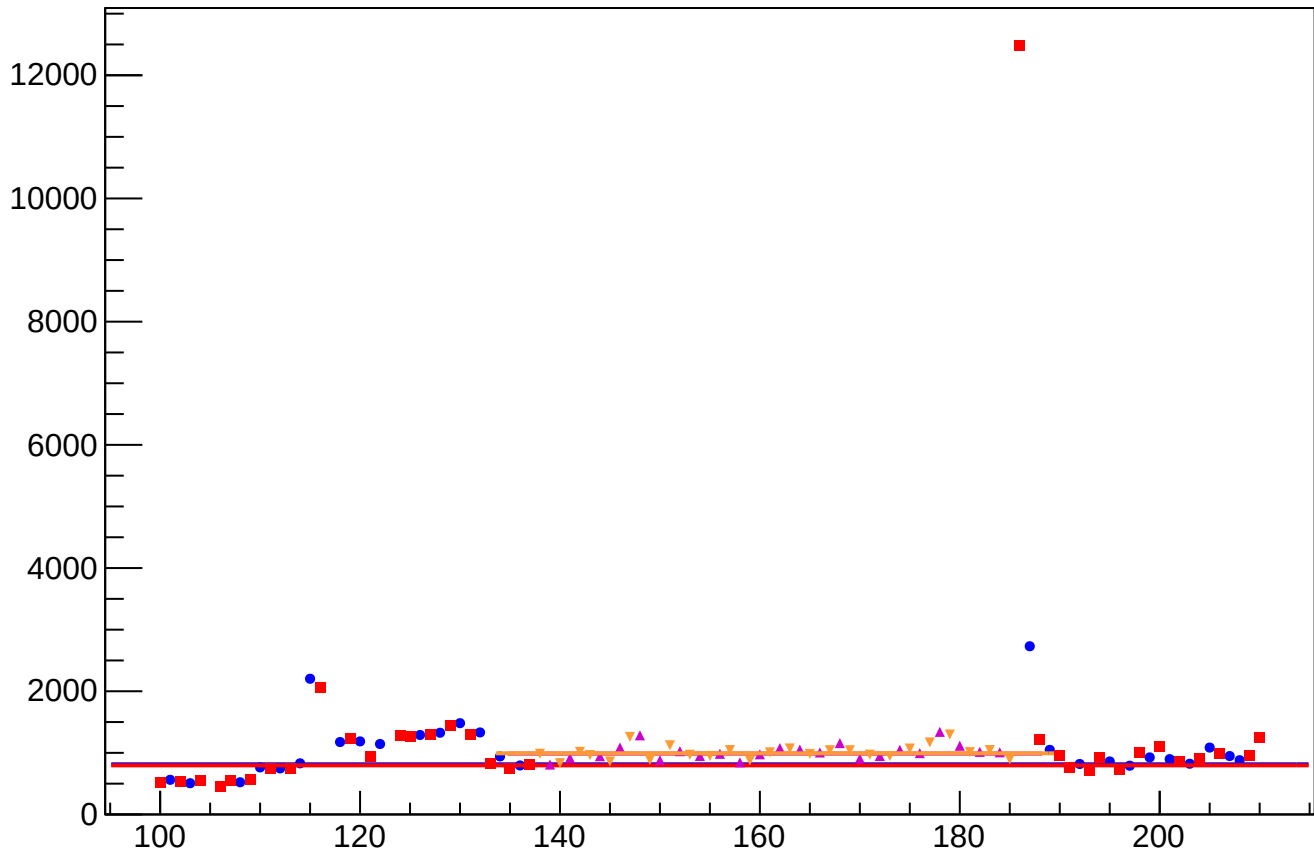
Left In: -92.688+/-233.019 χ^2/NDF : 34.6/22

+ sign 324.756+/-156.047 χ^2/NDF : 47.7/51

All: 268.056+/-108.704 χ^2/NDF : 122.8/107

- sign 214.601+/-151.515 χ^2/NDF : 74.8/55

asym_sam5_rms vs Slug



Right In: 814.217+/-0.152 χ^2/NDF : 2354498.0/26

Left Out: 992.549+/-0.161 χ^2/NDF : 424899.6/24

Right Out: 797.094+/-0.141 χ^2/NDF : 3650745.7/32

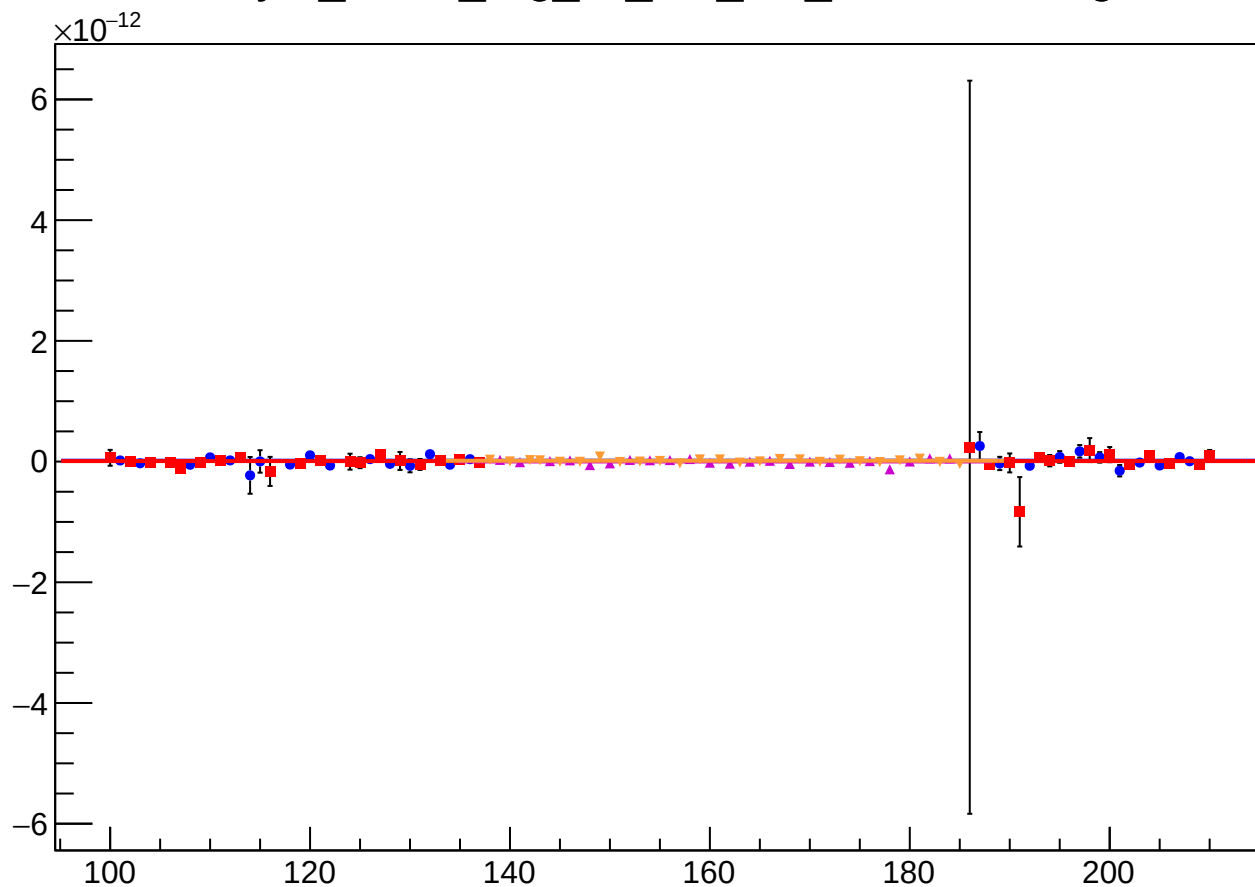
Left In: 987.784+/-0.165 χ^2/NDF : 487733.2/22

+ sign 898.057+/-0.110 χ^2/NDF : 3430079.1/51

All: 887.587+/-0.077 χ^2/NDF : 8359149.4/107

- sign 877.716+/-0.107 χ^2/NDF : 4911578.4/55

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 29.8/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 23.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 24.5/32

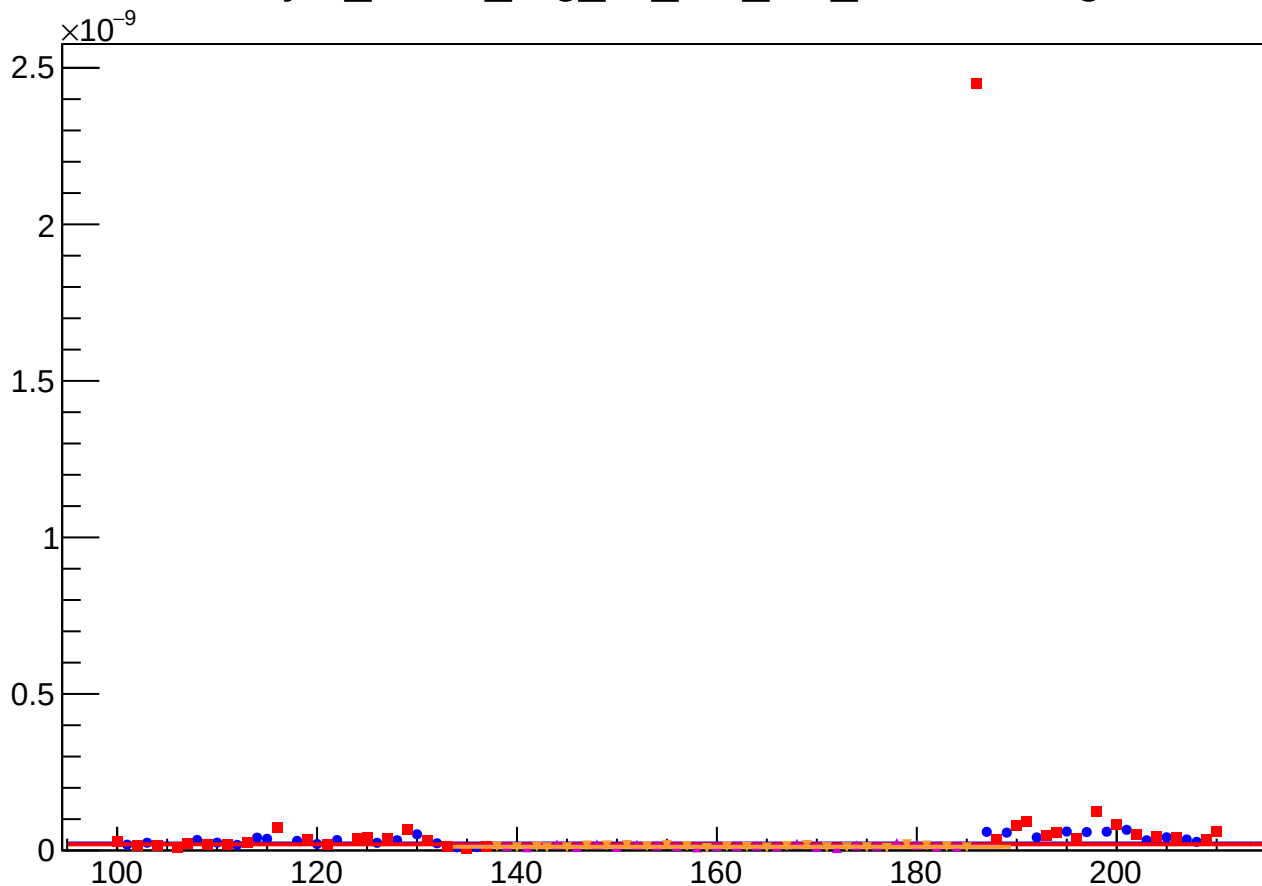
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 28.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 53.0/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 108.4/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 52.9/55

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3697386.1/26

Left Out: 0.000+/-0.000 χ^2/NDF : 762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6353325.0/32

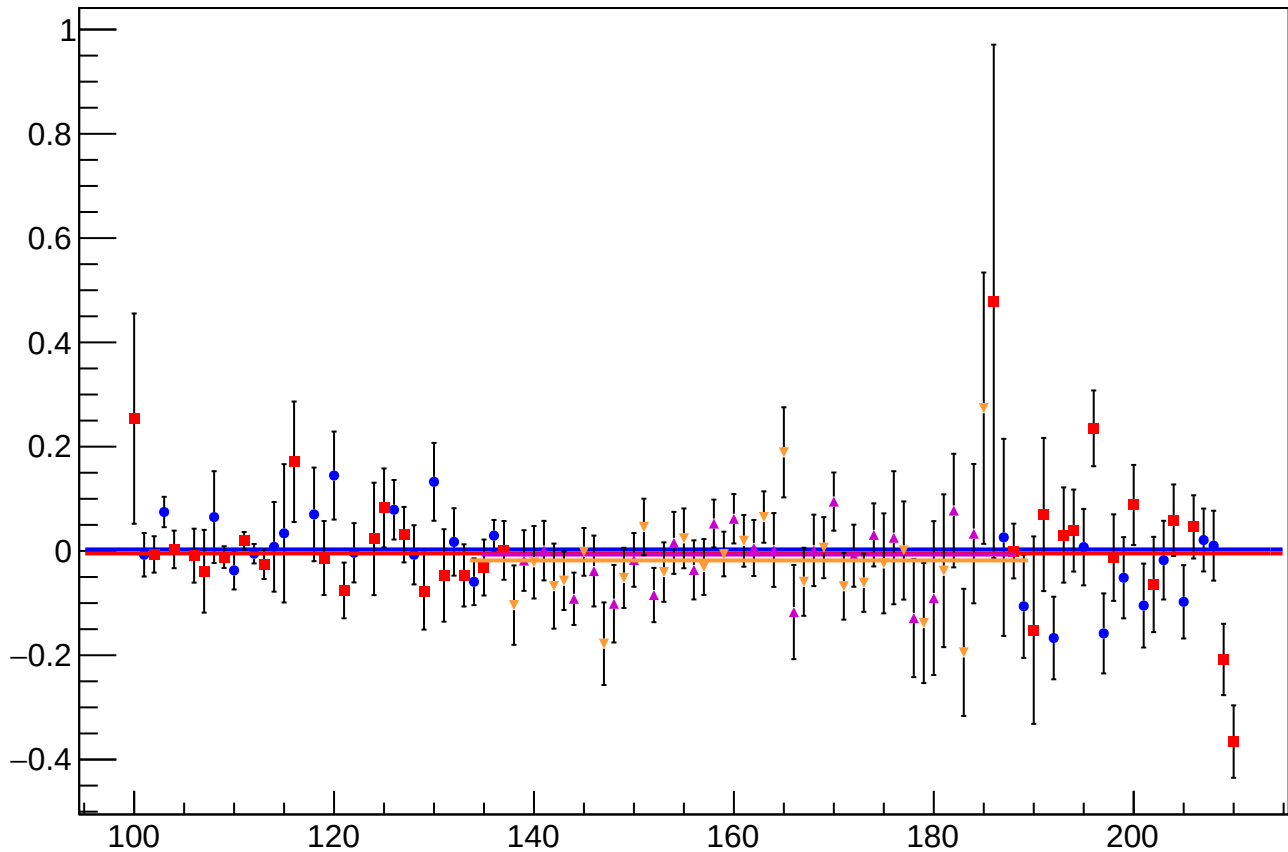
Left In: 0.000+/-0.000 χ^2/NDF : 853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 6401101.4/51

All: 0.000+/-0.000 χ^2/NDF : 14448859.5/107

- sign 0.000+/-0.000 χ^2/NDF : 7939246.2/55

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.010 χ^2/NDF : 33.8/26

Left Out: -0.018 ± 0.013 χ^2/NDF : 24.3/24

Right Out: -0.005 ± 0.008 χ^2/NDF : 65.1/32

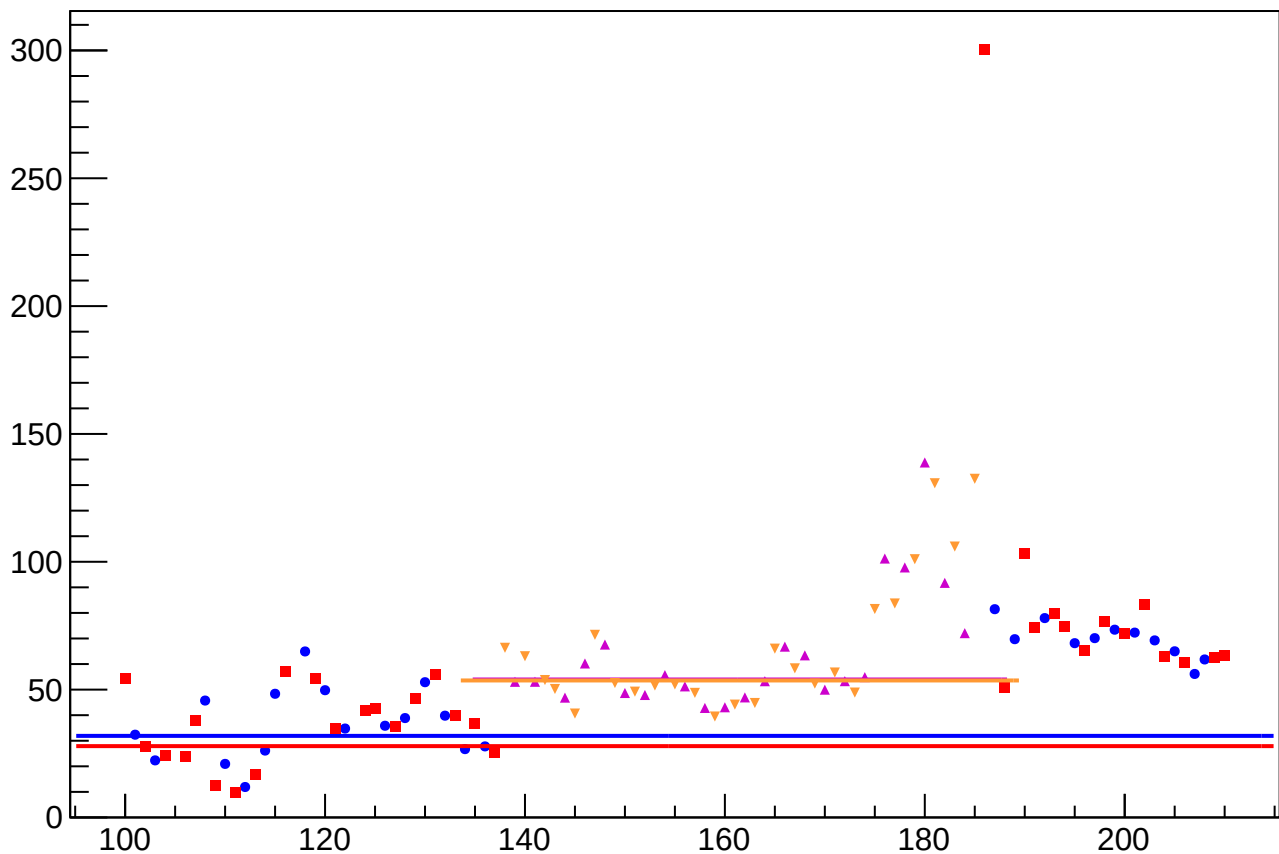
Left In: -0.007 ± 0.013 χ^2/NDF : 18.7/22

+ sign -0.005 ± 0.008 χ^2/NDF : 59.9/51

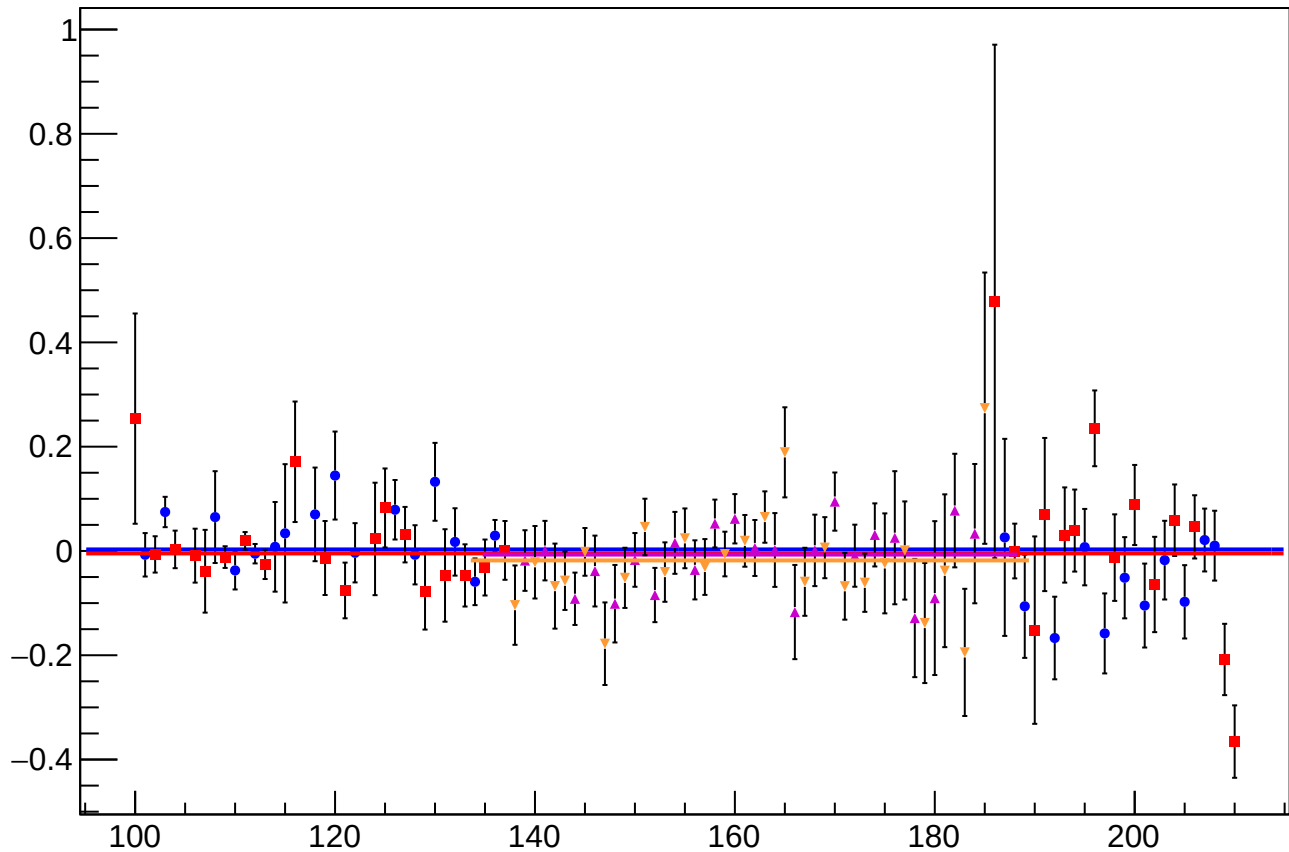
All: -0.005 ± 0.005 χ^2/NDF : 143.6/107

- sign -0.005 ± 0.007 χ^2/NDF : 83.8/55

asym_sam5_dit_vs_cor_diff_rms vs Slug



asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.010 χ^2/NDF : 33.8/26

Left Out: -0.018 ± 0.013 χ^2/NDF : 24.3/24

Right Out: -0.005 ± 0.008 χ^2/NDF : 65.1/32

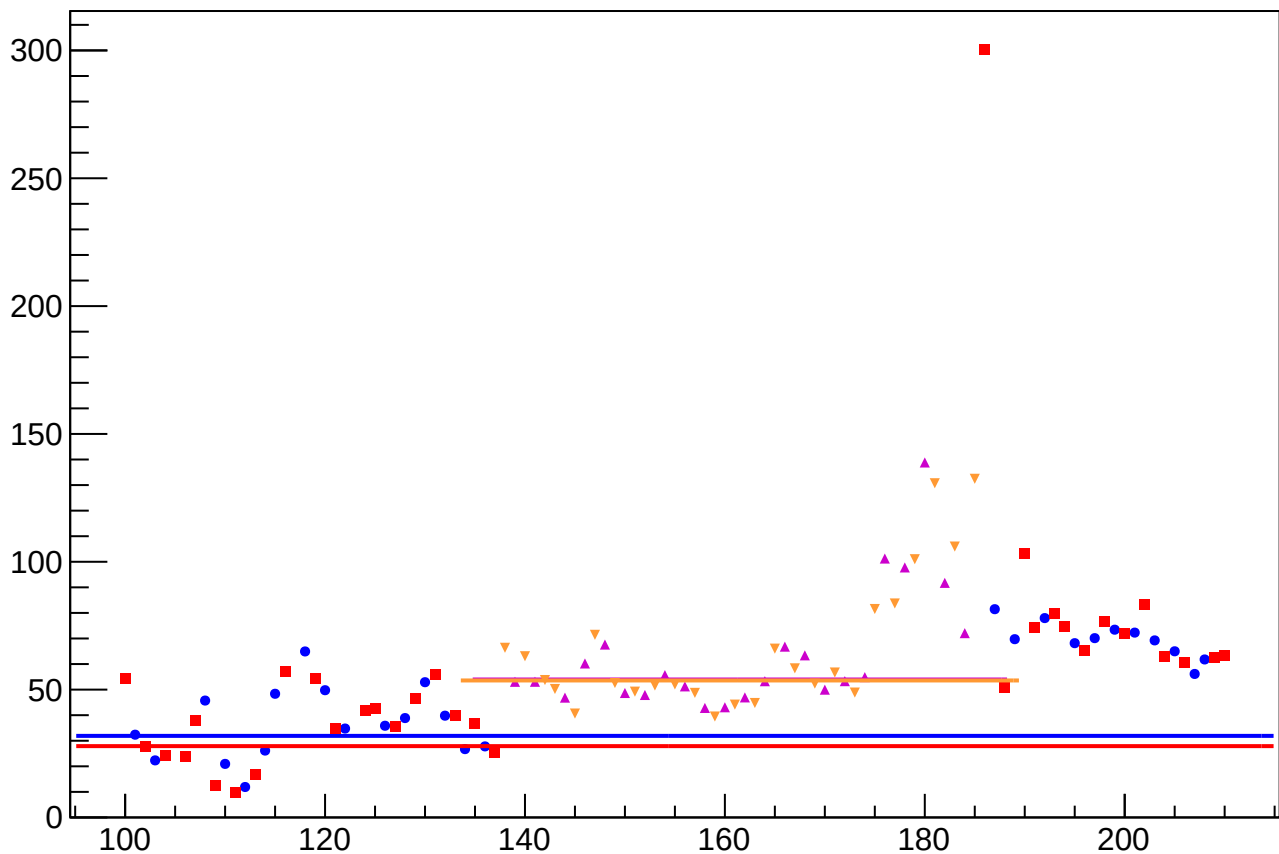
Left In: -0.007 ± 0.013 χ^2/NDF : 18.7/22

+ sign -0.005 ± 0.008 χ^2/NDF : 59.9/51

All: -0.005 ± 0.005 χ^2/NDF : 143.6/107

- sign -0.005 ± 0.007 χ^2/NDF : 83.8/55

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.909+/-0.007 χ^2/NDF : 8265352.9/26

Left Out: 53.582+/-0.009 χ^2/NDF : 2642509.0/24

Right Out: 27.897+/-0.006 χ^2/NDF : 12522522.1/32

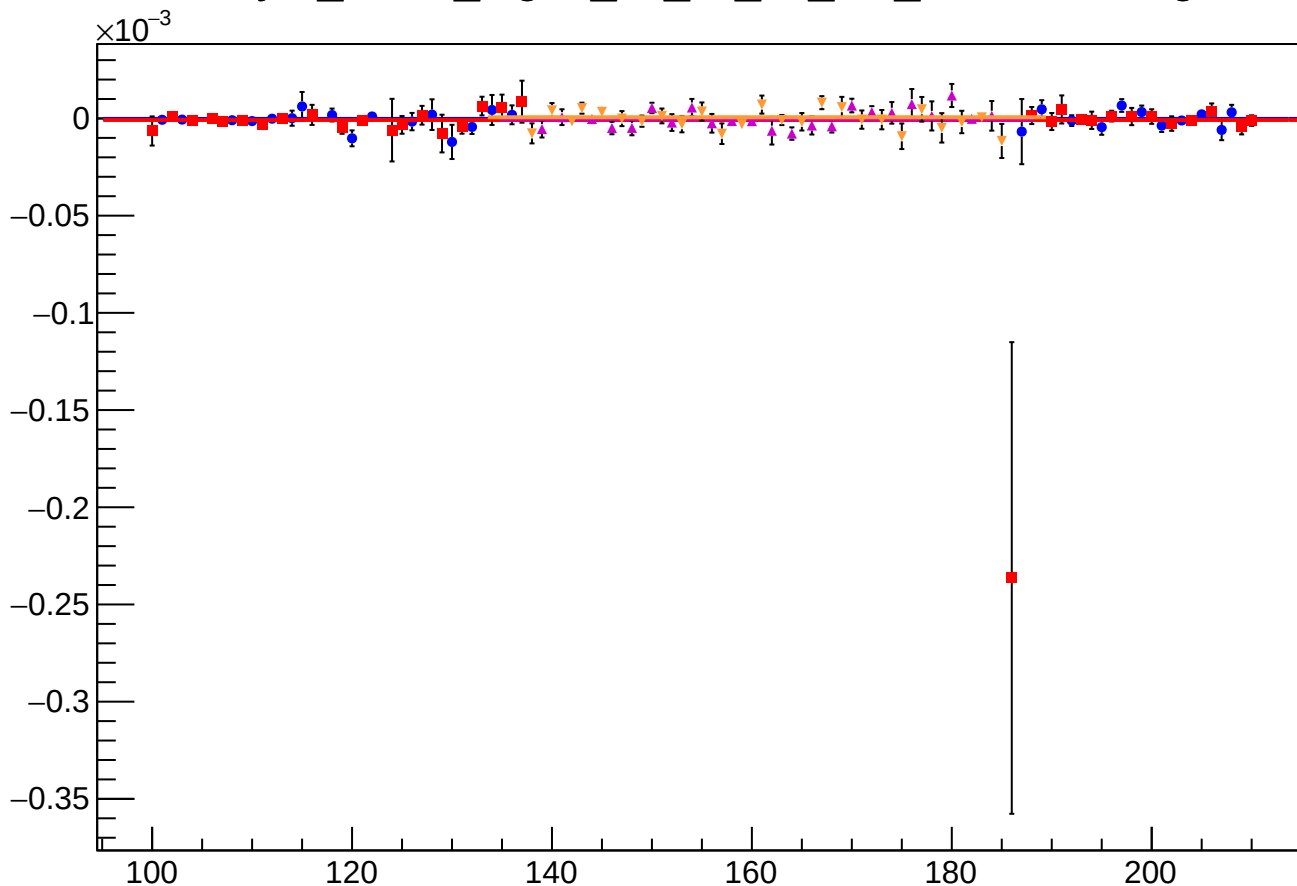
Left In: 53.961+/-0.009 χ^2/NDF : 2039530.1/22

+ sign 39.751+/-0.005 χ^2/NDF : 14566586.5/51

All: 37.447+/-0.004 χ^2/NDF : 34995398.7/107

- sign 35.480+/-0.005 χ^2/NDF : 20096860.4/55

asym_sam5_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.7/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 31.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.6/32

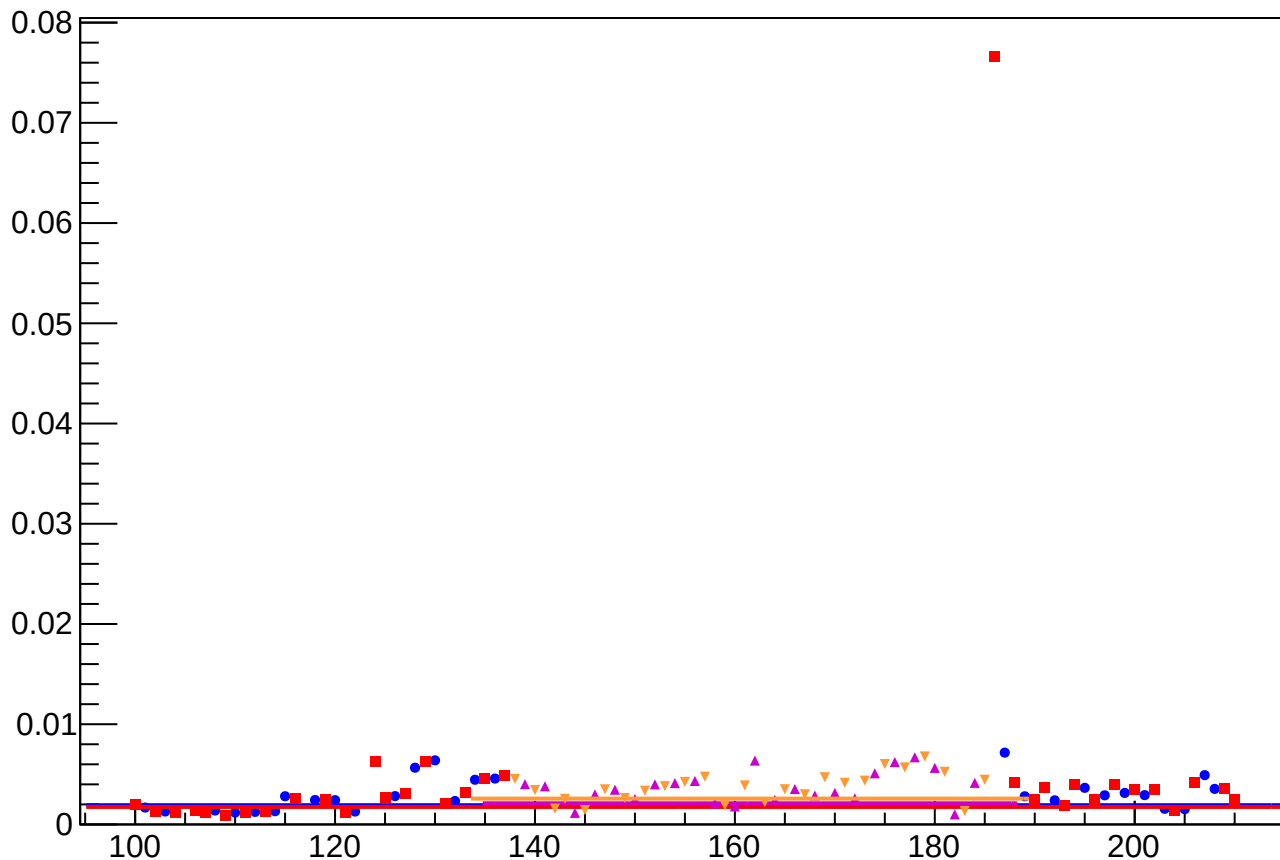
Left In: -0.000 ± 0.000 χ^2/NDF : 30.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 56.7/51

All: -0.000 ± 0.000 χ^2/NDF : 109.0/107

- sign -0.000 ± 0.000 χ^2/NDF : 50.8/55

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2/NDF : 5751528.5/26

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 7112963.2/24

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 8558210.0/32

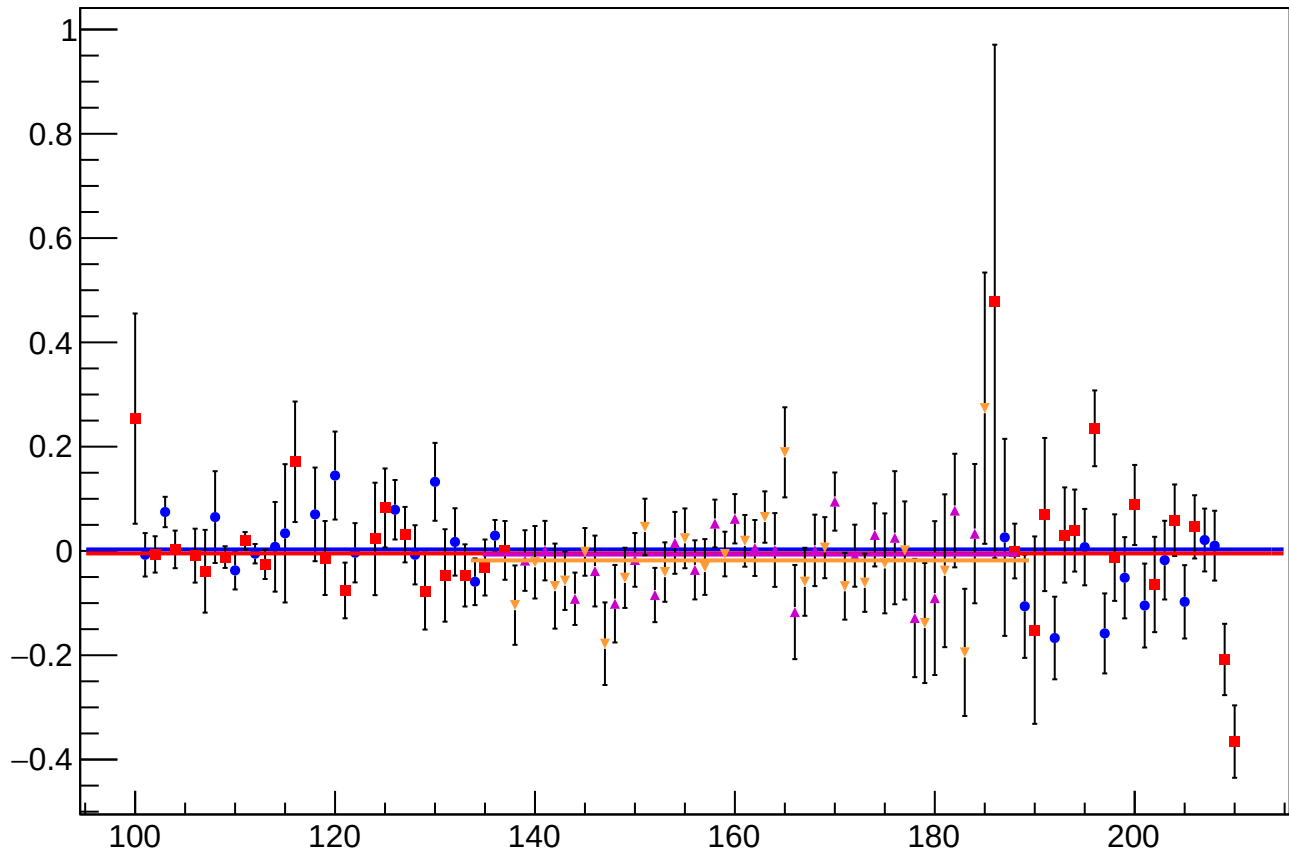
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 9487138.7/22

+ sign 0.002 $\pm$ 0.000 χ^2/NDF : 14019881.1/51

All: 0.002 $\pm$ 0.000 χ^2/NDF : 33067356.6/107

- sign 0.002 $\pm$ 0.000 χ^2/NDF : 18510016.3/55

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.010 χ^2/NDF : 33.8/26

Left Out: -0.018 ± 0.013 χ^2/NDF : 24.3/24

Right Out: -0.005 ± 0.008 χ^2/NDF : 65.1/32

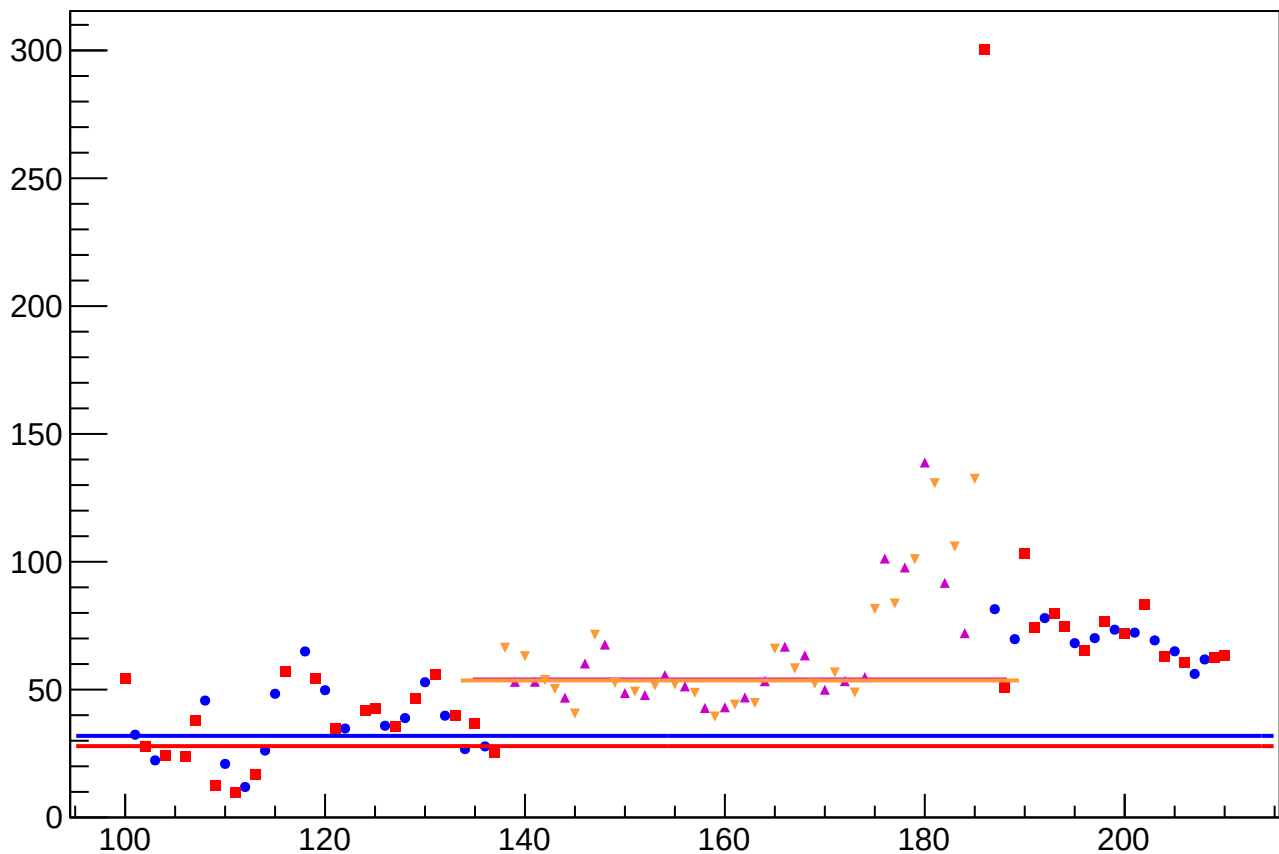
Left In: -0.007 ± 0.013 χ^2/NDF : 18.7/22

+ sign -0.005 ± 0.008 χ^2/NDF : 59.8/51

All: -0.005 ± 0.005 χ^2/NDF : 143.6/107

- sign -0.005 ± 0.007 χ^2/NDF : 83.8/55

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.908 $\pm$ 0.007 χ^2 /NDF: 8265423.4/26

Left Out: 53.582 $\pm$ 0.009 χ^2 /NDF: 2642554.6/24

Right Out: 27.897 $\pm$ 0.006 χ^2 /NDF: 12522725.6/32

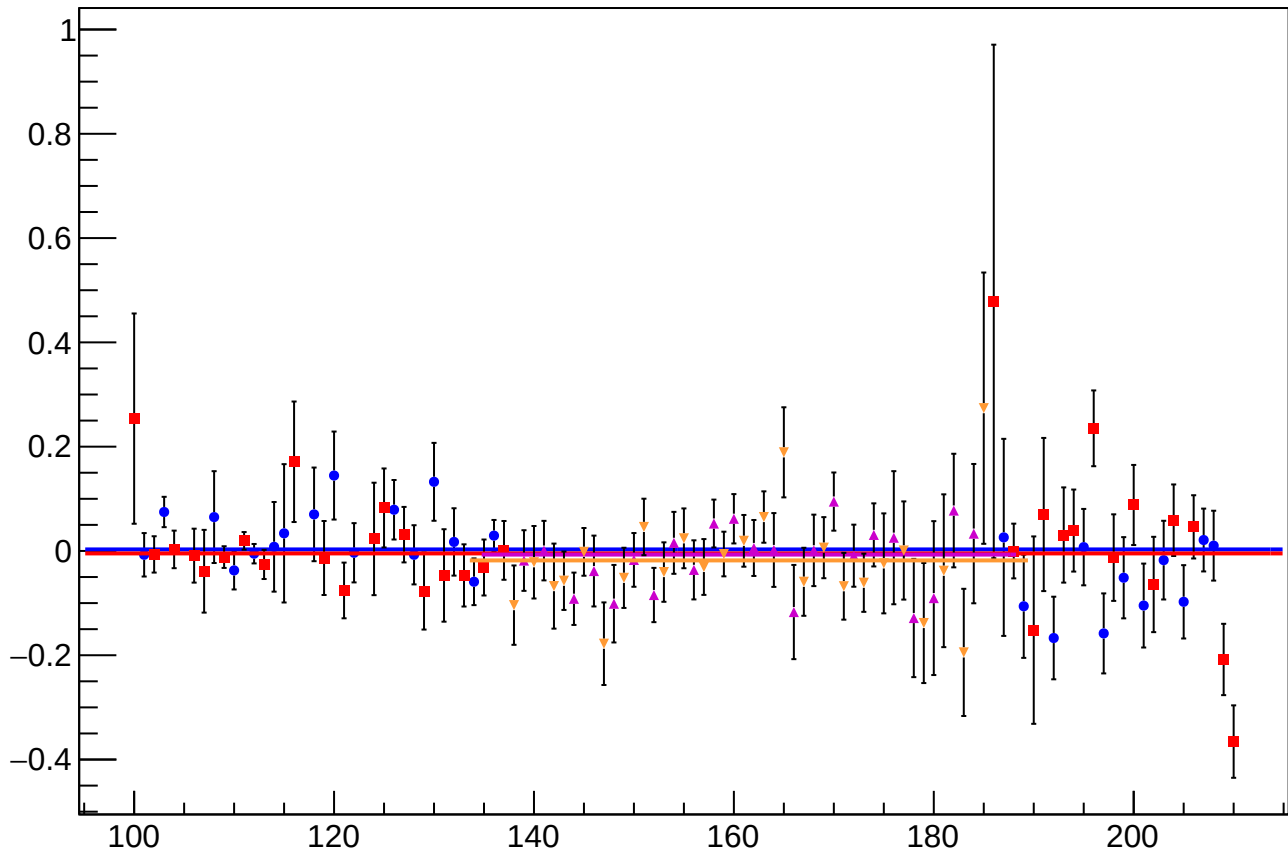
Left In: 53.961 $\pm$ 0.009 χ^2 /NDF: 2039571.7/22

+ sign 39.751 $\pm$ 0.005 χ^2 /NDF: 14567053.2/51

All: 37.447 $\pm$ 0.004 χ^2 /NDF: 34996585.6/107

- sign 35.479 $\pm$ 0.005 χ^2 /NDF: 20097553.7/55

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.010 χ^2/NDF : 33.8/26

Left Out: -0.018 ± 0.013 χ^2/NDF : 24.3/24

Right Out: -0.005 ± 0.008 χ^2/NDF : 65.1/32

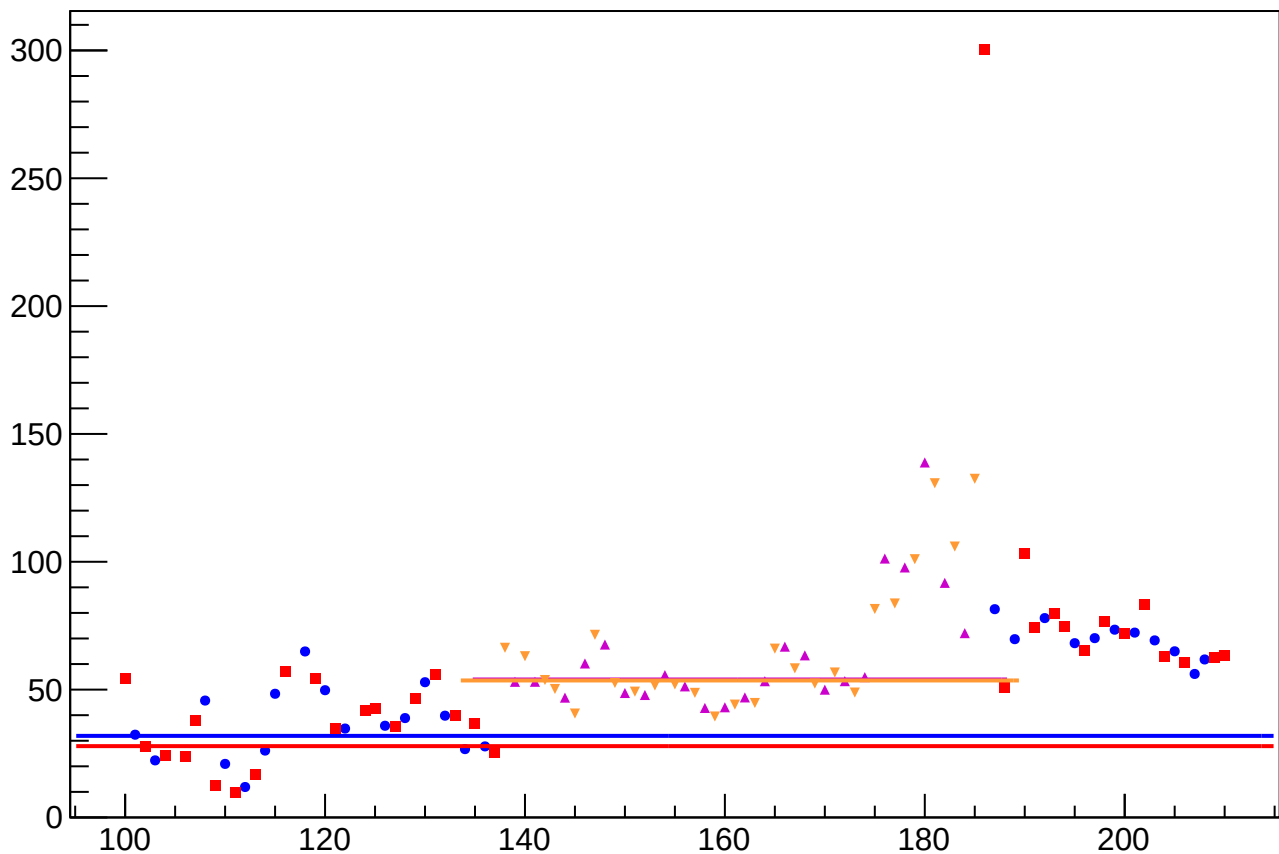
Left In: -0.007 ± 0.013 χ^2/NDF : 18.7/22

+ sign -0.005 ± 0.008 χ^2/NDF : 59.8/51

All: -0.005 ± 0.005 χ^2/NDF : 143.6/107

- sign -0.005 ± 0.007 χ^2/NDF : 83.8/55

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.908 $\pm$ 0.007 χ^2 /NDF: 8265423.4/26

Left Out: 53.582 $\pm$ 0.009 χ^2 /NDF: 2642554.6/24

Right Out: 27.897 $\pm$ 0.006 χ^2 /NDF: 12522725.6/32

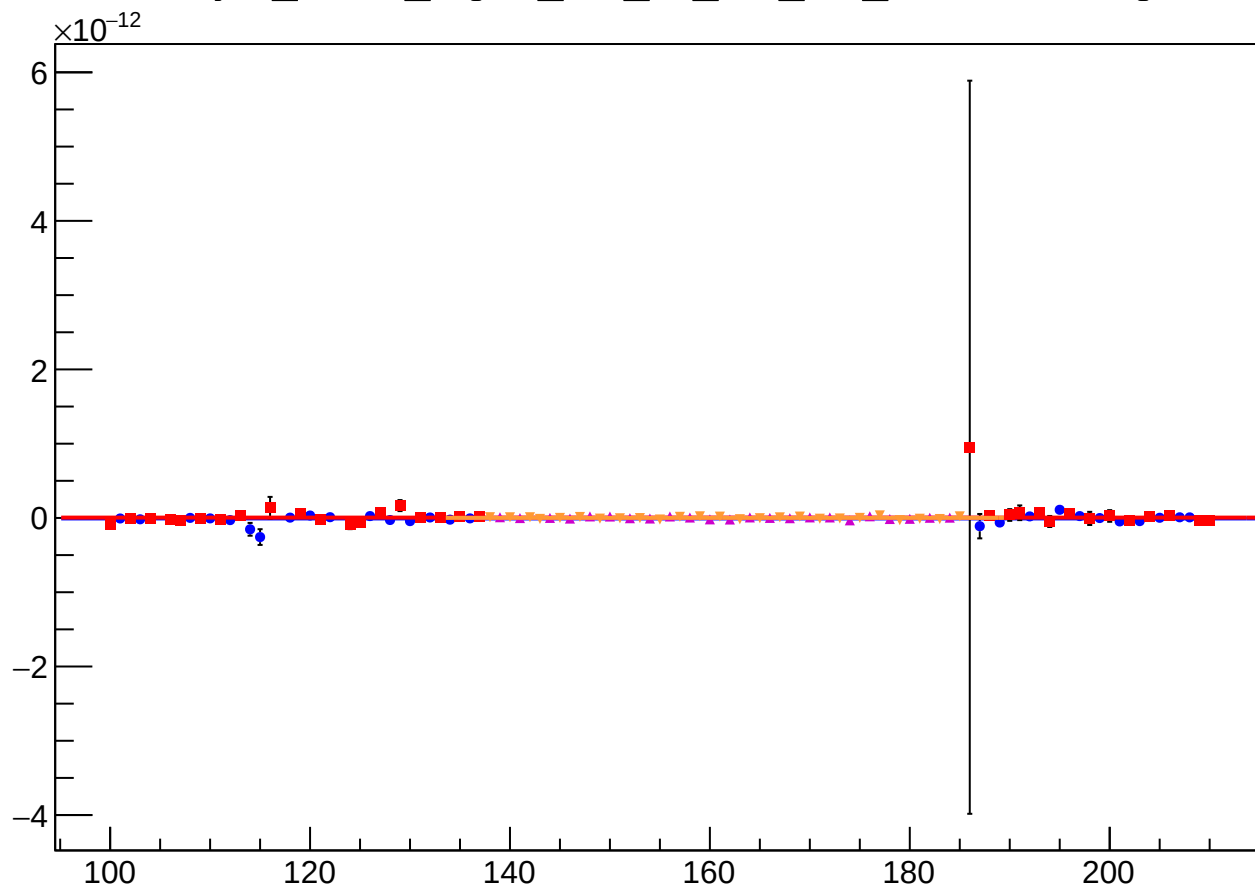
Left In: 53.961 $\pm$ 0.009 χ^2 /NDF: 2039571.7/22

+ sign 39.751 $\pm$ 0.005 χ^2 /NDF: 14567053.2/51

All: 37.447 $\pm$ 0.004 χ^2 /NDF: 34996585.6/107

- sign 35.479 $\pm$ 0.005 χ^2 /NDF: 20097553.7/55

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 22.6/26

Left Out: 0.000+/-0.000 χ^2 /NDF:27.4/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 39.0/32

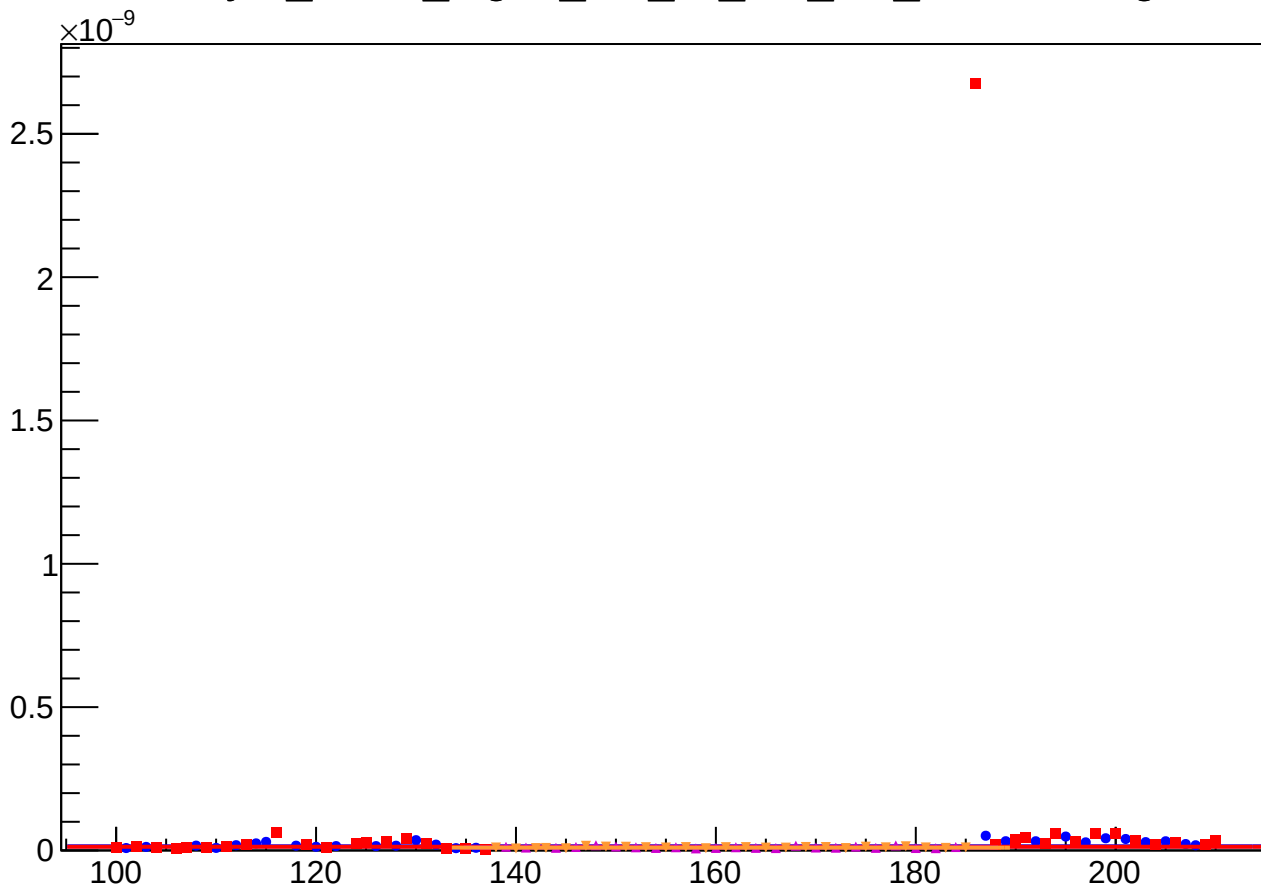
Left In: 0.000+/-0.000 χ^2 /NDF:18.1/22

+ sign -0.000+/-0.000 χ^2 /NDF: 51.8/51

All: 0.000+/-0.000 χ^2 /NDF: 109.8/107

- sign 0.000+/-0.000 χ^2 /NDF: 57.7/55

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5057756.2/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8583441.3/32

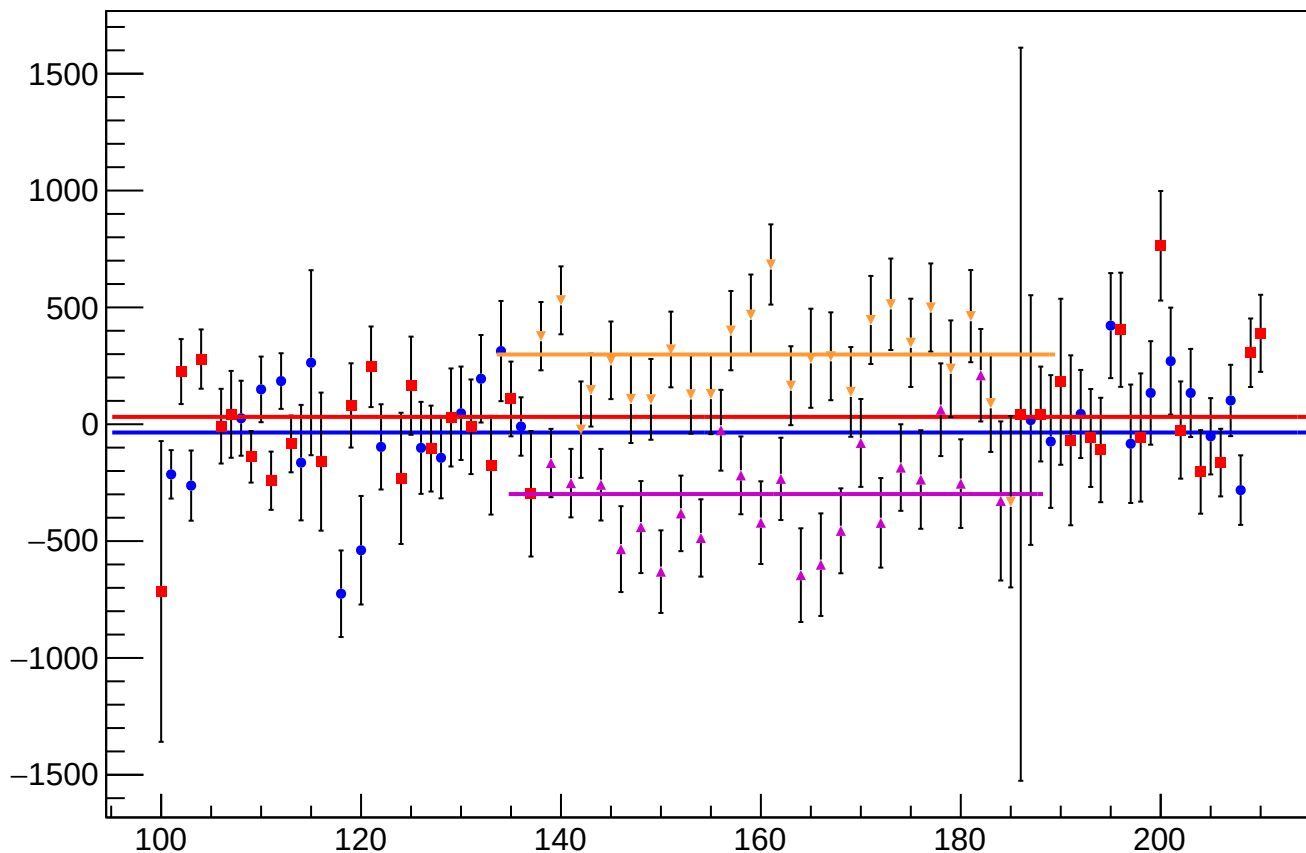
Left In: 0.000+/-0.000 χ^2/NDF : 1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 7478492.4/51

All: 0.000+/-0.000 χ^2/NDF : 17834227.2/107

- sign 0.000+/-0.000 χ^2/NDF : 10354591.2/55

reg_asym_sam6_mean vs Slug



Right In: -35.345 ± 33.916 $\chi^2/\text{NDF}: 46.1/26$

Left Out: 298.517 ± 36.051 $\chi^2/\text{NDF}: 26.0/24$

Right Out: 31.470 ± 31.963 $\chi^2/\text{NDF}: 46.7/32$

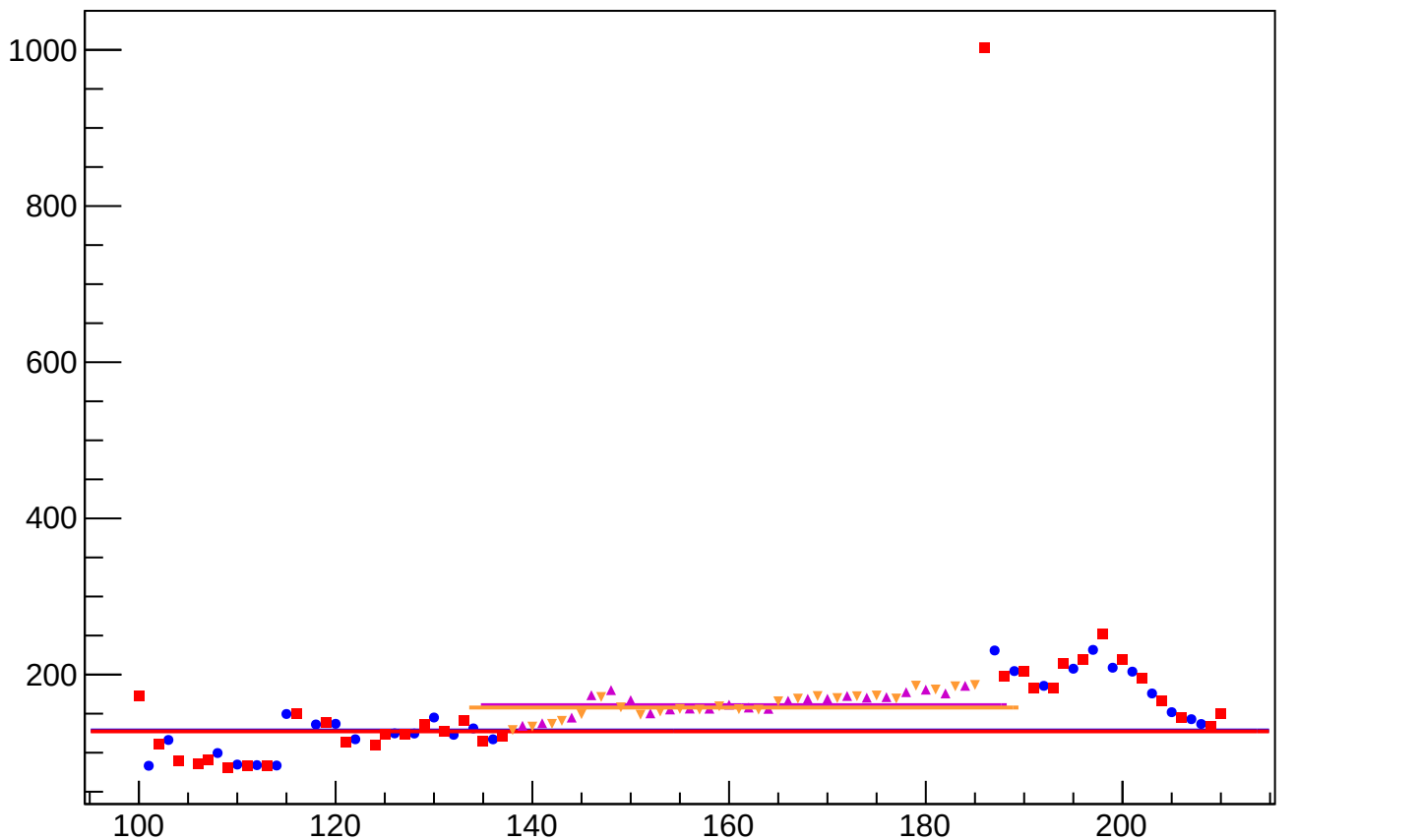
Left In: -298.675 ± 37.727 $\chi^2/\text{NDF}: 29.4/22$

+ sign 121.408 ± 24.702 $\chi^2/\text{NDF}: 117.6/51$

All: 5.999 ± 17.355 $\chi^2/\text{NDF}: 281.4/107$

- sign -106.486 ± 24.387 $\chi^2/\text{NDF}: 120.8/55$

reg_asym_sam6_rms vs Slug



Right In: 128.396+/-0.024 χ^2/NDF : 2701699.5/26

Left Out: 157.836+/-0.025 χ^2/NDF : 377205.2/24

Right Out: 127.336+/-0.023 χ^2/NDF : 4201071.1/32

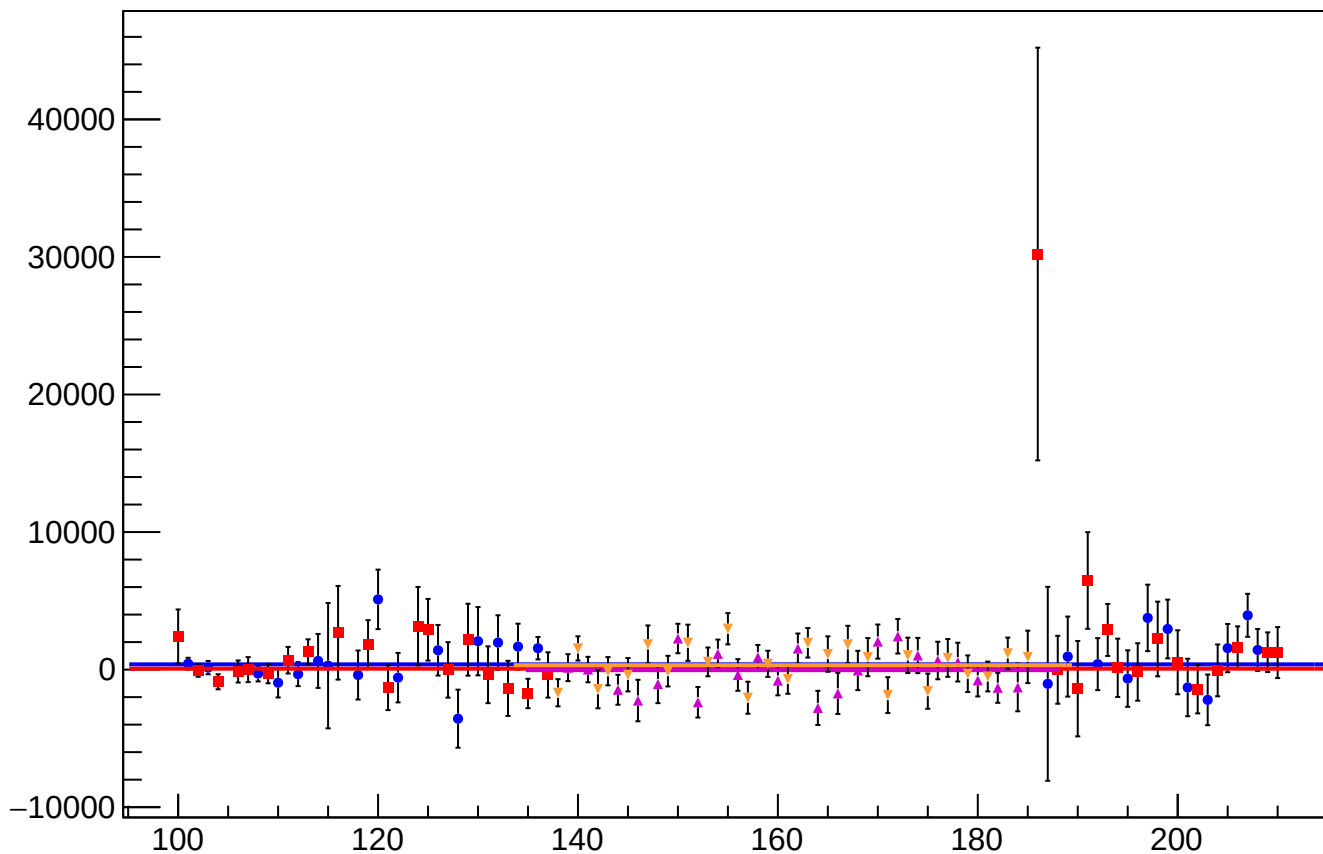
Left In: 160.874+/-0.027 χ^2/NDF : 268330.7/22

+ sign 142.218+/-0.017 χ^2/NDF : 3786483.4/51

All: 141.779+/-0.012 χ^2/NDF : 9177255.1/107

- sign 141.350+/-0.017 χ^2/NDF : 5389520.7/55

asym_sam6_reg_correction_mean vs Slug



Right In: 382.597 $\pm$ 215.510 χ^2 /NDF: 29.2/26

Left Out: 319.947 $\pm$ 235.084 χ^2 /NDF:32.5/24

Right Out: 67.738 $\pm$ 214.401 χ^2 /NDF: 29.8/32

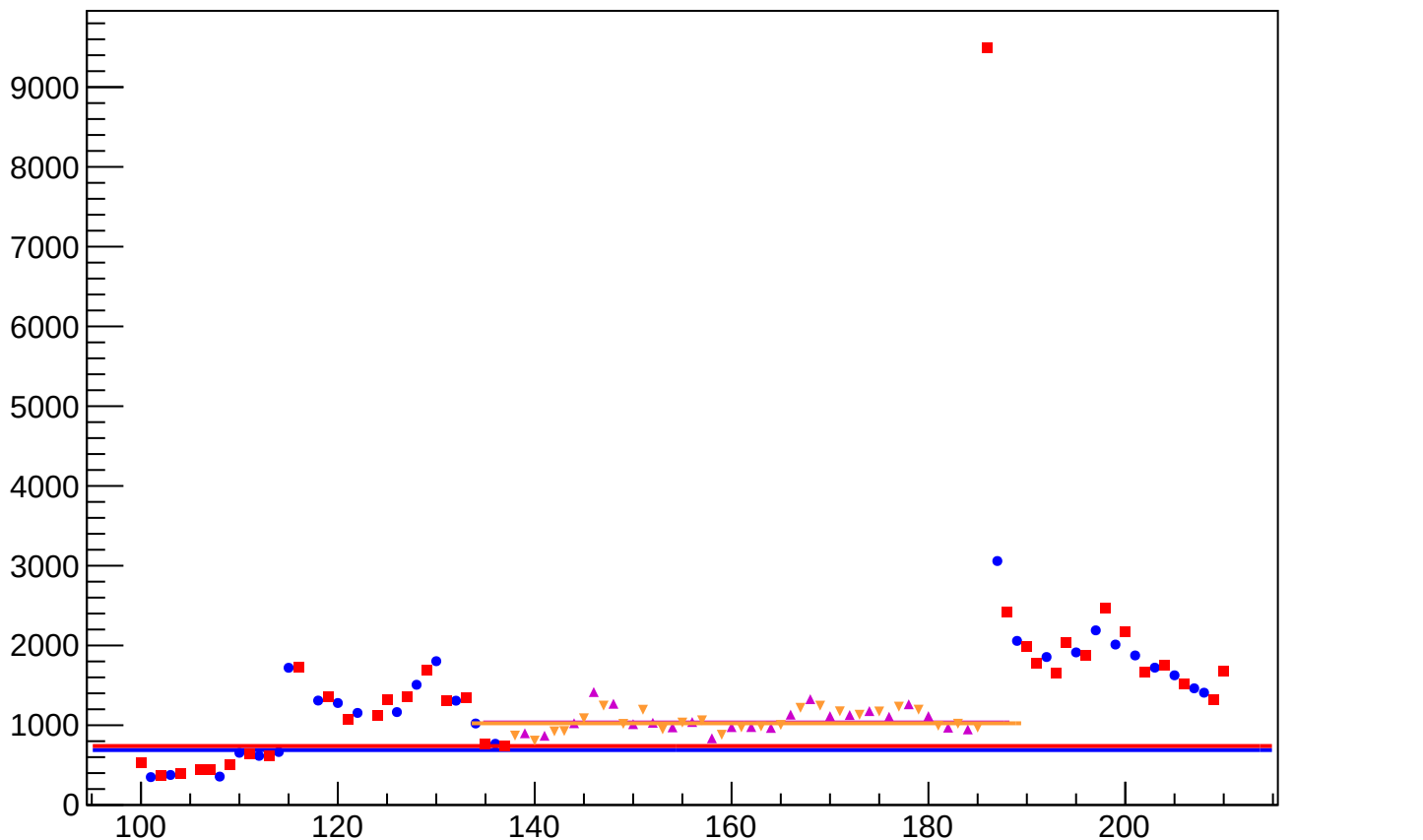
Left In: -39.197 $\pm$ 244.156 χ^2 /NDF:34.8/22

+ sign 353.989 $\pm$ 158.858 χ^2 /NDF: 61.7/51

All: 189.919 $\pm$ 113.115 χ^2 /NDF: 128.5/107

- sign 21.180 $\pm$ 161.103 χ^2 /NDF: 64.7/55

asym_sam6_reg_correction_rms vs Slug



Right In: 688.975+/-0.152 χ^2/NDF : 10975853.6/26

Left Out: 1024.493+/-0.166 χ^2/NDF : 597629.4/24

Right Out: 739.419+/-0.152 χ^2/NDF : 12159057.9/32

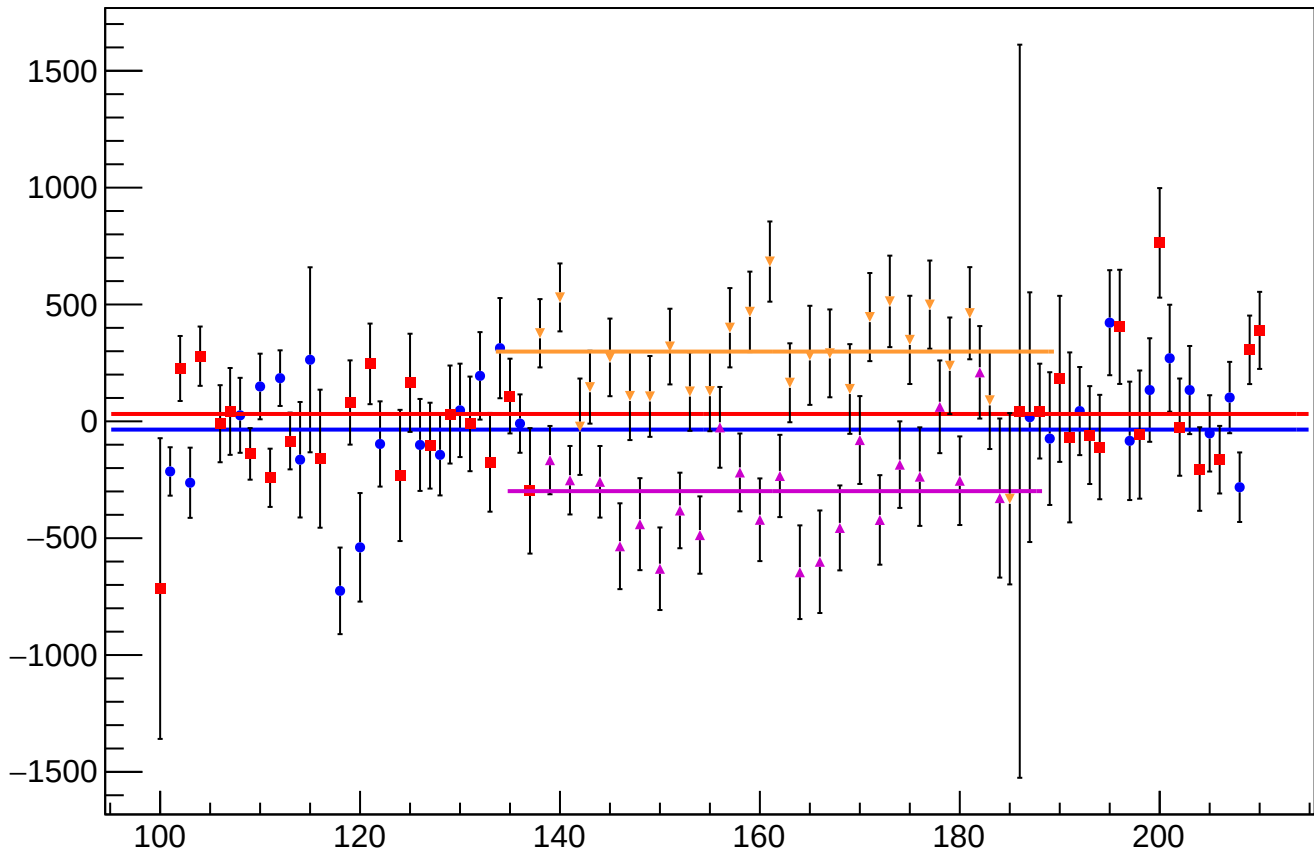
Left In: 1034.428+/-0.173 χ^2/NDF : 628477.2/22

+ sign 842.186+/-0.112 χ^2/NDF : 13787098.5/51

All: 854.844+/-0.080 χ^2/NDF : 28248999.5/10

- sign 867.861+/-0.114 χ^2/NDF : 14436147.2/55

cor_asym_sam6_mean vs Slug



Right In: -35.363 ± 33.916 $\chi^2/\text{NDF}: 46.1/26$

Left Out: 298.518 ± 36.051 $\chi^2/\text{NDF}: 26.0/24$

Right Out: 31.516 ± 32.002 $\chi^2/\text{NDF}: 46.8/32$

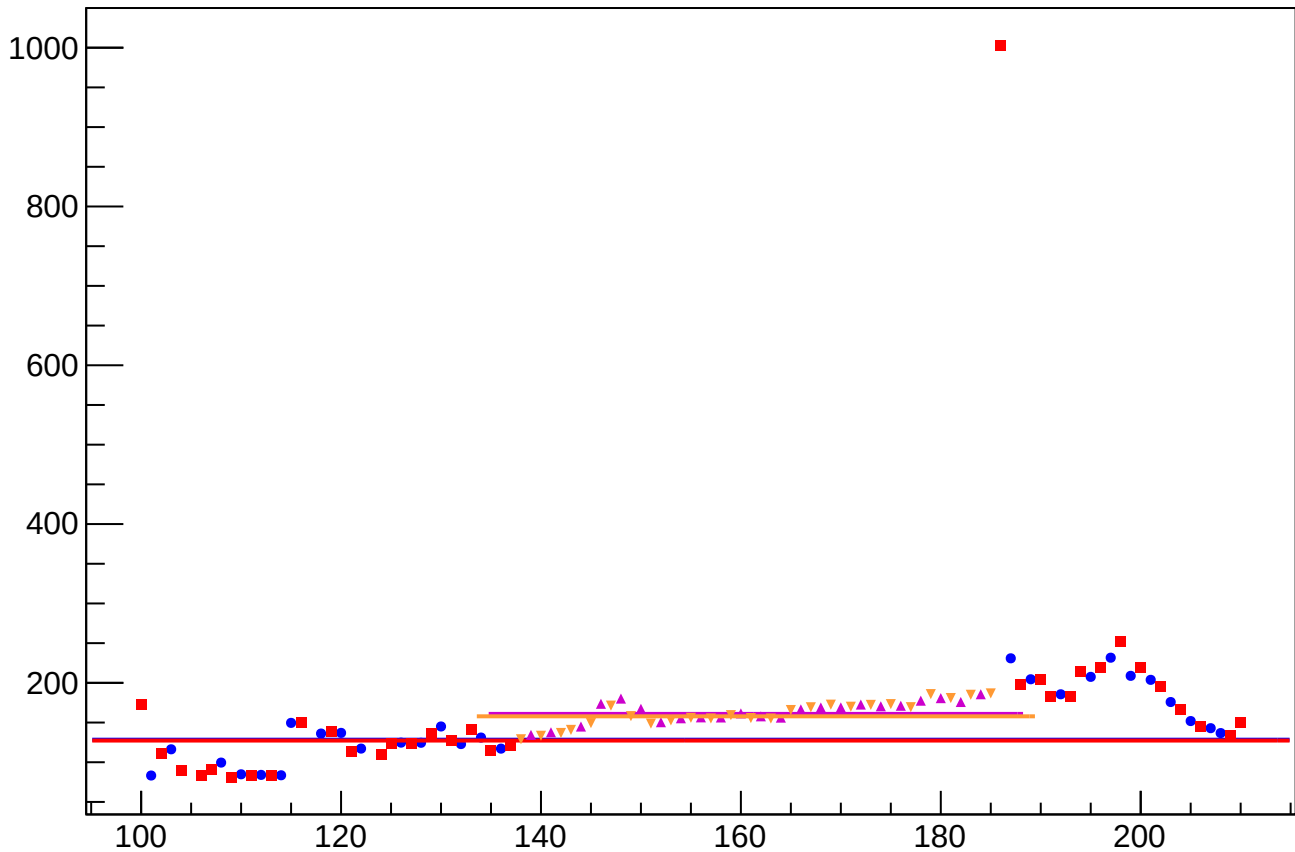
Left In: -298.682 ± 37.727 $\chi^2/\text{NDF}: 29.4/22$

+ sign 121.399 ± 24.702 $\chi^2/\text{NDF}: 117.6/51$

All: 5.989 ± 17.361 $\chi^2/\text{NDF}: 281.4/107$

- sign -106.658 ± 24.405 $\chi^2/\text{NDF}: 120.7/55$

cor_asym_sam6_rms vs Slug



Right In: 128.396+/-0.024 χ^2/NDF : 2701697.8/26

Left Out: 157.836+/-0.025 χ^2/NDF : 377205.2/24

Right Out: 127.318+/-0.023 χ^2/NDF : 4212827.9/32

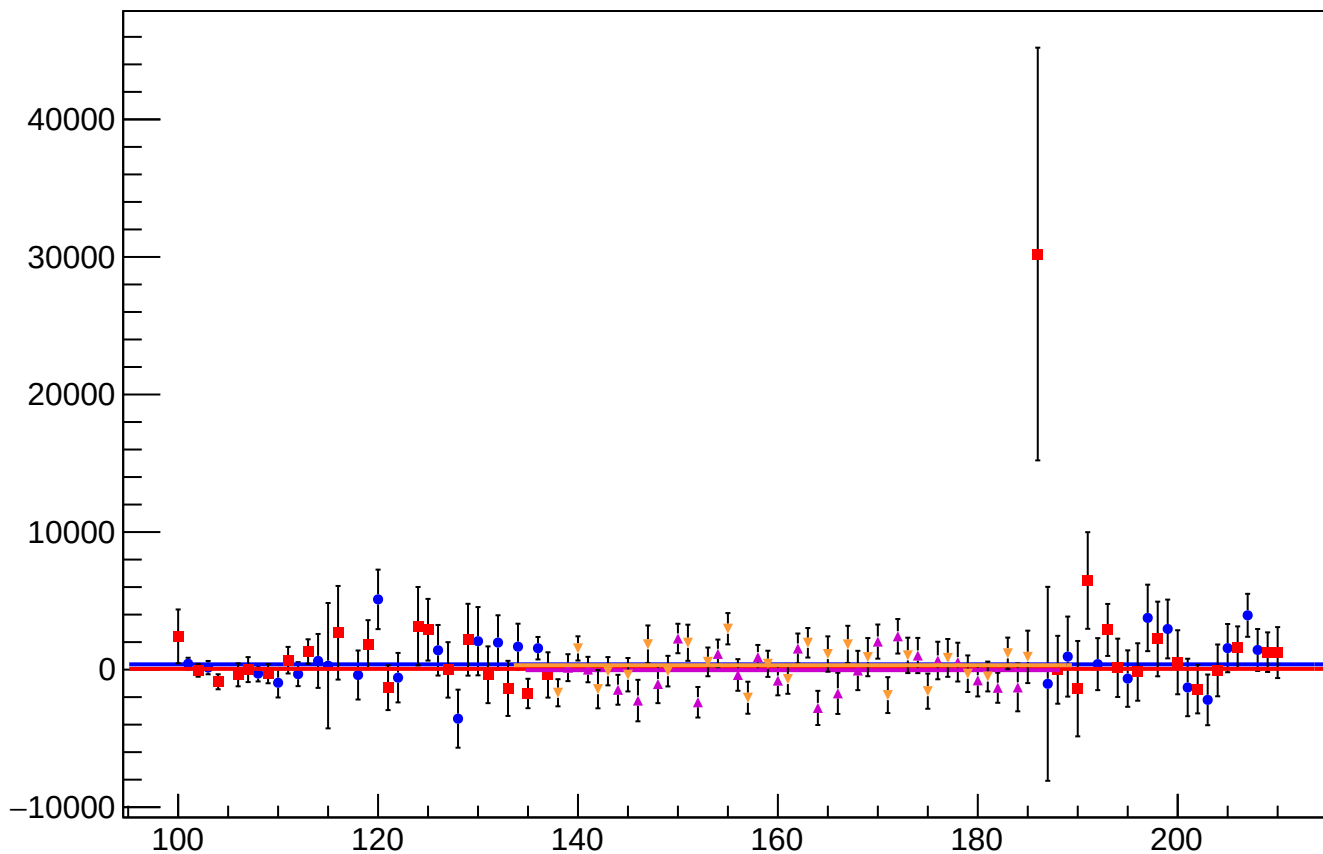
Left In: 160.874+/-0.027 χ^2/NDF : 268330.7/22

+ sign 142.218+/-0.017 χ^2/NDF : 3786479.2/51

All: 141.784+/-0.012 χ^2/NDF : 9189009.6/107

- sign 141.360+/-0.017 χ^2/NDF : 5401307.7/55

asym_sam6_cor_correction_mean vs Slug



Right In: 382.715+/-215.504 χ^2/NDF : 29.2/26

Left Out: 319.953+/-235.084 χ^2/NDF : 32.5/24

Right Out: 53.290+/-214.895 χ^2/NDF : 30.0/32

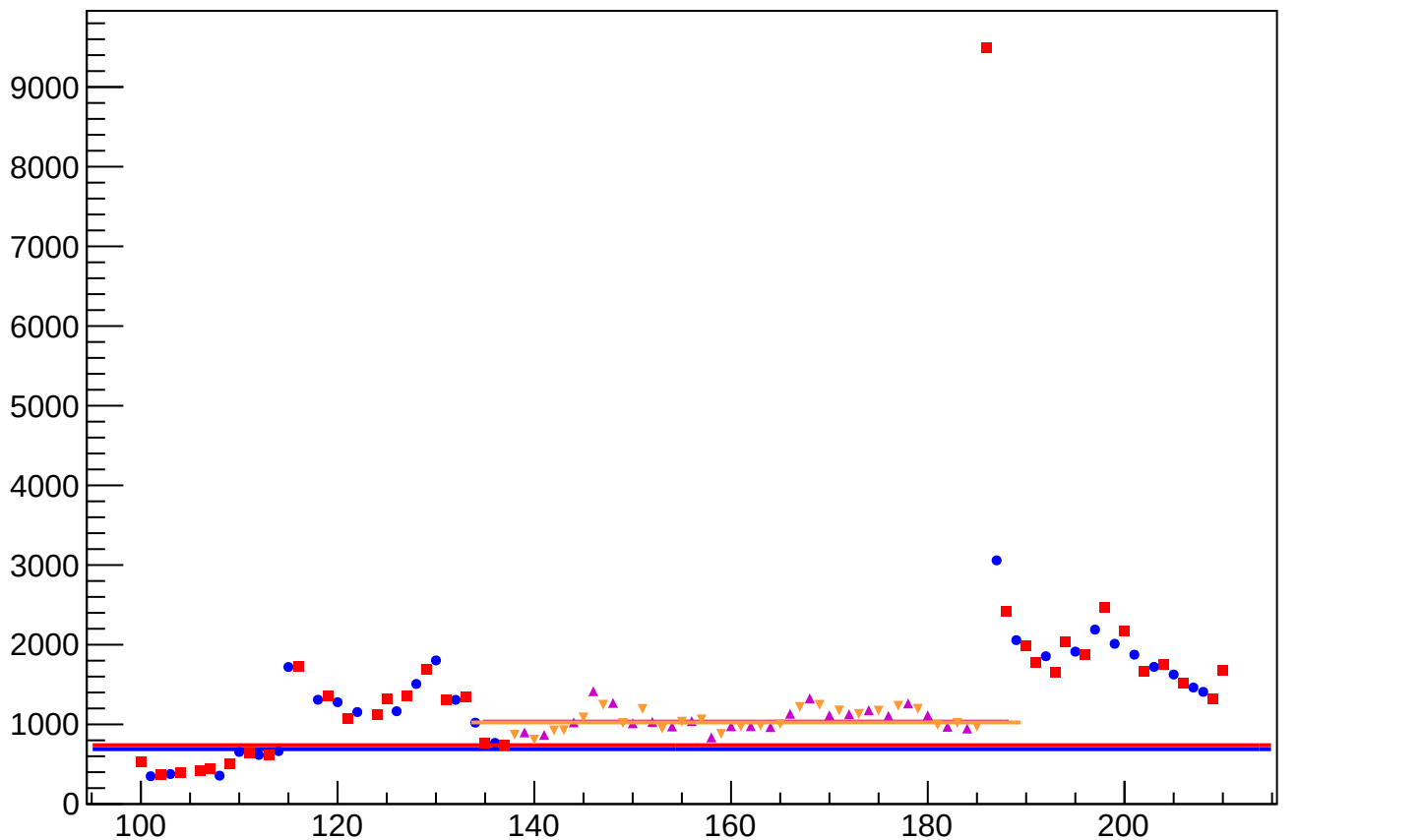
Left In: -39.198+/-244.156 χ^2/NDF : 34.8/22

+ sign 354.056+/-158.856 χ^2/NDF : 61.7/51

All: 186.104+/-113.187 χ^2/NDF : 128.8/107

- sign 12.918+/-161.312 χ^2/NDF : 64.8/55

asym_sam6_cor_correction_rms vs Slug



Right In: 688.948+/-0.152 χ^2/NDF : 10976358.7/26

Left Out: 1024.493+/-0.166 χ^2/NDF : 597629.0/24

Right Out: 738.890+/-0.152 χ^2/NDF : 12193176.5/32

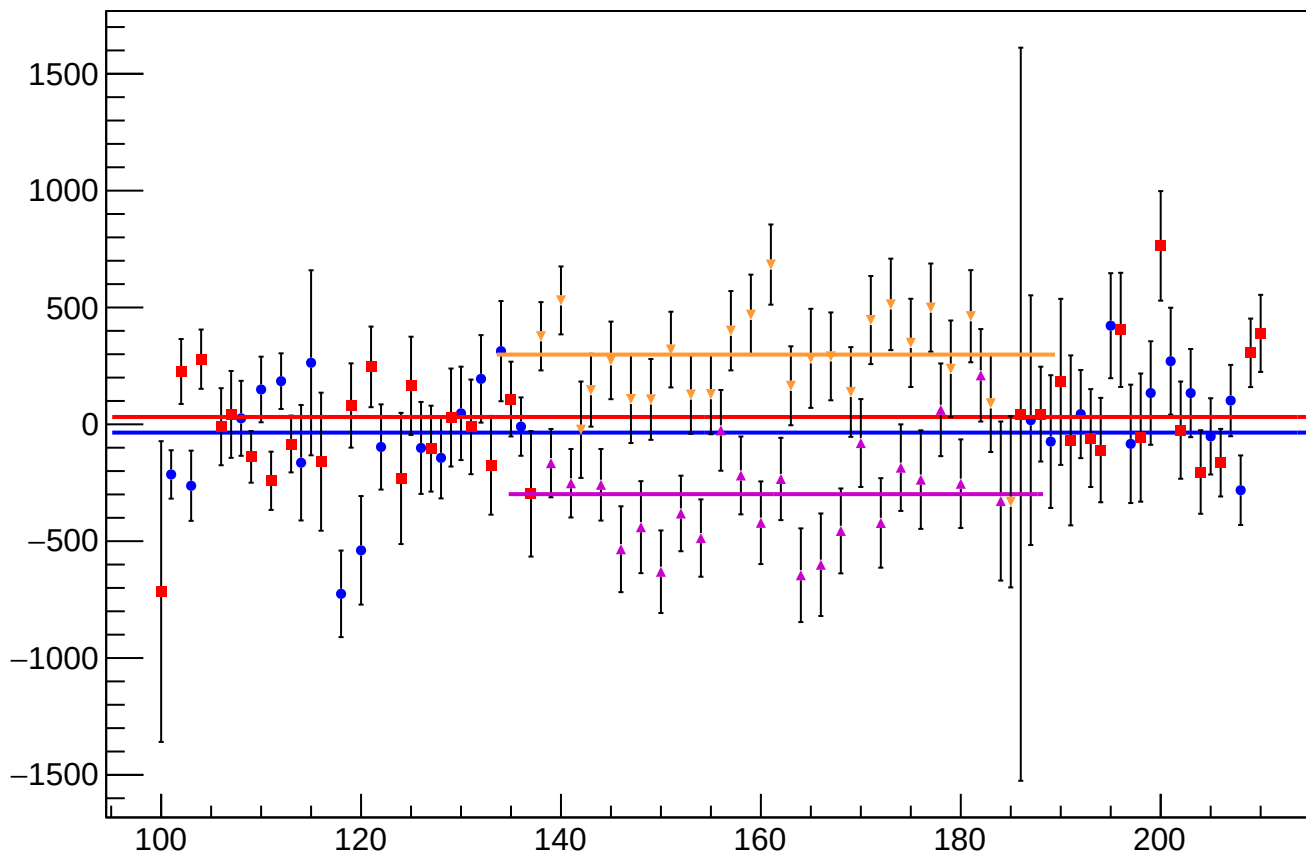
Left In: 1034.428+/-0.173 χ^2/NDF : 628474.5/22

+ sign 842.167+/-0.112 χ^2/NDF : 13788017.9/51

All: 854.834+/-0.080 χ^2/NDF : 28286717.9/10

- sign 867.896+/-0.114 χ^2/NDF : 14472870.1/55

eigen_cor_asym_sam6_mean vs Slug



Right In: -35.363 ± 33.916 $\chi^2/\text{NDF}: 46.1/26$

Left Out: 298.518 ± 36.051 $\chi^2/\text{NDF}: 26.0/24$

Right Out: 31.516 ± 32.002 $\chi^2/\text{NDF}: 46.8/32$

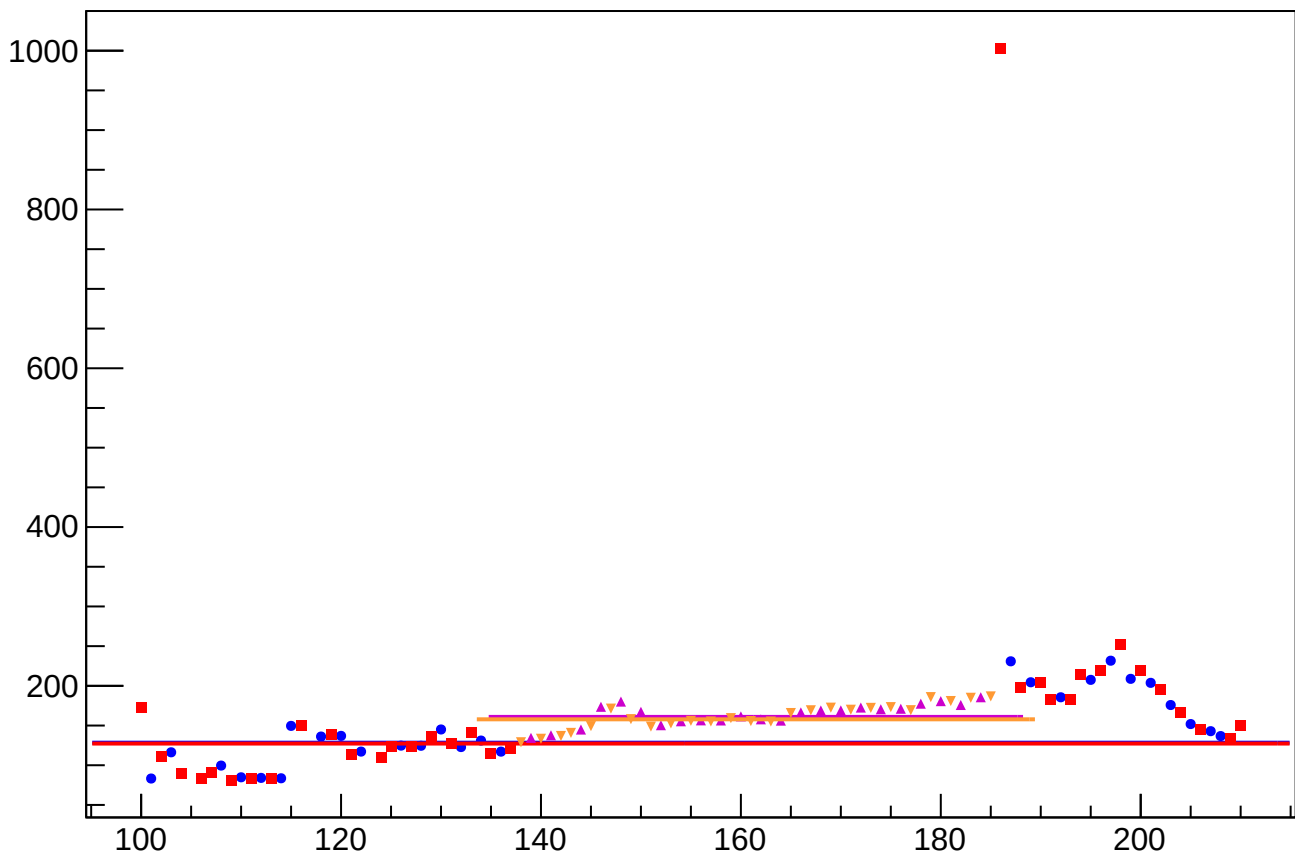
Left In: -298.682 ± 37.727 $\chi^2/\text{NDF}: 29.4/22$

+ sign 121.399 ± 24.702 $\chi^2/\text{NDF}: 117.6/51$

All: 5.989 ± 17.361 $\chi^2/\text{NDF}: 281.4/107$

- sign -106.658 ± 24.405 $\chi^2/\text{NDF}: 120.7/55$

eigen_cor_asym_sam6_rms vs Slug



Right In: 128.396+/-0.024 χ^2/NDF : 2701697.8/26

Left Out: 157.836+/-0.025 χ^2/NDF : 377205.2/24

Right Out: 127.318+/-0.023 χ^2/NDF : 4212827.9/32

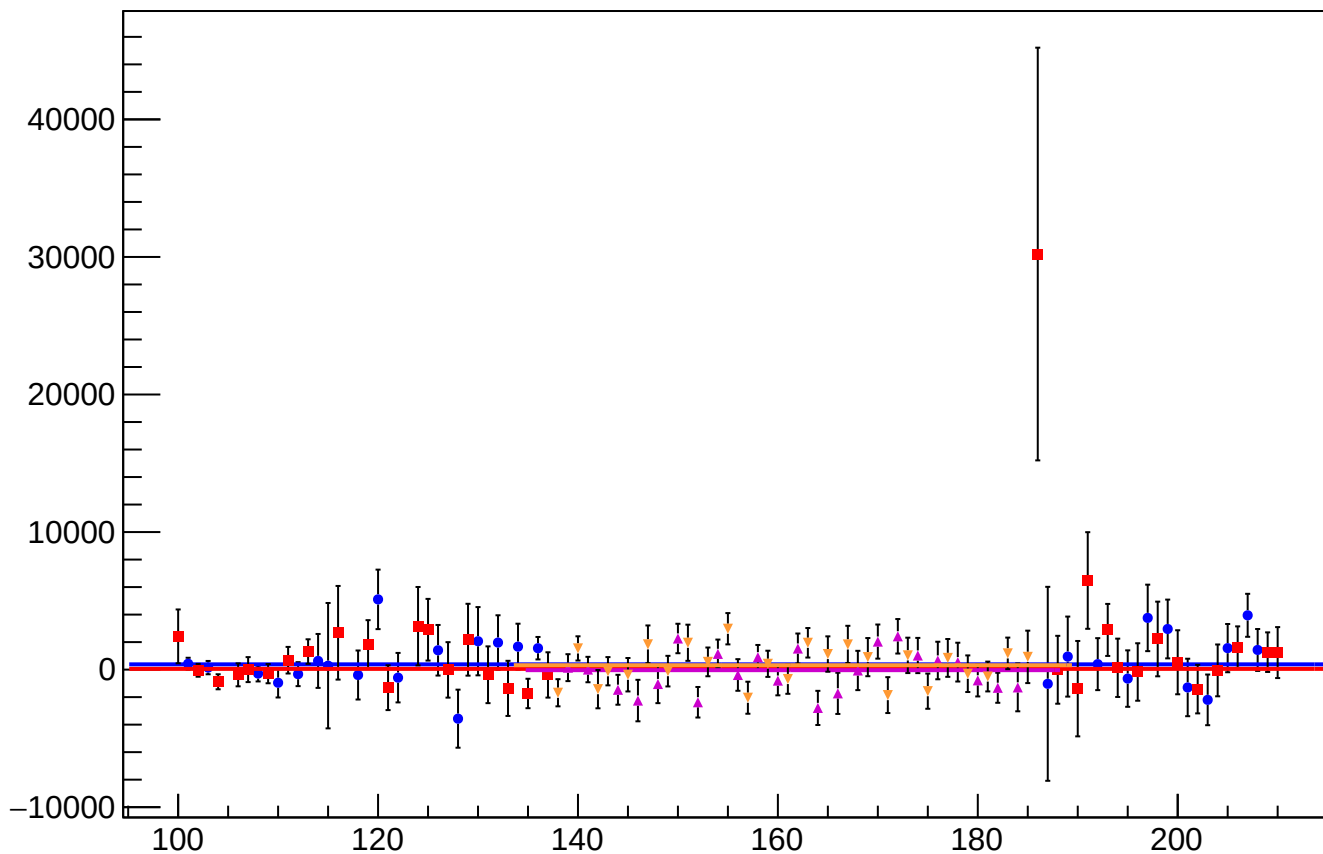
Left In: 160.874+/-0.027 χ^2/NDF : 268330.7/22

+ sign 142.218+/-0.017 χ^2/NDF : 3786479.2/51

All: 141.784+/-0.012 χ^2/NDF : 9189009.6/107

- sign 141.360+/-0.017 χ^2/NDF : 5401307.7/55

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 382.715 ± 215.504 χ^2/NDF : 29.2/26

Left Out: 319.953 ± 235.084 χ^2/NDF : 32.5/24

Right Out: 53.290 ± 214.895 χ^2/NDF : 30.0/32

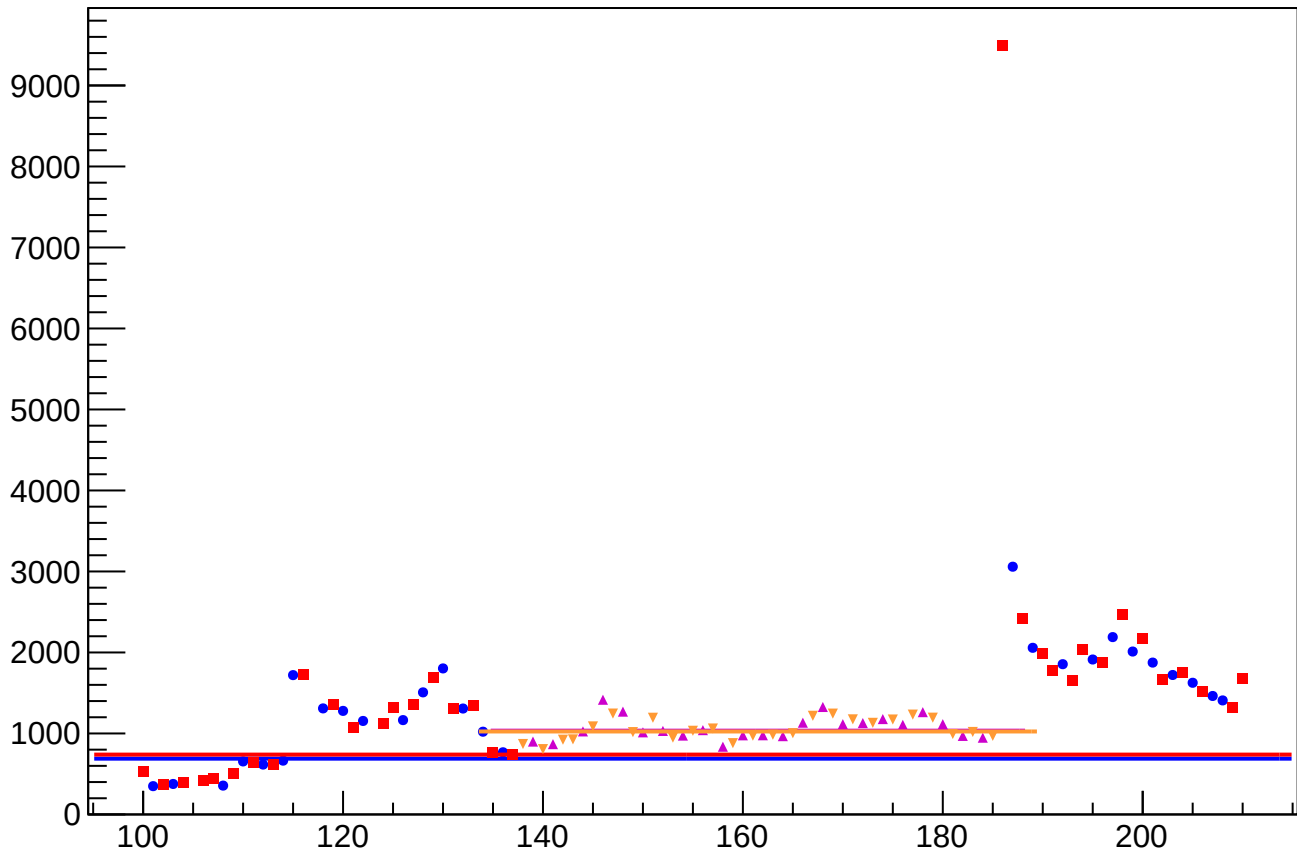
Left In: -39.198 ± 244.156 χ^2/NDF : 34.8/22

+ sign 354.056 ± 158.856 χ^2/NDF : 61.7/51

All: 186.104 ± 113.187 χ^2/NDF : 128.8/107

- sign 12.918 ± 161.312 χ^2/NDF : 64.8/55

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 688.948+/-0.152 χ^2/NDF : 10976358.7/26

Left Out: 1024.493+/-0.166 χ^2/NDF : 597629.0/24

Right Out: 738.890+/-0.152 χ^2/NDF : 12193176.5/32

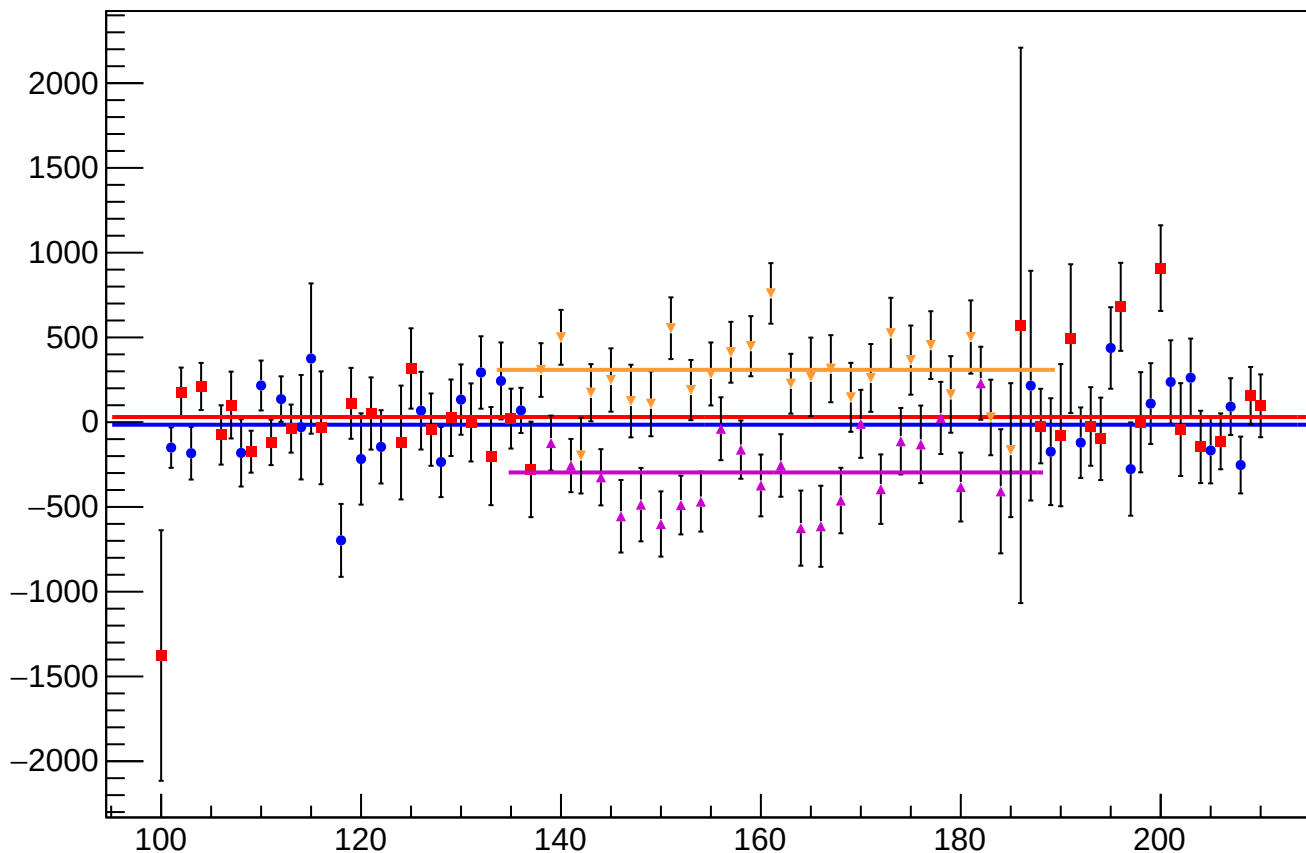
Left In: 1034.428+/-0.173 χ^2/NDF : 628474.5/22

+ sign 842.167+/-0.112 χ^2/NDF : 13788017.9/51

All: 854.834+/-0.080 χ^2/NDF : 28286717.9/10

- sign 867.896+/-0.114 χ^2/NDF : 14472870.1/55

dit_asym_sam6_mean vs Slug



Right In: -14.991 ± 38.043 χ^2/NDF : 35.1/26

Left Out: 309.031 ± 38.901 χ^2/NDF : 25.6/24

Right Out: 30.545 ± 35.971 χ^2/NDF : 37.1/32

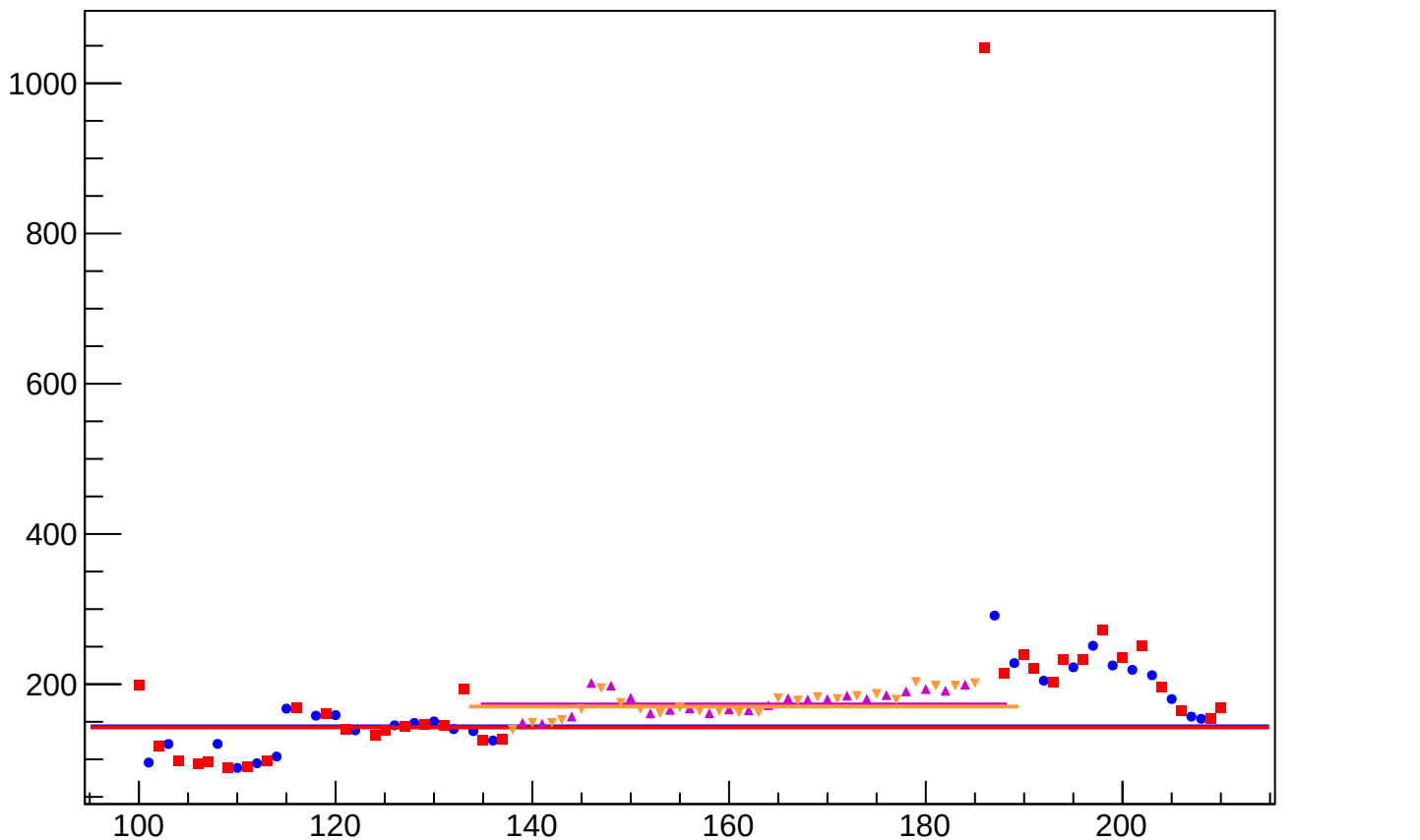
Left In: -296.497 ± 40.607 χ^2/NDF : 27.8/22

+ sign 143.408 ± 27.199 χ^2/NDF : 96.1/51

All: 13.785 ± 19.135 χ^2/NDF : 242.3/107

- sign -113.253 ± 26.926 χ^2/NDF : 101.3/55

dit_asym_sam6_rms vs Slug



Right In: 143.841 $\pm$ 0.027 χ^2 /NDF: 2659362.2/26

Left Out: 170.240 $\pm$ 0.028 χ^2 /NDF: 366302.5/24

Right Out: 142.558 $\pm$ 0.025 χ^2 /NDF: 4382262.7/32

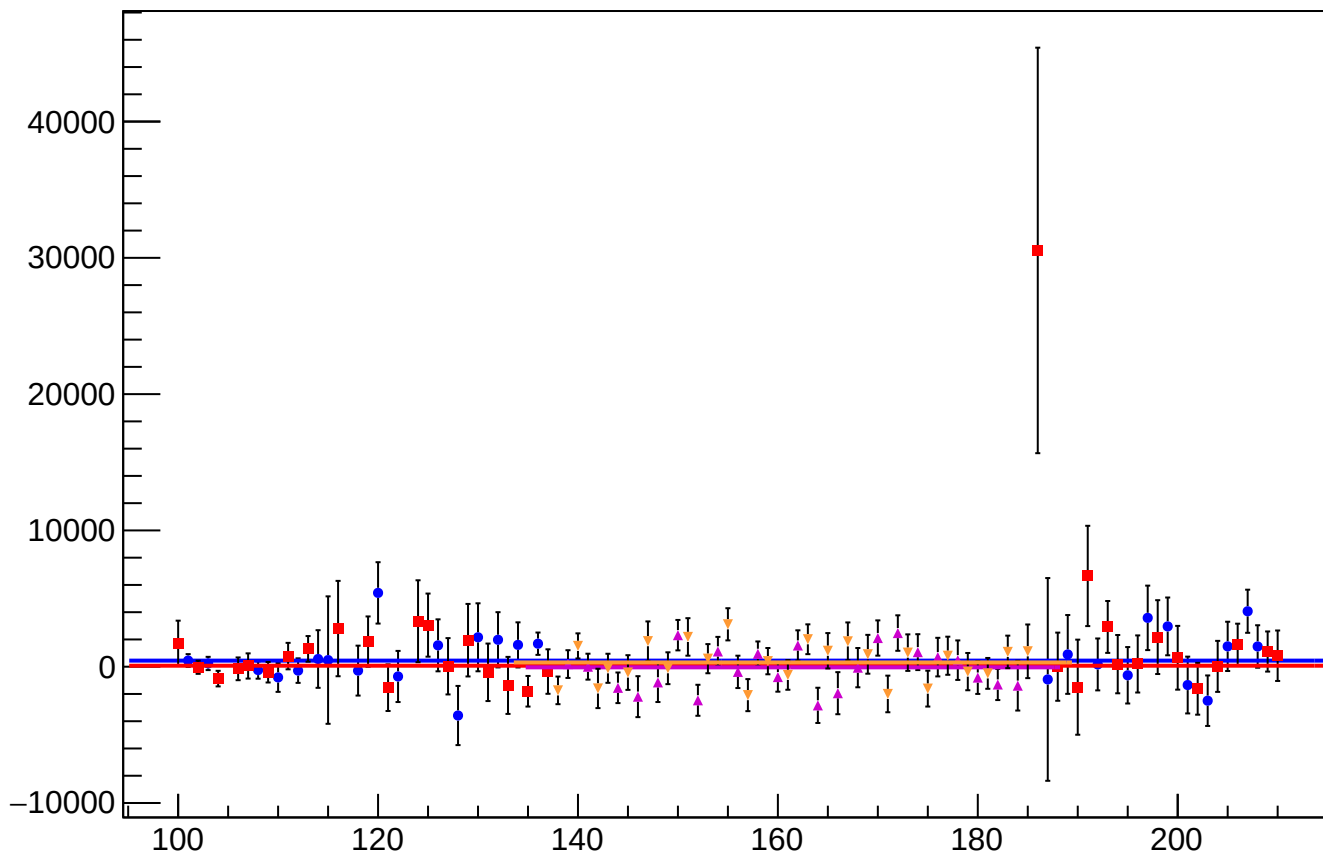
Left In: 173.024 $\pm$ 0.029 χ^2 /NDF: 293702.8/22

+ sign 156.747 $\pm$ 0.019 χ^2 /NDF: 3496470.0/51

All: 156.346 $\pm$ 0.014 χ^2 /NDF: 8804066.2/107

- sign 155.954 $\pm$ 0.019 χ^2 /NDF: 5306738.0/55

asym_sam6_dit_correction_mean vs Slug



Right In: 446.372 ± 224.571 χ^2/NDF : 29.2/26

Left Out: 313.641 ± 242.402 χ^2/NDF : 32.9/24

Right Out: 73.178 ± 221.470 χ^2/NDF : 28.6/32

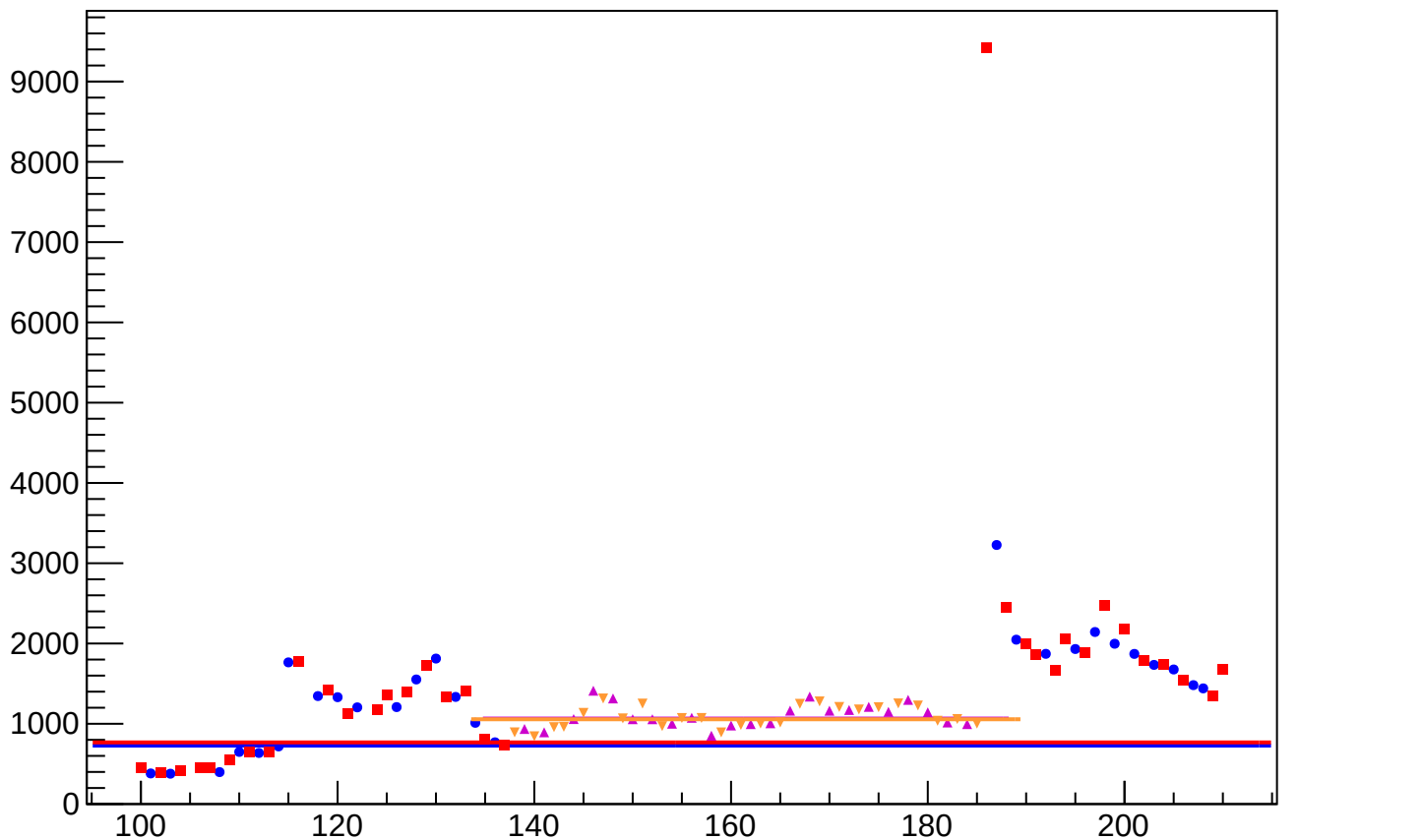
Left In: -47.231 ± 251.252 χ^2/NDF : 34.4/22

+ sign 385.067 ± 164.739 χ^2/NDF : 62.3/51

All: 204.341 ± 116.980 χ^2/NDF : 127.8/107

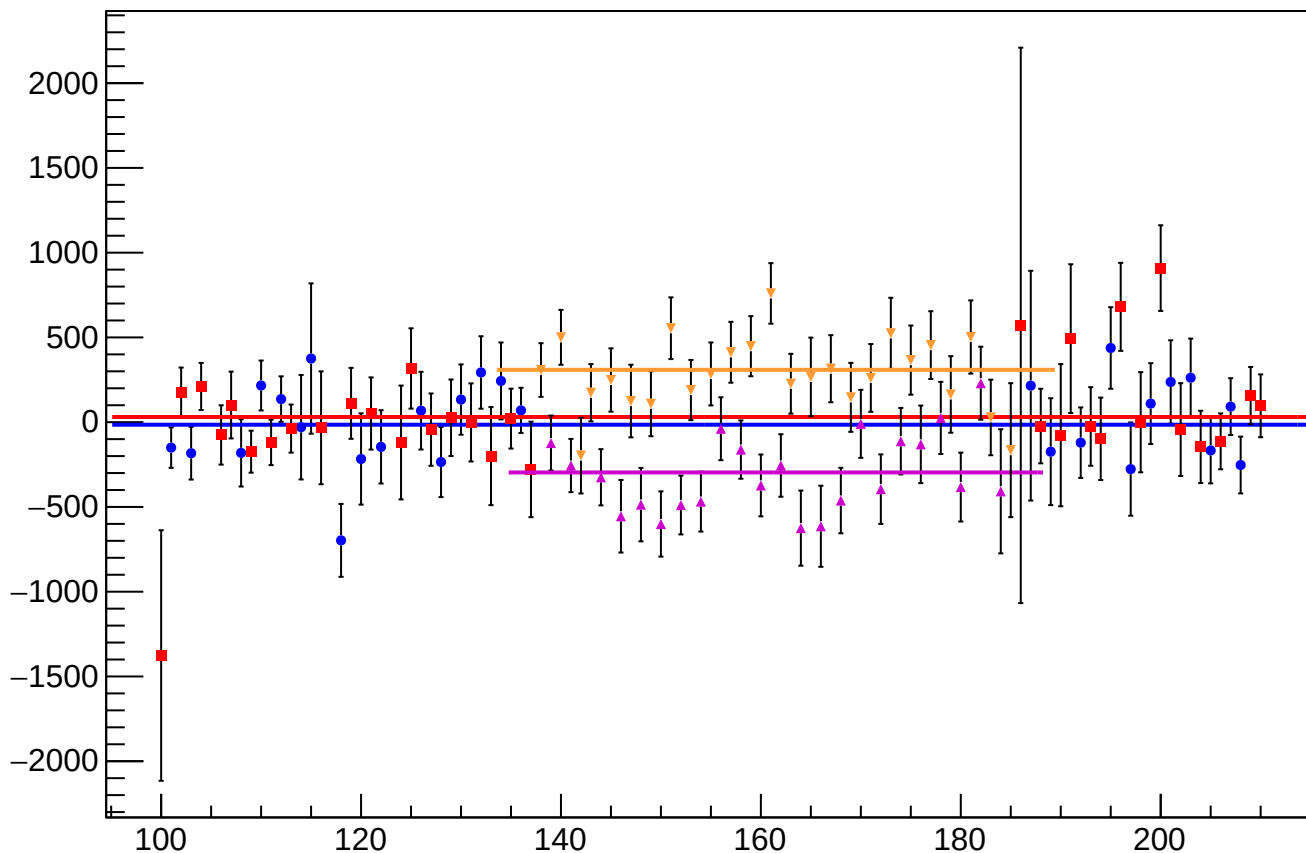
- sign 20.529 ± 166.139 χ^2/NDF : 63.1/55

asym_sam6_dit_correction_rms vs Slug



Right In: 728.434 $\pm$ 0.159 χ^2 /NDF: 10409901.0/26 + sign 879.879 $\pm$ 0.116 χ^2 /NDF: 12989904.9/51
 Left Out: 1056.328 $\pm$ 0.171 χ^2 /NDF: 610710.4/24 All: 888.663 $\pm$ 0.083 χ^2 /NDF: 27139740.7/10
 Right Out: 767.768 $\pm$ 0.157 χ^2 /NDF: 11955434.7/32 - sign 897.597 $\pm$ 0.117 χ^2 /NDF: 14138366.2/55
 Left In: 1064.691 $\pm$ 0.178 χ^2 /NDF: 611055.8/22

eigen_dit_asym_sam6_mean vs Slug



Right In: -14.993 ± 38.043 χ^2/NDF : 35.1/26

Left Out: 309.032 ± 38.901 χ^2/NDF : 25.6/24

Right Out: 30.544 ± 35.971 χ^2/NDF : 37.1/32

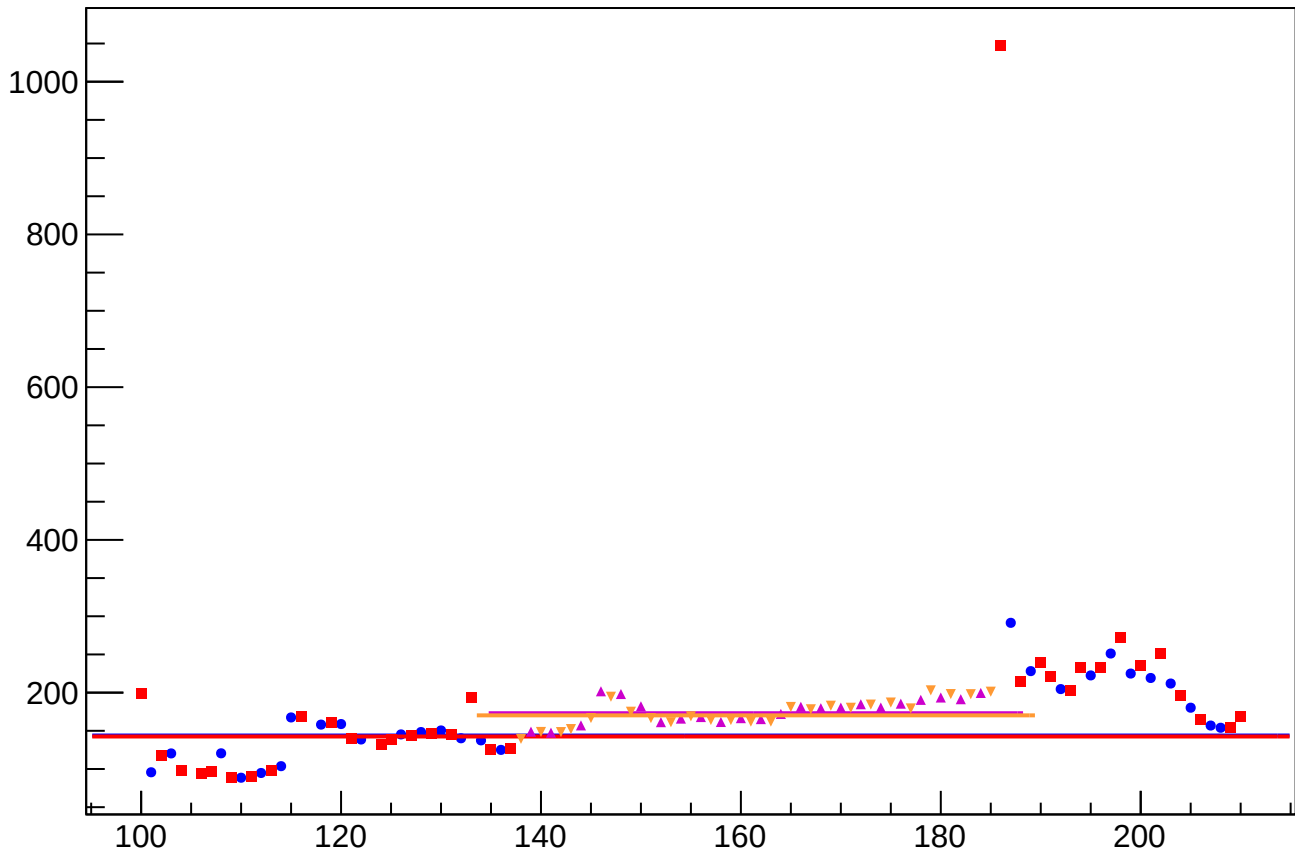
Left In: -296.497 ± 40.607 χ^2/NDF : 27.8/22

+ sign 143.408 ± 27.199 χ^2/NDF : 96.1/51

All: 13.785 ± 19.135 χ^2/NDF : 242.3/107

- sign -113.254 ± 26.926 χ^2/NDF : 101.3/55

eigen_dit_asym_sam6_rms vs Slug



Right In: 143.841 $\pm$ 0.027 χ^2 /NDF: 2659380.4/26

Left Out: 170.240 $\pm$ 0.028 χ^2 /NDF: 366303.1/24

Right Out: 142.558 $\pm$ 0.025 χ^2 /NDF: 4382269.5/32

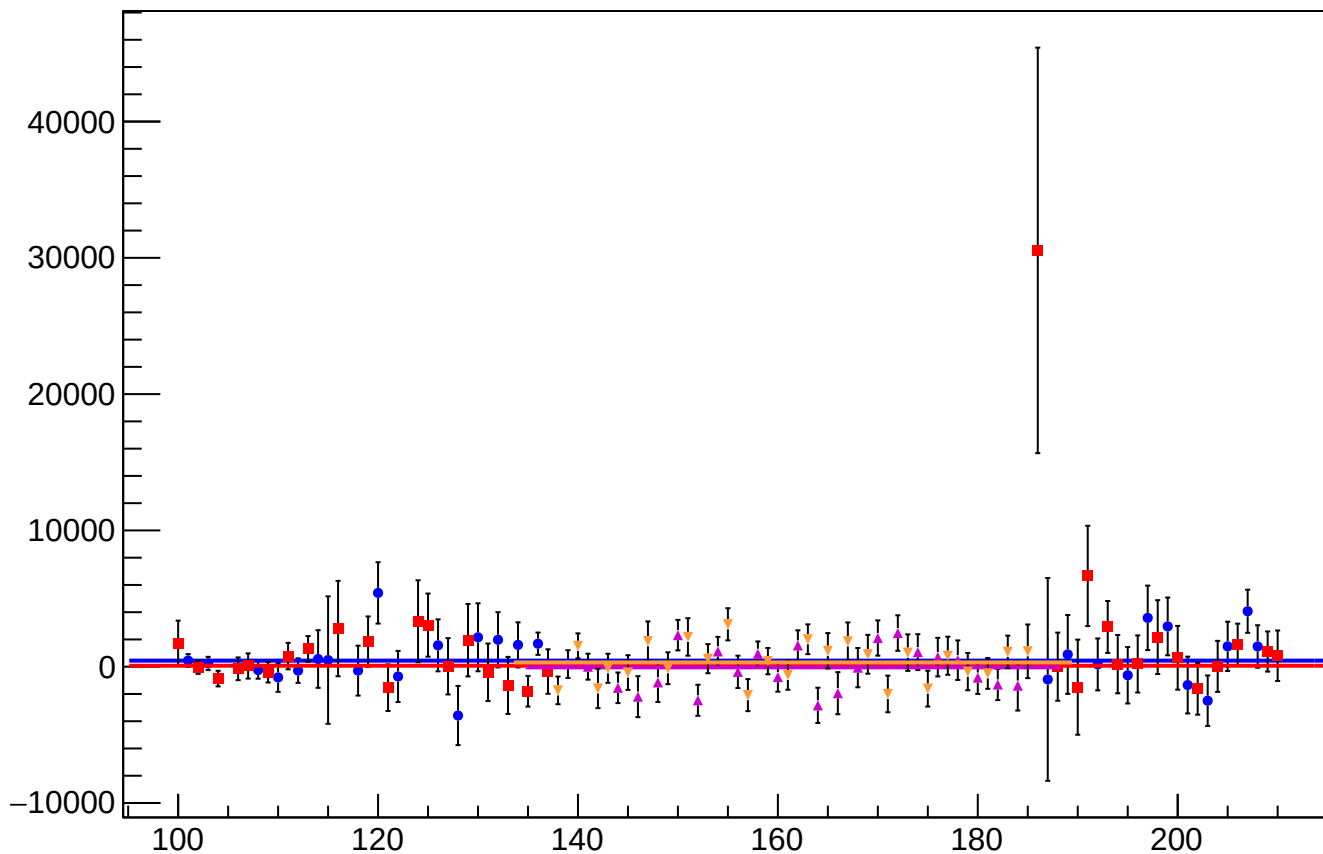
Left In: 173.023 $\pm$ 0.029 χ^2 /NDF: 293703.4/22

+ sign 156.746 $\pm$ 0.019 χ^2 /NDF: 3496492.3/51

All: 156.346 $\pm$ 0.014 χ^2 /NDF: 8804099.1/107

- sign 155.953 $\pm$ 0.019 χ^2 /NDF: 5306748.6/55

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 446.371 $\pm$ 224.570 χ^2 /NDF: 29.2/26

Left Out: 313.641 $\pm$ 242.402 χ^2 /NDF:32.9/24

Right Out: 73.177 $\pm$ 221.470 χ^2 /NDF: 28.6/32

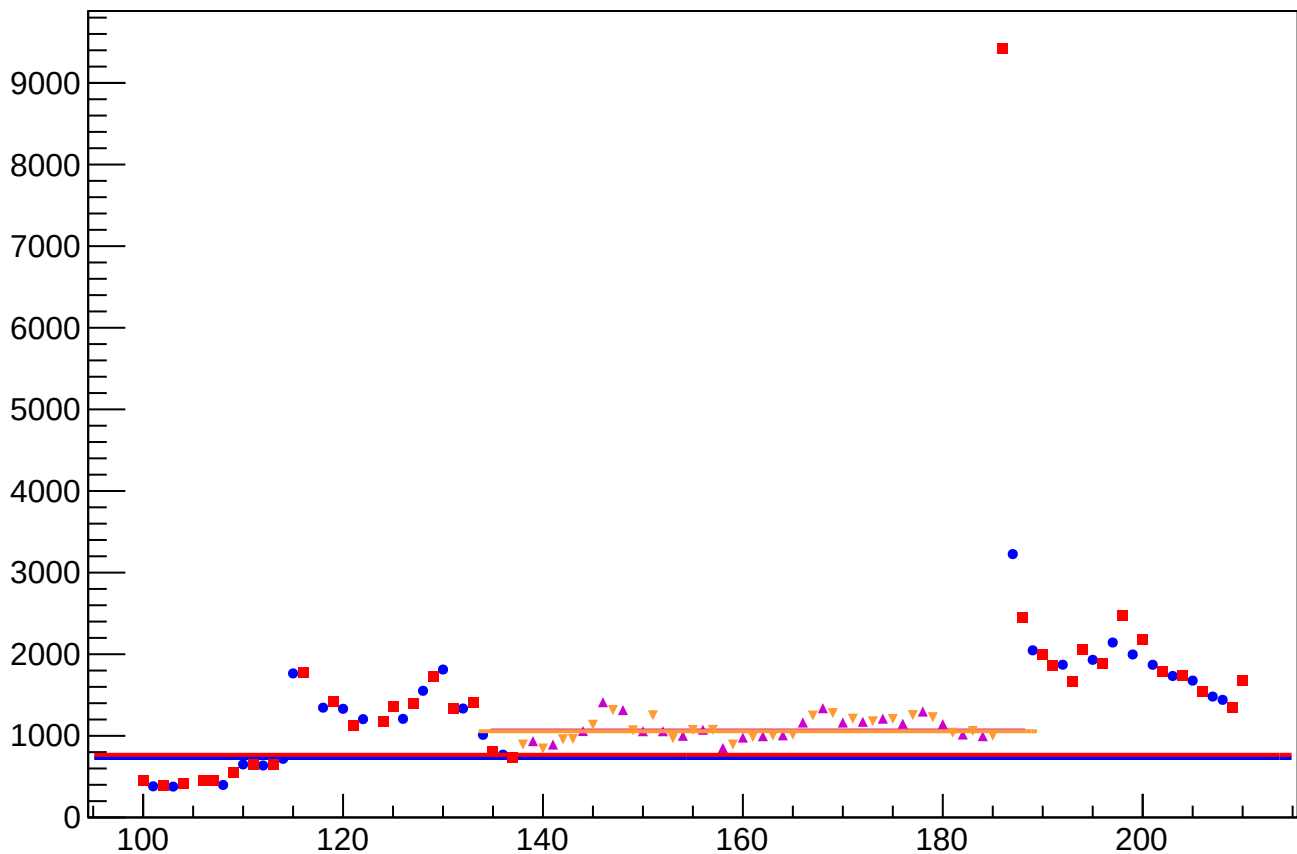
Left In: -47.231 $\pm$ 251.252 χ^2 /NDF:34.4/22

+ sign 385.067 $\pm$ 164.739 χ^2 /NDF: 62.3/51

All: 204.341 $\pm$ 116.980 χ^2 /NDF: 127.8/107

- sign 20.529 $\pm$ 166.139 χ^2 /NDF: 63.1/55

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 728.434 $\pm$ 0.159 χ^2 /NDF: 10409912.4/26

Left Out: 1056.328 $\pm$ 0.171 χ^2 /NDF: 610715.5/24

Right Out: 767.767 $\pm$ 0.157 χ^2 /NDF: 11955438.5/32

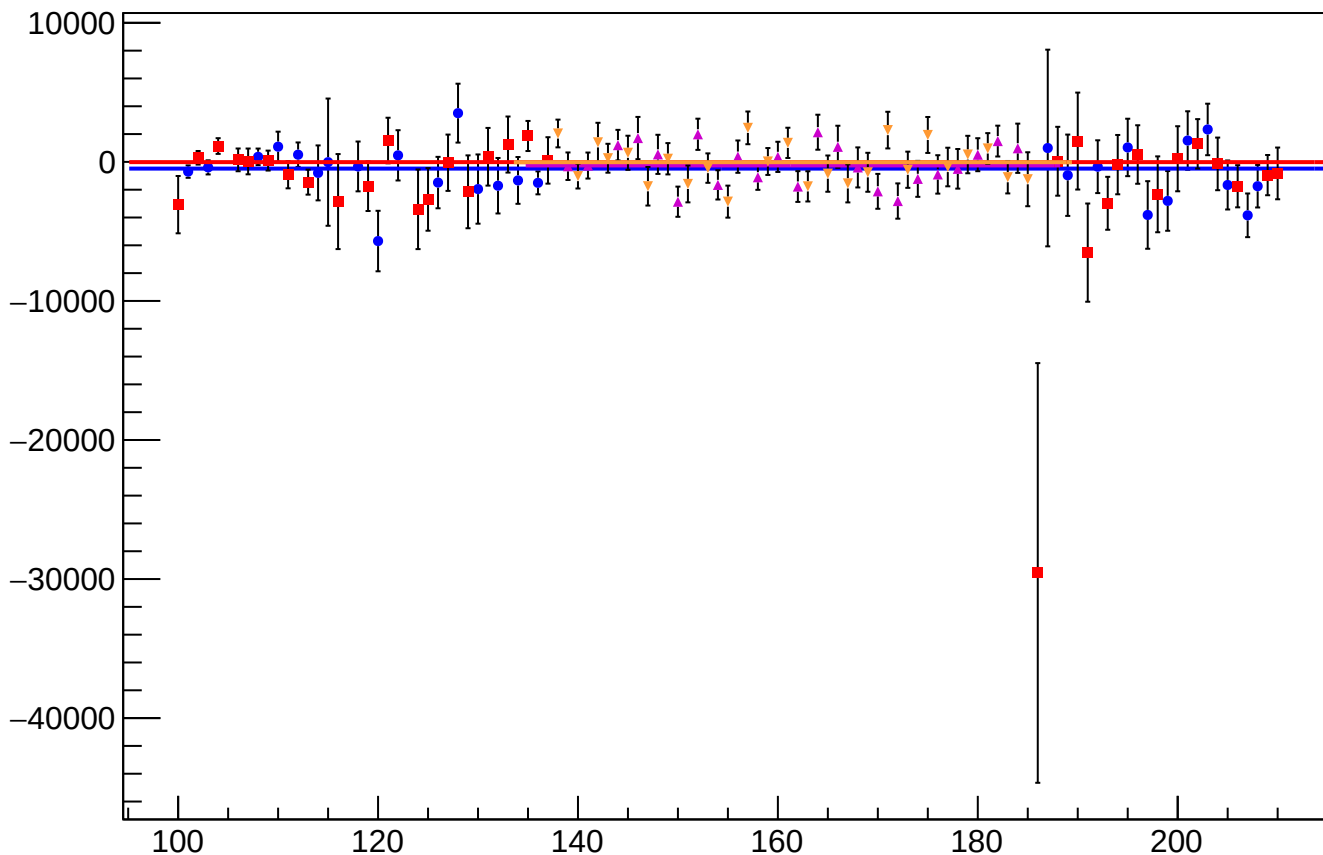
Left In: 1064.691 $\pm$ 0.178 χ^2 /NDF: 611059.3/22

+ sign 879.878 $\pm$ 0.116 χ^2 /NDF: 12989936.4/51

All: 888.662 $\pm$ 0.083 χ^2 /NDF: 27139787.6/10

- sign 897.596 $\pm$ 0.117 χ^2 /NDF: 14138381.3/55

asym_sam6_mean vs Slug



Right In: -482.759+/-221.231 χ^2/NDF : 30.7/26

Left Out: -21.861+/-237.972 χ^2/NDF :34.5/24

Right Out: -17.364+/-219.350 χ^2/NDF : 32.9/32

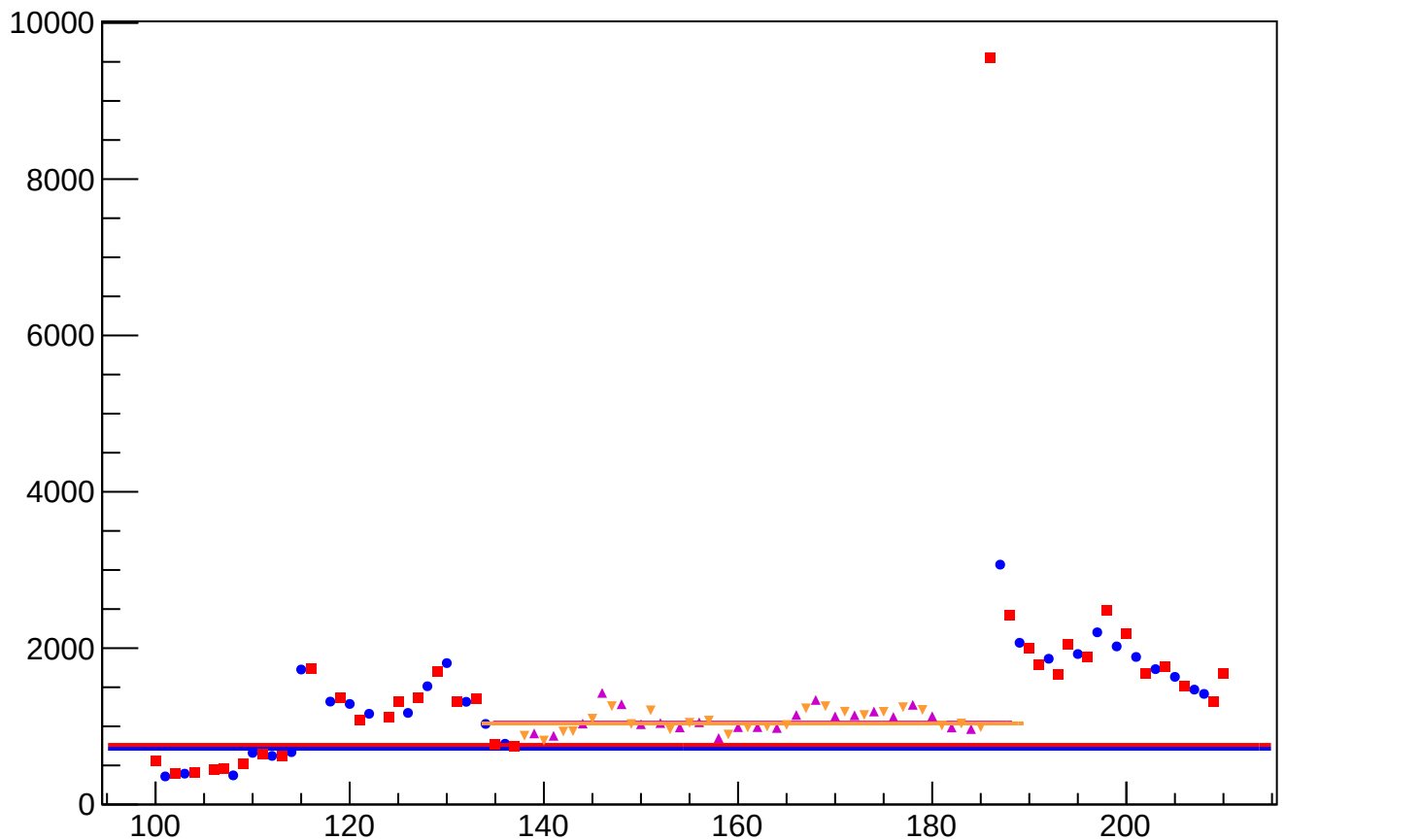
Left In: -255.399+/-247.203 χ^2/NDF :33.6/22

+ sign -269.091+/-162.029 χ^2/NDF : 67.2/51

All: -196.576+/-115.287 χ^2/NDF : 134.6/107

- sign -122.222+/-164.071 χ^2/NDF : 66.9/55

asym_sam6_rms vs Slug



Right In: 713.754+/-0.156 χ^2/NDF : 10594564.8/26

Left Out: 1037.324+/-0.168 χ^2/NDF : 585511.9/24

Right Out: 762.539+/-0.155 χ^2/NDF : 11790915.7/32

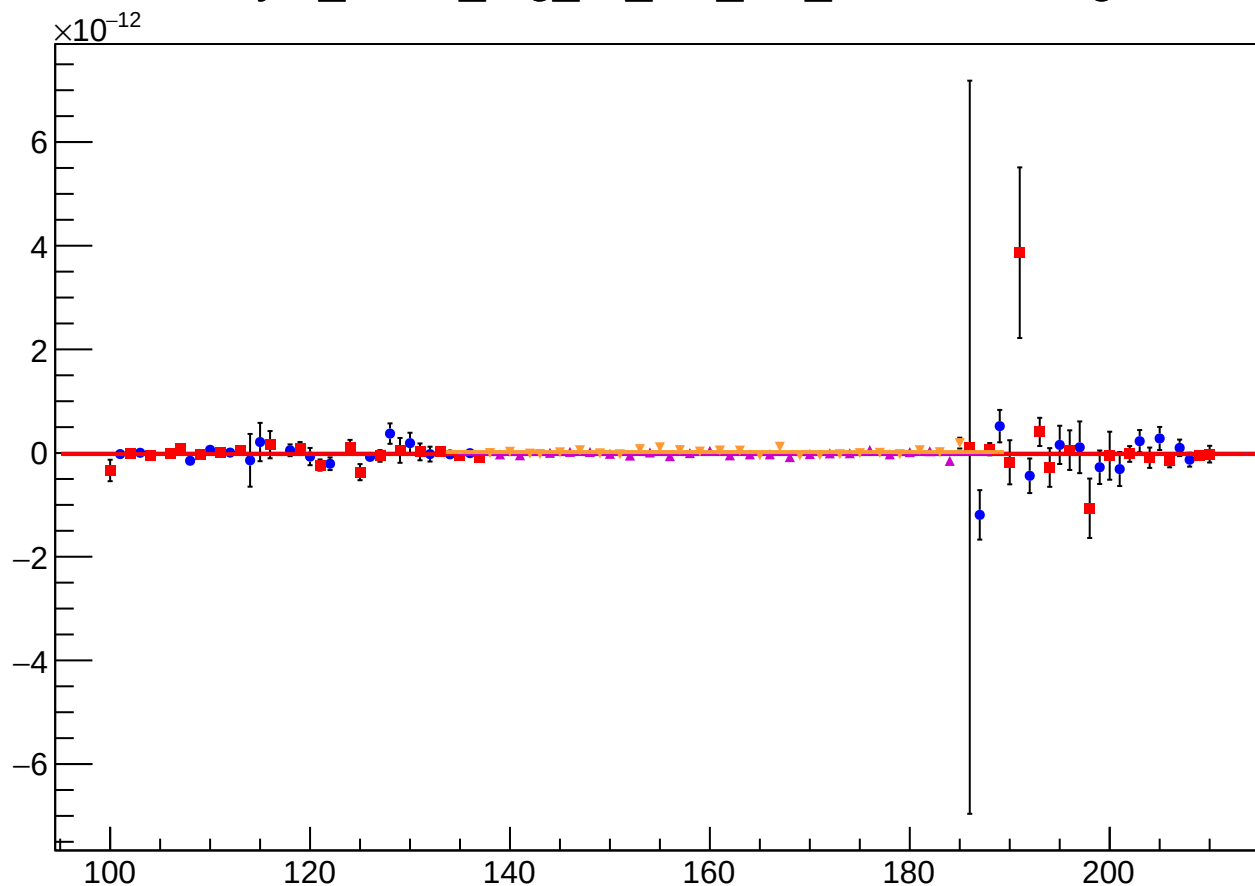
Left In: 1047.629+/-0.175 χ^2/NDF : 613357.0/22

+ sign 863.758+/-0.115 χ^2/NDF : 13163485.4/51

All: 875.789+/-0.082 χ^2/NDF : 27078350.3/10

- sign 888.125+/-0.116 χ^2/NDF : 13892532.8/55

asym_sam6_reg_vs_cor_diff_mean vs Slug

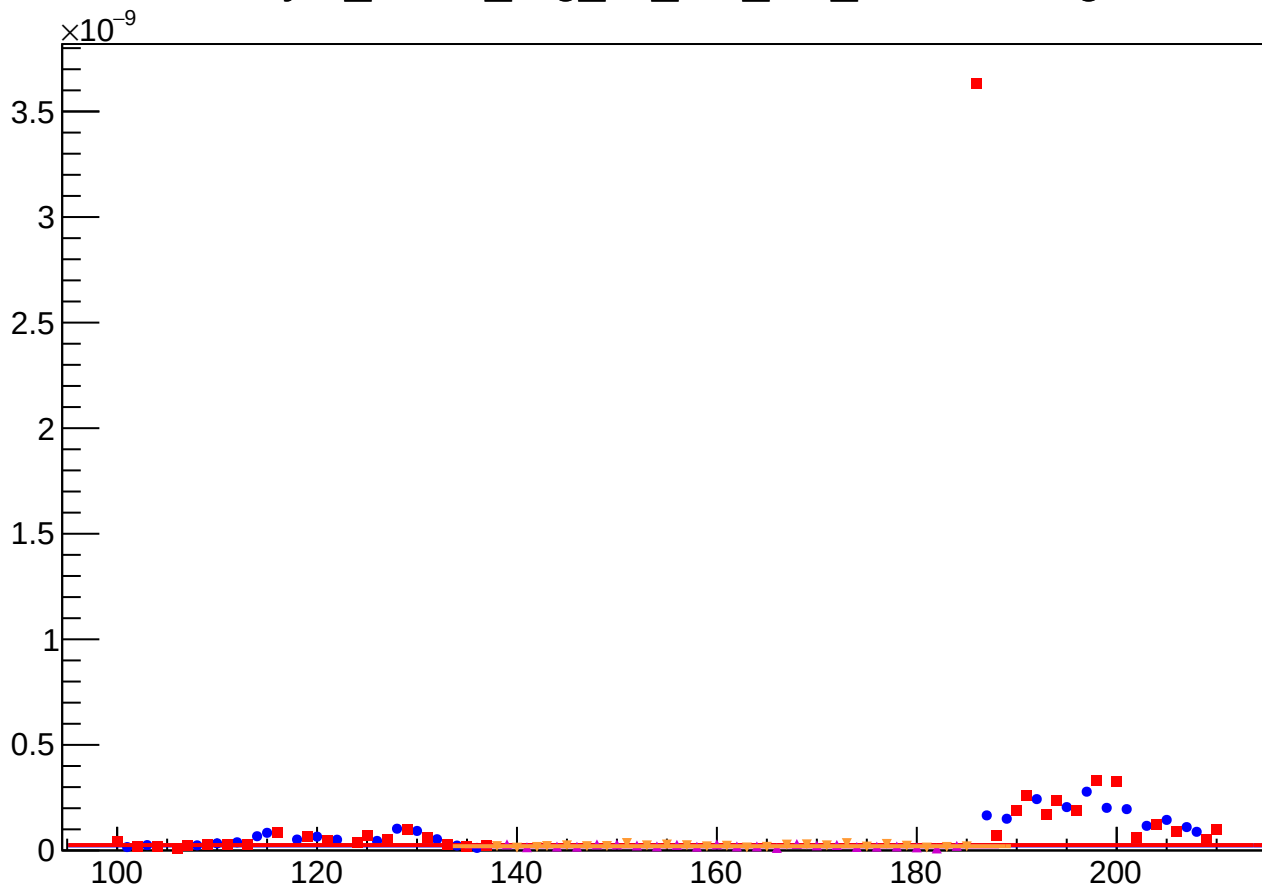


+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 67.3/51$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 125.0/107$

- sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 52.9/55$

asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7714842.9/26

Left Out: 0.000+/-0.000 χ^2/NDF : 993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7879798.6/32

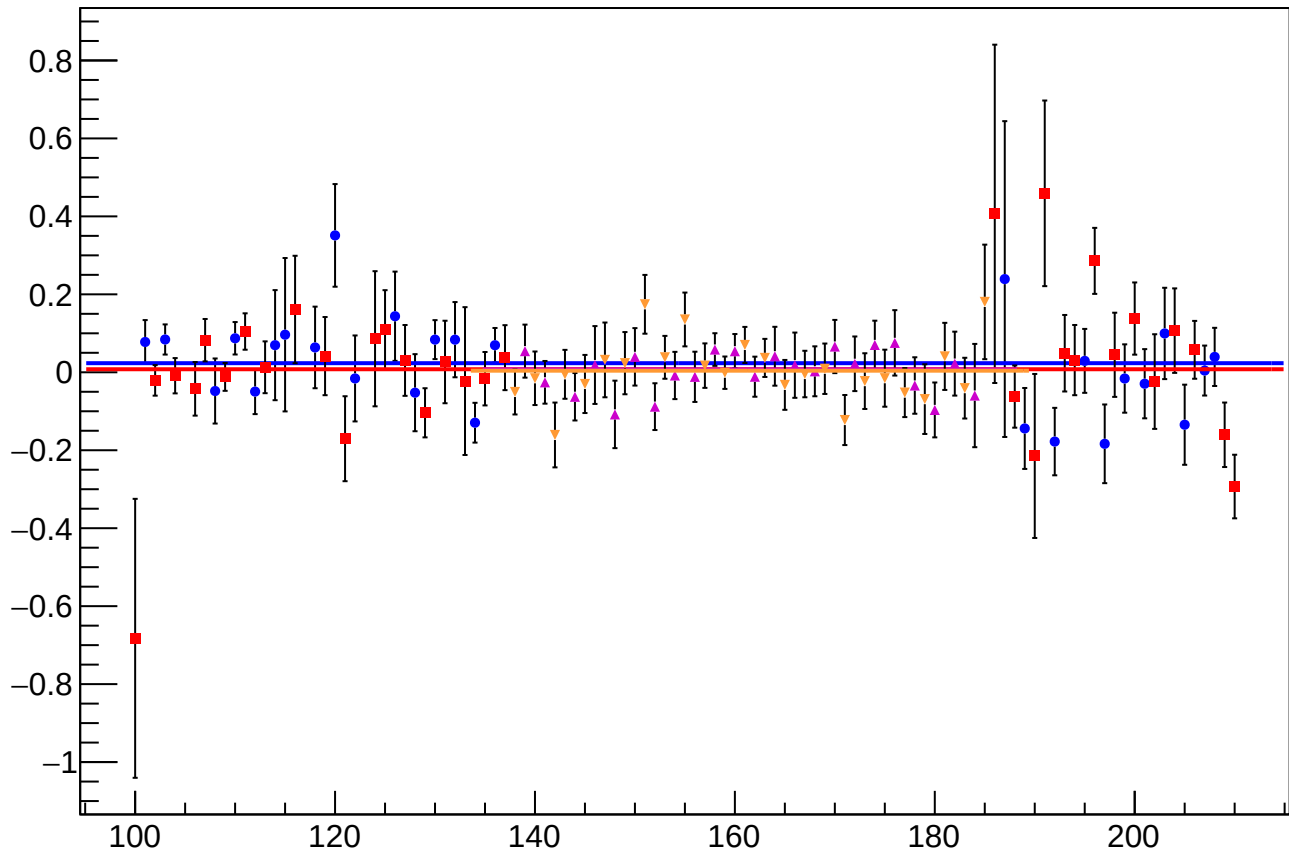
Left In: 0.000+/-0.000 χ^2/NDF : 1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 8825698.5/51

All: 0.000+/-0.000 χ^2/NDF : 18097280.5/107

- sign 0.000+/-0.000 χ^2/NDF : 9269308.5/55

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.014 χ^2 /NDF: 44.4/26

Left Out: 0.004 $\pm$ 0.013 χ^2 /NDF: 24.8/24

Right Out: 0.008 $\pm$ 0.013 χ^2 /NDF: 58.7/32

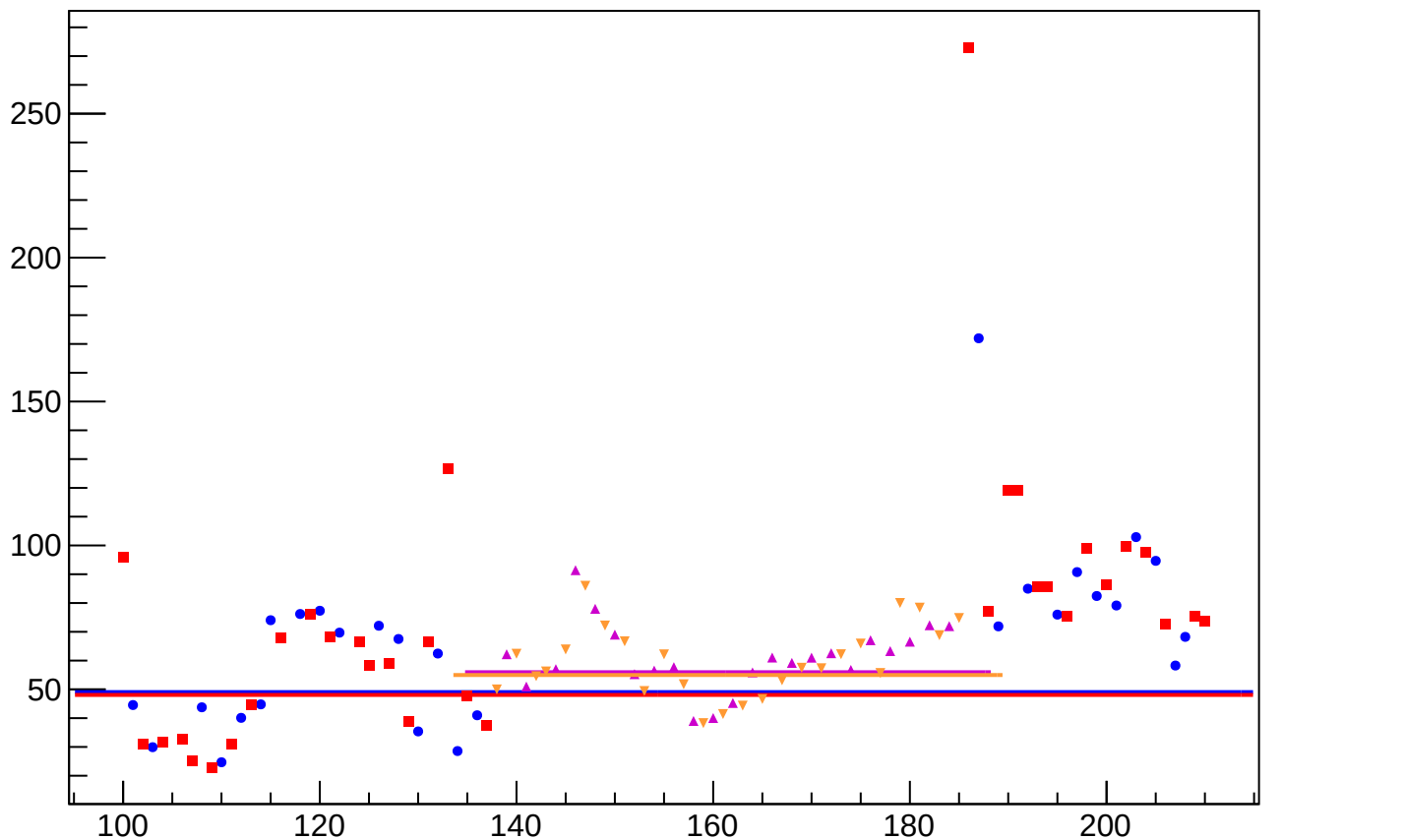
Left In: 0.007 $\pm$ 0.014 χ^2 /NDF: 15.1/22

+ sign 0.013 $\pm$ 0.009 χ^2 /NDF: 70.2/51

All: 0.010 $\pm$ 0.007 χ^2 /NDF: 144.1/107

- sign 0.008 $\pm$ 0.009 χ^2 /NDF: 73.7/55

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 49.052 $\pm$ 0.010 χ^2 /NDF: 4994177.9/26

Left Out: 54.986 $\pm$ 0.009 χ^2 /NDF: 1566844.0/24

Right Out: 48.072 $\pm$ 0.009 χ^2 /NDF: 7486807.3/32

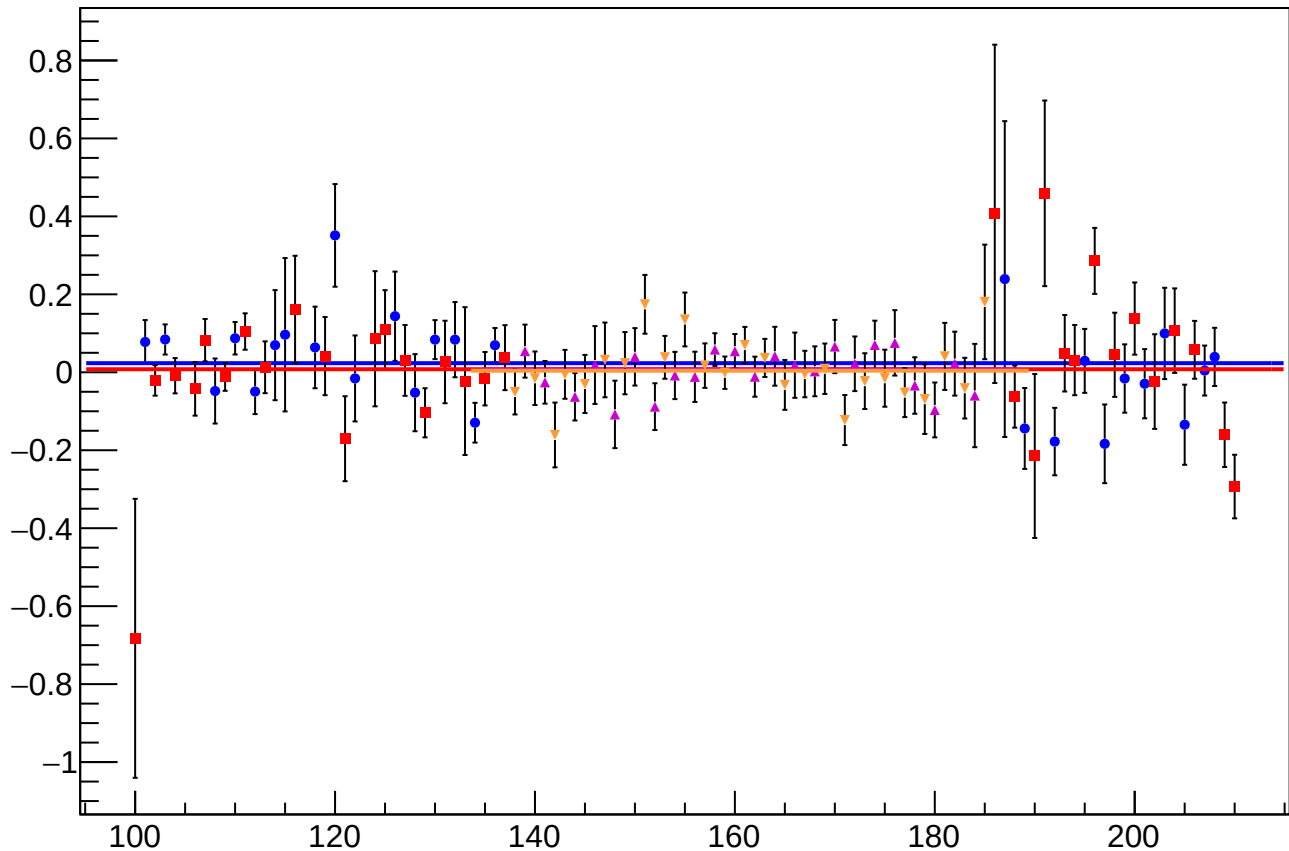
Left In: 55.956 $\pm$ 0.010 χ^2 /NDF: 1406142.1/22

+ sign 52.215 $\pm$ 0.007 χ^2 /NDF: 6757049.8/51

All: 52.059 $\pm$ 0.005 χ^2 /NDF: 16000589.7/107

- sign 51.905 $\pm$ 0.007 χ^2 /NDF: 9242468.7/55

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.014 χ^2 /NDF: 44.4/26

Left Out: 0.004 $\pm$ 0.013 χ^2 /NDF:24.8/24

Right Out: 0.008 $\pm$ 0.013 χ^2 /NDF: 58.7/32

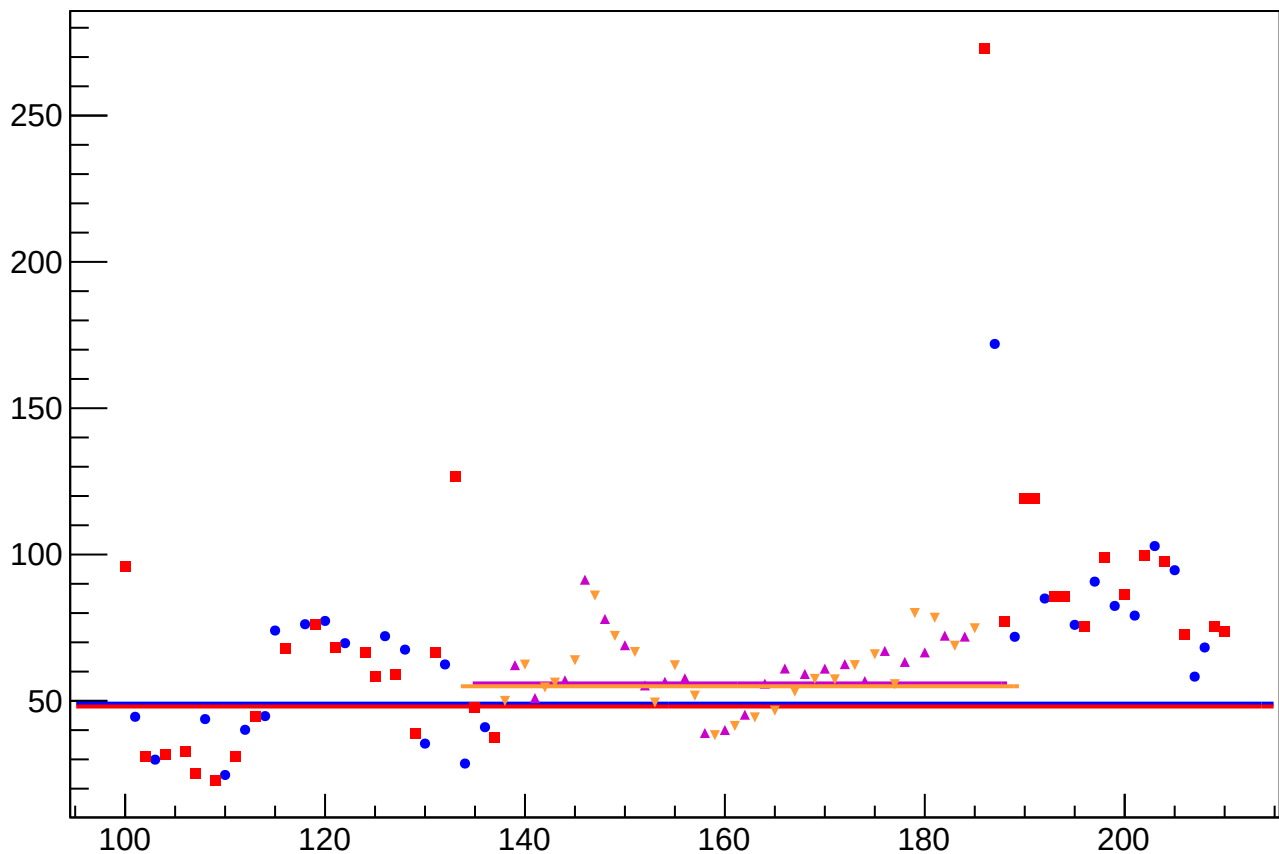
Left In: 0.007 $\pm$ 0.014 χ^2 /NDF:15.1/22

+ sign 0.013 $\pm$ 0.009 χ^2 /NDF: 70.2/51

All: 0.010 $\pm$ 0.007 χ^2 /NDF: 144.1/107

- sign 0.008 $\pm$ 0.009 χ^2 /NDF: 73.7/55

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.052 $\pm$ 0.010 χ^2 /NDF: 4994177.9/26

Left Out: 54.986 $\pm$ 0.009 χ^2 /NDF: 1566844.0/24

Right Out: 48.072 $\pm$ 0.009 χ^2 /NDF: 7486807.3/32

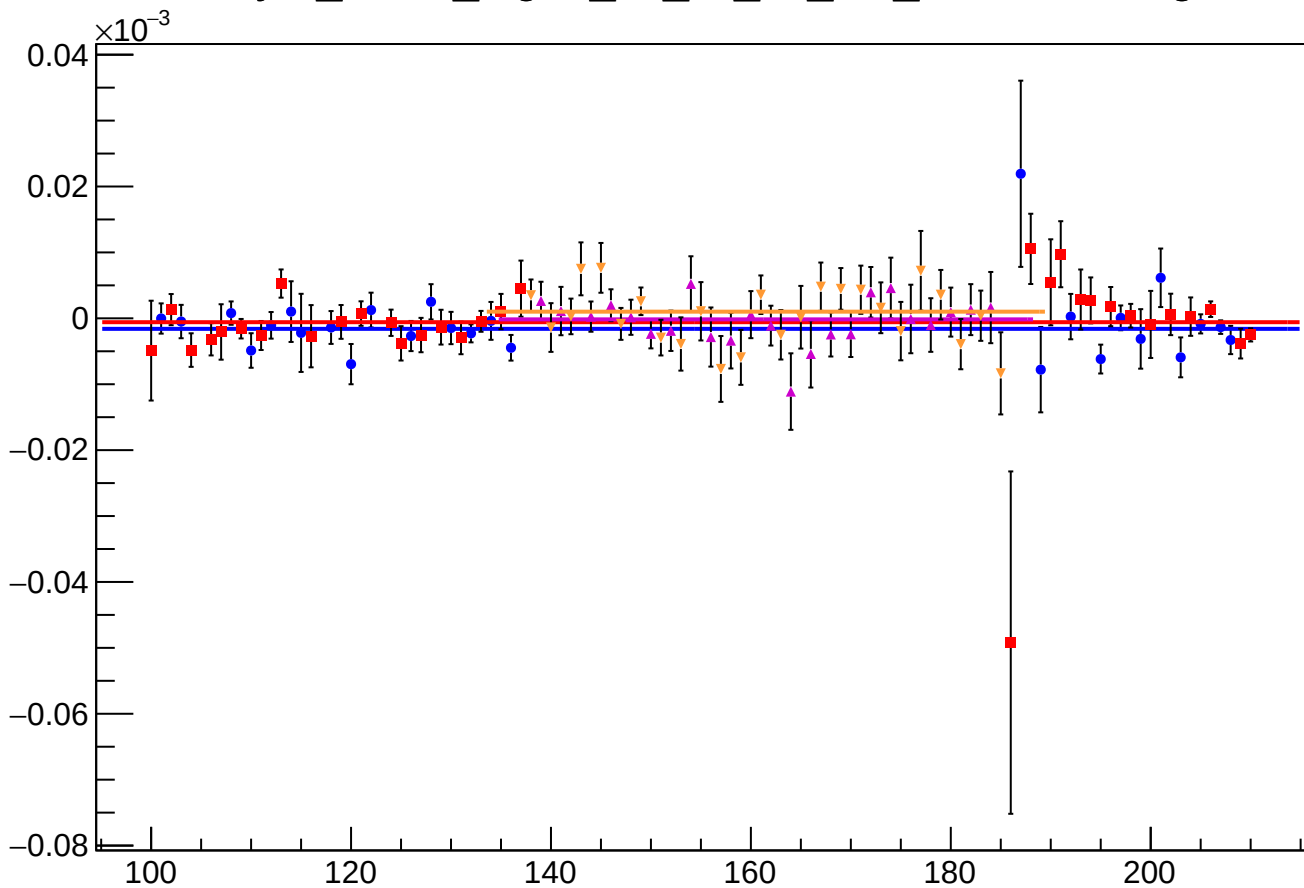
Left In: 55.956 $\pm$ 0.010 χ^2 /NDF: 1406142.1/22

+ sign 52.215 $\pm$ 0.007 χ^2 /NDF: 6757049.8/51

All: 52.059 $\pm$ 0.005 χ^2 /NDF: 16000589.7/107

- sign 51.905 $\pm$ 0.007 χ^2 /NDF: 9242468.7/55

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.2/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.5/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 43.6/32

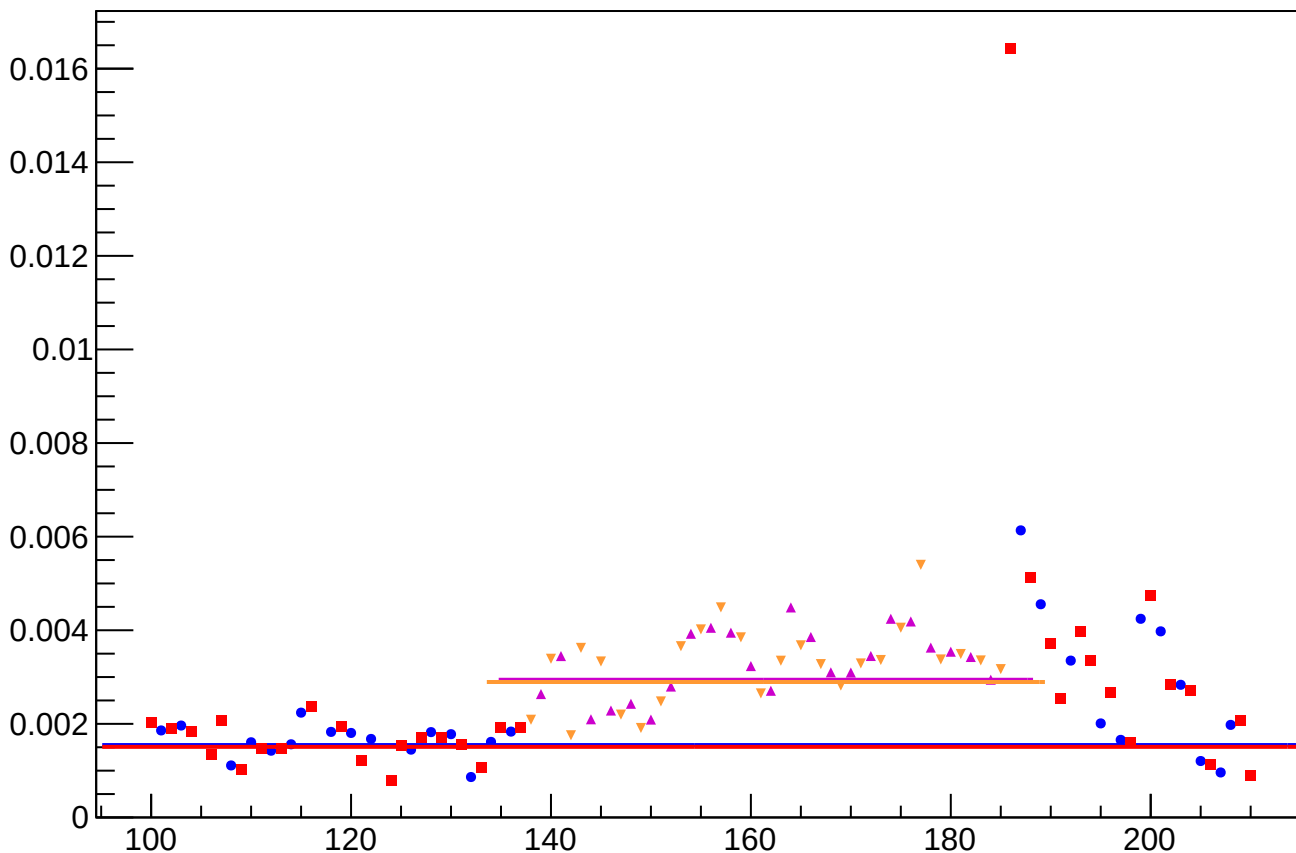
Left In: -0.000 ± 0.000 χ^2/NDF : 14.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 68.1/51

All: -0.000 ± 0.000 χ^2/NDF : 126.6/107

- sign -0.000 ± 0.000 χ^2/NDF : 57.9/55

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4687166.9/26

Left Out: 0.003+/-0.000 χ^2/NDF :2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 6983641.2/32

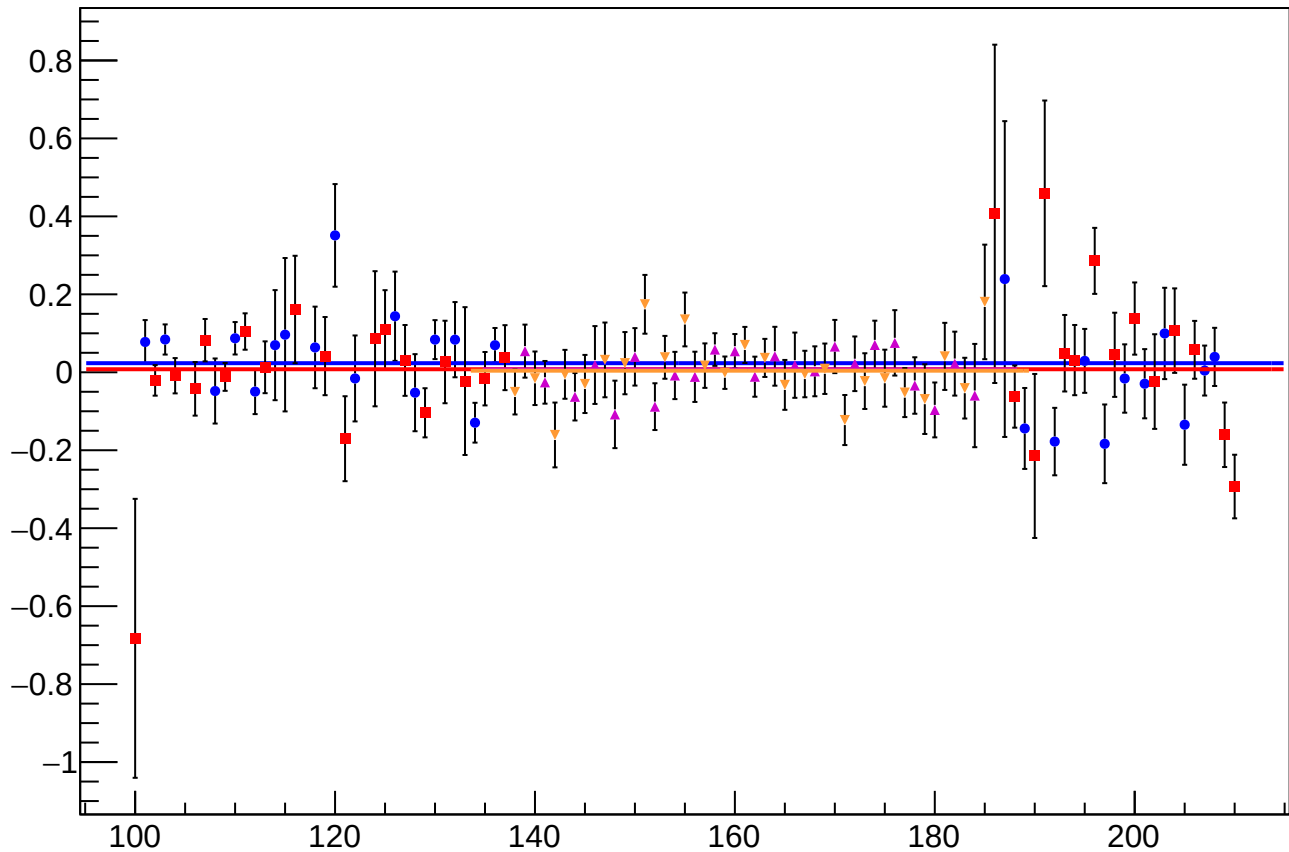
Left In: 0.003+/-0.000 χ^2/NDF :1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 12873785.3/51

All: 0.002+/-0.000 χ^2/NDF : 27965681.3/107

- sign 0.002+/-0.000 χ^2/NDF : 15052745.3/55

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.014 χ^2 /NDF: 44.4/26

Left Out: 0.004 $\pm$ 0.013 χ^2 /NDF:24.8/24

Right Out: 0.008 $\pm$ 0.013 χ^2 /NDF: 58.7/32

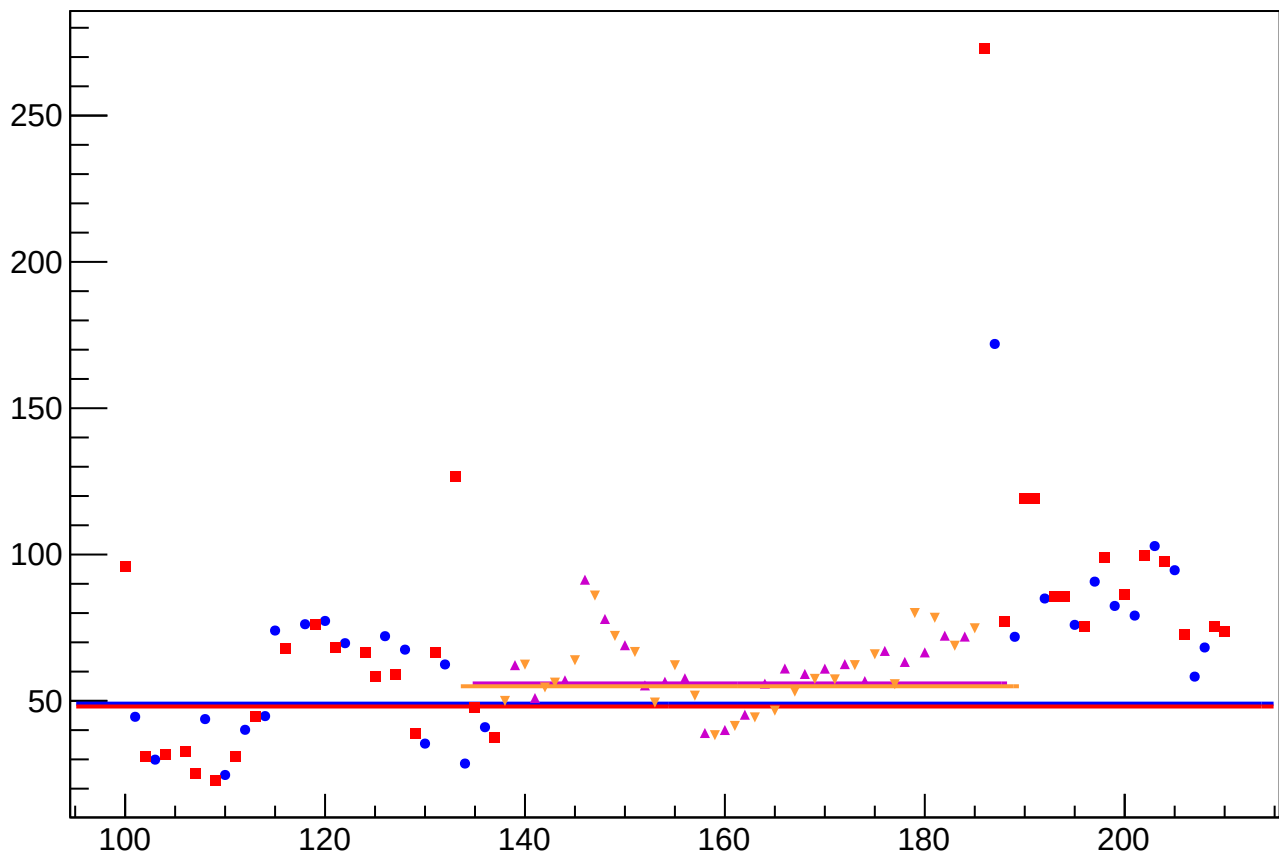
Left In: 0.007 $\pm$ 0.014 χ^2 /NDF:15.1/22

+ sign 0.013 $\pm$ 0.009 χ^2 /NDF: 70.2/51

All: 0.010 $\pm$ 0.007 χ^2 /NDF: 144.1/107

- sign 0.008 $\pm$ 0.009 χ^2 /NDF: 73.7/55

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.051 ± 0.010 $\chi^2/\text{NDF}: 4994296.9/26$

Left Out: 54.985 ± 0.009 $\chi^2/\text{NDF}: 1566963.9/24$

Right Out: 48.071 ± 0.009 $\chi^2/\text{NDF}: 7486823.8/32$

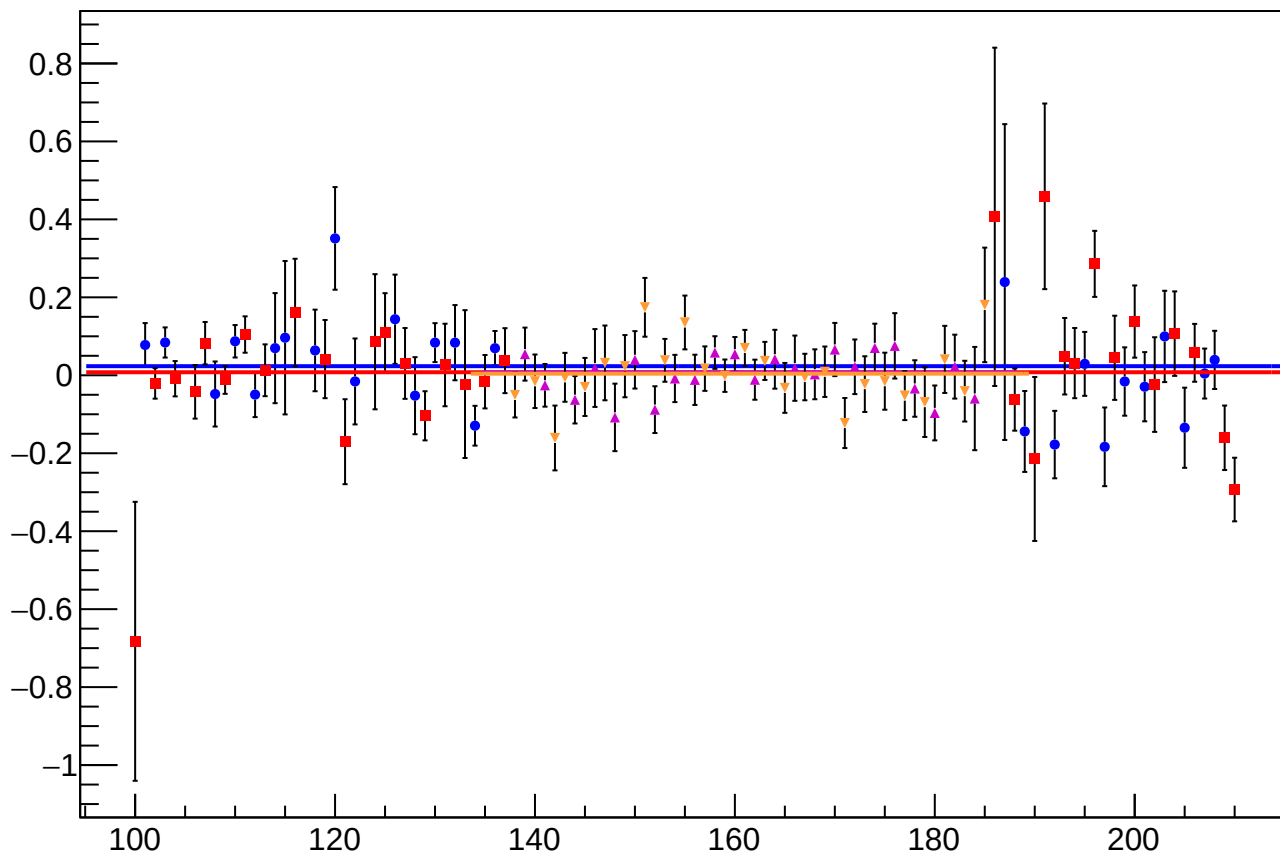
Left In: 55.955 ± 0.010 $\chi^2/\text{NDF}: 1406309.5/22$

+ sign 52.214 ± 0.007 $\chi^2/\text{NDF}: 6757267.4/51$

All: 52.059 ± 0.005 $\chi^2/\text{NDF}: 16000926.9/107$

- sign 51.905 ± 0.007 $\chi^2/\text{NDF}: 9242588.8/55$

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.014 χ^2 /NDF: 44.4/26

Left Out: 0.004 $\pm$ 0.013 χ^2 /NDF:24.8/24

Right Out: 0.008 $\pm$ 0.013 χ^2 /NDF: 58.7/32

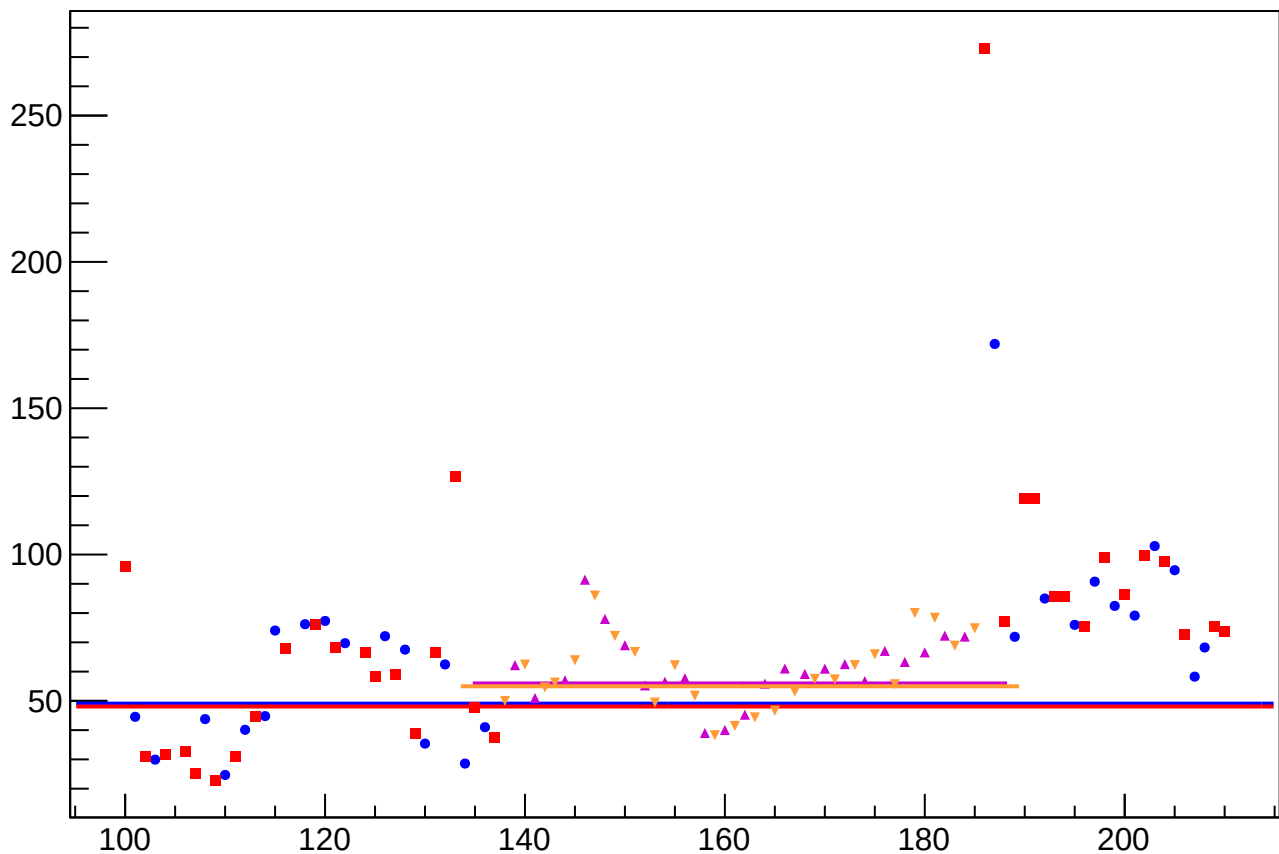
Left In: 0.007 $\pm$ 0.014 χ^2 /NDF:15.1/22

+ sign 0.013 $\pm$ 0.009 χ^2 /NDF: 70.2/51

All: 0.010 $\pm$ 0.007 χ^2 /NDF: 144.1/107

- sign 0.008 $\pm$ 0.009 χ^2 /NDF: 73.7/55

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.051+/-0.010 χ^2/NDF : 4994296.9/26

Left Out: 54.985+/-0.009 χ^2/NDF : 1566963.9/24

Right Out: 48.071+/-0.009 χ^2/NDF : 7486823.8/32

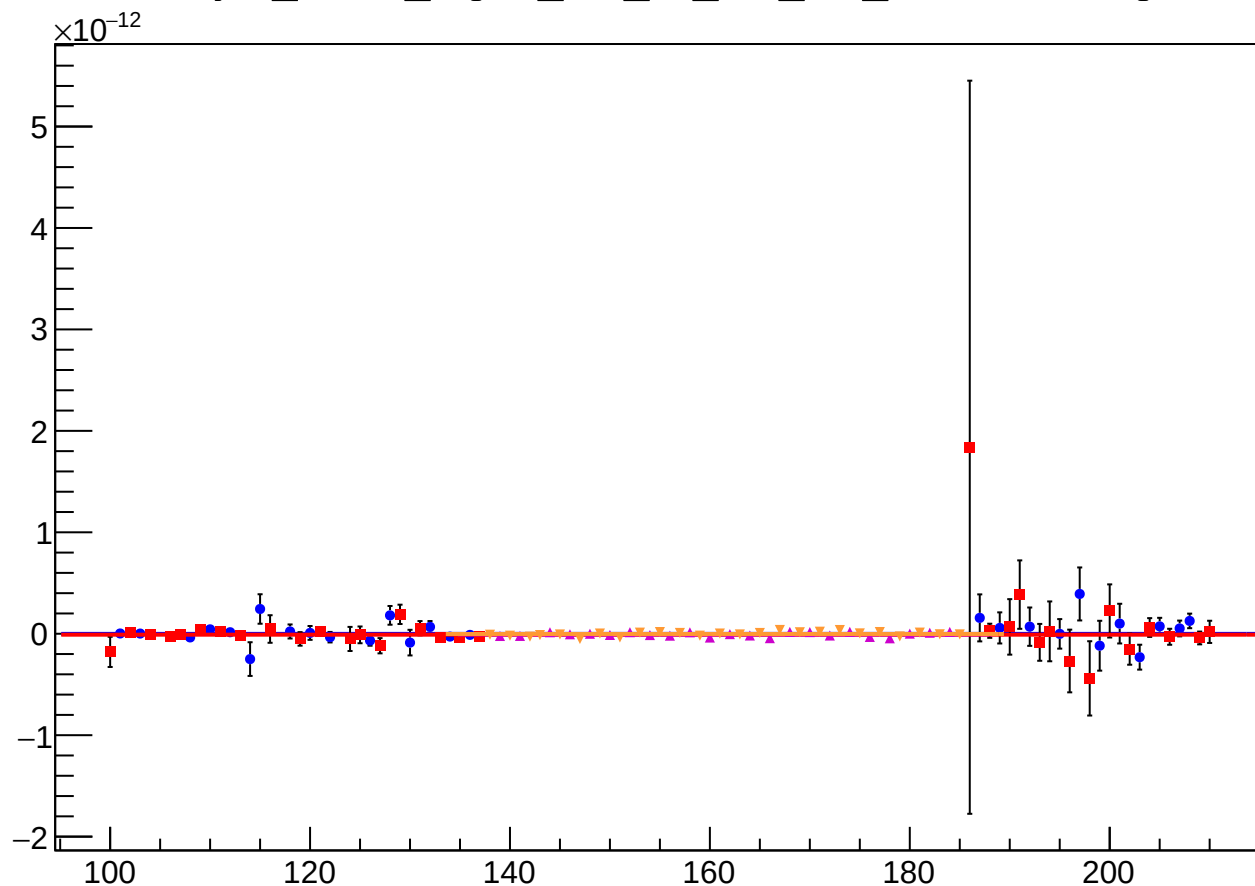
Left In: 55.955+/-0.010 χ^2/NDF : 1406309.5/22

+ sign 52.214+/-0.007 χ^2/NDF : 6757267.4/51

All: 52.059+/-0.005 χ^2/NDF : 16000926.9/107

- sign 51.905+/-0.007 χ^2/NDF : 9242588.8/55

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 28.1/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 19.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 22.7/32

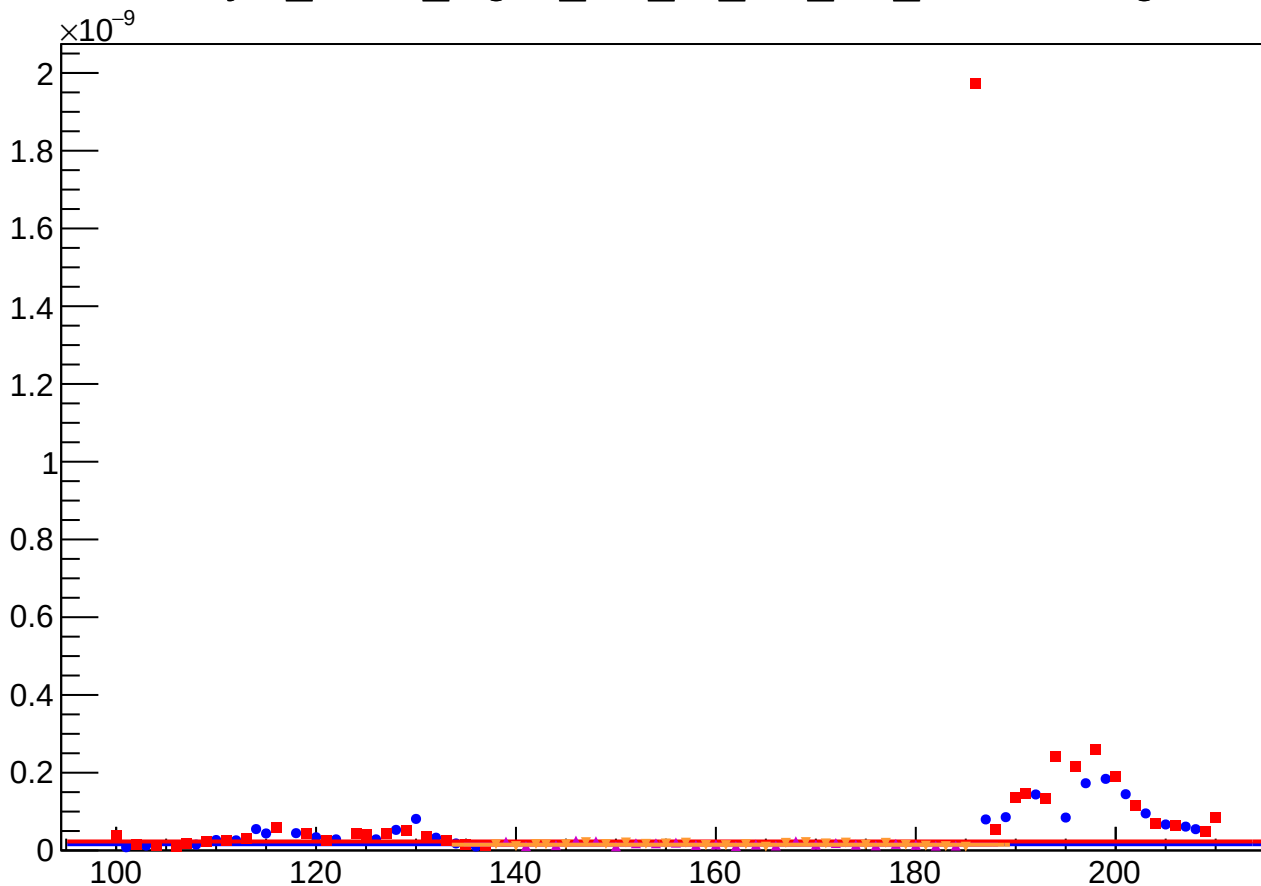
Left In: -0.000 ± 0.000 χ^2/NDF : 21.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 47.4/51

All: -0.000 ± 0.000 χ^2/NDF : 93.0/107

- sign -0.000 ± 0.000 χ^2/NDF : 44.6/55

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10692765.2/26

Left Out: 0.000+/-0.000 χ^2/NDF :1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11089676.8/32

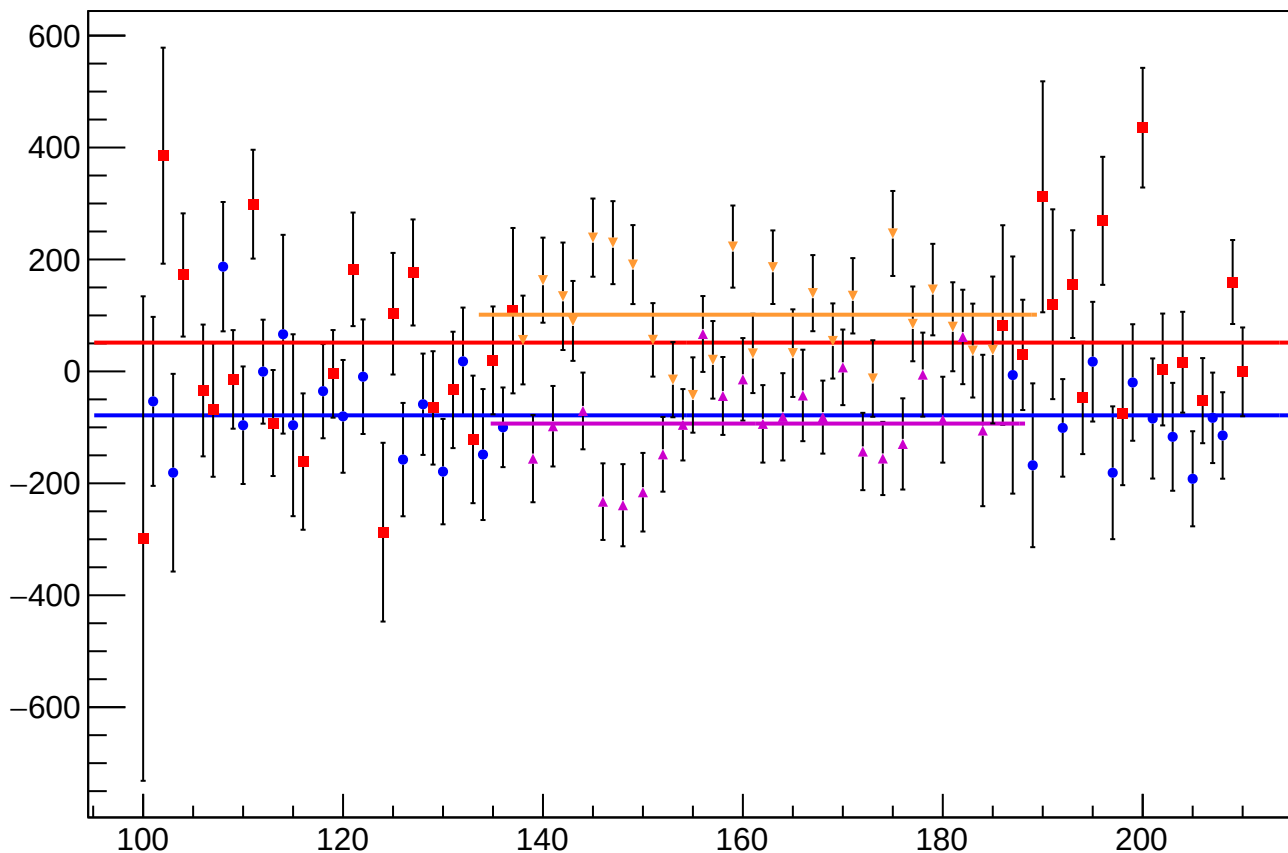
Left In: 0.000+/-0.000 χ^2/NDF :1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 12141094.0/51

All: 0.000+/-0.000 χ^2/NDF : 26205845.2/107

- sign 0.000+/-0.000 χ^2/NDF : 13920726.3/55

reg_asym_sam7_mean vs Slug



Right In: -78.523 ± 19.695 $\chi^2/\text{NDF}: 15.6/26$

Left Out: 101.325 ± 14.642 $\chi^2/\text{NDF}: 33.9/24$

Right Out: 51.440 ± 18.427 $\chi^2/\text{NDF}: 58.2/32$

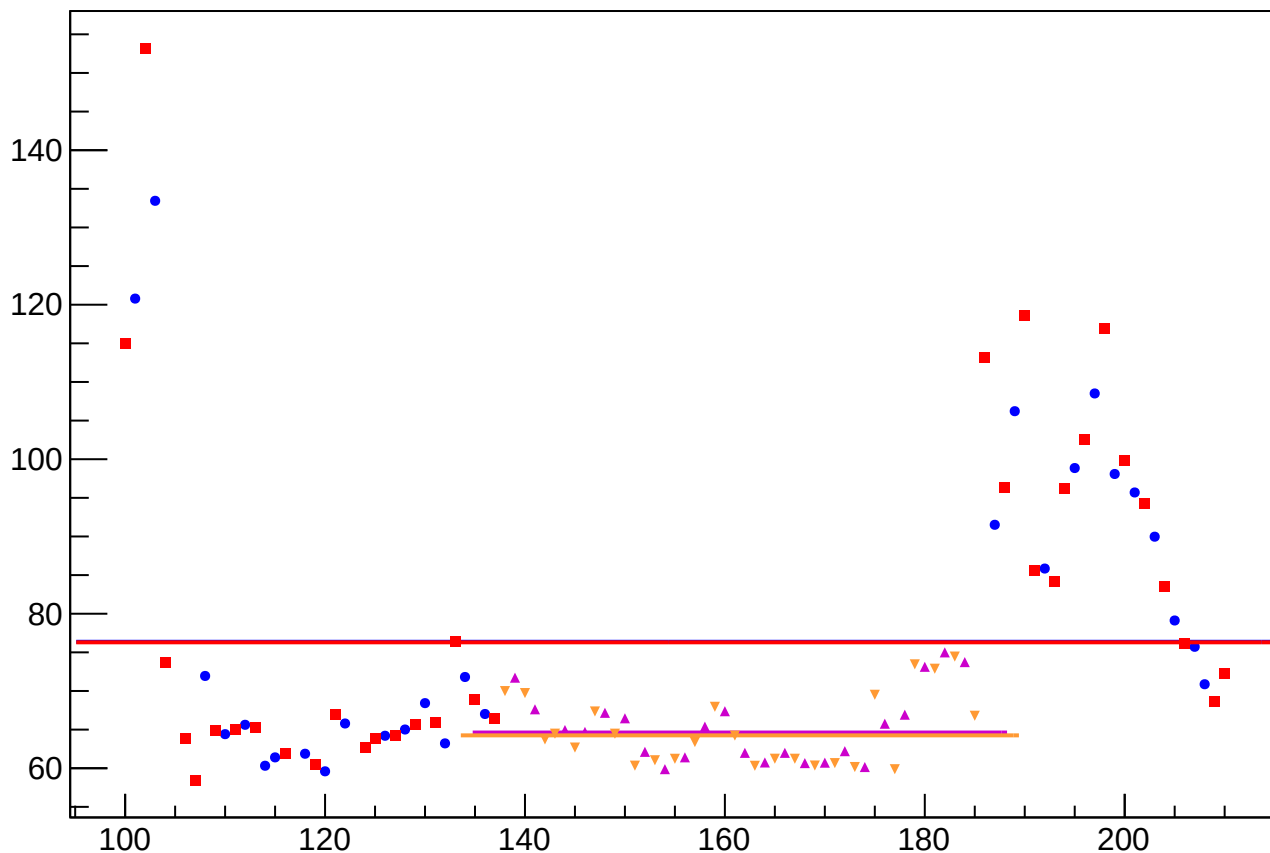
Left In: -93.236 ± 15.137 $\chi^2/\text{NDF}: 28.8/22$

+ sign 37.306 ± 11.750 $\chi^2/\text{NDF}: 103.2/51$

All: 1.014 ± 8.290 $\chi^2/\text{NDF}: 246.1/107$

- sign -34.945 ± 11.696 $\chi^2/\text{NDF}: 123.9/55$

reg_asym_sam7_rms vs Slug



Right In: 76.369+/-0.014 χ^2/NDF : 1312832.5/26

Left Out: 64.256+/-0.010 χ^2/NDF : 177697.9/24

Right Out: 76.299+/-0.013 χ^2/NDF : 1611051.8/32

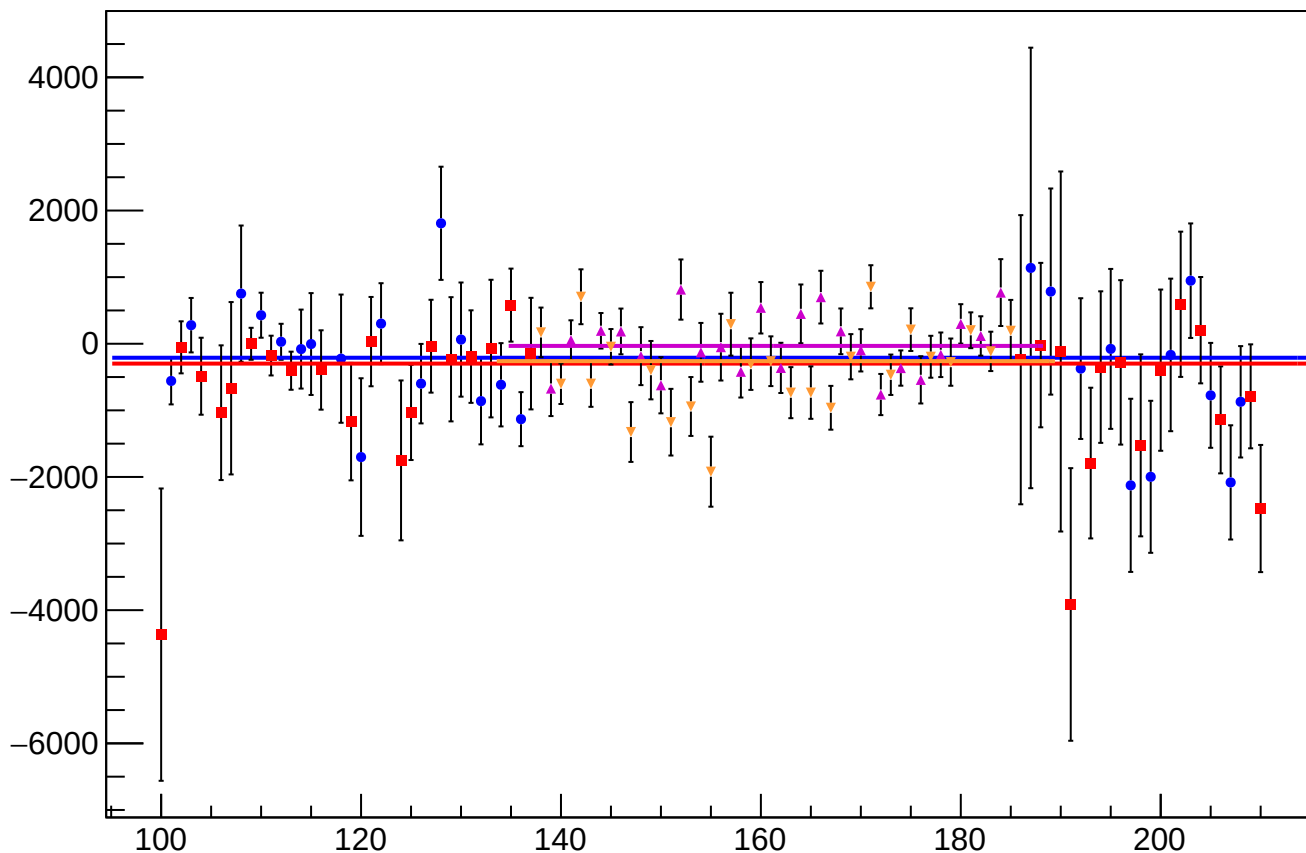
Left In: 64.621+/-0.011 χ^2/NDF : 147201.3/22

+ sign 68.567+/-0.008 χ^2/NDF : 1977775.2/51

All: 68.949+/-0.006 χ^2/NDF : 4219872.4/107

- sign 69.326+/-0.008 χ^2/NDF : 2237905.0/55

asym_sam7_reg_correction_mean vs Slug



Right In: -210.101 ± 116.992 χ^2/NDF : 35.8/26

Left Out: -261.124 ± 71.268 χ^2/NDF : 58.8/24

Right Out: -298.053 ± 109.464 χ^2/NDF : 26.5/32

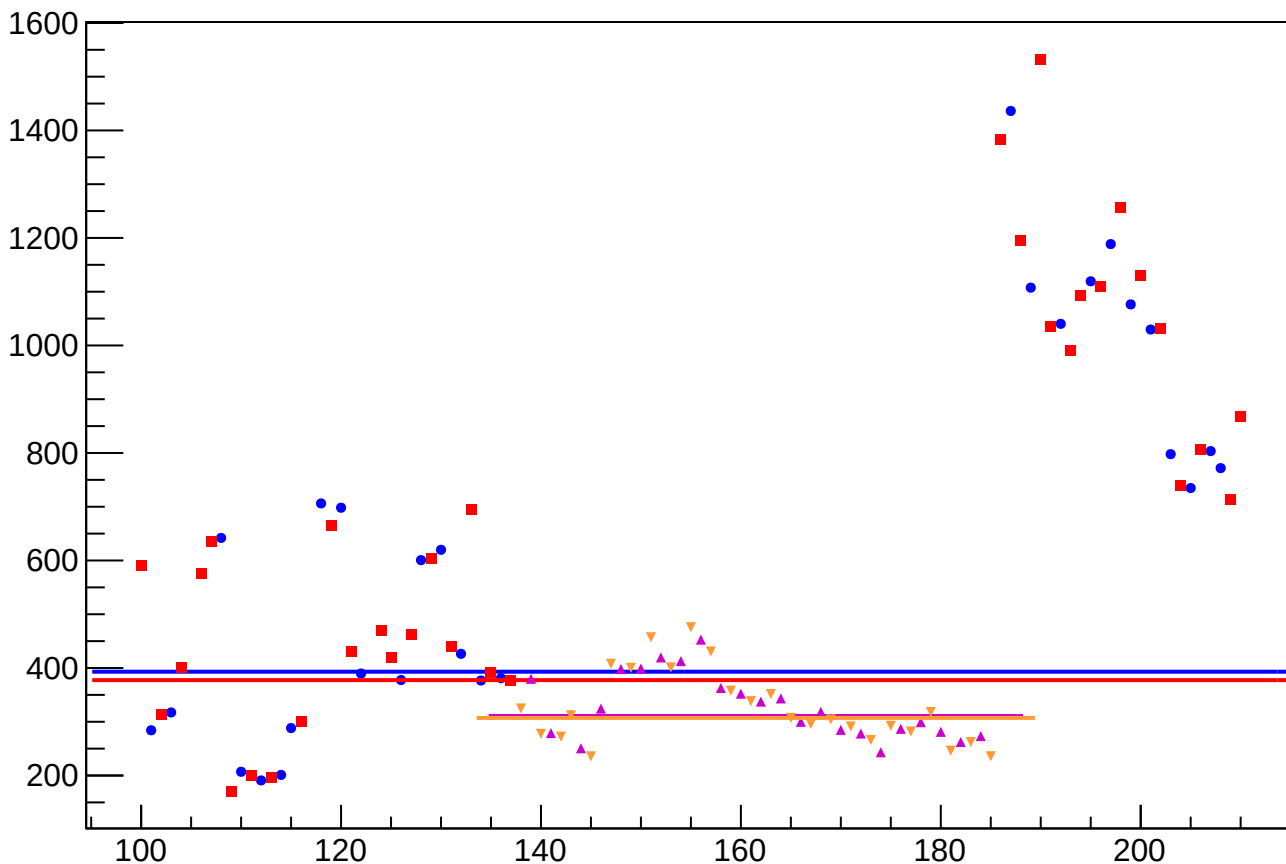
Left In: -32.423 ± 73.837 χ^2/NDF : 31.7/22

+ sign -247.314 ± 60.864 χ^2/NDF : 94.7/51

All: -181.778 ± 43.160 χ^2/NDF : 159.3/107

- sign -115.488 ± 61.213 χ^2/NDF : 62.2/55

asym_sam7_reg_correction_rms vs Slug



Right In: 393.123+/-0.083 χ^2/NDF : 8845876.5/26

Left Out: 307.143+/-0.050 χ^2/NDF : 1320151.2/24

Right Out: 377.478+/-0.077 χ^2/NDF : 12026129.0/32

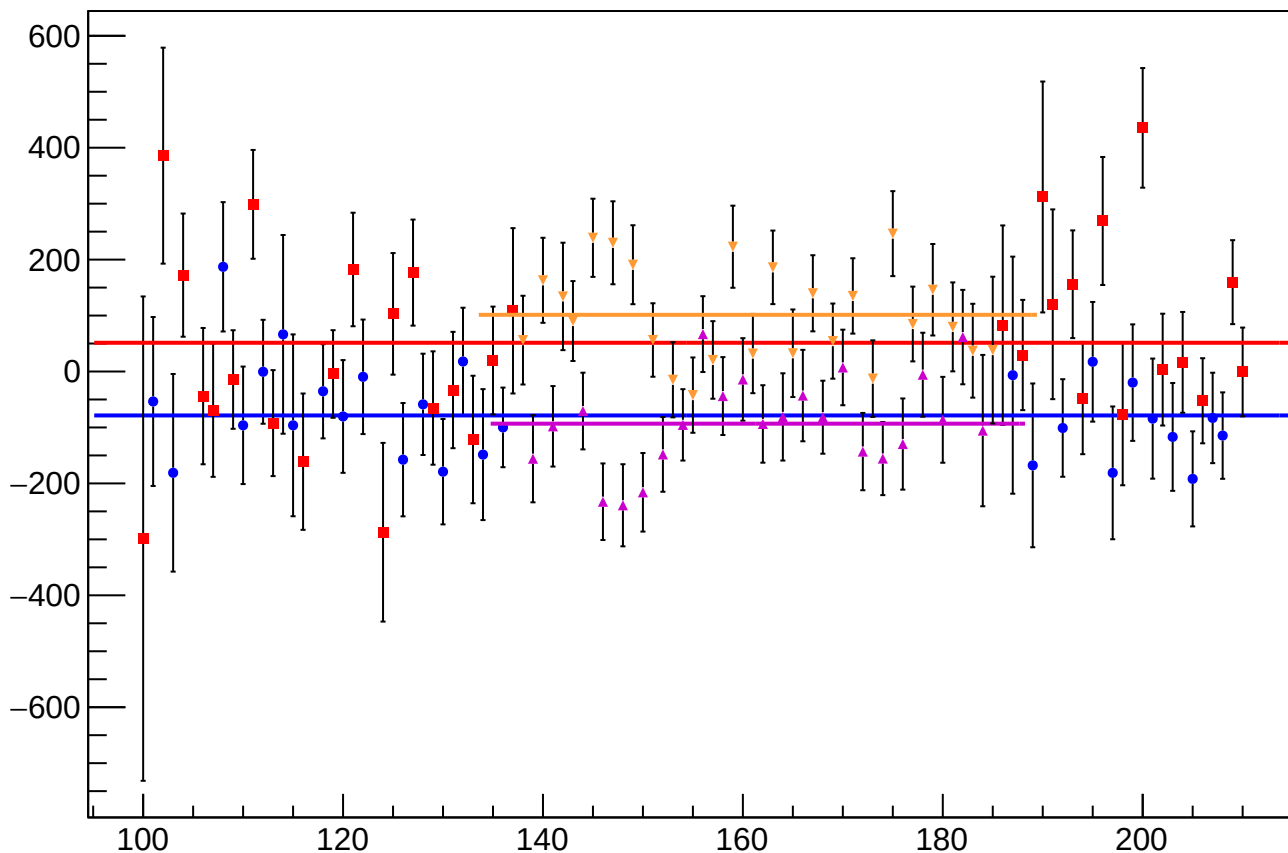
Left In: 310.697+/-0.052 χ^2/NDF : 1079476.2/22

+ sign 330.414+/-0.043 χ^2/NDF : 10953876.1/51

All: 330.994+/-0.031 χ^2/NDF : 24571434.3/10

- sign 331.580+/-0.043 χ^2/NDF : 13617193.0/55

cor_asym_sam7_mean vs Slug



Right In: -78.526 ± 19.695 χ^2/NDF : 15.6/26

Left Out: 101.325 ± 14.642 χ^2/NDF : 33.9/24

Right Out: 51.350 ± 18.442 χ^2/NDF : 58.3/32

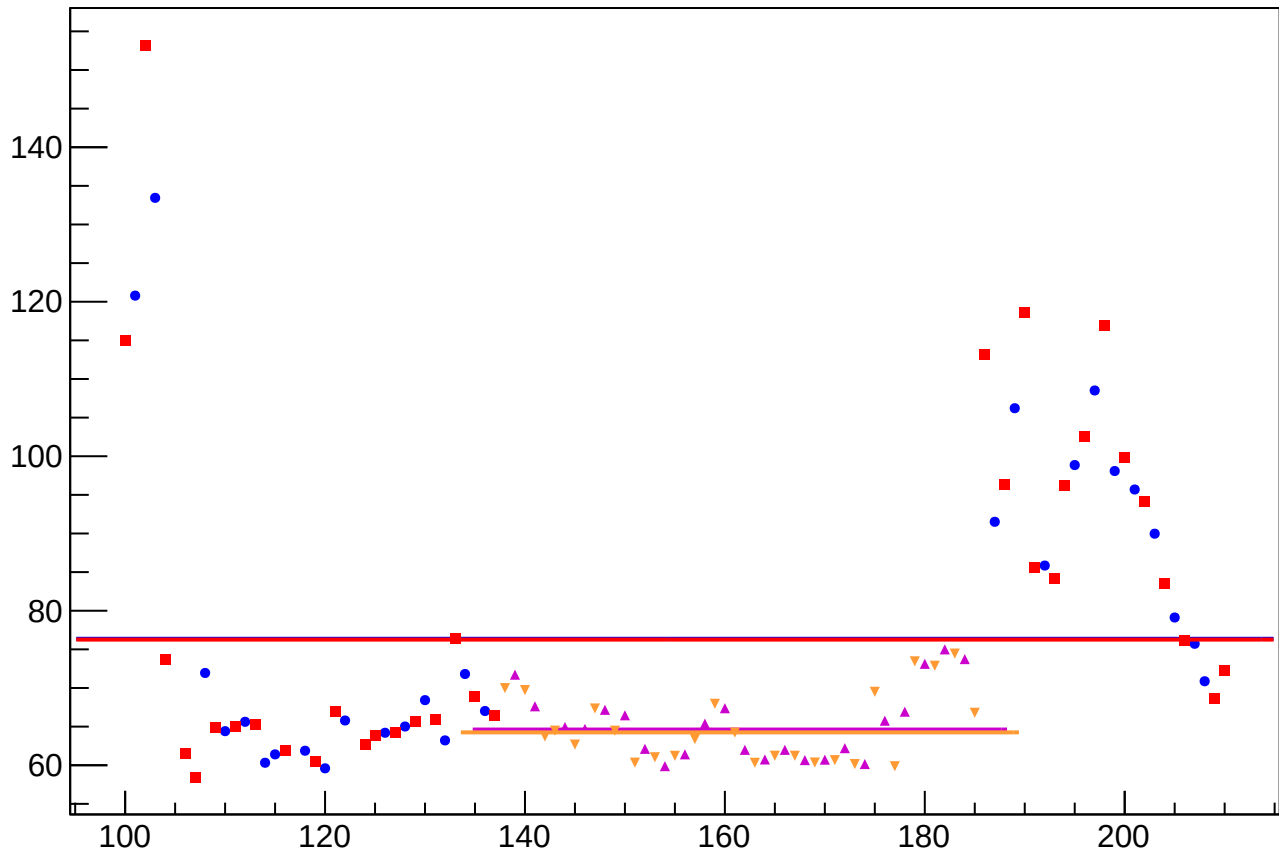
Left In: -93.235 ± 15.137 χ^2/NDF : 28.8/22

+ sign 37.305 ± 11.750 χ^2/NDF : 103.2/51

All: 0.979 ± 8.291 χ^2/NDF : 246.1/107

- sign -35.037 ± 11.700 χ^2/NDF : 123.9/55

cor_asym_sam7_rms vs Slug



Right In: 76.369+/-0.014 χ^2/NDF : 1312832.8/26

Left Out: 64.256+/-0.010 χ^2/NDF : 177697.9/24

Right Out: 76.265+/-0.013 χ^2/NDF : 1618250.1/32

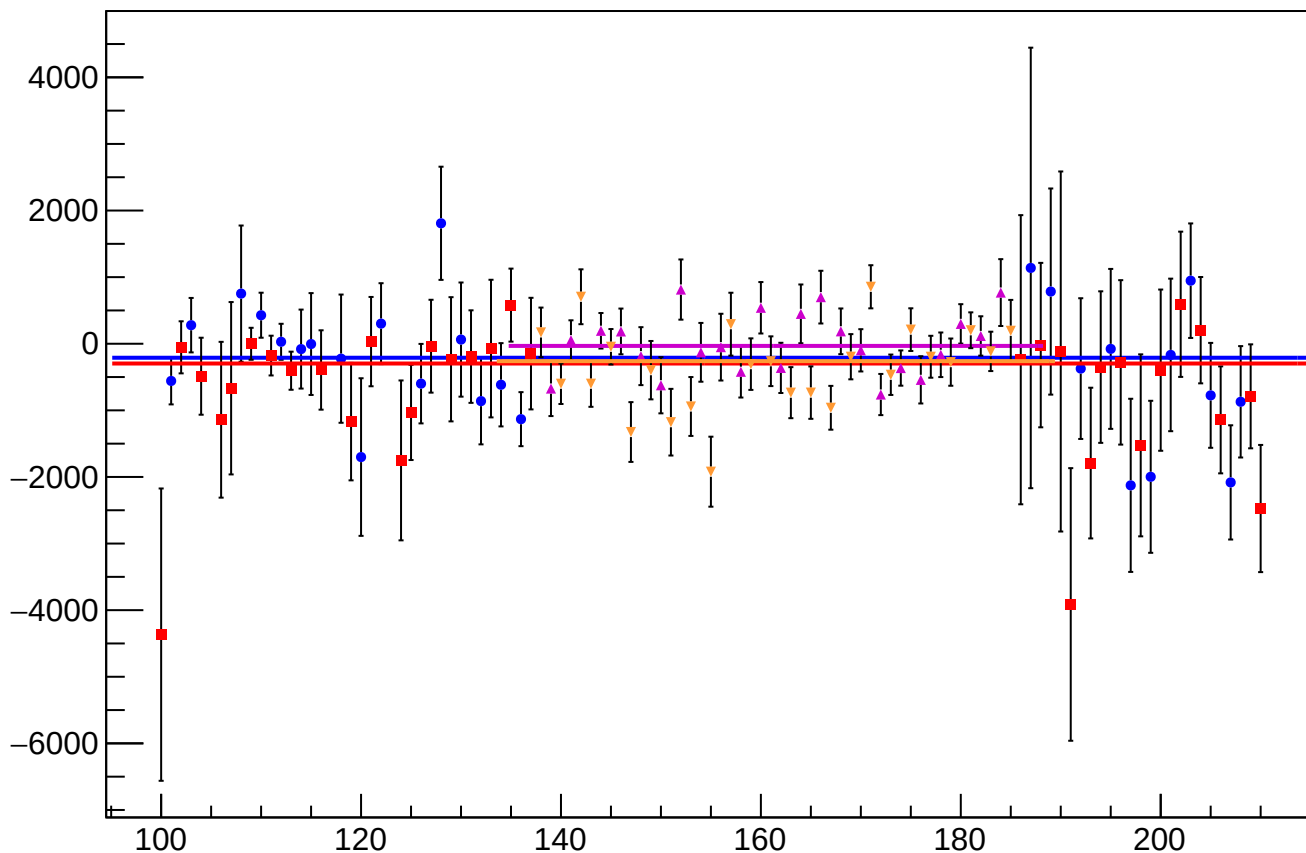
Left In: 64.621+/-0.011 χ^2/NDF : 147201.3/22

+ sign 68.567+/-0.008 χ^2/NDF : 1977775.6/51

All: 68.939+/-0.006 χ^2/NDF : 4223610.1/107

- sign 69.308+/-0.008 χ^2/NDF : 2241843.1/55

asym_sam7_cor_correction_mean vs Slug



Right In: -210.098+/-116.993 χ^2/NDF : 35.8/26

Left Out: -261.124+/-71.268 χ^2/NDF : 58.8/24

Right Out: -296.811+/-109.631 χ^2/NDF : 26.4/32

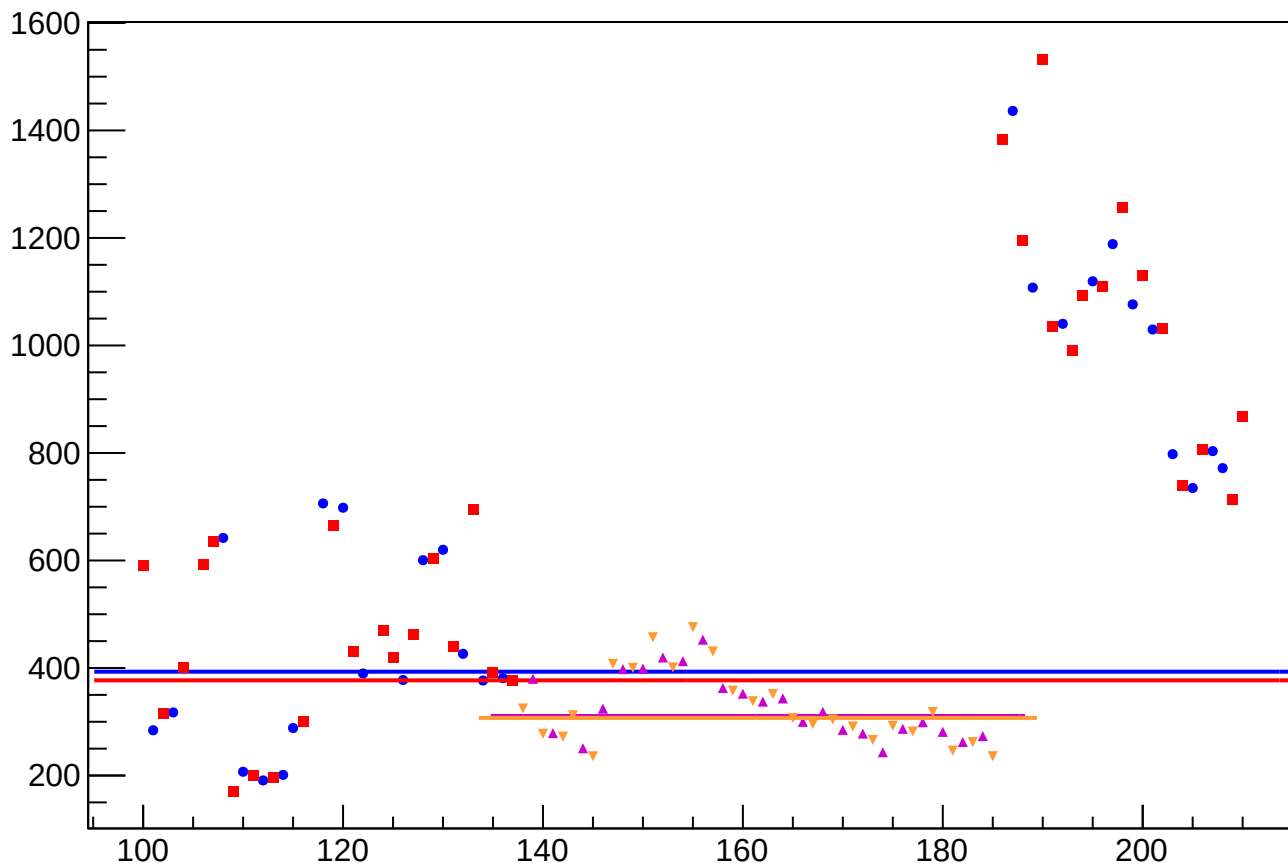
Left In: -32.420+/-73.837 χ^2/NDF : 31.7/22

+ sign -247.314+/-60.864 χ^2/NDF : 94.7/51

All: -181.529+/-43.171 χ^2/NDF : 159.3/107

- sign -114.926+/-61.242 χ^2/NDF : 62.2/55

asym_sam7_cor_correction_rms vs Slug



Right In: 393.125+/-0.083 χ^2/NDF : 8845828.0/26

Left Out: 307.143+/-0.050 χ^2/NDF : 1320147.4/24

Right Out: 377.065+/-0.078 χ^2/NDF : 12017346.8/32

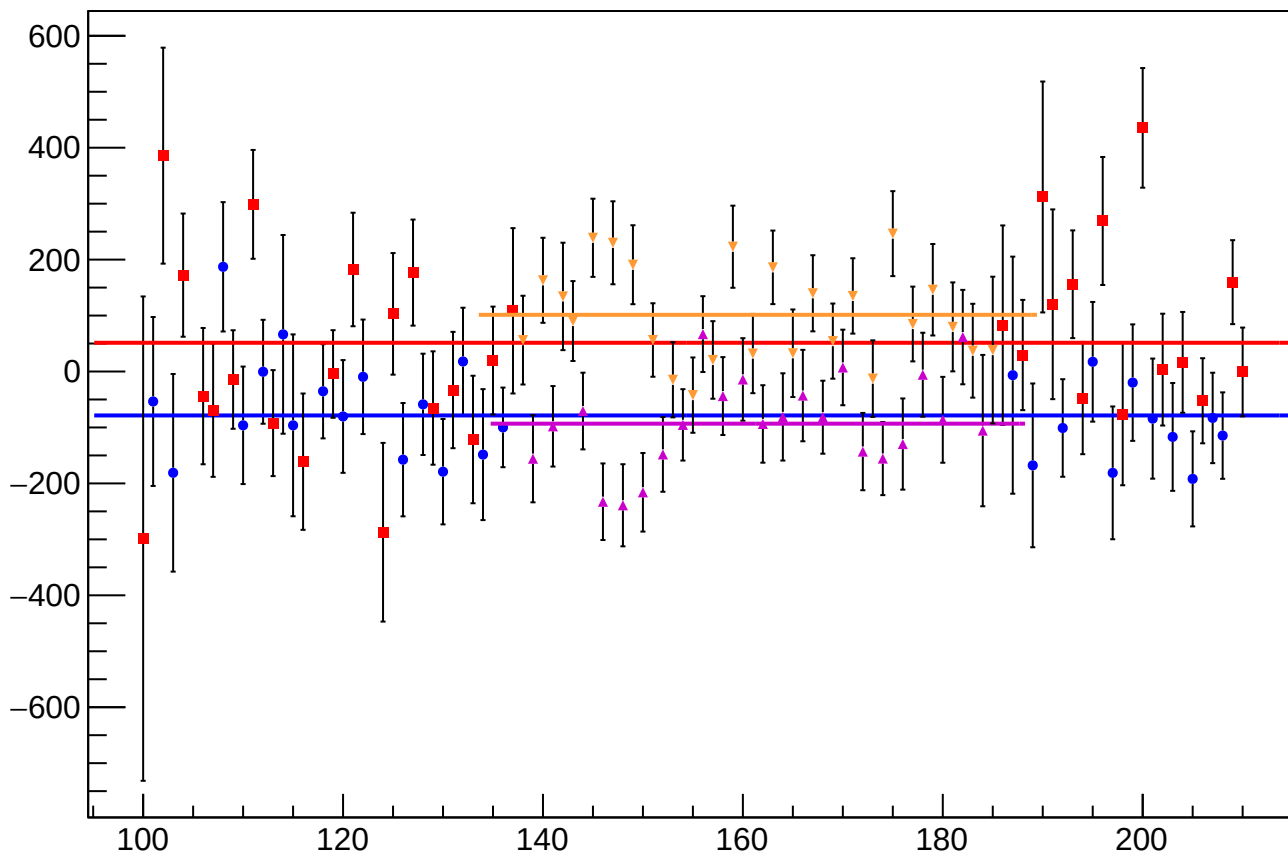
Left In: 310.698+/-0.052 χ^2/NDF : 1079479.8/22

+ sign 330.414+/-0.043 χ^2/NDF : 10953866.4/51

All: 330.908+/-0.031 χ^2/NDF : 24555191.6/10

- sign 331.408+/-0.043 χ^2/NDF : 13601060.2/55

eigen_cor_asym_sam7_mean vs Slug



Right In: -78.526 ± 19.695 χ^2/NDF : 15.6/26

Left Out: 101.325 ± 14.642 χ^2/NDF : 33.9/24

Right Out: 51.350 ± 18.442 χ^2/NDF : 58.3/32

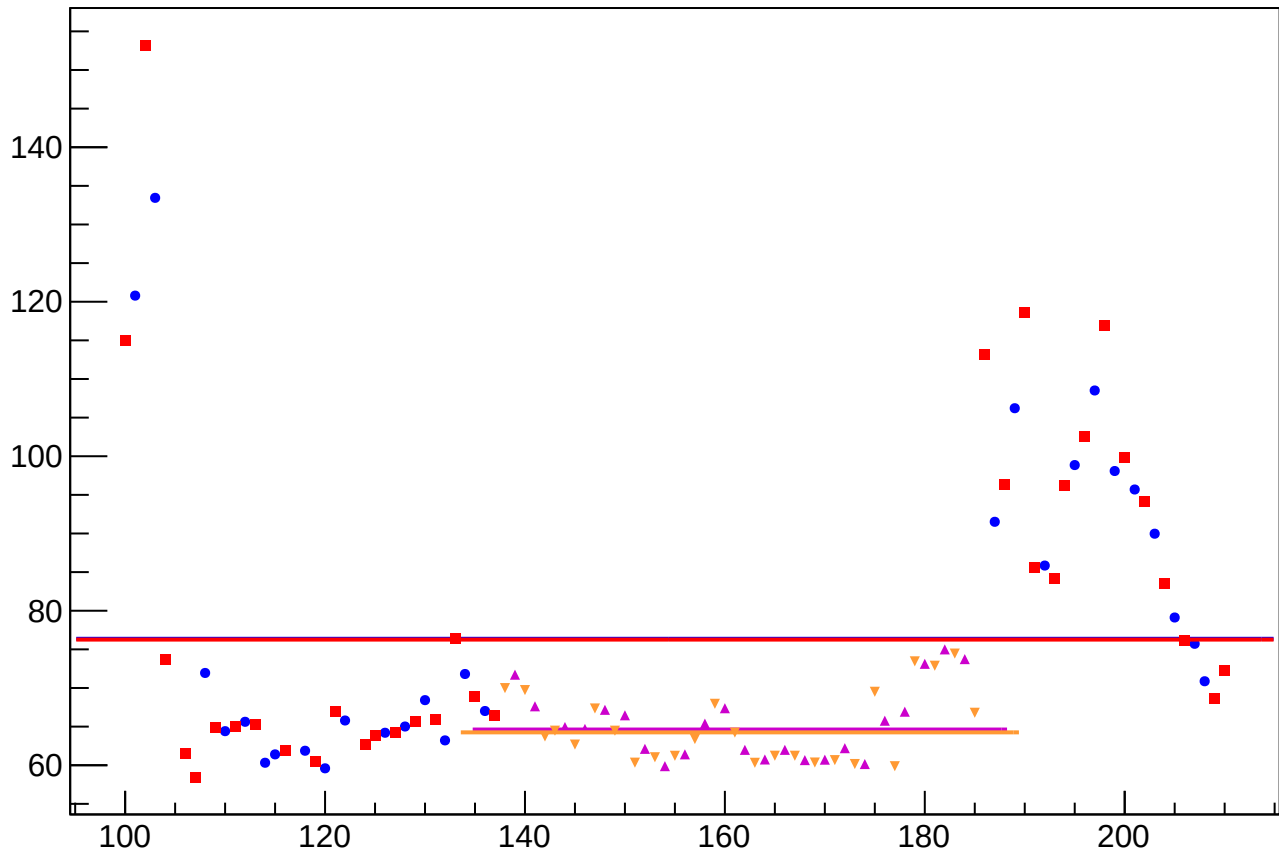
Left In: -93.235 ± 15.137 χ^2/NDF : 28.8/22

+ sign 37.305 ± 11.750 χ^2/NDF : 103.2/51

All: 0.979 ± 8.291 χ^2/NDF : 246.1/107

- sign -35.037 ± 11.700 χ^2/NDF : 123.9/55

eigen_cor_asym_sam7_rms vs Slug



Right In: 76.369 $\pm$ 0.014 χ^2 /NDF: 1312832.8/26

Left Out: 64.256 $\pm$ 0.010 χ^2 /NDF: 177697.9/24

Right Out: 76.265 $\pm$ 0.013 χ^2 /NDF: 1618250.1/32

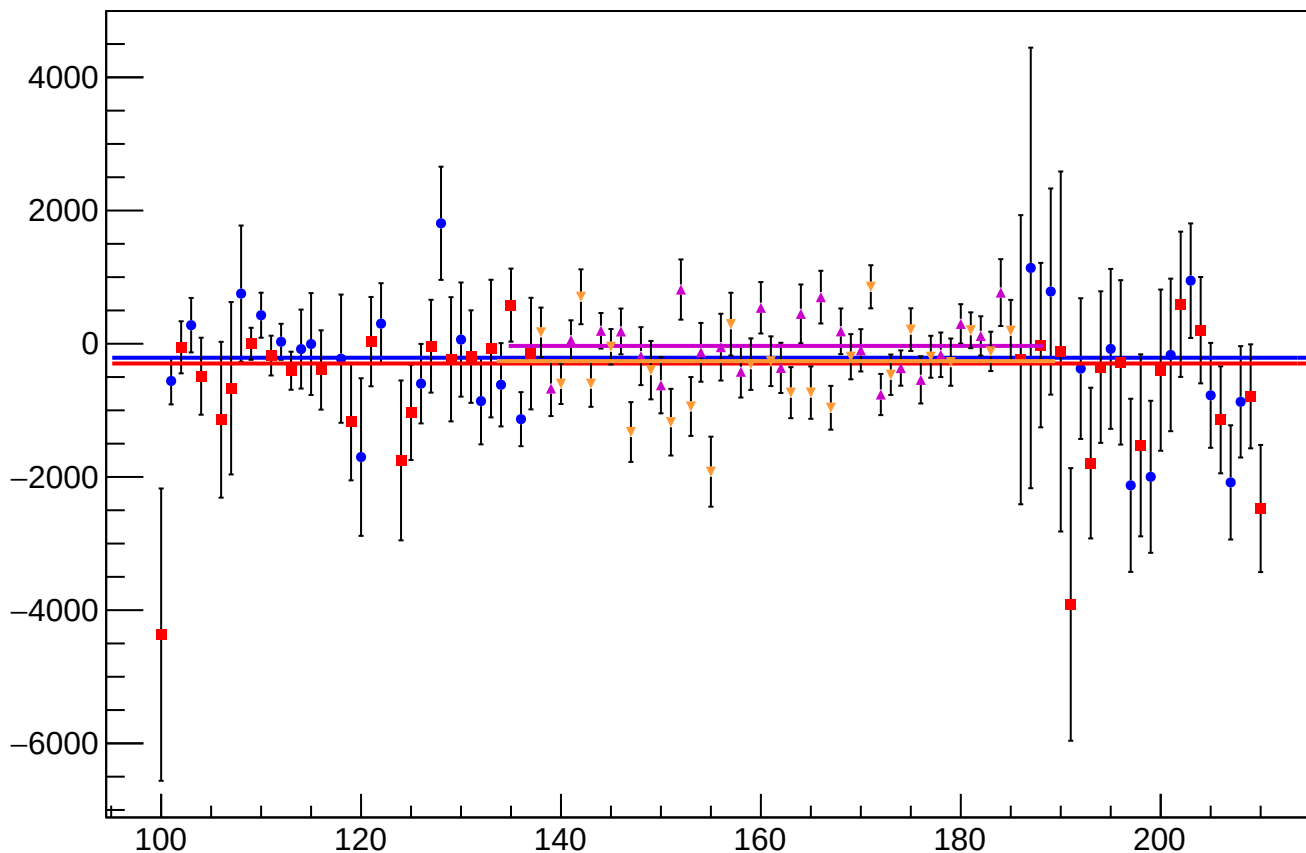
Left In: 64.621 $\pm$ 0.011 χ^2 /NDF: 147201.3/22

+ sign 68.567 $\pm$ 0.008 χ^2 /NDF: 1977775.6/51

All: 68.939 $\pm$ 0.006 χ^2 /NDF: 4223610.1/107

- sign 69.308 $\pm$ 0.008 χ^2 /NDF: 2241843.1/55

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -210.098 ± 116.993 χ^2/NDF : 35.8/26

Left Out: -261.124 ± 71.268 χ^2/NDF : 58.8/24

Right Out: -296.811 ± 109.631 χ^2/NDF : 26.4/32

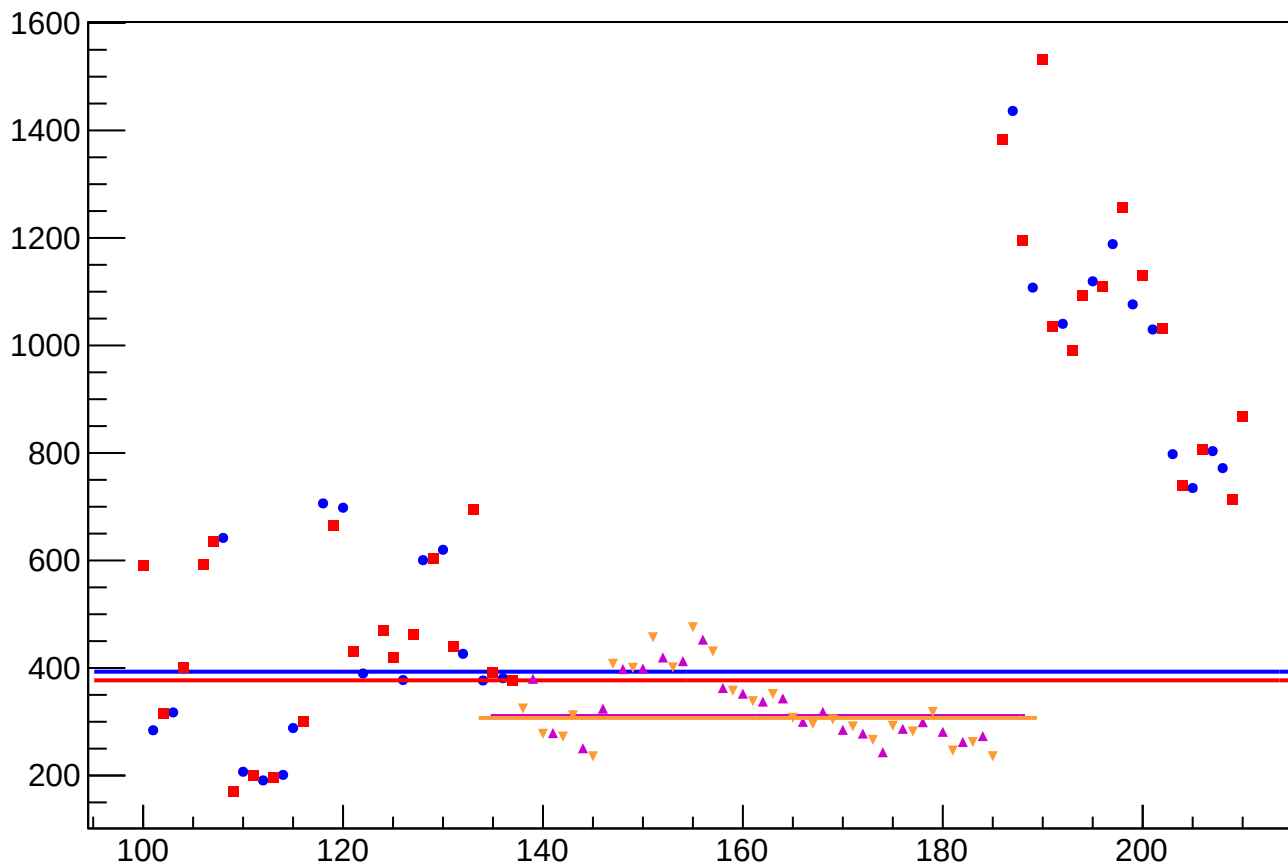
Left In: -32.420 ± 73.837 χ^2/NDF : 31.7/22

+ sign -247.314 ± 60.864 χ^2/NDF : 94.7/51

All: -181.529 ± 43.171 χ^2/NDF : 159.3/107

- sign -114.926 ± 61.242 χ^2/NDF : 62.2/55

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 393.125+/-0.083 χ^2/NDF : 8845828.0/26

Left Out: 307.143+/-0.050 χ^2/NDF : 1320147.4/24

Right Out: 377.065+/-0.078 χ^2/NDF : 12017346.8/32

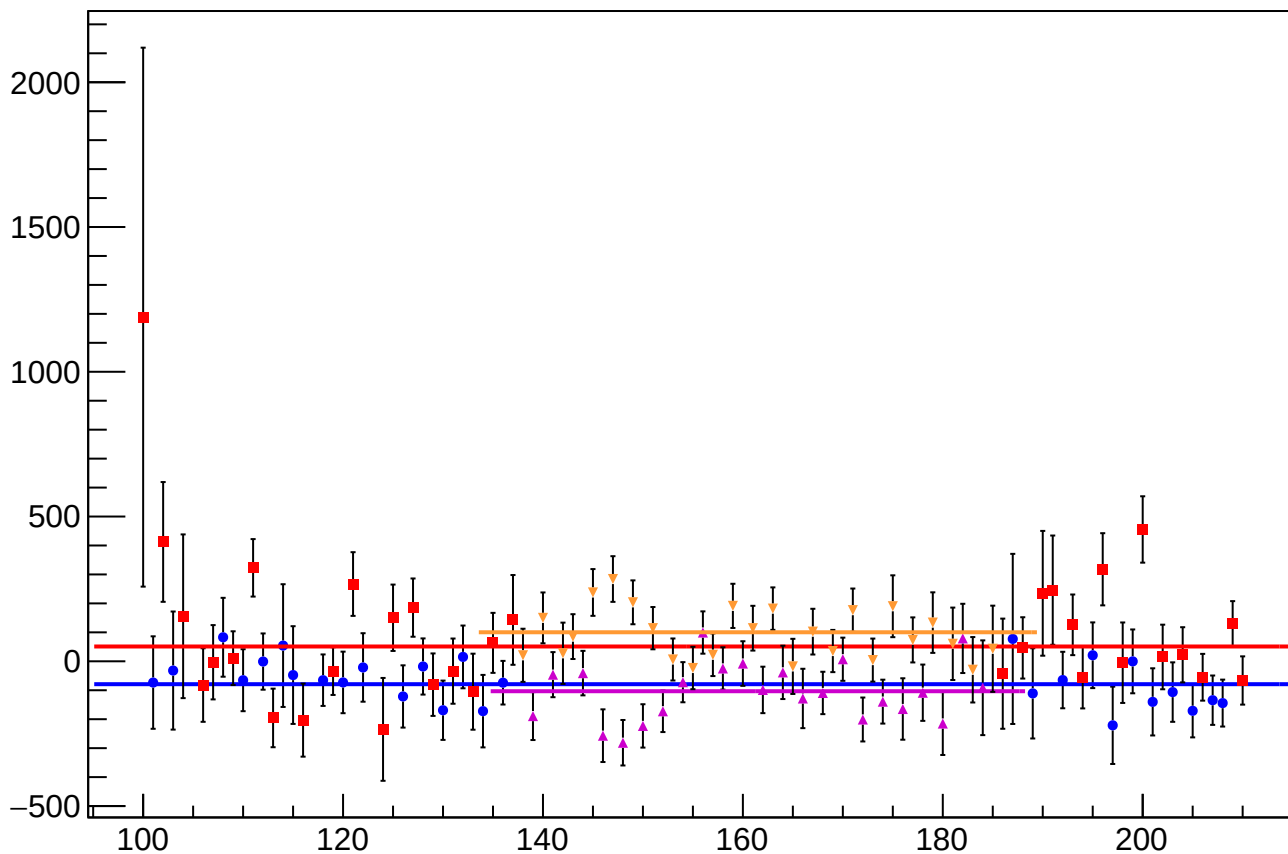
Left In: 310.698+/-0.052 χ^2/NDF : 1079479.8/22

+ sign 330.414+/-0.043 χ^2/NDF : 10953866.4/51

All: 330.908+/-0.031 χ^2/NDF : 24555191.6/10

- sign 331.408+/-0.043 χ^2/NDF : 13601060.2/55

dit_asym_sam7_mean vs Slug



Right In: -79.069 ± 21.227 χ^2/NDF : 10.7/26

Left Out: 100.277 ± 16.625 χ^2/NDF : 27.7/24

Right Out: 51.135 ± 19.911 χ^2/NDF : 63.2/32

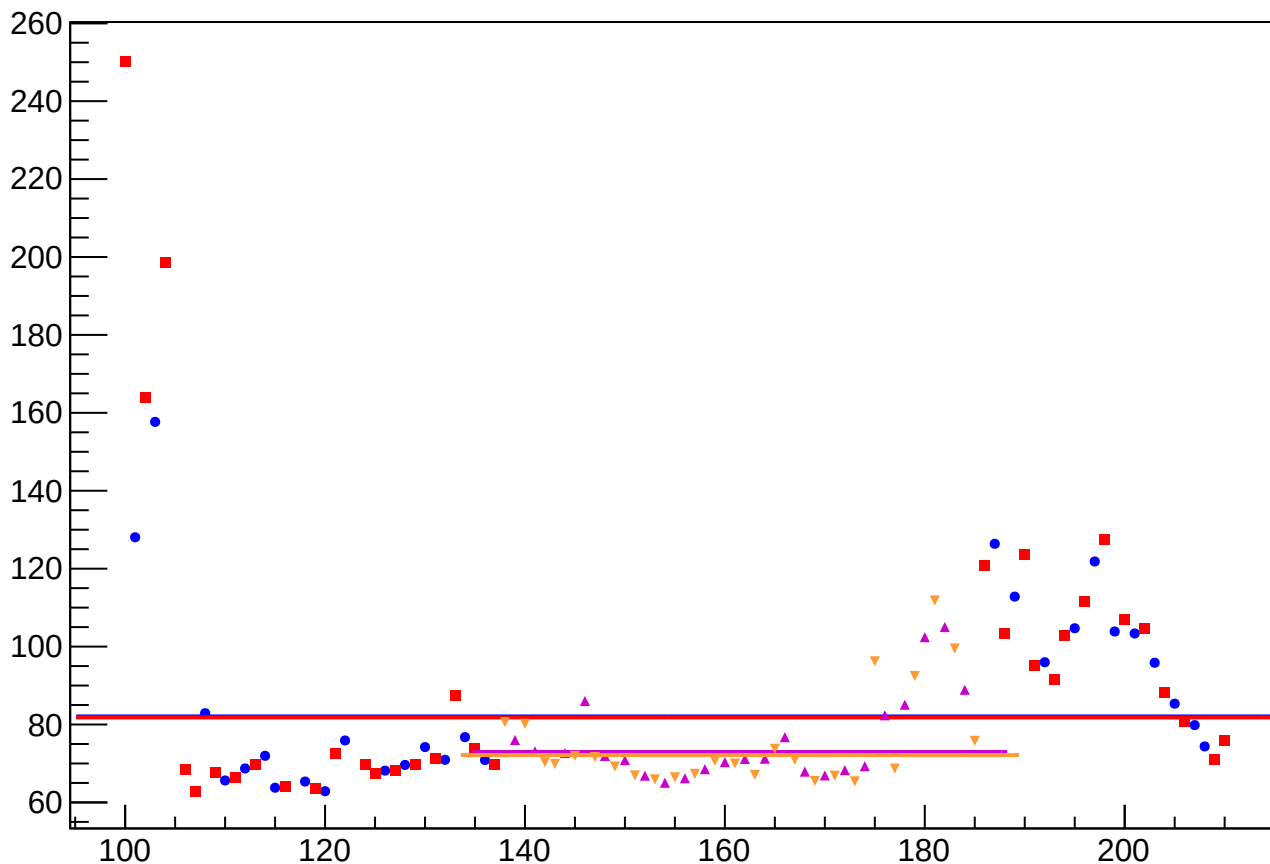
Left In: -103.363 ± 17.260 χ^2/NDF : 32.7/22

+ sign 32.091 ± 13.089 χ^2/NDF : 82.6/51

All: -2.615 ± 9.239 χ^2/NDF : 226.9/107

- sign -37.074 ± 13.042 χ^2/NDF : 130.3/55

dit_asym_sam7_rms vs Slug



Right In: 82.064 $\pm$ 0.015 χ^2 /NDF: 1467074.8/26

Left Out: 72.150 $\pm$ 0.012 χ^2 /NDF: 641970.1/24

Right Out: 81.813 $\pm$ 0.014 χ^2 /NDF: 2126943.5/32

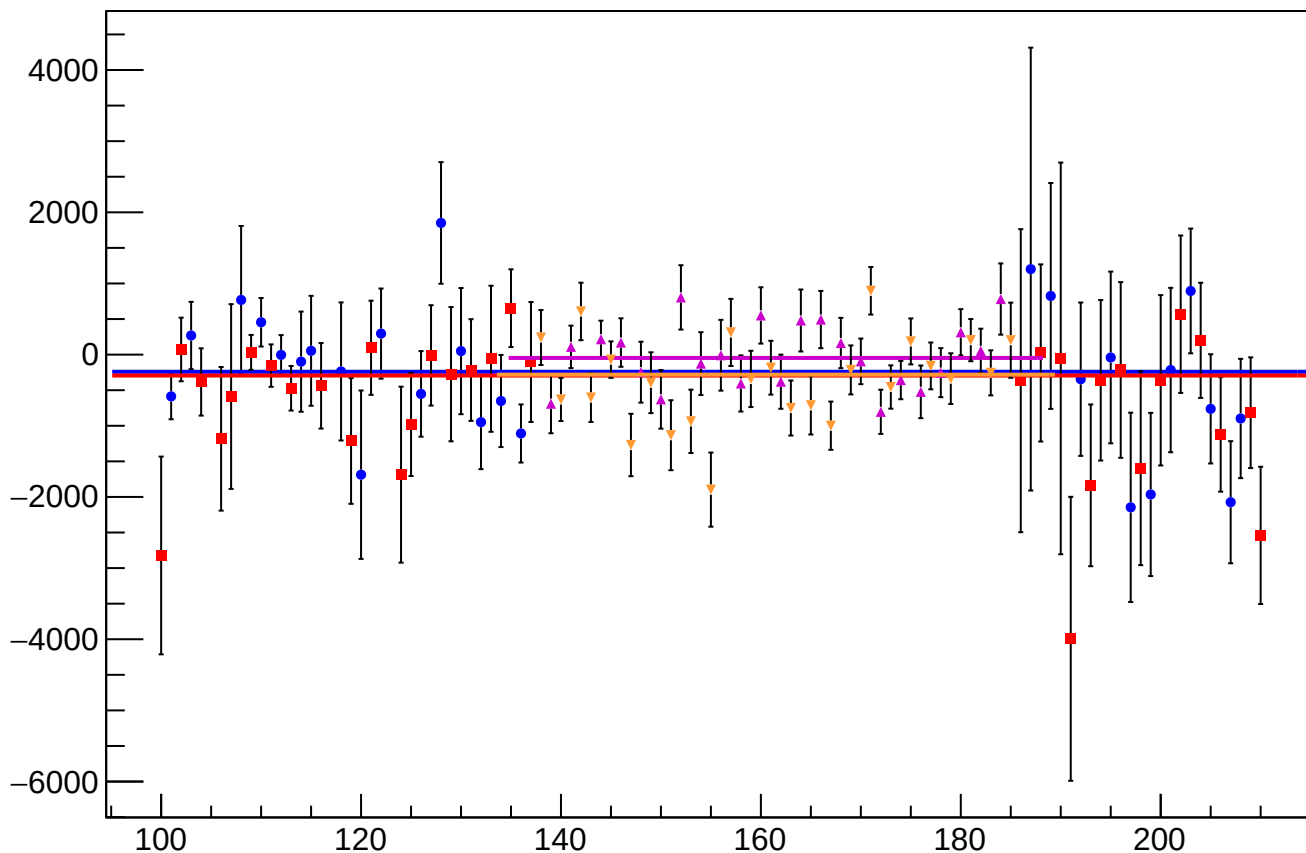
Left In: 72.948 $\pm$ 0.012 χ^2 /NDF: 509028.0/22

+ sign 75.919 $\pm$ 0.009 χ^2 /NDF: 2379472.6/51

All: 76.337 $\pm$ 0.007 χ^2 /NDF: 5245882.7/107

- sign 76.752 $\pm$ 0.009 χ^2 /NDF: 2862346.5/55

asym_sam7_dit_correction_mean vs Slug



Right In: -241.030 ± 119.079 χ^2/NDF : 35.3/26

Left Out: -281.205 ± 72.538 χ^2/NDF : 56.8/24

Right Out: -294.248 ± 111.372 χ^2/NDF : 28.3/32

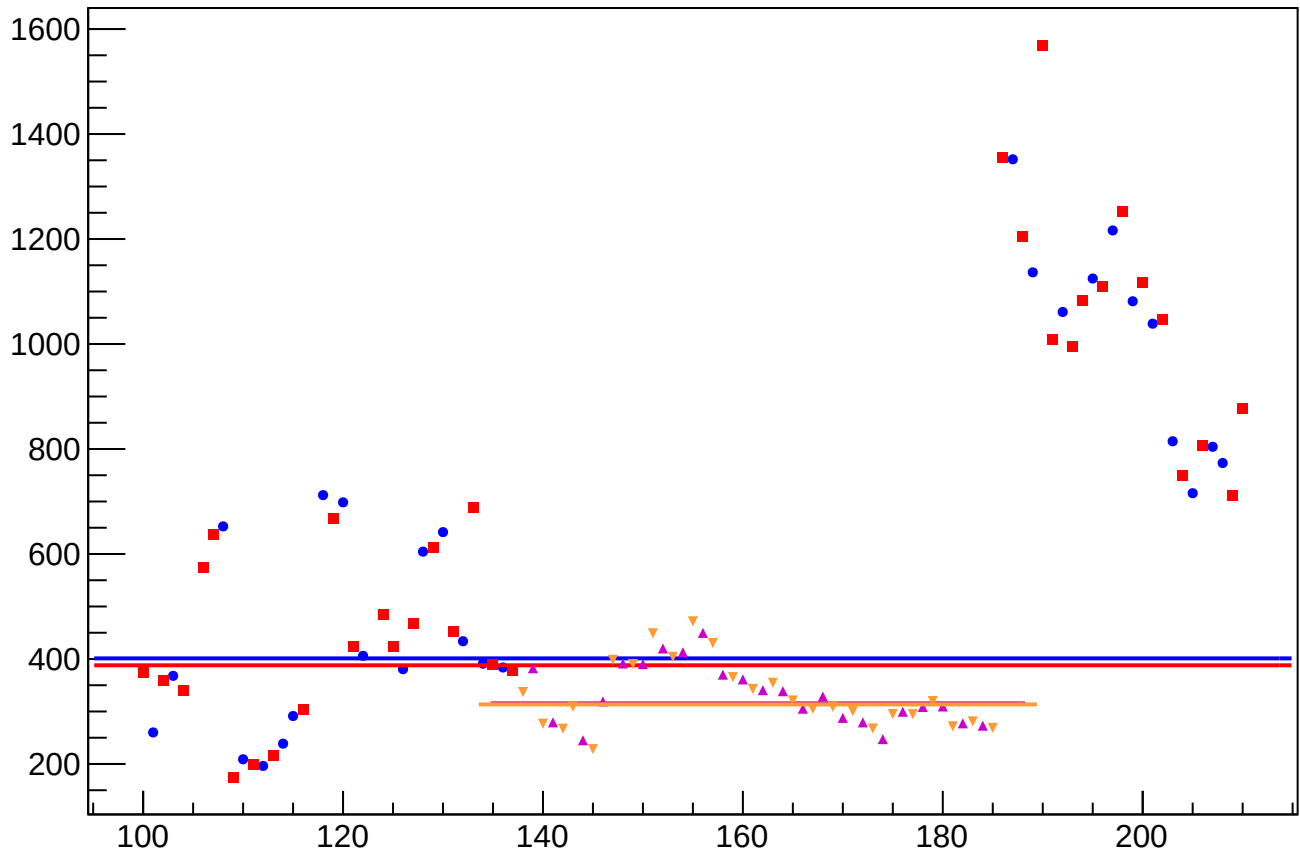
Left In: -46.569 ± 74.897 χ^2/NDF : 30.7/22

+ sign -270.332 ± 61.949 χ^2/NDF : 92.2/51

All: -197.254 ± 43.876 χ^2/NDF : 157.4/107

- sign -123.700 ± 62.150 χ^2/NDF : 62.4/55

asym_sam7_dit_correction_rms vs Slug



Right In: 401.141+/-0.084 χ^2/NDF : 8747099.9/26

Left Out: 313.500+/-0.051 χ^2/NDF :1175529.4/24

Right Out: 387.979+/-0.079 χ^2/NDF : 11596247.9/32

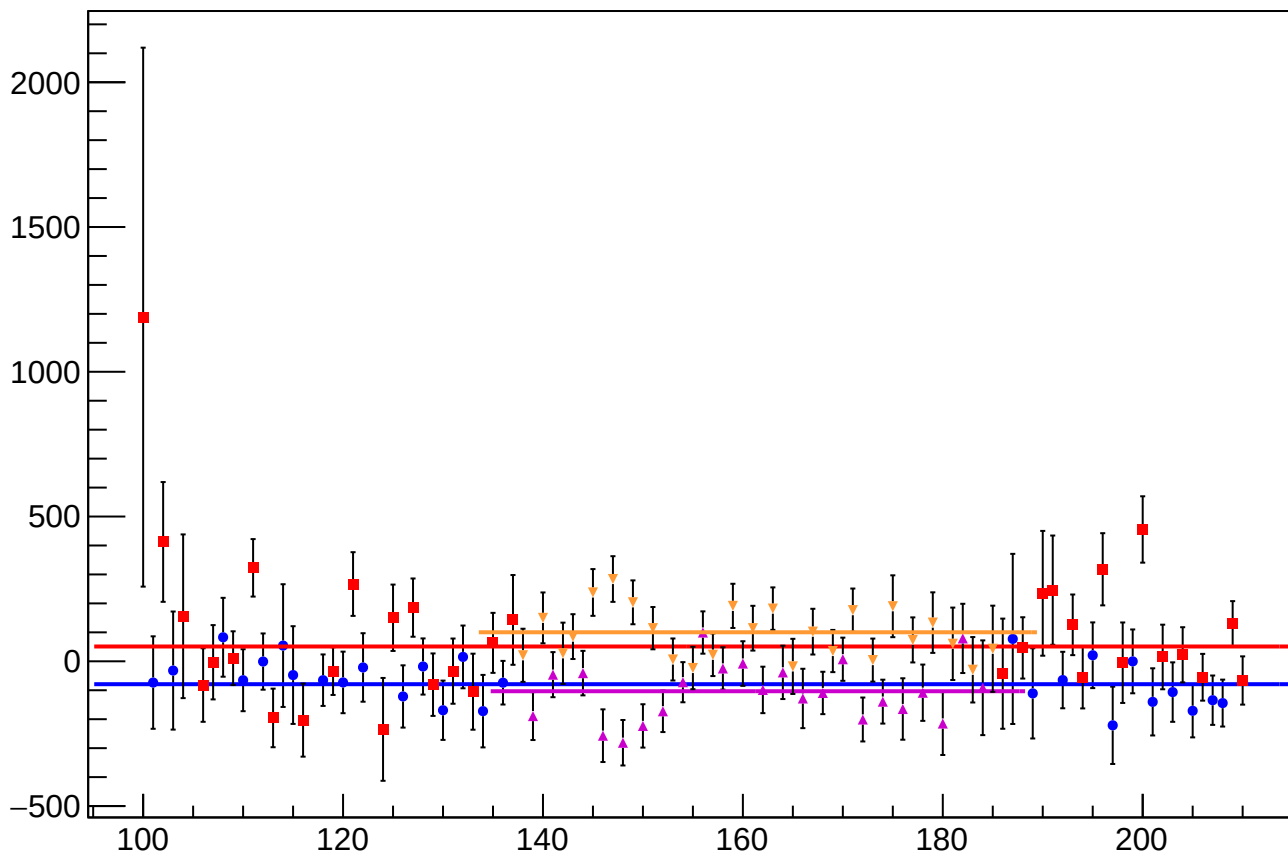
Left In: 315.455+/-0.053 χ^2/NDF :1008523.1/22

+ sign 337.220+/-0.044 χ^2/NDF : 10712779.0/51

All: 337.629+/-0.031 χ^2/NDF : 23901706.6/10

- sign 338.040+/-0.044 χ^2/NDF : 13188752.7/55

eigen_dit_asym_sam7_mean vs Slug



Right In: -79.068 ± 21.227 χ^2/NDF : 10.7/26

Left Out: 100.276 ± 16.625 χ^2/NDF : 27.7/24

Right Out: 51.136 ± 19.911 χ^2/NDF : 63.2/32

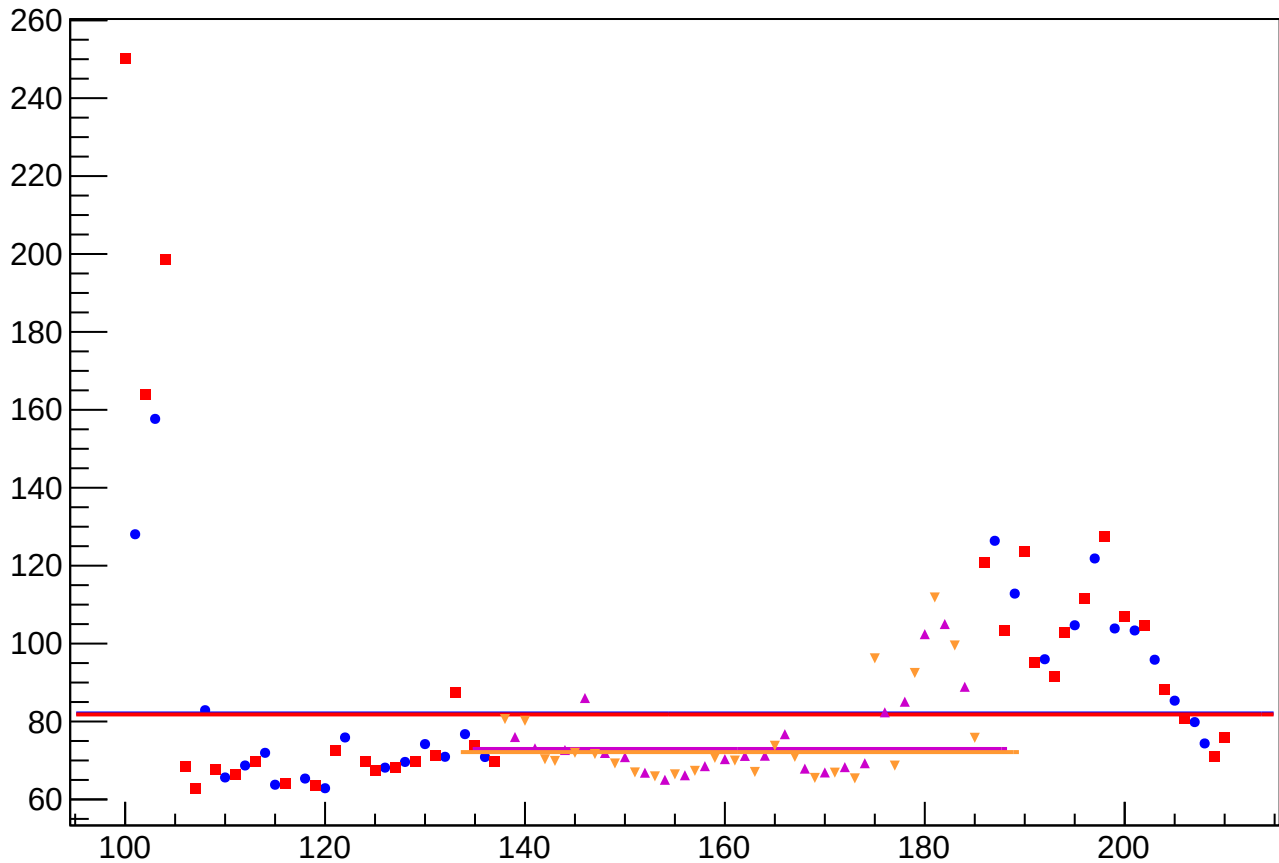
Left In: -103.363 ± 17.260 χ^2/NDF : 32.7/22

+ sign 32.091 ± 13.089 χ^2/NDF : 82.6/51

All: -2.614 ± 9.239 χ^2/NDF : 226.9/107

- sign -37.073 ± 13.042 χ^2/NDF : 130.3/55

eigen_dit_asym_sam7_rms vs Slug



Right In: 82.064 $\pm$ 0.015 χ^2 /NDF: 1467082.8/26

Left Out: 72.150 $\pm$ 0.012 χ^2 /NDF: 641967.4/24

Right Out: 81.813 $\pm$ 0.014 χ^2 /NDF: 2126944.8/32

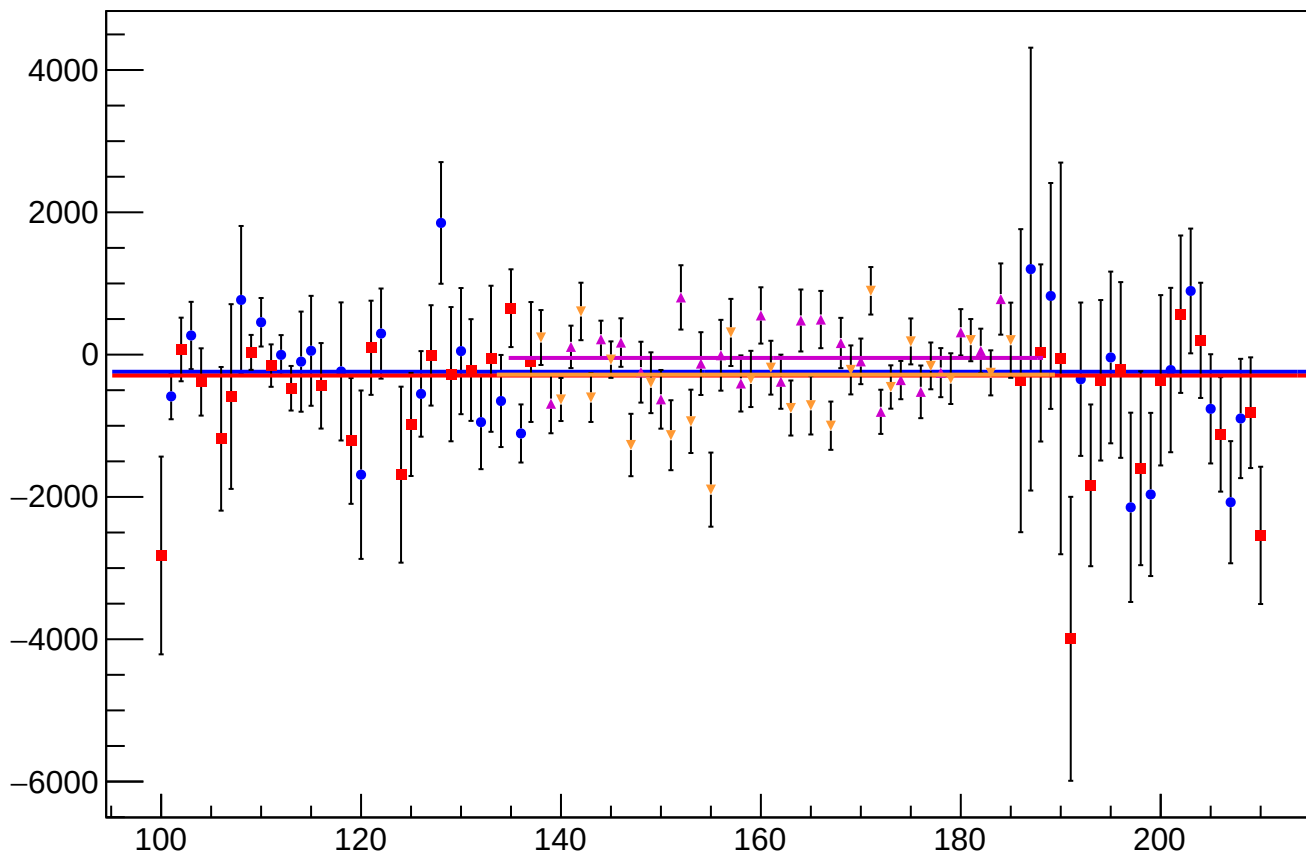
Left In: 72.948 $\pm$ 0.012 χ^2 /NDF: 509028.7/22

+ sign 75.919 $\pm$ 0.009 χ^2 /NDF: 2379472.0/51

All: 76.337 $\pm$ 0.007 χ^2 /NDF: 5245878.4/107

- sign 76.752 $\pm$ 0.009 χ^2 /NDF: 2862342.8/55

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -241.027 ± 119.078 χ^2/NDF : 35.3/26

Left Out: -281.205 ± 72.538 χ^2/NDF : 56.8/24

Right Out: -294.246 ± 111.371 χ^2/NDF : 28.3/32

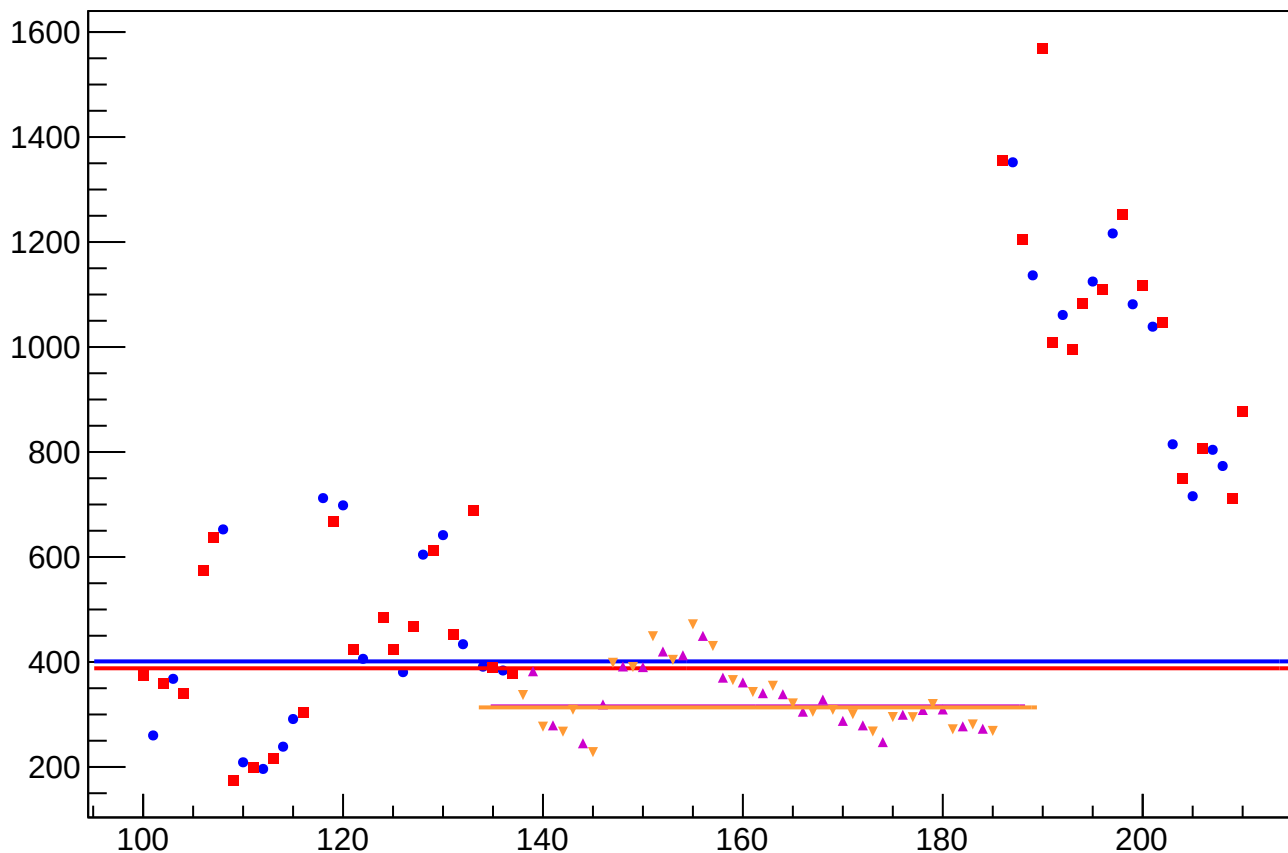
Left In: -46.569 ± 74.897 χ^2/NDF : 30.7/22

+ sign -270.331 ± 61.949 χ^2/NDF : 92.2/51

All: -197.253 ± 43.876 χ^2/NDF : 157.4/107

- sign -123.700 ± 62.150 χ^2/NDF : 62.4/55

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 401.138 $\pm$ 0.084 χ^2 /NDF: 8747189.7/26

Left Out: 313.500 $\pm$ 0.051 χ^2 /NDF: 1175534.8/24

Right Out: 387.977 $\pm$ 0.079 χ^2 /NDF: 11596305.5/32

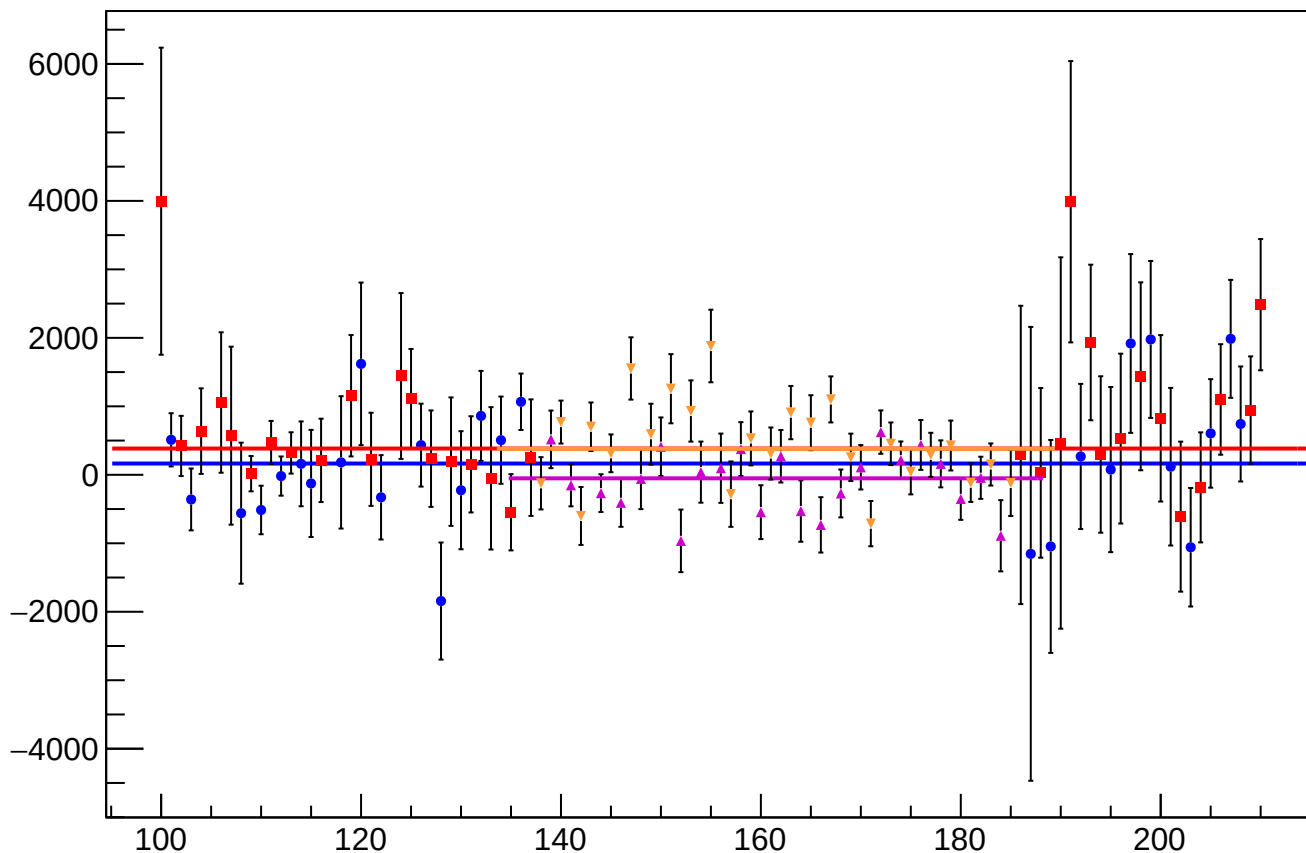
Left In: 315.456 $\pm$ 0.053 χ^2 /NDF: 1008521.8/22

+ sign 337.219 $\pm$ 0.044 χ^2 /NDF: 10712825.5/51

All: 337.628 $\pm$ 0.031 χ^2 /NDF: 23901776.6/10

- sign 338.040 $\pm$ 0.044 χ^2 /NDF: 13188776.1/55

asym_sam7_mean vs Slug



Right In: 164.609 $\pm$ 121.866 χ^2 /NDF: 33.4/26

Left Out: 380.624 $\pm$ 73.057 χ^2 /NDF:55.4/24

Right Out: 383.605 $\pm$ 114.412 χ^2 /NDF: 24.4/32

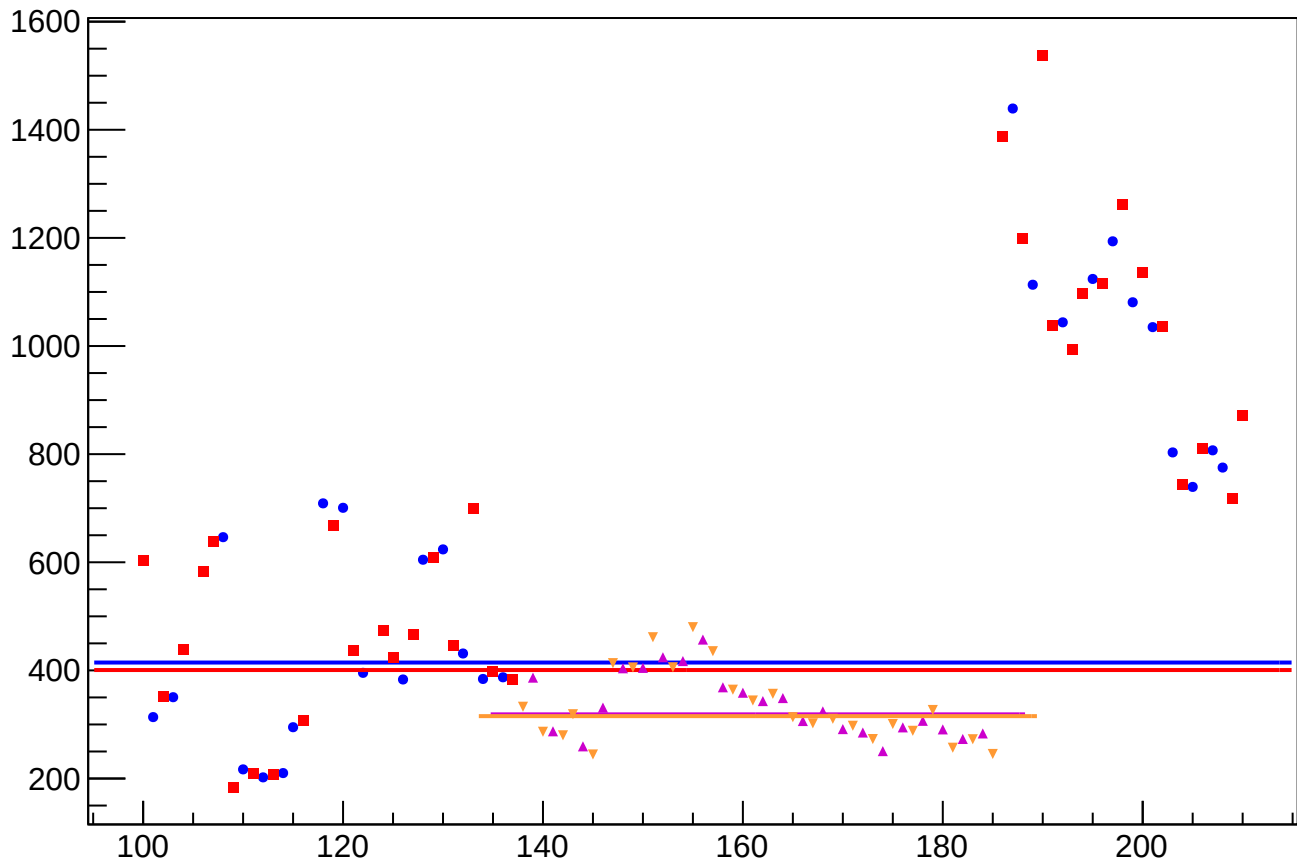
Left In: -51.474 $\pm$ 75.629 χ^2 /NDF:28.2/22

+ sign 323.516 $\pm$ 62.660 χ^2 /NDF: 91.2/51

All: 203.004 $\pm$ 44.459 χ^2 /NDF: 161.3/107

- sign 80.827 $\pm$ 63.091 χ^2 /NDF: 62.7/55

asym_sam7_rms vs Slug



Right In: 414.545 $\pm$ 0.086 χ^2 /NDF: 8294072.1/26

Left Out: 315.396 $\pm$ 0.052 χ^2 /NDF:1210106.0/24

Right Out: 400.665 $\pm$ 0.081 χ^2 /NDF: 11315605.5/32

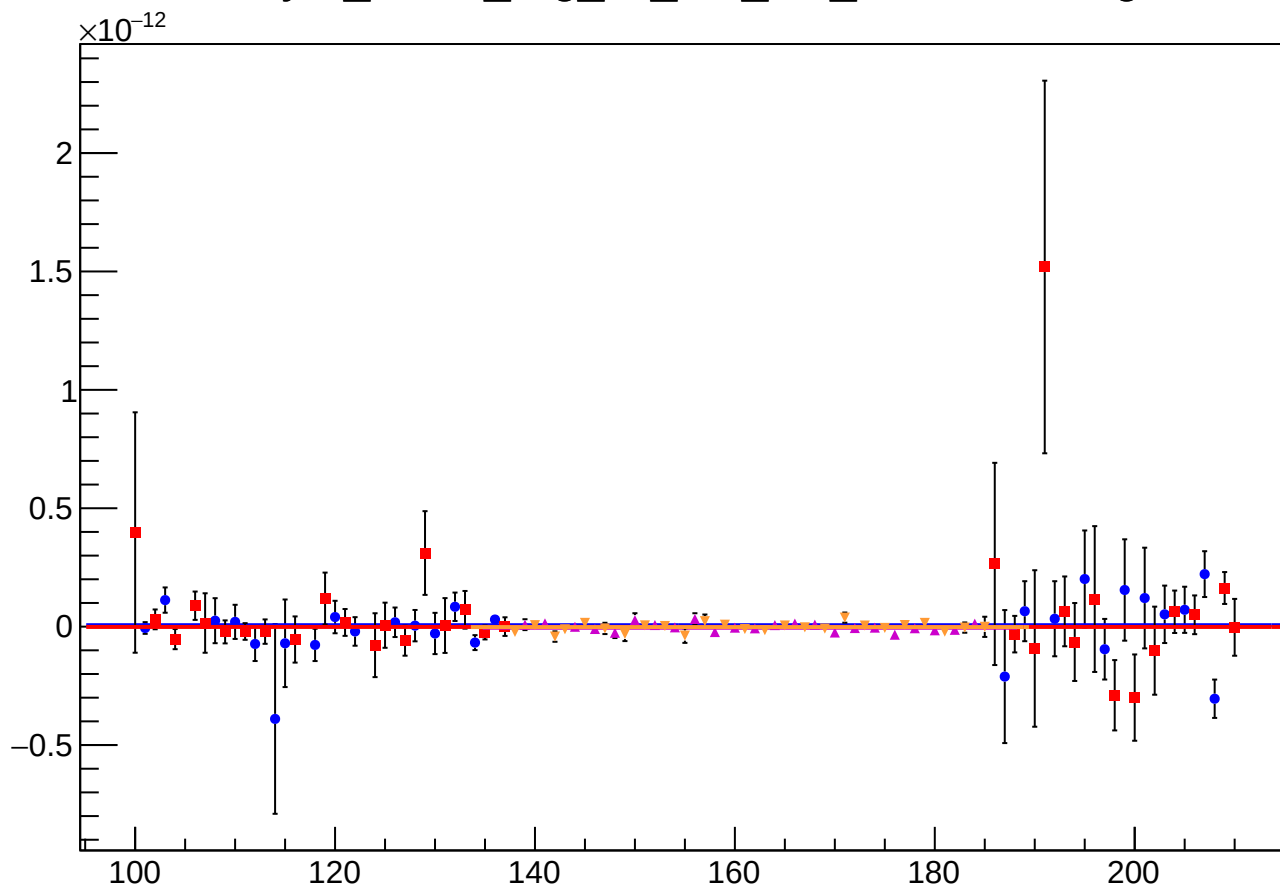
Left In: 318.688 $\pm$ 0.053 χ^2 /NDF:991604.7/22

+ sign 341.608 $\pm$ 0.044 χ^2 /NDF: 10478049.9/51

All: 342.605 $\pm$ 0.031 χ^2 /NDF: 23500818.4/10

- sign 343.616 $\pm$ 0.045 χ^2 /NDF: 13021748.0/55

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.2/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 31.4/32

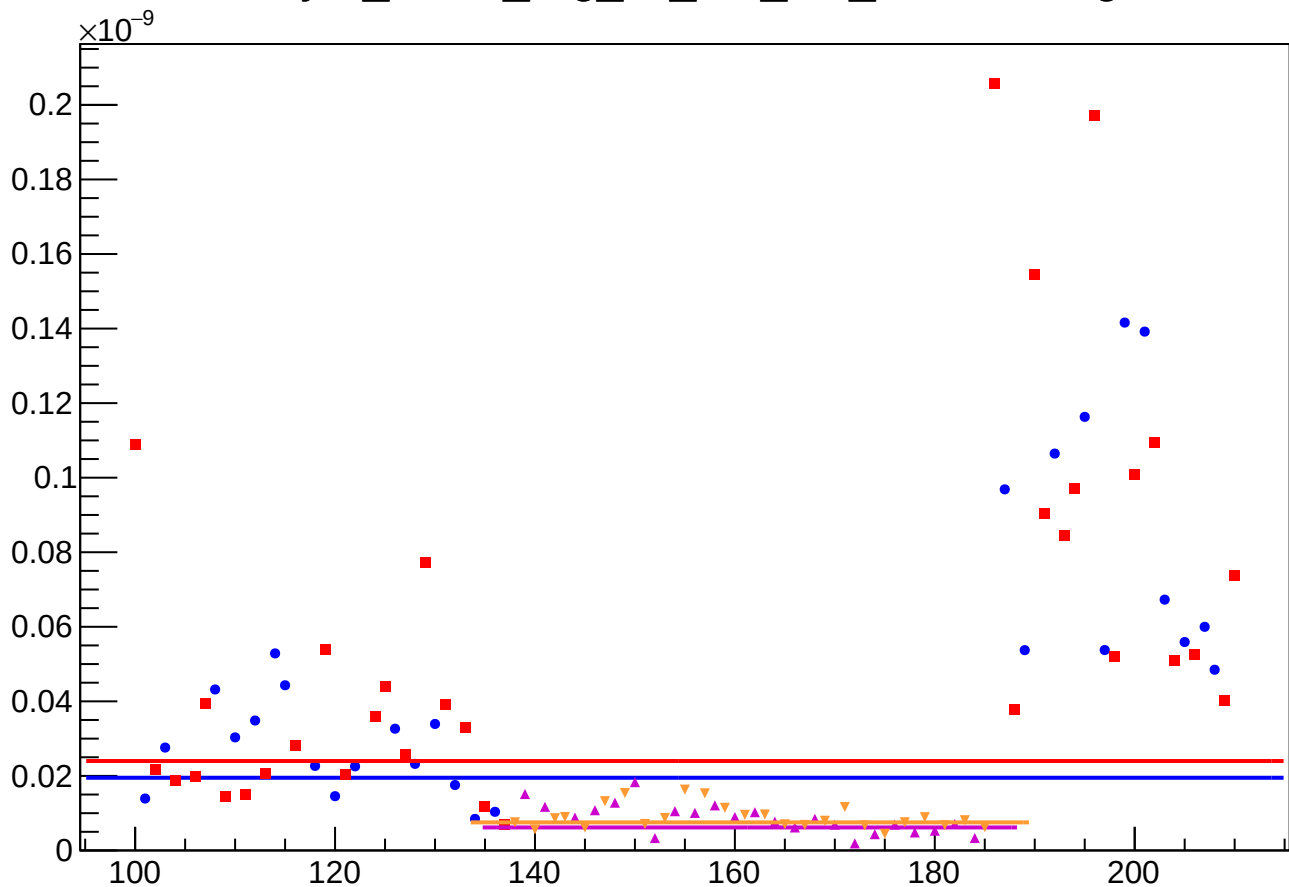
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 60.7/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 110.3/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 49.1/55

asym_sam7_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 5380973.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1208953.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5432289.0/32

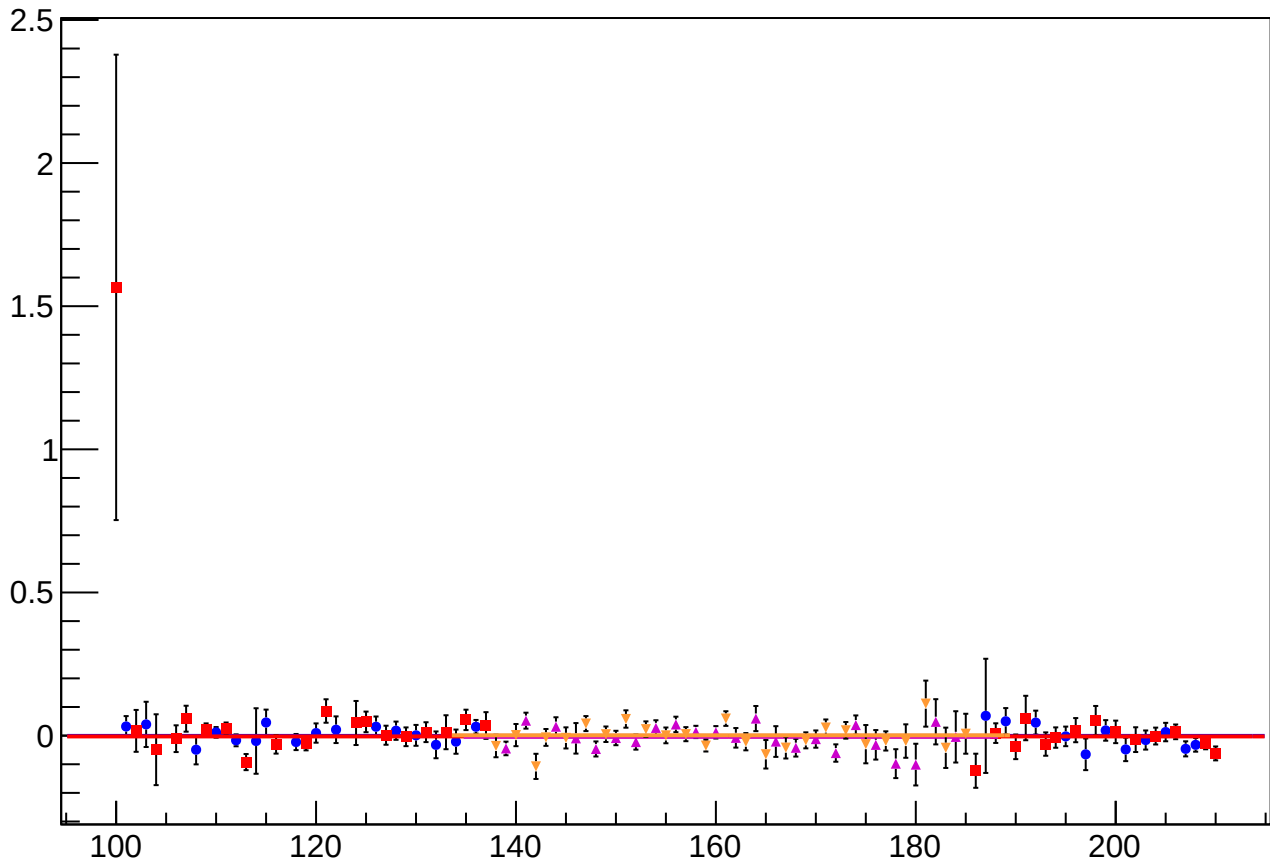
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2784673.9/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 8951346.4/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 21551206.1/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 12407430.6/55

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.006 χ^2/NDF : 19.1/26

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: -0.003 ± 0.006 χ^2/NDF : 47.0/32

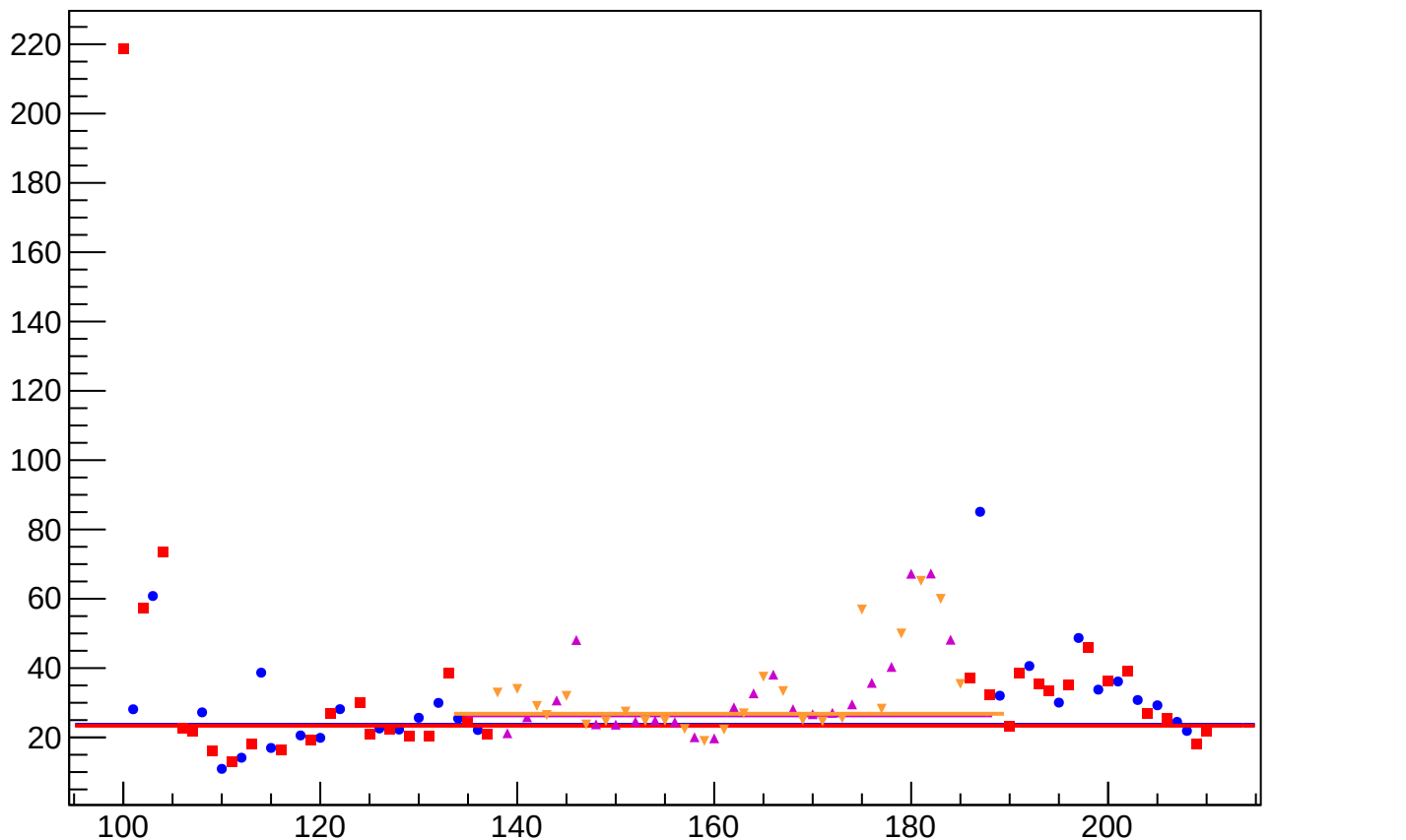
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign 0.000 ± 0.005 χ^2/NDF : 49.5/51

All: -0.002 ± 0.003 χ^2/NDF : 127.9/107

- sign -0.003 ± 0.004 χ^2/NDF : 78.2/55

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 23.627 $\pm$ 0.005 χ^2 /NDF: 3618573.0/26

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469807.6/24

Right Out: 23.391 $\pm$ 0.004 χ^2 /NDF: 3952586.9/32

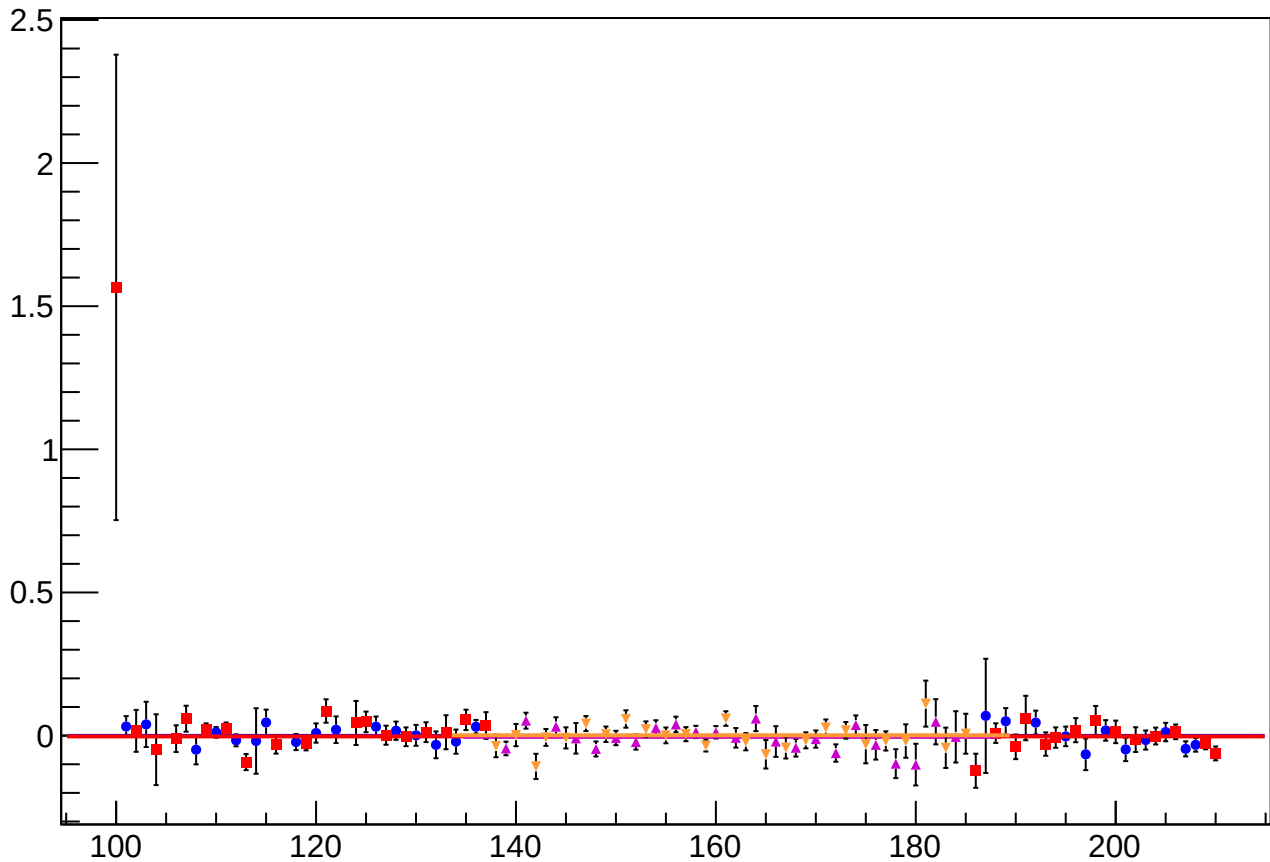
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566400.7/22

+ sign 25.225 $\pm$ 0.003 χ^2 /NDF: 6329901.2/51

All: 24.979 $\pm$ 0.002 χ^2 /NDF: 13083037.5/107

- sign 24.748 $\pm$ 0.003 χ^2 /NDF: 6741999.9/55

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.006 χ^2/NDF : 19.1/26

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: -0.003 ± 0.006 χ^2/NDF : 47.0/32

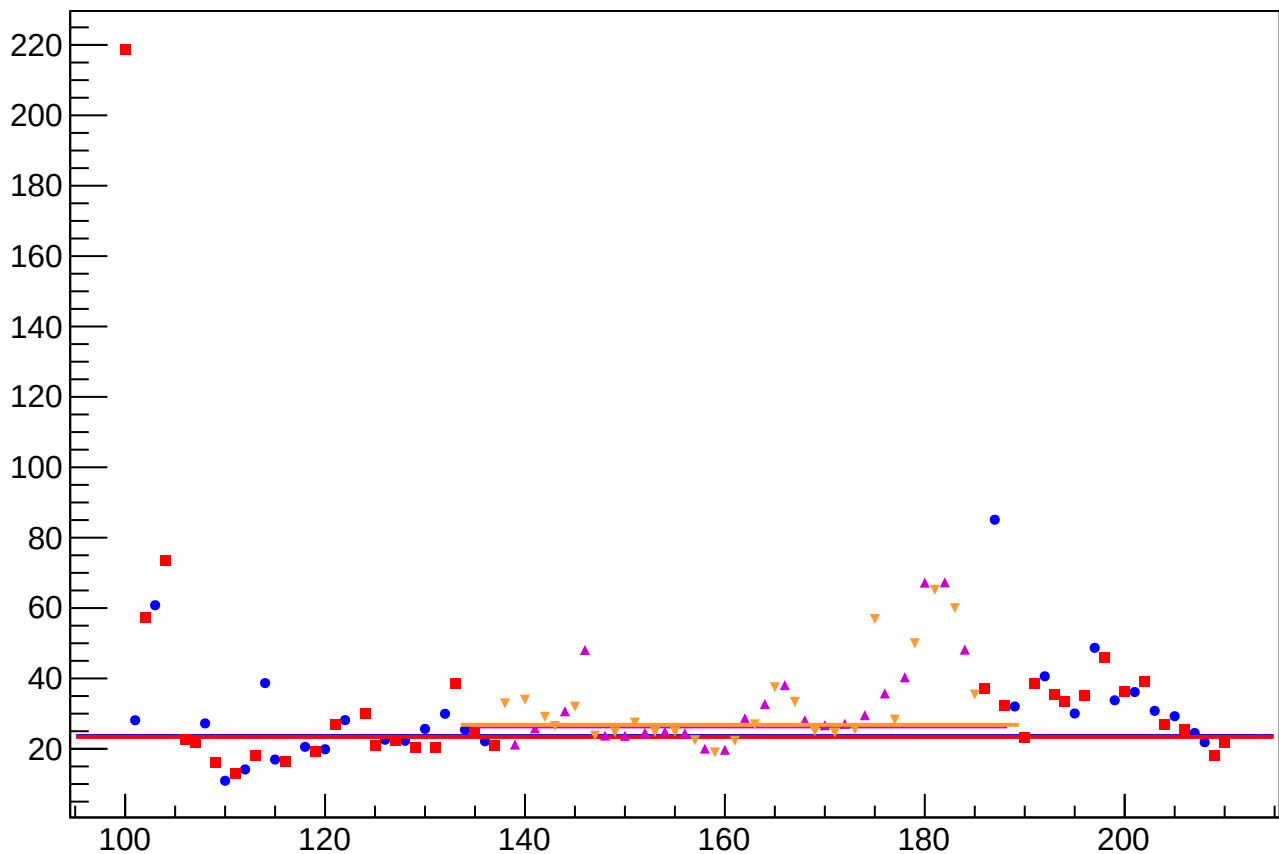
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign 0.000 ± 0.005 χ^2/NDF : 49.5/51

All: -0.002 ± 0.003 χ^2/NDF : 127.9/107

- sign -0.003 ± 0.004 χ^2/NDF : 78.2/55

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.627 $\pm$ 0.005 χ^2 /NDF: 3618573.0/26

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469807.6/24

Right Out: 23.391 $\pm$ 0.004 χ^2 /NDF: 3952586.9/32

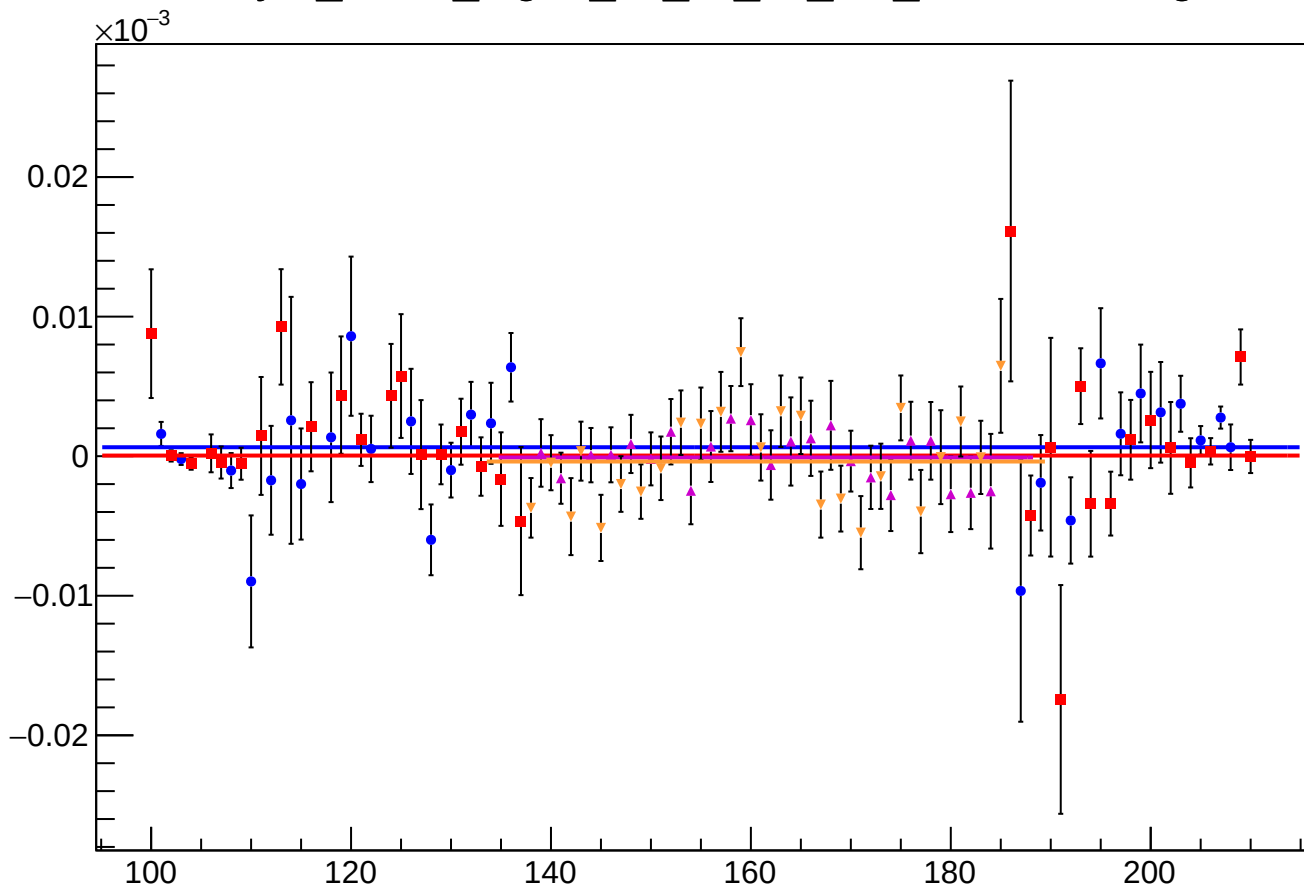
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566400.7/22

+ sign 25.225 $\pm$ 0.003 χ^2 /NDF: 6329901.2/51

All: 24.979 $\pm$ 0.002 χ^2 /NDF: 13083037.5/107

- sign 24.748 $\pm$ 0.003 χ^2 /NDF: 6741999.9/55

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 47.2/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 43.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 46.4/32

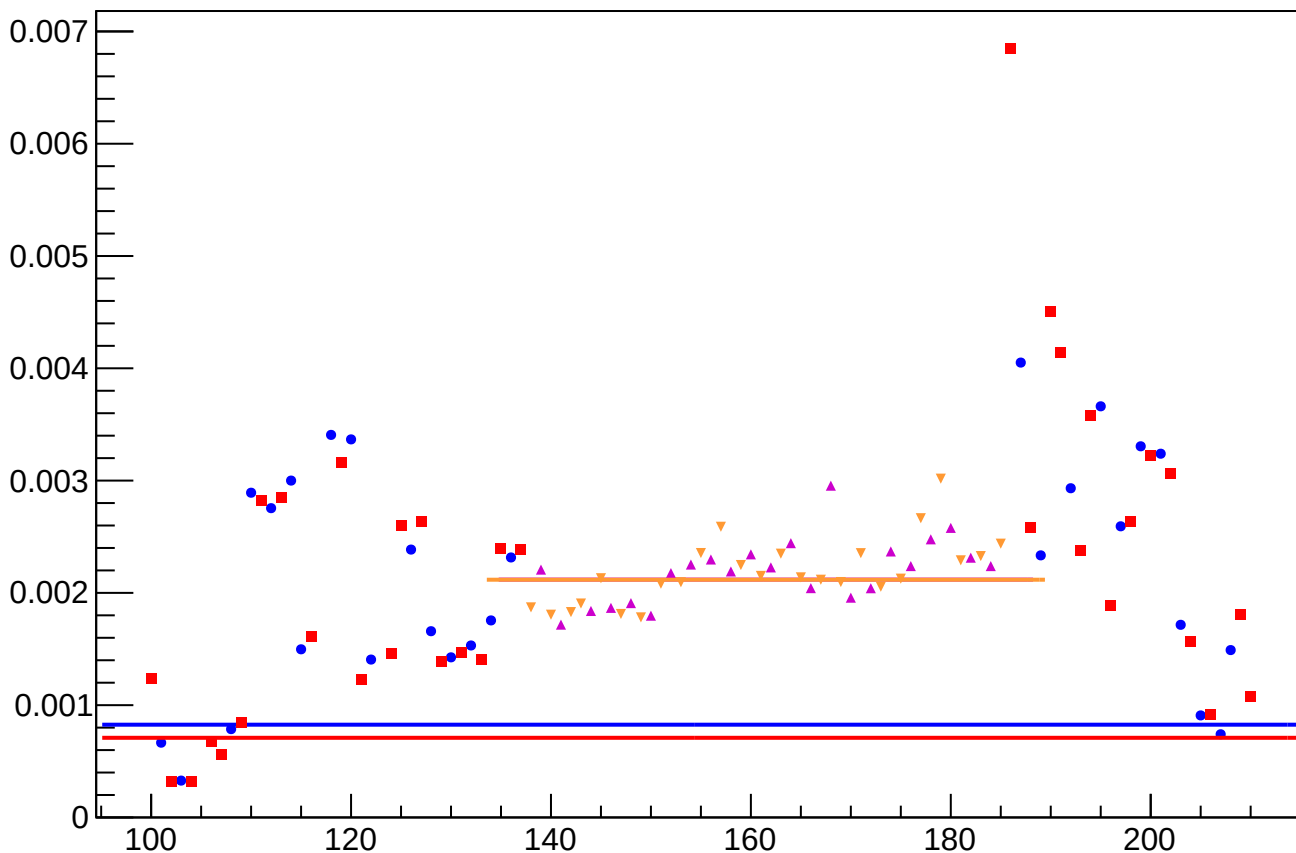
Left In: -0.000 ± 0.000 χ^2/NDF : 10.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 93.6/51

All: 0.000 ± 0.000 χ^2/NDF : 151.5/107

- sign 0.000 ± 0.000 χ^2/NDF : 56.6/55

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 12854126.7/26

Left Out: 0.002+/-0.000 χ^2/NDF : 578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF : 16843519.2/32

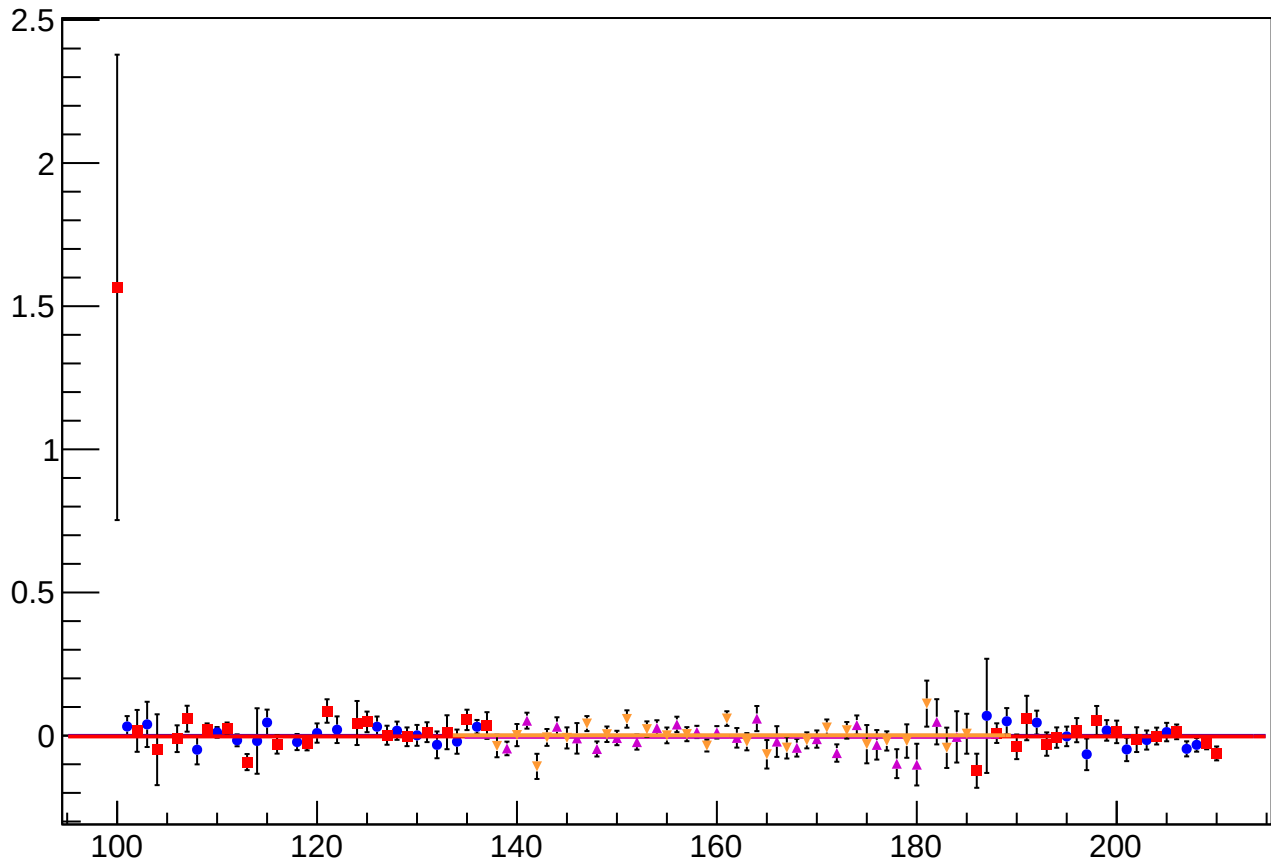
Left In: 0.002+/-0.000 χ^2/NDF : 588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF : 24005671.2/51

All: 0.001+/-0.000 χ^2/NDF : 55065704.5/107

- sign 0.001+/-0.000 χ^2/NDF : 30416937.4/55

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.007 χ^2/NDF : 19.1/26

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: -0.003 ± 0.006 χ^2/NDF : 47.0/32

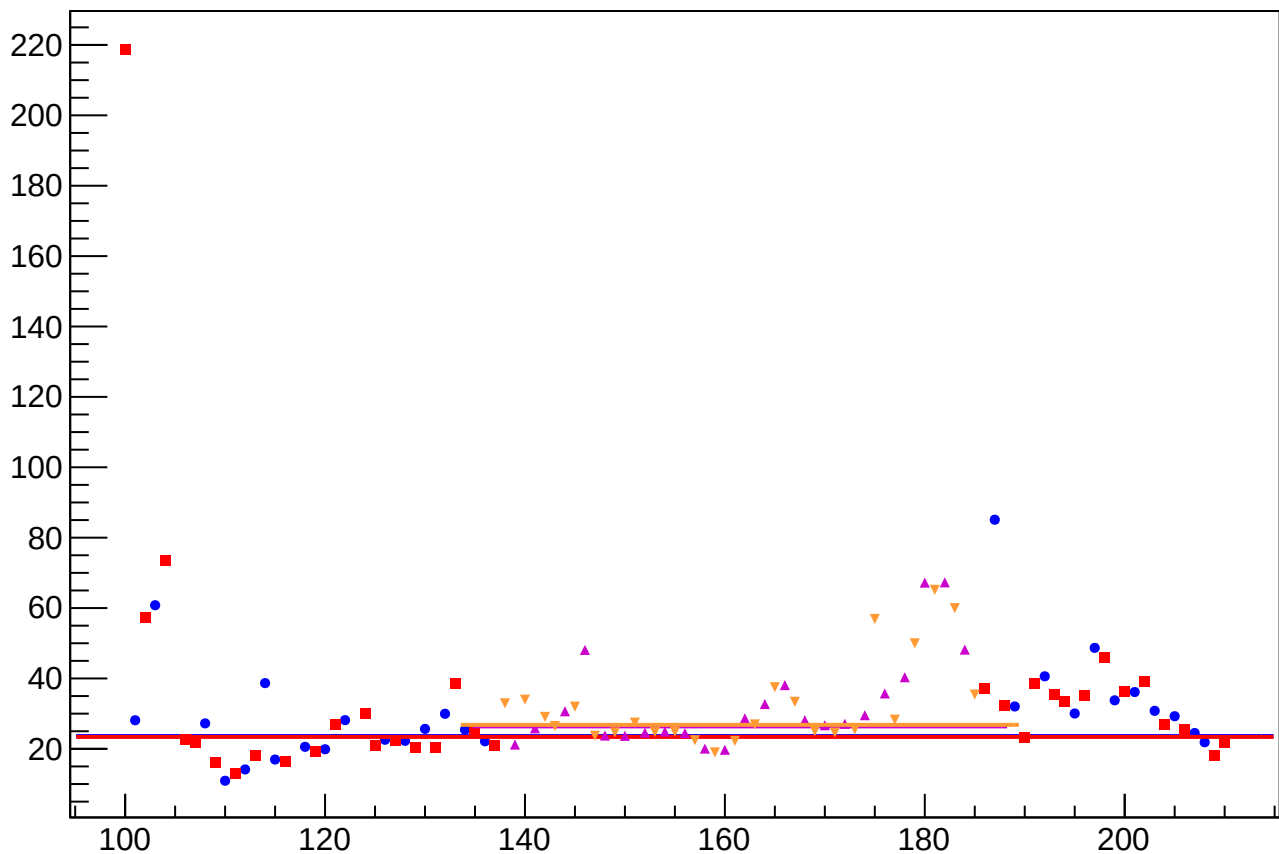
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign 0.000 ± 0.005 χ^2/NDF : 49.5/51

All: -0.002 ± 0.003 χ^2/NDF : 127.9/107

- sign -0.003 ± 0.004 χ^2/NDF : 78.1/55

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.628+/-0.005 χ^2/NDF : 3618300.4/26

Left Out: 26.820+/-0.005 χ^2/NDF : 2469855.0/24

Right Out: 23.391+/-0.004 χ^2/NDF : 3952385.7/32

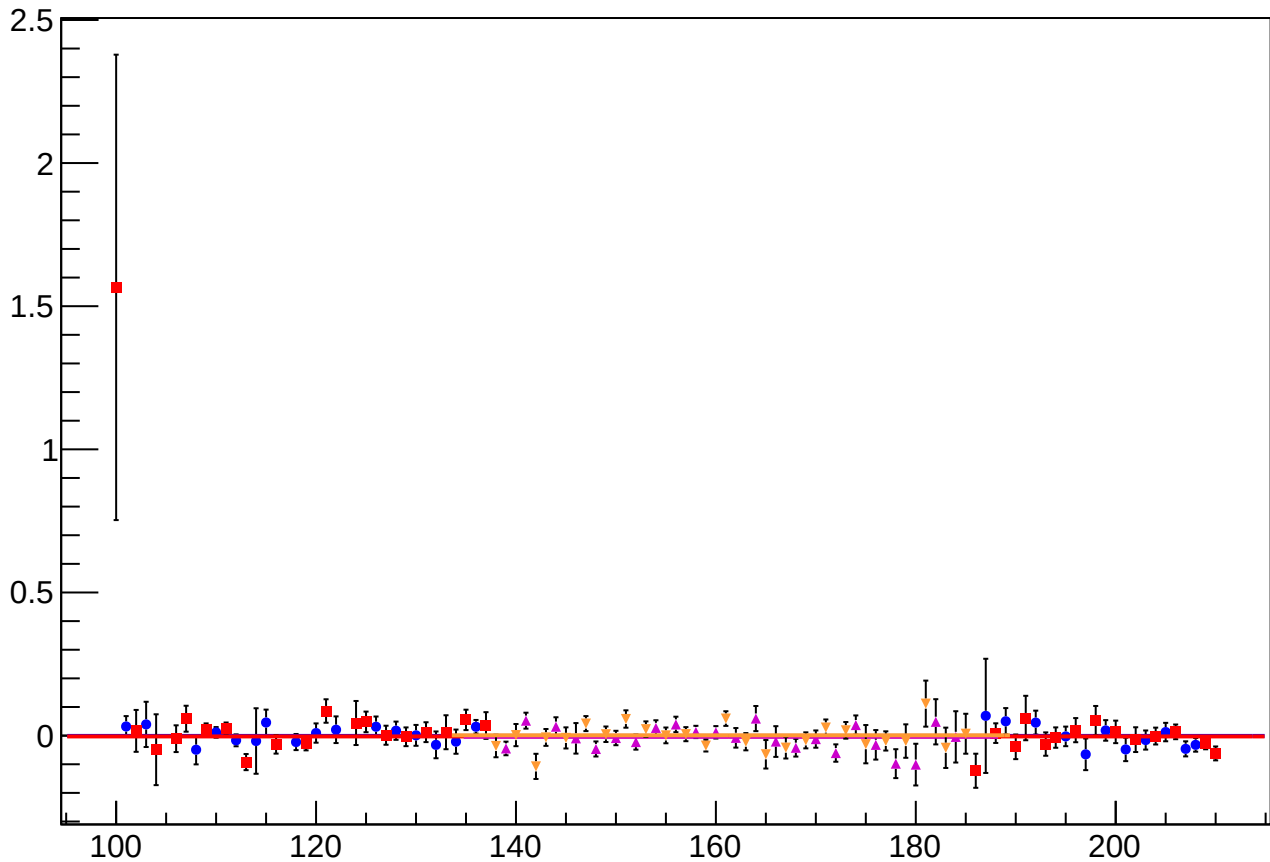
Left In: 26.376+/-0.005 χ^2/NDF : 2566477.5/22

+ sign 25.225+/-0.003 χ^2/NDF : 6329618.1/51

All: 24.979+/-0.002 χ^2/NDF : 13082634.4/107

- sign 24.748+/-0.003 χ^2/NDF : 6741870.0/55

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.007 χ^2/NDF : 19.1/26

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: -0.003 ± 0.006 χ^2/NDF : 47.0/32

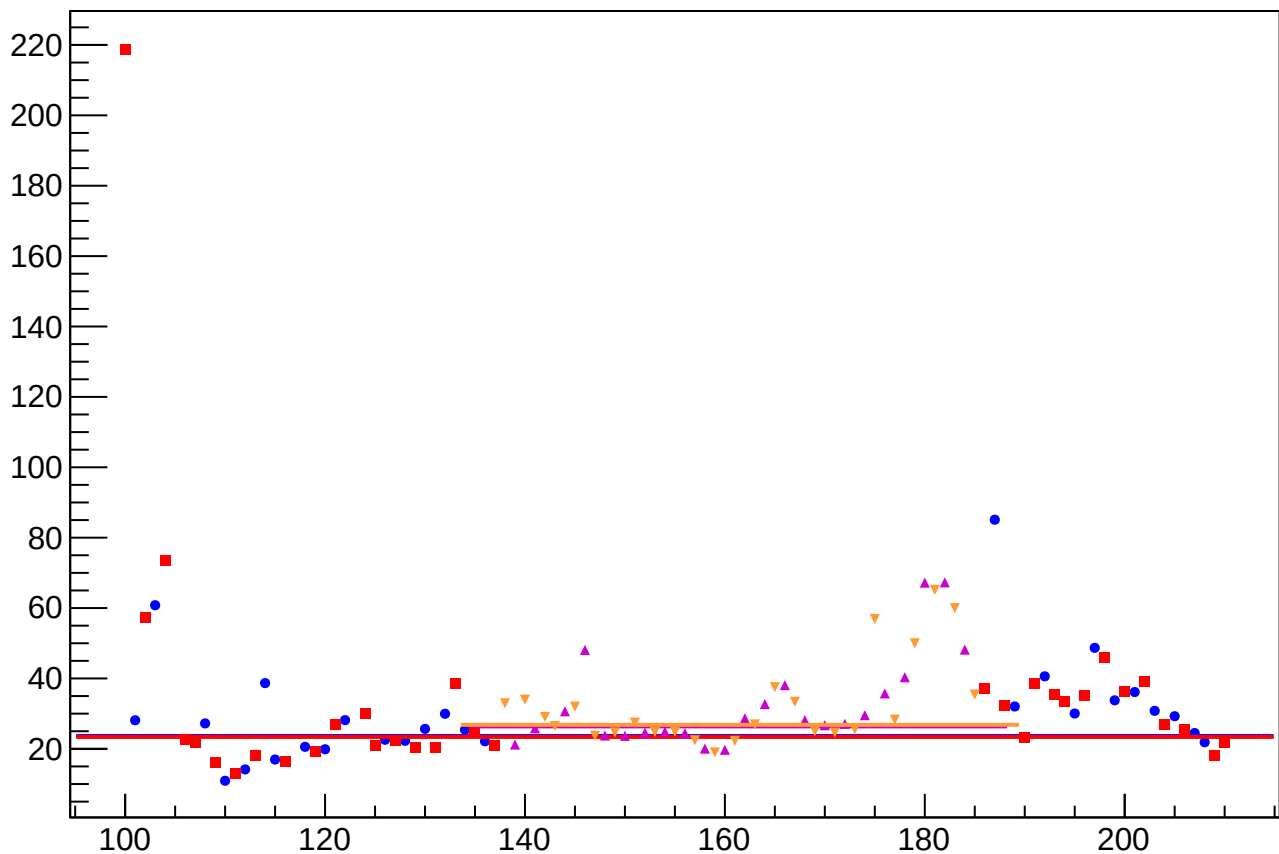
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign 0.000 ± 0.005 χ^2/NDF : 49.5/51

All: -0.002 ± 0.003 χ^2/NDF : 127.9/107

- sign -0.003 ± 0.004 χ^2/NDF : 78.1/55

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.628+/-0.005 χ^2/NDF : 3618300.4/26

Left Out: 26.820+/-0.005 χ^2/NDF : 2469855.0/24

Right Out: 23.391+/-0.004 χ^2/NDF : 3952385.7/32

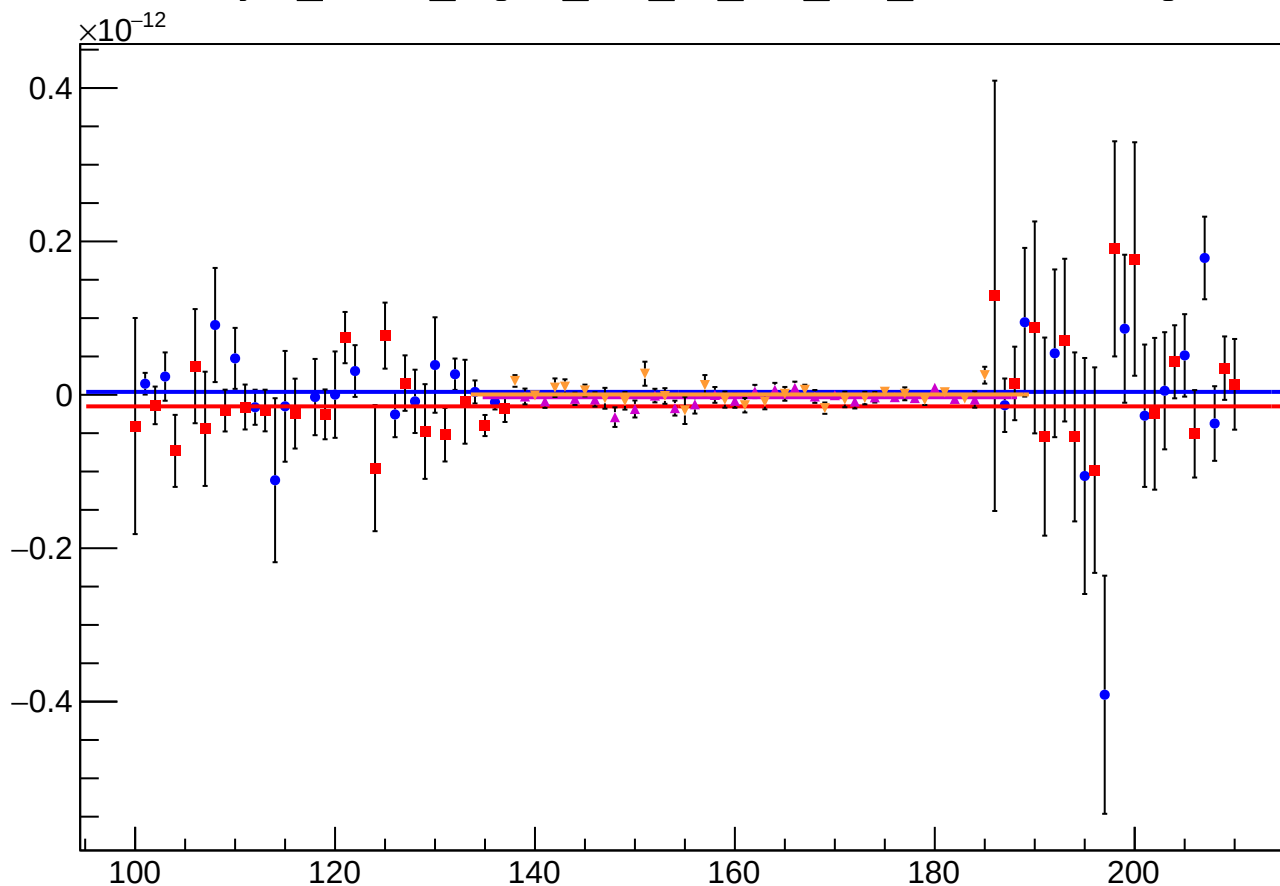
Left In: 26.376+/-0.005 χ^2/NDF : 2566477.5/22

+ sign 25.225+/-0.003 χ^2/NDF : 6329618.1/51

All: 24.979+/-0.002 χ^2/NDF : 13082634.4/107

- sign 24.748+/-0.003 χ^2/NDF : 6741870.0/55

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 32.1/26

Left Out: 0.000+/-0.000 χ^2/NDF : 32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF : 30.4/32

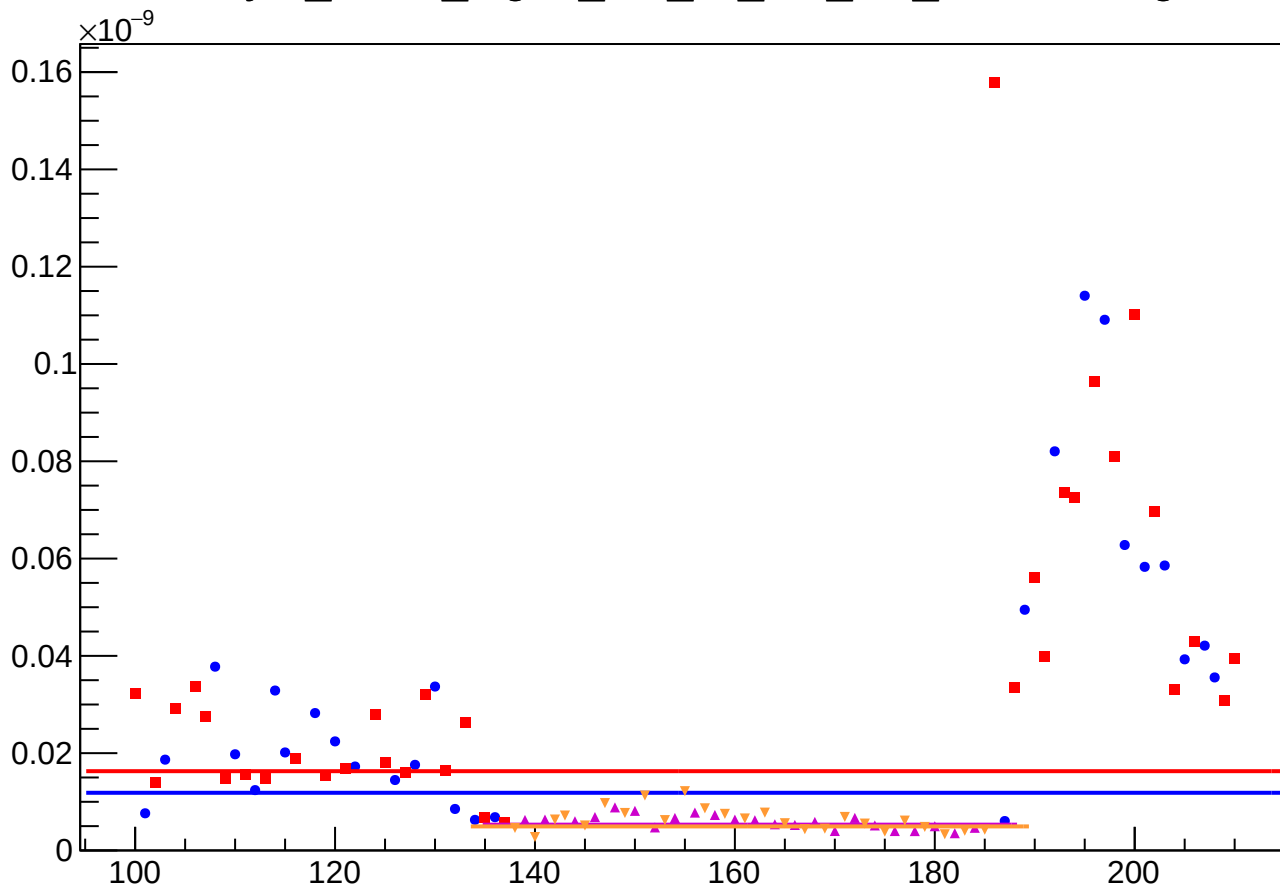
Left In: -0.000+/-0.000 χ^2/NDF : 19.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 65.0/51

All: -0.000+/-0.000 χ^2/NDF : 121.9/107

- sign -0.000+/-0.000 χ^2/NDF : 52.5/55

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8511588.6/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8121035.2/32

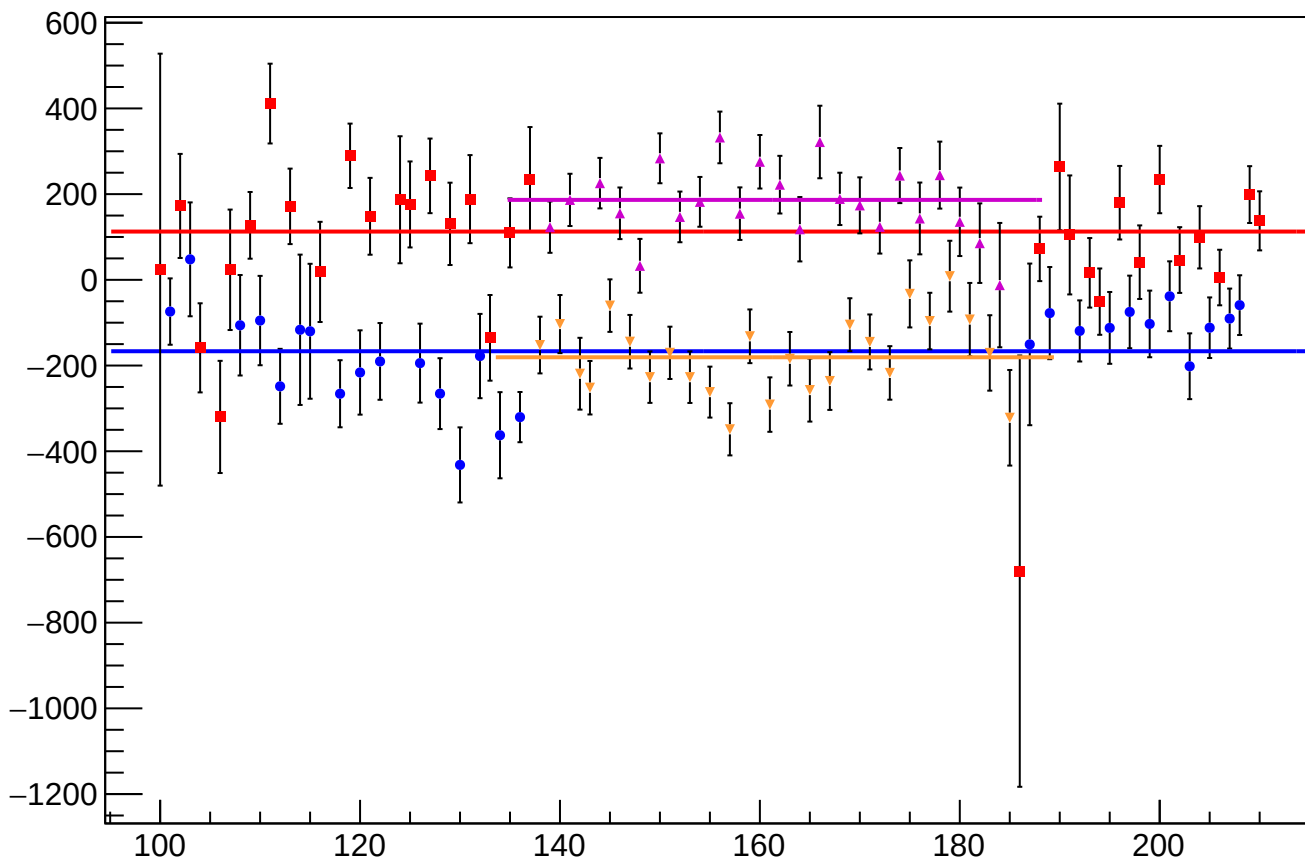
Left In: 0.000+/-0.000 χ^2/NDF : 1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 14197446.4/51

All: 0.000+/-0.000 χ^2/NDF : 28821894.6/107

- sign 0.000+/-0.000 χ^2/NDF : 14524915.4/55

reg_asym_sam8_mean vs Slug



Right In: -166.612 ± 16.761 χ^2/NDF : 39.4/26

Left Out: -180.685 ± 13.419 χ^2/NDF : 38.6/24

Right Out: 112.645 ± 15.961 χ^2/NDF : 64.9/32

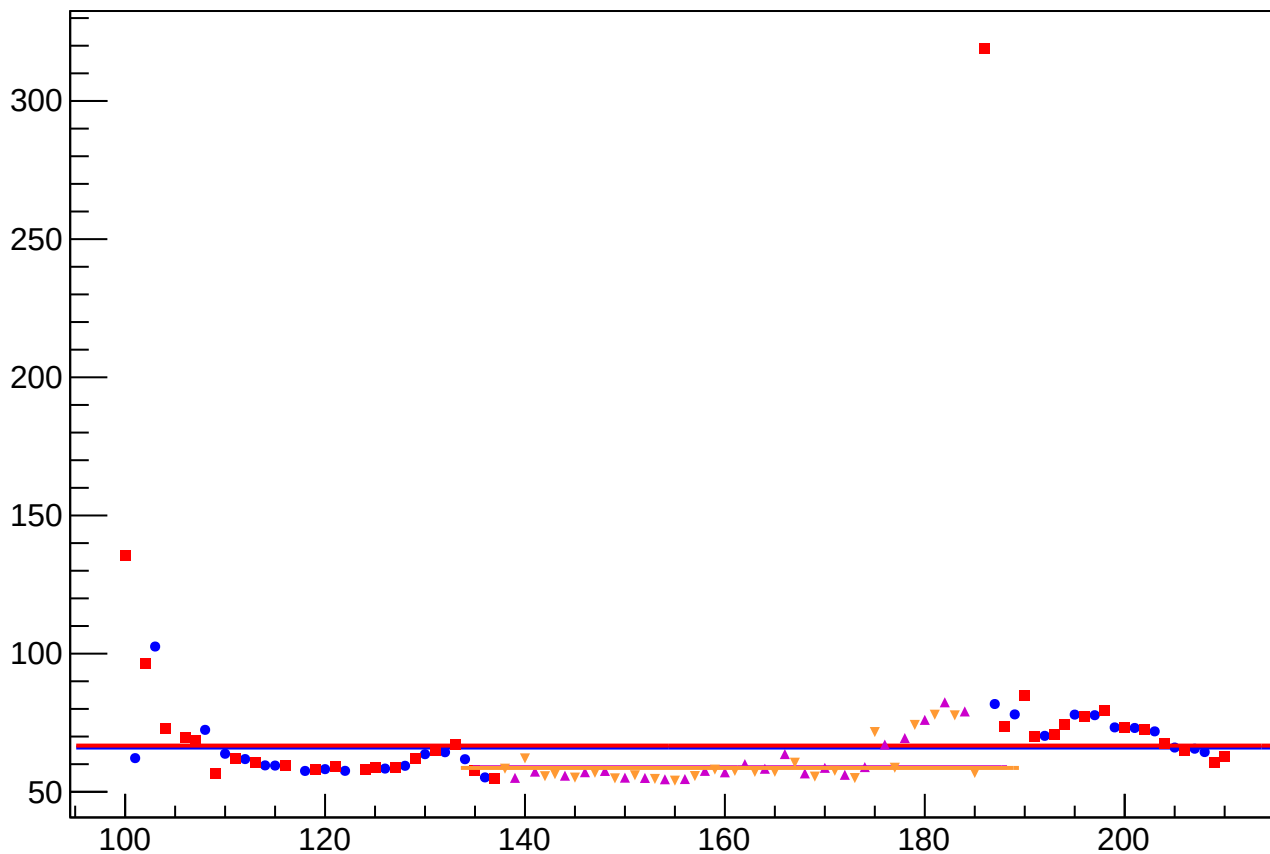
Left In: 186.567 ± 13.860 χ^2/NDF : 29.0/22

+ sign -175.189 ± 10.475 χ^2/NDF : 78.4/51

All: -10.037 ± 7.403 χ^2/NDF : 681.2/107

- sign 154.789 ± 10.465 χ^2/NDF : 106.1/55

reg_asym_sam8_rms vs Slug



Right In: 66.021 $\pm$ 0.012 χ^2 /NDF: 497634.1/26

Left Out: 58.644 $\pm$ 0.009 χ^2 /NDF: 393880.8/24

Right Out: 66.727 $\pm$ 0.011 χ^2 /NDF: 1046380.2/32

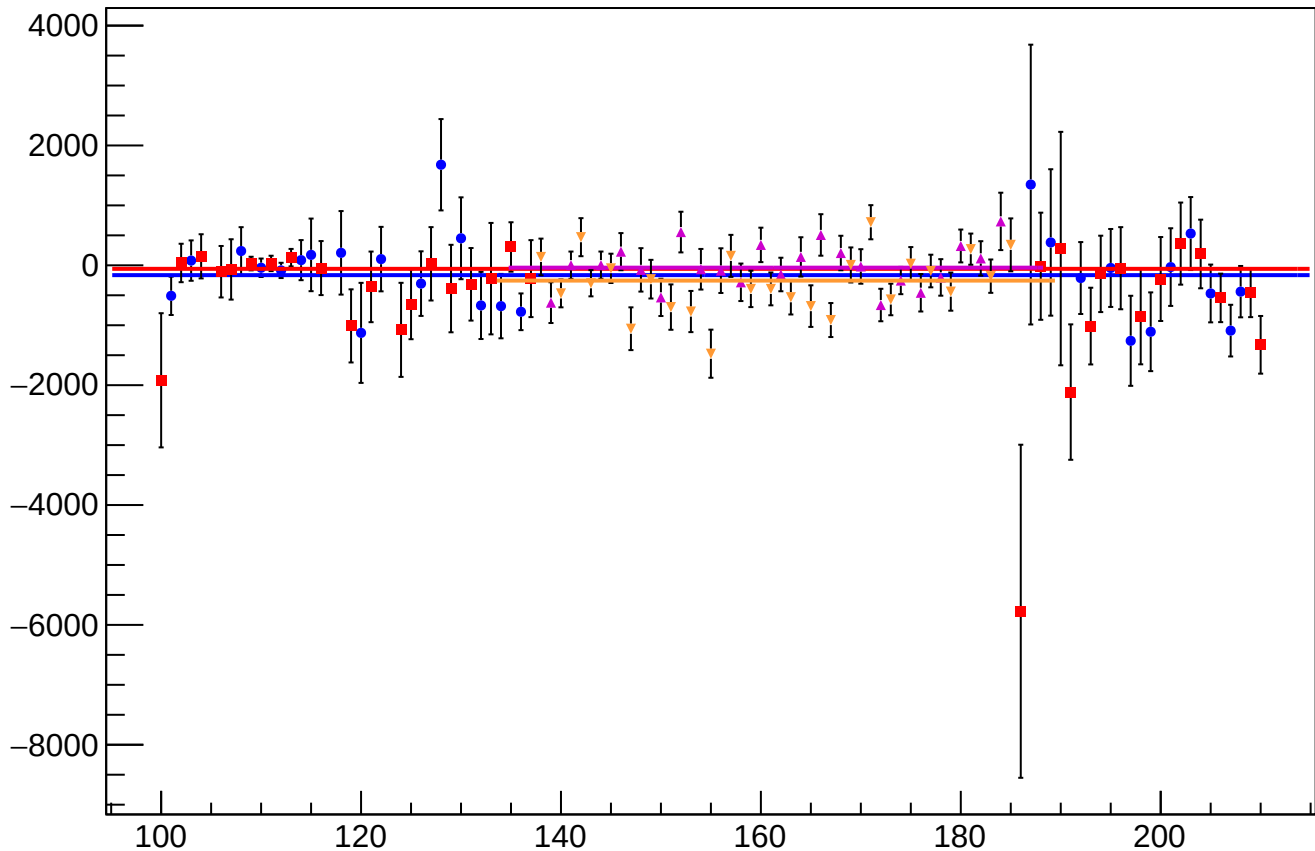
Left In: 58.906 $\pm$ 0.010 χ^2 /NDF: 386820.4/22

+ sign 61.525 $\pm$ 0.007 χ^2 /NDF: 1127584.0/51

All: 61.897 $\pm$ 0.005 χ^2 /NDF: 2839560.3/107

- sign 62.268 $\pm$ 0.007 χ^2 /NDF: 1706939.4/55

asym_sam8_reg_correction_mean vs Slug



Right In: -163.830 ± 70.280 χ^2/NDF : 30.5/26

Left Out: -254.628 ± 58.877 χ^2/NDF : 57.6/24

Right Out: -58.625 ± 59.821 χ^2/NDF : 33.4/32

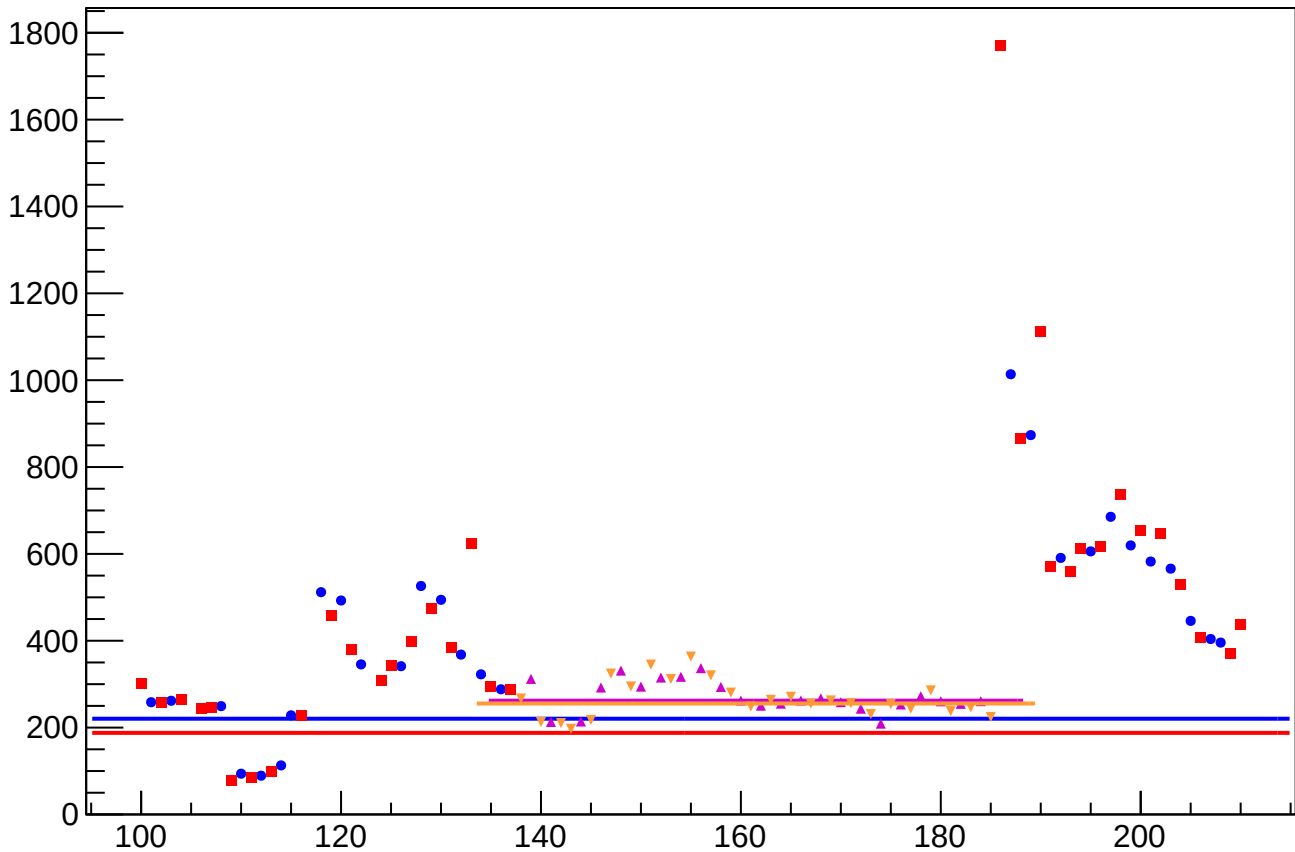
Left In: -39.147 ± 61.883 χ^2/NDF : 28.3/22

+ sign -217.184 ± 45.132 χ^2/NDF : 89.2/51

All: -129.159 ± 31.136 χ^2/NDF : 158.2/107

- sign -49.216 ± 43.010 χ^2/NDF : 61.8/55

asym_sam8_reg_correction_rms vs Slug



Right In: 220.466+/-0.050 χ^2/NDF : 11651773.8/26

Left Out: 255.469+/-0.042 χ^2/NDF : 863866.8/24

Right Out: 187.882+/-0.042 χ^2/NDF : 16082543.1/32

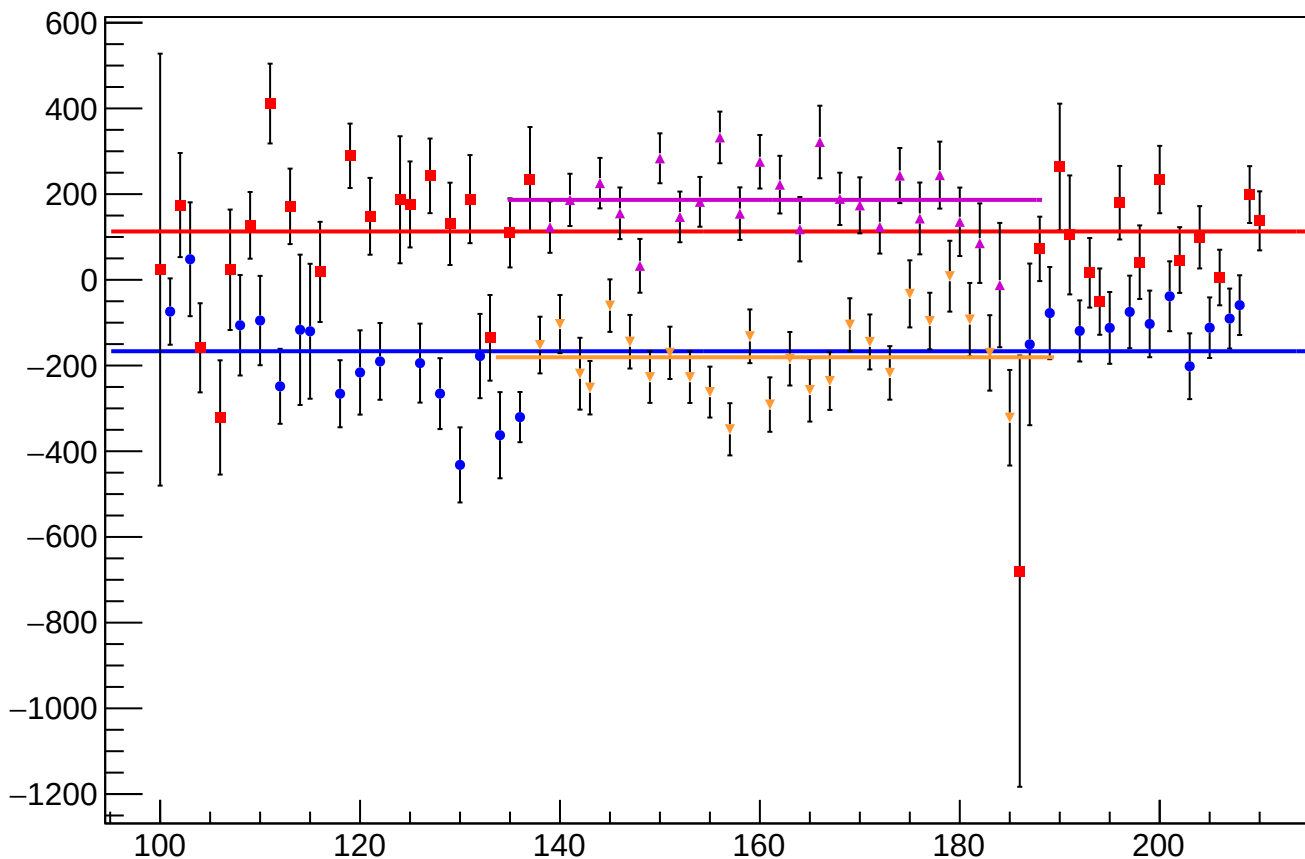
Left In: 262.007+/-0.044 χ^2/NDF : 670576.2/22

+ sign 241.034+/-0.032 χ^2/NDF : 12807171.1/51

All: 231.944+/-0.022 χ^2/NDF : 31198488.8/10

- sign 223.689+/-0.030 χ^2/NDF : 18236514.0/55

cor_asym_sam8_mean vs Slug



Right In: -166.613 ± 16.761 $\chi^2/\text{NDF}: 39.4/26$

Left Out: -180.680 ± 13.419 $\chi^2/\text{NDF}: 38.6/24$

Right Out: 112.894 ± 15.965 $\chi^2/\text{NDF}: 64.6/32$

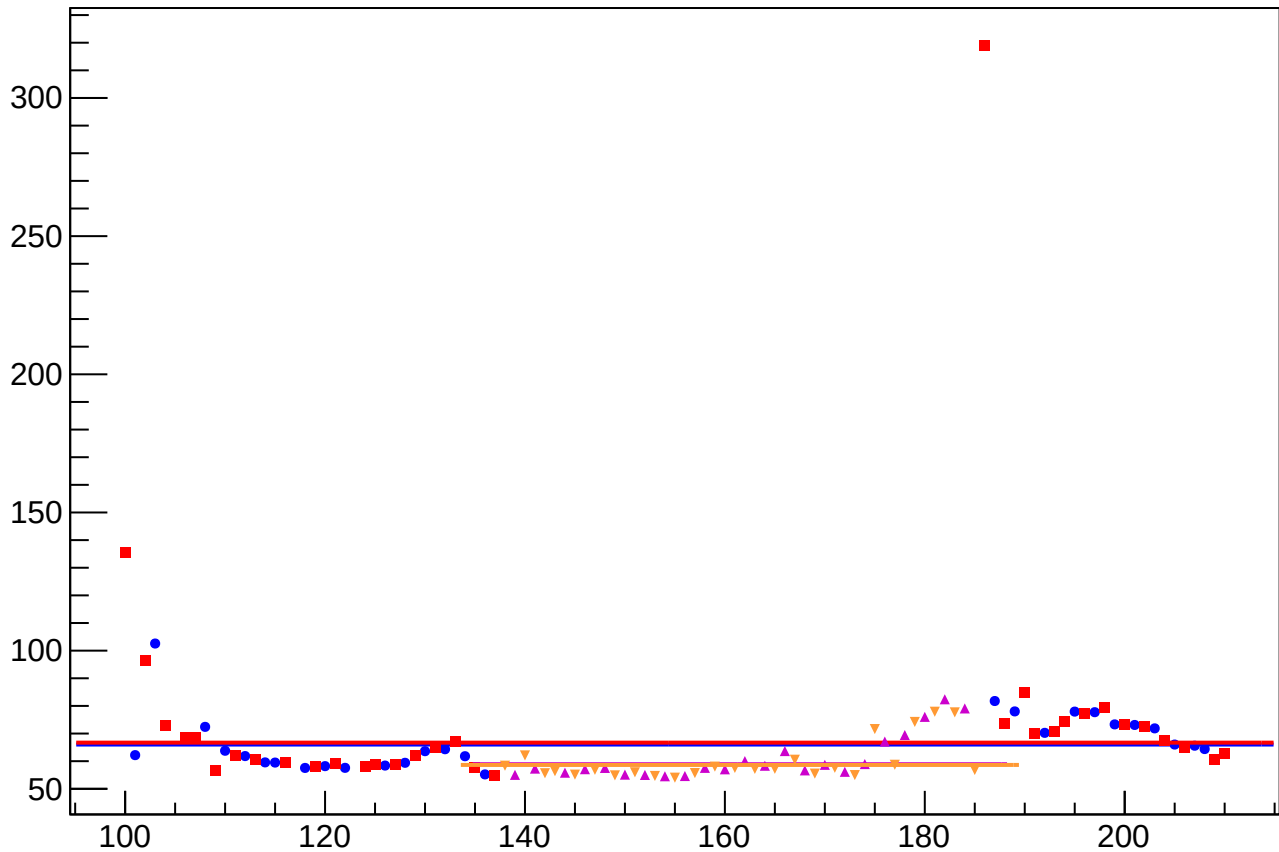
Left In: 186.567 ± 13.860 $\chi^2/\text{NDF}: 29.0/22$

+ sign -175.186 ± 10.475 $\chi^2/\text{NDF}: 78.4/51$

All: -9.996 ± 7.404 $\chi^2/\text{NDF}: 681.1/107$

- sign 154.906 ± 10.466 $\chi^2/\text{NDF}: 105.7/55$

cor_asym_sam8_rms vs Slug



Right In: 66.021 $\pm$ 0.012 χ^2 /NDF: 497636.5/26

Left Out: 58.644 $\pm$ 0.009 χ^2 /NDF: 393880.8/24

Right Out: 66.709 $\pm$ 0.011 χ^2 /NDF: 1045927.5/32

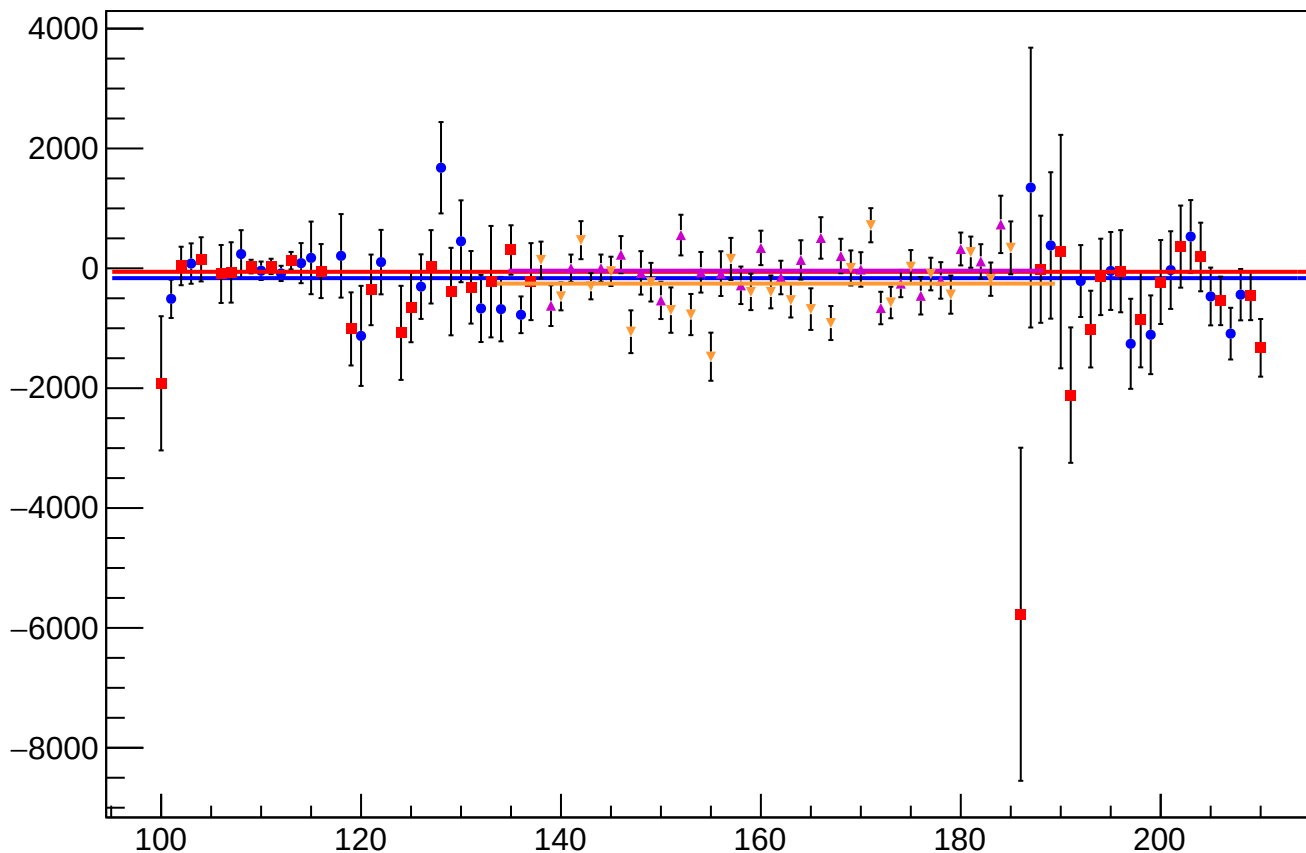
Left In: 58.906 $\pm$ 0.010 χ^2 /NDF: 386820.4/22

+ sign 61.525 $\pm$ 0.007 χ^2 /NDF: 1127586.6/51

All: 61.892 $\pm$ 0.005 χ^2 /NDF: 2837642.8/107

- sign 62.259 $\pm$ 0.007 χ^2 /NDF: 1705138.7/55

asym_sam8_cor_correction_mean vs Slug



Right In: -163.816 ± 70.281 χ^2/NDF : 30.5/26

Left Out: -254.625 ± 58.877 χ^2/NDF : 57.6/24

Right Out: -58.258 ± 59.946 χ^2/NDF : 33.4/32

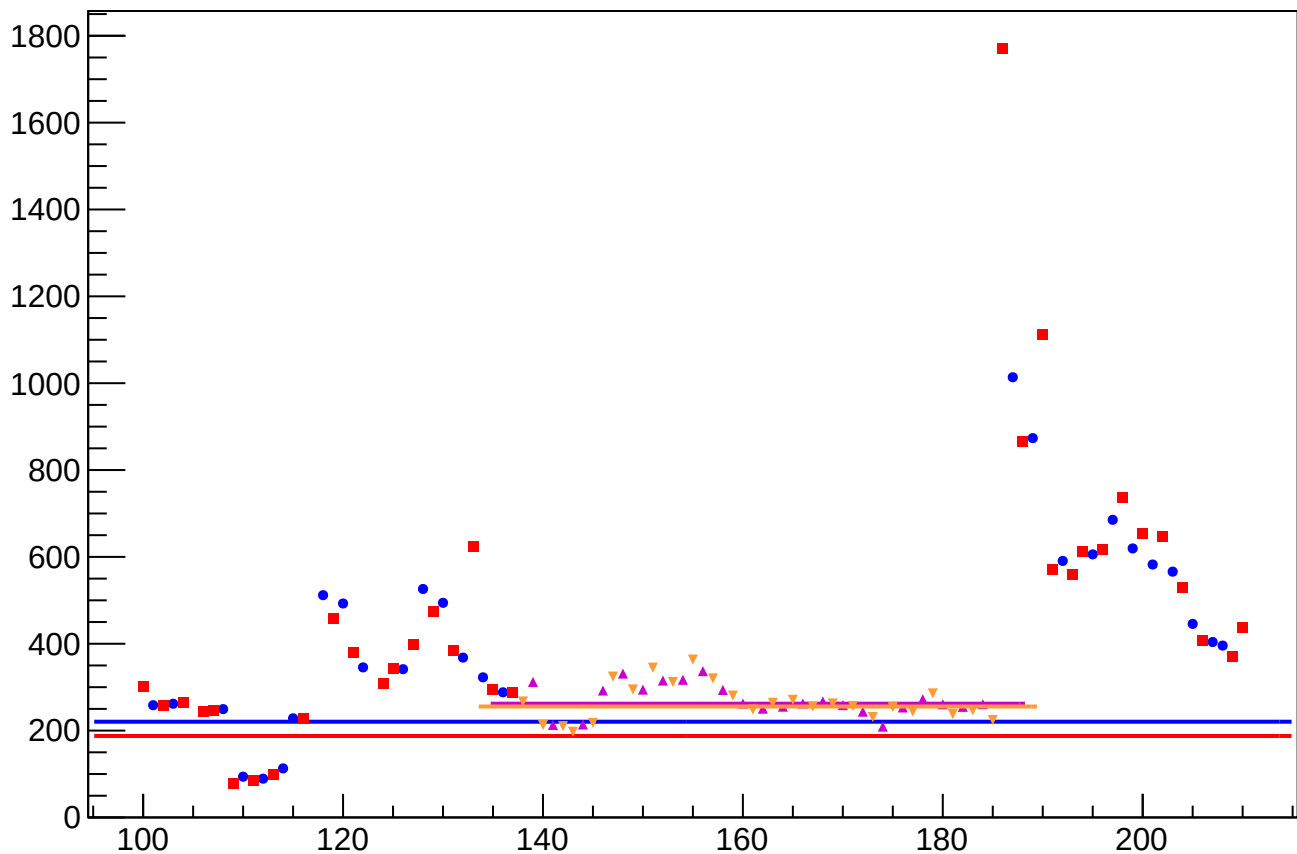
Left In: -39.144 ± 61.883 χ^2/NDF : 28.3/22

+ sign -217.177 ± 45.132 χ^2/NDF : 89.2/51

All: -129.135 ± 31.154 χ^2/NDF : 158.2/107

- sign -49.005 ± 43.057 χ^2/NDF : 61.8/55

asym_sam8_cor_correction_rms vs Slug



Right In: 220.466+/-0.050 χ^2/NDF : 11651807.5/26

Left Out: 255.469+/-0.042 χ^2/NDF : 863867.3/24

Right Out: 187.656+/-0.042 χ^2/NDF : 16076066.9/32

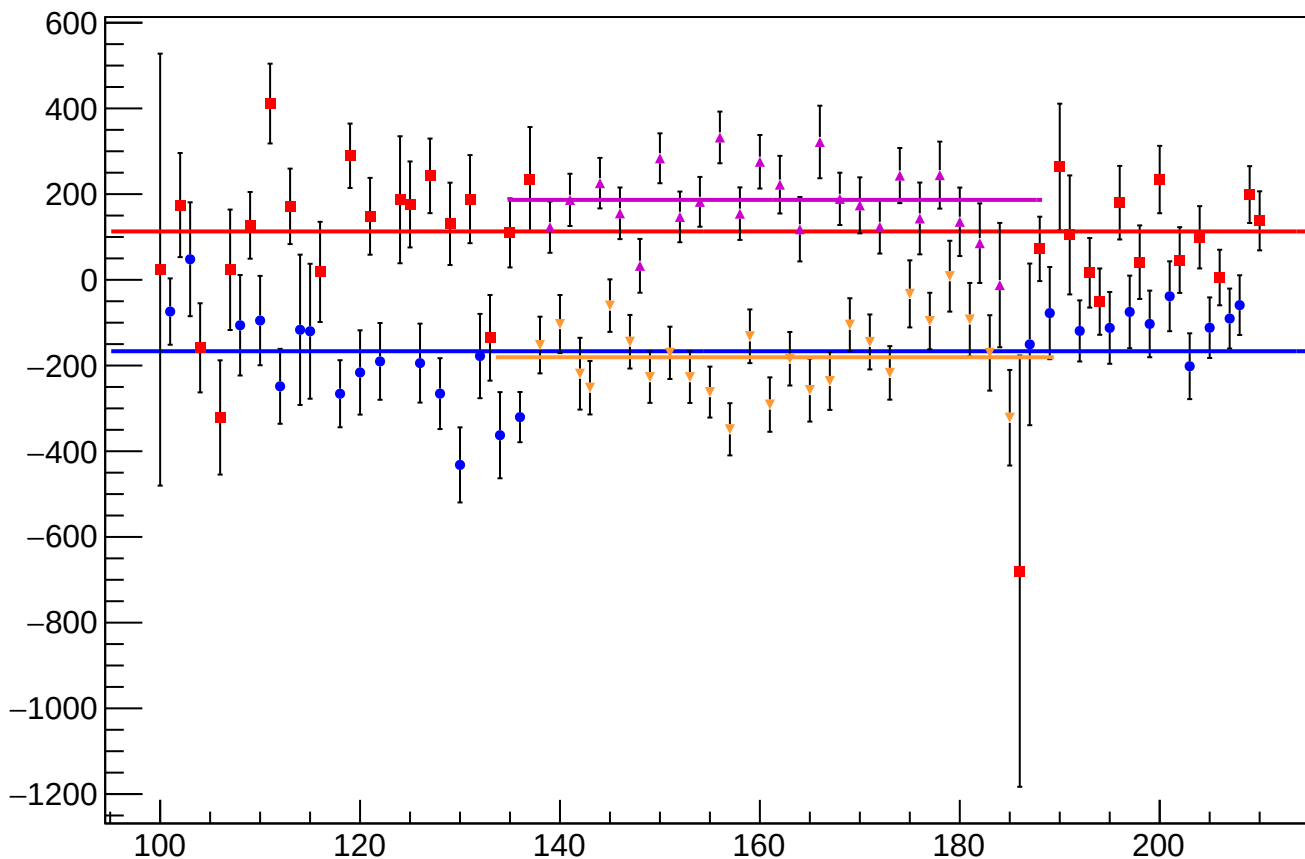
Left In: 262.007+/-0.044 χ^2/NDF : 670574.8/22

+ sign 241.034+/-0.032 χ^2/NDF : 12807189.8/51

All: 231.933+/-0.022 χ^2/NDF : 31198658.2/10

- sign 223.650+/-0.030 χ^2/NDF : 18236109.1/55

eigen_cor_asym_sam8_mean vs Slug



Right In: -166.613 ± 16.761 χ^2/NDF : 39.4/26

Left Out: -180.680 ± 13.419 χ^2/NDF : 38.6/24

Right Out: 112.894 ± 15.965 χ^2/NDF : 64.6/32

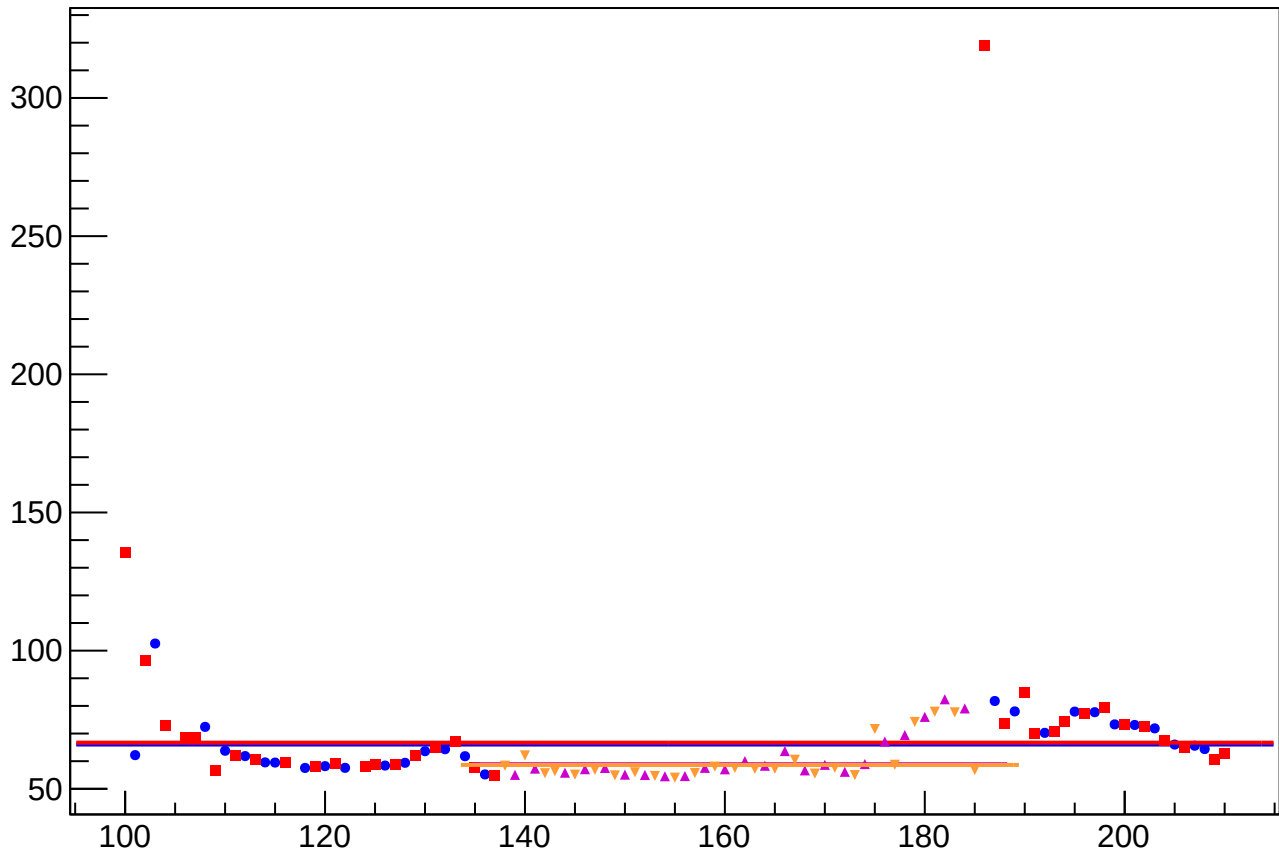
Left In: 186.567 ± 13.860 χ^2/NDF : 29.0/22

+ sign -175.186 ± 10.475 χ^2/NDF : 78.4/51

All: -9.996 ± 7.404 χ^2/NDF : 681.1/107

- sign 154.906 ± 10.466 χ^2/NDF : 105.7/55

eigen_cor_asym_sam8_rms vs Slug



Right In: 66.021 $\pm$ 0.012 χ^2 /NDF: 497636.5/26

Left Out: 58.644 $\pm$ 0.009 χ^2 /NDF: 393880.8/24

Right Out: 66.709 $\pm$ 0.011 χ^2 /NDF: 1045927.5/32

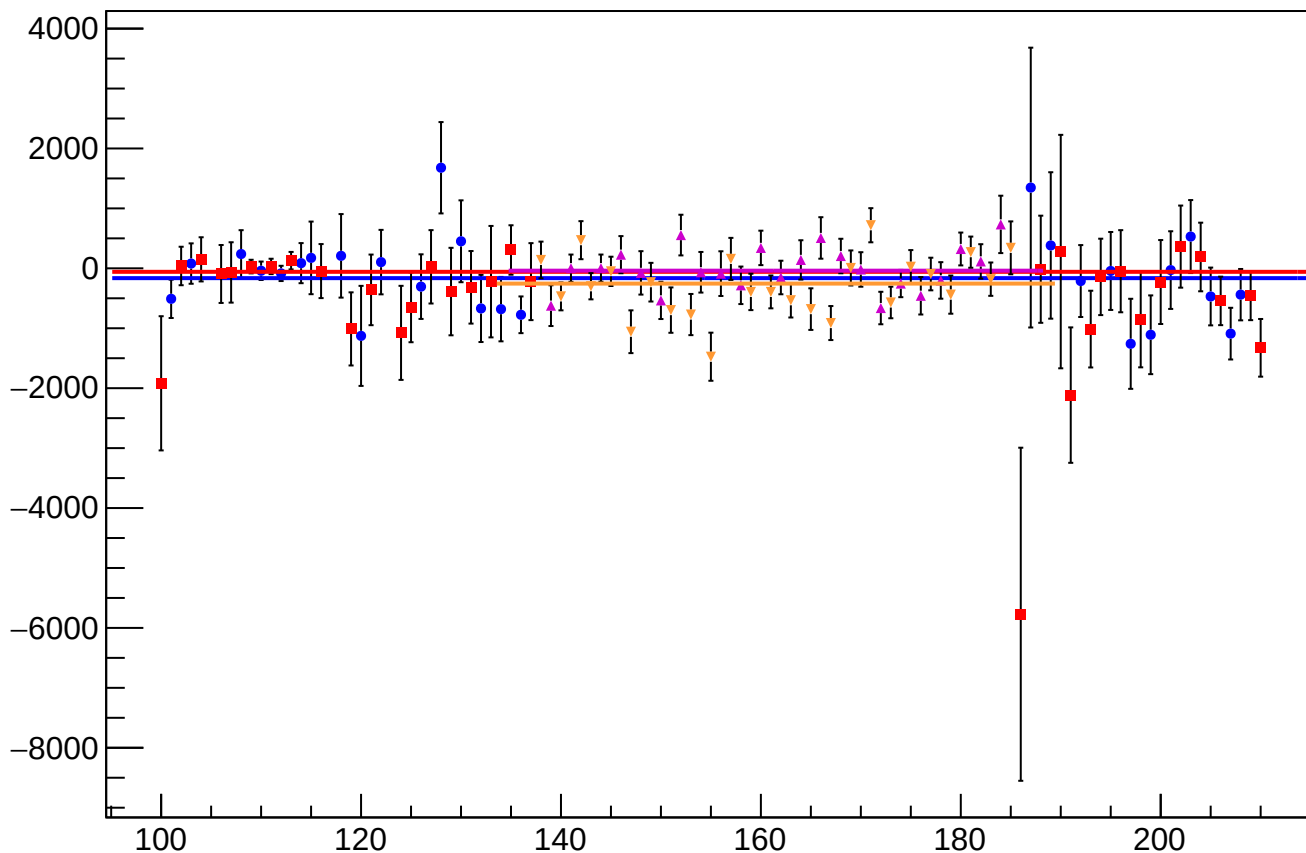
Left In: 58.906 $\pm$ 0.010 χ^2 /NDF: 386820.4/22

+ sign 61.525 $\pm$ 0.007 χ^2 /NDF: 1127586.6/51

All: 61.892 $\pm$ 0.005 χ^2 /NDF: 2837642.8/107

- sign 62.259 $\pm$ 0.007 χ^2 /NDF: 1705138.7/55

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -163.816+/-70.281 χ^2/NDF : 30.5/26

Left Out: -254.625+/-58.877 χ^2/NDF : 57.6/24

Right Out: -58.258+/-59.946 χ^2/NDF : 33.4/32

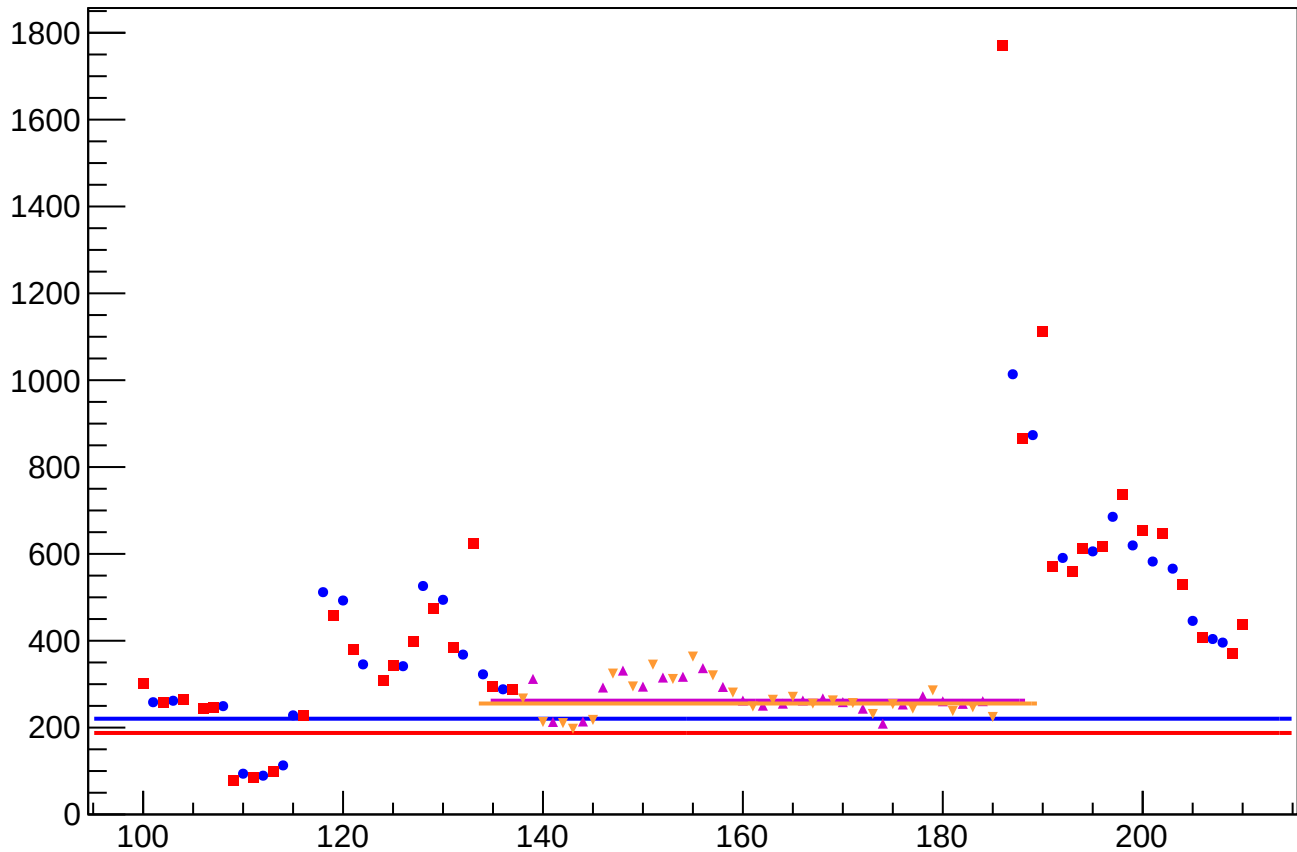
Left In: -39.144+/-61.883 χ^2/NDF : 28.3/22

+ sign -217.177+/-45.132 χ^2/NDF : 89.2/51

All: -129.135+/-31.154 χ^2/NDF : 158.2/107

- sign -49.005+/-43.057 χ^2/NDF : 61.8/55

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 220.466+/-0.050 χ^2/NDF : 11651807.5/26

Left Out: 255.469+/-0.042 χ^2/NDF : 863867.3/24

Right Out: 187.656+/-0.042 χ^2/NDF : 16076066.9/32

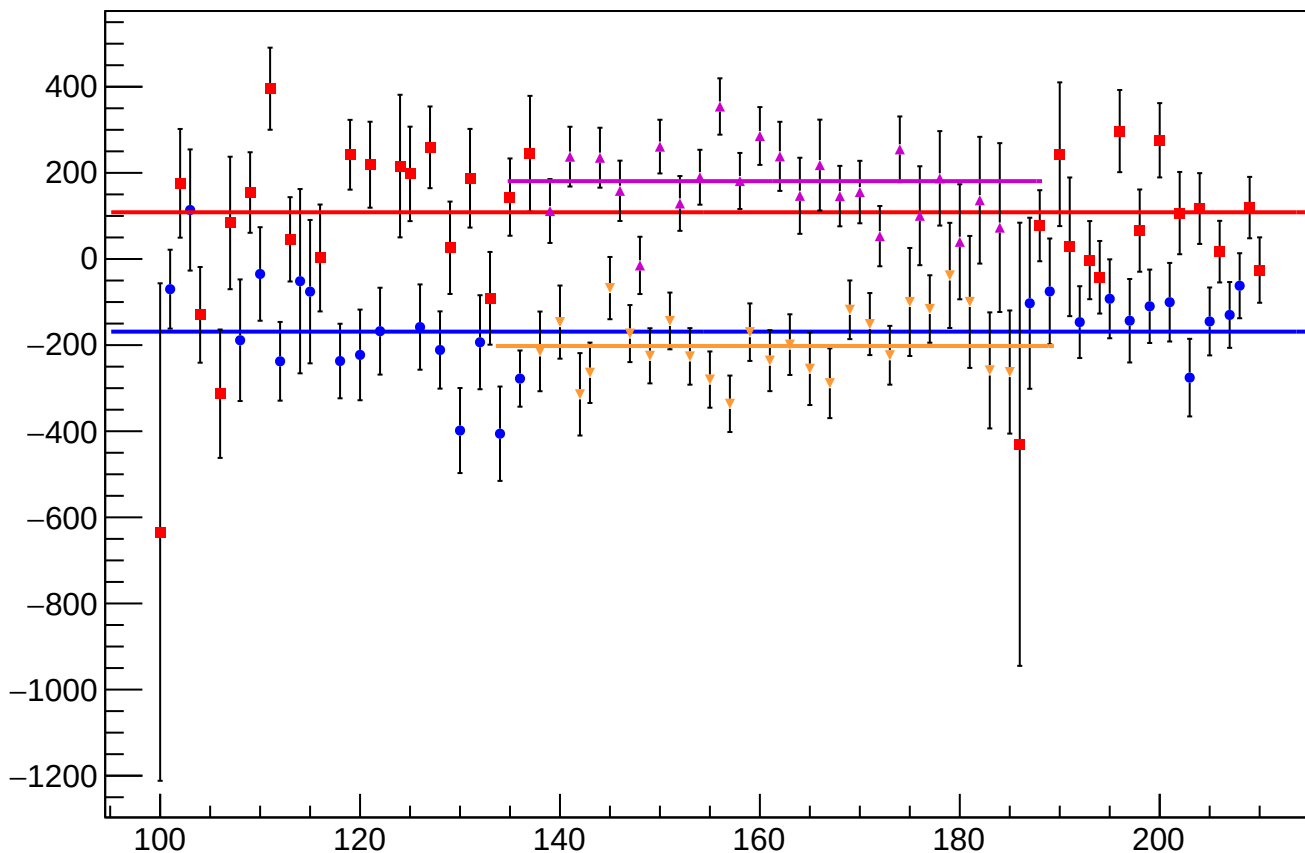
Left In: 262.007+/-0.044 χ^2/NDF : 670574.8/22

+ sign 241.034+/-0.032 χ^2/NDF : 12807189.8/51

All: 231.933+/-0.022 χ^2/NDF : 31198658.2/10

- sign 223.650+/-0.030 χ^2/NDF : 18236109.1/55

dit_asym_sam8_mean vs Slug



Right In: -168.689 ± 18.620 χ^2/NDF : 28.3/26

Left Out: -202.090 ± 15.538 χ^2/NDF : 21.5/24

Right Out: 108.523 ± 17.666 χ^2/NDF : 57.7/32

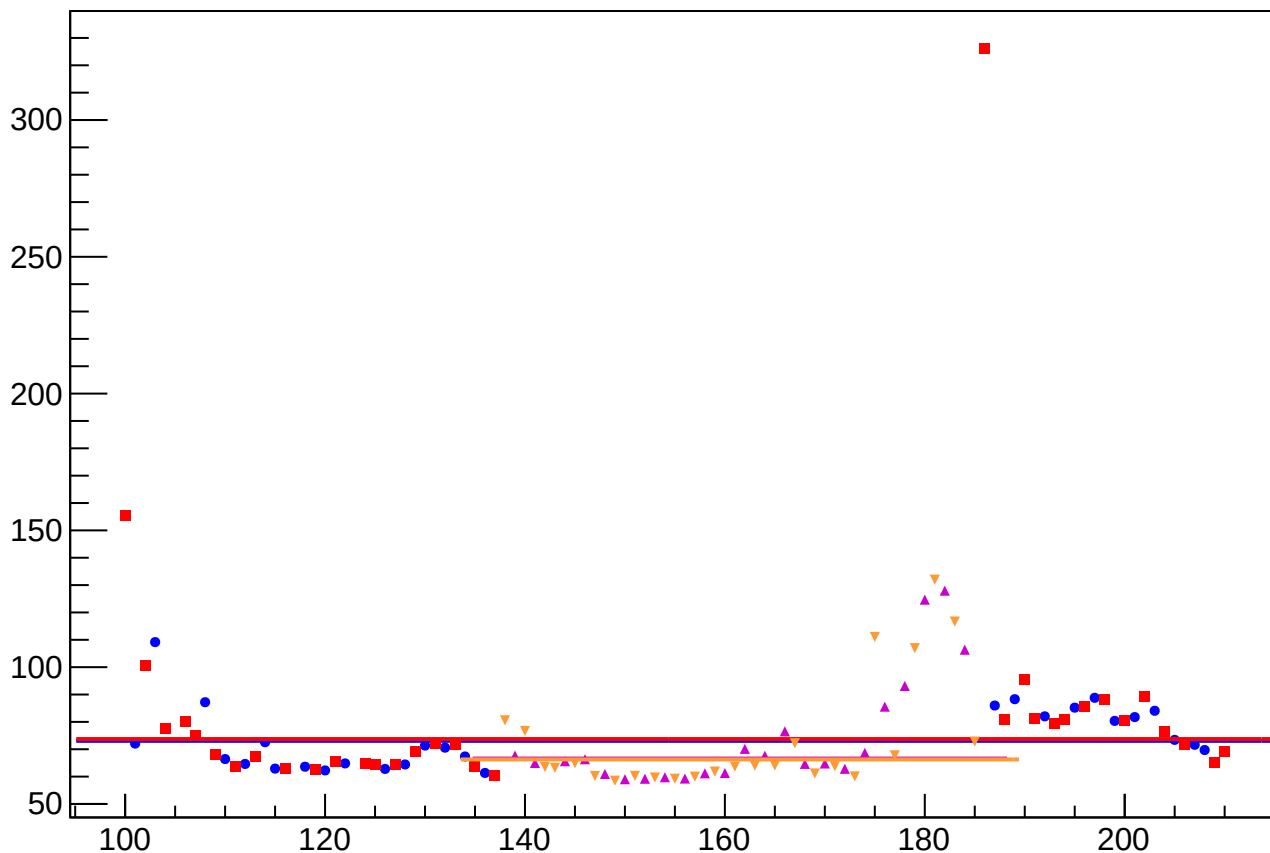
Left In: 180.784 ± 16.019 χ^2/NDF : 30.1/22

+ sign -188.379 ± 11.930 χ^2/NDF : 51.7/51

All: -19.209 ± 8.413 χ^2/NDF : 548.8/107

- sign 148.179 ± 11.867 χ^2/NDF : 97.1/55

dit_asym_sam8_rms vs Slug



Right In: 73.084+/-0.013 χ^2/NDF : 571166.0/26

Left Out: 66.279+/-0.011 χ^2/NDF : 1393879.2/24

Right Out: 73.725+/-0.012 χ^2/NDF : 1067153.4/32

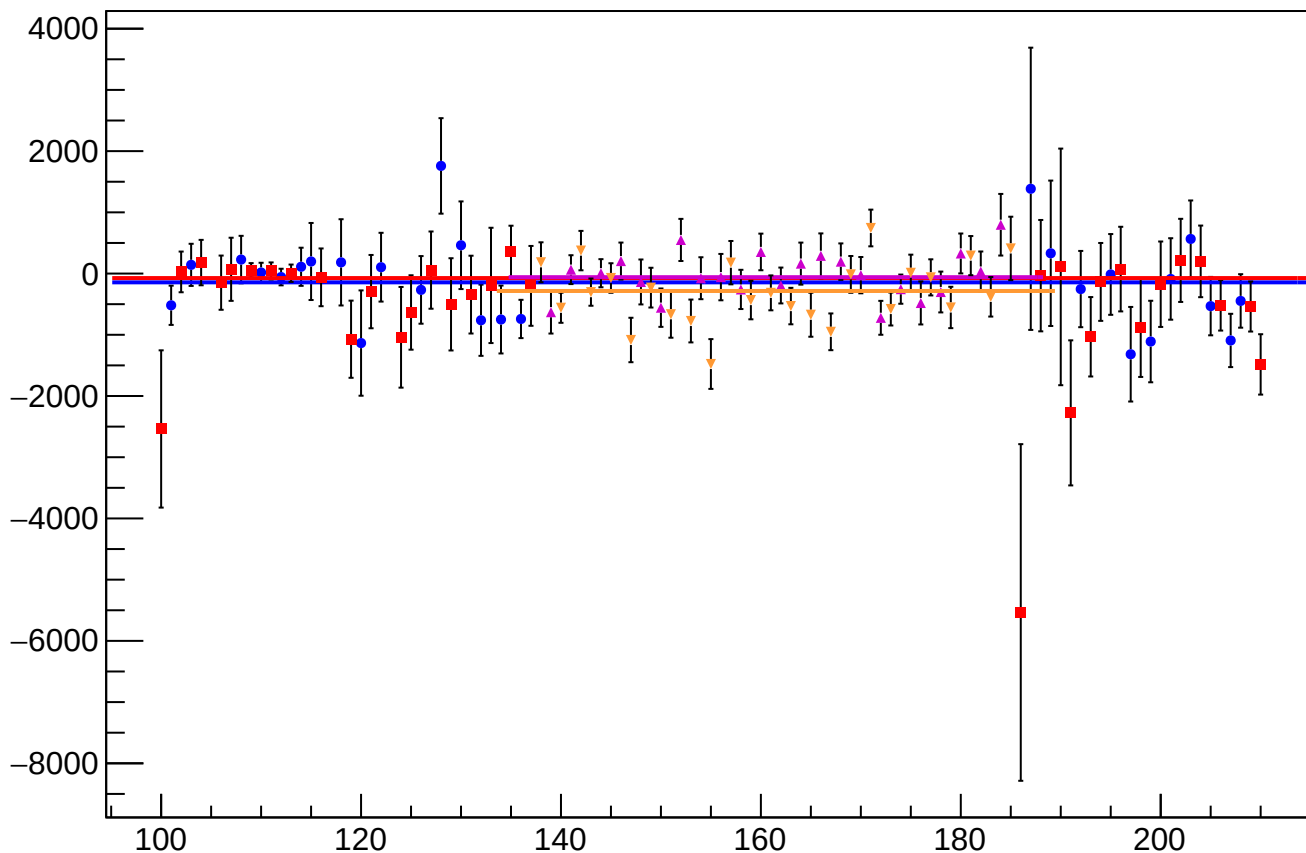
Left In: 66.585+/-0.011 χ^2/NDF : 1158238.0/22

+ sign 69.072+/-0.008 χ^2/NDF : 2122511.7/51

All: 69.442+/-0.006 χ^2/NDF : 4530988.2/107

- sign 69.807+/-0.008 χ^2/NDF : 2404664.9/55

asym_sam8_dit_correction_mean vs Slug



Right In: -143.489 ± 72.365 χ^2/NDF : 32.1/26

Left Out: -284.450 ± 61.727 χ^2/NDF : 54.6/24

Right Out: -73.614 ± 61.532 χ^2/NDF : 34.8/32

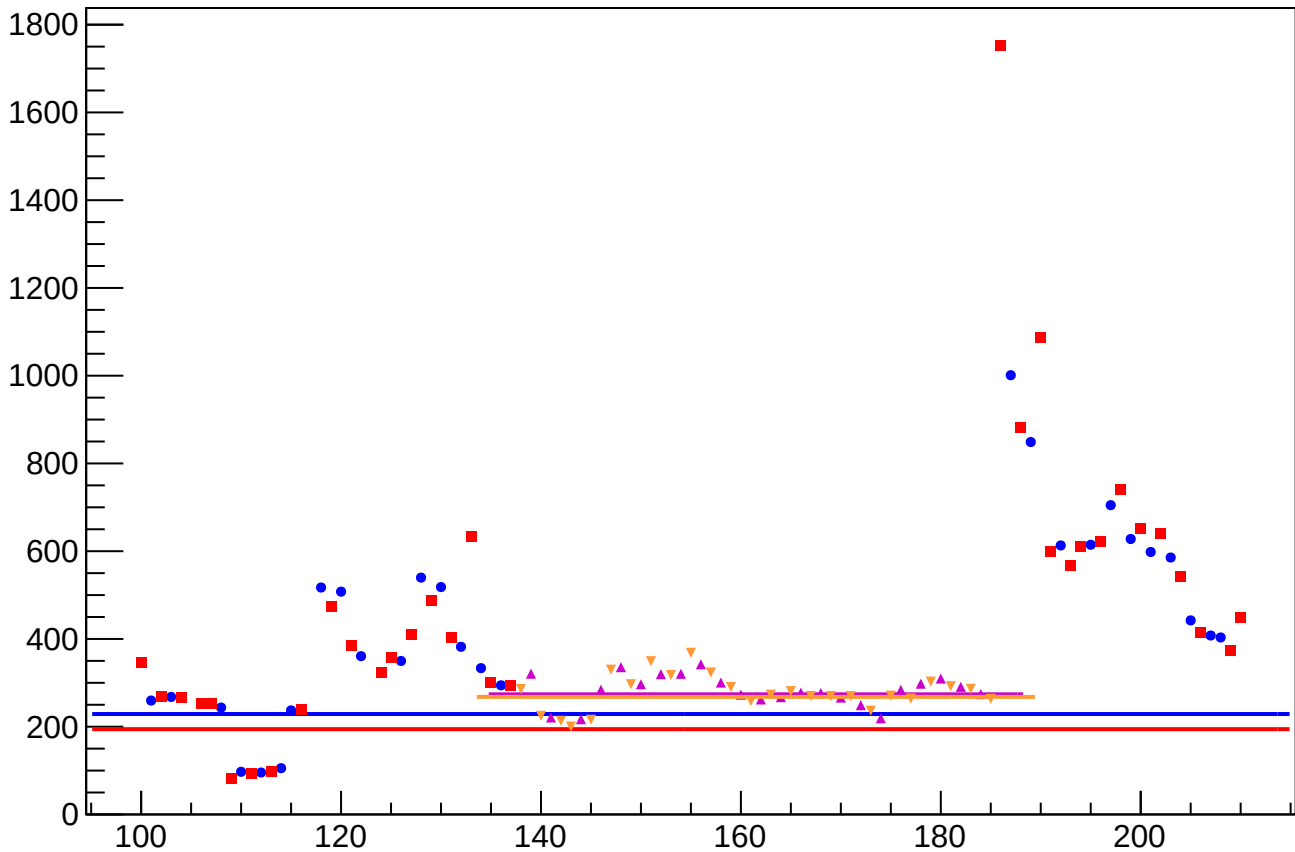
Left In: -59.160 ± 64.636 χ^2/NDF : 26.8/22

+ sign -225.082 ± 46.963 χ^2/NDF : 88.9/51

All: -141.770 ± 32.327 χ^2/NDF : 156.6/107

- sign -66.742 ± 44.567 χ^2/NDF : 61.7/55

asym_sam8_dit_correction_rms vs Slug



Right In: 228.906+/-0.051 χ^2/NDF : 11373267.8/26

Left Out: 267.985+/-0.044 χ^2/NDF : 862786.9/24

Right Out: 194.426+/-0.044 χ^2/NDF : 15844786.5/32

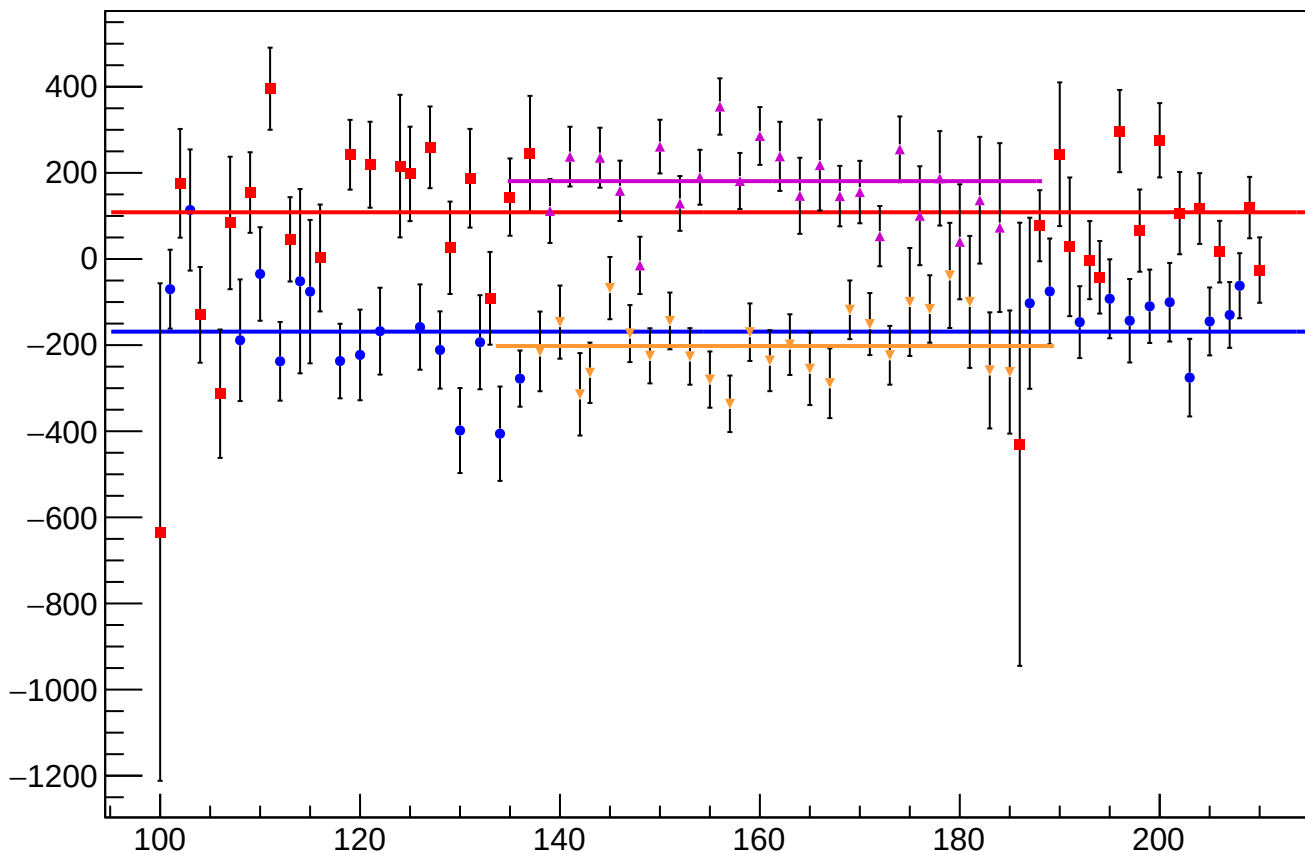
Left In: 273.751+/-0.046 χ^2/NDF : 650295.5/22

+ sign 251.526+/-0.033 χ^2/NDF : 12573681.6/51

All: 241.325+/-0.023 χ^2/NDF : 30828347.5/10

- sign 232.138+/-0.032 χ^2/NDF : 18075300.1/55

eigen_dit_asym_sam8_mean vs Slug



Right In: -168.689 ± 18.620 χ^2/NDF : 28.3/26

Left Out: -202.090 ± 15.538 χ^2/NDF : 21.5/24

Right Out: 108.524 ± 17.666 χ^2/NDF : 57.7/32

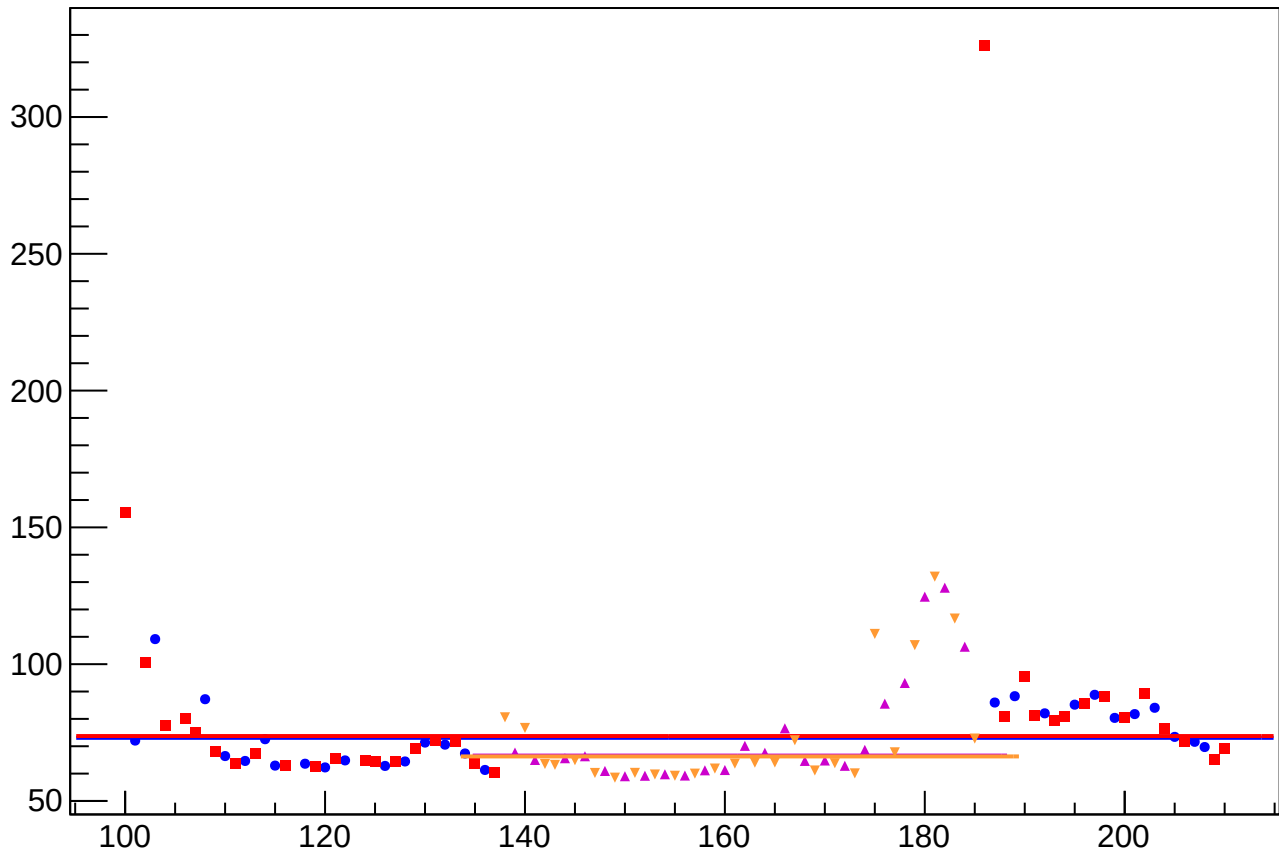
Left In: 180.785 ± 16.019 χ^2/NDF : 30.1/22

+ sign -188.379 ± 11.930 χ^2/NDF : 51.7/51

All: -19.208 ± 8.413 χ^2/NDF : 548.8/107

- sign 148.180 ± 11.867 χ^2/NDF : 97.1/55

eigen_dit_asym_sam8_rms vs Slug



Right In: 73.084+/-0.013 χ^2/NDF : 571169.8/26

Left Out: 66.279+/-0.011 χ^2/NDF : 1393881.3/24

Right Out: 73.725+/-0.012 χ^2/NDF : 1067158.1/32

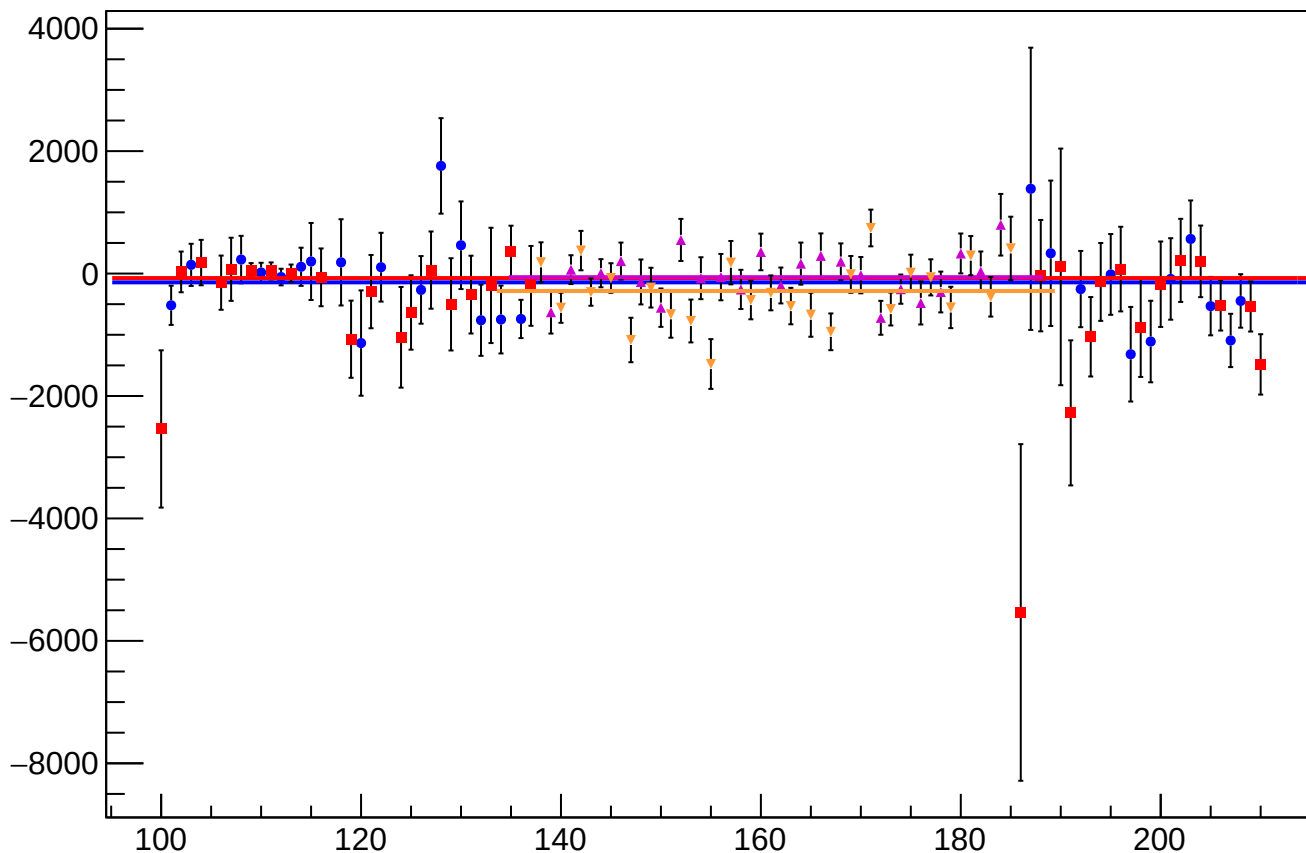
Left In: 66.585+/-0.011 χ^2/NDF : 1158231.7/22

+ sign 69.072+/-0.008 χ^2/NDF : 2122511.1/51

All: 69.442+/-0.006 χ^2/NDF : 4530975.9/107

- sign 69.807+/-0.008 χ^2/NDF : 2404653.3/55

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -143.487 ± 72.364 χ^2/NDF : 32.1/26

Left Out: -284.450 ± 61.727 χ^2/NDF : 54.6/24

Right Out: -73.612 ± 61.531 χ^2/NDF : 34.8/32

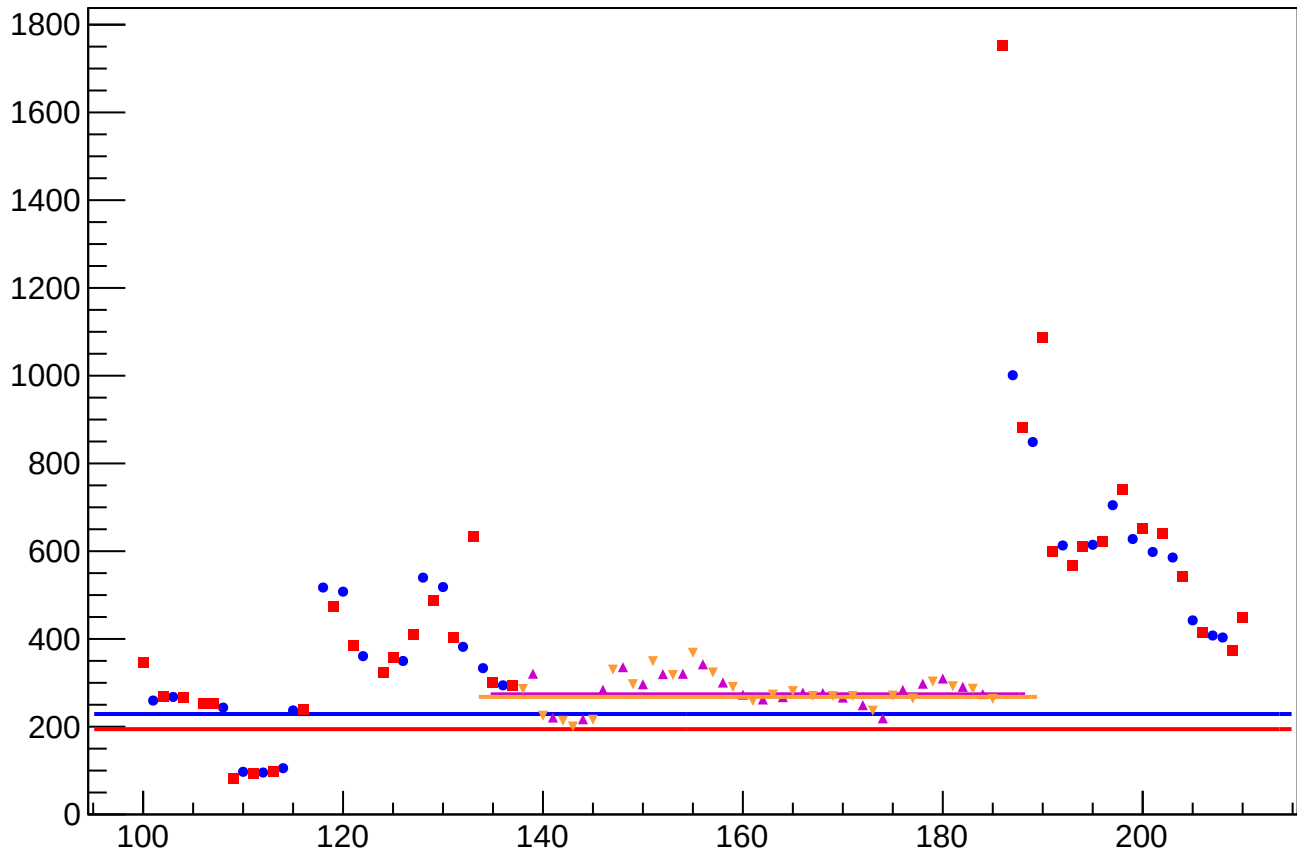
Left In: -59.160 ± 64.636 χ^2/NDF : 26.8/22

+ sign -225.081 ± 46.963 χ^2/NDF : 88.9/51

All: -141.769 ± 32.327 χ^2/NDF : 156.6/107

- sign -66.742 ± 44.566 χ^2/NDF : 61.7/55

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 228.904 $\pm$ 0.051 χ^2 /NDF: 11373341.4/26

Left Out: 267.985 $\pm$ 0.044 χ^2 /NDF: 862797.1/24

Right Out: 194.425 $\pm$ 0.044 χ^2 /NDF: 15844776.2/32

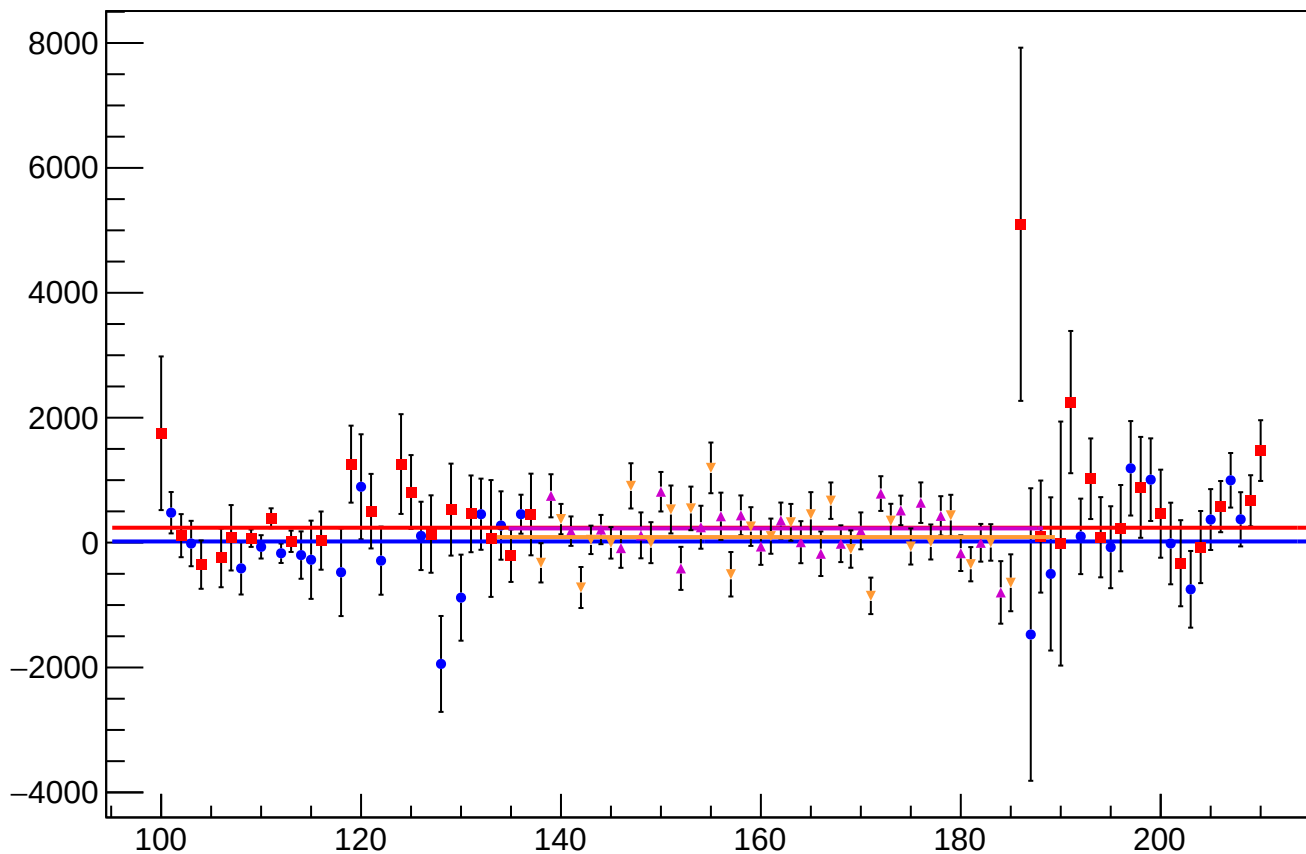
Left In: 273.750 $\pm$ 0.046 χ^2 /NDF: 650300.9/22

+ sign 251.525 $\pm$ 0.033 χ^2 /NDF: 12573781.7/51

All: 241.324 $\pm$ 0.023 χ^2 /NDF: 30828422.3/10

- sign 232.137 $\pm$ 0.032 χ^2 /NDF: 18075285.6/55

asym_sam8_mean vs Slug



Right In: 18.133+/-78.534 χ^2/NDF : 31.2/26

Left Out: 88.397+/-60.666 χ^2/NDF : 52.2/24

Right Out: 238.113+/-68.388 χ^2/NDF : 34.0/32

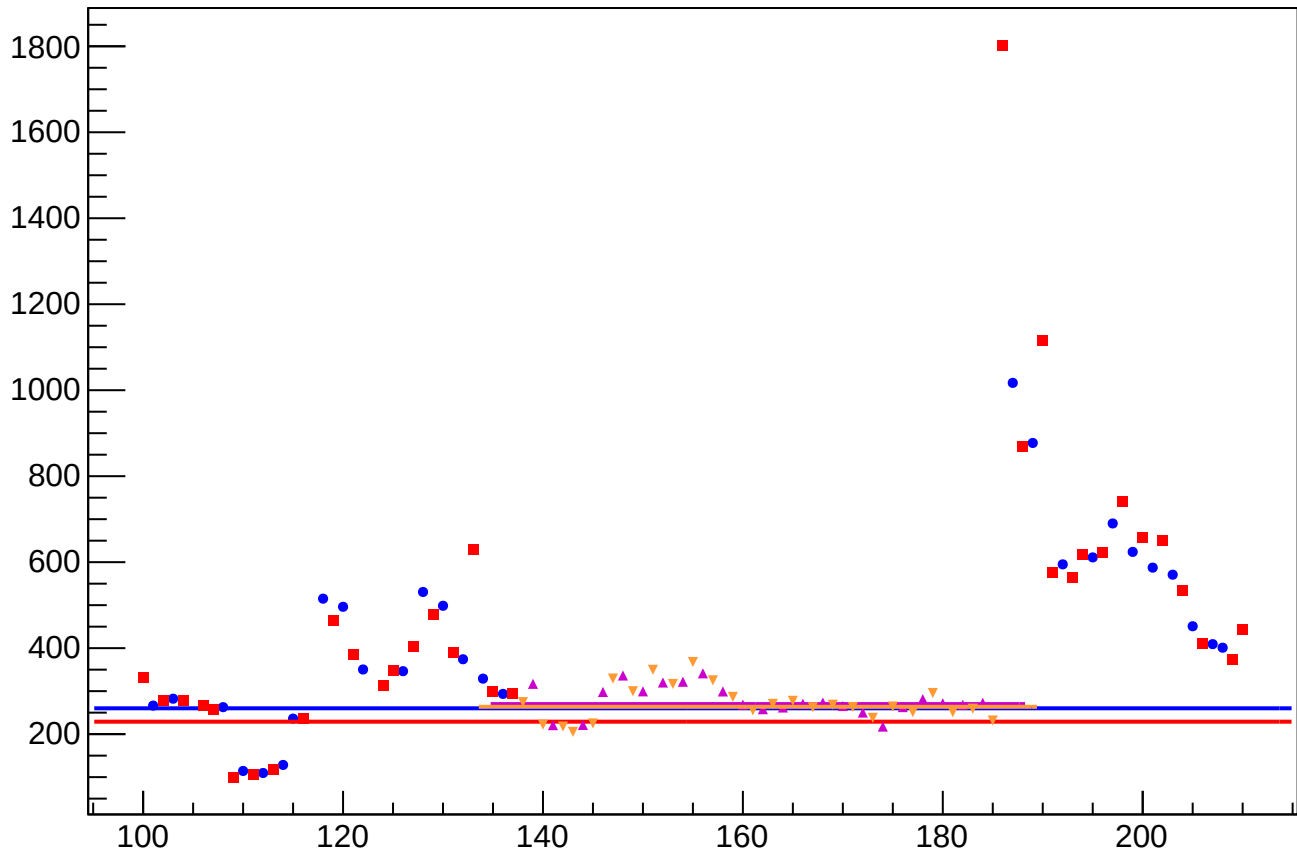
Left In: 226.867+/-63.677 χ^2/NDF : 28.8/22

+ sign 62.138+/-48.010 χ^2/NDF : 83.9/51

All: 149.640+/-33.440 χ^2/NDF : 153.1/107

- sign 232.089+/-46.603 χ^2/NDF : 62.8/55

asym_sam8_rms vs Slug



Right In: 260.092 $\pm$ 0.056 χ^2 /NDF: 9405390.9/26

Left Out: 263.593 $\pm$ 0.043 χ^2 /NDF: 779853.4/24

Right Out: 228.981 $\pm$ 0.048 χ^2 /NDF: 13435517.9/32

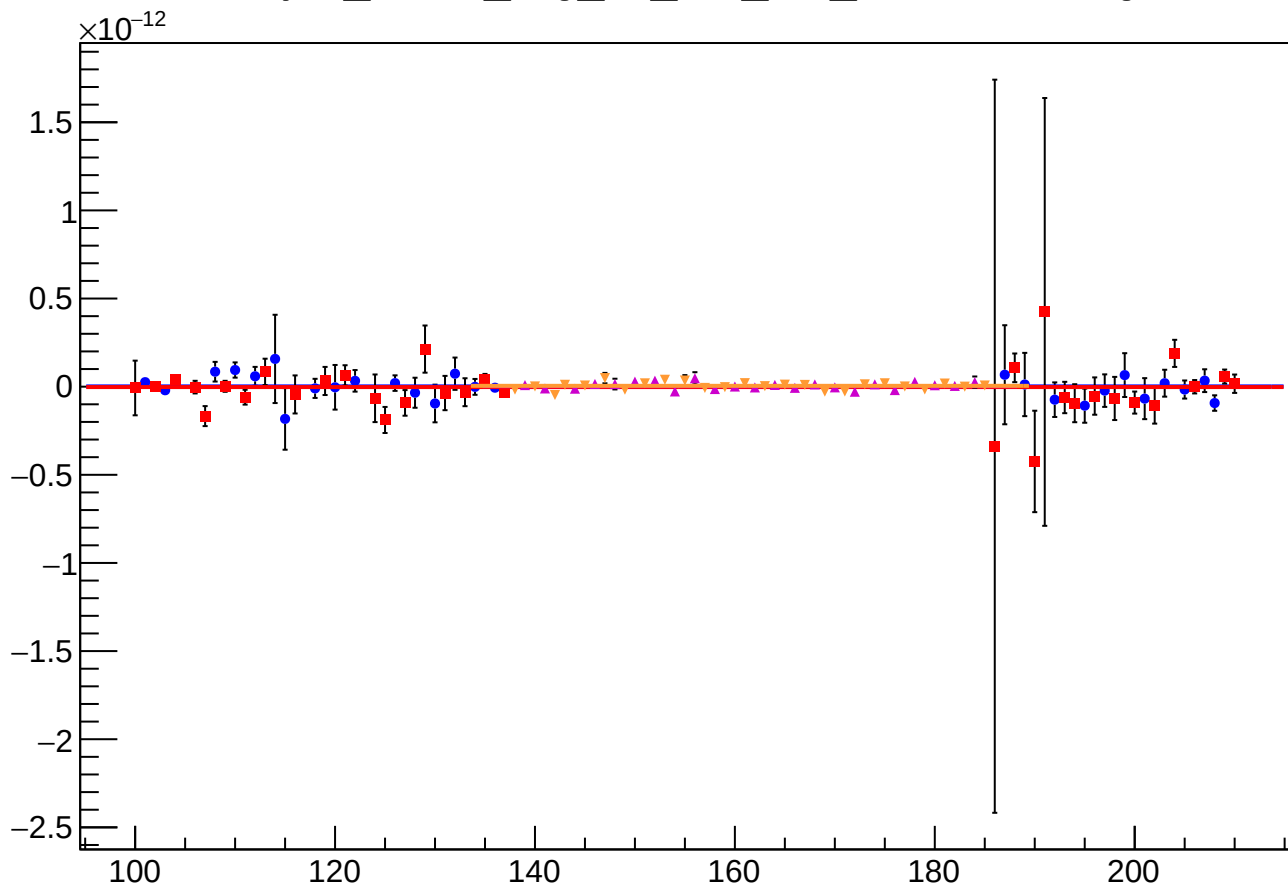
Left In: 269.898 $\pm$ 0.045 χ^2 /NDF: 602244.3/22

+ sign 262.285 $\pm$ 0.034 χ^2 /NDF: 10187733.0/51

All: 256.421 $\pm$ 0.024 χ^2 /NDF: 24666902.2/10

- sign 250.897 $\pm$ 0.033 χ^2 /NDF: 14421236.2/55

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 21.8/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 48.0/32

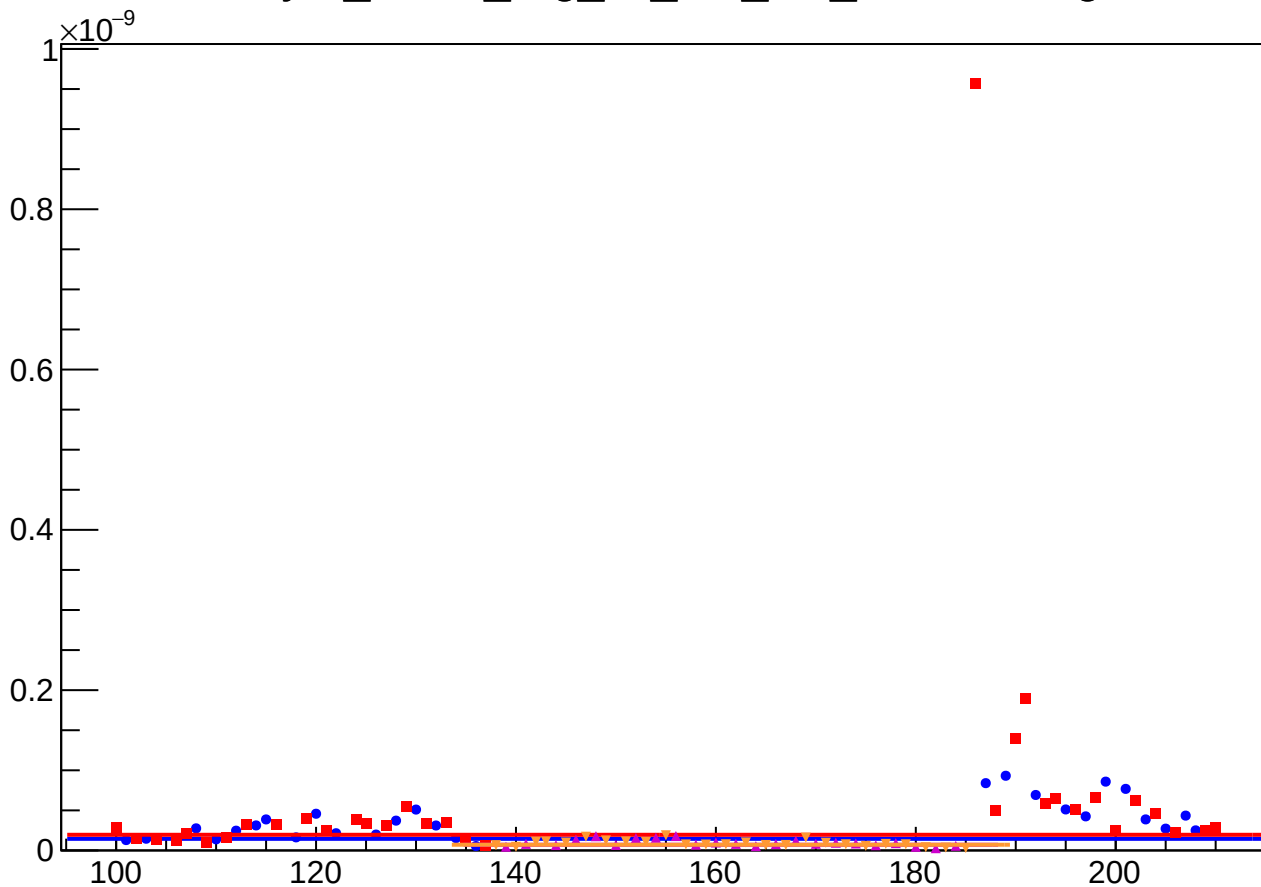
Left In: 0.000 ± 0.000 χ^2/NDF : 21.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 49.8/51

All: 0.000 ± 0.000 χ^2/NDF : 119.8/107

- sign 0.000 ± 0.000 χ^2/NDF : 69.8/55

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5765126.9/26

Left Out: 0.000+/-0.000 χ^2/NDF :1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4712335.8/32

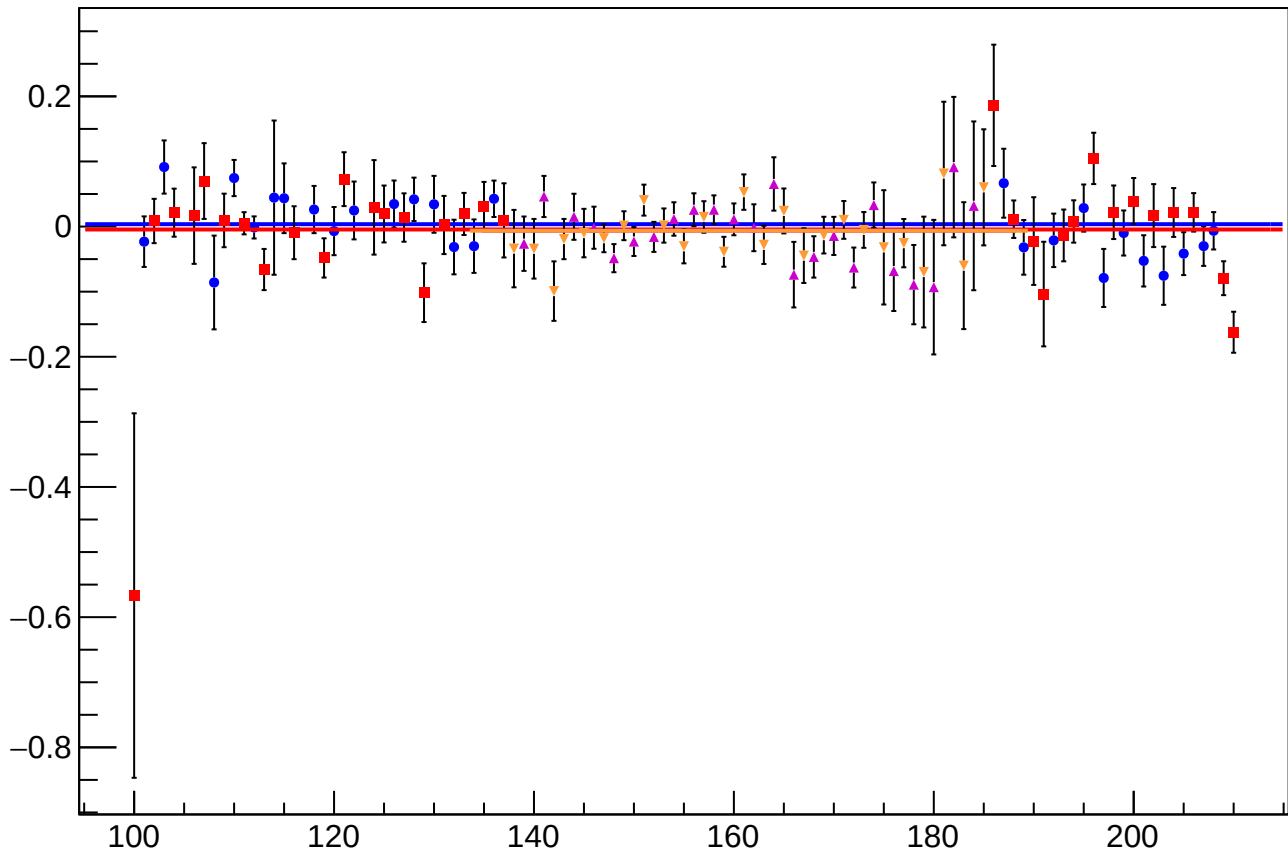
Left In: 0.000+/-0.000 χ^2/NDF :2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 9268285.1/51

All: 0.000+/-0.000 χ^2/NDF : 19473208.2/107

- sign 0.000+/-0.000 χ^2/NDF : 10190797.4/55

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.007 χ^2/NDF : 35.4/26

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: -0.004 ± 0.006 χ^2/NDF : 73.9/32

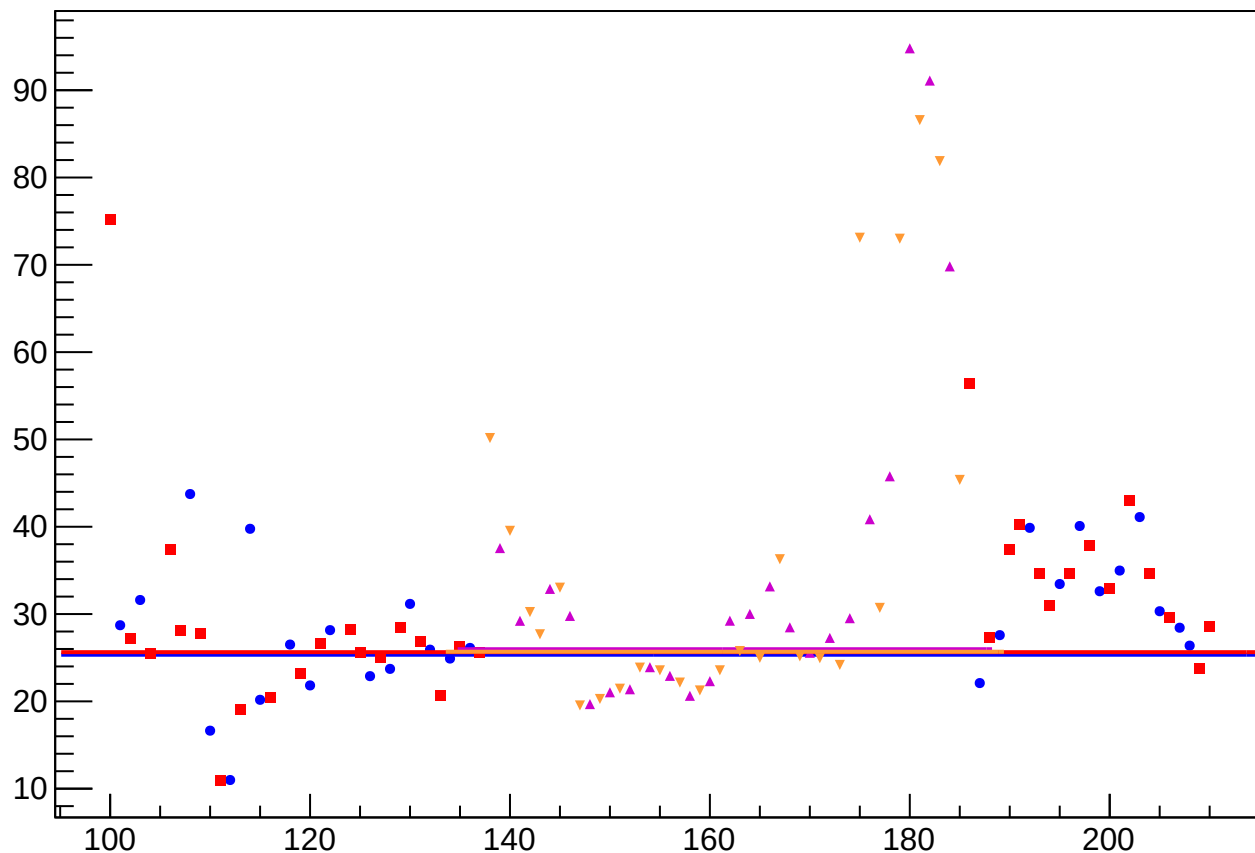
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign -0.002 ± 0.005 χ^2/NDF : 59.1/51

All: -0.004 ± 0.003 χ^2/NDF : 161.7/107

- sign -0.005 ± 0.005 χ^2/NDF : 102.3/55

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 25.342 $\pm$ 0.005 χ^2 /NDF: 3051684.8/26

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF:3871541.1/24

Right Out: 25.635 $\pm$ 0.005 χ^2 /NDF: 3122265.3/32

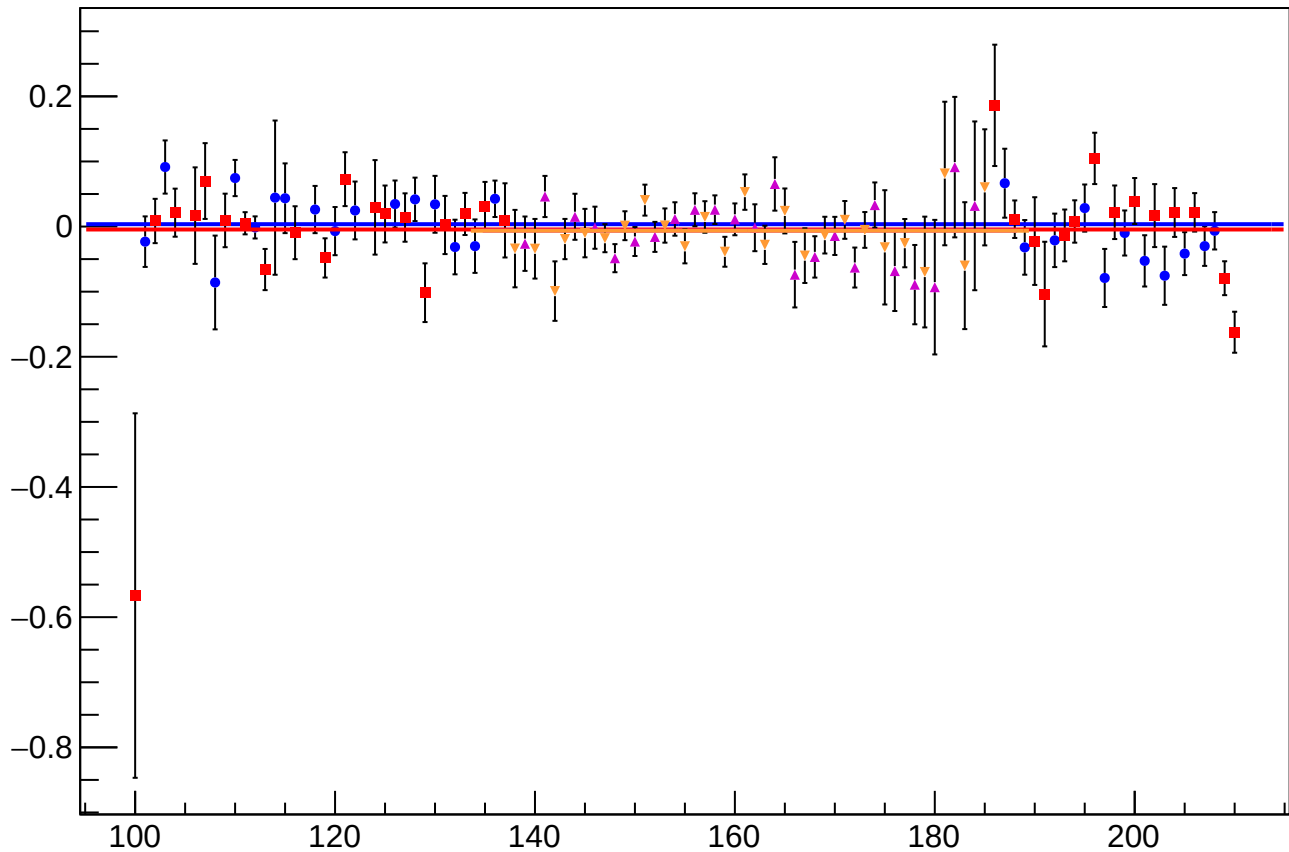
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF:3118335.6/22

+ sign 25.526 $\pm$ 0.003 χ^2 /NDF: 6925891.8/51

All: 25.664 $\pm$ 0.002 χ^2 /NDF: 13172589.3/107

- sign 25.799 $\pm$ 0.003 χ^2 /NDF: 6243243.7/55

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.007 χ^2 /NDF: 35.4/26

Left Out: -0.006 $\pm$ 0.006 χ^2 /NDF: 22.6/24

Right Out: -0.004 $\pm$ 0.006 χ^2 /NDF: 73.9/32

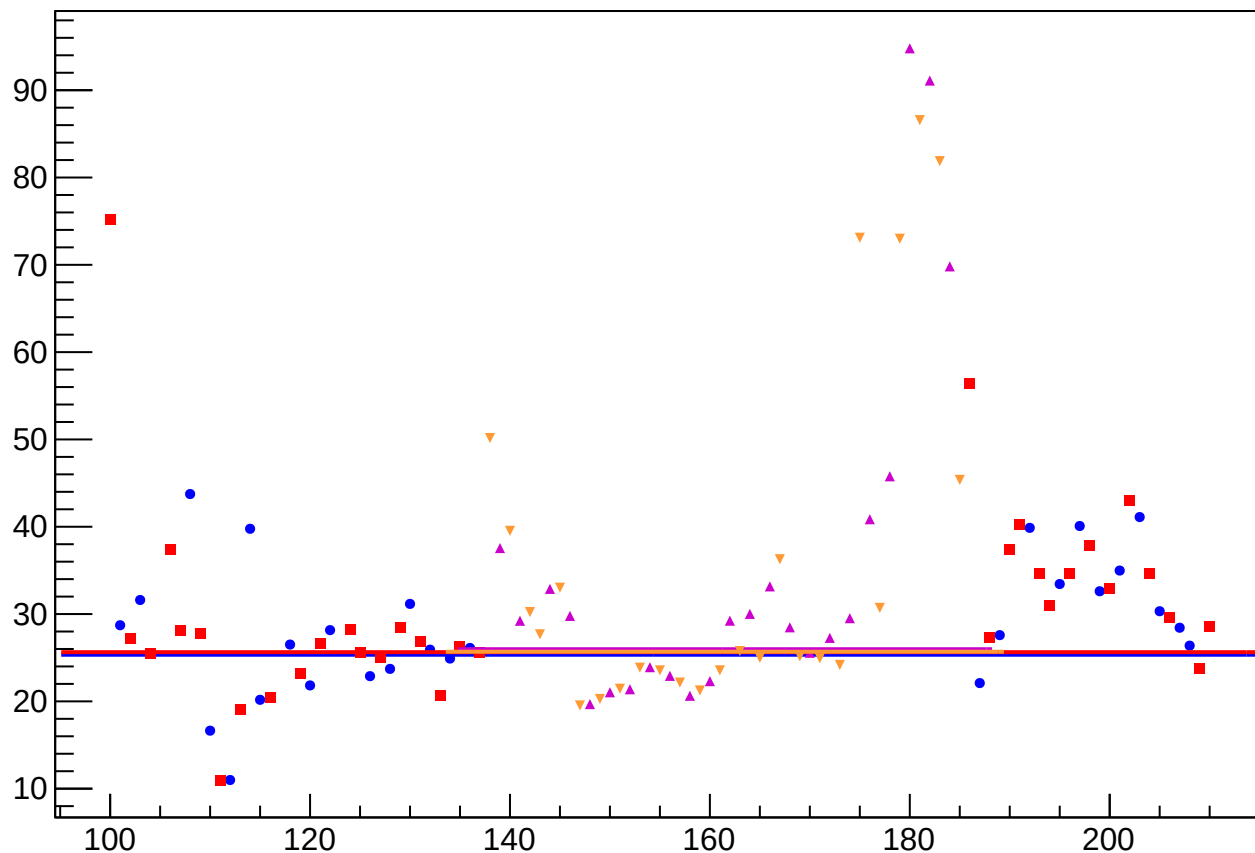
Left In: -0.006 $\pm$ 0.007 χ^2 /NDF: 28.4/22

+ sign -0.002 $\pm$ 0.005 χ^2 /NDF: 59.1/51

All: -0.004 $\pm$ 0.003 χ^2 /NDF: 161.7/107

- sign -0.005 $\pm$ 0.005 χ^2 /NDF: 102.3/55

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.342 $\pm$ 0.005 χ^2 /NDF: 3051684.8/26

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF: 3871541.1/24

Right Out: 25.635 $\pm$ 0.005 χ^2 /NDF: 3122265.3/32

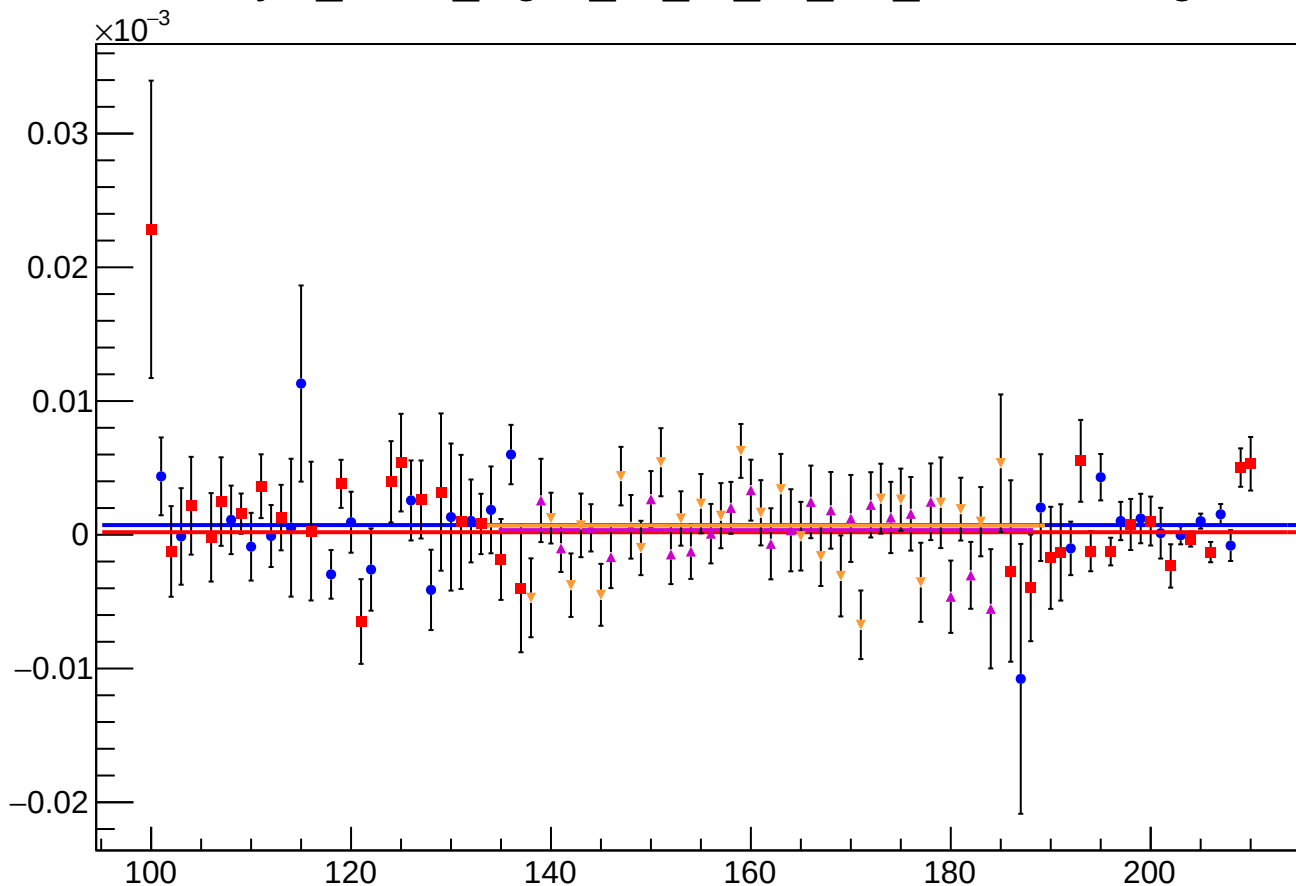
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF: 3118335.6/22

+ sign 25.526 $\pm$ 0.003 χ^2 /NDF: 6925891.8/51

All: 25.664 $\pm$ 0.002 χ^2 /NDF: 13172589.3/107

- sign 25.799 $\pm$ 0.003 χ^2 /NDF: 6243243.7/55

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 29.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 44.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 55.5/32

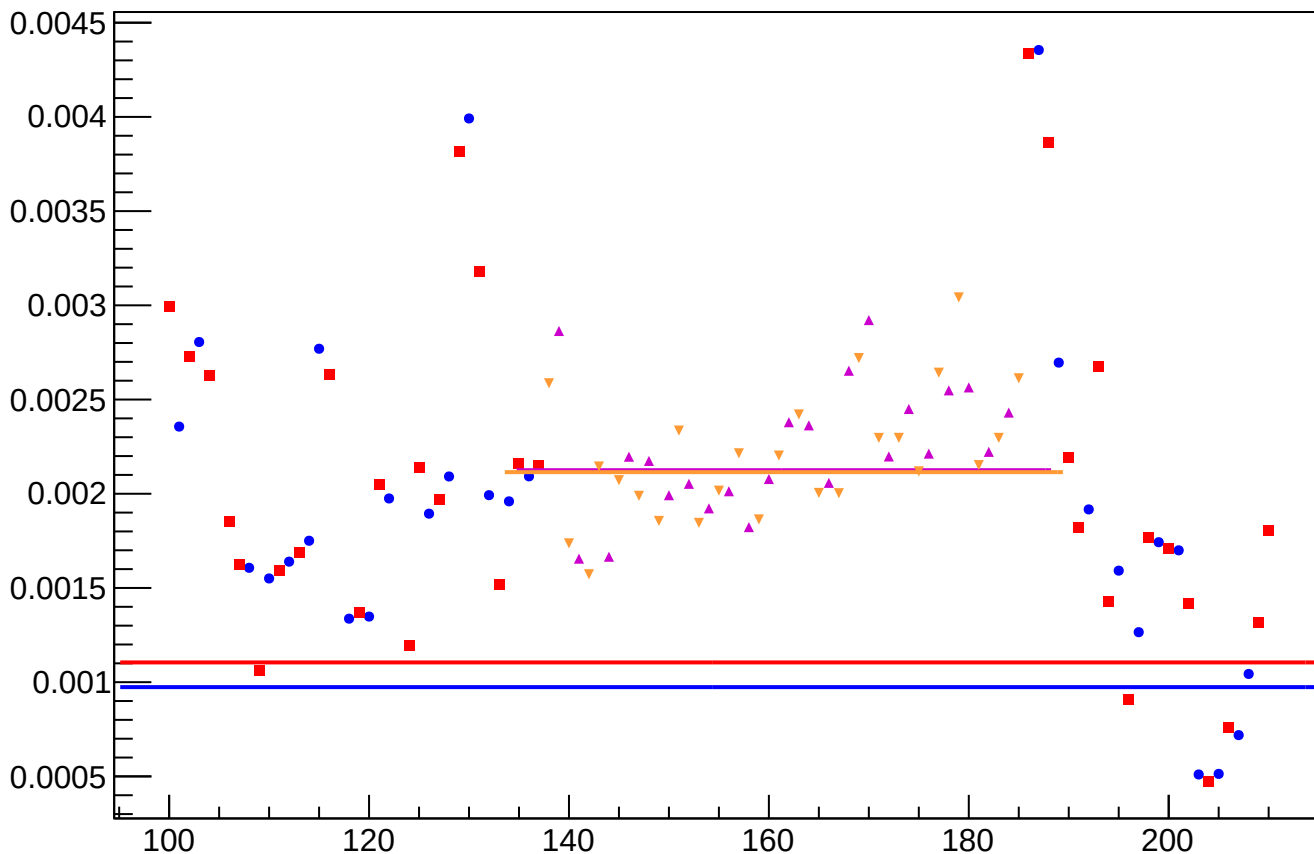
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 16.4/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 73.7/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 147.4/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 71.9/55

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 8392640.5/26

Left Out: 0.002+/-0.000 χ^2/NDF : 743658.4/24

Right Out: 0.001+/-0.000 χ^2/NDF : 9277747.1/32

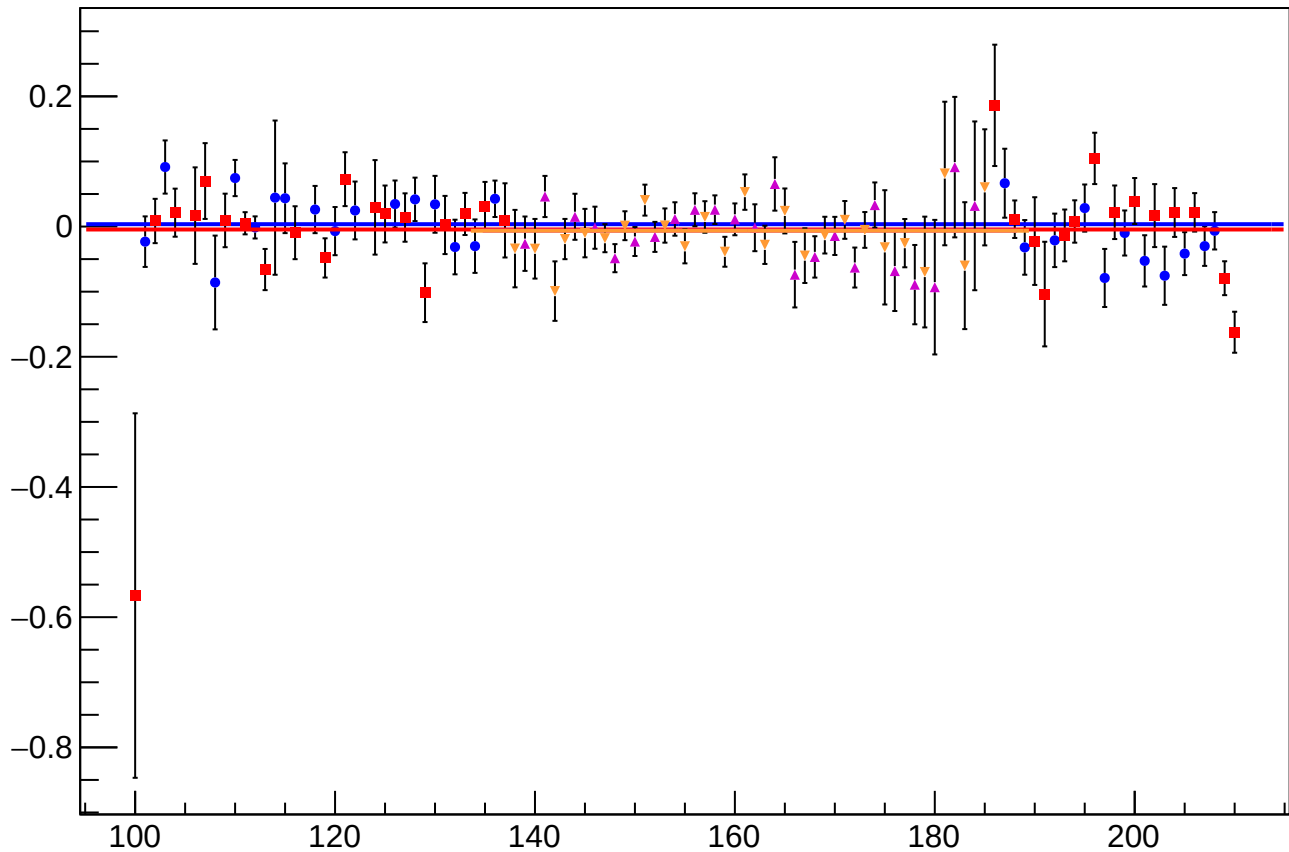
Left In: 0.002+/-0.000 χ^2/NDF : 837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF : 17195010.2/51

All: 0.001+/-0.000 χ^2/NDF : 33457104.2/107

- sign 0.001+/-0.000 χ^2/NDF : 16106054.2/55

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.007 χ^2/NDF : 35.4/26

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: -0.004 ± 0.006 χ^2/NDF : 73.9/32

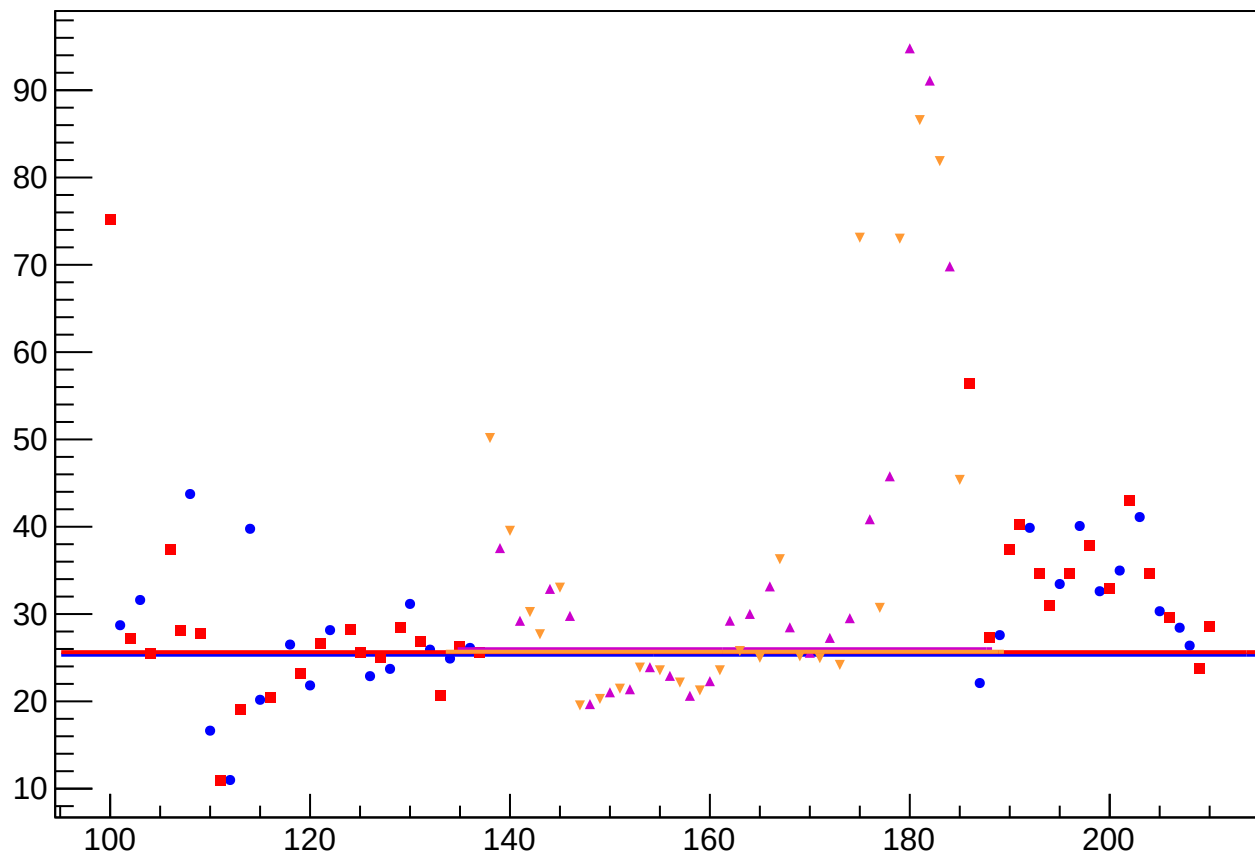
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign -0.002 ± 0.005 χ^2/NDF : 59.1/51

All: -0.004 ± 0.003 χ^2/NDF : 161.7/107

- sign -0.005 ± 0.005 χ^2/NDF : 102.3/55

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.342 $\pm$ 0.005 χ^2 /NDF: 3051964.9/26

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF:3871544.4/24

Right Out: 25.634 $\pm$ 0.005 χ^2 /NDF: 3122547.7/32

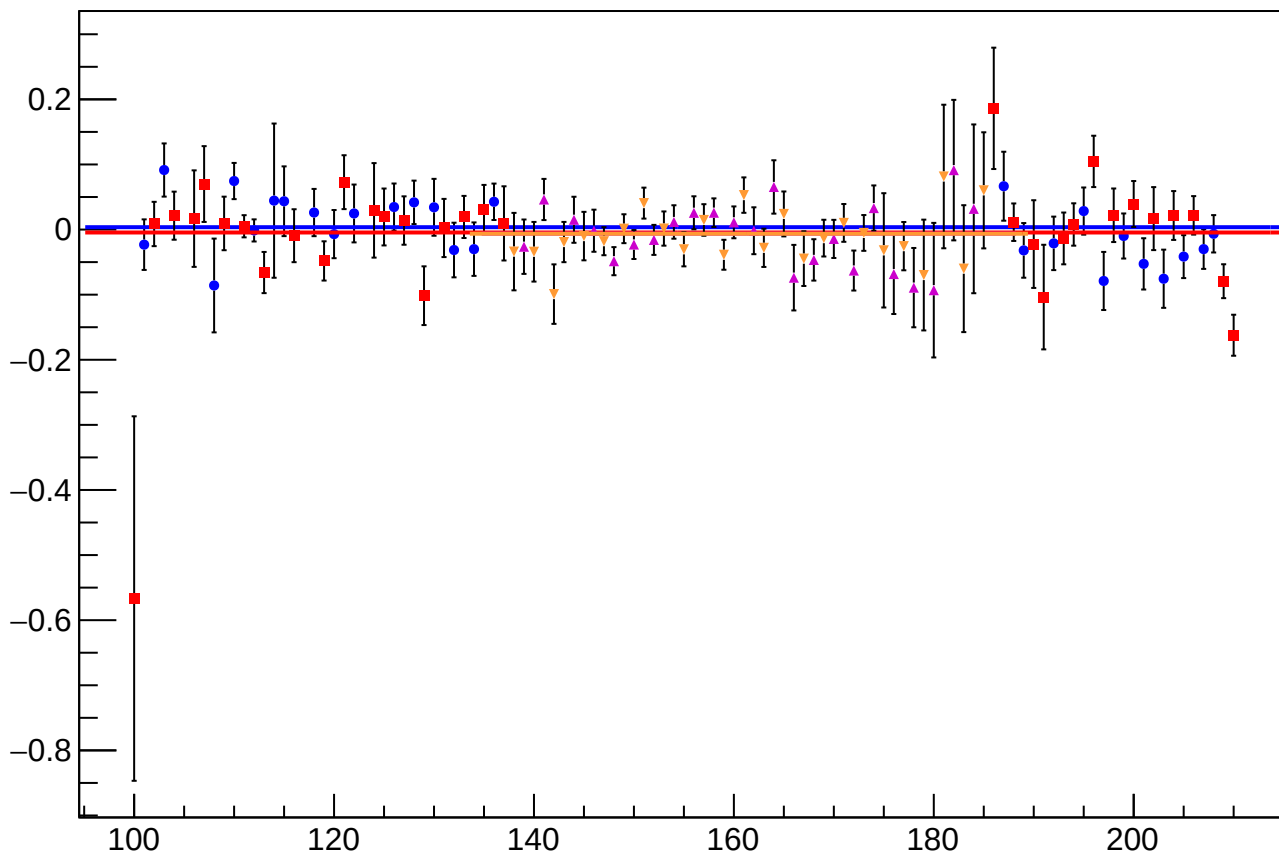
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF:3118315.0/22

+ sign 25.526 $\pm$ 0.003 χ^2 /NDF: 6926184.2/51

All: 25.664 $\pm$ 0.002 χ^2 /NDF: 13173153.3/107

- sign 25.799 $\pm$ 0.003 χ^2 /NDF: 6243516.5/55

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.007 χ^2/NDF : 35.4/26

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: -0.004 ± 0.006 χ^2/NDF : 73.9/32

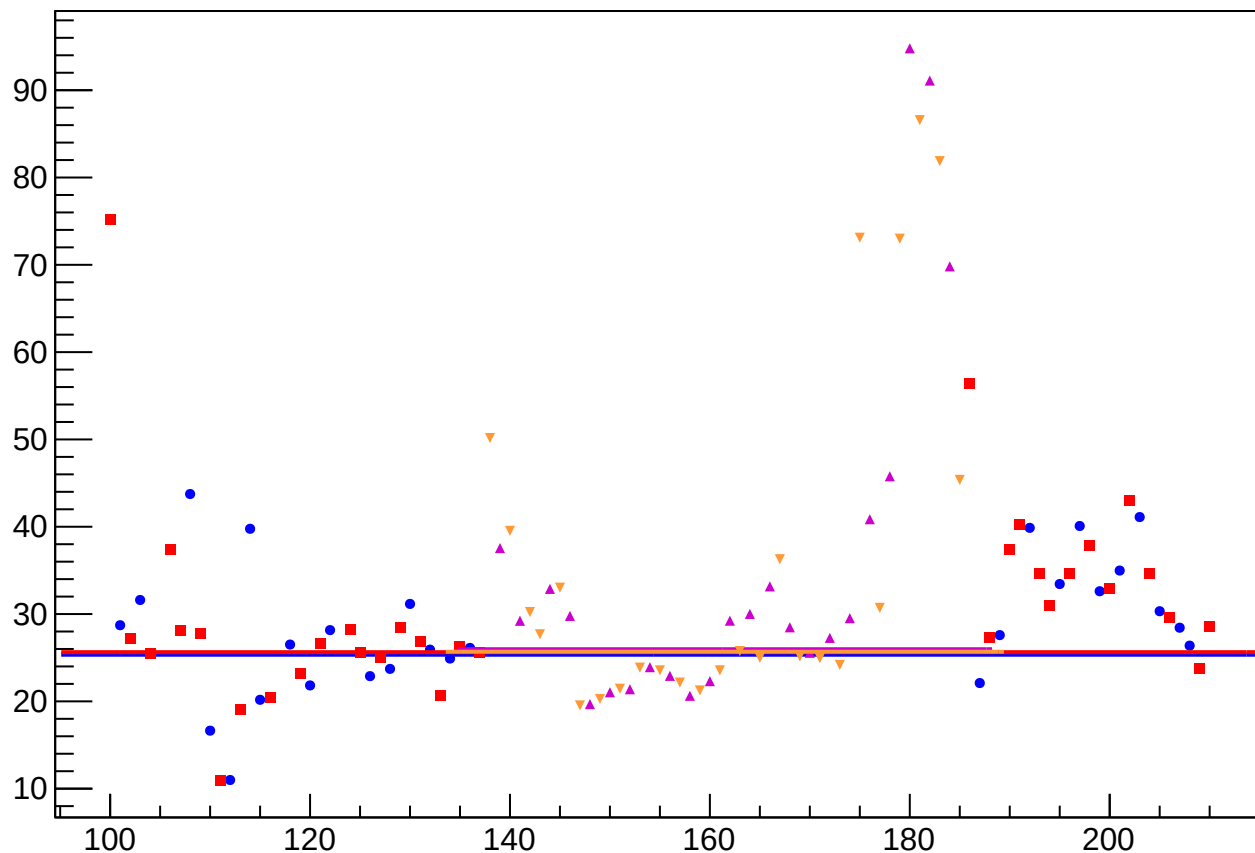
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign -0.002 ± 0.005 χ^2/NDF : 59.1/51

All: -0.004 ± 0.003 χ^2/NDF : 161.7/107

- sign -0.005 ± 0.005 χ^2/NDF : 102.3/55

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.342 $\pm$ 0.005 χ^2 /NDF: 3051964.9/26

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF: 3871544.4/24

Right Out: 25.634 $\pm$ 0.005 χ^2 /NDF: 3122547.7/32

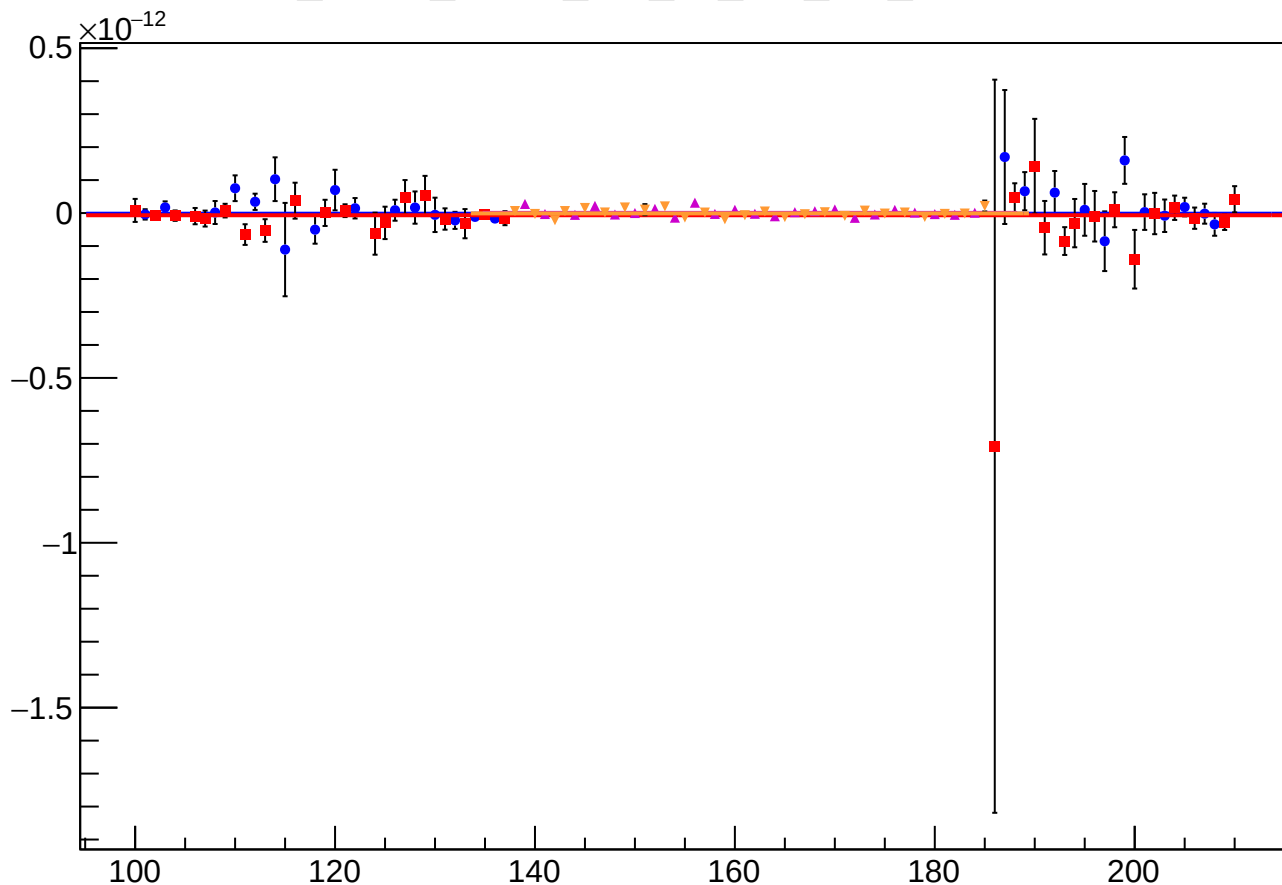
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF: 3118315.0/22

+ sign 25.526 $\pm$ 0.003 χ^2 /NDF: 6926184.2/51

All: 25.664 $\pm$ 0.002 χ^2 /NDF: 13173153.3/107

- sign 25.799 $\pm$ 0.003 χ^2 /NDF: 6243516.5/55

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2 /NDF: 28.8/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 23.0/32

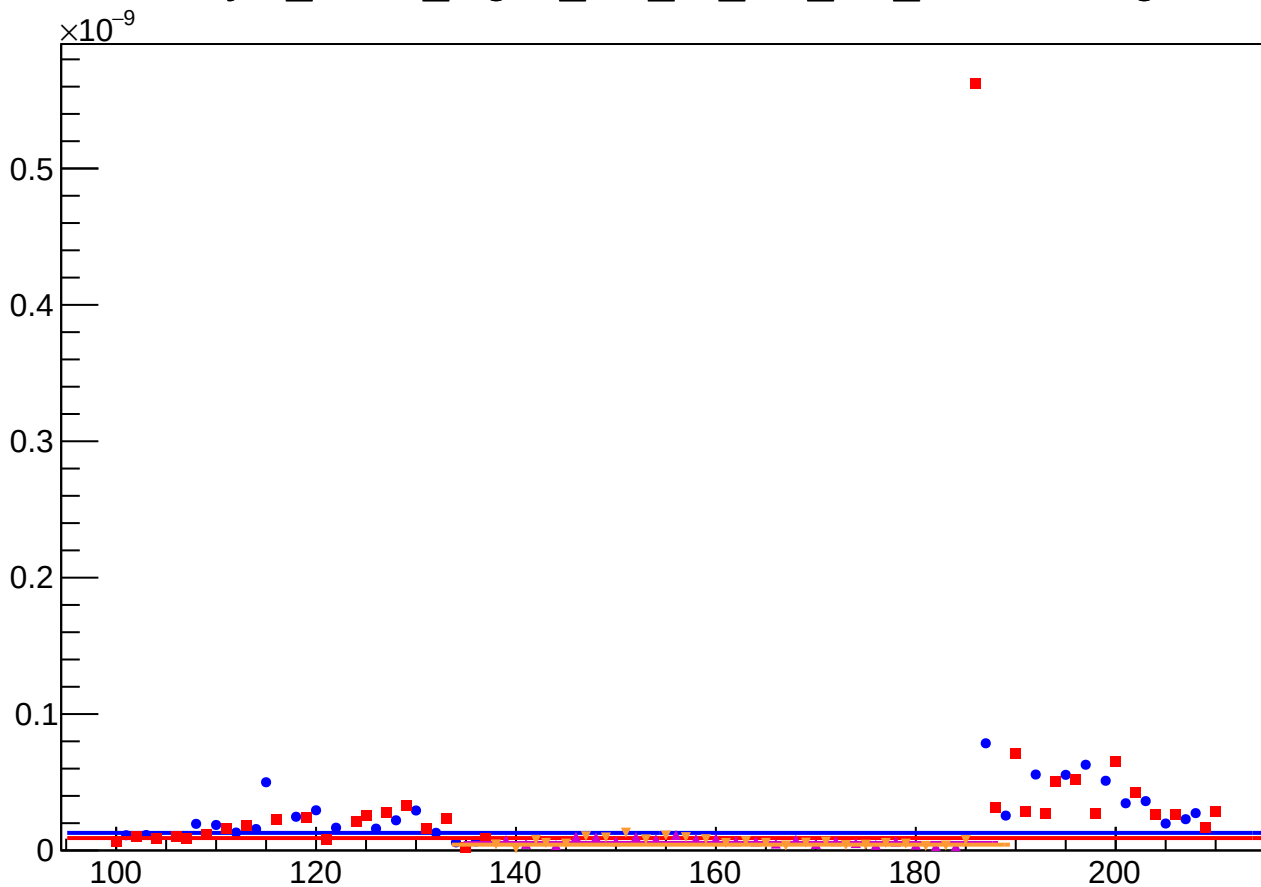
Left In: 0.000+/-0.000 χ^2 /NDF: 29.7/22

+ sign -0.000+/-0.000 χ^2 /NDF: 56.6/51

All: -0.000+/-0.000 χ^2 /NDF: 112.0/107

- sign -0.000+/-0.000 χ^2 /NDF: 55.3/55

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6776958.8/26

Left Out: 0.000+/-0.000 χ^2/NDF : 5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11018107.5/32

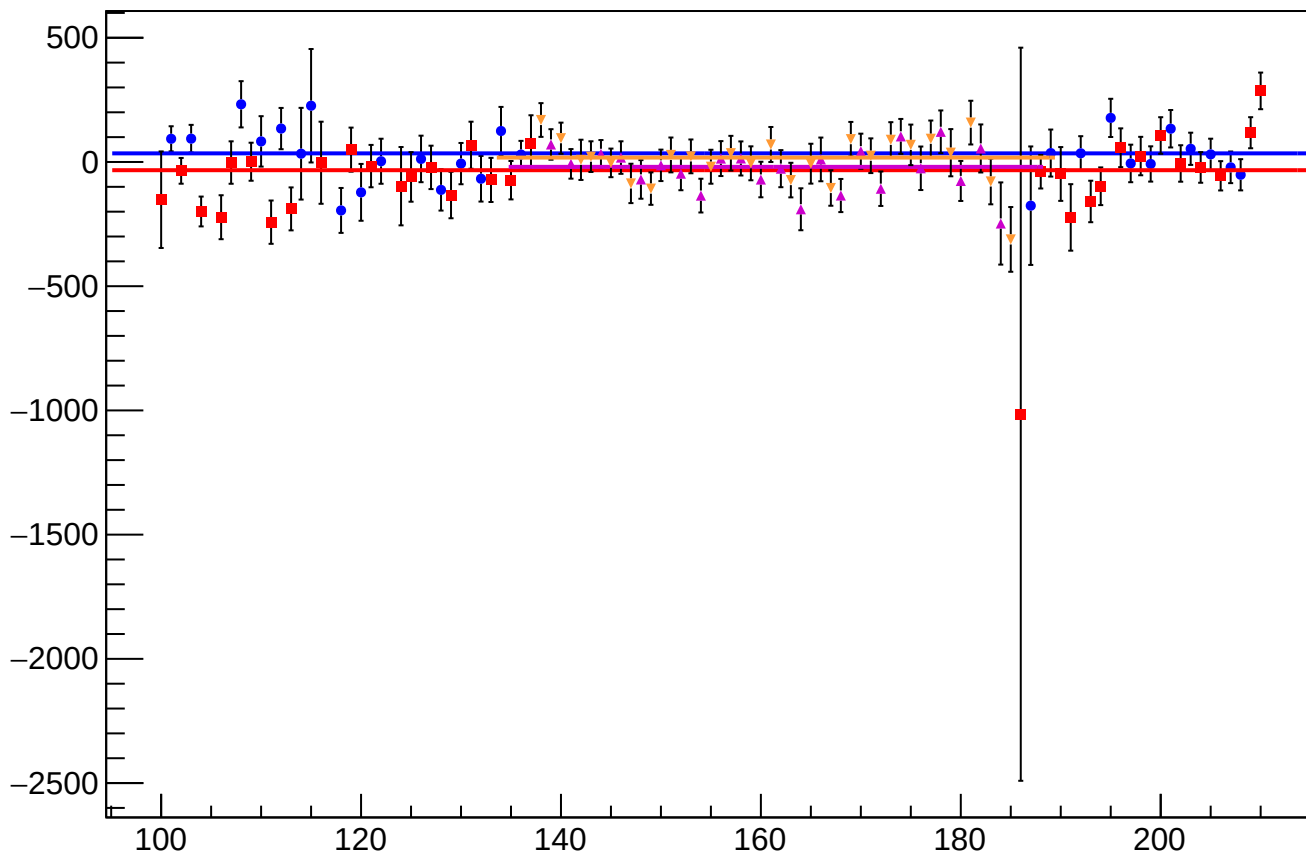
Left In: 0.000+/-0.000 χ^2/NDF : 2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 17443682.5/51

All: 0.000+/-0.000 χ^2/NDF : 33217168.4/107

- sign 0.000+/-0.000 χ^2/NDF : 15172394.5/55

reg_asym_sam_15_avg_mean vs Slug



Right In: 34.694 ± 14.993 χ^2/NDF : 32.7/26

Left Out: 17.800 ± 14.495 χ^2/NDF : 31.6/24

Right Out: -33.063 ± 14.255 χ^2/NDF : 62.7/32

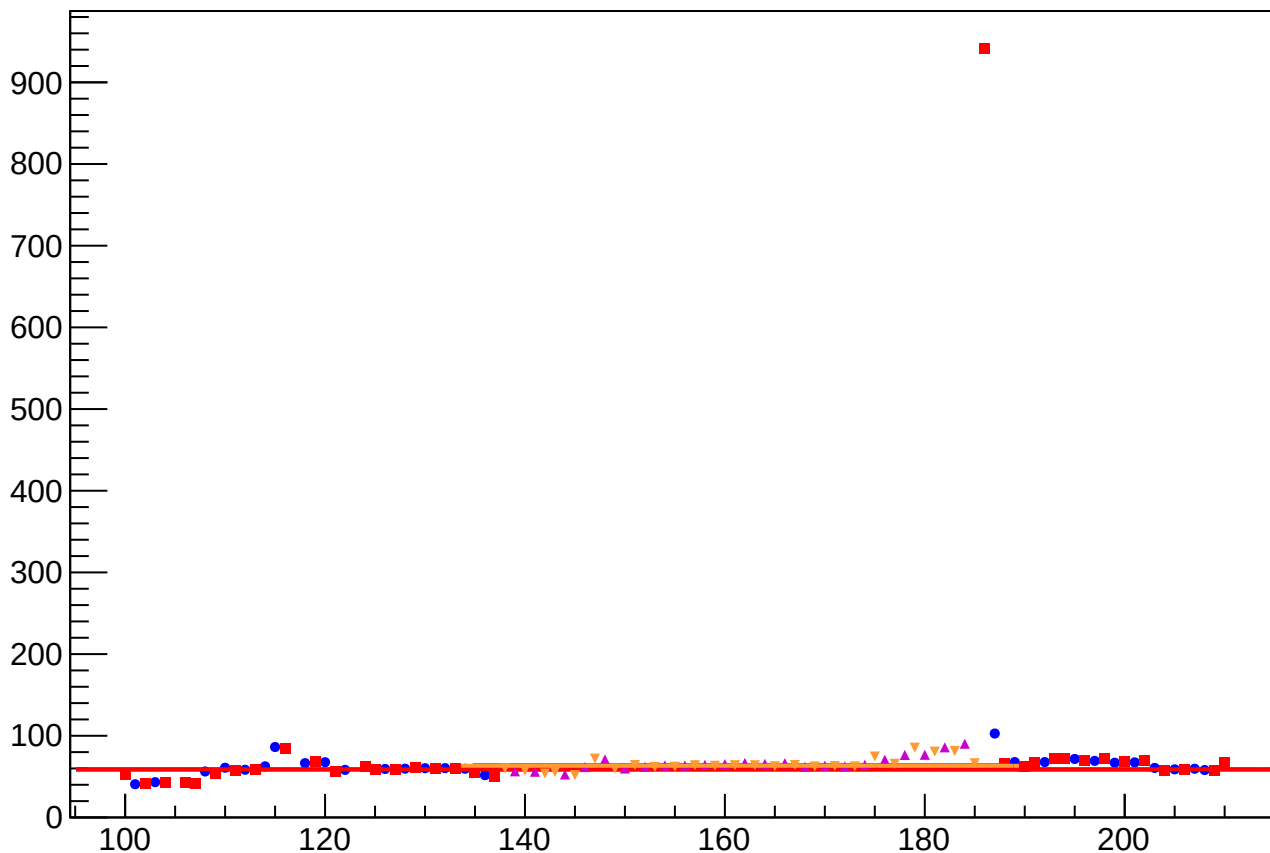
Left In: -19.642 ± 15.040 χ^2/NDF : 26.2/22

+ sign 25.962 ± 10.421 χ^2/NDF : 64.9/51

All: -0.565 ± 7.342 χ^2/NDF : 167.1/107

- sign -26.712 ± 10.346 χ^2/NDF : 89.4/55

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.704 $\pm$ 0.011 χ^2 /NDF: 777049.2/26

Left Out: 63.312 $\pm$ 0.010 χ^2 /NDF: 497429.6/24

Right Out: 58.939 $\pm$ 0.010 χ^2 /NDF: 1673991.0/32

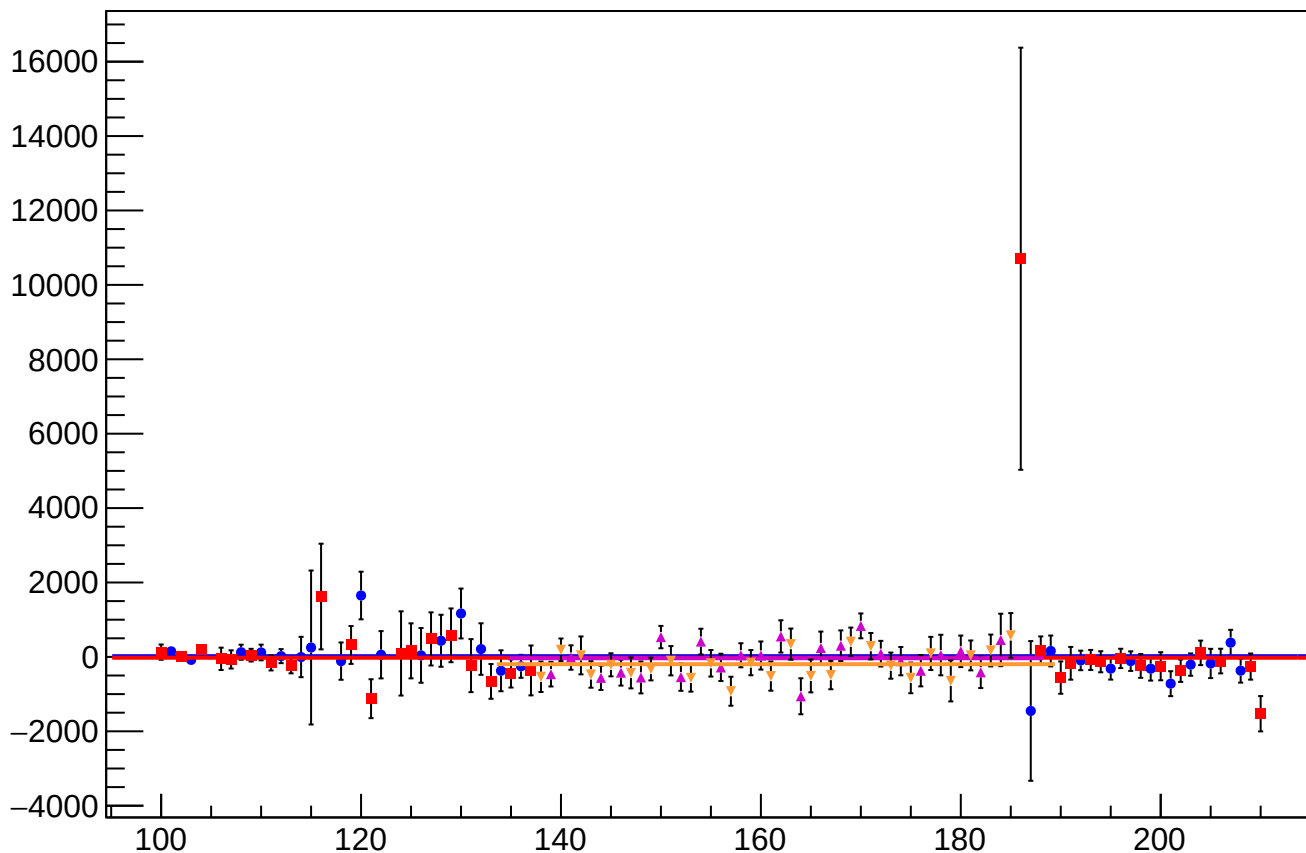
Left In: 63.918 $\pm$ 0.011 χ^2 /NDF: 445309.5/22

+ sign 61.086 $\pm$ 0.007 χ^2 /NDF: 1372159.1/51

All: 61.191 $\pm$ 0.005 χ^2 /NDF: 3607359.1/107

- sign 61.295 $\pm$ 0.007 χ^2 /NDF: 2234794.1/55

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 19.533 ± 42.111 χ^2/NDF : 28.6/26

Left Out: -195.947 ± 77.088 χ^2/NDF : 20.6/24

Right Out: -22.734 ± 44.146 χ^2/NDF : 37.6/32

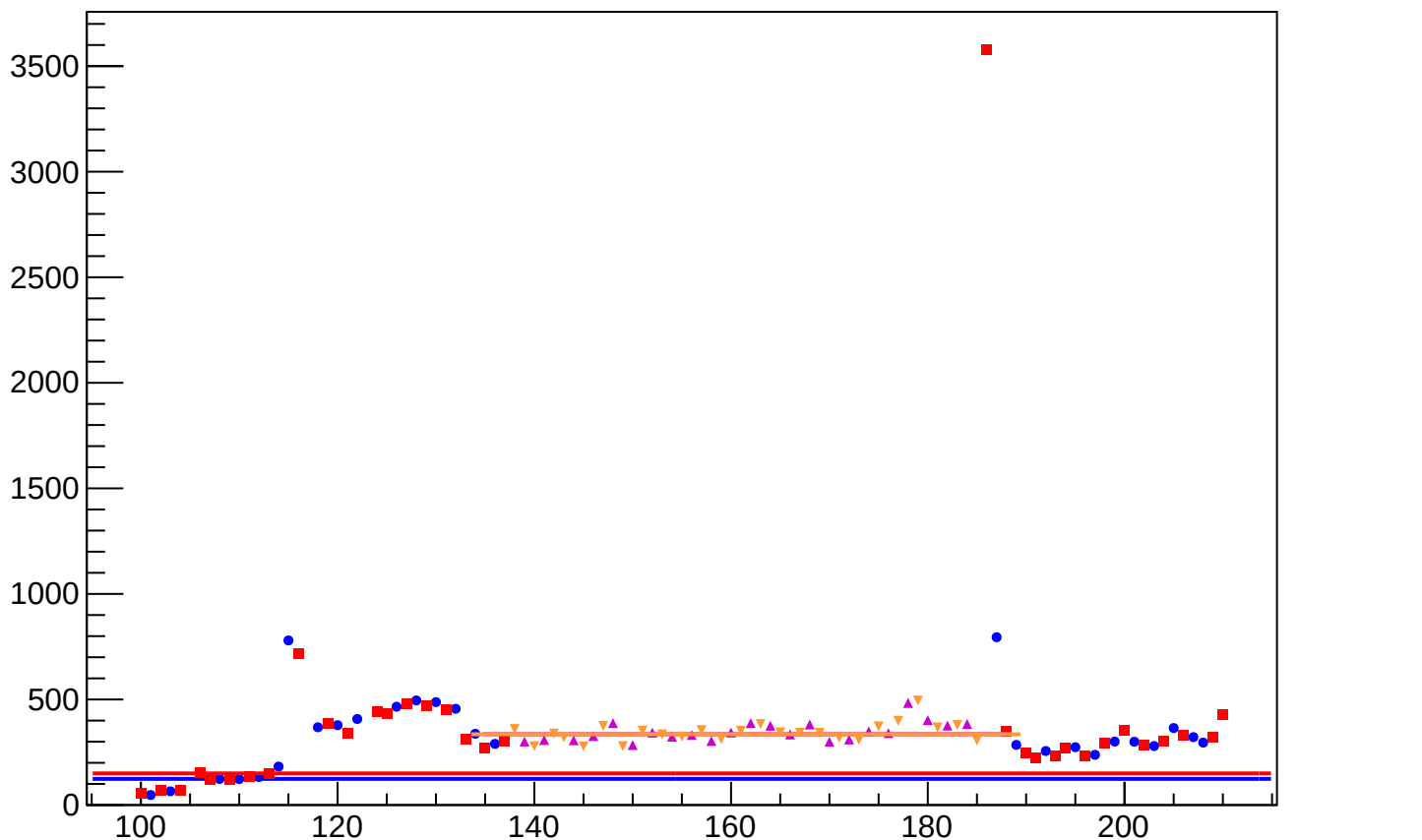
Left In: -36.417 ± 79.210 χ^2/NDF : 31.1/22

+ sign -29.990 ± 36.956 χ^2/NDF : 55.2/51

All: -28.069 ± 26.681 χ^2/NDF : 123.9/107

- sign -25.977 ± 38.562 χ^2/NDF : 68.7/55

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 123.930 $\pm$ 0.030 χ^2 /NDF: 13434629.8/26

Left Out: 335.271 $\pm$ 0.055 χ^2 /NDF:563801.0/24

Right Out: 149.791 $\pm$ 0.031 χ^2 /NDF: 12519051.2/32

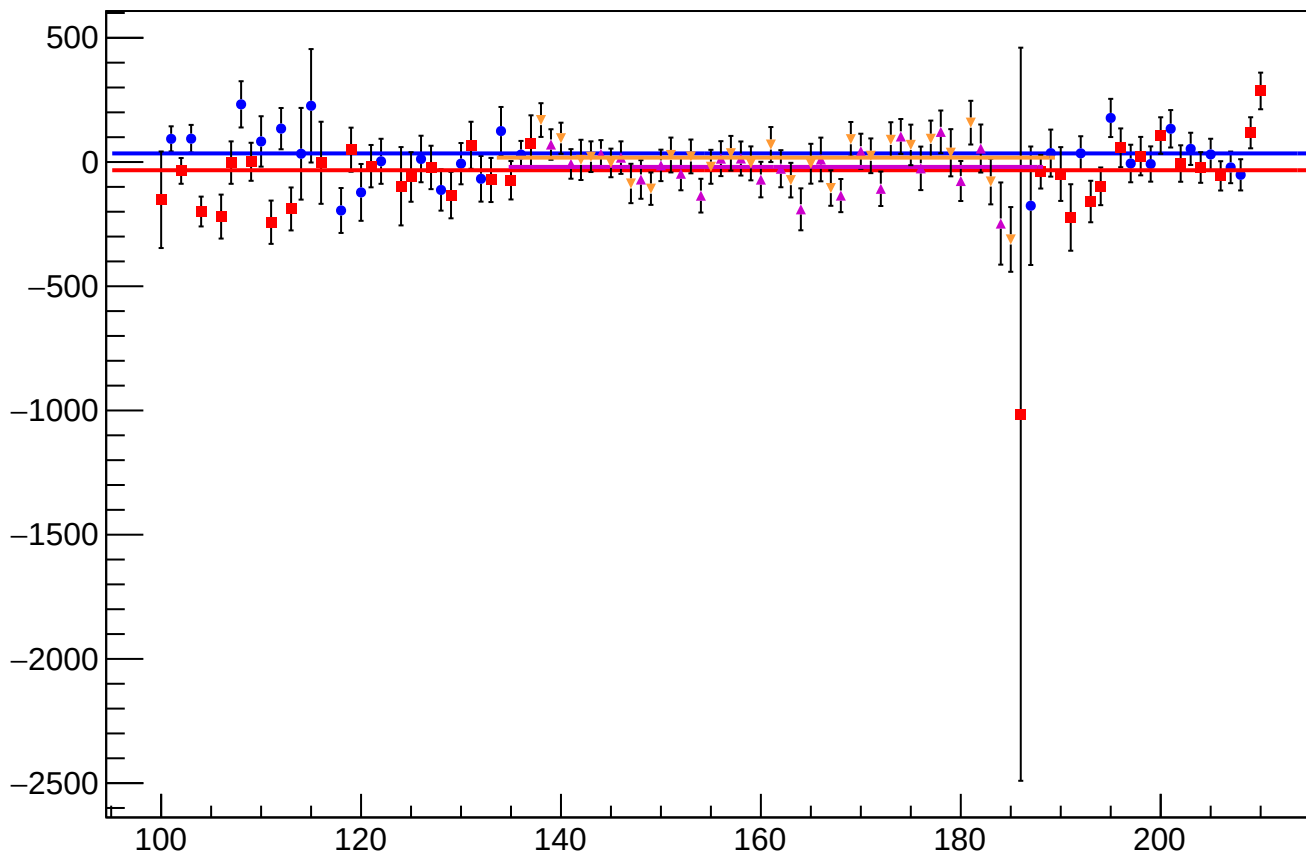
Left In: 335.526 $\pm$ 0.056 χ^2 /NDF:495163.6/22

+ sign 172.502 $\pm$ 0.026 χ^2 /NDF: 25575817.2/51

All: 182.703 $\pm$ 0.019 χ^2 /NDF: 47298769.2/10

- sign 193.810 $\pm$ 0.027 χ^2 /NDF: 21404620.1/55

cor_asym_sam_15_avg_mean vs Slug



Right In: 34.701 ± 14.993 χ^2/NDF : 32.7/26

Left Out: 17.804 ± 14.495 χ^2/NDF : 31.6/24

Right Out: -32.991 ± 14.255 χ^2/NDF : 62.6/32

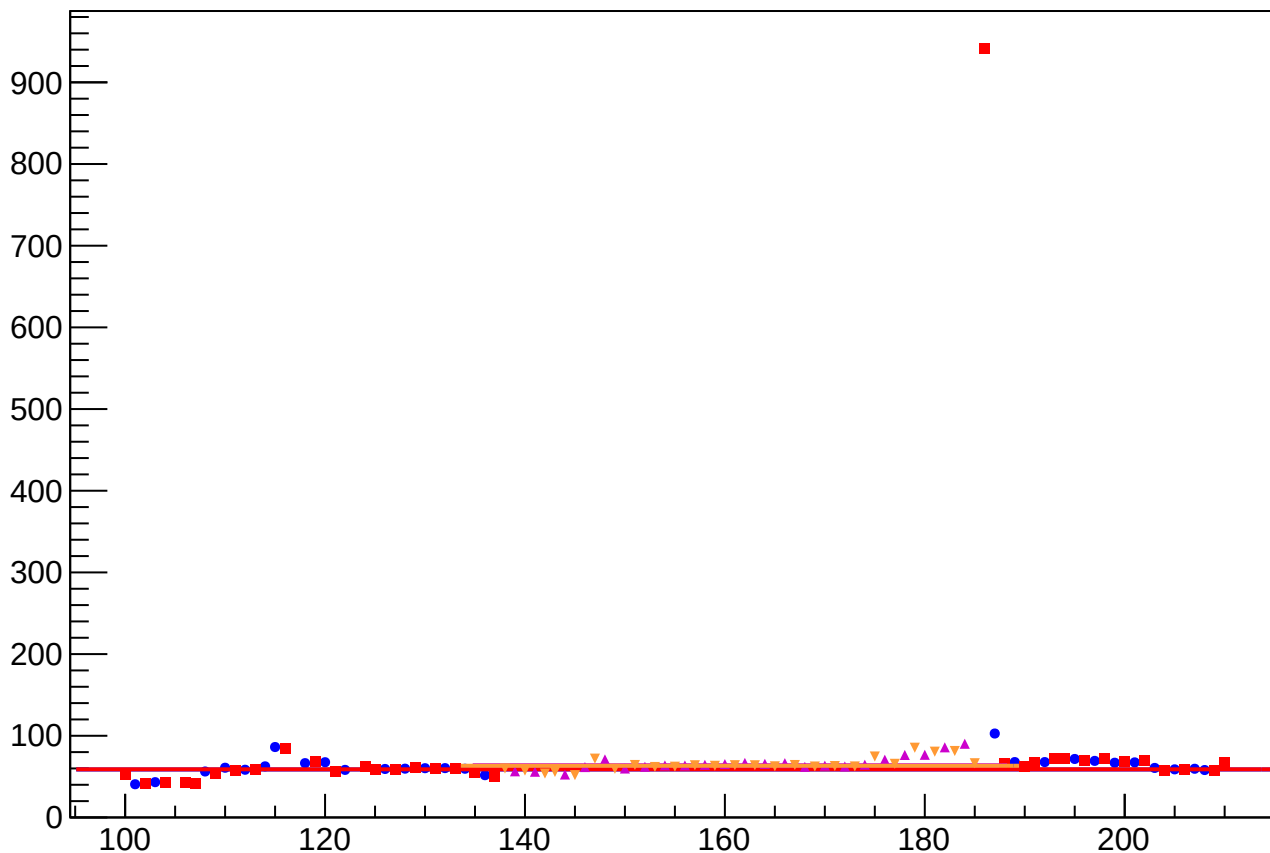
Left In: -19.642 ± 15.040 χ^2/NDF : 26.2/22

+ sign 25.967 ± 10.421 χ^2/NDF : 64.9/51

All: -0.542 ± 7.342 χ^2/NDF : 167.0/107

- sign -26.674 ± 10.346 χ^2/NDF : 89.2/55

cor_asym_sam_15_avg_rms vs Slug



Right In: 58.704 $\pm$ 0.011 χ^2 /NDF: 777048.2/26

Left Out: 63.312 $\pm$ 0.010 χ^2 /NDF: 497429.6/24

Right Out: 58.938 $\pm$ 0.010 χ^2 /NDF: 1674410.7/32

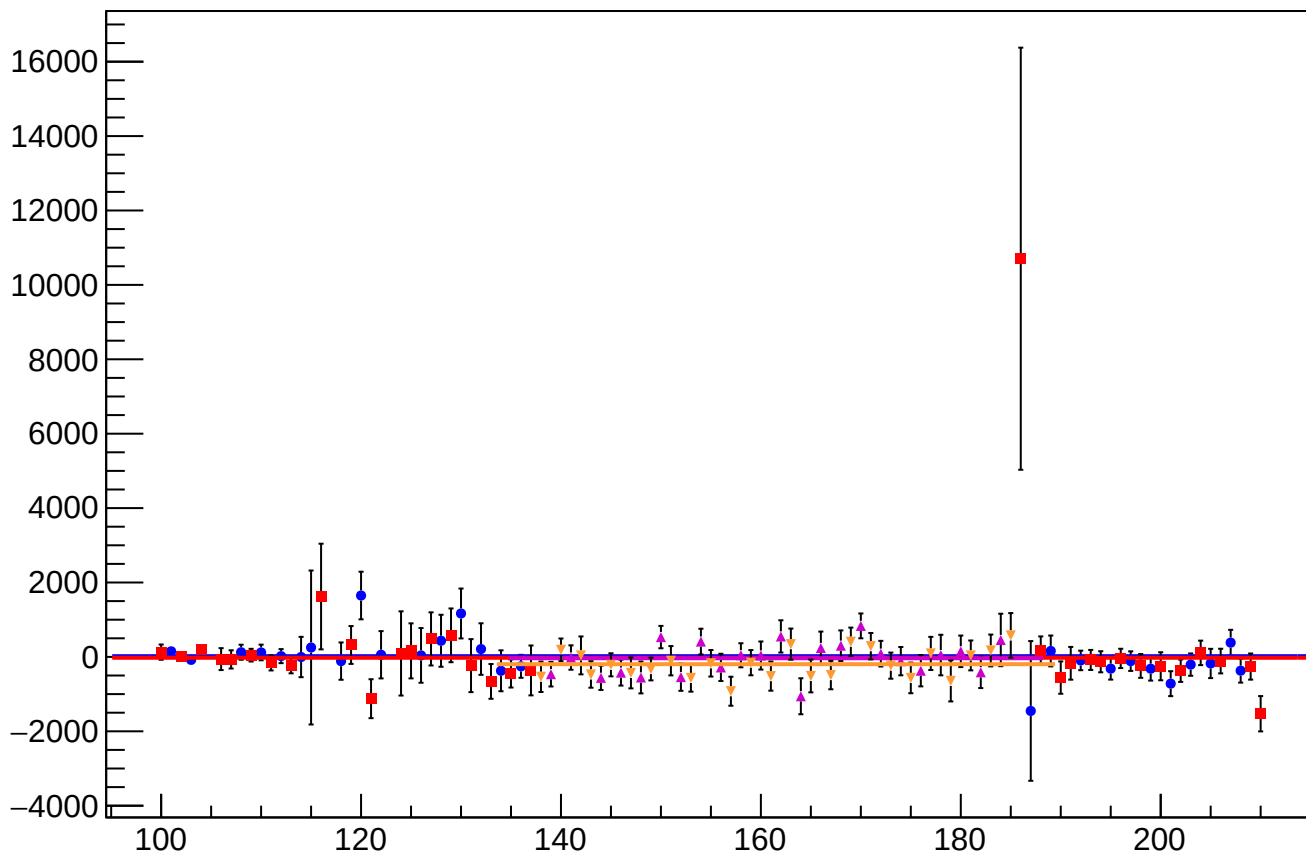
Left In: 63.918 $\pm$ 0.011 χ^2 /NDF: 445309.5/22

+ sign 61.086 $\pm$ 0.007 χ^2 /NDF: 1372158.0/51

All: 61.191 $\pm$ 0.005 χ^2 /NDF: 3607806.1/107

- sign 61.295 $\pm$ 0.007 χ^2 /NDF: 2235243.4/55

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 19.538 $\pm$ 42.110 χ^2/NDF : 28.6/26

Left Out: -195.942 $\pm$ 77.088 χ^2/NDF : 20.6/24

Right Out: -23.010 $\pm$ 44.117 χ^2/NDF : 37.6/32

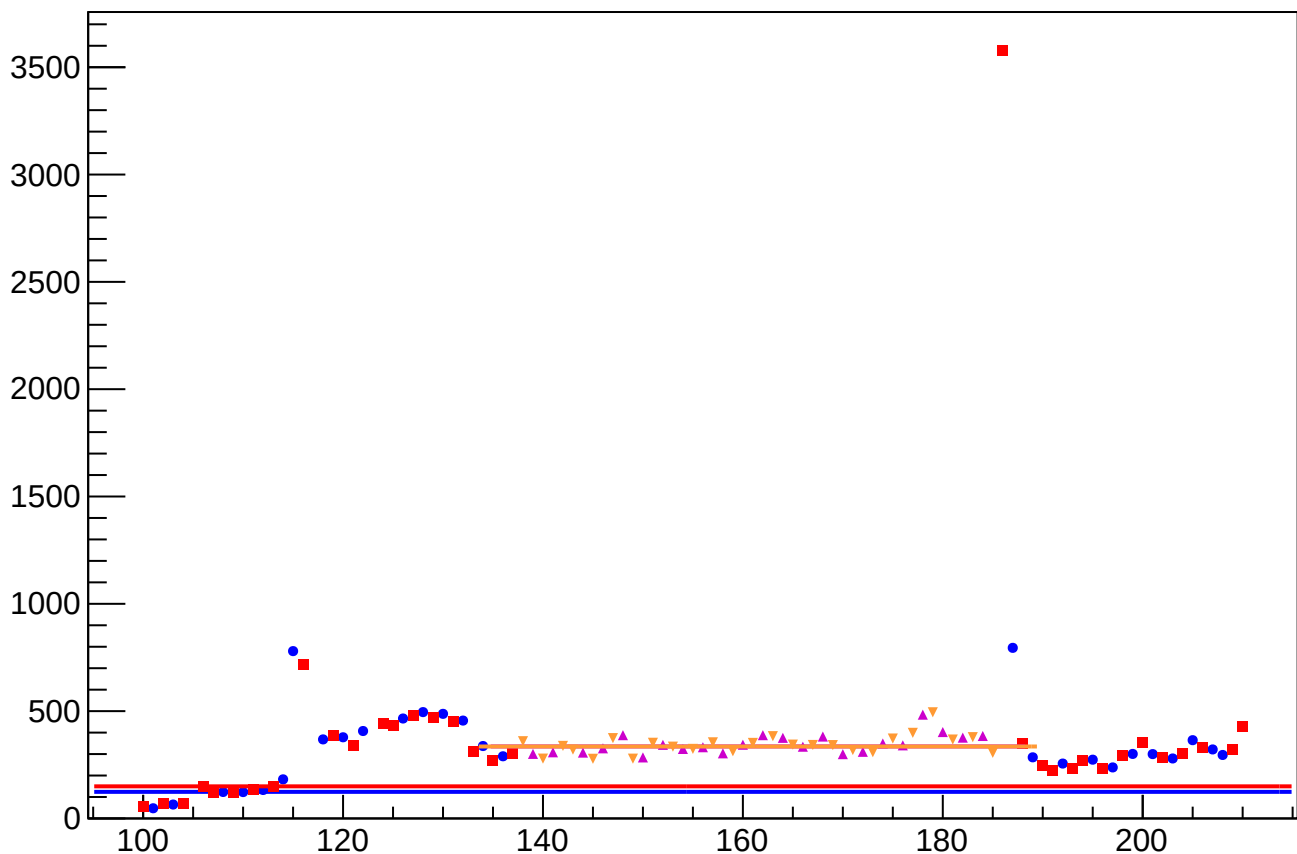
Left In: -36.414 $\pm$ 79.210 χ^2/NDF : 31.1/22

+ sign -29.984 $\pm$ 36.956 χ^2/NDF : 55.2/51

All: -28.163 $\pm$ 26.675 χ^2/NDF : 123.9/107

- sign -26.184 $\pm$ 38.542 χ^2/NDF : 68.7/55

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 123.927+/-0.030 χ^2/NDF : 13434931.8/26

Left Out: 335.271+/-0.055 χ^2/NDF : 563797.0/24

Right Out: 149.599+/-0.031 χ^2/NDF : 12525072.1/32

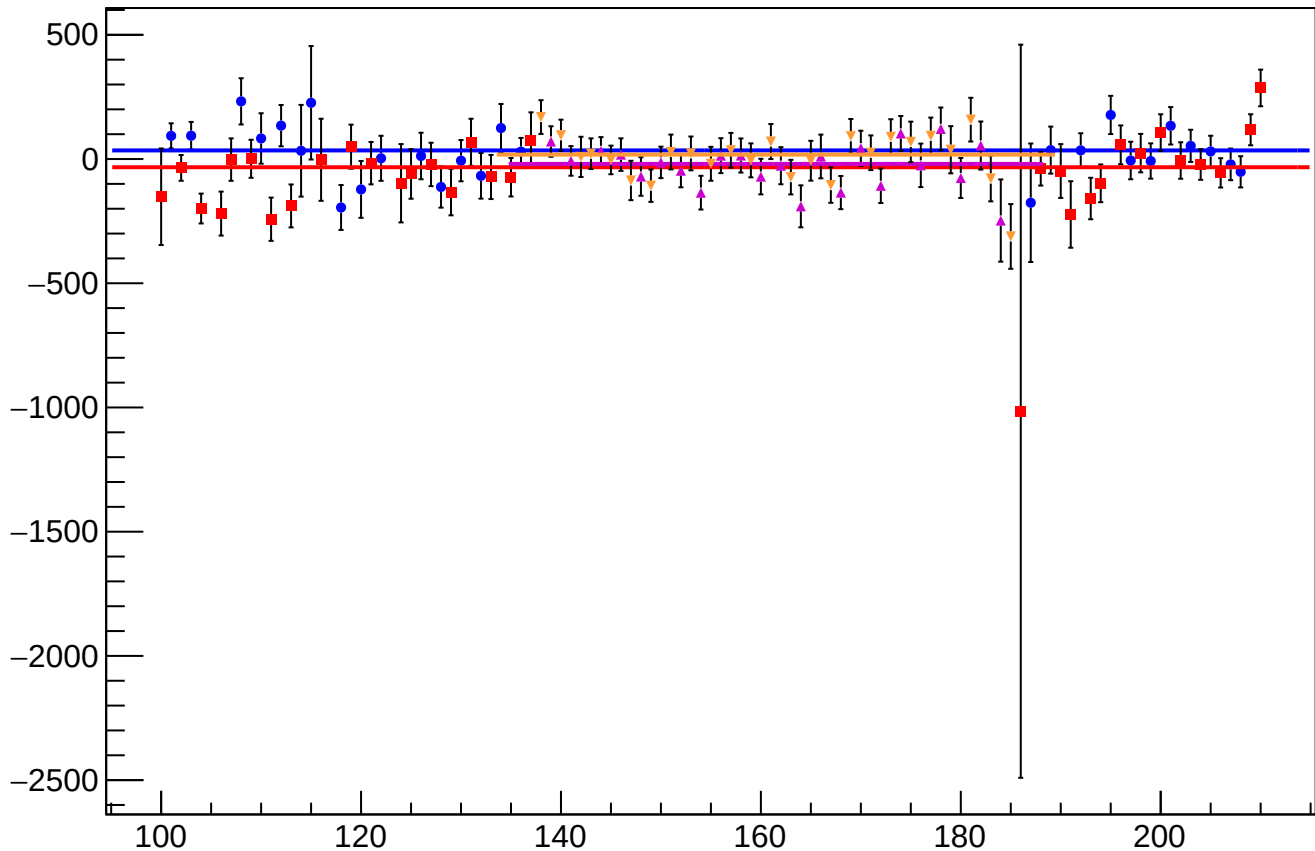
Left In: 335.526+/-0.056 χ^2/NDF : 495170.0/22

+ sign 172.498+/-0.026 χ^2/NDF : 25576587.4/51

All: 182.615+/-0.019 χ^2/NDF : 47320135.6/10

- sign 193.620+/-0.027 χ^2/NDF : 21430600.5/55

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 34.701 ± 14.993 χ^2/NDF : 32.7/26

Left Out: 17.804 ± 14.495 χ^2/NDF : 31.6/24

Right Out: -32.991 ± 14.255 χ^2/NDF : 62.6/32

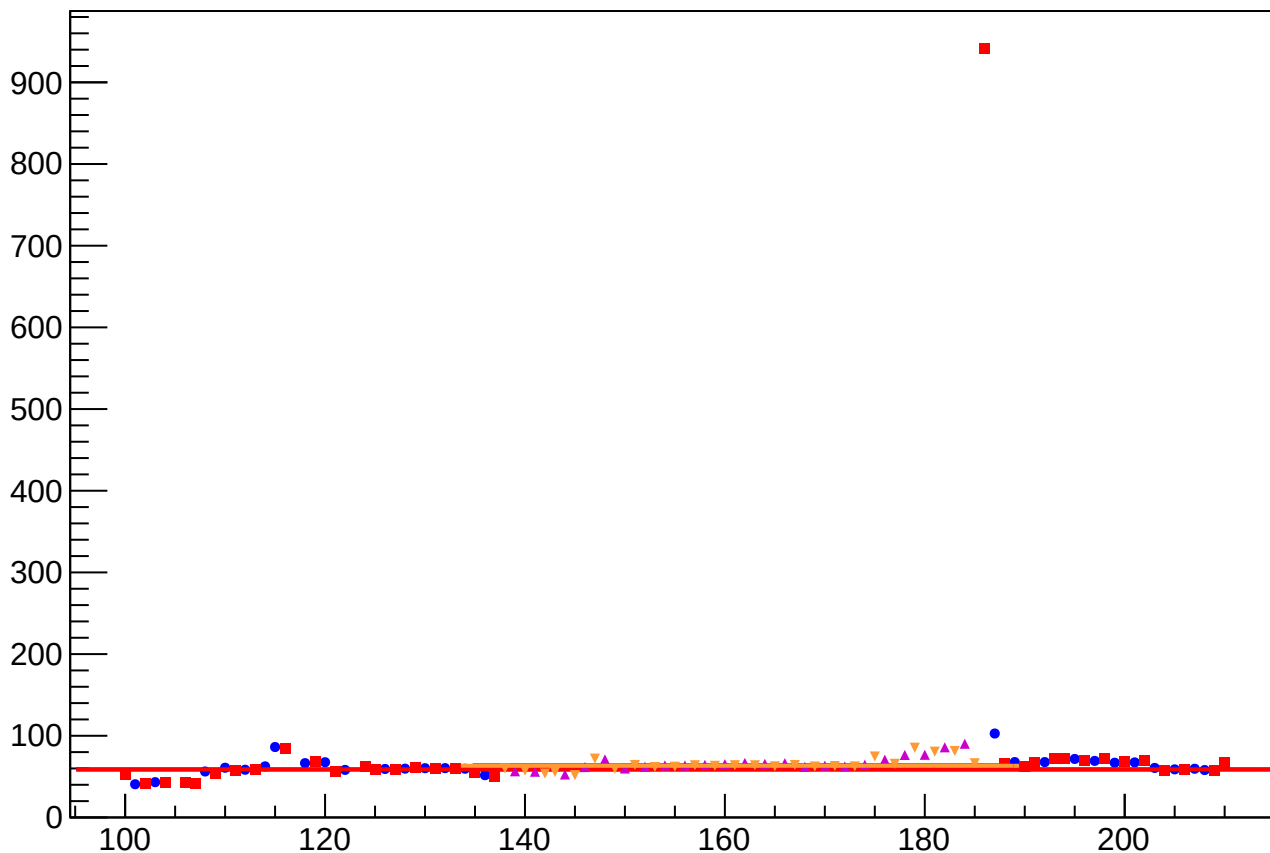
Left In: -19.642 ± 15.040 χ^2/NDF : 26.2/22

+ sign 25.967 ± 10.421 χ^2/NDF : 64.9/51

All: -0.542 ± 7.342 χ^2/NDF : 167.0/107

- sign -26.674 ± 10.346 χ^2/NDF : 89.2/55

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 58.704 $\pm$ 0.011 χ^2 /NDF: 777048.2/26

Left Out: 63.312 $\pm$ 0.010 χ^2 /NDF: 497429.6/24

Right Out: 58.938 $\pm$ 0.010 χ^2 /NDF: 1674410.7/32

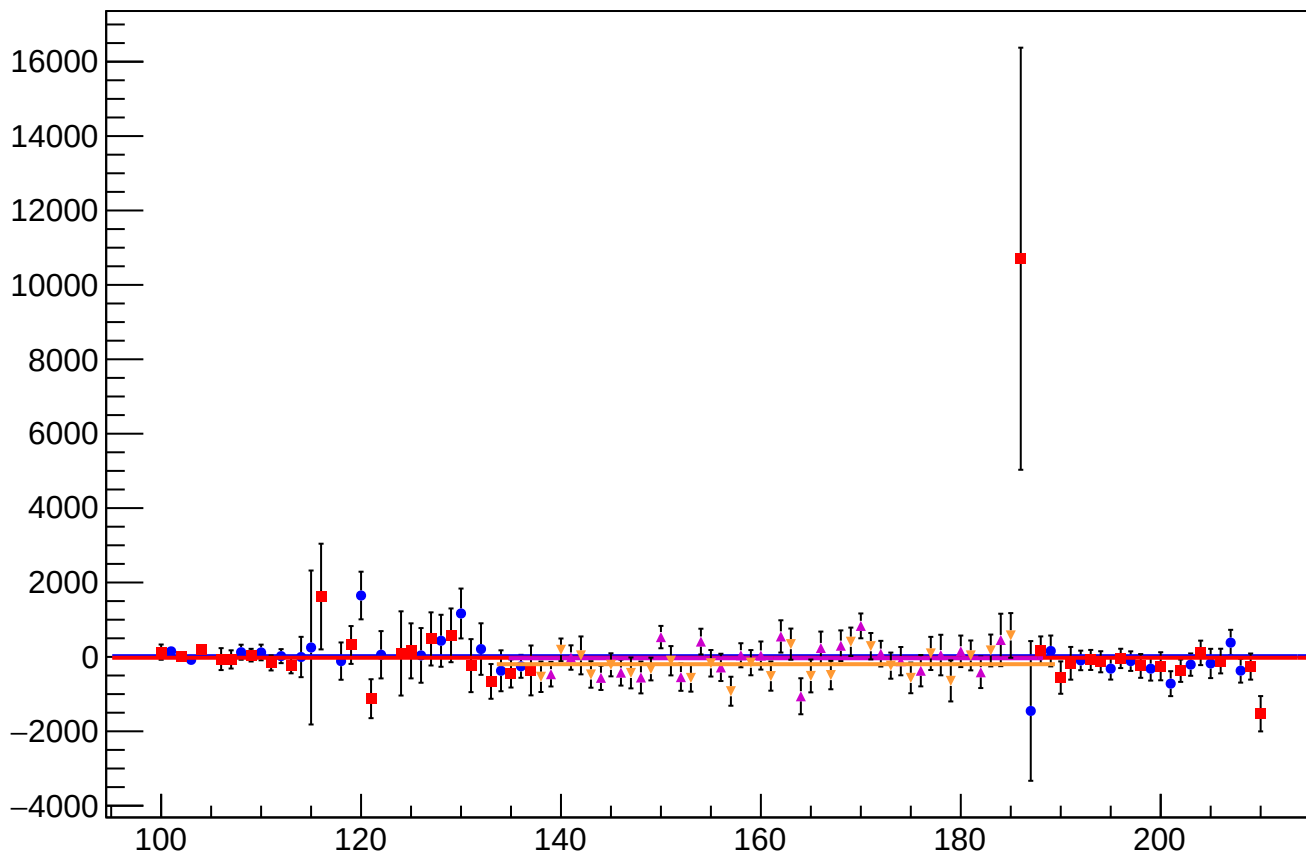
Left In: 63.918 $\pm$ 0.011 χ^2 /NDF: 445309.5/22

+ sign 61.086 $\pm$ 0.007 χ^2 /NDF: 1372158.0/51

All: 61.191 $\pm$ 0.005 χ^2 /NDF: 3607806.1/107

- sign 61.295 $\pm$ 0.007 χ^2 /NDF: 2235243.4/55

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 19.538+/-42.110 χ^2/NDF : 28.6/26

Left Out: -195.942+/-77.088 χ^2/NDF : 20.6/24

Right Out: -23.010+/-44.117 χ^2/NDF : 37.6/32

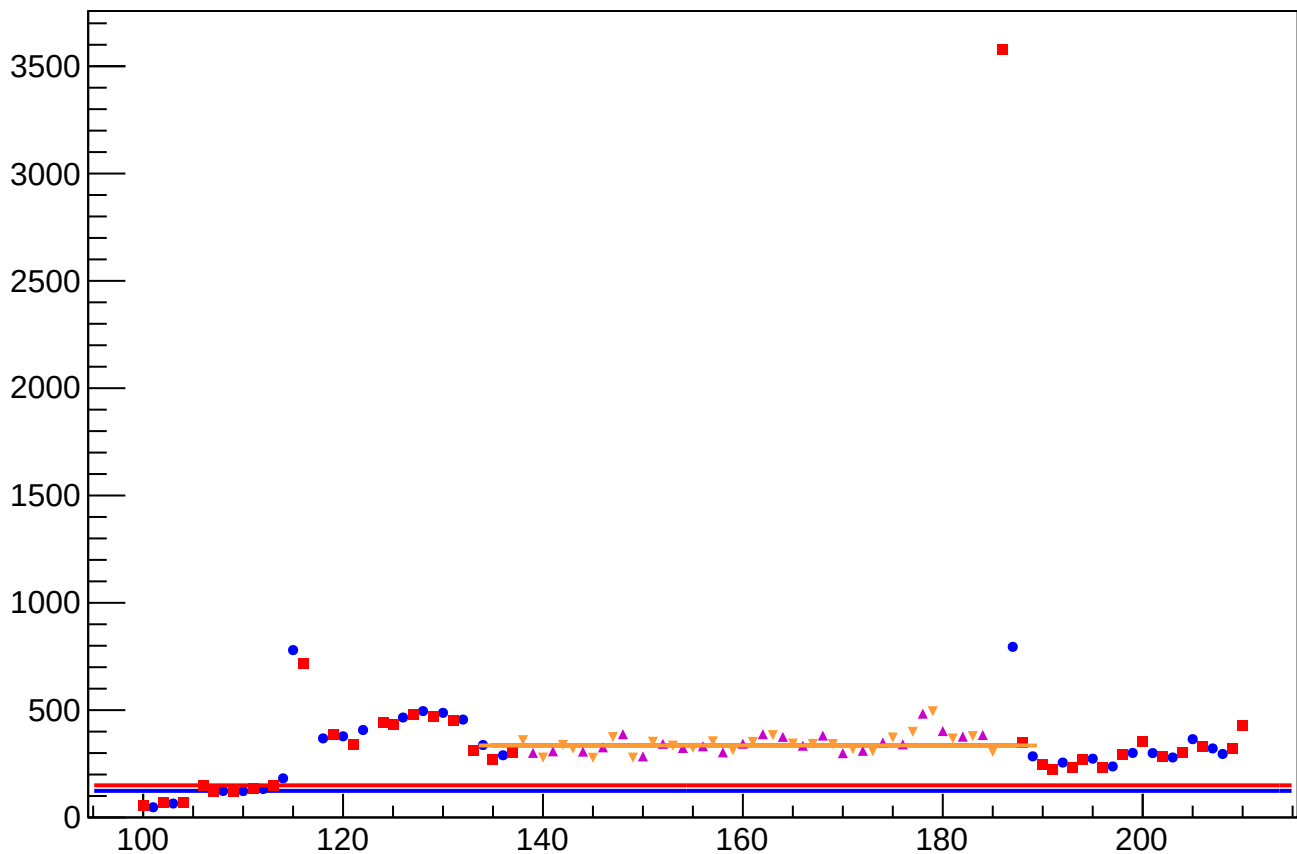
Left In: -36.414+/-79.210 χ^2/NDF : 31.1/22

+ sign -29.984+/-36.956 χ^2/NDF : 55.2/51

All: -28.163+/-26.675 χ^2/NDF : 123.9/107

- sign -26.184+/-38.542 χ^2/NDF : 68.7/55

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 123.927+/-0.030 χ^2/NDF : 13434931.8/26

Left Out: 335.271+/-0.055 χ^2/NDF : 563797.0/24

Right Out: 149.599+/-0.031 χ^2/NDF : 12525072.1/32

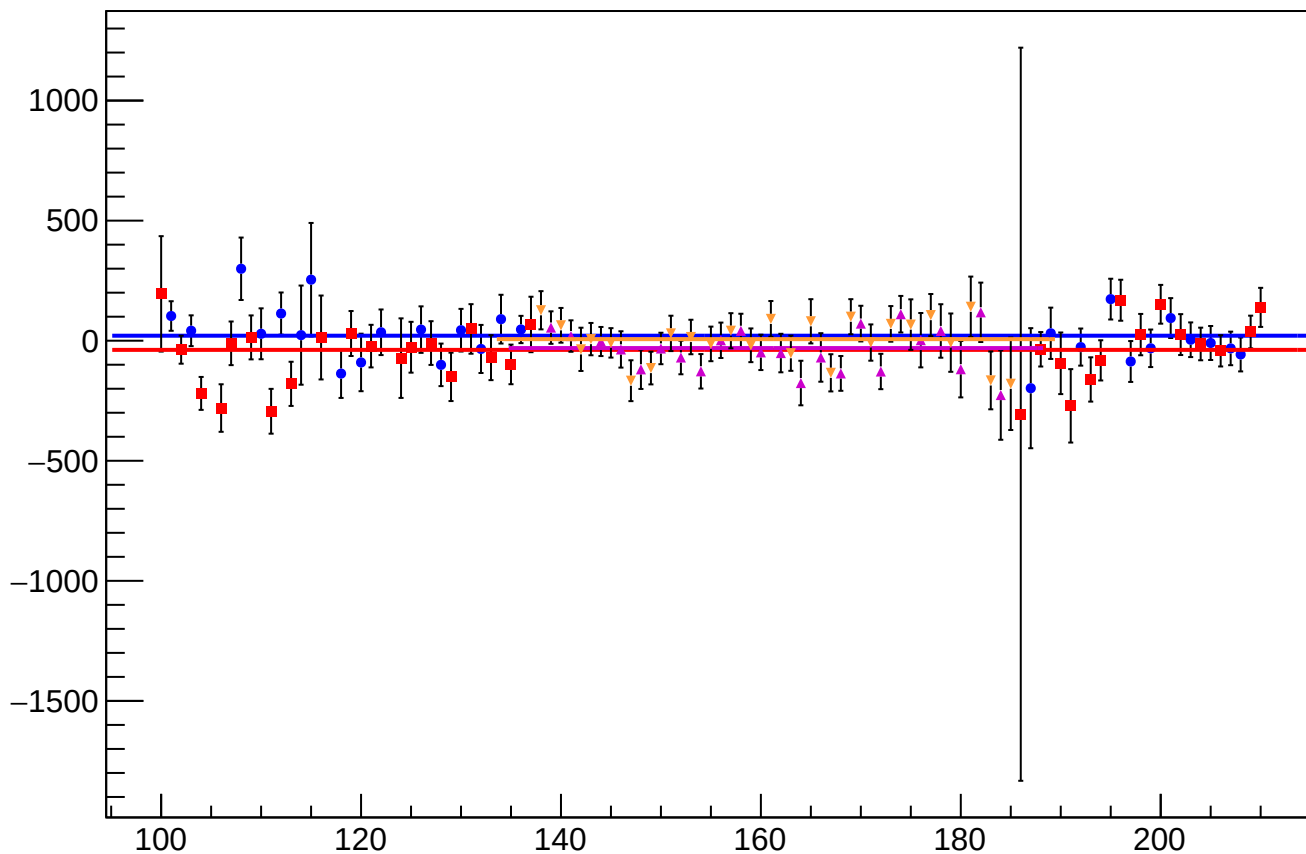
Left In: 335.526+/-0.056 χ^2/NDF : 495170.0/22

+ sign 172.498+/-0.026 χ^2/NDF : 25576587.4/51

All: 182.615+/-0.019 χ^2/NDF : 47320135.6/10

- sign 193.620+/-0.027 χ^2/NDF : 21430600.5/55

dit_asym_sam_15_avg_mean vs Slug



Right In: 20.818 $\pm$ 16.606 χ^2 /NDF: 24.1/26

Left Out: 6.469 $\pm$ 15.977 χ^2 /NDF: 25.1/24

Right Out: -38.203 $\pm$ 15.635 χ^2 /NDF: 51.6/32

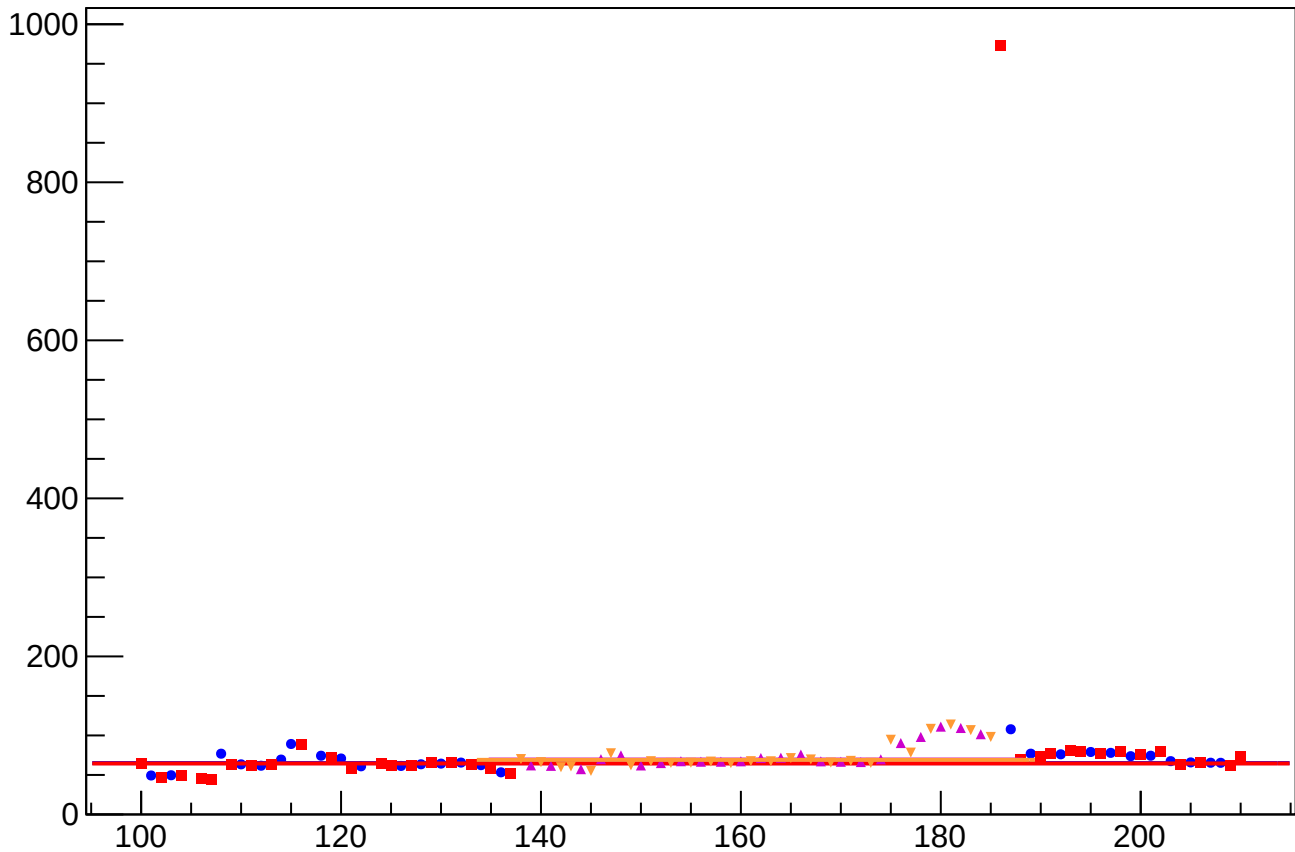
Left In: -30.662 $\pm$ 16.503 χ^2 /NDF: 22.5/22

+ sign 13.367 $\pm$ 11.513 χ^2 /NDF: 49.5/51

All: -10.977 $\pm$ 8.083 χ^2 /NDF: 132.6/107

- sign -34.636 $\pm$ 11.350 χ^2 /NDF: 74.2/55

dit_asym_sam_15_avg_rms vs Slug



Right In: 65.026+/-0.012 χ^2/NDF : 681354.9/26

Left Out: 69.078+/-0.011 χ^2/NDF : 1074001.6/24

Right Out: 64.527+/-0.011 χ^2/NDF : 1663548.3/32

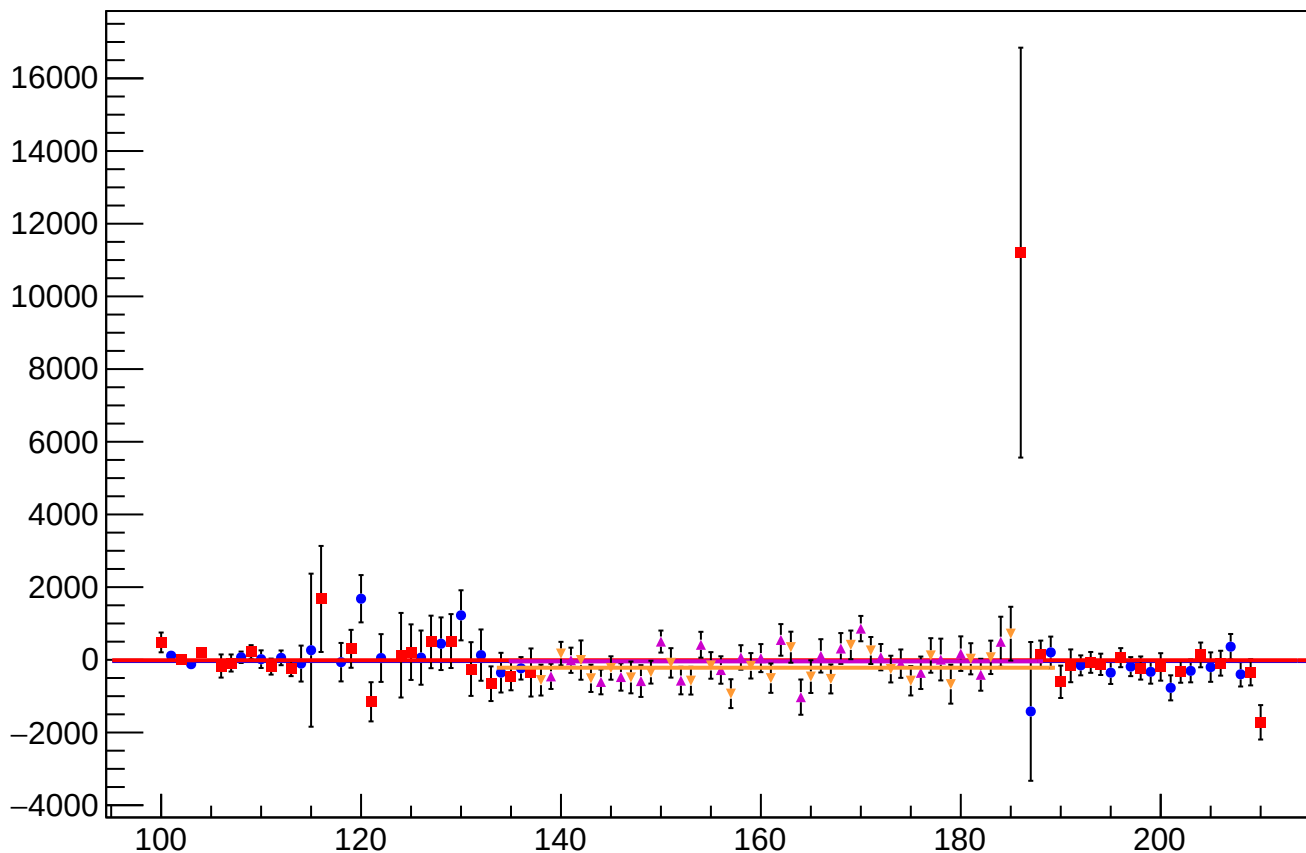
Left In: 69.436+/-0.012 χ^2/NDF : 924607.6/22

+ sign 67.130+/-0.008 χ^2/NDF : 1817212.4/51

All: 66.988+/-0.006 χ^2/NDF : 4499234.5/107

- sign 66.849+/-0.008 χ^2/NDF : 2681417.6/55

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -33.624 ± 47.511 χ^2/NDF : 26.8/26

Left Out: -217.349 ± 80.133 χ^2/NDF : 19.3/24

Right Out: -11.547 ± 46.364 χ^2/NDF : 44.6/32

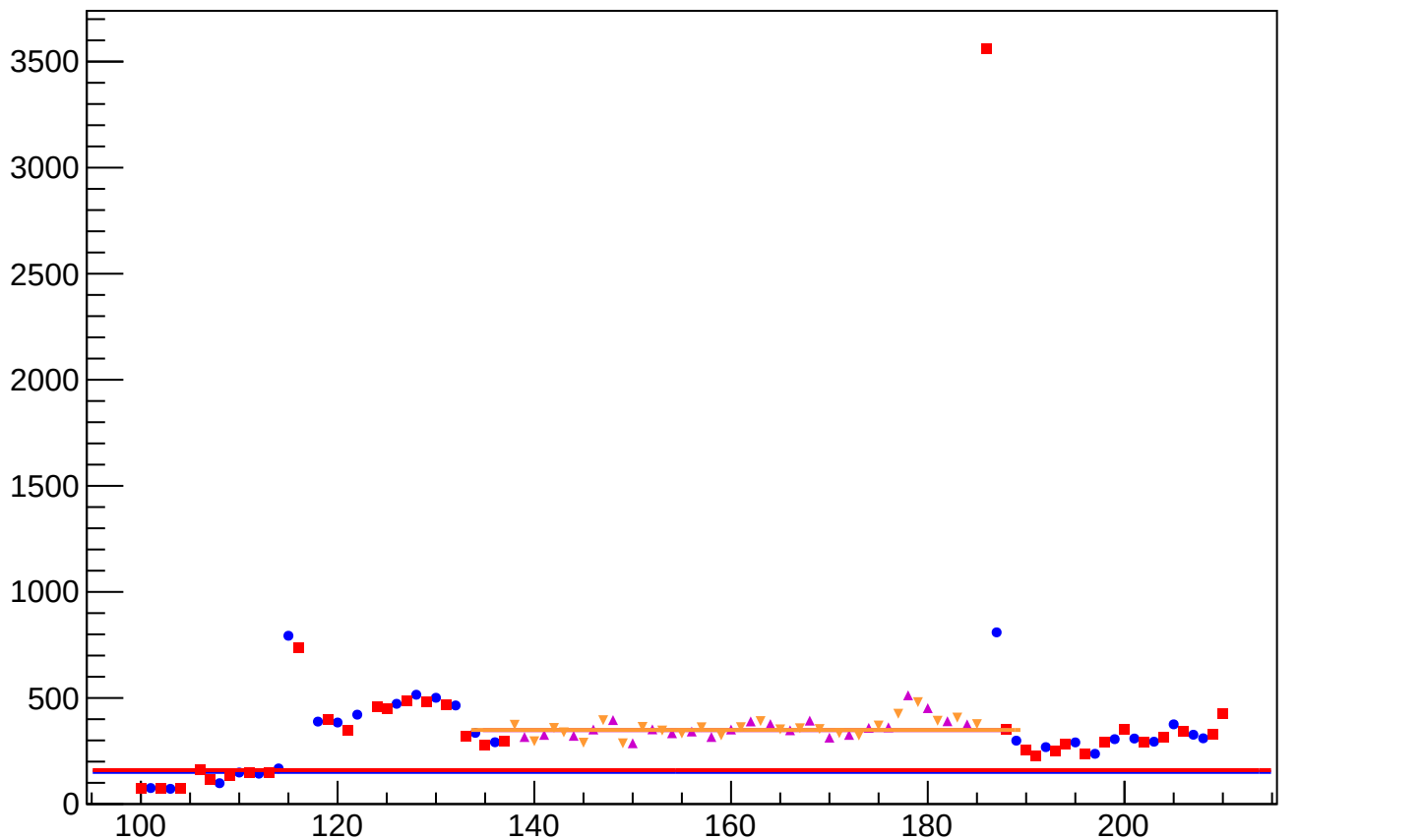
Left In: -41.512 ± 82.256 χ^2/NDF : 30.0/22

+ sign -81.411 ± 40.868 χ^2/NDF : 50.0/51

All: -49.723 ± 28.727 χ^2/NDF : 125.9/107

- sign -18.772 ± 40.390 χ^2/NDF : 74.7/55

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 151.675 $\pm$ 0.034 χ^2 /NDF: 10923880.5/26

Left Out: 349.177 $\pm$ 0.057 χ^2 /NDF: 524075.5/24

Right Out: 160.087 $\pm$ 0.033 χ^2 /NDF: 11856737.3/32

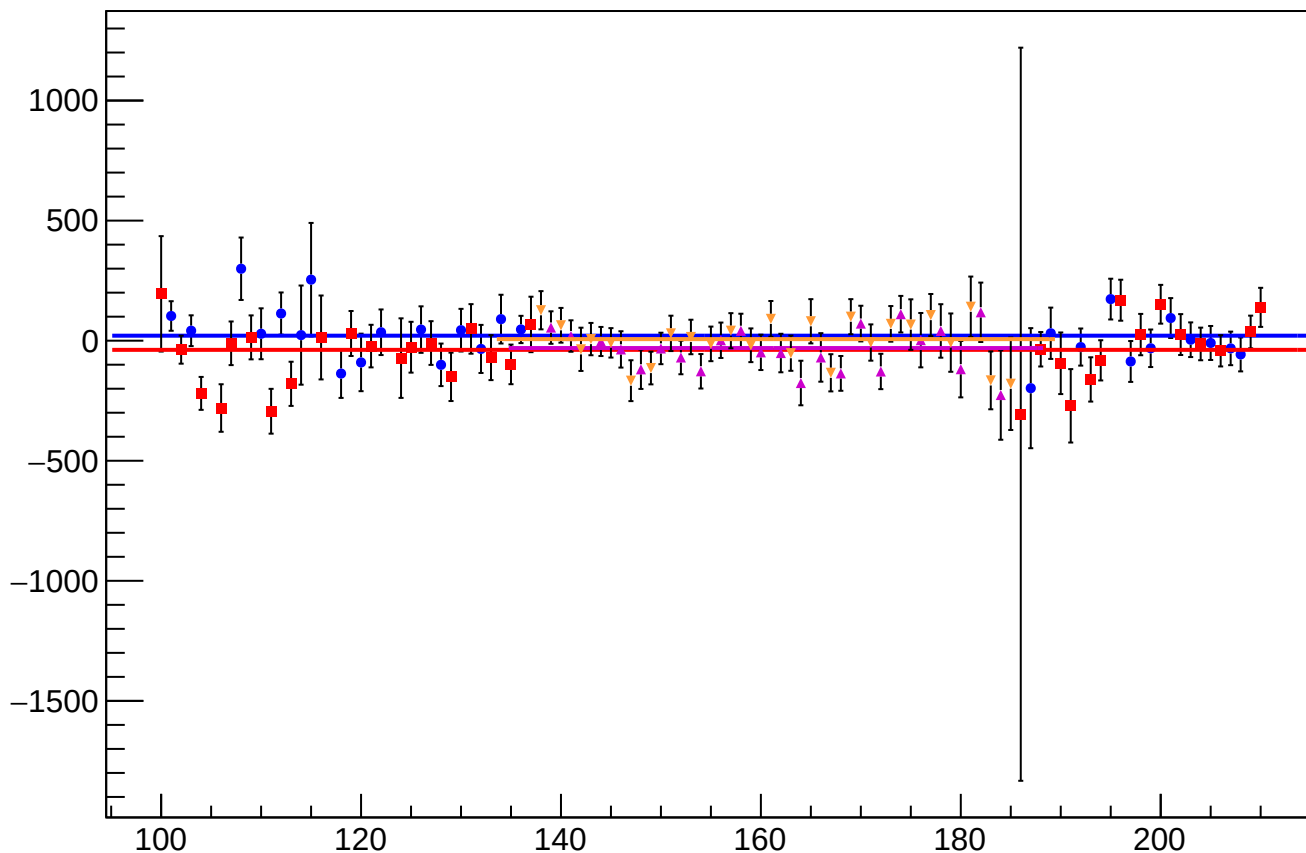
Left In: 348.560 $\pm$ 0.058 χ^2 /NDF: 525743.6/22

+ sign 203.045 $\pm$ 0.029 χ^2 /NDF: 20437107.0/51

All: 204.302 $\pm$ 0.020 χ^2 /NDF: 40791701.8/10

- sign 205.529 $\pm$ 0.029 χ^2 /NDF: 20350856.9/55

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 20.818 $\pm$ 16.606 χ^2 /NDF: 24.1/26

Left Out: 6.469 $\pm$ 15.977 χ^2 /NDF: 25.1/24

Right Out: -38.203 $\pm$ 15.635 χ^2 /NDF: 51.6/32

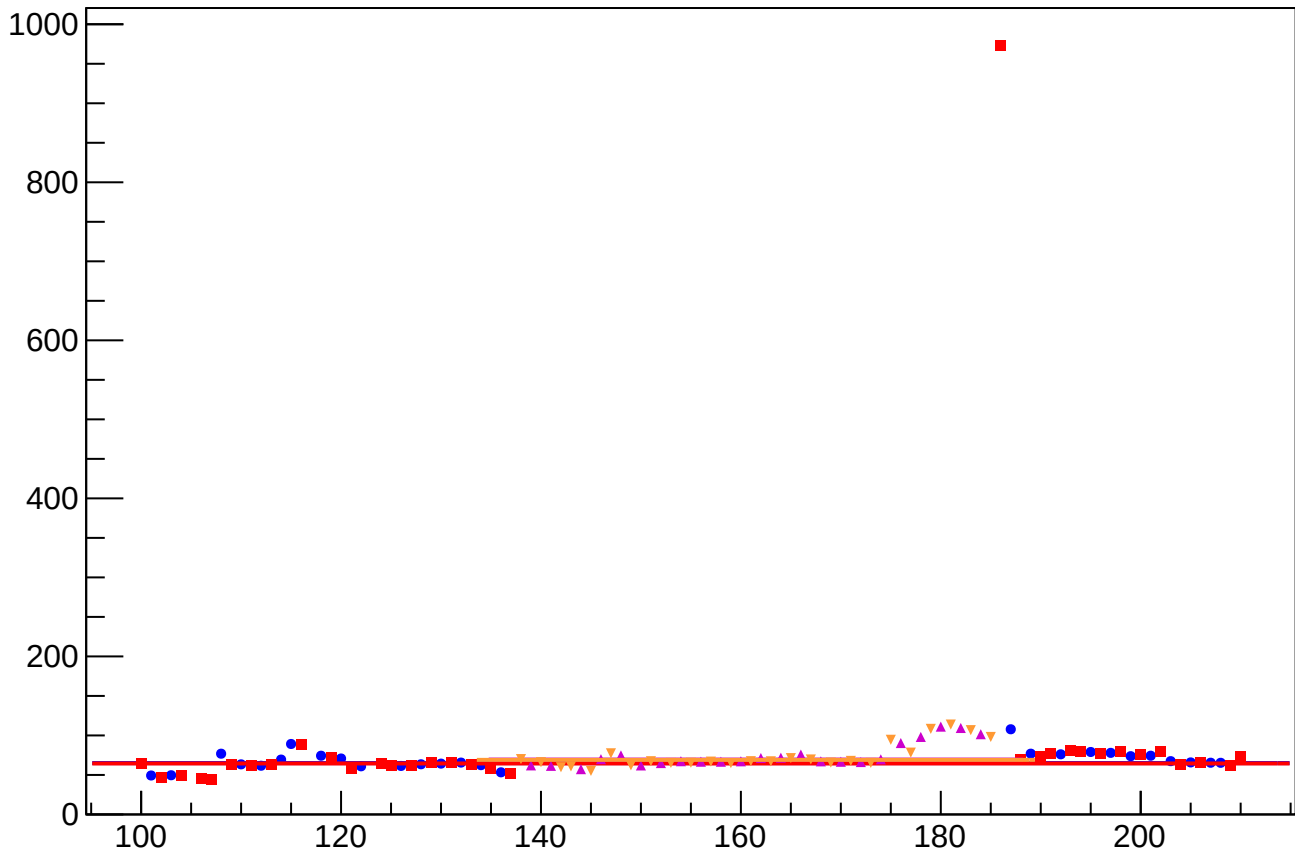
Left In: -30.662 $\pm$ 16.503 χ^2 /NDF: 22.5/22

+ sign 13.367 $\pm$ 11.513 χ^2 /NDF: 49.5/51

All: -10.977 $\pm$ 8.083 χ^2 /NDF: 132.6/107

- sign -34.636 $\pm$ 11.350 χ^2 /NDF: 74.2/55

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 65.026+/-0.012 χ^2/NDF : 681355.0/26

Left Out: 69.079+/-0.011 χ^2/NDF : 1073983.7/24

Right Out: 64.527+/-0.011 χ^2/NDF : 1663547.2/32

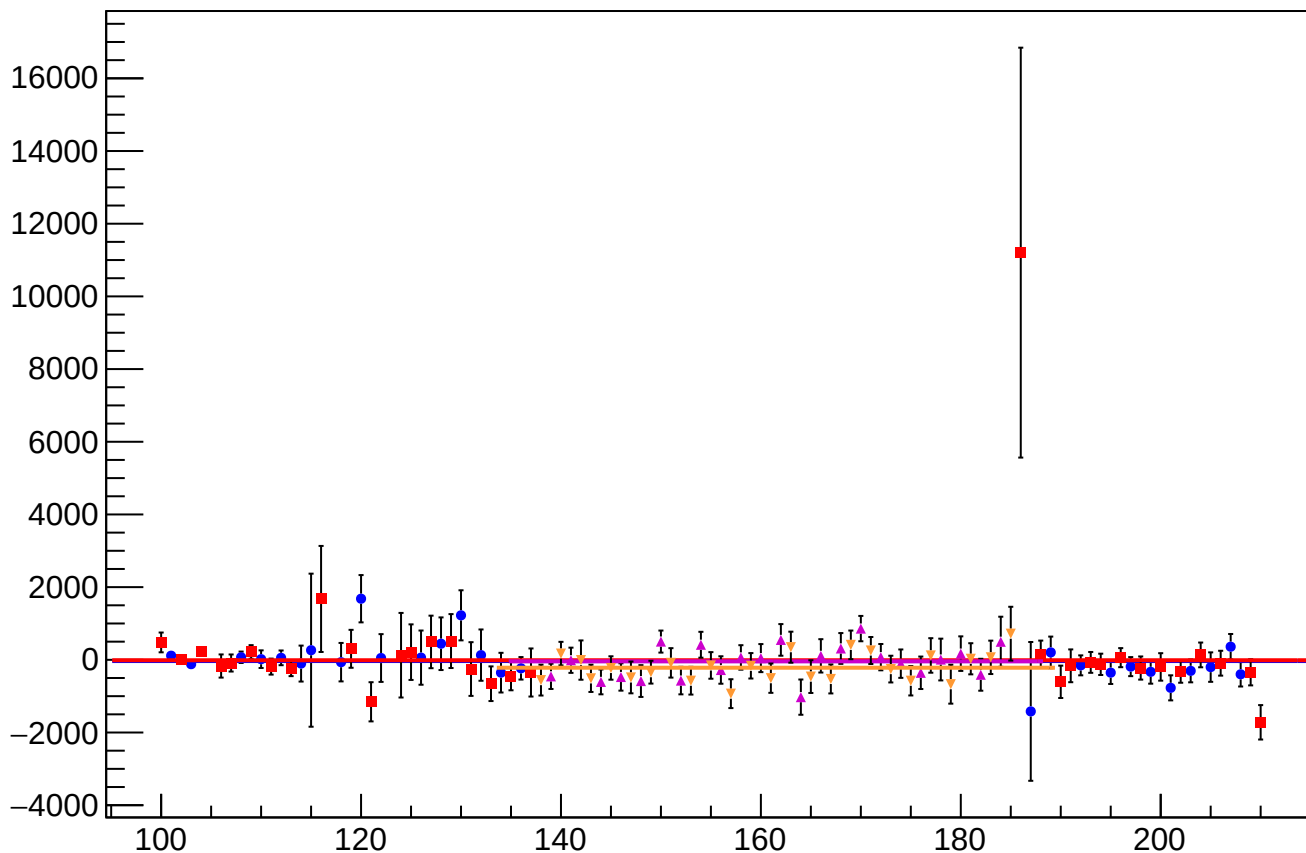
Left In: 69.436+/-0.012 χ^2/NDF : 924591.6/22

+ sign 67.130+/-0.008 χ^2/NDF : 1817200.1/51

All: 66.988+/-0.006 χ^2/NDF : 4499214.1/107

- sign 66.849+/-0.008 χ^2/NDF : 2681409.6/55

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -33.624 ± 47.511 χ^2/NDF : 26.8/26

Left Out: -217.348 ± 80.133 χ^2/NDF : 19.3/24

Right Out: -11.547 ± 46.364 χ^2/NDF : 44.6/32

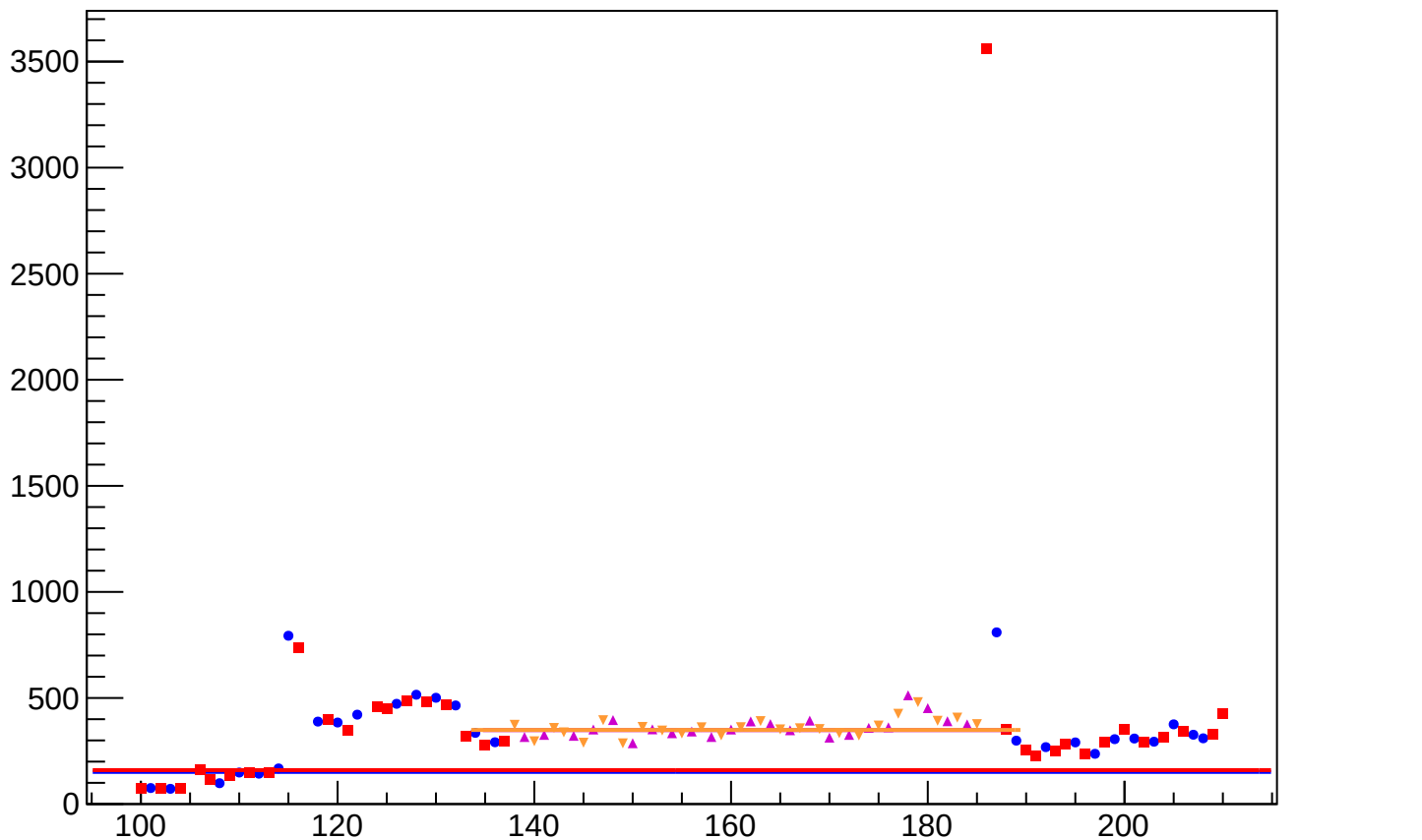
Left In: -41.512 ± 82.256 χ^2/NDF : 30.0/22

+ sign -81.410 ± 40.868 χ^2/NDF : 50.0/51

All: -49.722 ± 28.727 χ^2/NDF : 125.9/107

- sign -18.771 ± 40.390 χ^2/NDF : 74.7/55

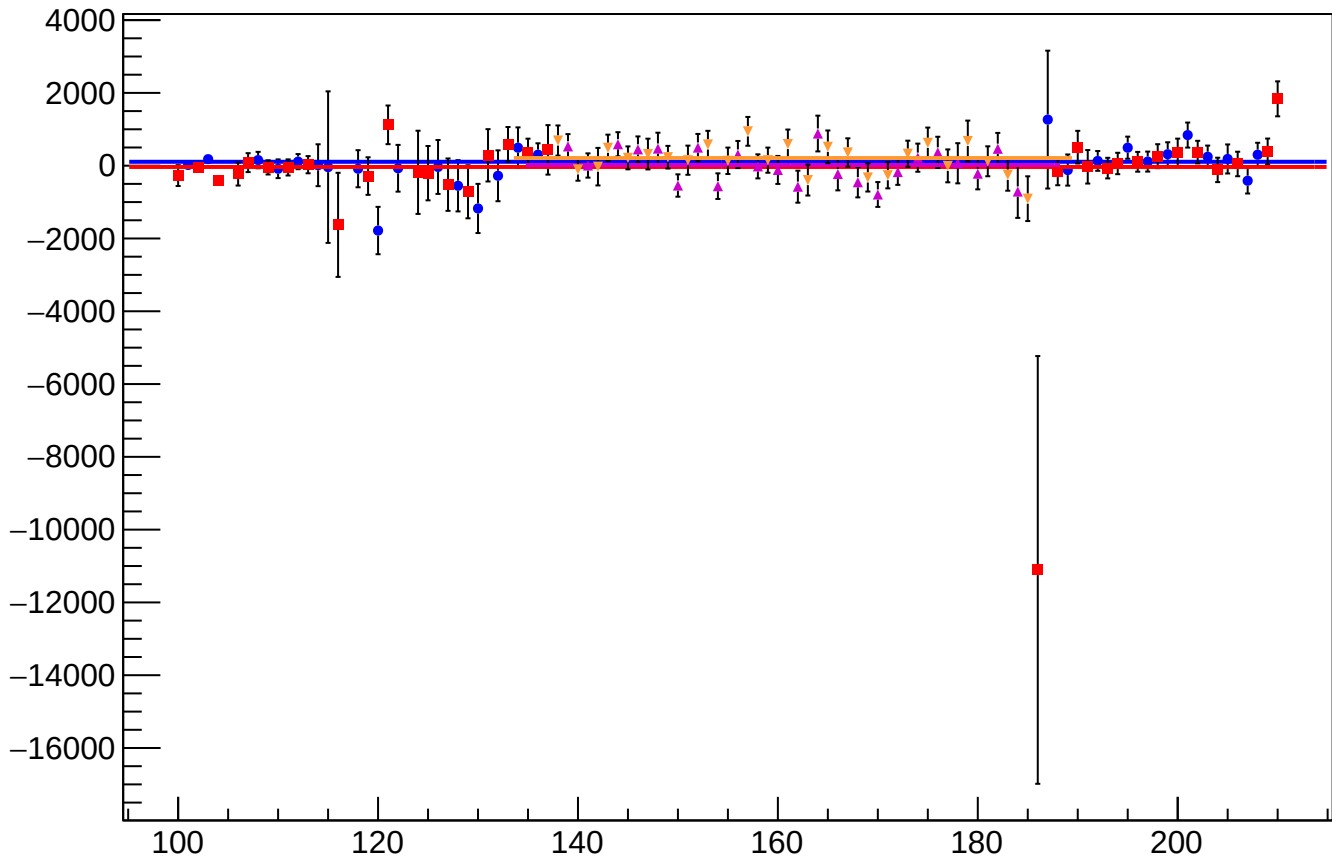
asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 151.675 $\pm$ 0.034 χ^2 /NDF: 10923890.2/26
 Left Out: 349.177 $\pm$ 0.057 χ^2 /NDF: 524067.1/24
 Right Out: 160.087 $\pm$ 0.033 χ^2 /NDF: 11856782.3/32
 Left In: 348.560 $\pm$ 0.058 χ^2 /NDF: 525736.6/22

+ sign 203.045 $\pm$ 0.029 χ^2 /NDF: 20437172.5/51
 All: 204.301 $\pm$ 0.020 χ^2 /NDF: 40791881.1/10
 - sign 205.529 $\pm$ 0.029 χ^2 /NDF: 20350971.0/55

asym_sam_15_avg_mean vs Slug



Right In: 107.253+/-51.235 χ^2/NDF : 26.3/26

Left Out: 209.819+/-78.511 χ^2/NDF : 21.4/24

Right Out: -34.895+/-49.474 χ^2/NDF : 49.1/32

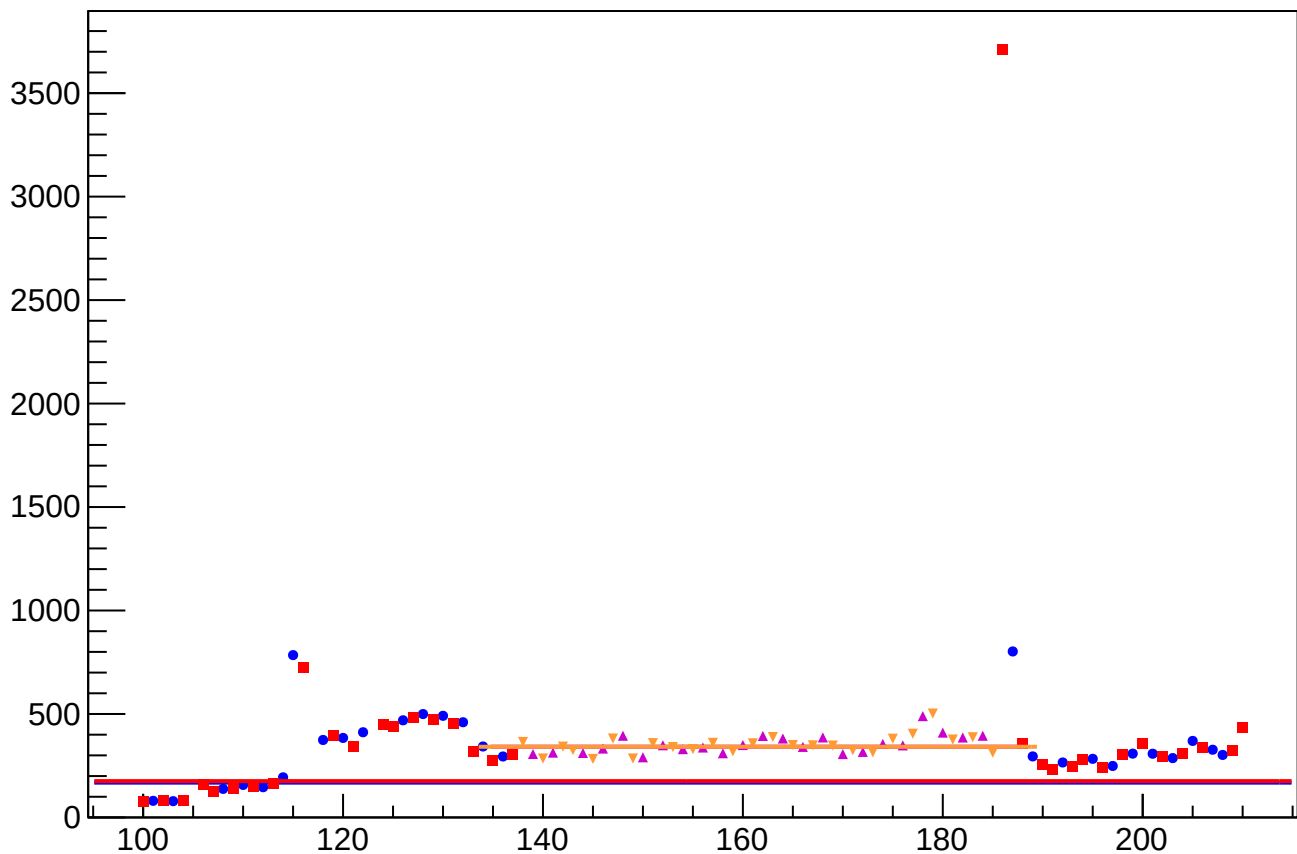
Left In: 18.738+/-80.699 χ^2/NDF : 32.0/22

+ sign 137.887+/-42.907 χ^2/NDF : 48.9/51

All: 57.467+/-30.079 χ^2/NDF : 137.2/107

- sign -20.244+/-42.178 χ^2/NDF : 81.4/55

asym_sam_15_avg_rms vs Slug



Right In: 168.281+/-0.036 χ^2/NDF : 9594107.8/26

Left Out: 341.585+/-0.056 χ^2/NDF : 554287.8/24

Right Out: 175.619+/-0.035 χ^2/NDF : 10420918.8/32

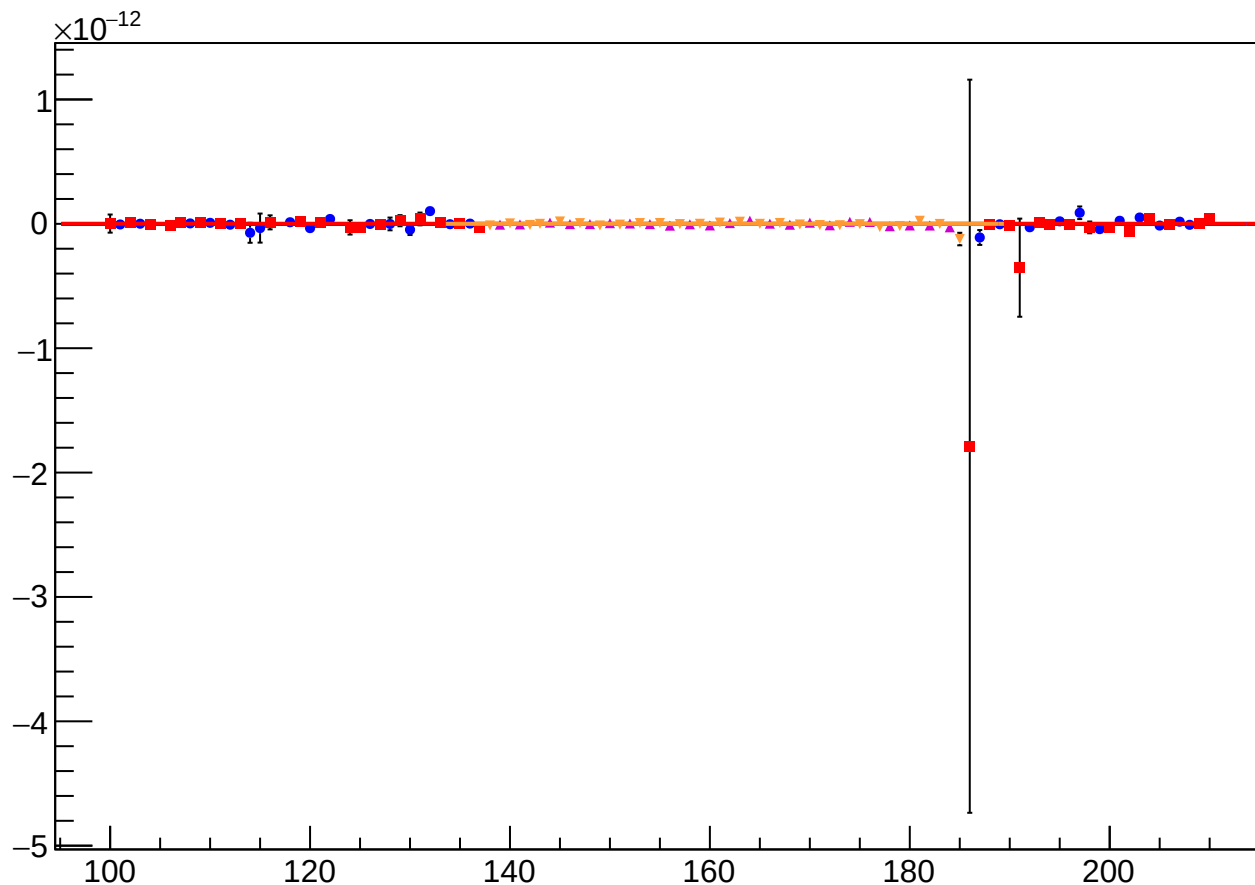
Left In: 341.943+/-0.057 χ^2/NDF : 485509.1/22

+ sign 220.042+/-0.030 χ^2/NDF : 16982819.4/51

All: 220.557+/-0.021 χ^2/NDF : 34064709.9/10

- sign 221.054+/-0.030 χ^2/NDF : 17081323.8/55

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 35.4/26

Left Out: 0.000+/-0.000 χ^2 /NDF: 28.6/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 24.6/32

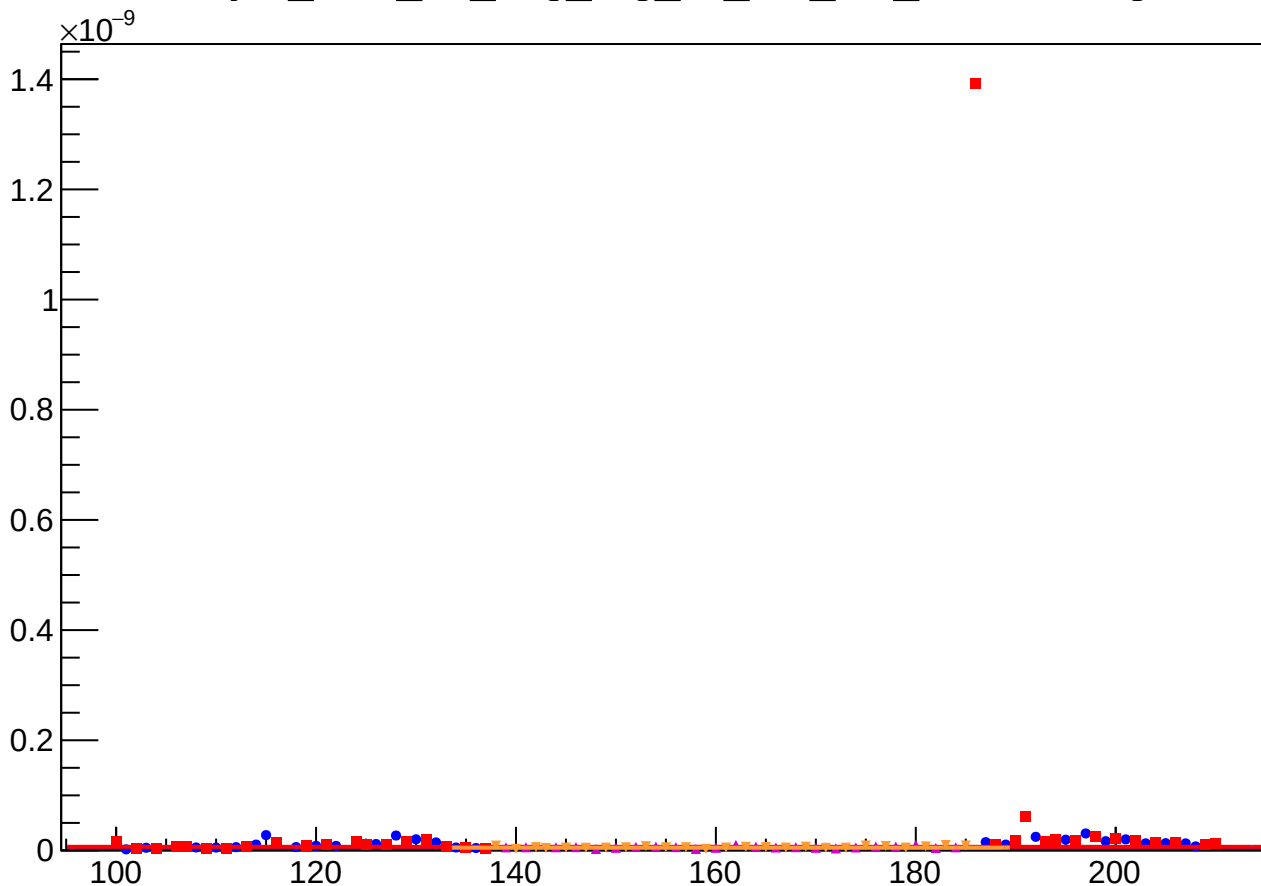
Left In: -0.000+/-0.000 χ^2 /NDF: 20.5/22

+ sign -0.000+/-0.000 χ^2 /NDF: 64.2/51

All: -0.000+/-0.000 χ^2 /NDF: 109.6/107

- sign -0.000+/-0.000 χ^2 /NDF: 45.4/55

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6090023.7/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5225046.0/32

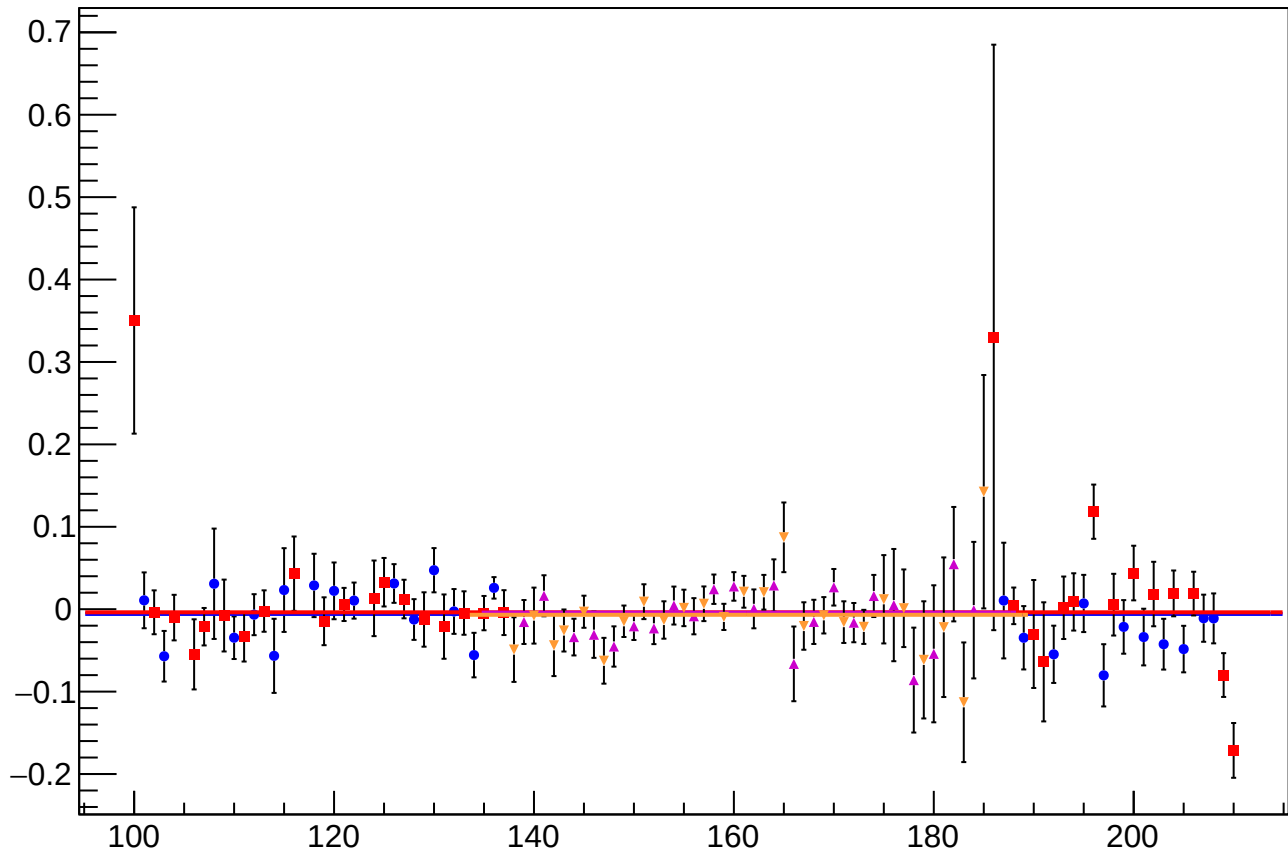
Left In: 0.000+/-0.000 χ^2/NDF : 1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 7406889.0/51

All: 0.000+/-0.000 χ^2/NDF : 14417217.1/107

- sign 0.000+/-0.000 χ^2/NDF : 6858048.4/55

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.006 ± 0.006 χ^2/NDF : 35.3/26

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.004 ± 0.005 χ^2/NDF : 66.9/32

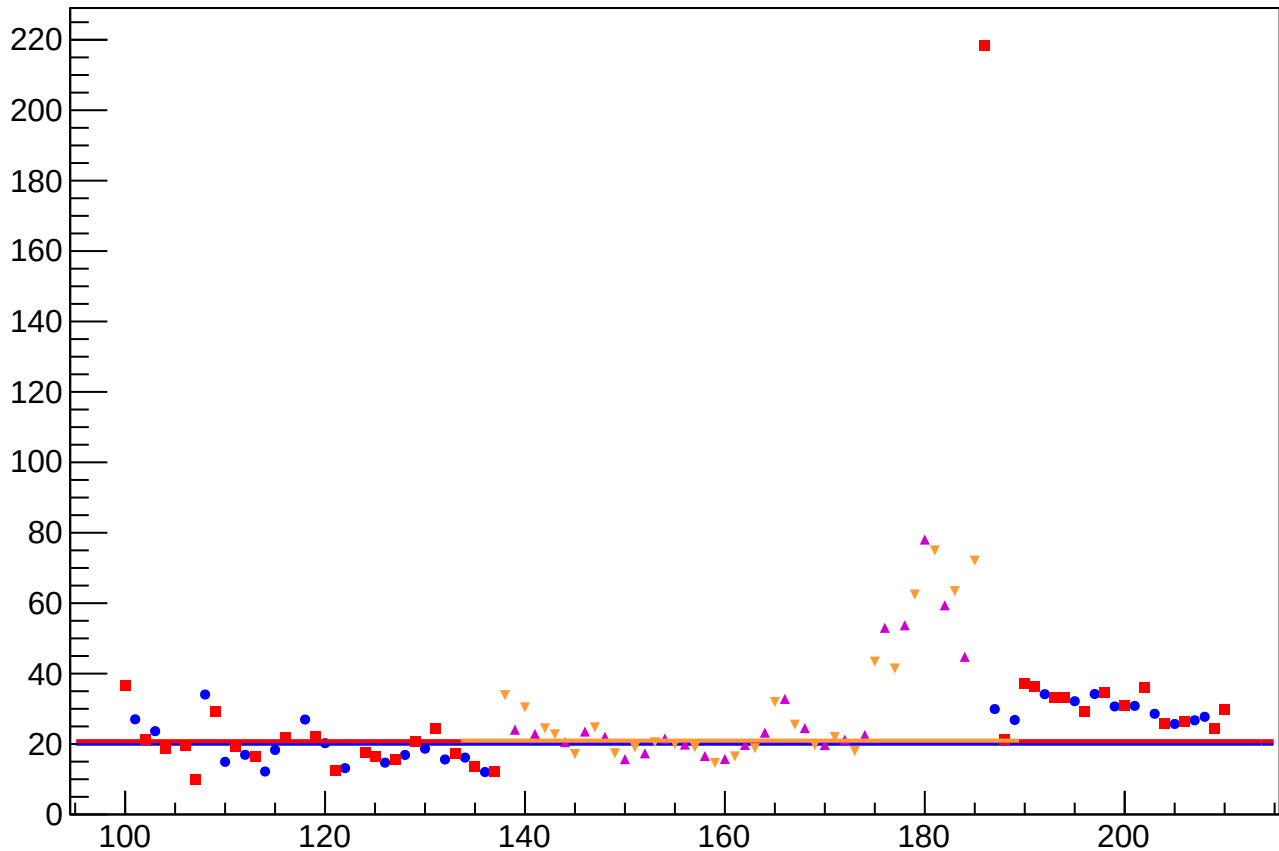
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.006 ± 0.004 χ^2/NDF : 57.0/51

All: -0.005 ± 0.003 χ^2/NDF : 147.3/107

- sign -0.004 ± 0.004 χ^2/NDF : 90.1/55

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 20.085 $\pm$ 0.004 χ^2 /NDF: 3464382.2/26

Left Out: 20.981 $\pm$ 0.004 χ^2 /NDF: 4467011.5/24

Right Out: 20.814 $\pm$ 0.004 χ^2 /NDF: 4141531.4/32

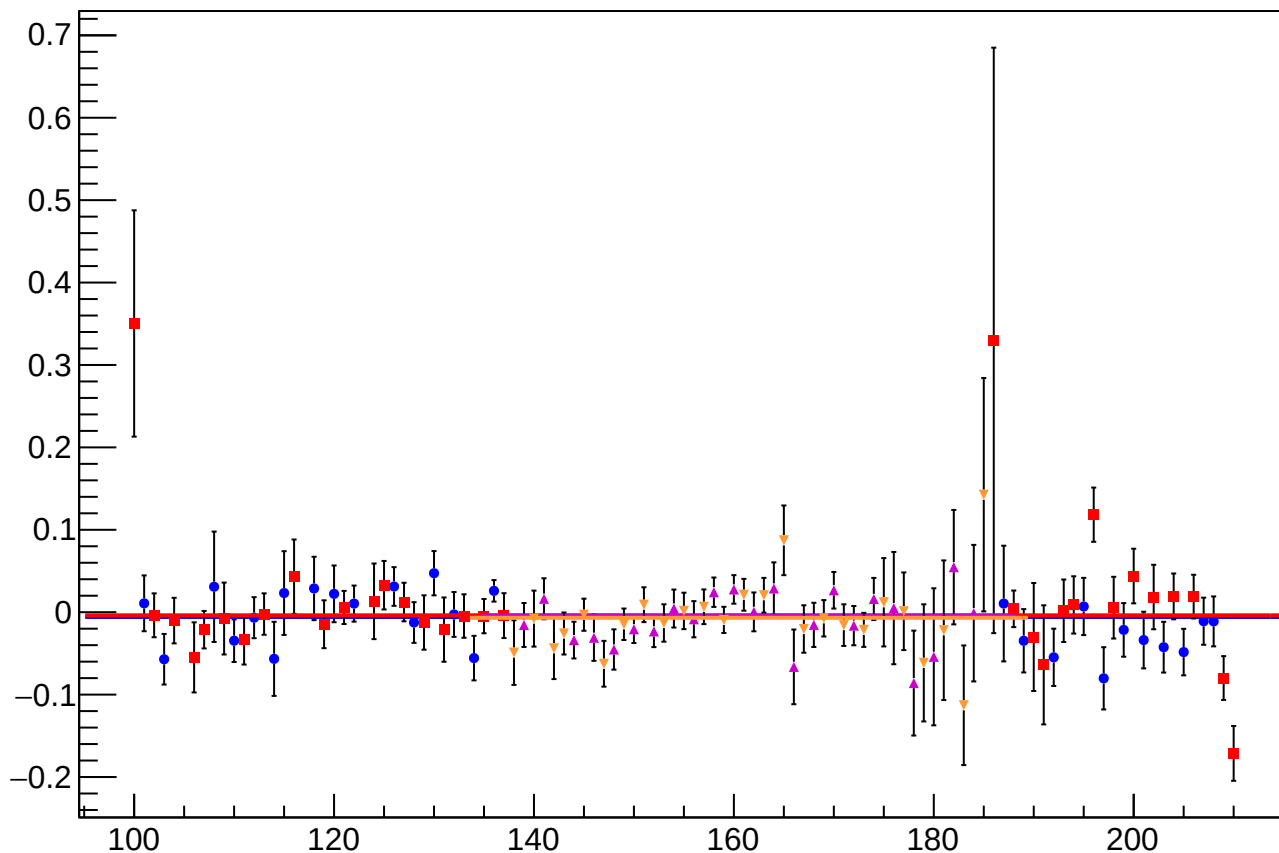
Left In: 20.868 $\pm$ 0.004 χ^2 /NDF: 3534877.7/22

+ sign 20.559 $\pm$ 0.003 χ^2 /NDF: 7959328.0/51

All: 20.701 $\pm$ 0.002 χ^2 /NDF: 15641438.9/107

- sign 20.841 $\pm$ 0.003 χ^2 /NDF: 7676509.2/55

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006 ± 0.006 χ^2/NDF : 35.3/26

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.004 ± 0.005 χ^2/NDF : 66.9/32

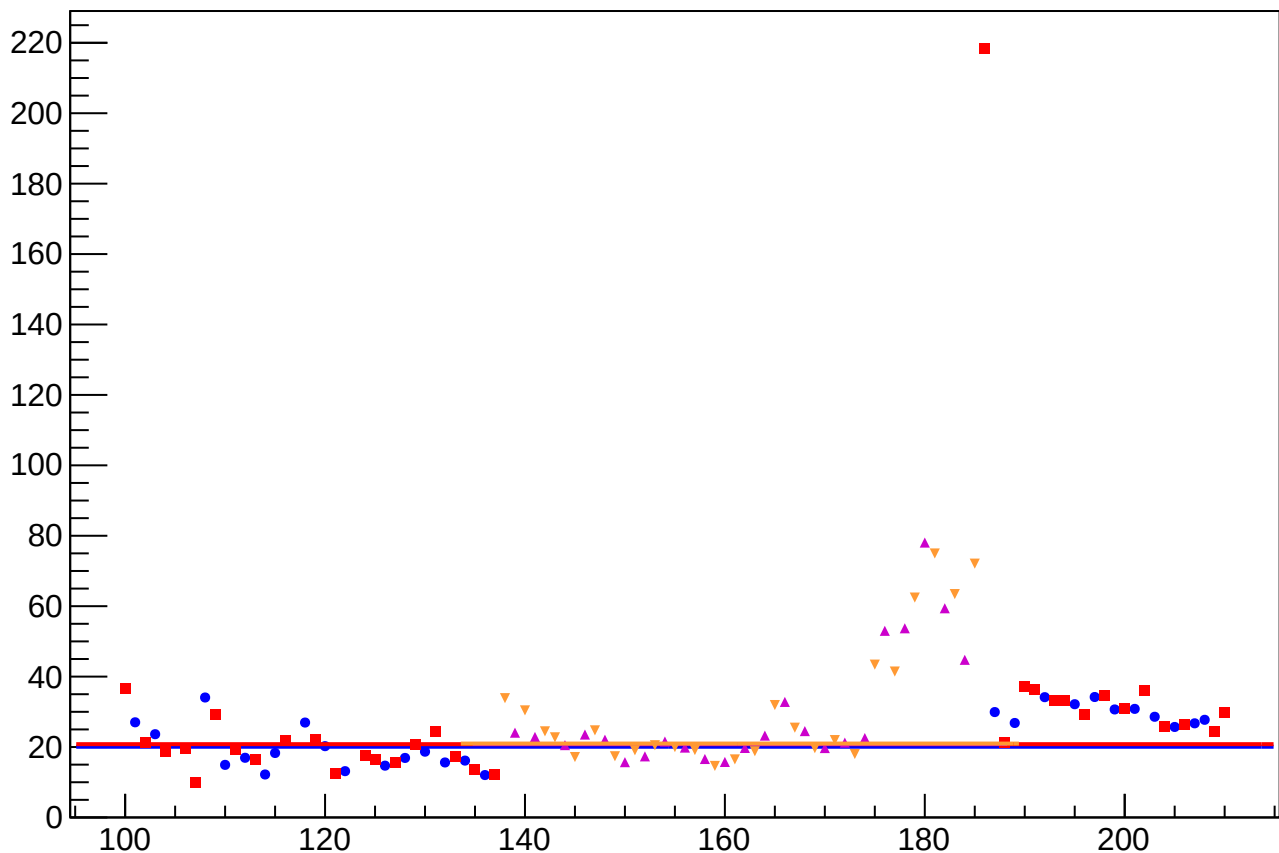
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.006 ± 0.004 χ^2/NDF : 57.0/51

All: -0.005 ± 0.003 χ^2/NDF : 147.3/107

- sign -0.004 ± 0.004 χ^2/NDF : 90.1/55

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.085+/-0.004 χ^2/NDF : 3464382.2/26

Left Out: 20.981+/-0.004 χ^2/NDF : 4467011.5/24

Right Out: 20.814+/-0.004 χ^2/NDF : 4141531.4/32

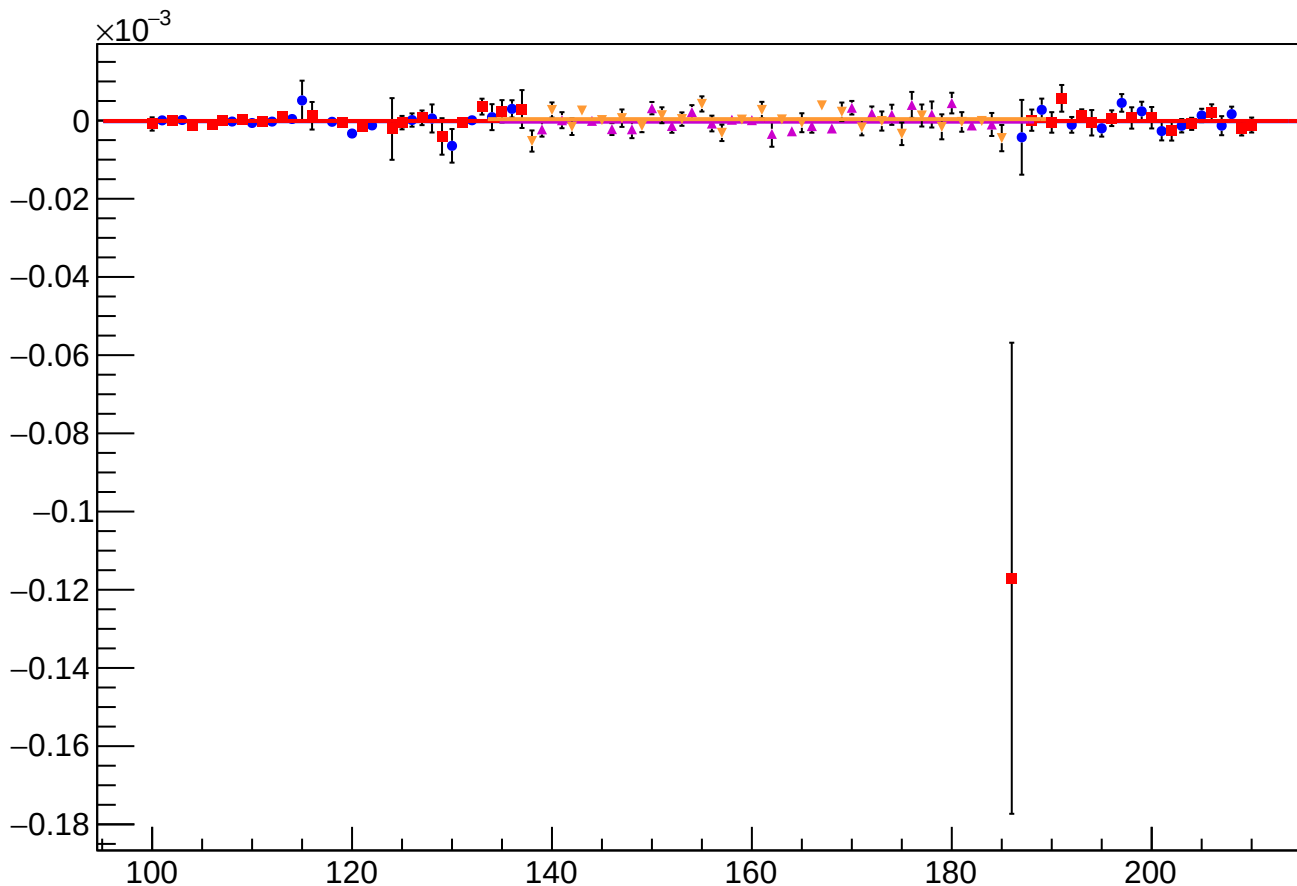
Left In: 20.868+/-0.004 χ^2/NDF : 3534877.7/22

+ sign 20.559+/-0.003 χ^2/NDF : 7959328.0/51

All: 20.701+/-0.002 χ^2/NDF : 15641438.9/107

- sign 20.841+/-0.003 χ^2/NDF : 7676509.2/55

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 34.2/24

Right Out: -0.000+/-0.000 χ^2/NDF : 31.5/32

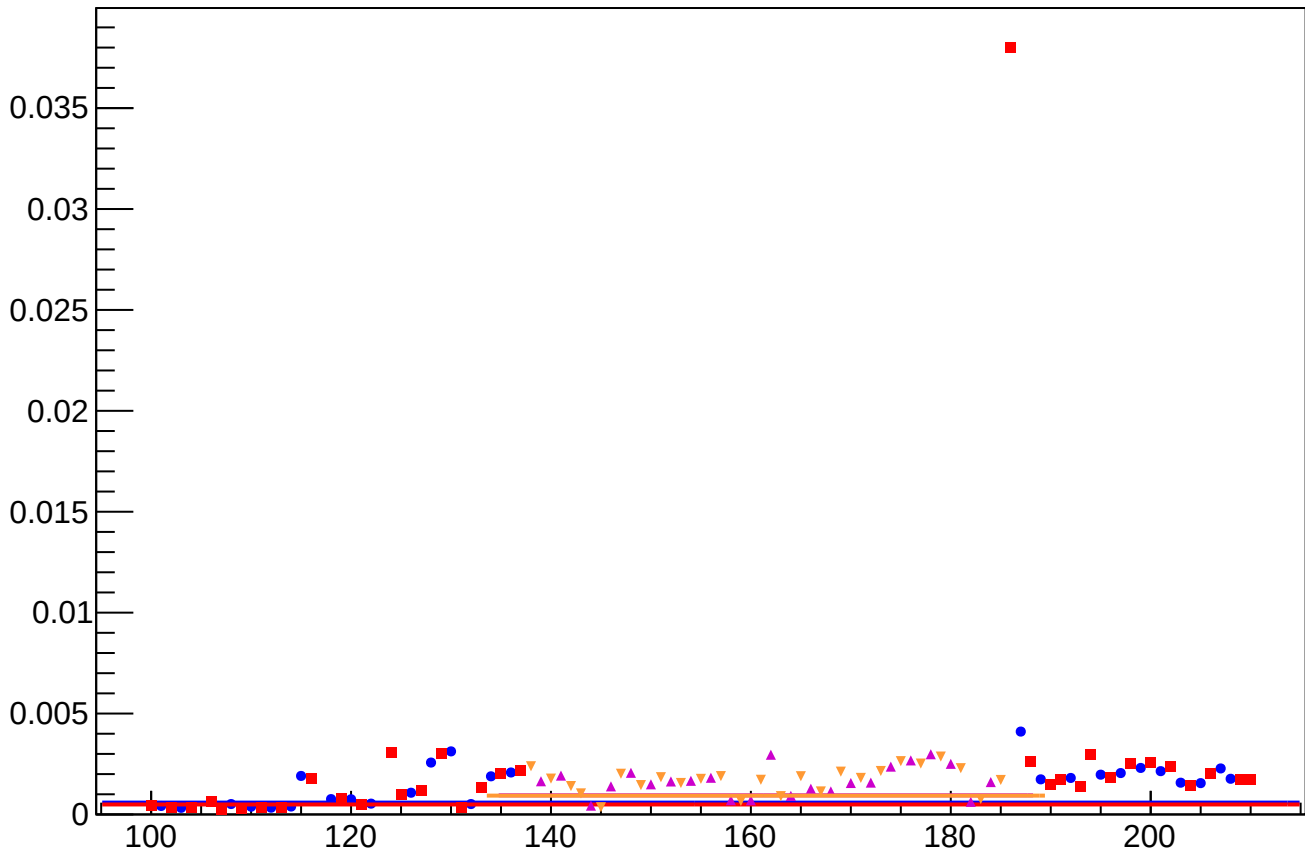
Left In: -0.000+/-0.000 χ^2/NDF : 31.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 62.3/51

All: -0.000+/-0.000 χ^2/NDF : 126.4/107

- sign -0.000+/-0.000 χ^2/NDF : 63.4/55

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 12610884.8/26

Left Out: 0.001+/-0.000 χ^2/NDF :11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16938575.9/32

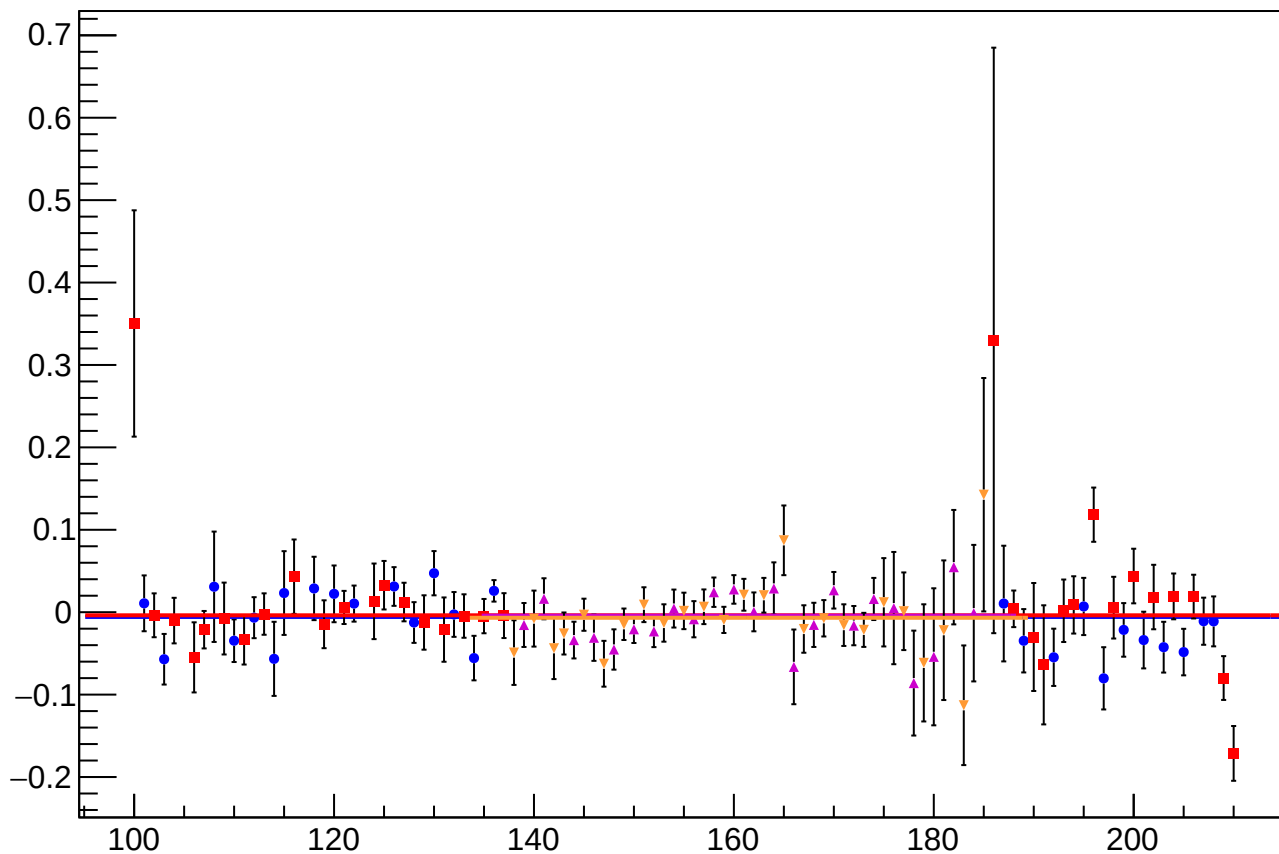
Left In: 0.001+/-0.000 χ^2/NDF :9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF : 26824785.4/51

All: 0.001+/-0.000 χ^2/NDF : 57831599.9/107

- sign 0.001+/-0.000 χ^2/NDF : 30646425.7/55

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006 ± 0.006 χ^2/NDF : 35.3/26

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.004 ± 0.005 χ^2/NDF : 66.9/32

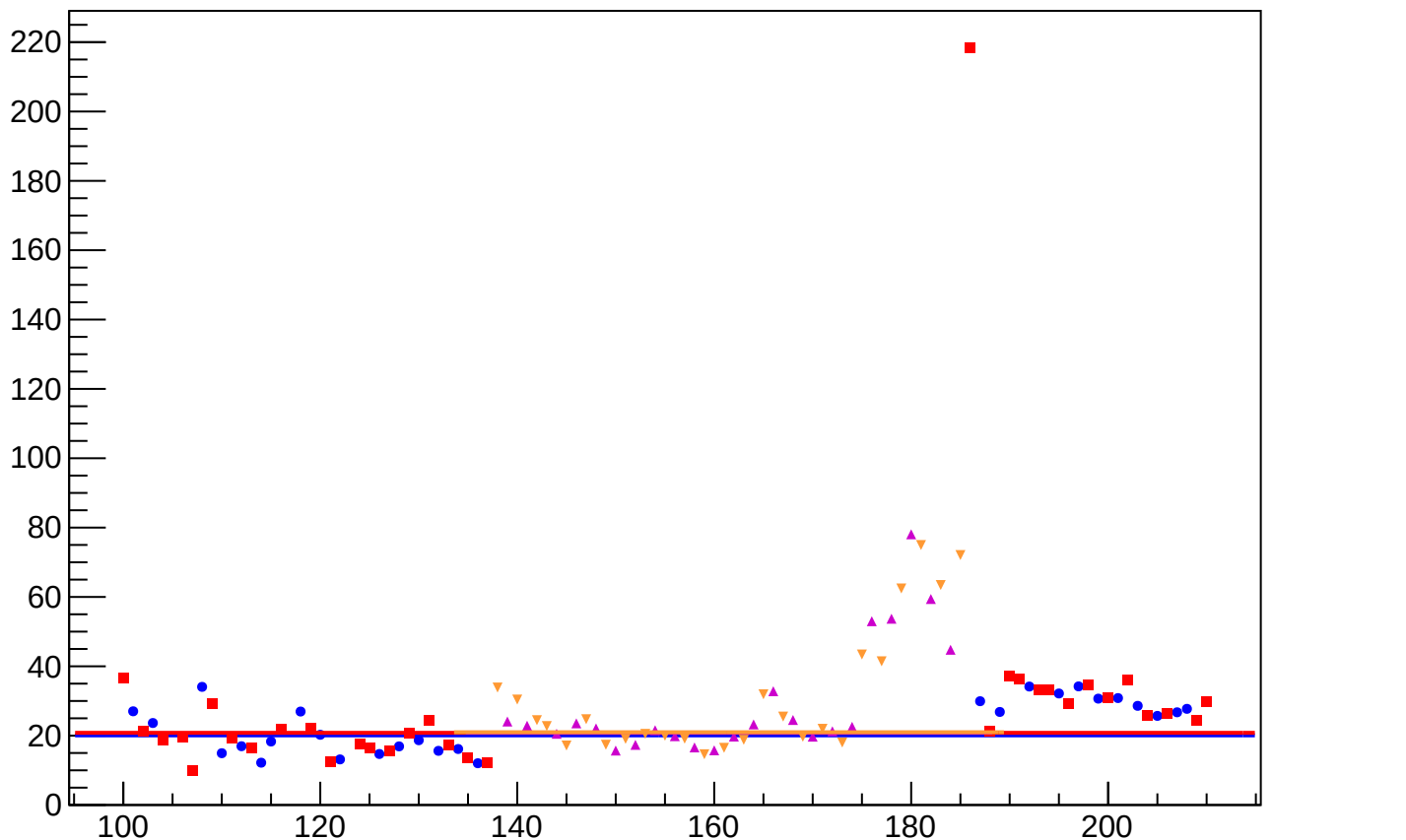
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.006 ± 0.004 χ^2/NDF : 57.0/51

All: -0.005 ± 0.003 χ^2/NDF : 147.3/107

- sign -0.004 ± 0.004 χ^2/NDF : 90.1/55

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.084+/-0.004 χ^2/NDF : 3464384.0/26

Left Out: 20.981+/-0.004 χ^2/NDF : 4466984.6/24

Right Out: 20.814+/-0.004 χ^2/NDF : 4141547.1/32

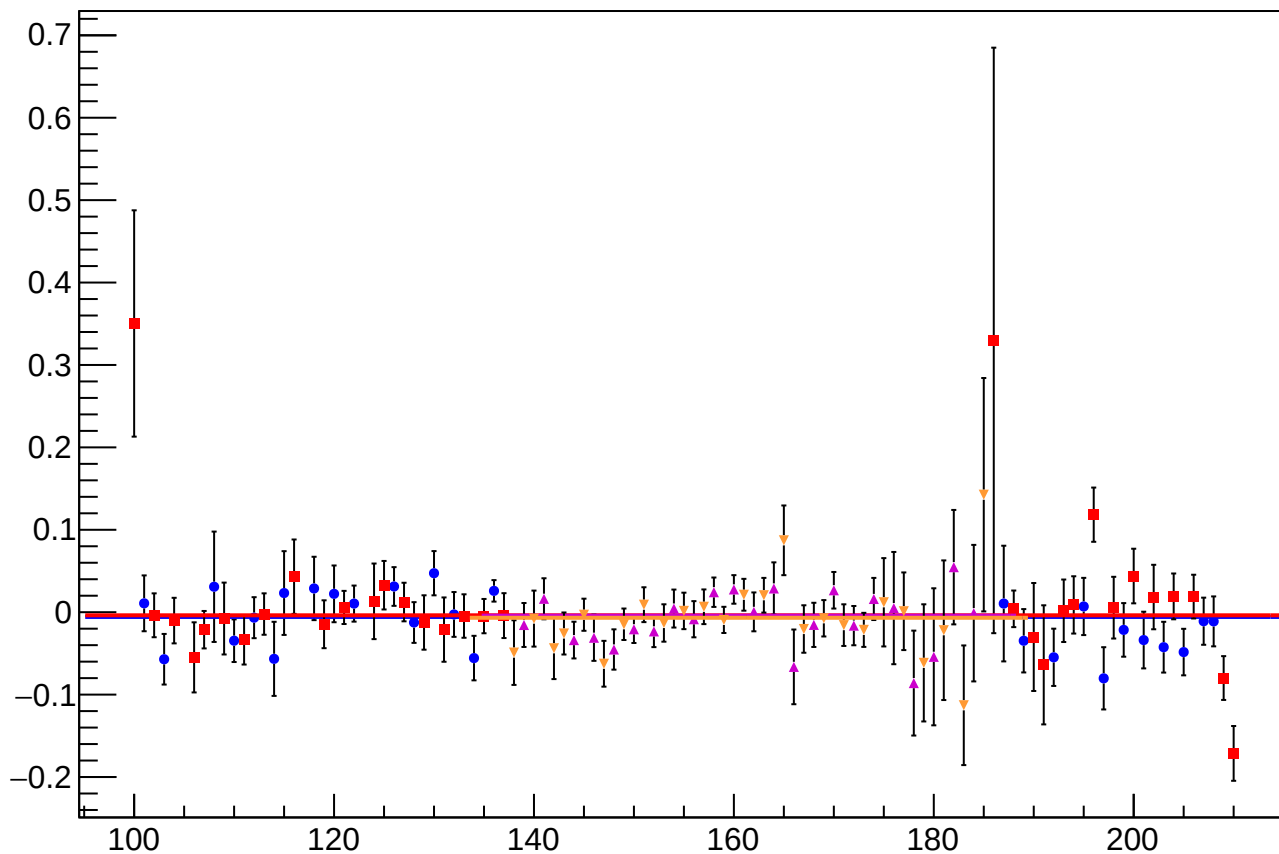
Left In: 20.868+/-0.004 χ^2/NDF : 3534923.5/22

+ sign 20.559+/-0.003 χ^2/NDF : 7959324.5/51

All: 20.701+/-0.002 χ^2/NDF : 15641495.7/107

- sign 20.841+/-0.003 χ^2/NDF : 7676572.1/55

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006 ± 0.006 χ^2/NDF : 35.3/26

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.004 ± 0.005 χ^2/NDF : 66.9/32

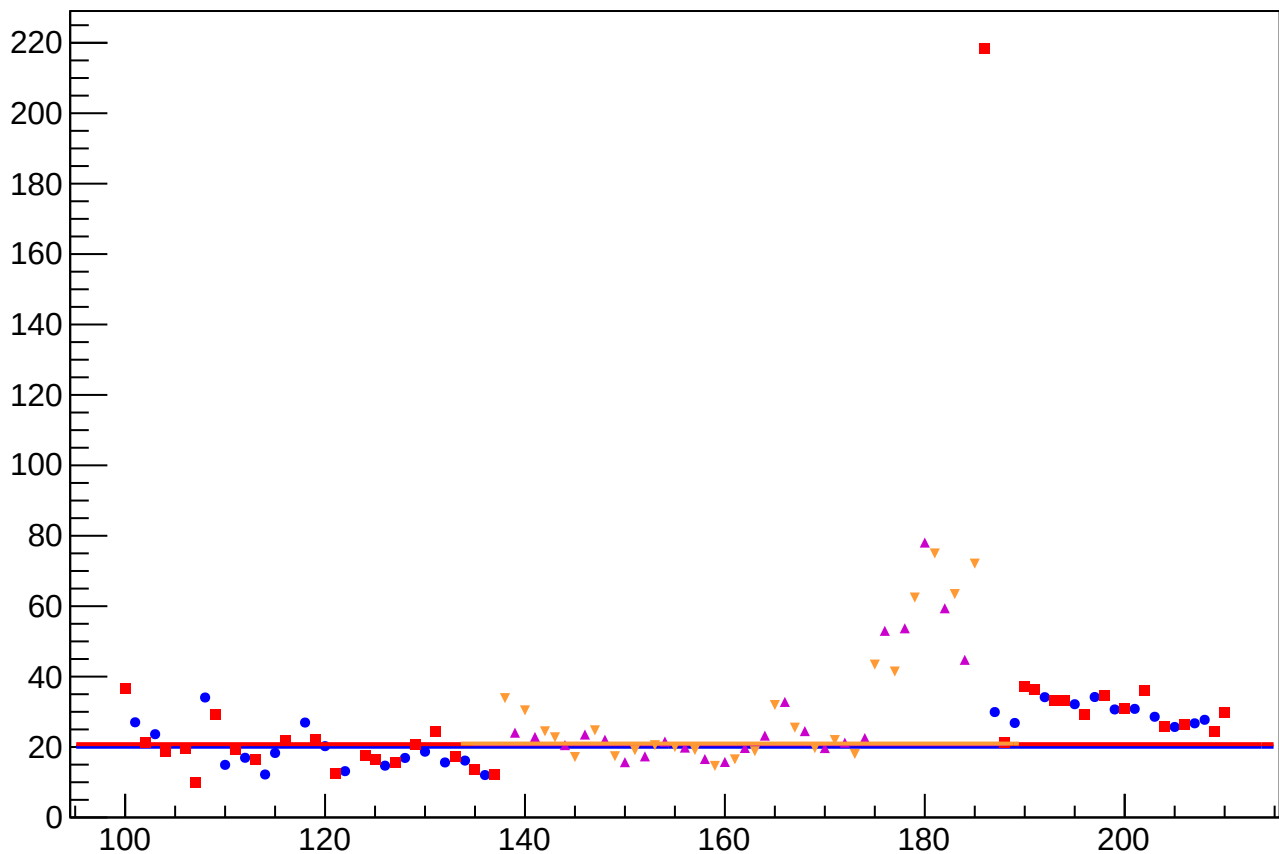
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.006 ± 0.004 χ^2/NDF : 57.0/51

All: -0.005 ± 0.003 χ^2/NDF : 147.3/107

- sign -0.004 ± 0.004 χ^2/NDF : 90.1/55

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.084 $\pm$ 0.004 χ^2 /NDF: 3464384.0/26

Left Out: 20.981 $\pm$ 0.004 χ^2 /NDF: 4466984.6/24

Right Out: 20.814 $\pm$ 0.004 χ^2 /NDF: 4141547.1/32

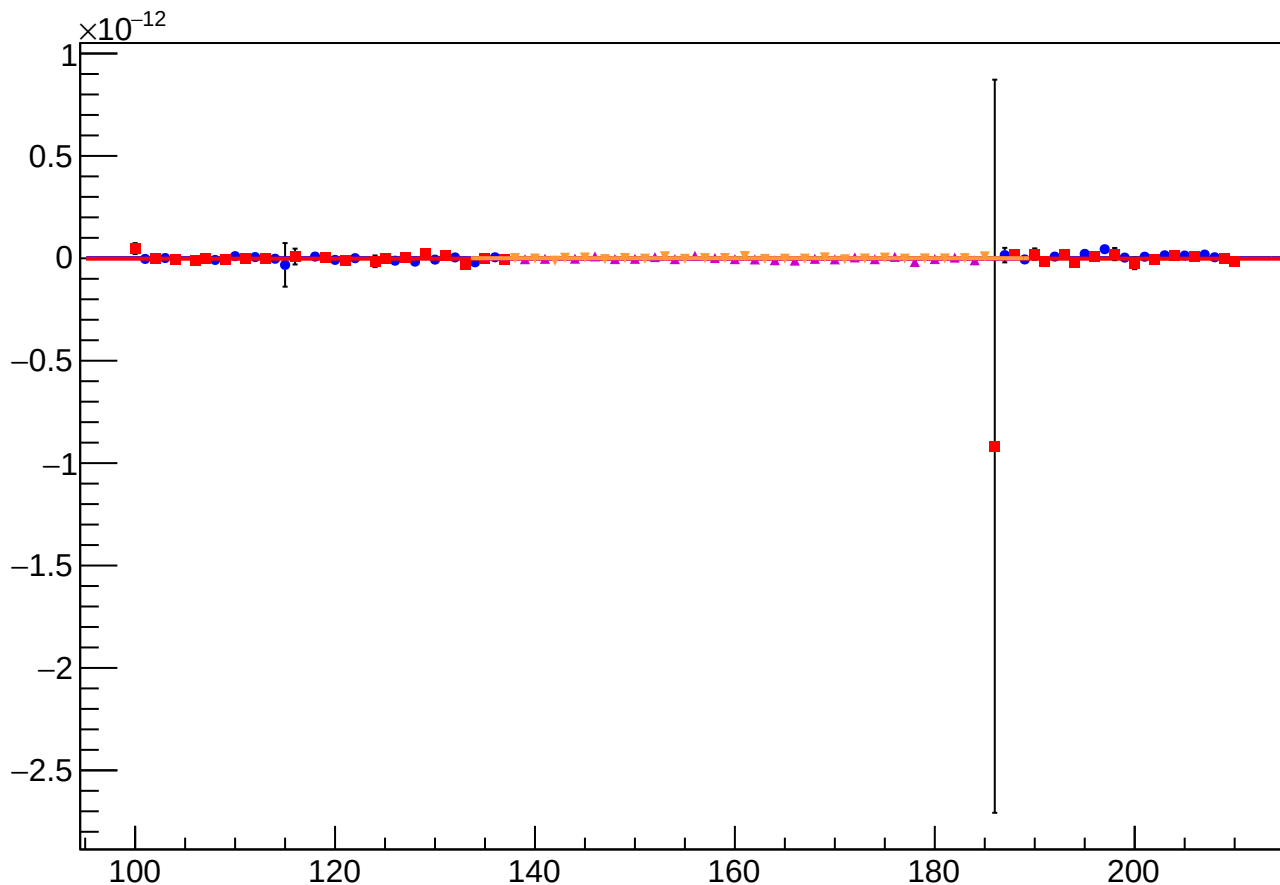
Left In: 20.868 $\pm$ 0.004 χ^2 /NDF: 3534923.5/22

+ sign 20.559 $\pm$ 0.003 χ^2 /NDF: 7959324.5/51

All: 20.701 $\pm$ 0.002 χ^2 /NDF: 15641495.7/107

- sign 20.841 $\pm$ 0.003 χ^2 /NDF: 7676572.1/55

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 25.2/26

Left Out: 0.000+/-0.000 χ^2/NDF : 14.6/24

Right Out: -0.000+/-0.000 χ^2/NDF : 26.8/32

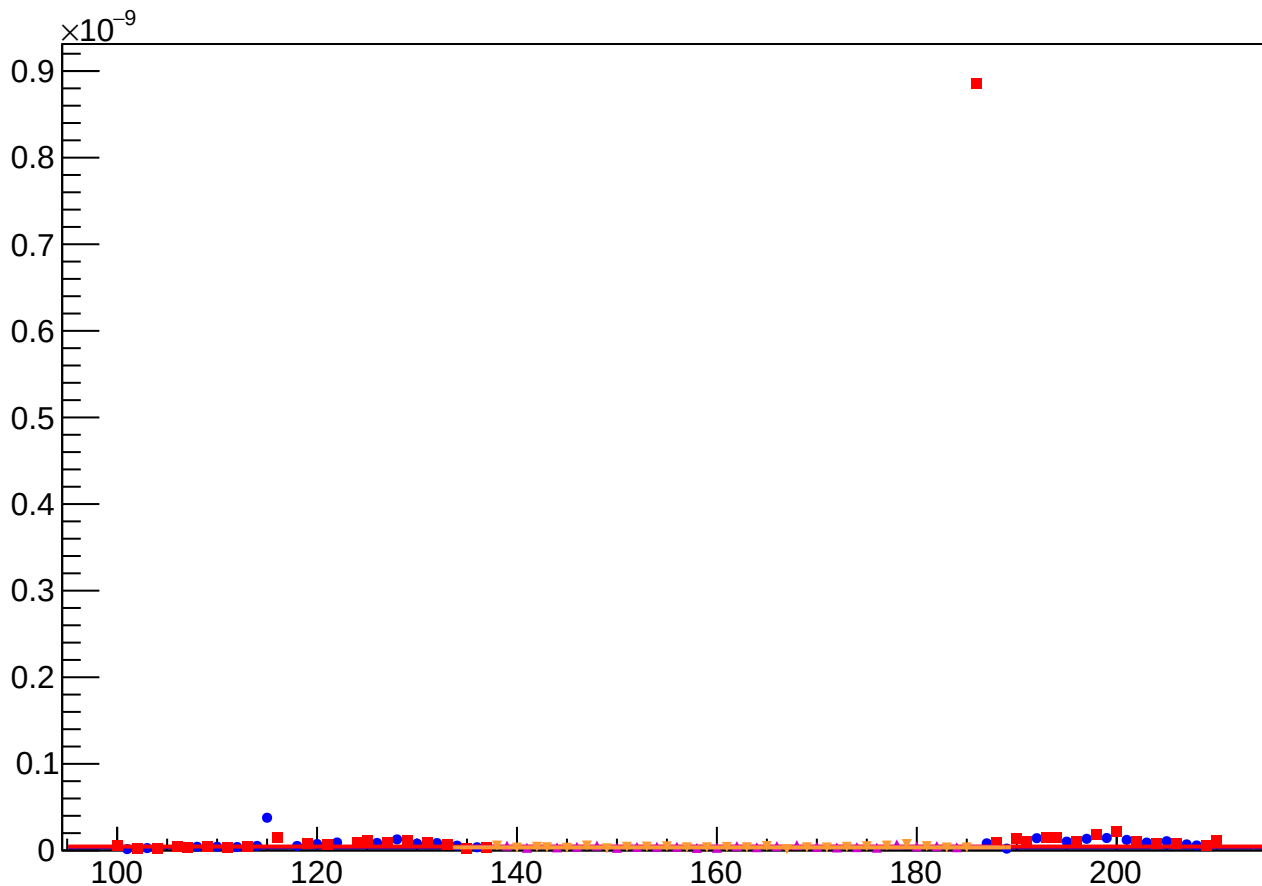
Left In: -0.000+/-0.000 χ^2/NDF : 26.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 39.8/51

All: -0.000+/-0.000 χ^2/NDF : 95.1/107

- sign -0.000+/-0.000 χ^2/NDF : 53.5/55

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7054744.6/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7982426.8/32

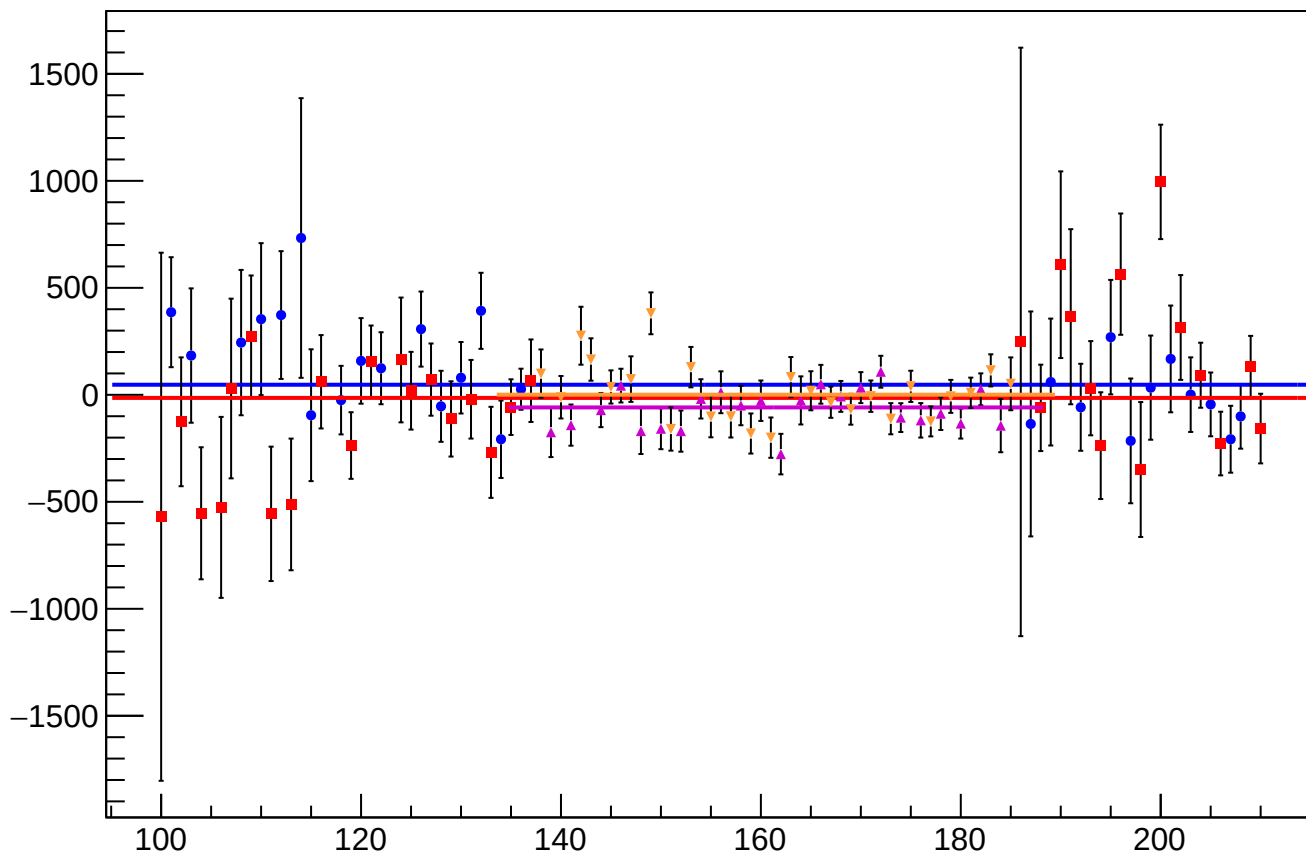
Left In: 0.000+/-0.000 χ^2/NDF : 1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 9597418.4/51

All: 0.000+/-0.000 χ^2/NDF : 19280589.7/107

- sign 0.000+/-0.000 χ^2/NDF : 9357916.2/55

reg_asym_sam_26_avg_mean vs Slug



Right In: 47.151 ± 37.756 χ^2/NDF : 20.9/26

Left Out: 0.598 ± 17.319 χ^2/NDF : 48.6/24

Right Out: -14.428 ± 37.468 χ^2/NDF : 46.9/32

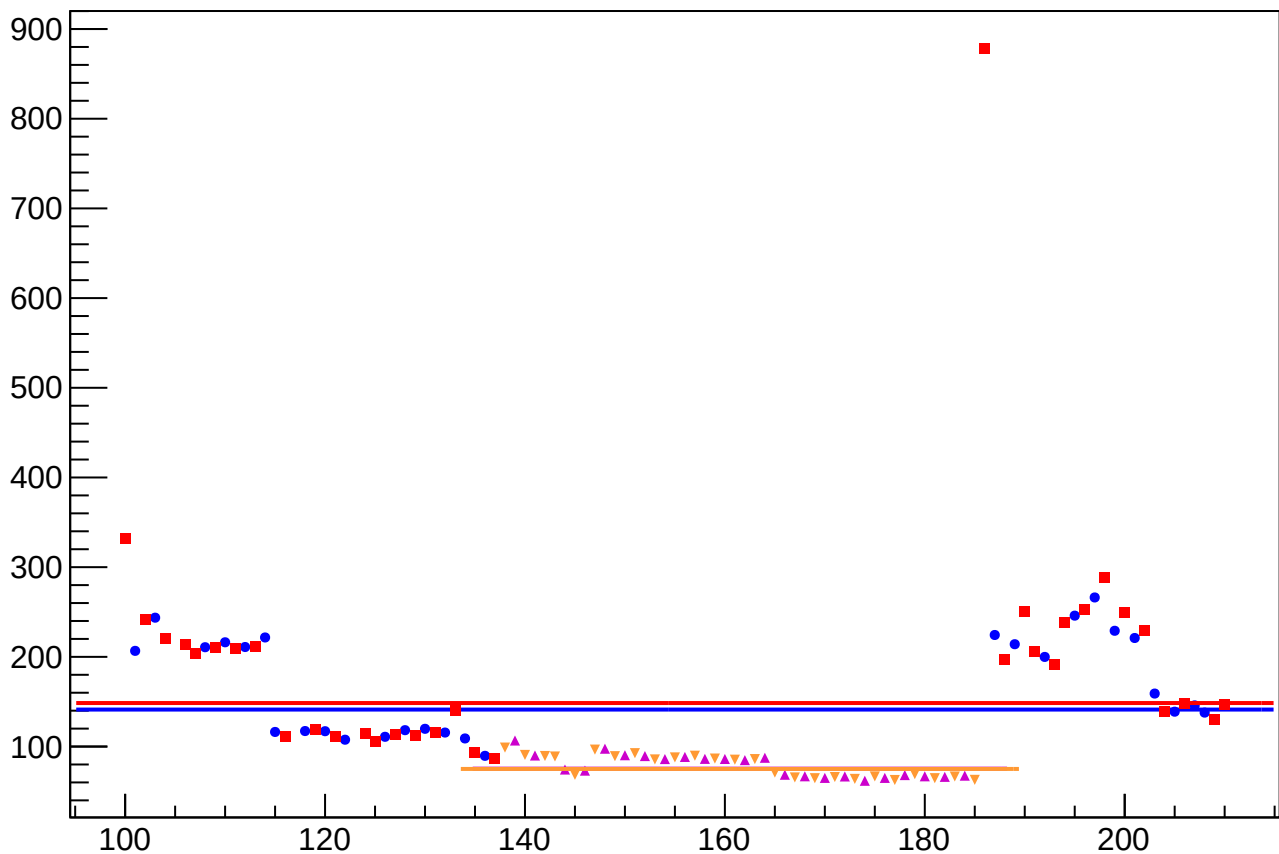
Left In: -58.907 ± 17.879 χ^2/NDF : 25.8/22

+ sign 8.691 ± 15.742 χ^2/NDF : 70.7/51

All: -20.250 ± 11.268 χ^2/NDF : 151.5/107

- sign -50.657 ± 16.136 χ^2/NDF : 73.8/55

reg_asym_sam_26_avg_rms vs Slug



Right In: 141.231+/-0.027 χ^2/NDF : 3137293.2/26

Left Out: 75.041+/-0.012 χ^2/NDF :928107.8/24

Right Out: 148.516+/-0.026 χ^2/NDF : 4224511.4/32

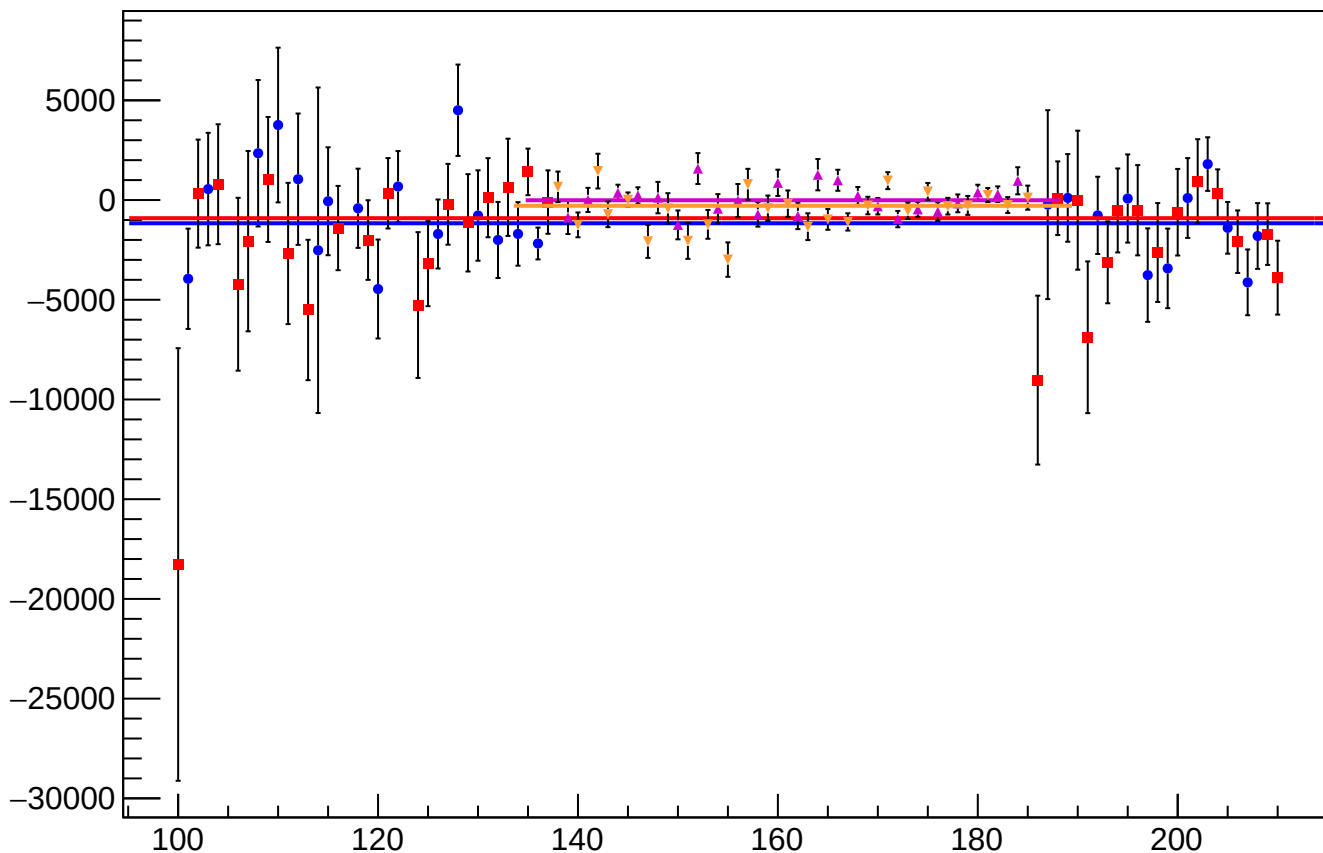
Left In: 75.352+/-0.013 χ^2/NDF :837634.2/22

+ sign 86.548+/-0.011 χ^2/NDF : 9143569.9/51

All: 87.705+/-0.008 χ^2/NDF : 20439531.6/107

- sign 88.922+/-0.011 χ^2/NDF : 11273783.4/55

asym_sam_26_avg_reg_correction_mean vs Slug



Right In: -1164.136 ± 361.567 χ^2/NDF : 27.9/26

Left Out: -288.079 ± 105.231 χ^2/NDF : 53.3/24

Right Out: -909.624 ± 372.257 χ^2/NDF : 27.9/32

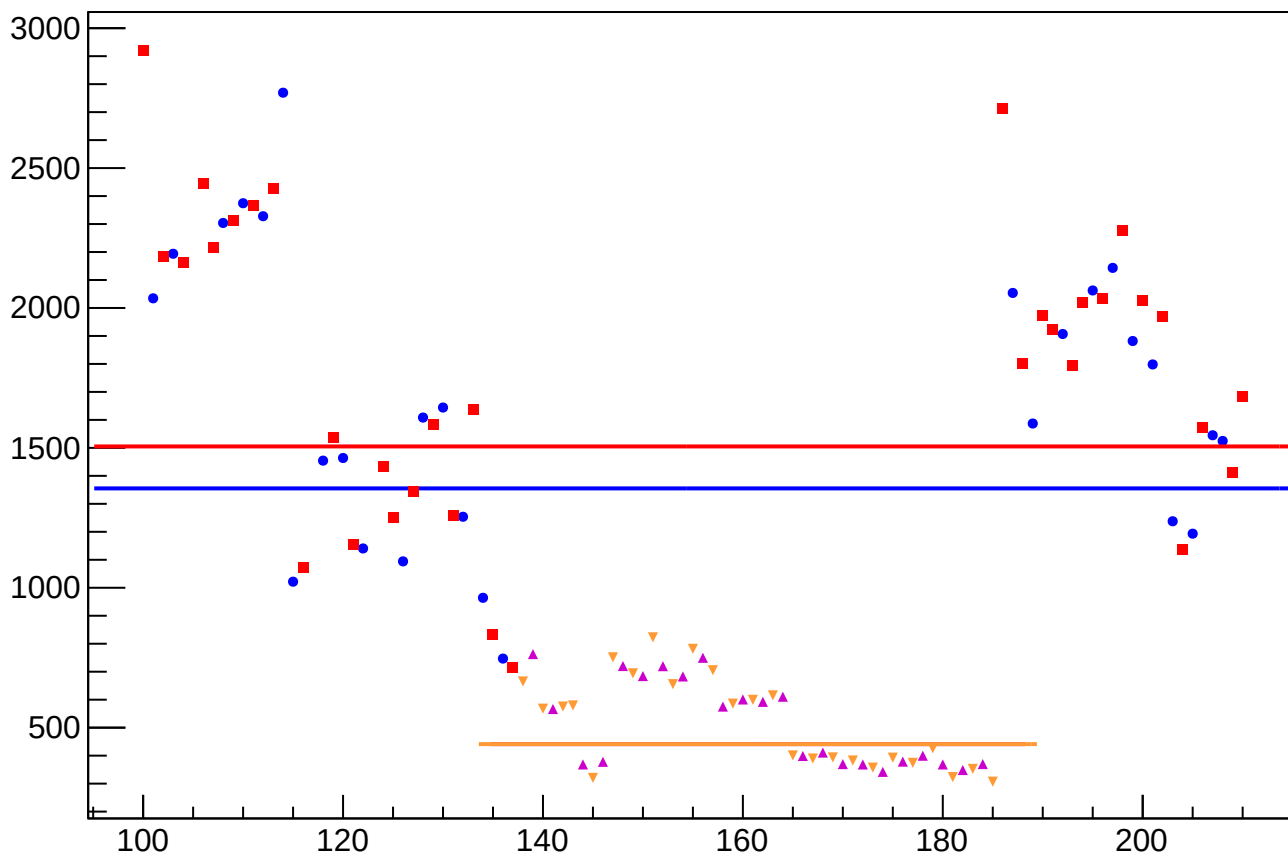
Left In: -10.643 ± 107.669 χ^2/NDF : 33.4/22

+ sign -356.491 ± 101.039 χ^2/NDF : 86.5/51

All: -221.499 ± 72.276 χ^2/NDF : 156.9/107

- sign -80.043 ± 103.430 χ^2/NDF : 66.7/55

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1355.139+/-0.256 χ^2/NDF : 3278705.6/26

Left Out: 441.128+/-0.074 χ^2/NDF : 3234629.2/24

Right Out: 1505.116+/-0.263 χ^2/NDF : 3346863.7/32

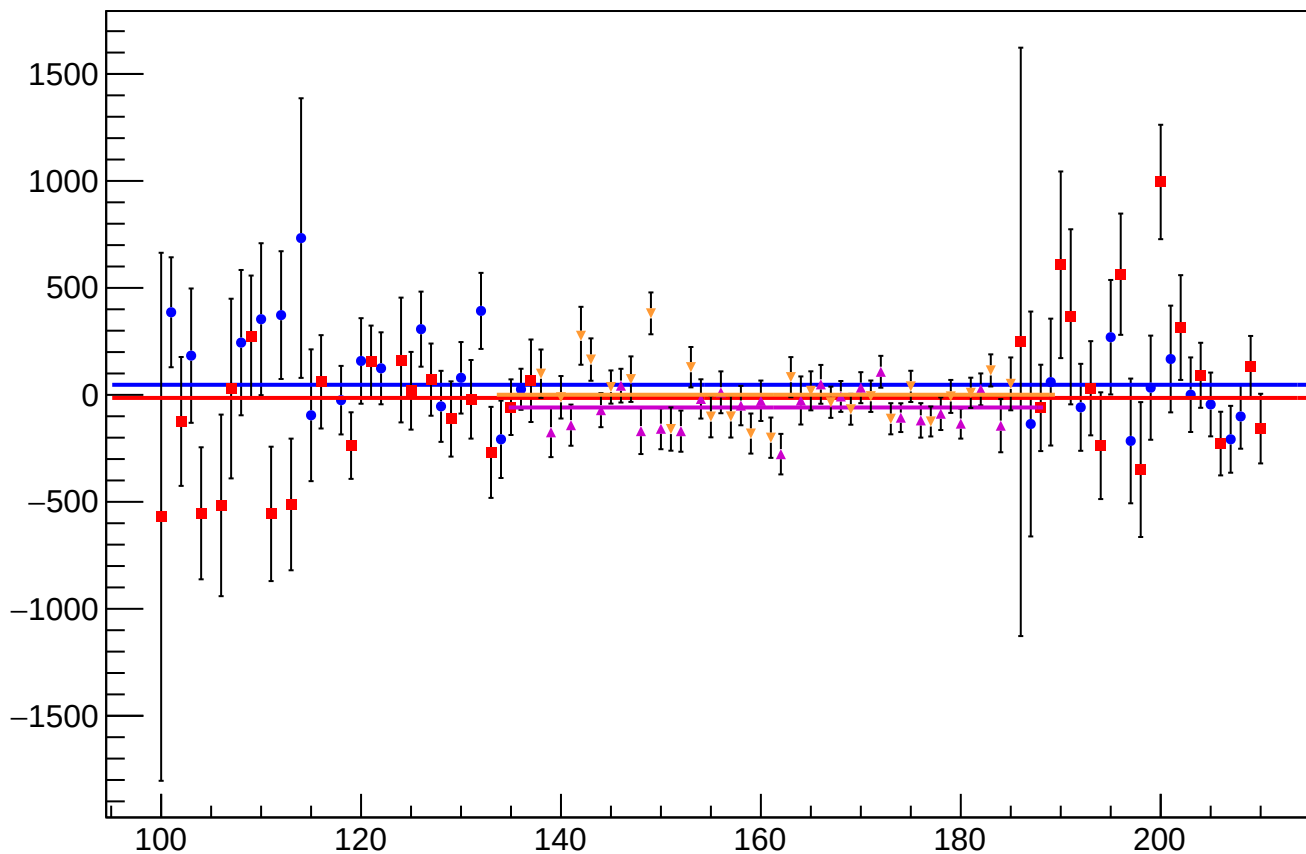
Left In: 441.196+/-0.076 χ^2/NDF : 2682075.8/22

+ sign 512.504+/-0.071 χ^2/NDF : 18295954.1/51

All: 517.790+/-0.051 χ^2/NDF : 39411579.0/10

- sign 523.329+/-0.073 χ^2/NDF : 21104415.4/55

cor_asym_sam_26_avg_mean vs Slug



Right In: 47.135 ± 37.756 $\chi^2/\text{NDF}: 20.9/26$

Left Out: 0.598 ± 17.319 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -14.295 ± 37.469 $\chi^2/\text{NDF}: 46.8/32$

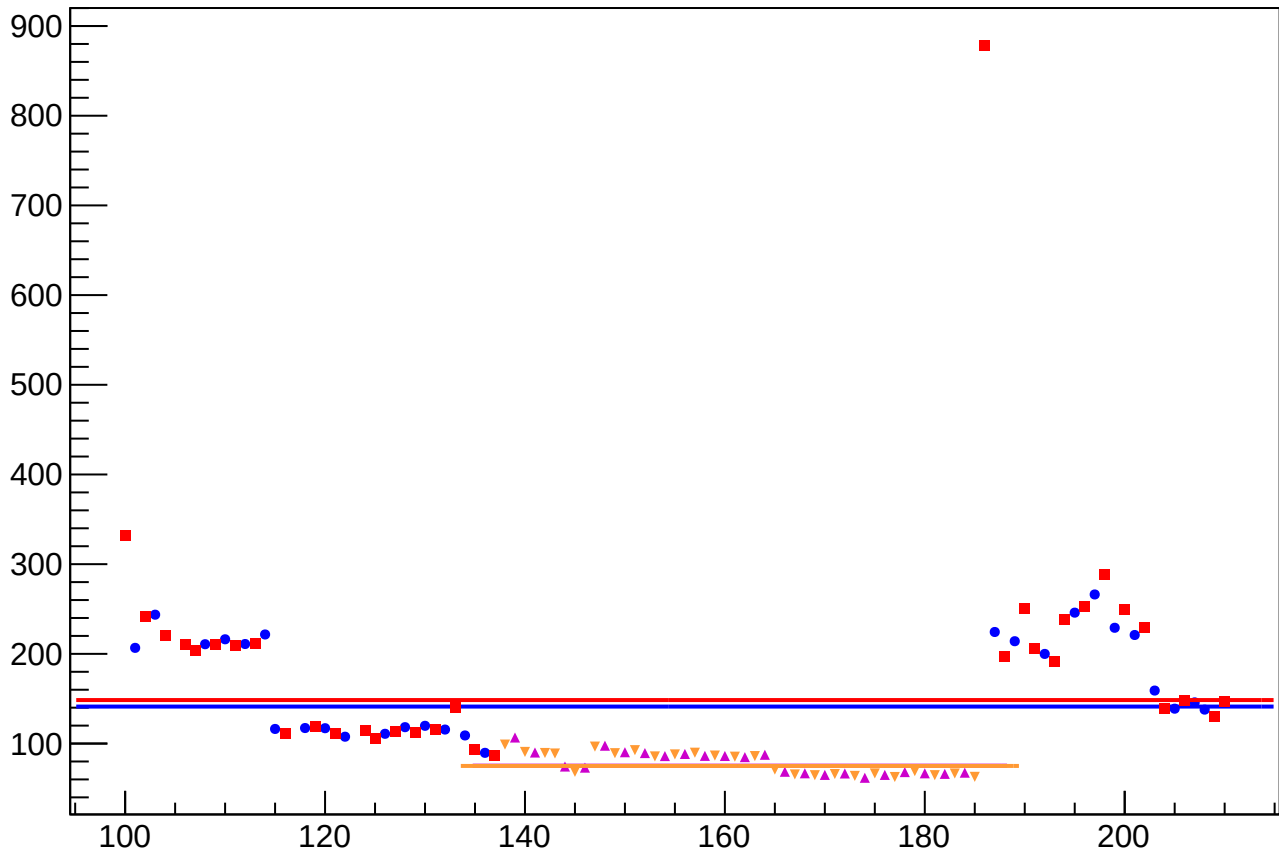
Left In: -58.904 ± 17.879 $\chi^2/\text{NDF}: 25.8/22$

+ sign 8.688 ± 15.742 $\chi^2/\text{NDF}: 70.7/51$

All: -20.238 ± 11.268 $\chi^2/\text{NDF}: 151.4/107$

- sign -50.631 ± 16.136 $\chi^2/\text{NDF}: 73.8/55$

cor_asym_sam_26_avg_rms vs Slug



Right In: 141.231 $\pm$ 0.027 χ^2 /NDF: 3137295.7/26

Left Out: 75.041 $\pm$ 0.012 χ^2 /NDF: 928107.8/24

Right Out: 148.488 $\pm$ 0.026 χ^2 /NDF: 4220124.2/32

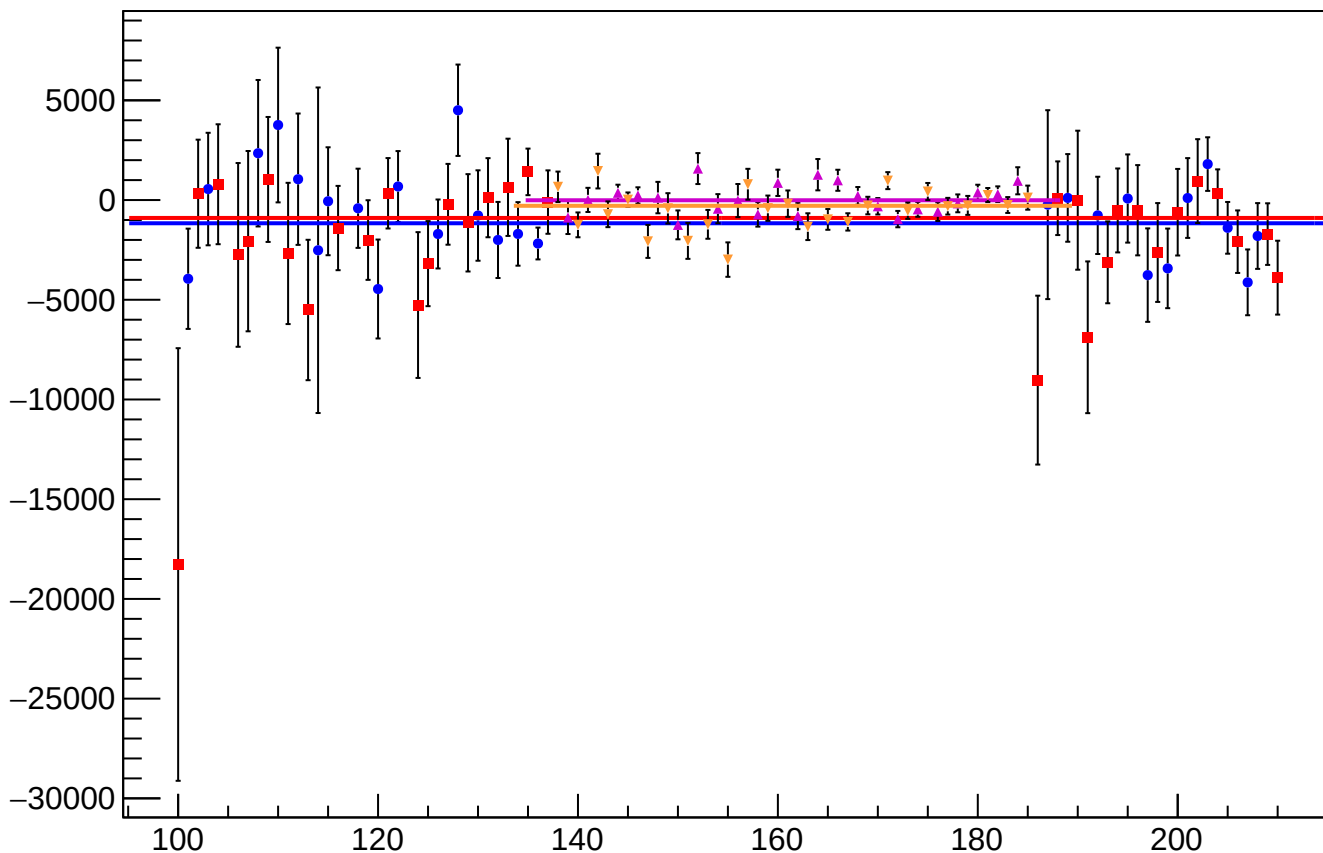
Left In: 75.352 $\pm$ 0.013 χ^2 /NDF: 837634.2/22

+ sign 86.548 $\pm$ 0.011 χ^2 /NDF: 9143571.9/51

All: 87.703 $\pm$ 0.008 χ^2 /NDF: 20430038.0/107

- sign 88.916 $\pm$ 0.011 χ^2 /NDF: 11264397.2/55

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1164.129 ± 361.568 χ^2/NDF : 27.9/26

Left Out: -288.079 ± 105.231 χ^2/NDF : 53.3/24

Right Out: -897.335 ± 372.419 χ^2/NDF : 27.5/32

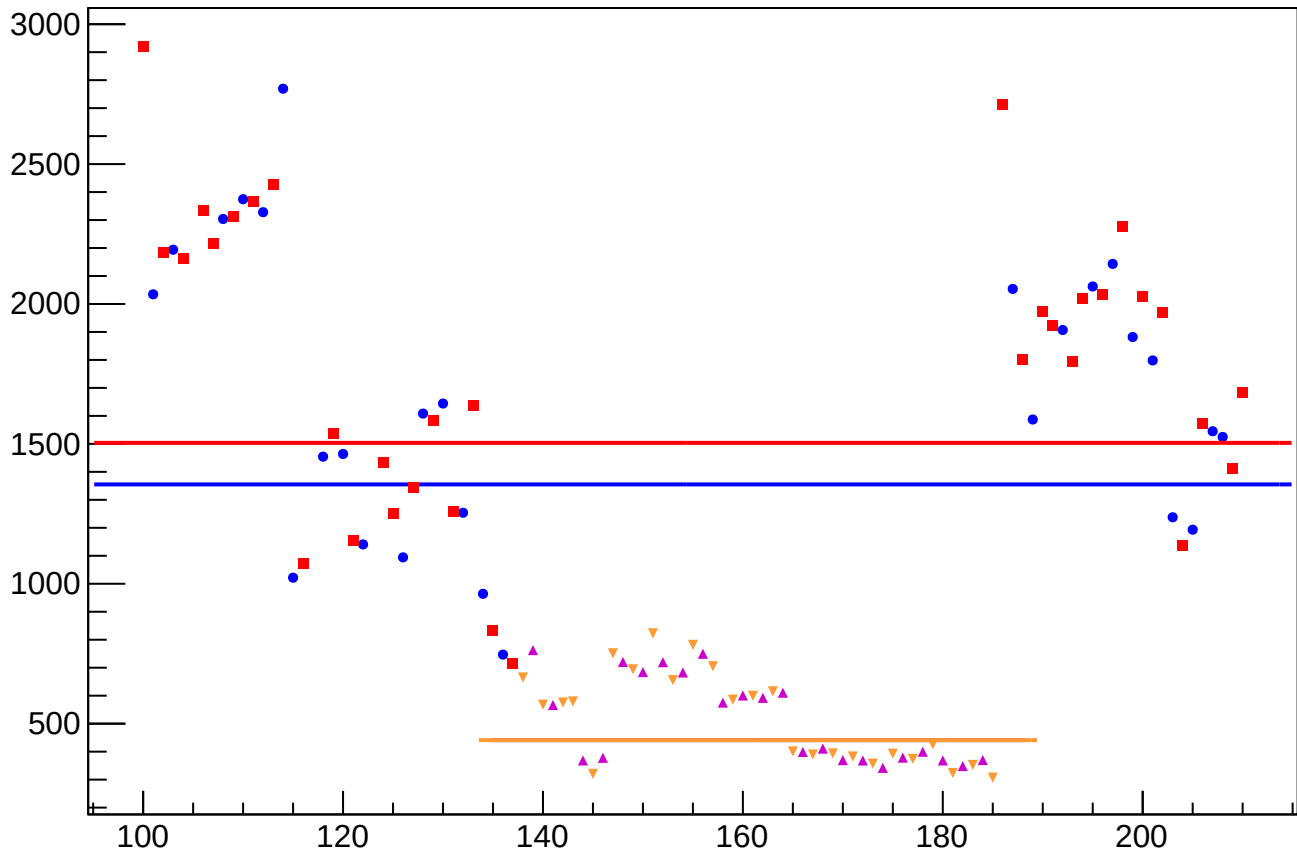
Left In: -10.644 ± 107.670 χ^2/NDF : 33.4/22

+ sign -356.490 ± 101.039 χ^2/NDF : 86.5/51

All: -221.014 ± 72.277 χ^2/NDF : 156.4/107

- sign -79.040 ± 103.434 χ^2/NDF : 66.2/55

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1355.139+/-0.256 χ^2/NDF : 3278735.8/26

Left Out: 441.128+/-0.074 χ^2/NDF : 3234622.5/24

Right Out: 1503.616+/-0.263 χ^2/NDF : 3318152.9/32

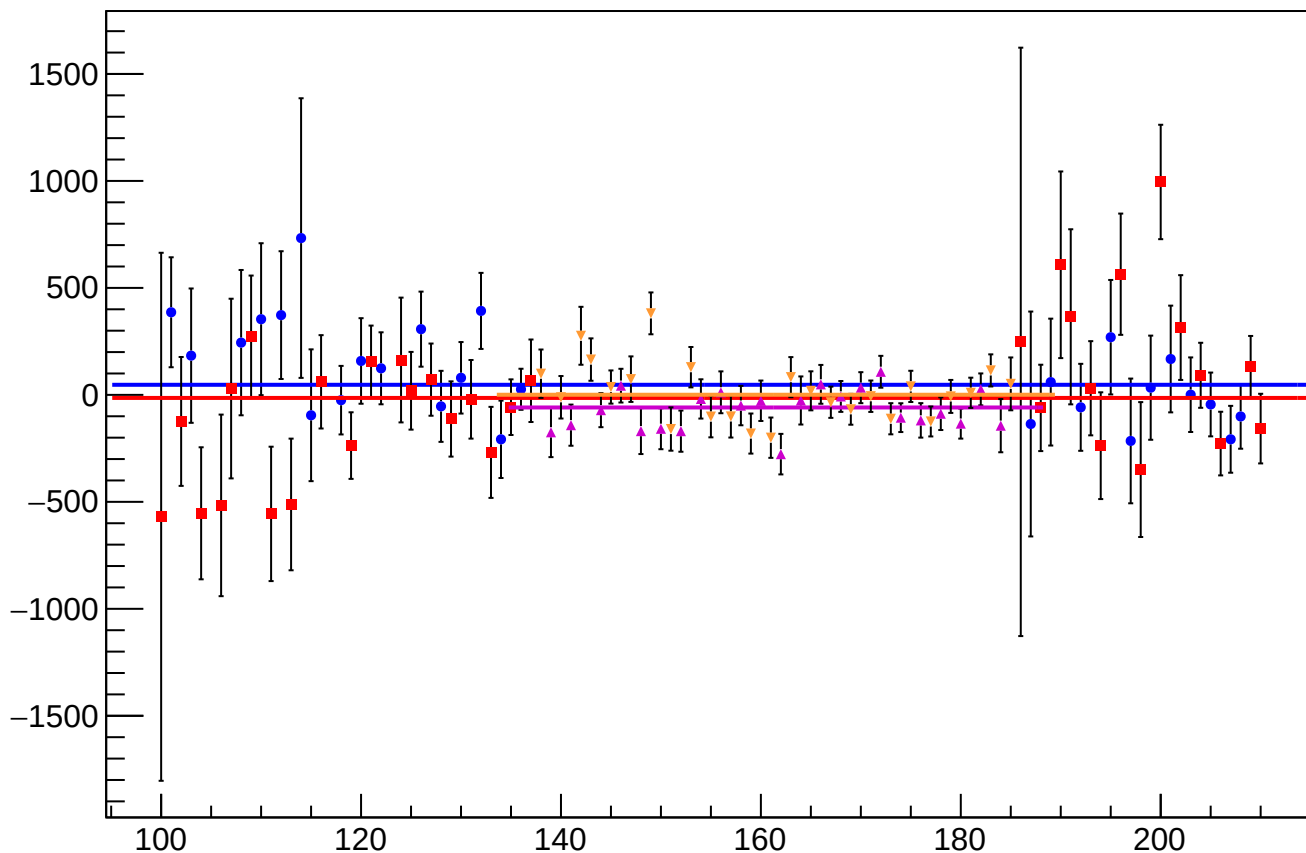
Left In: 441.196+/-0.076 χ^2/NDF : 2682073.9/22

+ sign 512.504+/-0.071 χ^2/NDF : 18295962.4/51

All: 517.701+/-0.051 χ^2/NDF : 39327911.2/10

- sign 523.147+/-0.073 χ^2/NDF : 21021112.6/55

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 47.135 ± 37.756 χ^2/NDF : 20.9/26

Left Out: 0.598 ± 17.319 χ^2/NDF : 48.6/24

Right Out: -14.295 ± 37.469 χ^2/NDF : 46.8/32

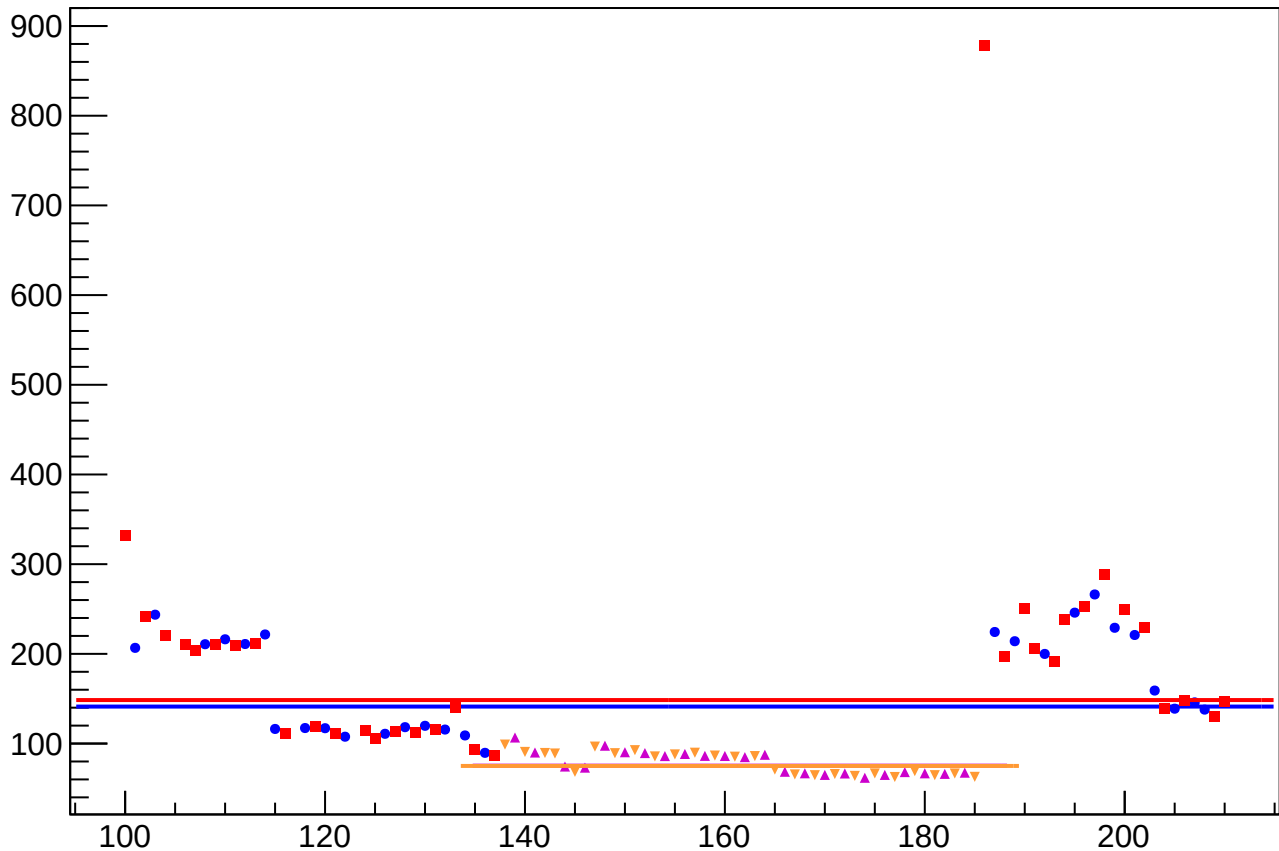
Left In: -58.904 ± 17.879 χ^2/NDF : 25.8/22

+ sign 8.688 ± 15.742 χ^2/NDF : 70.7/51

All: -20.238 ± 11.268 χ^2/NDF : 151.4/107

- sign -50.631 ± 16.136 χ^2/NDF : 73.8/55

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 141.231+/-0.027 χ^2/NDF : 3137295.7/26

Left Out: 75.041+/-0.012 χ^2/NDF : 928107.8/24

Right Out: 148.488+/-0.026 χ^2/NDF : 4220124.2/32

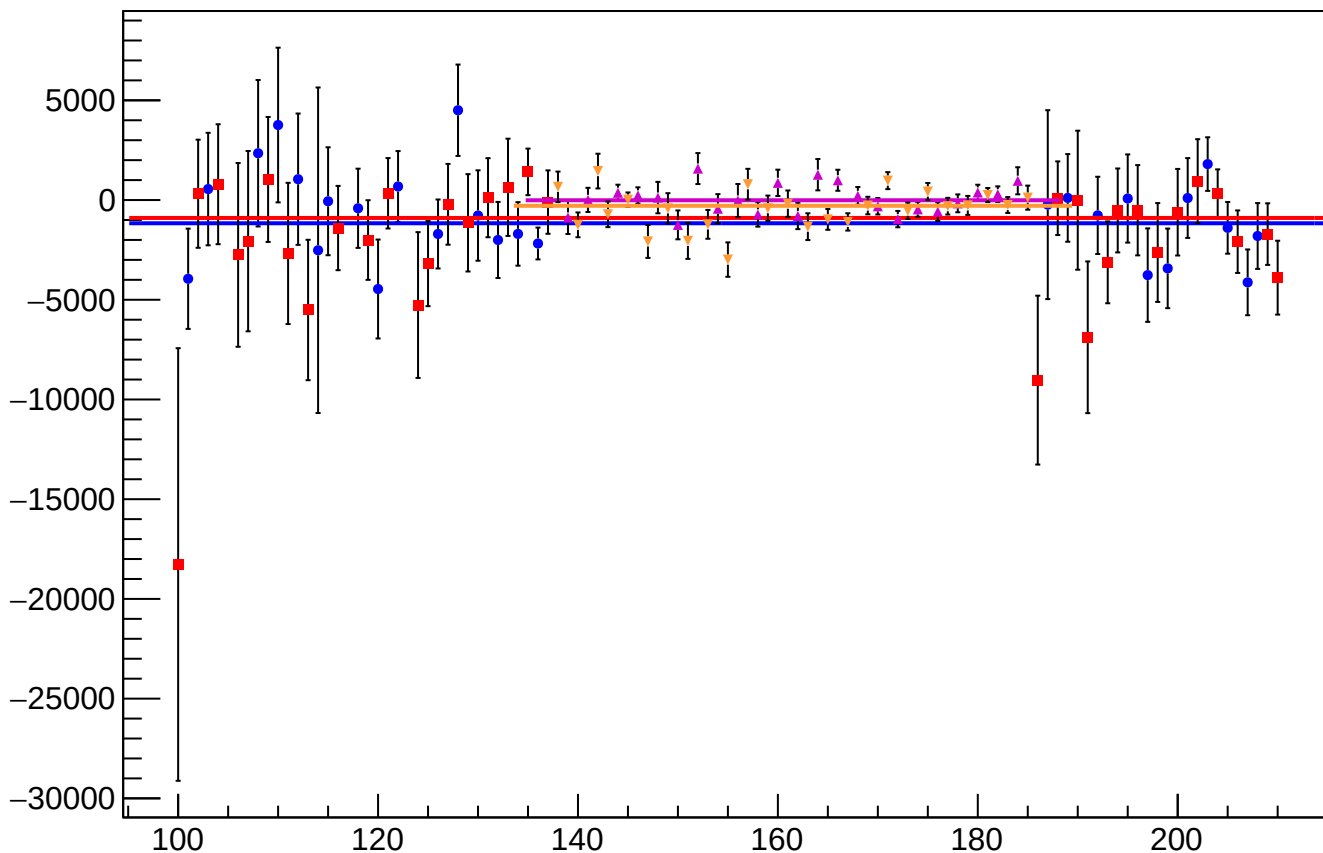
Left In: 75.352+/-0.013 χ^2/NDF : 837634.2/22

+ sign 86.548+/-0.011 χ^2/NDF : 9143571.9/51

All: 87.703+/-0.008 χ^2/NDF : 20430038.0/107

- sign 88.916+/-0.011 χ^2/NDF : 11264397.2/55

asym_sam_26_avg_eigen_cor_correction_mean vs Slug



Right In: -1164.129 ± 361.568 χ^2/NDF : 27.9/26

Left Out: -288.079 ± 105.231 χ^2/NDF : 53.3/24

Right Out: -897.335 ± 372.419 χ^2/NDF : 27.5/32

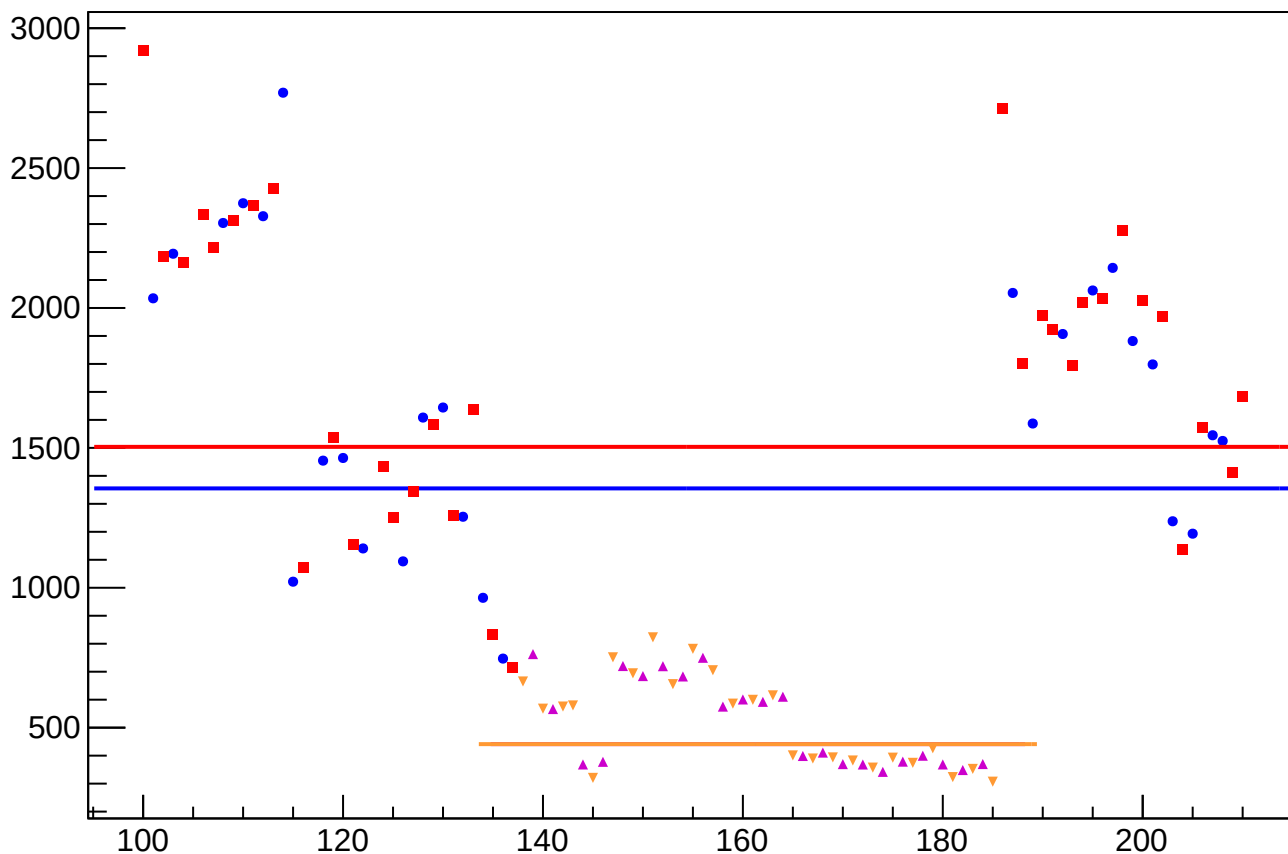
Left In: -10.644 ± 107.670 χ^2/NDF : 33.4/22

+ sign -356.490 ± 101.039 χ^2/NDF : 86.5/51

All: -221.014 ± 72.277 χ^2/NDF : 156.4/107

- sign -79.040 ± 103.434 χ^2/NDF : 66.2/55

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1355.139+/-0.256 χ^2/NDF : 3278735.8/26

Left Out: 441.128+/-0.074 χ^2/NDF : 3234622.5/24

Right Out: 1503.616+/-0.263 χ^2/NDF : 3318152.9/32

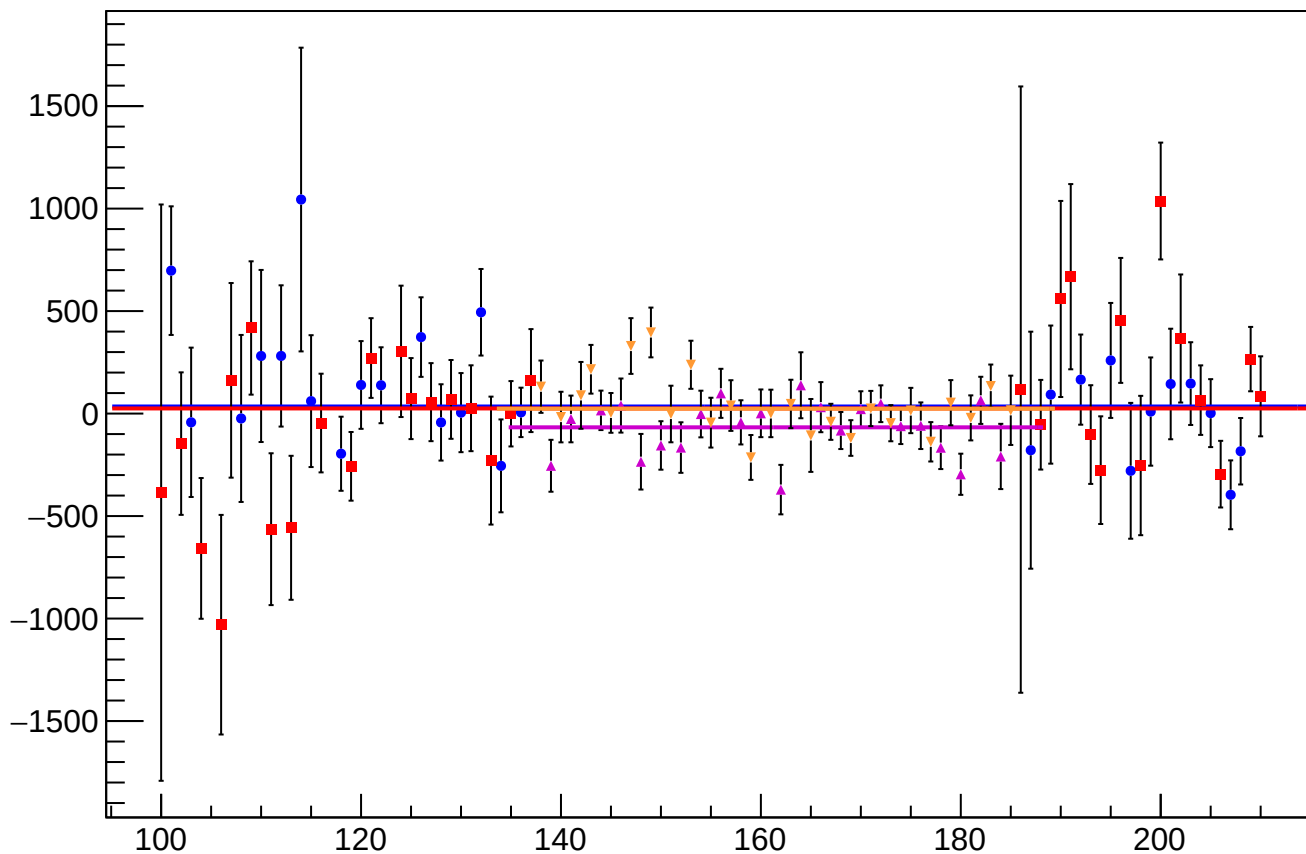
Left In: 441.196+/-0.076 χ^2/NDF : 2682073.9/22

+ sign 512.504+/-0.071 χ^2/NDF : 18295962.4/51

All: 517.701+/-0.051 χ^2/NDF : 39327911.2/10

- sign 523.147+/-0.073 χ^2/NDF : 21021112.6/55

dit_asym_sam_26_avg_mean vs Slug



Right In: 34.516 ± 43.005 χ^2/NDF : 30.1/26

Left Out: 23.873 ± 22.414 χ^2/NDF : 35.2/24

Right Out: 25.030 ± 42.587 χ^2/NDF : 49.2/32

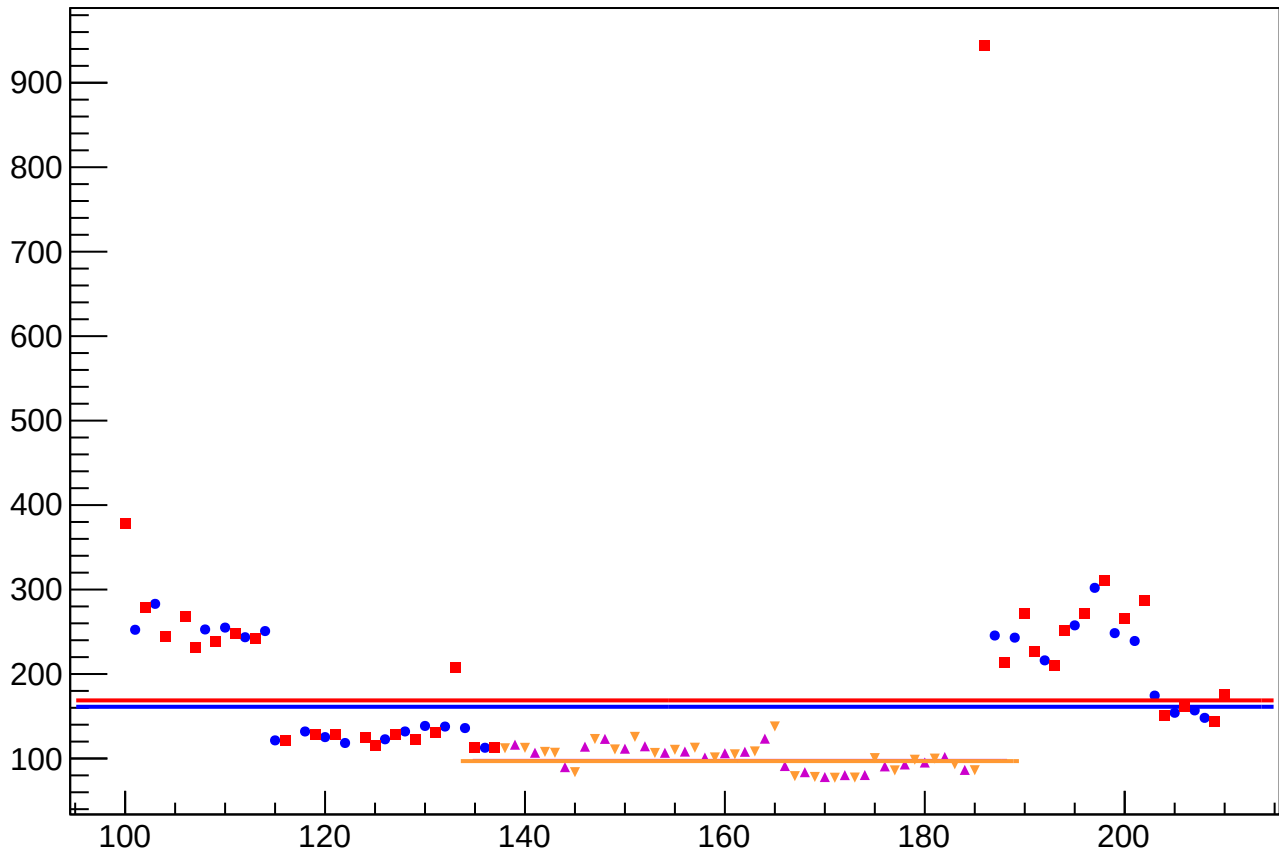
Left In: -67.086 ± 23.121 χ^2/NDF : 28.6/22

+ sign 26.147 ± 19.876 χ^2/NDF : 65.3/51

All: -9.188 ± 14.209 χ^2/NDF : 153.3/107

- sign -46.115 ± 20.319 χ^2/NDF : 81.5/55

dit_asym_sam_26_avg_rms vs Slug



Right In: 161.212 $\pm$ 0.030 χ^2 /NDF: 2806509.8/26

Left Out: 96.907 $\pm$ 0.016 χ^2 /NDF: 933980.7/24

Right Out: 168.768 $\pm$ 0.030 χ^2 /NDF: 4010274.7/32

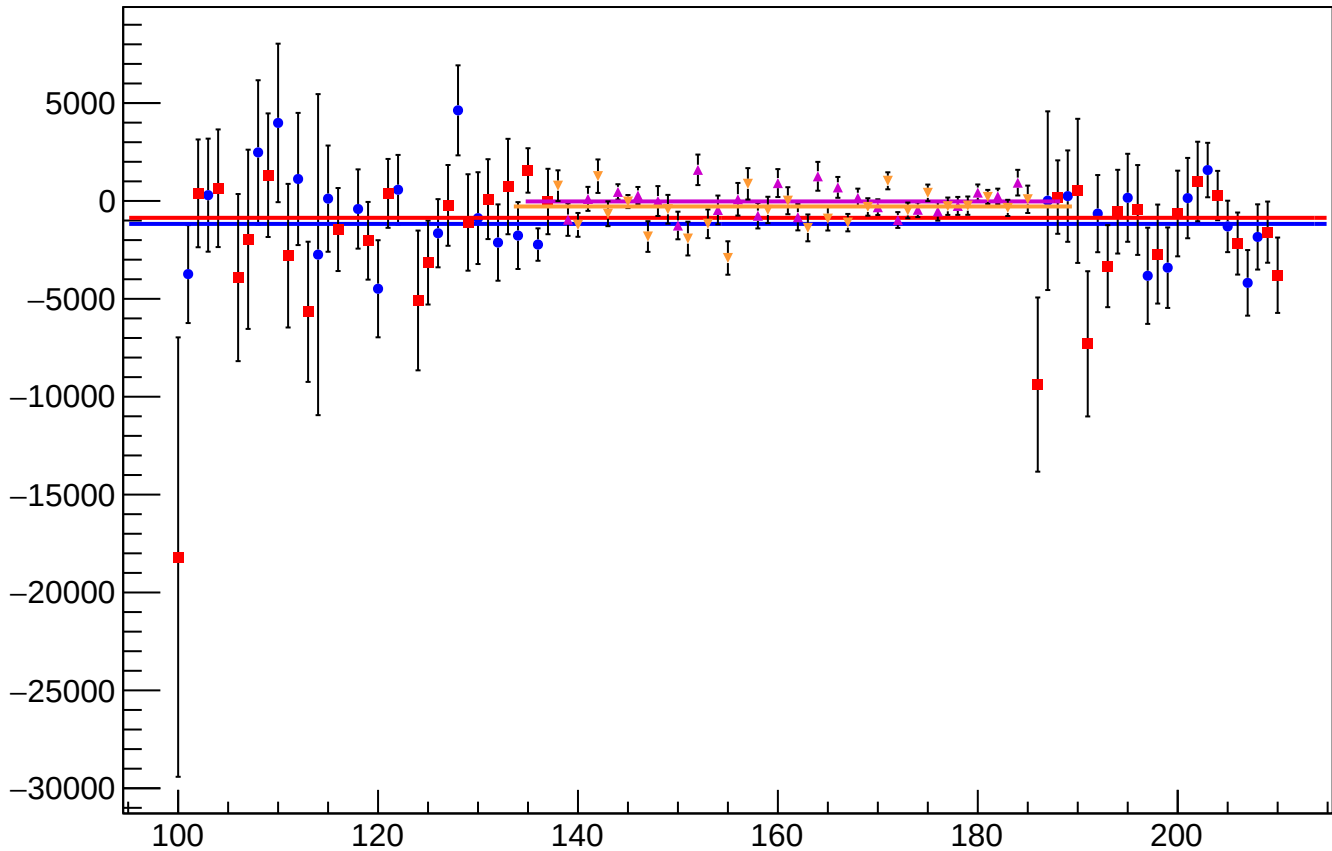
Left In: 97.167 $\pm$ 0.016 χ^2 /NDF: 674595.2/22

+ sign 110.644 $\pm$ 0.014 χ^2 /NDF: 7257028.4/51

All: 112.025 $\pm$ 0.010 χ^2 /NDF: 16327988.3/10

- sign 113.467 $\pm$ 0.014 χ^2 /NDF: 9051227.1/55

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1173.033 ± 370.602 χ^2/NDF : 26.9/26

Left Out: -282.422 ± 106.394 χ^2/NDF : 50.4/24

Right Out: -862.181 ± 375.912 χ^2/NDF : 29.0/32

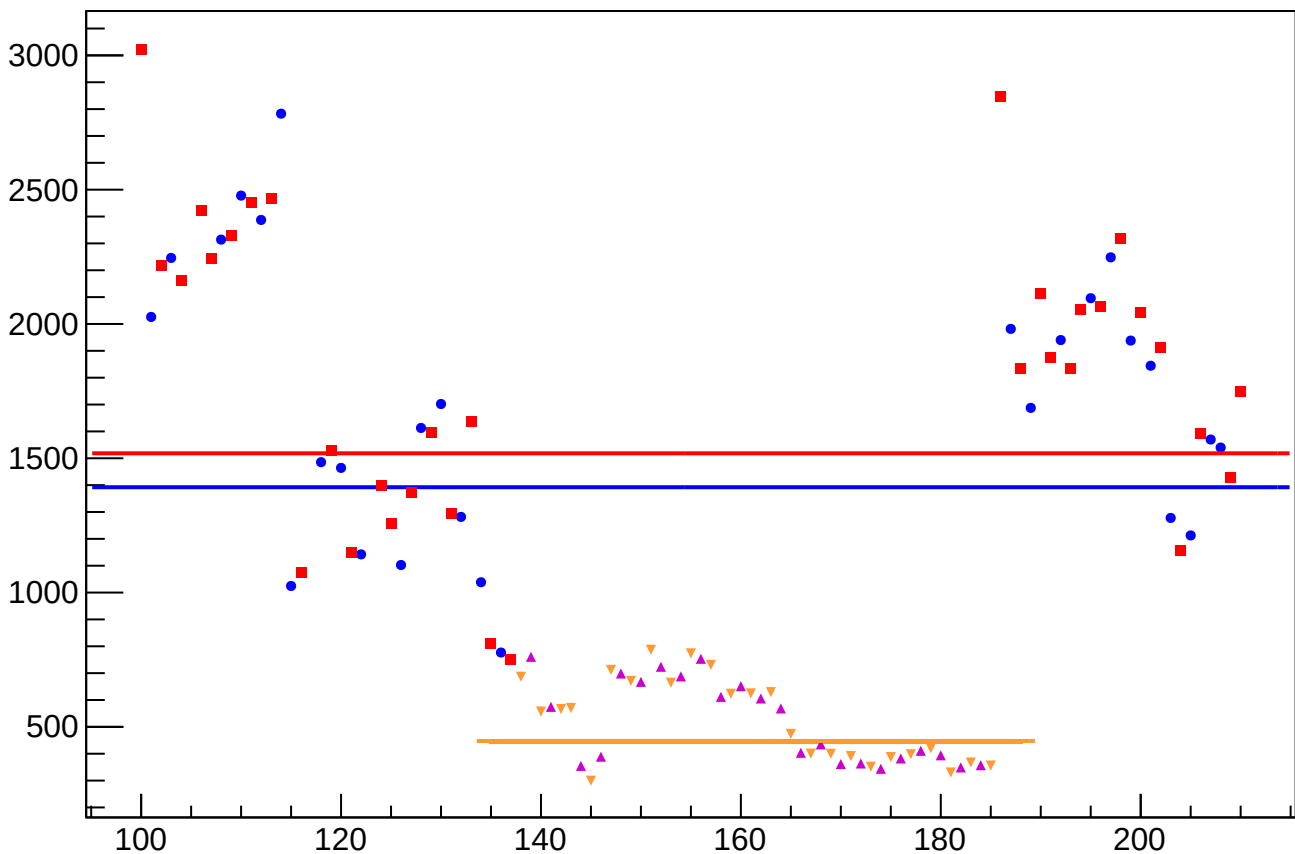
Left In: -24.625 ± 108.884 χ^2/NDF : 32.9/22

+ sign -350.235 ± 102.263 χ^2/NDF : 82.7/51

All: -222.772 ± 73.118 χ^2/NDF : 152.3/107

- sign -89.456 ± 104.585 χ^2/NDF : 66.5/55

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1392.195 +/- 0.262 χ^2/NDF : 3178371.0/26

Left Out: 447.386 +/- 0.075 χ^2/NDF : 3197771.9/24

Right Out: 1518.471 +/- 0.266 χ^2/NDF : 3428896.1/32

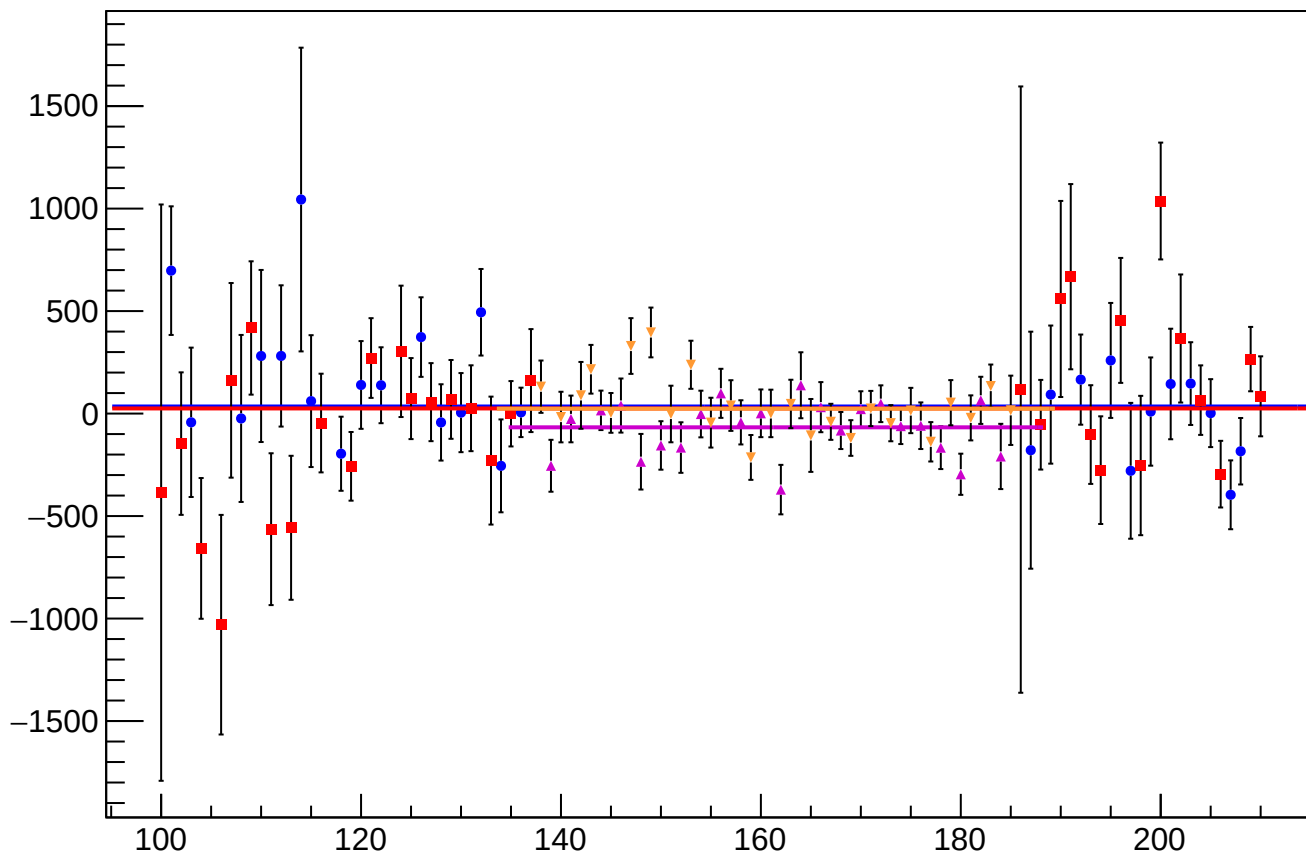
Left In: 445.491 +/- 0.077 χ^2/NDF : 2713295.1/22

+ sign 519.325 +/- 0.072 χ^2/NDF : 18385165.7/51

All: 523.832 +/- 0.052 χ^2/NDF : 39568562.8/10

- sign 528.544 +/- 0.074 χ^2/NDF : 21175452.6/55

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 34.519 $\pm$ 43.005 χ^2/NDF : 30.1/26

Left Out: 23.872 $\pm$ 22.414 χ^2/NDF : 35.2/24

Right Out: 25.030 $\pm$ 42.587 χ^2/NDF : 49.2/32

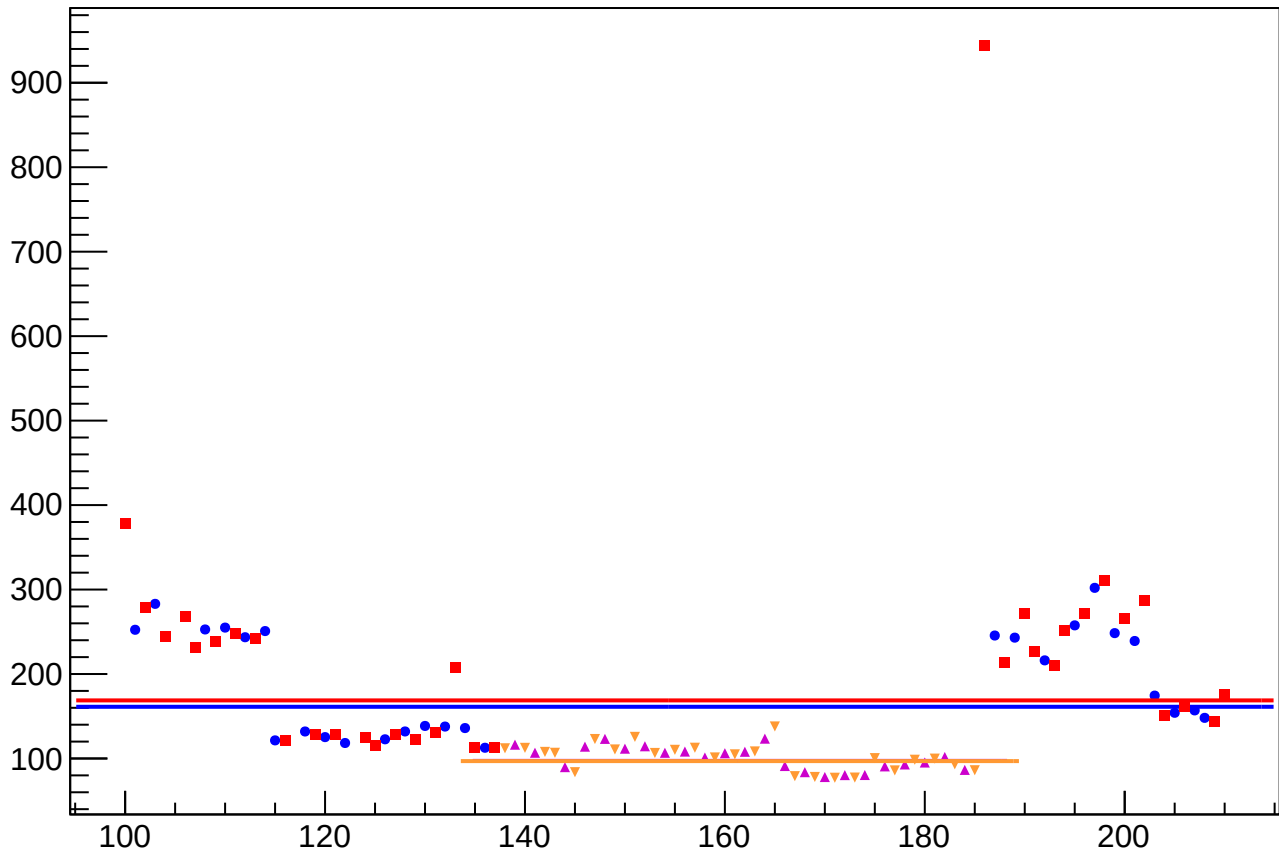
Left In: -67.085 $\pm$ 23.121 χ^2/NDF : 28.6/22

+ sign 26.146 $\pm$ 19.876 χ^2/NDF : 65.3/51

All: -9.188 $\pm$ 14.209 χ^2/NDF : 153.3/107

- sign -46.115 $\pm$ 20.319 χ^2/NDF : 81.5/55

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 161.211 $\pm$ 0.030 χ^2 /NDF: 2806518.2/26

Left Out: 96.907 $\pm$ 0.016 χ^2 /NDF: 933979.3/24

Right Out: 168.767 $\pm$ 0.030 χ^2 /NDF: 4010276.1/32

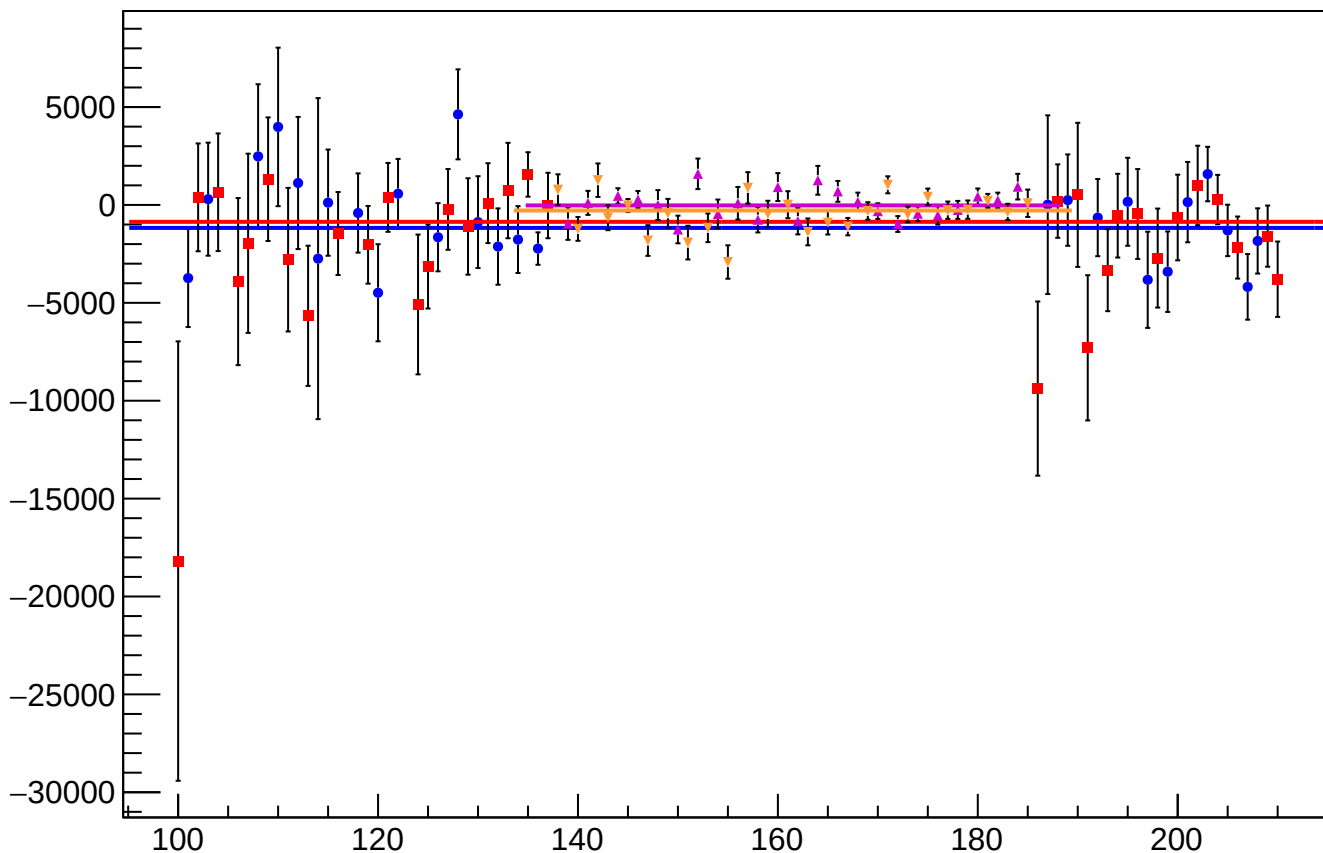
Left In: 97.168 $\pm$ 0.016 χ^2 /NDF: 674586.0/22

+ sign 110.644 $\pm$ 0.014 χ^2 /NDF: 7256960.9/51

All: 112.025 $\pm$ 0.010 χ^2 /NDF: 16327848.1/10

- sign 113.468 $\pm$ 0.014 χ^2 /NDF: 9051152.6/55

asym_sam_26_avg_eigen_dit_correction_mean vs Slug



Right In: -1173.031 ± 370.602 χ^2/NDF : 26.9/26

Left Out: -282.421 ± 106.394 χ^2/NDF : 50.4/24

Right Out: -862.182 ± 375.912 χ^2/NDF : 29.0/32

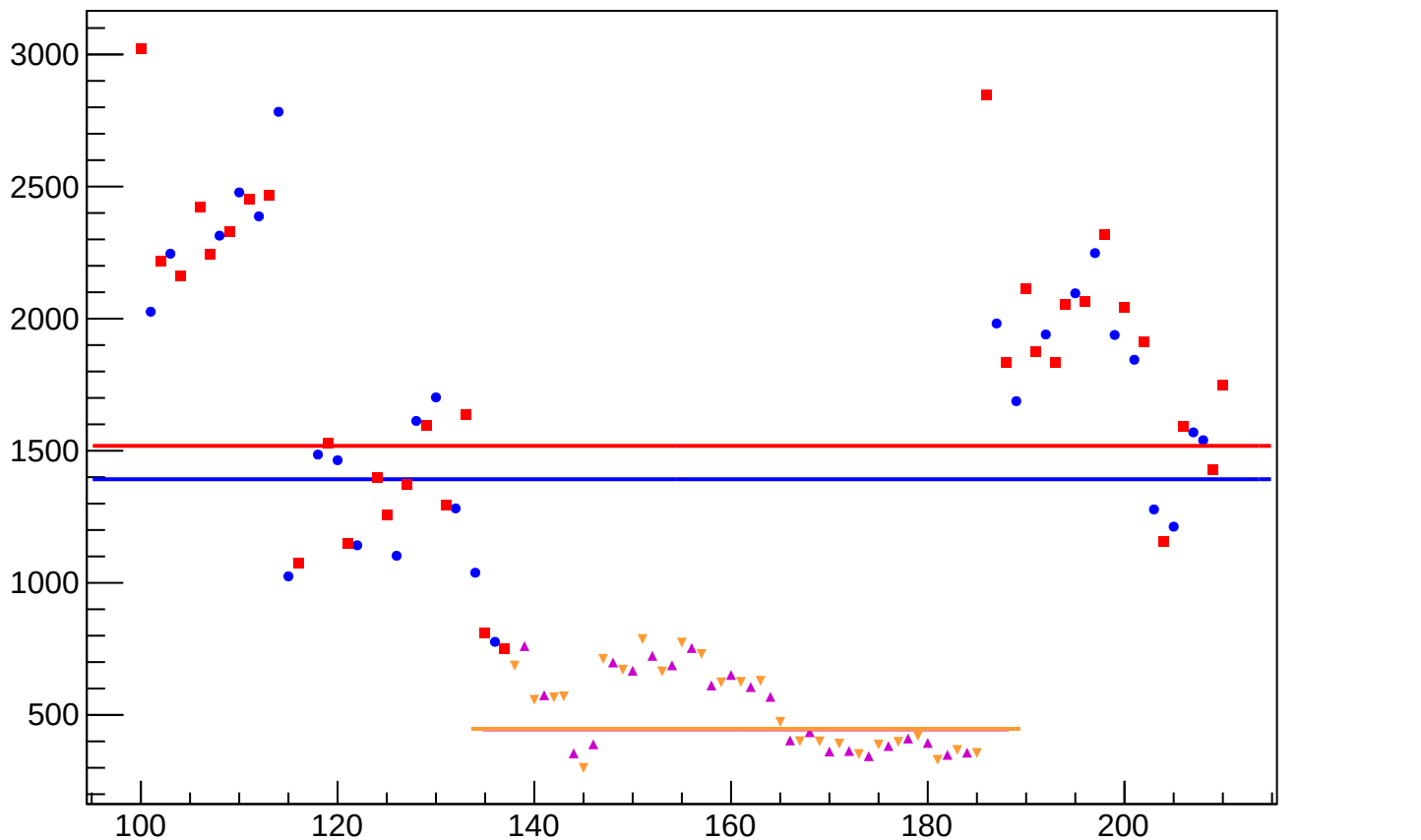
Left In: -24.626 ± 108.884 χ^2/NDF : 32.9/22

+ sign -350.234 ± 102.263 χ^2/NDF : 82.7/51

All: -222.771 ± 73.118 χ^2/NDF : 152.3/107

- sign -89.456 ± 104.585 χ^2/NDF : 66.5/55

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1392.196 $\pm$ 0.262 χ^2 /NDF: 3178350.9/26

Left Out: 447.385 $\pm$ 0.075 χ^2 /NDF: 3197793.9/24

Right Out: 1518.472 $\pm$ 0.266 χ^2 /NDF: 3428879.0/32

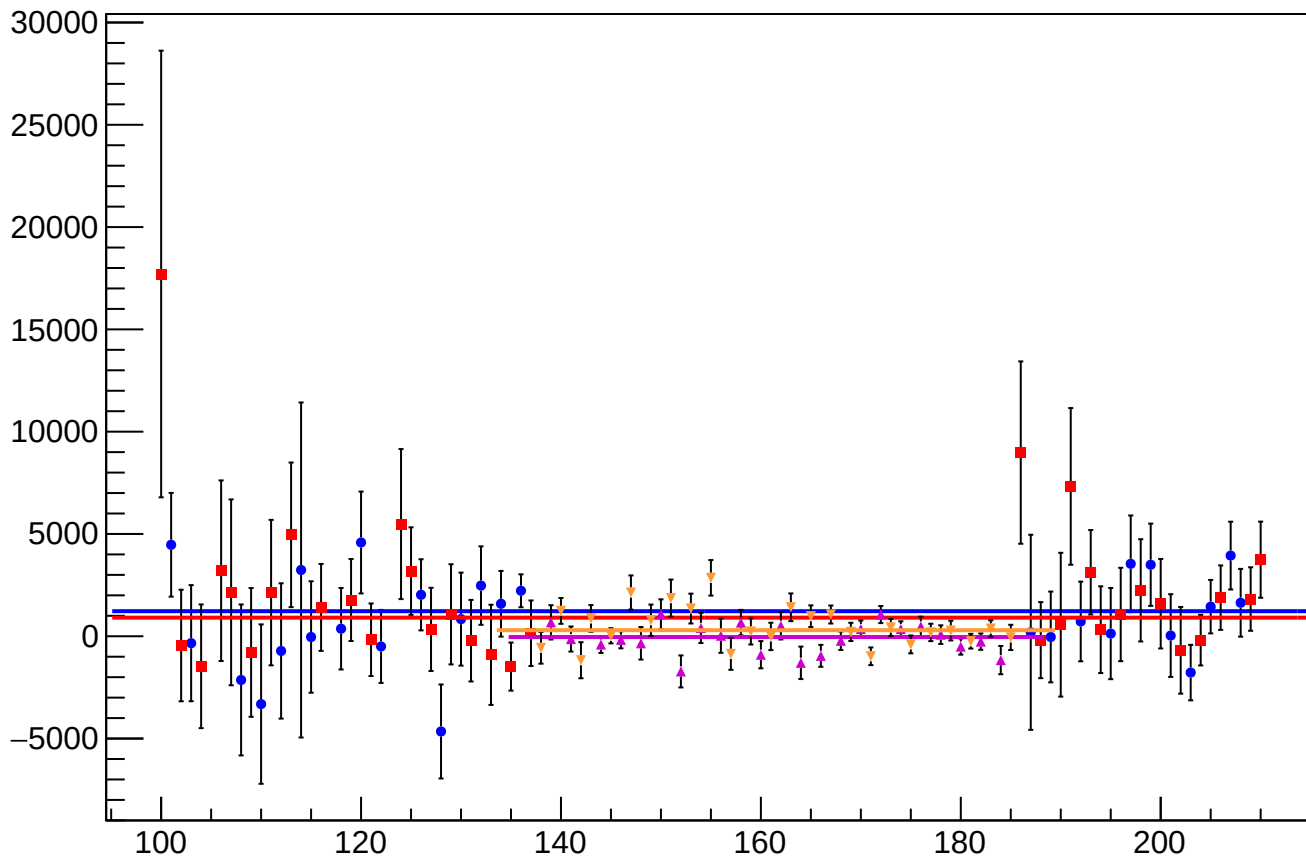
Left In: 445.491 $\pm$ 0.077 χ^2 /NDF: 2713303.9/22

+ sign 519.325 $\pm$ 0.072 χ^2 /NDF: 18385192.5/51

All: 523.831 $\pm$ 0.052 χ^2 /NDF: 39568604.9/10

- sign 528.544 $\pm$ 0.074 χ^2 /NDF: 21175467.7/55

asym_sam_26_avg_mean vs Slug



Right In: 1224.778 $\pm$ 364.021 χ^2 /NDF: 27.4/26

Left Out: 295.006 $\pm$ 106.810 χ^2 /NDF: 50.5/24

Right Out: 909.879 $\pm$ 374.591 χ^2 /NDF: 26.4/32

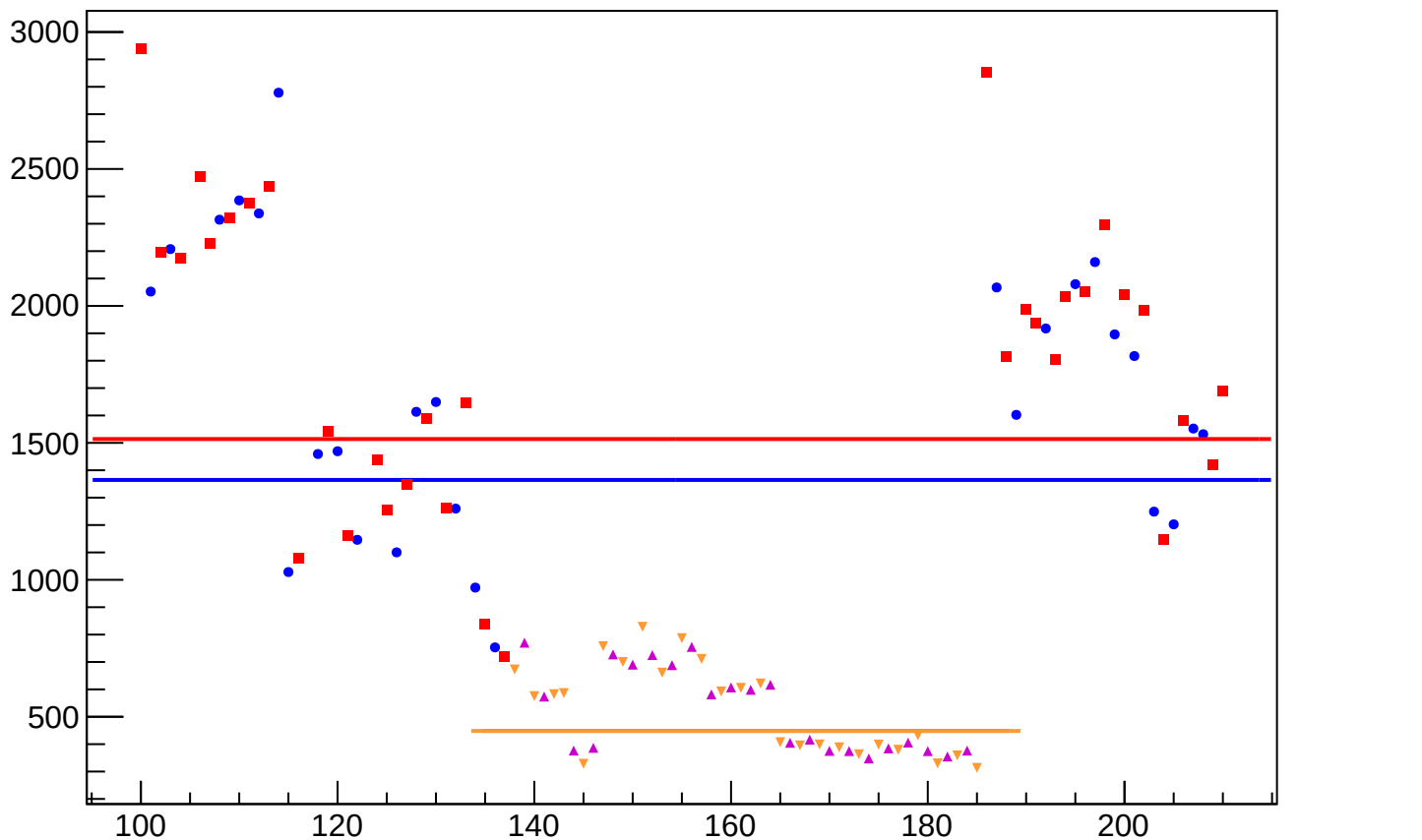
Left In: -38.107 $\pm$ 109.315 χ^2 /NDF: 32.9/22

+ sign 368.708 $\pm$ 102.489 χ^2 /NDF: 83.9/51

All: 206.424 $\pm$ 73.321 χ^2 /NDF: 154.3/107

- sign 36.290 $\pm$ 104.938 χ^2 /NDF: 65.2/55

asym_sam_26_avg_rms vs Slug



Right In: 1364.682 $\pm$ 0.257 χ^2 /NDF: 3266772.3/26

Left Out: 448.278 $\pm$ 0.076 χ^2 /NDF: 3156909.8/24

Right Out: 1513.984 $\pm$ 0.265 χ^2 /NDF: 3365961.9/32

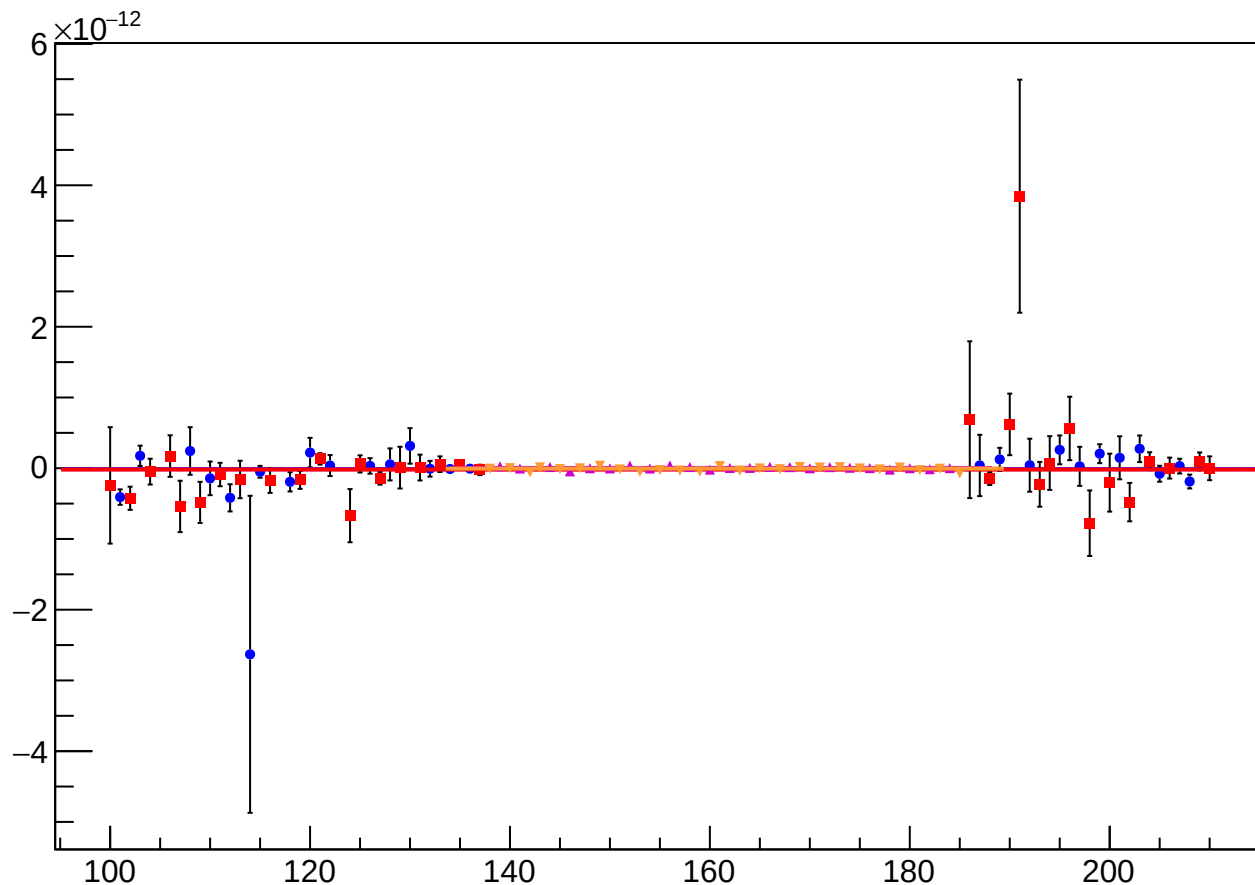
Left In: 448.397 $\pm$ 0.077 χ^2 /NDF: 2620759.6/22

+ sign 520.920 $\pm$ 0.072 χ^2 /NDF: 18094019.2/51

All: 526.341 $\pm$ 0.052 χ^2 /NDF: 39006362.8/10

- sign 532.023 $\pm$ 0.074 χ^2 /NDF: 20900884.7/55

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 38.4/26

Left Out: -0.000+/-0.000 χ^2 /NDF: 23.2/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 45.3/32

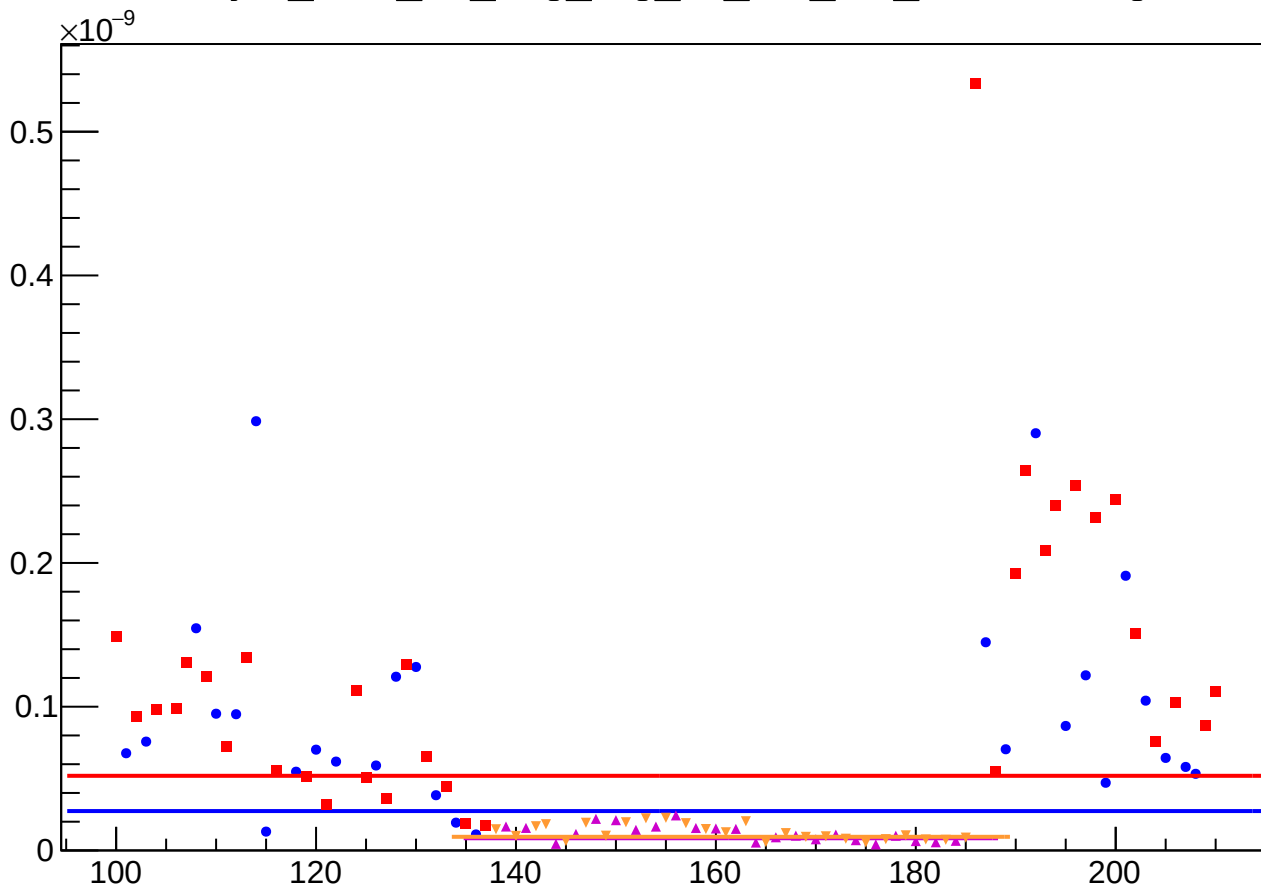
Left In: 0.000+/-0.000 χ^2 /NDF: 16.7/22

+ sign -0.000+/-0.000 χ^2 /NDF: 61.8/51

All: -0.000+/-0.000 χ^2 /NDF: 127.2/107

- sign 0.000+/-0.000 χ^2 /NDF: 62.9/55

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6797225.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6233740.2/32

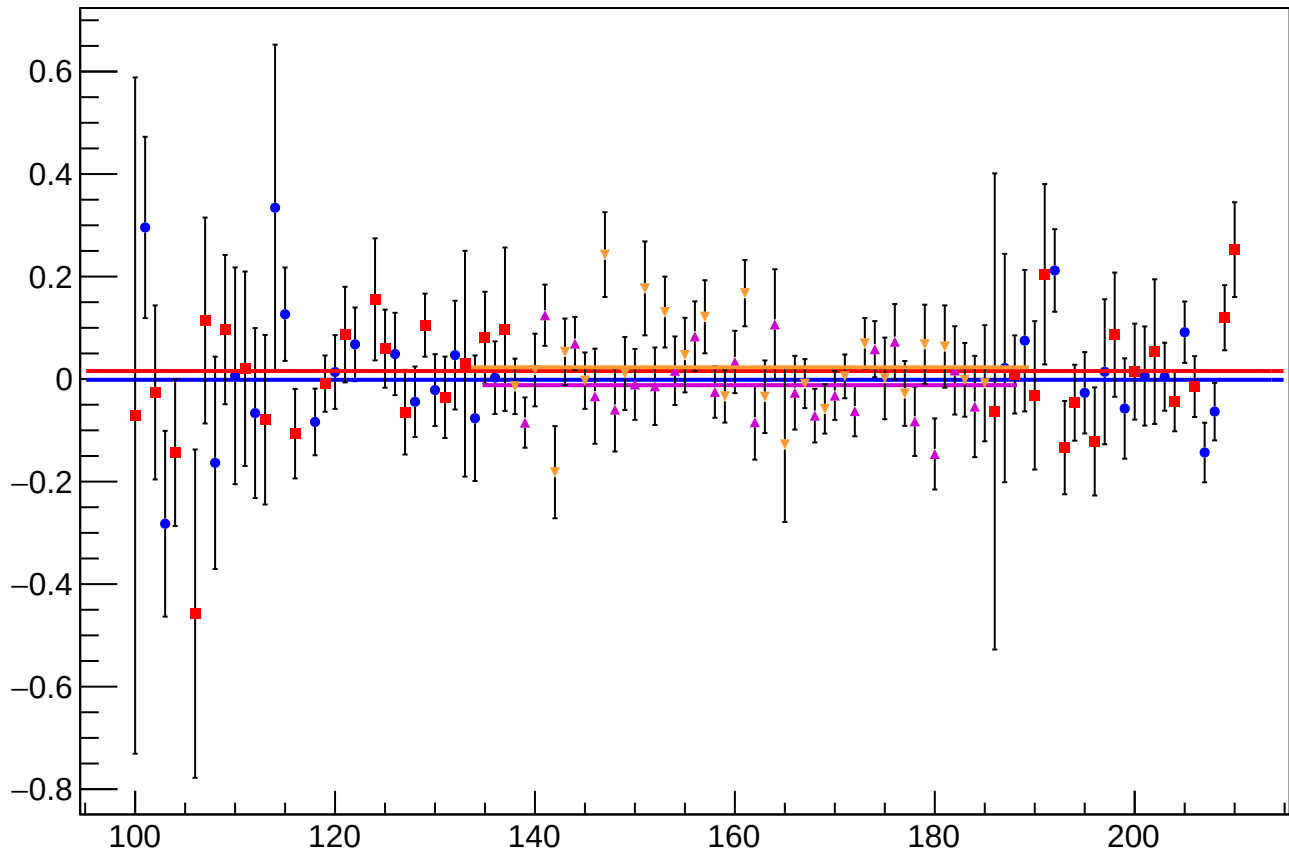
Left In: 0.000+/-0.000 χ^2/NDF : 2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 11415627.2/51

All: 0.000+/-0.000 χ^2/NDF : 26699148.3/107

- sign 0.000+/-0.000 χ^2/NDF : 15223521.1/55

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.017 χ^2/NDF : 30.5/26

Left Out: 0.023 ± 0.013 χ^2/NDF : 34.2/24

Right Out: 0.016 ± 0.017 χ^2/NDF : 30.5/32

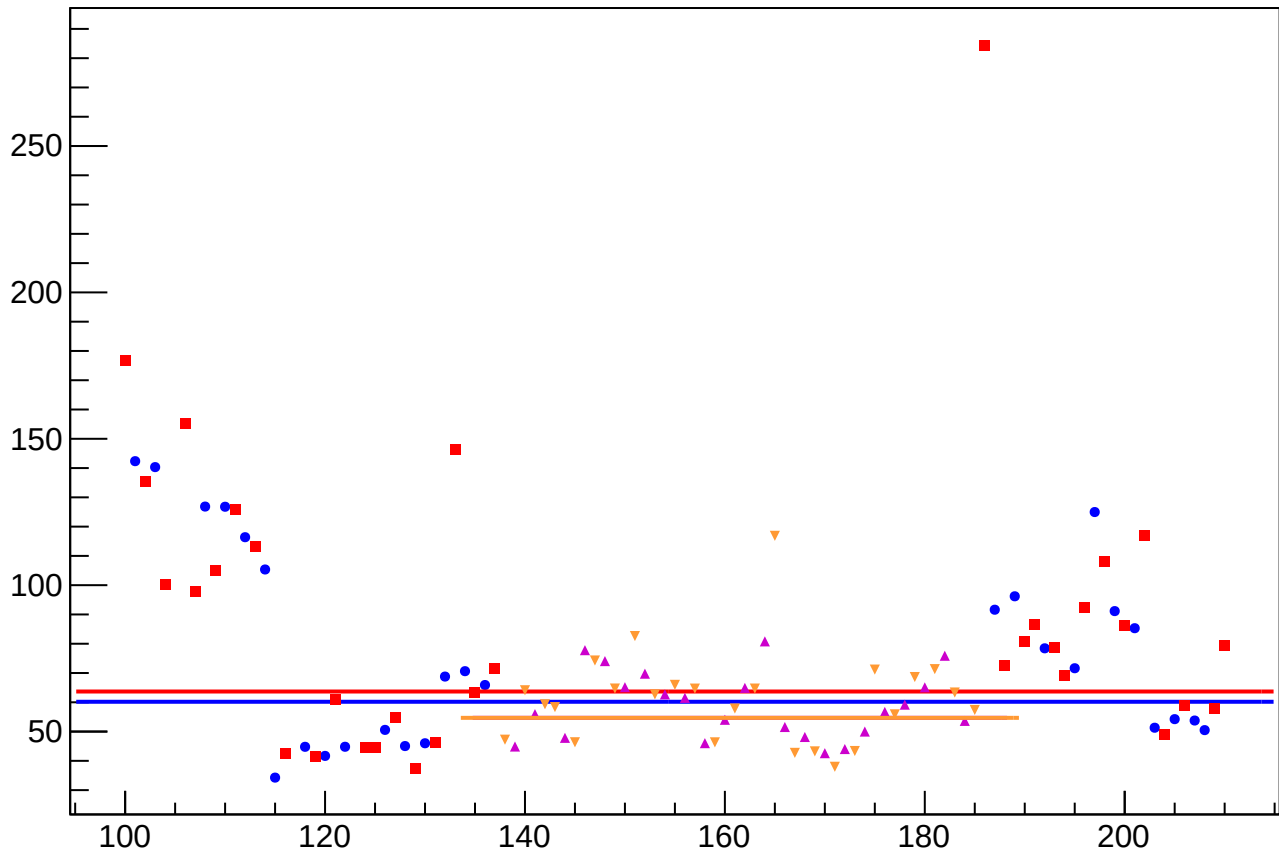
Left In: -0.012 ± 0.013 χ^2/NDF : 25.9/22

+ sign 0.014 ± 0.010 χ^2/NDF : 66.0/51

All: 0.006 ± 0.007 χ^2/NDF : 125.1/107

- sign -0.001 ± 0.010 χ^2/NDF : 58.0/55

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.178 ± 0.012 $\chi^2/\text{NDF}: 3459112.5/26$

Left Out: 54.686 ± 0.009 $\chi^2/\text{NDF}: 1936559.5/24$

Right Out: 63.683 ± 0.012 $\chi^2/\text{NDF}: 4366641.8/32$

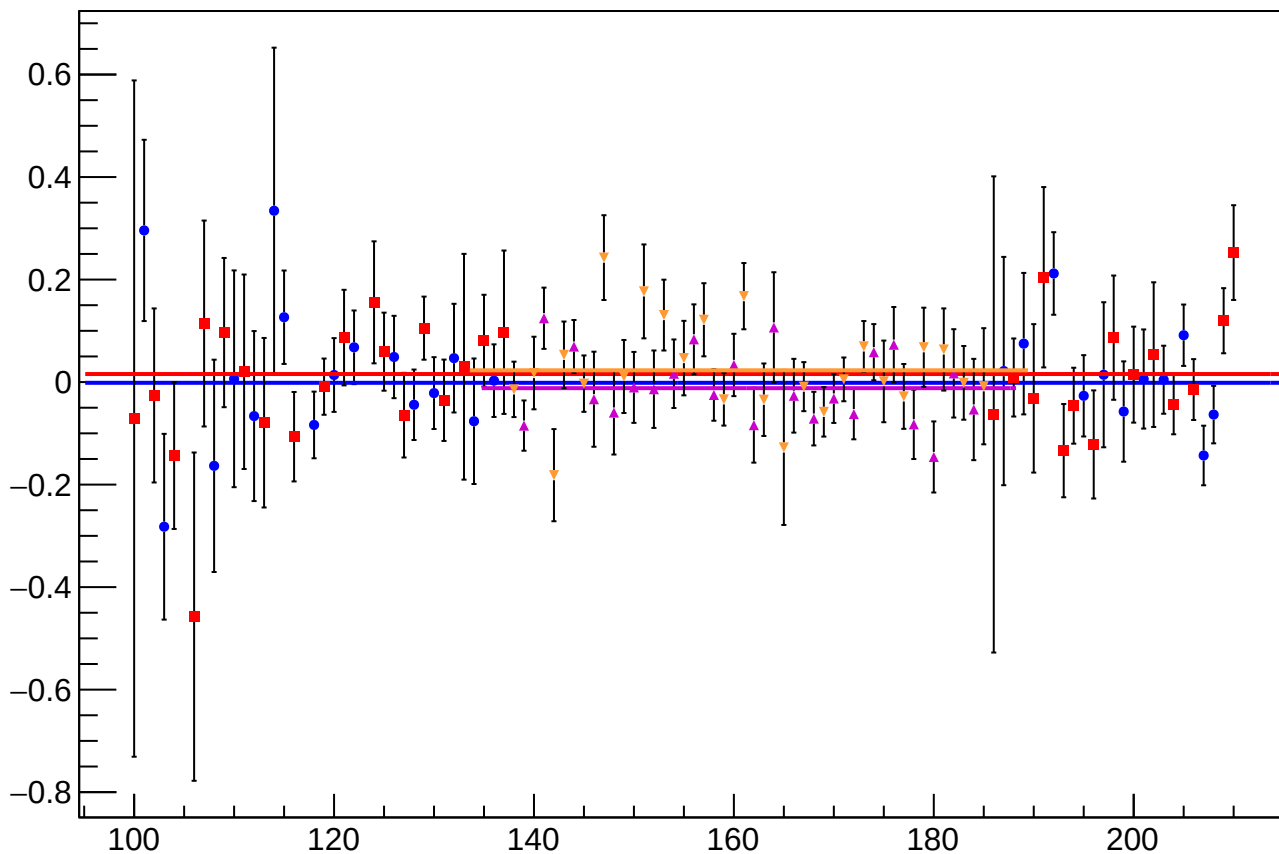
Left In: 54.688 ± 0.009 $\chi^2/\text{NDF}: 1190787.0/22$

+ sign 56.746 ± 0.007 $\chi^2/\text{NDF}: 5531030.9/51$

All: 57.461 ± 0.005 $\chi^2/\text{NDF}: 11467200.5/107$

- sign 58.195 ± 0.007 $\chi^2/\text{NDF}: 5916329.0/55$

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.017 χ^2/NDF : 30.5/26

Left Out: 0.023 ± 0.013 χ^2/NDF : 34.2/24

Right Out: 0.016 ± 0.017 χ^2/NDF : 30.5/32

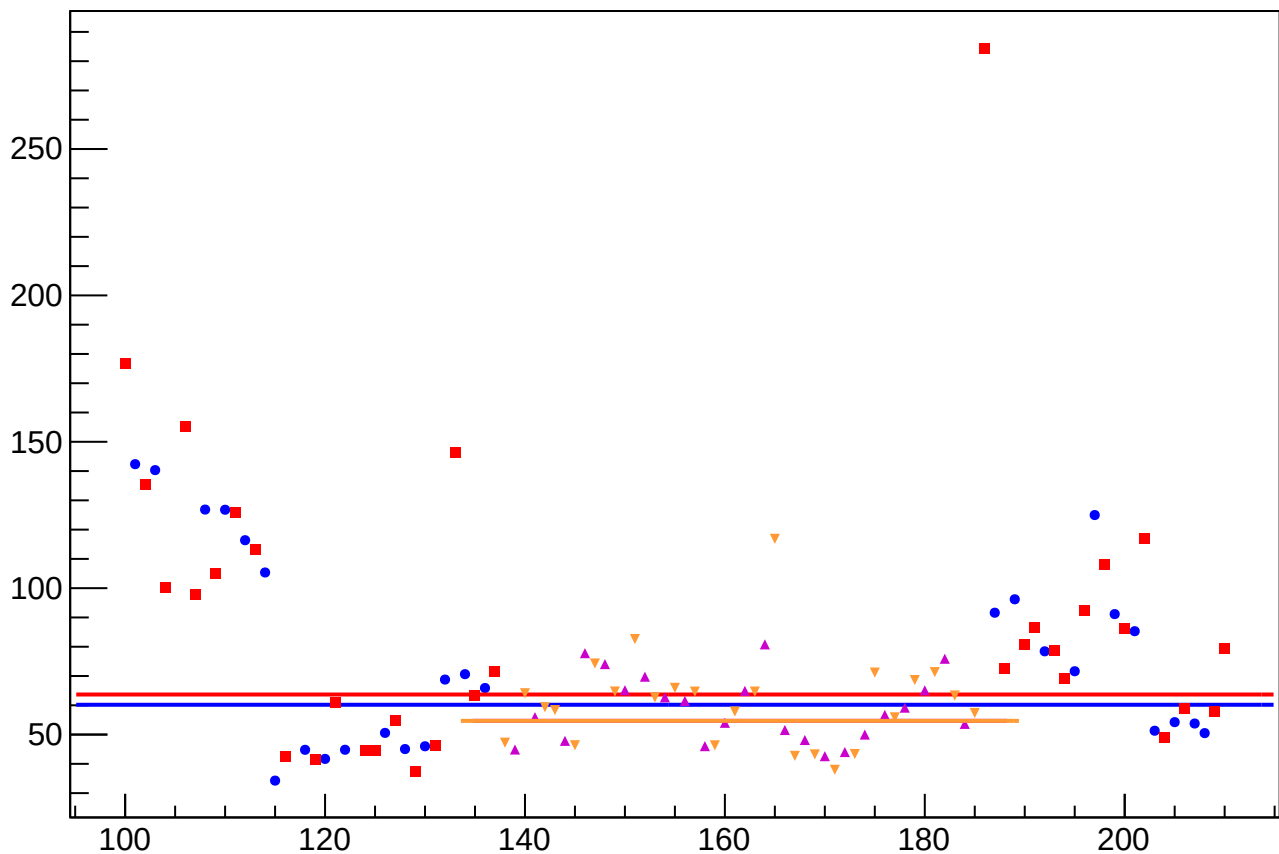
Left In: -0.012 ± 0.013 χ^2/NDF : 25.9/22

+ sign 0.014 ± 0.010 χ^2/NDF : 66.0/51

All: 0.006 ± 0.007 χ^2/NDF : 125.1/107

- sign -0.001 ± 0.010 χ^2/NDF : 58.0/55

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.178 $\pm$ 0.012 χ^2 /NDF: 3459112.5/26

Left Out: 54.686 $\pm$ 0.009 χ^2 /NDF:1936559.5/24

Right Out: 63.683 $\pm$ 0.012 χ^2 /NDF: 4366641.8/32

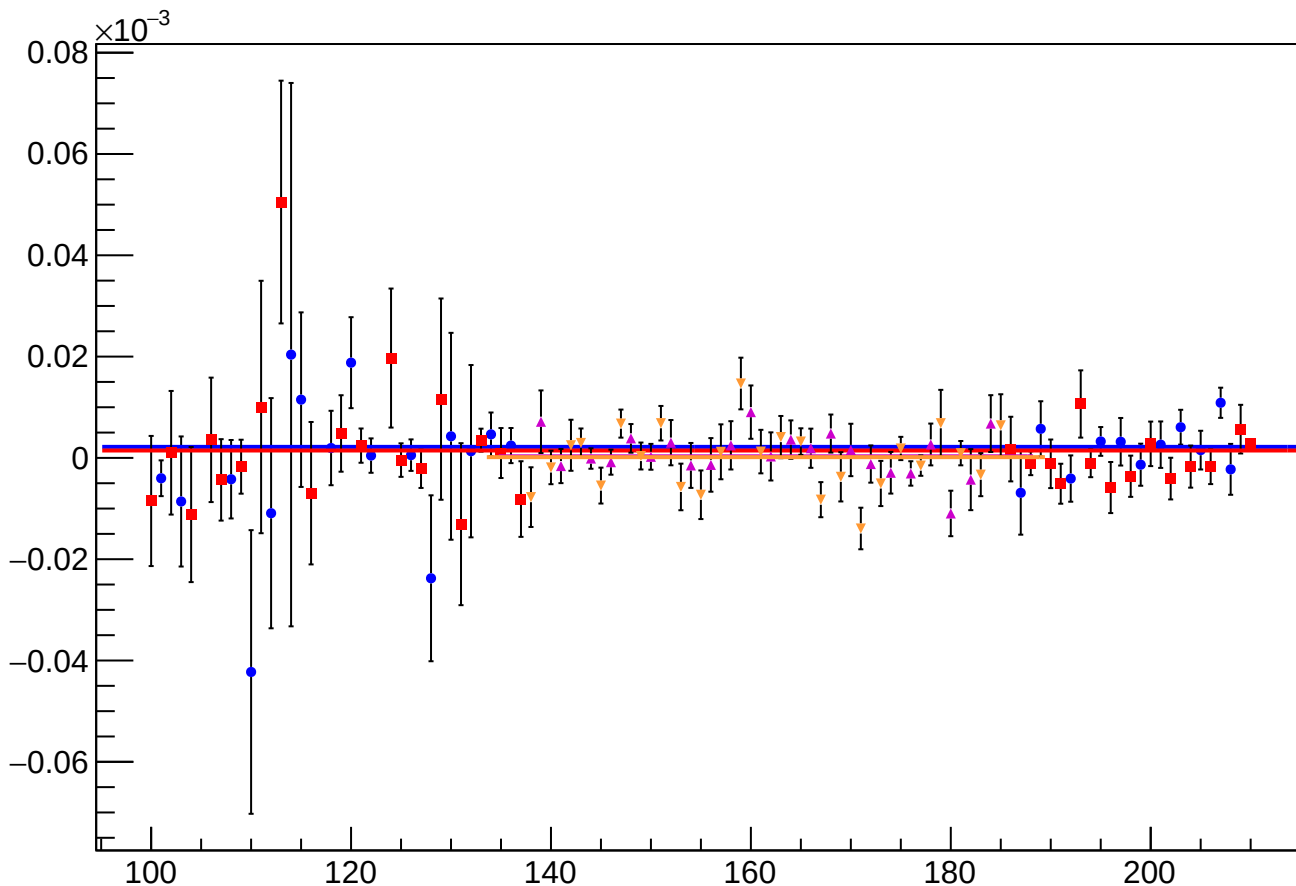
Left In: 54.688 $\pm$ 0.009 χ^2 /NDF:1190787.0/22

+ sign 56.746 $\pm$ 0.007 χ^2 /NDF: 5531030.9/51

All: 57.461 $\pm$ 0.005 χ^2 /NDF: 11467200.5/107

- sign 58.195 $\pm$ 0.007 χ^2 /NDF: 5916329.0/55

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:53.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.1/32

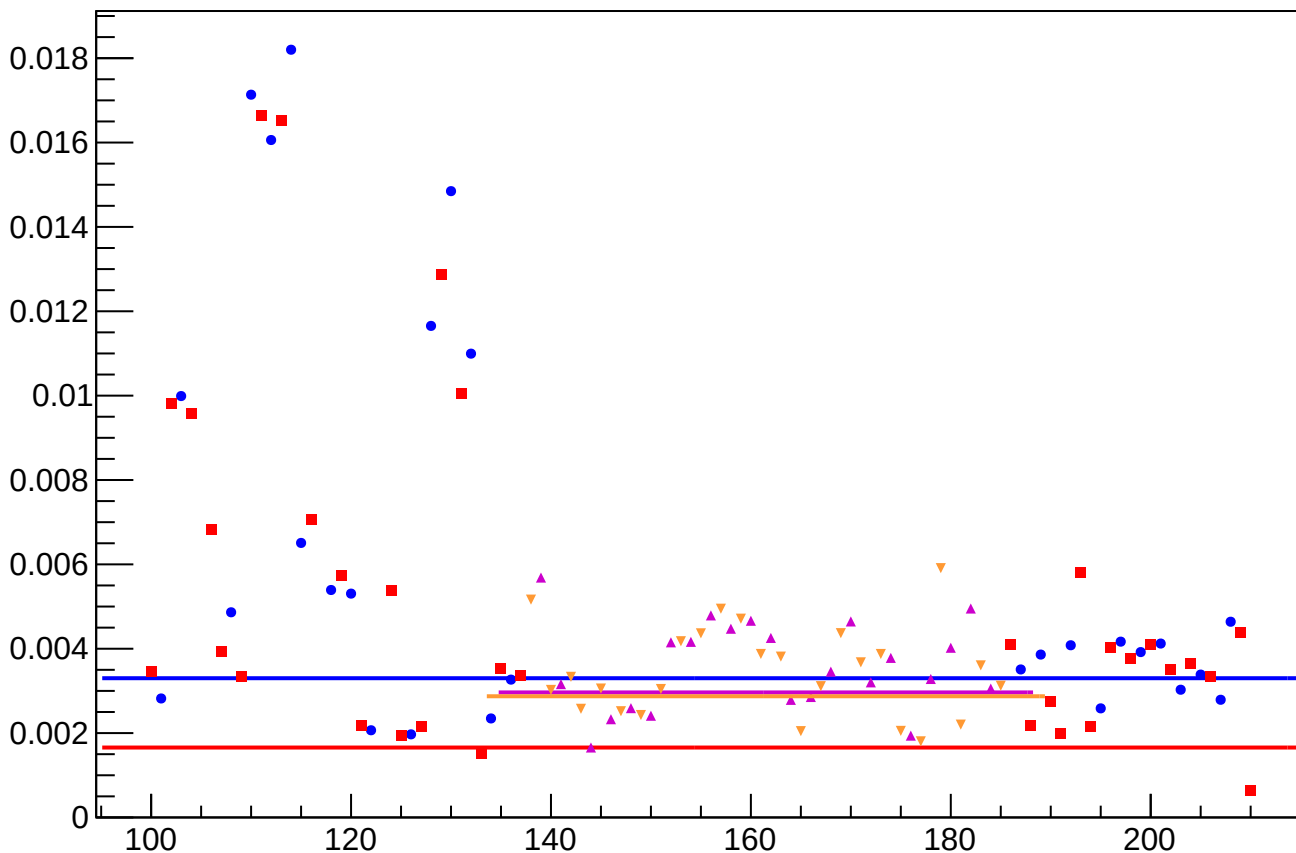
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:20.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 86.4/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 140.8/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 54.3/55

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 5161210.3/26

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:3602368.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 15289915.4/32

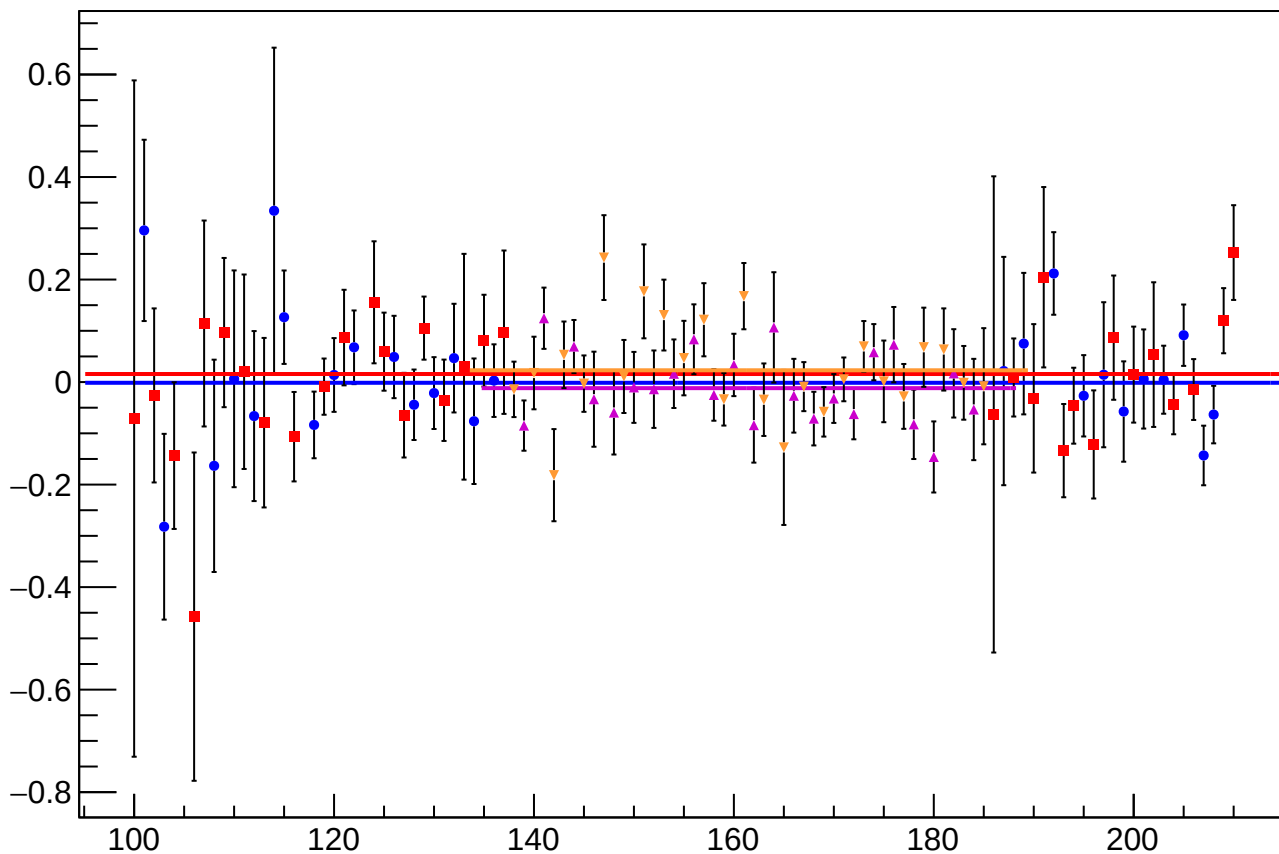
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:3619016.3/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 9036088.7/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 35208554.0/107

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 22869689.4/55

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.017 χ^2/NDF : 30.5/26

Left Out: 0.023 ± 0.013 χ^2/NDF : 34.2/24

Right Out: 0.016 ± 0.017 χ^2/NDF : 30.5/32

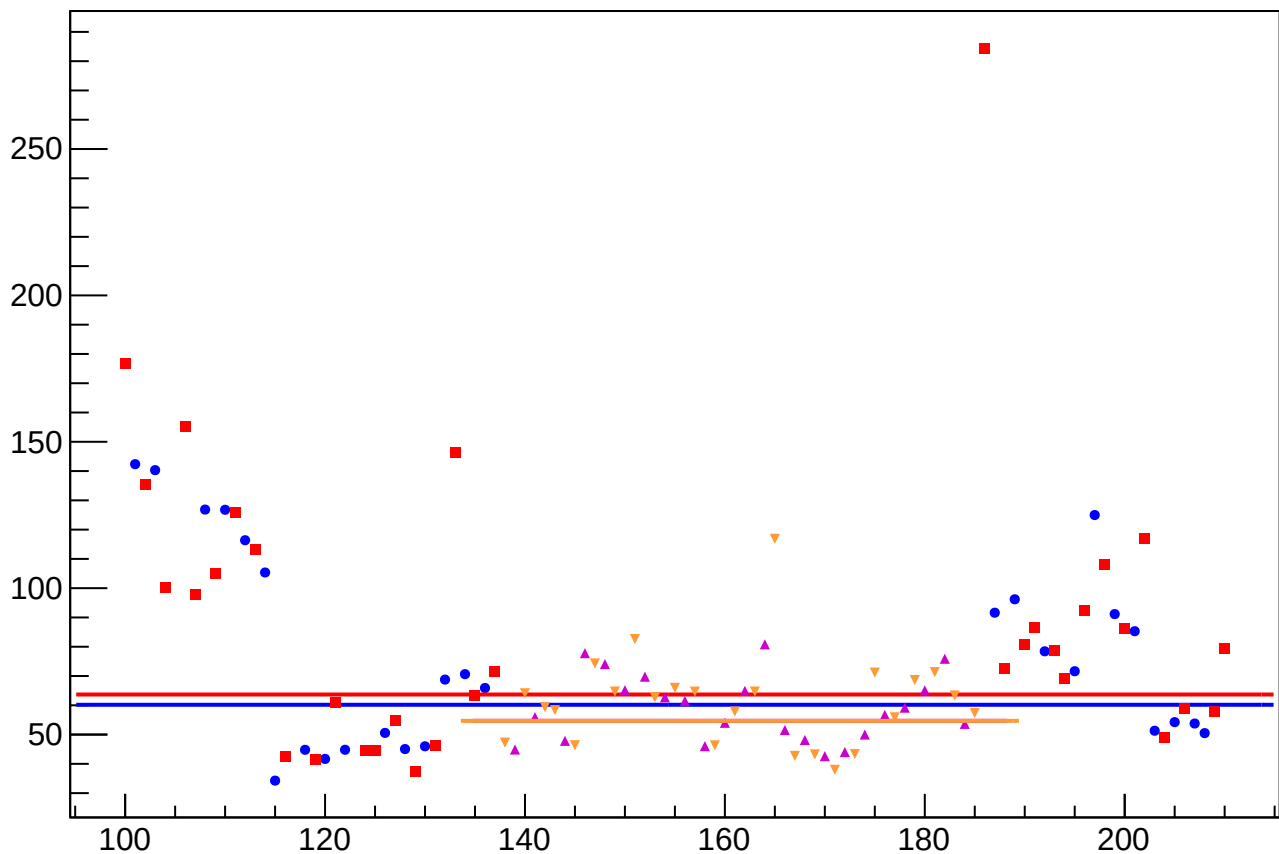
Left In: -0.012 ± 0.013 χ^2/NDF : 25.9/22

+ sign 0.014 ± 0.010 χ^2/NDF : 66.0/51

All: 0.006 ± 0.007 χ^2/NDF : 125.1/107

- sign -0.001 ± 0.010 χ^2/NDF : 58.0/55

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.178 $\pm$ 0.012 χ^2 /NDF: 3459086.6/26

Left Out: 54.686 $\pm$ 0.009 χ^2 /NDF:1936555.1/24

Right Out: 63.682 $\pm$ 0.012 χ^2 /NDF: 4366642.3/32

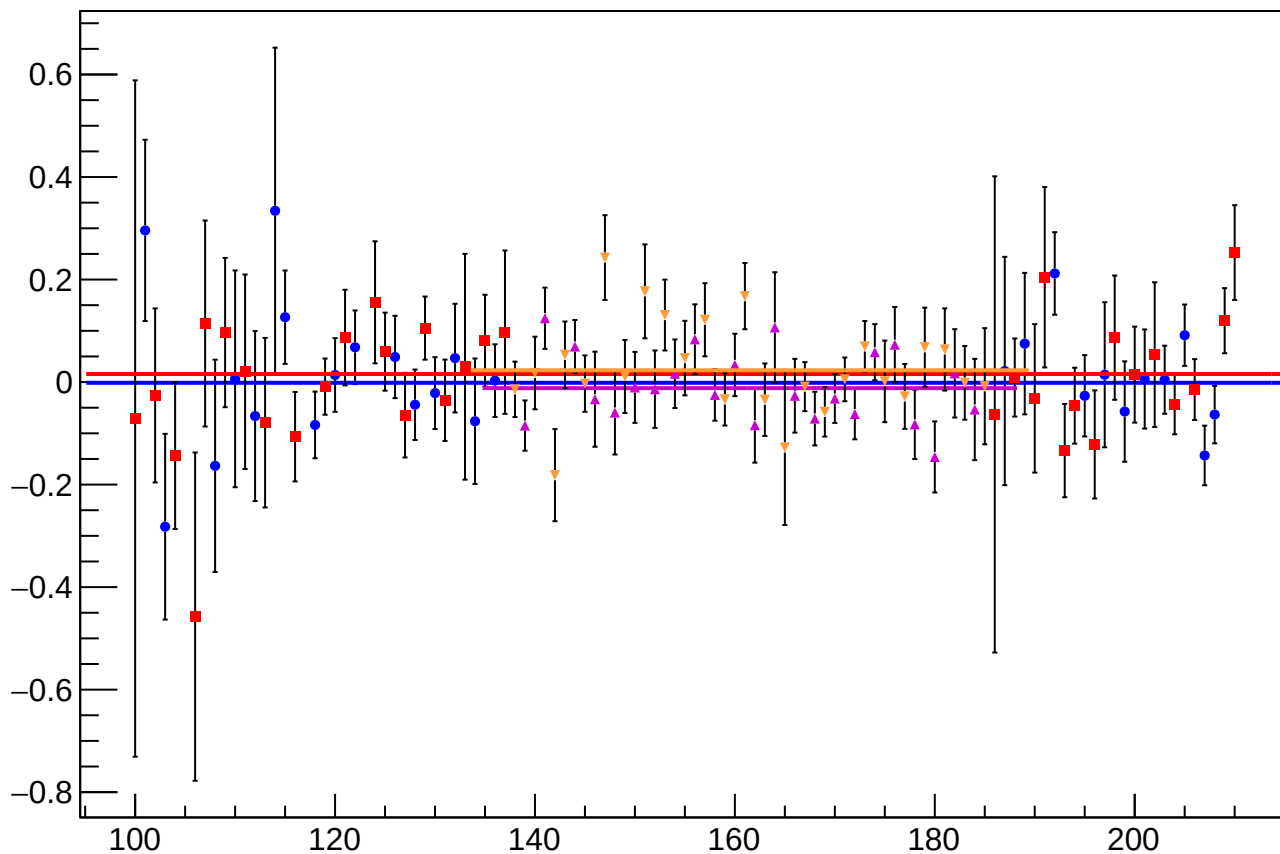
Left In: 54.689 $\pm$ 0.009 χ^2 /NDF:1190755.4/22

+ sign 56.746 $\pm$ 0.007 χ^2 /NDF: 5530969.5/51

All: 57.462 $\pm$ 0.005 χ^2 /NDF: 11467053.3/107

- sign 58.196 $\pm$ 0.007 χ^2 /NDF: 5916240.4/55

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.017 χ^2/NDF : 30.5/26

Left Out: 0.023 ± 0.013 χ^2/NDF : 34.2/24

Right Out: 0.016 ± 0.017 χ^2/NDF : 30.5/32

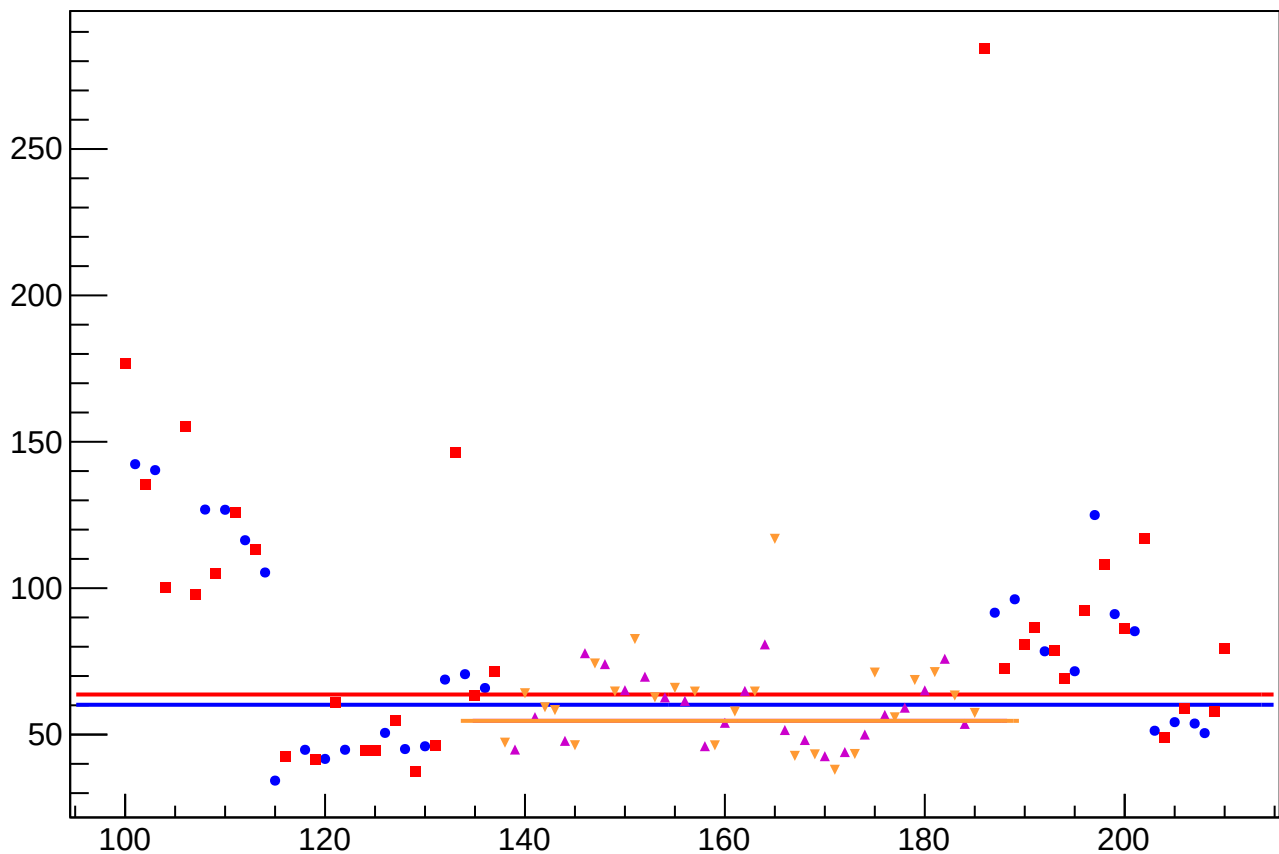
Left In: -0.012 ± 0.013 χ^2/NDF : 25.9/22

+ sign 0.014 ± 0.010 χ^2/NDF : 66.0/51

All: 0.006 ± 0.007 χ^2/NDF : 125.1/107

- sign -0.001 ± 0.010 χ^2/NDF : 58.0/55

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.178 $\pm$ 0.012 χ^2 /NDF: 3459086.6/26

Left Out: 54.686 $\pm$ 0.009 χ^2 /NDF:1936555.1/24

Right Out: 63.682 $\pm$ 0.012 χ^2 /NDF: 4366642.3/32

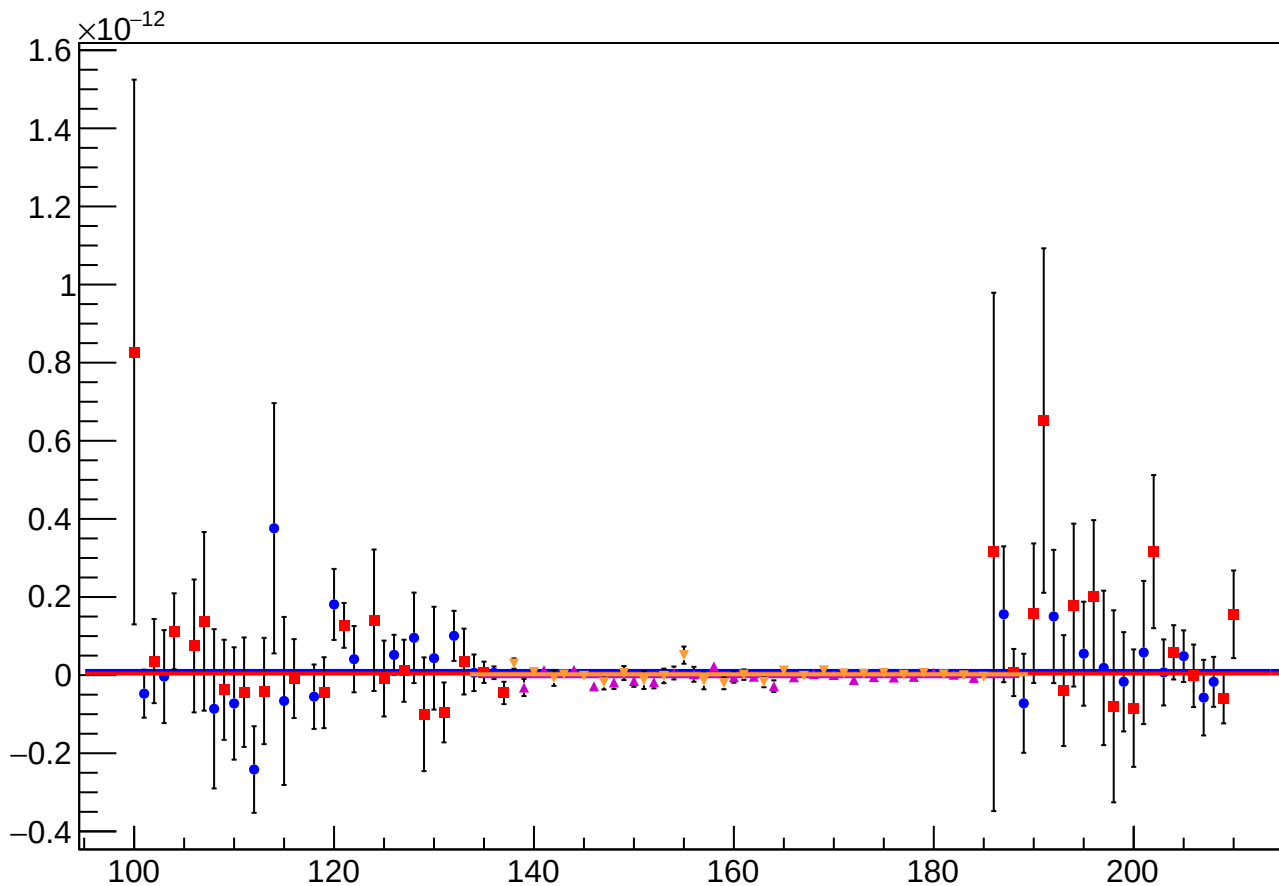
Left In: 54.689 $\pm$ 0.009 χ^2 /NDF:1190755.4/22

+ sign 56.746 $\pm$ 0.007 χ^2 /NDF: 5530969.5/51

All: 57.462 $\pm$ 0.005 χ^2 /NDF: 11467053.3/107

- sign 58.196 $\pm$ 0.007 χ^2 /NDF: 5916240.4/55

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:20.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.8/32

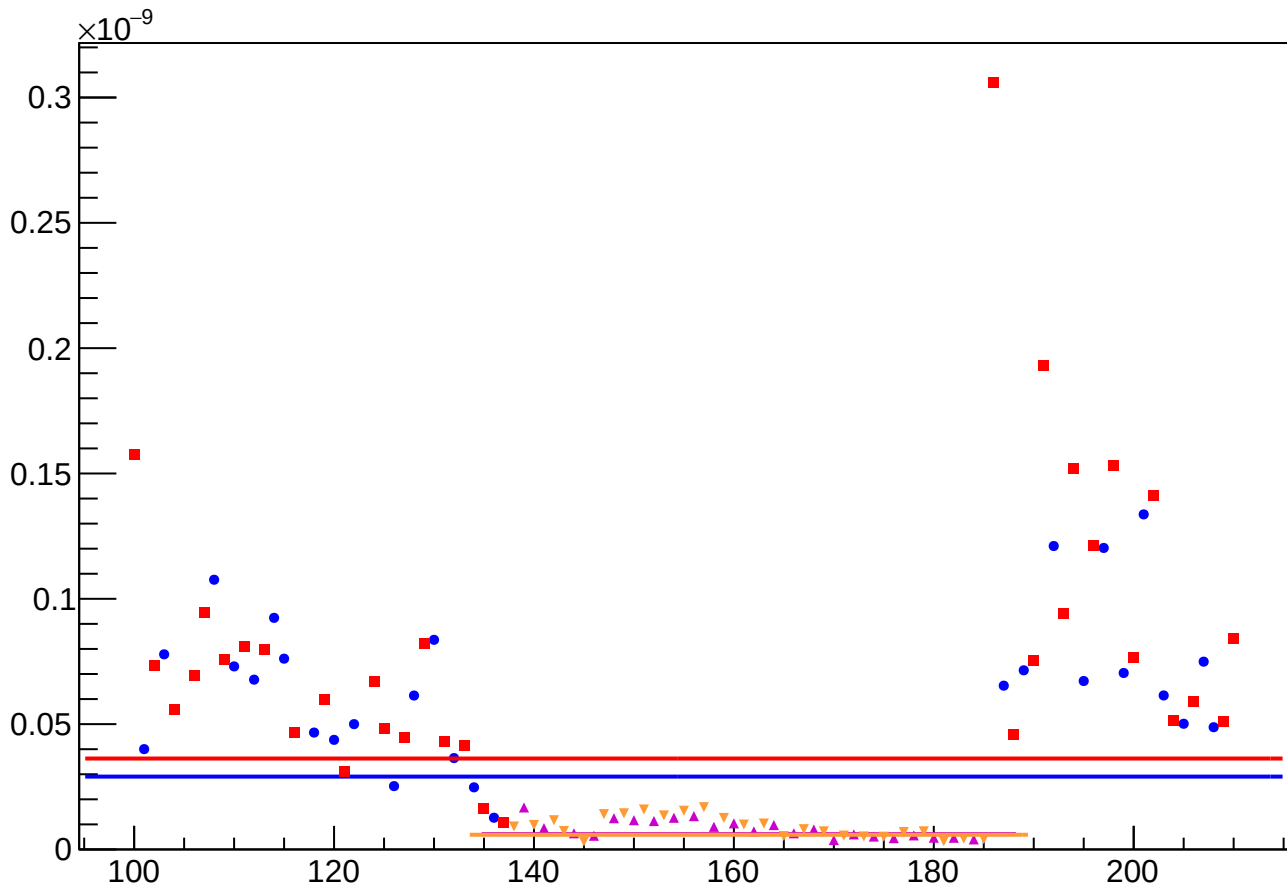
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:33.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 39.9/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 102.7/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 59.1/55

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7655190.0/26

Left Out: 0.000+/-0.000 χ^2/NDF : 5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8310808.5/32

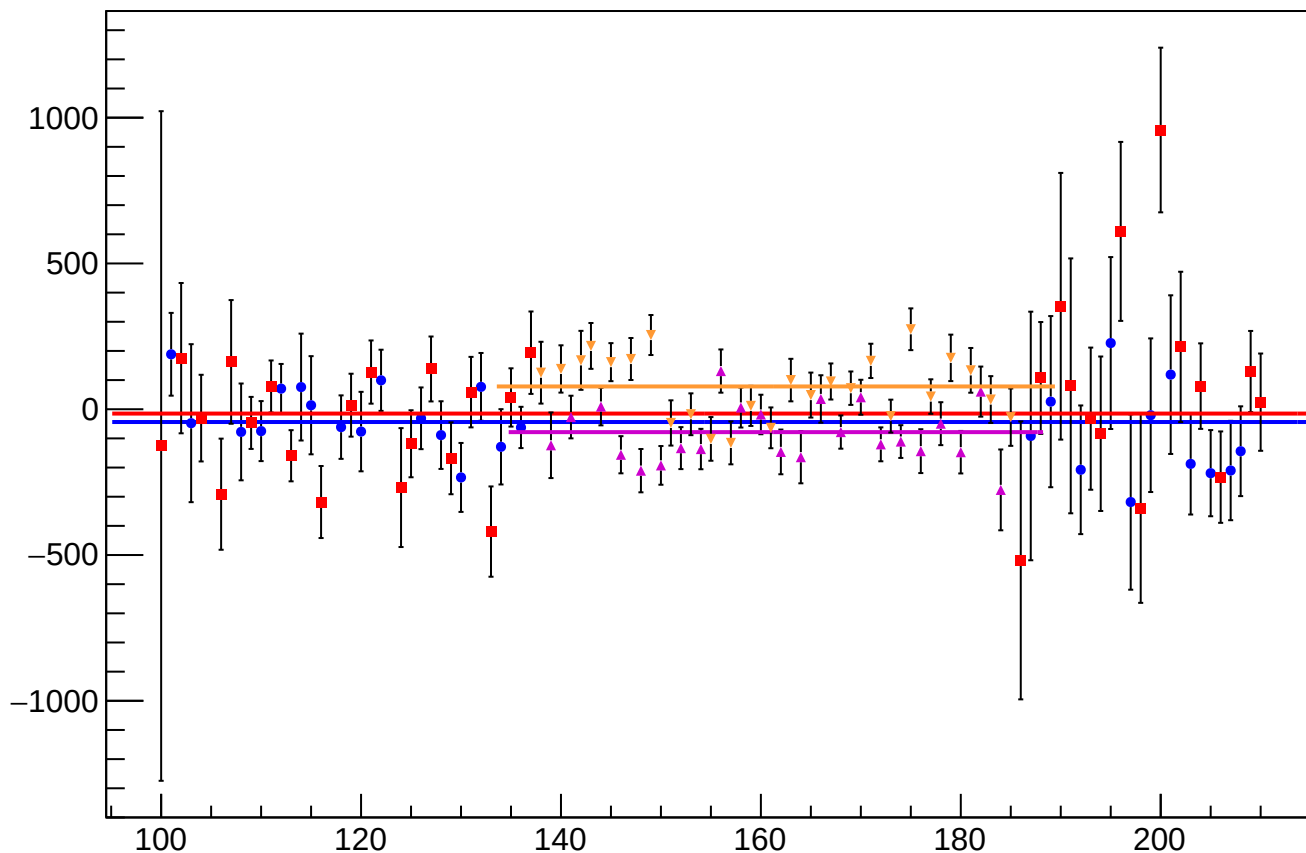
Left In: 0.000+/-0.000 χ^2/NDF : 3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 20535030.0/51

All: 0.000+/-0.000 χ^2/NDF : 41711834.9/107

- sign 0.000+/-0.000 χ^2/NDF : 21150225.4/55

reg_asym_sam_37_avg_mean vs Slug



Right In: -43.822 ± 26.352 $\chi^2/\text{NDF}: 17.6/26$

Left Out: 78.159 ± 14.326 $\chi^2/\text{NDF}: 53.9/24$

Right Out: -14.853 ± 25.564 $\chi^2/\text{NDF}: 54.2/32$

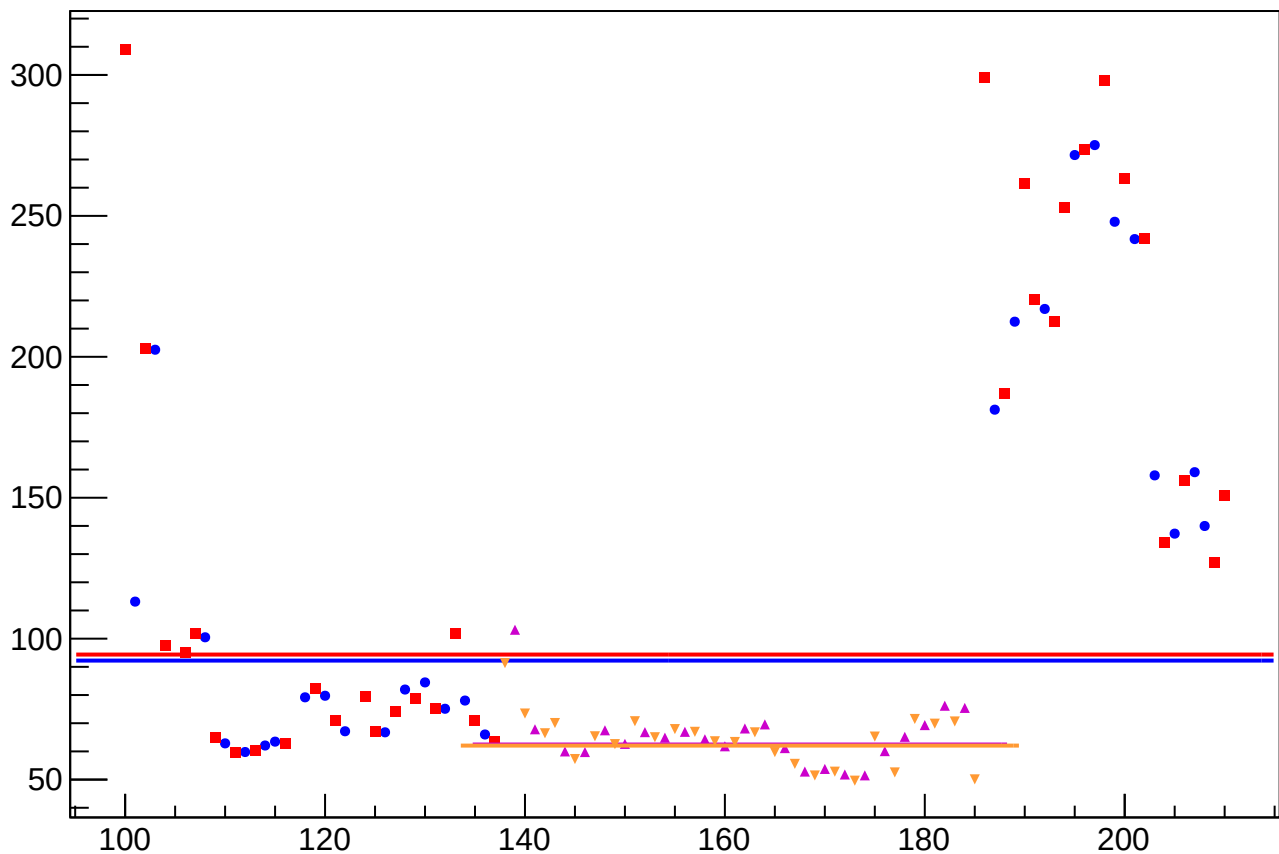
Left In: -78.506 ± 14.811 $\chi^2/\text{NDF}: 36.7/22$

+ sign 50.334 ± 12.586 $\chi^2/\text{NDF}: 88.0/51$

All: -5.068 ± 8.980 $\chi^2/\text{NDF}: 223.0/107$

- sign -62.509 ± 12.816 $\chi^2/\text{NDF}: 95.5/55$

reg_asym_sam_37_avg_rms vs Slug



Right In: 92.222 $\pm$ 0.019 χ^2 /NDF: 6407824.3/26

Left Out: 62.063 $\pm$ 0.010 χ^2 /NDF: 686530.2/24

Right Out: 94.360 $\pm$ 0.018 χ^2 /NDF: 8068300.3/32

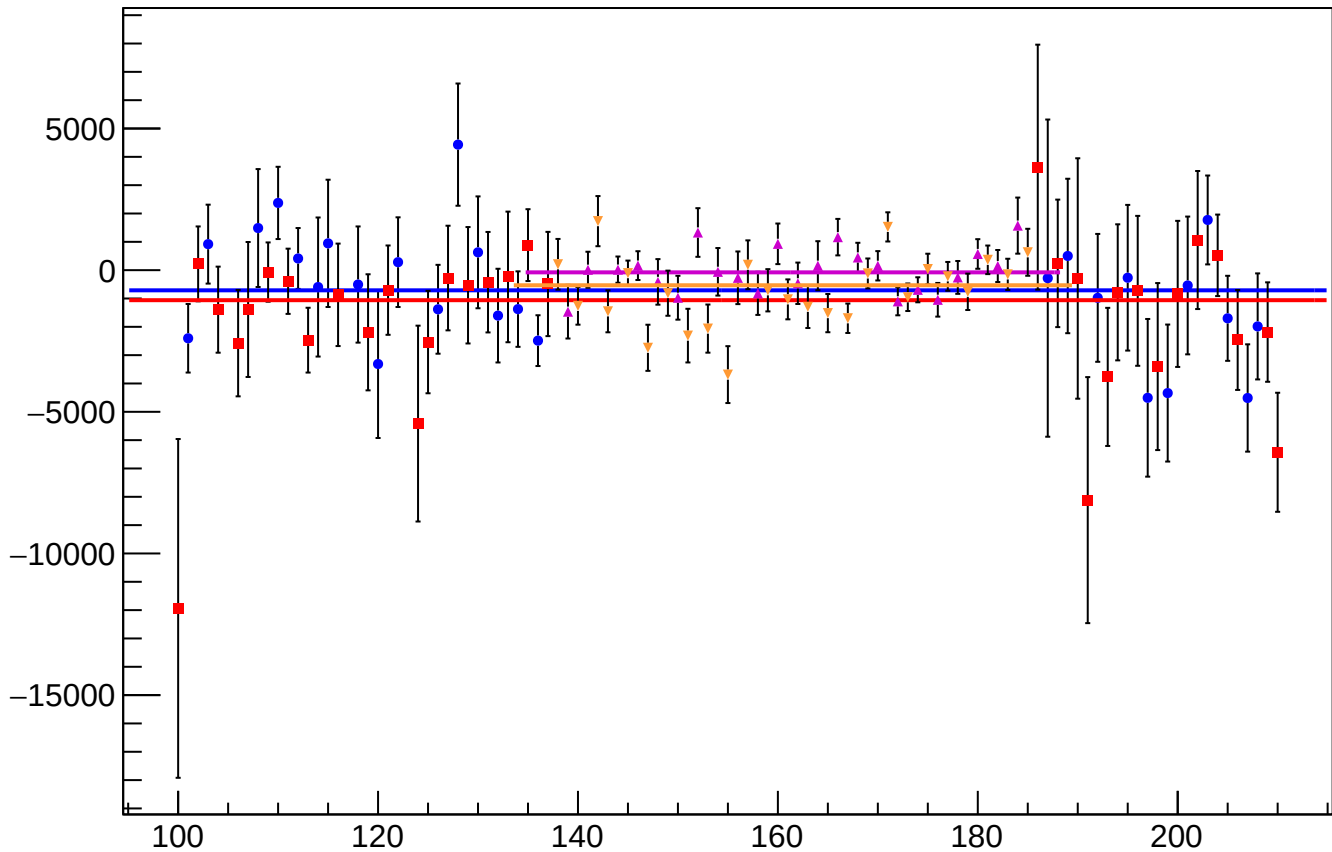
Left In: 62.445 $\pm$ 0.010 χ^2 /NDF: 664644.9/22

+ sign 68.942 $\pm$ 0.009 χ^2 /NDF: 9116428.5/51

All: 69.690 $\pm$ 0.006 χ^2 /NDF: 20197518.9/107

- sign 70.466 $\pm$ 0.009 χ^2 /NDF: 11066697.5/55

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -711.518 $\pm$ 324.306 χ^2 /NDF: 35.9/26

Left Out: -532.779 $\pm$ 127.927 χ^2 /NDF:69.1/24

Right Out: -1059.733 $\pm$ 318.605 χ^2 /NDF: 28.9/32

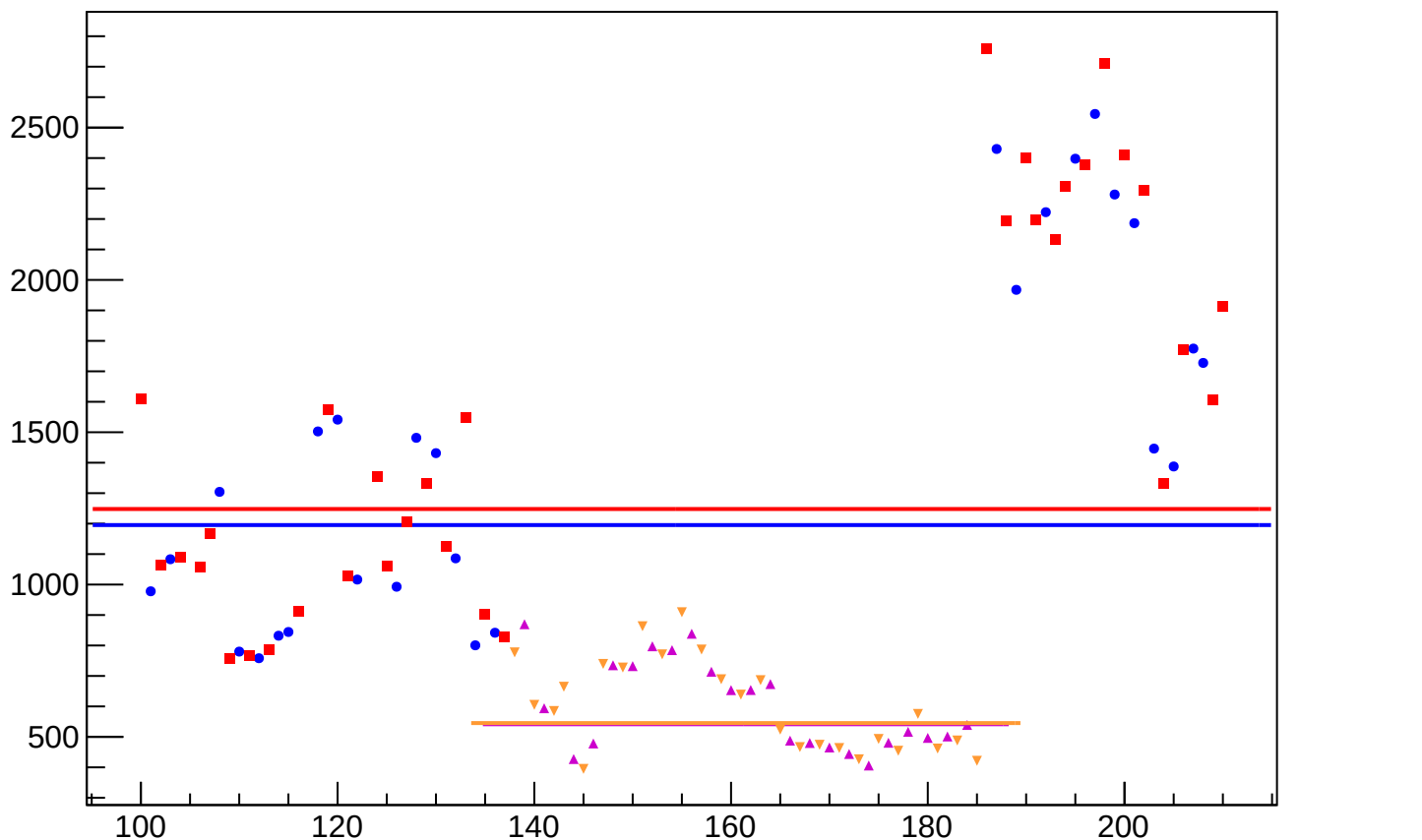
Left In: -77.393 $\pm$ 130.317 χ^2 /NDF:28.4/22

+ sign -556.846 $\pm$ 119.003 χ^2 /NDF: 105.3/51

All: -389.797 $\pm$ 84.713 χ^2 /NDF: 174.7/107

- sign -218.185 $\pm$ 120.618 χ^2 /NDF: 65.4/55

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1195.316 $\pm$ 0.229 χ^2 /NDF: 4164635.5/26

Left Out: 545.304 $\pm$ 0.090 χ^2 /NDF: 2083690.3/24

Right Out: 1248.028 $\pm$ 0.225 χ^2 /NDF: 5276854.3/32

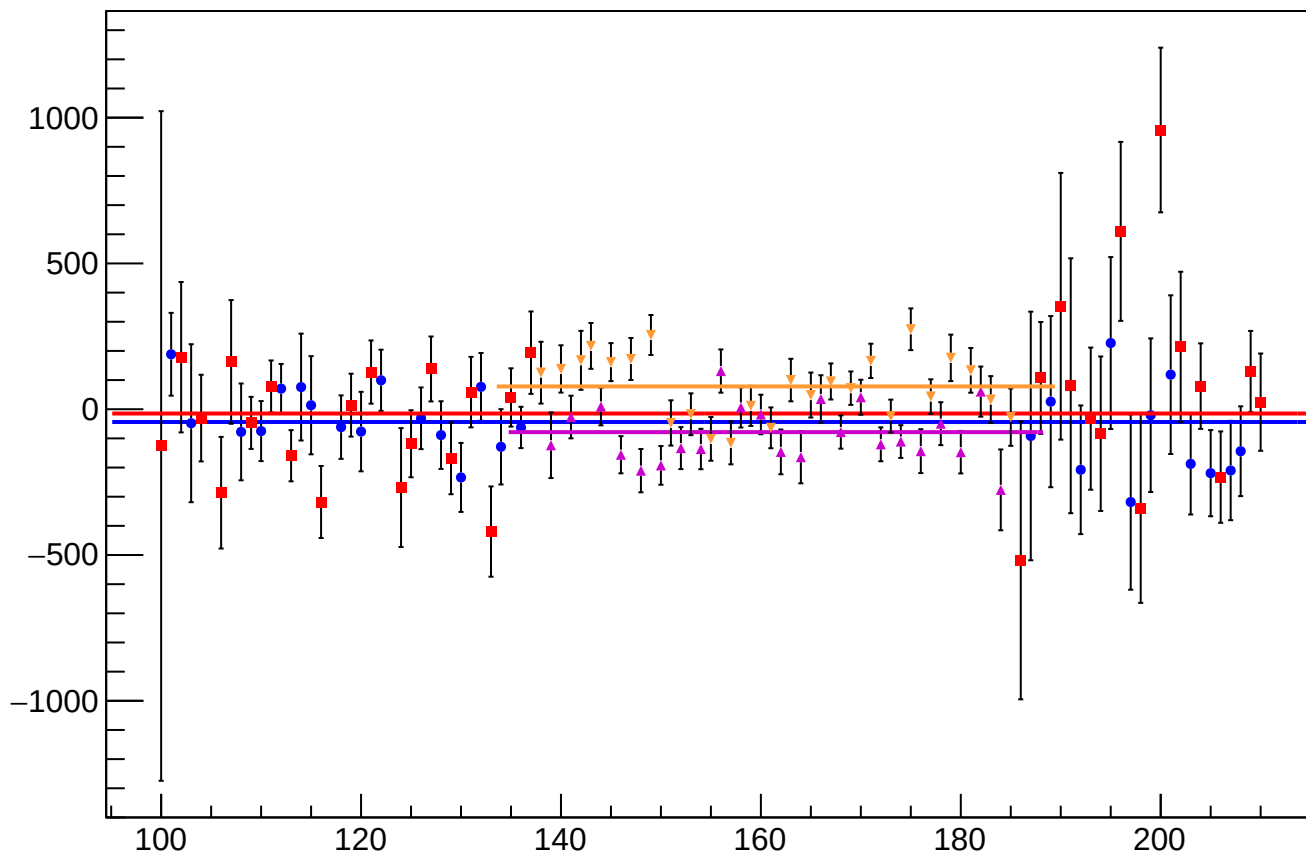
Left In: 541.458 $\pm$ 0.092 χ^2 /NDF: 1840342.7/22

+ sign 632.828 $\pm$ 0.084 χ^2 /NDF: 13201064.4/51

All: 637.710 $\pm$ 0.060 χ^2 /NDF: 28751680.6/10

- sign 642.725 $\pm$ 0.085 χ^2 /NDF: 15543792.1/55

cor_asym_sam_37_avg_mean vs Slug



Right In: -43.831 ± 26.352 $\chi^2/\text{NDF}: 17.6/26$

Left Out: 78.162 ± 14.326 $\chi^2/\text{NDF}: 53.9/24$

Right Out: -14.689 ± 25.566 $\chi^2/\text{NDF}: 54.1/32$

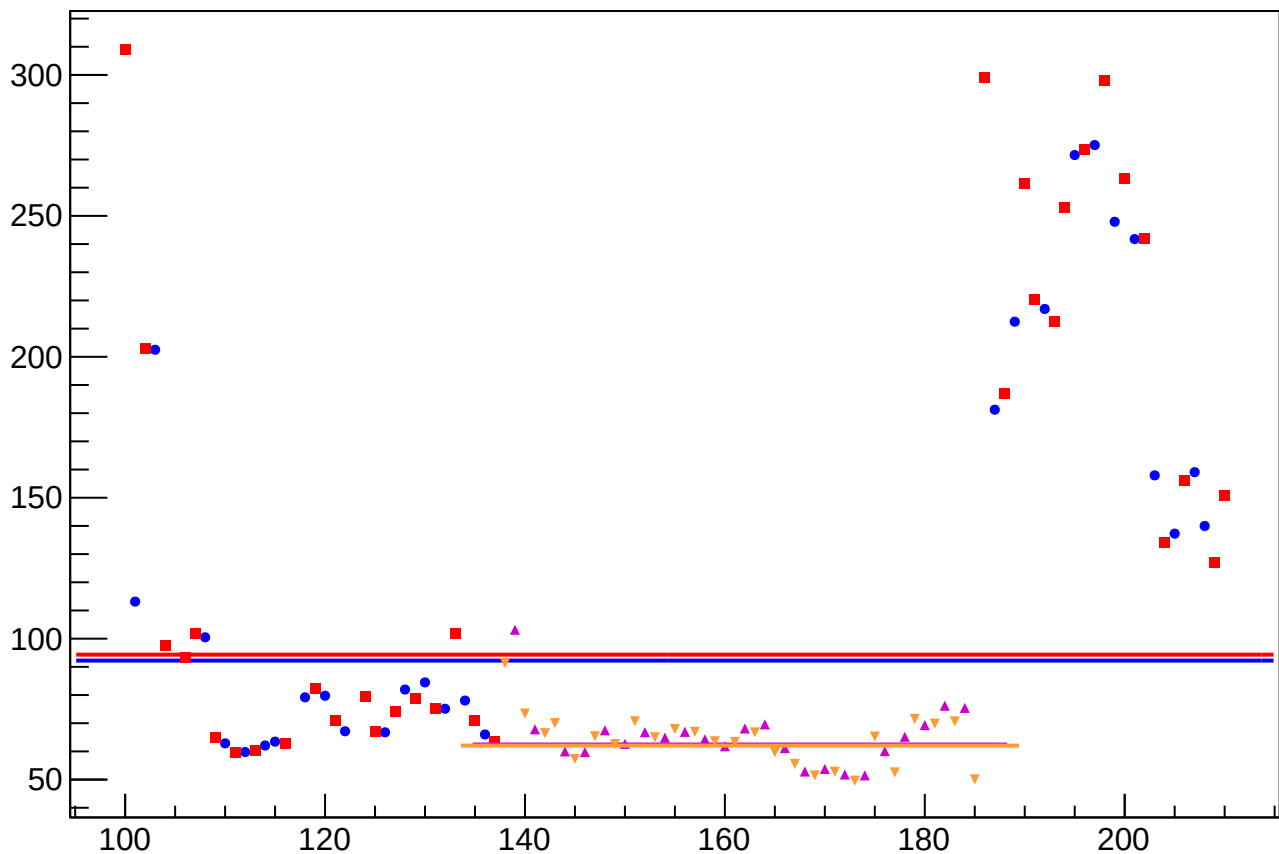
Left In: -78.506 ± 14.811 $\chi^2/\text{NDF}: 36.7/22$

+ sign 50.335 ± 12.586 $\chi^2/\text{NDF}: 88.0/51$

All: -5.047 ± 8.980 $\chi^2/\text{NDF}: 222.9/107$

- sign -62.470 ± 12.816 $\chi^2/\text{NDF}: 95.4/55$

cor_asym_sam_37_avg_rms vs Slug



Right In: 92.222 $\pm$ 0.019 χ^2 /NDF: 6407826.7/26

Left Out: 62.063 $\pm$ 0.010 χ^2 /NDF: 686530.2/24

Right Out: 94.329 $\pm$ 0.018 χ^2 /NDF: 8068554.5/32

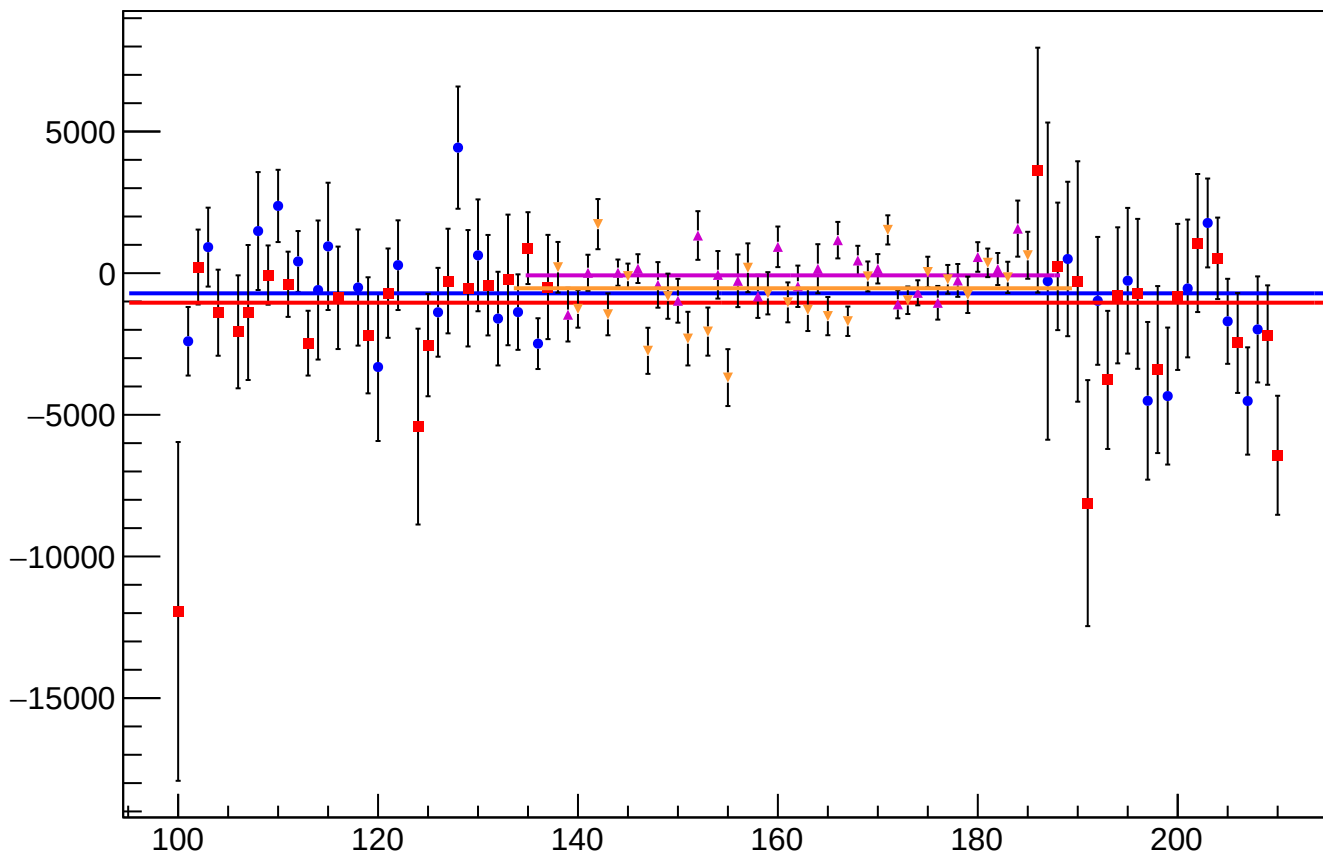
Left In: 62.445 $\pm$ 0.010 χ^2 /NDF: 664644.9/22

+ sign 68.942 $\pm$ 0.009 χ^2 /NDF: 9116430.4/51

All: 69.686 $\pm$ 0.006 χ^2 /NDF: 20192878.2/107

- sign 70.457 $\pm$ 0.009 χ^2 /NDF: 11062217.7/55

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -711.511 $\pm$ 324.308 χ^2 /NDF: 35.9/26

Left Out: -532.776 $\pm$ 127.927 χ^2 /NDF:69.1/24

Right Out: -1042.362 $\pm$ 319.140 χ^2 /NDF: 28.5/32

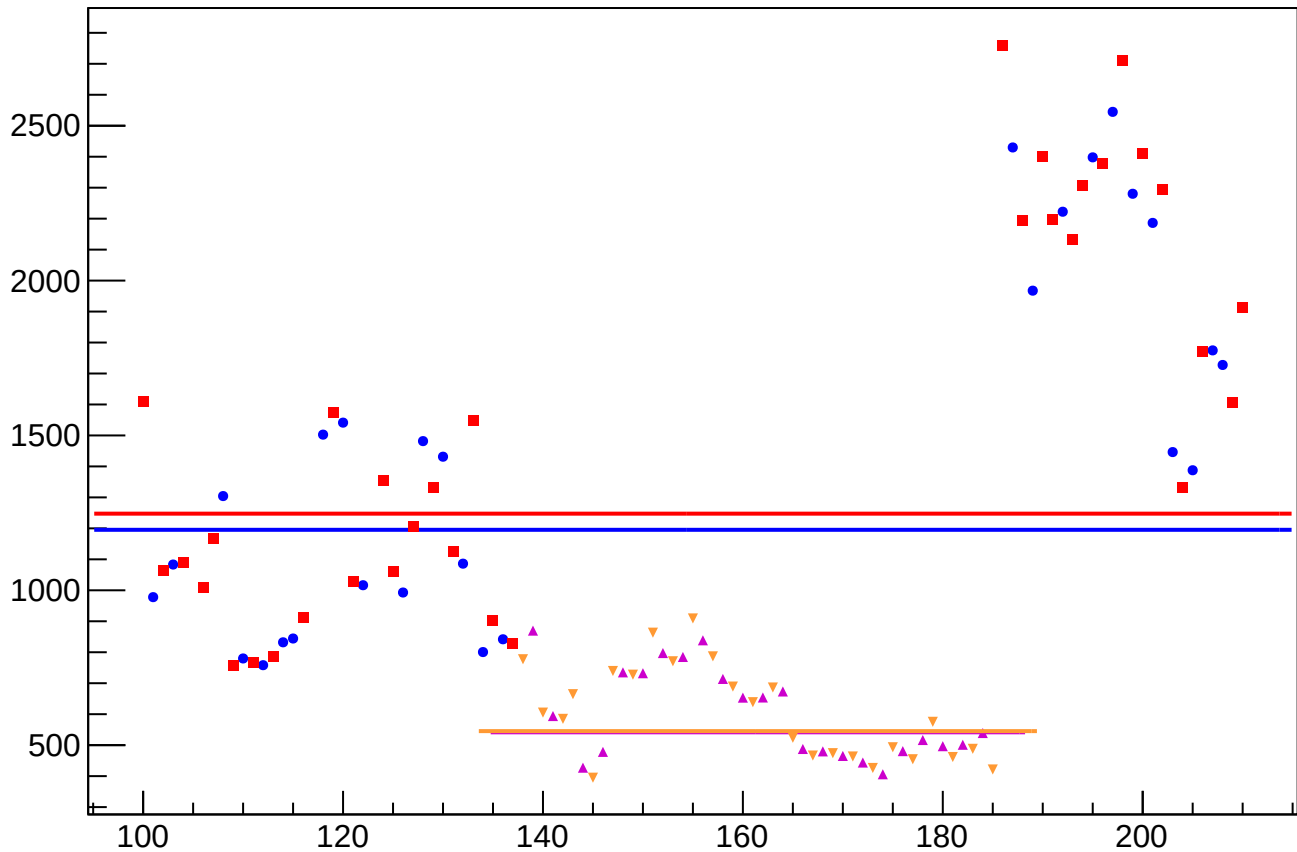
Left In: -77.392 $\pm$ 130.317 χ^2 /NDF:28.4/22

+ sign -556.842 $\pm$ 119.003 χ^2 /NDF: 105.3/51

All: -388.413 $\pm$ 84.723 χ^2 /NDF: 174.1/107

- sign -215.298 $\pm$ 120.647 χ^2 /NDF: 64.7/55

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1195.323+/-0.229 χ^2/NDF : 4164612.3/26

Left Out: 545.304+/-0.090 χ^2/NDF : 2083686.2/24

Right Out: 1247.480+/-0.226 χ^2/NDF : 5284530.9/32

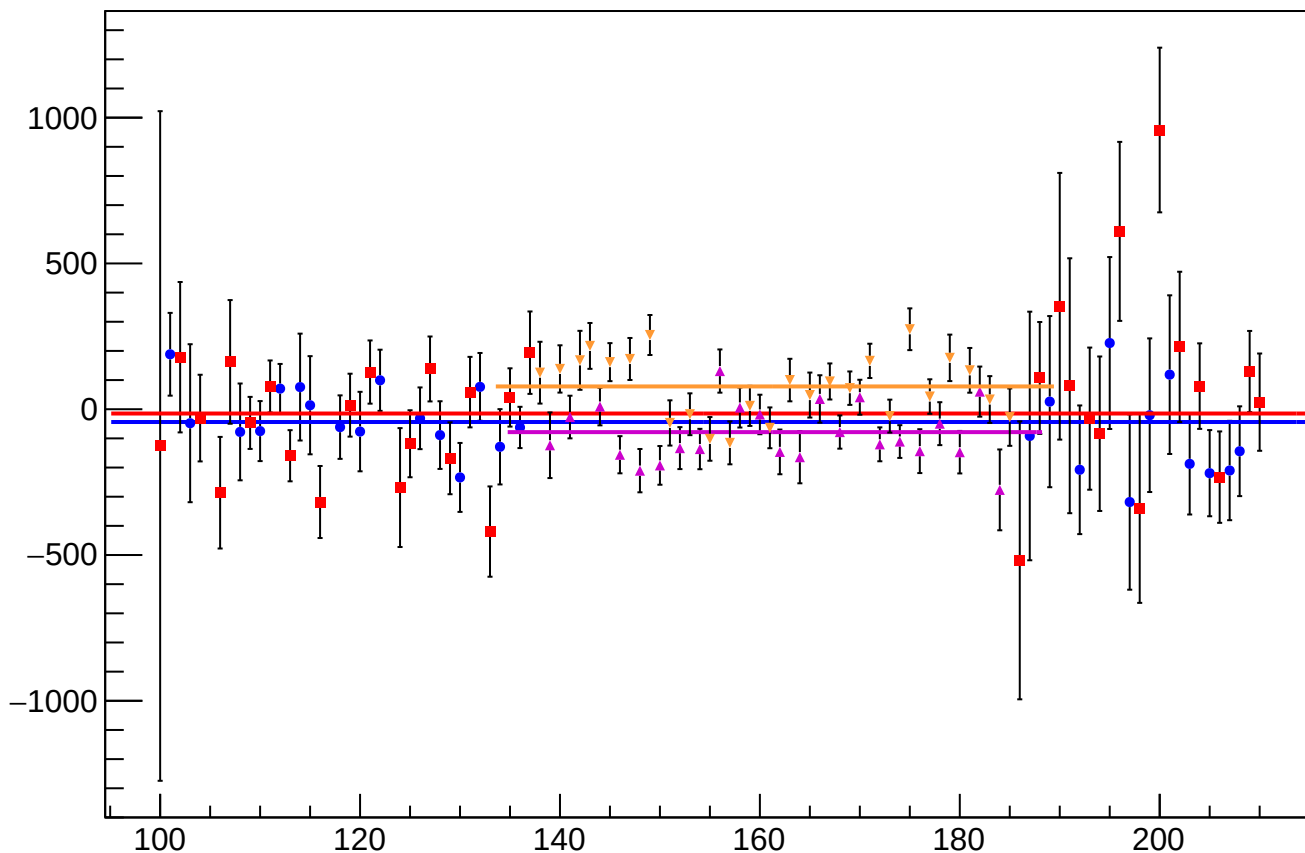
Left In: 541.458+/-0.092 χ^2/NDF : 1840342.7/22

+ sign 632.828+/-0.084 χ^2/NDF : 13201119.5/51

All: 637.527+/-0.060 χ^2/NDF : 28721692.4/10

- sign 642.357+/-0.085 χ^2/NDF : 15514249.6/55

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -43.831 ± 26.352 χ^2/NDF : 17.6/26

Left Out: 78.162 ± 14.326 χ^2/NDF : 53.9/24

Right Out: -14.689 ± 25.566 χ^2/NDF : 54.1/32

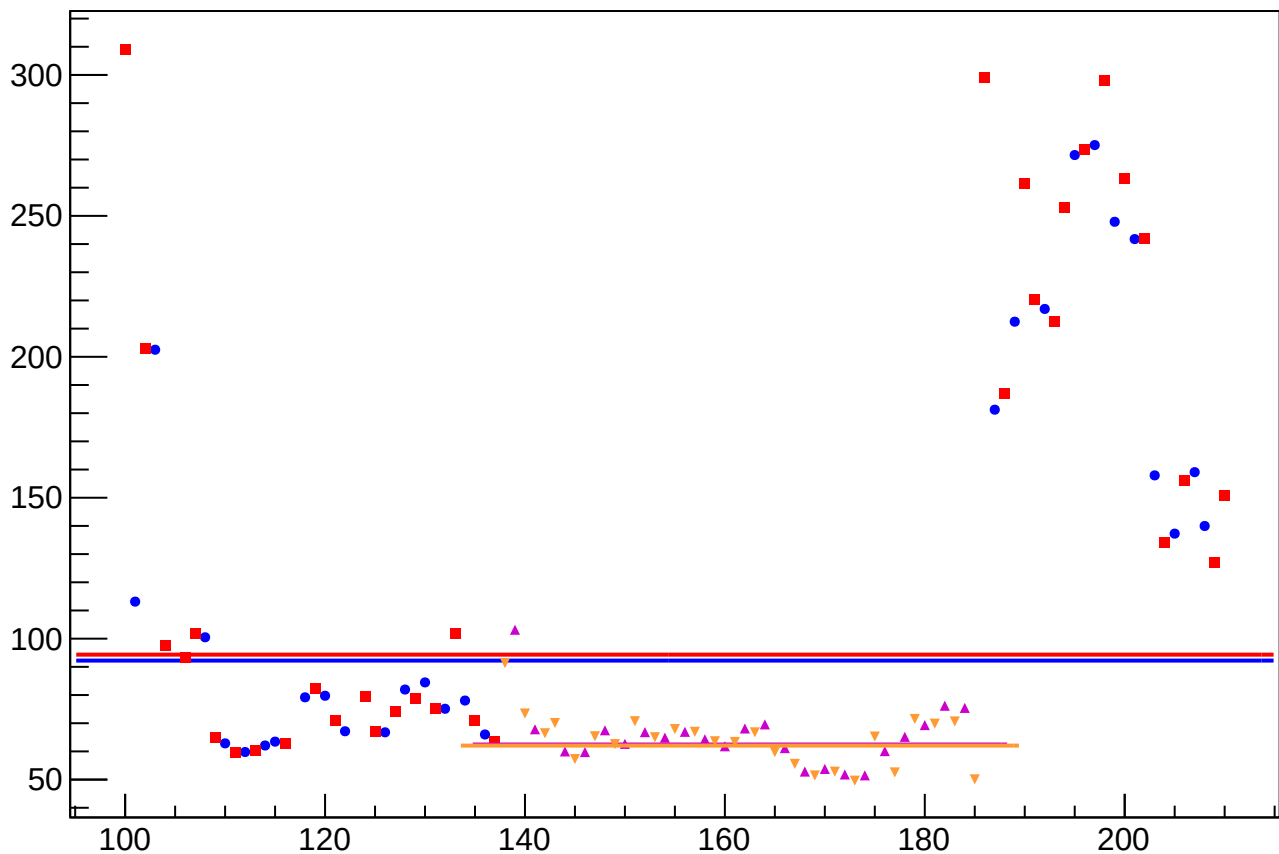
Left In: -78.506 ± 14.811 χ^2/NDF : 36.7/22

+ sign 50.335 ± 12.586 χ^2/NDF : 88.0/51

All: -5.047 ± 8.980 χ^2/NDF : 222.9/107

- sign -62.470 ± 12.816 χ^2/NDF : 95.4/55

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 92.222 $\pm$ 0.019 χ^2 /NDF: 6407826.7/26

Left Out: 62.063 $\pm$ 0.010 χ^2 /NDF: 686530.2/24

Right Out: 94.329 $\pm$ 0.018 χ^2 /NDF: 8068554.5/32

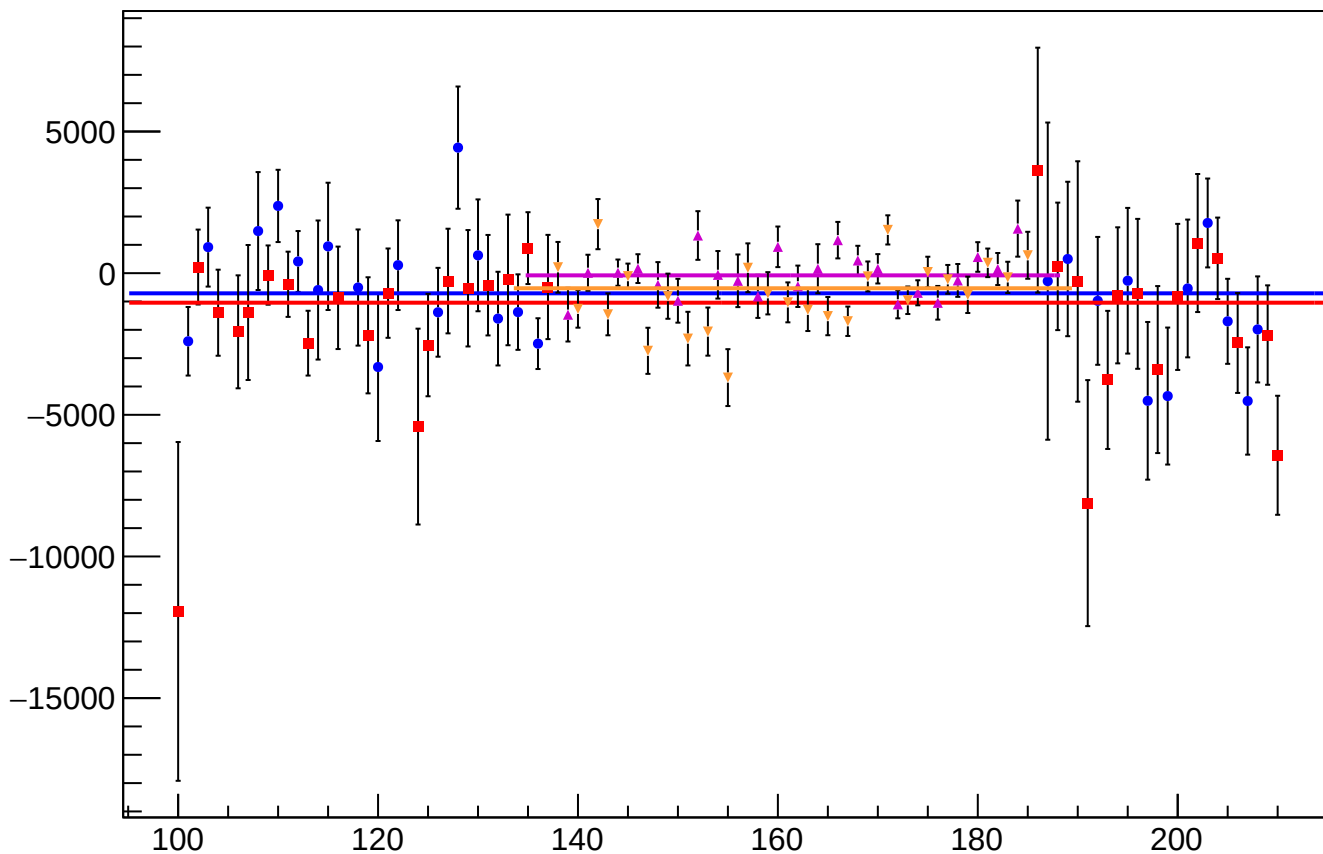
Left In: 62.445 $\pm$ 0.010 χ^2 /NDF: 664644.9/22

+ sign 68.942 $\pm$ 0.009 χ^2 /NDF: 9116430.4/51

All: 69.686 $\pm$ 0.006 χ^2 /NDF: 20192878.2/107

- sign 70.457 $\pm$ 0.009 χ^2 /NDF: 11062217.7/55

asym_sam_37_avg_eigen_cor_correction_mean vs Slug



Right In: -711.511 ± 324.308 χ^2/NDF : 35.9/26

Left Out: -532.776 ± 127.927 χ^2/NDF : 69.1/24

Right Out: -1042.362 ± 319.140 χ^2/NDF : 28.5/32

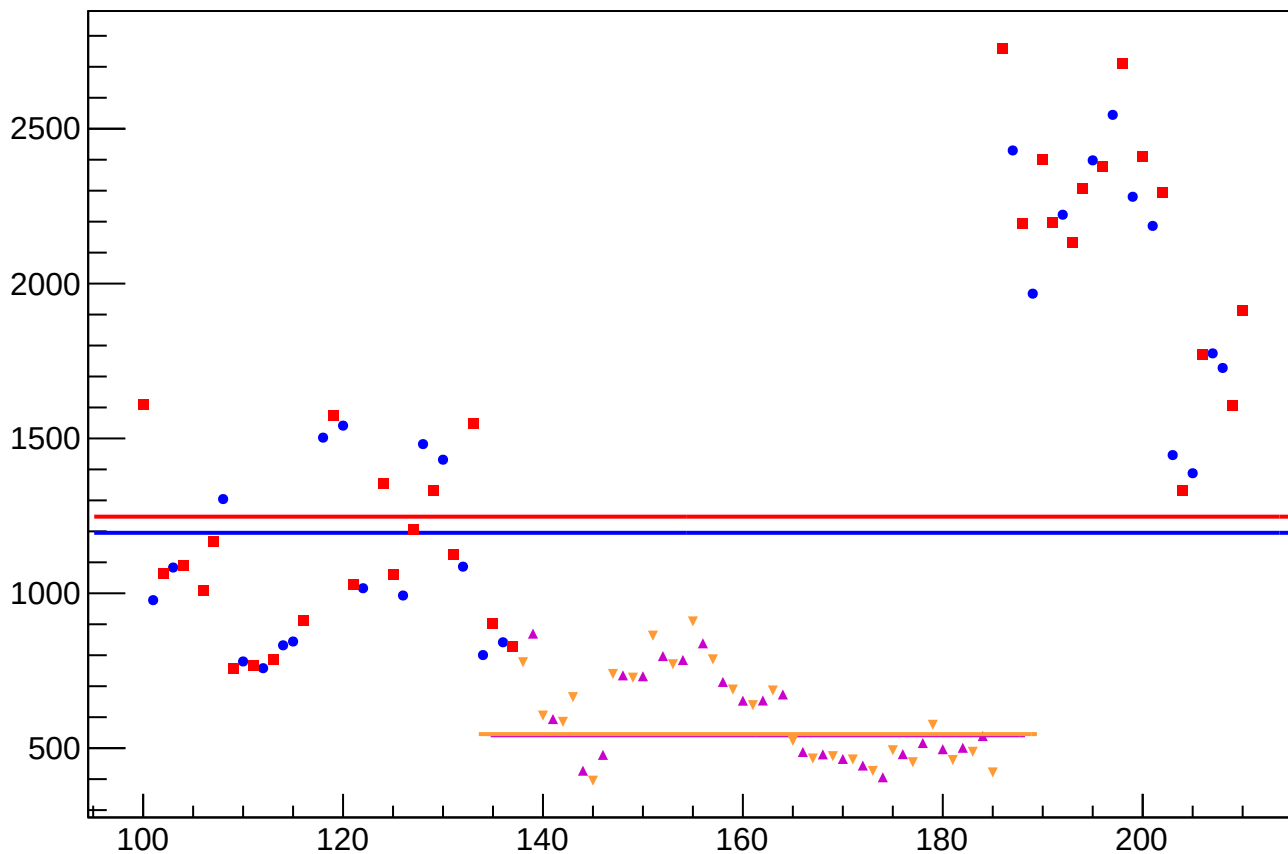
Left In: -77.392 ± 130.317 χ^2/NDF : 28.4/22

+ sign -556.842 ± 119.003 χ^2/NDF : 105.3/51

All: -388.413 ± 84.723 χ^2/NDF : 174.1/107

- sign -215.298 ± 120.647 χ^2/NDF : 64.7/55

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 1195.323+/-0.229 χ^2/NDF : 4164612.3/26

Left Out: 545.304+/-0.090 χ^2/NDF : 2083686.2/24

Right Out: 1247.480+/-0.226 χ^2/NDF : 5284530.9/32

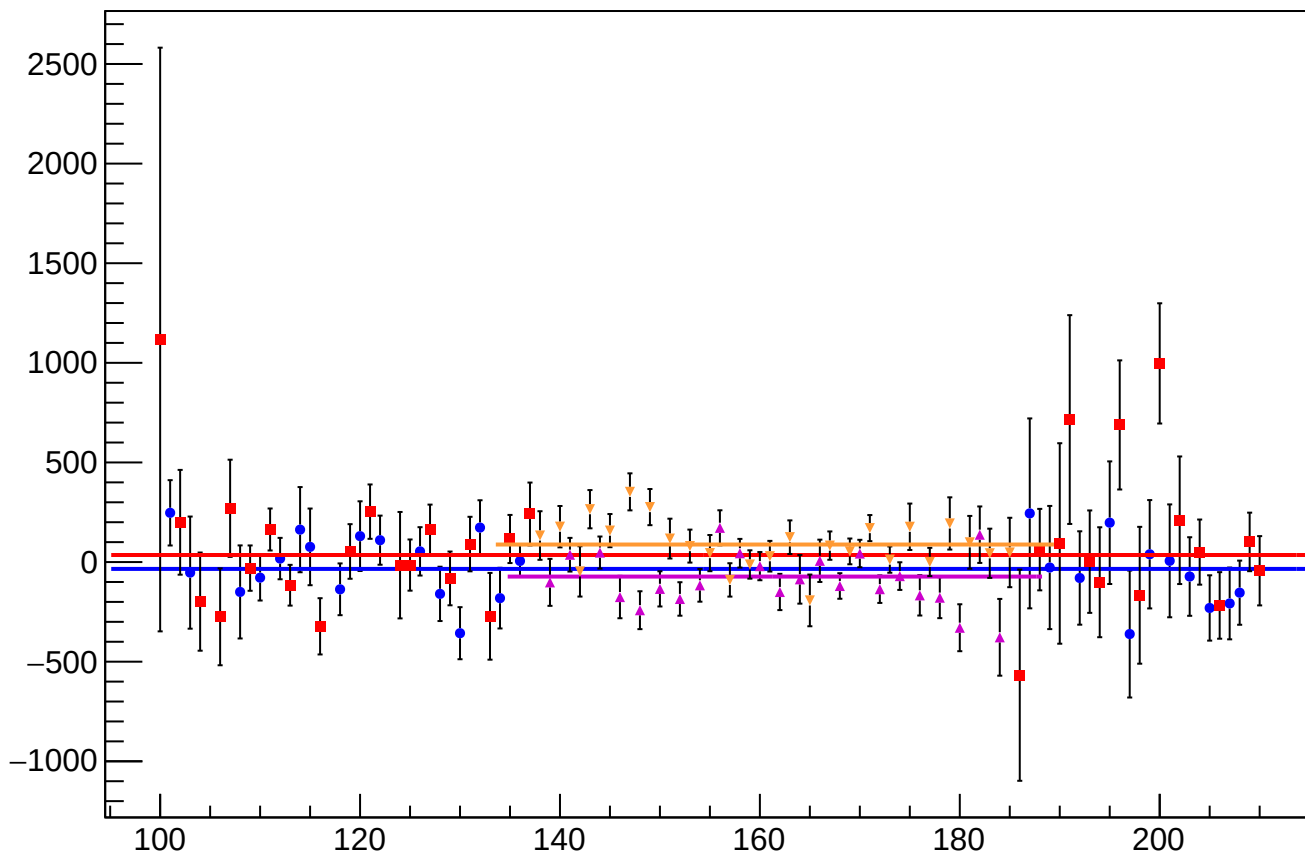
Left In: 541.458+/-0.092 χ^2/NDF : 1840342.7/22

+ sign 632.828+/-0.084 χ^2/NDF : 13201119.5/51

All: 637.527+/-0.060 χ^2/NDF : 28721692.4/10

- sign 642.357+/-0.085 χ^2/NDF : 15514249.6/55

dit_asym_sam_37_avg_mean vs Slug



Right In: -34.352 ± 30.301 χ^2/NDF : 23.6/26

Left Out: 88.040 ± 17.745 χ^2/NDF : 36.9/24

Right Out: 35.445 ± 29.933 χ^2/NDF : 44.5/32

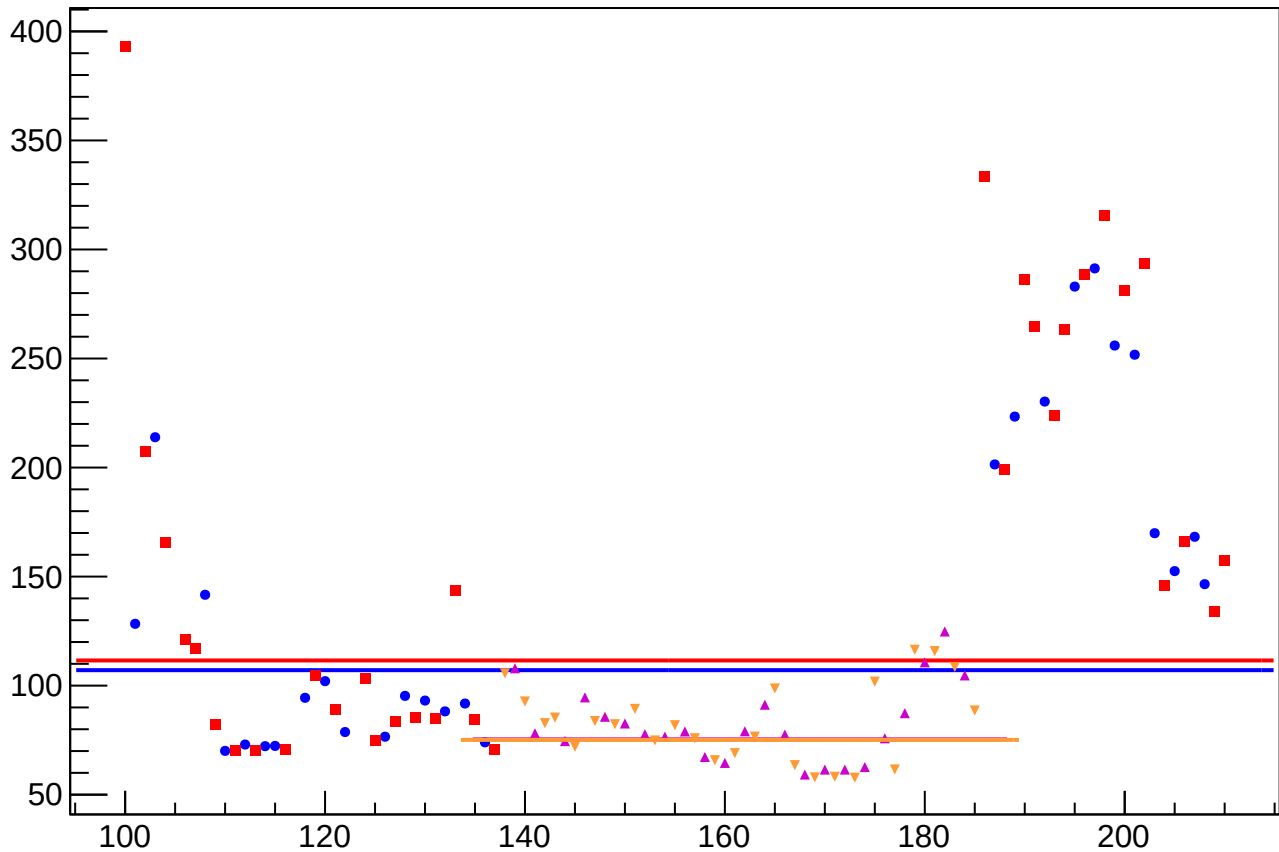
Left In: -72.849 ± 18.276 χ^2/NDF : 38.4/22

+ sign 56.786 ± 15.312 χ^2/NDF : 72.7/51

All: 7.600 ± 10.927 χ^2/NDF : 186.2/107

- sign -43.441 ± 15.598 χ^2/NDF : 92.5/55

dit_asym_sam_37_avg_rms vs Slug



Right In: 107.089 $\pm$ 0.021 χ^2 /NDF: 5664502.9/26

Left Out: 75.128 $\pm$ 0.013 χ^2 /NDF:1601461.8/24

Right Out: 111.537 $\pm$ 0.021 χ^2 /NDF: 7297508.8/32

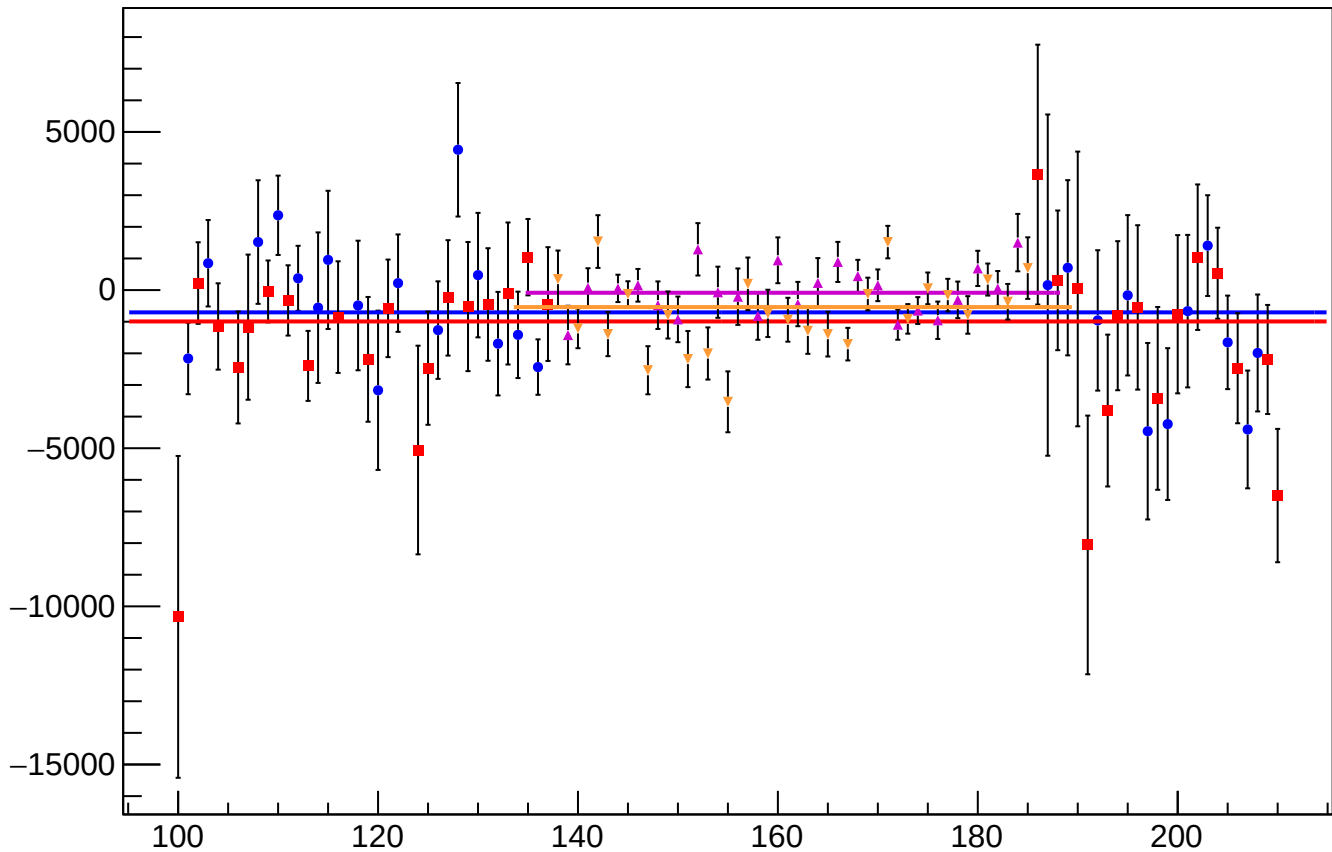
Left In: 75.363 $\pm$ 0.013 χ^2 /NDF:1225318.4/22

+ sign 83.289 $\pm$ 0.011 χ^2 /NDF: 8922825.3/51

All: 84.220 $\pm$ 0.008 χ^2 /NDF: 19588561.4/107

- sign 85.186 $\pm$ 0.011 χ^2 /NDF: 10650673.2/55

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -704.174+/-317.642 χ^2/NDF : 35.1/26

Left Out: -536.789+/-124.471 χ^2/NDF : 67.0/24

Right Out: -991.462+/-308.176 χ^2/NDF : 30.6/32

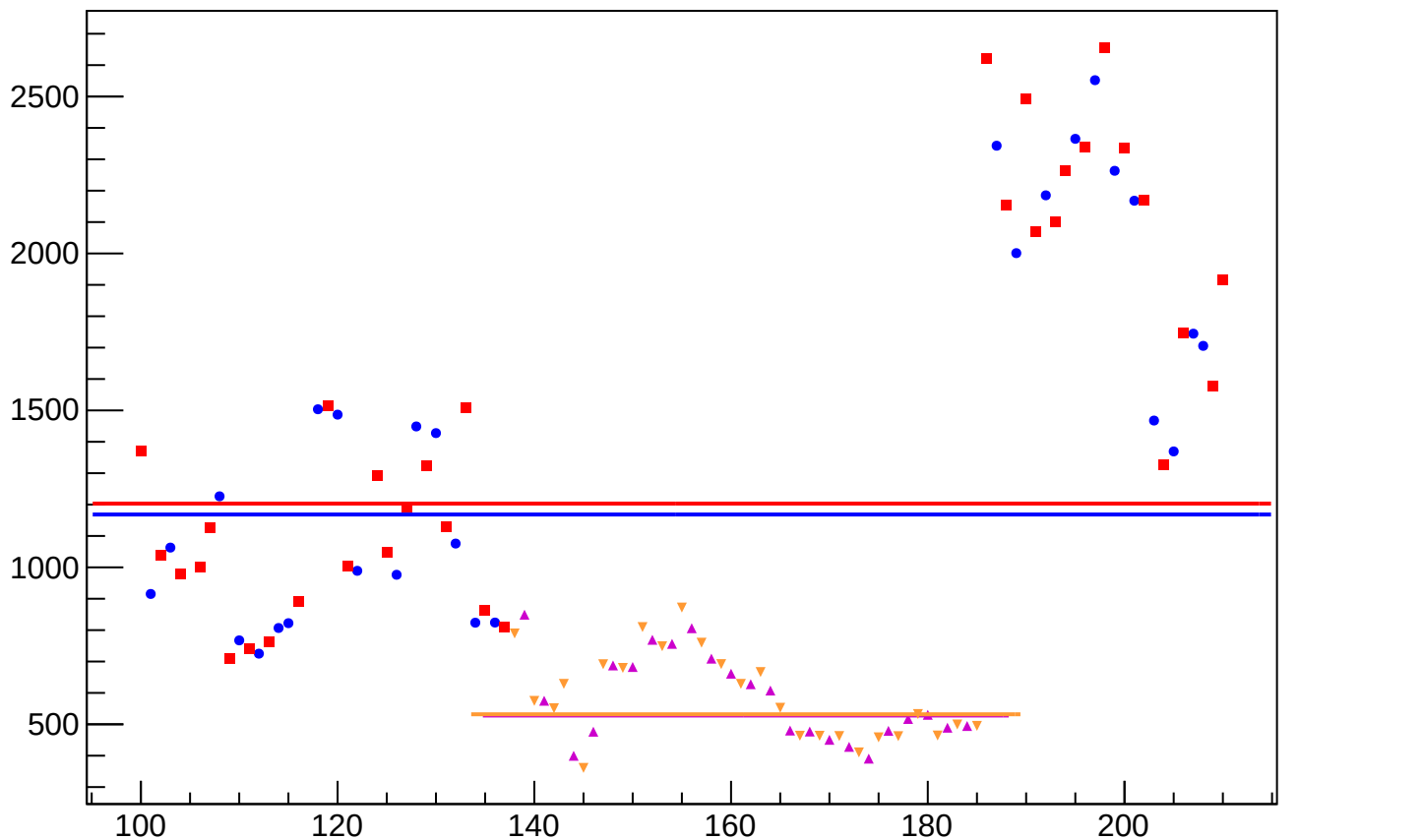
Left In: -84.668+/-127.039 χ^2/NDF : 27.5/22

+ sign -559.071+/-115.891 χ^2/NDF : 102.4/51

All: -390.016+/-82.493 χ^2/NDF : 172.2/107

- sign -216.380+/-117.451 χ^2/NDF : 65.5/55

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1168.378 $\pm$ 0.225 χ^2 /NDF: 4304546.7/26

Left Out: 531.872 $\pm$ 0.088 χ^2 /NDF: 2037750.0/24

Right Out: 1203.166 $\pm$ 0.218 χ^2 /NDF: 5499770.8/32

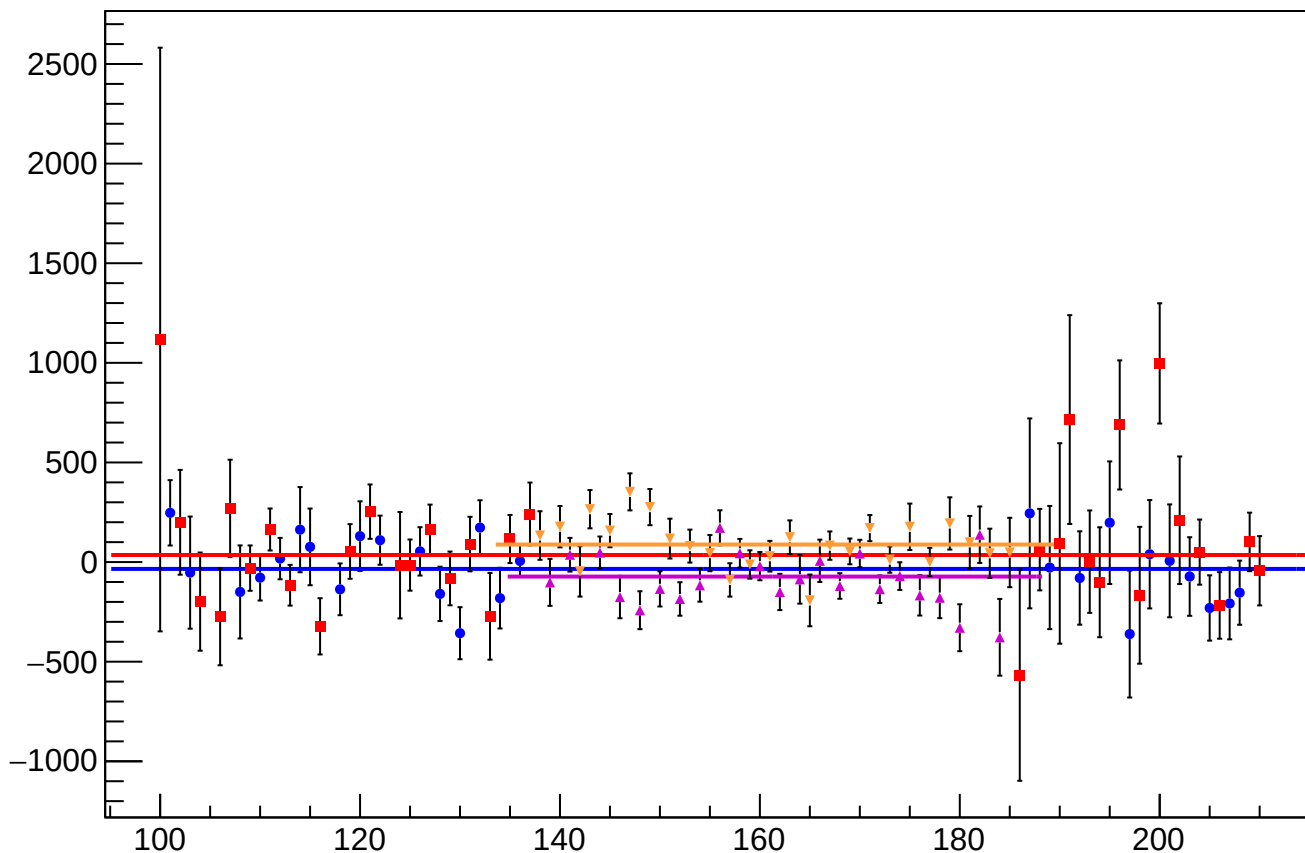
Left In: 527.986 $\pm$ 0.090 χ^2 /NDF: 1800455.5/22

+ sign 616.600 $\pm$ 0.082 χ^2 /NDF: 13304069.3/51

All: 621.265 $\pm$ 0.058 χ^2 /NDF: 28816463.3/10

- sign 626.056 $\pm$ 0.083 χ^2 /NDF: 15505825.9/55

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -34.352 ± 30.301 χ^2/NDF : 23.6/26

Left Out: 88.040 ± 17.745 χ^2/NDF : 36.9/24

Right Out: 35.448 ± 29.933 χ^2/NDF : 44.5/32

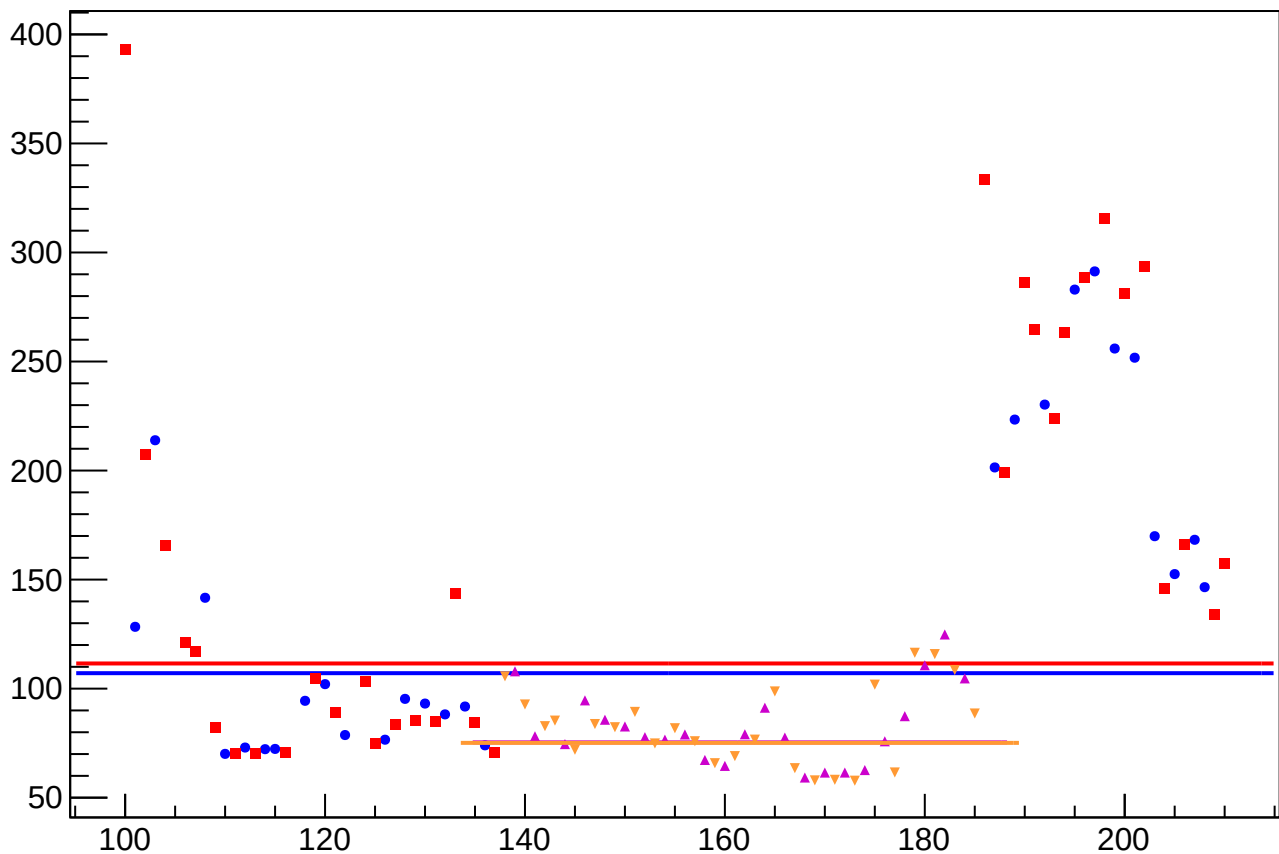
Left In: -72.848 ± 18.276 χ^2/NDF : 38.4/22

+ sign 56.786 ± 15.312 χ^2/NDF : 72.7/51

All: 7.600 ± 10.927 χ^2/NDF : 186.2/107

- sign -43.440 ± 15.598 χ^2/NDF : 92.5/55

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 107.089 $\pm$ 0.021 χ^2/NDF : 5664465.5/26

Left Out: 75.128 $\pm$ 0.013 χ^2/NDF : 1601462.6/24

Right Out: 111.538 $\pm$ 0.021 χ^2/NDF : 7297468.2/32

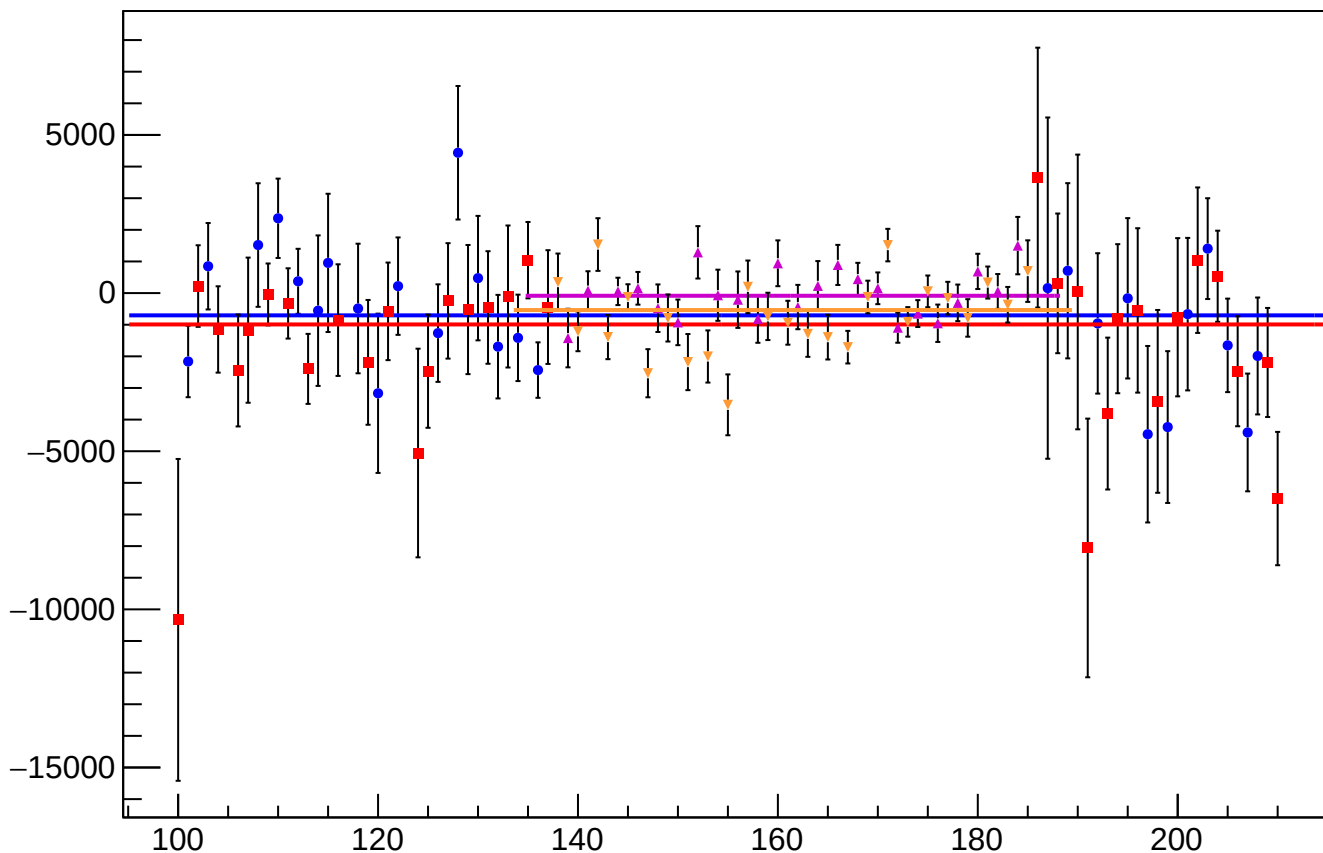
Left In: 75.363 $\pm$ 0.013 χ^2/NDF : 1225319.2/22

+ sign 83.290 $\pm$ 0.011 χ^2/NDF : 8922796.5/51

All: 84.221 $\pm$ 0.008 χ^2/NDF : 19588513.0/107

- sign 85.187 $\pm$ 0.011 χ^2/NDF : 10650653.8/55

asym_sam_37_avg_eigen_dit_correction_mean vs Slug



Right In: -704.171+/-317.642 χ^2/NDF : 35.1/26

Left Out: -536.790+/-124.471 χ^2/NDF : 67.0/24

Right Out: -991.460+/-308.176 χ^2/NDF : 30.6/32

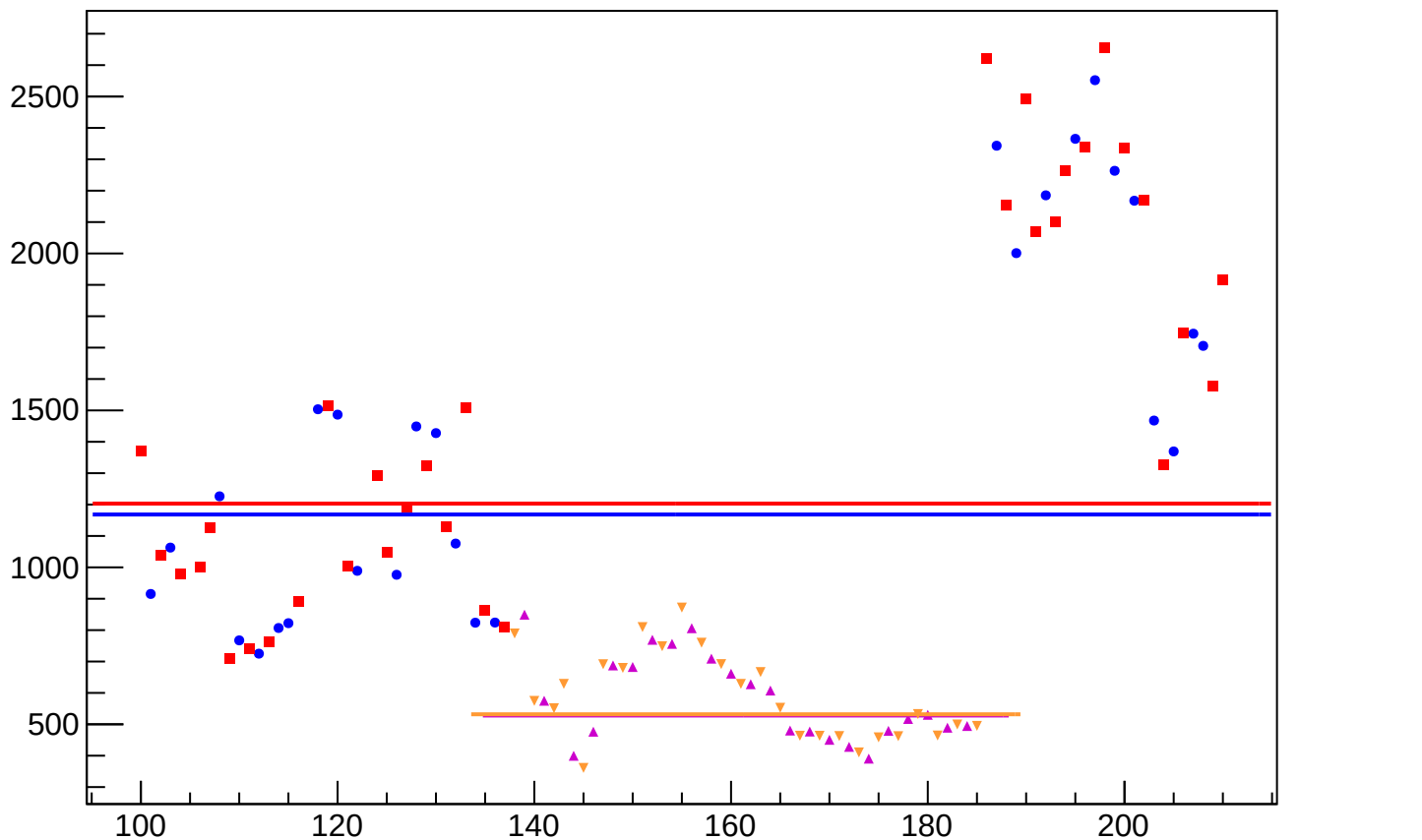
Left In: -84.668+/-127.039 χ^2/NDF : 27.5/22

+ sign -559.071+/-115.891 χ^2/NDF : 102.4/51

All: -390.016+/-82.493 χ^2/NDF : 172.2/107

- sign -216.380+/-117.451 χ^2/NDF : 65.5/55

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 1168.376 $\pm$ 0.225 χ^2 /NDF: 4304557.6/26

Left Out: 531.872 $\pm$ 0.088 χ^2 /NDF: 2037744.9/24

Right Out: 1203.164 $\pm$ 0.218 χ^2 /NDF: 5499781.6/32

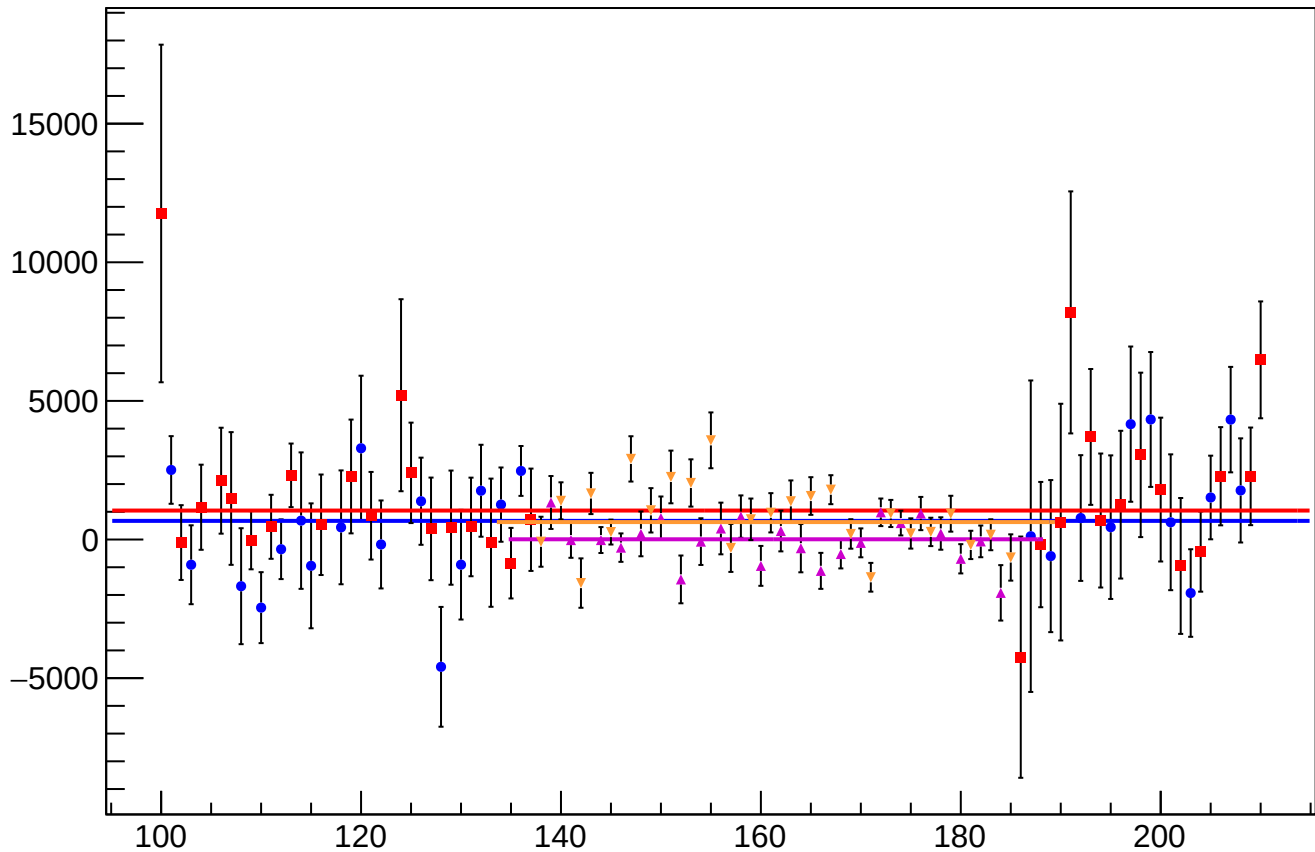
Left In: 527.986 $\pm$ 0.090 χ^2 /NDF: 1800449.7/22

+ sign 616.600 $\pm$ 0.082 χ^2 /NDF: 13304057.8/51

All: 621.264 $\pm$ 0.058 χ^2 /NDF: 28816434.9/10

- sign 626.056 $\pm$ 0.083 χ^2 /NDF: 15505808.9/55

asym_sam_37_avg_mean vs Slug



Right In: 672.564 ± 325.947 χ^2/NDF : 36.0/26

Left Out: 629.379 ± 128.853 χ^2/NDF : 64.9/24

Right Out: 1044.965 ± 320.291 χ^2/NDF : 27.6/32

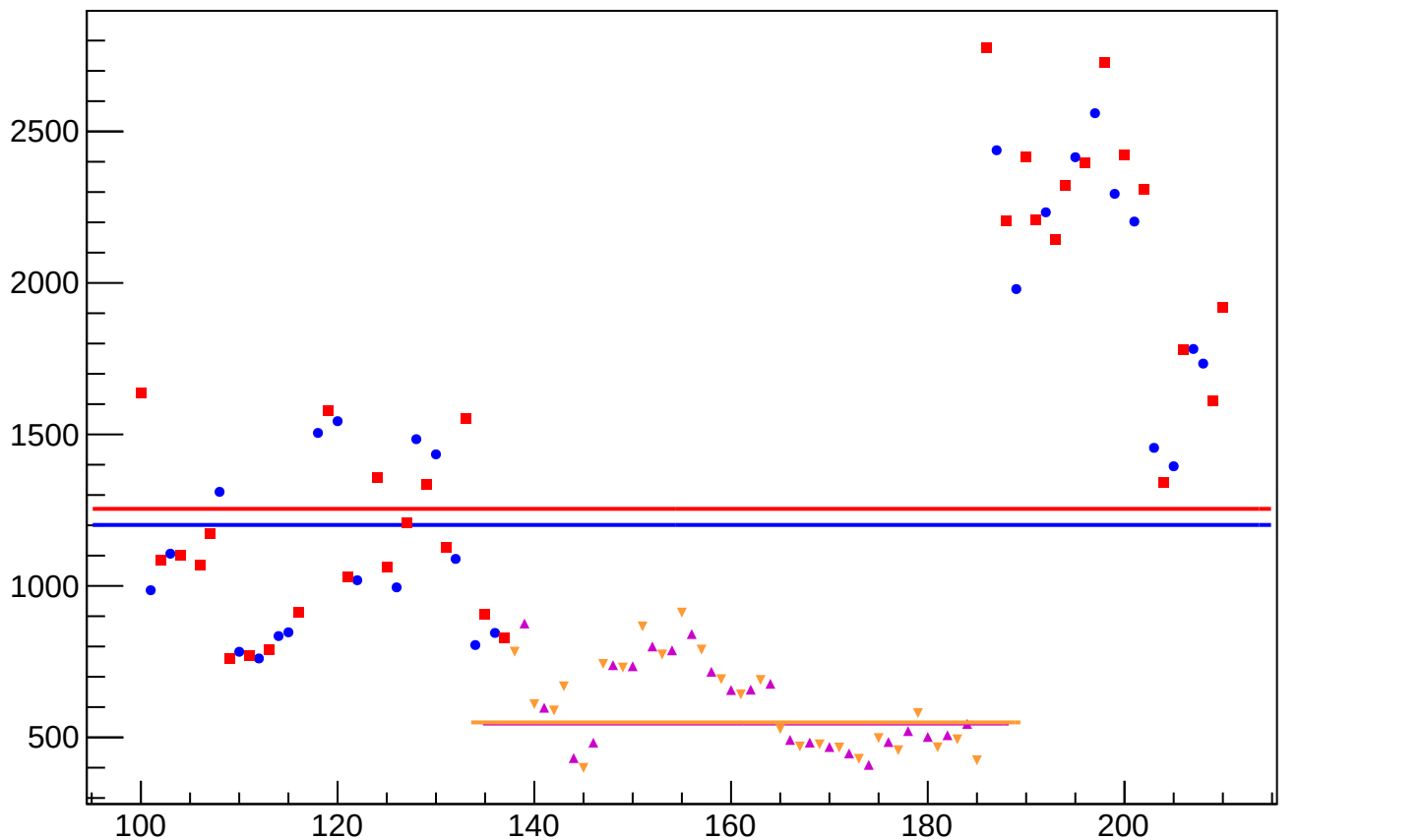
Left In: 8.460 ± 131.289 χ^2/NDF : 27.3/22

+ sign 635.215 ± 119.830 χ^2/NDF : 100.9/51

All: 399.656 ± 85.310 χ^2/NDF : 172.6/107

- sign 157.564 ± 121.480 χ^2/NDF : 63.9/55

asym_sam_37_avg_rms vs Slug



Right In: 1201.218 $\pm$ 0.230 χ^2 /NDF: 4171314.1/26

Left Out: 549.475 $\pm$ 0.091 χ^2 /NDF: 2053905.8/24

Right Out: 1254.340 $\pm$ 0.226 χ^2 /NDF: 5283800.3/32

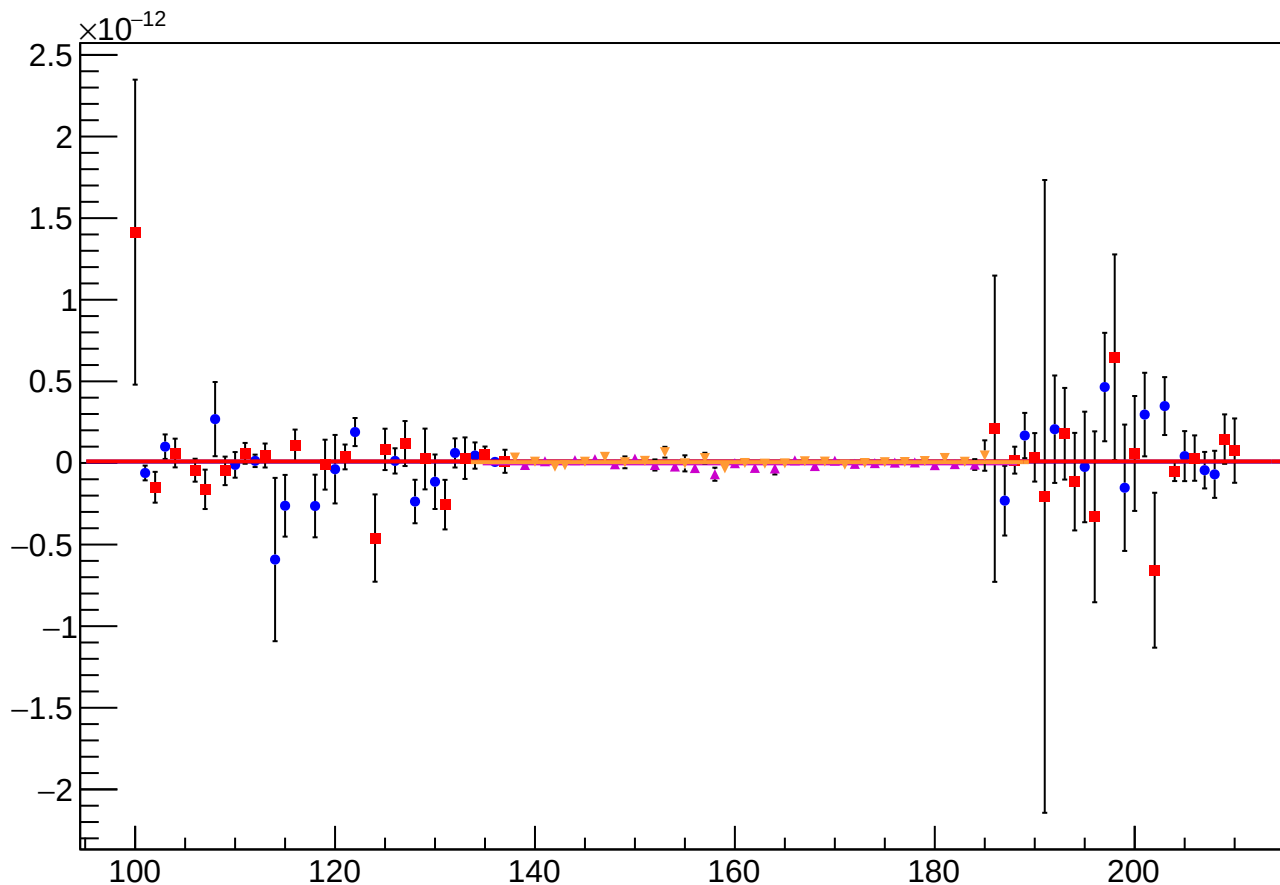
Left In: 545.708 $\pm$ 0.093 χ^2 /NDF: 1814508.3/22

+ sign 637.562 $\pm$ 0.085 χ^2 /NDF: 13140795.5/51

All: 642.535 $\pm$ 0.060 χ^2 /NDF: 28627775.6/10

- sign 647.647 $\pm$ 0.086 χ^2 /NDF: 15479994.0/55

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/32

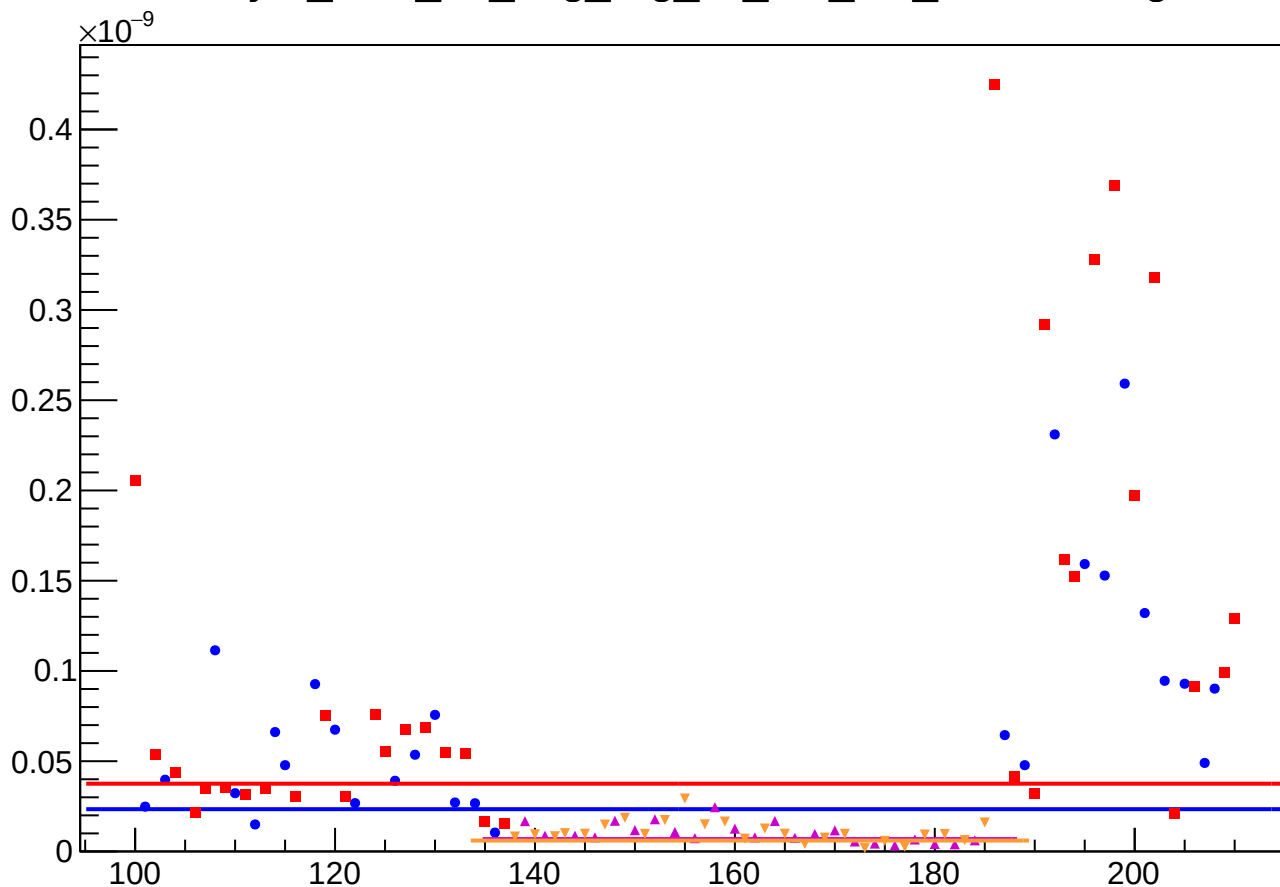
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:20.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.9/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 93.4/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 44.9/55

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6072560.3/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5854249.3/32

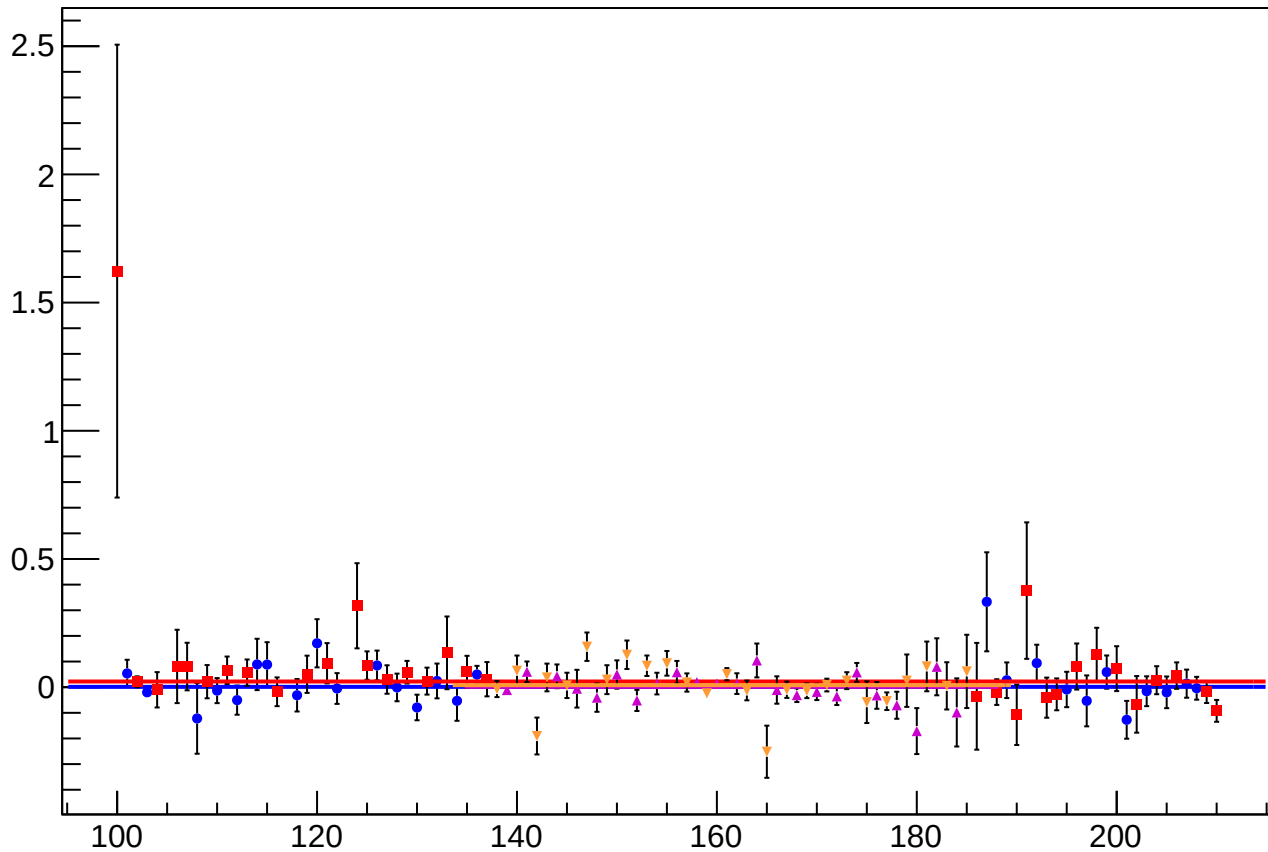
Left In: 0.000+/-0.000 χ^2/NDF : 2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 12649351.6/51

All: 0.000+/-0.000 χ^2/NDF : 26426003.6/107

- sign 0.000+/-0.000 χ^2/NDF : 13671773.3/55

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.001 $\pm$ 0.010 χ^2 /NDF: 25.7/26

Left Out: 0.008 $\pm$ 0.008 χ^2 /NDF: 47.6/24

Right Out: 0.022 $\pm$ 0.010 χ^2 /NDF: 28.6/32

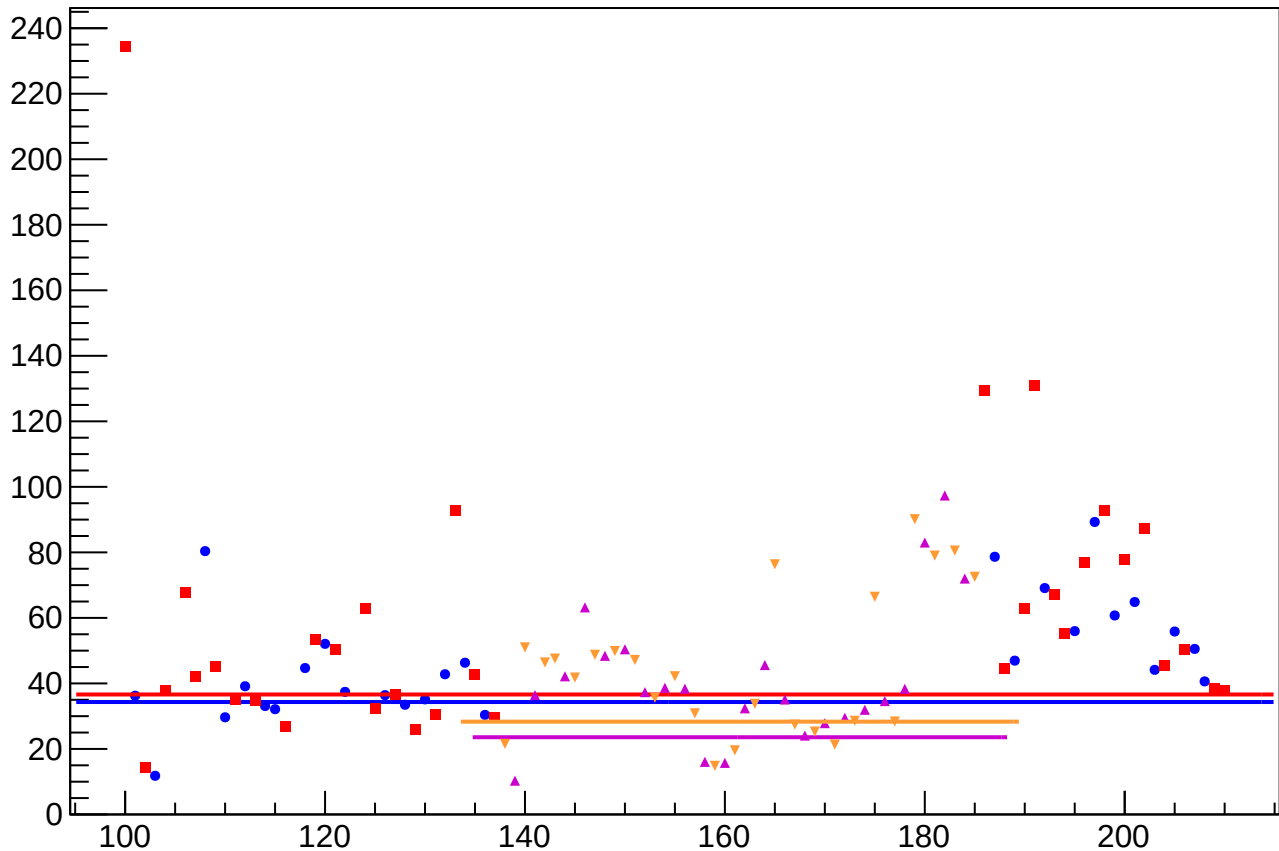
Left In: 0.001 $\pm$ 0.007 χ^2 /NDF: 25.1/22

+ sign 0.006 $\pm$ 0.006 χ^2 /NDF: 73.5/51

All: 0.007 $\pm$ 0.004 χ^2 /NDF: 130.2/107

- sign 0.008 $\pm$ 0.006 χ^2 /NDF: 56.6/55

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.320+/-0.007 χ^2/NDF : 5769887.7/26

Left Out: 28.325+/-0.005 χ^2/NDF : 6788307.1/24

Right Out: 36.621+/-0.007 χ^2/NDF : 6517768.0/32

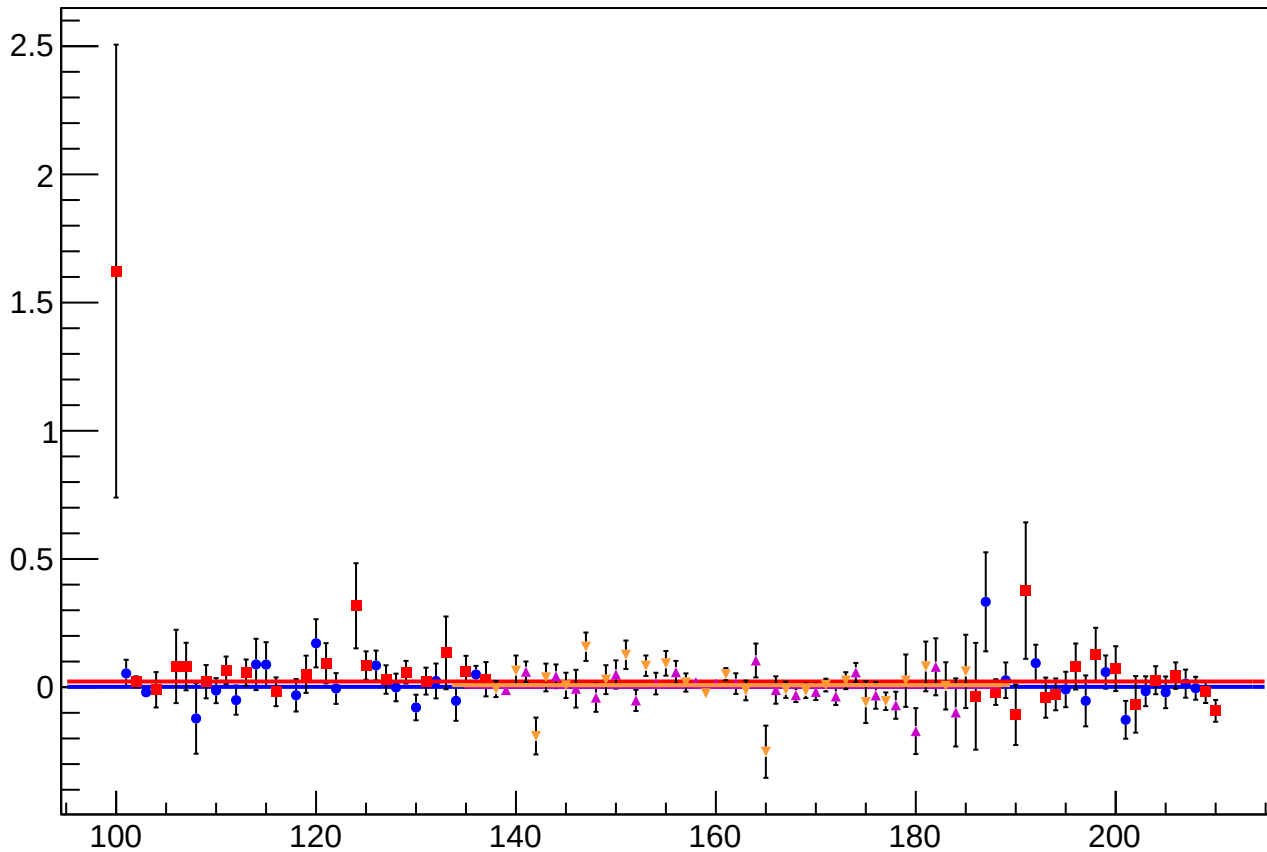
Left In: 23.572+/-0.005 χ^2/NDF : 8263833.7/22

+ sign 30.435+/-0.004 χ^2/NDF : 12998939.9/51

All: 28.883+/-0.003 χ^2/NDF : 30256319.2/107

- sign 27.538+/-0.004 χ^2/NDF : 17015736.4/55

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.010 $\chi^2/\text{NDF}: 25.7/26$

Left Out: 0.008 ± 0.008 $\chi^2/\text{NDF}: 47.6/24$

Right Out: 0.022 ± 0.010 $\chi^2/\text{NDF}: 28.6/32$

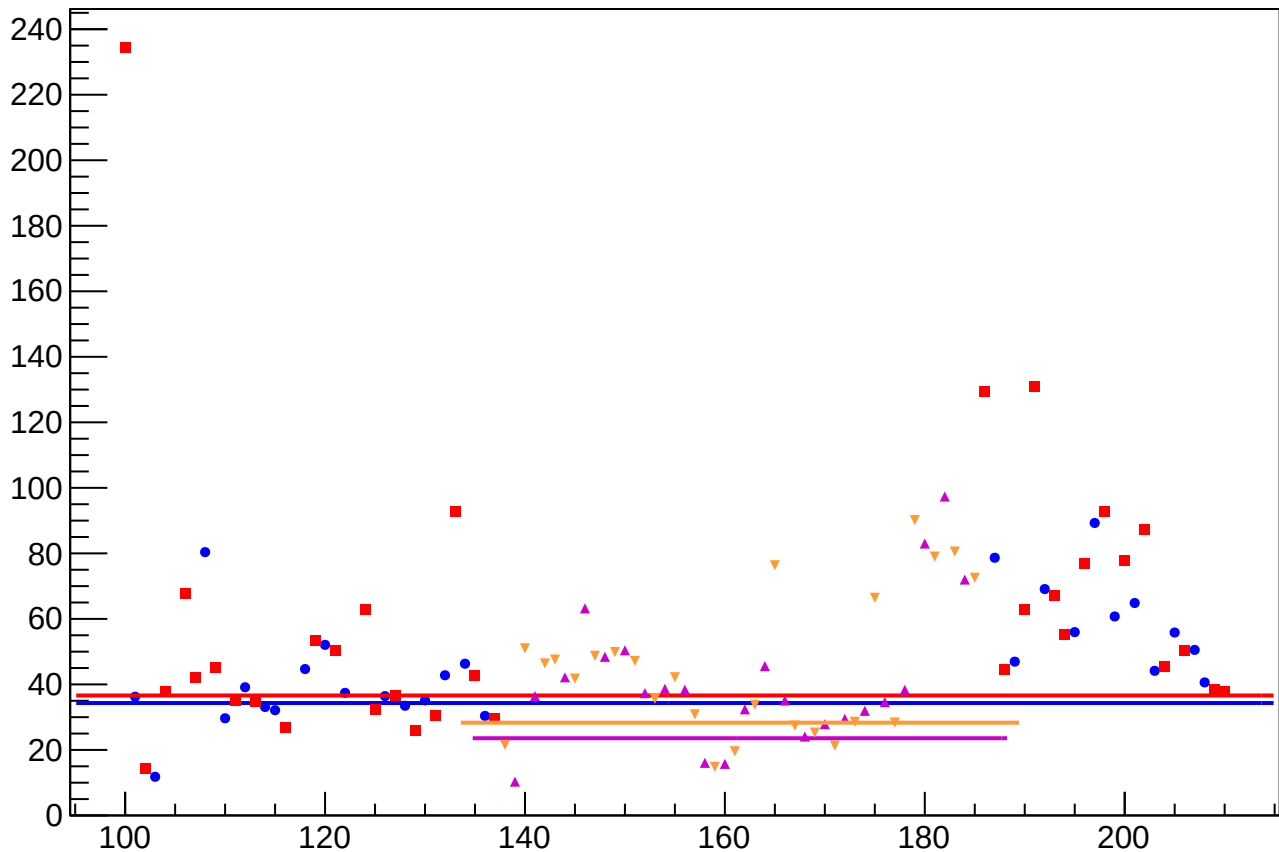
Left In: 0.001 ± 0.007 $\chi^2/\text{NDF}: 25.1/22$

+ sign 0.006 ± 0.006 $\chi^2/\text{NDF}: 73.5/51$

All: 0.007 ± 0.004 $\chi^2/\text{NDF}: 130.2/107$

- sign 0.008 ± 0.006 $\chi^2/\text{NDF}: 56.6/55$

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.320+/-0.007 χ^2/NDF : 5769887.7/26

Left Out: 28.325+/-0.005 χ^2/NDF : 6788307.1/24

Right Out: 36.621+/-0.007 χ^2/NDF : 6517768.0/32

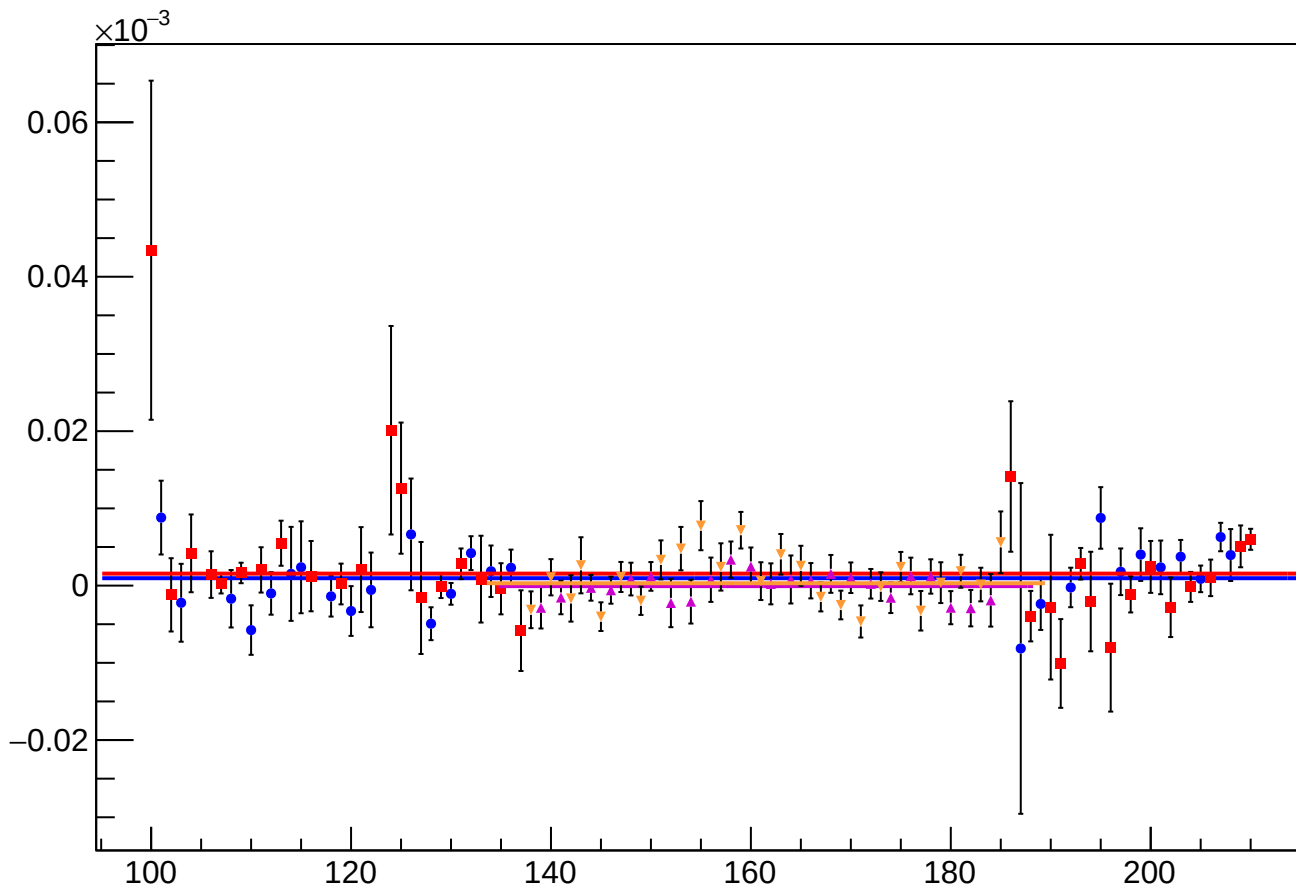
Left In: 23.572+/-0.005 χ^2/NDF : 8263833.7/22

+ sign 30.435+/-0.004 χ^2/NDF : 12998939.9/51

All: 28.883+/-0.003 χ^2/NDF : 30256319.2/107

- sign 27.538+/-0.004 χ^2/NDF : 17015736.4/55

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:45.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/32

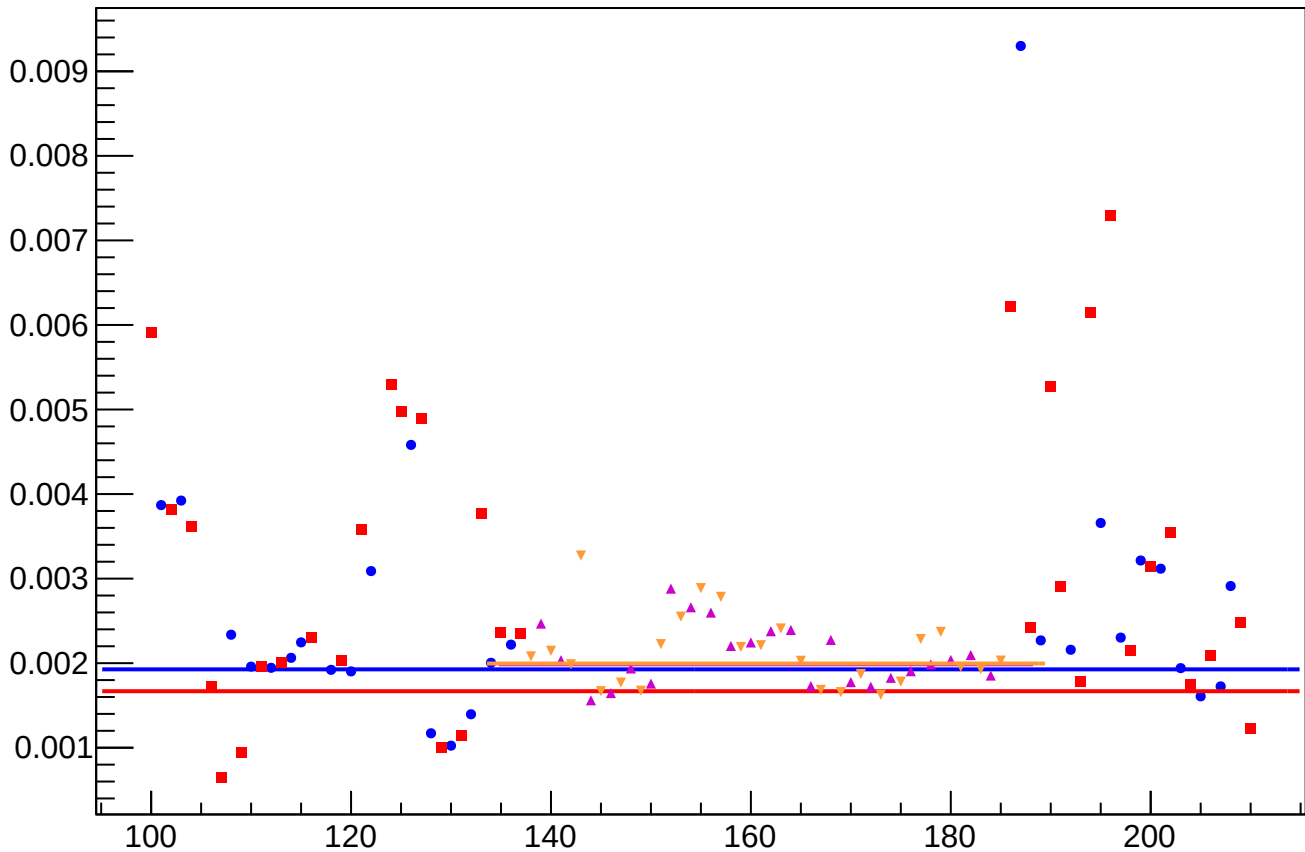
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:12.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 87.7/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 147.6/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.8/55

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 ± 0.000 χ^2/NDF : 3750695.6/26

Left Out: 0.002 ± 0.000 χ^2/NDF : 1173308.8/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 8952215.2/32

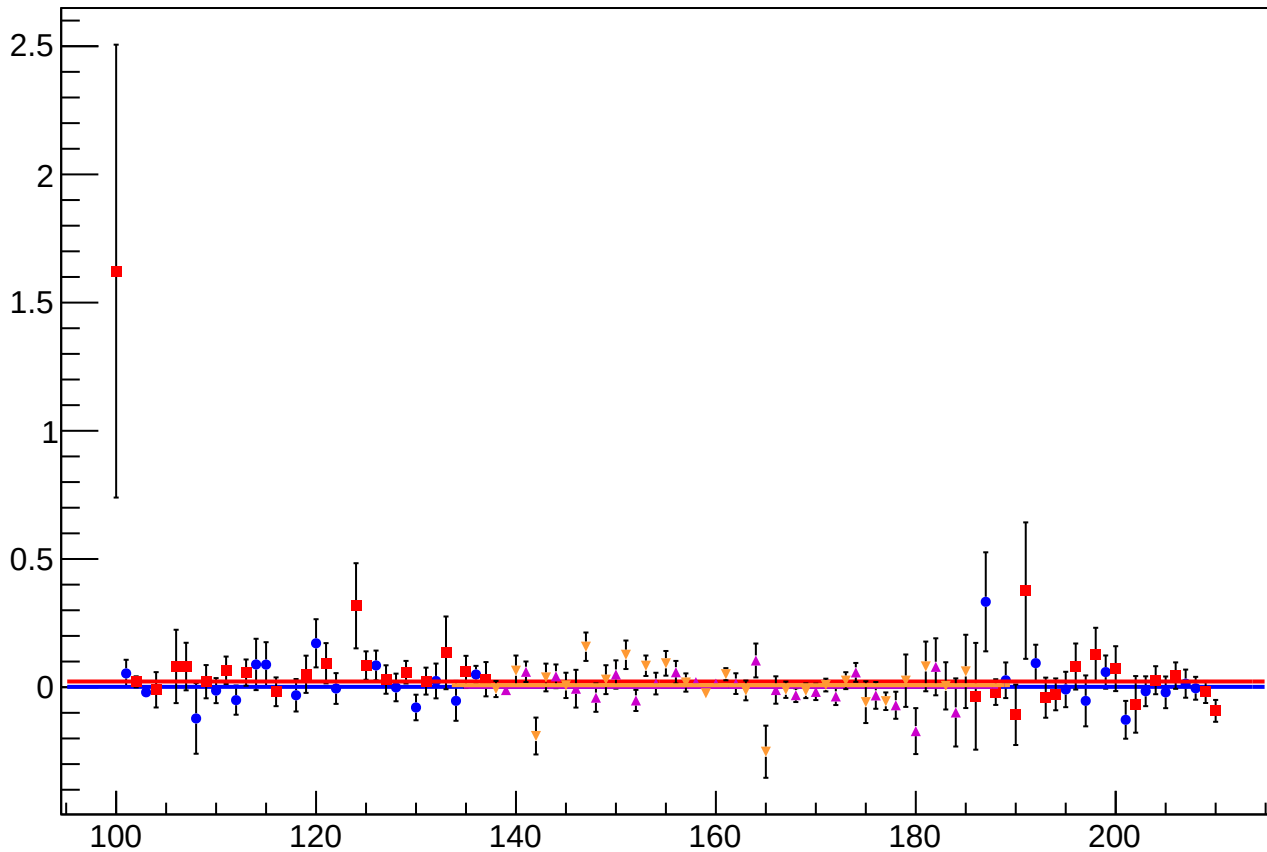
Left In: 0.002 ± 0.000 χ^2/NDF : 924009.7/22

+ sign 0.002 ± 0.000 χ^2/NDF : 4943008.4/51

All: 0.002 ± 0.000 χ^2/NDF : 15446410.2/107

- sign 0.002 ± 0.000 χ^2/NDF : 10335395.0/55

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.010 χ^2/NDF : 25.7/26

Left Out: 0.008 ± 0.008 χ^2/NDF : 47.6/24

Right Out: 0.022 ± 0.010 χ^2/NDF : 28.6/32

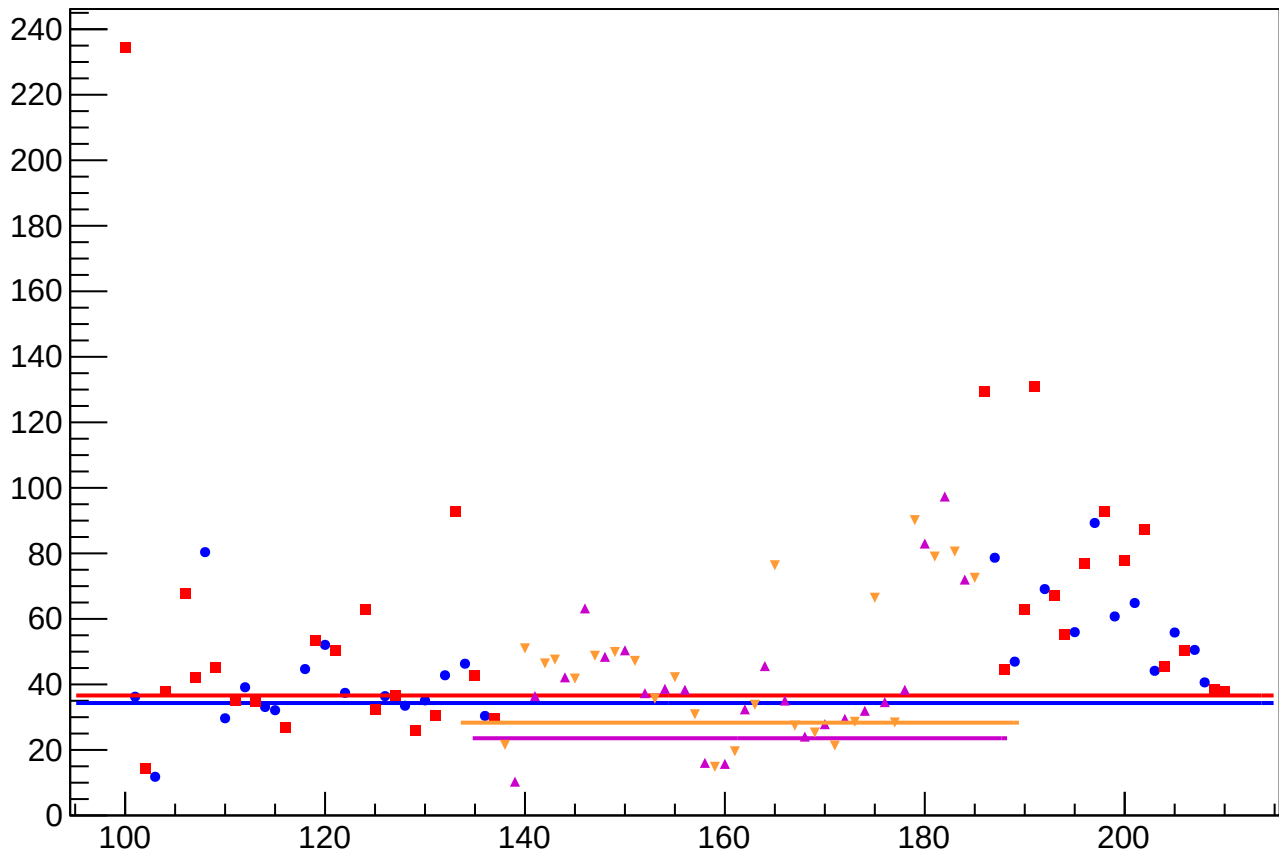
Left In: 0.001 ± 0.007 χ^2/NDF : 25.1/22

+ sign 0.006 ± 0.006 χ^2/NDF : 73.5/51

All: 0.007 ± 0.004 χ^2/NDF : 130.2/107

- sign 0.008 ± 0.006 χ^2/NDF : 56.6/55

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.320+/-0.007 χ^2/NDF : 5770295.2/26

Left Out: 28.324+/-0.005 χ^2/NDF : 6788766.1/24

Right Out: 36.623+/-0.007 χ^2/NDF : 6516582.4/32

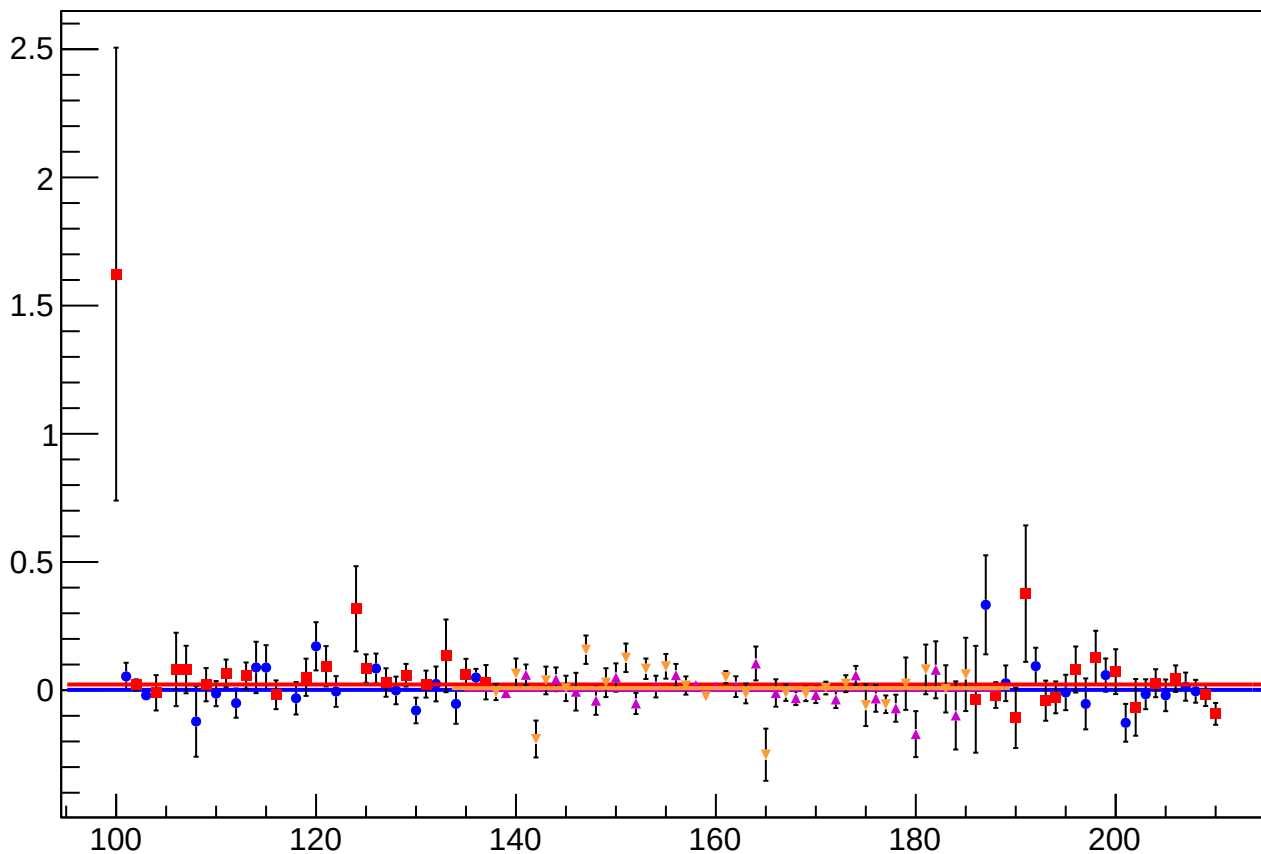
Left In: 23.571+/-0.005 χ^2/NDF : 8264891.4/22

+ sign 30.435+/-0.004 χ^2/NDF : 12999763.9/51

All: 28.883+/-0.003 χ^2/NDF : 30258133.3/107

- sign 27.538+/-0.004 χ^2/NDF : 17016728.8/55

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 $\pm$ 0.010 χ^2 /NDF: 25.7/26

Left Out: 0.008 $\pm$ 0.008 χ^2 /NDF: 47.6/24

Right Out: 0.022 $\pm$ 0.010 χ^2 /NDF: 28.6/32

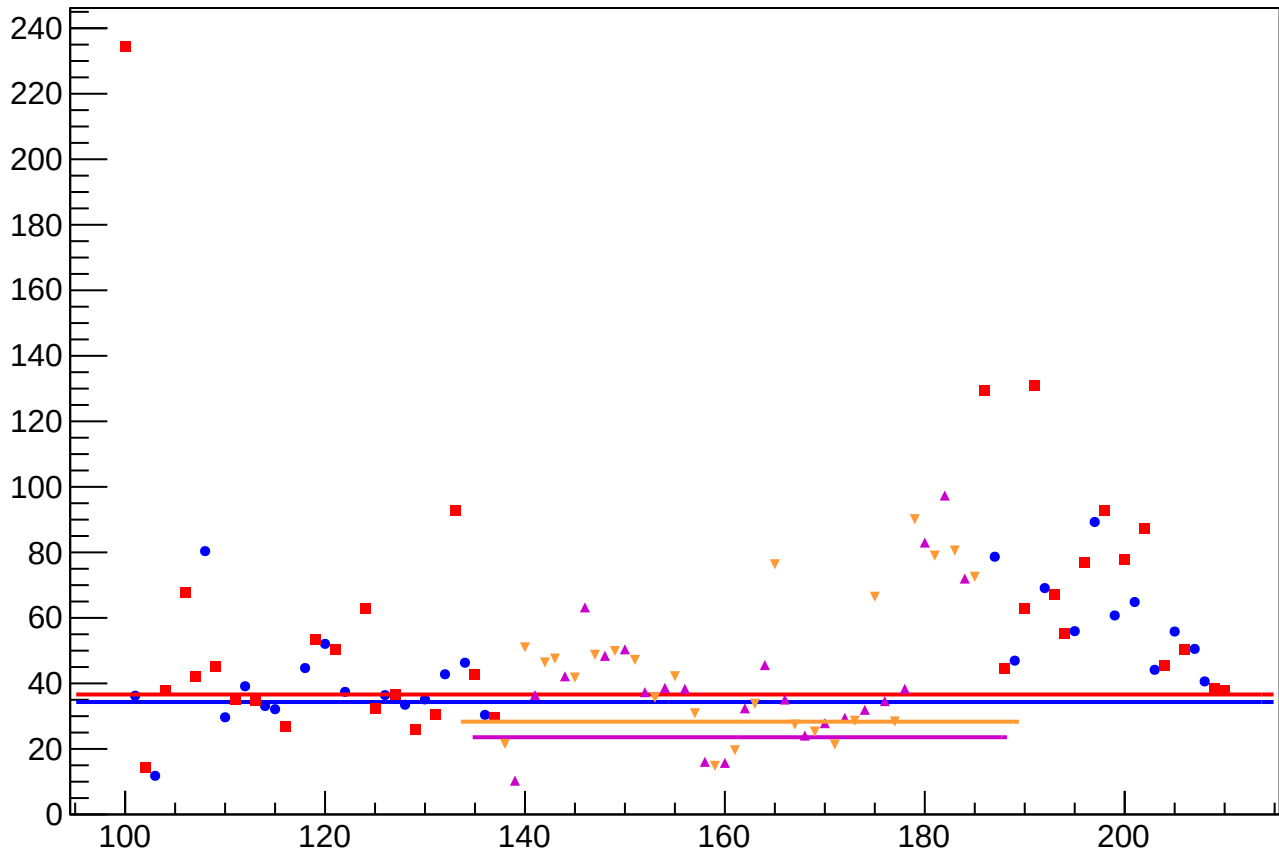
Left In: 0.001 $\pm$ 0.007 χ^2 /NDF: 25.1/22

+ sign 0.006 $\pm$ 0.006 χ^2 /NDF: 73.5/51

All: 0.007 $\pm$ 0.004 χ^2 /NDF: 130.2/107

- sign 0.008 $\pm$ 0.006 χ^2 /NDF: 56.6/55

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.320+/-0.007 χ^2/NDF : 5770295.2/26

Left Out: 28.324+/-0.005 χ^2/NDF : 6788766.1/24

Right Out: 36.623+/-0.007 χ^2/NDF : 6516582.4/32

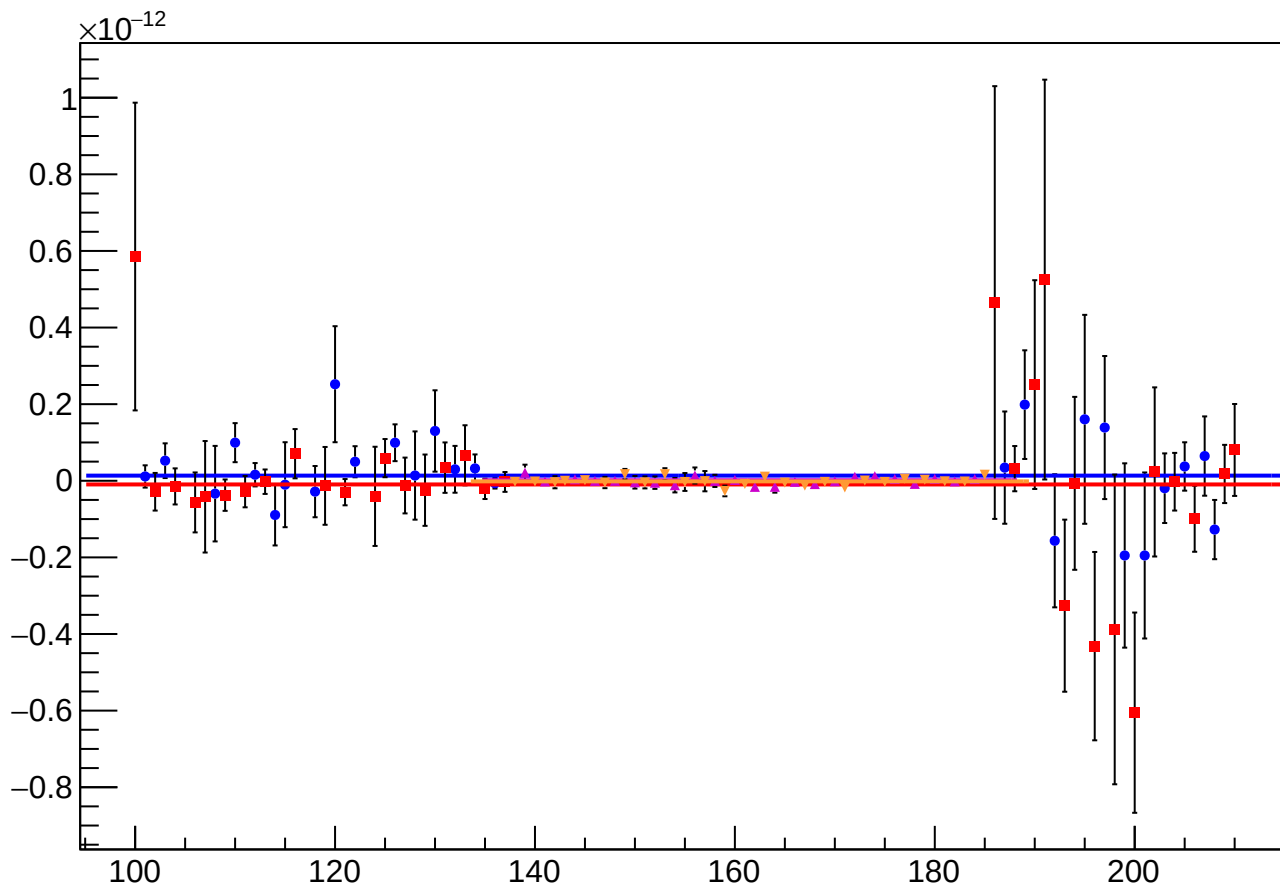
Left In: 23.571+/-0.005 χ^2/NDF : 8264891.4/22

+ sign 30.435+/-0.004 χ^2/NDF : 12999763.9/51

All: 28.883+/-0.003 χ^2/NDF : 30258133.3/107

- sign 27.538+/-0.004 χ^2/NDF : 17016728.8/55

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 24.9/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 17.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 25.0/32

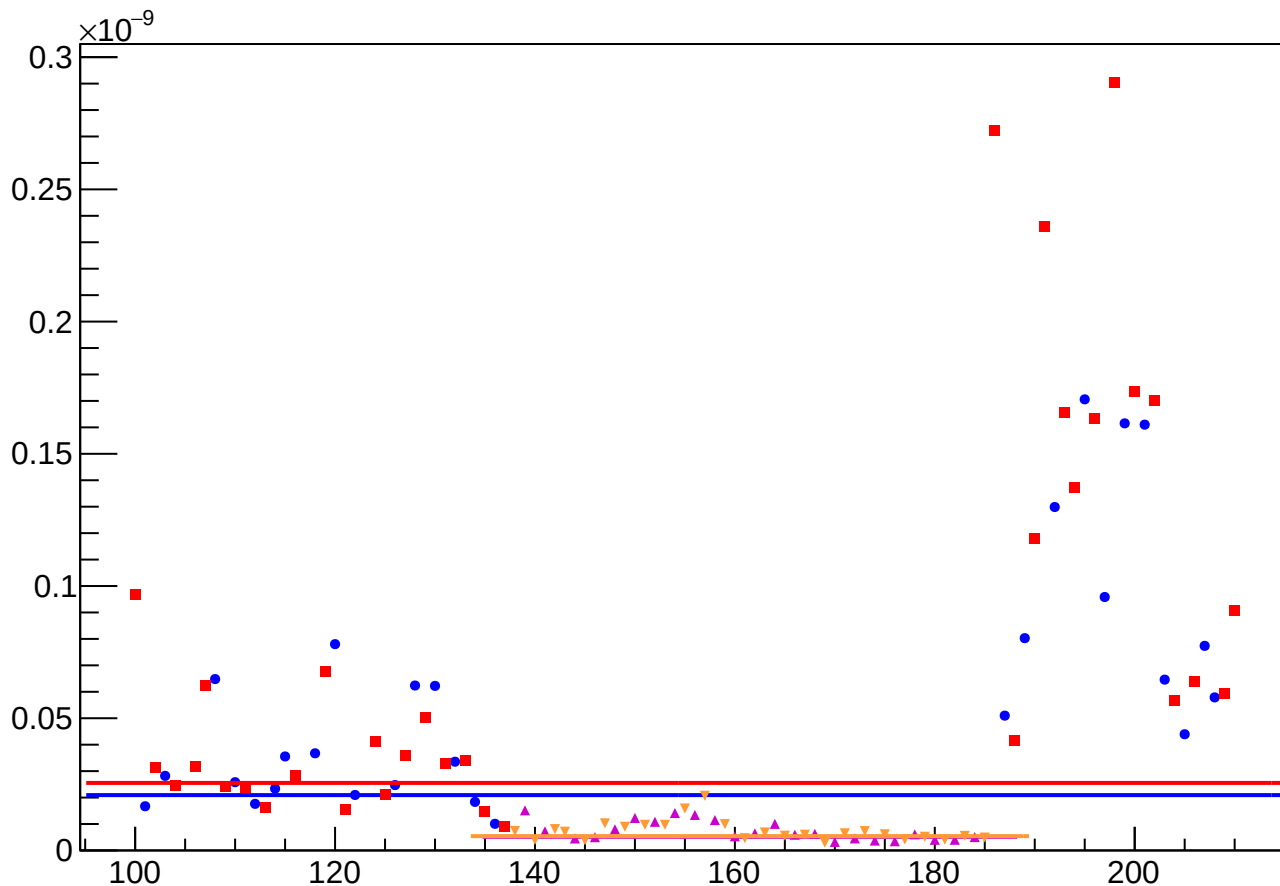
Left In: 0.000 ± 0.000 χ^2/NDF : 15.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 45.1/51

All: 0.000 ± 0.000 χ^2/NDF : 87.7/107

- sign 0.000 ± 0.000 χ^2/NDF : 42.0/55

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8171051.3/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9418992.8/32

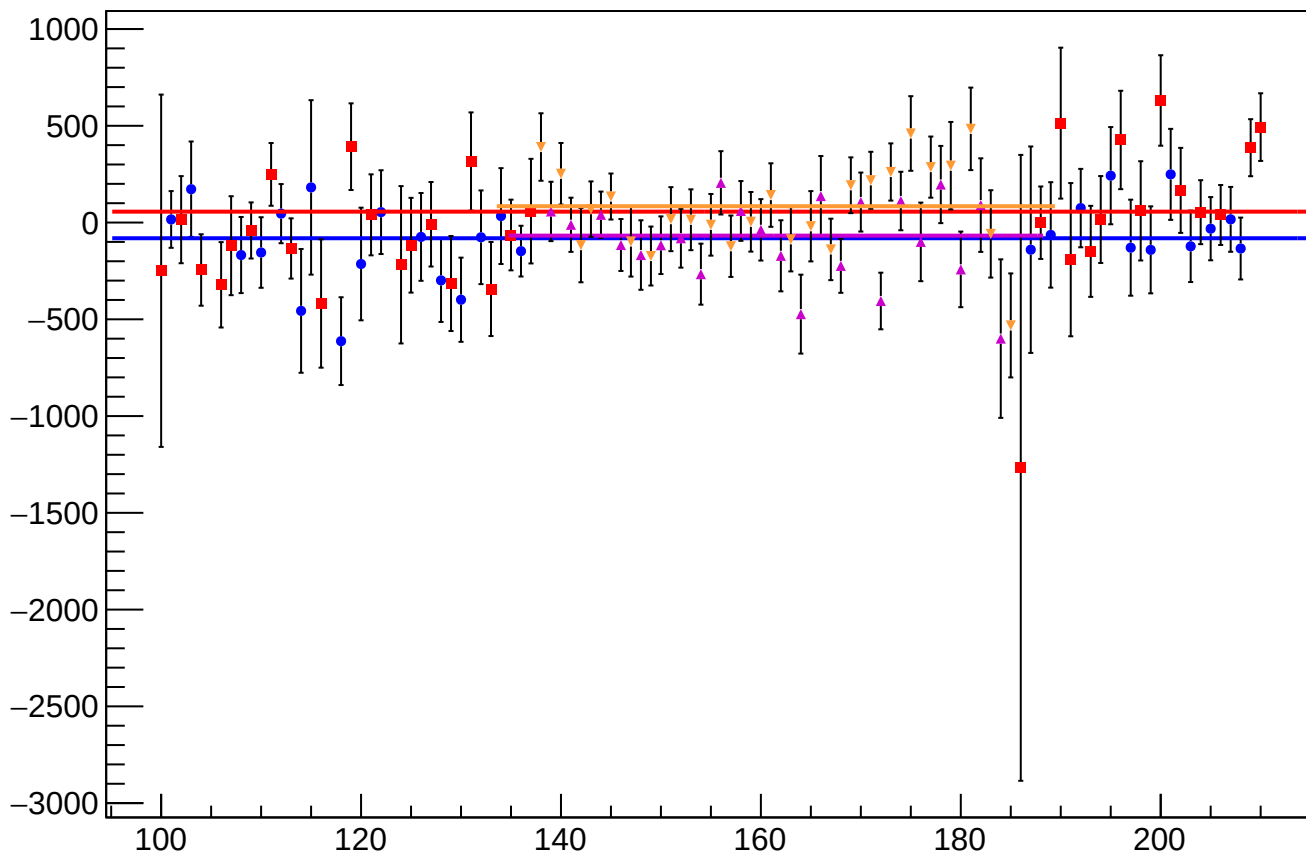
Left In: 0.000+/-0.000 χ^2/NDF : 3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 16827896.5/51

All: 0.000+/-0.000 χ^2/NDF : 37317678.2/107

- sign 0.000+/-0.000 χ^2/NDF : 20470960.1/55

reg_asym_sam_48_avg_mean vs Slug



Right In: -81.086 ± 39.657 χ^2/NDF : 18.9/26

Left Out: 84.324 ± 33.036 χ^2/NDF : 33.8/24

Right Out: 56.323 ± 37.579 χ^2/NDF : 44.4/32

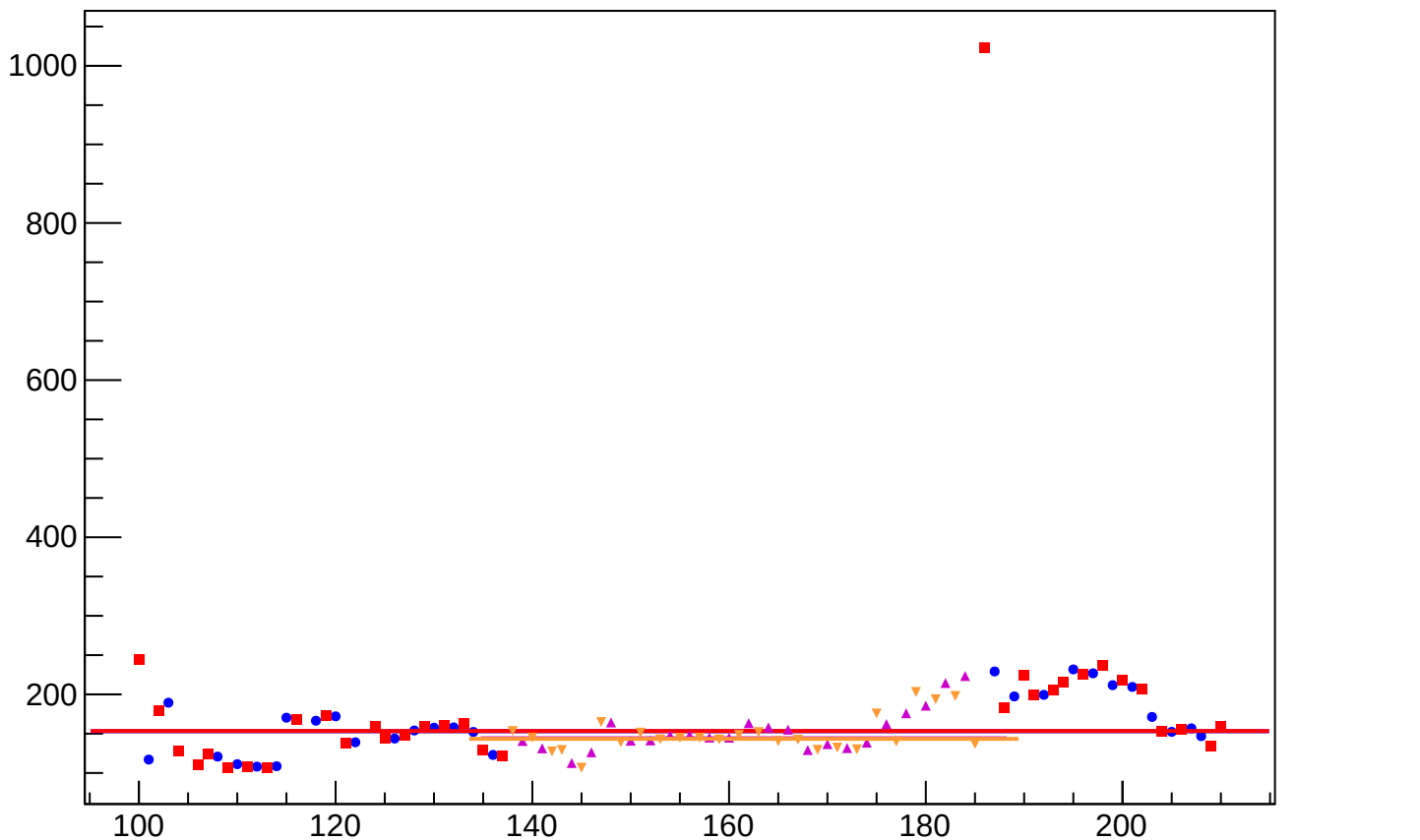
Left In: -67.646 ± 34.137 χ^2/NDF : 26.5/22

+ sign 16.561 ± 25.382 χ^2/NDF : 63.0/51

All: 2.418 ± 17.907 χ^2/NDF : 140.6/107

- sign -11.597 ± 25.268 χ^2/NDF : 76.9/55

reg_asym_sam_48_avg_rms vs Slug



Right In: 153.089+/-0.028 χ^2/NDF : 1519950.6/26

Left Out: 143.444+/-0.023 χ^2/NDF : 747040.9/24

Right Out: 153.346+/-0.027 χ^2/NDF : 2477169.9/32

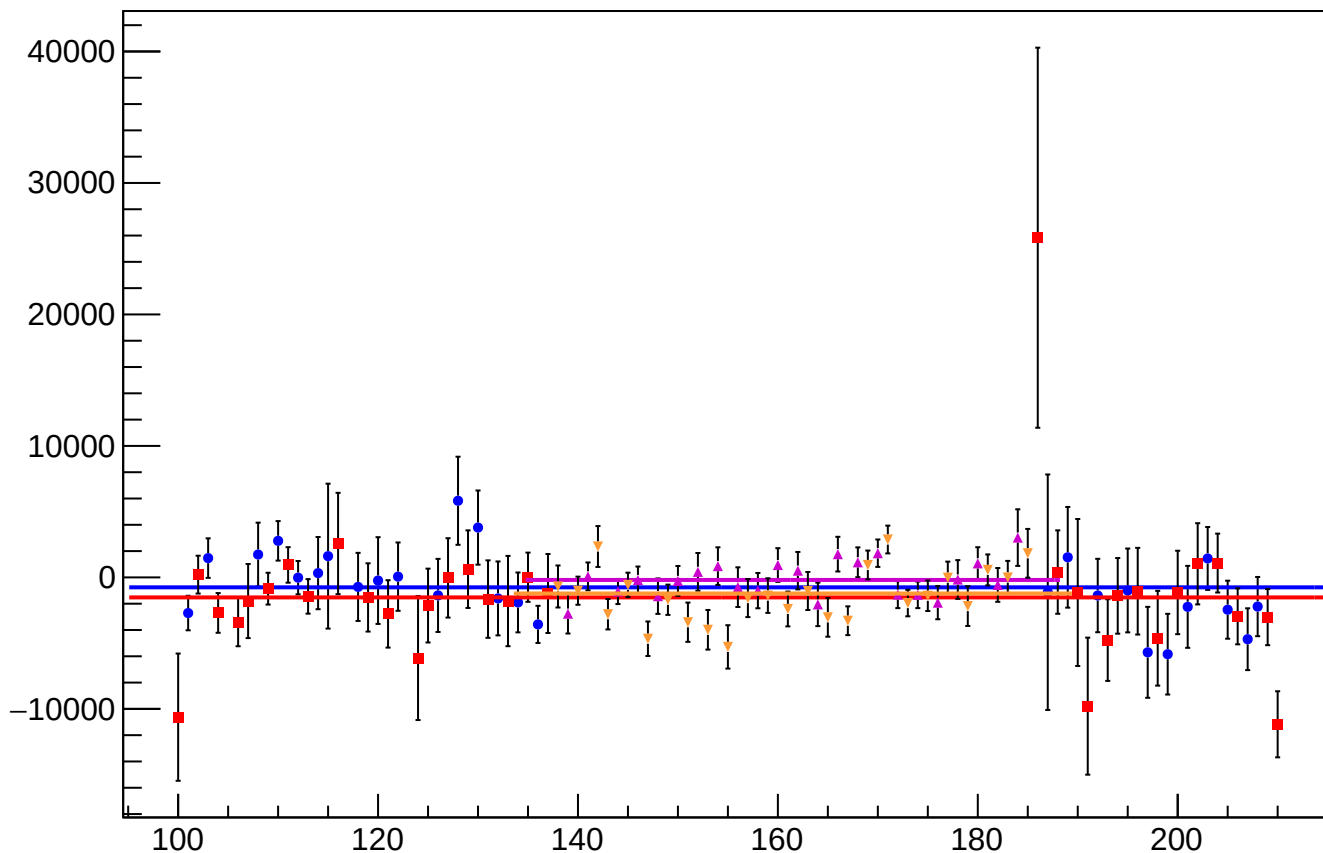
Left In: 144.170+/-0.024 χ^2/NDF : 702713.8/22

+ sign 147.395+/-0.018 χ^2/NDF : 2336837.8/51

All: 147.859+/-0.013 χ^2/NDF : 5583381.3/107

- sign 148.319+/-0.018 χ^2/NDF : 3245212.3/55

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -755.738 ± 432.913 χ^2/NDF : 32.7/26

Left Out: -1225.049 ± 251.767 χ^2/NDF : 59.3/24

Right Out: -1522.087 ± 404.021 χ^2/NDF : 40.2/32

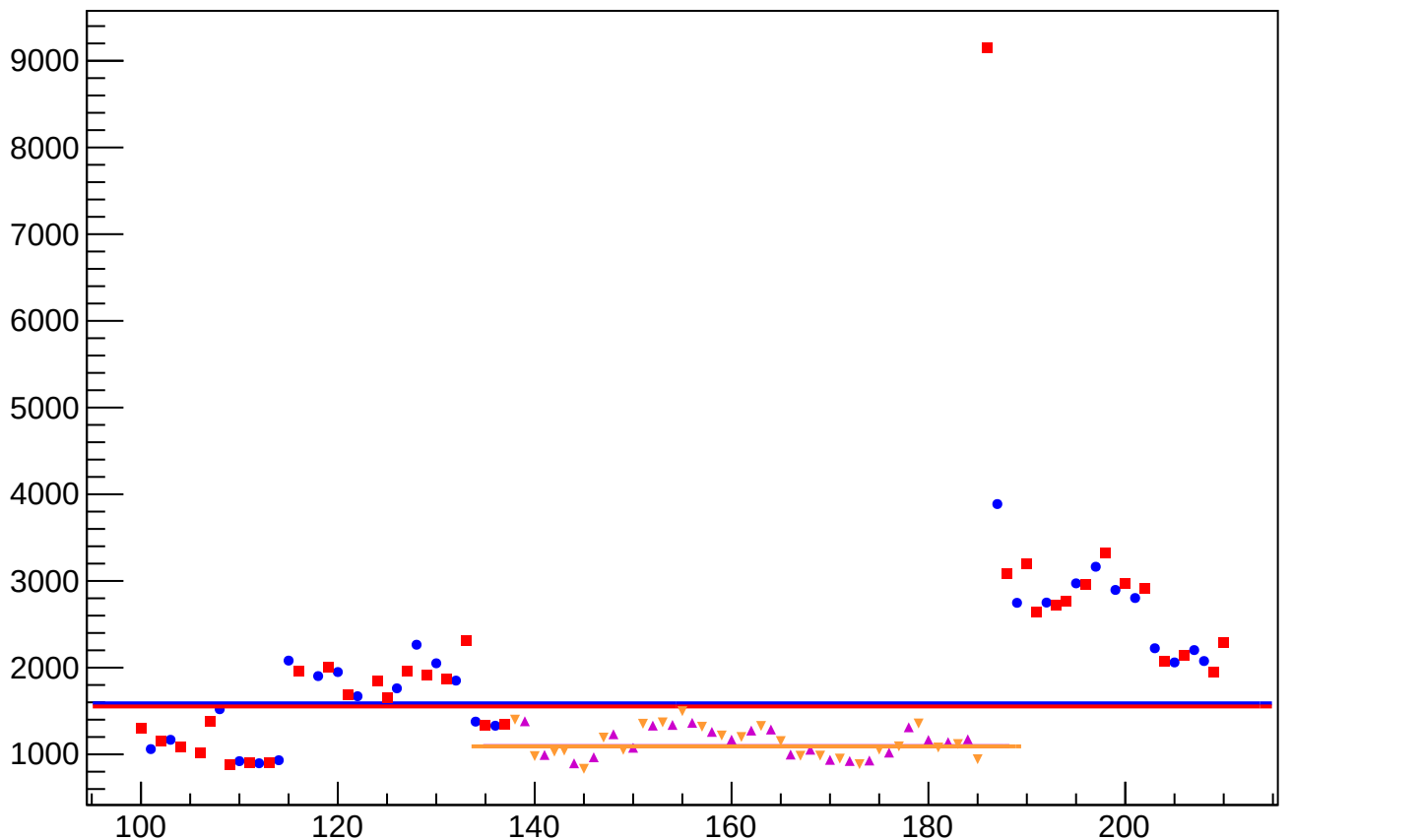
Left In: -193.805 ± 258.922 χ^2/NDF : 23.3/22

+ sign -1106.436 ± 217.638 χ^2/NDF : 92.9/51

All: -843.907 ± 154.020 χ^2/NDF : 167.0/107

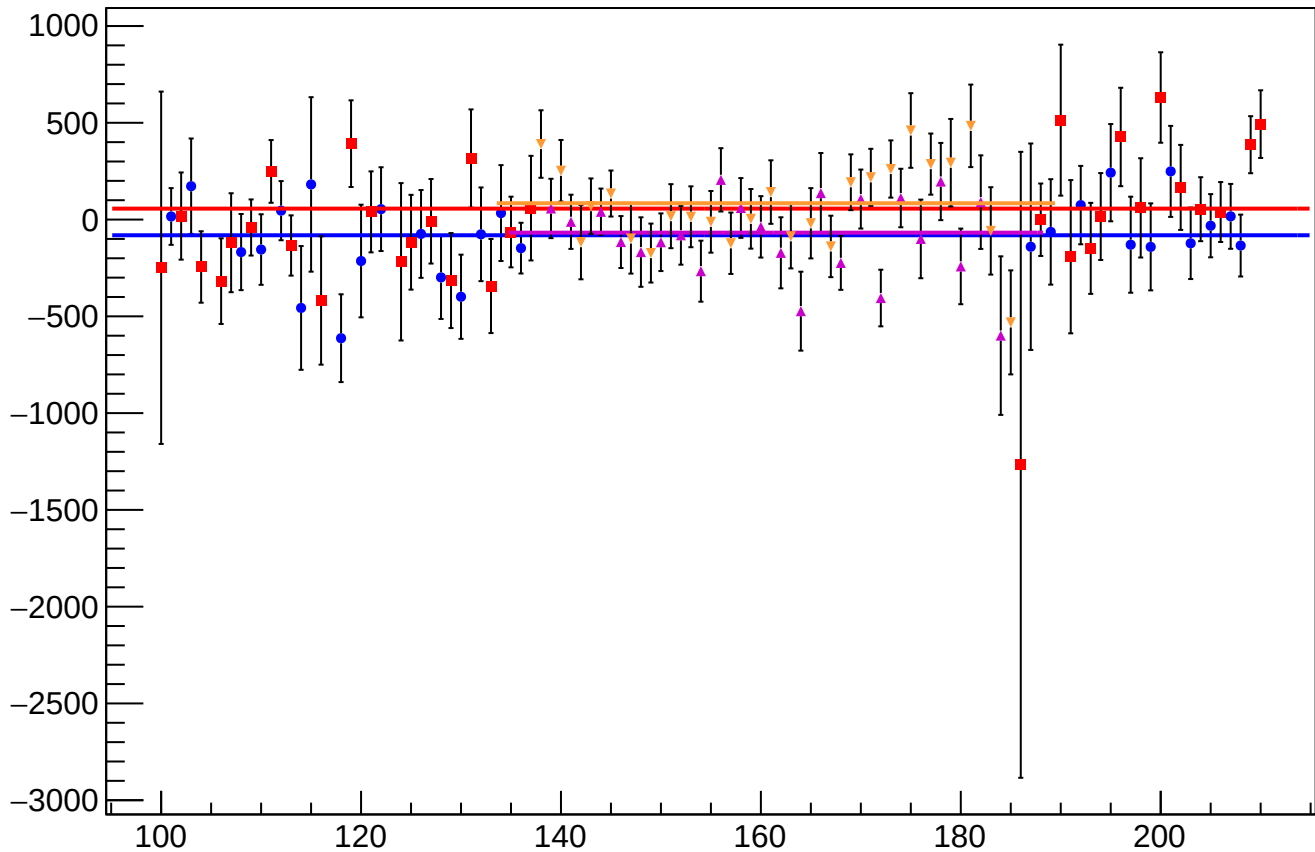
- sign -580.513 ± 217.997 χ^2/NDF : 71.2/55

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1588.354+/-0.306	χ^2/NDF : 4482963.9/26	+ sign 1217.432+/-0.154	χ^2/NDF : 7340220.1/51
Left Out: 1091.980+/-0.178	χ^2/NDF : 892442.4/24	All: 1222.602+/-0.109	χ^2/NDF : 16372879.2/101
Right Out: 1552.380+/-0.286	χ^2/NDF : 6476340.5/32	- sign 1227.789+/-0.154	χ^2/NDF : 9030398.3/55
Left In: 1094.478+/-0.183	χ^2/NDF : 732975.2/22		

cor_asym_sam_48_avg_mean vs Slug



Right In: -81.094 ± 39.657 χ^2/NDF : 18.9/26

Left Out: 84.338 ± 33.036 χ^2/NDF : 33.8/24

Right Out: 56.585 ± 37.583 χ^2/NDF : 44.4/32

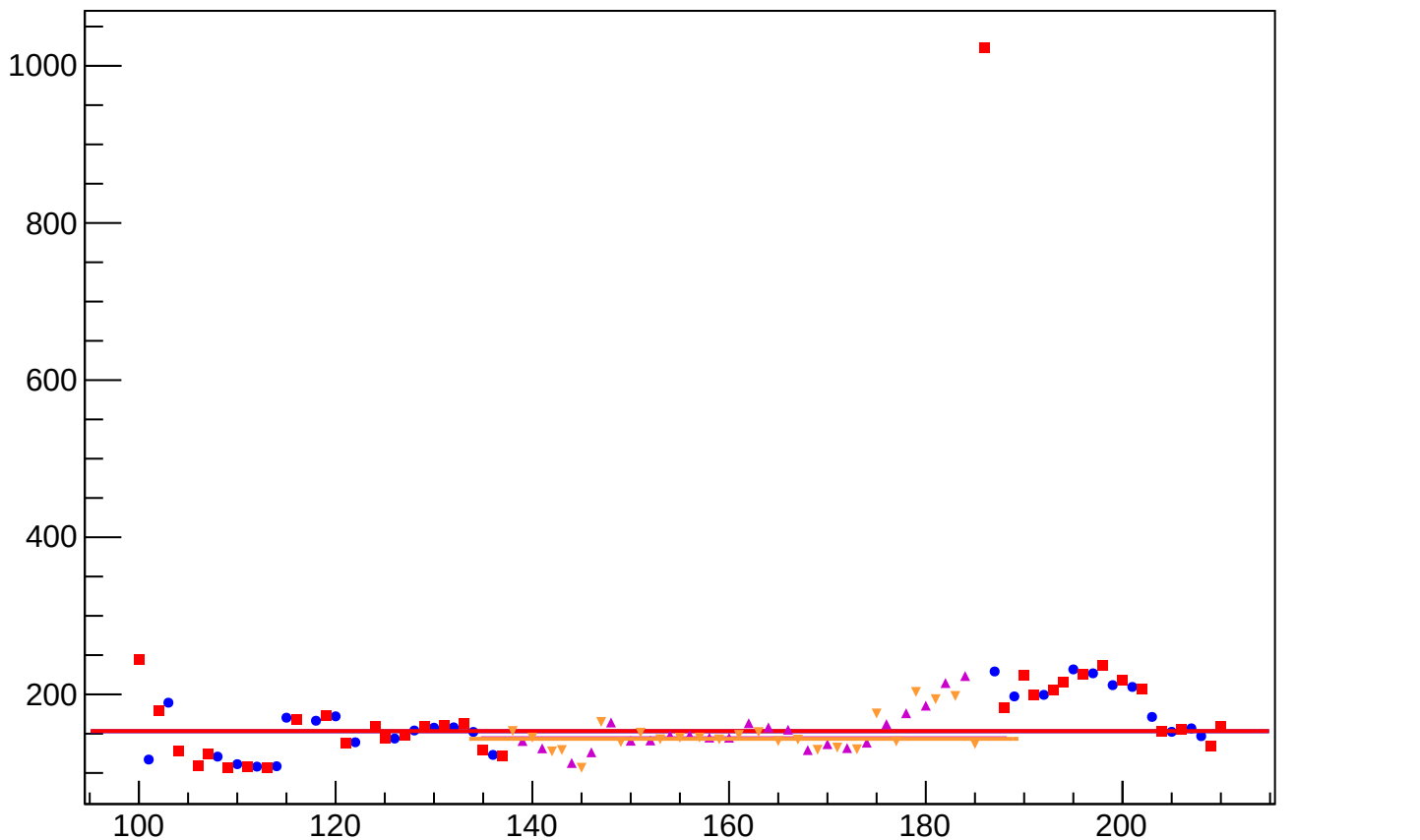
Left In: -67.648 ± 34.137 χ^2/NDF : 26.5/22

+ sign 16.566 ± 25.382 χ^2/NDF : 63.0/51

All: 2.477 ± 17.908 χ^2/NDF : 140.5/107

- sign -11.486 ± 25.269 χ^2/NDF : 76.9/55

cor_asym_sam_48_avg_rms vs Slug



Right In: 153.089 $\pm$ 0.028 χ^2 /NDF: 1519952.9/26

Left Out: 143.444 $\pm$ 0.023 χ^2 /NDF: 747040.9/24

Right Out: 153.309 $\pm$ 0.027 χ^2 /NDF: 2482546.1/32

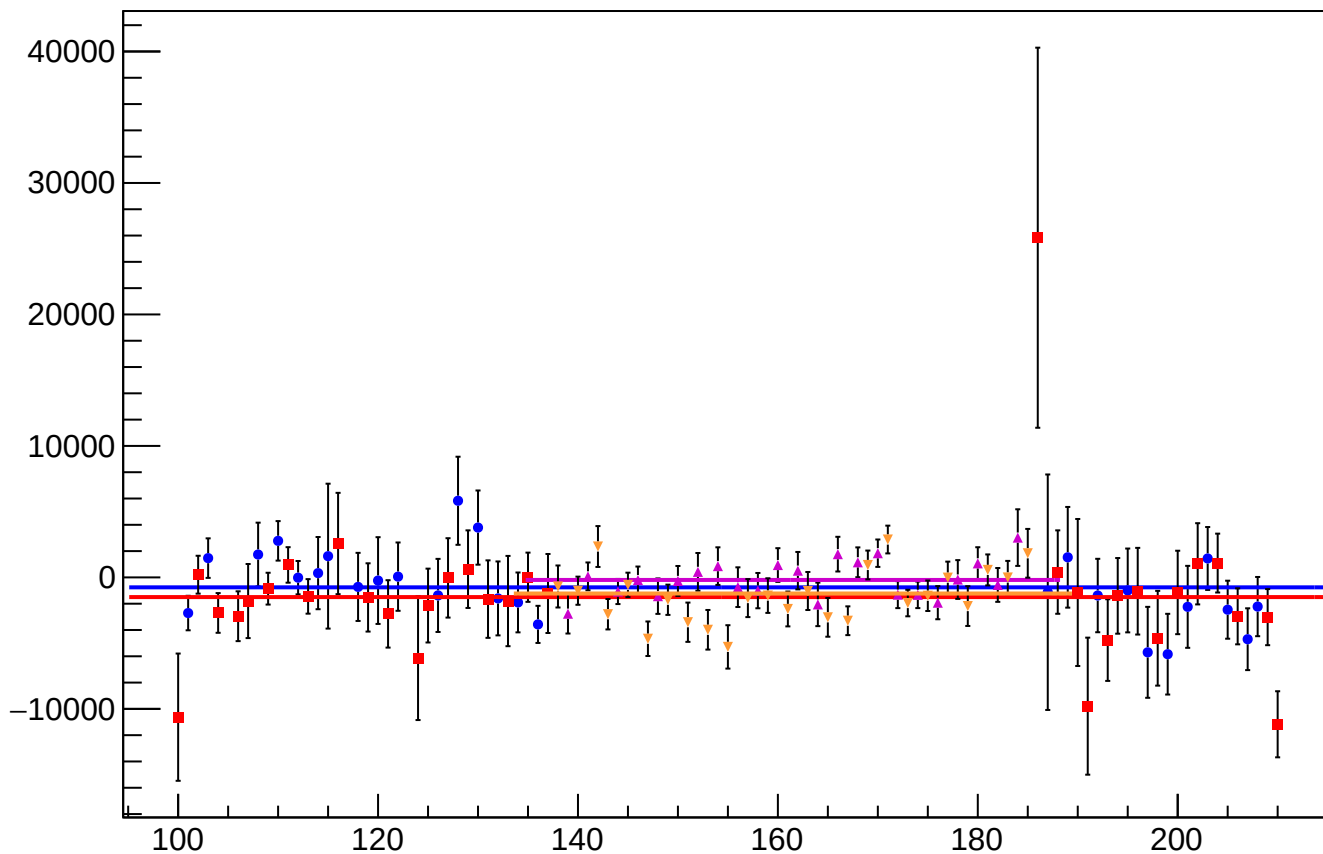
Left In: 144.170 $\pm$ 0.024 χ^2 /NDF: 702713.8/22

+ sign 147.395 $\pm$ 0.018 χ^2 /NDF: 2336840.4/51

All: 147.850 $\pm$ 0.013 χ^2 /NDF: 5588180.8/107

- sign 148.302 $\pm$ 0.018 χ^2 /NDF: 3250058.1/55

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -755.796 ± 432.916 χ^2/NDF : 32.7/26

Left Out: -1225.031 ± 251.767 χ^2/NDF : 59.3/24

Right Out: -1497.016 ± 404.614 χ^2/NDF : 39.7/32

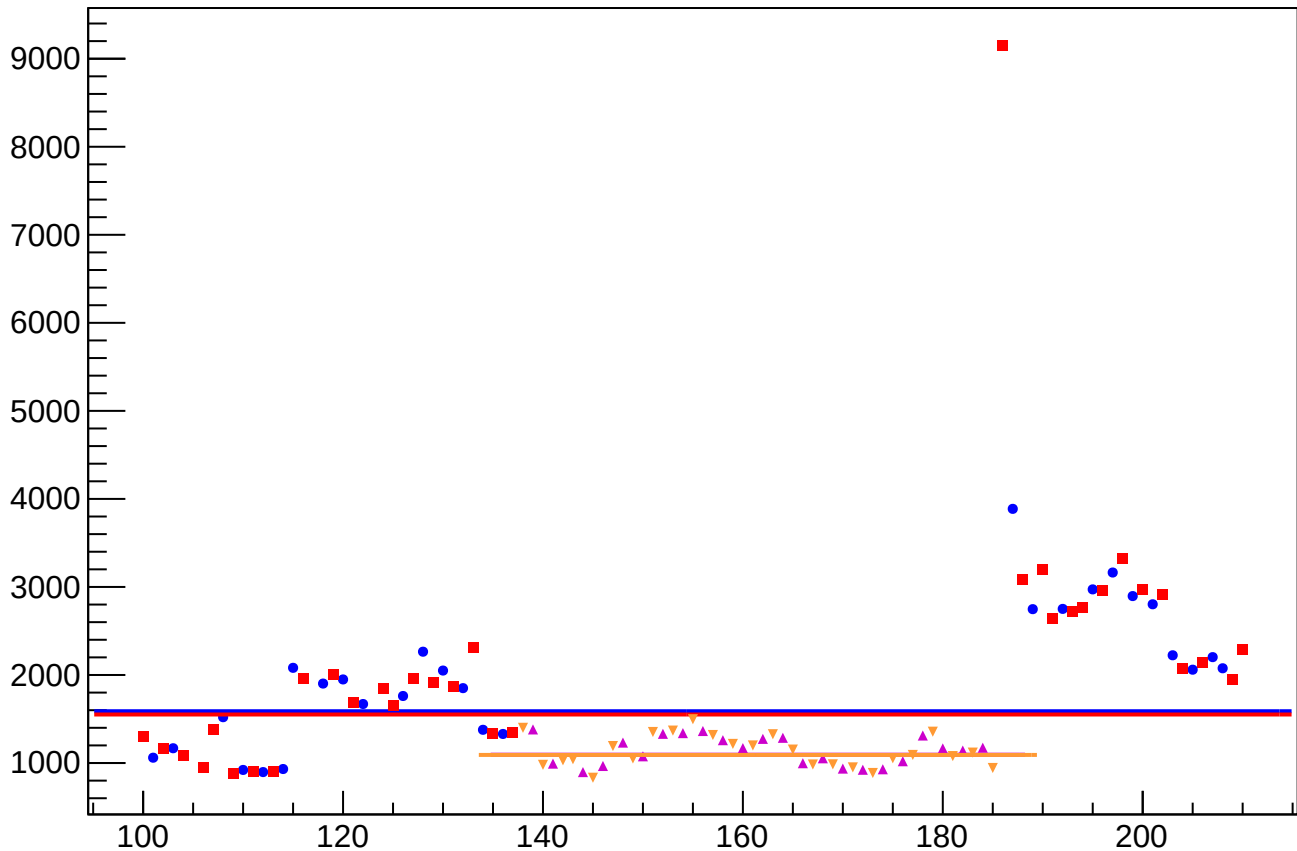
Left In: -193.808 ± 258.922 χ^2/NDF : 23.3/22

+ sign -1106.439 ± 217.639 χ^2/NDF : 92.9/51

All: -839.987 ± 154.053 χ^2/NDF : 166.3/107

- sign -572.429 ± 218.090 χ^2/NDF : 70.4/55

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1588.369+/-0.306 χ^2/NDF : 4482860.2/26

Left Out: 1091.979+/-0.178 χ^2/NDF : 892441.9/24

Right Out: 1551.168+/-0.286 χ^2/NDF : 6504802.9/32

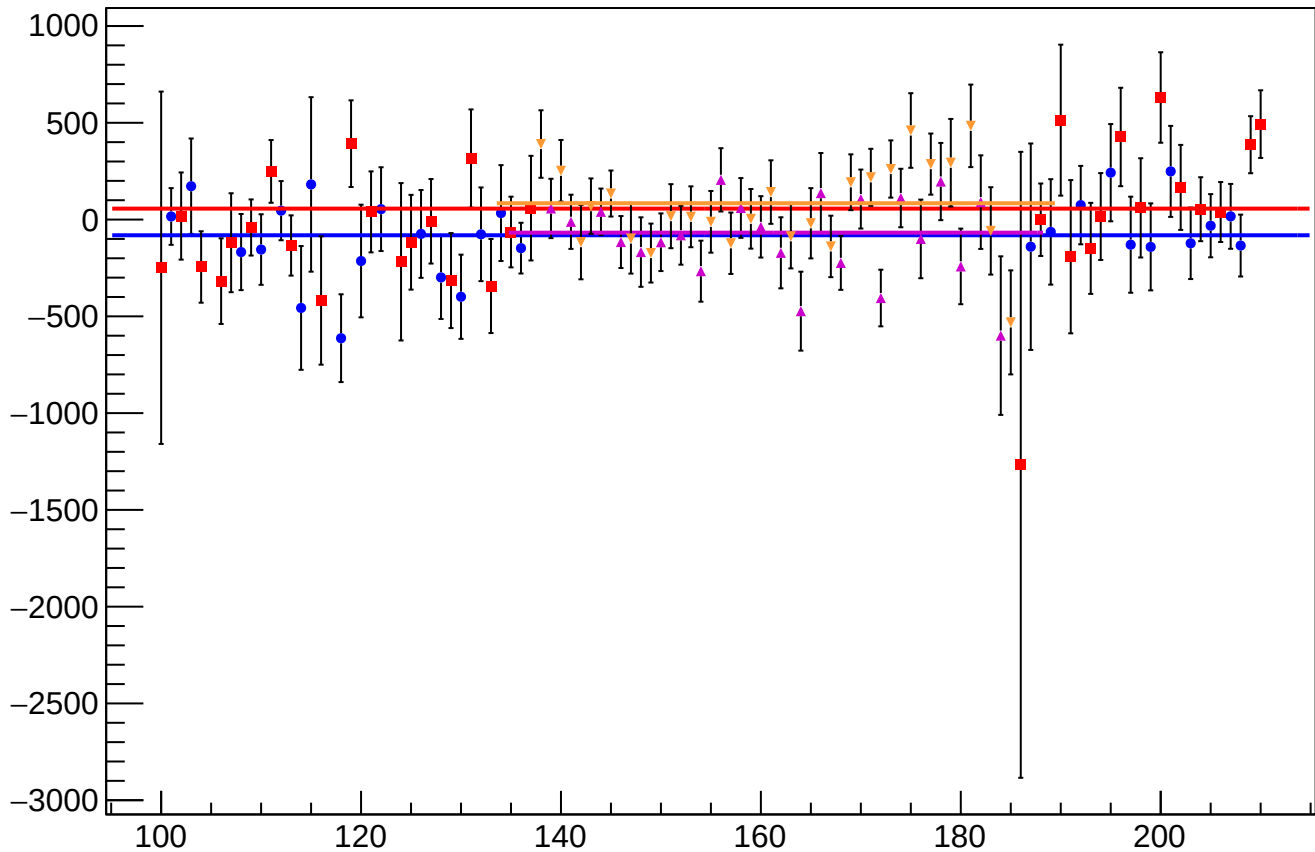
Left In: 1094.479+/-0.183 χ^2/NDF : 732975.7/22

+ sign 1217.434+/-0.154 χ^2/NDF : 7340210.2/51

All: 1222.287+/-0.109 χ^2/NDF : 16387675.3/101

- sign 1227.160+/-0.154 χ^2/NDF : 9045472.3/55

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -81.094 $\pm$ 39.657 χ^2 /NDF: 18.9/26

Left Out: 84.338 $\pm$ 33.036 χ^2 /NDF: 33.8/24

Right Out: 56.585 $\pm$ 37.583 χ^2 /NDF: 44.4/32

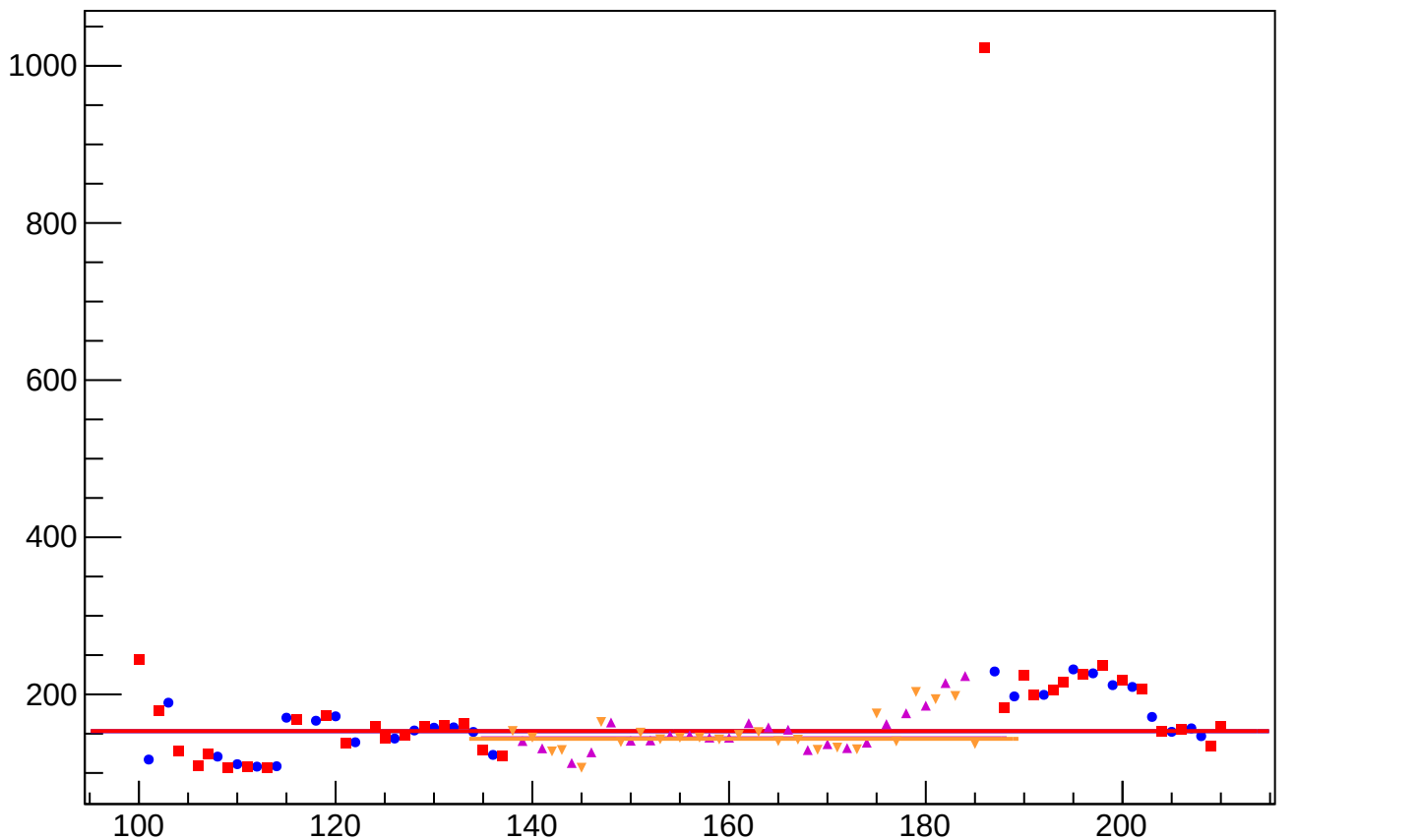
Left In: -67.648 $\pm$ 34.137 χ^2 /NDF: 26.5/22

+ sign 16.566 $\pm$ 25.382 χ^2 /NDF: 63.0/51

All: 2.477 $\pm$ 17.908 χ^2 /NDF: 140.5/107

- sign -11.486 $\pm$ 25.269 χ^2 /NDF: 76.9/55

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 153.089 $\pm$ 0.028 χ^2 /NDF: 1519952.9/26

Left Out: 143.444 $\pm$ 0.023 χ^2 /NDF: 747040.9/24

Right Out: 153.309 $\pm$ 0.027 χ^2 /NDF: 2482546.1/32

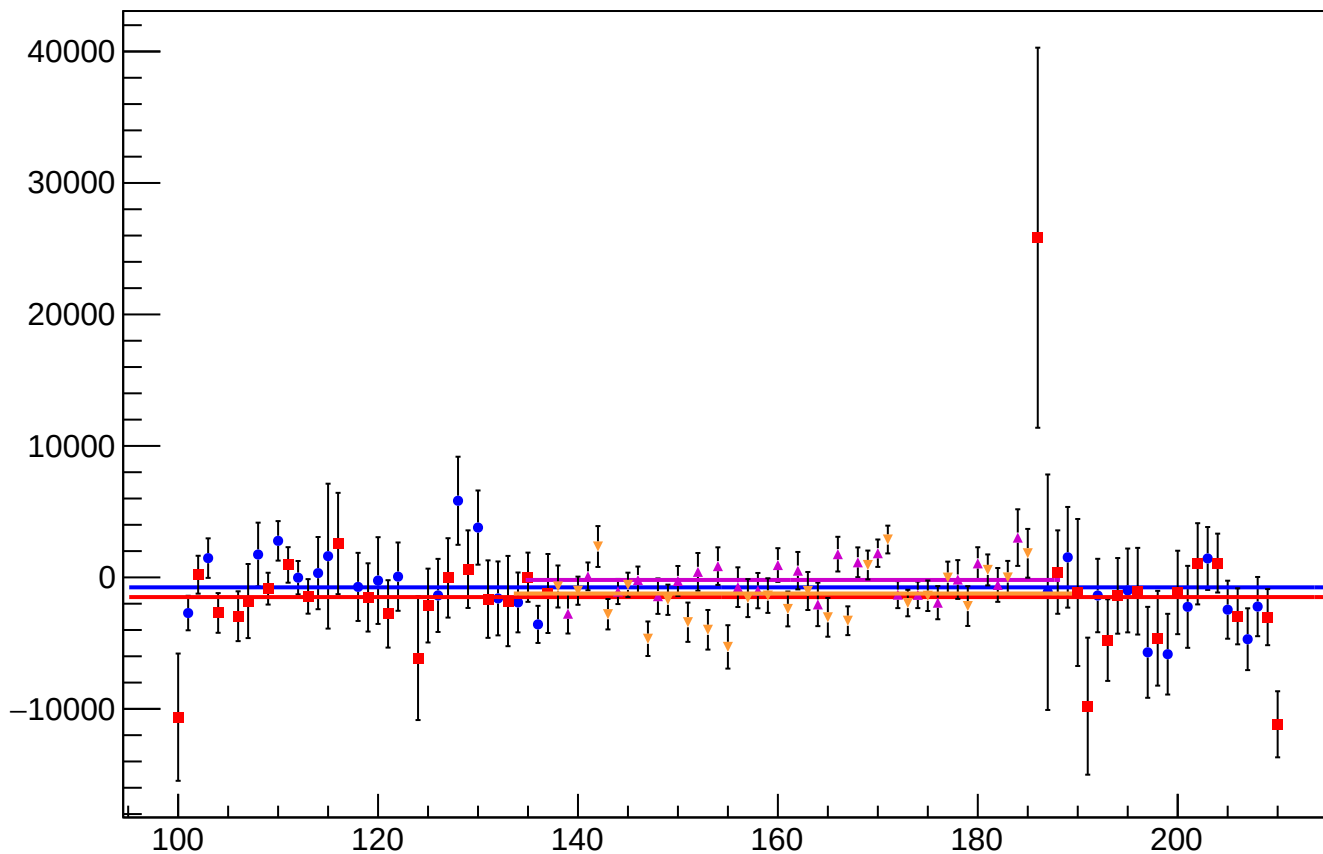
Left In: 144.170 $\pm$ 0.024 χ^2 /NDF: 702713.8/22

+ sign 147.395 $\pm$ 0.018 χ^2 /NDF: 2336840.4/51

All: 147.850 $\pm$ 0.013 χ^2 /NDF: 5588180.8/107

- sign 148.302 $\pm$ 0.018 χ^2 /NDF: 3250058.1/55

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -755.796 ± 432.916 χ^2/NDF : 32.7/26

Left Out: -1225.031 ± 251.767 χ^2/NDF : 59.3/24

Right Out: -1497.016 ± 404.614 χ^2/NDF : 39.7/32

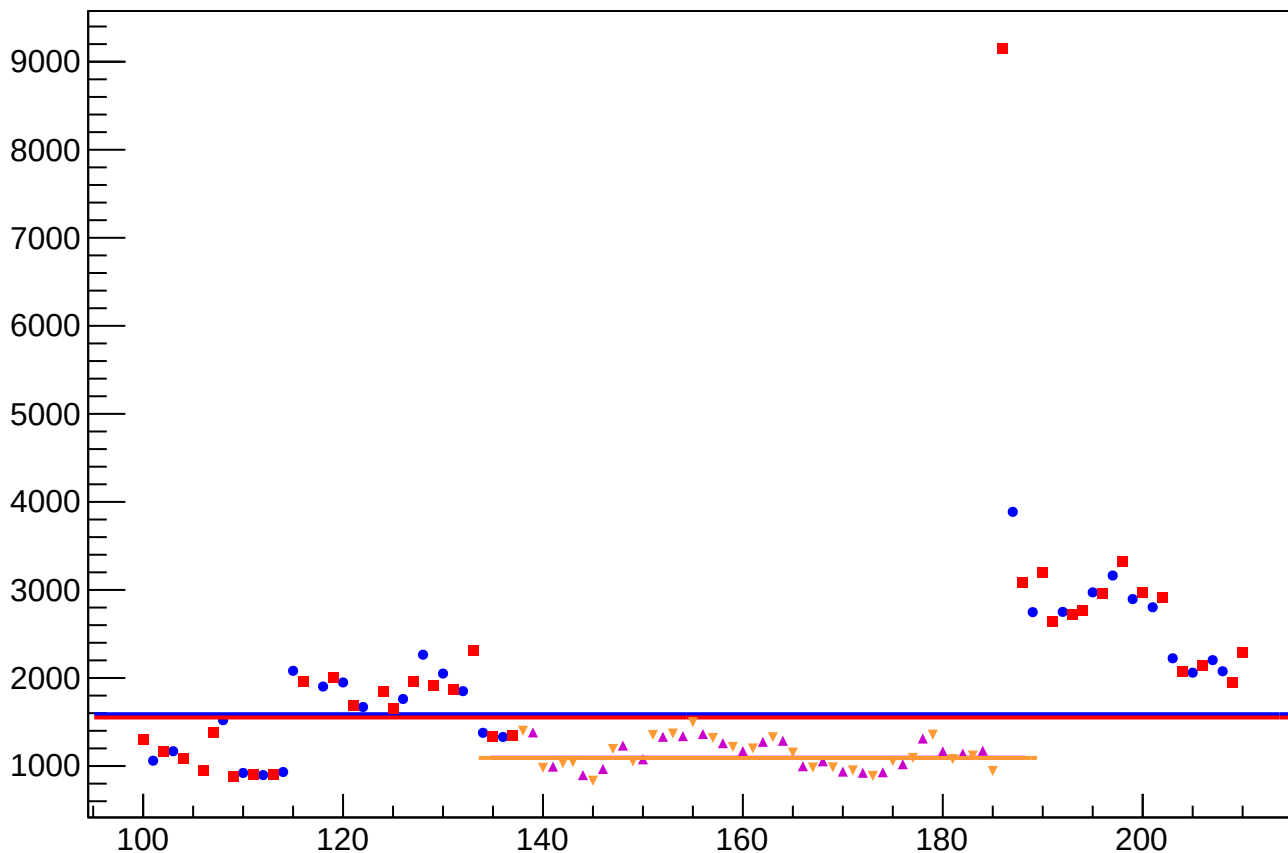
Left In: -193.808 ± 258.922 χ^2/NDF : 23.3/22

+ sign -1106.439 ± 217.639 χ^2/NDF : 92.9/51

All: -839.987 ± 154.053 χ^2/NDF : 166.3/107

- sign -572.429 ± 218.090 χ^2/NDF : 70.4/55

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1588.369+/-0.306 χ^2/NDF : 4482860.2/26

Left Out: 1091.979+/-0.178 χ^2/NDF : 892441.9/24

Right Out: 1551.168+/-0.286 χ^2/NDF : 6504802.9/32

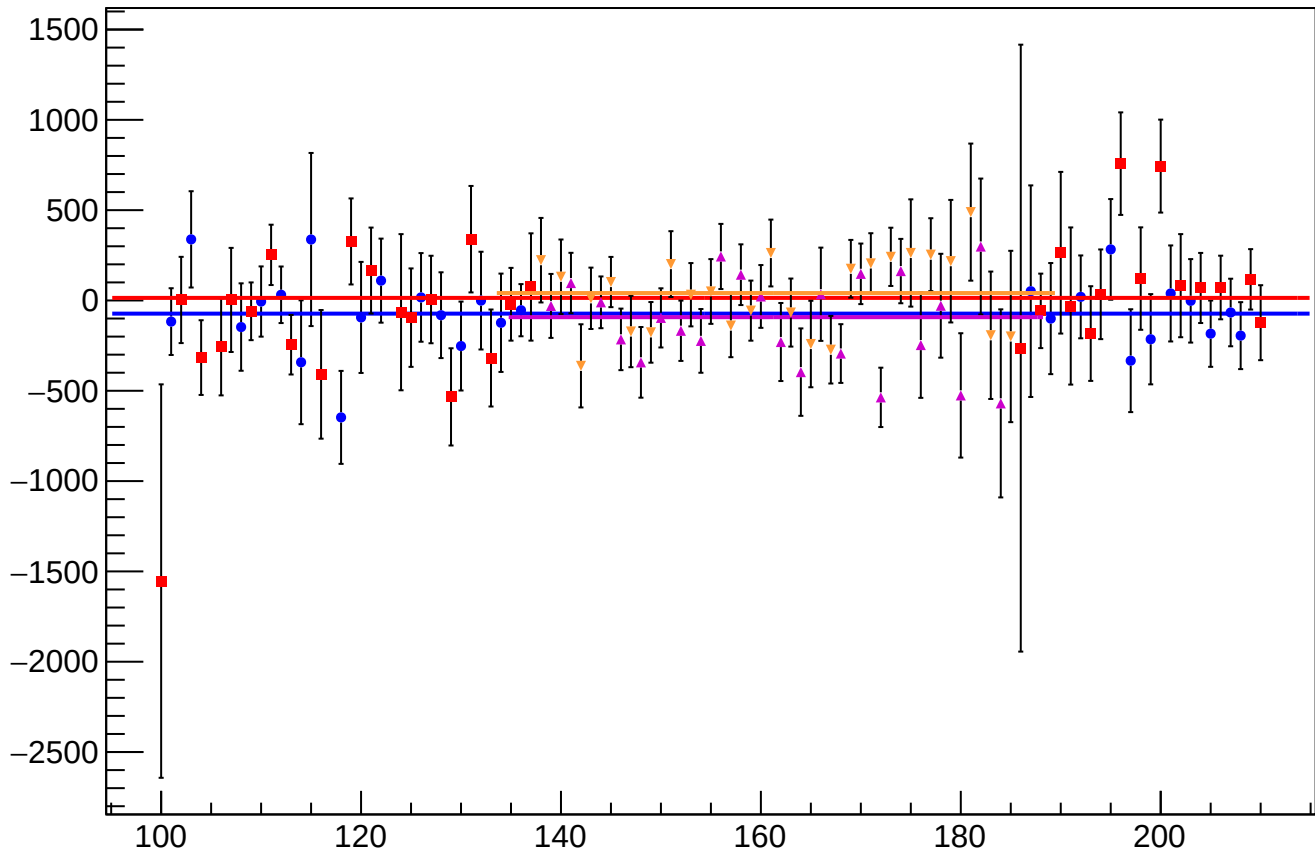
Left In: 1094.479+/-0.183 χ^2/NDF : 732975.7/22

+ sign 1217.434+/-0.154 χ^2/NDF : 7340210.2/51

All: 1222.287+/-0.109 χ^2/NDF : 16387675.3/101

- sign 1227.160+/-0.154 χ^2/NDF : 9045472.3/55

dit_asym_sam_48_avg_mean vs Slug



Right In: -72.865 ± 44.513 χ^2/NDF : 14.9/26

Left Out: 41.086 ± 39.177 χ^2/NDF : 22.3/24

Right Out: 14.249 ± 41.937 χ^2/NDF : 38.2/32

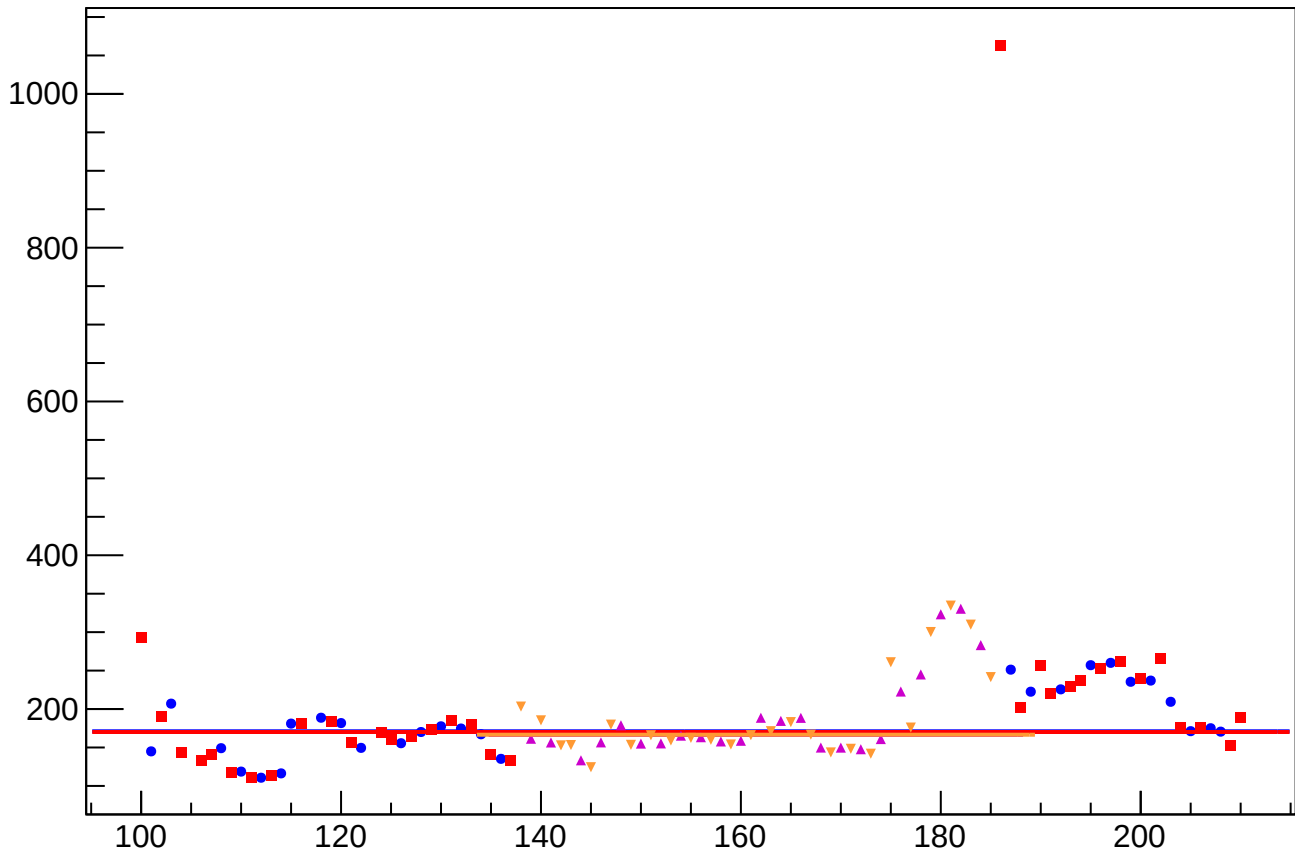
Left In: -92.556 ± 40.165 χ^2/NDF : 29.5/22

+ sign -8.654 ± 29.409 χ^2/NDF : 40.9/51

All: -25.281 ± 20.652 χ^2/NDF : 112.7/107

- sign -41.457 ± 29.007 χ^2/NDF : 71.1/55

dit_asym_sam_48_avg_rms vs Slug



Right In: 171.053+/-0.031 χ^2/NDF : 1654340.5/26

Left Out: 166.599+/-0.028 χ^2/NDF : 1719835.6/24

Right Out: 170.149+/-0.030 χ^2/NDF : 2683392.4/32

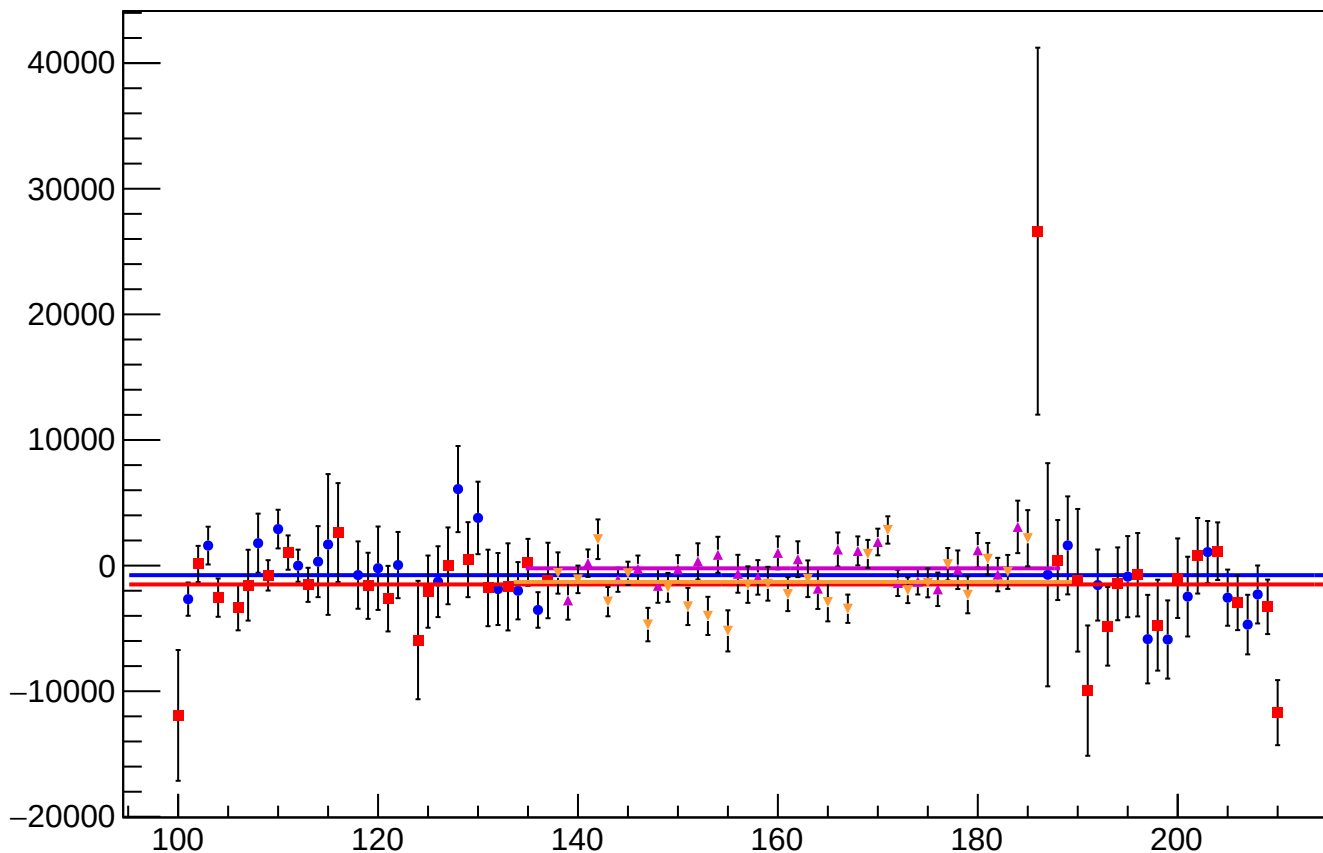
Left In: 166.308+/-0.028 χ^2/NDF : 1392466.3/22

+ sign 168.543+/-0.021 χ^2/NDF : 3385459.9/51

All: 168.342+/-0.015 χ^2/NDF : 7470253.9/107

- sign 168.146+/-0.021 χ^2/NDF : 4084609.3/55

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -761.101 ± 437.934 χ^2/NDF : 32.9/26

Left Out: -1298.333 ± 256.961 χ^2/NDF : 55.1/24

Right Out: -1499.123 ± 407.977 χ^2/NDF : 41.7/32

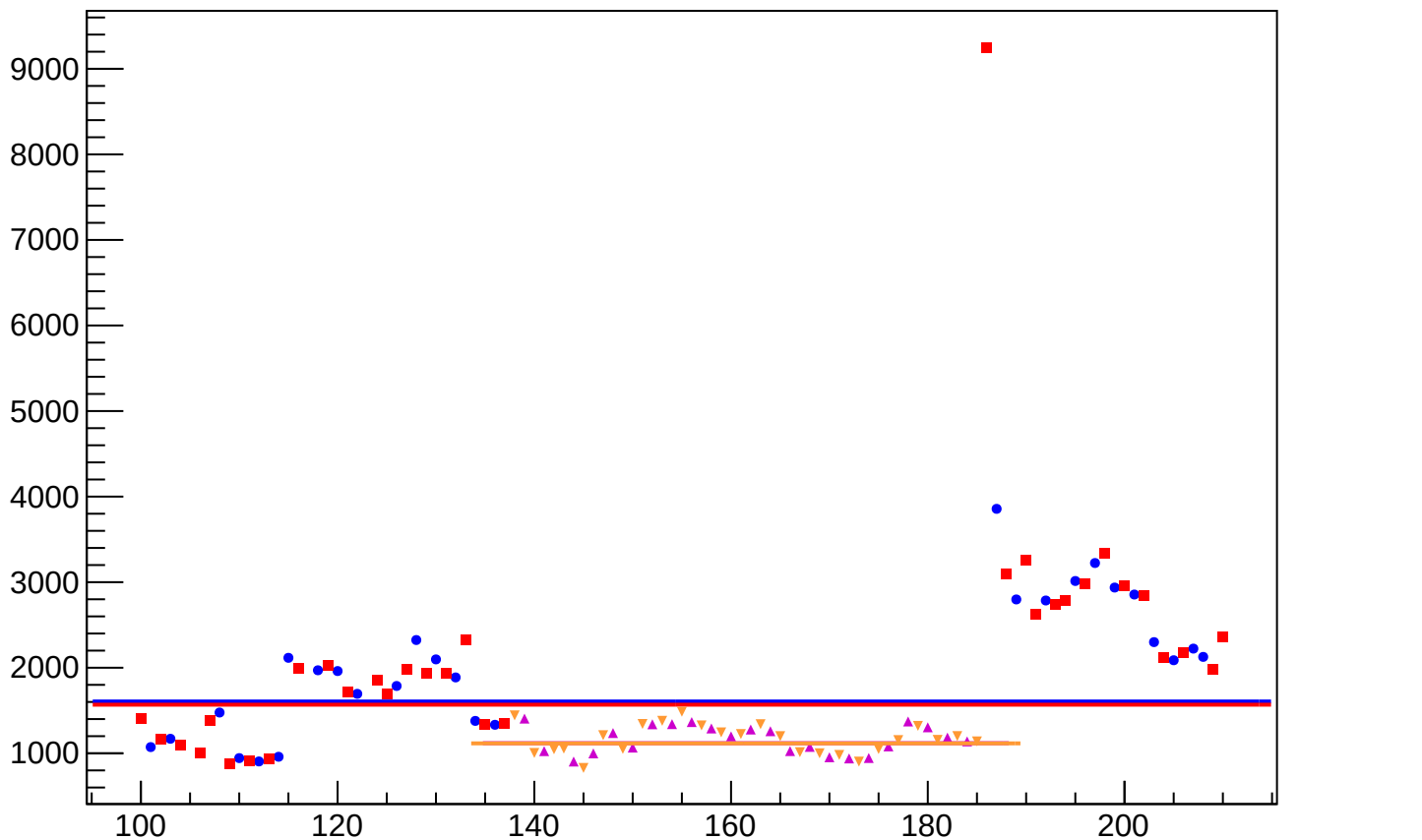
Left In: -217.285 ± 264.388 χ^2/NDF : 22.2/22

+ sign -1160.742 ± 221.627 χ^2/NDF : 89.1/51

All: -878.882 ± 156.800 χ^2/NDF : 163.3/107

- sign -596.397 ± 221.872 χ^2/NDF : 70.9/55

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1605.521+/-0.310 χ^2/NDF : 4549142.0/26

Left Out: 1116.034+/-0.182 χ^2/NDF : 867489.3/24

Right Out: 1568.154+/-0.288 χ^2/NDF : 6474157.4/32

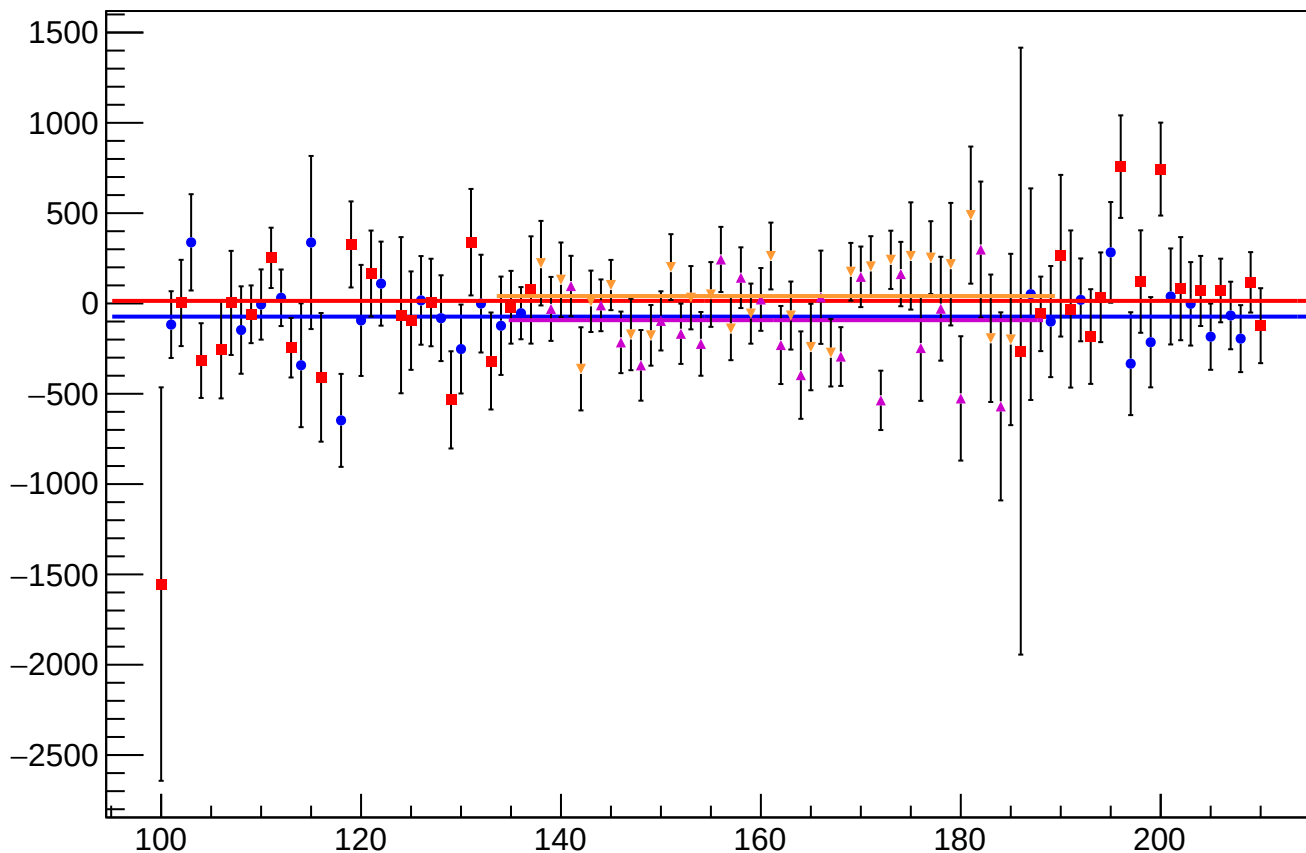
Left In: 1117.831+/-0.187 χ^2/NDF : 729387.1/22

+ sign 1241.397+/-0.157 χ^2/NDF : 7275315.3/51

All: 1246.201+/-0.111 χ^2/NDF : 16196785.3/1

- sign 1251.017+/-0.157 χ^2/NDF : 8919587.7/55

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -72.863 ± 44.512 χ^2/NDF : 14.9/26

Left Out: 41.088 ± 39.177 χ^2/NDF : 22.3/24

Right Out: 14.251 ± 41.937 χ^2/NDF : 38.2/32

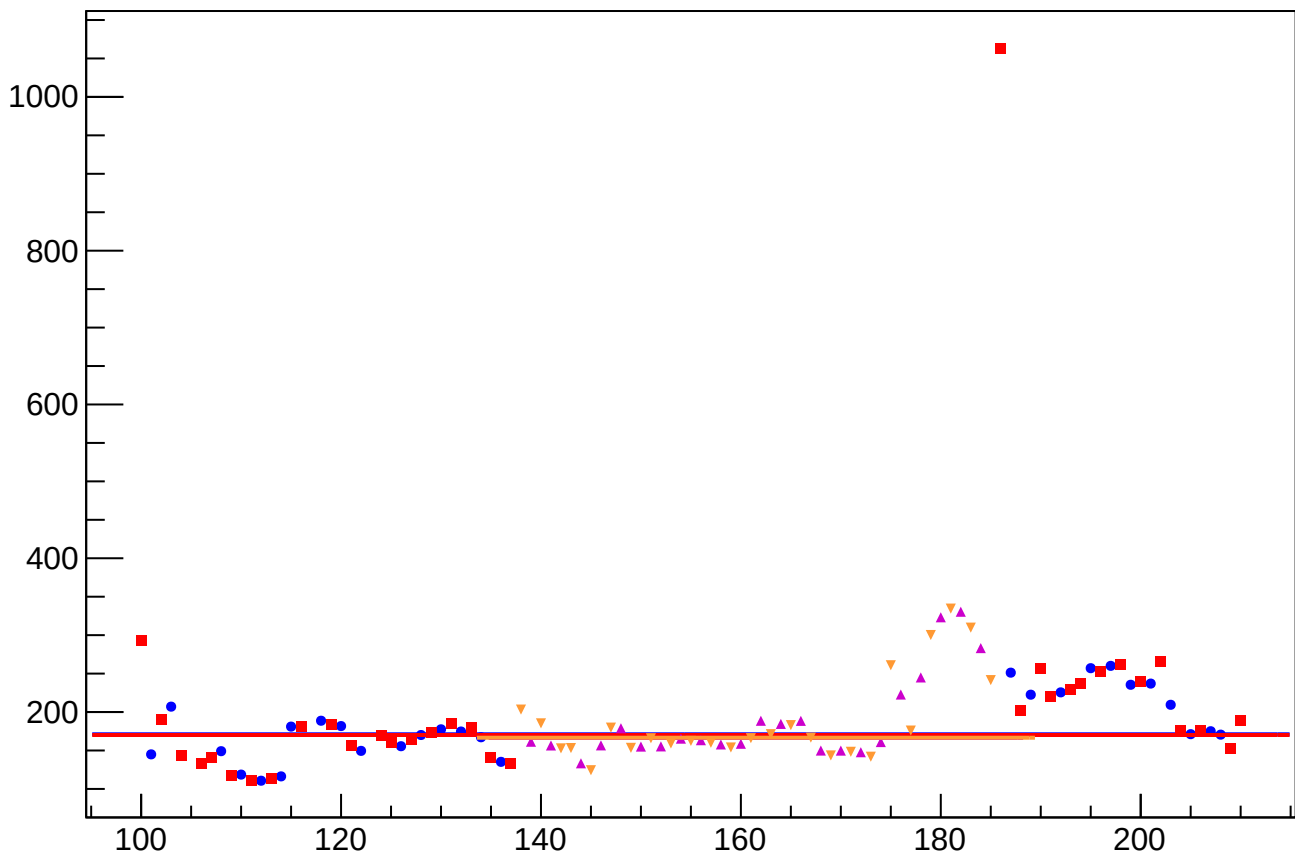
Left In: -92.556 ± 40.165 χ^2/NDF : 29.5/22

+ sign -8.652 ± 29.409 χ^2/NDF : 40.9/51

All: -25.279 ± 20.652 χ^2/NDF : 112.7/107

- sign -41.456 ± 29.007 χ^2/NDF : 71.1/55

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 171.052+/-0.031 χ^2/NDF : 1654328.5/26

Left Out: 166.599+/-0.028 χ^2/NDF : 1719829.4/24

Right Out: 170.149+/-0.030 χ^2/NDF : 2683397.4/32

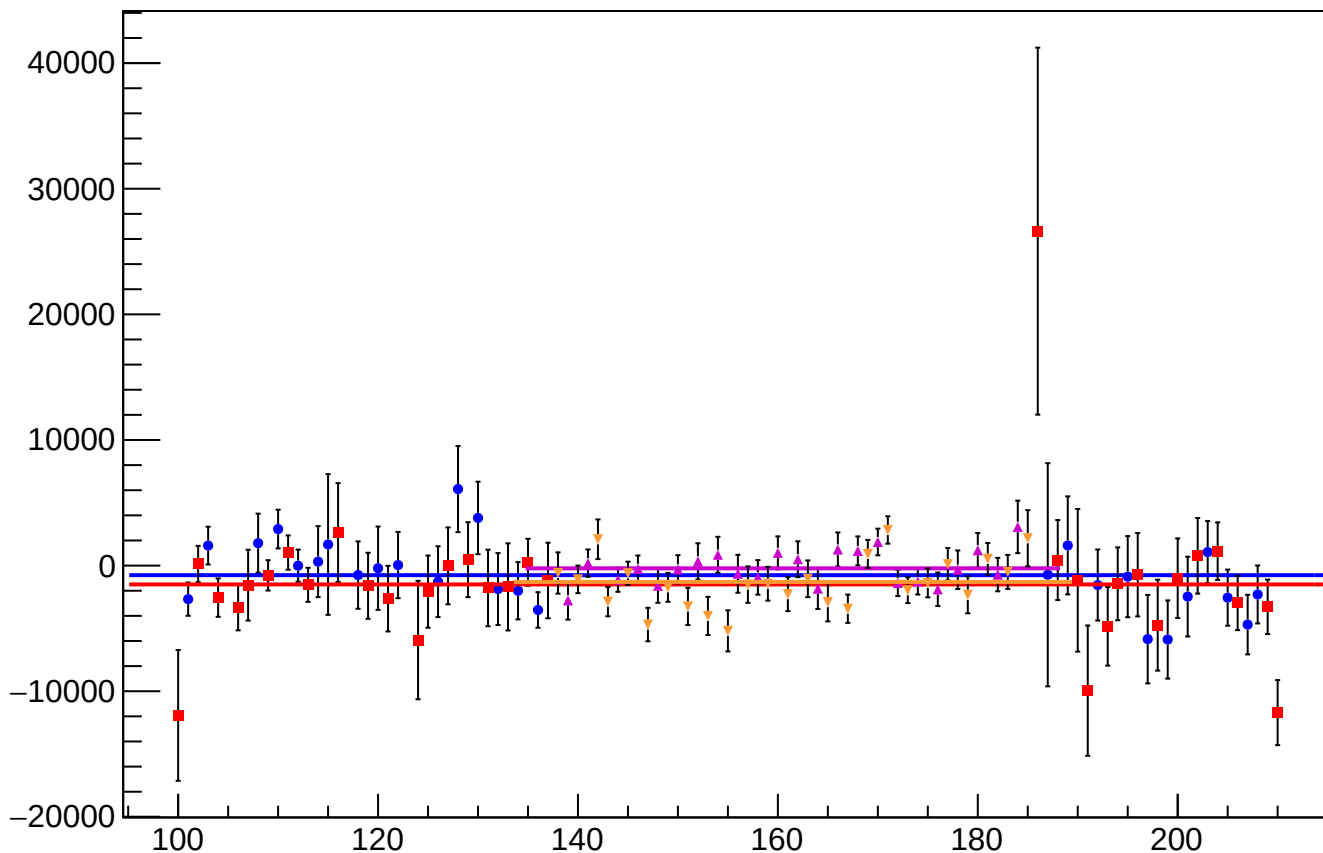
Left In: 166.308+/-0.028 χ^2/NDF : 1392446.1/22

+ sign 168.543+/-0.021 χ^2/NDF : 3385440.1/51

All: 168.342+/-0.015 χ^2/NDF : 7470217.6/107

- sign 168.146+/-0.021 χ^2/NDF : 4084592.8/55

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -761.099 ± 437.933 χ^2/NDF : 32.9/26

Left Out: -1298.330 ± 256.961 χ^2/NDF : 55.1/24

Right Out: -1499.120 ± 407.977 χ^2/NDF : 41.7/32

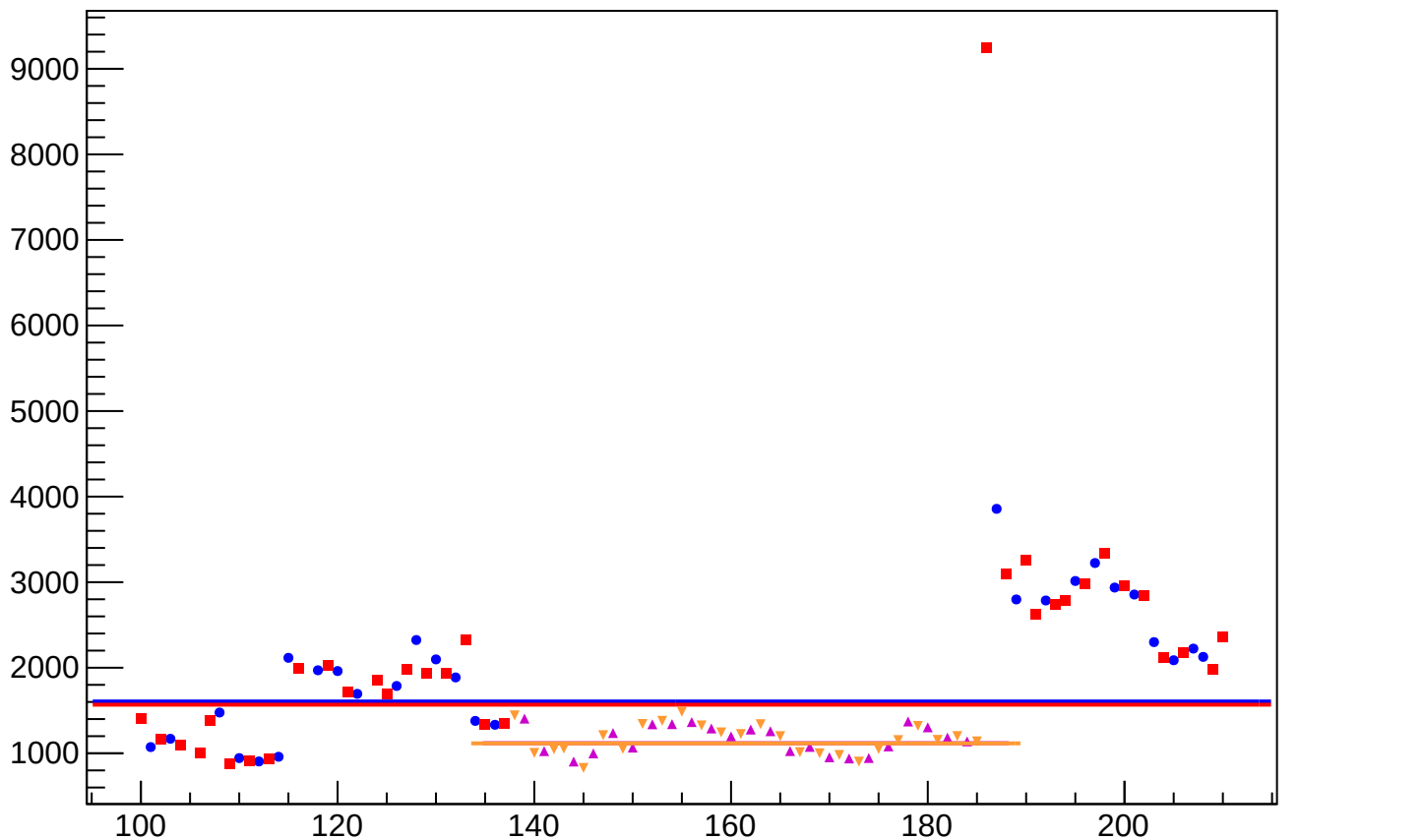
Left In: -217.283 ± 264.388 χ^2/NDF : 22.2/22

+ sign -1160.740 ± 221.626 χ^2/NDF : 89.1/51

All: -878.880 ± 156.800 χ^2/NDF : 163.3/107

- sign -596.395 ± 221.872 χ^2/NDF : 70.9/55

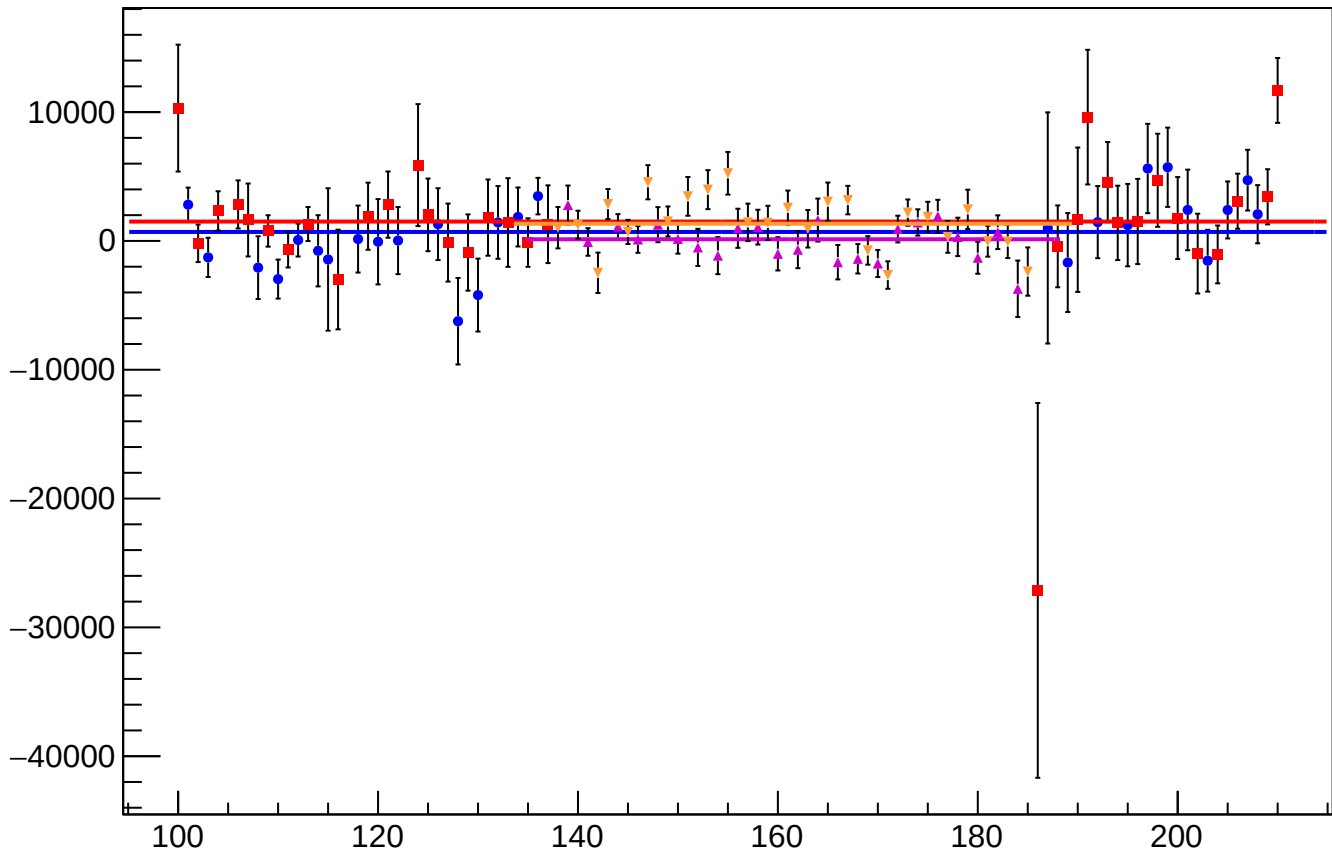
asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1605.520+/-0.310 χ^2/NDF : 4549144.8/26
 Left Out: 1116.032+/-0.182 χ^2/NDF : 867491.2/24
 Right Out: 1568.152+/-0.288 χ^2/NDF : 6474157.6/32
 Left In: 1117.829+/-0.187 χ^2/NDF : 729386.0/22

+ sign 1241.394+/-0.157 χ^2/NDF : 7275326.7/51
 All: 1246.199+/-0.111 χ^2/NDF : 16196802.5/1
 - sign 1251.015+/-0.157 χ^2/NDF : 8919593.4/55

asym_sam_48_avg_mean vs Slug



Right In: 696.937 ± 435.616 χ^2/NDF : 33.9/26

Left Out: 1334.704 ± 254.187 χ^2/NDF : 55.7/24

Right Out: 1504.011 ± 406.614 χ^2/NDF : 40.6/32

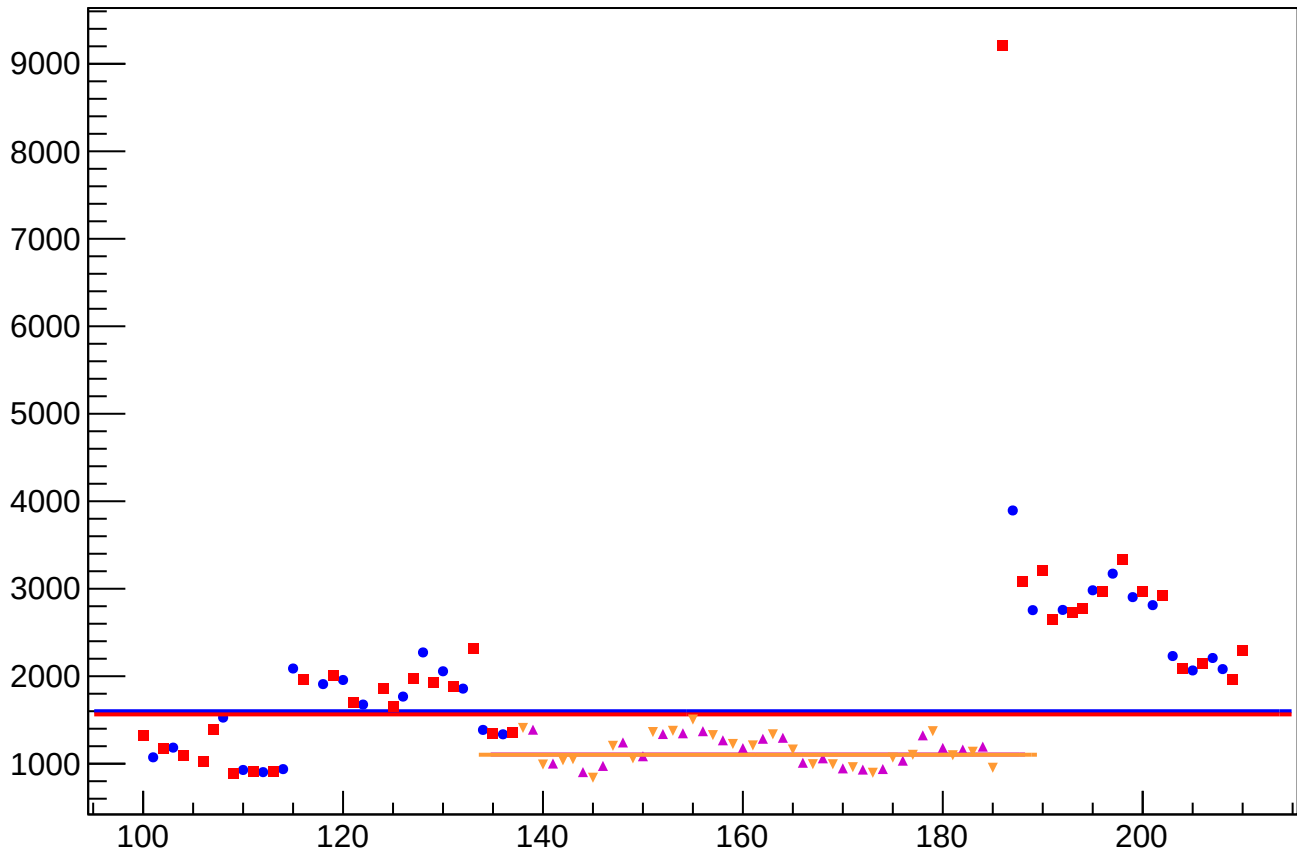
Left In: 128.368 ± 261.415 χ^2/NDF : 24.0/22

+ sign 1172.710 ± 219.544 χ^2/NDF : 91.1/51

All: 852.201 ± 155.364 χ^2/NDF : 168.1/107

- sign 530.677 ± 219.892 χ^2/NDF : 72.7/55

asym_sam_48_avg_rms vs Slug



Right In: 1599.885 $\pm$ 0.308 χ^2 /NDF: 4428269.7/26

Left Out: 1102.700 $\pm$ 0.180 χ^2 /NDF: 880468.6/24

Right Out: 1563.778 $\pm$ 0.288 χ^2 /NDF: 6413336.9/32

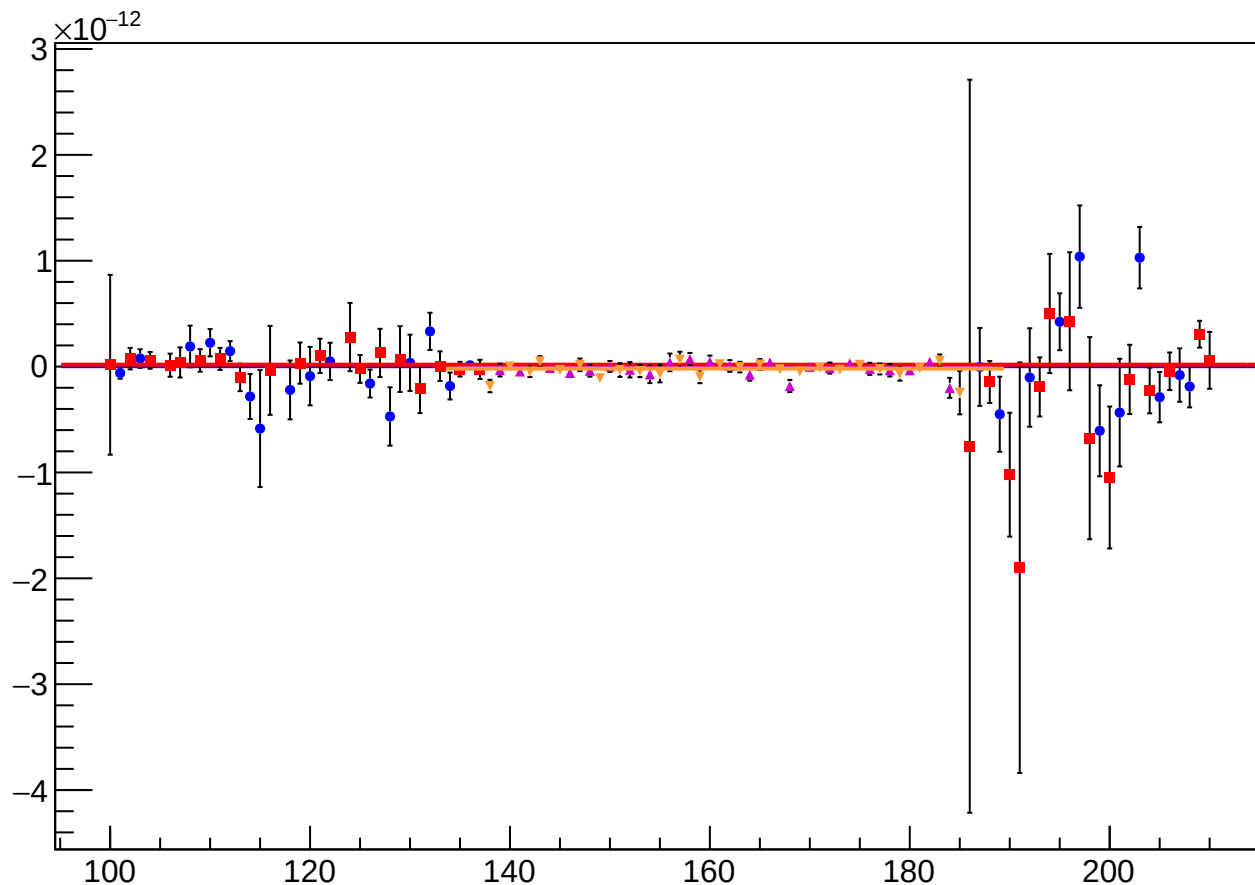
Left In: 1105.200 $\pm$ 0.185 χ^2 /NDF: 723304.5/22

+ sign 1228.986 $\pm$ 0.155 χ^2 /NDF: 7252289.4/51

All: 1234.141 $\pm$ 0.110 χ^2 /NDF: 16191045.1/101

- sign 1239.312 $\pm$ 0.155 χ^2 /NDF: 8936547.1/55

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 48.7/26

Left Out: -0.000+/-0.000 χ^2/NDF : 26.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21.2/32

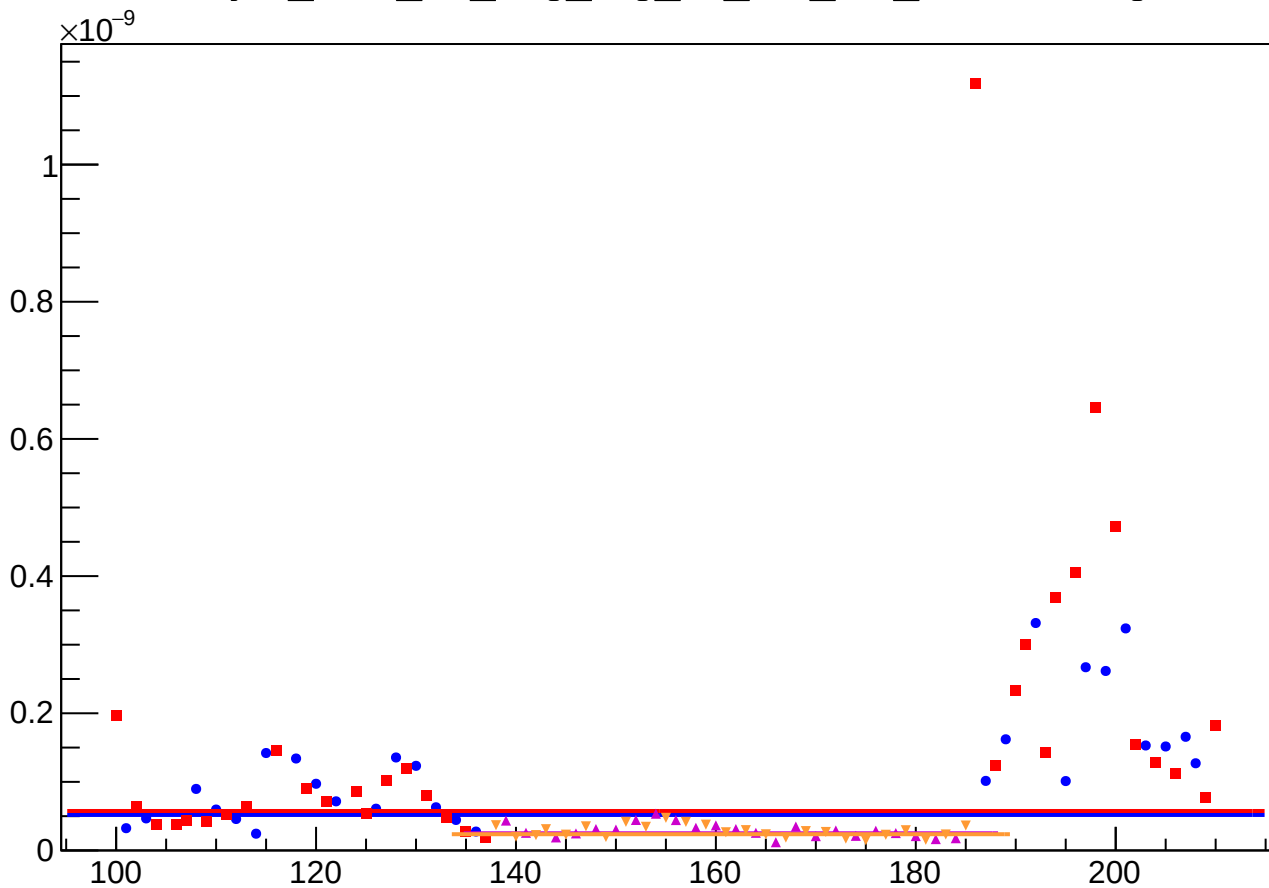
Left In: -0.000+/-0.000 χ^2/NDF : 27.1/22

+ sign -0.000+/-0.000 χ^2/NDF : 75.9/51

All: -0.000+/-0.000 χ^2/NDF : 125.6/107

- sign -0.000+/-0.000 χ^2/NDF : 49.4/55

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5349774.7/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6011415.9/32

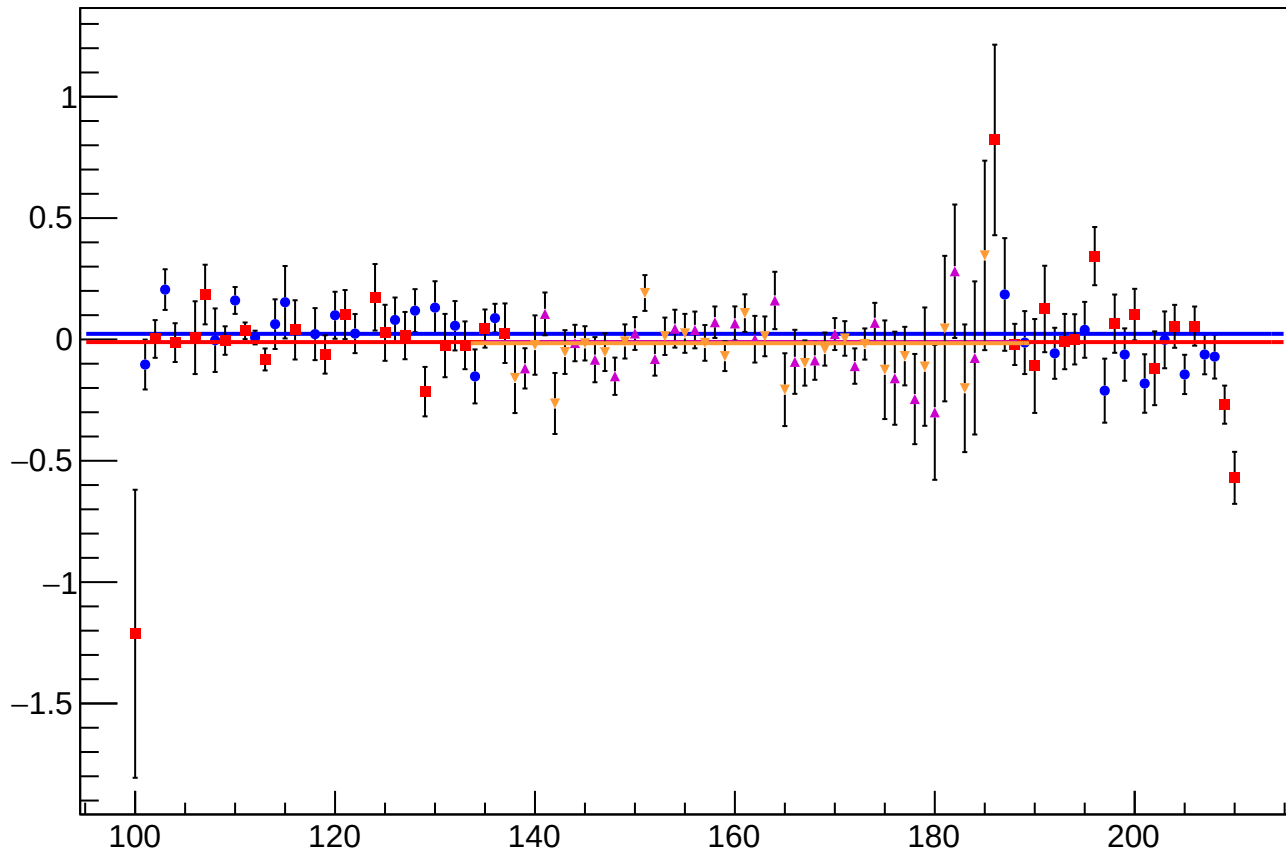
Left In: 0.000+/-0.000 χ^2/NDF : 1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 8896430.8/51

All: 0.000+/-0.000 χ^2/NDF : 19083951.7/107

- sign 0.000+/-0.000 χ^2/NDF : 10126412.0/55

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 ± 0.016 χ^2/NDF : 34.9/26

Left Out: -0.016 ± 0.018 χ^2/NDF : 21.6/24

Right Out: -0.011 ± 0.015 χ^2/NDF : 74.9/32

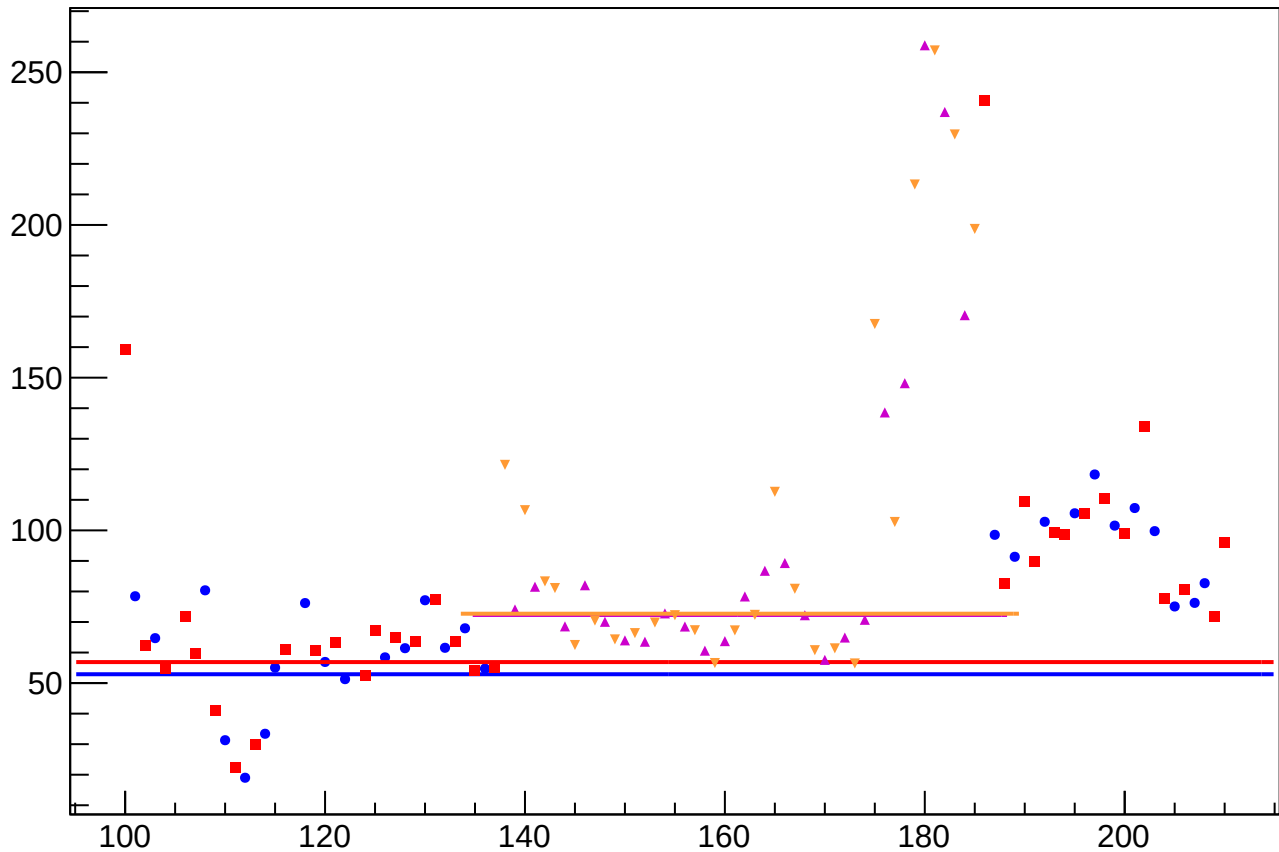
Left In: -0.011 ± 0.018 χ^2/NDF : 23.3/22

+ sign 0.006 ± 0.012 χ^2/NDF : 59.2/51

All: -0.002 ± 0.008 χ^2/NDF : 158.6/107

- sign -0.011 ± 0.012 χ^2/NDF : 98.2/55

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.896 $\pm$ 0.011 χ^2 /NDF: 7085722.8/26

Left Out: 72.715 $\pm$ 0.013 χ^2 /NDF:3961158.6/24

Right Out: 56.879 $\pm$ 0.011 χ^2 /NDF: 6730151.2/32

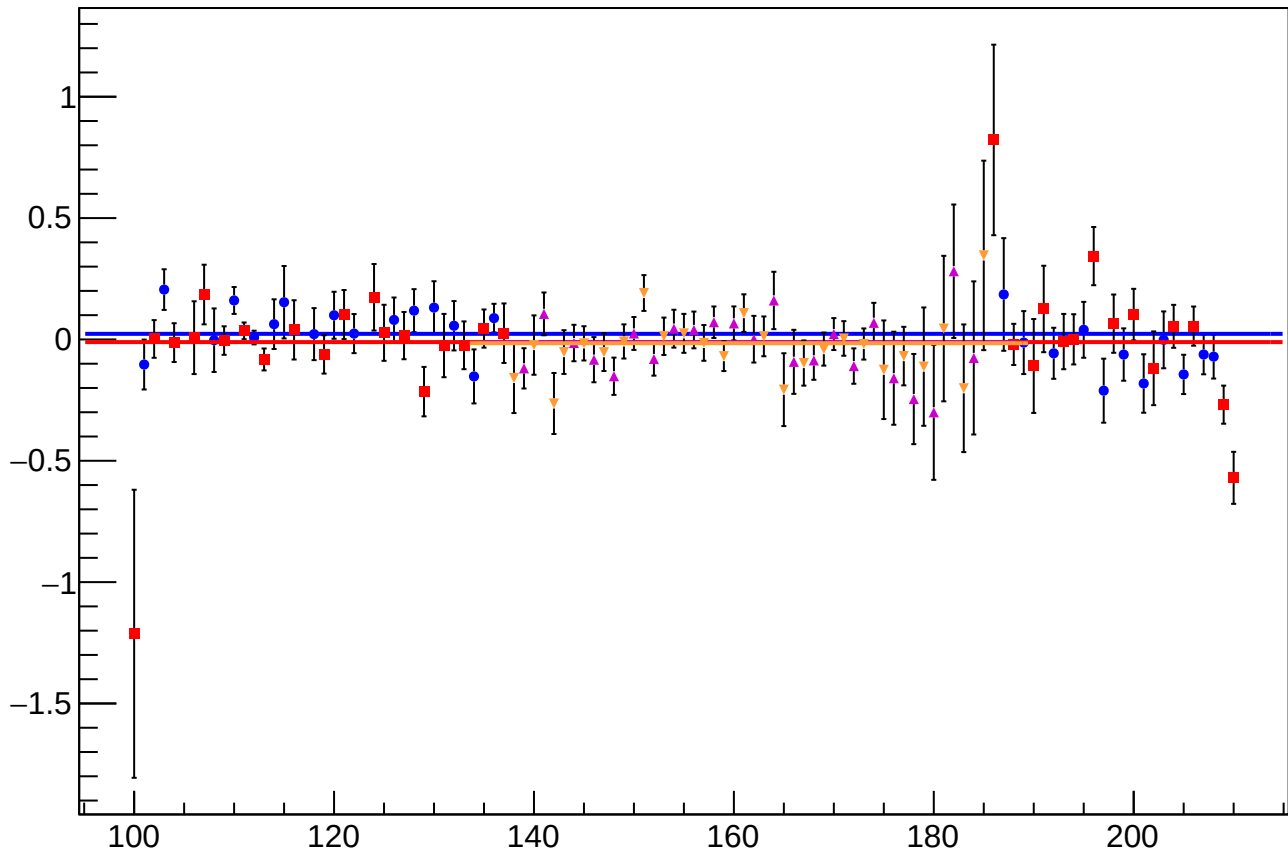
Left In: 72.298 $\pm$ 0.013 χ^2 /NDF:2790214.3/22

+ sign 61.404 $\pm$ 0.008 χ^2 /NDF: 12436579.7/51

All: 62.320 $\pm$ 0.006 χ^2 /NDF: 22820395.2/107

- sign 63.227 $\pm$ 0.008 χ^2 /NDF: 10359708.2/55

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 ± 0.016 χ^2/NDF : 34.9/26

Left Out: -0.016 ± 0.018 χ^2/NDF : 21.6/24

Right Out: -0.011 ± 0.015 χ^2/NDF : 74.9/32

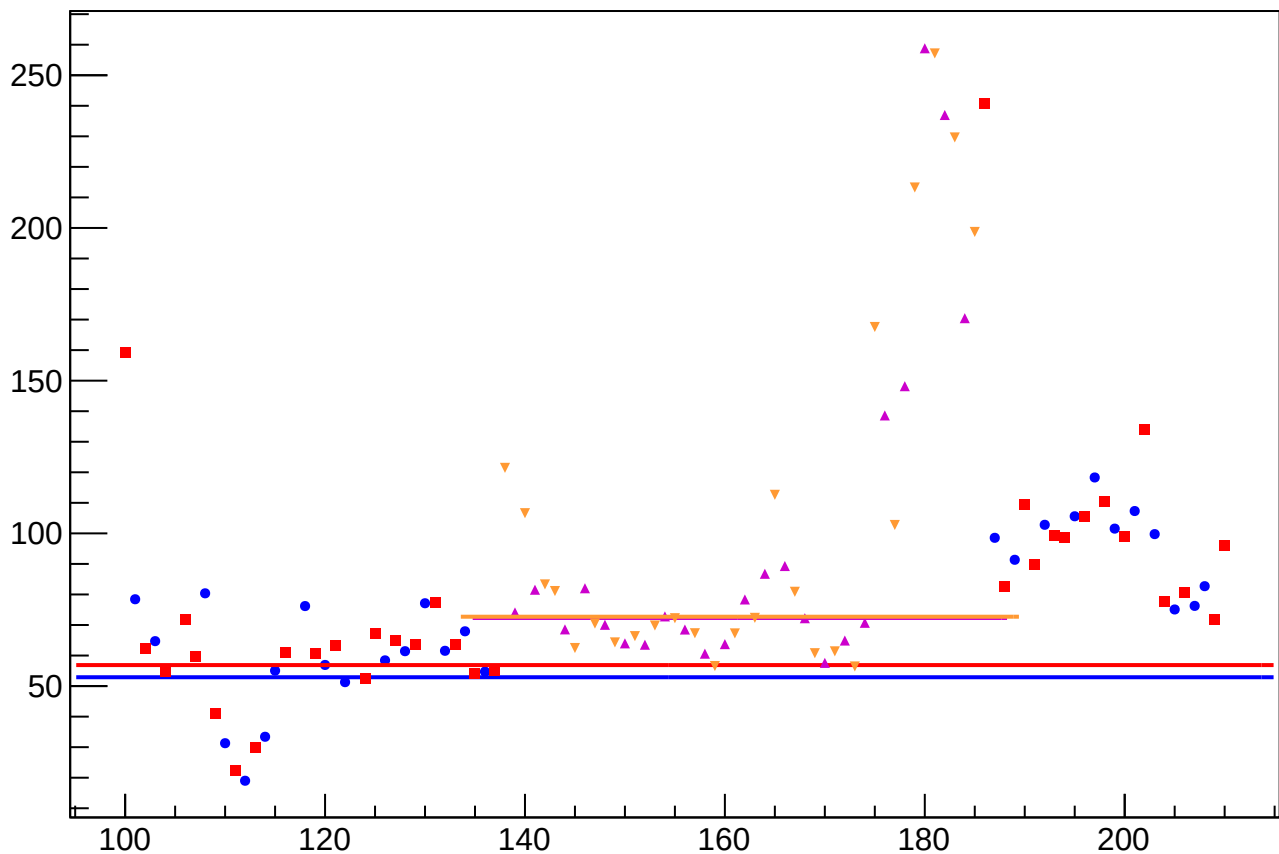
Left In: -0.011 ± 0.018 χ^2/NDF : 23.3/22

+ sign 0.006 ± 0.012 χ^2/NDF : 59.2/51

All: -0.002 ± 0.008 χ^2/NDF : 158.6/107

- sign -0.011 ± 0.012 χ^2/NDF : 98.2/55

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.896+/-0.011 χ^2/NDF : 7085722.8/26

Left Out: 72.715+/-0.013 χ^2/NDF : 3961158.6/24

Right Out: 56.879+/-0.011 χ^2/NDF : 6730151.2/32

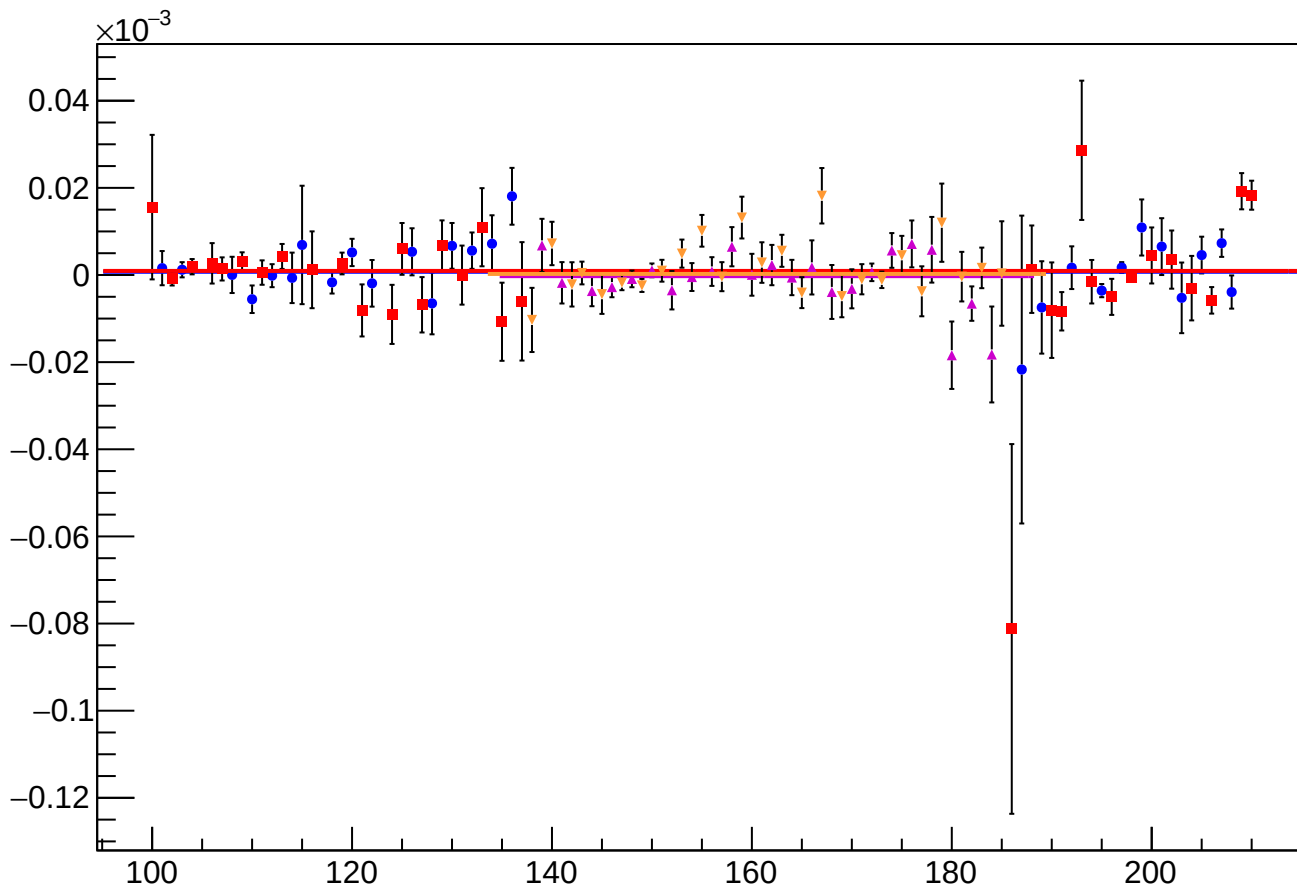
Left In: 72.298+/-0.013 χ^2/NDF : 2790214.3/22

+ sign 61.404+/-0.008 χ^2/NDF : 12436579.7/51

All: 62.320+/-0.006 χ^2/NDF : 22820395.2/107

- sign 63.227+/-0.008 χ^2/NDF : 10359708.2/55

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 85.1/32

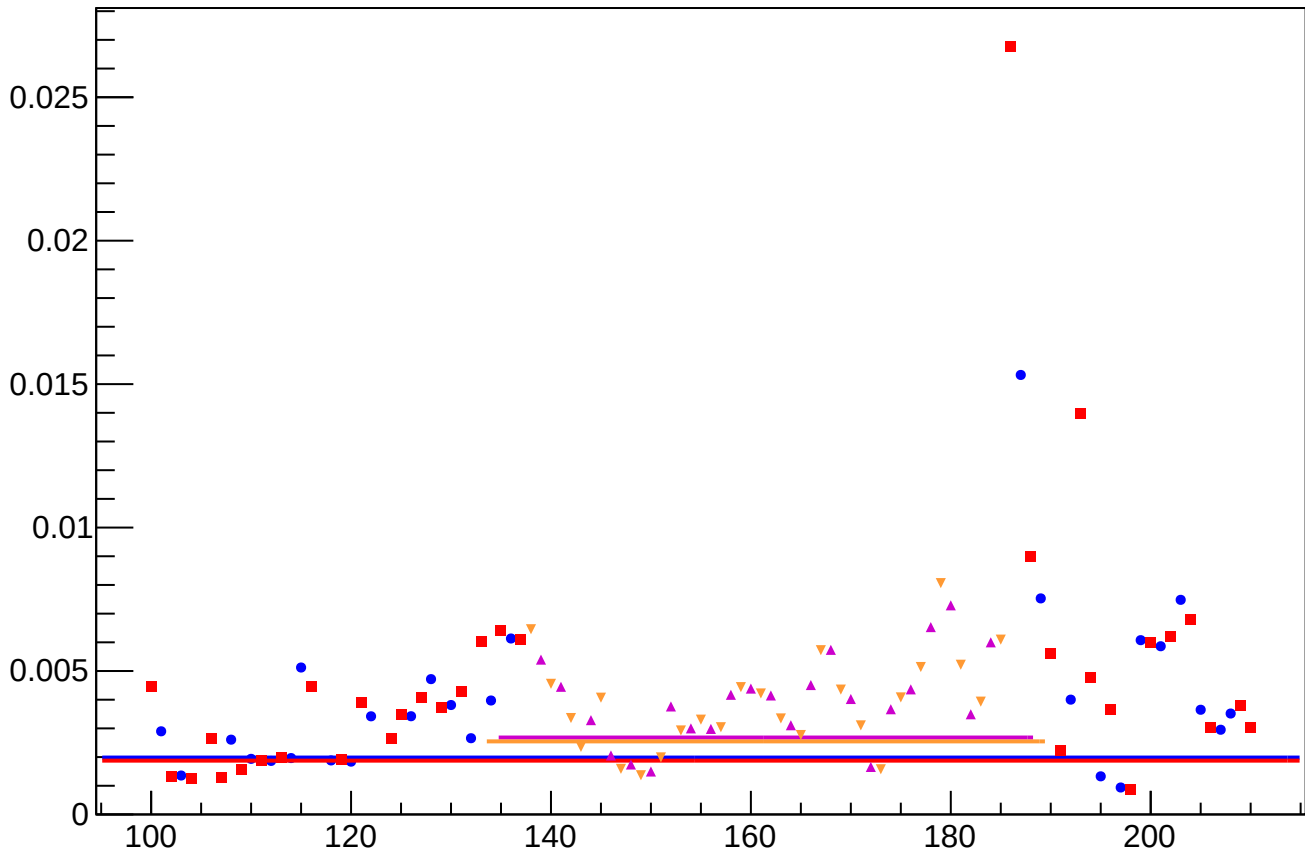
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 84.1/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 195.0/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 110.9/55

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 8648711.2/26

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 7499900.9/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 12760689.3/32

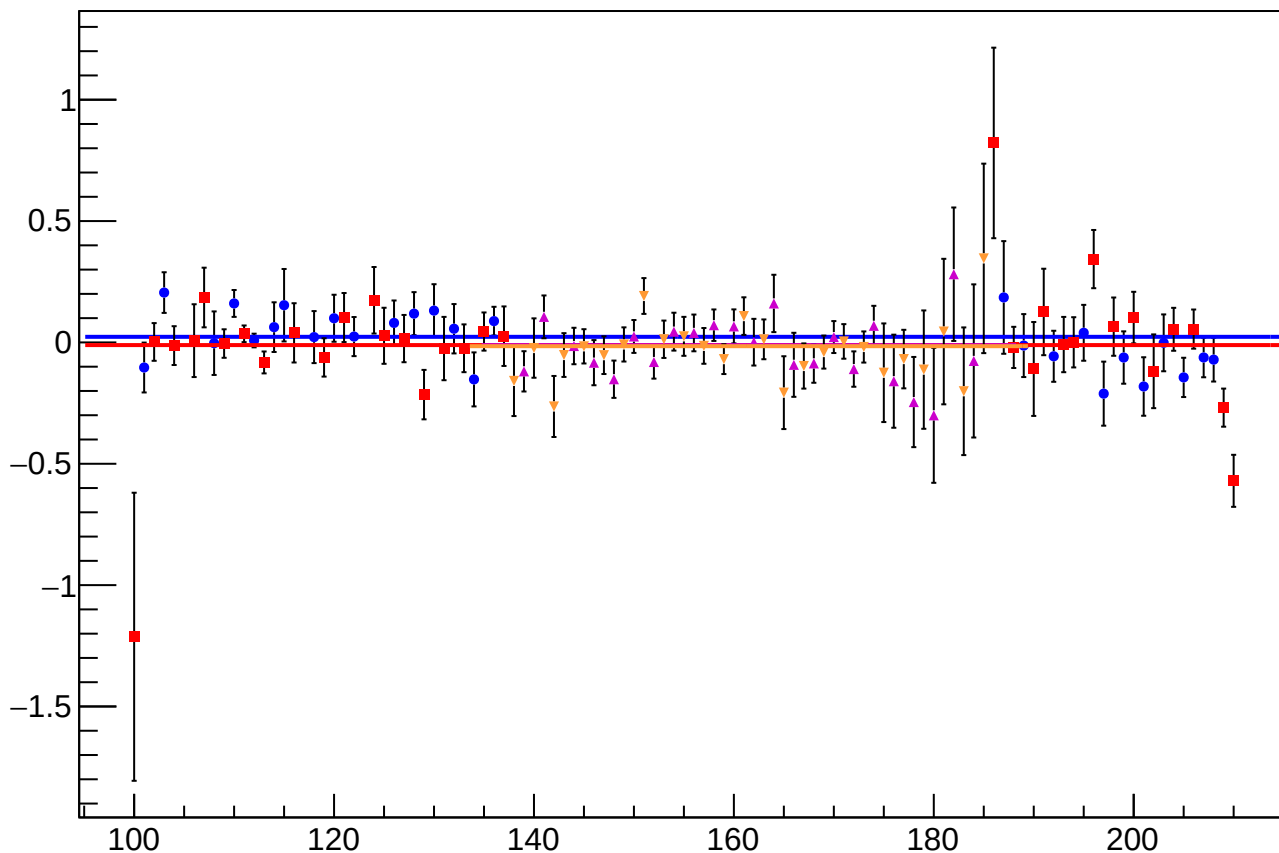
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 6504235.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 16938584.9/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 37815699.1/107

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 20858585.4/55

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 ± 0.016 χ^2/NDF : 34.9/26

Left Out: -0.016 ± 0.018 χ^2/NDF : 21.6/24

Right Out: -0.011 ± 0.015 χ^2/NDF : 74.9/32

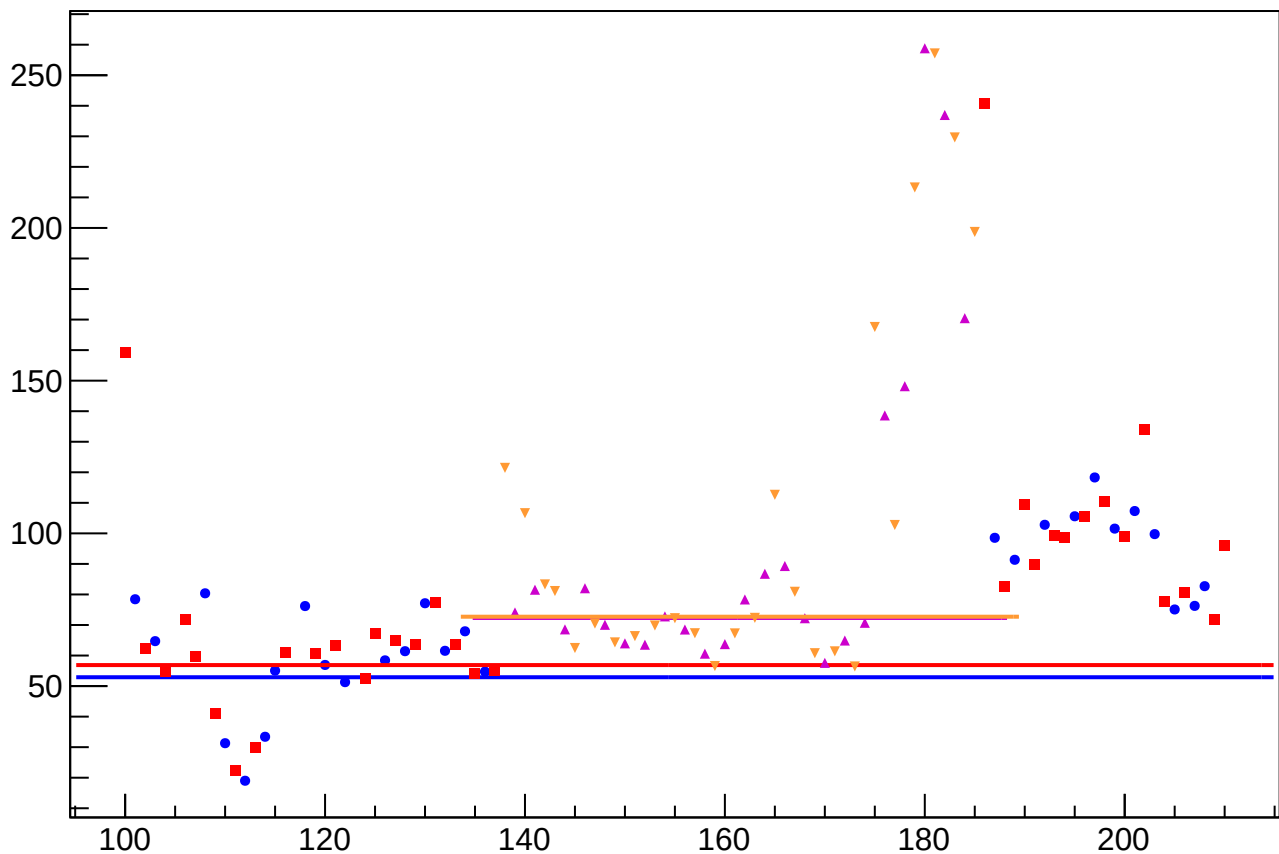
Left In: -0.011 ± 0.018 χ^2/NDF : 23.3/22

+ sign 0.006 ± 0.012 χ^2/NDF : 59.2/51

All: -0.002 ± 0.008 χ^2/NDF : 158.5/107

- sign -0.011 ± 0.012 χ^2/NDF : 98.2/55

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.895+/-0.011 χ^2/NDF : 7085989.8/26

Left Out: 72.716+/-0.013 χ^2/NDF :3961100.5/24

Right Out: 56.878+/-0.011 χ^2/NDF : 6730484.7/32

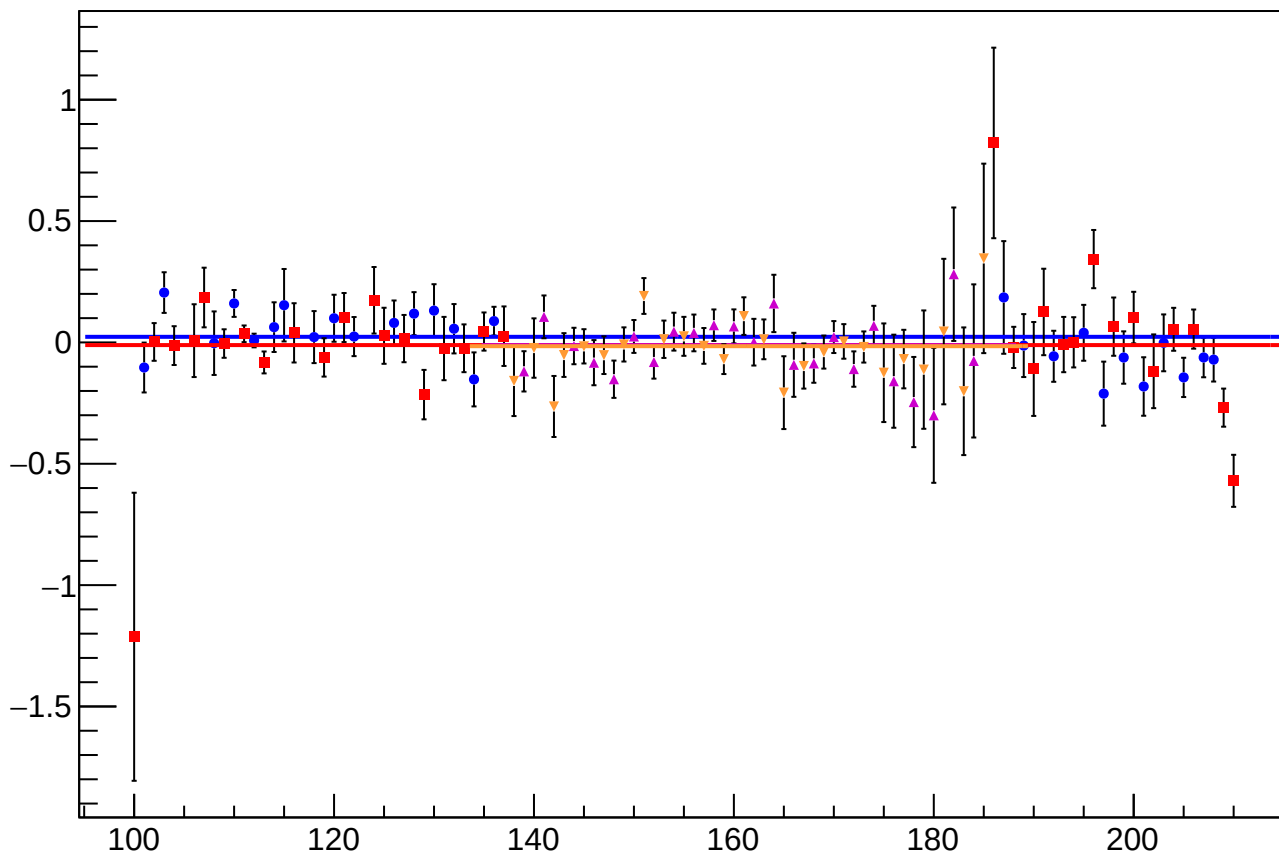
Left In: 72.298+/-0.013 χ^2/NDF :2790146.5/22

+ sign 61.404+/-0.008 χ^2/NDF : 12437014.8/51

All: 62.320+/-0.006 χ^2/NDF : 22821260.0/107

- sign 63.227+/-0.008 χ^2/NDF : 10360135.4/55

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 ± 0.016 χ^2/NDF : 34.9/26

Left Out: -0.016 ± 0.018 χ^2/NDF : 21.6/24

Right Out: -0.011 ± 0.015 χ^2/NDF : 74.9/32

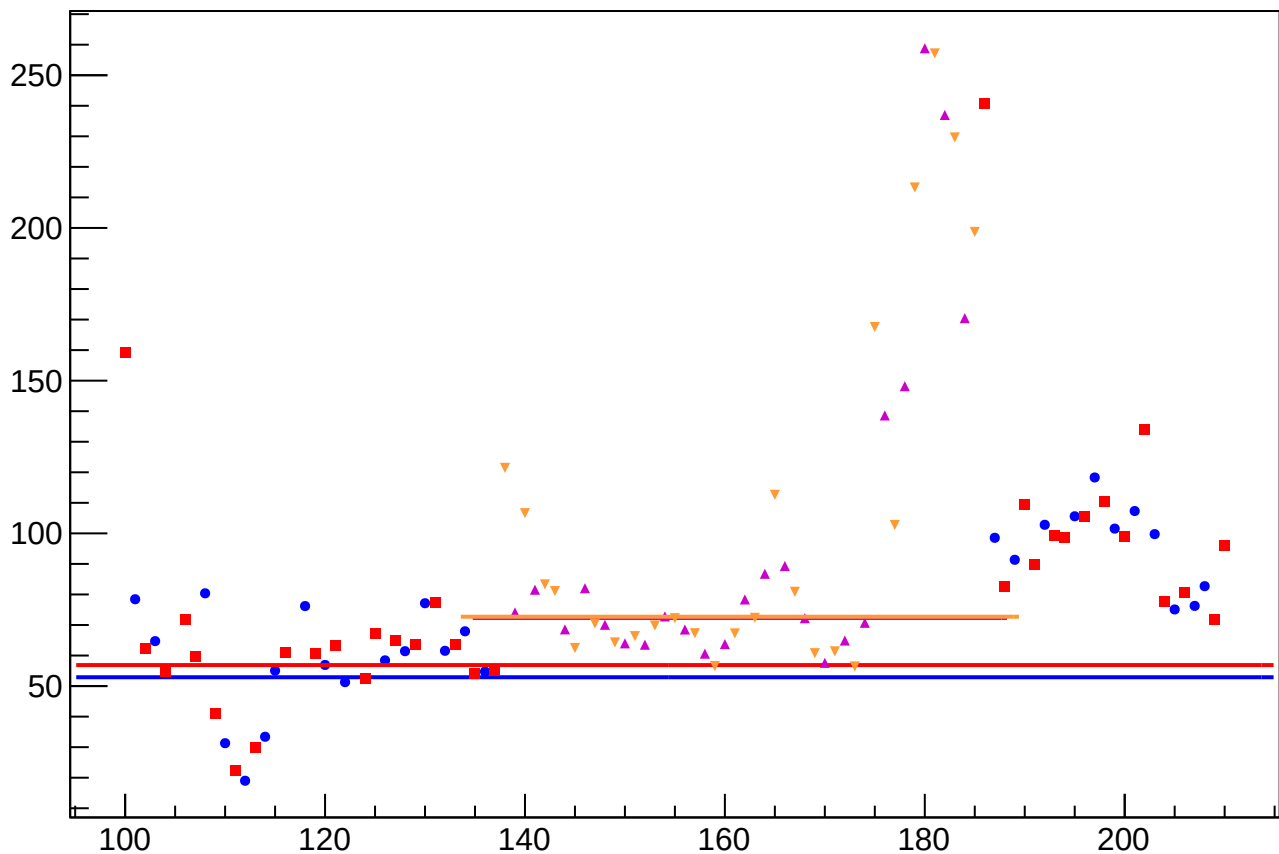
Left In: -0.011 ± 0.018 χ^2/NDF : 23.3/22

+ sign 0.006 ± 0.012 χ^2/NDF : 59.2/51

All: -0.002 ± 0.008 χ^2/NDF : 158.5/107

- sign -0.011 ± 0.012 χ^2/NDF : 98.2/55

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.895 $\pm$ 0.011 χ^2/NDF : 7085989.8/26

Left Out: 72.716 $\pm$ 0.013 χ^2/NDF : 3961100.5/24

Right Out: 56.878 $\pm$ 0.011 χ^2/NDF : 6730484.7/32

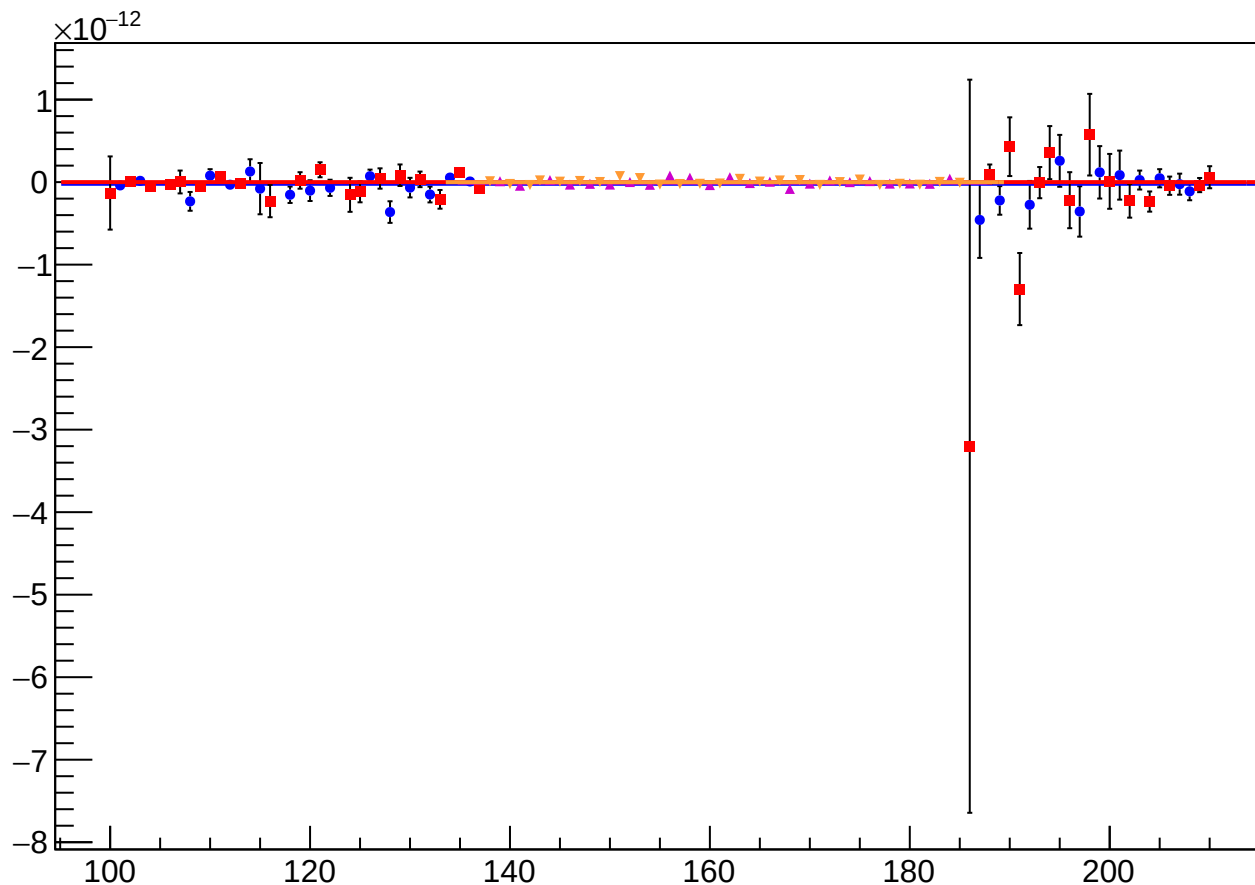
Left In: 72.298 $\pm$ 0.013 χ^2/NDF : 2790146.5/22

+ sign 61.404 $\pm$ 0.008 χ^2/NDF : 12437014.8/51

All: 62.320 $\pm$ 0.006 χ^2/NDF : 22821260.0/107

- sign 63.227 $\pm$ 0.008 χ^2/NDF : 10360135.4/55

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 29.6/26

Left Out: -0.000+/-0.000 χ^2/NDF : 27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 43.3/32

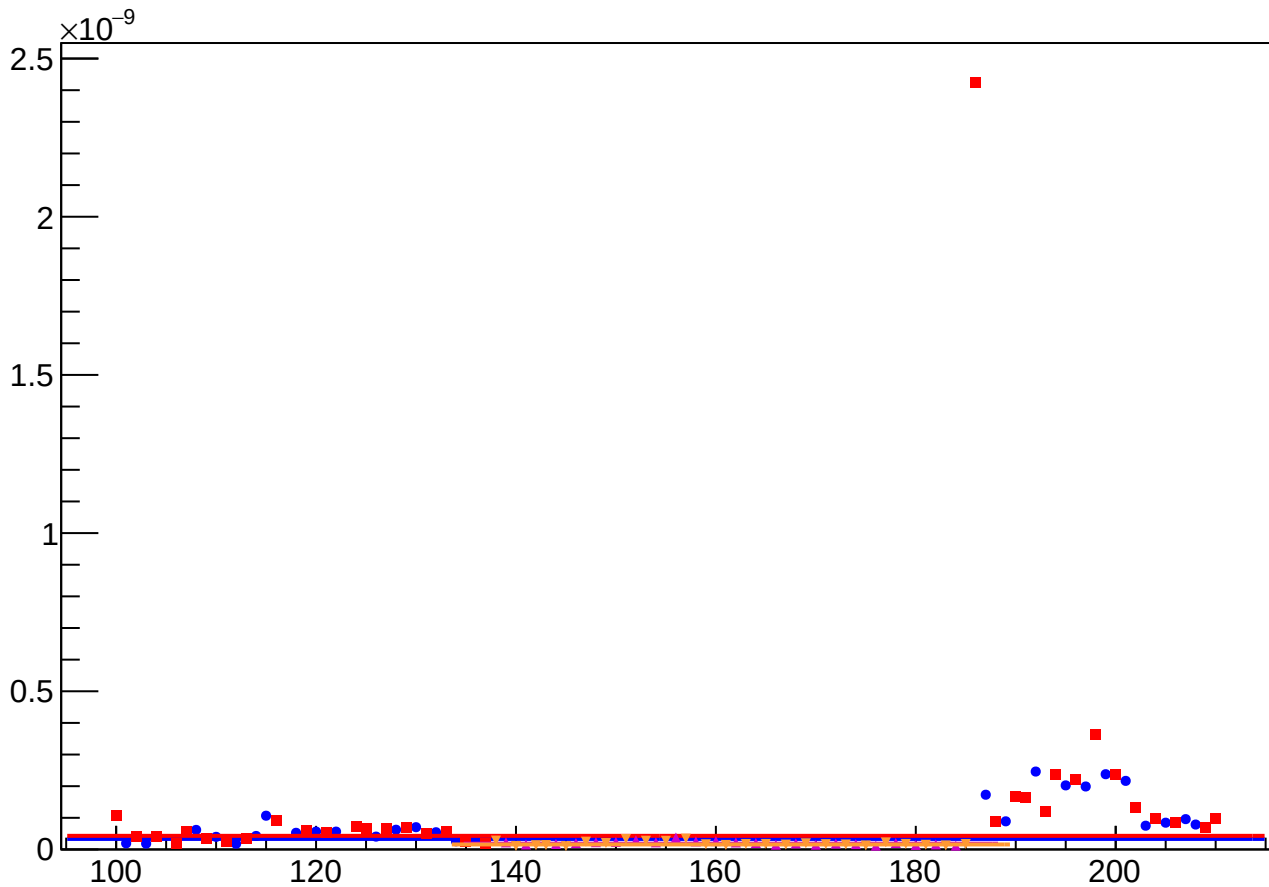
Left In: -0.000+/-0.000 χ^2/NDF : 38.3/22

+ sign -0.000+/-0.000 χ^2/NDF : 59.2/51

All: -0.000+/-0.000 χ^2/NDF : 141.1/107

- sign -0.000+/-0.000 χ^2/NDF : 81.7/55

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7890285.1/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8146716.1/32

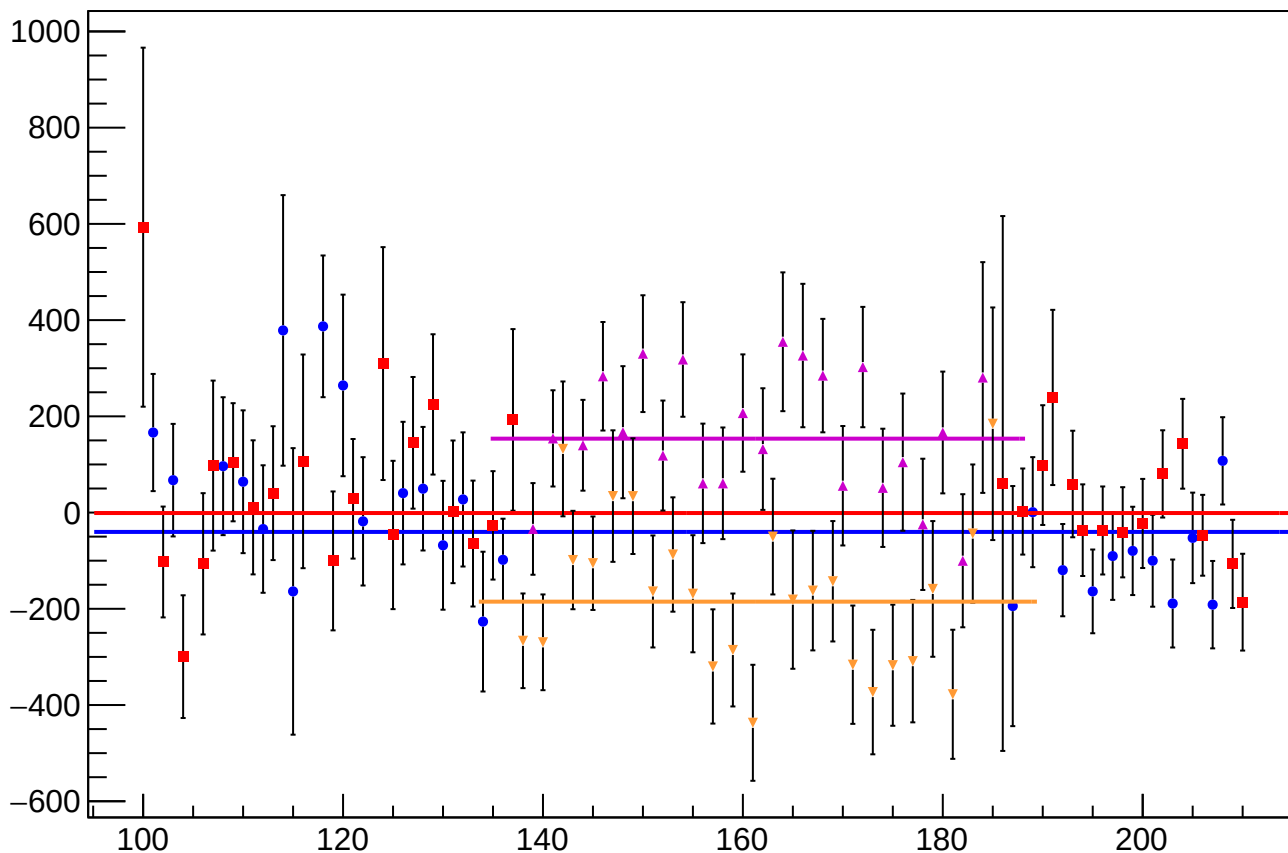
Left In: 0.000+/-0.000 χ^2/NDF : 1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 13079568.2/51

All: 0.000+/-0.000 χ^2/NDF : 27846269.7/107

- sign 0.000+/-0.000 χ^2/NDF : 14330591.6/55

reg_asym_sam_15_dd_mean vs Slug



Right In: -40.226 ± 22.354 χ^2/NDF : 33.9/26

Left Out: -185.146 ± 24.452 χ^2/NDF : 33.1/24

Right Out: -0.958 ± 21.054 χ^2/NDF : 29.3/32

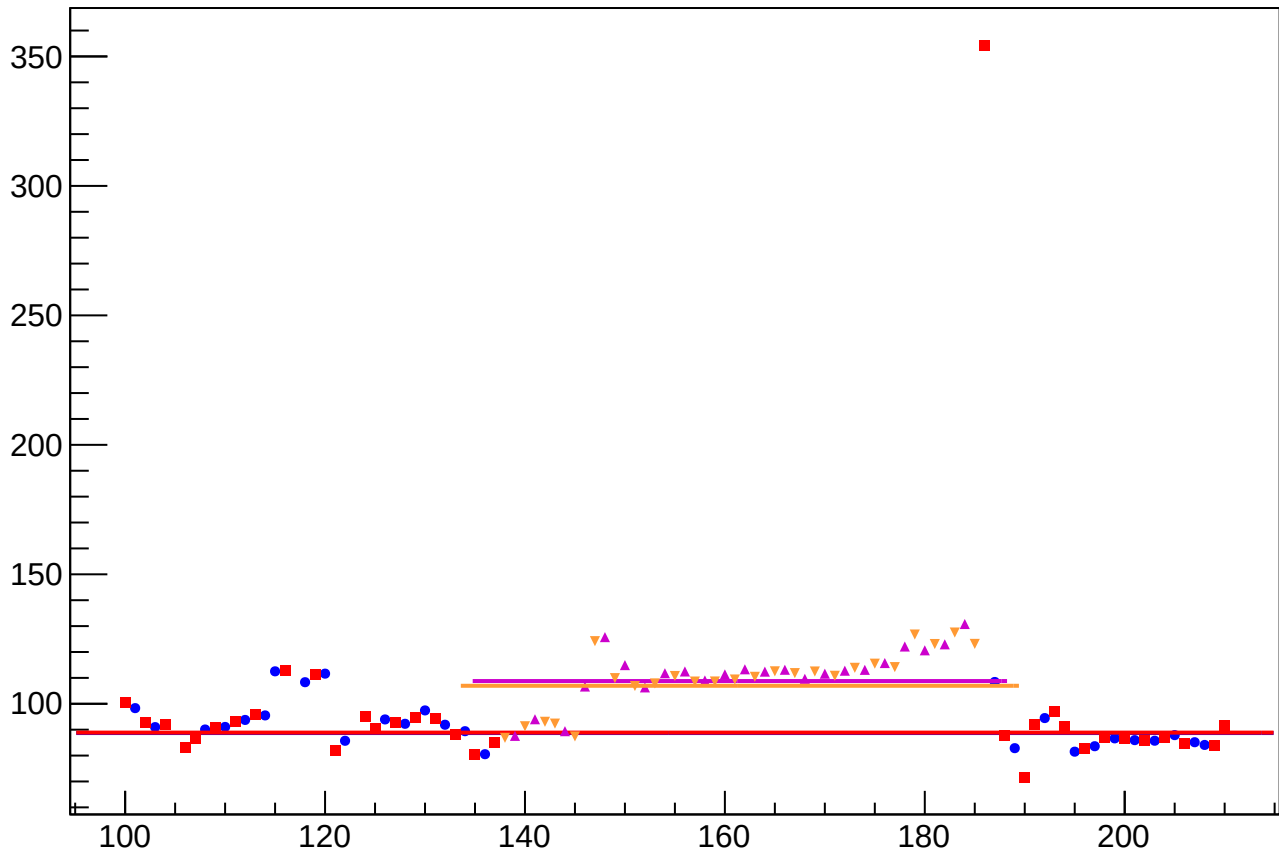
Left In: 153.627 ± 25.538 χ^2/NDF : 23.5/22

+ sign -106.202 ± 16.499 χ^2/NDF : 86.1/51

All: -21.005 ± 11.576 χ^2/NDF : 213.2/107

- sign 61.594 ± 16.245 χ^2/NDF : 74.6/55

reg_asym_sam_15_dd_rms vs Slug



Right In: 88.700 $\pm$ 0.016 χ^2 /NDF: 186910.0/26

Left Out: 106.954 $\pm$ 0.017 χ^2 /NDF: 464271.3/24

Right Out: 88.872 $\pm$ 0.015 χ^2 /NDF: 650729.8/32

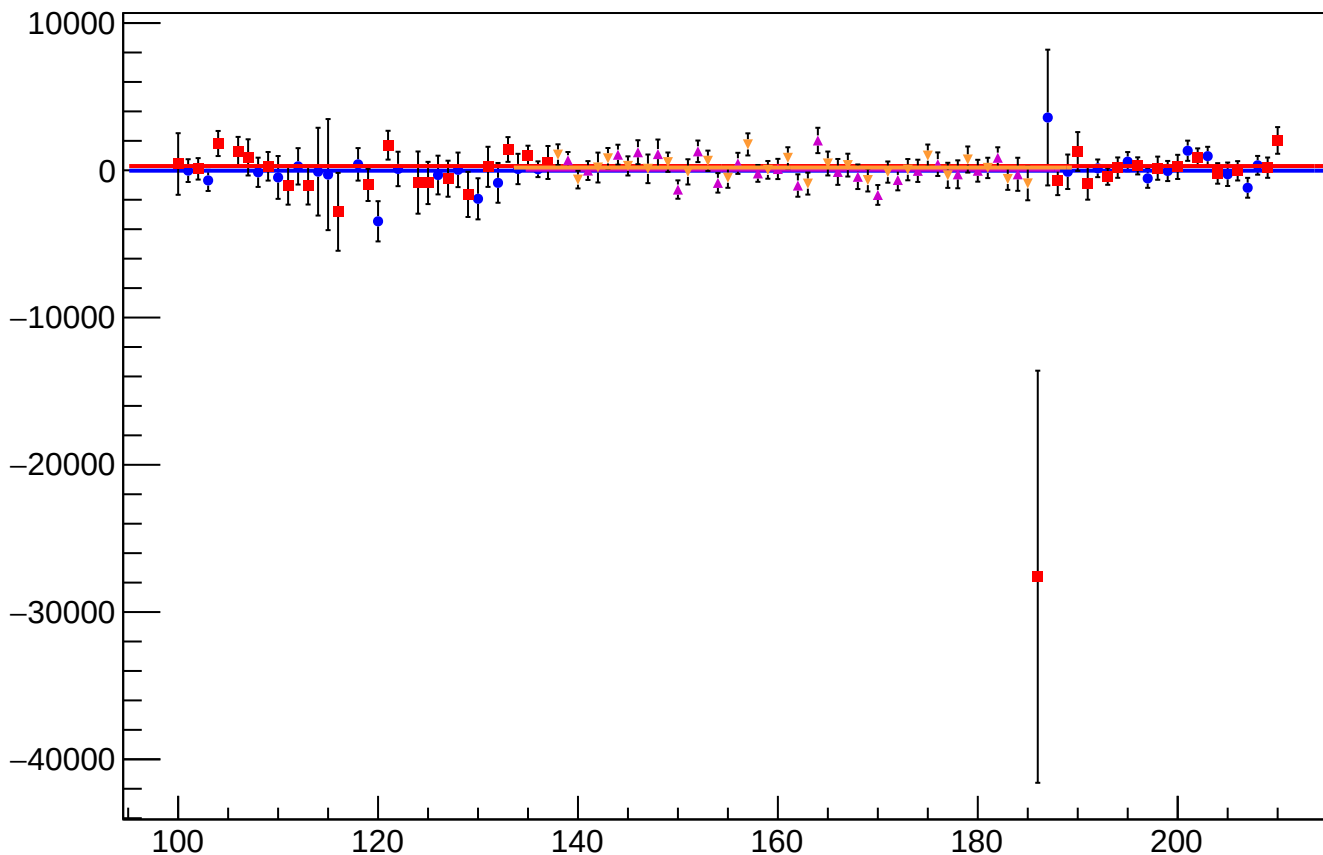
Left In: 108.781 $\pm$ 0.018 χ^2 /NDF: 358436.3/22

+ sign 97.010 $\pm$ 0.012 χ^2 /NDF: 1258348.2/51

All: 96.968 $\pm$ 0.008 χ^2 /NDF: 2991182.7/107

- sign 96.928 $\pm$ 0.011 χ^2 /NDF: 1732809.1/55

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -25.446 ± 166.274 χ^2/NDF : 21.8/26

Left Out: 186.456 ± 148.819 χ^2/NDF : 19.1/24

Right Out: 289.218 ± 157.992 χ^2/NDF : 30.9/32

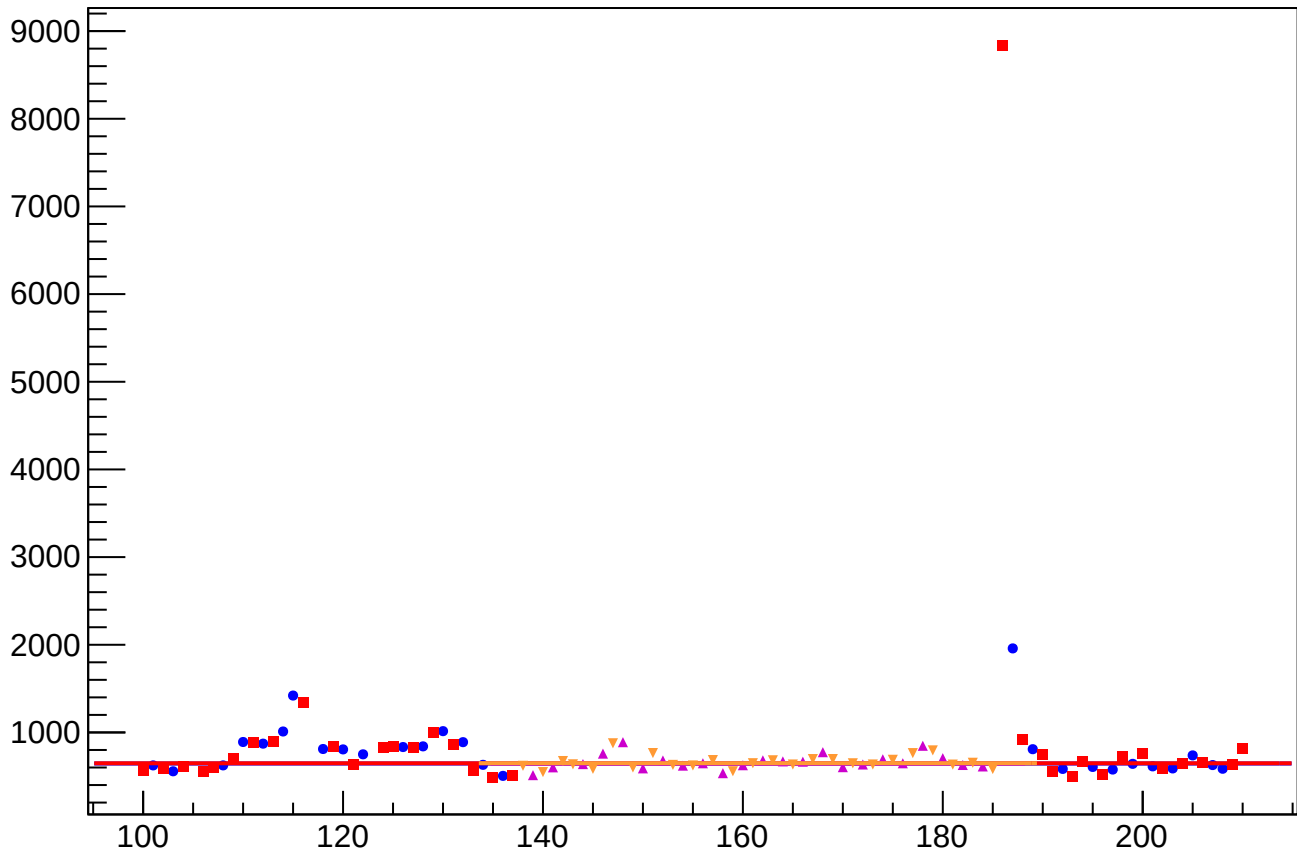
Left In: 43.249 ± 152.059 χ^2/NDF : 33.7/22

+ sign 92.208 ± 110.891 χ^2/NDF : 41.8/51

All: 127.287 ± 77.937 χ^2/NDF : 107.9/107

- sign 161.528 ± 109.559 χ^2/NDF : 65.9/55

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 645.247+/-0.118 χ^2/NDF : 1119981.7/26

Left Out: 649.189+/-0.105 χ^2/NDF : 418364.7/24

Right Out: 648.292+/-0.112 χ^2/NDF : 2038060.5/32

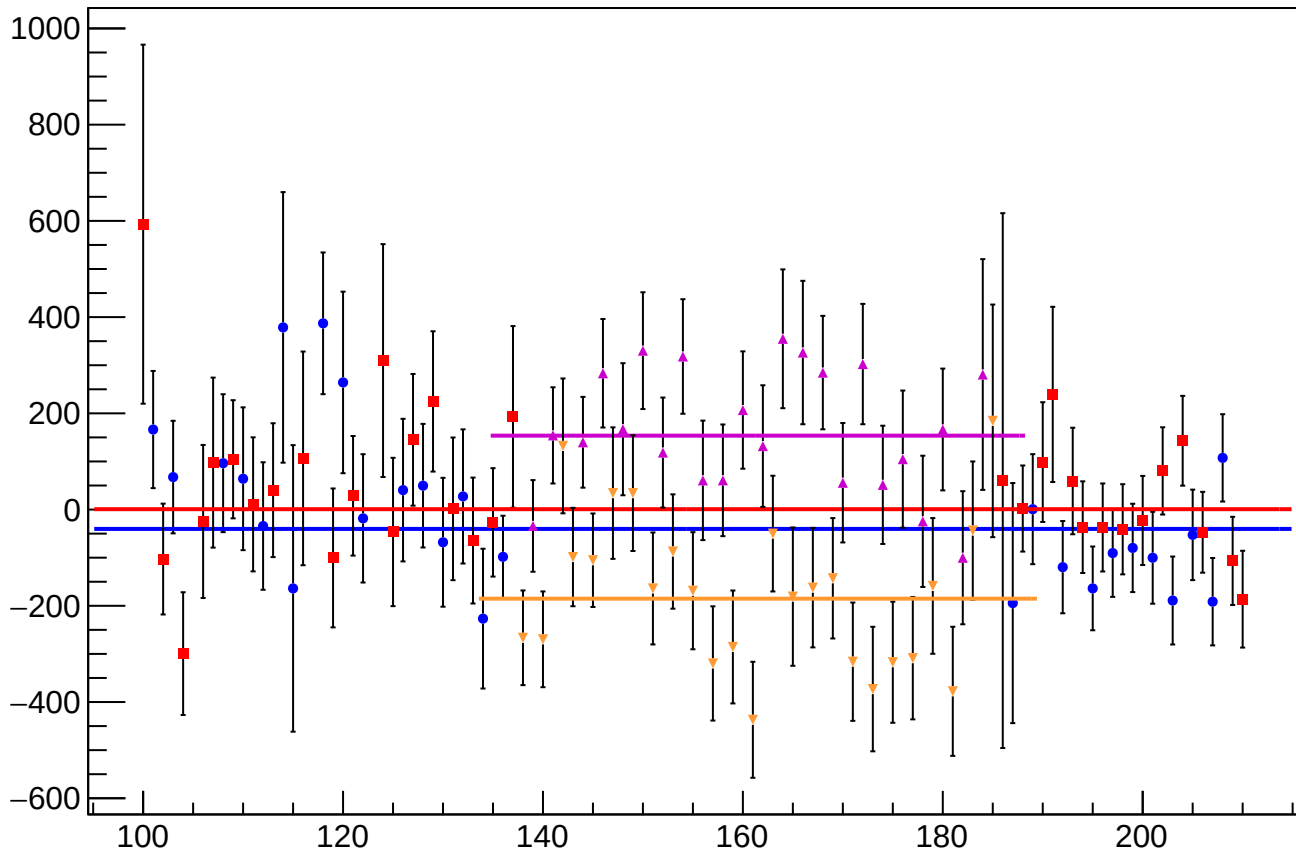
Left In: 644.072+/-0.108 χ^2/NDF : 559119.9/22

+ sign 647.436+/-0.078 χ^2/NDF : 1538970.6/51

All: 646.760+/-0.055 χ^2/NDF : 4137038.2/107

- sign 646.102+/-0.077 χ^2/NDF : 2597921.1/55

cor_asym_sam_15_dd_mean vs Slug



Right In: -40.224 ± 22.354 χ^2/NDF : 33.9/26

Left Out: -185.148 ± 24.452 χ^2/NDF : 33.0/24

Right Out: 0.802 ± 21.086 χ^2/NDF : 28.8/32

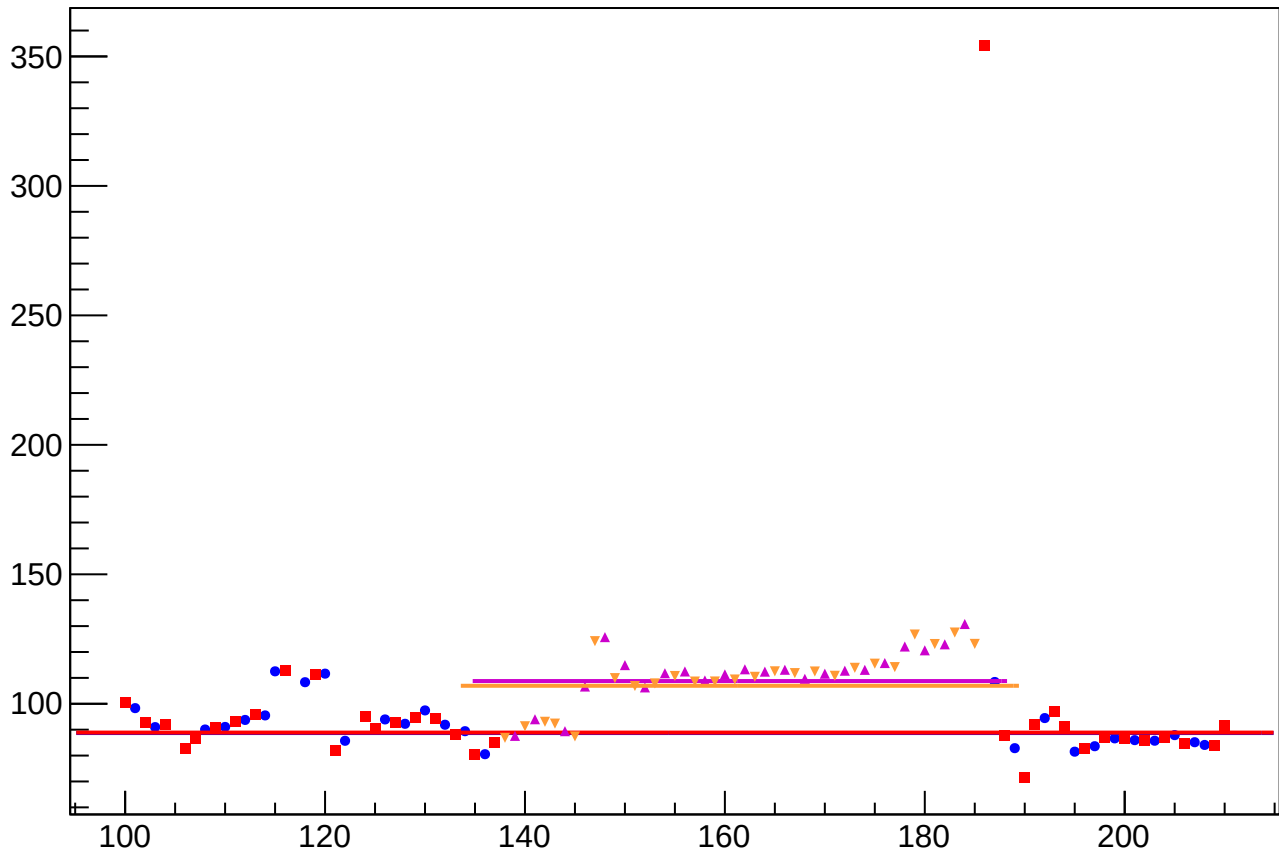
Left In: 153.632 ± 25.538 χ^2/NDF : 23.5/22

+ sign -106.202 ± 16.499 χ^2/NDF : 86.1/51

All: -20.491 ± 11.581 χ^2/NDF : 212.9/107

- sign 62.756 ± 16.260 χ^2/NDF : 73.6/55

cor_asym_sam_15_dd_rms vs Slug



Right In: 88.700 ± 0.016 χ^2/NDF : 186910.0/26

Left Out: 106.954 ± 0.017 χ^2/NDF : 464271.4/24

Right Out: 88.880 ± 0.015 χ^2/NDF : 650803.2/32

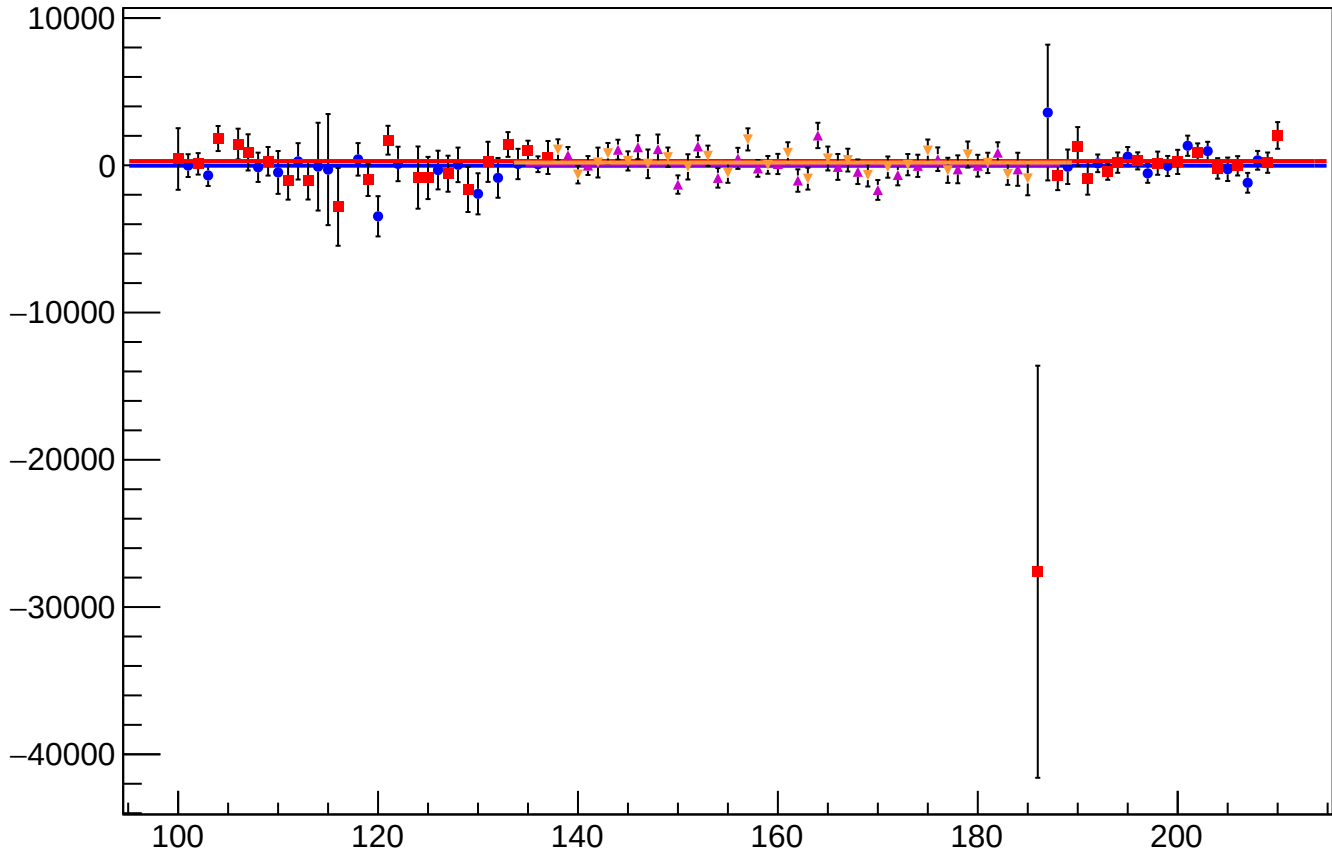
Left In: 108.781 ± 0.018 χ^2/NDF : 358436.4/22

+ sign 97.010 ± 0.012 χ^2/NDF : 1258348.3/51

All: 96.978 ± 0.008 χ^2/NDF : 2989791.4/107

- sign 96.947 ± 0.011 χ^2/NDF : 1731428.2/55

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -25.447 ± 166.274 χ^2/NDF : 21.8/26

Left Out: 186.450 ± 148.819 χ^2/NDF : 19.1/24

Right Out: 290.283 ± 158.203 χ^2/NDF : 31.1/32

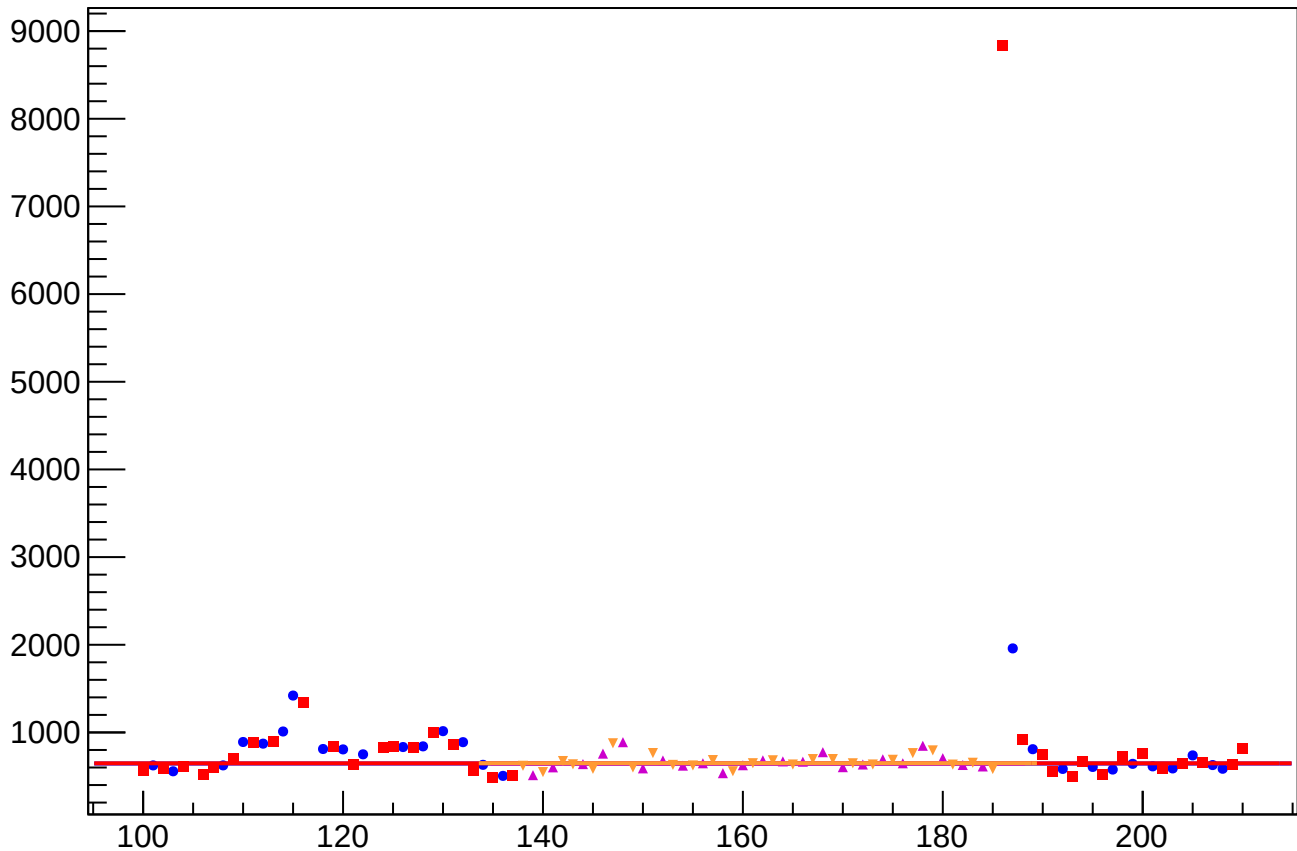
Left In: 43.251 ± 152.059 χ^2/NDF : 33.7/22

+ sign 92.204 ± 110.891 χ^2/NDF : 41.8/51

All: 127.439 ± 77.962 χ^2/NDF : 108.1/107

- sign 161.877 ± 109.630 χ^2/NDF : 66.1/55

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 645.247+/-0.118 χ^2/NDF : 1119982.5/26

Left Out: 649.189+/-0.105 χ^2/NDF : 418365.4/24

Right Out: 647.913+/-0.112 χ^2/NDF : 2047460.3/32

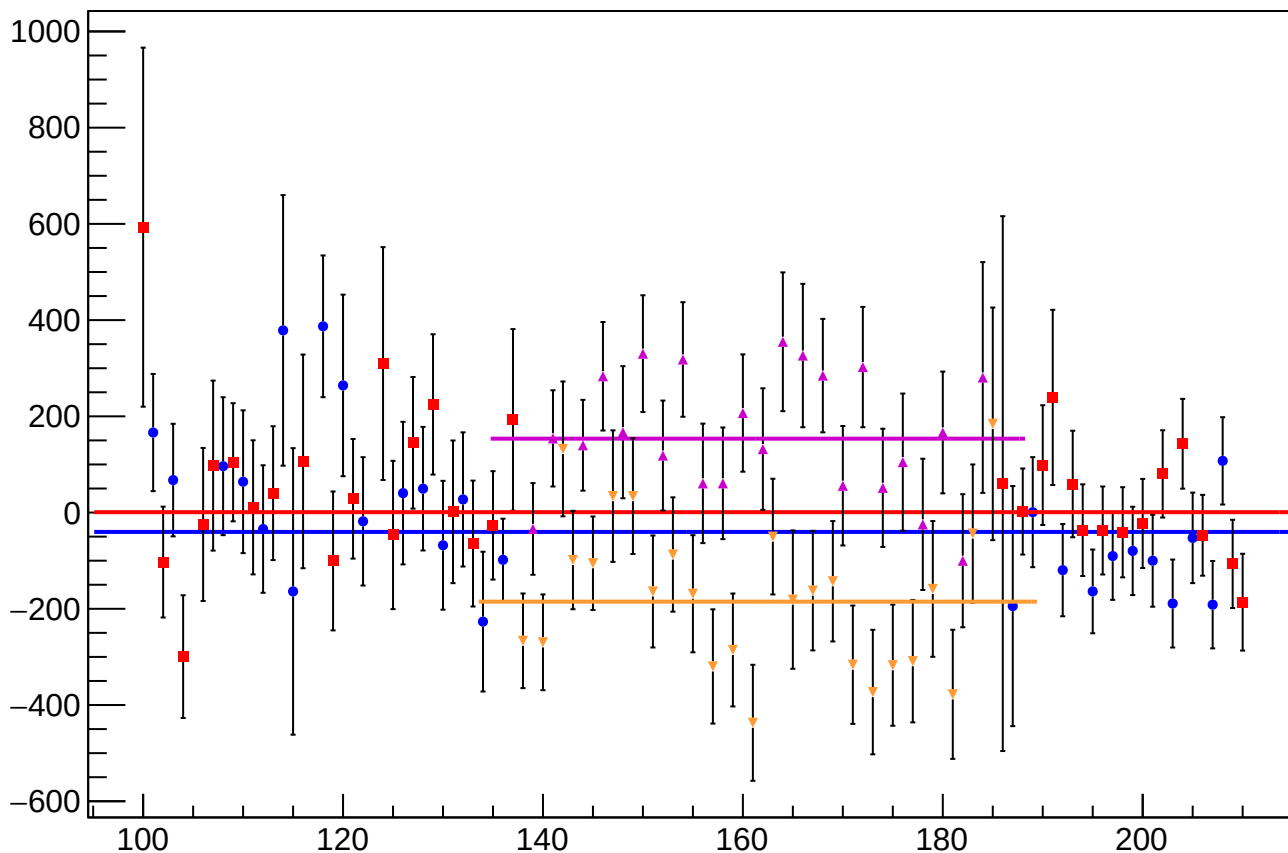
Left In: 644.072+/-0.108 χ^2/NDF : 559121.0/22

+ sign 647.436+/-0.078 χ^2/NDF : 1538972.1/51

All: 646.667+/-0.055 χ^2/NDF : 4146355.9/107

- sign 645.917+/-0.078 χ^2/NDF : 2607194.0/55

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -40.224 ± 22.354 χ^2/NDF : 33.9/26

Left Out: -185.148 ± 24.452 χ^2/NDF : 33.0/24

Right Out: 0.802 ± 21.086 χ^2/NDF : 28.8/32

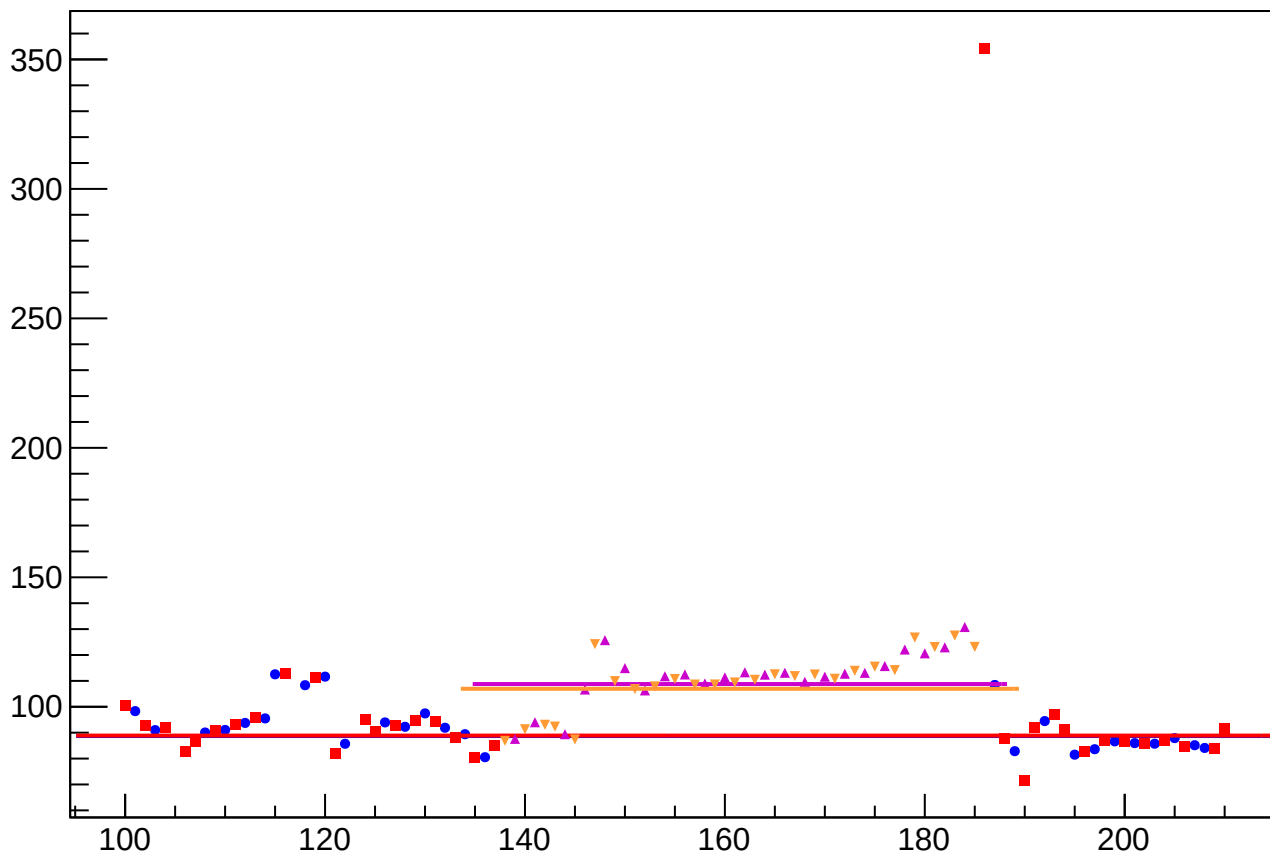
Left In: 153.632 ± 25.538 χ^2/NDF : 23.5/22

+ sign -106.202 ± 16.499 χ^2/NDF : 86.1/51

All: -20.491 ± 11.581 χ^2/NDF : 212.9/107

- sign 62.756 ± 16.260 χ^2/NDF : 73.6/55

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 88.700 $\pm$ 0.016 χ^2 /NDF: 186910.0/26

Left Out: 106.954 $\pm$ 0.017 χ^2 /NDF: 464271.4/24

Right Out: 88.880 $\pm$ 0.015 χ^2 /NDF: 650803.2/32

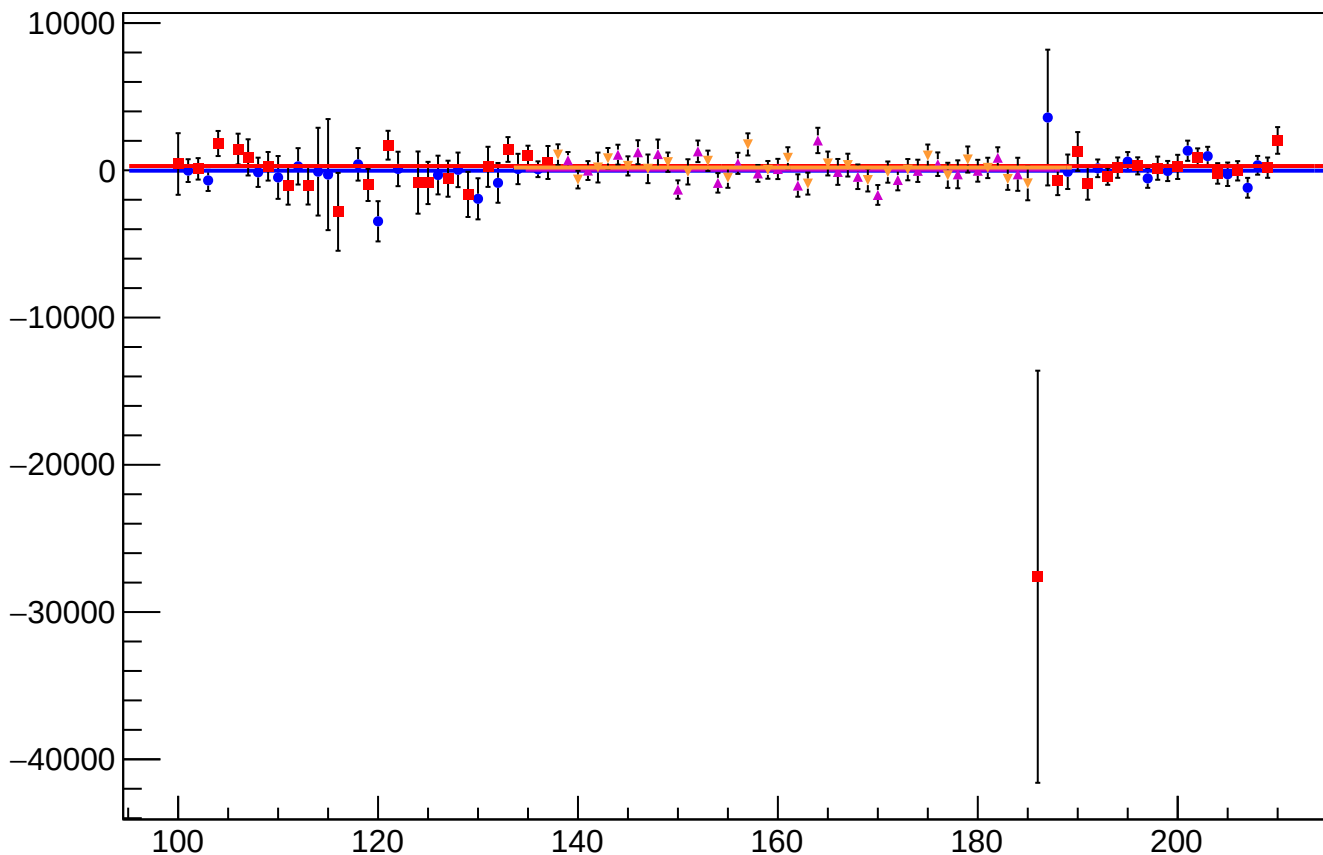
Left In: 108.781 $\pm$ 0.018 χ^2 /NDF: 358436.4/22

+ sign 97.010 $\pm$ 0.012 χ^2 /NDF: 1258348.3/51

All: 96.978 $\pm$ 0.008 χ^2 /NDF: 2989791.4/107

- sign 96.947 $\pm$ 0.011 χ^2 /NDF: 1731428.2/55

asym_sam_15_dd_eigen_cor_correction_mean vs Slug



Right In: -25.447 ± 166.274 χ^2/NDF : 21.8/26

Left Out: 186.450 ± 148.819 χ^2/NDF : 19.1/24

Right Out: 290.283 ± 158.203 χ^2/NDF : 31.1/32

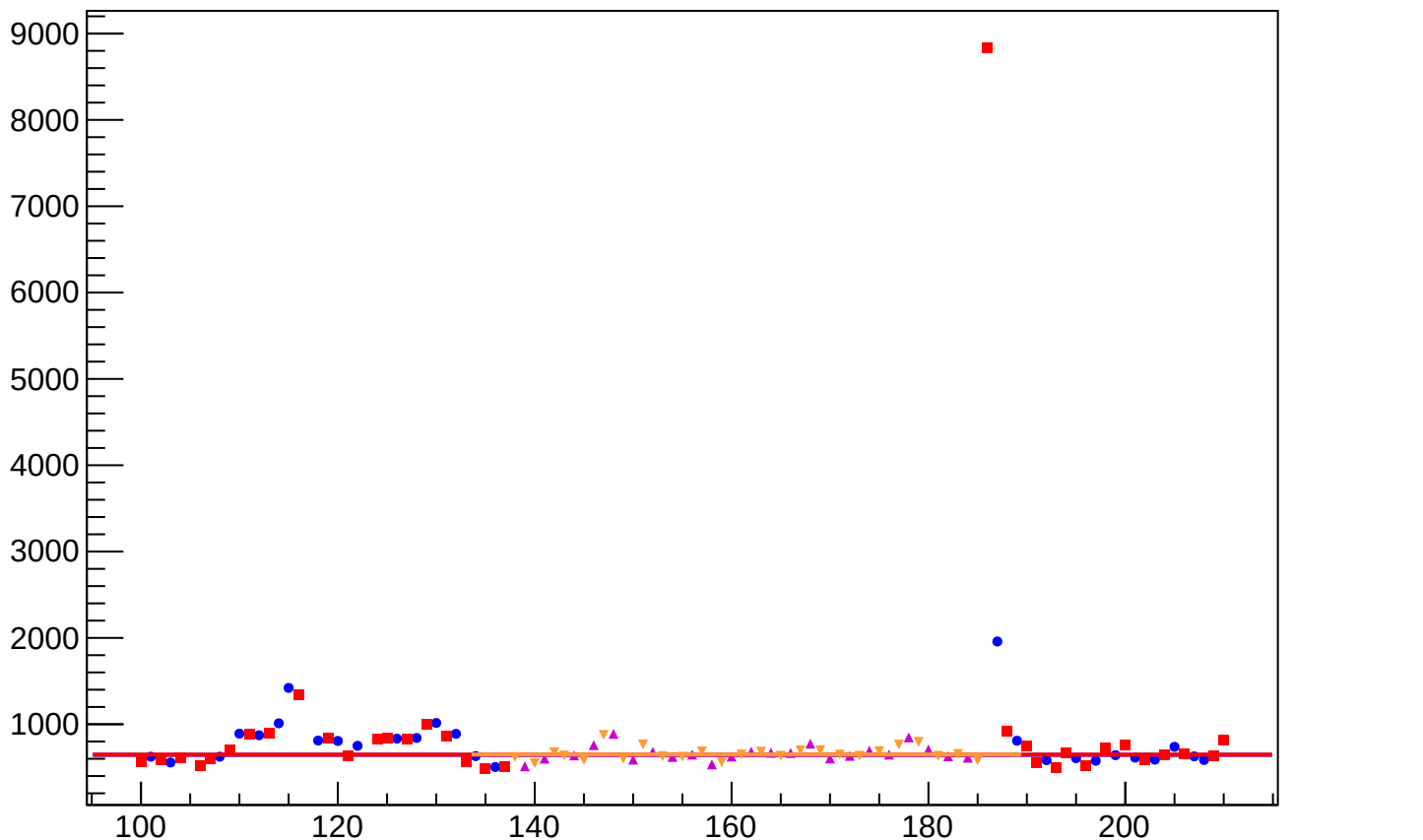
Left In: 43.251 ± 152.059 χ^2/NDF : 33.7/22

+ sign 92.204 ± 110.891 χ^2/NDF : 41.8/51

All: 127.439 ± 77.962 χ^2/NDF : 108.1/107

- sign 161.877 ± 109.630 χ^2/NDF : 66.1/55

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 645.247+/-0.118 χ^2/NDF : 1119982.5/26

Left Out: 649.189+/-0.105 χ^2/NDF : 418365.4/24

Right Out: 647.913+/-0.112 χ^2/NDF : 2047460.3/32

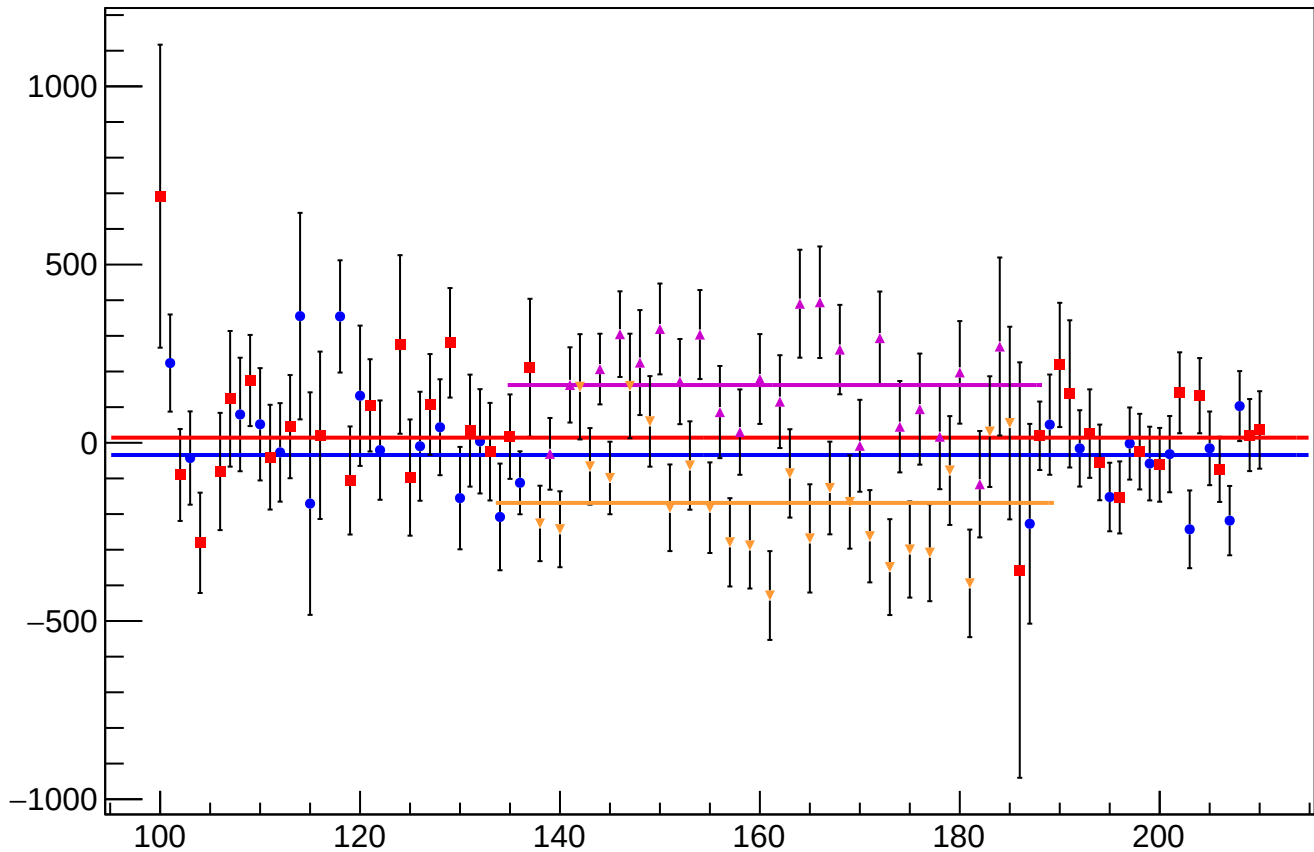
Left In: 644.072+/-0.108 χ^2/NDF : 559121.0/22

+ sign 647.436+/-0.078 χ^2/NDF : 1538972.1/51

All: 646.667+/-0.055 χ^2/NDF : 4146355.9/107

- sign 645.917+/-0.078 χ^2/NDF : 2607194.0/55

dit_asym_sam_15_dd_mean vs Slug



Right In: -34.258 ± 24.437 $\chi^2/\text{NDF}: 28.2/26$

Left Out: -168.634 ± 25.819 $\chi^2/\text{NDF}: 32.4/24$

Right Out: 14.400 ± 23.147 $\chi^2/\text{NDF}: 26.7/32$

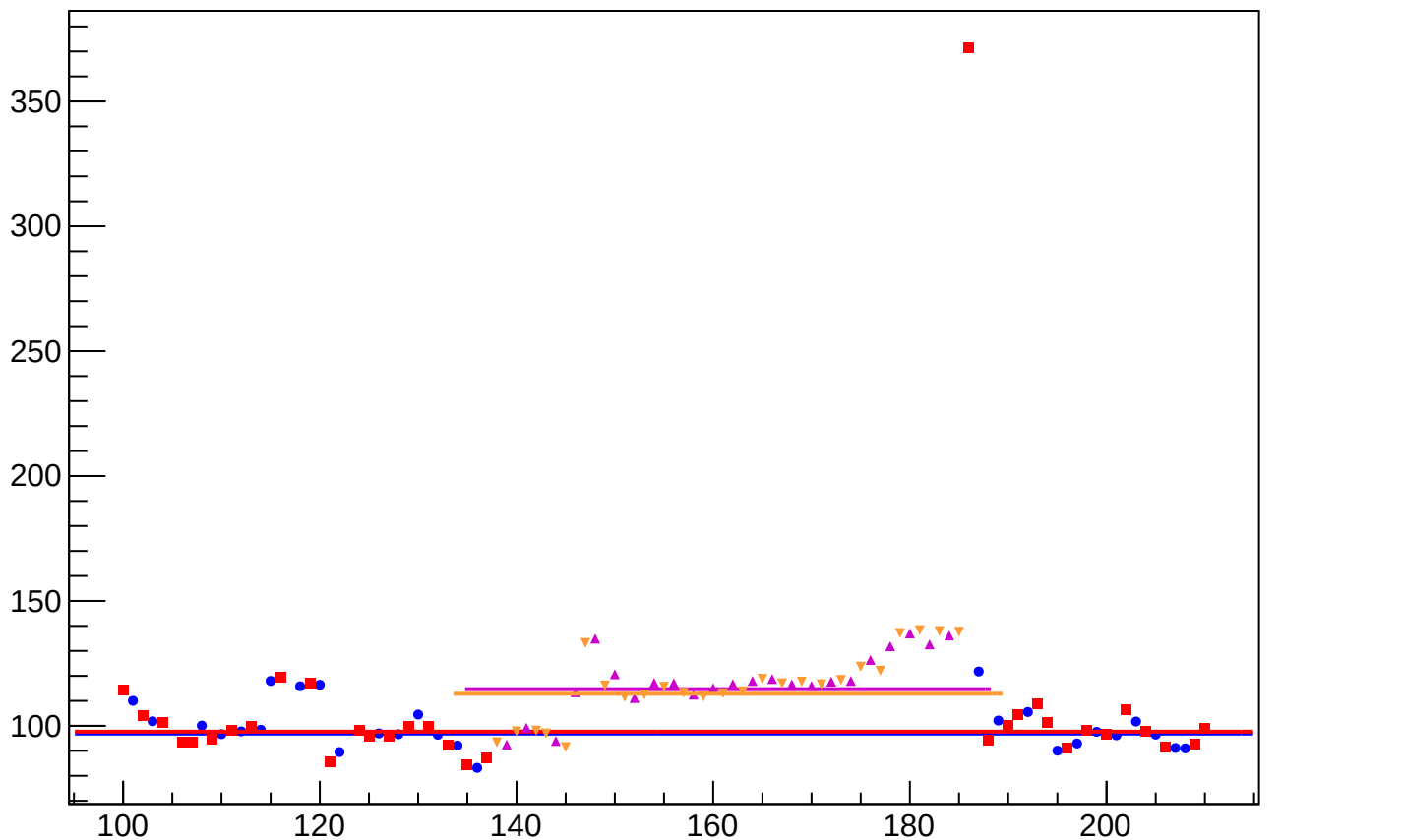
Left In: 162.028 ± 26.948 $\chi^2/\text{NDF}: 23.6/22$

+ sign -97.752 ± 17.748 $\chi^2/\text{NDF}: 74.9/51$

All: -9.399 ± 12.482 $\chi^2/\text{NDF}: 191.5/107$

- sign 77.077 ± 17.559 $\chi^2/\text{NDF}: 67.6/55$

dit_asym_sam_15_dd_rms vs Slug



Right In: 96.902 $\pm$ 0.017 χ^2 /NDF: 204836.1/26

Left Out: 112.850 $\pm$ 0.018 χ^2 /NDF: 512260.6/24

Right Out: 97.673 $\pm$ 0.016 χ^2 /NDF: 615346.2/32

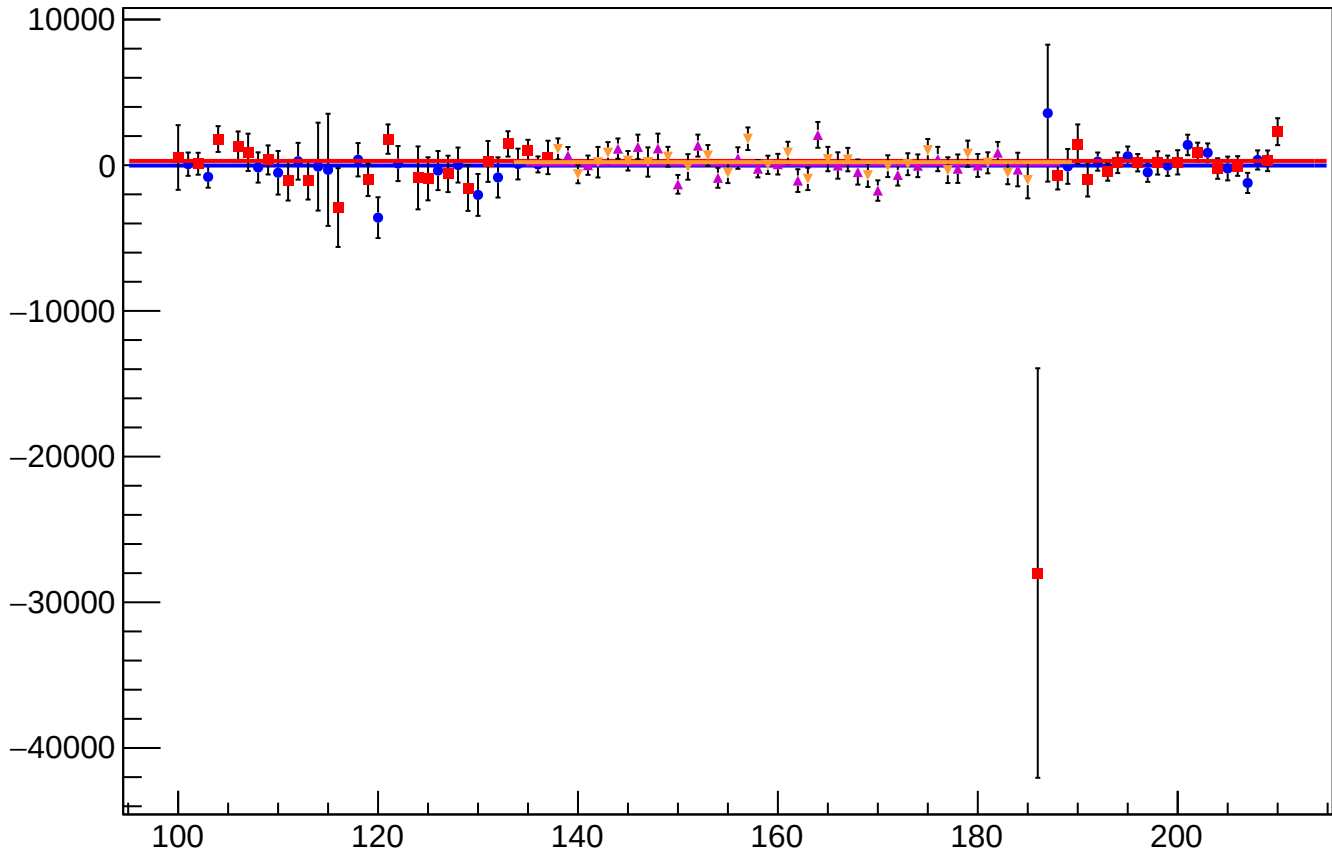
Left In: 114.677 $\pm$ 0.019 χ^2 /NDF: 409932.2/22

+ sign 104.437 $\pm$ 0.013 χ^2 /NDF: 1119584.4/51

All: 104.667 $\pm$ 0.009 χ^2 /NDF: 2603777.1/107

- sign 104.892 $\pm$ 0.012 χ^2 /NDF: 1483528.5/55

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -22.412 ± 170.991 χ^2/NDF : 21.8/26

Left Out: 209.377 ± 153.925 χ^2/NDF : 18.9/24

Right Out: 294.991 ± 162.901 χ^2/NDF : 31.9/32

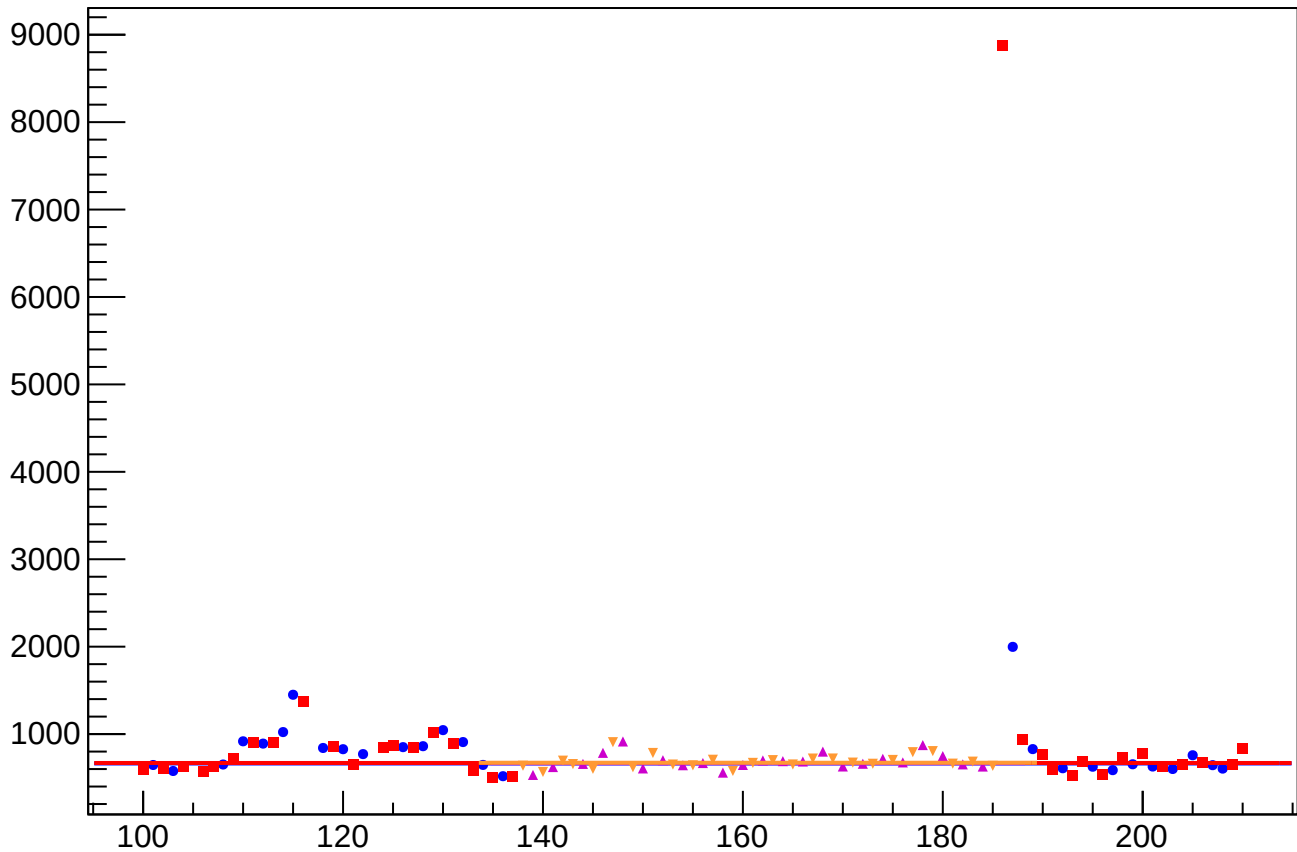
Left In: 50.266 ± 157.485 χ^2/NDF : 33.3/22

+ sign 105.624 ± 114.401 χ^2/NDF : 41.7/51

All: 137.383 ± 80.475 χ^2/NDF : 108.2/107

- sign 168.493 ± 113.225 χ^2/NDF : 66.4/55

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 663.937 $\pm$ 0.121 χ^2 /NDF: 1105907.9/26

Left Out: 671.849 $\pm$ 0.109 χ^2 /NDF:399159.9/24

Right Out: 669.523 $\pm$ 0.115 χ^2 /NDF: 1954035.9/32

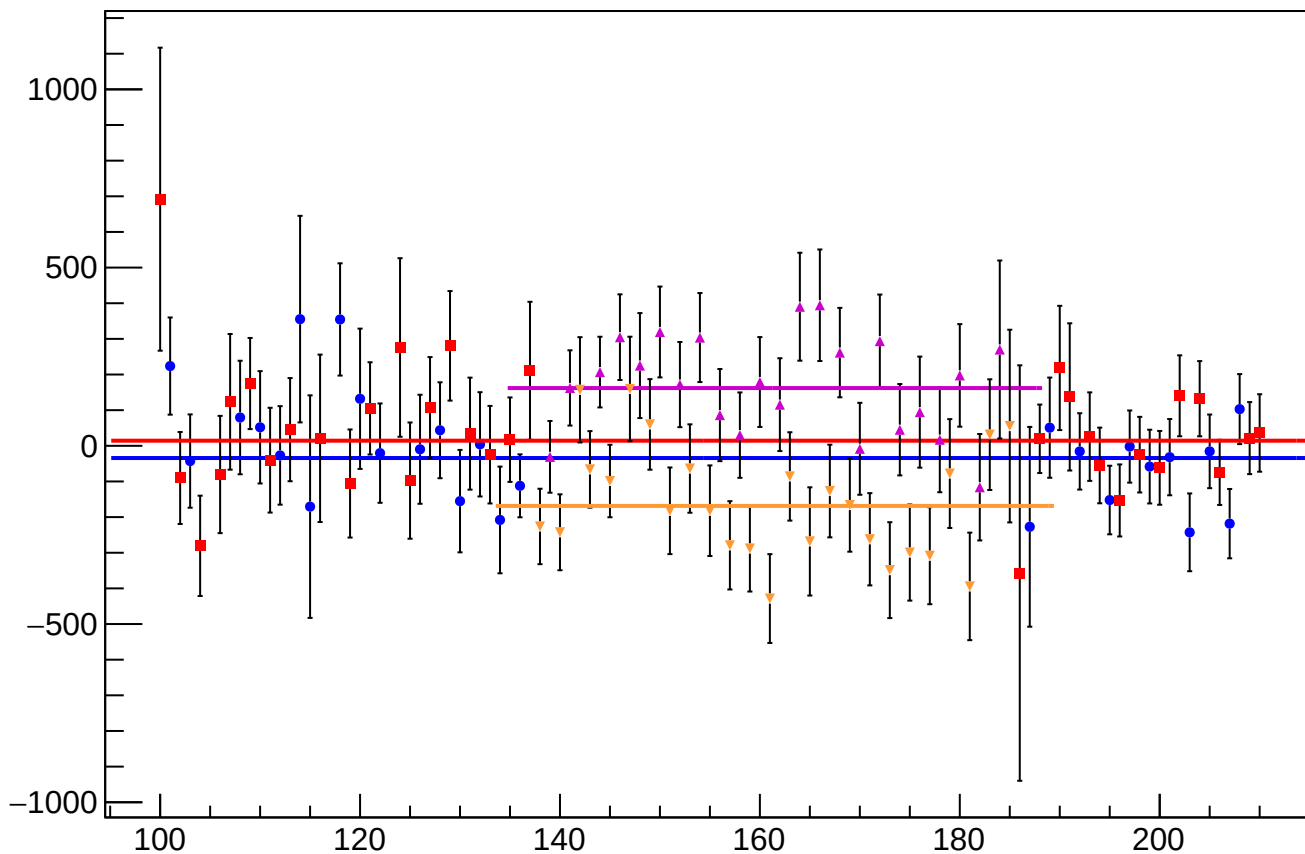
Left In: 667.341 $\pm$ 0.111 χ^2 /NDF:546903.6/22

+ sign 668.307 $\pm$ 0.081 χ^2 /NDF: 1507432.7/51

All: 668.352 $\pm$ 0.057 χ^2 /NDF: 4008558.2/107

- sign 668.395 $\pm$ 0.080 χ^2 /NDF: 2501125.0/55

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -34.257 ± 24.437 χ^2/NDF : 28.2/26

Left Out: -168.635 ± 25.819 χ^2/NDF : 32.4/24

Right Out: 14.400 ± 23.147 χ^2/NDF : 26.7/32

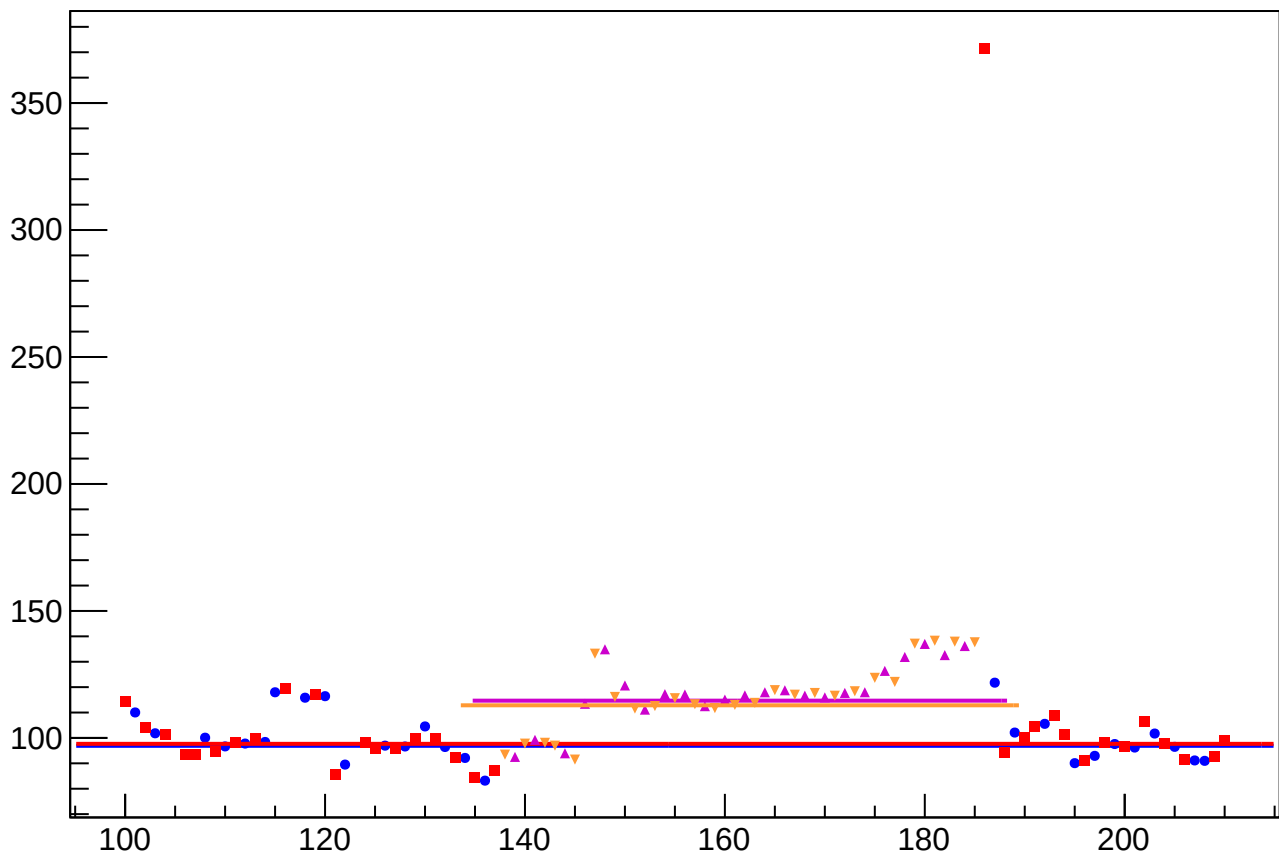
Left In: 162.028 ± 26.948 χ^2/NDF : 23.6/22

+ sign -97.752 ± 17.748 χ^2/NDF : 74.9/51

All: -9.399 ± 12.482 χ^2/NDF : 191.5/107

- sign 77.077 ± 17.559 χ^2/NDF : 67.6/55

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 96.902+/-0.017 χ^2/NDF : 204841.0/26

Left Out: 112.850+/-0.018 χ^2/NDF : 512254.2/24

Right Out: 97.673+/-0.016 χ^2/NDF : 615347.6/32

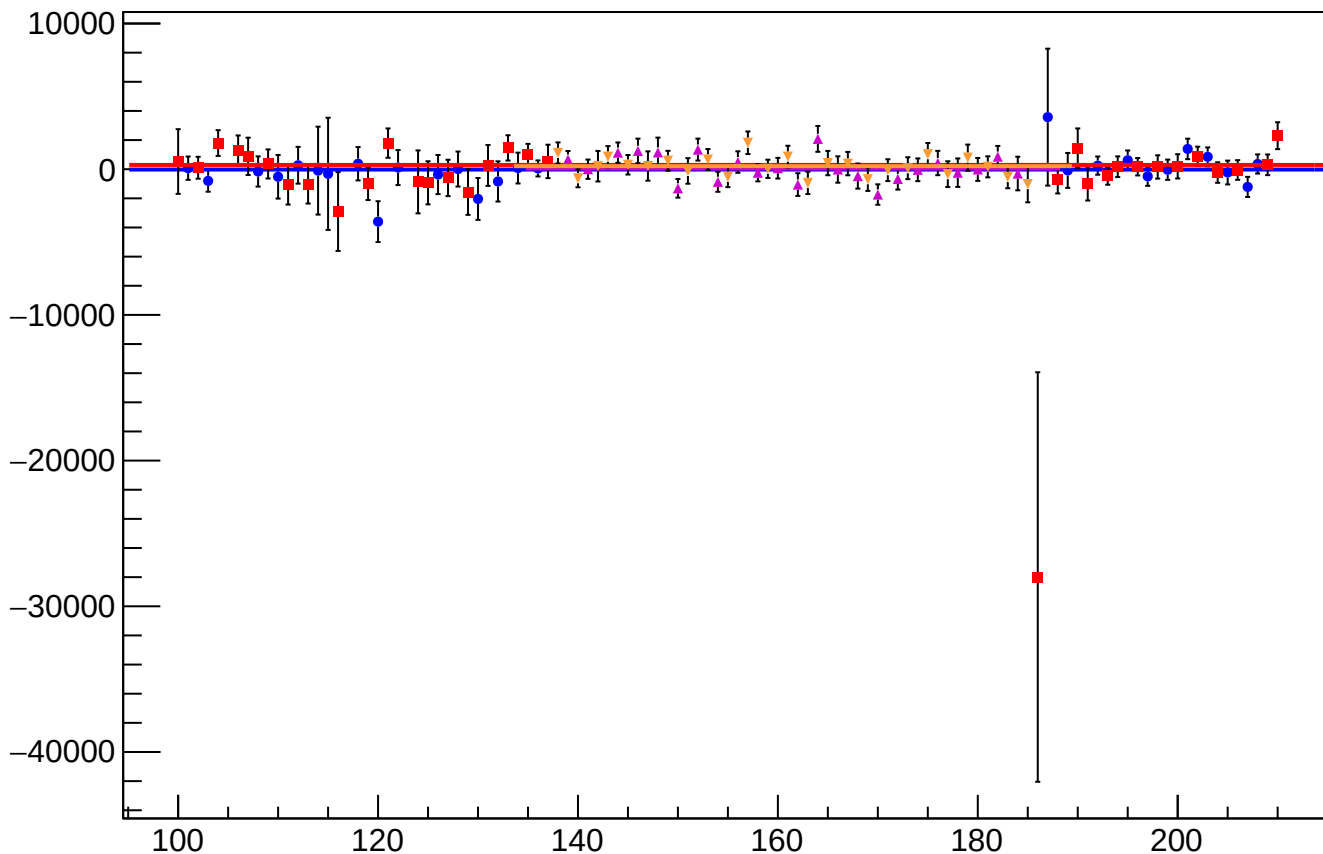
Left In: 114.677+/-0.019 χ^2/NDF : 409929.2/22

+ sign 104.437+/-0.013 χ^2/NDF : 1119593.8/51

All: 104.667+/-0.009 χ^2/NDF : 2603797.4/107

- sign 104.892+/-0.012 χ^2/NDF : 1483539.3/55

asym_sam_15_dd_eigen_dit_correction_mean vs Slug



Right In: -22.412 ± 170.991 χ^2/NDF : 21.8/26

Left Out: 209.377 ± 153.926 χ^2/NDF : 18.9/24

Right Out: 294.991 ± 162.901 χ^2/NDF : 31.9/32

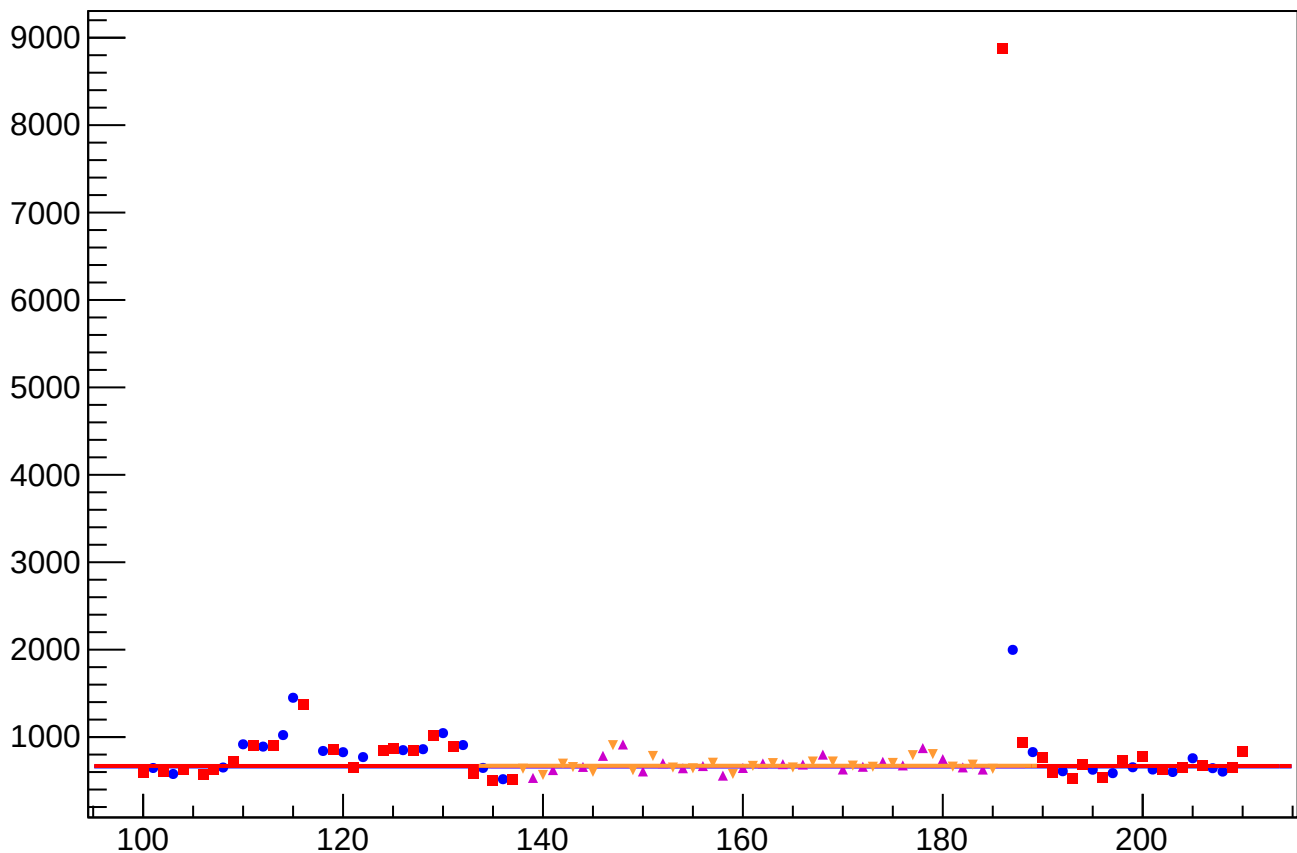
Left In: 50.267 ± 157.485 χ^2/NDF : 33.3/22

+ sign 105.623 ± 114.401 χ^2/NDF : 41.7/51

All: 137.383 ± 80.475 χ^2/NDF : 108.2/107

- sign 168.494 ± 113.225 χ^2/NDF : 66.4/55

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 663.937 $\pm$ 0.121 χ^2 /NDF: 1105908.9/26

Left Out: 671.849 $\pm$ 0.109 χ^2 /NDF: 399160.3/24

Right Out: 669.522 $\pm$ 0.115 χ^2 /NDF: 1954040.8/32

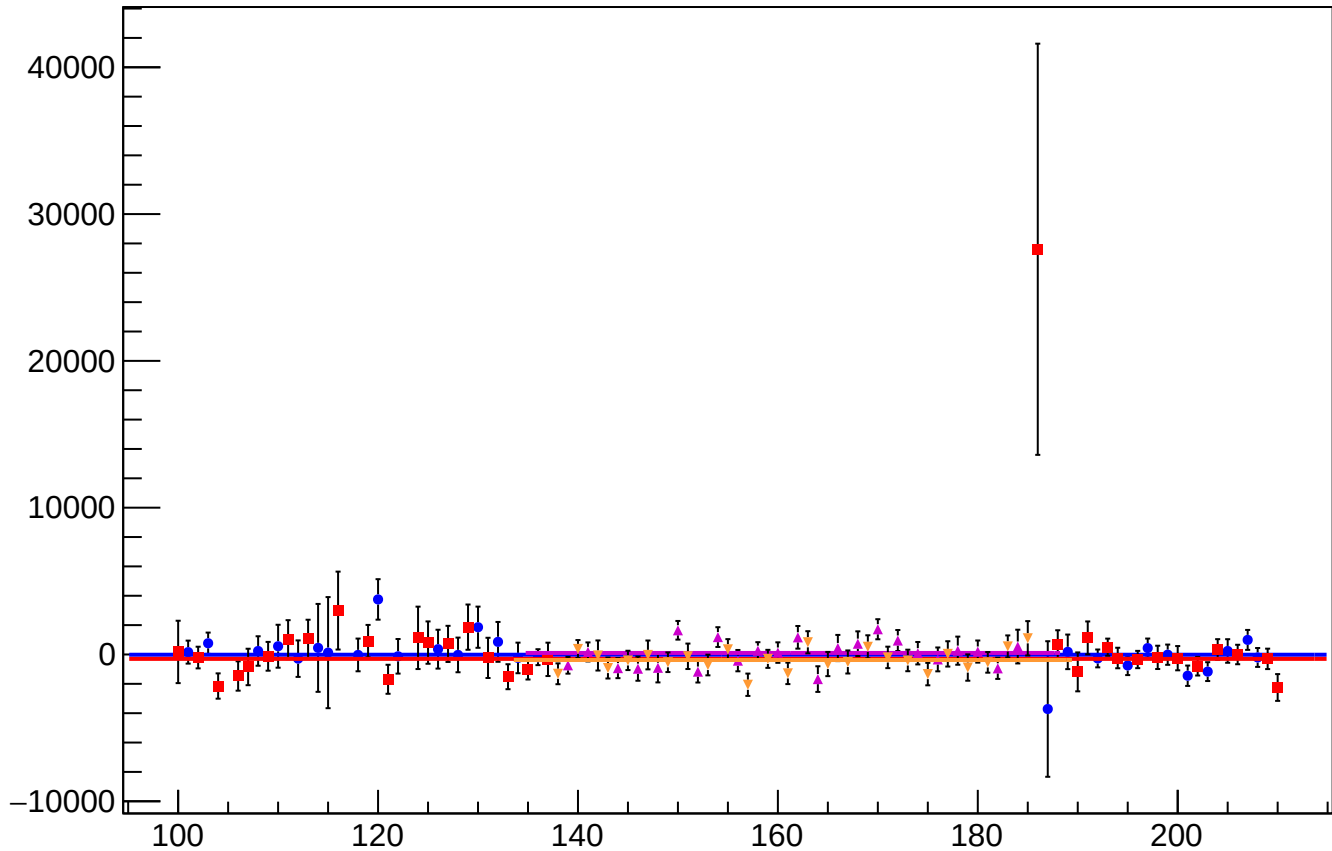
Left In: 667.342 $\pm$ 0.111 χ^2 /NDF: 546905.8/22

+ sign 668.307 $\pm$ 0.081 χ^2 /NDF: 1507434.7/51

All: 668.352 $\pm$ 0.057 χ^2 /NDF: 4008567.2/107

- sign 668.395 $\pm$ 0.080 χ^2 /NDF: 2501131.8/55

asym_sam_15_dd_mean vs Slug



Right In: -17.883 ± 167.982 χ^2/NDF : 23.8/26

Left Out: -377.221 ± 150.952 χ^2/NDF : 21.4/24

Right Out: -299.906 ± 159.665 χ^2/NDF : 35.0/32

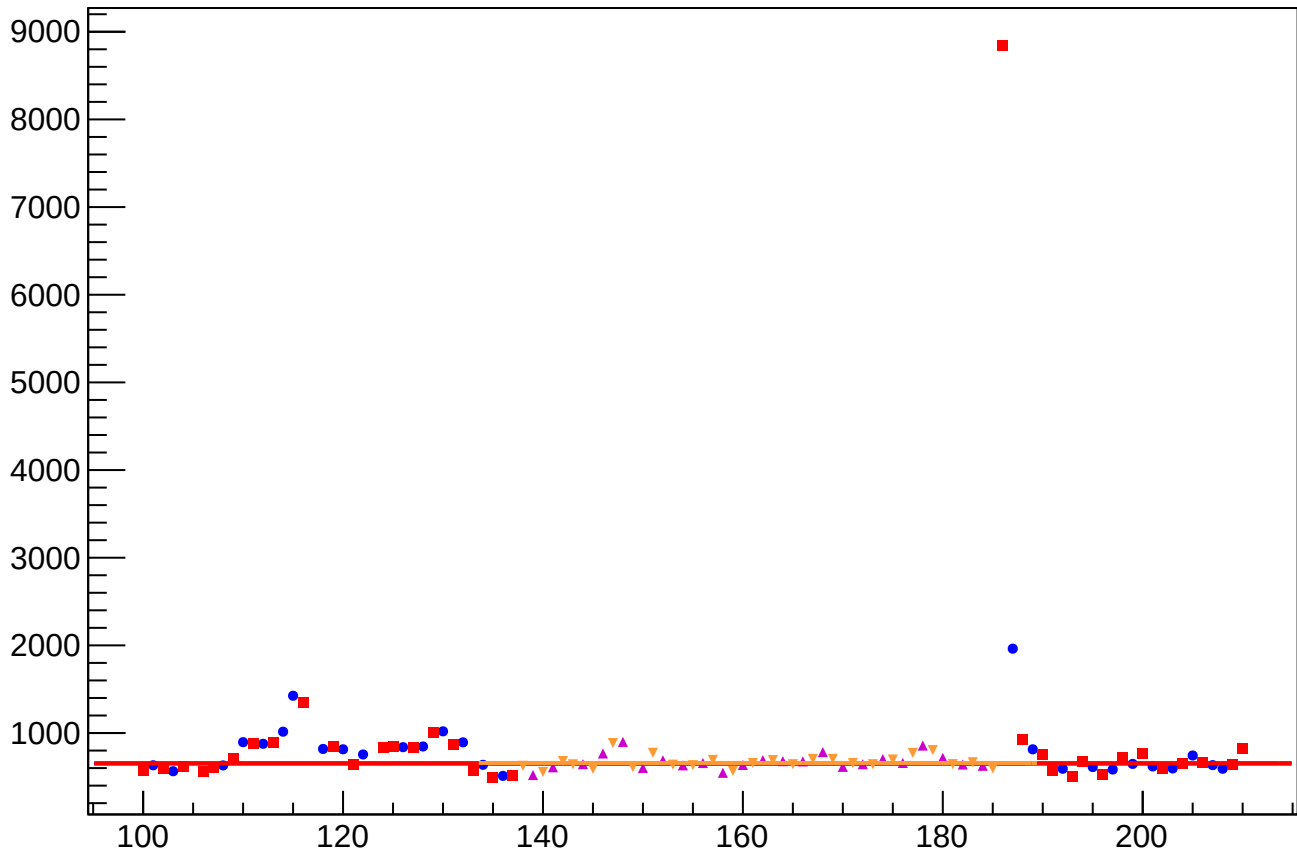
Left In: 103.321 ± 154.335 χ^2/NDF : 35.5/22

+ sign -216.685 ± 112.278 χ^2/NDF : 47.8/51

All: -153.332 ± 78.925 χ^2/NDF : 122.3/107

- sign -91.449 ± 110.968 χ^2/NDF : 73.9/55

asym_sam_15_dd_rms vs Slug



Right In: 652.268+/-0.119 χ^2/NDF : 1095923.6/26

Left Out: 658.672+/-0.107 χ^2/NDF : 409684.4/24

Right Out: 655.722+/-0.113 χ^2/NDF : 199687.6/32

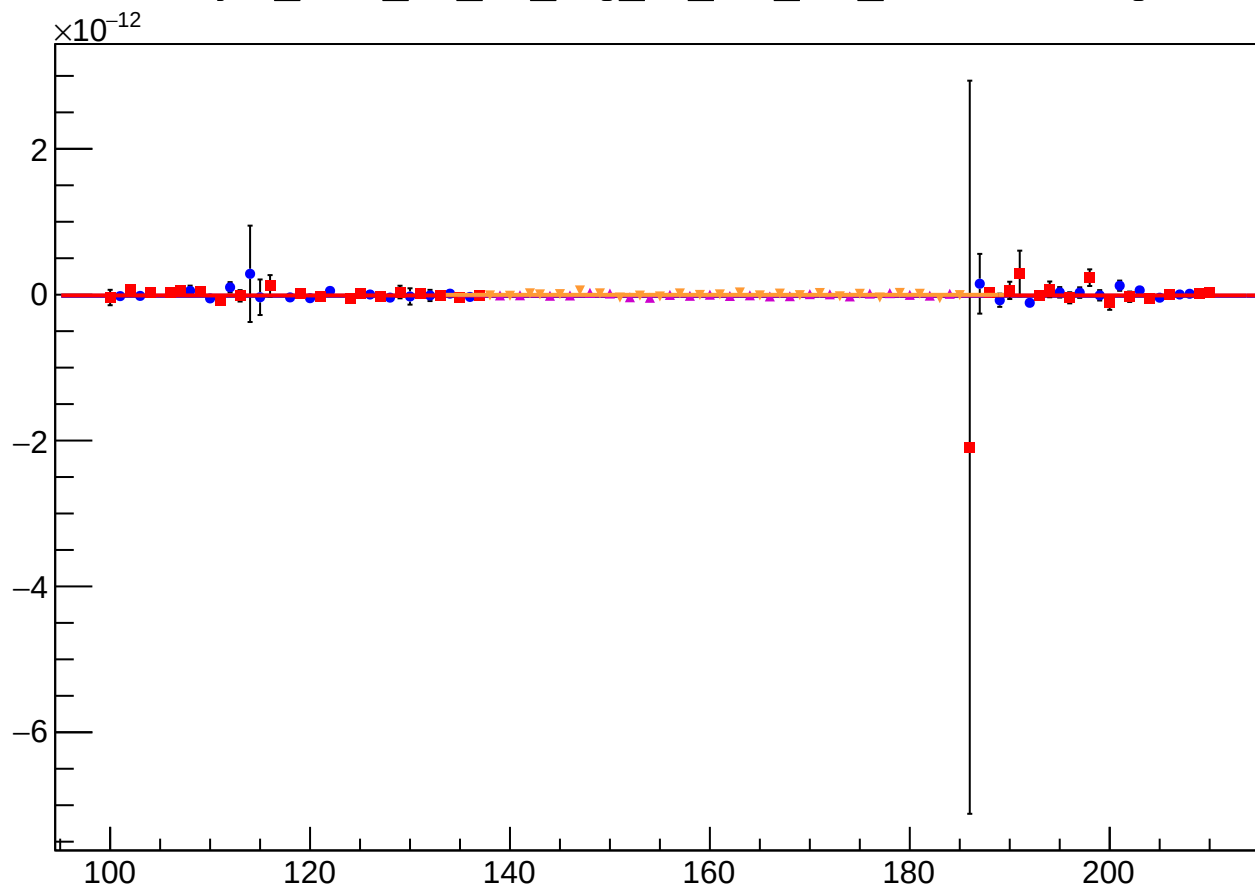
Left In: 653.950+/-0.109 χ^2/NDF : 542078.1/22

+ sign 655.811+/-0.079 χ^2/NDF : 1507216.3/51

All: 655.302+/-0.056 χ^2/NDF : 4046190.5/107

- sign 654.806+/-0.078 χ^2/NDF : 2538893.0/55

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF : 31.8/24

Right Out: -0.000+/-0.000 χ^2/NDF : 26.9/32

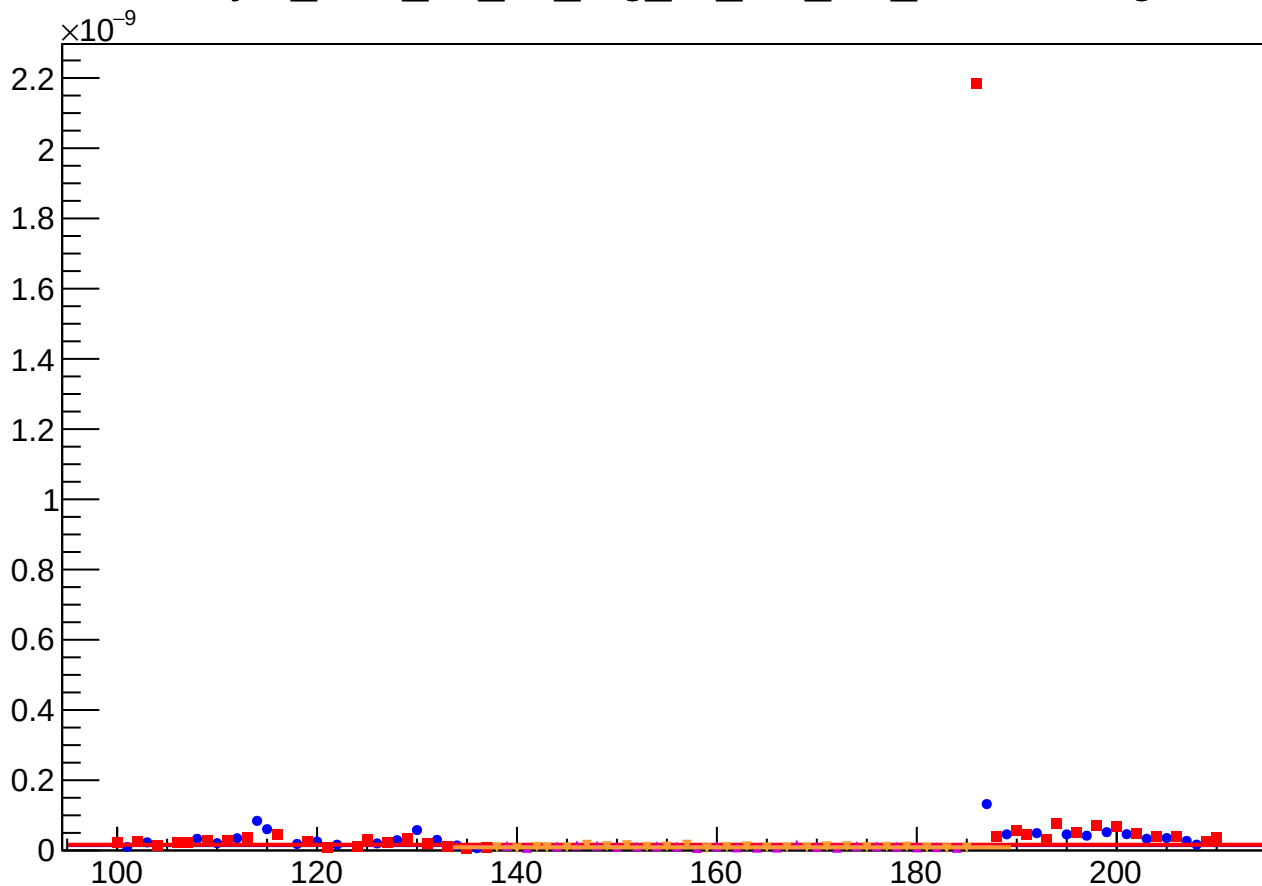
Left In: -0.000+/-0.000 χ^2/NDF : 15.6/22

+ sign -0.000+/-0.000 χ^2/NDF : 55.7/51

All: -0.000+/-0.000 χ^2/NDF : 99.1/107

- sign -0.000+/-0.000 χ^2/NDF : 42.6/55

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5636618.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7509003.5/32

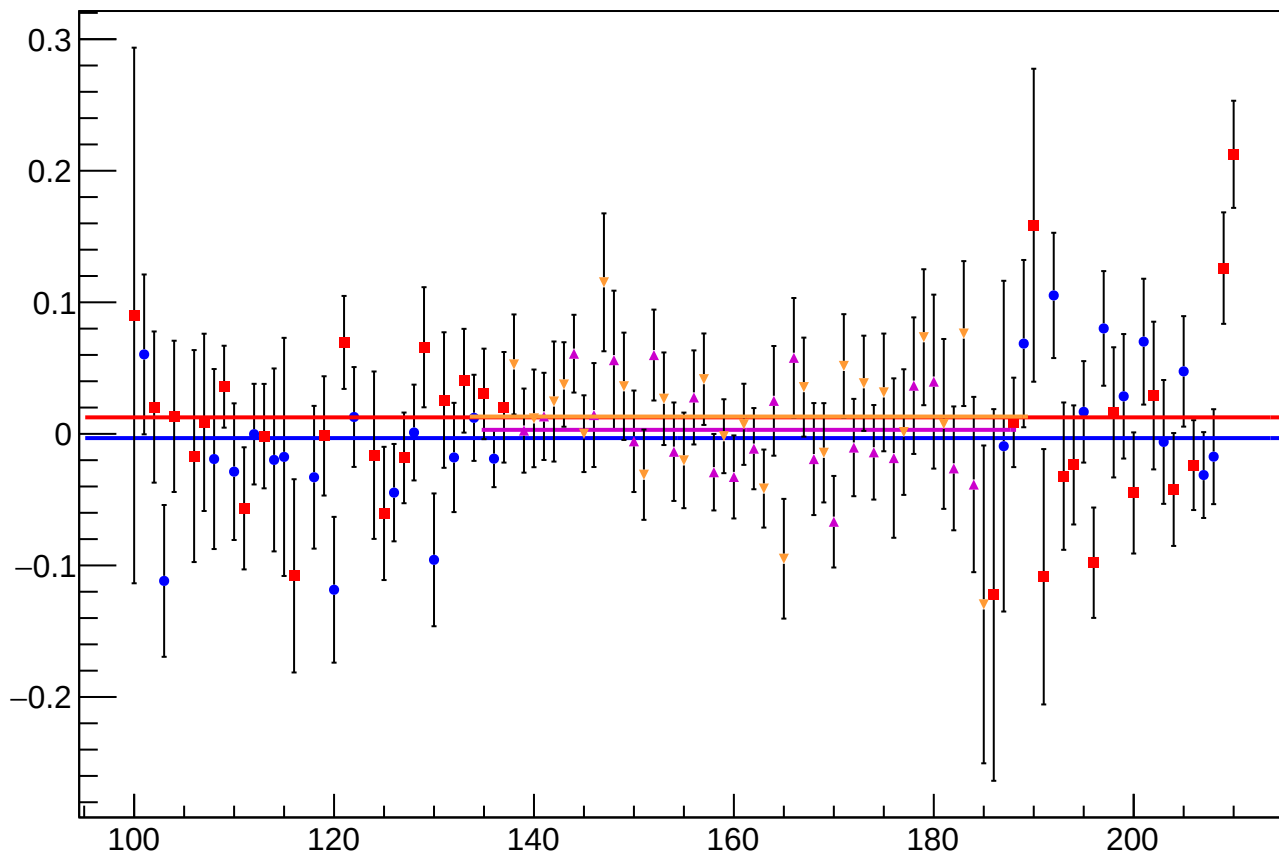
Left In: 0.000+/-0.000 χ^2/NDF : 659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 7943416.0/51

All: 0.000+/-0.000 χ^2/NDF : 17411054.8/107

- sign 0.000+/-0.000 χ^2/NDF : 9276422.5/55

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.008 χ^2/NDF : 30.9/26

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.013 ± 0.008 χ^2/NDF : 61.8/32

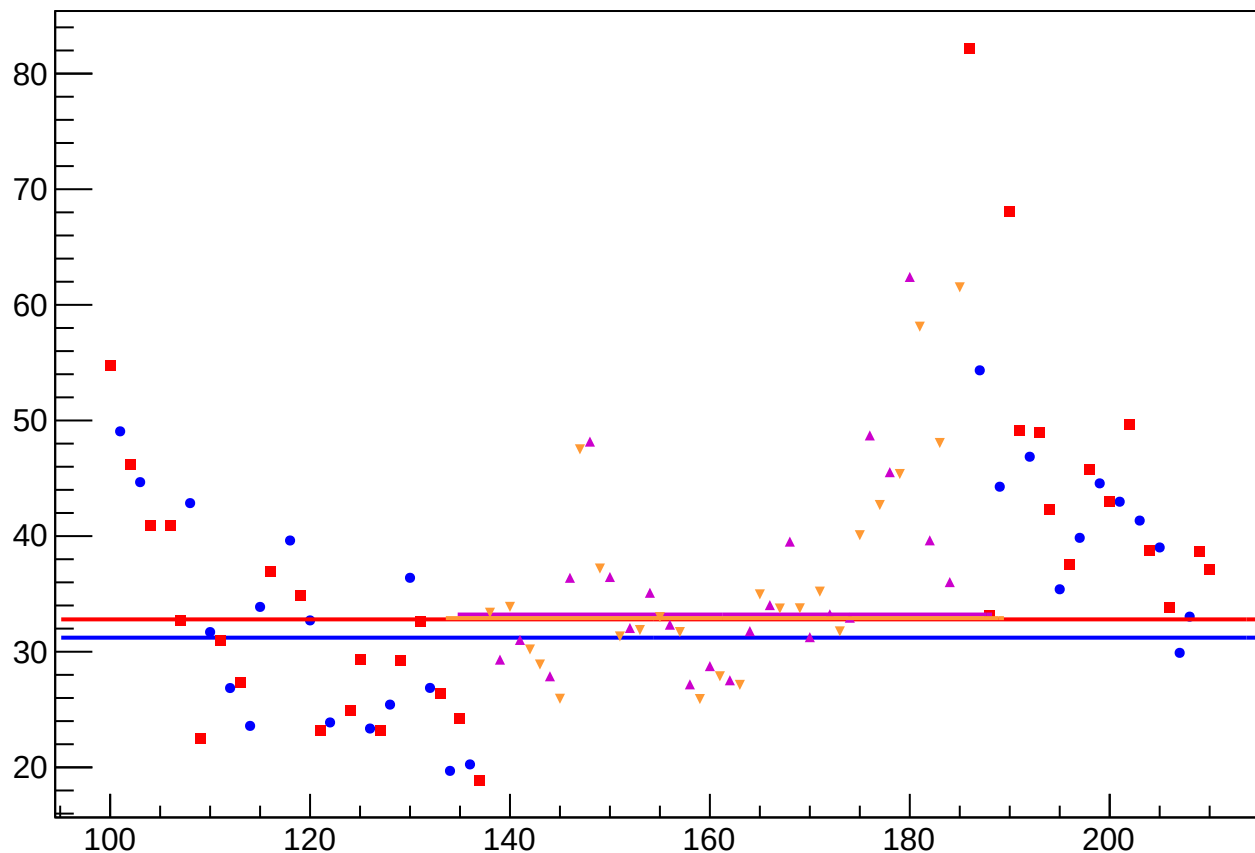
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.006 ± 0.006 χ^2/NDF : 58.3/51

All: 0.007 ± 0.004 χ^2/NDF : 140.1/107

- sign 0.008 ± 0.006 χ^2/NDF : 81.7/55

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.217 $\pm$ 0.006 χ^2 /NDF: 2380101.6/26

Left Out: 32.907 $\pm$ 0.005 χ^2 /NDF:1427924.1/24

Right Out: 32.798 $\pm$ 0.006 χ^2 /NDF: 2486342.0/32

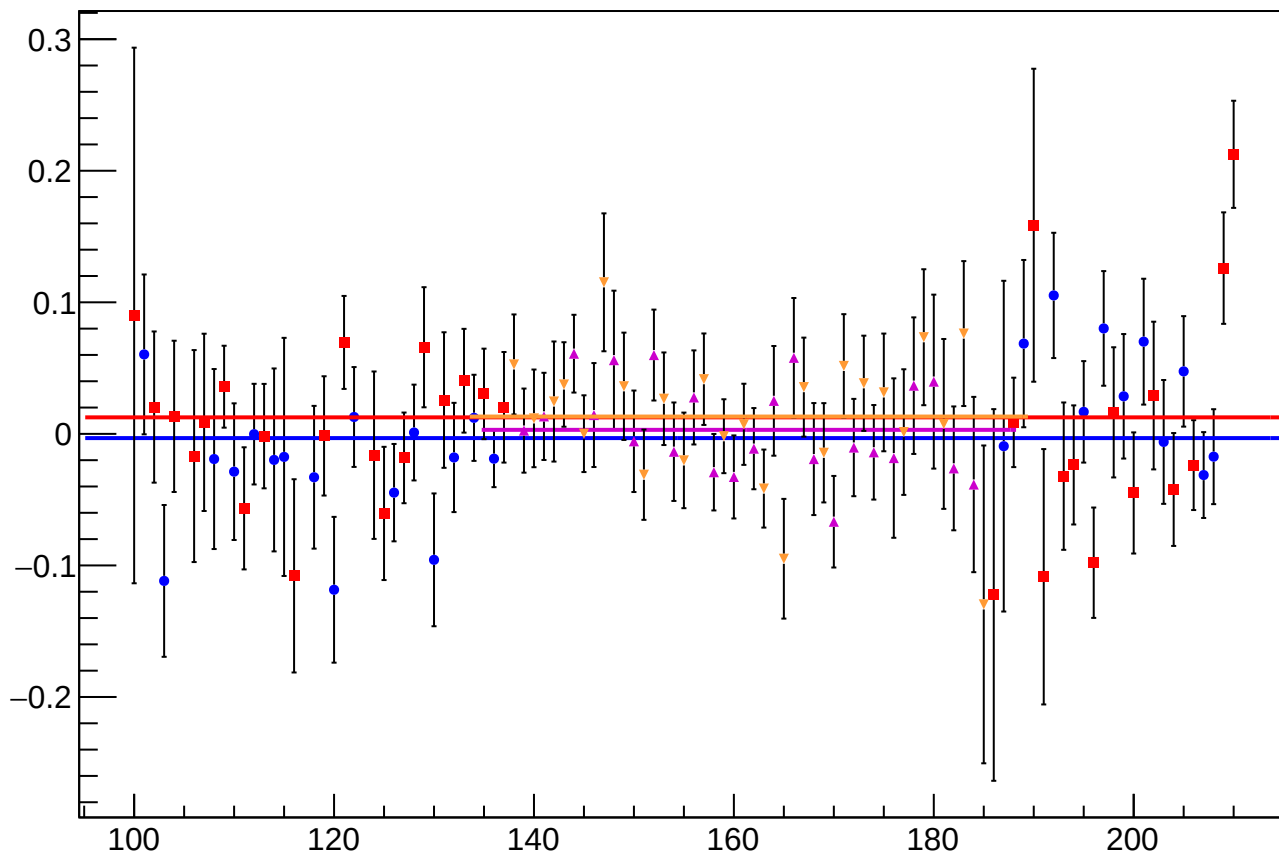
Left In: 33.217 $\pm$ 0.006 χ^2 /NDF:1221447.0/22

+ sign 32.125 $\pm$ 0.004 χ^2 /NDF: 3852900.1/51

All: 32.564 $\pm$ 0.003 χ^2 /NDF: 7587980.7/107

- sign 33.011 $\pm$ 0.004 χ^2 /NDF: 3710508.4/55

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.008 χ^2/NDF : 30.9/26

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.013 ± 0.008 χ^2/NDF : 61.8/32

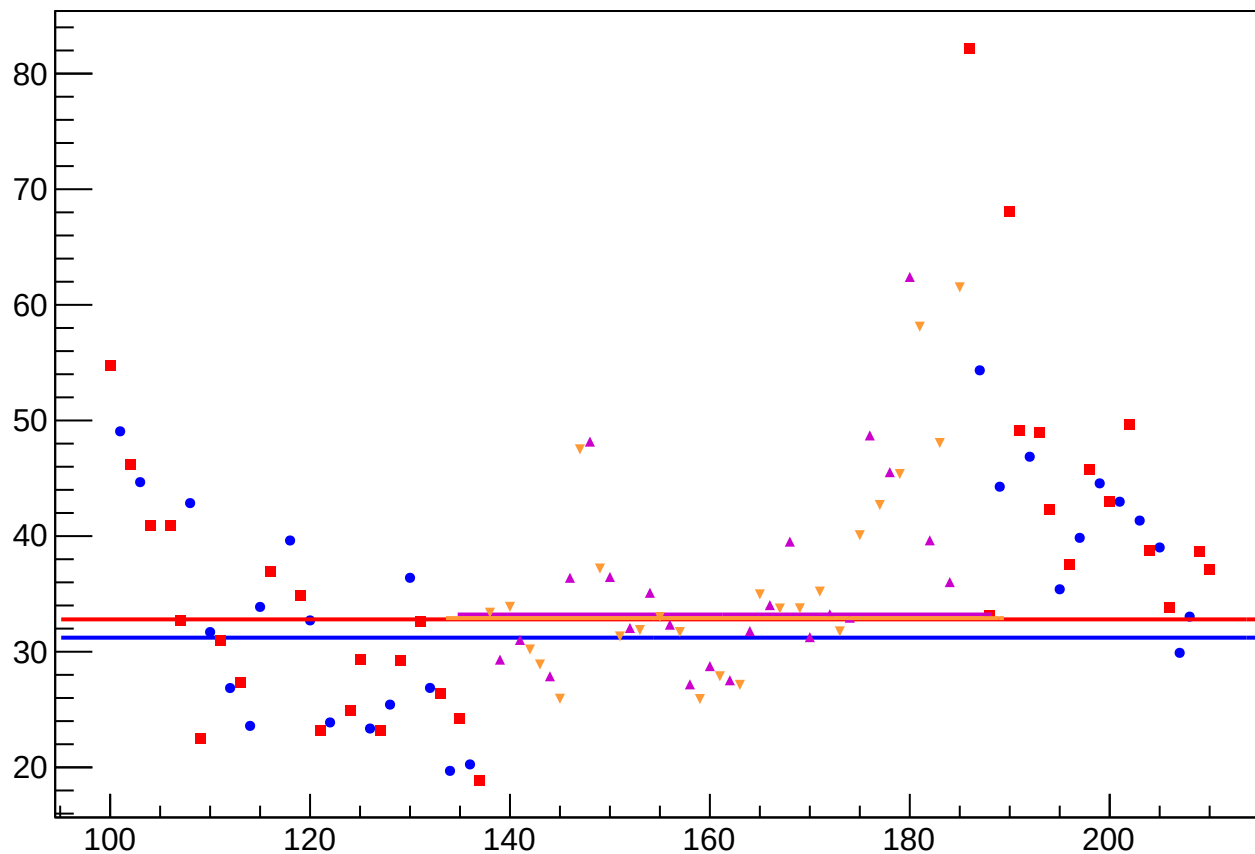
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.006 ± 0.006 χ^2/NDF : 58.3/51

All: 0.007 ± 0.004 χ^2/NDF : 140.1/107

- sign 0.008 ± 0.006 χ^2/NDF : 81.7/55

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.217 $\pm$ 0.006 χ^2 /NDF: 2380101.6/26

Left Out: 32.907 $\pm$ 0.005 χ^2 /NDF: 1427924.1/24

Right Out: 32.798 $\pm$ 0.006 χ^2 /NDF: 2486342.0/32

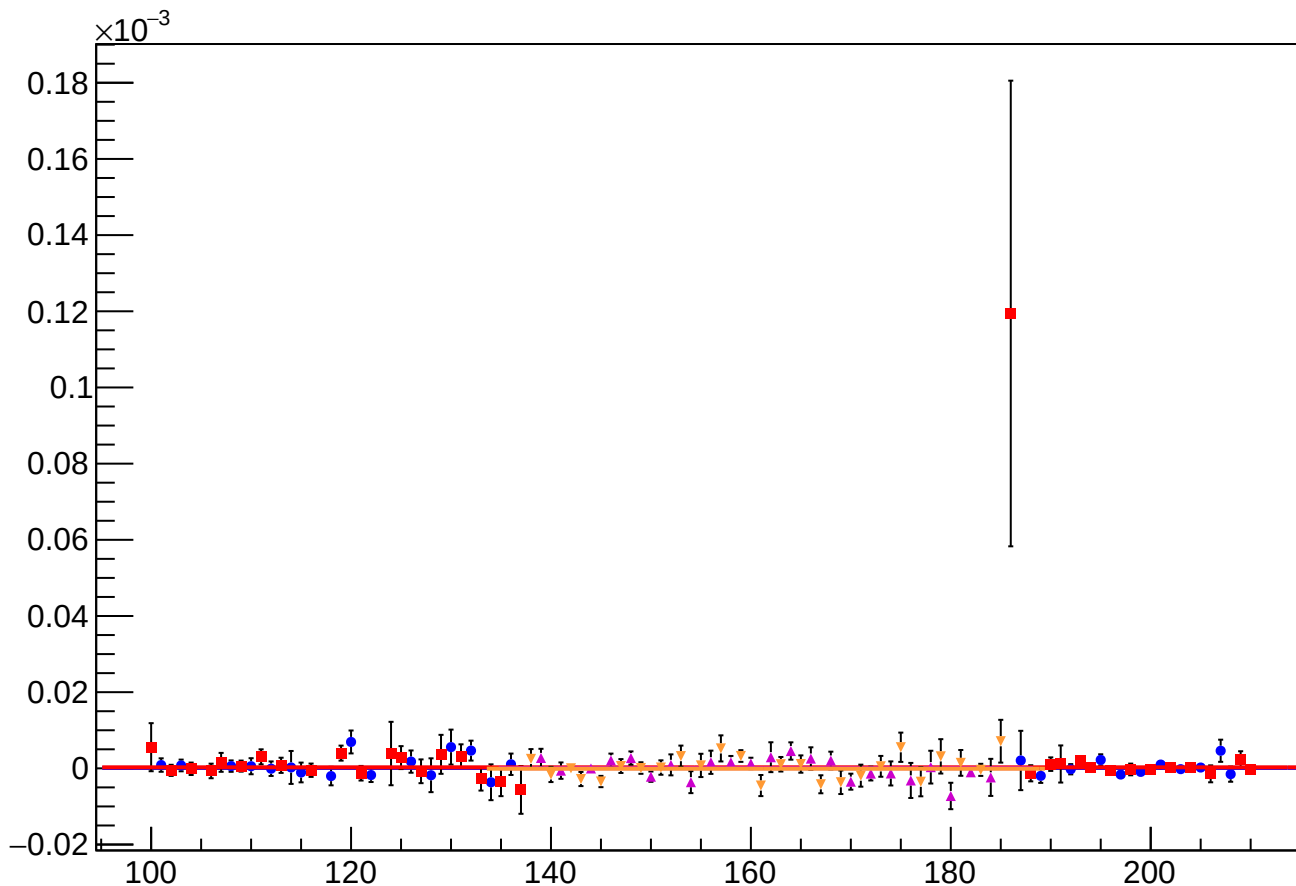
Left In: 33.217 $\pm$ 0.006 χ^2 /NDF: 1221447.0/22

+ sign 32.125 $\pm$ 0.004 χ^2 /NDF: 3852900.1/51

All: 32.564 $\pm$ 0.003 χ^2 /NDF: 7587980.7/107

- sign 33.011 $\pm$ 0.004 χ^2 /NDF: 3710508.4/55

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.4/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:31.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.1/32

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:27.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 55.6/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 106.2/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 50.4/55

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 5773760.1/26

Left Out: 0.001+/-0.000 χ^2/NDF : 11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF : 6004295.6/32

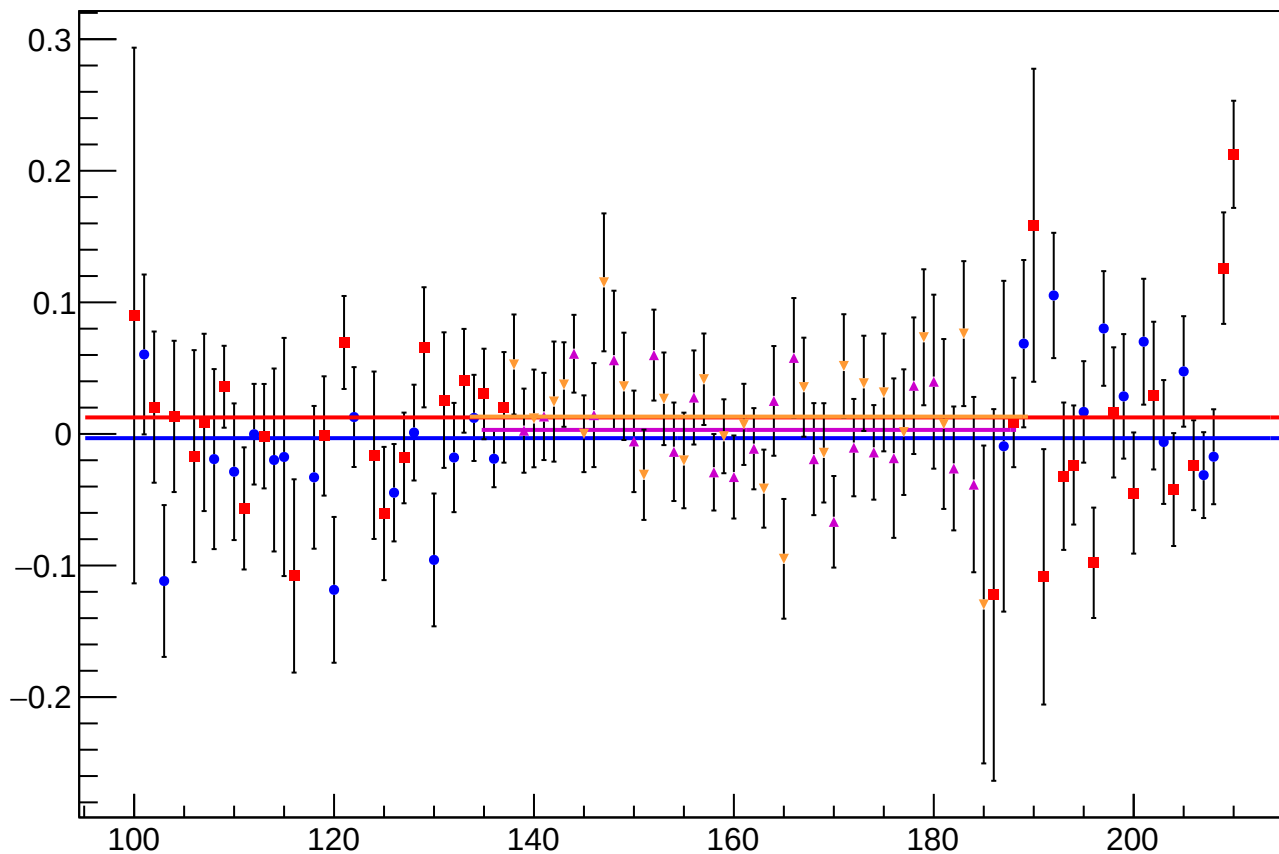
Left In: 0.001+/-0.000 χ^2/NDF : 9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF : 17842964.8/51

All: 0.001+/-0.000 χ^2/NDF : 34352803.1/107

- sign 0.001+/-0.000 χ^2/NDF : 16504643.0/55

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.008 χ^2/NDF : 30.9/26

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.013 ± 0.008 χ^2/NDF : 61.8/32

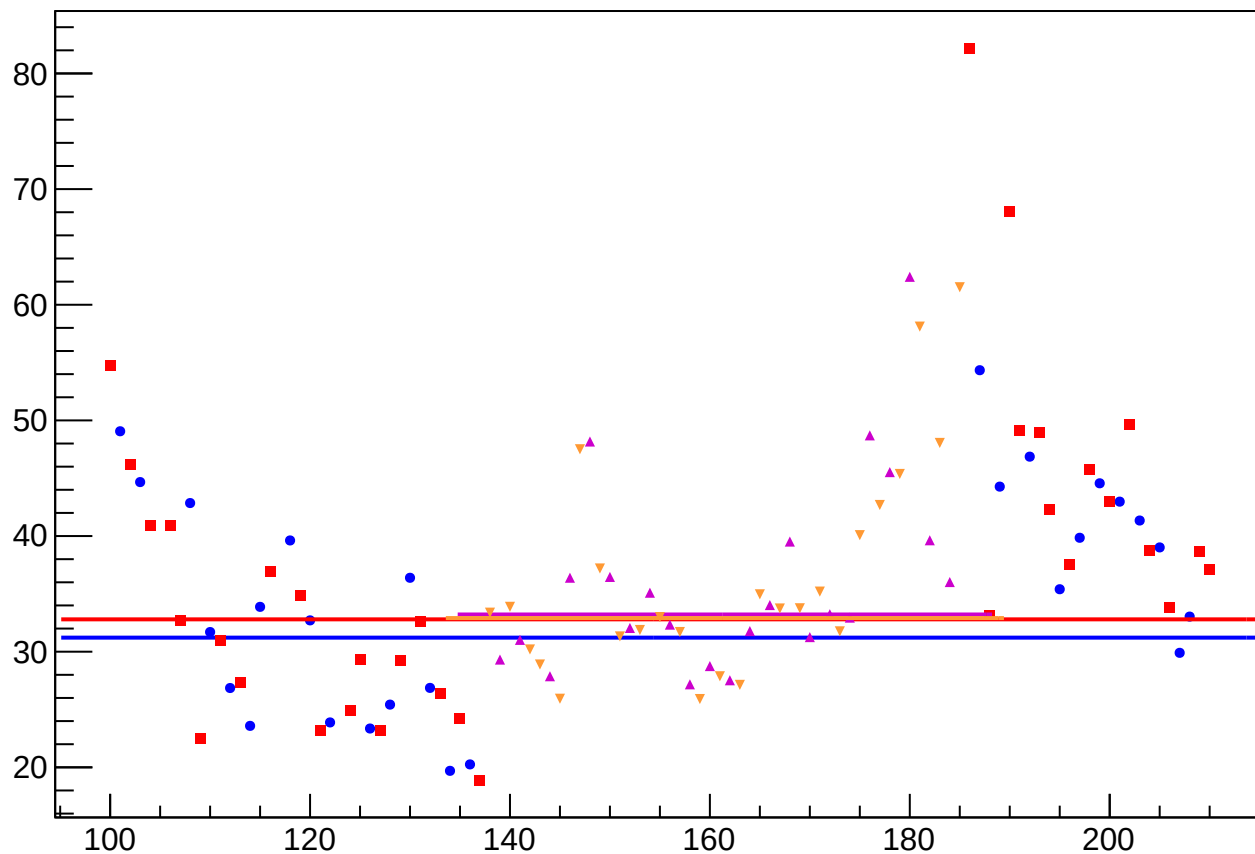
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.006 ± 0.006 χ^2/NDF : 58.3/51

All: 0.007 ± 0.004 χ^2/NDF : 140.1/107

- sign 0.008 ± 0.006 χ^2/NDF : 81.7/55

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.216 $\pm$ 0.006 χ^2 /NDF: 2380302.1/26

Left Out: 32.907 $\pm$ 0.005 χ^2 /NDF: 1427993.7/24

Right Out: 32.797 $\pm$ 0.006 χ^2 /NDF: 2486685.3/32

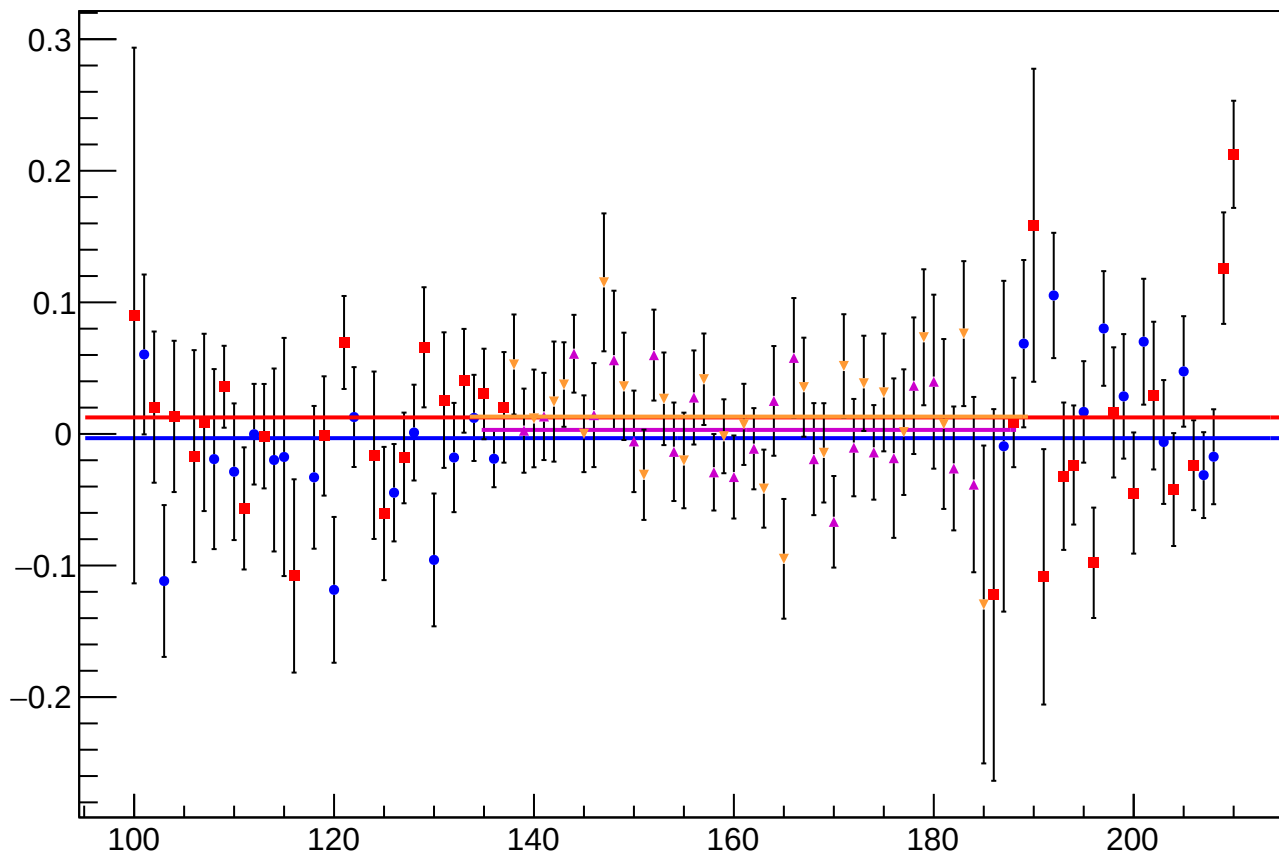
Left In: 33.217 $\pm$ 0.006 χ^2 /NDF: 1221516.5/22

+ sign 32.124 $\pm$ 0.004 χ^2 /NDF: 3853214.1/51

All: 32.563 $\pm$ 0.003 χ^2 /NDF: 7588719.4/107

- sign 33.010 $\pm$ 0.004 χ^2 /NDF: 3710935.5/55

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.008 χ^2/NDF : 30.9/26

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.013 ± 0.008 χ^2/NDF : 61.8/32

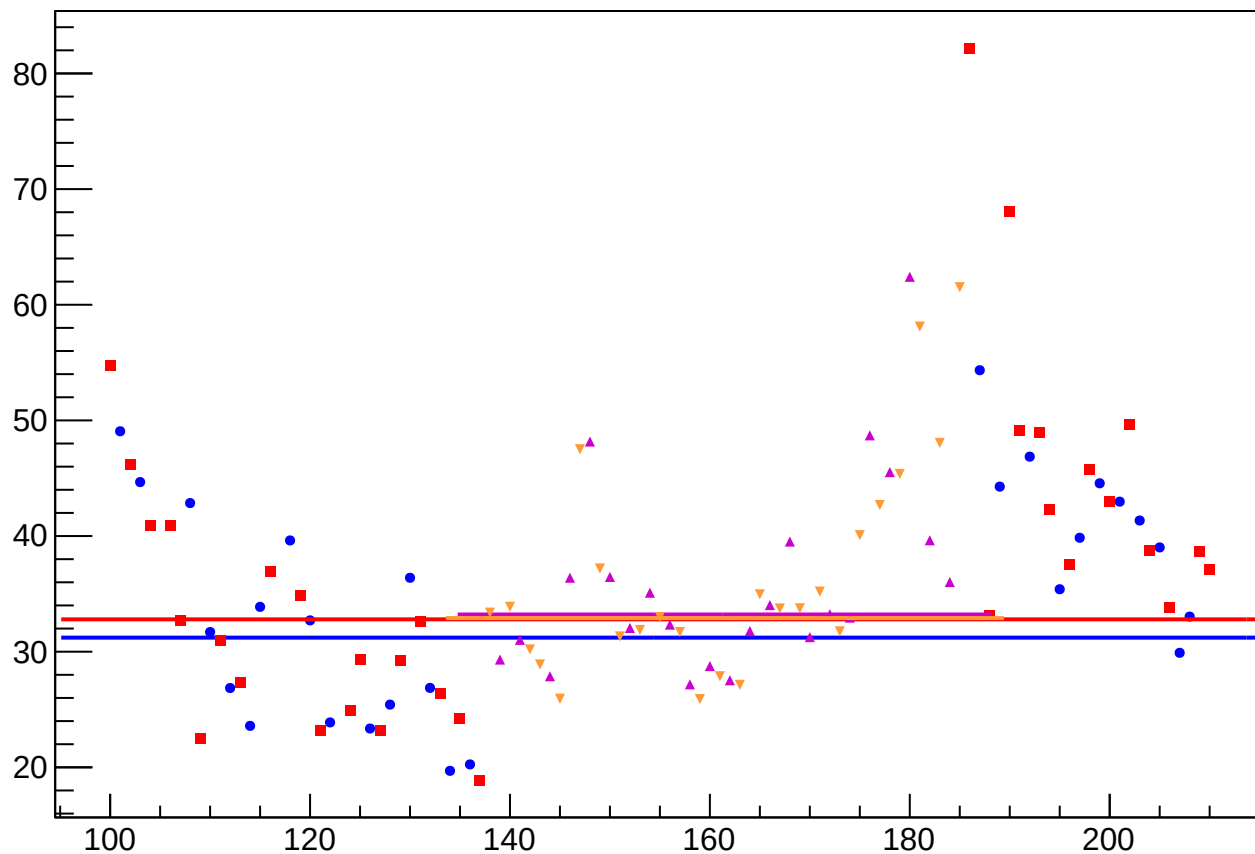
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.006 ± 0.006 χ^2/NDF : 58.3/51

All: 0.007 ± 0.004 χ^2/NDF : 140.1/107

- sign 0.008 ± 0.006 χ^2/NDF : 81.7/55

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.216 $\pm$ 0.006 χ^2 /NDF: 2380302.1/26

Left Out: 32.907 $\pm$ 0.005 χ^2 /NDF: 1427993.7/24

Right Out: 32.797 $\pm$ 0.006 χ^2 /NDF: 2486685.3/32

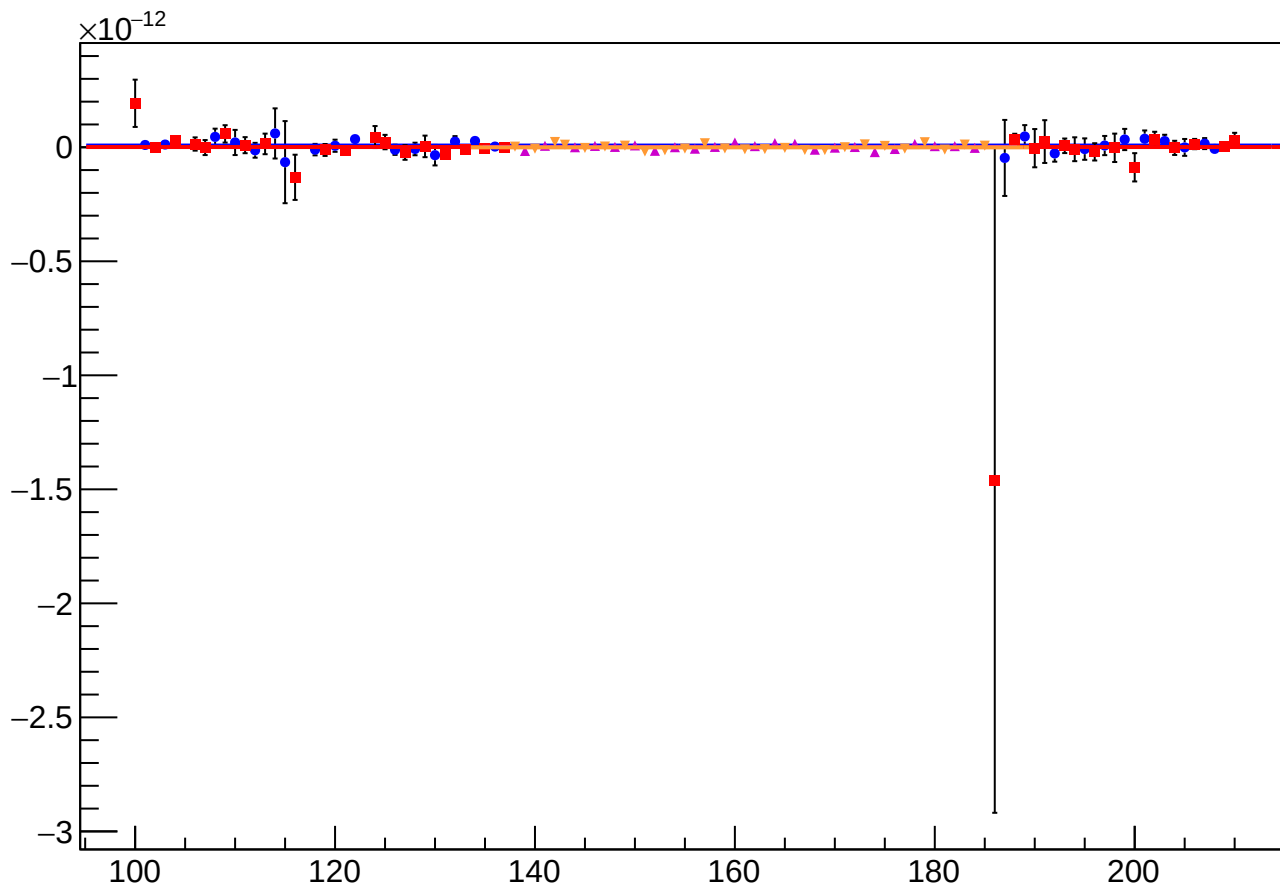
Left In: 33.217 $\pm$ 0.006 χ^2 /NDF: 1221516.5/22

+ sign 32.124 $\pm$ 0.004 χ^2 /NDF: 3853214.1/51

All: 32.563 $\pm$ 0.003 χ^2 /NDF: 7588719.4/107

- sign 33.010 $\pm$ 0.004 χ^2 /NDF: 3710935.5/55

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12.2/26

Left Out: -0.000+/-0.000 χ^2/NDF : 31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 22.5/32

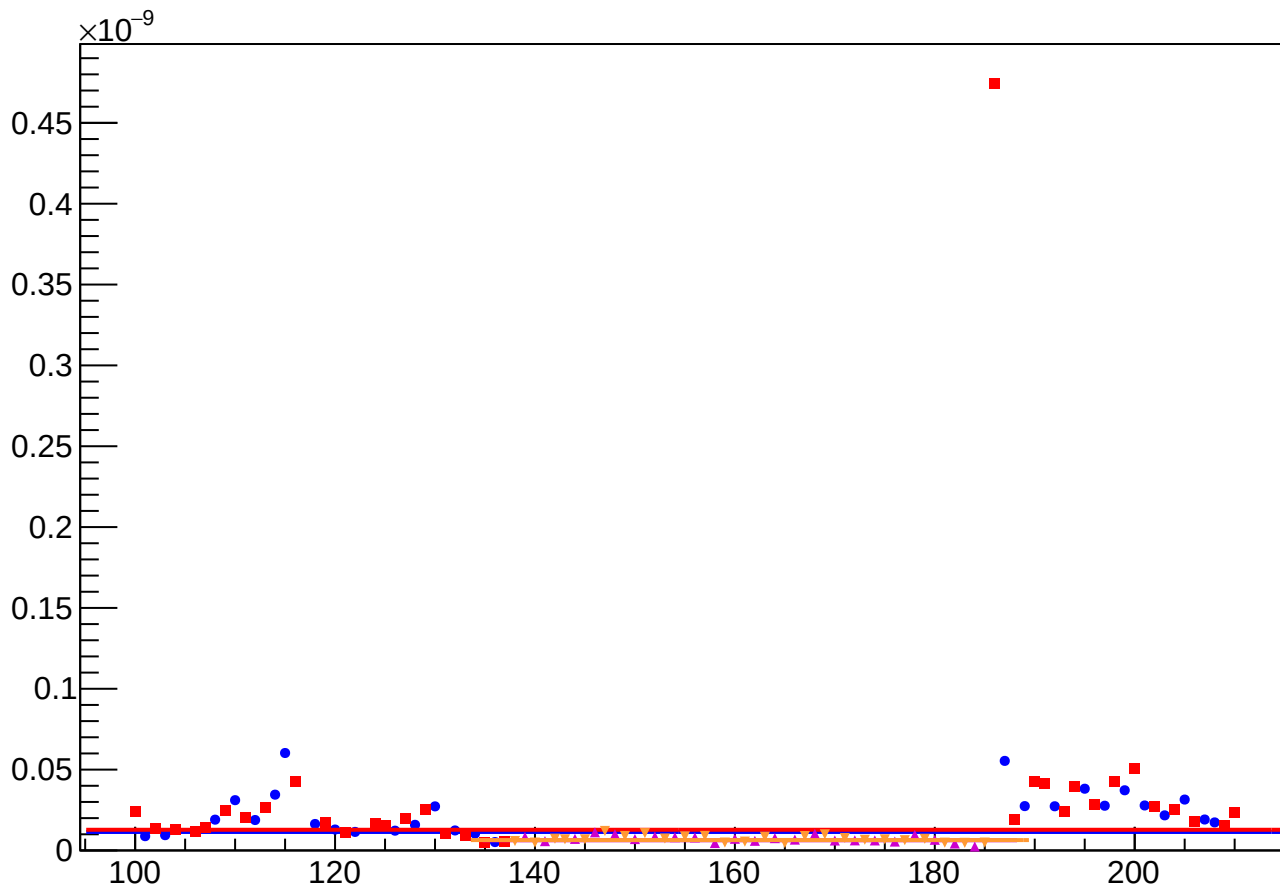
Left In: 0.000+/-0.000 χ^2/NDF : 25.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 46.2/51

All: 0.000+/-0.000 χ^2/NDF : 94.0/107

- sign 0.000+/-0.000 χ^2/NDF : 47.8/55

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6927311.3/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7429151.4/32

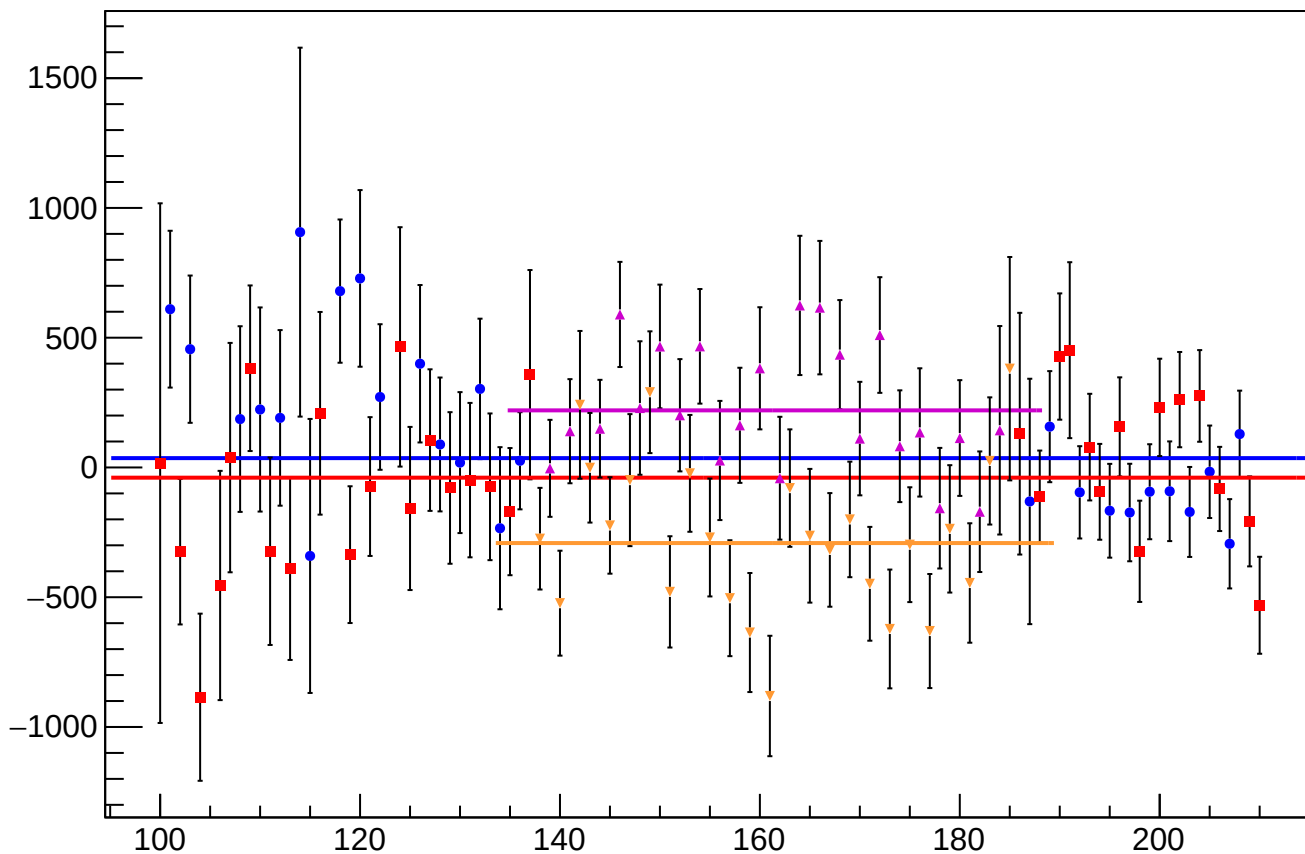
Left In: 0.000+/-0.000 χ^2/NDF : 2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 11237212.3/51

All: 0.000+/-0.000 χ^2/NDF : 24536779.2/107

- sign 0.000+/-0.000 χ^2/NDF : 13295210.0/55

reg_asym_sam_26_dd_mean vs Slug



Right In: 35.964 ± 45.336 χ^2/NDF : 31.9/26

Left Out: -291.313 ± 45.614 χ^2/NDF : 36.4/24

Right Out: -39.367 ± 43.044 χ^2/NDF : 42.4/32

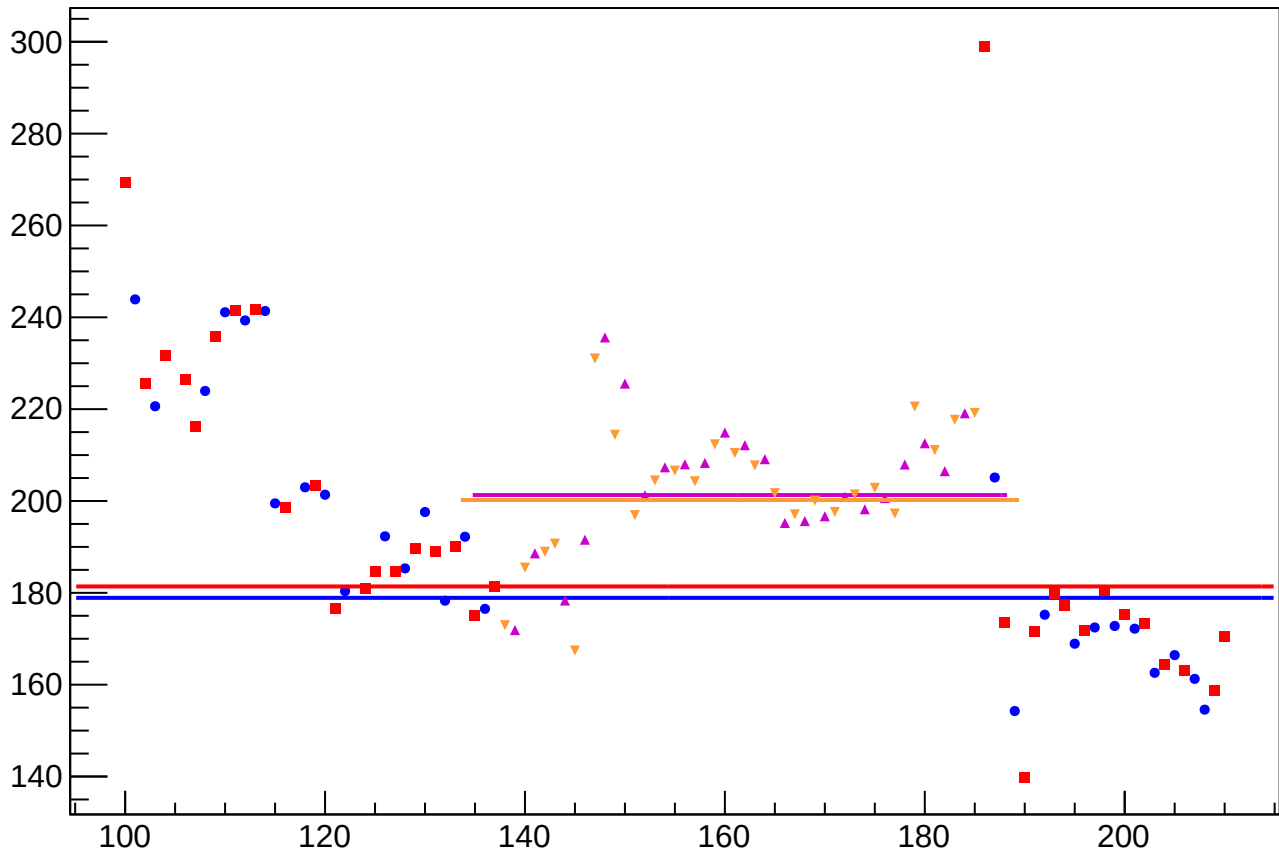
Left In: 219.974 ± 47.146 χ^2/NDF : 23.7/22

+ sign -126.676 ± 32.155 χ^2/NDF : 94.1/51

All: -22.893 ± 22.606 χ^2/NDF : 197.3/107

- sign 78.532 ± 31.788 χ^2/NDF : 82.6/55

reg_asym_sam_26_dd_rms vs Slug



Right In: 178.908 $\pm$ 0.032 χ^2 /NDF: 480017.7/26

Left Out: 200.210 $\pm$ 0.032 χ^2 /NDF:204393.9/24

Right Out: 181.391 $\pm$ 0.030 χ^2 /NDF: 634180.9/32

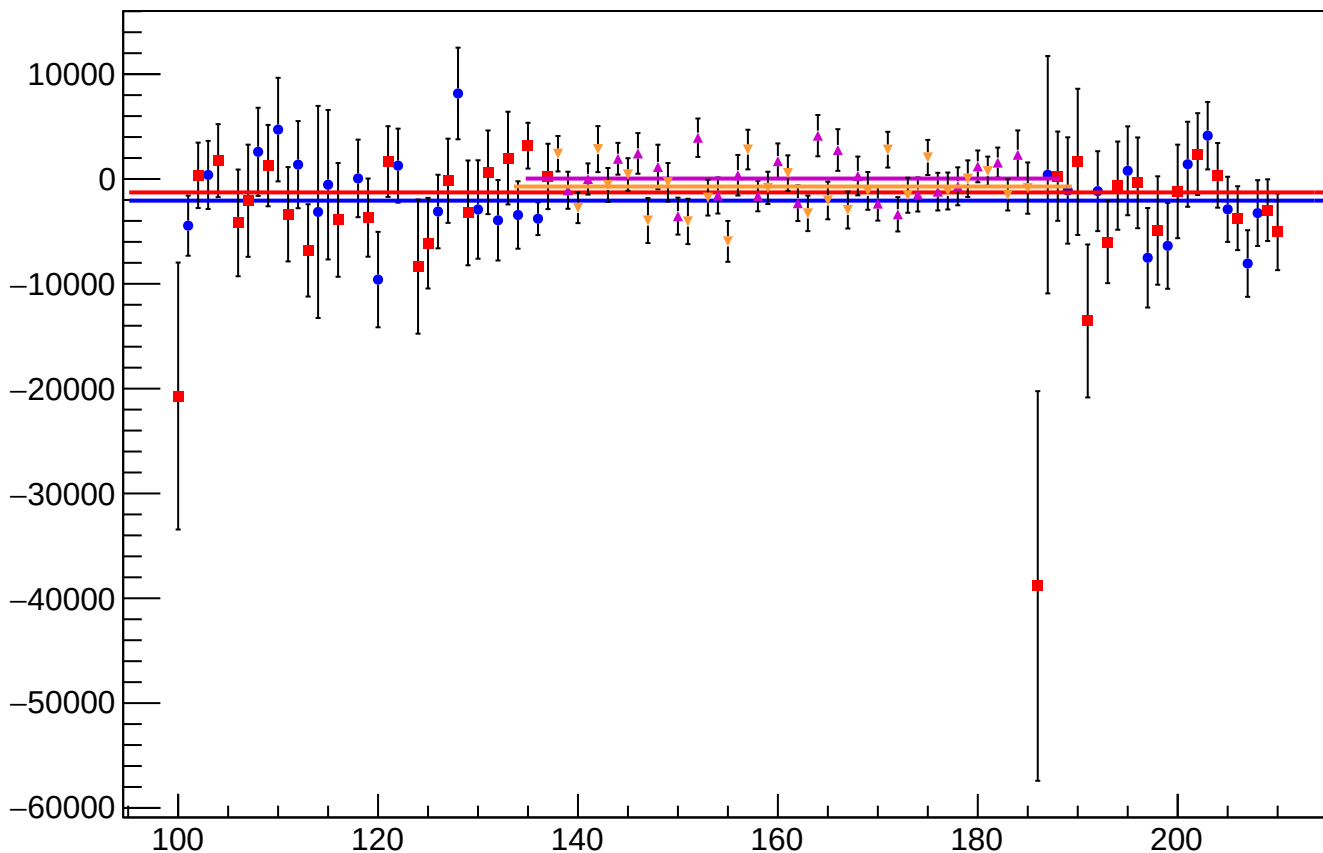
Left In: 201.297 $\pm$ 0.033 χ^2 /NDF:181646.8/22

+ sign 189.494 $\pm$ 0.023 χ^2 /NDF: 903840.6/51

All: 189.973 $\pm$ 0.016 χ^2 /NDF: 1915007.6/107

- sign 190.441 $\pm$ 0.022 χ^2 /NDF: 1010290.0/55

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2066.456 ± 691.476 χ^2/NDF : 27.5/26

Left Out: -720.700 ± 346.376 χ^2/NDF : 38.3/24

Right Out: -1281.740 ± 696.419 χ^2/NDF : 27.7/32

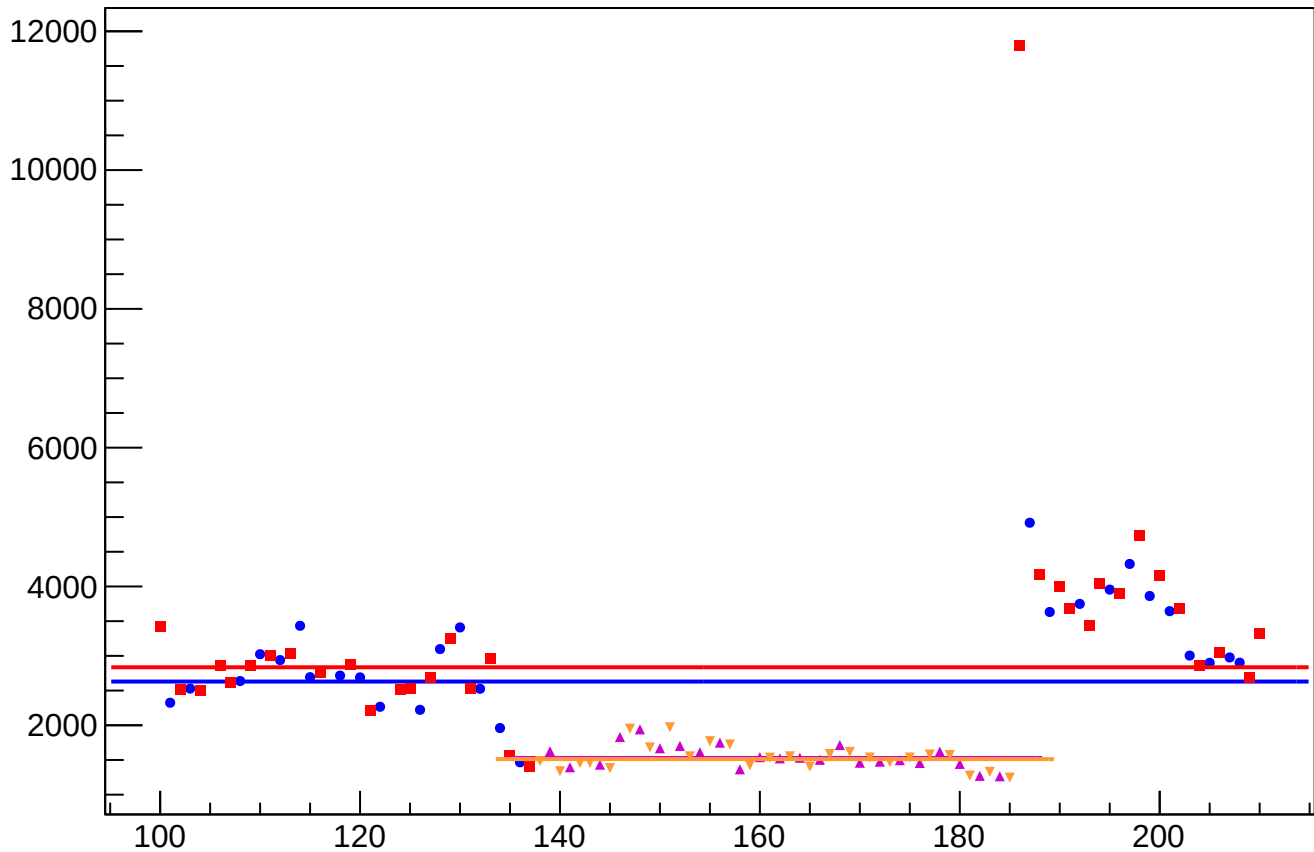
Left In: 39.277 ± 359.265 χ^2/NDF : 34.4/22

+ sign -990.646 ± 309.694 χ^2/NDF : 68.8/51

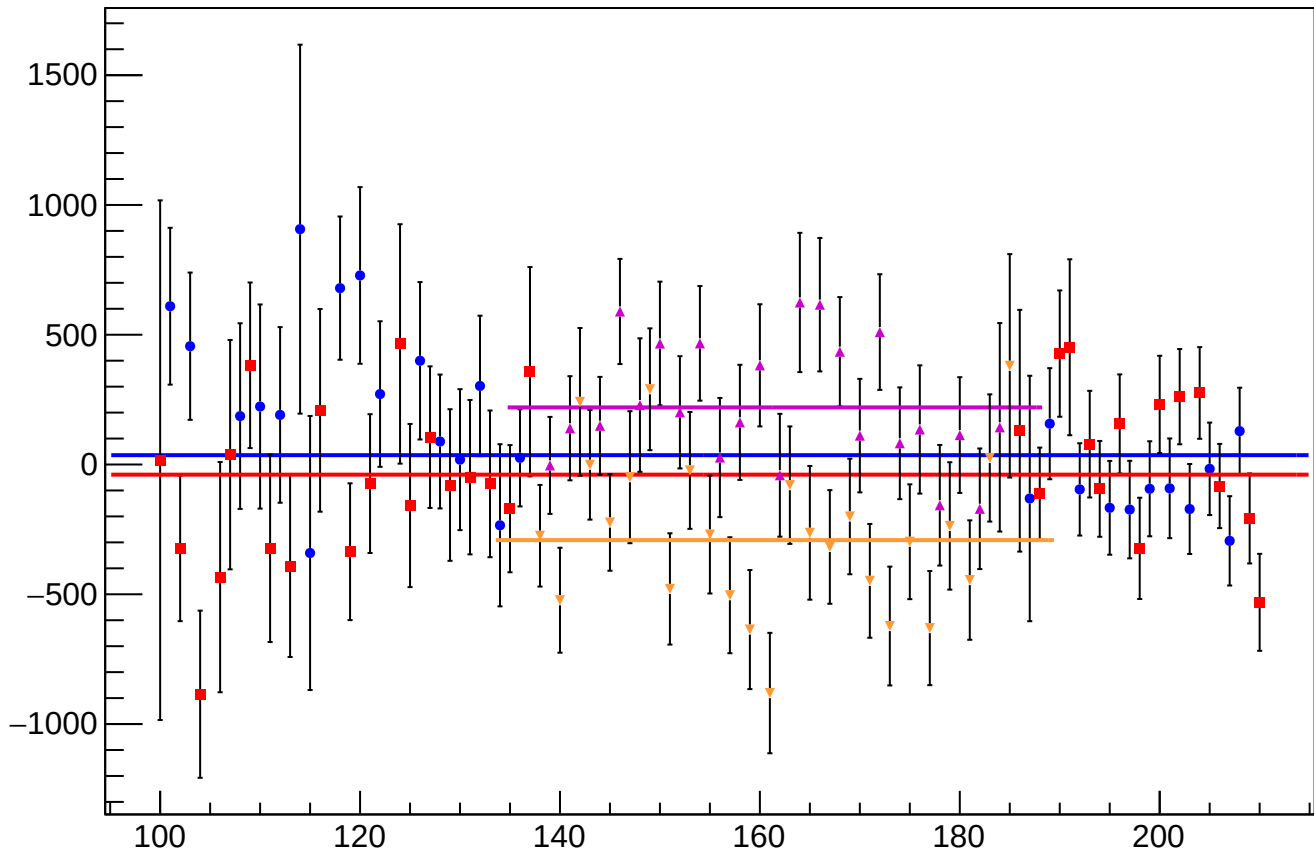
All: -625.984 ± 222.299 χ^2/NDF : 136.6/107

- sign -238.387 ± 319.283 χ^2/NDF : 64.9/55

asym_sam_26_dd_reg_correction_rms vs Slug



cor_asym_sam_26_dd_mean vs Slug



Right In: 35.954 ± 45.336 χ^2/NDF : 31.9/26

Left Out: -291.316 ± 45.614 χ^2/NDF : 36.4/24

Right Out: -39.092 ± 43.045 χ^2/NDF : 42.3/32

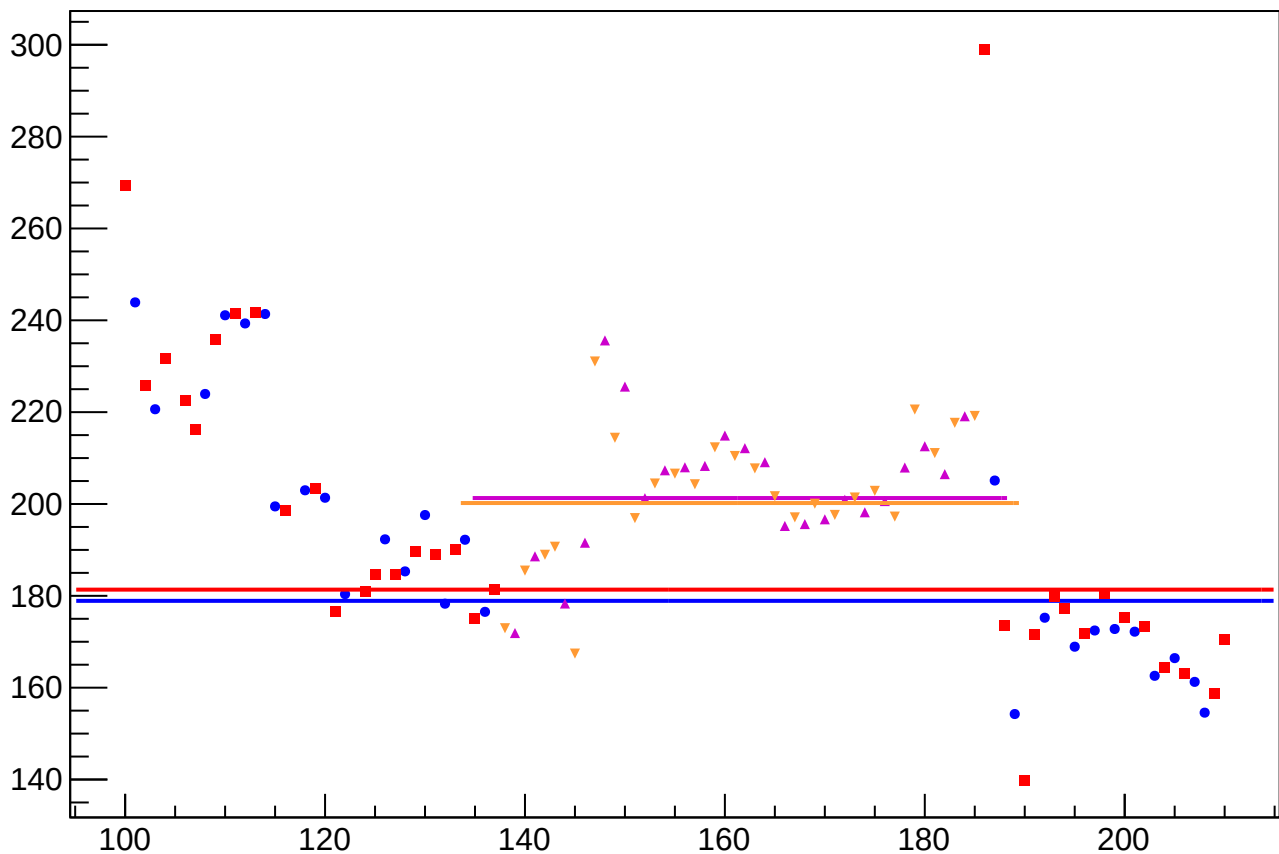
Left In: 219.983 ± 47.146 χ^2/NDF : 23.7/22

+ sign -126.682 ± 32.155 χ^2/NDF : 94.1/51

All: -22.818 ± 22.606 χ^2/NDF : 197.2/107

- sign 78.692 ± 31.789 χ^2/NDF : 82.5/55

cor_asym_sam_26_dd_rms vs Slug



Right In: 178.908 $\pm$ 0.032 χ^2/NDF : 480018.2/26

Left Out: 200.210 $\pm$ 0.032 χ^2/NDF : 204394.0/24

Right Out: 181.351 $\pm$ 0.030 χ^2/NDF : 630678.7/32

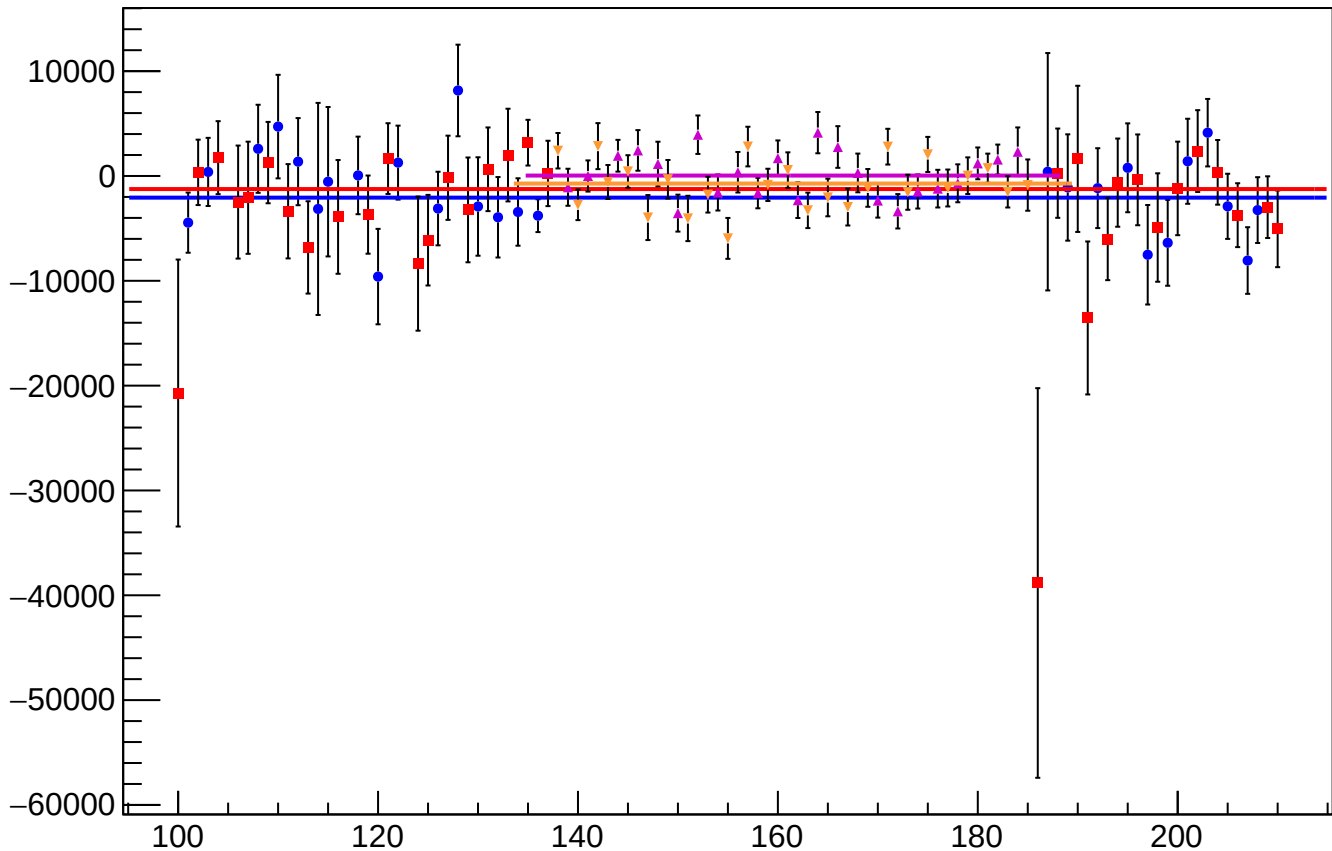
Left In: 201.297 $\pm$ 0.033 χ^2/NDF : 181646.8/22

+ sign 189.494 $\pm$ 0.023 χ^2/NDF : 903841.1/51

All: 189.962 $\pm$ 0.016 χ^2/NDF : 1912233.9/107

- sign 190.420 $\pm$ 0.022 χ^2/NDF : 1007554.6/55

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -2066.441 ± 691.477 χ^2/NDF : 27.5/26

Left Out: -720.705 ± 346.376 χ^2/NDF : 38.3/24

Right Out: -1247.578 ± 697.141 χ^2/NDF : 27.4/32

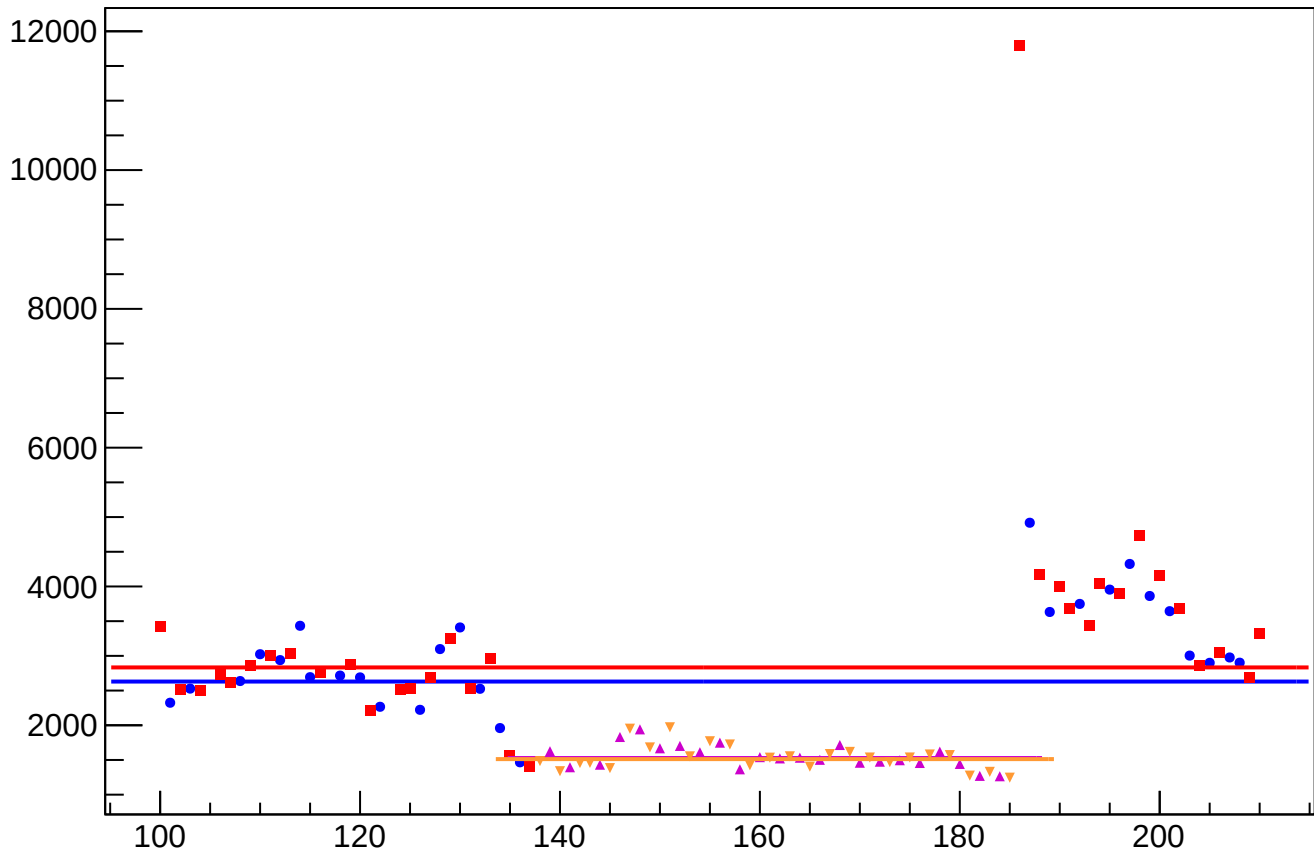
Left In: 39.275 ± 359.265 χ^2/NDF : 34.4/22

+ sign -990.646 ± 309.694 χ^2/NDF : 68.8/51

All: -622.372 ± 222.323 χ^2/NDF : 136.3/107

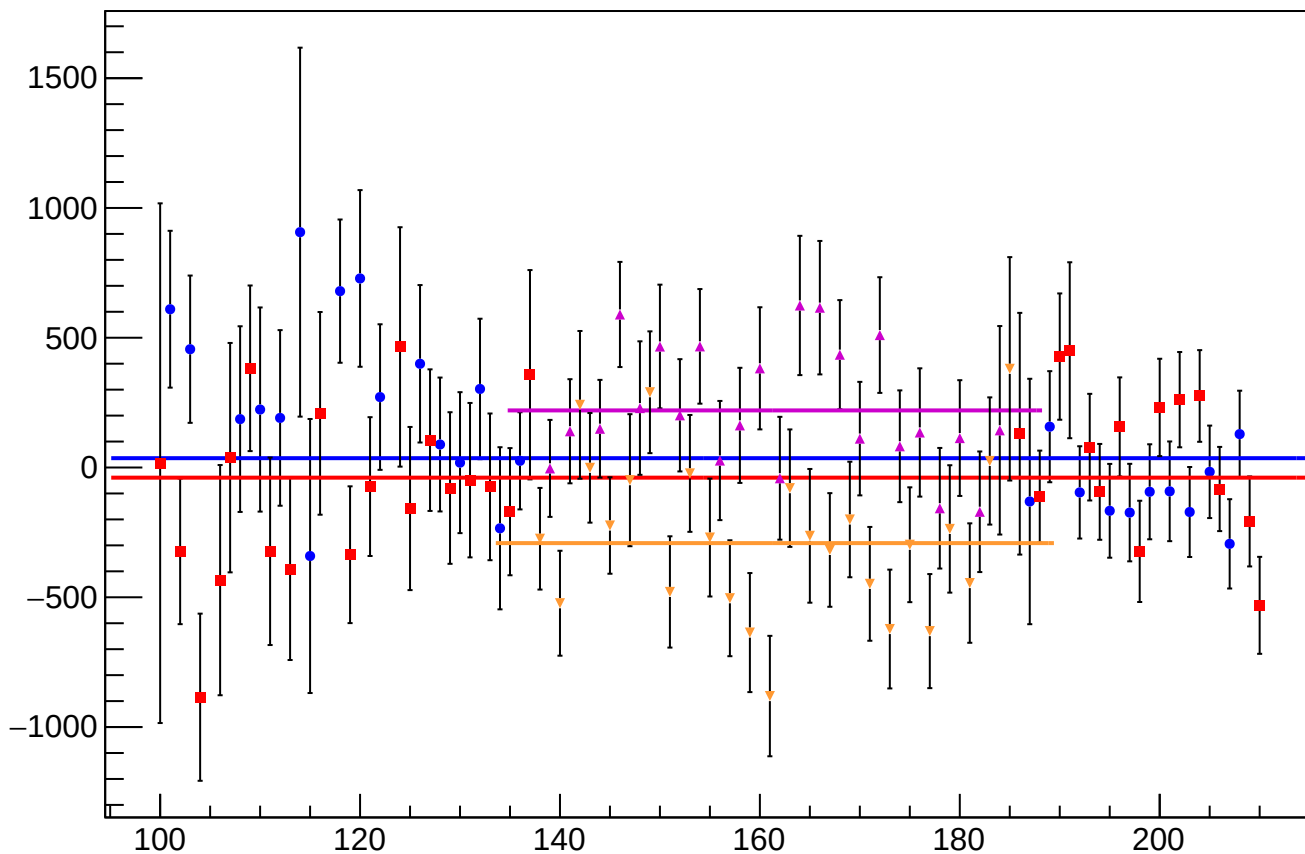
- sign -230.766 ± 319.353 χ^2/NDF : 64.5/55

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2629.854+/-0.489	χ^2/NDF : 2553918.4/26	+ sign 1736.522+/-0.219	χ^2/NDF : 7172190.6/51
Left Out: 1512.365+/-0.245	χ^2/NDF : 442559.1/24	All: 1768.214+/-0.157	χ^2/NDF : 16072969.2/1
Right Out: 2833.438+/-0.493	χ^2/NDF : 2942094.7/32	- sign 1801.913+/-0.226	χ^2/NDF : 8857564.4/55
Left In: 1527.964+/-0.254	χ^2/NDF : 373845.3/22		

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 35.954 ± 45.336 χ^2/NDF : 31.9/26

Left Out: -291.316 ± 45.614 χ^2/NDF : 36.4/24

Right Out: -39.092 ± 43.045 χ^2/NDF : 42.3/32

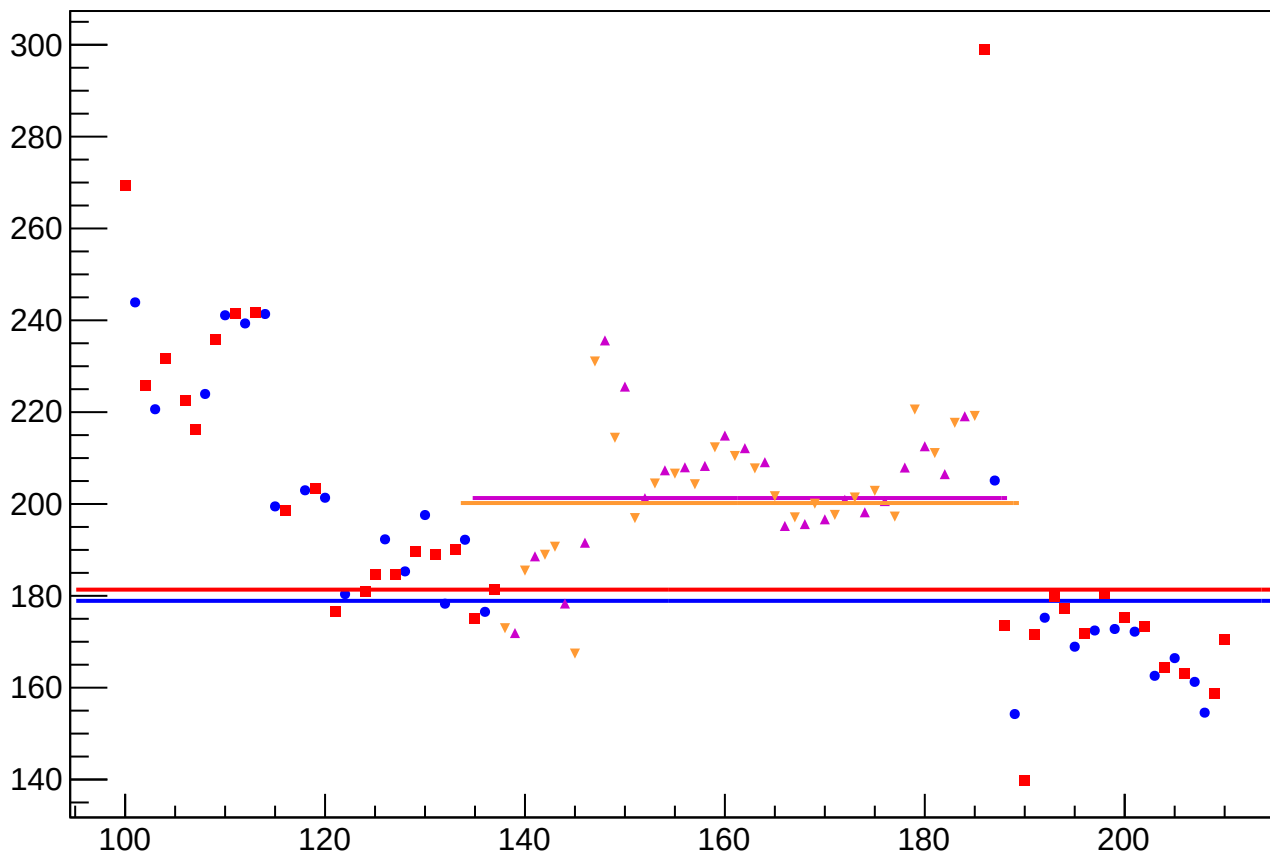
Left In: 219.983 ± 47.146 χ^2/NDF : 23.7/22

+ sign -126.682 ± 32.155 χ^2/NDF : 94.1/51

All: -22.818 ± 22.606 χ^2/NDF : 197.2/107

- sign 78.692 ± 31.789 χ^2/NDF : 82.5/55

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 178.908 ± 0.032 χ^2/NDF : 480018.2/26

Left Out: 200.210 ± 0.032 χ^2/NDF : 204394.0/24

Right Out: 181.351 ± 0.030 χ^2/NDF : 630678.7/32

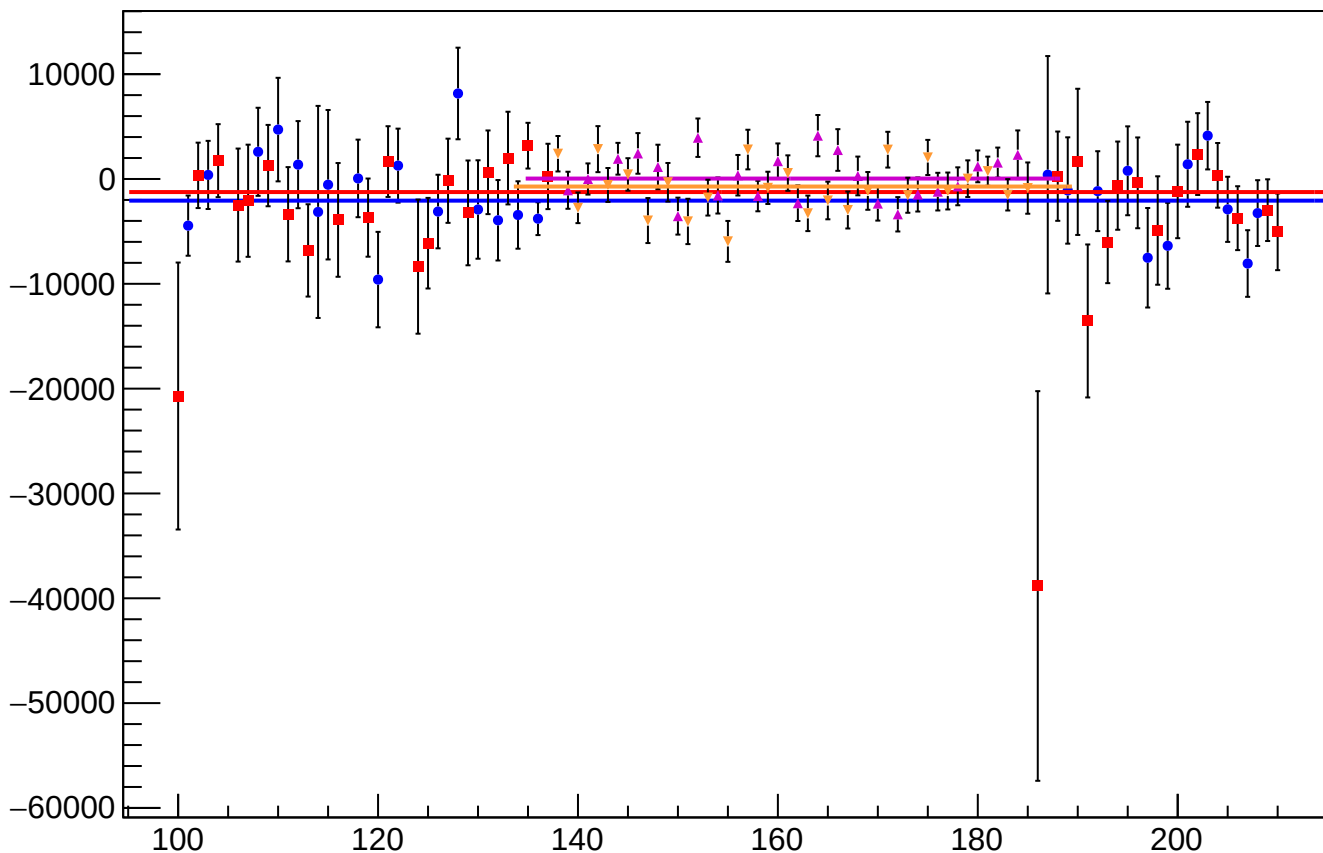
Left In: 201.297 ± 0.033 χ^2/NDF : 181646.8/22

+ sign 189.494 ± 0.023 χ^2/NDF : 903841.1/51

All: 189.962 ± 0.016 χ^2/NDF : 1912233.9/107

- sign 190.420 ± 0.022 χ^2/NDF : 1007554.6/55

asym_sam_26_dd_eigen_cor_correction_mean vs Slug



Right In: -2066.441 ± 691.477 χ^2/NDF : 27.5/26

Left Out: -720.705 ± 346.376 χ^2/NDF : 38.3/24

Right Out: -1247.578 ± 697.141 χ^2/NDF : 27.4/32

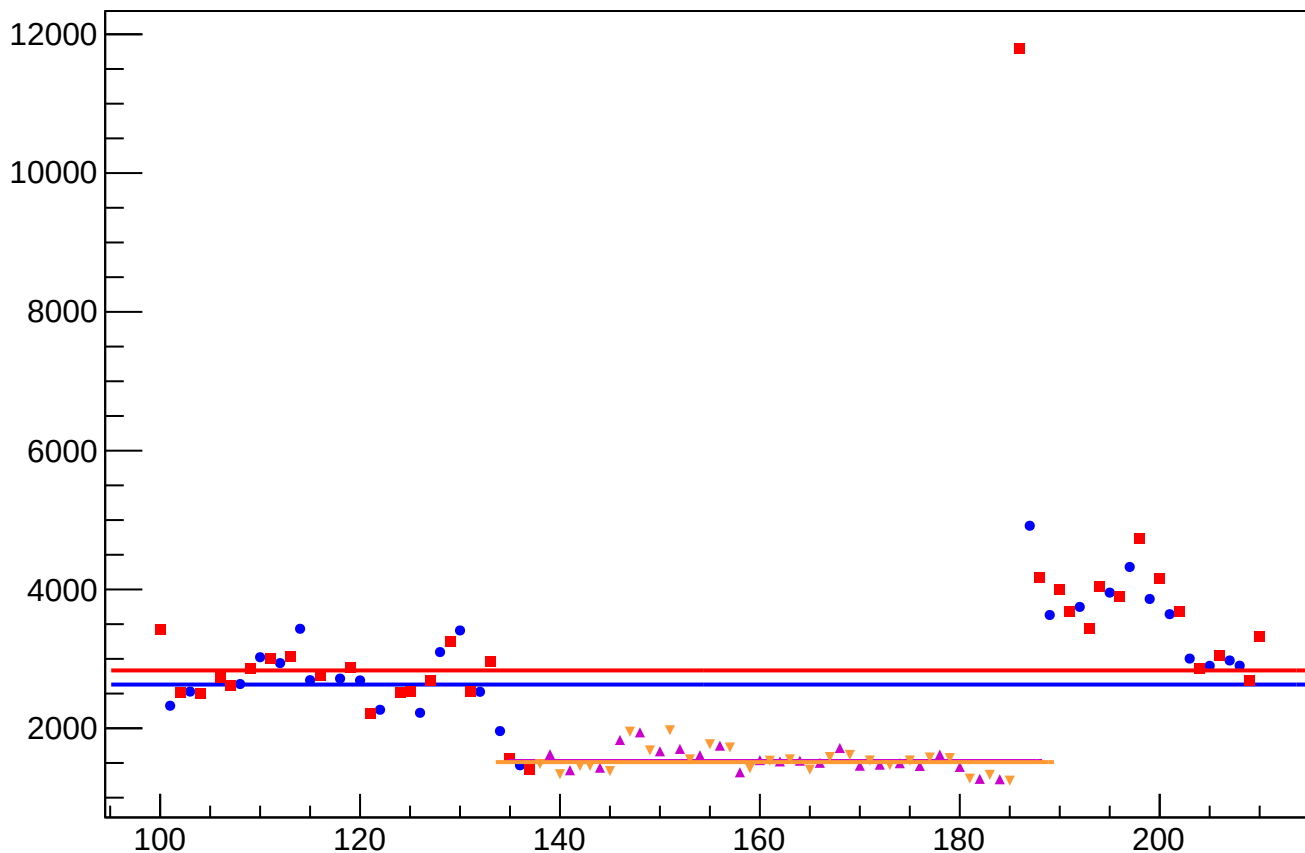
Left In: 39.275 ± 359.265 χ^2/NDF : 34.4/22

+ sign -990.646 ± 309.694 χ^2/NDF : 68.8/51

All: -622.372 ± 222.323 χ^2/NDF : 136.3/107

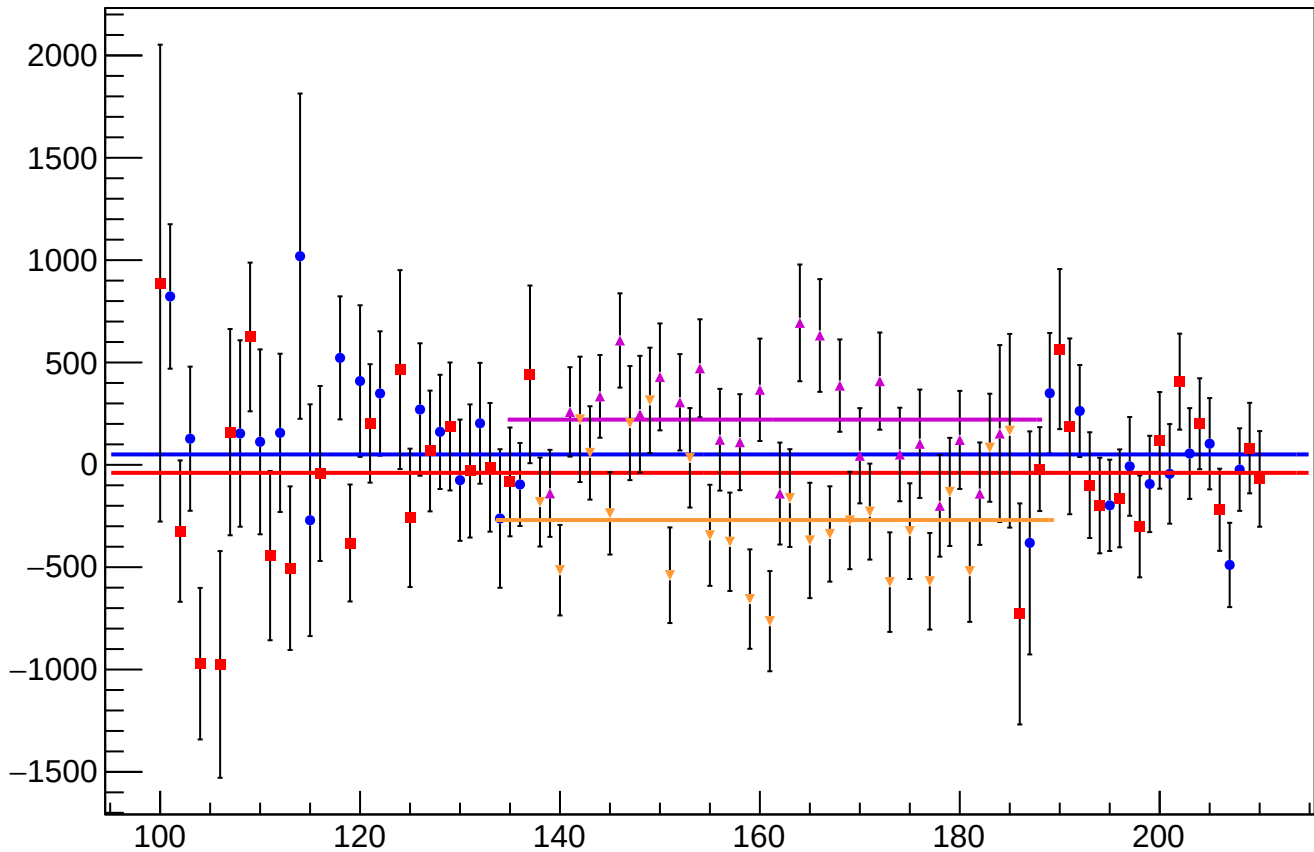
- sign -230.766 ± 319.353 χ^2/NDF : 64.5/55

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2629.854+/-0.489	χ^2/NDF : 2553918.4/26	+ sign 1736.522+/-0.219	χ^2/NDF : 7172190.6/51
Left Out: 1512.365+/-0.245	χ^2/NDF : 442559.1/24	All: 1768.214+/-0.157	χ^2/NDF : 16072969.2/1
Right Out: 2833.438+/-0.493	χ^2/NDF : 2942094.7/32	- sign 1801.913+/-0.226	χ^2/NDF : 8857564.4/55
Left In: 1527.964+/-0.254	χ^2/NDF : 373845.3/22		

dit_asym_sam_26_dd_mean vs Slug



Right In: 50.885 ± 54.206 χ^2/NDF : 25.0/26

Left Out: -269.678 ± 49.158 χ^2/NDF : 31.5/24

Right Out: -39.165 ± 51.783 χ^2/NDF : 34.4/32

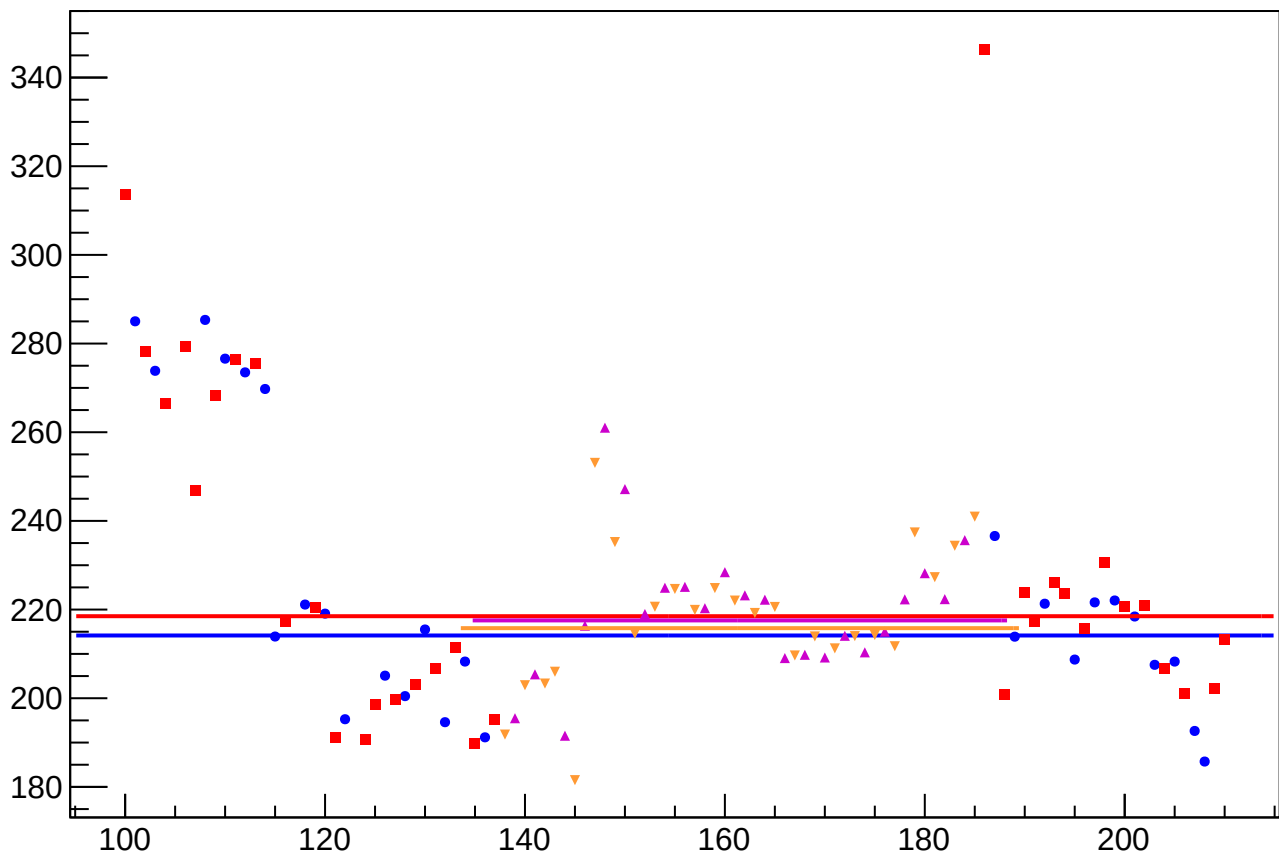
Left In: 220.926 ± 50.956 χ^2/NDF : 23.4/22

+ sign -125.015 ± 36.414 χ^2/NDF : 75.7/51

All: -15.739 ± 25.715 χ^2/NDF : 164.3/107

- sign 92.975 ± 36.320 χ^2/NDF : 70.6/55

dit_asym_sam_26_dd_rms vs Slug



Right In: 214.153 $\pm$ 0.038 χ^2 /NDF: 409037.0/26

Left Out: 215.807 $\pm$ 0.035 χ^2 /NDF:188699.2/24

Right Out: 218.503 $\pm$ 0.037 χ^2 /NDF: 500172.1/32

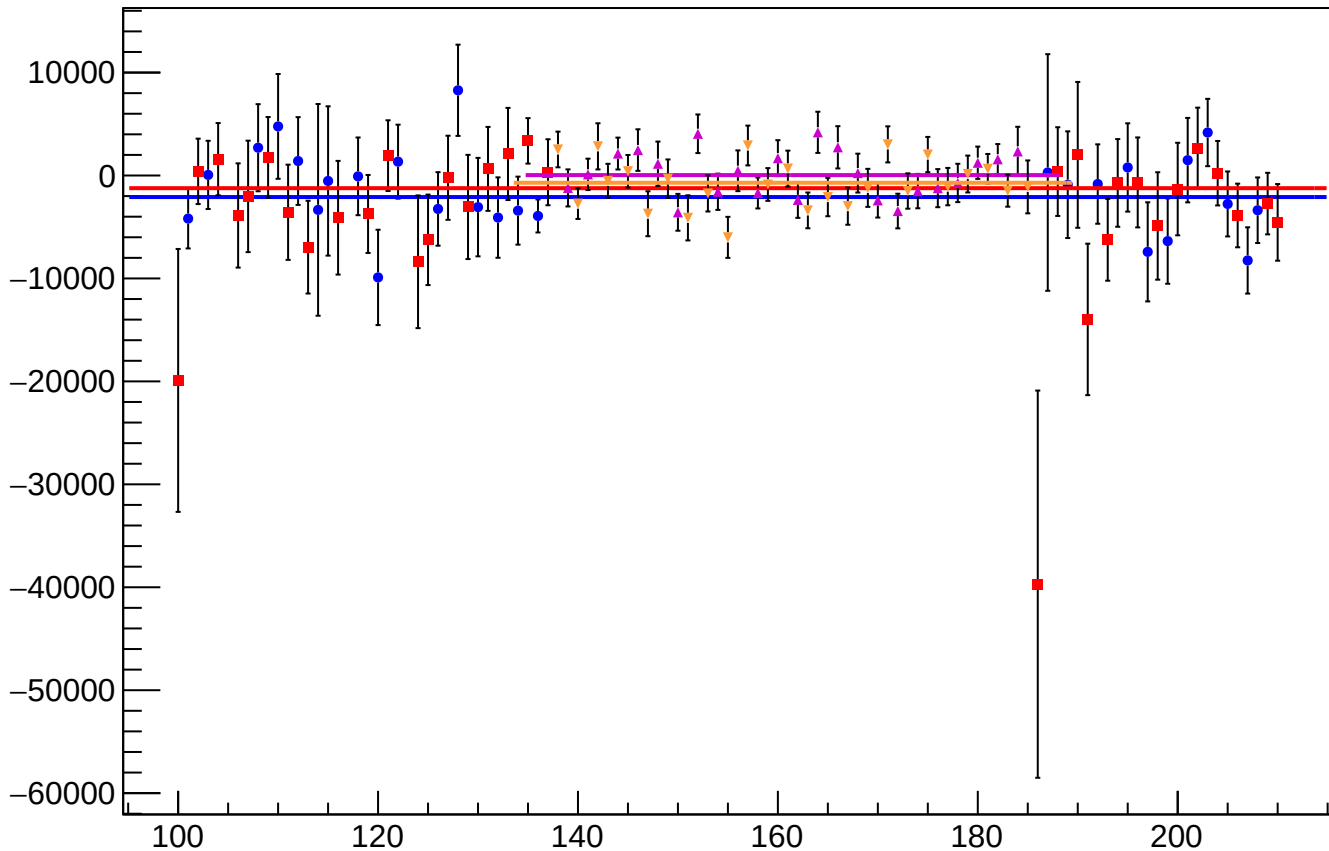
Left In: 217.555 $\pm$ 0.036 χ^2 /NDF:161066.4/22

+ sign 215.060 $\pm$ 0.026 χ^2 /NDF: 598757.8/51

All: 216.545 $\pm$ 0.018 χ^2 /NDF: 1266966.9/107

- sign 218.021 $\pm$ 0.026 χ^2 /NDF: 661579.4/55

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -2092.805 ± 704.053 χ^2/NDF : 27.4/26

Left Out: -704.012 ± 355.462 χ^2/NDF : 37.6/24

Right Out: -1231.160 ± 706.667 χ^2/NDF : 28.0/32

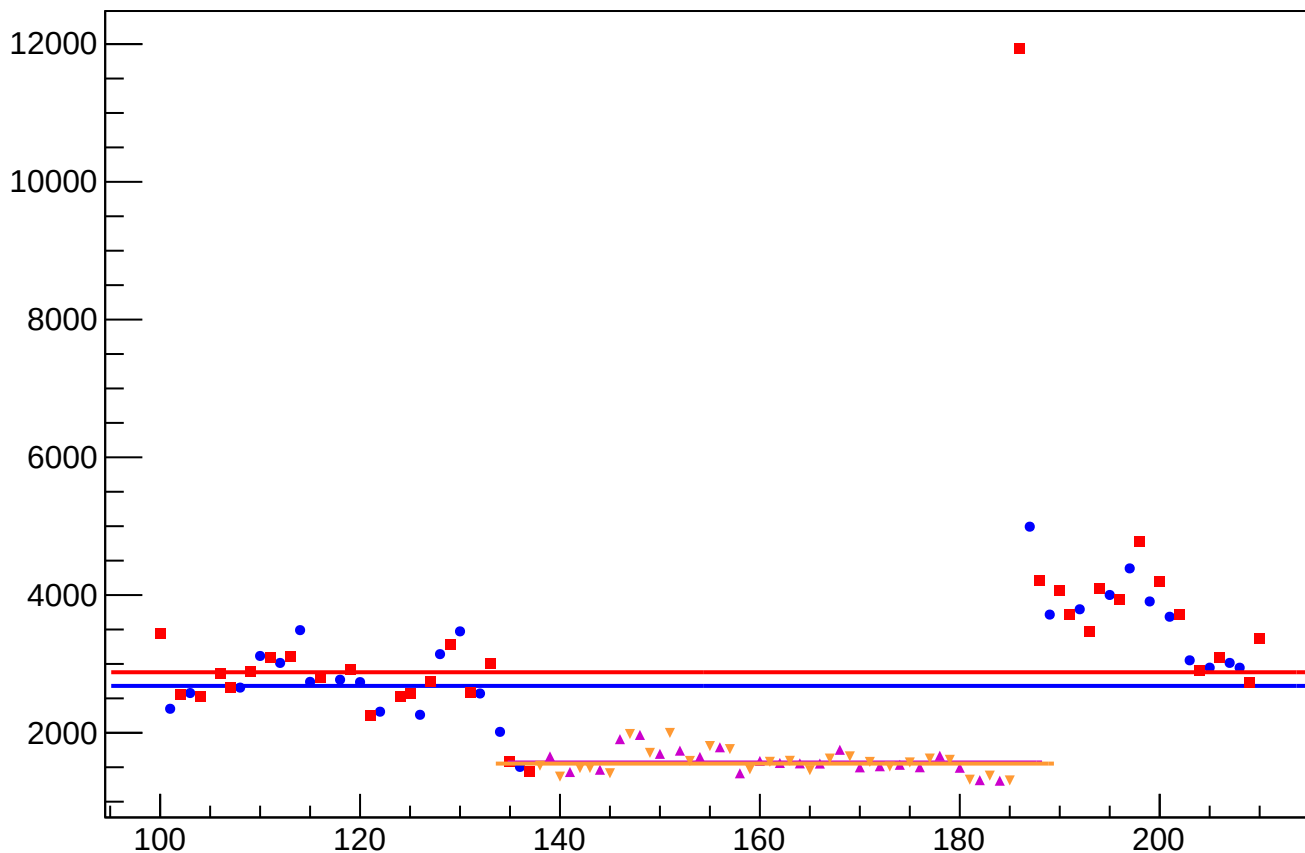
Left In: 39.658 ± 368.873 χ^2/NDF : 34.3/22

+ sign -986.111 ± 317.313 χ^2/NDF : 68.1/51

All: -620.619 ± 227.723 χ^2/NDF : 135.8/107

- sign -232.462 ± 327.004 χ^2/NDF : 64.9/55

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2681.036 $\pm$ 0.498 χ^2 /NDF: 2491773.9/26

Left Out: 1553.019 $\pm$ 0.251 χ^2 /NDF: 409933.8/24

Right Out: 2879.400 $\pm$ 0.500 χ^2 /NDF: 2901119.0/32

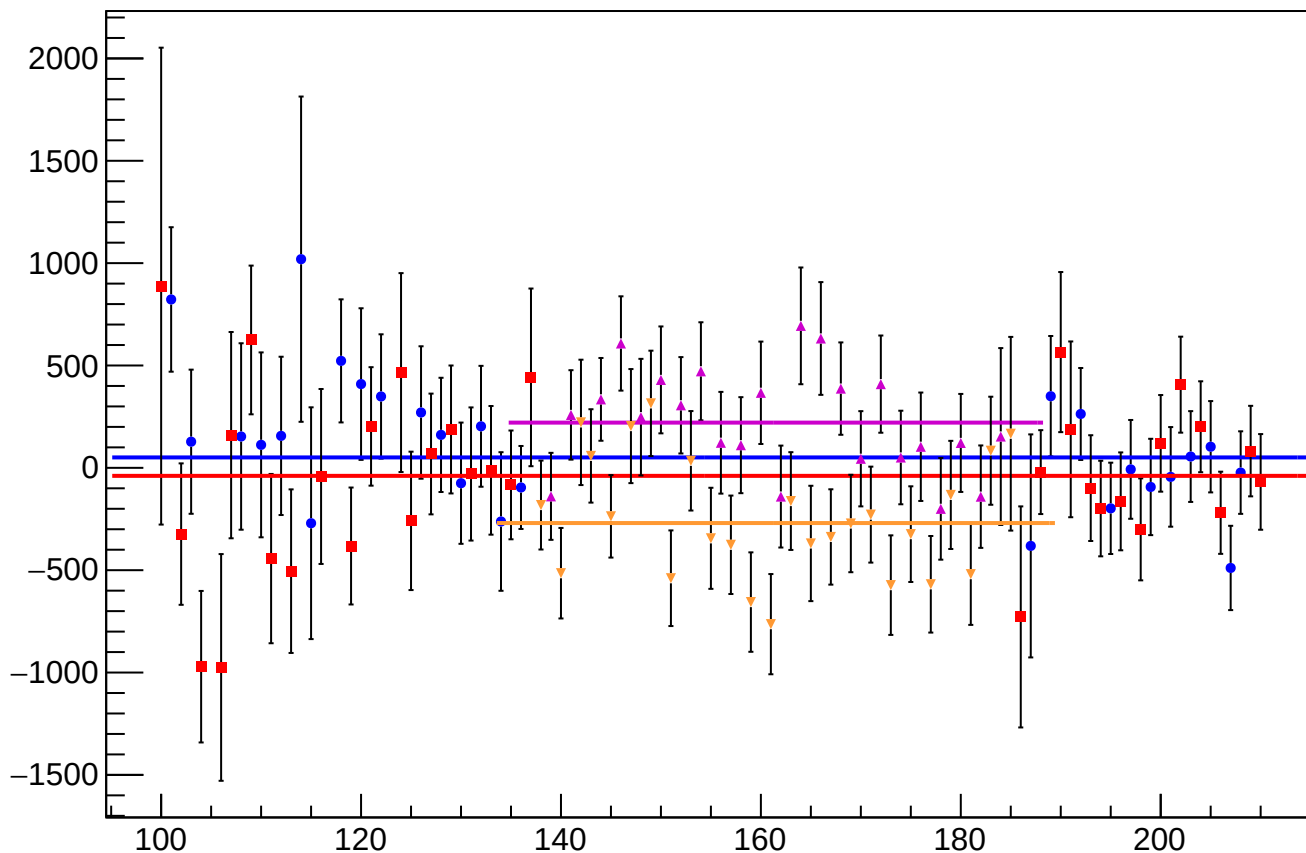
Left In: 1569.383 $\pm$ 0.261 χ^2 /NDF: 357481.9/22

+ sign 1782.148 $\pm$ 0.224 χ^2 /NDF: 6992805.7/51

All: 1815.004 $\pm$ 0.161 χ^2 /NDF: 15697014.4/1

- sign 1849.897 $\pm$ 0.231 χ^2 /NDF: 8659994.9/55

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 50.888 ± 54.206 χ^2/NDF : 25.0/26

Left Out: -269.680 ± 49.158 χ^2/NDF : 31.5/24

Right Out: -39.165 ± 51.783 χ^2/NDF : 34.4/32

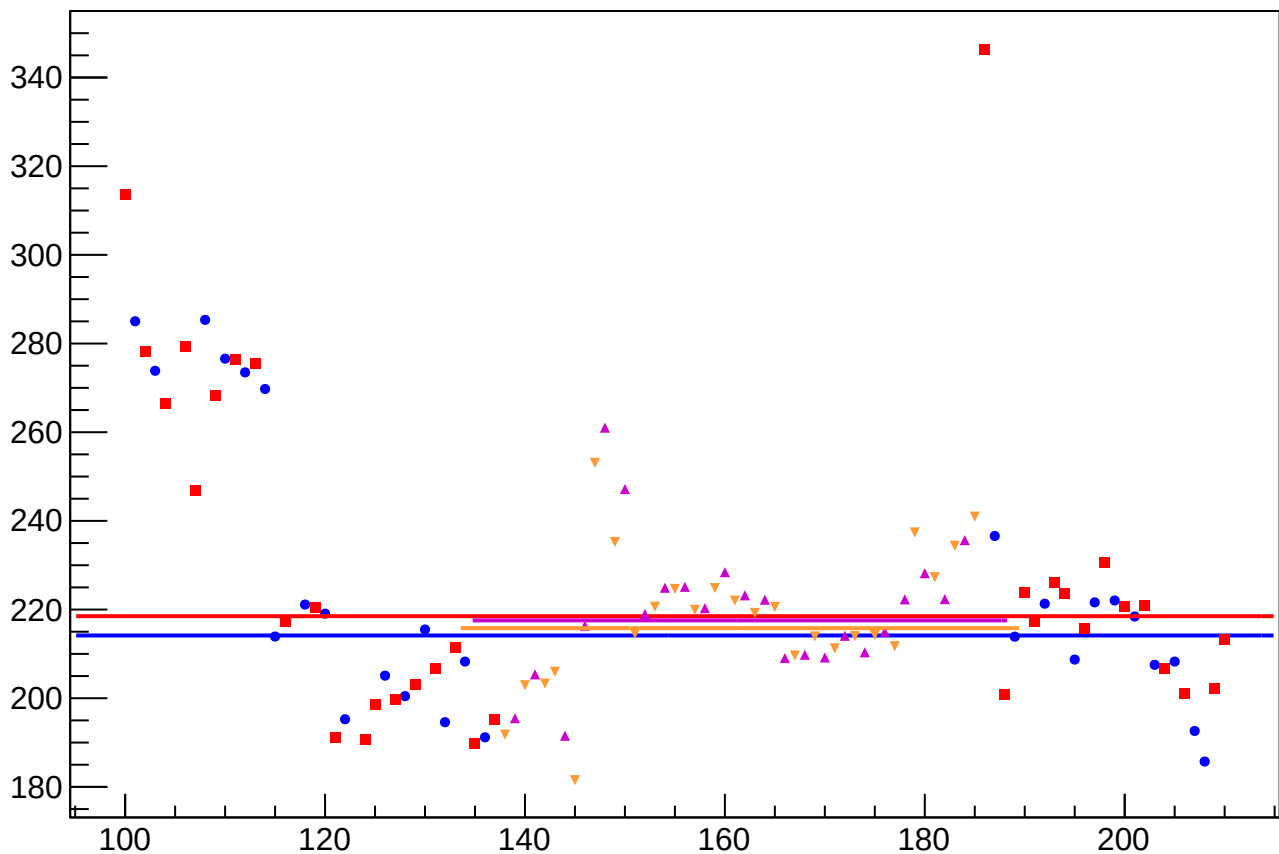
Left In: 220.927 ± 50.956 χ^2/NDF : 23.4/22

+ sign -125.014 ± 36.414 χ^2/NDF : 75.7/51

All: -15.738 ± 25.715 χ^2/NDF : 164.3/107

- sign 92.976 ± 36.320 χ^2/NDF : 70.6/55

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 214.152 $\pm$ 0.038 χ^2 /NDF: 409026.4/26

Left Out: 215.806 $\pm$ 0.035 χ^2 /NDF:188703.4/24

Right Out: 218.503 $\pm$ 0.037 χ^2 /NDF: 500154.3/32

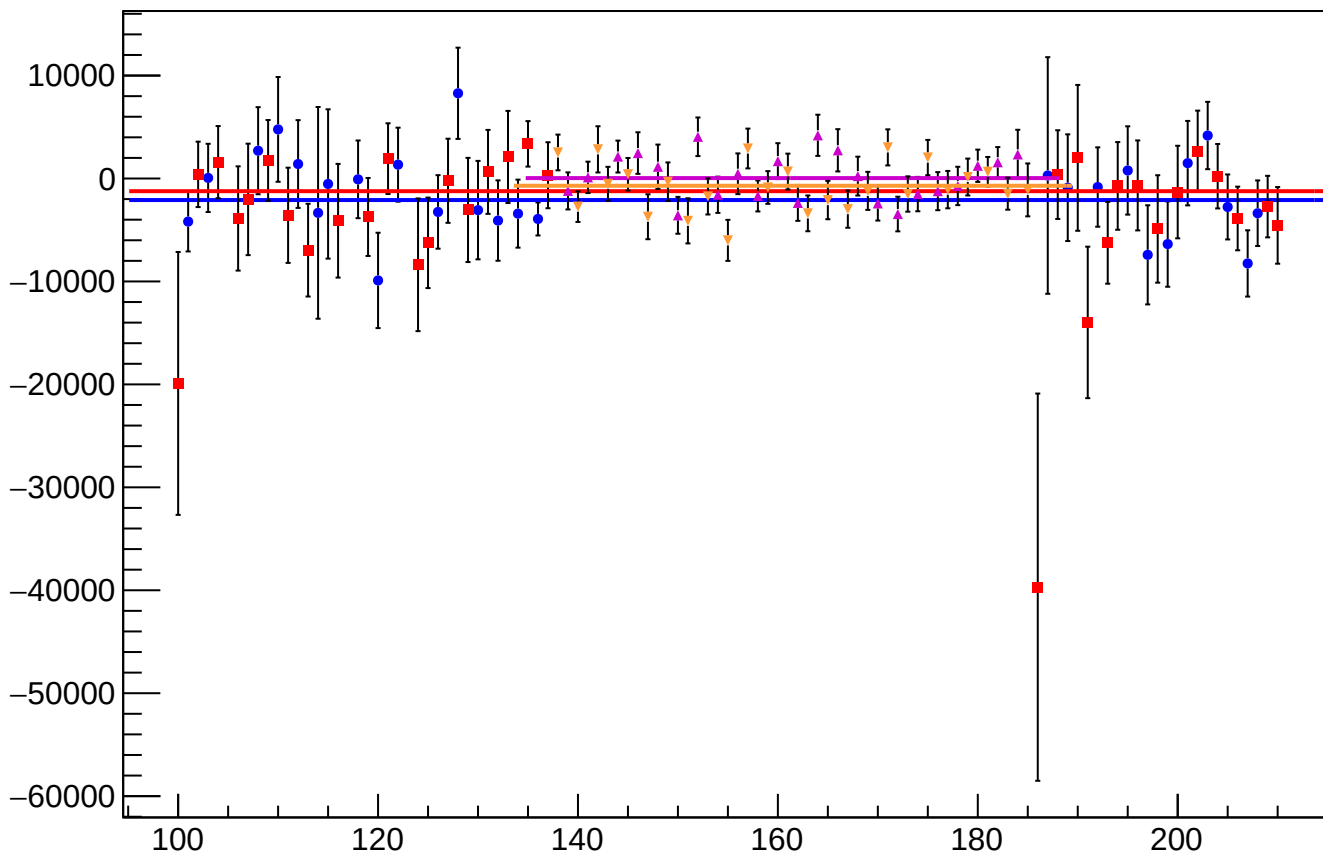
Left In: 217.555 $\pm$ 0.036 χ^2 /NDF:161069.0/22

+ sign 215.060 $\pm$ 0.026 χ^2 /NDF: 598751.9/51

All: 216.544 $\pm$ 0.018 χ^2 /NDF: 1266945.6/107

- sign 218.021 $\pm$ 0.026 χ^2 /NDF: 661564.0/55

asym_sam_26_dd_eigen_dit_correction_mean vs Slug



Right In: -2092.801 ± 704.053 χ^2/NDF : 27.4/26

Left Out: -704.012 ± 355.462 χ^2/NDF : 37.6/24

Right Out: -1231.160 ± 706.666 χ^2/NDF : 28.0/32

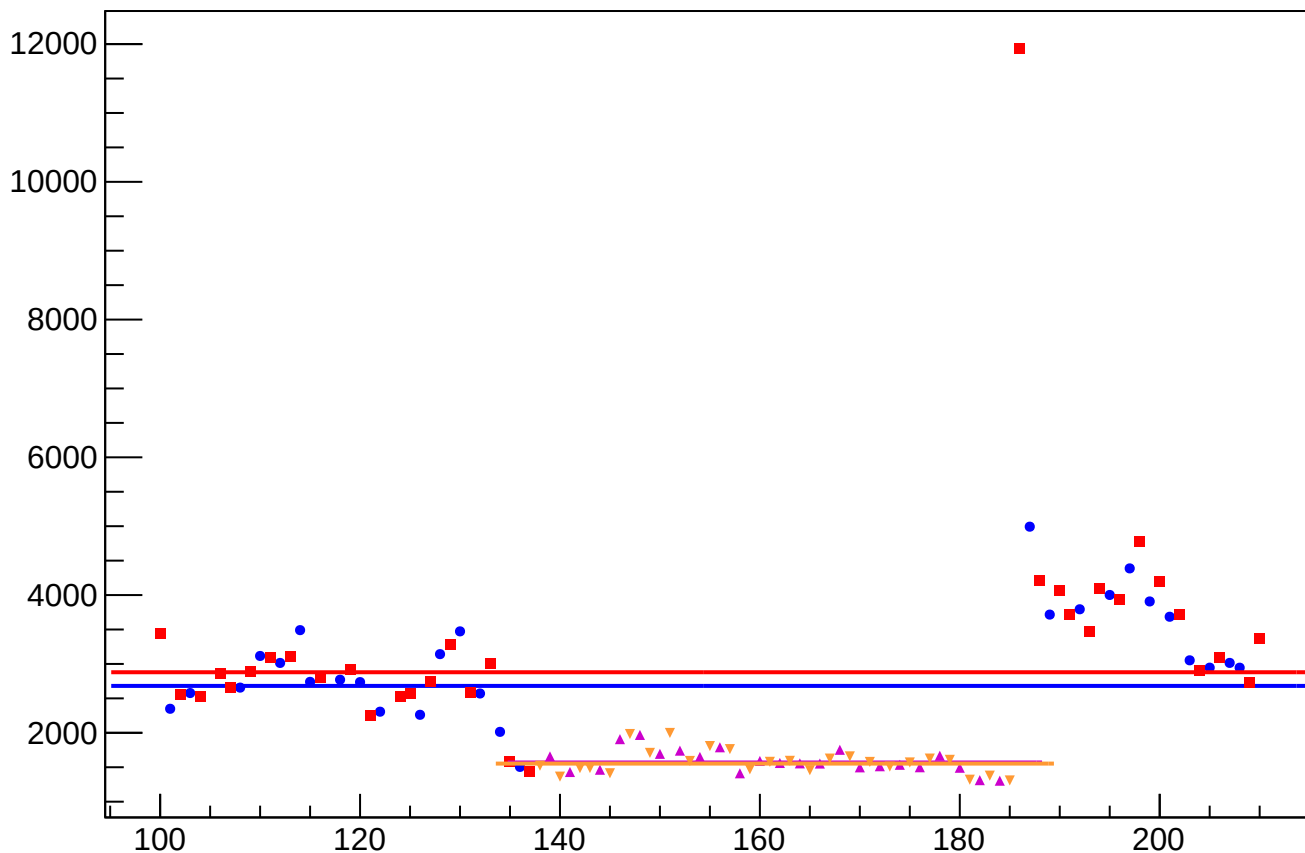
Left In: 39.657 ± 368.873 χ^2/NDF : 34.3/22

+ sign -986.111 ± 317.313 χ^2/NDF : 68.1/51

All: -620.620 ± 227.723 χ^2/NDF : 135.8/107

- sign -232.463 ± 327.004 χ^2/NDF : 64.9/55

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2681.034+/-0.498 χ^2/NDF : 2491771.2/26

Left Out: 1553.020+/-0.251 χ^2/NDF : 409936.6/24

Right Out: 2879.398+/-0.500 χ^2/NDF : 2901122.1/32

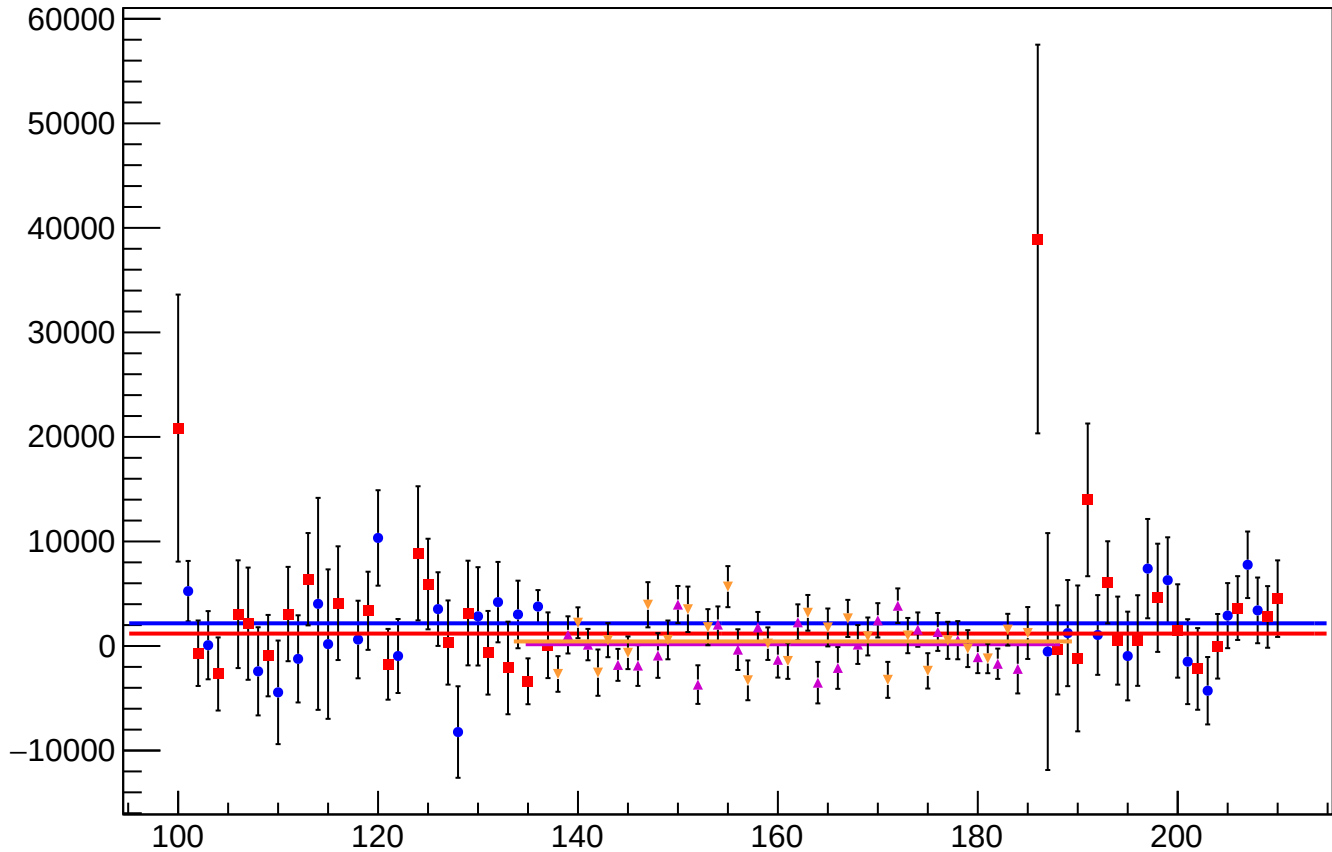
Left In: 1569.383+/-0.261 χ^2/NDF : 357484.6/22

+ sign 1782.149+/-0.224 χ^2/NDF : 6992791.7/51

All: 1815.004+/-0.161 χ^2/NDF : 15696991.1/101

- sign 1849.896+/-0.231 χ^2/NDF : 8659986.1/55

asym_sam_26_dd_mean vs Slug



Right In: 2169.307 $\pm$ 693.978 χ^2 /NDF: 27.7/26

Left Out: 437.522 $\pm$ 349.581 χ^2 /NDF:38.9/24

Right Out: 1187.013 $\pm$ 698.610 χ^2 /NDF: 27.5/32

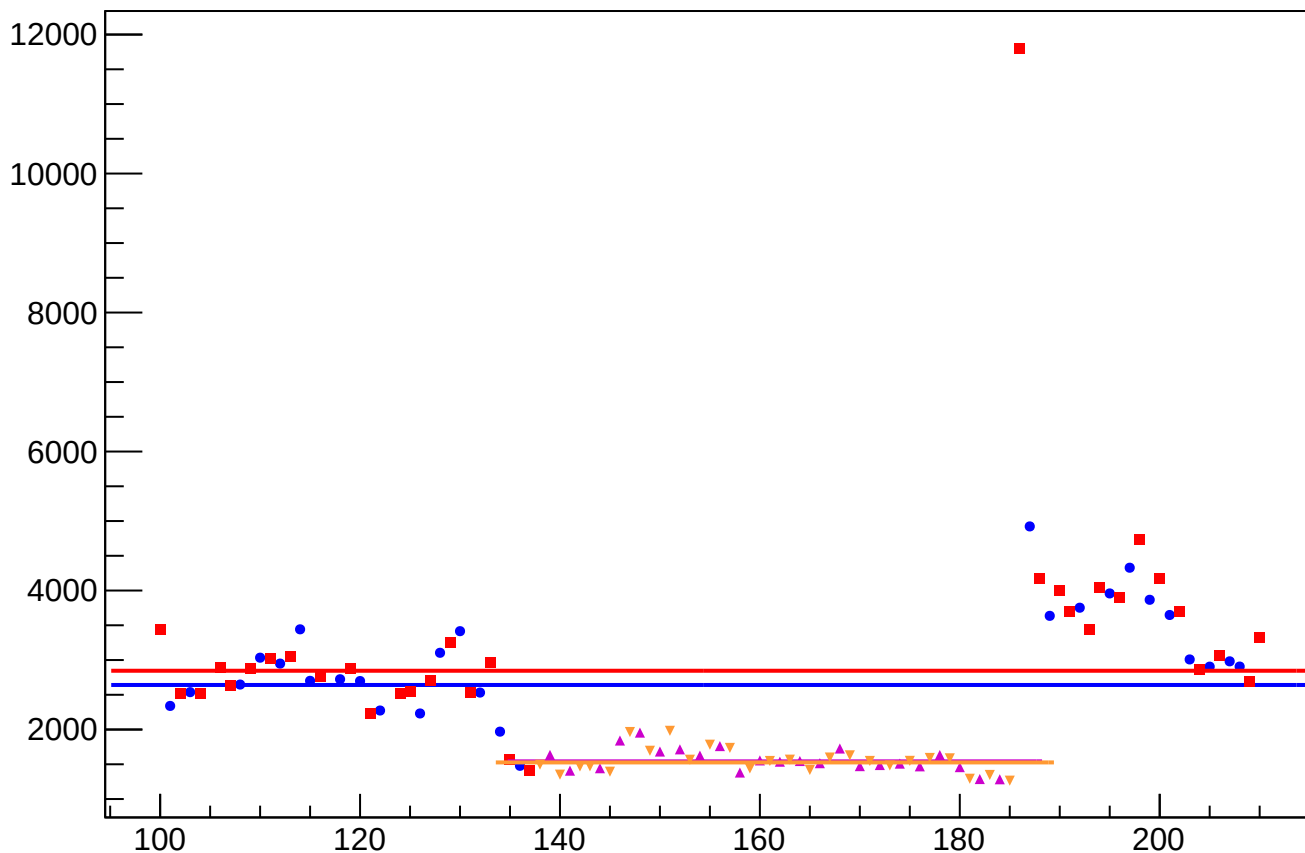
Left In: 169.827 $\pm$ 362.550 χ^2 /NDF:33.0/22

+ sign 788.022 $\pm$ 312.207 χ^2 /NDF: 71.5/51

All: 592.921 $\pm$ 224.078 χ^2 /NDF: 134.6/107

- sign 385.649 $\pm$ 321.797 χ^2 /NDF: 62.2/55

asym_sam_26_dd_rms vs Slug



Right In: 2641.195+/-0.491 χ^2/NDF : 2515662.1/26

Left Out: 1526.726+/-0.247 χ^2/NDF : 429467.0/24

Right Out: 2845.864+/-0.494 χ^2/NDF : 2909103.0/32

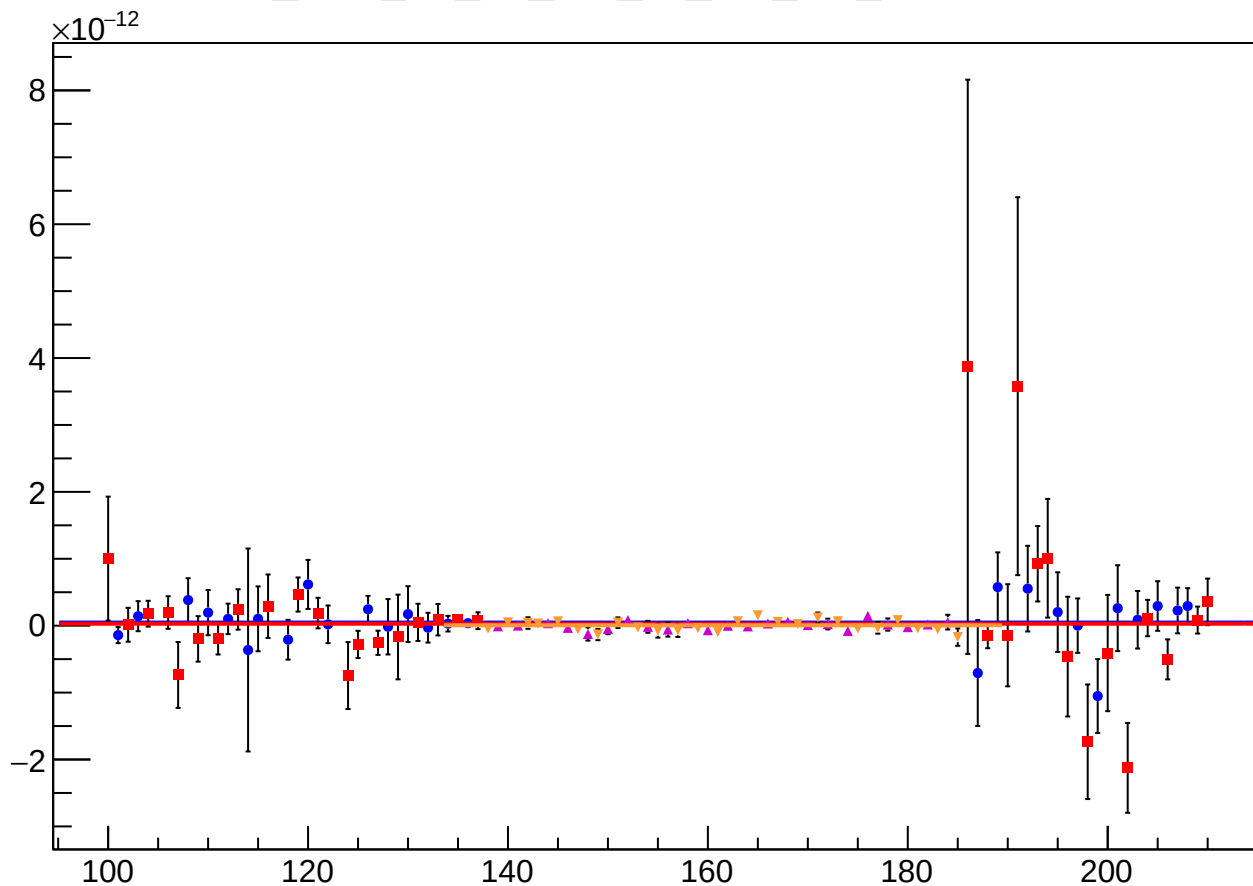
Left In: 1542.262+/-0.256 χ^2/NDF : 362291.1/22

+ sign 1752.286+/-0.221 χ^2/NDF : 7059124.9/51

All: 1784.564+/-0.158 χ^2/NDF : 15860905.4/100

- sign 1818.855+/-0.228 χ^2/NDF : 8757692.4/55

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug

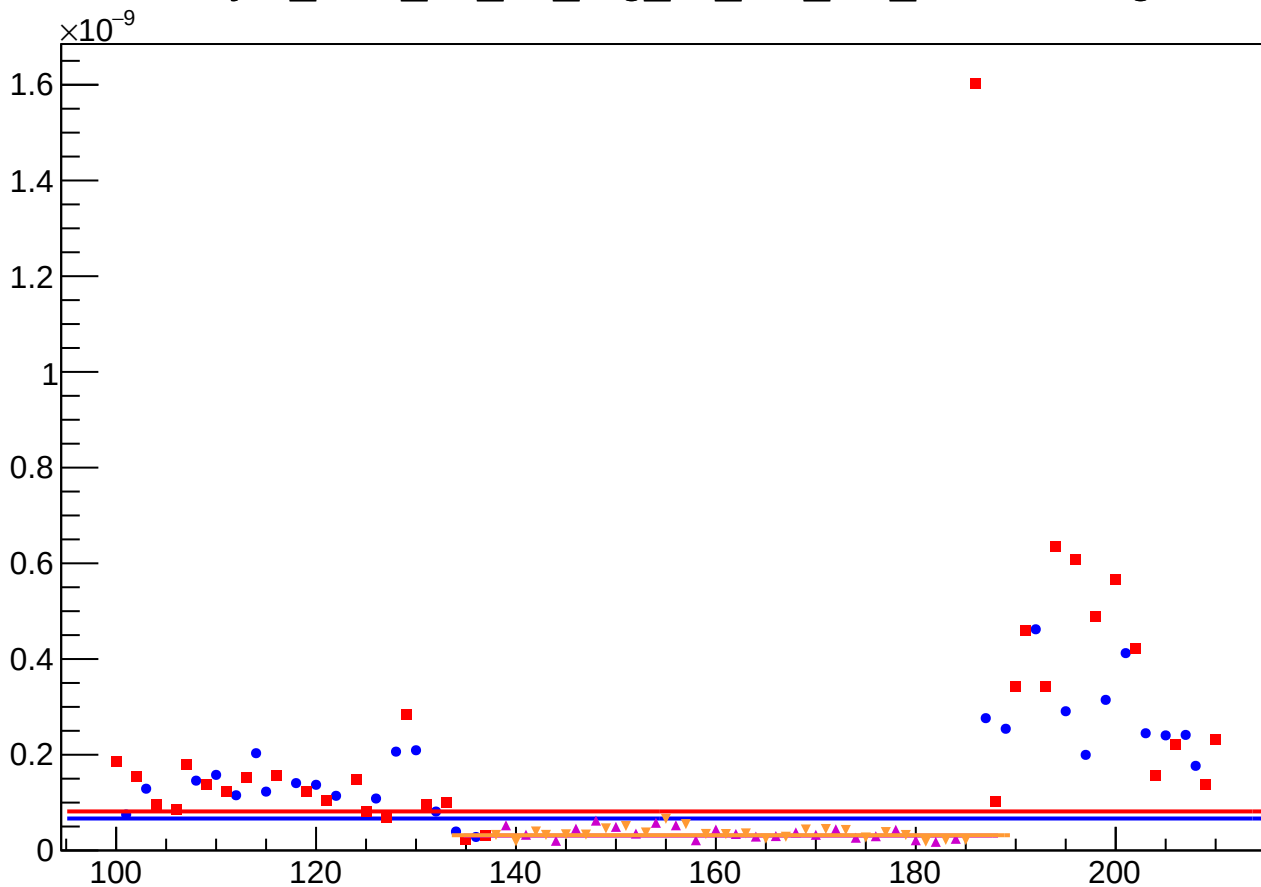


+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 48.8/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 110.8/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 62.1/55

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7152168.4/26

Left Out: 0.000+/-0.000 χ^2/NDF :1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7987102.7/32

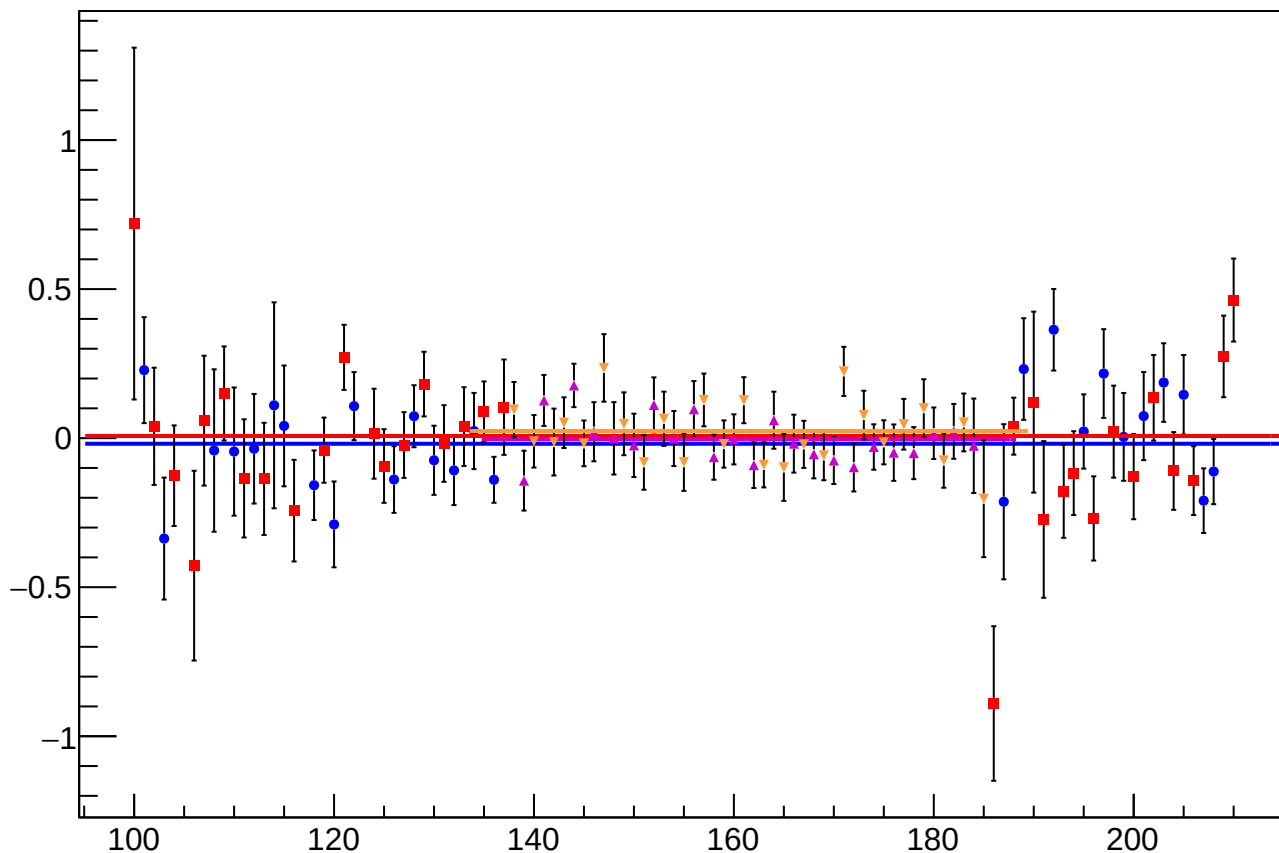
Left In: 0.000+/-0.000 χ^2/NDF :1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 10156285.1/51

All: 0.000+/-0.000 χ^2/NDF : 22663915.8/107

- sign 0.000+/-0.000 χ^2/NDF : 12507619.5/55

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.019 ± 0.026 χ^2/NDF : 37.4/26

Left Out: 0.024 ± 0.018 χ^2/NDF : 25.5/24

Right Out: 0.007 ± 0.025 χ^2/NDF : 56.7/32

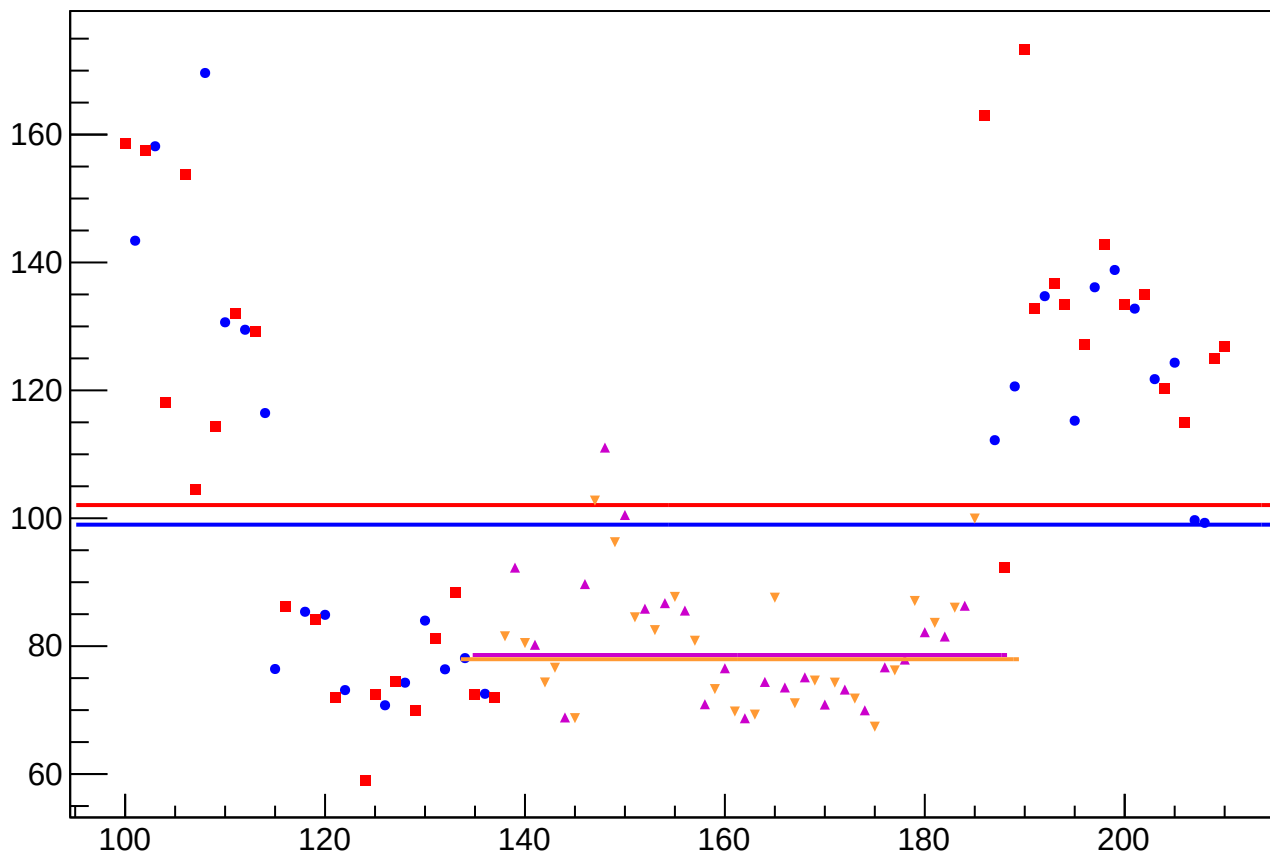
Left In: -0.004 ± 0.019 χ^2/NDF : 18.9/22

+ sign 0.010 ± 0.015 χ^2/NDF : 64.8/51

All: 0.005 ± 0.010 χ^2/NDF : 140.7/107

- sign 0.000 ± 0.015 χ^2/NDF : 75.7/55

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 98.999 ± 0.018 χ^2/NDF : 2056633.2/26

Left Out: 77.957 ± 0.013 χ^2/NDF : 439703.9/24

Right Out: 102.064 ± 0.018 χ^2/NDF : 2516717.8/32

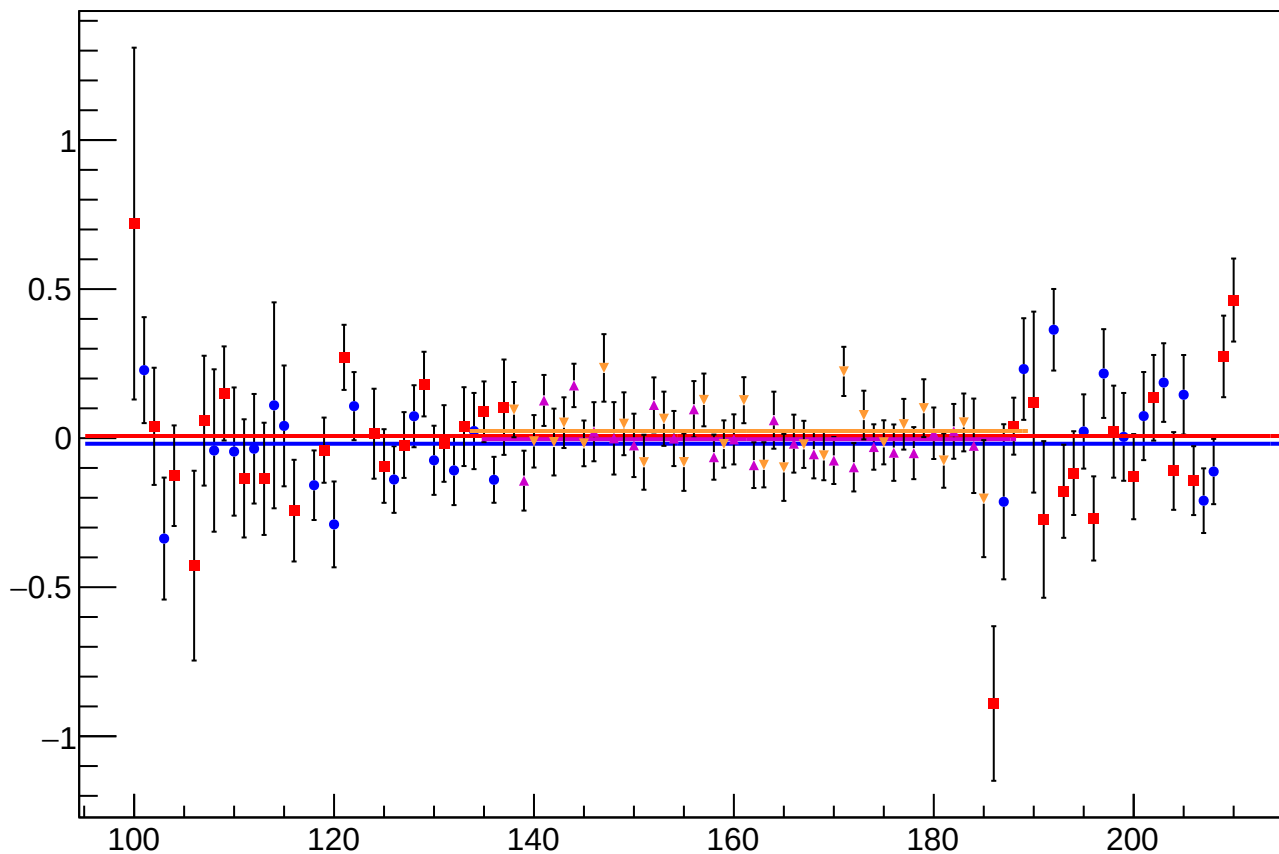
Left In: 78.615 ± 0.013 χ^2/NDF : 497808.4/22

+ sign 84.726 ± 0.010 χ^2/NDF : 3389746.7/51

All: 85.805 ± 0.007 χ^2/NDF : 7555685.0/107

- sign 86.916 ± 0.011 χ^2/NDF : 4144084.0/55

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.019 ± 0.026 $\chi^2/\text{NDF}: 37.4/26$

Left Out: 0.024 ± 0.018 $\chi^2/\text{NDF}: 25.5/24$

Right Out: 0.007 ± 0.025 $\chi^2/\text{NDF}: 56.7/32$

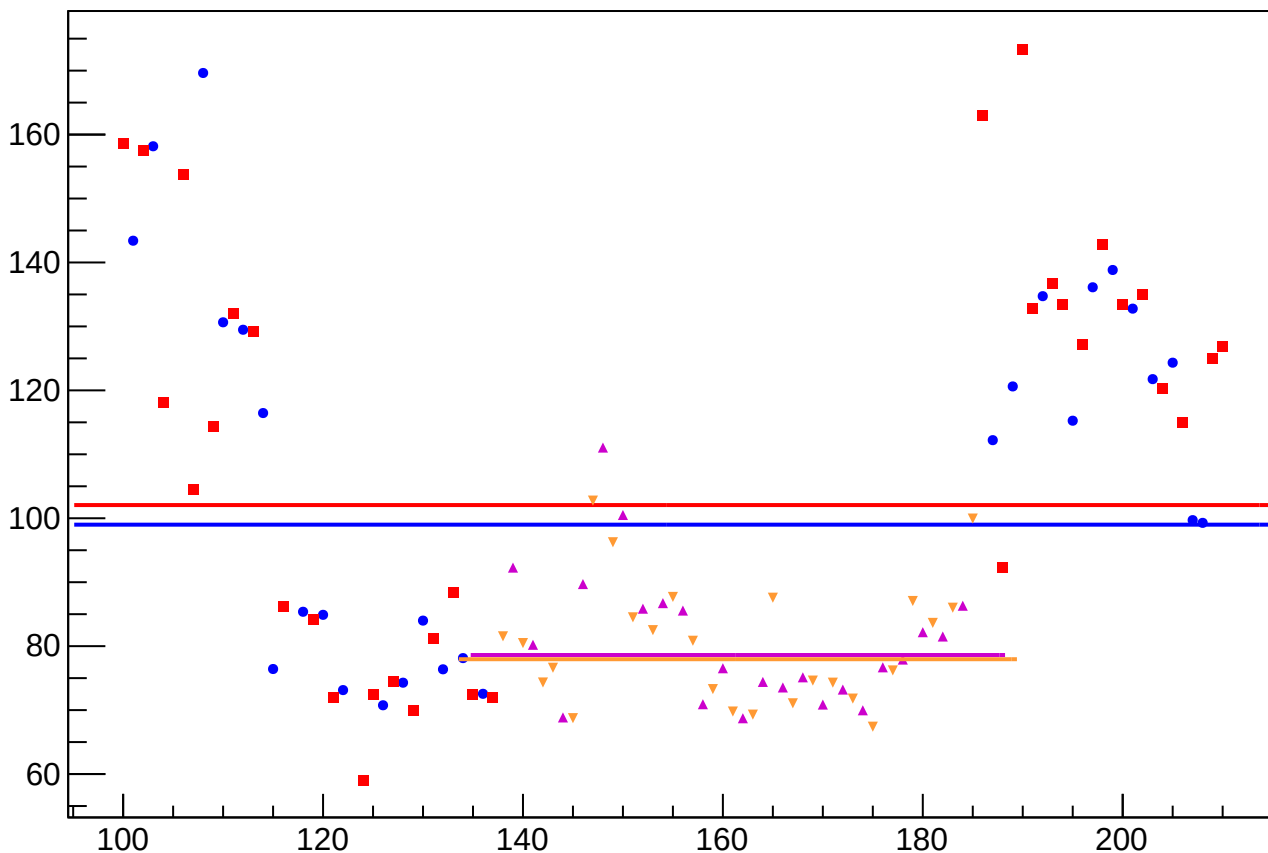
Left In: -0.004 ± 0.019 $\chi^2/\text{NDF}: 18.9/22$

+ sign 0.010 ± 0.015 $\chi^2/\text{NDF}: 64.8/51$

All: 0.005 ± 0.010 $\chi^2/\text{NDF}: 140.7/107$

- sign 0.000 ± 0.015 $\chi^2/\text{NDF}: 75.7/55$

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 98.999 $\pm$ 0.018 χ^2 /NDF: 2056633.2/26

Left Out: 77.957 $\pm$ 0.013 χ^2 /NDF: 439703.9/24

Right Out: 102.064 $\pm$ 0.018 χ^2 /NDF: 2516717.8/32

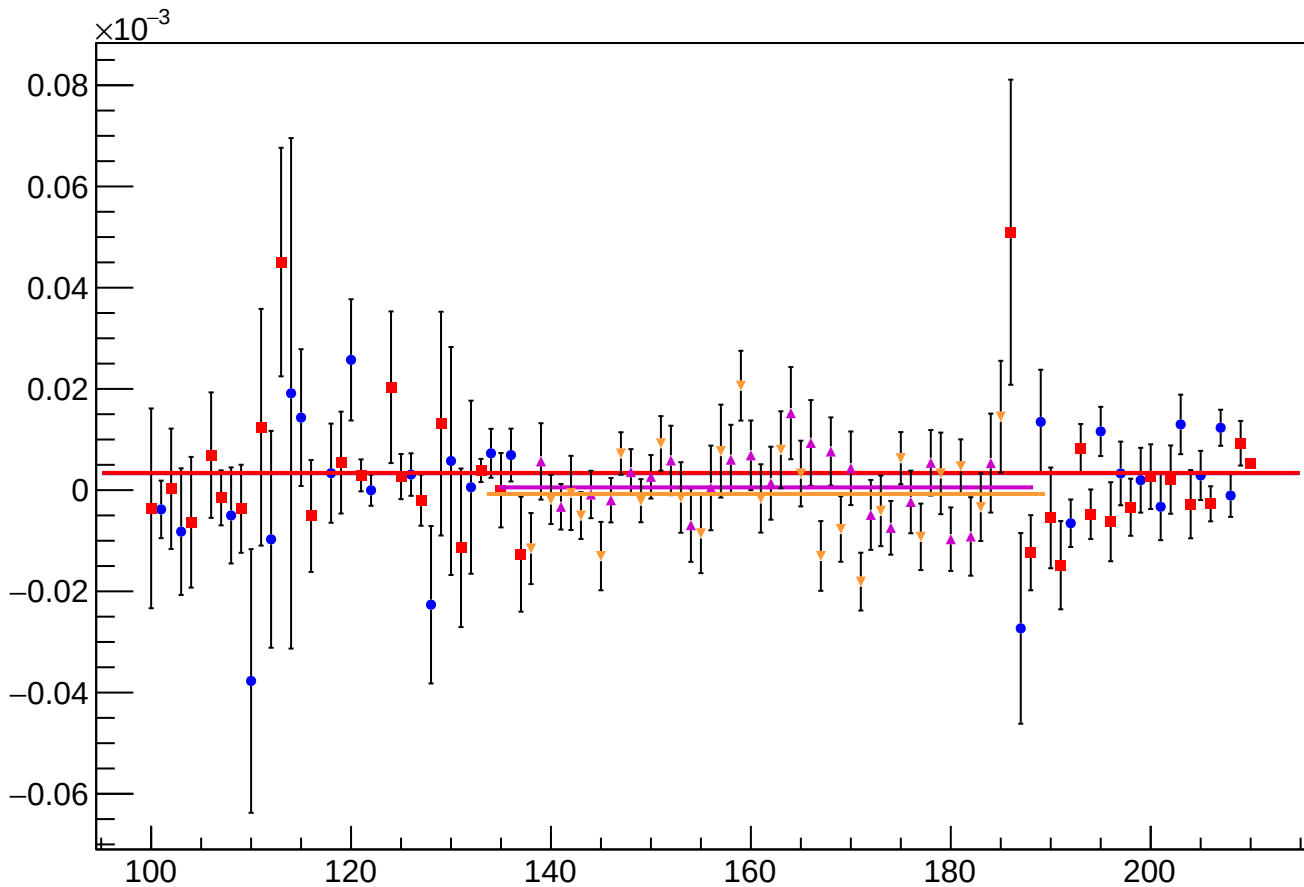
Left In: 78.615 $\pm$ 0.013 χ^2 /NDF: 497808.4/22

+ sign 84.726 $\pm$ 0.010 χ^2 /NDF: 3389746.7/51

All: 85.805 $\pm$ 0.007 χ^2 /NDF: 7555685.0/107

- sign 86.916 $\pm$ 0.011 χ^2 /NDF: 4144084.0/55

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 37.6/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 47.6/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 40.8/32

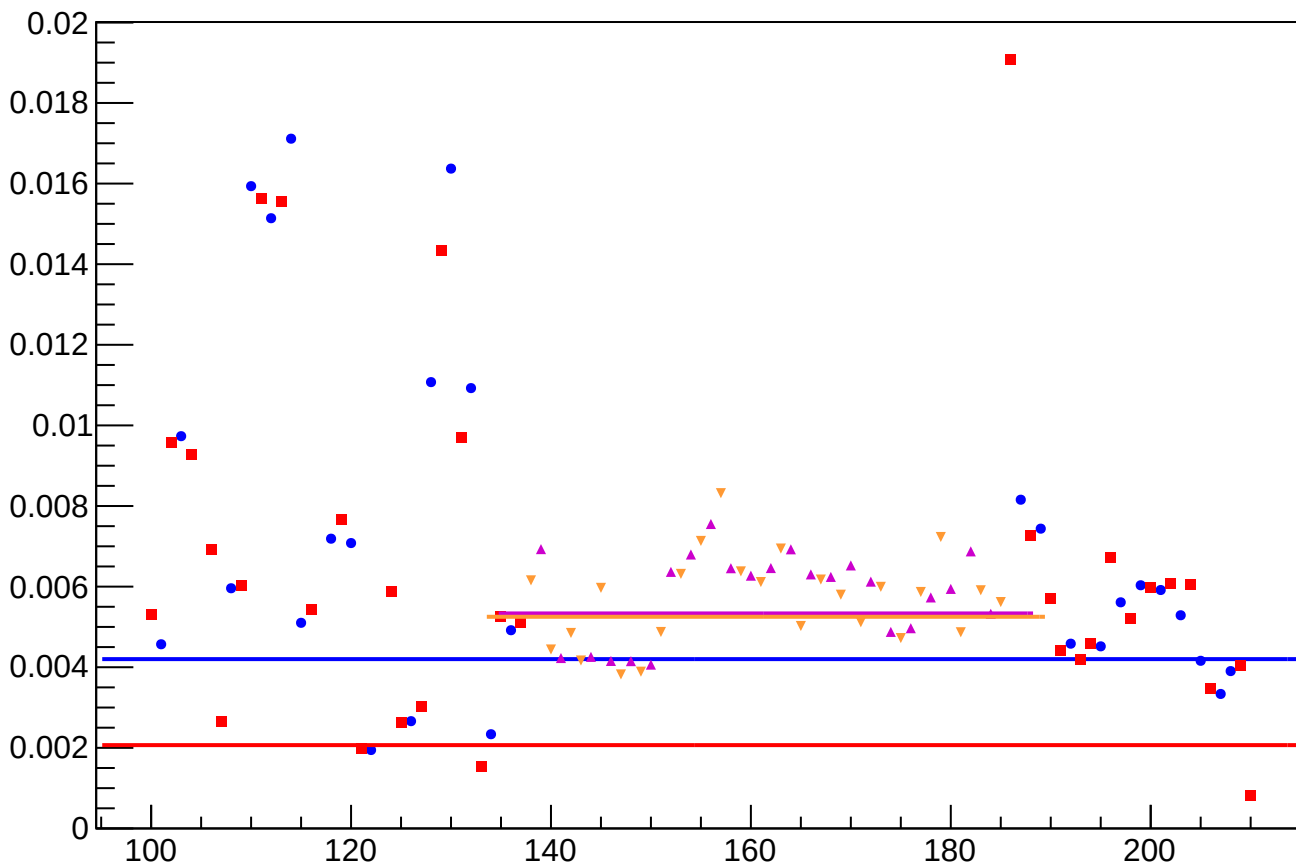
Left In: 0.000 ± 0.000 χ^2/NDF : 18.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 91.0/51

All: 0.000 ± 0.000 χ^2/NDF : 156.0/107

- sign 0.000 ± 0.000 χ^2/NDF : 63.3/55

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 5711209.5/26

Left Out: 0.005+/-0.000 χ^2/NDF : 1511867.7/24

Right Out: 0.002+/-0.000 χ^2/NDF : 17281739.9/32

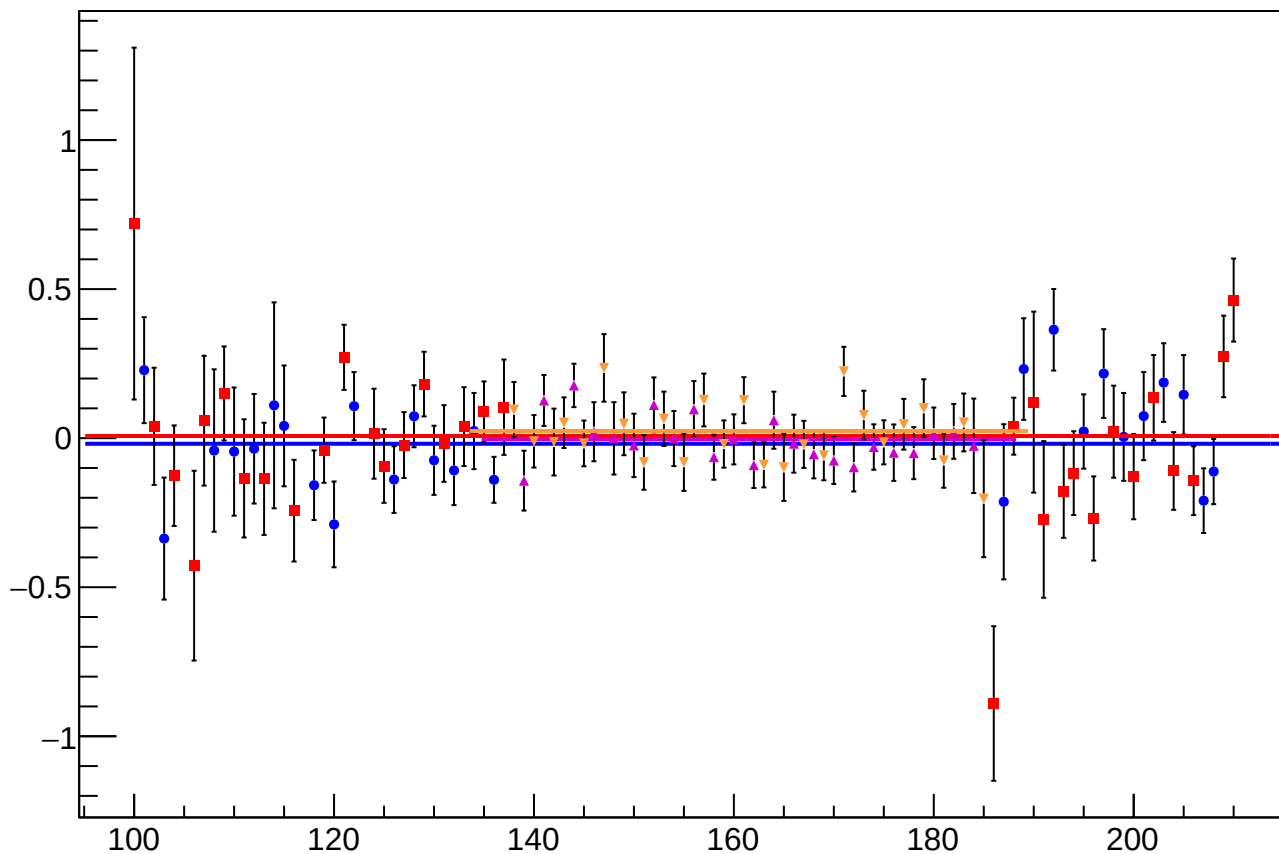
Left In: 0.005+/-0.000 χ^2/NDF : 1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 7980645.5/51

All: 0.003+/-0.000 χ^2/NDF : 43407784.9/107

- sign 0.003+/-0.000 χ^2/NDF : 28846326.9/55

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.019 ± 0.026 $\chi^2/\text{NDF}: 37.4/26$

Left Out: 0.024 ± 0.018 $\chi^2/\text{NDF}: 25.5/24$

Right Out: 0.007 ± 0.025 $\chi^2/\text{NDF}: 56.7/32$

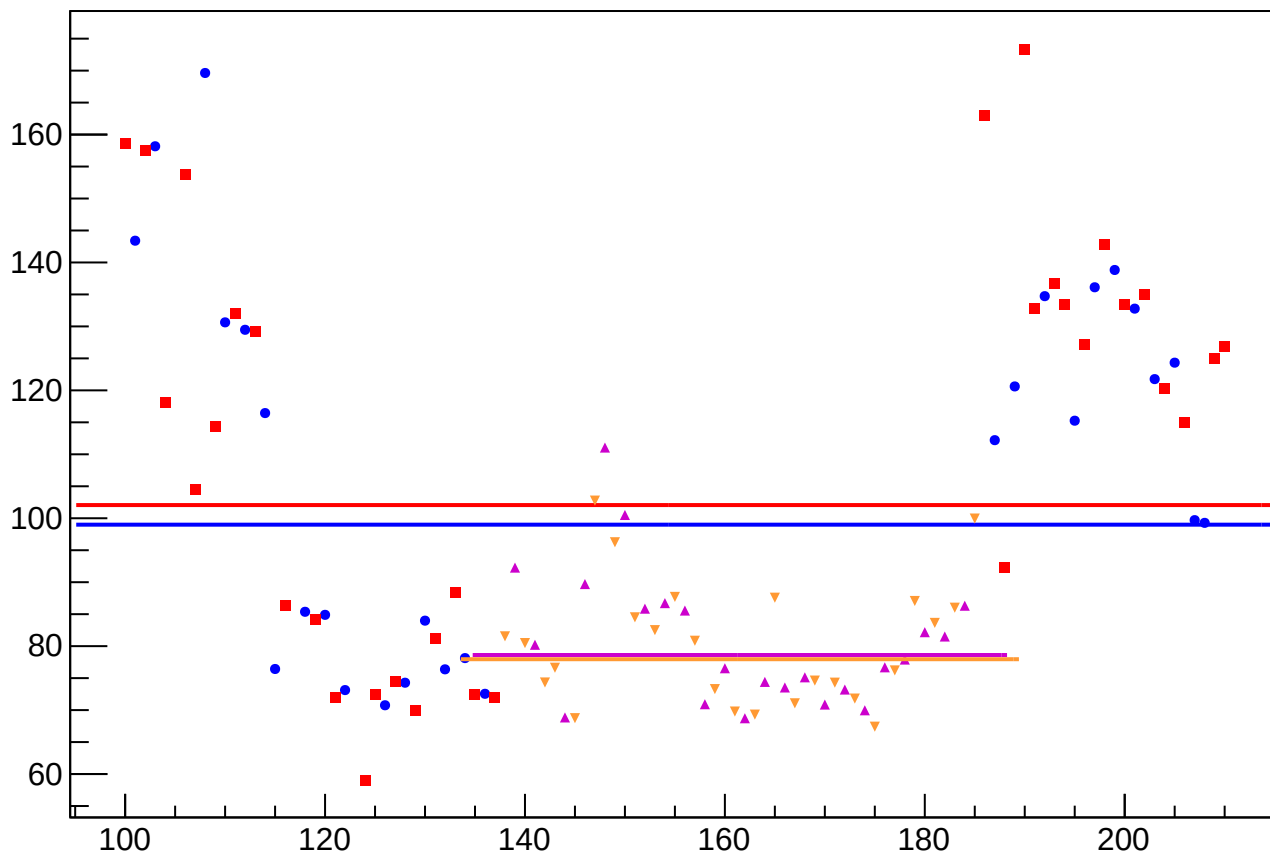
Left In: -0.004 ± 0.019 $\chi^2/\text{NDF}: 18.9/22$

+ sign 0.010 ± 0.015 $\chi^2/\text{NDF}: 64.8/51$

All: 0.005 ± 0.010 $\chi^2/\text{NDF}: 140.7/107$

- sign 0.000 ± 0.015 $\chi^2/\text{NDF}: 75.7/55$

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 98.996 $\pm$ 0.018 χ^2/NDF : 2056749.4/26

Left Out: 77.957 $\pm$ 0.013 χ^2/NDF : 439744.9/24

+ sign 84.725 $\pm$ 0.010 χ^2/NDF : 3389791.3/51

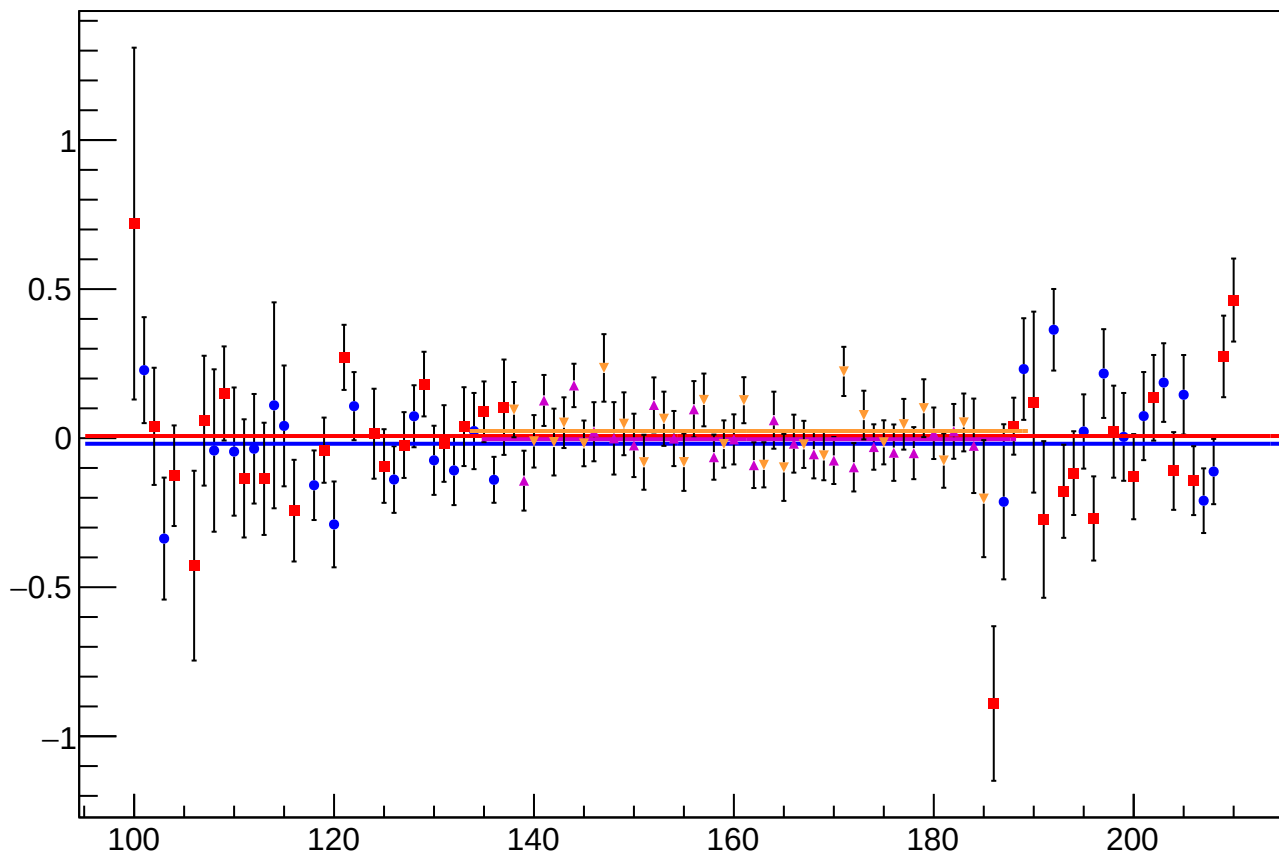
Right Out: 102.062 $\pm$ 0.018 χ^2/NDF : 2516838.9/32

All: 85.804 $\pm$ 0.007 χ^2/NDF : 7555808.8/107

- sign 86.915 $\pm$ 0.011 χ^2/NDF : 4144166.8/55

Left In: 78.614 $\pm$ 0.013 χ^2/NDF : 497846.3/22

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.019 ± 0.026 χ^2/NDF : 37.4/26

Left Out: 0.024 ± 0.018 χ^2/NDF : 25.5/24

Right Out: 0.007 ± 0.025 χ^2/NDF : 56.7/32

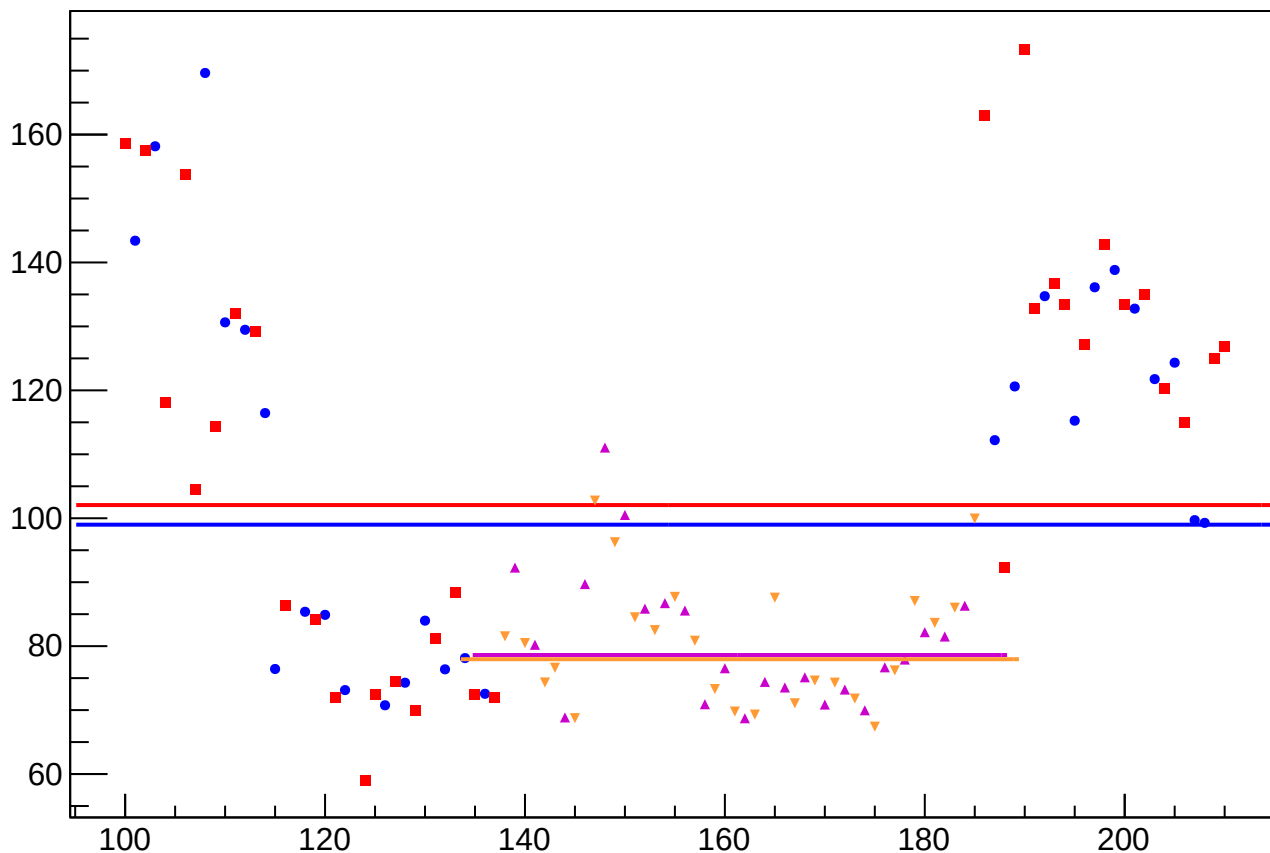
Left In: -0.004 ± 0.019 χ^2/NDF : 18.9/22

+ sign 0.010 ± 0.015 χ^2/NDF : 64.8/51

All: 0.005 ± 0.010 χ^2/NDF : 140.7/107

- sign 0.000 ± 0.015 χ^2/NDF : 75.7/55

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 98.996 $\pm$ 0.018 χ^2/NDF : 2056749.4/26

Left Out: 77.957 $\pm$ 0.013 χ^2/NDF : 439744.9/24

Right Out: 102.062 $\pm$ 0.018 χ^2/NDF : 2516838.9/32

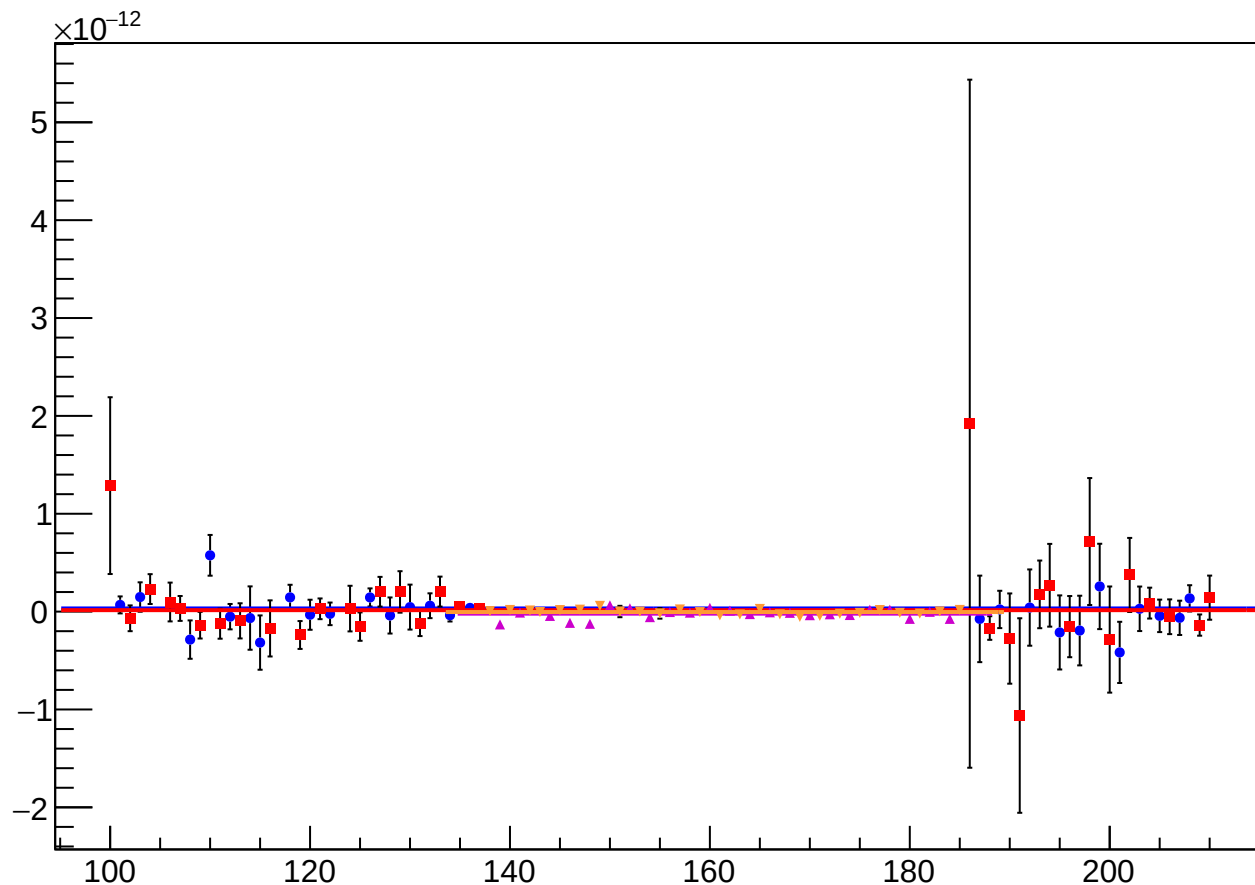
Left In: 78.614 $\pm$ 0.013 χ^2/NDF : 497846.3/22

+ sign 84.725 $\pm$ 0.010 χ^2/NDF : 3389791.3/51

All: 85.804 $\pm$ 0.007 χ^2/NDF : 7555808.8/107

- sign 86.915 $\pm$ 0.011 χ^2/NDF : 4144166.8/55

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 20.7/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 13.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 28.1/32

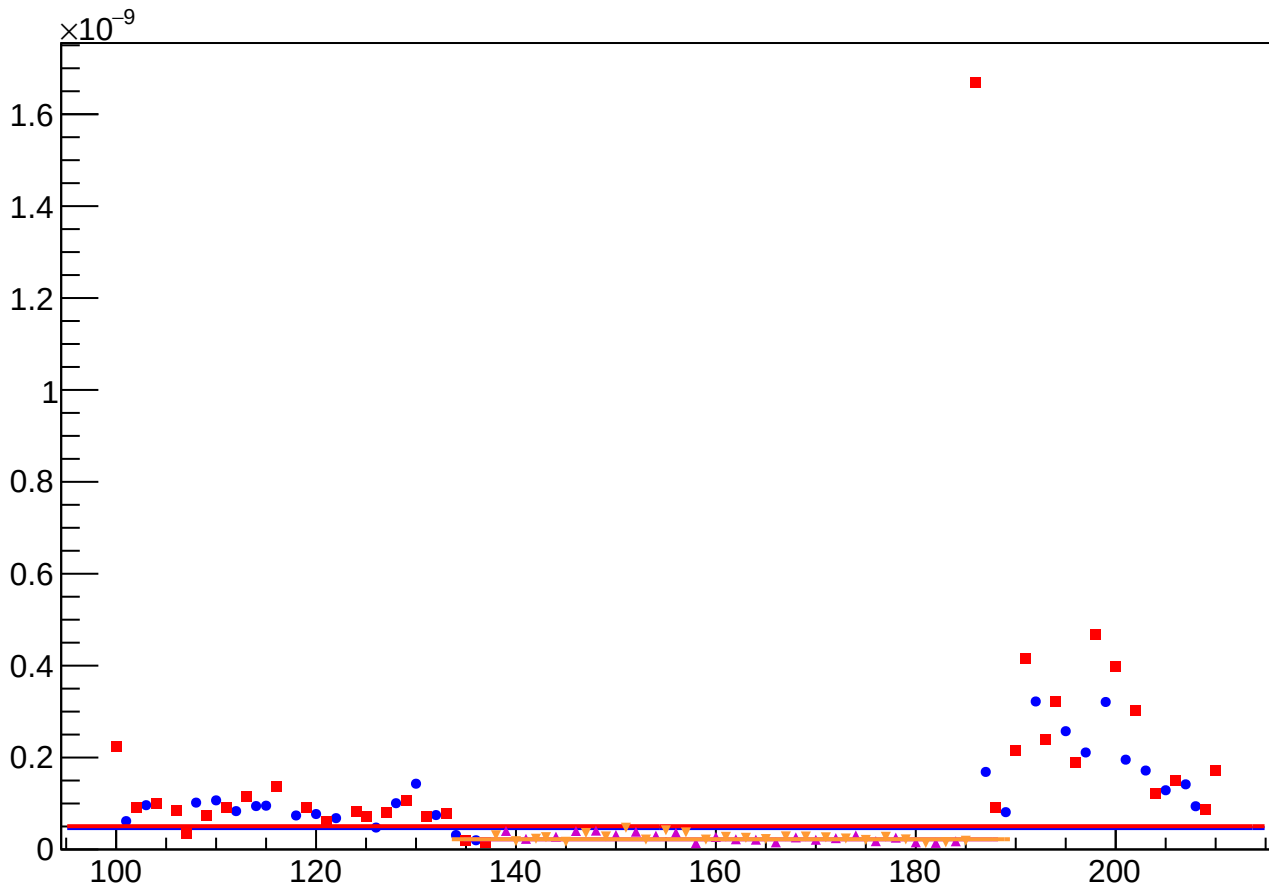
Left In: -0.000 ± 0.000 χ^2/NDF : 40.1/22

+ sign -0.000 ± 0.000 χ^2/NDF : 36.9/51

All: -0.000 ± 0.000 χ^2/NDF : 111.7/107

- sign -0.000 ± 0.000 χ^2/NDF : 70.9/55

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9259951.7/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12074844.3/32

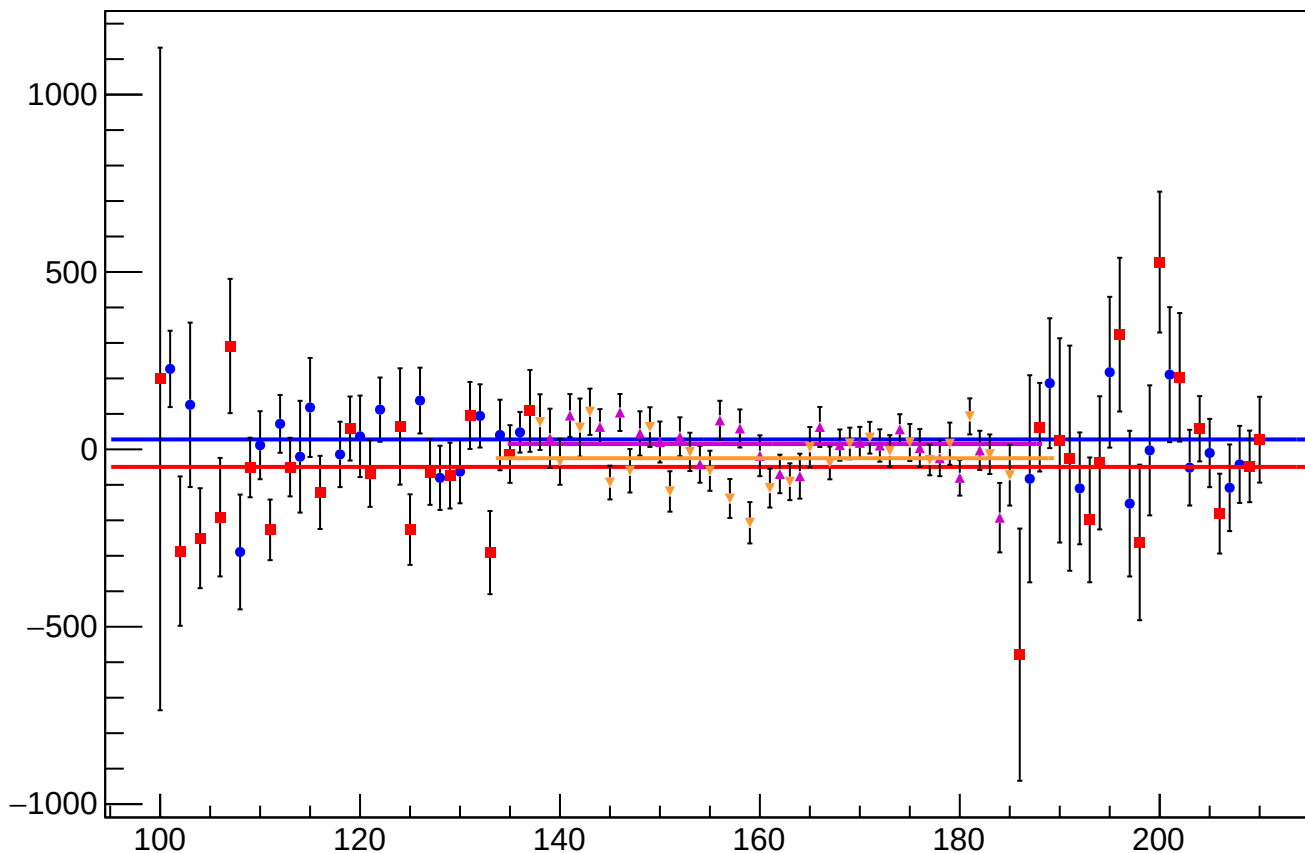
Left In: 0.000+/-0.000 χ^2/NDF : 2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 14308640.6/51

All: 0.000+/-0.000 χ^2/NDF : 32653685.4/107

- sign 0.000+/-0.000 χ^2/NDF : 18344794.7/55

reg_asym_sam_37_dd_mean vs Slug



Right In: 27.977 ± 21.132 χ^2/NDF : 20.5/26

Left Out: -24.988 ± 10.888 χ^2/NDF : 43.1/24

Right Out: -49.462 ± 20.881 χ^2/NDF : 47.3/32

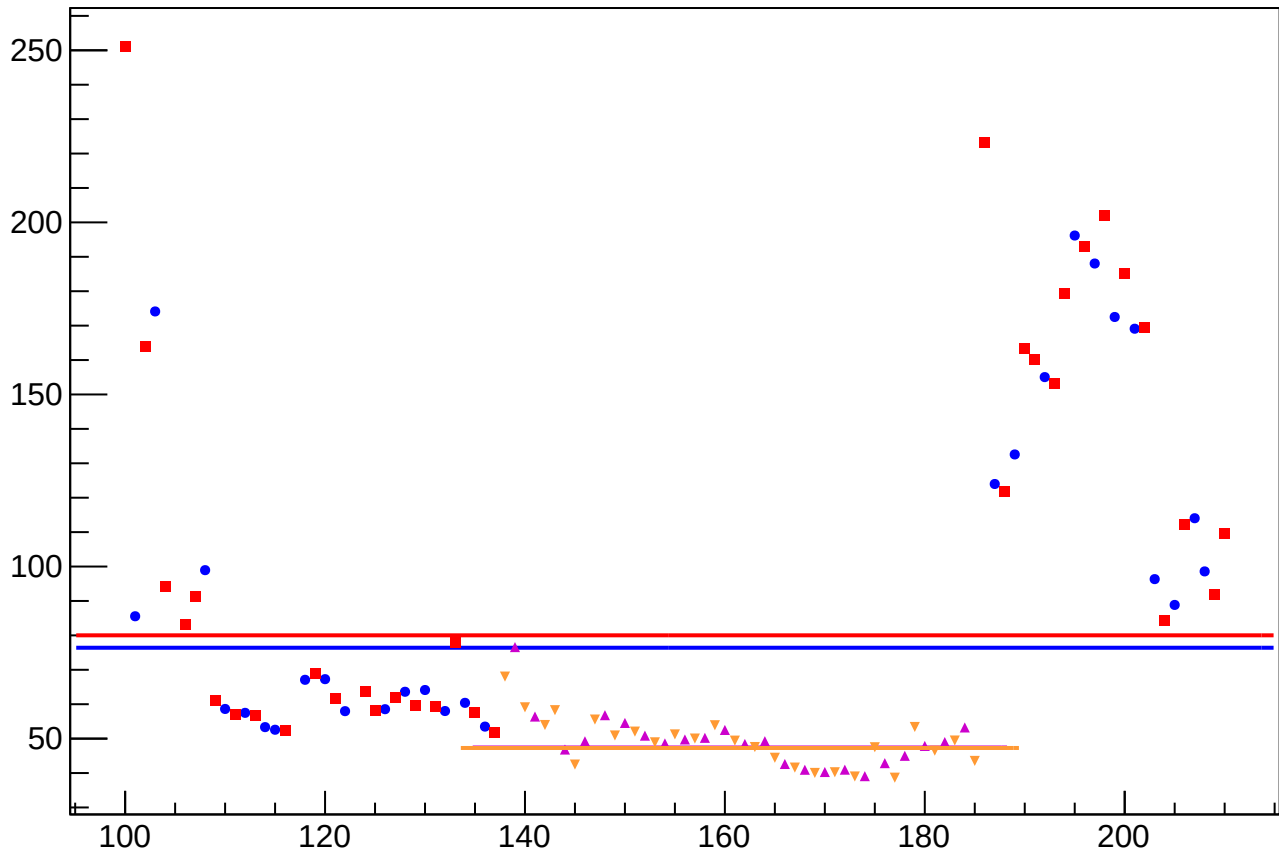
Left In: 14.994 ± 11.218 χ^2/NDF : 24.7/22

+ sign -13.877 ± 9.678 χ^2/NDF : 68.5/51

All: -6.810 ± 6.915 χ^2/NDF : 149.0/107

- sign 0.558 ± 9.882 χ^2/NDF : 79.4/55

reg_asym_sam_37_dd_rms vs Slug



Right In: 76.407 $\pm$ 0.015 χ^2 /NDF: 4779407.5/26

Left Out: 47.284 $\pm$ 0.008 χ^2 /NDF: 717249.8/24

Right Out: 80.016 $\pm$ 0.015 χ^2 /NDF: 6000383.2/32

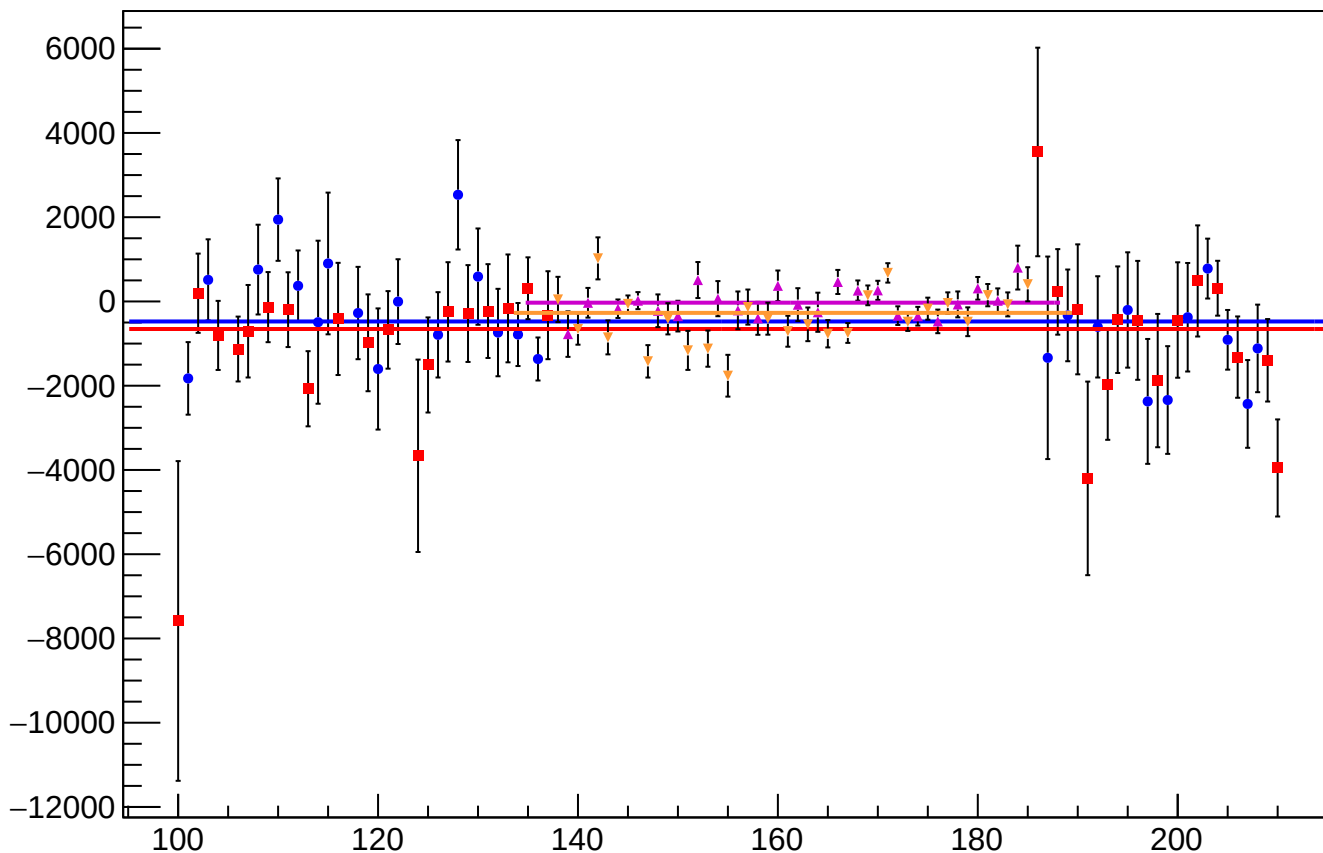
Left In: 47.425 $\pm$ 0.008 χ^2 /NDF: 655736.9/22

+ sign 53.393 $\pm$ 0.007 χ^2 /NDF: 8498593.6/51

All: 54.045 $\pm$ 0.005 χ^2 /NDF: 18954006.3/107

- sign 54.724 $\pm$ 0.007 χ^2 /NDF: 10436880.2/55

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -475.030 ± 191.338 χ^2/NDF : 34.5/26

Left Out: -271.031 ± 62.346 χ^2/NDF : 73.9/24

Right Out: -653.917 ± 187.288 χ^2/NDF : 32.5/32

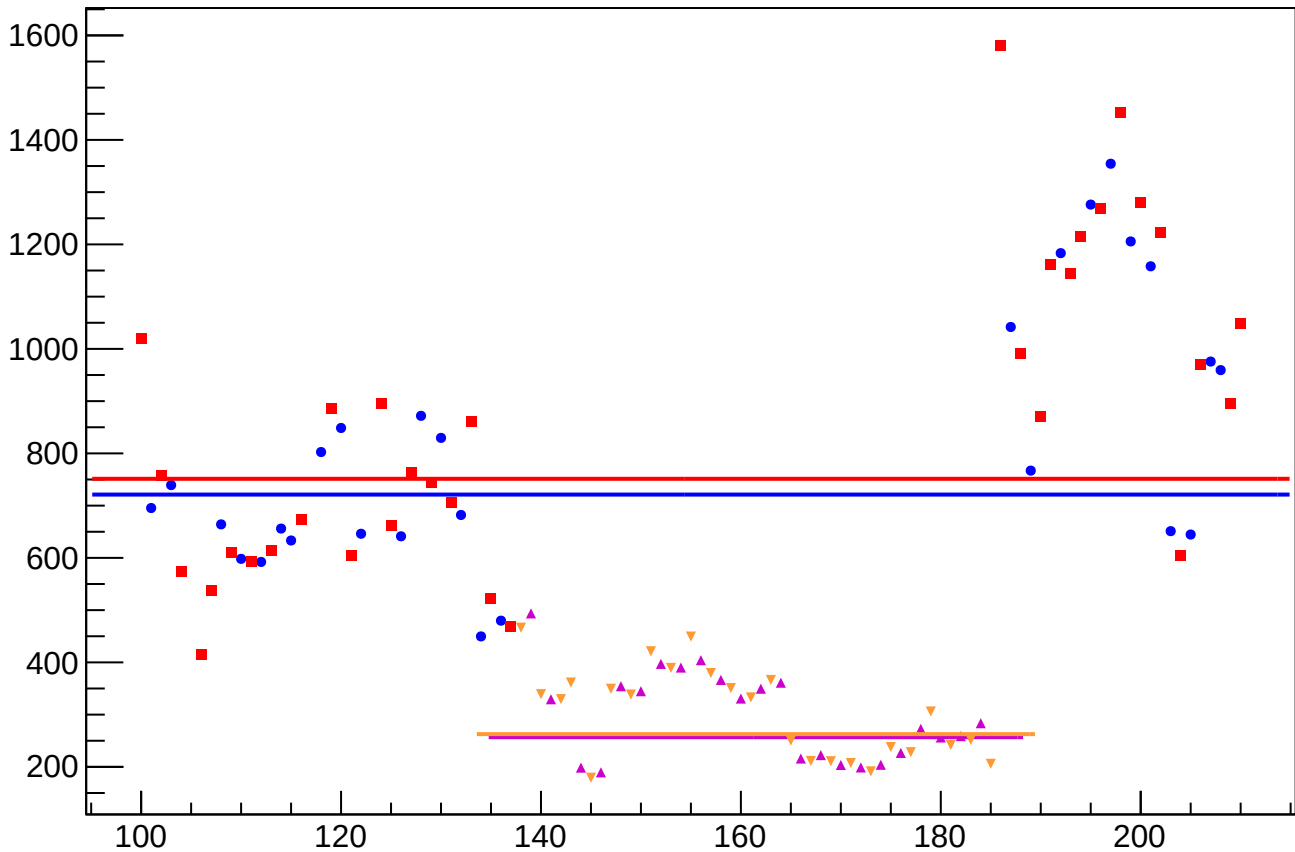
Left In: -29.200 ± 62.671 χ^2/NDF : 24.4/22

+ sign -290.612 ± 59.278 χ^2/NDF : 109.4/51

All: -191.616 ± 41.970 χ^2/NDF : 182.0/107

- sign -92.107 ± 59.432 χ^2/NDF : 66.9/55

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 721.161 $\pm$ 0.135 χ^2 /NDF: 2716463.3/26

Left Out: 262.679 $\pm$ 0.044 χ^2 /NDF: 2893255.4/24

+ sign 306.685 $\pm$ 0.042 χ^2 /NDF: 15990997.0/51

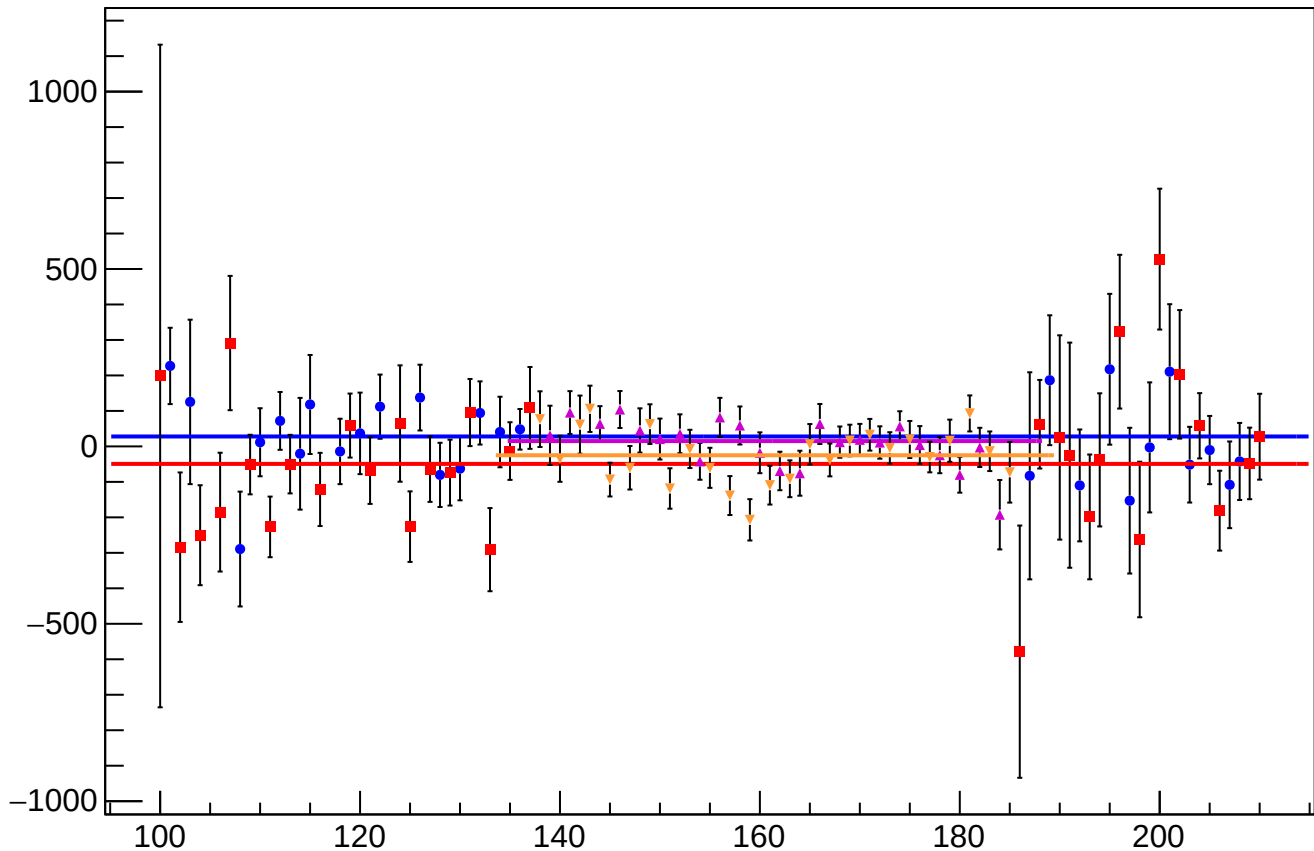
Right Out: 751.353 $\pm$ 0.132 χ^2 /NDF: 3652989.2/32

All: 306.661 $\pm$ 0.030 χ^2 /NDF: 34822309.9/10

- sign 306.638 $\pm$ 0.042 χ^2 /NDF: 18831312.2/55

Left In: 256.842 $\pm$ 0.044 χ^2 /NDF: 2639200.9/22

cor_asym_sam_37_dd_mean vs Slug



Right In: 27.970 ± 21.132 $\chi^2/\text{NDF}: 20.5/26$

Left Out: -24.985 ± 10.888 $\chi^2/\text{NDF}: 43.1/24$

Right Out: -49.328 ± 20.882 $\chi^2/\text{NDF}: 47.2/32$

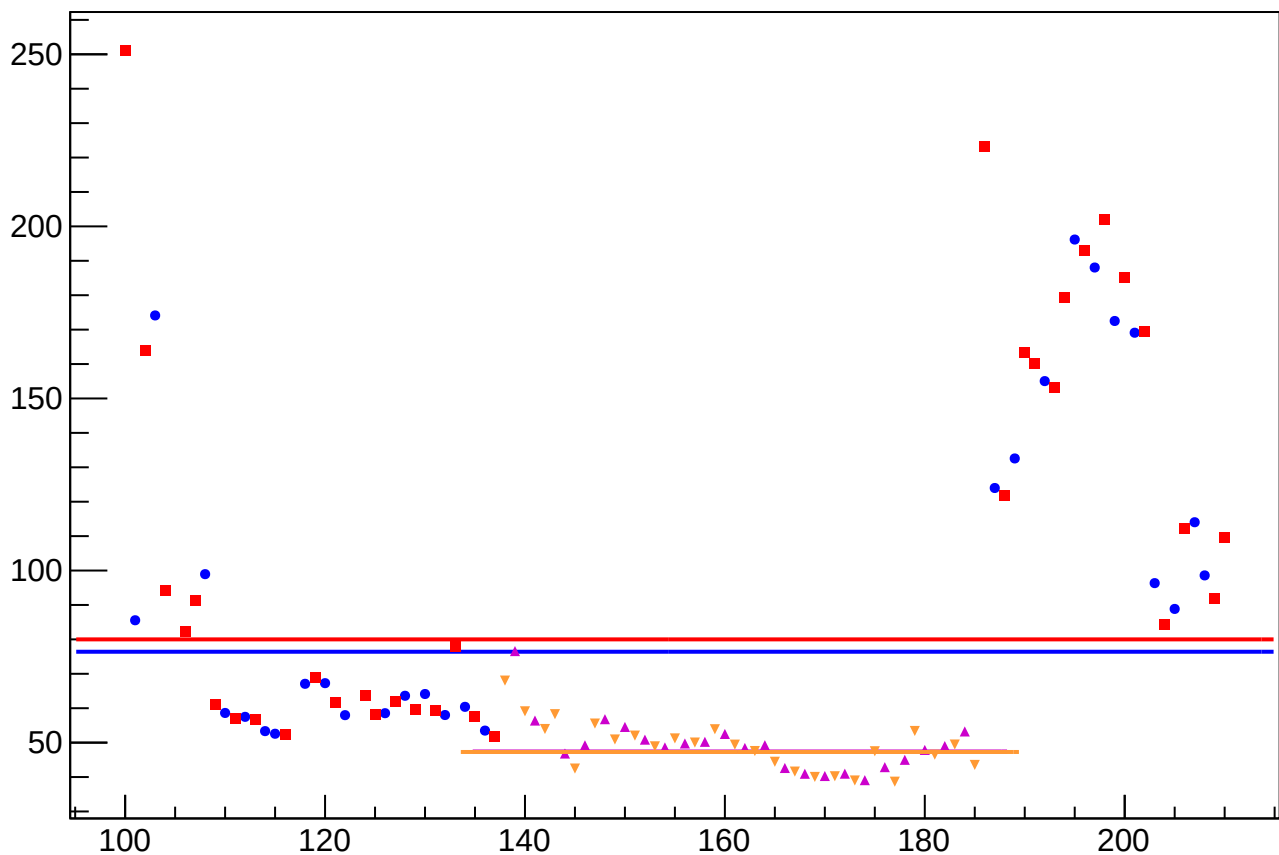
Left In: 14.992 ± 11.218 $\chi^2/\text{NDF}: 24.7/22$

+ sign -13.876 ± 9.678 $\chi^2/\text{NDF}: 68.5/51$

All: -6.795 ± 6.915 $\chi^2/\text{NDF}: 148.9/107$

- sign 0.587 ± 9.882 $\chi^2/\text{NDF}: 79.3/55$

cor_asym_sam_37_dd_rms vs Slug



Right In: 76.407 $\pm$ 0.015 χ^2 /NDF: 4779409.9/26

Left Out: 47.284 $\pm$ 0.008 χ^2 /NDF: 717249.7/24

Right Out: 79.999 $\pm$ 0.015 χ^2 /NDF: 6000169.0/32

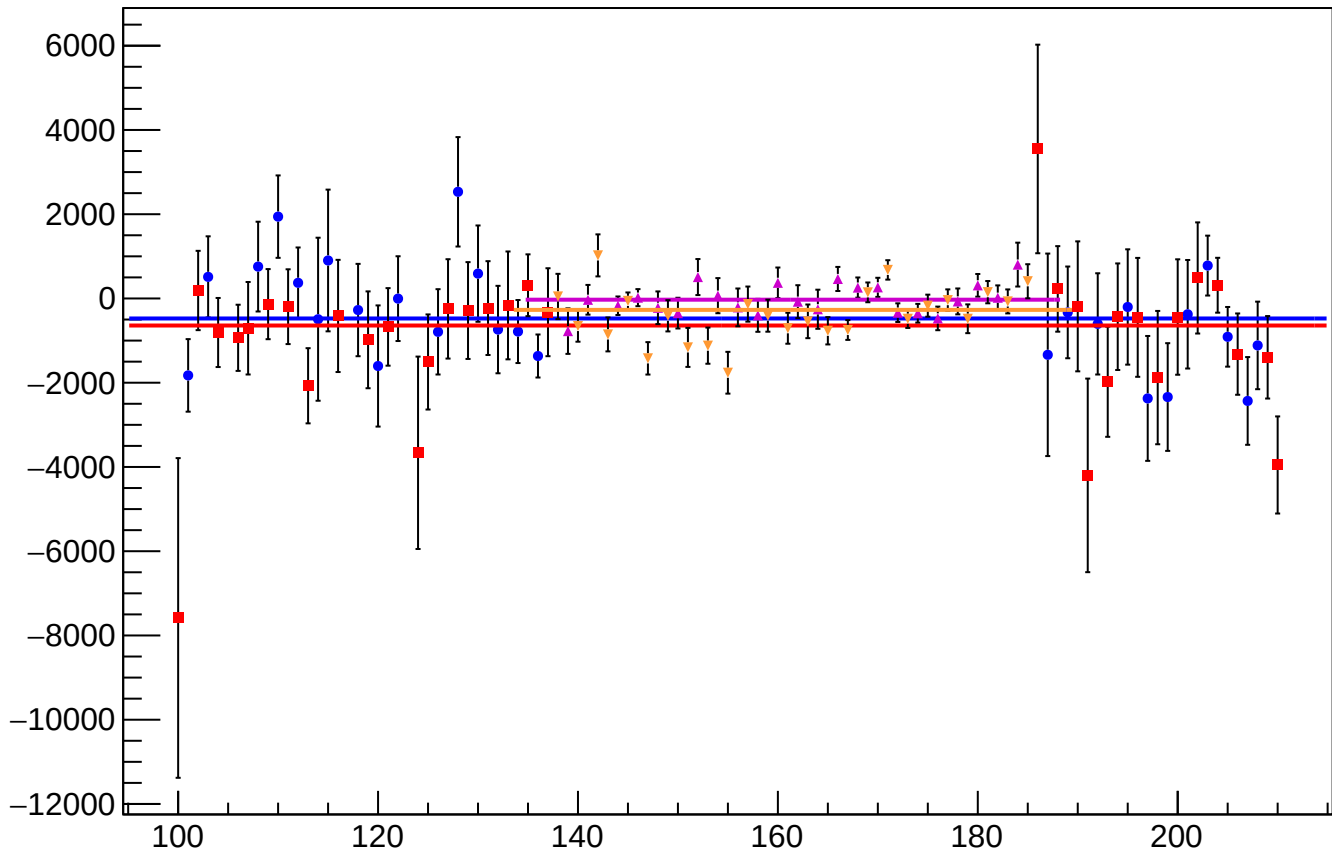
Left In: 47.425 $\pm$ 0.008 χ^2 /NDF: 655736.9/22

+ sign 53.393 $\pm$ 0.007 χ^2 /NDF: 8498595.3/51

All: 54.043 $\pm$ 0.005 χ^2 /NDF: 18949660.8/107

- sign 54.720 $\pm$ 0.007 χ^2 /NDF: 10432648.0/55

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -475.031 ± 191.338 χ^2/NDF : 34.5/26

Left Out: -271.027 ± 62.346 χ^2/NDF : 73.9/24

Right Out: -642.078 ± 187.513 χ^2/NDF : 32.3/32

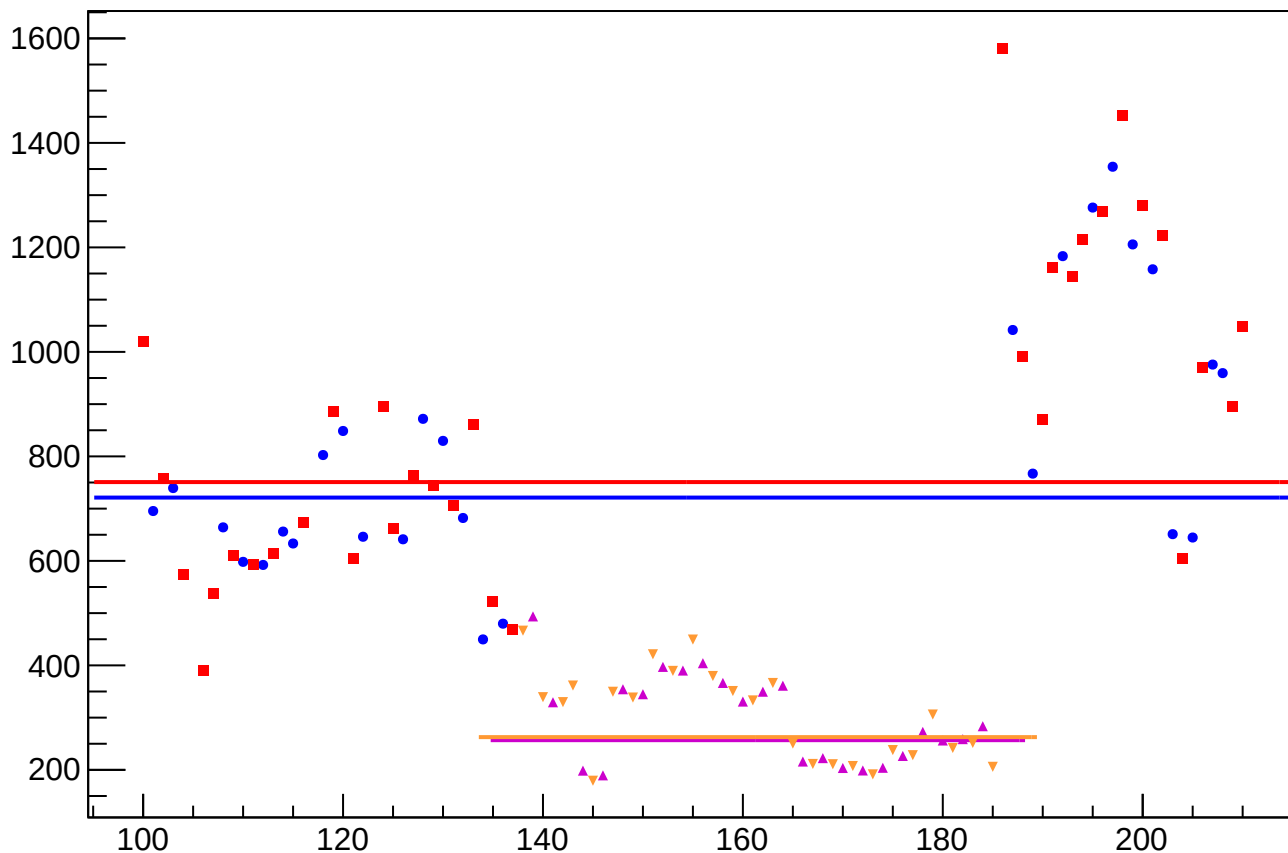
Left In: -29.202 ± 62.671 χ^2/NDF : 24.4/22

+ sign -290.607 ± 59.278 χ^2/NDF : 109.4/51

All: -190.965 ± 41.973 χ^2/NDF : 181.4/107

- sign -90.783 ± 59.439 χ^2/NDF : 66.3/55

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 721.164 ± 0.135 χ^2/NDF : 2716468.5/26

Left Out: 262.679 ± 0.044 χ^2/NDF : 2893257.1/24

Right Out: 750.829 ± 0.133 χ^2/NDF : 3690973.4/32

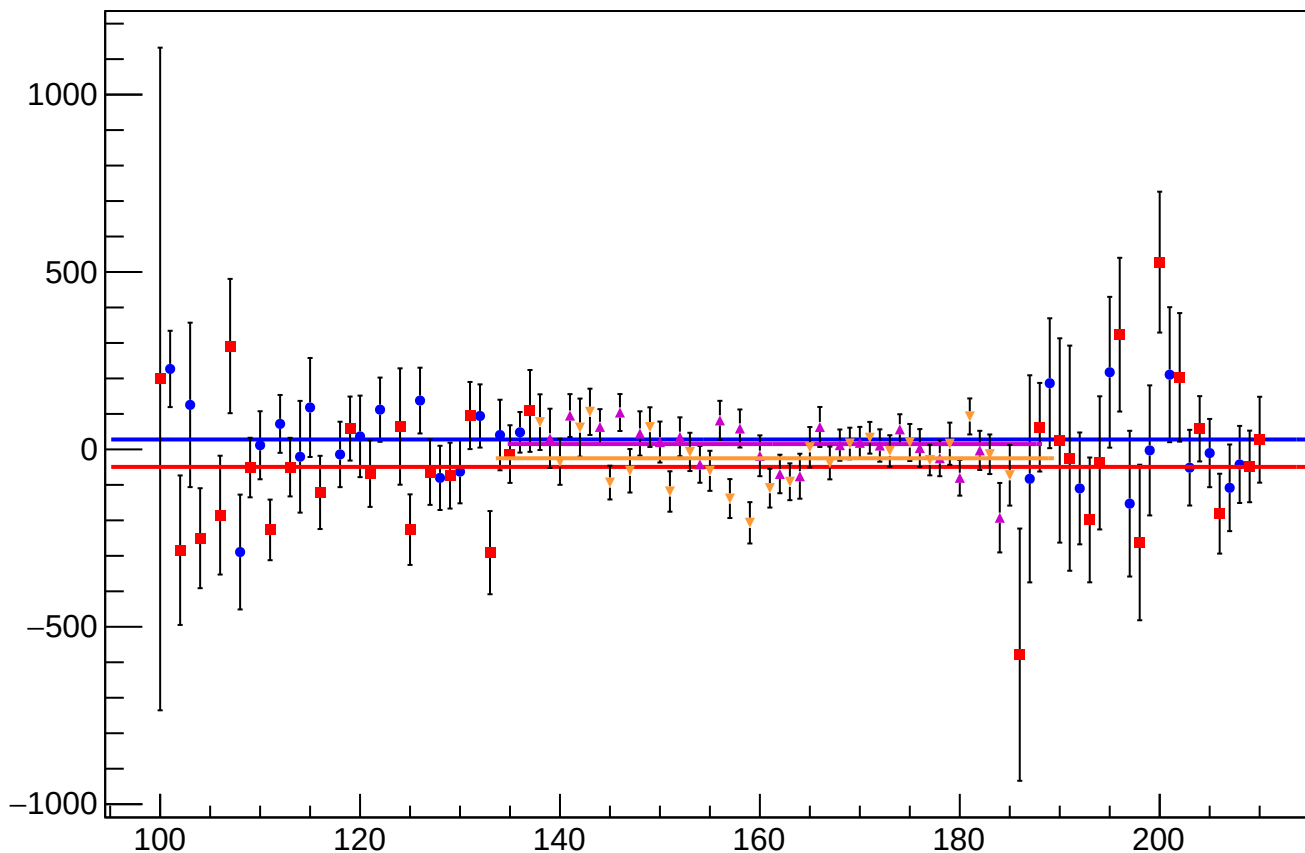
Left In: 256.842 ± 0.044 χ^2/NDF : 2639196.2/22

+ sign 306.685 ± 0.042 χ^2/NDF : 15991054.2/51

All: 306.582 ± 0.030 χ^2/NDF : 34806797.6/10

- sign 306.478 ± 0.042 χ^2/NDF : 18815731.3/55

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 27.970 ± 21.132 $\chi^2/\text{NDF}: 20.5/26$

Left Out: -24.985 ± 10.888 $\chi^2/\text{NDF}: 43.1/24$

Right Out: -49.328 ± 20.882 $\chi^2/\text{NDF}: 47.2/32$

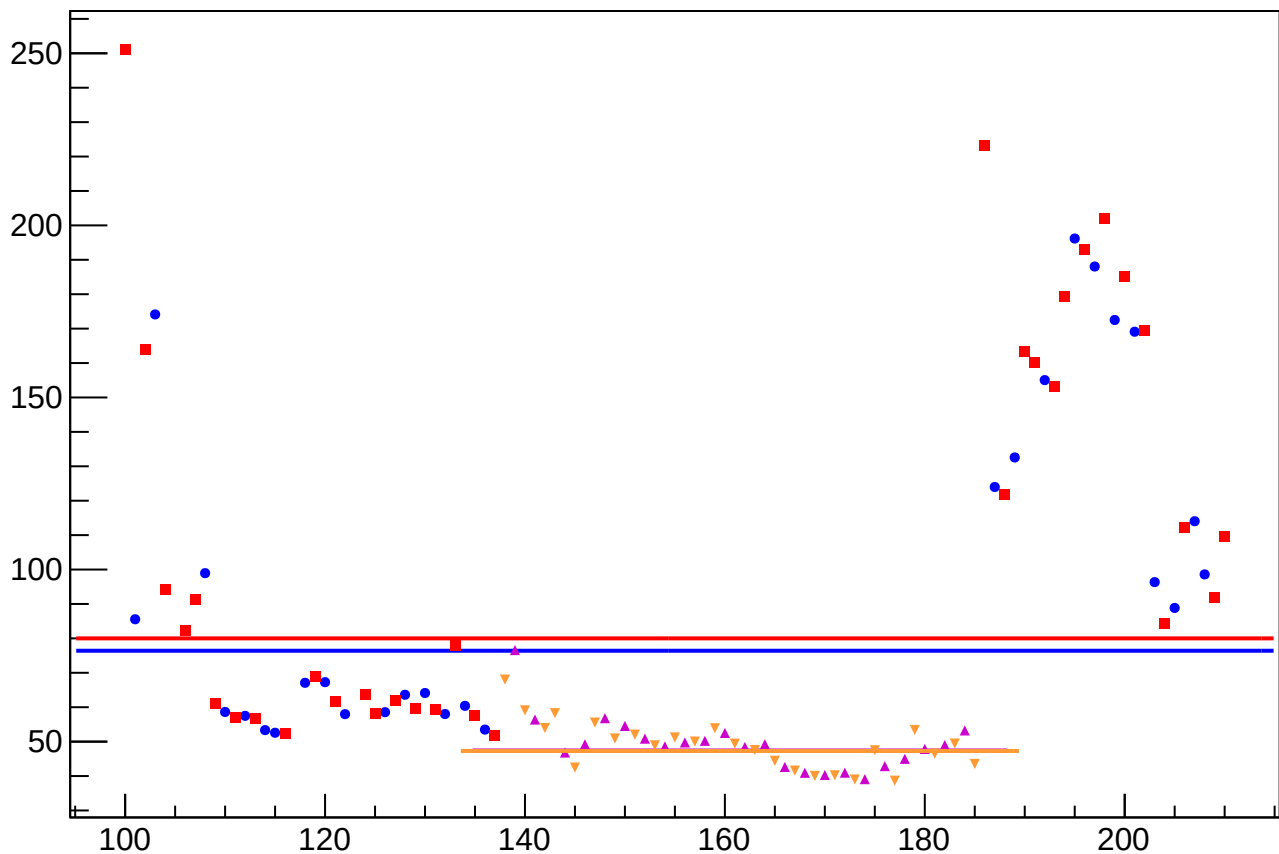
Left In: 14.992 ± 11.218 $\chi^2/\text{NDF}: 24.7/22$

+ sign -13.876 ± 9.678 $\chi^2/\text{NDF}: 68.5/51$

All: -6.795 ± 6.915 $\chi^2/\text{NDF}: 148.9/107$

- sign 0.587 ± 9.882 $\chi^2/\text{NDF}: 79.3/55$

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 76.407 $\pm$ 0.015 χ^2/NDF : 4779409.9/26

Left Out: 47.284 $\pm$ 0.008 χ^2/NDF : 717249.7/24

Right Out: 79.999 $\pm$ 0.015 χ^2/NDF : 6000169.0/32

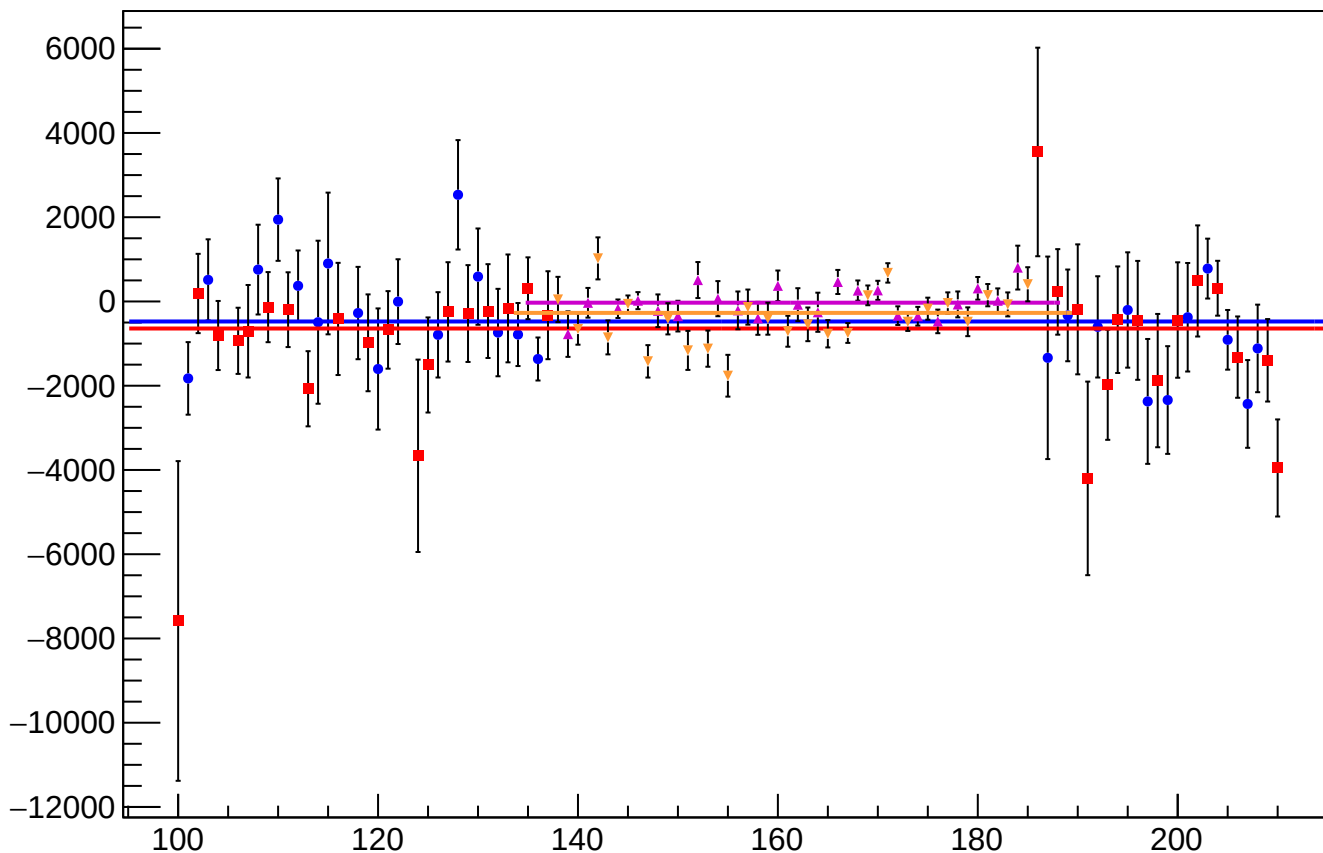
Left In: 47.425 $\pm$ 0.008 χ^2/NDF : 655736.9/22

+ sign 53.393 $\pm$ 0.007 χ^2/NDF : 8498595.3/51

All: 54.043 $\pm$ 0.005 χ^2/NDF : 18949660.8/107

- sign 54.720 $\pm$ 0.007 χ^2/NDF : 10432648.0/55

asym_sam_37_dd_eigen_cor_correction_mean vs Slug



Right In: -475.031 ± 191.338 χ^2/NDF : 34.5/26

Left Out: -271.027 ± 62.346 χ^2/NDF : 73.9/24

Right Out: -642.078 ± 187.513 χ^2/NDF : 32.3/32

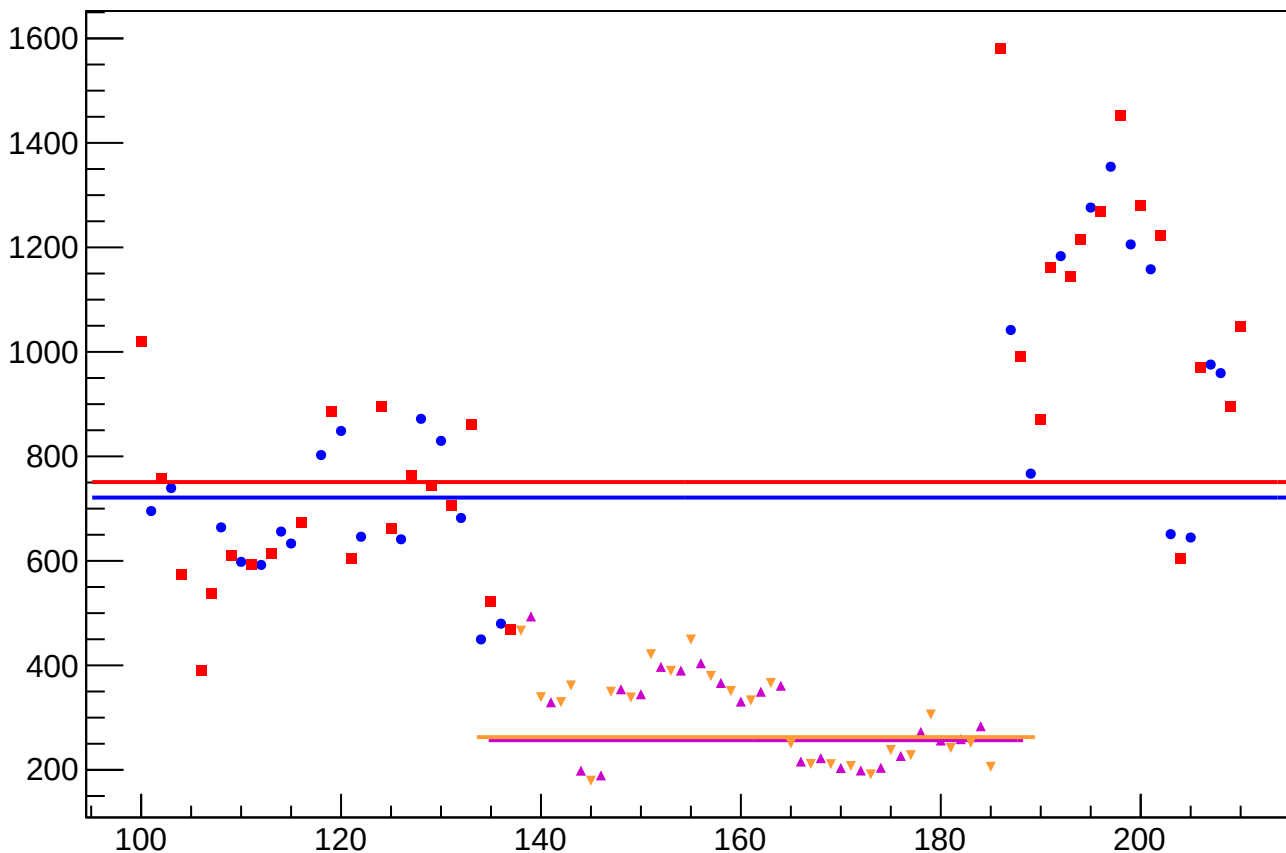
Left In: -29.202 ± 62.671 χ^2/NDF : 24.4/22

+ sign -290.607 ± 59.278 χ^2/NDF : 109.4/51

All: -190.965 ± 41.973 χ^2/NDF : 181.4/107

- sign -90.783 ± 59.439 χ^2/NDF : 66.3/55

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 721.164 $\pm$ 0.135 χ^2 /NDF: 2716468.5/26

Left Out: 262.679 $\pm$ 0.044 χ^2 /NDF: 2893257.1/24

Right Out: 750.829 $\pm$ 0.133 χ^2 /NDF: 3690973.4/32

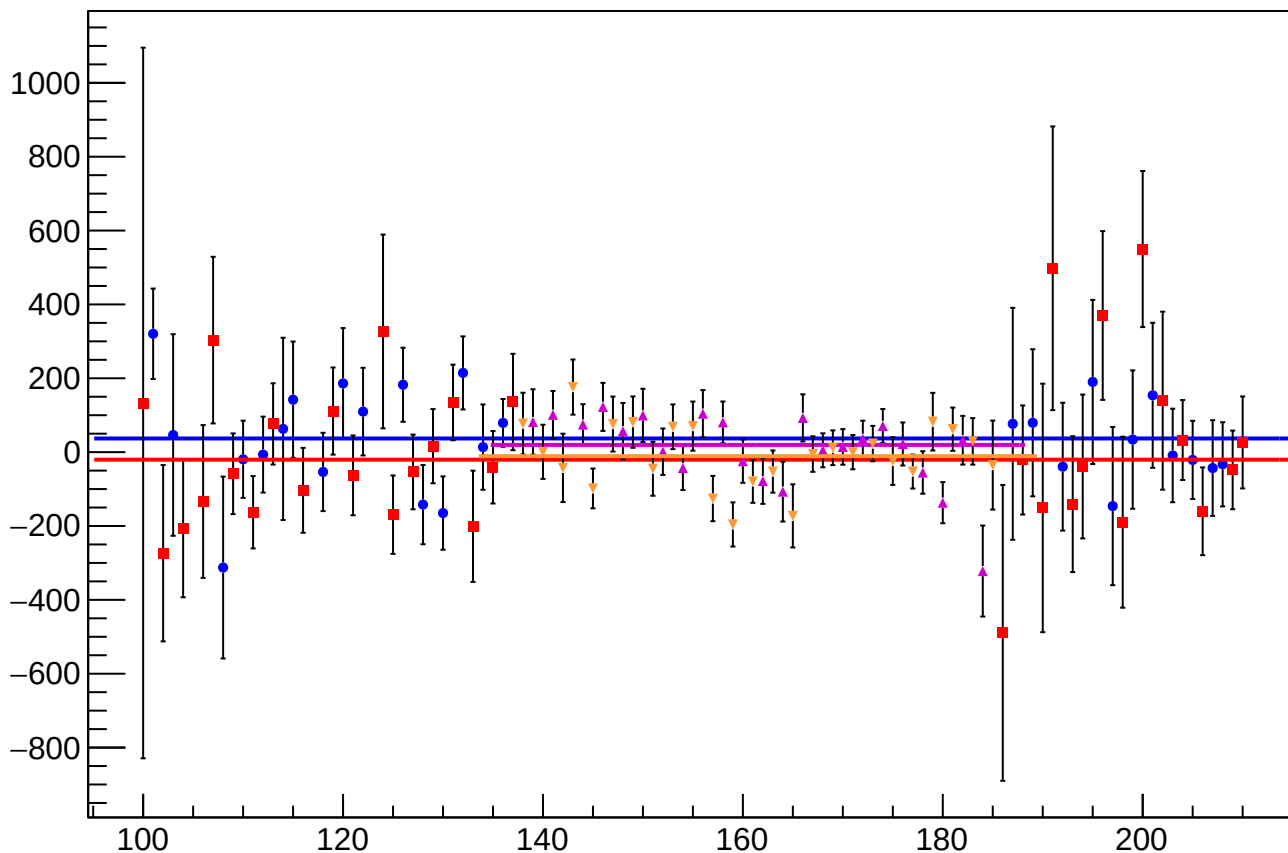
Left In: 256.842 $\pm$ 0.044 χ^2 /NDF: 2639196.2/22

+ sign 306.685 $\pm$ 0.042 χ^2 /NDF: 15991054.2/51

All: 306.582 $\pm$ 0.030 χ^2 /NDF: 34806797.6/10

- sign 306.478 $\pm$ 0.042 χ^2 /NDF: 18815731.3/55

dit_asym_sam_37_dd_mean vs Slug



Right In: 37.017 ± 24.248 χ^2/NDF : 26.1/26

Left Out: -10.823 ± 12.306 χ^2/NDF : 40.4/24

Right Out: -20.360 ± 24.209 χ^2/NDF : 35.4/32

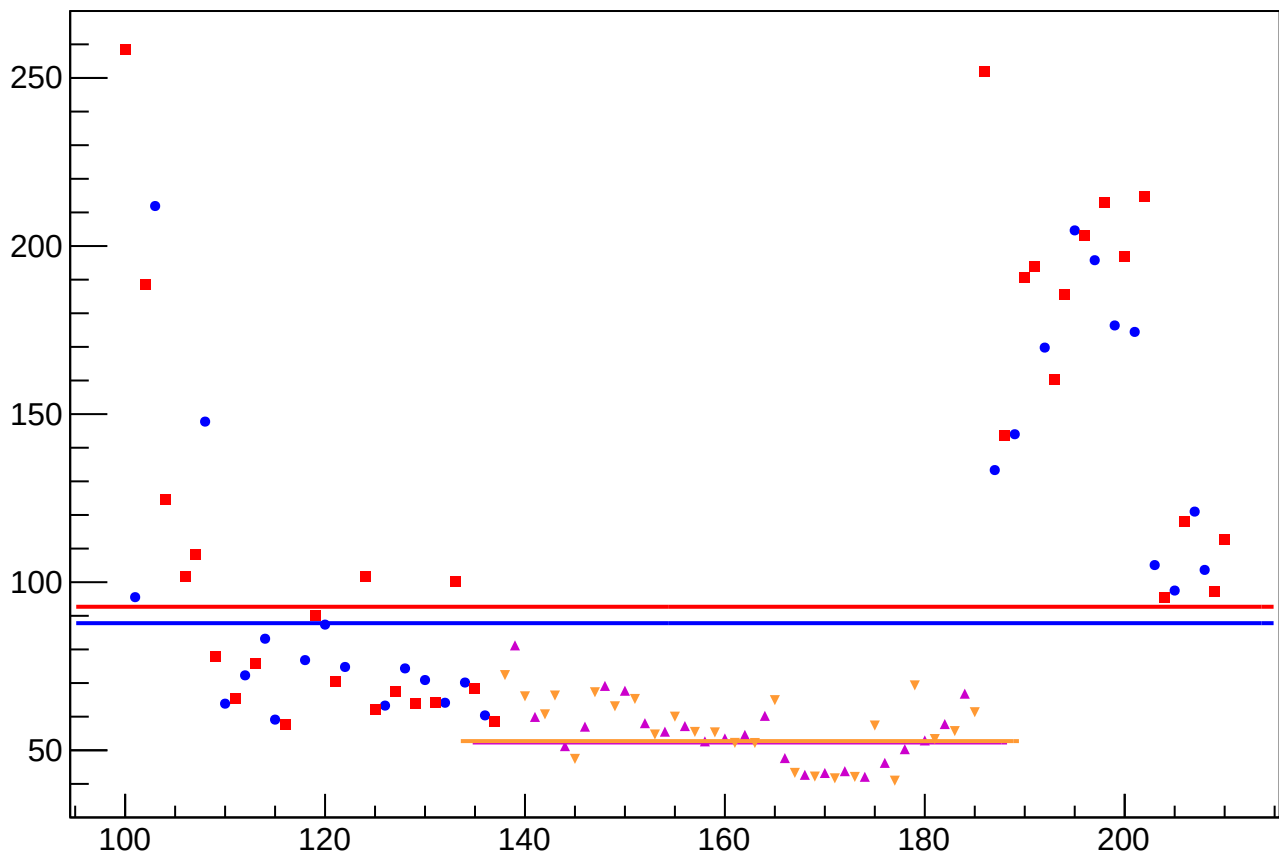
Left In: 19.597 ± 12.546 χ^2/NDF : 36.8/22

+ sign -1.025 ± 10.974 χ^2/NDF : 69.6/51

All: 4.966 ± 7.817 χ^2/NDF : 144.5/107

- sign 11.138 ± 11.139 χ^2/NDF : 74.3/55

dit_asym_sam_37_dd_rms vs Slug



Right In: 87.811 $\pm$ 0.017 χ^2 /NDF: 4304129.9/26

Left Out: 52.731 $\pm$ 0.009 χ^2 /NDF: 1167195.4/24

Right Out: 92.694 $\pm$ 0.017 χ^2 /NDF: 5586045.4/32

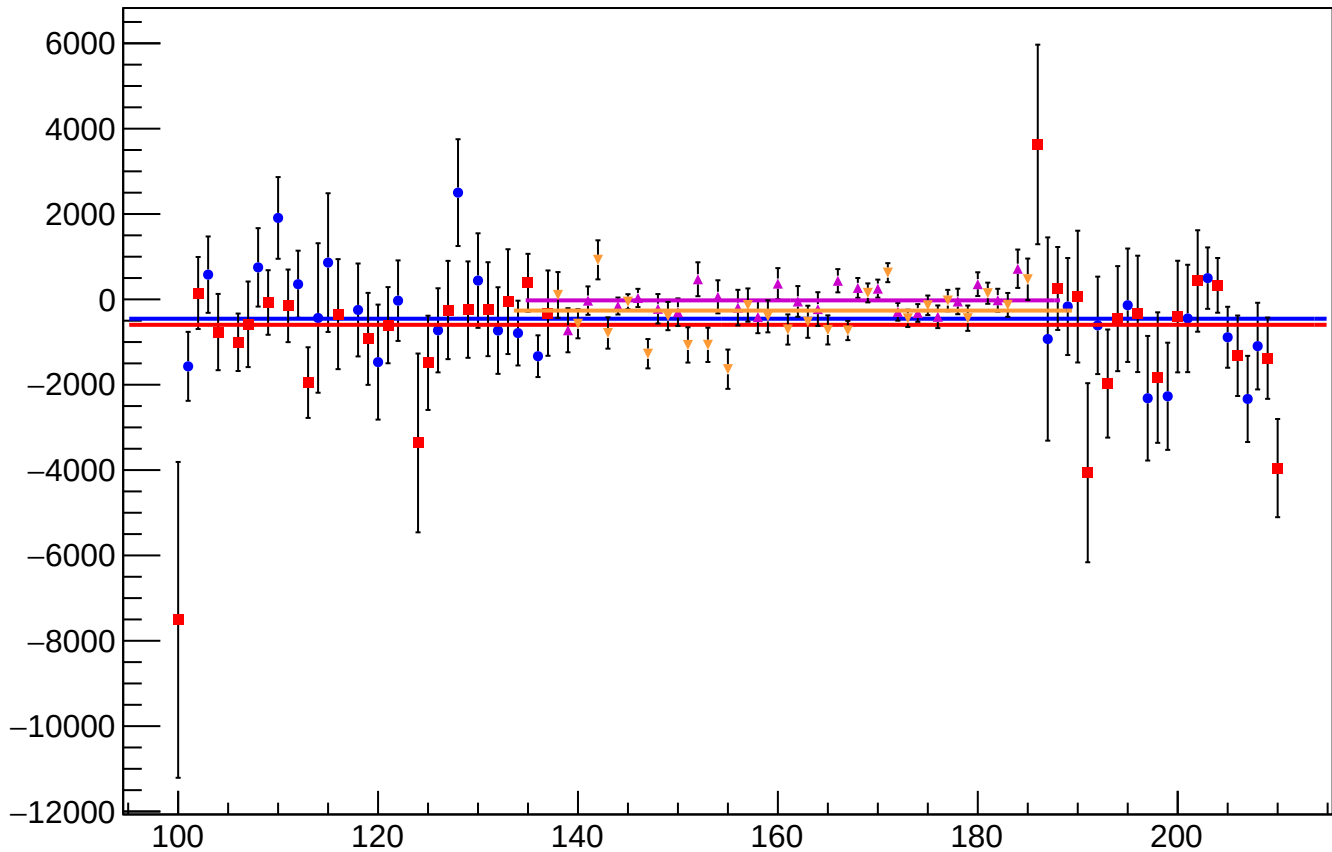
Left In: 52.314 $\pm$ 0.009 χ^2 /NDF: 891847.5/22

+ sign 59.916 $\pm$ 0.008 χ^2 /NDF: 8799953.8/51

All: 60.382 $\pm$ 0.006 χ^2 /NDF: 19671537.7/107

- sign 60.862 $\pm$ 0.008 χ^2 /NDF: 10864249.4/55

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -453.610 ± 185.278 χ^2/NDF : 33.2/26

Left Out: -262.582 ± 58.501 χ^2/NDF : 72.2/24

Right Out: -596.347 ± 178.631 χ^2/NDF : 34.8/32

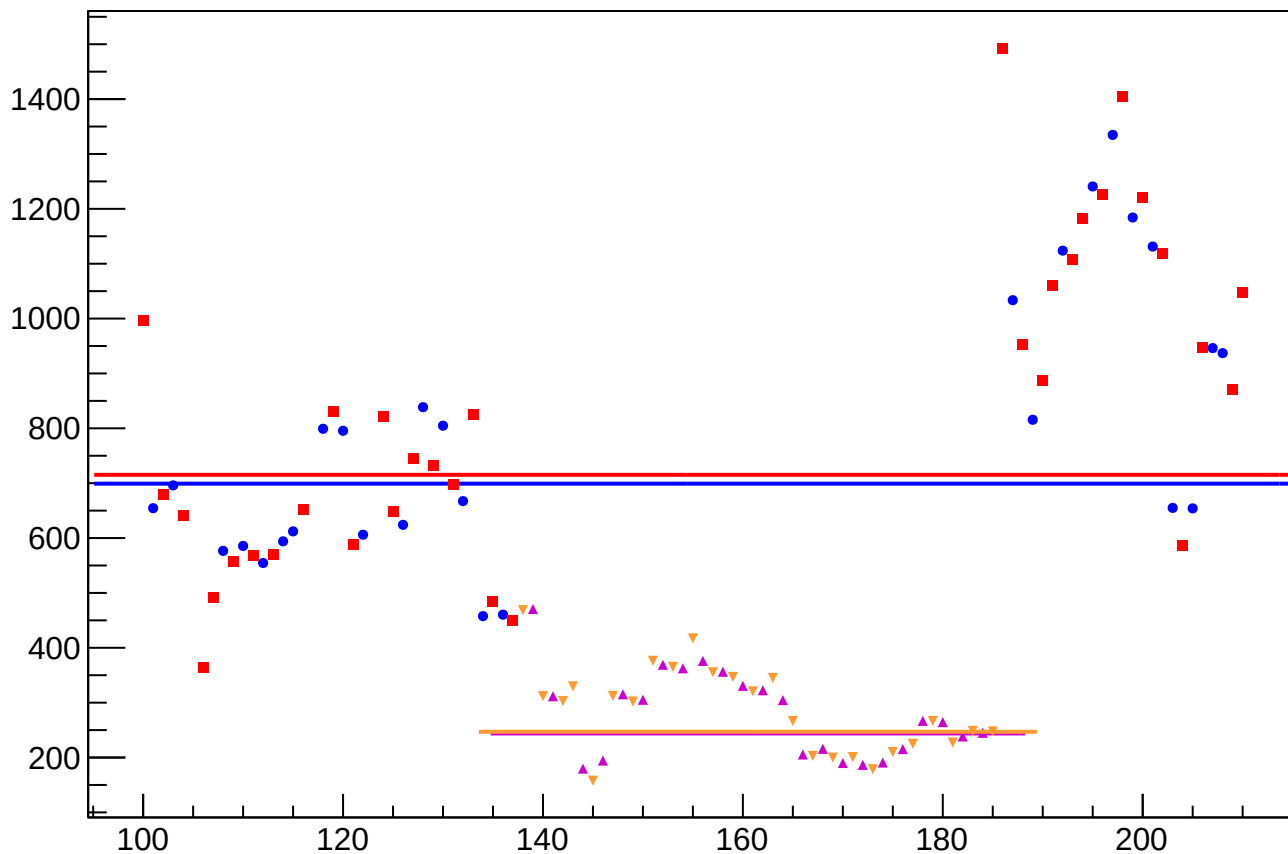
Left In: -23.469 ± 59.397 χ^2/NDF : 24.2/22

+ sign -279.900 ± 55.786 χ^2/NDF : 106.4/51

All: -181.226 ± 39.649 χ^2/NDF : 181.0/107

- sign -80.503 ± 56.363 χ^2/NDF : 68.2/55

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 699.138 $\pm$ 0.131 χ^2/NDF : 2760281.1/26

Left Out: 246.995 $\pm$ 0.041 χ^2/NDF : 2925691.6/24

Right Out: 715.251 $\pm$ 0.126 χ^2/NDF : 3895809.8/32

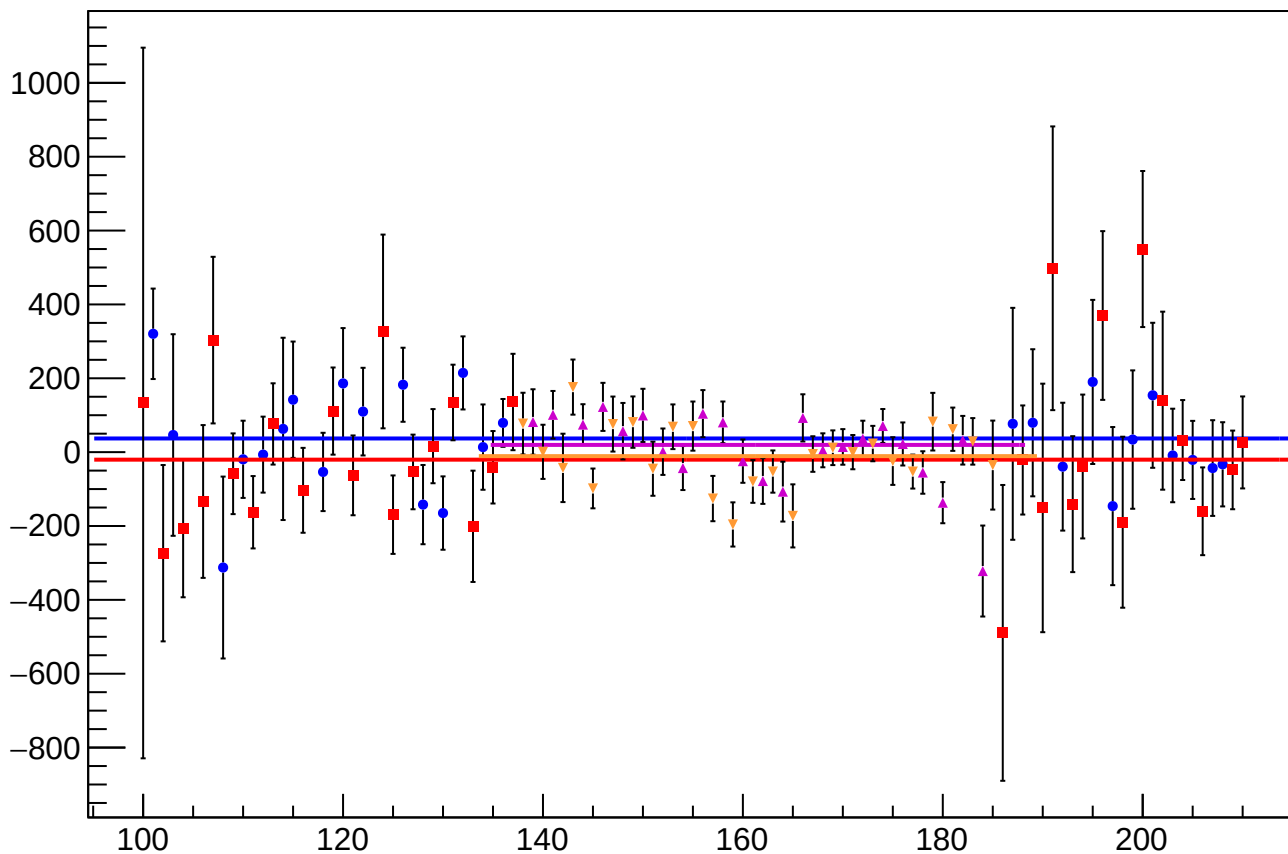
Left In: 243.825 $\pm$ 0.042 χ^2/NDF : 2490545.8/22

+ sign 287.986 $\pm$ 0.039 χ^2/NDF : 16516759.8/51

All: 289.358 $\pm$ 0.028 χ^2/NDF : 35448519.5/10

- sign 290.758 $\pm$ 0.040 χ^2/NDF : 18929314.7/55

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 37.017 ± 24.248 χ^2/NDF : 26.1/26

Left Out: -10.822 ± 12.306 χ^2/NDF : 40.4/24

Right Out: -20.359 ± 24.209 χ^2/NDF : 35.4/32

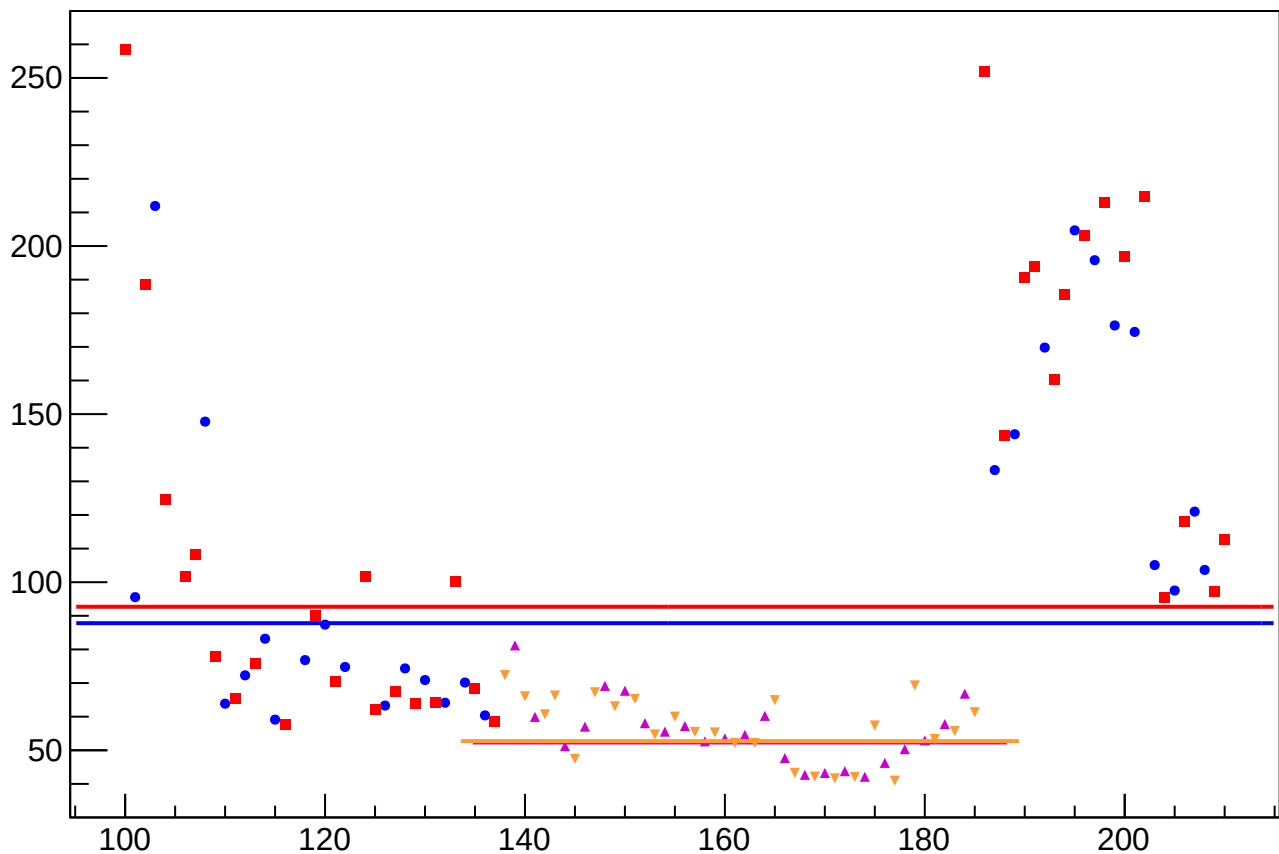
Left In: 19.598 ± 12.546 χ^2/NDF : 36.8/22

+ sign -1.025 ± 10.974 χ^2/NDF : 69.6/51

All: 4.966 ± 7.817 χ^2/NDF : 144.5/107

- sign 11.138 ± 11.139 χ^2/NDF : 74.3/55

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 87.811+/-0.017 χ^2/NDF : 4304154.1/26

Left Out: 52.731+/-0.009 χ^2/NDF : 1167223.2/24

Right Out: 92.694+/-0.017 χ^2/NDF : 5586046.9/32

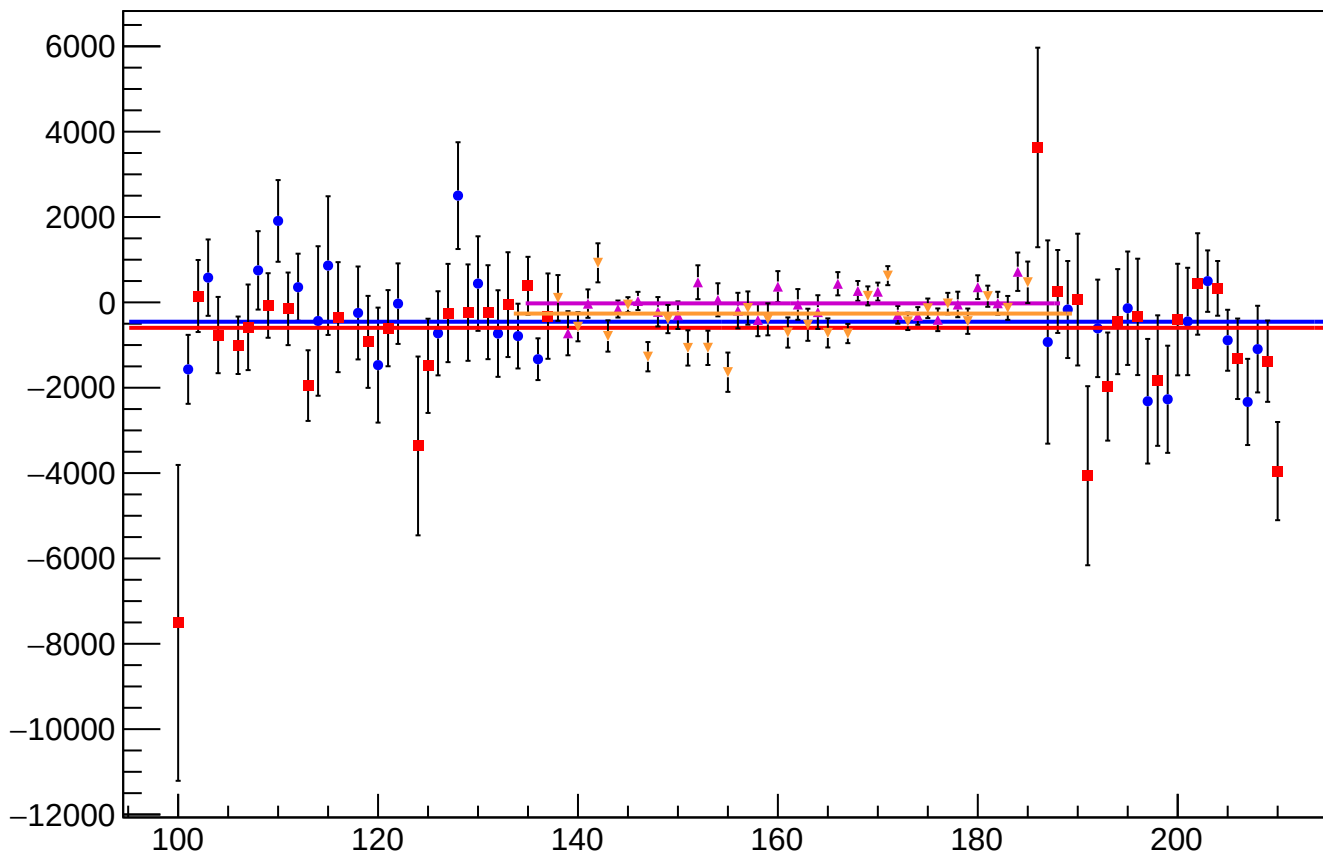
Left In: 52.314+/-0.009 χ^2/NDF : 891856.0/22

+ sign 59.916+/-0.008 χ^2/NDF : 8799968.8/51

All: 60.382+/-0.006 χ^2/NDF : 19671533.8/107

- sign 60.863+/-0.008 χ^2/NDF : 10864230.6/55

asym_sam_37_dd_eigen_dit_correction_mean vs Slug



Right In: -453.610 ± 185.278 χ^2/NDF : 33.2/26

Left Out: -262.582 ± 58.501 χ^2/NDF : 72.2/24

Right Out: -596.347 ± 178.631 χ^2/NDF : 34.8/32

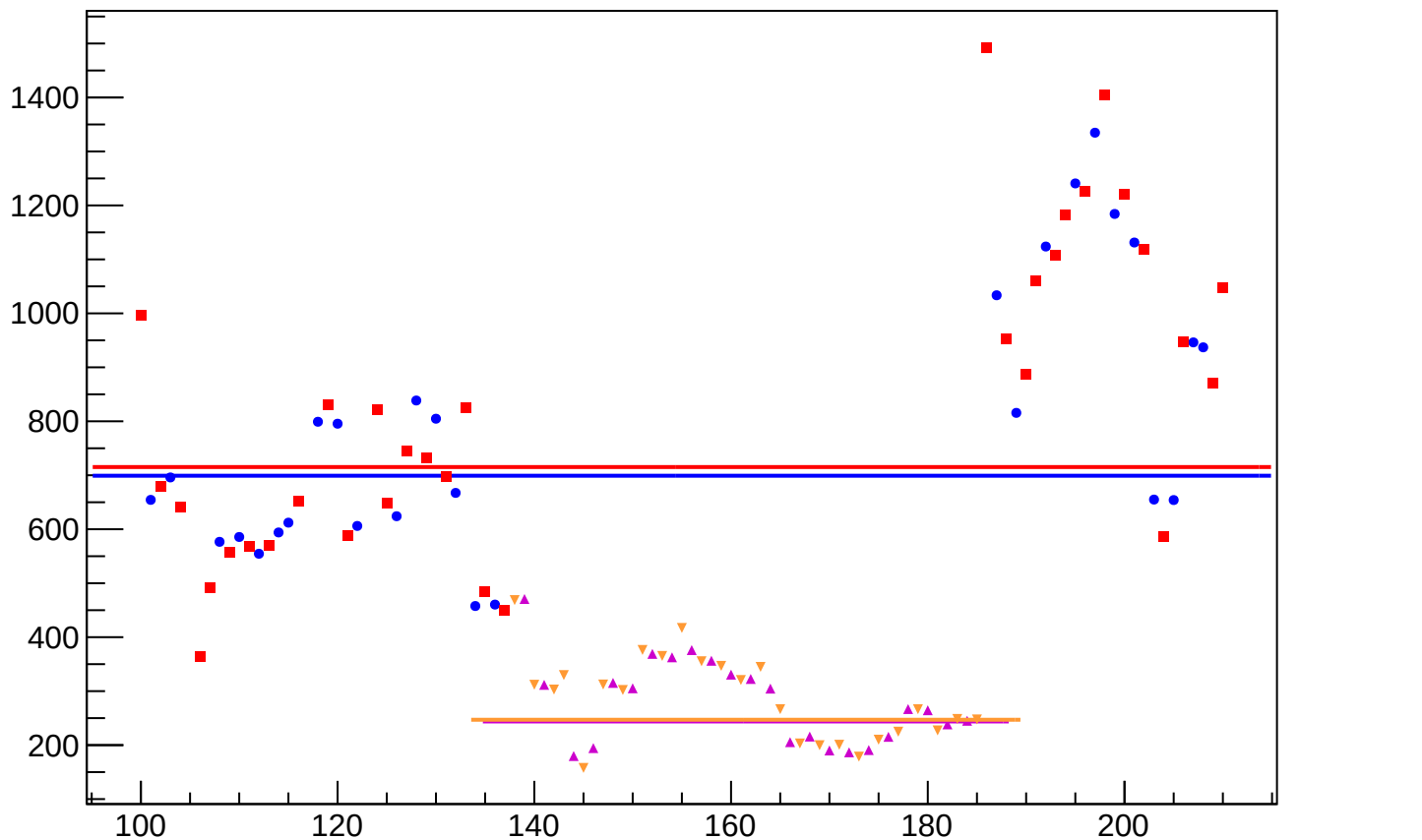
Left In: -23.469 ± 59.397 χ^2/NDF : 24.2/22

+ sign -279.900 ± 55.786 χ^2/NDF : 106.4/51

All: -181.226 ± 39.649 χ^2/NDF : 181.0/107

- sign -80.502 ± 56.362 χ^2/NDF : 68.2/55

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 699.138 ± 0.131 χ^2/NDF : 2760267.7/26

Left Out: 246.995 ± 0.041 χ^2/NDF : 2925680.1/24

Right Out: 715.250 ± 0.126 χ^2/NDF : 3895801.9/32

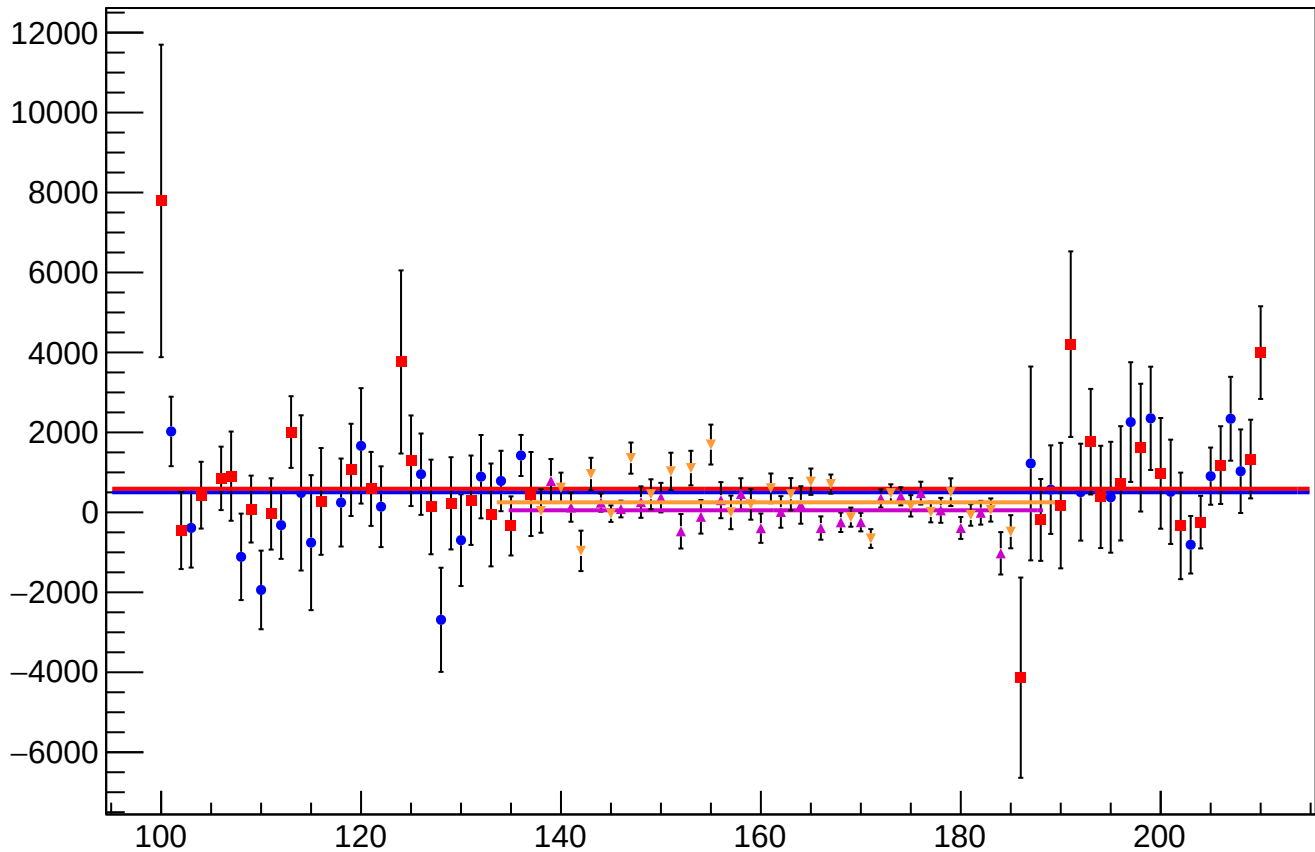
Left In: 243.825 ± 0.042 χ^2/NDF : 2490539.0/22

+ sign 287.985 ± 0.039 χ^2/NDF : 16516749.8/51

All: 289.357 ± 0.028 χ^2/NDF : 35448503.0/10

- sign 290.758 ± 0.040 χ^2/NDF : 18929308.3/55

asym_sam_37_dd_mean vs Slug



Right In: 502.247 $\pm$ 192.999 χ^2 /NDF: 35.9/26

Left Out: 251.109 $\pm$ 63.424 χ^2 /NDF: 67.5/24

Right Out: 591.143 $\pm$ 189.148 χ^2 /NDF: 32.5/32

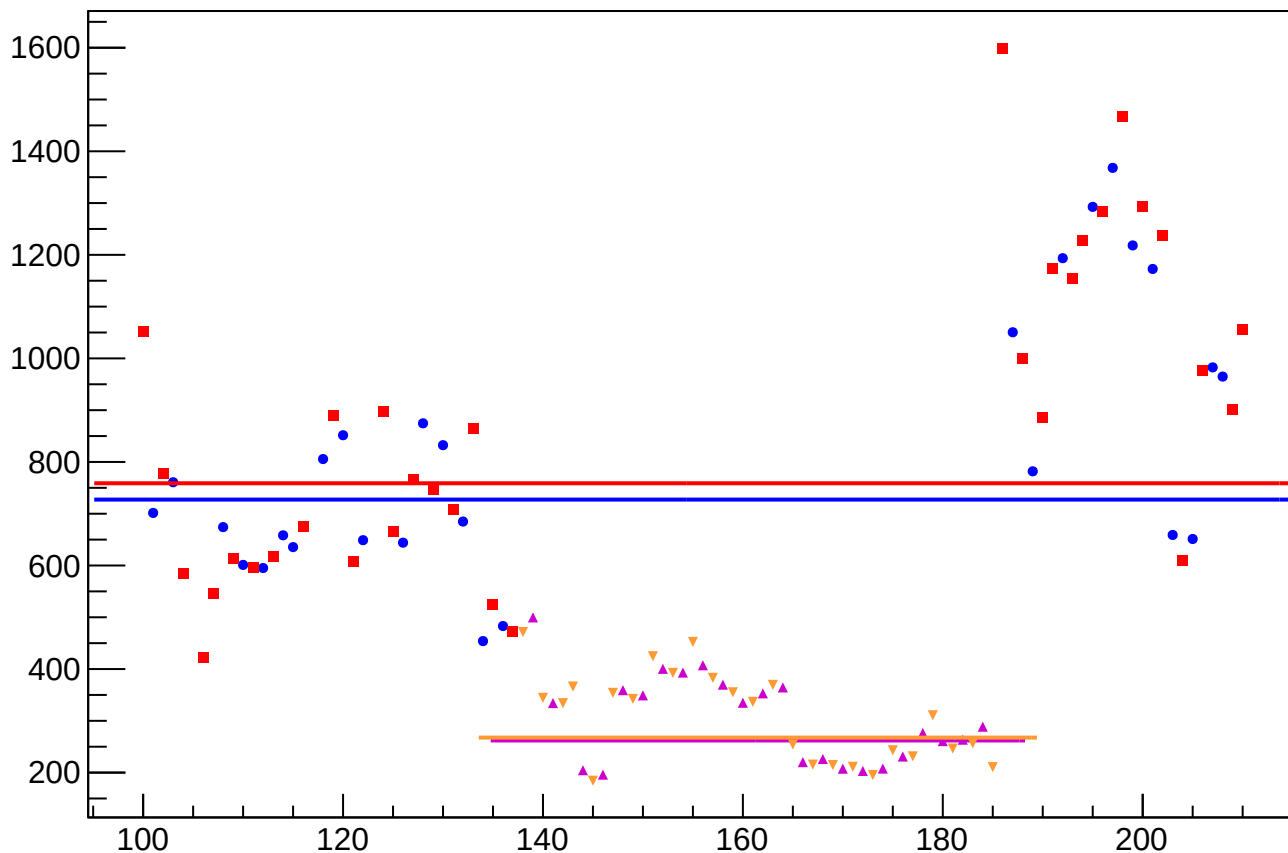
Left In: 51.707 $\pm$ 63.843 χ^2 /NDF: 26.8/22

+ sign 275.587 $\pm$ 60.254 χ^2 /NDF: 105.0/51

All: 191.563 $\pm$ 42.689 χ^2 /NDF: 175.5/107

- sign 106.878 $\pm$ 60.490 χ^2 /NDF: 66.6/55

asym_sam_37_dd_rms vs Slug



Right In: 727.308+/-0.136 χ^2/NDF : 2728721.1/26

Left Out: 267.589+/-0.045 χ^2/NDF : 2801460.2/24

Right Out: 758.832+/-0.134 χ^2/NDF : 3637846.1/32

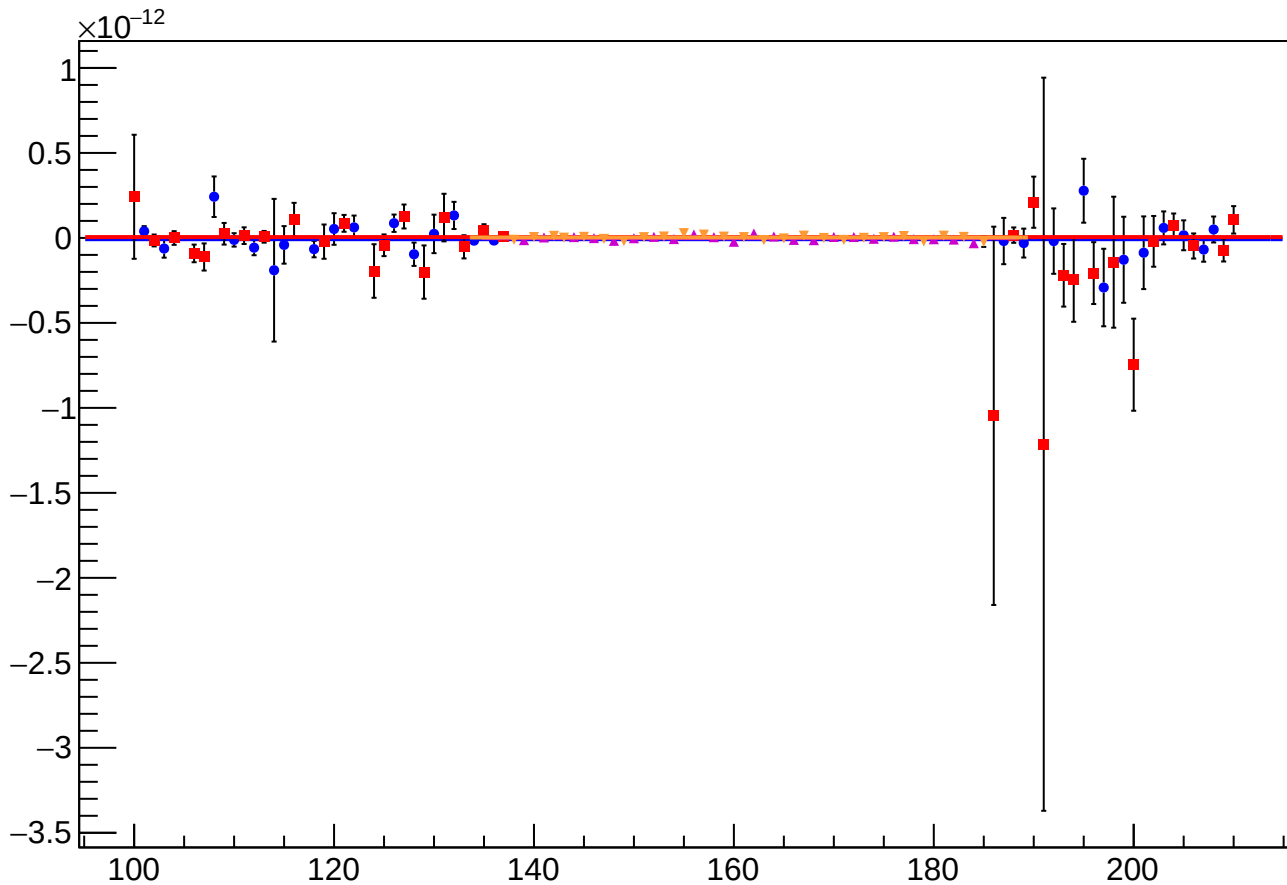
Left In: 262.092+/-0.045 χ^2/NDF : 2537465.8/22

+ sign 312.396+/-0.043 χ^2/NDF : 15771806.4/51

All: 312.645+/-0.030 χ^2/NDF : 34330227.1/10

- sign 312.896+/-0.043 χ^2/NDF : 18558352.2/55

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 27.1/26

Left Out: 0.000+/-0.000 χ^2/NDF : 15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 39.1/32

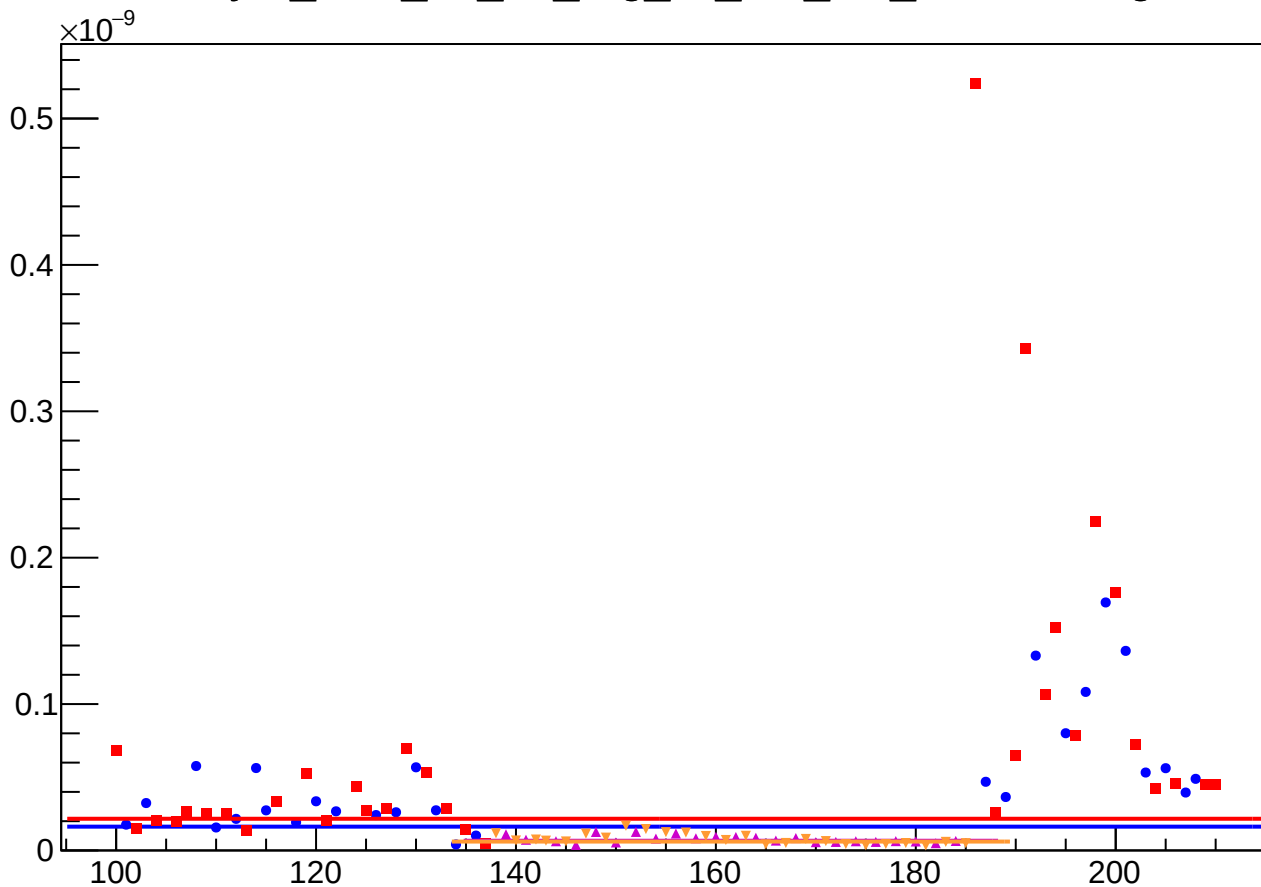
Left In: -0.000+/-0.000 χ^2/NDF : 12.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 43.4/51

All: 0.000+/-0.000 χ^2/NDF : 95.8/107

- sign -0.000+/-0.000 χ^2/NDF : 51.7/55

asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6455880.3/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2413933.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5976329.1/32

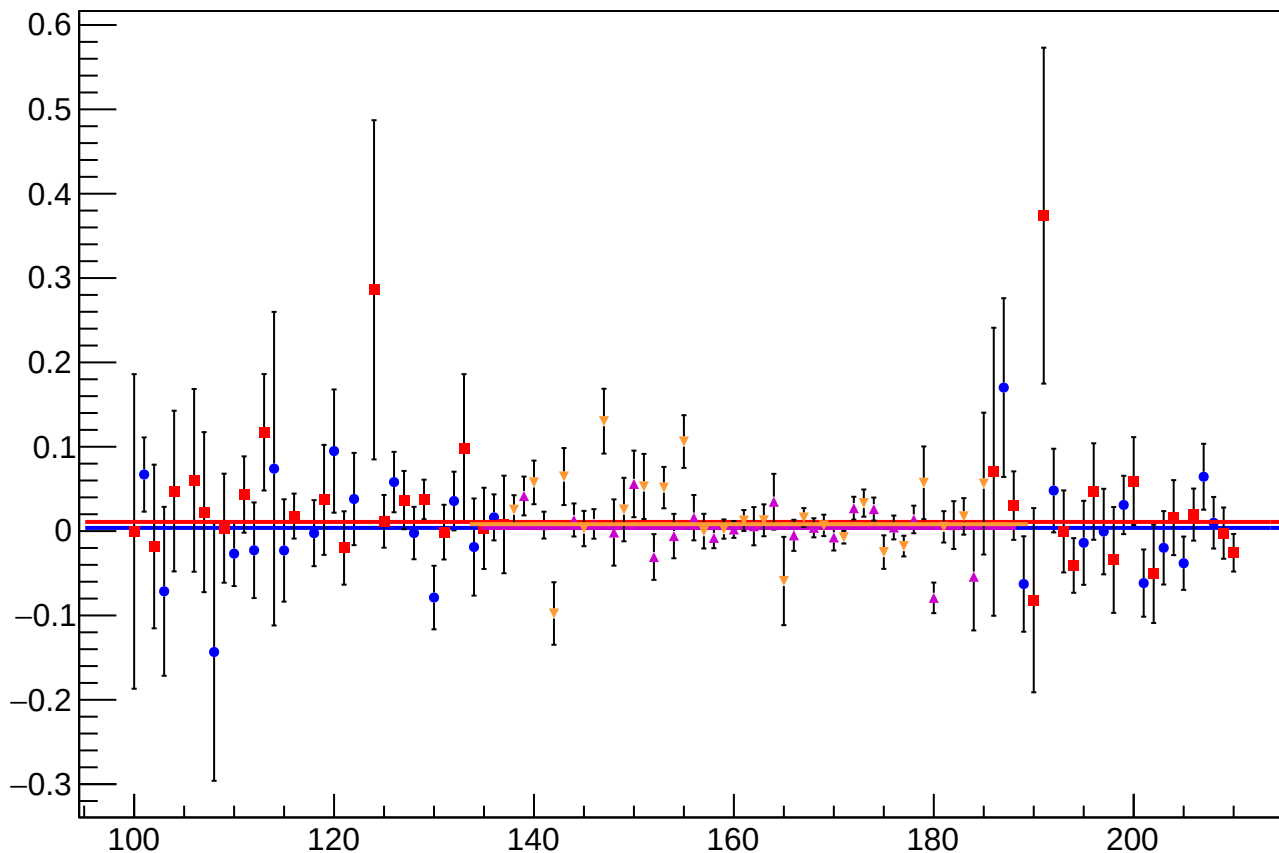
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1176996.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11246590.3/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 22284531.4/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10945078.3/55

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.008 χ^2/NDF : 27.7/26

Left Out: 0.008 ± 0.003 χ^2/NDF : 58.8/24

Right Out: 0.011 ± 0.008 χ^2/NDF : 21.8/32

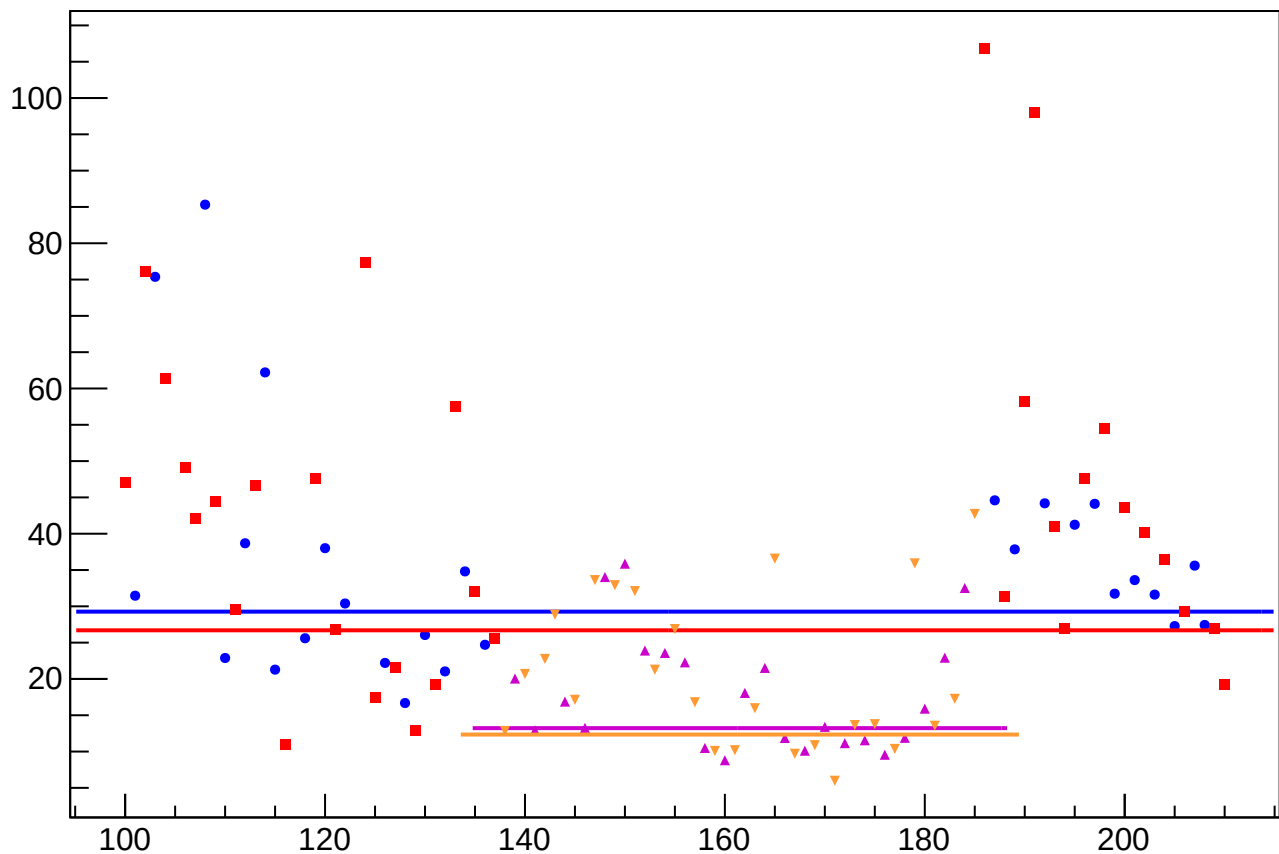
Left In: 0.004 ± 0.004 χ^2/NDF : 37.2/22

+ sign 0.008 ± 0.003 χ^2/NDF : 86.7/51

All: 0.006 ± 0.002 χ^2/NDF : 146.8/107

- sign 0.005 ± 0.003 χ^2/NDF : 59.7/55

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.269 $\pm$ 0.006 χ^2 /NDF: 2223827.9/26

Left Out: 12.343 $\pm$ 0.002 χ^2 /NDF: 6743594.0/24

Right Out: 26.698 $\pm$ 0.005 χ^2 /NDF: 5965512.4/32

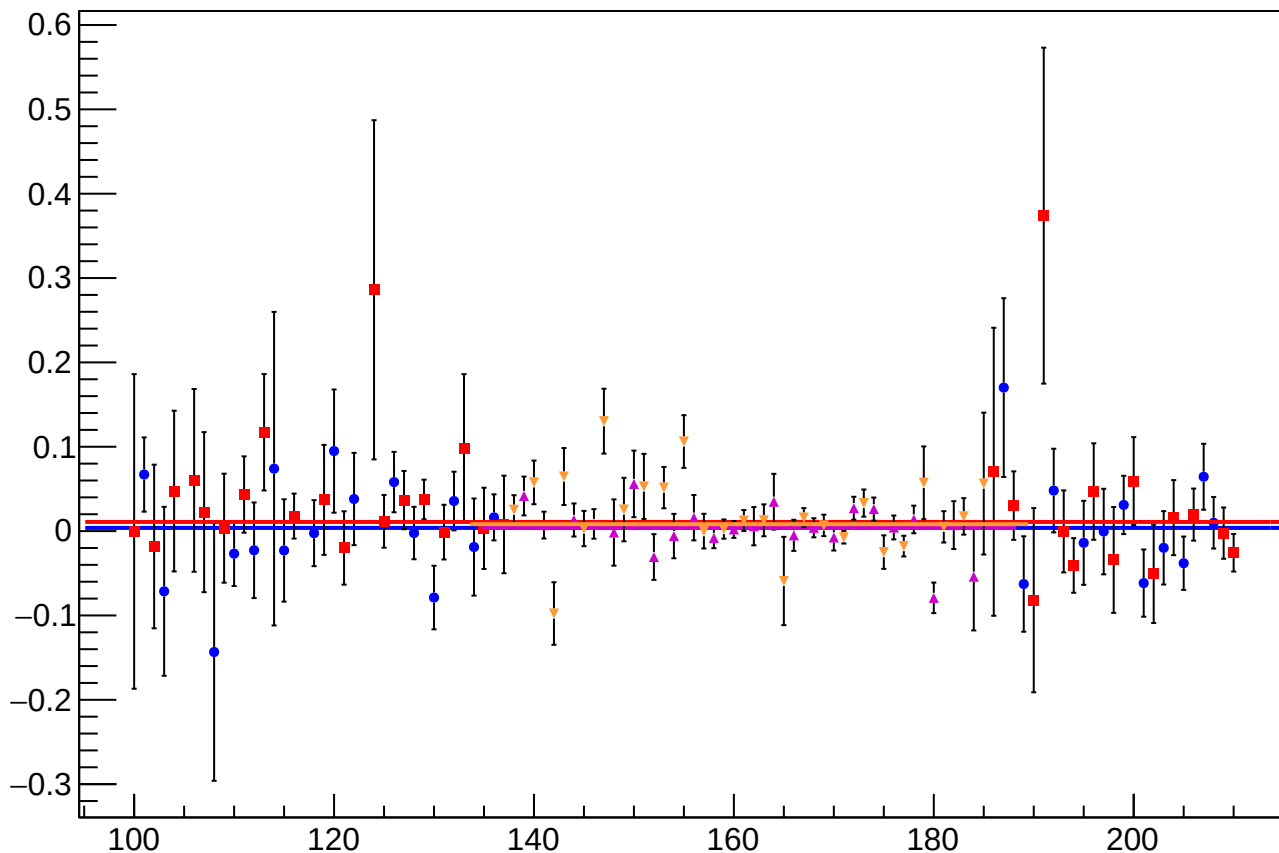
Left In: 13.225 $\pm$ 0.003 χ^2 /NDF: 3870352.4/22

+ sign 14.830 $\pm$ 0.002 χ^2 /NDF: 16024697.2/51

All: 15.254 $\pm$ 0.002 χ^2 /NDF: 30989509.7/107

- sign 15.702 $\pm$ 0.002 χ^2 /NDF: 14892157.3/55

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.008 χ^2 /NDF: 27.7/26

Left Out: 0.008 $\pm$ 0.003 χ^2 /NDF: 58.8/24

Right Out: 0.011 $\pm$ 0.008 χ^2 /NDF: 21.8/32

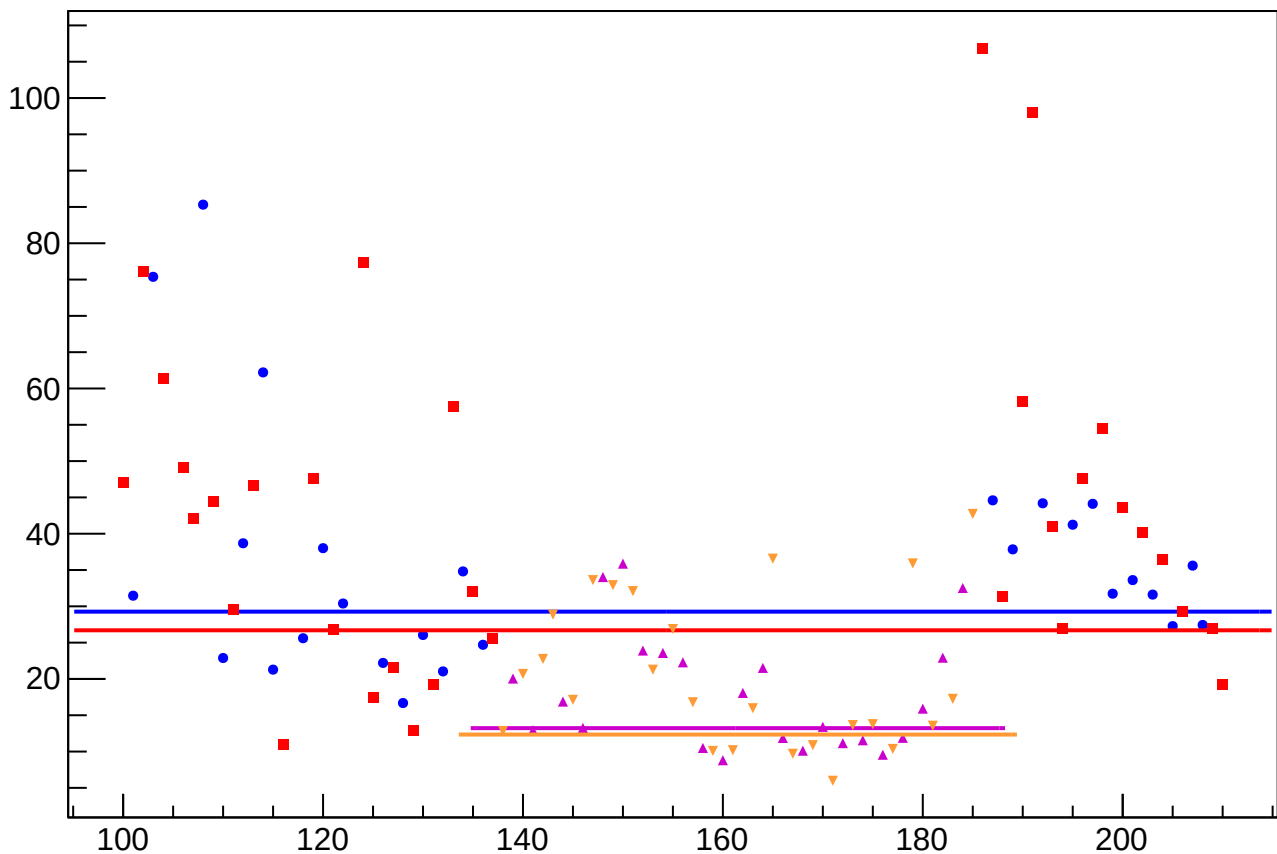
Left In: 0.004 $\pm$ 0.004 χ^2 /NDF: 37.2/22

+ sign 0.008 $\pm$ 0.003 χ^2 /NDF: 86.7/51

All: 0.006 $\pm$ 0.002 χ^2 /NDF: 146.8/107

- sign 0.005 $\pm$ 0.003 χ^2 /NDF: 59.7/55

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.269 $\pm$ 0.006 χ^2 /NDF: 2223827.9/26

Left Out: 12.343 $\pm$ 0.002 χ^2 /NDF: 6743594.0/24

Right Out: 26.698 $\pm$ 0.005 χ^2 /NDF: 5965512.4/32

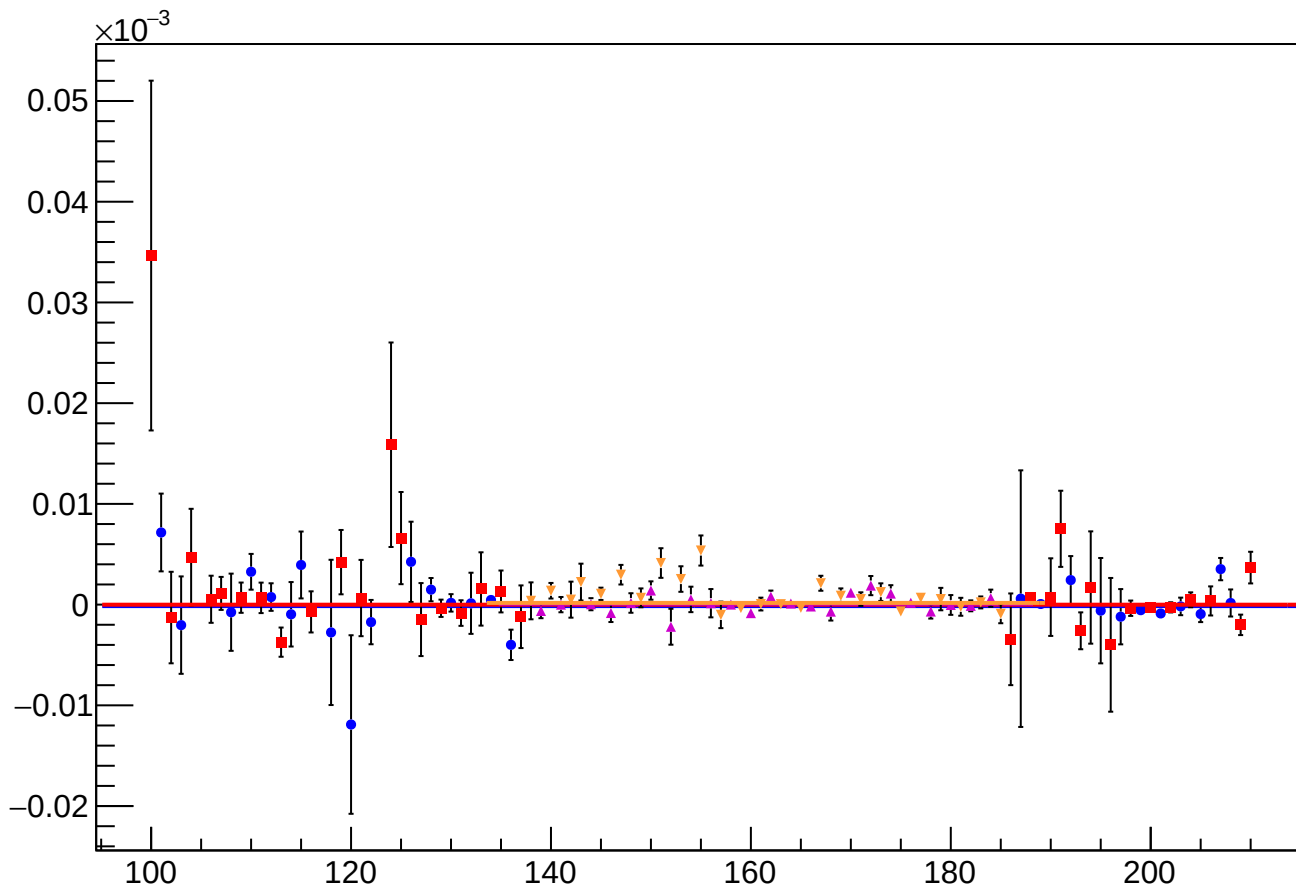
Left In: 13.225 $\pm$ 0.003 χ^2 /NDF: 3870352.4/22

+ sign 14.830 $\pm$ 0.002 χ^2 /NDF: 16024697.2/51

All: 15.254 $\pm$ 0.002 χ^2 /NDF: 30989509.7/107

- sign 15.702 $\pm$ 0.002 χ^2 /NDF: 14892157.3/55

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:61.5/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 40.7/32

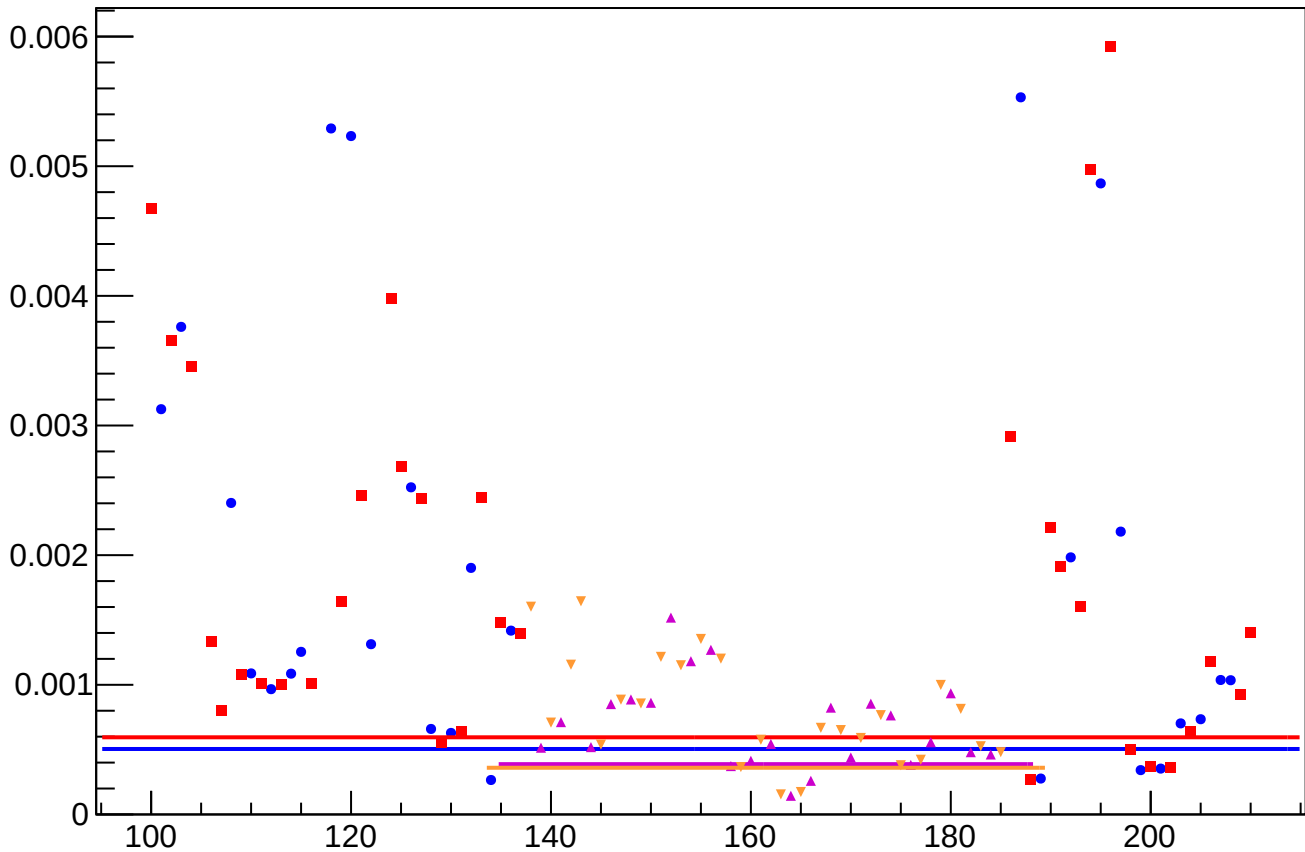
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:24.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 105.5/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 170.9/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 65.3/55

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 12334851.7/26

Left Out: 0.000+/-0.000 χ^2/NDF : 14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF : 12821650.1/32

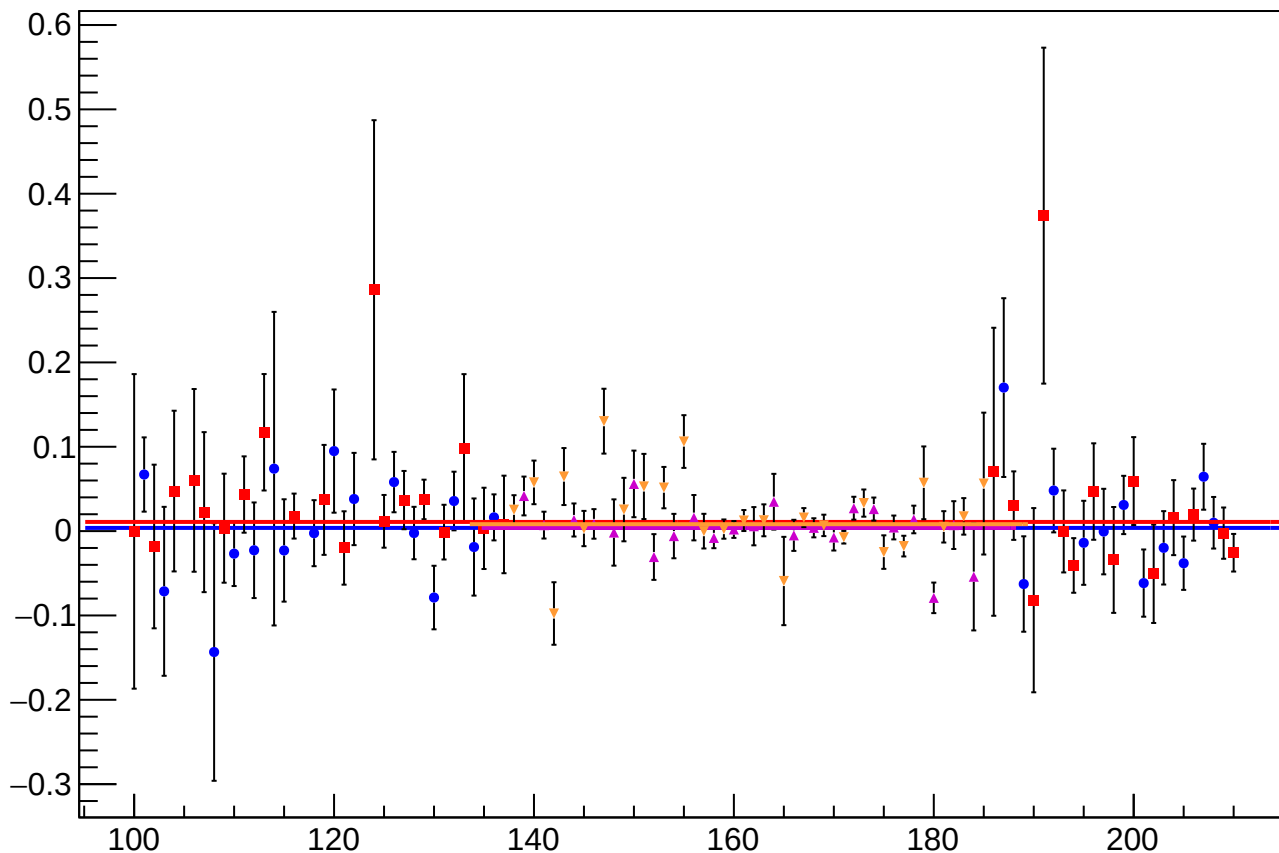
Left In: 0.000+/-0.000 χ^2/NDF : 10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 27342043.4/51

All: 0.000+/-0.000 χ^2/NDF : 52484725.8/107

- sign 0.000+/-0.000 χ^2/NDF : 24950080.6/55

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.008 χ^2 /NDF: 27.7/26

Left Out: 0.008 $\pm$ 0.003 χ^2 /NDF: 58.8/24

Right Out: 0.011 $\pm$ 0.008 χ^2 /NDF: 21.8/32

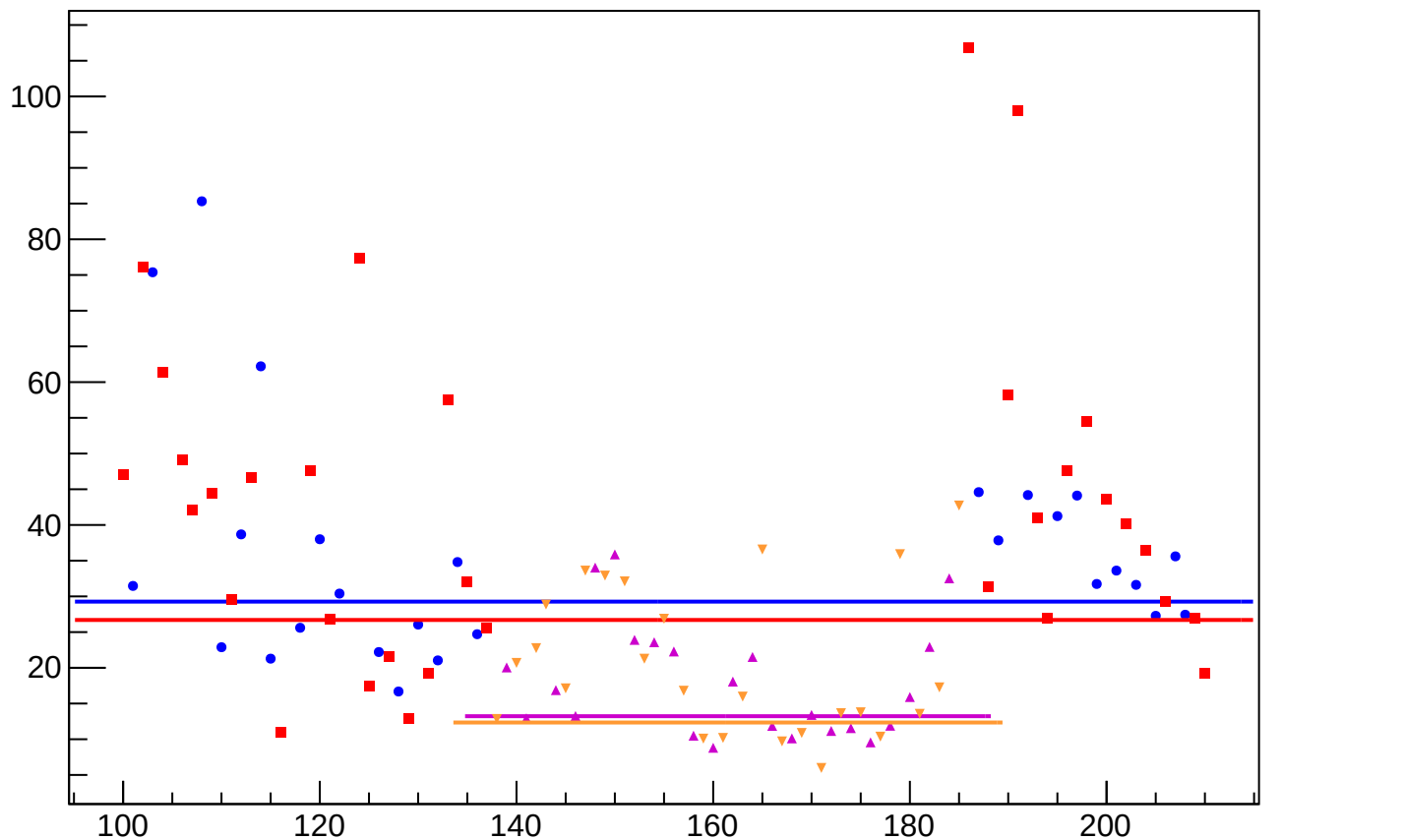
Left In: 0.004 $\pm$ 0.004 χ^2 /NDF: 37.2/22

+ sign 0.008 $\pm$ 0.003 χ^2 /NDF: 86.7/51

All: 0.006 $\pm$ 0.002 χ^2 /NDF: 146.8/107

- sign 0.005 $\pm$ 0.003 χ^2 /NDF: 59.7/55

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.270 $\pm$ 0.006 χ^2/NDF : 2223748.9/26

Left Out: 12.343 $\pm$ 0.002 χ^2/NDF : 6743823.4/24

Right Out: 26.699 $\pm$ 0.005 χ^2/NDF : 5965213.4/32

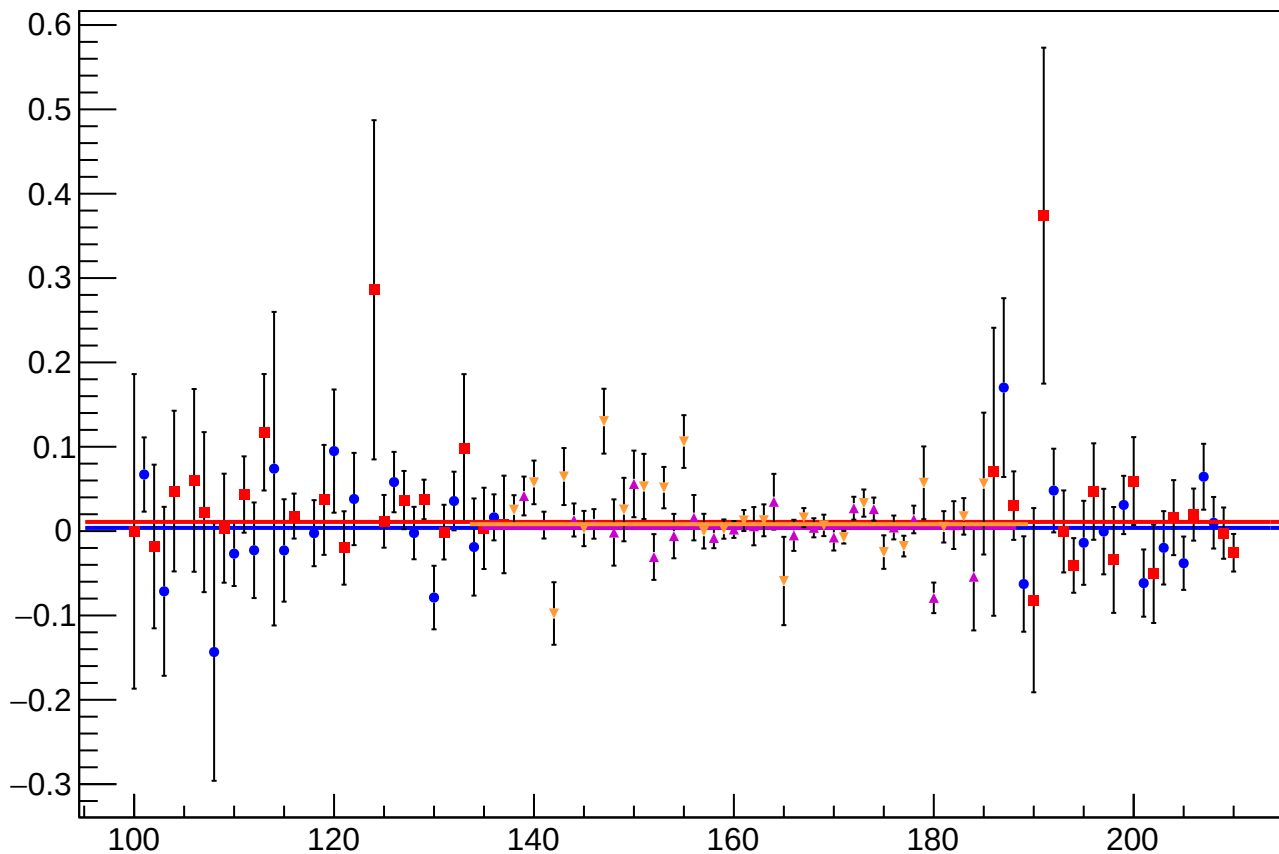
Left In: 13.225 $\pm$ 0.003 χ^2/NDF : 3870507.9/22

+ sign 14.830 $\pm$ 0.002 χ^2/NDF : 16024935.2/51

All: 15.254 $\pm$ 0.002 χ^2/NDF : 30989815.9/107

- sign 15.703 $\pm$ 0.002 χ^2/NDF : 14892229.4/55

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.008 χ^2 /NDF: 27.7/26

Left Out: 0.008 $\pm$ 0.003 χ^2 /NDF: 58.8/24

Right Out: 0.011 $\pm$ 0.008 χ^2 /NDF: 21.8/32

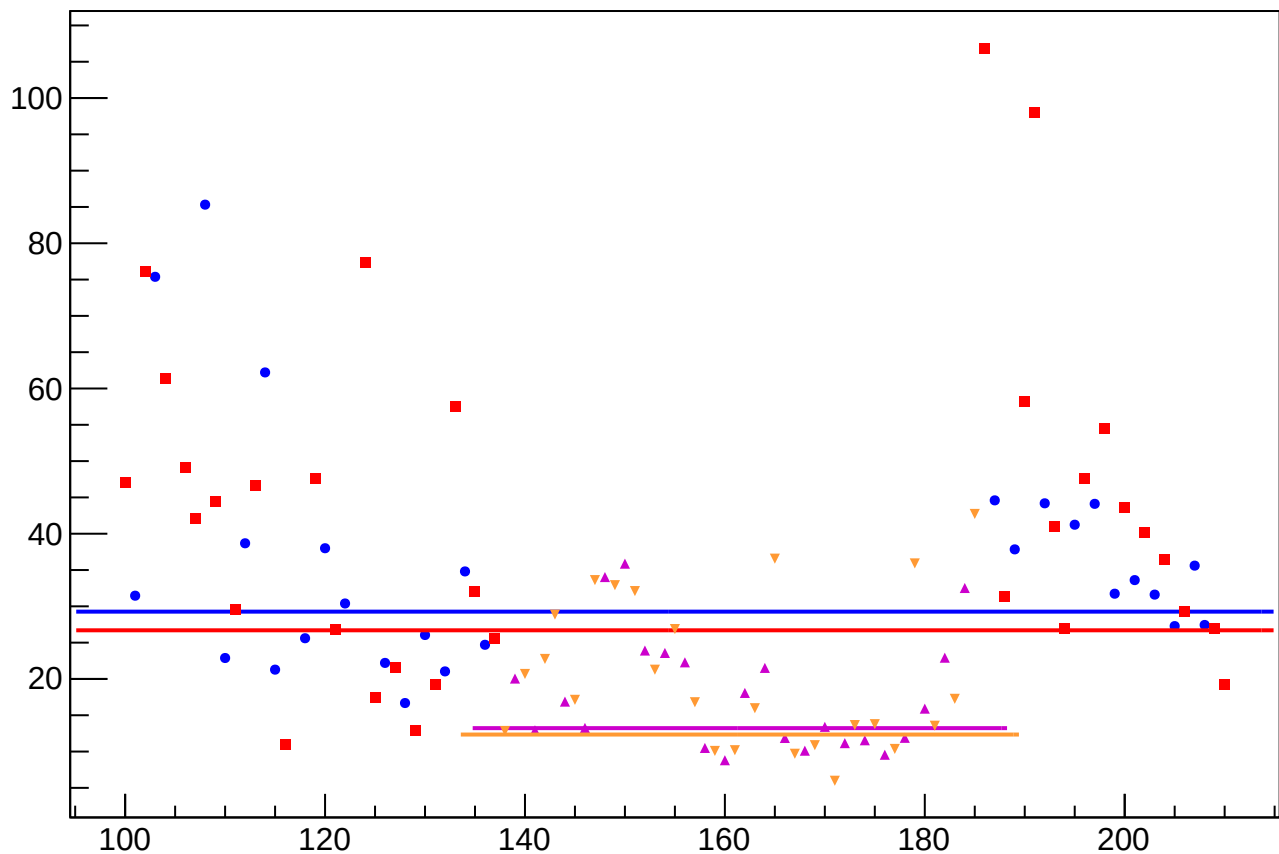
Left In: 0.004 $\pm$ 0.004 χ^2 /NDF: 37.2/22

+ sign 0.008 $\pm$ 0.003 χ^2 /NDF: 86.7/51

All: 0.006 $\pm$ 0.002 χ^2 /NDF: 146.8/107

- sign 0.005 $\pm$ 0.003 χ^2 /NDF: 59.7/55

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.270 $\pm$ 0.006 χ^2 /NDF: 2223748.9/26

Left Out: 12.343 $\pm$ 0.002 χ^2 /NDF: 6743823.4/24

Right Out: 26.699 $\pm$ 0.005 χ^2 /NDF: 5965213.4/32

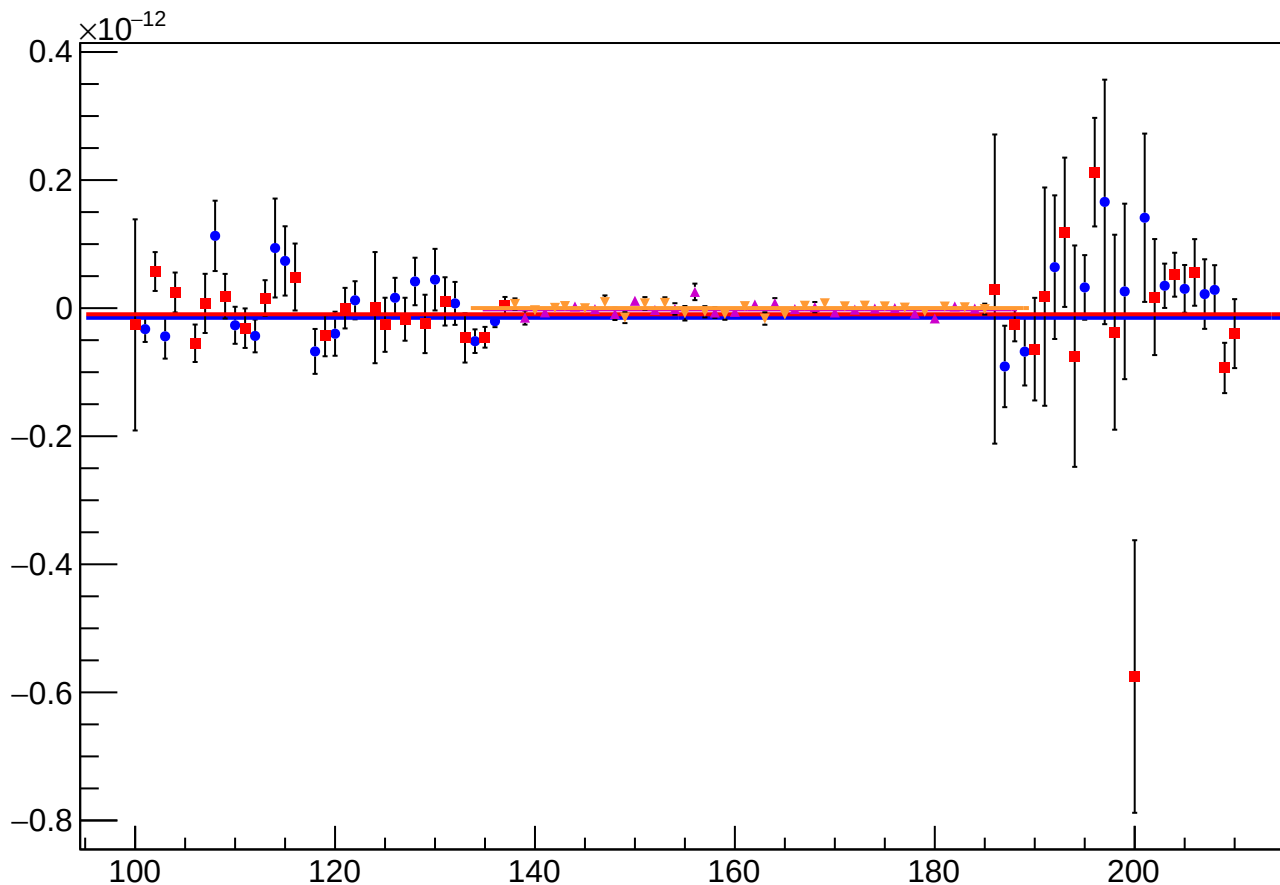
Left In: 13.225 $\pm$ 0.003 χ^2 /NDF: 3870507.9/22

+ sign 14.830 $\pm$ 0.002 χ^2 /NDF: 16024935.2/51

All: 15.254 $\pm$ 0.002 χ^2 /NDF: 30989815.9/107

- sign 15.703 $\pm$ 0.002 χ^2 /NDF: 14892229.4/55

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:21.5/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 46.4/32

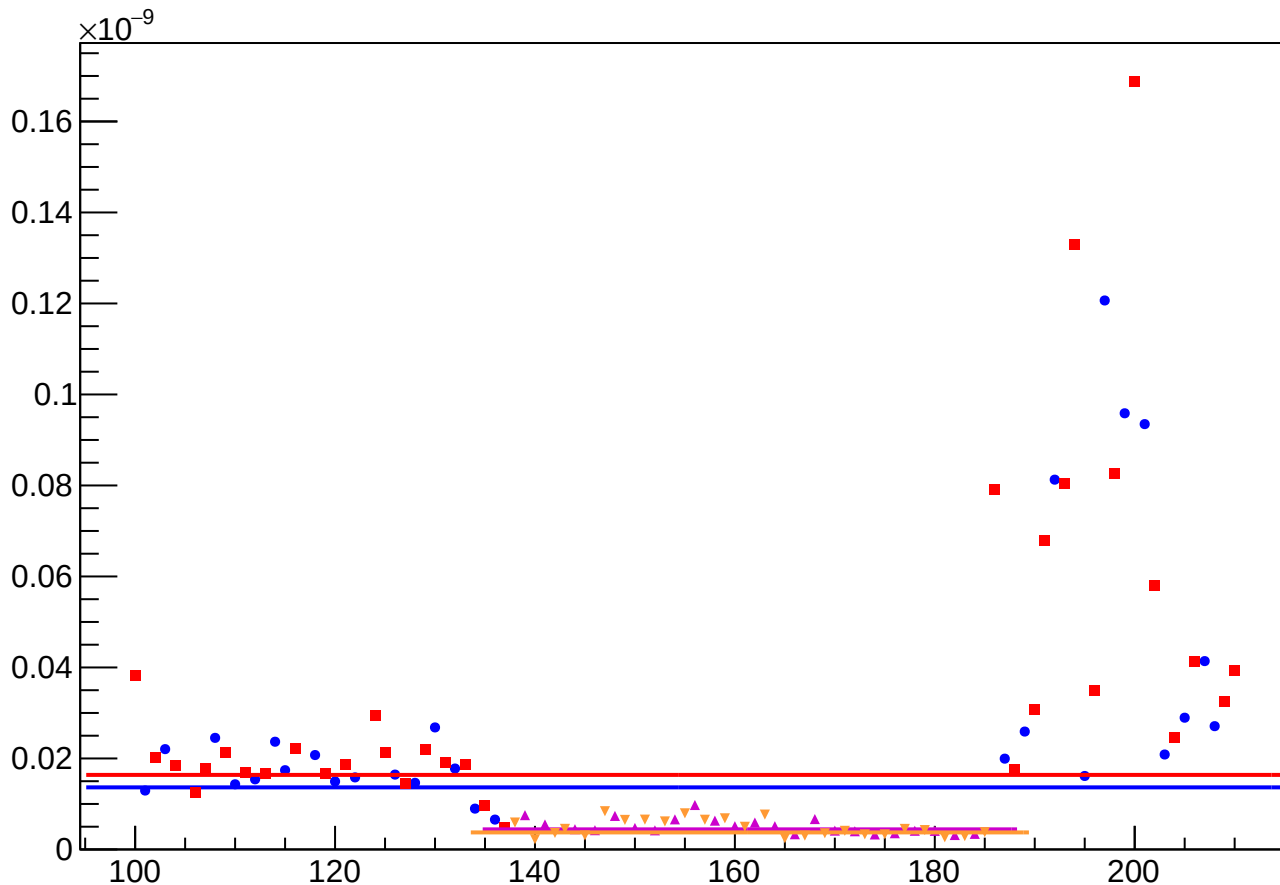
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:25.4/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 66.1/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 140.4/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 73.2/55

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 5993144.9/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3083424.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 7144266.1/32

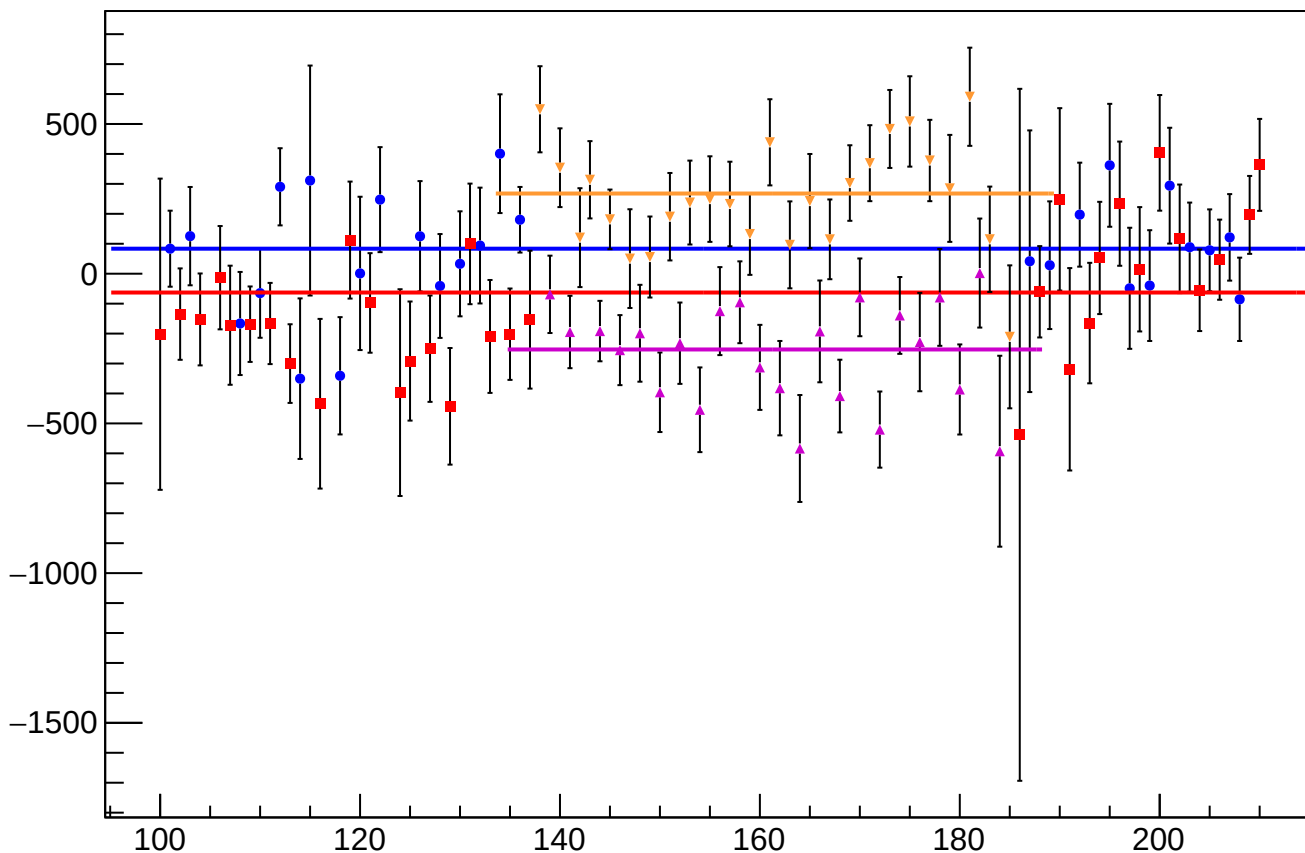
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1736522.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 14959394.4/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 31428819.7/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 16046083.5/55

reg_asym_sam_48_dd_mean vs Slug



Right In: 83.536 ± 32.861 χ^2/NDF : 24.3/26

Left Out: 267.782 ± 28.407 χ^2/NDF : 31.0/24

Right Out: -62.870 ± 31.071 χ^2/NDF : 41.3/32

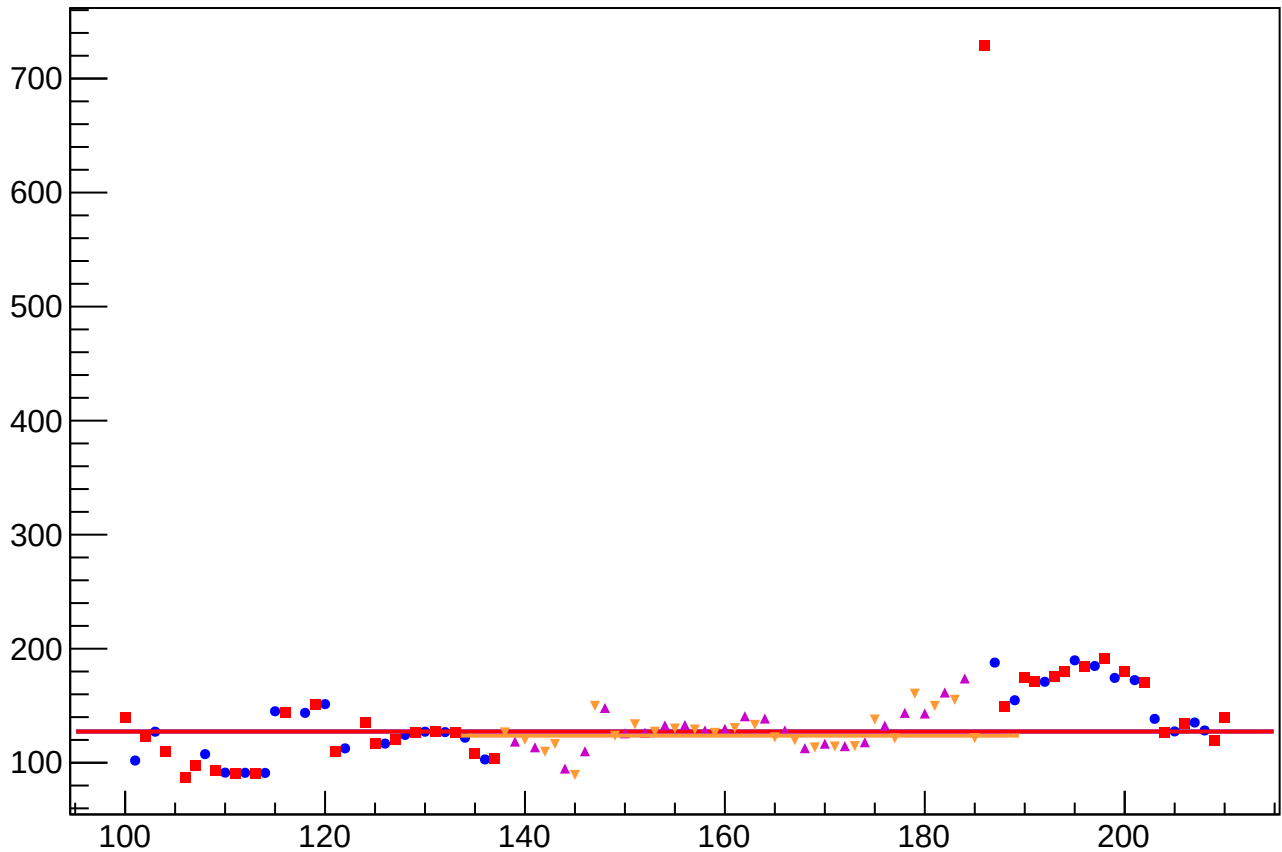
Left In: -253.048 ± 29.313 χ^2/NDF : 26.2/22

+ sign 188.982 ± 21.491 χ^2/NDF : 73.3/51

All: 11.356 ± 15.136 χ^2/NDF : 296.2/107

- sign -163.491 ± 21.322 χ^2/NDF : 87.3/55

reg_asym_sam_48_dd_rms vs Slug



Right In: 127.401 $\pm$ 0.023 χ^2 /NDF: 1376220.5/26

Left Out: 123.807 $\pm$ 0.020 χ^2 /NDF: 598444.2/24

Right Out: 127.355 $\pm$ 0.022 χ^2 /NDF: 2331196.8/32

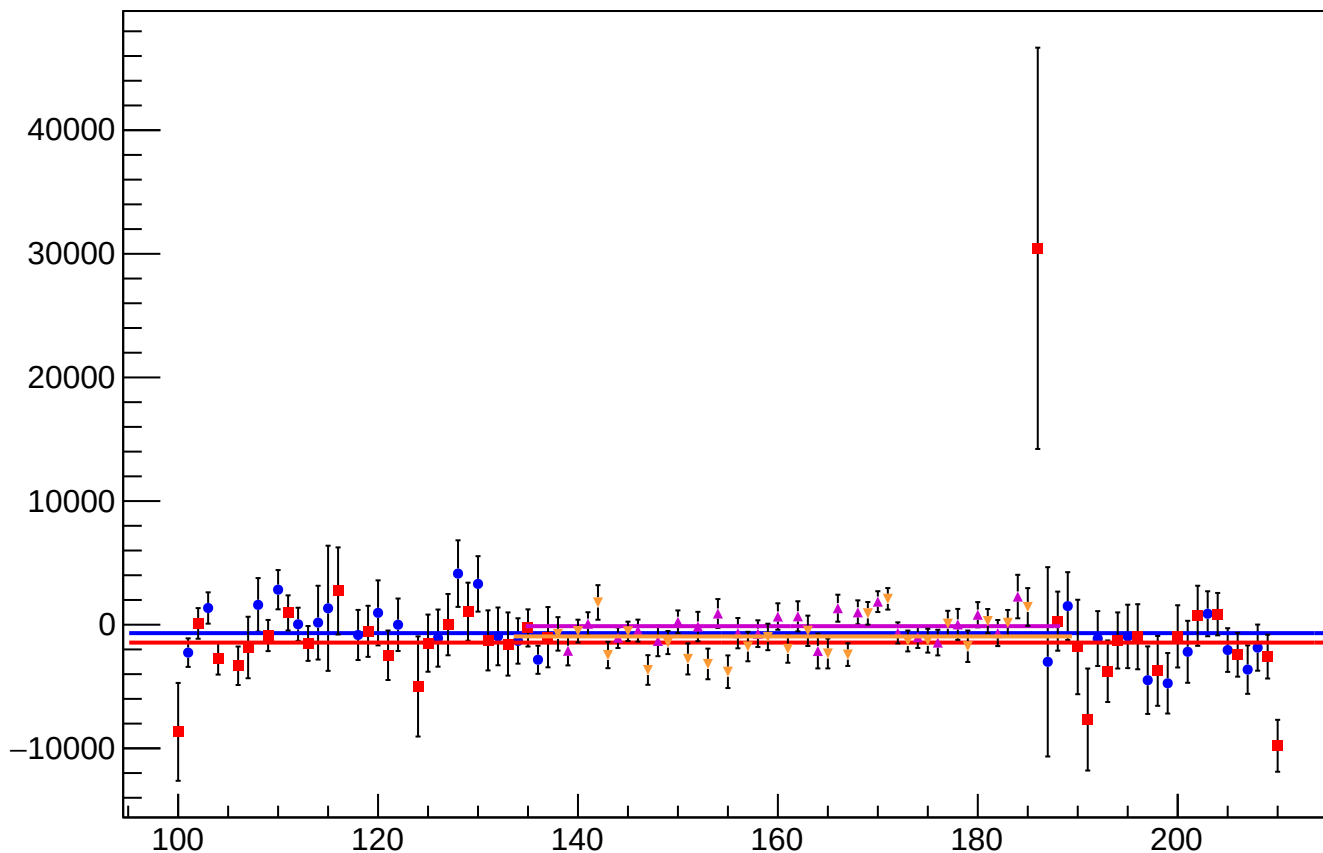
Left In: 124.259 $\pm$ 0.021 χ^2 /NDF: 557214.9/22

+ sign 125.344 $\pm$ 0.015 χ^2 /NDF: 1988353.6/51

All: 125.532 $\pm$ 0.011 χ^2 /NDF: 4887578.8/107

- sign 125.717 $\pm$ 0.015 χ^2 /NDF: 2898922.1/55

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -682.107 ± 372.479 χ^2/NDF : 31.4/26

Left Out: -947.720 ± 211.794 χ^2/NDF : 50.3/24

Right Out: -1447.261 ± 352.489 χ^2/NDF : 42.5/32

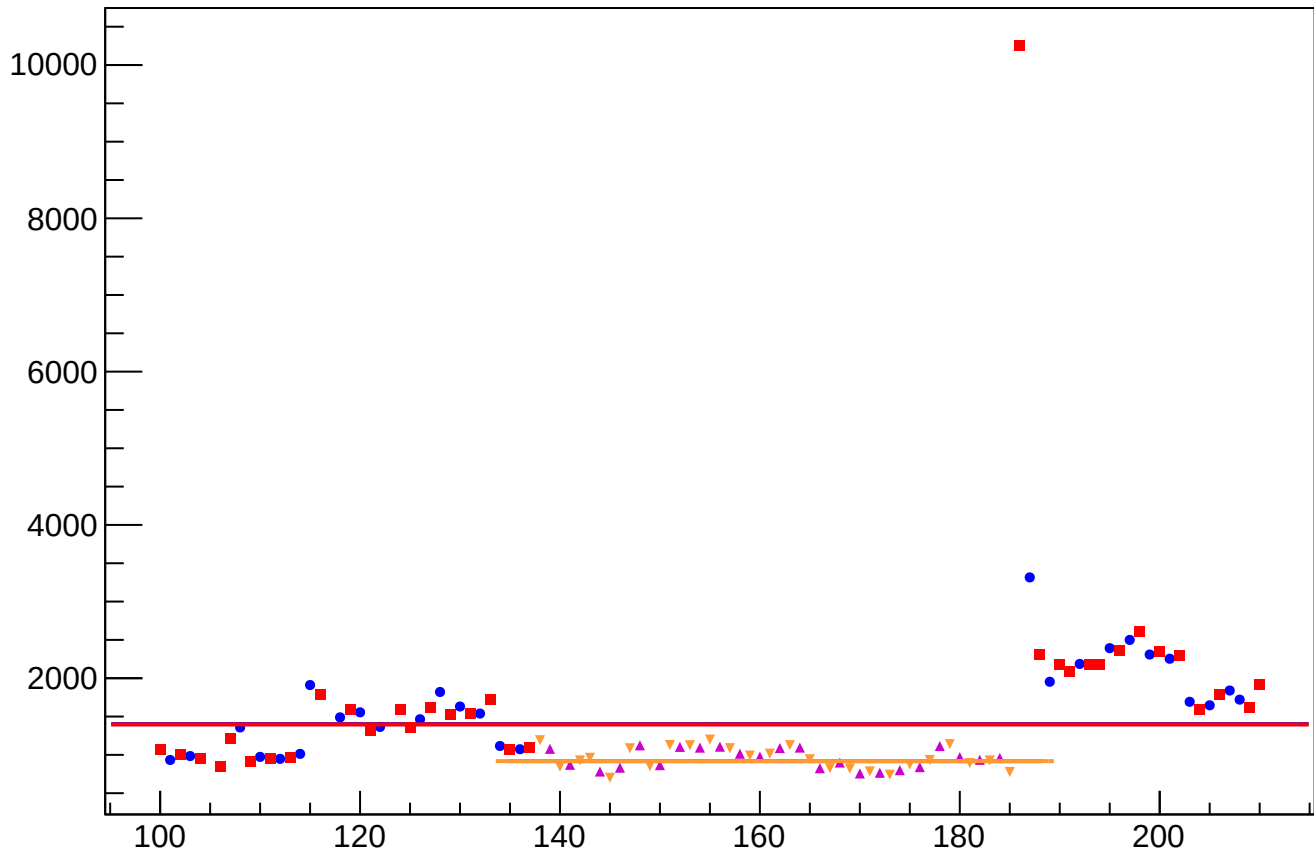
Left In: -118.433 ± 217.165 χ^2/NDF : 24.4/22

+ sign -882.826 ± 184.112 χ^2/NDF : 82.0/51

All: -684.277 ± 130.462 χ^2/NDF : 161.6/107

- sign -484.041 ± 184.892 χ^2/NDF : 77.2/55

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1400.731+/-0.263 χ^2/NDF : 3109294.0/26

Left Out: 918.501+/-0.150 χ^2/NDF : 887820.0/24

Right Out: 1397.042+/-0.249 χ^2/NDF : 4565002.0/32

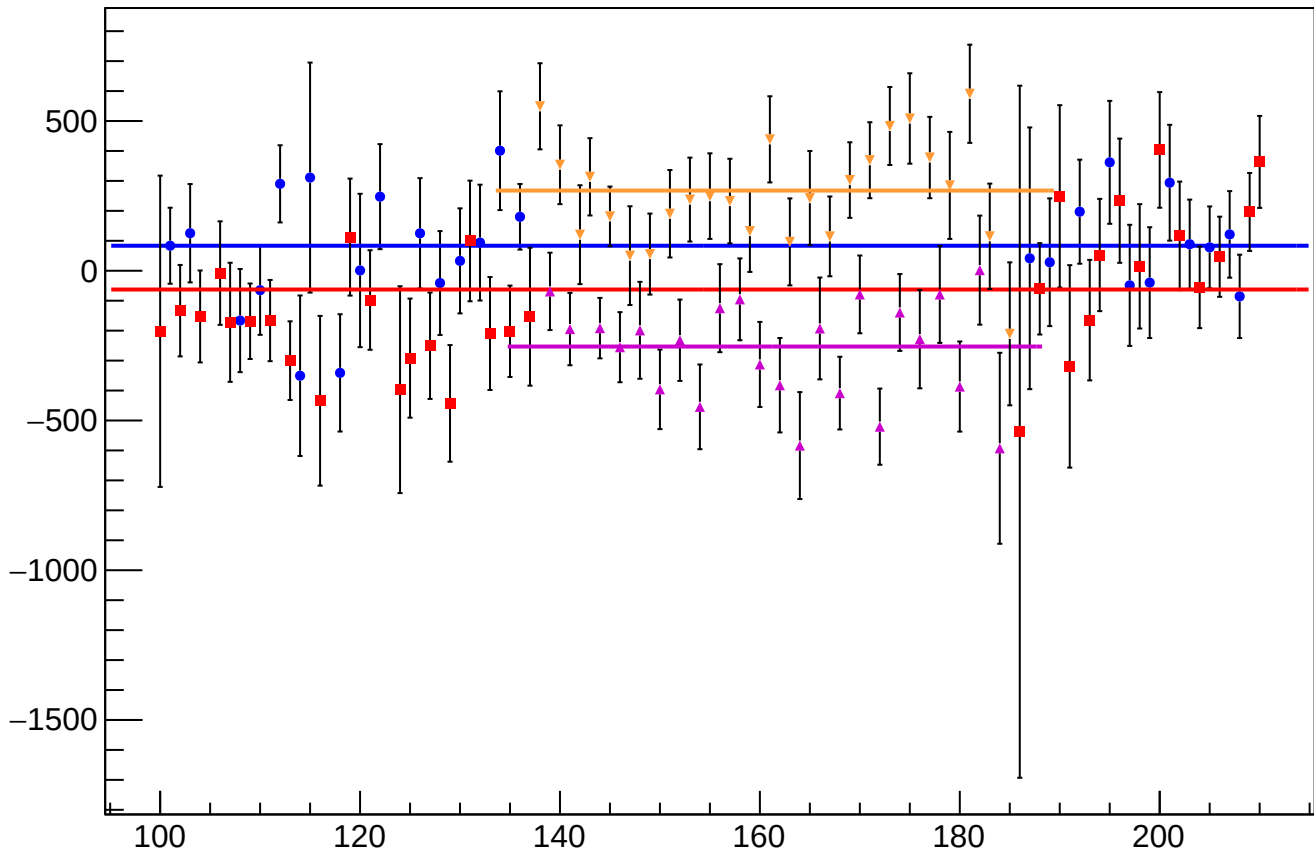
Left In: 918.214+/-0.154 χ^2/NDF : 666262.3/22

+ sign 1036.320+/-0.130 χ^2/NDF : 6530324.3/51

All: 1043.109+/-0.092 χ^2/NDF : 14442240.5/100

- sign 1049.957+/-0.131 χ^2/NDF : 7906453.1/55

cor_asym_sam_48_dd_mean vs Slug



Right In: 83.528 ± 32.861 χ^2/NDF : 24.3/26

Left Out: 267.791 ± 28.407 χ^2/NDF : 31.0/24

Right Out: -62.630 ± 31.074 χ^2/NDF : 41.4/32

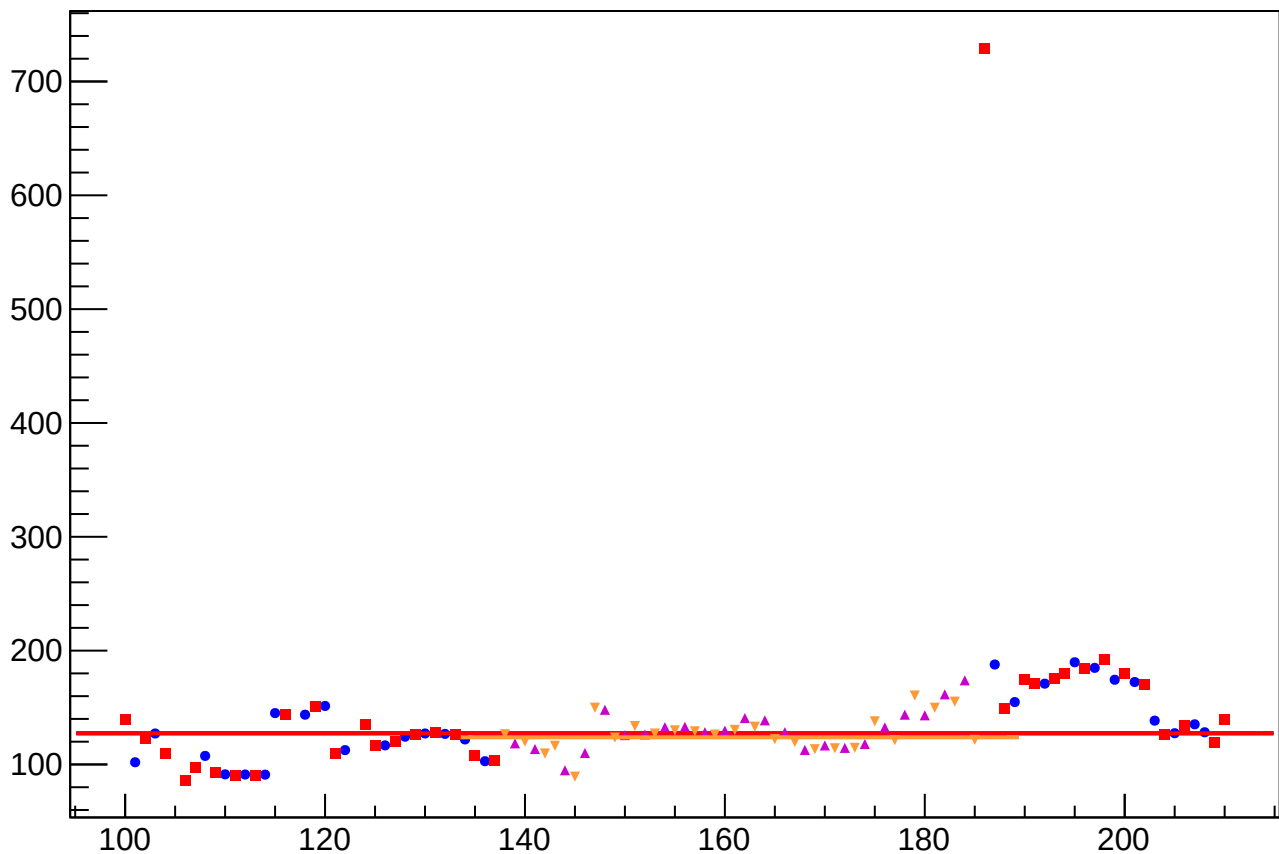
Left In: -253.051 ± 29.313 χ^2/NDF : 26.2/22

+ sign 188.984 ± 21.491 χ^2/NDF : 73.3/51

All: 11.416 ± 15.136 χ^2/NDF : 296.2/107

- sign -163.388 ± 21.323 χ^2/NDF : 87.4/55

cor_asym_sam_48_dd_rms vs Slug



Right In: 127.401 ± 0.023 χ^2/NDF : 1376220.5/26

Left Out: 123.807 ± 0.020 χ^2/NDF : 598444.2/24

Right Out: 127.326 ± 0.022 χ^2/NDF : 2337028.4/32

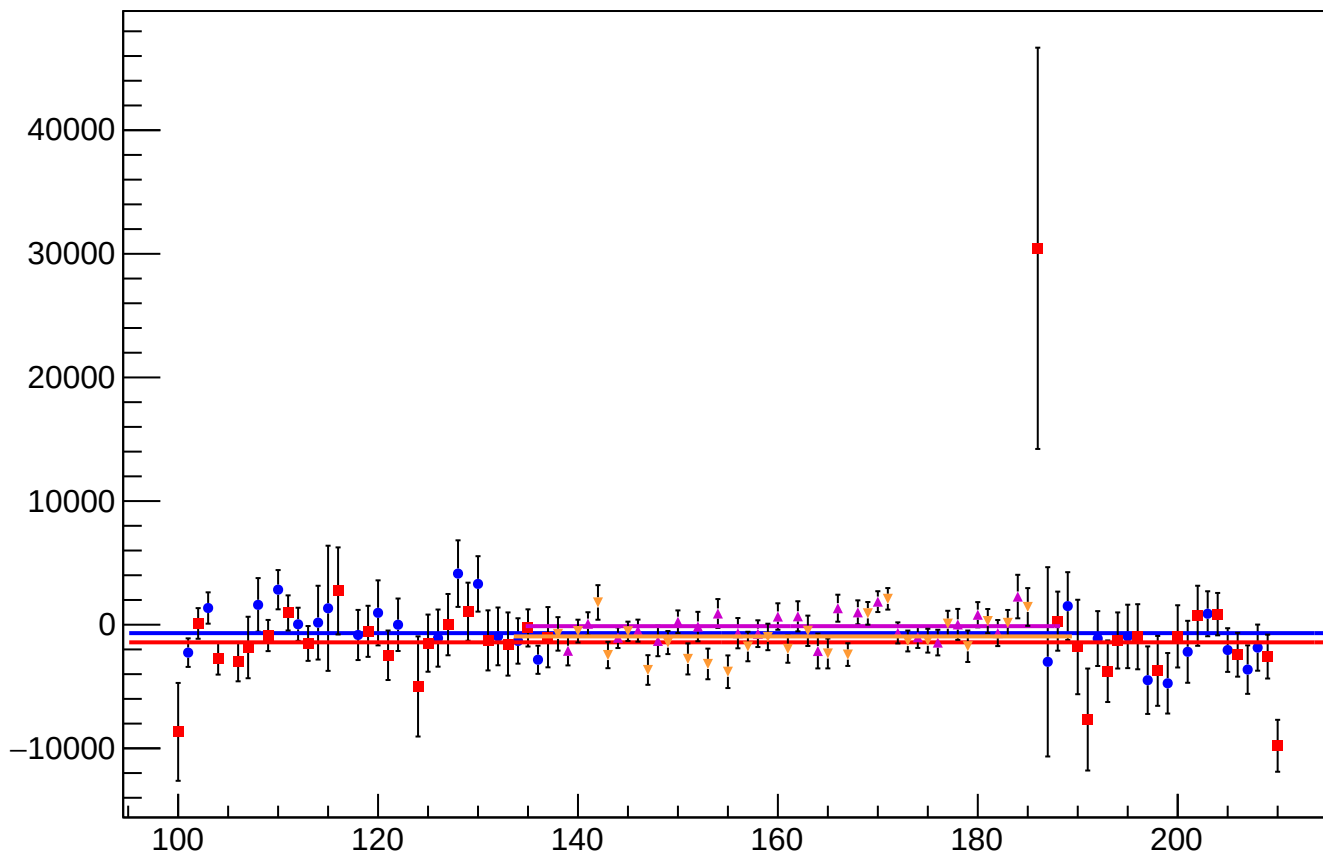
Left In: 124.259 ± 0.021 χ^2/NDF : 557214.9/22

+ sign 125.344 ± 0.015 χ^2/NDF : 1988353.8/51

All: 125.525 ± 0.011 χ^2/NDF : 4893185.1/107

- sign 125.703 ± 0.015 χ^2/NDF : 2904550.8/55

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -682.173+/-372.481 χ^2/NDF : 31.4/26

Left Out: -947.709+/-211.794 χ^2/NDF : 50.3/24

Right Out: -1426.736+/-352.914 χ^2/NDF : 42.0/32

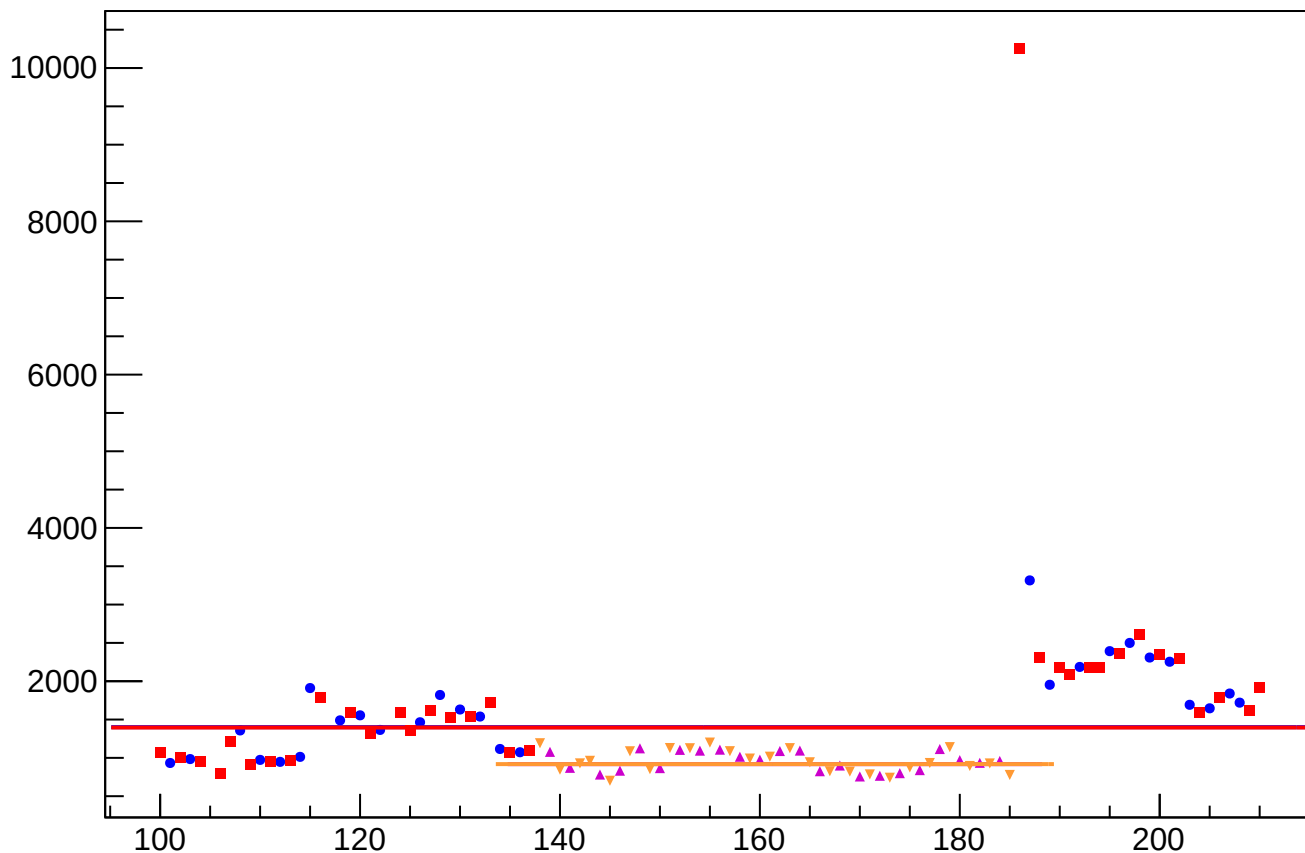
Left In: -118.435+/-217.165 χ^2/NDF : 24.4/22

+ sign -882.834+/-184.112 χ^2/NDF : 82.0/51

All: -681.224+/-130.483 χ^2/NDF : 160.8/107

- sign -477.768+/-184.954 χ^2/NDF : 76.4/55

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1400.740+/-0.263 χ^2/NDF : 3109208.4/26

Left Out: 918.501+/-0.150 χ^2/NDF : 887819.5/24

Right Out: 1395.905+/-0.250 χ^2/NDF : 4598918.1/32

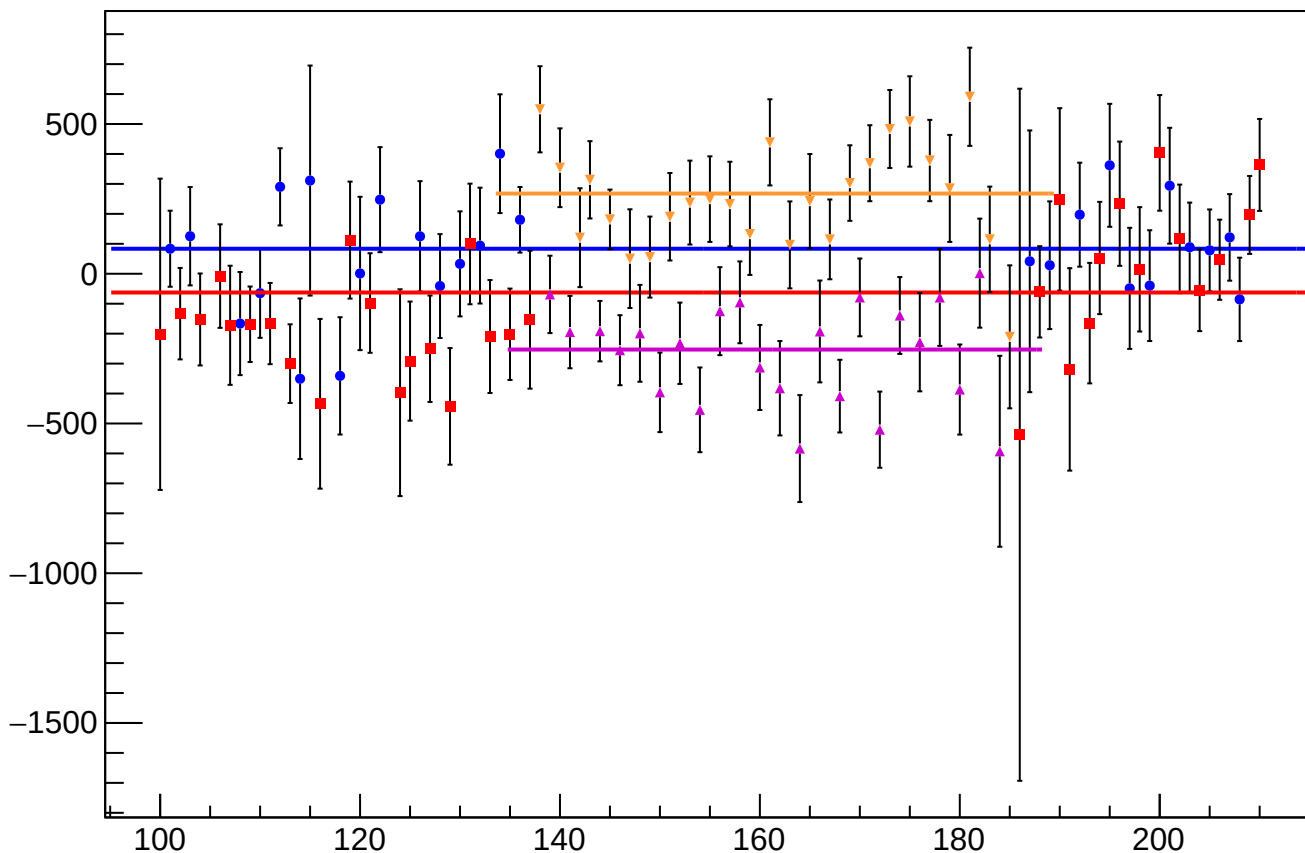
Left In: 918.214+/-0.154 χ^2/NDF : 666263.4/22

+ sign 1036.321+/-0.130 χ^2/NDF : 6530315.4/51

All: 1042.838+/-0.092 χ^2/NDF : 14458387.9/100

- sign 1049.415+/-0.131 χ^2/NDF : 7923037.7/55

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 83.528 ± 32.861 χ^2/NDF : 24.3/26

Left Out: 267.791 ± 28.407 χ^2/NDF : 31.0/24

Right Out: -62.630 ± 31.074 χ^2/NDF : 41.4/32

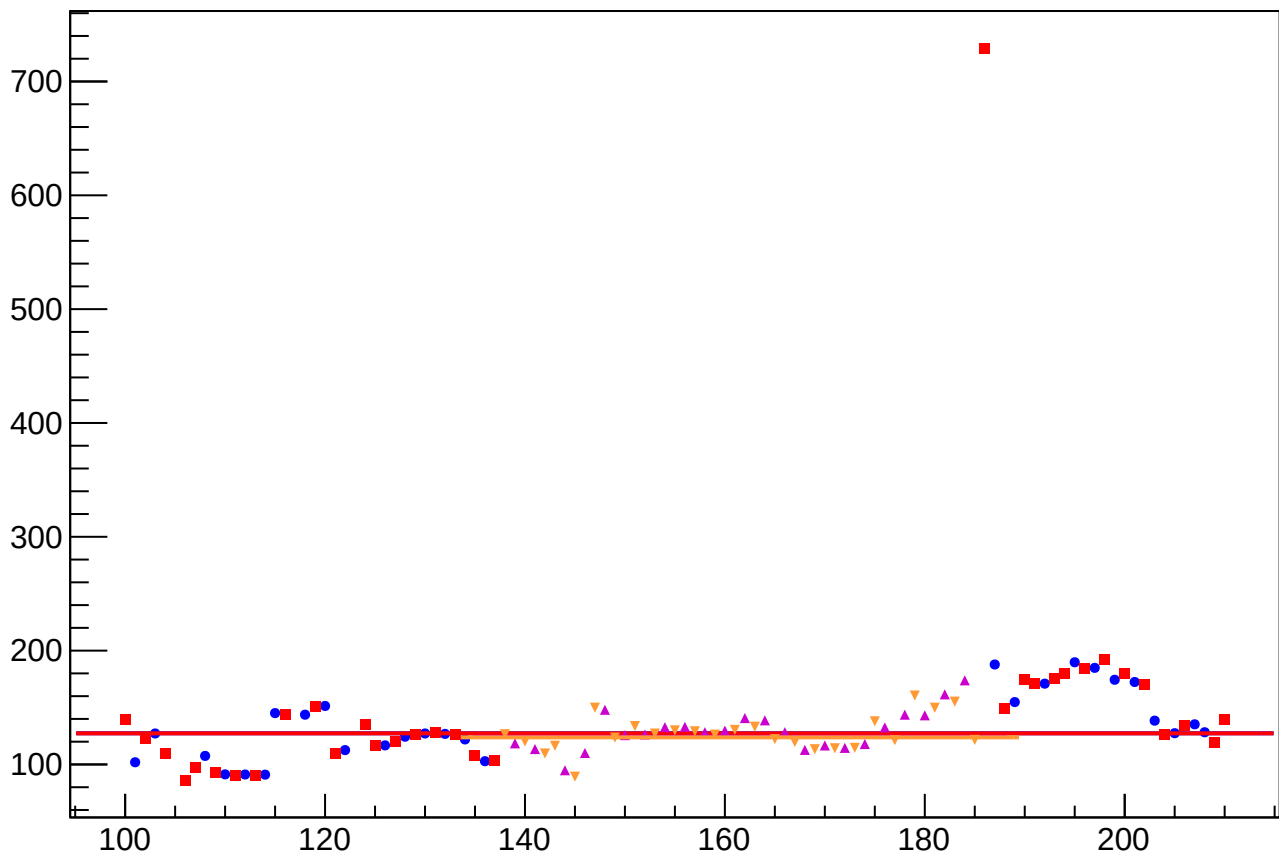
Left In: -253.051 ± 29.313 χ^2/NDF : 26.2/22

+ sign 188.984 ± 21.491 χ^2/NDF : 73.3/51

All: 11.416 ± 15.136 χ^2/NDF : 296.2/107

- sign -163.388 ± 21.323 χ^2/NDF : 87.4/55

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 127.401 $\pm$ 0.023 χ^2 /NDF: 1376220.5/26

Left Out: 123.807 $\pm$ 0.020 χ^2 /NDF: 598444.2/24

Right Out: 127.326 $\pm$ 0.022 χ^2 /NDF: 2337028.4/32

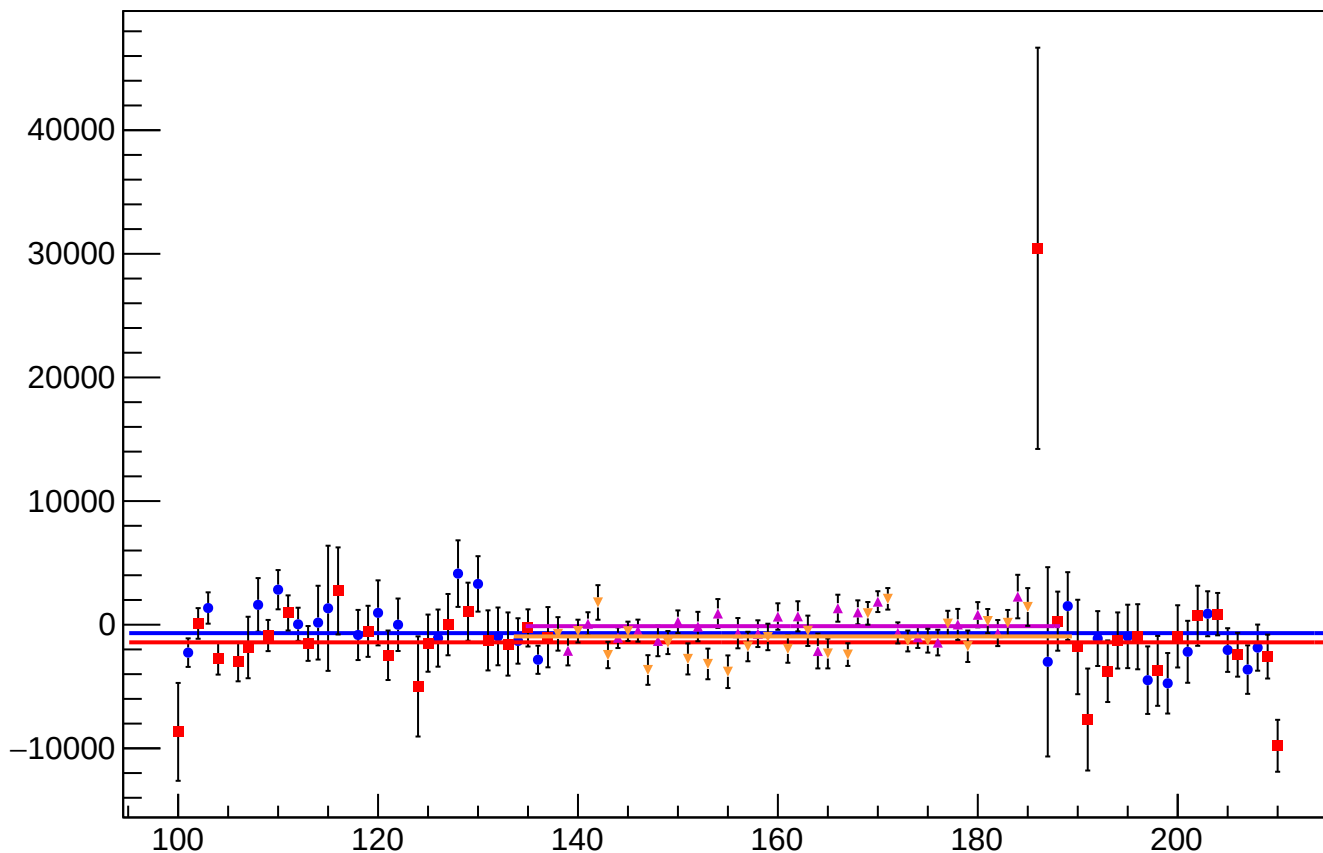
Left In: 124.259 $\pm$ 0.021 χ^2 /NDF: 557214.9/22

+ sign 125.344 $\pm$ 0.015 χ^2 /NDF: 1988353.8/51

All: 125.525 $\pm$ 0.011 χ^2 /NDF: 4893185.1/107

- sign 125.703 $\pm$ 0.015 χ^2 /NDF: 2904550.8/55

asym_sam_48_dd_eigen_cor_correction_mean vs Slug



Right In: -682.173+/-372.481 χ^2/NDF : 31.4/26

Left Out: -947.709+/-211.794 χ^2/NDF : 50.3/24

Right Out: -1426.736+/-352.914 χ^2/NDF : 42.0/32

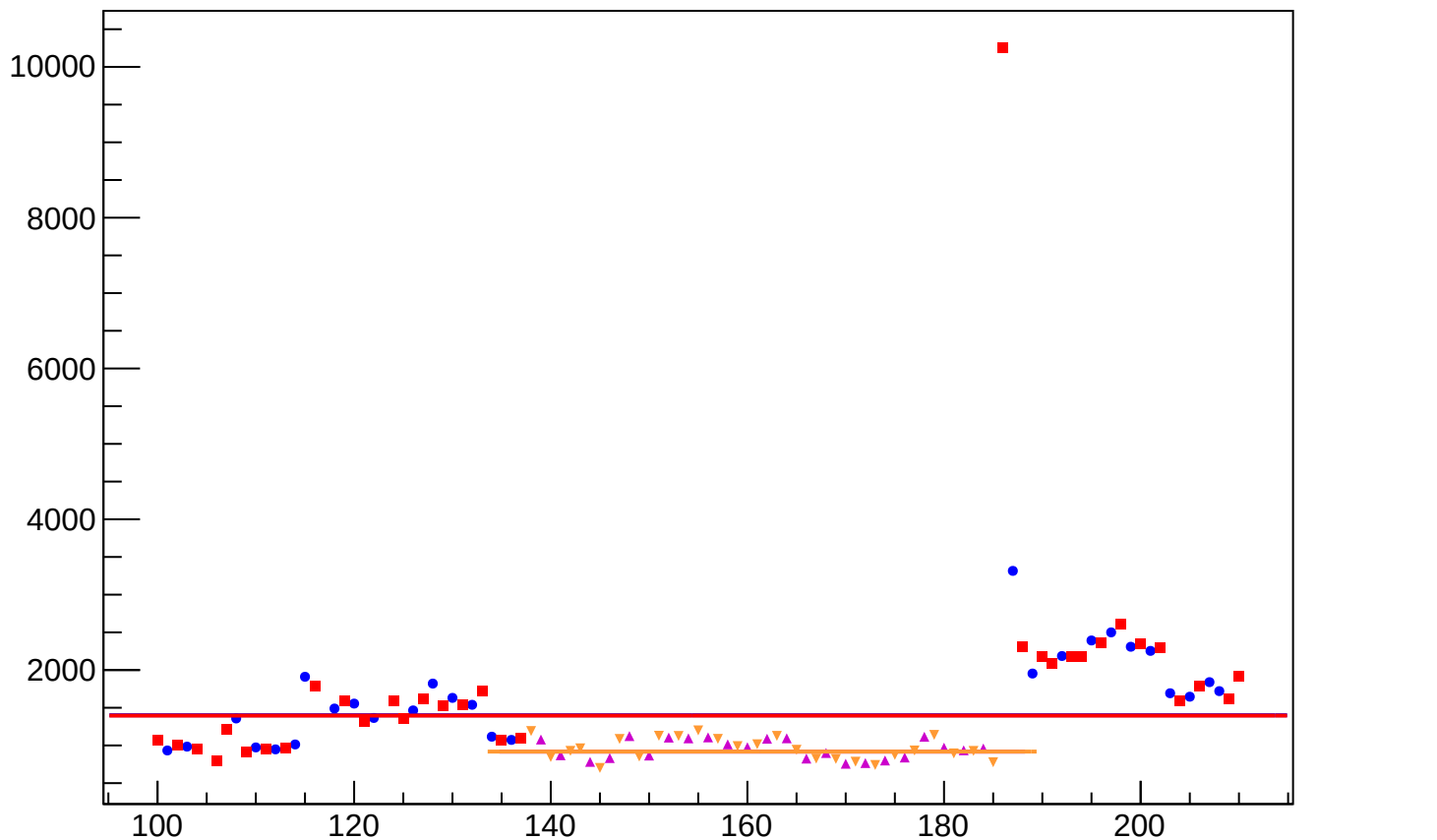
Left In: -118.435+/-217.165 χ^2/NDF : 24.4/22

+ sign -882.834+/-184.112 χ^2/NDF : 82.0/51

All: -681.224+/-130.483 χ^2/NDF : 160.8/107

- sign -477.768+/-184.954 χ^2/NDF : 76.4/55

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1400.740+/-0.263 χ^2/NDF : 3109208.4/26

Left Out: 918.501+/-0.150 χ^2/NDF : 887819.5/24

Right Out: 1395.905+/-0.250 χ^2/NDF : 4598918.1/32

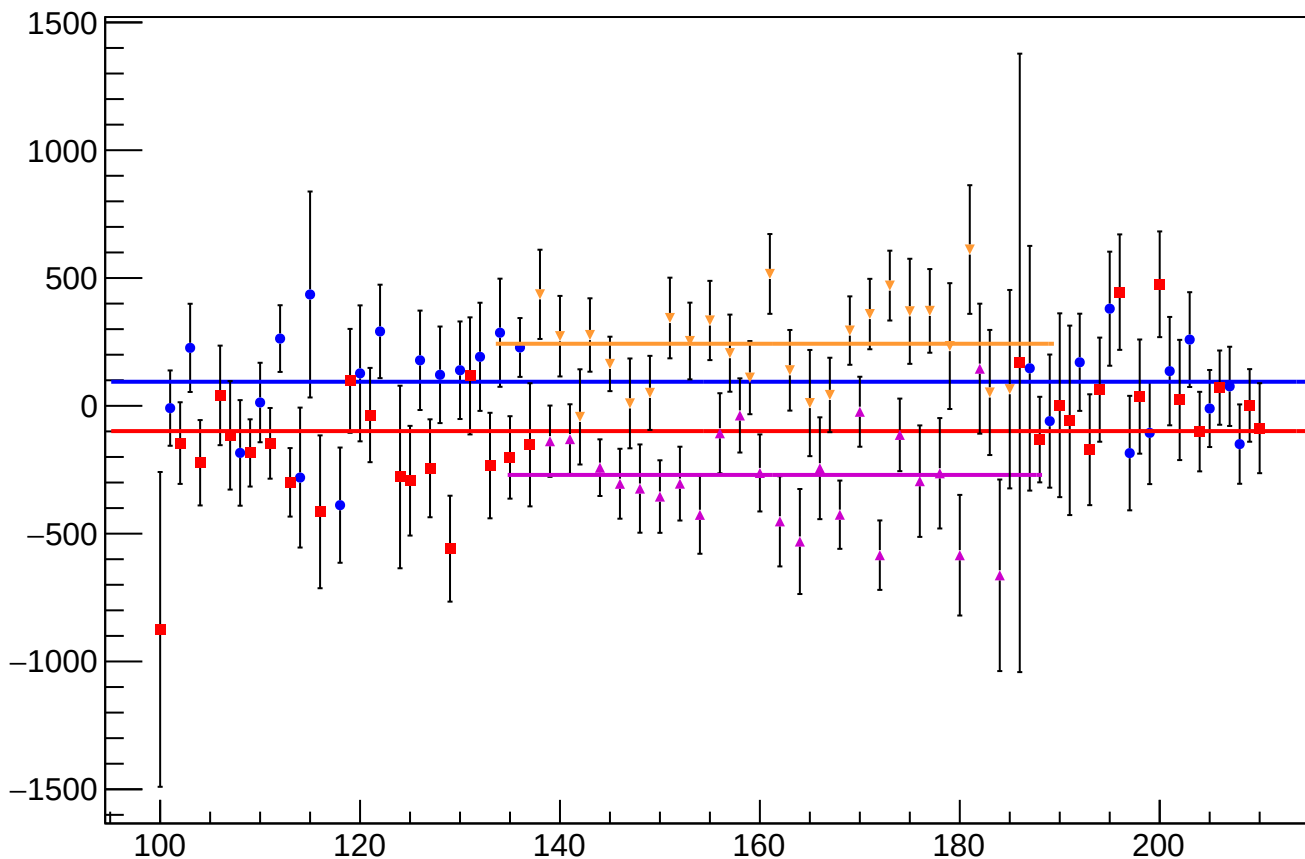
Left In: 918.214+/-0.154 χ^2/NDF : 666263.4/22

+ sign 1036.321+/-0.130 χ^2/NDF : 6530315.4/51

All: 1042.838+/-0.092 χ^2/NDF : 14458387.9/100

- sign 1049.415+/-0.131 χ^2/NDF : 7923037.7/55

dit_asym_sam_48_dd_mean vs Slug



Right In: 94.224+/-35.831 χ^2/NDF : 24.4/26

Left Out: 242.890+/-32.138 χ^2/NDF : 23.7/24

Right Out: -98.817+/-33.639 χ^2/NDF : 33.0/32

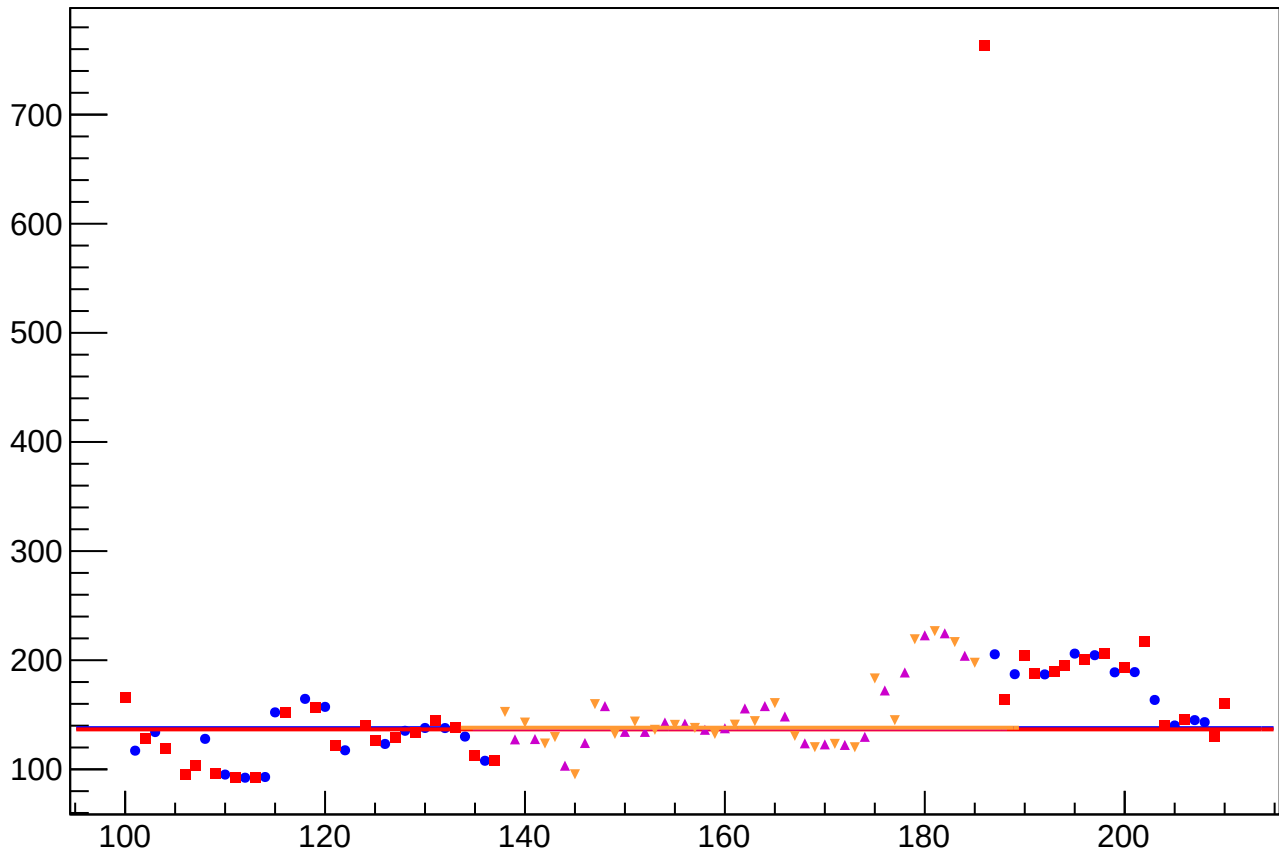
Left In: -270.243+/-32.893 χ^2/NDF : 26.7/22

+ sign 176.610+/-23.925 χ^2/NDF : 57.6/51

All: -8.031+/-16.772 χ^2/NDF : 247.7/107

- sign -186.452+/-23.518 χ^2/NDF : 73.0/55

dit_asym_sam_48_dd_rms vs Slug



Right In: 137.728 $\pm$ 0.025 χ^2 /NDF: 1612040.4/26

Left Out: 138.127 $\pm$ 0.023 χ^2 /NDF:1338308.5/24

Right Out: 136.611 $\pm$ 0.024 χ^2 /NDF: 2669396.2/32

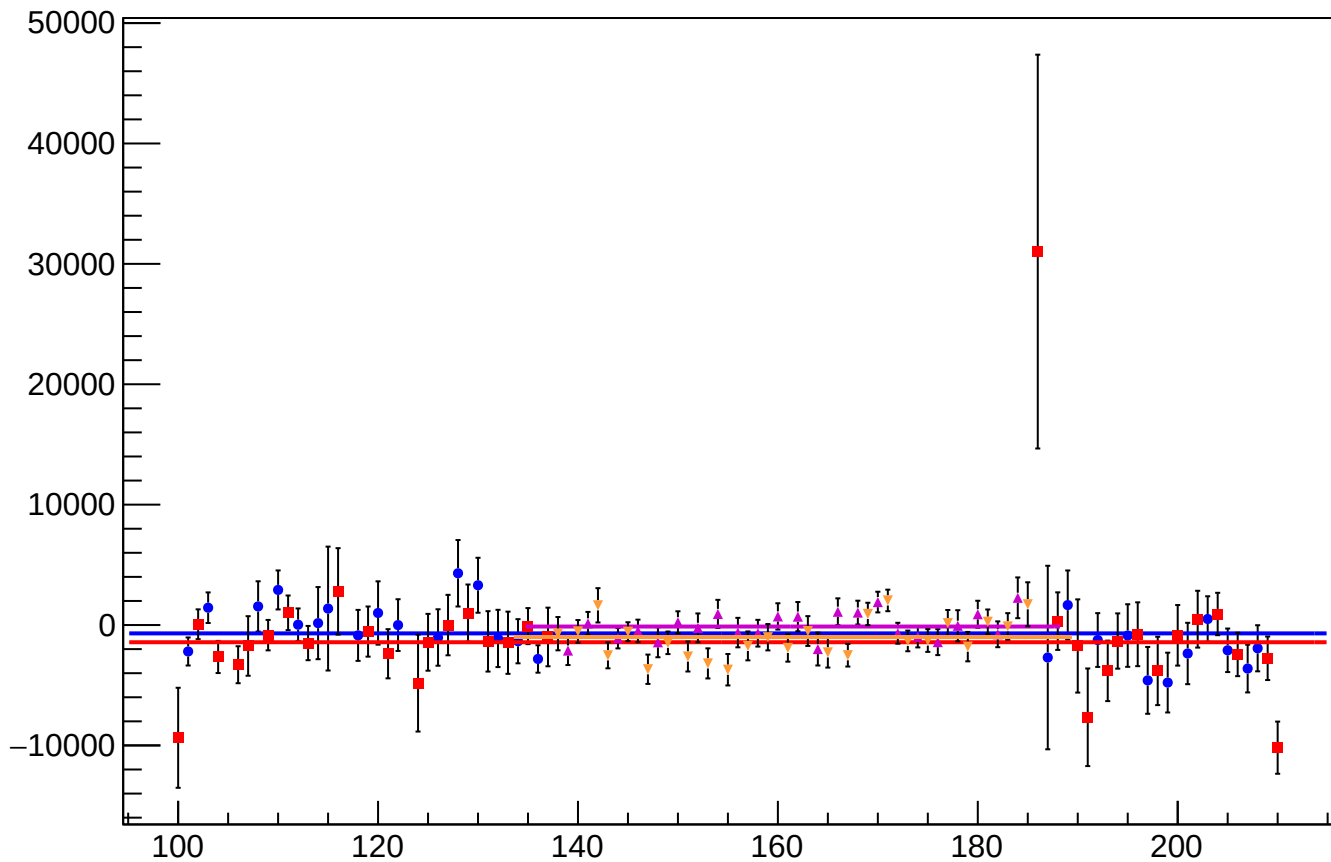
Left In: 137.491 $\pm$ 0.023 χ^2 /NDF:1109333.5/22

+ sign 137.949 $\pm$ 0.017 χ^2 /NDF: 2950486.6/51

All: 137.497 $\pm$ 0.012 χ^2 /NDF: 6731319.8/107

- sign 137.061 $\pm$ 0.017 χ^2 /NDF: 3779430.5/55

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -693.087 ± 376.795 χ^2/NDF : 31.1/26

Left Out: -993.237 ± 215.652 χ^2/NDF : 46.9/24

Right Out: -1428.663 ± 355.344 χ^2/NDF : 43.4/32

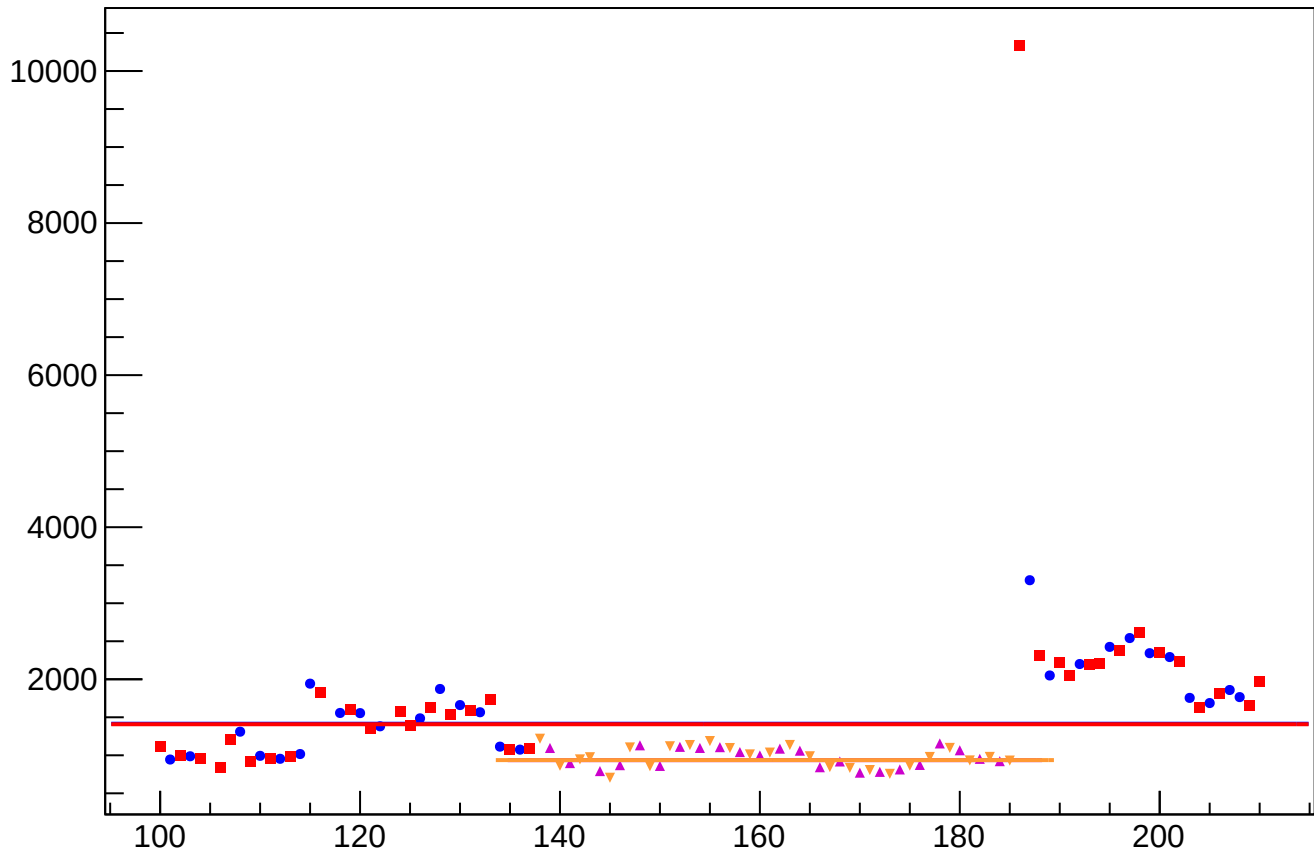
Left In: -124.857 ± 221.367 χ^2/NDF : 23.9/22

+ sign -919.178 ± 187.166 χ^2/NDF : 78.6/51

All: -705.109 ± 132.601 χ^2/NDF : 158.2/107

- sign -489.379 ± 187.890 χ^2/NDF : 77.0/55

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1415.175+/-0.266 χ^2/NDF : 3211971.7/26

Left Out: 936.743+/-0.152 χ^2/NDF : 832449.3/24

Right Out: 1408.380+/-0.251 χ^2/NDF : 4587651.9/32

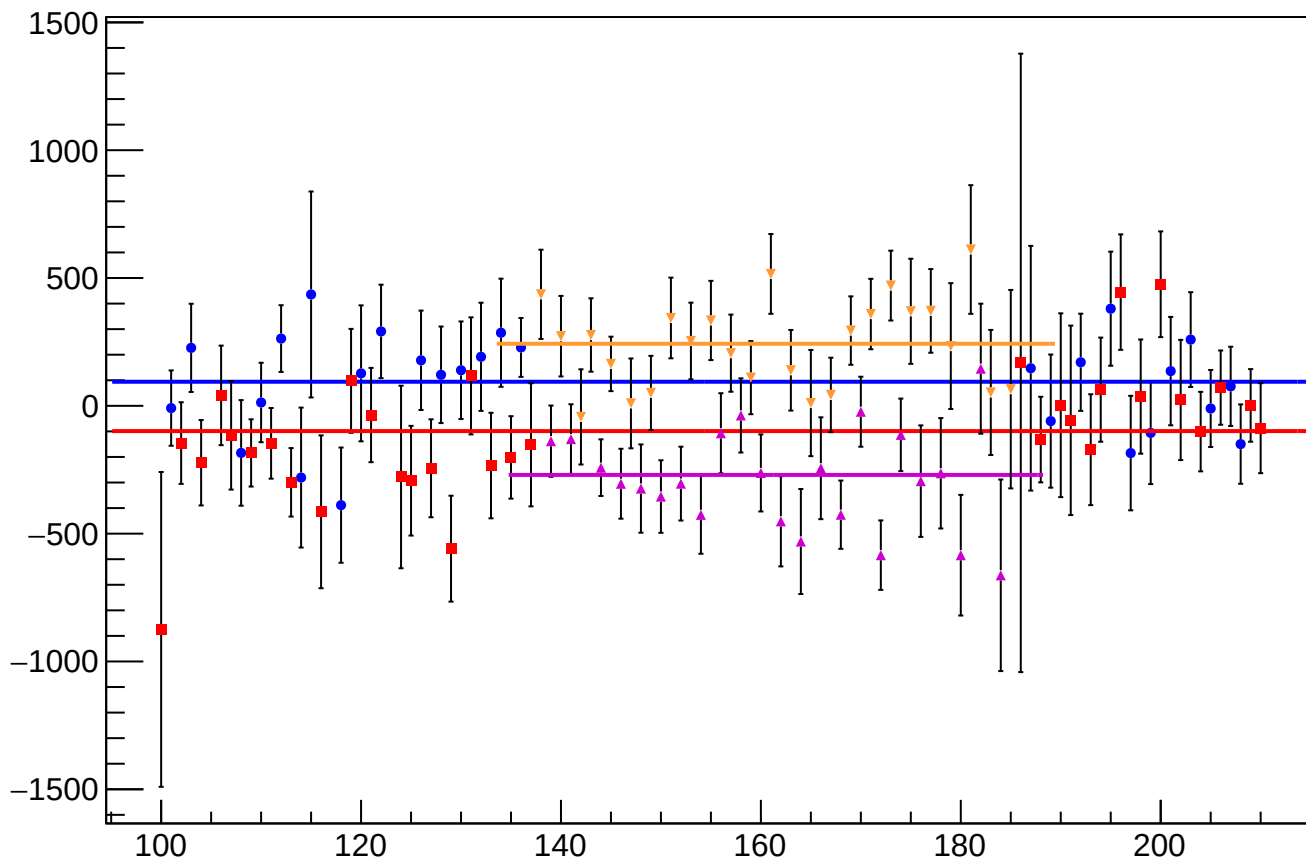
Left In: 936.380+/-0.157 χ^2/NDF : 642749.3/22

+ sign 1054.792+/-0.132 χ^2/NDF : 6473287.4/51

All: 1061.542+/-0.094 χ^2/NDF : 14251055.3/100

- sign 1068.344+/-0.133 χ^2/NDF : 7772545.9/55

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 94.226 ± 35.831 χ^2/NDF : 24.4/26

Left Out: 242.892 ± 32.138 χ^2/NDF : 23.7/24

Right Out: -98.816 ± 33.639 χ^2/NDF : 33.0/32

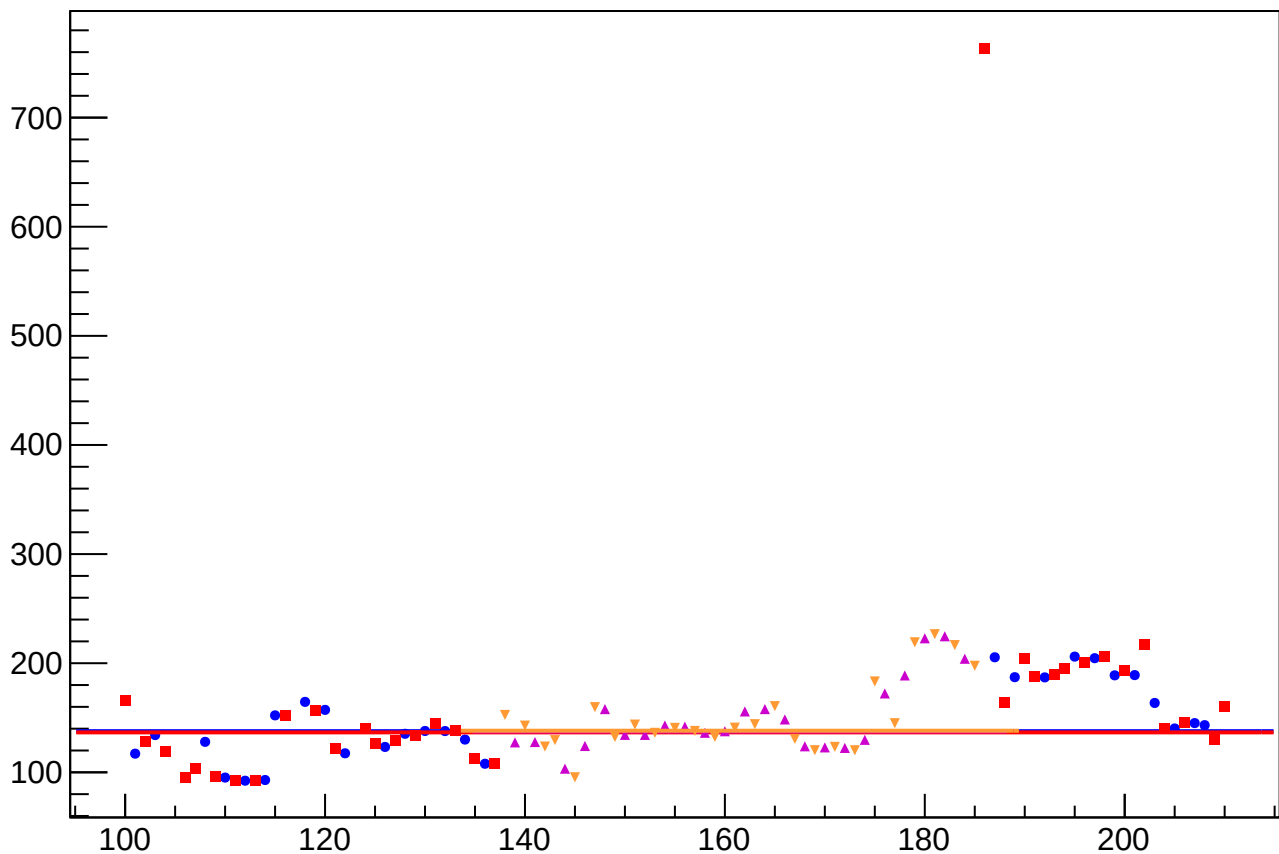
Left In: -270.244 ± 32.893 χ^2/NDF : 26.7/22

+ sign 176.612 ± 23.925 χ^2/NDF : 57.6/51

All: -8.030 ± 16.772 χ^2/NDF : 247.7/107

- sign -186.452 ± 23.518 χ^2/NDF : 73.0/55

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 137.728+/-0.025 χ^2/NDF : 1612028.5/26

Left Out: 138.127+/-0.023 χ^2/NDF :1338311.7/24

Right Out: 136.611+/-0.024 χ^2/NDF : 2669402.3/32

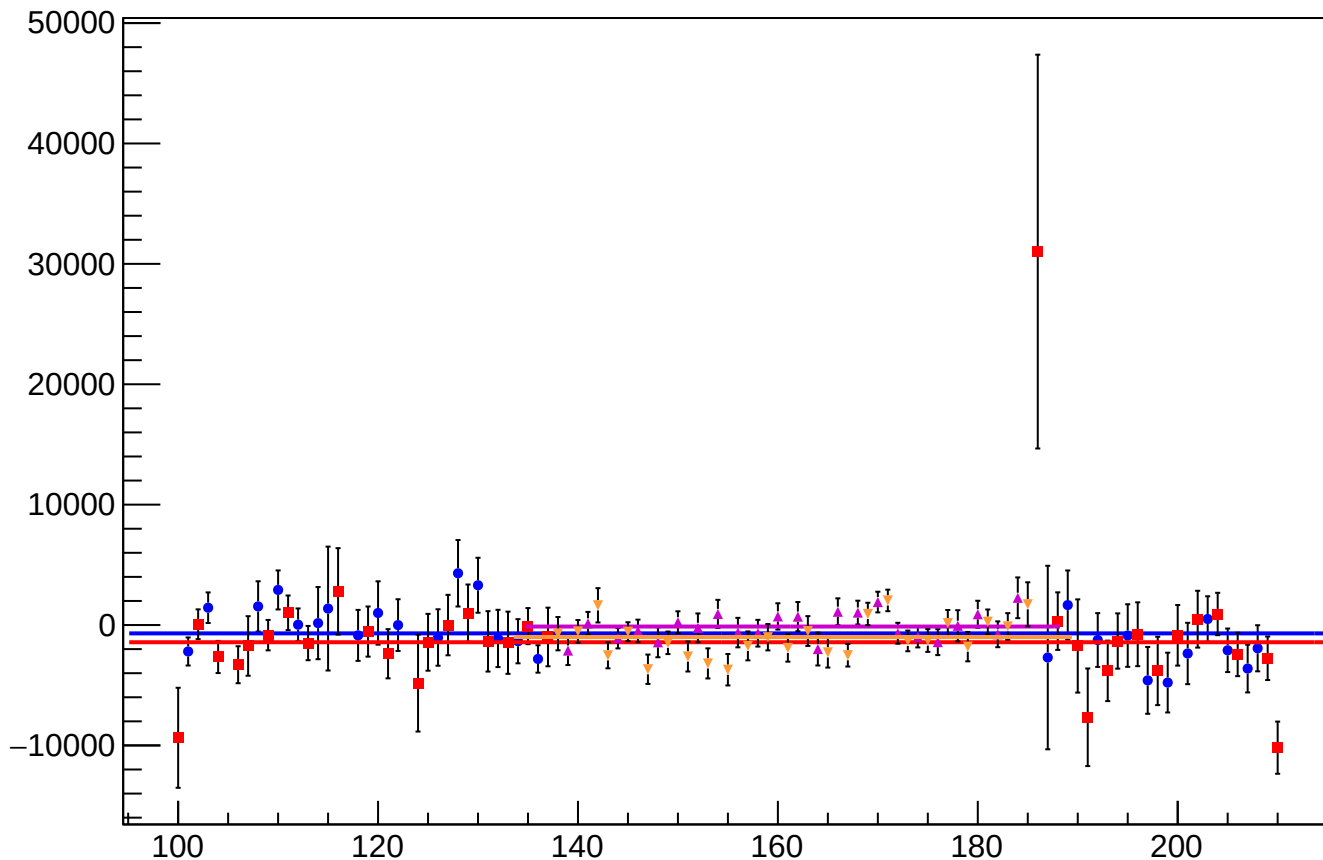
Left In: 137.491+/-0.023 χ^2/NDF :1109319.8/22

+ sign 137.949+/-0.017 χ^2/NDF : 2950477.8/51

All: 137.497+/-0.012 χ^2/NDF : 6731303.2/107

- sign 137.061+/-0.017 χ^2/NDF : 3779422.8/55

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -693.086 ± 376.795 χ^2/NDF : 31.1/26

Left Out: -993.235 ± 215.652 χ^2/NDF : 46.9/24

Right Out: -1428.661 ± 355.344 χ^2/NDF : 43.4/32

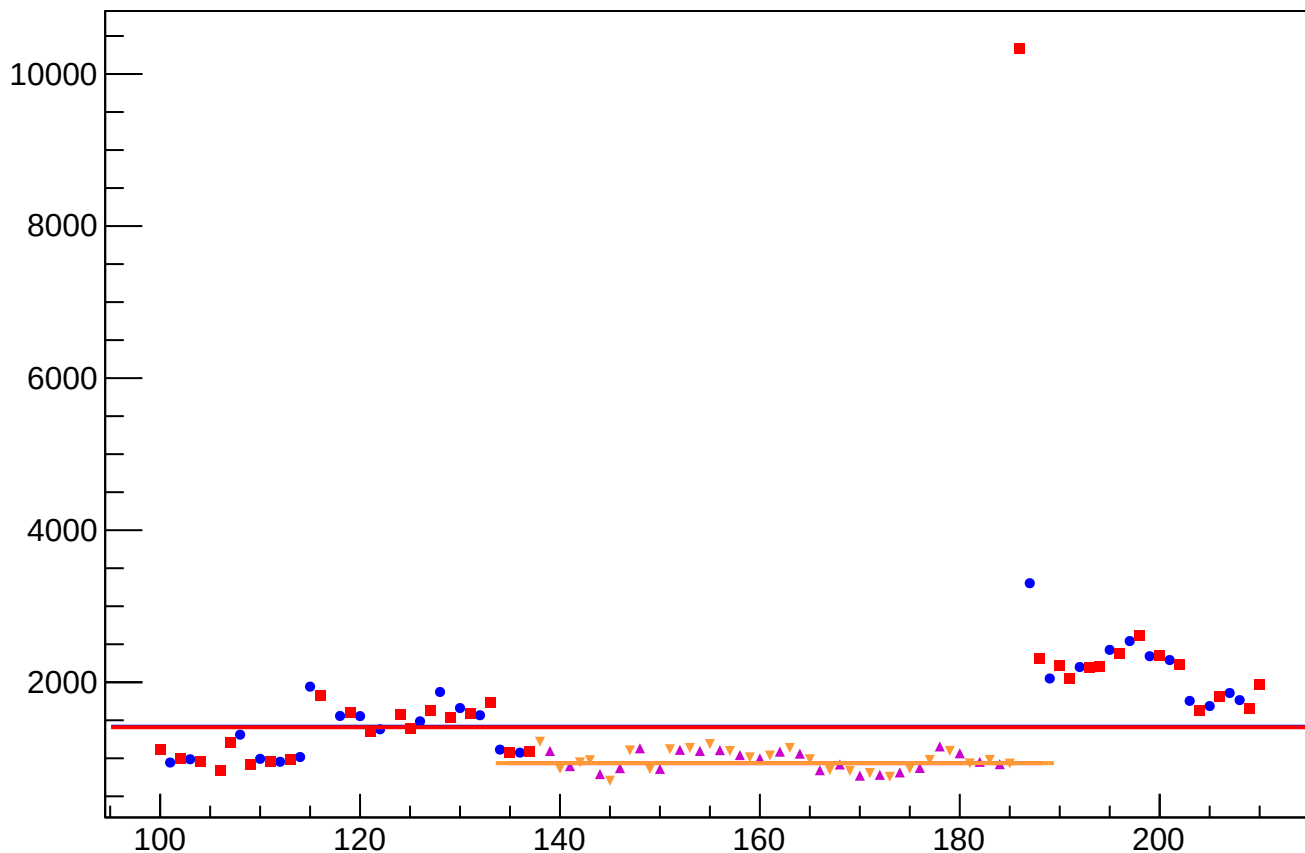
Left In: -124.856 ± 221.366 χ^2/NDF : 23.9/22

+ sign -919.176 ± 187.165 χ^2/NDF : 78.6/51

All: -705.107 ± 132.601 χ^2/NDF : 158.2/107

- sign -489.378 ± 187.890 χ^2/NDF : 77.0/55

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1415.174+/-0.266 χ^2/NDF : 3211966.1/26

Left Out: 936.742+/-0.152 χ^2/NDF : 832452.0/24

Right Out: 1408.380+/-0.251 χ^2/NDF : 4587644.8/32

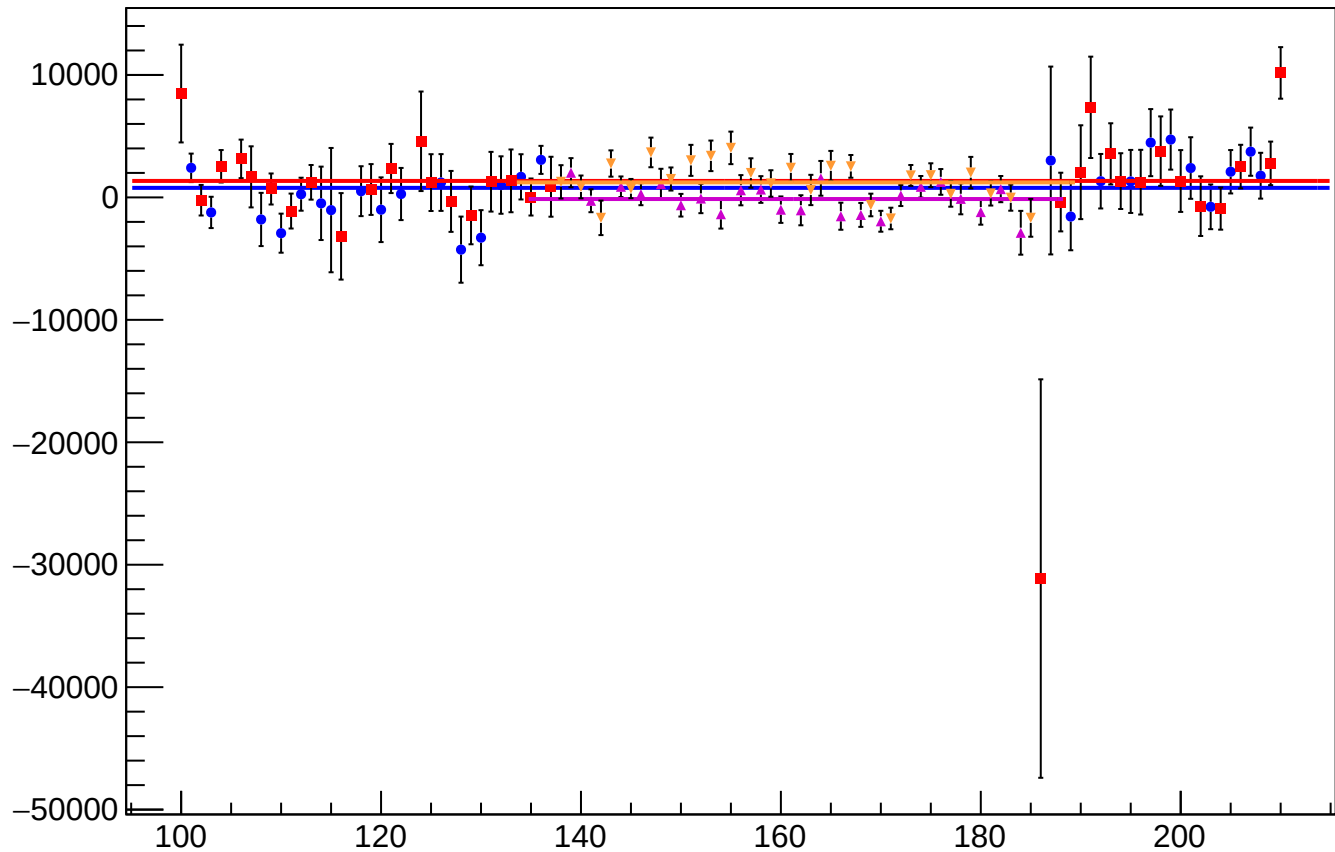
Left In: 936.379+/-0.157 χ^2/NDF : 642748.0/22

+ sign 1054.791+/-0.132 χ^2/NDF : 6473294.7/51

All: 1061.541+/-0.094 χ^2/NDF : 14251062.1/100

- sign 1068.343+/-0.133 χ^2/NDF : 7772545.3/55

asym_sam_48_dd_mean vs Slug



Right In: 779.668 ± 374.222 $\chi^2/\text{NDF}: 32.8/26$

Left Out: 1225.521 ± 213.843 $\chi^2/\text{NDF}: 48.5/24$

Right Out: 1345.346 ± 354.179 $\chi^2/\text{NDF}: 44.7/32$

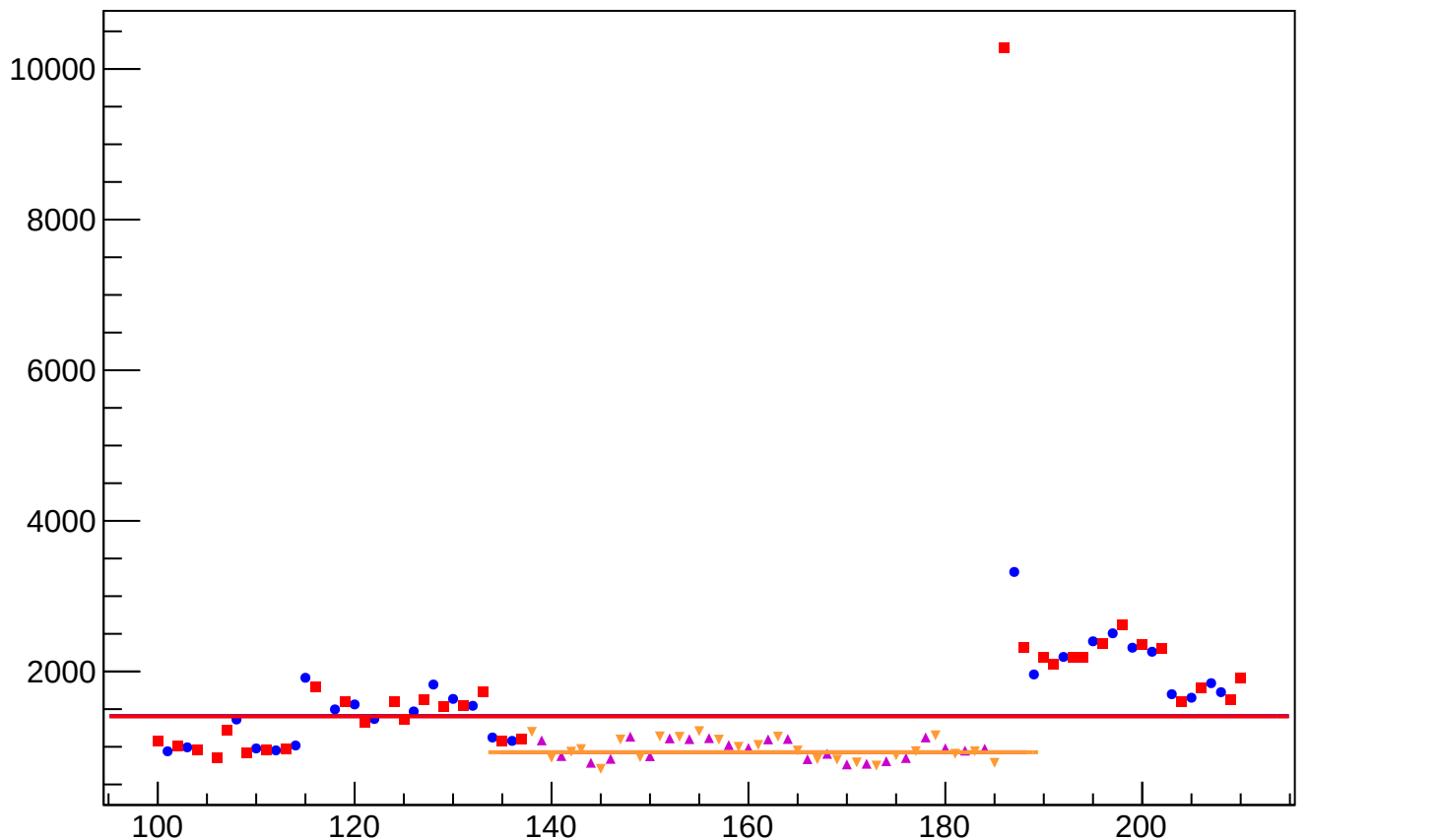
Left In: -132.834 ± 219.278 $\chi^2/\text{NDF}: 25.8/22$

+ sign 1115.771 ± 185.667 $\chi^2/\text{NDF}: 82.3/51$

All: 698.005 ± 131.559 $\chi^2/\text{NDF}: 175.7/107$

- sign 276.762 ± 186.439 $\chi^2/\text{NDF}: 83.2/55$

asym_sam_48_dd_rms vs Slug



Right In: 1407.878 ± 0.265 $\chi^2/\text{NDF}: 3085781.1/26$

Left Out: 927.610 ± 0.151 $\chi^2/\text{NDF}: 875127.3/24$

Right Out: 1404.232 ± 0.250 $\chi^2/\text{NDF}: 4536611.9/32$

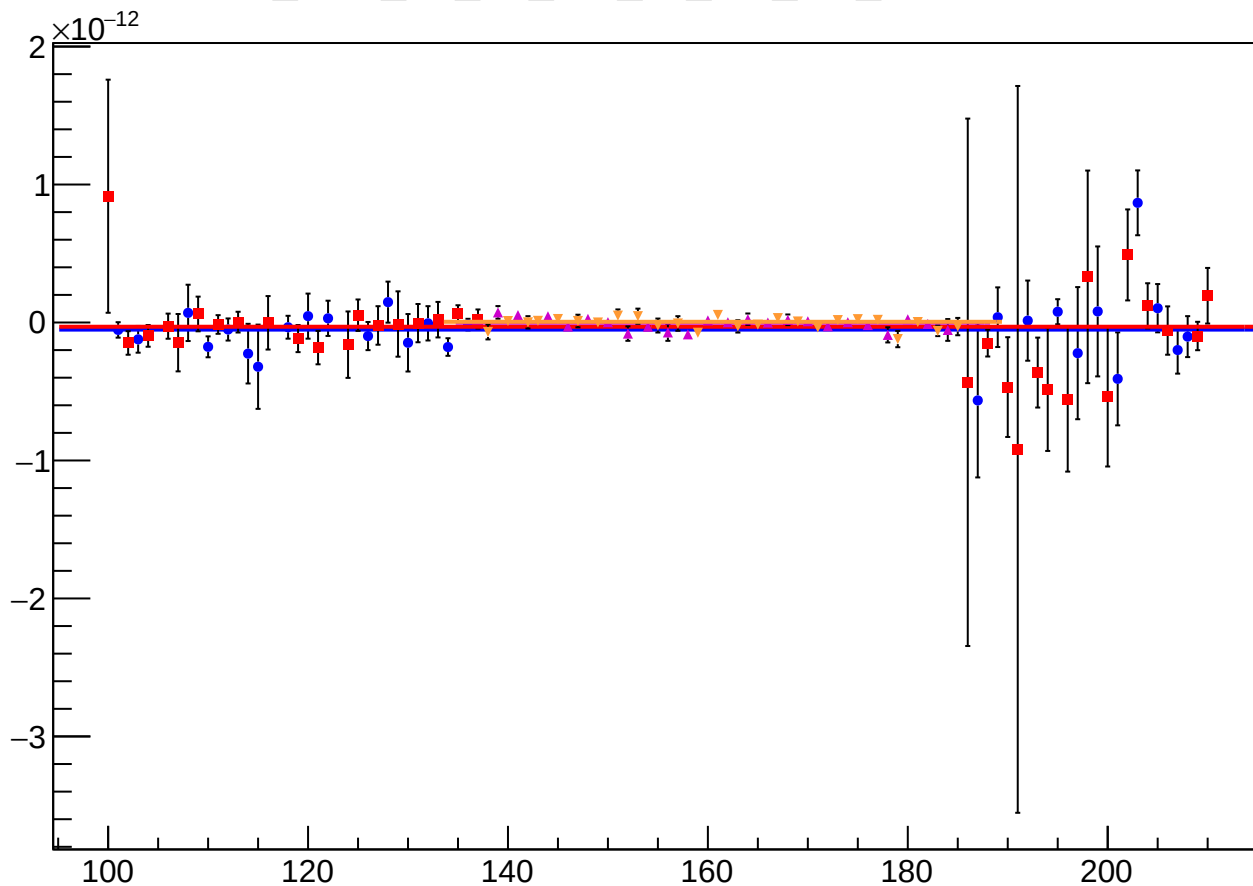
Left In: 927.321 ± 0.155 $\chi^2/\text{NDF}: 656539.8/22$

+ sign 1045.831 ± 0.131 $\chi^2/\text{NDF}: 6444150.2/51$

All: 1052.622 ± 0.093 $\chi^2/\text{NDF}: 14264126.7/100$

- sign 1059.470 ± 0.132 $\chi^2/\text{NDF}: 7814602.5/55$

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 34.2/26

Left Out: 0.000+/-0.000 χ^2 /NDF: 25.4/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 24.8/32

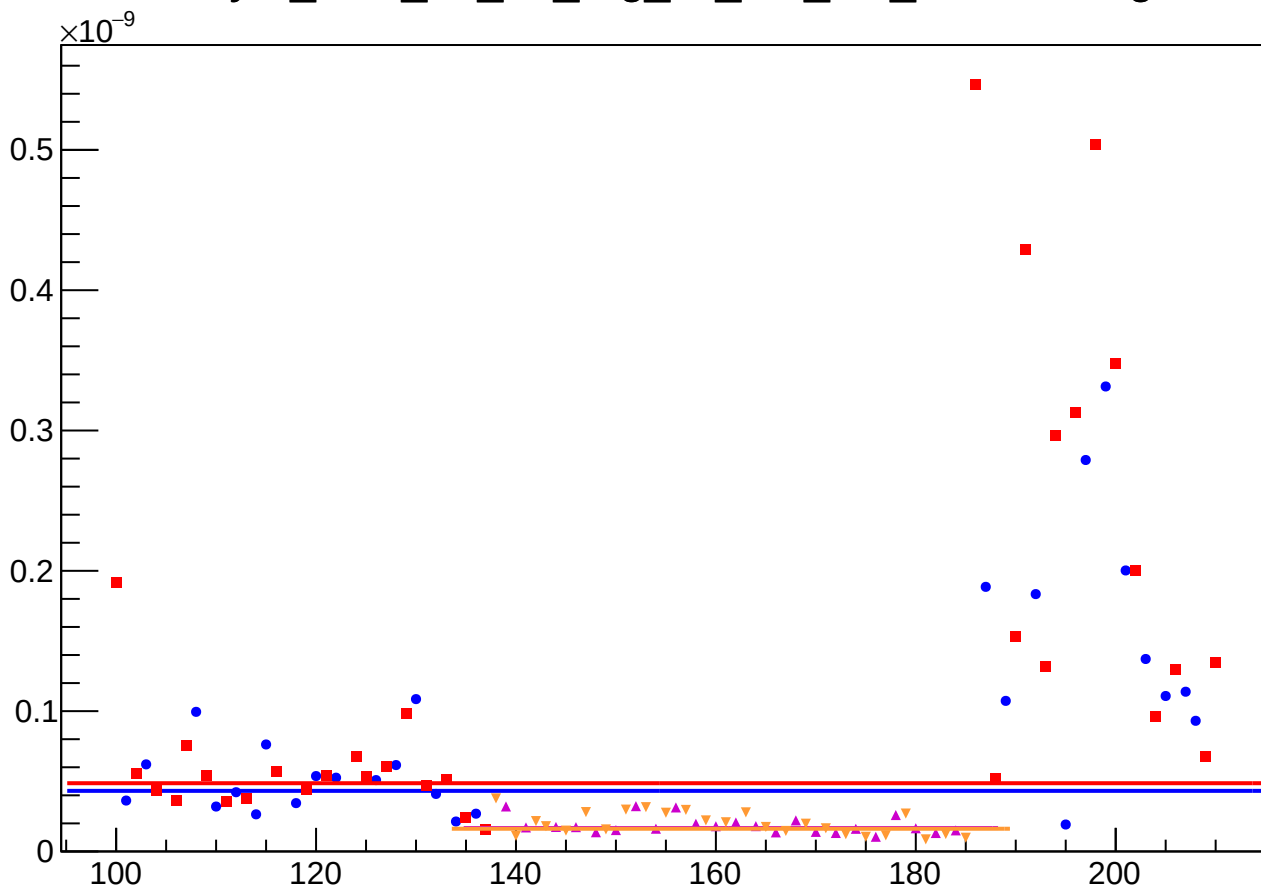
Left In: -0.000+/-0.000 χ^2 /NDF: 27.7/22

+ sign -0.000+/-0.000 χ^2 /NDF: 66.6/51

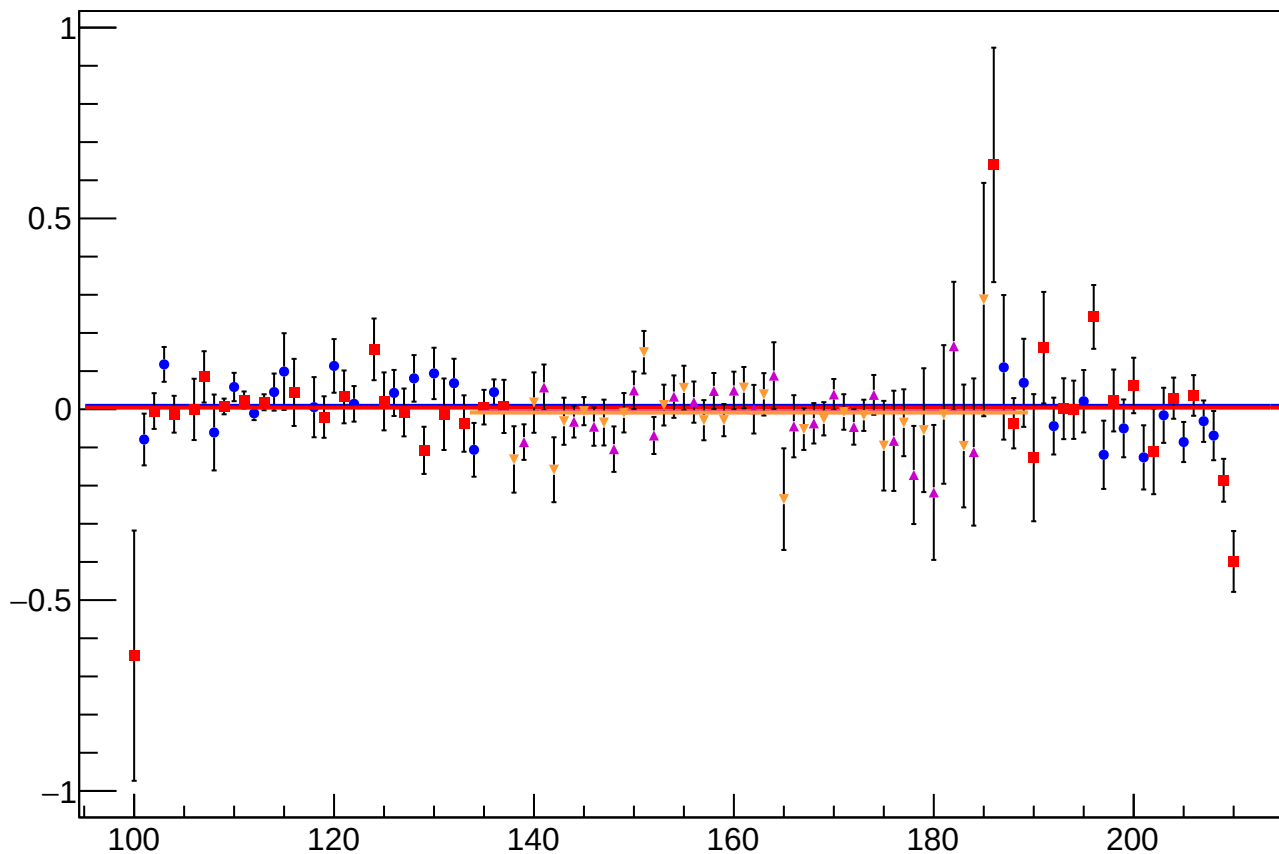
All: -0.000+/-0.000 χ^2 /NDF: 121.0/107

- sign -0.000+/-0.000 χ^2 /NDF: 54.3/55

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 ± 0.010 χ^2/NDF : 34.1/26

Left Out: -0.008 ± 0.012 χ^2/NDF : 23.2/24

Right Out: 0.004 ± 0.009 χ^2/NDF : 68.6/32

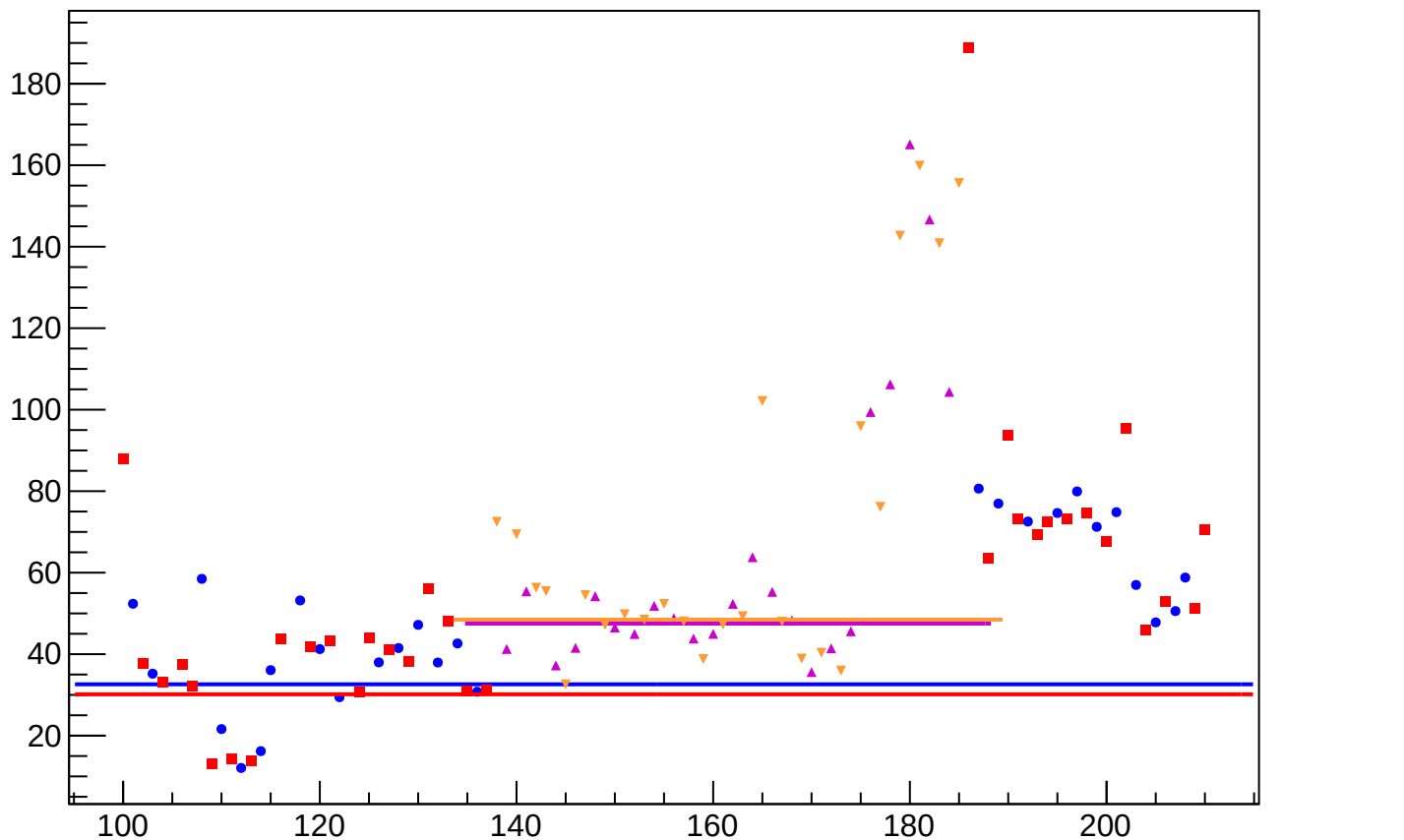
Left In: -0.007 ± 0.012 χ^2/NDF : 23.2/22

+ sign 0.002 ± 0.008 χ^2/NDF : 58.5/51

All: 0.001 ± 0.005 χ^2/NDF : 151.0/107

- sign 0.000 ± 0.007 χ^2/NDF : 92.4/55

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 32.607+/-0.007 χ^2/NDF : 7845955.1/26

Left Out: 48.471+/-0.008 χ^2/NDF : 4373812.0/24

Right Out: 30.152+/-0.006 χ^2/NDF : 10627814.9/32

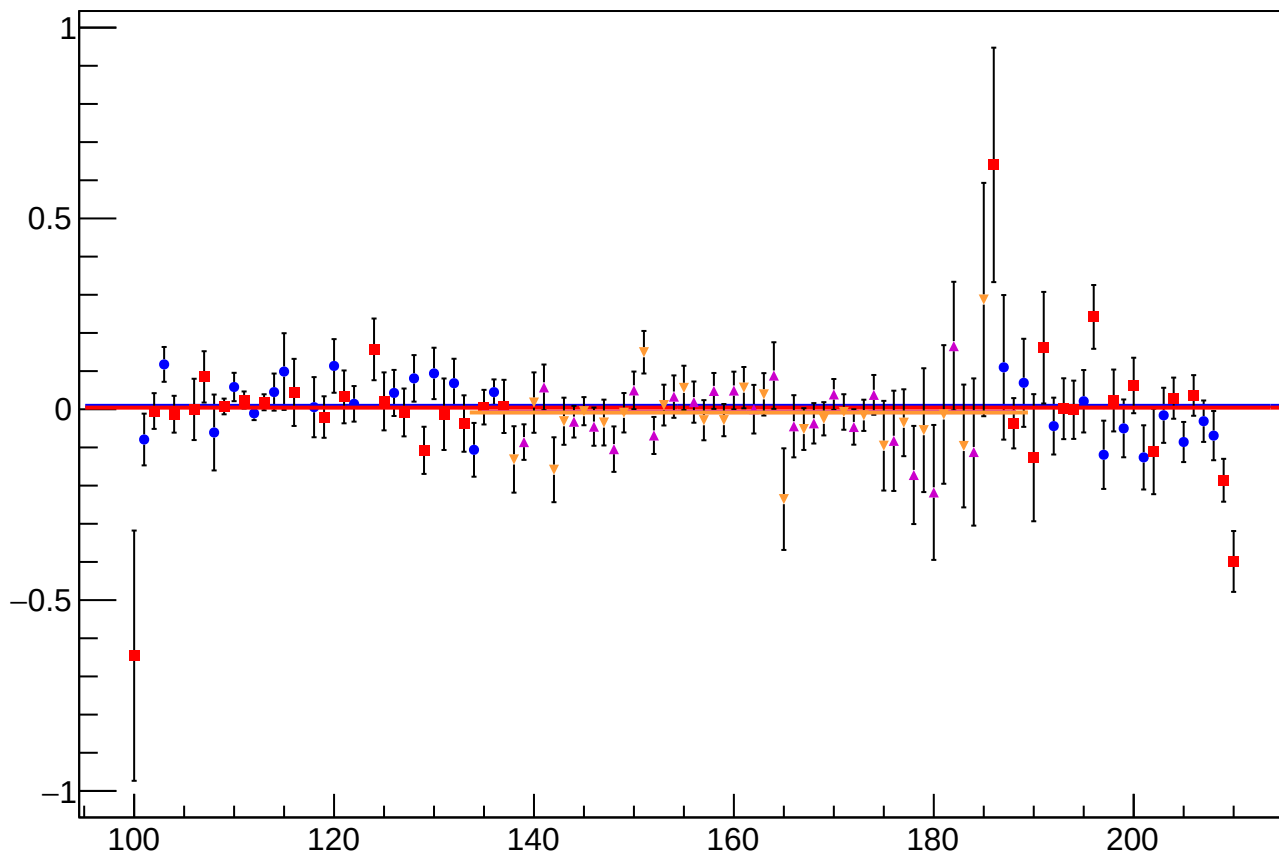
Left In: 47.505+/-0.009 χ^2/NDF : 3075161.5/22

+ sign 39.039+/-0.005 χ^2/NDF : 14295451.5/51

All: 37.539+/-0.004 χ^2/NDF : 30843975.6/107

- sign 36.236+/-0.005 χ^2/NDF : 16404556.2/55

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.010 χ^2 /NDF: 34.1/26

Left Out: -0.008 $\pm$ 0.012 χ^2 /NDF: 23.2/24

Right Out: 0.004 $\pm$ 0.009 χ^2 /NDF: 68.6/32

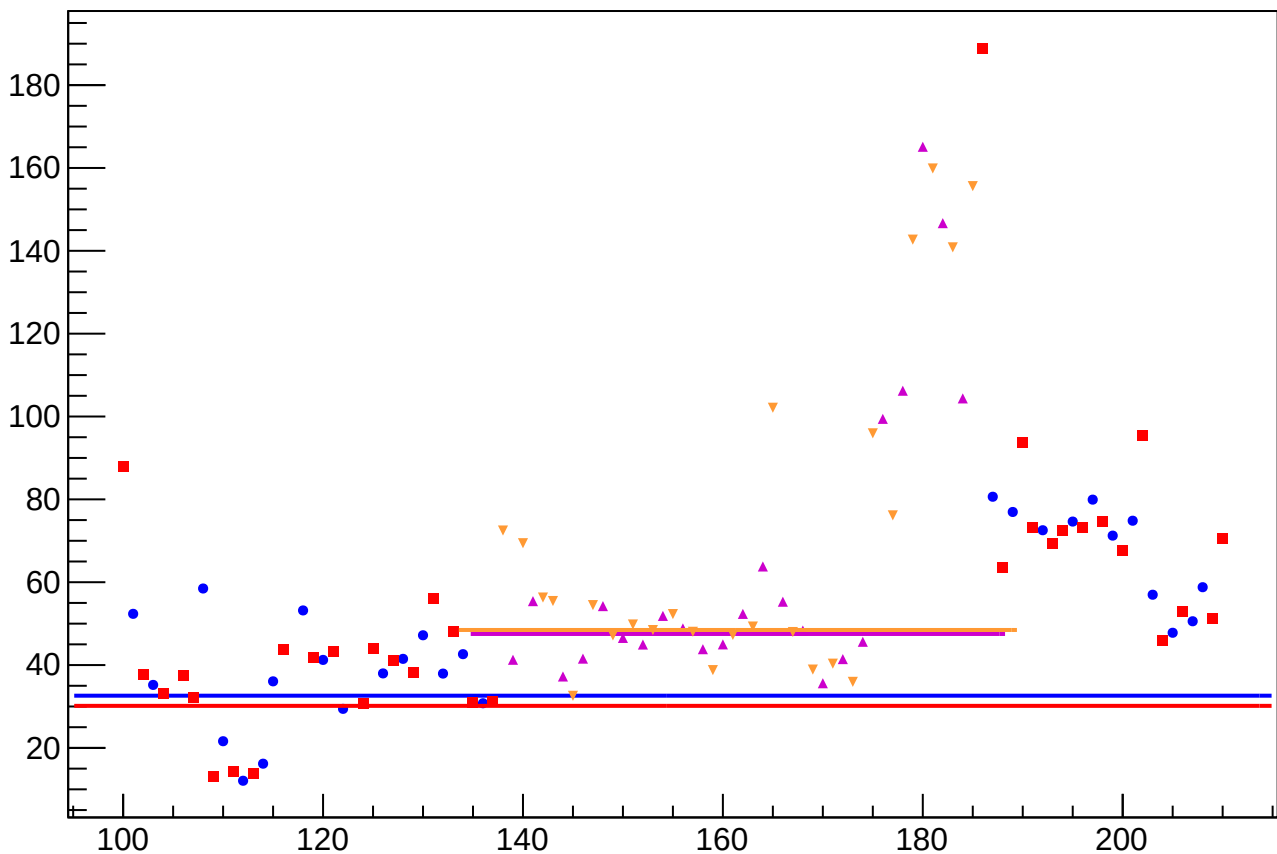
Left In: -0.007 $\pm$ 0.012 χ^2 /NDF: 23.2/22

+ sign 0.002 $\pm$ 0.008 χ^2 /NDF: 58.5/51

All: 0.001 $\pm$ 0.005 χ^2 /NDF: 151.0/107

- sign 0.000 $\pm$ 0.007 χ^2 /NDF: 92.4/55

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.607+/-0.007 χ^2/NDF : 7845955.1/26

Left Out: 48.471+/-0.008 χ^2/NDF : 4373812.0/24

Right Out: 30.152+/-0.006 χ^2/NDF : 10627814.9/32

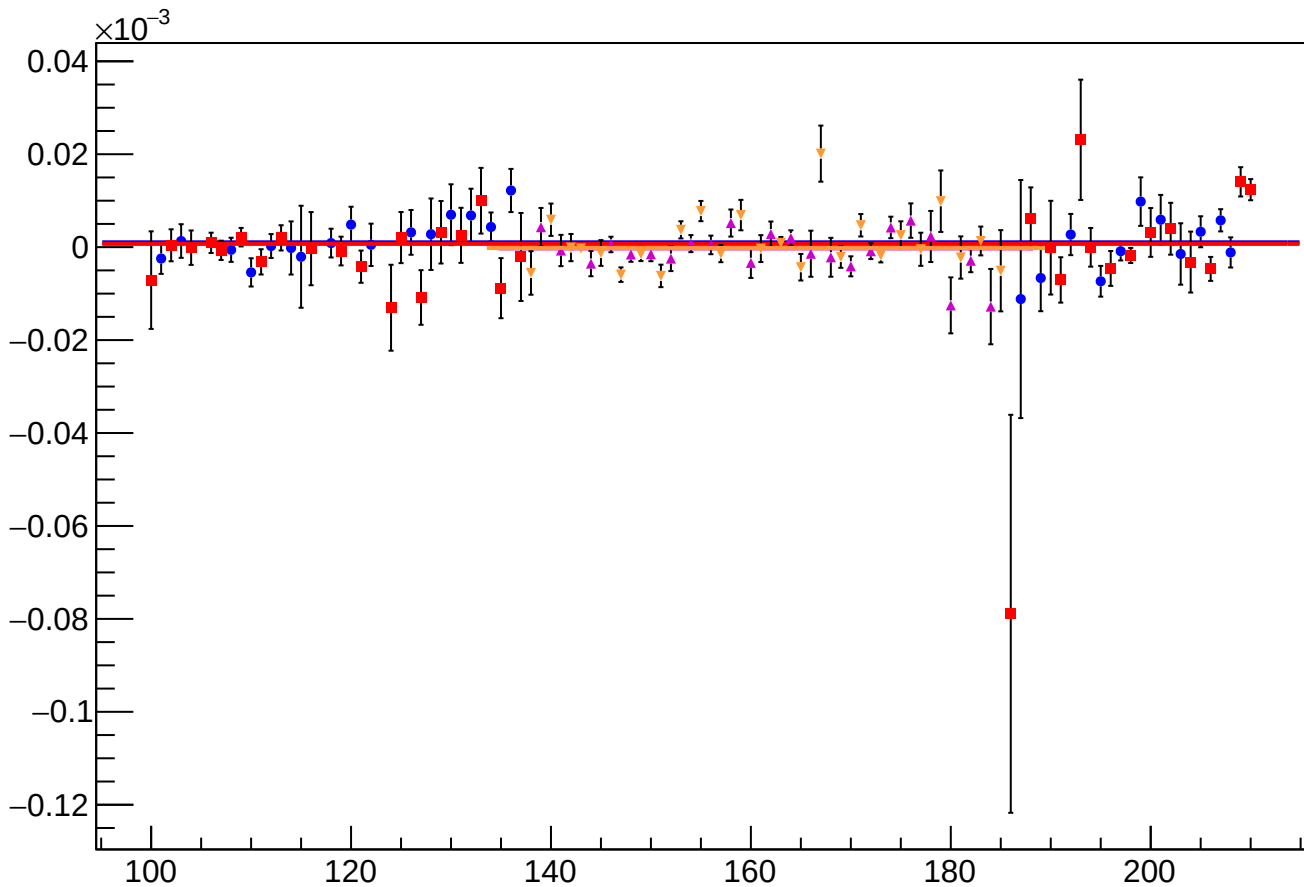
Left In: 47.505+/-0.009 χ^2/NDF : 3075161.5/22

+ sign 39.039+/-0.005 χ^2/NDF : 14295451.5/51

All: 37.539+/-0.004 χ^2/NDF : 30843975.6/107

- sign 36.236+/-0.005 χ^2/NDF : 16404556.2/55

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.7/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 71.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 80.1/32

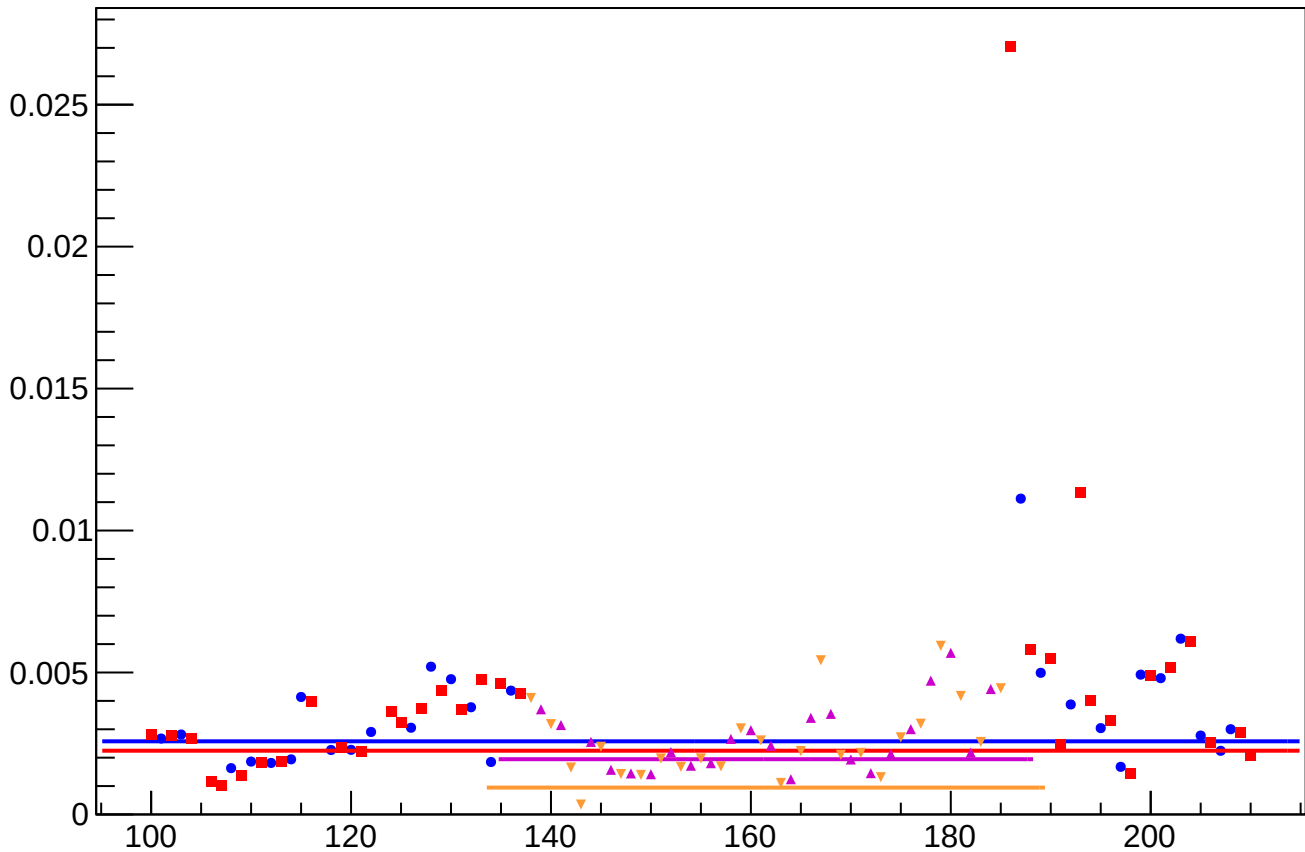
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 108.0/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 220.6/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 112.5/55

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4138862.2/26

Left Out: 0.001+/-0.000 χ^2/NDF :17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF : 8341705.2/32

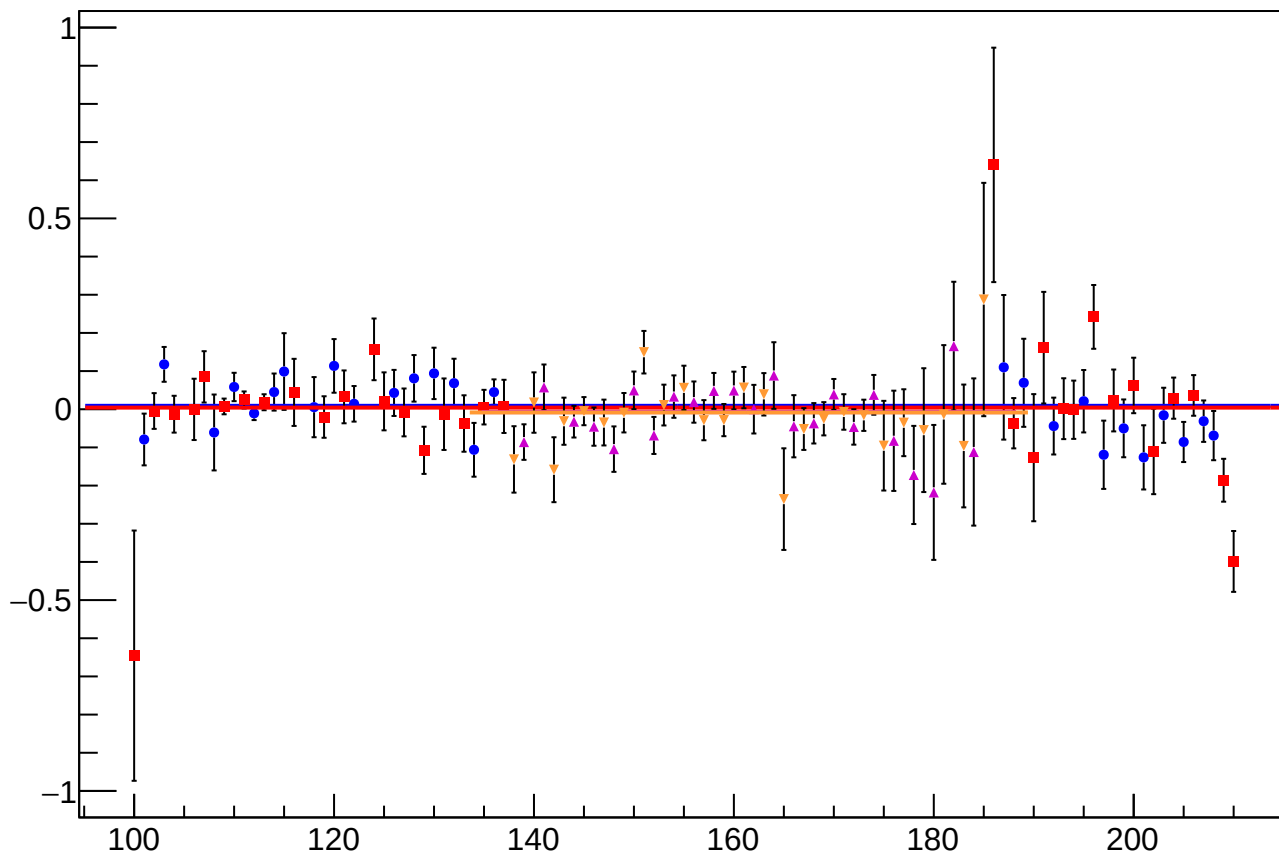
Left In: 0.002+/-0.000 χ^2/NDF :4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF : 30616373.6/51

All: 0.001+/-0.000 χ^2/NDF : 50299889.8/107

- sign 0.002+/-0.000 χ^2/NDF : 12991044.5/55

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.010 χ^2 /NDF: 34.1/26

Left Out: -0.008 $\pm$ 0.012 χ^2 /NDF: 23.2/24

Right Out: 0.004 $\pm$ 0.009 χ^2 /NDF: 68.6/32

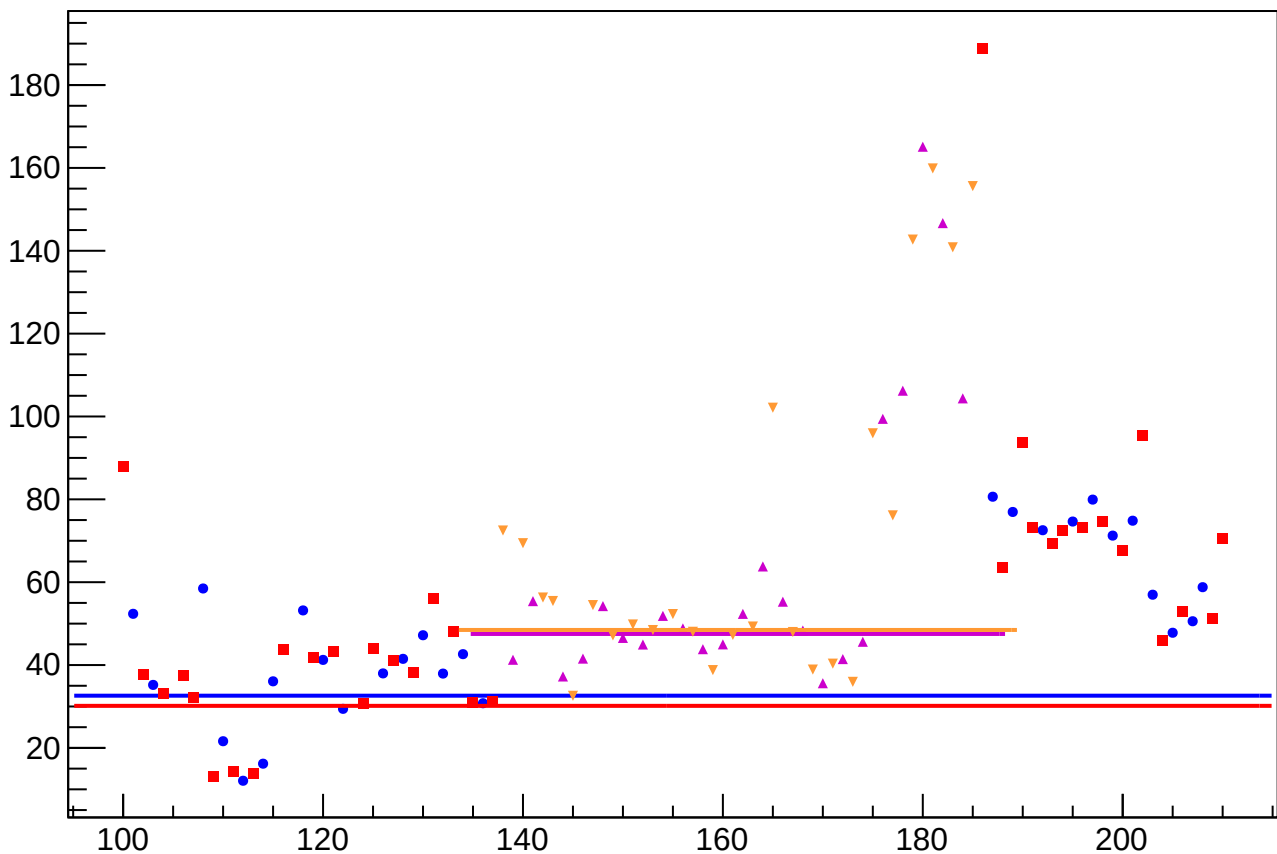
Left In: -0.007 $\pm$ 0.012 χ^2 /NDF: 23.2/22

+ sign 0.002 $\pm$ 0.008 χ^2 /NDF: 58.5/51

All: 0.001 $\pm$ 0.005 χ^2 /NDF: 151.0/107

- sign 0.000 $\pm$ 0.007 χ^2 /NDF: 92.4/55

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 32.605 $\pm$ 0.007 χ^2 /NDF: 7846704.3/26

Left Out: 48.471 $\pm$ 0.008 χ^2 /NDF: 4373775.4/24

Right Out: 30.152 $\pm$ 0.006 χ^2 /NDF: 10628117.1/32

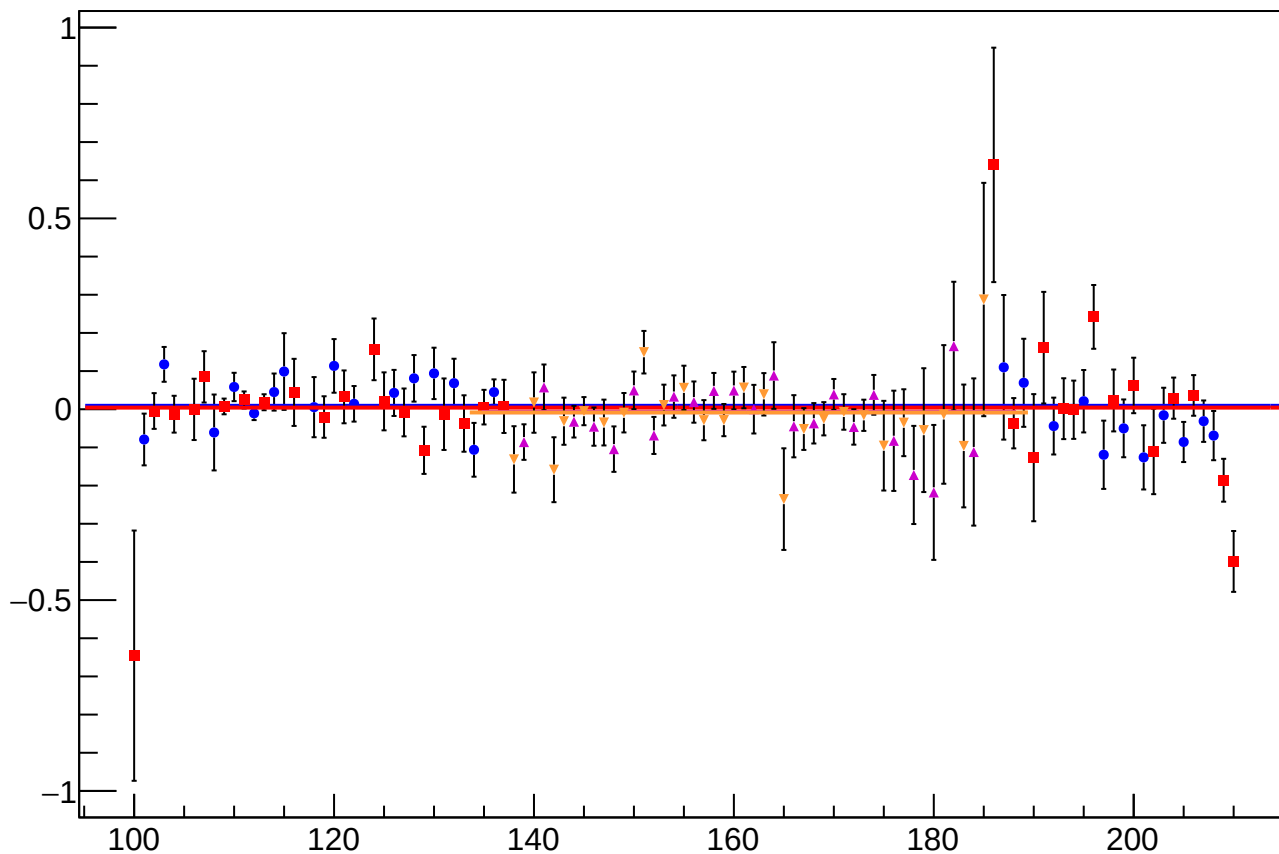
Left In: 47.505 $\pm$ 0.009 χ^2 /NDF: 3075116.0/22

+ sign 39.038 $\pm$ 0.005 χ^2 /NDF: 14296631.8/51

All: 37.538 $\pm$ 0.004 χ^2 /NDF: 30845520.8/107

- sign 36.235 $\pm$ 0.005 χ^2 /NDF: 16404995.5/55

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.010 χ^2 /NDF: 34.1/26

Left Out: -0.008 $\pm$ 0.012 χ^2 /NDF: 23.2/24

Right Out: 0.004 $\pm$ 0.009 χ^2 /NDF: 68.6/32

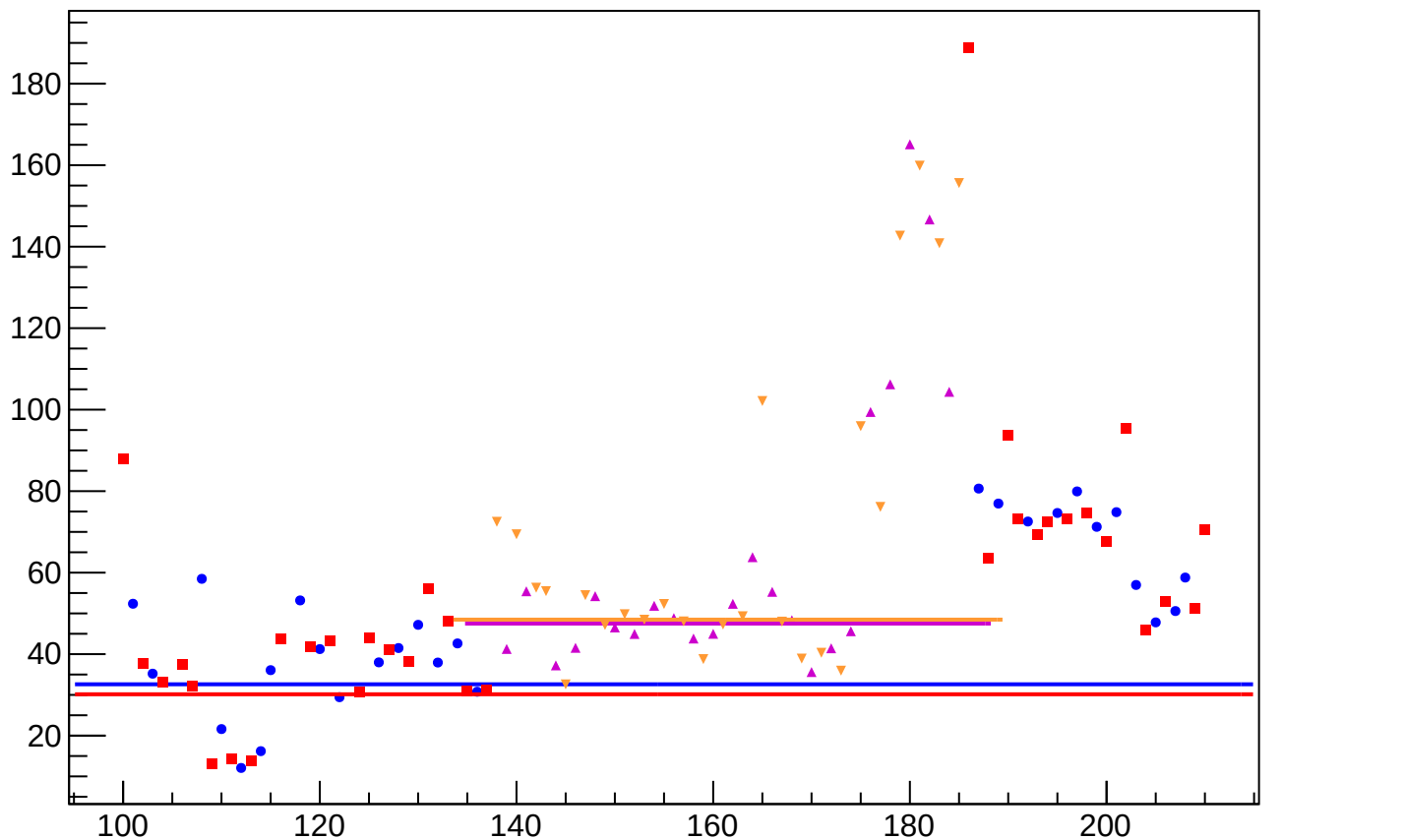
Left In: -0.007 $\pm$ 0.012 χ^2 /NDF: 23.2/22

+ sign 0.002 $\pm$ 0.008 χ^2 /NDF: 58.5/51

All: 0.001 $\pm$ 0.005 χ^2 /NDF: 151.0/107

- sign 0.000 $\pm$ 0.007 χ^2 /NDF: 92.4/55

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.605+/-0.007 χ^2/NDF : 7846704.3/26

Left Out: 48.471+/-0.008 χ^2/NDF : 4373775.4/24

Right Out: 30.152+/-0.006 χ^2/NDF : 10628117.1/32

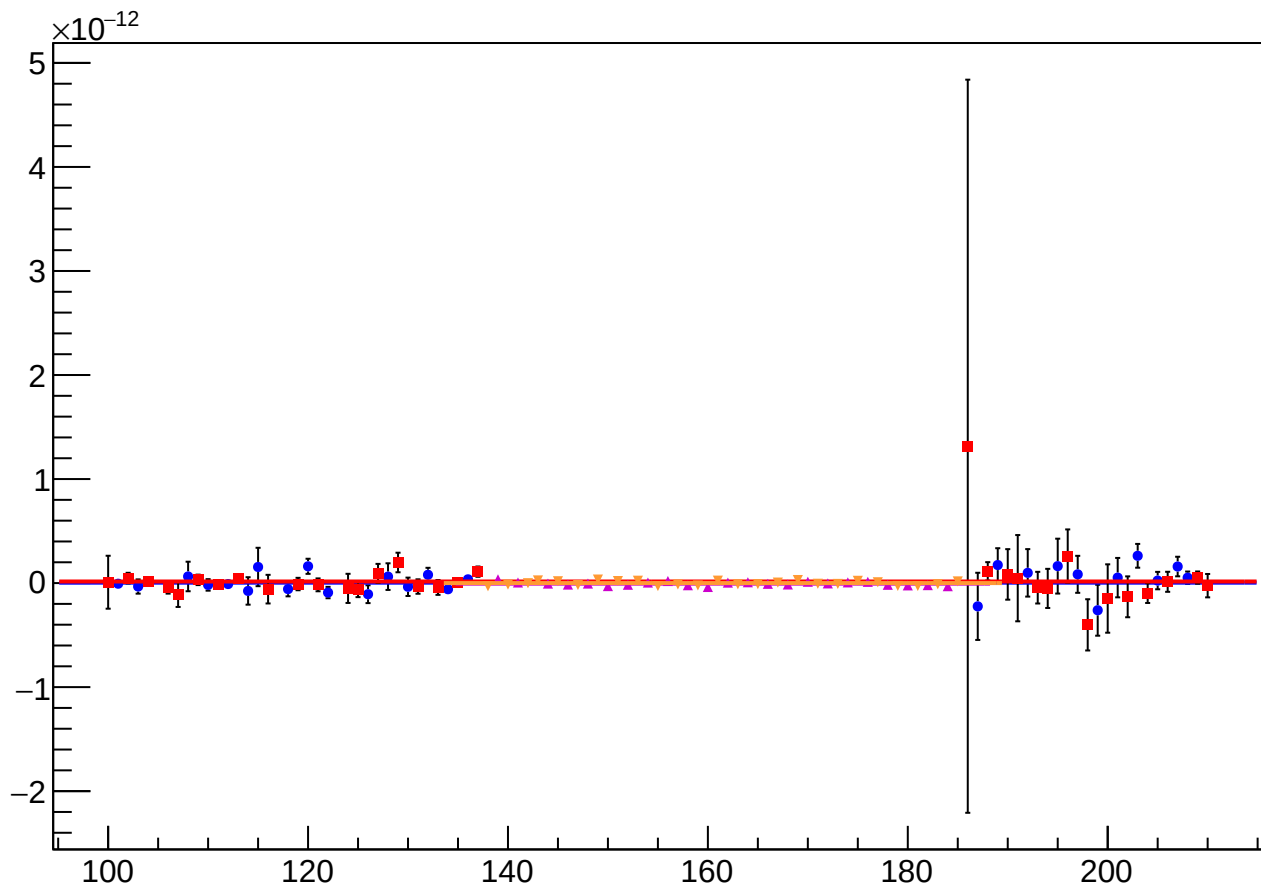
Left In: 47.505+/-0.009 χ^2/NDF : 3075116.0/22

+ sign 39.038+/-0.005 χ^2/NDF : 14296631.8/51

All: 37.538+/-0.004 χ^2/NDF : 30845520.8/107

- sign 36.235+/-0.005 χ^2/NDF : 16404995.5/55

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.5/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:31.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/32

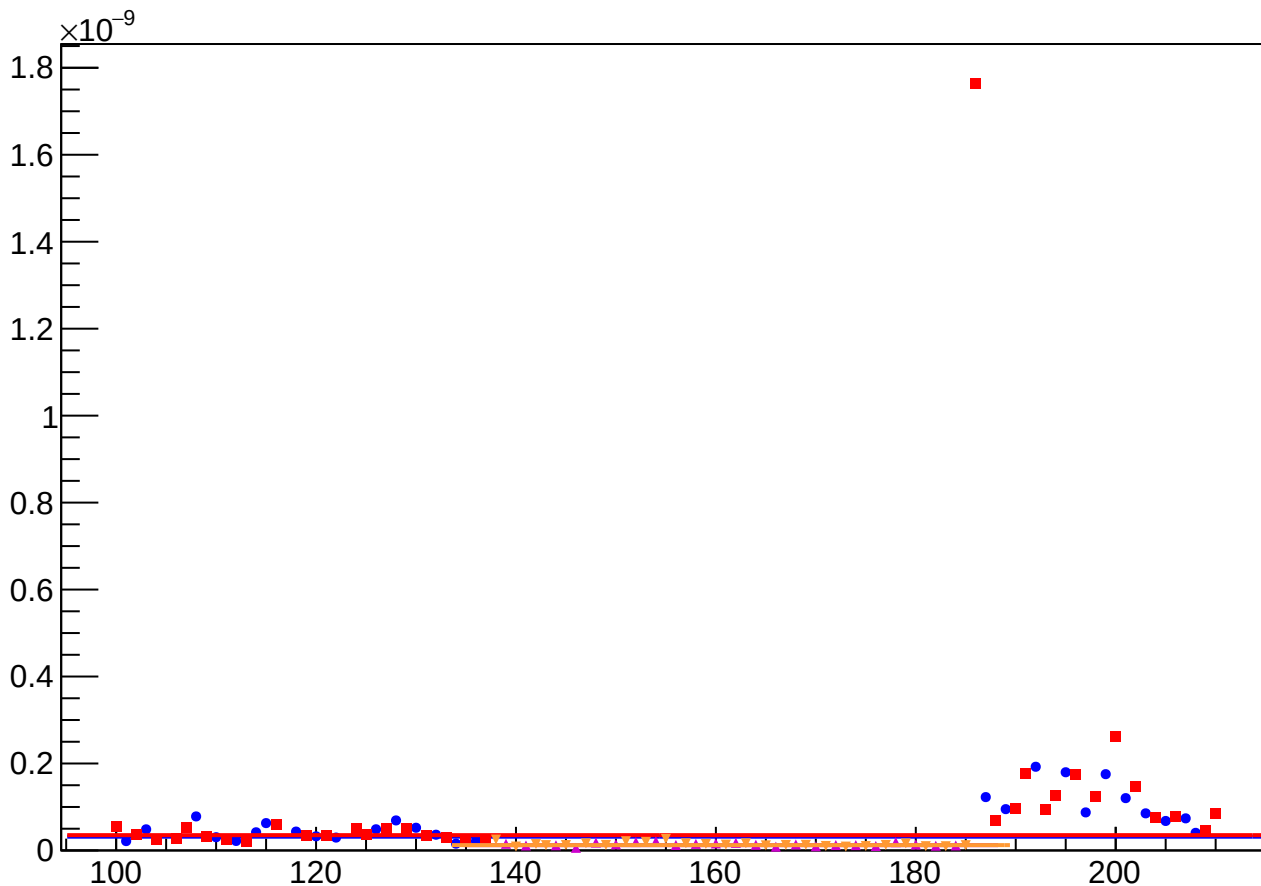
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:19.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 63.0/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 108.7/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 44.9/55

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6695913.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1915201.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6937588.6/32

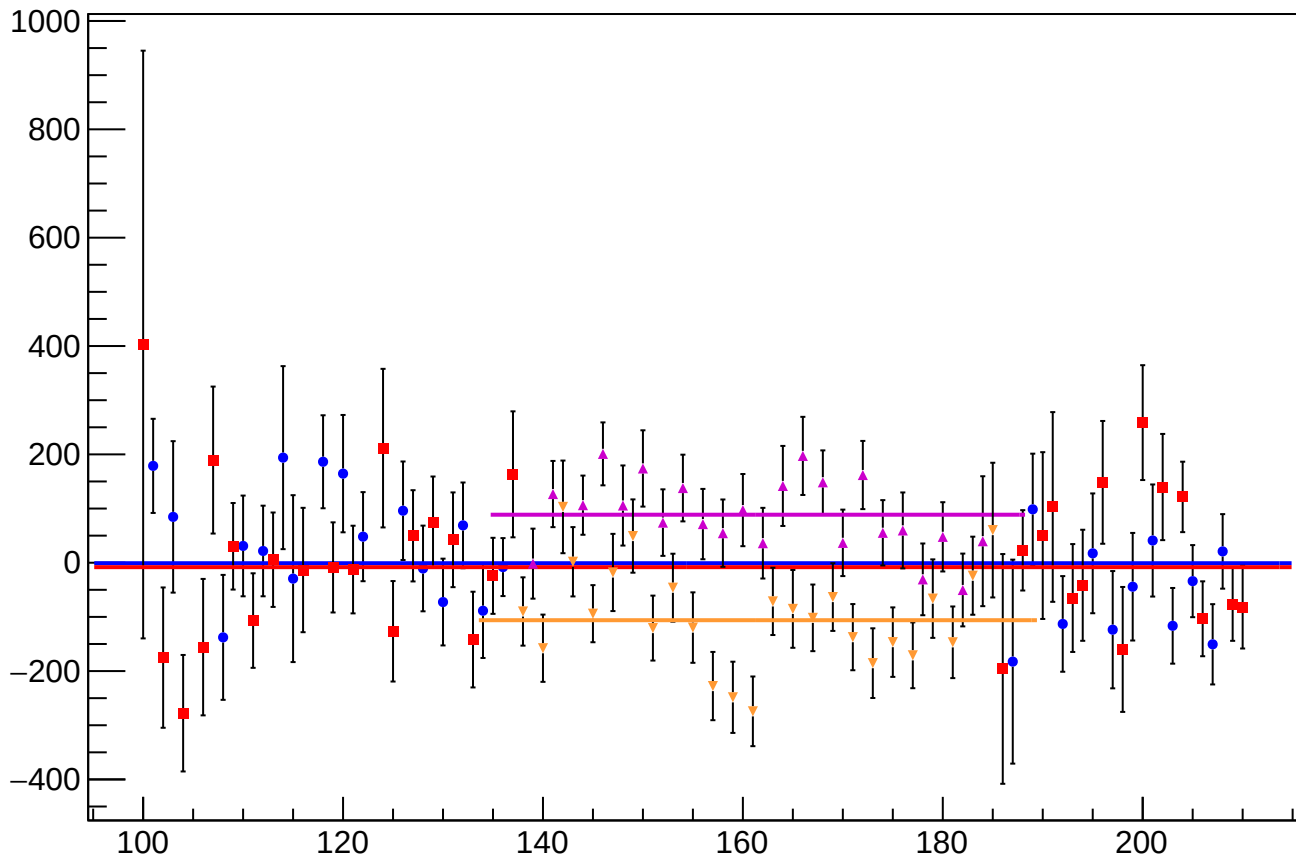
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1925839.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13441755.5/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 28681866.9/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15235554.4/55

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -0.912 ± 16.955 χ^2/NDF : 31.1/26

Left Out: -106.100 ± 13.089 χ^2/NDF : 40.7/24

Right Out: -8.194 ± 16.440 χ^2/NDF : 45.8/32

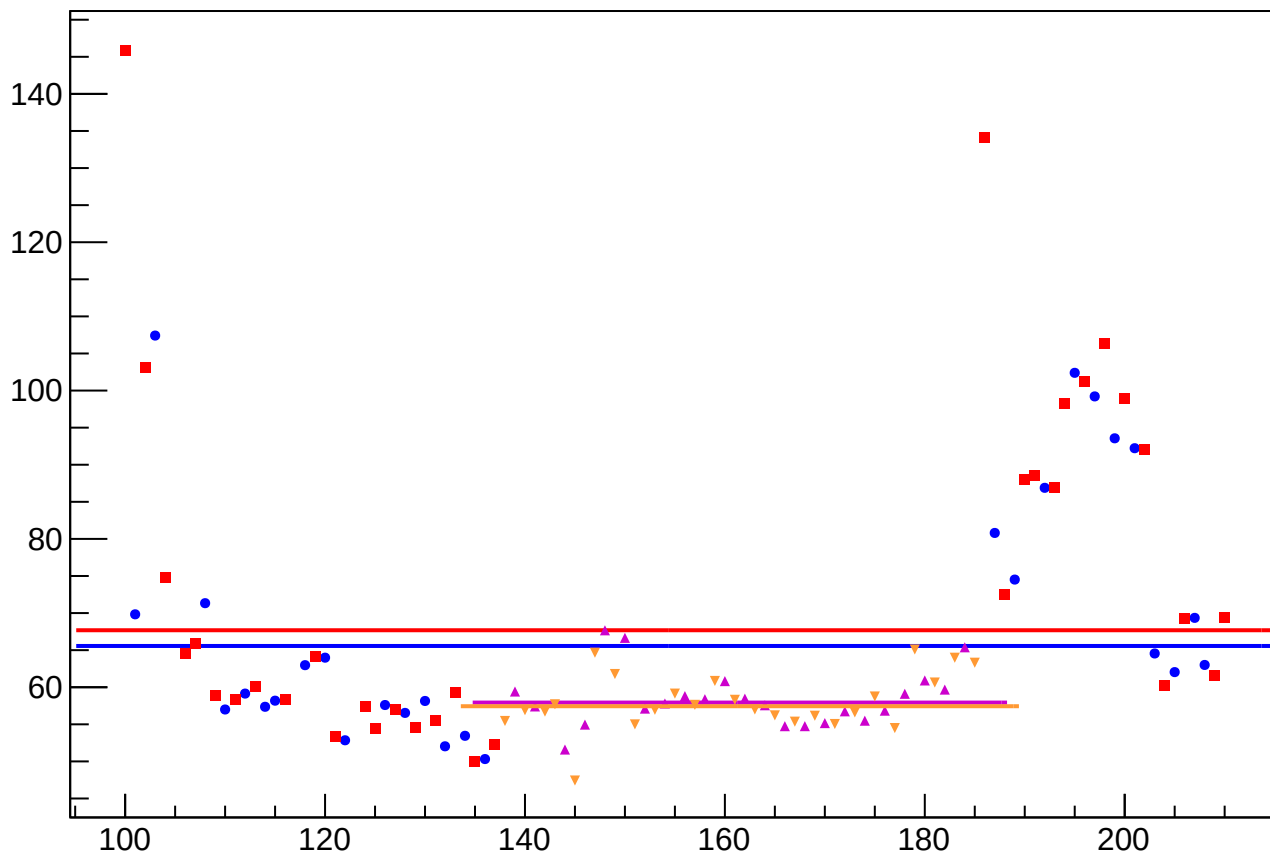
Left In: 88.619 ± 13.566 χ^2/NDF : 23.9/22

+ sign -66.820 ± 10.361 χ^2/NDF : 95.9/51

All: -9.283 ± 7.362 χ^2/NDF : 248.5/107

- sign 49.399 ± 10.463 χ^2/NDF : 90.3/55

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.564 $\pm$ 0.012 χ^2 /NDF: 1461190.7/26

Left Out: 57.440 $\pm$ 0.009 χ^2 /NDF:174555.9/24

Right Out: 67.684 $\pm$ 0.012 χ^2 /NDF: 1956867.2/32

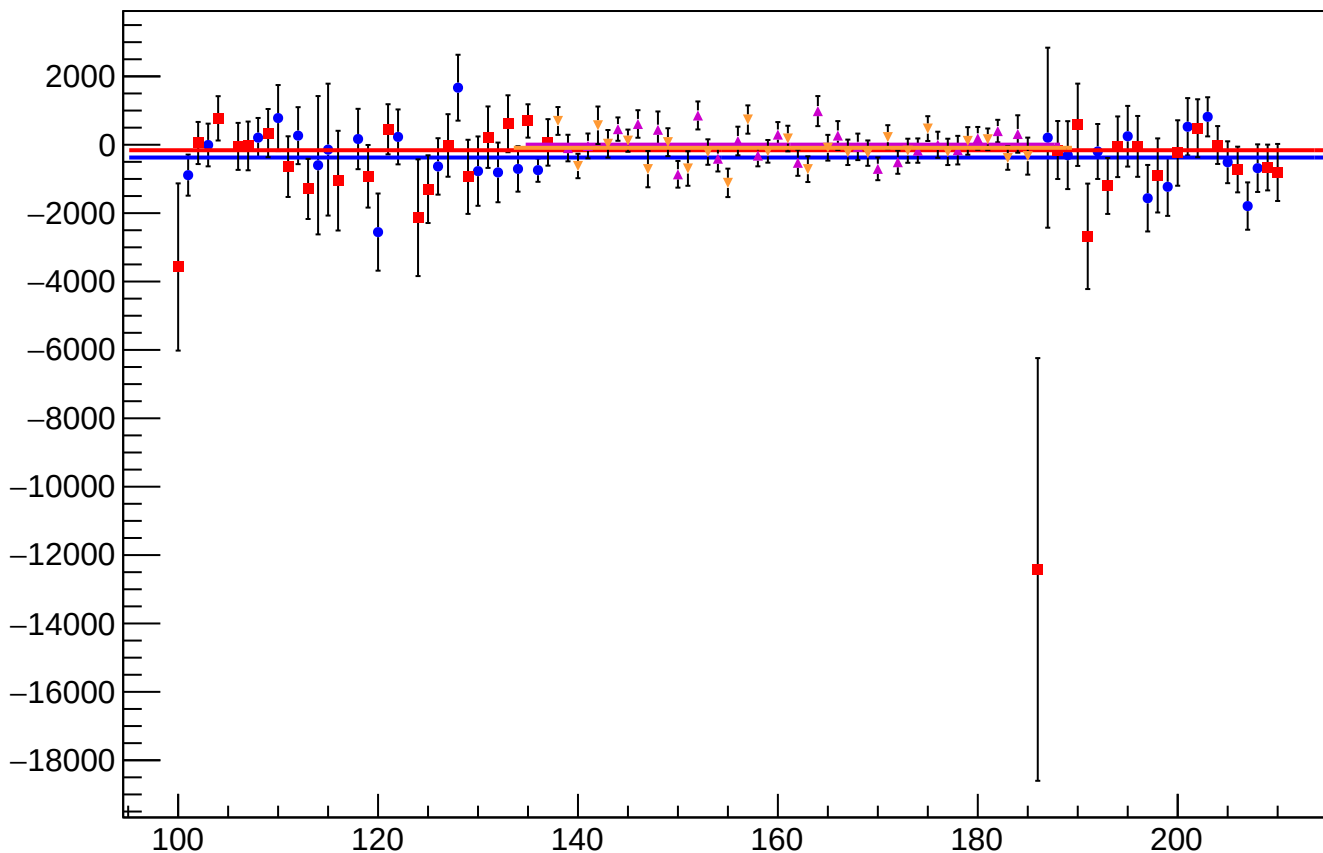
Left In: 57.933 $\pm$ 0.010 χ^2 /NDF:135903.0/22

+ sign 60.474 $\pm$ 0.007 χ^2 /NDF: 1923471.5/51

All: 61.172 $\pm$ 0.005 χ^2 /NDF: 4453208.4/107

- sign 61.883 $\pm$ 0.007 χ^2 /NDF: 2511419.9/55

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -373.371 ± 143.790 χ^2/NDF : 28.3/26

Left Out: -89.059 ± 77.011 χ^2/NDF : 29.9/24

Right Out: -160.163 ± 143.017 χ^2/NDF : 27.5/32

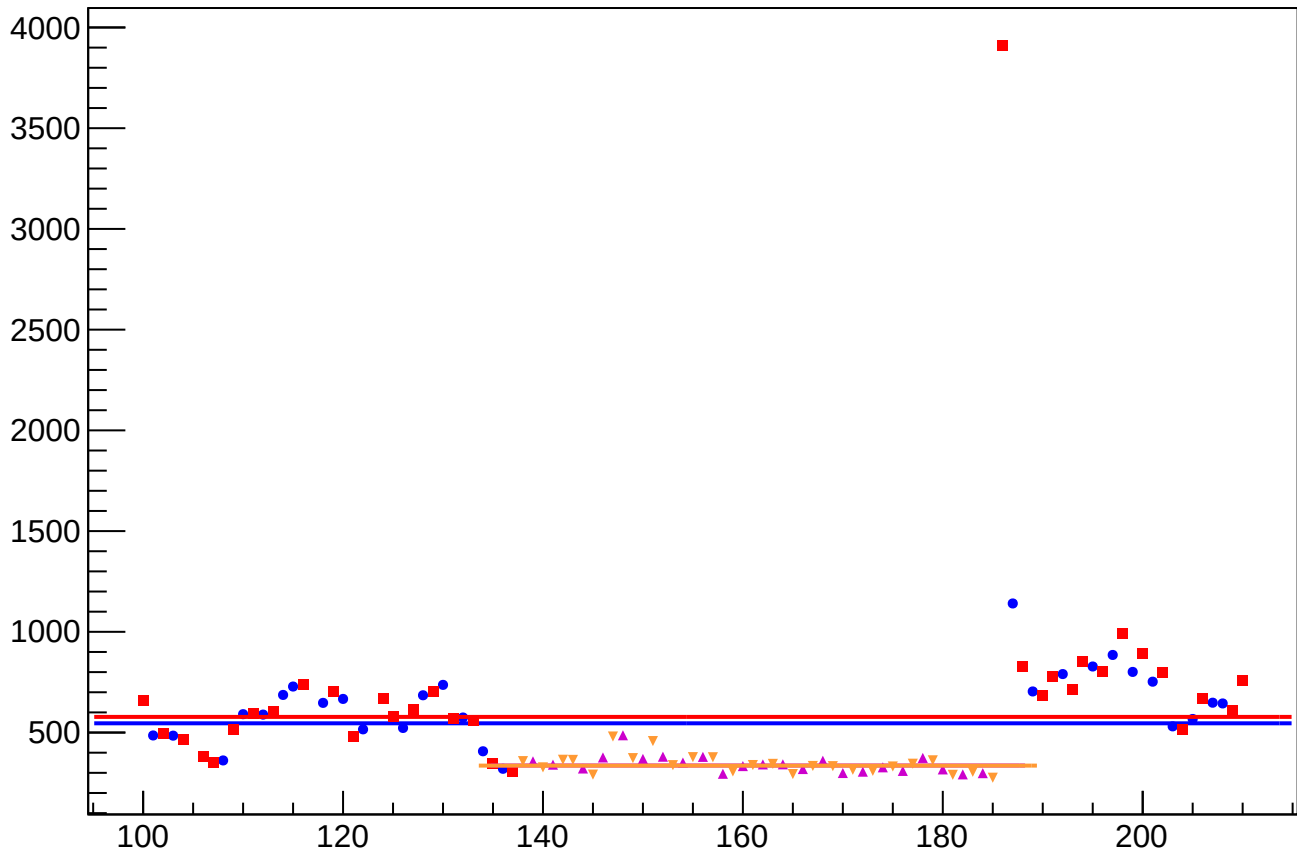
Left In: 3.046 ± 79.193 χ^2/NDF : 33.6/22

+ sign -152.433 ± 67.888 χ^2/NDF : 61.2/51

All: -95.034 ± 48.489 χ^2/NDF : 124.8/107

- sign -35.254 ± 69.281 χ^2/NDF : 62.1/55

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 545.859+/-0.102 χ^2/NDF : 2583200.2/26

Left Out: 335.894+/-0.054 χ^2/NDF : 533835.0/24

Right Out: 577.655+/-0.101 χ^2/NDF : 3368273.6/32

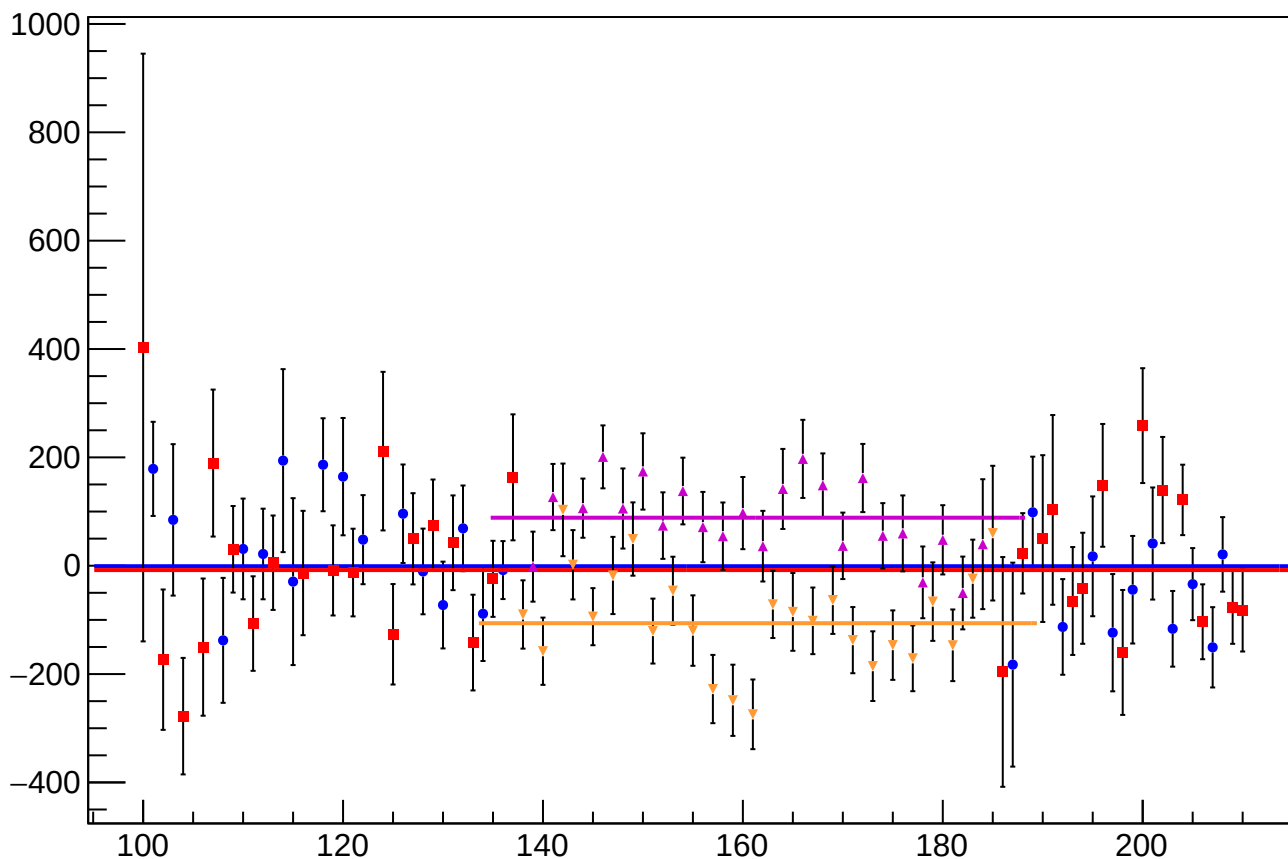
Left In: 336.343+/-0.056 χ^2/NDF : 414202.1/22

+ sign 382.696+/-0.048 χ^2/NDF : 6430907.5/51

All: 387.729+/-0.034 χ^2/NDF : 14593541.6/10

- sign 392.971+/-0.049 χ^2/NDF : 8140195.7/55

cor_asym_sam_13_57_dd_mean vs Slug



Right In: -0.917 ± 16.955 χ^2/NDF : 31.1/26

Left Out: -106.099 ± 13.089 χ^2/NDF : 40.7/24

Right Out: -8.040 ± 16.441 χ^2/NDF : 45.6/32

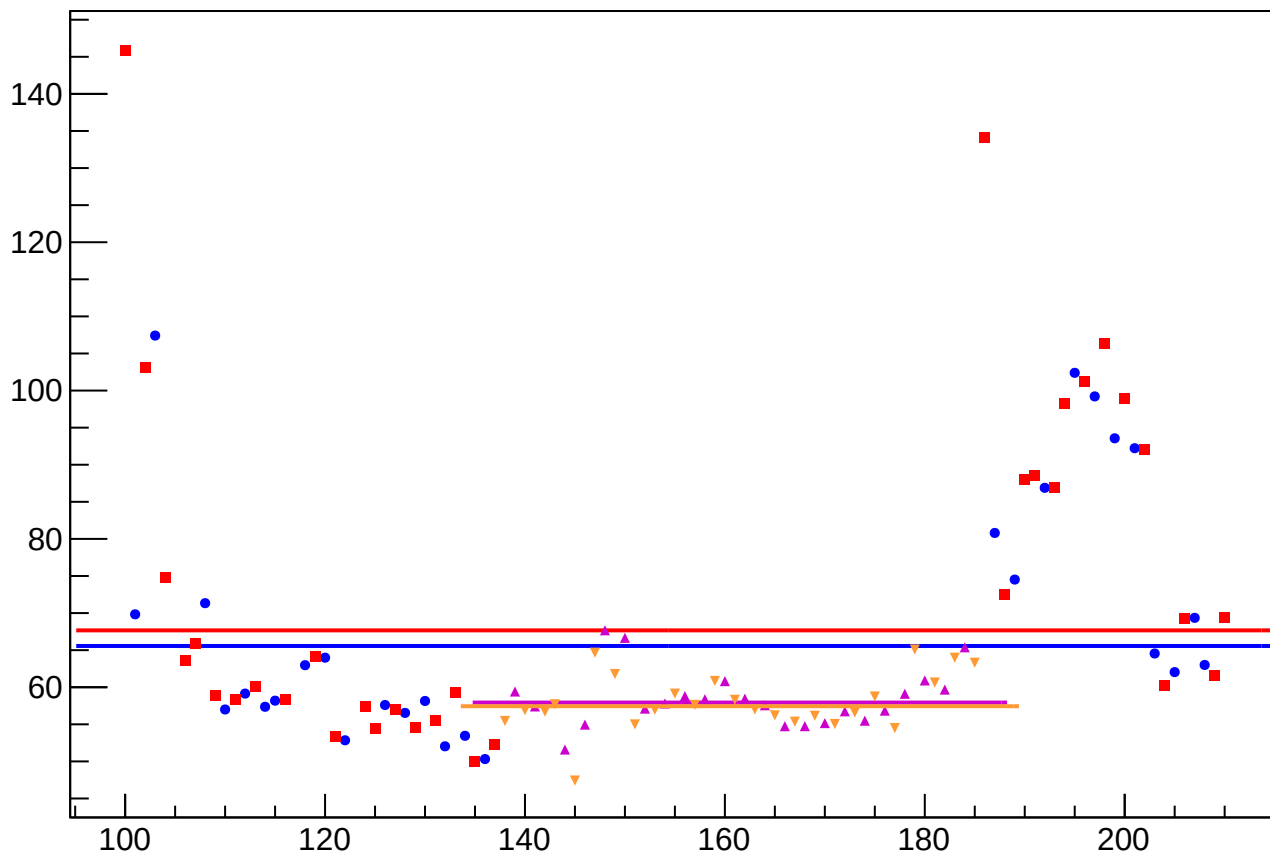
Left In: 88.621 ± 13.566 χ^2/NDF : 23.9/22

+ sign -66.822 ± 10.361 χ^2/NDF : 95.9/51

All: -9.252 ± 7.362 χ^2/NDF : 248.4/107

- sign 49.468 ± 10.464 χ^2/NDF : 90.1/55

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.564 $\pm$ 0.012 χ^2 /NDF: 1461192.7/26

Left Out: 57.440 $\pm$ 0.009 χ^2 /NDF:174555.9/24

Right Out: 67.669 $\pm$ 0.012 χ^2 /NDF: 1957947.6/32

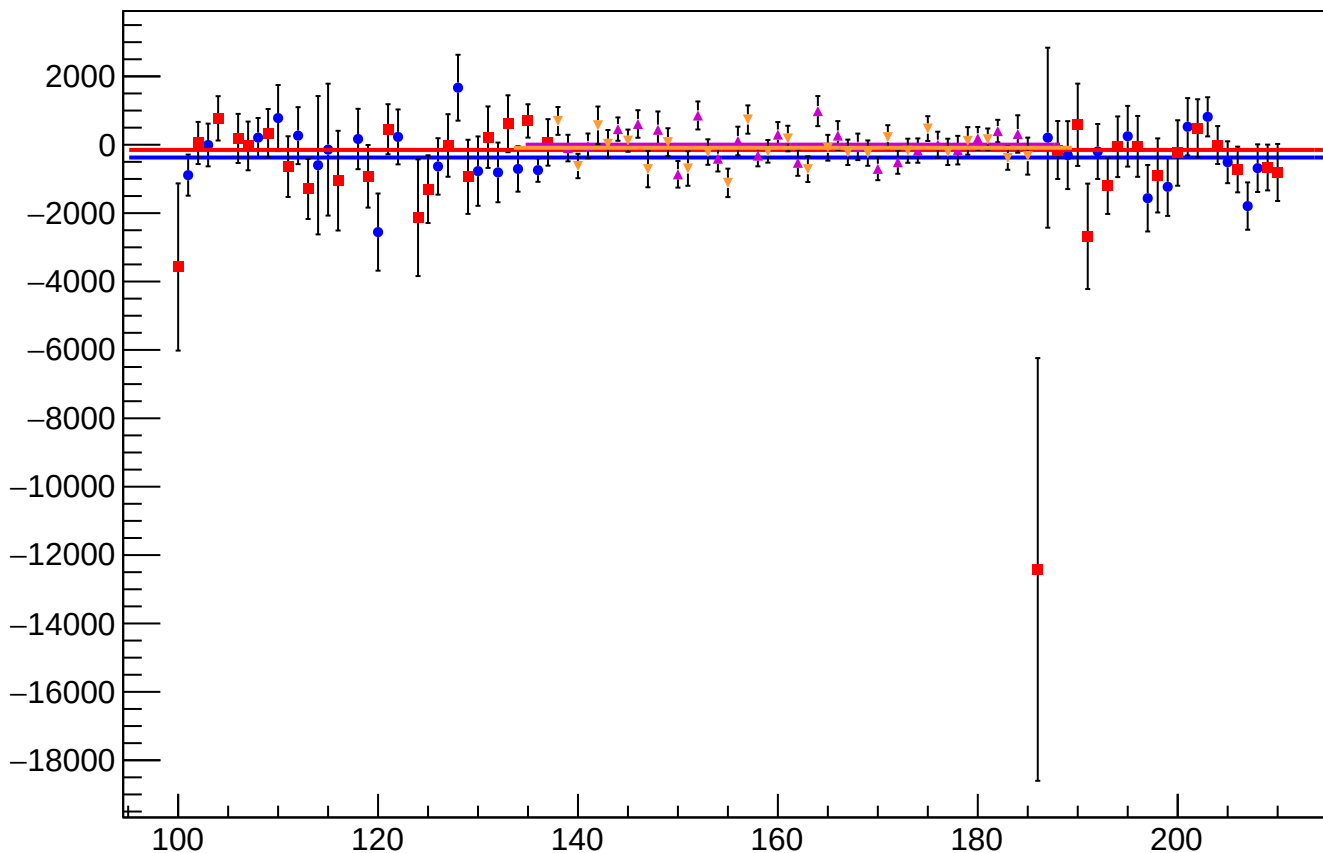
Left In: 57.933 $\pm$ 0.010 χ^2 /NDF:135903.0/22

+ sign 60.474 $\pm$ 0.007 χ^2 /NDF: 1923473.6/51

All: 61.168 $\pm$ 0.005 χ^2 /NDF: 4452699.7/107

- sign 61.876 $\pm$ 0.007 χ^2 /NDF: 2511088.8/55

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -373.351 ± 143.791 χ^2/NDF : 28.3/26

Left Out: -89.061 ± 77.011 χ^2/NDF : 29.9/24

Right Out: -151.326 ± 143.286 χ^2/NDF : 27.7/32

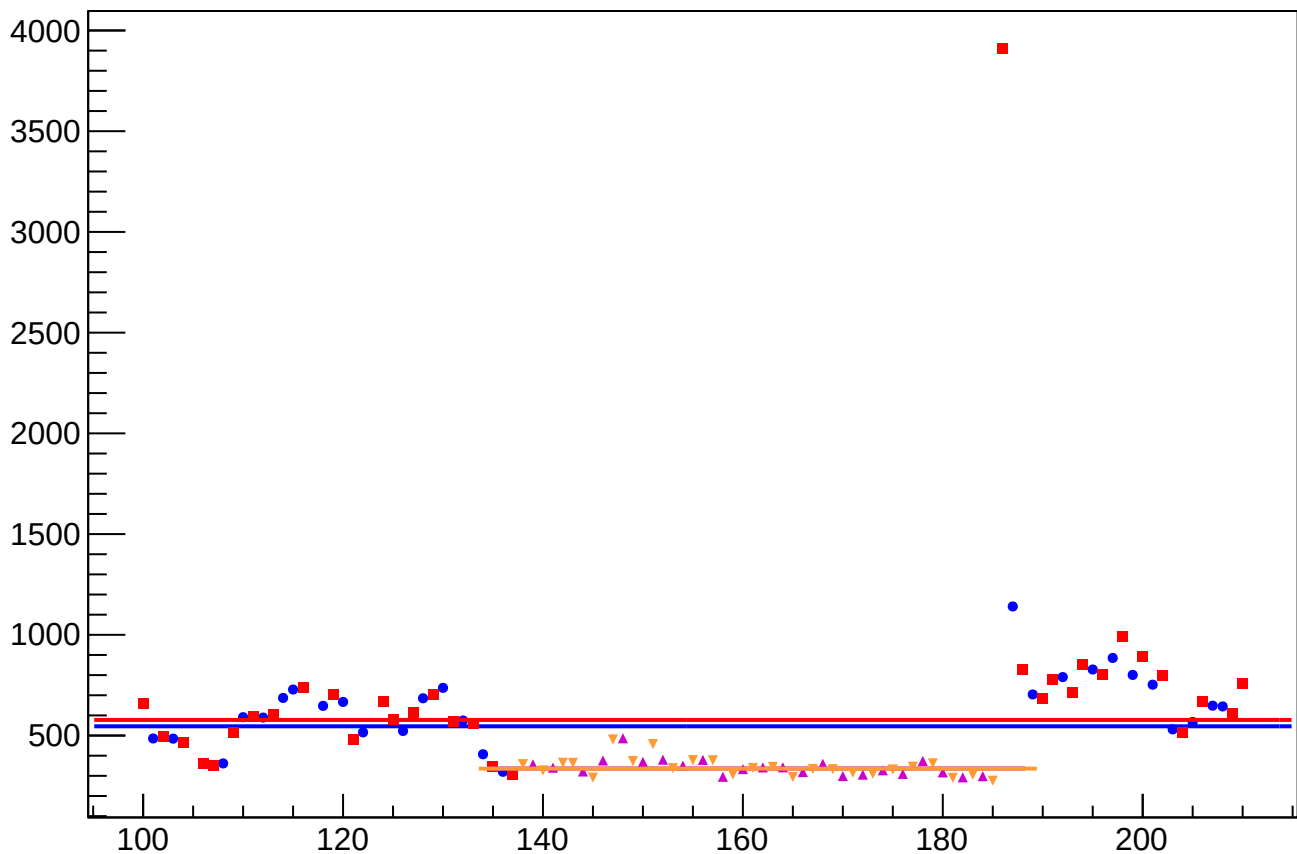
Left In: 3.047 ± 79.193 χ^2/NDF : 33.6/22

+ sign -152.430 ± 67.888 χ^2/NDF : 61.2/51

All: -93.991 ± 48.499 χ^2/NDF : 124.9/107

- sign -33.075 ± 69.311 χ^2/NDF : 62.2/55

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 545.861+/-0.102 χ^2/NDF : 2583173.3/26

Left Out: 335.894+/-0.054 χ^2/NDF : 533835.9/24

Right Out: 577.572+/-0.101 χ^2/NDF : 3387628.8/32

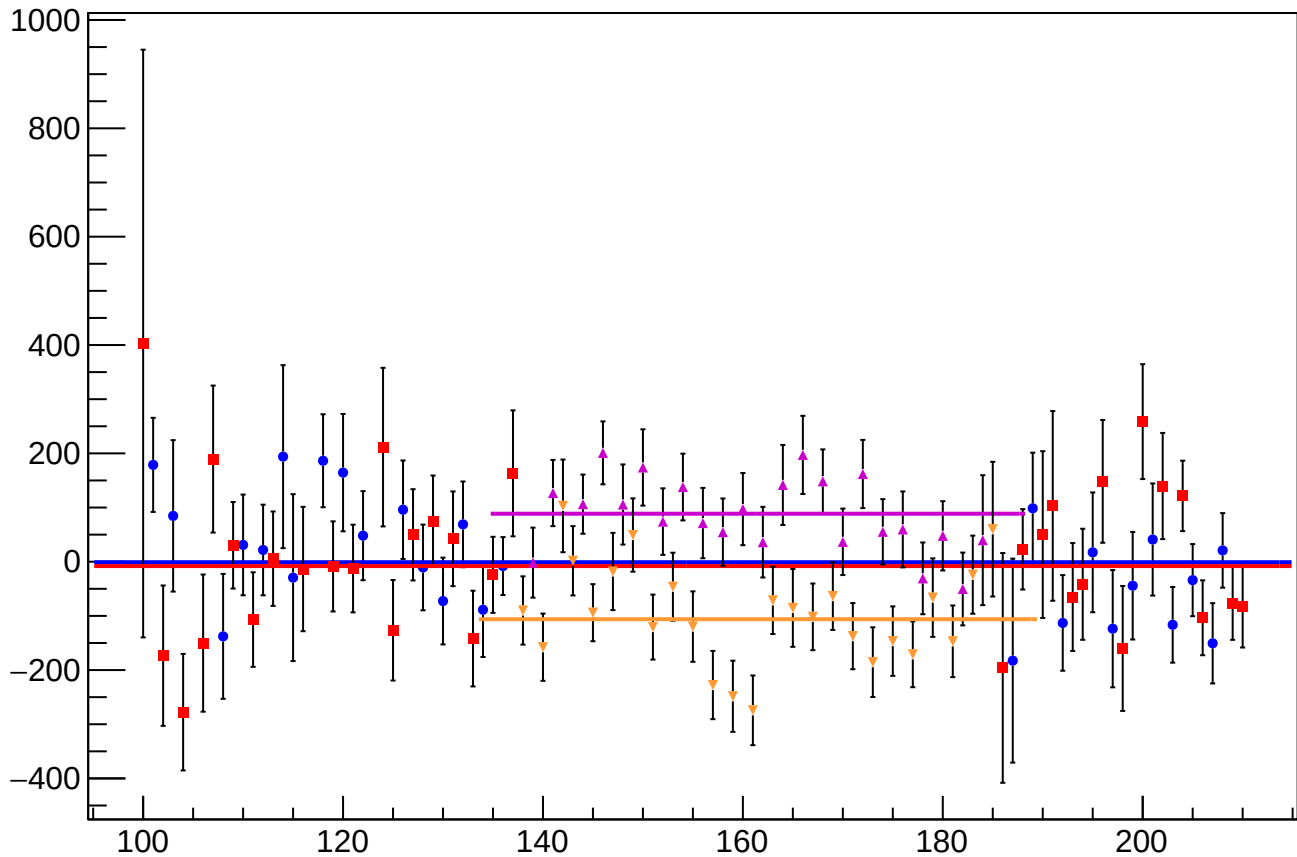
Left In: 336.343+/-0.056 χ^2/NDF : 414205.9/22

+ sign 382.697+/-0.048 χ^2/NDF : 6430932.4/51

All: 387.638+/-0.034 χ^2/NDF : 14596654.5/10

- sign 392.789+/-0.049 χ^2/NDF : 8144082.2/55

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: -0.917 ± 16.955 χ^2/NDF : 31.1/26

Left Out: -106.099 ± 13.089 χ^2/NDF : 40.7/24

Right Out: -8.040 ± 16.441 χ^2/NDF : 45.6/32

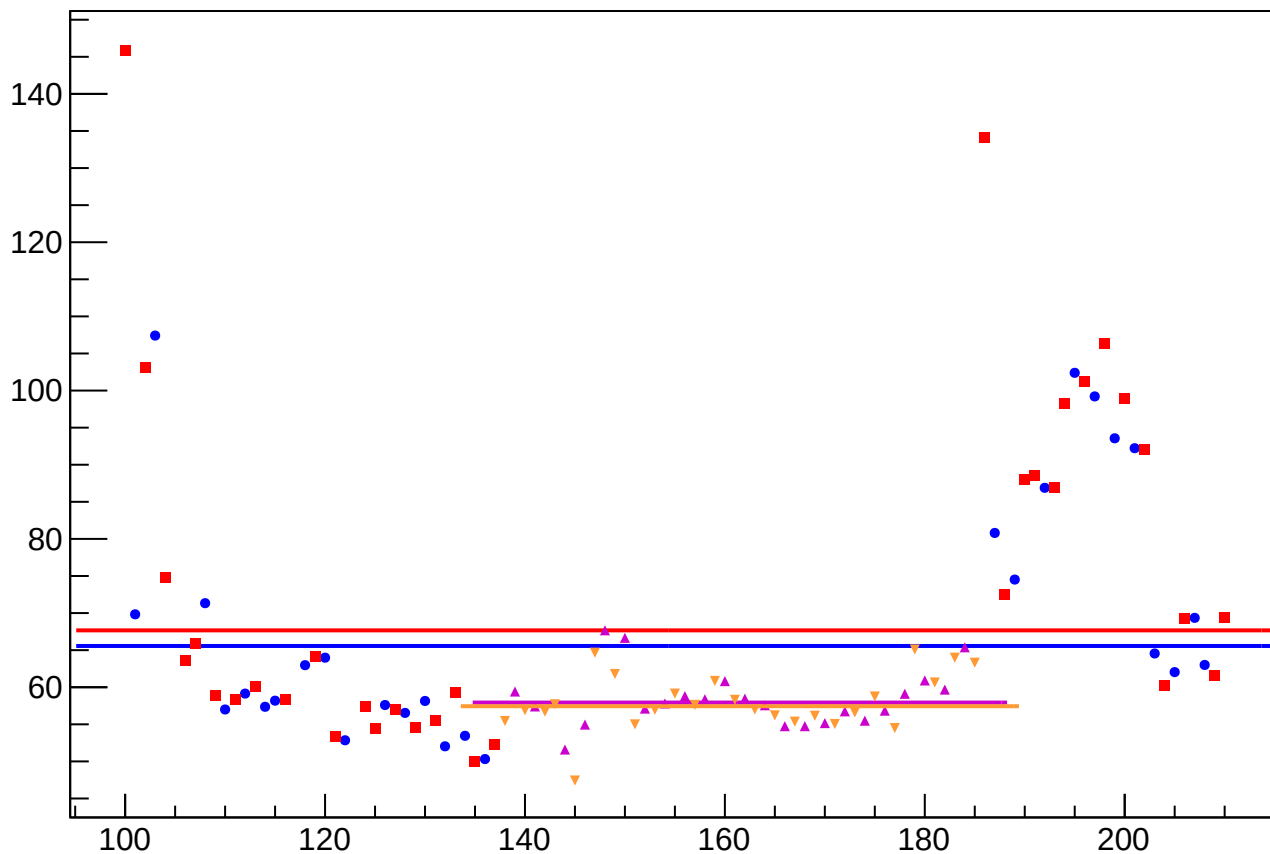
Left In: 88.621 ± 13.566 χ^2/NDF : 23.9/22

+ sign -66.822 ± 10.361 χ^2/NDF : 95.9/51

All: -9.252 ± 7.362 χ^2/NDF : 248.4/107

- sign 49.468 ± 10.464 χ^2/NDF : 90.1/55

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.564+/-0.012 χ^2/NDF : 1461192.7/26

Left Out: 57.440+/-0.009 χ^2/NDF : 174555.9/24

Right Out: 67.669+/-0.012 χ^2/NDF : 1957947.6/32

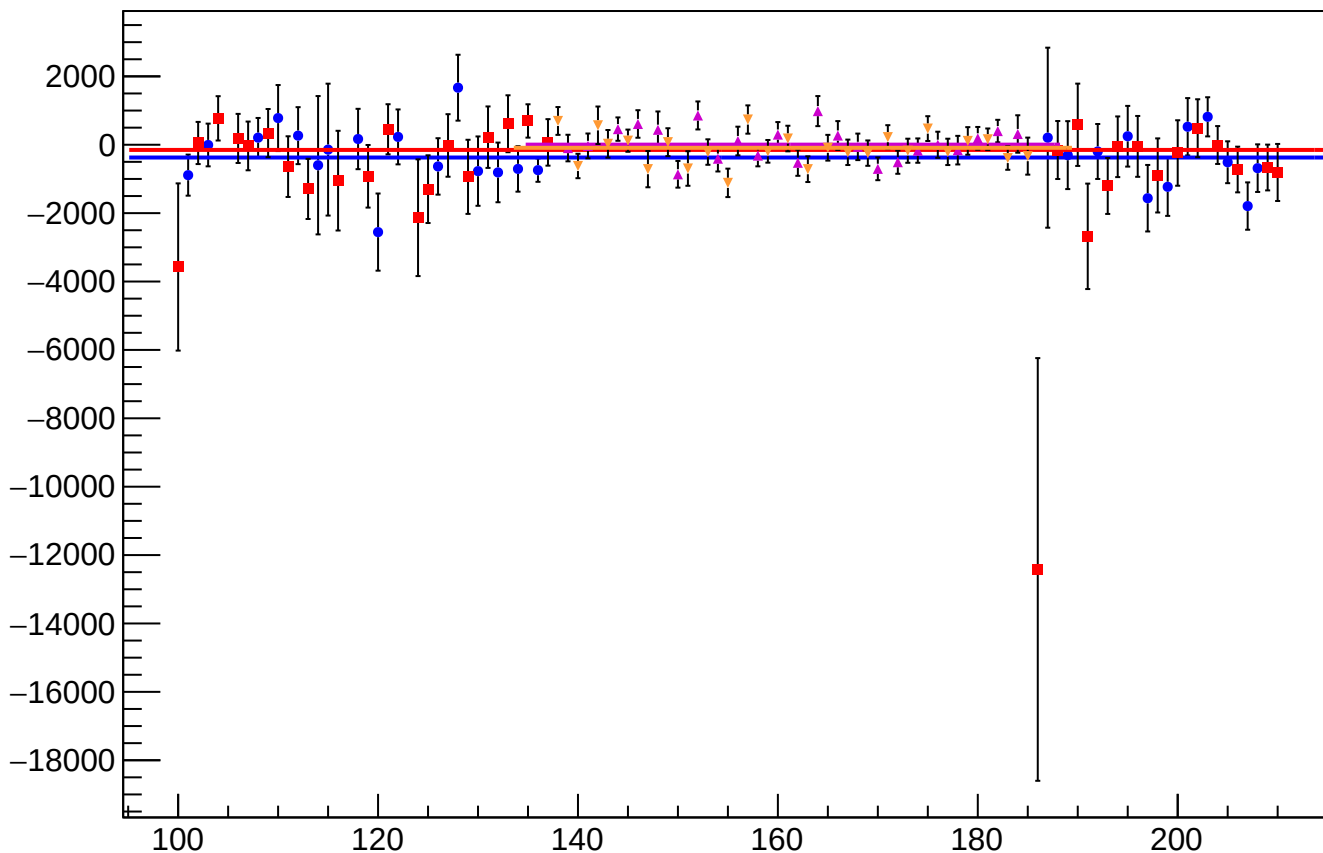
Left In: 57.933+/-0.010 χ^2/NDF : 135903.0/22

+ sign 60.474+/-0.007 χ^2/NDF : 1923473.6/51

All: 61.168+/-0.005 χ^2/NDF : 4452699.7/107

- sign 61.876+/-0.007 χ^2/NDF : 2511088.8/55

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug



Right In: -373.351 ± 143.791 χ^2/NDF : 28.3/26

Left Out: -89.061 ± 77.011 χ^2/NDF : 29.9/24

Right Out: -151.326 ± 143.286 χ^2/NDF : 27.7/32

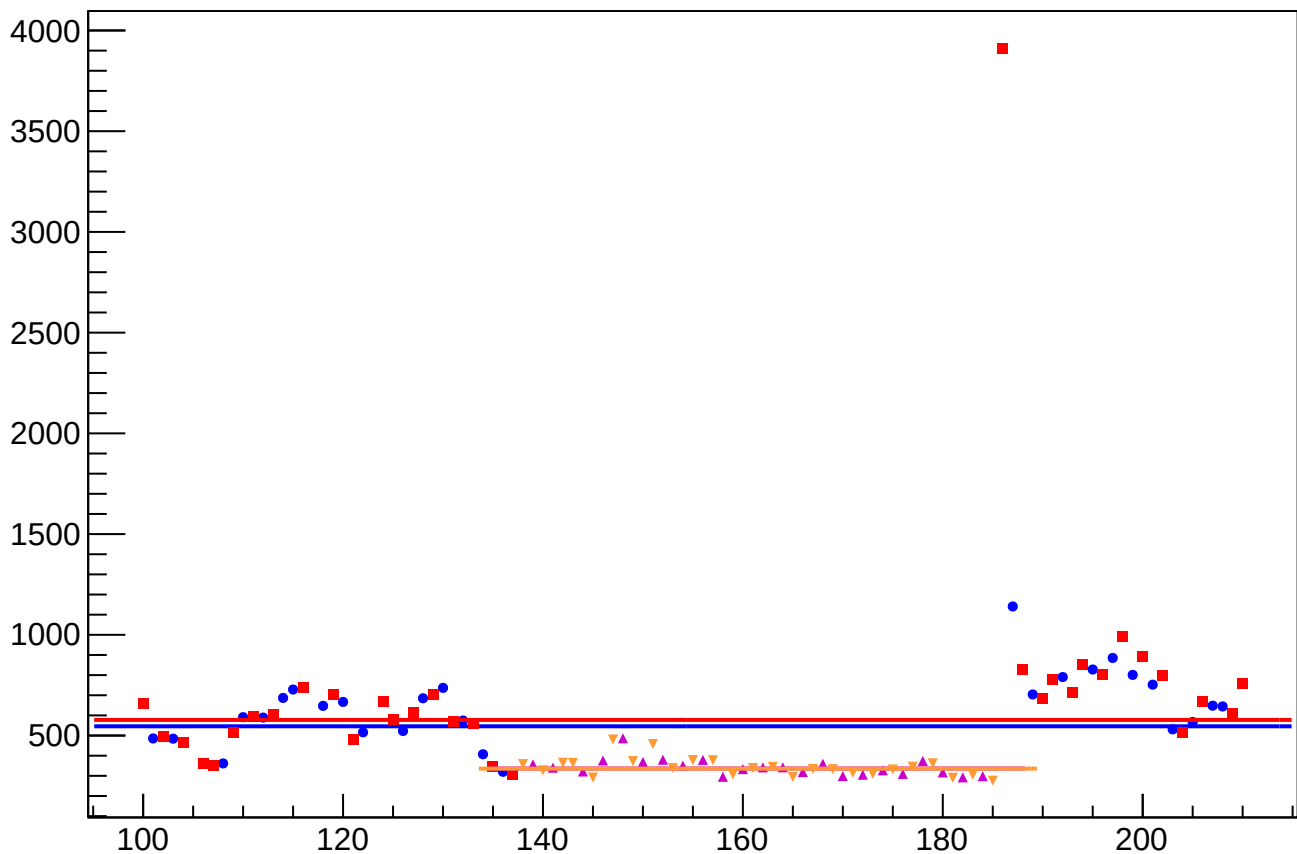
Left In: 3.047 ± 79.193 χ^2/NDF : 33.6/22

+ sign -152.430 ± 67.888 χ^2/NDF : 61.2/51

All: -93.991 ± 48.499 χ^2/NDF : 124.9/107

- sign -33.075 ± 69.311 χ^2/NDF : 62.2/55

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 545.861+/-0.102 χ^2/NDF : 2583173.3/26

Left Out: 335.894+/-0.054 χ^2/NDF : 533835.9/24

Right Out: 577.572+/-0.101 χ^2/NDF : 3387628.8/32

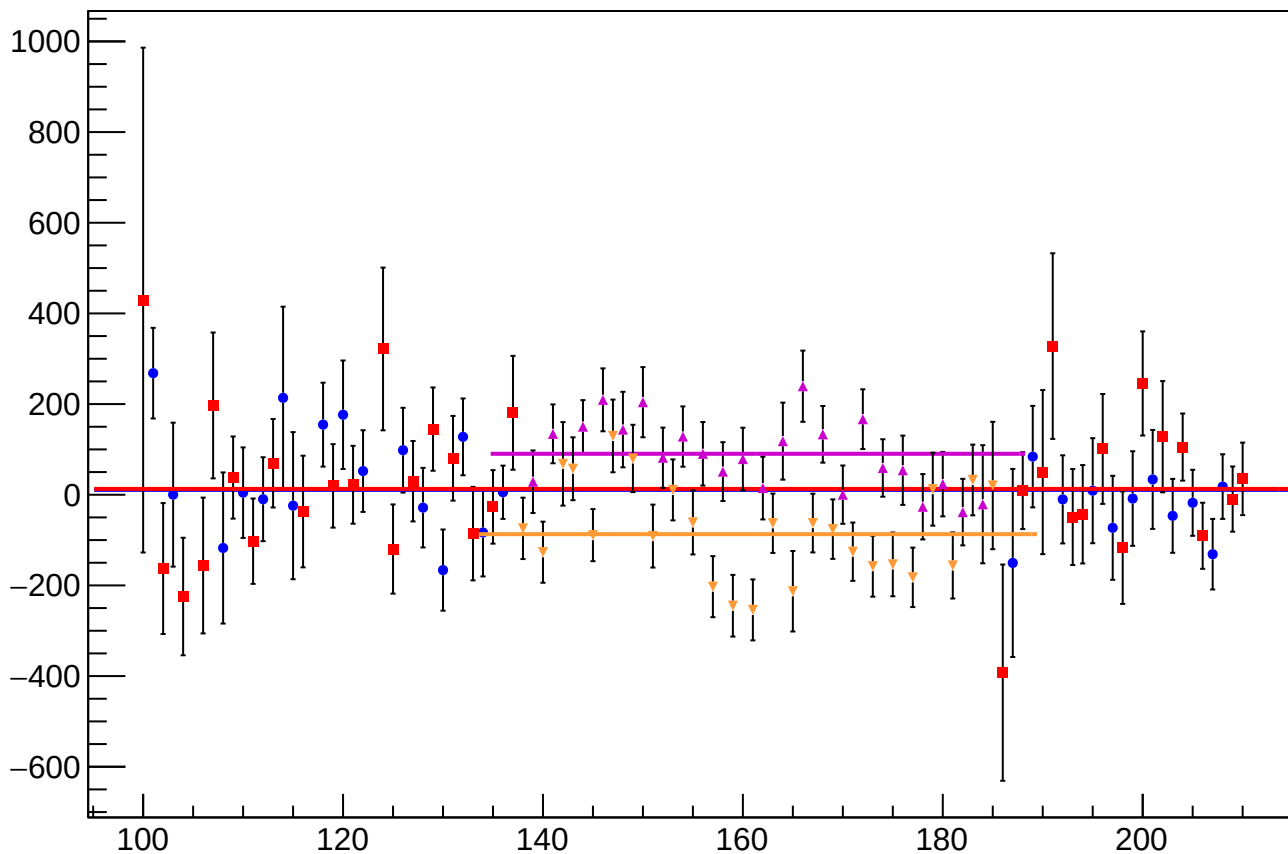
Left In: 336.343+/-0.056 χ^2/NDF : 414205.9/22

+ sign 382.697+/-0.048 χ^2/NDF : 6430932.4/51

All: 387.638+/-0.034 χ^2/NDF : 14596654.5/10

- sign 392.789+/-0.049 χ^2/NDF : 8144082.2/55

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 10.747 ± 18.550 χ^2/NDF : 26.4/26

Left Out: -86.957 ± 14.175 χ^2/NDF : 48.8/24

Right Out: 12.863 ± 18.142 χ^2/NDF : 36.7/32

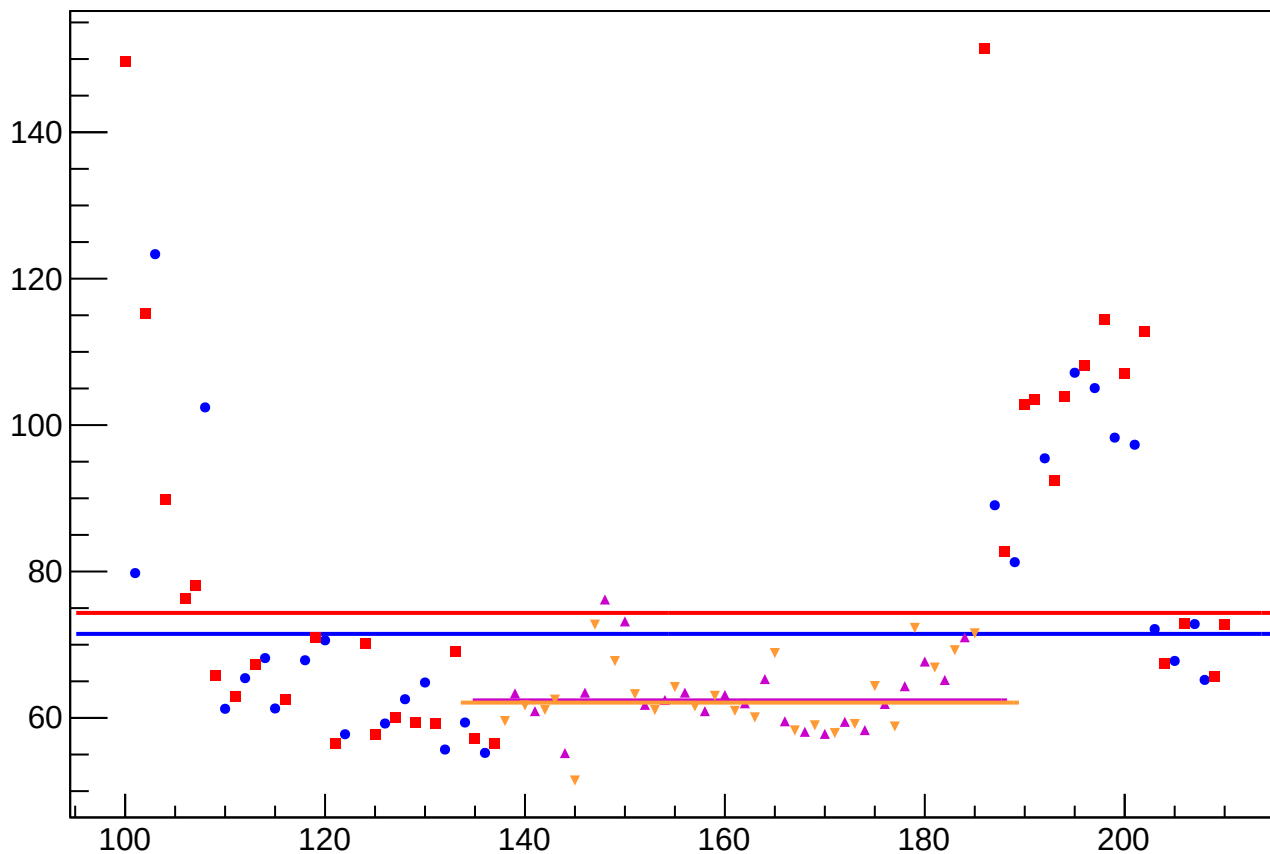
Left In: 90.363 ± 14.656 χ^2/NDF : 25.0/22

+ sign -50.939 ± 11.263 χ^2/NDF : 92.7/51

All: 3.735 ± 8.012 χ^2/NDF : 213.2/107

- sign 59.758 ± 11.401 χ^2/NDF : 72.7/55

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.478 $\pm$ 0.013 χ^2 /NDF: 1481311.7/26

Left Out: 62.093 $\pm$ 0.010 χ^2 /NDF:233343.0/24

Right Out: 74.344 $\pm$ 0.013 χ^2 /NDF: 2040167.8/32

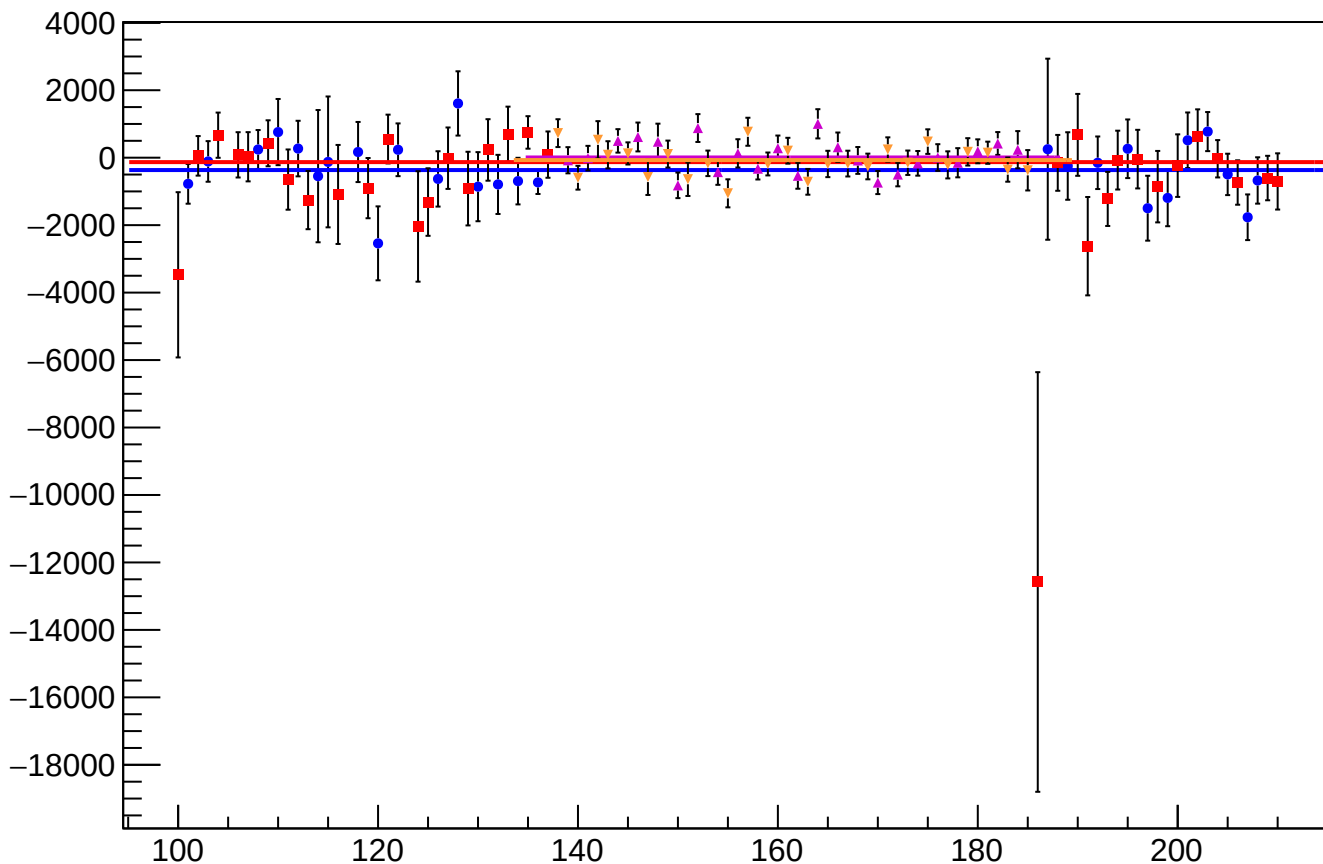
Left In: 62.395 $\pm$ 0.010 χ^2 /NDF:188814.3/22

+ sign 65.553 $\pm$ 0.008 χ^2 /NDF: 2037859.6/51

All: 66.324 $\pm$ 0.006 χ^2 /NDF: 4810719.8/107

- sign 67.114 $\pm$ 0.008 χ^2 /NDF: 2753891.9/55

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -366.875 ± 143.192 χ^2/NDF : 27.4/26

Left Out: -71.324 ± 78.399 χ^2/NDF : 28.6/24

Right Out: -131.262 ± 141.246 χ^2/NDF : 28.8/32

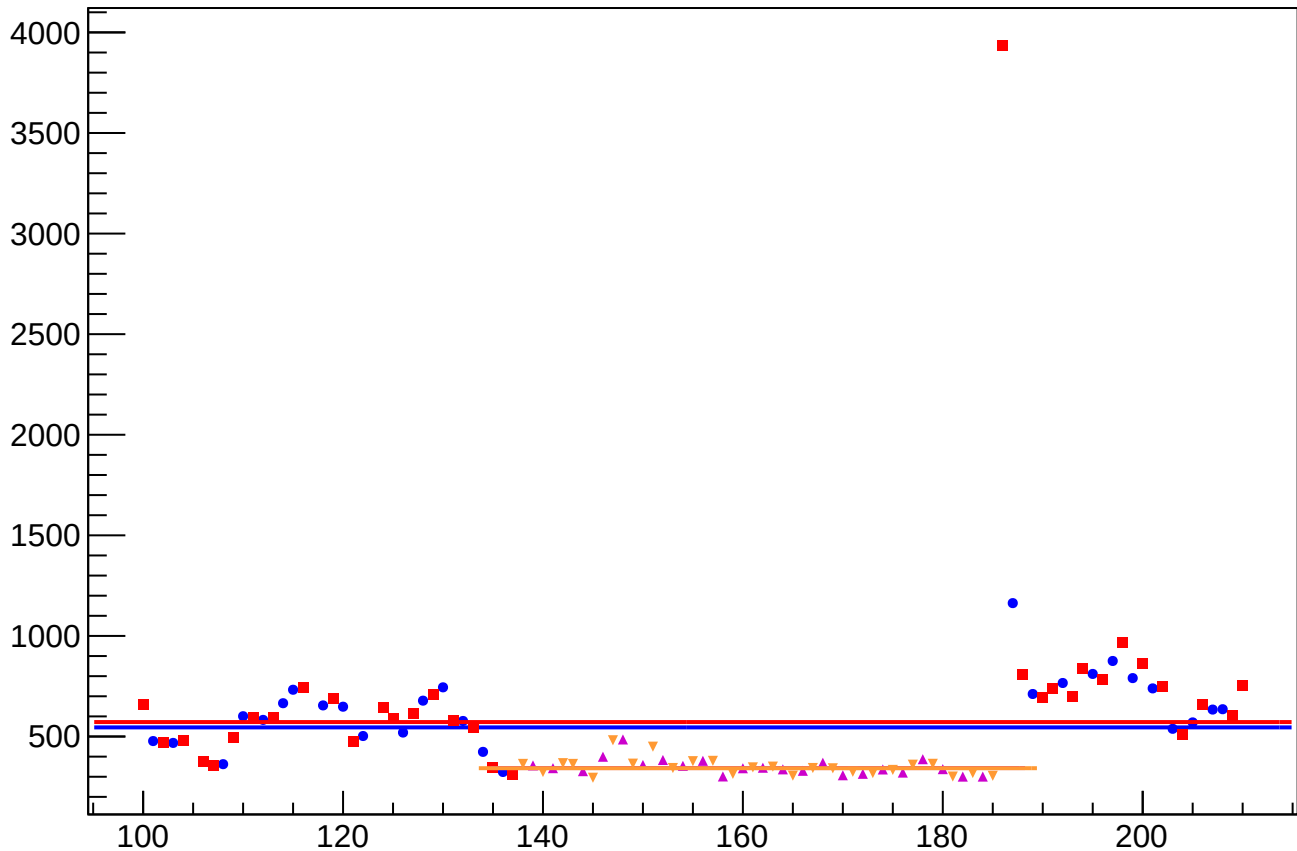
Left In: 6.134 ± 80.760 χ^2/NDF : 34.0/22

+ sign -139.488 ± 68.767 χ^2/NDF : 59.2/51

All: -84.683 ± 49.093 χ^2/NDF : 124.0/107

- sign -27.717 ± 70.109 χ^2/NDF : 63.5/55

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 545.334 $\pm$ 0.101 χ^2 /NDF: 2454999.0/26

Left Out: 342.502 $\pm$ 0.055 χ^2 /NDF: 434208.3/24

Right Out: 571.835 $\pm$ 0.100 χ^2 /NDF: 3233838.3/32

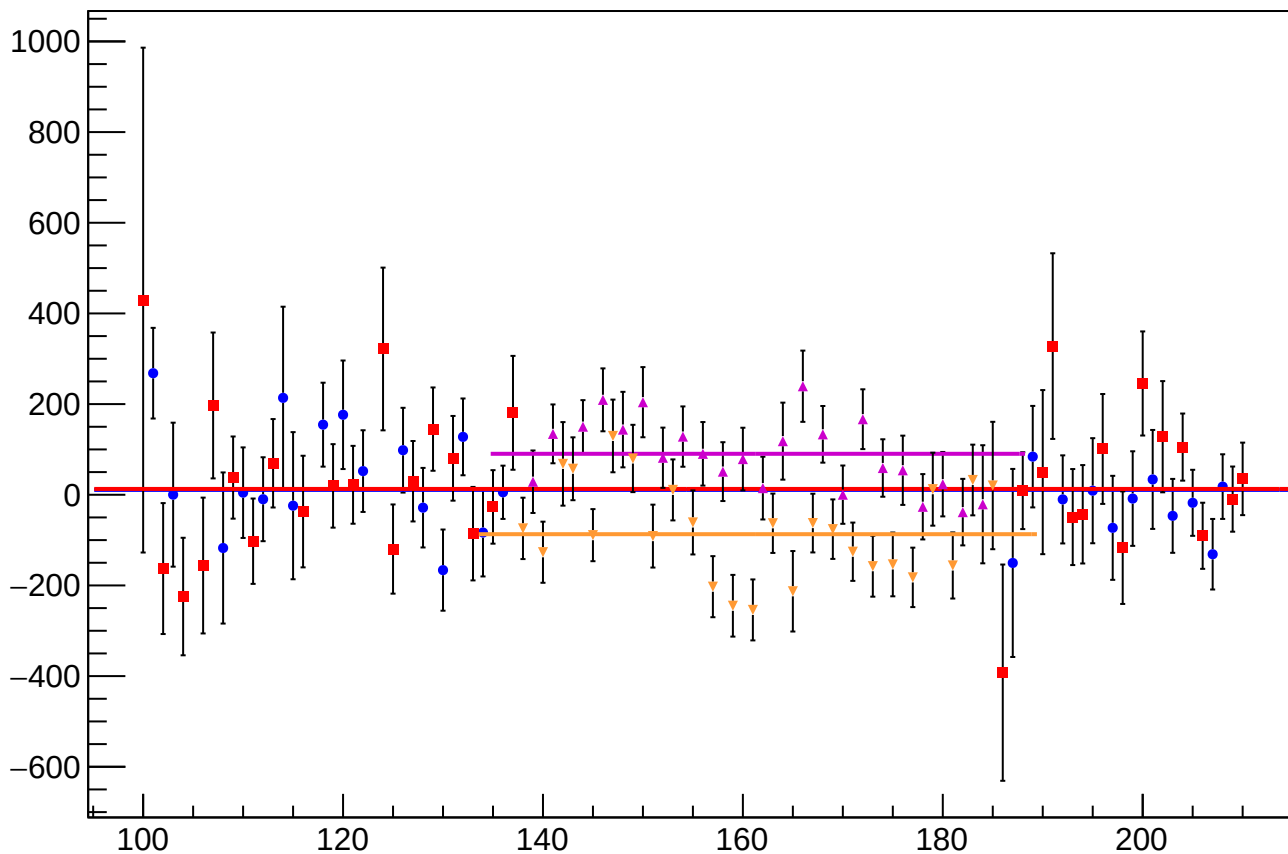
Left In: 343.245 $\pm$ 0.057 χ^2 /NDF: 372991.6/22

+ sign 389.282 $\pm$ 0.049 χ^2 /NDF: 5976645.4/51

All: 394.324 $\pm$ 0.035 χ^2 /NDF: 13553161.0/10

- sign 399.564 $\pm$ 0.050 χ^2 /NDF: 7554593.3/55

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 10.747 ± 18.550 χ^2/NDF : 26.4/26

Left Out: -86.957 ± 14.175 χ^2/NDF : 48.8/24

Right Out: 12.863 ± 18.142 χ^2/NDF : 36.7/32

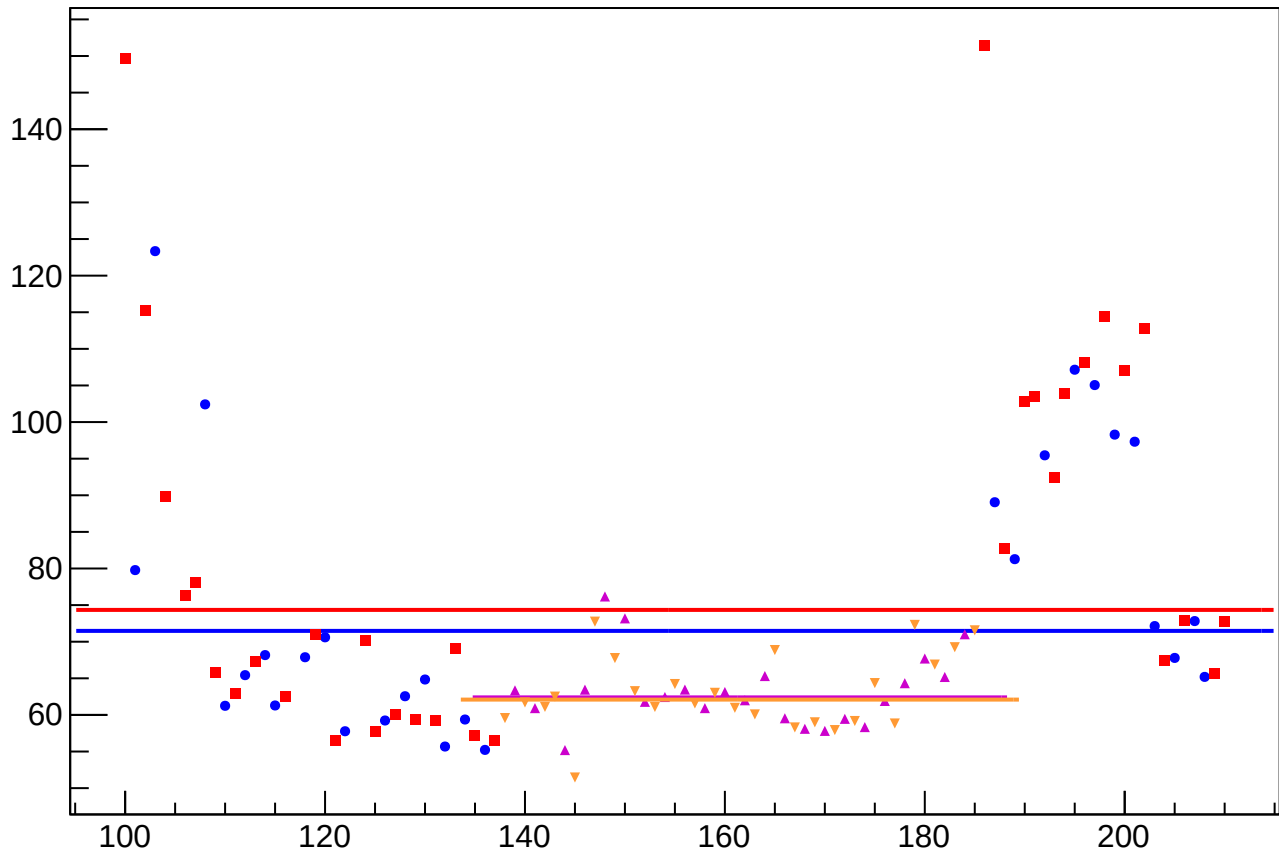
Left In: 90.363 ± 14.656 χ^2/NDF : 25.0/22

+ sign -50.939 ± 11.263 χ^2/NDF : 92.7/51

All: 3.735 ± 8.012 χ^2/NDF : 213.2/107

- sign 59.758 ± 11.401 χ^2/NDF : 72.7/55

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.478 $\pm$ 0.013 χ^2 /NDF: 1481332.8/26

Left Out: 62.093 $\pm$ 0.010 χ^2 /NDF:233347.2/24

Right Out: 74.344 $\pm$ 0.013 χ^2 /NDF: 2040170.5/32

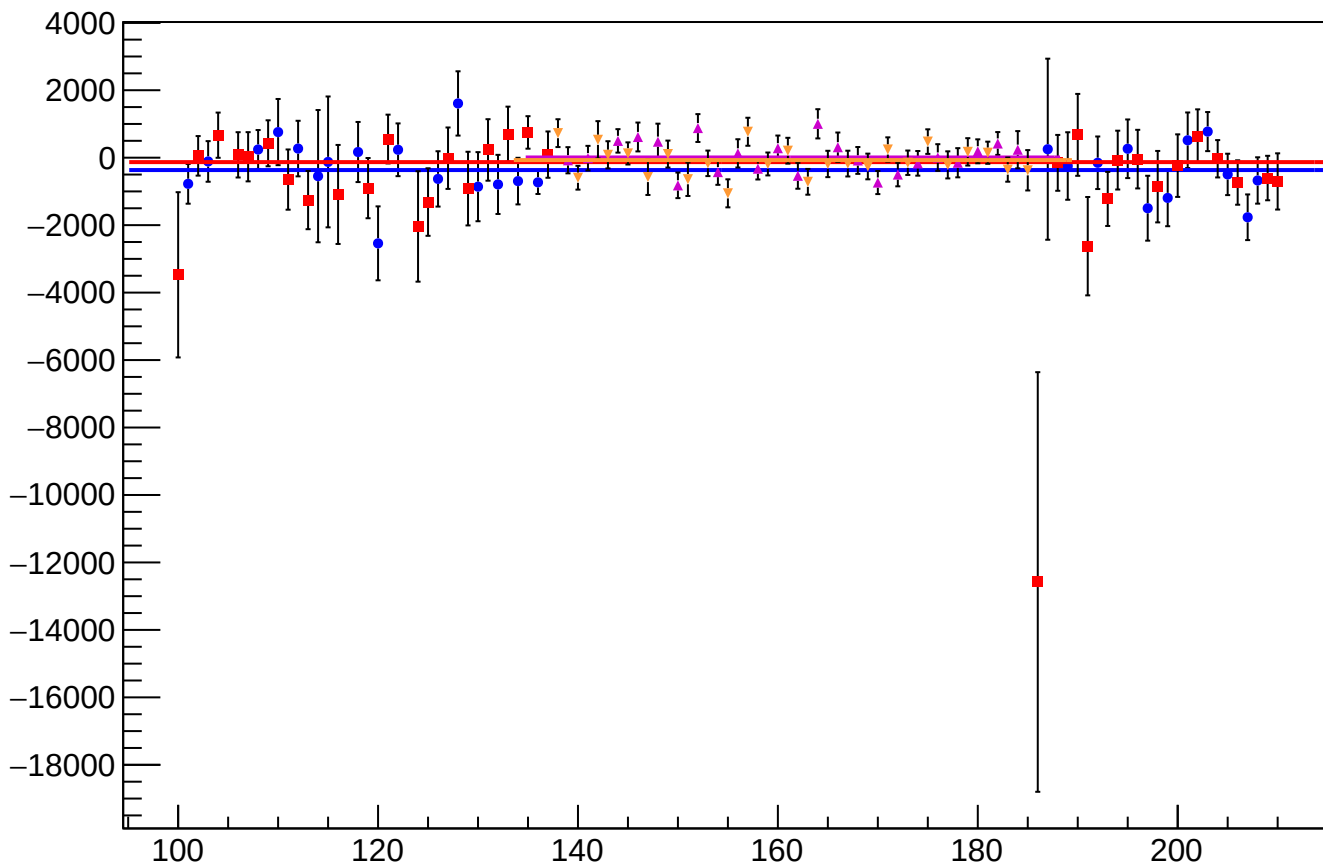
Left In: 62.395 $\pm$ 0.010 χ^2 /NDF:188817.4/22

+ sign 65.553 $\pm$ 0.008 χ^2 /NDF: 2037881.1/51

All: 66.324 $\pm$ 0.006 χ^2 /NDF: 4810740.5/107

- sign 67.114 $\pm$ 0.008 χ^2 /NDF: 2753890.6/55

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug



Right In: -366.875 ± 143.191 χ^2/NDF : 27.4/26

Left Out: -71.324 ± 78.399 χ^2/NDF : 28.6/24

Right Out: -131.261 ± 141.246 χ^2/NDF : 28.8/32

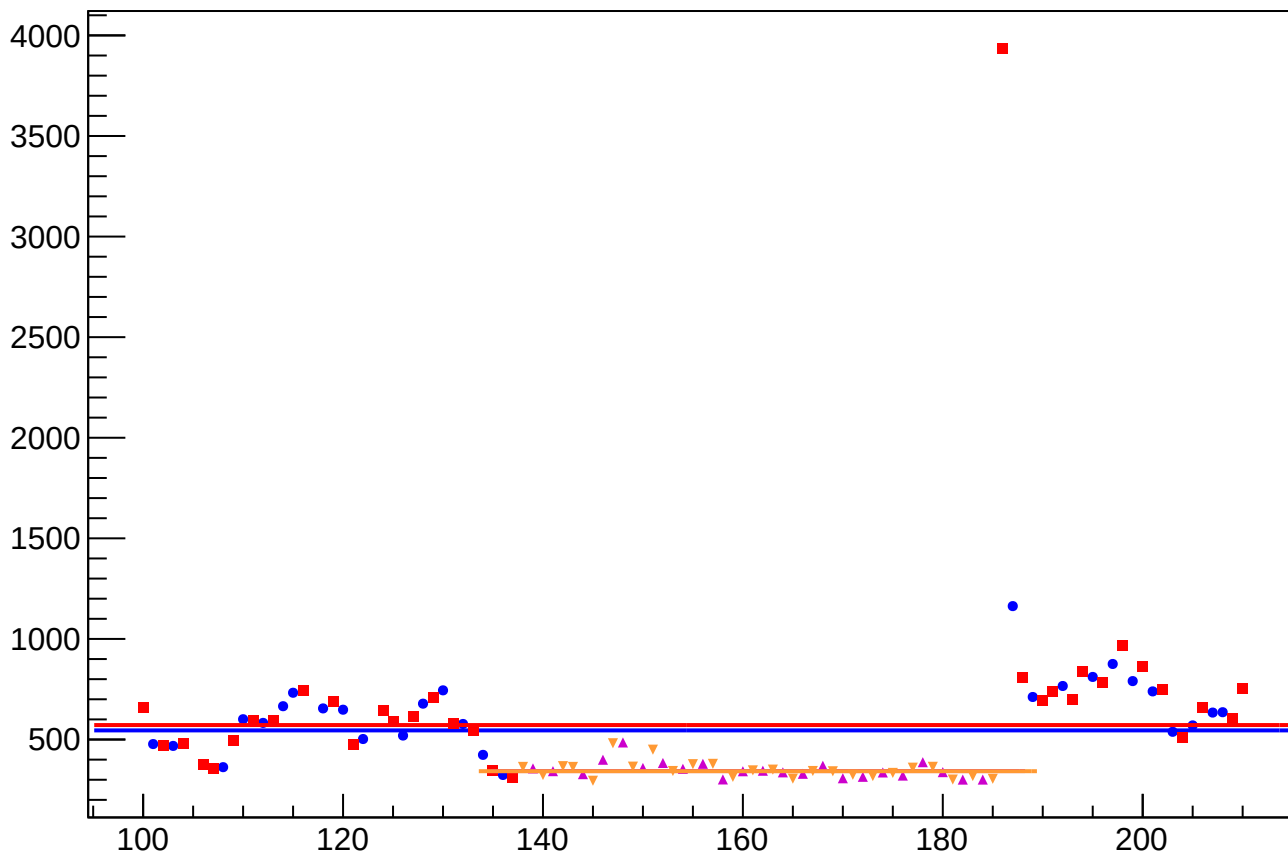
Left In: 6.134 ± 80.760 χ^2/NDF : 34.0/22

+ sign -139.488 ± 68.767 χ^2/NDF : 59.2/51

All: -84.682 ± 49.093 χ^2/NDF : 124.0/107

- sign -27.716 ± 70.109 χ^2/NDF : 63.5/55

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 545.333+/-0.101 χ^2/NDF : 2455002.5/26

Left Out: 342.502+/-0.055 χ^2/NDF : 434210.5/24

Right Out: 571.835+/-0.100 χ^2/NDF : 3233844.6/32

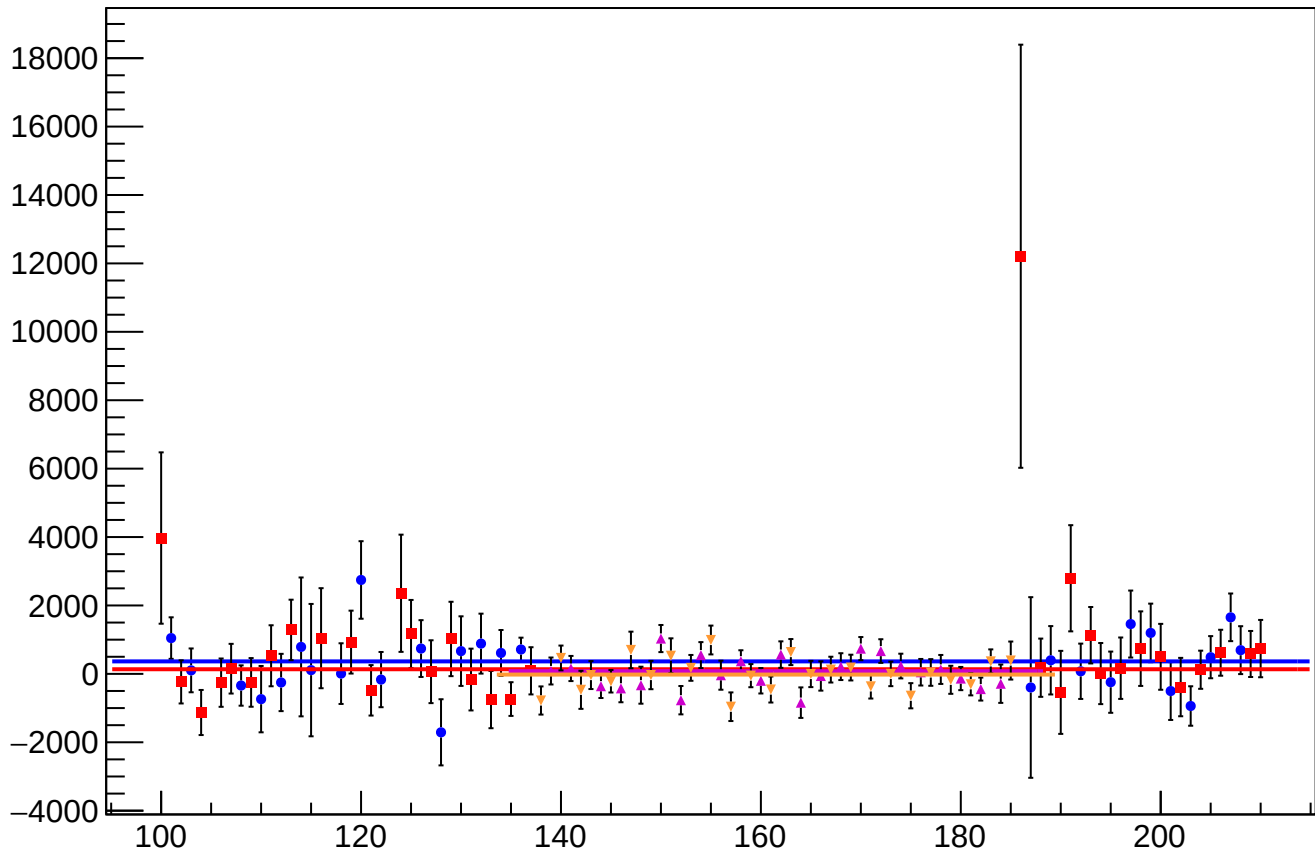
Left In: 343.245+/-0.057 χ^2/NDF : 372993.5/22

+ sign 389.282+/-0.049 χ^2/NDF : 5976637.4/51

All: 394.324+/-0.035 χ^2/NDF : 13553138.1/10

- sign 399.564+/-0.050 χ^2/NDF : 7554578.0/55

asym_sam_13_57_dd_mean vs Slug



Right In: 364.897 ± 145.179 χ^2/NDF : 28.9/26

Left Out: -20.272 ± 78.196 χ^2/NDF : 31.4/24

Right Out: 135.355 ± 144.404 χ^2/NDF : 29.3/32

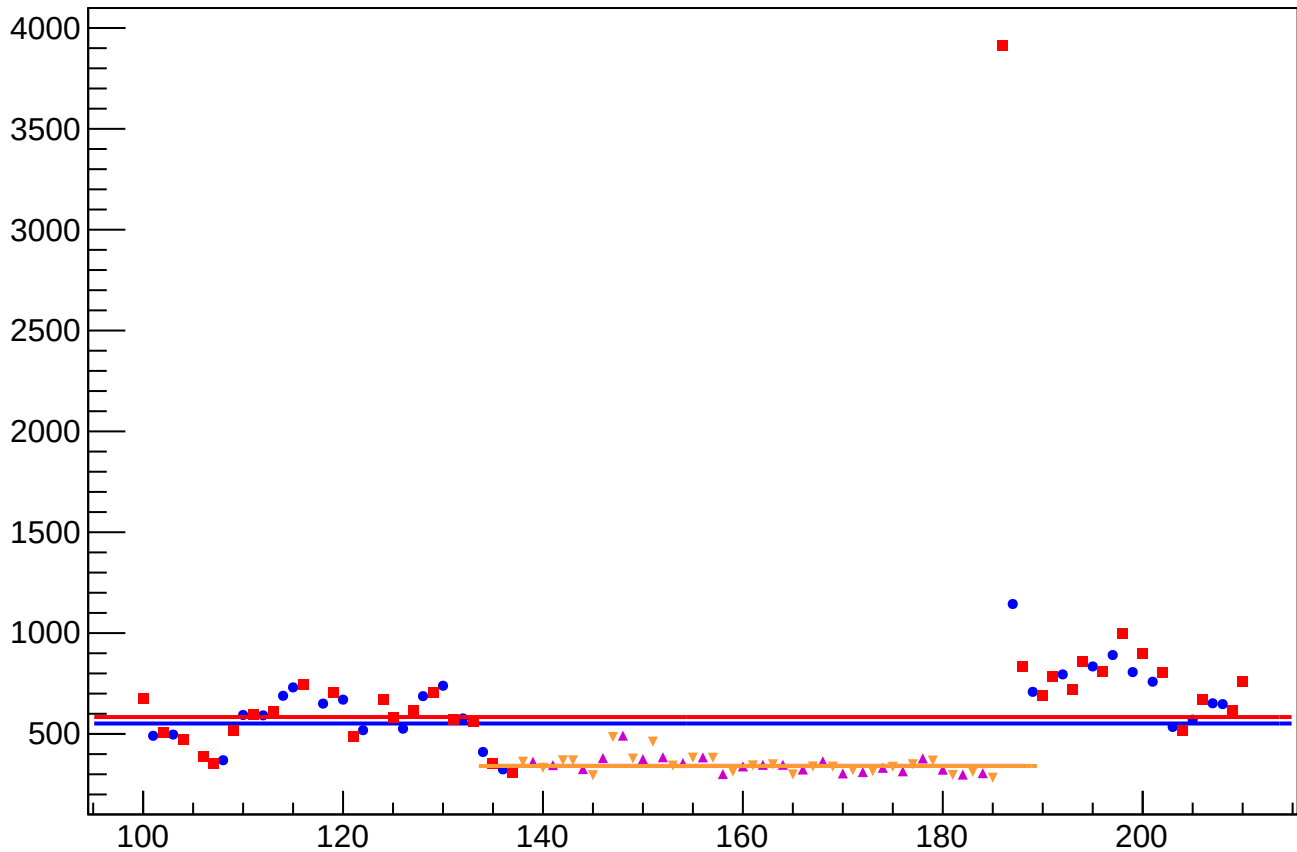
Left In: 78.719 ± 80.410 χ^2/NDF : 32.9/22

+ sign 66.342 ± 68.845 χ^2/NDF : 65.8/51

All: 78.972 ± 49.171 χ^2/NDF : 128.2/107

- sign 92.124 ± 70.253 χ^2/NDF : 62.3/55

asym_sam_13_57_dd_rms vs Slug



Right In: 551.722+/-0.103 χ^2/NDF : 2524124.8/26

Left Out: 341.199+/-0.055 χ^2/NDF : 510854.5/24

Right Out: 583.789+/-0.102 χ^2/NDF : 3301726.6/32

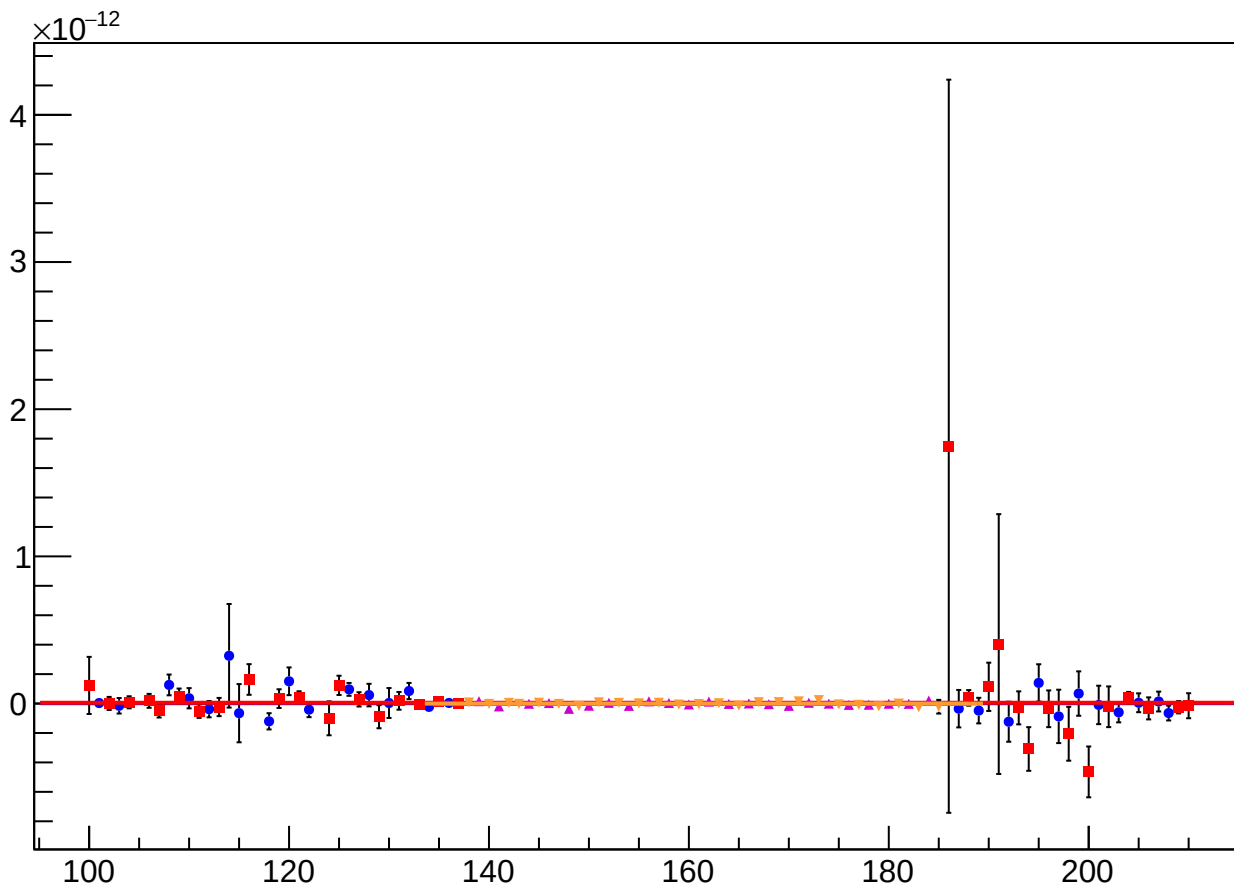
Left In: 341.622+/-0.057 χ^2/NDF : 396885.0/22

+ sign 388.540+/-0.049 χ^2/NDF : 6294816.3/51

All: 393.634+/-0.035 χ^2/NDF : 14309233.6/10

- sign 398.939+/-0.050 χ^2/NDF : 7992062.5/55

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 26.8/26

Left Out: -0.000+/-0.000 χ^2/NDF : 19.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 30.6/32

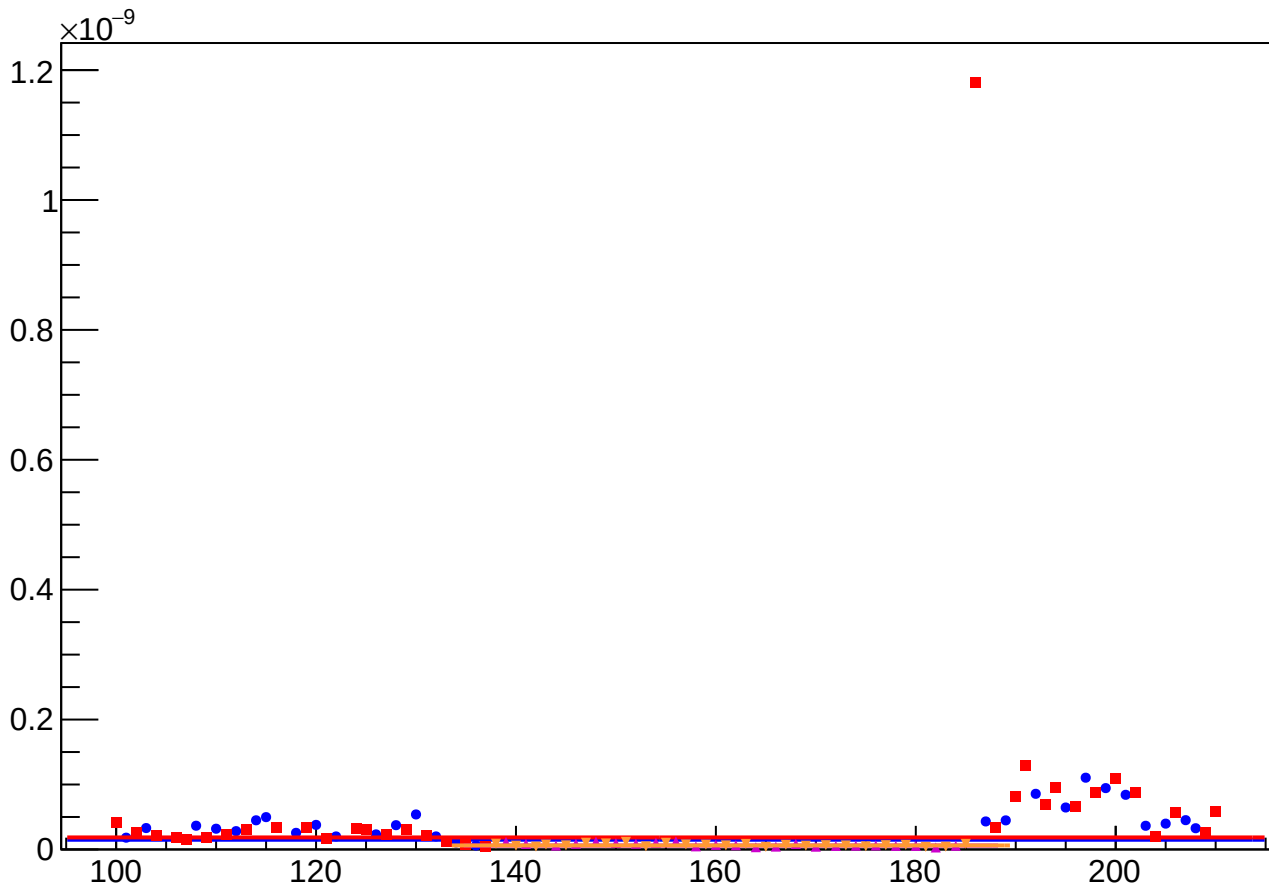
Left In: -0.000+/-0.000 χ^2/NDF : 14.4/22

+ sign -0.000+/-0.000 χ^2/NDF : 46.2/51

All: -0.000+/-0.000 χ^2/NDF : 92.1/107

- sign -0.000+/-0.000 χ^2/NDF : 45.7/55

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7139807.1/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6698952.3/32

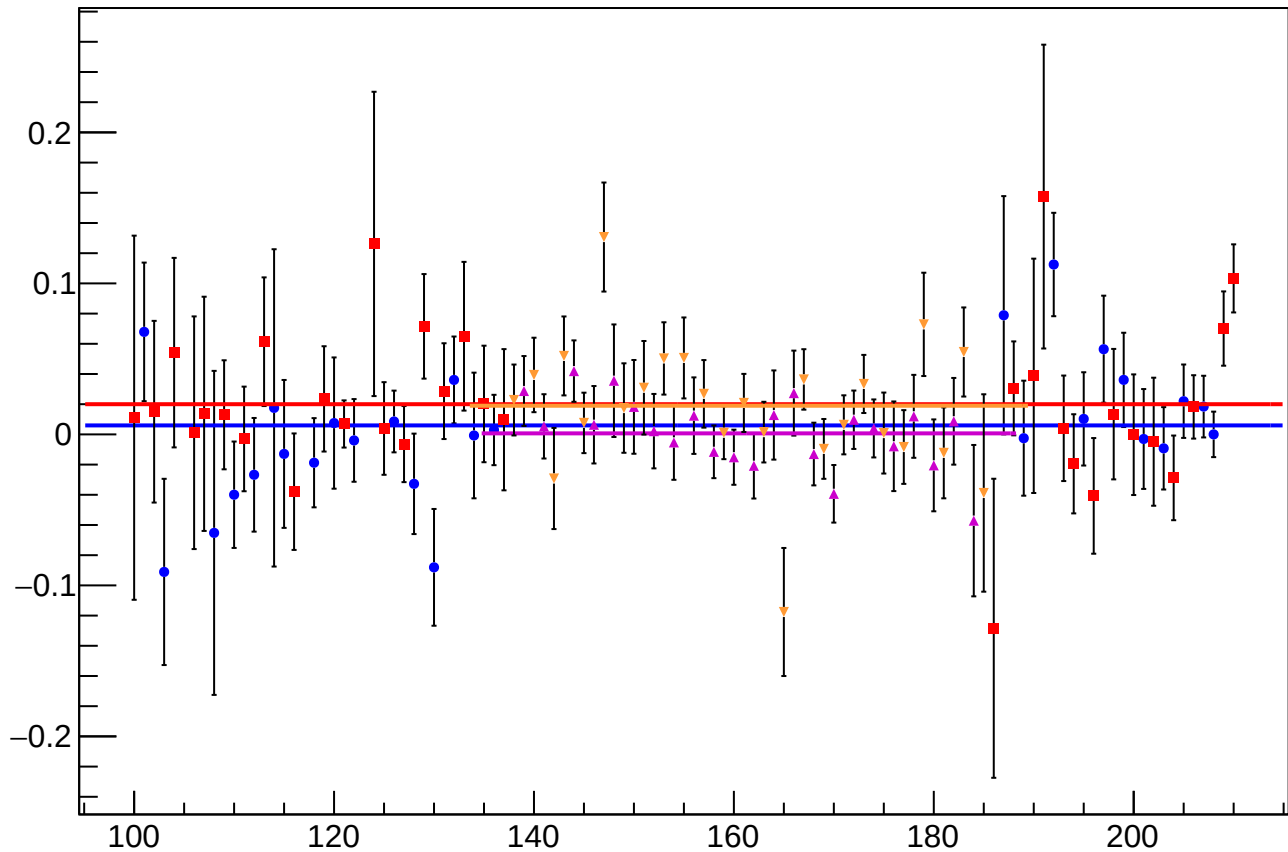
Left In: 0.000+/-0.000 χ^2/NDF : 1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 10656398.5/51

All: 0.000+/-0.000 χ^2/NDF : 22979288.7/107

- sign 0.000+/-0.000 χ^2/NDF : 12322465.2/55

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.006 χ^2/NDF : 31.5/26

Left Out: 0.019 ± 0.005 χ^2/NDF : 41.2/24

Right Out: 0.020 ± 0.006 χ^2/NDF : 40.3/32

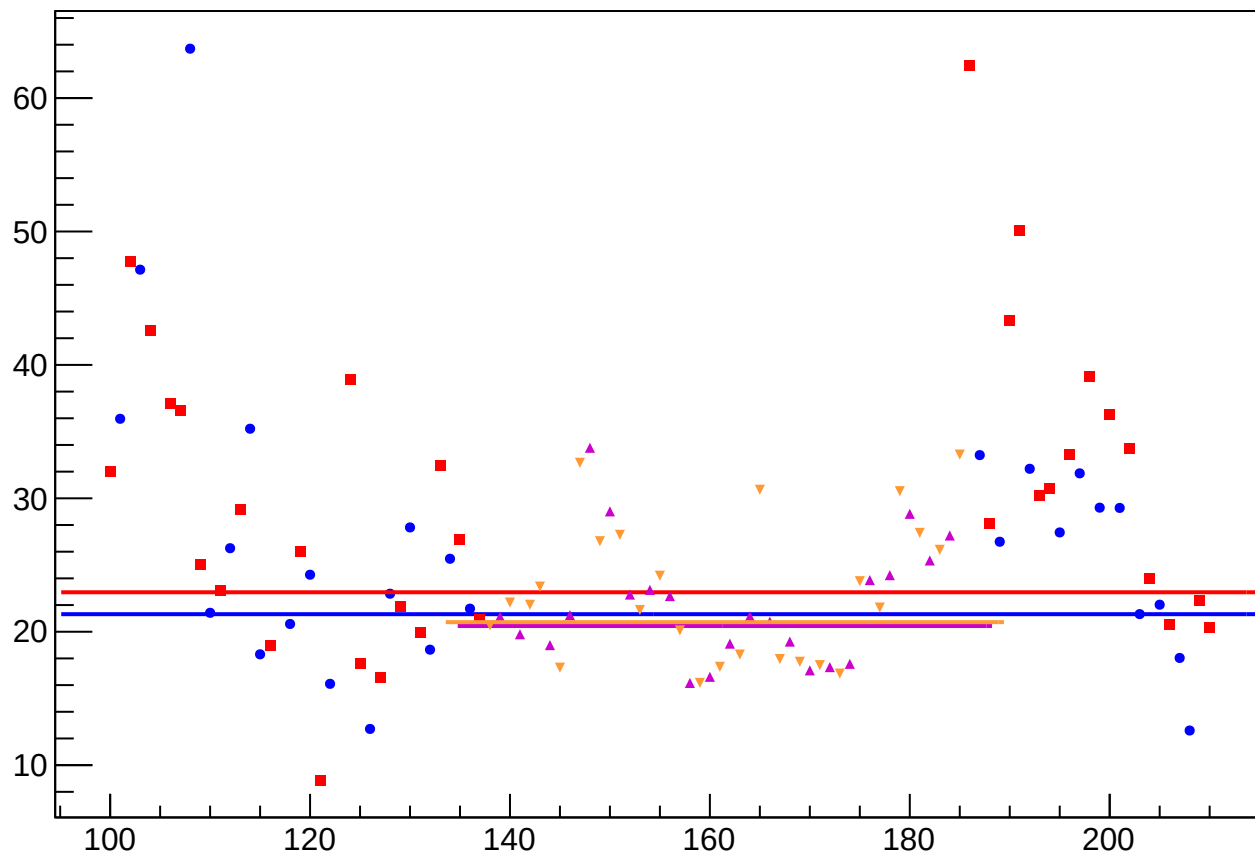
Left In: 0.001 ± 0.005 χ^2/NDF : 17.7/22

+ sign 0.014 ± 0.004 χ^2/NDF : 75.6/51

All: 0.011 ± 0.003 χ^2/NDF : 140.7/107

- sign 0.008 ± 0.004 χ^2/NDF : 64.1/55

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.316 ± 0.004 χ^2/NDF : 2994923.2/26

Left Out: 20.718 ± 0.003 χ^2/NDF : 1506374.1/24

Right Out: 22.958 ± 0.004 χ^2/NDF : 4442574.4/32

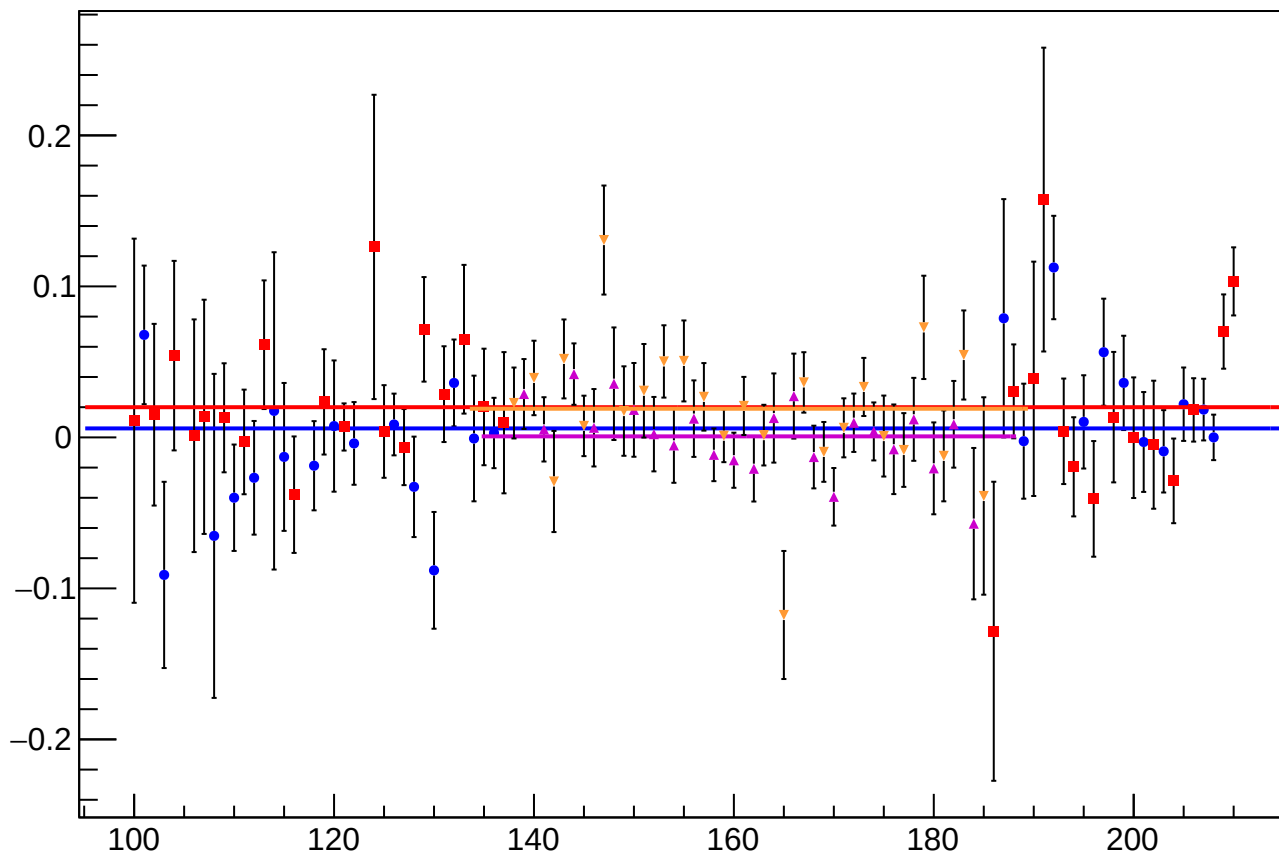
Left In: 20.429 ± 0.003 χ^2/NDF : 1173949.1/22

+ sign 20.961 ± 0.003 χ^2/NDF : 4513538.1/51

All: 21.198 ± 0.002 χ^2/NDF : 10356997.1/107

- sign 21.444 ± 0.003 χ^2/NDF : 5827201.6/55

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.006 $\chi^2/\text{NDF}: 31.5/26$

Left Out: 0.019 ± 0.005 $\chi^2/\text{NDF}: 41.2/24$

Right Out: 0.020 ± 0.006 $\chi^2/\text{NDF}: 40.3/32$

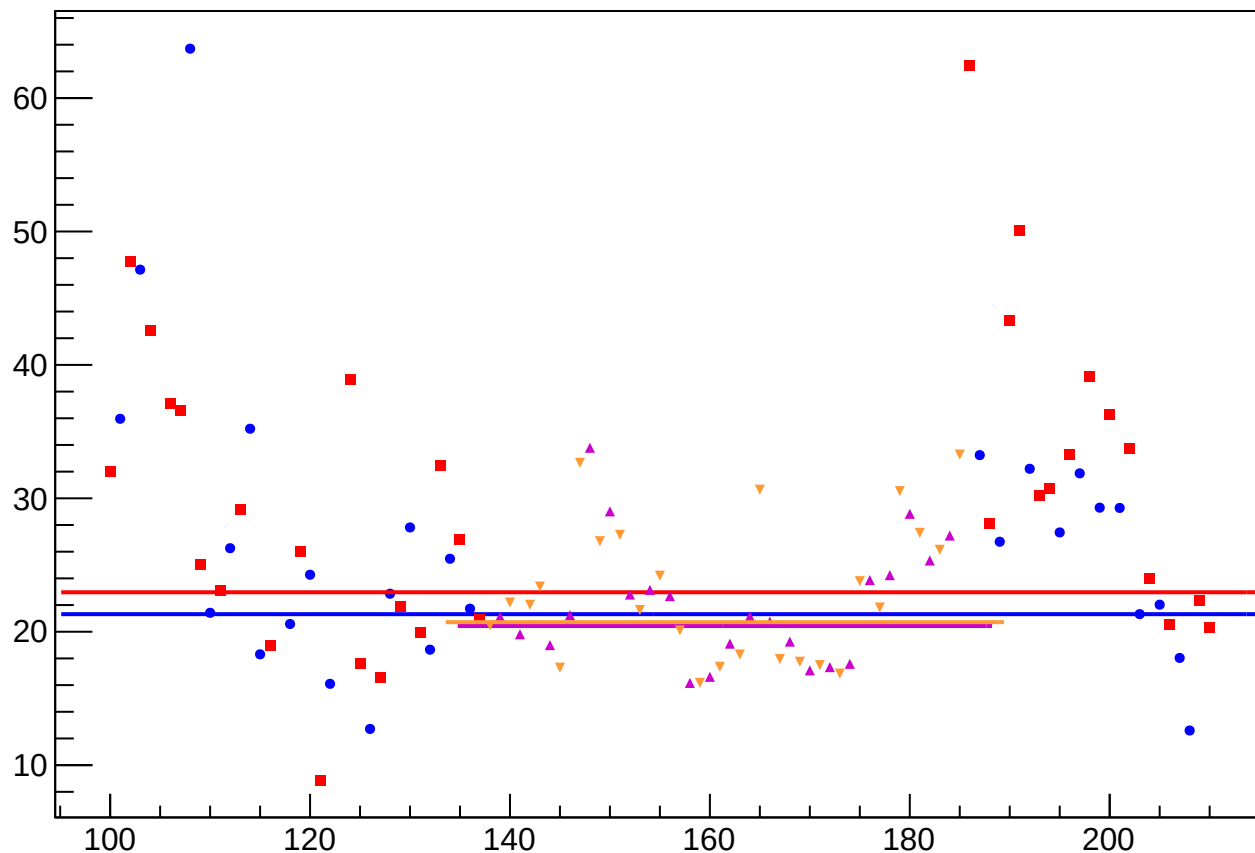
Left In: 0.001 ± 0.005 $\chi^2/\text{NDF}: 17.7/22$

+ sign 0.014 ± 0.004 $\chi^2/\text{NDF}: 75.6/51$

All: 0.011 ± 0.003 $\chi^2/\text{NDF}: 140.7/107$

- sign 0.008 ± 0.004 $\chi^2/\text{NDF}: 64.1/55$

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.316 $\pm$ 0.004 χ^2 /NDF: 2994923.2/26

Left Out: 20.718 $\pm$ 0.003 χ^2 /NDF: 1506374.1/24

Right Out: 22.958 $\pm$ 0.004 χ^2 /NDF: 4442574.4/32

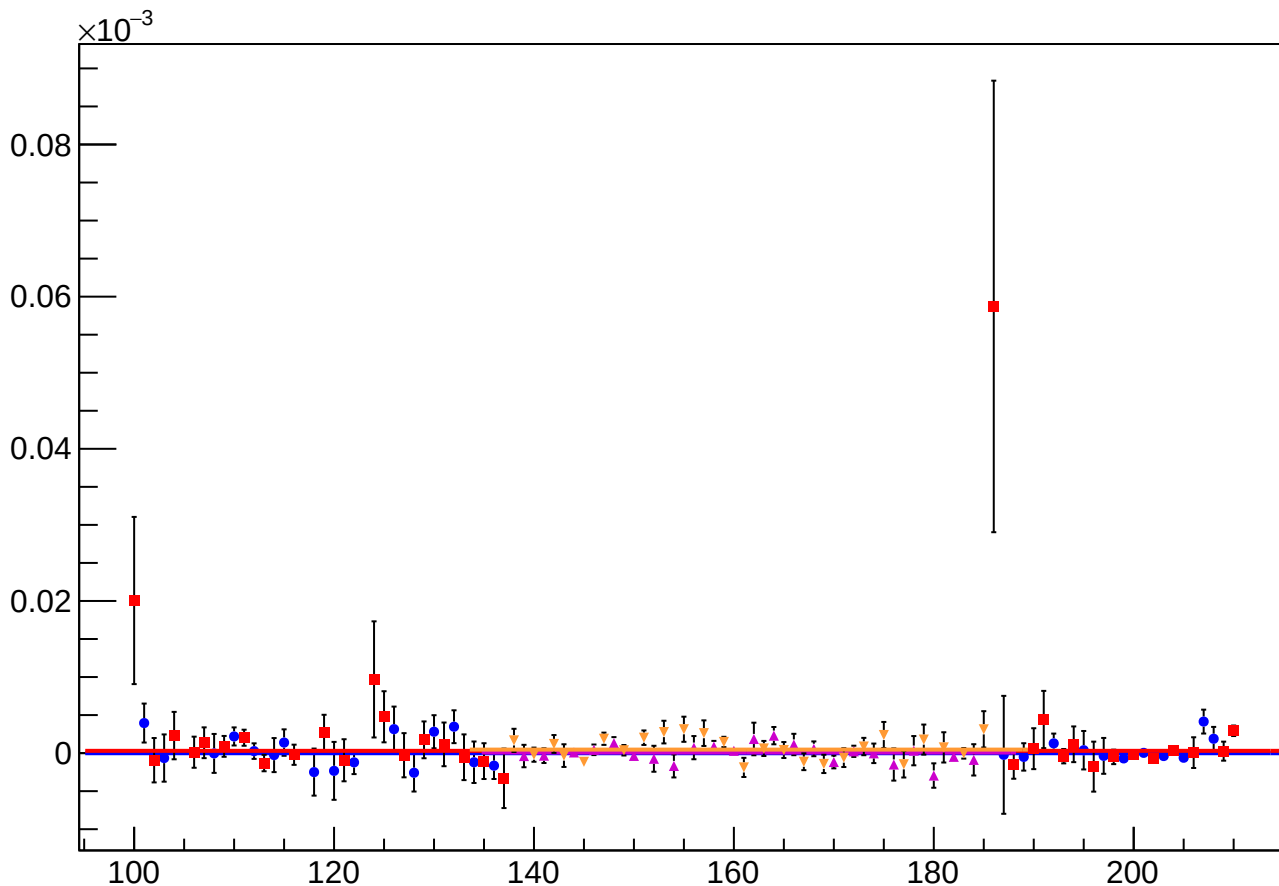
Left In: 20.429 $\pm$ 0.003 χ^2 /NDF: 1173949.1/22

+ sign 20.961 $\pm$ 0.003 χ^2 /NDF: 4513538.1/51

All: 21.198 $\pm$ 0.002 χ^2 /NDF: 10356997.1/107

- sign 21.444 $\pm$ 0.003 χ^2 /NDF: 5827201.6/55

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.0/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 36.7/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 42.0/32

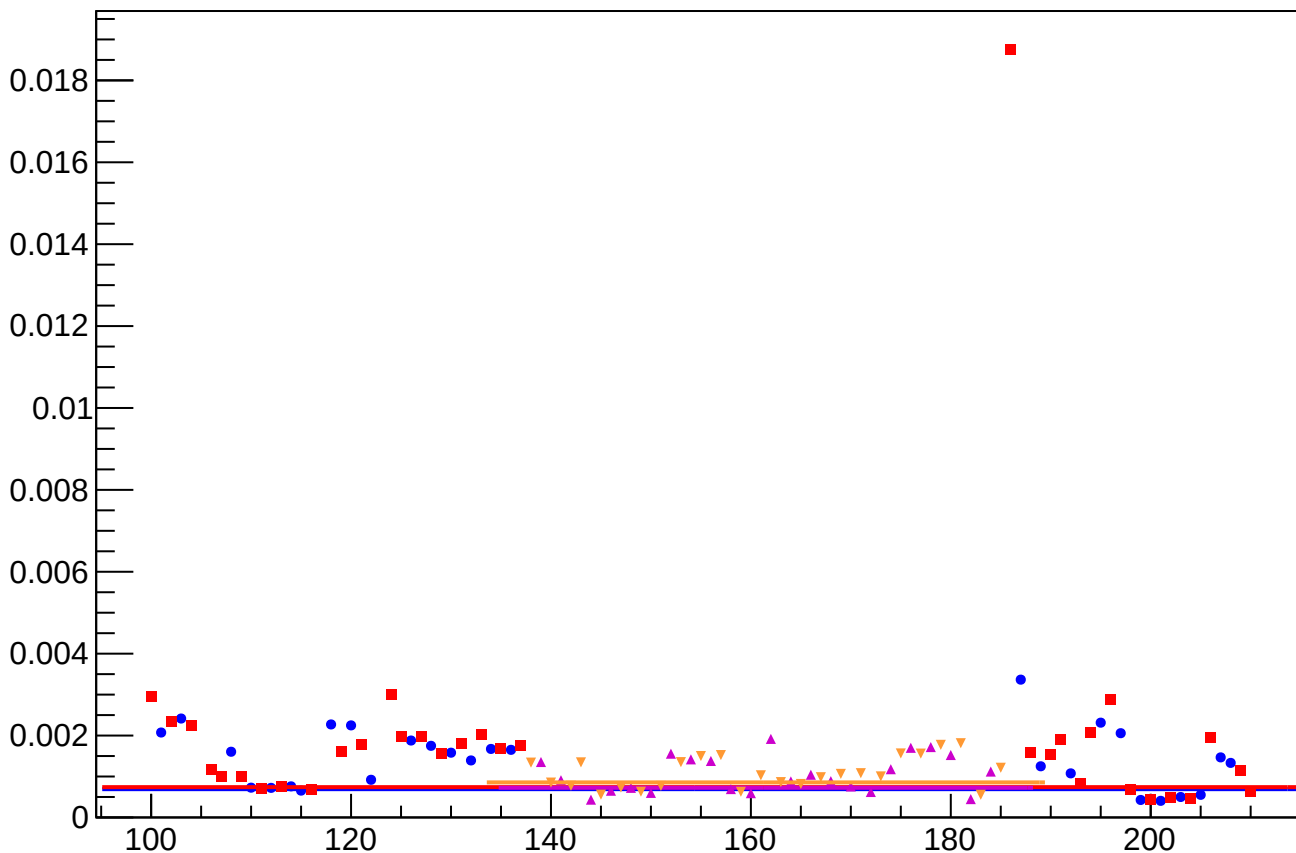
Left In: 0.000 ± 0.000 χ^2/NDF : 19.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 68.2/51

All: 0.000 ± 0.000 χ^2/NDF : 130.4/107

- sign 0.000 ± 0.000 χ^2/NDF : 62.1/55

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9180029.8/26

Left Out: 0.001+/-0.000 χ^2/NDF : 4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF : 9807027.1/32

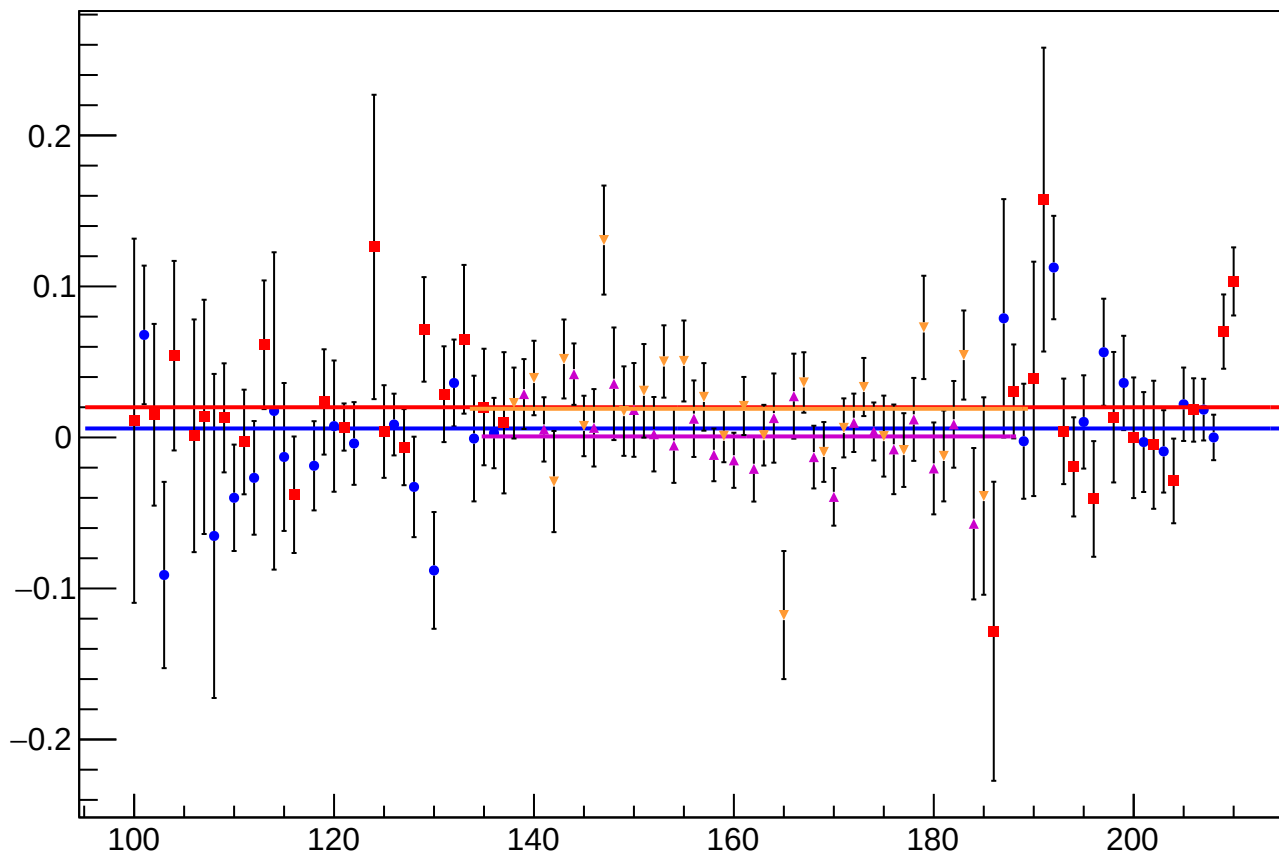
Left In: 0.001+/-0.000 χ^2/NDF : 5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF : 14218681.1/51

All: 0.001+/-0.000 χ^2/NDF : 29924496.7/107

- sign 0.001+/-0.000 χ^2/NDF : 15617580.1/55

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.006 χ^2/NDF : 31.5/26

Left Out: 0.019 ± 0.005 χ^2/NDF : 41.2/24

Right Out: 0.020 ± 0.006 χ^2/NDF : 40.3/32

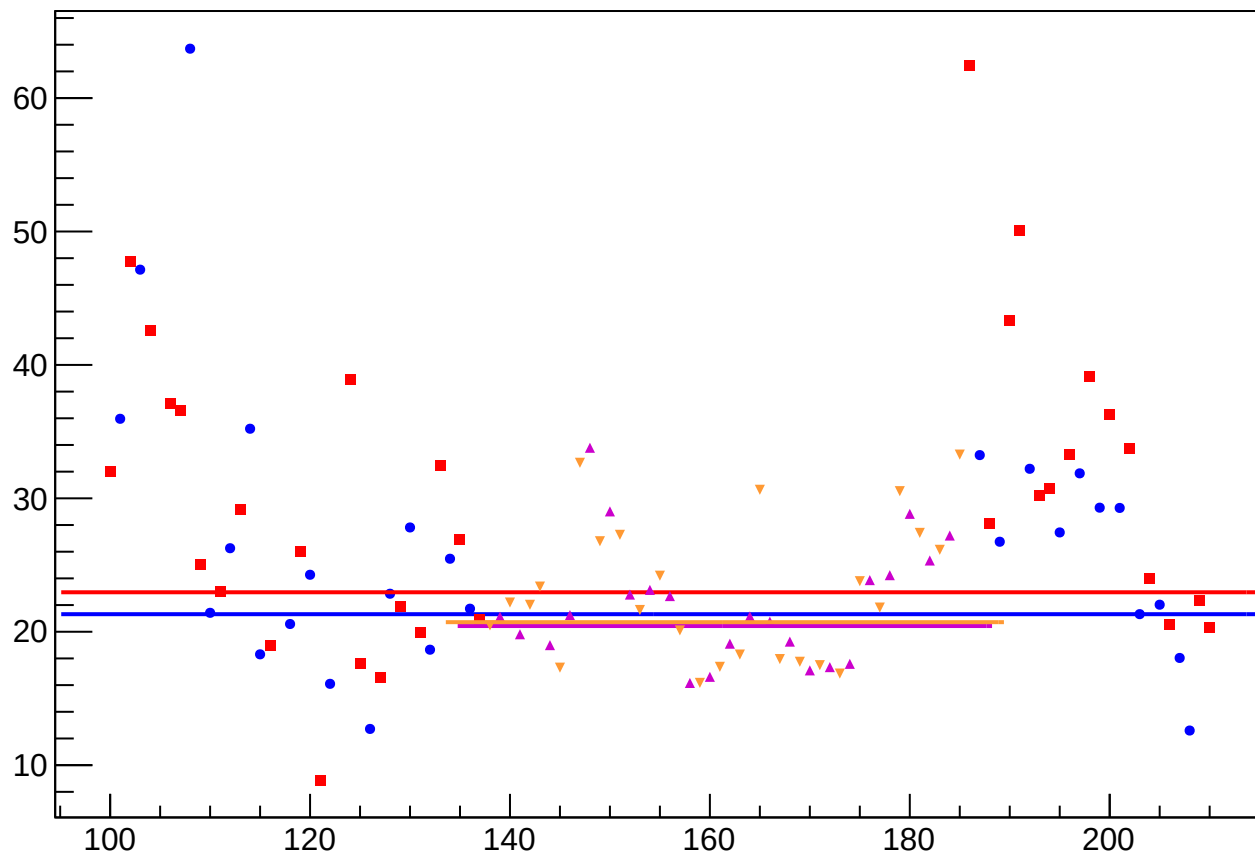
Left In: 0.001 ± 0.005 χ^2/NDF : 17.7/22

+ sign 0.014 ± 0.004 χ^2/NDF : 75.6/51

All: 0.011 ± 0.003 χ^2/NDF : 140.7/107

- sign 0.008 ± 0.004 χ^2/NDF : 64.1/55

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.316 $\pm$ 0.004 χ^2 /NDF: 2994916.4/26

Left Out: 20.718 $\pm$ 0.003 χ^2 /NDF: 1506475.9/24

Right Out: 22.959 $\pm$ 0.004 χ^2 /NDF: 4442006.2/32

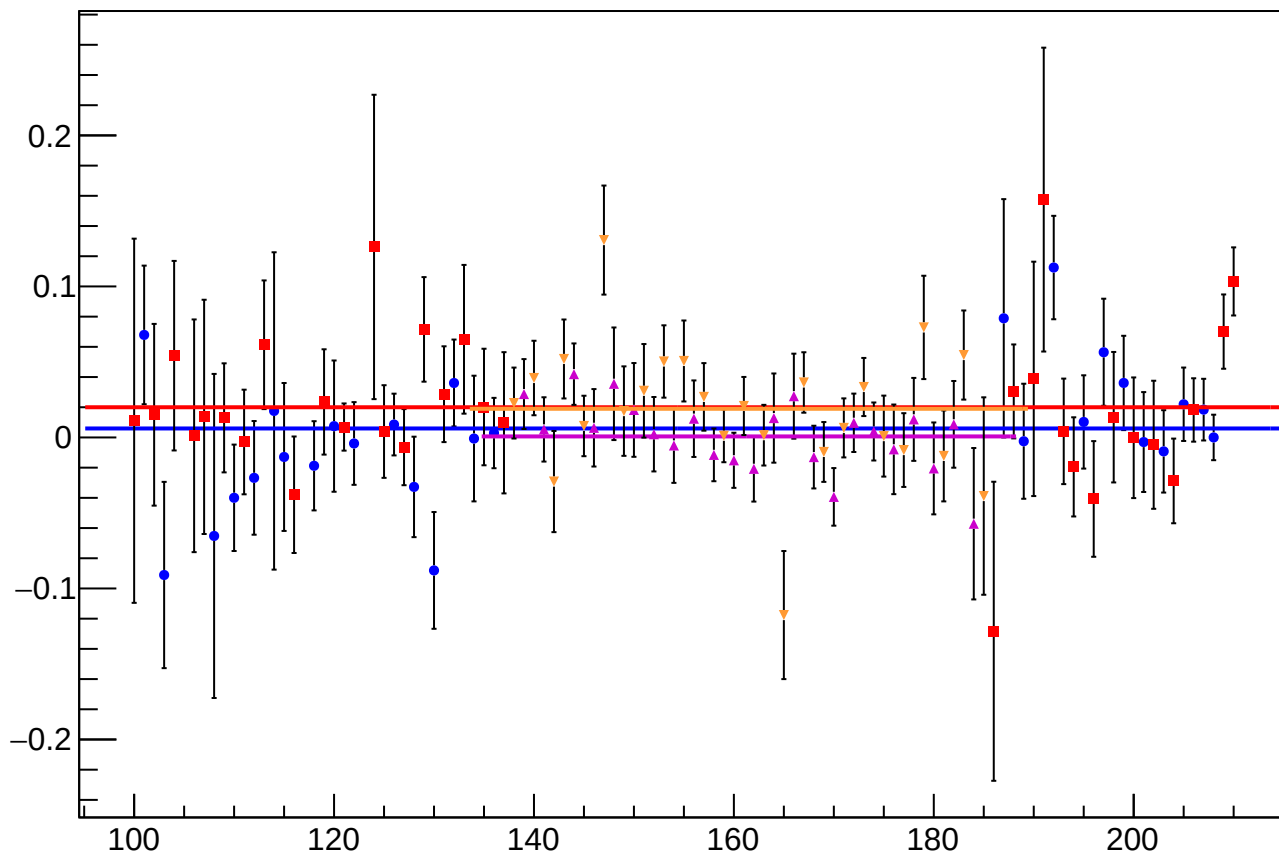
Left In: 20.429 $\pm$ 0.003 χ^2 /NDF: 1173995.4/22

+ sign 20.961 $\pm$ 0.003 χ^2 /NDF: 4513636.9/51

All: 21.198 $\pm$ 0.002 χ^2 /NDF: 10356656.2/107

- sign 21.444 $\pm$ 0.003 χ^2 /NDF: 5826748.1/55

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.006 χ^2 /NDF: 31.5/26

Left Out: 0.019 $\pm$ 0.005 χ^2 /NDF:41.2/24

Right Out: 0.020 $\pm$ 0.006 χ^2 /NDF: 40.3/32

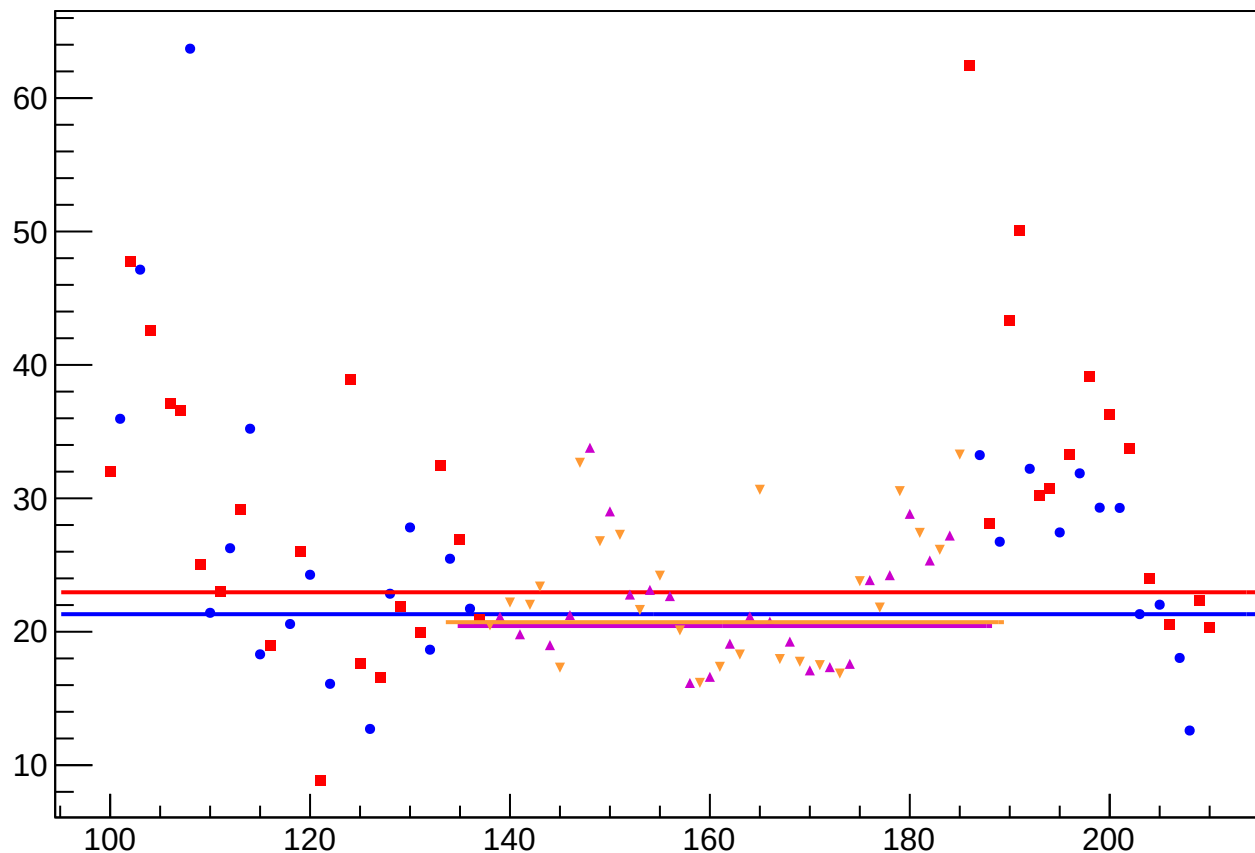
Left In: 0.001 $\pm$ 0.005 χ^2 /NDF:17.7/22

+ sign 0.014 $\pm$ 0.004 χ^2 /NDF: 75.6/51

All: 0.011 $\pm$ 0.003 χ^2 /NDF: 140.7/107

- sign 0.008 $\pm$ 0.004 χ^2 /NDF: 64.1/55

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.316 $\pm$ 0.004 χ^2 /NDF: 2994916.4/26

Left Out: 20.718 $\pm$ 0.003 χ^2 /NDF: 1506475.9/24

Right Out: 22.959 $\pm$ 0.004 χ^2 /NDF: 4442006.2/32

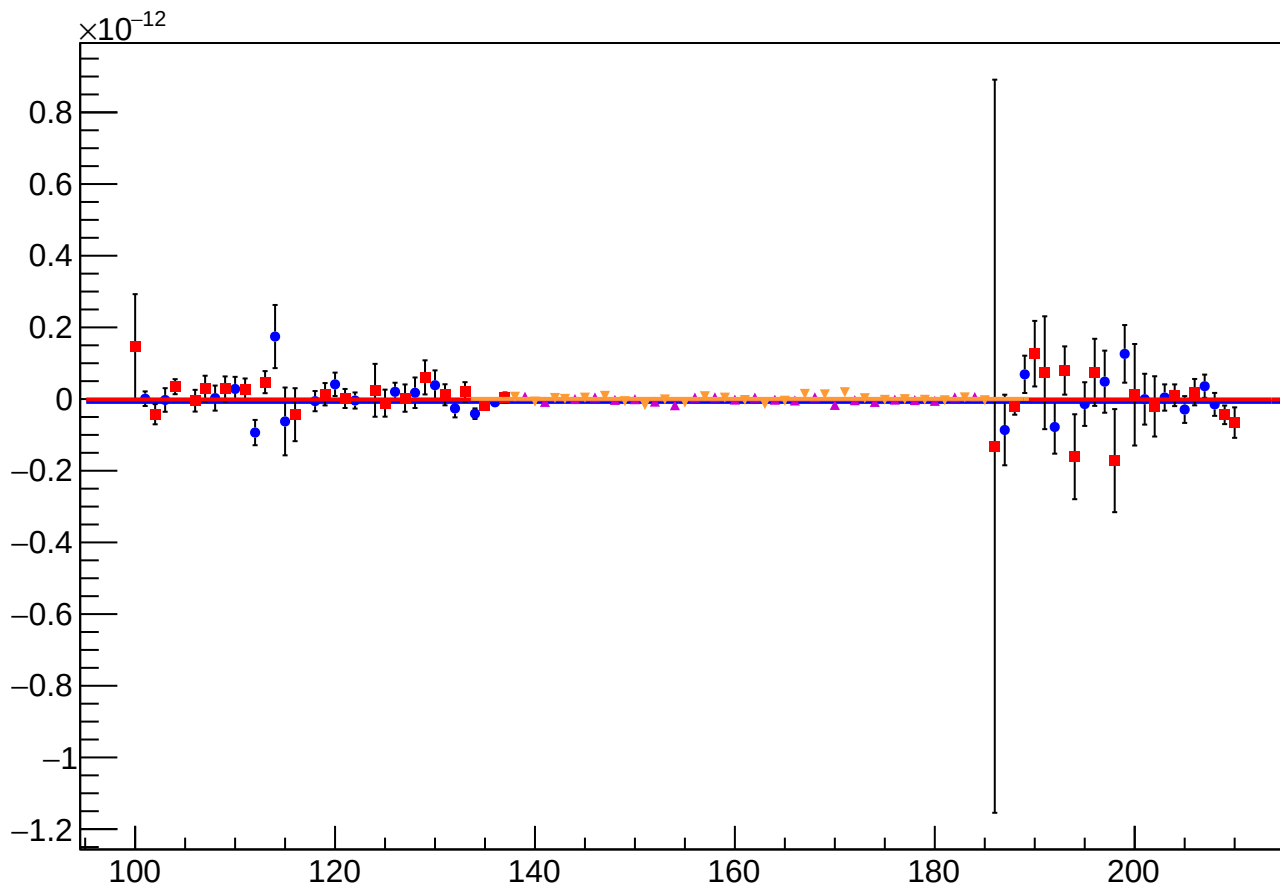
Left In: 20.429 $\pm$ 0.003 χ^2 /NDF: 1173995.4/22

+ sign 20.961 $\pm$ 0.003 χ^2 /NDF: 4513636.9/51

All: 21.198 $\pm$ 0.002 χ^2 /NDF: 10356656.2/107

- sign 21.444 $\pm$ 0.003 χ^2 /NDF: 5826748.1/55

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 31.9/26

Left Out: 0.000+/-0.000 χ^2 /NDF: 29.0/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 31.1/32

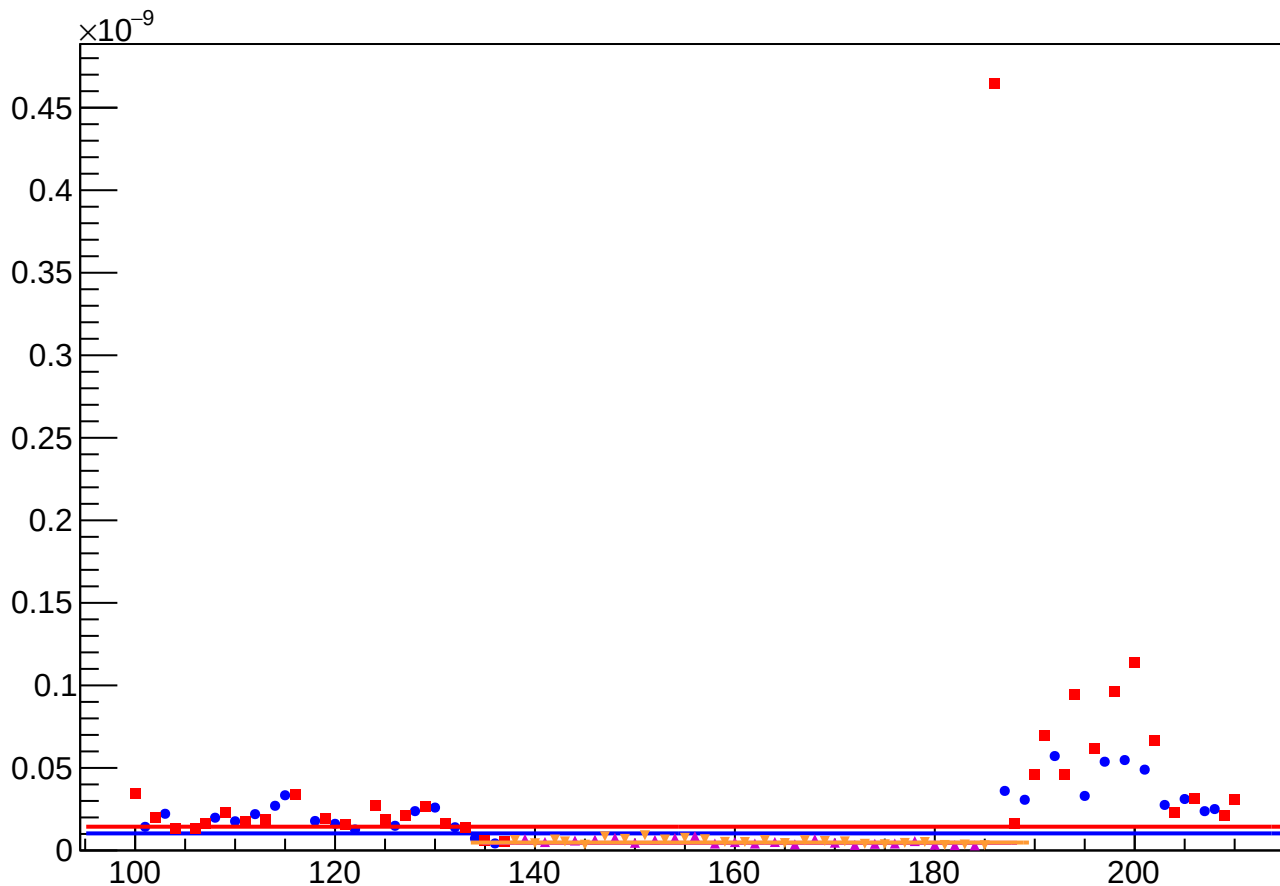
Left In: -0.000+/-0.000 χ^2 /NDF: 20.6/22

+ sign -0.000+/-0.000 χ^2 /NDF: 64.4/51

All: -0.000+/-0.000 χ^2 /NDF: 116.7/107

- sign -0.000+/-0.000 χ^2 /NDF: 51.6/55

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9188957.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9274577.0/32

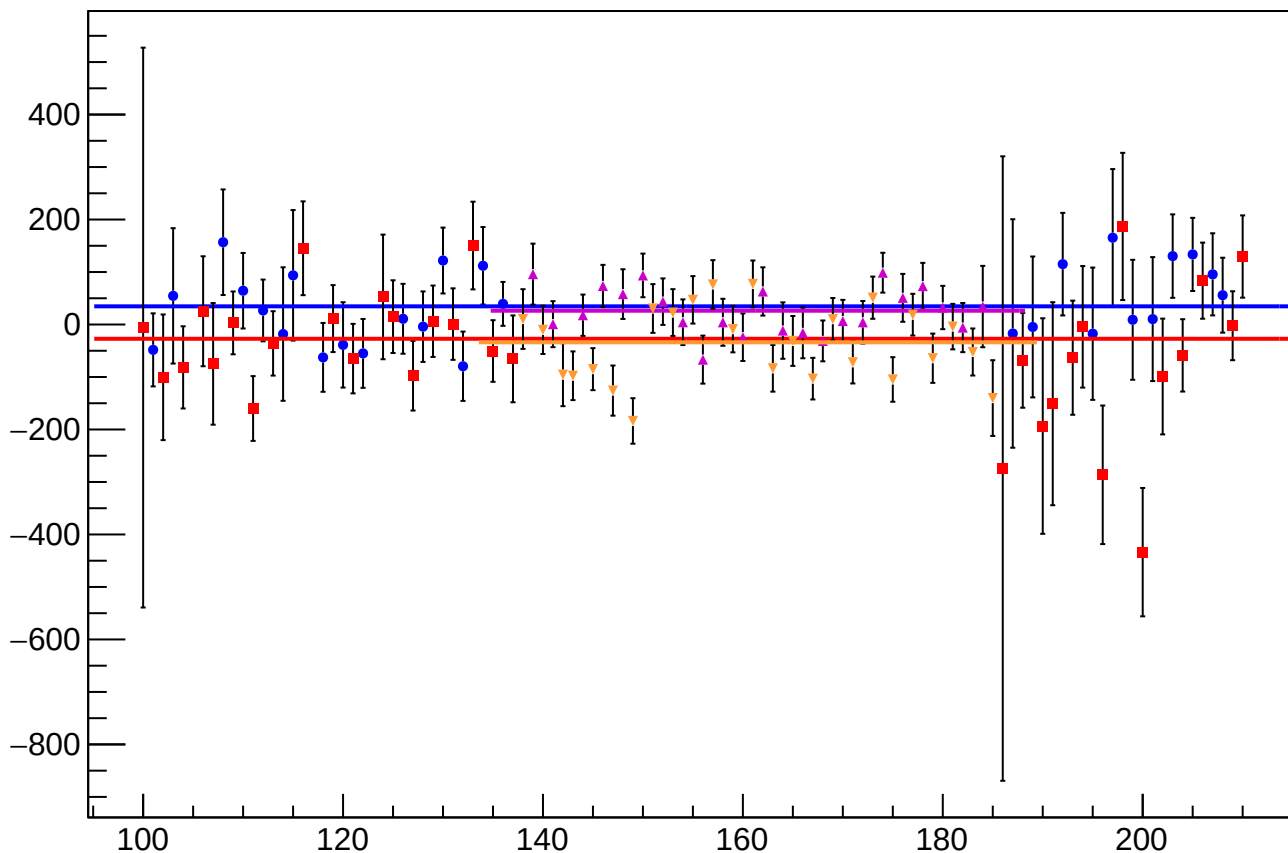
Left In: 0.000+/-0.000 χ^2/NDF : 1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 14349823.6/51

All: 0.000+/-0.000 χ^2/NDF : 32262513.3/107

- sign 0.000+/-0.000 χ^2/NDF : 17911128.0/55

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 34.621 ± 14.988 χ^2/NDF : 21.1/26

Left Out: -33.956 ± 8.993 χ^2/NDF : 58.7/24

Right Out: -27.172 ± 14.563 χ^2/NDF : 43.8/32

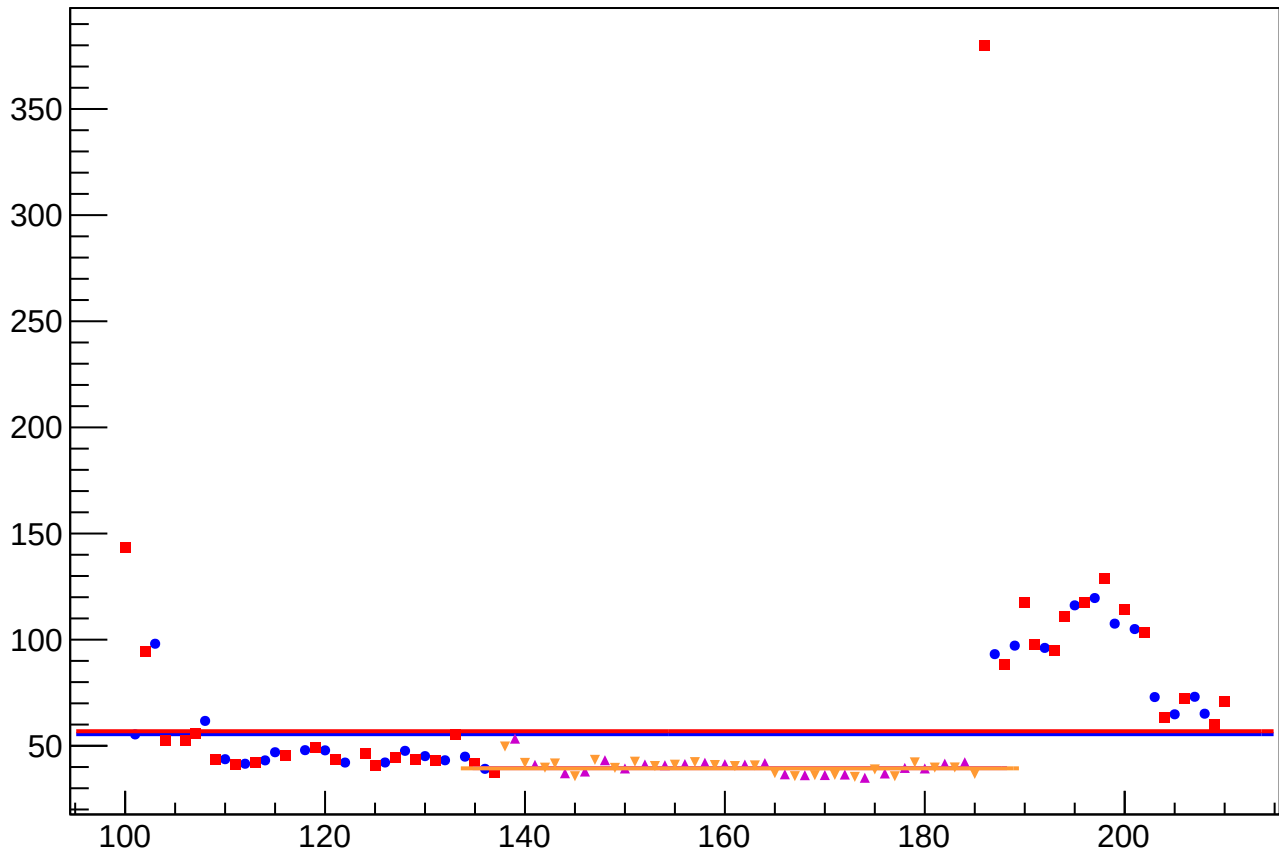
Left In: 26.267 ± 9.271 χ^2/NDF : 22.5/22

+ sign -15.801 ± 7.712 χ^2/NDF : 95.2/51

All: -2.661 ± 5.491 χ^2/NDF : 177.0/107

- sign 10.854 ± 7.821 χ^2/NDF : 75.8/55

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 55.478 $\pm$ 0.011 χ^2 /NDF: 3706939.2/26

Left Out: 39.383 $\pm$ 0.006 χ^2 /NDF: 228799.9/24

Right Out: 56.865 $\pm$ 0.010 χ^2 /NDF: 5043419.5/32

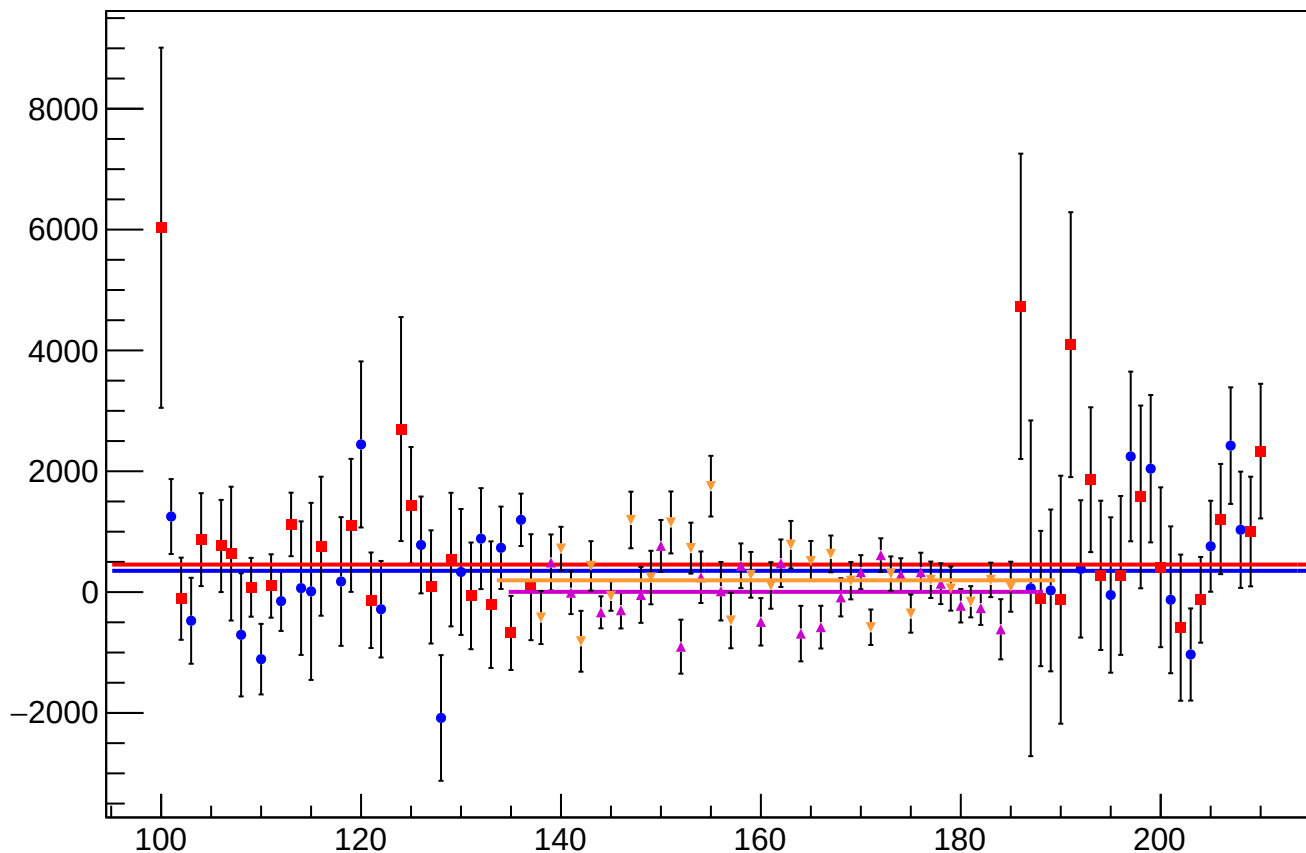
Left In: 39.491 $\pm$ 0.007 χ^2 /NDF: 251801.8/22

+ sign 43.644 $\pm$ 0.005 χ^2 /NDF: 5631565.4/51

All: 44.067 $\pm$ 0.004 χ^2 /NDF: 12964668.9/107

- sign 44.502 $\pm$ 0.006 χ^2 /NDF: 7320888.9/55

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 352.251 ± 160.721 χ^2/NDF : 38.0/26

Left Out: 195.029 ± 70.093 χ^2/NDF : 48.6/24

Right Out: 455.561 ± 156.437 χ^2/NDF : 28.5/32

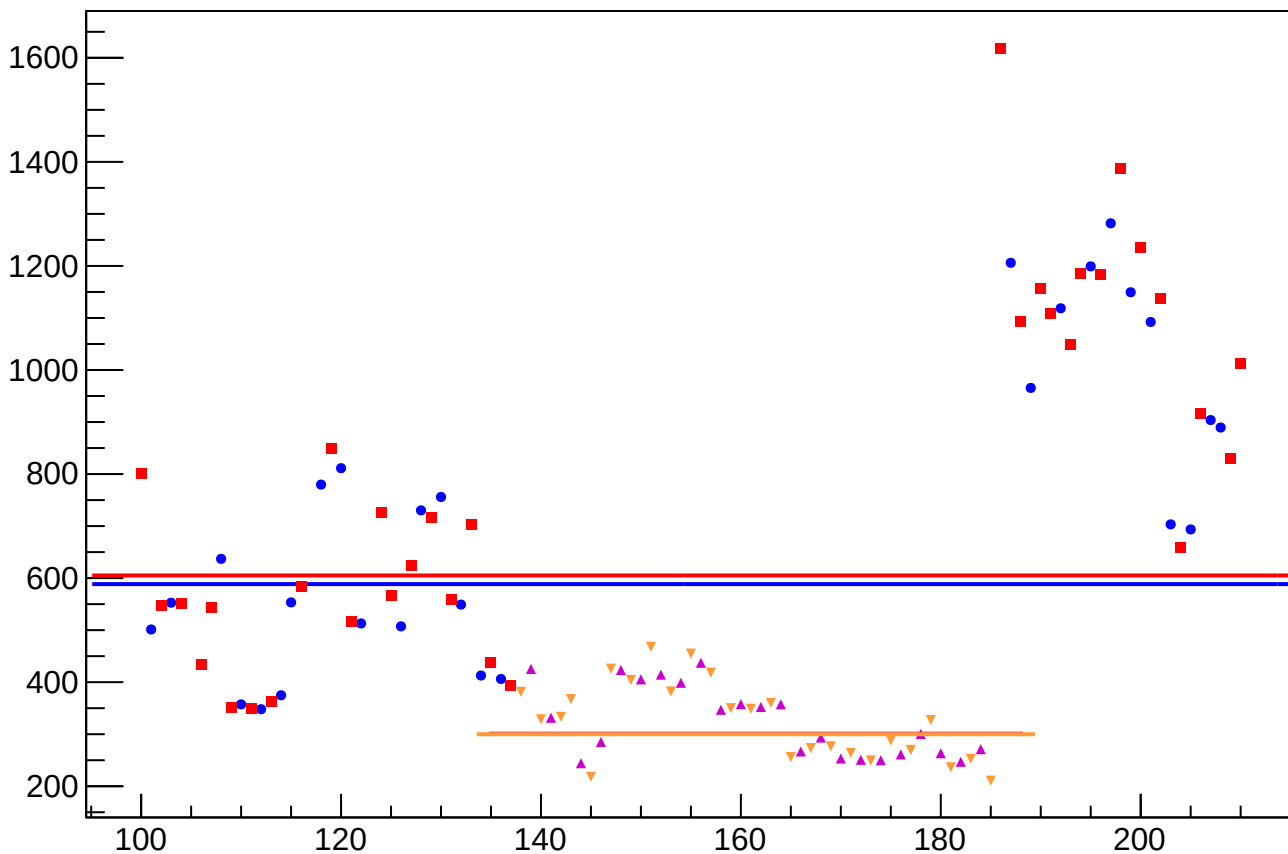
Left In: 4.015 ± 71.981 χ^2/NDF : 32.4/22

+ sign 220.154 ± 64.249 χ^2/NDF : 87.4/51

All: 152.742 ± 45.829 χ^2/NDF : 157.4/107

- sign 82.911 ± 65.391 χ^2/NDF : 67.7/55

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 588.498 $\pm$ 0.114 χ^2 /NDF: 4541648.6/26

Left Out: 299.976 $\pm$ 0.050 χ^2 /NDF:1808461.5/24

Right Out: 605.083 $\pm$ 0.111 χ^2 /NDF: 6092527.2/32

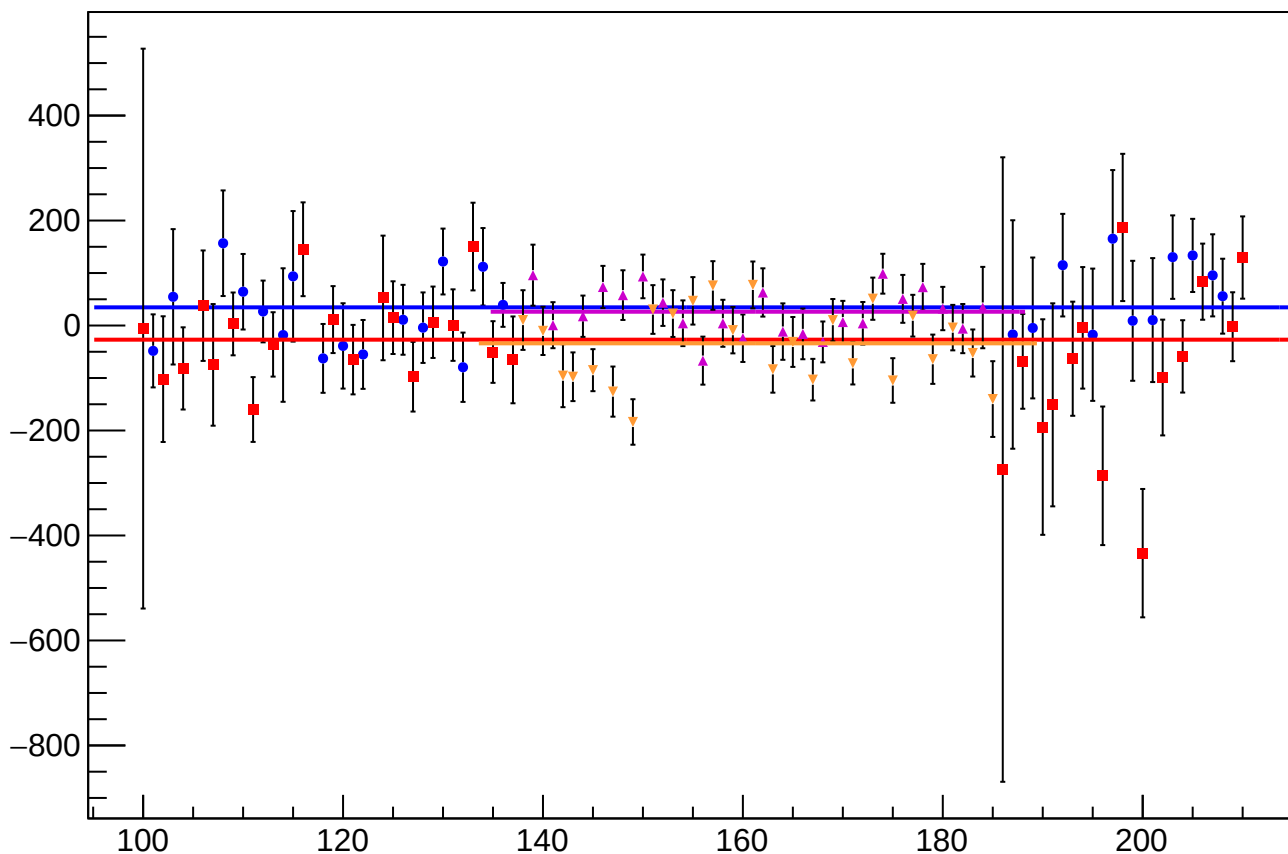
Left In: 301.000 $\pm$ 0.051 χ^2 /NDF:1407198.4/22

+ sign 346.083 $\pm$ 0.045 χ^2 /NDF: 11765436.6/51

All: 350.036 $\pm$ 0.032 χ^2 /NDF: 25516982.1/10

- sign 354.130 $\pm$ 0.046 χ^2 /NDF: 13736132.6/55

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 34.627 ± 14.988 χ^2/NDF : 21.1/26

Left Out: -33.955 ± 8.993 χ^2/NDF : 58.7/24

Right Out: -26.963 ± 14.565 χ^2/NDF : 43.9/32

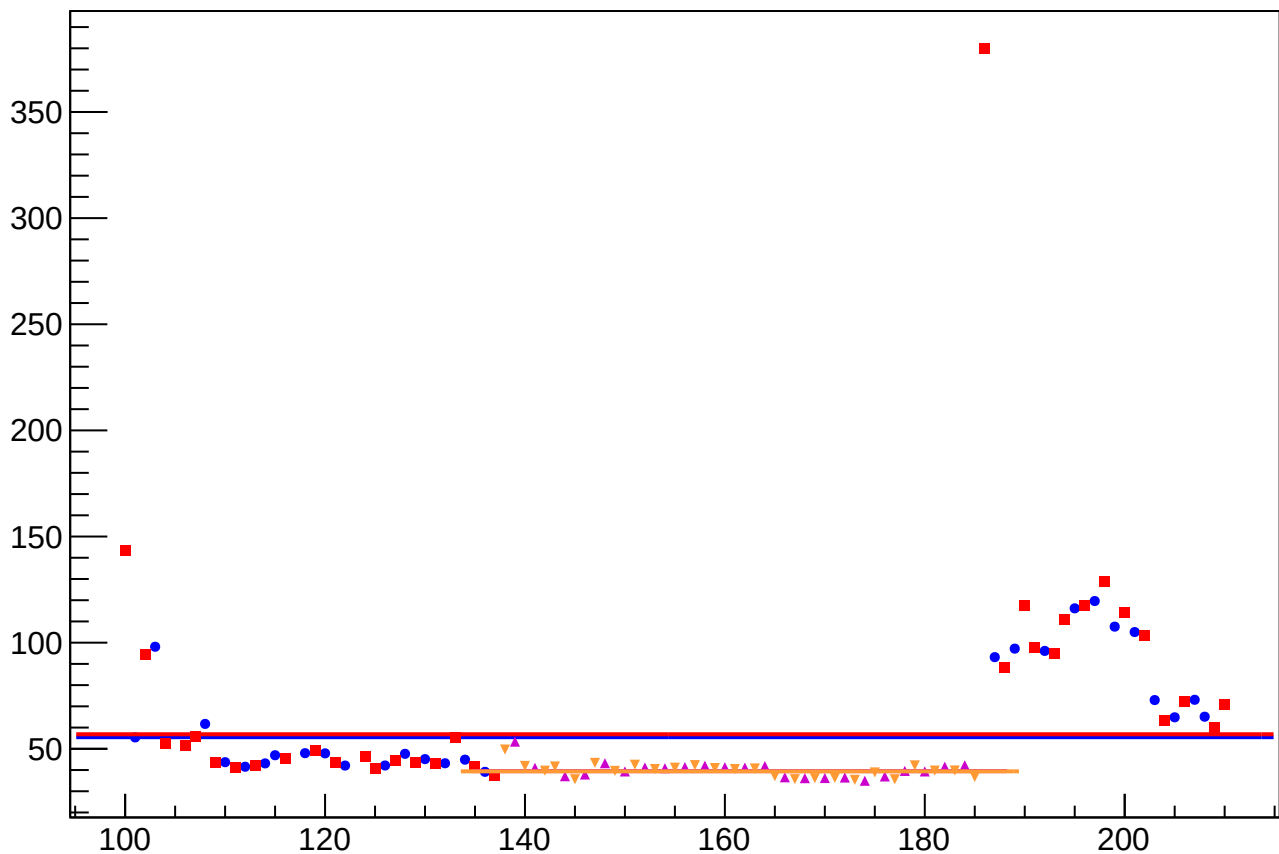
Left In: 26.267 ± 9.271 χ^2/NDF : 22.5/22

+ sign -15.799 ± 7.712 χ^2/NDF : 95.2/51

All: -2.630 ± 5.491 χ^2/NDF : 177.1/107

- sign 10.917 ± 7.821 χ^2/NDF : 75.9/55

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 55.478+/-0.011 χ^2/NDF : 3706942.3/26

Left Out: 39.383+/-0.006 χ^2/NDF : 228799.9/24

Right Out: 56.851+/-0.010 χ^2/NDF : 5045022.7/32

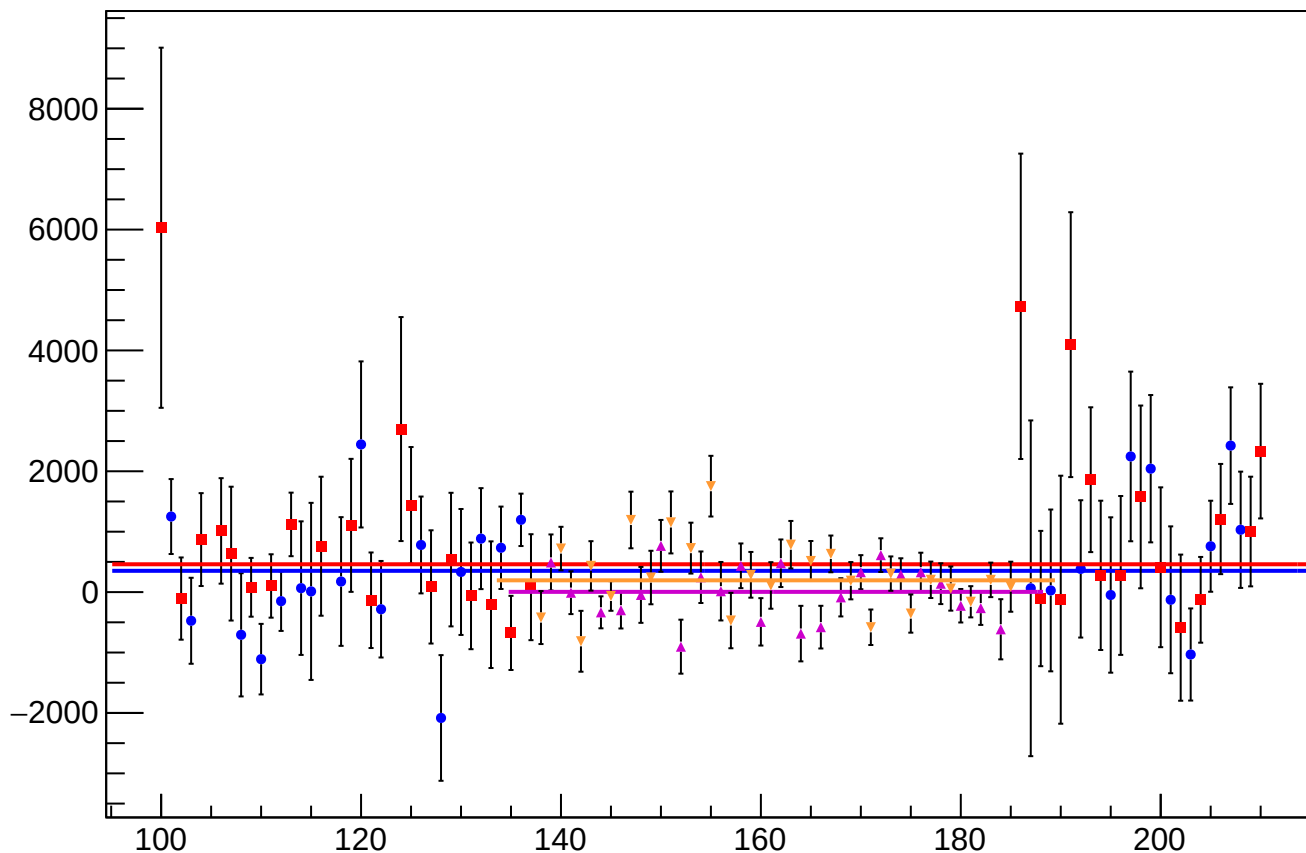
Left In: 39.491+/-0.007 χ^2/NDF : 251801.8/22

+ sign 43.644+/-0.005 χ^2/NDF : 5631568.4/51

All: 44.064+/-0.004 χ^2/NDF : 12962417.6/107

- sign 44.497+/-0.006 χ^2/NDF : 7318774.7/55

asym_sam_15_37_dd_cor_correction_mean vs Slug



Right In: 352.256 ± 160.721 χ^2/NDF : 38.0/26

Left Out: 195.028 ± 70.093 χ^2/NDF : 48.6/24

Right Out: 460.771 ± 157.227 χ^2/NDF : 28.7/32

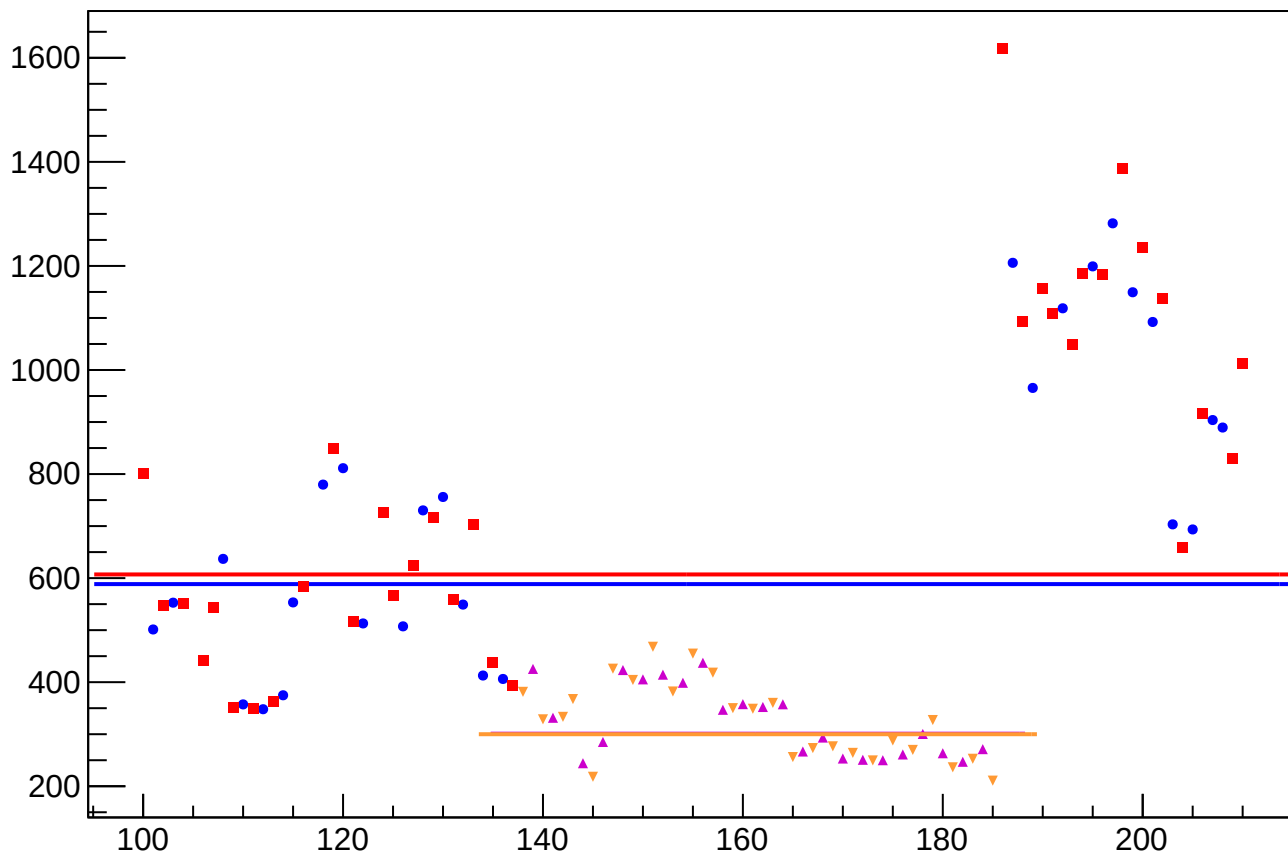
Left In: 4.014 ± 71.981 χ^2/NDF : 32.4/22

+ sign 220.154 ± 64.249 χ^2/NDF : 87.4/51

All: 152.923 ± 45.849 χ^2/NDF : 157.7/107

- sign 83.160 ± 65.448 χ^2/NDF : 68.1/55

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 588.501 $\pm$ 0.114 χ^2 /NDF: 4541640.6/26

Left Out: 299.976 $\pm$ 0.050 χ^2 /NDF:1808454.4/24

Right Out: 607.063 $\pm$ 0.111 χ^2 /NDF: 6061819.5/32

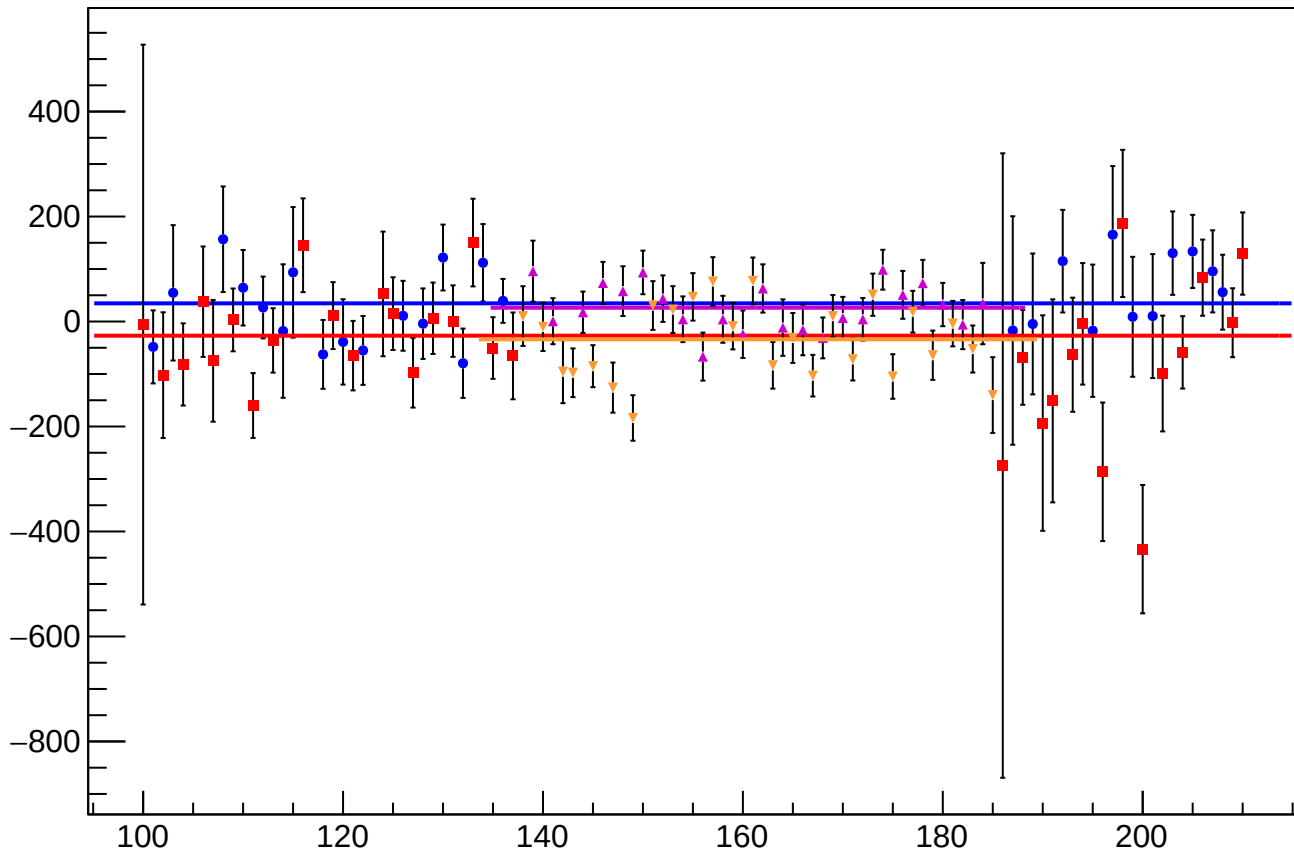
Left In: 300.999 $\pm$ 0.051 χ^2 /NDF:1407206.0/22

+ sign 346.083 $\pm$ 0.045 χ^2 /NDF: 11765476.8/51

All: 349.985 $\pm$ 0.032 χ^2 /NDF: 25515074.8/10

- sign 354.033 $\pm$ 0.046 χ^2 /NDF: 13734569.6/55

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 34.627 ± 14.988 χ^2/NDF : 21.1/26

Left Out: -33.955 ± 8.993 χ^2/NDF : 58.7/24

Right Out: -26.963 ± 14.565 χ^2/NDF : 43.9/32

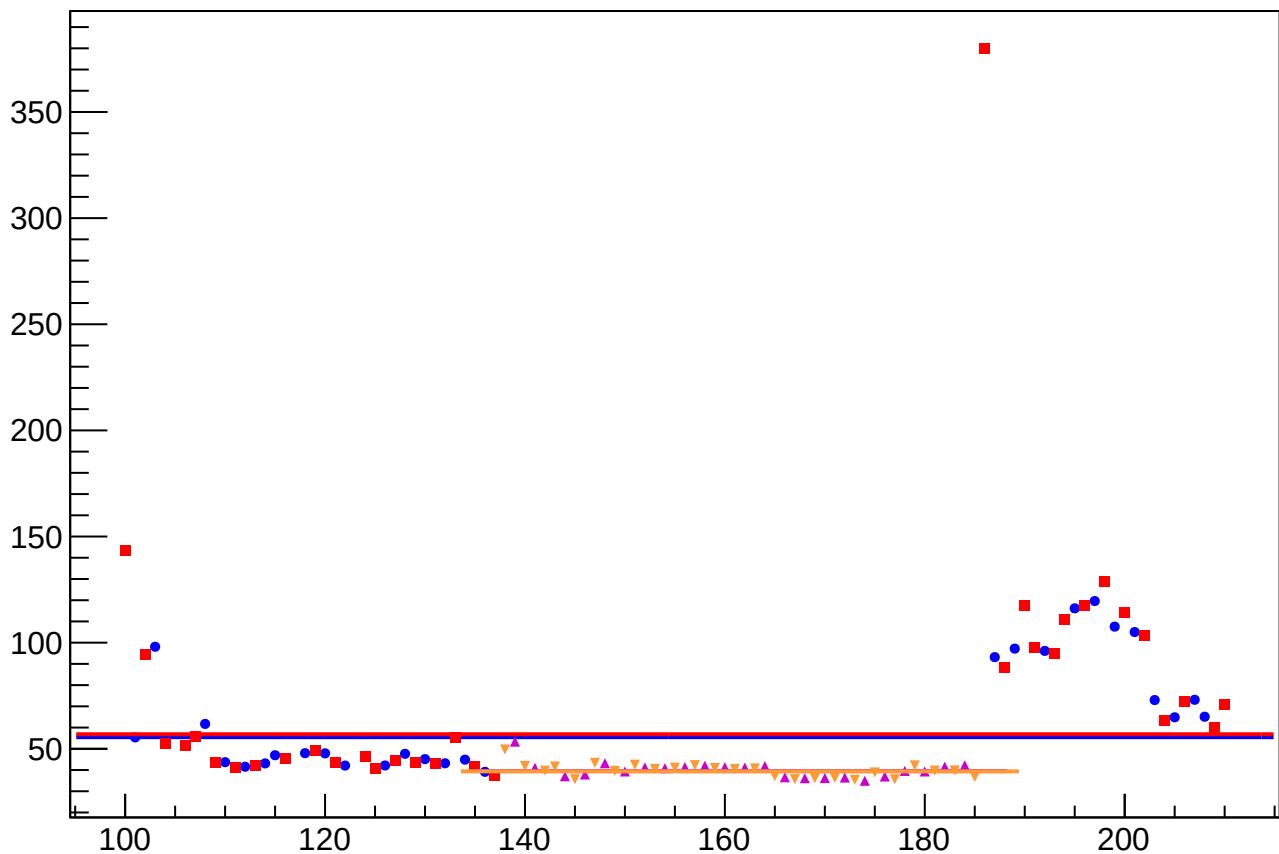
Left In: 26.267 ± 9.271 χ^2/NDF : 22.5/22

+ sign -15.799 ± 7.712 χ^2/NDF : 95.2/51

All: -2.630 ± 5.491 χ^2/NDF : 177.1/107

- sign 10.917 ± 7.821 χ^2/NDF : 75.9/55

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 55.478 $\pm$ 0.011 χ^2 /NDF: 3706942.3/26

Left Out: 39.383 $\pm$ 0.006 χ^2 /NDF: 228799.9/24

Right Out: 56.851 $\pm$ 0.010 χ^2 /NDF: 5045022.7/32

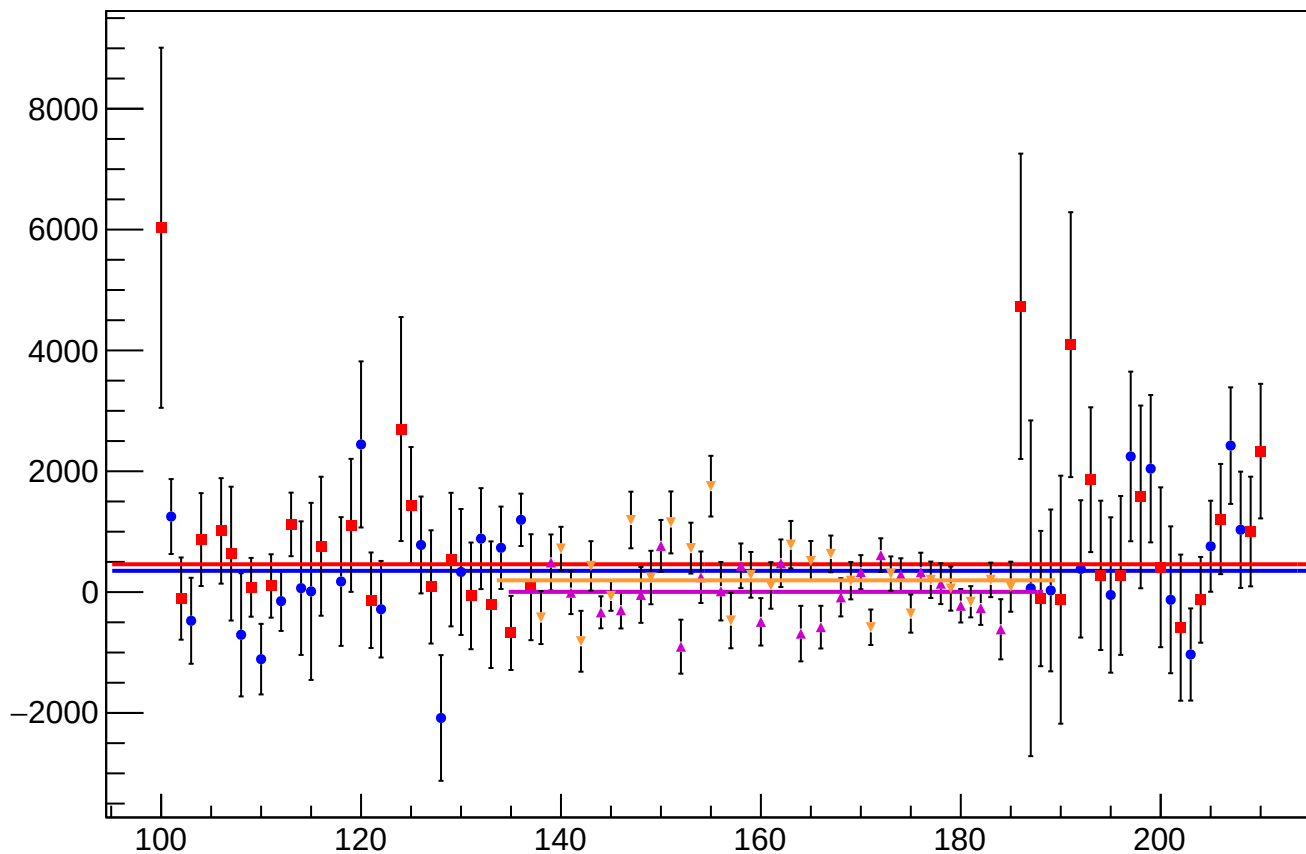
Left In: 39.491 $\pm$ 0.007 χ^2 /NDF: 251801.8/22

+ sign 43.644 $\pm$ 0.005 χ^2 /NDF: 5631568.4/51

All: 44.064 $\pm$ 0.004 χ^2 /NDF: 12962417.6/107

- sign 44.497 $\pm$ 0.006 χ^2 /NDF: 7318774.7/55

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug



Right In: 352.256 ± 160.721 $\chi^2/\text{NDF}: 38.0/26$

Left Out: 195.028 ± 70.093 $\chi^2/\text{NDF}: 48.6/24$

Right Out: 460.771 ± 157.227 $\chi^2/\text{NDF}: 28.7/32$

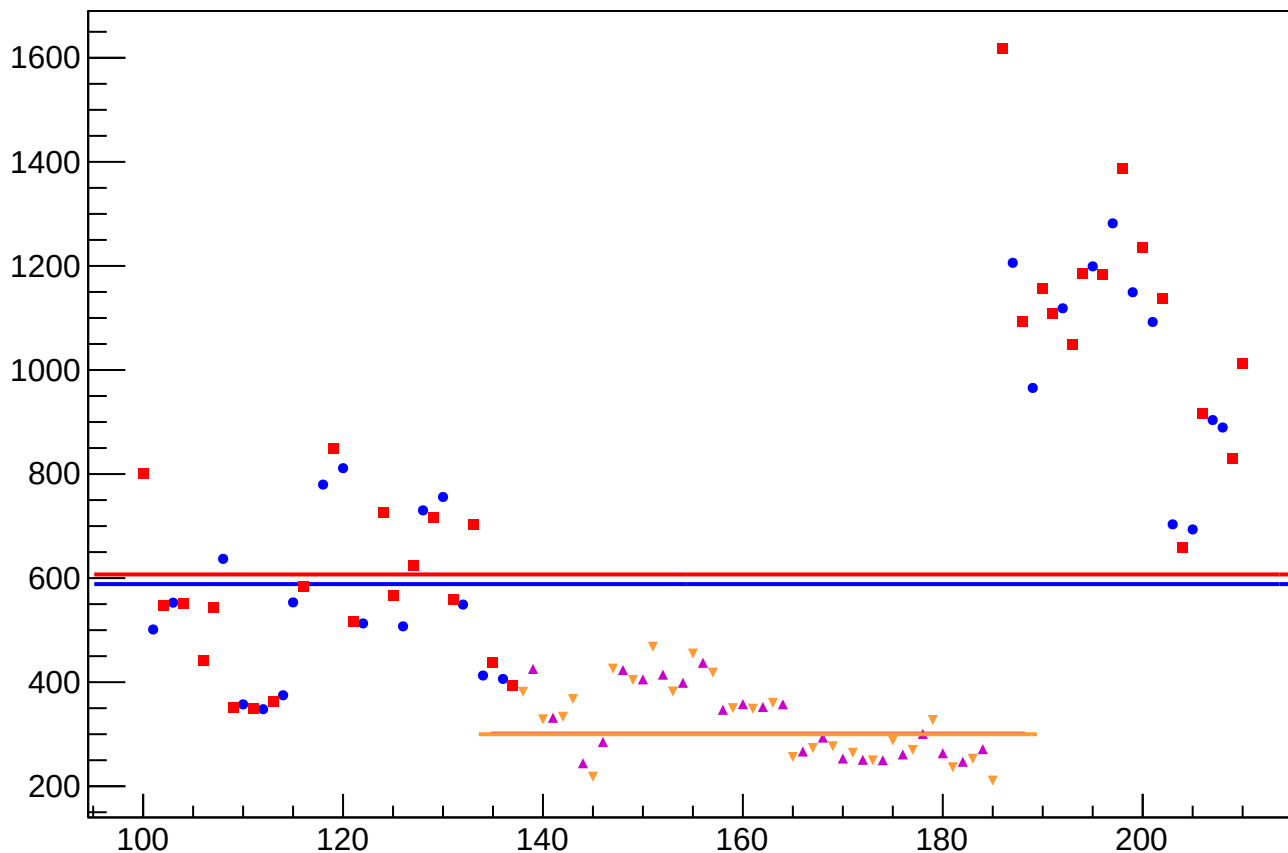
Left In: 4.014 ± 71.981 $\chi^2/\text{NDF}: 32.4/22$

+ sign 220.154 ± 64.249 $\chi^2/\text{NDF}: 87.4/51$

All: 152.923 ± 45.849 $\chi^2/\text{NDF}: 157.7/107$

- sign 83.160 ± 65.448 $\chi^2/\text{NDF}: 68.1/55$

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug



Right In: 588.501 $\pm$ 0.114 χ^2 /NDF: 4541640.6/26

Left Out: 299.976 $\pm$ 0.050 χ^2 /NDF:1808454.4/24

Right Out: 607.063 $\pm$ 0.111 χ^2 /NDF: 6061819.5/32

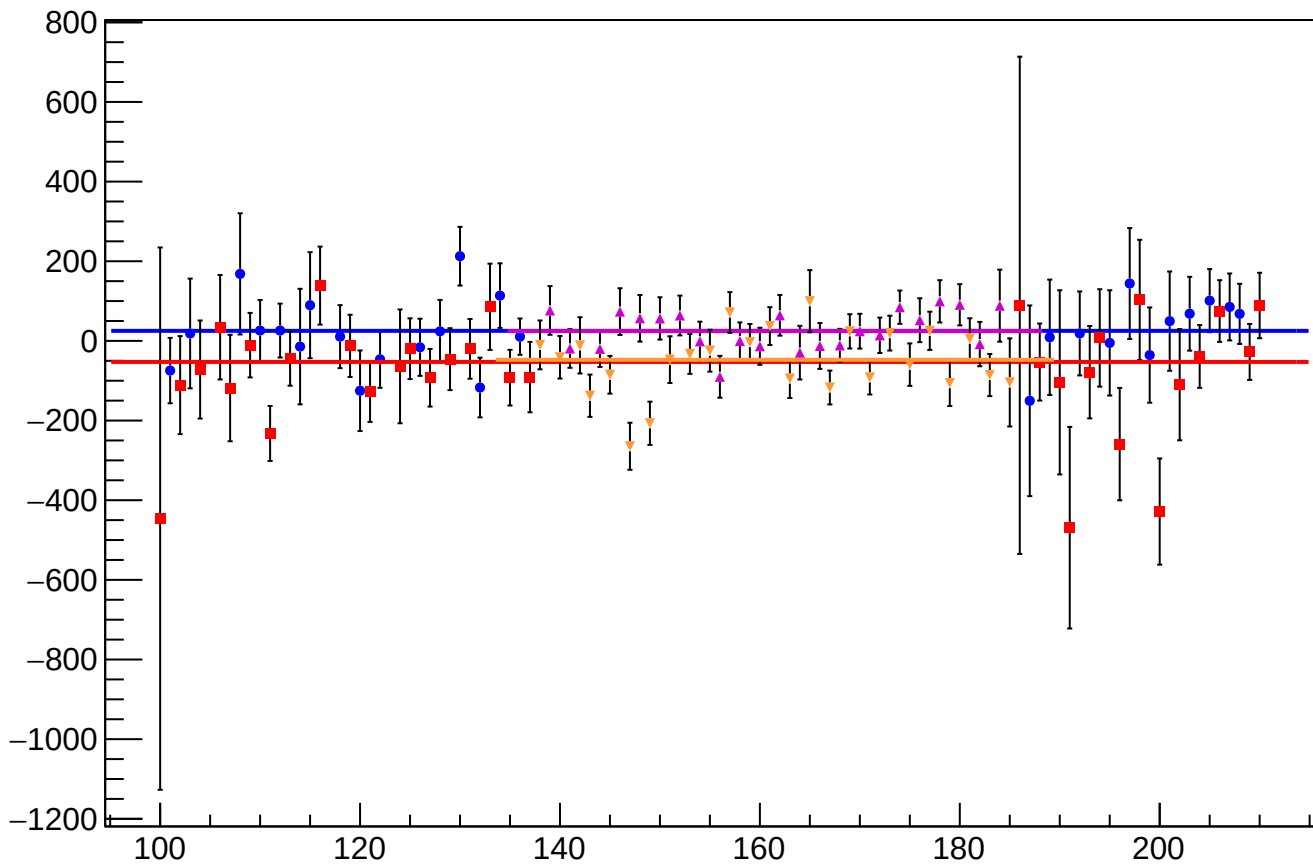
Left In: 300.999 $\pm$ 0.051 χ^2 /NDF:1407206.0/22

+ sign 346.083 $\pm$ 0.045 χ^2 /NDF: 11765476.8/51

All: 349.985 $\pm$ 0.032 χ^2 /NDF: 25515074.8/10

- sign 354.033 $\pm$ 0.046 χ^2 /NDF: 13734569.6/55

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 25.240 ± 16.832 $\chi^2/\text{NDF}: 21.2/26$

Left Out: -47.480 ± 10.392 $\chi^2/\text{NDF}: 54.7/24$

Right Out: -52.843 ± 16.650 $\chi^2/\text{NDF}: 36.5/32$

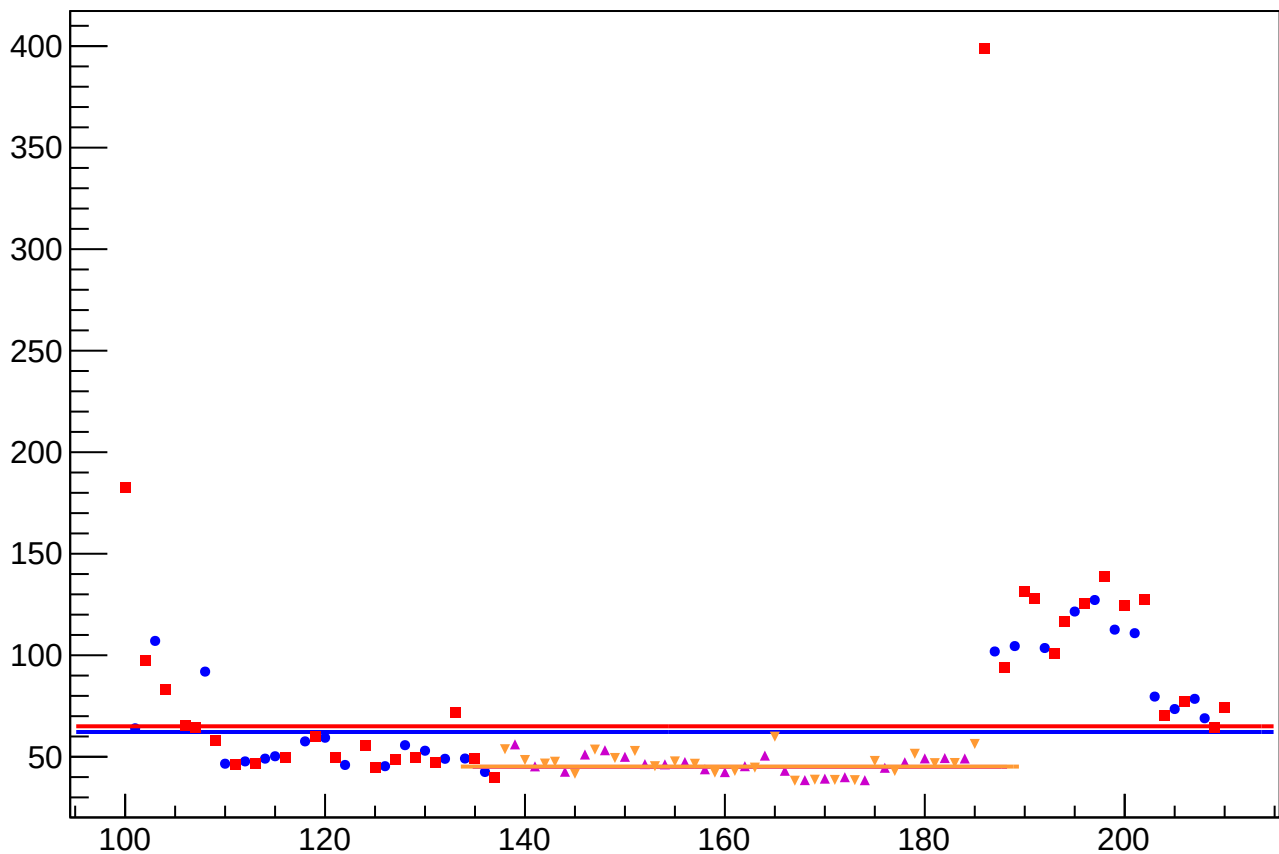
Left In: 24.687 ± 10.660 $\chi^2/\text{NDF}: 19.7/22$

+ sign -27.411 ± 8.843 $\chi^2/\text{NDF}: 89.4/51$

All: -12.856 ± 6.300 $\chi^2/\text{NDF}: 166.4/107$

- sign 2.147 ± 8.978 $\chi^2/\text{NDF}: 71.6/55$

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 62.213+/-0.012 χ^2/NDF : 3485563.0/26

Left Out: 45.175+/-0.007 χ^2/NDF : 489860.2/24

Right Out: 65.021+/-0.012 χ^2/NDF : 4729677.7/32

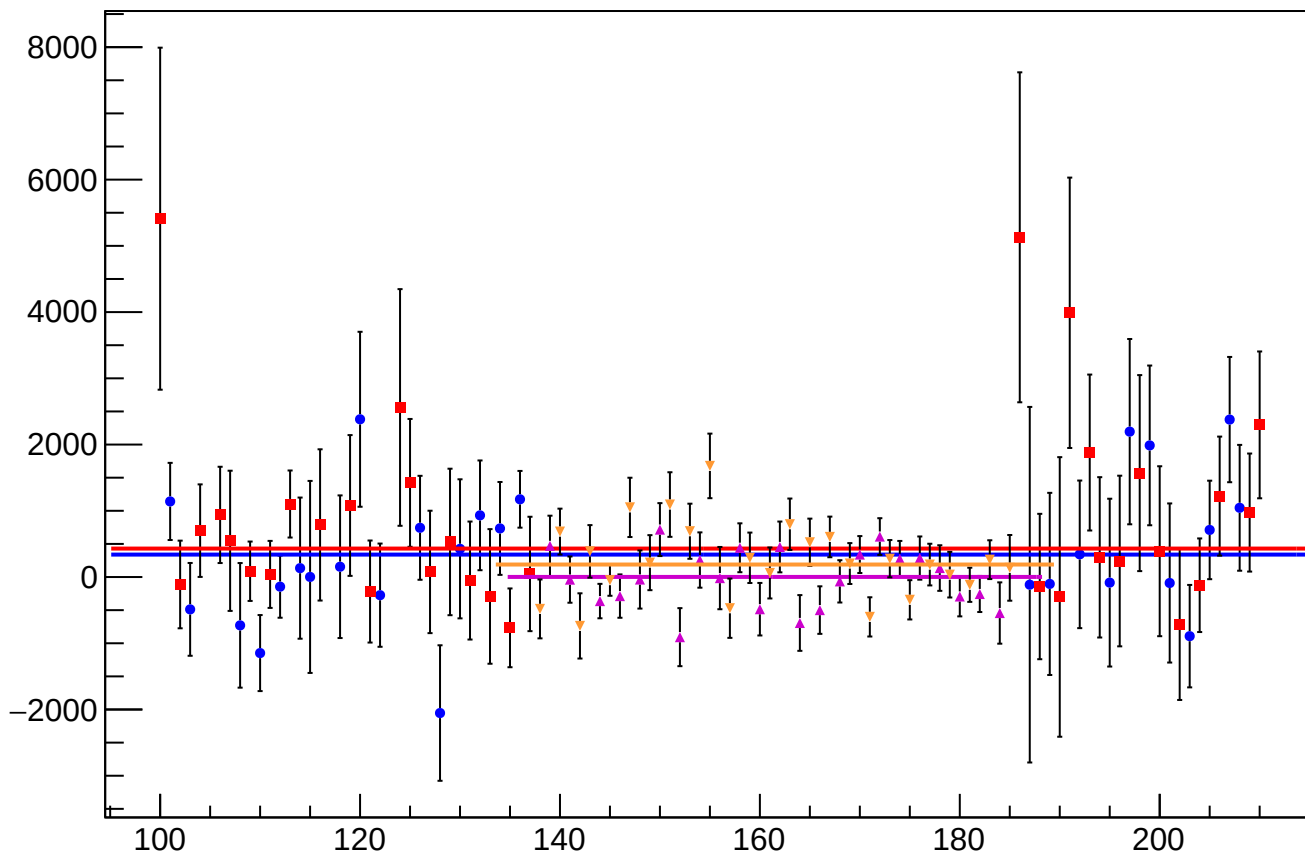
Left In: 45.017+/-0.008 χ^2/NDF : 372690.8/22

+ sign 49.877+/-0.006 χ^2/NDF : 5459009.0/51

All: 50.348+/-0.004 χ^2/NDF : 12620449.0/107

- sign 50.833+/-0.006 χ^2/NDF : 7149927.5/55

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 338.823 ± 157.597 χ^2/NDF : 37.8/26

Left Out: 188.812 ± 69.714 χ^2/NDF : 46.8/24

Right Out: 429.704 ± 151.144 χ^2/NDF : 31.6/32

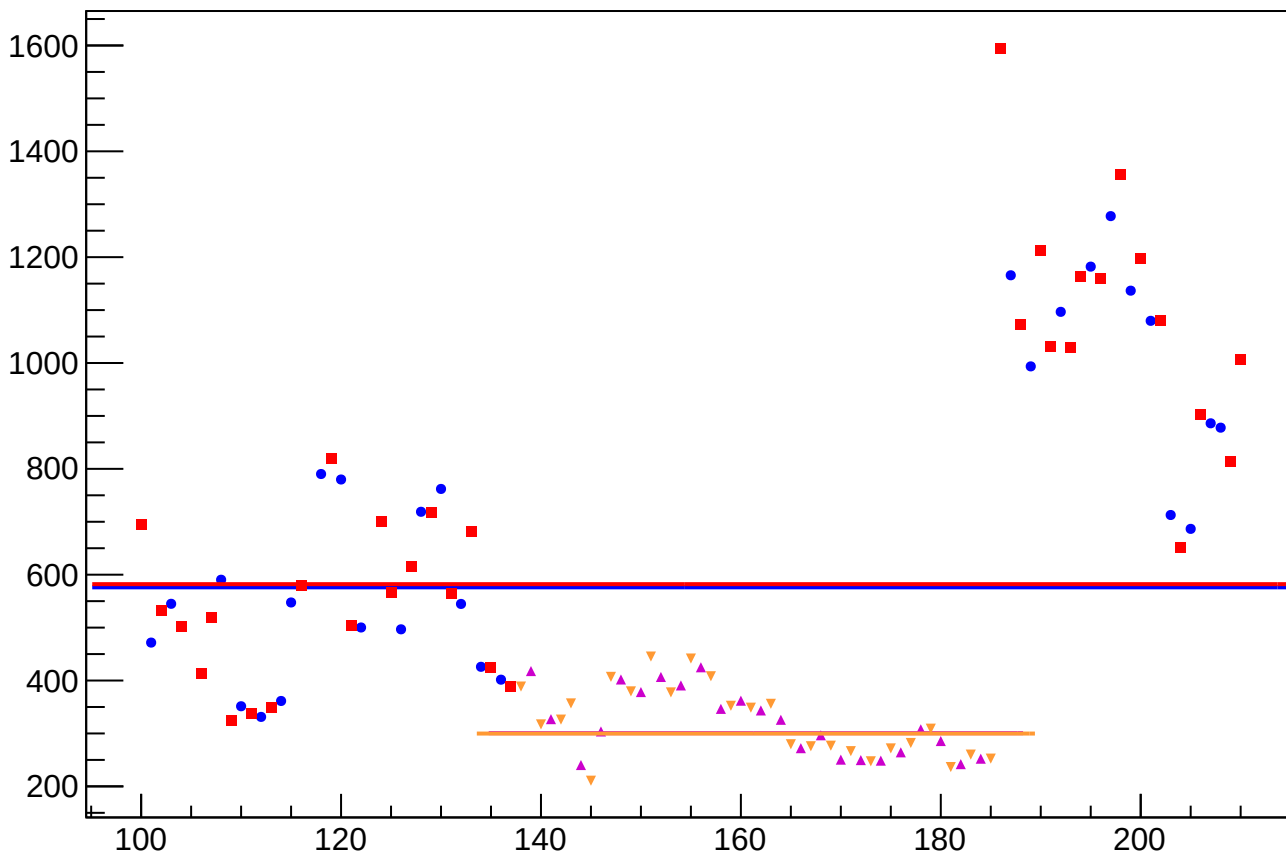
Left In: 1.655 ± 71.712 χ^2/NDF : 32.2/22

+ sign 213.362 ± 63.755 χ^2/NDF : 85.4/51

All: 147.907 ± 45.443 χ^2/NDF : 157.9/107

- sign 80.309 ± 64.790 χ^2/NDF : 70.4/55

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 576.094+/-0.111 χ^2/NDF : 4681705.5/26

Left Out: 299.798+/-0.049 χ^2/NDF : 1577420.4/24

Right Out: 582.118+/-0.107 χ^2/NDF : 6375848.5/32

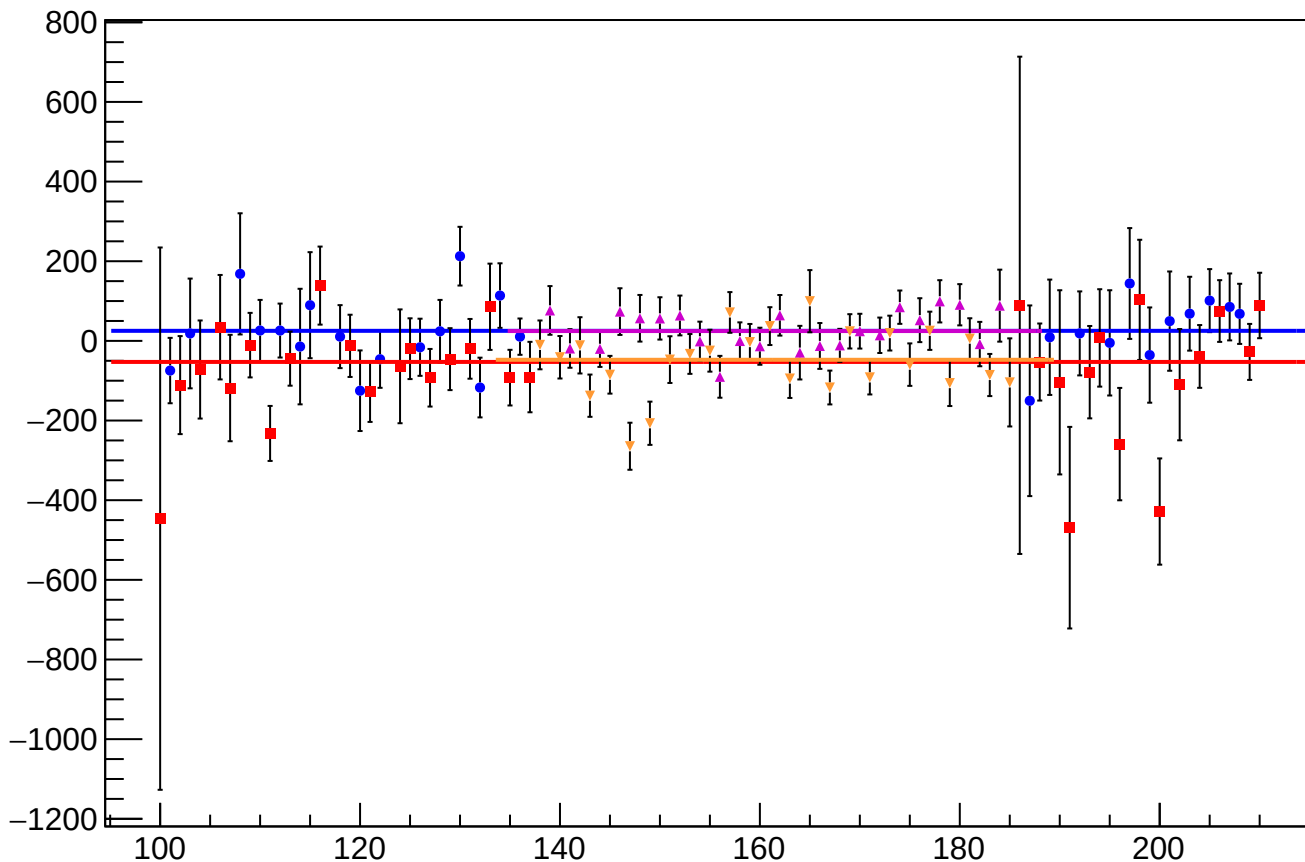
Left In: 300.544+/-0.051 χ^2/NDF : 1259270.5/22

+ sign 345.015+/-0.045 χ^2/NDF : 11400381.5/51

All: 348.591+/-0.032 χ^2/NDF : 24714007.4/10

- sign 352.283+/-0.046 χ^2/NDF : 13300837.9/55

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 25.239 ± 16.832 $\chi^2/\text{NDF}: 21.2/26$

Left Out: -47.480 ± 10.392 $\chi^2/\text{NDF}: 54.7/24$

Right Out: -52.844 ± 16.650 $\chi^2/\text{NDF}: 36.5/32$

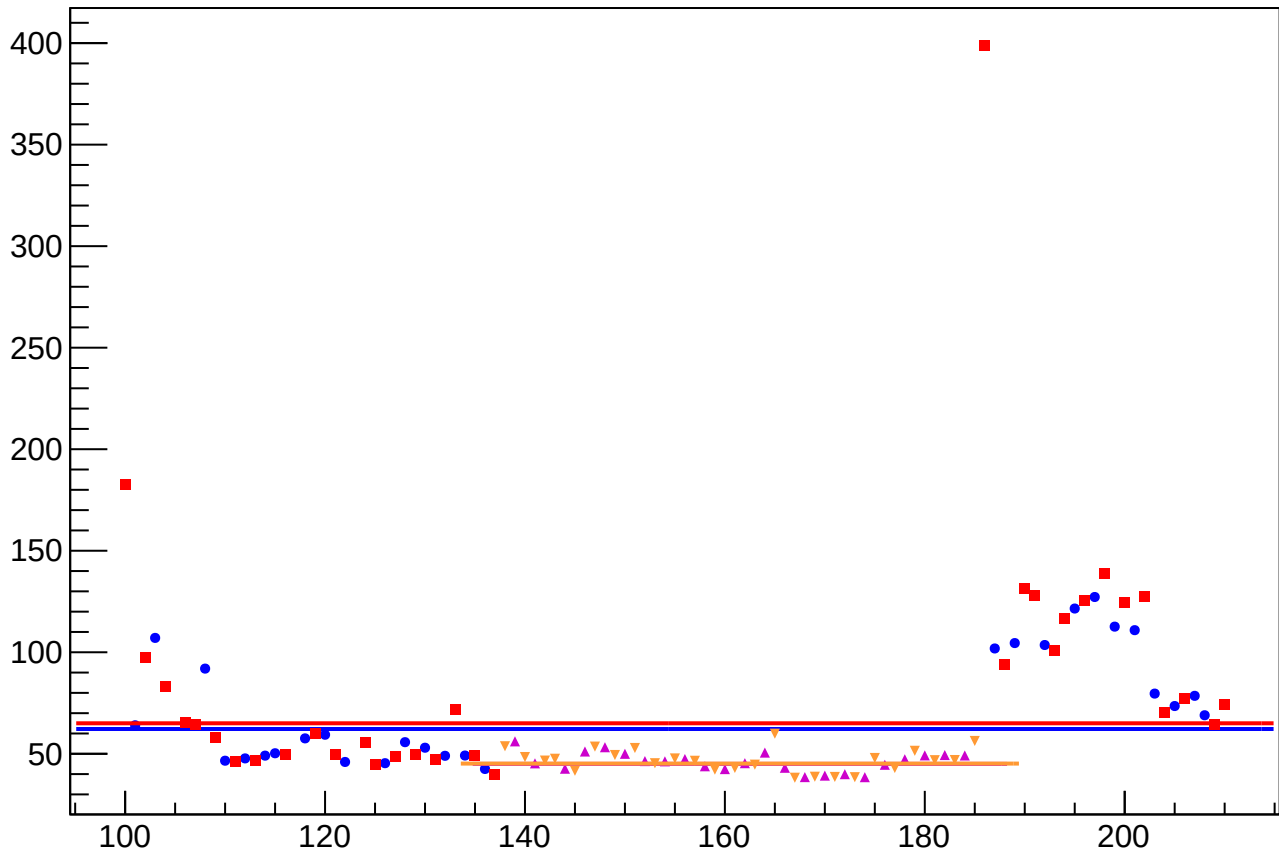
Left In: 24.687 ± 10.660 $\chi^2/\text{NDF}: 19.7/22$

+ sign -27.411 ± 8.843 $\chi^2/\text{NDF}: 89.4/51$

All: -12.856 ± 6.300 $\chi^2/\text{NDF}: 166.4/107$

- sign 2.147 ± 8.978 $\chi^2/\text{NDF}: 71.6/55$

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 62.213+/-0.012 χ^2/NDF : 3485568.0/26

Left Out: 45.175+/-0.007 χ^2/NDF : 489860.2/24

Right Out: 65.021+/-0.012 χ^2/NDF : 4729681.4/32

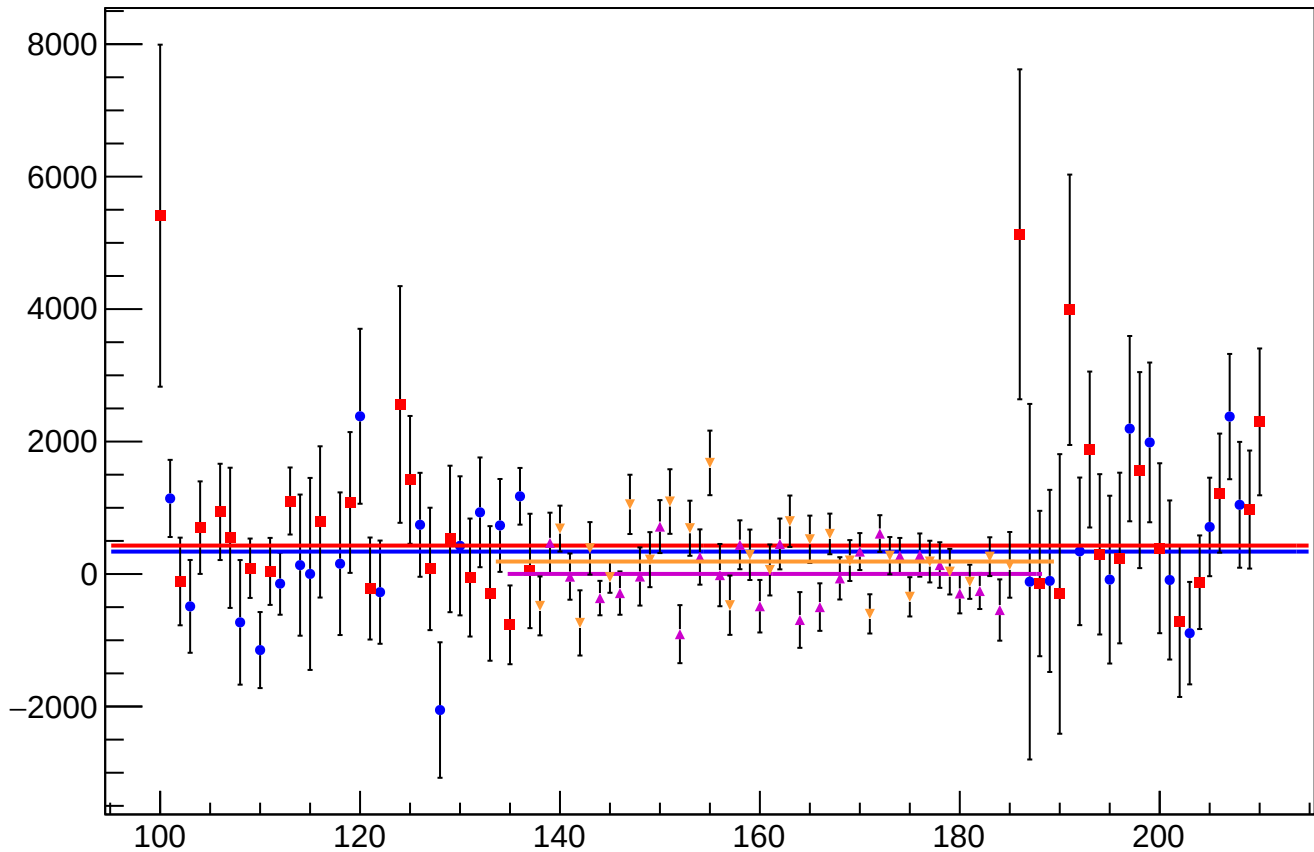
Left In: 45.017+/-0.008 χ^2/NDF : 372691.9/22

+ sign 49.877+/-0.006 χ^2/NDF : 5459015.9/51

All: 50.348+/-0.004 χ^2/NDF : 12620459.6/107

- sign 50.833+/-0.006 χ^2/NDF : 7149930.3/55

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug



Right In: 338.822 ± 157.597 $\chi^2/\text{NDF}: 37.8/26$

Left Out: 188.813 ± 69.714 $\chi^2/\text{NDF}: 46.8/24$

Right Out: 429.703 ± 151.144 $\chi^2/\text{NDF}: 31.6/32$

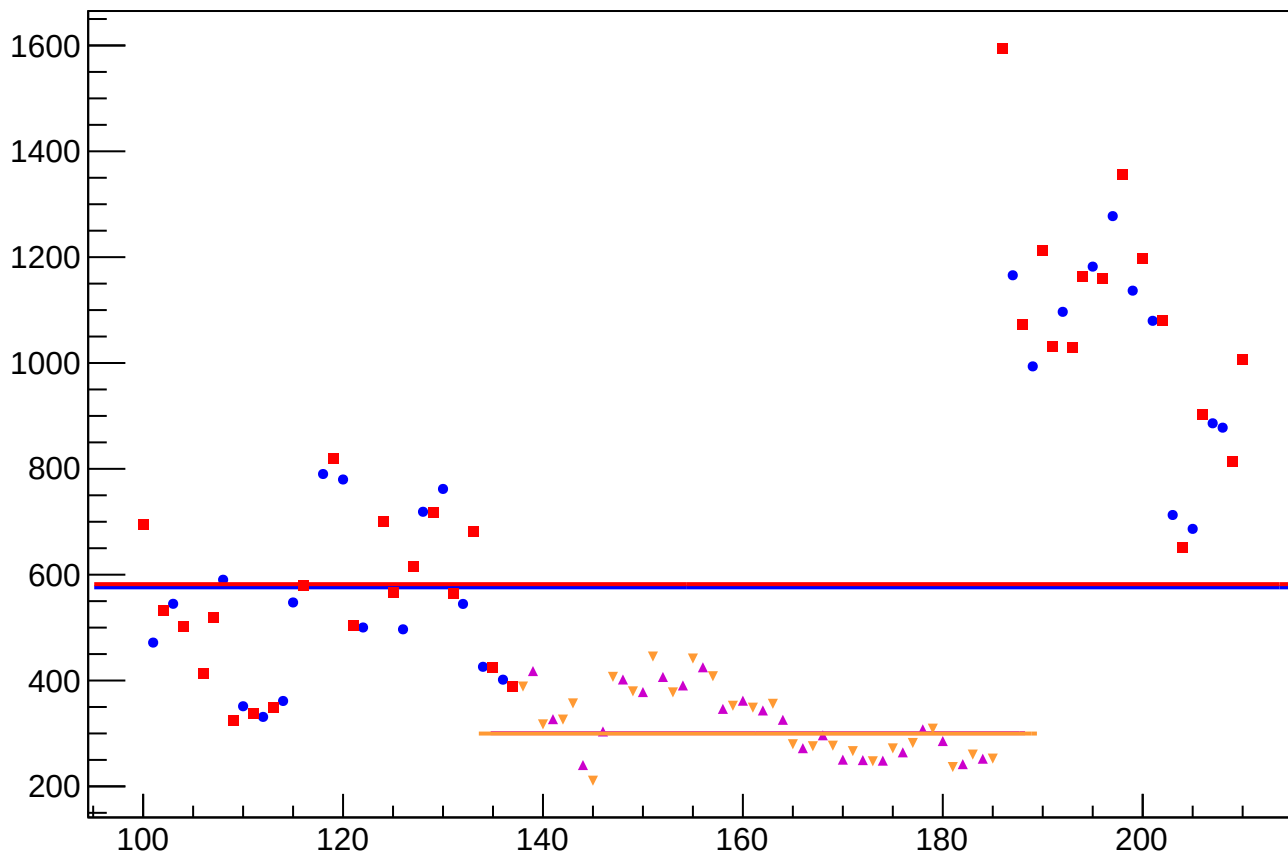
Left In: 1.654 ± 71.712 $\chi^2/\text{NDF}: 32.2/22$

+ sign 213.362 ± 63.755 $\chi^2/\text{NDF}: 85.4/51$

All: 147.907 ± 45.443 $\chi^2/\text{NDF}: 157.9/107$

- sign 80.309 ± 64.790 $\chi^2/\text{NDF}: 70.4/55$

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 576.094+/-0.111 χ^2/NDF : 4681719.3/26

Left Out: 299.798+/-0.049 χ^2/NDF : 1577421.4/24

Right Out: 582.117+/-0.107 χ^2/NDF : 6375859.7/32

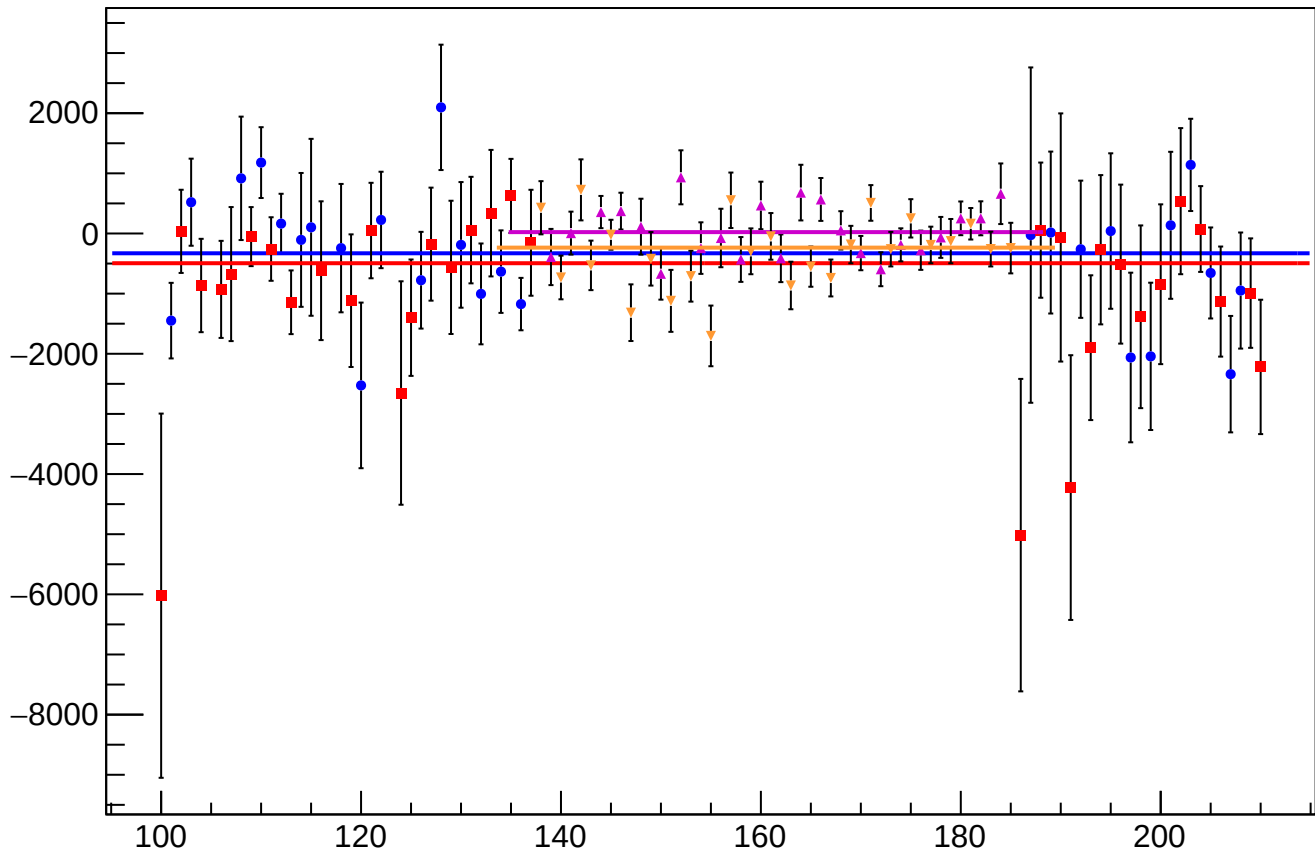
Left In: 300.544+/-0.051 χ^2/NDF : 1259265.2/22

+ sign 345.015+/-0.045 χ^2/NDF : 11400366.6/51

All: 348.591+/-0.032 χ^2/NDF : 24713957.6/10

- sign 352.284+/-0.046 χ^2/NDF : 13300802.4/55

asym_sam_15_37_dd_mean vs Slug



Right In: -329.188 ± 161.718 χ^2/NDF : 39.4/26

Left Out: -235.168 ± 70.741 χ^2/NDF : 47.5/24

Right Out: -494.413 ± 157.699 χ^2/NDF : 27.1/32

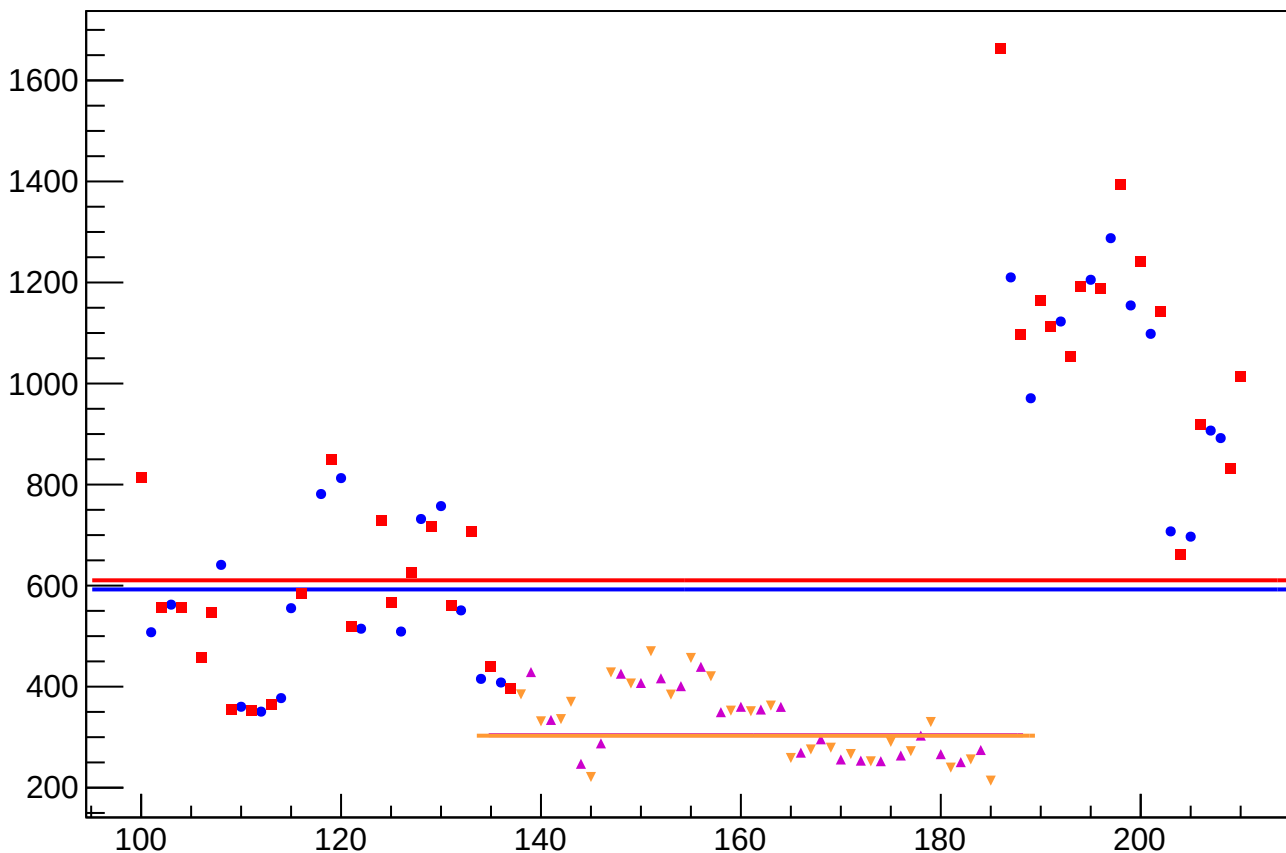
Left In: 22.662 ± 72.642 χ^2/NDF : 29.9/22

+ sign -250.269 ± 64.812 χ^2/NDF : 87.2/51

All: -160.687 ± 46.236 χ^2/NDF : 156.9/107

- sign -67.850 ± 65.979 χ^2/NDF : 65.8/55

asym_sam_15_37_dd_rms vs Slug



Right In: 592.423+/-0.114 χ^2/NDF : 4517087.3/26

Left Out: 302.944+/-0.050 χ^2/NDF : 1766061.8/24

Right Out: 610.486+/-0.112 χ^2/NDF : 6037247.7/32

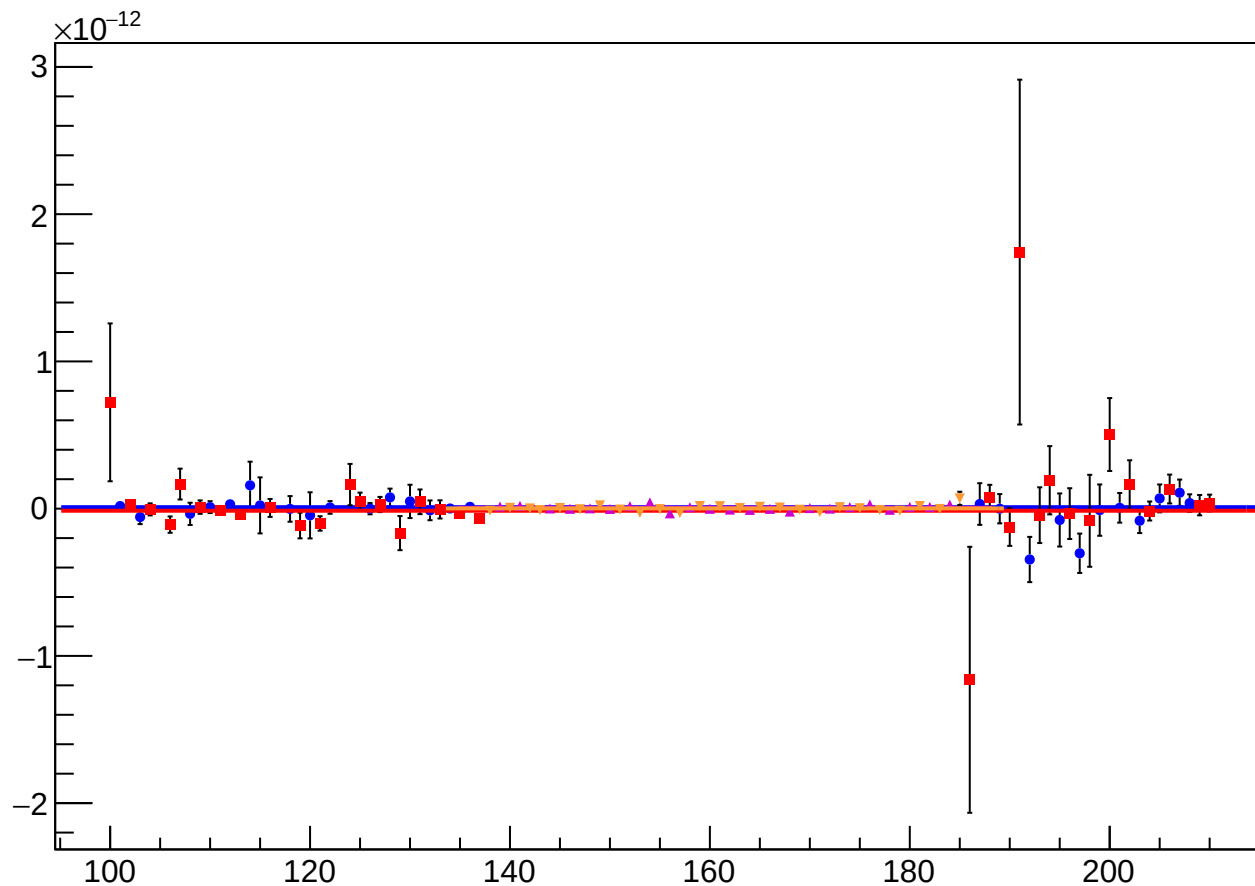
Left In: 303.923+/-0.051 χ^2/NDF : 1376278.3/22

+ sign 349.438+/-0.046 χ^2/NDF : 11662221.9/51

All: 353.439+/-0.033 χ^2/NDF : 25326367.9/10

- sign 357.586+/-0.047 χ^2/NDF : 13648625.8/55

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19.6/26

Left Out: 0.000+/-0.000 χ^2/NDF : 22.9/24

Right Out: -0.000+/-0.000 χ^2/NDF : 39.7/32

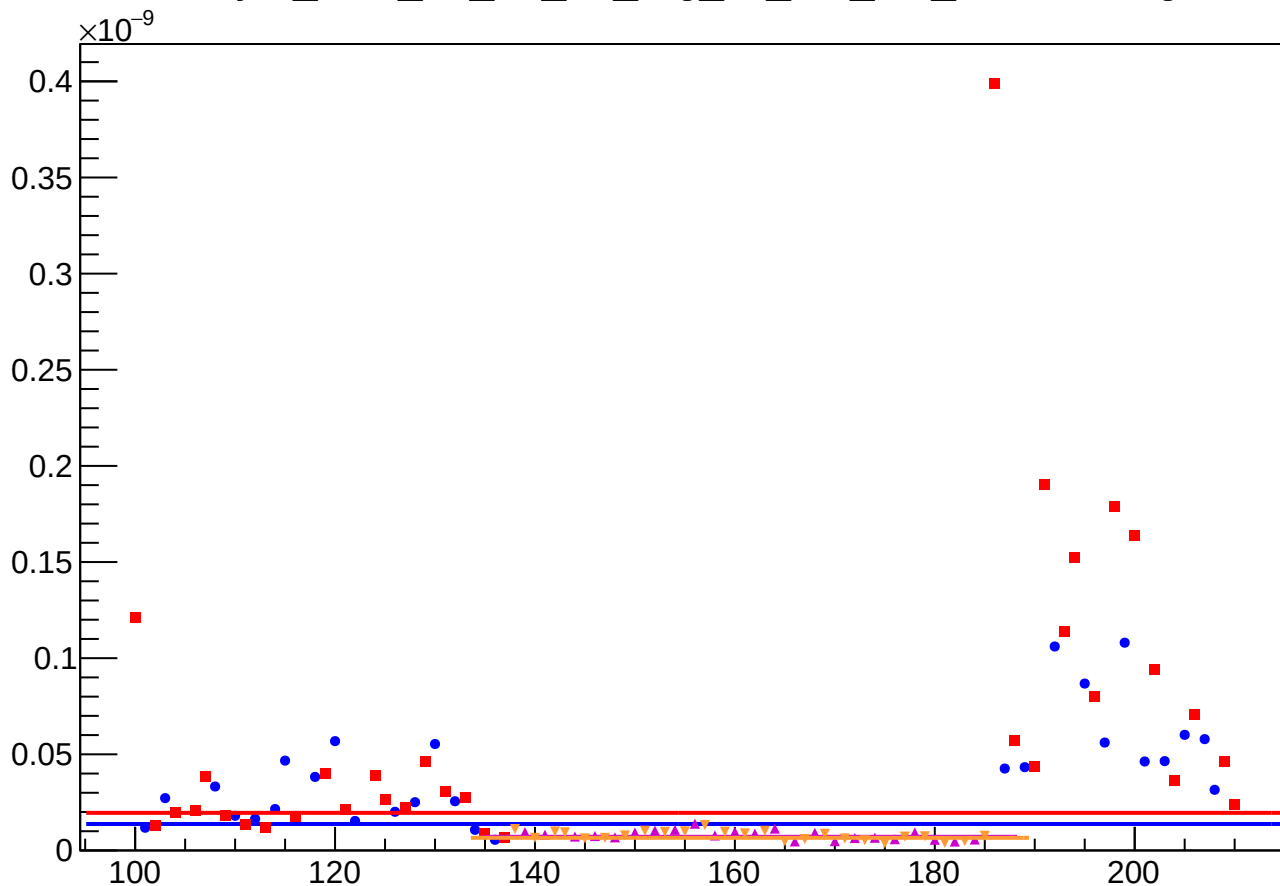
Left In: 0.000+/-0.000 χ^2/NDF : 18.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 43.4/51

All: 0.000+/-0.000 χ^2/NDF : 105.6/107

- sign 0.000+/-0.000 χ^2/NDF : 61.9/55

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6059152.8/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6335522.0/32

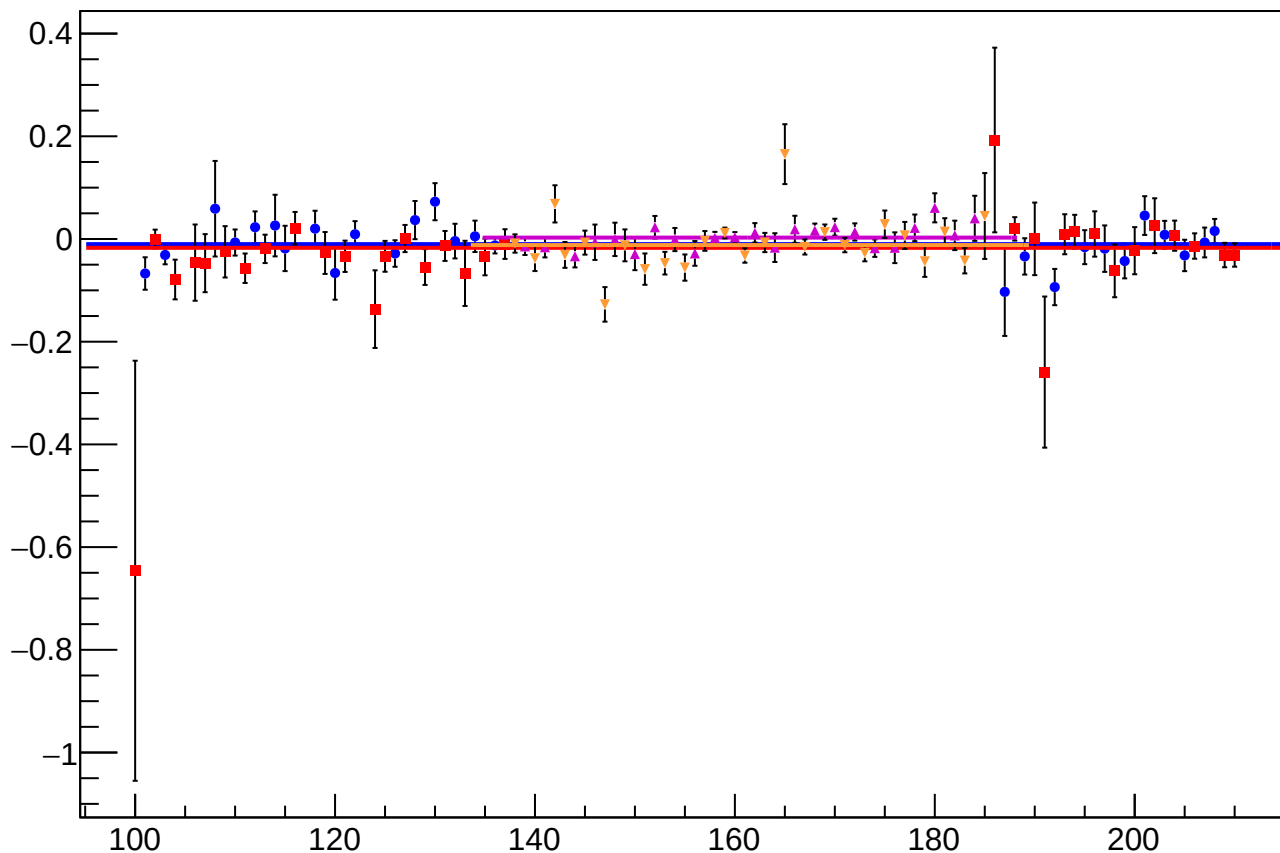
Left In: 0.000+/-0.000 χ^2/NDF : 981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 9086522.7/51

All: 0.000+/-0.000 χ^2/NDF : 19552106.2/107

- sign 0.000+/-0.000 χ^2/NDF : 10378978.4/55

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010 ± 0.006 χ^2/NDF : 29.4/26

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.017 ± 0.006 χ^2/NDF : 26.6/32

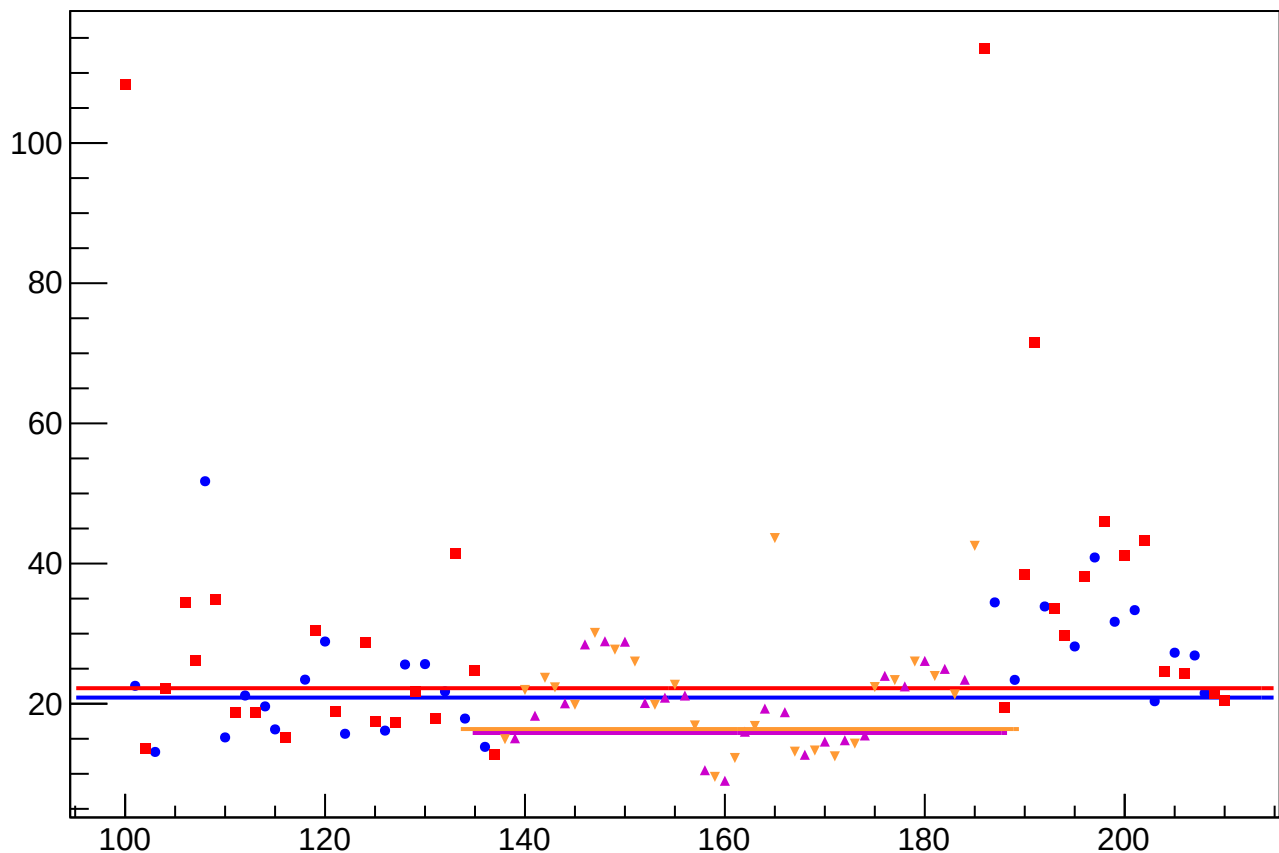
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.011 ± 0.003 χ^2/NDF : 82.9/51

All: -0.007 ± 0.002 χ^2/NDF : 139.6/107

- sign -0.004 ± 0.003 χ^2/NDF : 54.1/55

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.876+/-0.004 χ^2 /NDF: 2827780.8/26

Left Out: 16.387+/-0.003 χ^2 /NDF: 4030028.3/24

Right Out: 22.217+/-0.004 χ^2 /NDF: 4111804.3/32

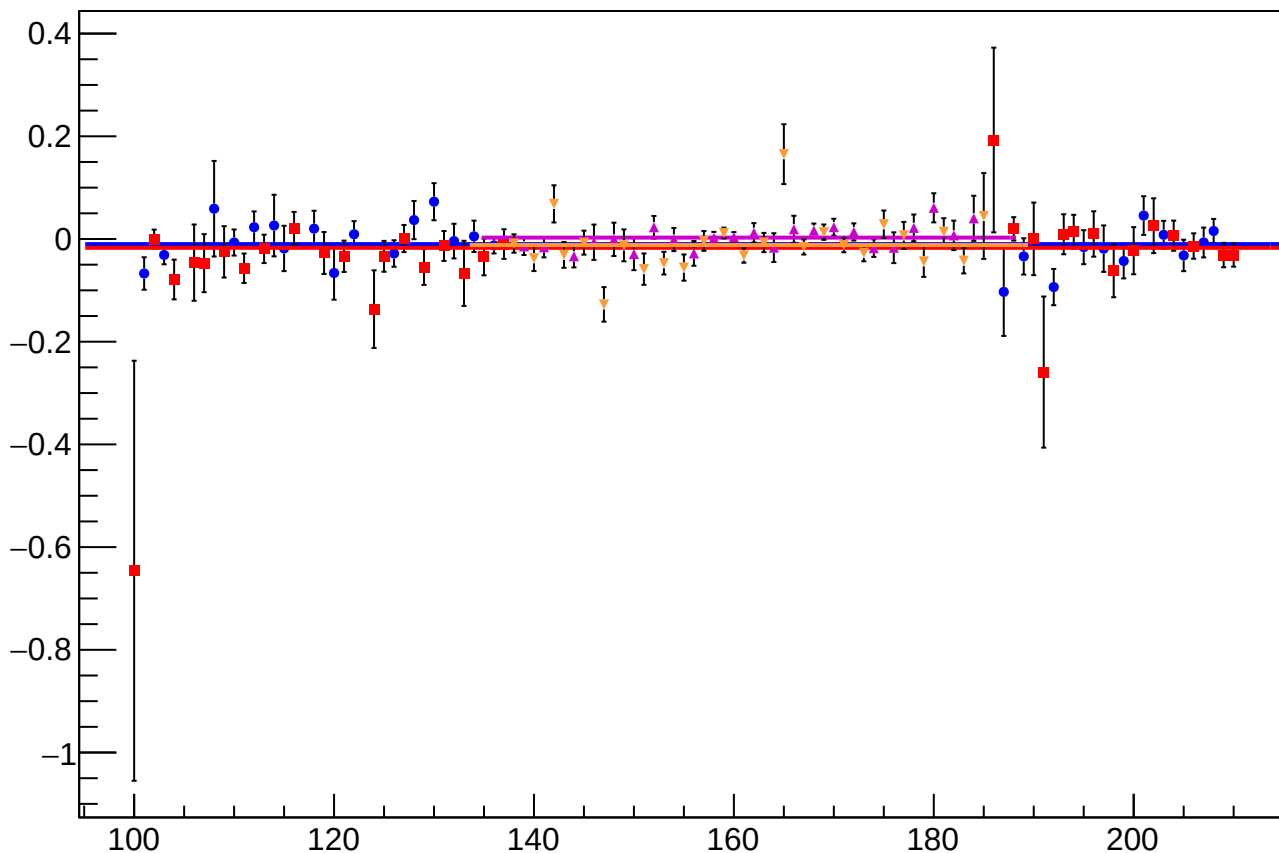
Left In: 15.824+/-0.003 χ^2 /NDF: 3654469.7/22

+ sign 17.857+/-0.002 χ^2 /NDF: 7655616.4/51

All: 17.859+/-0.002 χ^2 /NDF: 17018915.4/107

- sign 17.862+/-0.002 χ^2 /NDF: 9363296.2/55

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010 ± 0.006 χ^2/NDF : 29.4/26

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.017 ± 0.006 χ^2/NDF : 26.6/32

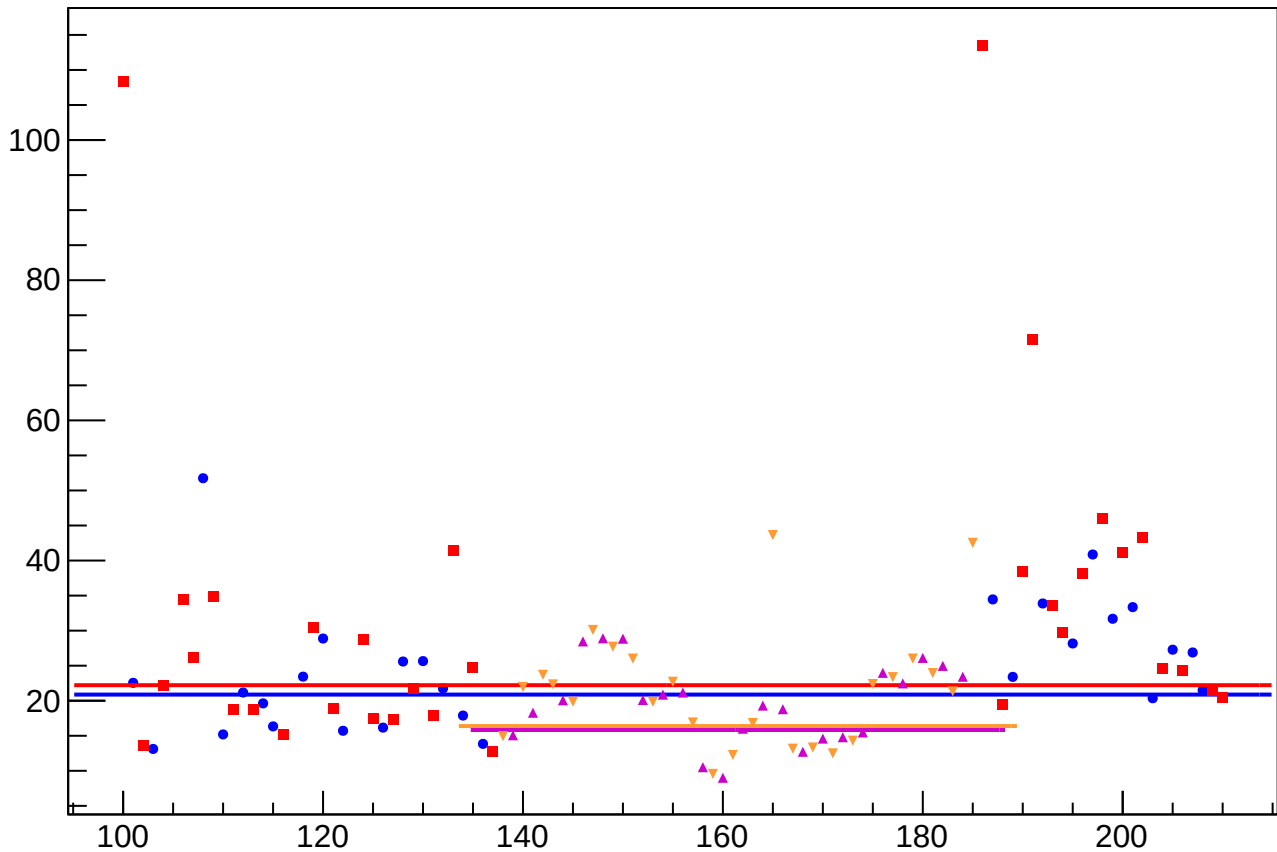
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.011 ± 0.003 χ^2/NDF : 82.9/51

All: -0.007 ± 0.002 χ^2/NDF : 139.6/107

- sign -0.004 ± 0.003 χ^2/NDF : 54.1/55

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.876 $\pm$ 0.004 χ^2 /NDF: 2827780.8/26

Left Out: 16.387 $\pm$ 0.003 χ^2 /NDF: 4030028.3/24

Right Out: 22.217 $\pm$ 0.004 χ^2 /NDF: 4111804.3/32

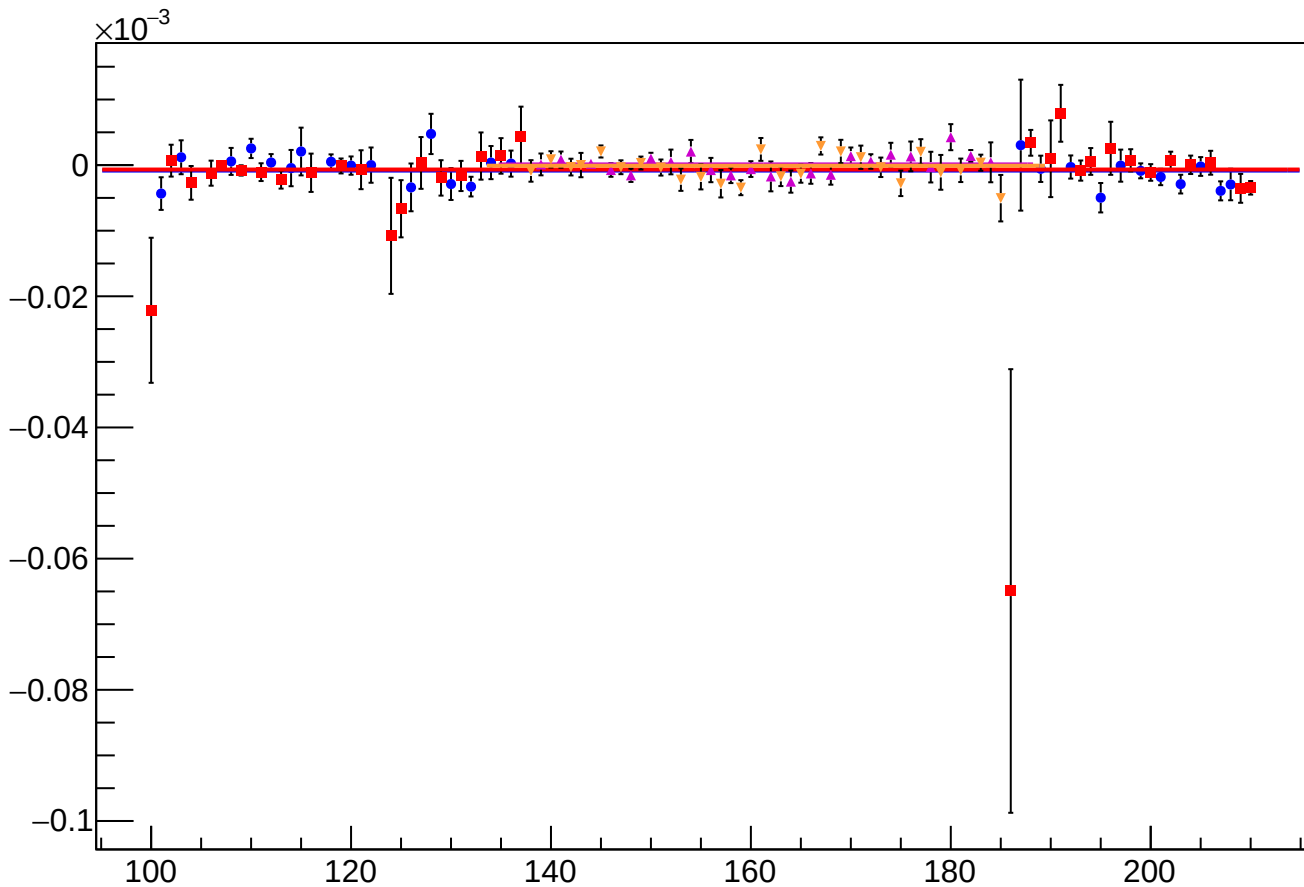
Left In: 15.824 $\pm$ 0.003 χ^2 /NDF: 3654469.7/22

+ sign 17.857 $\pm$ 0.002 χ^2 /NDF: 7655616.4/51

All: 17.859 $\pm$ 0.002 χ^2 /NDF: 17018915.4/107

- sign 17.862 $\pm$ 0.002 χ^2 /NDF: 9363296.2/55

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 31.4/26

Left Out: -0.000+/-0.000 χ^2 /NDF: 36.1/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 37.1/32

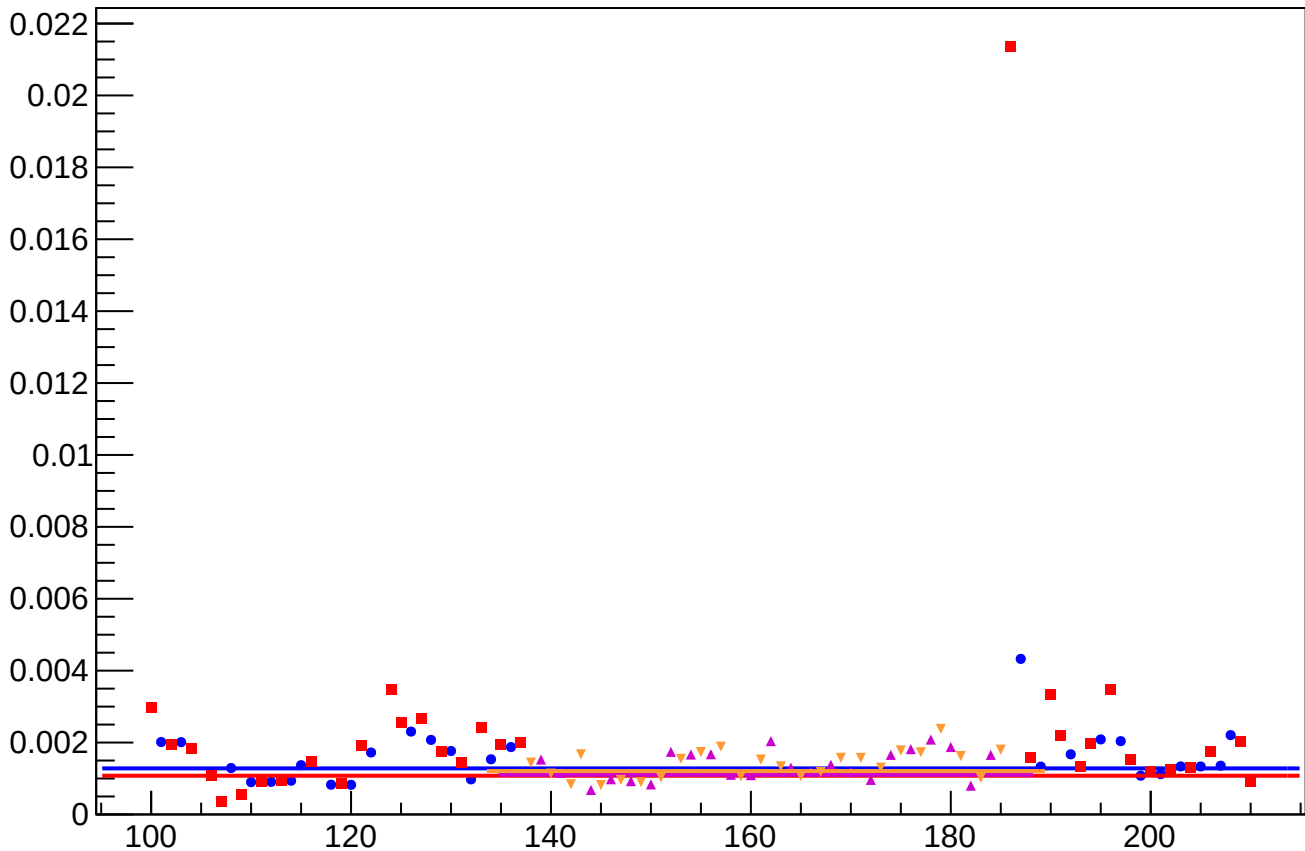
Left In: 0.000+/-0.000 χ^2 /NDF: 21.9/22

+ sign -0.000+/-0.000 χ^2 /NDF: 70.3/51

All: -0.000+/-0.000 χ^2 /NDF: 133.3/107

- sign -0.000+/-0.000 χ^2 /NDF: 62.8/55

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 3058076.6/26

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 2720984.6/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 8370120.8/32

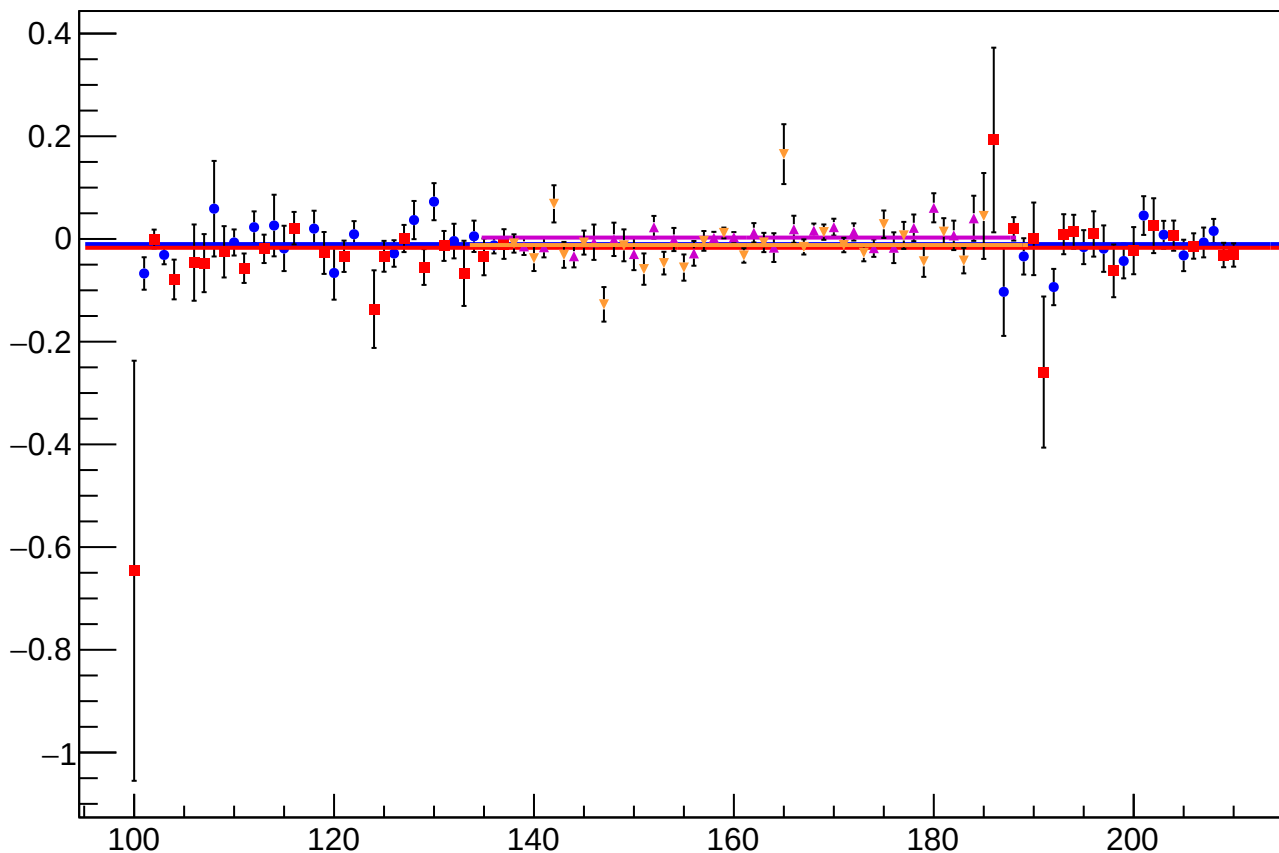
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 3494983.4/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5832343.3/51

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 18186823.0/107

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 11873920.1/55

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.010 ± 0.006 χ^2/NDF : 29.4/26

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.017 ± 0.006 χ^2/NDF : 26.6/32

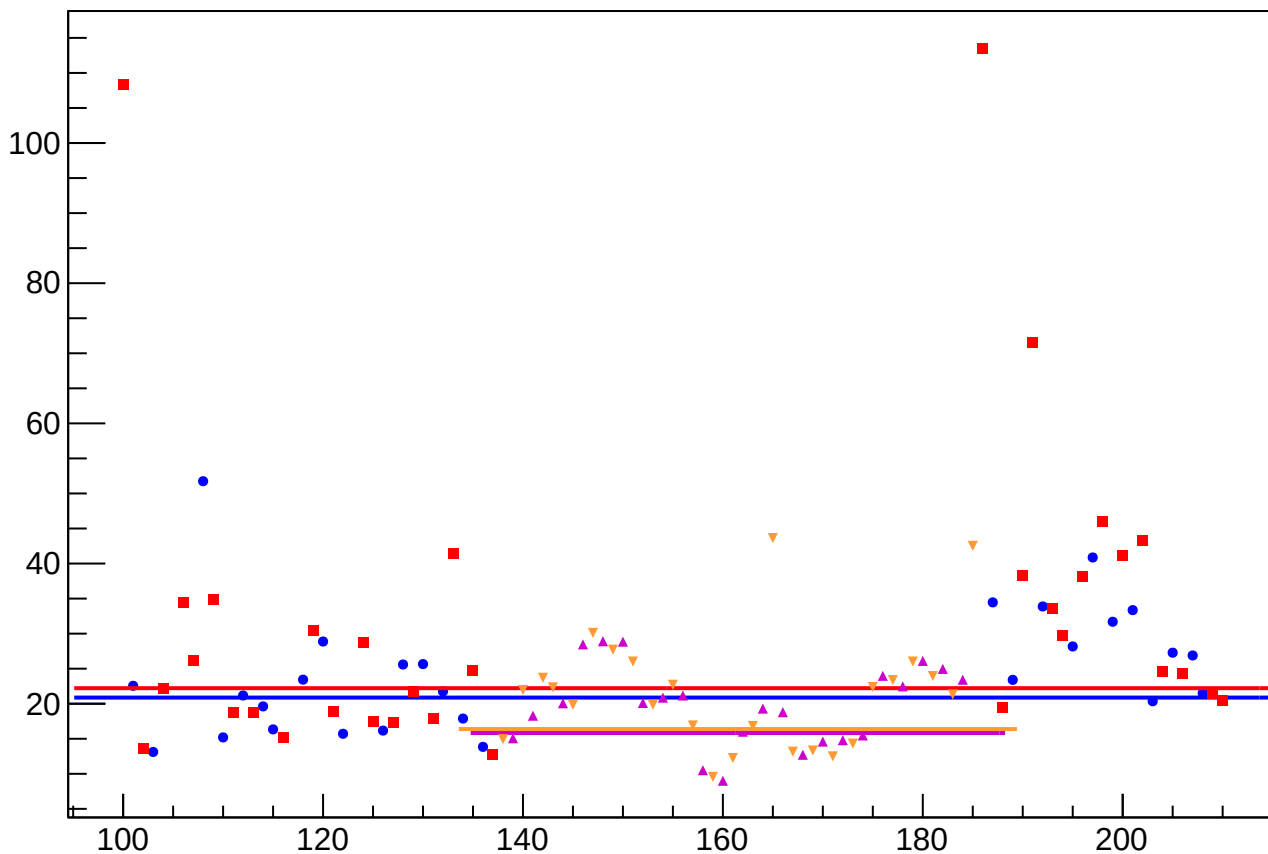
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.011 ± 0.003 χ^2/NDF : 82.9/51

All: -0.007 ± 0.002 χ^2/NDF : 139.6/107

- sign -0.004 ± 0.003 χ^2/NDF : 54.1/55

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.876 $\pm$ 0.004 χ^2 /NDF: 2827794.7/26

Left Out: 16.387 $\pm$ 0.003 χ^2 /NDF: 4030277.2/24

Right Out: 22.217 $\pm$ 0.004 χ^2 /NDF: 4111549.3/32

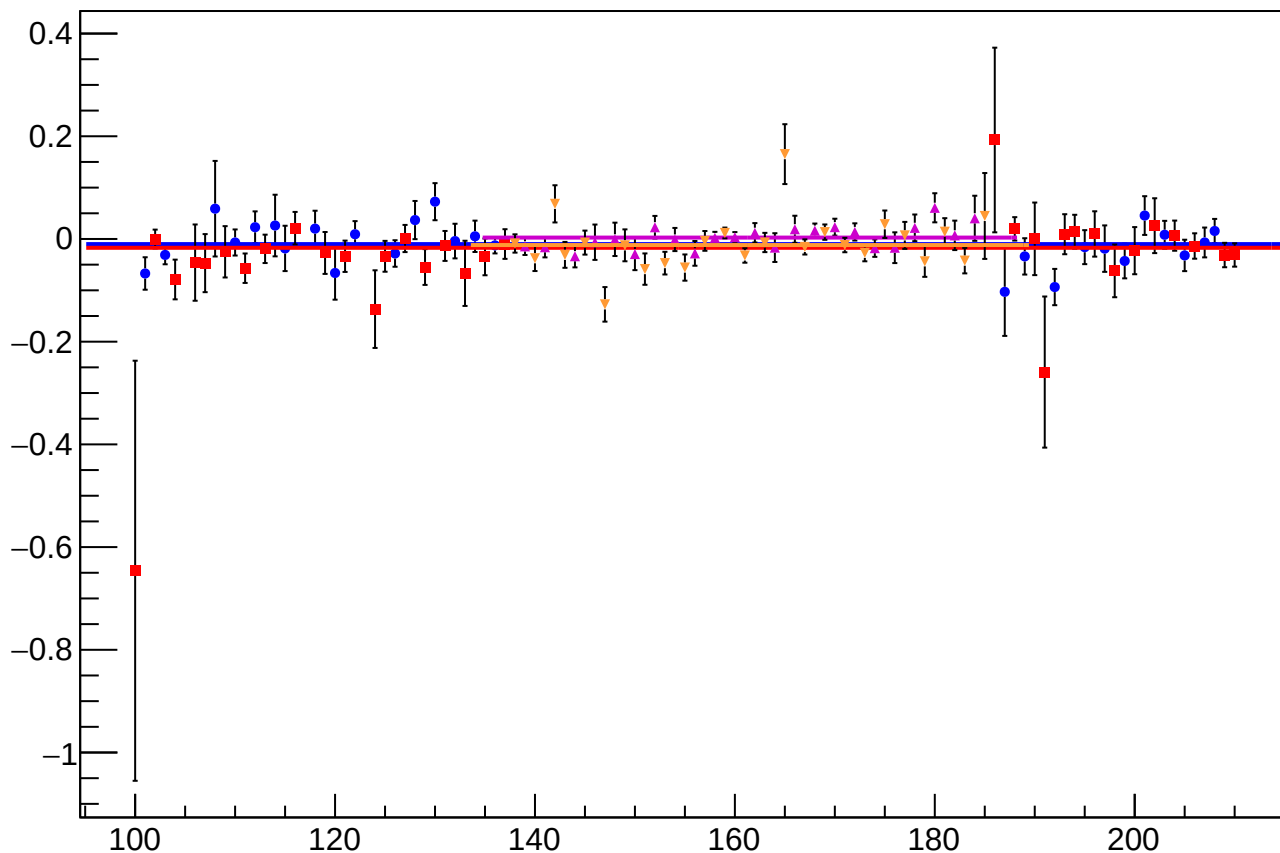
Left In: 15.823 $\pm$ 0.003 χ^2 /NDF: 3654834.3/22

+ sign 17.857 $\pm$ 0.002 χ^2 /NDF: 7655969.9/51

All: 17.859 $\pm$ 0.002 χ^2 /NDF: 17019686.8/107

- sign 17.862 $\pm$ 0.002 χ^2 /NDF: 9363714.1/55

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010 ± 0.006 χ^2/NDF : 29.4/26

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.017 ± 0.006 χ^2/NDF : 26.6/32

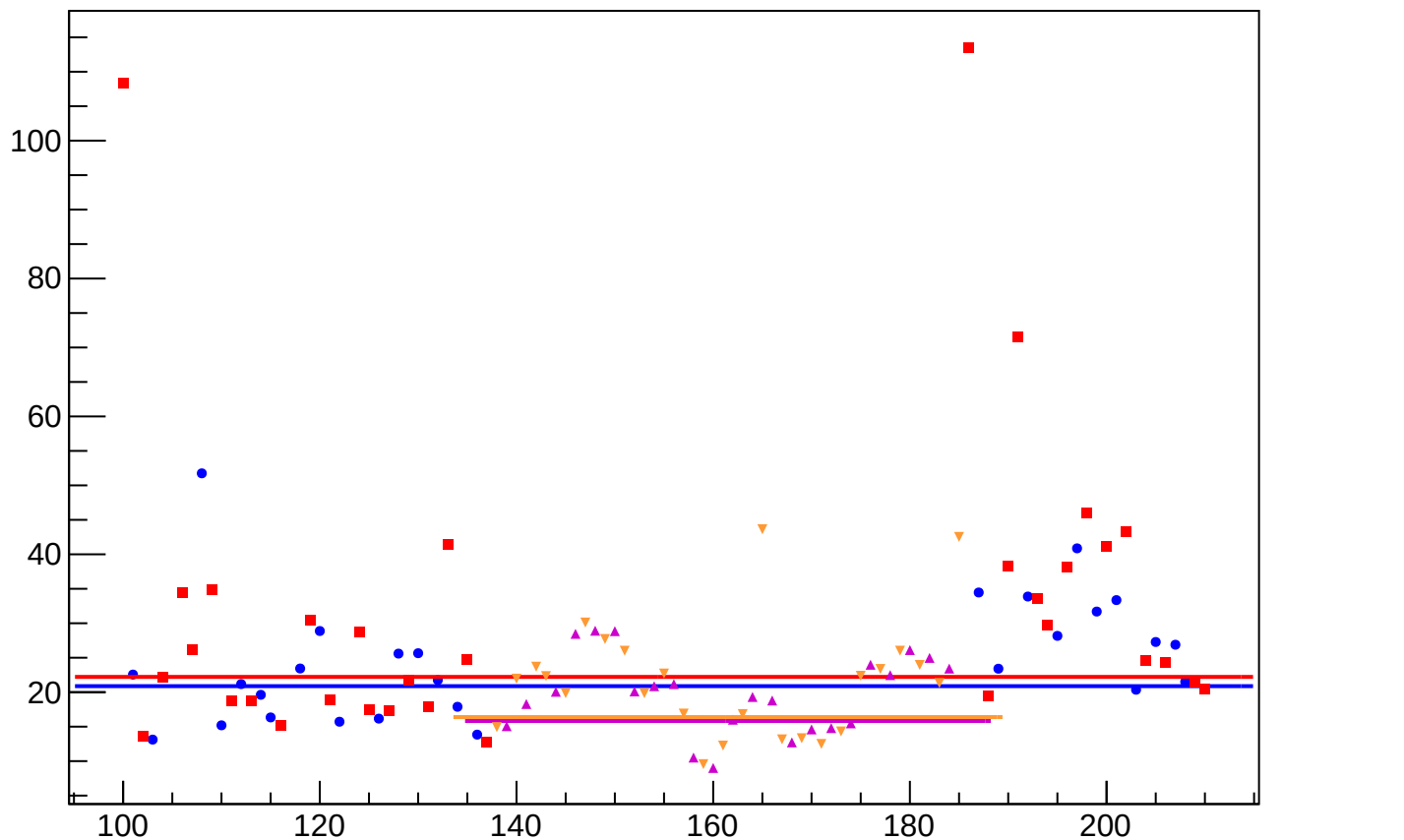
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.011 ± 0.003 χ^2/NDF : 82.9/51

All: -0.007 ± 0.002 χ^2/NDF : 139.6/107

- sign -0.004 ± 0.003 χ^2/NDF : 54.1/55

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.876 $\pm$ 0.004 χ^2 /NDF: 2827794.7/26

Left Out: 16.387 $\pm$ 0.003 χ^2 /NDF: 4030277.2/24

Right Out: 22.217 $\pm$ 0.004 χ^2 /NDF: 4111549.3/32

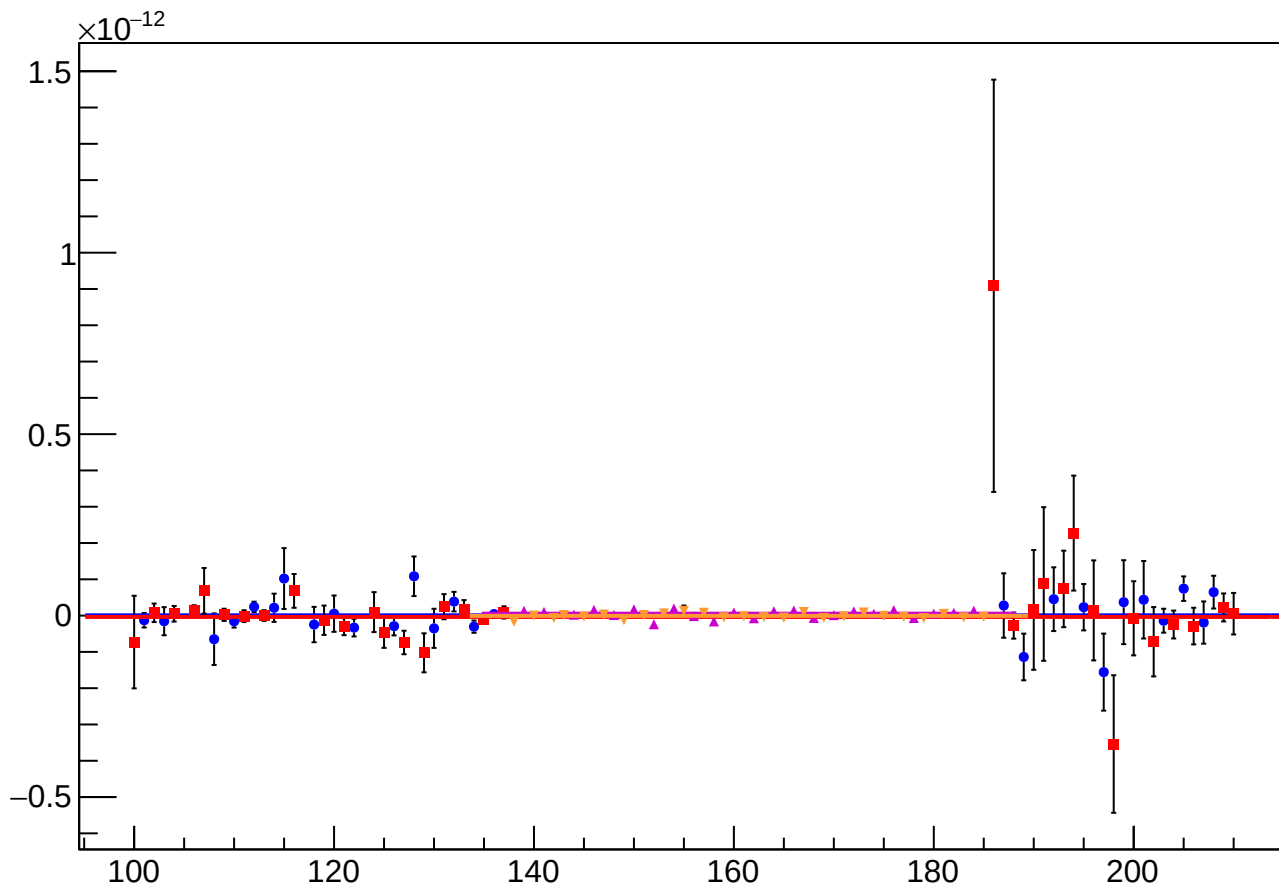
Left In: 15.823 $\pm$ 0.003 χ^2 /NDF: 3654834.3/22

+ sign 17.857 $\pm$ 0.002 χ^2 /NDF: 7655969.9/51

All: 17.859 $\pm$ 0.002 χ^2 /NDF: 17019686.8/107

- sign 17.862 $\pm$ 0.002 χ^2 /NDF: 9363714.1/55

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 33.5/26

Left Out: -0.000+/-0.000 χ^2/NDF : 19.1/24

Right Out: -0.000+/-0.000 χ^2/NDF : 30.1/32

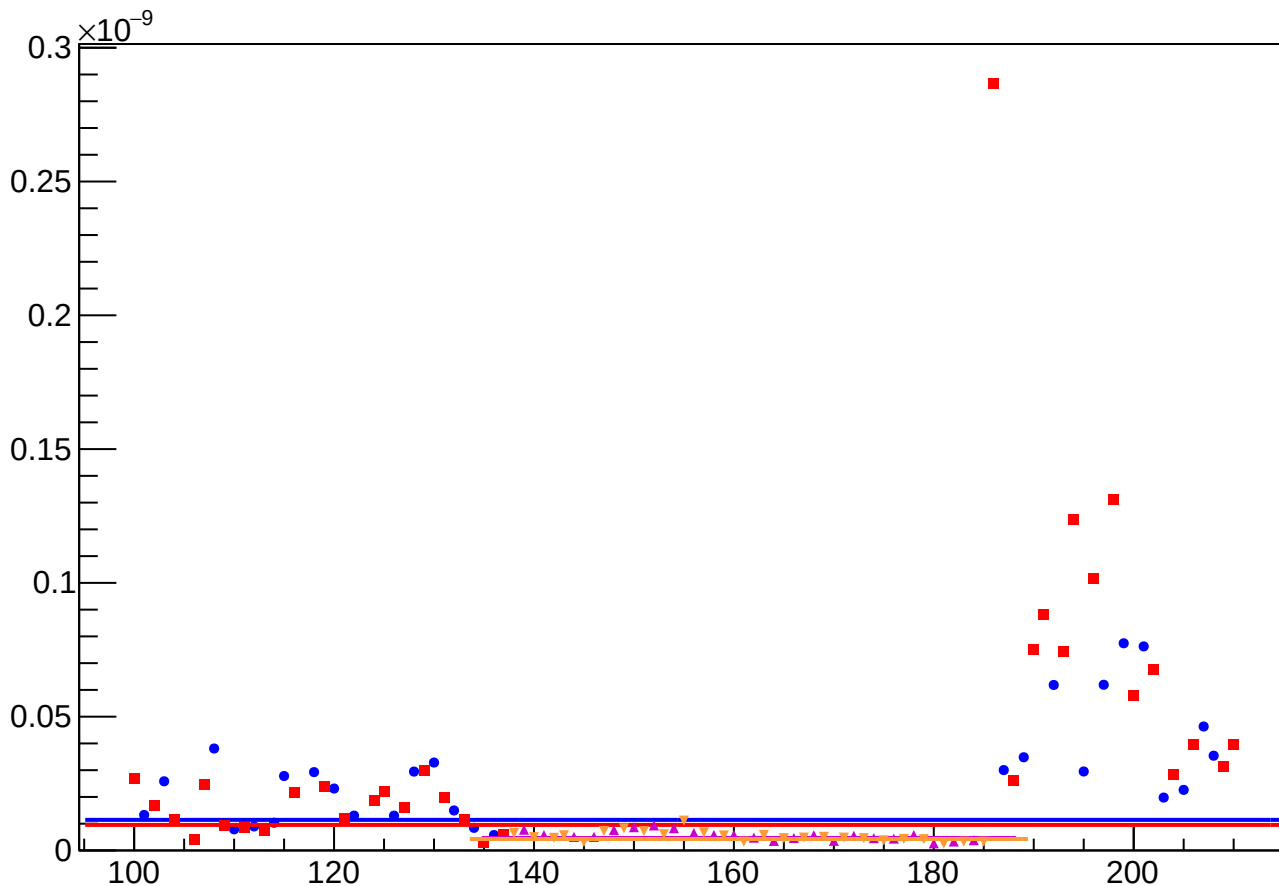
Left In: 0.000+/-0.000 χ^2/NDF : 37.9/22

+ sign -0.000+/-0.000 χ^2/NDF : 52.7/51

All: 0.000+/-0.000 χ^2/NDF : 132.3/107

- sign 0.000+/-0.000 χ^2/NDF : 71.8/55

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7555727.8/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2583638.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12031462.9/32

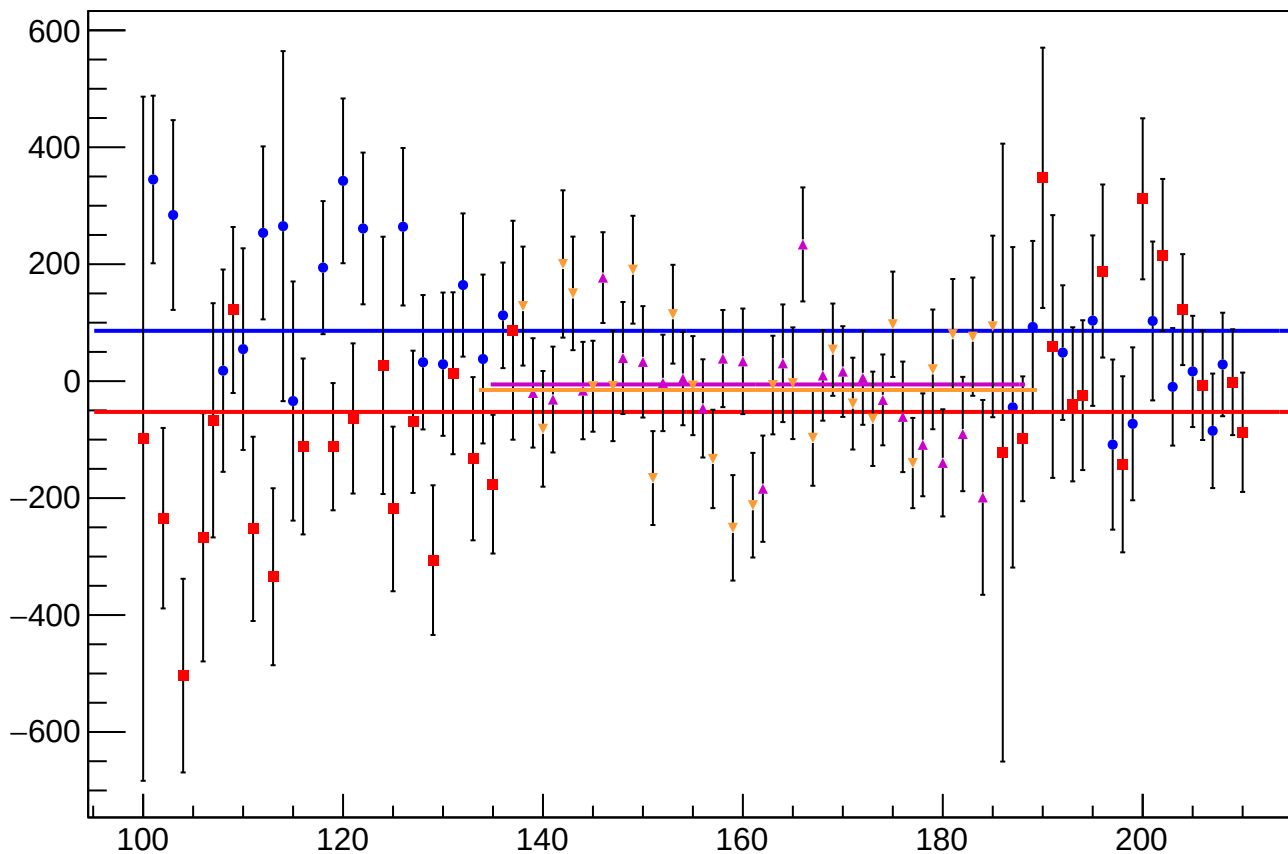
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2508440.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14210667.9/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 31140263.9/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16847298.7/55

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 86.061 ± 24.693 χ^2/NDF : 24.3/26

Left Out: -15.100 ± 17.957 χ^2/NDF : 41.6/24

Right Out: -52.636 ± 23.909 χ^2/NDF : 46.6/32

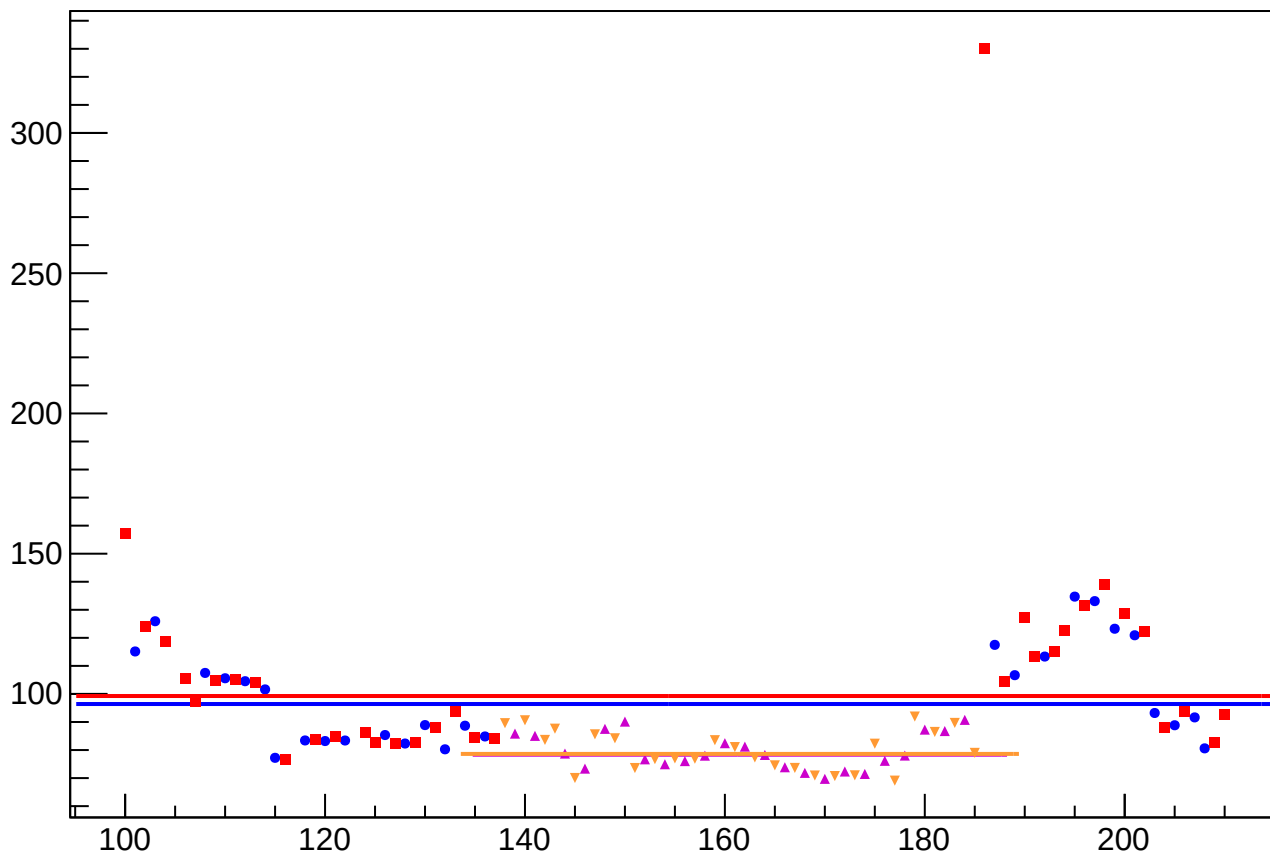
Left In: -5.629 ± 18.382 χ^2/NDF : 23.0/22

+ sign 19.892 ± 14.523 χ^2/NDF : 76.9/51

All: -1.527 ± 10.287 χ^2/NDF : 153.4/107

- sign -23.092 ± 14.573 χ^2/NDF : 72.1/55

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 96.406 $\pm$ 0.017 χ^2 /NDF: 889302.1/26

Left Out: 78.618 $\pm$ 0.013 χ^2 /NDF: 307235.6/24

Right Out: 99.260 $\pm$ 0.017 χ^2 /NDF: 1406768.6/32

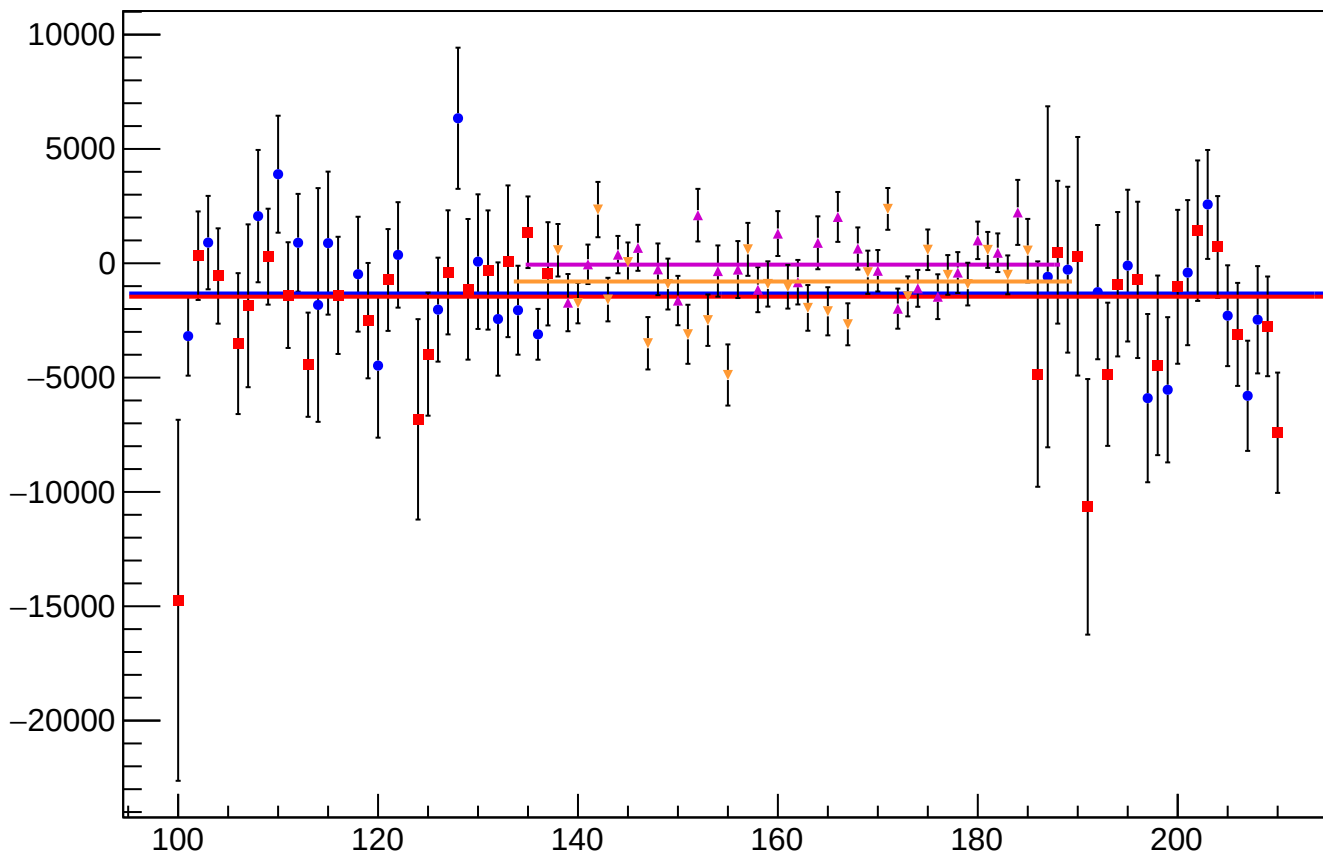
Left In: 78.334 $\pm$ 0.013 χ^2 /NDF: 209146.2/22

+ sign 84.771 $\pm$ 0.010 χ^2 /NDF: 1875405.0/51

All: 85.437 $\pm$ 0.007 χ^2 /NDF: 4462682.5/107

- sign 86.108 $\pm$ 0.010 χ^2 /NDF: 2578830.2/55

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1321.904 $\pm$ 465.626 χ^2 /NDF: 30.7/26

Left Out: -797.000 $\pm$ 197.884 χ^2 /NDF: 59.5/24

Right Out: -1461.547 $\pm$ 466.116 χ^2 /NDF: 26.8/32

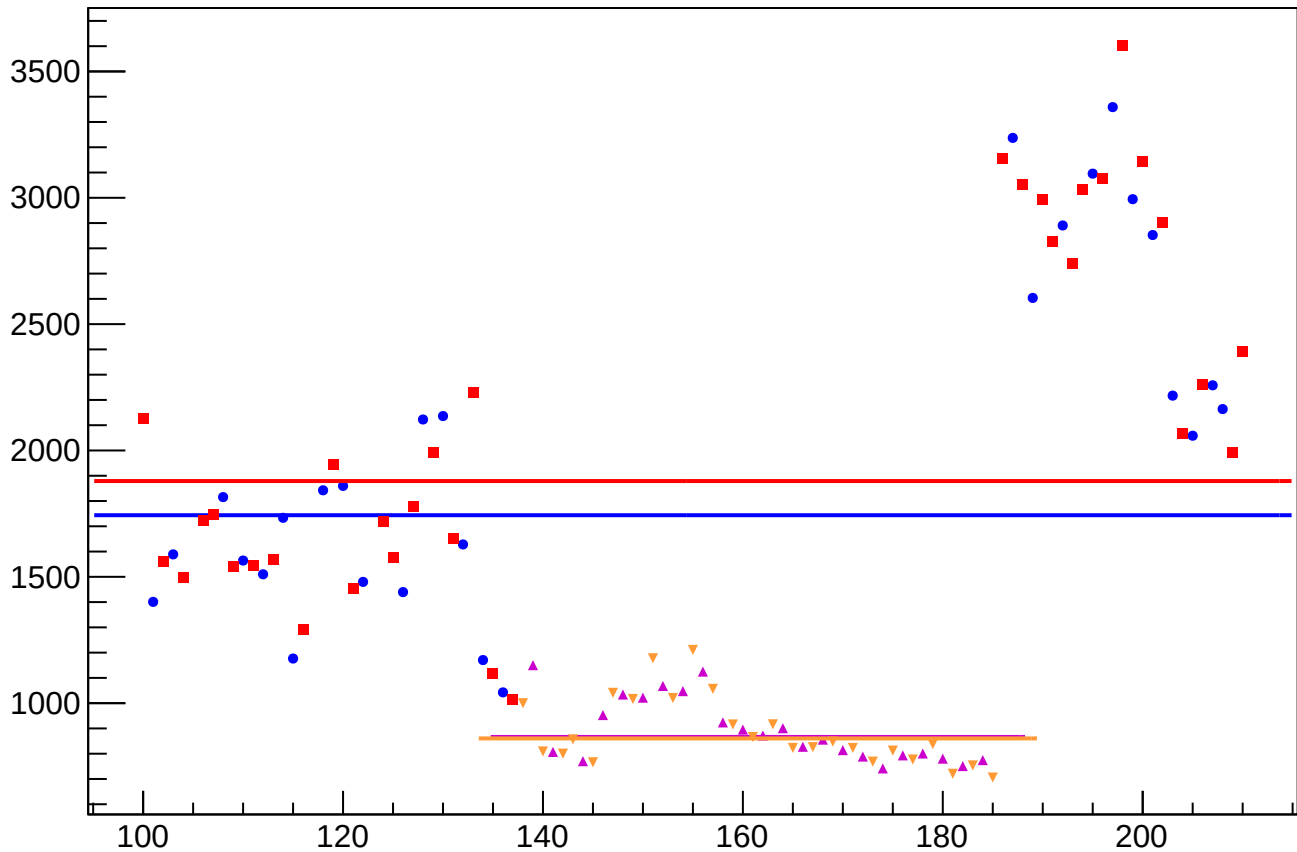
Left In: -59.494 $\pm$ 204.437 χ^2 /NDF: 30.5/22

+ sign -877.301 $\pm$ 182.120 χ^2 /NDF: 91.2/51

All: -589.665 $\pm$ 130.544 χ^2 /NDF: 161.2/107

- sign -285.690 $\pm$ 187.221 χ^2 /NDF: 64.8/55

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1743.838 $\pm$ 0.329 χ^2/NDF : 3342971.2/26

Left Out: 860.492 $\pm$ 0.140 χ^2/NDF : 699252.0/24

Right Out: 1879.055 $\pm$ 0.330 χ^2/NDF : 3552984.2/32

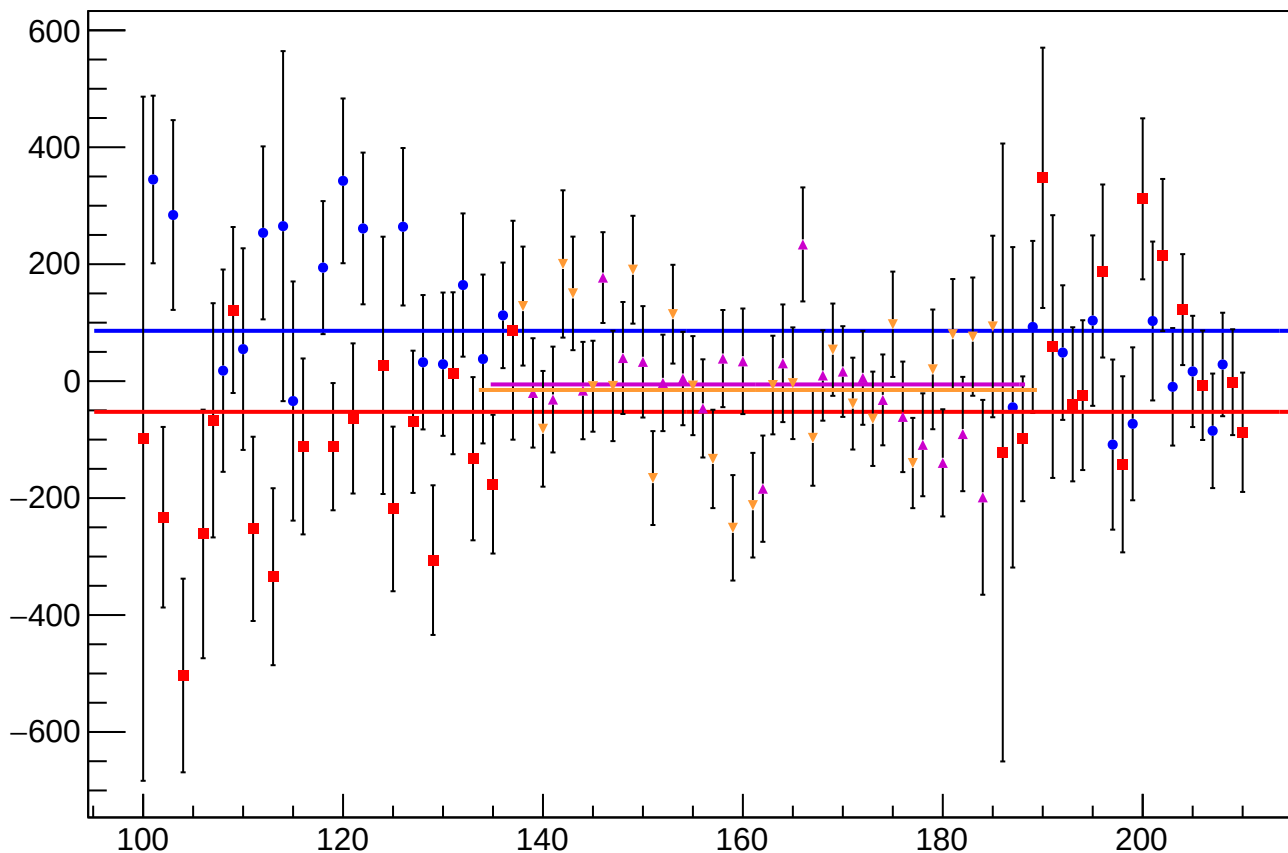
Left In: 866.351 $\pm$ 0.145 χ^2/NDF : 613257.7/22

+ sign 995.628 $\pm$ 0.129 χ^2/NDF : 10139132.0/51

All: 1012.209 $\pm$ 0.092 χ^2/NDF : 22257115.4/1

- sign 1029.733 $\pm$ 0.132 χ^2/NDF : 12083883.5/55

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 86.054 ± 24.693 χ^2/NDF : 24.3/26

Left Out: -15.098 ± 17.957 χ^2/NDF : 41.6/24

Right Out: -52.508 ± 23.910 χ^2/NDF : 46.5/32

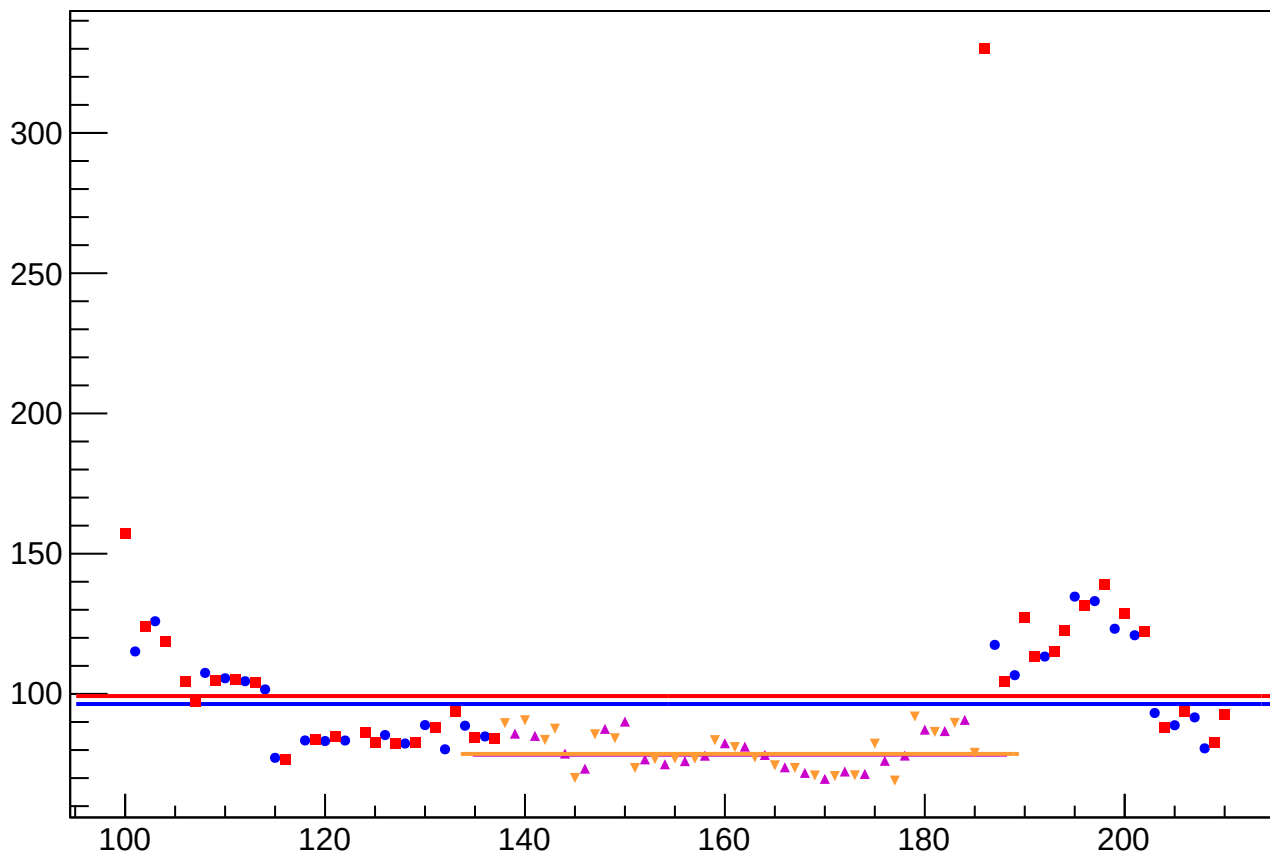
Left In: -5.626 ± 18.382 χ^2/NDF : 23.0/22

+ sign 19.891 ± 14.523 χ^2/NDF : 76.9/51

All: -1.502 ± 10.287 χ^2/NDF : 153.2/107

- sign -23.042 ± 14.573 χ^2/NDF : 72.0/55

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.406 ± 0.017 χ^2/NDF : 889303.7/26

Left Out: 78.618 ± 0.013 χ^2/NDF : 307235.6/24

Right Out: 99.245 ± 0.017 χ^2/NDF : 1406298.7/32

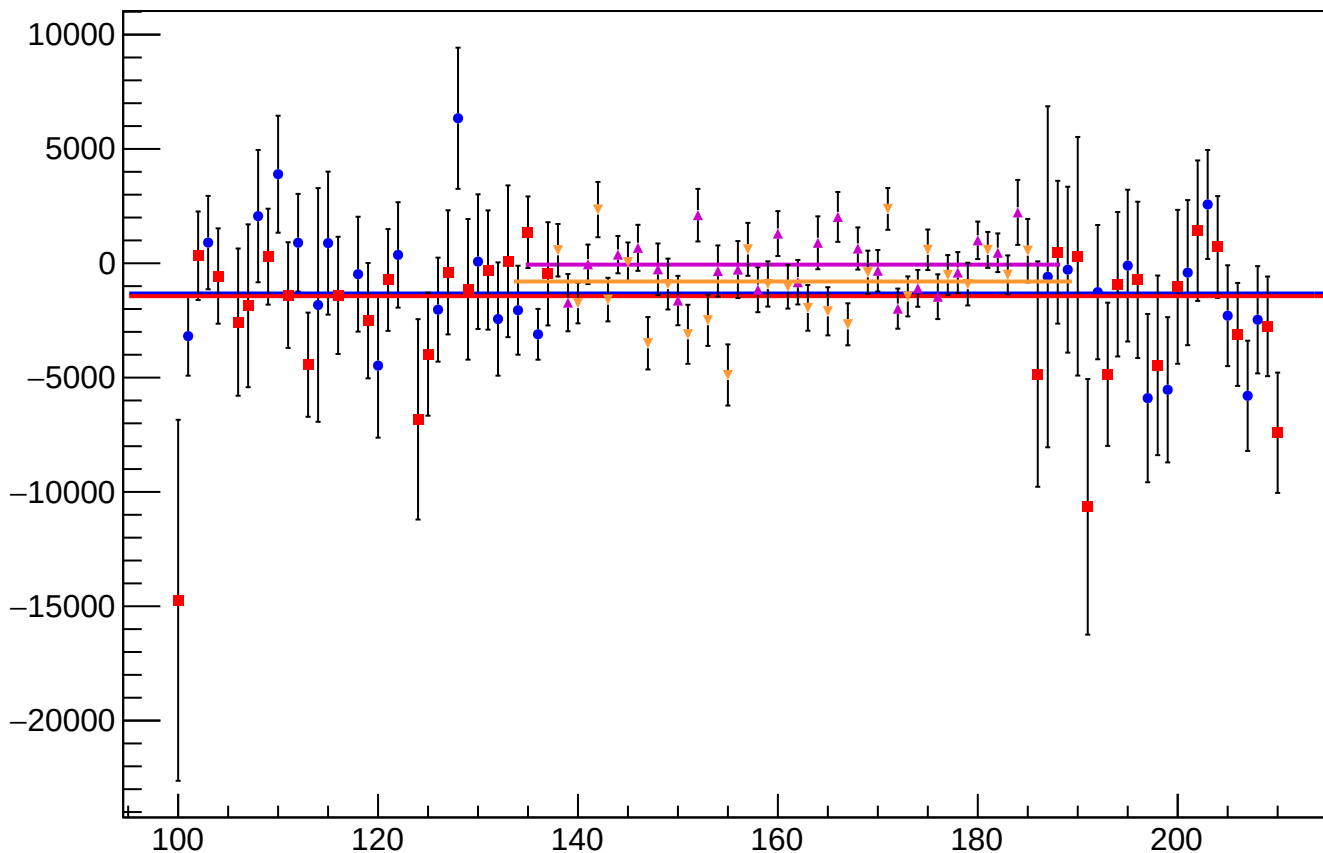
Left In: 78.334 ± 0.013 χ^2/NDF : 209146.2/22

+ sign 84.771 ± 0.010 χ^2/NDF : 1875406.9/51

All: 85.434 ± 0.007 χ^2/NDF : 4460654.4/107

- sign 86.102 ± 0.010 χ^2/NDF : 2576877.7/55

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1321.890 ± 465.627 χ^2/NDF : 30.7/26

Left Out: -797.000 ± 197.884 χ^2/NDF : 59.5/24

Right Out: -1438.133 ± 466.577 χ^2/NDF : 26.4/32

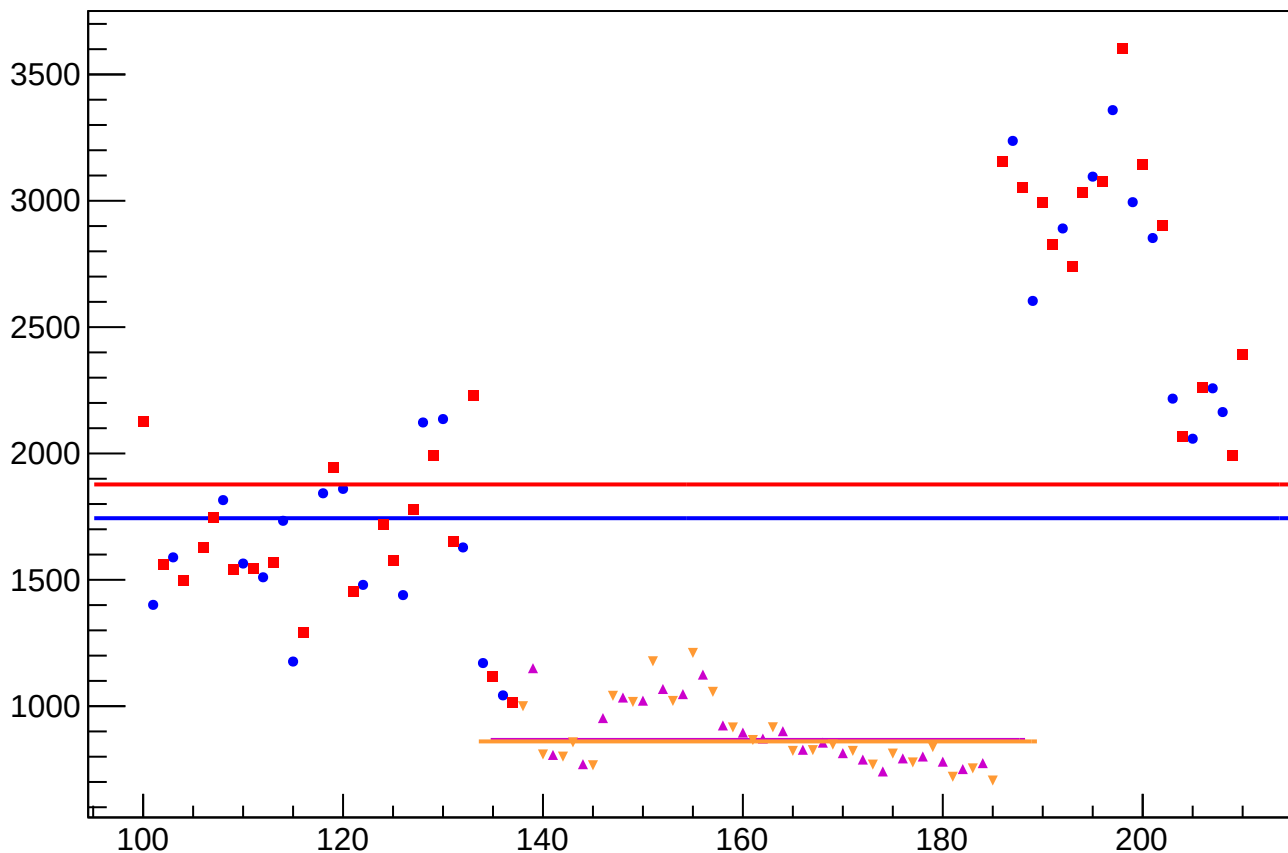
Left In: -59.494 ± 204.437 χ^2/NDF : 30.5/22

+ sign -877.298 ± 182.120 χ^2/NDF : 91.2/51

All: -587.695 ± 130.554 χ^2/NDF : 160.7/107

- sign -281.544 ± 187.251 χ^2/NDF : 64.2/55

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1743.841+/-0.329 χ^2/NDF : 3342962.0/26

Left Out: 860.492+/-0.140 χ^2/NDF : 699250.7/24

Right Out: 1877.435+/-0.330 χ^2/NDF : 3559648.7/32

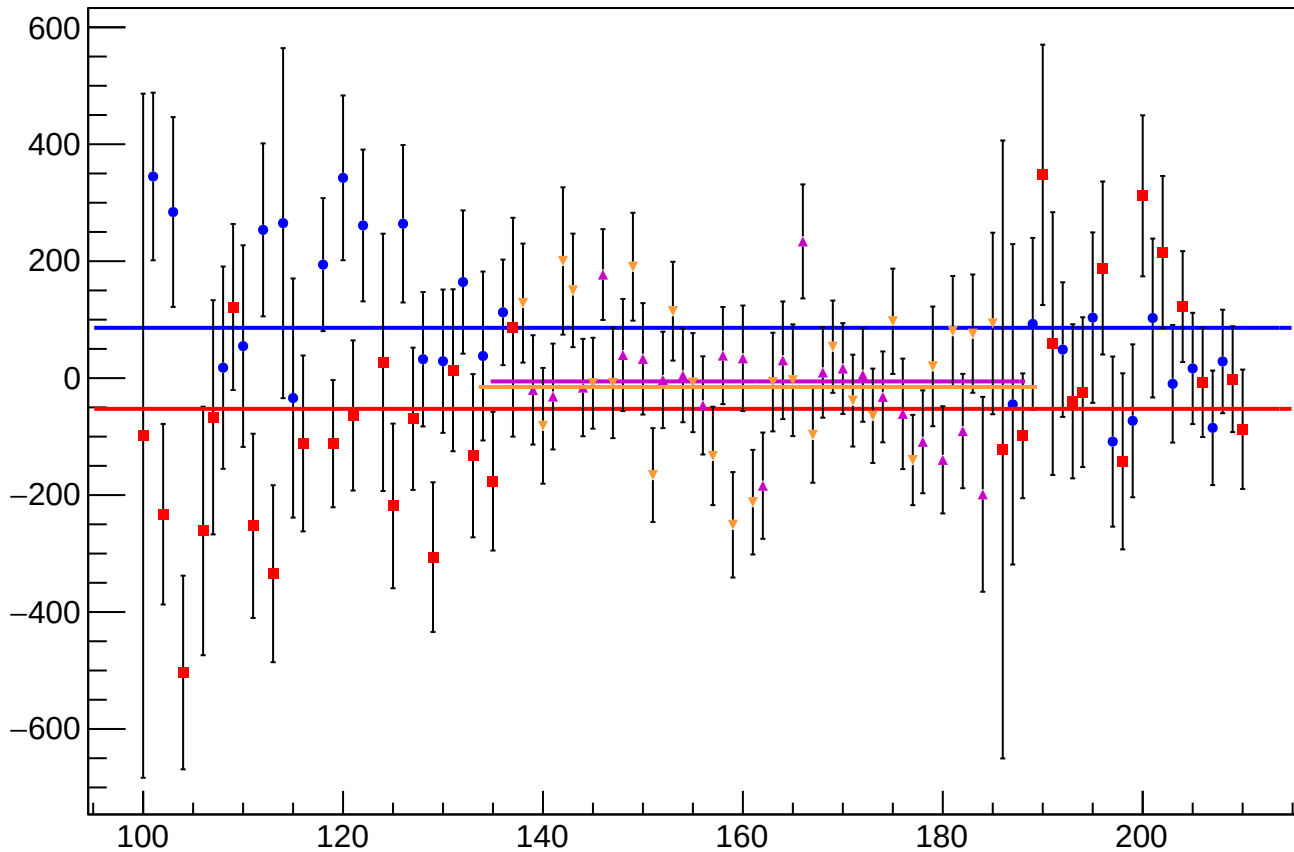
Left In: 866.352+/-0.145 χ^2/NDF : 613256.3/22

+ sign 995.628+/-0.129 χ^2/NDF : 10139151.9/51

All: 1011.948+/-0.092 χ^2/NDF : 22224364.9/101

- sign 1029.202+/-0.132 χ^2/NDF : 12052172.2/55

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 86.054 ± 24.693 χ^2/NDF : 24.3/26

Left Out: -15.098 ± 17.957 χ^2/NDF : 41.6/24

Right Out: -52.508 ± 23.910 χ^2/NDF : 46.5/32

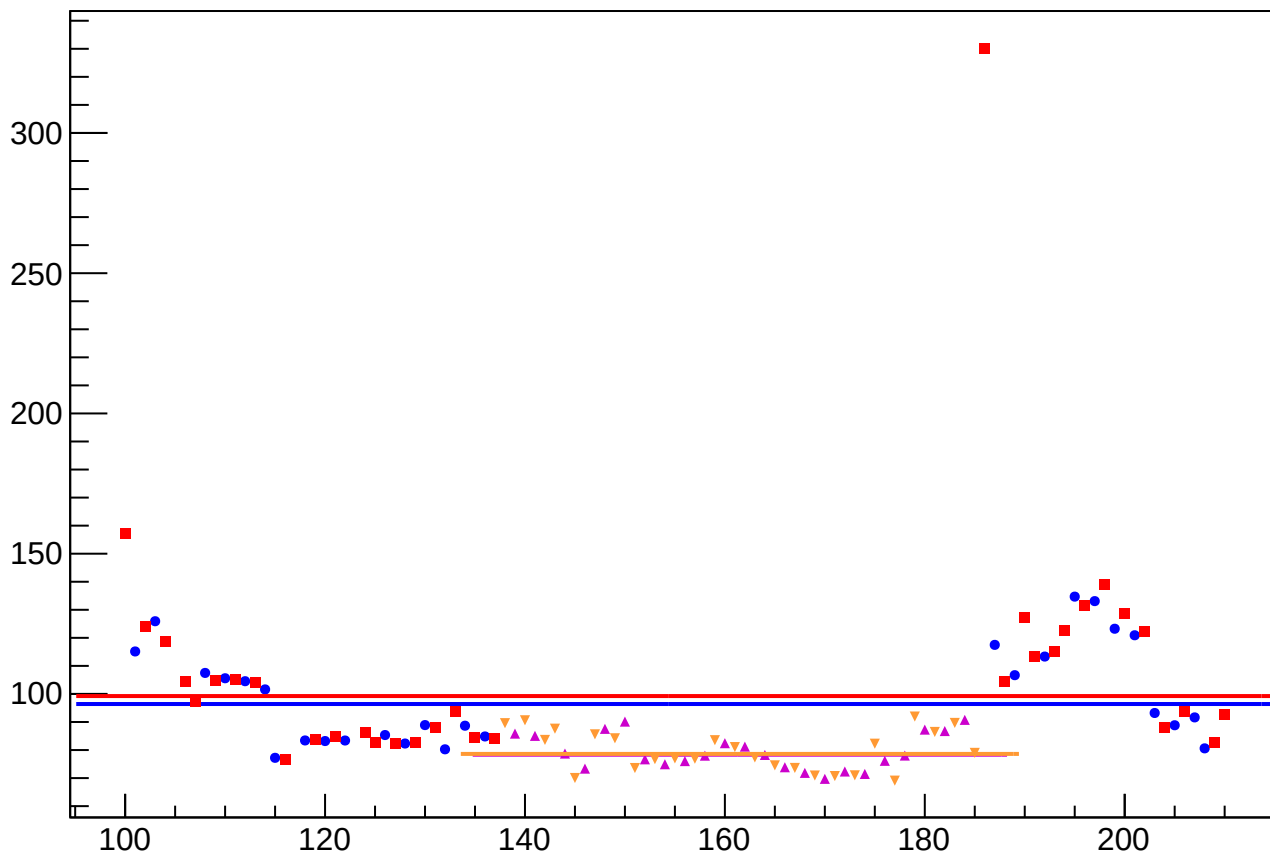
Left In: -5.626 ± 18.382 χ^2/NDF : 23.0/22

+ sign 19.891 ± 14.523 χ^2/NDF : 76.9/51

All: -1.502 ± 10.287 χ^2/NDF : 153.2/107

- sign -23.042 ± 14.573 χ^2/NDF : 72.0/55

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.406 $\pm$ 0.017 χ^2 /NDF: 889303.7/26

Left Out: 78.618 $\pm$ 0.013 χ^2 /NDF: 307235.6/24

Right Out: 99.245 $\pm$ 0.017 χ^2 /NDF: 1406298.7/32

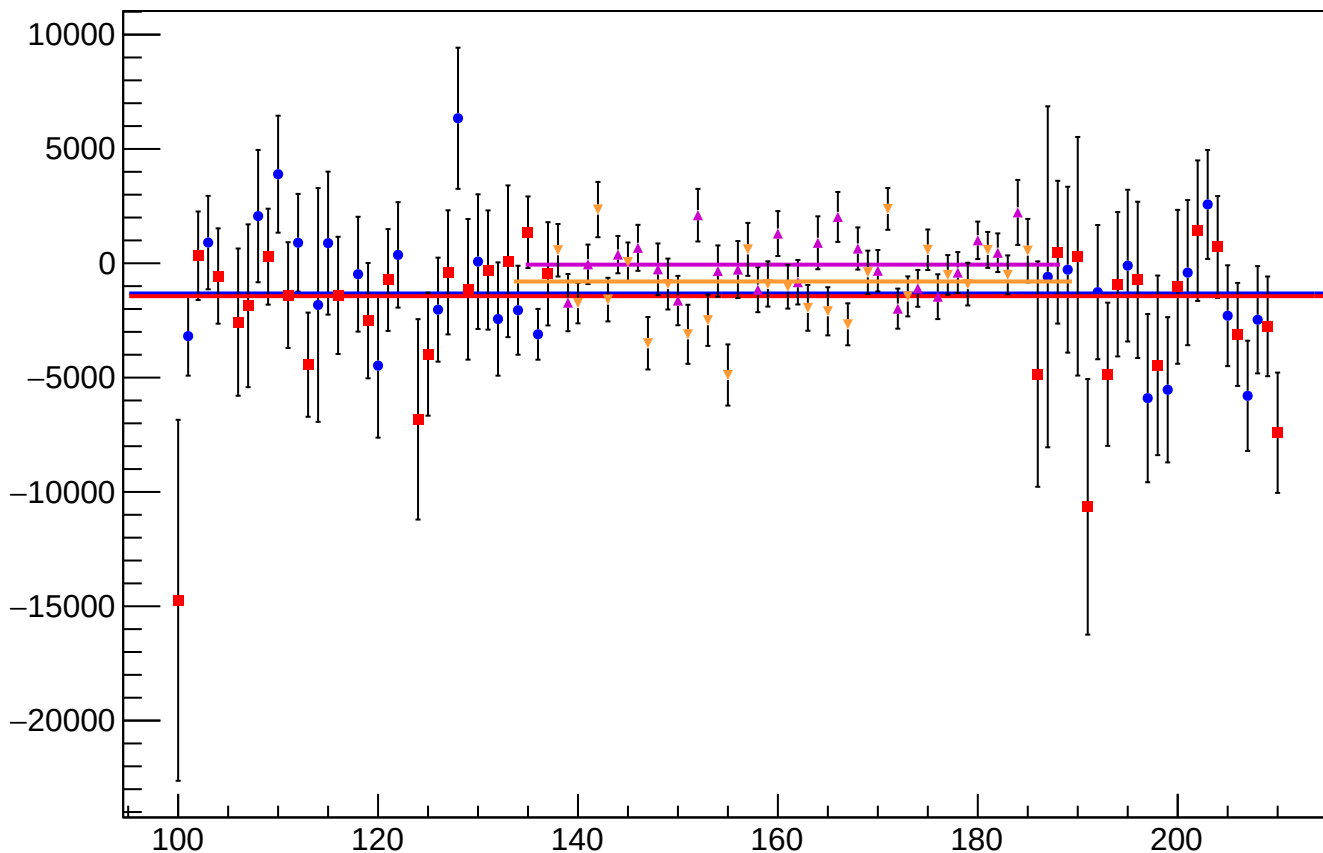
Left In: 78.334 $\pm$ 0.013 χ^2 /NDF: 209146.2/22

+ sign 84.771 $\pm$ 0.010 χ^2 /NDF: 1875406.9/51

All: 85.434 $\pm$ 0.007 χ^2 /NDF: 4460654.4/107

- sign 86.102 $\pm$ 0.010 χ^2 /NDF: 2576877.7/55

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug



Right In: -1321.890 $\pm$ 465.627 χ^2 /NDF: 30.7/26

Left Out: -797.000 $\pm$ 197.884 χ^2 /NDF: 59.5/24

Right Out: -1438.133 $\pm$ 466.577 χ^2 /NDF: 26.4/32

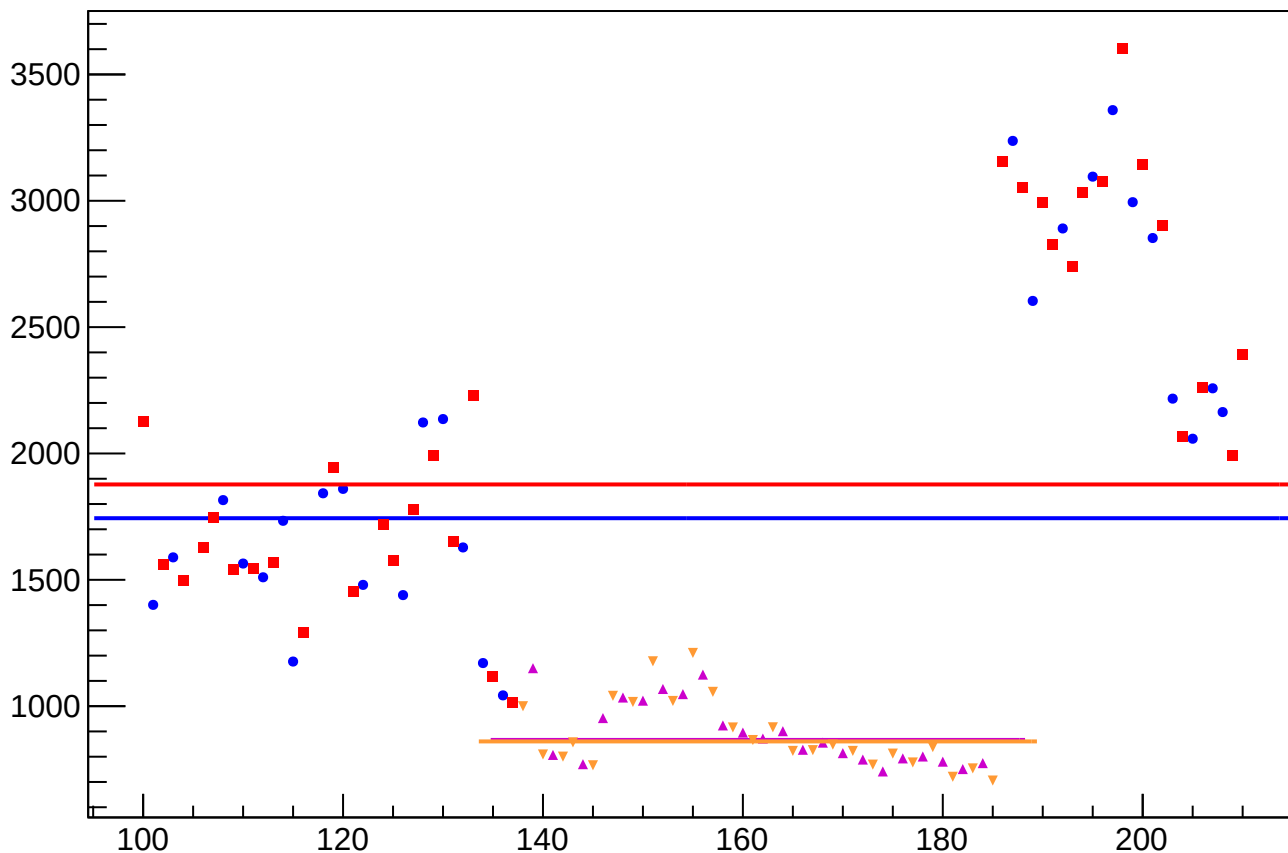
Left In: -59.494 $\pm$ 204.437 χ^2 /NDF: 30.5/22

+ sign -877.298 $\pm$ 182.120 χ^2 /NDF: 91.2/51

All: -587.695 $\pm$ 130.554 χ^2 /NDF: 160.7/107

- sign -281.544 $\pm$ 187.251 χ^2 /NDF: 64.2/55

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1743.841 $\pm$ 0.329 χ^2 /NDF: 3342962.0/26

Left Out: 860.492 $\pm$ 0.140 χ^2 /NDF: 699250.7/24

Right Out: 1877.435 $\pm$ 0.330 χ^2 /NDF: 3559648.7/32

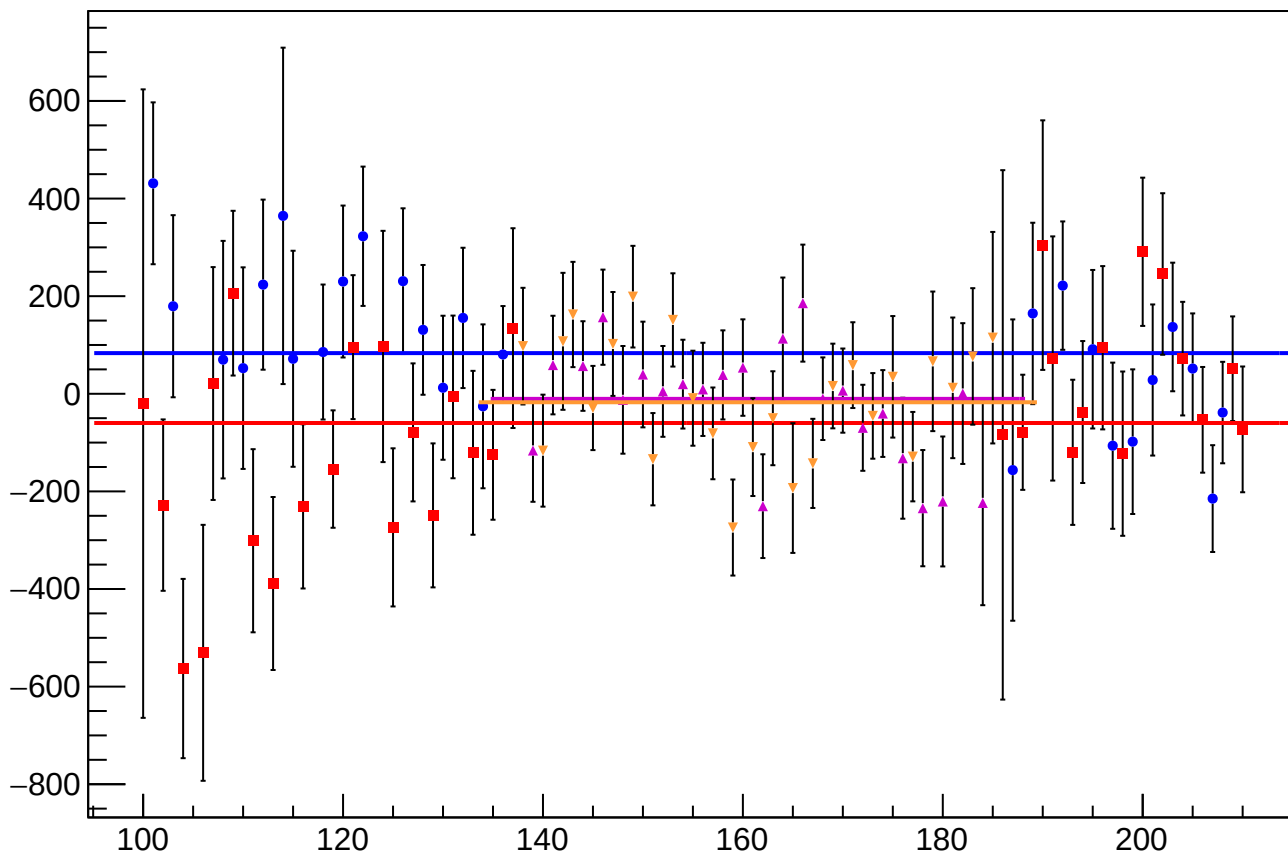
Left In: 866.352 $\pm$ 0.145 χ^2 /NDF: 613256.3/22

+ sign 995.628 $\pm$ 0.129 χ^2 /NDF: 10139151.9/51

All: 1011.948 $\pm$ 0.092 χ^2 /NDF: 22224364.9/100

- sign 1029.202 $\pm$ 0.132 χ^2 /NDF: 12052172.2/55

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 83.341 ± 28.729 χ^2/NDF : 25.5/26

Left Out: -17.356 ± 20.987 χ^2/NDF : 31.2/24

Right Out: -59.844 ± 27.709 χ^2/NDF : 42.0/32

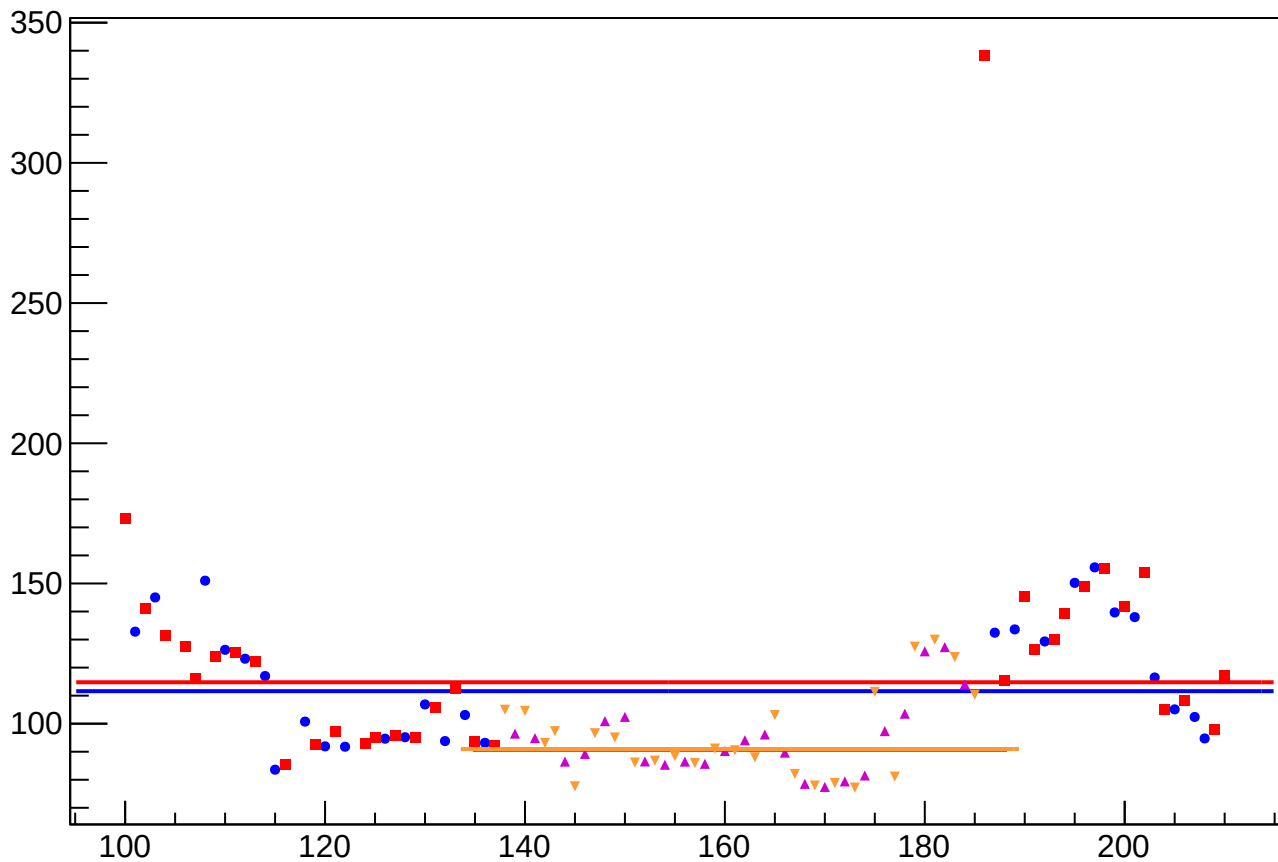
Left In: -10.412 ± 21.503 χ^2/NDF : 22.6/22

+ sign 17.682 ± 16.947 χ^2/NDF : 64.7/51

All: -5.598 ± 11.998 χ^2/NDF : 135.1/107

- sign -28.992 ± 16.988 χ^2/NDF : 66.6/55

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.592 $\pm$ 0.020 χ^2 /NDF: 974244.0/26

Left Out: 90.967 $\pm$ 0.015 χ^2 /NDF: 784523.6/24

+ sign 98.143 $\pm$ 0.012 χ^2 /NDF: 2430900.0/51

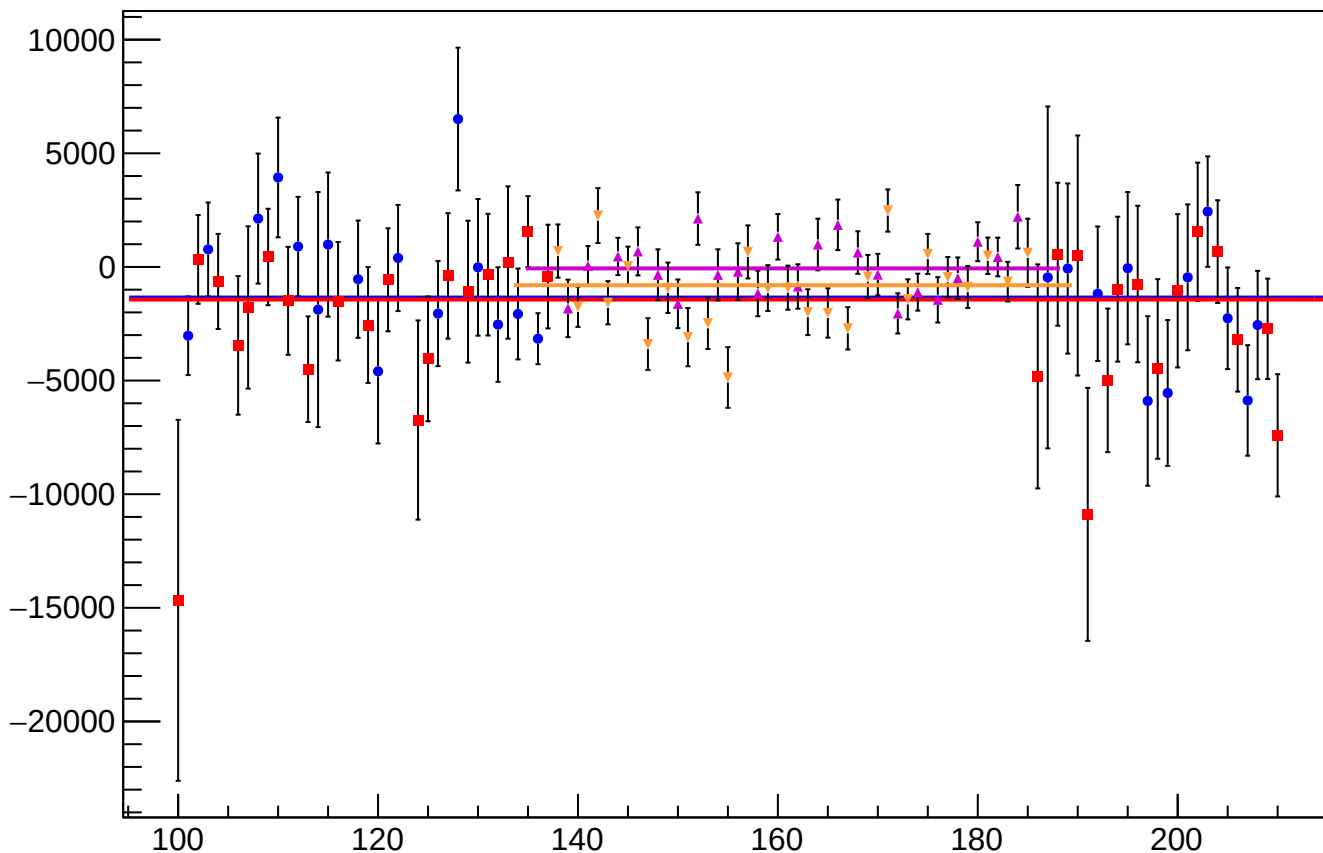
Right Out: 114.772 $\pm$ 0.020 χ^2 /NDF: 1349752.9/32

All: 98.941 $\pm$ 0.008 χ^2 /NDF: 5278361.1/107

Left In: 90.690 $\pm$ 0.015 χ^2 /NDF: 545969.6/22

- sign 99.742 $\pm$ 0.012 χ^2 /NDF: 2838586.2/55

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1347.666 $\pm$ 472.003 χ^2 /NDF: 30.2/26

Left Out: -802.532 $\pm$ 199.851 χ^2 /NDF: 58.3/24

Right Out: -1434.879 $\pm$ 470.992 χ^2 /NDF: 27.4/32

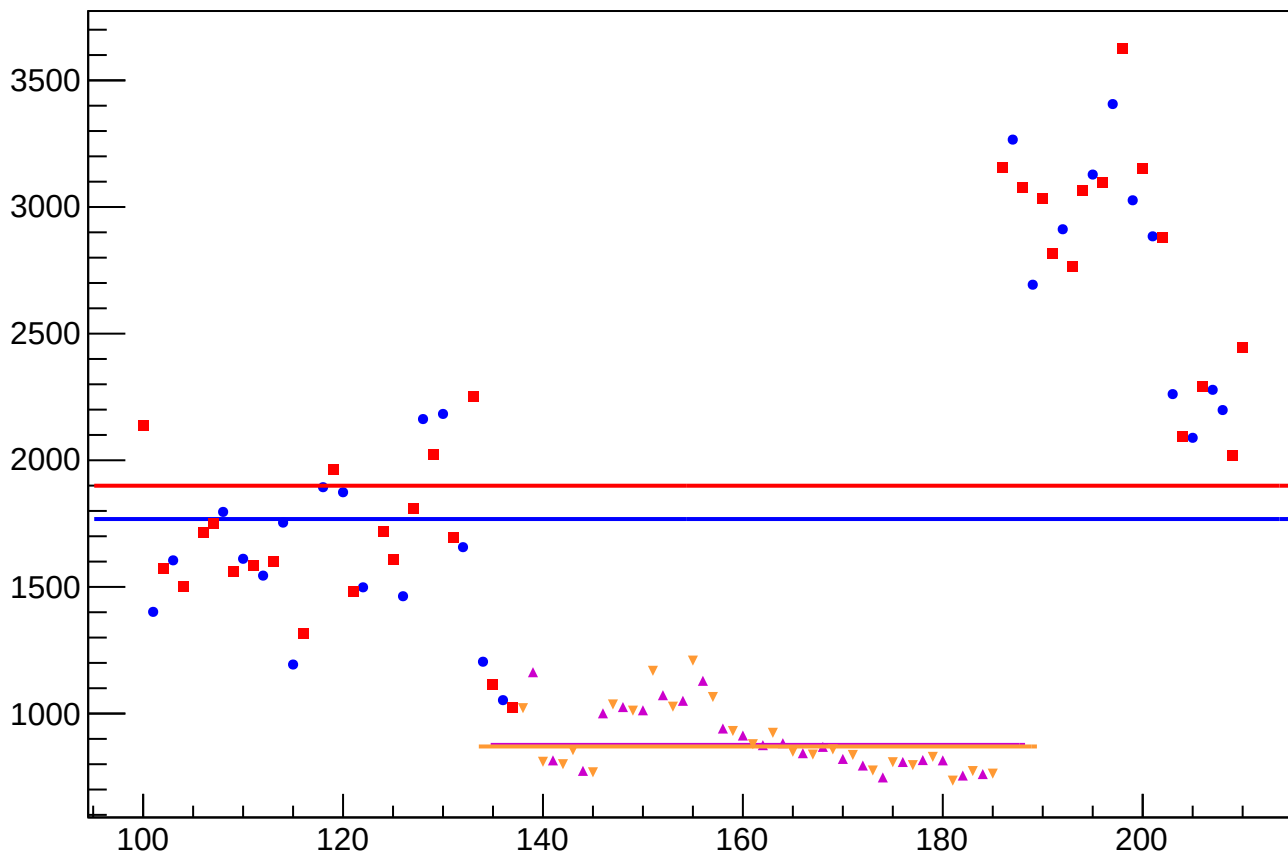
Left In: -65.218 $\pm$ 206.677 χ^2 /NDF: 30.7/22

+ sign -885.404 $\pm$ 184.034 χ^2 /NDF: 89.6/51

All: -594.268 $\pm$ 131.940 χ^2 /NDF: 159.9/107

- sign -286.371 $\pm$ 189.258 χ^2 /NDF: 65.2/55

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1768.011+/-0.334 χ^2/NDF : 3351963.4/26

Left Out: 870.009+/-0.141 χ^2/NDF : 647274.1/24

Right Out: 1899.572+/-0.333 χ^2/NDF : 3535034.3/32

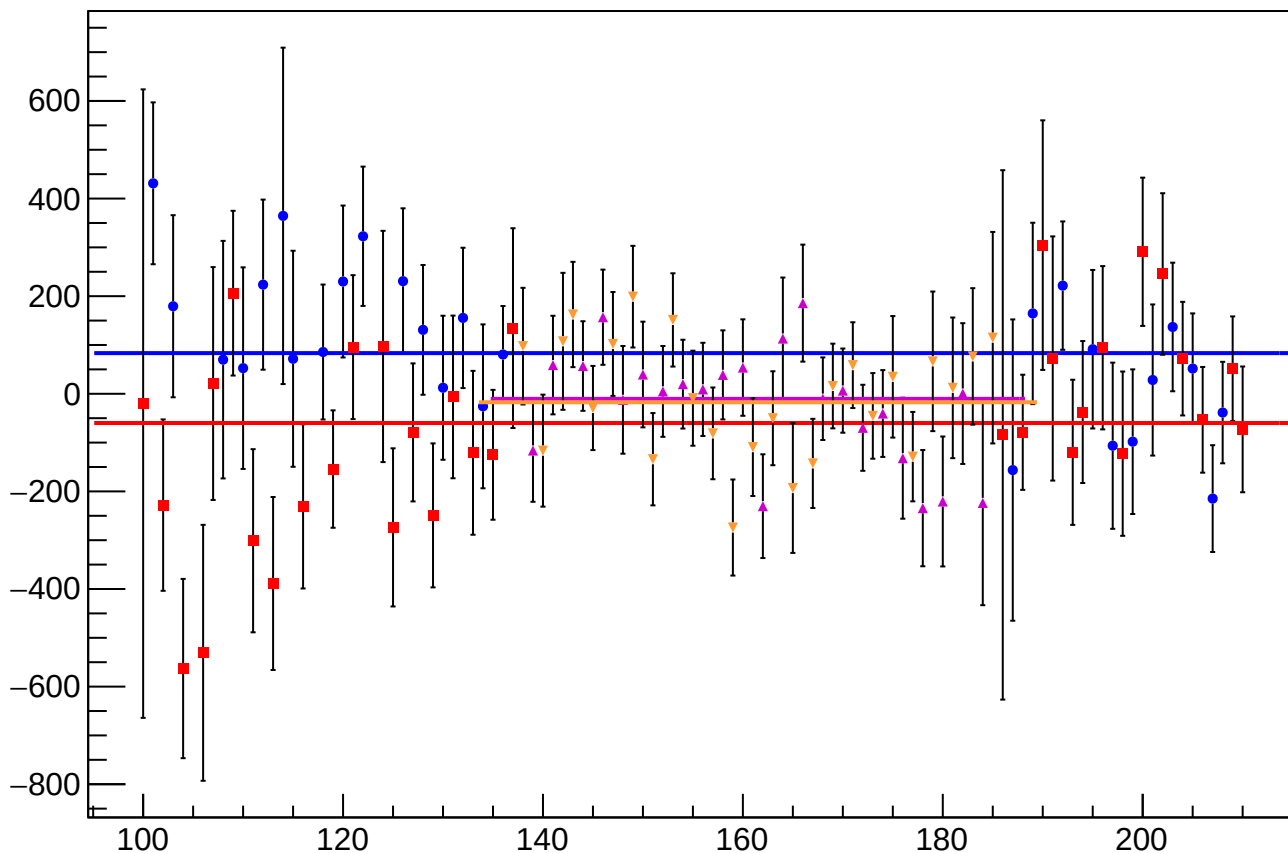
Left In: 876.273+/-0.146 χ^2/NDF : 597200.7/22

+ sign 1006.525+/-0.130 χ^2/NDF : 10137981.7/51

All: 1023.523+/-0.093 χ^2/NDF : 22221747.9/1

- sign 1041.500+/-0.134 χ^2/NDF : 12048658.5/55

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 83.344 ± 28.729 χ^2/NDF : 25.5/26

Left Out: -17.356 ± 20.987 χ^2/NDF : 31.2/24

Right Out: -59.843 ± 27.709 χ^2/NDF : 42.0/32

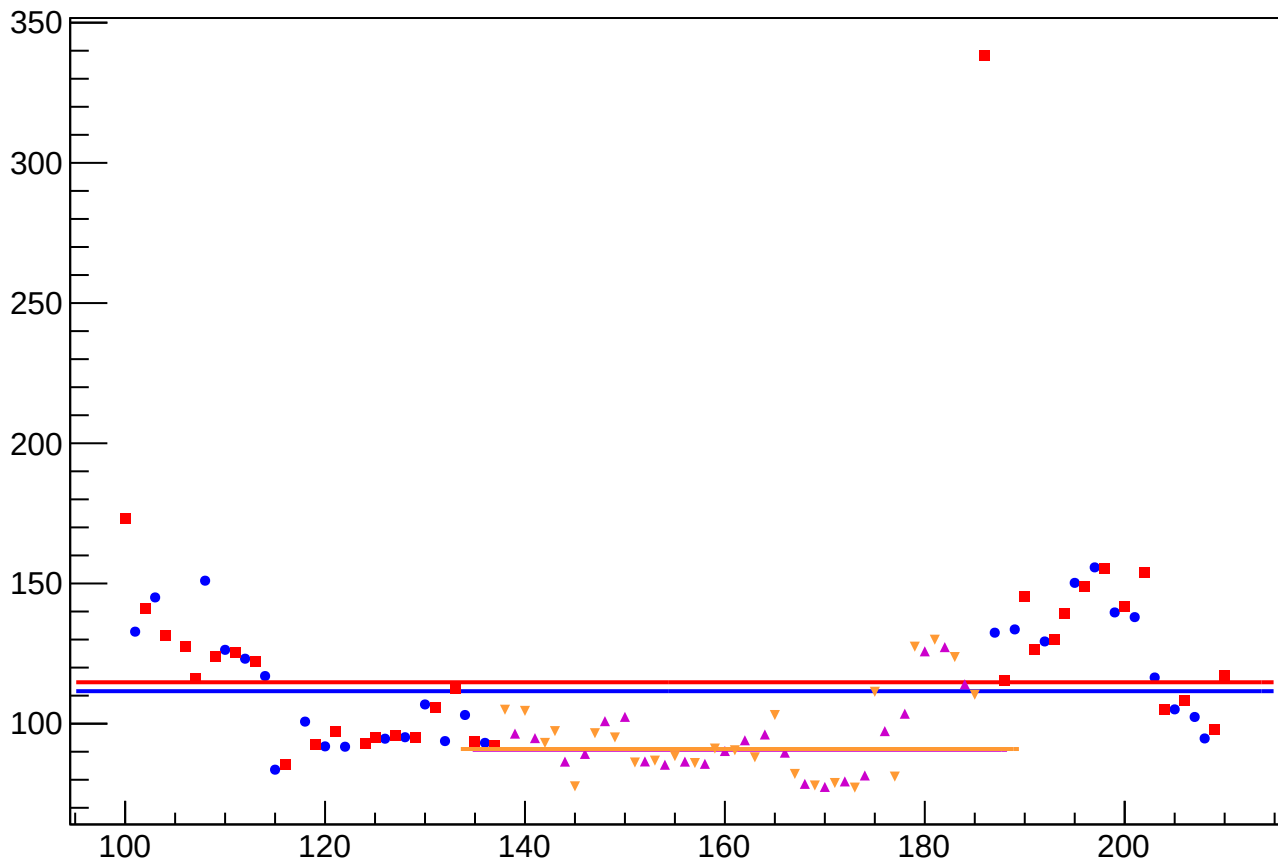
Left In: -10.412 ± 21.503 χ^2/NDF : 22.6/22

+ sign 17.683 ± 16.947 χ^2/NDF : 64.7/51

All: -5.597 ± 11.998 χ^2/NDF : 135.1/107

- sign -28.992 ± 16.988 χ^2/NDF : 66.6/55

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.591 $\pm$ 0.020 χ^2 /NDF: 974255.6/26

Left Out: 90.967 $\pm$ 0.015 χ^2 /NDF: 784529.9/24

Right Out: 114.772 $\pm$ 0.020 χ^2 /NDF: 1349771.0/32

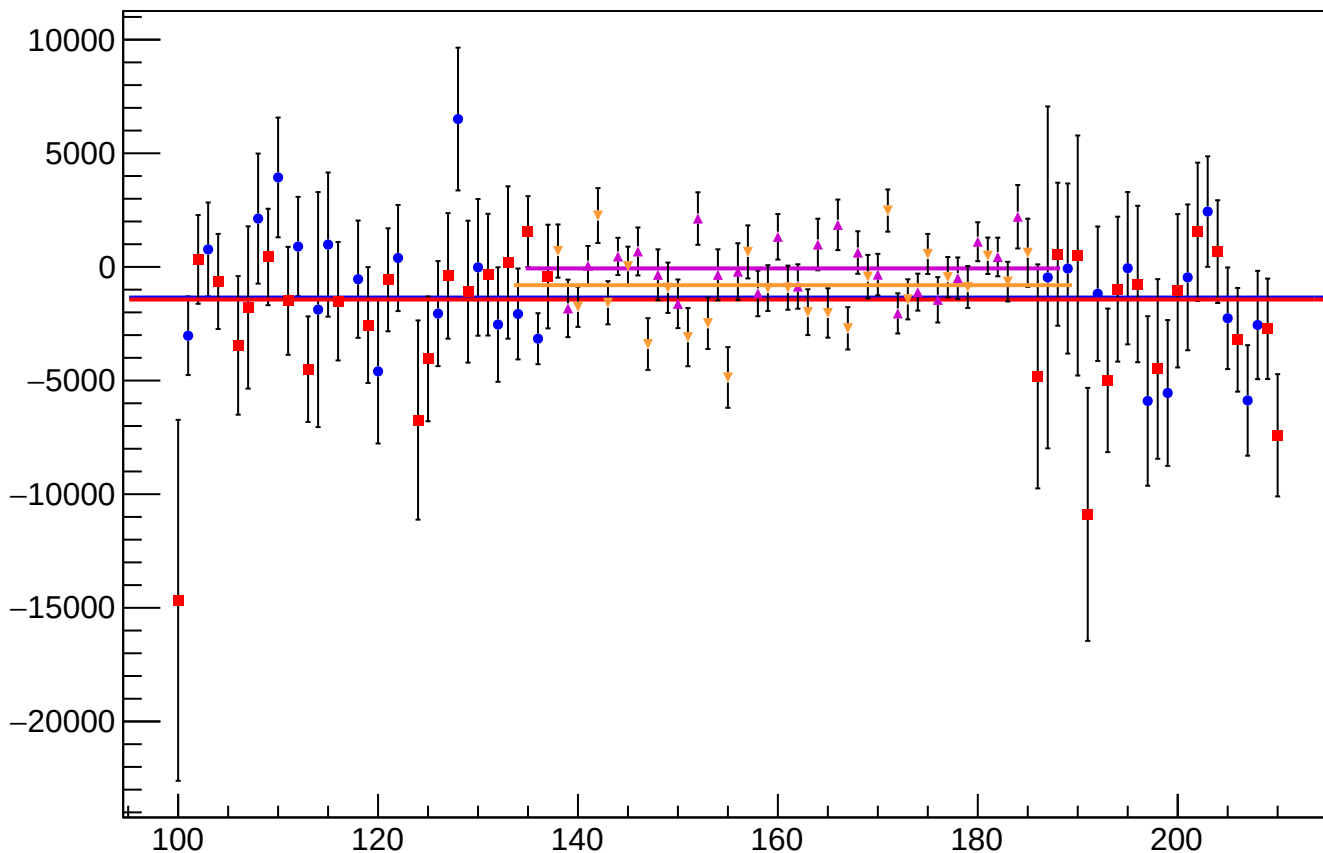
Left In: 90.690 $\pm$ 0.015 χ^2 /NDF: 545960.7/22

+ sign 98.143 $\pm$ 0.012 χ^2 /NDF: 2430874.8/51

All: 98.941 $\pm$ 0.008 χ^2 /NDF: 5278318.9/107

- sign 99.742 $\pm$ 0.012 χ^2 /NDF: 2838569.7/55

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug



Right In: -1347.661 $\pm$ 472.003 χ^2 /NDF: 30.2/26

Left Out: -802.531 $\pm$ 199.851 χ^2 /NDF: 58.3/24

Right Out: -1434.877 $\pm$ 470.992 χ^2 /NDF: 27.4/32

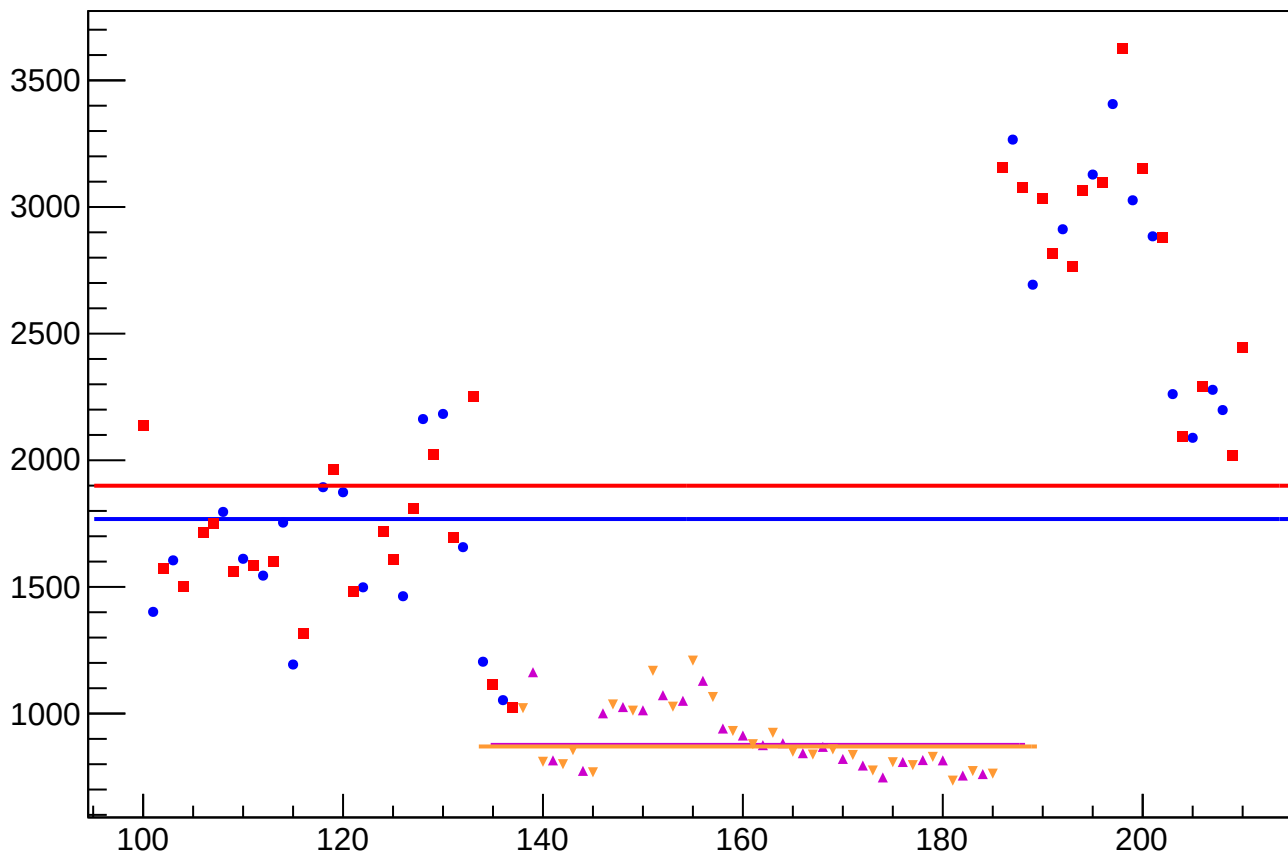
Left In: -65.218 $\pm$ 206.677 χ^2 /NDF: 30.7/22

+ sign -885.403 $\pm$ 184.034 χ^2 /NDF: 89.6/51

All: -594.267 $\pm$ 131.940 χ^2 /NDF: 159.9/107

- sign -286.370 $\pm$ 189.257 χ^2 /NDF: 65.2/55

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug



Right In: 1768.008 $\pm$ 0.334 χ^2/NDF : 3351970.0/26

Left Out: 870.008 $\pm$ 0.141 χ^2/NDF : 647275.9/24

Right Out: 1899.570 $\pm$ 0.333 χ^2/NDF : 3535046.7/32

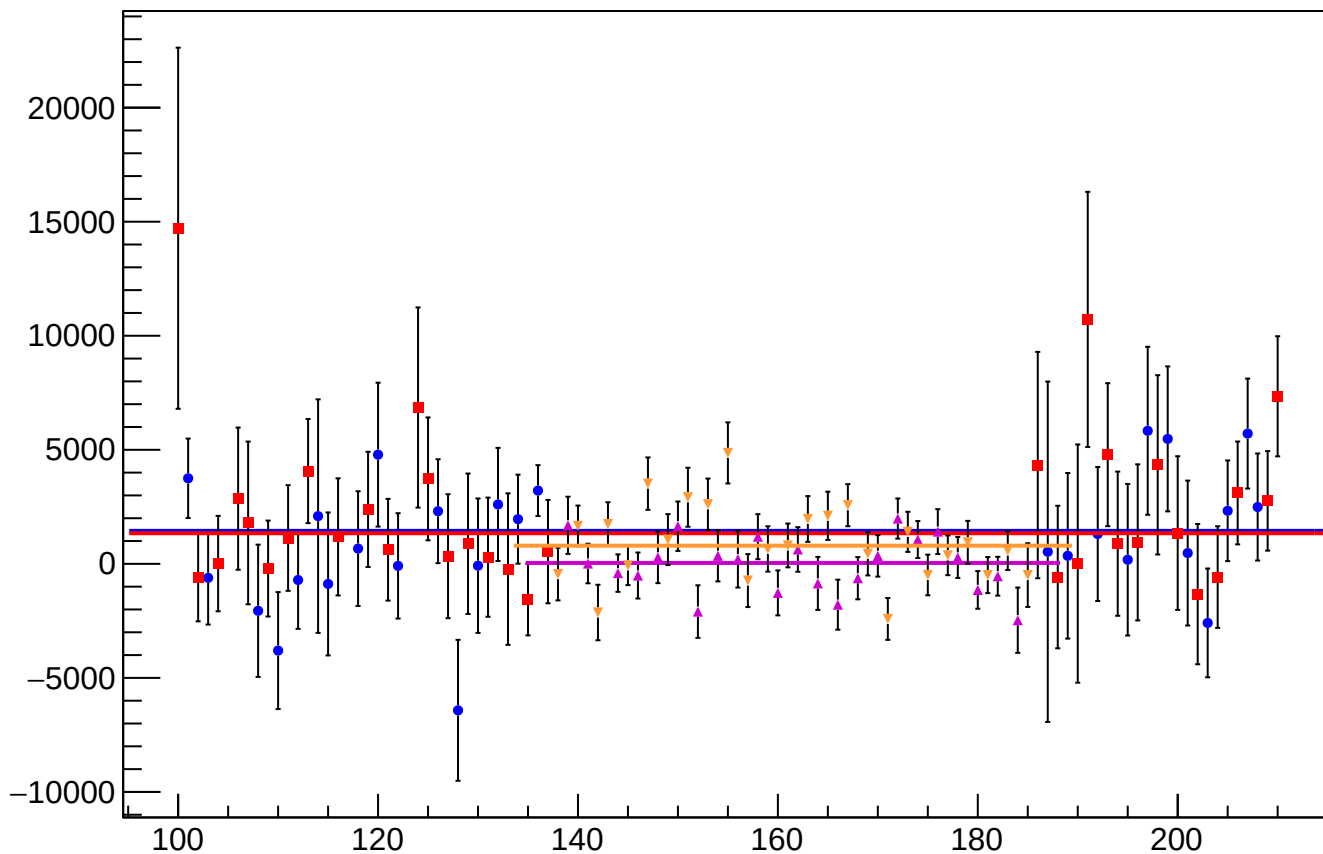
Left In: 876.272 $\pm$ 0.146 χ^2/NDF : 597200.9/22

+ sign 1006.524 $\pm$ 0.130 χ^2/NDF : 10137978.8/51

All: 1023.522 $\pm$ 0.093 χ^2/NDF : 22221745.5/1

- sign 1041.499 $\pm$ 0.134 χ^2/NDF : 12048659.3/55

asym_sam_24_68_dd_mean vs Slug



Right In: 1445.488 ± 466.665 χ^2/NDF : 31.1/26

Left Out: 796.287 ± 198.802 χ^2/NDF : 57.2/24

Right Out: 1341.878 ± 467.073 χ^2/NDF : 26.4/32

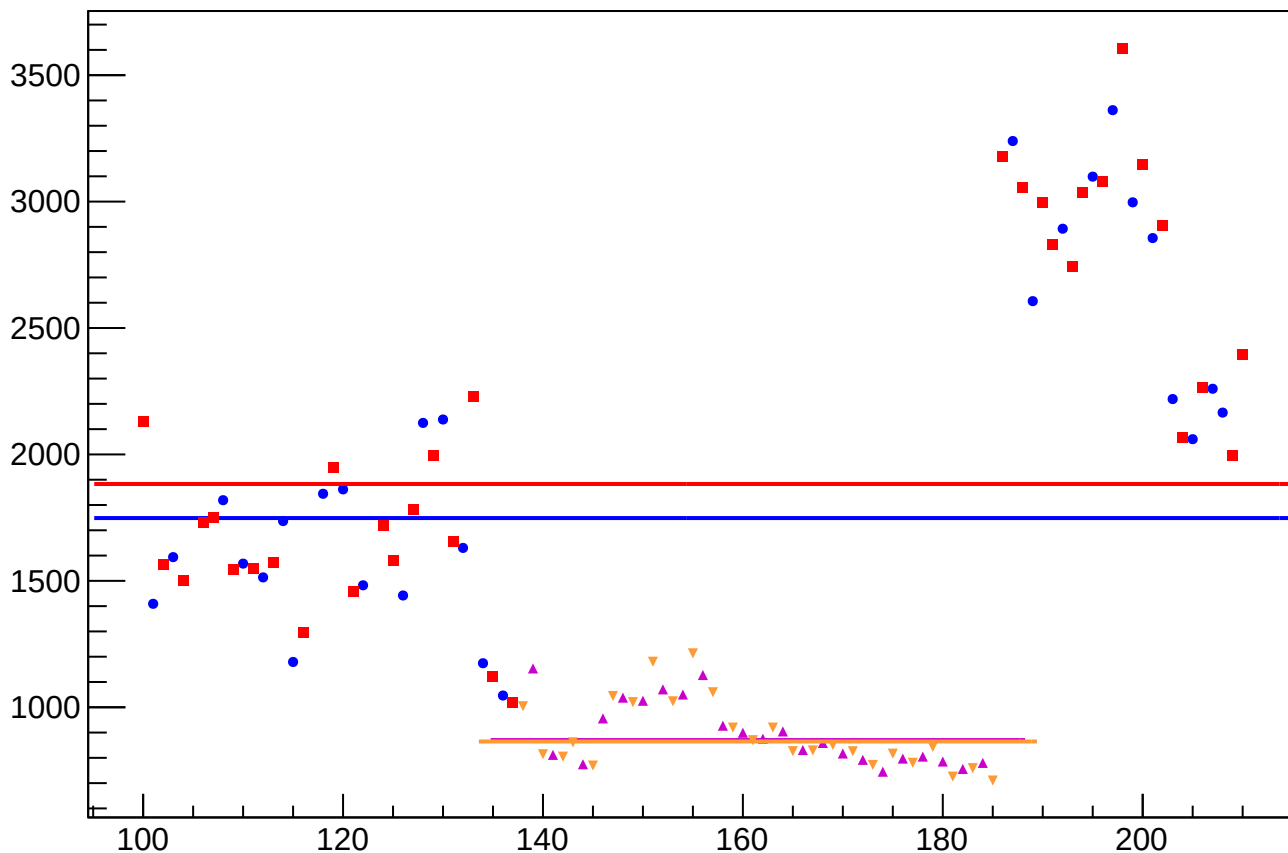
Left In: 39.746 ± 205.349 χ^2/NDF : 29.7/22

+ sign 896.007 ± 182.897 χ^2/NDF : 89.9/51

All: 582.187 ± 131.089 χ^2/NDF : 158.6/107

- sign 250.669 ± 187.984 χ^2/NDF : 62.6/55

asym_sam_24_68_dd_rms vs Slug



Right In: 1748.369+/-0.330 χ^2/NDF : 3323512.5/26

Left Out: 864.637+/-0.141 χ^2/NDF : 688948.2/24

Right Out: 1883.114+/-0.330 χ^2/NDF : 3539284.5/32

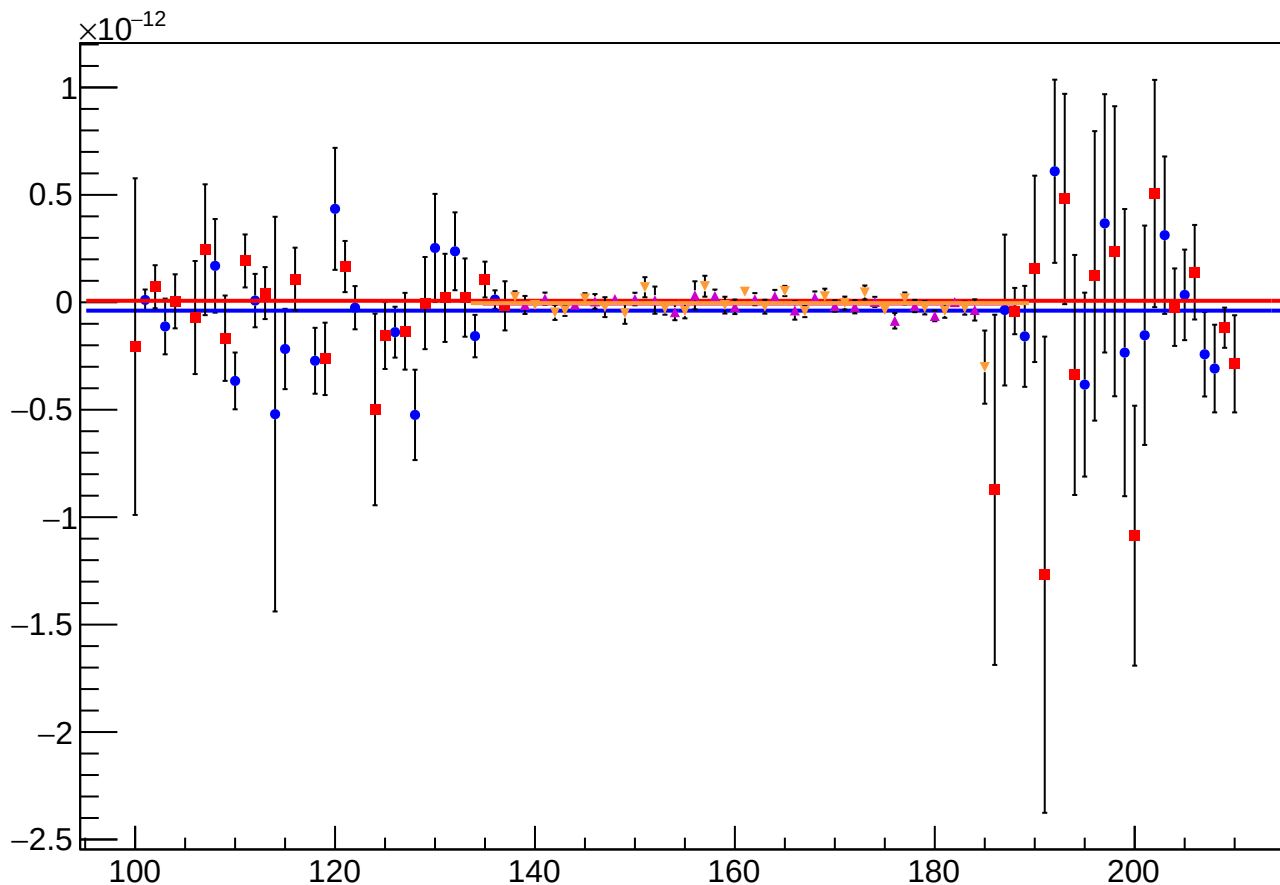
Left In: 870.346+/-0.145 χ^2/NDF : 604520.6/22

+ sign 1000.382+/-0.129 χ^2/NDF : 10083098.3/51

All: 1016.923+/-0.093 χ^2/NDF : 22140651.3/100

- sign 1034.397+/-0.133 χ^2/NDF : 12023913.3/55

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 35.1/26

Left Out: -0.000+/-0.000 χ^2/NDF : 38.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 25.9/32

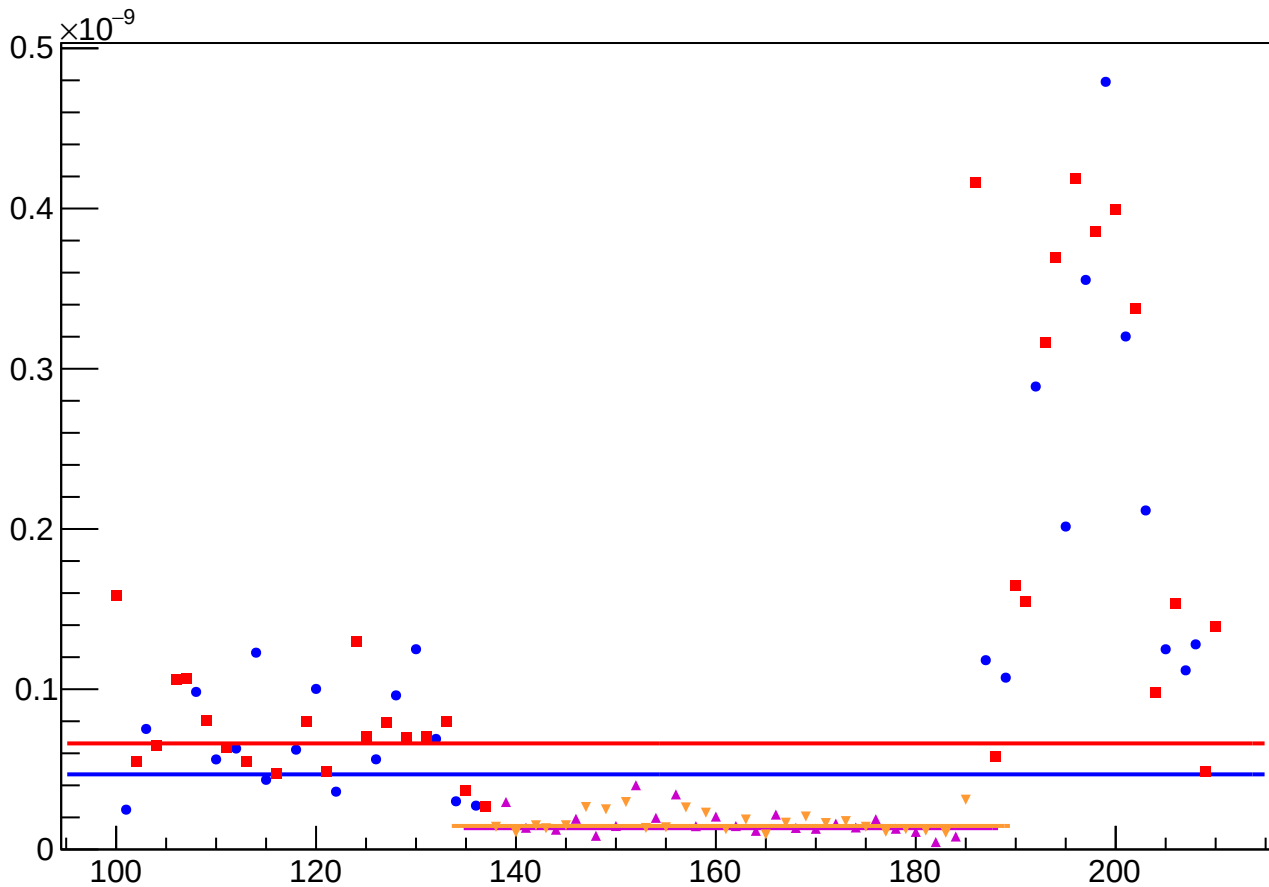
Left In: -0.000+/-0.000 χ^2/NDF : 20.6/22

+ sign -0.000+/-0.000 χ^2/NDF : 75.8/51

All: -0.000+/-0.000 χ^2/NDF : 122.6/107

- sign -0.000+/-0.000 χ^2/NDF : 46.7/55

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5876785.5/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1073691.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5201818.3/32

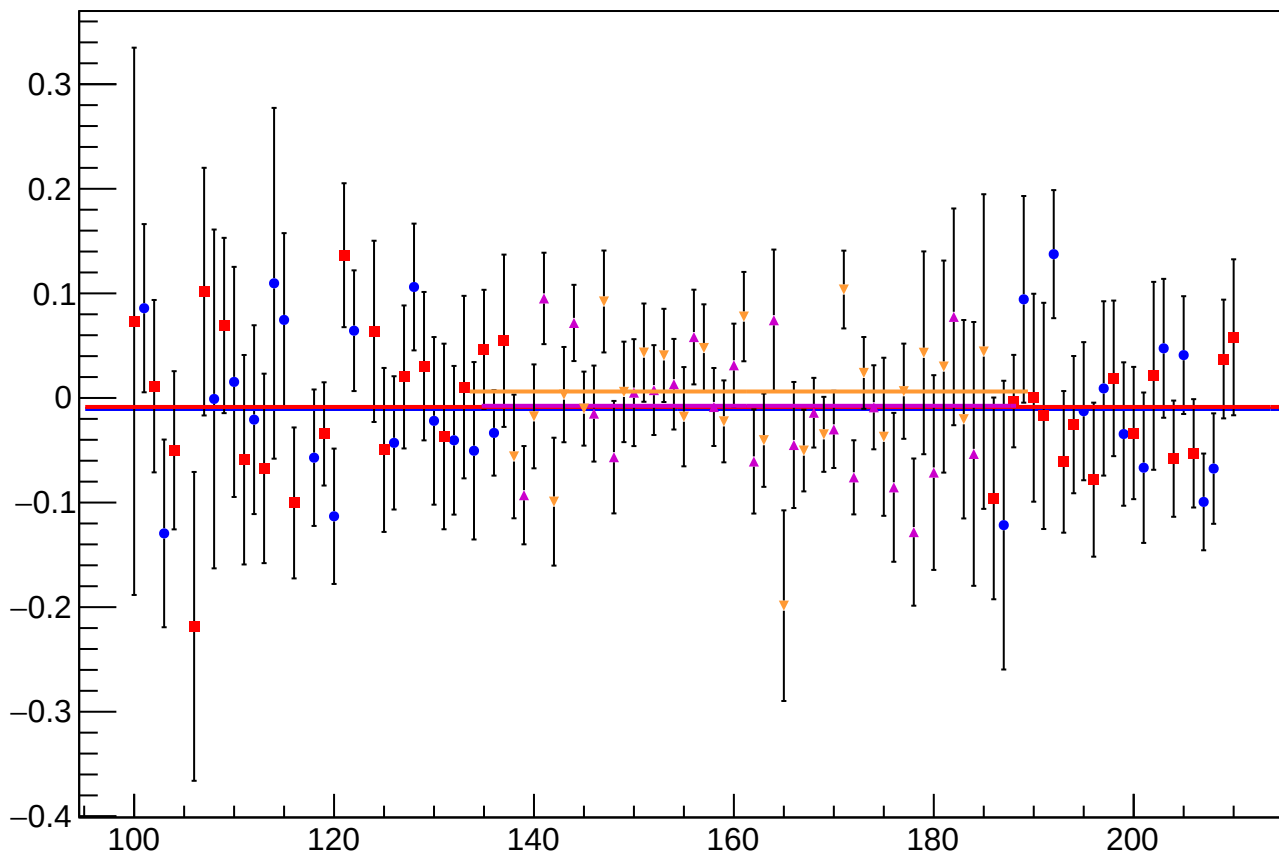
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1970835.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10309906.0/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 23820541.9/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13473235.5/55

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.011 ± 0.013 χ^2/NDF : 29.1/26

Left Out: 0.006 ± 0.010 χ^2/NDF : 30.8/24

Right Out: -0.009 ± 0.013 χ^2/NDF : 20.1/32

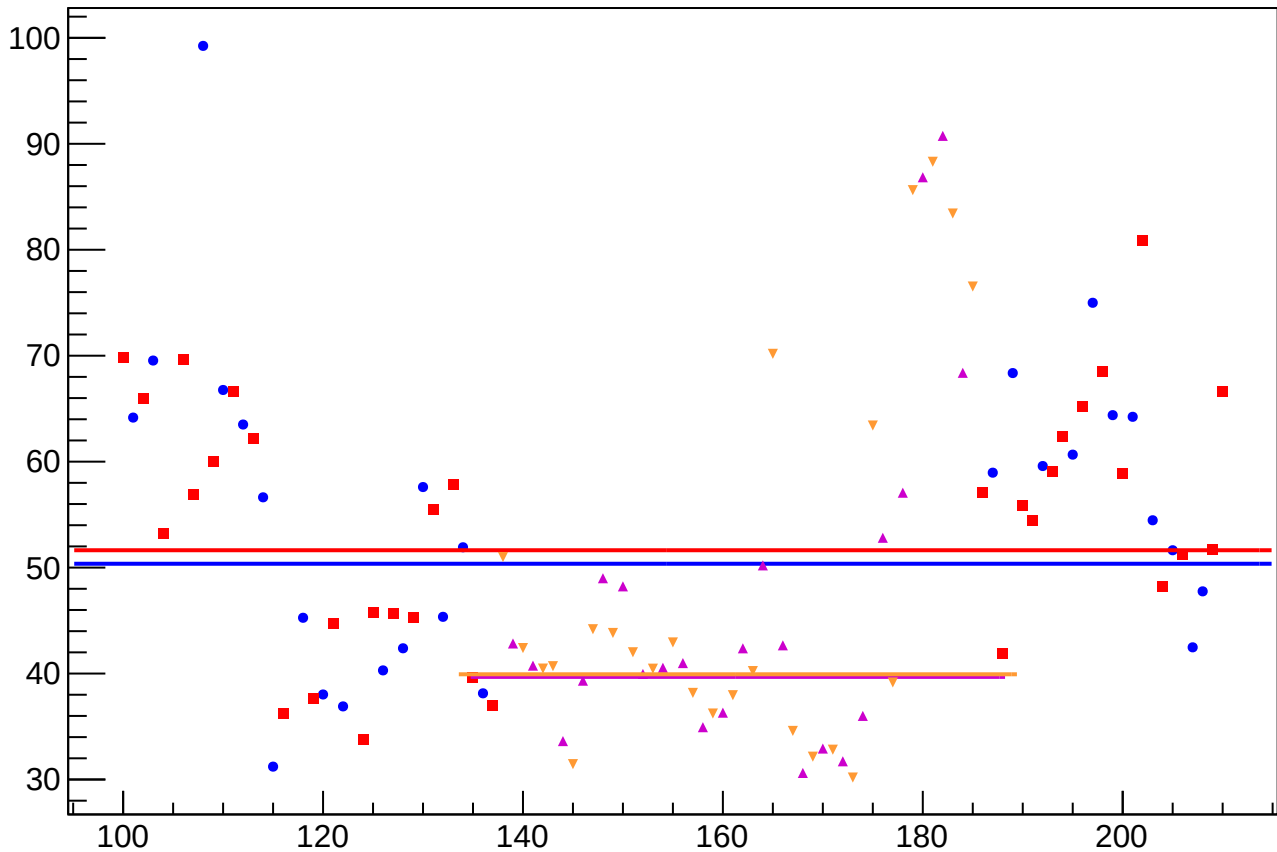
Left In: -0.007 ± 0.010 χ^2/NDF : 30.4/22

+ sign 0.000 ± 0.008 χ^2/NDF : 61.0/51

All: -0.004 ± 0.005 χ^2/NDF : 112.1/107

- sign -0.008 ± 0.008 χ^2/NDF : 50.6/55

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 50.363+/-0.009 χ^2/NDF : 1586146.4/26

Left Out: 39.930+/-0.007 χ^2/NDF : 2475485.4/24

Right Out: 51.638+/-0.009 χ^2/NDF : 1444094.7/32

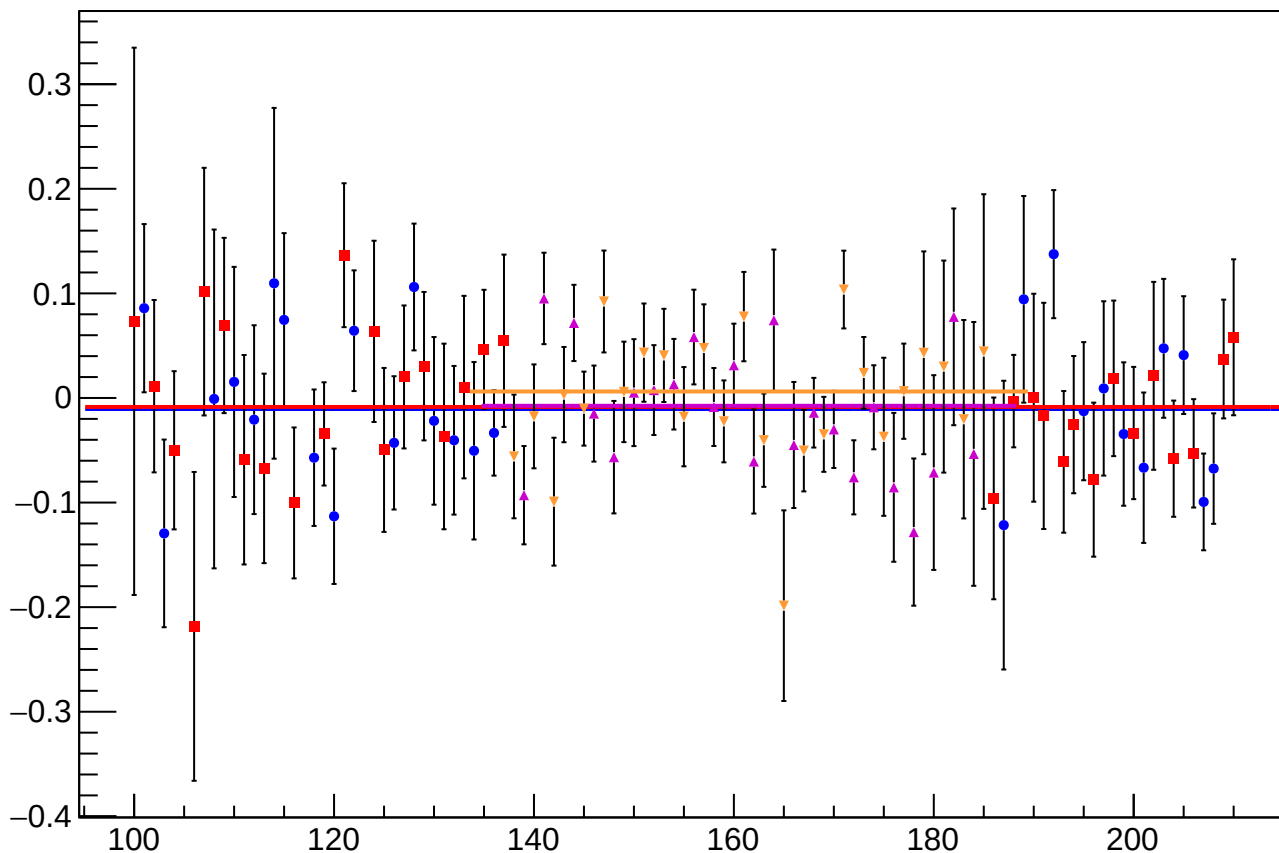
Left In: 39.686+/-0.007 χ^2/NDF : 1915871.4/22

+ sign 43.492+/-0.005 χ^2/NDF : 4872877.1/51

All: 43.822+/-0.004 χ^2/NDF : 9356724.8/107

- sign 44.149+/-0.005 χ^2/NDF : 4476665.5/55

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011 ± 0.013 χ^2/NDF : 29.1/26

Left Out: 0.006 ± 0.010 χ^2/NDF : 30.8/24

Right Out: -0.009 ± 0.013 χ^2/NDF : 20.1/32

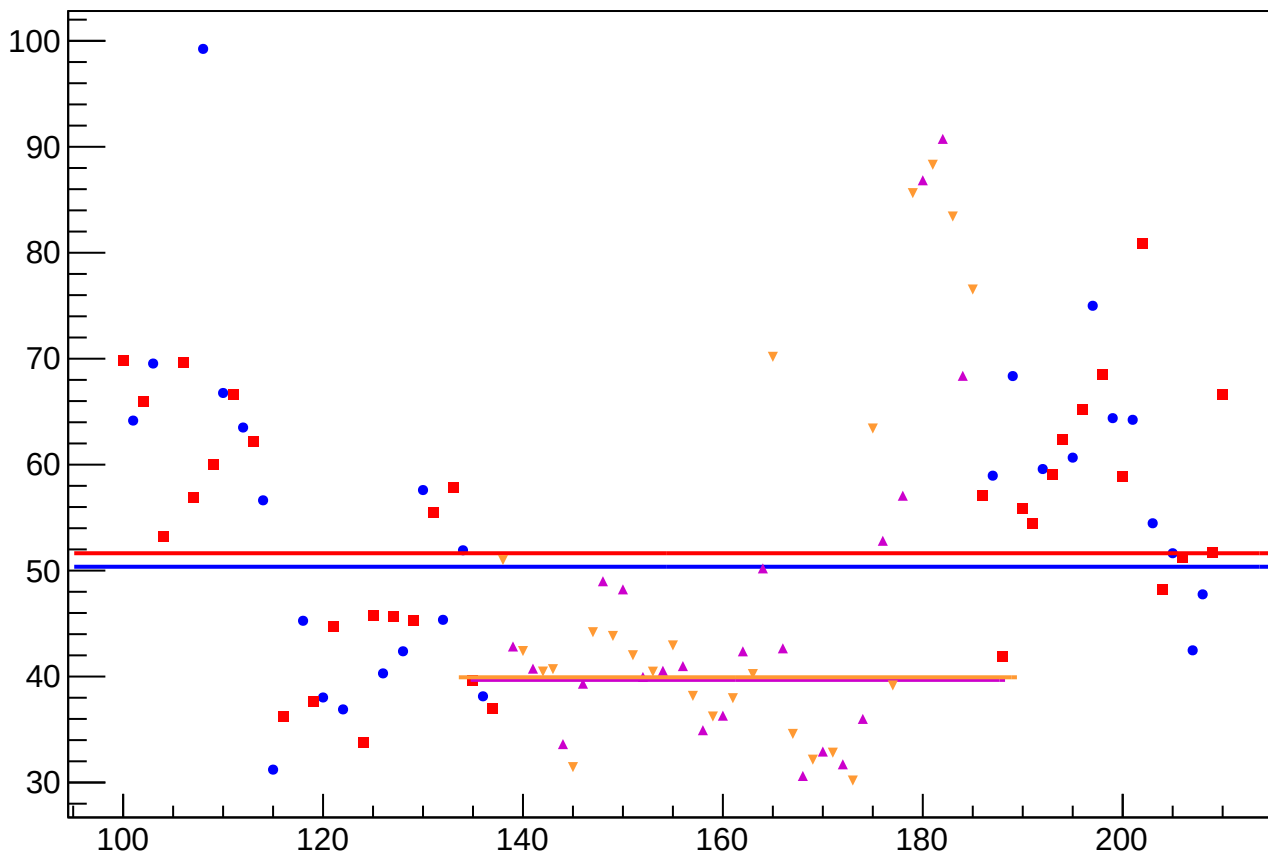
Left In: -0.007 ± 0.010 χ^2/NDF : 30.4/22

+ sign 0.000 ± 0.008 χ^2/NDF : 61.0/51

All: -0.004 ± 0.005 χ^2/NDF : 112.1/107

- sign -0.008 ± 0.008 χ^2/NDF : 50.6/55

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.363 $\pm$ 0.009 χ^2 /NDF: 1586146.4/26

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475485.4/24

Right Out: 51.638 $\pm$ 0.009 χ^2 /NDF: 1444094.7/32

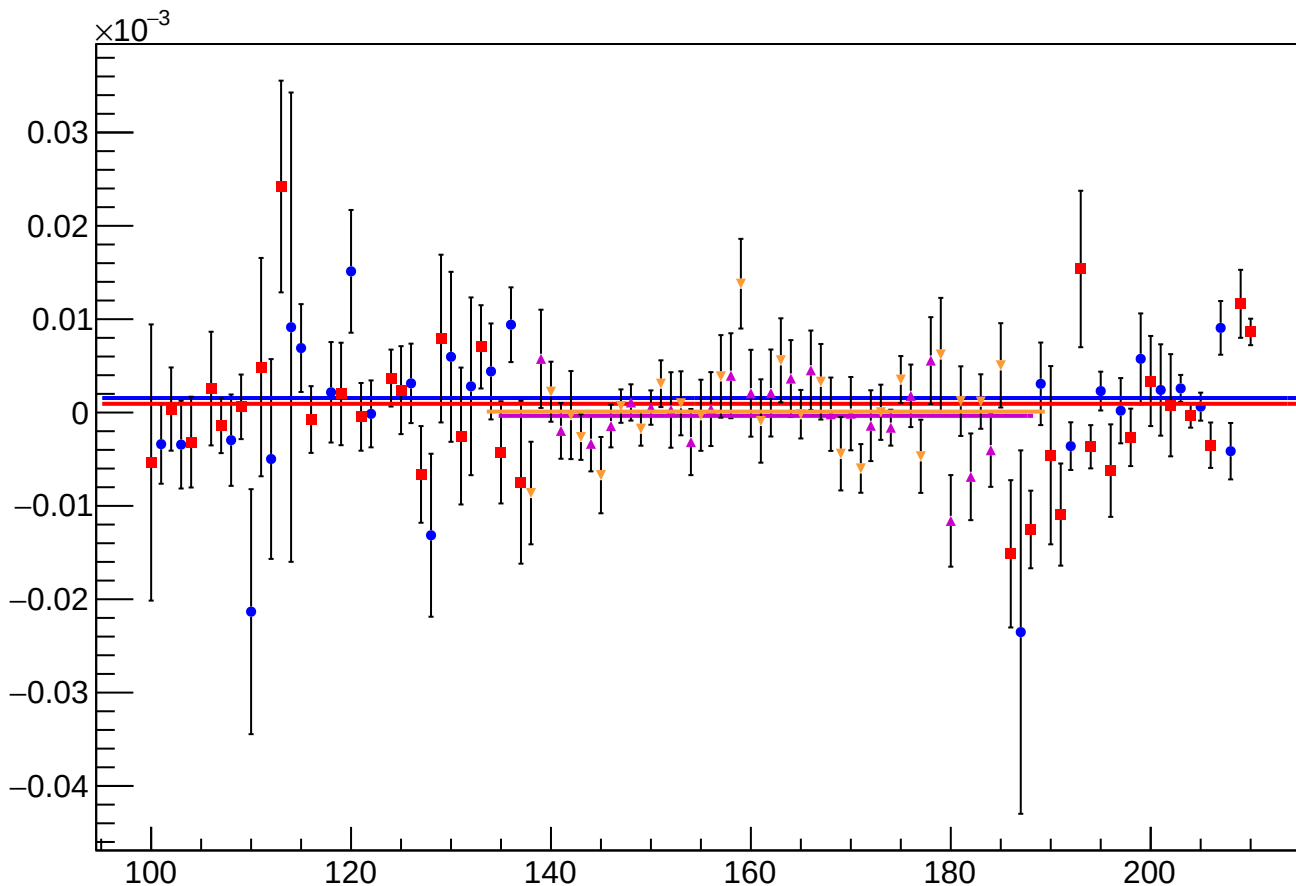
Left In: 39.686 $\pm$ 0.007 χ^2 /NDF: 1915871.4/22

+ sign 43.492 $\pm$ 0.005 χ^2 /NDF: 4872877.1/51

All: 43.822 $\pm$ 0.004 χ^2 /NDF: 9356724.8/107

- sign 44.149 $\pm$ 0.005 χ^2 /NDF: 4476665.5/55

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:33.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 86.7/32

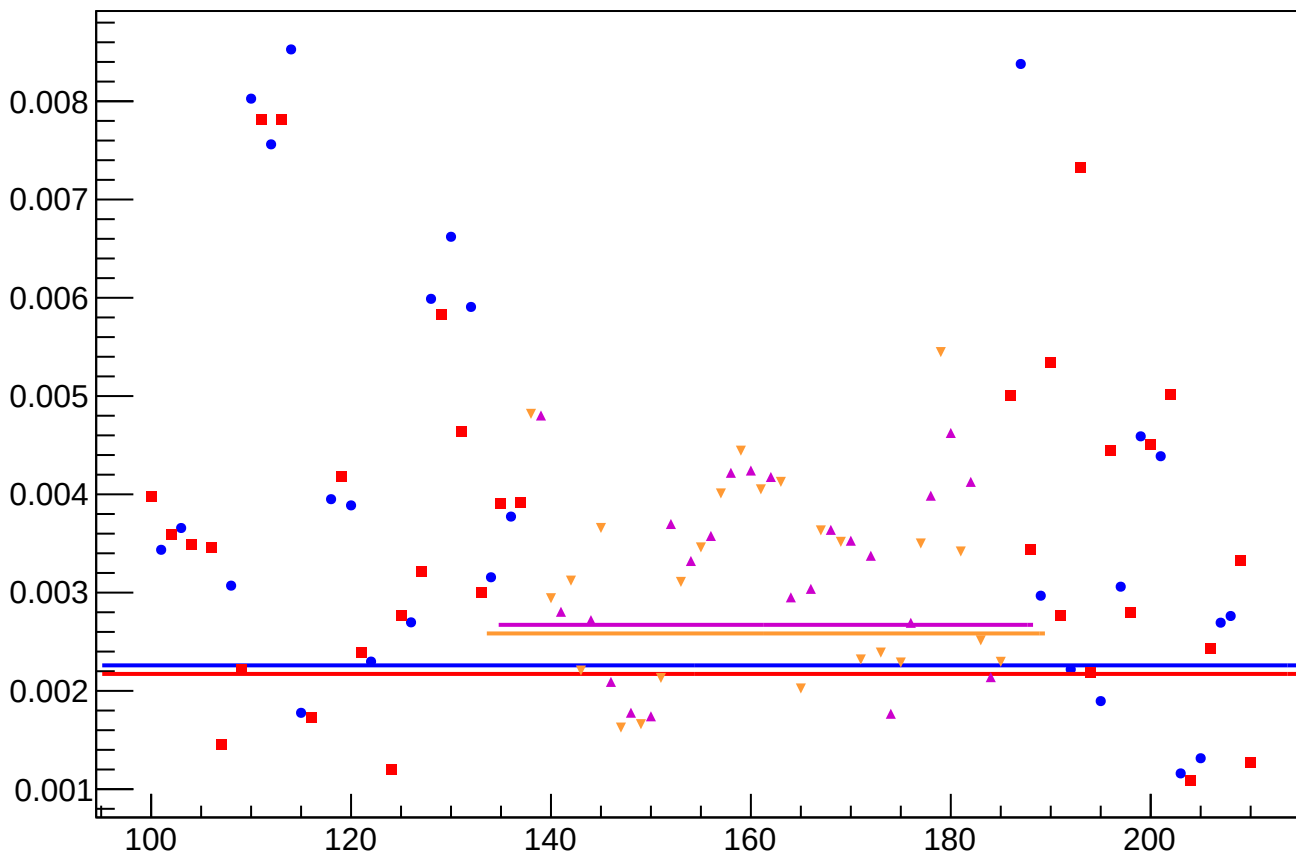
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:18.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 73.9/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 181.9/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 107.5/55

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 6518265.3/26

Left Out: 0.003+/-0.000 χ^2/NDF : 3892707.7/24

Right Out: 0.002+/-0.000 χ^2/NDF : 8565199.4/32

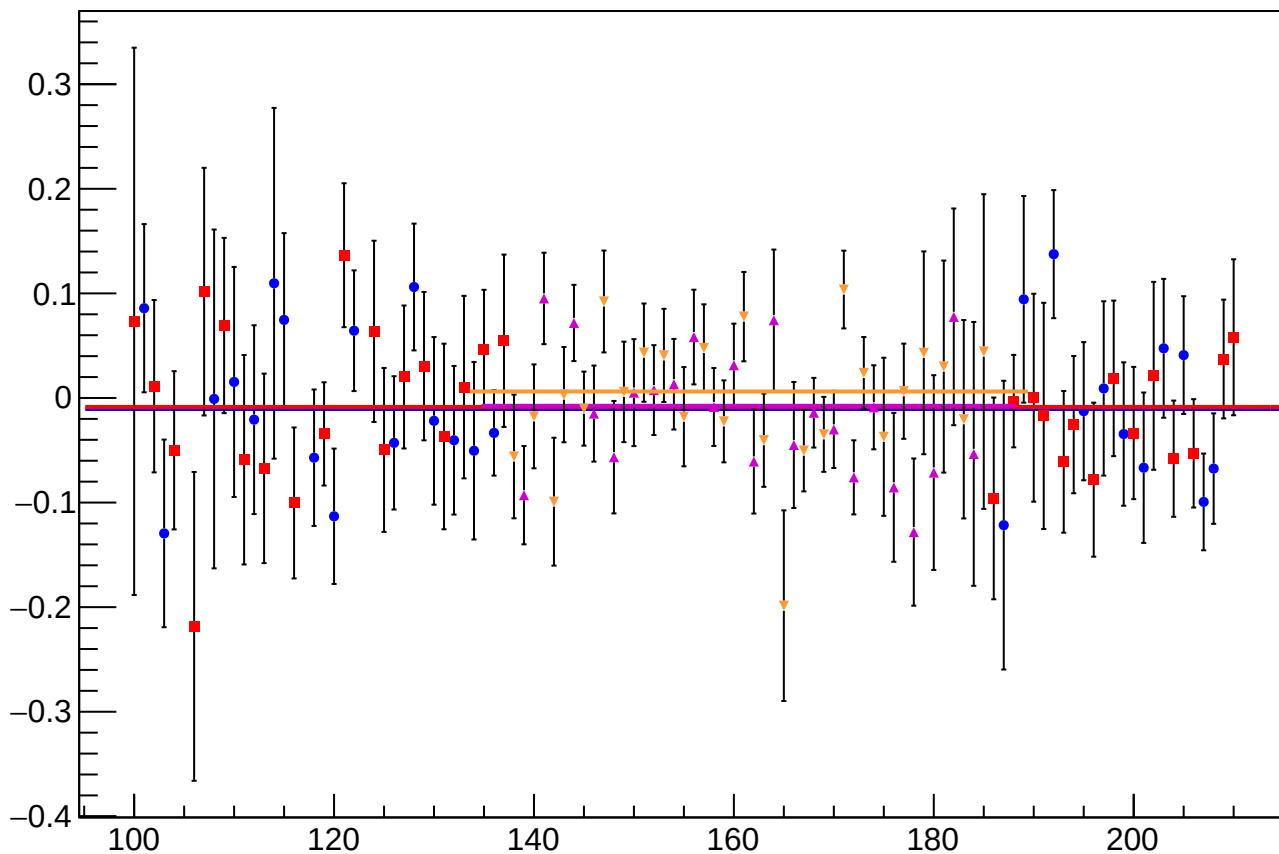
Left In: 0.003+/-0.000 χ^2/NDF : 3825662.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 10665297.2/51

All: 0.002+/-0.000 χ^2/NDF : 23677412.5/107

- sign 0.002+/-0.000 χ^2/NDF : 13006188.5/55

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.011 ± 0.013 χ^2/NDF : 29.1/26

Left Out: 0.006 ± 0.010 χ^2/NDF : 30.8/24

Right Out: -0.009 ± 0.013 χ^2/NDF : 20.1/32

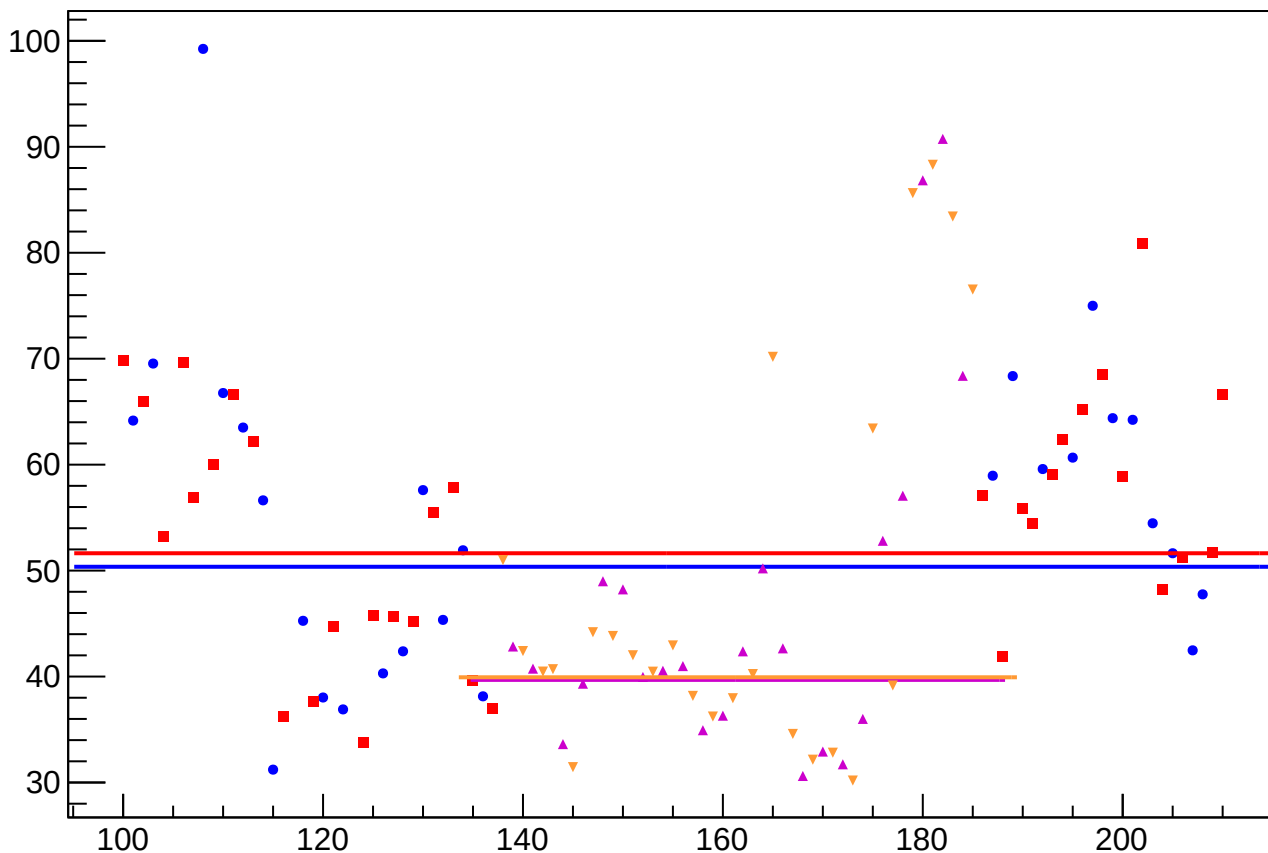
Left In: -0.007 ± 0.010 χ^2/NDF : 30.4/22

+ sign 0.000 ± 0.008 χ^2/NDF : 61.0/51

All: -0.004 ± 0.005 χ^2/NDF : 112.1/107

- sign -0.008 ± 0.008 χ^2/NDF : 50.6/55

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 50.362 $\pm$ 0.009 χ^2 /NDF: 1586188.3/26

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475527.1/24

Right Out: 51.638 $\pm$ 0.009 χ^2 /NDF: 1444138.0/32

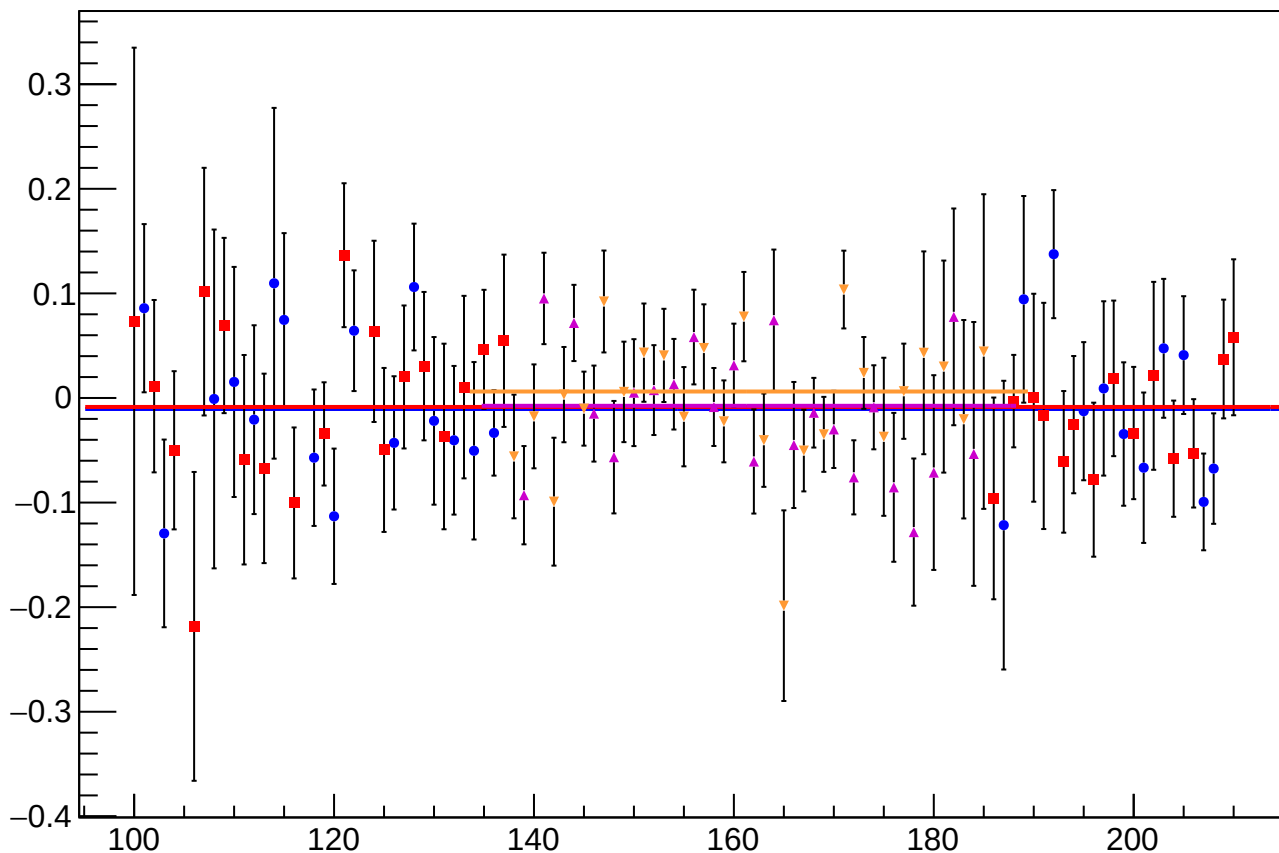
Left In: 39.685 $\pm$ 0.007 χ^2 /NDF: 1915901.2/22

+ sign 43.492 $\pm$ 0.005 χ^2 /NDF: 4872794.2/51

All: 43.822 $\pm$ 0.004 χ^2 /NDF: 9356652.8/107

- sign 44.149 $\pm$ 0.005 χ^2 /NDF: 4476678.5/55

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011 ± 0.013 χ^2/NDF : 29.1/26

Left Out: 0.006 ± 0.010 χ^2/NDF : 30.8/24

Right Out: -0.009 ± 0.013 χ^2/NDF : 20.1/32

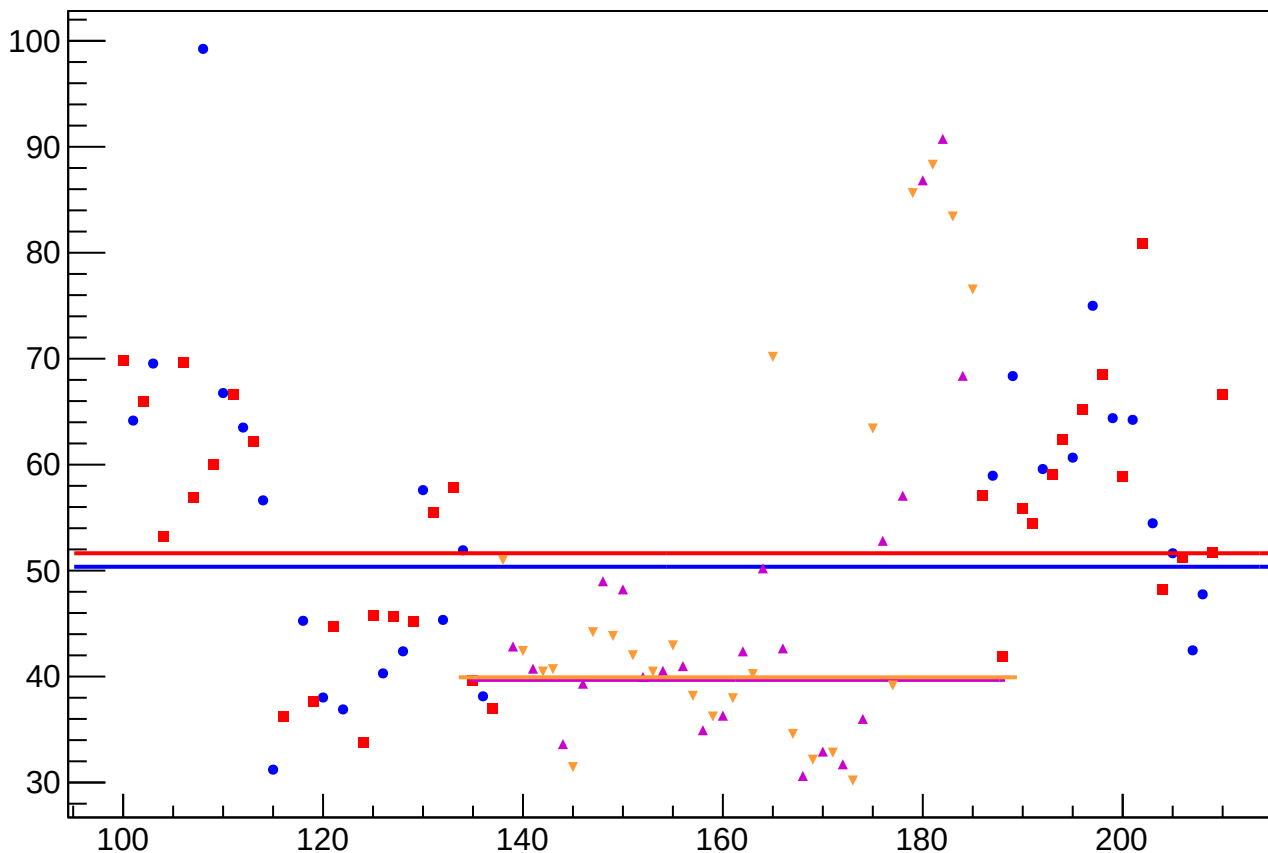
Left In: -0.007 ± 0.010 χ^2/NDF : 30.4/22

+ sign 0.000 ± 0.008 χ^2/NDF : 61.0/51

All: -0.004 ± 0.005 χ^2/NDF : 112.1/107

- sign -0.008 ± 0.008 χ^2/NDF : 50.6/55

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.362 $\pm$ 0.009 χ^2 /NDF: 1586188.3/26

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475527.1/24

Right Out: 51.638 $\pm$ 0.009 χ^2 /NDF: 1444138.0/32

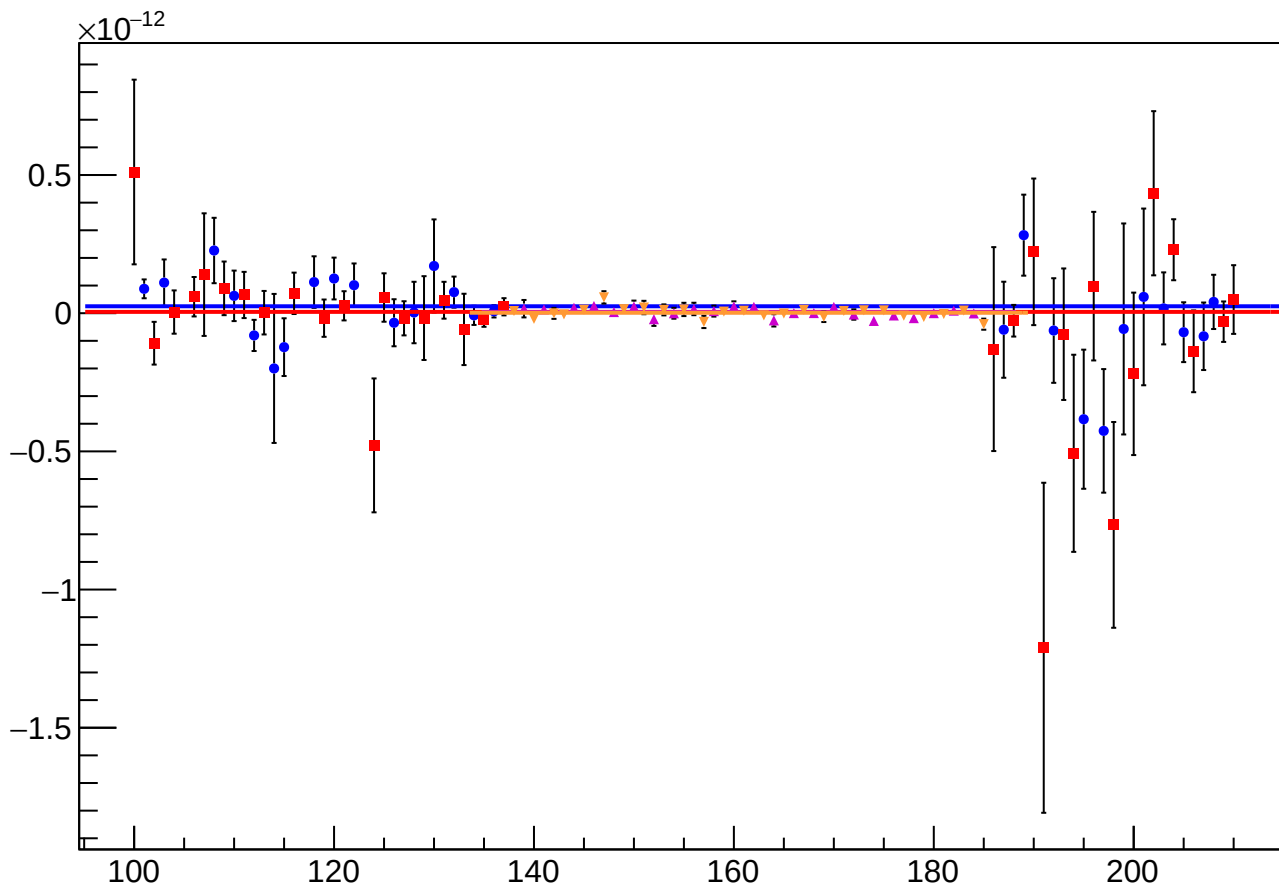
Left In: 39.685 $\pm$ 0.007 χ^2 /NDF: 1915901.2/22

+ sign 43.492 $\pm$ 0.005 χ^2 /NDF: 4872794.2/51

All: 43.822 $\pm$ 0.004 χ^2 /NDF: 9356652.8/107

- sign 44.149 $\pm$ 0.005 χ^2 /NDF: 4476678.5/55

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.9/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:28.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.2/32

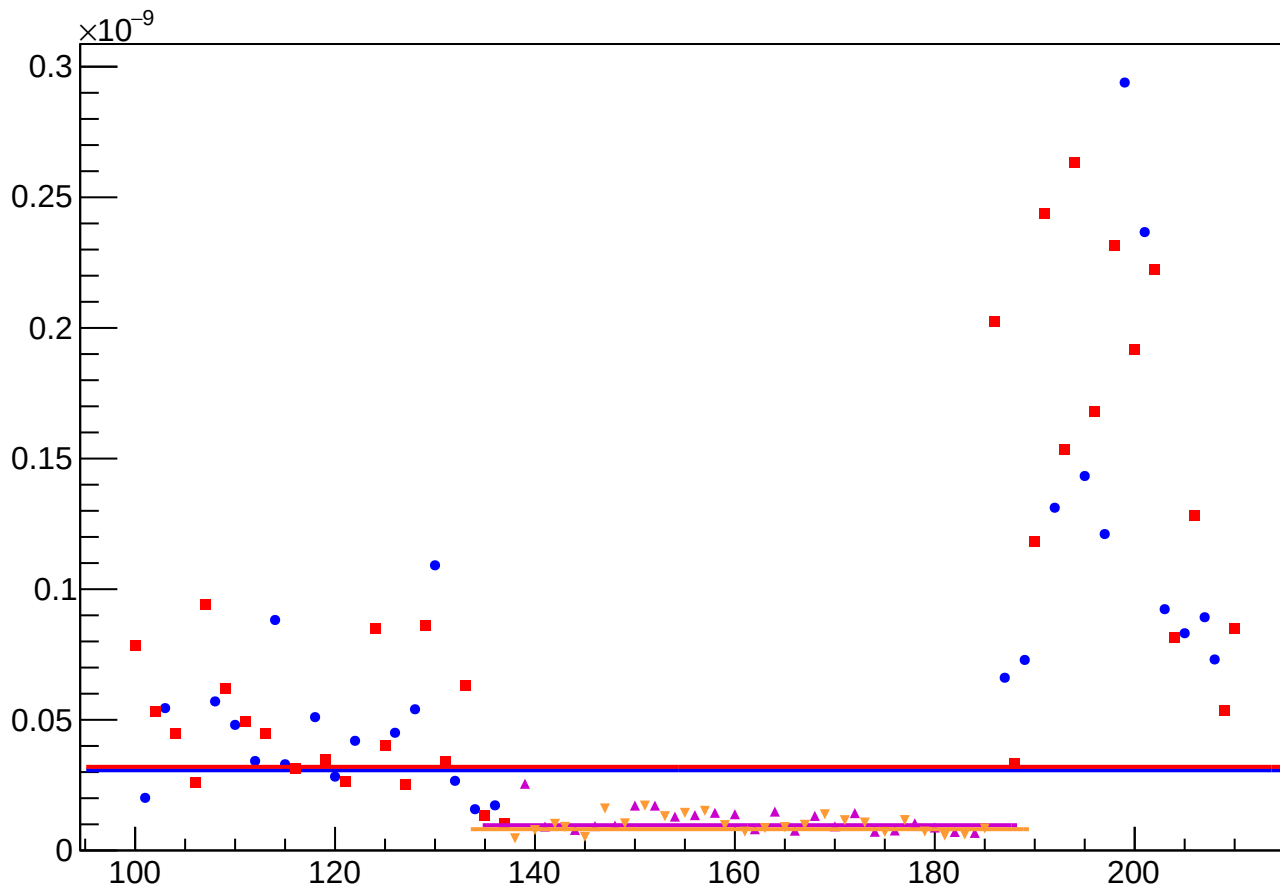
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:27.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 63.9/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 125.8/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.7/55

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 7516956.9/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2354980.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9716566.2/32

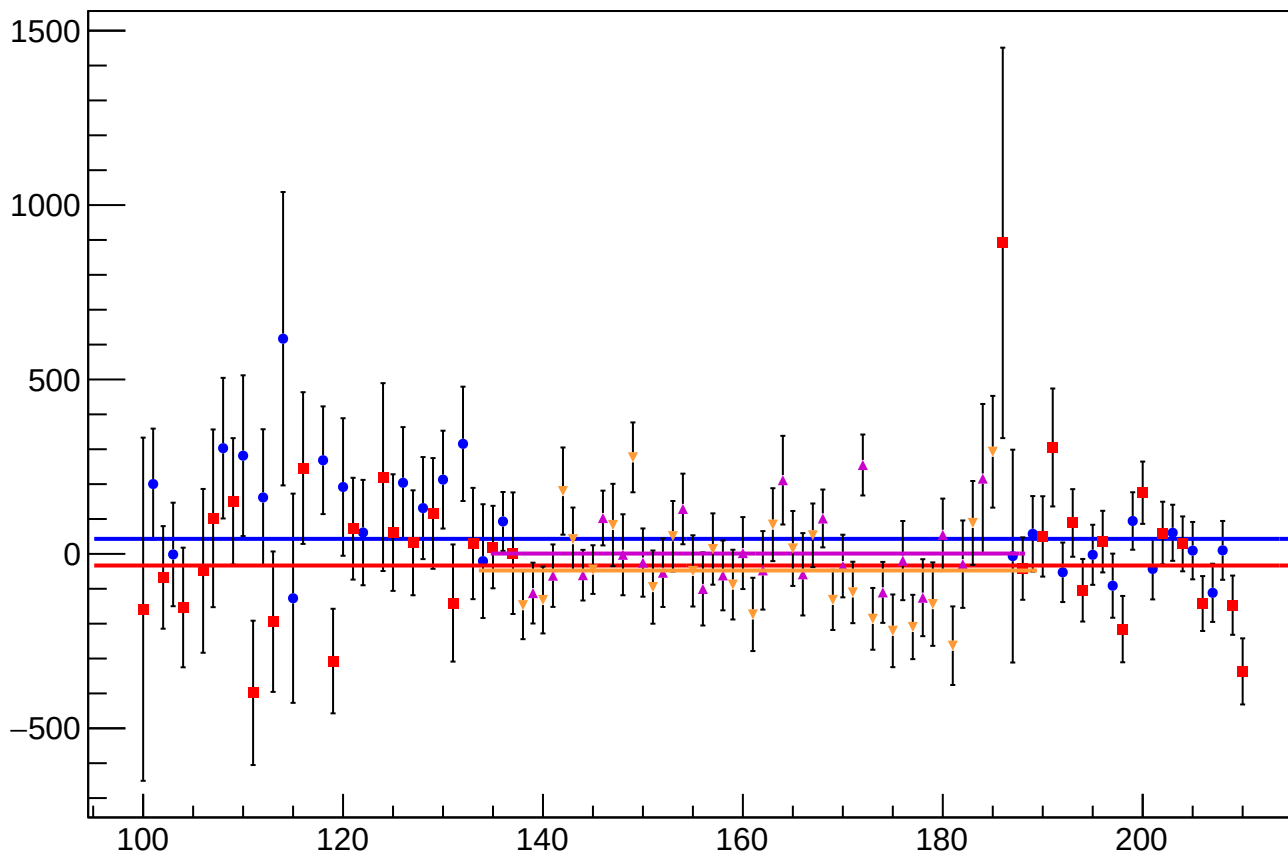
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2106161.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 15686949.9/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 33269736.5/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 17170758.1/55

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 43.082 ± 22.434 χ^2/NDF : 24.1/26

Left Out: -47.524 ± 19.983 χ^2/NDF : 44.0/24

Right Out: -33.301 ± 21.554 χ^2/NDF : 49.2/32

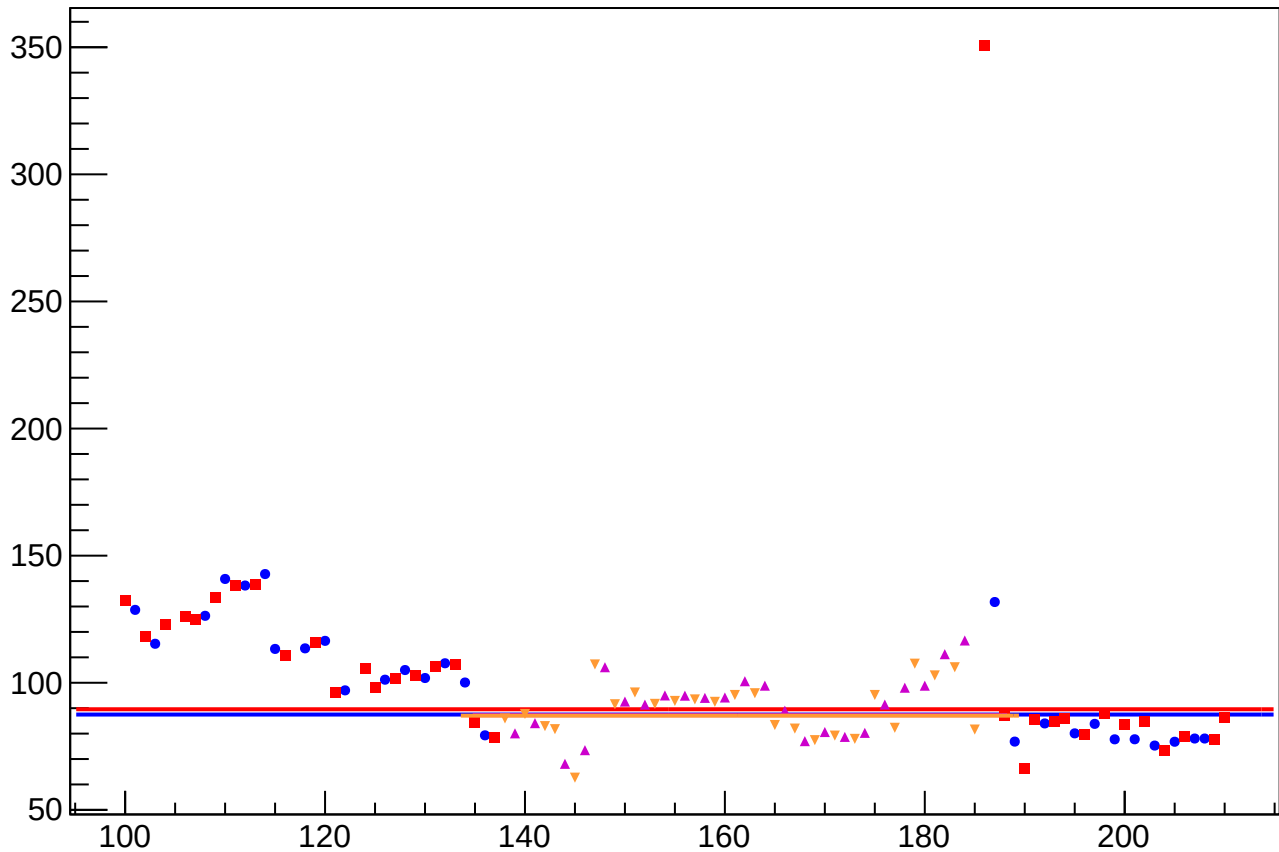
Left In: 0.986 ± 20.604 χ^2/NDF : 25.5/22

+ sign -7.439 ± 14.922 χ^2/NDF : 77.1/51

All: -11.419 ± 10.541 χ^2/NDF : 153.2/107

- sign -15.385 ± 14.894 χ^2/NDF : 76.0/55

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 87.497 $\pm$ 0.016 χ^2 /NDF: 1069895.7/26

Left Out: 87.072 $\pm$ 0.014 χ^2 /NDF: 620626.5/24

Right Out: 89.582 $\pm$ 0.015 χ^2 /NDF: 1518834.4/32

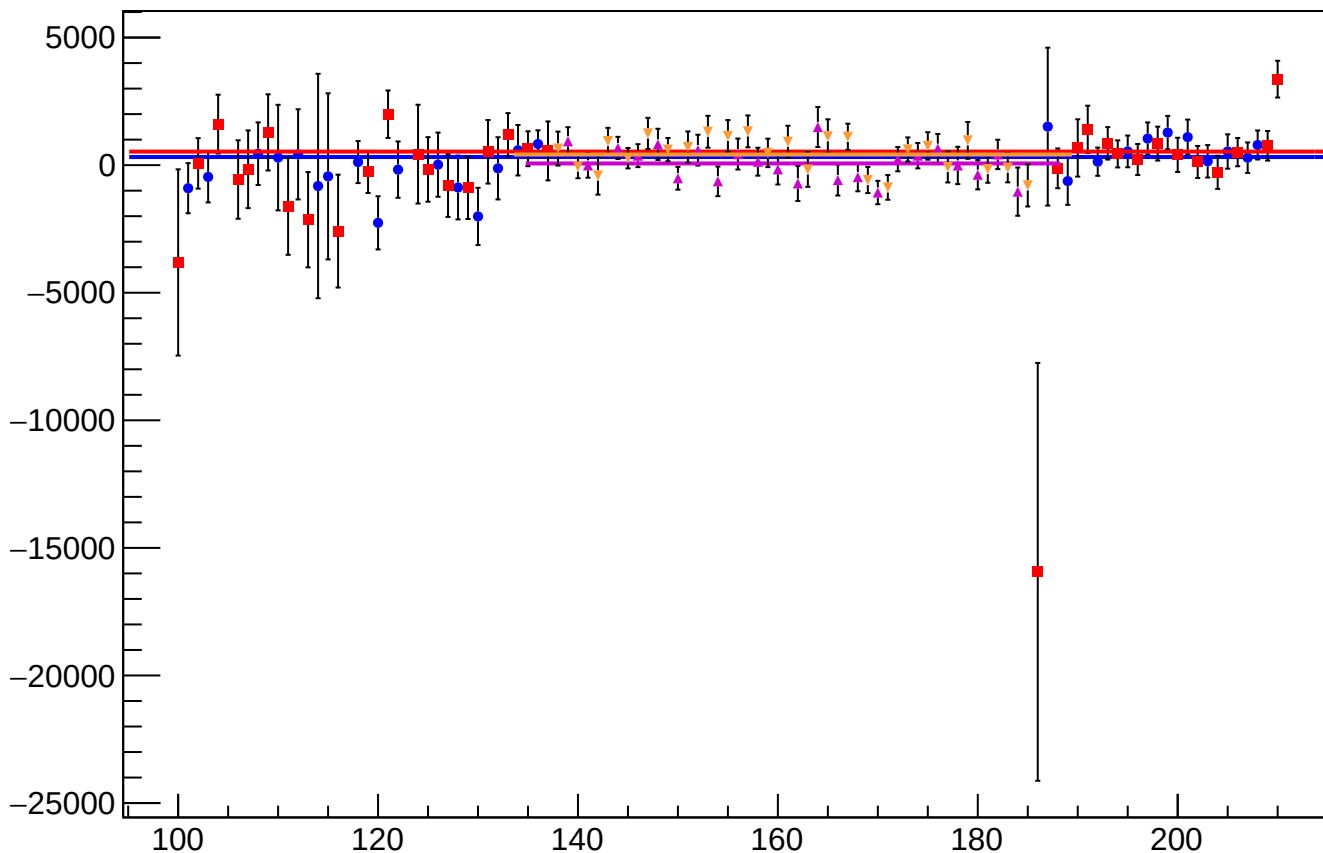
Left In: 87.257 $\pm$ 0.015 χ^2 /NDF: 595793.1/22

+ sign 87.260 $\pm$ 0.011 χ^2 /NDF: 1690923.7/51

All: 87.814 $\pm$ 0.007 χ^2 /NDF: 3823221.6/107

- sign 88.367 $\pm$ 0.011 χ^2 /NDF: 2126787.3/55

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: 318.001 ± 161.117 χ^2/NDF : 22.1/26

Left Out: 416.424 ± 112.336 χ^2/NDF : 32.4/24

Right Out: 531.227 ± 151.417 χ^2/NDF : 39.8/32

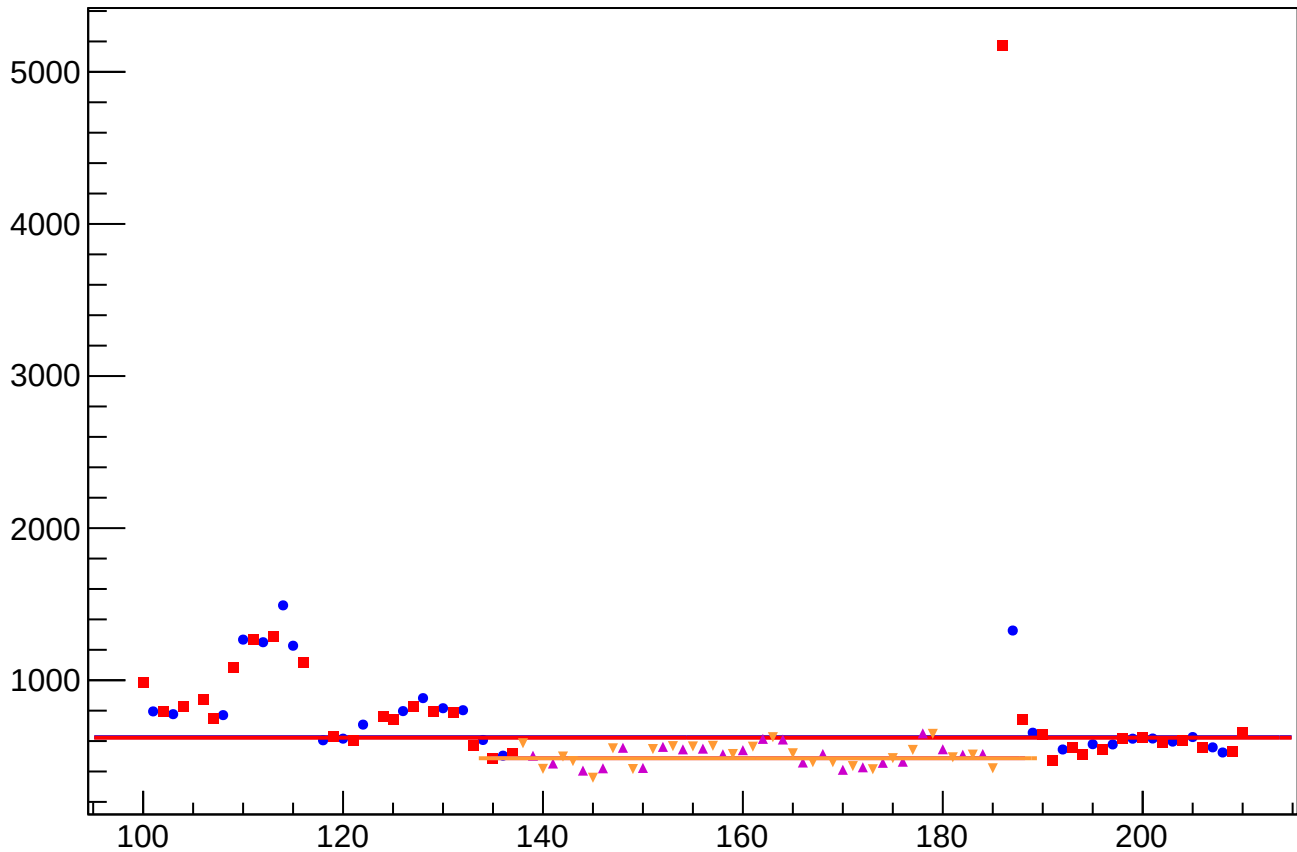
Left In: 66.675 ± 115.419 χ^2/NDF : 27.5/22

+ sign 384.229 ± 92.149 χ^2/NDF : 54.8/51

All: 310.530 ± 65.033 χ^2/NDF : 129.3/107

- sign 237.401 ± 91.792 χ^2/NDF : 73.3/55

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 625.482 $\pm$ 0.114 χ^2 /NDF: 1321474.6/26

Left Out: 487.081 $\pm$ 0.079 χ^2 /NDF: 821265.9/24

Right Out: 622.269 $\pm$ 0.107 χ^2 /NDF: 2205800.7/32

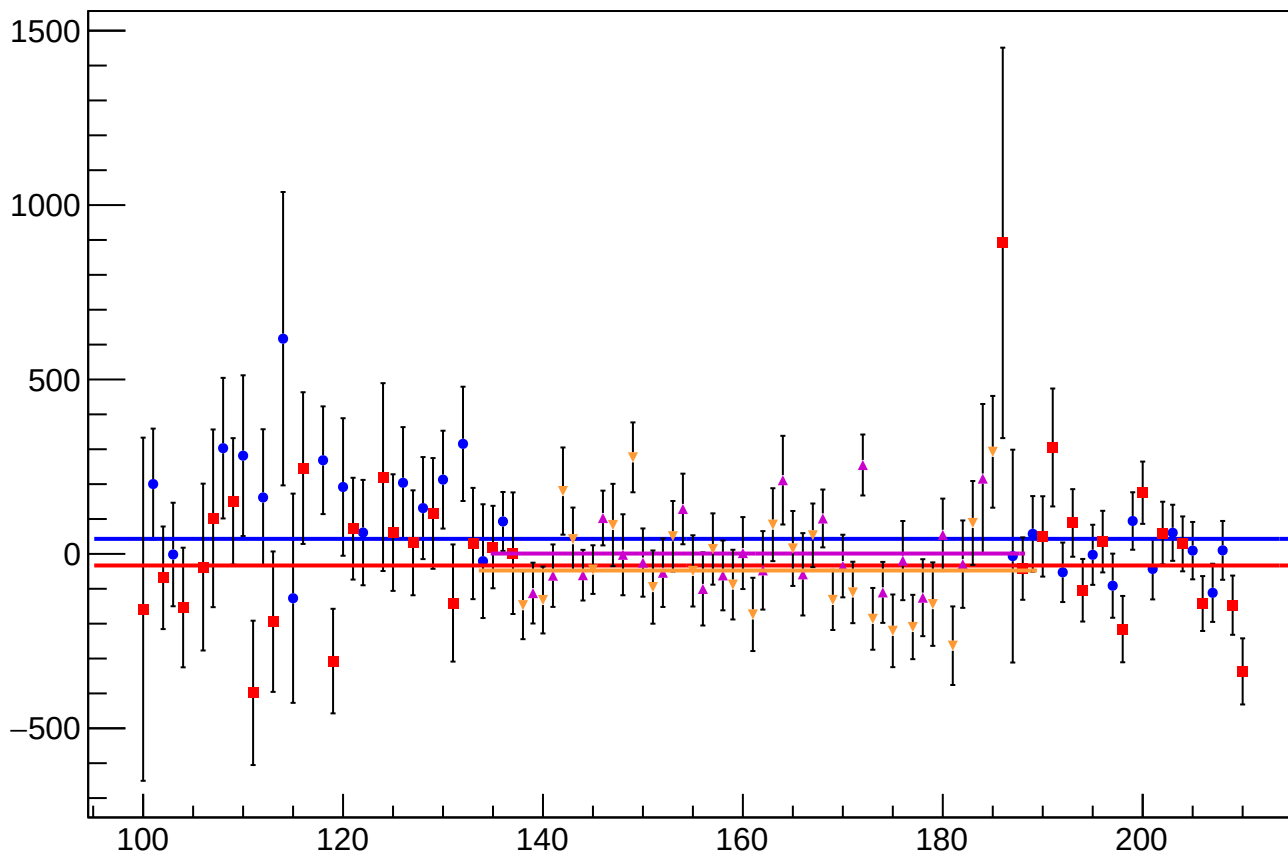
Left In: 487.930 $\pm$ 0.082 χ^2 /NDF: 634269.5/22

+ sign 532.353 $\pm$ 0.065 χ^2 /NDF: 3135787.3/51

All: 534.837 $\pm$ 0.046 χ^2 /NDF: 6974480.7/107

- sign 537.300 $\pm$ 0.065 χ^2 /NDF: 3835800.2/55

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 43.073 +/- 22.434 χ^2/NDF : 24.1/26

Left Out: -47.532 +/- 19.983 χ^2/NDF : 44.0/24

Right Out: -33.228 +/- 21.557 χ^2/NDF : 49.2/32

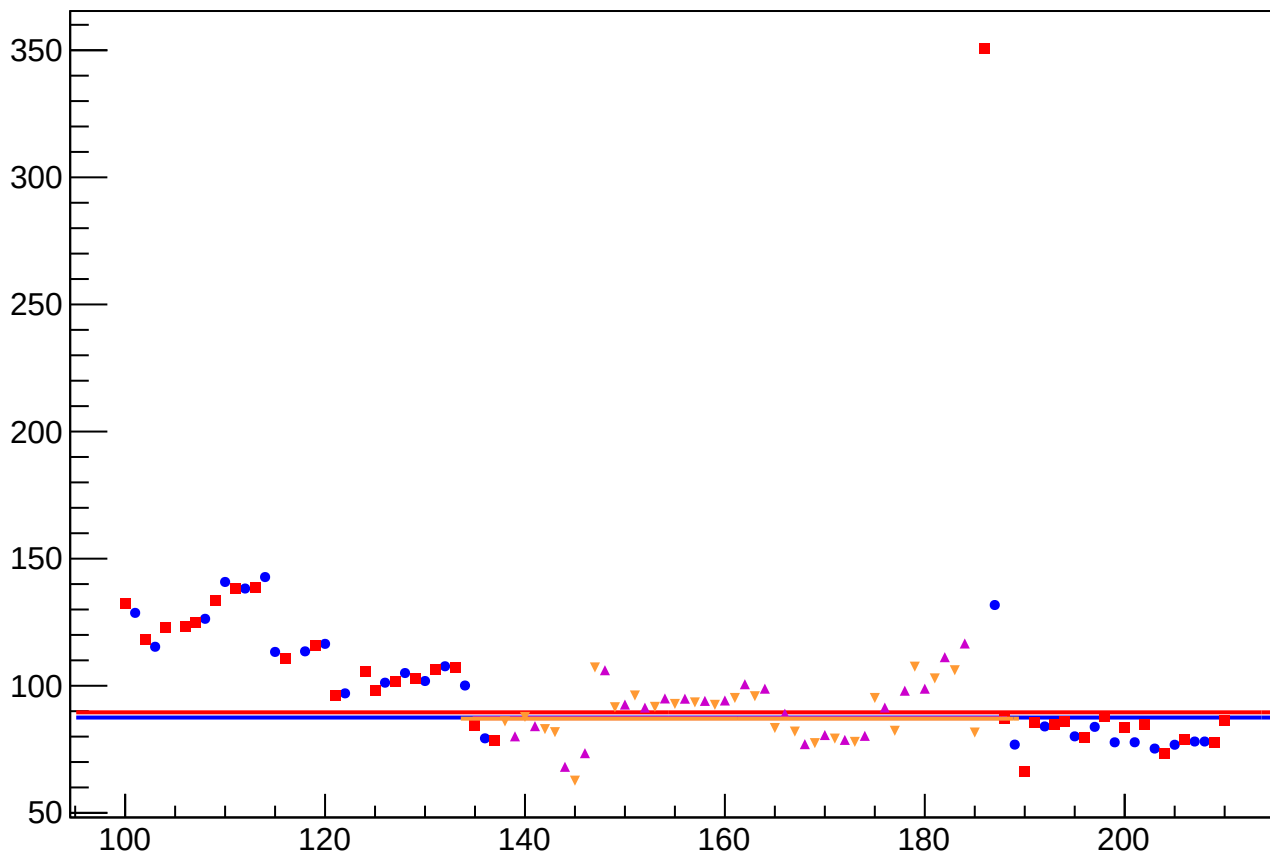
Left In: 0.988 +/- 20.604 χ^2/NDF : 25.5/22

+ sign -7.447 +/- 14.922 χ^2/NDF : 77.1/51

All: -11.404 +/- 10.542 χ^2/NDF : 153.2/107

- sign -15.347 +/- 14.895 χ^2/NDF : 76.0/55

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 87.497 $\pm$ 0.016 χ^2 /NDF: 1069896.1/26

Left Out: 87.072 $\pm$ 0.014 χ^2 /NDF: 620626.5/24

Right Out: 89.548 $\pm$ 0.015 χ^2 /NDF: 1510283.6/32

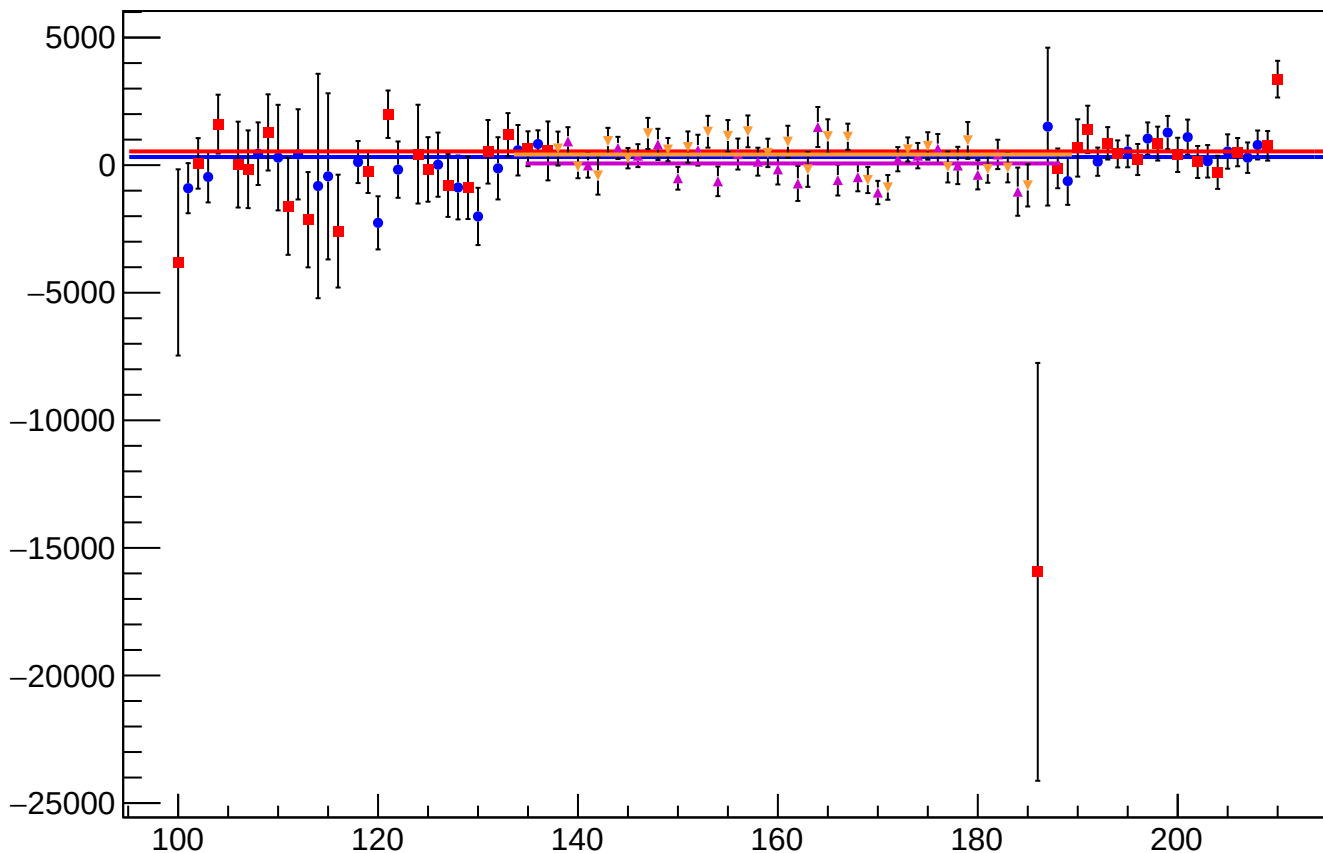
Left In: 87.257 $\pm$ 0.015 χ^2 /NDF: 595793.1/22

+ sign 87.260 $\pm$ 0.011 χ^2 /NDF: 1690924.1/51

All: 87.806 $\pm$ 0.007 χ^2 /NDF: 3814157.2/107

- sign 88.350 $\pm$ 0.011 χ^2 /NDF: 2117884.1/55

asym_sam_26_48_dd_cor_correction_mean vs Slug



Right In: 317.999 ± 161.117 χ^2/NDF : 22.1/26

Left Out: 416.416 ± 112.336 χ^2/NDF : 32.4/24

Right Out: 537.729 ± 151.540 χ^2/NDF : 39.4/32

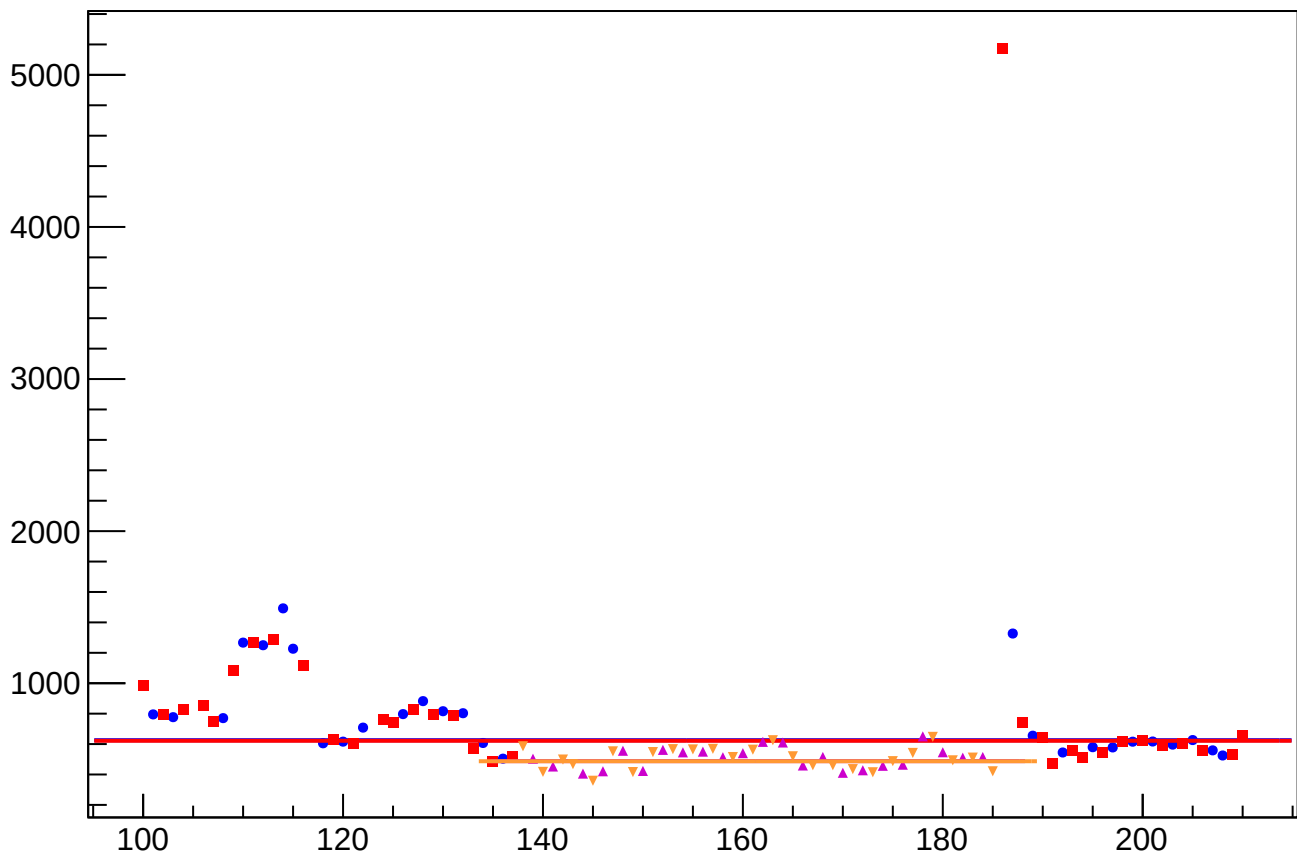
Left In: 66.674 ± 115.419 χ^2/NDF : 27.5/22

+ sign 384.223 ± 92.149 χ^2/NDF : 54.8/51

All: 311.658 ± 65.042 χ^2/NDF : 129.0/107

- sign 239.611 ± 91.820 χ^2/NDF : 73.0/55

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 625.482 $\pm$ 0.114 χ^2 /NDF: 1321486.8/26

Left Out: 487.081 $\pm$ 0.079 χ^2 /NDF: 821261.6/24

Right Out: 621.705 $\pm$ 0.107 χ^2 /NDF: 2190203.7/32

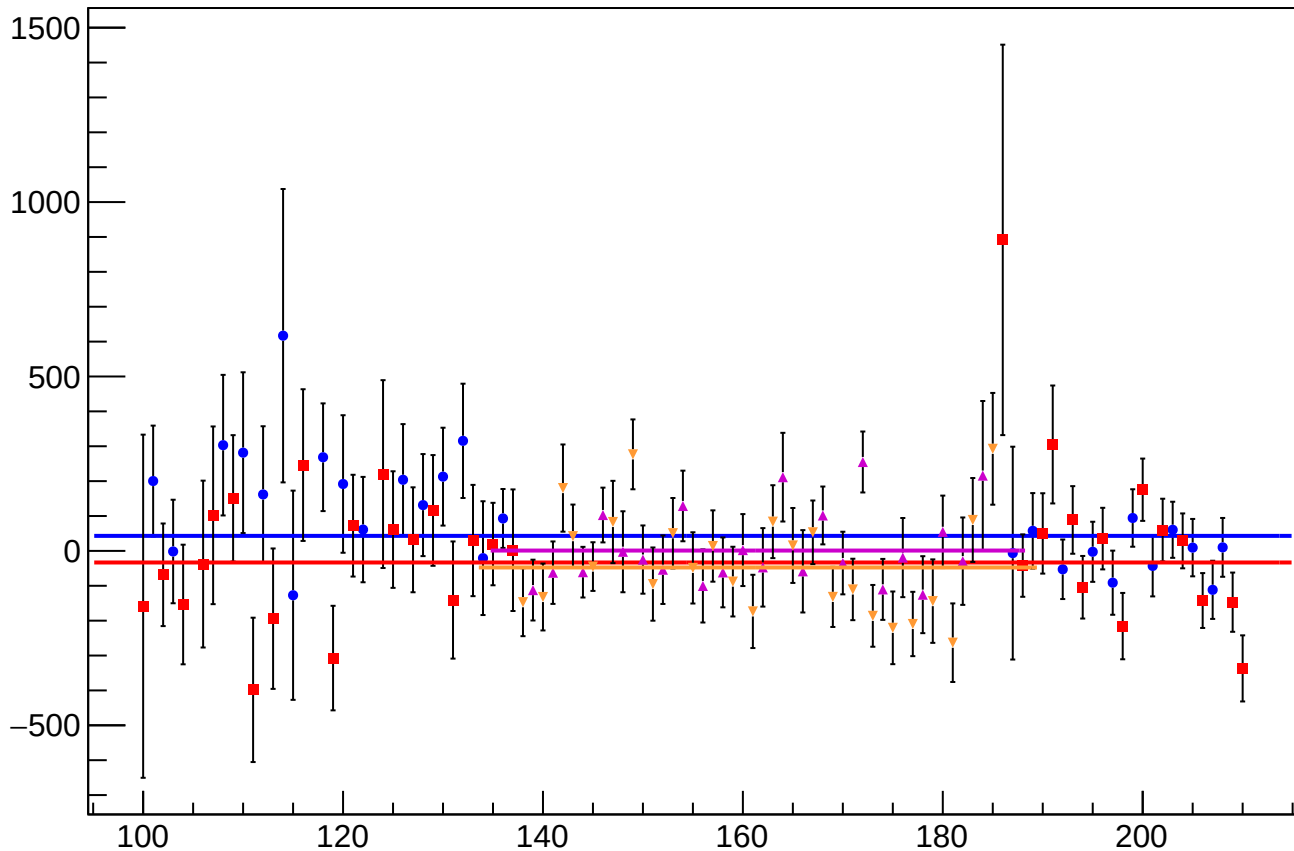
Left In: 487.930 $\pm$ 0.082 χ^2 /NDF: 634273.3/22

+ sign 532.354 $\pm$ 0.065 χ^2 /NDF: 3135793.1/51

All: 534.706 $\pm$ 0.046 χ^2 /NDF: 6949228.7/107

- sign 537.042 $\pm$ 0.065 χ^2 /NDF: 3810837.5/55

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 43.073 ± 22.434 χ^2/NDF : 24.1/26

Left Out: -47.532 ± 19.983 χ^2/NDF : 44.0/24

Right Out: -33.228 ± 21.557 χ^2/NDF : 49.2/32

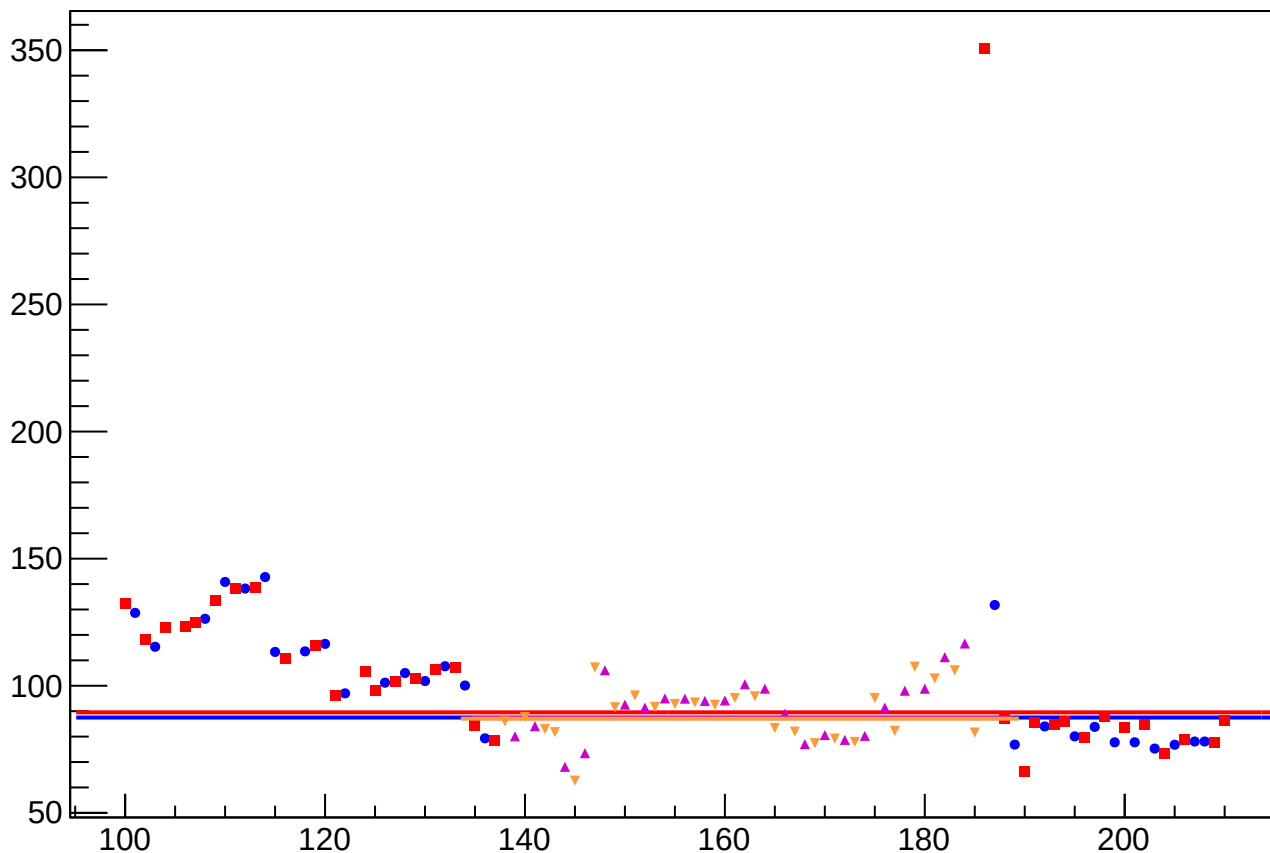
Left In: 0.988 ± 20.604 χ^2/NDF : 25.5/22

+ sign -7.447 ± 14.922 χ^2/NDF : 77.1/51

All: -11.404 ± 10.542 χ^2/NDF : 153.2/107

- sign -15.347 ± 14.895 χ^2/NDF : 76.0/55

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 87.497 $\pm$ 0.016 χ^2 /NDF: 1069896.1/26

Left Out: 87.072 $\pm$ 0.014 χ^2 /NDF: 620626.5/24

Right Out: 89.548 $\pm$ 0.015 χ^2 /NDF: 1510283.6/32

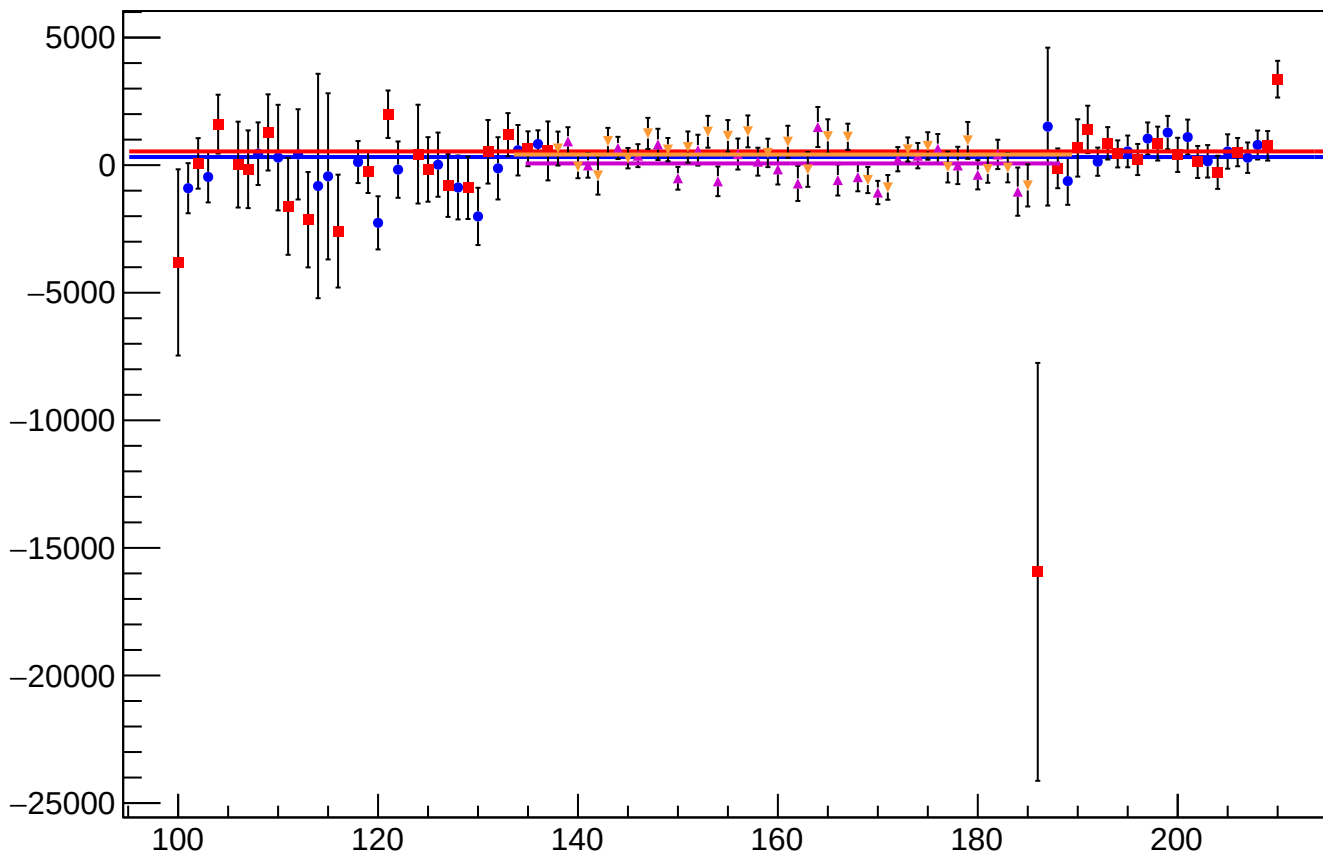
Left In: 87.257 $\pm$ 0.015 χ^2 /NDF: 595793.1/22

+ sign 87.260 $\pm$ 0.011 χ^2 /NDF: 1690924.1/51

All: 87.806 $\pm$ 0.007 χ^2 /NDF: 3814157.2/107

- sign 88.350 $\pm$ 0.011 χ^2 /NDF: 2117884.1/55

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug



Right In: 317.999 ± 161.117 χ^2/NDF : 22.1/26

Left Out: 416.416 ± 112.336 χ^2/NDF : 32.4/24

Right Out: 537.729 ± 151.540 χ^2/NDF : 39.4/32

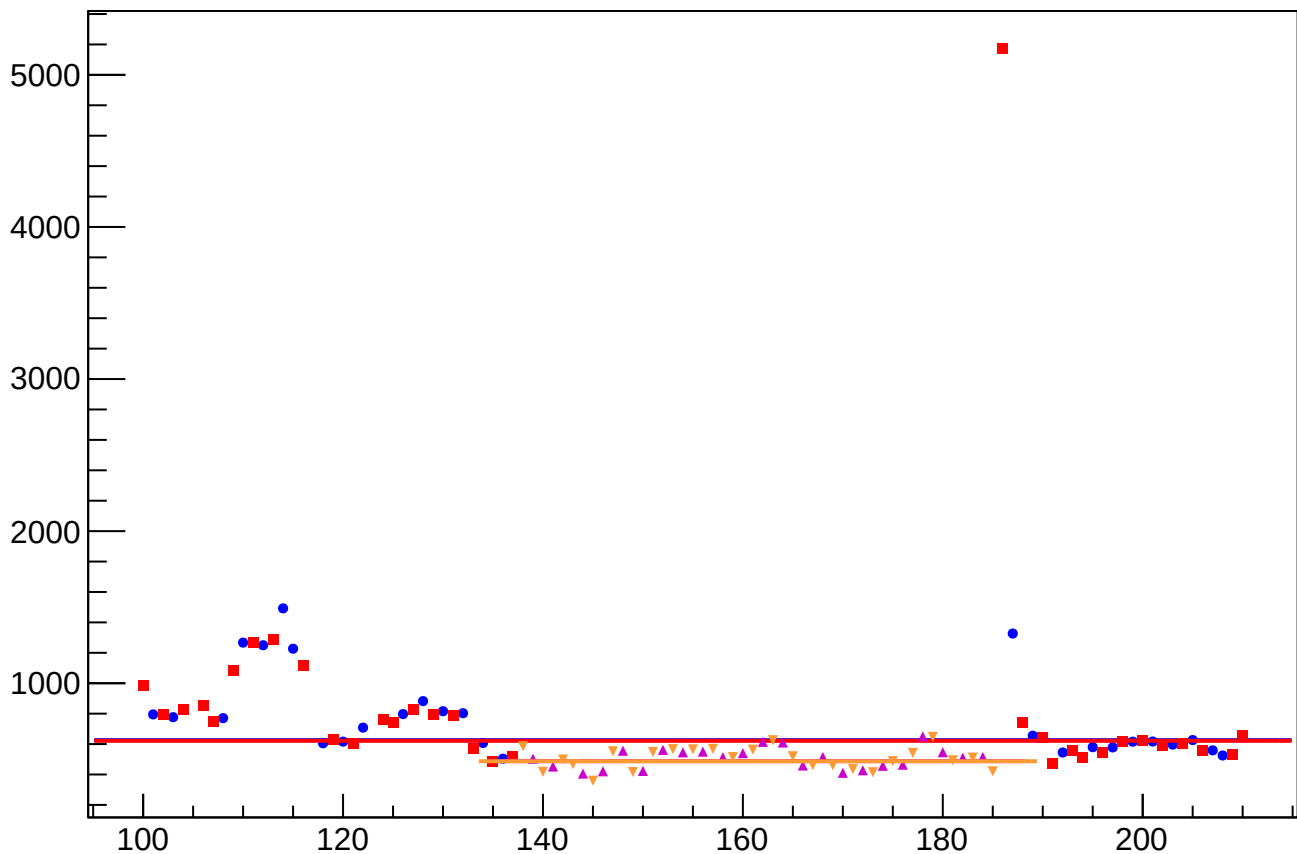
Left In: 66.674 ± 115.419 χ^2/NDF : 27.5/22

+ sign 384.223 ± 92.149 χ^2/NDF : 54.8/51

All: 311.658 ± 65.042 χ^2/NDF : 129.0/107

- sign 239.611 ± 91.820 χ^2/NDF : 73.0/55

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug



Right In: 625.482 $\pm$ 0.114 χ^2 /NDF: 1321486.8/26

Left Out: 487.081 $\pm$ 0.079 χ^2 /NDF: 821261.6/24

Right Out: 621.705 $\pm$ 0.107 χ^2 /NDF: 2190203.7/32

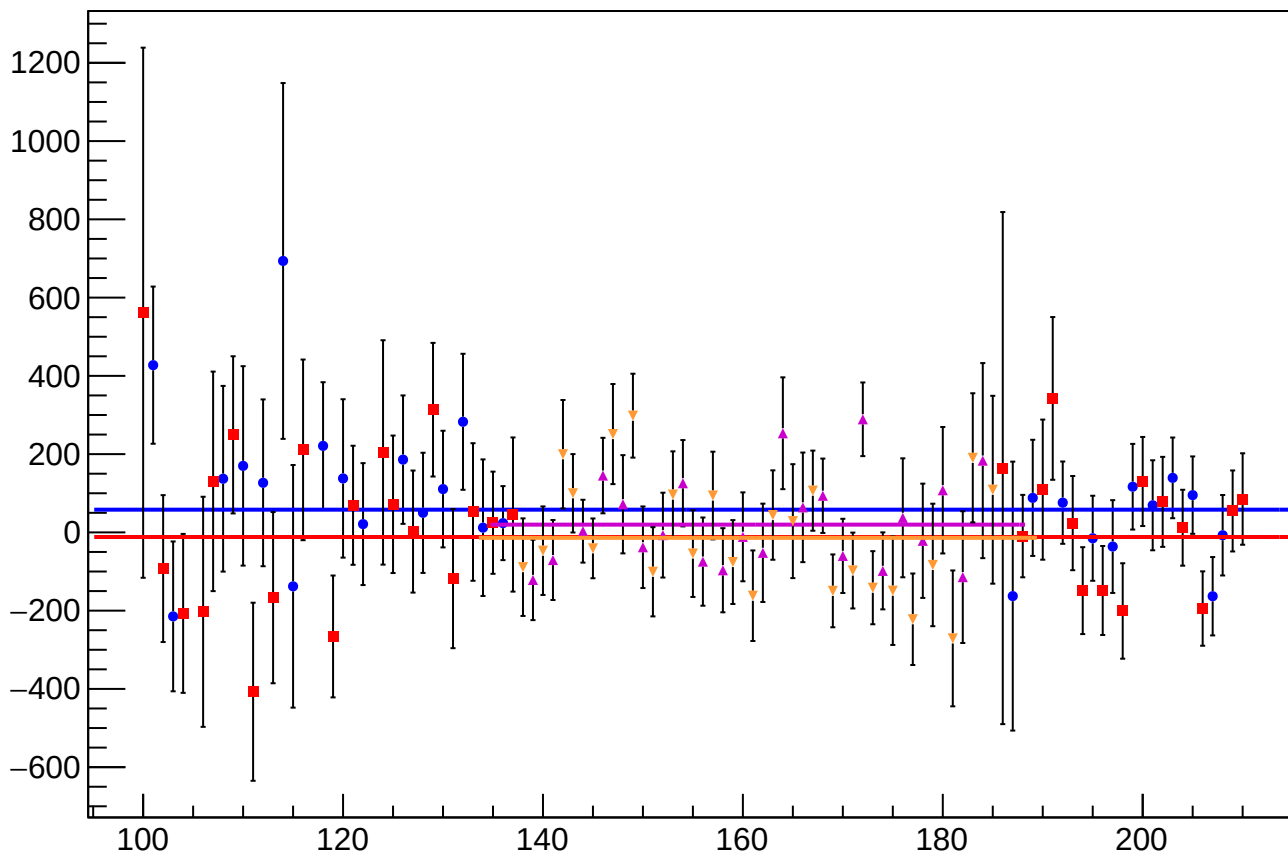
Left In: 487.930 $\pm$ 0.082 χ^2 /NDF: 634273.3/22

+ sign 532.354 $\pm$ 0.065 χ^2 /NDF: 3135793.1/51

All: 534.706 $\pm$ 0.046 χ^2 /NDF: 6949228.7/107

- sign 537.042 $\pm$ 0.065 χ^2 /NDF: 3810837.5/55

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 58.059 $\pm$ 26.937 χ^2 /NDF: 19.9/26

Left Out: -13.904 $\pm$ 22.916 χ^2 /NDF:36.4/24

Right Out: -11.790 $\pm$ 25.875 χ^2 /NDF: 32.6/32

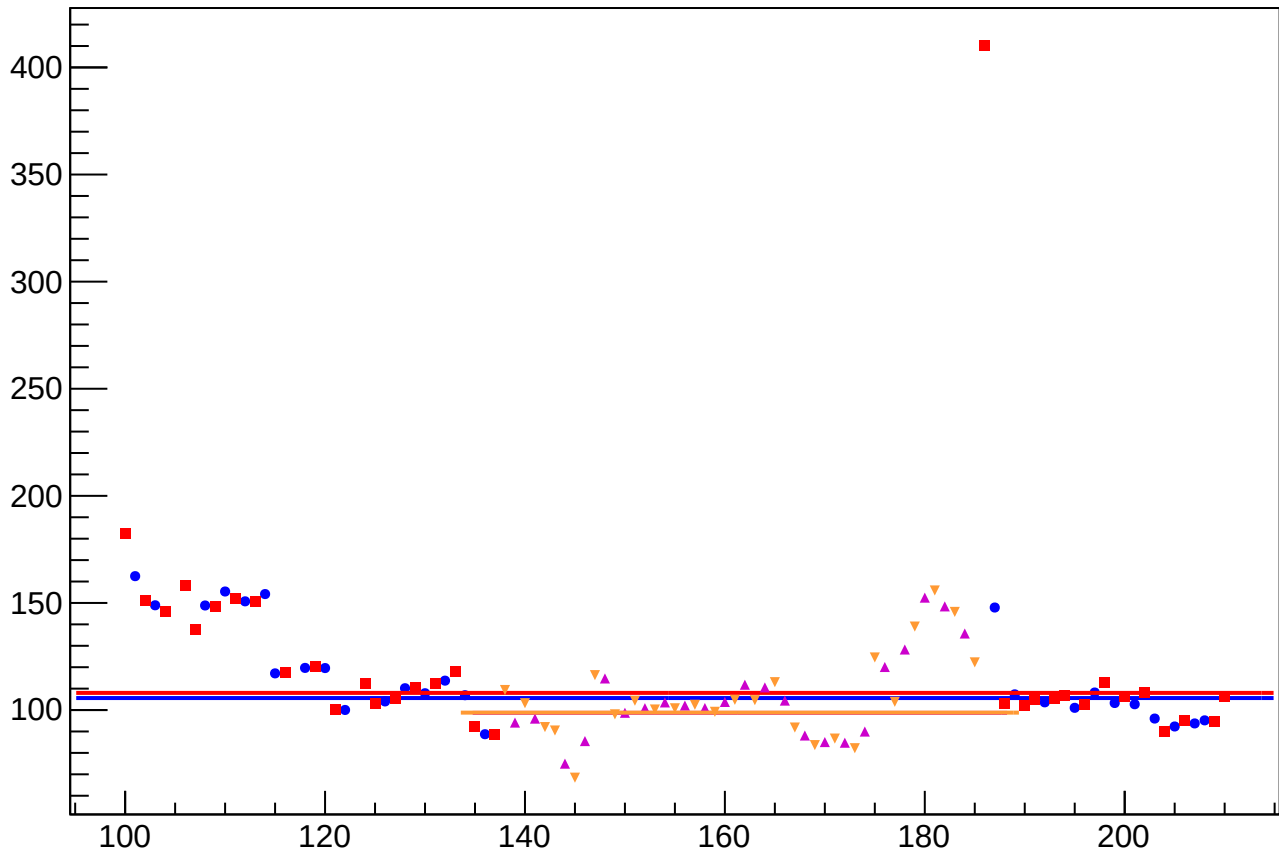
Left In: 19.805 $\pm$ 23.571 χ^2 /NDF:23.3/22

+ sign 16.311 $\pm$ 17.455 χ^2 /NDF: 60.4/51

All: 10.884 $\pm$ 12.332 χ^2 /NDF: 117.3/107

- sign 5.477 $\pm$ 17.425 χ^2 /NDF: 56.7/55

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 105.602 $\pm$ 0.019 χ^2 /NDF: 758185.2/26

Left Out: 98.799 $\pm$ 0.016 χ^2 /NDF:1185806.0/24

Right Out: 108.009 $\pm$ 0.018 χ^2 /NDF: 1174571.6/32

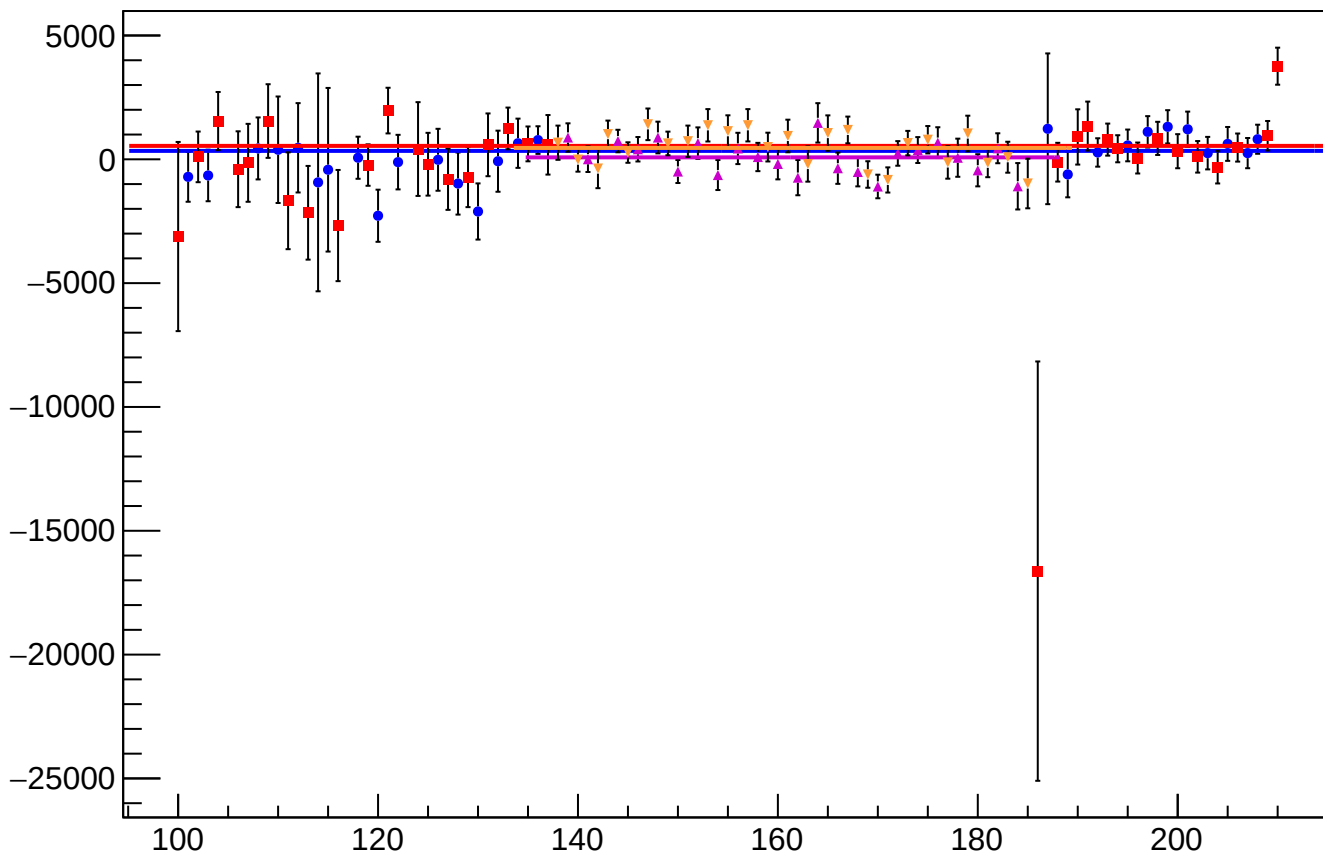
Left In: 98.673 $\pm$ 0.017 χ^2 /NDF:987817.0/22

+ sign 101.655 $\pm$ 0.012 χ^2 /NDF: 2018002.0/51

All: 102.282 $\pm$ 0.009 χ^2 /NDF: 4327849.2/107

- sign 102.907 $\pm$ 0.012 χ^2 /NDF: 2304694.8/55

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 340.252 ± 164.991 χ^2/NDF : 22.5/26

Left Out: 459.094 ± 118.111 χ^2/NDF : 30.8/24

Right Out: 542.344 ± 154.370 χ^2/NDF : 42.7/32

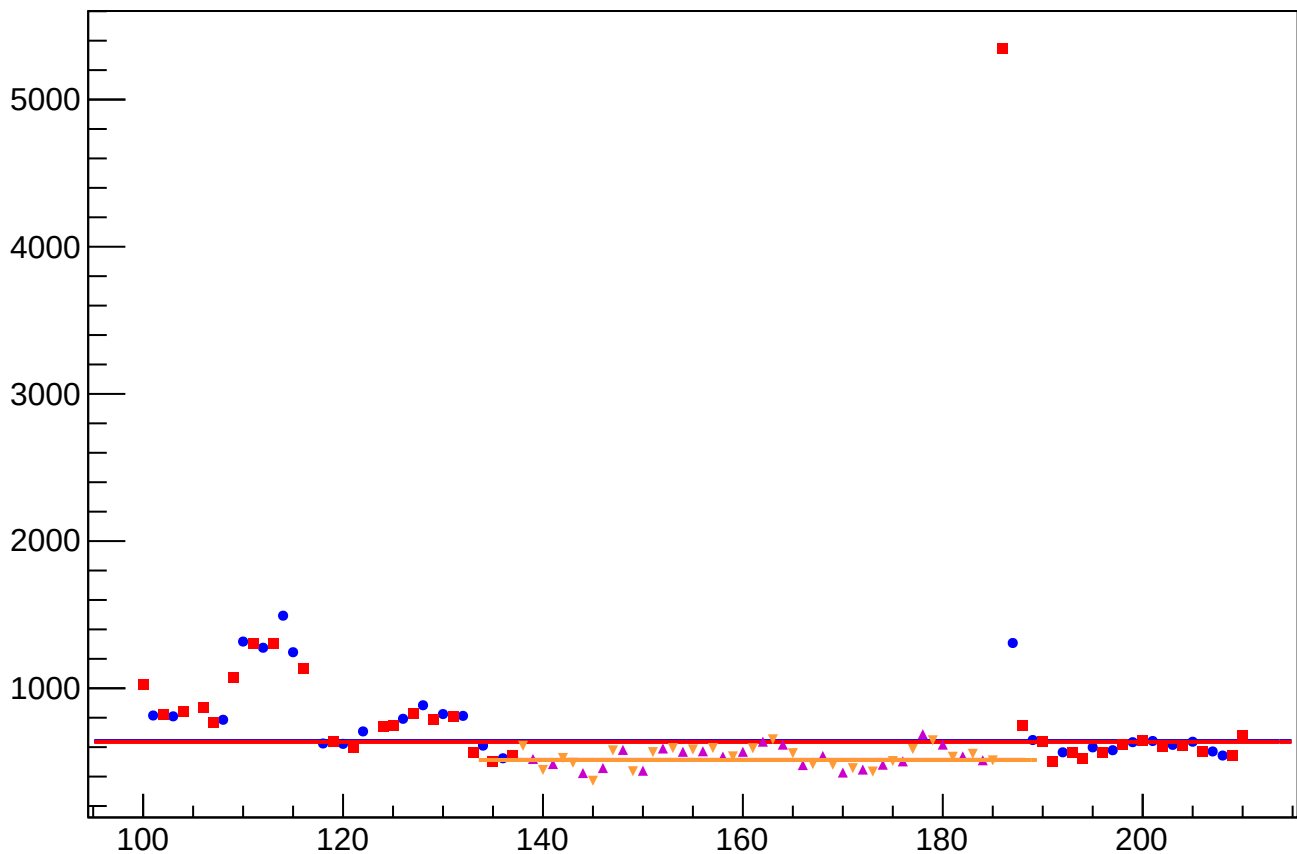
Left In: 78.791 ± 121.436 χ^2/NDF : 26.2/22

+ sign 418.827 ± 96.039 χ^2/NDF : 53.6/51

All: 336.904 ± 67.699 χ^2/NDF : 129.5/107

- sign 255.994 ± 95.444 χ^2/NDF : 74.5/55

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 641.338 $\pm$ 0.117 χ^2 /NDF: 1265128.9/26

Left Out: 512.768 $\pm$ 0.084 χ^2 /NDF: 799239.4/24

Right Out: 635.299 $\pm$ 0.109 χ^2 /NDF: 2134470.8/32

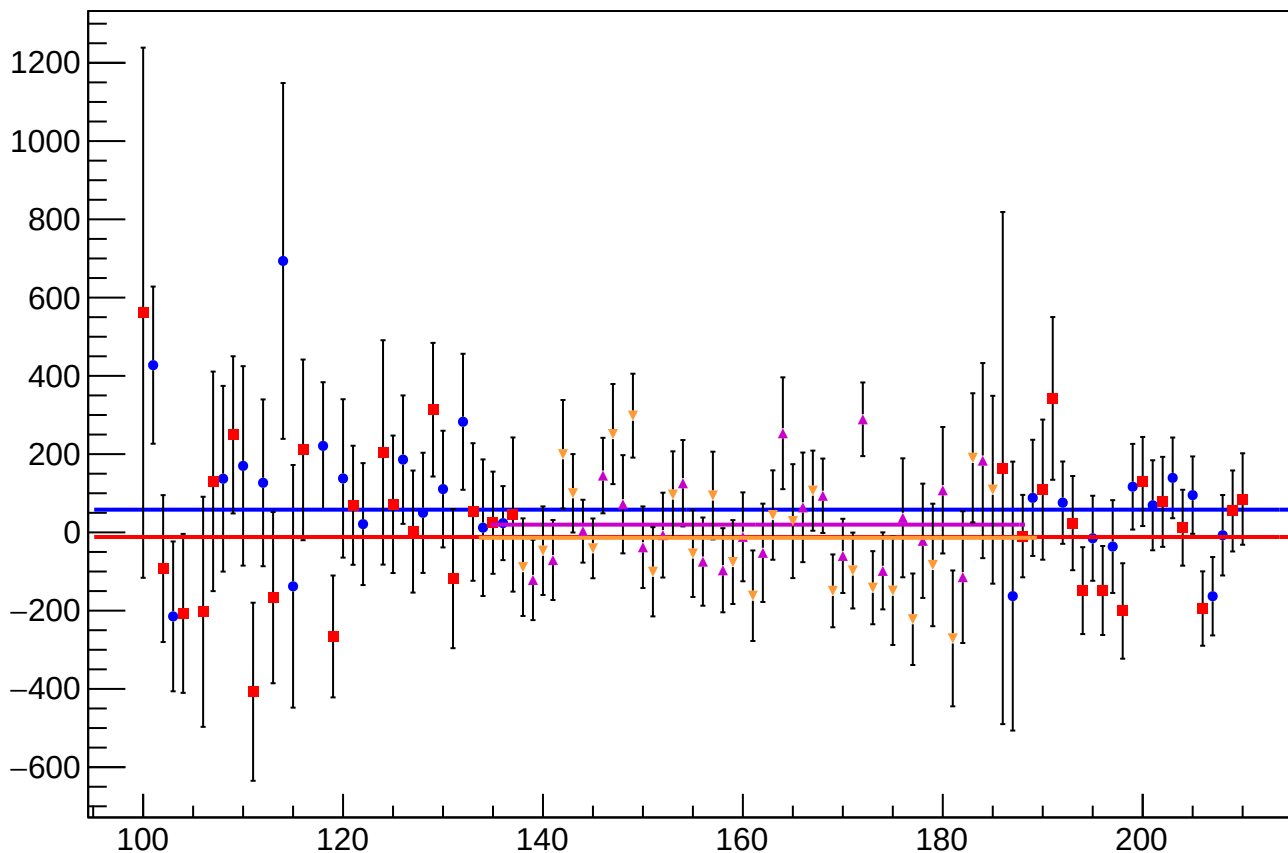
Left In: 513.375 $\pm$ 0.086 χ^2 /NDF: 634000.2/22

+ sign 556.331 $\pm$ 0.068 χ^2 /NDF: 2867343.8/51

All: 558.168 $\pm$ 0.048 χ^2 /NDF: 6407971.6/107

- sign 559.983 $\pm$ 0.067 χ^2 /NDF: 3539173.2/55

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 58.058 $\pm$ 26.937 χ^2 /NDF: 19.9/26

Left Out: -13.906 $\pm$ 22.916 χ^2 /NDF:36.4/24

Right Out: -11.791 $\pm$ 25.875 χ^2 /NDF: 32.6/32

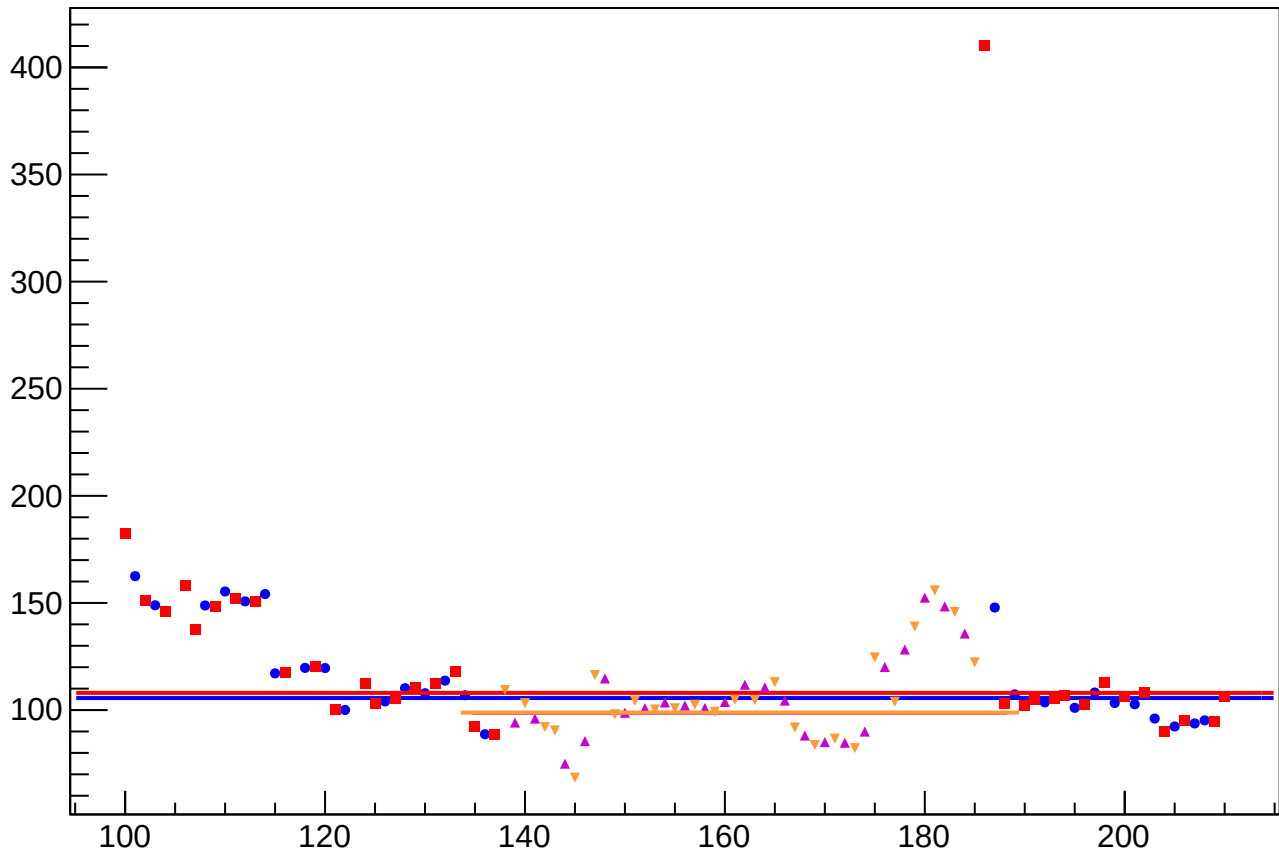
Left In: 19.805 $\pm$ 23.571 χ^2 /NDF:23.3/22

+ sign 16.309 $\pm$ 17.455 χ^2 /NDF: 60.4/51

All: 10.884 $\pm$ 12.332 χ^2 /NDF: 117.3/107

- sign 5.476 $\pm$ 17.425 χ^2 /NDF: 56.7/55

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 105.602 $\pm$ 0.019 χ^2 /NDF: 758175.8/26

Left Out: 98.799 $\pm$ 0.016 χ^2 /NDF:1185809.9/24

Right Out: 108.009 $\pm$ 0.018 χ^2 /NDF: 1174558.8/32

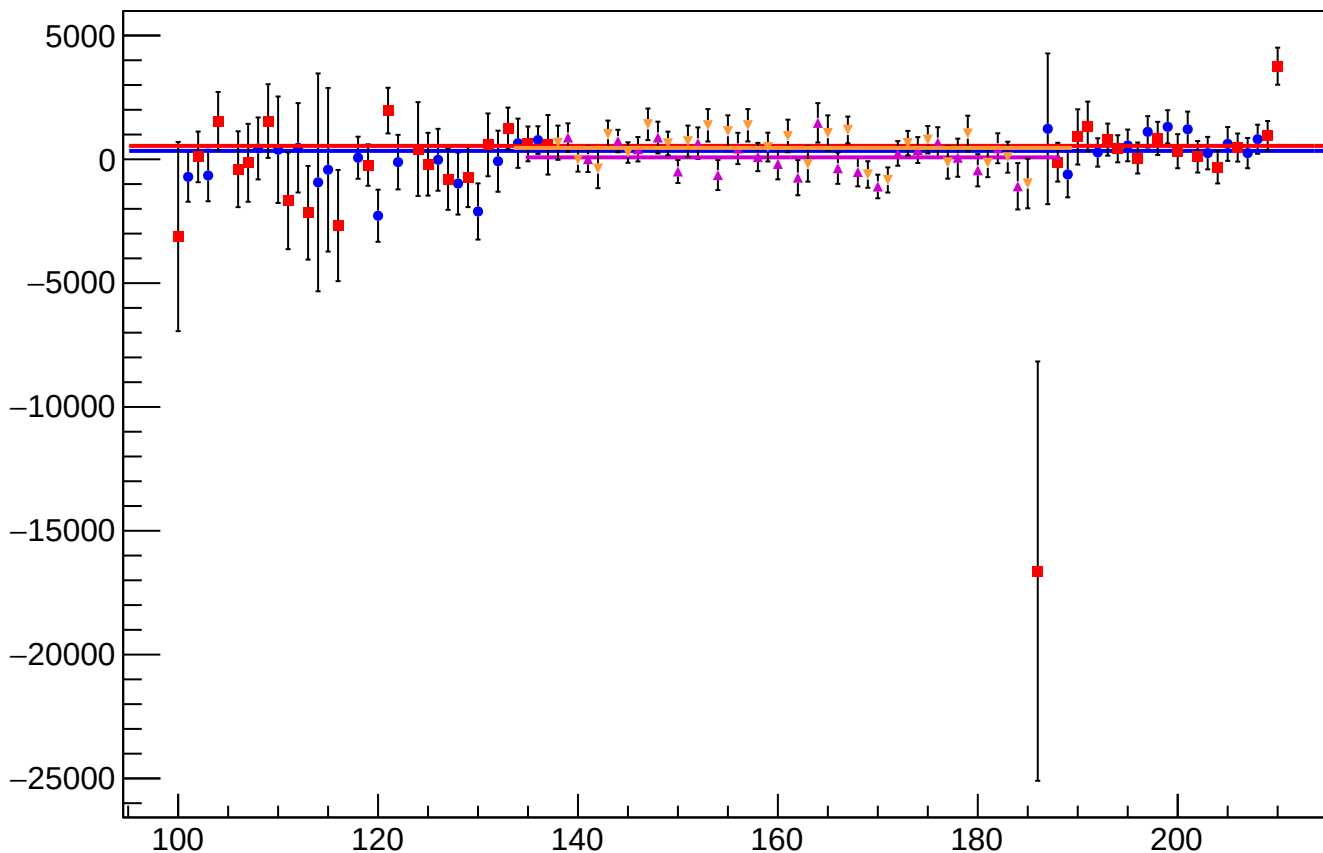
Left In: 98.673 $\pm$ 0.017 χ^2 /NDF:987808.4/22

+ sign 101.655 $\pm$ 0.012 χ^2 /NDF: 2017999.0/51

All: 102.282 $\pm$ 0.009 χ^2 /NDF: 4327827.5/107

- sign 102.907 $\pm$ 0.012 χ^2 /NDF: 2304675.7/55

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug



Right In: 340.251 ± 164.991 χ^2/NDF : 22.5/26

Left Out: 459.092 ± 118.111 χ^2/NDF : 30.8/24

Right Out: 542.342 ± 154.370 χ^2/NDF : 42.7/32

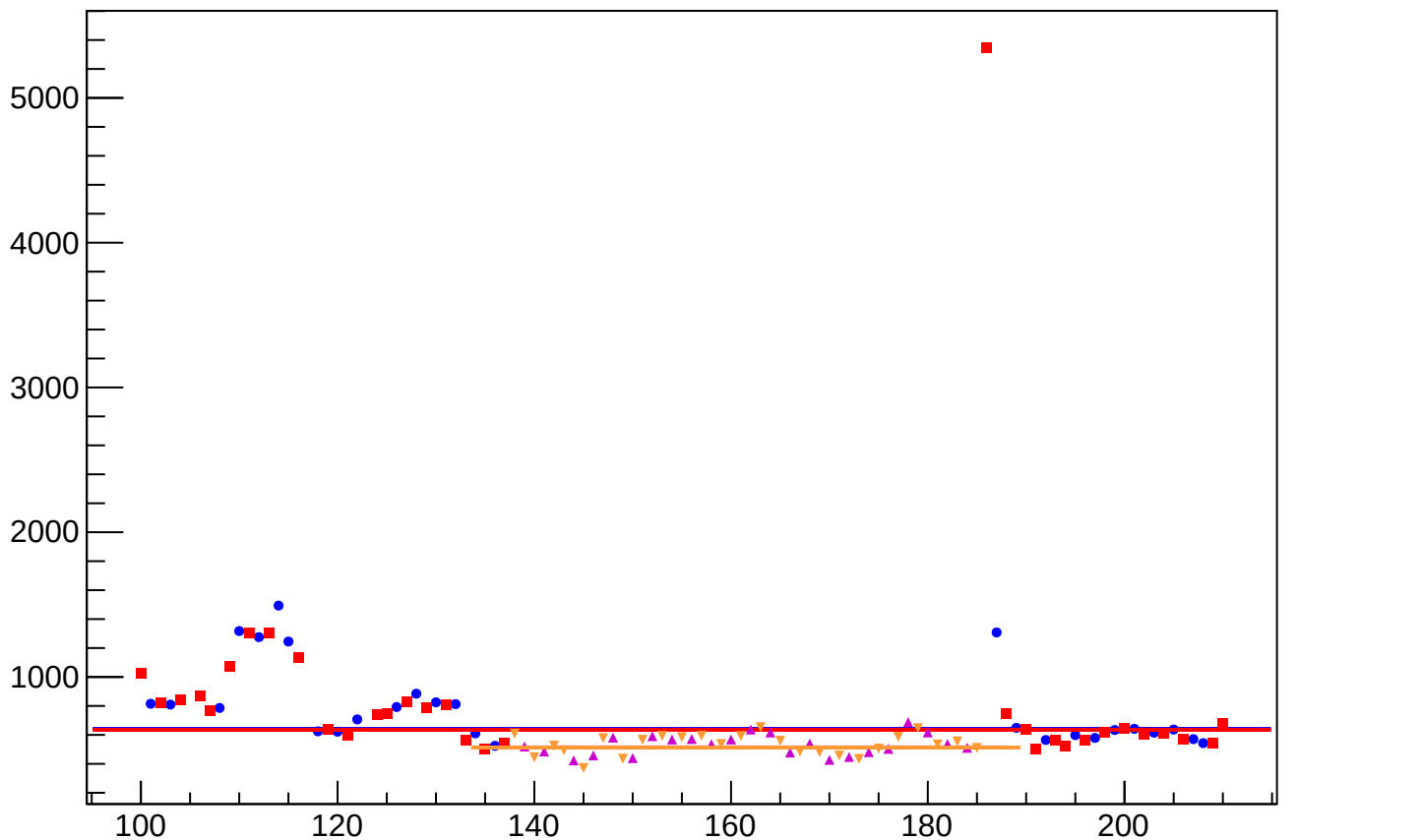
Left In: 78.791 ± 121.436 χ^2/NDF : 26.2/22

+ sign 418.826 ± 96.039 χ^2/NDF : 53.6/51

All: 336.903 ± 67.698 χ^2/NDF : 129.5/107

- sign 255.993 ± 95.444 χ^2/NDF : 74.5/55

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug



Right In: 641.337 $\pm$ 0.117 χ^2 /NDF: 1265125.5/26

Left Out: 512.768 $\pm$ 0.084 χ^2 /NDF: 799239.0/24

+ sign 556.331 $\pm$ 0.068 χ^2 /NDF: 2867334.3/51

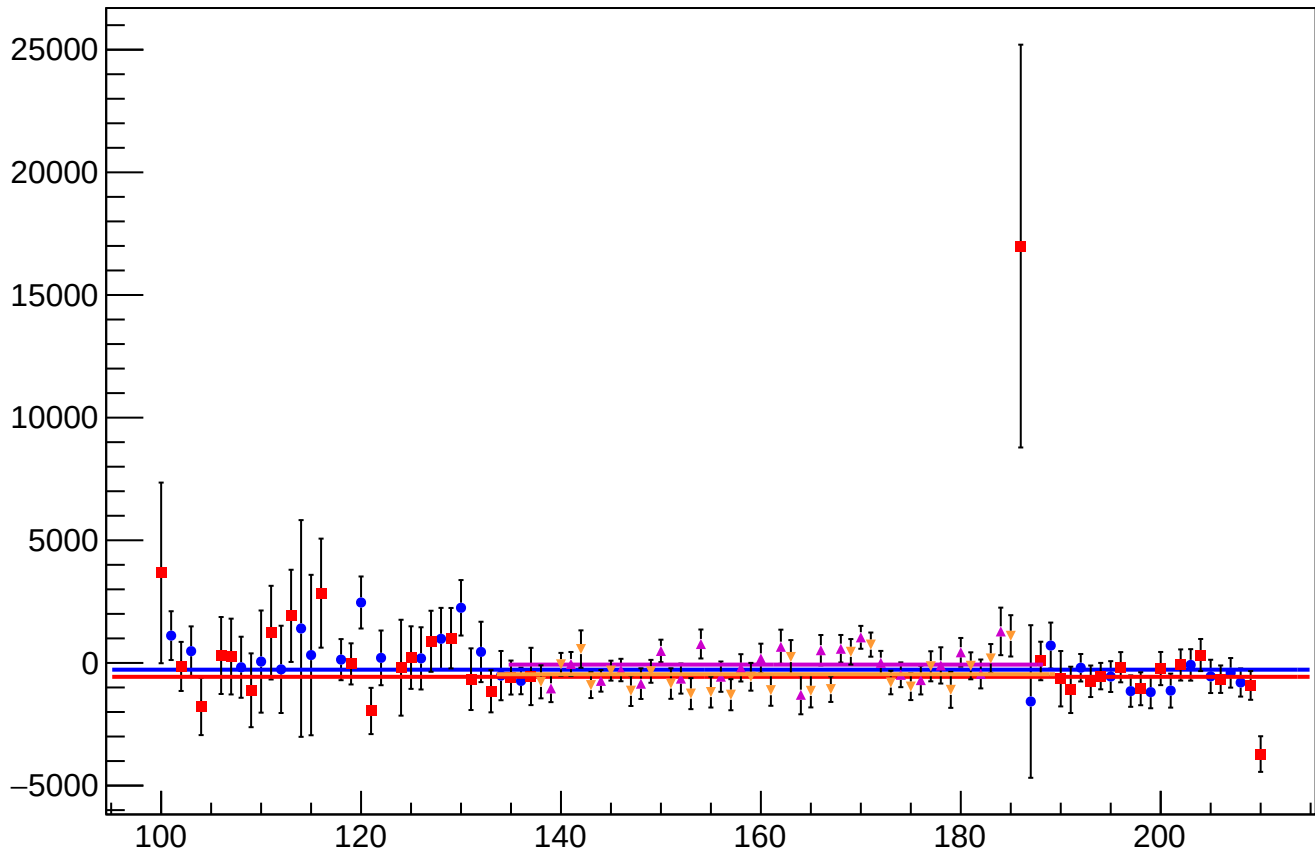
Right Out: 635.298 $\pm$ 0.109 χ^2 /NDF: 2134466.4/32

All: 558.168 $\pm$ 0.048 χ^2 /NDF: 6407944.9/107

Left In: 513.374 $\pm$ 0.086 χ^2 /NDF: 633997.9/22

- sign 559.982 $\pm$ 0.067 χ^2 /NDF: 3539156.0/55

asym_sam_26_48_dd_mean vs Slug



Right In: -274.831 ± 162.843 χ^2/NDF : 25.0/26

Left Out: -459.862 ± 114.233 χ^2/NDF : 30.8/24

Right Out: -566.234 ± 153.132 χ^2/NDF : 43.2/32

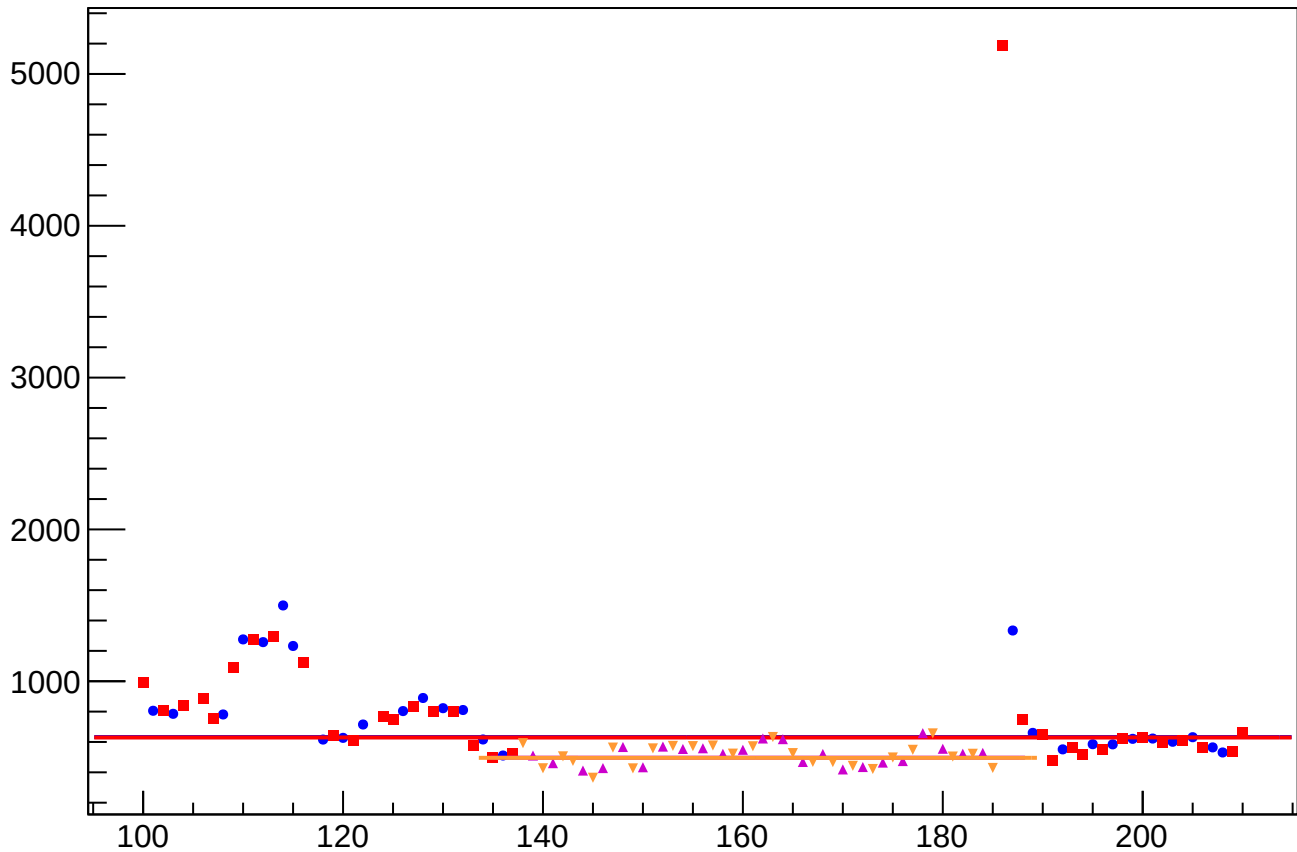
Left In: -68.043 ± 117.366 χ^2/NDF : 28.6/22

+ sign -398.839 ± 93.518 χ^2/NDF : 56.7/51

All: -325.333 ± 65.998 χ^2/NDF : 136.4/107

- sign -252.399 ± 93.153 χ^2/NDF : 78.5/55

asym_sam_26_48_dd_rms vs Slug



Right In: 632.346 ± 0.115 χ^2/NDF : 1310136.3/26

Left Out: 495.514 ± 0.081 χ^2/NDF : 804659.4/24

Right Out: 629.556 ± 0.108 χ^2/NDF : 2185156.7/32

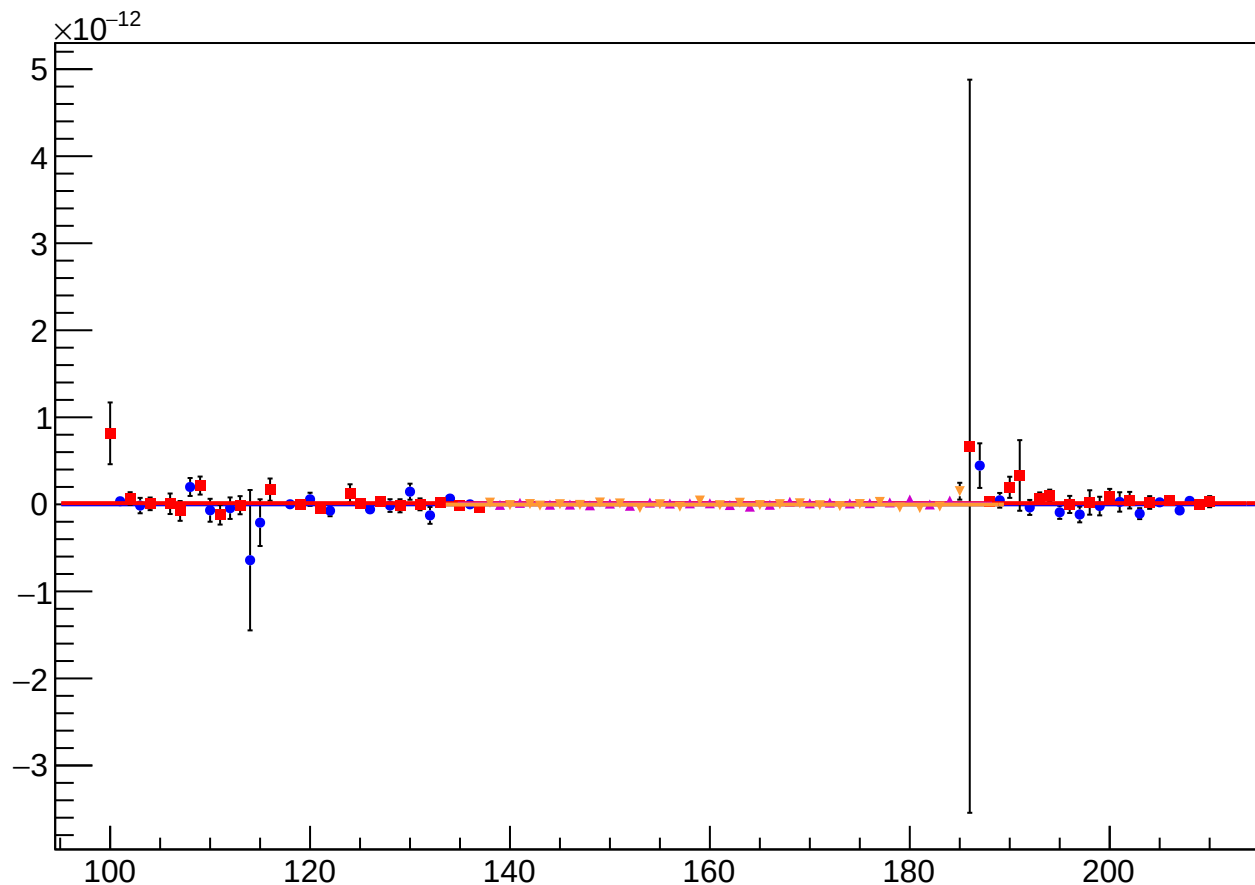
Left In: 496.307 ± 0.083 χ^2/NDF : 622356.2/22

+ sign 540.641 ± 0.066 χ^2/NDF : 3061193.3/51

All: 543.138 ± 0.047 χ^2/NDF : 6825506.9/107

- sign 545.616 ± 0.066 χ^2/NDF : 3761472.5/55

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.7/26

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:25.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.3/32

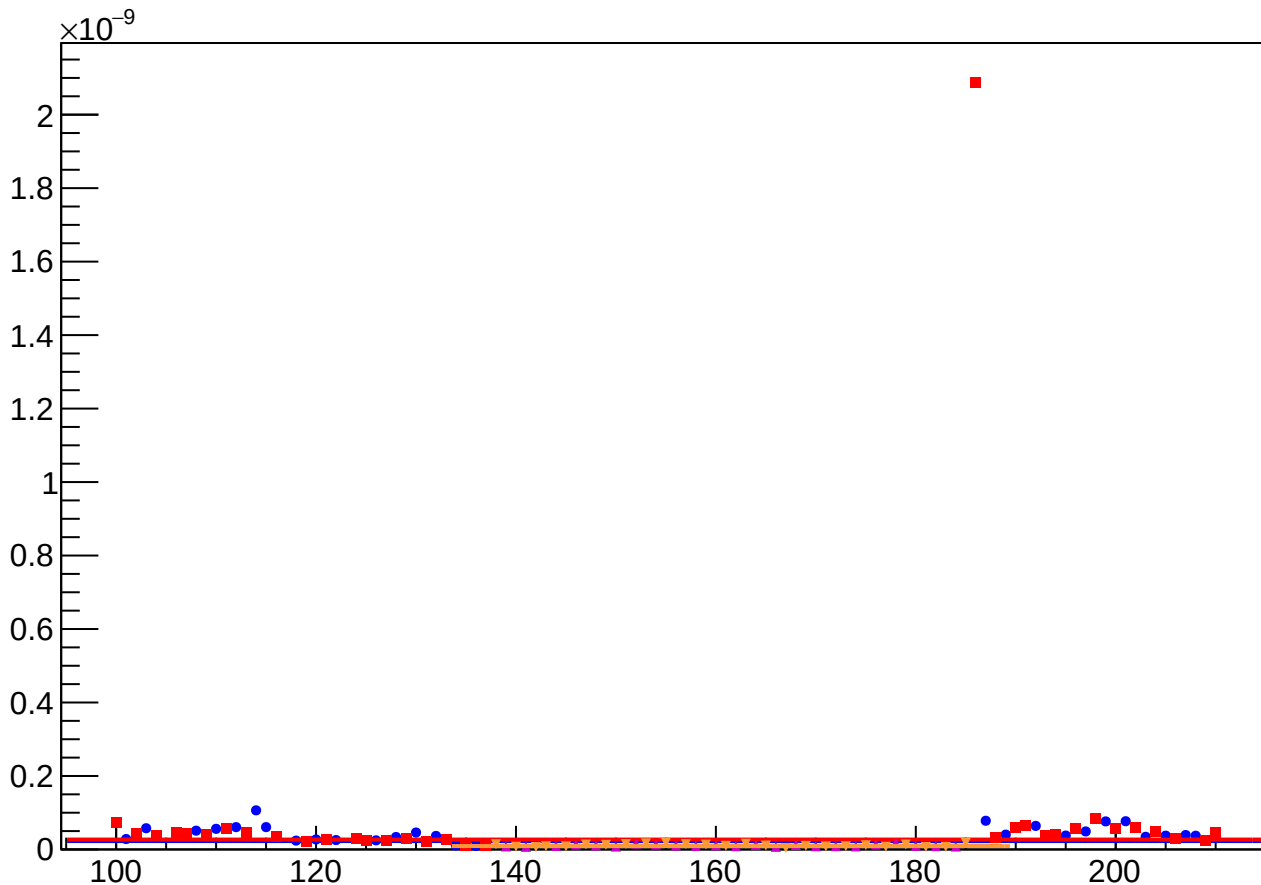
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.9/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 101.7/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.1/55

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5221465.0/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4245391.4/32

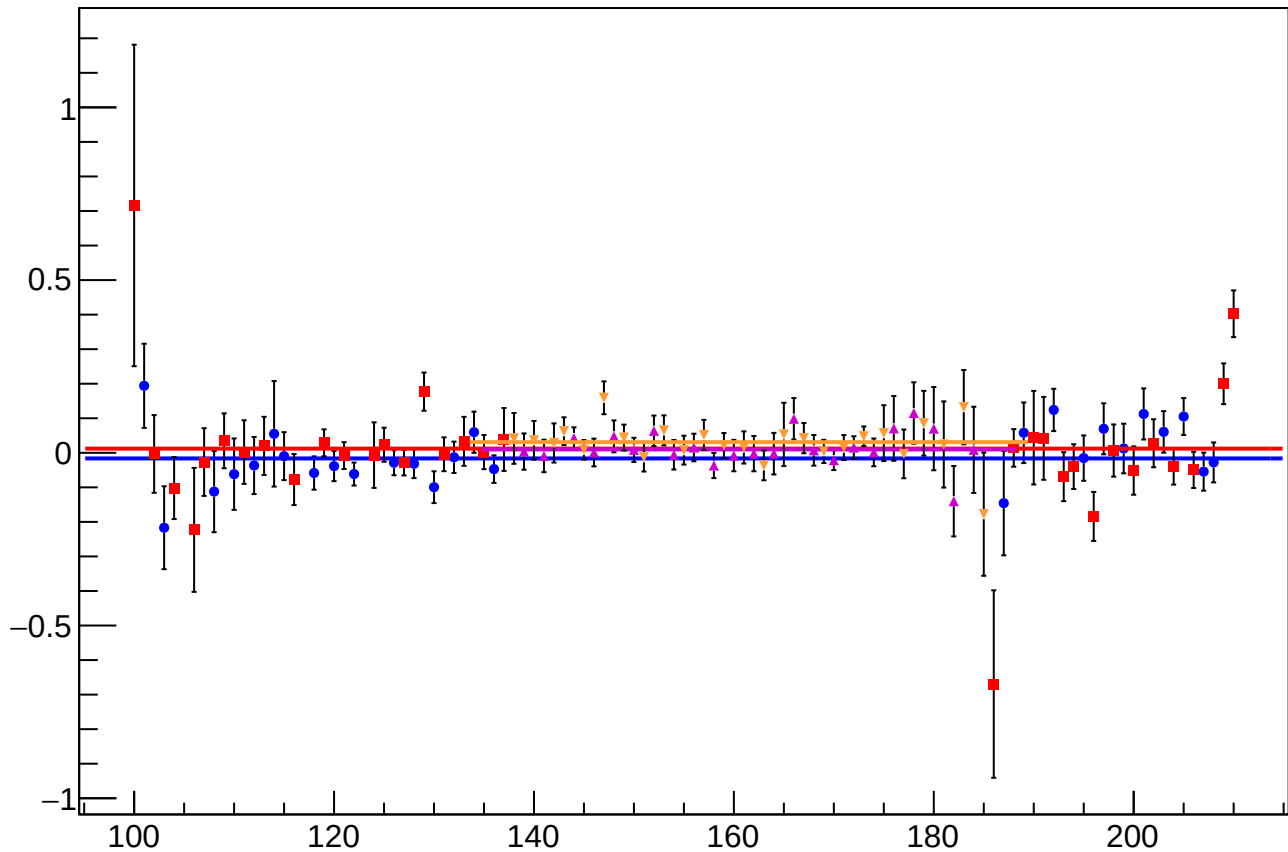
Left In: 0.000+/-0.000 χ^2/NDF : 622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 10219981.0/51

All: 0.000+/-0.000 χ^2/NDF : 19714777.4/107

- sign 0.000+/-0.000 χ^2/NDF : 9413787.2/55

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.011 χ^2/NDF : 34.1/26

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.012 ± 0.011 χ^2/NDF : 81.0/32

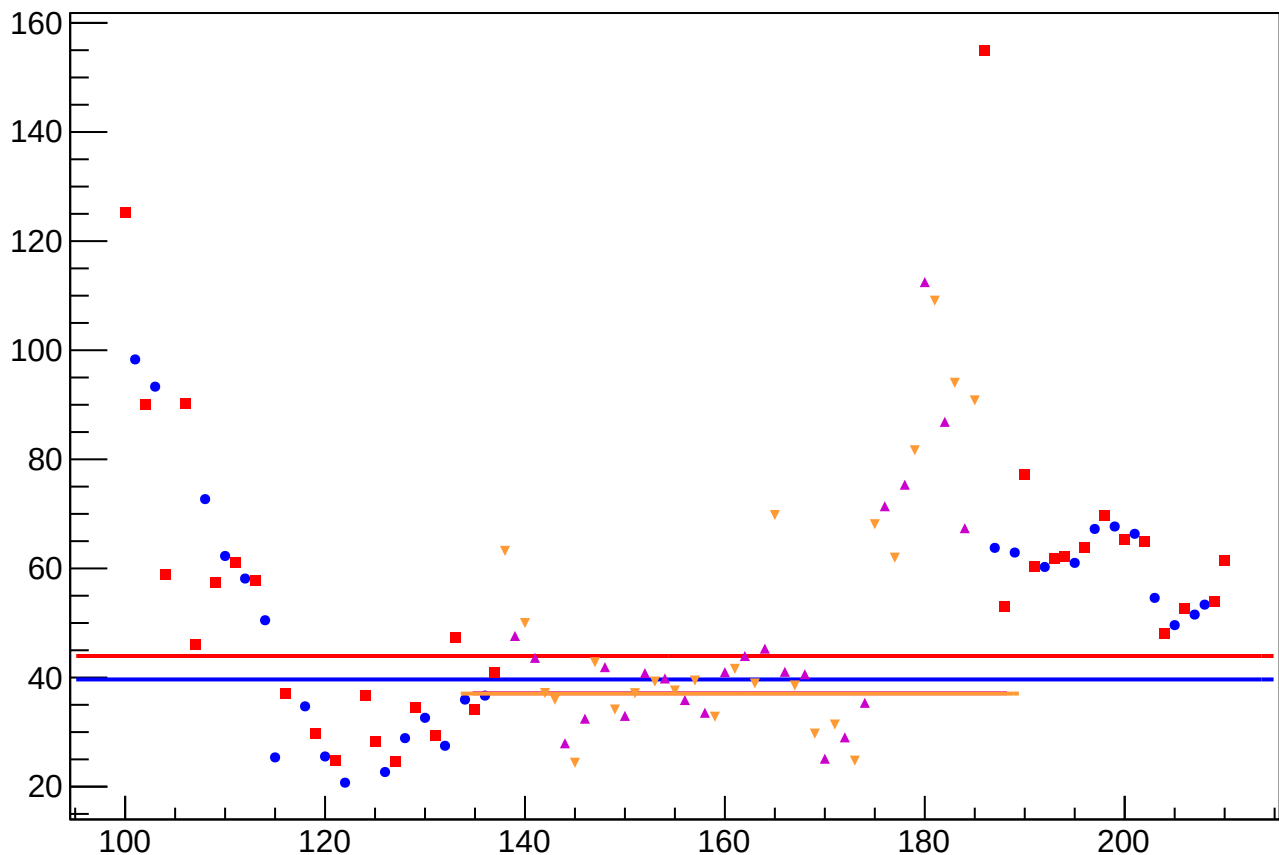
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.012 ± 0.007 χ^2/NDF : 62.8/51

All: 0.011 ± 0.005 χ^2/NDF : 157.1/107

- sign 0.011 ± 0.007 χ^2/NDF : 94.3/55

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 39.650+/-0.008 χ^2 /NDF: 4846062.7/26

Left Out: 37.057+/-0.006 χ^2 /NDF: 4053719.8/24

Right Out: 43.949+/-0.008 χ^2 /NDF: 4465775.6/32

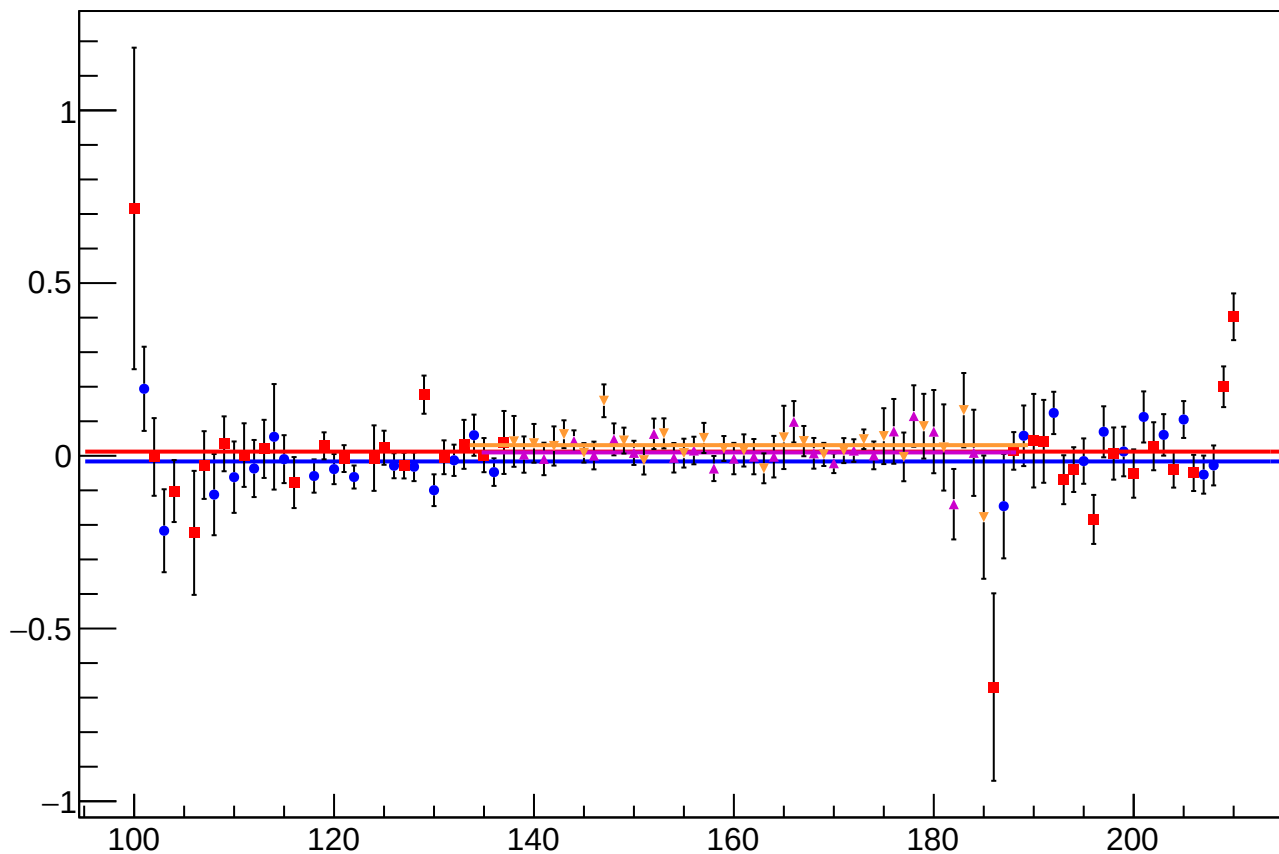
Left In: 37.127+/-0.007 χ^2 /NDF: 3012795.5/22

+ sign 38.114+/-0.005 χ^2 /NDF: 8965574.4/51

All: 38.997+/-0.004 χ^2 /NDF: 16943289.2/107

- sign 39.925+/-0.005 χ^2 /NDF: 7912912.8/55

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.011 χ^2/NDF : 34.1/26

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.012 ± 0.011 χ^2/NDF : 81.0/32

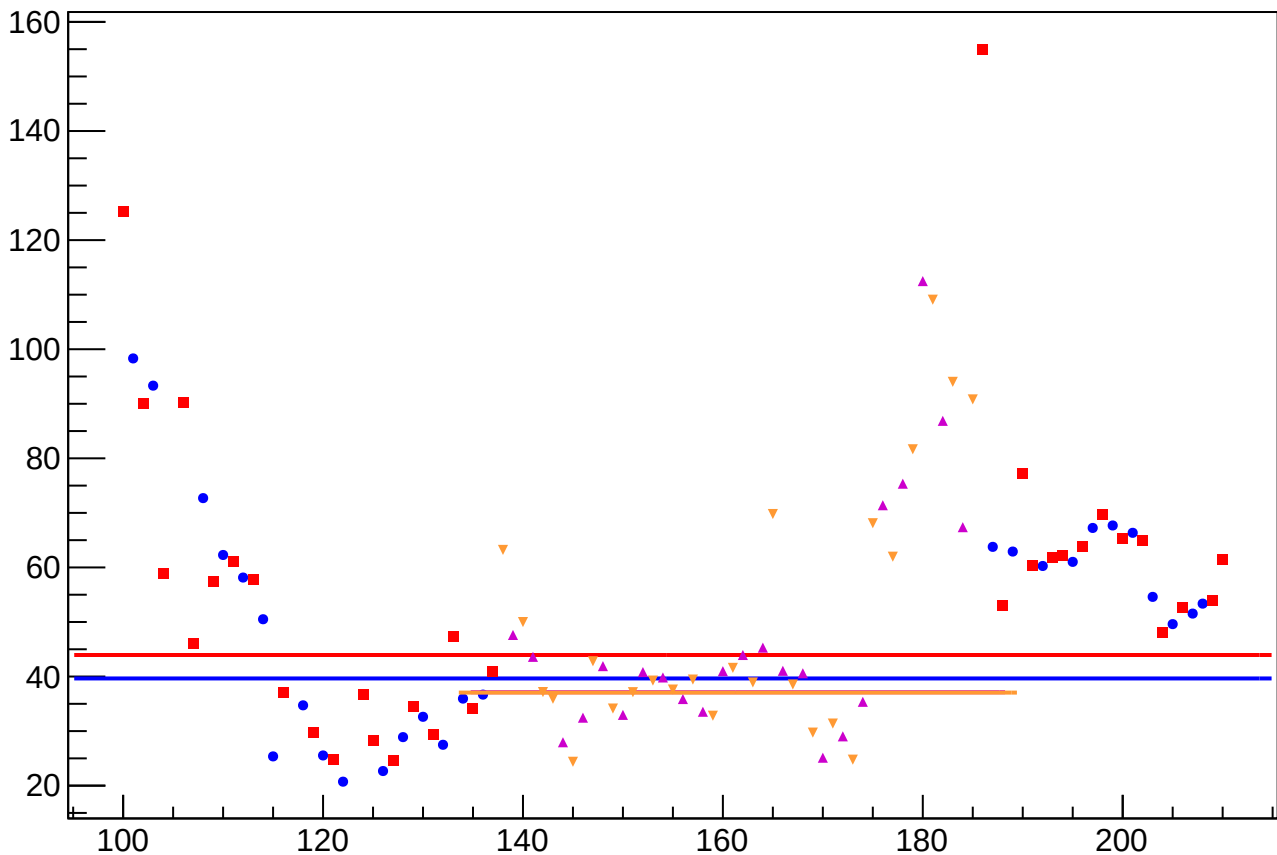
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.012 ± 0.007 χ^2/NDF : 62.8/51

All: 0.011 ± 0.005 χ^2/NDF : 157.1/107

- sign 0.011 ± 0.007 χ^2/NDF : 94.3/55

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.650 $\pm$ 0.008 χ^2 /NDF: 4846062.7/26

Left Out: 37.057 $\pm$ 0.006 χ^2 /NDF: 4053719.8/24

Right Out: 43.949 $\pm$ 0.008 χ^2 /NDF: 4465775.6/32

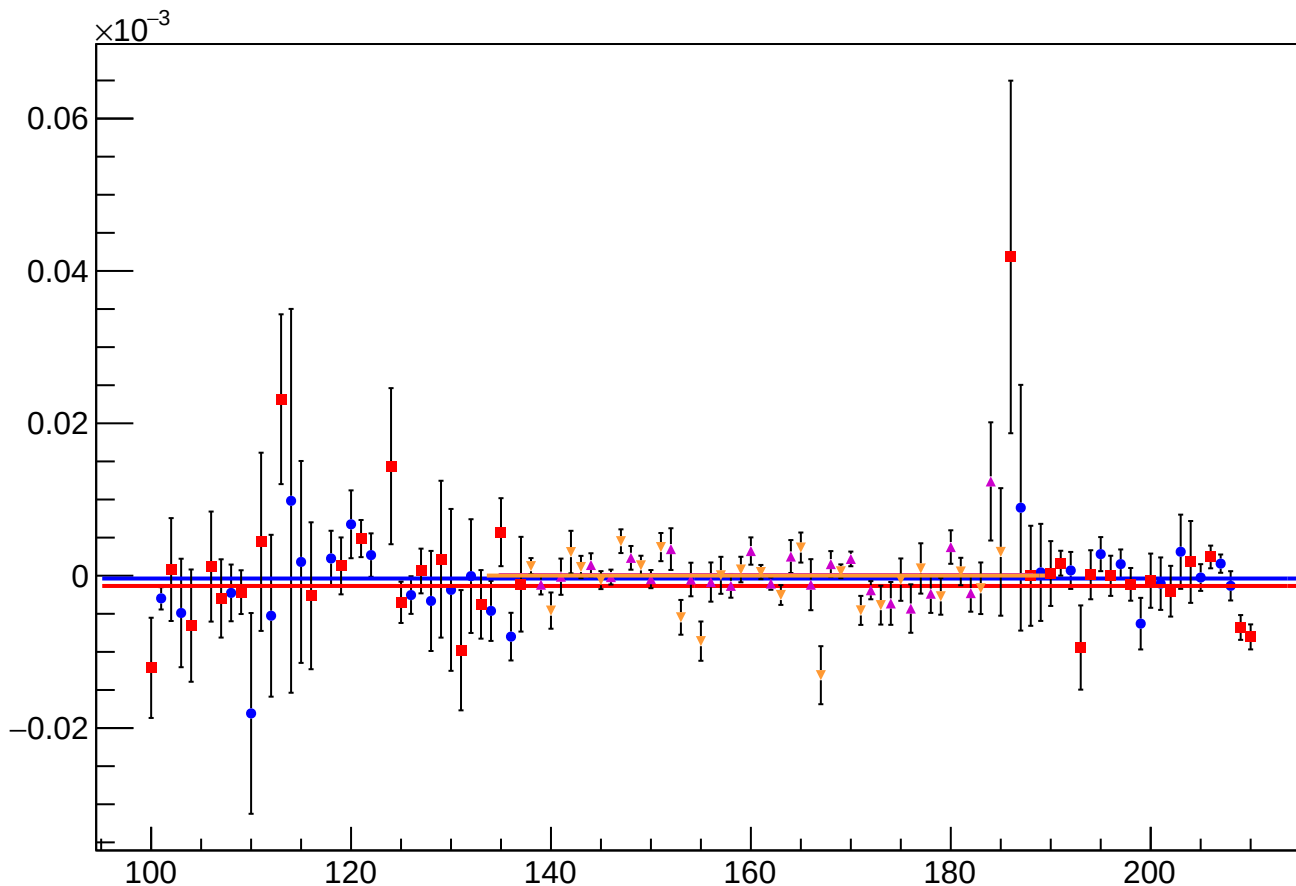
Left In: 37.127 $\pm$ 0.007 χ^2 /NDF: 3012795.5/22

+ sign 38.114 $\pm$ 0.005 χ^2 /NDF: 8965574.4/51

All: 38.997 $\pm$ 0.004 χ^2 /NDF: 16943289.2/107

- sign 39.925 $\pm$ 0.005 χ^2 /NDF: 7912912.8/55

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 28.5/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 67.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 67.6/32

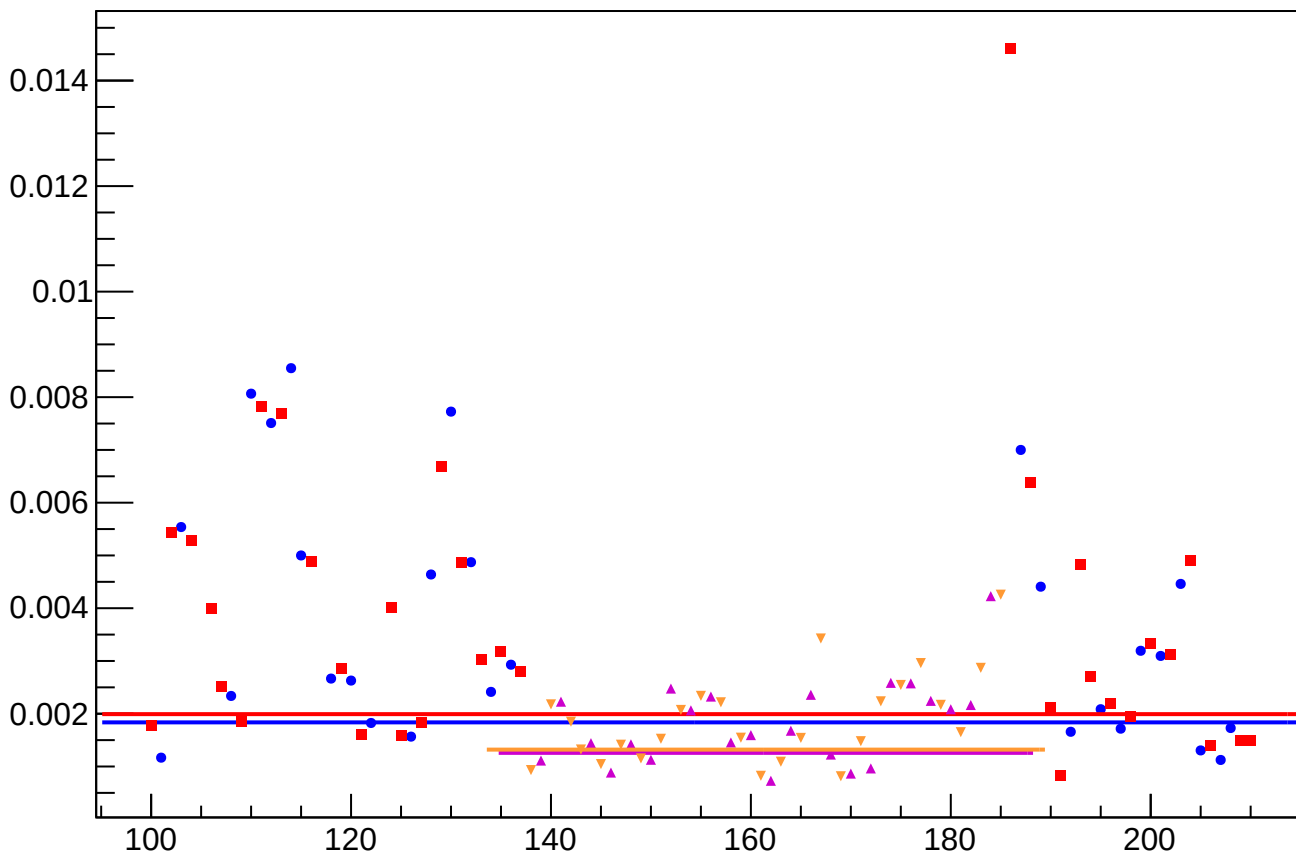
Left In: 0.000 ± 0.000 χ^2/NDF : 32.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 96.4/51

All: -0.000 ± 0.000 χ^2/NDF : 201.4/107

- sign -0.000 ± 0.000 χ^2/NDF : 104.8/55

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 6693675.4/26

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 5632532.9/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 8500607.3/32

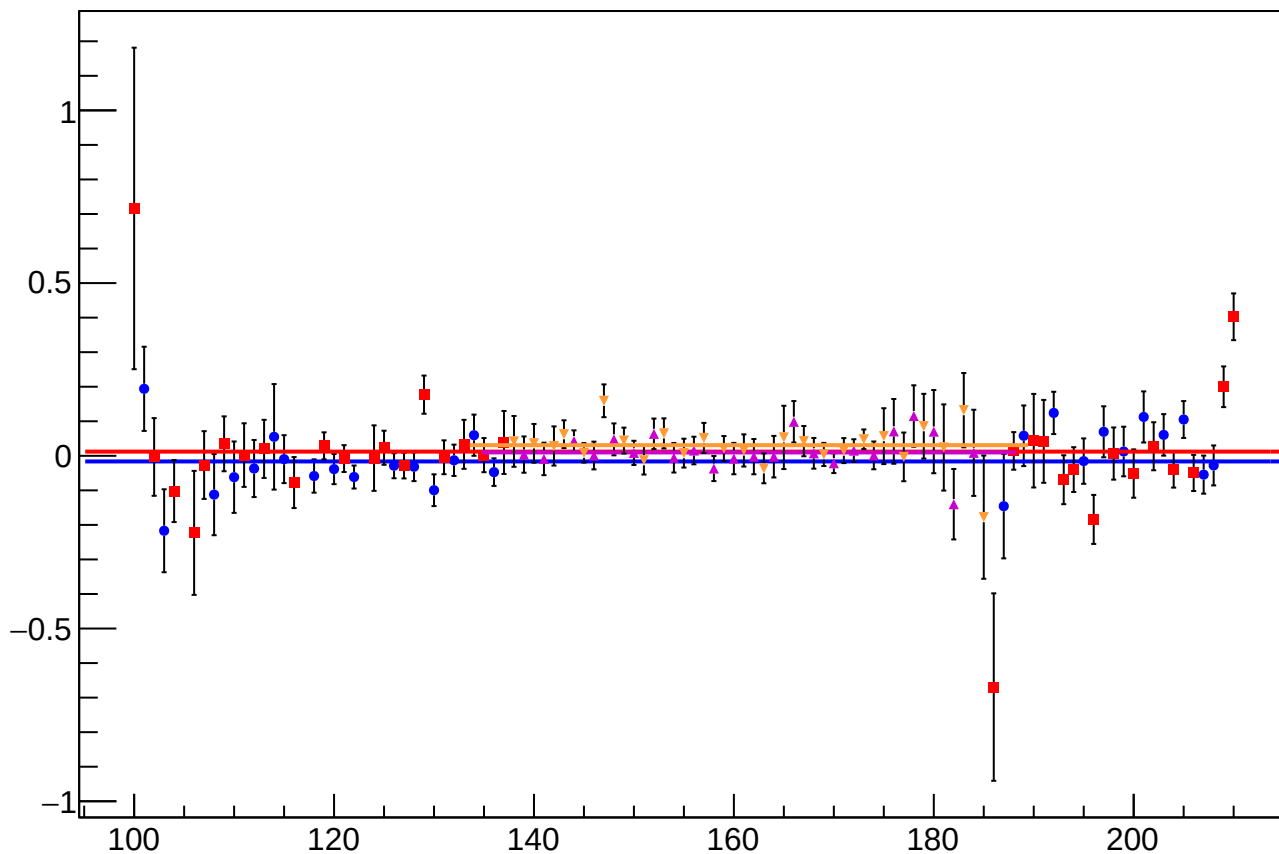
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 5369001.1/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 13640392.2/51

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 30117108.0/107

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 16475416.3/55

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.011 χ^2/NDF : 34.1/26

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.012 ± 0.011 χ^2/NDF : 81.0/32

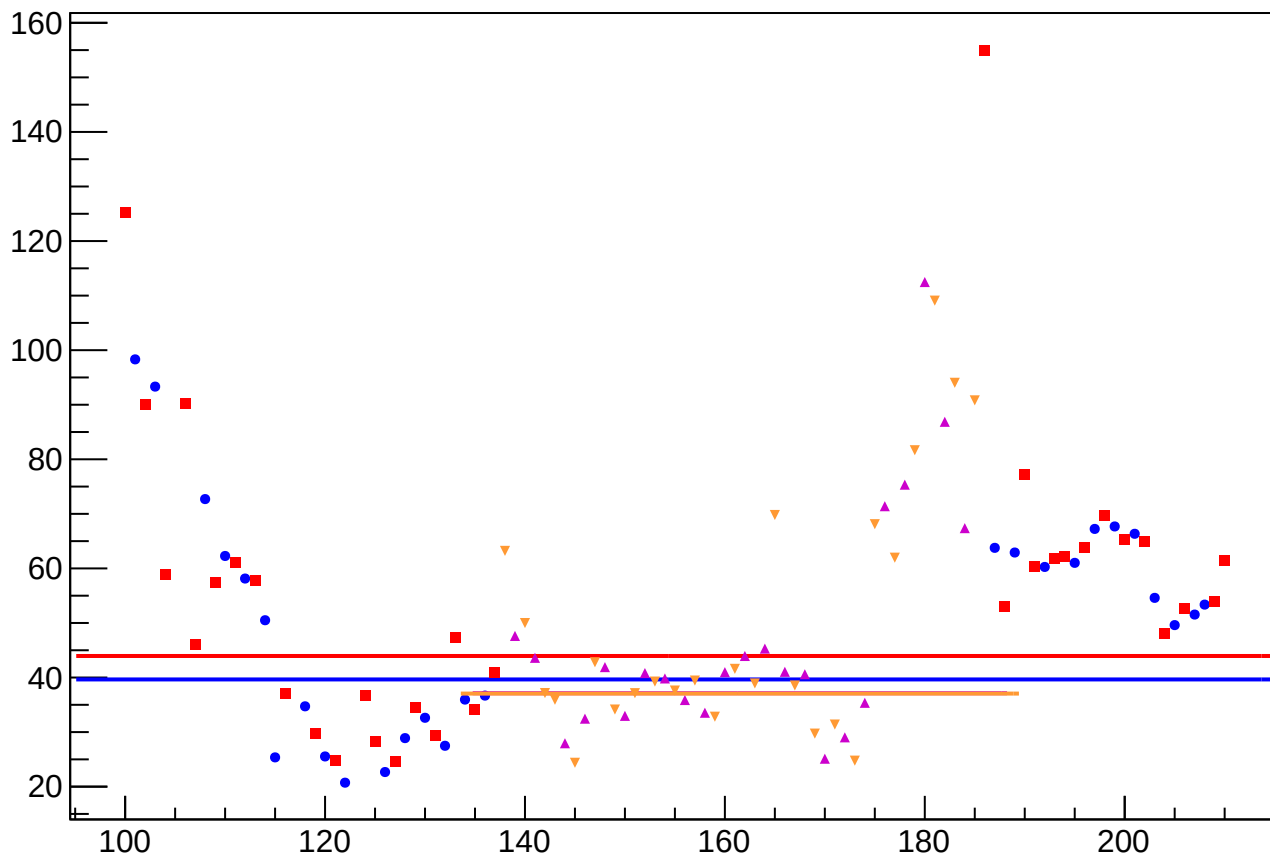
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.012 ± 0.007 χ^2/NDF : 62.8/51

All: 0.011 ± 0.005 χ^2/NDF : 157.1/107

- sign 0.011 ± 0.007 χ^2/NDF : 94.3/55

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.650 $\pm$ 0.008 χ^2 /NDF: 4845948.8/26

Left Out: 37.057 $\pm$ 0.006 χ^2 /NDF: 4053728.9/24

Right Out: 43.950 $\pm$ 0.008 χ^2 /NDF: 4465557.7/32

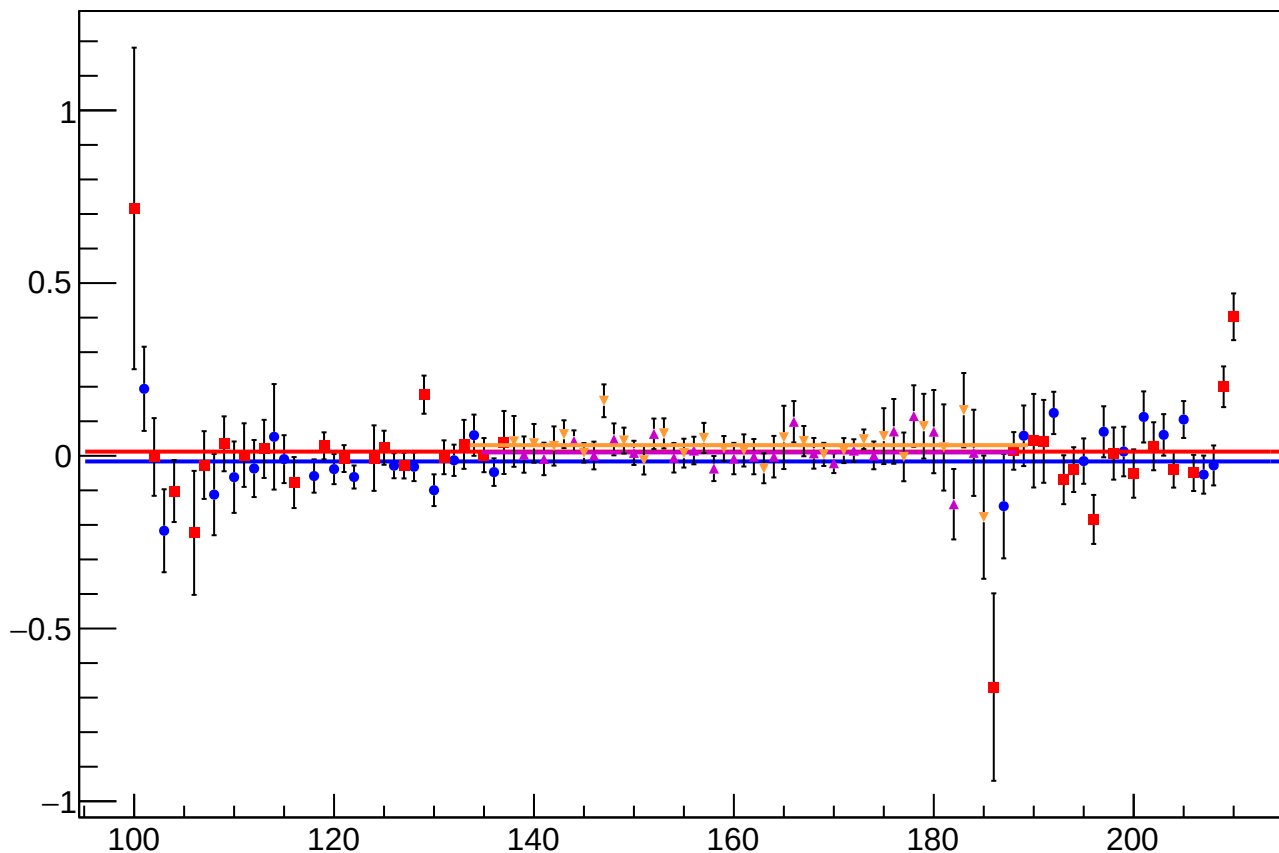
Left In: 37.127 $\pm$ 0.007 χ^2 /NDF: 3012767.1/22

+ sign 38.114 $\pm$ 0.005 χ^2 /NDF: 8965487.4/51

All: 38.997 $\pm$ 0.004 χ^2 /NDF: 16943010.9/107

- sign 39.925 $\pm$ 0.005 χ^2 /NDF: 7912721.5/55

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.011 χ^2/NDF : 34.1/26

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.012 ± 0.011 χ^2/NDF : 81.0/32

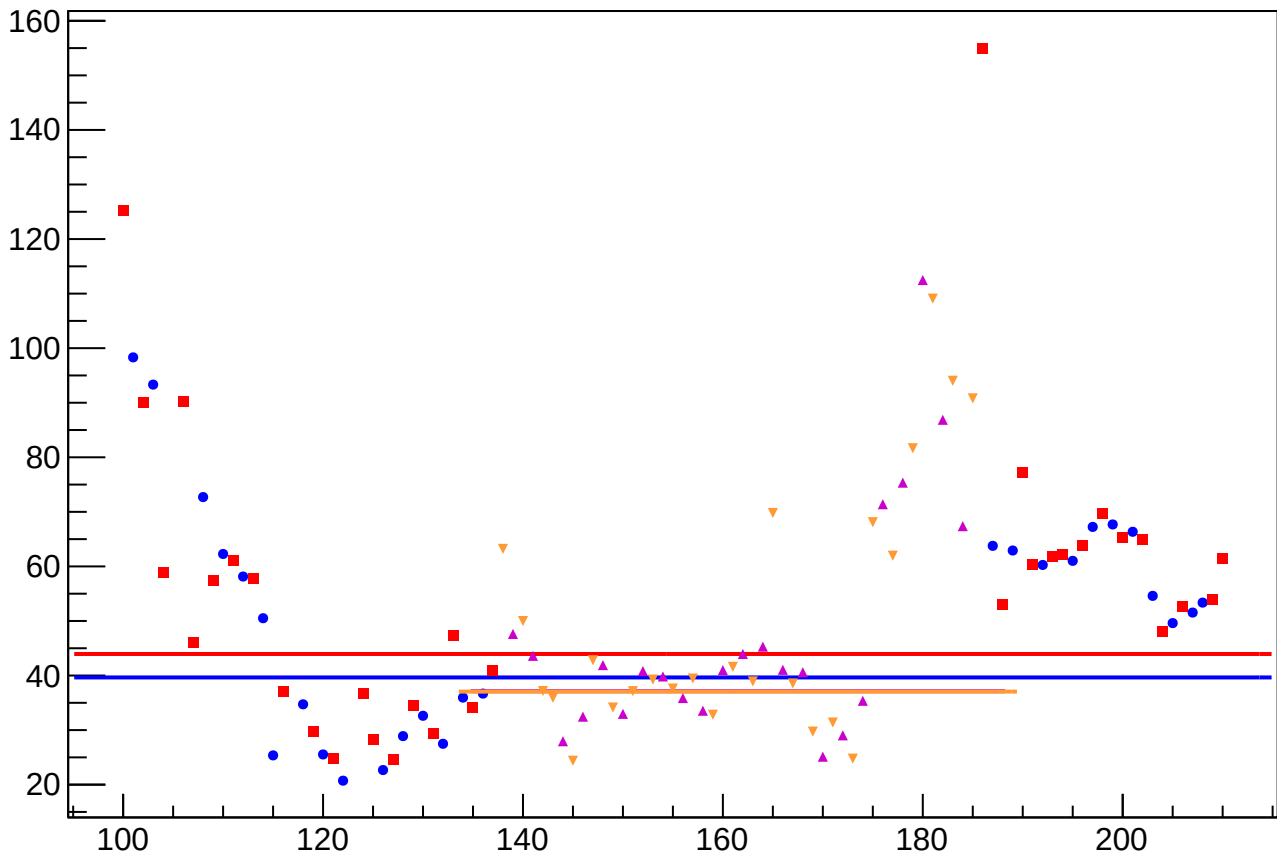
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.012 ± 0.007 χ^2/NDF : 62.8/51

All: 0.011 ± 0.005 χ^2/NDF : 157.1/107

- sign 0.011 ± 0.007 χ^2/NDF : 94.3/55

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.650 $\pm$ 0.008 χ^2 /NDF: 4845948.8/26

Left Out: 37.057 $\pm$ 0.006 χ^2 /NDF: 4053728.9/24

Right Out: 43.950 $\pm$ 0.008 χ^2 /NDF: 4465557.7/32

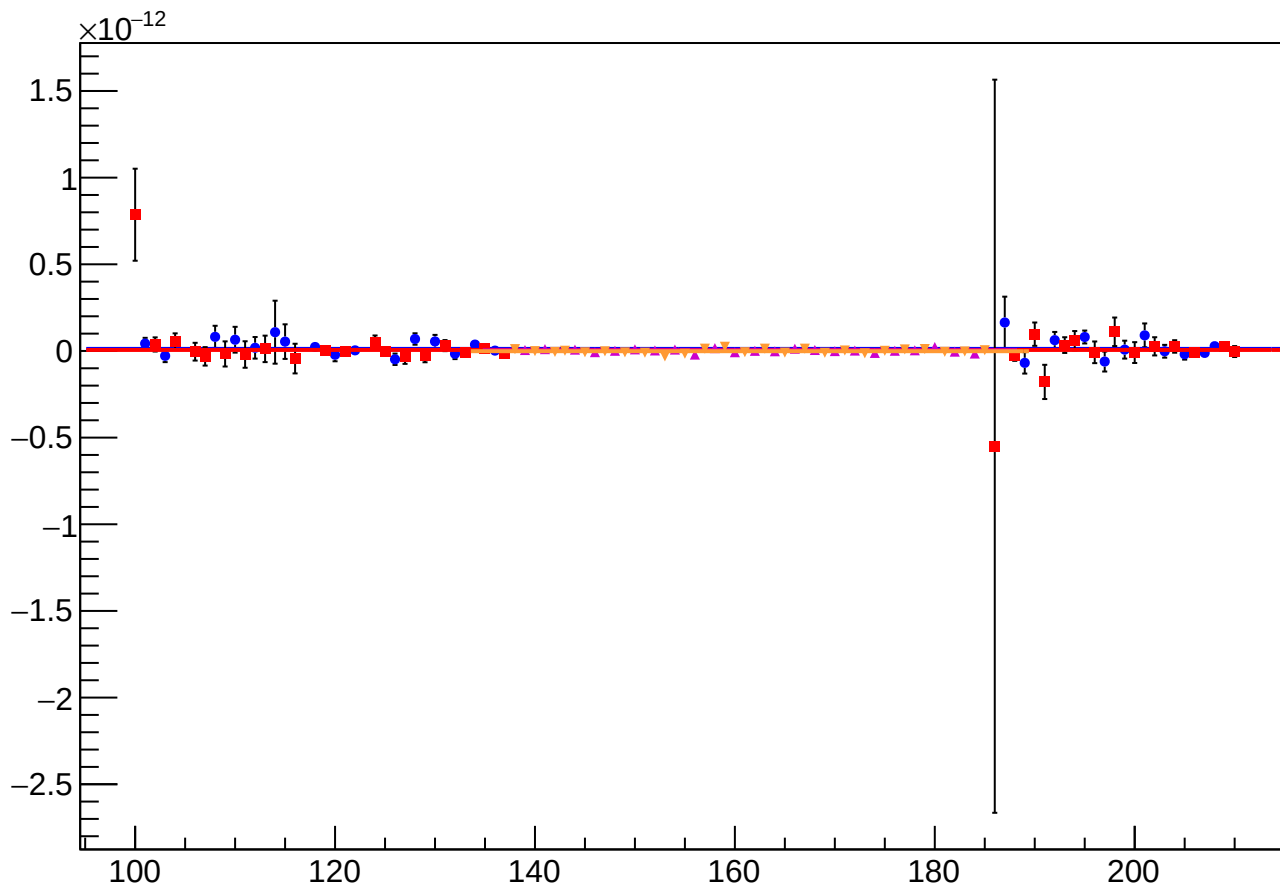
Left In: 37.127 $\pm$ 0.007 χ^2 /NDF: 3012767.1/22

+ sign 38.114 $\pm$ 0.005 χ^2 /NDF: 8965487.4/51

All: 38.997 $\pm$ 0.004 χ^2 /NDF: 16943010.9/107

- sign 39.925 $\pm$ 0.005 χ^2 /NDF: 7912721.5/55

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 29.4/26

Left Out: -0.000+/-0.000 χ^2/NDF : 26.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 28.7/32

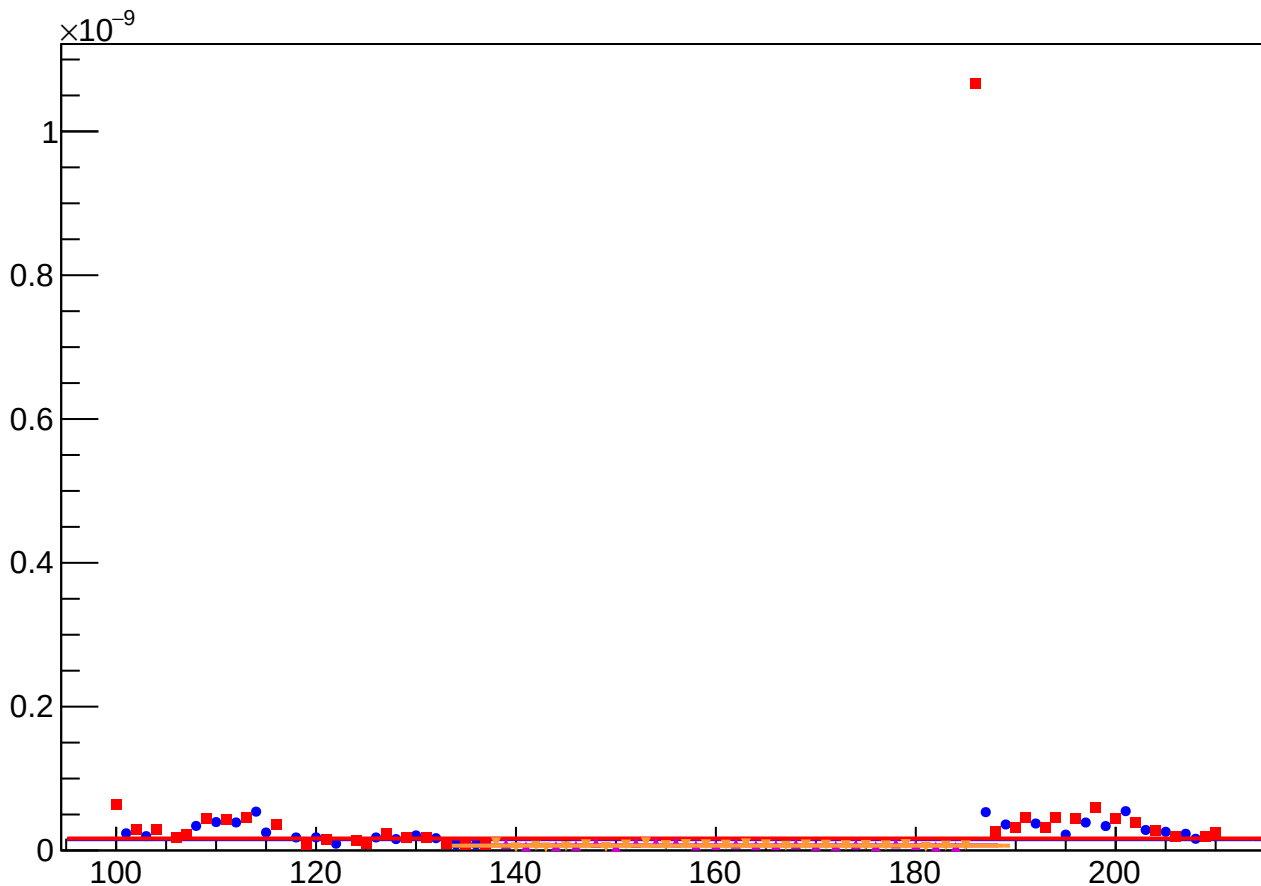
Left In: 0.000+/-0.000 χ^2/NDF : 20.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 60.3/51

All: 0.000+/-0.000 χ^2/NDF : 111.4/107

- sign 0.000+/-0.000 χ^2/NDF : 49.4/55

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5281510.6/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7386805.7/32

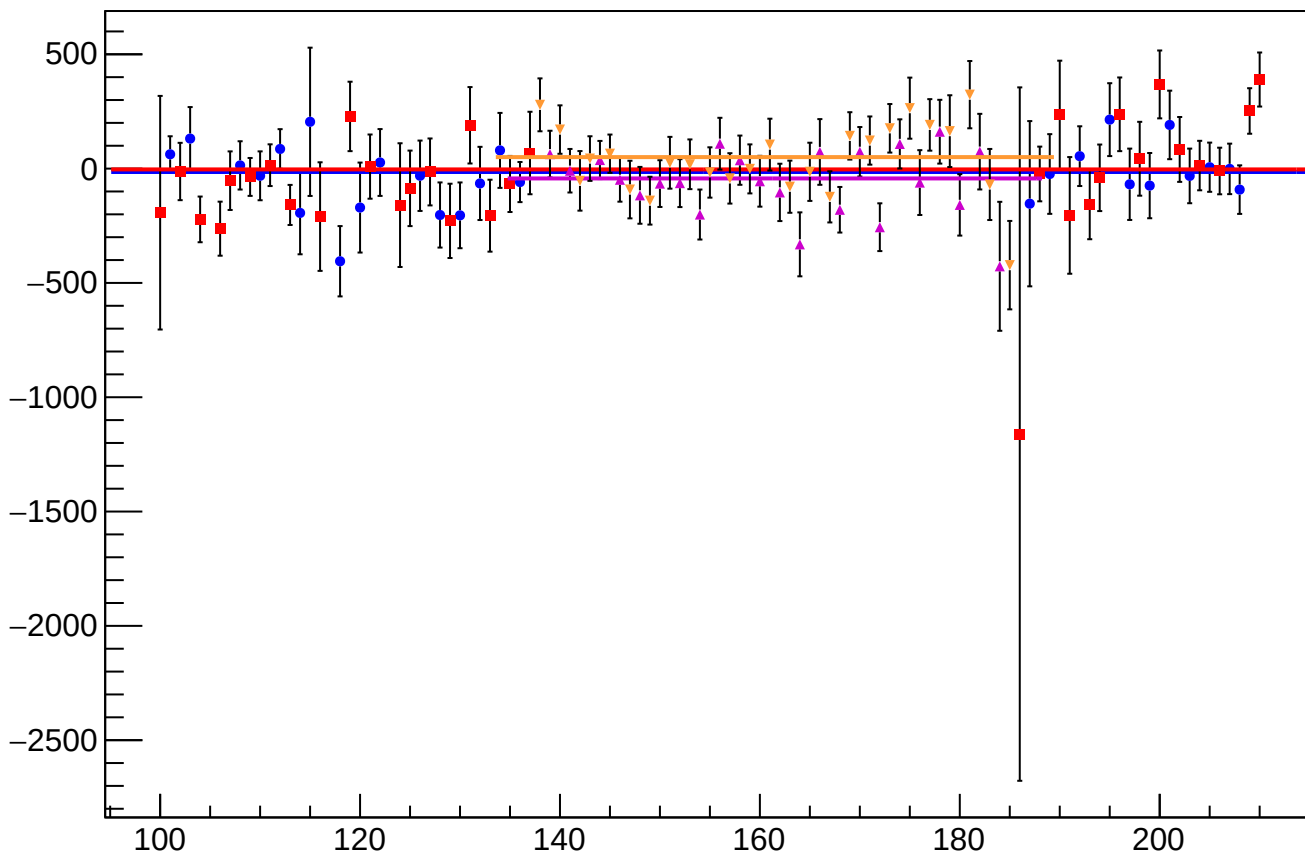
Left In: 0.000+/-0.000 χ^2/NDF : 1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 11812051.1/51

All: 0.000+/-0.000 χ^2/NDF : 25761406.0/107

- sign 0.000+/-0.000 χ^2/NDF : 13849563.7/55

reg_asym_sam_1548_avg_mean vs Slug



Right In: -14.738 ± 24.802 $\chi^2/\text{NDF}: 21.6/26$

Left Out: 50.314 ± 22.958 $\chi^2/\text{NDF}: 33.5/24$

Right Out: -3.528 ± 23.344 $\chi^2/\text{NDF}: 52.2/32$

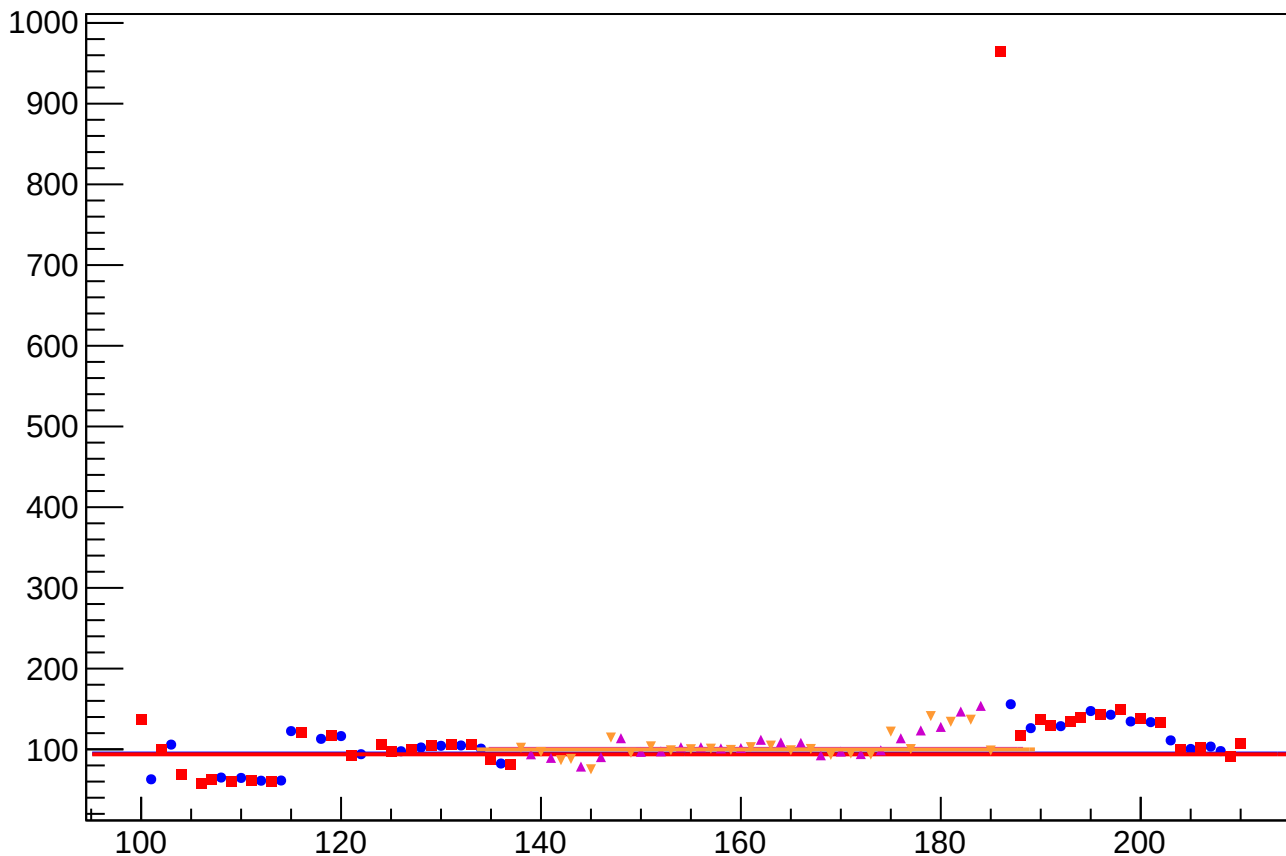
Left In: -43.026 ± 23.758 $\chi^2/\text{NDF}: 26.6/22$

+ sign 20.297 ± 16.848 $\chi^2/\text{NDF}: 58.7/51$

All: -1.570 ± 11.843 $\chi^2/\text{NDF}: 142.3/107$

- sign -22.930 ± 16.651 $\chi^2/\text{NDF}: 80.2/55$

reg_asym_sam_1548_avg_rms vs Slug



Right In: 94.715 $\pm$ 0.018 χ^2 /NDF: 2174760.3/26

Left Out: 99.839 $\pm$ 0.016 χ^2 /NDF: 697768.7/24

Right Out: 93.780 $\pm$ 0.017 χ^2 /NDF: 3454772.0/32

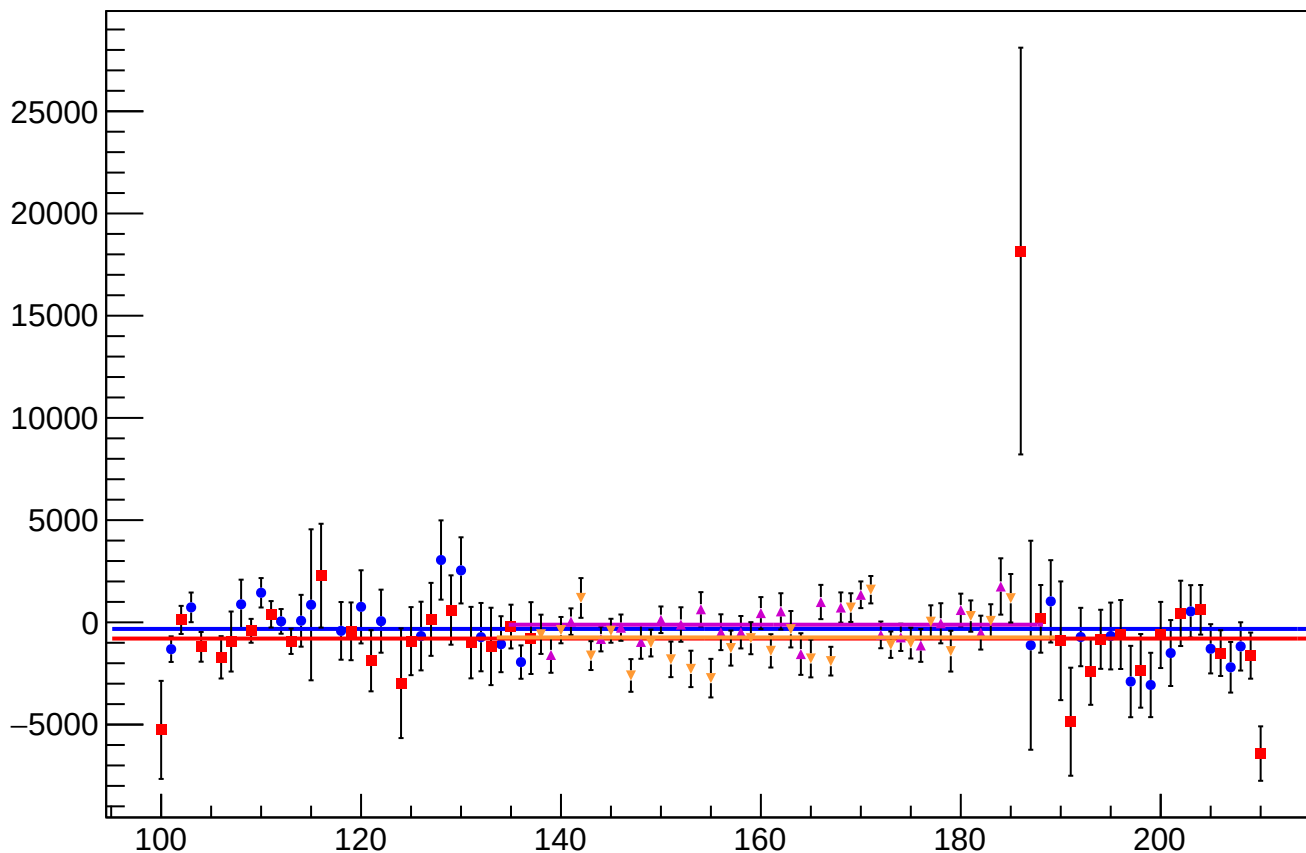
Left In: 100.498 $\pm$ 0.017 χ^2 /NDF: 656850.1/22

+ sign 97.475 $\pm$ 0.012 χ^2 /NDF: 2918497.4/51

All: 97.275 $\pm$ 0.008 χ^2 /NDF: 7112043.4/107

- sign 97.080 $\pm$ 0.012 χ^2 /NDF: 4192990.1/55

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -321.818+/-223.203 χ^2/NDF : 33.4/26

Left Out: -738.364+/-156.311 χ^2/NDF : 49.7/24

Right Out: -793.091+/-206.960 χ^2/NDF : 43.1/32

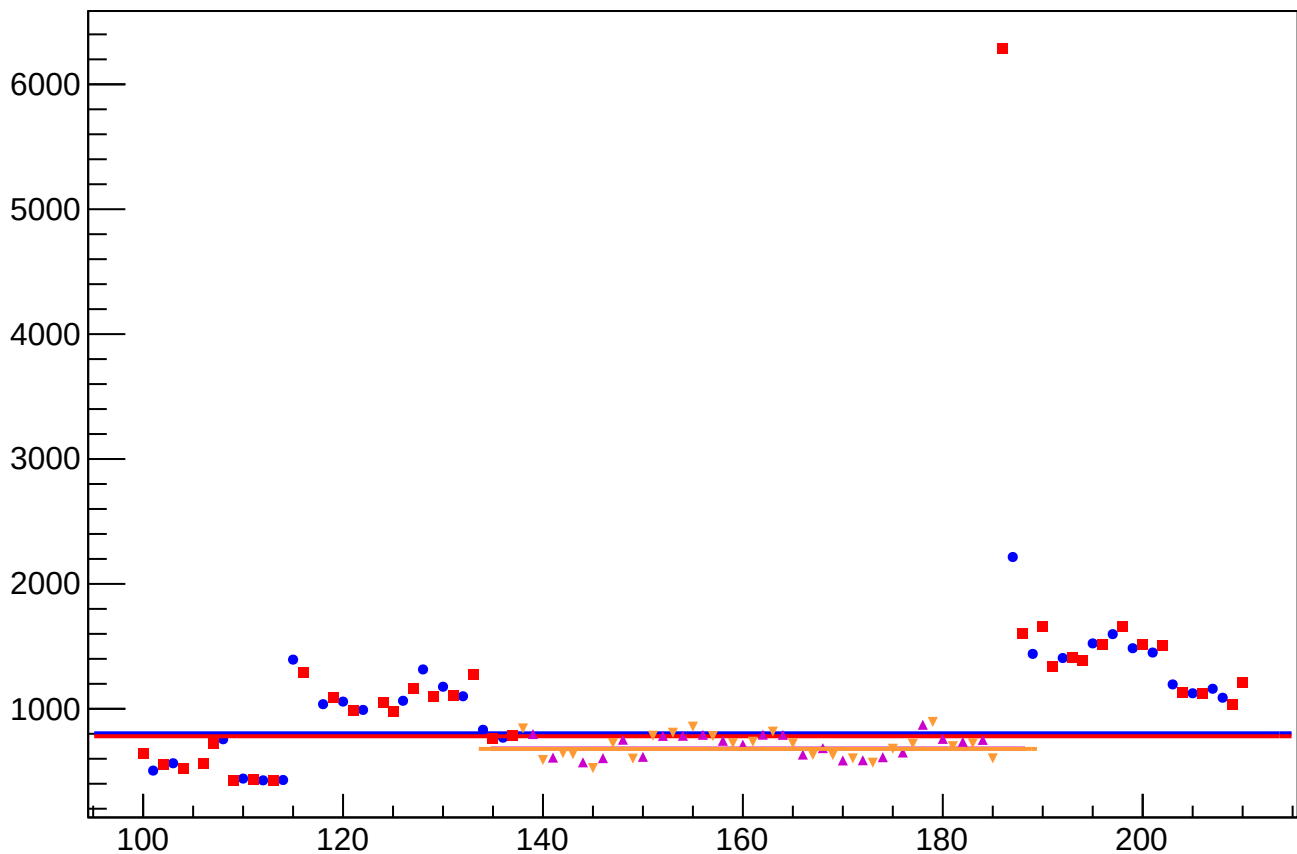
Left In: -115.639+/-160.990 χ^2/NDF : 23.7/22

+ sign -601.298+/-128.036 χ^2/NDF : 85.4/51

All: -485.292+/-90.192 χ^2/NDF : 160.6/107

- sign -371.029+/-127.071 χ^2/NDF : 73.5/55

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 803.731+/-0.158 χ^2/NDF : 5489391.1/26

Left Out: 679.146+/-0.111 χ^2/NDF : 737419.7/24

Right Out: 780.179+/-0.146 χ^2/NDF : 7563269.8/32

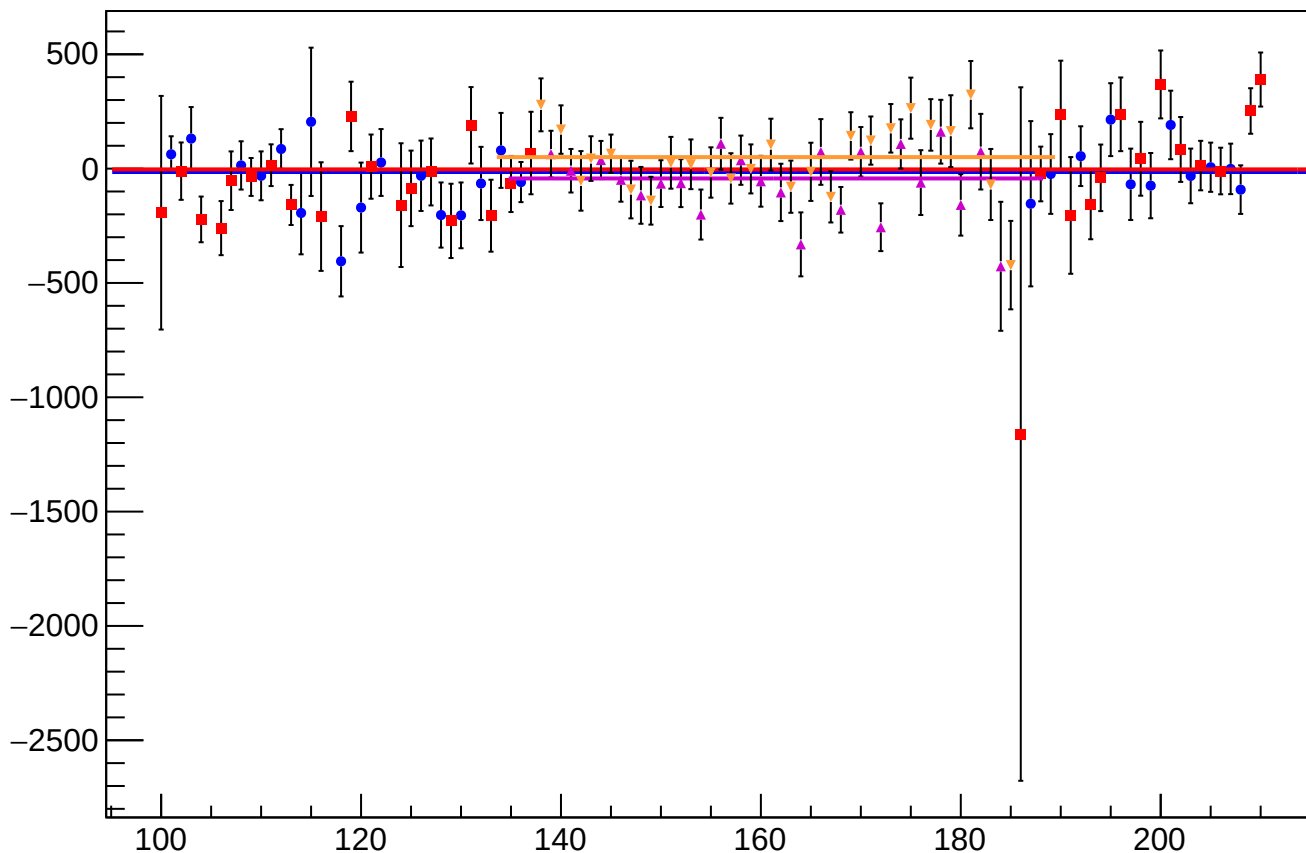
Left In: 681.893+/-0.114 χ^2/NDF : 573812.4/22

+ sign 720.141+/-0.091 χ^2/NDF : 6644876.0/51

All: 719.539+/-0.064 χ^2/NDF : 15063067.2/10

- sign 718.945+/-0.090 χ^2/NDF : 8418103.4/55

cor_asym_sam_1548_avg_mean vs Slug



Right In: -14.741 ± 24.802 $\chi^2/\text{NDF}: 21.6/26$

Left Out: 50.322 ± 22.958 $\chi^2/\text{NDF}: 33.4/24$

Right Out: -3.366 ± 23.345 $\chi^2/\text{NDF}: 52.1/32$

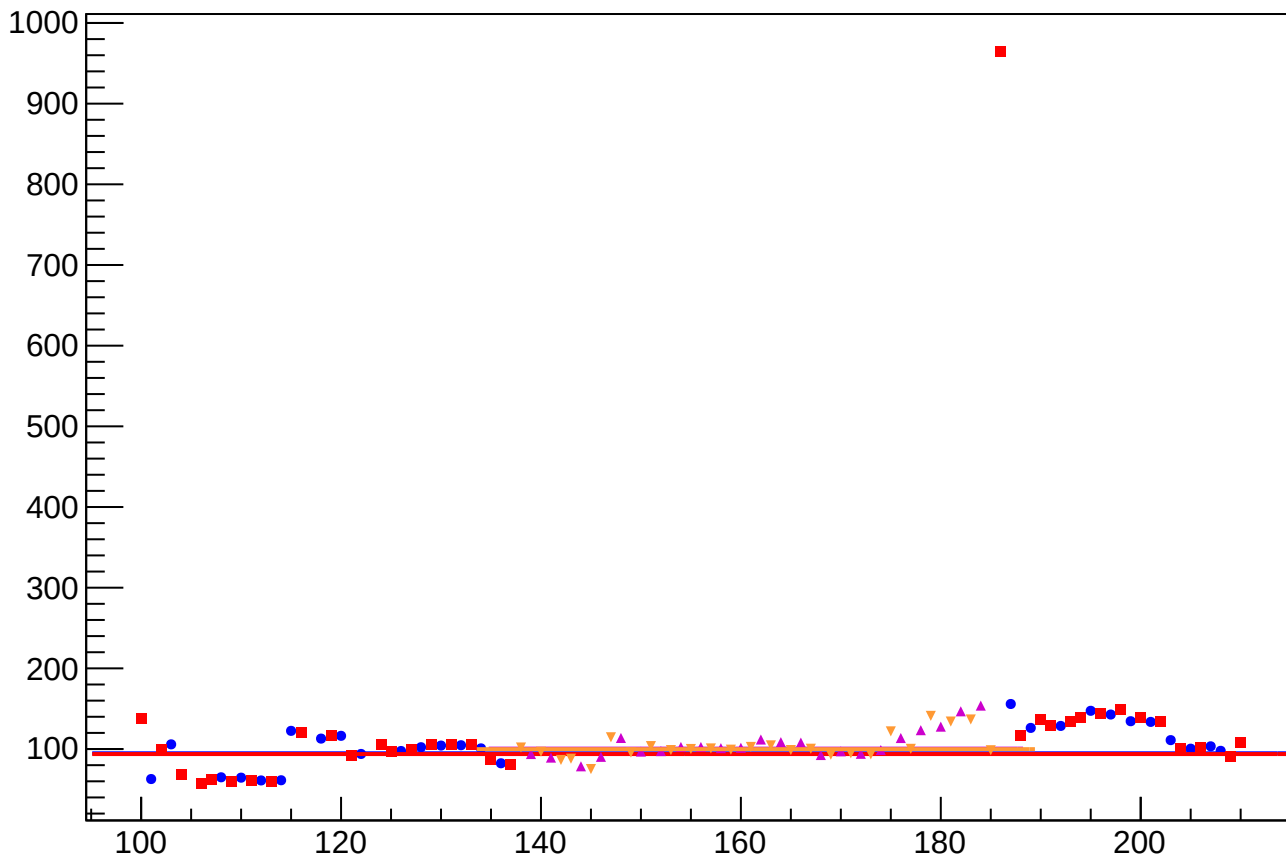
Left In: -43.026 ± 23.758 $\chi^2/\text{NDF}: 26.6/22$

+ sign 20.300 ± 16.848 $\chi^2/\text{NDF}: 58.7/51$

All: -1.527 ± 11.843 $\chi^2/\text{NDF}: 142.2/107$

- sign -22.848 ± 16.652 $\chi^2/\text{NDF}: 80.1/55$

cor_asym_sam_1548_avg_rms vs Slug



Right In: 94.715 $\pm$ 0.018 χ^2 /NDF: 2174761.5/26

Left Out: 99.839 $\pm$ 0.016 χ^2 /NDF: 697768.8/24

Right Out: 93.770 $\pm$ 0.017 χ^2 /NDF: 3458133.3/32

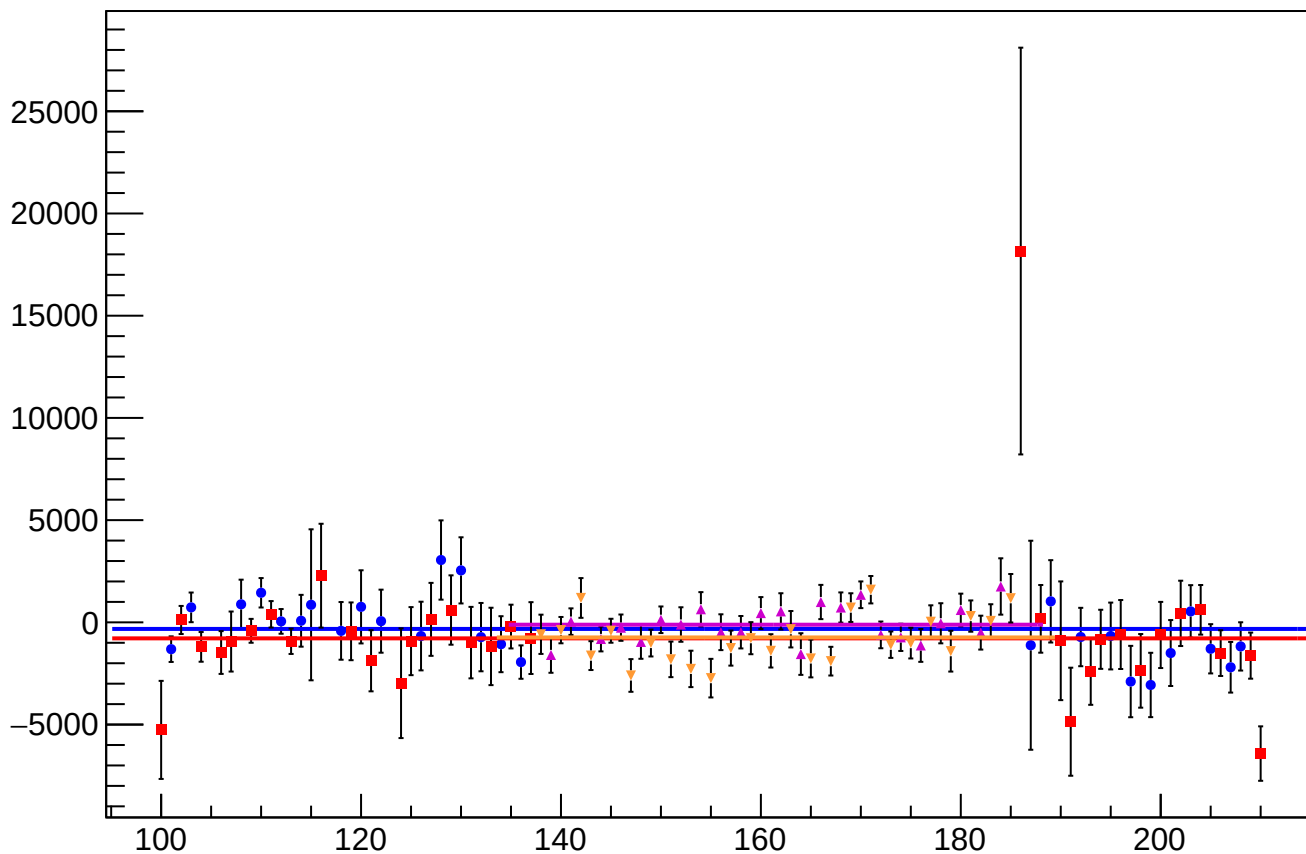
Left In: 100.498 $\pm$ 0.017 χ^2 /NDF: 656850.1/22

+ sign 97.475 $\pm$ 0.012 χ^2 /NDF: 2918498.4/51

All: 97.272 $\pm$ 0.008 χ^2 /NDF: 7115663.9/107

- sign 97.075 $\pm$ 0.012 χ^2 /NDF: 4196595.3/55

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -321.842+/-223.205 χ^2/NDF : 33.4/26

Left Out: -738.352+/-156.311 χ^2/NDF : 49.7/24

Right Out: -783.564+/-207.056 χ^2/NDF : 42.7/32

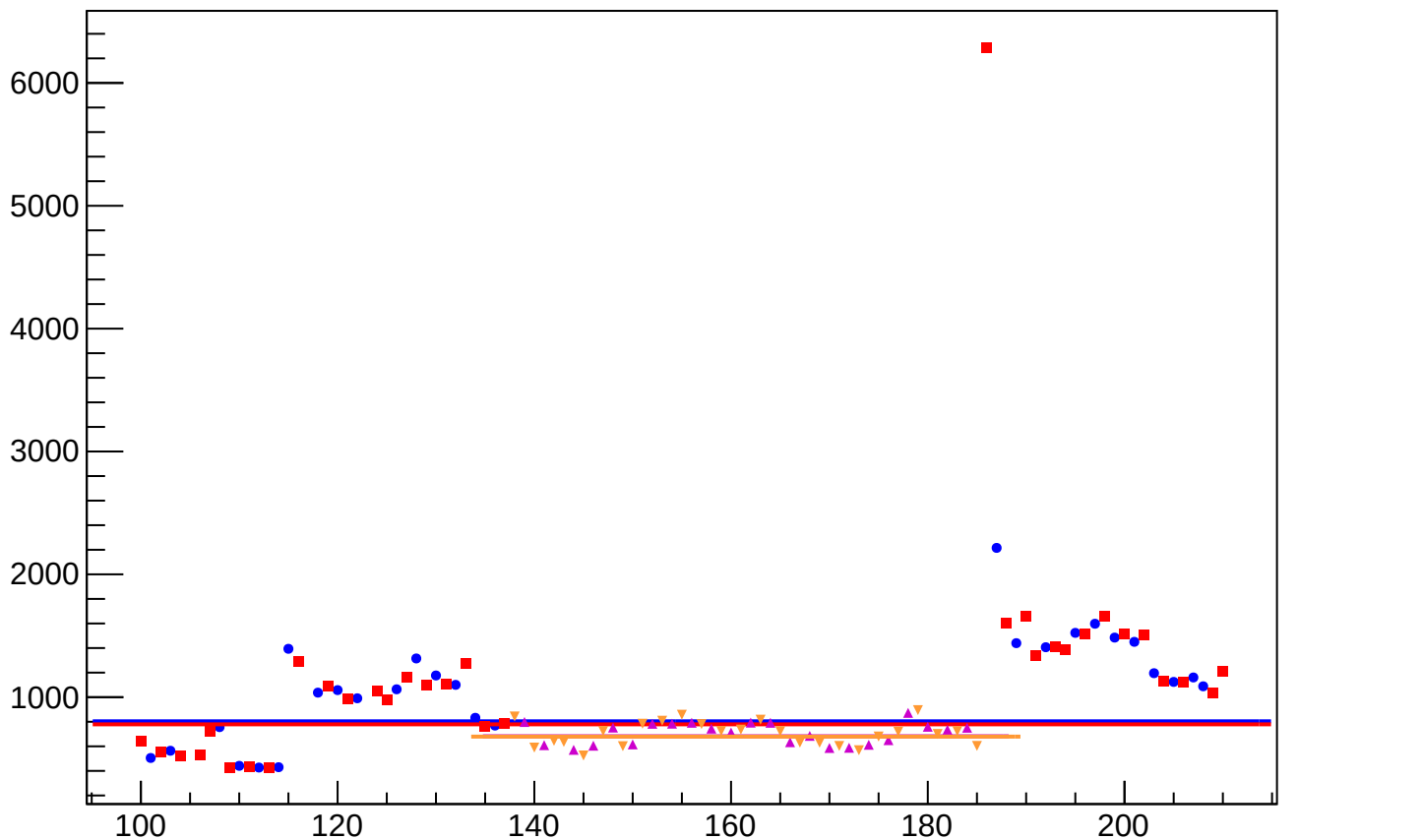
Left In: -115.639+/-160.990 χ^2/NDF : 23.7/22

+ sign -601.300+/-128.037 χ^2/NDF : 85.4/51

All: -483.430+/-90.200 χ^2/NDF : 160.1/107

- sign -367.291+/-127.094 χ^2/NDF : 73.0/55

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 803.740 $\pm$ 0.158 χ^2 /NDF: 5489244.2/26

Left Out: 679.146 $\pm$ 0.111 χ^2 /NDF: 737418.6/24

Right Out: 779.082 $\pm$ 0.146 χ^2 /NDF: 7589786.2/32

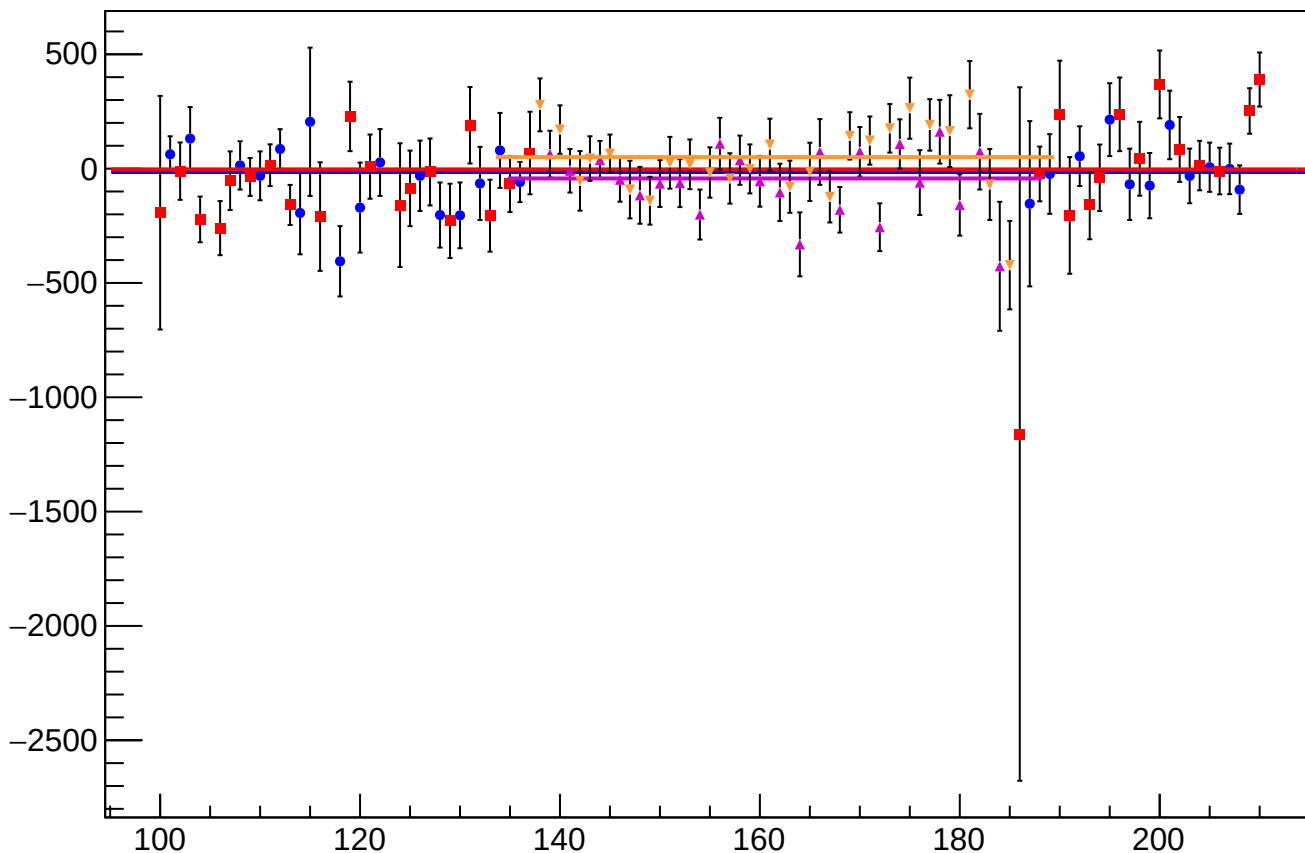
Left In: 681.893 $\pm$ 0.114 χ^2 /NDF: 573813.6/22

+ sign 720.144 $\pm$ 0.091 χ^2 /NDF: 6644788.5/51

All: 719.321 $\pm$ 0.064 χ^2 /NDF: 15083172.4/10

- sign 718.510 $\pm$ 0.090 χ^2 /NDF: 8438220.0/55

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -14.741 $\pm$ 24.802 χ^2/NDF : 21.6/26

Left Out: 50.322 $\pm$ 22.958 χ^2/NDF :33.4/24

Right Out: -3.366 $\pm$ 23.345 χ^2/NDF : 52.1/32

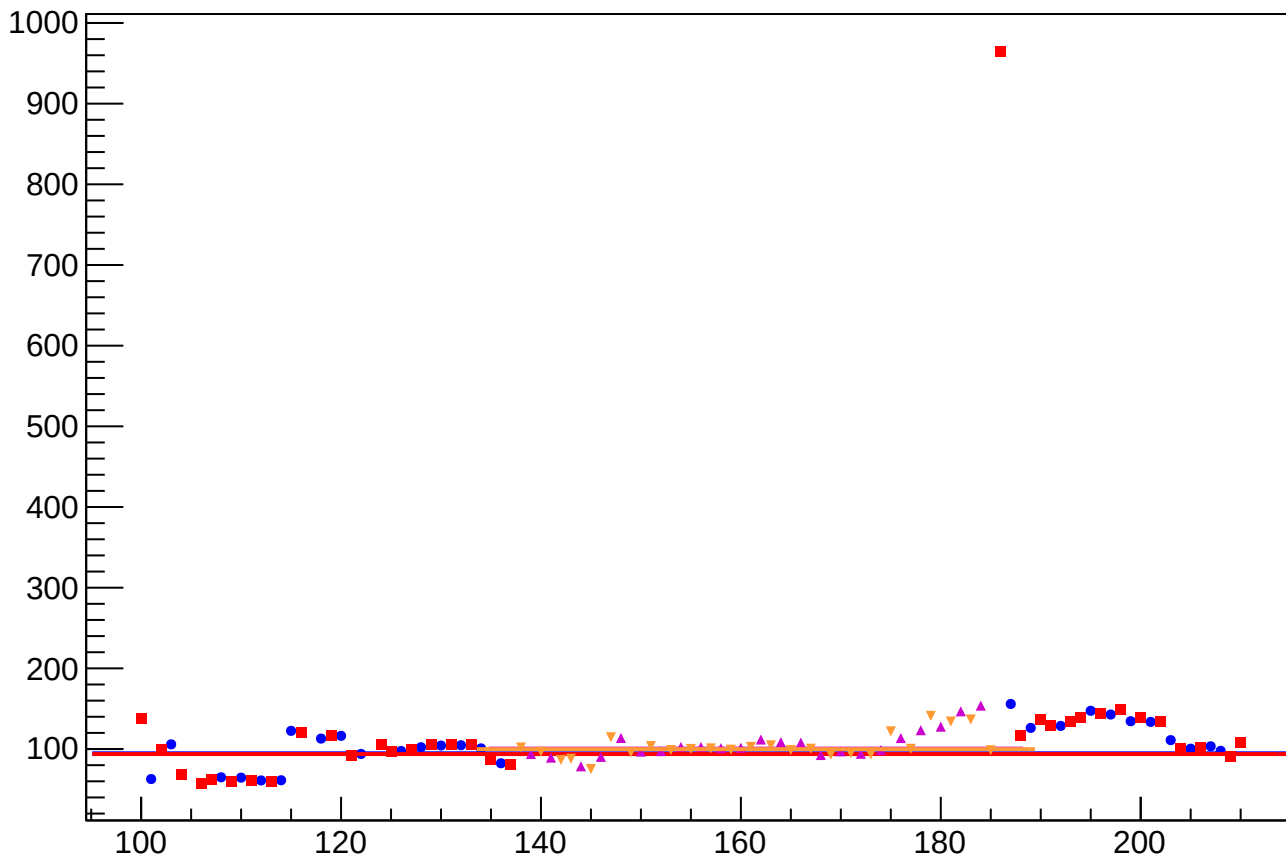
Left In: -43.026 $\pm$ 23.758 χ^2/NDF :26.6/22

+ sign 20.300 $\pm$ 16.848 χ^2/NDF : 58.7/51

All: -1.527 $\pm$ 11.843 χ^2/NDF : 142.2/107

- sign -22.848 $\pm$ 16.652 χ^2/NDF : 80.1/55

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 94.715+/-0.018 χ^2/NDF : 2174761.5/26

Left Out: 99.839+/-0.016 χ^2/NDF : 697768.8/24

Right Out: 93.770+/-0.017 χ^2/NDF : 3458133.3/32

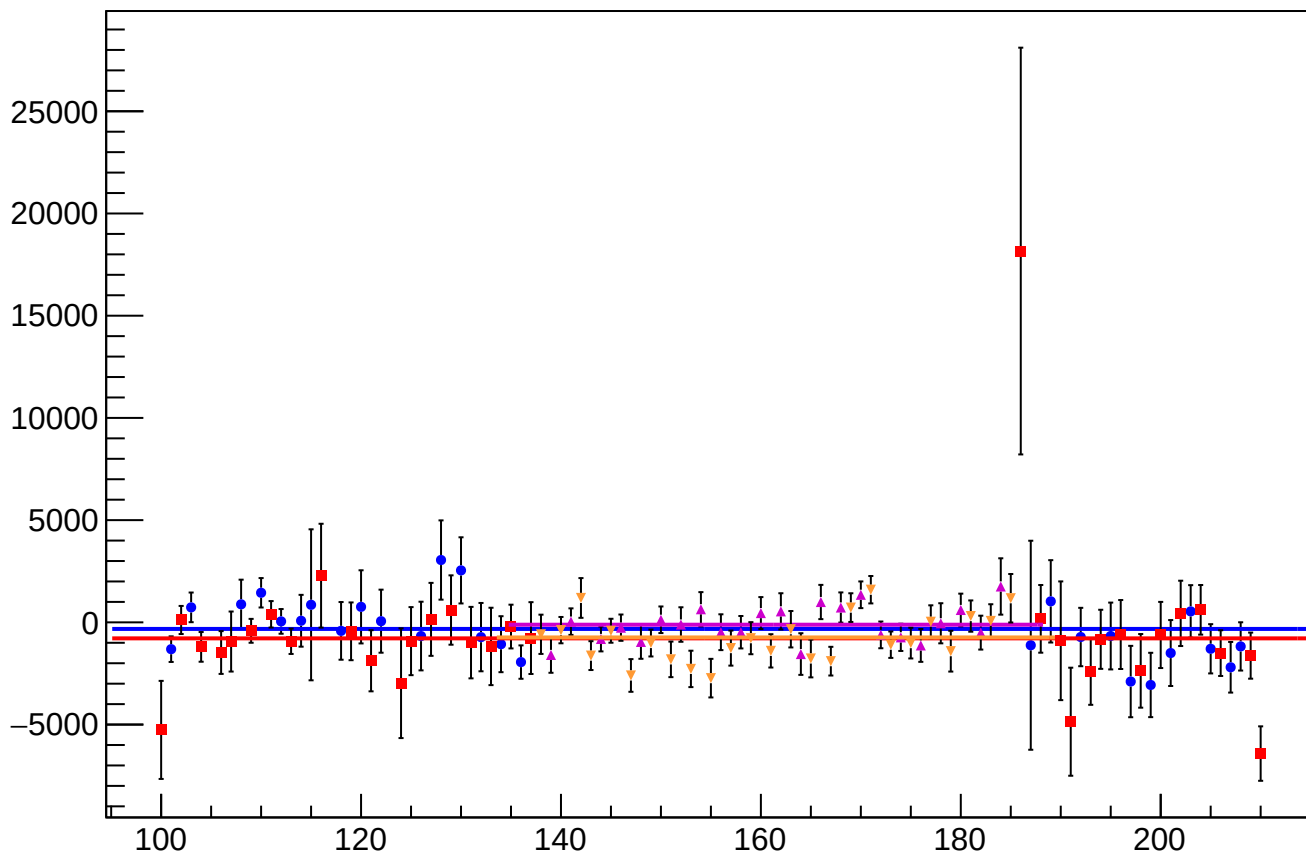
Left In: 100.498+/-0.017 χ^2/NDF : 656850.1/22

+ sign 97.475+/-0.012 χ^2/NDF : 2918498.4/51

All: 97.272+/-0.008 χ^2/NDF : 7115663.9/107

- sign 97.075+/-0.012 χ^2/NDF : 4196595.3/55

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug



Right In: -321.842 ± 223.205 χ^2/NDF : 33.4/26

Left Out: -738.352 ± 156.311 χ^2/NDF : 49.7/24

Right Out: -783.564 ± 207.056 χ^2/NDF : 42.7/32

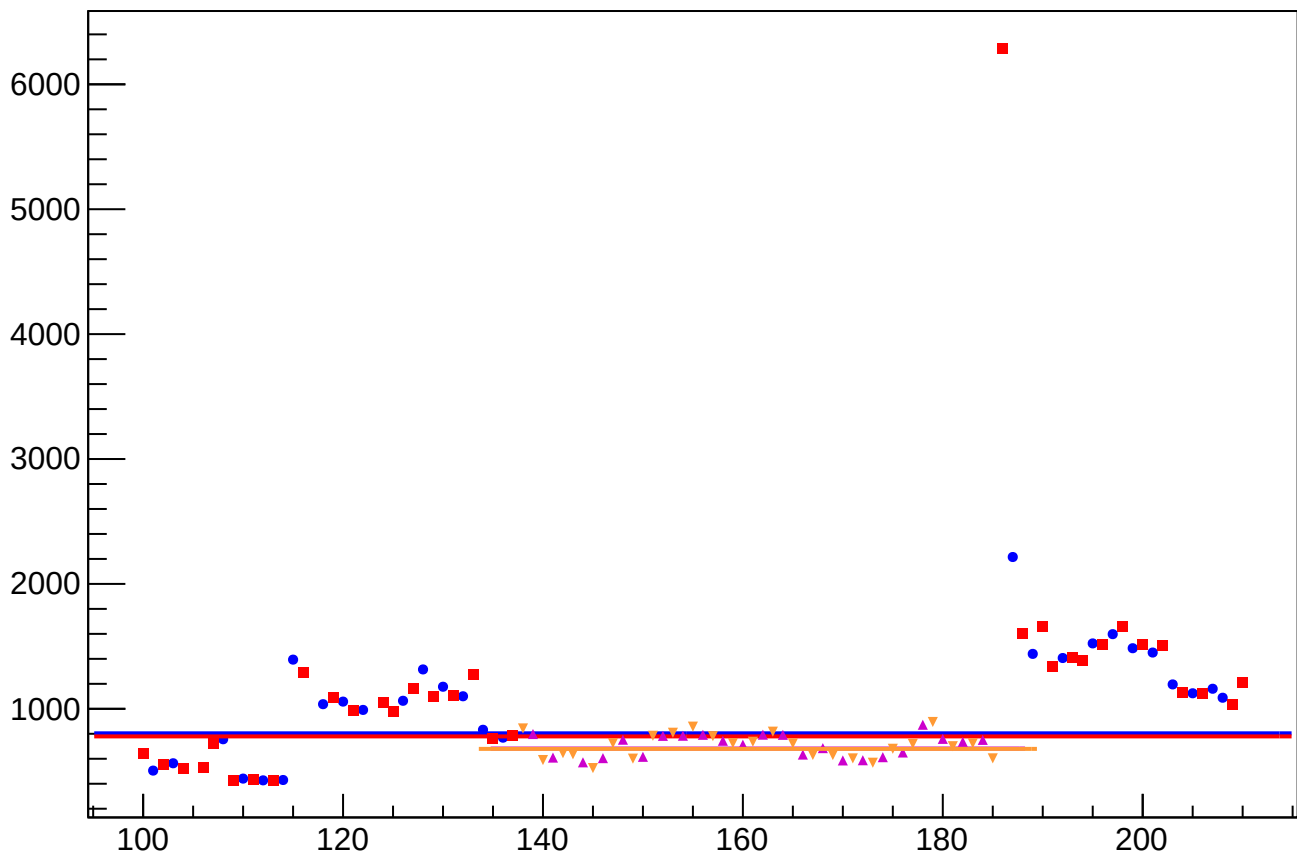
Left In: -115.639 ± 160.990 χ^2/NDF : 23.7/22

+ sign -601.300 ± 128.037 χ^2/NDF : 85.4/51

All: -483.430 ± 90.200 χ^2/NDF : 160.1/107

- sign -367.291 ± 127.094 χ^2/NDF : 73.0/55

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 803.740 $\pm$ 0.158 χ^2 /NDF: 5489244.2/26

Left Out: 679.146 $\pm$ 0.111 χ^2 /NDF: 737418.6/24

Right Out: 779.082 $\pm$ 0.146 χ^2 /NDF: 7589786.2/32

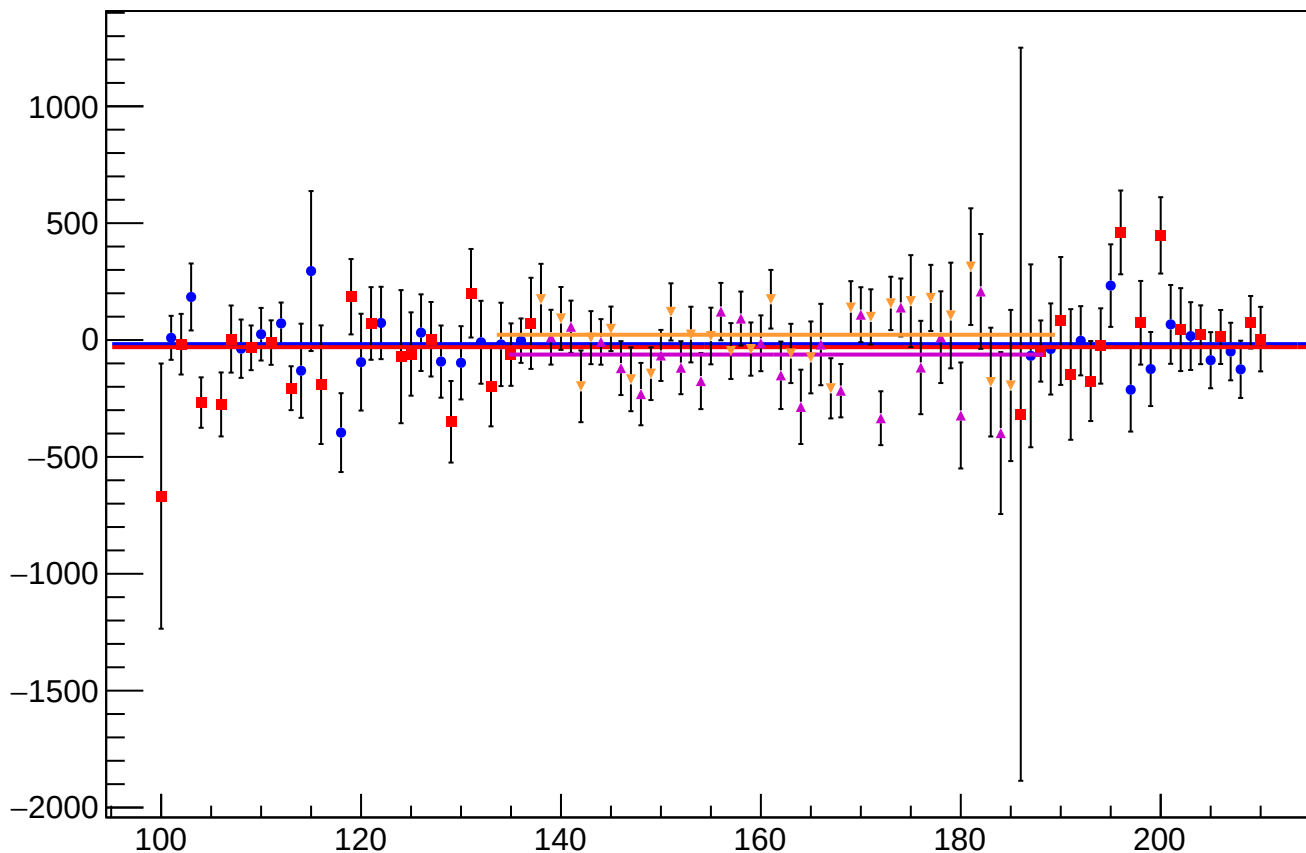
Left In: 681.893 $\pm$ 0.114 χ^2 /NDF: 573813.6/22

+ sign 720.144 $\pm$ 0.091 χ^2 /NDF: 6644788.5/51

All: 719.321 $\pm$ 0.064 χ^2 /NDF: 15083172.4/10

- sign 718.510 $\pm$ 0.090 χ^2 /NDF: 8438220.0/55

dit_asym_sam_1548_avg_mean vs Slug



Right In: -17.568 $\pm$ 27.485 χ^2 /NDF: 15.7/26

Left Out: 22.542 $\pm$ 26.643 χ^2 /NDF:21.6/24

Right Out: -30.533 $\pm$ 25.836 χ^2 /NDF: 40.7/32

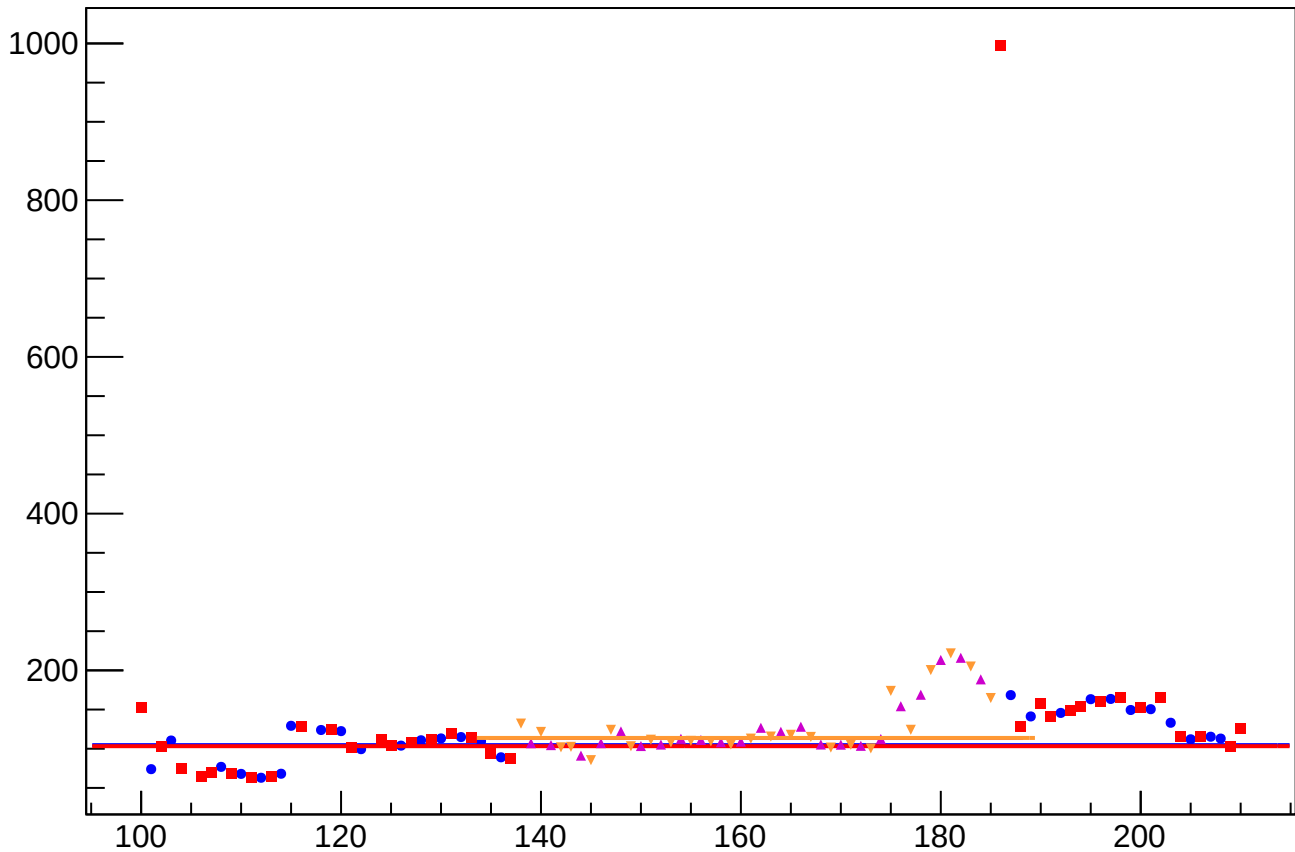
Left In: -62.169 $\pm$ 27.339 χ^2 /NDF:27.3/22

+ sign 3.111 $\pm$ 19.130 χ^2 /NDF: 38.4/51

All: -21.625 $\pm$ 13.401 χ^2 /NDF: 110.4/107

- sign -45.458 $\pm$ 18.778 χ^2 /NDF: 68.7/55

dit_asym_sam_1548_avg_rms vs Slug



Right In: 104.583 $\pm$ 0.019 χ^2 /NDF: 2284957.5/26

Left Out: 113.766 $\pm$ 0.019 χ^2 /NDF: 1579920.3/24

Right Out: 103.236 $\pm$ 0.018 χ^2 /NDF: 3639700.4/32

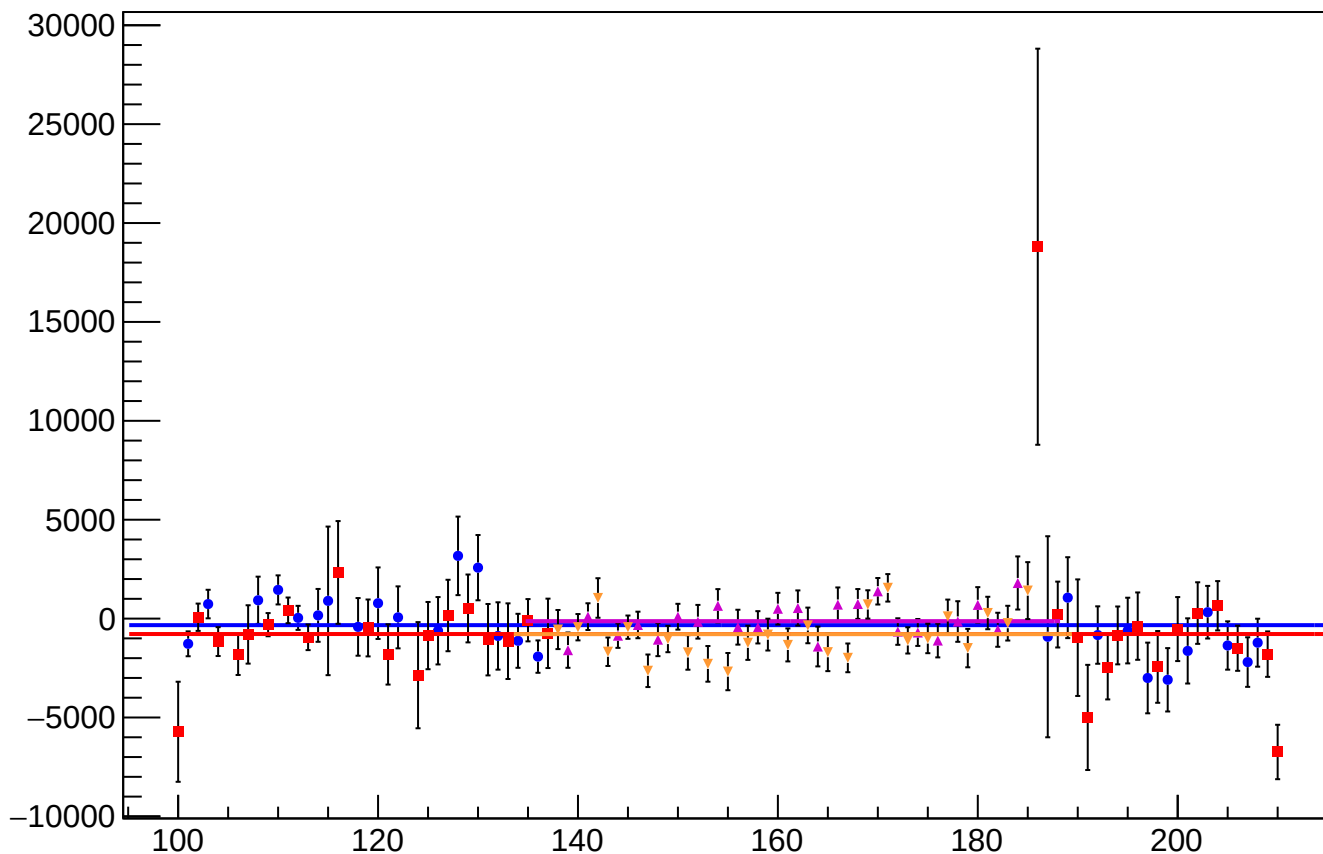
Left In: 113.677 $\pm$ 0.019 χ^2 /NDF: 1316044.6/22

+ sign 109.317 $\pm$ 0.014 χ^2 /NDF: 3979974.2/51

All: 108.729 $\pm$ 0.009 χ^2 /NDF: 9093516.5/107

- sign 108.162 $\pm$ 0.013 χ^2 /NDF: 5109824.1/55

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -330.696+/-225.885 χ^2/NDF : 33.1/26

Left Out: -784.286+/-160.482 χ^2/NDF : 45.4/24

Right Out: -779.656+/-209.442 χ^2/NDF : 45.1/32

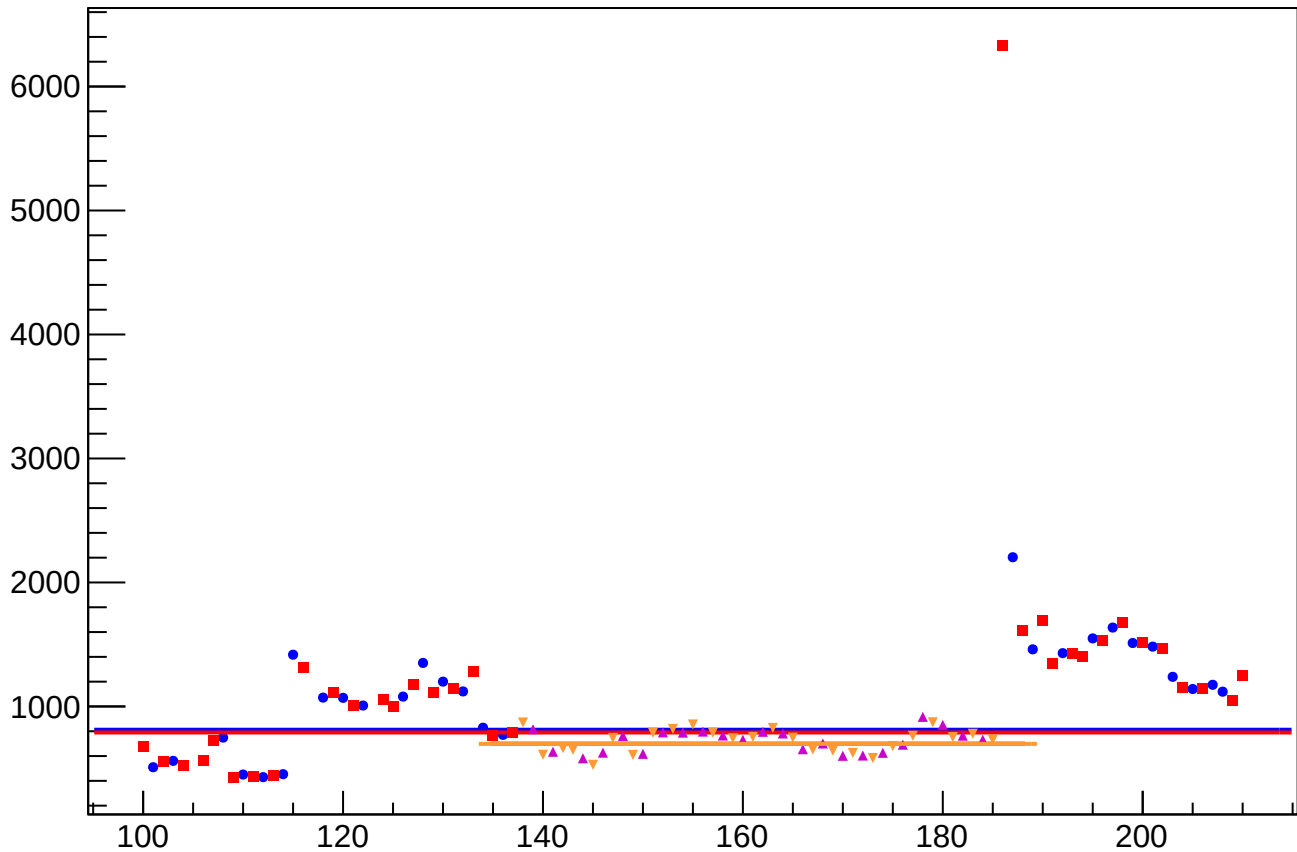
Left In: -128.155+/-165.255 χ^2/NDF : 22.7/22

+ sign -632.135+/-130.826 χ^2/NDF : 81.2/51

All: -504.068+/-92.119 χ^2/NDF : 156.9/107

- sign -378.130+/-129.734 χ^2/NDF : 73.8/55

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 812.294+/-0.160 χ^2/NDF : 5583020.3/26

Left Out: 698.237+/-0.113 χ^2/NDF : 714686.8/24

+ sign 736.496+/-0.093 χ^2/NDF : 6636575.9/51

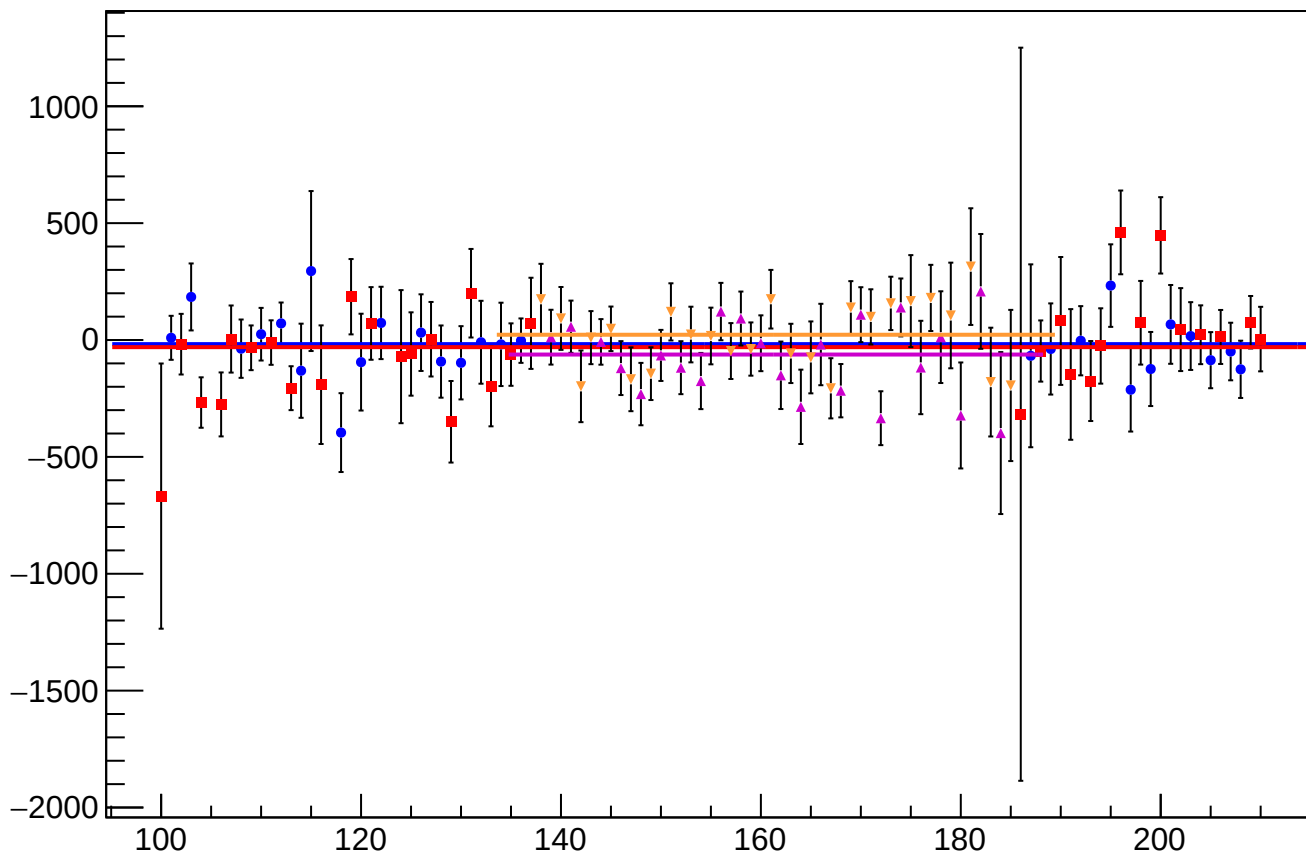
Right Out: 790.088+/-0.148 χ^2/NDF : 7550495.0/32

All: 735.548+/-0.065 χ^2/NDF : 14999250.8/10

- sign 734.615+/-0.092 χ^2/NDF : 8362466.4/55

Left In: 700.079+/-0.117 χ^2/NDF : 584318.7/22

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -17.566 ± 27.485 χ^2/NDF : 15.7/26

Left Out: 22.544 ± 26.643 χ^2/NDF : 21.6/24

Right Out: -30.532 ± 25.836 χ^2/NDF : 40.7/32

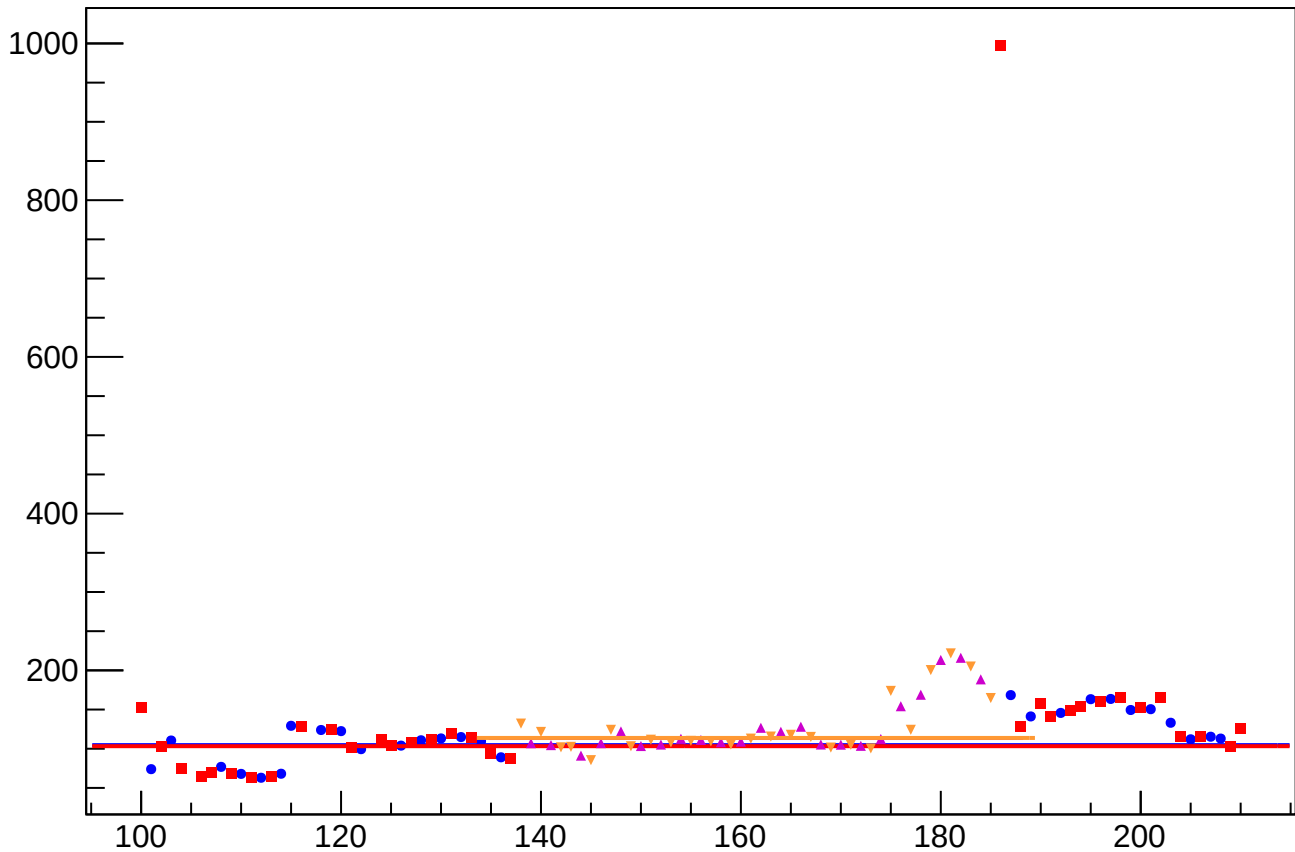
Left In: -62.169 ± 27.339 χ^2/NDF : 27.3/22

+ sign 3.112 ± 19.130 χ^2/NDF : 38.4/51

All: -21.624 ± 13.401 χ^2/NDF : 110.4/107

- sign -45.457 ± 18.778 χ^2/NDF : 68.7/55

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 104.583+/-0.019 χ^2/NDF : 2284944.2/26

Left Out: 113.766+/-0.019 χ^2/NDF : 1579910.8/24

Right Out: 103.236+/-0.018 χ^2/NDF : 3639702.9/32

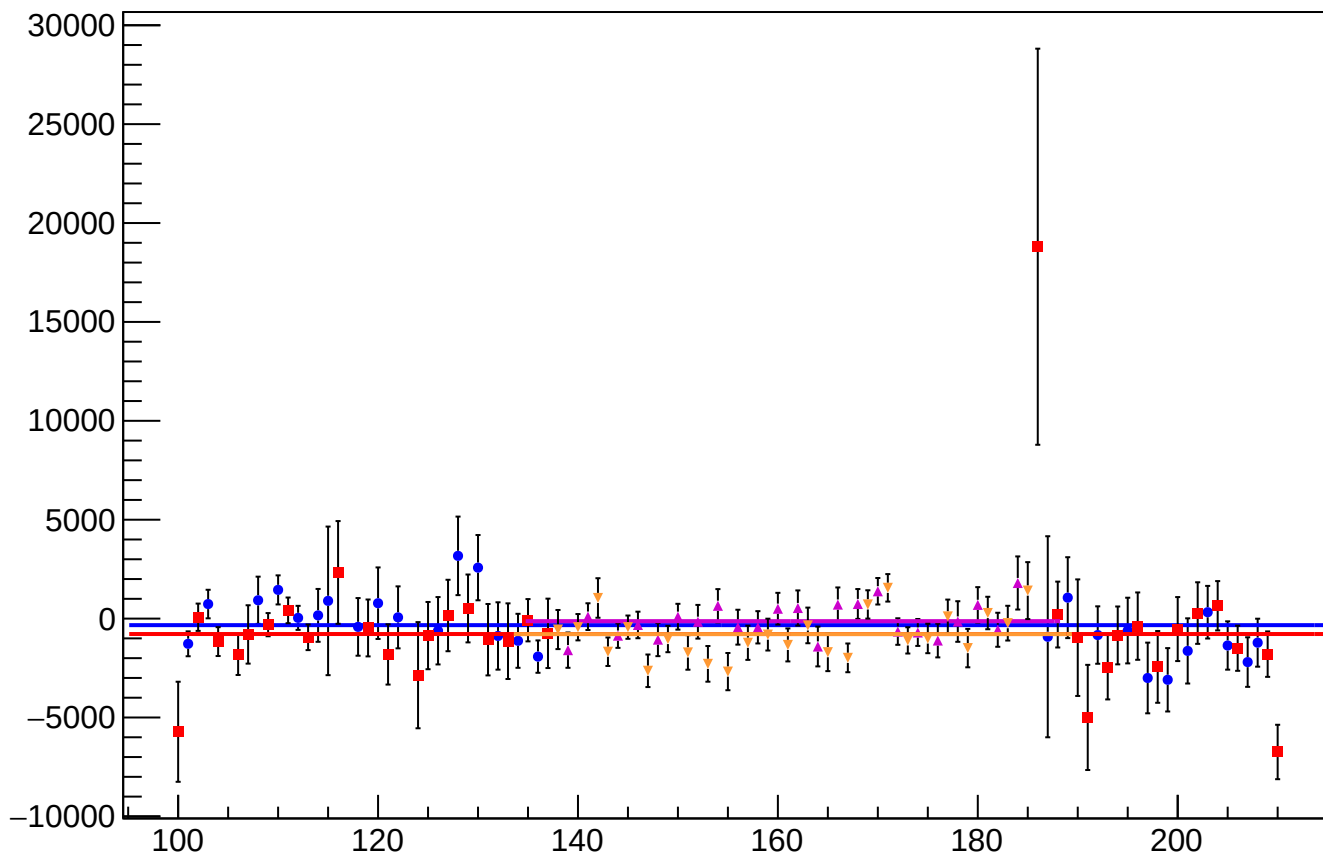
Left In: 113.677+/-0.019 χ^2/NDF : 1316023.5/22

+ sign 109.317+/-0.014 χ^2/NDF : 3979956.2/51

All: 108.729+/-0.009 χ^2/NDF : 9093486.0/107

- sign 108.162+/-0.013 χ^2/NDF : 5109811.8/55

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug



Right In: -330.696 $\pm$ 225.885 χ^2 /NDF: 33.1/26

Left Out: -784.284 $\pm$ 160.482 χ^2 /NDF: 45.4/24

Right Out: -779.655 $\pm$ 209.442 χ^2 /NDF: 45.1/32

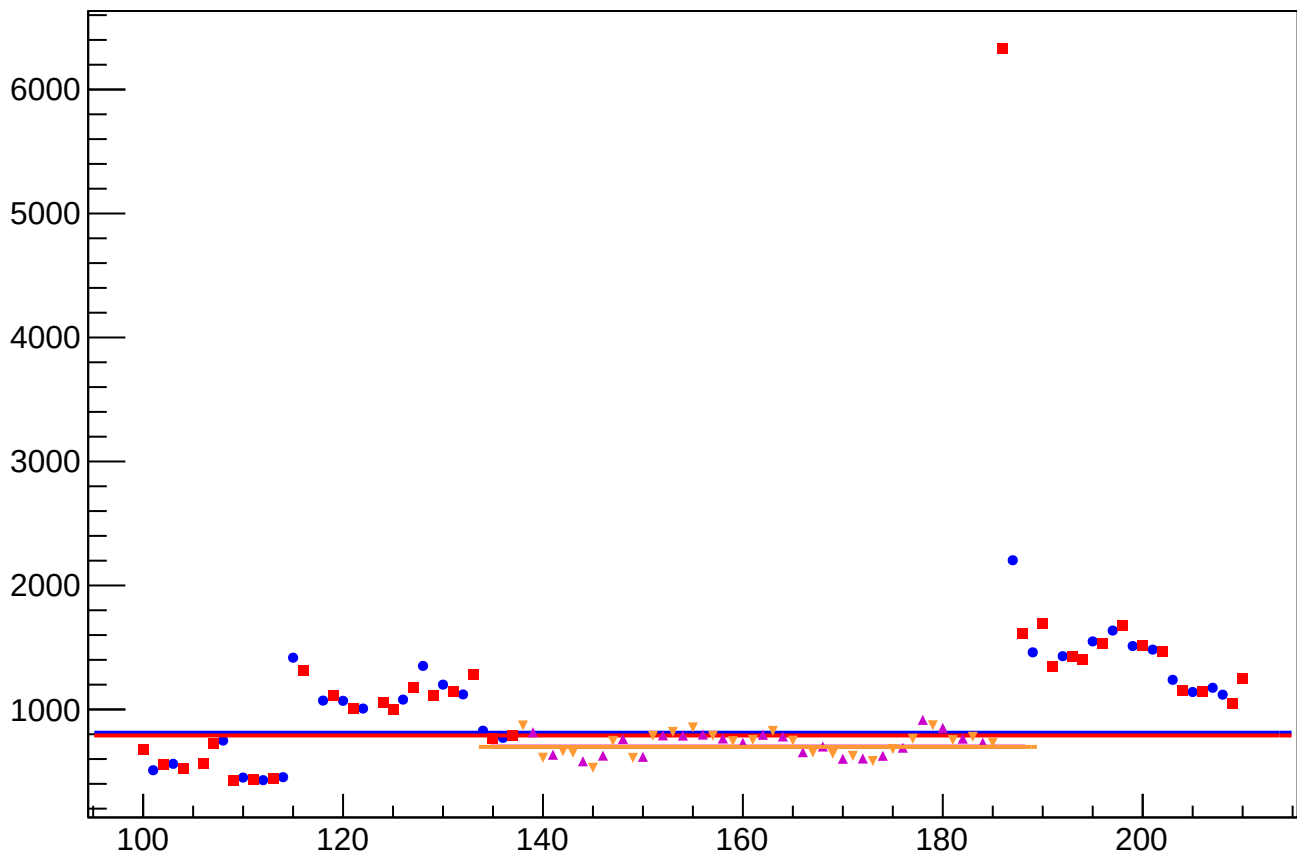
Left In: -128.154 $\pm$ 165.255 χ^2 /NDF: 22.7/22

+ sign -632.134 $\pm$ 130.826 χ^2 /NDF: 81.2/51

All: -504.067 $\pm$ 92.119 χ^2 /NDF: 156.9/107

- sign -378.129 $\pm$ 129.734 χ^2 /NDF: 73.8/55

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 812.293 $\pm$ 0.160 χ^2 /NDF: 5583021.6/26

Left Out: 698.236 $\pm$ 0.113 χ^2 /NDF: 714685.1/24

Right Out: 790.087 $\pm$ 0.148 χ^2 /NDF: 7550491.7/32

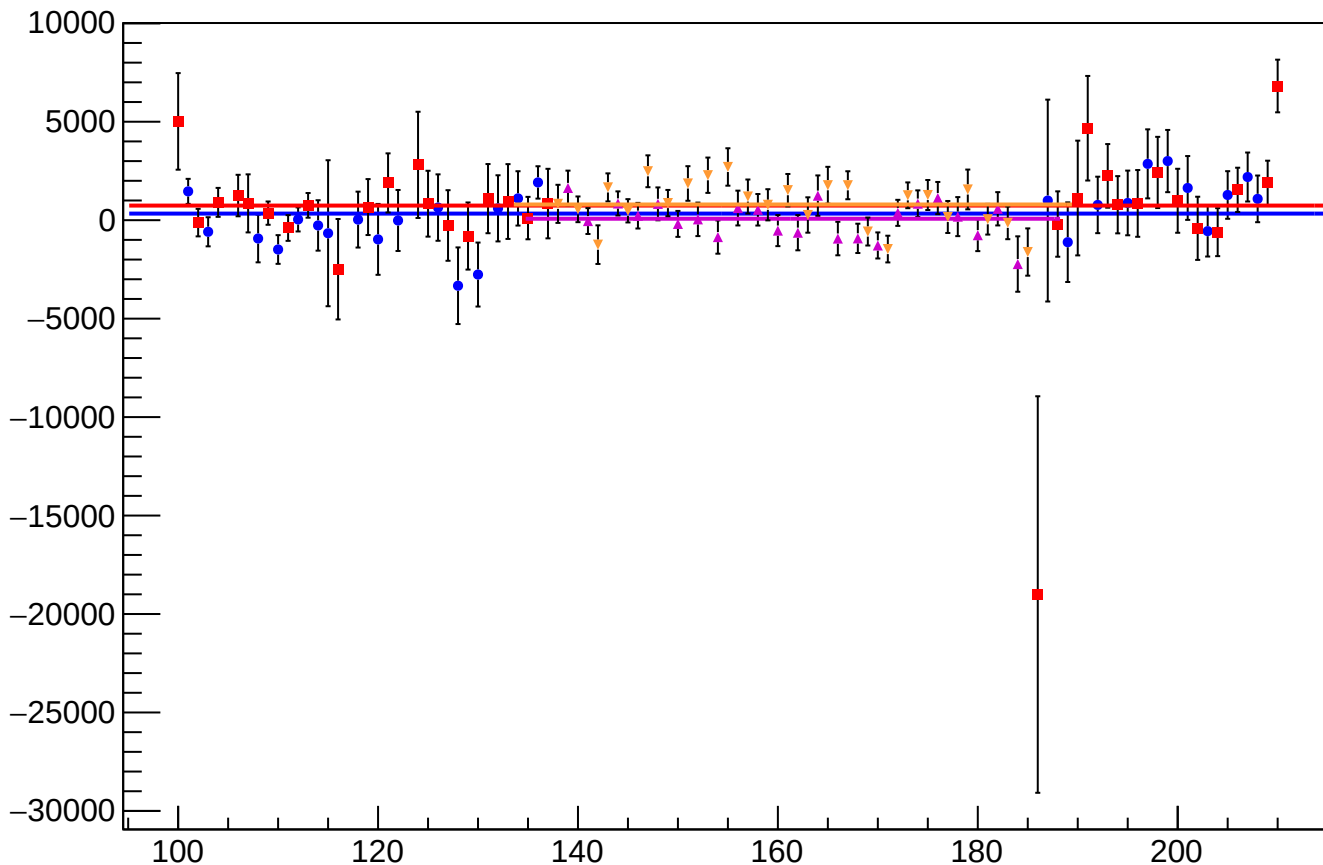
Left In: 700.079 $\pm$ 0.117 χ^2 /NDF: 584314.1/22

+ sign 736.495 $\pm$ 0.093 χ^2 /NDF: 6636575.2/51

All: 735.547 $\pm$ 0.065 χ^2 /NDF: 14999241.5/10

- sign 734.614 $\pm$ 0.092 χ^2 /NDF: 8362457.8/55

asym_sam_1548_avg_mean vs Slug



Right In: 334.444 $\pm$ 225.267 χ^2 /NDF: 34.5/26

Left Out: 796.905 $\pm$ 158.142 χ^2 /NDF:46.4/24

Right Out: 741.786 $\pm$ 208.888 χ^2 /NDF: 44.7/32

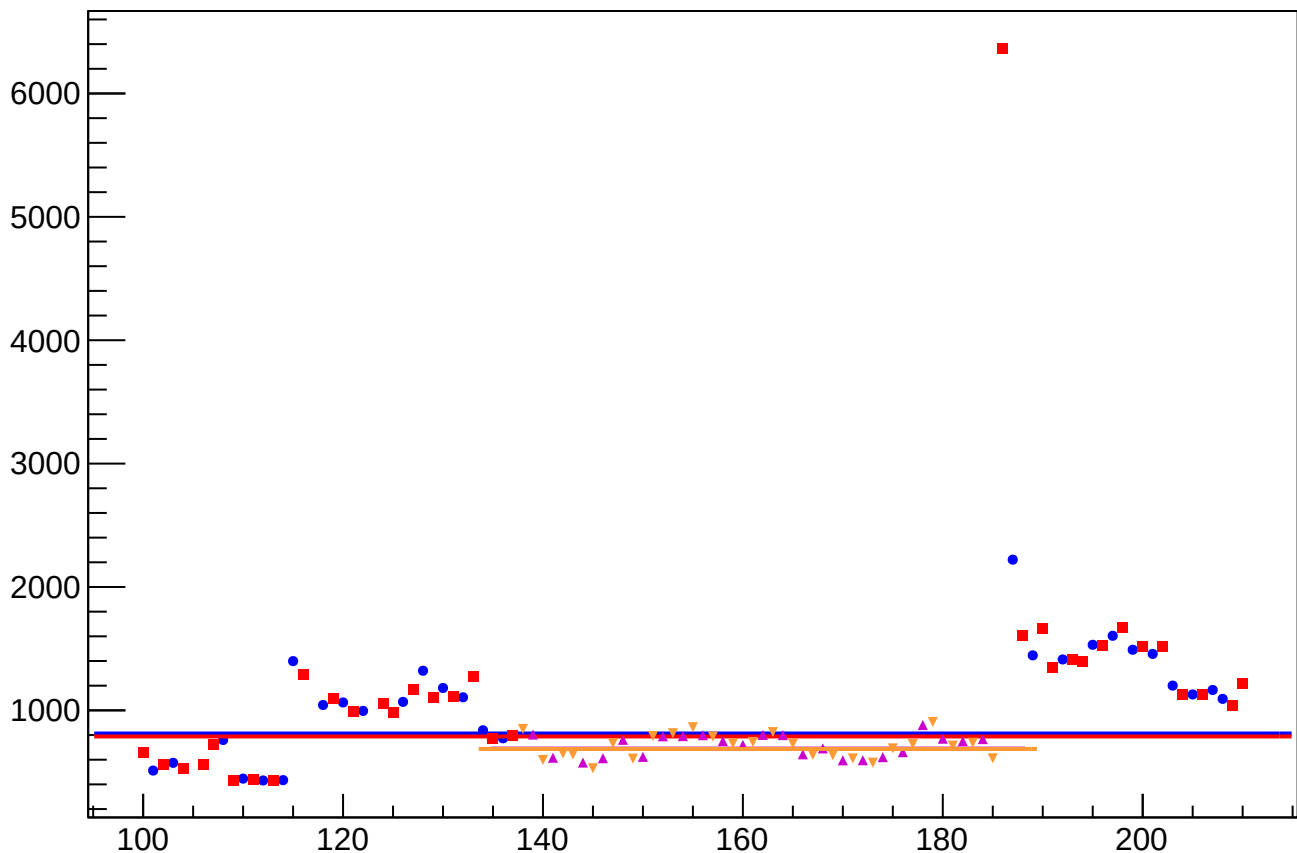
Left In: 73.501 $\pm$ 162.879 χ^2 /NDF:24.9/22

+ sign 644.232 $\pm$ 129.432 χ^2 /NDF: 83.7/51

All: 483.994 $\pm$ 91.172 χ^2 /NDF: 162.7/107

- sign 326.186 $\pm$ 128.447 χ^2 /NDF: 75.9/55

asym_sam_1548_avg_rms vs Slug



Right In: 812.429+/-0.159 χ^2/NDF : 5402960.2/26

Left Out: 687.243+/-0.112 χ^2/NDF : 727994.0/24

Right Out: 788.517+/-0.148 χ^2/NDF : 7470229.7/32

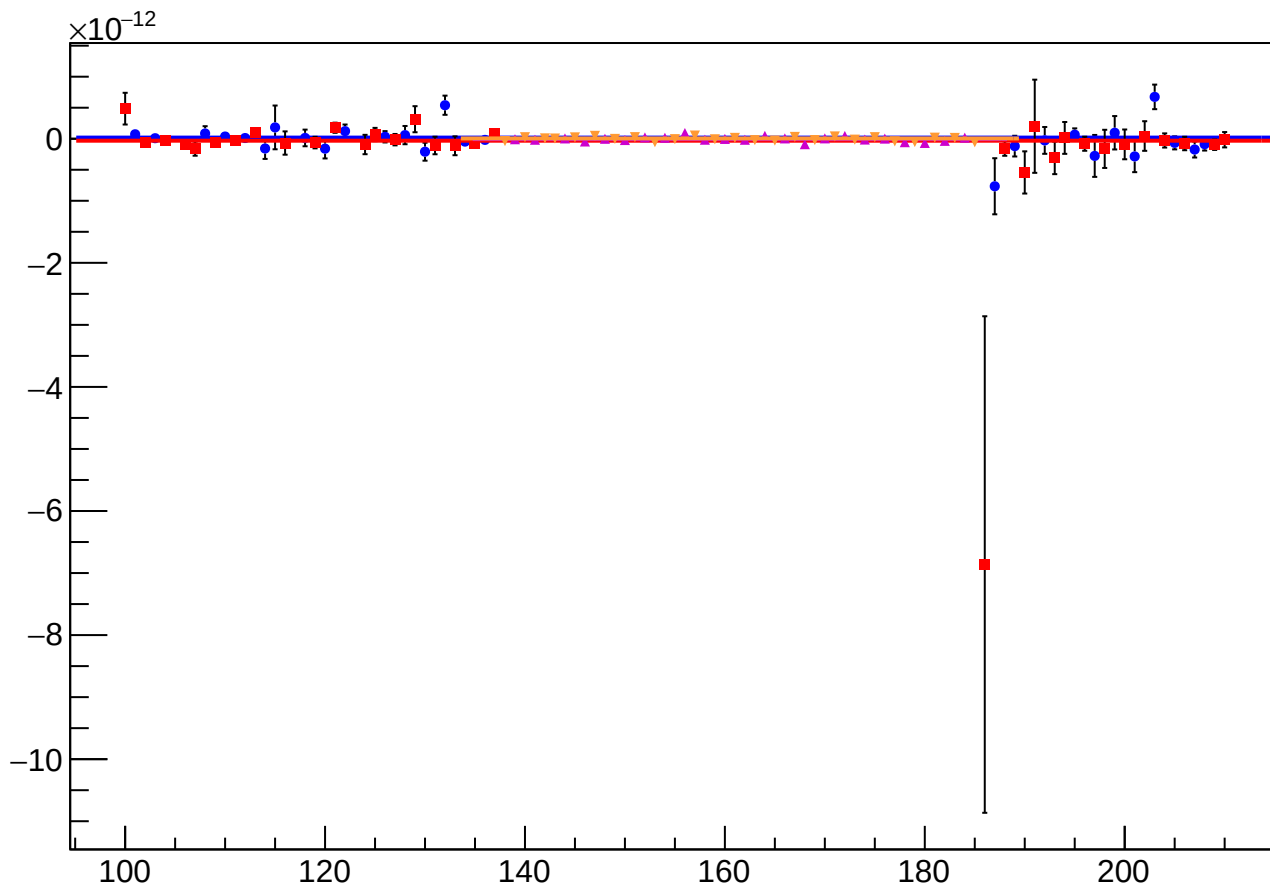
Left In: 689.997+/-0.115 χ^2/NDF : 567089.0/22

+ sign 728.571+/-0.092 χ^2/NDF : 6544703.7/51

All: 727.904+/-0.064 χ^2/NDF : 14858798.6/10

- sign 727.248+/-0.091 χ^2/NDF : 8313989.7/55

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.9/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:22.0/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.9/32

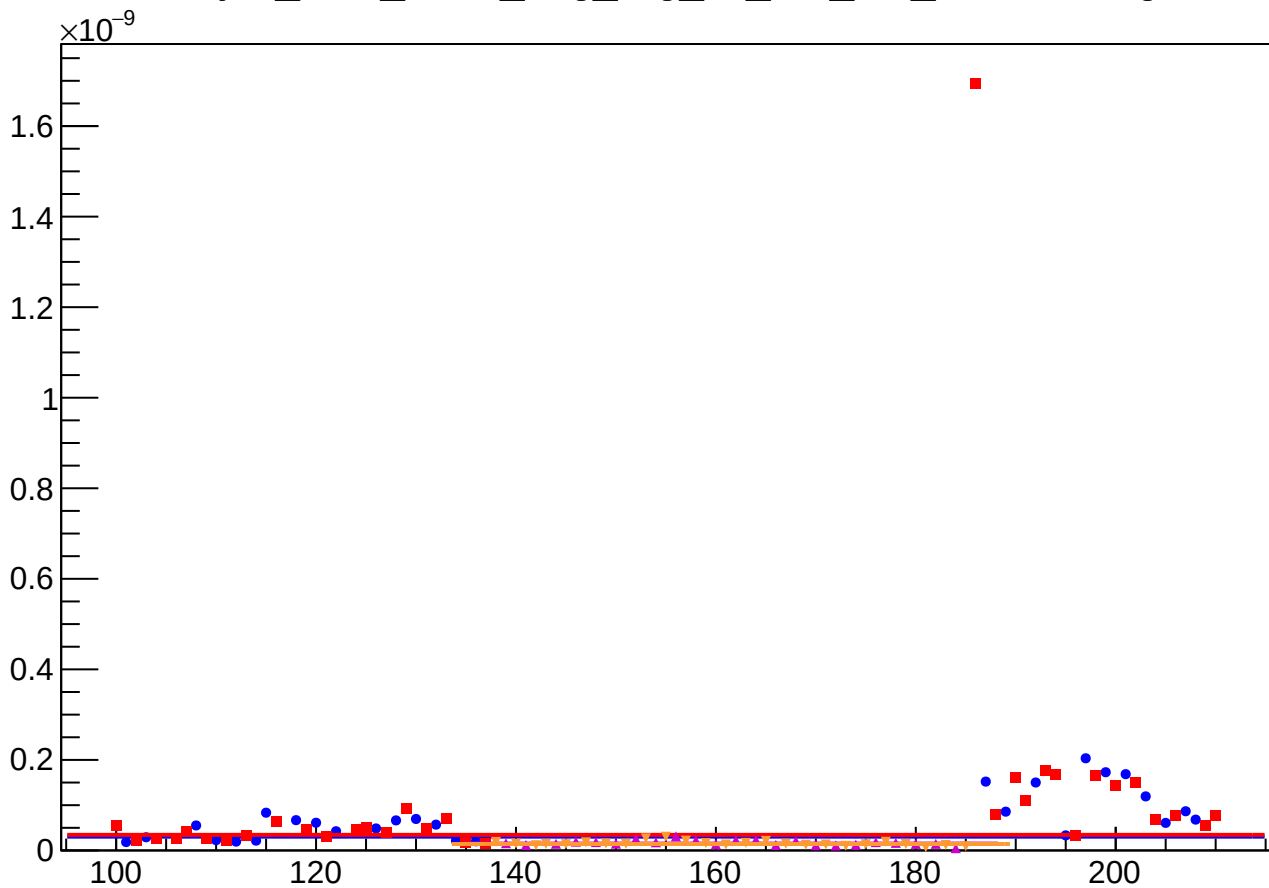
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:26.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67.6/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 135.8/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 63.8/55

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5427676.0/26

Left Out: 0.000+/-0.000 χ^2/NDF : 992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5457813.6/32

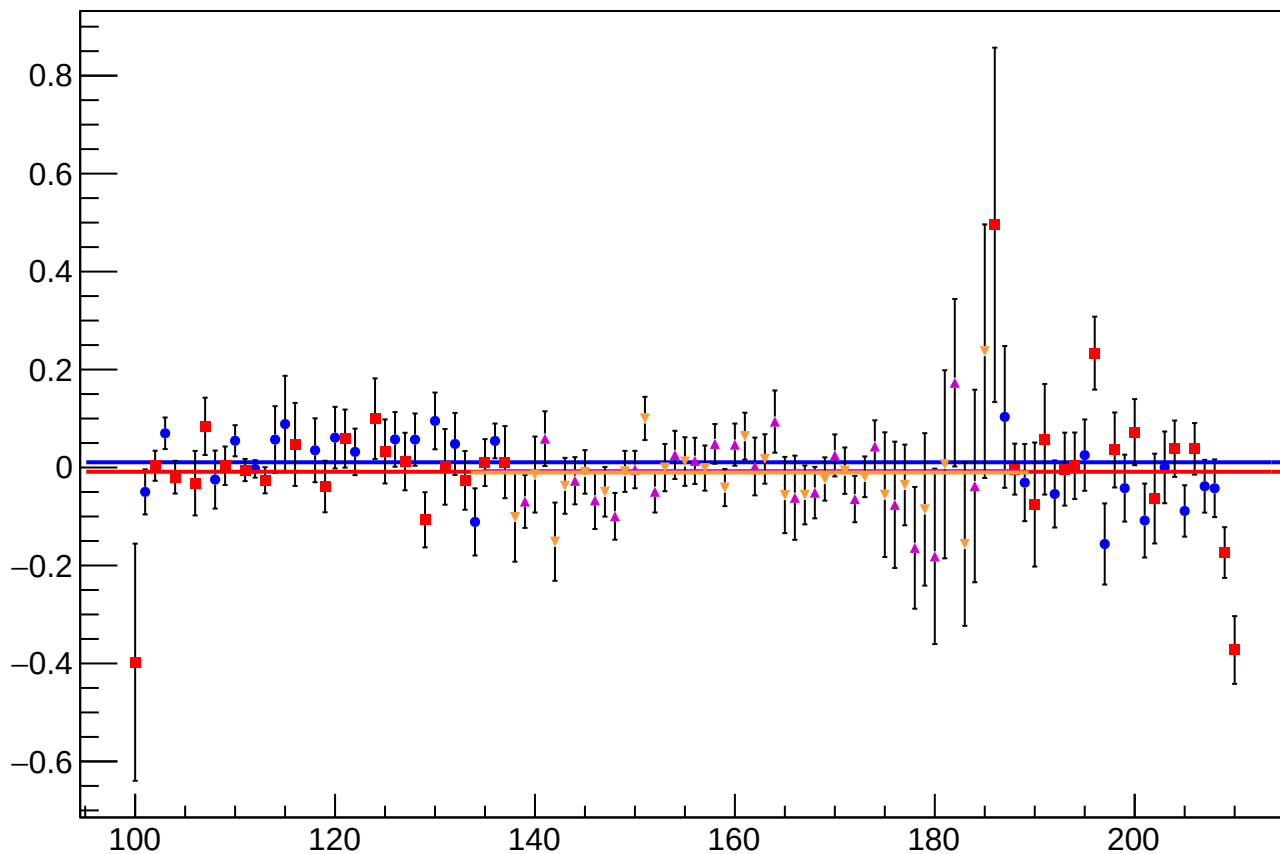
Left In: 0.000+/-0.000 χ^2/NDF : 1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 8619252.8/51

All: 0.000+/-0.000 χ^2/NDF : 18044524.8/107

- sign 0.000+/-0.000 χ^2/NDF : 9357501.2/55

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 ± 0.009 χ^2/NDF : 32.6/26

Left Out: -0.010 ± 0.011 χ^2/NDF : 18.1/24

Right Out: -0.009 ± 0.009 χ^2/NDF : 68.4/32

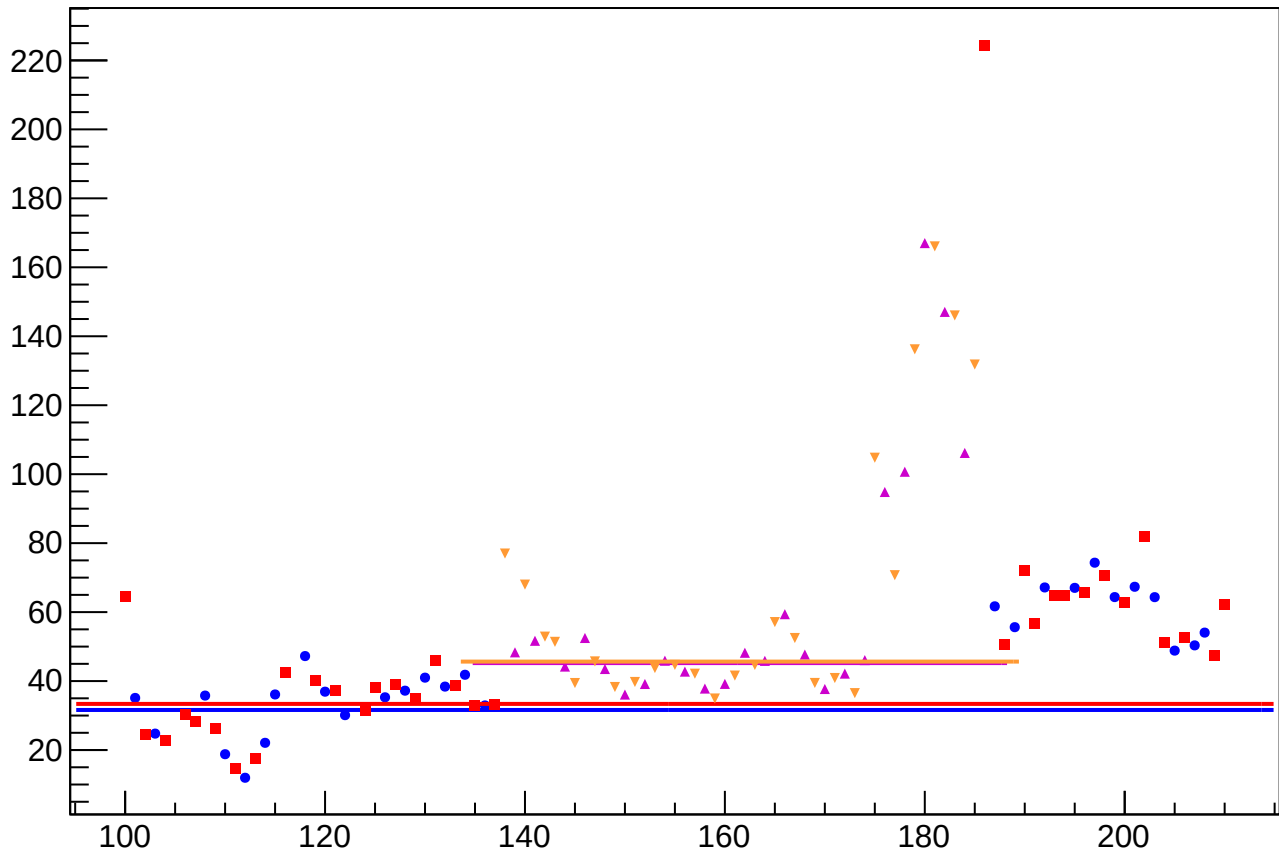
Left In: -0.008 ± 0.011 χ^2/NDF : 23.3/22

+ sign 0.002 ± 0.007 χ^2/NDF : 52.8/51

All: -0.003 ± 0.005 χ^2/NDF : 145.5/107

- sign -0.008 ± 0.007 χ^2/NDF : 91.7/55

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.618+/-0.007 χ^2/NDF : 7055783.3/26

Left Out: 45.650+/-0.008 χ^2/NDF : 4015230.2/24

Right Out: 33.378+/-0.006 χ^2/NDF : 7325243.3/32

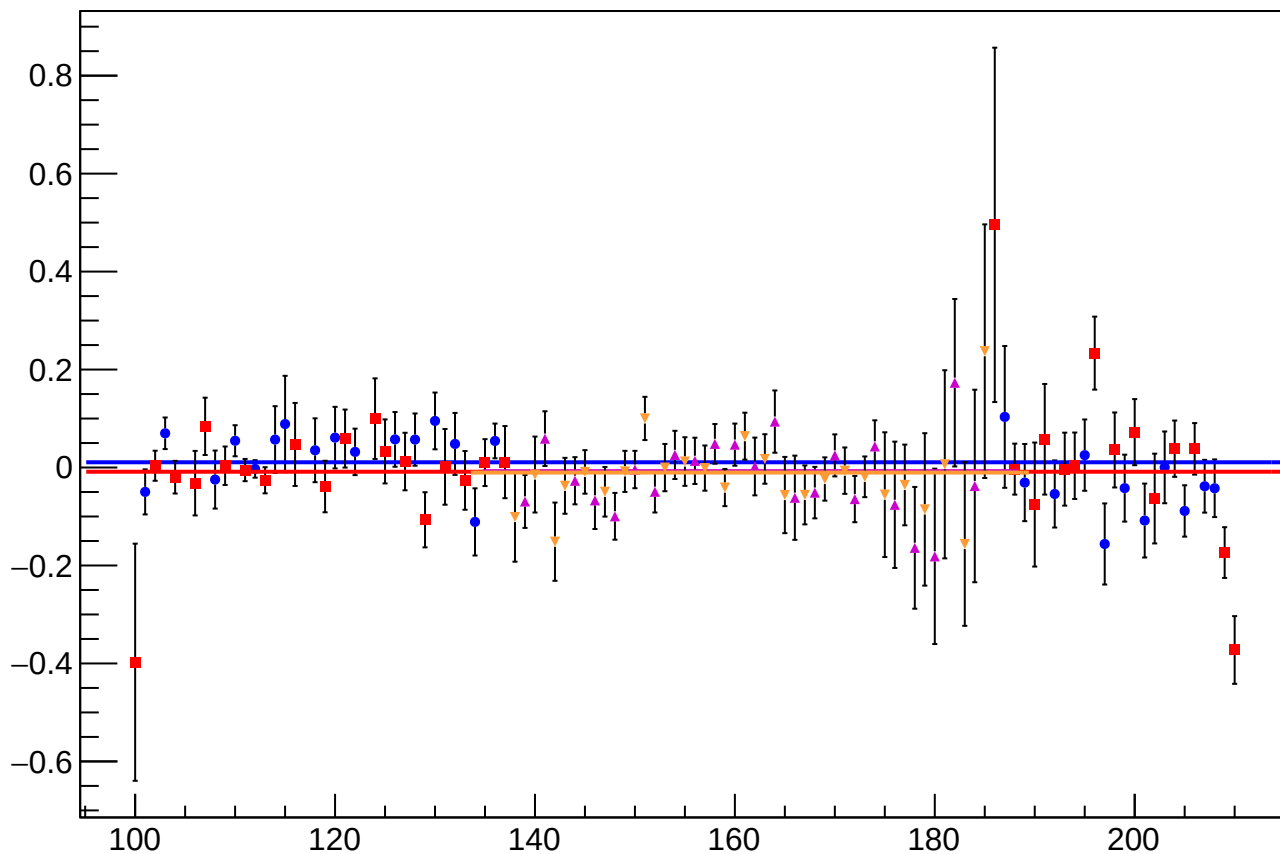
Left In: 45.217+/-0.008 χ^2/NDF : 2992534.4/22

+ sign 37.273+/-0.005 χ^2/NDF : 12920281.8/51

All: 37.615+/-0.004 χ^2/NDF : 24567260.1/107

- sign 37.951+/-0.005 χ^2/NDF : 11637918.8/55

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 ± 0.009 χ^2/NDF : 32.6/26

Left Out: -0.010 ± 0.011 χ^2/NDF : 18.1/24

Right Out: -0.009 ± 0.009 χ^2/NDF : 68.4/32

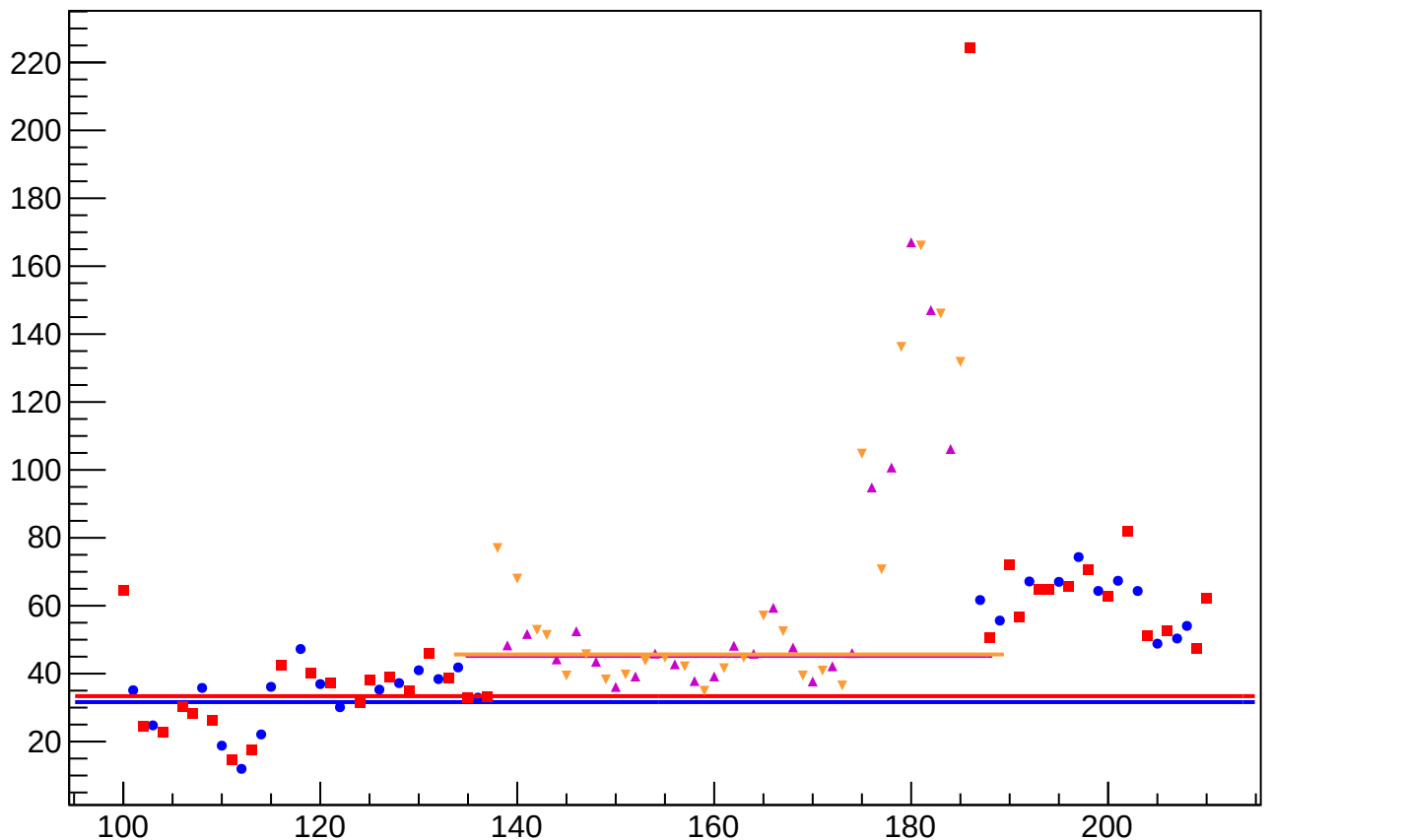
Left In: -0.008 ± 0.011 χ^2/NDF : 23.3/22

+ sign 0.002 ± 0.007 χ^2/NDF : 52.8/51

All: -0.003 ± 0.005 χ^2/NDF : 145.5/107

- sign -0.008 ± 0.007 χ^2/NDF : 91.7/55

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.618 $\pm$ 0.007 χ^2 /NDF: 7055783.3/26

Left Out: 45.650 $\pm$ 0.008 χ^2 /NDF: 4015230.2/24

Right Out: 33.378 $\pm$ 0.006 χ^2 /NDF: 7325243.3/32

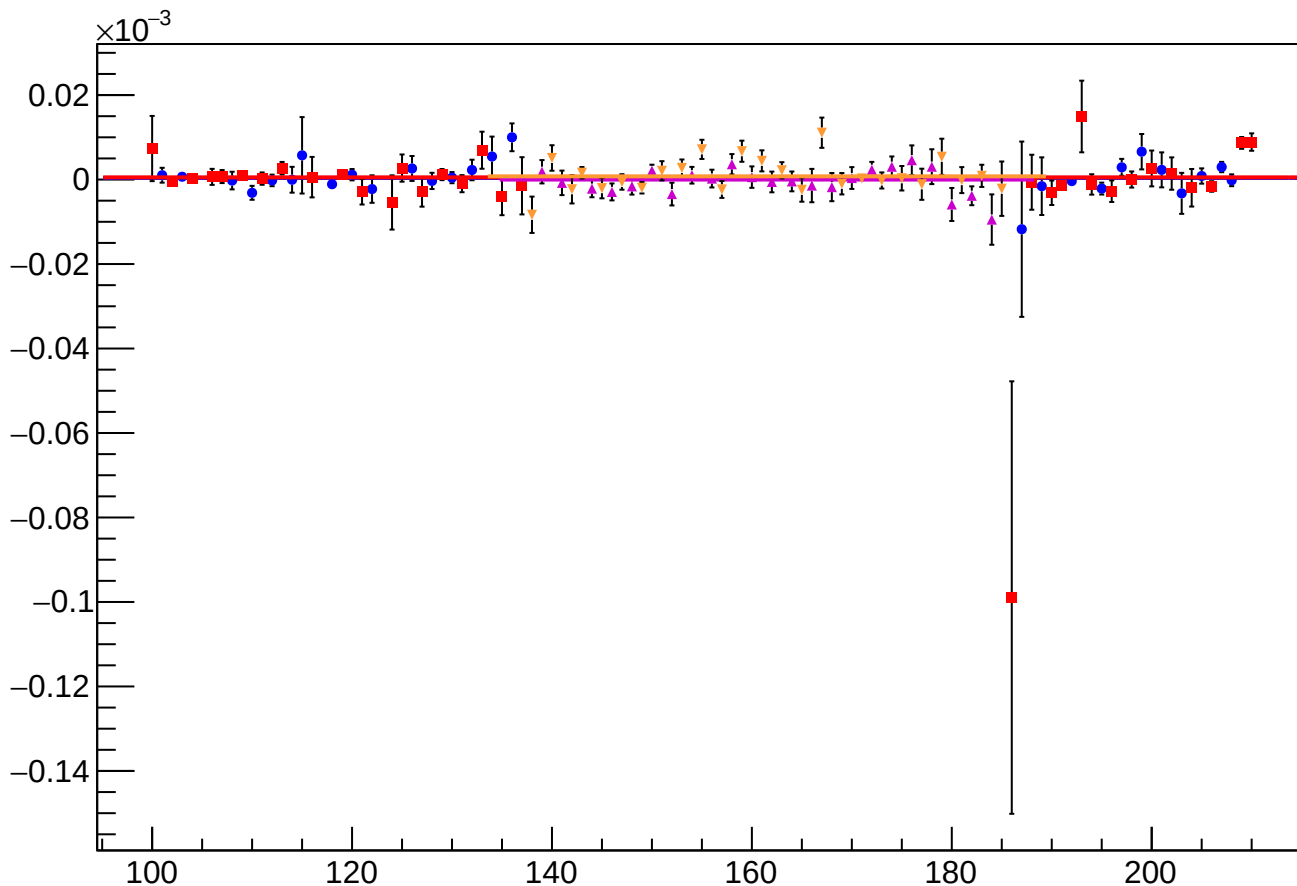
Left In: 45.217 $\pm$ 0.008 χ^2 /NDF: 2992534.4/22

+ sign 37.273 $\pm$ 0.005 χ^2 /NDF: 12920281.8/51

All: 37.615 $\pm$ 0.004 χ^2 /NDF: 24567260.1/107

- sign 37.951 $\pm$ 0.005 χ^2 /NDF: 11637918.8/55

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:46.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 82.9/32

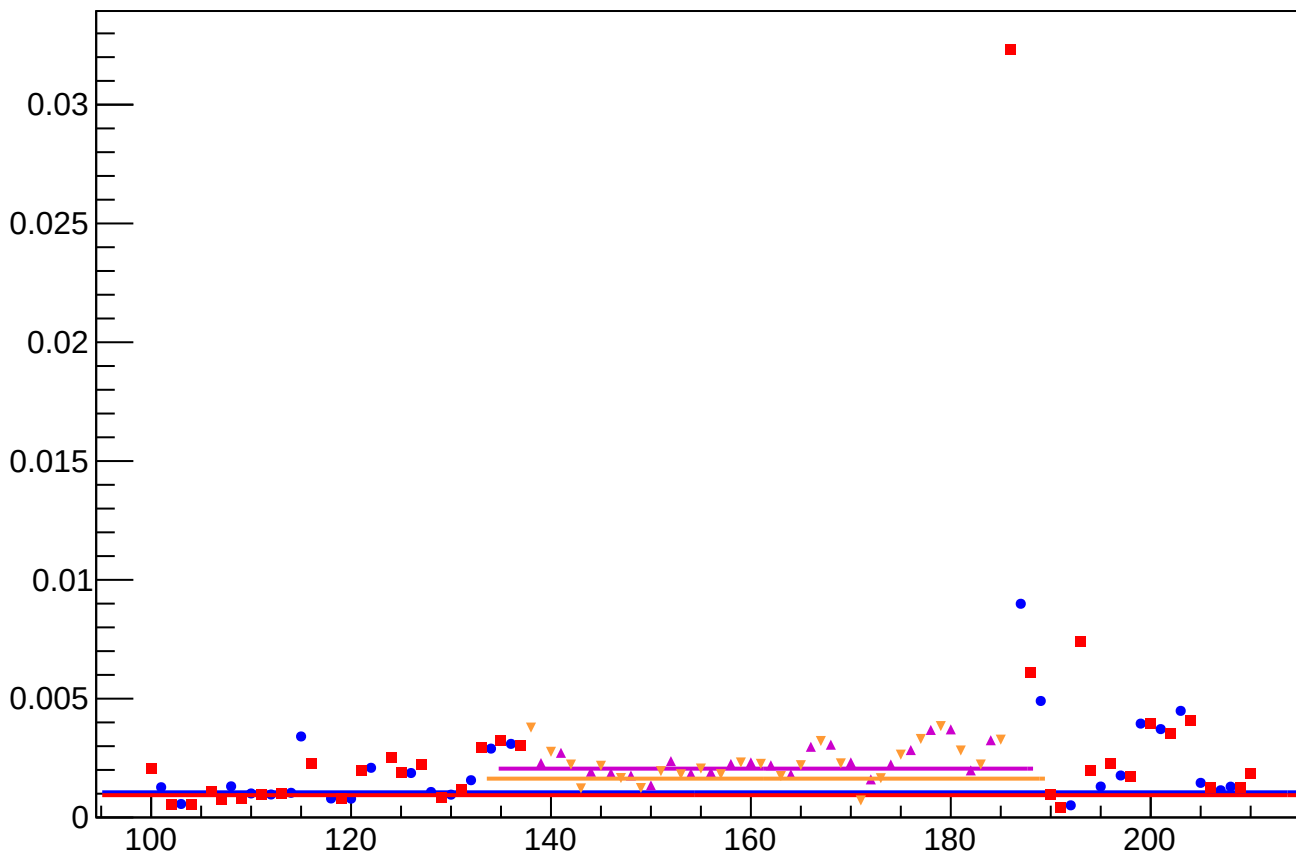
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:24.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 79.4/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 187.7/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 108.2/55

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 7512250.8/26

Left Out: 0.002+/-0.000 χ^2/NDF : 6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF : 12437819.9/32

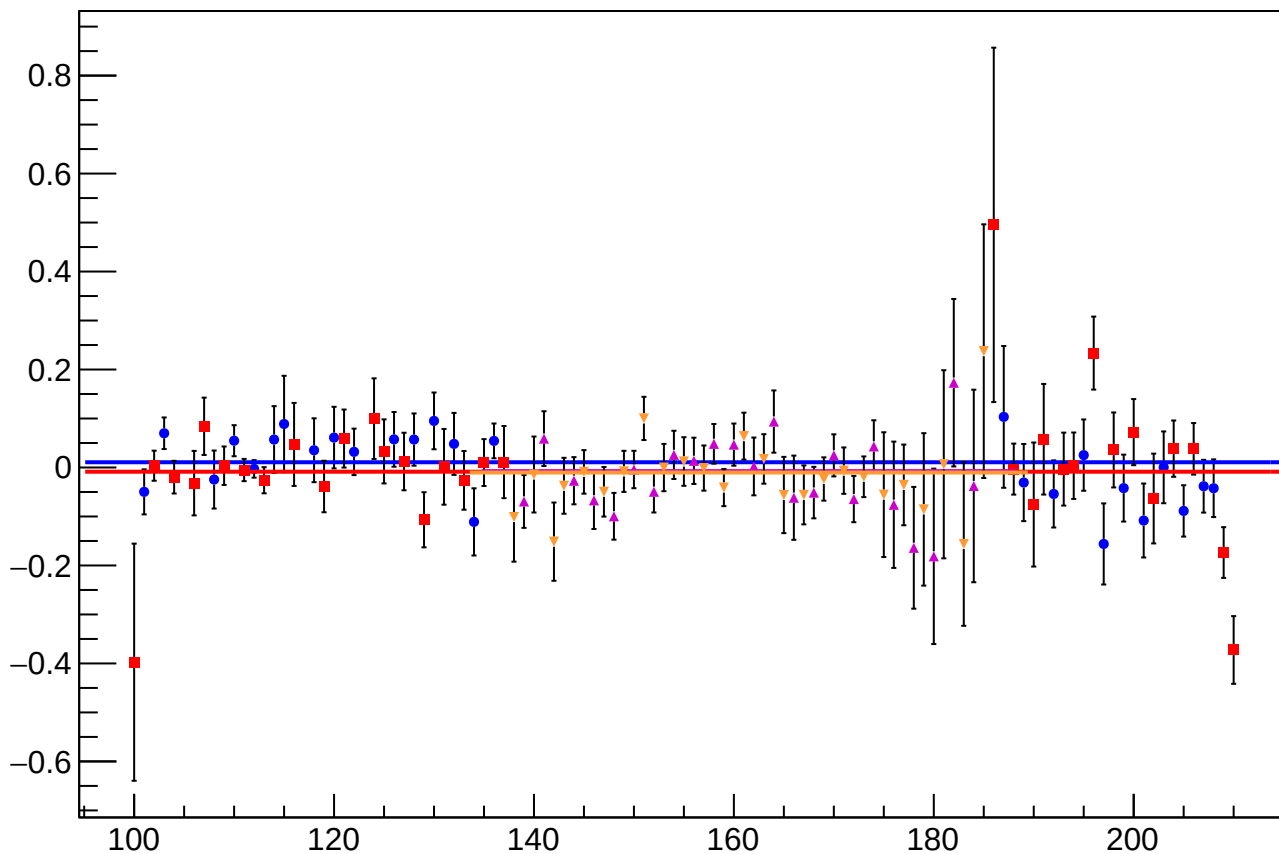
Left In: 0.002+/-0.000 χ^2/NDF : 2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 16422129.1/51

All: 0.001+/-0.000 χ^2/NDF : 38565542.3/107

- sign 0.001+/-0.000 χ^2/NDF : 22062993.6/55

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 ± 0.009 χ^2/NDF : 32.6/26

Left Out: -0.010 ± 0.011 χ^2/NDF : 18.1/24

Right Out: -0.009 ± 0.009 χ^2/NDF : 68.4/32

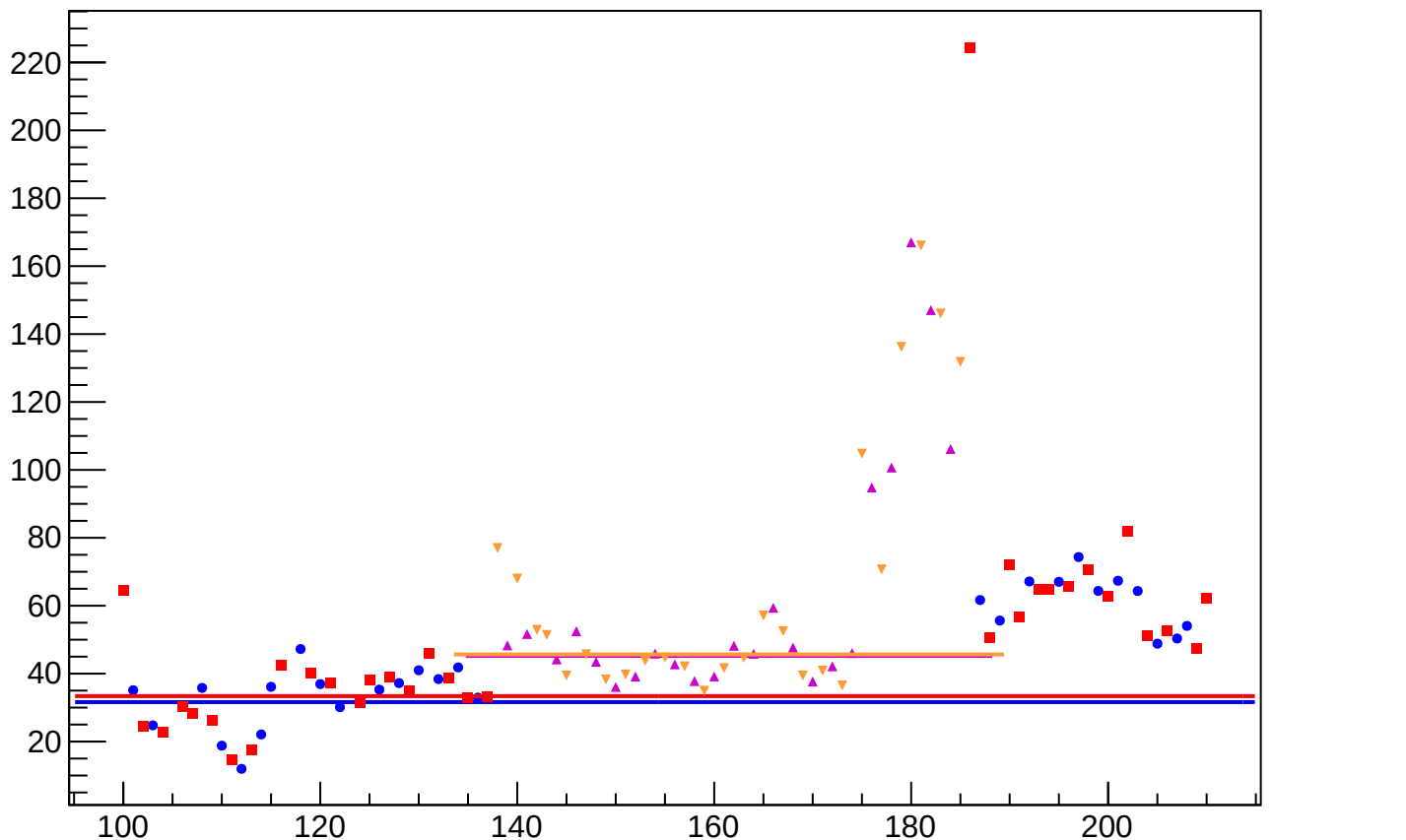
Left In: -0.008 ± 0.011 χ^2/NDF : 23.3/22

+ sign 0.002 ± 0.007 χ^2/NDF : 52.8/51

All: -0.003 ± 0.005 χ^2/NDF : 145.5/107

- sign -0.008 ± 0.007 χ^2/NDF : 91.7/55

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.618 $\pm$ 0.007 χ^2 /NDF: 7056055.4/26

Left Out: 45.651 $\pm$ 0.008 χ^2 /NDF: 4015154.4/24

Right Out: 33.377 $\pm$ 0.006 χ^2 /NDF: 7325499.7/32

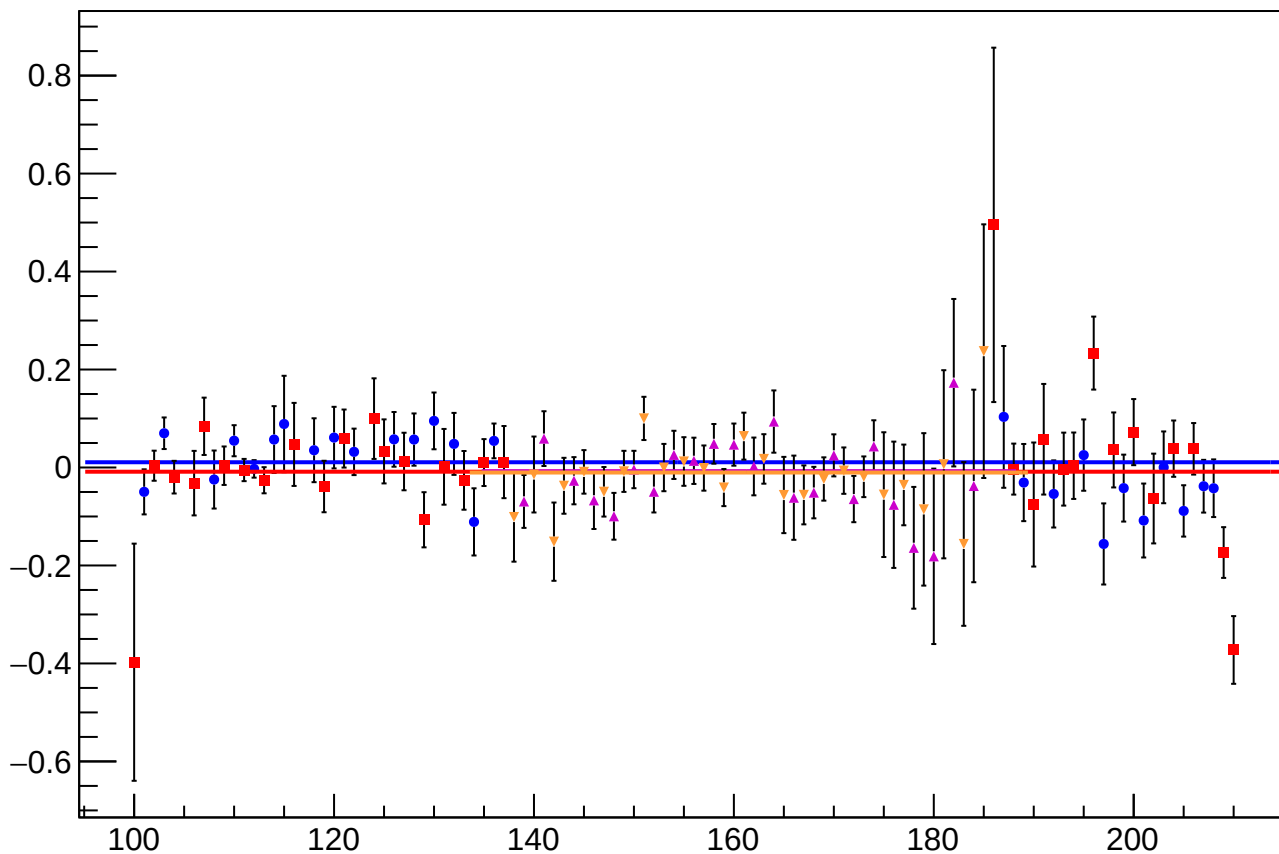
Left In: 45.218 $\pm$ 0.008 χ^2 /NDF: 2992449.1/22

+ sign 37.273 $\pm$ 0.005 χ^2 /NDF: 12920746.6/51

All: 37.615 $\pm$ 0.004 χ^2 /NDF: 24568091.5/107

- sign 37.951 $\pm$ 0.005 χ^2 /NDF: 11638281.2/55

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.009 χ^2 /NDF: 32.6/26

Left Out: -0.010 $\pm$ 0.011 χ^2 /NDF: 18.1/24

Right Out: -0.009 $\pm$ 0.009 χ^2 /NDF: 68.4/32

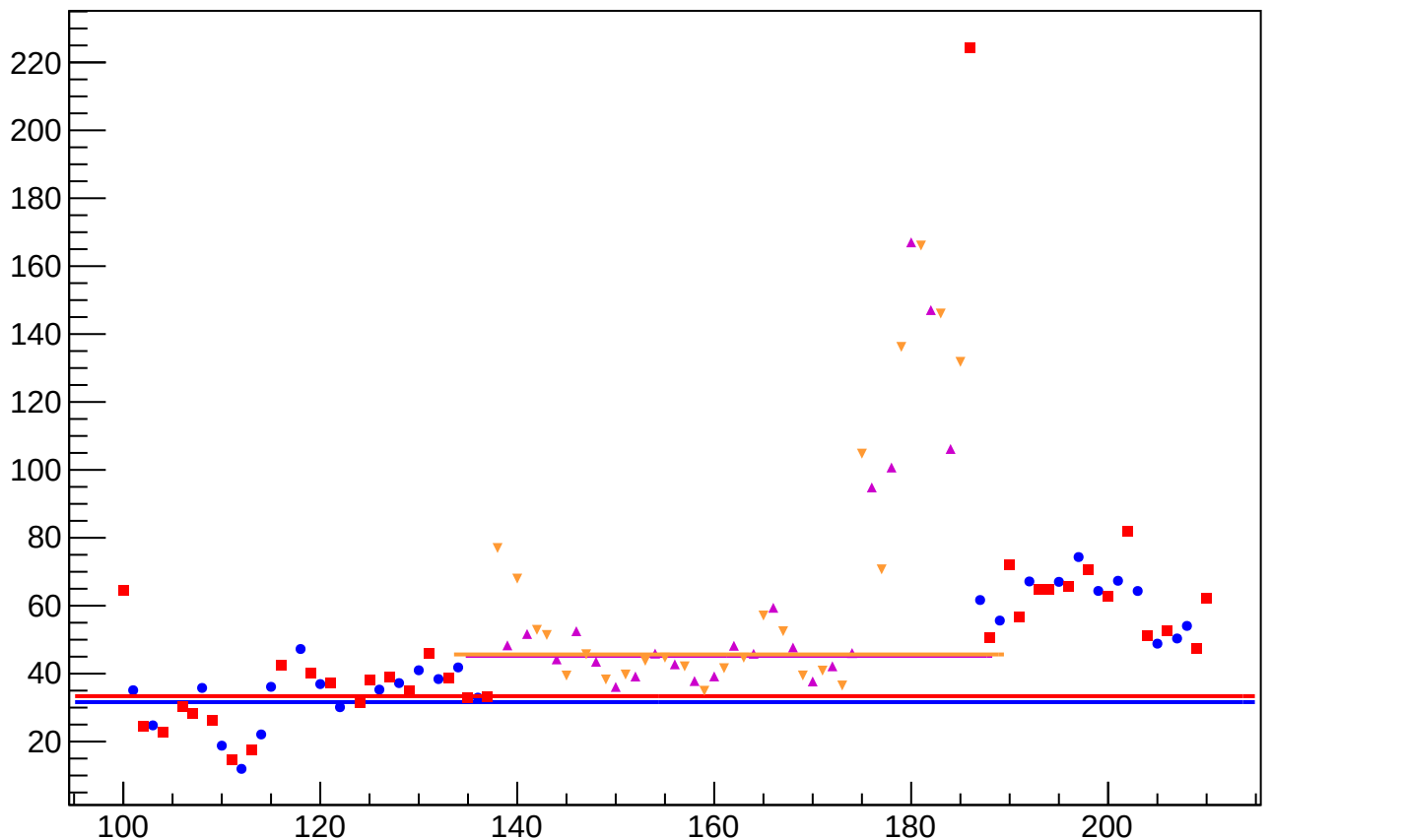
Left In: -0.008 $\pm$ 0.011 χ^2 /NDF: 23.3/22

+ sign 0.002 $\pm$ 0.007 χ^2 /NDF: 52.8/51

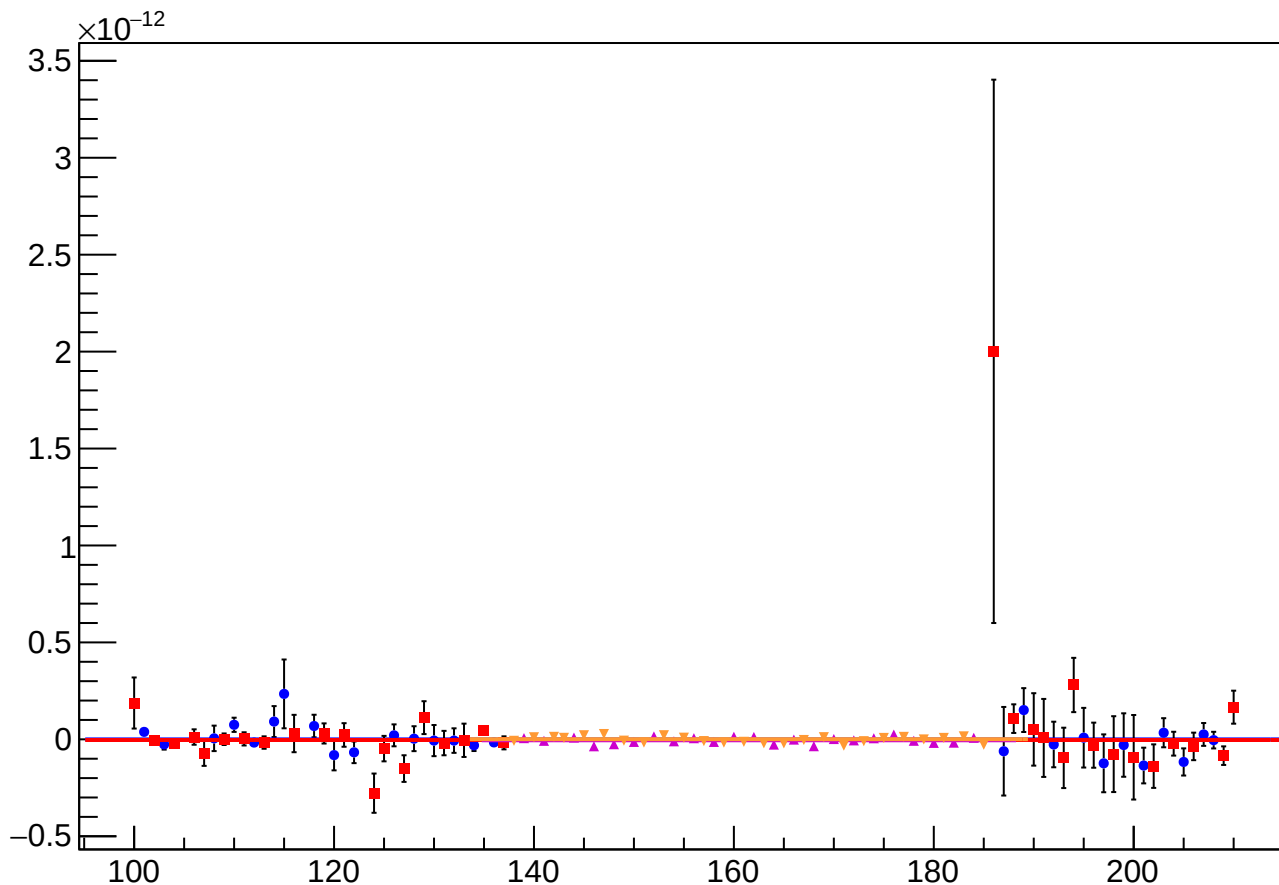
All: -0.003 $\pm$ 0.005 χ^2 /NDF: 145.5/107

- sign -0.008 $\pm$ 0.007 χ^2 /NDF: 91.7/55

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25.4/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 41.2/32

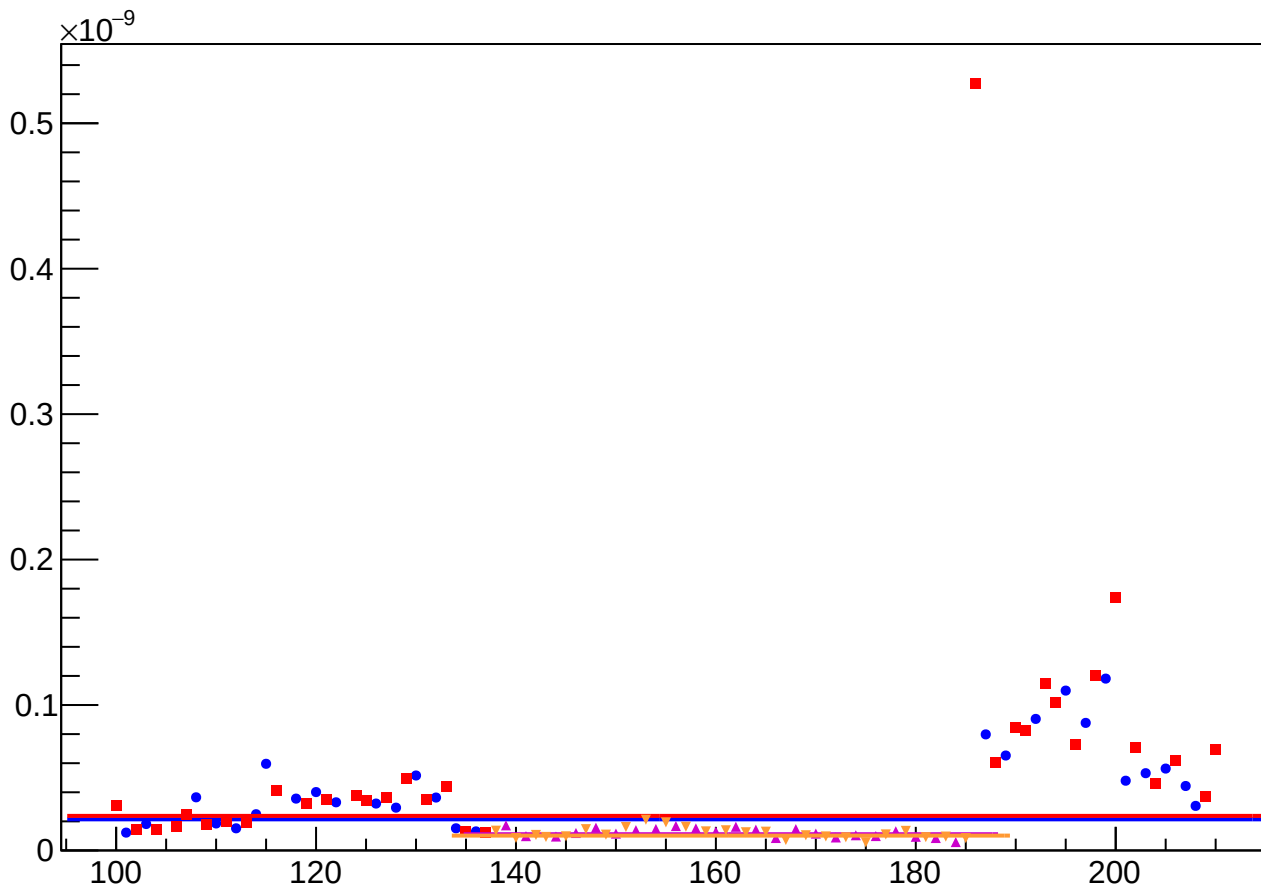
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:23.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.1/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 118.7/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 64.9/55

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6503842.3/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8308920.2/32

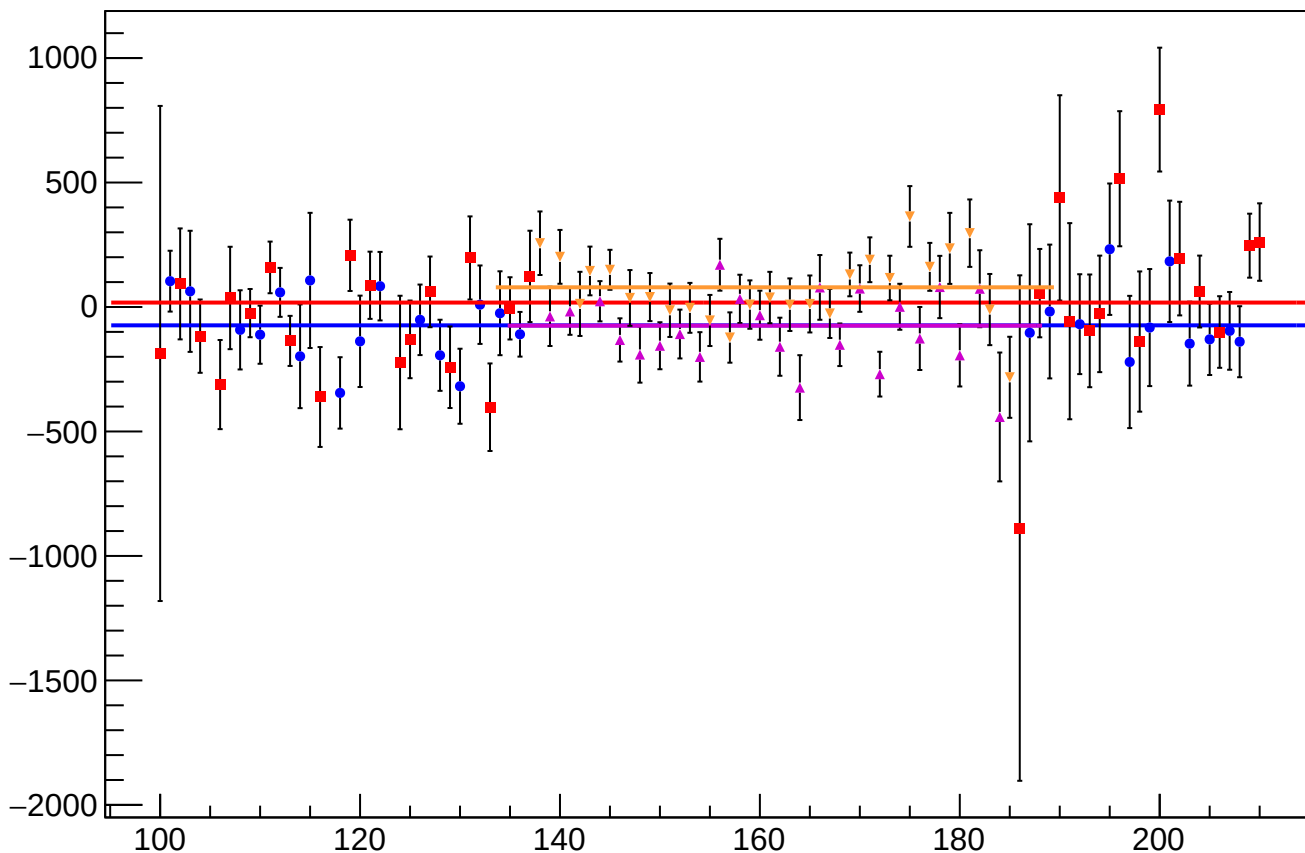
Left In: 0.000+/-0.000 χ^2/NDF : 1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 12071321.0/51

All: 0.000+/-0.000 χ^2/NDF : 25885753.8/107

- sign 0.000+/-0.000 χ^2/NDF : 13633884.1/55

reg_asym_sam_3748_avg_mean vs Slug



Right In: -73.693 ± 30.261 χ^2/NDF : 17.4/26

Left Out: 79.098 ± 21.102 χ^2/NDF : 32.0/24

Right Out: 17.793 ± 28.923 χ^2/NDF : 48.5/32

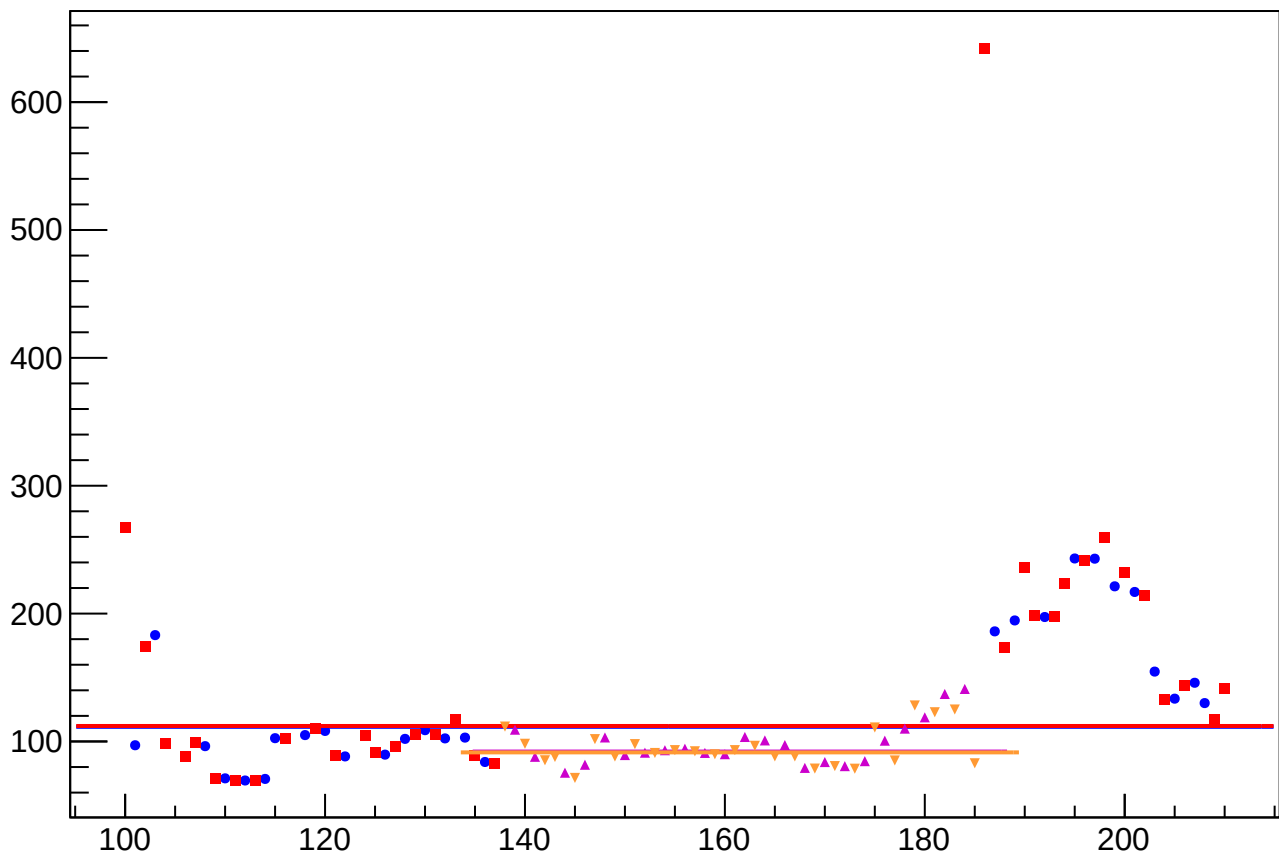
Left In: -75.048 ± 21.837 χ^2/NDF : 32.6/22

+ sign 29.108 ± 17.309 χ^2/NDF : 66.6/51

All: -5.876 ± 12.281 χ^2/NDF : 162.5/107

- sign -41.341 ± 17.428 χ^2/NDF : 87.7/55

reg_asym_sam_3748_avg_rms vs Slug



Right In: 111.471+/-0.021 χ^2/NDF : 3943820.9/26

Left Out: 91.462+/-0.015 χ^2/NDF : 751213.9/24

Right Out: 112.100+/-0.020 χ^2/NDF : 5462590.1/32

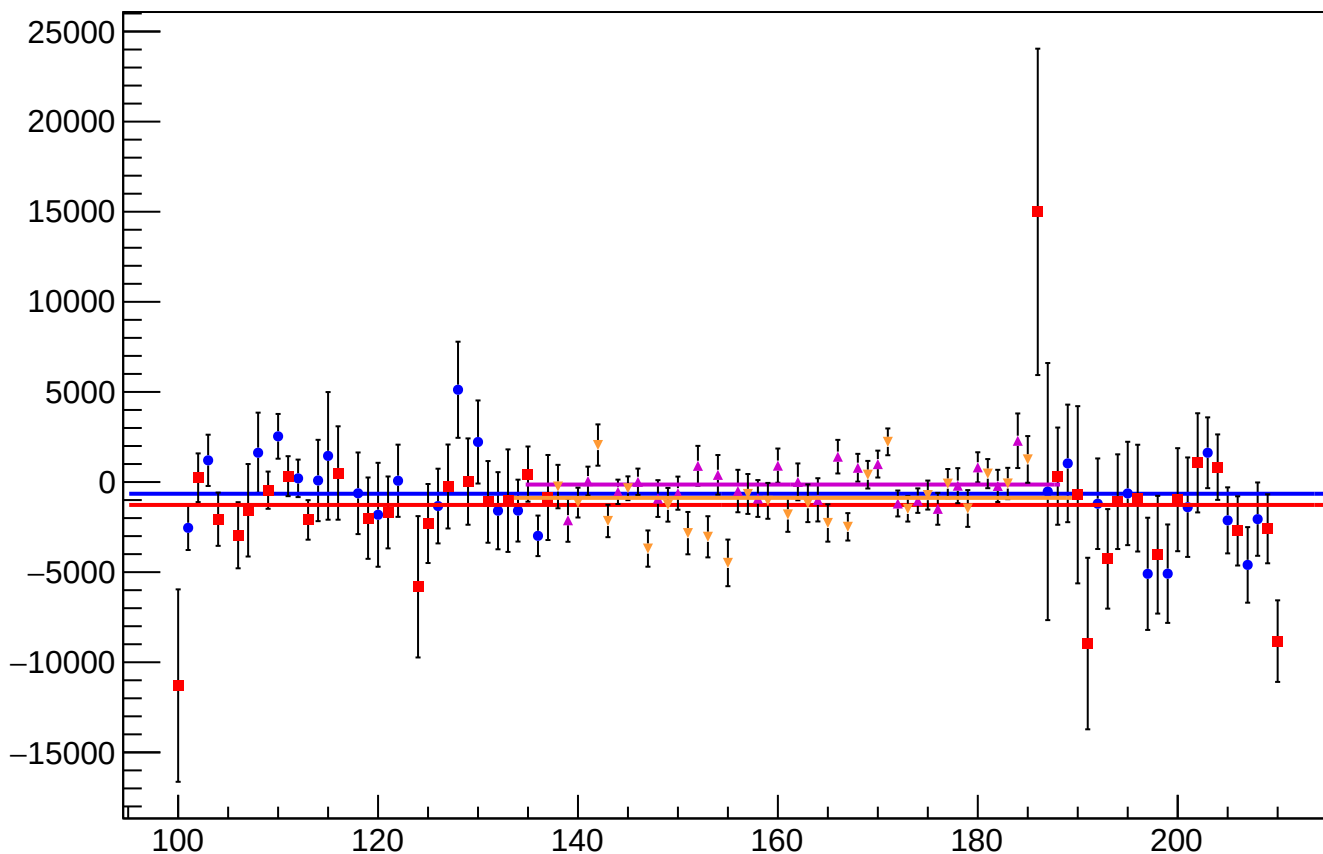
Left In: 92.100+/-0.015 χ^2/NDF : 699590.1/22

+ sign 98.008+/-0.012 χ^2/NDF : 5283362.6/51

All: 98.680+/-0.009 χ^2/NDF : 12060686.9/107

- sign 99.362+/-0.012 χ^2/NDF : 6771253.7/55

asym_sam_3748_avg_reg_correction_mean vs Slug



Right In: -649.587 $\pm$ 365.917 χ^2 /NDF: 35.3/26

Left Out: -878.463 $\pm$ 182.188 χ^2 /NDF:67.7/24

Right Out: -1270.174 $\pm$ 348.364 χ^2 /NDF: 35.5/32

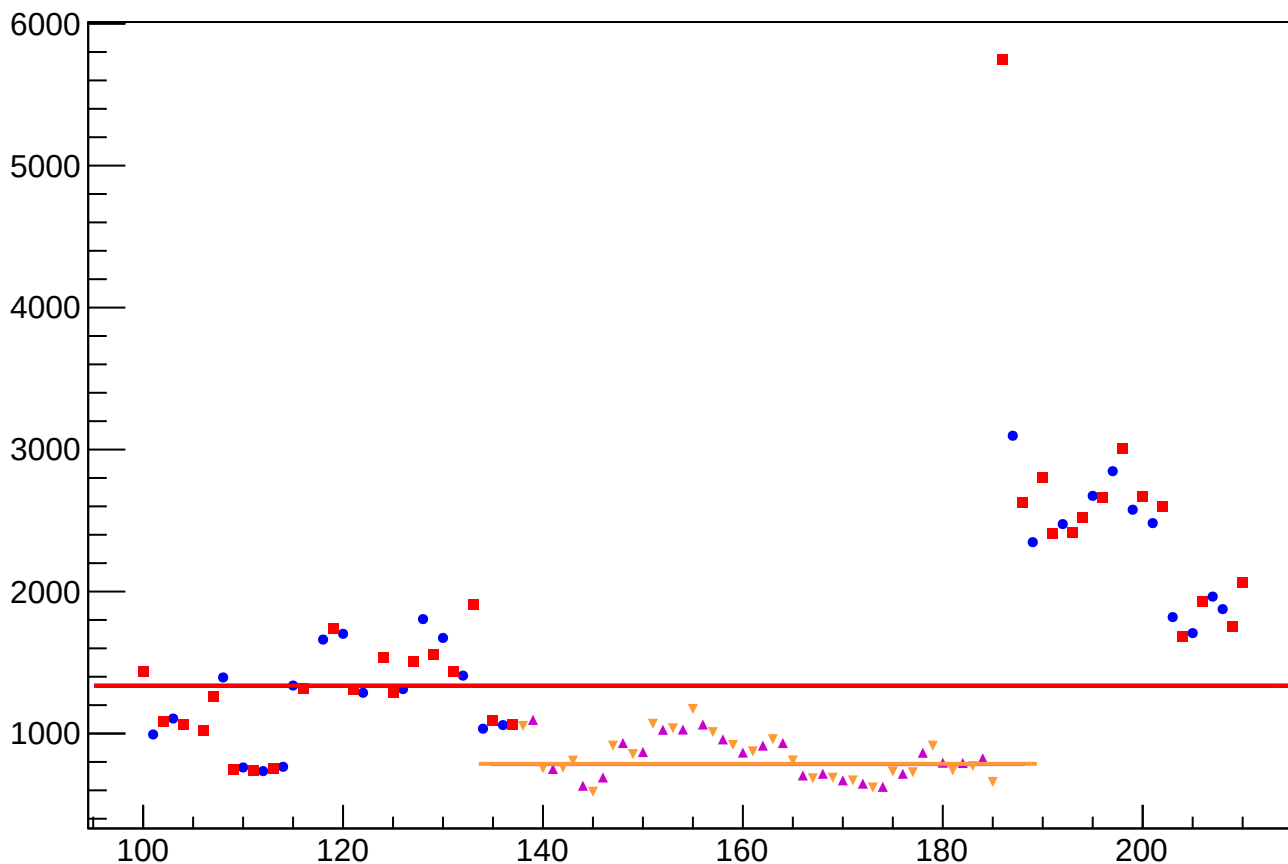
Left In: -138.728 $\pm$ 186.573 χ^2 /NDF:24.2/22

+ sign -832.996 $\pm$ 163.091 χ^2 /NDF: 103.4/51

All: -613.823 $\pm$ 115.807 χ^2 /NDF: 174.9/107

- sign -390.927 $\pm$ 164.470 χ^2 /NDF: 67.9/55

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1336.156+/-0.259 χ^2/NDF : 4711950.2/26

Left Out: 786.758+/-0.129 χ^2/NDF : 1210893.0/24

Right Out: 1337.669+/-0.246 χ^2/NDF : 6509192.8/32

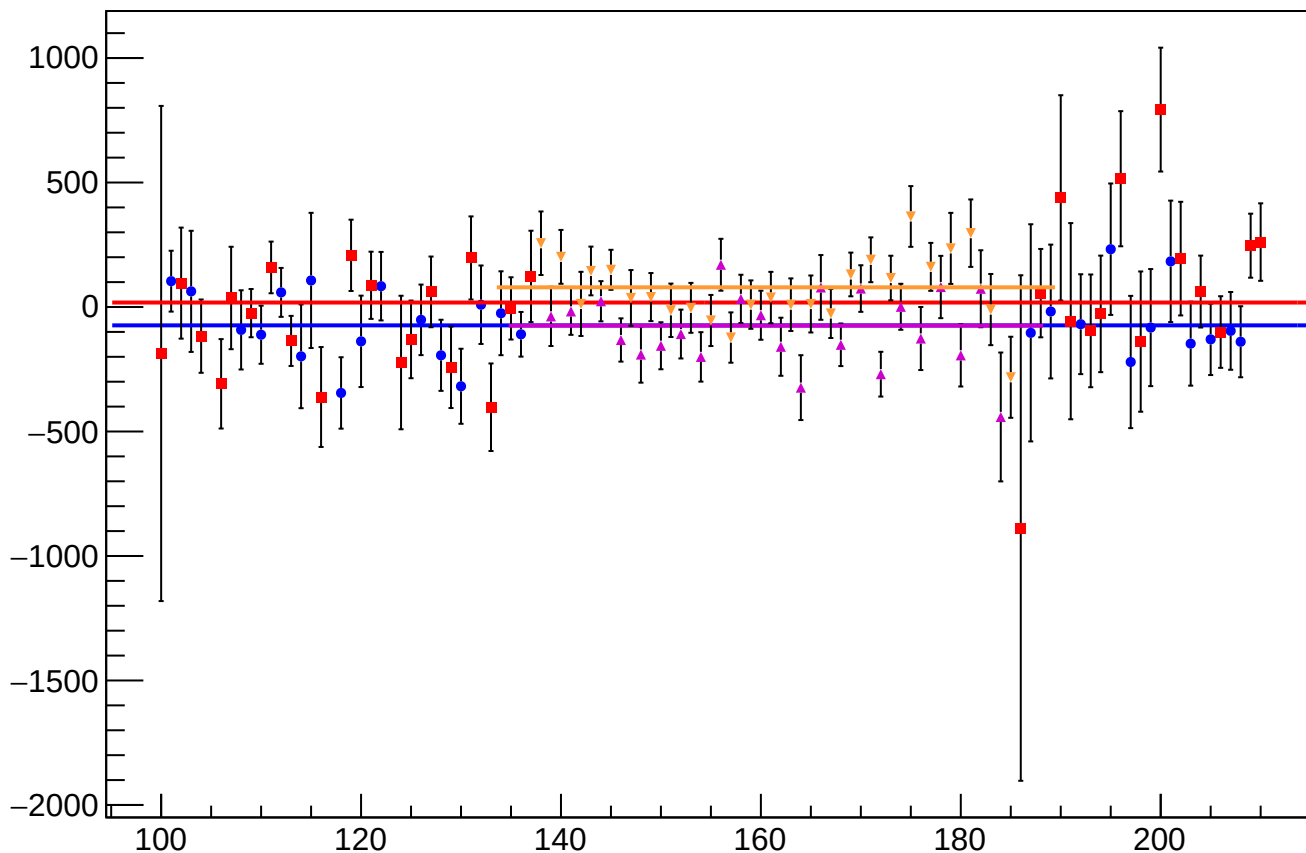
Left In: 784.833+/-0.132 χ^2/NDF : 1063747.2/22

+ sign 895.897+/-0.115 χ^2/NDF : 9535769.3/51

All: 901.928+/-0.082 χ^2/NDF : 21028341.9/10

- sign 908.060+/-0.116 χ^2/NDF : 11487057.6/55

cor_asym_sam_3748_avg_mean vs Slug



Right In: -73.705 ± 30.261 $\chi^2/\text{NDF}: 17.4/26$

Left Out: 79.106 ± 21.102 $\chi^2/\text{NDF}: 32.0/24$

Right Out: 17.978 ± 28.926 $\chi^2/\text{NDF}: 48.4/32$

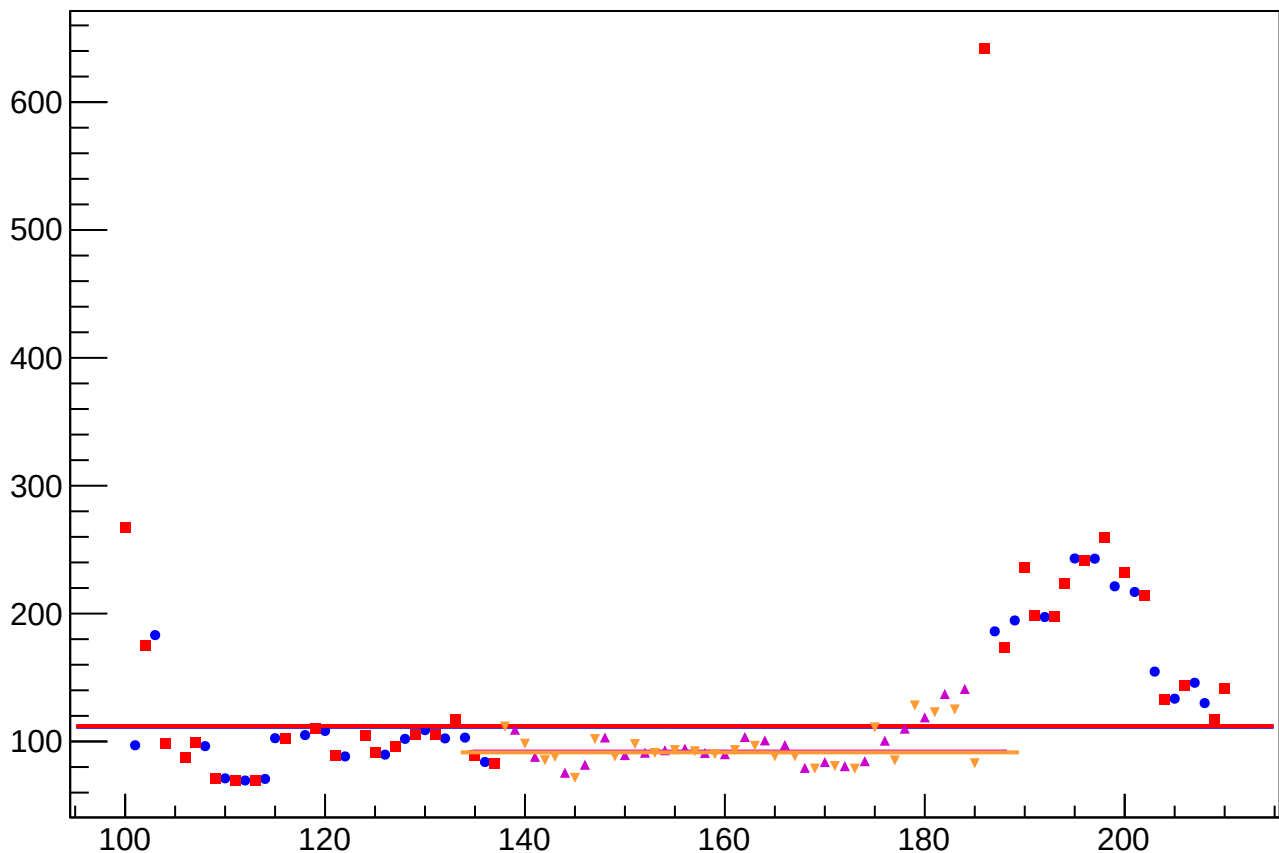
Left In: -75.049 ± 21.837 $\chi^2/\text{NDF}: 32.6/22$

+ sign 29.110 ± 17.309 $\chi^2/\text{NDF}: 66.6/51$

All: -5.843 ± 12.281 $\chi^2/\text{NDF}: 162.4/107$

- sign -41.278 ± 17.428 $\chi^2/\text{NDF}: 87.6/55$

cor_asym_sam_3748_avg_rms vs Slug



Right In: 111.471 $\pm$ 0.021 χ^2 /NDF: 3943823.9/26

Left Out: 91.462 $\pm$ 0.015 χ^2 /NDF: 751213.9/24

Right Out: 112.070 $\pm$ 0.020 χ^2 /NDF: 5466532.5/32

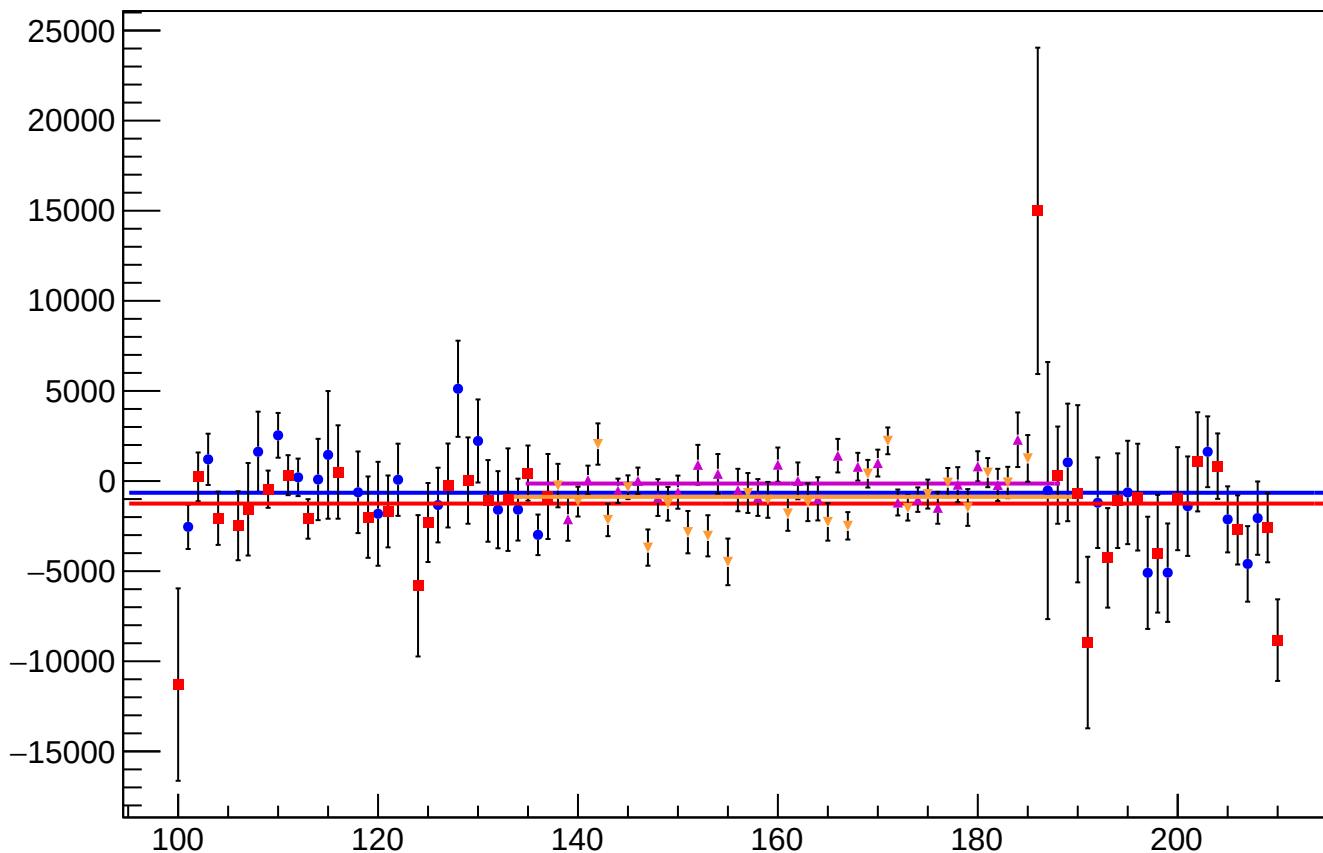
Left In: 92.100 $\pm$ 0.015 χ^2 /NDF: 699590.1/22

+ sign 98.008 $\pm$ 0.012 χ^2 /NDF: 5283365.8/51

All: 98.674 $\pm$ 0.009 χ^2 /NDF: 12062634.0/107

- sign 99.350 $\pm$ 0.012 χ^2 /NDF: 6773302.3/55

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -649.606+/-365.920 χ^2/NDF : 35.3/26

Left Out: -878.453+/-182.188 χ^2/NDF : 67.7/24

Right Out: -1250.133+/-348.894 χ^2/NDF : 35.1/32

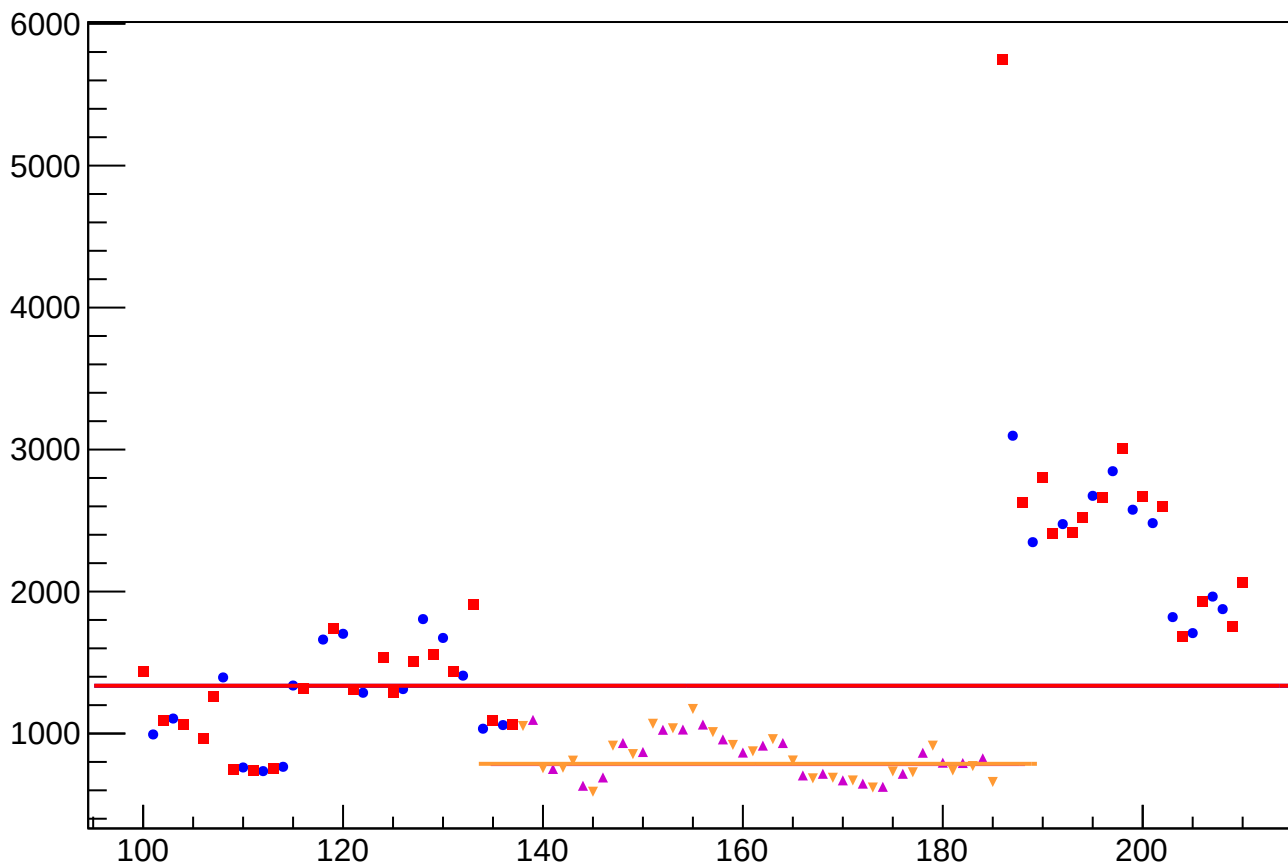
Left In: -138.730+/-186.573 χ^2/NDF : 24.2/22

+ sign -832.993+/-163.091 χ^2/NDF : 103.4/51

All: -611.393+/-115.827 χ^2/NDF : 174.2/107

- sign -385.876+/-164.526 χ^2/NDF : 67.1/55

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1336.166+/-0.259 χ^2/NDF : 4711894.8/26

Left Out: 786.758+/-0.129 χ^2/NDF : 1210893.0/24

Right Out: 1336.781+/-0.247 χ^2/NDF : 6525139.7/32

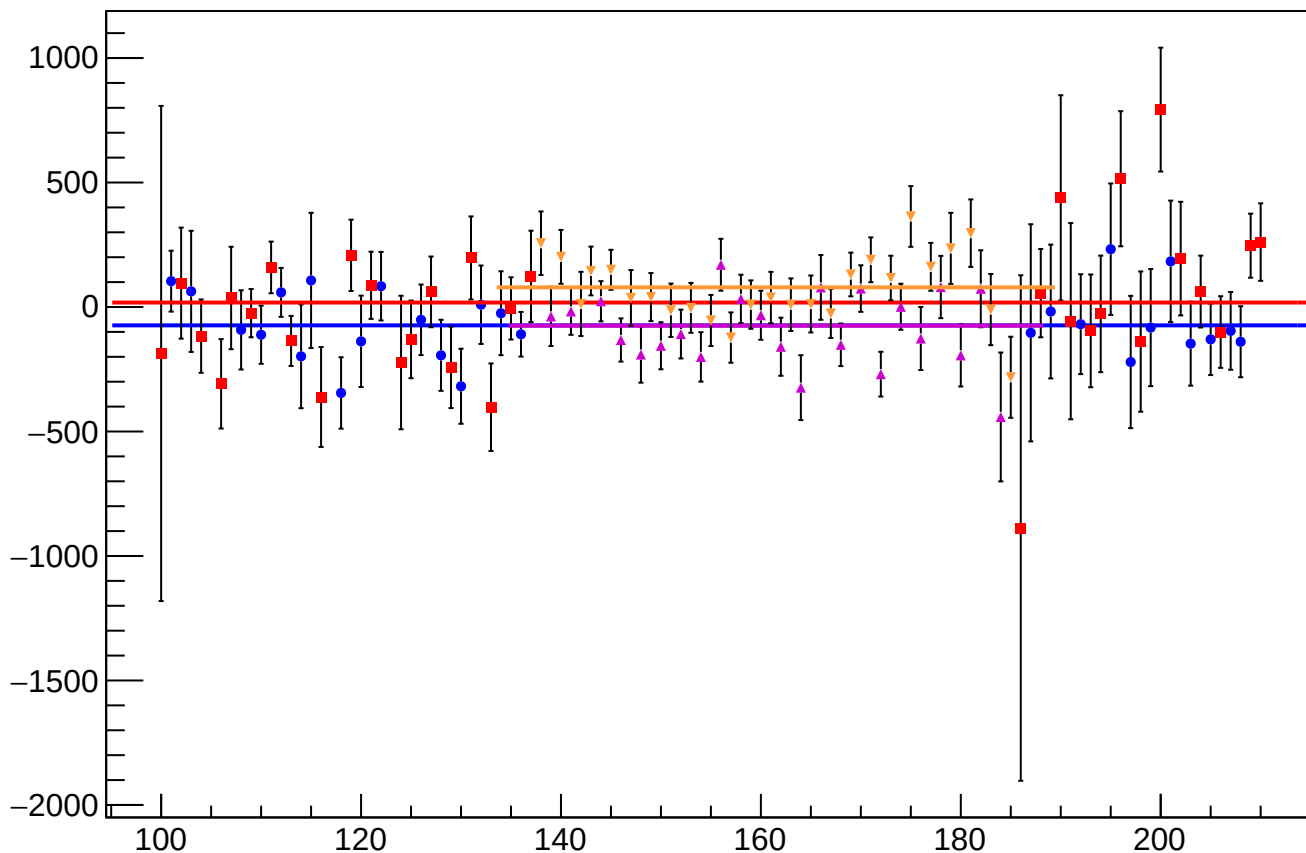
Left In: 784.833+/-0.132 χ^2/NDF : 1063746.9/22

+ sign 895.898+/-0.115 χ^2/NDF : 9535808.4/51

All: 901.684+/-0.082 χ^2/NDF : 21022098.5/100

- sign 907.572+/-0.116 χ^2/NDF : 11481211.7/55

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -73.705 ± 30.261 $\chi^2/\text{NDF}: 17.4/26$

Left Out: 79.106 ± 21.102 $\chi^2/\text{NDF}: 32.0/24$

Right Out: 17.978 ± 28.926 $\chi^2/\text{NDF}: 48.4/32$

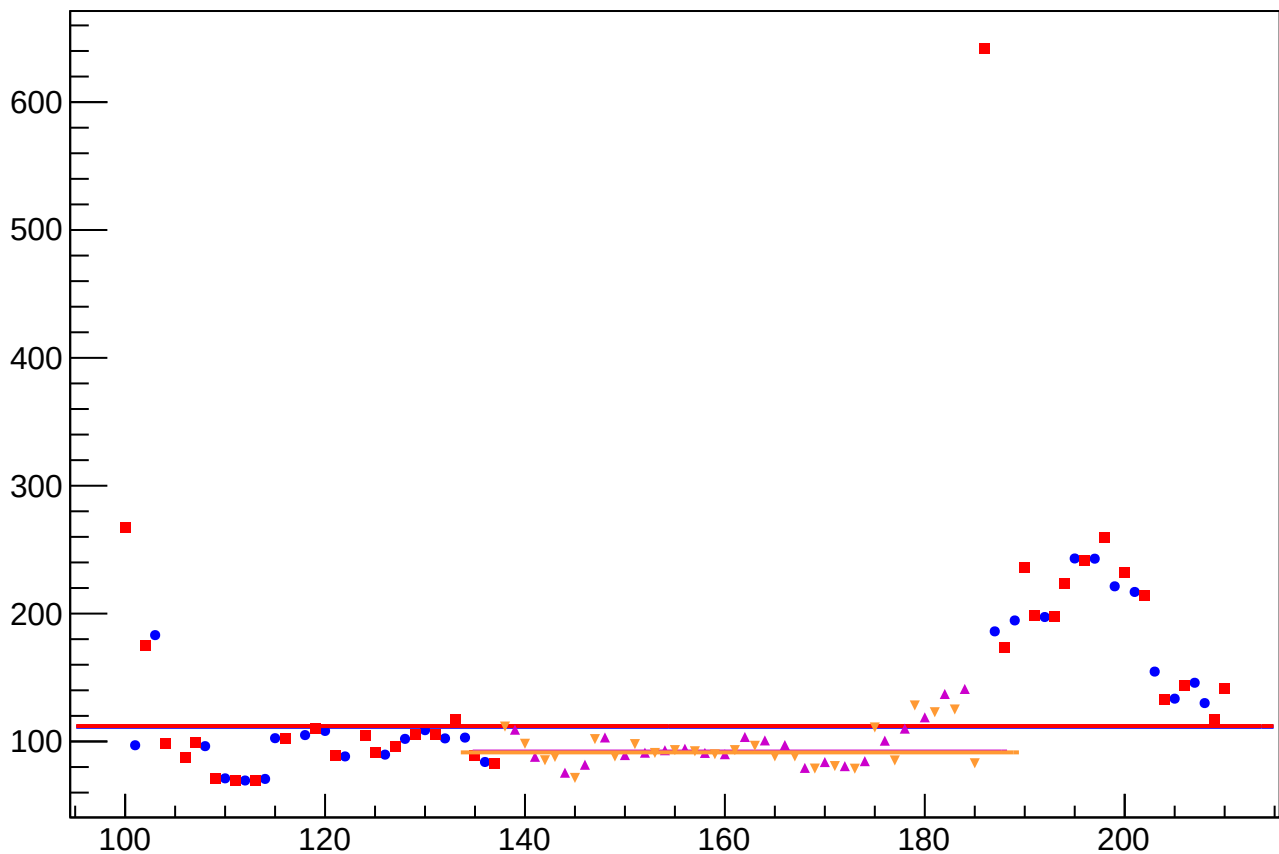
Left In: -75.049 ± 21.837 $\chi^2/\text{NDF}: 32.6/22$

+ sign 29.110 ± 17.309 $\chi^2/\text{NDF}: 66.6/51$

All: -5.843 ± 12.281 $\chi^2/\text{NDF}: 162.4/107$

- sign -41.278 ± 17.428 $\chi^2/\text{NDF}: 87.6/55$

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 111.471 $\pm$ 0.021 χ^2 /NDF: 3943823.9/26

Left Out: 91.462 $\pm$ 0.015 χ^2 /NDF: 751213.9/24

Right Out: 112.070 $\pm$ 0.020 χ^2 /NDF: 5466532.5/32

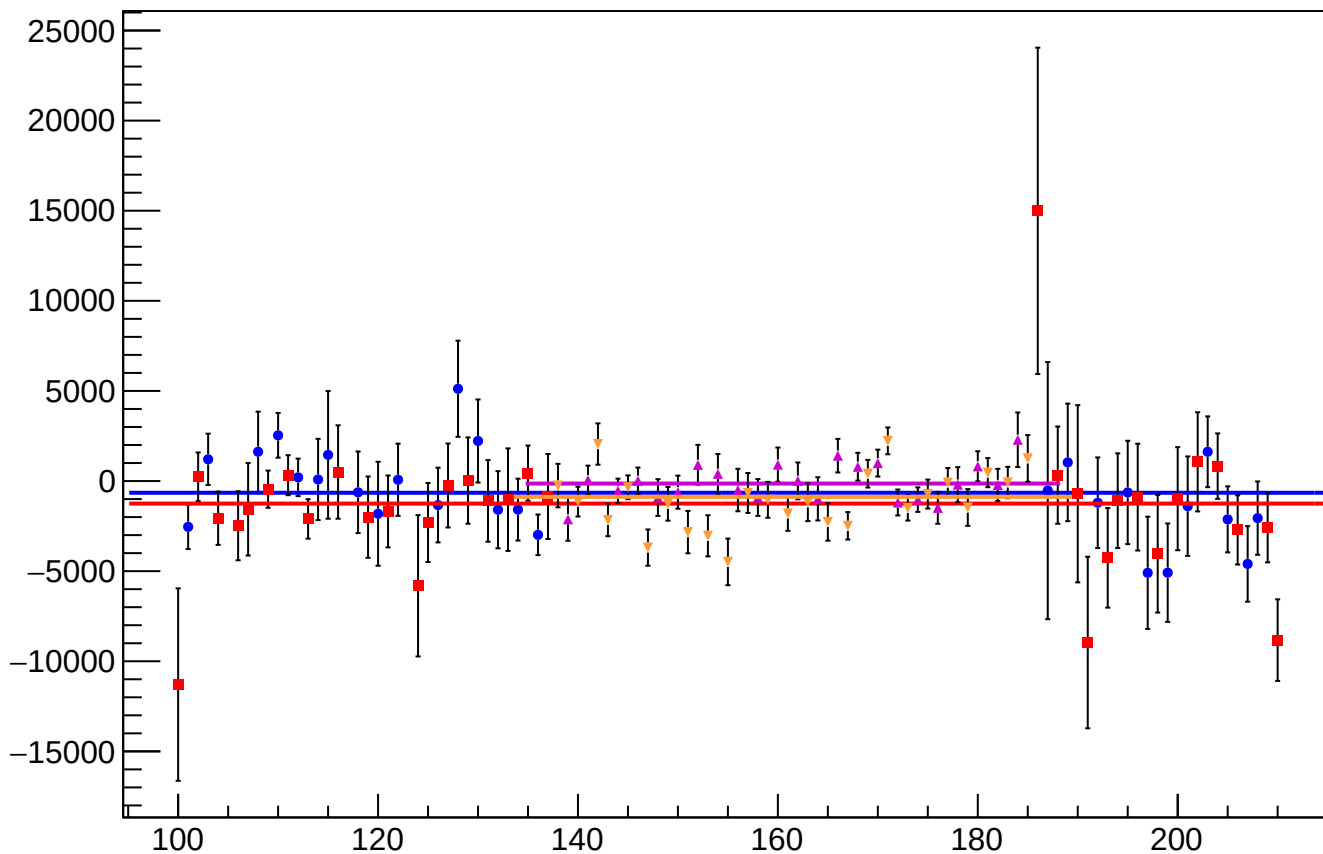
Left In: 92.100 $\pm$ 0.015 χ^2 /NDF: 699590.1/22

+ sign 98.008 $\pm$ 0.012 χ^2 /NDF: 5283365.8/51

All: 98.674 $\pm$ 0.009 χ^2 /NDF: 12062634.0/107

- sign 99.350 $\pm$ 0.012 χ^2 /NDF: 6773302.3/55

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug



Right In: -649.606 ± 365.920 χ^2/NDF : 35.3/26

Left Out: -878.453 ± 182.188 χ^2/NDF : 67.7/24

Right Out: -1250.133 ± 348.894 χ^2/NDF : 35.1/32

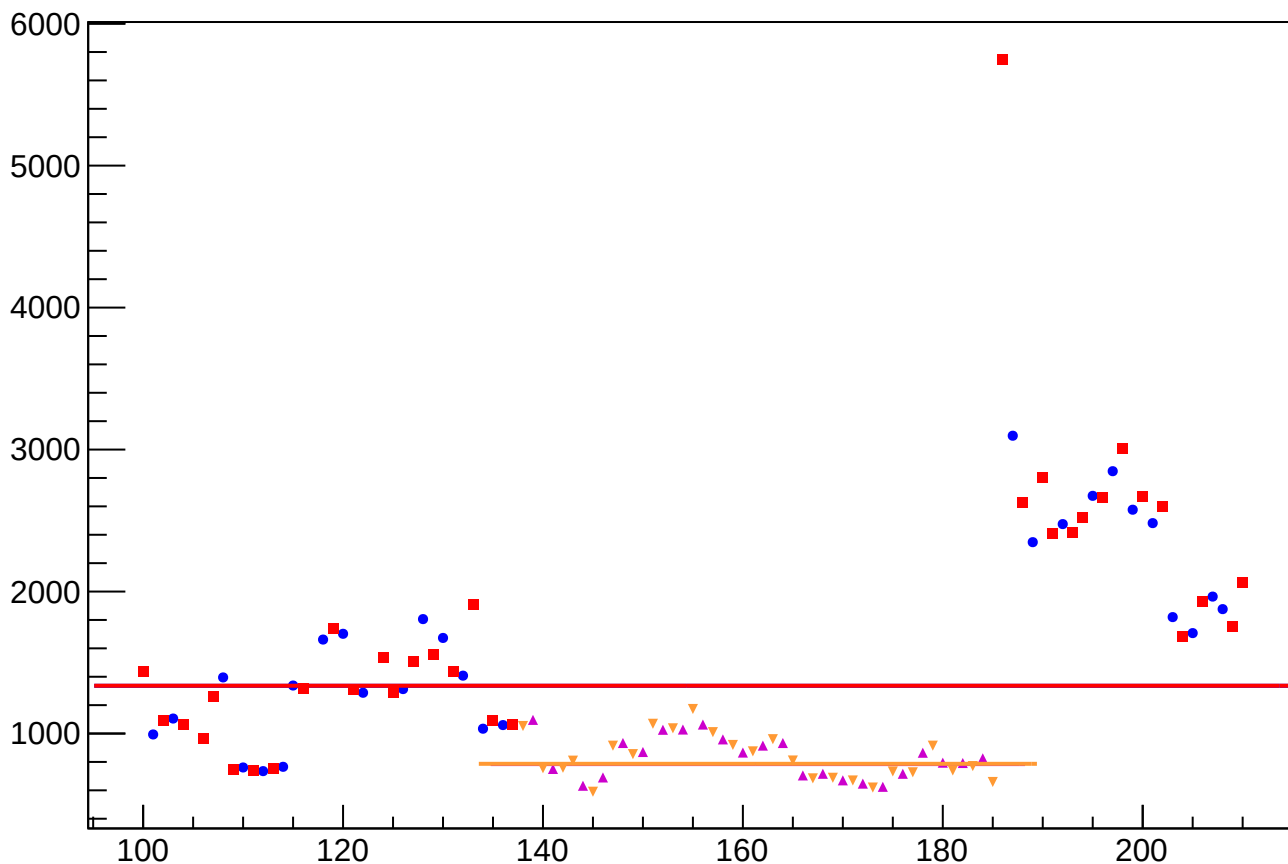
Left In: -138.730 ± 186.573 χ^2/NDF : 24.2/22

+ sign -832.993 ± 163.091 χ^2/NDF : 103.4/51

All: -611.393 ± 115.827 χ^2/NDF : 174.2/107

- sign -385.876 ± 164.526 χ^2/NDF : 67.1/55

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug



Right In: 1336.166+/-0.259 χ^2/NDF : 4711894.8/26

Left Out: 786.758+/-0.129 χ^2/NDF : 1210893.0/24

Right Out: 1336.781+/-0.247 χ^2/NDF : 6525139.7/32

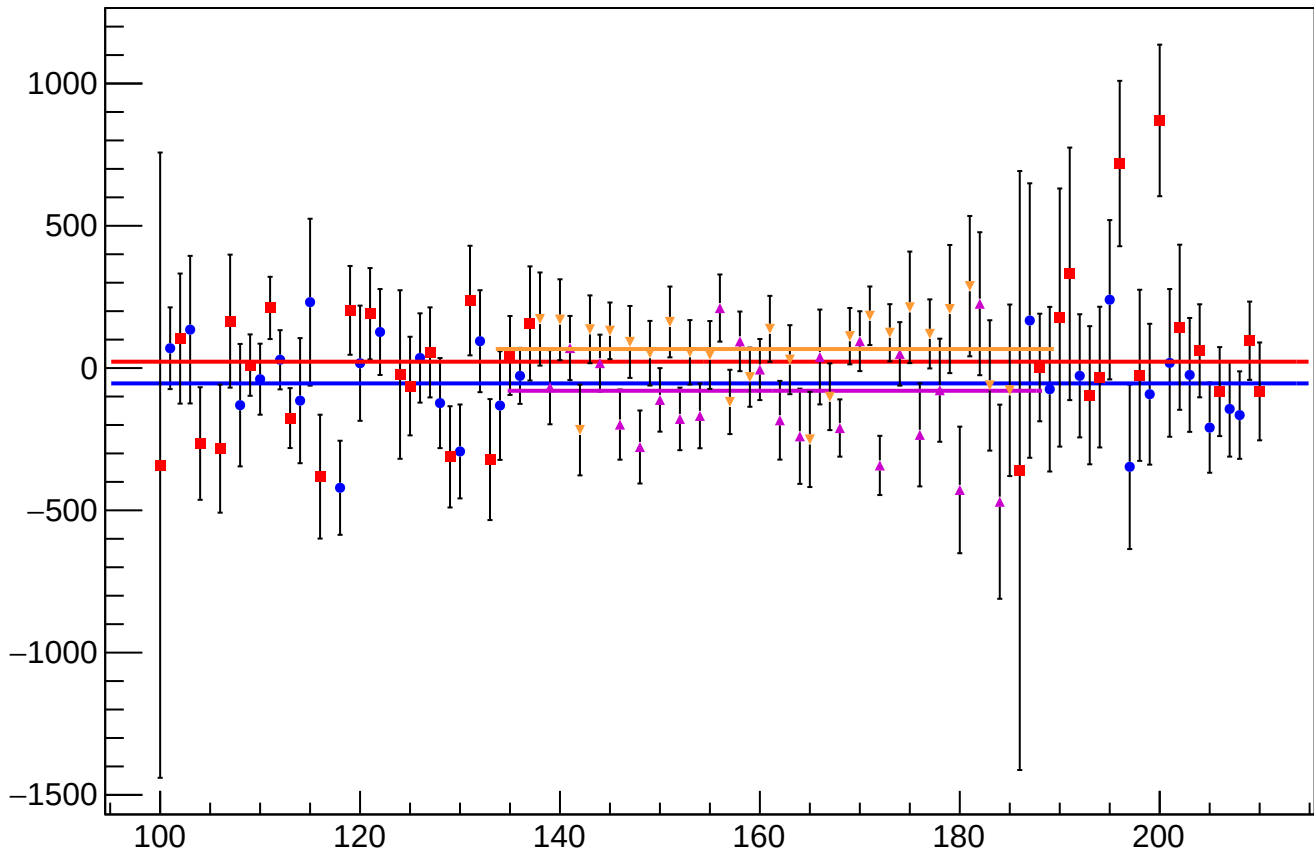
Left In: 784.833+/-0.132 χ^2/NDF : 1063746.9/22

+ sign 895.898+/-0.115 χ^2/NDF : 9535808.4/51

All: 901.684+/-0.082 χ^2/NDF : 21022098.5/100

- sign 907.572+/-0.116 χ^2/NDF : 11481211.7/55

dit_asym_sam_3748_avg_mean vs Slug



Right In: -53.886 ± 33.446 χ^2/NDF : 17.3/26

Left Out: 66.896 ± 25.584 χ^2/NDF : 19.6/24

Right Out: 22.391 ± 32.066 χ^2/NDF : 43.4/32

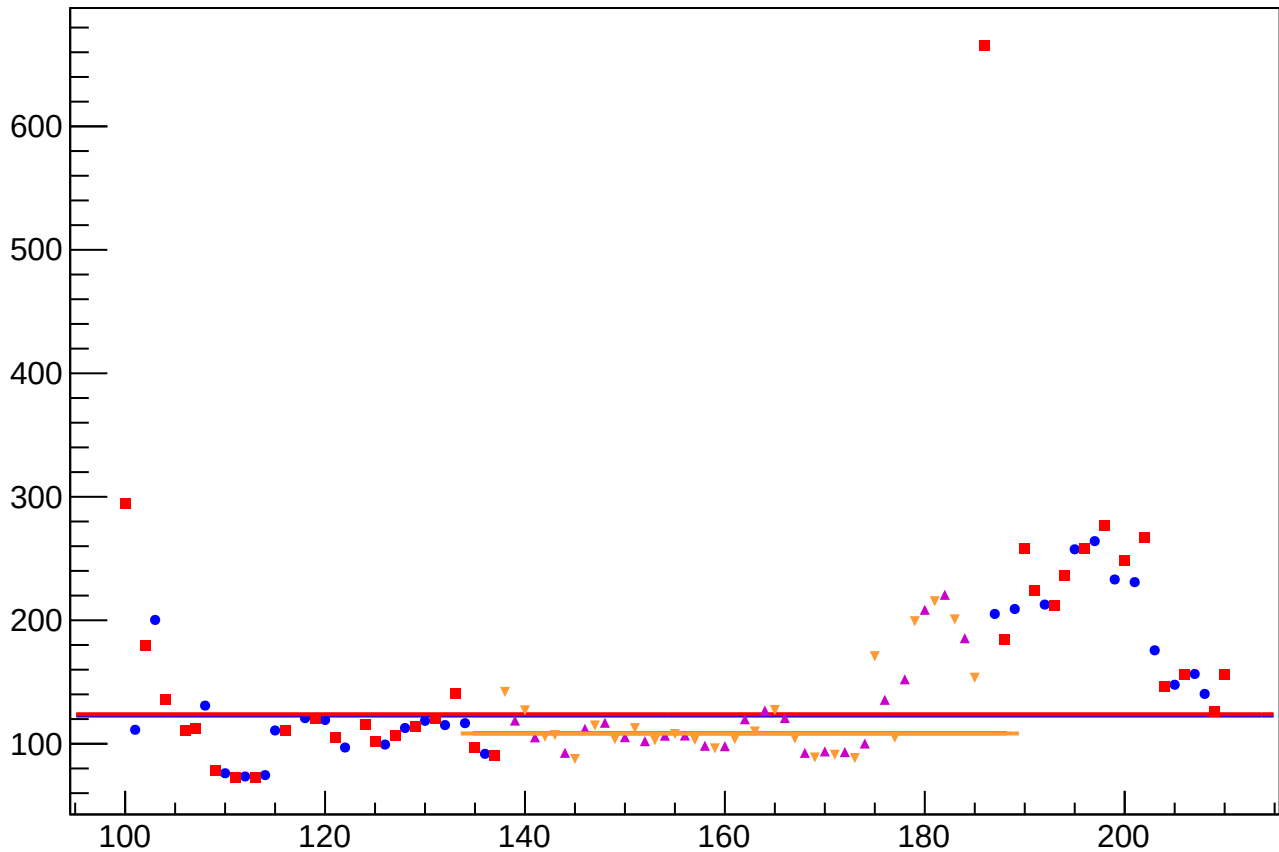
Left In: -79.766 ± 26.299 χ^2/NDF : 36.9/22

+ sign 22.312 ± 20.320 χ^2/NDF : 45.2/51

All: -8.165 ± 14.374 χ^2/NDF : 136.1/107

- sign -38.684 ± 20.334 χ^2/NDF : 86.4/55

dit_asym_sam_3748_avg_rms vs Slug



Right In: 122.869 $\pm$ 0.024 χ^2 /NDF: 3902551.1/26

Left Out: 108.330 $\pm$ 0.018 χ^2 /NDF: 1774599.9/24

Right Out: 123.913 $\pm$ 0.023 χ^2 /NDF: 5438934.3/32

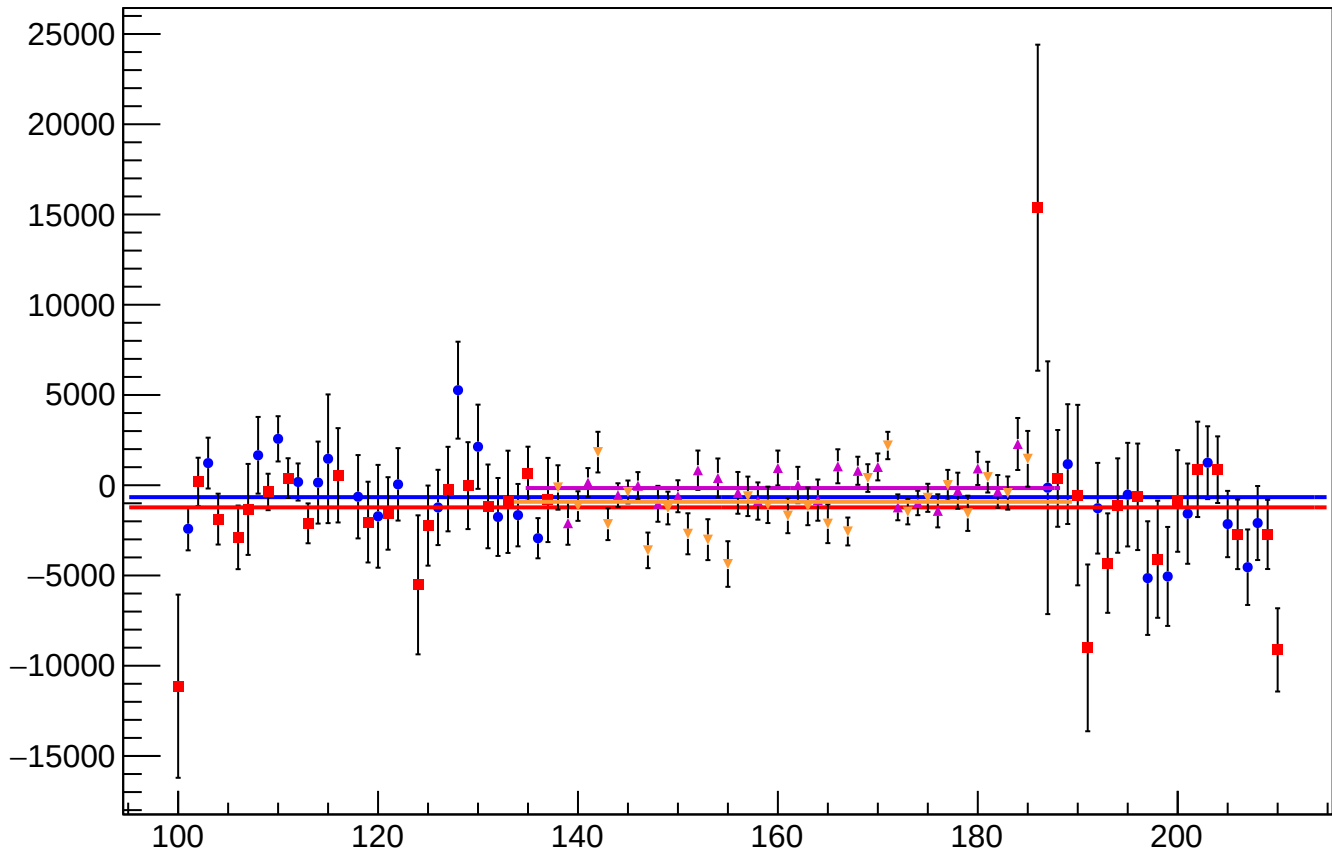
Left In: 108.492 $\pm$ 0.019 χ^2 /NDF: 1379398.3/22

+ sign 113.697 $\pm$ 0.014 χ^2 /NDF: 5915581.7/51

All: 114.195 $\pm$ 0.010 χ^2 /NDF: 13012847.1/10

- sign 114.694 $\pm$ 0.014 χ^2 /NDF: 7094861.4/55

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -660.794 $\pm$ 364.855 χ^2 /NDF: 34.9/26

Left Out: -918.735 $\pm$ 182.461 χ^2 /NDF: 64.1/24

Right Out: -1226.259 $\pm$ 345.283 χ^2 /NDF: 37.2/32

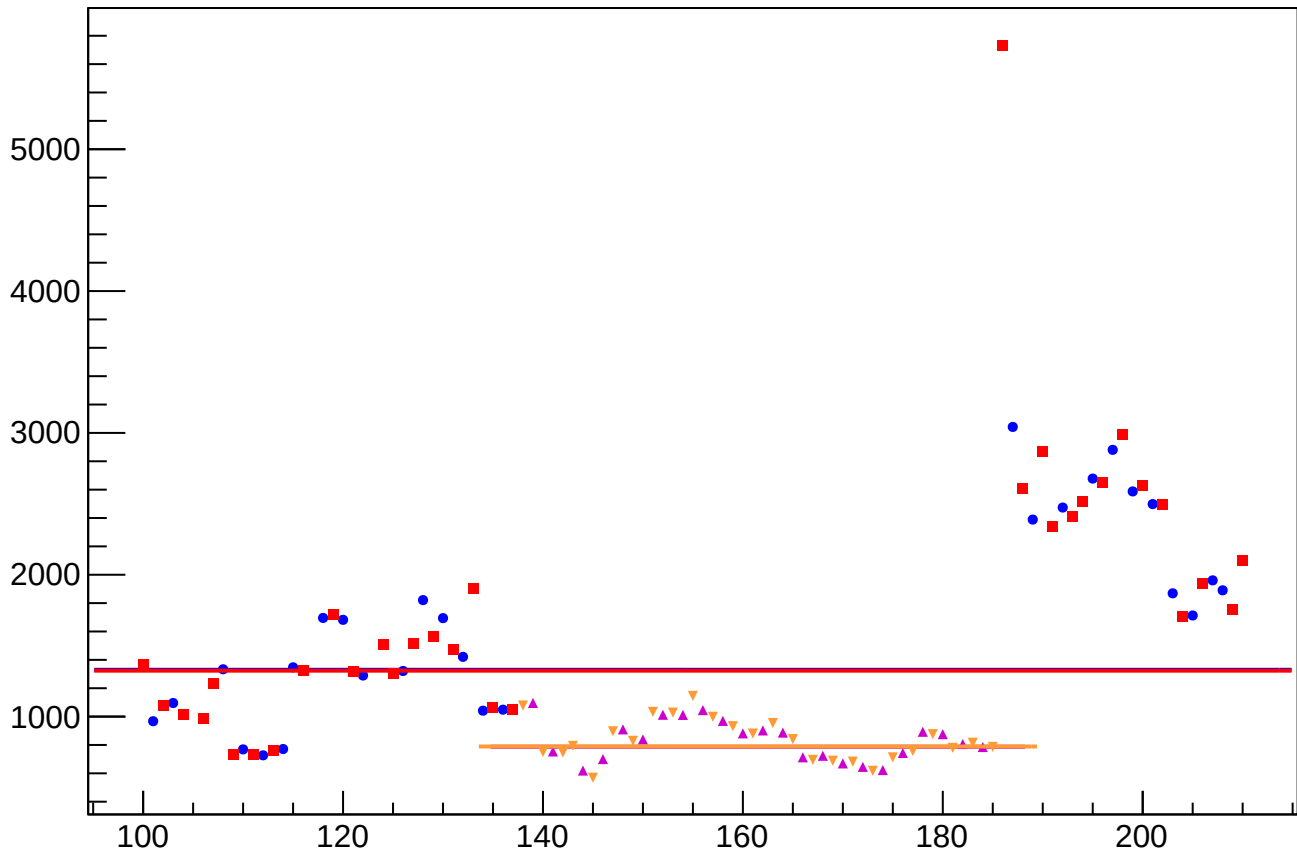
Left In: -155.874 $\pm$ 187.116 χ^2 /NDF: 23.1/22

+ sign -867.132 $\pm$ 163.192 χ^2 /NDF: 99.4/51

All: -634.882 $\pm$ 115.858 χ^2 /NDF: 171.2/107

- sign -398.862 $\pm$ 164.512 χ^2 /NDF: 67.7/55

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1329.910 $\pm$ 0.258 χ^2 /NDF: 4832758.7/26

Left Out: 789.250 $\pm$ 0.129 χ^2 /NDF: 1176799.1/24

Right Out: 1323.819 $\pm$ 0.244 χ^2 /NDF: 6615038.4/32

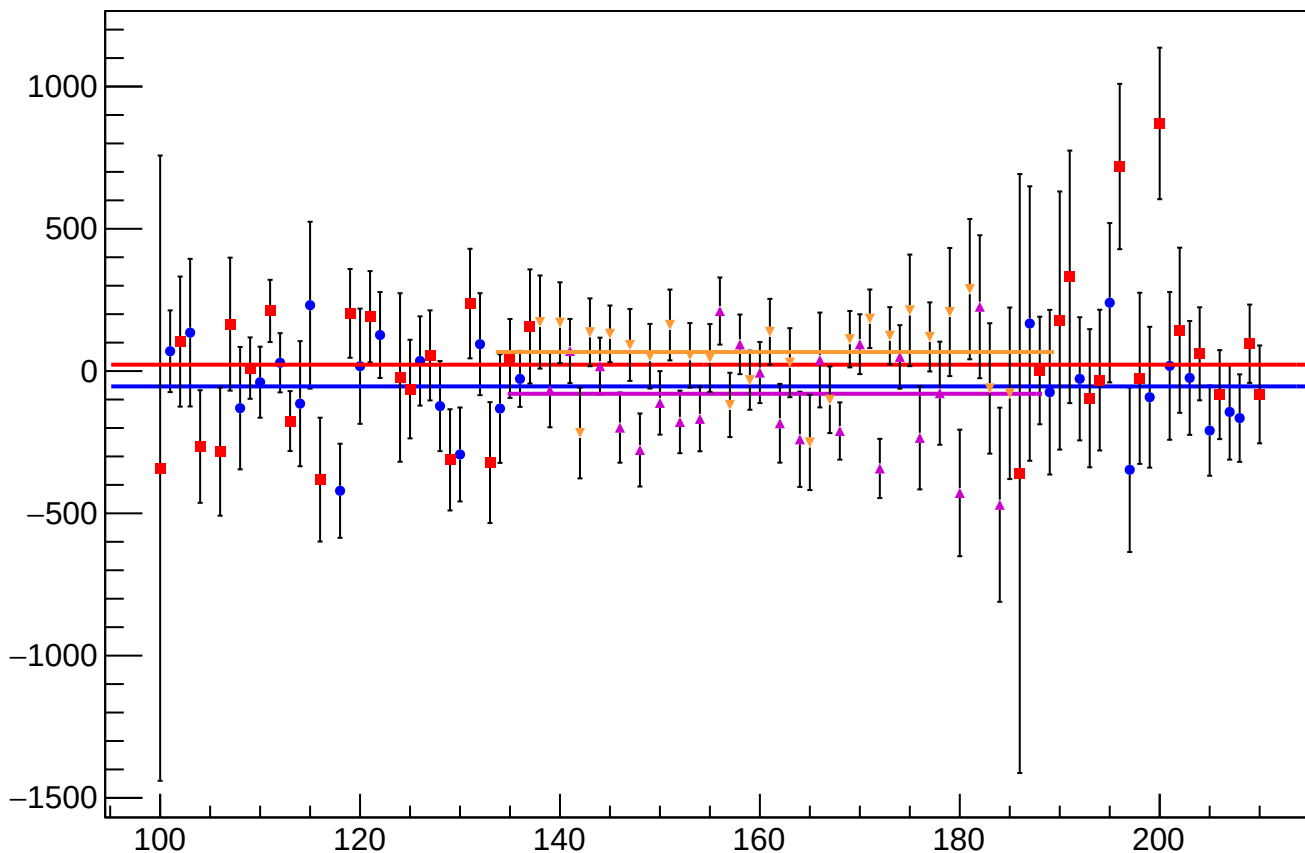
Left In: 787.390 $\pm$ 0.132 χ^2 /NDF: 1041390.9/22

+ sign 897.414 $\pm$ 0.115 χ^2 /NDF: 9522715.4/51

All: 903.242 $\pm$ 0.082 χ^2 /NDF: 20915749.3/10

- sign 909.165 $\pm$ 0.116 χ^2 /NDF: 11387891.0/55

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -53.885 ± 33.446 χ^2/NDF : 17.3/26

Left Out: 66.898 ± 25.584 χ^2/NDF : 19.6/24

Right Out: 22.393 ± 32.066 χ^2/NDF : 43.4/32

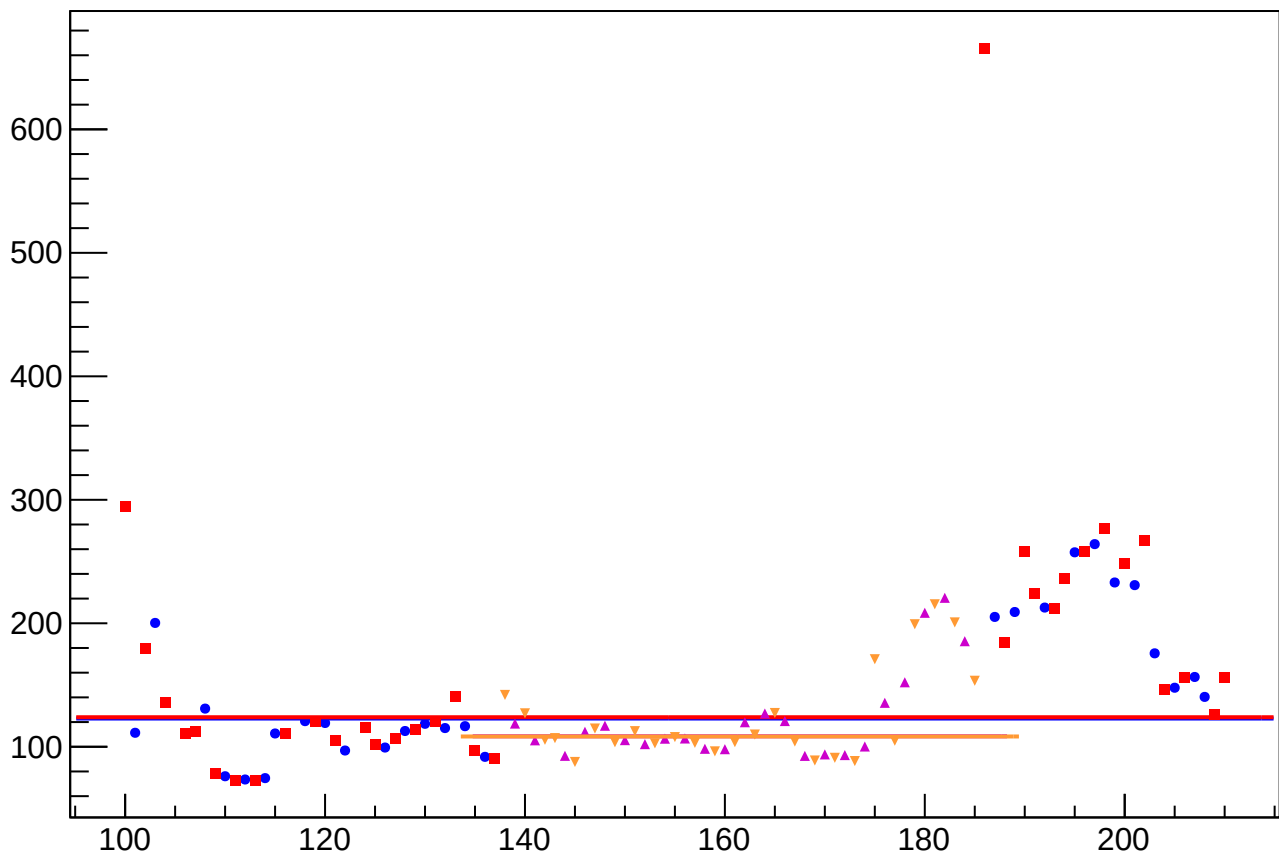
Left In: -79.766 ± 26.299 χ^2/NDF : 36.9/22

+ sign 22.313 ± 20.321 χ^2/NDF : 45.2/51

All: -8.164 ± 14.374 χ^2/NDF : 136.1/107

- sign -38.683 ± 20.334 χ^2/NDF : 86.4/55

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 122.869+/-0.024 χ^2/NDF : 3902539.0/26

Left Out: 108.330+/-0.018 χ^2/NDF : 1774594.6/24

Right Out: 123.913+/-0.023 χ^2/NDF : 5438936.2/32

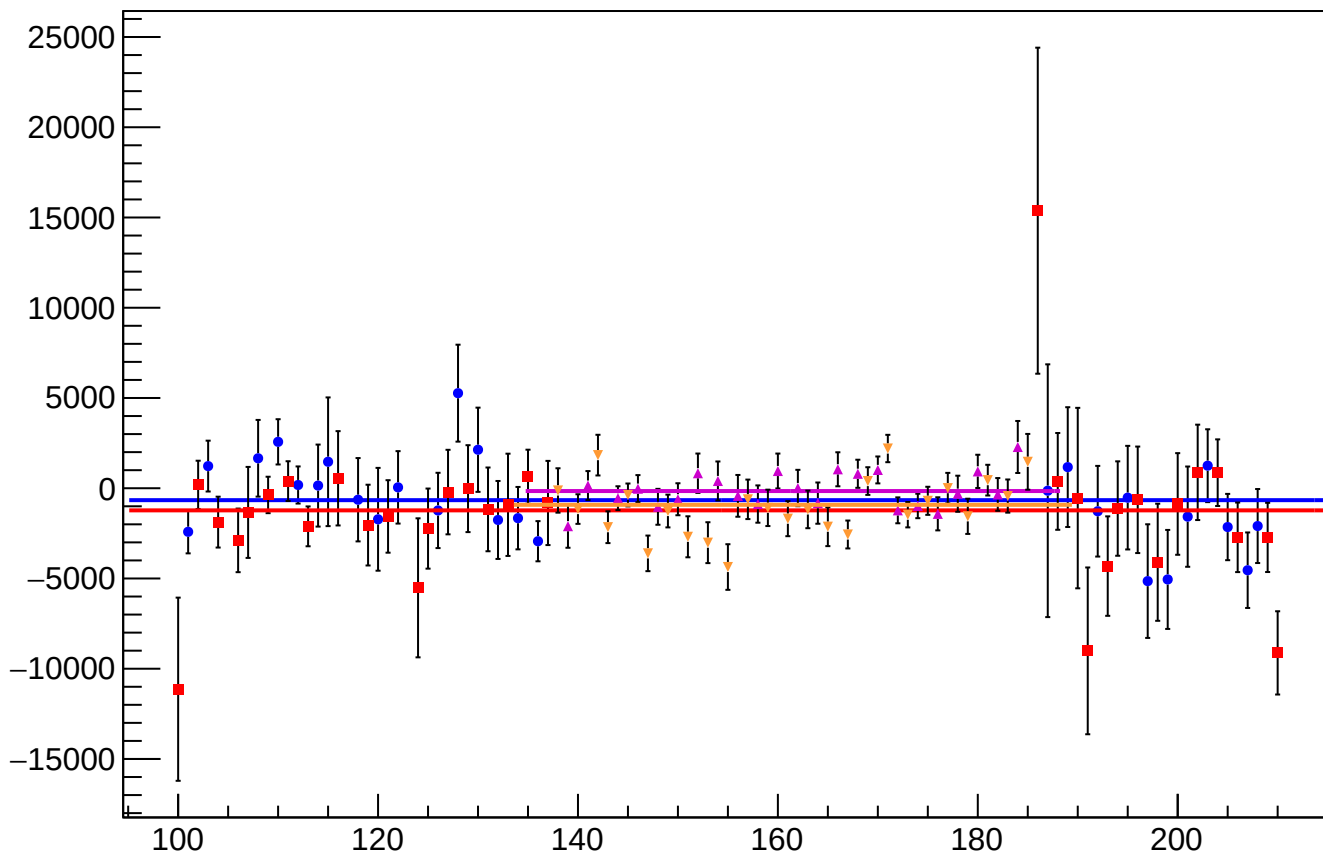
Left In: 108.493+/-0.019 χ^2/NDF : 1379379.3/22

+ sign 113.697+/-0.014 χ^2/NDF : 5915558.1/51

All: 114.195+/-0.010 χ^2/NDF : 13012799.8/10

- sign 114.694+/-0.014 χ^2/NDF : 7094837.8/55

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug



Right In: -660.792 ± 364.854 χ^2/NDF : 34.9/26

Left Out: -918.734 ± 182.461 χ^2/NDF : 64.1/24

Right Out: -1226.256 ± 345.282 χ^2/NDF : 37.2/32

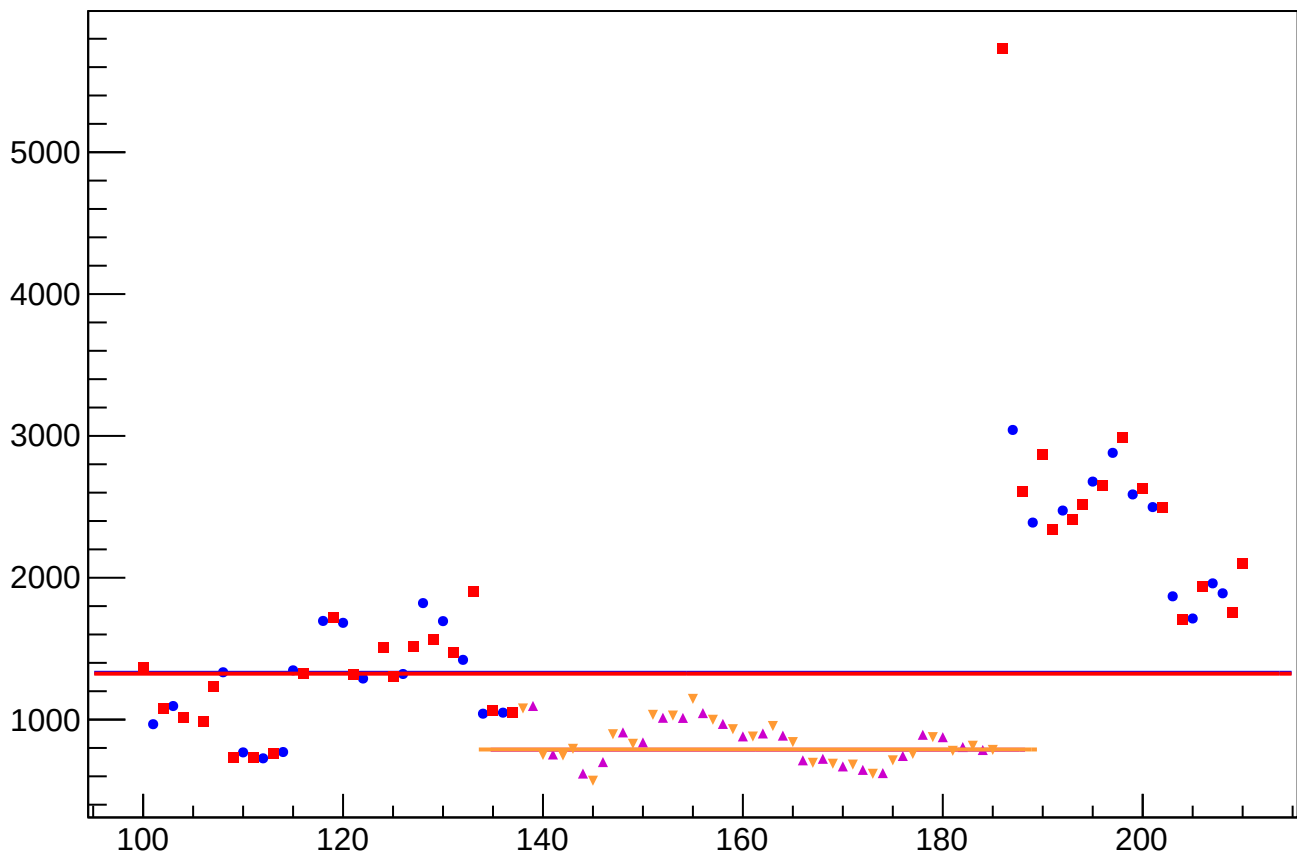
Left In: -155.873 ± 187.115 χ^2/NDF : 23.1/22

+ sign -867.130 ± 163.192 χ^2/NDF : 99.4/51

All: -634.881 ± 115.858 χ^2/NDF : 171.2/107

- sign -398.861 ± 164.512 χ^2/NDF : 67.7/55

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug



Right In: 1329.908 $\pm$ 0.258 χ^2 /NDF: 4832769.8/26

Left Out: 789.248 $\pm$ 0.129 χ^2 /NDF: 1176801.9/24

Right Out: 1323.817 $\pm$ 0.244 χ^2 /NDF: 6615045.7/32

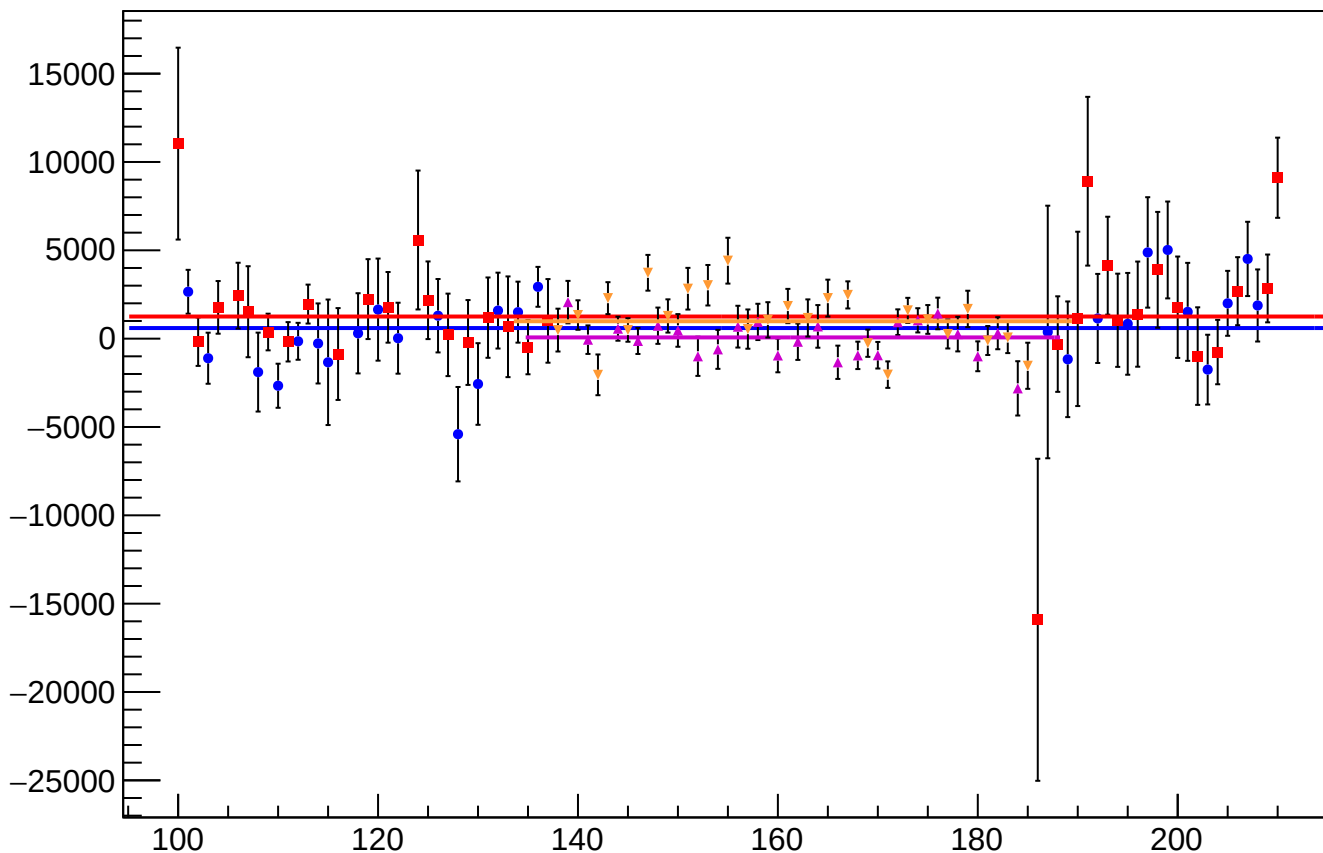
Left In: 787.388 $\pm$ 0.132 χ^2 /NDF: 1041391.2/22

+ sign 897.412 $\pm$ 0.115 χ^2 /NDF: 9522729.3/51

All: 903.240 $\pm$ 0.082 χ^2 /NDF: 20915773.3/10

- sign 909.163 $\pm$ 0.116 χ^2 /NDF: 11387901.0/55

asym_sam_3748_avg_mean vs Slug



Right In: 599.953 ± 367.719 $\chi^2/\text{NDF}: 36.0/26$

Left Out: 985.656 ± 183.601 $\chi^2/\text{NDF}: 63.7/24$

Right Out: 1252.516 ± 350.135 $\chi^2/\text{NDF}: 35.2/32$

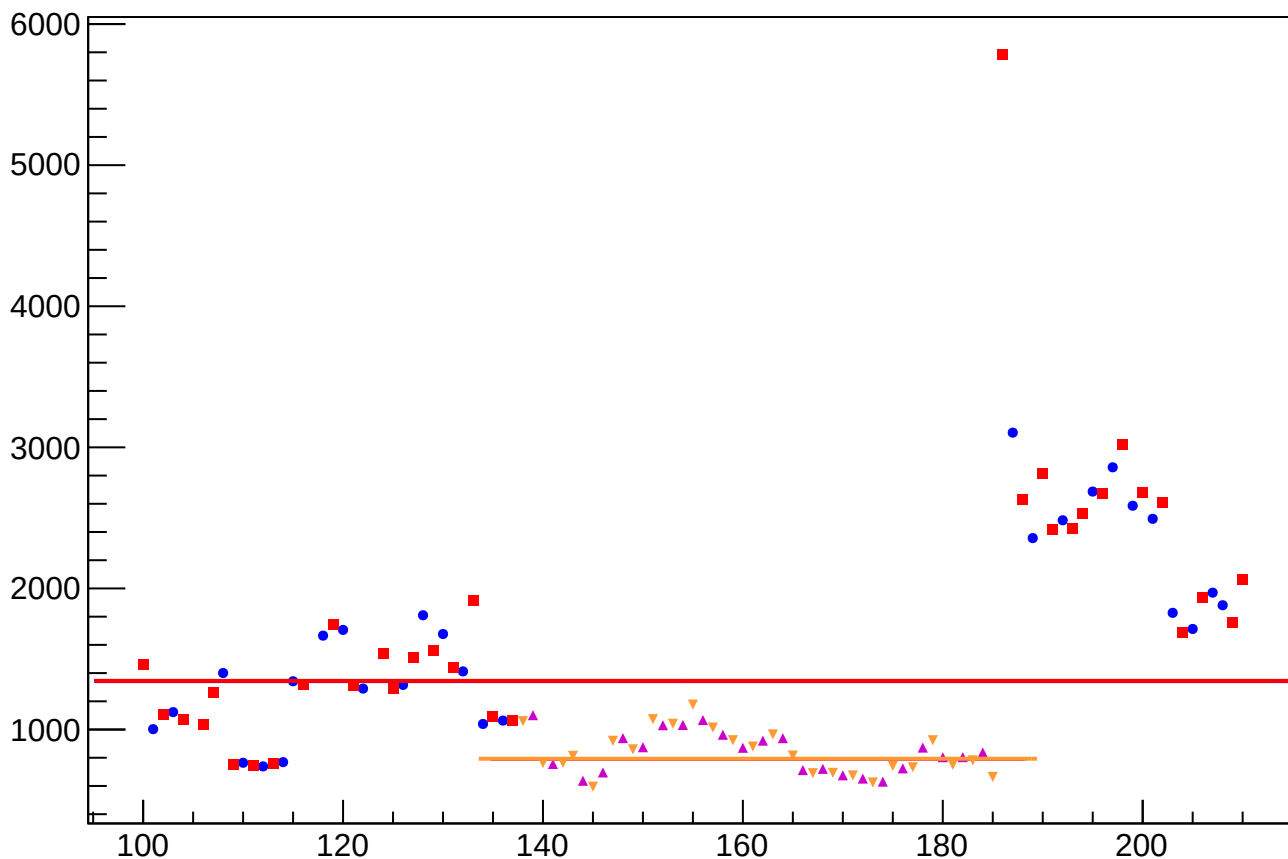
Left In: 70.089 ± 188.036 $\chi^2/\text{NDF}: 24.4/22$

+ sign 908.689 ± 164.264 $\chi^2/\text{NDF}: 100.6/51$

All: 624.157 ± 116.642 $\chi^2/\text{NDF}: 175.1/107$

- sign 334.774 ± 165.658 $\chi^2/\text{NDF}: 68.4/55$

asym_sam_3748_avg_rms vs Slug



Right In: 1343.289+/-0.260 χ^2/NDF : 4690625.9/26

Left Out: 793.051+/-0.130 χ^2/NDF : 1193972.3/24

Right Out: 1344.809+/-0.248 χ^2/NDF : 6485429.4/32

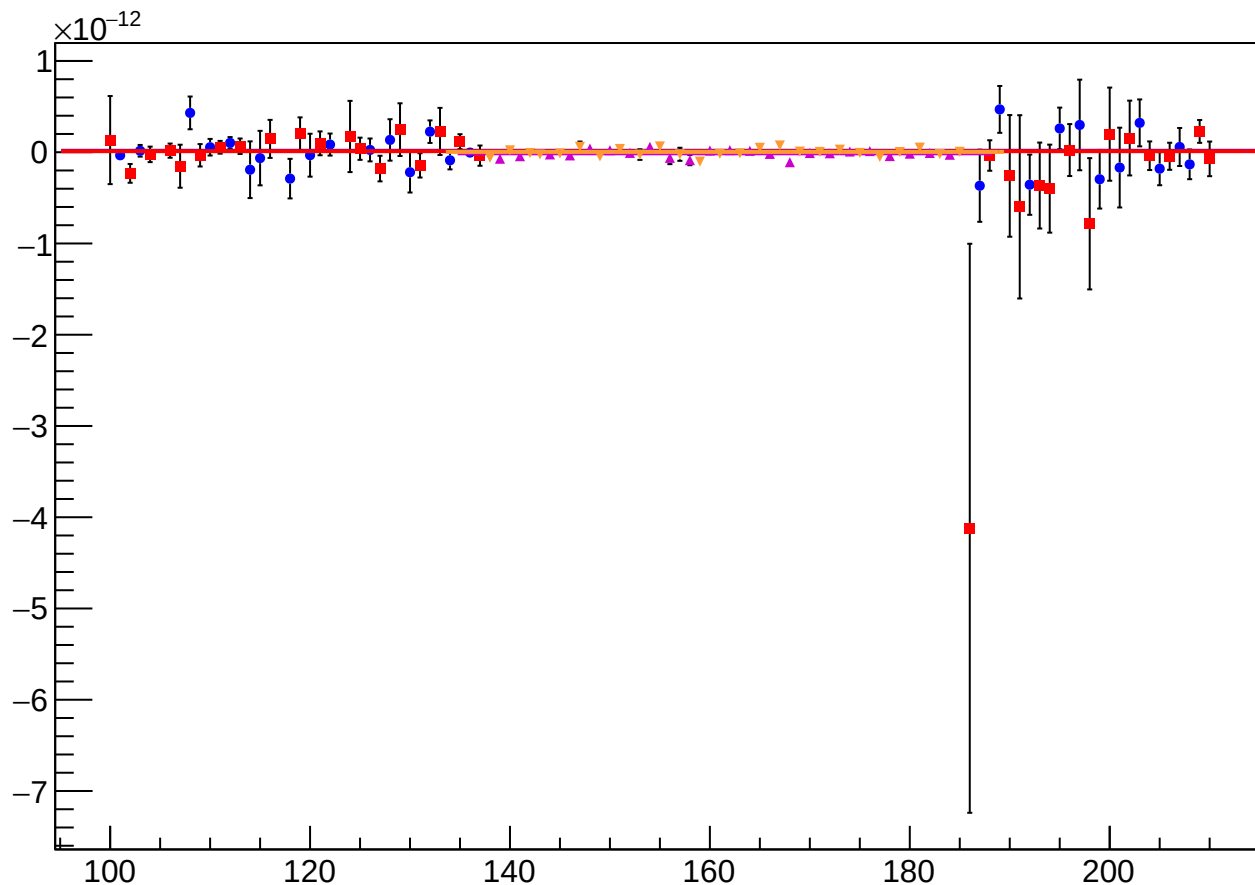
Left In: 791.155+/-0.133 χ^2/NDF : 1049107.7/22

+ sign 902.851+/-0.116 χ^2/NDF : 9469128.1/51

All: 908.919+/-0.082 χ^2/NDF : 20890515.7/10

- sign 915.090+/-0.117 χ^2/NDF : 11415882.7/55

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.3/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/32

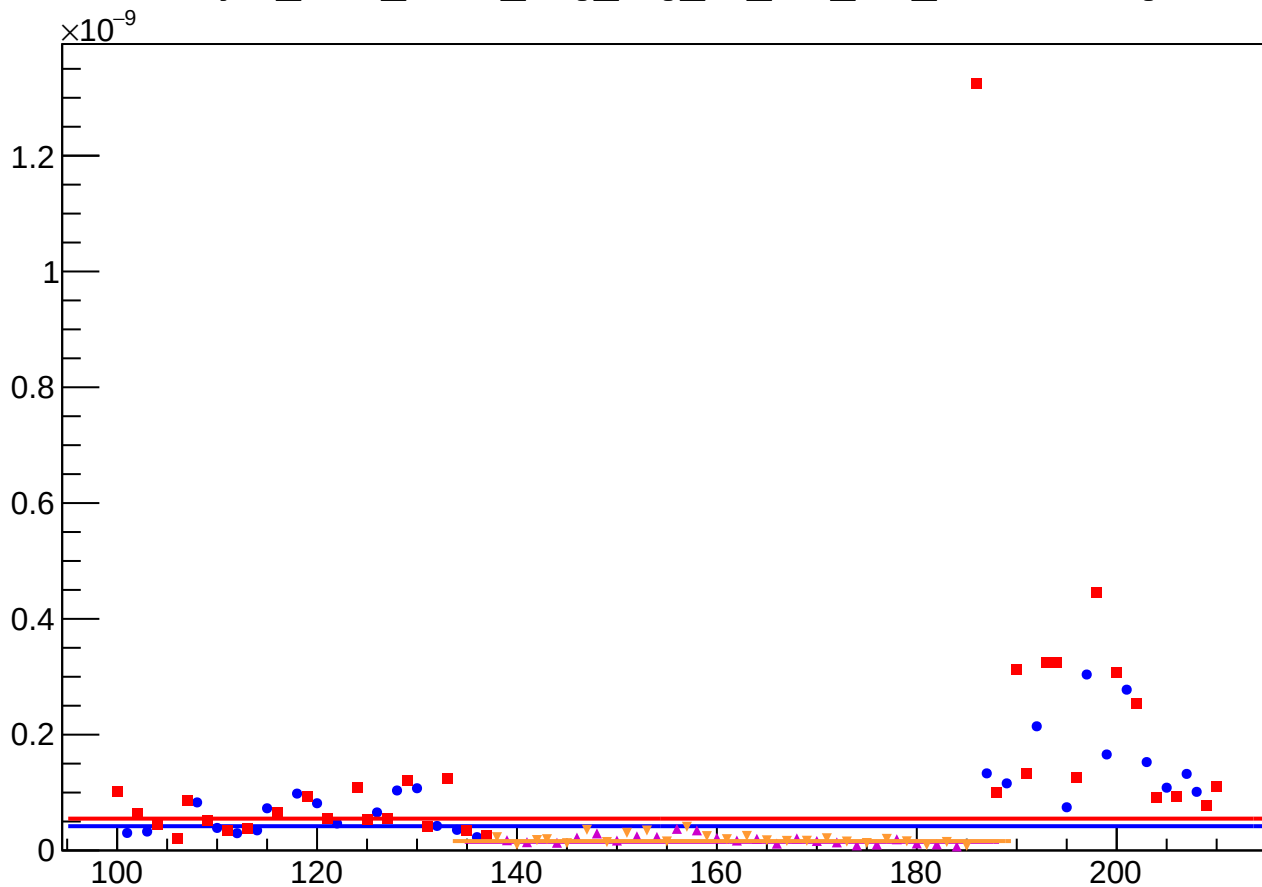
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:25.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 62.5/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 116.2/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 50.6/55

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4994362.7/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5621019.7/32

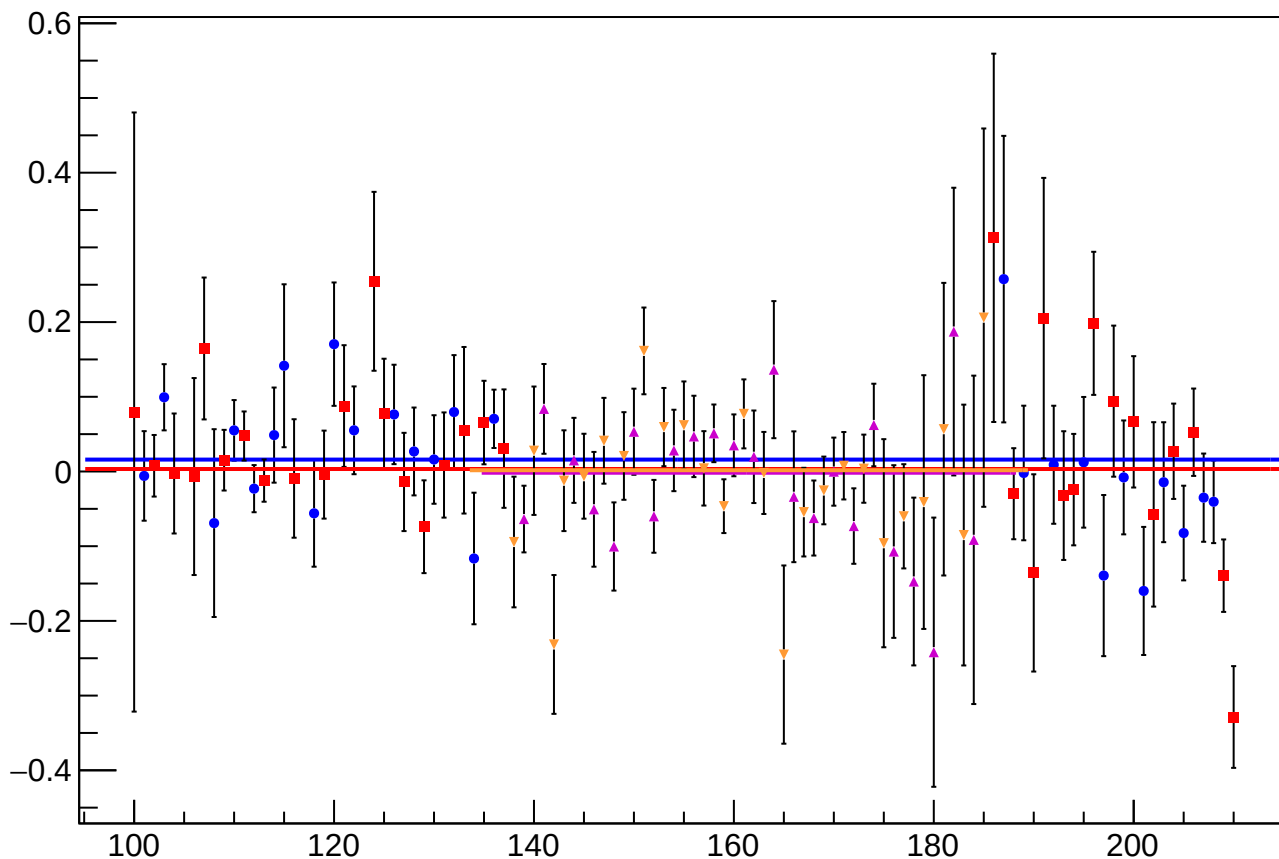
Left In: 0.000+/-0.000 χ^2/NDF : 1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 9469313.2/51

All: 0.000+/-0.000 χ^2/NDF : 21702251.8/107

- sign 0.000+/-0.000 χ^2/NDF : 12203890.1/55

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.012 χ^2 /NDF: 31.3/26

Left Out: 0.002 $\pm$ 0.012 χ^2 /NDF:30.4/24

Right Out: 0.003 $\pm$ 0.011 χ^2 /NDF: 58.3/32

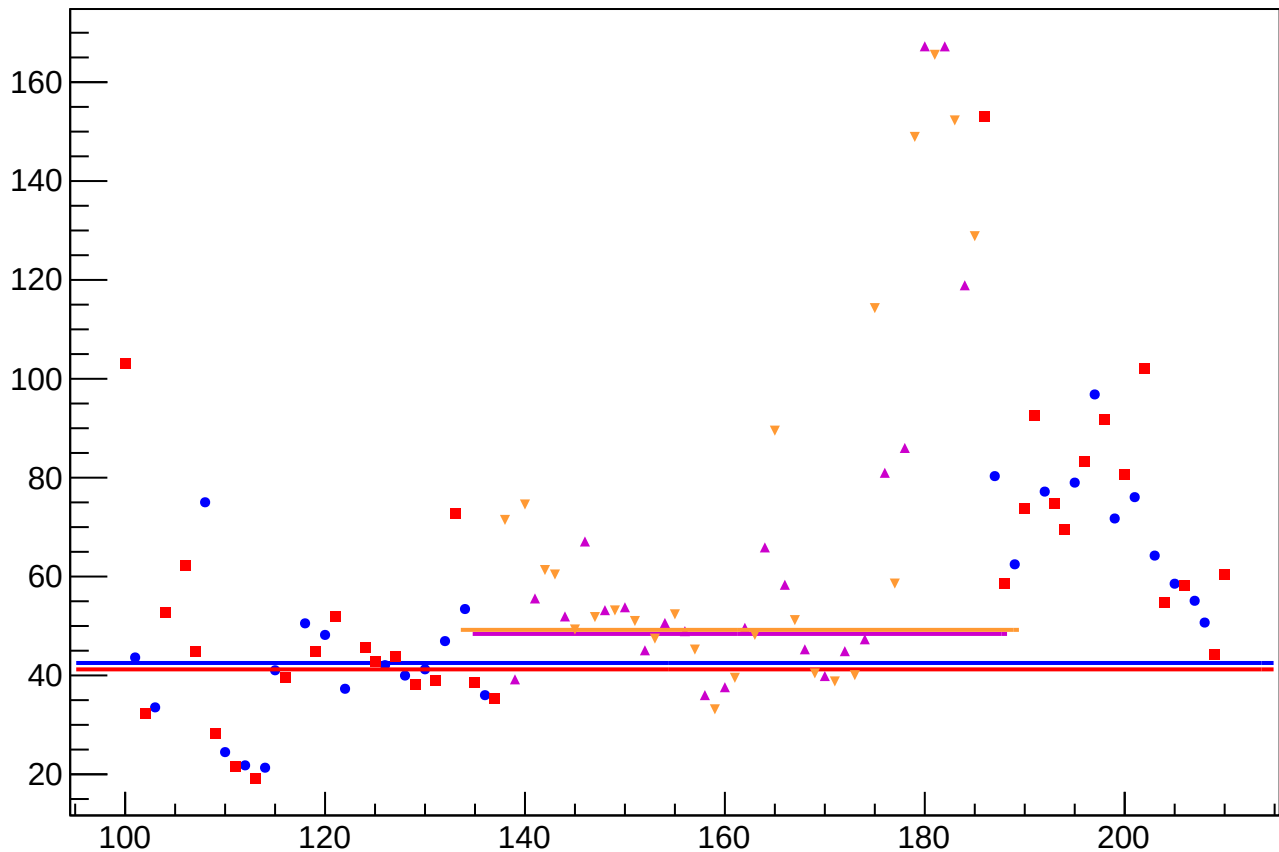
Left In: -0.002 $\pm$ 0.012 χ^2 /NDF:26.1/22

+ sign 0.009 $\pm$ 0.009 χ^2 /NDF: 62.4/51

All: 0.005 $\pm$ 0.006 χ^2 /NDF: 147.3/107

- sign 0.001 $\pm$ 0.008 χ^2 /NDF: 84.5/55

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.516+/-0.008 χ^2/NDF : 4267708.8/26

Left Out: 49.216+/-0.009 χ^2/NDF : 4171670.0/24

Right Out: 41.221+/-0.008 χ^2/NDF : 6243065.3/32

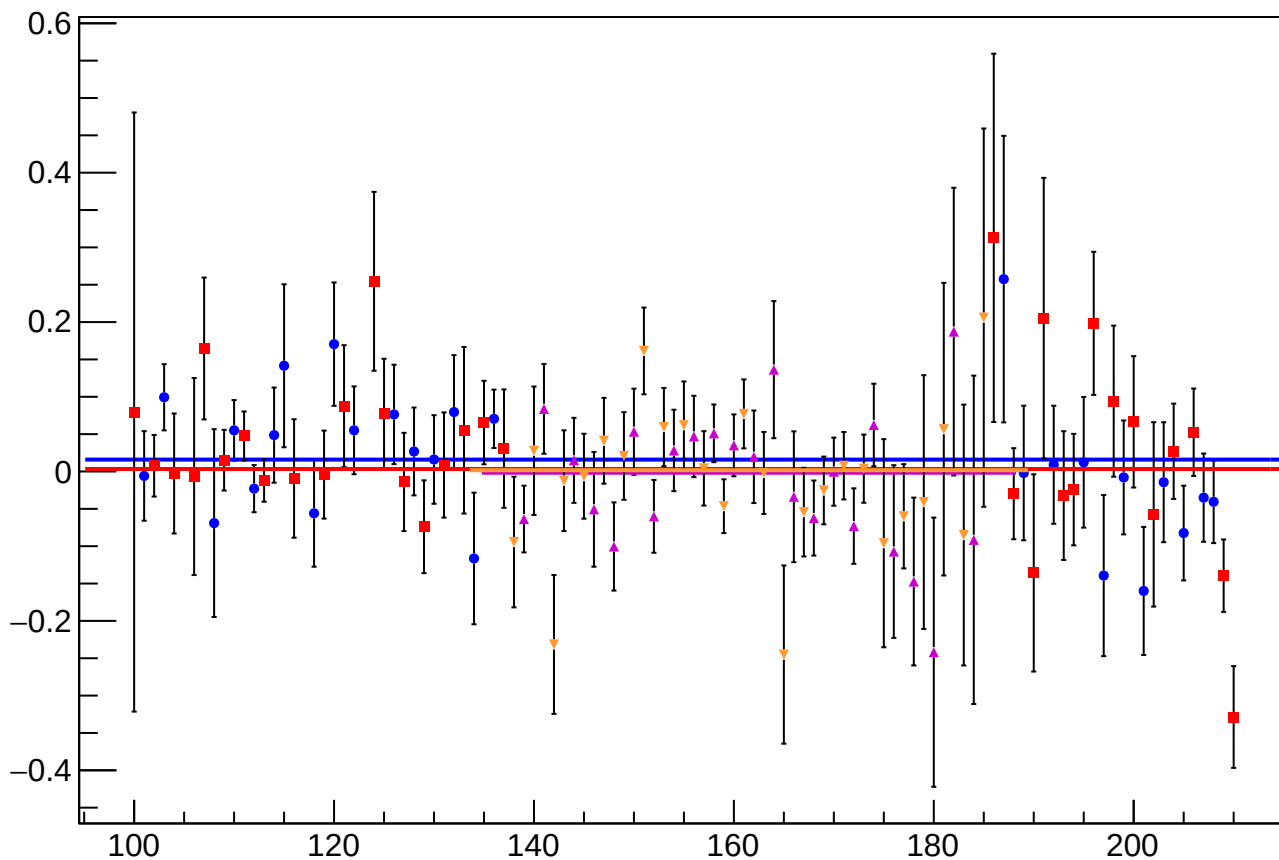
Left In: 48.392+/-0.009 χ^2/NDF : 3033240.8/22

+ sign 45.763+/-0.006 χ^2/NDF : 8745396.9/51

All: 45.073+/-0.004 χ^2/NDF : 18418256.1/107

- sign 44.429+/-0.006 χ^2/NDF : 9647765.5/55

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.012 χ^2 /NDF: 31.3/26

Left Out: 0.002 $\pm$ 0.012 χ^2 /NDF: 30.4/24

Right Out: 0.003 $\pm$ 0.011 χ^2 /NDF: 58.3/32

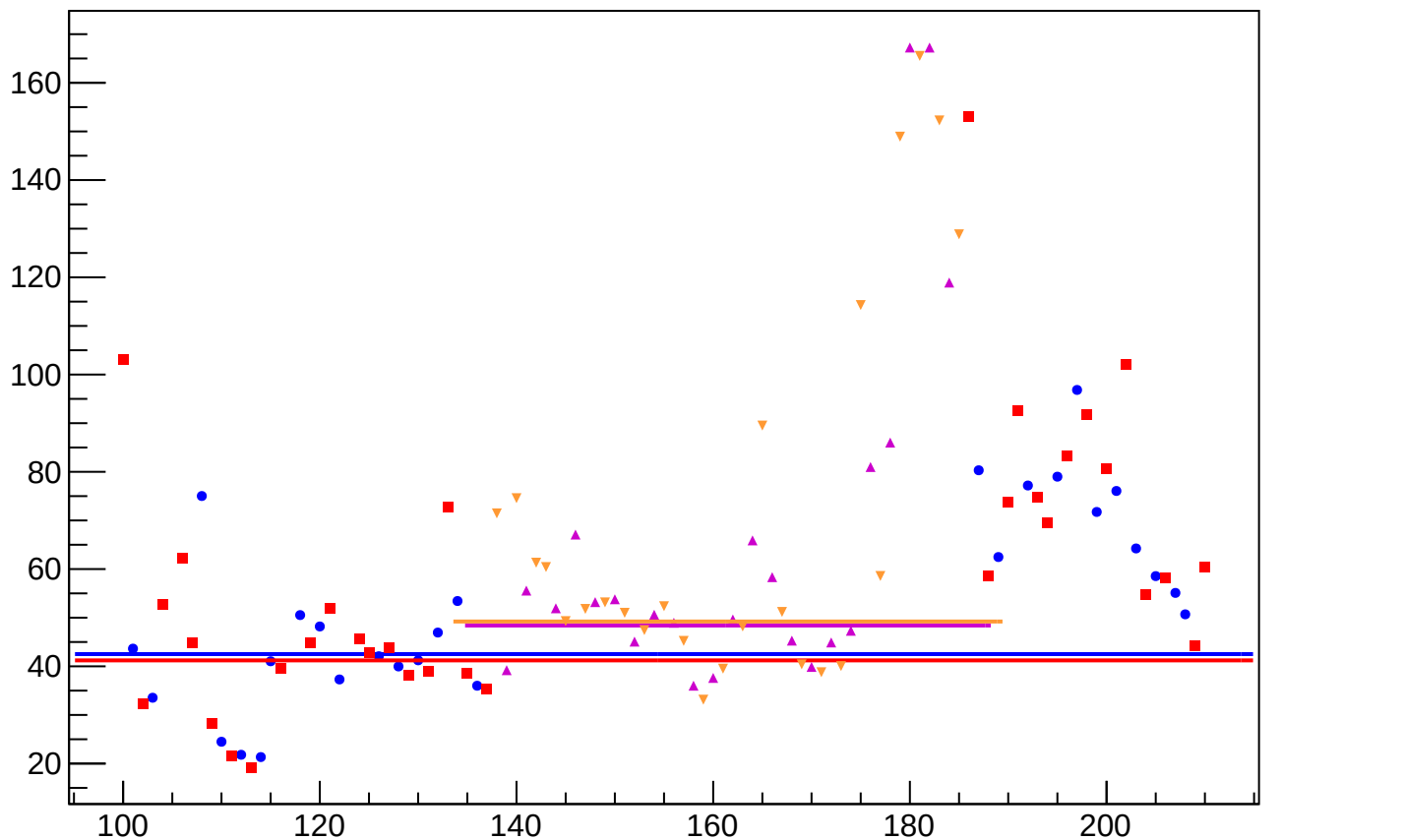
Left In: -0.002 $\pm$ 0.012 χ^2 /NDF: 26.1/22

+ sign 0.009 $\pm$ 0.009 χ^2 /NDF: 62.4/51

All: 0.005 $\pm$ 0.006 χ^2 /NDF: 147.3/107

- sign 0.001 $\pm$ 0.008 χ^2 /NDF: 84.5/55

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.516+/-0.008 χ^2/NDF : 4267708.8/26

Left Out: 49.216+/-0.009 χ^2/NDF : 4171670.0/24

Right Out: 41.221+/-0.008 χ^2/NDF : 6243065.3/32

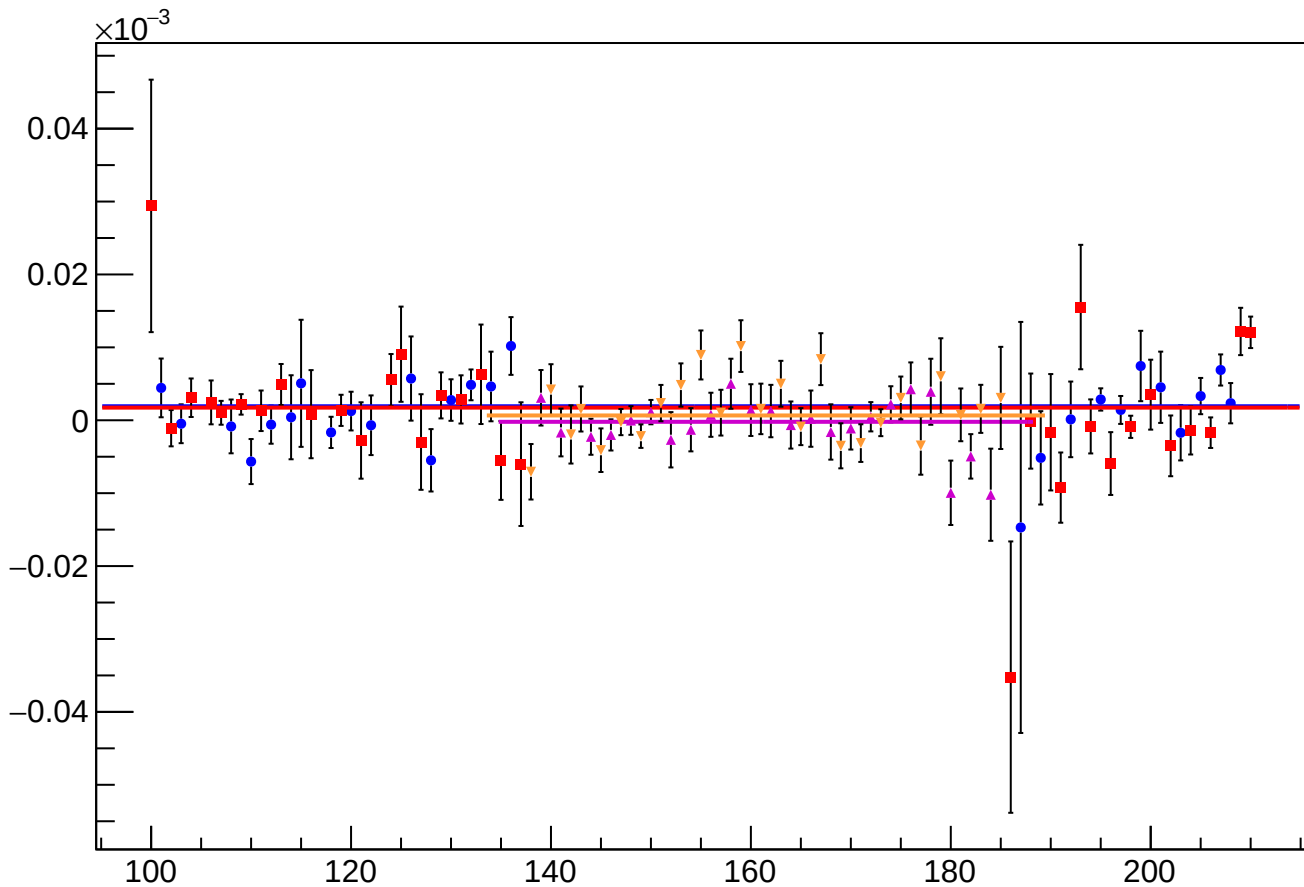
Left In: 48.392+/-0.009 χ^2/NDF : 3033240.8/22

+ sign 45.763+/-0.006 χ^2/NDF : 8745396.9/51

All: 45.073+/-0.004 χ^2/NDF : 18418256.1/107

- sign 44.429+/-0.006 χ^2/NDF : 9647765.5/55

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:41.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 70.2/32

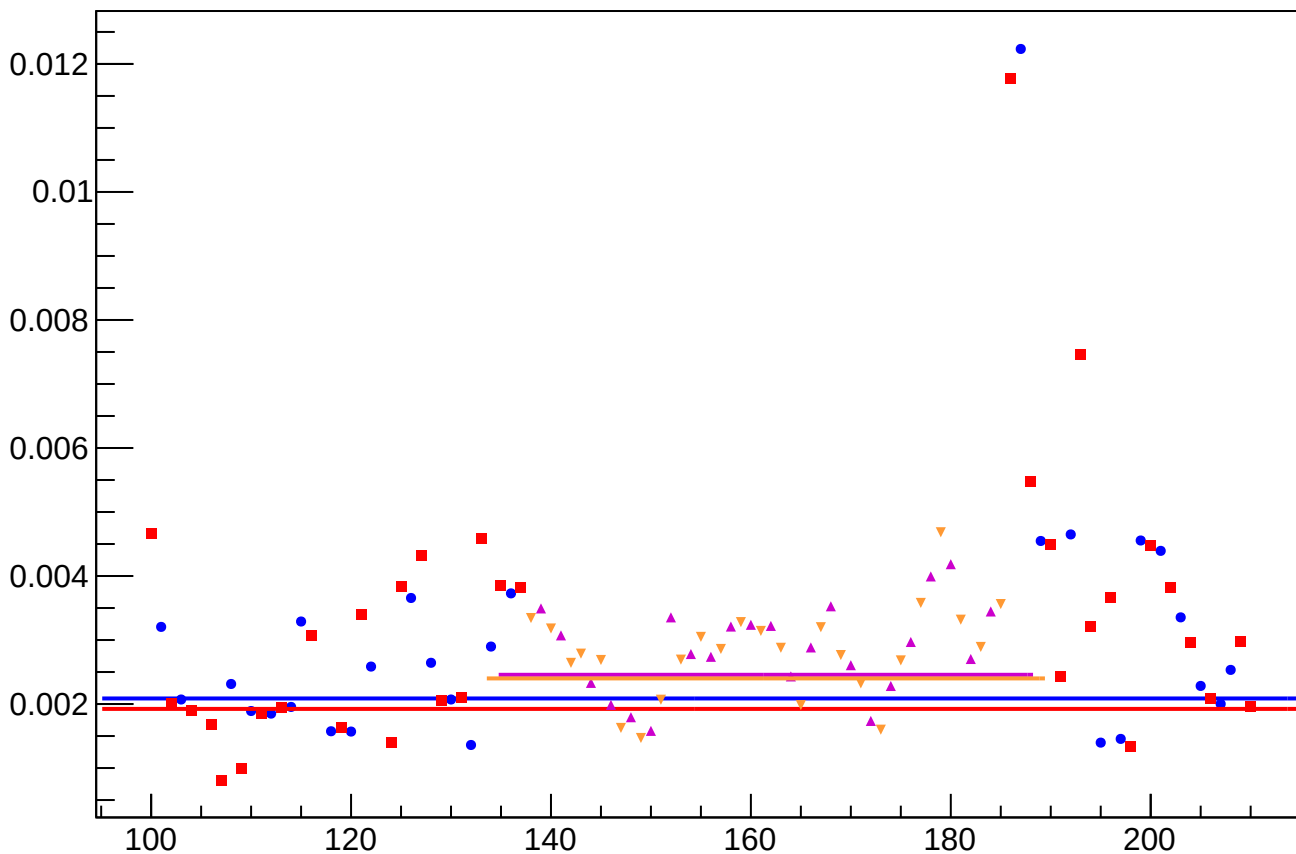
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:19.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 76.8/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 173.1/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 95.9/55

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 ± 0.000 $\chi^2/\text{NDF}: 4192902.8/26$

Left Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3123870.1/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 7794568.7/32$

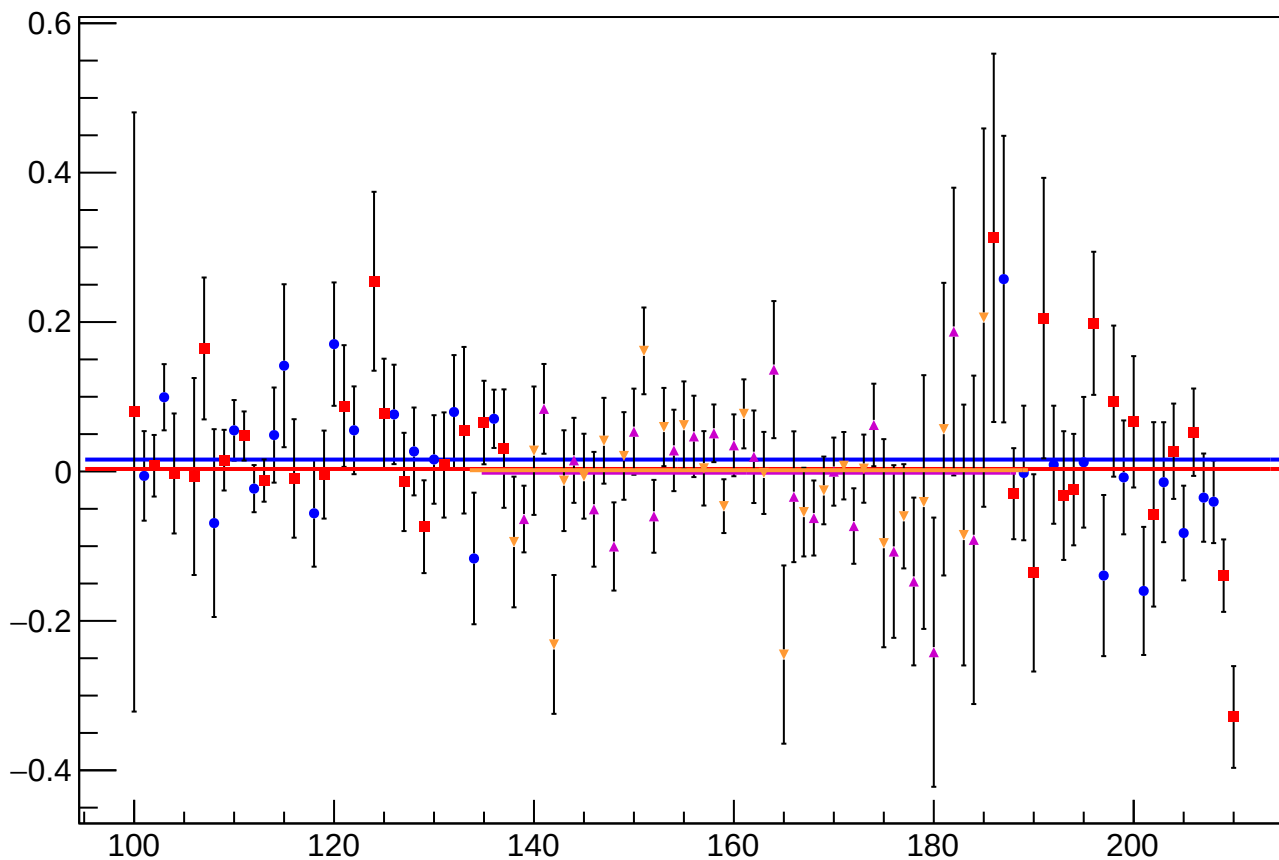
Left In: 0.002 ± 0.000 $\chi^2/\text{NDF}: 2629718.7/22$

+ sign 0.002 ± 0.000 $\chi^2/\text{NDF}: 7611240.8/51$

All: 0.002 ± 0.000 $\chi^2/\text{NDF}: 18976307.3/107$

- sign 0.002 ± 0.000 $\chi^2/\text{NDF}: 11313879.5/55$

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.012 χ^2 /NDF: 31.3/26

Left Out: 0.002 $\pm$ 0.012 χ^2 /NDF:30.4/24

Right Out: 0.003 $\pm$ 0.011 χ^2 /NDF: 58.3/32

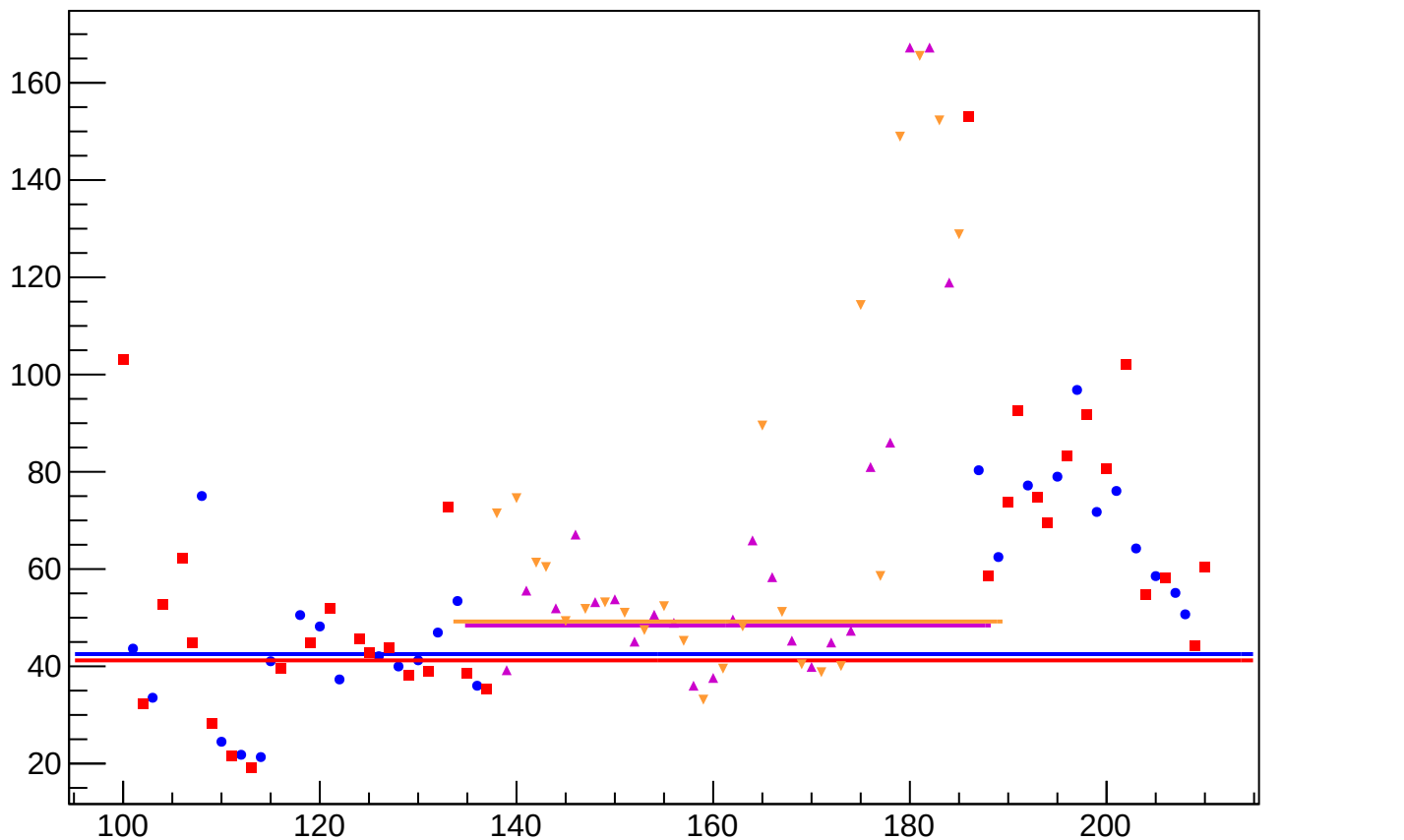
Left In: -0.002 $\pm$ 0.012 χ^2 /NDF:26.1/22

+ sign 0.009 $\pm$ 0.009 χ^2 /NDF: 62.4/51

All: 0.005 $\pm$ 0.006 χ^2 /NDF: 147.3/107

- sign 0.001 $\pm$ 0.008 χ^2 /NDF: 84.5/55

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.517 $\pm$ 0.008 χ^2 /NDF: 4267587.0/26

Left Out: 49.217 $\pm$ 0.009 χ^2 /NDF: 4171640.8/24

Right Out: 41.222 $\pm$ 0.008 χ^2 /NDF: 6242990.1/32

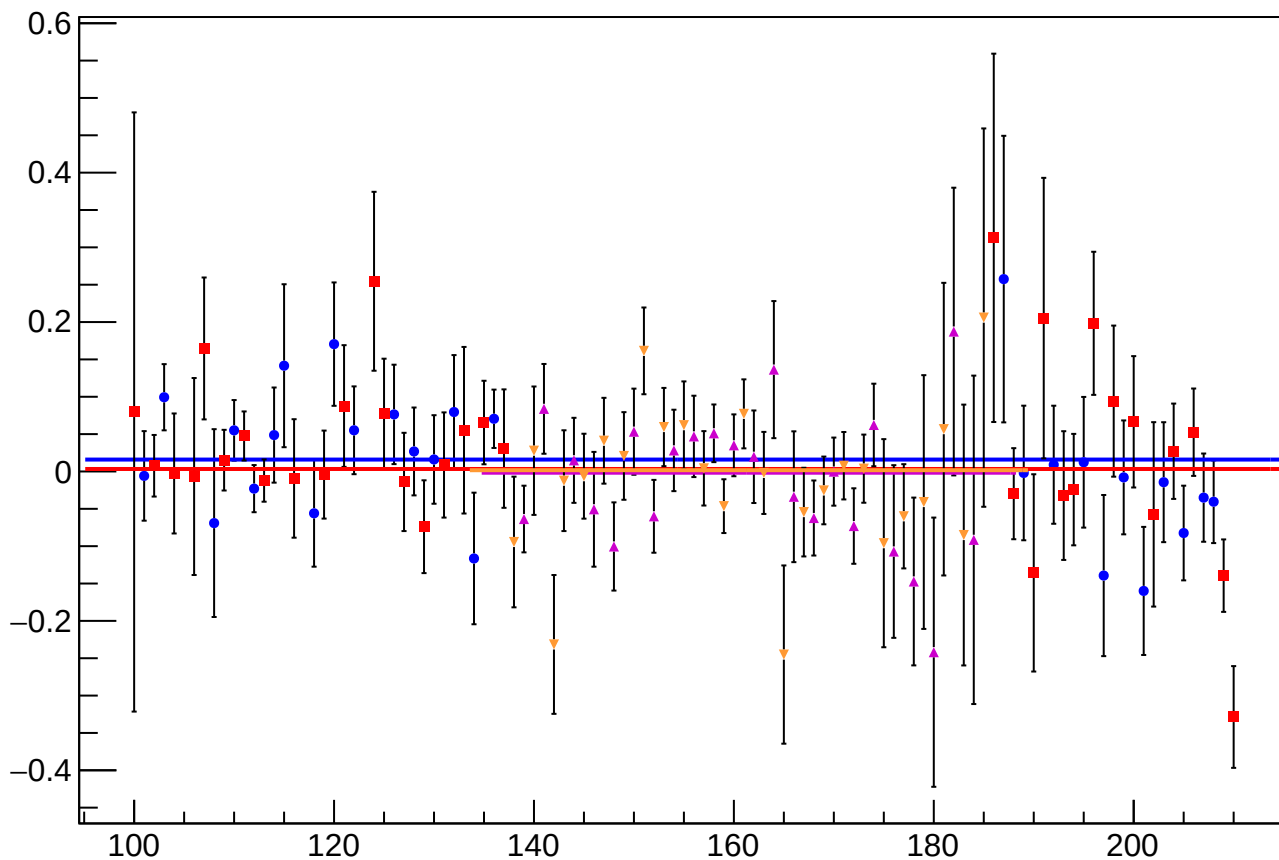
Left In: 48.393 $\pm$ 0.009 χ^2 /NDF: 3033208.4/22

+ sign 45.763 $\pm$ 0.006 χ^2 /NDF: 8745260.7/51

All: 45.074 $\pm$ 0.004 χ^2 /NDF: 18418014.8/107

- sign 44.430 $\pm$ 0.006 χ^2 /NDF: 9647662.1/55

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.012 χ^2 /NDF: 31.3/26

Left Out: 0.002 $\pm$ 0.012 χ^2 /NDF:30.4/24

Right Out: 0.003 $\pm$ 0.011 χ^2 /NDF: 58.3/32

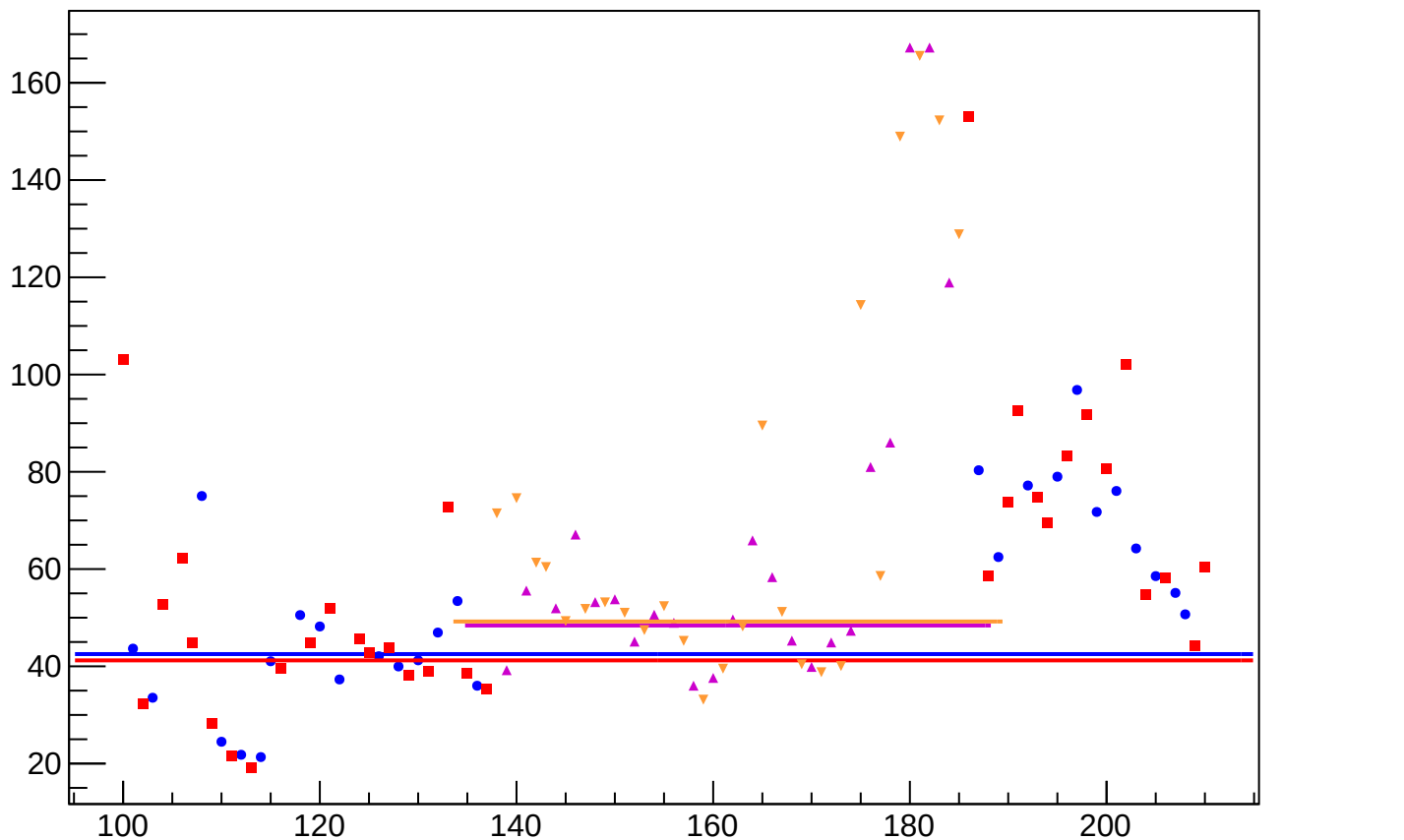
Left In: -0.002 $\pm$ 0.012 χ^2 /NDF:26.1/22

+ sign 0.009 $\pm$ 0.009 χ^2 /NDF: 62.4/51

All: 0.005 $\pm$ 0.006 χ^2 /NDF: 147.3/107

- sign 0.001 $\pm$ 0.008 χ^2 /NDF: 84.5/55

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.517 $\pm$ 0.008 χ^2 /NDF: 4267587.0/26

Left Out: 49.217 $\pm$ 0.009 χ^2 /NDF: 4171640.8/24

Right Out: 41.222 $\pm$ 0.008 χ^2 /NDF: 6242990.1/32

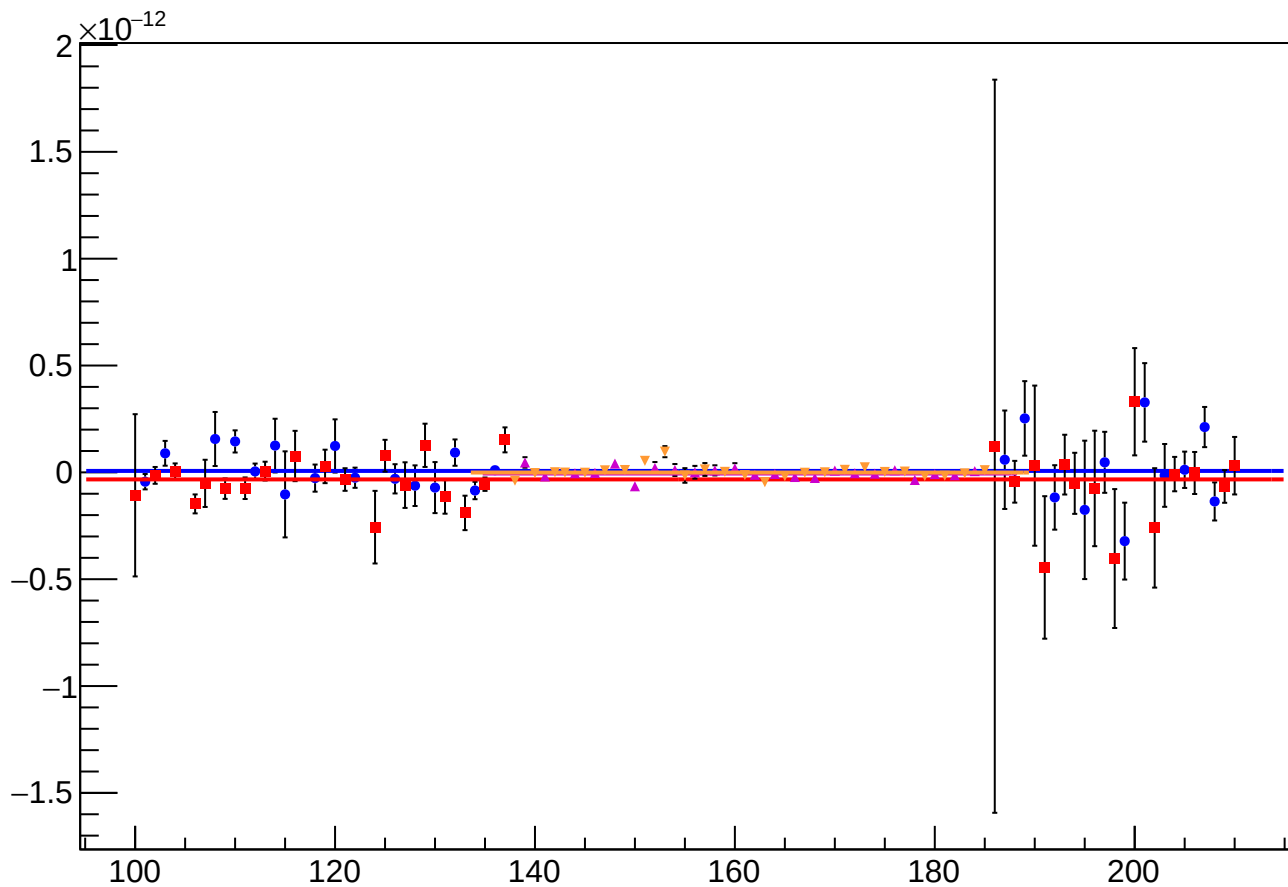
Left In: 48.393 $\pm$ 0.009 χ^2 /NDF: 3033208.4/22

+ sign 45.763 $\pm$ 0.006 χ^2 /NDF: 8745260.7/51

All: 45.074 $\pm$ 0.004 χ^2 /NDF: 18418014.8/107

- sign 44.430 $\pm$ 0.006 χ^2 /NDF: 9647662.1/55

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 40.4/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 37.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 40.0/32

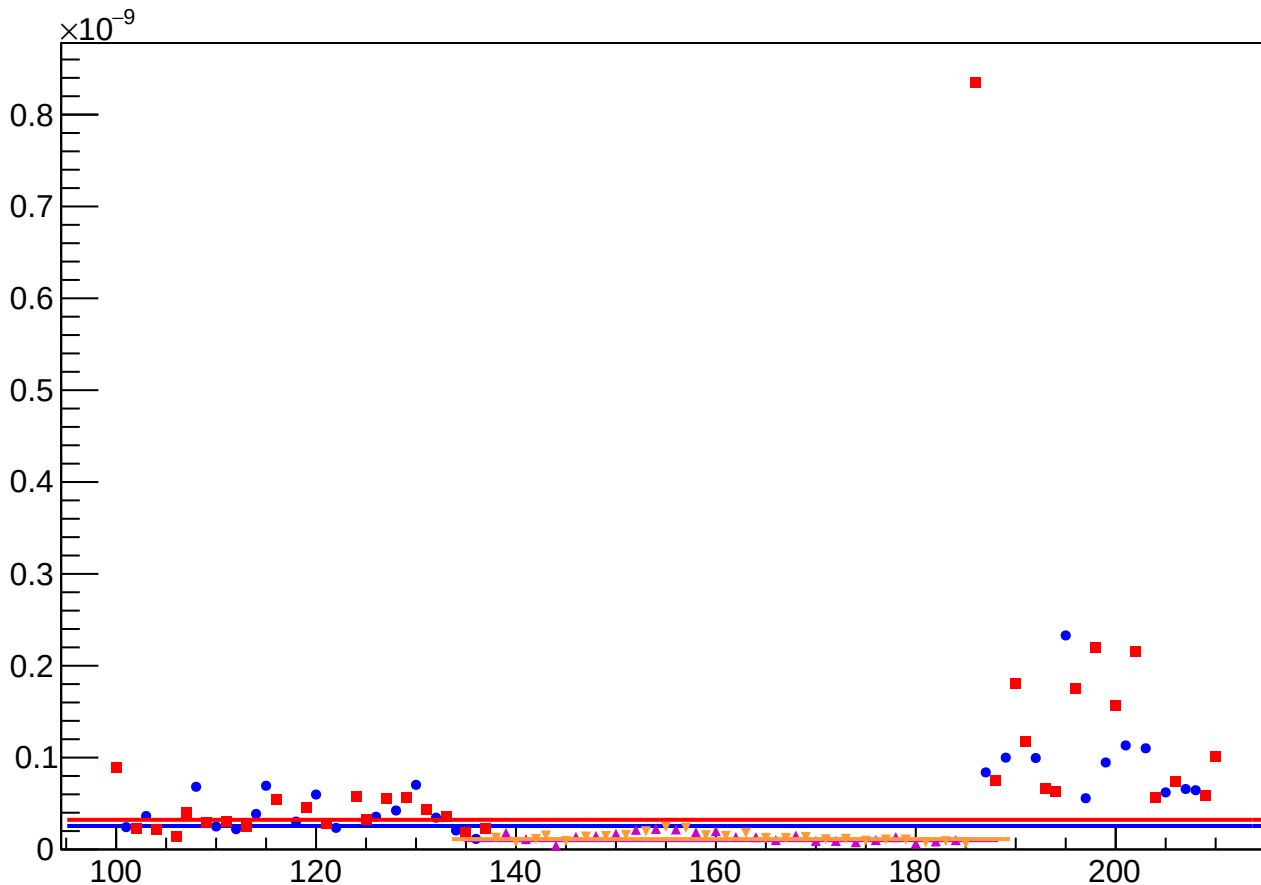
Left In: -0.000 ± 0.000 χ^2/NDF : 28.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 77.8/51

All: -0.000 ± 0.000 χ^2/NDF : 153.5/107

- sign -0.000 ± 0.000 χ^2/NDF : 73.1/55

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6790397.4/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6980222.8/32

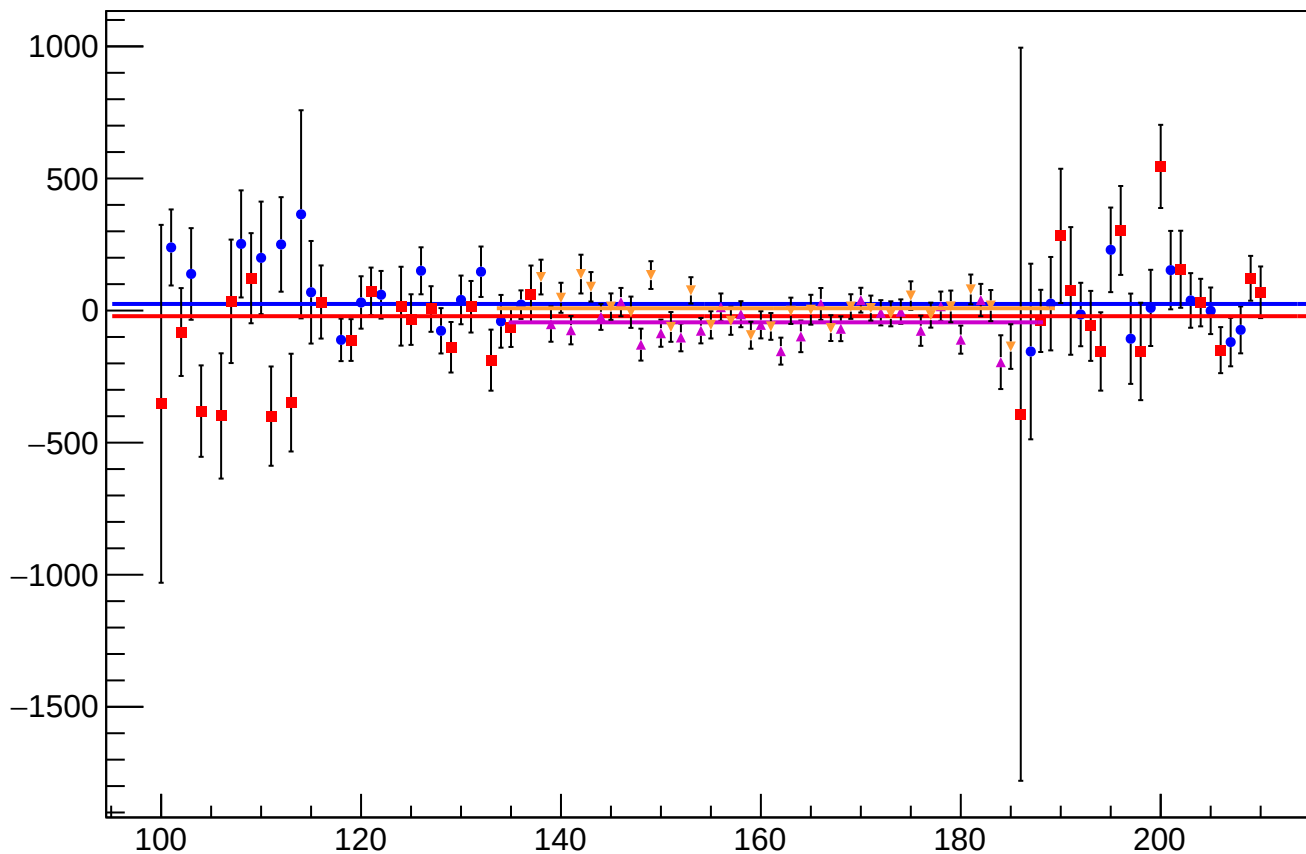
Left In: 0.000+/-0.000 χ^2/NDF : 4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 12088653.6/51

All: 0.000+/-0.000 χ^2/NDF : 29273189.2/107

- sign 0.000+/-0.000 χ^2/NDF : 17096921.3/55

reg_asym_sam_1526_avg_mean vs Slug



Right In: 25.006 ± 21.084 χ^2/NDF : 22.6/26

Left Out: 8.756 ± 10.770 χ^2/NDF : 34.6/24

Right Out: -21.286 ± 21.122 χ^2/NDF : 50.0/32

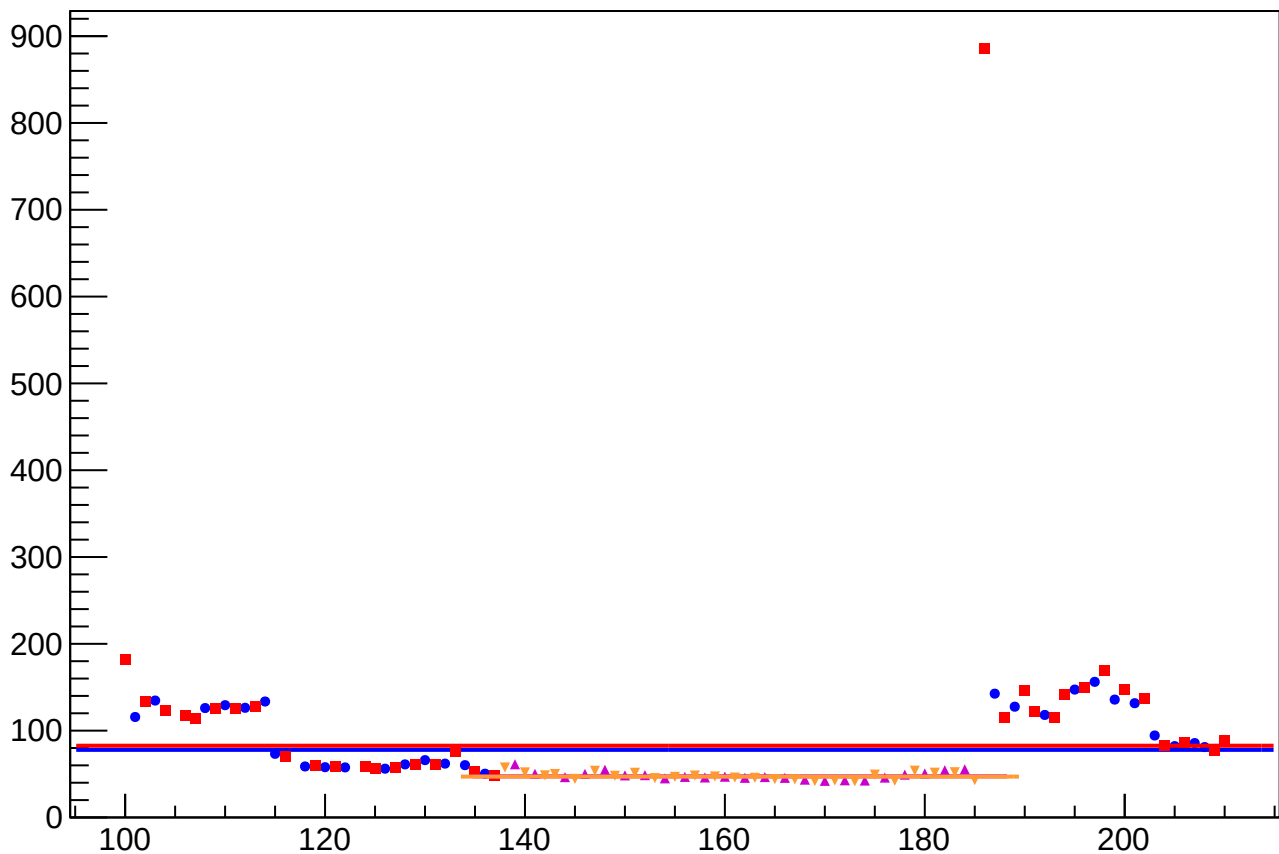
Left In: -44.541 ± 11.149 χ^2/NDF : 27.0/22

+ sign 12.118 ± 9.591 χ^2/NDF : 57.7/51

All: -12.966 ± 6.875 χ^2/NDF : 149.8/107

- sign -39.474 ± 9.860 χ^2/NDF : 78.0/55

reg_asym_sam_1526_avg_rms vs Slug



Right In: 77.858 $\pm$ 0.015 χ^2 /NDF: 3841208.4/26

Left Out: 47.064 $\pm$ 0.008 χ^2 /NDF: 287590.7/24

Right Out: 82.640 $\pm$ 0.015 χ^2 /NDF: 5000958.7/32

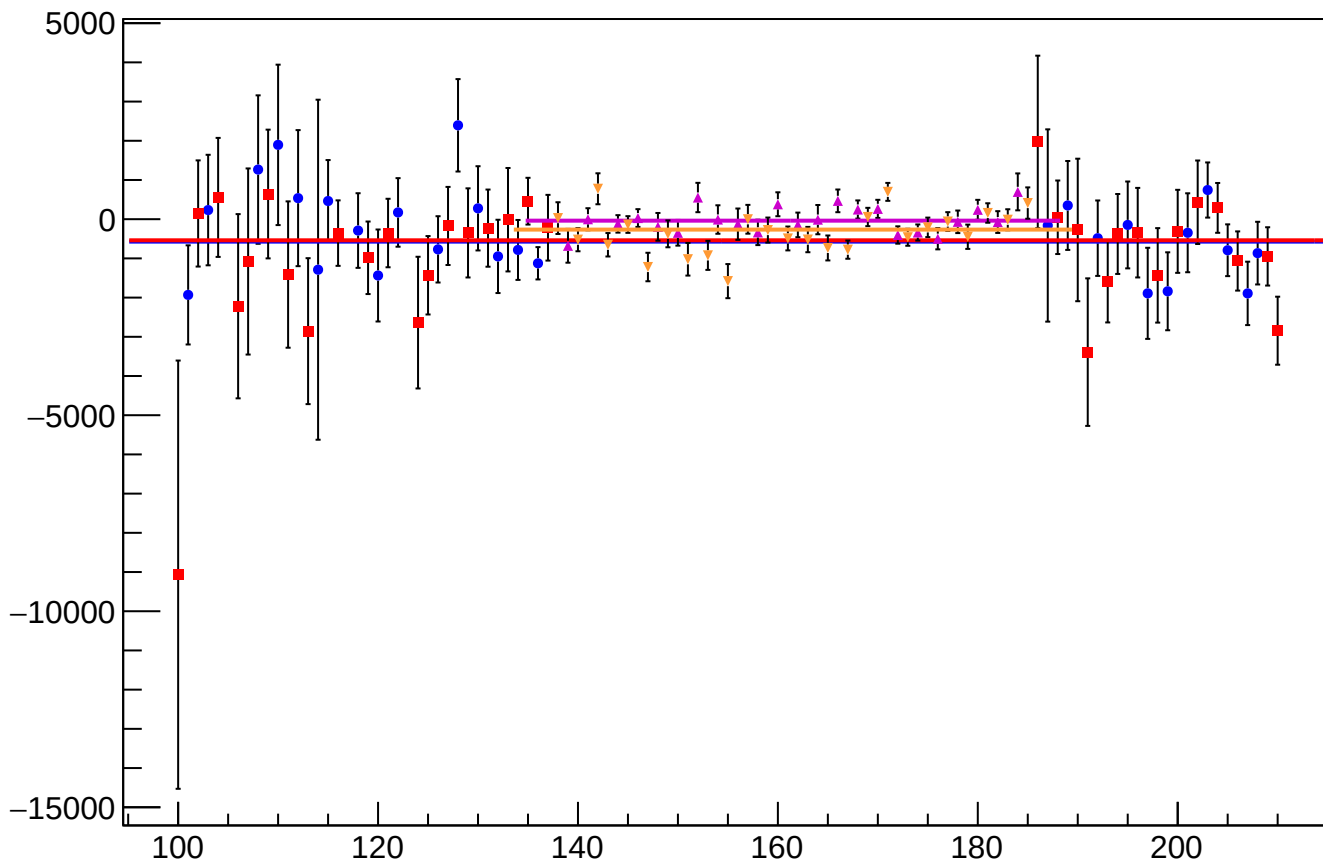
Left In: 47.384 $\pm$ 0.008 χ^2 /NDF: 271036.5/22

+ sign 53.436 $\pm$ 0.007 χ^2 /NDF: 7512424.7/51

All: 54.228 $\pm$ 0.005 χ^2 /NDF: 17170550.3/107

- sign 55.065 $\pm$ 0.007 χ^2 /NDF: 9630062.3/55

asym_sam_1526_avg_reg_correction_mean vs Slug



Right In: -571.785 ± 180.187 χ^2/NDF : 25.9/26

Left Out: -265.684 ± 58.031 χ^2/NDF : 69.8/24

Right Out: -538.612 ± 183.775 χ^2/NDF : 28.2/32

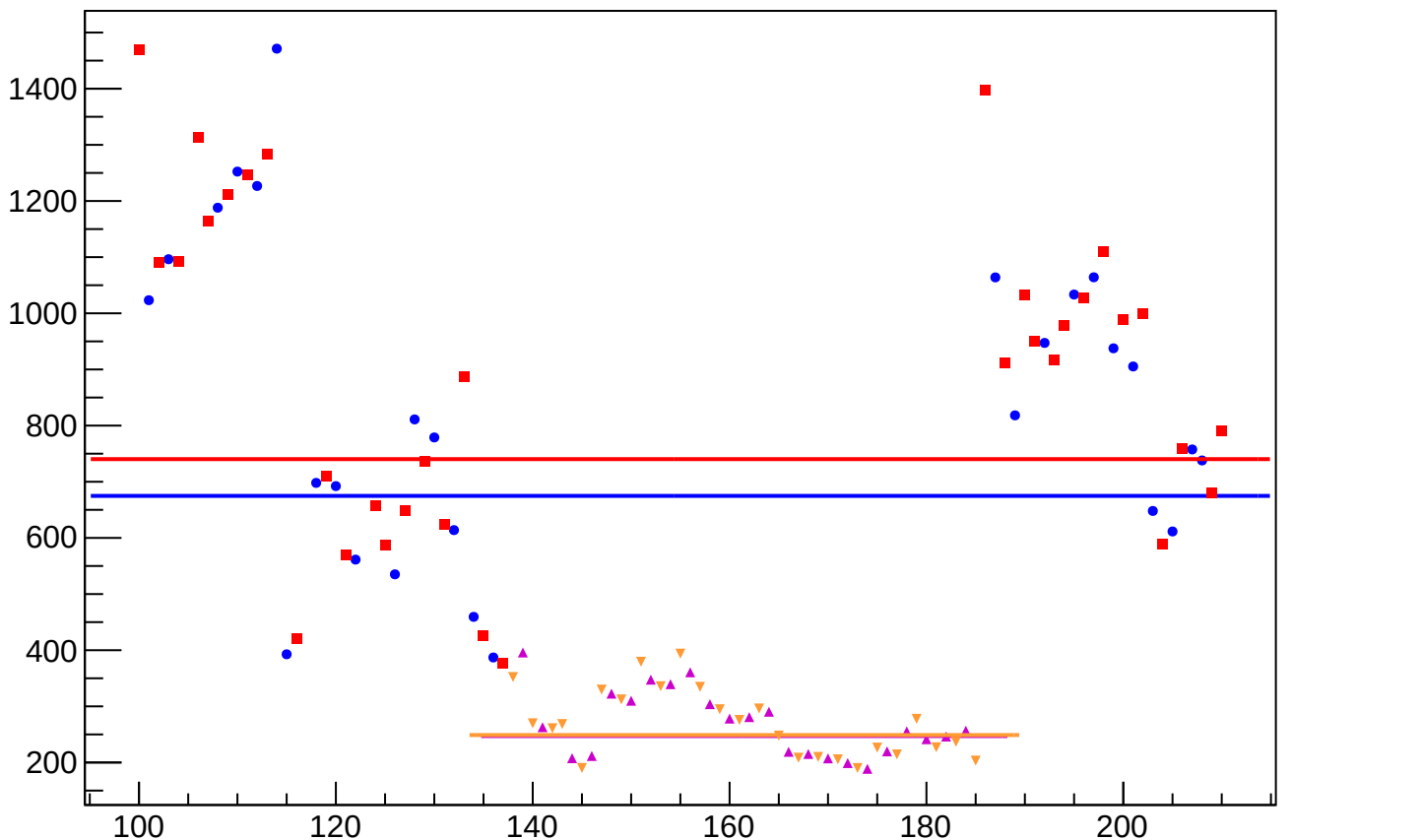
Left In: -37.530 ± 59.159 χ^2/NDF : 26.6/22

+ sign -294.450 ± 55.237 χ^2/NDF : 98.3/51

All: -191.540 ± 39.434 χ^2/NDF : 166.9/107

- sign -84.580 ± 56.314 χ^2/NDF : 61.5/55

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 674.812 $\pm$ 0.127 χ^2 /NDF: 3306253.5/26

Left Out: 248.891 $\pm$ 0.041 χ^2 /NDF:1663709.5/24

Right Out: 740.288 $\pm$ 0.130 χ^2 /NDF: 3532496.6/32

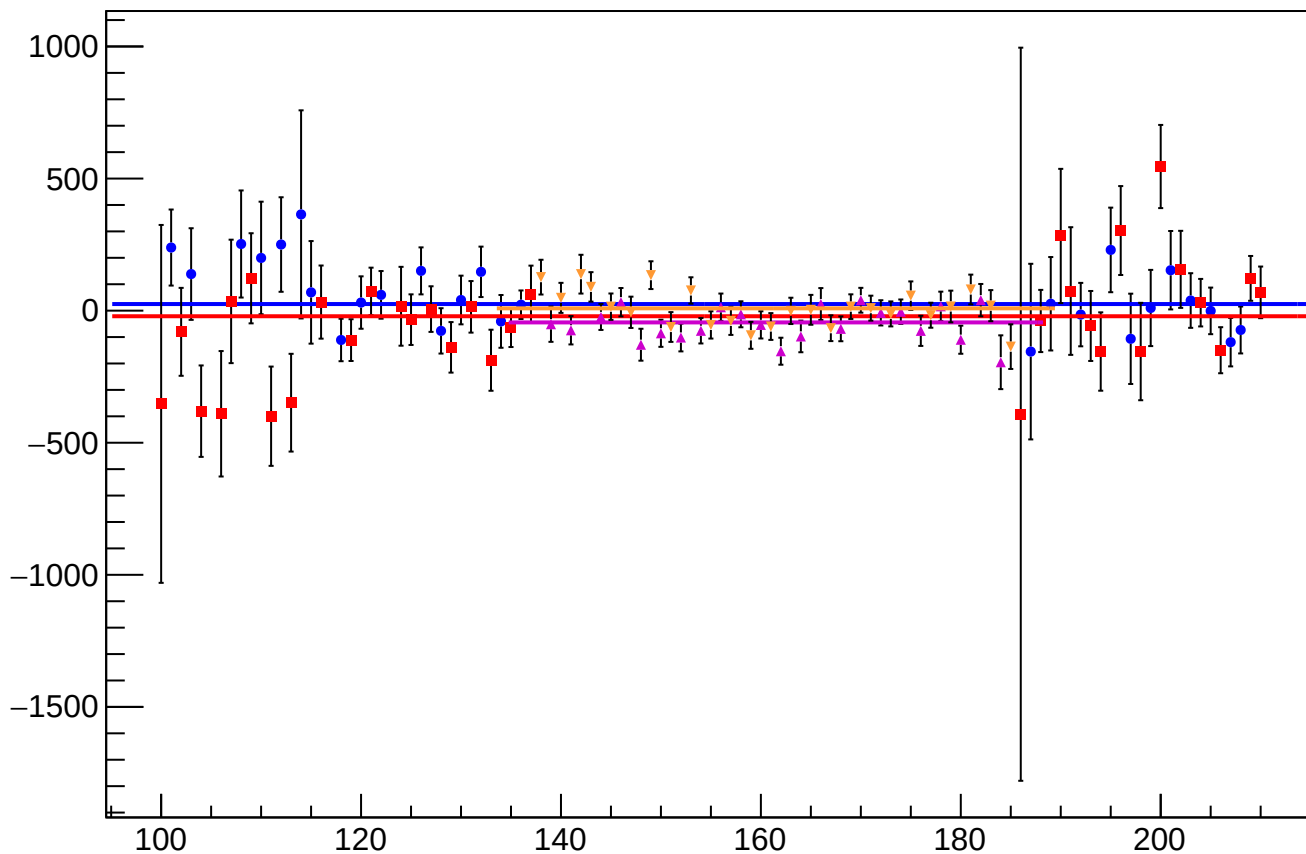
Left In: 247.109 $\pm$ 0.042 χ^2 /NDF:1484450.6/22

+ sign 288.917 $\pm$ 0.039 χ^2 /NDF: 15094633.4/51

All: 291.124 $\pm$ 0.028 χ^2 /NDF: 33169074.0/10

- sign 293.417 $\pm$ 0.040 χ^2 /NDF: 18067931.5/55

cor_asym_sam_1526_avg_mean vs Slug



Right In: 24.997 $\pm$ 21.084 χ^2 /NDF: 22.6/26

Left Out: 8.758 $\pm$ 10.770 χ^2 /NDF:34.6/24

Right Out: -21.194 $\pm$ 21.123 χ^2 /NDF: 49.9/32

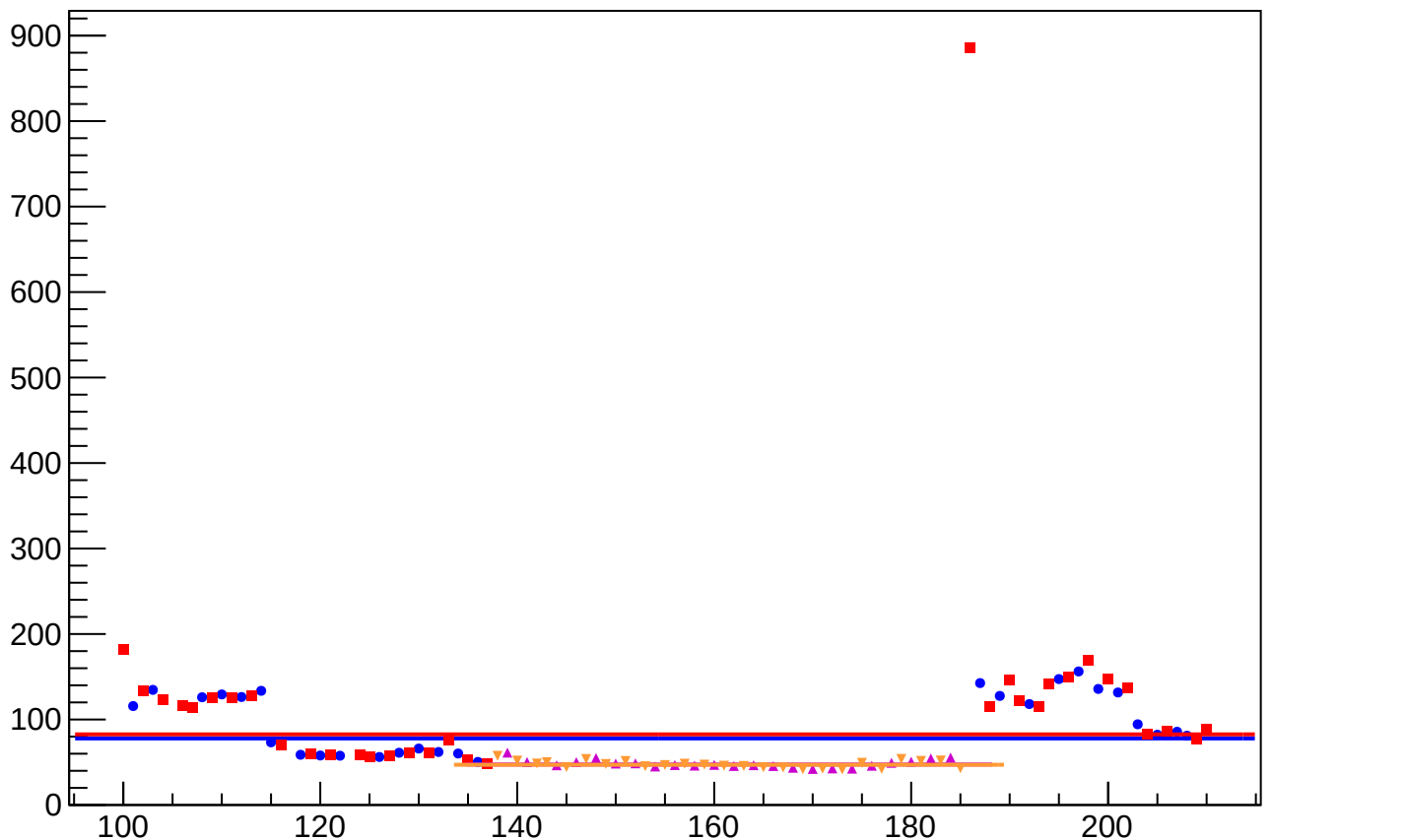
Left In: -44.540 $\pm$ 11.149 χ^2 /NDF:27.0/22

+ sign 12.118 $\pm$ 9.591 χ^2 /NDF: 57.7/51

All: -12.955 $\pm$ 6.875 χ^2 /NDF: 149.6/107

- sign -39.453 $\pm$ 9.860 χ^2 /NDF: 77.9/55

cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.858 $\pm$ 0.015 χ^2/NDF : 3841210.7/26

Left Out: 47.064 $\pm$ 0.008 χ^2/NDF : 287590.7/24

Right Out: 82.632 $\pm$ 0.015 χ^2/NDF : 4998700.5/32

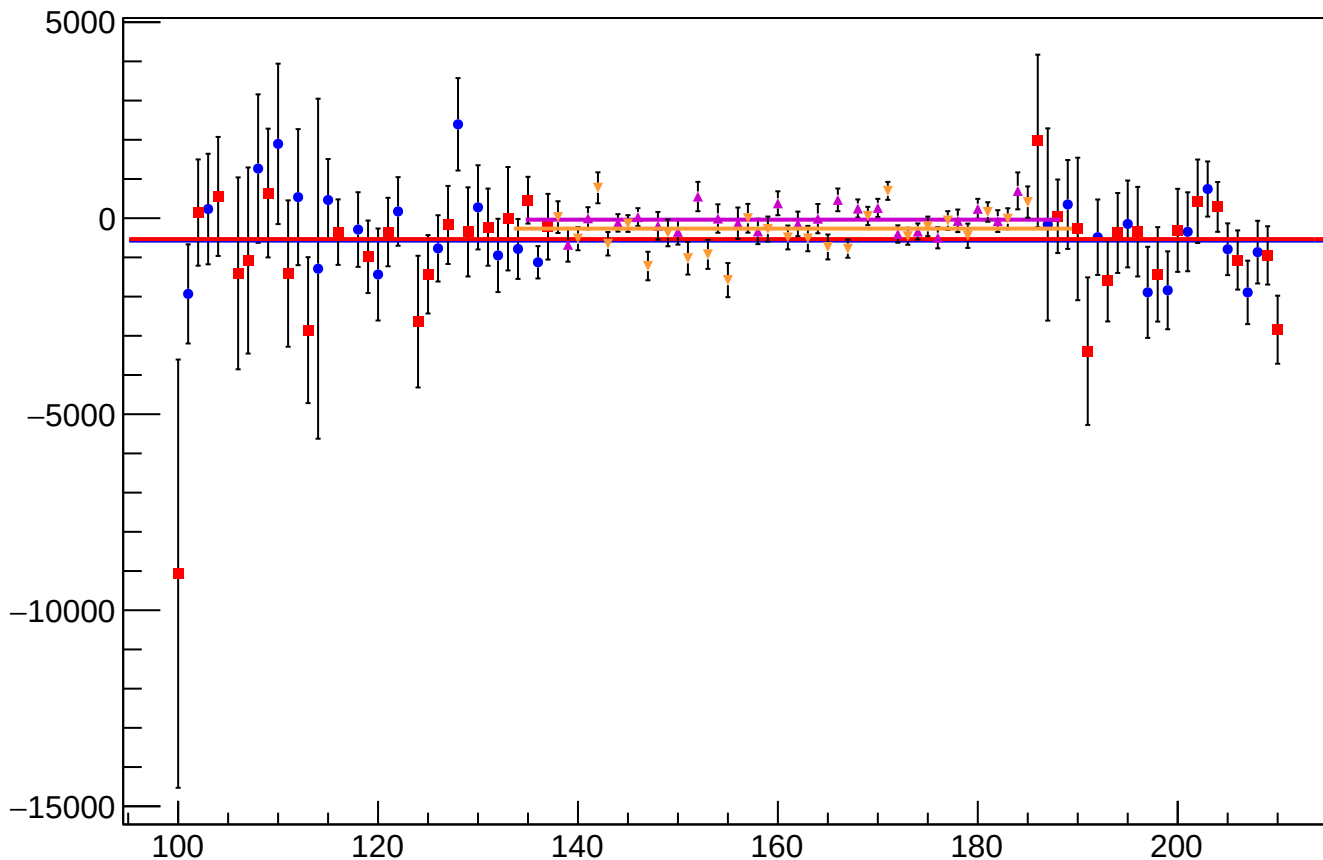
Left In: 47.384 $\pm$ 0.008 χ^2/NDF : 271036.5/22

+ sign 53.436 $\pm$ 0.007 χ^2/NDF : 7512426.8/51

All: 54.227 $\pm$ 0.005 χ^2/NDF : 17166027.1/107

- sign 55.063 $\pm$ 0.007 χ^2/NDF : 9625607.4/55

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -571.777 ± 180.187 χ^2/NDF : 25.9/26

Left Out: -265.680 ± 58.031 χ^2/NDF : 69.8/24

Right Out: -533.278 ± 183.822 χ^2/NDF : 27.8/32

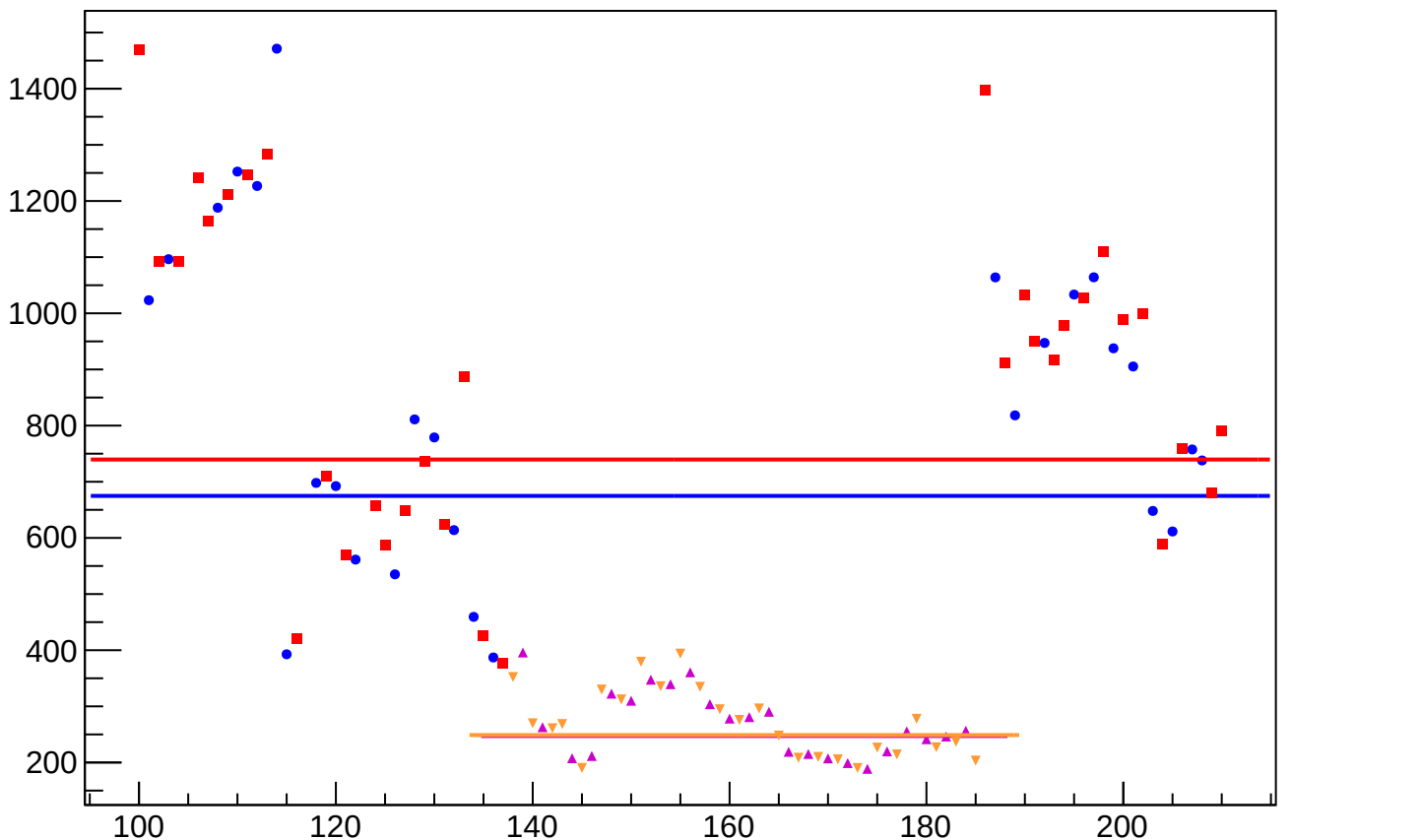
Left In: -37.527 ± 59.159 χ^2/NDF : 26.6/22

+ sign -294.446 ± 55.237 χ^2/NDF : 98.3/51

All: -191.283 ± 39.434 χ^2/NDF : 166.4/107

- sign -84.055 ± 56.315 χ^2/NDF : 61.0/55

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 674.812 ± 0.127 χ^2/NDF : 3306293.0/26

Left Out: 248.891 ± 0.041 χ^2/NDF : 1663717.9/24

Right Out: 739.612 ± 0.130 χ^2/NDF : 3497739.6/32

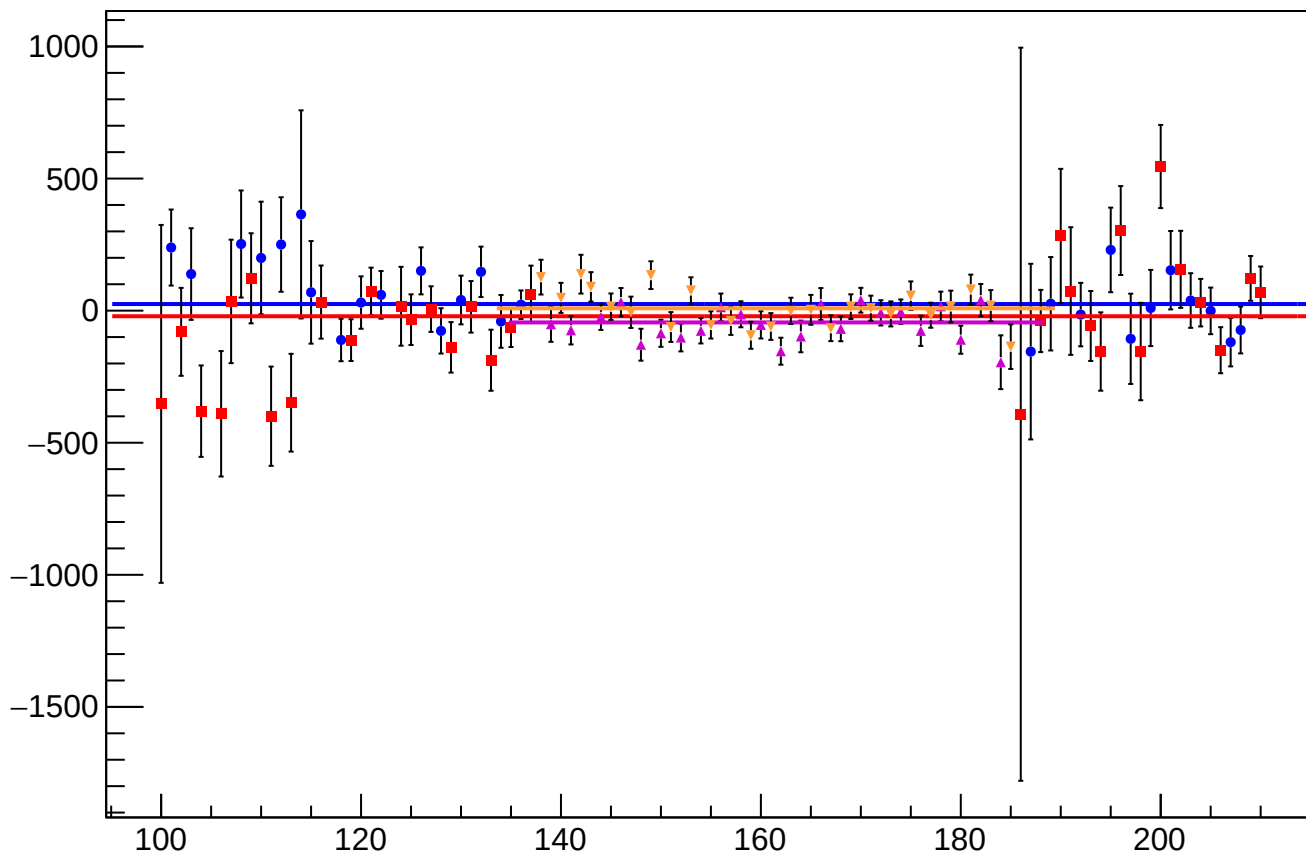
Left In: 247.109 ± 0.042 χ^2/NDF : 1484445.1/22

+ sign 288.917 ± 0.039 χ^2/NDF : 15094674.3/51

All: 291.082 ± 0.028 χ^2/NDF : 33092358.6/10

- sign 293.333 ± 0.040 χ^2/NDF : 17991417.1/55

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 24.997 ± 21.084 χ^2/NDF : 22.6/26

Left Out: 8.758 ± 10.770 χ^2/NDF : 34.6/24

Right Out: -21.194 ± 21.123 χ^2/NDF : 49.9/32

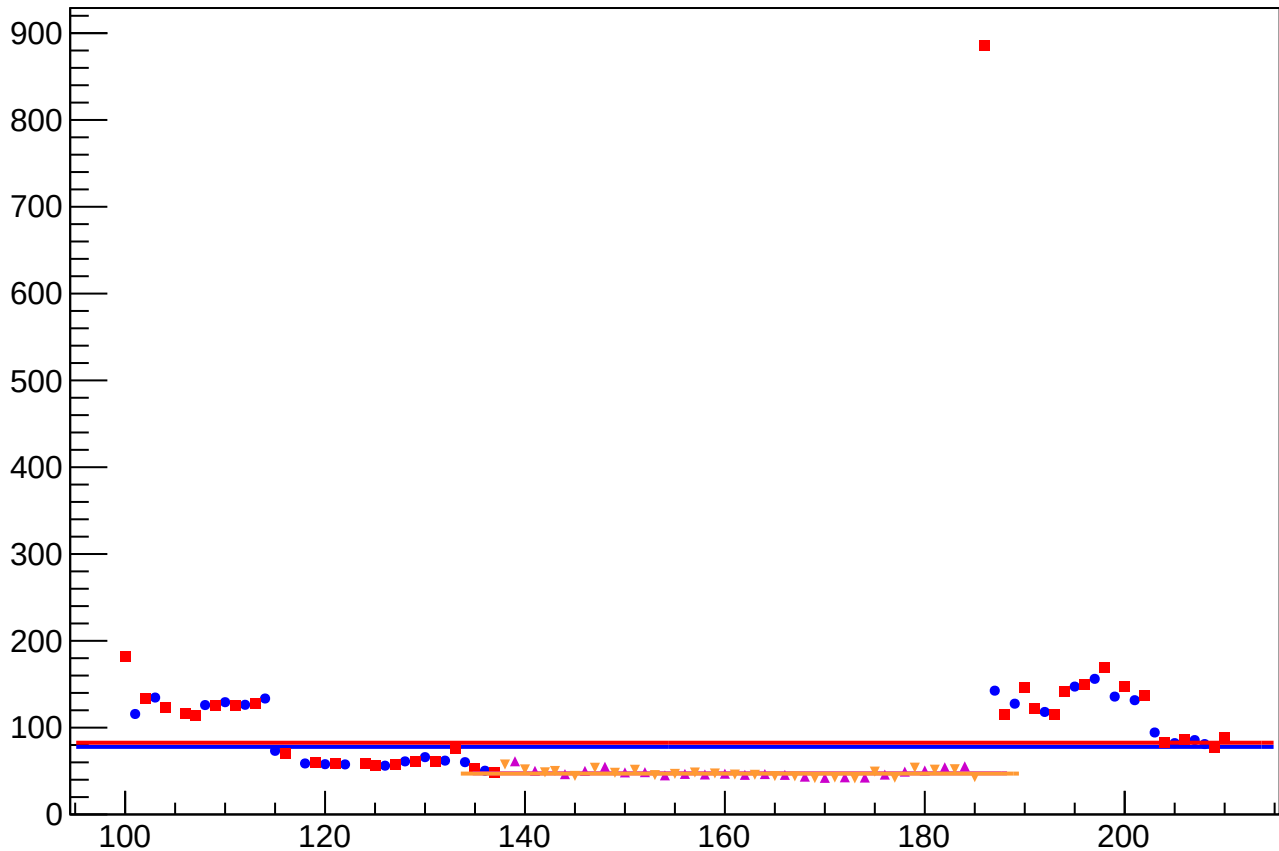
Left In: -44.540 ± 11.149 χ^2/NDF : 27.0/22

+ sign 12.118 ± 9.591 χ^2/NDF : 57.7/51

All: -12.955 ± 6.875 χ^2/NDF : 149.6/107

- sign -39.453 ± 9.860 χ^2/NDF : 77.9/55

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.858 $\pm$ 0.015 χ^2 /NDF: 3841210.7/26

Left Out: 47.064 $\pm$ 0.008 χ^2 /NDF: 287590.7/24

Right Out: 82.632 $\pm$ 0.015 χ^2 /NDF: 4998700.5/32

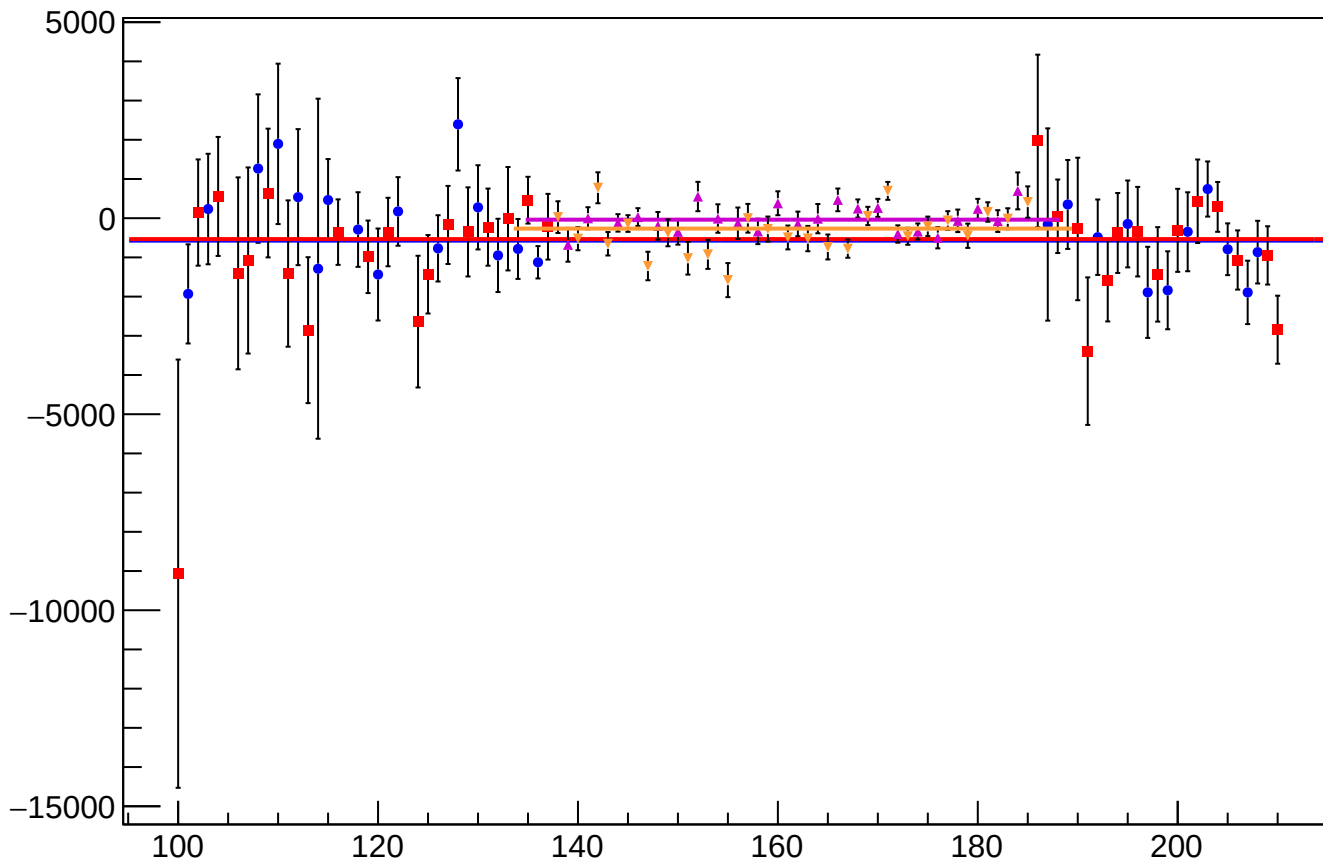
Left In: 47.384 $\pm$ 0.008 χ^2 /NDF: 271036.5/22

+ sign 53.436 $\pm$ 0.007 χ^2 /NDF: 7512426.8/51

All: 54.227 $\pm$ 0.005 χ^2 /NDF: 17166027.1/107

- sign 55.063 $\pm$ 0.007 χ^2 /NDF: 9625607.4/55

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug



Right In: -571.777 ± 180.187 χ^2/NDF : 25.9/26

Left Out: -265.680 ± 58.031 χ^2/NDF : 69.8/24

Right Out: -533.278 ± 183.822 χ^2/NDF : 27.8/32

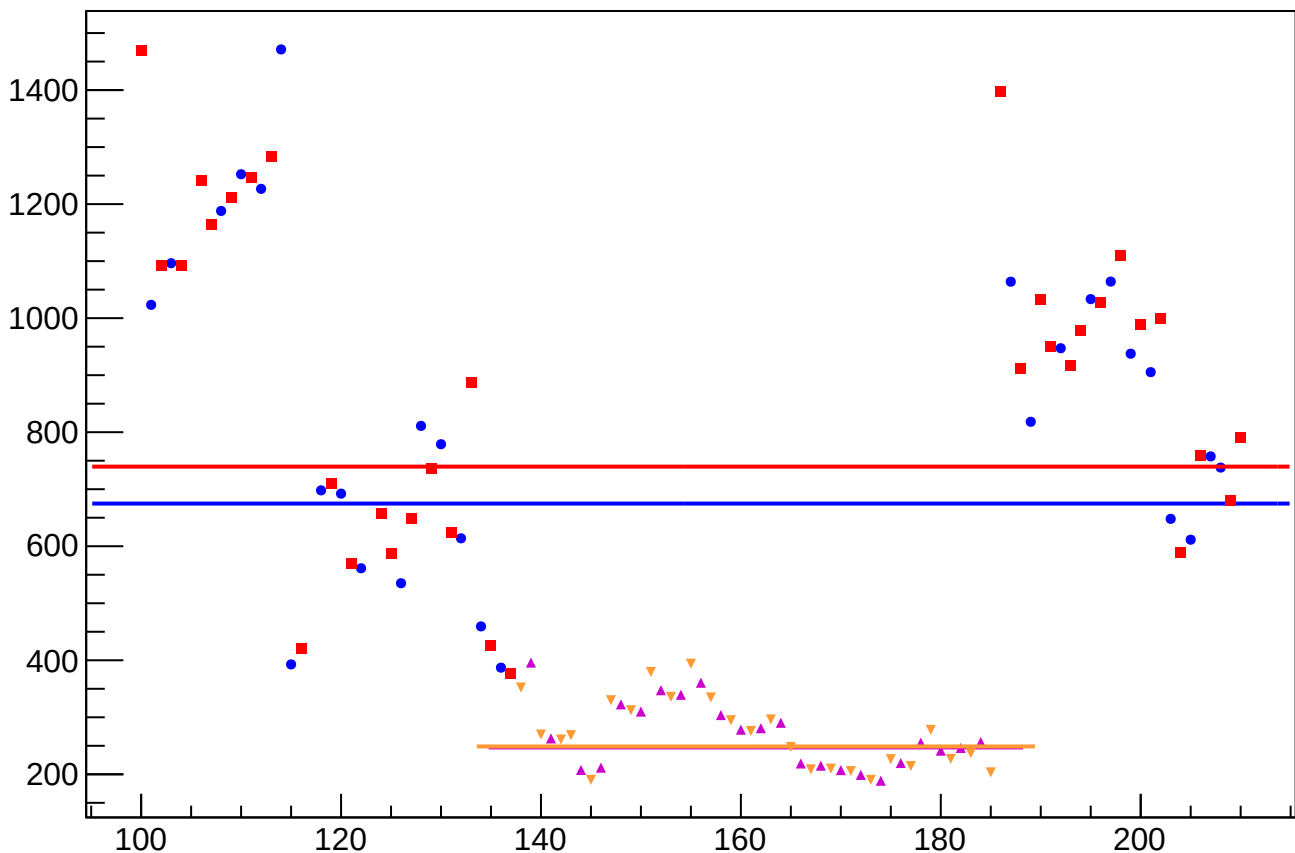
Left In: -37.527 ± 59.159 χ^2/NDF : 26.6/22

+ sign -294.446 ± 55.237 χ^2/NDF : 98.3/51

All: -191.283 ± 39.434 χ^2/NDF : 166.4/107

- sign -84.055 ± 56.315 χ^2/NDF : 61.0/55

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug



Right In: 674.812 $\pm$ 0.127 χ^2 /NDF: 3306293.0/26

Left Out: 248.891 $\pm$ 0.041 χ^2 /NDF:1663717.9/24

Right Out: 739.612 $\pm$ 0.130 χ^2 /NDF: 3497739.6/32

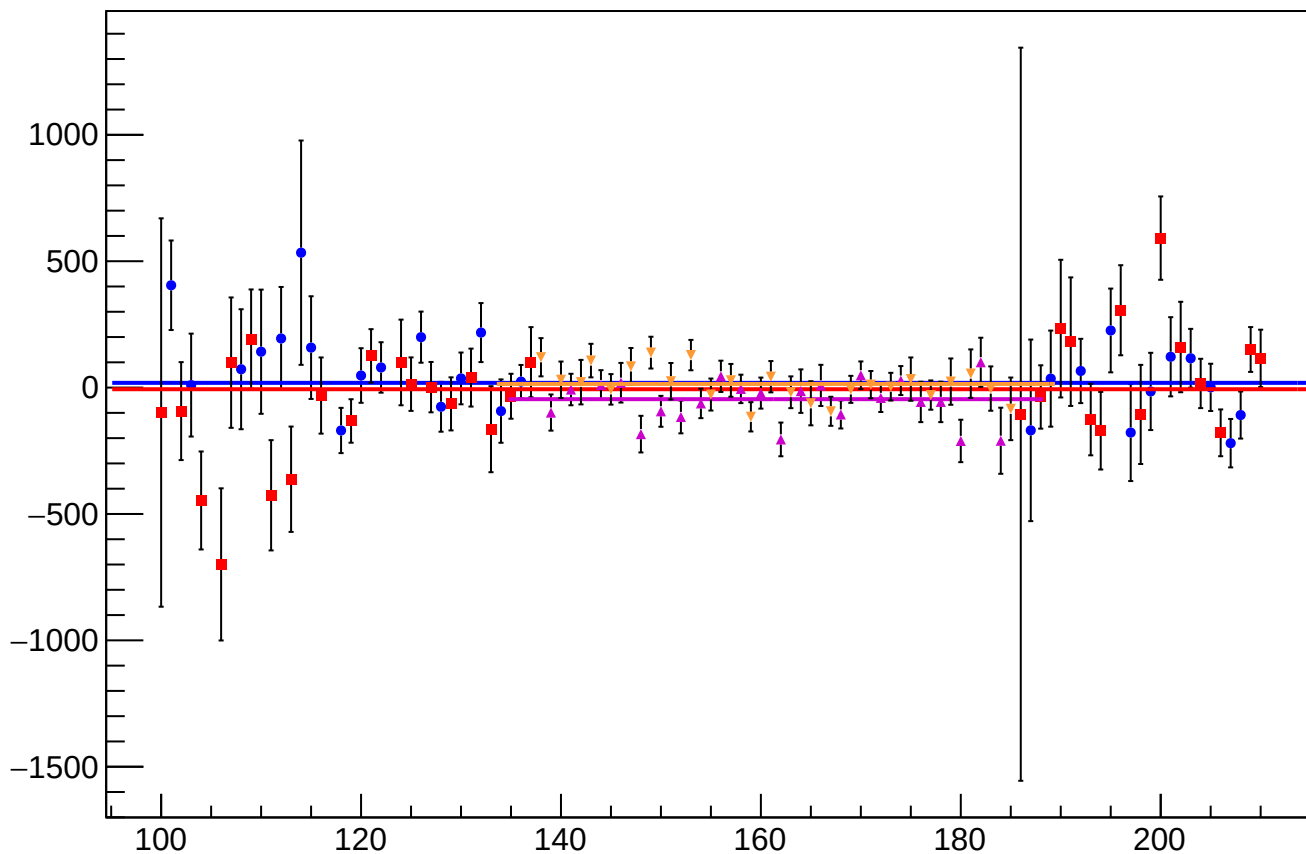
Left In: 247.109 $\pm$ 0.042 χ^2 /NDF:1484445.1/22

+ sign 288.917 $\pm$ 0.039 χ^2 /NDF: 15094674.3/51

All: 291.082 $\pm$ 0.028 χ^2 /NDF: 33092358.6/10

- sign 293.333 $\pm$ 0.040 χ^2 /NDF: 17991417.1/55

dit_asym_sam_1526_avg_mean vs Slug



Right In: 18.757 ± 23.737 χ^2/NDF : 32.7/26

Left Out: 14.498 ± 13.454 χ^2/NDF : 24.5/24

Right Out: -6.442 ± 23.826 χ^2/NDF : 53.1/32

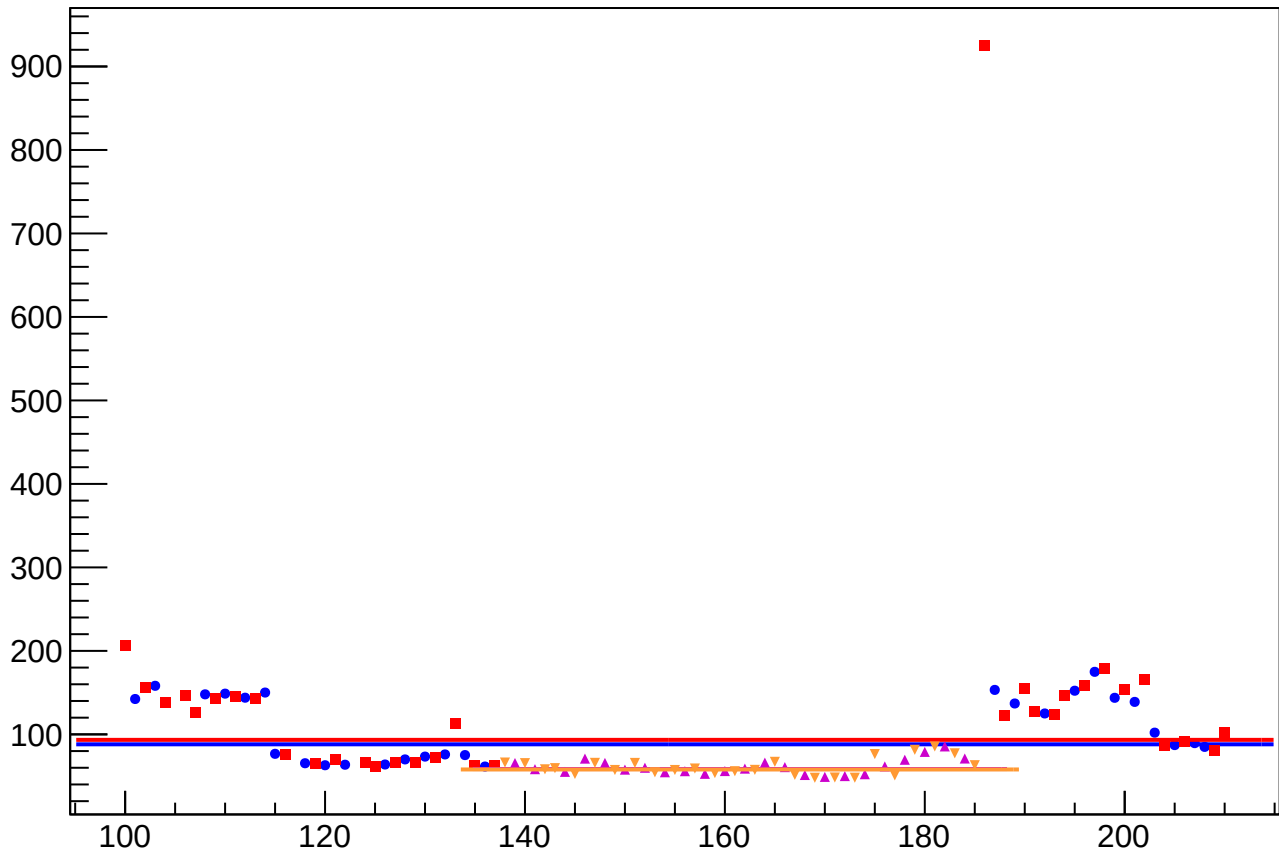
Left In: -45.806 ± 13.931 χ^2/NDF : 30.7/22

+ sign 15.534 ± 11.705 χ^2/NDF : 57.2/51

All: -9.427 ± 8.388 χ^2/NDF : 152.4/107

- sign -35.777 ± 12.026 χ^2/NDF : 85.8/55

dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.088+/-0.017 χ^2/NDF : 3402096.7/26

Left Out: 57.965+/-0.010 χ^2/NDF : 896947.4/24

Right Out: 93.426+/-0.017 χ^2/NDF : 4612846.8/32

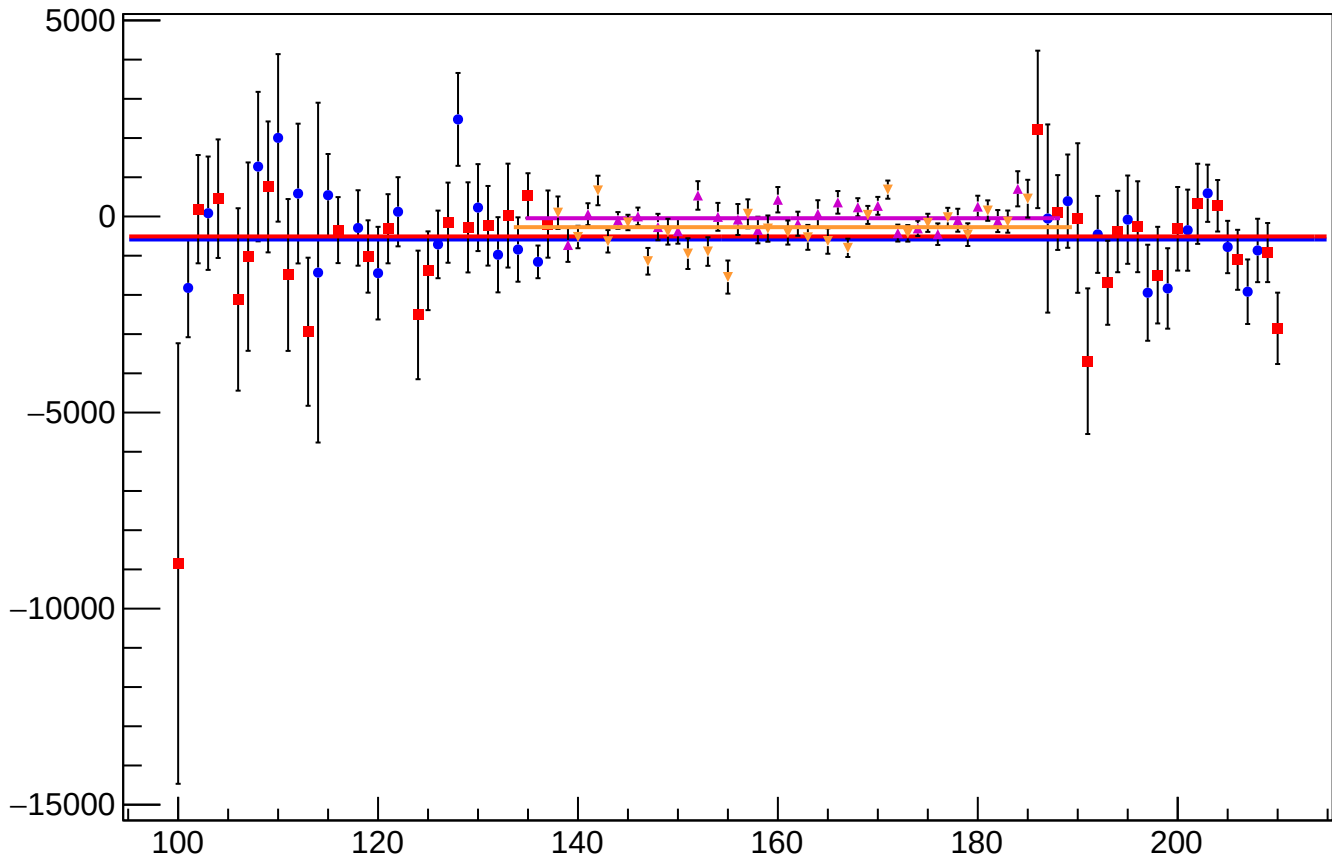
Left In: 58.479+/-0.010 χ^2/NDF : 649919.9/22

+ sign 65.290+/-0.008 χ^2/NDF : 6736760.2/51

All: 66.308+/-0.006 χ^2/NDF : 15237081.6/107

- sign 67.383+/-0.009 χ^2/NDF : 8469217.5/55

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -586.941 $\pm$ 183.910 χ^2/NDF : 25.0/26

Left Out: -272.513 $\pm$ 57.274 χ^2/NDF : 65.8/24

Right Out: -509.075 $\pm$ 185.260 χ^2/NDF : 29.2/32

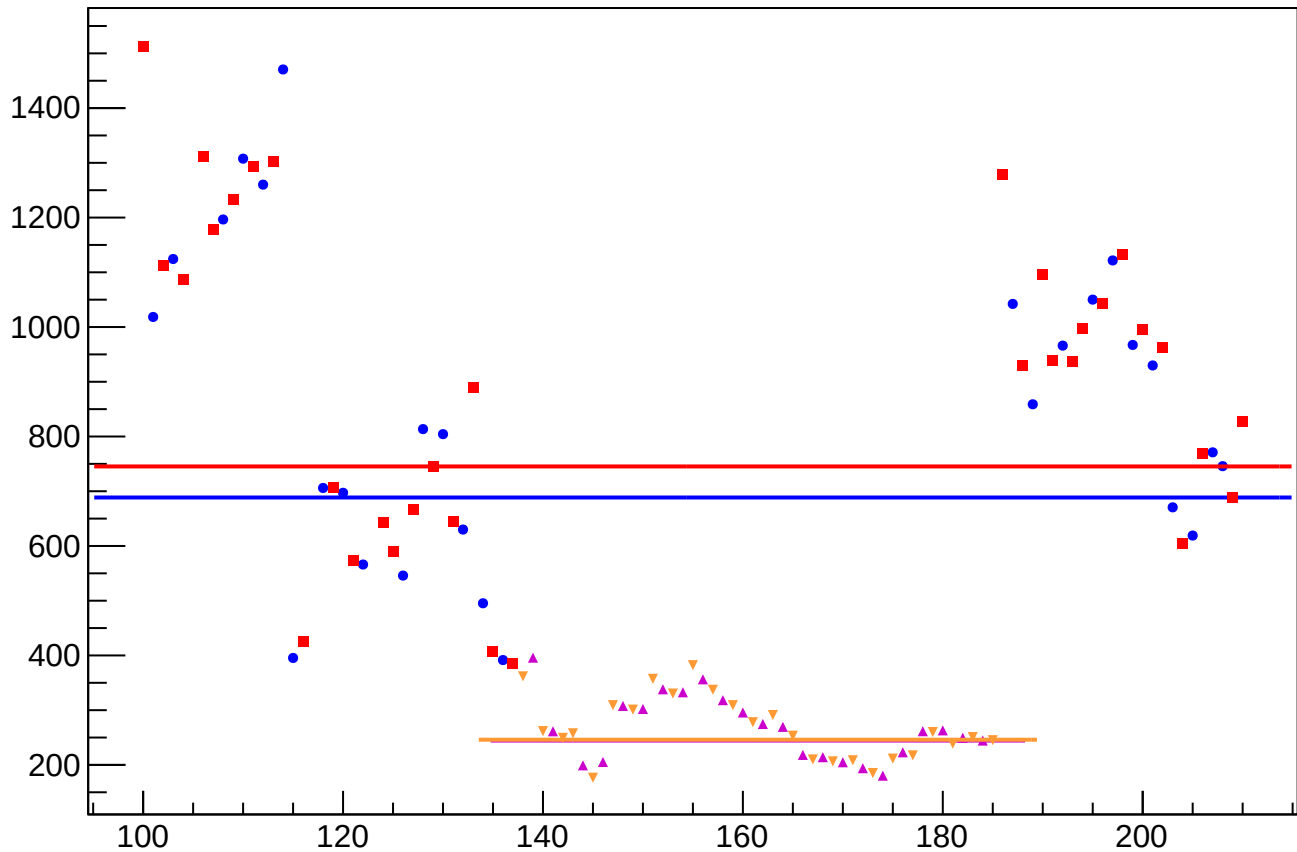
Left In: -44.553 $\pm$ 58.614 χ^2/NDF : 26.5/22

+ sign -300.312 $\pm$ 54.684 χ^2/NDF : 93.4/51

All: -195.884 $\pm$ 39.085 χ^2/NDF : 162.3/107

- sign -86.821 $\pm$ 55.884 χ^2/NDF : 61.4/55

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 688.554 +/- 0.130 χ^2/NDF : 3339668.4/26

Left Out: 246.017 +/- 0.040 χ^2/NDF : 1680565.1/24

Right Out: 745.302 +/- 0.131 χ^2/NDF : 3643102.6/32

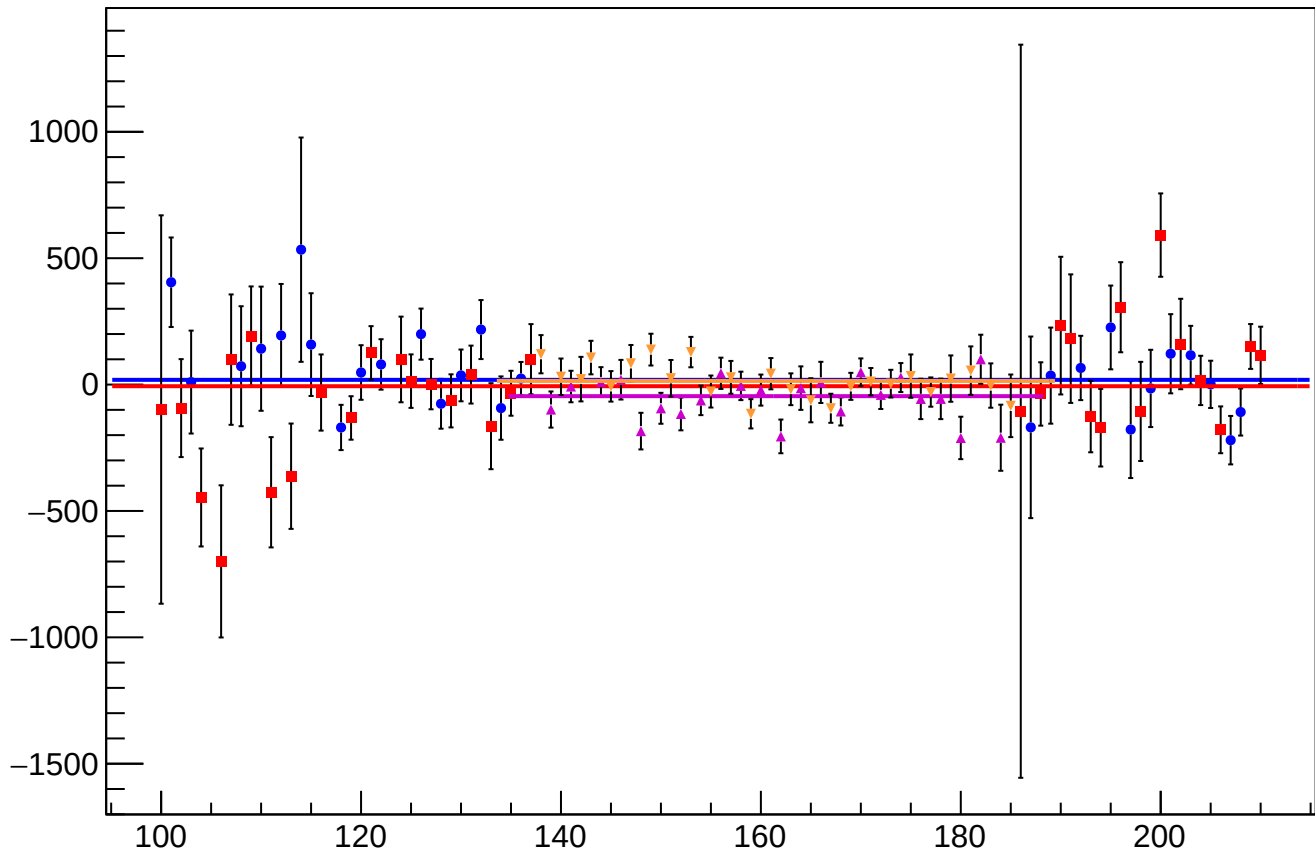
Left In: 244.450 +/- 0.041 χ^2/NDF : 1596988.0/22

+ sign 285.142 +/- 0.039 χ^2/NDF : 15576725.0/51

All: 287.530 +/- 0.028 χ^2/NDF : 34112428.9/10

- sign 290.024 +/- 0.040 χ^2/NDF : 18527904.6/55

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 18.758 ± 23.736 $\chi^2/\text{NDF}: 32.7/26$

Left Out: 14.498 ± 13.454 $\chi^2/\text{NDF}: 24.5/24$

Right Out: -6.442 ± 23.826 $\chi^2/\text{NDF}: 53.1/32$

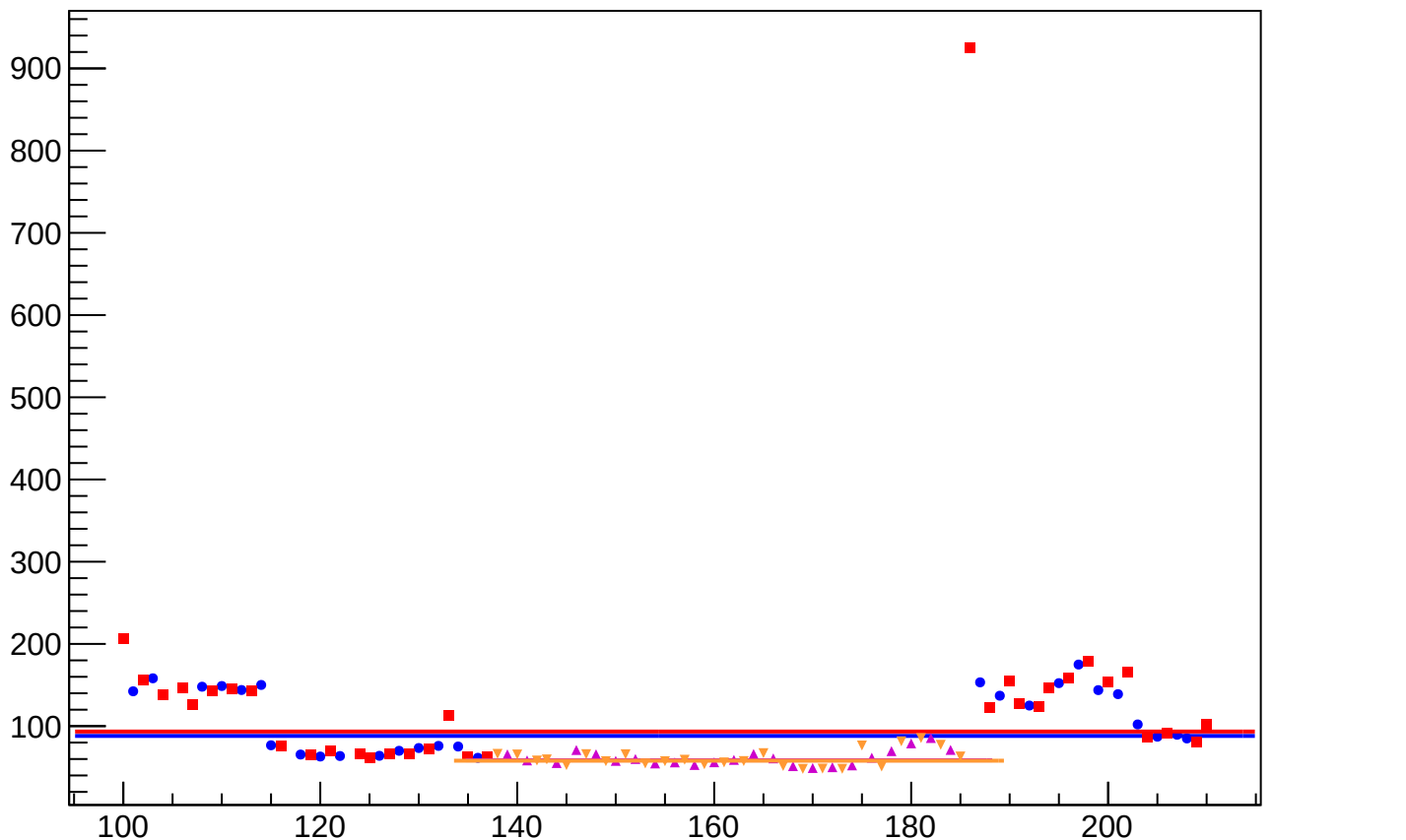
Left In: -45.805 ± 13.931 $\chi^2/\text{NDF}: 30.7/22$

+ sign 15.534 ± 11.705 $\chi^2/\text{NDF}: 57.2/51$

All: -9.426 ± 8.388 $\chi^2/\text{NDF}: 152.4/107$

- sign -35.776 ± 12.026 $\chi^2/\text{NDF}: 85.8/55$

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.088+/-0.017 χ^2/NDF : 3402098.6/26

Left Out: 57.965+/-0.010 χ^2/NDF : 896952.8/24

Right Out: 93.426+/-0.017 χ^2/NDF : 4612858.5/32

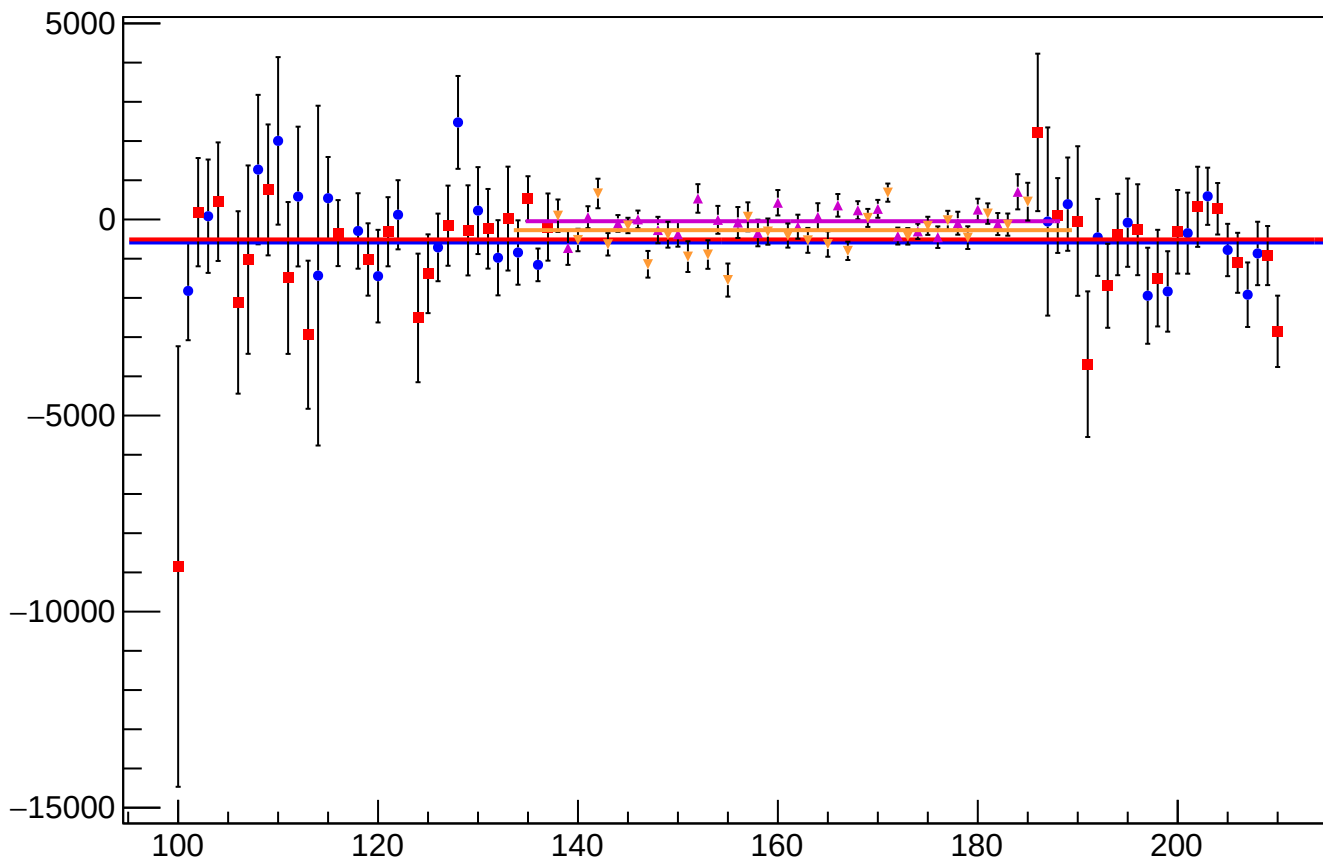
Left In: 58.479+/-0.010 χ^2/NDF : 649911.4/22

+ sign 65.290+/-0.008 χ^2/NDF : 6736716.1/51

All: 66.308+/-0.006 χ^2/NDF : 15236978.2/107

- sign 67.383+/-0.009 χ^2/NDF : 8469156.0/55

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug



Right In: -586.940 ± 183.910 χ^2/NDF : 25.0/26

Left Out: -272.512 ± 57.274 χ^2/NDF : 65.8/24

Right Out: -509.075 ± 185.260 χ^2/NDF : 29.2/32

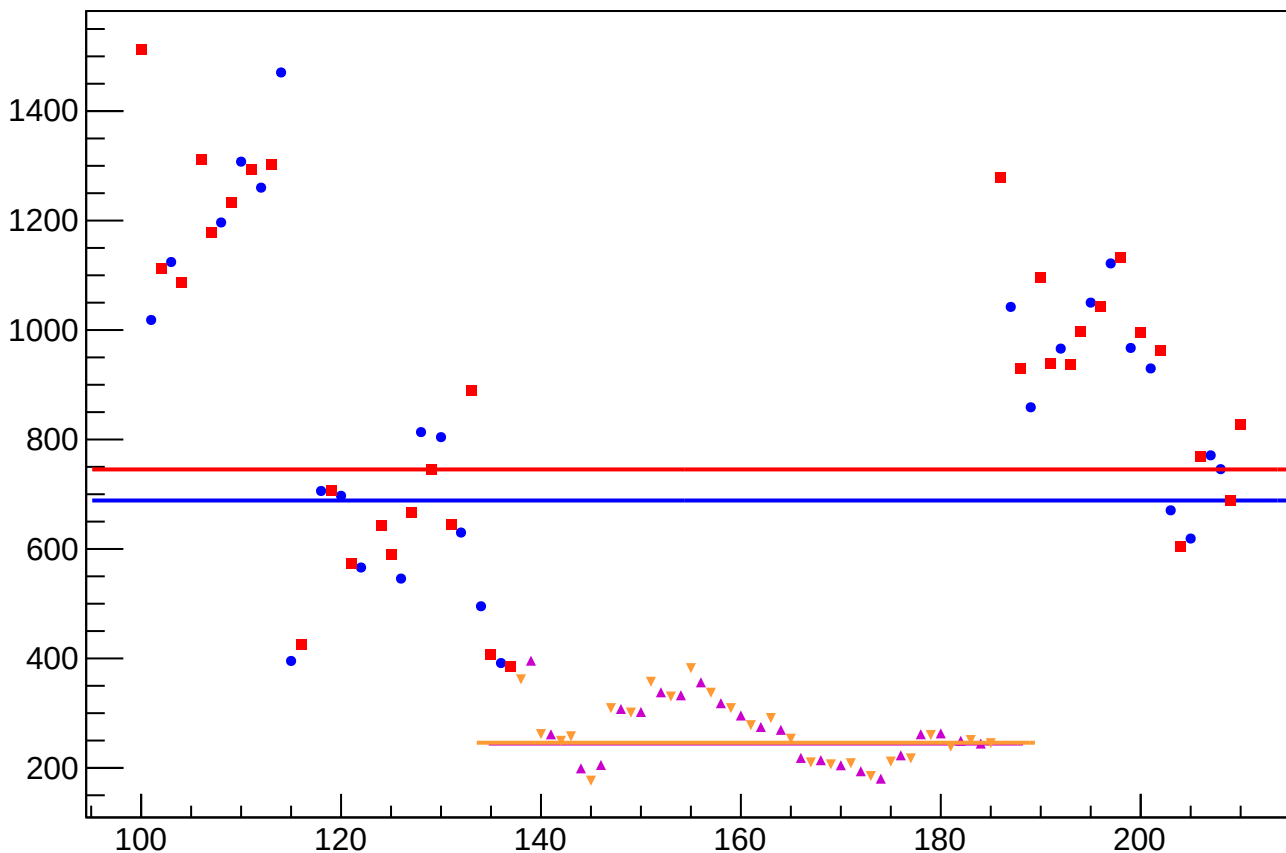
Left In: -44.552 ± 58.614 χ^2/NDF : 26.5/22

+ sign -300.311 ± 54.684 χ^2/NDF : 93.4/51

All: -195.883 ± 39.085 χ^2/NDF : 162.3/107

- sign -86.821 ± 55.884 χ^2/NDF : 61.4/55

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug



Right In: 688.554+/-0.130 χ^2/NDF : 3339651.6/26

Left Out: 246.016+/-0.040 χ^2/NDF : 1680566.1/24

Right Out: 745.302+/-0.131 χ^2/NDF : 3643083.0/32

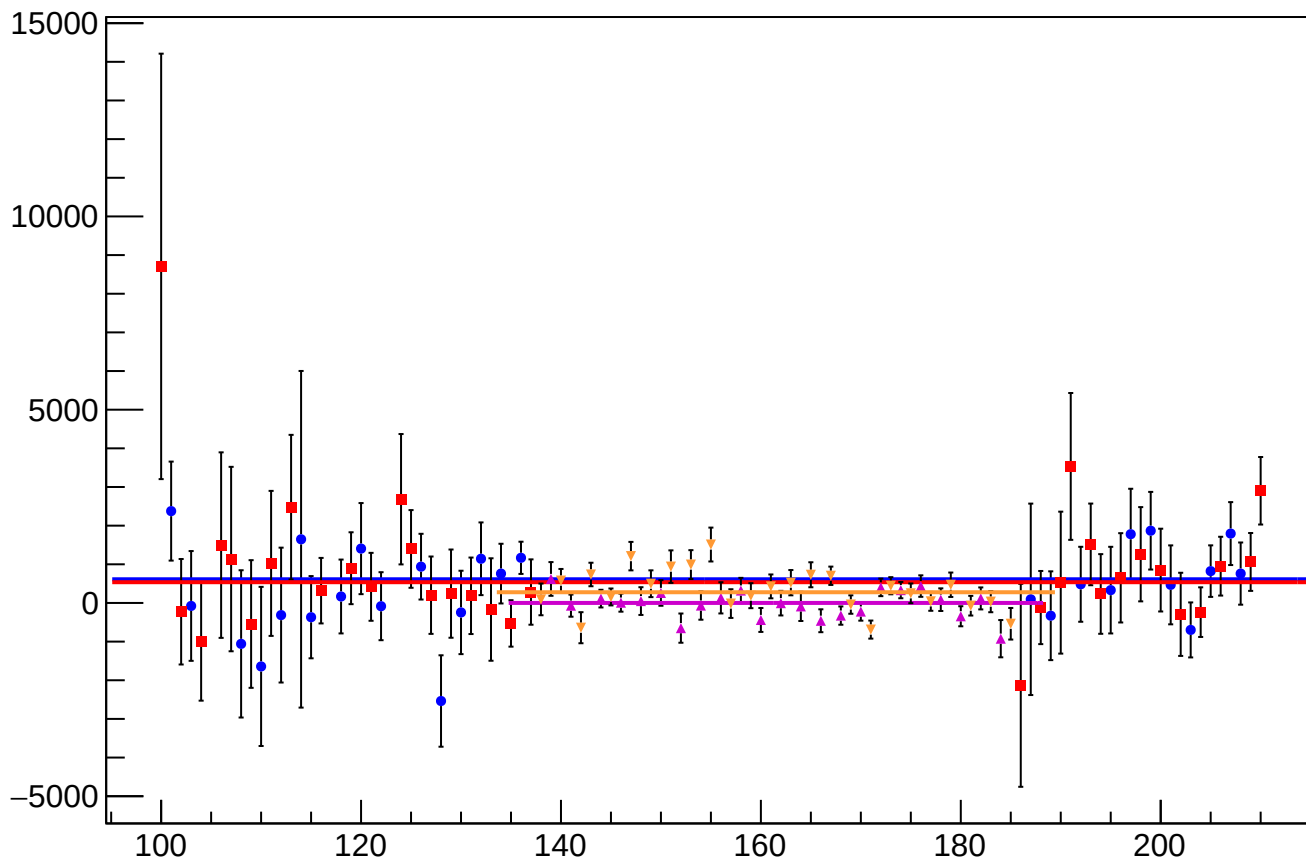
Left In: 244.450+/-0.041 χ^2/NDF : 1596977.8/22

+ sign 285.141+/-0.039 χ^2/NDF : 15576733.8/51

All: 287.530+/-0.028 χ^2/NDF : 34112428.9/10

- sign 290.024+/-0.040 χ^2/NDF : 18527895.1/55

asym_sam_1526_avg_mean vs Slug



Right In: 612.591 ± 181.805 χ^2/NDF : 25.6/26

Left Out: 277.077 ± 59.149 χ^2/NDF : 64.1/24

Right Out: 536.746 ± 185.453 χ^2/NDF : 27.3/32

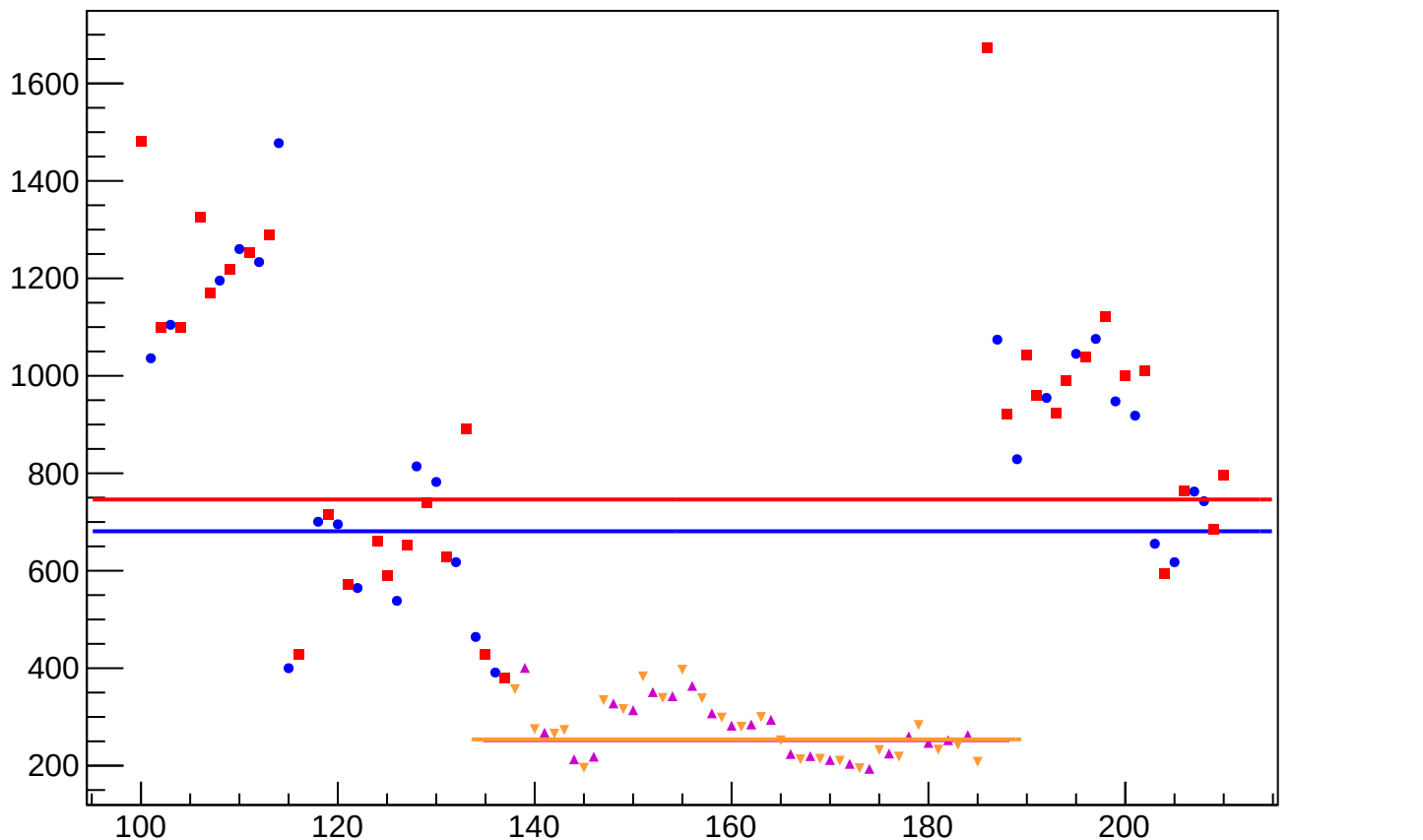
Left In: 0.556 ± 60.356 χ^2/NDF : 28.1/22

+ sign 309.191 ± 56.247 χ^2/NDF : 92.8/51

All: 183.146 ± 40.172 χ^2/NDF : 166.0/107

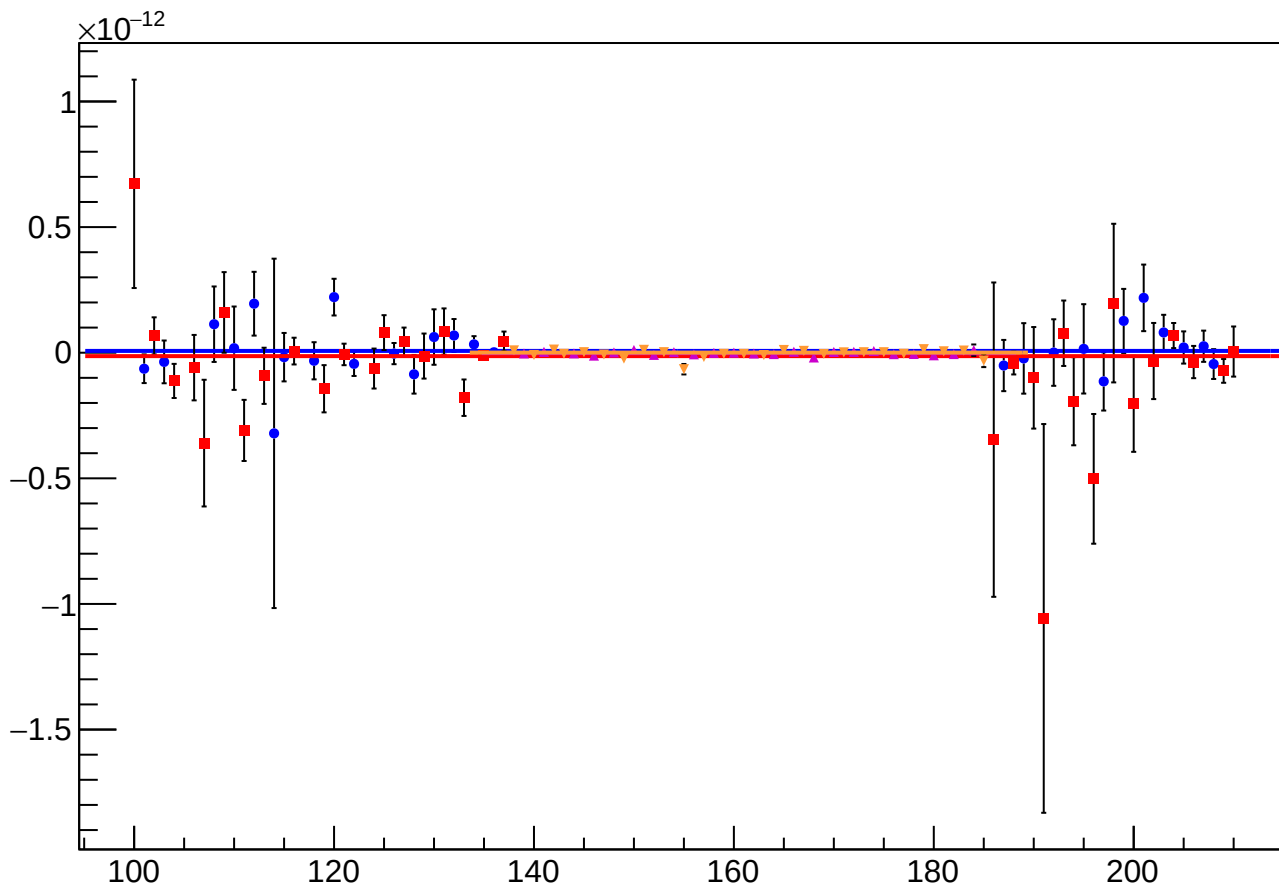
- sign 51.909 ± 57.393 χ^2/NDF : 63.0/55

asym_sam_1526_avg_rms vs Slug



+ sign 294.830 ± 0.040 $\chi^2/\text{NDF}: 14865193.6/51$
 All: 297.208 ± 0.028 $\chi^2/\text{NDF}: 32706928.8/10$
 - sign 299.684 ± 0.041 $\chi^2/\text{NDF}: 17834437.3/55$

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:26.9/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 43.2/32

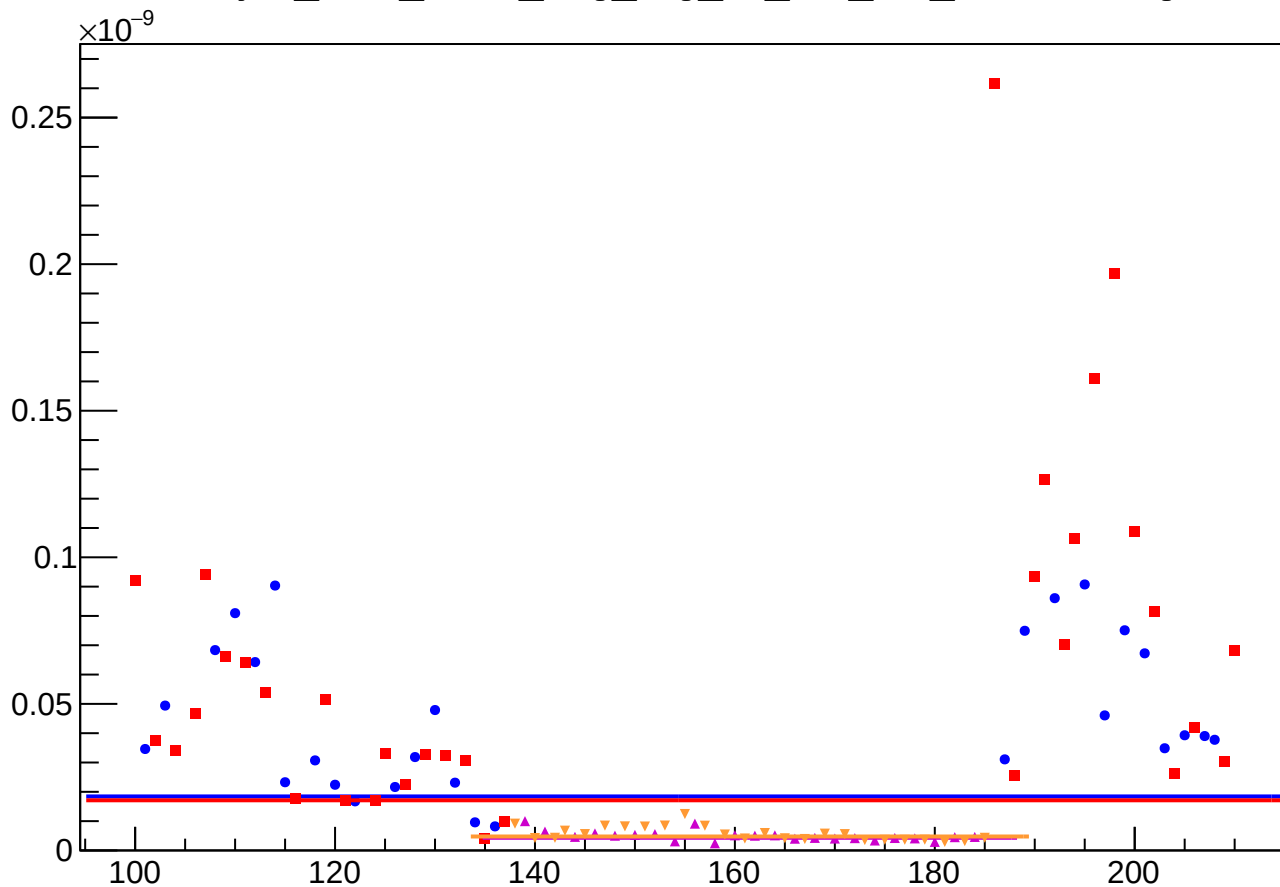
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:14.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.5/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 112.3/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 58.6/55

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 5551678.0/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 1613401.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 8578277.2/32

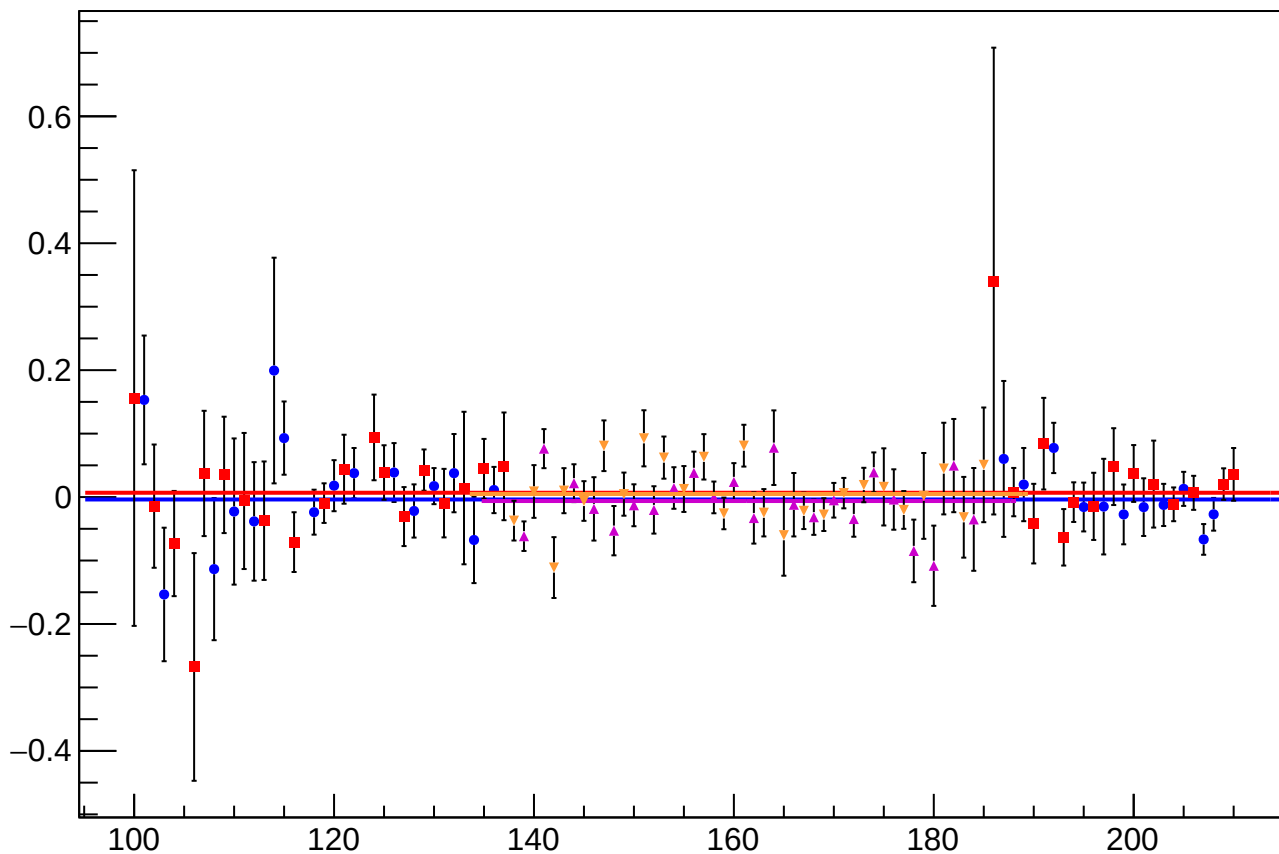
Left In: 0.000 ± 0.000 χ^2/NDF : 983290.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 10923913.3/51

All: 0.000 ± 0.000 χ^2/NDF : 23985705.9/107

- sign 0.000 ± 0.000 χ^2/NDF : 12995629.1/55

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.008 $\chi^2/\text{NDF}: 27.5/26$

Left Out: 0.005 ± 0.007 $\chi^2/\text{NDF}: 34.0/24$

Right Out: 0.007 ± 0.008 $\chi^2/\text{NDF}: 20.1/32$

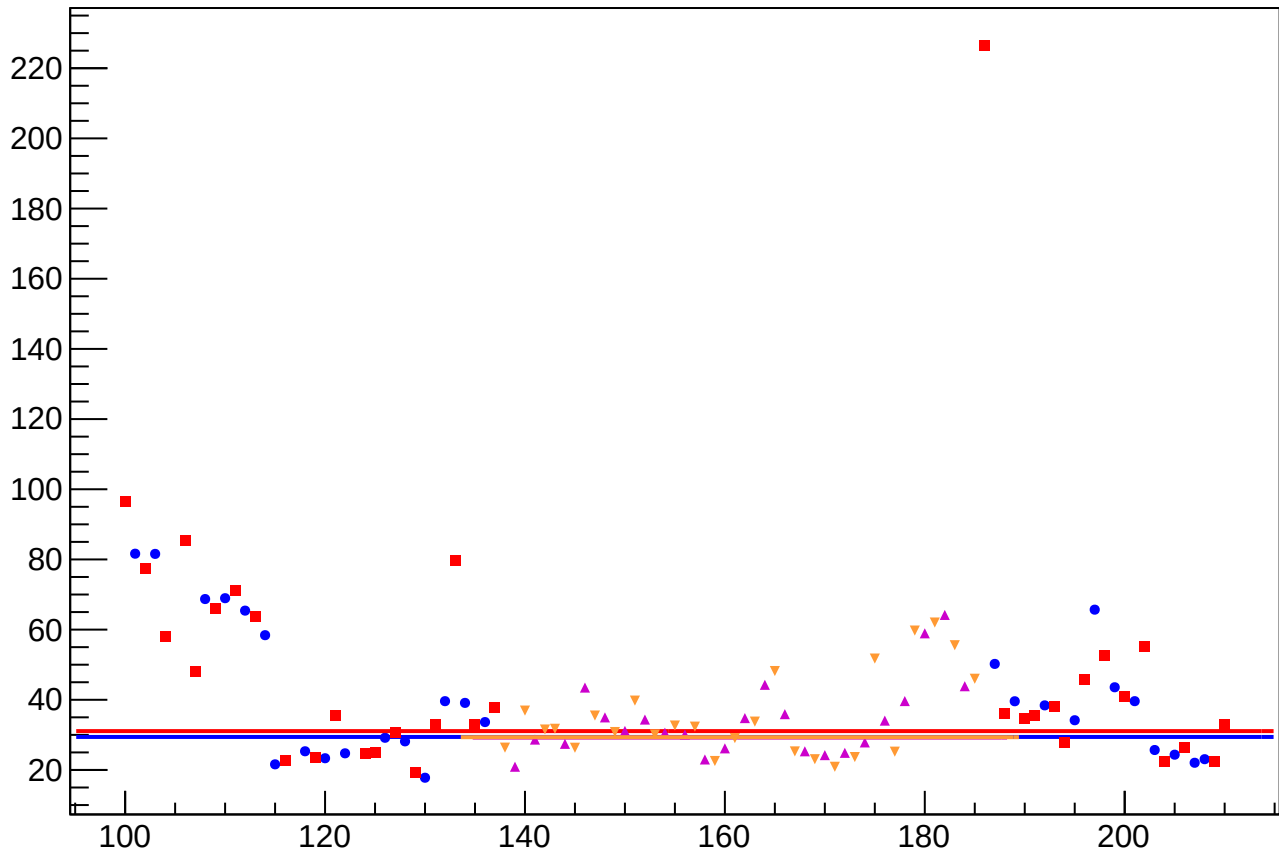
Left In: -0.006 ± 0.007 $\chi^2/\text{NDF}: 31.0/22$

+ sign 0.001 ± 0.005 $\chi^2/\text{NDF}: 62.1/51$

All: 0.000 ± 0.004 $\chi^2/\text{NDF}: 114.7/107$

- sign -0.001 ± 0.005 $\chi^2/\text{NDF}: 52.5/55$

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.411 $\pm$ 0.006 χ^2 /NDF: 3849088.5/26

Left Out: 29.338 $\pm$ 0.005 χ^2 /NDF: 2687159.2/24

Right Out: 31.075 $\pm$ 0.006 χ^2 /NDF: 4619624.7/32

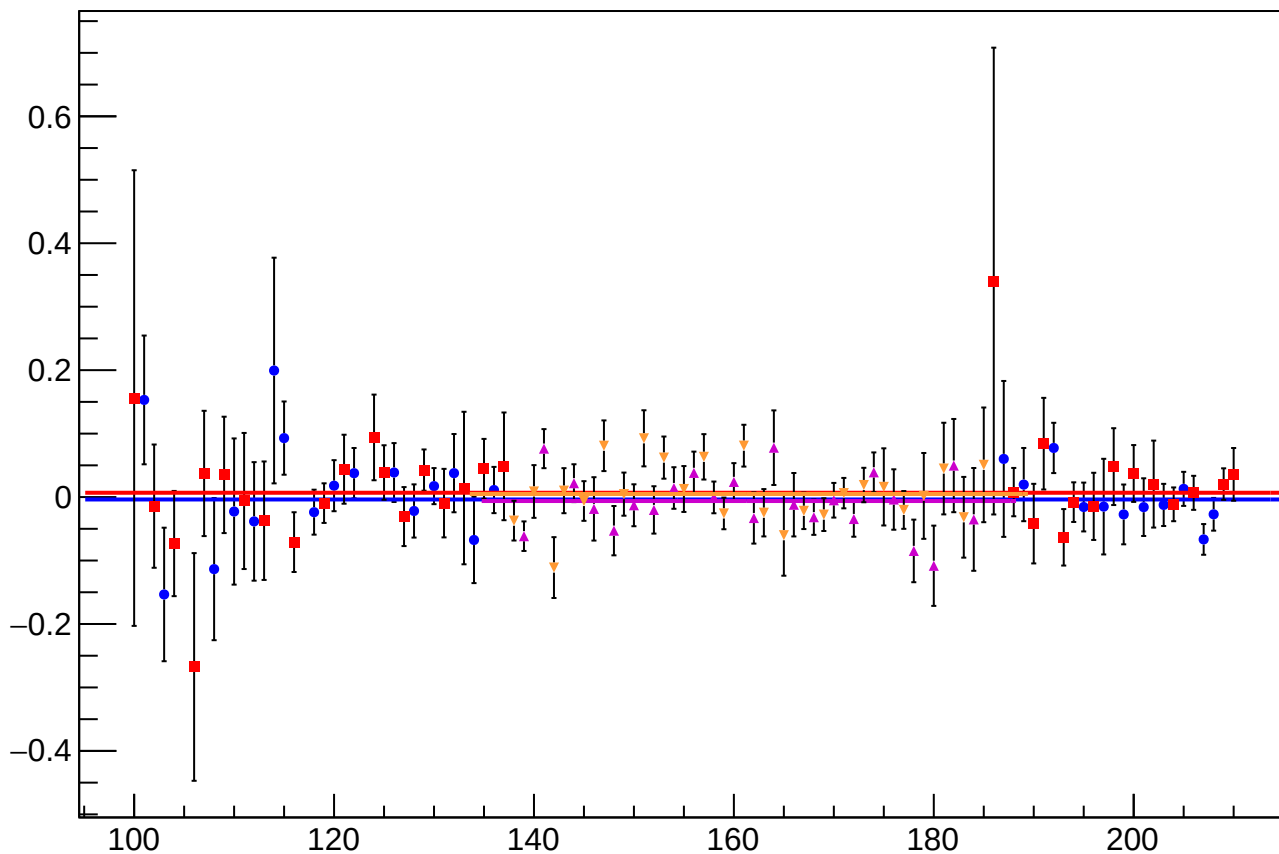
Left In: 29.226 $\pm$ 0.005 χ^2 /NDF: 2097657.8/22

+ sign 29.369 $\pm$ 0.004 χ^2 /NDF: 6536339.5/51

All: 29.698 $\pm$ 0.003 χ^2 /NDF: 13325322.0/107

- sign 30.034 $\pm$ 0.004 χ^2 /NDF: 6773913.5/55

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.008 χ^2/NDF : 27.5/26

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: 0.007 ± 0.008 χ^2/NDF : 20.1/32

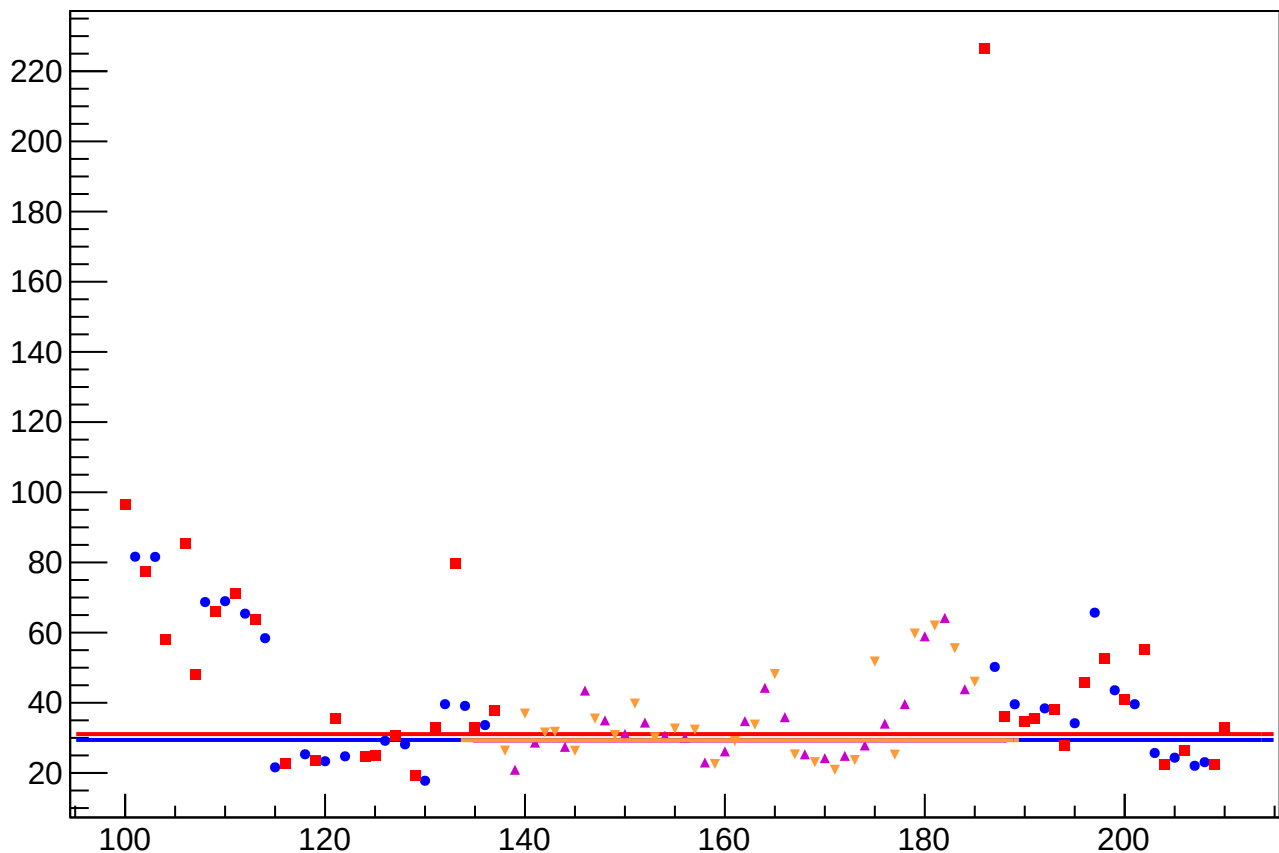
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign 0.001 ± 0.005 χ^2/NDF : 62.1/51

All: 0.000 ± 0.004 χ^2/NDF : 114.7/107

- sign -0.001 ± 0.005 χ^2/NDF : 52.5/55

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.411 $\pm$ 0.006 χ^2 /NDF: 3849088.5/26

Left Out: 29.338 $\pm$ 0.005 χ^2 /NDF: 2687159.2/24

Right Out: 31.075 $\pm$ 0.006 χ^2 /NDF: 4619624.7/32

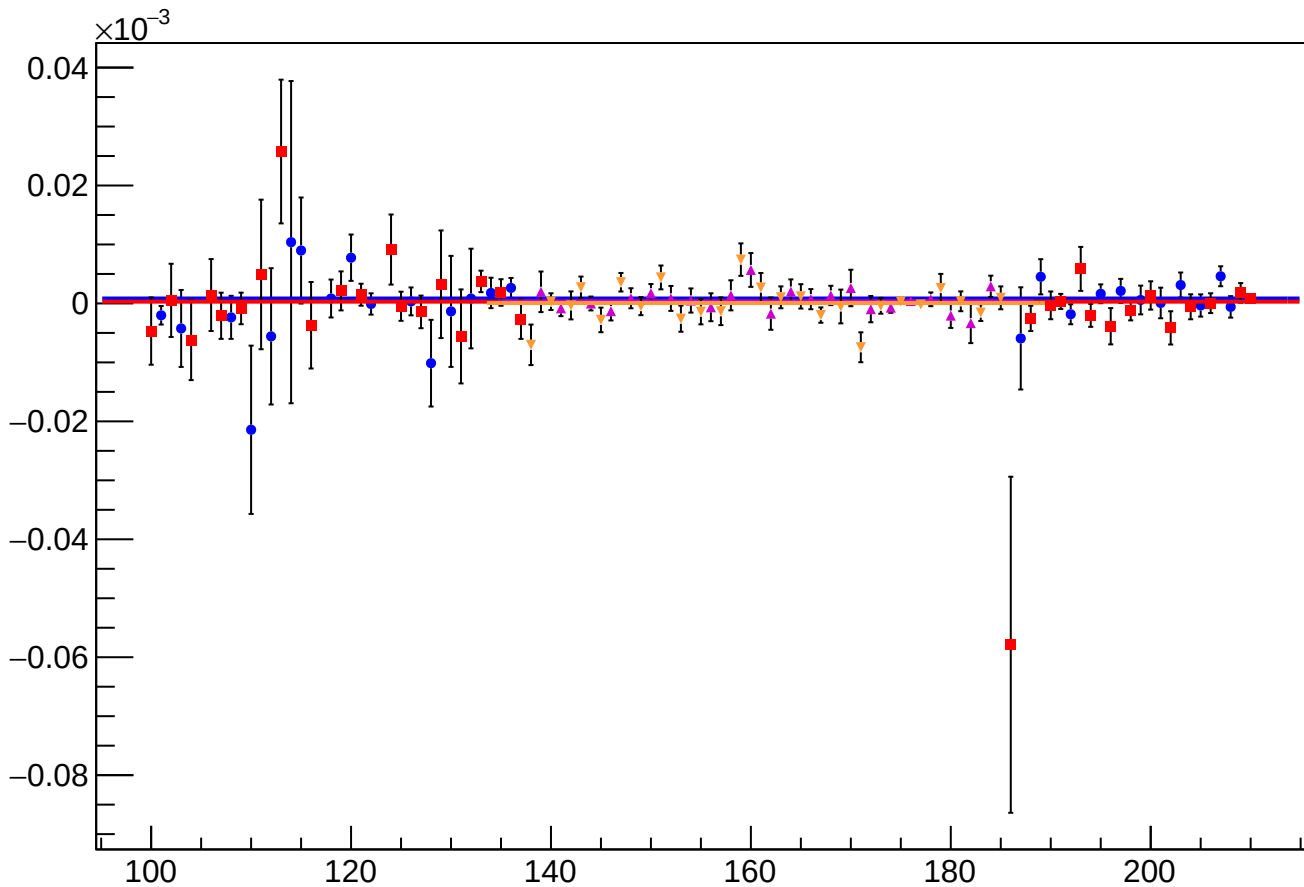
Left In: 29.226 $\pm$ 0.005 χ^2 /NDF: 2097657.8/22

+ sign 29.369 $\pm$ 0.004 χ^2 /NDF: 6536339.5/51

All: 29.698 $\pm$ 0.003 χ^2 /NDF: 13325322.0/107

- sign 30.034 $\pm$ 0.004 χ^2 /NDF: 6773913.5/55

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 27.8/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 43.7/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.6/32

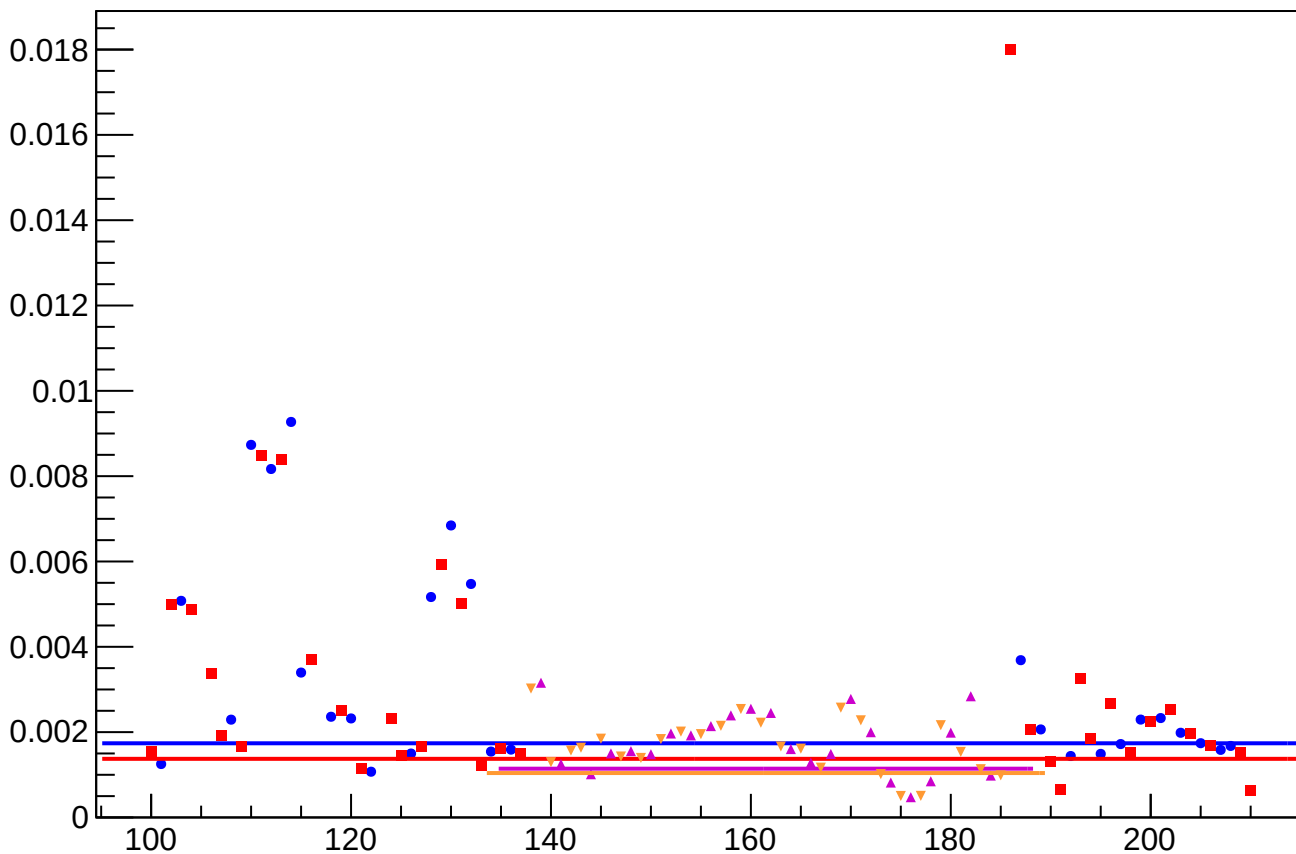
Left In: 0.000 ± 0.000 χ^2/NDF : 15.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 73.4/51

All: 0.000 ± 0.000 χ^2/NDF : 121.4/107

- sign 0.000 ± 0.000 χ^2/NDF : 48.0/55

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 4422062.4/26

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:9825407.0/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 9784072.4/32

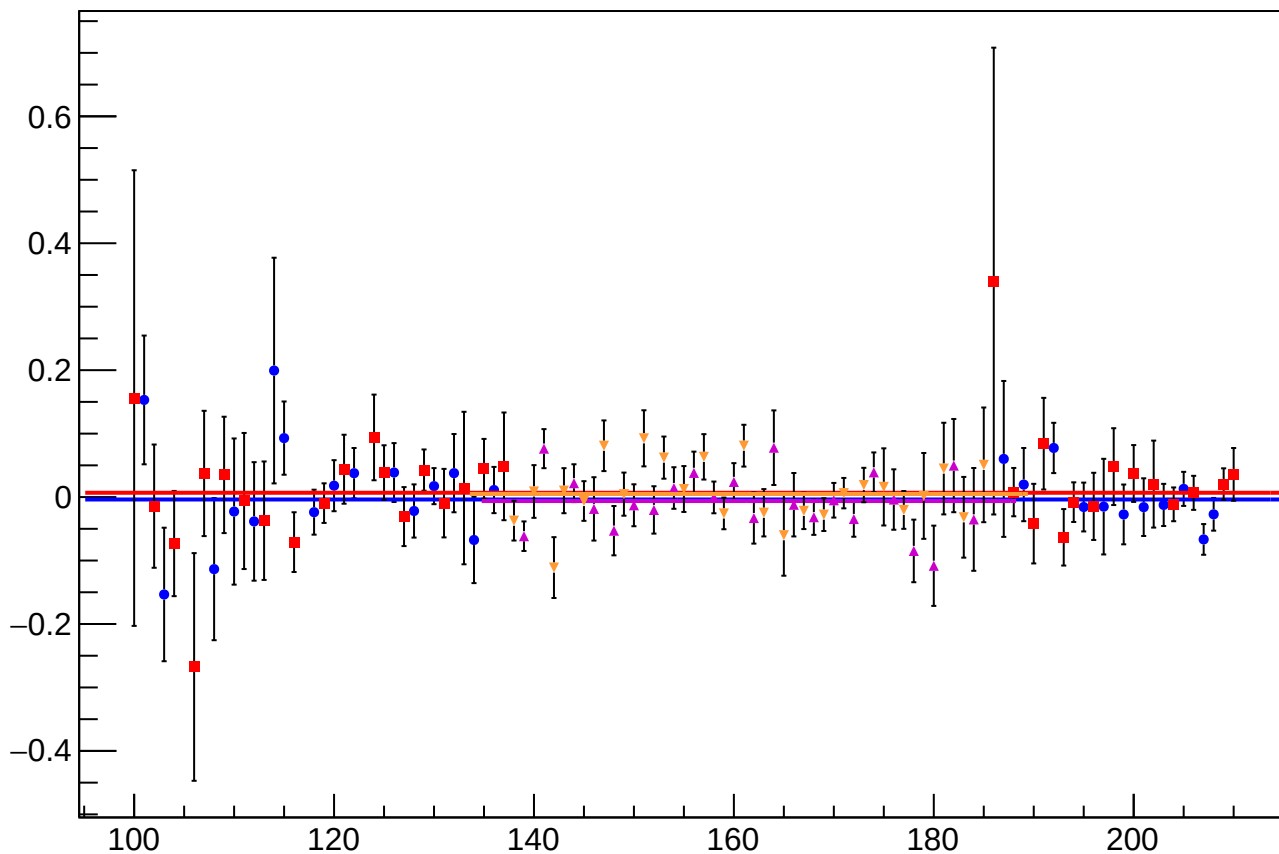
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:8291862.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 17382148.1/51

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 35896044.0/107

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 18508536.5/55

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.008 χ^2/NDF : 27.5/26

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: 0.007 ± 0.008 χ^2/NDF : 20.1/32

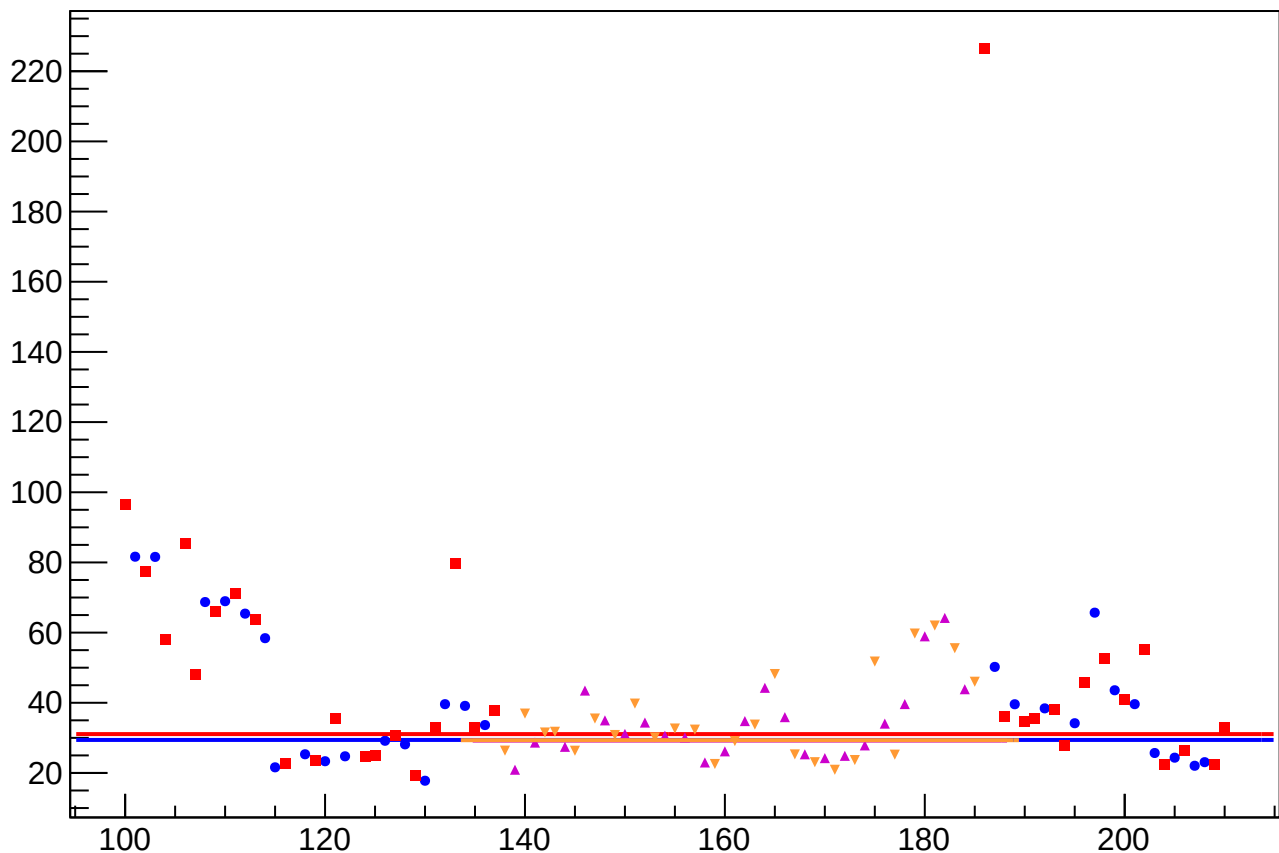
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign 0.001 ± 0.005 χ^2/NDF : 62.1/51

All: 0.000 ± 0.004 χ^2/NDF : 114.7/107

- sign -0.001 ± 0.005 χ^2/NDF : 52.5/55

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.411 $\pm$ 0.006 χ^2 /NDF: 3849322.5/26

Left Out: 29.338 $\pm$ 0.005 χ^2 /NDF: 2687200.3/24

Right Out: 31.074 $\pm$ 0.006 χ^2 /NDF: 4619746.2/32

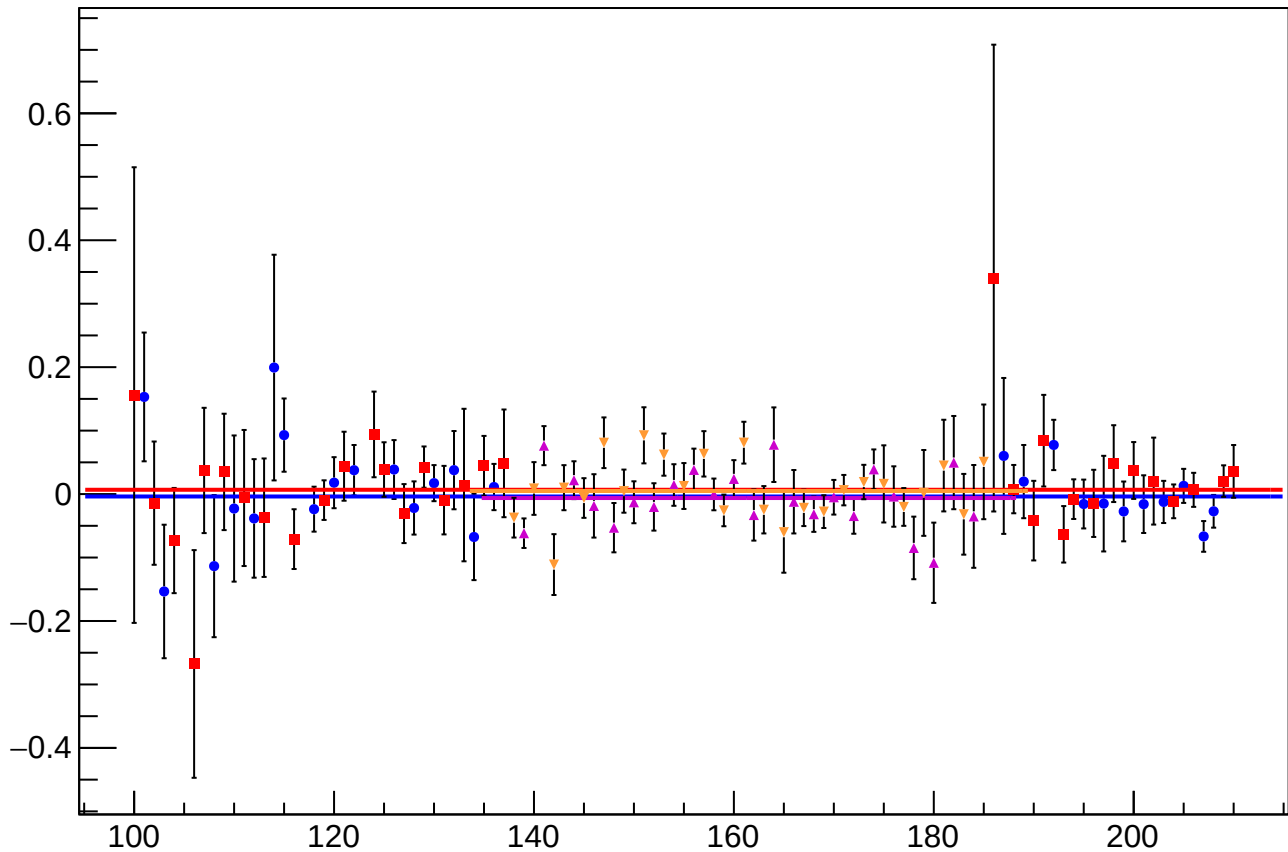
Left In: 29.227 $\pm$ 0.005 χ^2 /NDF: 2097621.4/22

+ sign 29.369 $\pm$ 0.004 χ^2 /NDF: 6536612.6/51

All: 29.698 $\pm$ 0.003 χ^2 /NDF: 13325647.0/107

- sign 30.034 $\pm$ 0.004 χ^2 /NDF: 6773953.5/55

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.008 χ^2/NDF : 27.5/26

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: 0.007 ± 0.008 χ^2/NDF : 20.1/32

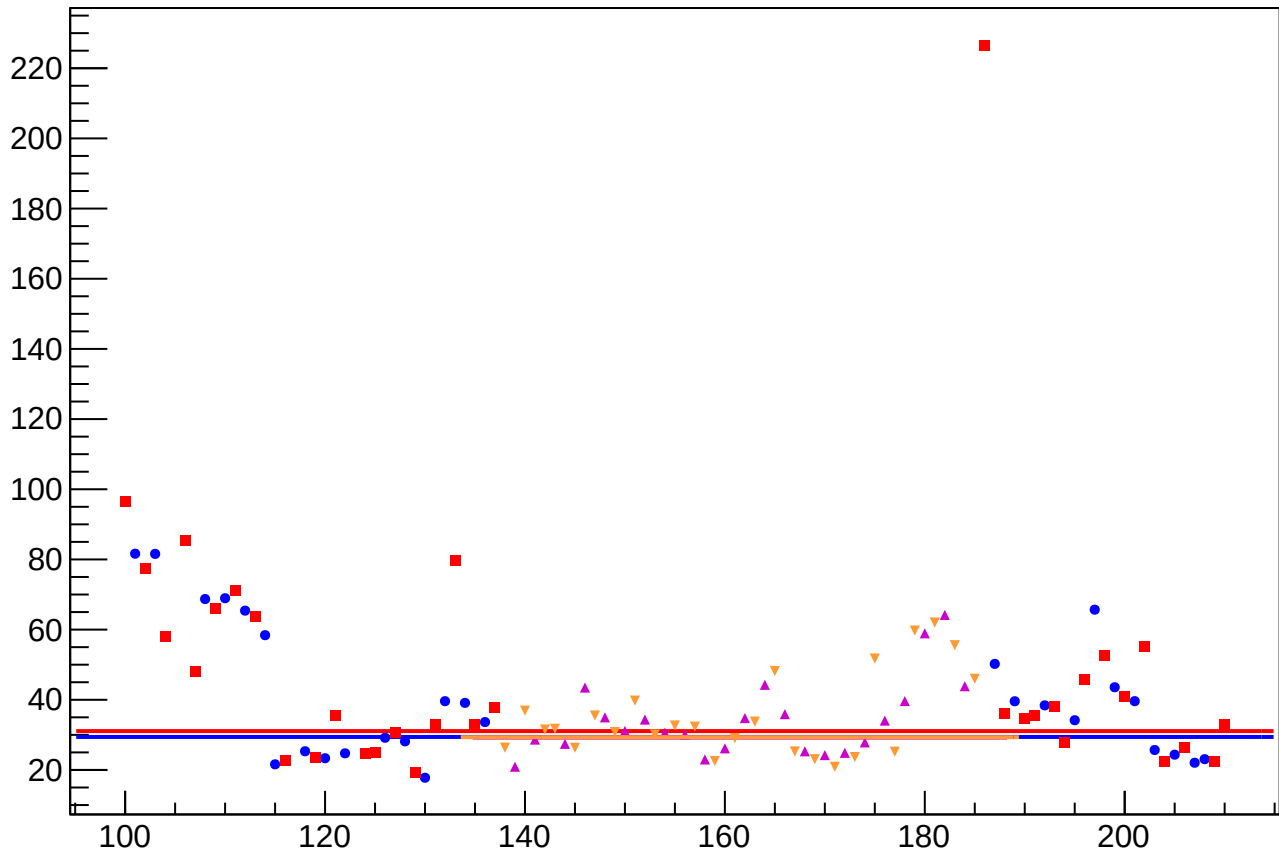
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign 0.001 ± 0.005 χ^2/NDF : 62.1/51

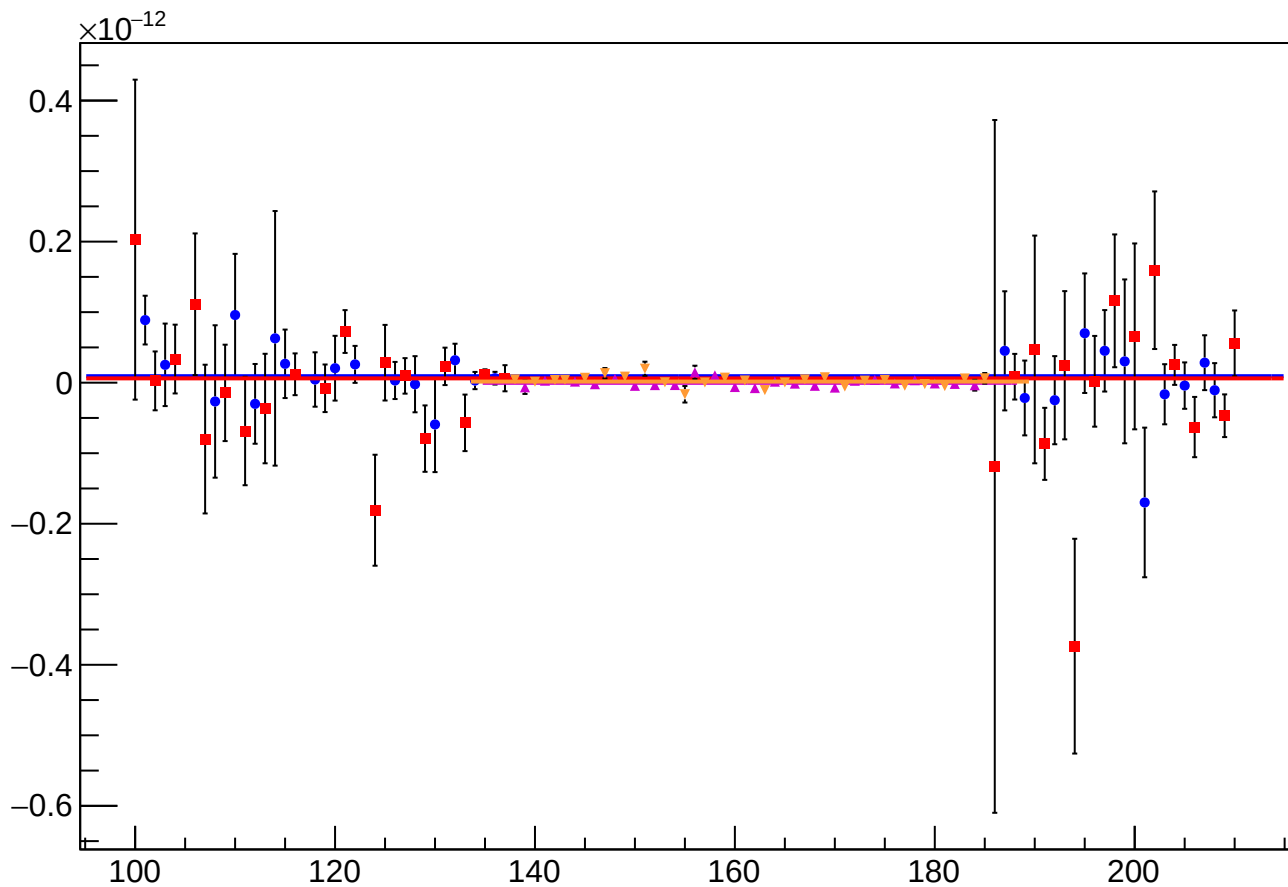
All: 0.000 ± 0.004 χ^2/NDF : 114.7/107

- sign -0.001 ± 0.005 χ^2/NDF : 52.5/55

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:35.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.0/32

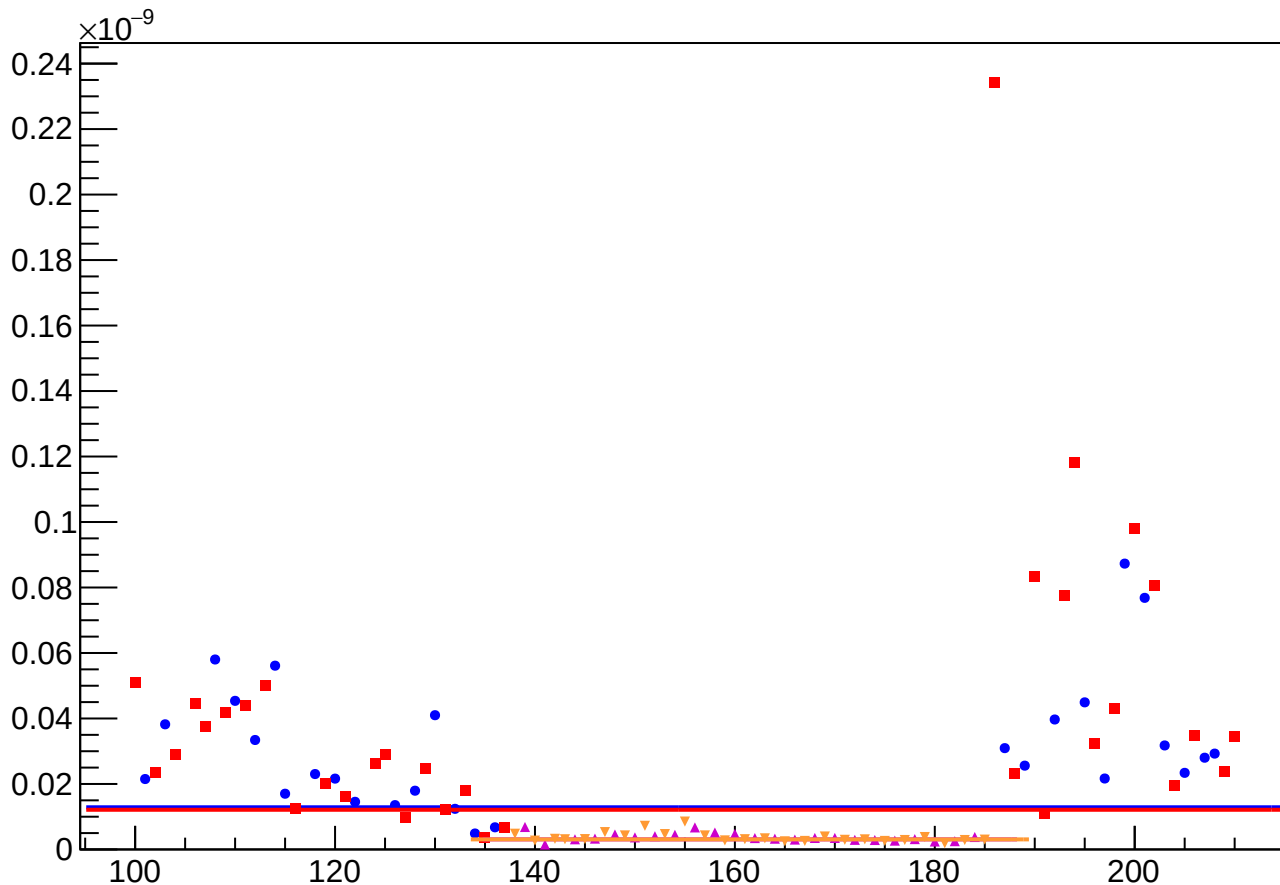
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:18.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.6/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 116.3/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 61.9/55

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7618842.3/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11311572.3/32

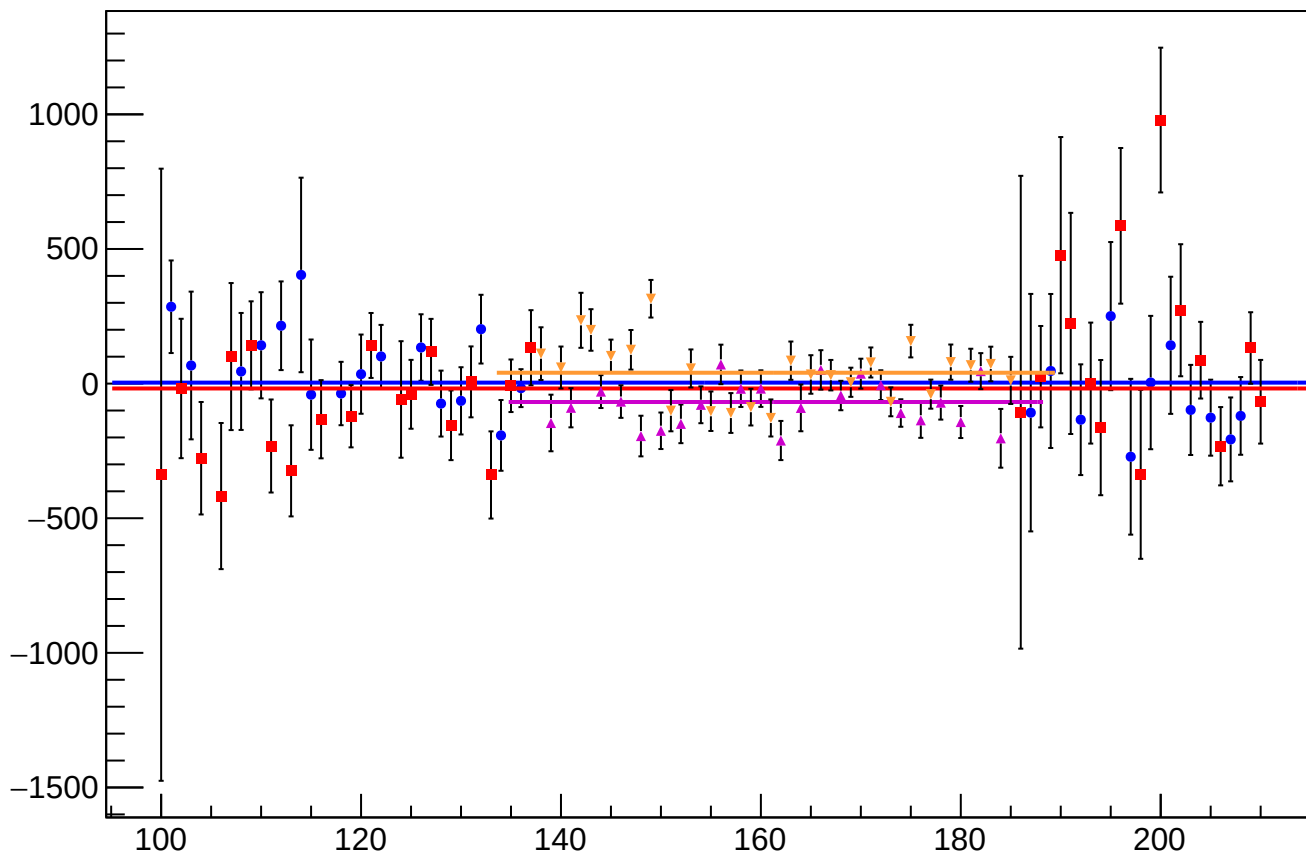
Left In: 0.000+/-0.000 χ^2/NDF : 2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 15627058.3/51

All: 0.000+/-0.000 χ^2/NDF : 34457696.2/107

- sign 0.000+/-0.000 χ^2/NDF : 18830478.2/55

reg_asym_sam_3726_avg_mean vs Slug



Right In: 3.622 ± 29.563 χ^2/NDF : 19.9/26

Left Out: 40.342 ± 13.402 χ^2/NDF : 59.4/24

Right Out: -18.107 ± 29.527 χ^2/NDF : 47.2/32

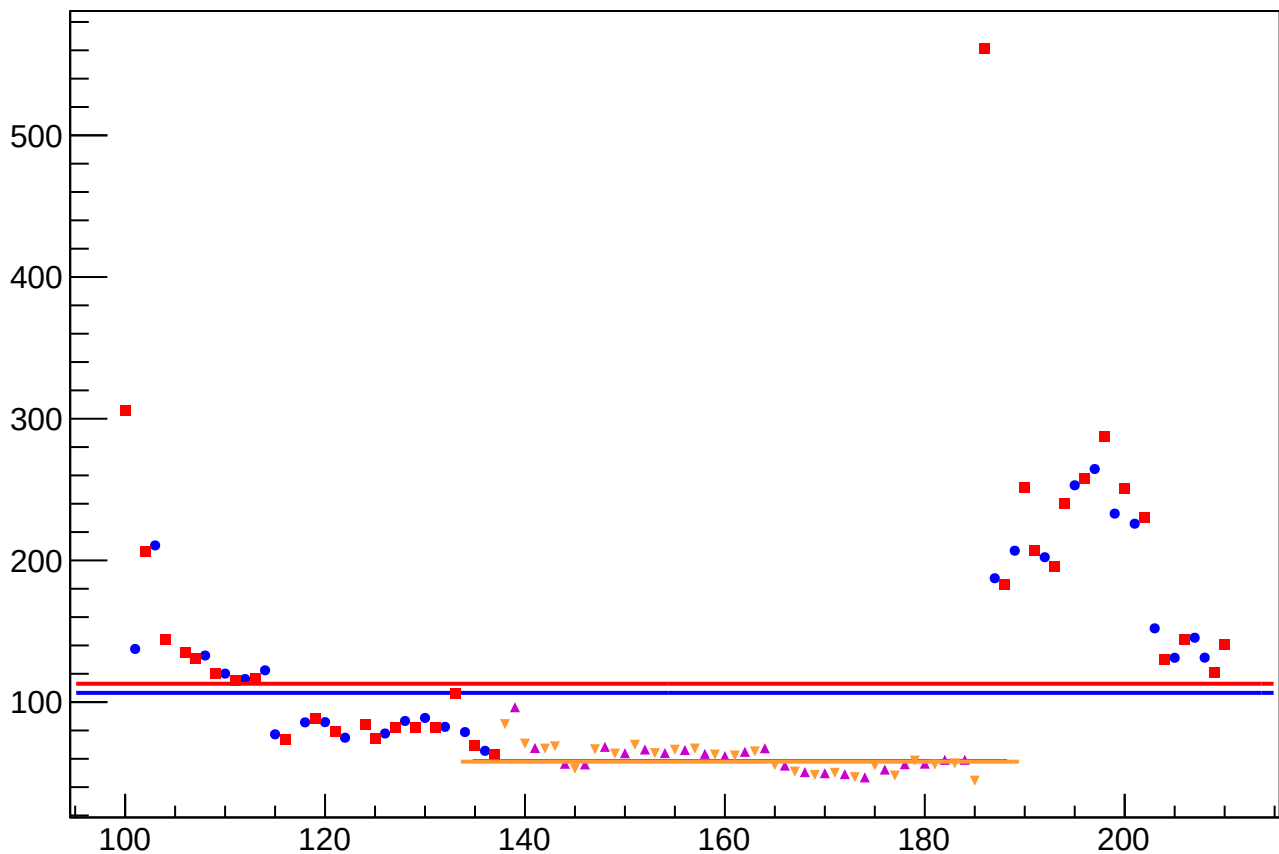
Left In: -68.344 ± 13.866 χ^2/NDF : 31.8/22

+ sign 34.082 ± 12.206 χ^2/NDF : 80.6/51

All: -11.292 ± 8.750 χ^2/NDF : 190.3/107

- sign -59.267 ± 12.551 χ^2/NDF : 81.3/55

reg_asym_sam_3726_avg_rms vs Slug



Right In: 106.528 $\pm$ 0.021 χ^2 /NDF: 4992287.3/26

Left Out: 57.996 $\pm$ 0.009 χ^2 /NDF:807648.8/24

Right Out: 112.965 $\pm$ 0.021 χ^2 /NDF: 6187148.2/32

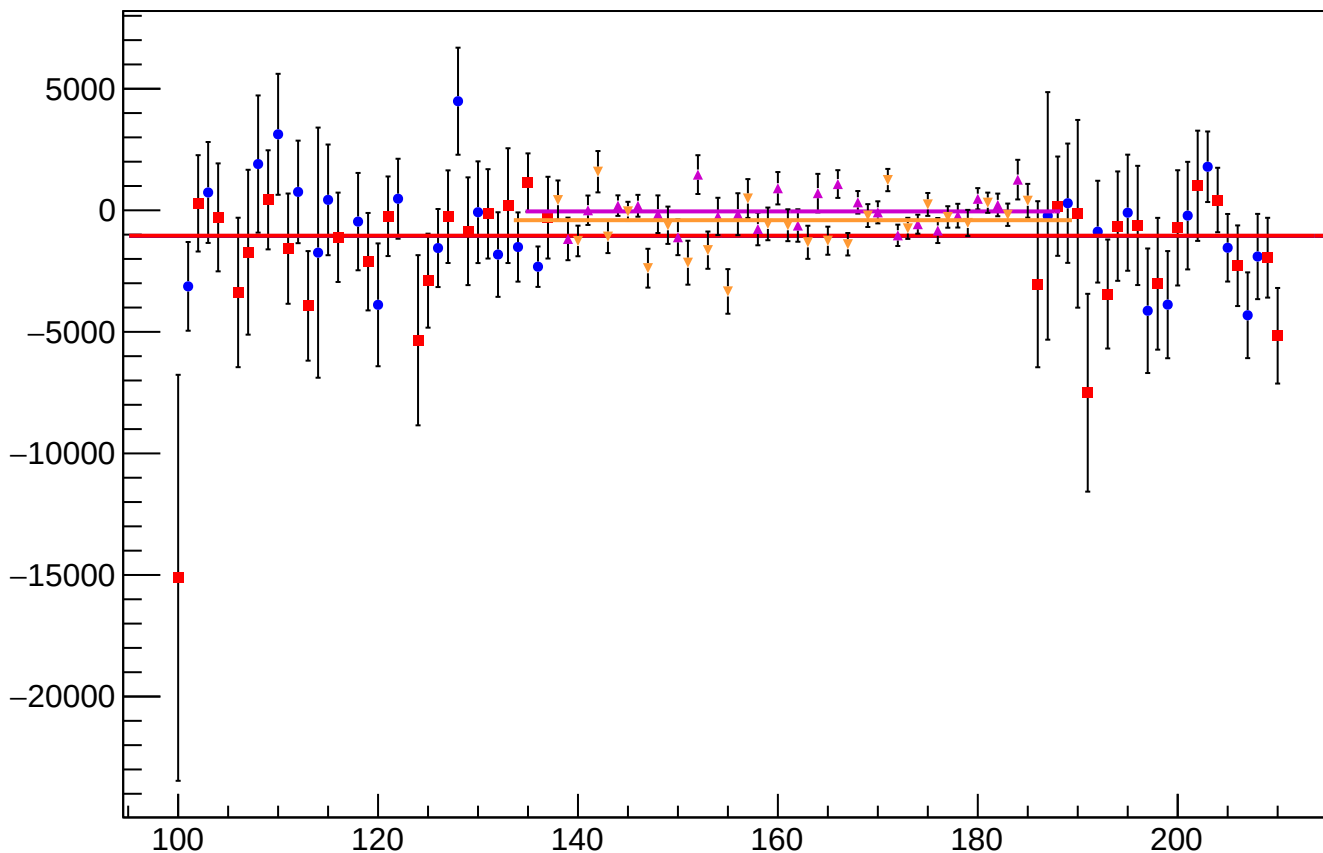
Left In: 58.397 $\pm$ 0.010 χ^2 /NDF:735208.2/22

+ sign 66.269 $\pm$ 0.009 χ^2 /NDF: 10271251.9/51

All: 67.235 $\pm$ 0.006 χ^2 /NDF: 22815885.2/107

- sign 68.256 $\pm$ 0.009 χ^2 /NDF: 12518870.6/55

asym_sam_3726_avg_reg_correction_mean vs Slug



Right In: -1054.369 ± 354.572 χ^2/NDF : 30.0/26

Left Out: -406.322 ± 113.468 χ^2/NDF : 63.2/24

Right Out: -1045.588 ± 361.454 χ^2/NDF : 25.7/32

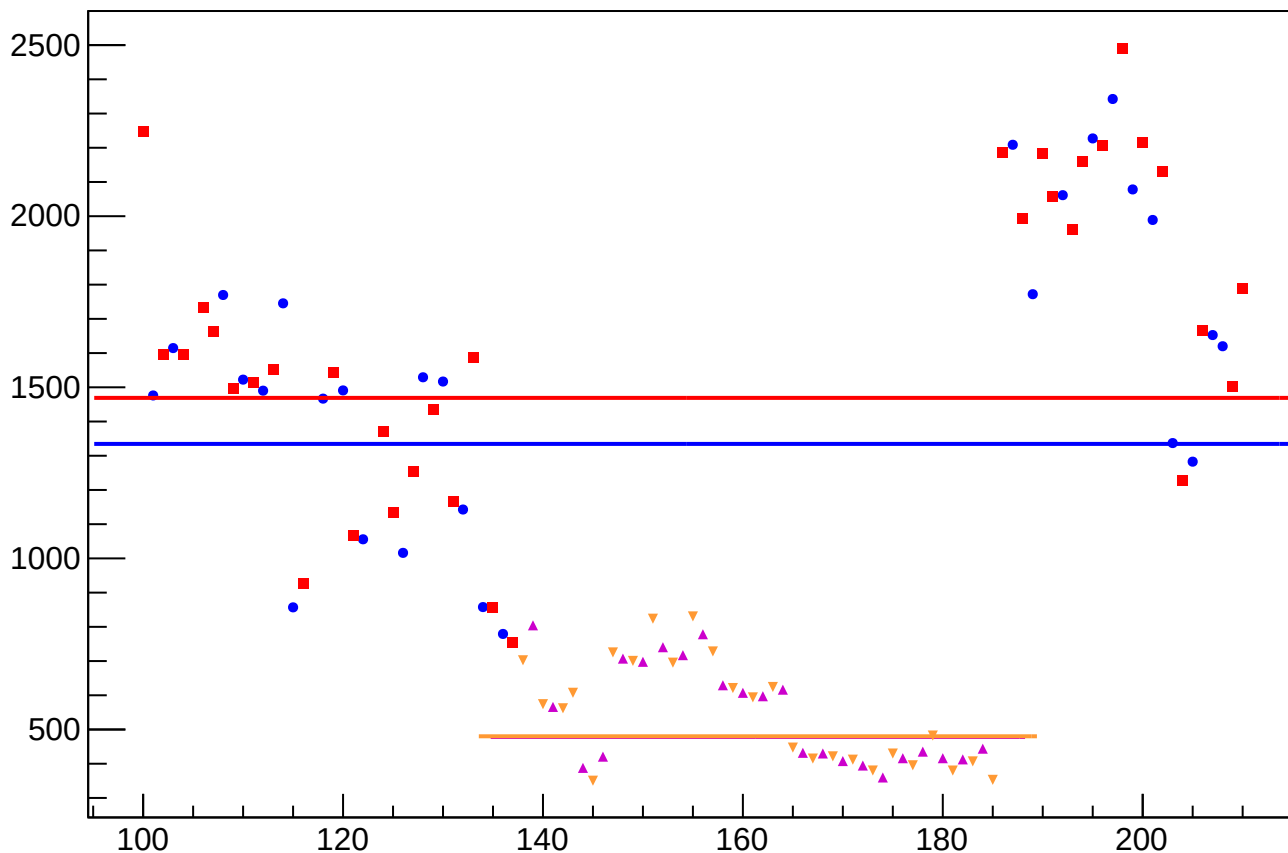
Left In: -44.831 ± 115.765 χ^2/NDF : 31.1/22

+ sign -466.522 ± 108.069 χ^2/NDF : 96.2/51

All: -305.509 ± 77.175 χ^2/NDF : 164.4/107

- sign -137.935 ± 110.249 χ^2/NDF : 63.7/55

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1334.578+/-0.251 χ^2/NDF : 3019944.4/26

Left Out: 480.162+/-0.080 χ^2/NDF : 2582213.9/24

Right Out: 1469.083+/-0.256 χ^2/NDF : 2979761.6/32

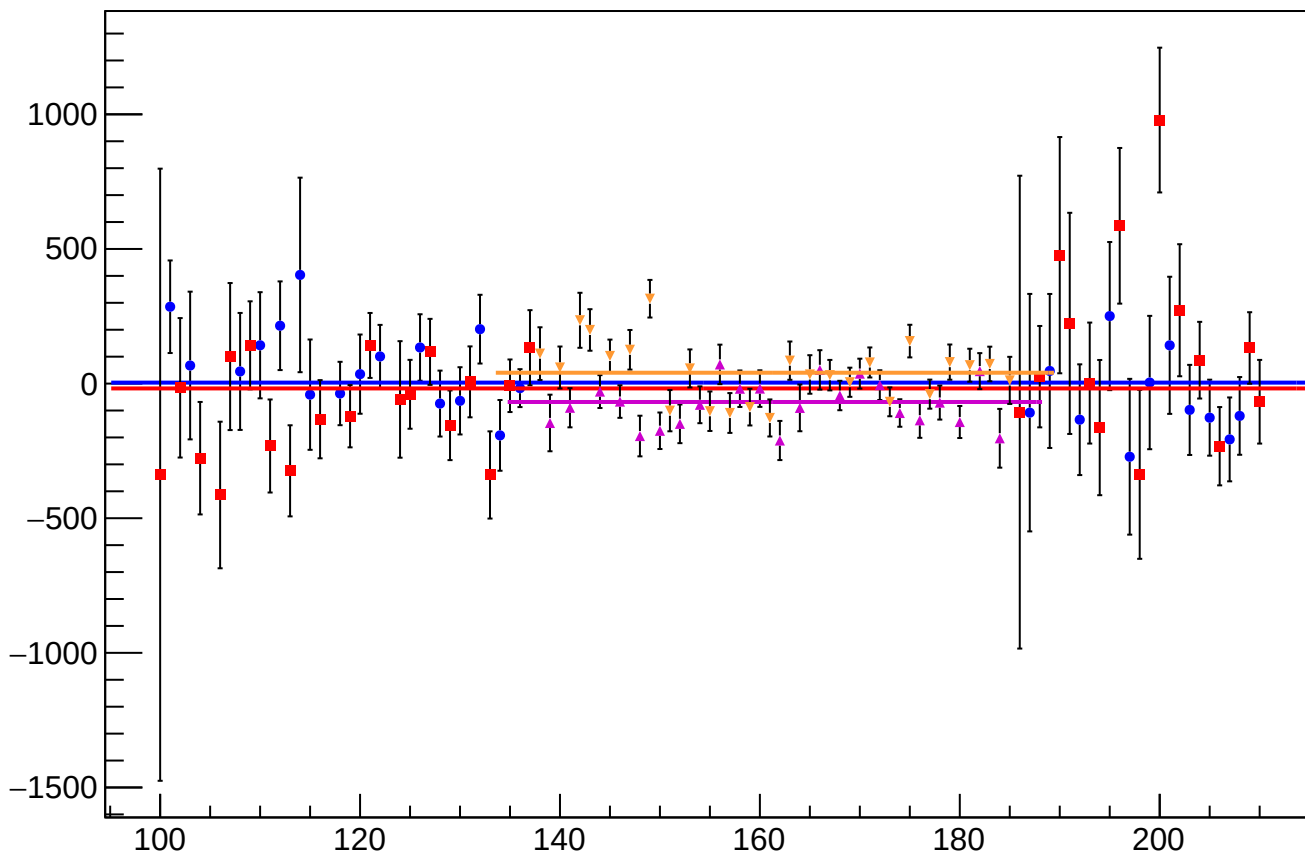
Left In: 478.084+/-0.082 χ^2/NDF : 2215520.4/22

+ sign 559.533+/-0.076 χ^2/NDF : 16136720.0/51

All: 564.799+/-0.055 χ^2/NDF : 34976884.6/10

- sign 570.280+/-0.078 χ^2/NDF : 18830472.5/55

cor_asym_sam_3726_avg_mean vs Slug



Right In: 3.611 ± 29.563 $\chi^2/\text{NDF}: 19.9/26$

Left Out: 40.344 ± 13.402 $\chi^2/\text{NDF}: 59.4/24$

Right Out: -17.999 ± 29.528 $\chi^2/\text{NDF}: 47.1/32$

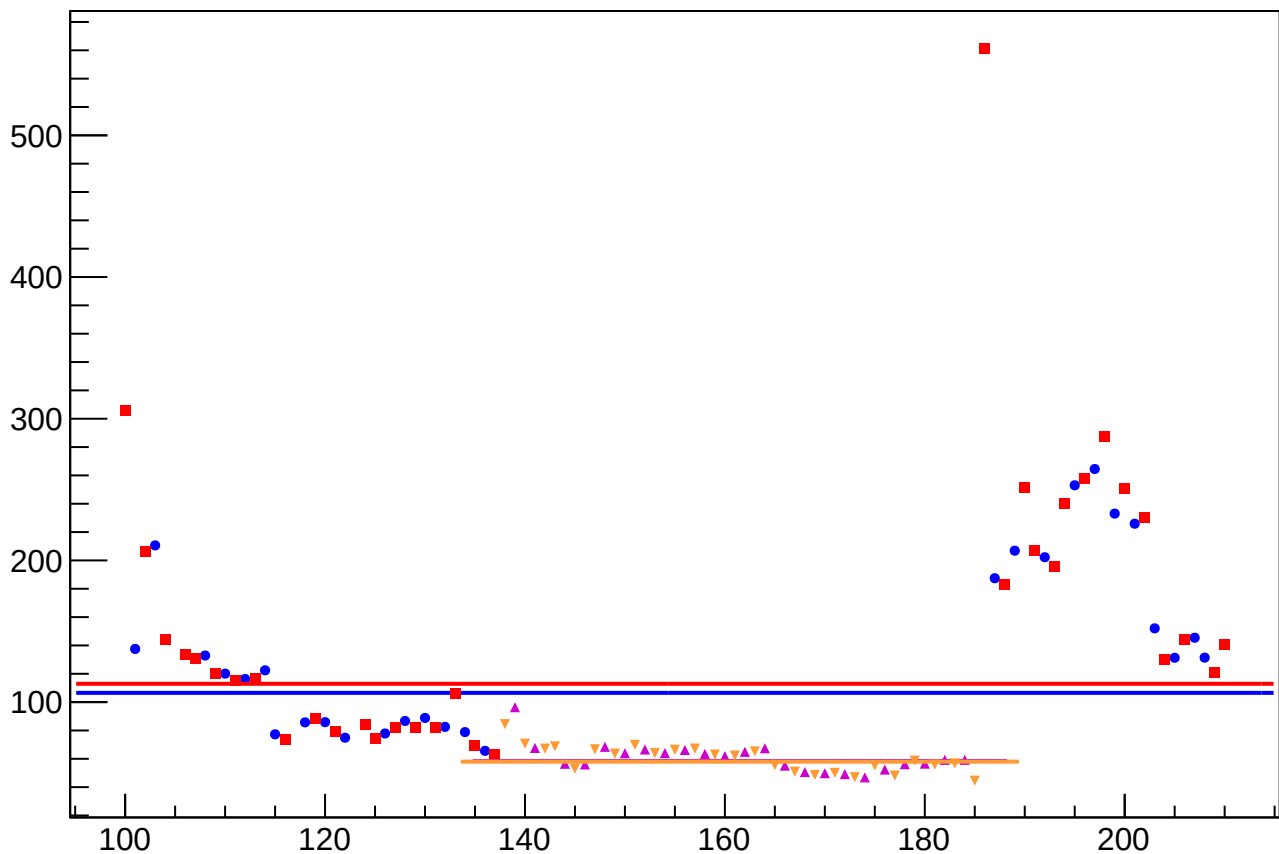
Left In: -68.343 ± 13.866 $\chi^2/\text{NDF}: 31.7/22$

+ sign 34.082 ± 12.206 $\chi^2/\text{NDF}: 80.6/51$

All: -11.282 ± 8.751 $\chi^2/\text{NDF}: 190.3/107$

- sign -59.247 ± 12.551 $\chi^2/\text{NDF}: 81.2/55$

cor_asym_sam_3726_avg_rms vs Slug



Right In: 106.528 $\pm$ 0.021 χ^2 /NDF: 4992290.3/26

Left Out: 57.996 $\pm$ 0.009 χ^2 /NDF: 807648.7/24

Right Out: 112.940 $\pm$ 0.021 χ^2 /NDF: 6185135.5/32

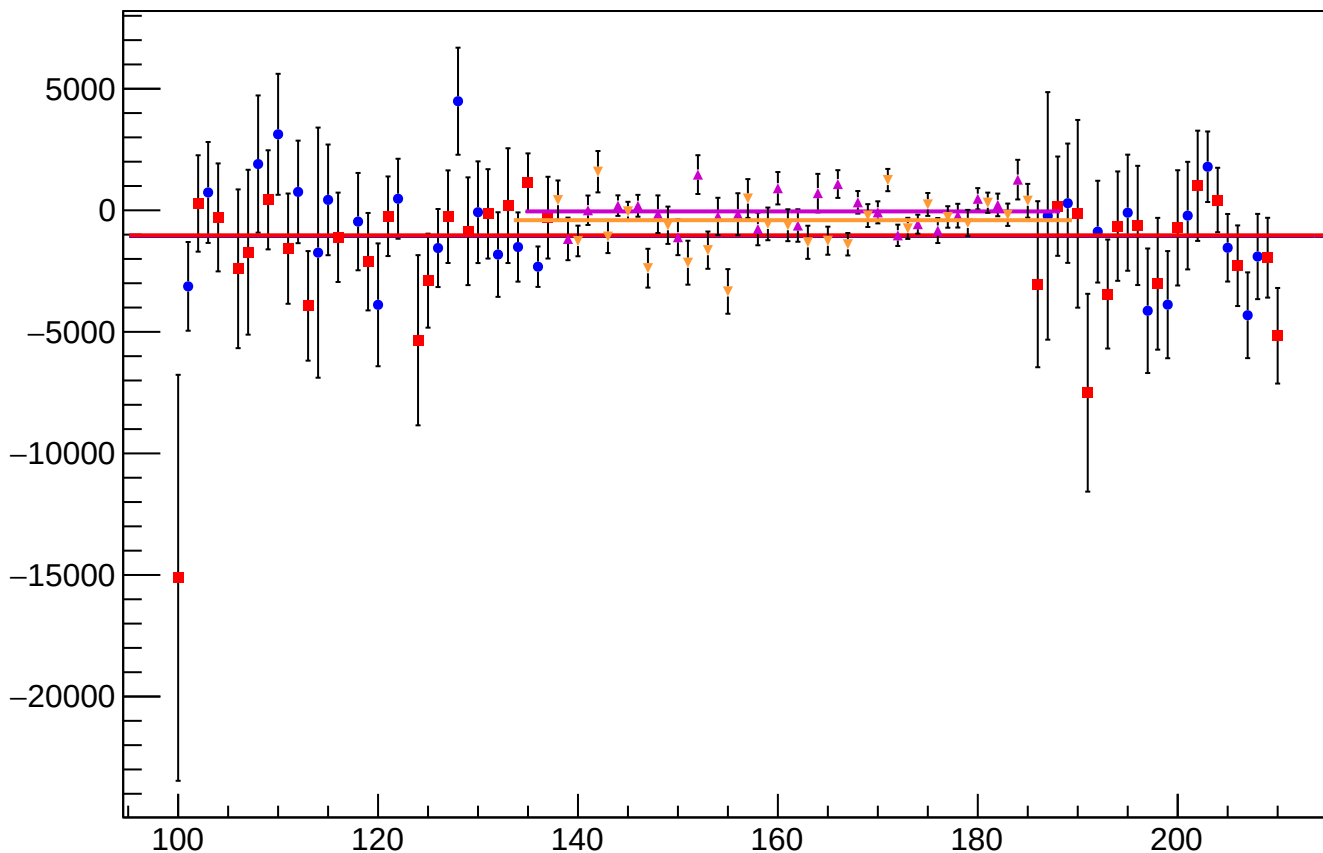
Left In: 58.397 $\pm$ 0.010 χ^2 /NDF: 735208.2/22

+ sign 66.269 $\pm$ 0.009 χ^2 /NDF: 10271254.1/51

All: 67.233 $\pm$ 0.006 χ^2 /NDF: 22808291.6/107

- sign 68.251 $\pm$ 0.009 χ^2 /NDF: 12511408.5/55

asym_sam_3726_avg_cor_correction_mean vs Slug



Right In: -1054.351 ± 354.573 χ^2/NDF : 30.0/26

Left Out: -406.320 ± 113.468 χ^2/NDF : 63.2/24

Right Out: -1030.226 ± 361.748 χ^2/NDF : 25.3/32

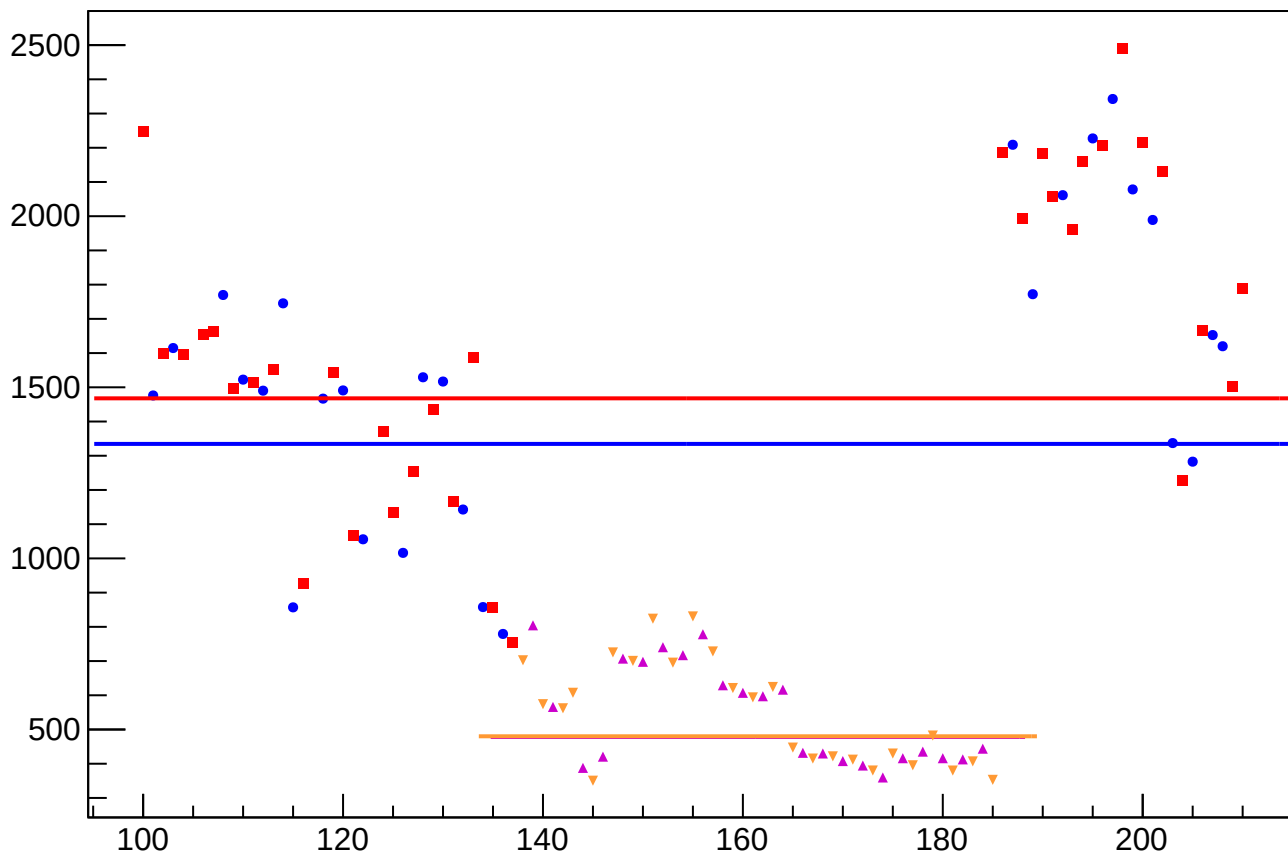
Left In: -44.830 ± 115.765 χ^2/NDF : 31.1/22

+ sign -466.518 ± 108.069 χ^2/NDF : 96.2/51

All: -304.753 ± 77.178 χ^2/NDF : 163.8/107

- sign -136.370 ± 110.257 χ^2/NDF : 63.1/55

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1334.580+/-0.251 χ^2/NDF : 3019973.0/26

Left Out: 480.162+/-0.080 χ^2/NDF : 2582209.1/24

Right Out: 1467.741+/-0.256 χ^2/NDF : 2971591.8/32

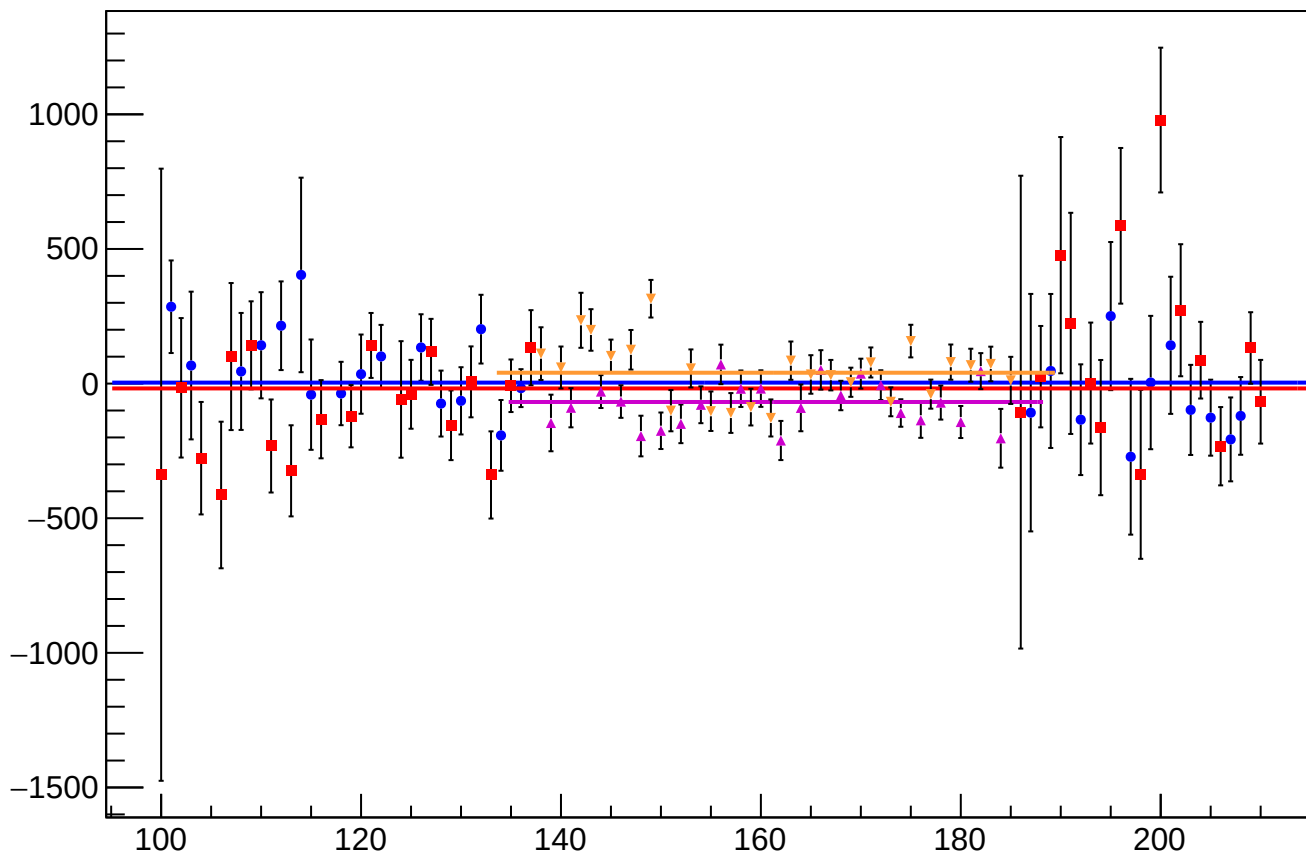
Left In: 478.084+/-0.082 χ^2/NDF : 2215518.9/22

+ sign 559.532+/-0.076 χ^2/NDF : 16136748.4/51

All: 564.671+/-0.055 χ^2/NDF : 34911353.5/10

- sign 570.019+/-0.078 χ^2/NDF : 18765377.1/55

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 3.611 ± 29.563 χ^2/NDF : 19.9/26

Left Out: 40.344 ± 13.402 χ^2/NDF : 59.4/24

Right Out: -17.999 ± 29.528 χ^2/NDF : 47.1/32

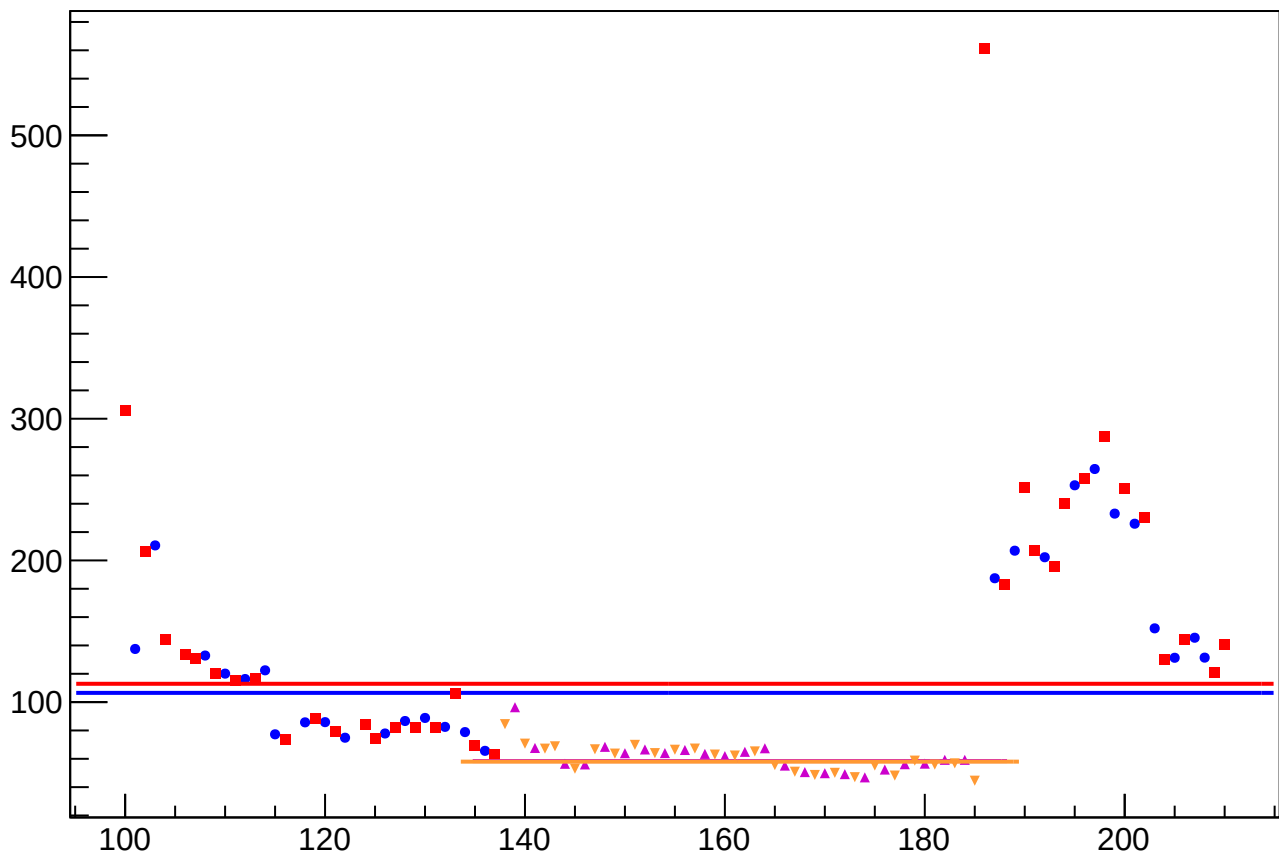
Left In: -68.343 ± 13.866 χ^2/NDF : 31.7/22

+ sign 34.082 ± 12.206 χ^2/NDF : 80.6/51

All: -11.282 ± 8.751 χ^2/NDF : 190.3/107

- sign -59.247 ± 12.551 χ^2/NDF : 81.2/55

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 106.528 $\pm$ 0.021 χ^2 /NDF: 4992290.3/26

Left Out: 57.996 $\pm$ 0.009 χ^2 /NDF: 807648.7/24

Right Out: 112.940 $\pm$ 0.021 χ^2 /NDF: 6185135.5/32

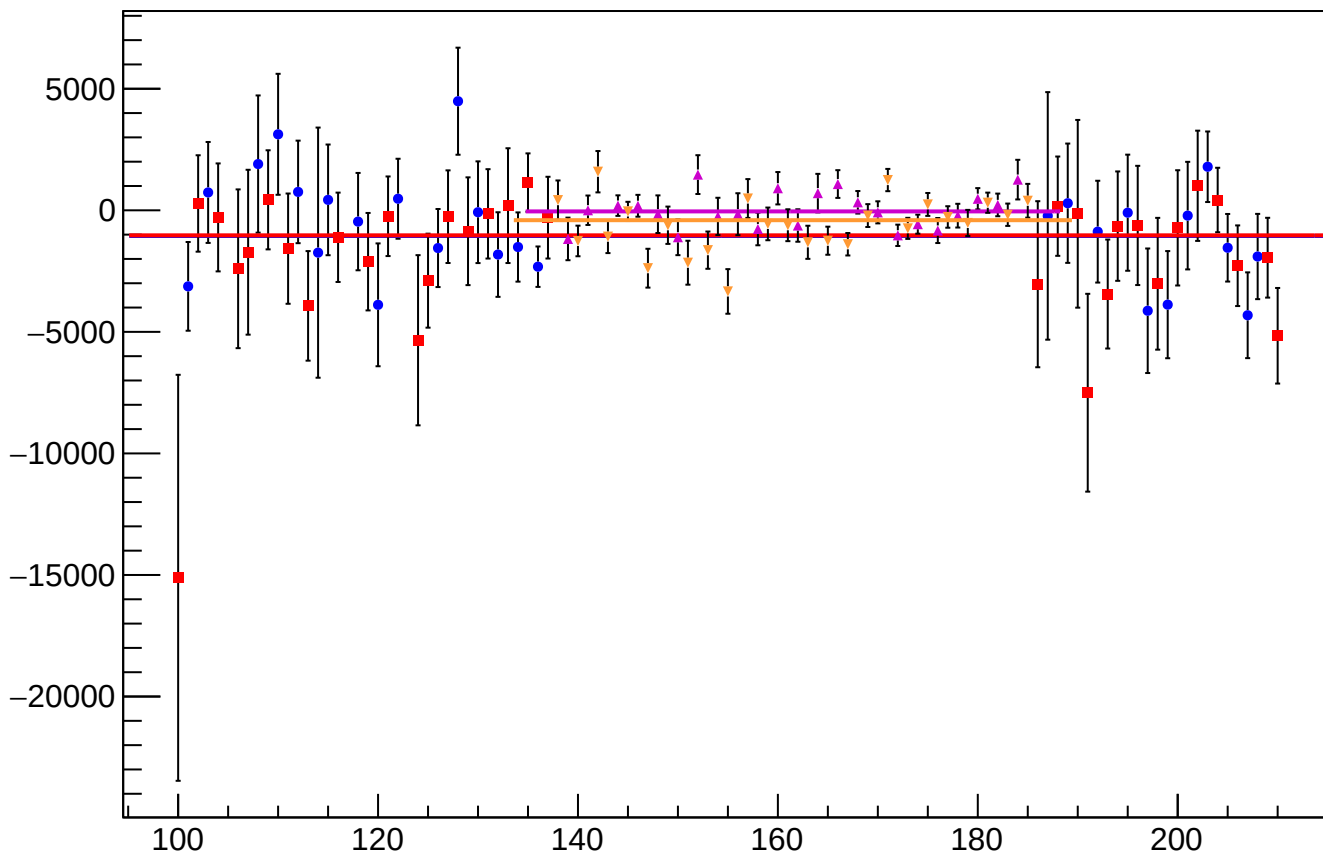
Left In: 58.397 $\pm$ 0.010 χ^2 /NDF: 735208.2/22

+ sign 66.269 $\pm$ 0.009 χ^2 /NDF: 10271254.1/51

All: 67.233 $\pm$ 0.006 χ^2 /NDF: 22808291.6/107

- sign 68.251 $\pm$ 0.009 χ^2 /NDF: 12511408.5/55

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug



Right In: -1054.351 ± 354.573 $\chi^2/\text{NDF}: 30.0/26$

Left Out: -406.320 ± 113.468 $\chi^2/\text{NDF}: 63.2/24$

Right Out: -1030.226 ± 361.748 $\chi^2/\text{NDF}: 25.3/32$

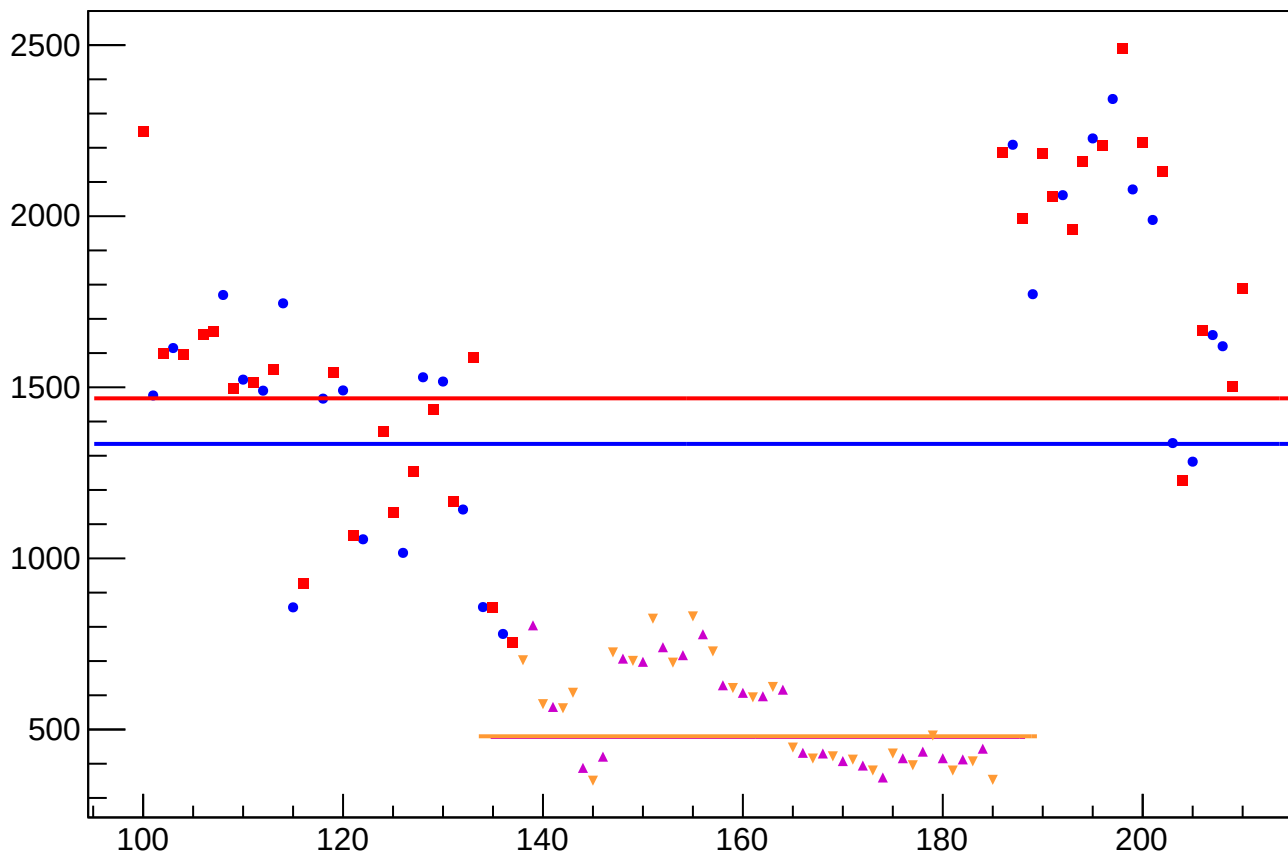
Left In: -44.830 ± 115.765 $\chi^2/\text{NDF}: 31.1/22$

+ sign -466.518 ± 108.069 $\chi^2/\text{NDF}: 96.2/51$

All: -304.753 ± 77.178 $\chi^2/\text{NDF}: 163.8/107$

- sign -136.370 ± 110.257 $\chi^2/\text{NDF}: 63.1/55$

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1334.580+/-0.251 χ^2/NDF : 3019973.0/26

Left Out: 480.162+/-0.080 χ^2/NDF : 2582209.1/24

Right Out: 1467.741+/-0.256 χ^2/NDF : 2971591.8/32

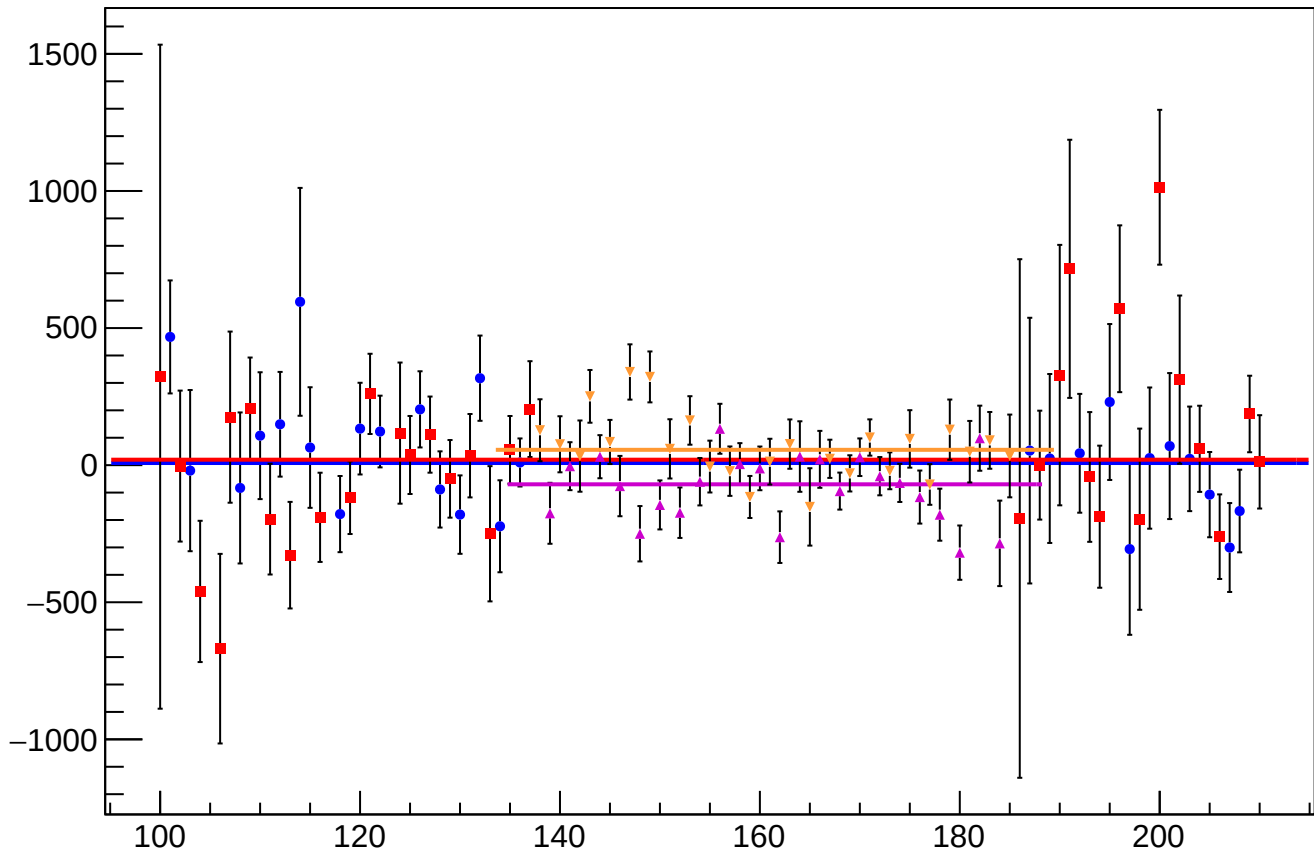
Left In: 478.084+/-0.082 χ^2/NDF : 2215518.9/22

+ sign 559.532+/-0.076 χ^2/NDF : 16136748.4/51

All: 564.671+/-0.055 χ^2/NDF : 34911353.5/10

- sign 570.019+/-0.078 χ^2/NDF : 18765377.1/55

dit_asym_sam_3726_avg_mean vs Slug



Right In: 7.840 ± 33.992 $\chi^2/\text{NDF}: 28.3/26$

Left Out: 55.949 ± 17.949 $\chi^2/\text{NDF}: 38.3/24$

Right Out: 19.946 ± 33.848 $\chi^2/\text{NDF}: 47.0/32$

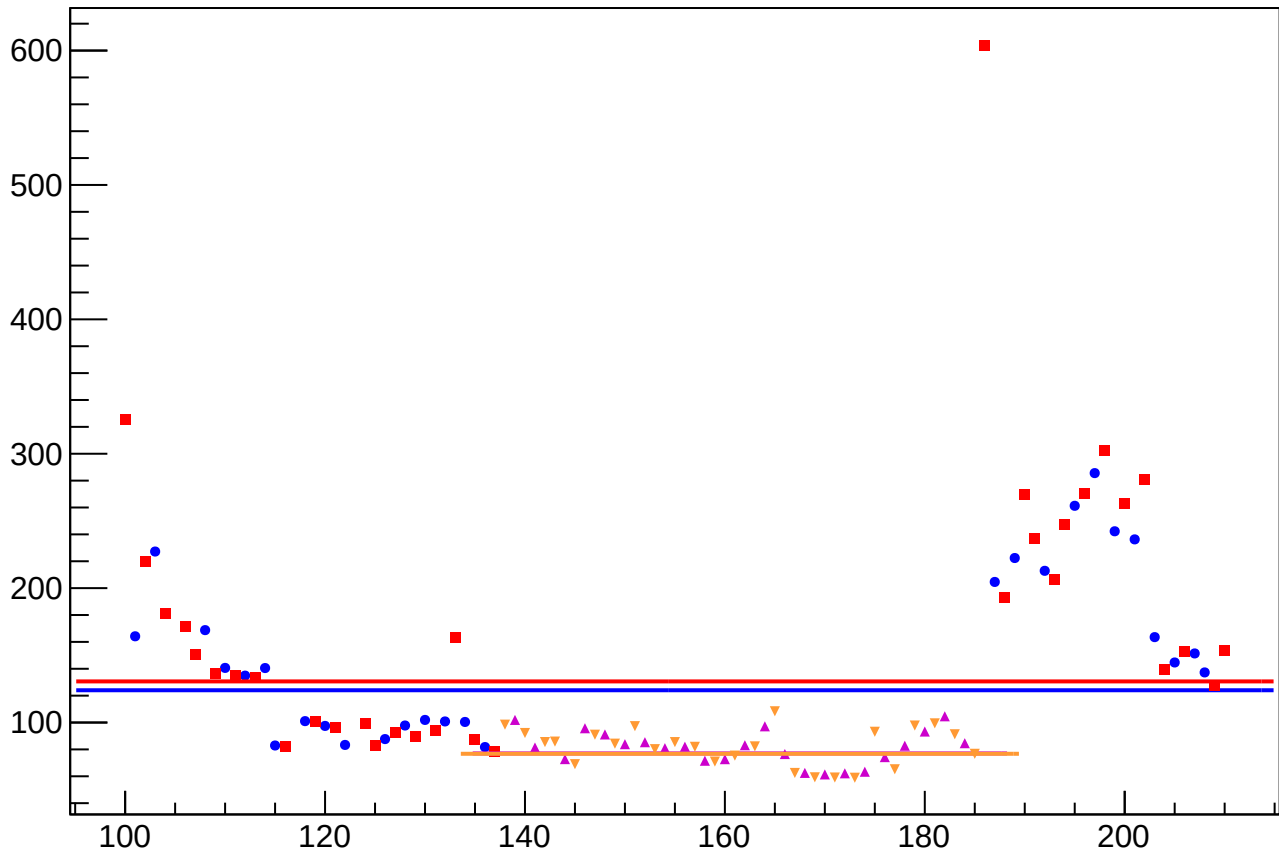
Left In: -69.844 ± 18.497 $\chi^2/\text{NDF}: 34.5/22$

+ sign 45.459 ± 15.872 $\chi^2/\text{NDF}: 68.2/51$

All: -0.810 ± 11.348 $\chi^2/\text{NDF}: 172.6/107$

- sign -49.196 ± 16.231 $\chi^2/\text{NDF}: 87.0/55$

dit_asym_sam_3726_avg_rms vs Slug



Right In: 124.016 $\pm$ 0.024 χ^2 /NDF: 4136288.9/26

Left Out: 76.744 $\pm$ 0.013 χ^2 /NDF:1234629.1/24

Right Out: 130.598 $\pm$ 0.024 χ^2 /NDF: 5465265.1/32

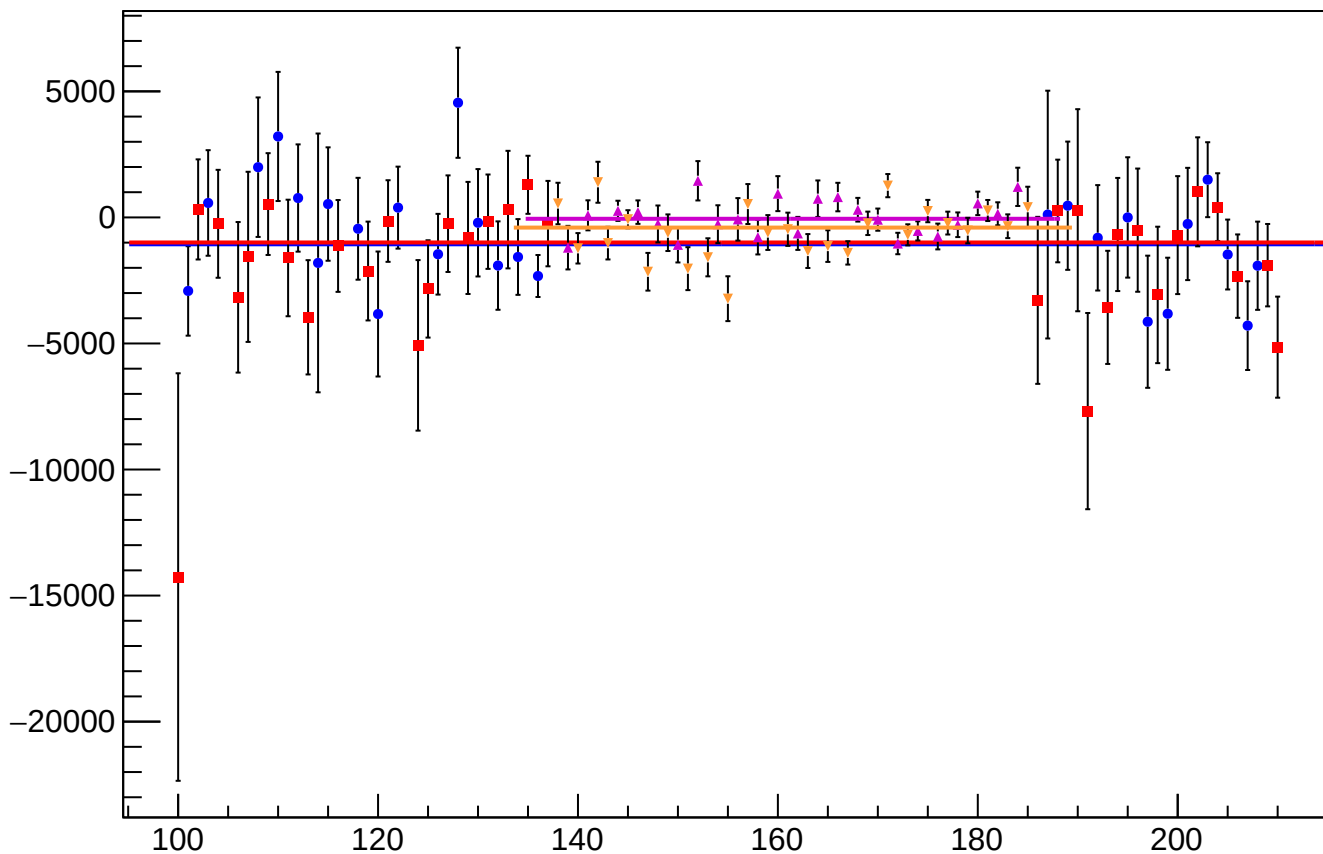
Left In: 77.018 $\pm$ 0.013 χ^2 /NDF:858871.7/22

+ sign 87.051 $\pm$ 0.011 χ^2 /NDF: 8395596.2/51

All: 88.169 $\pm$ 0.008 χ^2 /NDF: 18599184.4/107

- sign 89.339 $\pm$ 0.011 χ^2 /NDF: 10183272.8/55

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -1066.040 ± 356.358 χ^2/NDF : 28.9/26

Left Out: -403.375 ± 111.773 χ^2/NDF : 60.7/24

Right Out: -994.163 ± 358.927 χ^2/NDF : 27.1/32

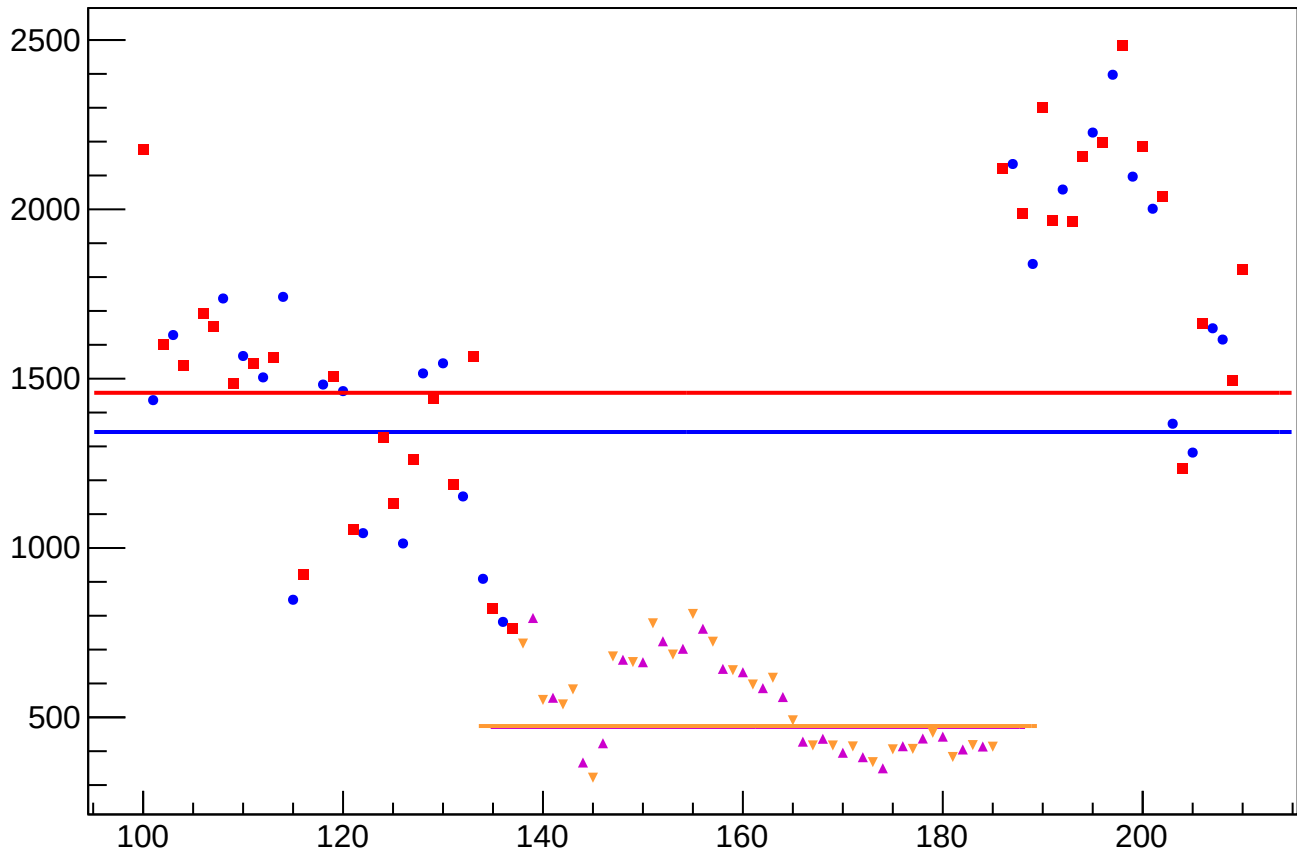
Left In: -54.192 ± 114.223 χ^2/NDF : 30.7/22

+ sign -462.728 ± 106.650 χ^2/NDF : 92.8/51

All: -304.960 ± 76.177 χ^2/NDF : 161.2/107

- sign -140.632 ± 108.845 χ^2/NDF : 63.9/55

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1342.533 $\pm$ 0.252 χ^2 /NDF: 2993407.1/26

Left Out: 474.294 $\pm$ 0.079 χ^2 /NDF: 2538995.4/24

Right Out: 1458.291 $\pm$ 0.254 χ^2 /NDF: 3024175.6/32

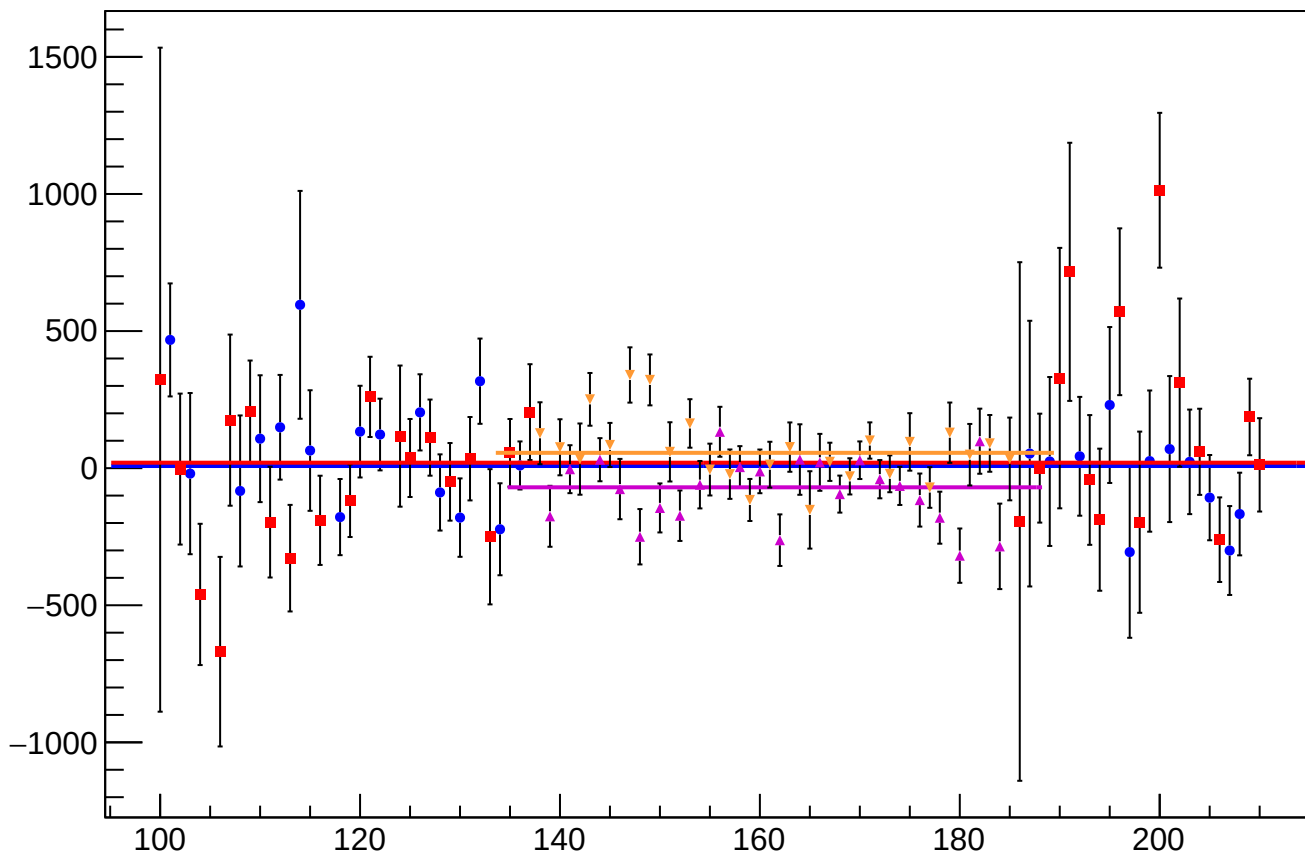
Left In: 471.456 $\pm$ 0.081 χ^2 /NDF: 2209343.4/22

+ sign 552.060 $\pm$ 0.075 χ^2 /NDF: 16341322.8/51

All: 557.029 $\pm$ 0.054 χ^2 /NDF: 35311833.1/10

- sign 562.206 $\pm$ 0.077 χ^2 /NDF: 18961644.1/55

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 7.841 ± 33.992 $\chi^2/\text{NDF}: 28.3/26$

Left Out: 55.948 ± 17.949 $\chi^2/\text{NDF}: 38.3/24$

Right Out: 19.948 ± 33.848 $\chi^2/\text{NDF}: 47.0/32$

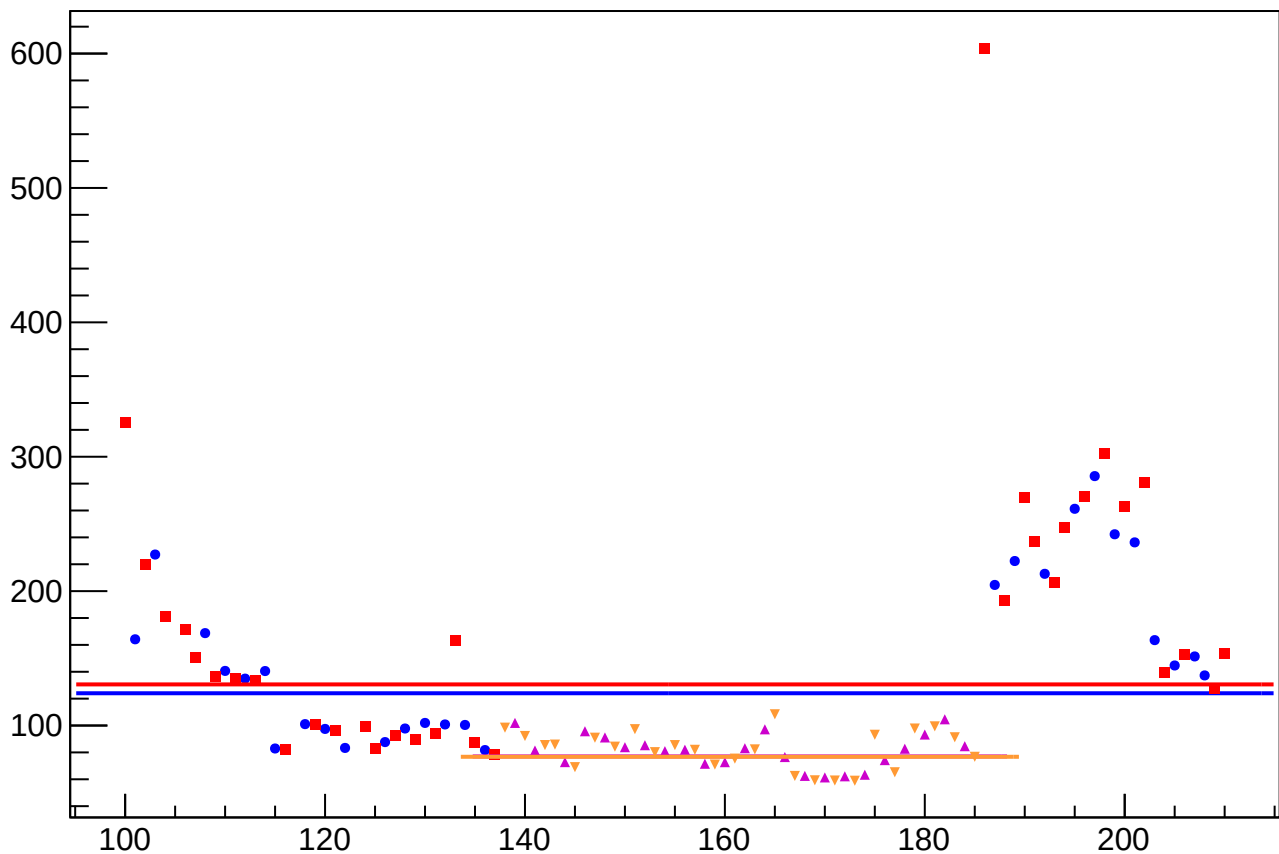
Left In: -69.843 ± 18.497 $\chi^2/\text{NDF}: 34.5/22$

+ sign 45.459 ± 15.872 $\chi^2/\text{NDF}: 68.2/51$

All: -0.810 ± 11.348 $\chi^2/\text{NDF}: 172.6/107$

- sign -49.195 ± 16.231 $\chi^2/\text{NDF}: 87.0/55$

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 124.016 $\pm$ 0.024 χ^2 /NDF: 4136297.4/26

Left Out: 76.744 $\pm$ 0.013 χ^2 /NDF:1234627.7/24

Right Out: 130.598 $\pm$ 0.024 χ^2 /NDF: 5465275.1/32

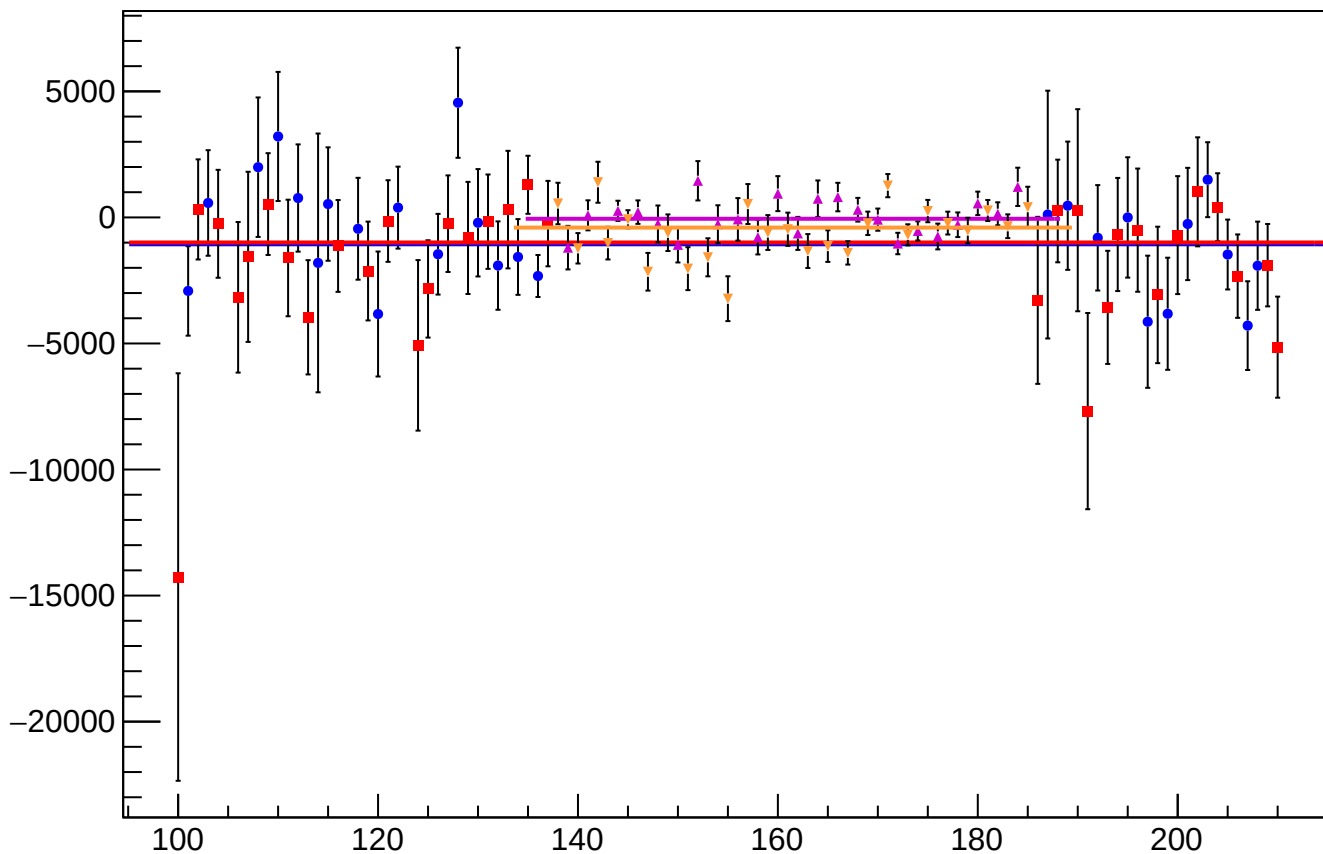
Left In: 77.018 $\pm$ 0.013 χ^2 /NDF:858863.2/22

+ sign 87.051 $\pm$ 0.011 χ^2 /NDF: 8395542.6/51

All: 88.169 $\pm$ 0.008 χ^2 /NDF: 18599074.8/107

- sign 89.339 $\pm$ 0.011 χ^2 /NDF: 10183216.1/55

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug



Right In: -1066.037 ± 356.358 χ^2/NDF : 28.9/26

Left Out: -403.375 ± 111.773 χ^2/NDF : 60.7/24

Right Out: -994.163 ± 358.927 χ^2/NDF : 27.1/32

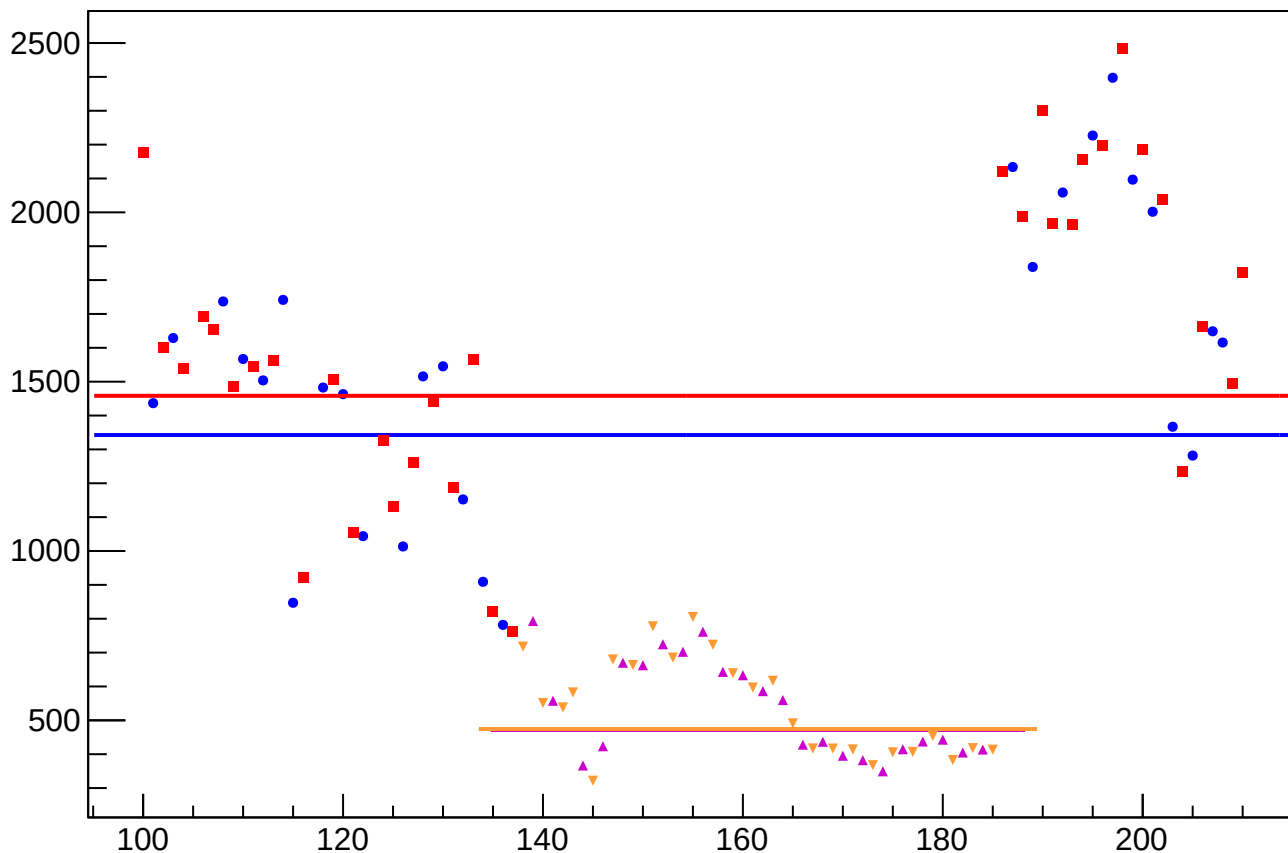
Left In: -54.192 ± 114.223 χ^2/NDF : 30.7/22

+ sign -462.728 ± 106.650 χ^2/NDF : 92.8/51

All: -304.960 ± 76.177 χ^2/NDF : 161.2/107

- sign -140.632 ± 108.845 χ^2/NDF : 63.9/55

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1342.532 $\pm$ 0.252 χ^2 /NDF: 2993398.3/26

Left Out: 474.294 $\pm$ 0.079 χ^2 /NDF: 2538999.2/24

Right Out: 1458.290 $\pm$ 0.254 χ^2 /NDF: 3024171.9/32

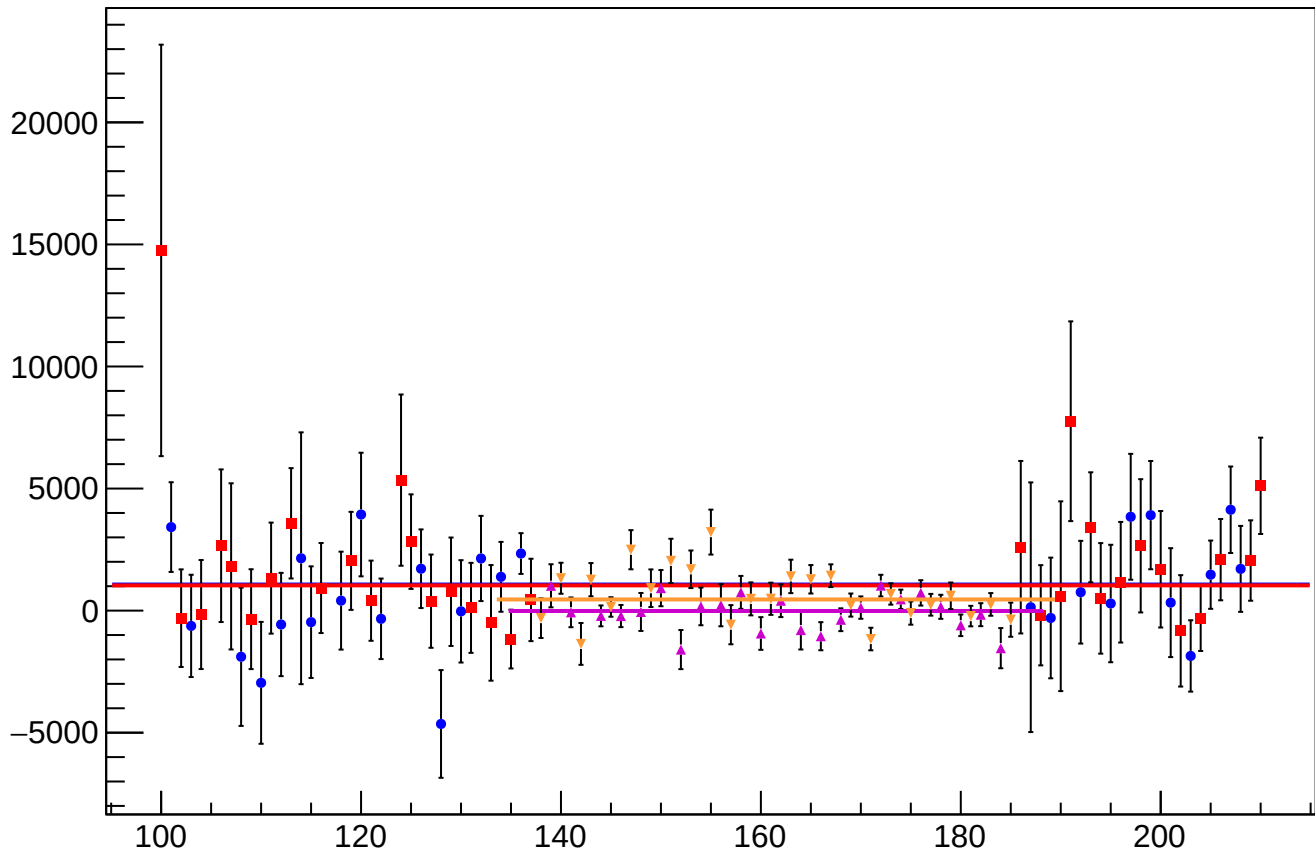
Left In: 471.456 $\pm$ 0.081 χ^2 /NDF: 2209338.4/22

+ sign 552.059 $\pm$ 0.075 χ^2 /NDF: 16341321.1/51

All: 557.029 $\pm$ 0.054 χ^2 /NDF: 35311817.2/10

- sign 562.206 $\pm$ 0.077 χ^2 /NDF: 18961629.6/55

asym_sam_3726_avg_mean vs Slug



Right In: 1068.252 ± 356.216 χ^2/NDF : 29.7/26

Left Out: 457.286 ± 114.351 χ^2/NDF : 59.4/24

Right Out: 1033.590 ± 363.150 χ^2/NDF : 24.1/32

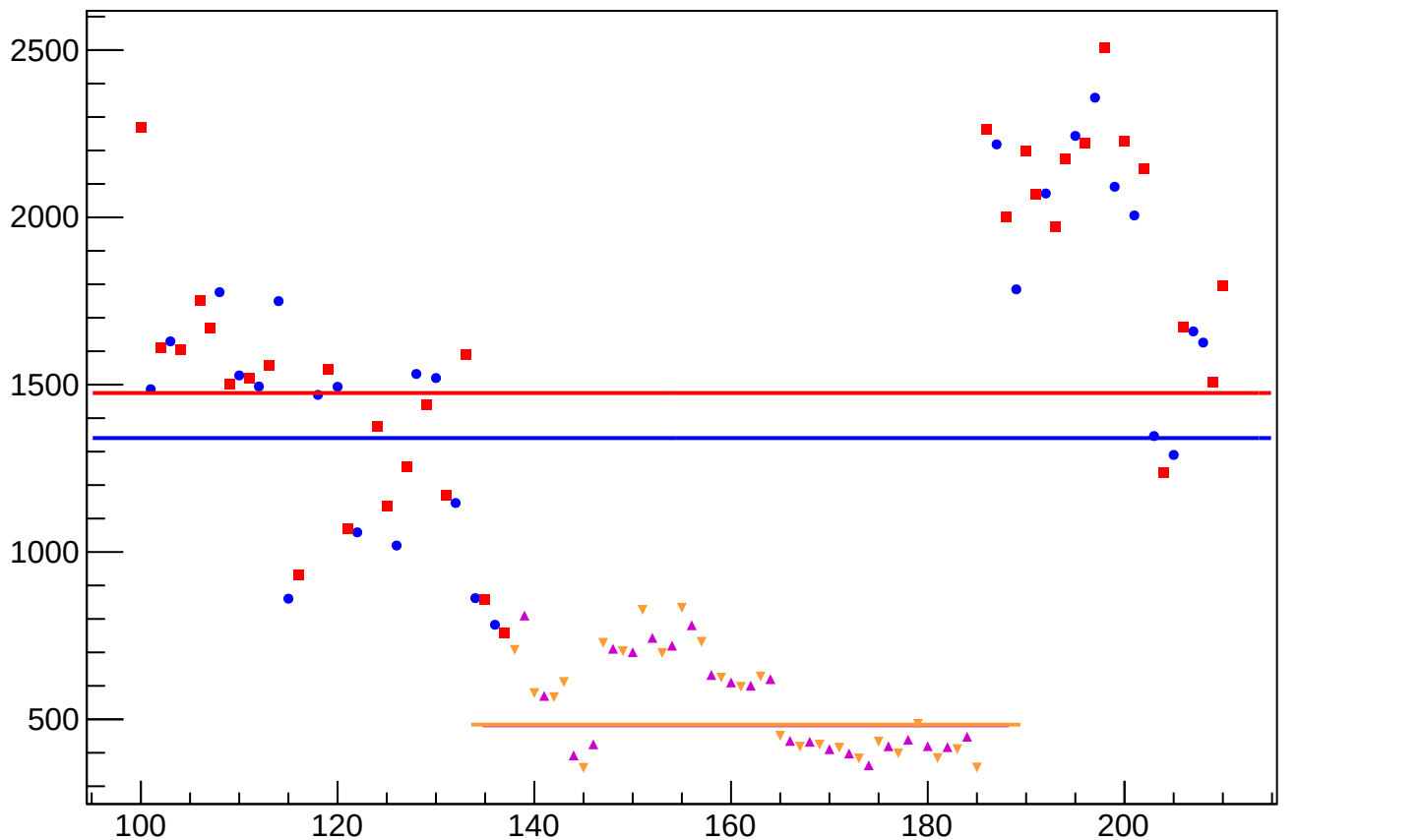
Left In: -15.089 ± 116.701 χ^2/NDF : 30.3/22

+ sign 514.365 ± 108.879 χ^2/NDF : 91.7/51

All: 303.082 ± 77.764 χ^2/NDF : 161.4/107

- sign 83.071 ± 111.105 χ^2/NDF : 61.9/55

asym_sam_3726_avg_rms vs Slug



Right In: 1340.525 $\pm$ 0.252 χ^2 /NDF: 3030996.1/26

Left Out: 484.128 $\pm$ 0.081 χ^2 /NDF: 2548479.4/24

Right Out: 1475.162 $\pm$ 0.257 χ^2 /NDF: 3009989.1/32

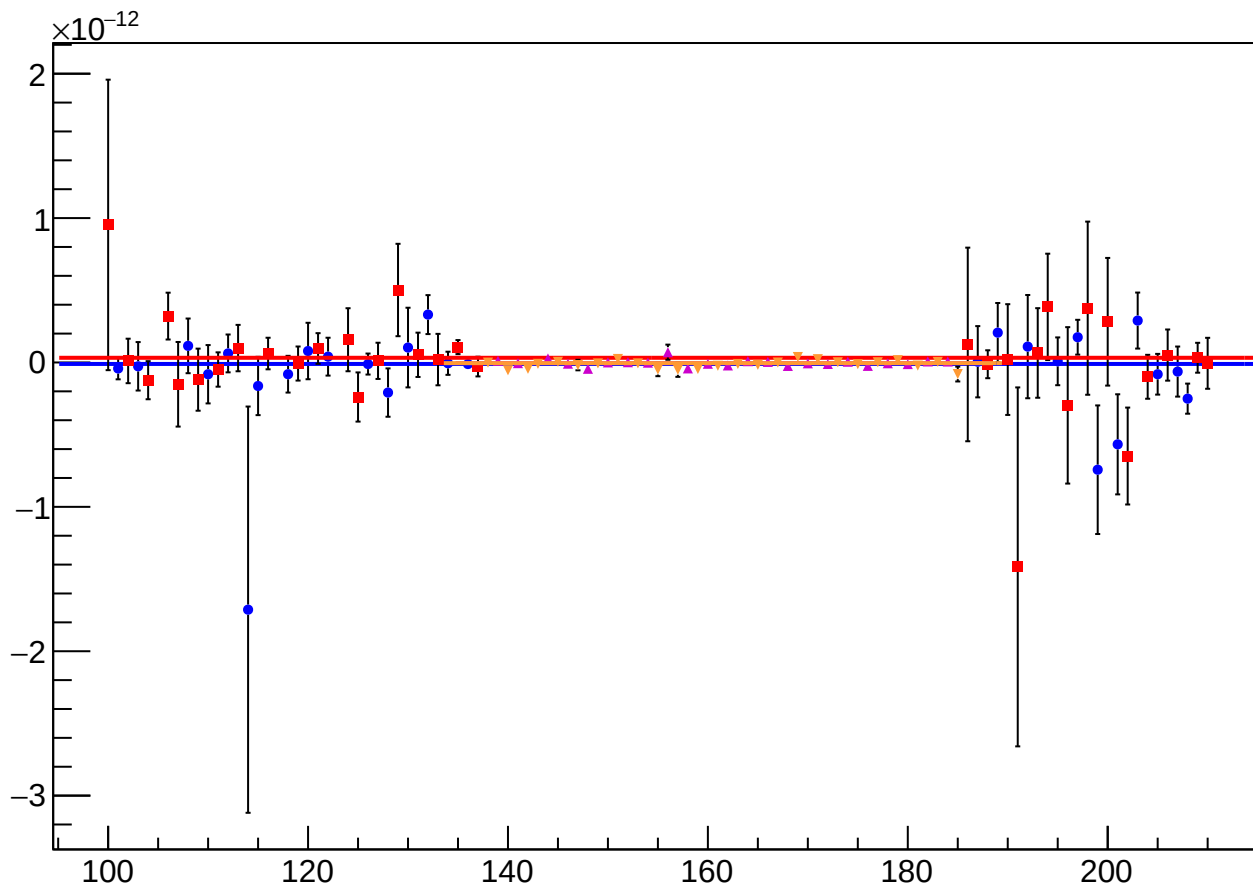
Left In: 482.160 $\pm$ 0.083 χ^2 /NDF: 2186689.9/22

+ sign 564.136 $\pm$ 0.077 χ^2 /NDF: 16059380.3/51

All: 569.511 $\pm$ 0.055 χ^2 /NDF: 34820265.2/10

- sign 575.108 $\pm$ 0.079 χ^2 /NDF: 18750935.0/55

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 28.7/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 31.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 24.1/32

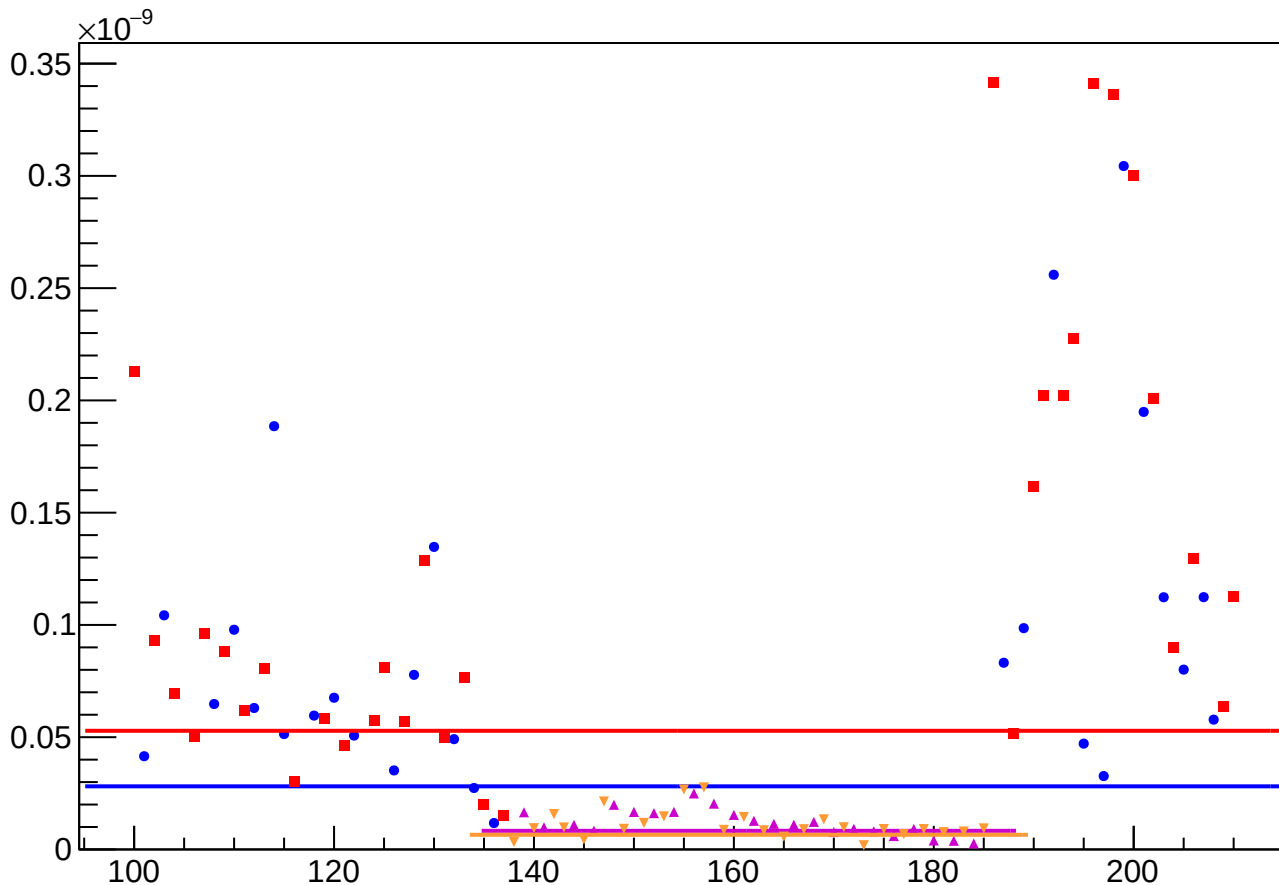
Left In: -0.000 ± 0.000 χ^2/NDF : 15.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 59.8/51

All: -0.000 ± 0.000 χ^2/NDF : 101.3/107

- sign -0.000 ± 0.000 χ^2/NDF : 41.4/55

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6751917.6/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6453479.2/32

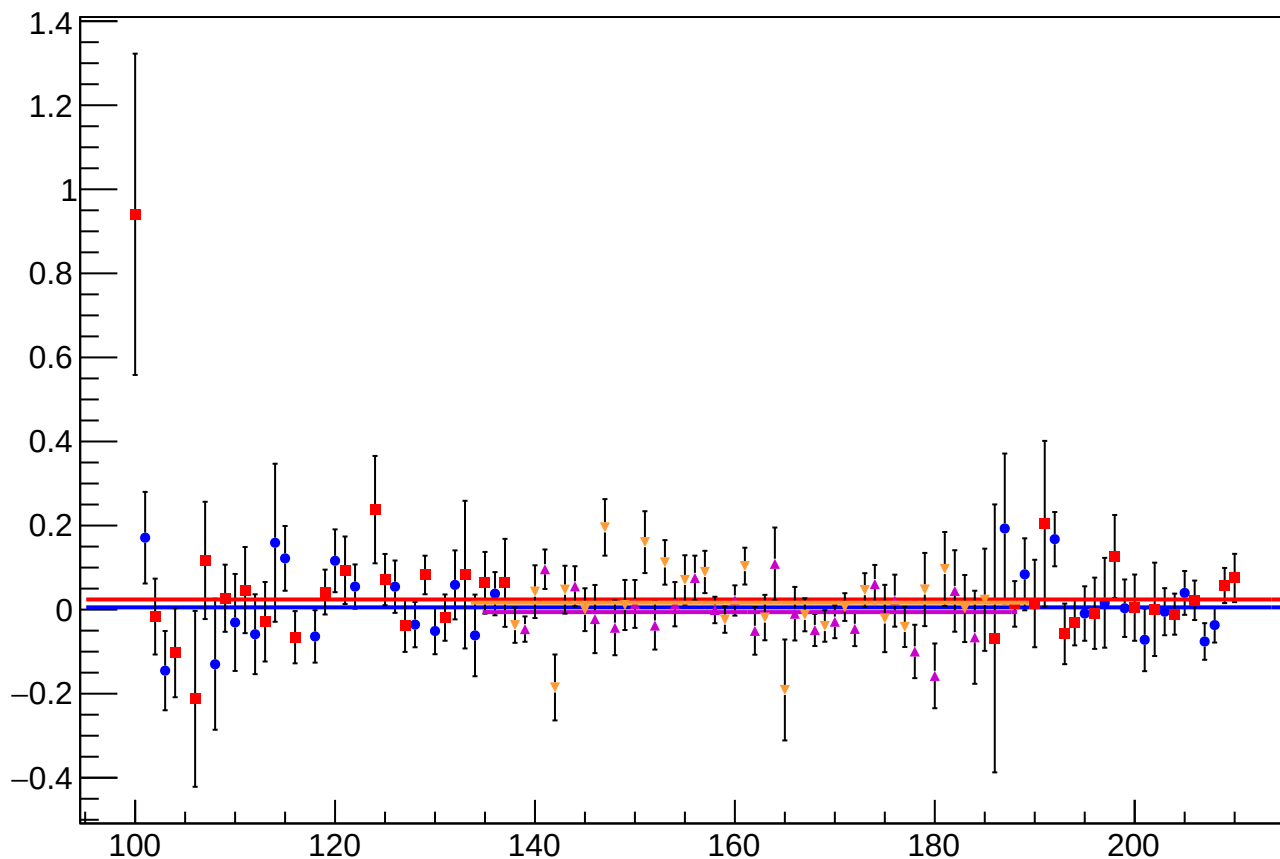
Left In: 0.000+/-0.000 χ^2/NDF : 2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 13805111.0/51

All: 0.000+/-0.000 χ^2/NDF : 30085742.2/107

- sign 0.000+/-0.000 χ^2/NDF : 15917345.0/55

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.013 χ^2 /NDF: 31.3/26

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF:41.1/24

Right Out: 0.024 $\pm$ 0.013 χ^2 /NDF: 26.2/32

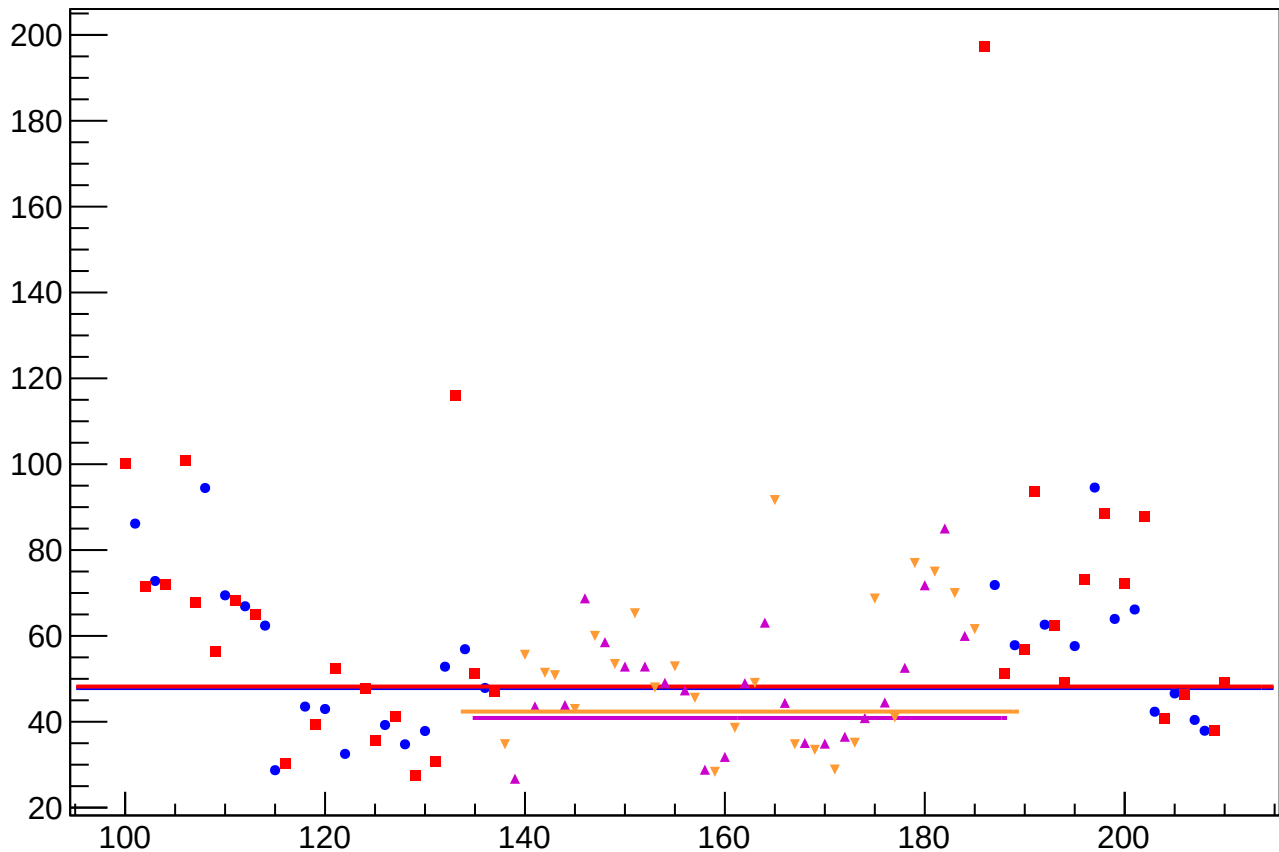
Left In: -0.006 $\pm$ 0.010 χ^2 /NDF:26.0/22

+ sign 0.012 $\pm$ 0.008 χ^2 /NDF: 72.9/51

All: 0.009 $\pm$ 0.006 χ^2 /NDF: 128.7/107

- sign 0.006 $\pm$ 0.008 χ^2 /NDF: 55.6/55

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 47.851 $\pm$ 0.009 χ^2/NDF : 2305942.1/26

Left Out: 42.375 $\pm$ 0.007 χ^2/NDF : 3190972.5/24

Right Out: 48.201 $\pm$ 0.009 χ^2/NDF : 3602888.7/32

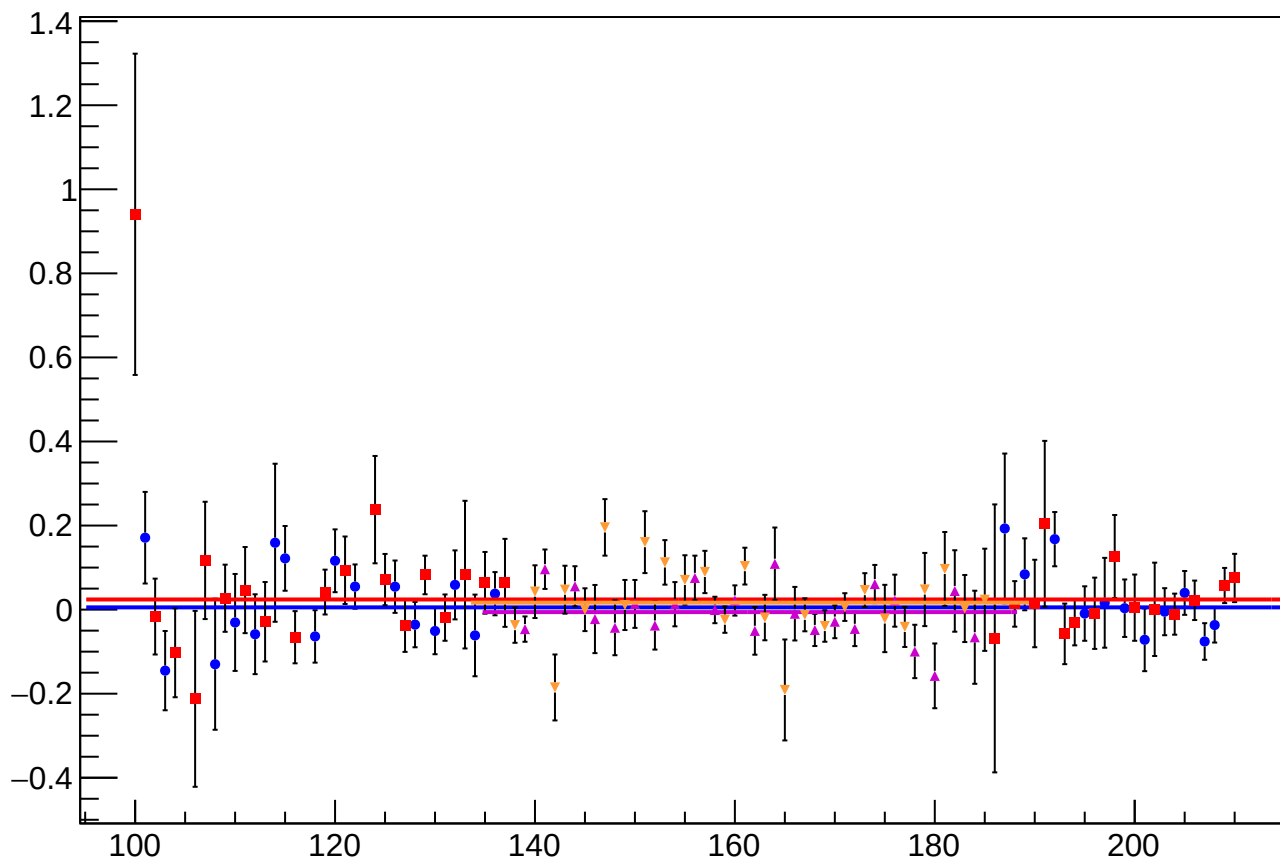
Left In: 40.881 $\pm$ 0.007 χ^2/NDF : 2678327.2/22

+ sign 44.495 $\pm$ 0.006 χ^2/NDF : 5713759.8/51

All: 44.153 $\pm$ 0.004 χ^2/NDF : 12409540.0/107

- sign 43.824 $\pm$ 0.006 χ^2/NDF : 6688786.7/55

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.013 χ^2 /NDF: 31.3/26

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF:41.1/24

Right Out: 0.024 $\pm$ 0.013 χ^2 /NDF: 26.2/32

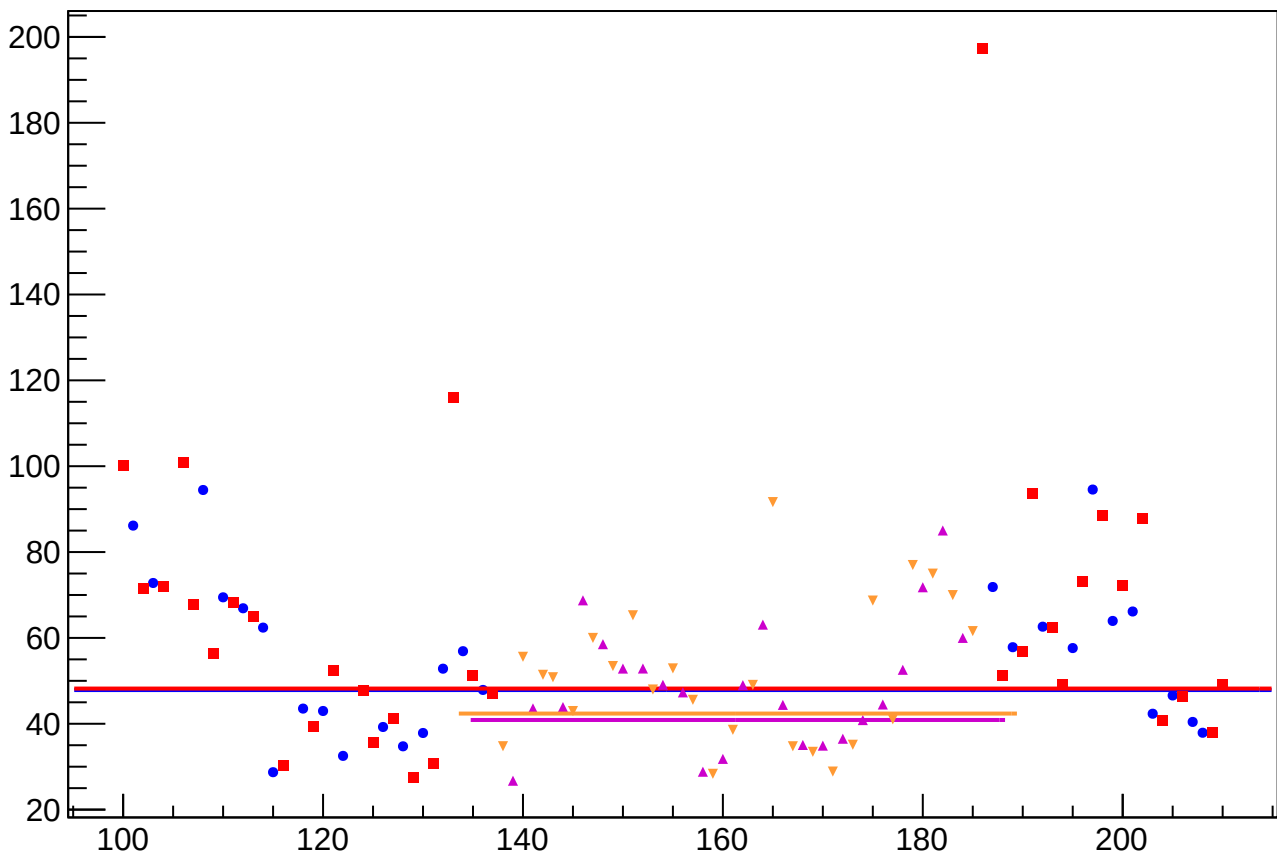
Left In: -0.006 $\pm$ 0.010 χ^2 /NDF:26.0/22

+ sign 0.012 $\pm$ 0.008 χ^2 /NDF: 72.9/51

All: 0.009 $\pm$ 0.006 χ^2 /NDF: 128.7/107

- sign 0.006 $\pm$ 0.008 χ^2 /NDF: 55.6/55

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.851+/-0.009 χ^2/NDF : 2305942.1/26

Left Out: 42.375+/-0.007 χ^2/NDF : 3190972.5/24

Right Out: 48.201+/-0.009 χ^2/NDF : 3602888.7/32

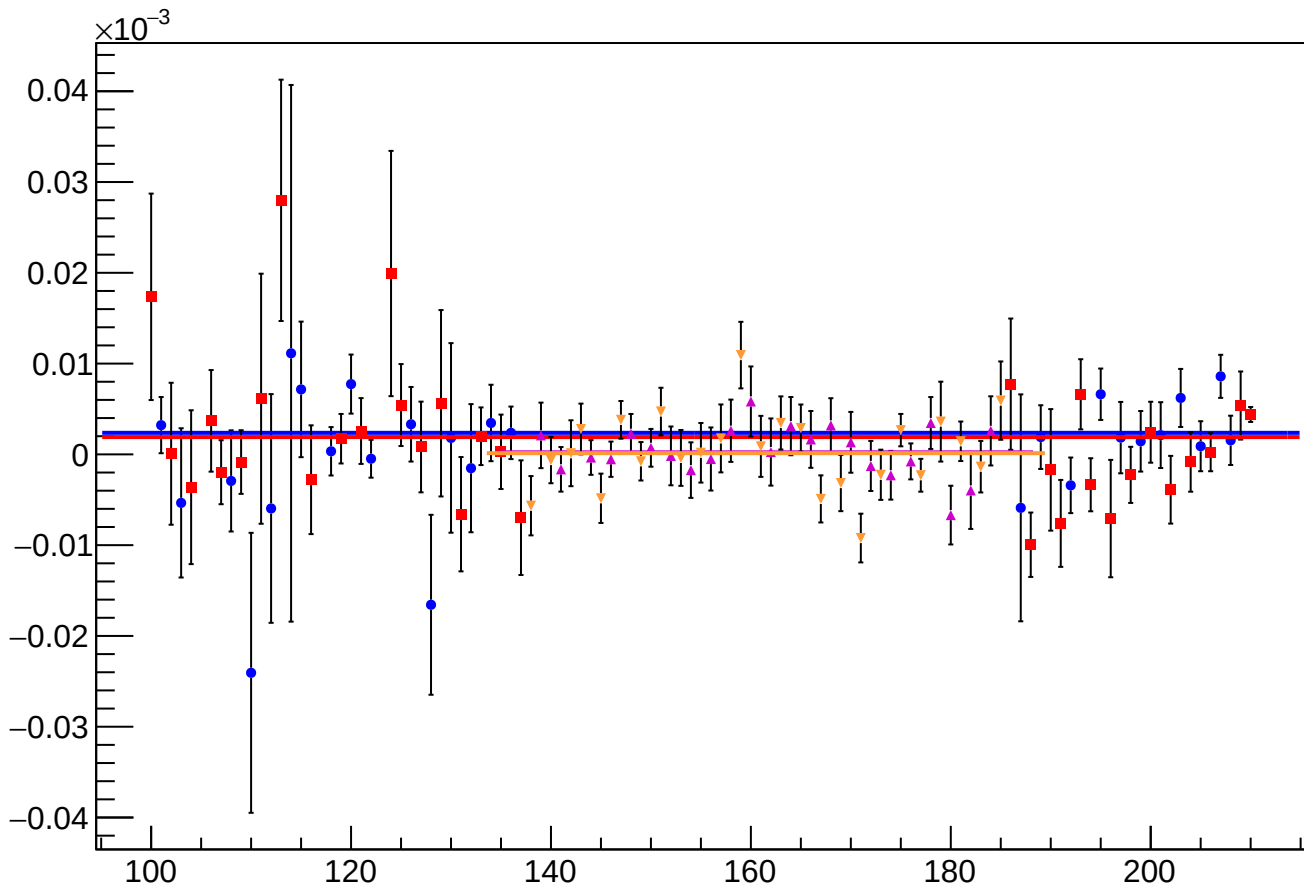
Left In: 40.881+/-0.007 χ^2/NDF : 2678327.2/22

+ sign 44.495+/-0.006 χ^2/NDF : 5713759.8/51

All: 44.153+/-0.004 χ^2/NDF : 12409540.0/107

- sign 43.824+/-0.006 χ^2/NDF : 6688786.7/55

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:49.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 53.7/32

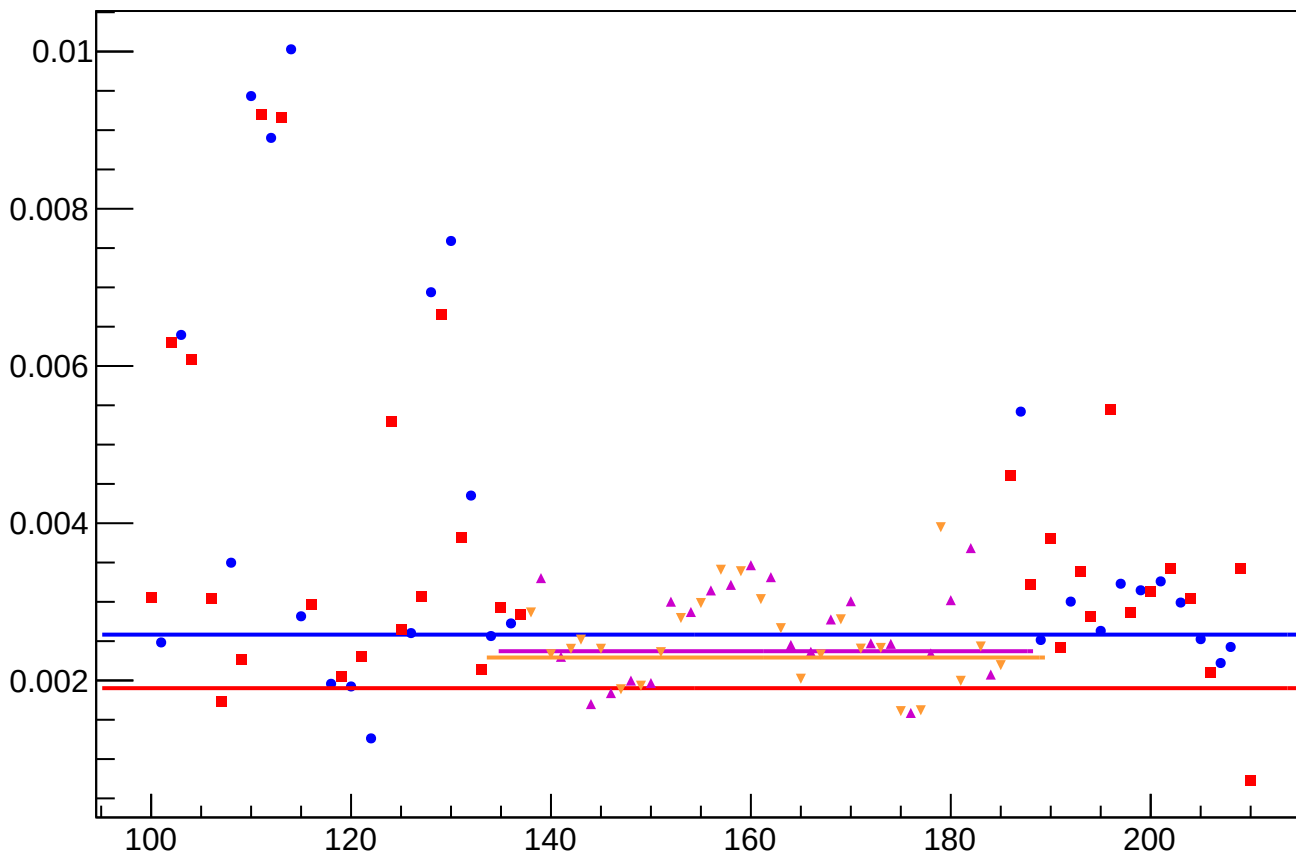
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 86.4/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 160.5/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 74.0/55

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 3893479.9/26

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1818891.6/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 10925816.0/32

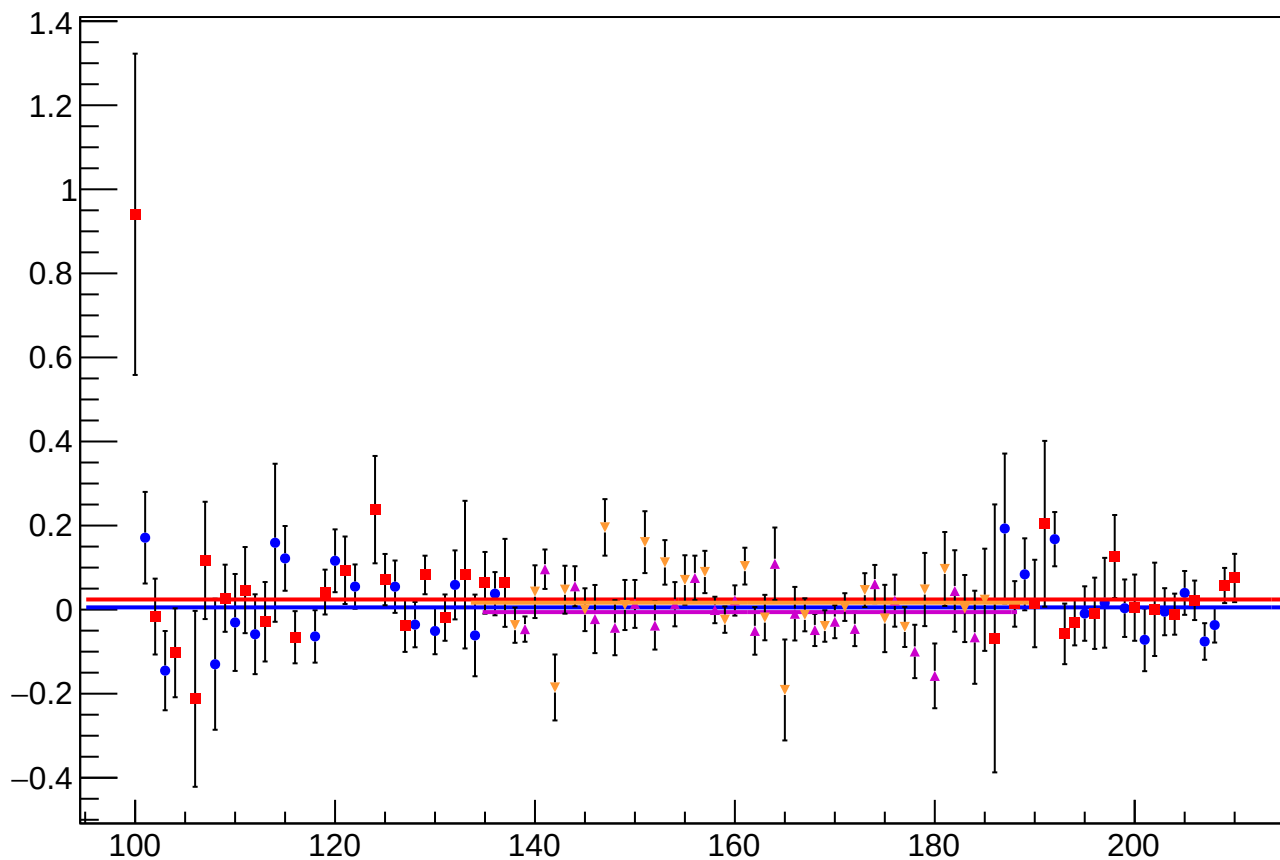
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:2020314.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5928651.8/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 20008038.7/107

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13641427.3/55

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.013 χ^2 /NDF: 31.3/26

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF: 41.1/24

Right Out: 0.024 $\pm$ 0.013 χ^2 /NDF: 26.2/32

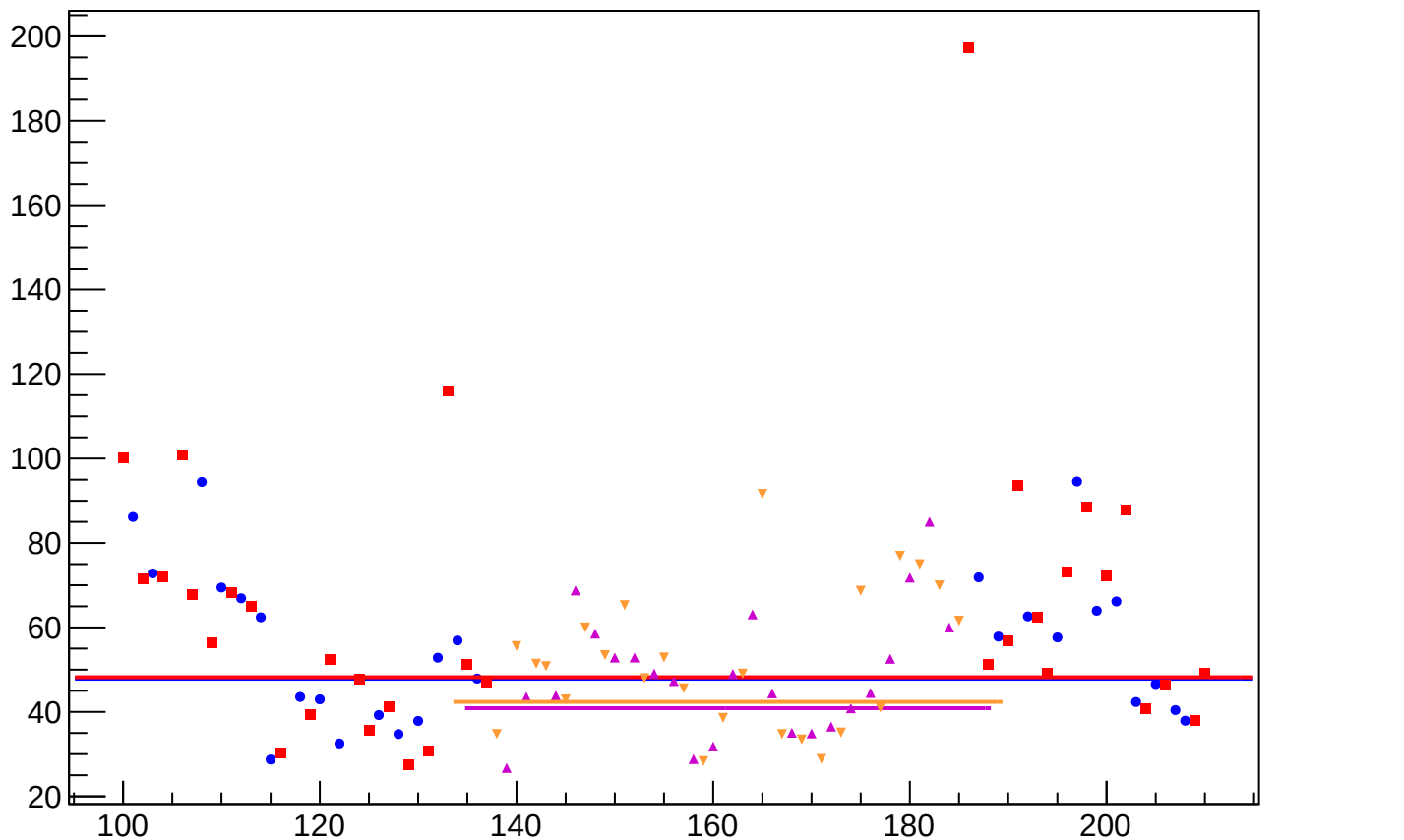
Left In: -0.006 $\pm$ 0.010 χ^2 /NDF: 26.0/22

+ sign 0.012 $\pm$ 0.008 χ^2 /NDF: 72.9/51

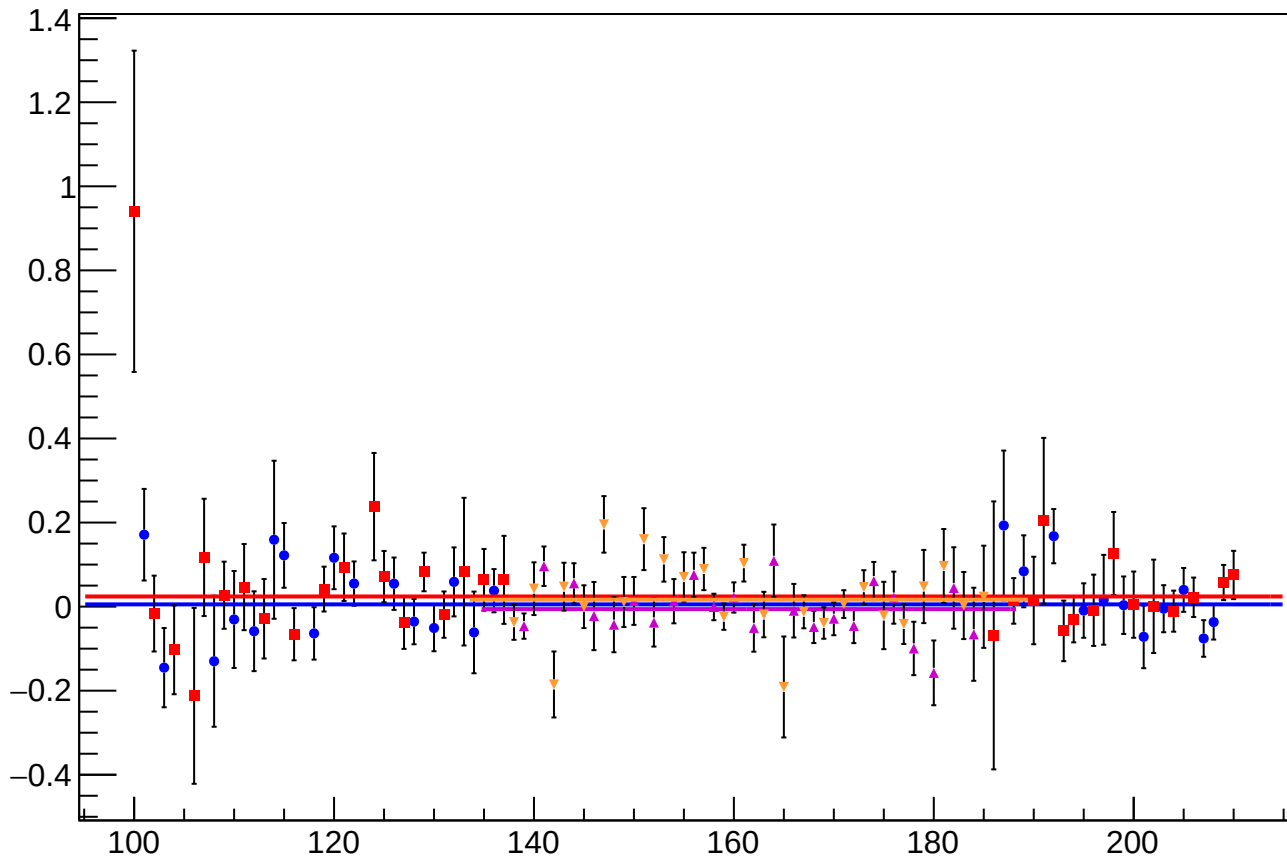
All: 0.009 $\pm$ 0.006 χ^2 /NDF: 128.7/107

- sign 0.006 $\pm$ 0.008 χ^2 /NDF: 55.6/55

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.013 χ^2/NDF : 31.3/26

Left Out: 0.016 ± 0.010 χ^2/NDF : 41.1/24

Right Out: 0.024 ± 0.013 χ^2/NDF : 26.2/32

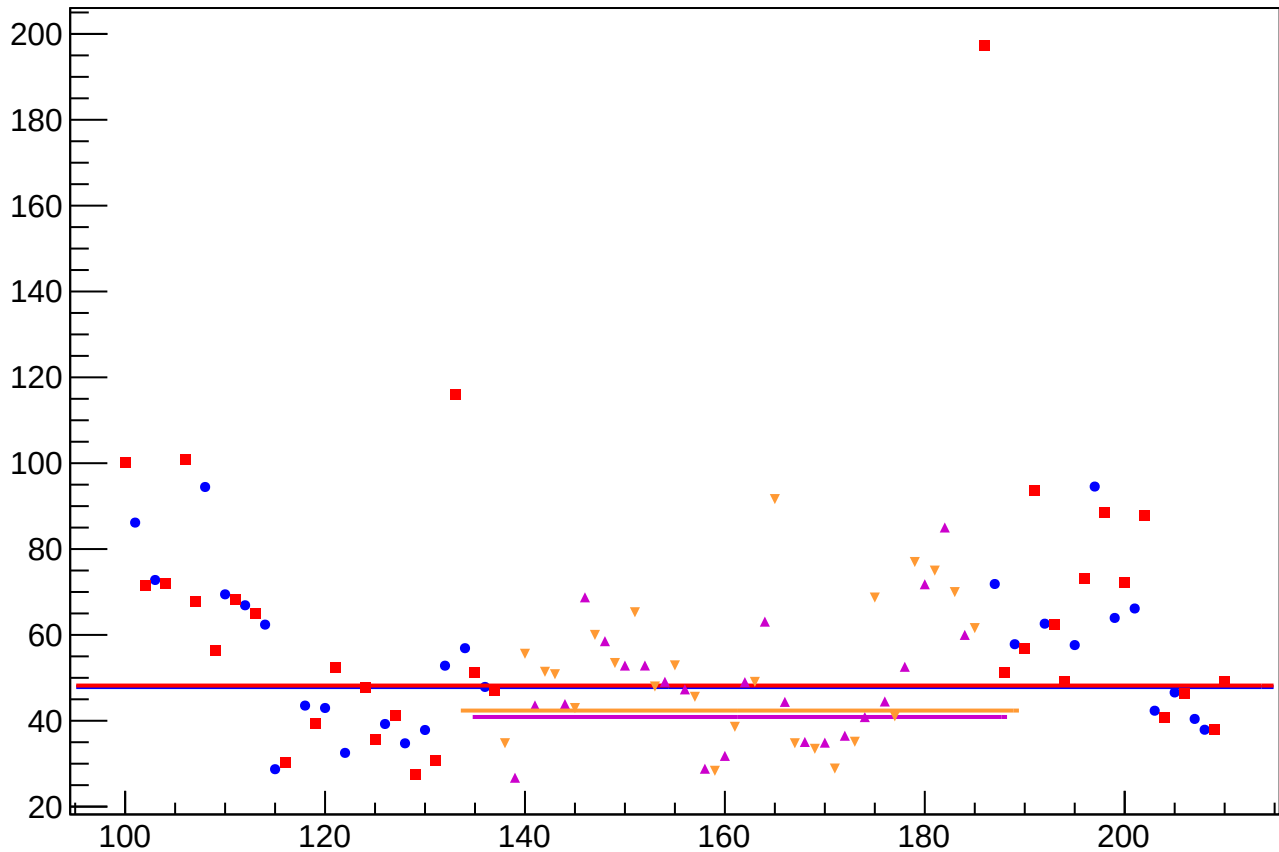
Left In: -0.006 ± 0.010 χ^2/NDF : 26.0/22

+ sign 0.012 ± 0.008 χ^2/NDF : 72.9/51

All: 0.009 ± 0.006 χ^2/NDF : 128.7/107

- sign 0.006 ± 0.008 χ^2/NDF : 55.6/55

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.851 $\pm$ 0.009 χ^2 /NDF: 2305903.6/26

Left Out: 42.375 $\pm$ 0.007 χ^2 /NDF: 3190999.9/24

Right Out: 48.201 $\pm$ 0.009 χ^2 /NDF: 3602800.9/32

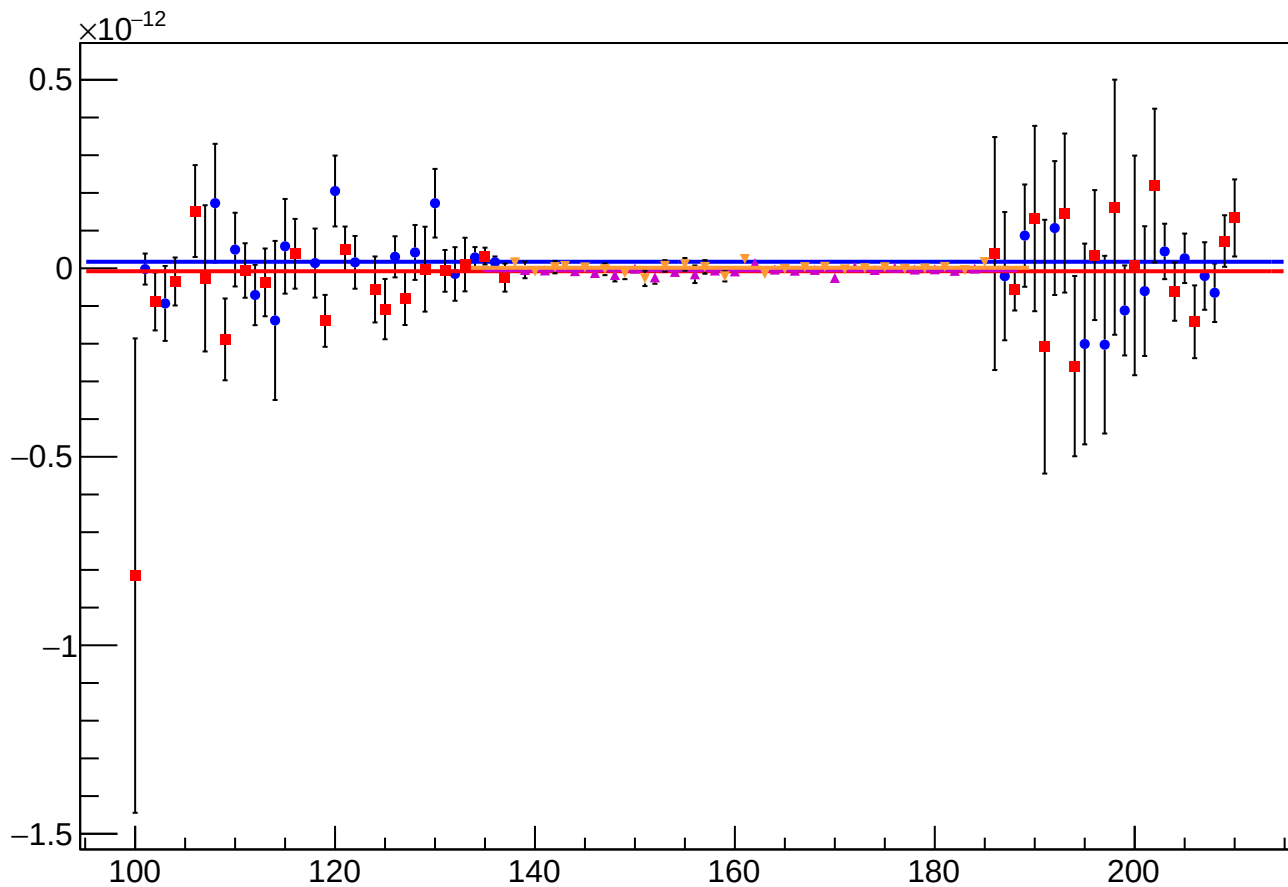
Left In: 40.881 $\pm$ 0.007 χ^2 /NDF: 2678344.3/22

+ sign 44.495 $\pm$ 0.006 χ^2 /NDF: 5713718.6/51

All: 44.153 $\pm$ 0.004 χ^2 /NDF: 12409402.2/107

- sign 43.824 $\pm$ 0.006 χ^2 /NDF: 6688692.7/55

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.8/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:19.7/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 29.2/32

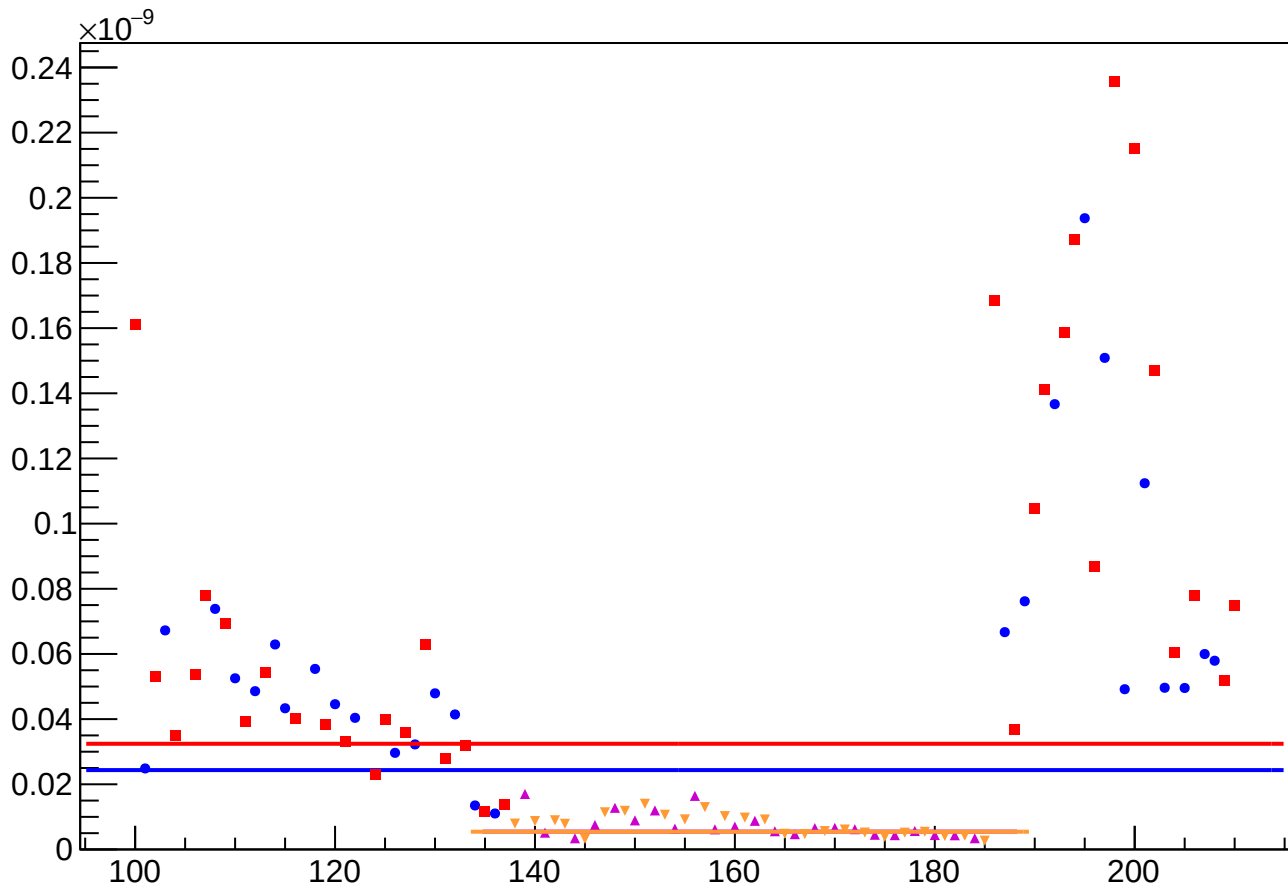
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:13.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 38.7/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 89.2/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 42.4/55

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8029782.7/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3789045.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9098250.9/32

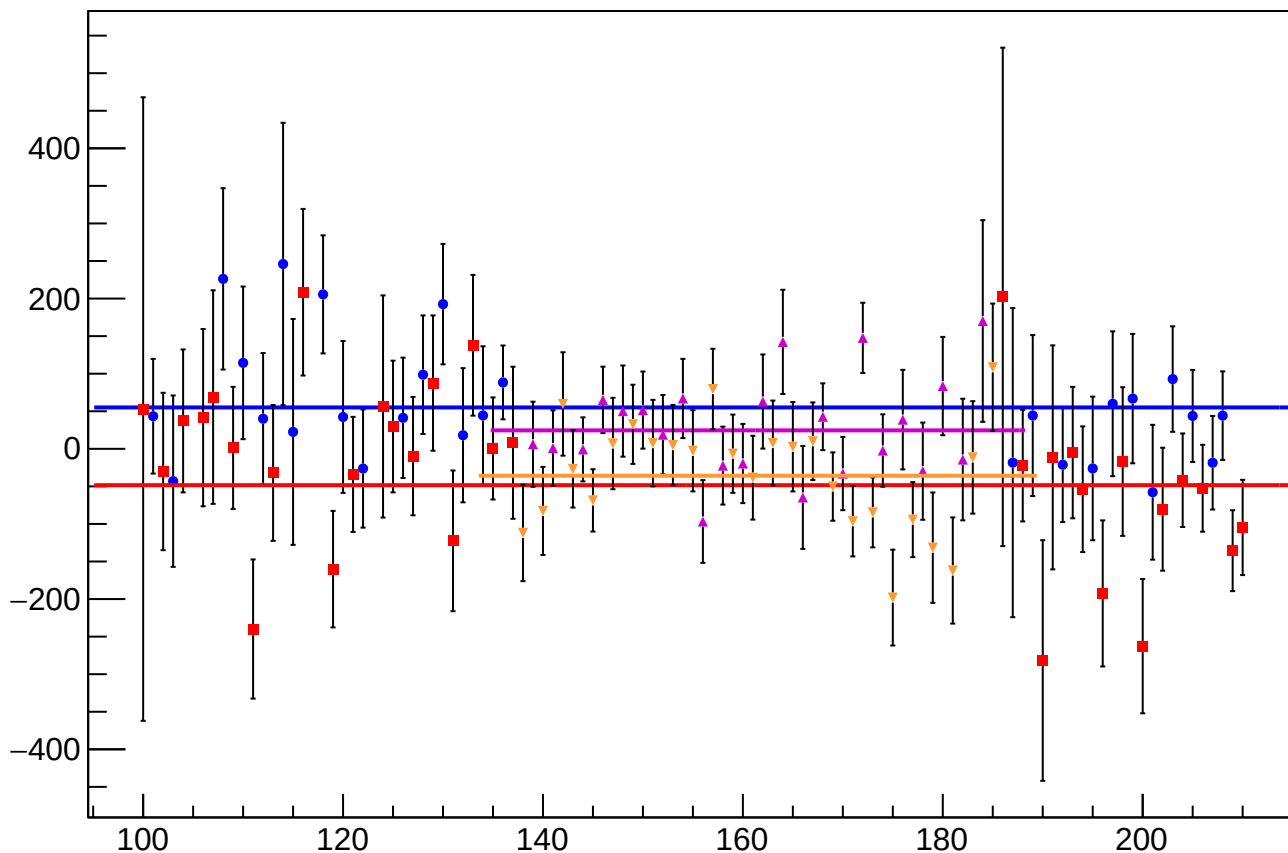
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2801443.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18063885.9/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39069488.8/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21003545.1/55

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 55.074 ± 15.927 χ^2/NDF : 18.1/26

Left Out: -35.787 ± 11.119 χ^2/NDF : 33.7/24

Right Out: -48.401 ± 15.213 χ^2/NDF : 38.3/32

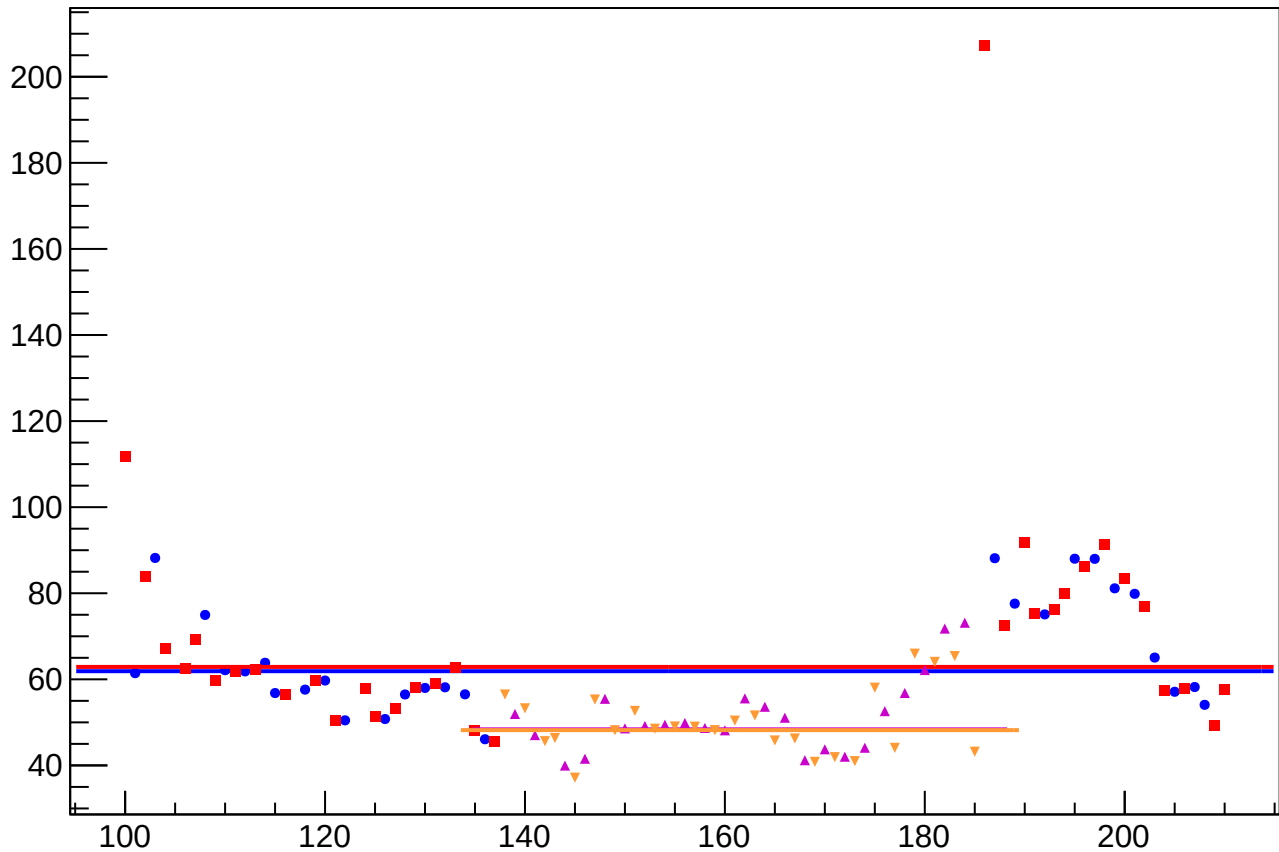
Left In: 24.572 ± 11.471 χ^2/NDF : 25.7/22

+ sign -6.012 ± 9.117 χ^2/NDF : 73.7/51

All: -3.955 ± 6.462 χ^2/NDF : 152.5/107

- sign -1.880 ± 9.159 χ^2/NDF : 78.7/55

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.891+/-0.011 χ^2/NDF : 1121741.5/26

Left Out: 48.198+/-0.008 χ^2/NDF : 780285.2/24

Right Out: 62.885+/-0.011 χ^2/NDF : 1648371.9/32

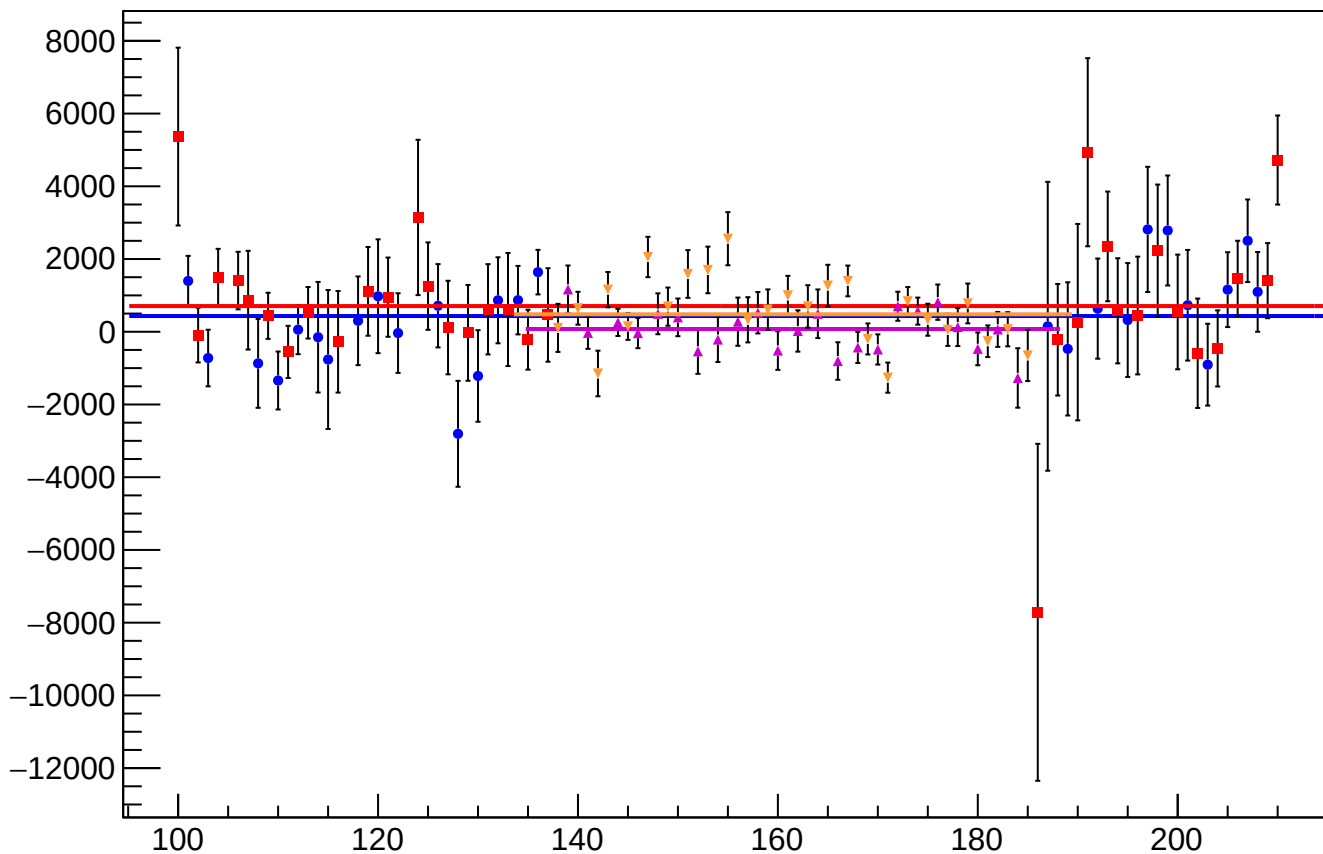
Left In: 48.381+/-0.008 χ^2/NDF : 695381.8/22

+ sign 52.685+/-0.006 χ^2/NDF : 2895829.5/51

All: 53.160+/-0.005 χ^2/NDF : 6409606.3/107

- sign 53.638+/-0.006 χ^2/NDF : 3502899.9/55

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 432.478 $\pm$ 208.373 χ^2 /NDF: 32.6/26

Left Out: 480.215 $\pm$ 100.526 χ^2 /NDF:69.2/24

Right Out: 706.747 $\pm$ 196.061 χ^2 /NDF: 35.9/32

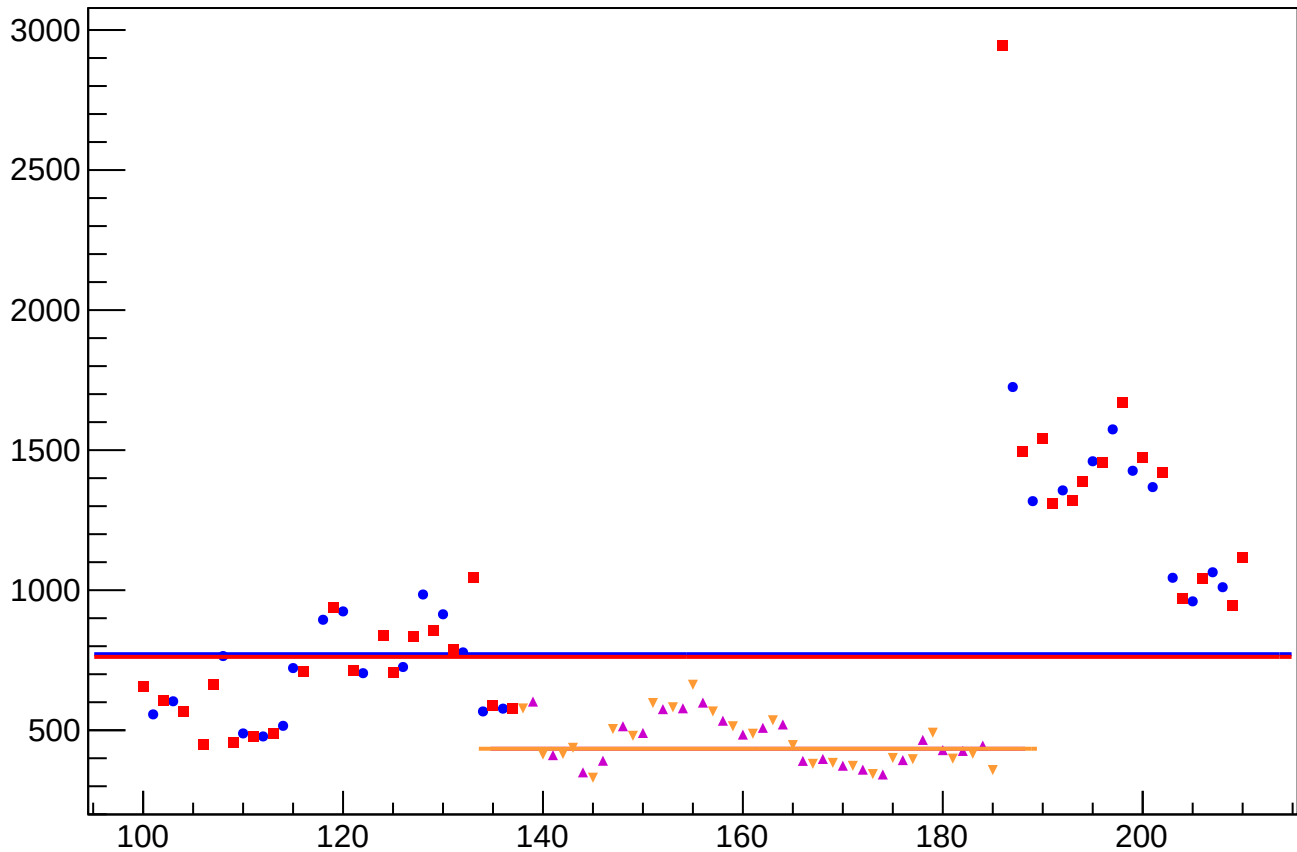
Left In: 75.662 $\pm$ 103.128 χ^2 /NDF:24.5/22

+ sign 471.202 $\pm$ 90.540 χ^2 /NDF: 101.9/51

All: 342.857 $\pm$ 64.279 χ^2 /NDF: 174.4/107

- sign 212.428 $\pm$ 91.272 χ^2 /NDF: 68.5/55

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 771.490 $\pm$ 0.147 χ^2 /NDF: 3960451.2/26

Left Out: 433.945 $\pm$ 0.071 χ^2 /NDF:1243704.6/24

Right Out: 761.908 $\pm$ 0.139 χ^2 /NDF: 5804523.7/32

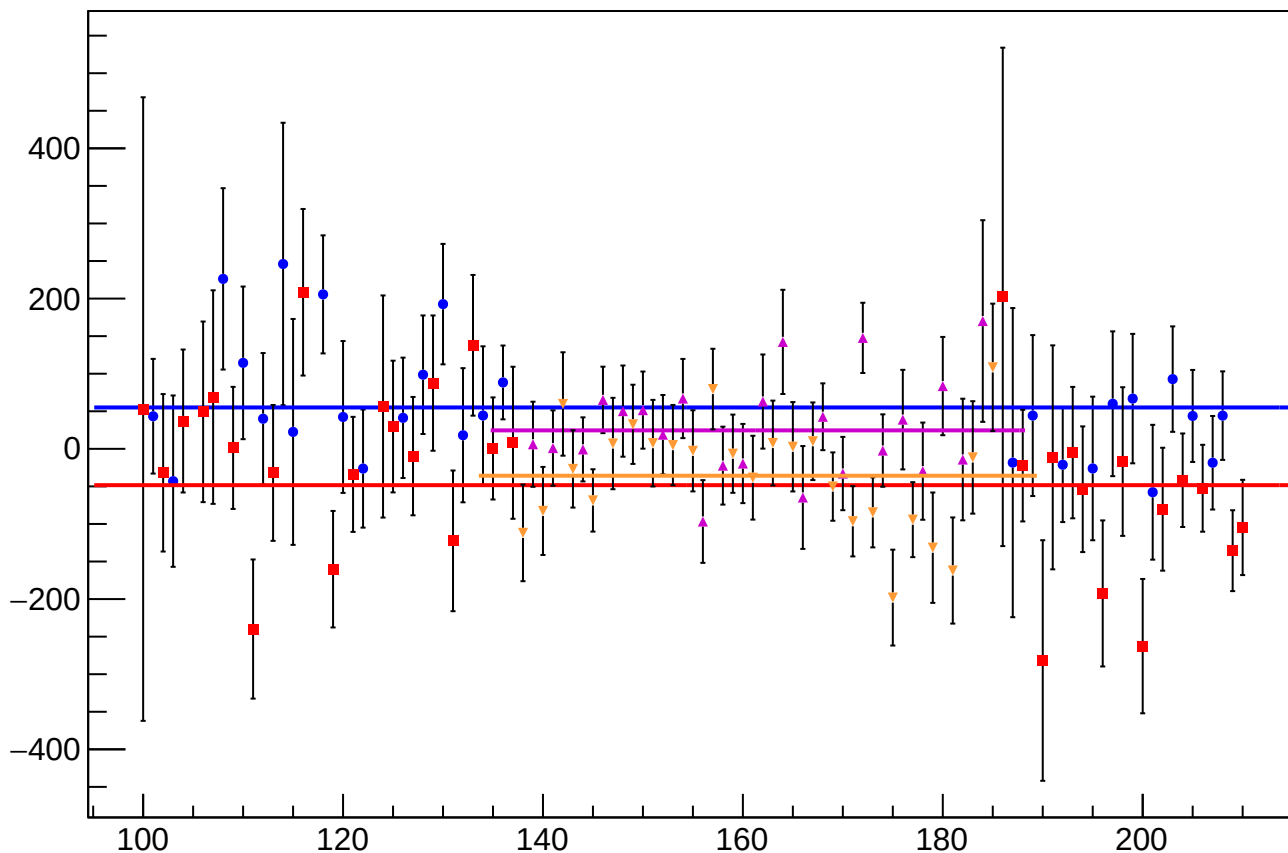
Left In: 433.722 $\pm$ 0.073 χ^2 /NDF:1094788.8/22

+ sign 497.673 $\pm$ 0.064 χ^2 /NDF: 9461522.1/51

All: 501.230 $\pm$ 0.045 χ^2 /NDF: 20756470.9/10

- sign 504.845 $\pm$ 0.065 χ^2 /NDF: 11288725.6/55

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 55.078 ± 15.927 χ^2/NDF : 18.1/26

Left Out: -35.792 ± 11.119 χ^2/NDF : 33.7/24

Right Out: -48.367 ± 15.217 χ^2/NDF : 38.4/32

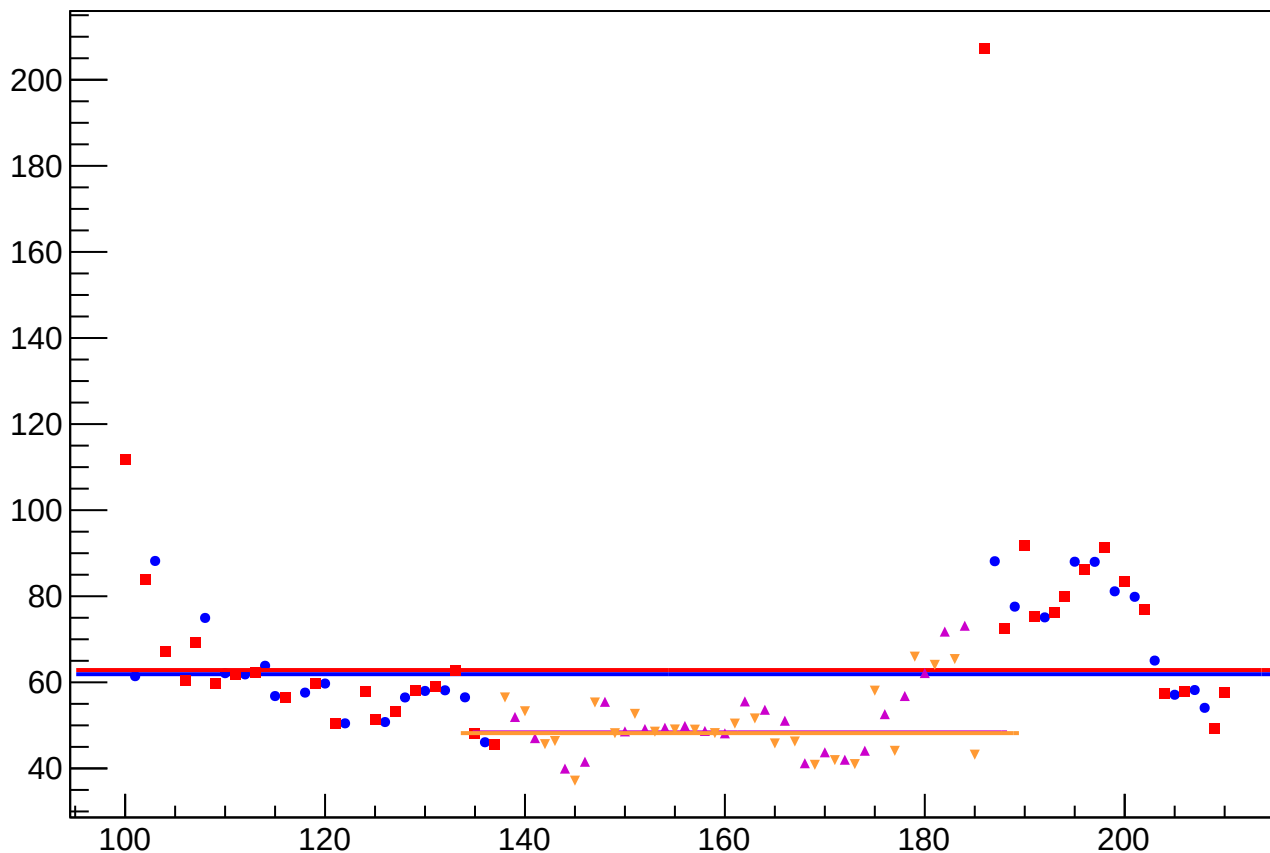
Left In: 24.573 ± 11.471 χ^2/NDF : 25.7/22

+ sign -6.014 ± 9.117 χ^2/NDF : 73.7/51

All: -3.945 ± 6.462 χ^2/NDF : 152.6/107

- sign -1.856 ± 9.160 χ^2/NDF : 78.8/55

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.891+/-0.011 χ^2/NDF : 1121744.9/26

Left Out: 48.198+/-0.008 χ^2/NDF : 780285.2/24

Right Out: 62.853+/-0.011 χ^2/NDF : 1649387.1/32

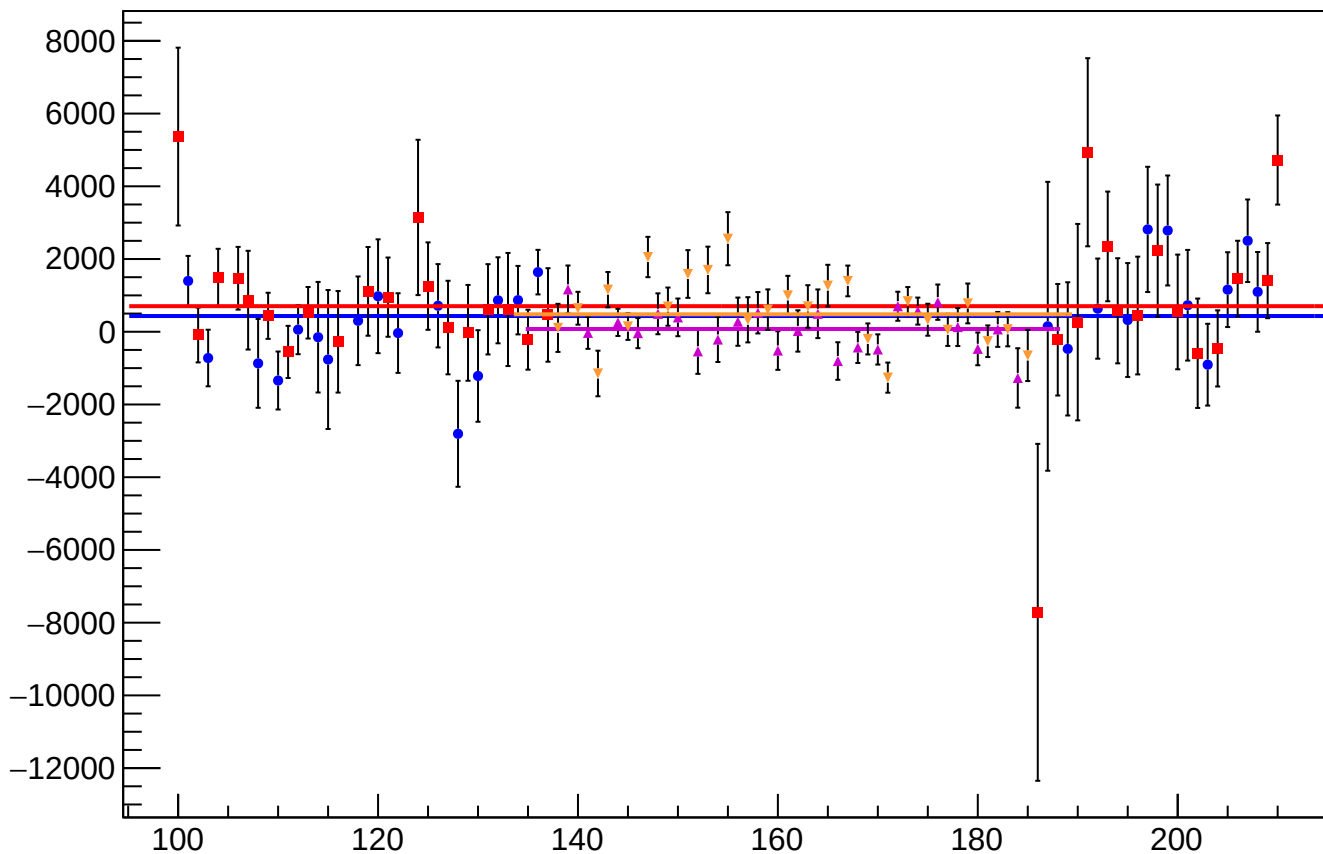
Left In: 48.381+/-0.008 χ^2/NDF : 695381.8/22

+ sign 52.685+/-0.006 χ^2/NDF : 2895833.5/51

All: 53.153+/-0.005 χ^2/NDF : 6404735.6/107

- sign 53.625+/-0.006 χ^2/NDF : 3498337.1/55

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 432.509 $\pm$ 208.374 χ^2 /NDF: 32.6/26

Left Out: 480.210 $\pm$ 100.526 χ^2 /NDF:69.2/24

Right Out: 703.417 $\pm$ 197.030 χ^2 /NDF: 35.9/32

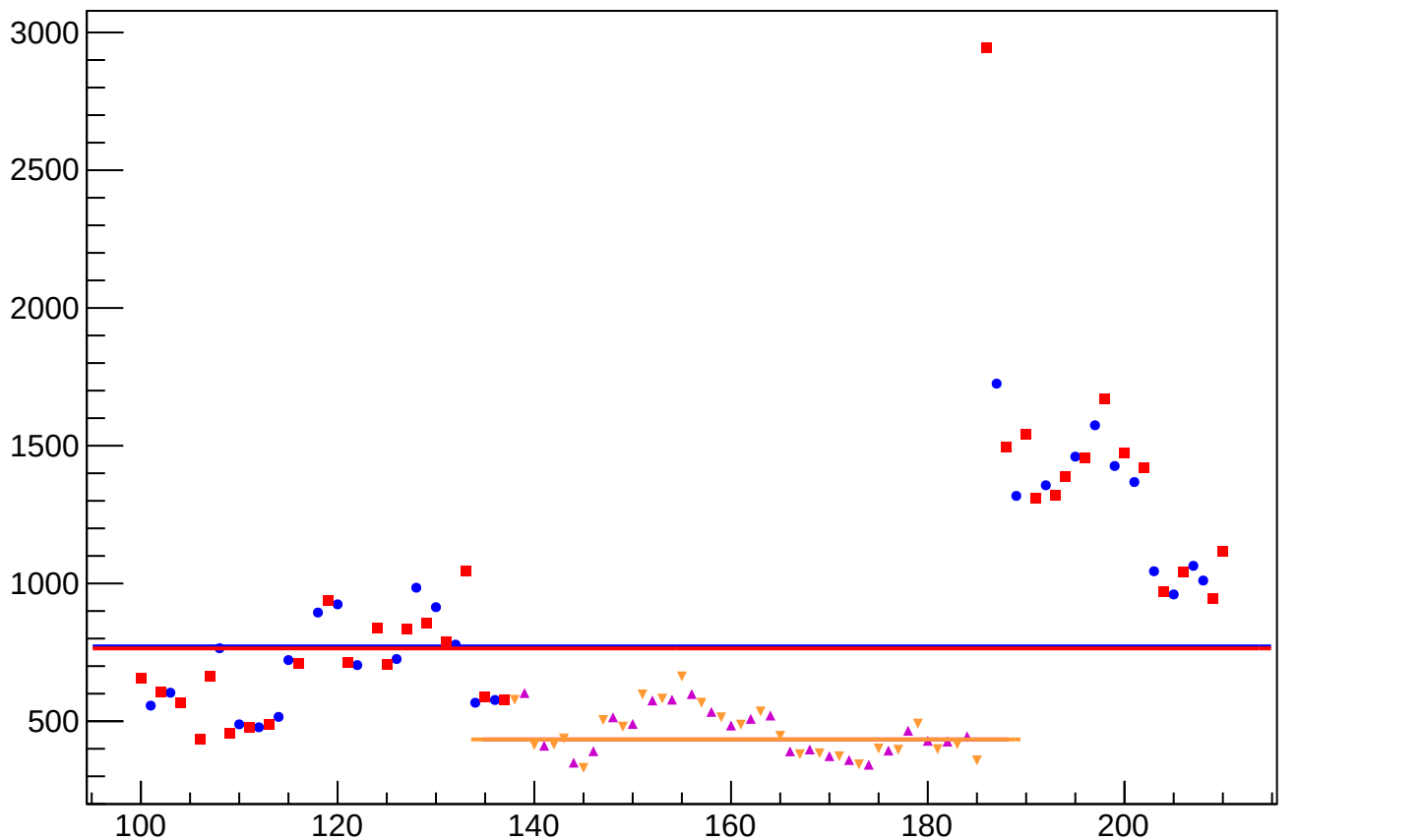
Left In: 75.665 $\pm$ 103.128 χ^2 /NDF:24.5/22

+ sign 471.205 $\pm$ 90.540 χ^2 /NDF: 101.9/51

All: 342.121 $\pm$ 64.313 χ^2 /NDF: 174.3/107

- sign 210.662 $\pm$ 91.369 χ^2 /NDF: 68.3/55

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 771.495 $\pm$ 0.147 χ^2 /NDF: 3960386.4/26

Left Out: 433.945 $\pm$ 0.071 χ^2 /NDF: 1243702.1/24

Right Out: 764.342 $\pm$ 0.139 χ^2 /NDF: 5776516.3/32

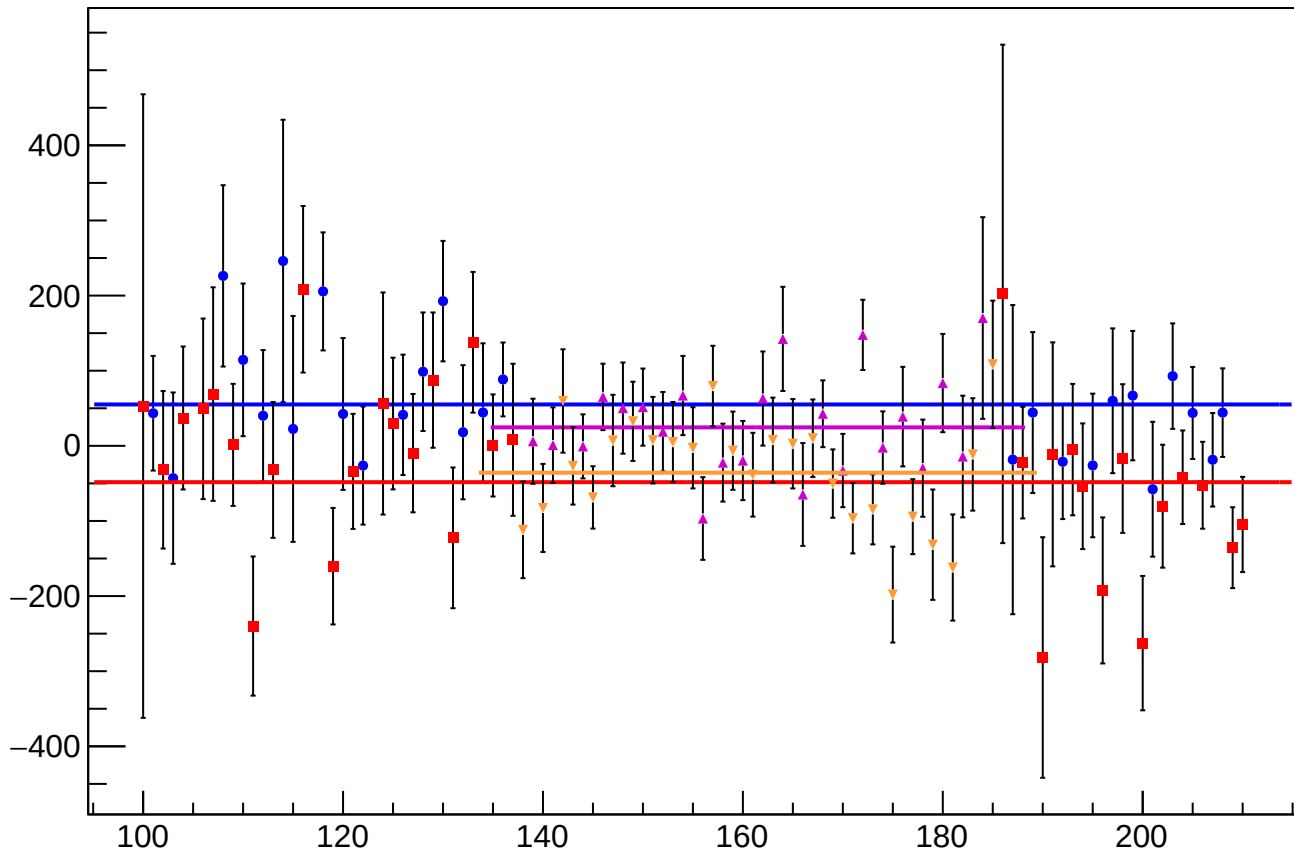
Left In: 433.722 $\pm$ 0.073 χ^2 /NDF: 1094788.4/22

+ sign 497.674 $\pm$ 0.064 χ^2 /NDF: 9461546.0/51

All: 501.215 $\pm$ 0.045 χ^2 /NDF: 20759491.6/10

- sign 504.821 $\pm$ 0.065 χ^2 /NDF: 11291770.9/55

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 55.078 ± 15.927 χ^2/NDF : 18.1/26

Left Out: -35.792 ± 11.119 χ^2/NDF : 33.7/24

Right Out: -48.367 ± 15.217 χ^2/NDF : 38.4/32

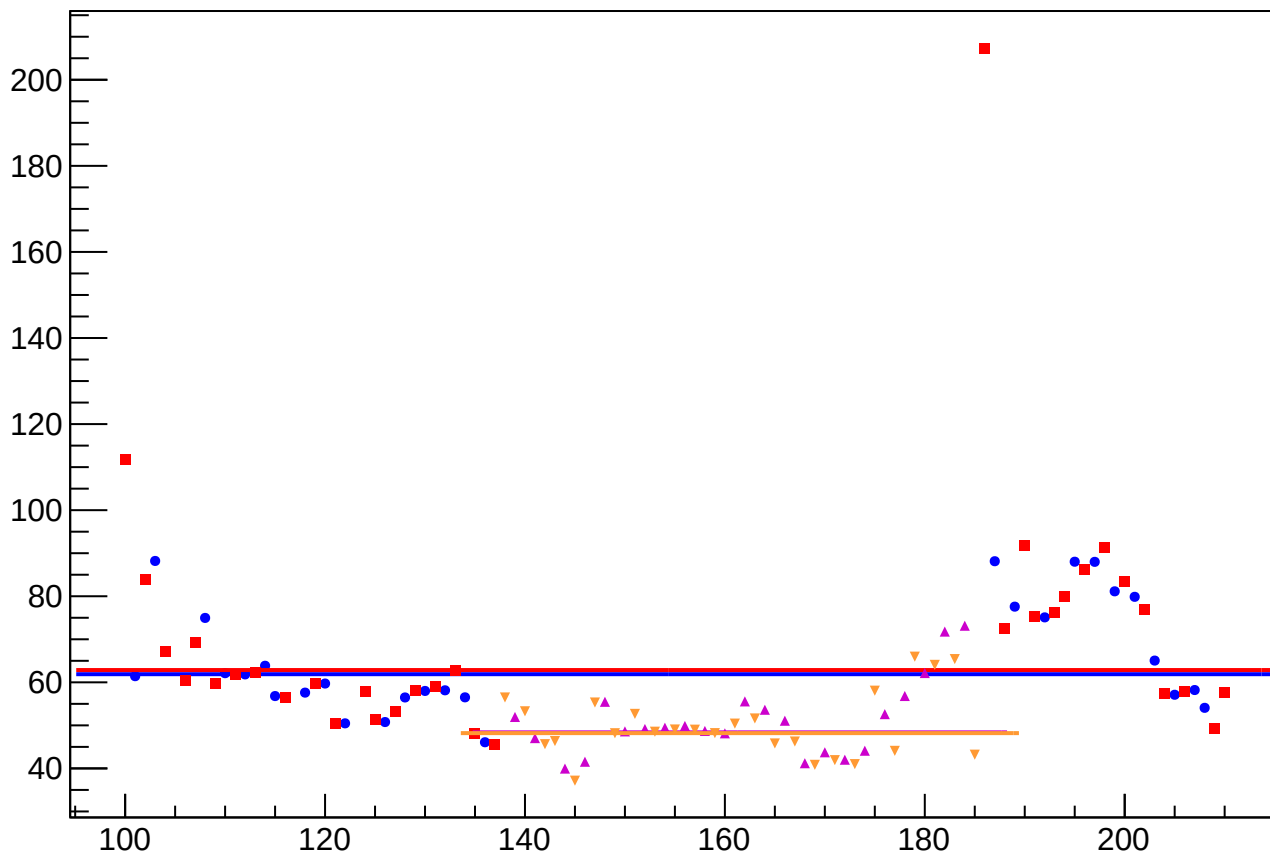
Left In: 24.573 ± 11.471 χ^2/NDF : 25.7/22

+ sign -6.014 ± 9.117 χ^2/NDF : 73.7/51

All: -3.945 ± 6.462 χ^2/NDF : 152.6/107

- sign -1.856 ± 9.160 χ^2/NDF : 78.8/55

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.891 ± 0.011 χ^2/NDF : 1121744.9/26

Left Out: 48.198 ± 0.008 χ^2/NDF : 780285.2/24

Right Out: 62.853 ± 0.011 χ^2/NDF : 1649387.1/32

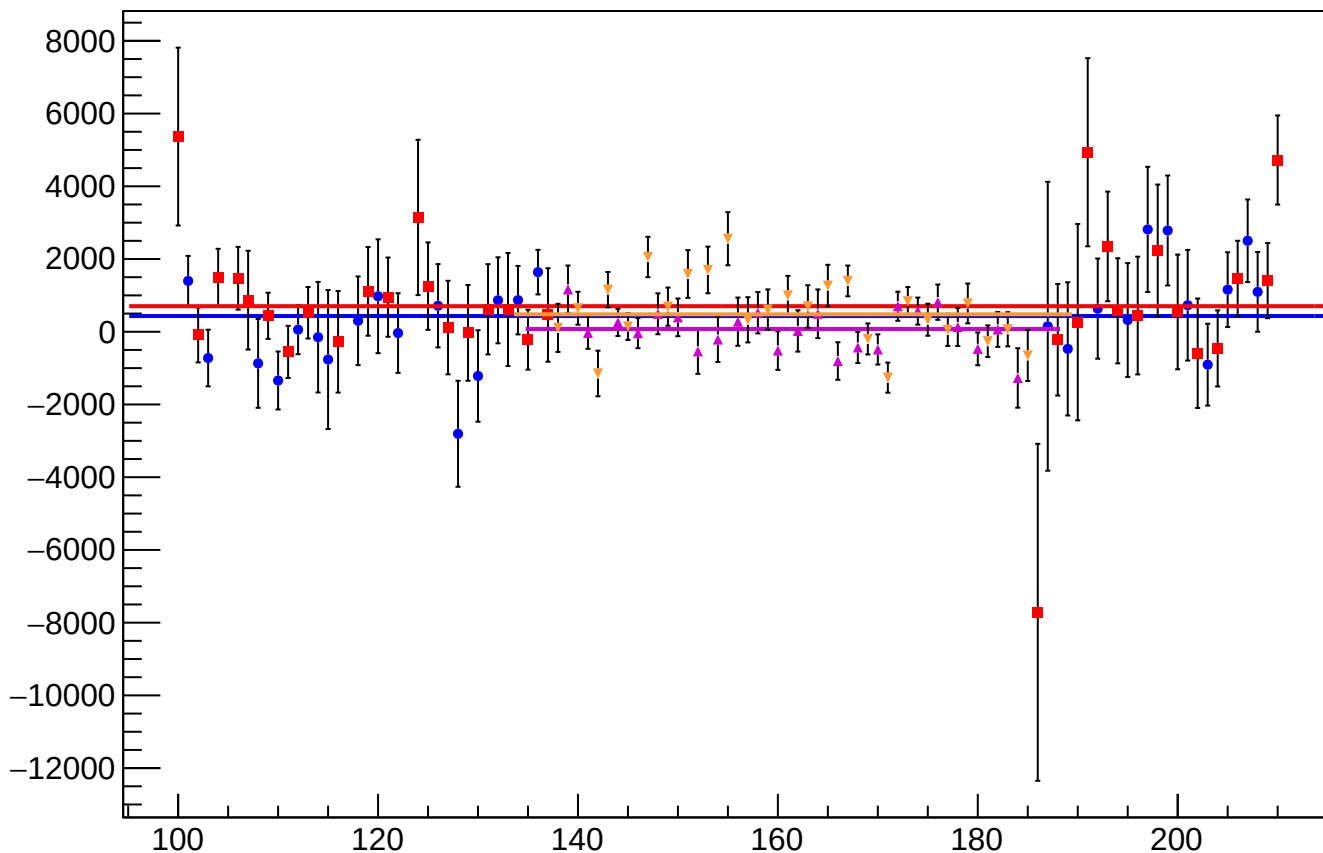
Left In: 48.381 ± 0.008 χ^2/NDF : 695381.8/22

+ sign 52.685 ± 0.006 χ^2/NDF : 2895833.5/51

All: 53.153 ± 0.005 χ^2/NDF : 6404735.6/107

- sign 53.625 ± 0.006 χ^2/NDF : 3498337.1/55

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug



Right In: 432.509 $\pm$ 208.374 χ^2 /NDF: 32.6/26

Left Out: 480.210 $\pm$ 100.526 χ^2 /NDF: 69.2/24

Right Out: 703.417 $\pm$ 197.030 χ^2 /NDF: 35.9/32

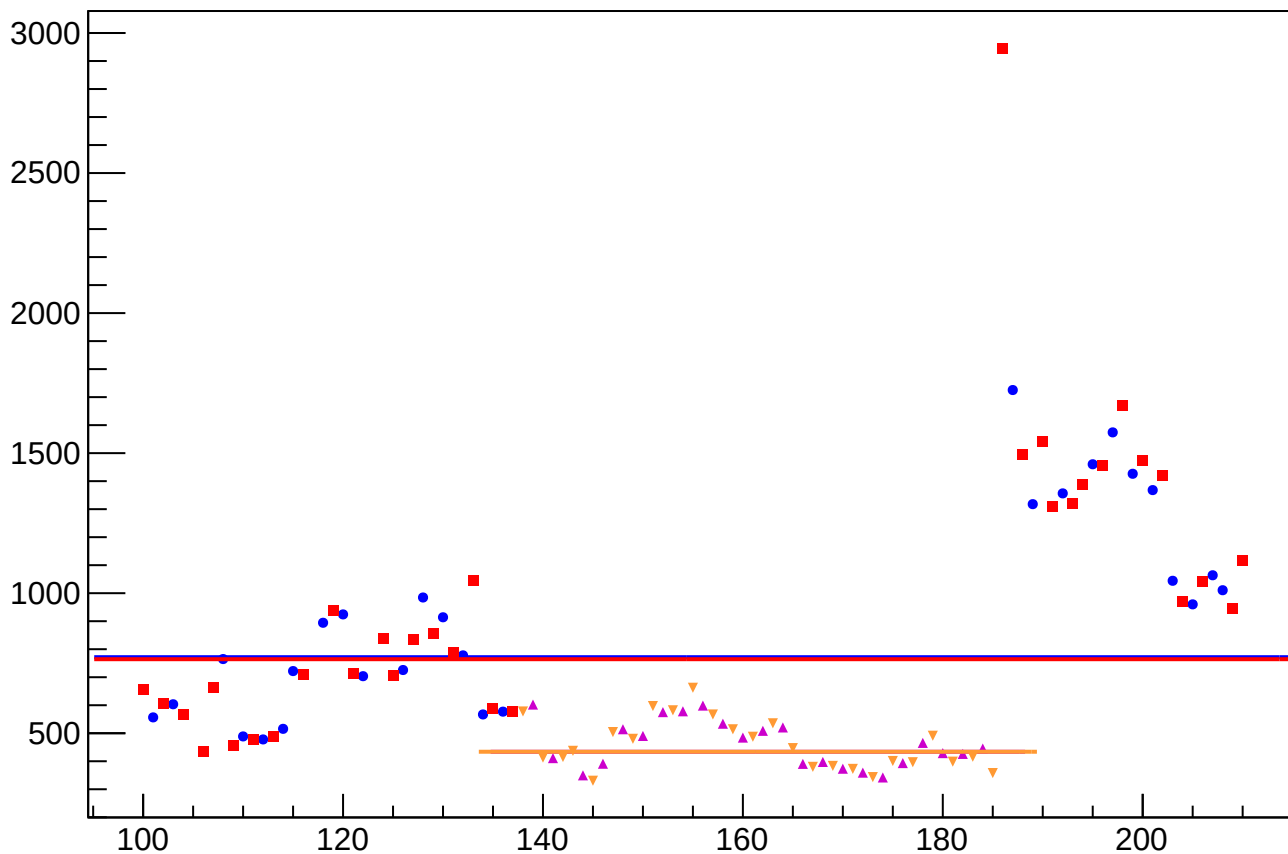
Left In: 75.665 $\pm$ 103.128 χ^2 /NDF: 24.5/22

+ sign 471.205 $\pm$ 90.540 χ^2 /NDF: 101.9/51

All: 342.121 $\pm$ 64.313 χ^2 /NDF: 174.3/107

- sign 210.662 $\pm$ 91.369 χ^2 /NDF: 68.3/55

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 771.495 $\pm$ 0.147 χ^2 /NDF: 3960386.4/26

Left Out: 433.945 $\pm$ 0.071 χ^2 /NDF:1243702.1/24

Right Out: 764.342 $\pm$ 0.139 χ^2 /NDF: 5776516.3/32

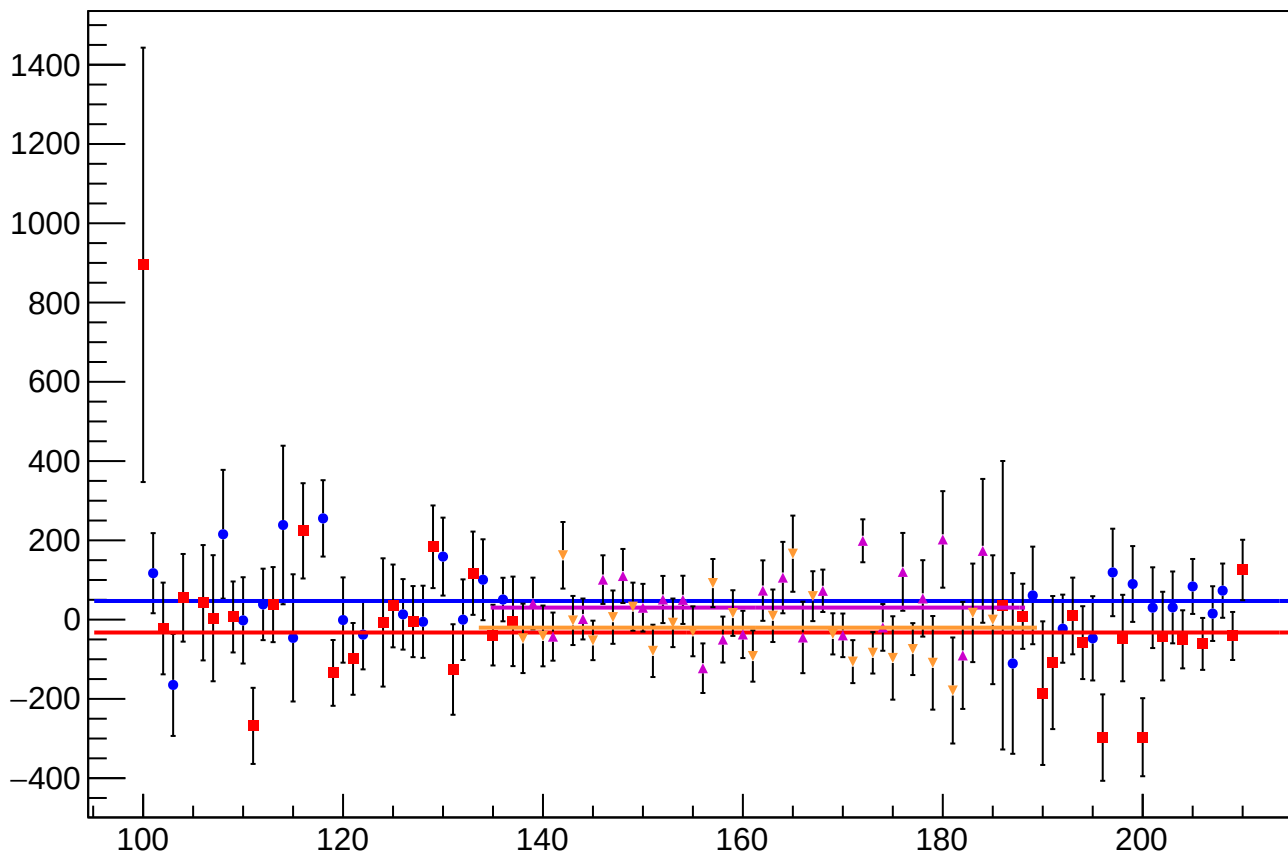
Left In: 433.722 $\pm$ 0.073 χ^2 /NDF:1094788.4/22

+ sign 497.674 $\pm$ 0.064 χ^2 /NDF: 9461546.0/51

All: 501.215 $\pm$ 0.045 χ^2 /NDF: 20759491.6/10

- sign 504.821 $\pm$ 0.065 χ^2 /NDF: 11291770.9/55

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 47.017 ± 18.205 χ^2/NDF : 17.1/26

Left Out: -20.270 ± 13.636 χ^2/NDF : 25.1/24

Right Out: -32.510 ± 17.272 χ^2/NDF : 43.9/32

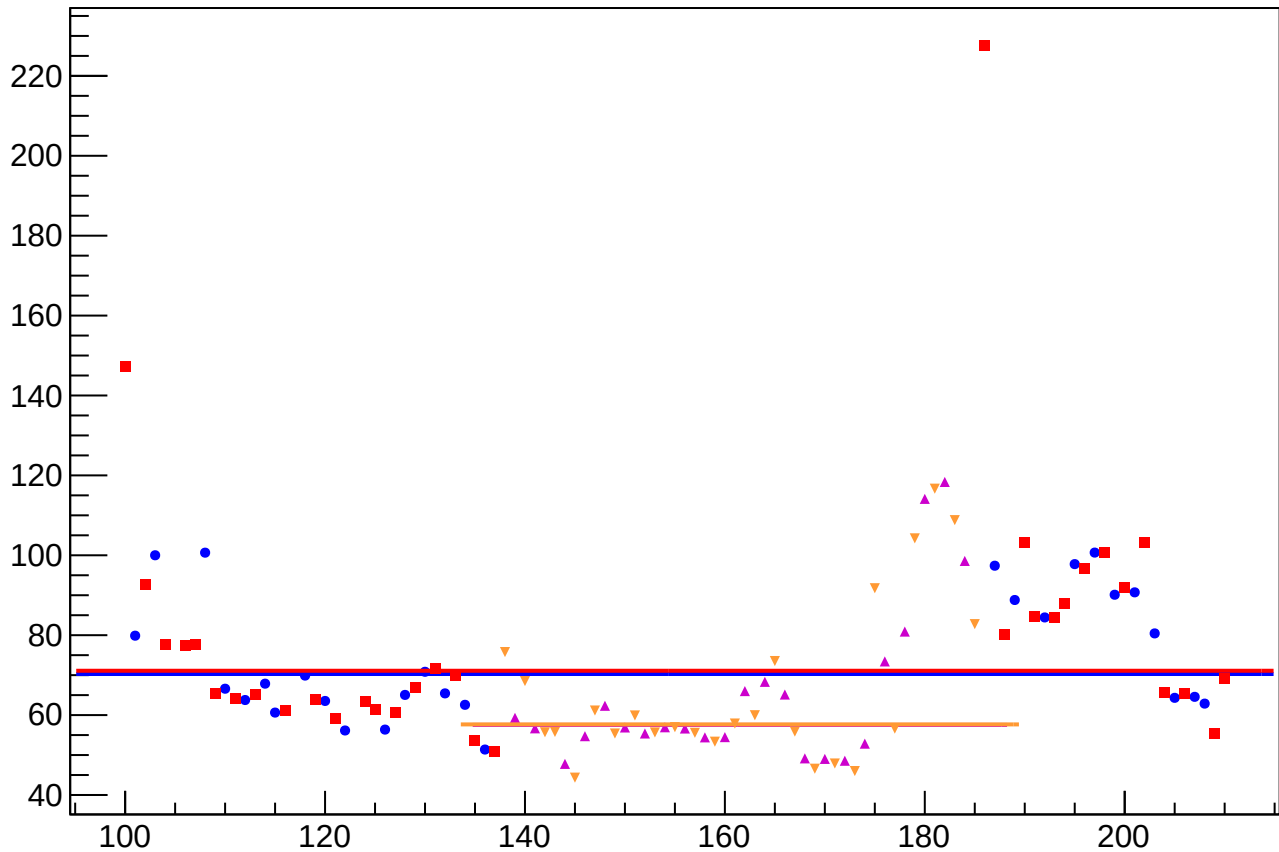
Left In: 30.318 ± 13.979 χ^2/NDF : 32.6/22

+ sign 3.913 ± 10.914 χ^2/NDF : 51.0/51

All: 4.686 ± 7.700 χ^2/NDF : 135.5/107

- sign 5.453 ± 10.866 χ^2/NDF : 84.5/55

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 70.284 $\pm$ 0.013 χ^2 /NDF: 1240841.0/26

Left Out: 57.668 $\pm$ 0.010 χ^2 /NDF: 1909743.5/24

Right Out: 71.098 $\pm$ 0.012 χ^2 /NDF: 1679360.7/32

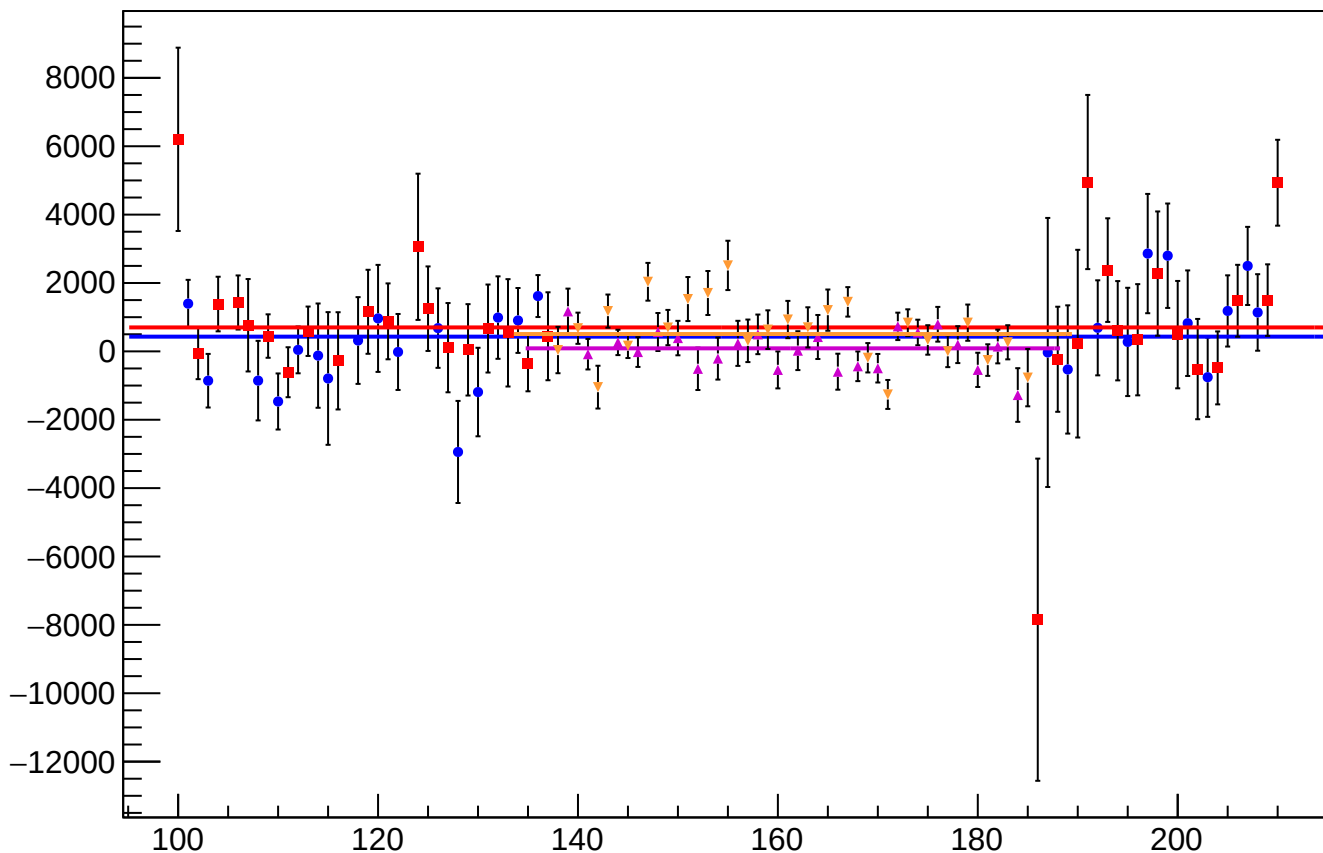
Left In: 57.539 $\pm$ 0.010 χ^2 /NDF: 1443279.4/22

+ sign 62.202 $\pm$ 0.008 χ^2 /NDF: 3765782.2/51

All: 62.555 $\pm$ 0.005 χ^2 /NDF: 7637239.5/107

- sign 62.905 $\pm$ 0.008 χ^2 /NDF: 3867287.6/55

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 430.529+/-210.842 χ^2/NDF : 33.2/26

Left Out: 507.171+/-101.776 χ^2/NDF : 65.8/24

Right Out: 700.653+/-198.025 χ^2/NDF : 37.3/32

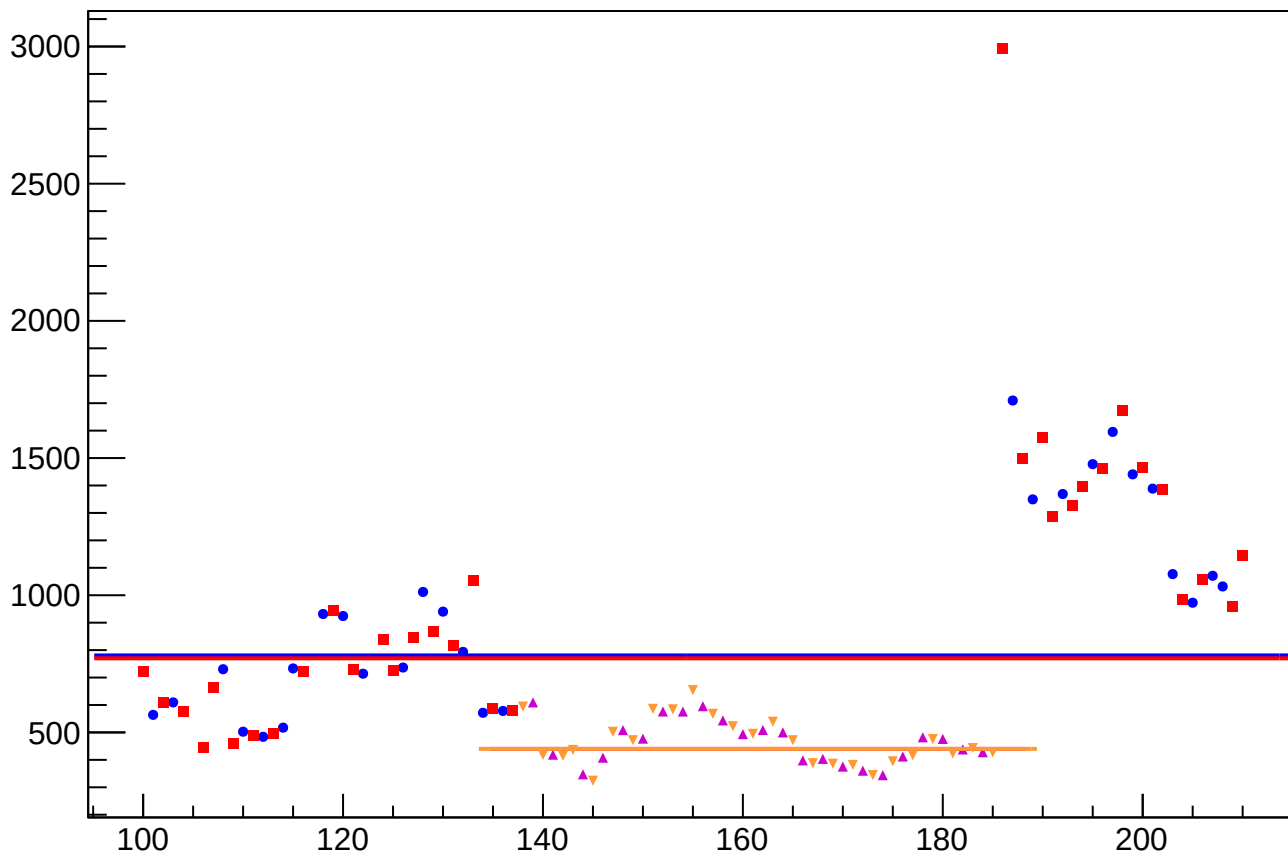
Left In: 88.471+/-104.542 χ^2/NDF : 23.3/22

+ sign 492.687+/-91.656 χ^2/NDF : 99.2/51

All: 358.460+/-65.089 χ^2/NDF : 171.6/107

- sign 221.900+/-92.449 χ^2/NDF : 68.1/55

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 780.591+/-0.149 χ^2/NDF : 3997126.1/26

Left Out: 440.075+/-0.072 χ^2/NDF : 1196985.5/24

Right Out: 770.089+/-0.140 χ^2/NDF : 5768669.9/32

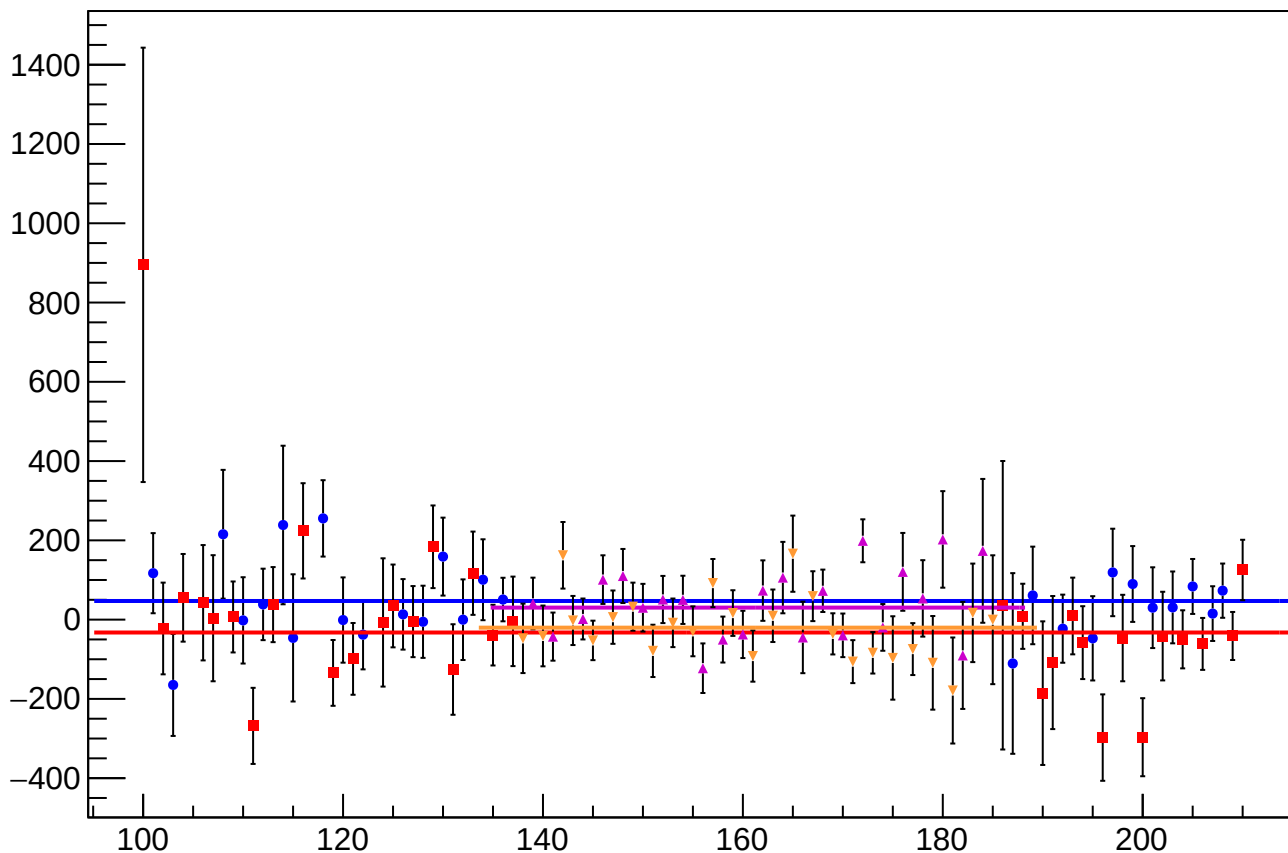
Left In: 439.877+/-0.074 χ^2/NDF : 1061910.1/22

+ sign 504.425+/-0.065 χ^2/NDF : 9424895.6/51

All: 508.105+/-0.046 χ^2/NDF : 20611144.6/10

- sign 511.849+/-0.065 χ^2/NDF : 11179745.5/55

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 47.015 ± 18.205 $\chi^2/\text{NDF}: 17.1/26$

Left Out: -20.271 ± 13.636 $\chi^2/\text{NDF}: 25.1/24$

Right Out: -32.511 ± 17.272 $\chi^2/\text{NDF}: 43.9/32$

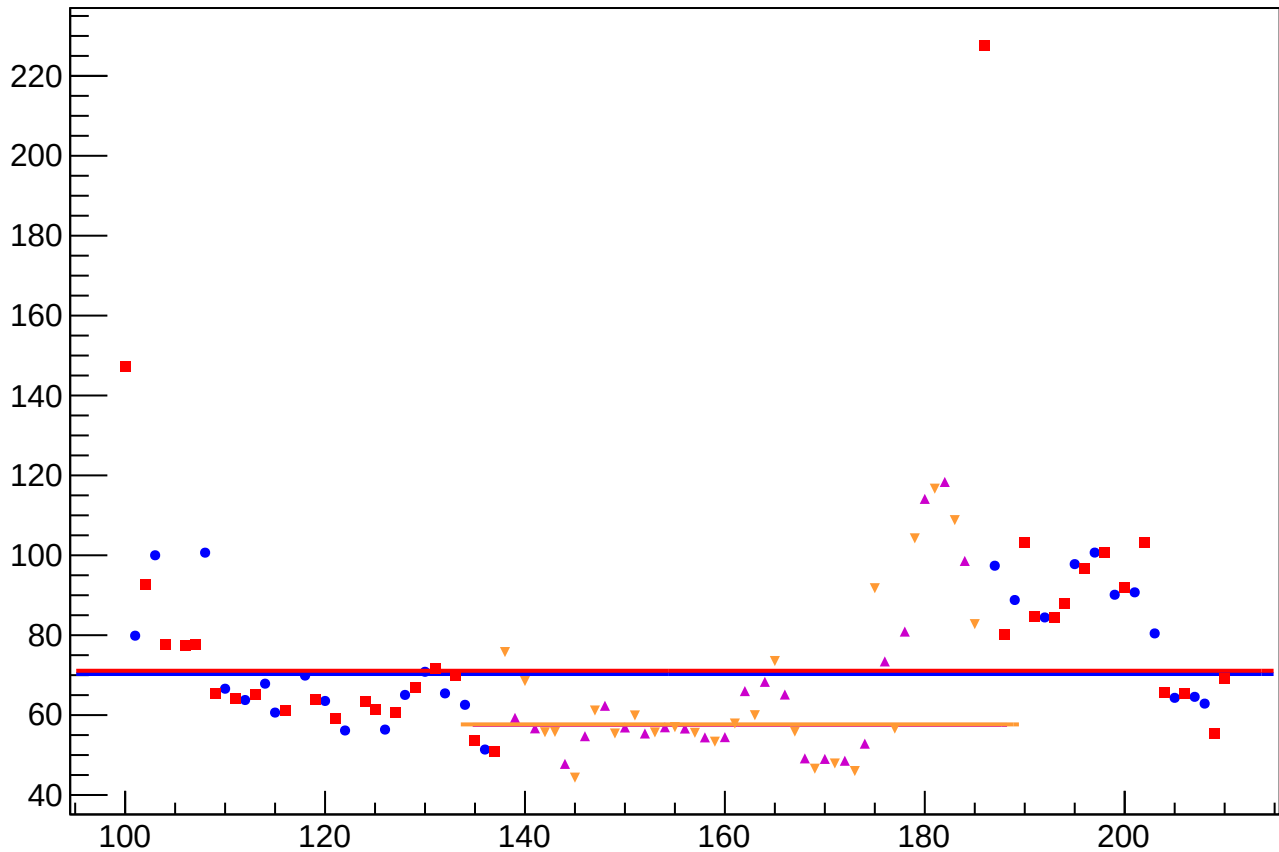
Left In: 30.318 ± 13.979 $\chi^2/\text{NDF}: 32.6/22$

+ sign 3.912 ± 10.914 $\chi^2/\text{NDF}: 51.0/51$

All: 4.686 ± 7.700 $\chi^2/\text{NDF}: 135.5/107$

- sign 5.453 ± 10.866 $\chi^2/\text{NDF}: 84.5/55$

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 70.284 $\pm$ 0.013 χ^2 /NDF: 1240823.5/26

Left Out: 57.668 $\pm$ 0.010 χ^2 /NDF: 1909739.8/24

Right Out: 71.098 $\pm$ 0.012 χ^2 /NDF: 1679366.2/32

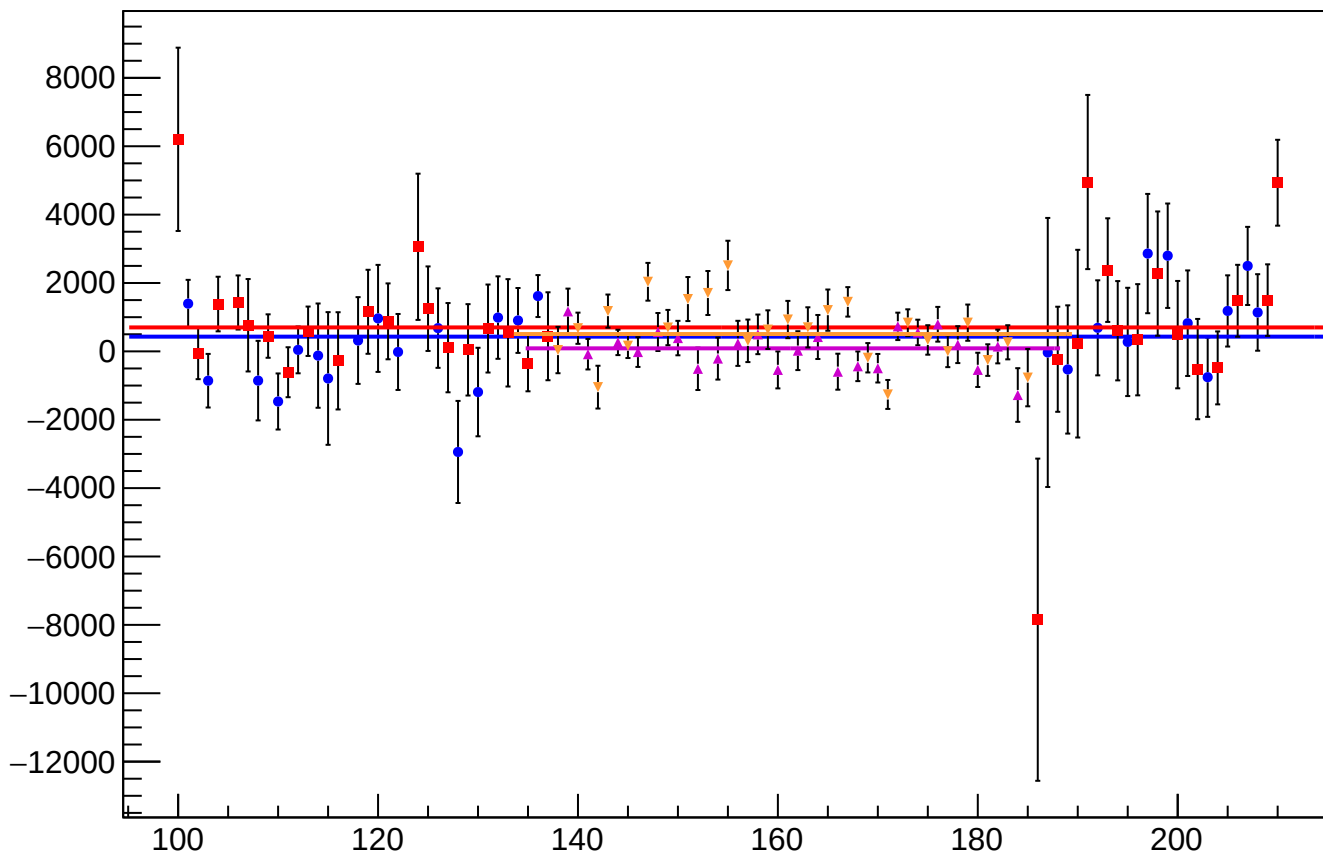
Left In: 57.539 $\pm$ 0.010 χ^2 /NDF: 1443262.3/22

+ sign 62.202 $\pm$ 0.008 χ^2 /NDF: 3765746.0/51

All: 62.555 $\pm$ 0.005 χ^2 /NDF: 7637181.6/107

- sign 62.905 $\pm$ 0.008 χ^2 /NDF: 3867266.6/55

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug



Right In: 430.527 ± 210.842 χ^2/NDF : 33.2/26

Left Out: 507.170 ± 101.776 χ^2/NDF : 65.8/24

Right Out: 700.652 ± 198.025 χ^2/NDF : 37.3/32

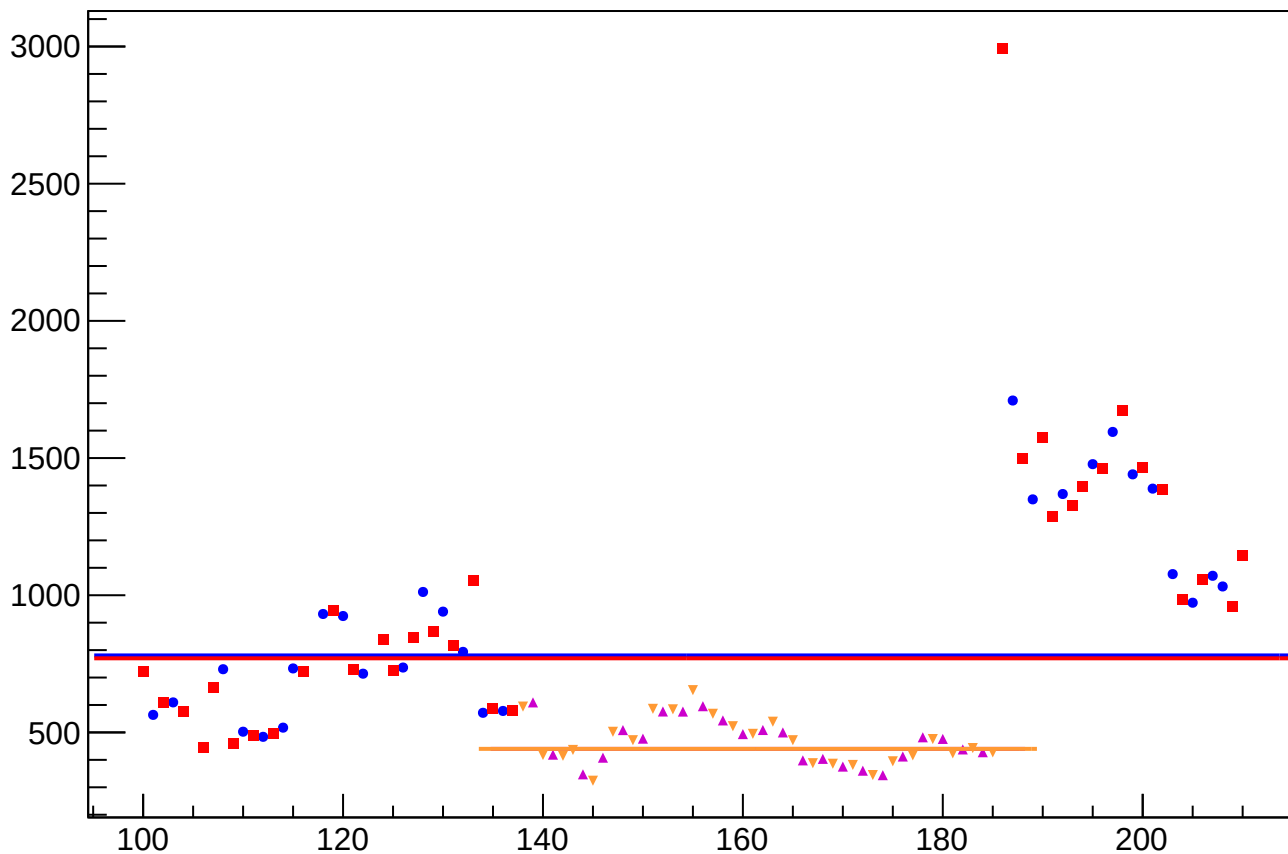
Left In: 88.471 ± 104.541 χ^2/NDF : 23.3/22

+ sign 492.686 ± 91.656 χ^2/NDF : 99.2/51

All: 358.459 ± 65.089 χ^2/NDF : 171.6/107

- sign 221.899 ± 92.449 χ^2/NDF : 68.1/55

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



Right In: 780.590 $\pm$ 0.149 χ^2 /NDF: 3997131.5/26

Left Out: 440.074 $\pm$ 0.072 χ^2 /NDF: 1196993.4/24

Right Out: 770.088 $\pm$ 0.140 χ^2 /NDF: 5768675.1/32

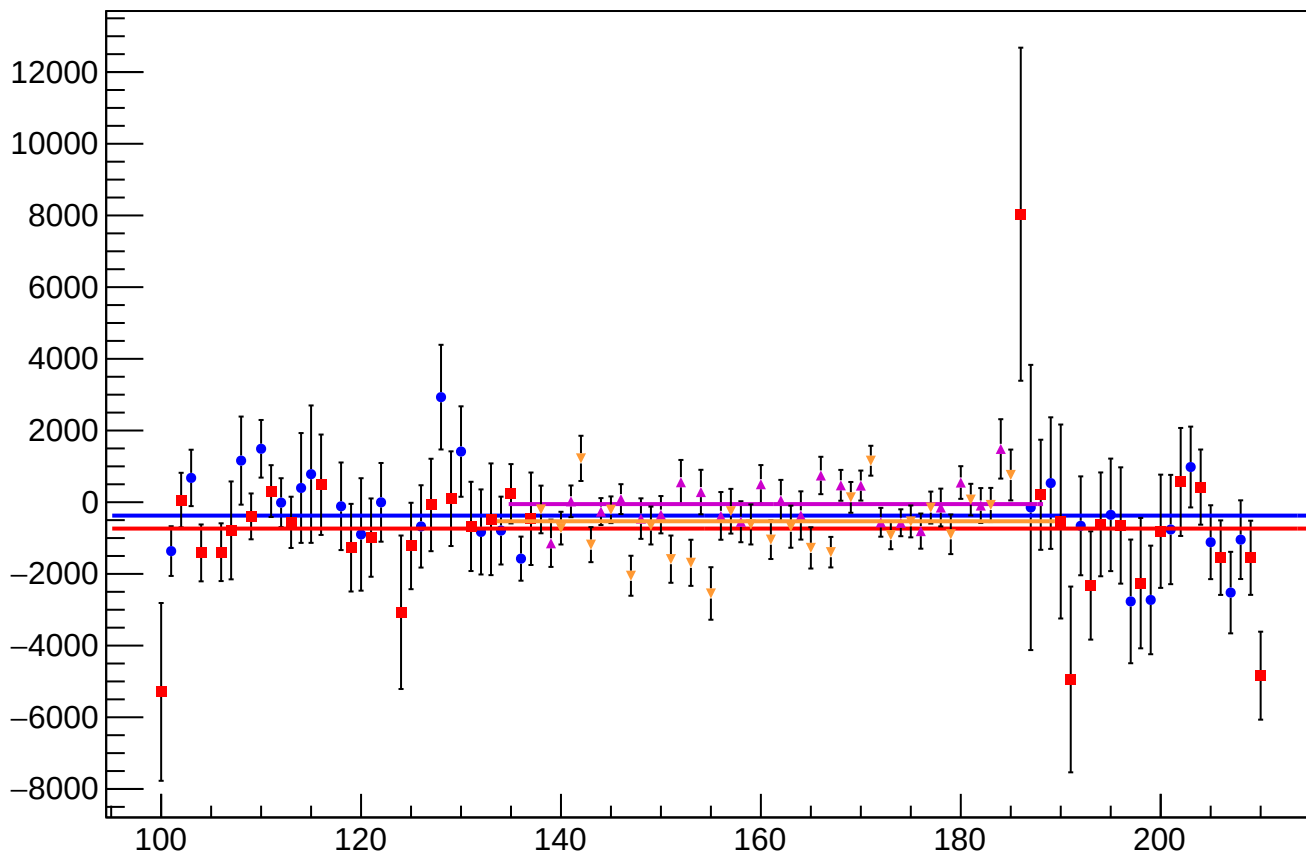
Left In: 439.876 $\pm$ 0.074 χ^2 /NDF: 1061916.6/22

+ sign 504.424 $\pm$ 0.065 χ^2 /NDF: 9424925.2/51

All: 508.104 $\pm$ 0.046 χ^2 /NDF: 20611206.9/10

- sign 511.847 $\pm$ 0.065 χ^2 /NDF: 11179778.5/55

asym_sam_15_48_dd_mean vs Slug



Right In: -373.683 ± 209.348 χ^2/NDF : 33.9/26

Left Out: -531.569 ± 101.245 χ^2/NDF : 65.6/24

Right Out: -735.629 ± 197.199 χ^2/NDF : 35.5/32

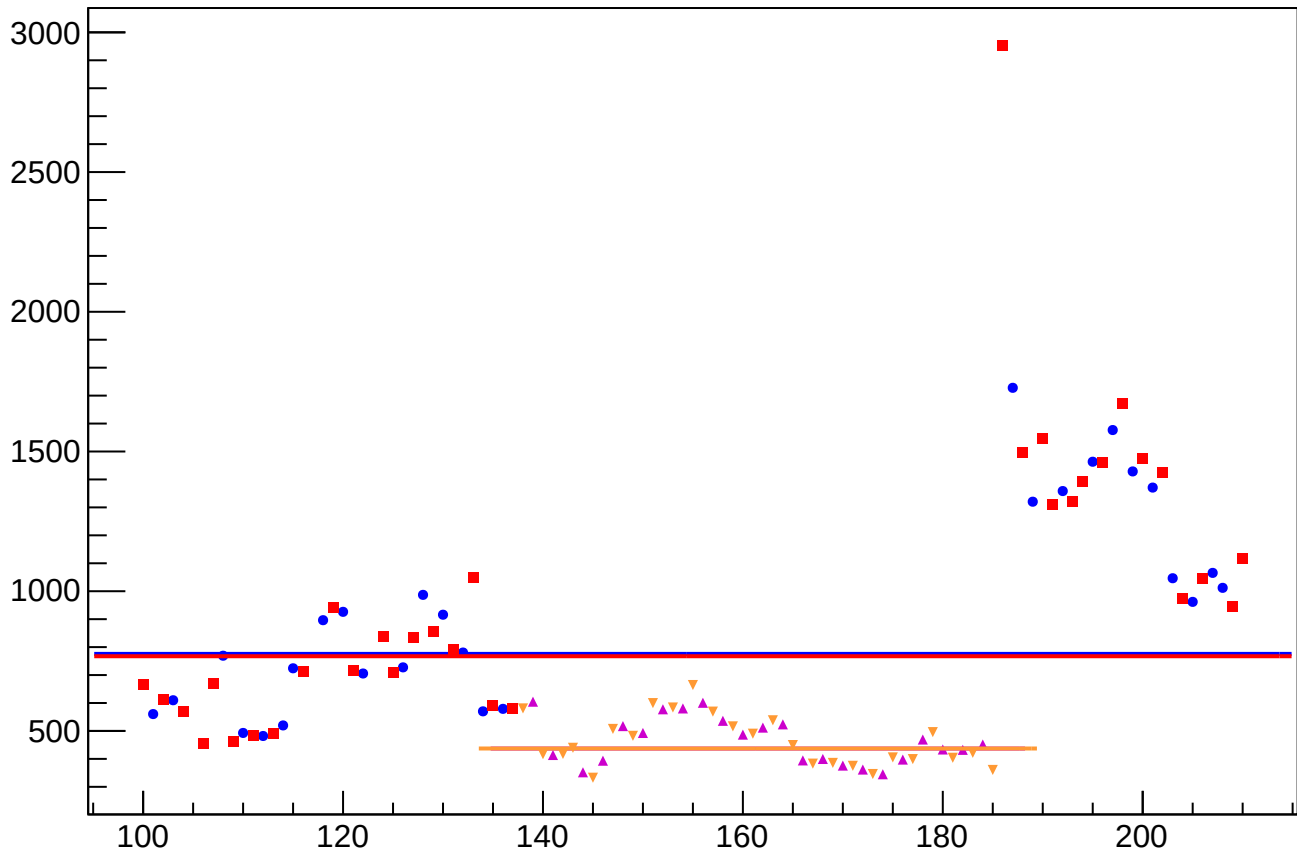
Left In: -52.554 ± 103.870 χ^2/NDF : 24.1/22

+ sign -501.641 ± 91.146 χ^2/NDF : 99.9/51

All: -352.515 ± 64.715 χ^2/NDF : 174.3/107

- sign -200.907 ± 91.901 χ^2/NDF : 69.0/55

asym_sam_15_48_dd_rms vs Slug



Right In: 775.739 $\pm$ 0.148 χ^2 /NDF: 3916666.2/26

Left Out: 437.157 $\pm$ 0.072 χ^2 /NDF:1227453.3/24

Right Out: 767.316 $\pm$ 0.139 χ^2 /NDF: 5725874.3/32

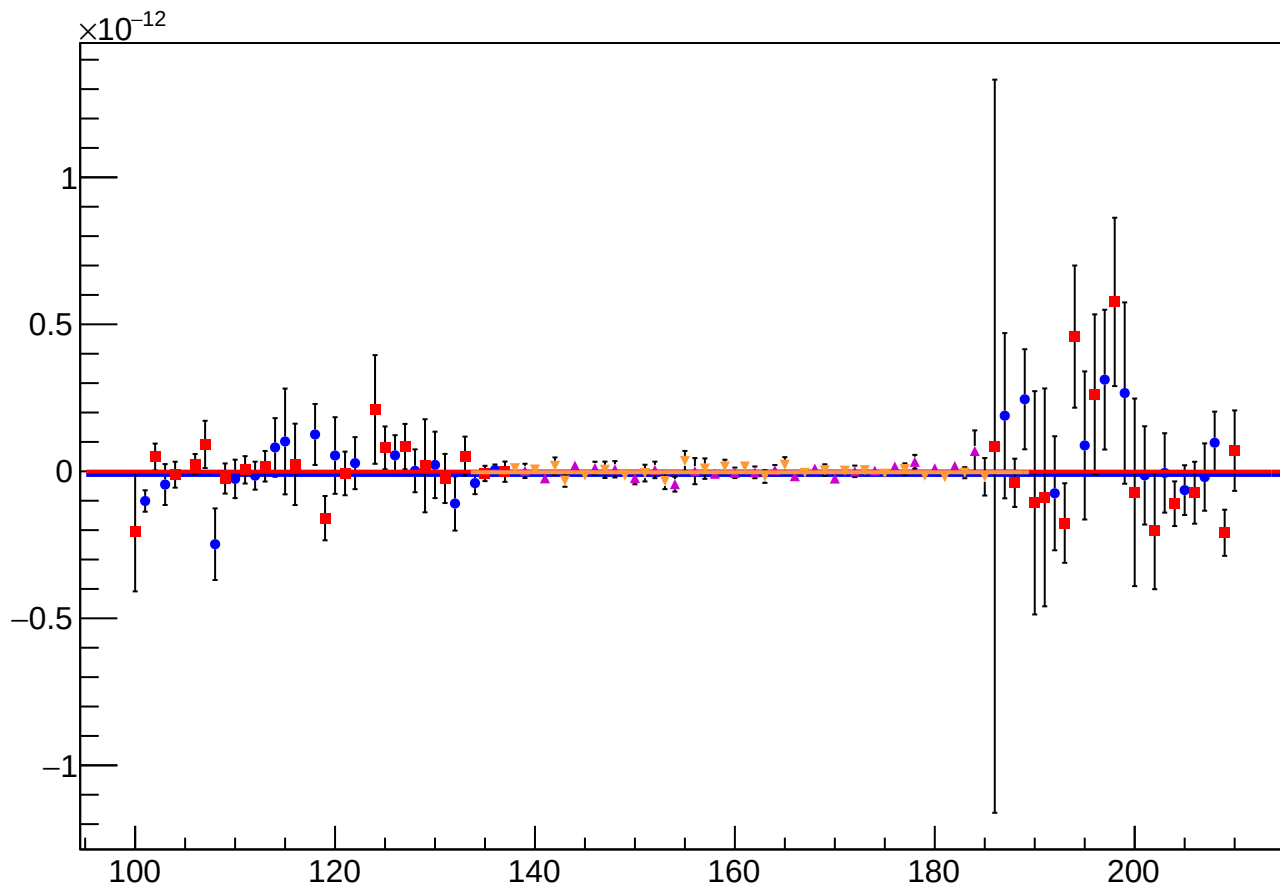
Left In: 436.937 $\pm$ 0.073 χ^2 /NDF:1080038.0/22

+ sign 501.337 $\pm$ 0.064 χ^2 /NDF: 9383919.6/51

All: 504.983 $\pm$ 0.046 χ^2 /NDF: 20590726.3/10

- sign 508.691 $\pm$ 0.065 χ^2 /NDF: 11200350.6/55

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 24.2/26

Left Out: -0.000+/-0.000 χ^2/NDF : 14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF : 35.0/32

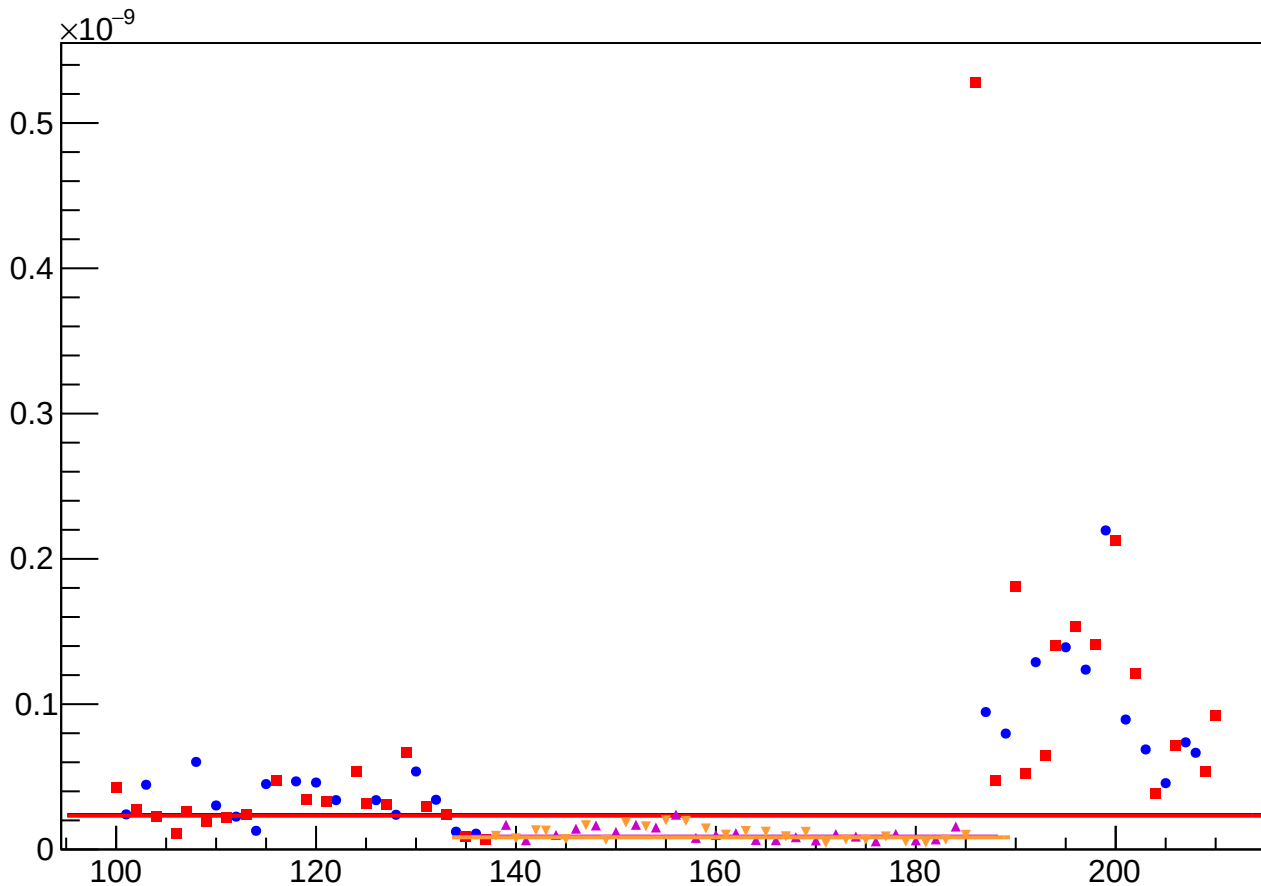
Left In: -0.000+/-0.000 χ^2/NDF : 22.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 39.0/51

All: -0.000+/-0.000 χ^2/NDF : 96.4/107

- sign -0.000+/-0.000 χ^2/NDF : 57.1/55

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5851942.2/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6579332.0/32

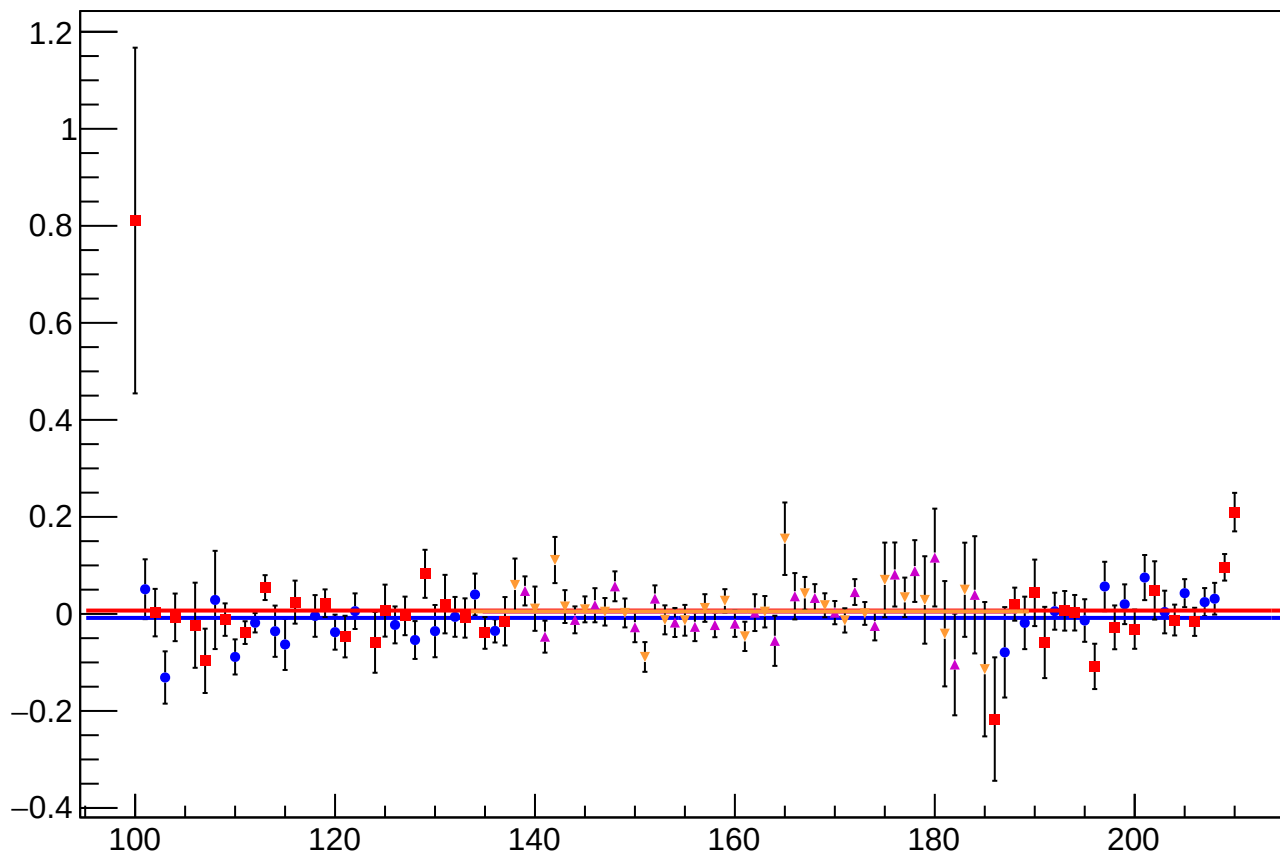
Left In: 0.000+/-0.000 χ^2/NDF : 1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 11037766.1/51

All: 0.000+/-0.000 χ^2/NDF : 22133084.7/107

- sign 0.000+/-0.000 χ^2/NDF : 11056805.4/55

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.007 χ^2/NDF : 29.8/26

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: 0.007 ± 0.007 χ^2/NDF : 73.3/32

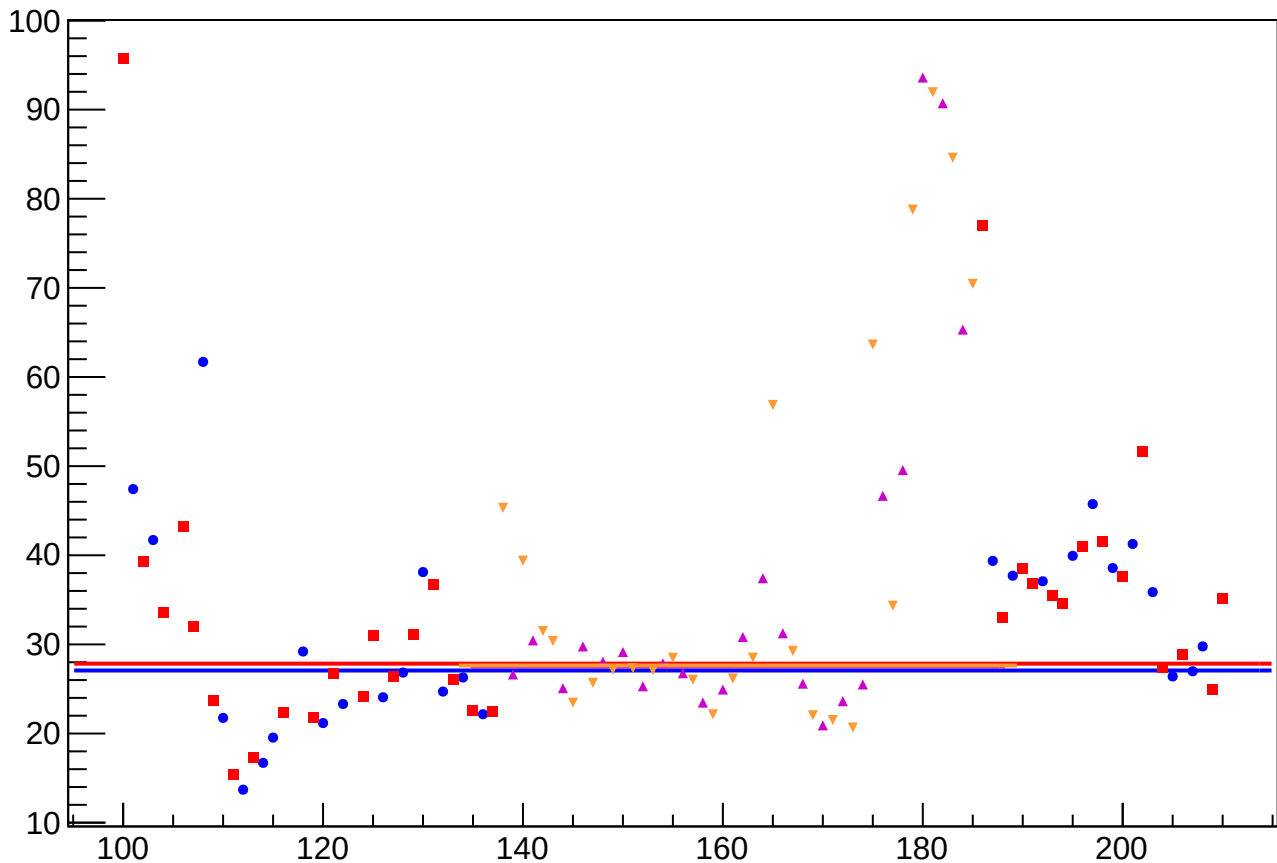
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign -0.001 ± 0.005 χ^2/NDF : 60.0/51

All: 0.002 ± 0.004 χ^2/NDF : 159.4/107

- sign 0.006 ± 0.005 χ^2/NDF : 98.4/55

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.073+/-0.005 χ^2/NDF : 3057802.5/26

Left Out: 27.635+/-0.005 χ^2/NDF : 3974084.8/24

Right Out: 27.841+/-0.005 χ^2/NDF : 2912996.8/32

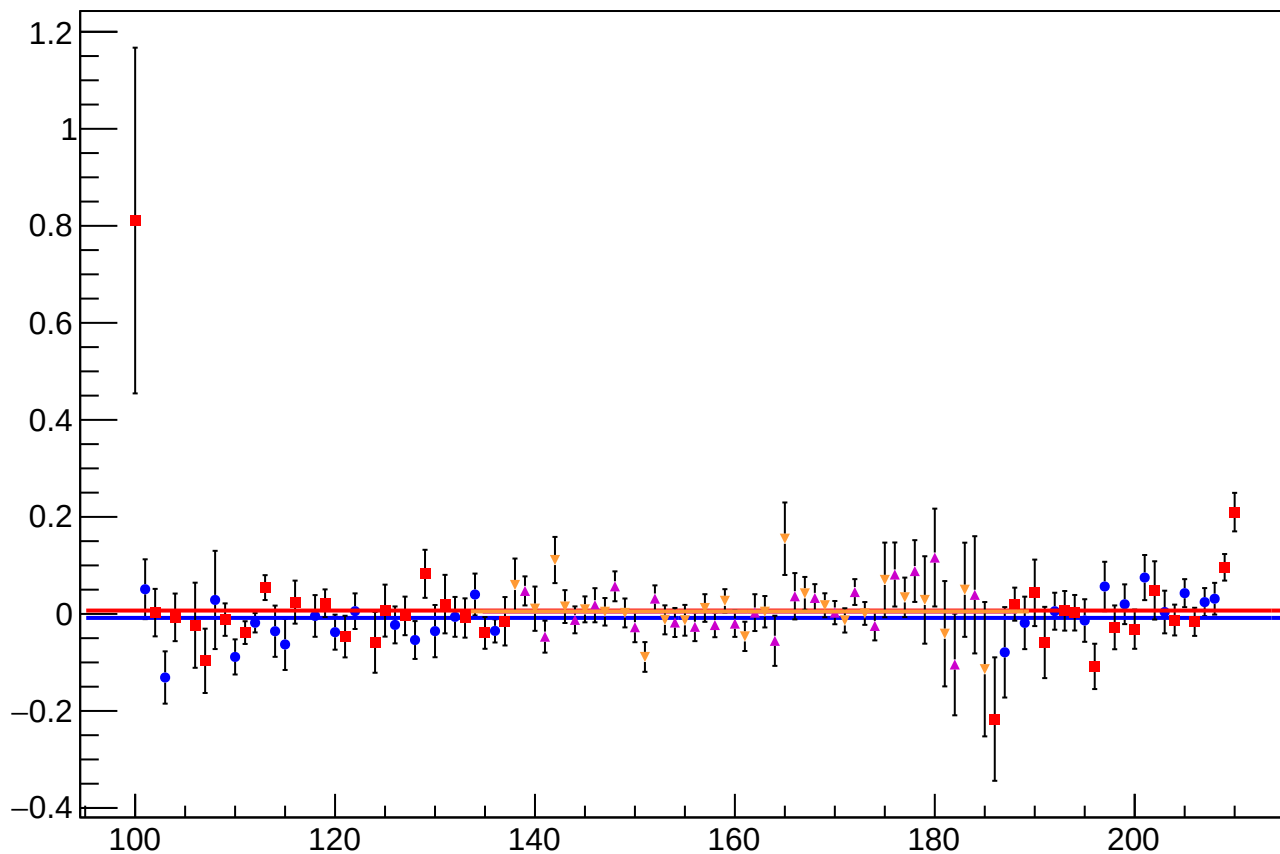
Left In: 27.524+/-0.005 χ^2/NDF : 2634540.9/22

+ sign 27.375+/-0.004 χ^2/NDF : 7038107.8/51

All: 27.531+/-0.002 χ^2/NDF : 12591467.2/107

- sign 27.682+/-0.004 χ^2/NDF : 5549588.9/55

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.007 χ^2/NDF : 29.8/26

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: 0.007 ± 0.007 χ^2/NDF : 73.3/32

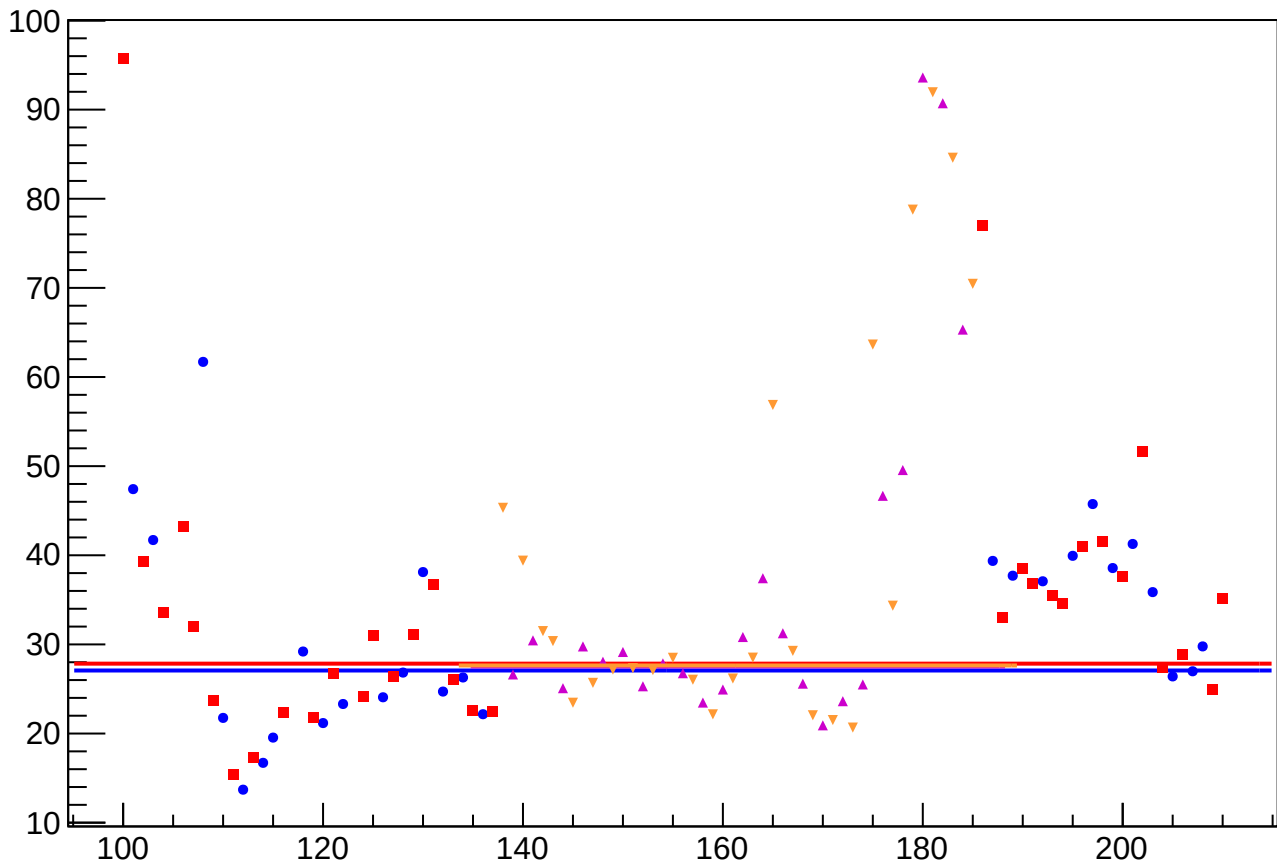
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign -0.001 ± 0.005 χ^2/NDF : 60.0/51

All: 0.002 ± 0.004 χ^2/NDF : 159.4/107

- sign 0.006 ± 0.005 χ^2/NDF : 98.4/55

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.073+/-0.005 χ^2/NDF : 3057802.5/26

Left Out: 27.635+/-0.005 χ^2/NDF : 3974084.8/24

Right Out: 27.841+/-0.005 χ^2/NDF : 2912996.8/32

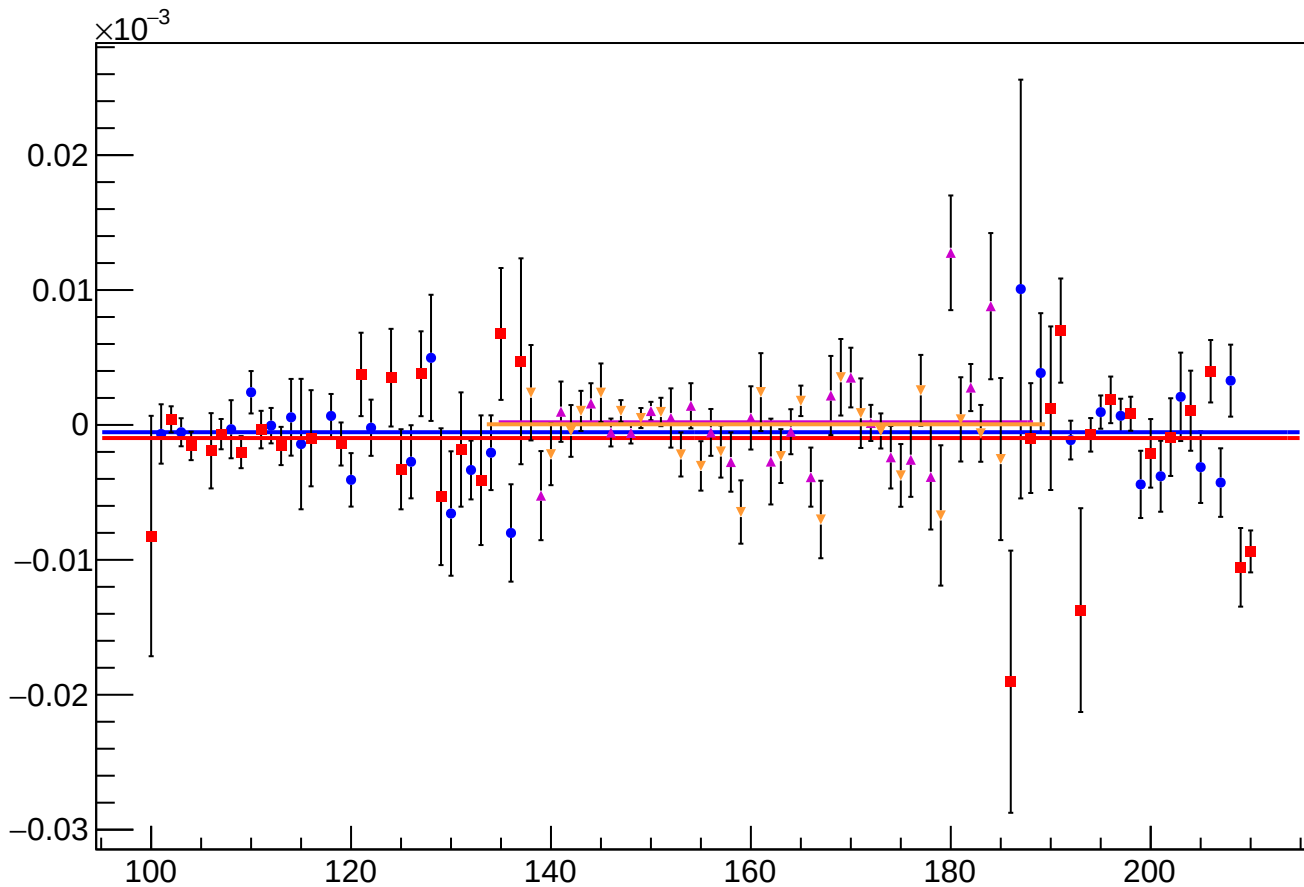
Left In: 27.524+/-0.005 χ^2/NDF : 2634540.9/22

+ sign 27.375+/-0.004 χ^2/NDF : 7038107.8/51

All: 27.531+/-0.002 χ^2/NDF : 12591467.2/107

- sign 27.682+/-0.004 χ^2/NDF : 5549588.9/55

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 31.4/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 37.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 76.2/32

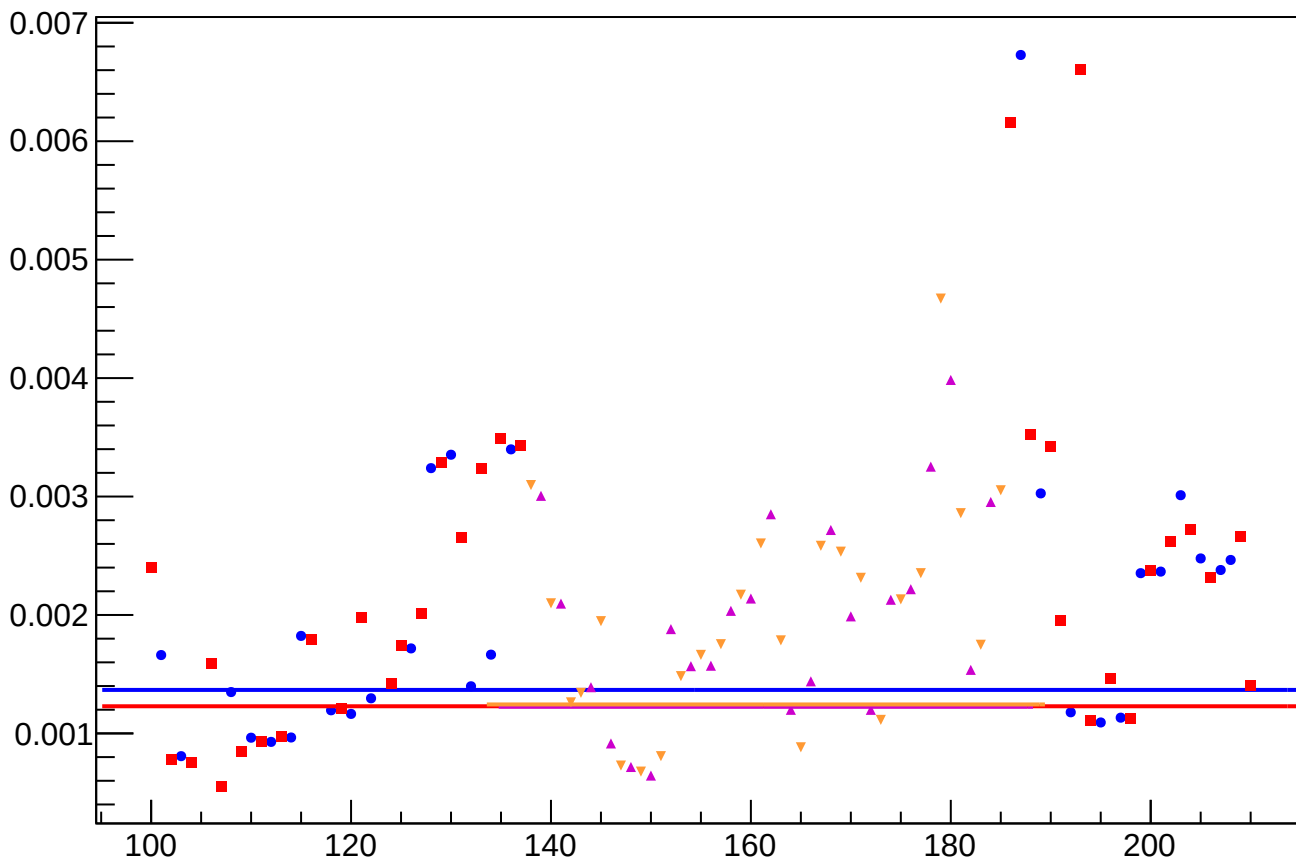
Left In: 0.000 ± 0.000 χ^2/NDF : 33.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 69.7/51

All: -0.000 ± 0.000 χ^2/NDF : 185.5/107

- sign -0.000 ± 0.000 χ^2/NDF : 115.5/55

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 5286974.1/26

Left Out: 0.001+/-0.000 χ^2/NDF : 8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF : 8764813.0/32

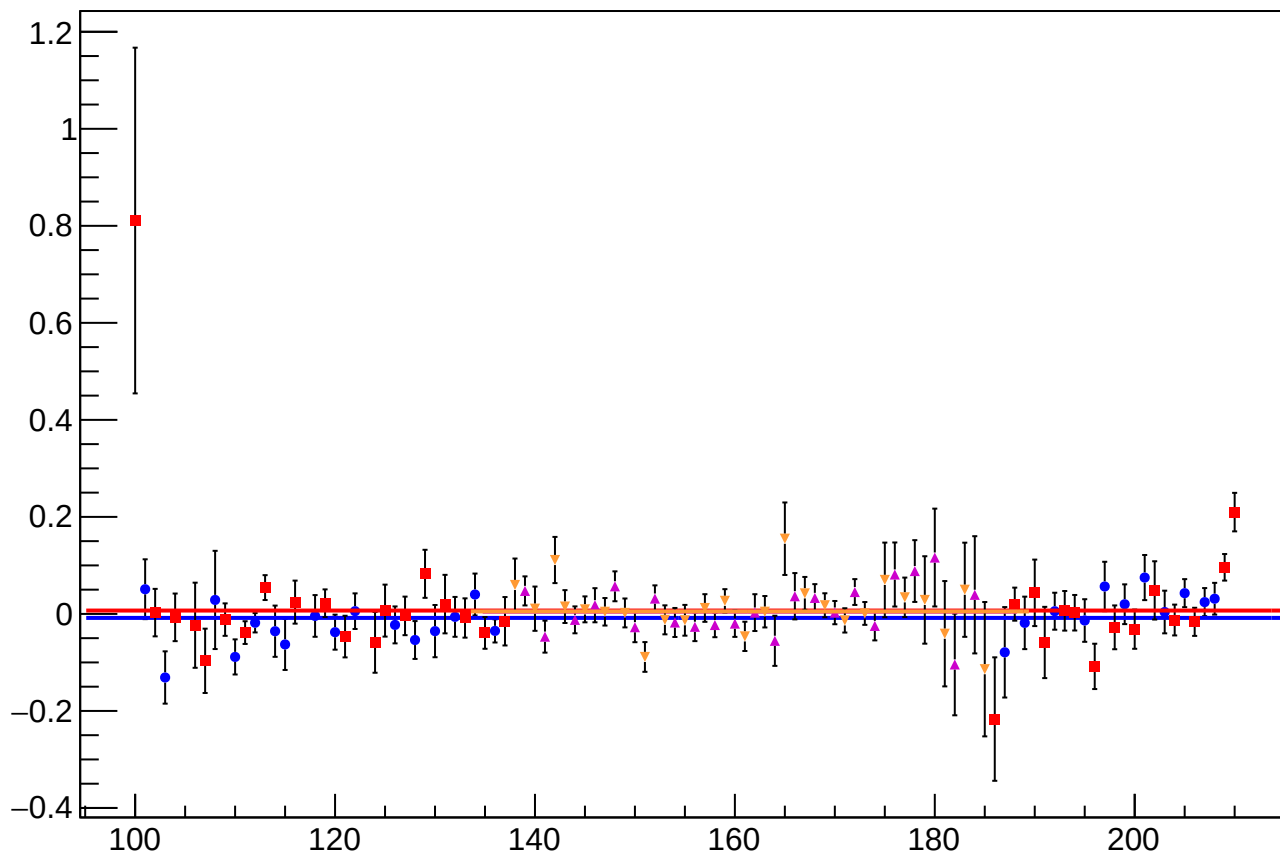
Left In: 0.001+/-0.000 χ^2/NDF : 7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 13745759.2/51

All: 0.001+/-0.000 χ^2/NDF : 30411629.0/107

- sign 0.001+/-0.000 χ^2/NDF : 16587798.3/55

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.007 χ^2/NDF : 29.8/26

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: 0.007 ± 0.007 χ^2/NDF : 73.3/32

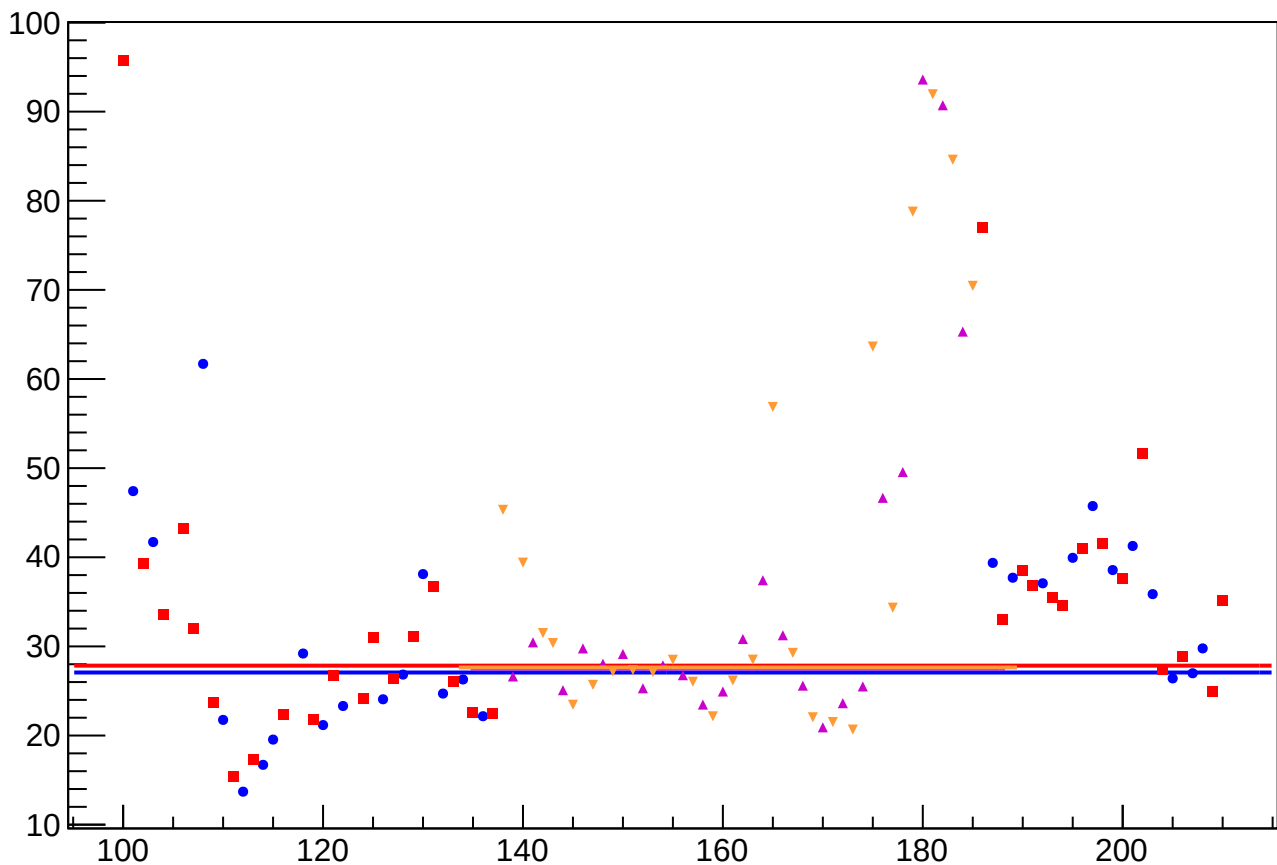
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign -0.001 ± 0.005 χ^2/NDF : 60.0/51

All: 0.002 ± 0.004 χ^2/NDF : 159.4/107

- sign 0.006 ± 0.005 χ^2/NDF : 98.4/55

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.073+/-0.005 χ^2/NDF : 3057810.2/26

Left Out: 27.635+/-0.005 χ^2/NDF : 3974025.3/24

Right Out: 27.841+/-0.005 χ^2/NDF : 2913098.8/32

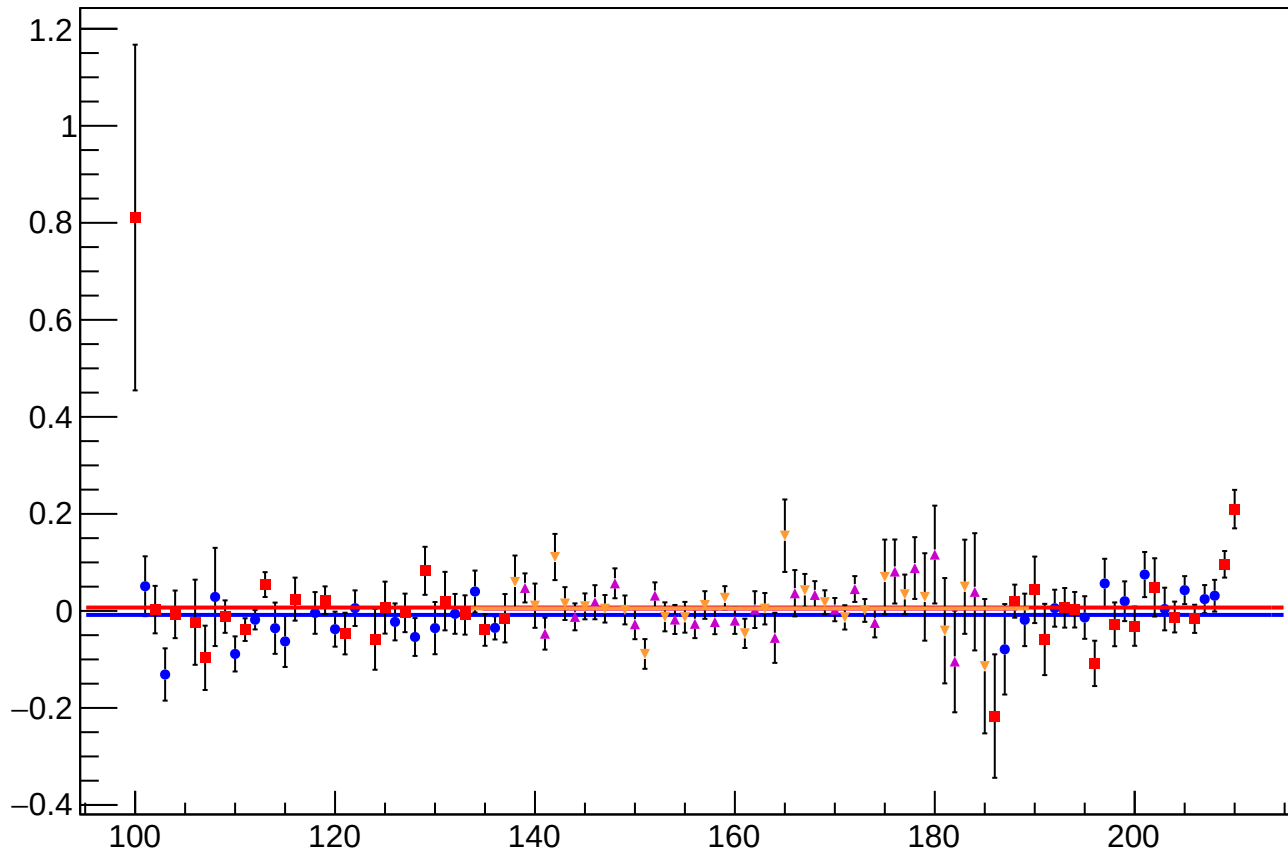
Left In: 27.524+/-0.005 χ^2/NDF : 2634508.8/22

+ sign 27.375+/-0.004 χ^2/NDF : 7038065.0/51

All: 27.531+/-0.002 χ^2/NDF : 12591488.9/107

- sign 27.682+/-0.004 χ^2/NDF : 5549655.3/55

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.007 χ^2/NDF : 29.8/26

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: 0.007 ± 0.007 χ^2/NDF : 73.3/32

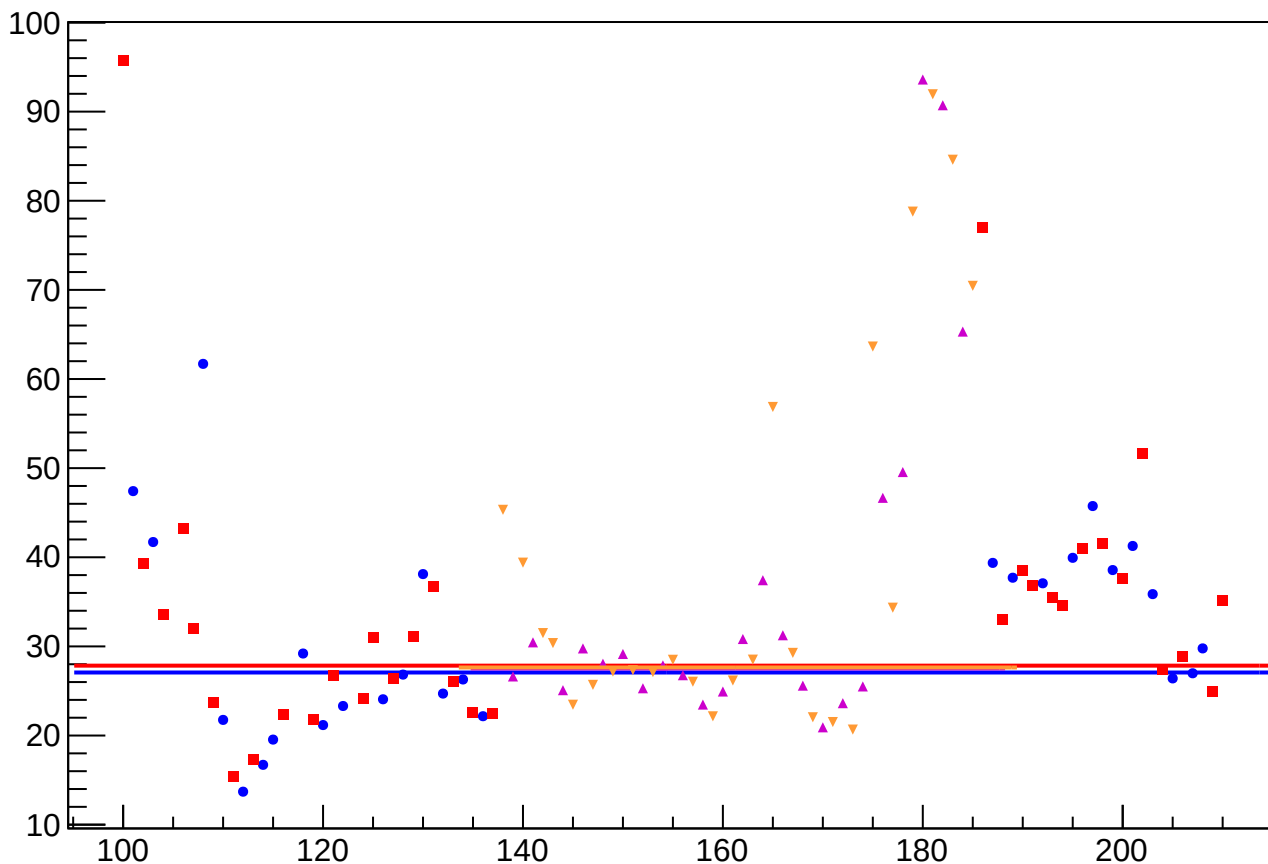
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign -0.001 ± 0.005 χ^2/NDF : 60.0/51

All: 0.002 ± 0.004 χ^2/NDF : 159.4/107

- sign 0.006 ± 0.005 χ^2/NDF : 98.4/55

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.073 $\pm$ 0.005 χ^2 /NDF: 3057810.2/26

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF:3974025.3/24

Right Out: 27.841 $\pm$ 0.005 χ^2 /NDF: 2913098.8/32

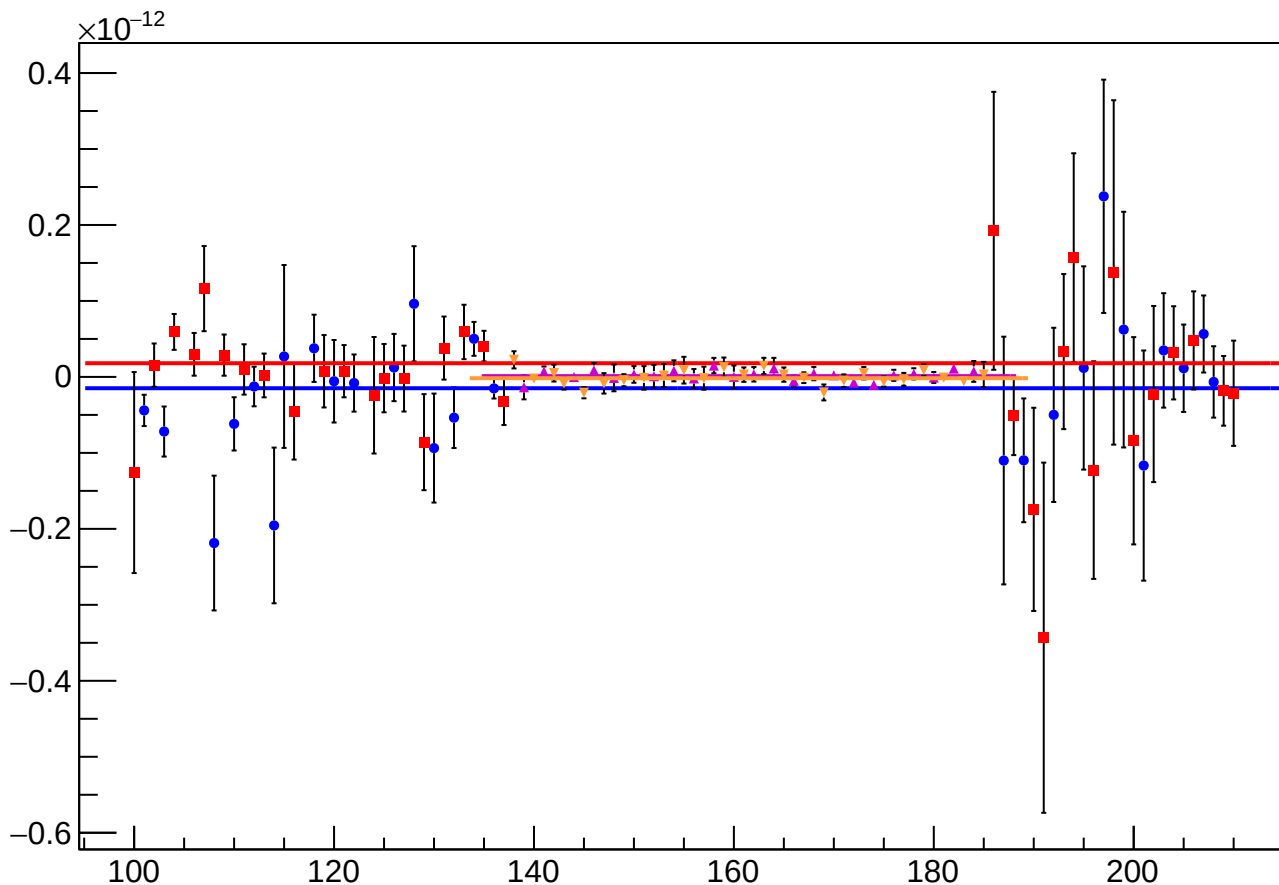
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF:2634508.8/22

+ sign 27.375 $\pm$ 0.004 χ^2 /NDF: 7038065.0/51

All: 27.531 $\pm$ 0.002 χ^2 /NDF: 12591488.9/107

- sign 27.682 $\pm$ 0.004 χ^2 /NDF: 5549655.3/55

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 37.8/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 24.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 29.6/32

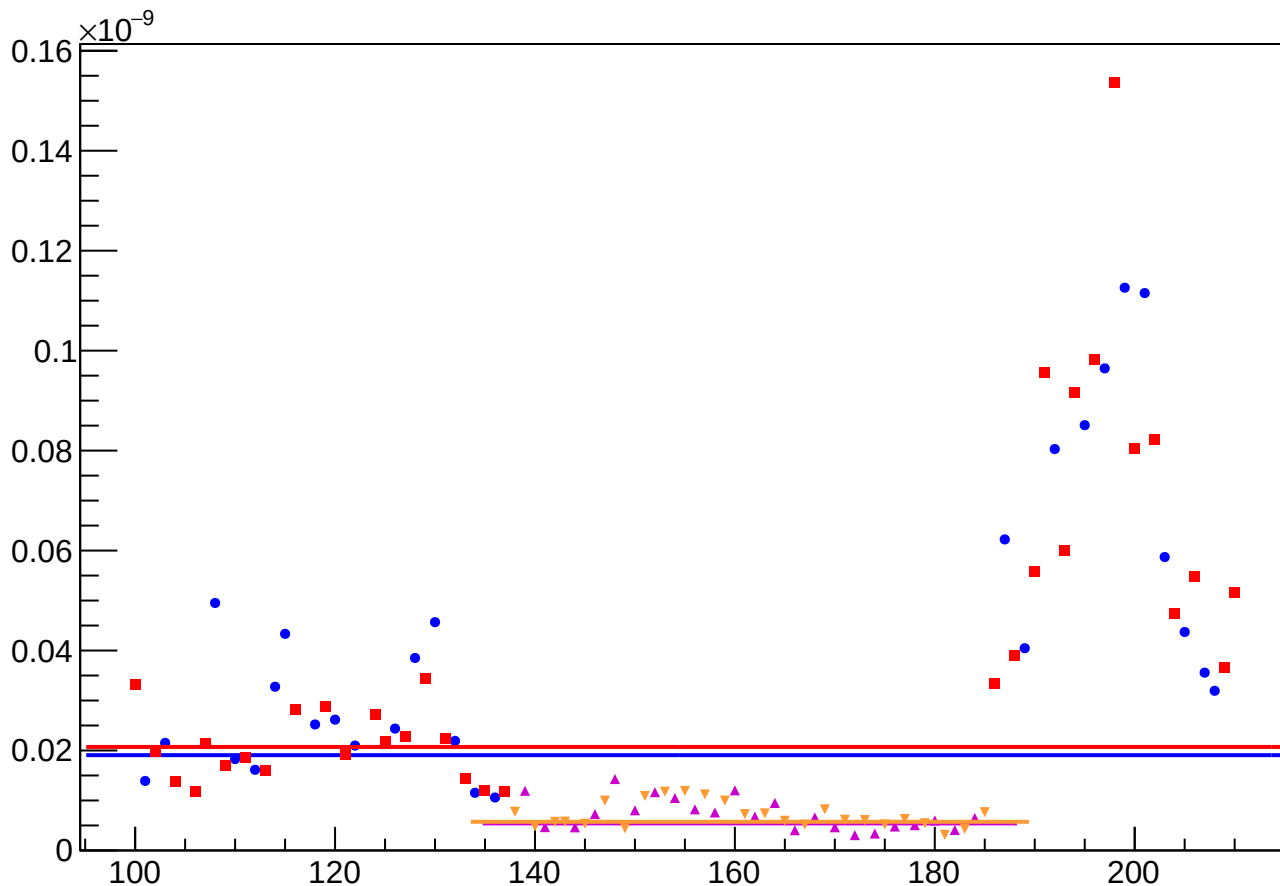
Left In: 0.000 ± 0.000 χ^2/NDF : 16.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 65.3/51

All: -0.000 ± 0.000 χ^2/NDF : 119.7/107

- sign 0.000 ± 0.000 χ^2/NDF : 51.1/55

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6679620.1/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6541651.1/32

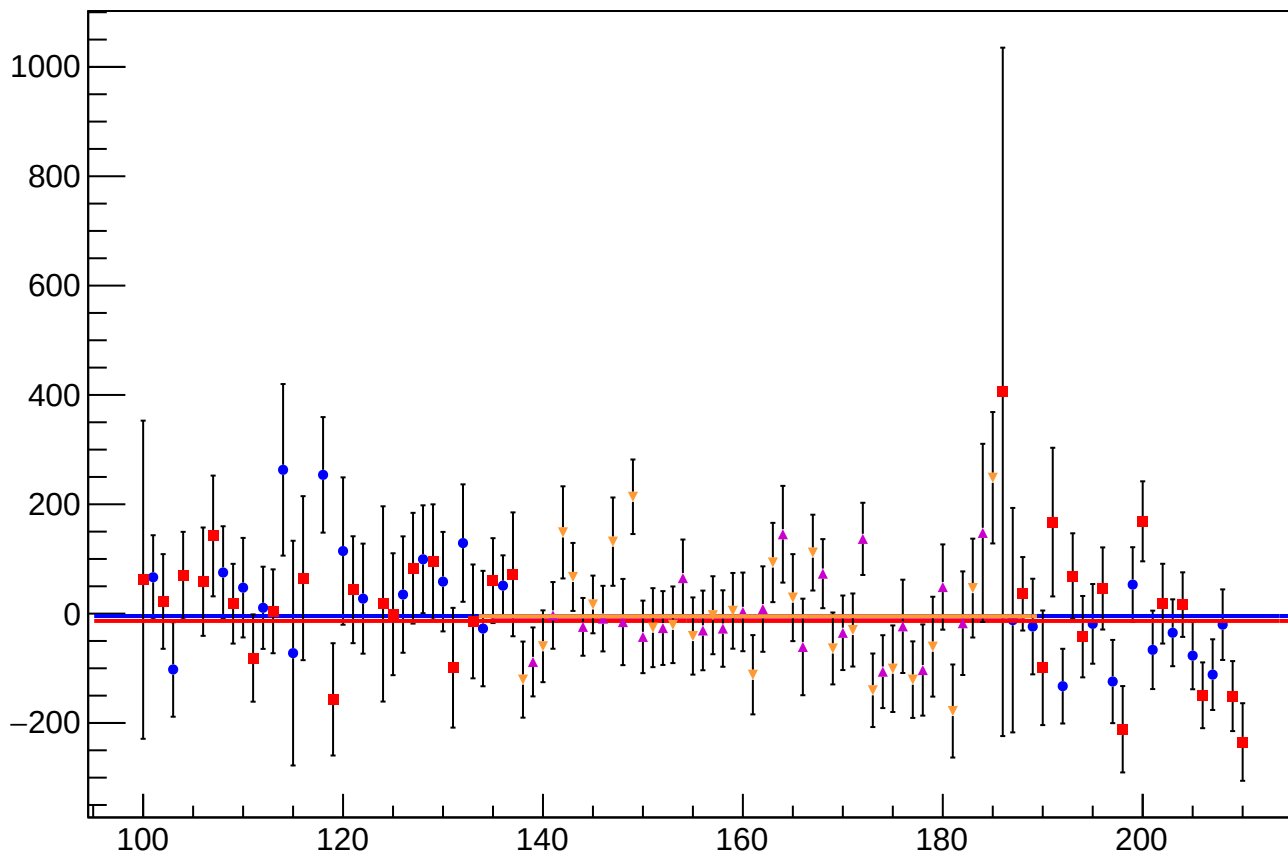
Left In: 0.000+/-0.000 χ^2/NDF : 3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 15510838.3/51

All: 0.000+/-0.000 χ^2/NDF : 33585726.6/107

- sign 0.000+/-0.000 χ^2/NDF : 18053406.1/55

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -4.330 ± 15.792 $\chi^2/\text{NDF}: 29.5/26$

Left Out: -4.742 ± 14.432 $\chi^2/\text{NDF}: 47.4/24$

Right Out: -13.364 ± 15.087 $\chi^2/\text{NDF}: 49.1/32$

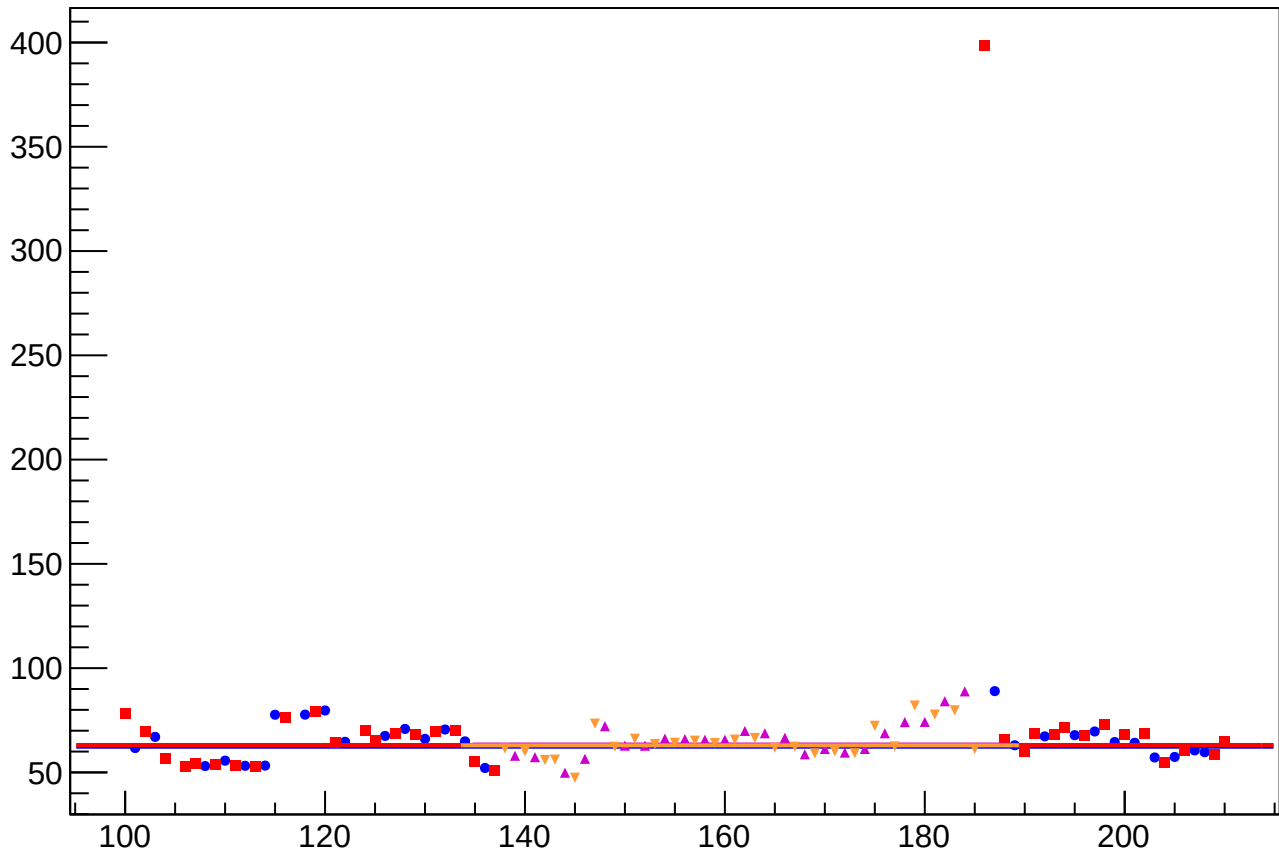
Left In: -5.776 ± 14.931 $\chi^2/\text{NDF}: 18.3/22$

+ sign -4.554 ± 10.653 $\chi^2/\text{NDF}: 76.9/51$

All: -7.052 ± 7.518 $\chi^2/\text{NDF}: 144.5/107$

- sign -9.531 ± 10.612 $\chi^2/\text{NDF}: 67.5/55$

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.324 $\pm$ 0.011 χ^2 /NDF: 378365.6/26

Left Out: 62.976 $\pm$ 0.010 χ^2 /NDF: 526859.8/24

Right Out: 63.159 $\pm$ 0.011 χ^2 /NDF: 1025737.2/32

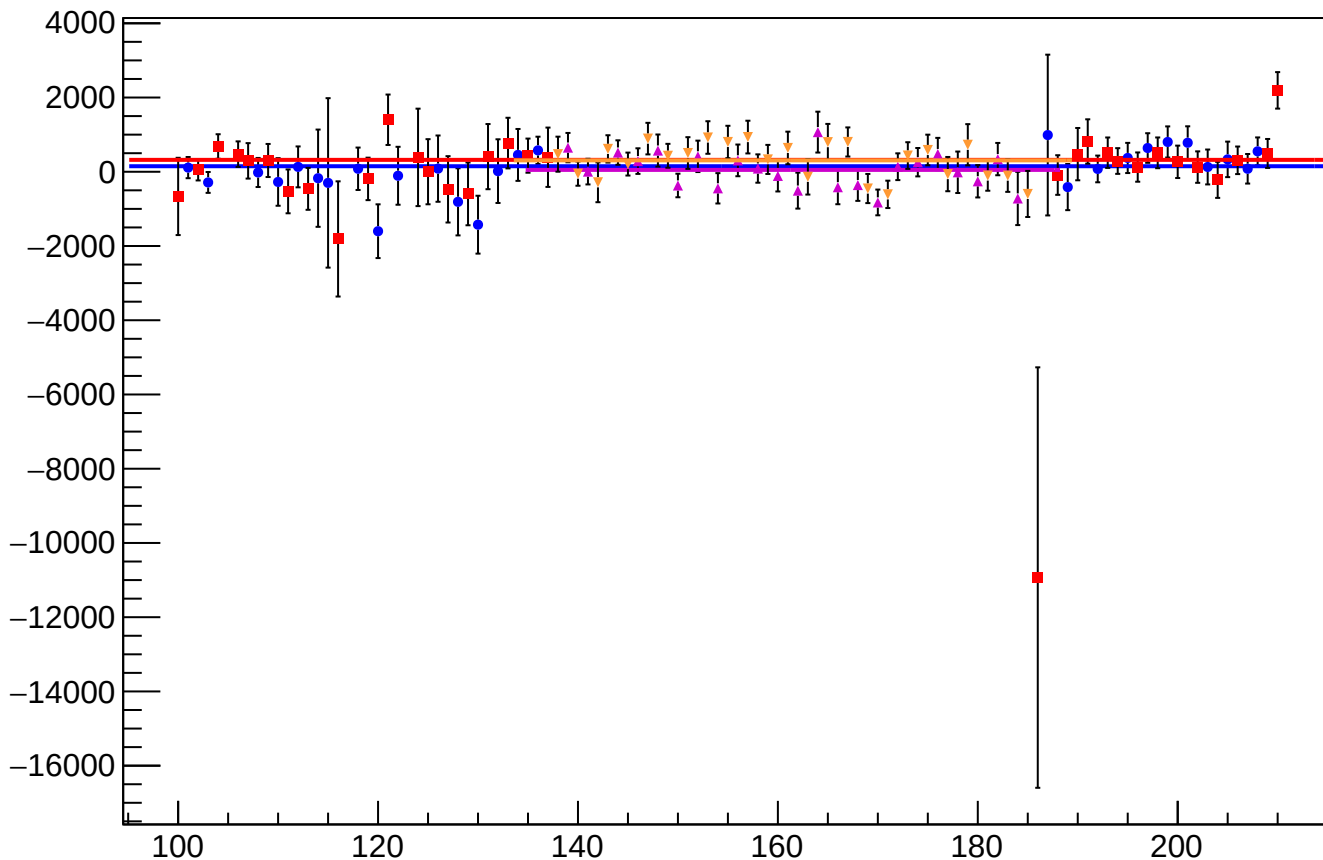
Left In: 63.365 $\pm$ 0.011 χ^2 /NDF: 496926.2/22

+ sign 62.679 $\pm$ 0.008 χ^2 /NDF: 907084.4/51

All: 62.972 $\pm$ 0.005 χ^2 /NDF: 2432953.1/107

- sign 63.263 $\pm$ 0.008 χ^2 /NDF: 1522852.1/55

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: 149.129 $\pm$ 93.071 χ^2 /NDF: 24.5/26

Left Out: 307.183 $\pm$ 82.361 χ^2 /NDF:30.6/24

Right Out: 320.607 $\pm$ 86.300 χ^2 /NDF: 37.1/32

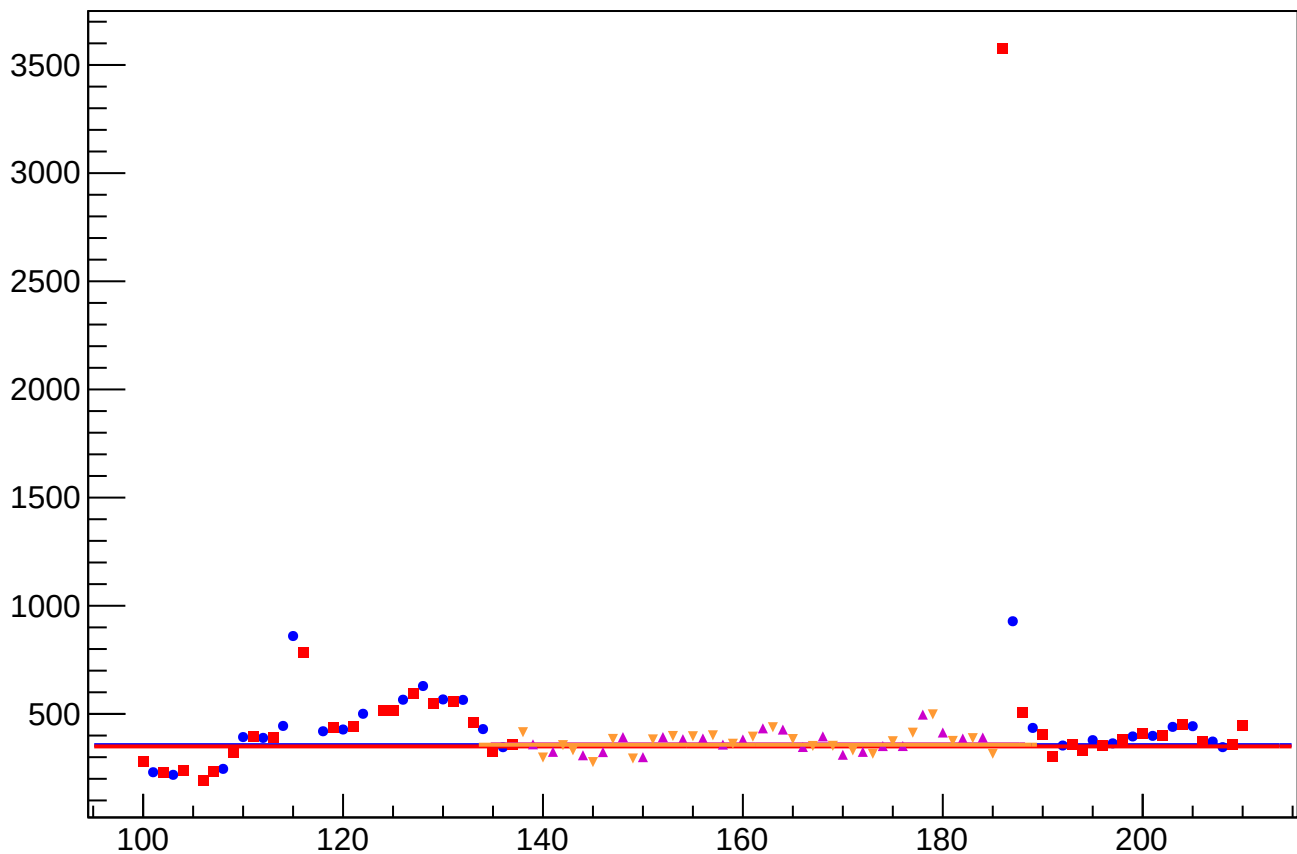
Left In: 50.030 $\pm$ 84.838 χ^2 /NDF:27.3/22

+ sign 237.769 $\pm$ 61.679 χ^2 /NDF: 56.8/51

All: 209.860 $\pm$ 43.191 χ^2 /NDF: 126.6/107

- sign 183.008 $\pm$ 60.500 χ^2 /NDF: 69.4/55

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 355.674+/-0.066 χ^2/NDF : 2191101.2/26

Left Out: 357.731+/-0.058 χ^2/NDF : 683730.4/24

Right Out: 349.738+/-0.061 χ^2/NDF : 3066398.7/32

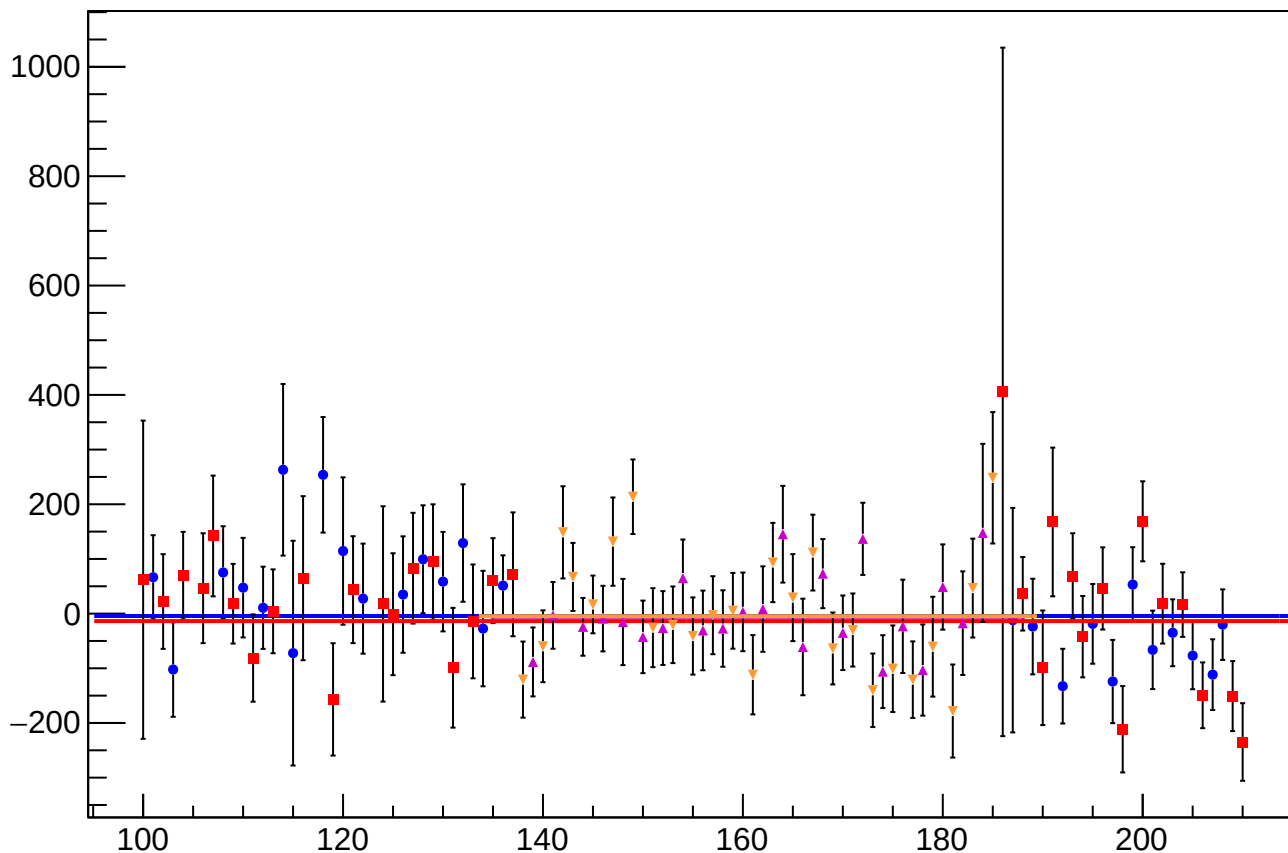
Left In: 359.350+/-0.060 χ^2/NDF : 519759.9/22

+ sign 356.828+/-0.044 χ^2/NDF : 2875379.9/51

All: 355.706+/-0.031 χ^2/NDF : 6475455.5/107

- sign 354.626+/-0.043 χ^2/NDF : 3598776.7/55

cor_asym_sam_37_48_dd_mean vs Slug



Right In: -4.336 ± 15.792 $\chi^2/\text{NDF}: 29.5/26$

Left Out: -4.748 ± 14.432 $\chi^2/\text{NDF}: 47.4/24$

Right Out: -13.681 ± 15.092 $\chi^2/\text{NDF}: 48.9/32$

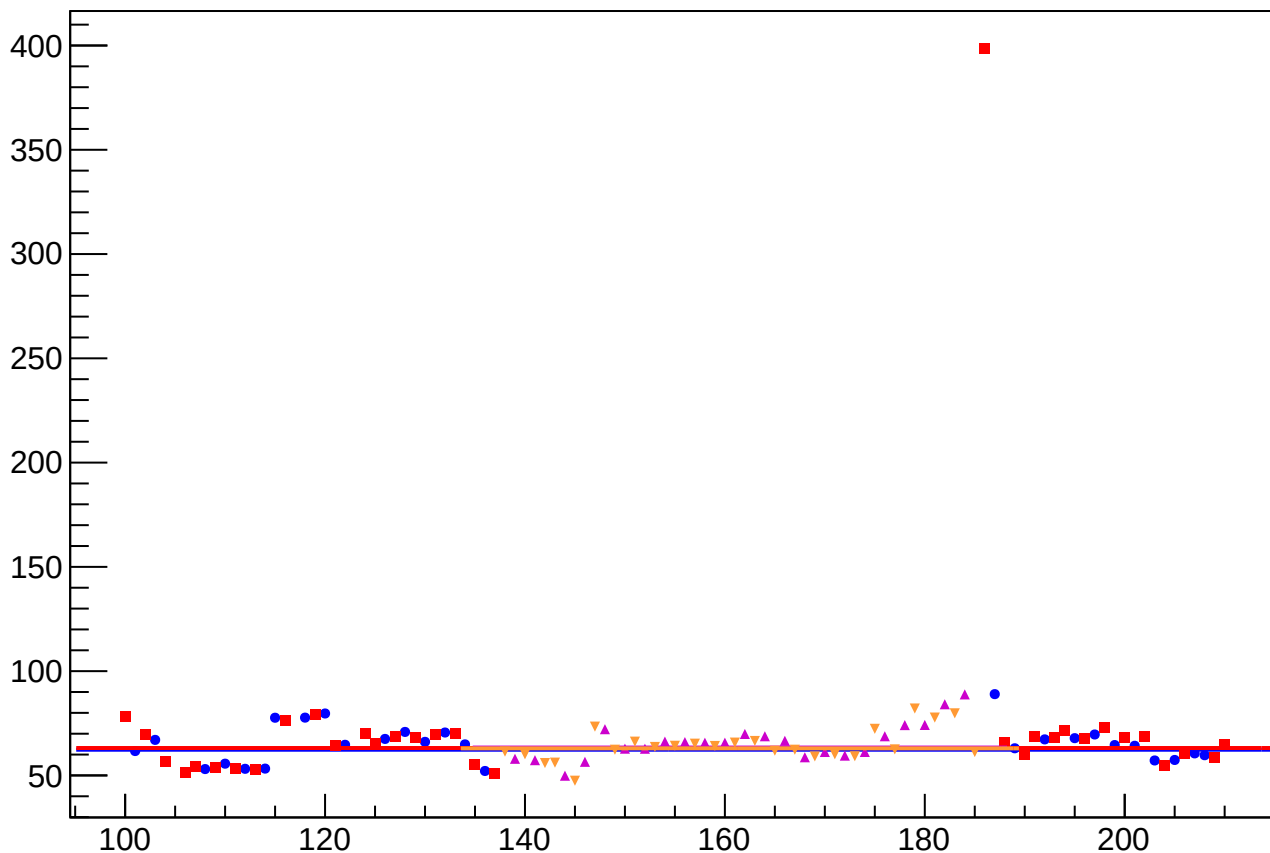
Left In: -5.775 ± 14.931 $\chi^2/\text{NDF}: 18.3/22$

+ sign -4.560 ± 10.653 $\chi^2/\text{NDF}: 76.9/51$

All: -7.132 ± 7.519 $\chi^2/\text{NDF}: 144.4/107$

- sign -9.686 ± 10.614 $\chi^2/\text{NDF}: 67.4/55$

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.324 $\pm$ 0.011 χ^2 /NDF: 378365.8/26

Left Out: 62.976 $\pm$ 0.010 χ^2 /NDF: 526859.8/24

Right Out: 63.142 $\pm$ 0.011 χ^2 /NDF: 1029811.8/32

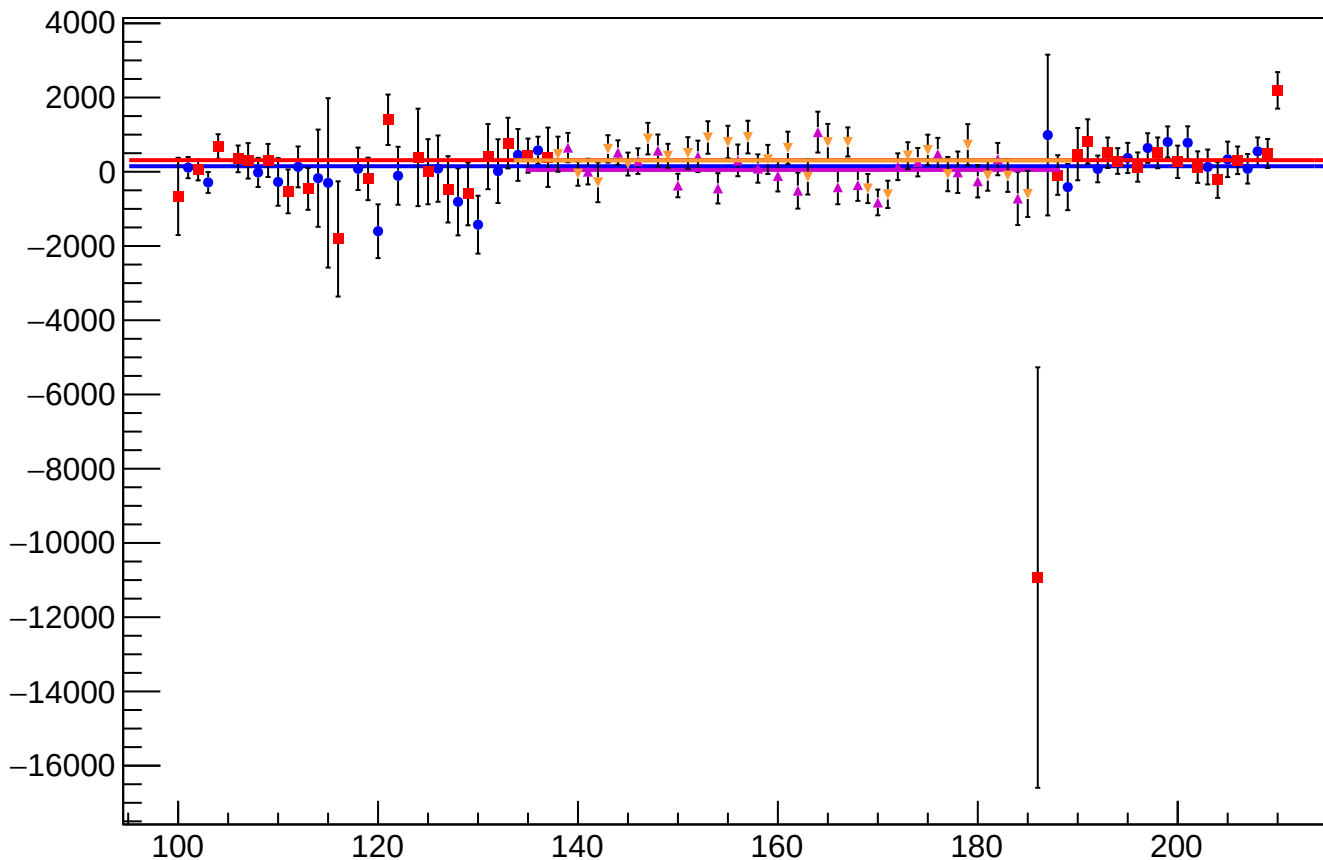
Left In: 63.365 $\pm$ 0.011 χ^2 /NDF: 496926.2/22

+ sign 62.679 $\pm$ 0.008 χ^2 /NDF: 907084.6/51

All: 62.968 $\pm$ 0.005 χ^2 /NDF: 2436974.5/107

- sign 63.255 $\pm$ 0.008 χ^2 /NDF: 1526958.7/55

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: 149.135 $\pm$ 93.072 χ^2 /NDF: 24.5/26

Left Out: 307.177 $\pm$ 82.361 χ^2 /NDF:30.6/24

Right Out: 312.608 $\pm$ 86.542 χ^2 /NDF: 36.9/32

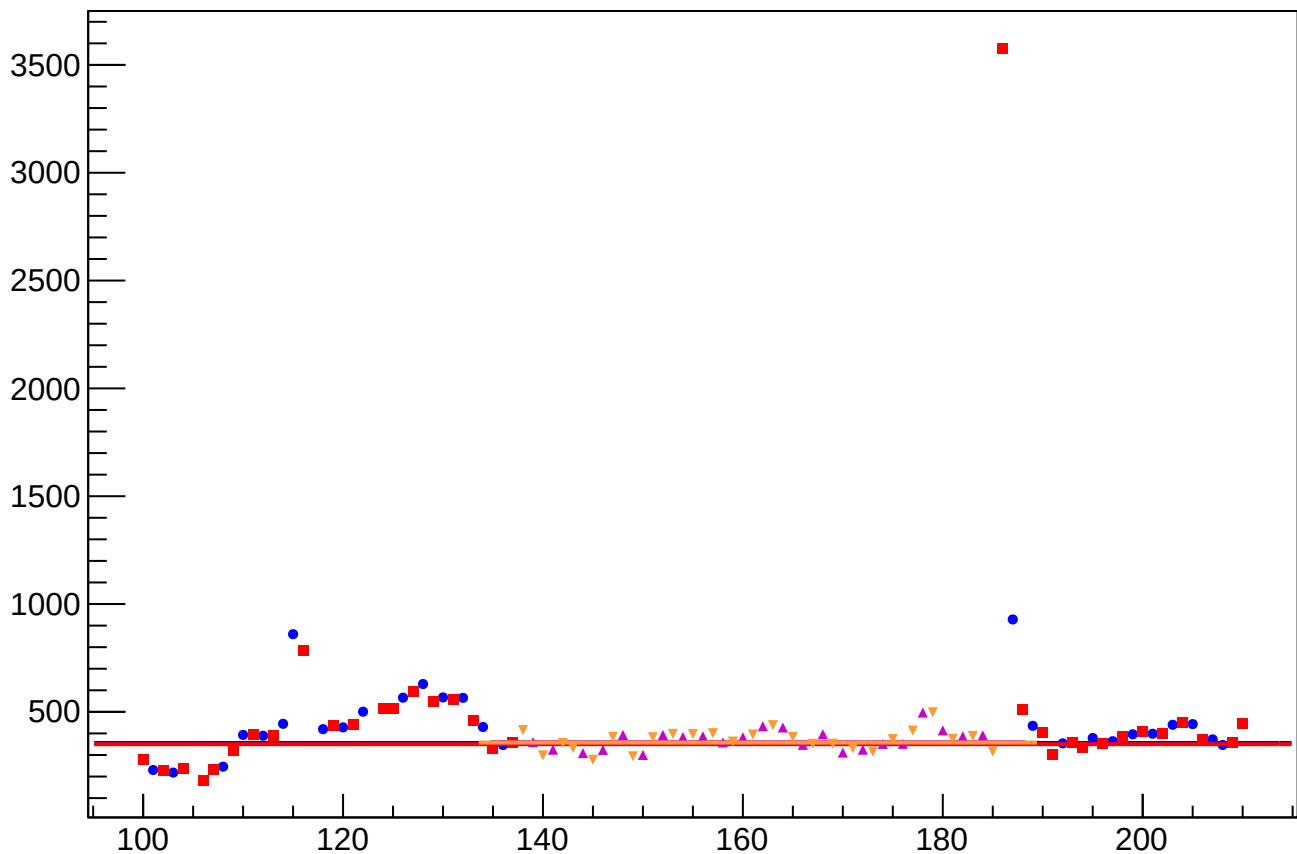
Left In: 50.029 $\pm$ 84.838 χ^2 /NDF:27.3/22

+ sign 237.769 $\pm$ 61.679 χ^2 /NDF: 56.8/51

All: 207.709 $\pm$ 43.221 χ^2 /NDF: 126.1/107

- sign 178.708 $\pm$ 60.583 χ^2 /NDF: 68.9/55

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 355.675 $\pm$ 0.066 χ^2 /NDF: 2191019.6/26

Left Out: 357.732 $\pm$ 0.058 χ^2 /NDF: 683726.4/24

Right Out: 350.033 $\pm$ 0.061 χ^2 /NDF: 3081071.0/32

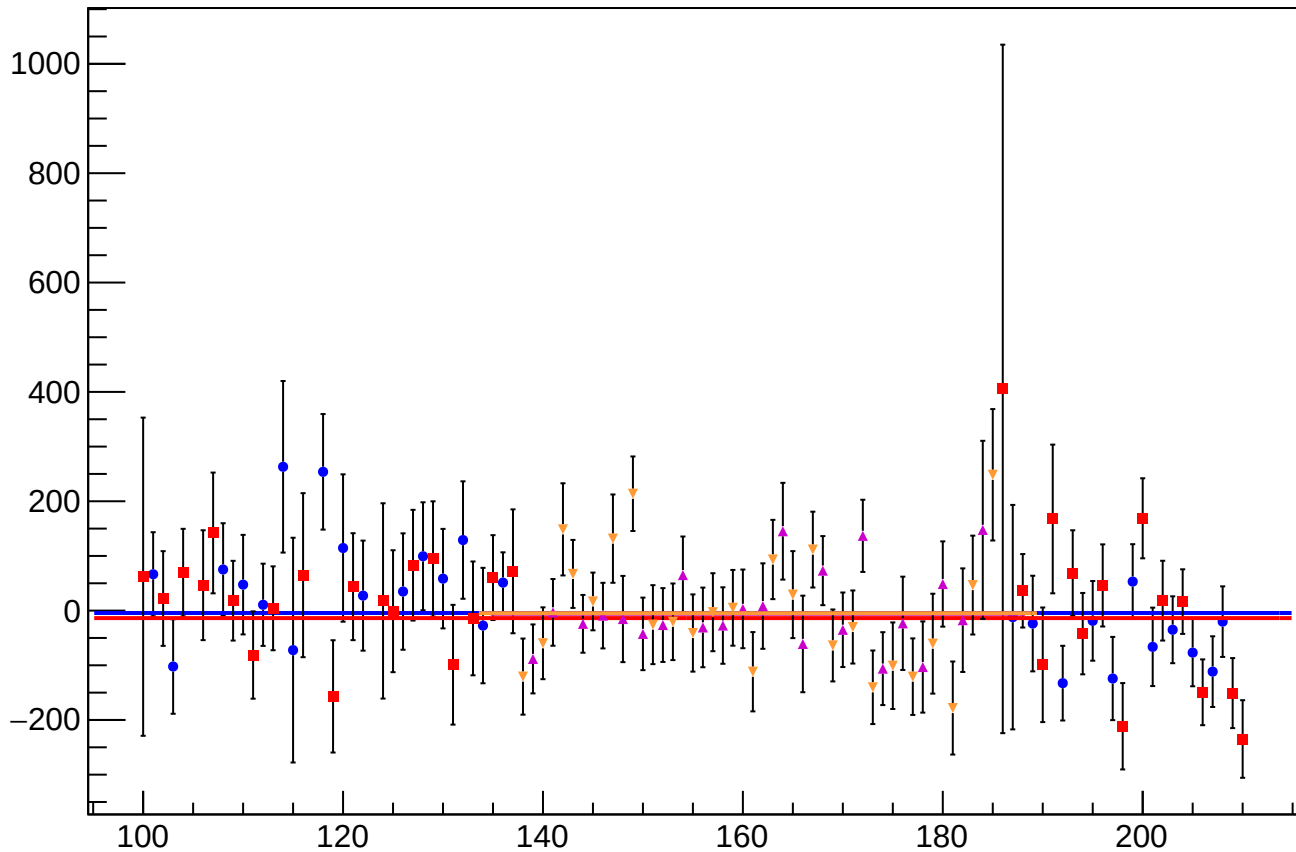
Left In: 359.350 $\pm$ 0.060 χ^2 /NDF: 519762.7/22

+ sign 356.828 $\pm$ 0.044 χ^2 /NDF: 2875293.5/51

All: 355.788 $\pm$ 0.031 χ^2 /NDF: 6489066.2/107

- sign 354.784 $\pm$ 0.043 χ^2 /NDF: 3612654.5/55

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: -4.336 ± 15.792 $\chi^2/\text{NDF}: 29.5/26$

Left Out: -4.748 ± 14.432 $\chi^2/\text{NDF}: 47.4/24$

Right Out: -13.681 ± 15.092 $\chi^2/\text{NDF}: 48.9/32$

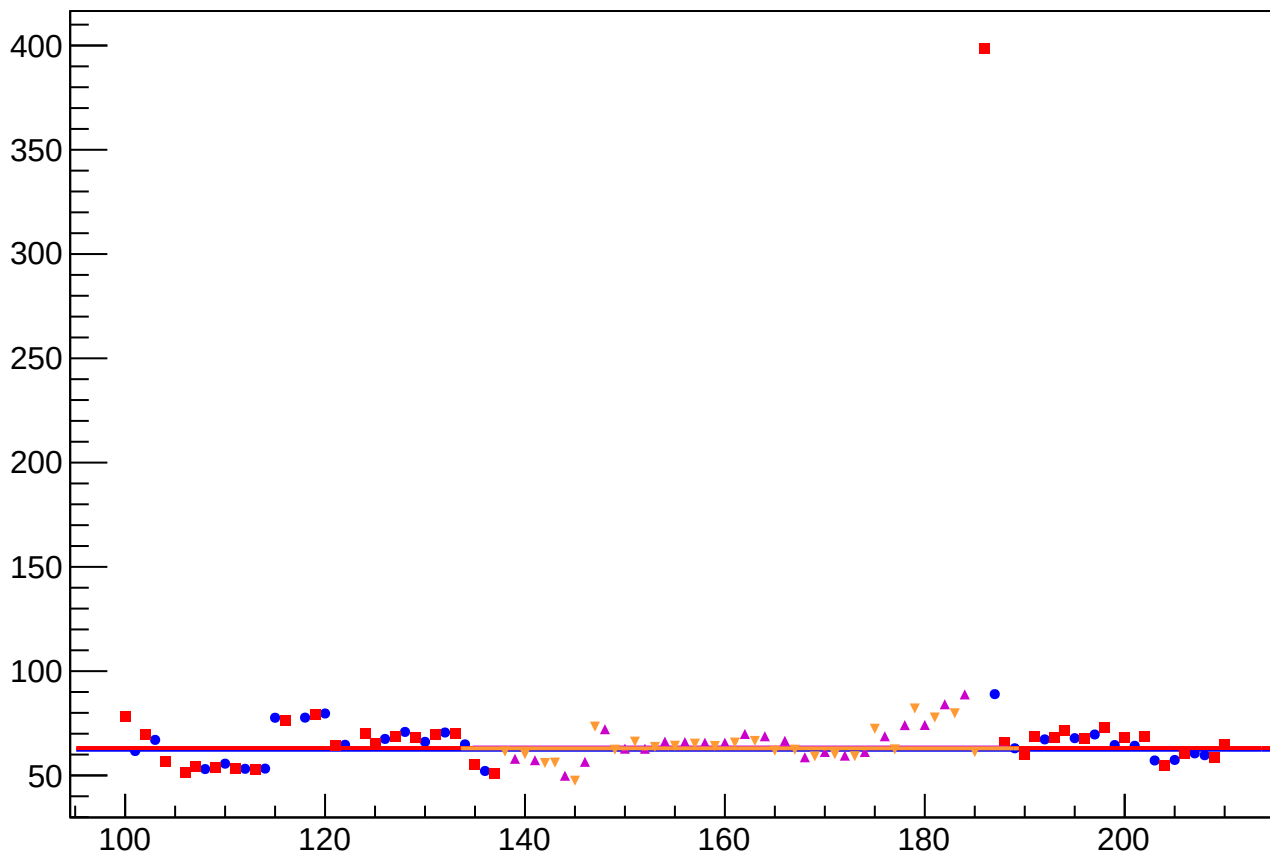
Left In: -5.775 ± 14.931 $\chi^2/\text{NDF}: 18.3/22$

+ sign -4.560 ± 10.653 $\chi^2/\text{NDF}: 76.9/51$

All: -7.132 ± 7.519 $\chi^2/\text{NDF}: 144.4/107$

- sign -9.686 ± 10.614 $\chi^2/\text{NDF}: 67.4/55$

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.324 $\pm$ 0.011 χ^2 /NDF: 378365.8/26

Left Out: 62.976 $\pm$ 0.010 χ^2 /NDF: 526859.8/24

Right Out: 63.142 $\pm$ 0.011 χ^2 /NDF: 1029811.8/32

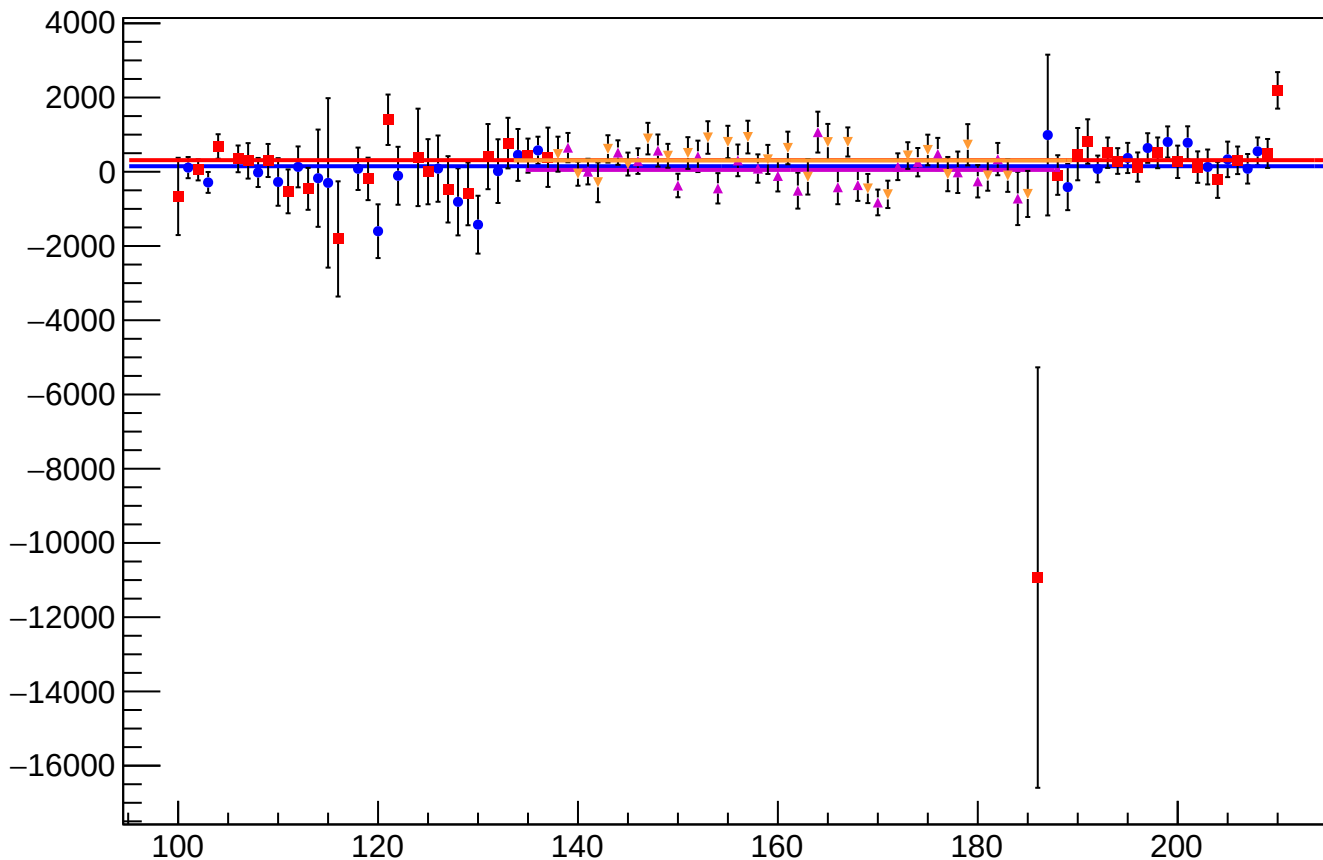
Left In: 63.365 $\pm$ 0.011 χ^2 /NDF: 496926.2/22

+ sign 62.679 $\pm$ 0.008 χ^2 /NDF: 907084.6/51

All: 62.968 $\pm$ 0.005 χ^2 /NDF: 2436974.5/107

- sign 63.255 $\pm$ 0.008 χ^2 /NDF: 1526958.7/55

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug



Right In: 149.135+/-93.072 χ^2/NDF : 24.5/26

Left Out: 307.177+/-82.361 χ^2/NDF : 30.6/24

Right Out: 312.608+/-86.542 χ^2/NDF : 36.9/32

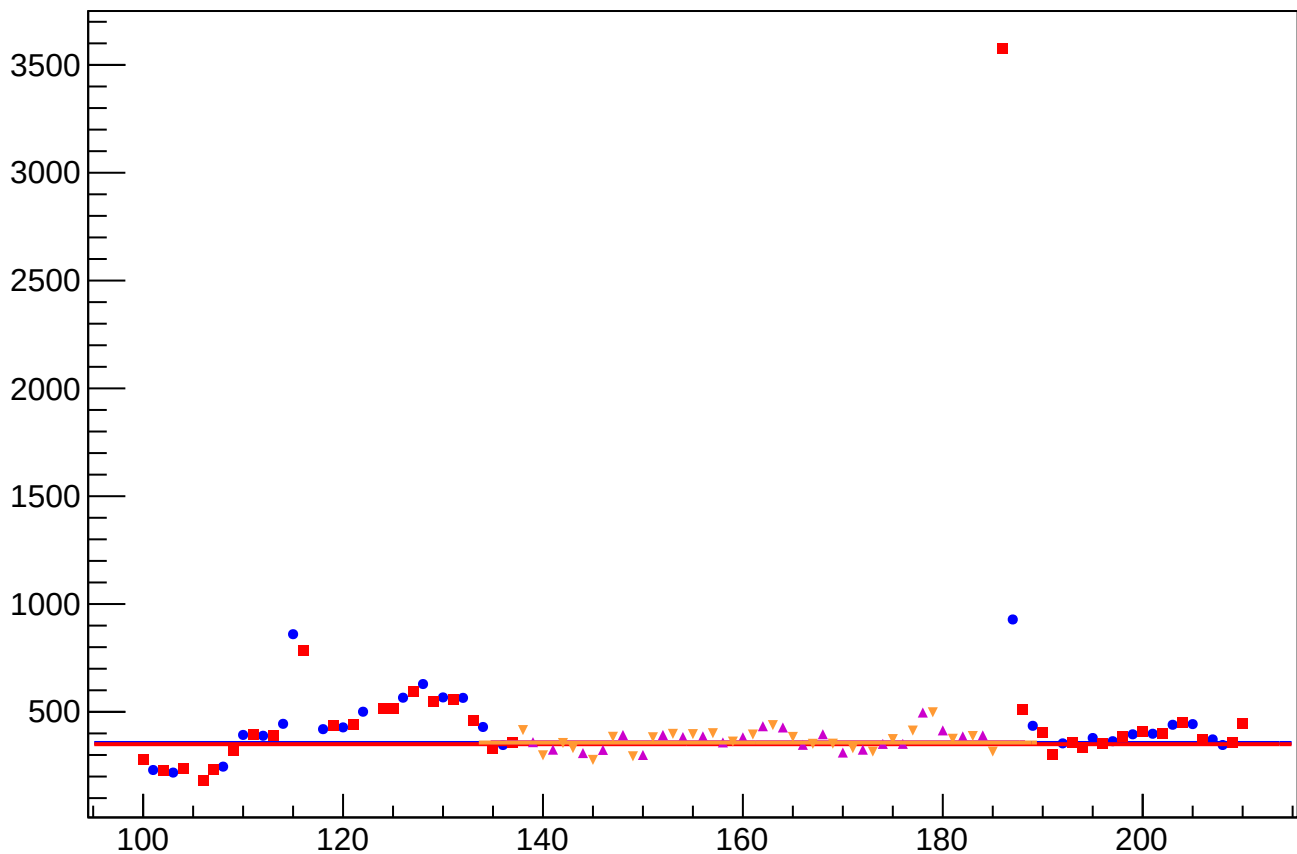
Left In: 50.029+/-84.838 χ^2/NDF : 27.3/22

+ sign 237.769+/-61.679 χ^2/NDF : 56.8/51

All: 207.709+/-43.221 χ^2/NDF : 126.1/107

- sign 178.708+/-60.583 χ^2/NDF : 68.9/55

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug



Right In: 355.675 $\pm$ 0.066 χ^2 /NDF: 2191019.6/26

Left Out: 357.732 $\pm$ 0.058 χ^2 /NDF: 683726.4/24

Right Out: 350.033 $\pm$ 0.061 χ^2 /NDF: 3081071.0/32

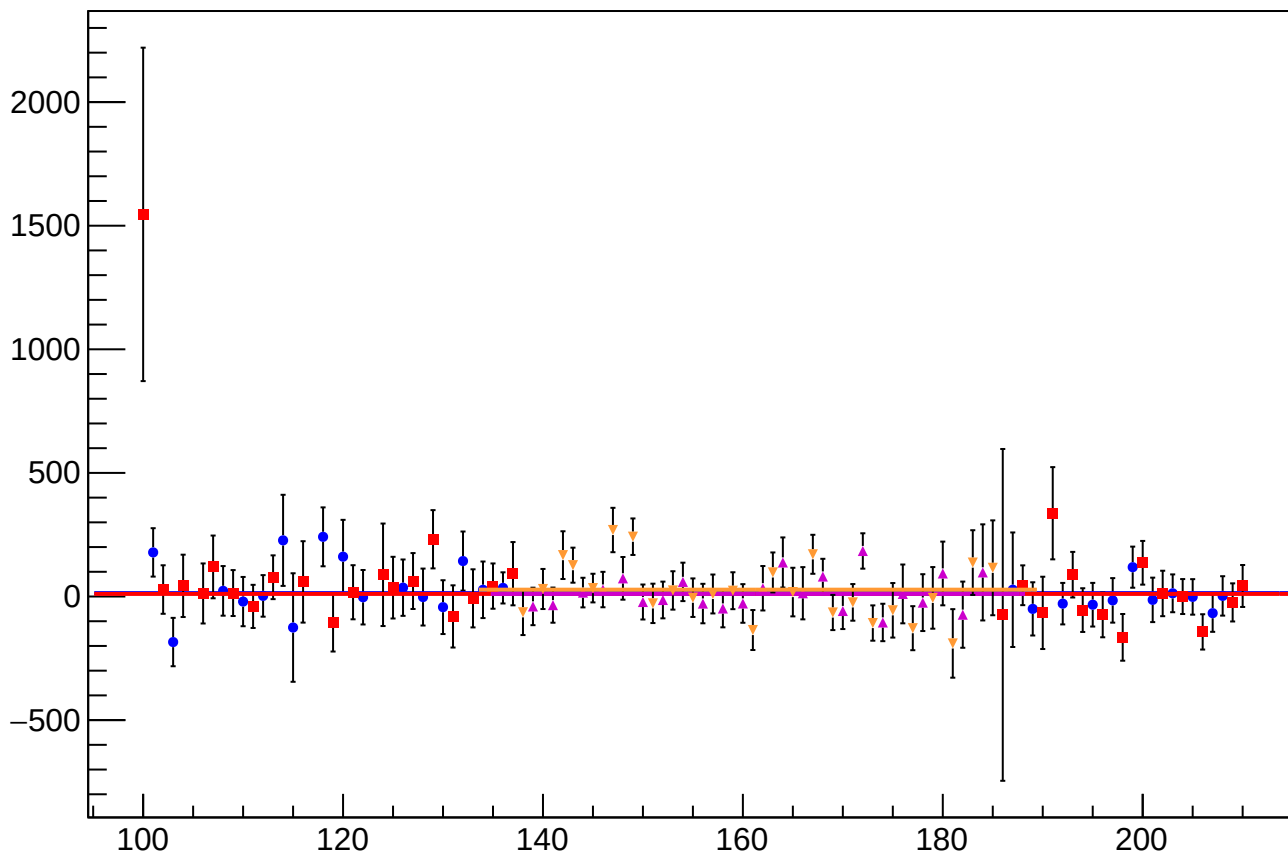
Left In: 359.350 $\pm$ 0.060 χ^2 /NDF: 519762.7/22

+ sign 356.828 $\pm$ 0.044 χ^2 /NDF: 2875293.5/51

All: 355.788 $\pm$ 0.031 χ^2 /NDF: 6489066.2/107

- sign 354.784 $\pm$ 0.043 χ^2 /NDF: 3612654.5/55

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 13.716+/-18.578 χ^2/NDF : 19.0/26

Left Out: 27.627+/-16.742 χ^2/NDF : 42.4/24

Right Out: 10.517+/-18.014 χ^2/NDF : 29.2/32

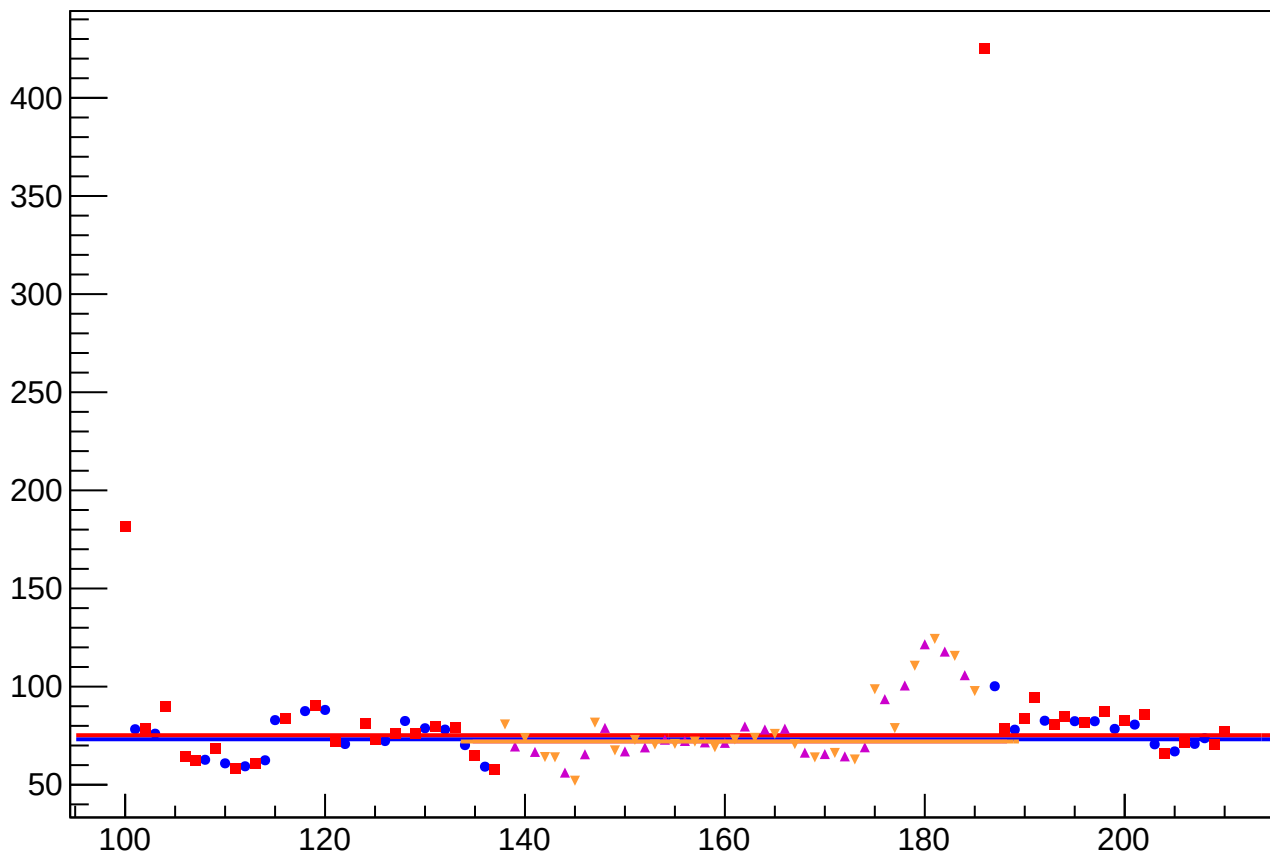
Left In: 10.521+/-17.225 χ^2/NDF : 16.1/22

+ sign 21.393+/-12.437 χ^2/NDF : 61.7/51

All: 15.961+/-8.799 χ^2/NDF : 107.3/107

- sign 10.519+/-12.450 χ^2/NDF : 45.2/55

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.173+/-0.013 χ^2/NDF : 435474.4/26

Left Out: 72.041+/-0.012 χ^2/NDF : 1269471.8/24

Right Out: 75.235+/-0.013 χ^2/NDF : 1103939.5/32

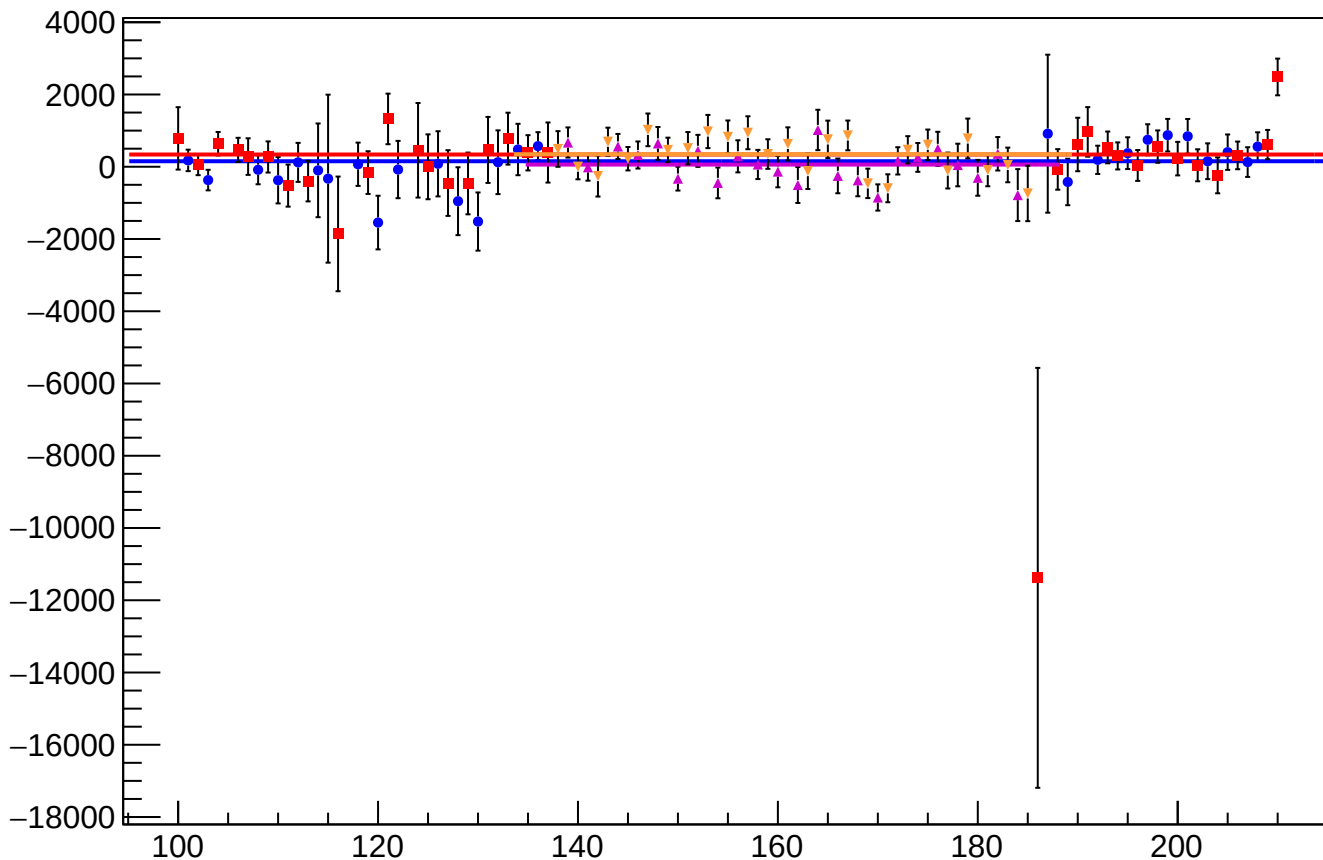
Left In: 72.092+/-0.012 χ^2/NDF : 1058857.2/22

+ sign 72.548+/-0.009 χ^2/NDF : 1709044.3/51

All: 73.070+/-0.006 χ^2/NDF : 3910704.2/107

- sign 73.593+/-0.009 χ^2/NDF : 2194603.3/55

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 152.264 $\pm$ 97.036 χ^2 /NDF: 25.9/26

Left Out: 345.973 $\pm$ 86.822 χ^2 /NDF:28.9/24

Right Out: 338.506 $\pm$ 88.991 χ^2 /NDF: 39.7/32

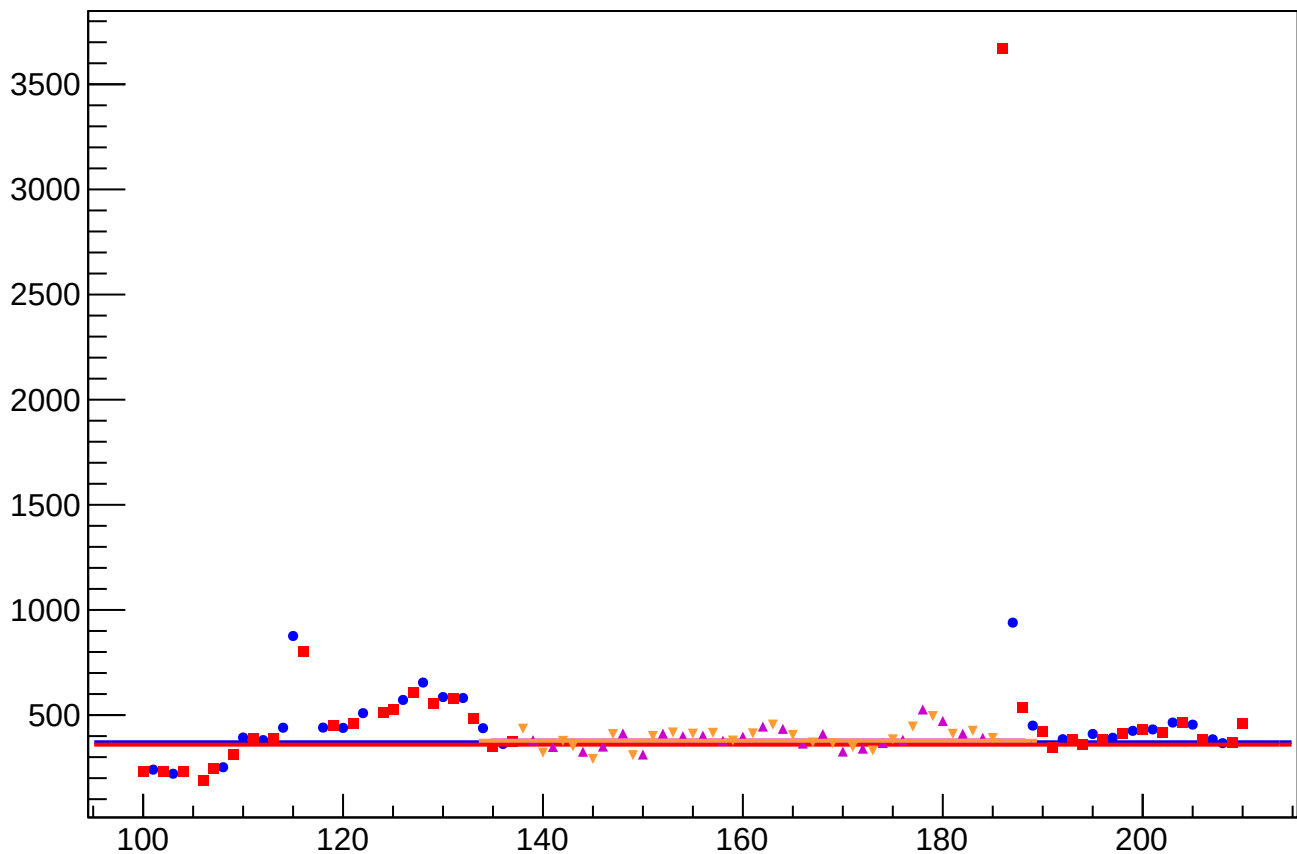
Left In: 59.908 $\pm$ 89.411 χ^2 /NDF:25.8/22

+ sign 259.846 $\pm$ 64.703 χ^2 /NDF: 57.1/51

All: 229.090 $\pm$ 45.165 χ^2 /NDF: 128.0/107

- sign 199.864 $\pm$ 63.074 χ^2 /NDF: 70.4/55

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 370.611 $\pm$ 0.069 χ^2 /NDF: 2262968.8/26

Left Out: 377.797 $\pm$ 0.061 χ^2 /NDF: 636714.9/24

Right Out: 359.396 $\pm$ 0.063 χ^2 /NDF: 3347925.5/32

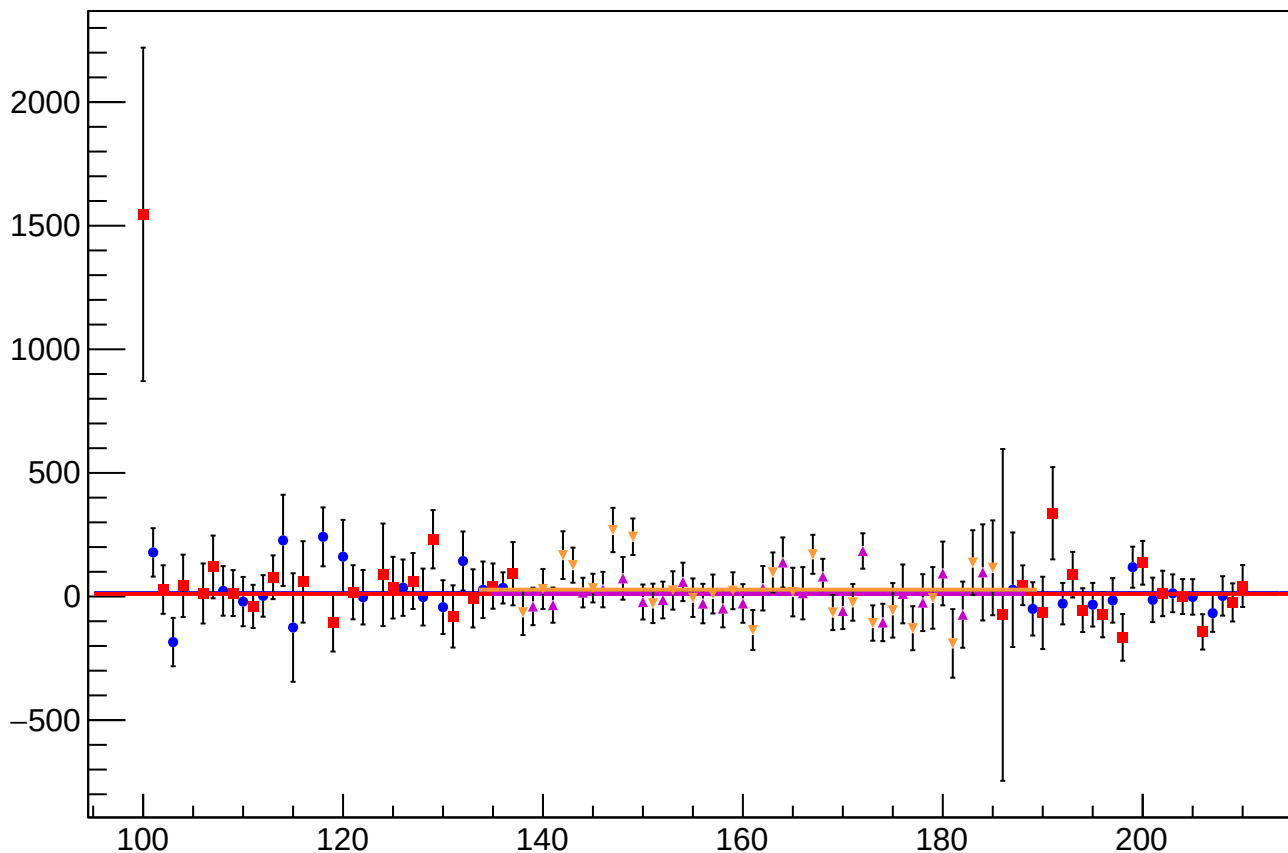
Left In: 378.869 $\pm$ 0.063 χ^2 /NDF: 527685.1/22

+ sign 374.602 $\pm$ 0.046 χ^2 /NDF: 2905775.1/51

All: 371.774 $\pm$ 0.032 χ^2 /NDF: 6836491.8/107

- sign 369.087 $\pm$ 0.045 χ^2 /NDF: 3923266.9/55

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 13.716+/-18.578 χ^2/NDF : 19.0/26

Left Out: 27.626+/-16.742 χ^2/NDF : 42.4/24

Right Out: 10.516+/-18.014 χ^2/NDF : 29.2/32

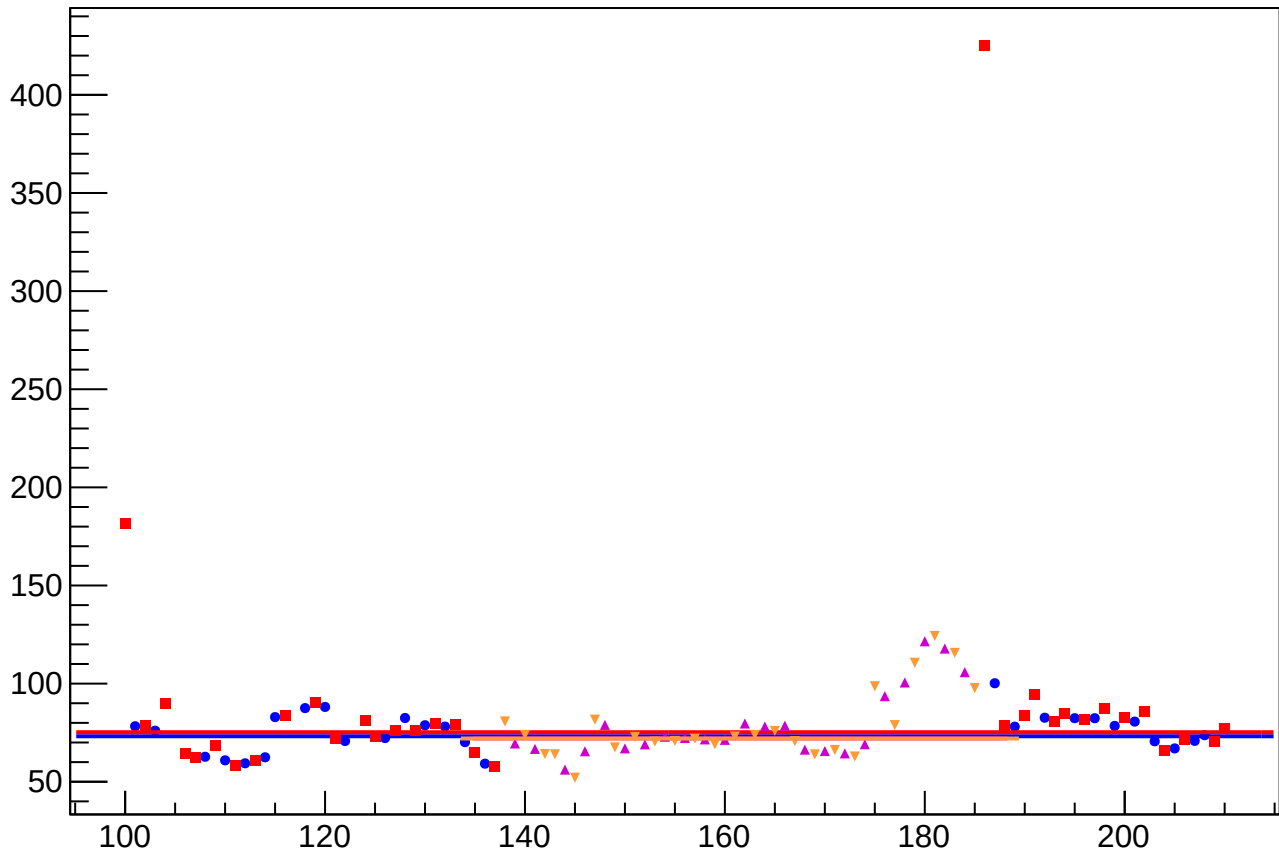
Left In: 10.521+/-17.225 χ^2/NDF : 16.1/22

+ sign 21.392+/-12.437 χ^2/NDF : 61.7/51

All: 15.961+/-8.799 χ^2/NDF : 107.3/107

- sign 10.519+/-12.450 χ^2/NDF : 45.2/55

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.173+/-0.013 χ^2/NDF : 435472.4/26

Left Out: 72.041+/-0.012 χ^2/NDF : 1269479.1/24

Right Out: 75.235+/-0.013 χ^2/NDF : 1103939.8/32

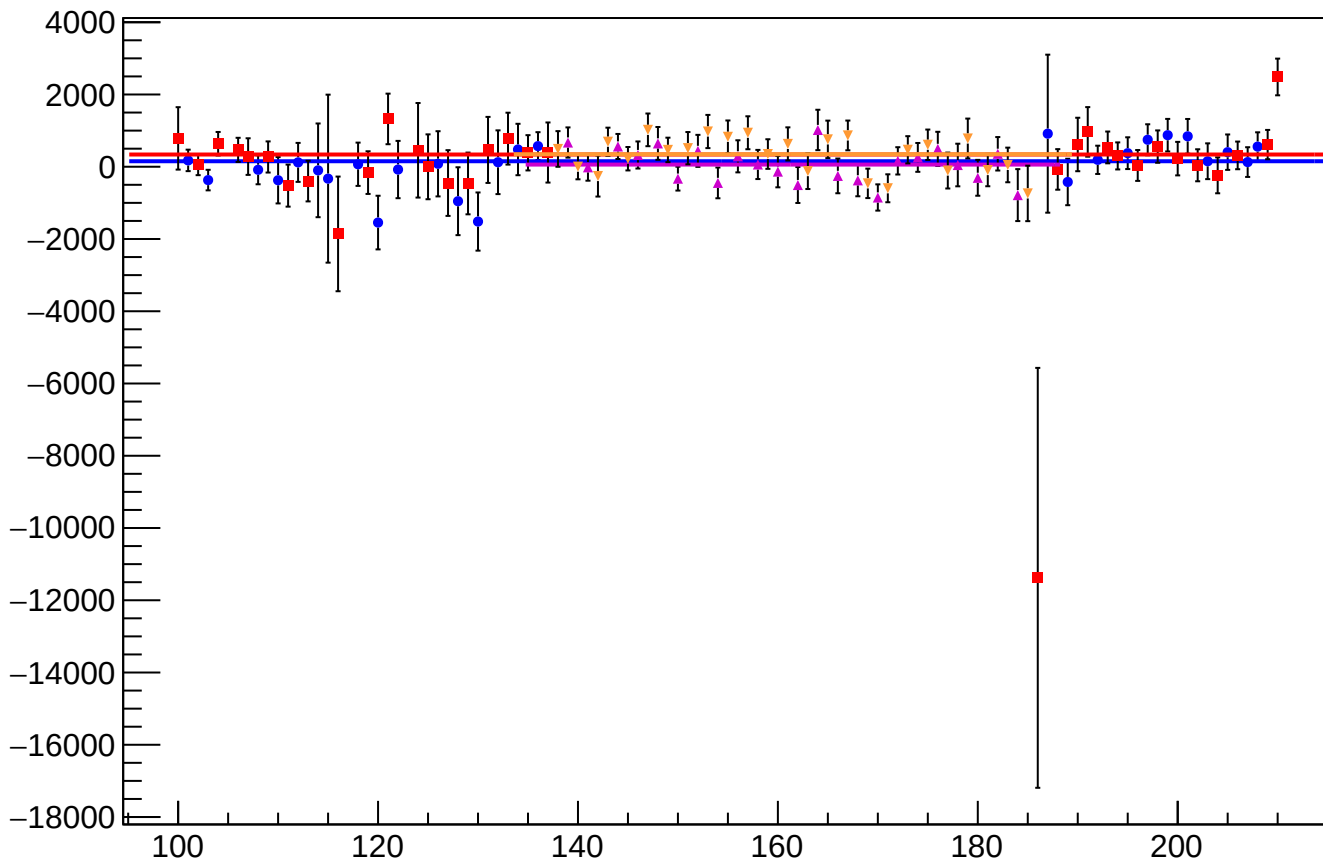
Left In: 72.092+/-0.012 χ^2/NDF : 1058847.4/22

+ sign 72.548+/-0.009 χ^2/NDF : 1709049.8/51

All: 73.070+/-0.006 χ^2/NDF : 3910699.8/107

- sign 73.593+/-0.009 χ^2/NDF : 2194593.6/55

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug



Right In: 152.264 $\pm$ 97.036 χ^2 /NDF: 25.9/26

Left Out: 345.972 $\pm$ 86.822 χ^2 /NDF: 28.9/24

Right Out: 338.505 $\pm$ 88.991 χ^2 /NDF: 39.7/32

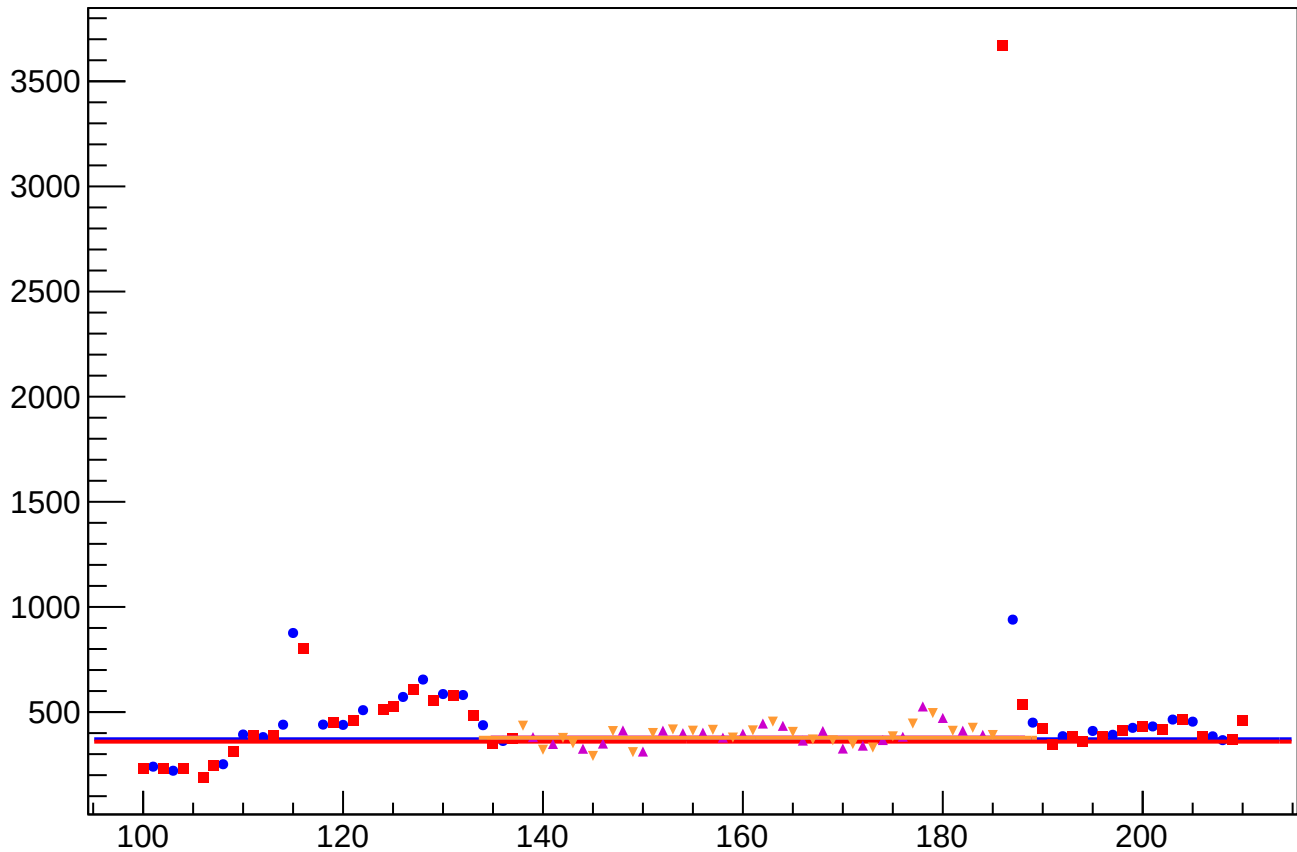
Left In: 59.907 $\pm$ 89.411 χ^2 /NDF: 25.8/22

+ sign 259.845 $\pm$ 64.703 χ^2 /NDF: 57.1/51

All: 229.090 $\pm$ 45.165 χ^2 /NDF: 128.0/107

- sign 199.863 $\pm$ 63.074 χ^2 /NDF: 70.4/55

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 370.611 $\pm$ 0.069 χ^2 /NDF: 2262958.8/26

Left Out: 377.796 $\pm$ 0.061 χ^2 /NDF: 636714.9/24

Right Out: 359.396 $\pm$ 0.063 χ^2 /NDF: 3347911.9/32

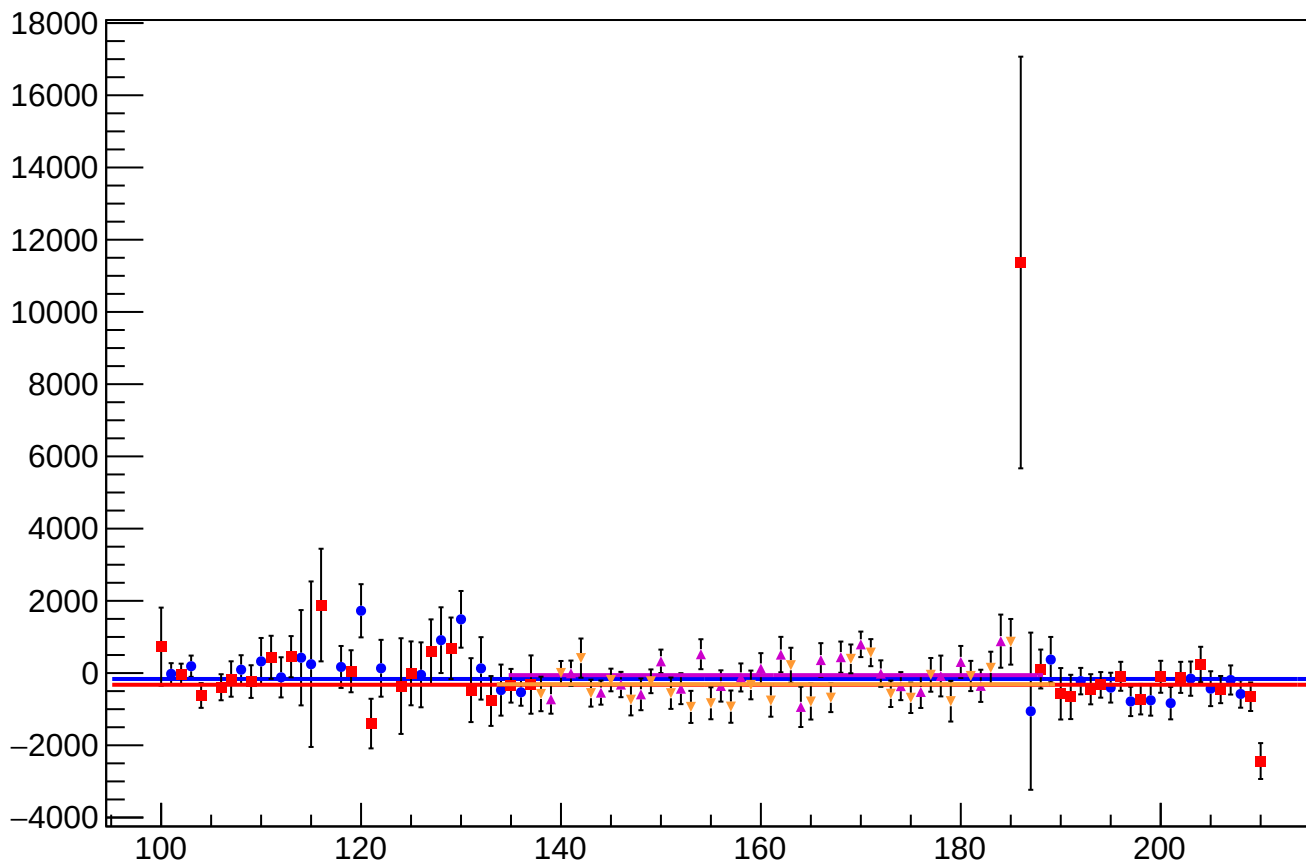
Left In: 378.869 $\pm$ 0.063 χ^2 /NDF: 527680.9/22

+ sign 374.601 $\pm$ 0.046 χ^2 /NDF: 2905764.4/51

All: 371.774 $\pm$ 0.032 χ^2 /NDF: 6836462.7/107

- sign 369.087 $\pm$ 0.045 χ^2 /NDF: 3923248.3/55

asym_sam_37_48_dd_mean vs Slug



Right In: -163.507 ± 94.963 χ^2/NDF : 26.3/26

Left Out: -309.330 ± 83.706 χ^2/NDF : 30.0/24

Right Out: -323.679 ± 88.171 χ^2/NDF : 41.5/32

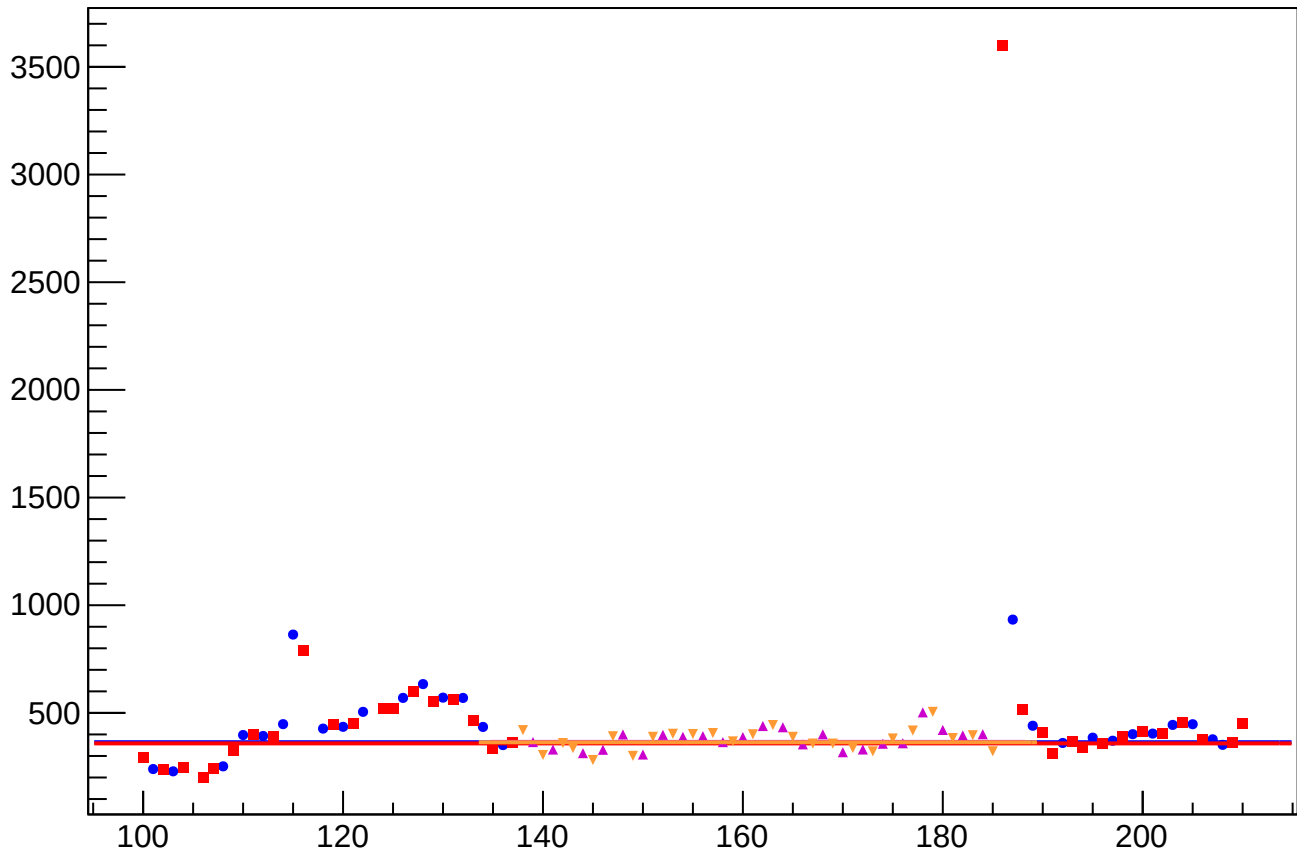
Left In: -57.543 ± 86.225 χ^2/NDF : 28.0/22

+ sign -245.570 ± 62.793 χ^2/NDF : 57.6/51

All: -216.072 ± 43.991 χ^2/NDF : 132.2/107

- sign -187.642 ± 61.647 χ^2/NDF : 74.1/55

asym_sam_37_48_dd_rms vs Slug



Right In: 363.897 $\pm$ 0.067 χ^2 /NDF: 2031619.3/26

Left Out: 363.714 $\pm$ 0.059 χ^2 /NDF:669244.7/24

Right Out: 358.388 $\pm$ 0.062 χ^2 /NDF: 2875877.8/32

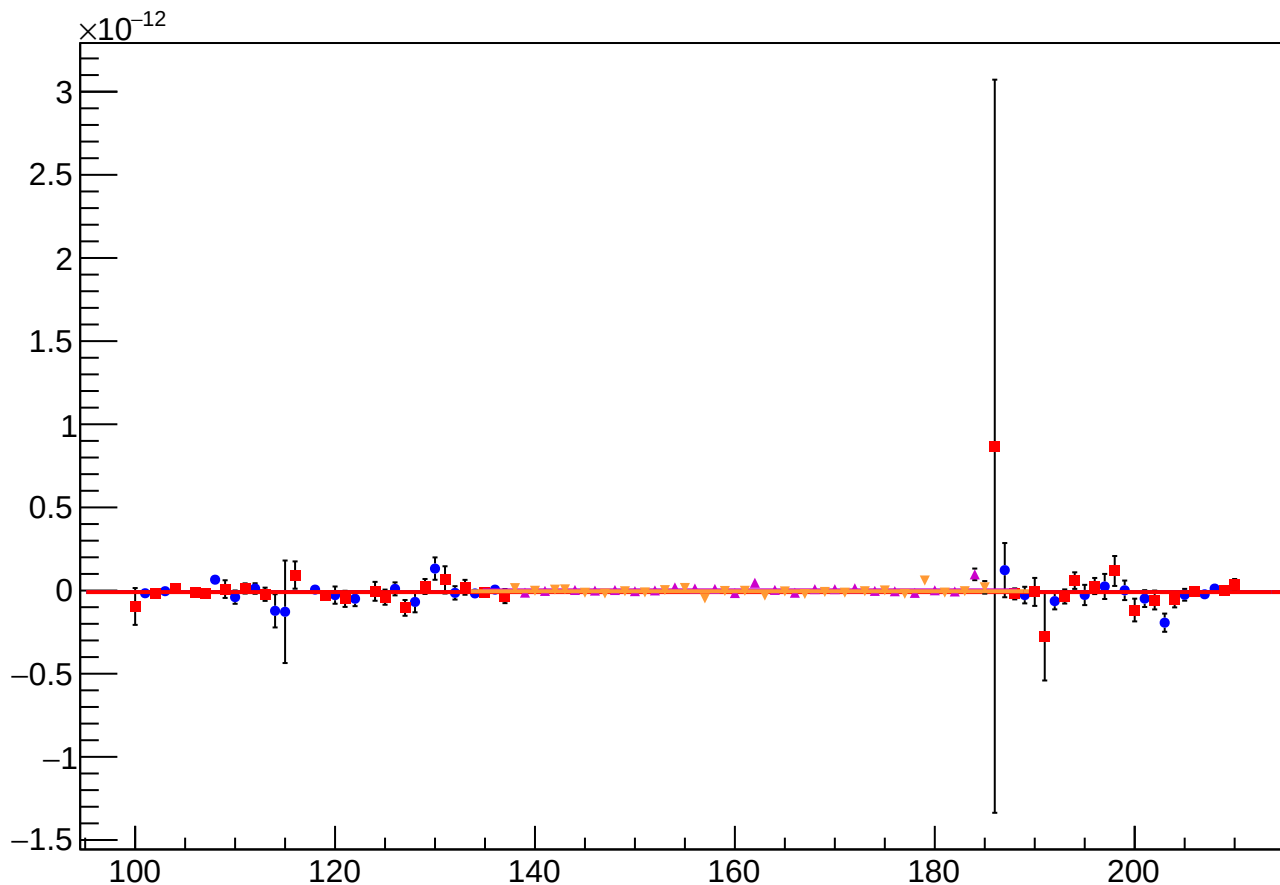
Left In: 365.324 $\pm$ 0.061 χ^2 /NDF:509496.4/22

+ sign 363.794 $\pm$ 0.044 χ^2 /NDF: 2700868.2/51

All: 362.847 $\pm$ 0.031 χ^2 /NDF: 6093462.3/107

- sign 361.933 $\pm$ 0.044 χ^2 /NDF: 3391700.0/55

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000 ± 0.000 χ^2/NDF : 21.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 25.1/32

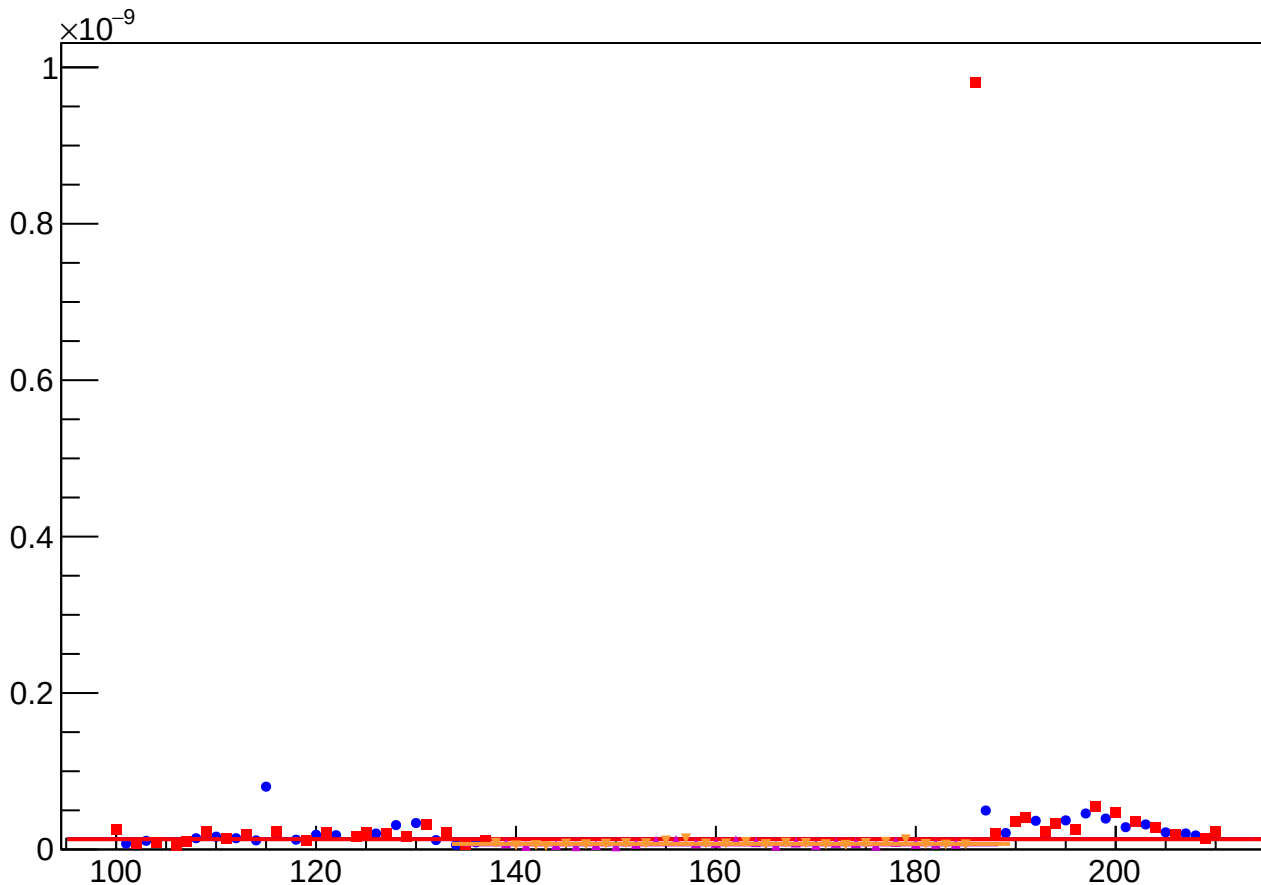
Left In: 0.000 ± 0.000 χ^2/NDF : 21.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 54.6/51

All: -0.000 ± 0.000 χ^2/NDF : 106.0/107

- sign -0.000 ± 0.000 χ^2/NDF : 49.7/55

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3951814.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 872904.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4867471.9/32

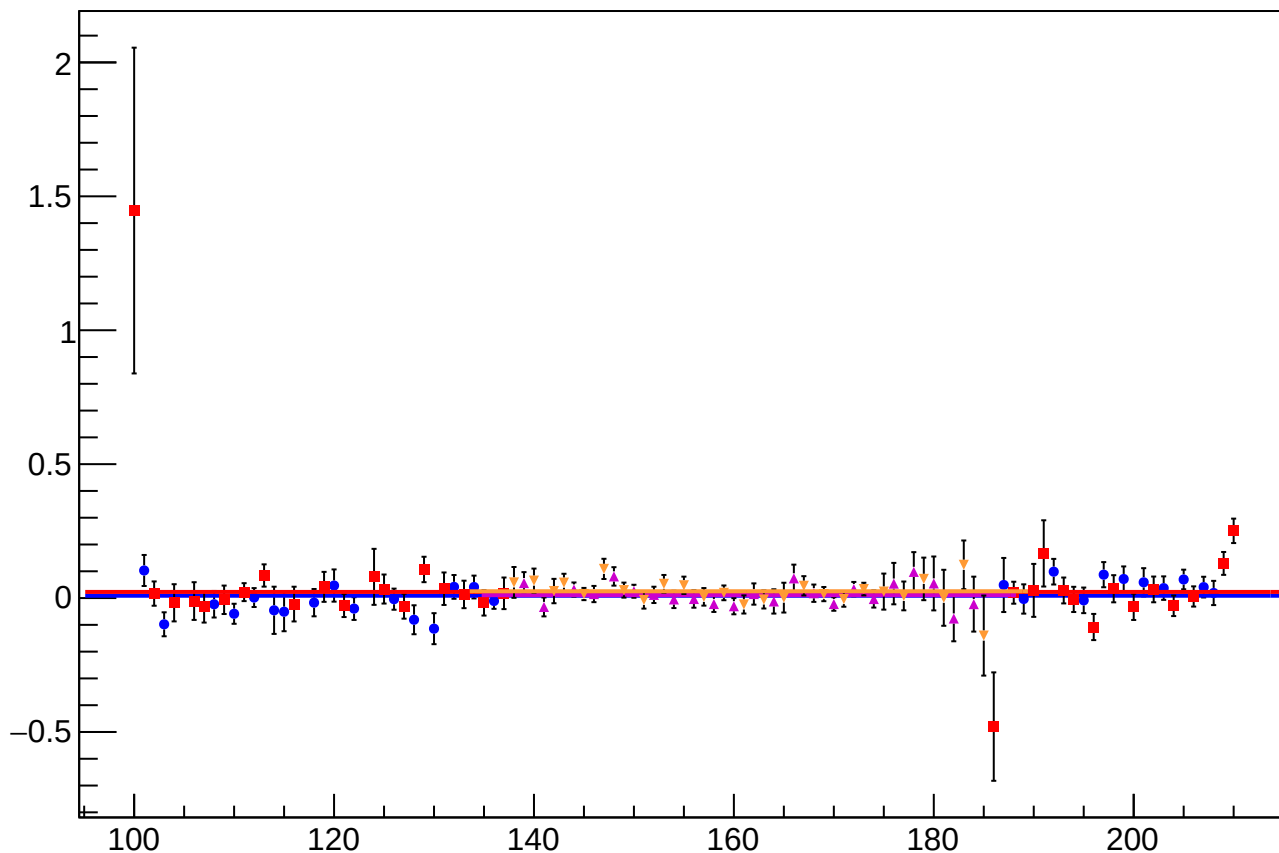
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1216388.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 6673654.0/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 15166841.9/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 8448950.8/55

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 ± 0.009 χ^2/NDF : 37.2/26

Left Out: 0.025 ± 0.007 χ^2/NDF : 17.4/24

Right Out: 0.023 ± 0.009 χ^2/NDF : 66.7/32

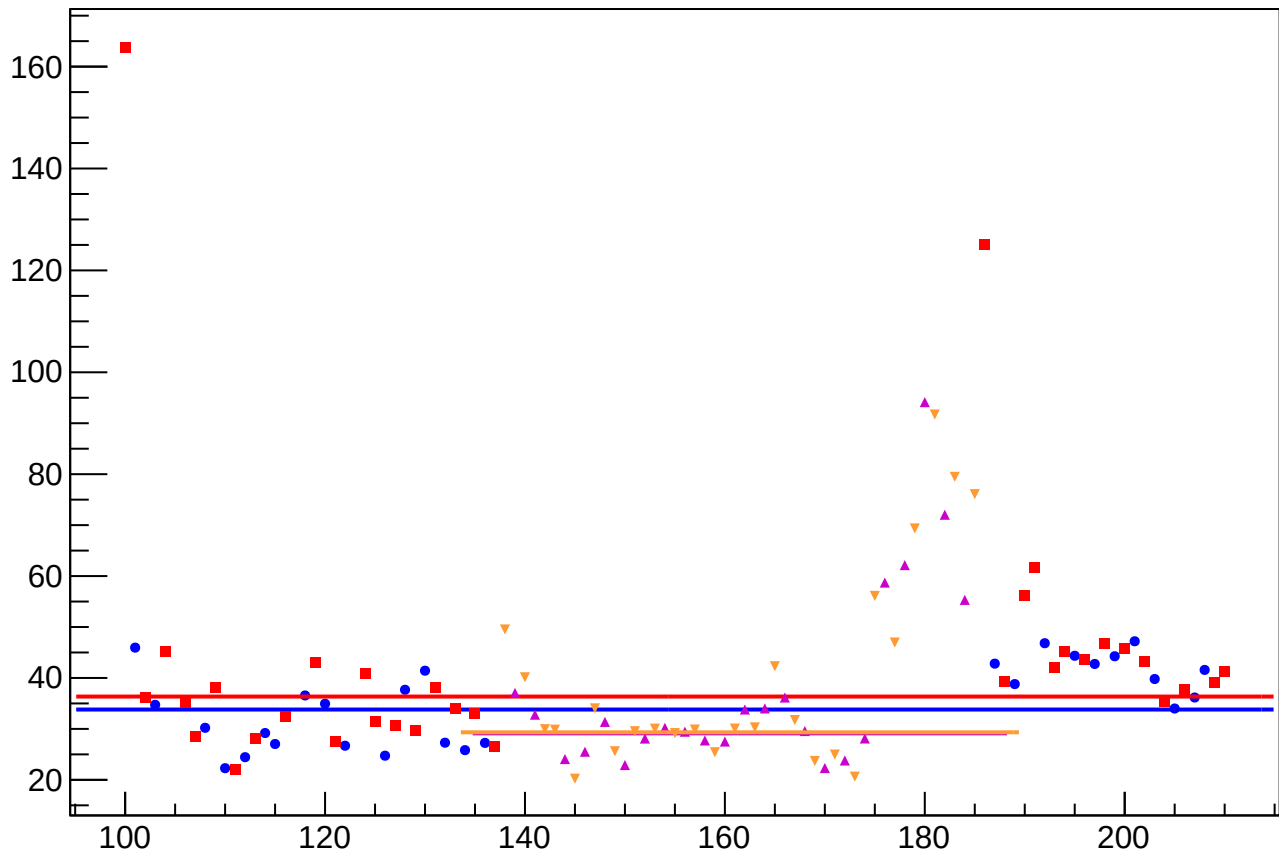
Left In: 0.011 ± 0.007 χ^2/NDF : 19.0/22

+ sign 0.019 ± 0.006 χ^2/NDF : 56.8/51

All: 0.017 ± 0.004 χ^2/NDF : 143.7/107

- sign 0.016 ± 0.006 χ^2/NDF : 86.8/55

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.802 $\pm$ 0.006 χ^2 /NDF: 1562124.7/26

Left Out: 29.335 $\pm$ 0.005 χ^2 /NDF: 3874774.5/24

Right Out: 36.351 $\pm$ 0.006 χ^2 /NDF: 1816242.6/32

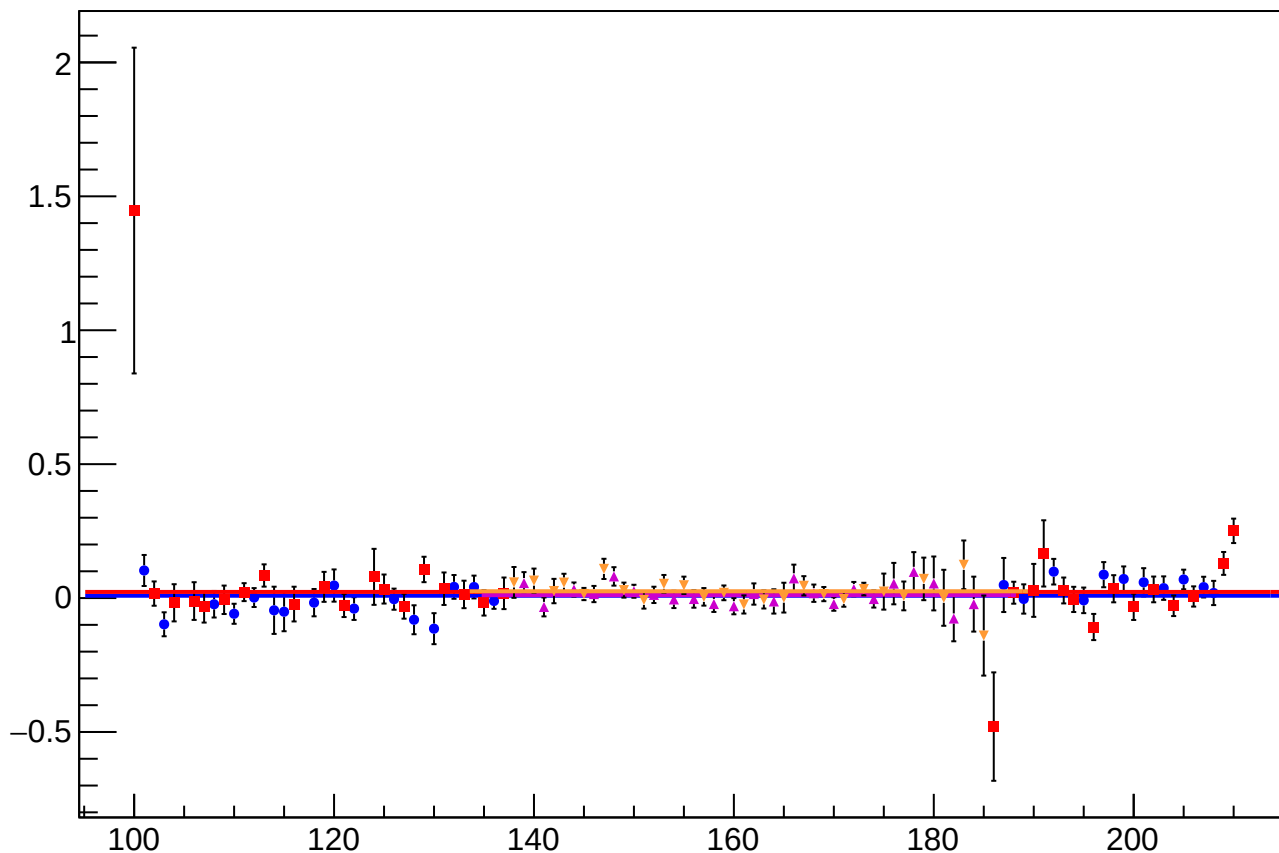
Left In: 29.125 $\pm$ 0.005 χ^2 /NDF: 2839115.6/22

+ sign 31.107 $\pm$ 0.004 χ^2 /NDF: 5744217.9/51

All: 31.558 $\pm$ 0.003 χ^2 /NDF: 11212544.4/107

- sign 32.021 $\pm$ 0.004 χ^2 /NDF: 5441793.7/55

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 ± 0.009 χ^2/NDF : 37.2/26

Left Out: 0.025 ± 0.007 χ^2/NDF : 17.4/24

Right Out: 0.023 ± 0.009 χ^2/NDF : 66.7/32

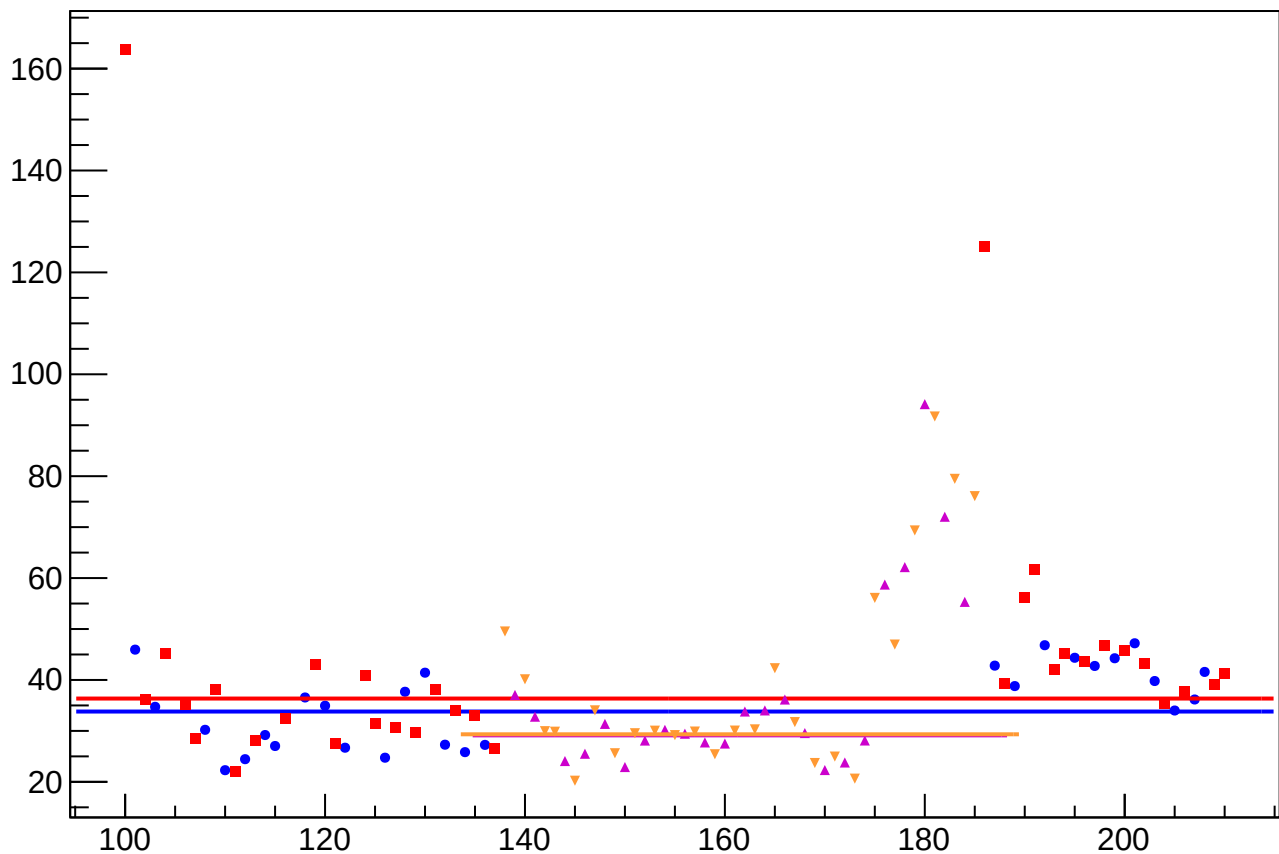
Left In: 0.011 ± 0.007 χ^2/NDF : 19.0/22

+ sign 0.019 ± 0.006 χ^2/NDF : 56.8/51

All: 0.017 ± 0.004 χ^2/NDF : 143.7/107

- sign 0.016 ± 0.006 χ^2/NDF : 86.8/55

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.802 $\pm$ 0.006 χ^2 /NDF: 1562124.7/26

Left Out: 29.335 $\pm$ 0.005 χ^2 /NDF: 3874774.5/24

Right Out: 36.351 $\pm$ 0.006 χ^2 /NDF: 1816242.6/32

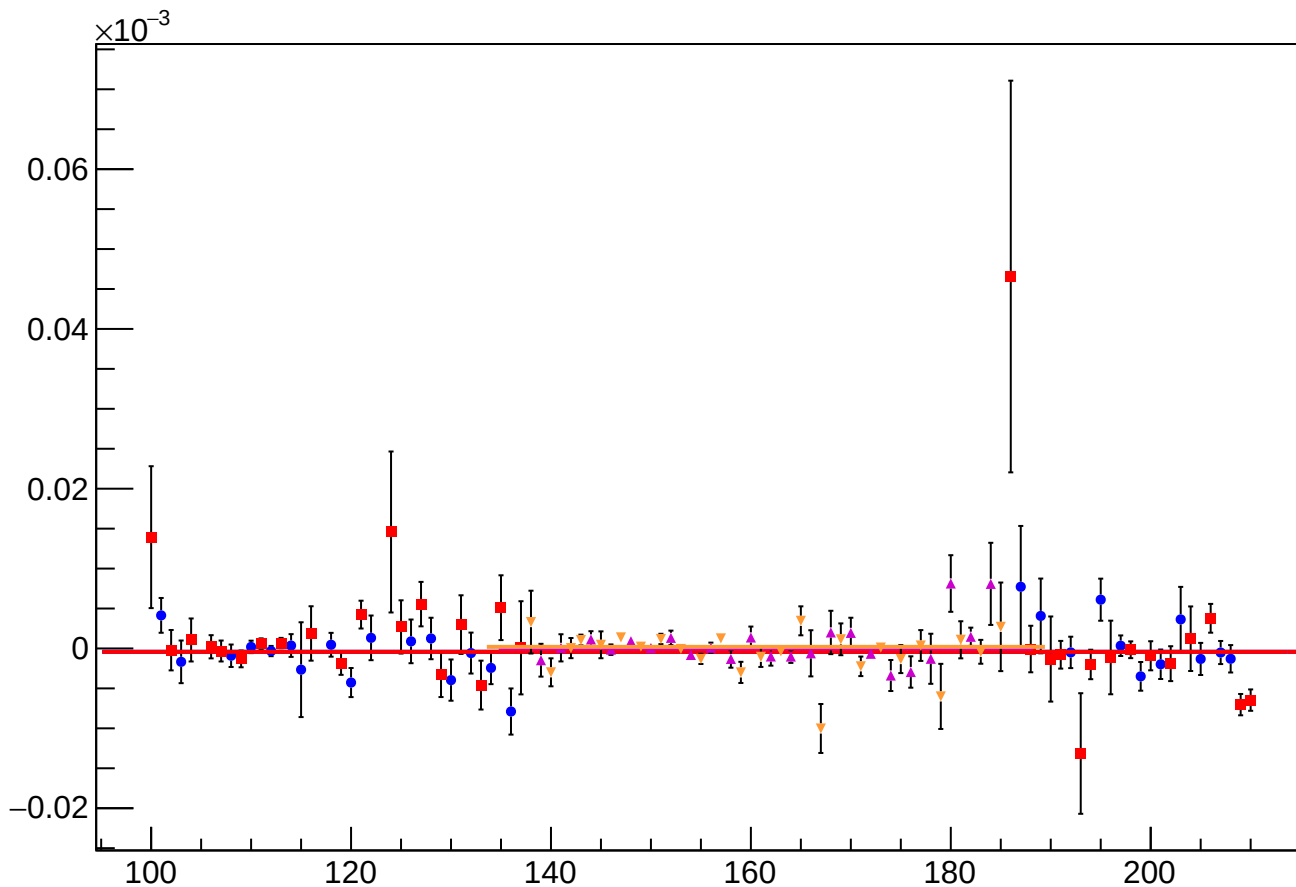
Left In: 29.125 $\pm$ 0.005 χ^2 /NDF: 2839115.6/22

+ sign 31.107 $\pm$ 0.004 χ^2 /NDF: 5744217.9/51

All: 31.558 $\pm$ 0.003 χ^2 /NDF: 11212544.4/107

- sign 32.021 $\pm$ 0.004 χ^2 /NDF: 5441793.7/55

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 34.9/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 52.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 89.1/32

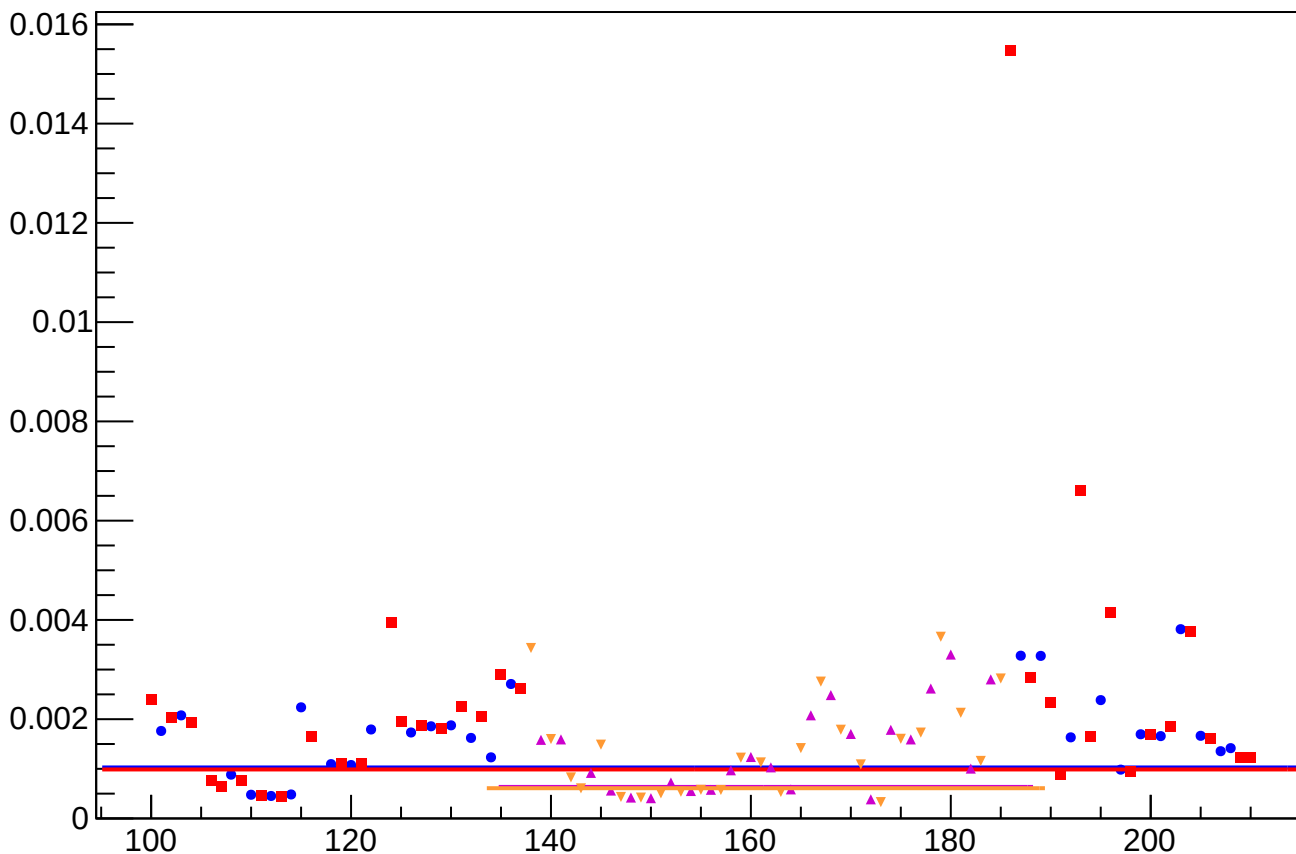
Left In: 0.000 ± 0.000 χ^2/NDF : 32.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 90.5/51

All: -0.000 ± 0.000 χ^2/NDF : 214.8/107

- sign -0.000 ± 0.000 χ^2/NDF : 123.6/55

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 8263430.8/26

Left Out: 0.001+/-0.000 χ^2/NDF : 10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF : 11218763.9/32

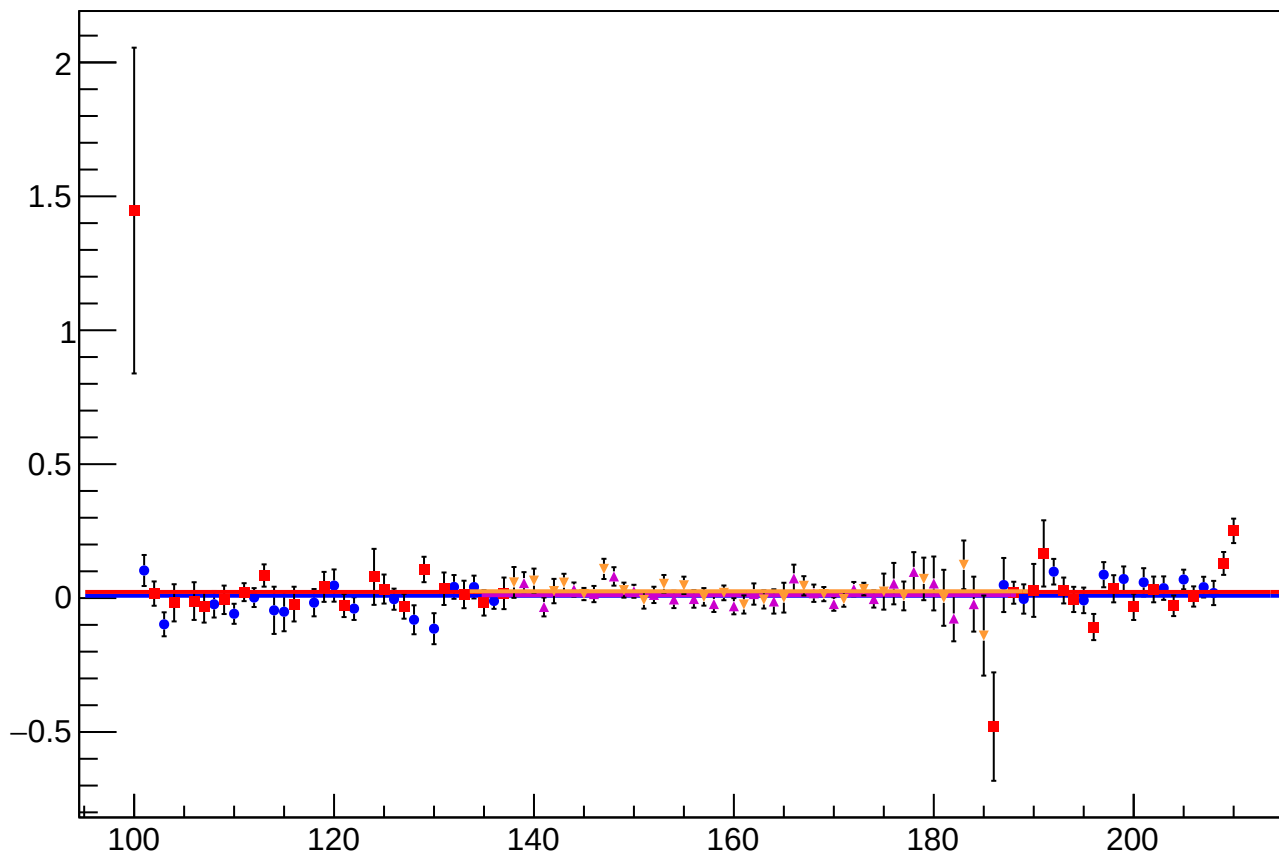
Left In: 0.001+/-0.000 χ^2/NDF : 9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF : 21967768.2/51

All: 0.001+/-0.000 χ^2/NDF : 44740750.1/107

- sign 0.001+/-0.000 χ^2/NDF : 22726756.2/55

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 ± 0.009 χ^2/NDF : 37.2/26

Left Out: 0.025 ± 0.007 χ^2/NDF : 17.4/24

Right Out: 0.023 ± 0.009 χ^2/NDF : 66.7/32

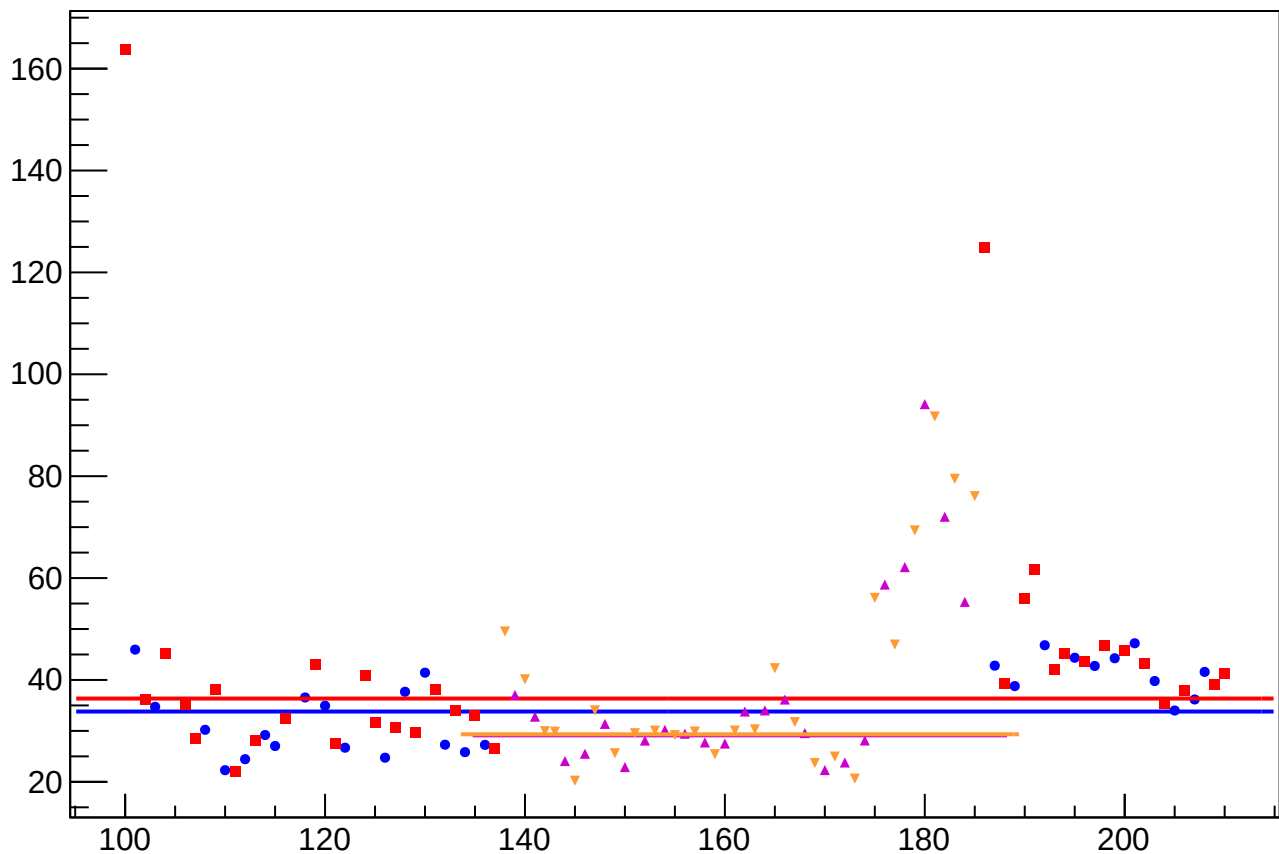
Left In: 0.011 ± 0.007 χ^2/NDF : 19.0/22

+ sign 0.019 ± 0.006 χ^2/NDF : 56.8/51

All: 0.017 ± 0.004 χ^2/NDF : 143.7/107

- sign 0.016 ± 0.006 χ^2/NDF : 86.8/55

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 33.802 $\pm$ 0.006 χ^2 /NDF: 1562058.7/26

Left Out: 29.334 $\pm$ 0.005 χ^2 /NDF: 3874839.0/24

Right Out: 36.352 $\pm$ 0.006 χ^2 /NDF: 1816137.1/32

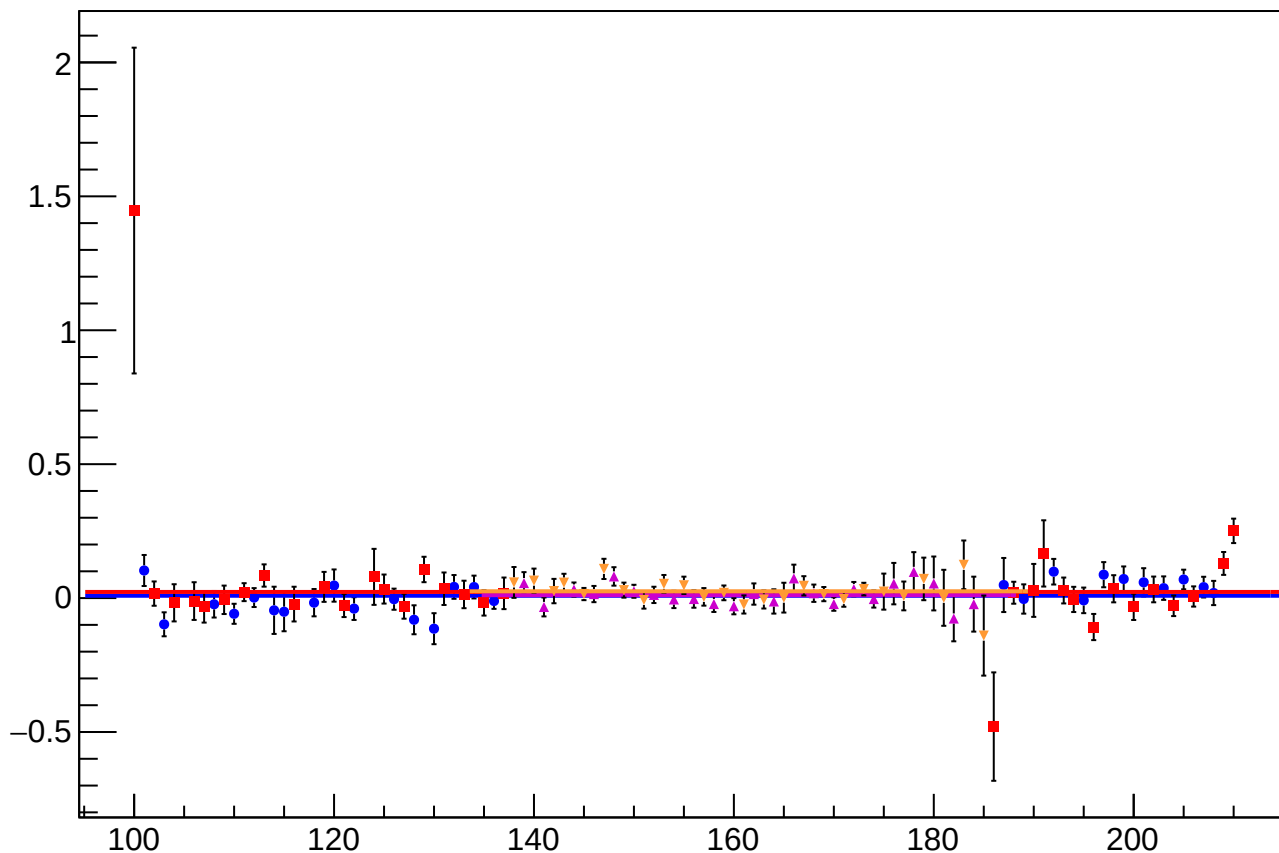
Left In: 29.124 $\pm$ 0.005 χ^2 /NDF: 2839078.4/22

+ sign 31.107 $\pm$ 0.004 χ^2 /NDF: 5744250.2/51

All: 31.558 $\pm$ 0.003 χ^2 /NDF: 11212486.9/107

- sign 32.021 $\pm$ 0.004 χ^2 /NDF: 5441702.1/55

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.009 χ^2 /NDF: 37.2/26

Left Out: 0.025 $\pm$ 0.007 χ^2 /NDF:17.4/24

Right Out: 0.023 $\pm$ 0.009 χ^2 /NDF: 66.7/32

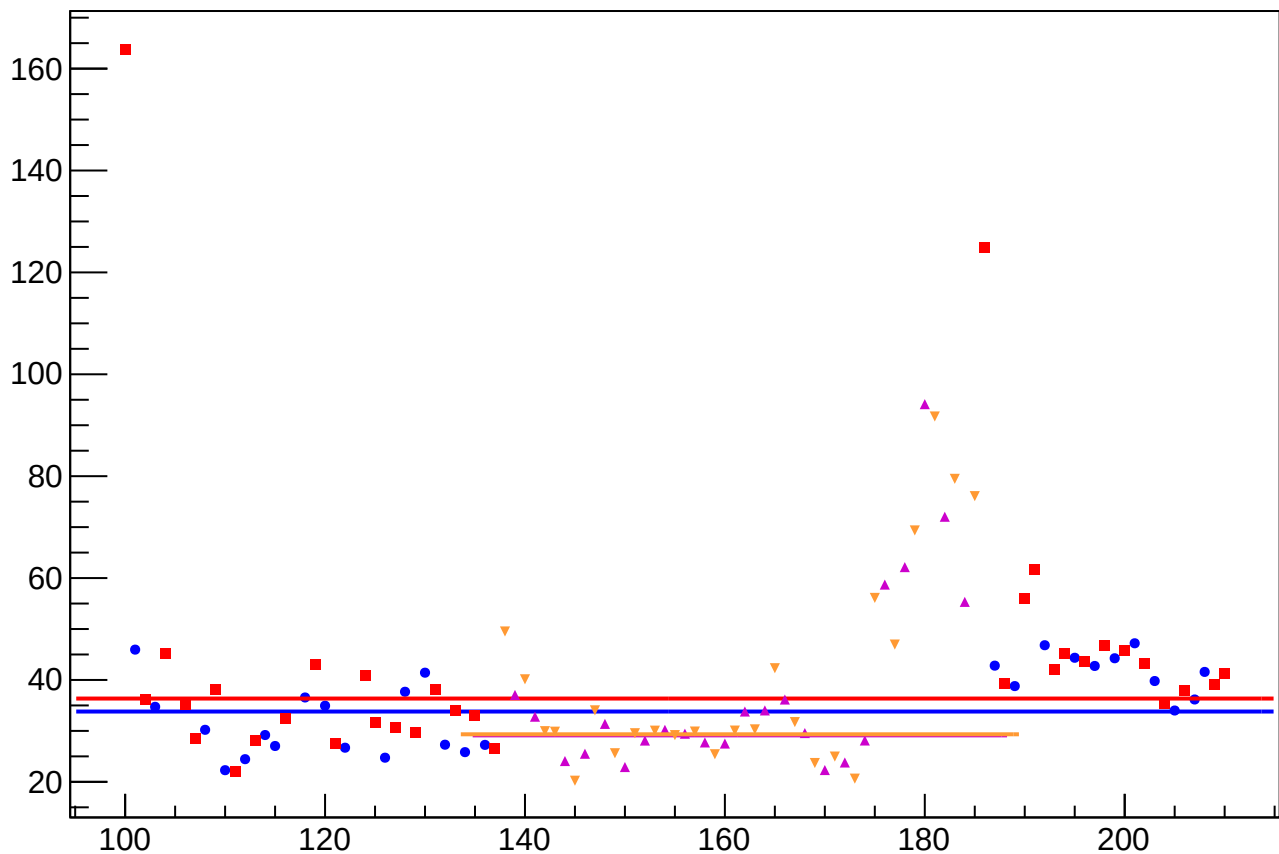
Left In: 0.011 $\pm$ 0.007 χ^2 /NDF:19.0/22

+ sign 0.019 $\pm$ 0.006 χ^2 /NDF: 56.8/51

All: 0.017 $\pm$ 0.004 χ^2 /NDF: 143.7/107

- sign 0.016 $\pm$ 0.006 χ^2 /NDF: 86.8/55

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.802 $\pm$ 0.006 χ^2 /NDF: 1562058.7/26

Left Out: 29.334 $\pm$ 0.005 χ^2 /NDF: 3874839.0/24

Right Out: 36.352 $\pm$ 0.006 χ^2 /NDF: 1816137.1/32

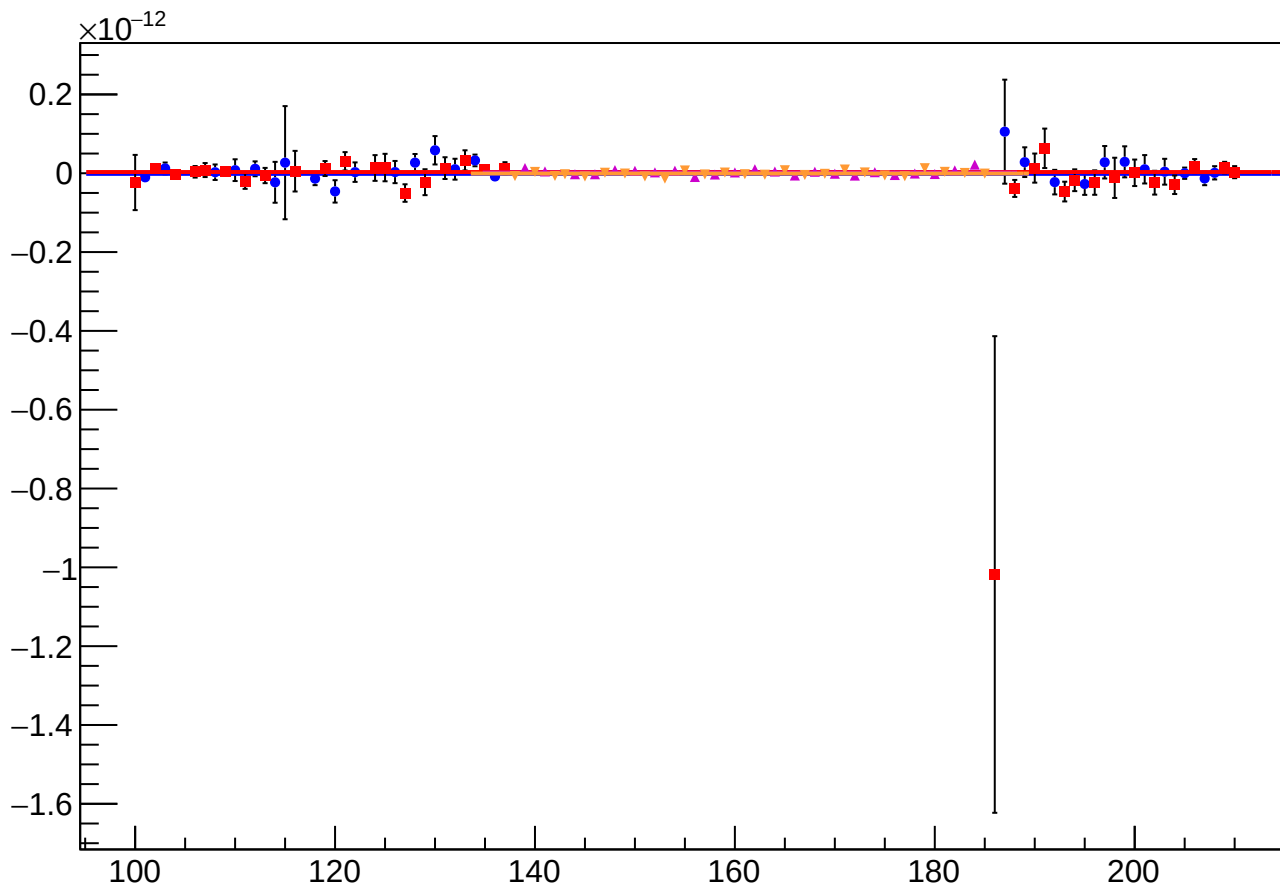
Left In: 29.124 $\pm$ 0.005 χ^2 /NDF: 2839078.4/22

+ sign 31.107 $\pm$ 0.004 χ^2 /NDF: 5744250.2/51

All: 31.558 $\pm$ 0.003 χ^2 /NDF: 11212486.9/107

- sign 32.021 $\pm$ 0.004 χ^2 /NDF: 5441702.1/55

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 21.3/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 15.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 31.2/32

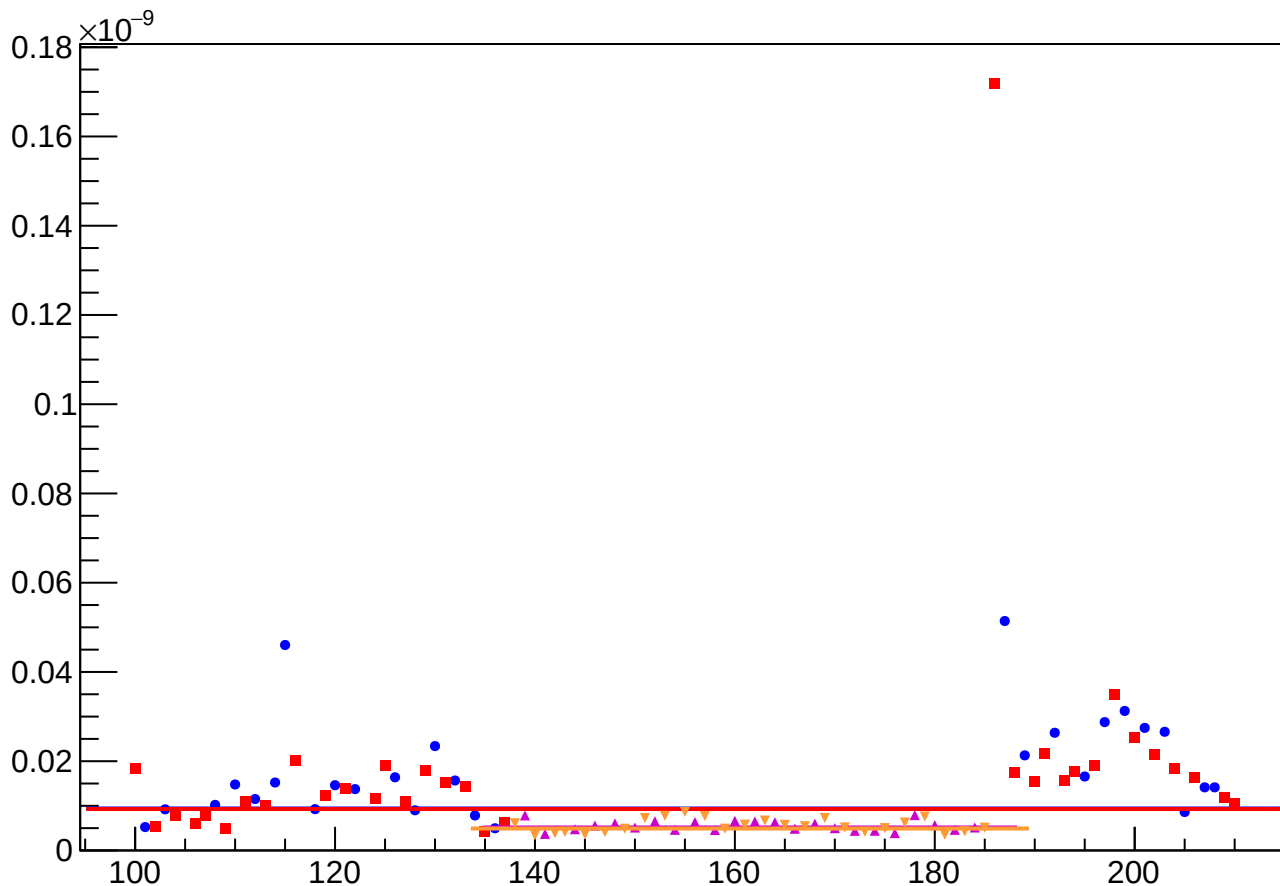
Left In: 0.000 ± 0.000 χ^2/NDF : 16.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 36.4/51

All: 0.000 ± 0.000 χ^2/NDF : 86.4/107

- sign 0.000 ± 0.000 χ^2/NDF : 47.9/55

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6017702.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1871499.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5708899.3/32

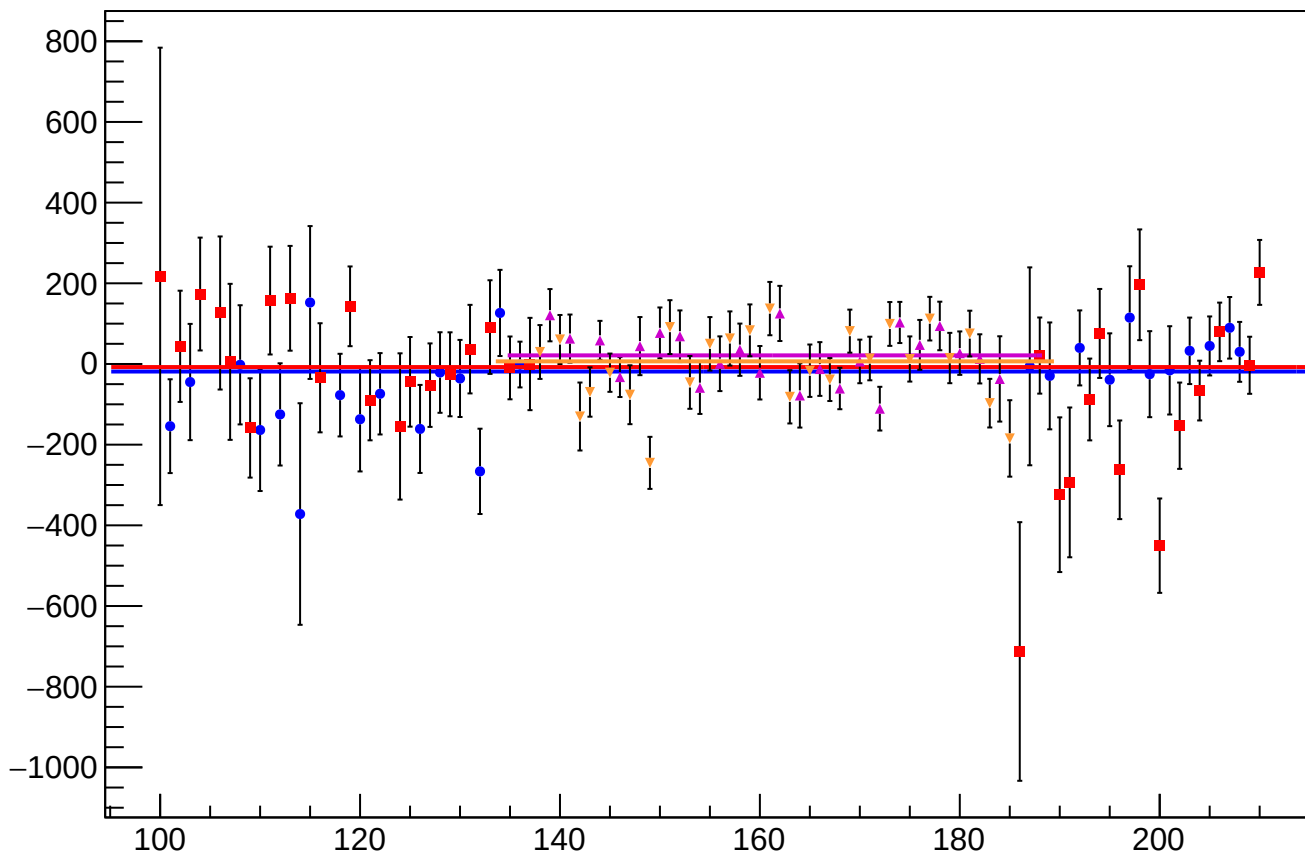
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:976775.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10858258.6/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 20387293.0/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9474247.6/55

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -18.682 ± 19.859 χ^2/NDF : 21.2/26

Left Out: 6.523 ± 12.287 χ^2/NDF : 50.6/24

Right Out: -7.643 ± 19.385 χ^2/NDF : 56.7/32

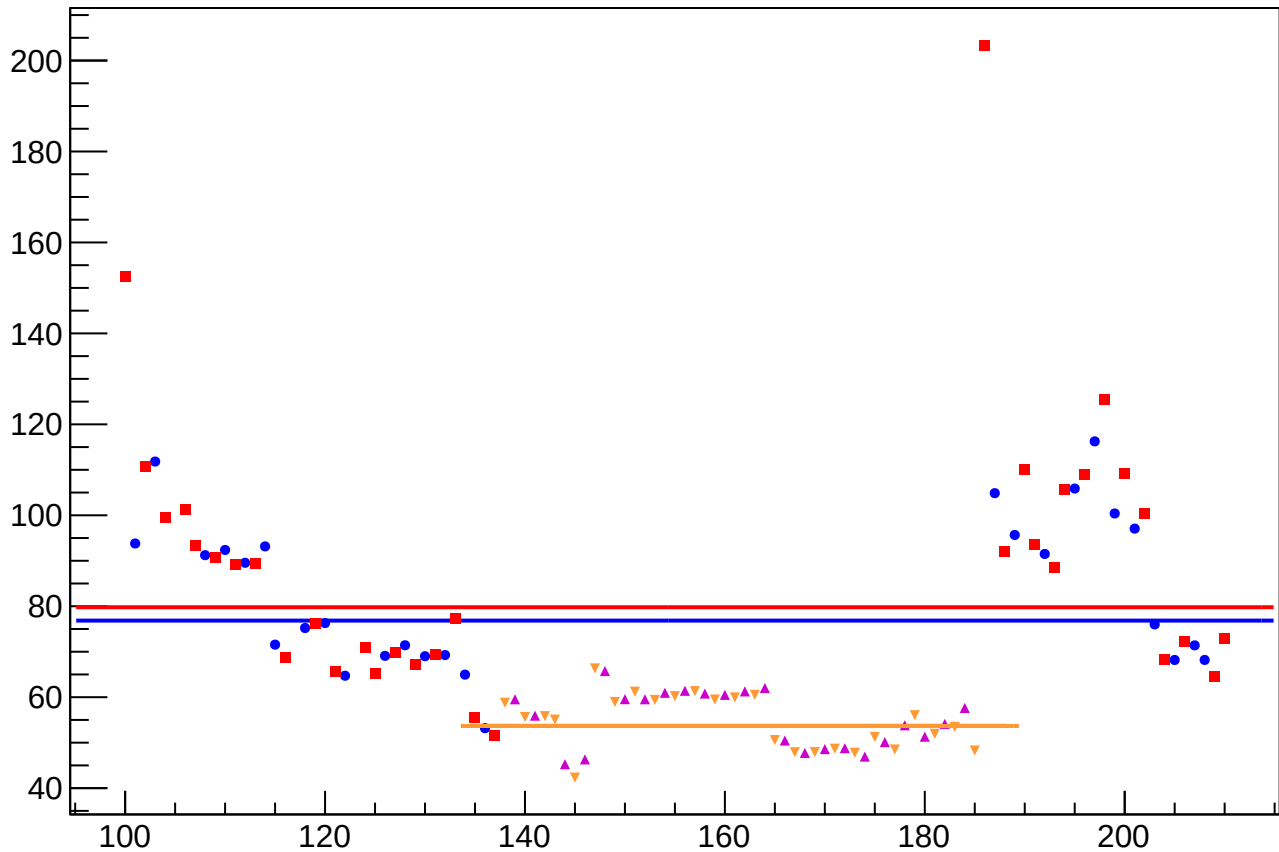
Left In: 21.336 ± 12.649 χ^2/NDF : 25.4/22

+ sign -0.455 ± 10.449 χ^2/NDF : 73.0/51

All: 6.023 ± 7.439 χ^2/NDF : 157.4/107

- sign 12.681 ± 10.593 χ^2/NDF : 83.6/55

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 76.843 ± 0.014 $\chi^2/\text{NDF}: 1338151.6/26$

Left Out: 53.666 ± 0.009 $\chi^2/\text{NDF}: 472206.8/24$

Right Out: 79.783 ± 0.014 $\chi^2/\text{NDF}: 1955453.5/32$

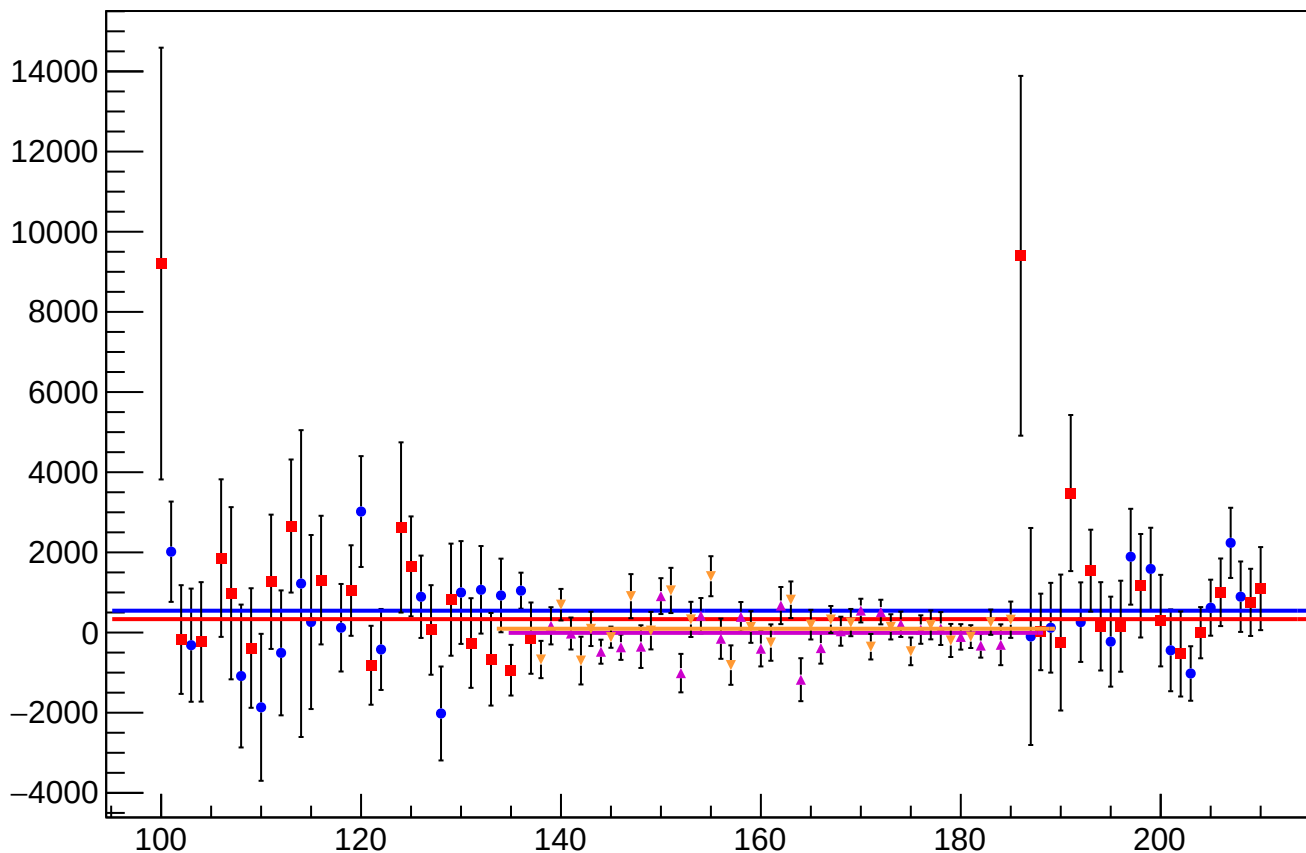
Left In: 53.695 ± 0.009 $\chi^2/\text{NDF}: 471343.7/22$

+ sign 60.082 ± 0.007 $\chi^2/\text{NDF}: 3780461.5/51$

All: 60.774 ± 0.005 $\chi^2/\text{NDF}: 8765807.7/107$

- sign 61.486 ± 0.007 $\chi^2/\text{NDF}: 4967542.2/55$

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 545.037 $\pm$ 195.339 χ^2 /NDF: 29.0/26

Left Out: 95.456 $\pm$ 77.134 χ^2 /NDF:33.2/24

Right Out: 334.518 $\pm$ 199.373 χ^2 /NDF: 27.3/32

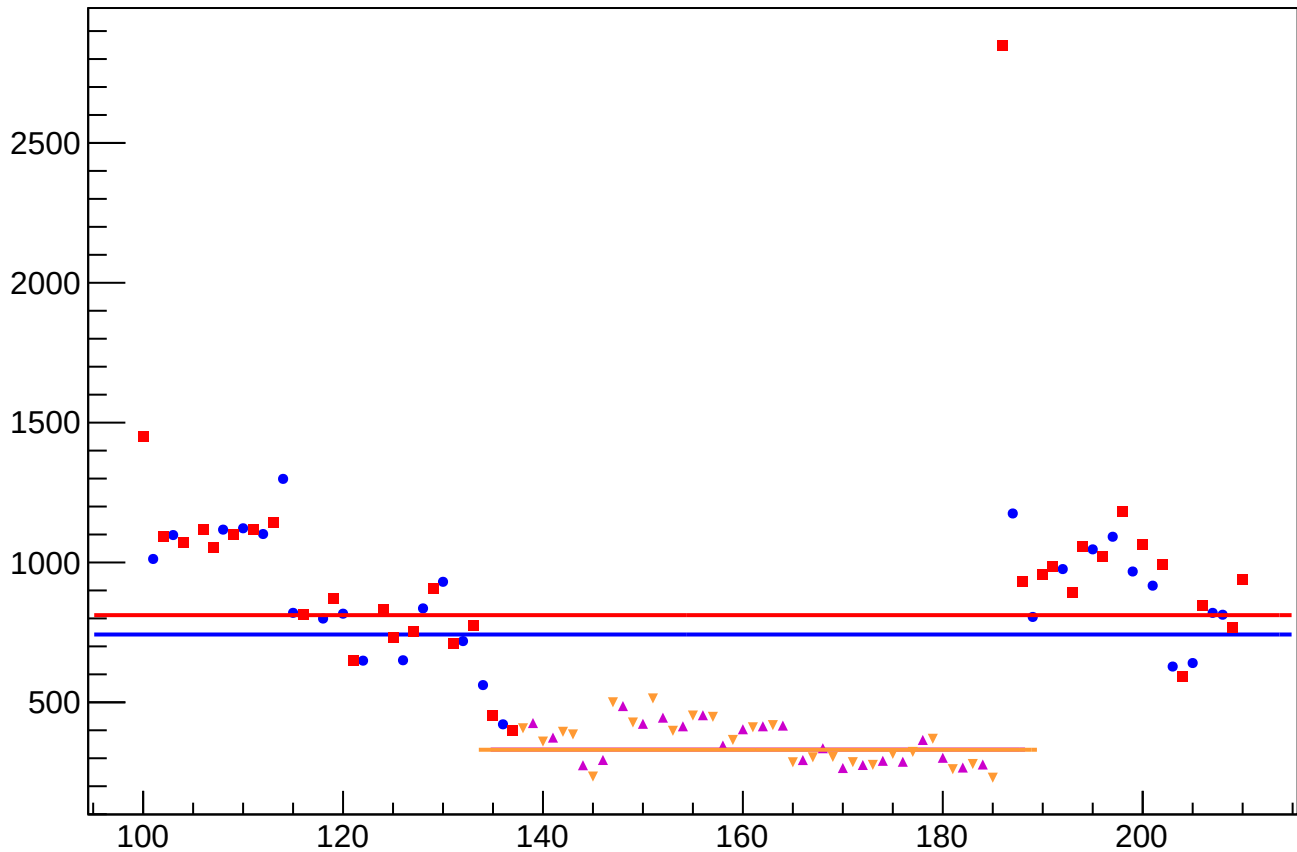
Left In: -7.879 $\pm$ 79.125 χ^2 /NDF:32.3/22

+ sign 156.101 $\pm$ 71.743 χ^2 /NDF: 66.7/51

All: 98.862 $\pm$ 51.355 χ^2 /NDF: 130.2/107

- sign 38.712 $\pm$ 73.545 χ^2 /NDF: 62.2/55

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 742.458 $\pm$ 0.138 χ^2 /NDF: 2515403.5/26

Left Out: 330.405 $\pm$ 0.055 χ^2 /NDF: 1752470.5/24

Right Out: 811.682 $\pm$ 0.141 χ^2 /NDF: 2904353.8/32

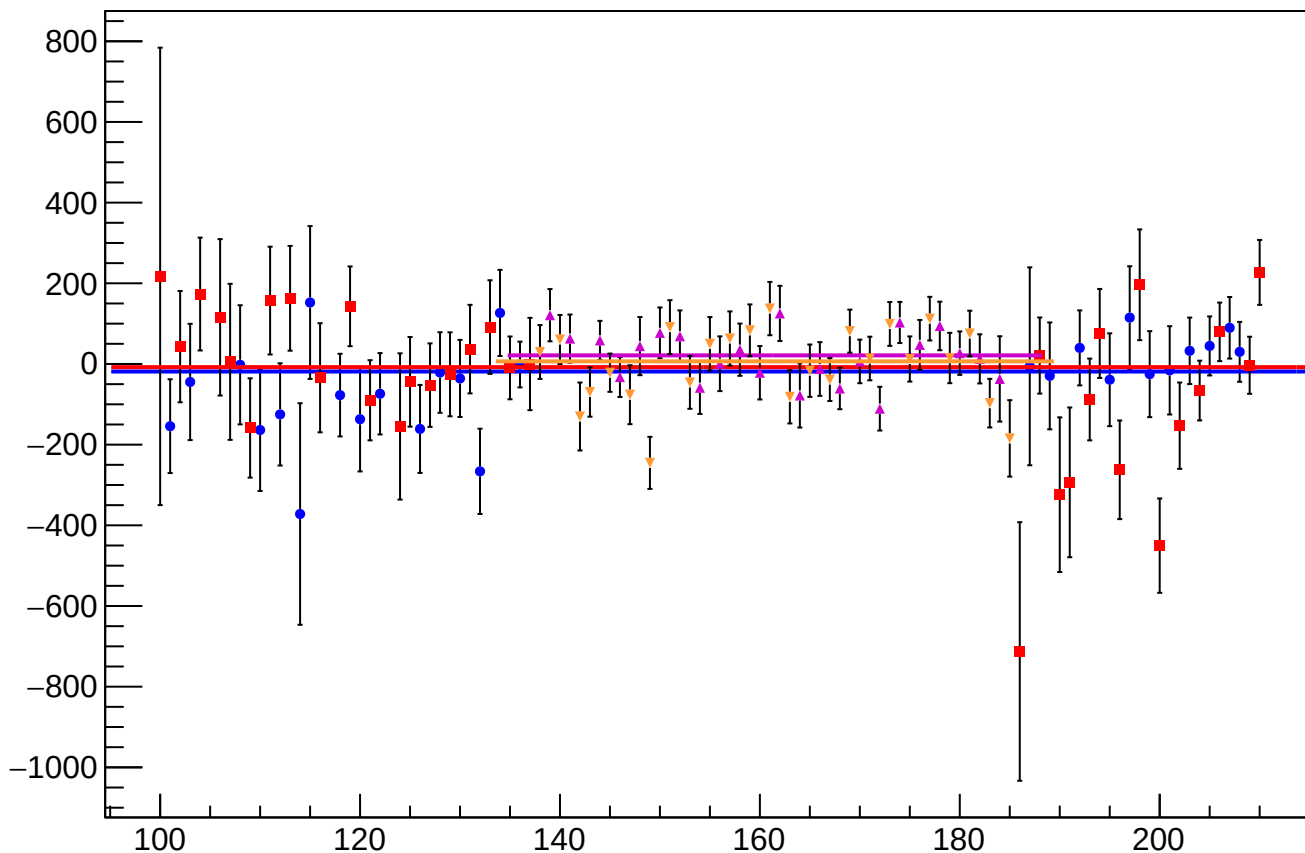
Left In: 331.059 $\pm$ 0.056 χ^2 /NDF: 1325602.5/22

+ sign 385.988 $\pm$ 0.051 χ^2 /NDF: 11966757.6/51

All: 391.094 $\pm$ 0.036 χ^2 /NDF: 26258648.2/10

- sign 396.459 $\pm$ 0.052 χ^2 /NDF: 14271116.6/55

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -18.672 ± 19.859 χ^2/NDF : 21.2/26

Left Out: 6.526 ± 12.287 χ^2/NDF : 50.6/24

Right Out: -7.826 ± 19.389 χ^2/NDF : 56.6/32

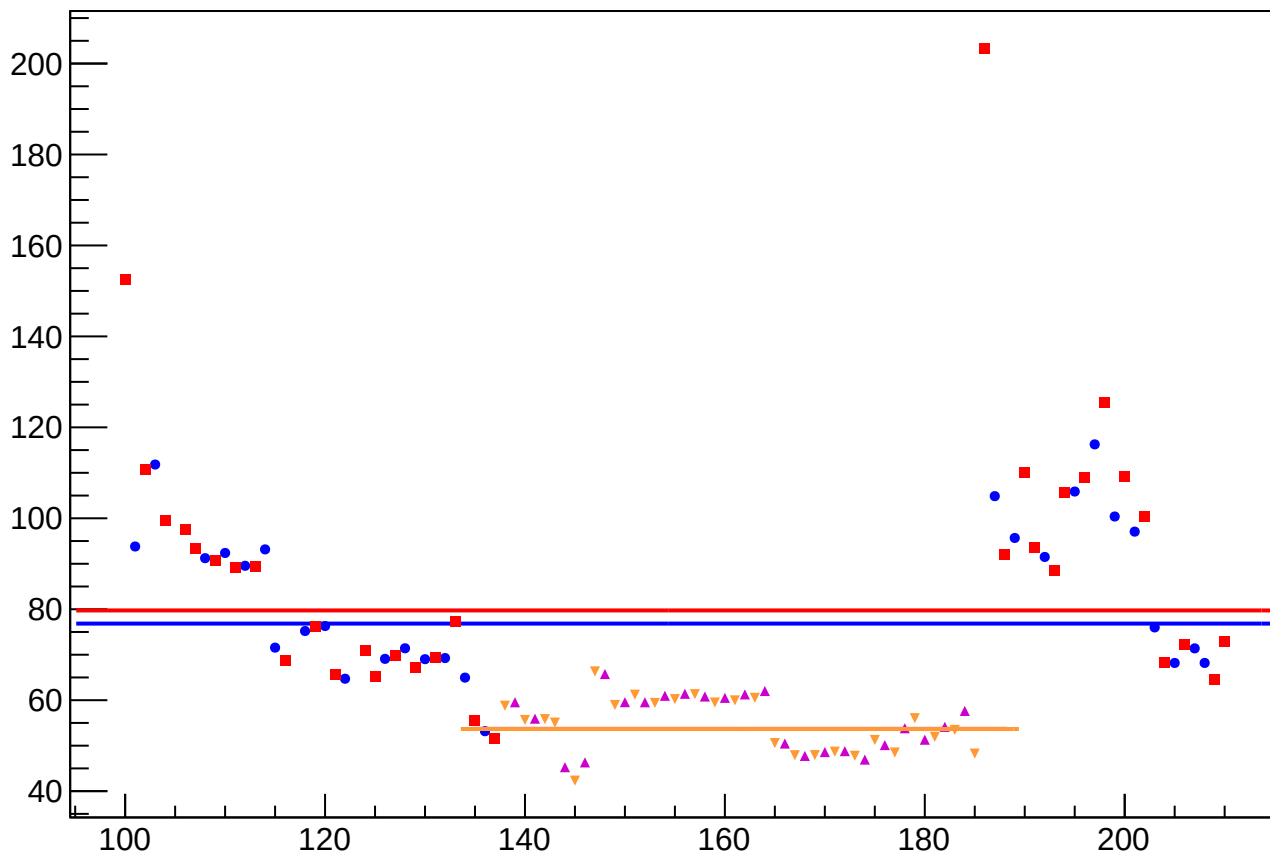
Left In: 21.335 ± 12.649 χ^2/NDF : 25.4/22

+ sign -0.450 ± 10.449 χ^2/NDF : 73.0/51

All: 5.999 ± 7.439 χ^2/NDF : 157.3/107

- sign 12.629 ± 10.594 χ^2/NDF : 83.5/55

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 76.843 ± 0.014 $\chi^2/\text{NDF}: 1338153.9/26$

Left Out: 53.666 ± 0.009 $\chi^2/\text{NDF}: 472206.8/24$

Right Out: 79.738 ± 0.014 $\chi^2/\text{NDF}: 1946946.9/32$

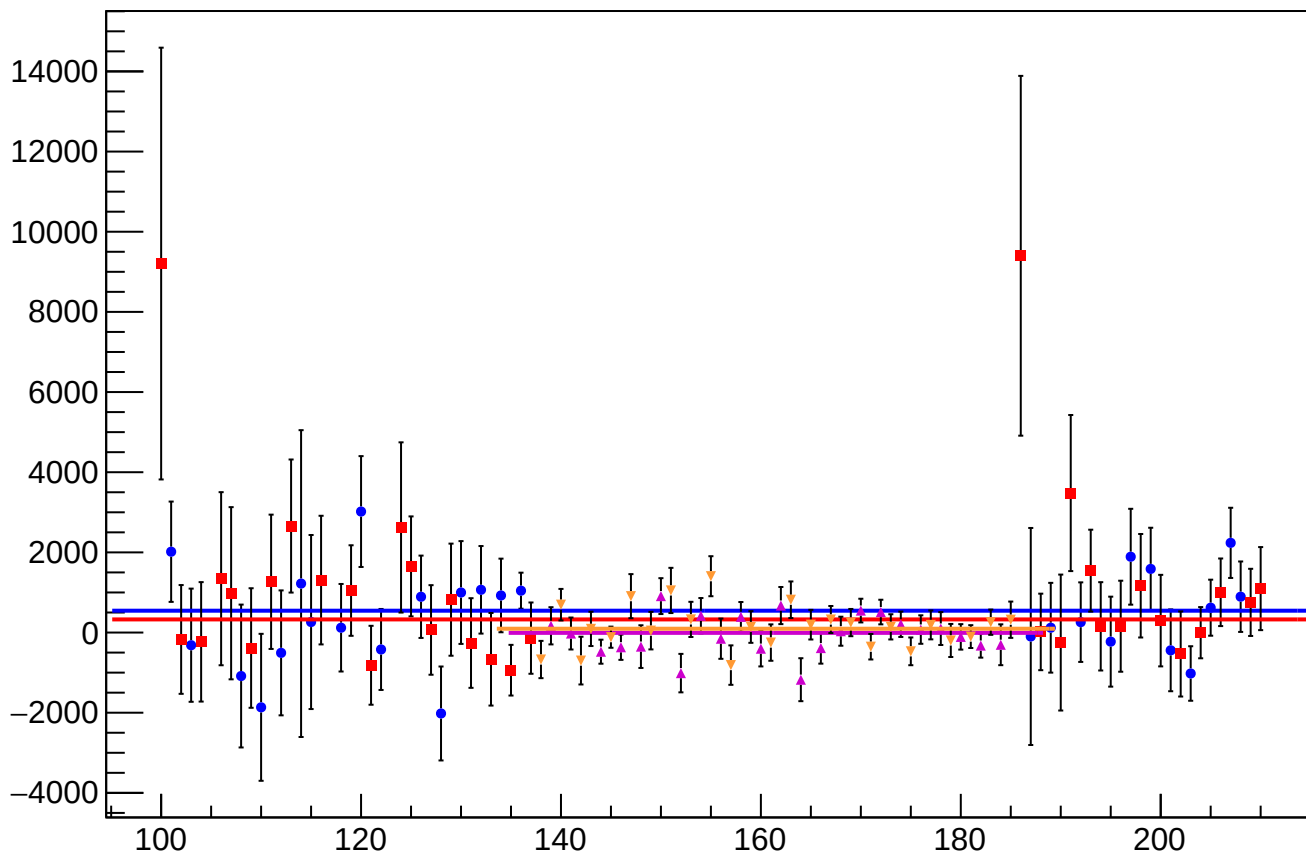
Left In: 53.695 ± 0.009 $\chi^2/\text{NDF}: 471343.7/22$

+ sign 60.082 ± 0.007 $\chi^2/\text{NDF}: 3780464.1/51$

All: 60.766 ± 0.005 $\chi^2/\text{NDF}: 8747137.6/107$

- sign 61.470 ± 0.007 $\chi^2/\text{NDF}: 4949280.2/55$

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 545.035 $\pm$ 195.339 χ^2 /NDF: 29.0/26

Left Out: 95.458 $\pm$ 77.134 χ^2 /NDF:33.2/24

Right Out: 327.516 $\pm$ 199.552 χ^2 /NDF: 26.9/32

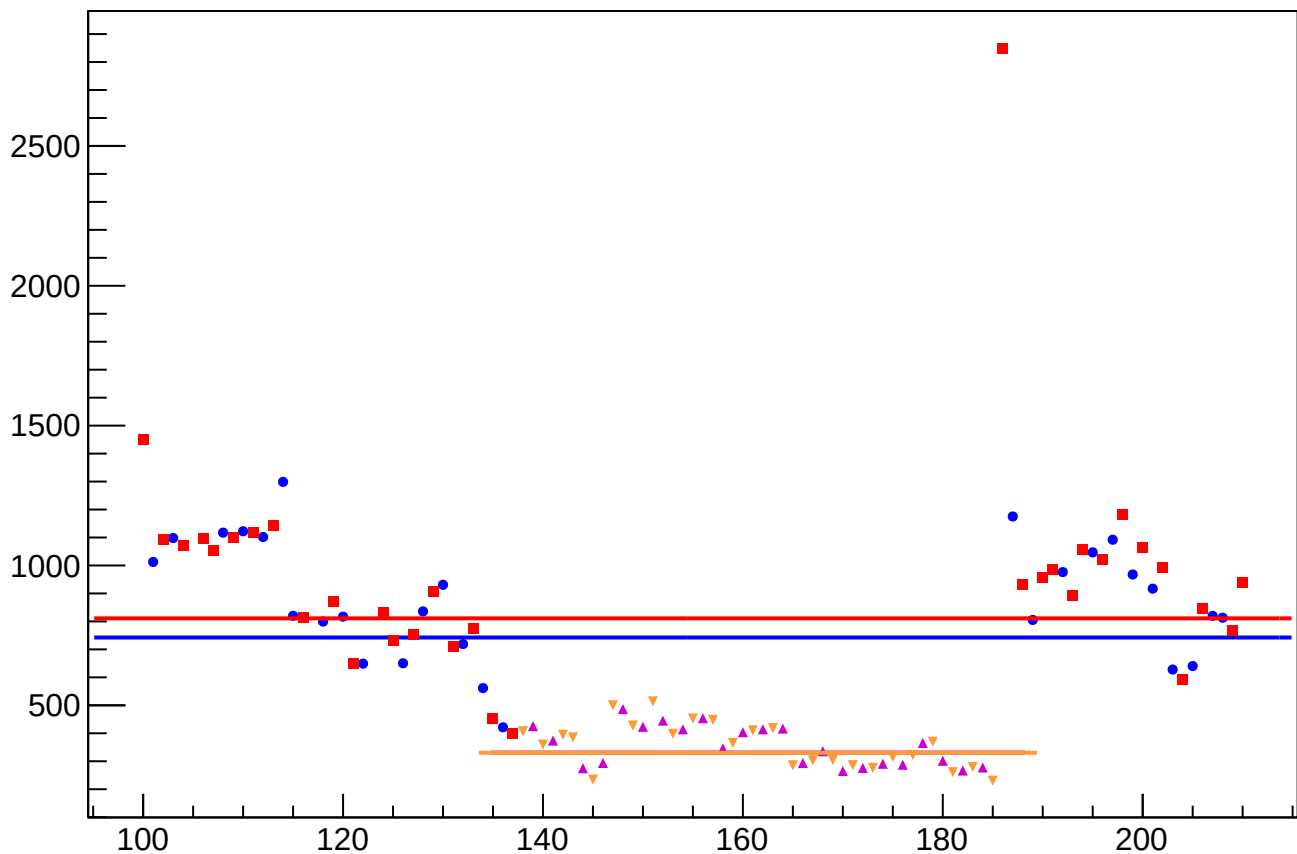
Left In: -7.875 $\pm$ 79.125 χ^2 /NDF:32.3/22

+ sign 156.103 $\pm$ 71.743 χ^2 /NDF: 66.7/51

All: 98.373 $\pm$ 51.358 χ^2 /NDF: 129.7/107

- sign 37.692 $\pm$ 73.554 χ^2 /NDF: 61.7/55

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 742.458 $\pm$ 0.138 χ^2 /NDF: 2515426.7/26

Left Out: 330.405 $\pm$ 0.055 χ^2 /NDF: 1752469.2/24

Right Out: 810.953 $\pm$ 0.141 χ^2 /NDF: 2890539.1/32

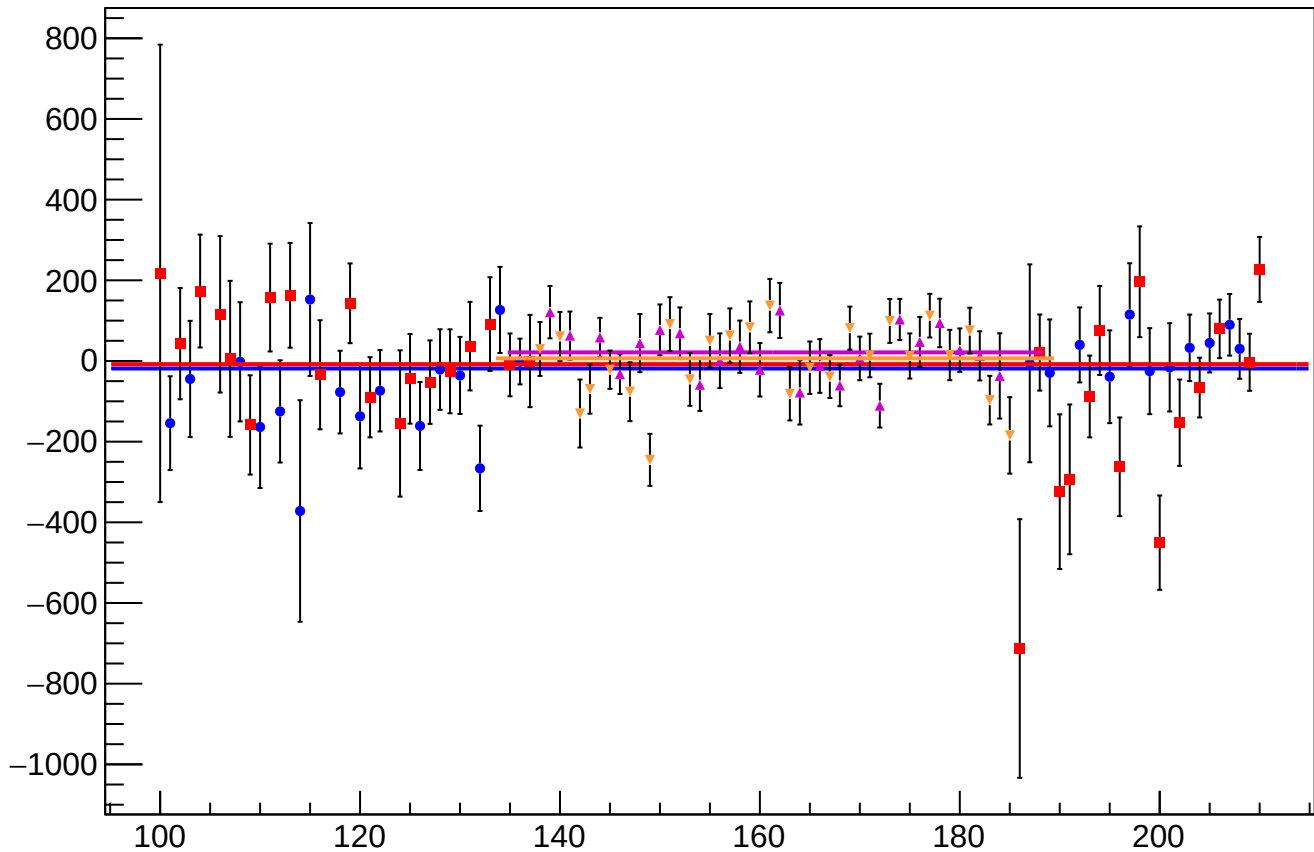
Left In: 331.058 $\pm$ 0.056 χ^2 /NDF: 1325610.1/22

+ sign 385.988 $\pm$ 0.051 χ^2 /NDF: 11966777.4/51

All: 390.995 $\pm$ 0.036 χ^2 /NDF: 26198166.5/10

- sign 396.259 $\pm$ 0.052 χ^2 /NDF: 14211404.7/55

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -18.672 ± 19.859 χ^2/NDF : 21.2/26

Left Out: 6.526 ± 12.287 χ^2/NDF : 50.6/24

Right Out: -7.826 ± 19.389 χ^2/NDF : 56.6/32

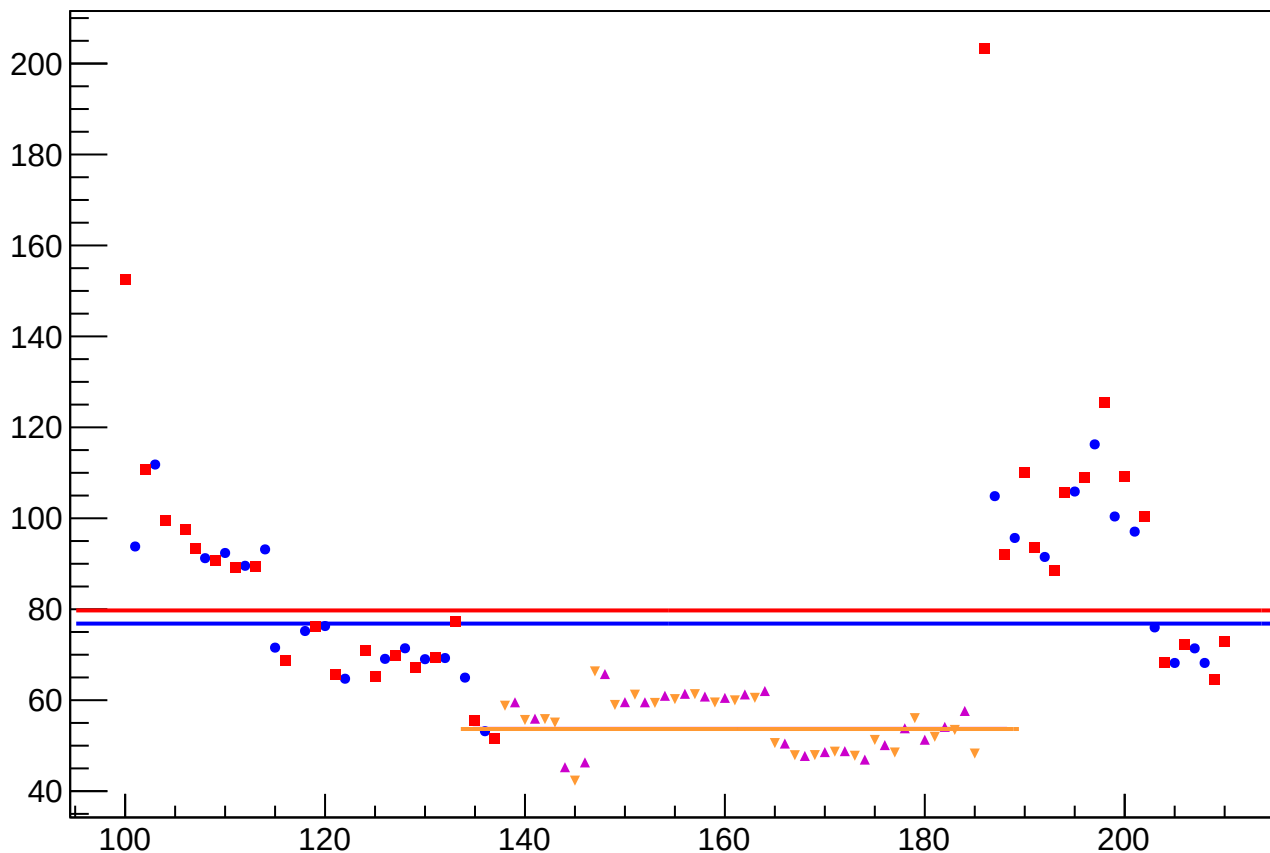
Left In: 21.335 ± 12.649 χ^2/NDF : 25.4/22

+ sign -0.450 ± 10.449 χ^2/NDF : 73.0/51

All: 5.999 ± 7.439 χ^2/NDF : 157.3/107

- sign 12.629 ± 10.594 χ^2/NDF : 83.5/55

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 76.843 $\pm$ 0.014 χ^2 /NDF: 1338153.9/26

Left Out: 53.666 $\pm$ 0.009 χ^2 /NDF: 472206.8/24

Right Out: 79.738 $\pm$ 0.014 χ^2 /NDF: 1946946.9/32

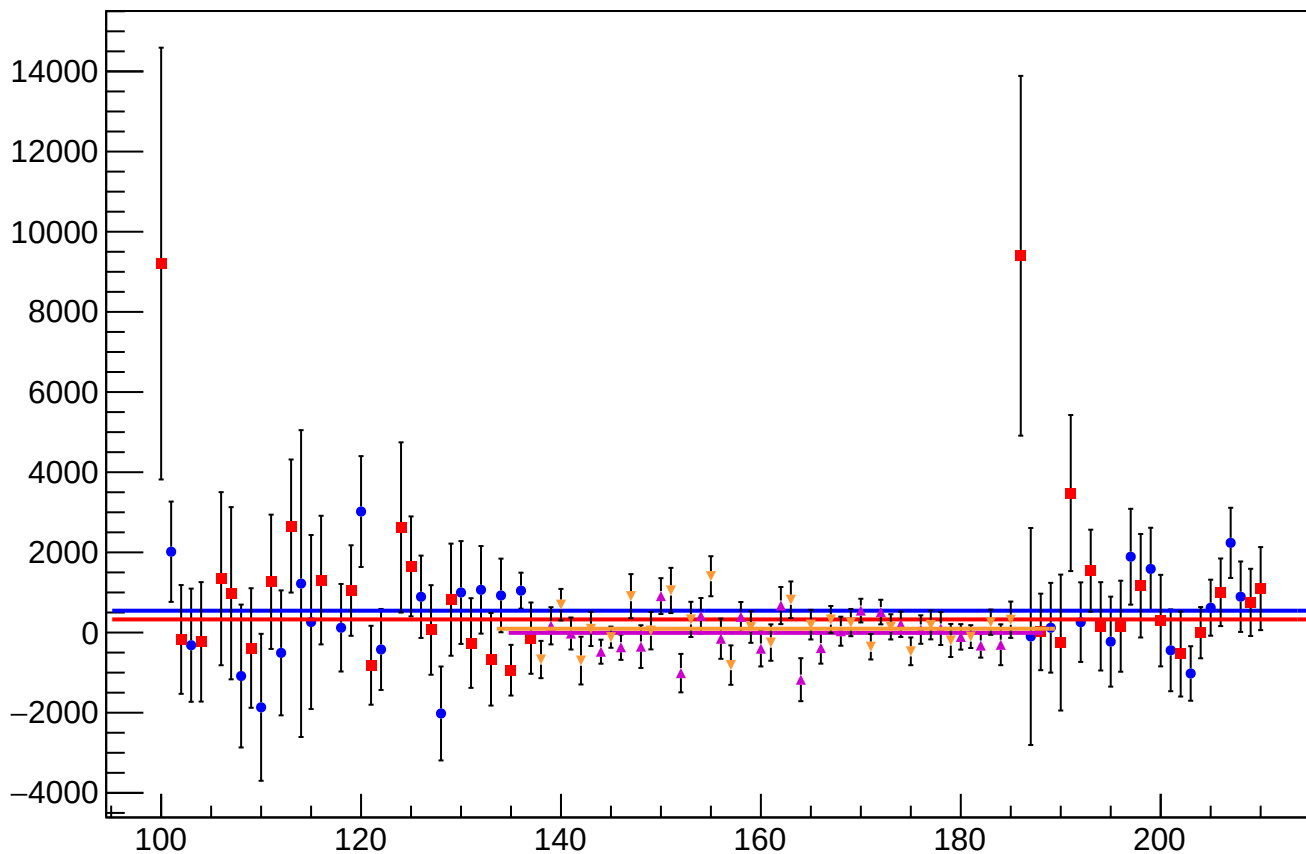
Left In: 53.695 $\pm$ 0.009 χ^2 /NDF: 471343.7/22

+ sign 60.082 $\pm$ 0.007 χ^2 /NDF: 3780464.1/51

All: 60.766 $\pm$ 0.005 χ^2 /NDF: 8747137.6/107

- sign 61.470 $\pm$ 0.007 χ^2 /NDF: 4949280.2/55

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 545.035 $\pm$ 195.339 χ^2 /NDF: 29.0/26

Left Out: 95.458 $\pm$ 77.134 χ^2 /NDF:33.2/24

Right Out: 327.516 $\pm$ 199.552 χ^2 /NDF: 26.9/32

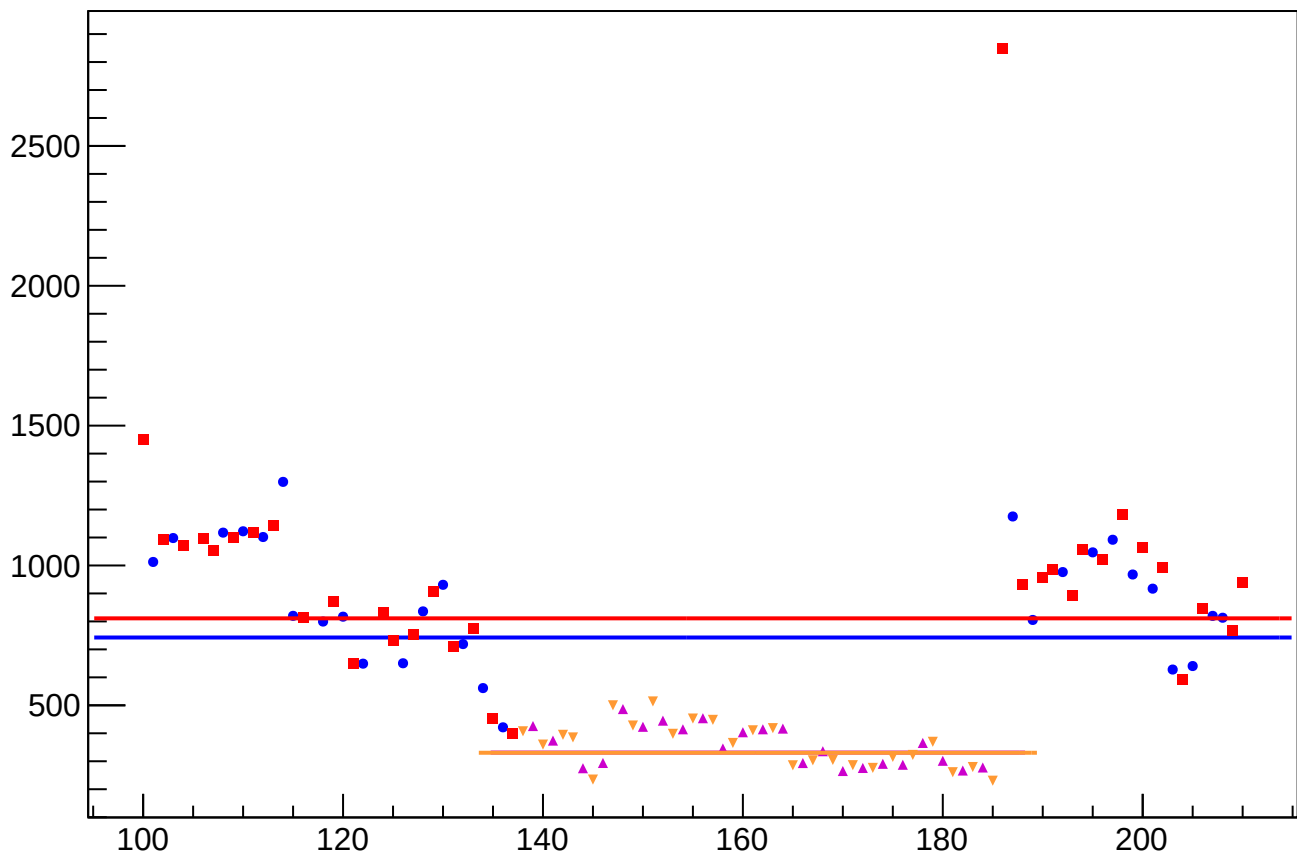
Left In: -7.875 $\pm$ 79.125 χ^2 /NDF:32.3/22

+ sign 156.103 $\pm$ 71.743 χ^2 /NDF: 66.7/51

All: 98.373 $\pm$ 51.358 χ^2 /NDF: 129.7/107

- sign 37.692 $\pm$ 73.554 χ^2 /NDF: 61.7/55

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug



Right In: 742.458 $\pm$ 0.138 χ^2 /NDF: 2515426.7/26

Left Out: 330.405 $\pm$ 0.055 χ^2 /NDF: 1752469.2/24

Right Out: 810.953 $\pm$ 0.141 χ^2 /NDF: 2890539.1/32

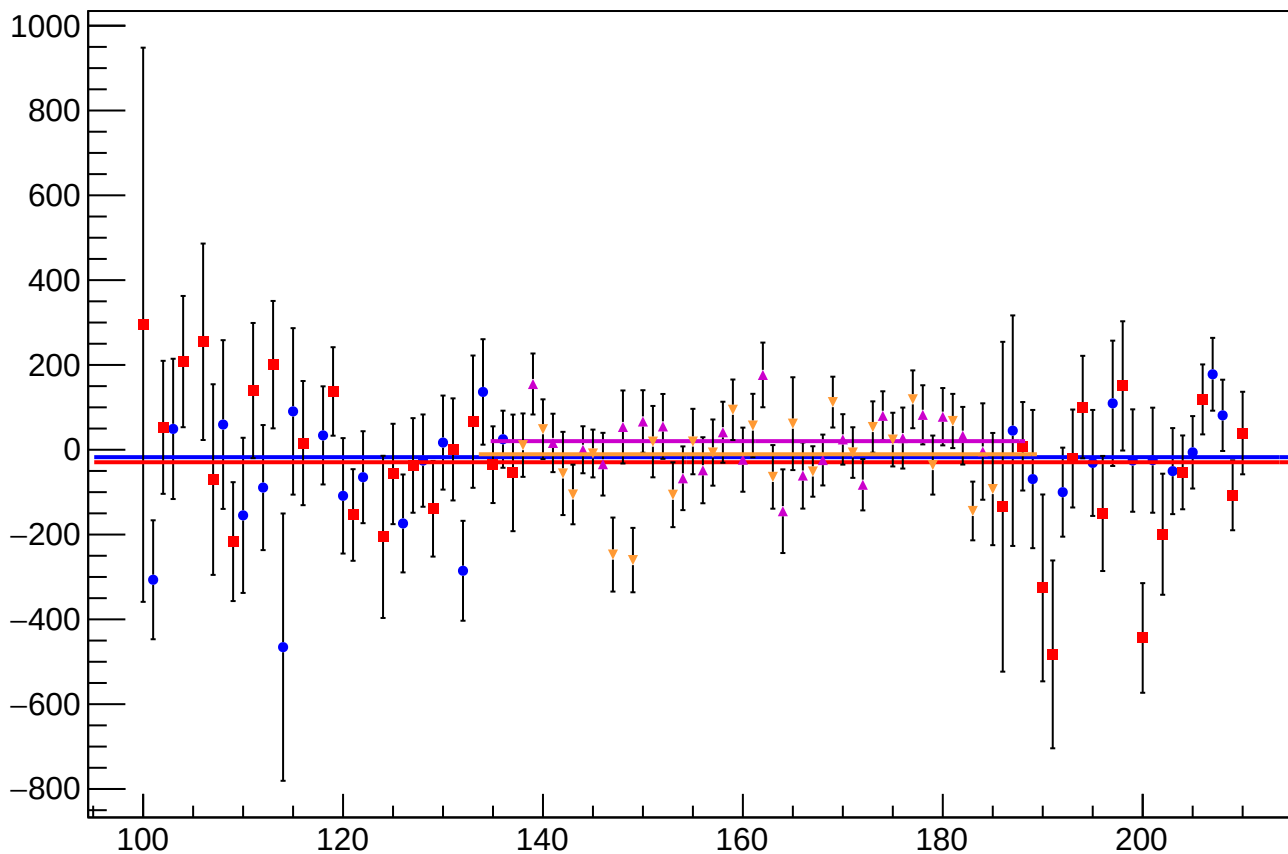
Left In: 331.058 $\pm$ 0.056 χ^2 /NDF: 1325610.1/22

+ sign 385.988 $\pm$ 0.051 χ^2 /NDF: 11966777.4/51

All: 390.995 $\pm$ 0.036 χ^2 /NDF: 26198166.5/10

- sign 396.259 $\pm$ 0.052 χ^2 /NDF: 14211404.7/55

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -17.480 ± 22.742 χ^2/NDF : 25.8/26

Left Out: -10.614 ± 14.311 χ^2/NDF : 42.2/24

Right Out: -29.442 ± 22.108 χ^2/NDF : 41.9/32

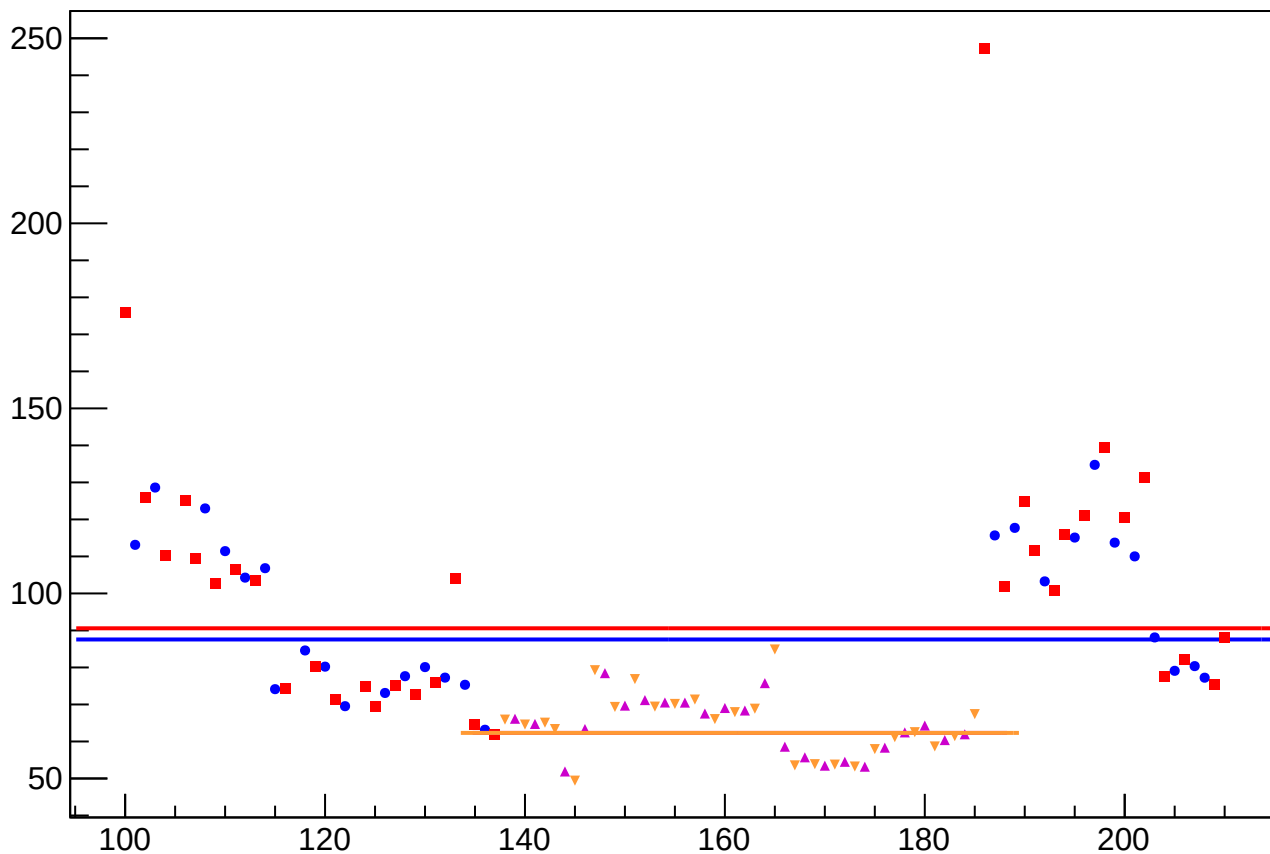
Left In: 20.306 ± 14.750 χ^2/NDF : 21.7/22

+ sign -12.562 ± 12.112 χ^2/NDF : 68.0/51

All: -3.903 ± 8.620 χ^2/NDF : 136.2/107

- sign 4.982 ± 12.270 χ^2/NDF : 67.1/55

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 87.562 $\pm$ 0.016 χ^2 /NDF: 1405553.1/26

Left Out: 62.316 $\pm$ 0.010 χ^2 /NDF: 636269.1/24

Right Out: 90.582 $\pm$ 0.016 χ^2 /NDF: 2077442.7/32

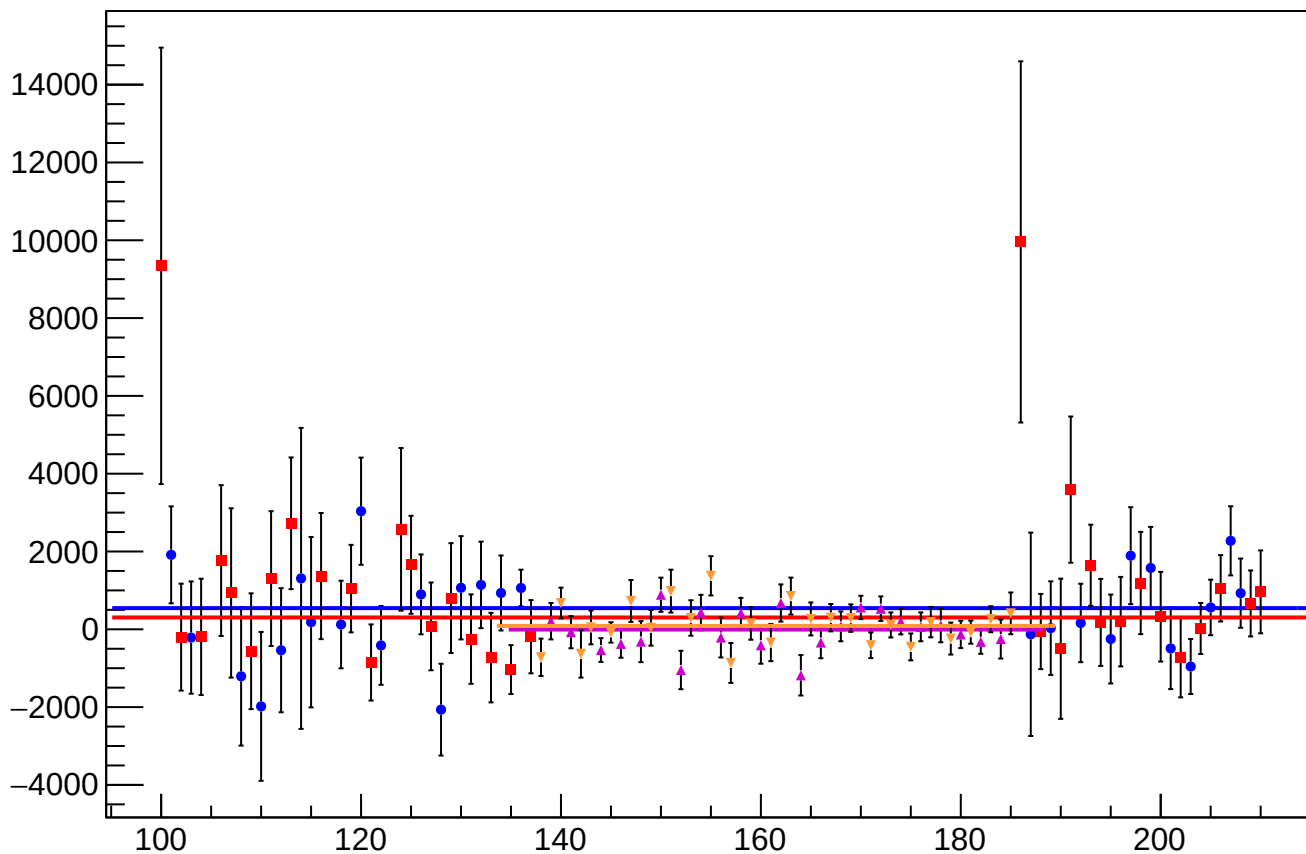
Left In: 62.310 $\pm$ 0.010 χ^2 /NDF: 484549.5/22

+ sign 69.477 $\pm$ 0.009 χ^2 /NDF: 3807317.3/51

All: 70.238 $\pm$ 0.006 χ^2 /NDF: 8648431.9/107

- sign 71.018 $\pm$ 0.009 χ^2 /NDF: 4825130.9/55

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 544.458 ± 200.568 χ^2/NDF : 28.3/26

Left Out: 86.985 ± 79.837 χ^2/NDF : 31.7/24

Right Out: 304.306 ± 201.726 χ^2/NDF : 29.2/32

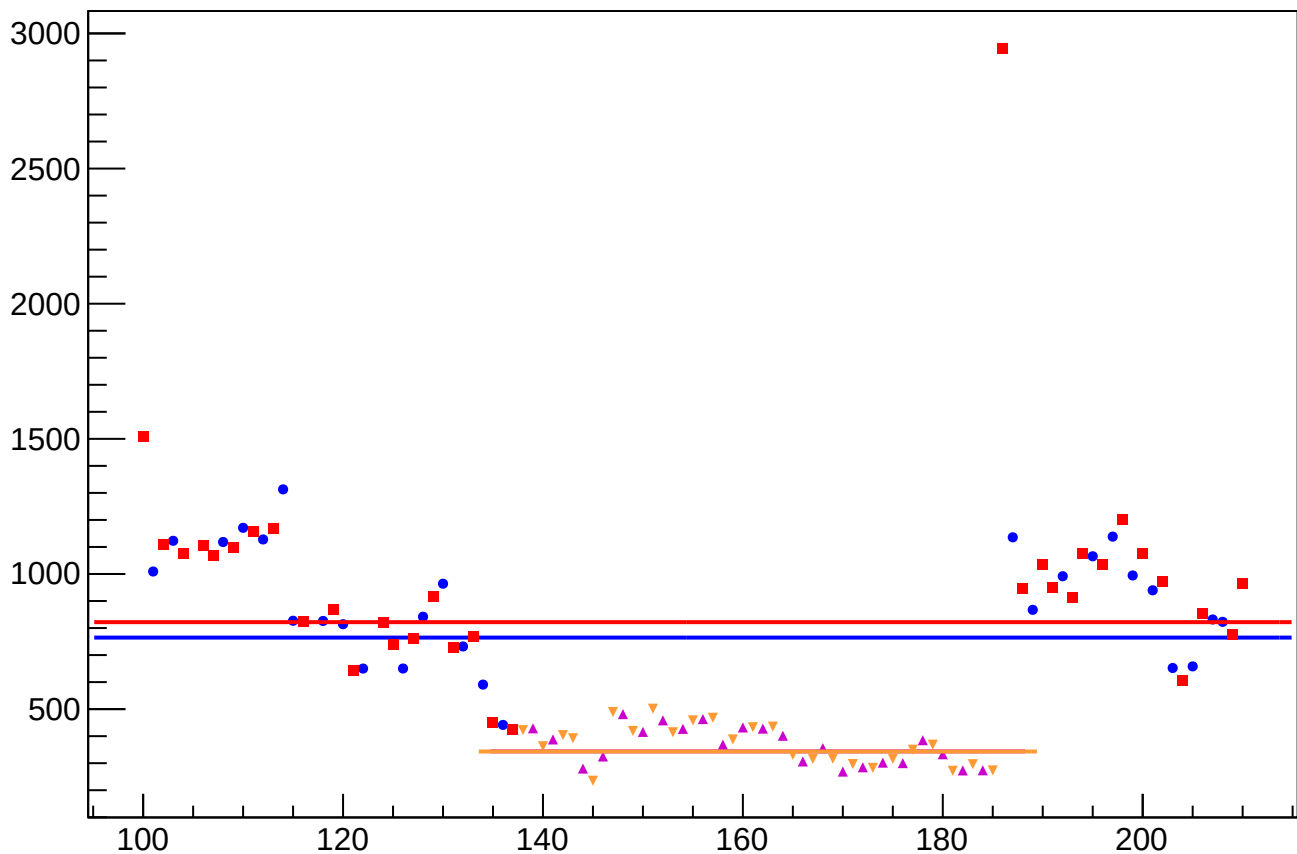
Left In: -6.497 ± 82.111 χ^2/NDF : 32.4/22

+ sign 149.555 ± 74.176 χ^2/NDF : 64.5/51

All: 95.013 ± 53.101 χ^2/NDF : 129.2/107

- sign 37.678 ± 76.052 χ^2/NDF : 63.6/55

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 764.695 $\pm$ 0.142 χ^2 /NDF: 2380515.6/26

Left Out: 343.225 $\pm$ 0.056 χ^2 /NDF: 1595394.3/24

Right Out: 821.799 $\pm$ 0.143 χ^2 /NDF: 2886976.2/32

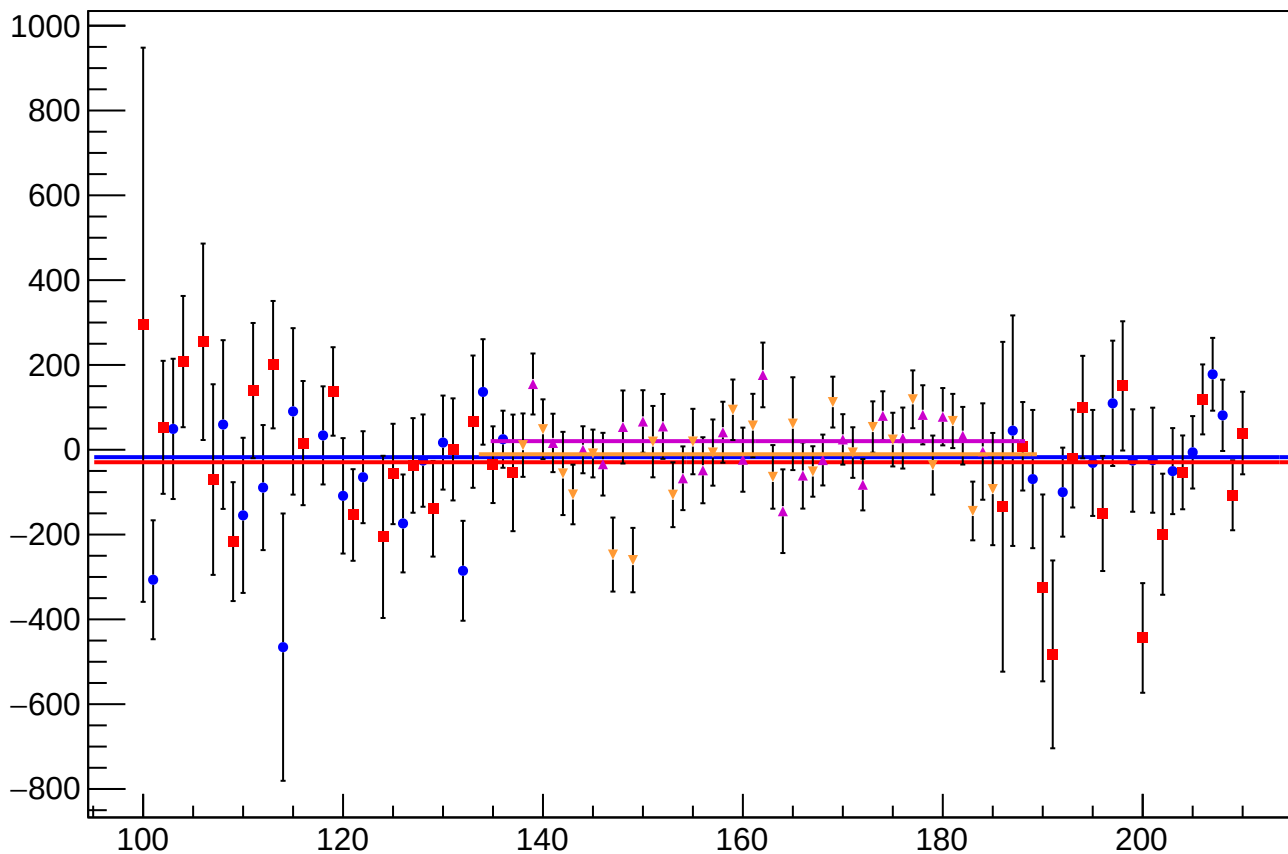
Left In: 343.717 $\pm$ 0.058 χ^2 /NDF: 1258376.8/22

+ sign 400.871 $\pm$ 0.052 χ^2 /NDF: 11599572.6/51

All: 406.135 $\pm$ 0.038 χ^2 /NDF: 25402359.3/10

- sign 411.668 $\pm$ 0.054 χ^2 /NDF: 13782128.1/55

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -17.481 ± 22.742 χ^2/NDF : 25.8/26

Left Out: -10.613 ± 14.311 χ^2/NDF : 42.2/24

Right Out: -29.442 ± 22.108 χ^2/NDF : 41.9/32

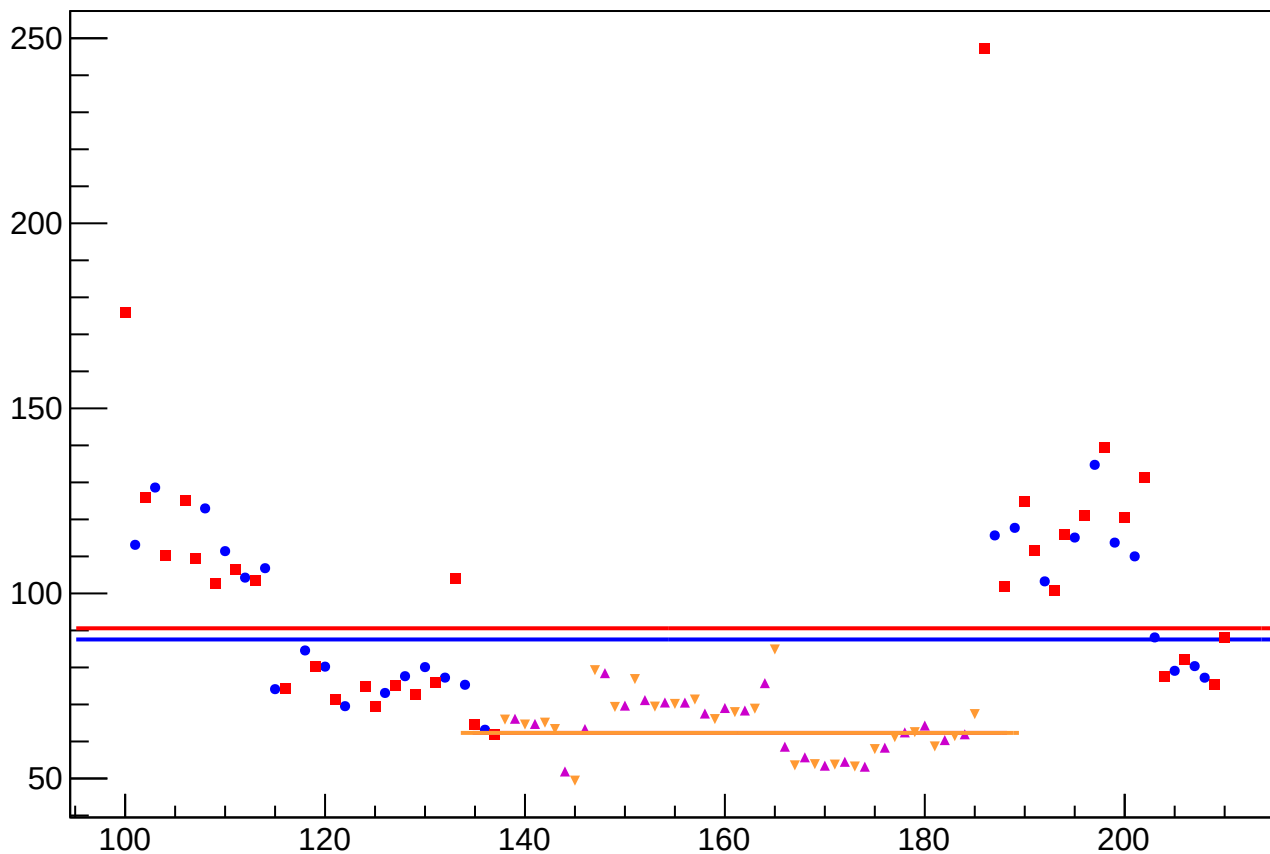
Left In: 20.306 ± 14.750 χ^2/NDF : 21.7/22

+ sign -12.561 ± 12.112 χ^2/NDF : 68.0/51

All: -3.903 ± 8.620 χ^2/NDF : 136.2/107

- sign 4.982 ± 12.270 χ^2/NDF : 67.1/55

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 87.562 $\pm$ 0.016 χ^2/NDF : 1405568.0/26

Left Out: 62.316 $\pm$ 0.010 χ^2/NDF : 636268.2/24

Right Out: 90.581 $\pm$ 0.016 χ^2/NDF : 2077436.1/32

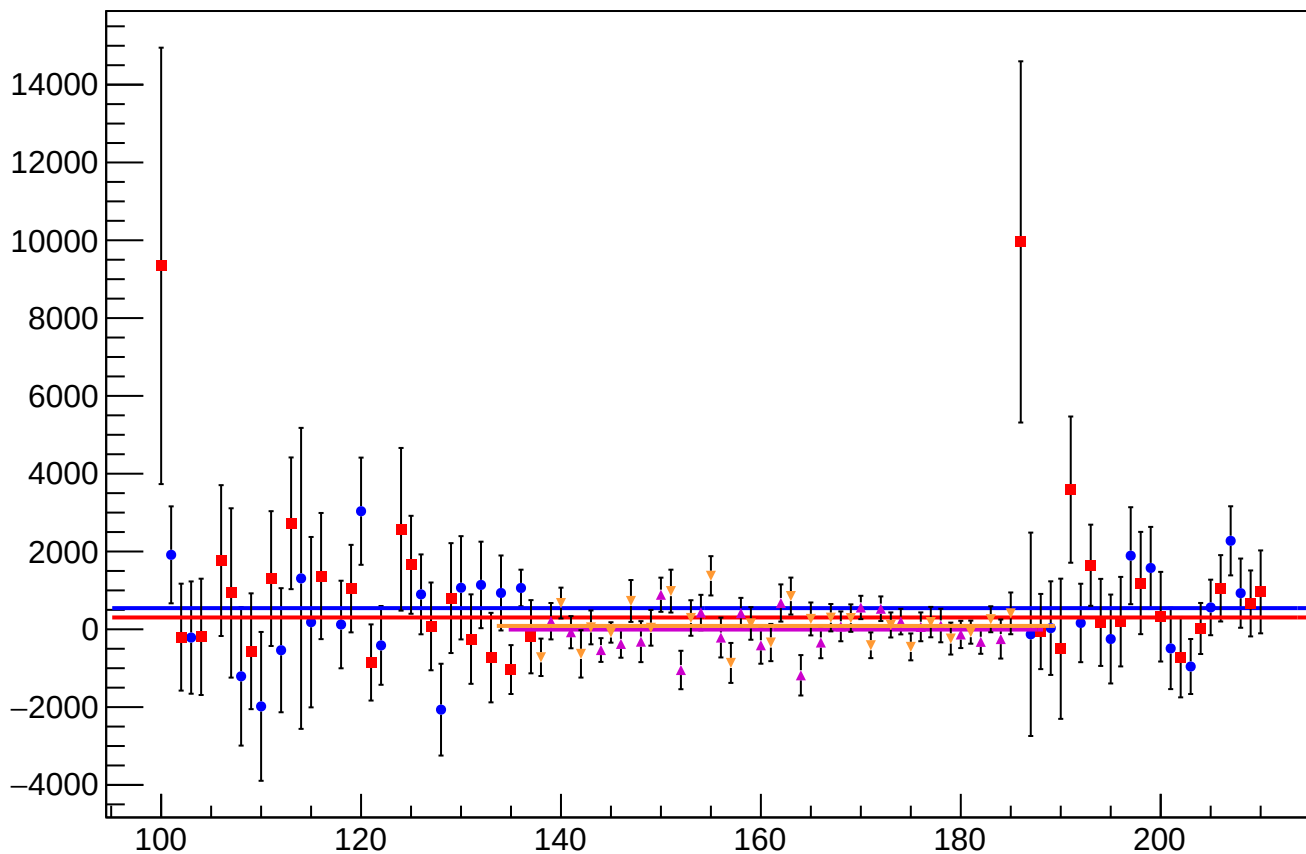
Left In: 62.311 $\pm$ 0.010 χ^2/NDF : 484544.3/22

+ sign 69.477 $\pm$ 0.009 χ^2/NDF : 3807290.3/51

All: 70.238 $\pm$ 0.006 χ^2/NDF : 8648350.3/107

- sign 71.019 $\pm$ 0.009 χ^2/NDF : 4825073.2/55

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 544.459 ± 200.568 χ^2/NDF : 28.3/26

Left Out: 86.985 ± 79.837 χ^2/NDF : 31.7/24

Right Out: 304.307 ± 201.726 χ^2/NDF : 29.2/32

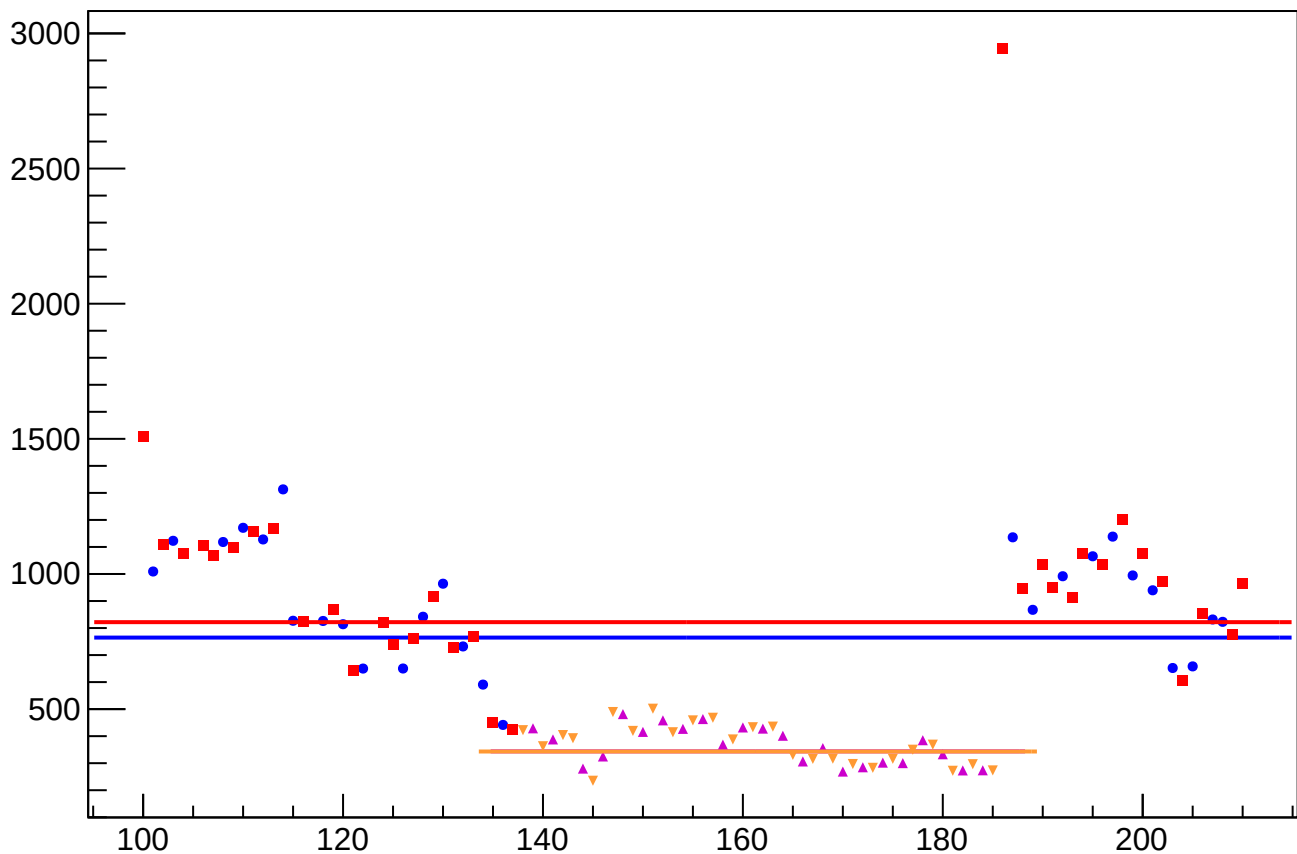
Left In: -6.497 ± 82.111 χ^2/NDF : 32.4/22

+ sign 149.556 ± 74.176 χ^2/NDF : 64.5/51

All: 95.014 ± 53.101 χ^2/NDF : 129.2/107

- sign 37.678 ± 76.052 χ^2/NDF : 63.6/55

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug

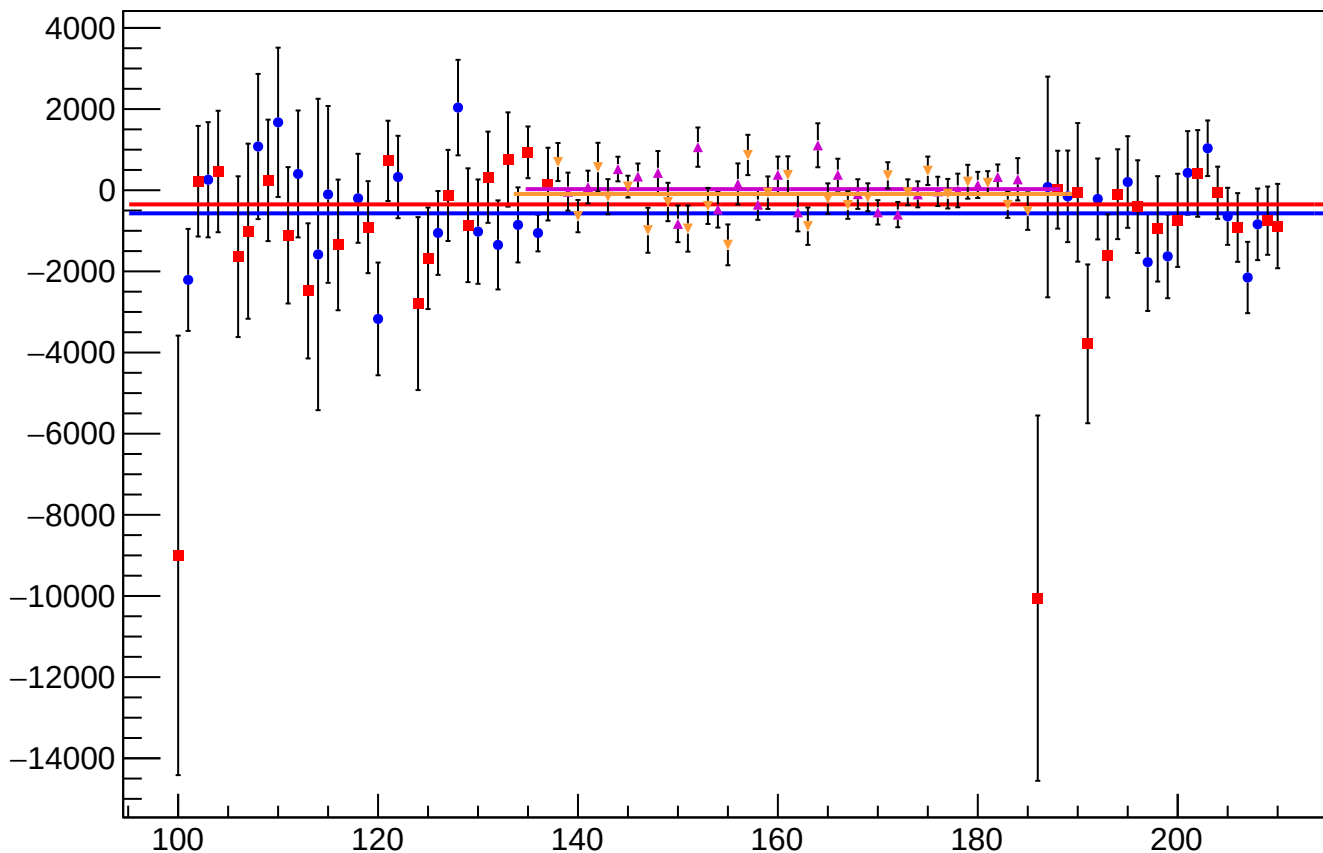


+ sign 400.871 $\pm$ 0.052 χ^2/NDF : 11599582.4/51

All: 406.135 $\pm$ 0.038 χ^2/NDF : 25402371.2/10

- sign 411.668 $\pm$ 0.054 χ^2/NDF : 13782129.8/55

asym_sam_15_26_dd_mean vs Slug



Right In: -569.730 ± 196.522 χ^2/NDF : 28.9/26

Left Out: -92.671 ± 78.184 χ^2/NDF : 34.2/24

Right Out: -348.938 ± 200.450 χ^2/NDF : 27.1/32

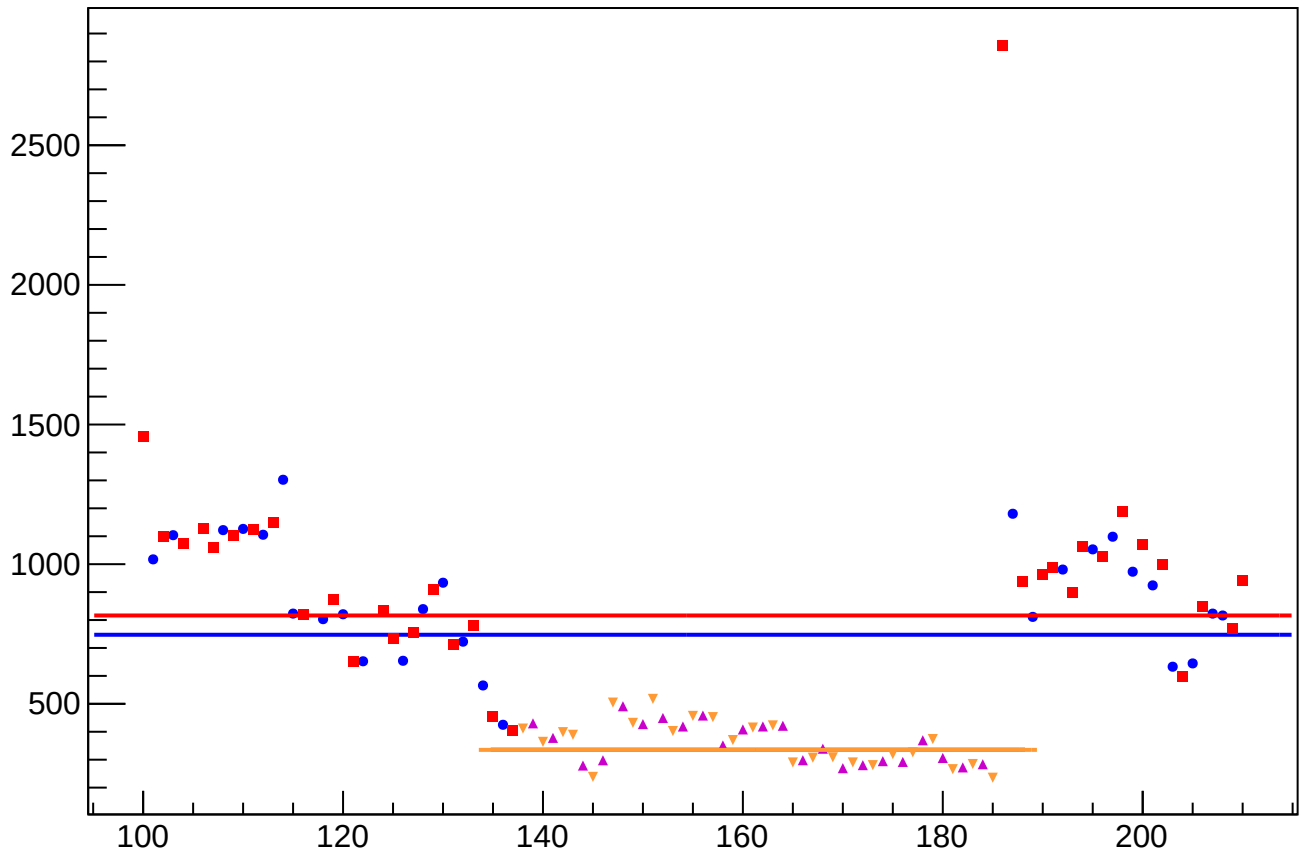
Left In: 27.173 ± 80.207 χ^2/NDF : 30.9/22

+ sign -157.860 ± 72.646 χ^2/NDF : 68.2/51

All: -92.945 ± 52.001 χ^2/NDF : 130.8/107

- sign -24.735 ± 74.467 χ^2/NDF : 61.0/55

asym_sam_15_26_dd_rms vs Slug



Right In: 747.283+/-0.139 χ^2/NDF : 2492502.1/26

Left Out: 335.150+/-0.055 χ^2/NDF :1706014.2/24

Right Out: 816.300+/-0.142 χ^2/NDF : 2887217.1/32

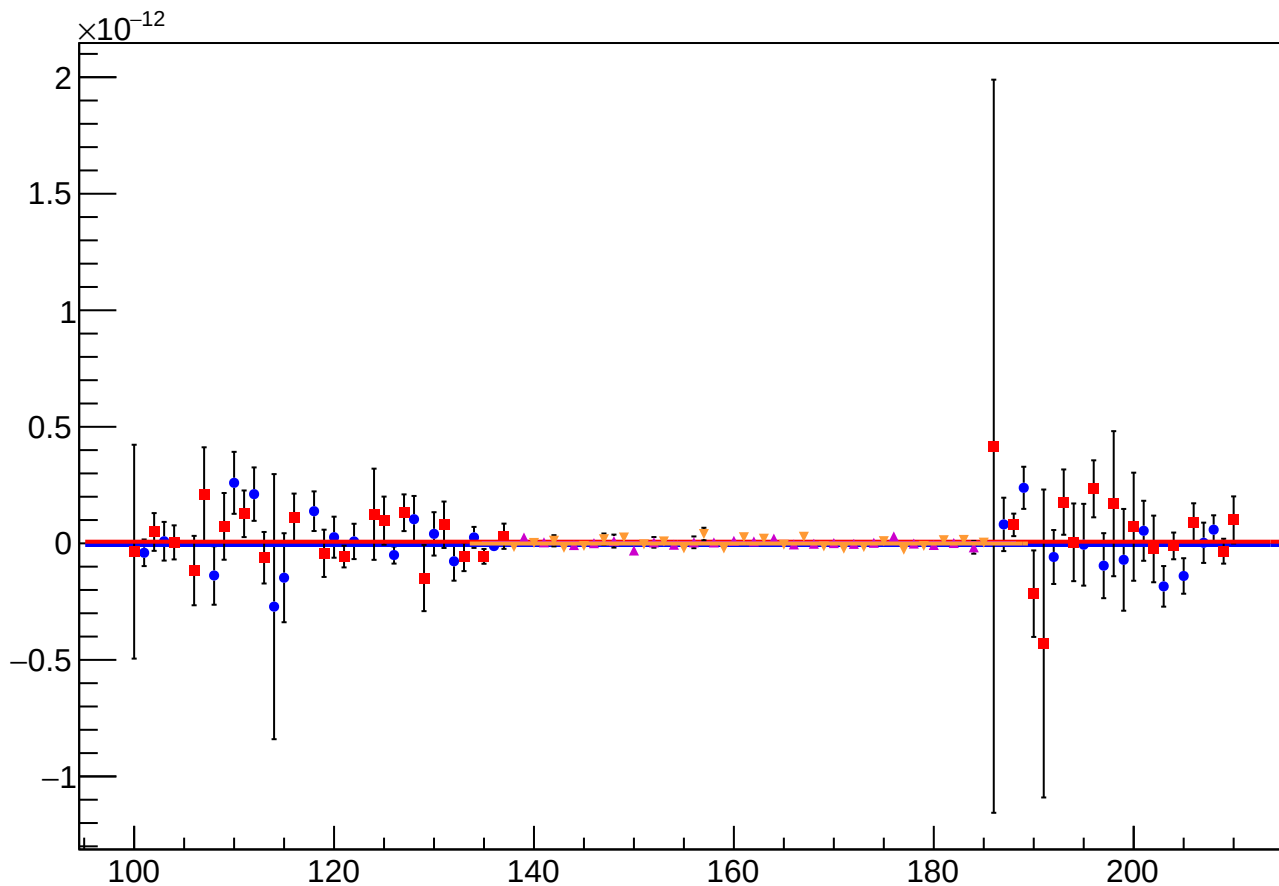
Left In: 335.787+/-0.057 χ^2/NDF :1291376.5/22

+ sign 391.467+/-0.051 χ^2/NDF : 11792511.3/51

All: 396.654+/-0.037 χ^2/NDF : 25898763.8/10

- sign 402.104+/-0.053 χ^2/NDF : 14085342.6/55

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 34.4/26

Left Out: -0.000+/-0.000 χ^2/NDF : 33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29.8/32

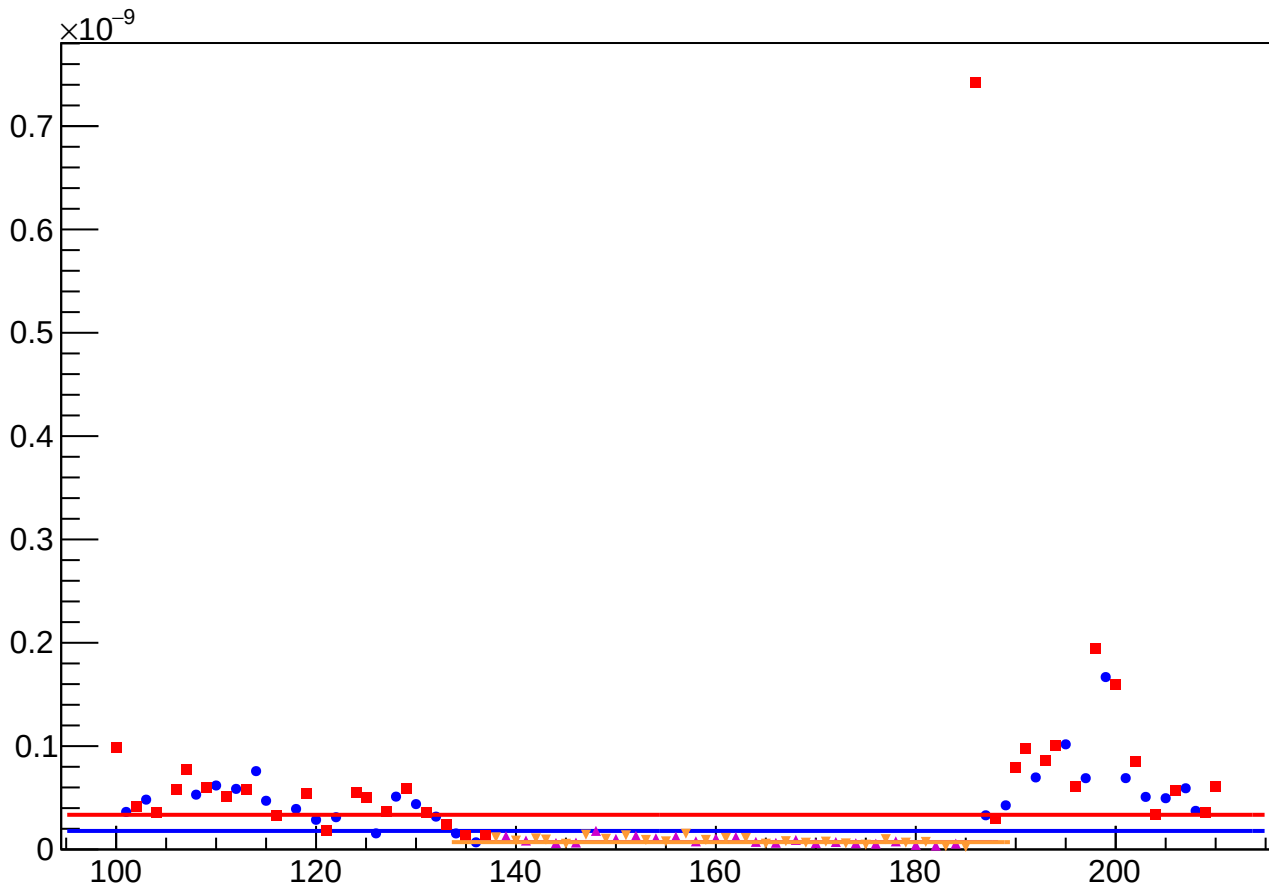
Left In: 0.000+/-0.000 χ^2/NDF : 14.8/22

+ sign -0.000+/-0.000 χ^2/NDF : 68.1/51

All: 0.000+/-0.000 χ^2/NDF : 113.4/107

- sign 0.000+/-0.000 χ^2/NDF : 44.7/55

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7237103.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4953737.9/32

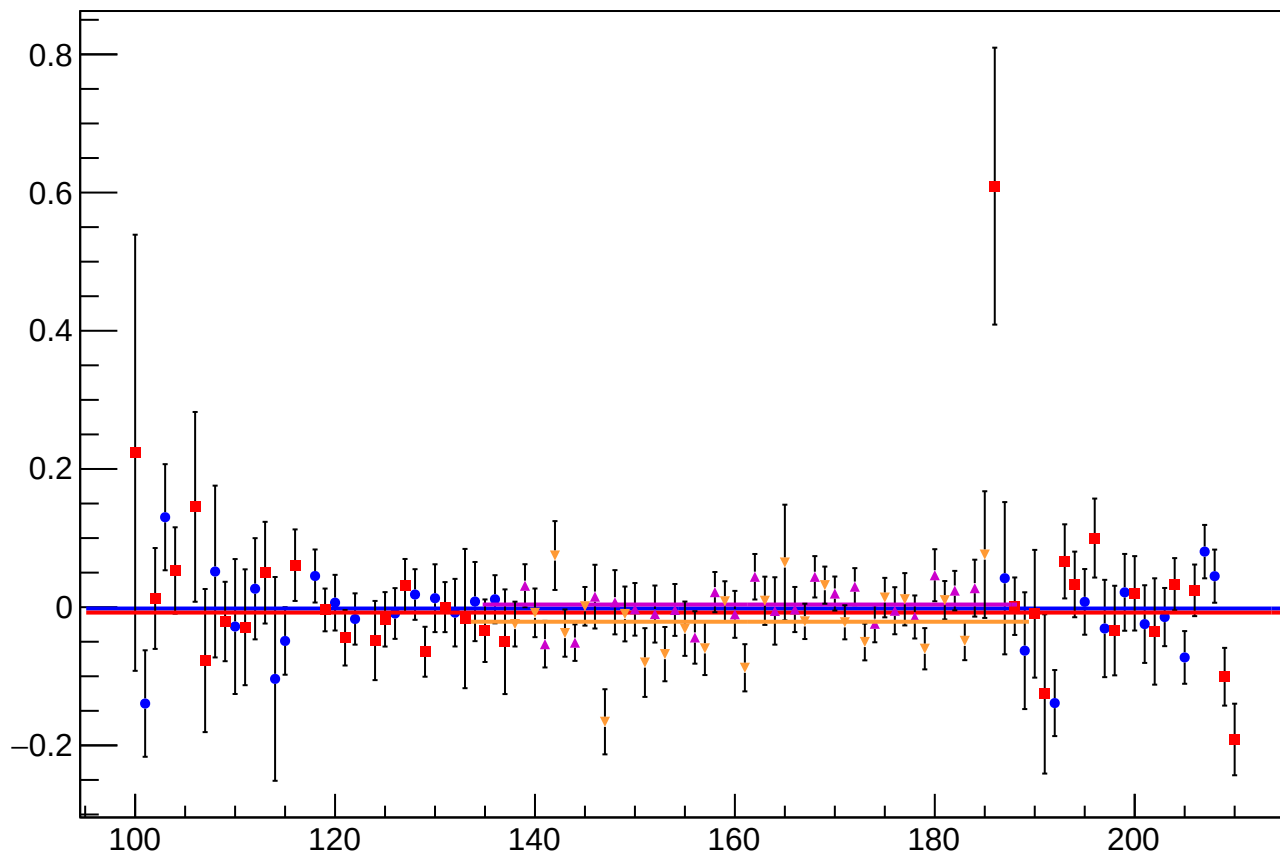
Left In: 0.000+/-0.000 χ^2/NDF : 1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 11467862.4/51

All: 0.000+/-0.000 χ^2/NDF : 24590503.4/107

- sign 0.000+/-0.000 χ^2/NDF : 13102834.3/55

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.009 χ^2/NDF : 29.3/26

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.008 ± 0.009 χ^2/NDF : 48.1/32

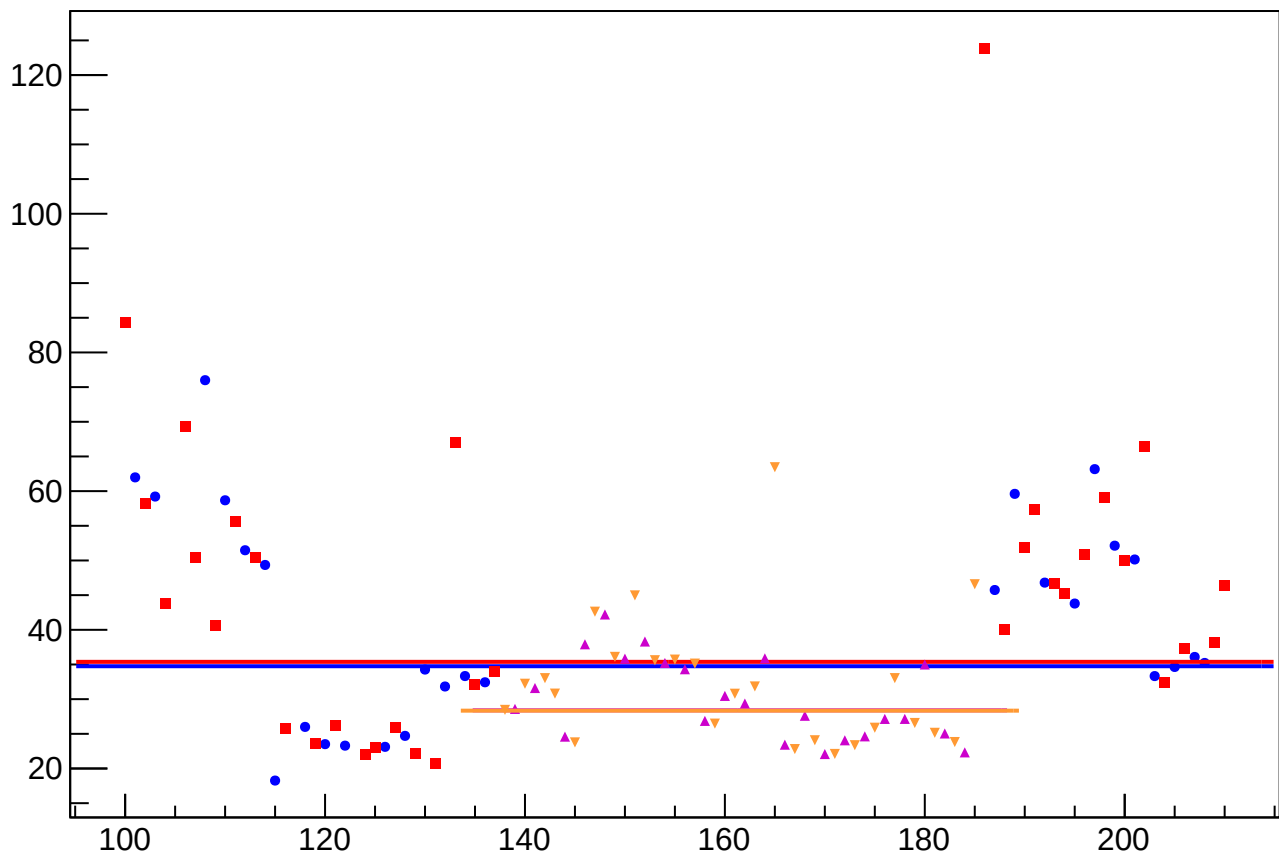
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.015 ± 0.005 χ^2/NDF : 69.2/51

All: -0.008 ± 0.004 χ^2/NDF : 140.4/107

- sign -0.000 ± 0.005 χ^2/NDF : 67.8/55

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.749+/-0.007 χ^2/NDF : 3032615.6/26

Left Out: 28.342+/-0.005 χ^2/NDF : 1733592.1/24

Right Out: 35.382+/-0.006 χ^2/NDF : 4082212.9/32

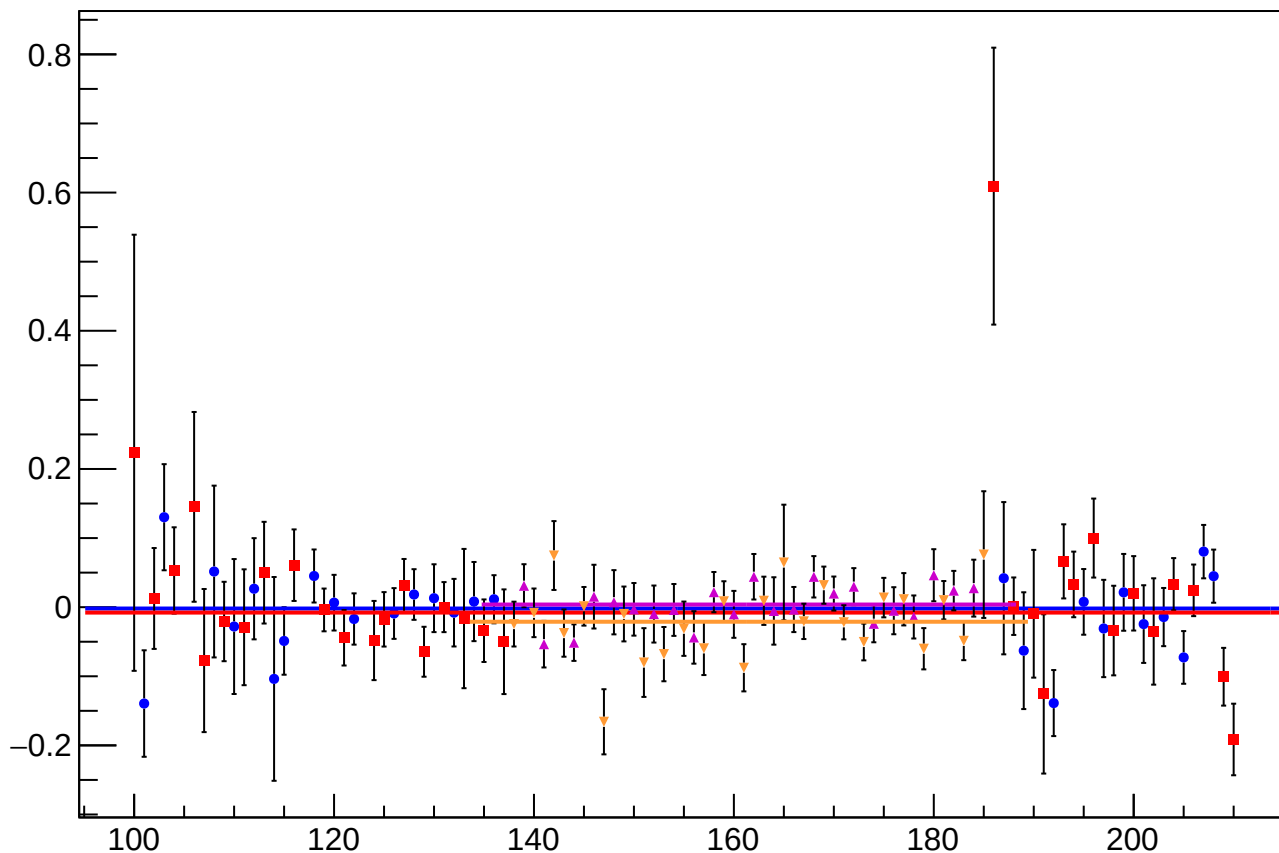
Left In: 28.389+/-0.005 χ^2/NDF : 1098849.1/22

+ sign 30.469+/-0.004 χ^2/NDF : 5378979.7/51

All: 30.702+/-0.003 χ^2/NDF : 11324084.6/107

- sign 30.936+/-0.004 χ^2/NDF : 5937800.9/55

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.009 χ^2/NDF : 29.3/26

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.008 ± 0.009 χ^2/NDF : 48.1/32

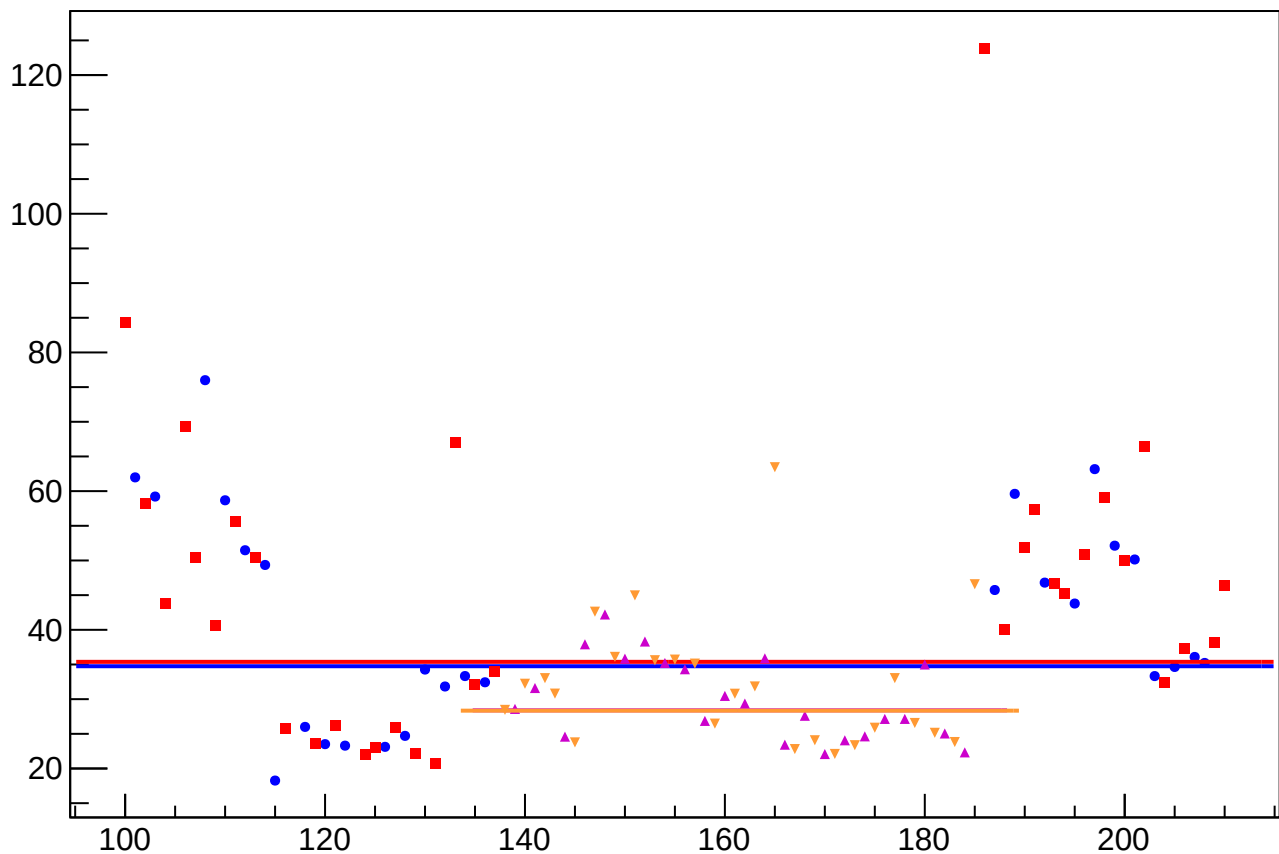
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.015 ± 0.005 χ^2/NDF : 69.2/51

All: -0.008 ± 0.004 χ^2/NDF : 140.4/107

- sign -0.000 ± 0.005 χ^2/NDF : 67.8/55

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.749+/-0.007 χ^2/NDF : 3032615.6/26

Left Out: 28.342+/-0.005 χ^2/NDF : 1733592.1/24

Right Out: 35.382+/-0.006 χ^2/NDF : 4082212.9/32

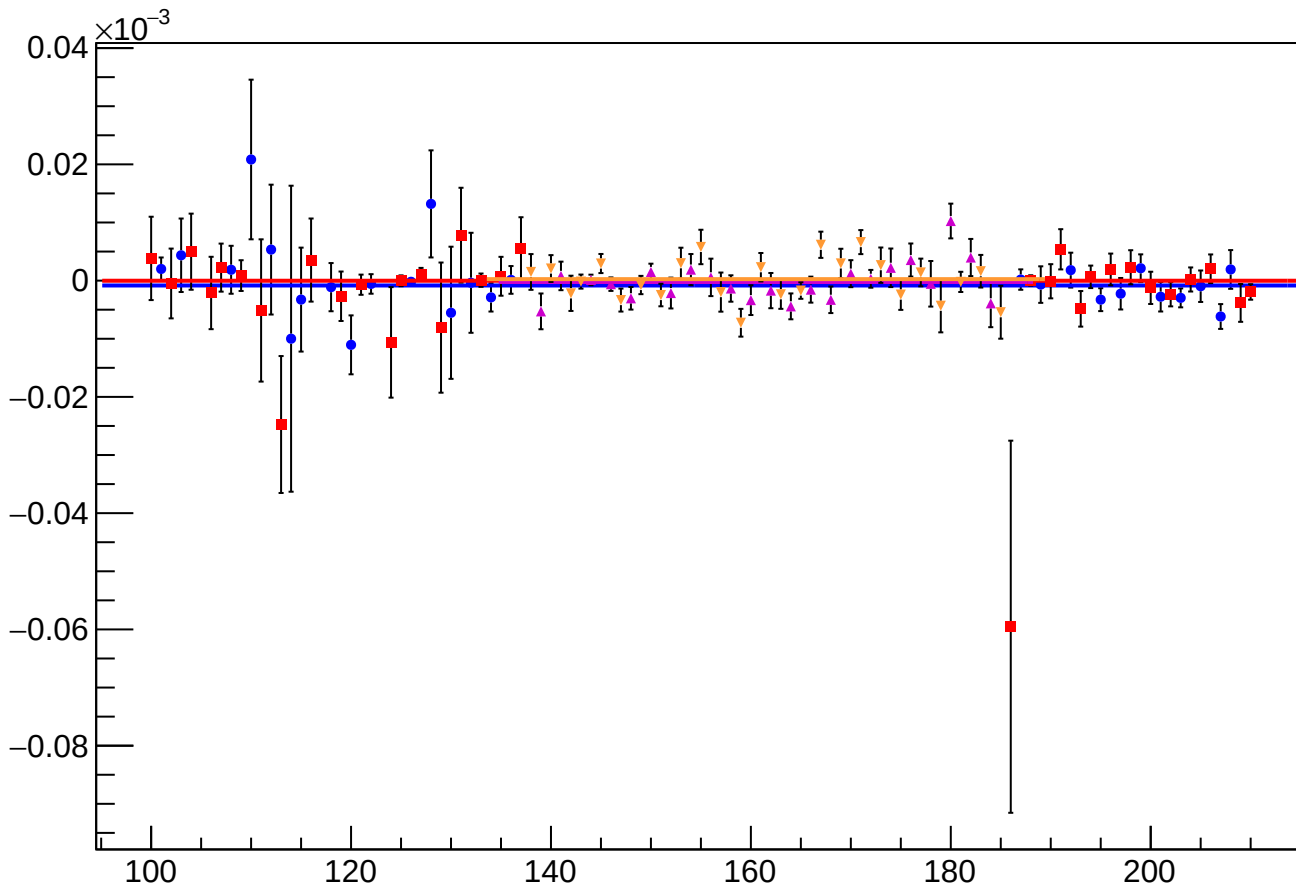
Left In: 28.389+/-0.005 χ^2/NDF : 1098849.1/22

+ sign 30.469+/-0.004 χ^2/NDF : 5378979.7/51

All: 30.702+/-0.003 χ^2/NDF : 11324084.6/107

- sign 30.936+/-0.004 χ^2/NDF : 5937800.9/55

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 27.9/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 50.8/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 27.1/32

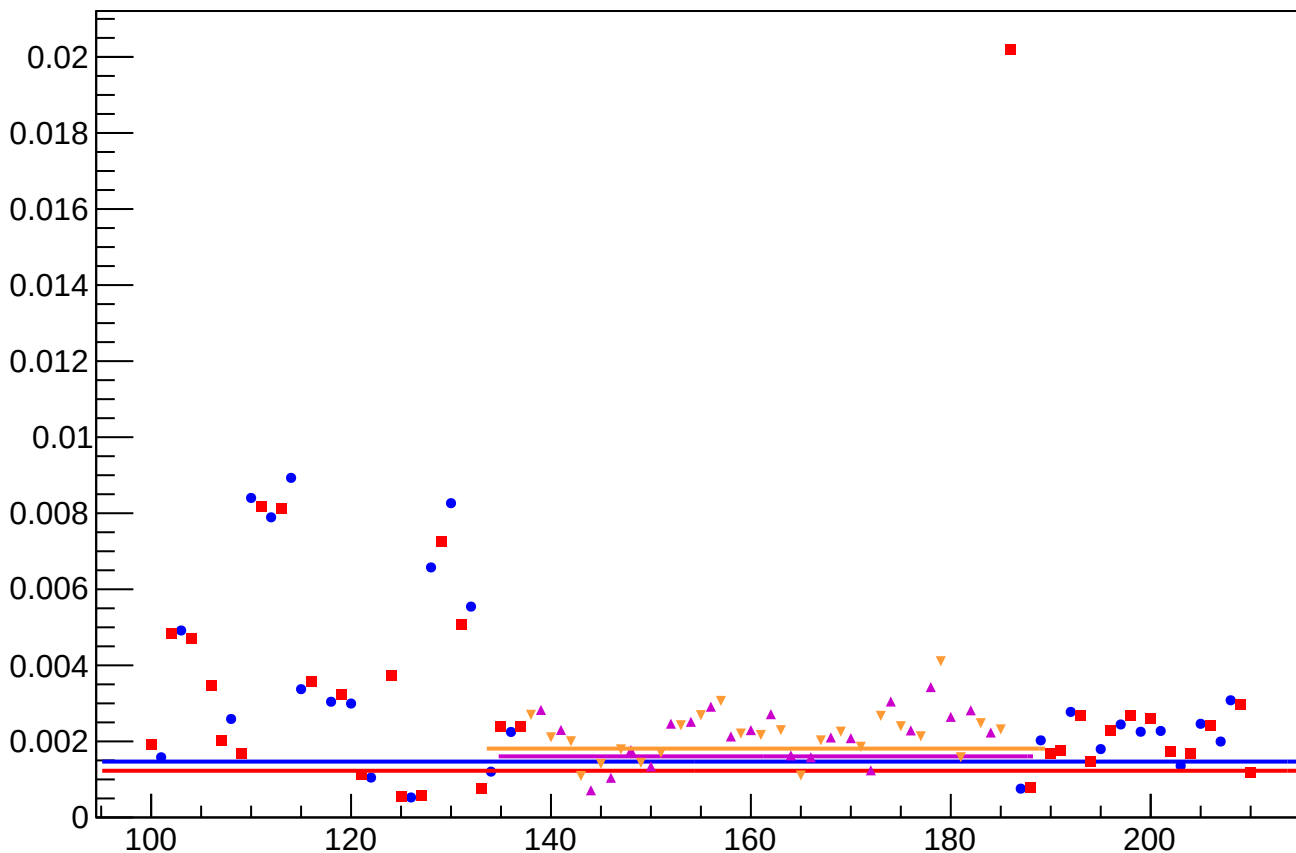
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 81.7/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 142.2/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 60.5/55

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9743589.0/26

Left Out: 0.002+/-0.000 χ^2/NDF : 3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 11626402.6/32

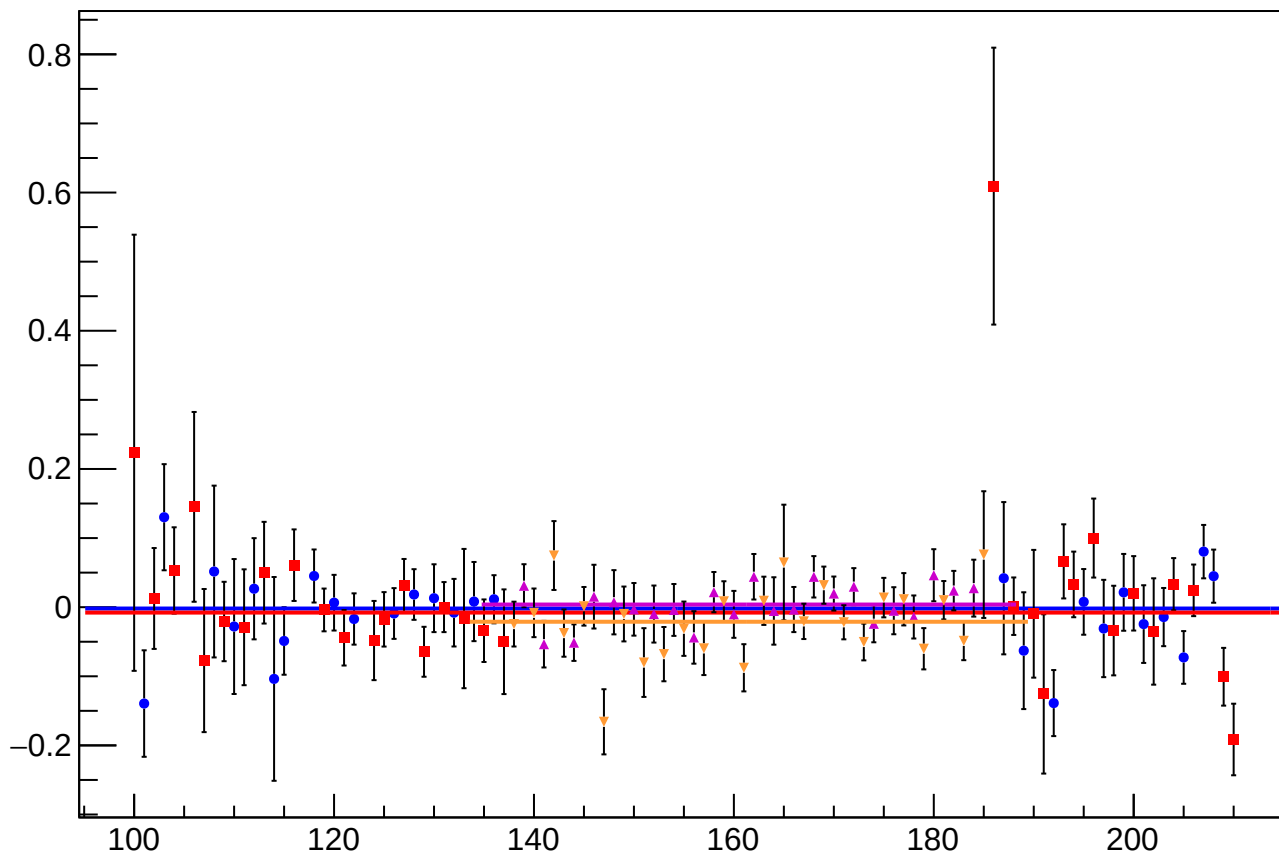
Left In: 0.002+/-0.000 χ^2/NDF : 6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF : 13759537.5/51

All: 0.002+/-0.000 χ^2/NDF : 33055168.4/107

- sign 0.001+/-0.000 χ^2/NDF : 18560180.1/55

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.009 χ^2/NDF : 29.3/26

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.008 ± 0.009 χ^2/NDF : 48.1/32

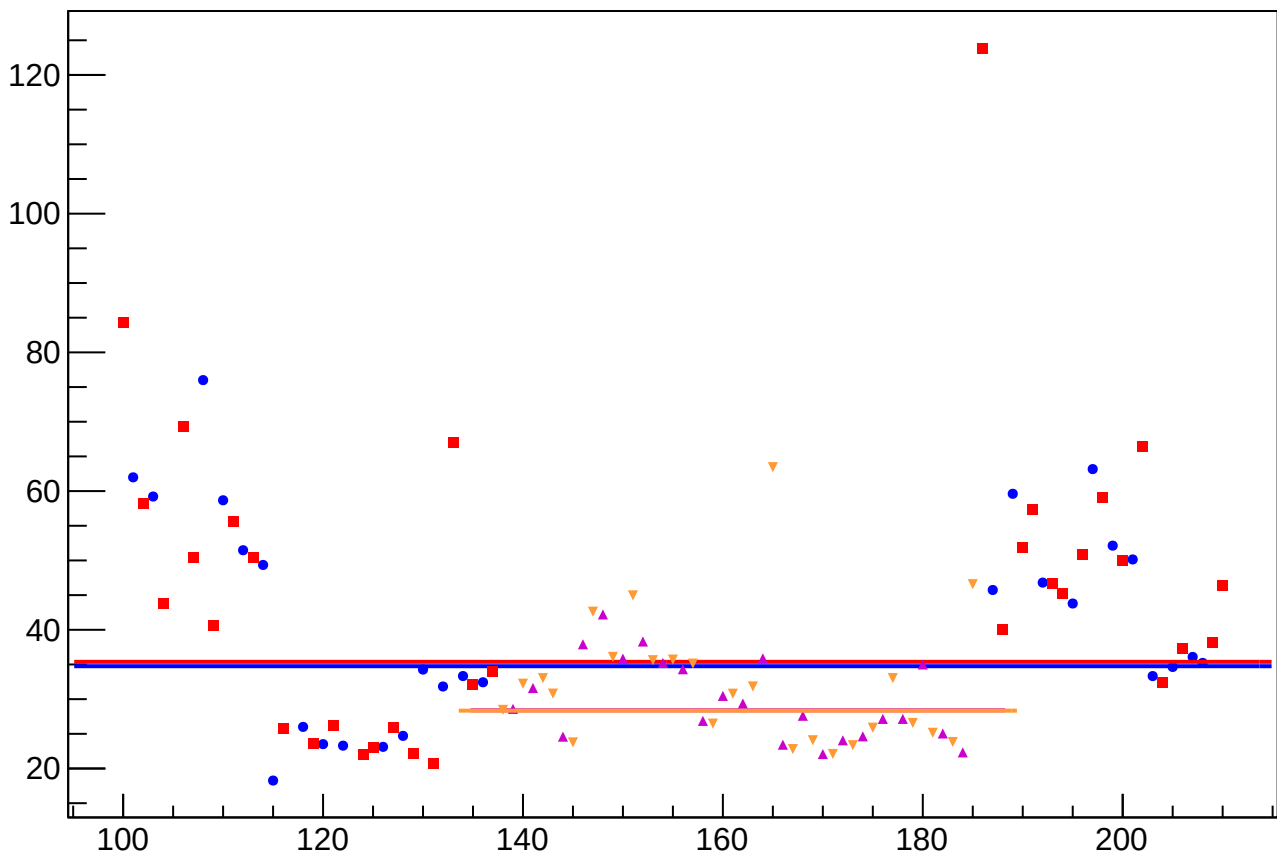
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.015 ± 0.005 χ^2/NDF : 69.2/51

All: -0.008 ± 0.004 χ^2/NDF : 140.4/107

- sign -0.000 ± 0.005 χ^2/NDF : 67.8/55

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.749 $\pm$ 0.007 χ^2 /NDF: 3032484.8/26

Left Out: 28.342 $\pm$ 0.005 χ^2 /NDF:1733585.3/24

Right Out: 35.381 $\pm$ 0.006 χ^2 /NDF: 4082340.0/32

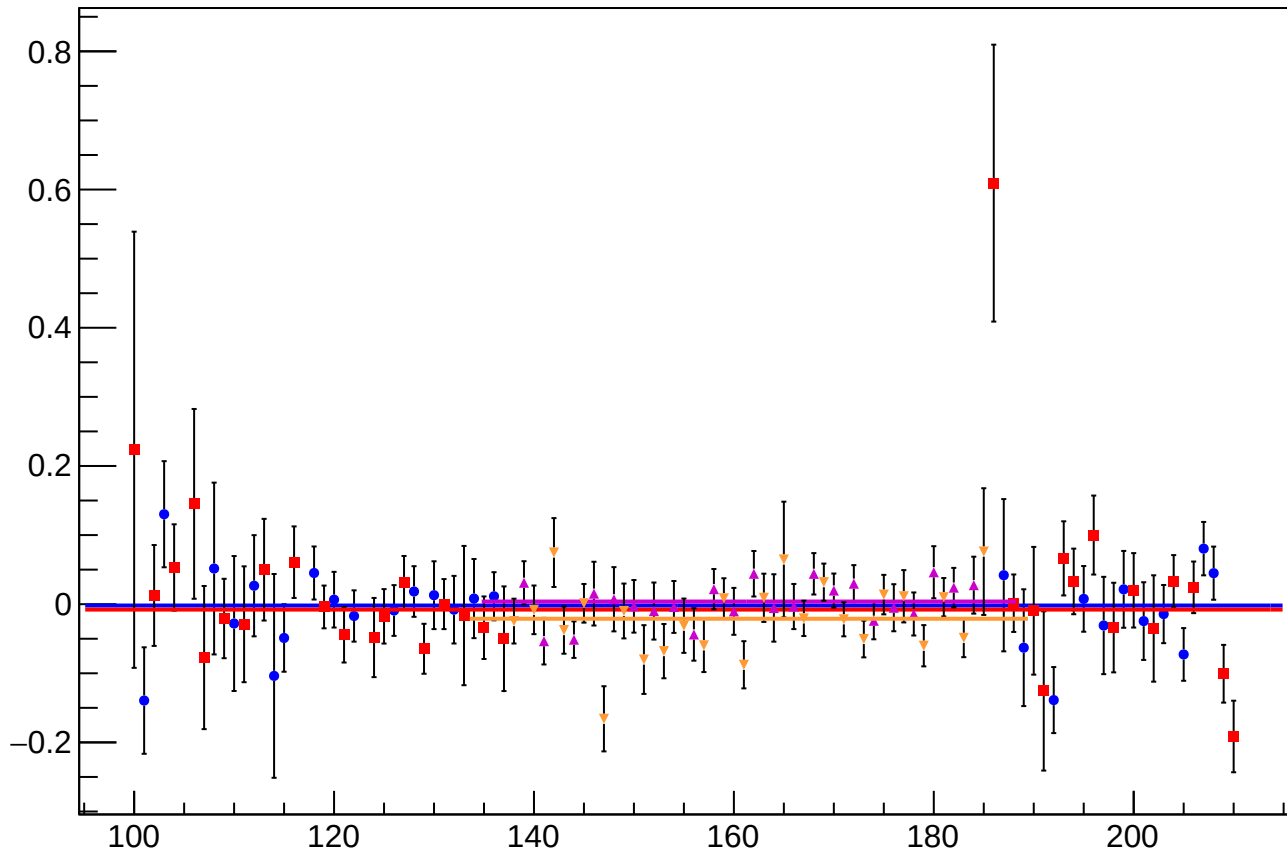
Left In: 28.389 $\pm$ 0.005 χ^2 /NDF:1098852.1/22

+ sign 30.469 $\pm$ 0.004 χ^2 /NDF: 5378826.8/51

All: 30.702 $\pm$ 0.003 χ^2 /NDF: 11323924.1/107

- sign 30.936 $\pm$ 0.004 χ^2 /NDF: 5937792.7/55

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.009 χ^2/NDF : 29.3/26

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.008 ± 0.009 χ^2/NDF : 48.1/32

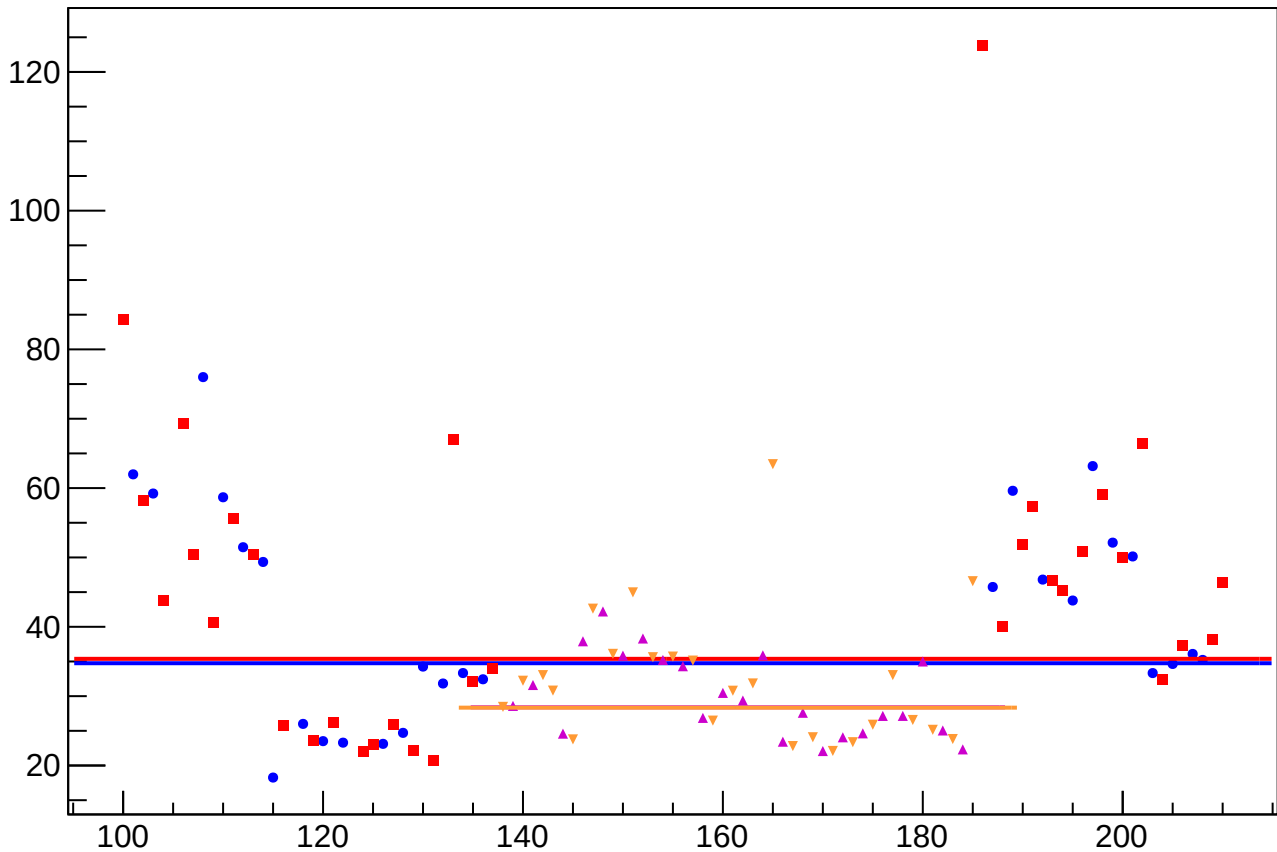
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.015 ± 0.005 χ^2/NDF : 69.2/51

All: -0.008 ± 0.004 χ^2/NDF : 140.4/107

- sign -0.000 ± 0.005 χ^2/NDF : 67.8/55

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.749 $\pm$ 0.007 χ^2 /NDF: 3032484.8/26

Left Out: 28.342 $\pm$ 0.005 χ^2 /NDF:1733585.3/24

Right Out: 35.381 $\pm$ 0.006 χ^2 /NDF: 4082340.0/32

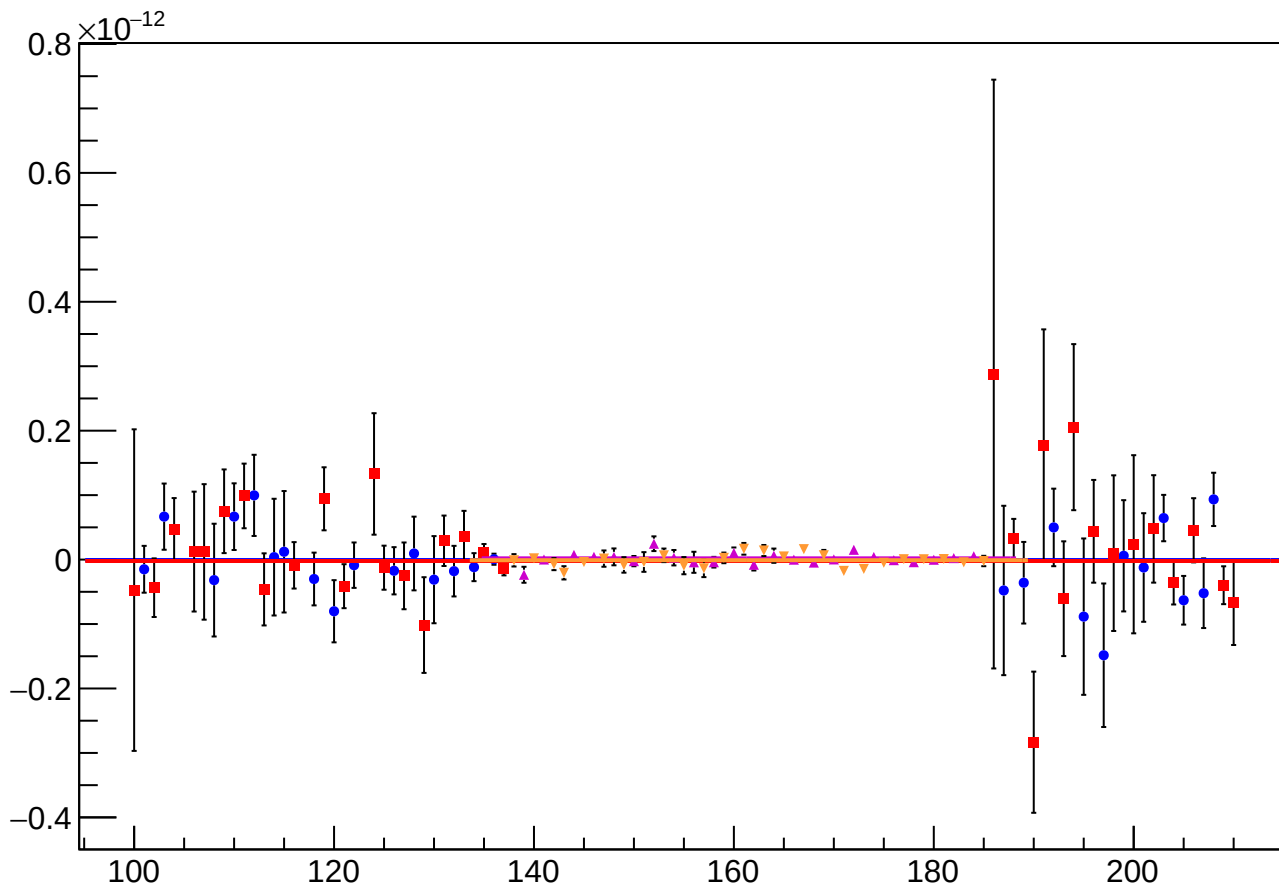
Left In: 28.389 $\pm$ 0.005 χ^2 /NDF:1098852.1/22

+ sign 30.469 $\pm$ 0.004 χ^2 /NDF: 5378826.8/51

All: 30.702 $\pm$ 0.003 χ^2 /NDF: 11323924.1/107

- sign 30.936 $\pm$ 0.004 χ^2 /NDF: 5937792.7/55

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 26.0/26

Left Out: -0.000+/-0.000 χ^2 /NDF:34.1/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 39.0/32

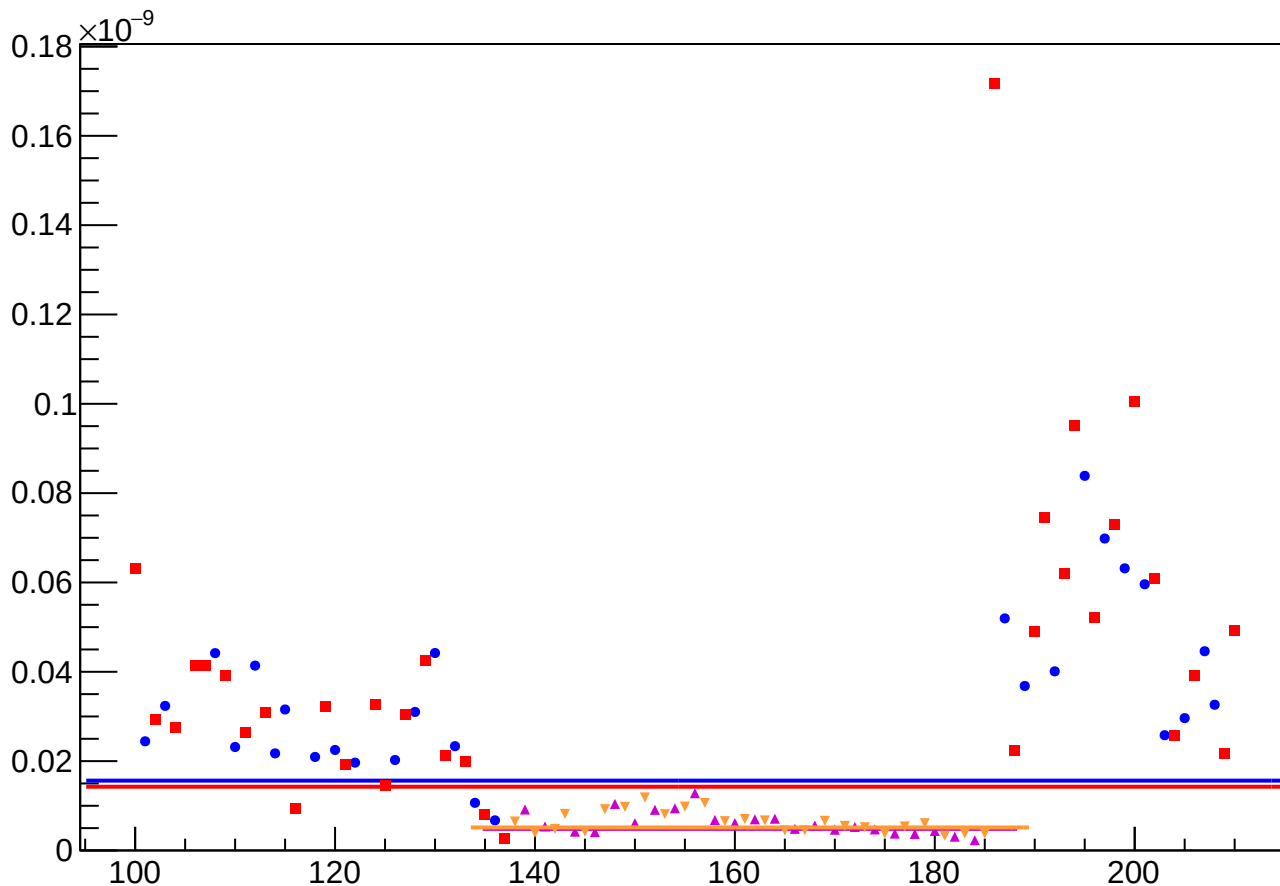
Left In: 0.000+/-0.000 χ^2 /NDF:19.5/22

+ sign -0.000+/-0.000 χ^2 /NDF: 60.1/51

All: 0.000+/-0.000 χ^2 /NDF: 120.8/107

- sign 0.000+/-0.000 χ^2 /NDF: 59.0/55

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8249405.5/26

Left Out: 0.000+/-0.000 χ^2/NDF : 3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11324494.0/32

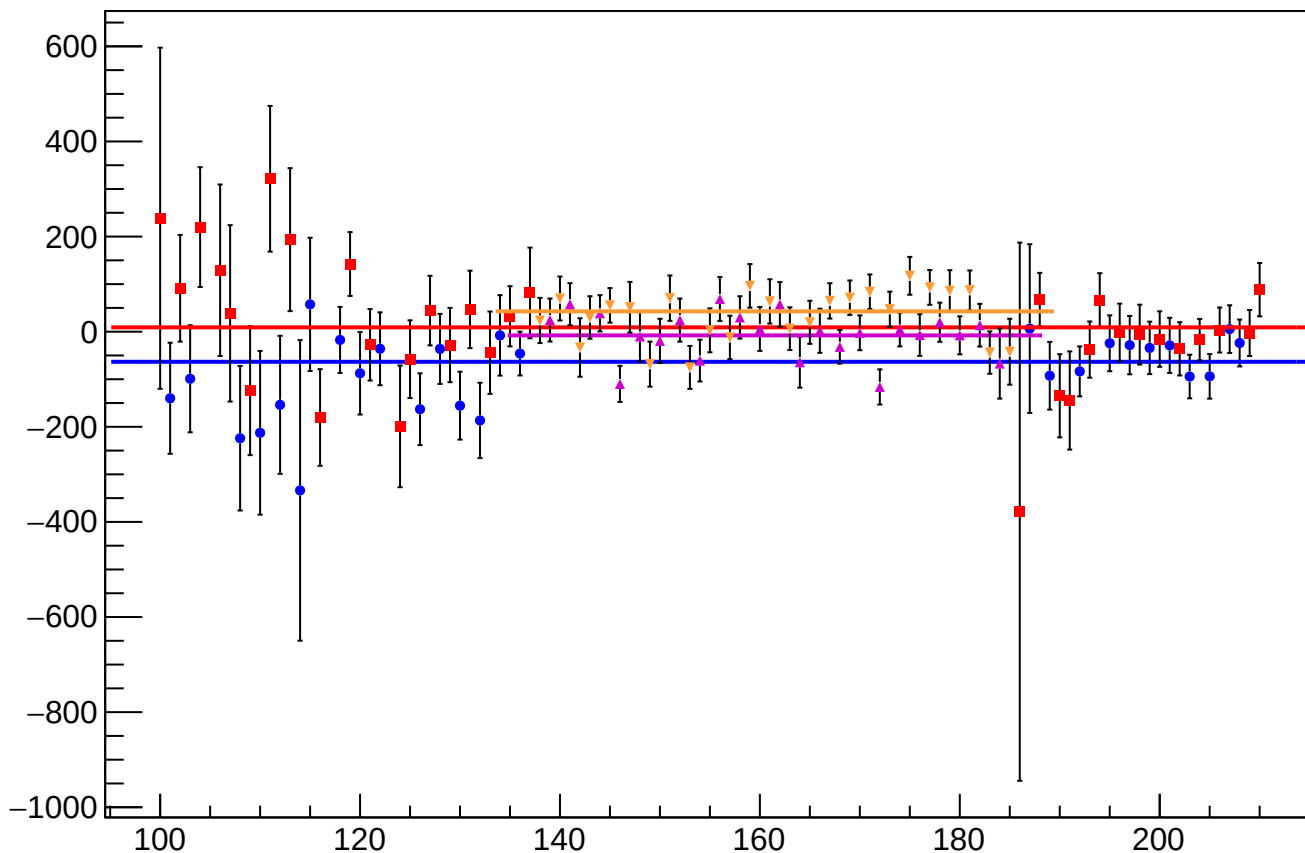
Left In: 0.000+/-0.000 χ^2/NDF : 3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 16484077.7/51

All: 0.000+/-0.000 χ^2/NDF : 35452527.1/107

- sign 0.000+/-0.000 χ^2/NDF : 18911540.4/55

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -63.317 ± 13.254 χ^2/NDF : 16.7/26

Left Out: 42.765 ± 8.698 χ^2/NDF : 34.7/24

Right Out: 9.097 ± 12.846 χ^2/NDF : 35.1/32

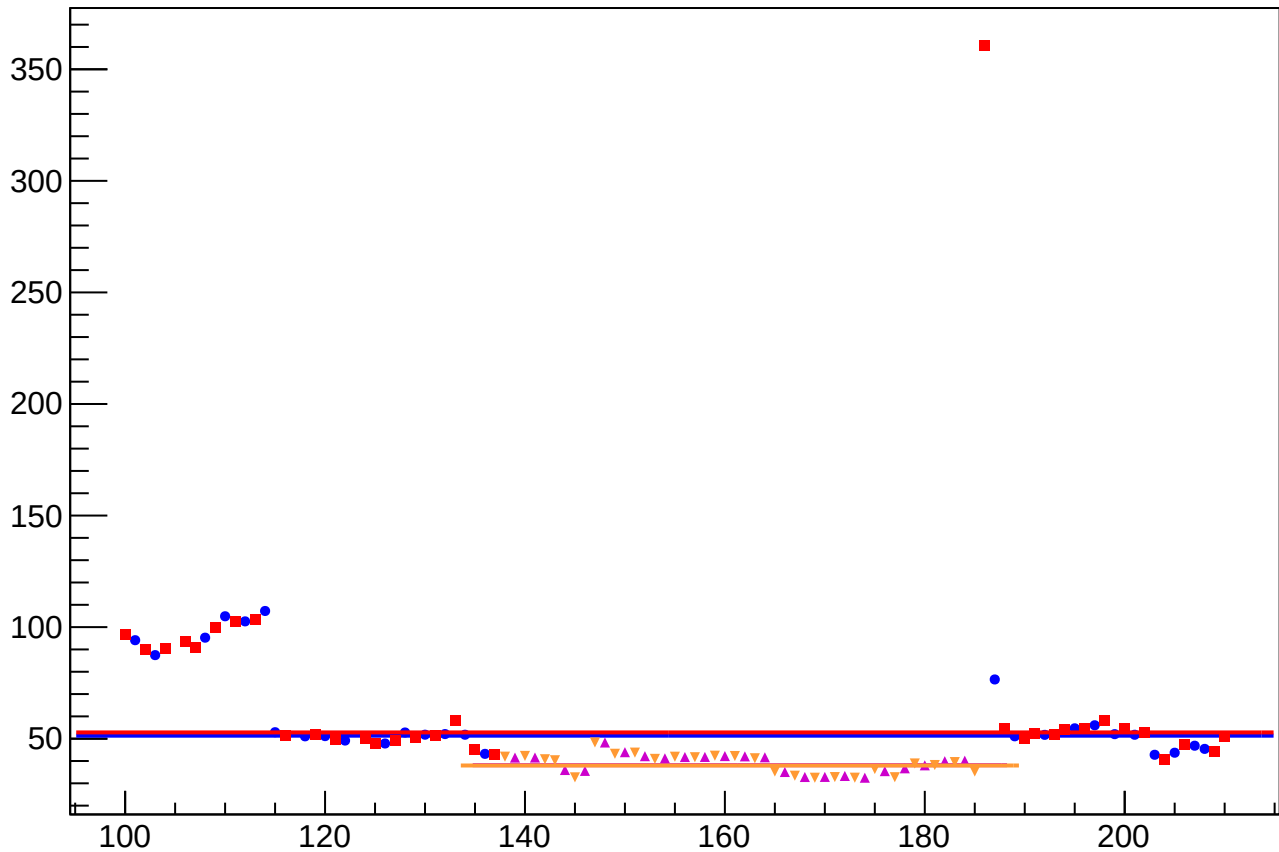
Left In: -7.783 ± 8.974 χ^2/NDF : 30.6/22

+ sign 10.831 ± 7.272 χ^2/NDF : 96.3/51

All: 4.368 ± 5.172 χ^2/NDF : 164.7/107

- sign -2.247 ± 7.357 χ^2/NDF : 66.8/55

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 51.354+/-0.009 χ^2/NDF : 1443586.4/26

Left Out: 37.990+/-0.006 χ^2/NDF : 513605.5/24

Right Out: 52.813+/-0.009 χ^2/NDF : 2238142.7/32

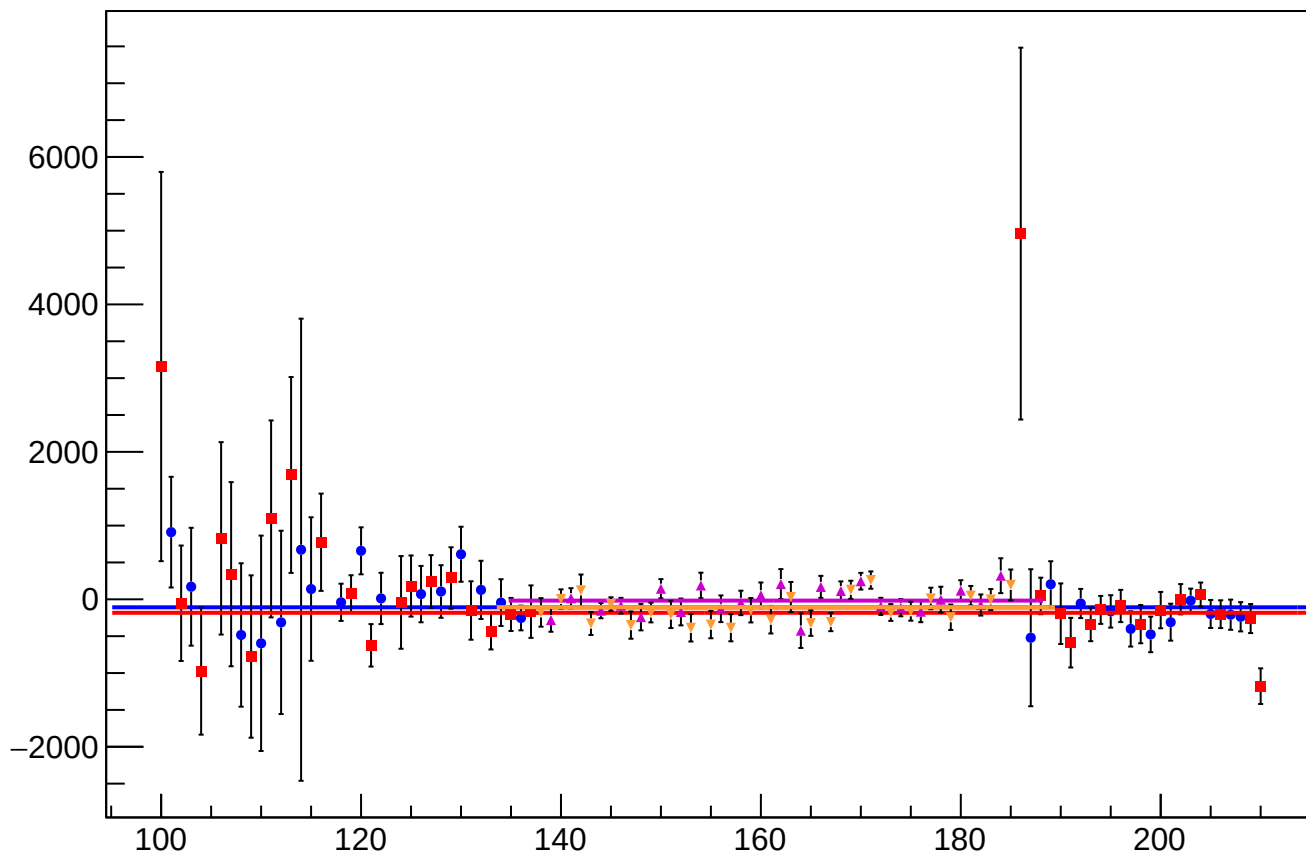
Left In: 38.133+/-0.006 χ^2/NDF : 428309.7/22

+ sign 42.013+/-0.005 χ^2/NDF : 3378394.5/51

All: 42.475+/-0.004 χ^2/NDF : 7816459.3/107

- sign 42.948+/-0.005 χ^2/NDF : 4421728.5/55

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: -108.369 ± 54.478 χ^2/NDF : 20.8/26

Left Out: -106.506 ± 29.563 χ^2/NDF : 37.6/24

Right Out: -182.595 ± 51.894 χ^2/NDF : 44.2/32

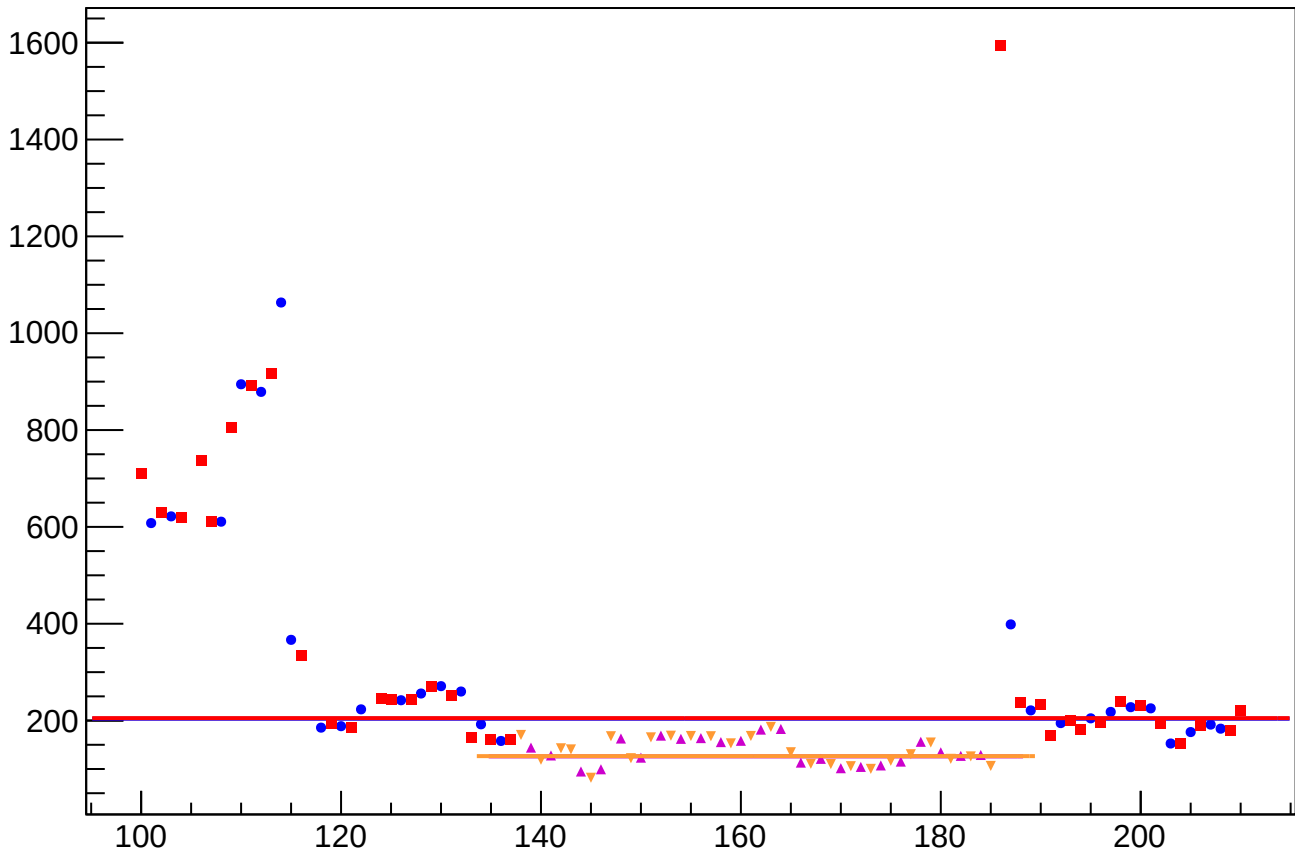
Left In: -17.517 ± 30.185 χ^2/NDF : 28.2/22

+ sign -106.930 ± 25.984 χ^2/NDF : 58.4/51

All: -83.189 ± 18.412 χ^2/NDF : 140.1/107

- sign -59.249 ± 26.092 χ^2/NDF : 80.0/55

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 203.827 $\pm$ 0.039 χ^2 /NDF: 3467645.1/26

Left Out: 126.561 $\pm$ 0.021 χ^2 /NDF:1758158.3/24

Right Out: 205.017 $\pm$ 0.037 χ^2 /NDF: 4776279.8/32

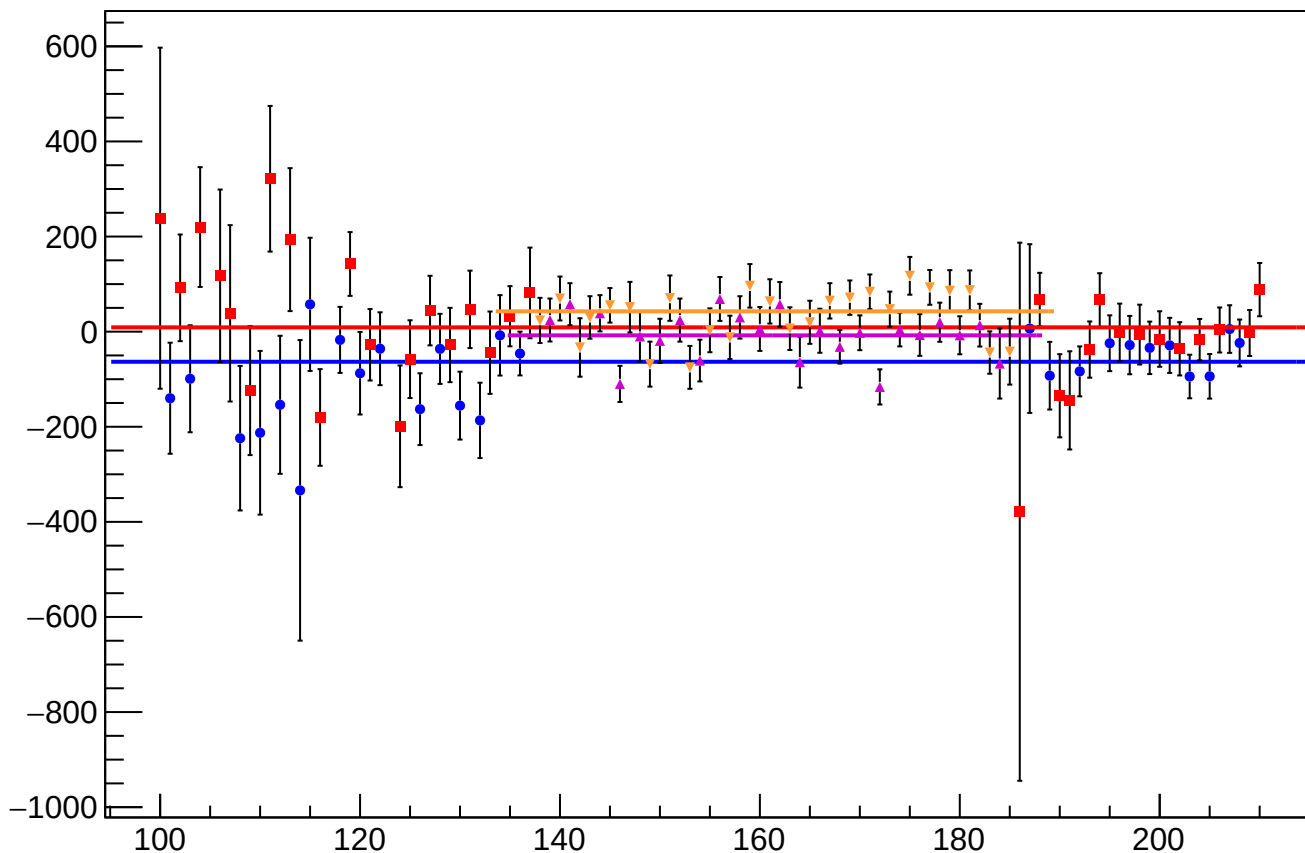
Left In: 126.013 $\pm$ 0.021 χ^2 /NDF:1410655.7/22

+ sign 144.138 $\pm$ 0.018 χ^2 /NDF: 8333737.7/51

All: 145.058 $\pm$ 0.013 χ^2 /NDF: 17989229.2/10

- sign 145.986 $\pm$ 0.018 χ^2 /NDF: 9650456.4/55

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -63.315 ± 13.254 χ^2/NDF : 16.7/26

Left Out: 42.767 ± 8.698 χ^2/NDF : 34.7/24

Right Out: 9.042 ± 12.846 χ^2/NDF : 35.0/32

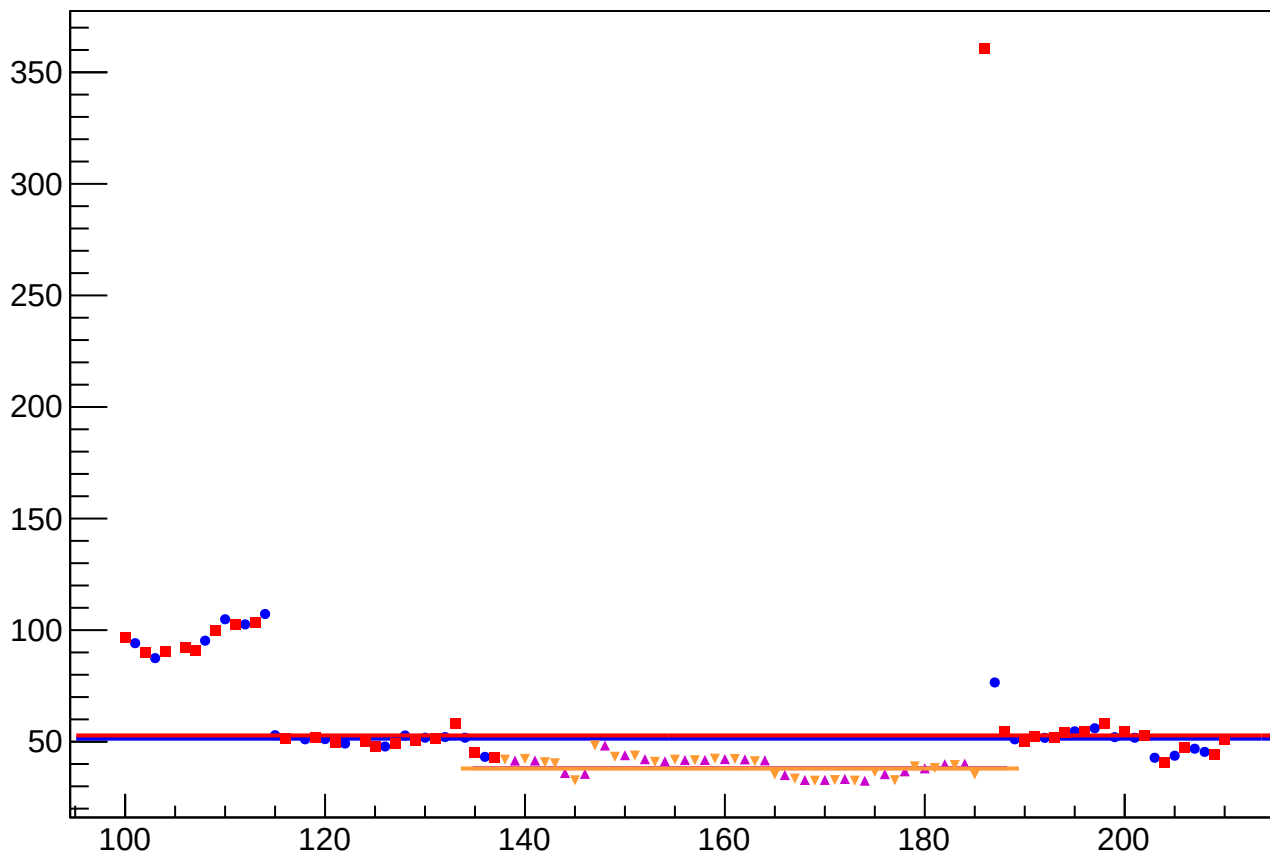
Left In: -7.785 ± 8.974 χ^2/NDF : 30.6/22

+ sign 10.833 ± 7.272 χ^2/NDF : 96.3/51

All: 4.359 ± 5.172 χ^2/NDF : 164.6/107

- sign -2.266 ± 7.357 χ^2/NDF : 66.8/55

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 51.354+/-0.009 χ^2/NDF : 1443586.7/26

Left Out: 37.990+/-0.006 χ^2/NDF : 513605.5/24

Right Out: 52.803+/-0.009 χ^2/NDF : 2229606.0/32

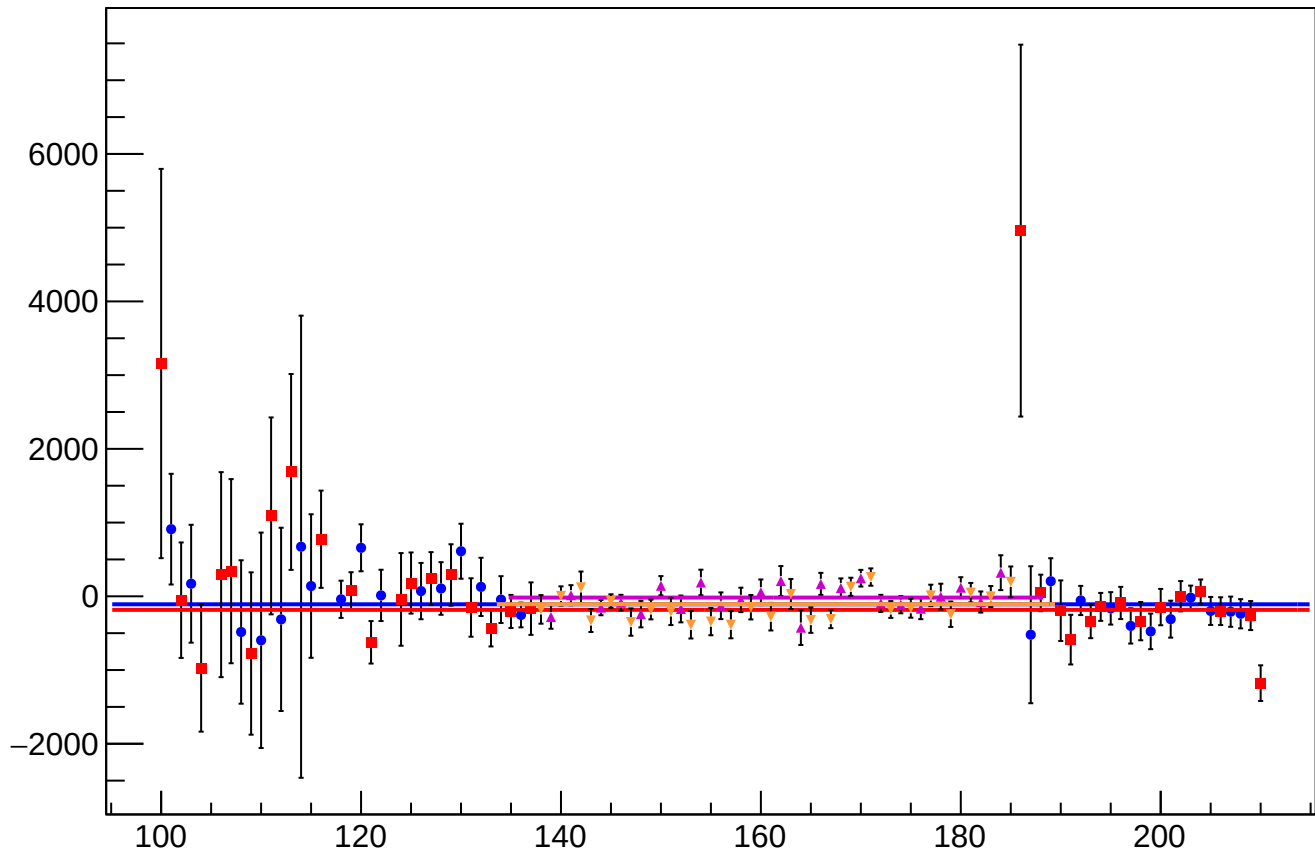
Left In: 38.133+/-0.006 χ^2/NDF : 428309.7/22

+ sign 42.013+/-0.005 χ^2/NDF : 3378394.7/51

All: 42.473+/-0.004 χ^2/NDF : 7805310.8/107

- sign 42.944+/-0.005 χ^2/NDF : 4410702.8/55

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: -108.367 ± 54.478 χ^2/NDF : 20.8/26

Left Out: -106.505 ± 29.563 χ^2/NDF : 37.6/24

Right Out: -183.517 ± 51.899 χ^2/NDF : 43.7/32

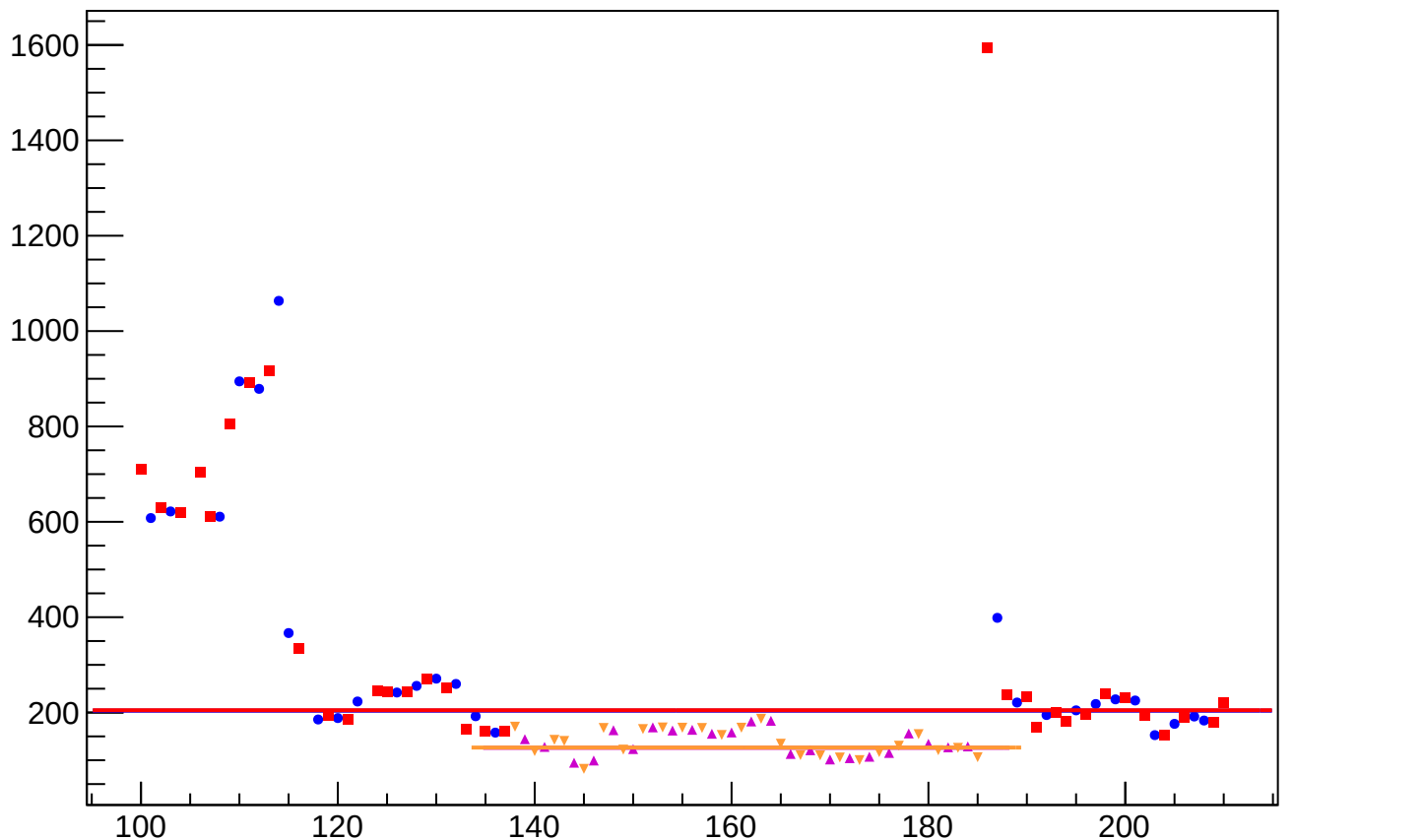
Left In: -17.517 ± 30.185 χ^2/NDF : 28.2/22

+ sign -106.929 ± 25.984 χ^2/NDF : 58.4/51

All: -83.302 ± 18.412 χ^2/NDF : 139.7/107

- sign -59.477 ± 26.093 χ^2/NDF : 79.6/55

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 203.827 $\pm$ 0.039 χ^2 /NDF: 3467654.0/26

Left Out: 126.561 $\pm$ 0.021 χ^2 /NDF:1758151.9/24

Right Out: 204.872 $\pm$ 0.037 χ^2 /NDF: 4702873.9/32

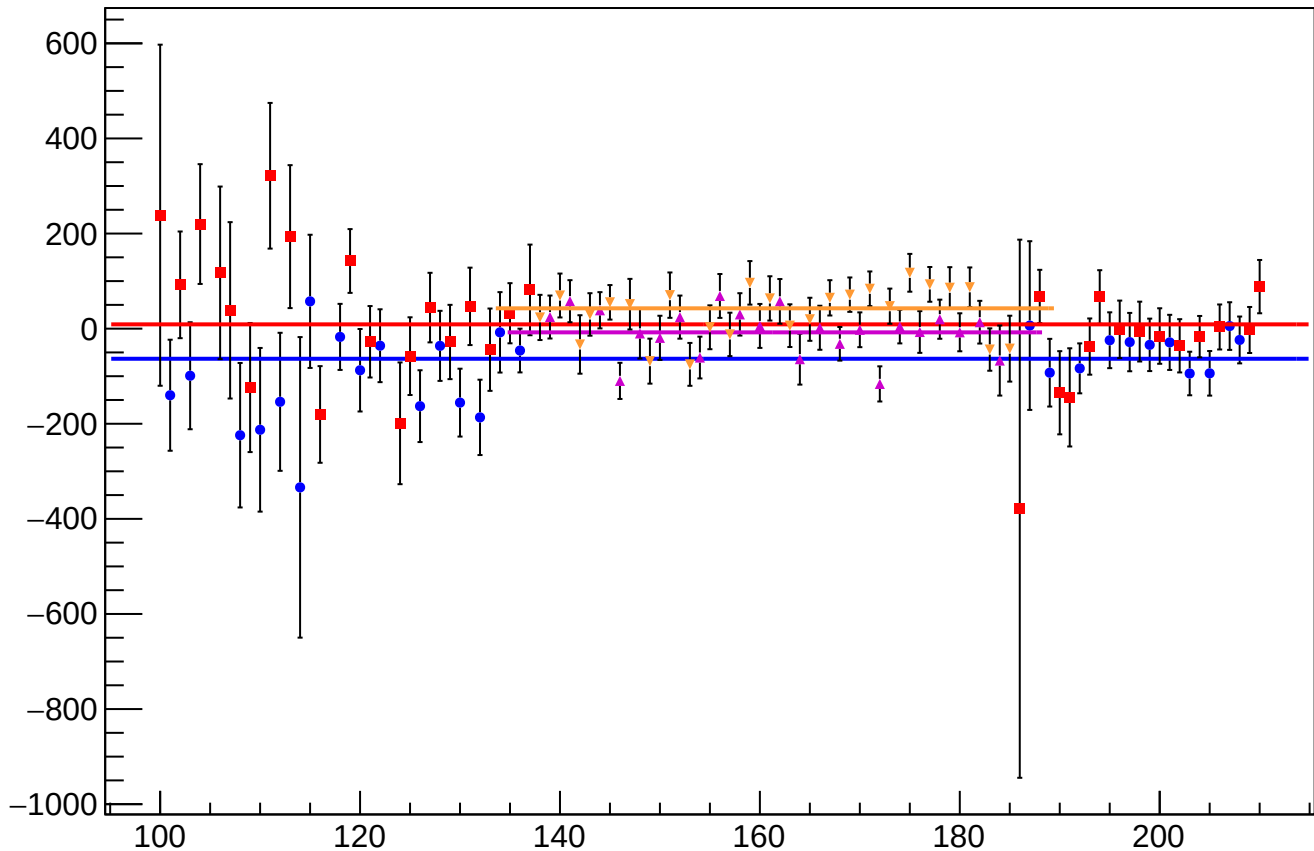
Left In: 126.013 $\pm$ 0.021 χ^2 /NDF:1410664.0/22

+ sign 144.138 $\pm$ 0.018 χ^2 /NDF: 8333733.1/51

All: 145.038 $\pm$ 0.013 χ^2 /NDF: 17902425.4/100

- sign 145.946 $\pm$ 0.018 χ^2 /NDF: 9563871.1/55

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -63.315 ± 13.254 χ^2/NDF : 16.7/26

Left Out: 42.767 ± 8.698 χ^2/NDF : 34.7/24

Right Out: 9.042 ± 12.846 χ^2/NDF : 35.0/32

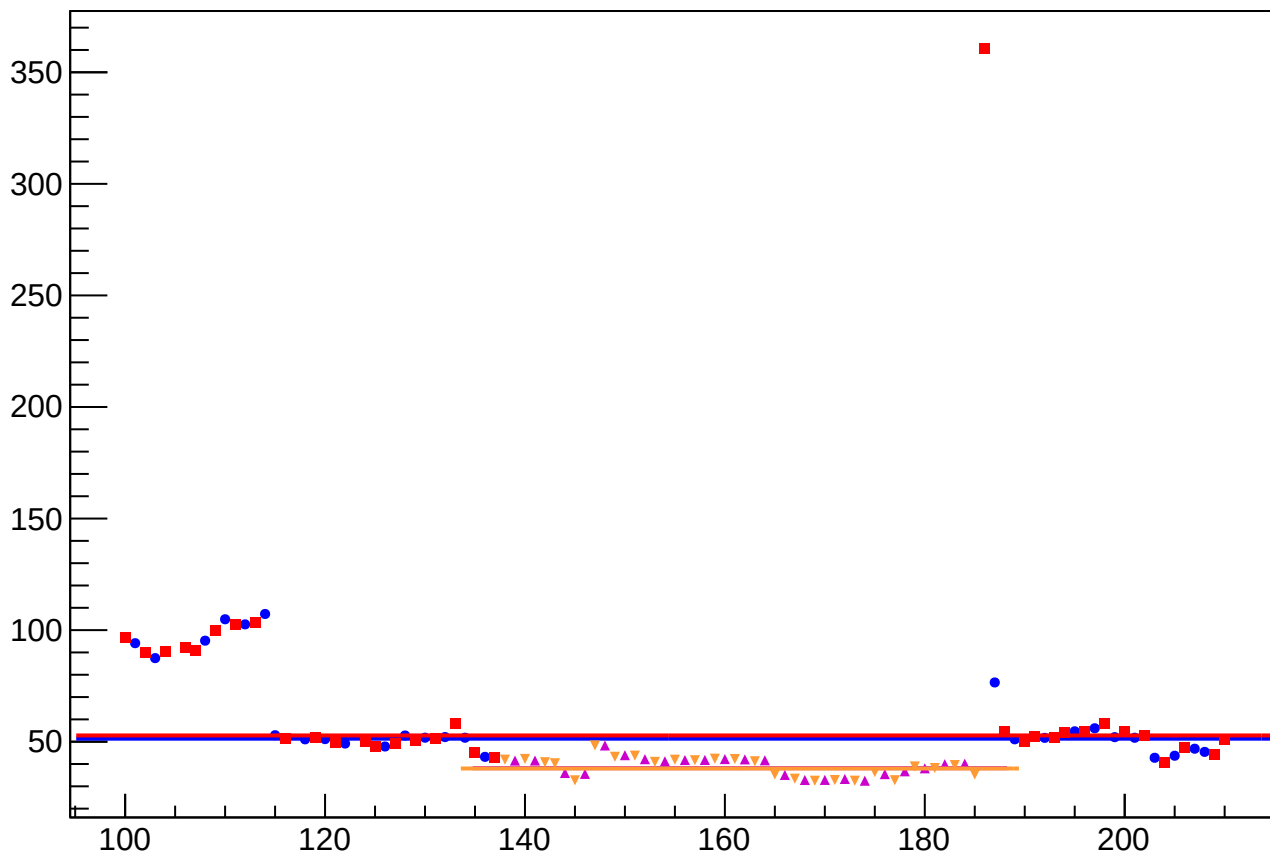
Left In: -7.785 ± 8.974 χ^2/NDF : 30.6/22

+ sign 10.833 ± 7.272 χ^2/NDF : 96.3/51

All: 4.359 ± 5.172 χ^2/NDF : 164.6/107

- sign -2.266 ± 7.357 χ^2/NDF : 66.8/55

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 51.354 $\pm$ 0.009 χ^2 /NDF: 1443586.7/26

Left Out: 37.990 $\pm$ 0.006 χ^2 /NDF: 513605.5/24

Right Out: 52.803 $\pm$ 0.009 χ^2 /NDF: 2229606.0/32

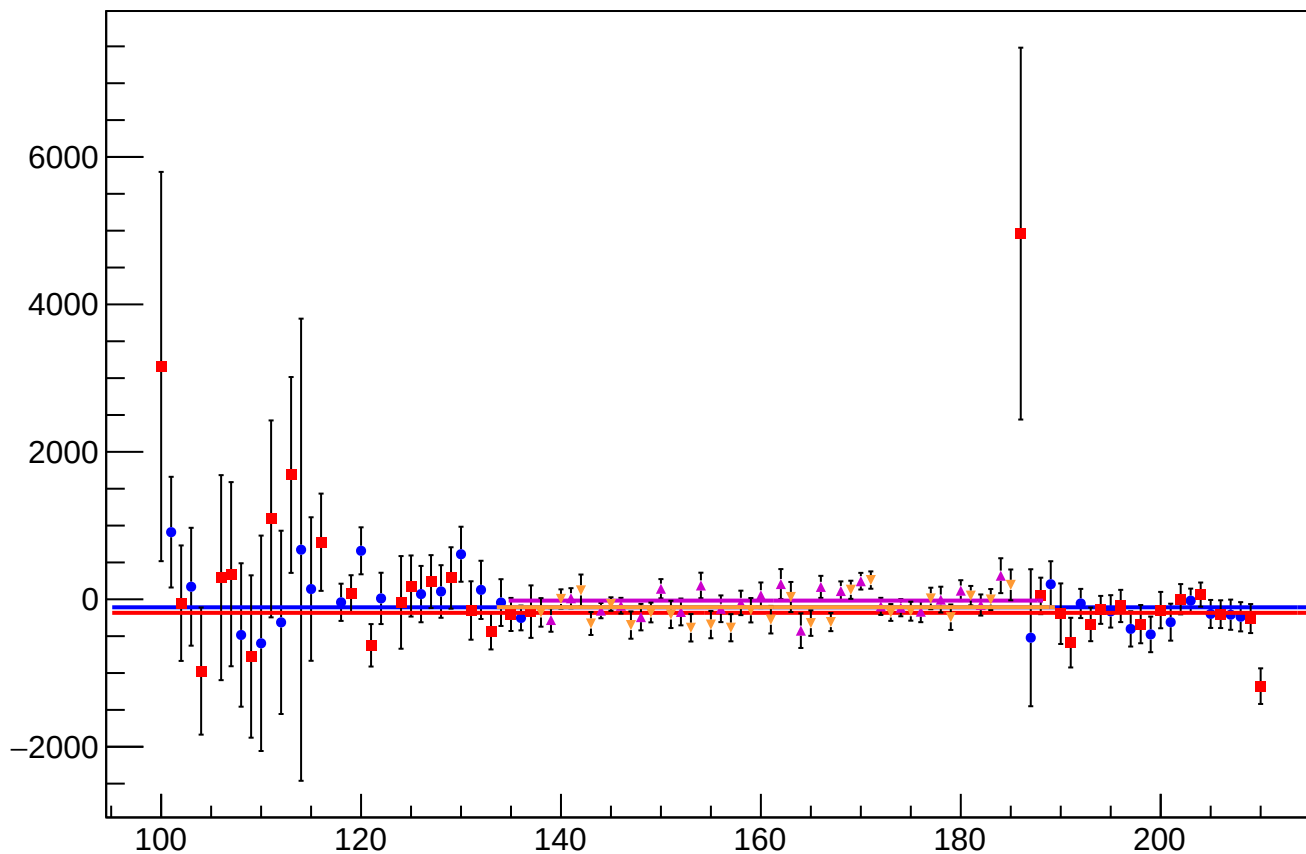
Left In: 38.133 $\pm$ 0.006 χ^2 /NDF: 428309.7/22

+ sign 42.013 $\pm$ 0.005 χ^2 /NDF: 3378394.7/51

All: 42.473 $\pm$ 0.004 χ^2 /NDF: 7805310.8/107

- sign 42.944 $\pm$ 0.005 χ^2 /NDF: 4410702.8/55

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug



Right In: -108.367 ± 54.478 χ^2/NDF : 20.8/26

Left Out: -106.505 ± 29.563 χ^2/NDF : 37.6/24

Right Out: -183.517 ± 51.899 χ^2/NDF : 43.7/32

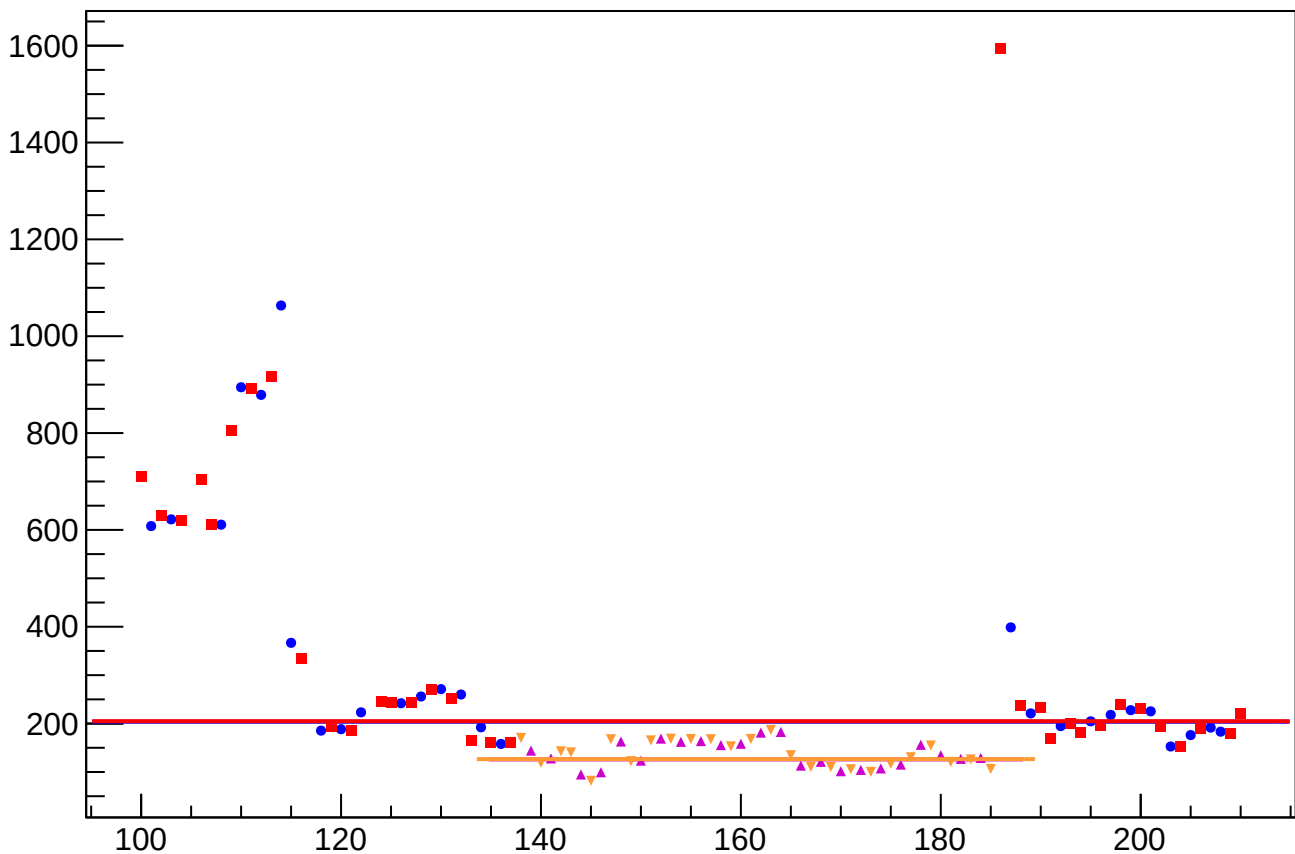
Left In: -17.517 ± 30.185 χ^2/NDF : 28.2/22

+ sign -106.929 ± 25.984 χ^2/NDF : 58.4/51

All: -83.302 ± 18.412 χ^2/NDF : 139.7/107

- sign -59.477 ± 26.093 χ^2/NDF : 79.6/55

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 203.827 $\pm$ 0.039 χ^2 /NDF: 3467654.0/26

Left Out: 126.561 $\pm$ 0.021 χ^2 /NDF:1758151.9/24

Right Out: 204.872 $\pm$ 0.037 χ^2 /NDF: 4702873.9/32

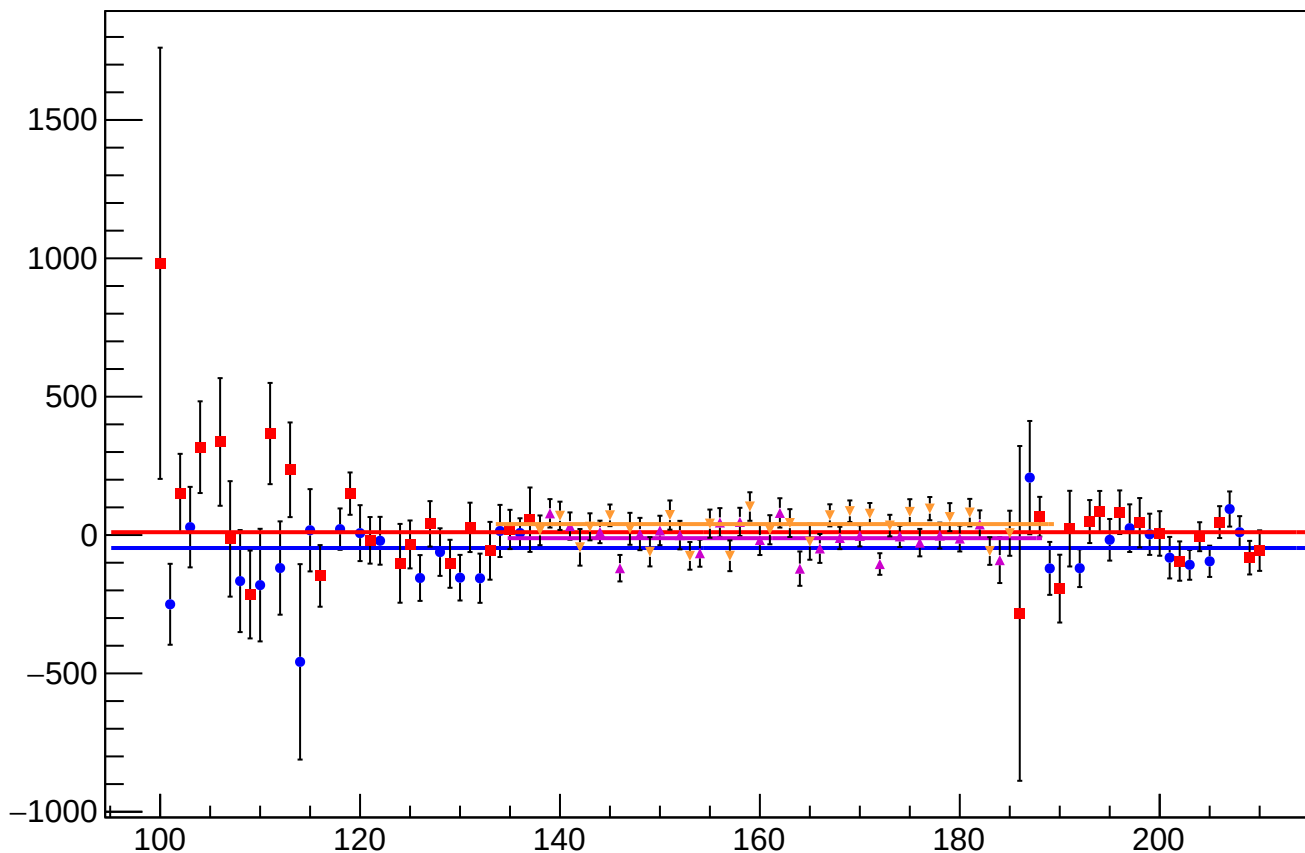
Left In: 126.013 $\pm$ 0.021 χ^2 /NDF:1410664.0/22

+ sign 144.138 $\pm$ 0.018 χ^2 /NDF: 8333733.1/51

All: 145.038 $\pm$ 0.013 χ^2 /NDF: 17902425.4/100

- sign 145.946 $\pm$ 0.018 χ^2 /NDF: 9563871.1/55

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -46.844 $\pm$ 16.044 χ^2/NDF : 25.1/26

Left Out: 39.563 $\pm$ 9.745 χ^2/NDF :29.6/24

Right Out: 10.299 $\pm$ 15.797 χ^2/NDF : 36.0/32

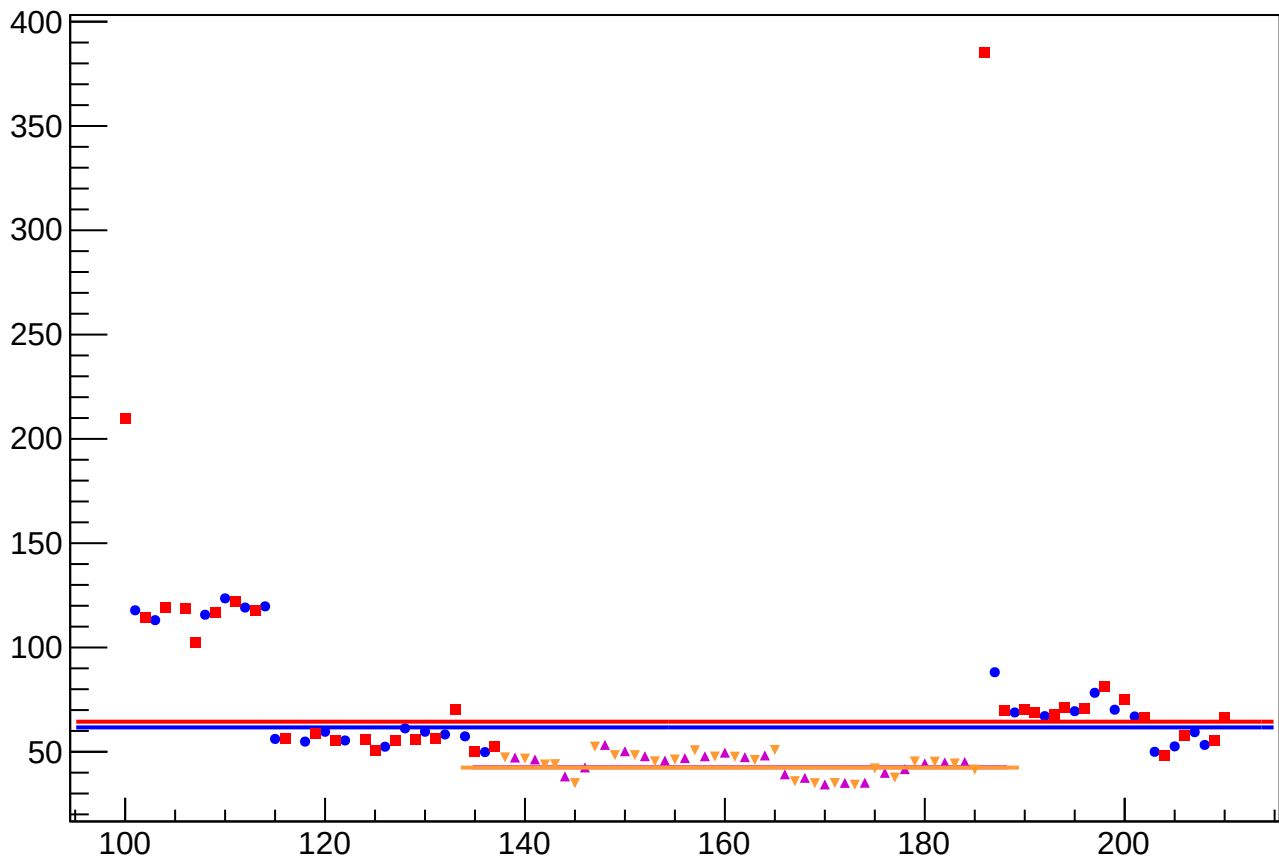
Left In: -11.306 $\pm$ 10.077 χ^2/NDF :27.9/22

+ sign 16.275 $\pm$ 8.329 χ^2/NDF : 75.9/51

All: 5.820 $\pm$ 5.948 χ^2/NDF : 144.3/107

- sign -5.057 $\pm$ 8.496 χ^2/NDF : 65.3/55

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.699 $\pm$ 0.011 χ^2 /NDF: 1729101.8/26

Left Out: 42.426 $\pm$ 0.007 χ^2 /NDF: 698766.0/24

Right Out: 64.429 $\pm$ 0.011 χ^2 /NDF: 2575448.9/32

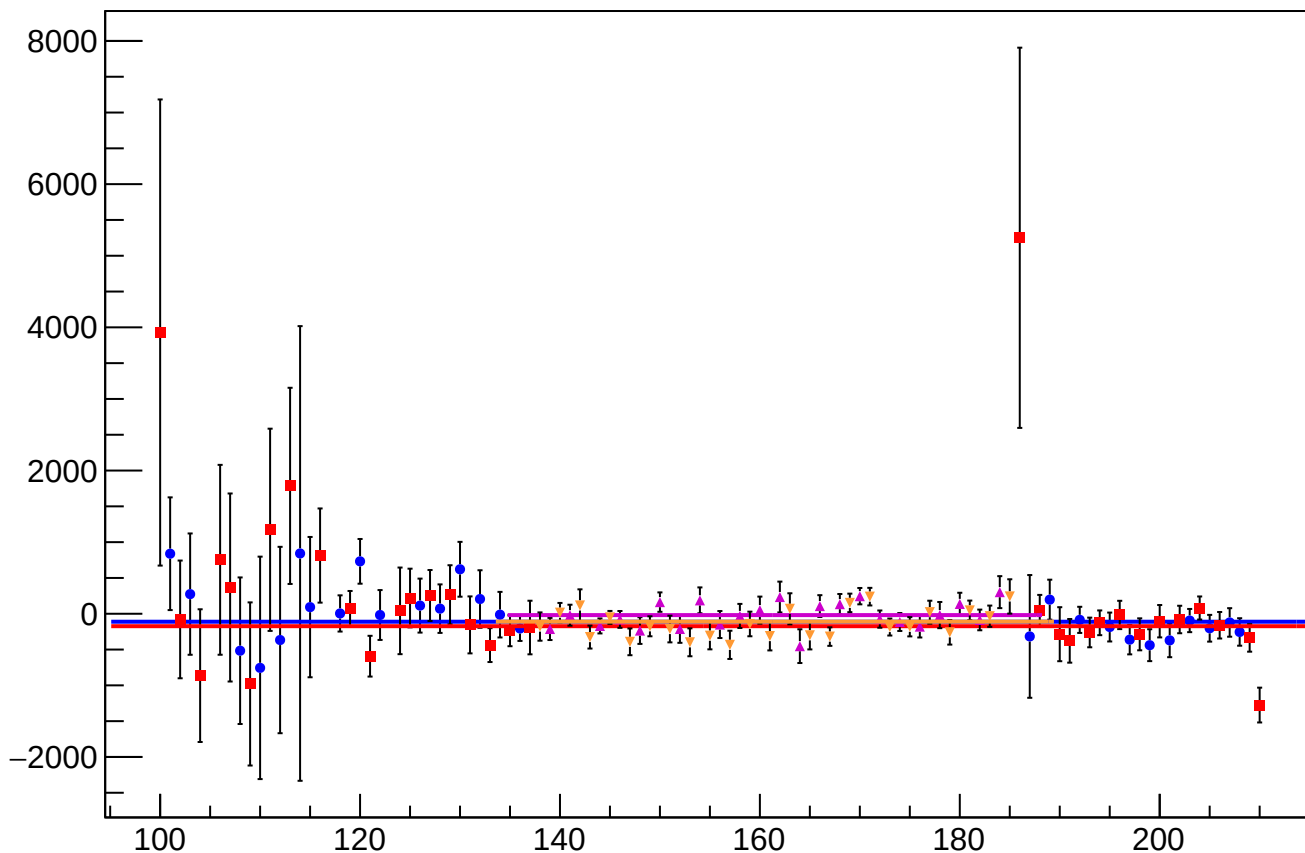
Left In: 42.579 $\pm$ 0.007 χ^2 /NDF: 589897.0/22

+ sign 47.621 $\pm$ 0.006 χ^2 /NDF: 4536144.5/51

All: 48.247 $\pm$ 0.004 χ^2 /NDF: 10444061.6/107

- sign 48.898 $\pm$ 0.006 χ^2 /NDF: 5884845.2/55

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -111.245 ± 52.566 χ^2/NDF : 22.2/26

Left Out: -109.869 ± 30.759 χ^2/NDF : 36.3/24

Right Out: -173.766 ± 49.326 χ^2/NDF : 47.5/32

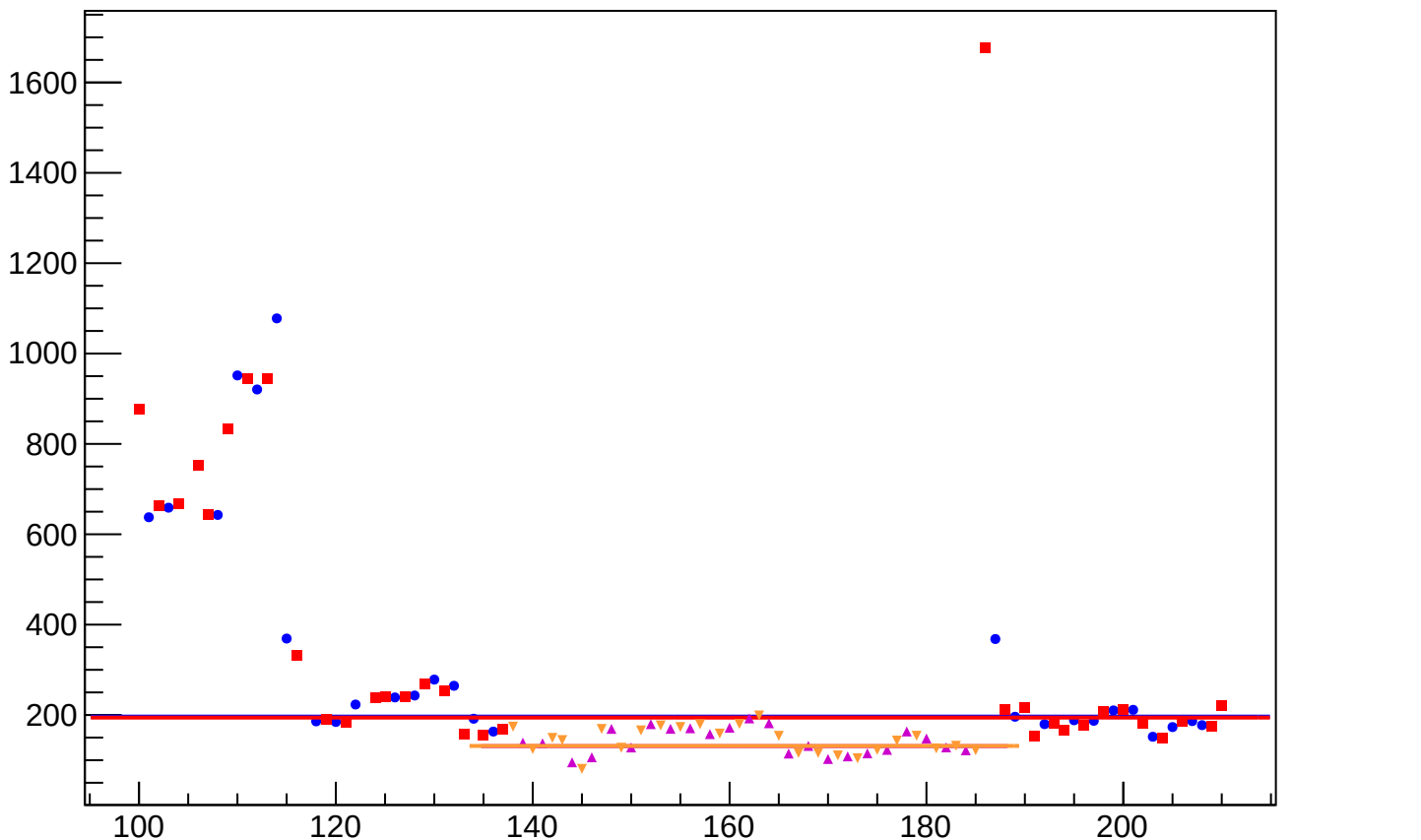
Left In: -18.838 ± 31.477 χ^2/NDF : 27.2/22

+ sign -110.220 ± 26.548 χ^2/NDF : 58.5/51

All: -86.934 ± 18.767 χ^2/NDF : 141.7/107

- sign -63.671 ± 26.534 χ^2/NDF : 81.7/55

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 196.423+/-0.037 χ^2/NDF : 3543712.0/26

Left Out: 131.515+/-0.022 χ^2/NDF :1902958.8/24

Right Out: 194.235+/-0.035 χ^2/NDF : 5009527.1/32

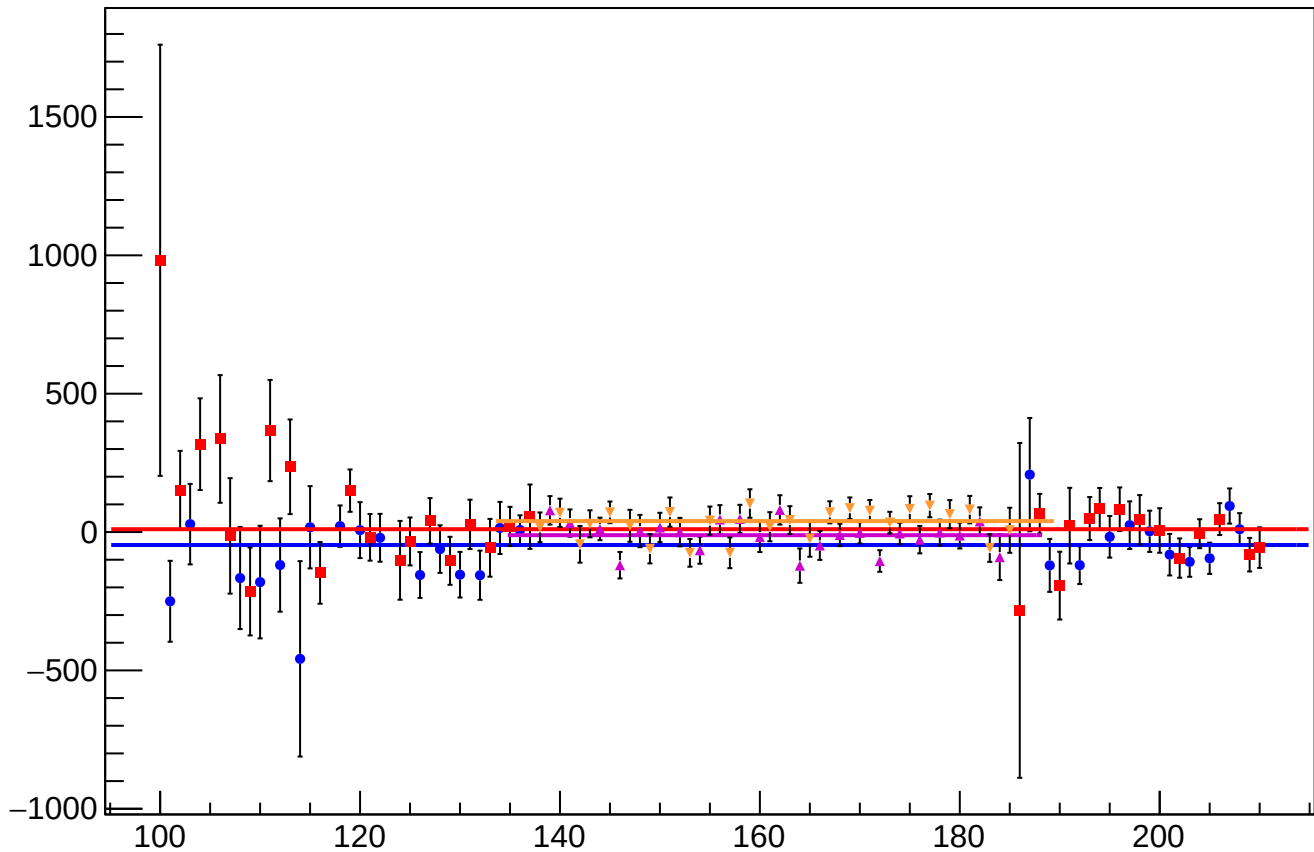
Left In: 131.074+/-0.022 χ^2/NDF :1467806.6/22

+ sign 148.071+/-0.019 χ^2/NDF : 7718289.5/51

All: 148.711+/-0.013 χ^2/NDF : 16528290.1/10

- sign 149.351+/-0.019 χ^2/NDF : 8807671.6/55

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -46.844 ± 16.044 χ^2/NDF : 25.1/26

Left Out: 39.564 ± 9.745 χ^2/NDF : 29.6/24

Right Out: 10.300 ± 15.797 χ^2/NDF : 36.0/32

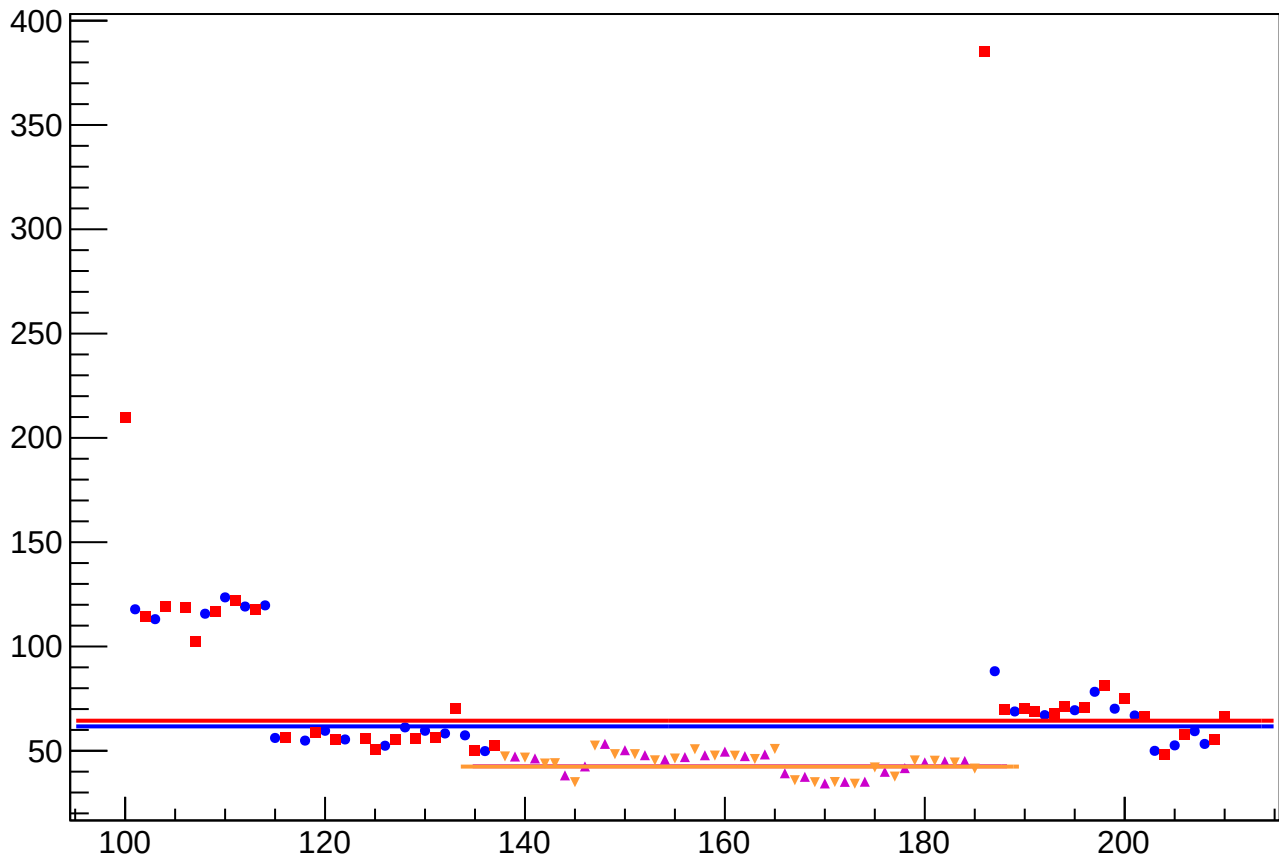
Left In: -11.306 ± 10.077 χ^2/NDF : 27.9/22

+ sign 16.275 ± 8.329 χ^2/NDF : 75.9/51

All: 5.820 ± 5.948 χ^2/NDF : 144.3/107

- sign -5.057 ± 8.496 χ^2/NDF : 65.3/55

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.699 $\pm$ 0.011 χ^2 /NDF: 1729085.2/26

Left Out: 42.426 $\pm$ 0.007 χ^2 /NDF: 698784.4/24

Right Out: 64.429 $\pm$ 0.011 χ^2 /NDF: 2575424.2/32

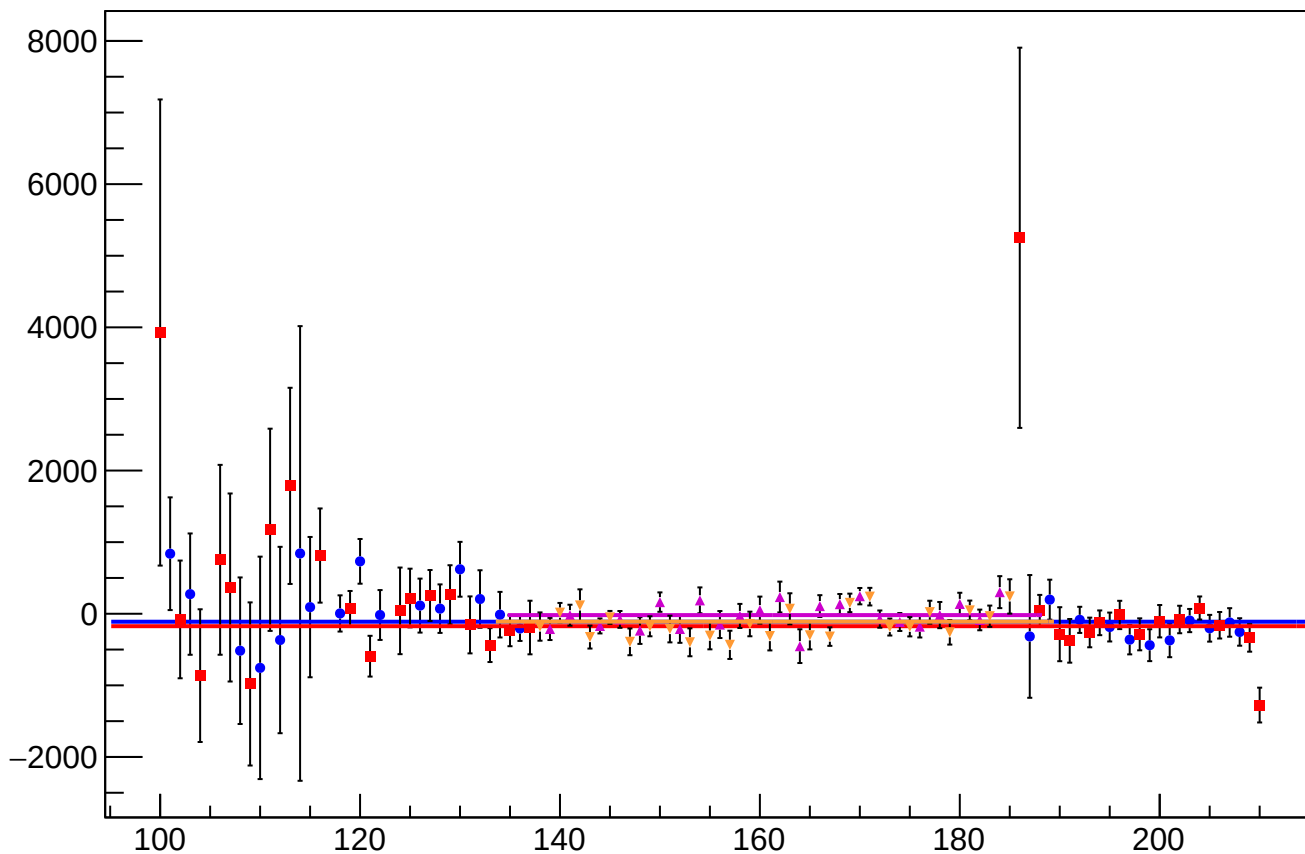
Left In: 42.579 $\pm$ 0.007 χ^2 /NDF: 589901.9/22

+ sign 47.621 $\pm$ 0.006 χ^2 /NDF: 4536160.8/51

All: 48.247 $\pm$ 0.004 χ^2 /NDF: 10444096.6/107

- sign 48.899 $\pm$ 0.006 χ^2 /NDF: 5884860.0/55

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug



Right In: -111.246 ± 52.566 χ^2/NDF : 22.2/26

Left Out: -109.869 ± 30.759 χ^2/NDF : 36.3/24

Right Out: -173.765 ± 49.325 χ^2/NDF : 47.5/32

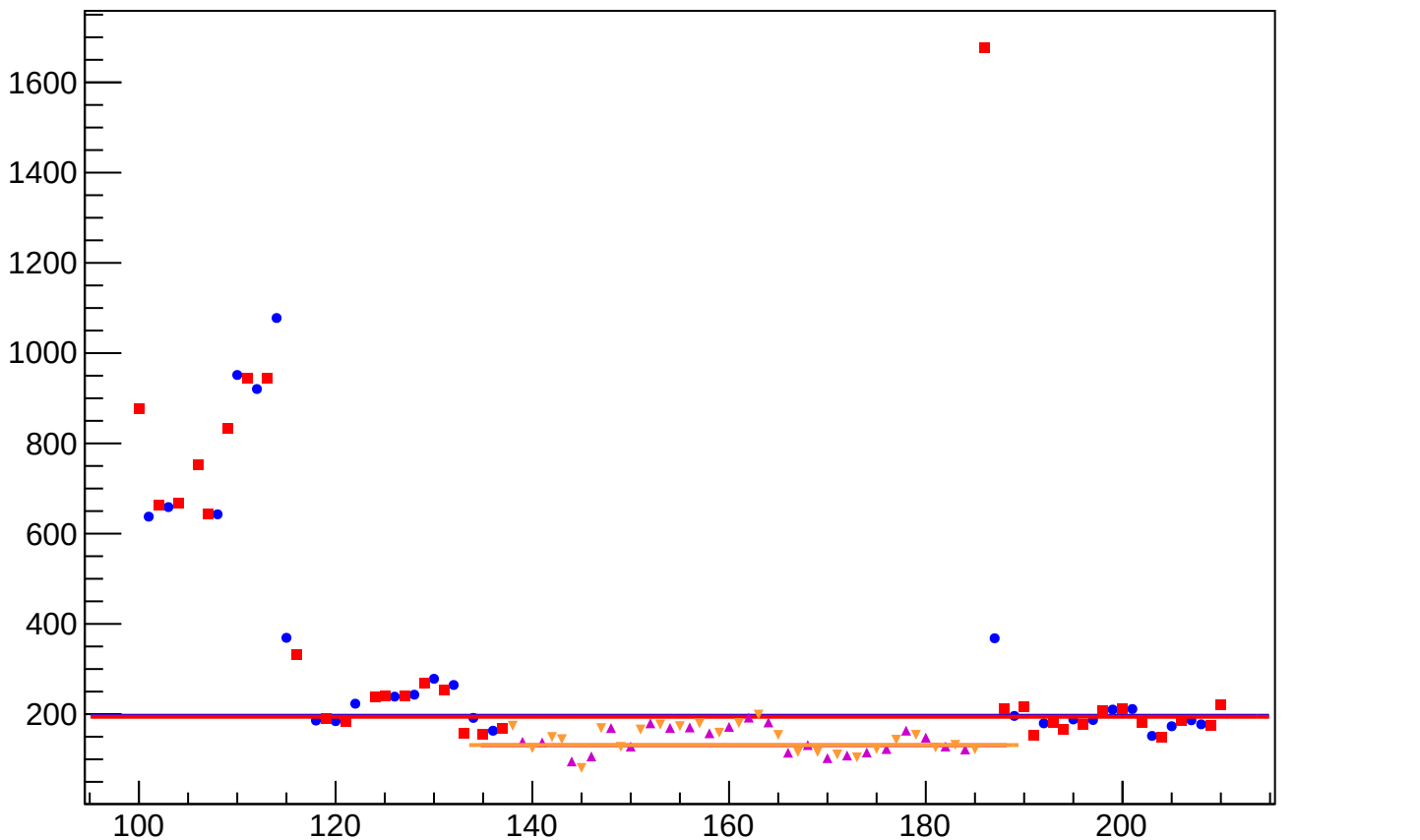
Left In: -18.838 ± 31.477 χ^2/NDF : 27.2/22

+ sign -110.220 ± 26.548 χ^2/NDF : 58.5/51

All: -86.934 ± 18.767 χ^2/NDF : 141.7/107

- sign -63.671 ± 26.534 χ^2/NDF : 81.7/55

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug



Right In: 196.423+/-0.037 χ^2/NDF : 3543706.4/26

Left Out: 131.515+/-0.022 χ^2/NDF :1902951.8/24

Right Out: 194.234+/-0.035 χ^2/NDF : 5009530.0/32

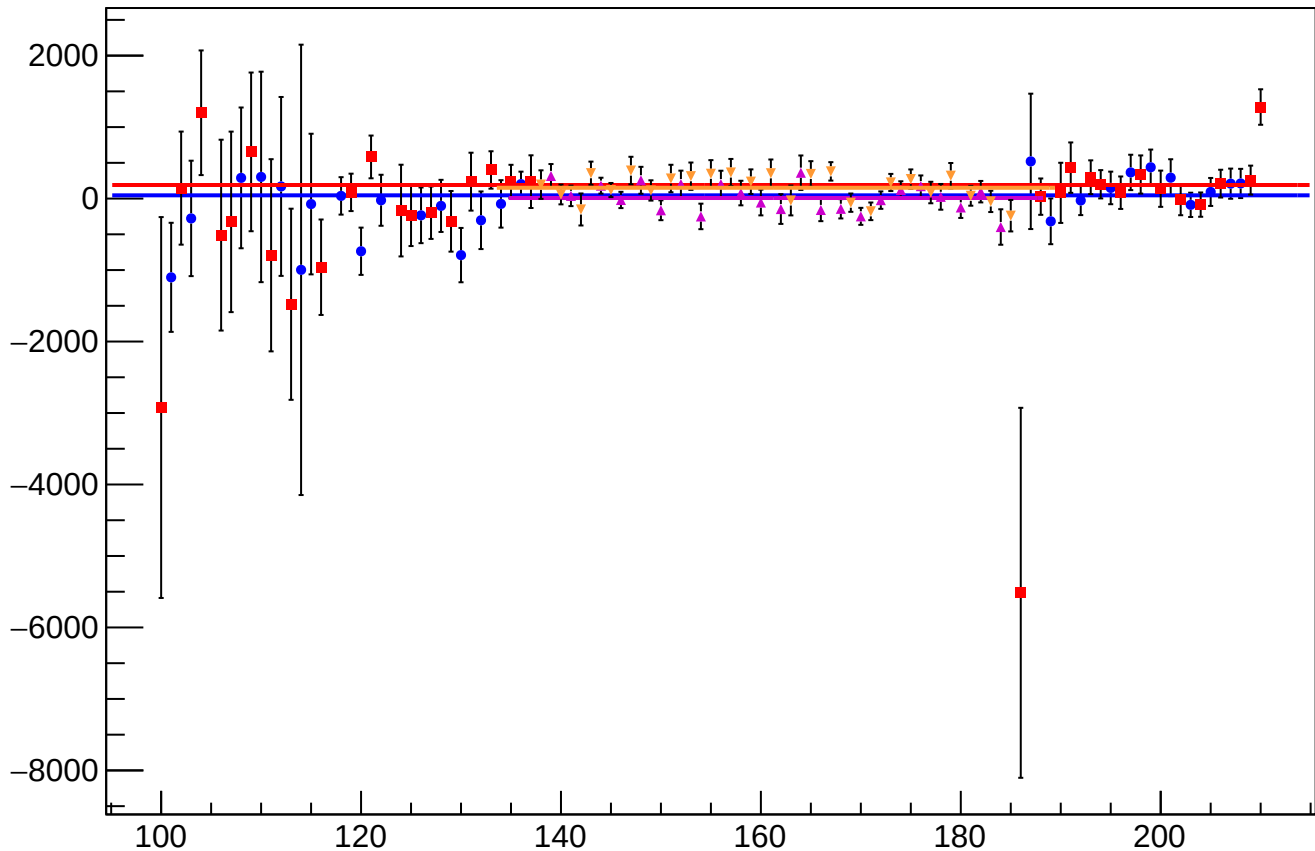
Left In: 131.074+/-0.022 χ^2/NDF :1467810.7/22

+ sign 148.071+/-0.019 χ^2/NDF : 7718225.5/51

All: 148.711+/-0.013 χ^2/NDF : 16528177.7/10

- sign 149.351+/-0.019 χ^2/NDF : 8807623.5/55

asym_sam_37_26_dd_mean vs Slug



Right In: 45.486 ± 56.245 χ^2/NDF : 24.4/26

Left Out: 151.108 ± 30.952 χ^2/NDF : 33.1/24

Right Out: 189.960 ± 53.675 χ^2/NDF : 44.5/32

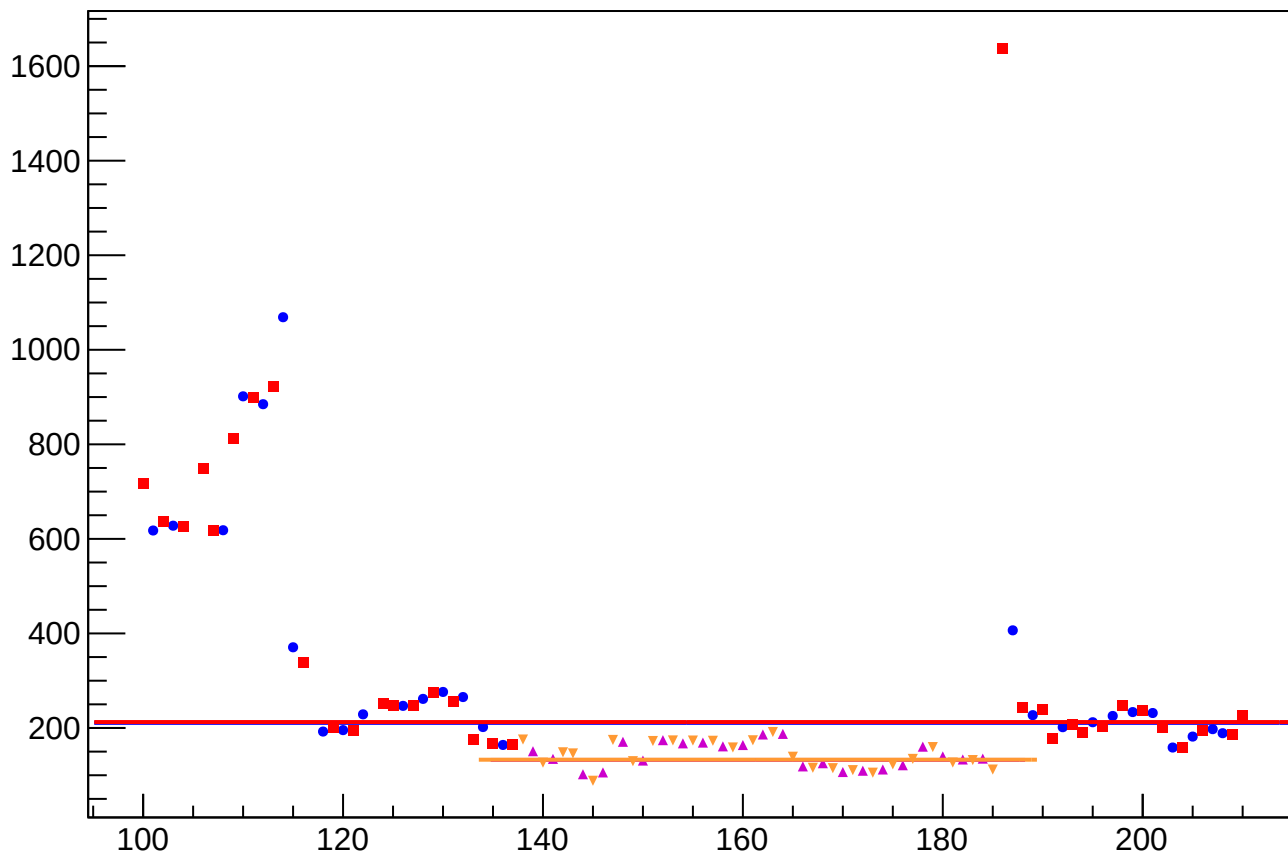
Left In: 7.941 ± 31.621 χ^2/NDF : 29.5/22

+ sign 126.557 ± 27.117 χ^2/NDF : 60.2/51

All: 90.866 ± 19.220 χ^2/NDF : 146.2/107

- sign 54.837 ± 27.245 χ^2/NDF : 82.5/55

asym_sam_37_26_dd_rms vs Slug



Right In: 210.831+/-0.040 χ^2/NDF : 3378031.7/26

Left Out: 132.876+/-0.022 χ^2/NDF : 1592310.5/24

Right Out: 212.524+/-0.038 χ^2/NDF : 4653330.8/32

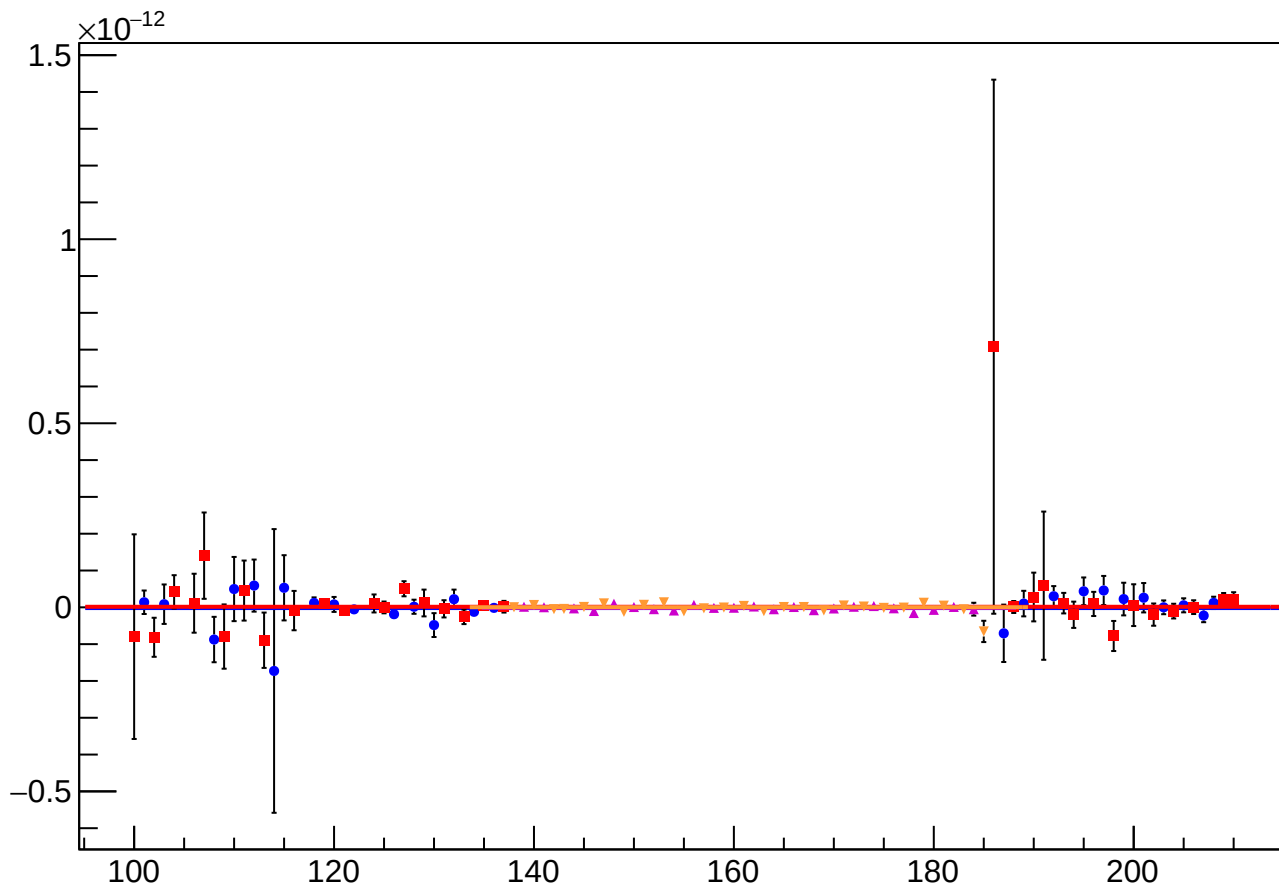
Left In: 132.342+/-0.022 χ^2/NDF : 1277761.6/22

+ sign 150.996+/-0.019 χ^2/NDF : 7919251.5/51

All: 151.993+/-0.014 χ^2/NDF : 17169013.2/10

- sign 153.000+/-0.019 χ^2/NDF : 9244322.7/55

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:32.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.2/32

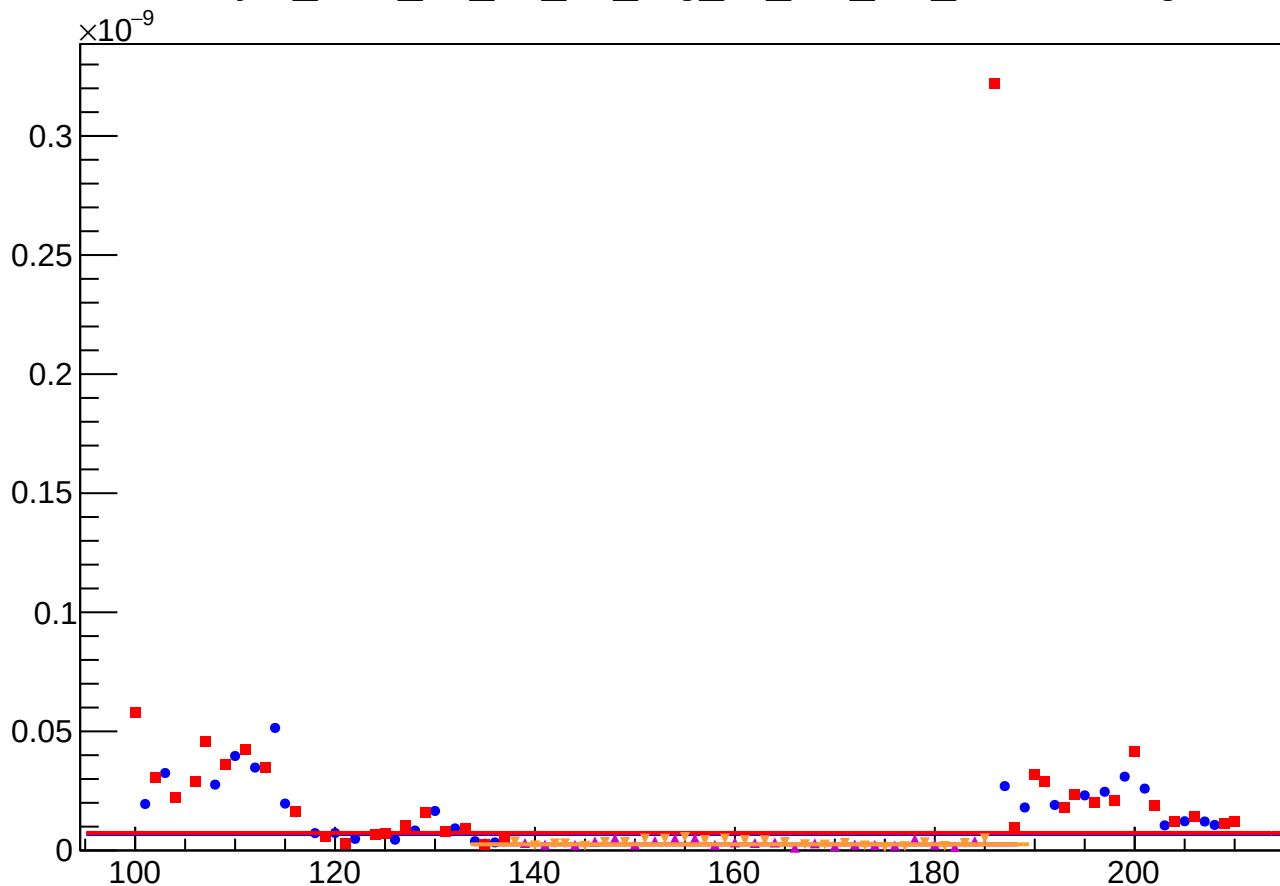
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:14.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.5/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 95.9/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 42.8/55

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6130986.6/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2174042.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7503568.8/32

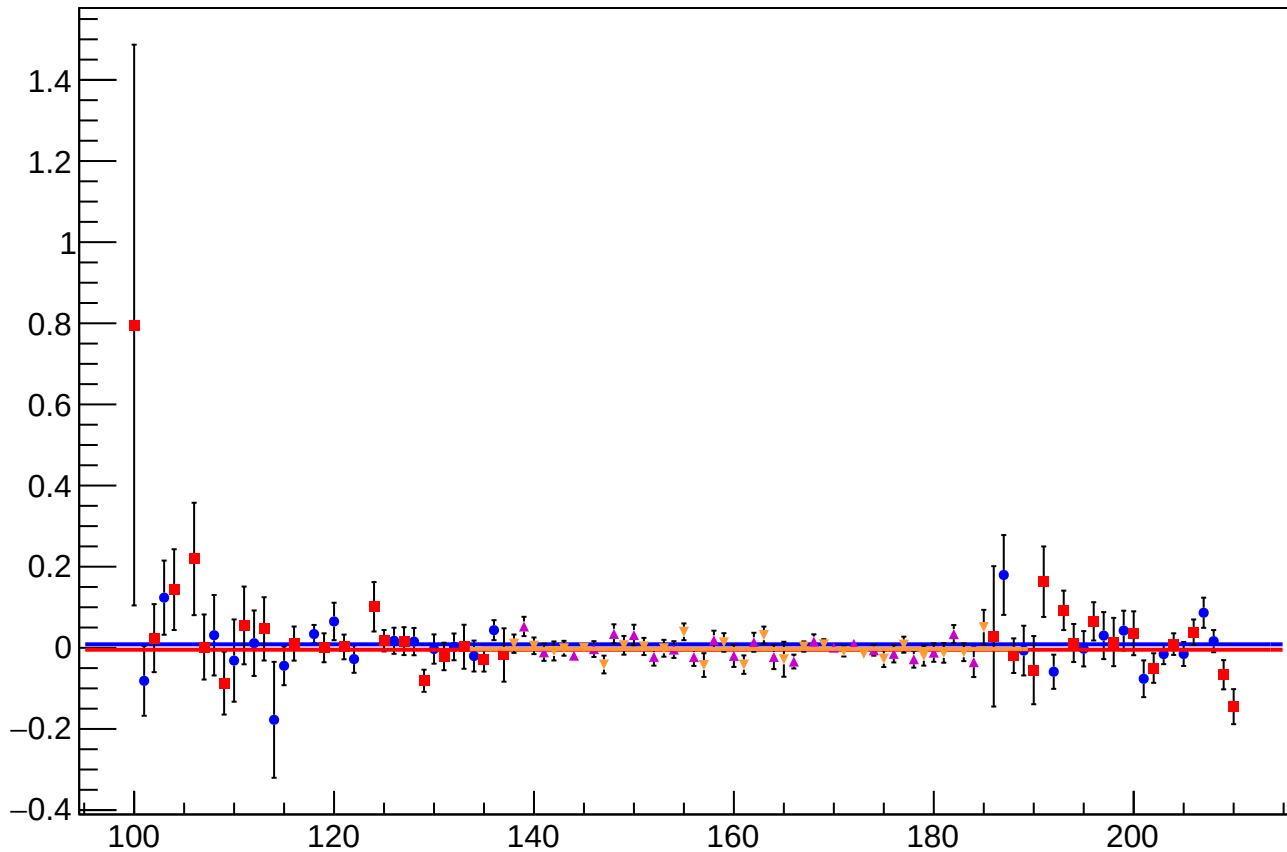
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1530752.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11437121.7/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 24088363.6/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12651090.1/55

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 ± 0.007 χ^2/NDF : 28.5/26

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.005 ± 0.008 χ^2/NDF : 49.9/32

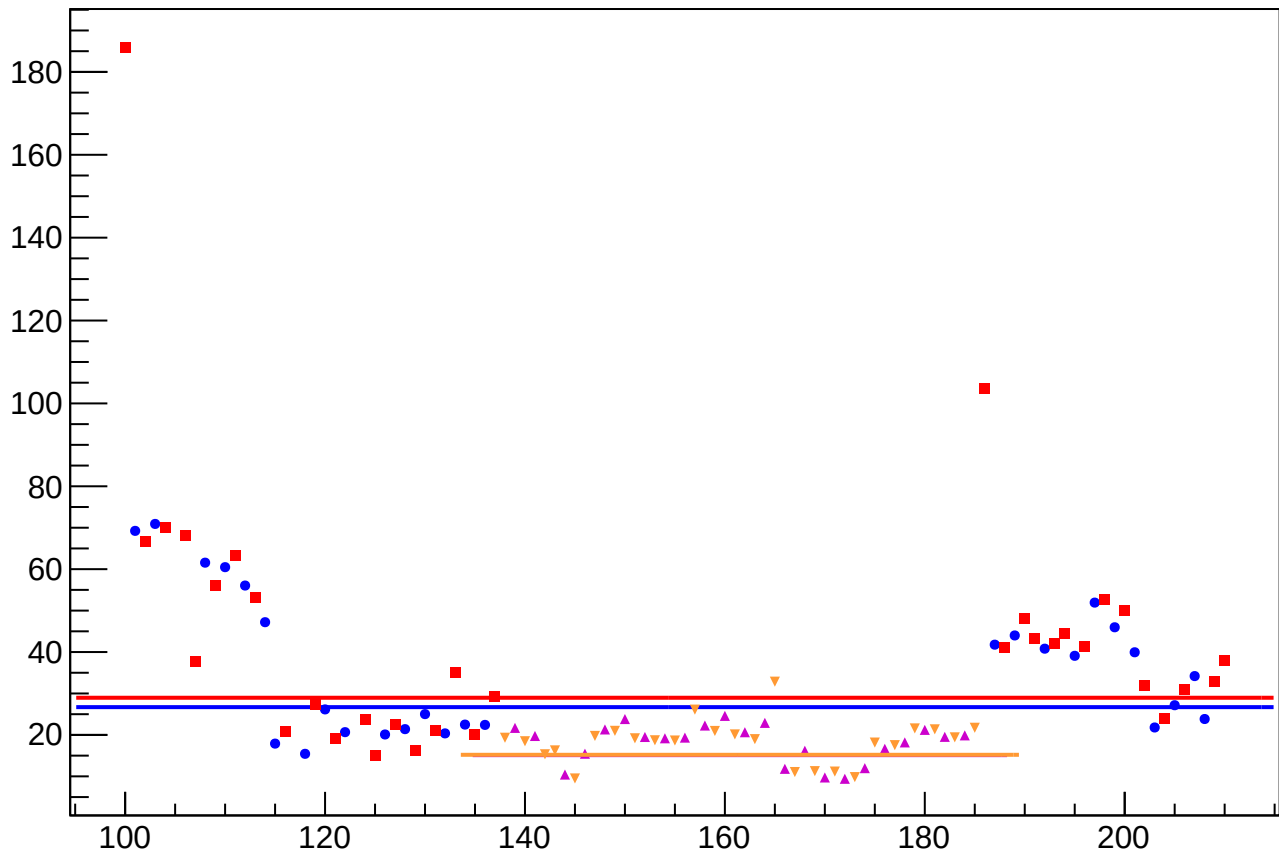
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 53.0/51

All: -0.002 ± 0.002 χ^2/NDF : 130.2/107

- sign -0.003 ± 0.003 χ^2/NDF : 76.9/55

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.704 $\pm$ 0.005 χ^2 /NDF: 4300584.0/26

Left Out: 15.202 $\pm$ 0.003 χ^2 /NDF: 3441921.2/24

Right Out: 28.969 $\pm$ 0.005 χ^2 /NDF: 5434636.7/32

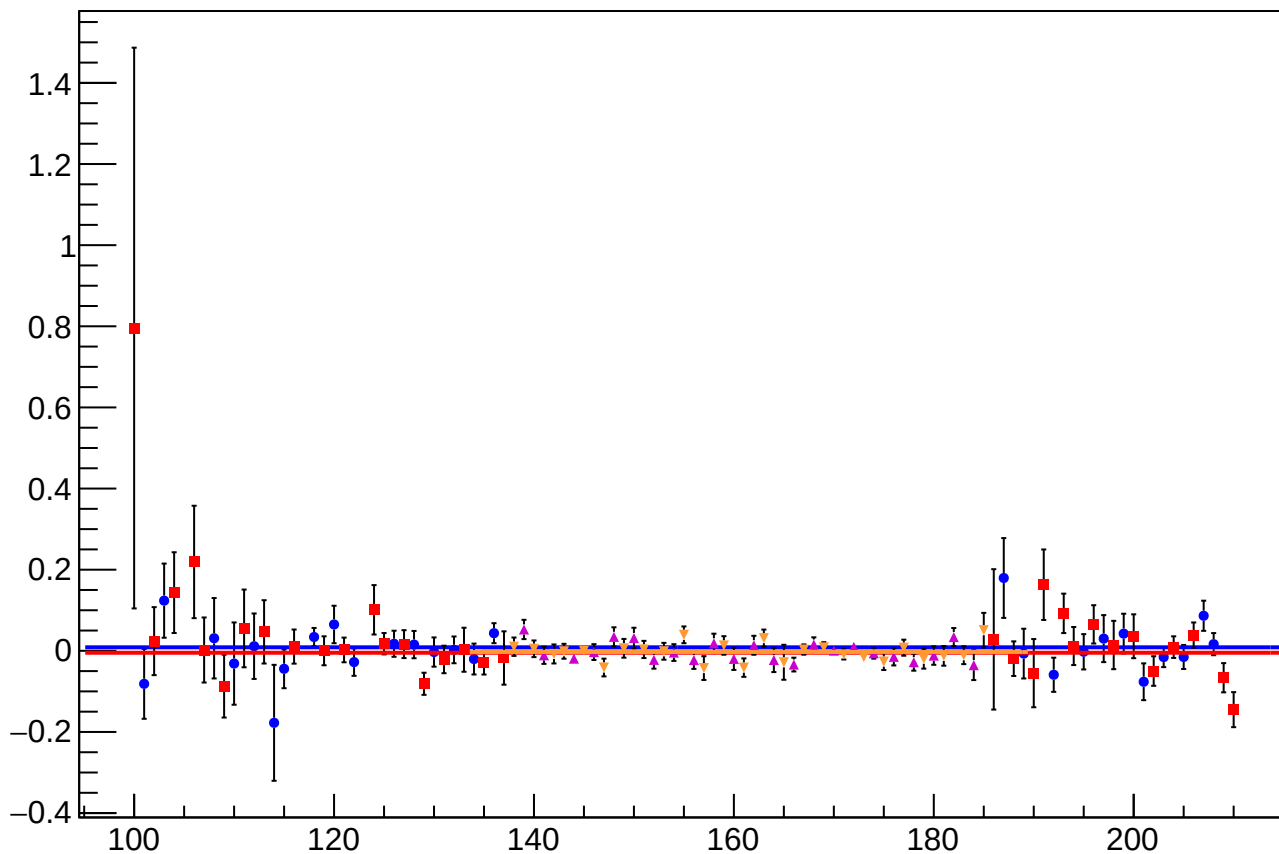
Left In: 15.116 $\pm$ 0.003 χ^2 /NDF: 3402288.3/22

+ sign 17.462 $\pm$ 0.002 χ^2 /NDF: 11530048.6/51

All: 17.674 $\pm$ 0.002 χ^2 /NDF: 25652402.5/107

- sign 17.899 $\pm$ 0.002 χ^2 /NDF: 14105503.9/55

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 ± 0.007 χ^2/NDF : 28.5/26

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.005 ± 0.008 χ^2/NDF : 49.9/32

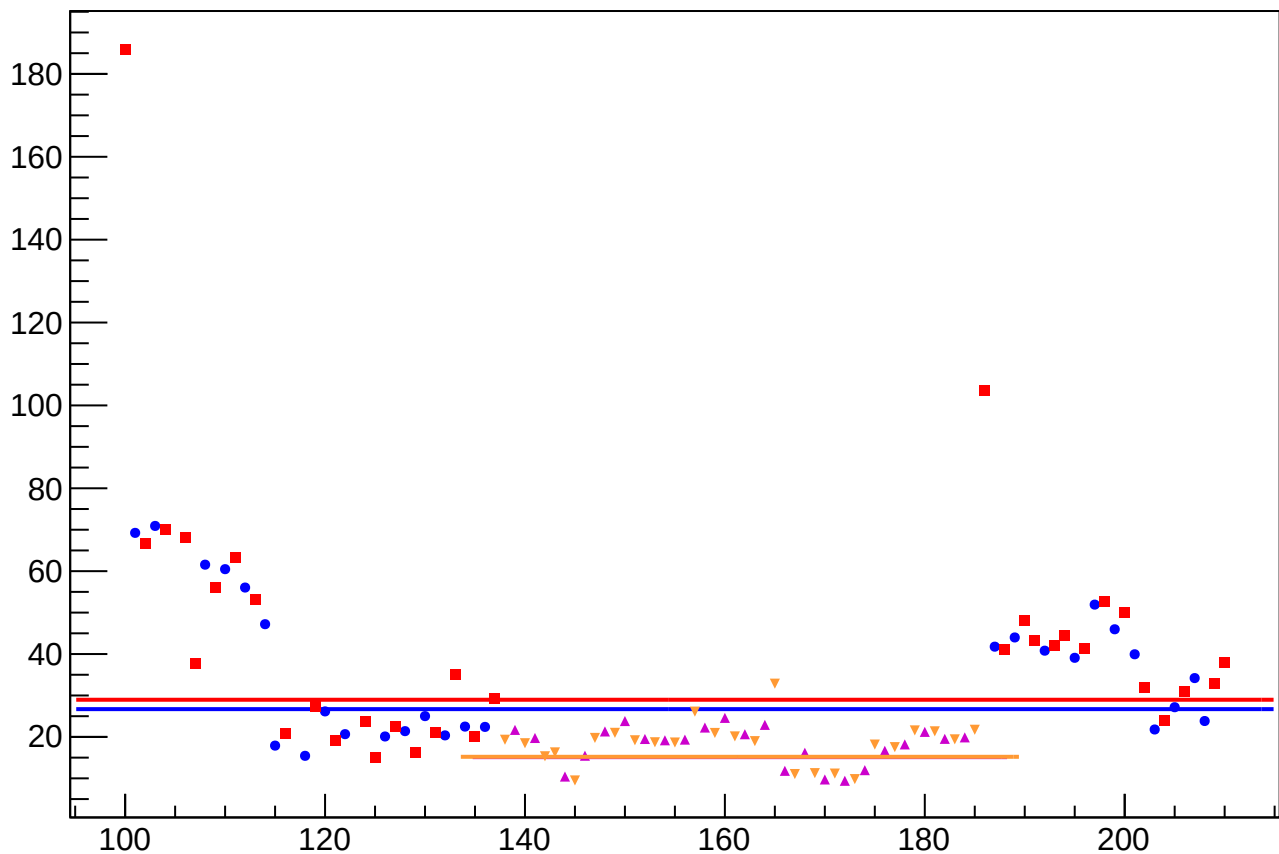
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 53.0/51

All: -0.002 ± 0.002 χ^2/NDF : 130.2/107

- sign -0.003 ± 0.003 χ^2/NDF : 76.9/55

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.704 $\pm$ 0.005 χ^2 /NDF: 4300584.0/26

Left Out: 15.202 $\pm$ 0.003 χ^2 /NDF: 3441921.2/24

Right Out: 28.969 $\pm$ 0.005 χ^2 /NDF: 5434636.7/32

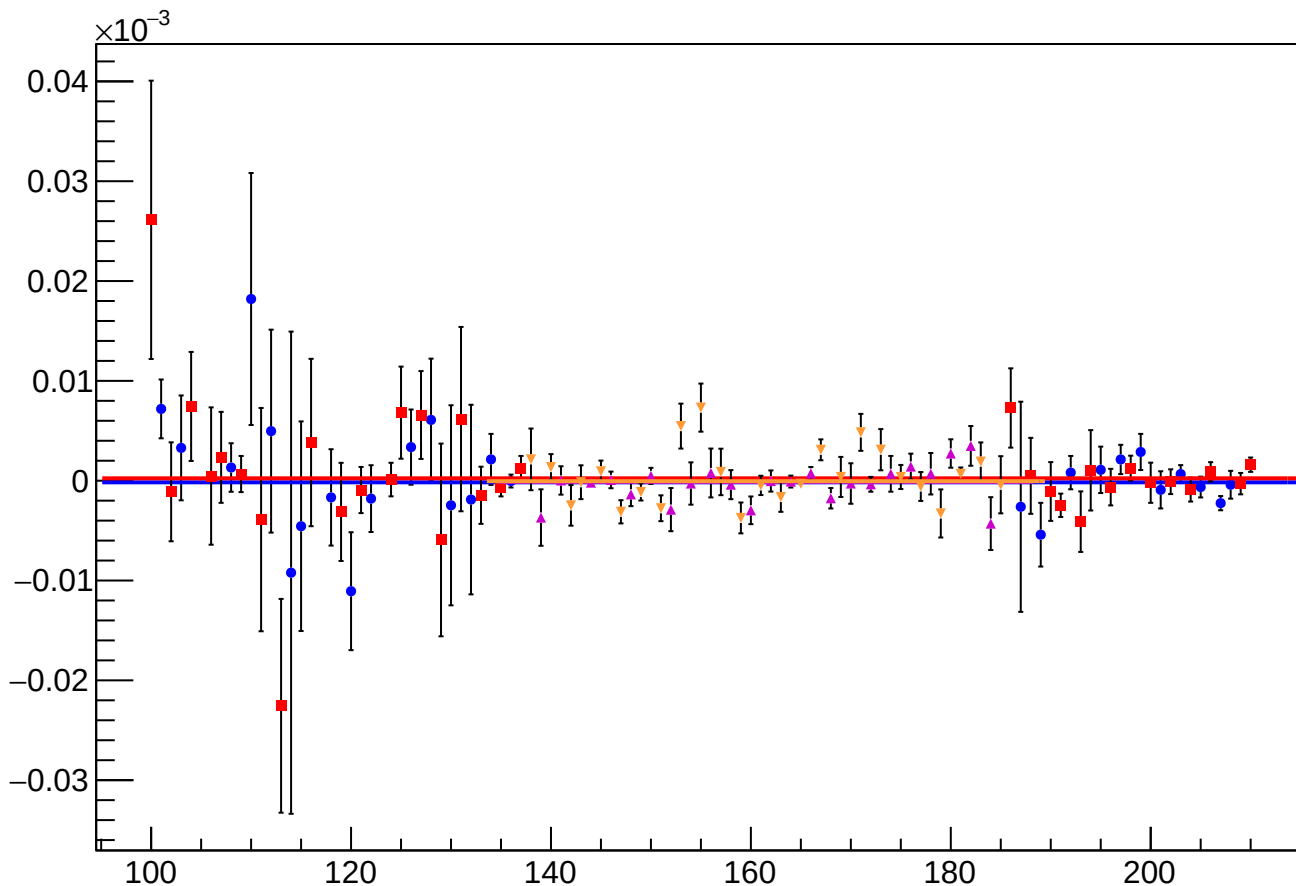
Left In: 15.116 $\pm$ 0.003 χ^2 /NDF: 3402288.3/22

+ sign 17.462 $\pm$ 0.002 χ^2 /NDF: 11530048.6/51

All: 17.674 $\pm$ 0.002 χ^2 /NDF: 25652402.5/107

- sign 17.899 $\pm$ 0.002 χ^2 /NDF: 14105503.9/55

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 34.8/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 62.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 34.9/32

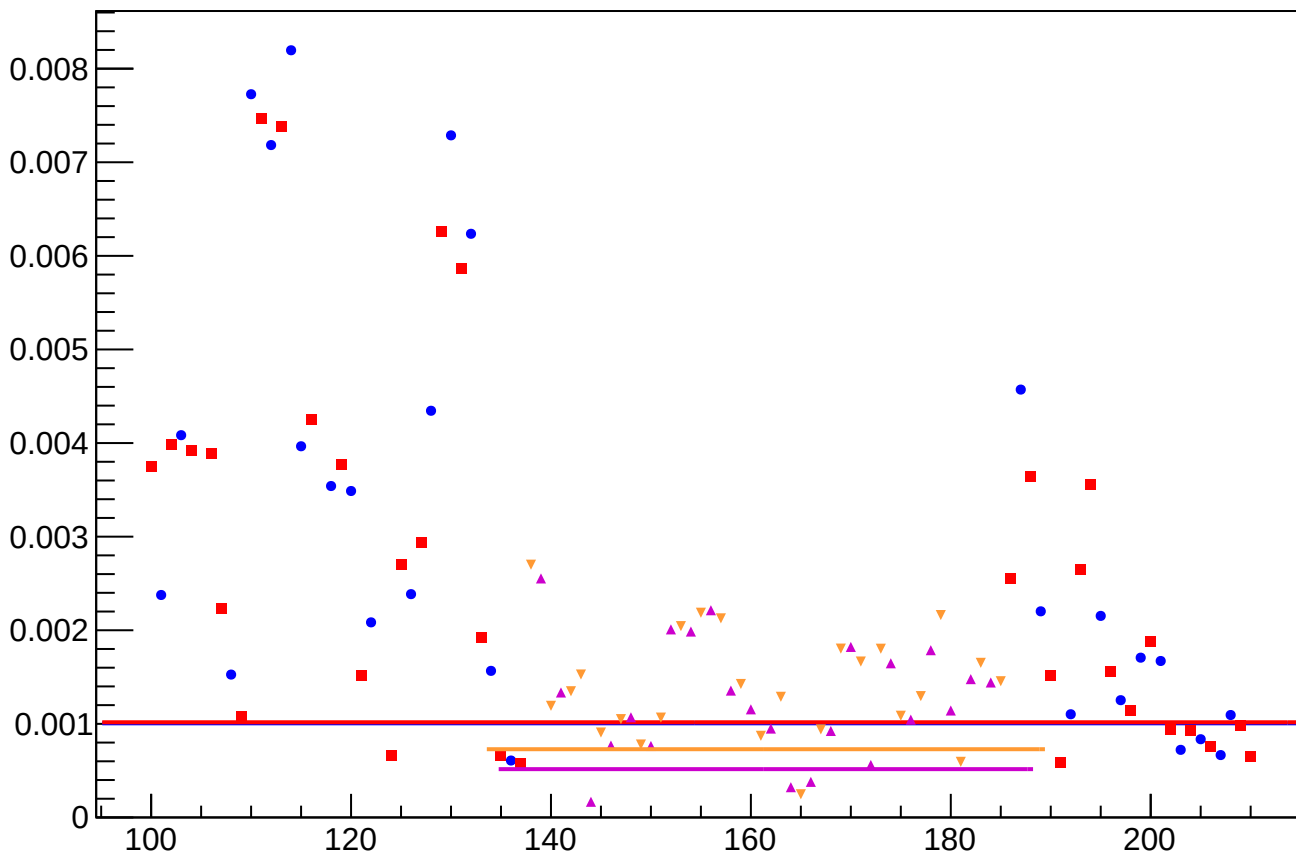
Left In: -0.000 ± 0.000 χ^2/NDF : 25.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 97.7/51

All: -0.000 ± 0.000 χ^2/NDF : 159.2/107

- sign -0.000 ± 0.000 χ^2/NDF : 61.4/55

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9407573.4/26

Left Out: 0.001+/-0.000 χ^2/NDF : 13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 11061748.7/32

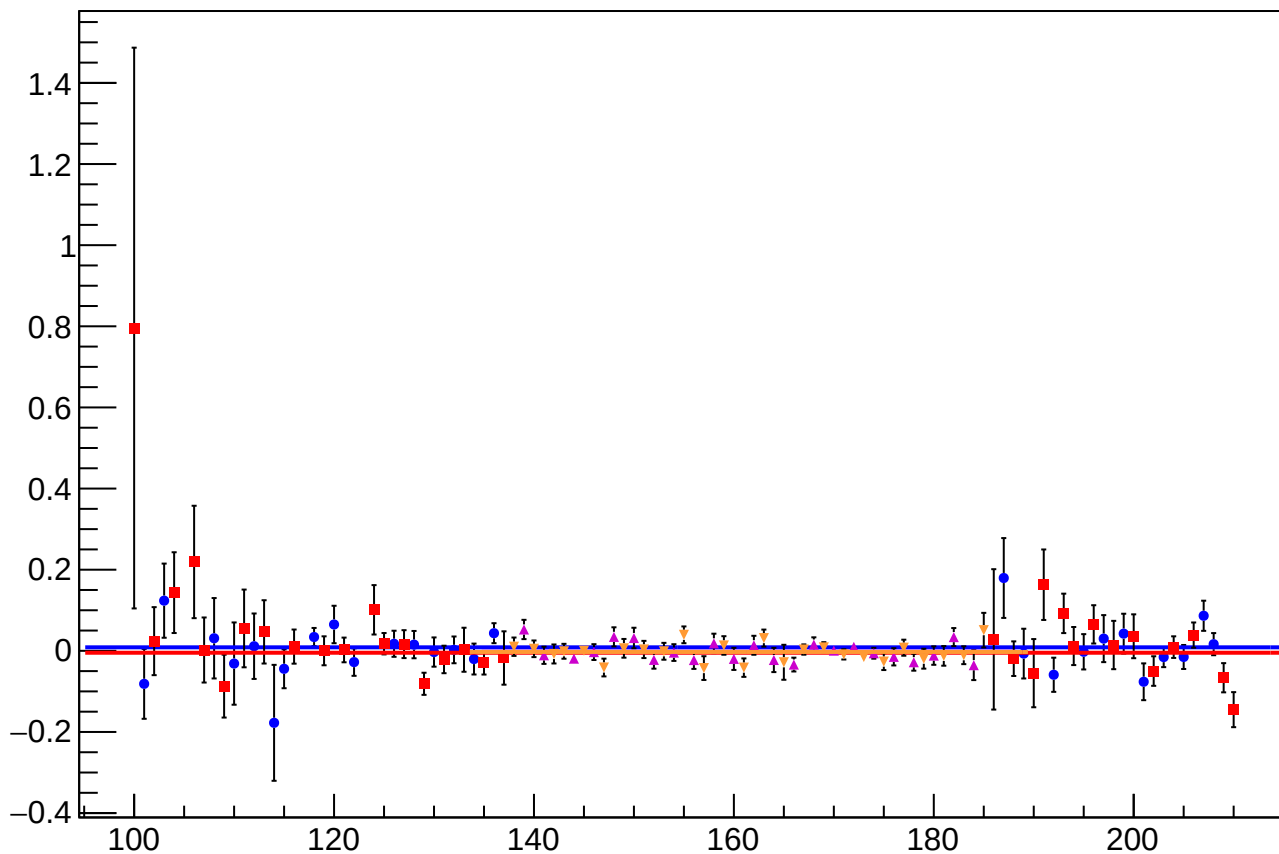
Left In: 0.001+/-0.000 χ^2/NDF : 15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 23562461.3/51

All: 0.001+/-0.000 χ^2/NDF : 54763120.6/107

- sign 0.001+/-0.000 χ^2/NDF : 30119681.1/55

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 ± 0.007 χ^2/NDF : 28.5/26

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.005 ± 0.008 χ^2/NDF : 49.9/32

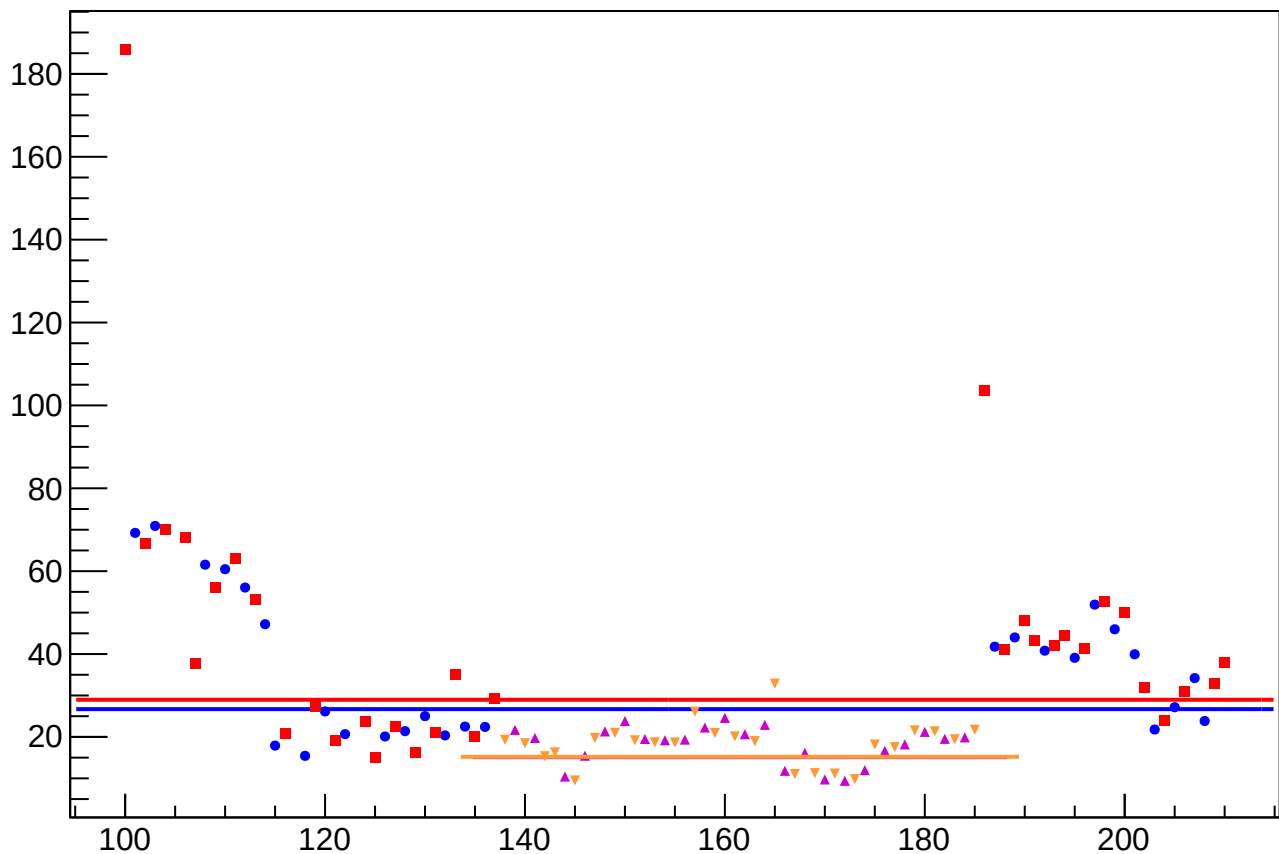
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 53.0/51

All: -0.002 ± 0.002 χ^2/NDF : 130.2/107

- sign -0.003 ± 0.003 χ^2/NDF : 77.0/55

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.704 $\pm$ 0.005 χ^2 /NDF: 4300892.0/26

Left Out: 15.202 $\pm$ 0.003 χ^2 /NDF: 3442015.2/24

Right Out: 28.969 $\pm$ 0.005 χ^2 /NDF: 5434851.5/32

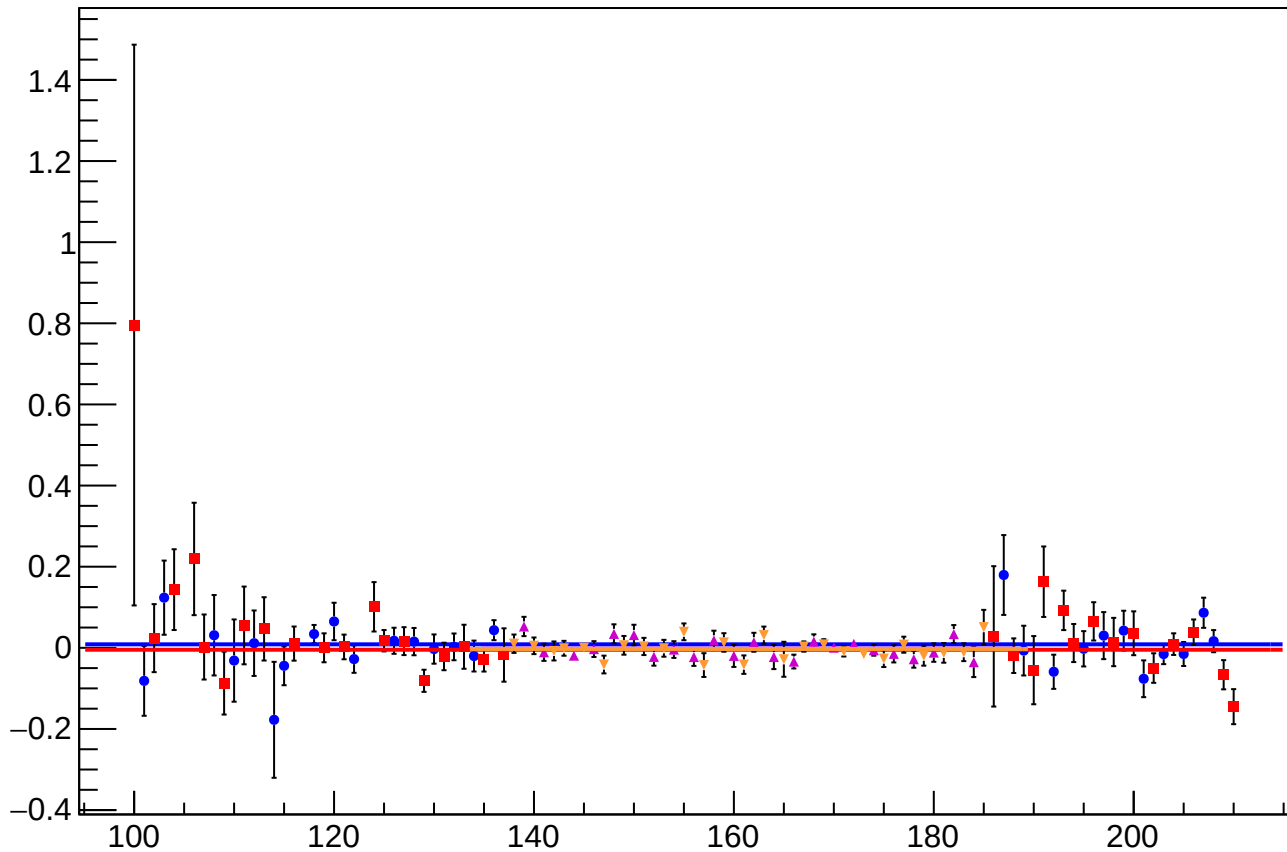
Left In: 15.117 $\pm$ 0.003 χ^2 /NDF: 3402318.1/22

+ sign 17.462 $\pm$ 0.002 χ^2 /NDF: 11530038.4/51

All: 17.674 $\pm$ 0.002 χ^2 /NDF: 25652432.1/107

- sign 17.899 $\pm$ 0.002 χ^2 /NDF: 14105535.9/55

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 ± 0.007 χ^2/NDF : 28.5/26

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.005 ± 0.008 χ^2/NDF : 49.9/32

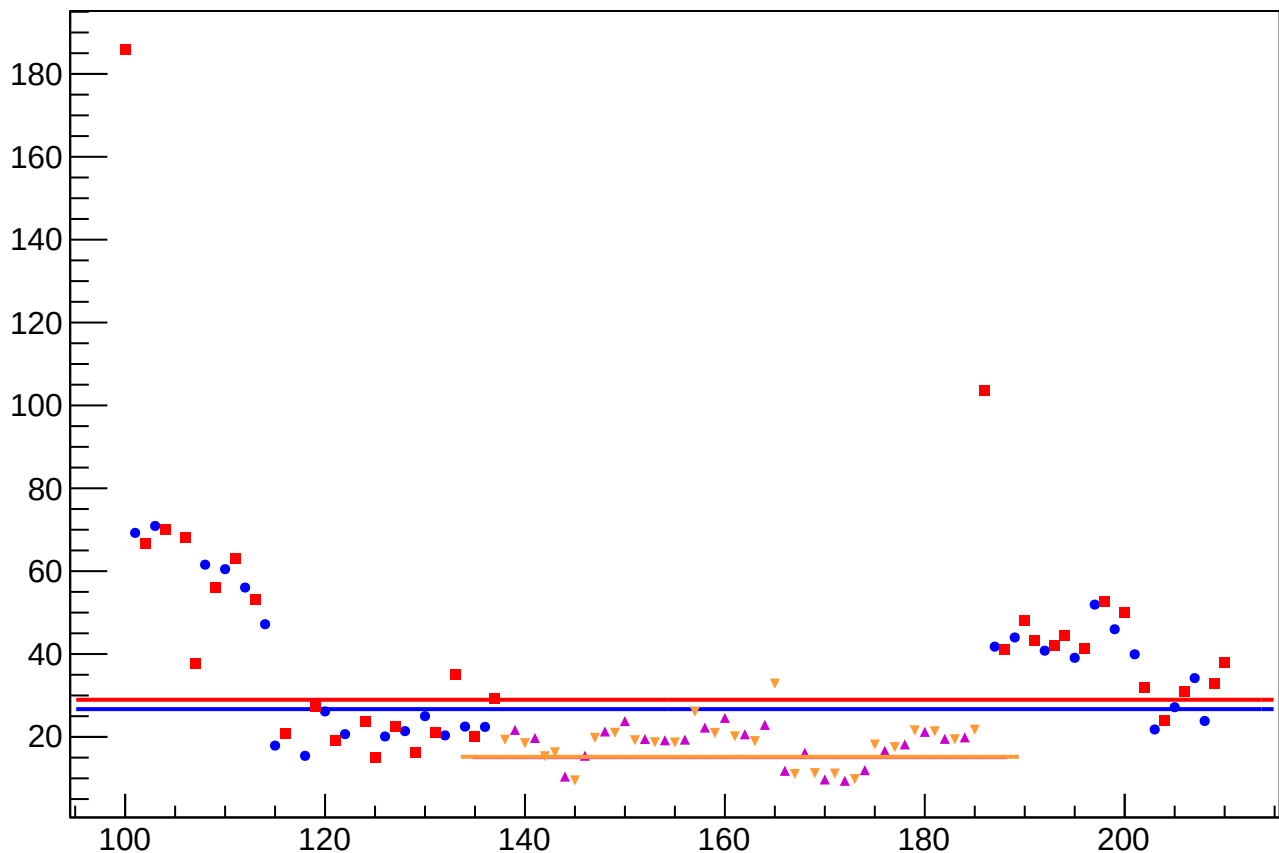
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 53.0/51

All: -0.002 ± 0.002 χ^2/NDF : 130.2/107

- sign -0.003 ± 0.003 χ^2/NDF : 77.0/55

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.704 $\pm$ 0.005 χ^2 /NDF: 4300892.0/26

Left Out: 15.202 $\pm$ 0.003 χ^2 /NDF: 3442015.2/24

Right Out: 28.969 $\pm$ 0.005 χ^2 /NDF: 5434851.5/32

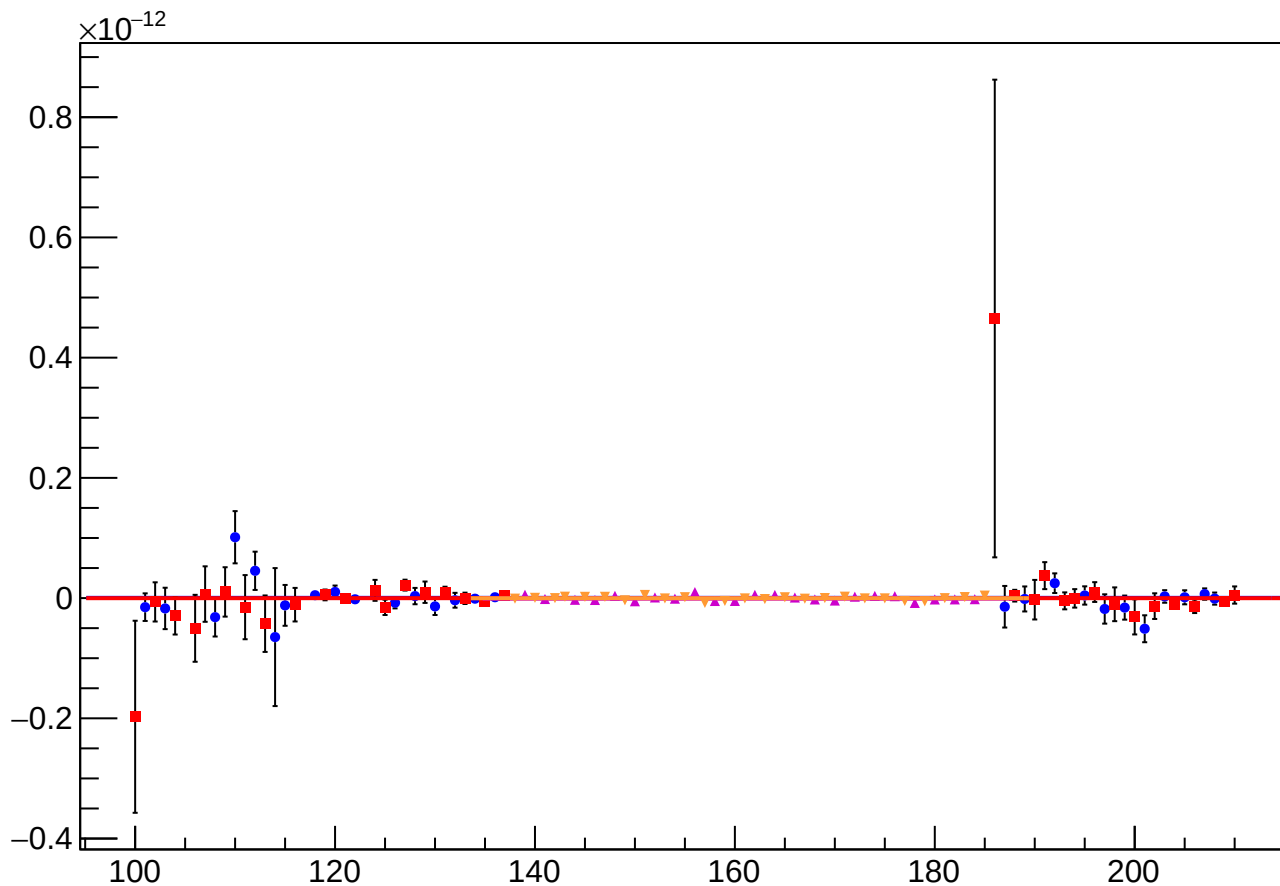
Left In: 15.117 $\pm$ 0.003 χ^2 /NDF: 3402318.1/22

+ sign 17.462 $\pm$ 0.002 χ^2 /NDF: 11530038.4/51

All: 17.674 $\pm$ 0.002 χ^2 /NDF: 25652432.1/107

- sign 17.899 $\pm$ 0.002 χ^2 /NDF: 14105535.9/55

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 22.4/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 21.4/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 26.5/32

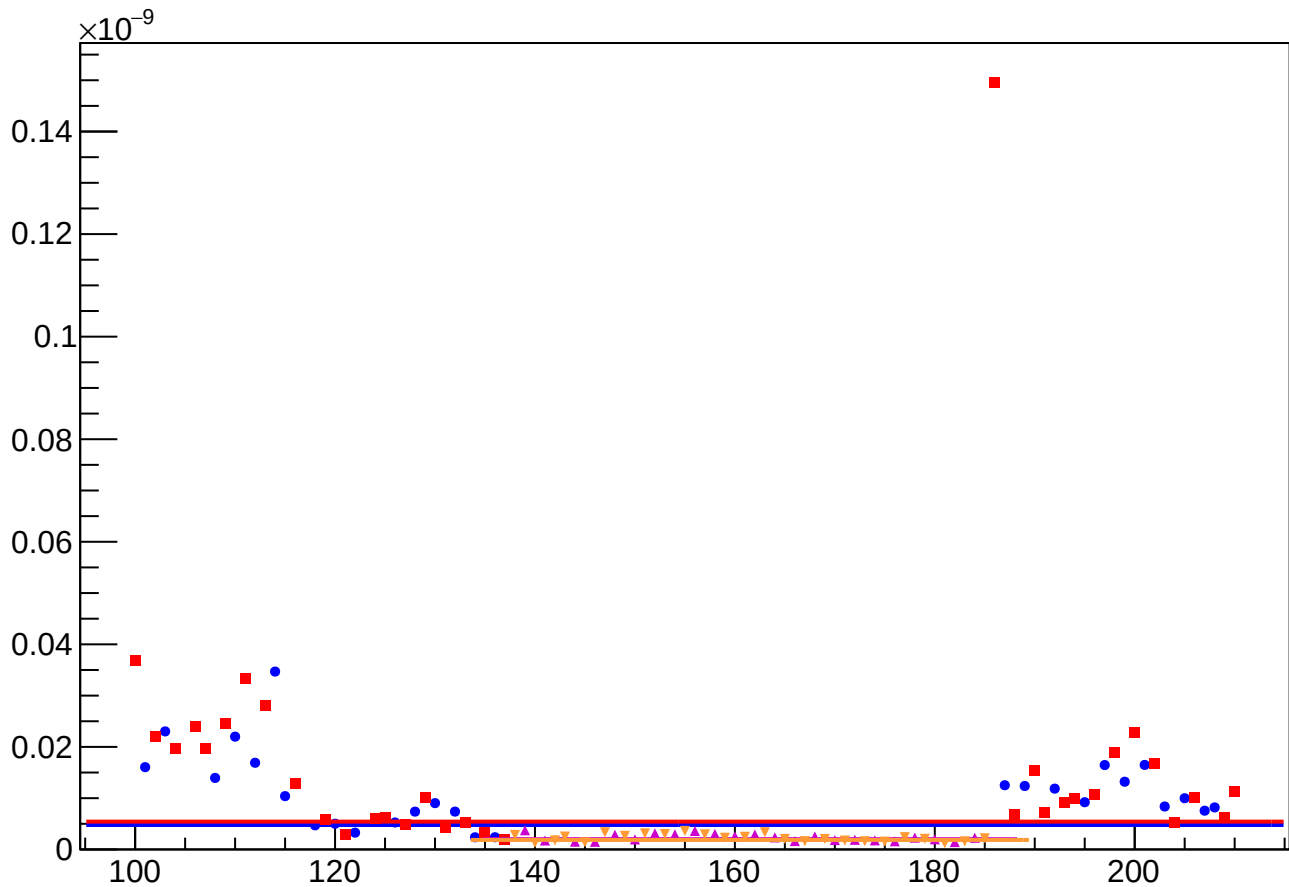
Left In: -0.000 ± 0.000 χ^2/NDF : 39.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 43.9/51

All: -0.000 ± 0.000 χ^2/NDF : 110.7/107

- sign -0.000 ± 0.000 χ^2/NDF : 66.1/55

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 7520341.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2645485.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 8495011.8/32

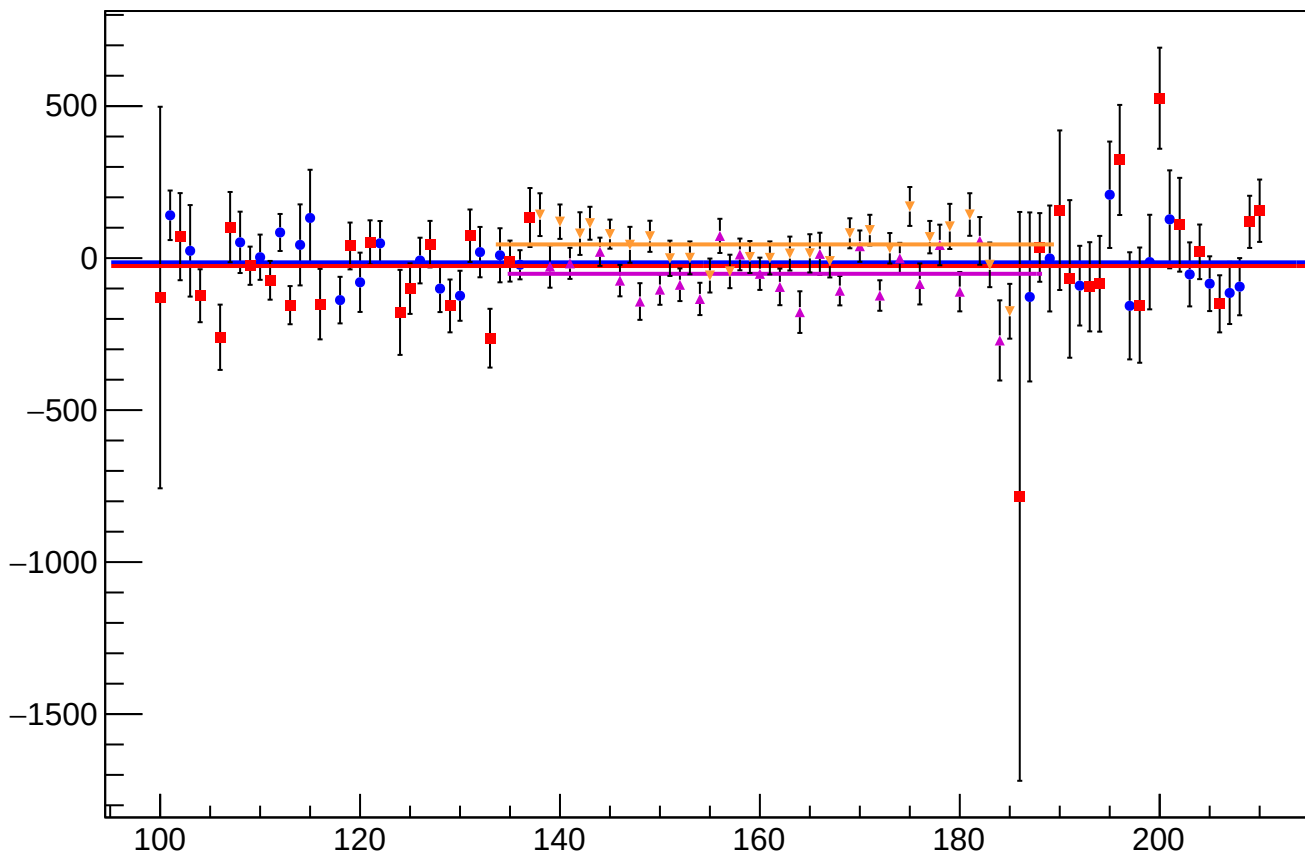
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1948585.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 14740905.7/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 30854419.8/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 15984004.6/55

reg_asym_sam_1357_avg_mean vs Slug



Right In: -13.922 ± 17.755 $\chi^2/\text{NDF}: 20.9/26$

Left Out: 45.093 ± 11.495 $\chi^2/\text{NDF}: 31.3/24$

Right Out: -25.998 ± 17.155 $\chi^2/\text{NDF}: 56.6/32$

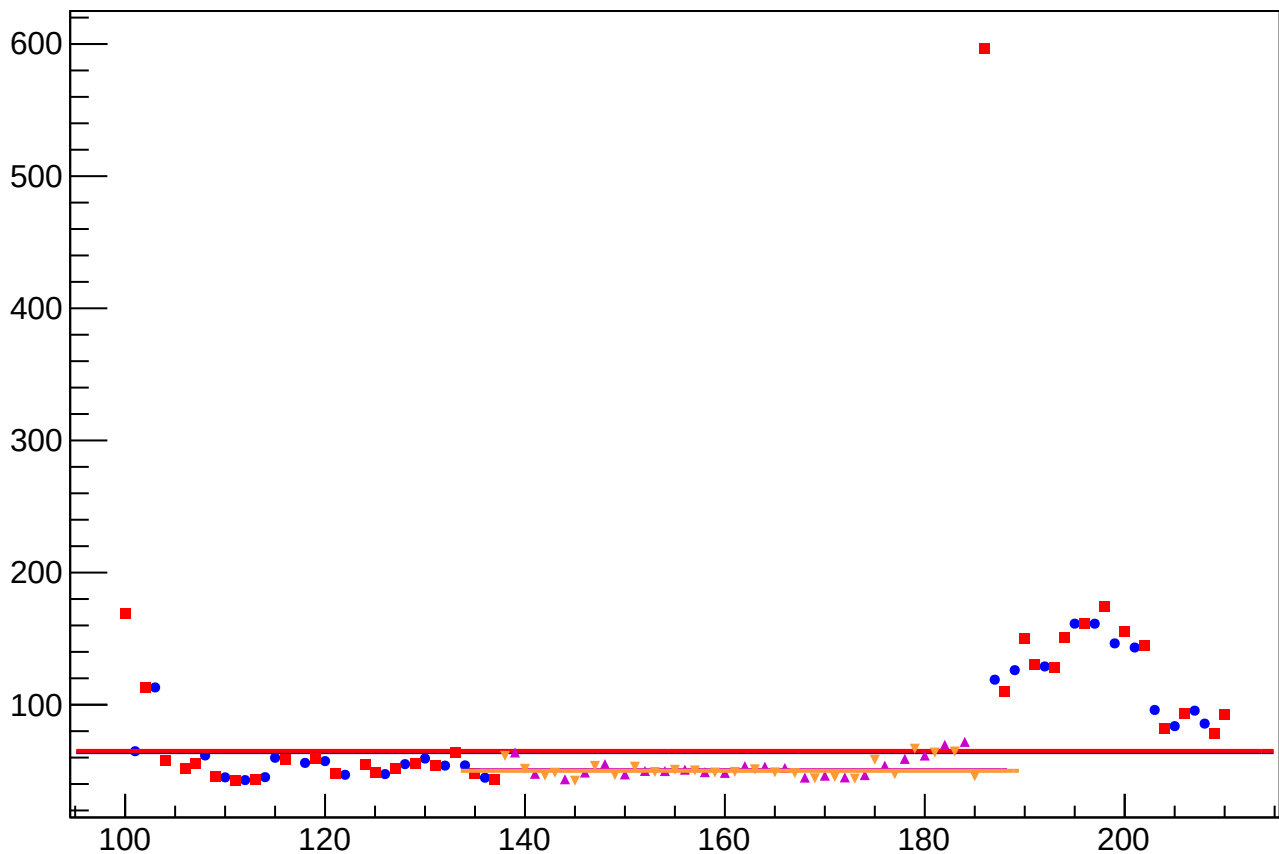
Left In: -51.616 ± 11.929 $\chi^2/\text{NDF}: 35.9/22$

+ sign 27.663 ± 9.649 $\chi^2/\text{NDF}: 60.0/51$

All: -7.274 ± 6.873 $\chi^2/\text{NDF}: 180.7/107$

- sign -43.267 ± 9.794 $\chi^2/\text{NDF}: 94.0/55$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 64.129+/-0.013 χ^2/NDF : 4944315.2/26

Left Out: 50.021+/-0.008 χ^2/NDF : 509100.0/24

Right Out: 65.070+/-0.012 χ^2/NDF : 6652889.6/32

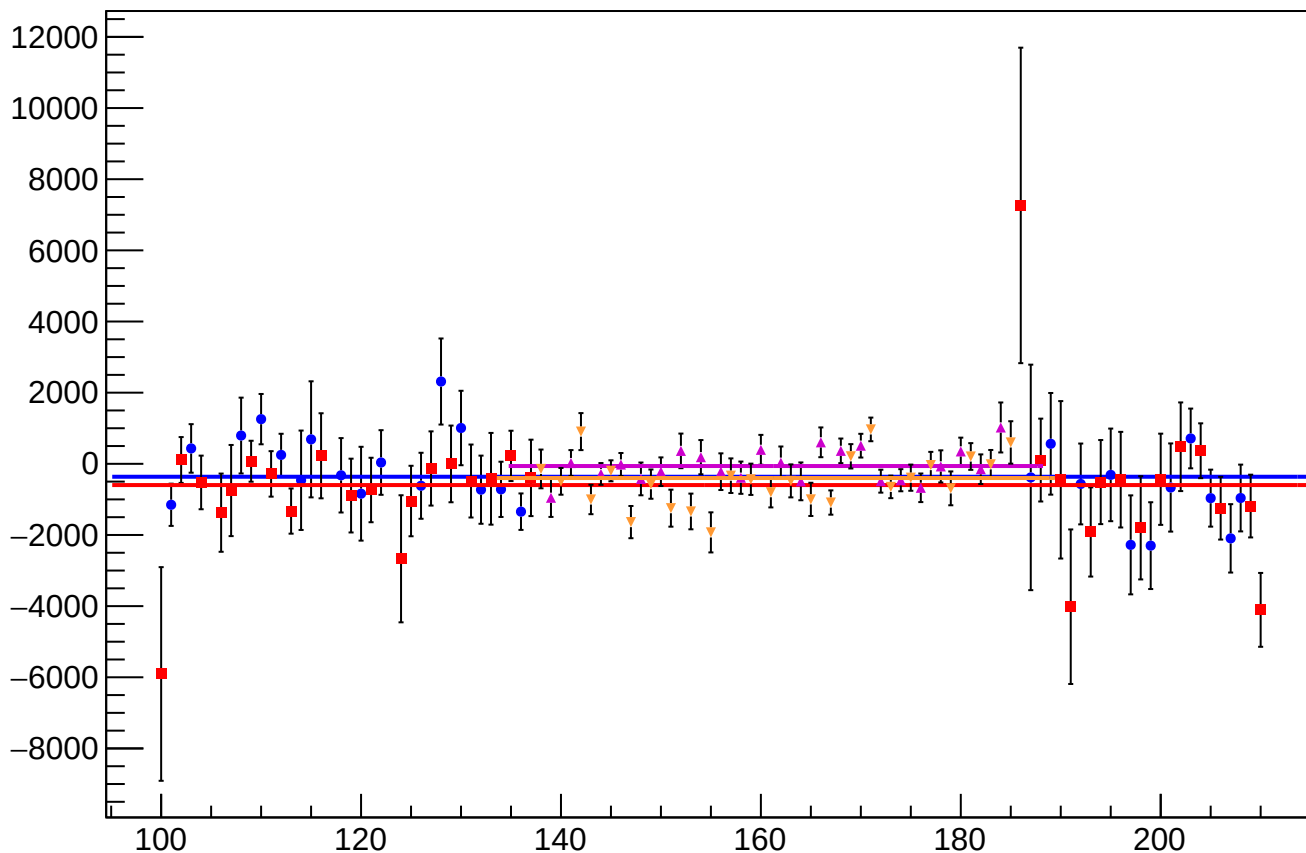
Left In: 50.512+/-0.008 χ^2/NDF : 503409.2/22

+ sign 54.188+/-0.007 χ^2/NDF : 6343270.2/51

All: 54.714+/-0.005 χ^2/NDF : 14482559.8/107

- sign 55.257+/-0.007 χ^2/NDF : 8127196.8/55

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -363.337 ± 175.145 χ^2/NDF : 32.9/26

Left Out: -399.363 ± 82.064 χ^2/NDF : 65.4/24

Right Out: -597.040 ± 171.316 χ^2/NDF : 34.4/32

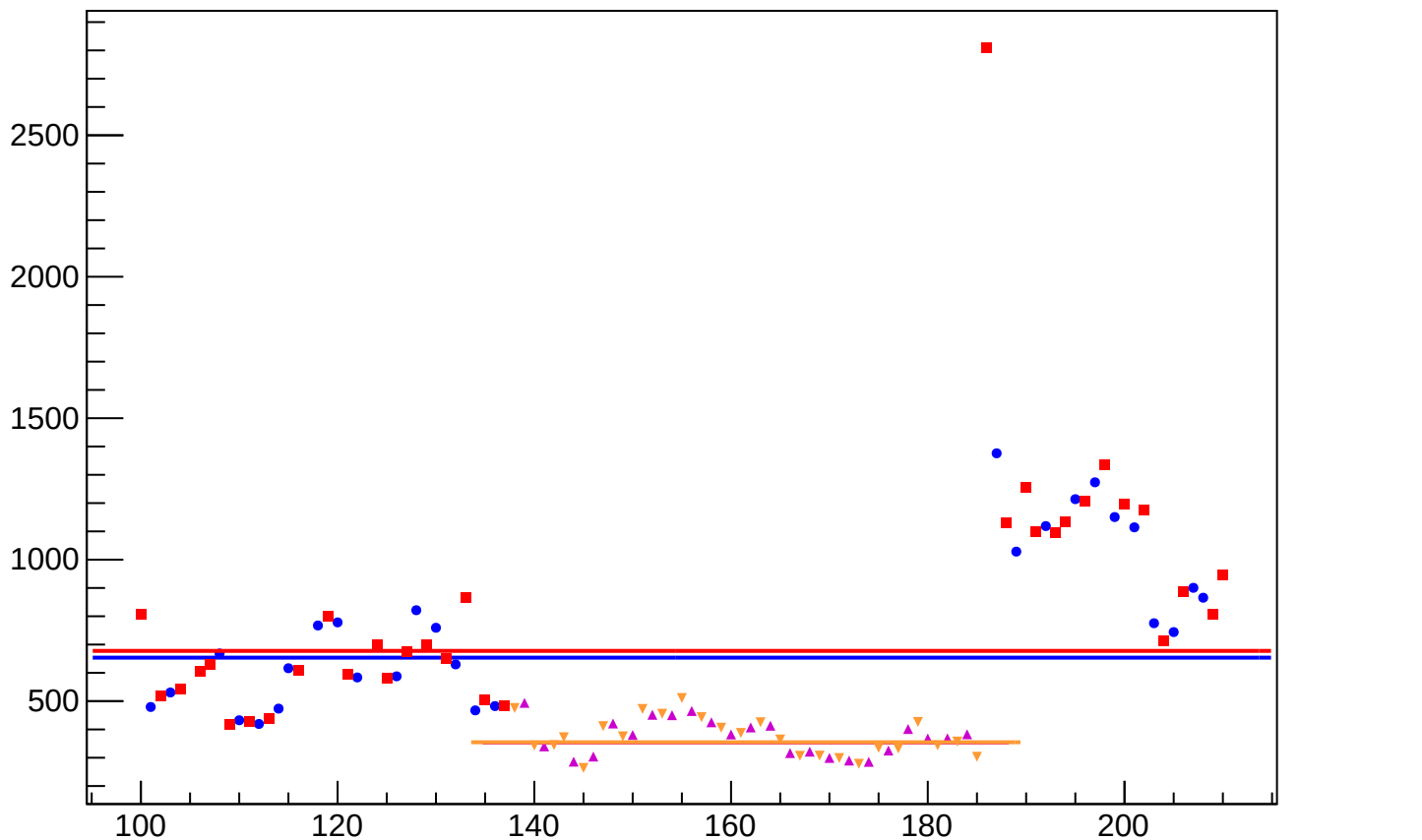
Left In: -62.038 ± 83.892 χ^2/NDF : 23.9/22

+ sign -392.878 ± 74.311 χ^2/NDF : 98.3/51

All: -280.766 ± 52.907 χ^2/NDF : 169.1/107

- sign -165.517 ± 75.344 χ^2/NDF : 66.1/55

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 653.752 ± 0.124 χ^2/NDF : 3494782.7/26

Left Out: 354.670 ± 0.058 χ^2/NDF : 1145465.6/24

Right Out: 677.657 ± 0.121 χ^2/NDF : 4670798.4/32

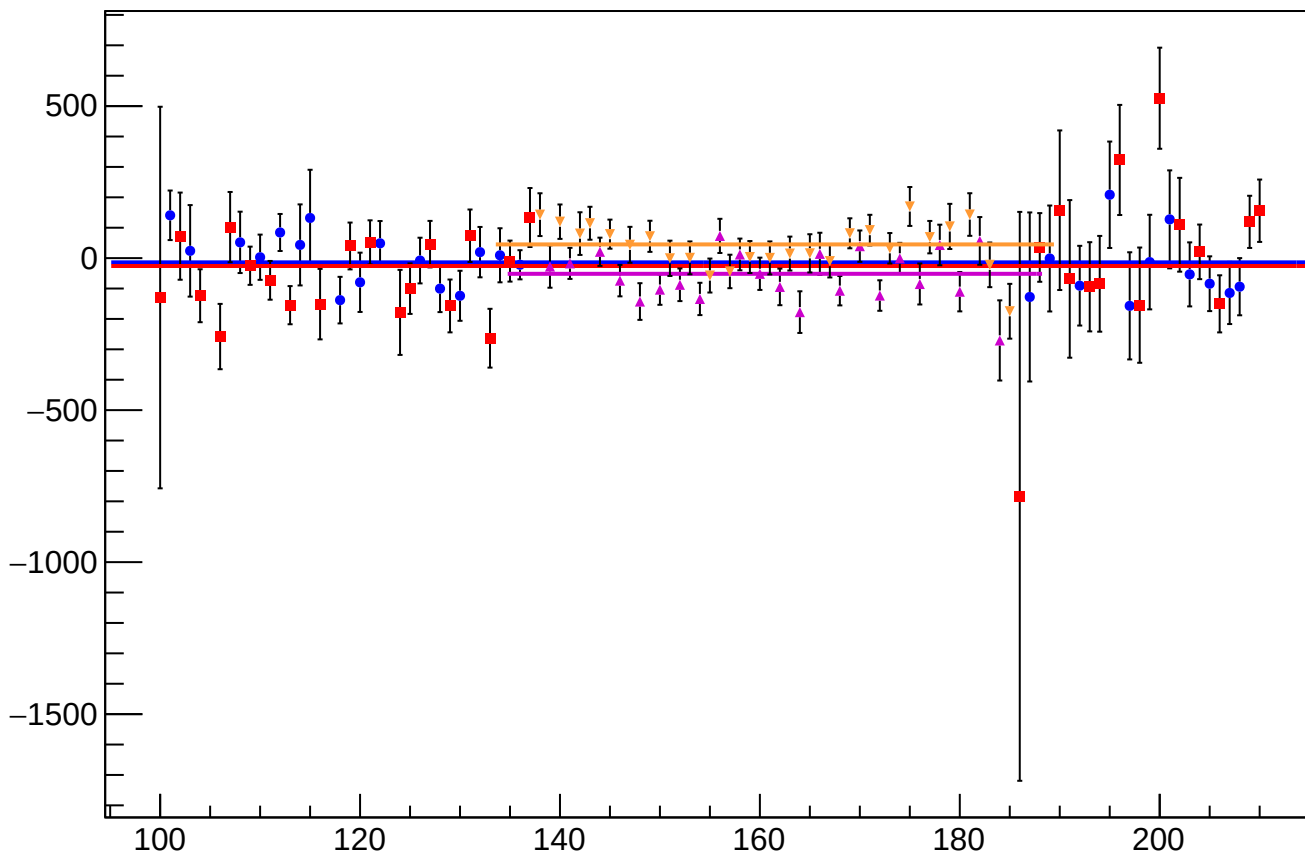
Left In: 353.110 ± 0.059 χ^2/NDF : 1004127.0/22

+ sign 408.509 ± 0.053 χ^2/NDF : 9422377.5/51

All: 412.145 ± 0.037 χ^2/NDF : 20896476.1/10

- sign 415.883 ± 0.053 χ^2/NDF : 11464388.1/55

cor_asym_sam_1357_avg_mean vs Slug



Right In: -13.927 ± 17.755 χ^2/NDF : 20.9/26

Left Out: 45.096 ± 11.495 χ^2/NDF : 31.3/24

Right Out: -25.909 ± 17.156 χ^2/NDF : 56.6/32

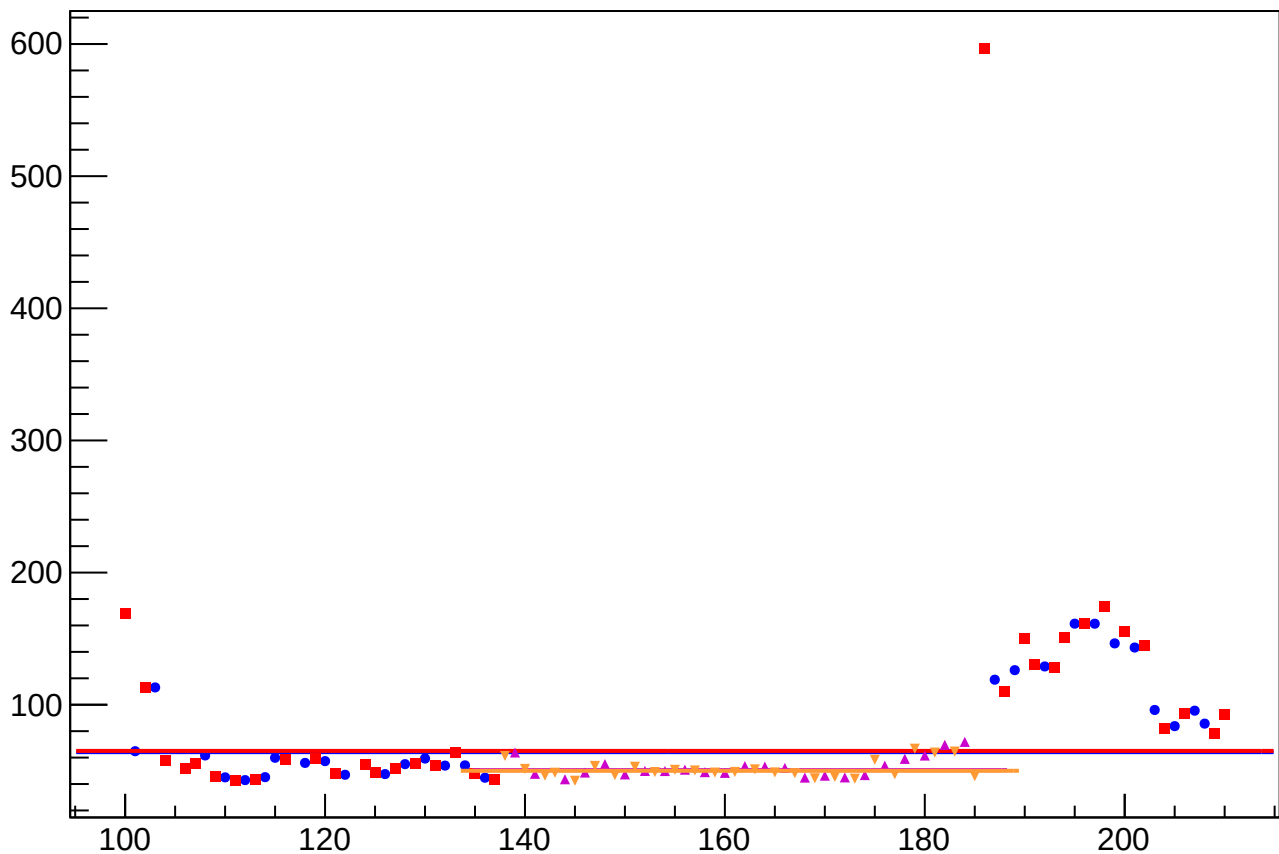
Left In: -51.616 ± 11.929 χ^2/NDF : 35.8/22

+ sign 27.664 ± 9.649 χ^2/NDF : 60.0/51

All: -7.259 ± 6.873 χ^2/NDF : 180.6/107

- sign -43.238 ± 9.794 χ^2/NDF : 93.9/55

cor_asym_sam_1357_avg_rms vs Slug



Right In: 64.129+/-0.013 χ^2/NDF : 4944317.5/26

Left Out: 50.021+/-0.008 χ^2/NDF : 509100.0/24

Right Out: 65.063+/-0.012 χ^2/NDF : 6654507.7/32

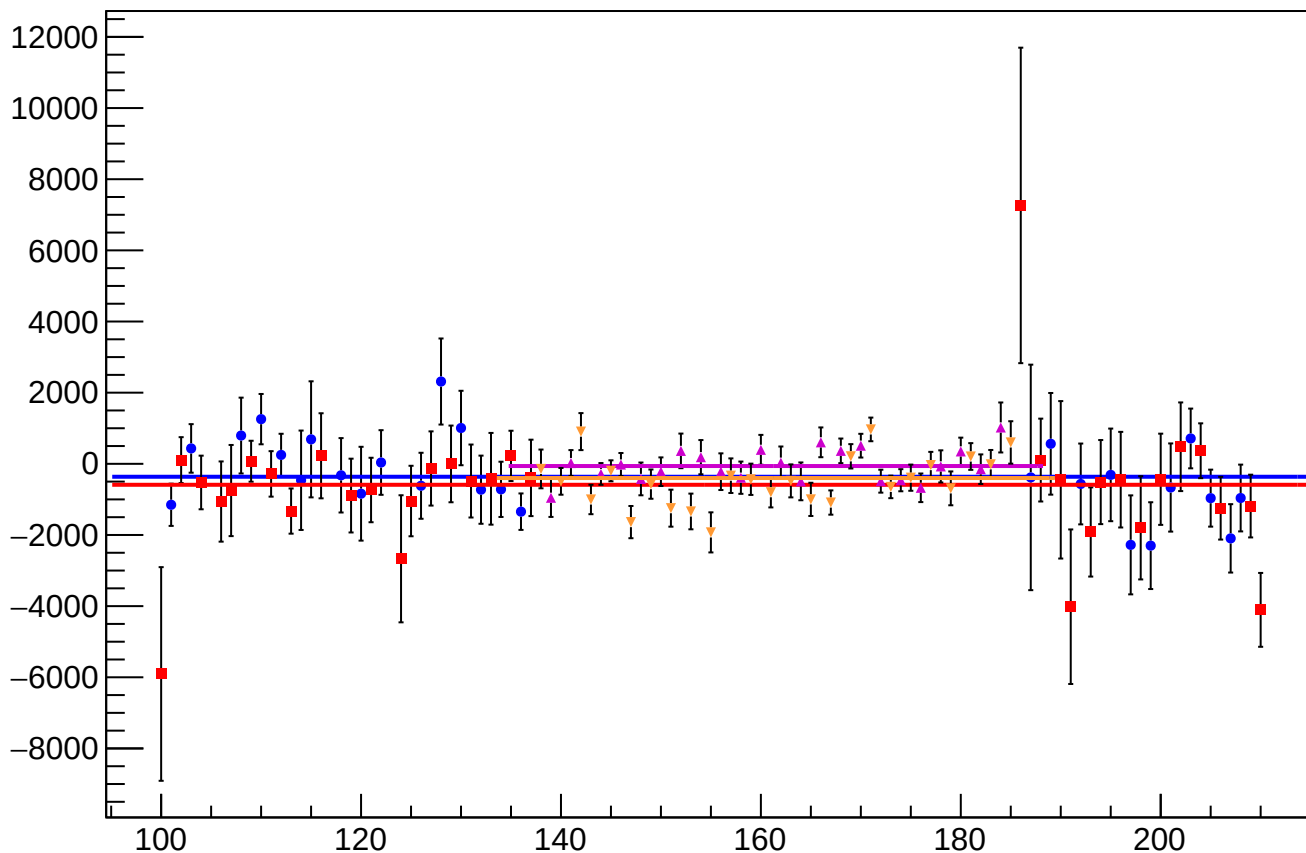
Left In: 50.512+/-0.008 χ^2/NDF : 503409.2/22

+ sign 54.188+/-0.007 χ^2/NDF : 6343272.5/51

All: 54.713+/-0.005 χ^2/NDF : 14483118.5/107

- sign 55.254+/-0.007 χ^2/NDF : 8127810.2/55

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -363.324 ± 175.146 χ^2/NDF : 32.9/26

Left Out: -399.358 ± 82.064 χ^2/NDF : 65.4/24

Right Out: -589.217 ± 171.430 χ^2/NDF : 34.0/32

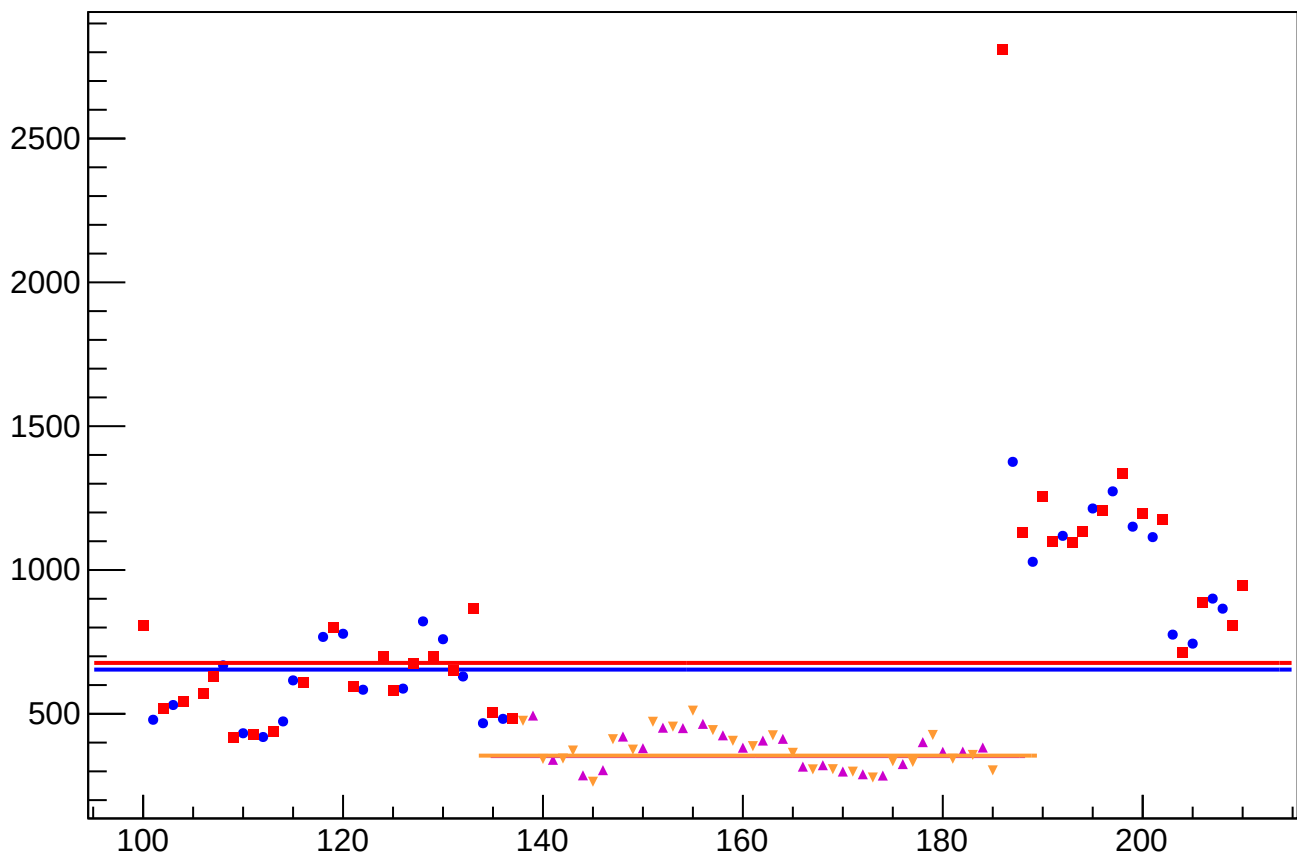
Left In: -62.038 ± 83.892 χ^2/NDF : 23.9/22

+ sign -392.872 ± 74.311 χ^2/NDF : 98.3/51

All: -279.977 ± 52.911 χ^2/NDF : 168.5/107

- sign -163.894 ± 75.353 χ^2/NDF : 65.6/55

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 653.758 $\pm$ 0.124 χ^2 /NDF: 3494709.6/26

Left Out: 354.670 $\pm$ 0.058 χ^2 /NDF: 1145468.3/24

Right Out: 676.978 $\pm$ 0.121 χ^2 /NDF: 4679334.8/32

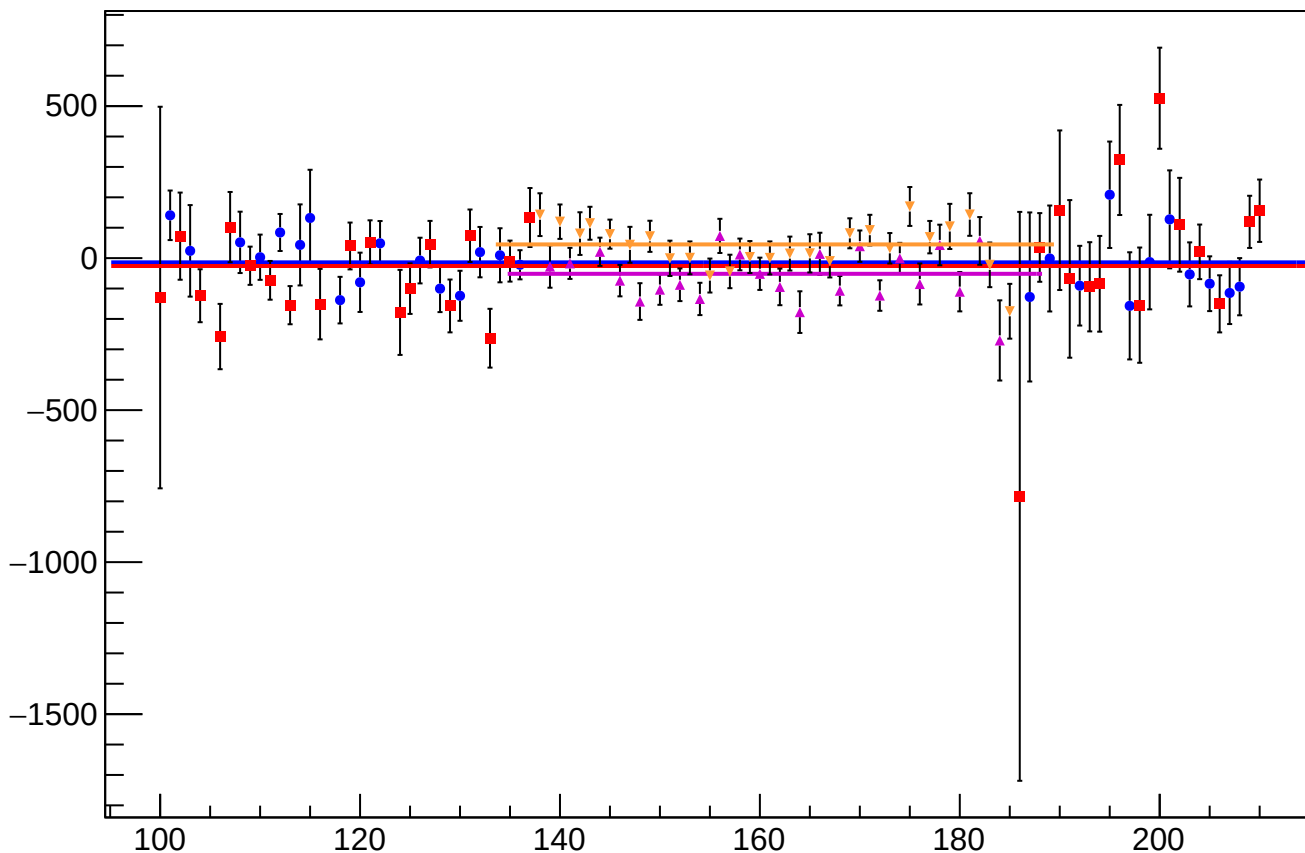
Left In: 353.110 $\pm$ 0.059 χ^2 /NDF: 1004126.9/22

+ sign 408.510 $\pm$ 0.053 χ^2 /NDF: 9422432.3/51

All: 412.047 $\pm$ 0.037 χ^2 /NDF: 20874162.1/10

- sign 415.685 $\pm$ 0.053 χ^2 /NDF: 11442537.3/55

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -13.927 ± 17.755 $\chi^2/\text{NDF}: 20.9/26$

Left Out: 45.096 ± 11.495 $\chi^2/\text{NDF}: 31.3/24$

Right Out: -25.909 ± 17.156 $\chi^2/\text{NDF}: 56.6/32$

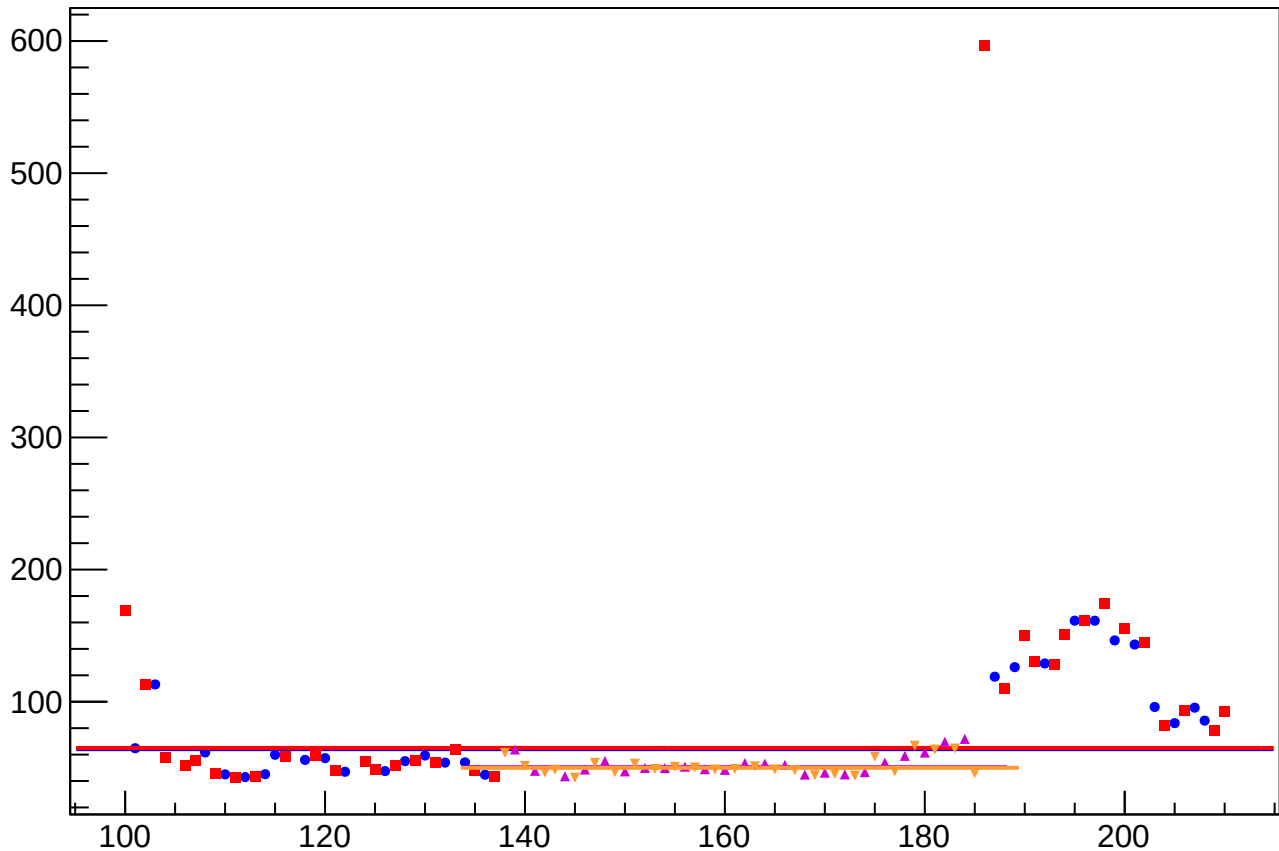
Left In: -51.616 ± 11.929 $\chi^2/\text{NDF}: 35.8/22$

+ sign 27.664 ± 9.649 $\chi^2/\text{NDF}: 60.0/51$

All: -7.259 ± 6.873 $\chi^2/\text{NDF}: 180.6/107$

- sign -43.238 ± 9.794 $\chi^2/\text{NDF}: 93.9/55$

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 64.129 $\pm$ 0.013 χ^2 /NDF: 4944317.5/26

Left Out: 50.021 $\pm$ 0.008 χ^2 /NDF: 509100.0/24

Right Out: 65.063 $\pm$ 0.012 χ^2 /NDF: 6654507.7/32

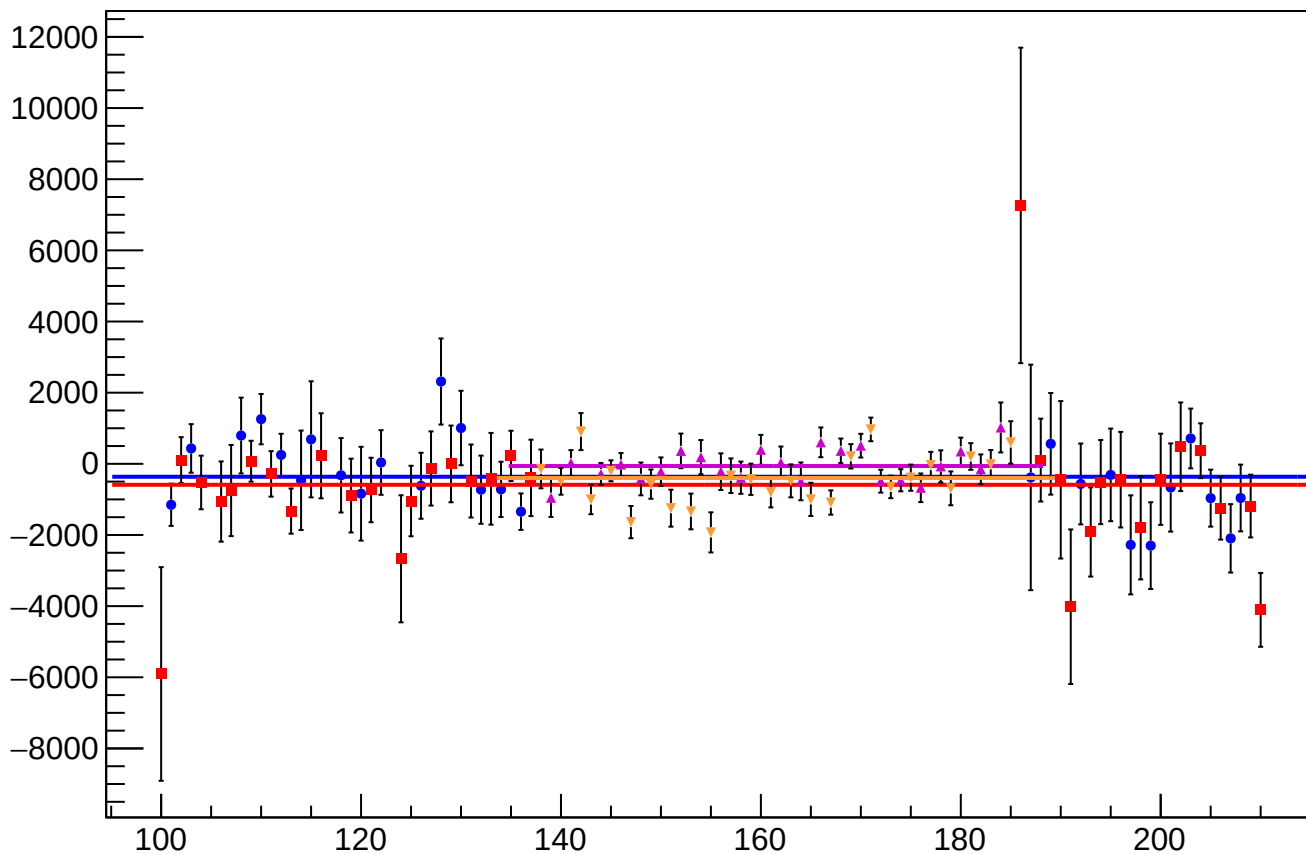
Left In: 50.512 $\pm$ 0.008 χ^2 /NDF: 503409.2/22

+ sign 54.188 $\pm$ 0.007 χ^2 /NDF: 6343272.5/51

All: 54.713 $\pm$ 0.005 χ^2 /NDF: 14483118.5/107

- sign 55.254 $\pm$ 0.007 χ^2 /NDF: 8127810.2/55

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug



Right In: -363.324 ± 175.146 χ^2/NDF : 32.9/26

Left Out: -399.358 ± 82.064 χ^2/NDF : 65.4/24

Right Out: -589.217 ± 171.430 χ^2/NDF : 34.0/32

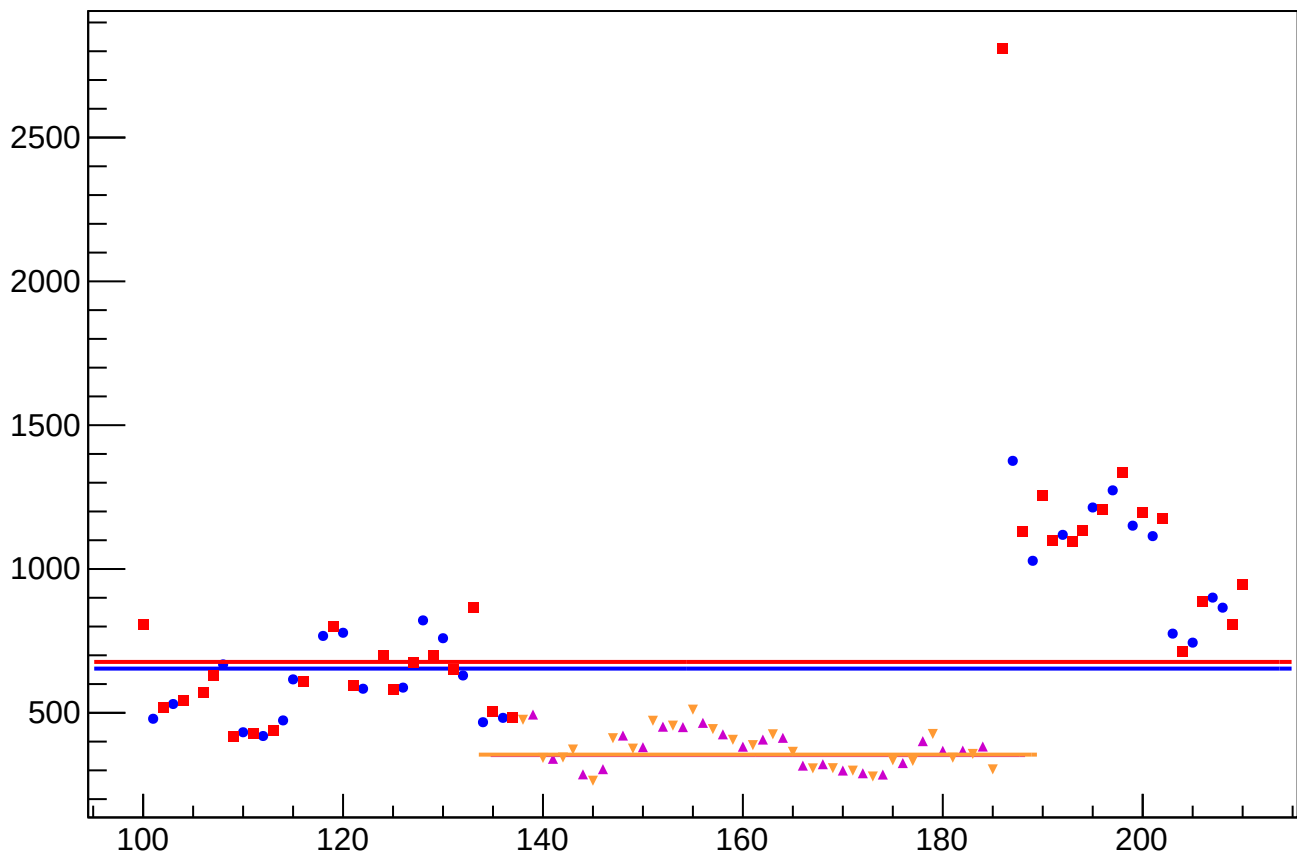
Left In: -62.038 ± 83.892 χ^2/NDF : 23.9/22

+ sign -392.872 ± 74.311 χ^2/NDF : 98.3/51

All: -279.977 ± 52.911 χ^2/NDF : 168.5/107

- sign -163.894 ± 75.353 χ^2/NDF : 65.6/55

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug



Right In: 653.758 $\pm$ 0.124 χ^2/NDF : 3494709.6/26

Left Out: 354.670 $\pm$ 0.058 χ^2/NDF : 1145468.3/24

Right Out: 676.978 $\pm$ 0.121 χ^2/NDF : 4679334.8/32

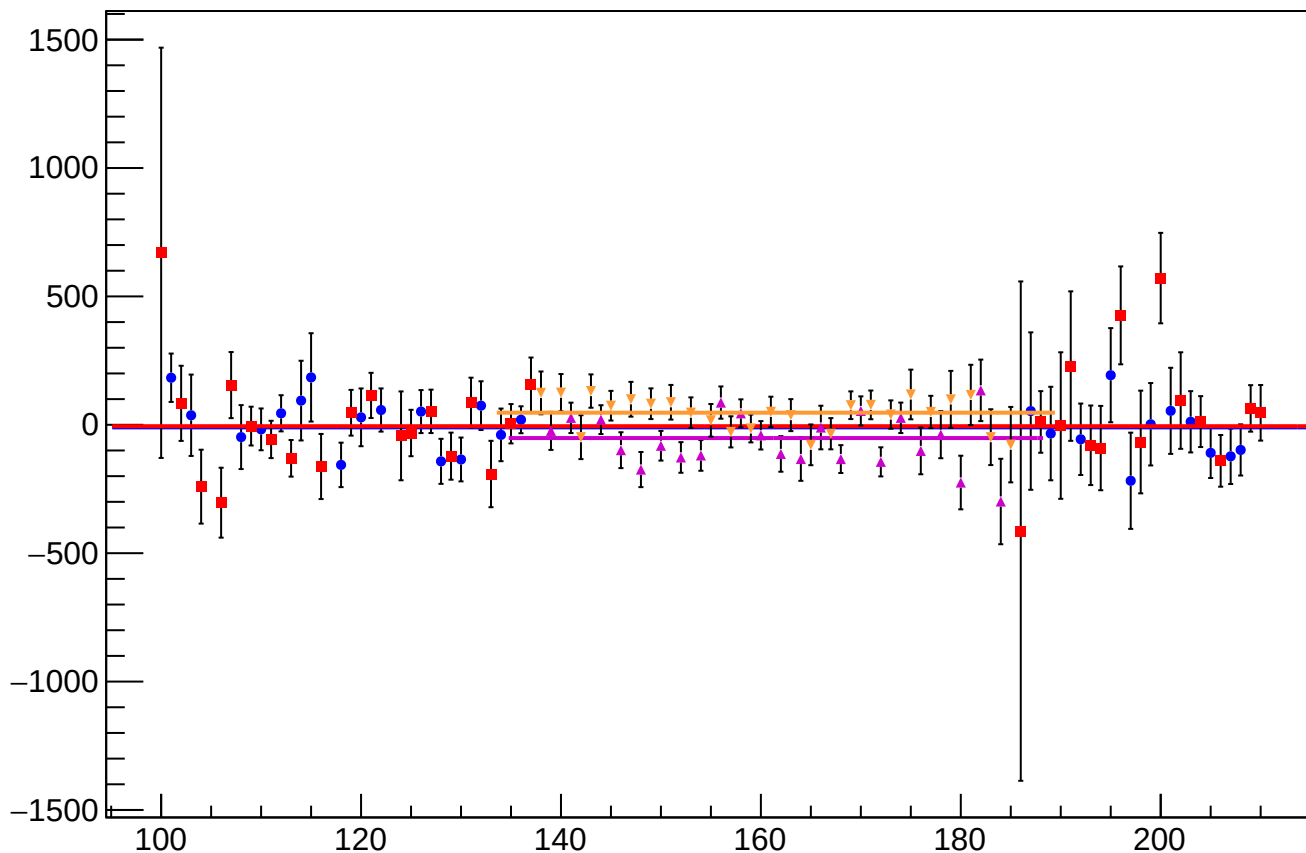
Left In: 353.110 $\pm$ 0.059 χ^2/NDF : 1004126.9/22

+ sign 408.510 $\pm$ 0.053 χ^2/NDF : 9422432.3/51

All: 412.047 $\pm$ 0.037 χ^2/NDF : 20874162.1/10

- sign 415.685 $\pm$ 0.053 χ^2/NDF : 11442537.3/55

dit_asym_sam_1357_avg_mean vs Slug



Right In: -10.008 ± 19.745 χ^2/NDF : 22.2/26

Left Out: 47.151 ± 13.511 χ^2/NDF : 17.0/24

Right Out: -5.475 ± 19.524 χ^2/NDF : 45.1/32

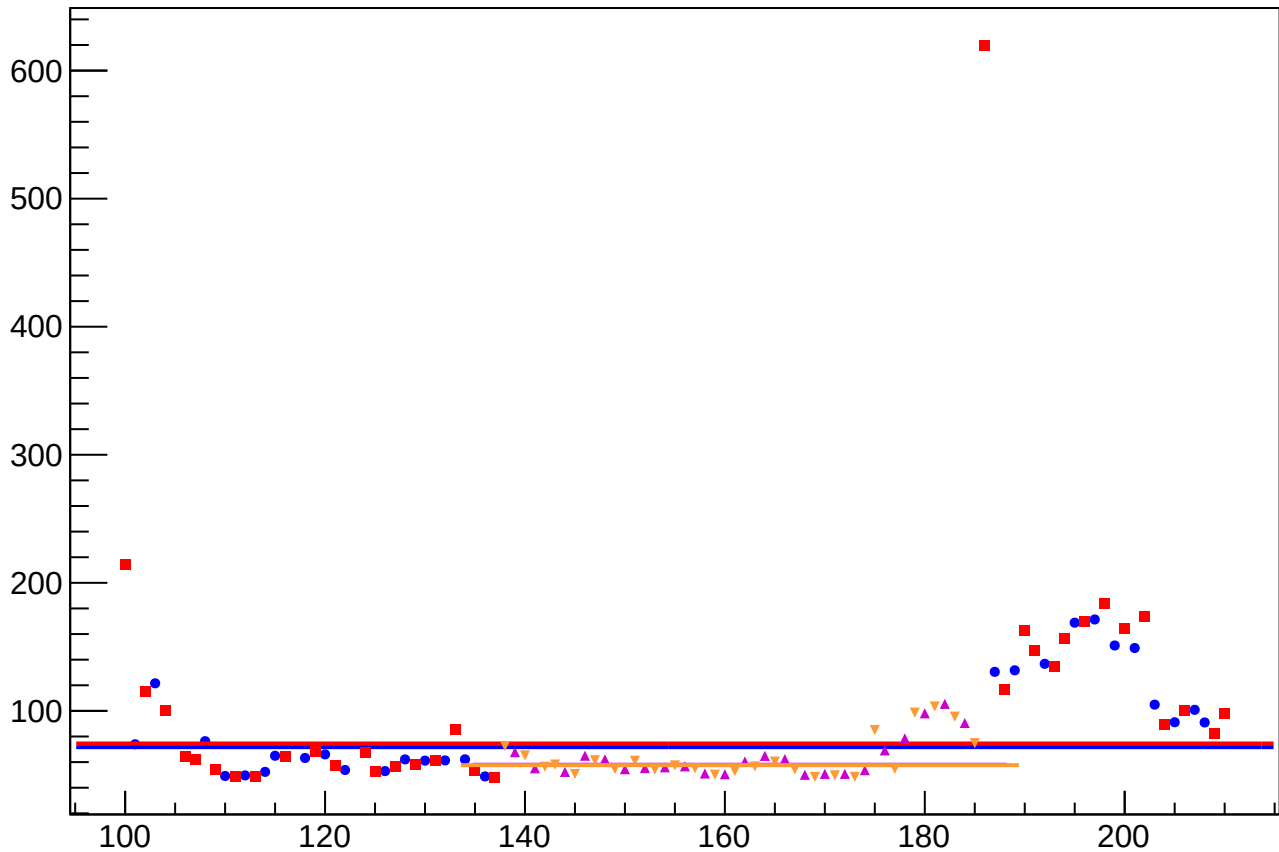
Left In: -51.652 ± 13.934 χ^2/NDF : 38.2/22

+ sign 28.921 ± 11.151 χ^2/NDF : 44.9/51

All: -3.022 ± 7.951 χ^2/NDF : 148.6/107

- sign -36.070 ± 11.342 χ^2/NDF : 87.0/55

dit_asym_sam_1357_avg_rms vs Slug



Right In: 71.688+/-0.014 χ^2/NDF : 4501087.2/26

Left Out: 57.631+/-0.010 χ^2/NDF : 1365448.6/24

Right Out: 74.552+/-0.014 χ^2/NDF : 6110471.0/32

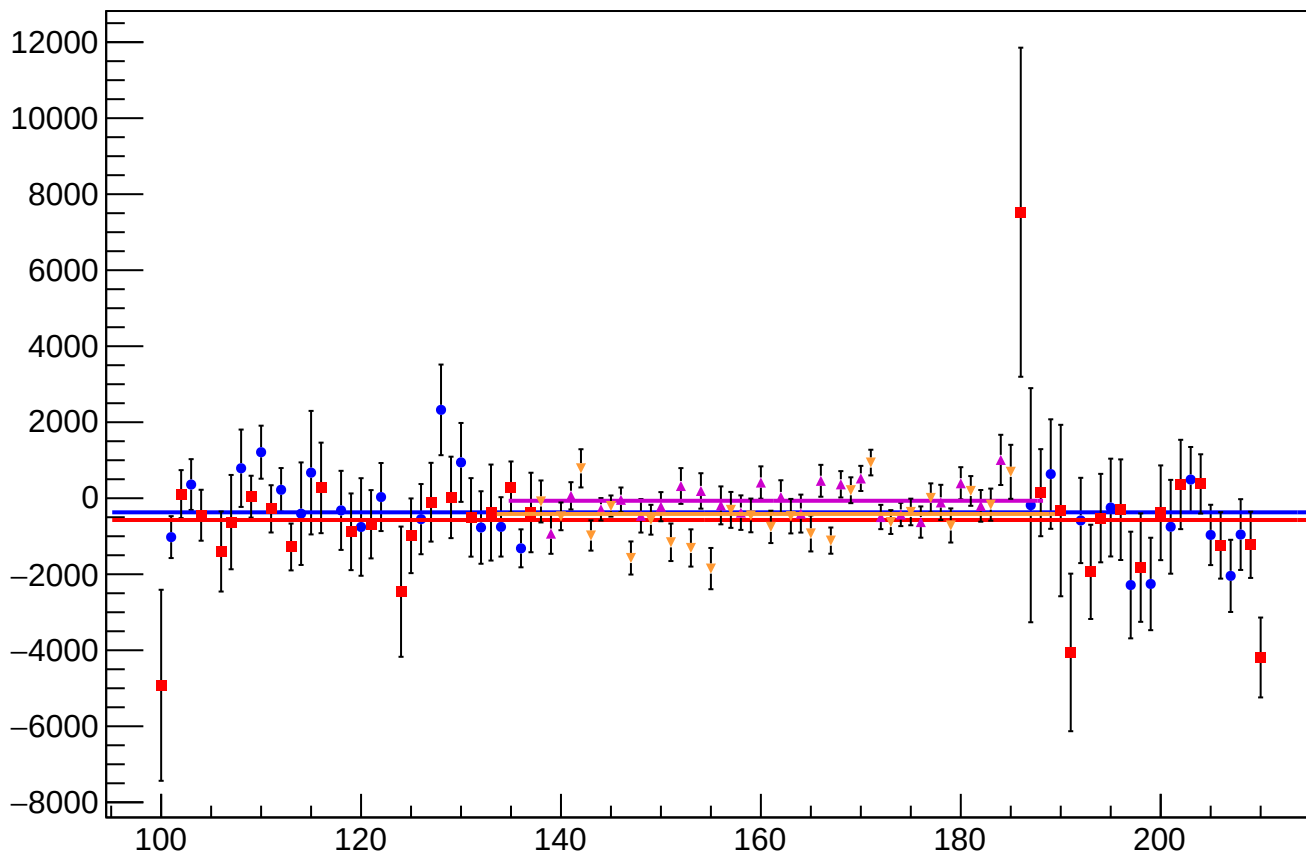
Left In: 57.940+/-0.010 χ^2/NDF : 1124523.3/22

+ sign 62.114+/-0.008 χ^2/NDF : 6556919.9/51

All: 62.818+/-0.006 χ^2/NDF : 14767454.5/107

- sign 63.546+/-0.008 χ^2/NDF : 8194324.4/55

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -370.565 ± 171.787 χ^2/NDF : 31.5/26

Left Out: -413.053 ± 81.134 χ^2/NDF : 61.3/24

Right Out: -572.338 ± 166.650 χ^2/NDF : 35.7/32

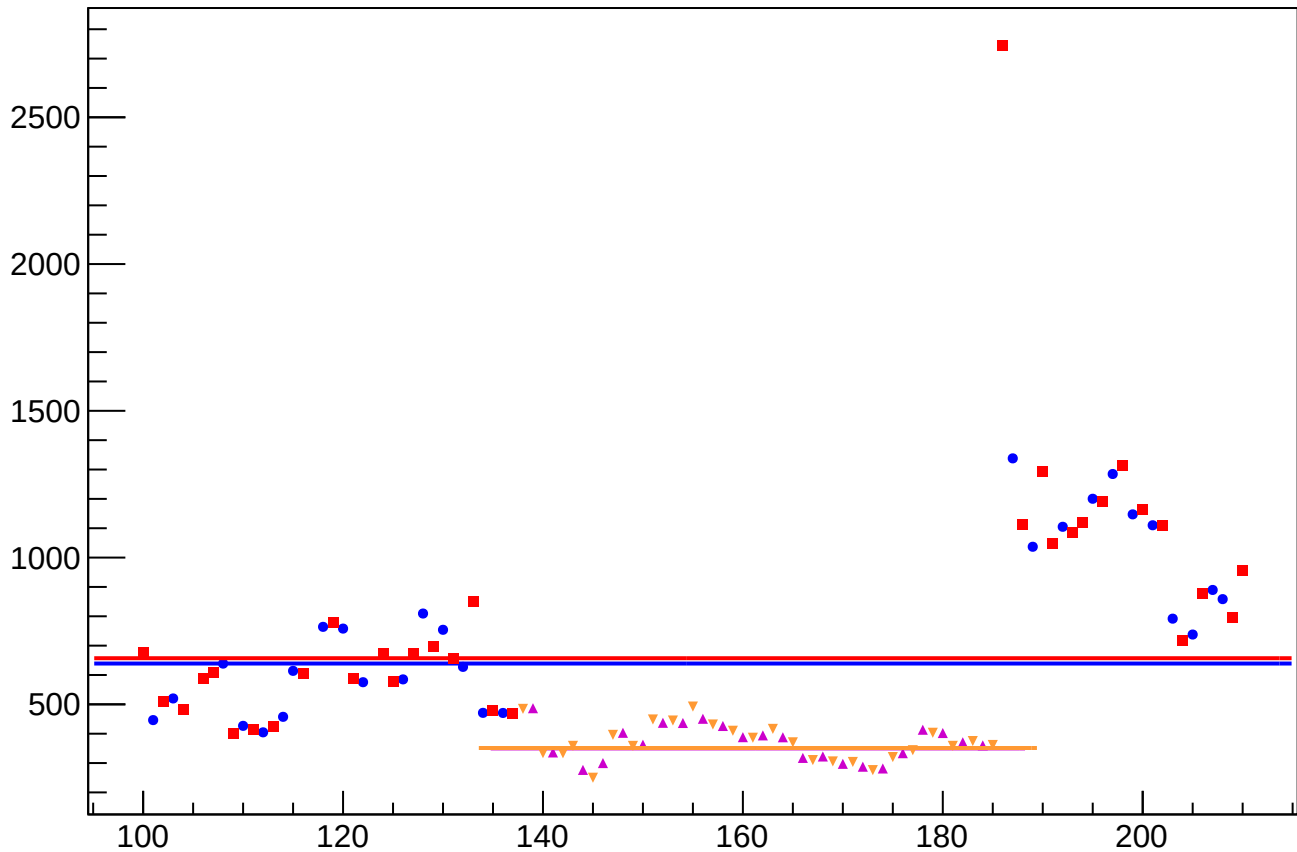
Left In: -66.637 ± 83.082 χ^2/NDF : 22.9/22

+ sign -405.304 ± 73.363 χ^2/NDF : 92.9/51

All: -287.901 ± 52.222 χ^2/NDF : 164.1/107

- sign -167.305 ± 74.354 χ^2/NDF : 66.0/55

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 639.061 ± 0.121 $\chi^2/\text{NDF}: 3702835.3/26$

Left Out: 351.264 ± 0.057 $\chi^2/\text{NDF}: 1118247.7/24$

Right Out: 657.125 ± 0.118 $\chi^2/\text{NDF}: 4892272.7/32$

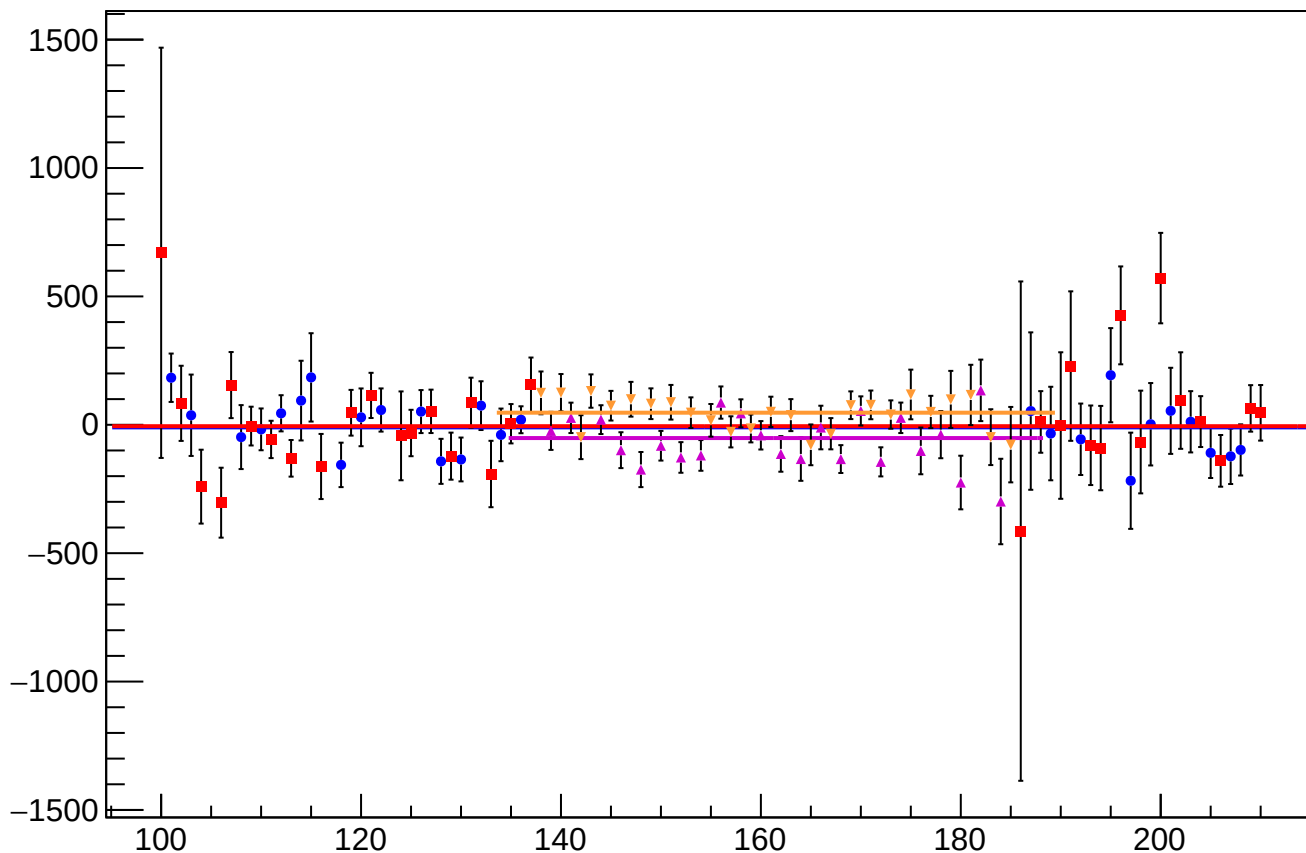
Left In: 349.813 ± 0.059 $\chi^2/\text{NDF}: 990366.6/22$

+ sign 403.753 ± 0.052 $\chi^2/\text{NDF}: 9410681.3/51$

All: 407.322 ± 0.037 $\chi^2/\text{NDF}: 20750135.7/10$

- sign 410.988 ± 0.053 $\chi^2/\text{NDF}: 11329858.2/55$

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -10.008 ± 19.745 χ^2/NDF : 22.2/26

Left Out: 47.151 ± 13.511 χ^2/NDF : 17.0/24

Right Out: -5.474 ± 19.524 χ^2/NDF : 45.1/32

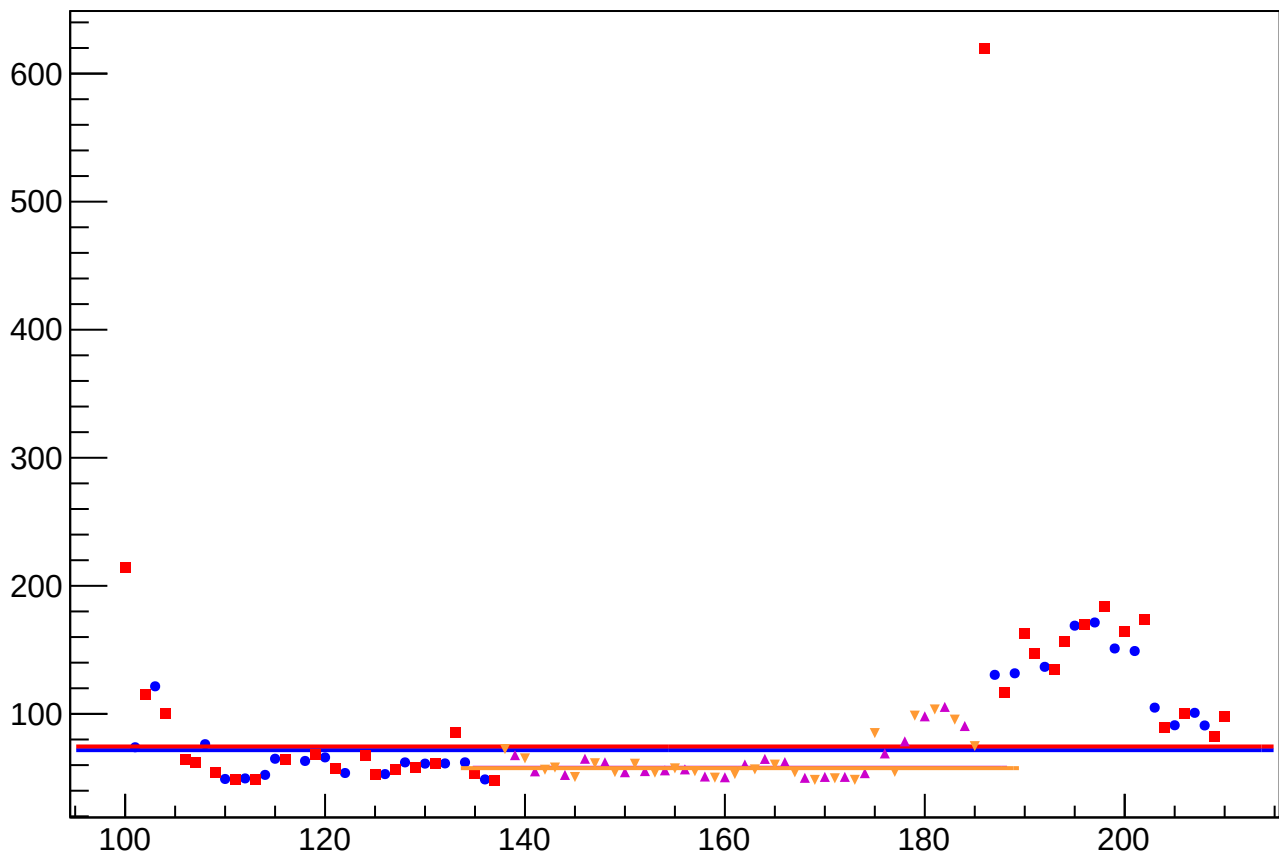
Left In: -51.651 ± 13.934 χ^2/NDF : 38.2/22

+ sign 28.922 ± 11.151 χ^2/NDF : 44.9/51

All: -3.022 ± 7.951 χ^2/NDF : 148.6/107

- sign -36.069 ± 11.342 χ^2/NDF : 87.0/55

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 71.688 $\pm$ 0.014 χ^2 /NDF: 4501065.3/26

Left Out: 57.631 $\pm$ 0.010 χ^2 /NDF: 1365443.1/24

Right Out: 74.552 $\pm$ 0.014 χ^2 /NDF: 6110454.5/32

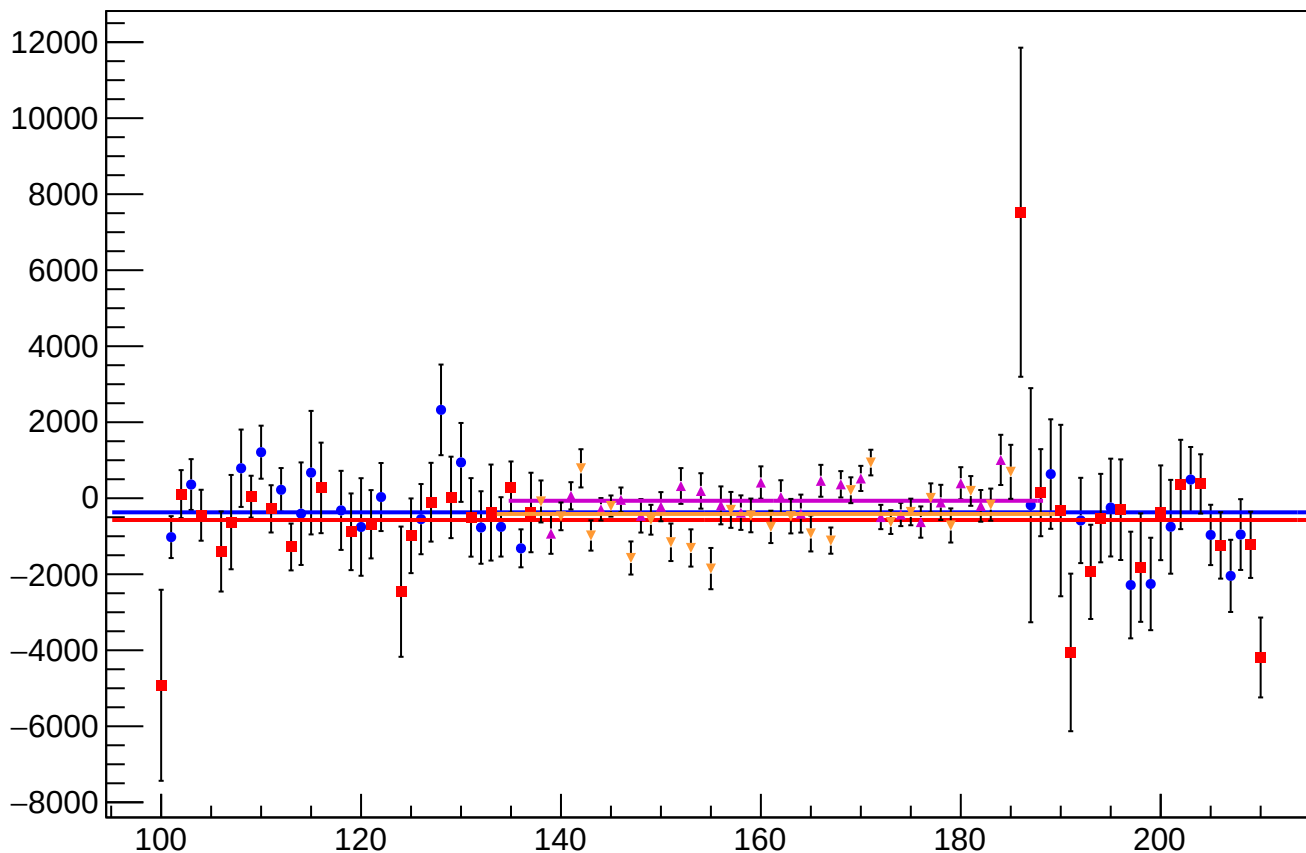
Left In: 57.940 $\pm$ 0.010 χ^2 /NDF: 1124509.8/22

+ sign 62.114 $\pm$ 0.008 χ^2 /NDF: 6556891.8/51

All: 62.818 $\pm$ 0.006 χ^2 /NDF: 14767393.9/107

- sign 63.546 $\pm$ 0.008 χ^2 /NDF: 8194291.3/55

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug



Right In: -370.565 ± 171.786 χ^2/NDF : 31.5/26

Left Out: -413.053 ± 81.134 χ^2/NDF : 61.3/24

Right Out: -572.337 ± 166.650 χ^2/NDF : 35.7/32

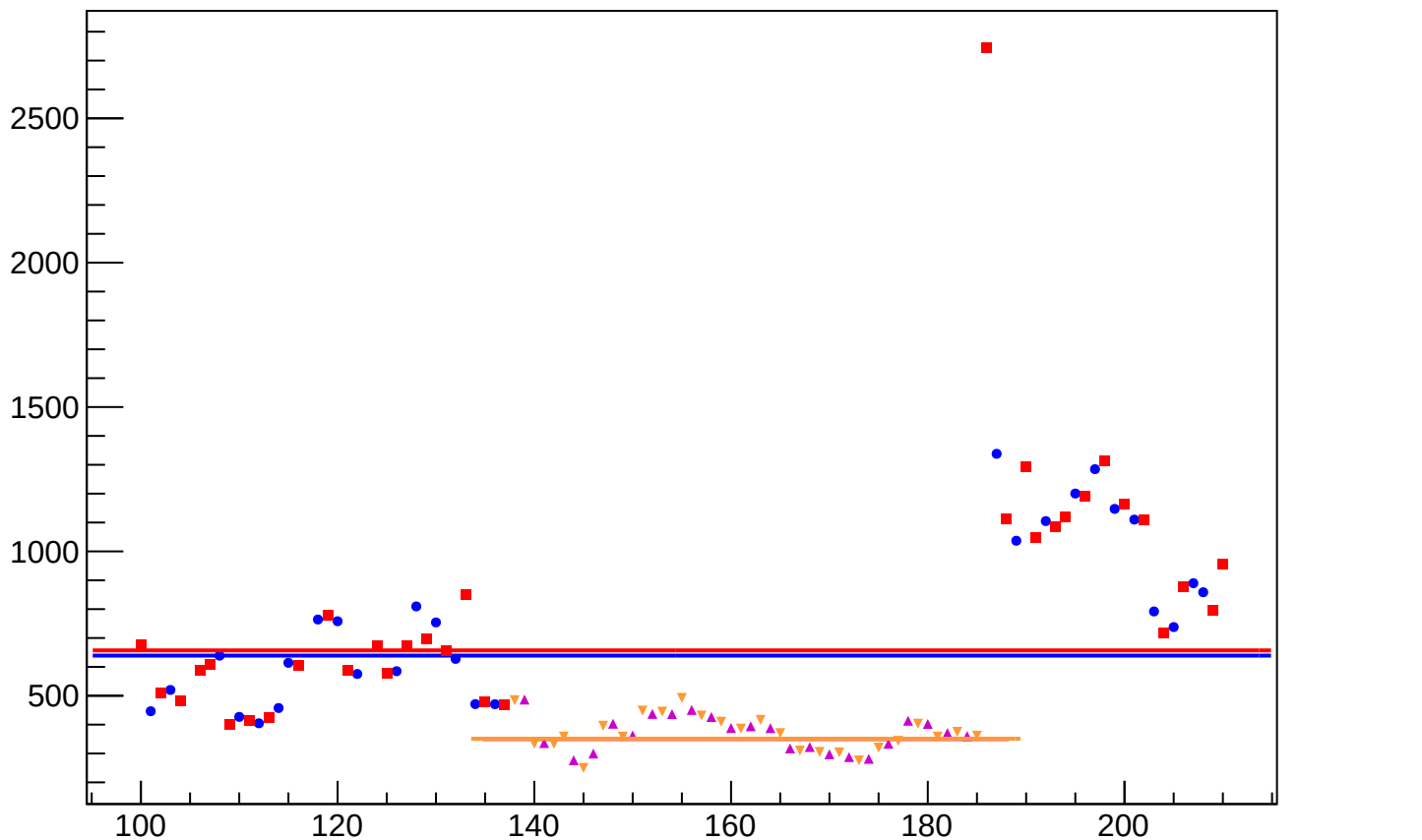
Left In: -66.637 ± 83.082 χ^2/NDF : 22.9/22

+ sign -405.304 ± 73.363 χ^2/NDF : 92.9/51

All: -287.900 ± 52.222 χ^2/NDF : 164.1/107

- sign -167.305 ± 74.354 χ^2/NDF : 66.0/55

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug



Right In: 639.060 ± 0.121 $\chi^2/\text{NDF}: 3702844.9/26$

Left Out: 351.264 ± 0.057 $\chi^2/\text{NDF}: 1118243.1/24$

Right Out: 657.123 ± 0.118 $\chi^2/\text{NDF}: 4892279.7/32$

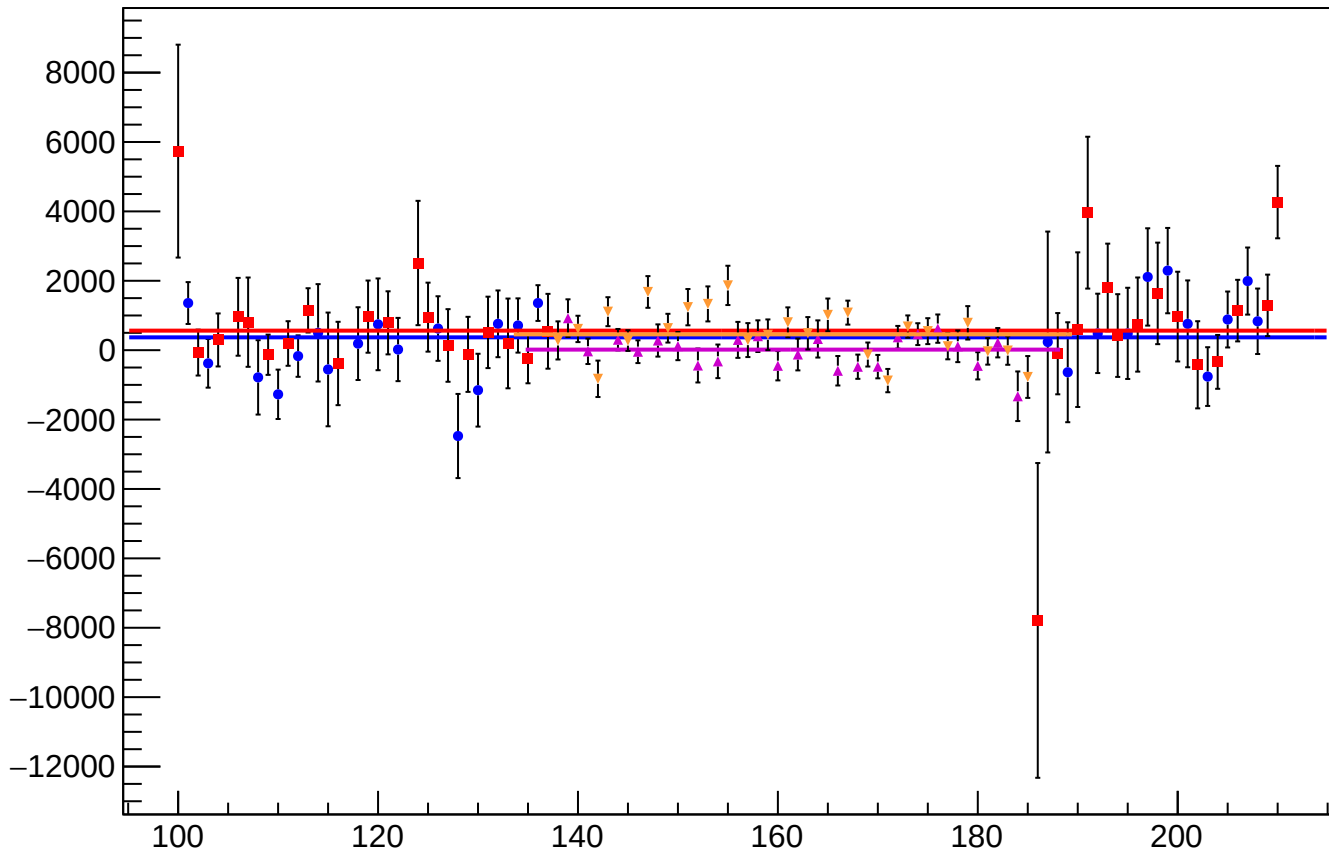
Left In: 349.813 ± 0.059 $\chi^2/\text{NDF}: 990359.9/22$

+ sign 403.753 ± 0.052 $\chi^2/\text{NDF}: 9410673.3/51$

All: 407.322 ± 0.037 $\chi^2/\text{NDF}: 20750109.1/10$

- sign 410.988 ± 0.053 $\chi^2/\text{NDF}: 11329839.3/55$

asym_sam_1357_avg_mean vs Slug



Right In: 369.767 ± 176.535 χ^2/NDF : 33.3/26

Left Out: 455.234 ± 82.961 χ^2/NDF : 60.8/24

Right Out: 563.133 ± 172.656 χ^2/NDF : 34.2/32

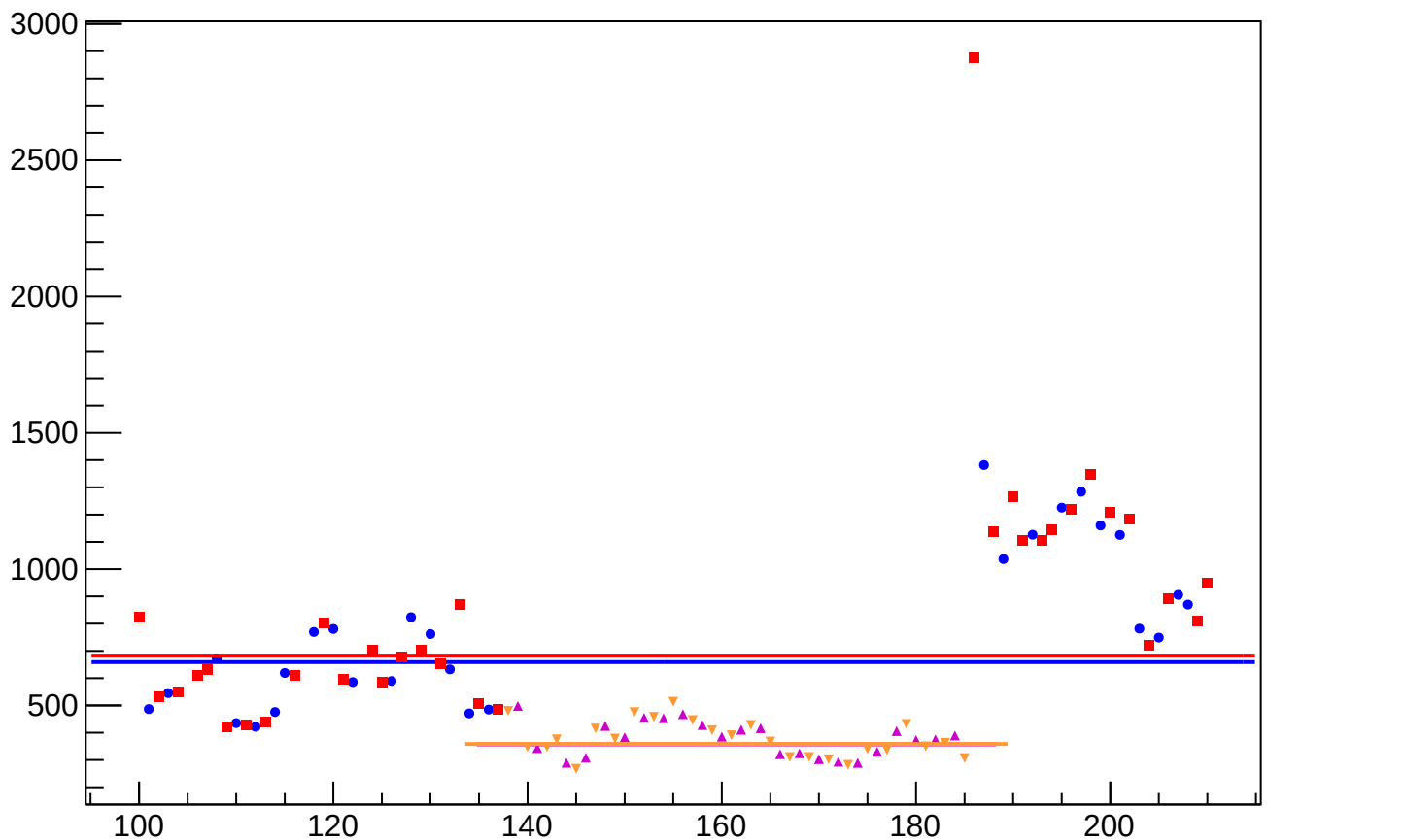
Left In: 16.073 ± 84.830 χ^2/NDF : 24.9/22

+ sign 439.774 ± 75.083 χ^2/NDF : 94.3/51

All: 283.325 ± 53.460 χ^2/NDF : 170.2/107

- sign 122.453 ± 76.137 χ^2/NDF : 67.1/55

asym_sam_1357_avg_rms vs Slug



Right In: 659.070 ± 0.125 χ^2/NDF : 3481282.1/26

Left Out: 358.677 ± 0.059 χ^2/NDF : 1119535.1/24

Right Out: 682.831 ± 0.122 χ^2/NDF : 4665862.0/32

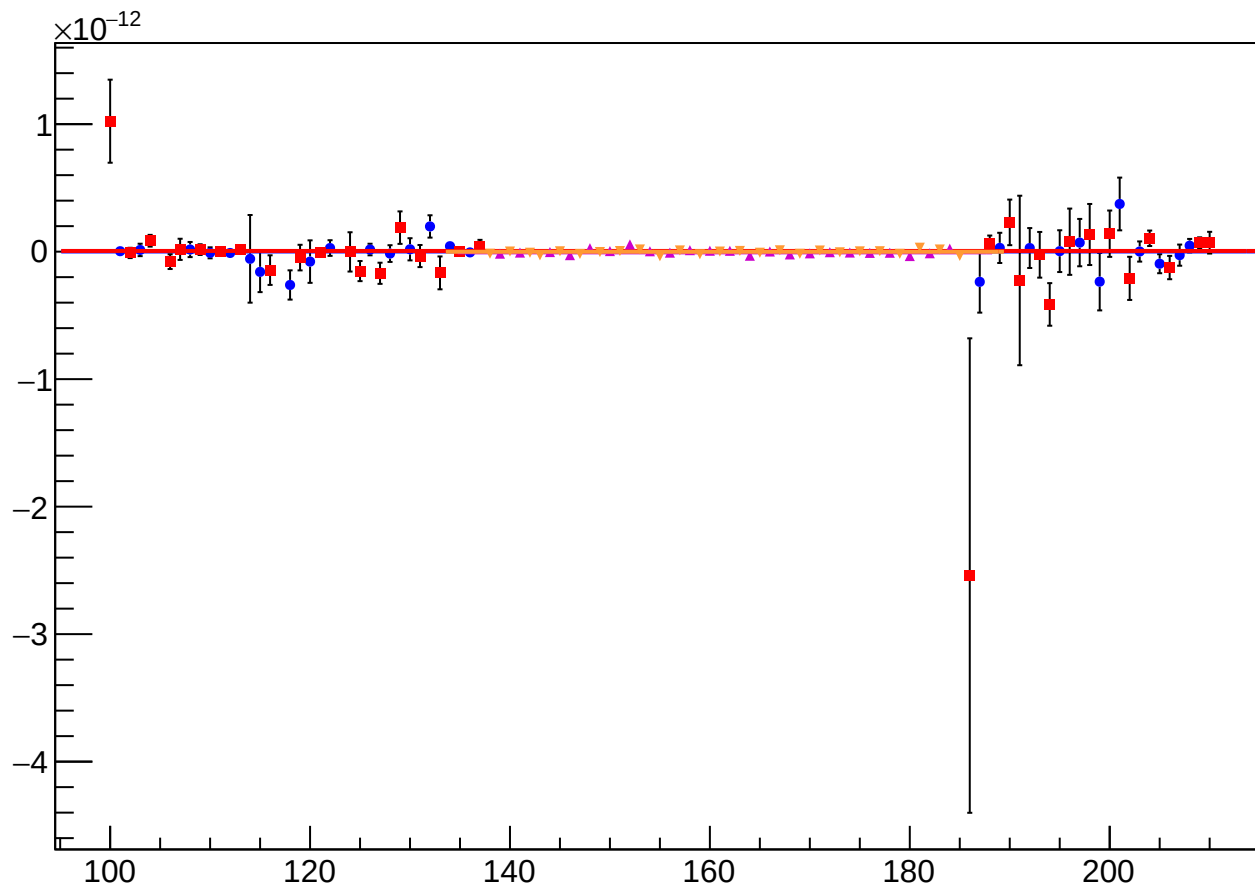
Left In: 357.182 ± 0.060 χ^2/NDF : 981641.8/22

+ sign 413.016 ± 0.053 χ^2/NDF : 9344233.6/51

All: 416.710 ± 0.038 χ^2/NDF : 20732846.9/10

- sign 420.508 ± 0.054 χ^2/NDF : 11378796.9/55

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 21.7/26

Left Out: -0.000+/-0.000 χ^2/NDF : 18.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 50.9/32

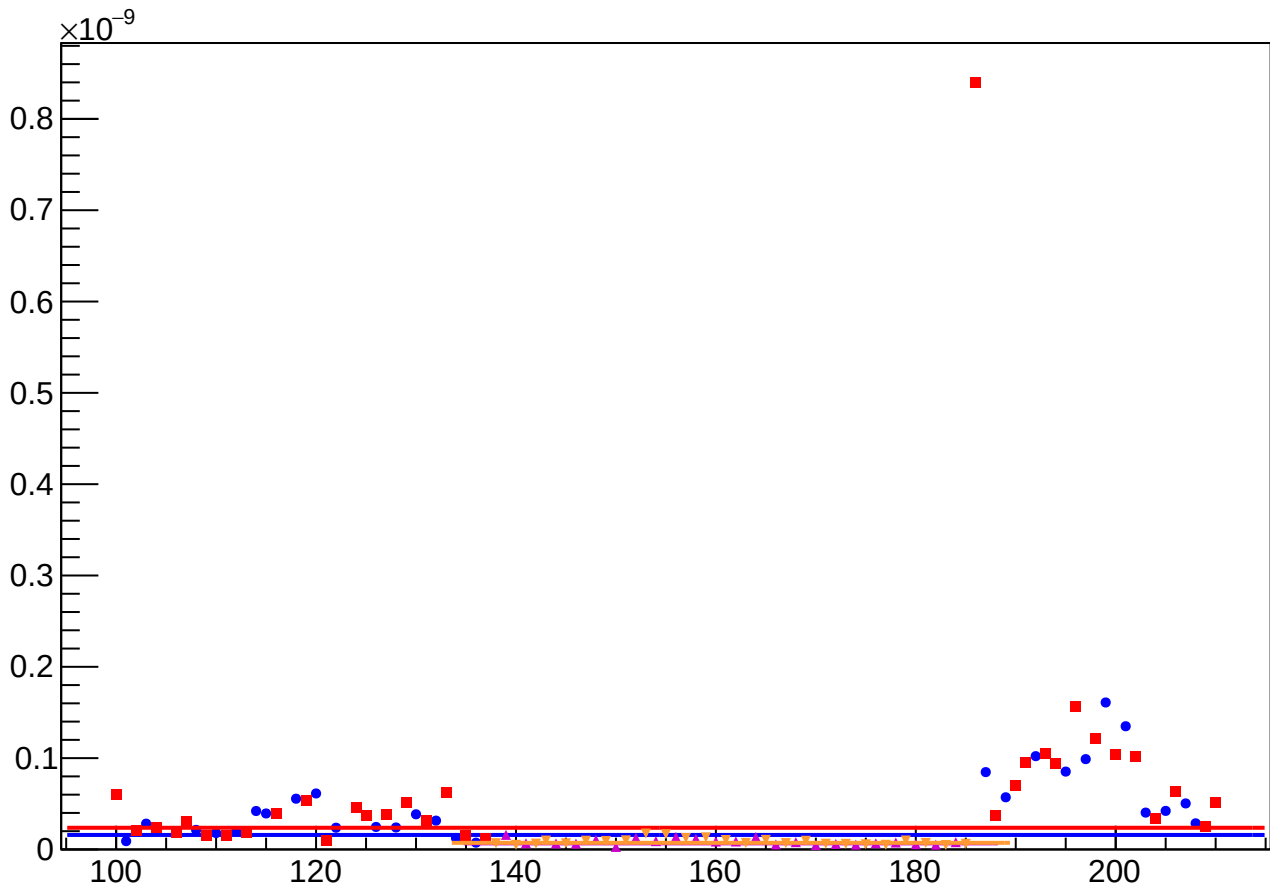
Left In: -0.000+/-0.000 χ^2/NDF : 28.5/22

+ sign -0.000+/-0.000 χ^2/NDF : 39.9/51

All: -0.000+/-0.000 χ^2/NDF : 121.5/107

- sign -0.000+/-0.000 χ^2/NDF : 80.4/55

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6141508.6/26

Left Out: 0.000+/-0.000 χ^2/NDF :1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5354561.8/32

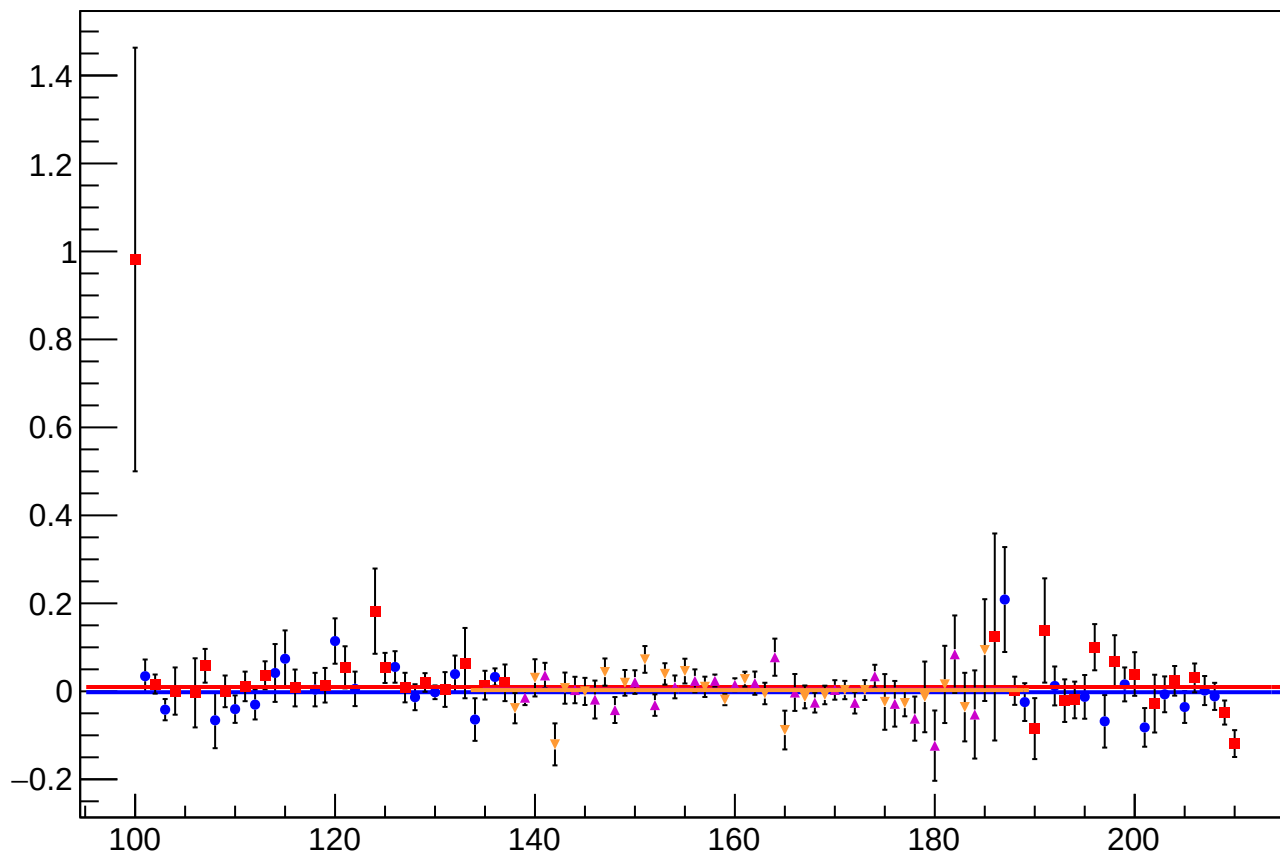
Left In: 0.000+/-0.000 χ^2/NDF :1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 9358607.4/51

All: 0.000+/-0.000 χ^2/NDF : 21008481.9/107

- sign 0.000+/-0.000 χ^2/NDF : 11630654.8/55

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.007 χ^2/NDF : 31.6/26

Left Out: 0.003 ± 0.005 χ^2/NDF : 32.8/24

Right Out: 0.010 ± 0.007 χ^2/NDF : 44.7/32

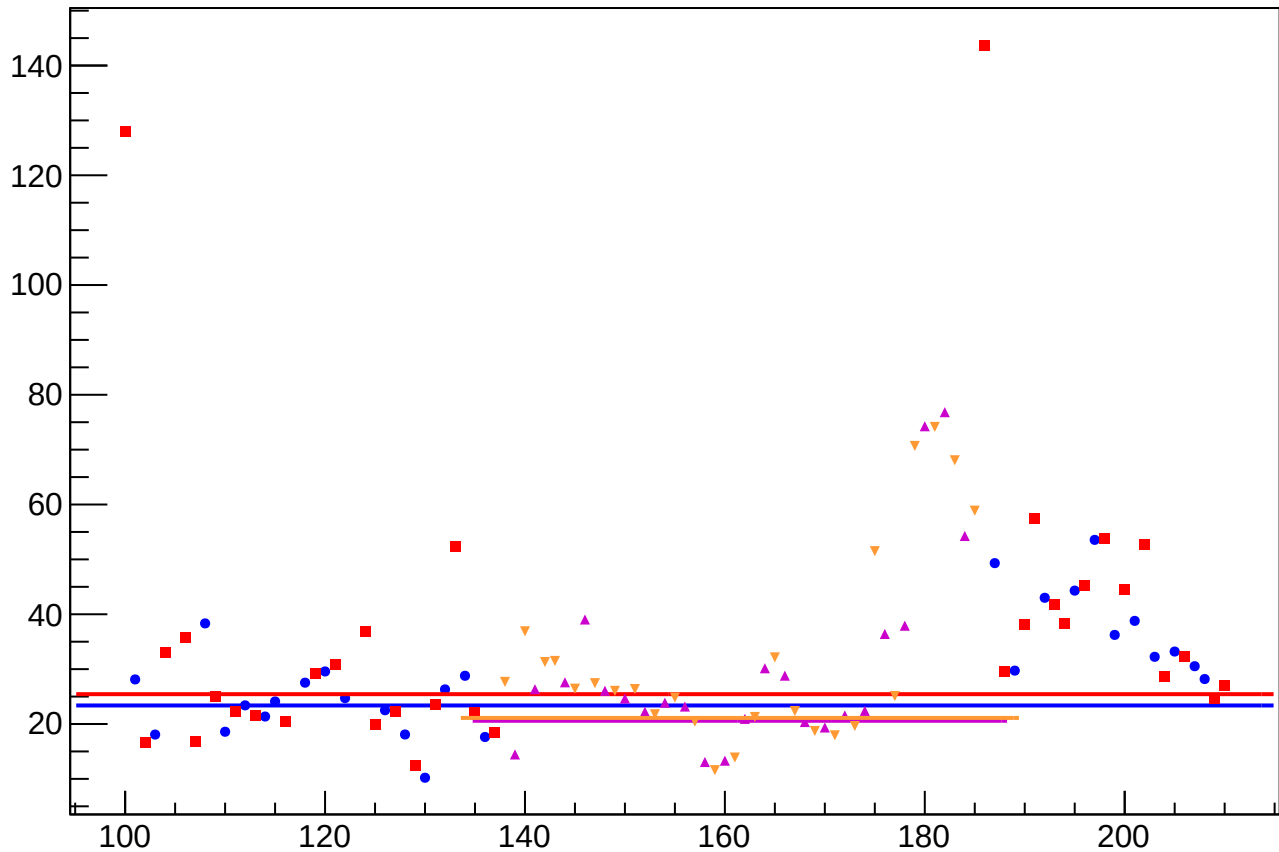
Left In: 0.004 ± 0.005 χ^2/NDF : 24.6/22

+ sign 0.001 ± 0.004 χ^2/NDF : 64.7/51

All: 0.004 ± 0.003 χ^2/NDF : 135.3/107

- sign 0.006 ± 0.004 χ^2/NDF : 69.7/55

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 23.379 $\pm$ 0.005 χ^2 /NDF: 4297035.2/26

Left Out: 21.109 $\pm$ 0.004 χ^2 /NDF: 5546528.5/24

Right Out: 25.439 $\pm$ 0.005 χ^2 /NDF: 4547153.7/32

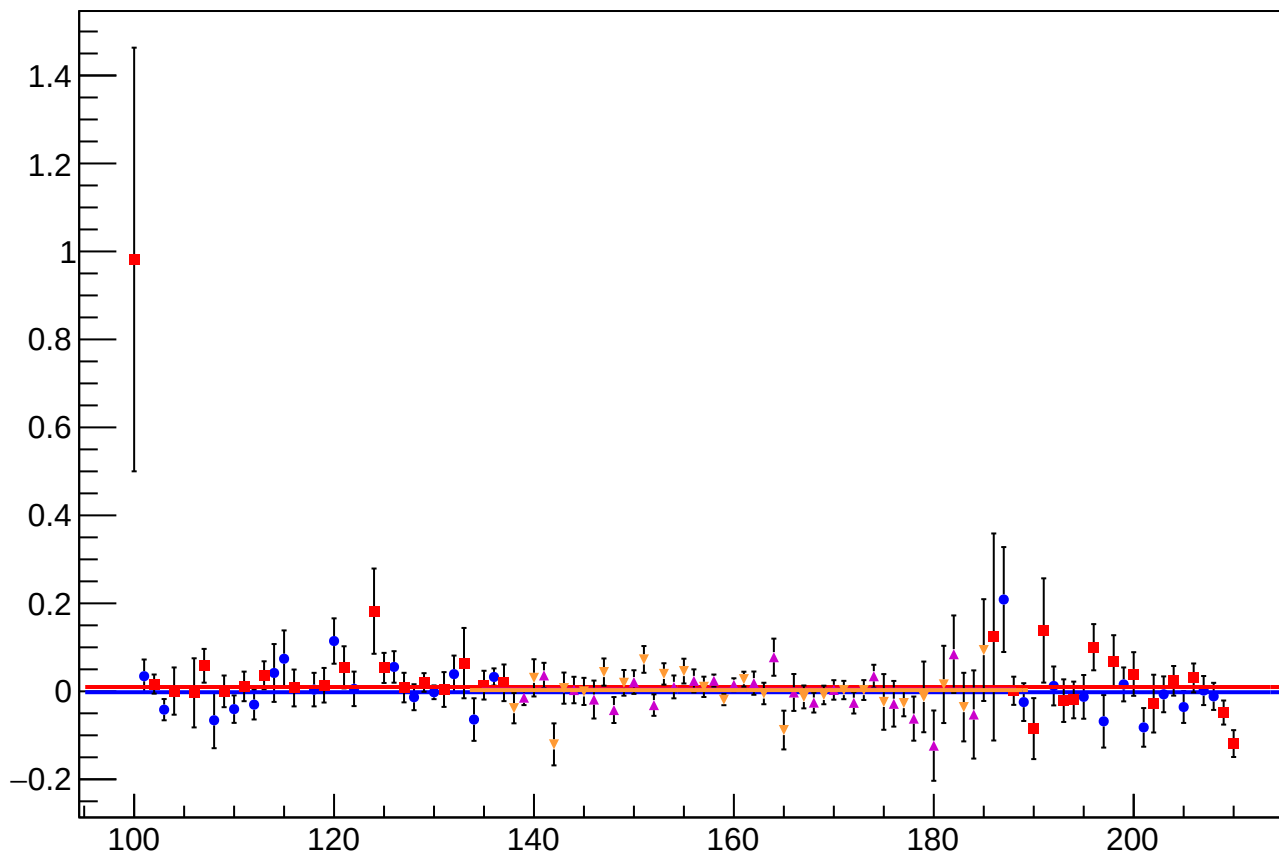
Left In: 20.591 $\pm$ 0.004 χ^2 /NDF: 4599493.5/22

+ sign 22.025 $\pm$ 0.003 χ^2 /NDF: 9983513.4/51

All: 22.255 $\pm$ 0.002 χ^2 /NDF: 19764961.2/107

- sign 22.489 $\pm$ 0.003 χ^2 /NDF: 9769400.6/55

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.007 χ^2/NDF : 31.6/26

Left Out: 0.003 ± 0.005 χ^2/NDF : 32.8/24

Right Out: 0.010 ± 0.007 χ^2/NDF : 44.7/32

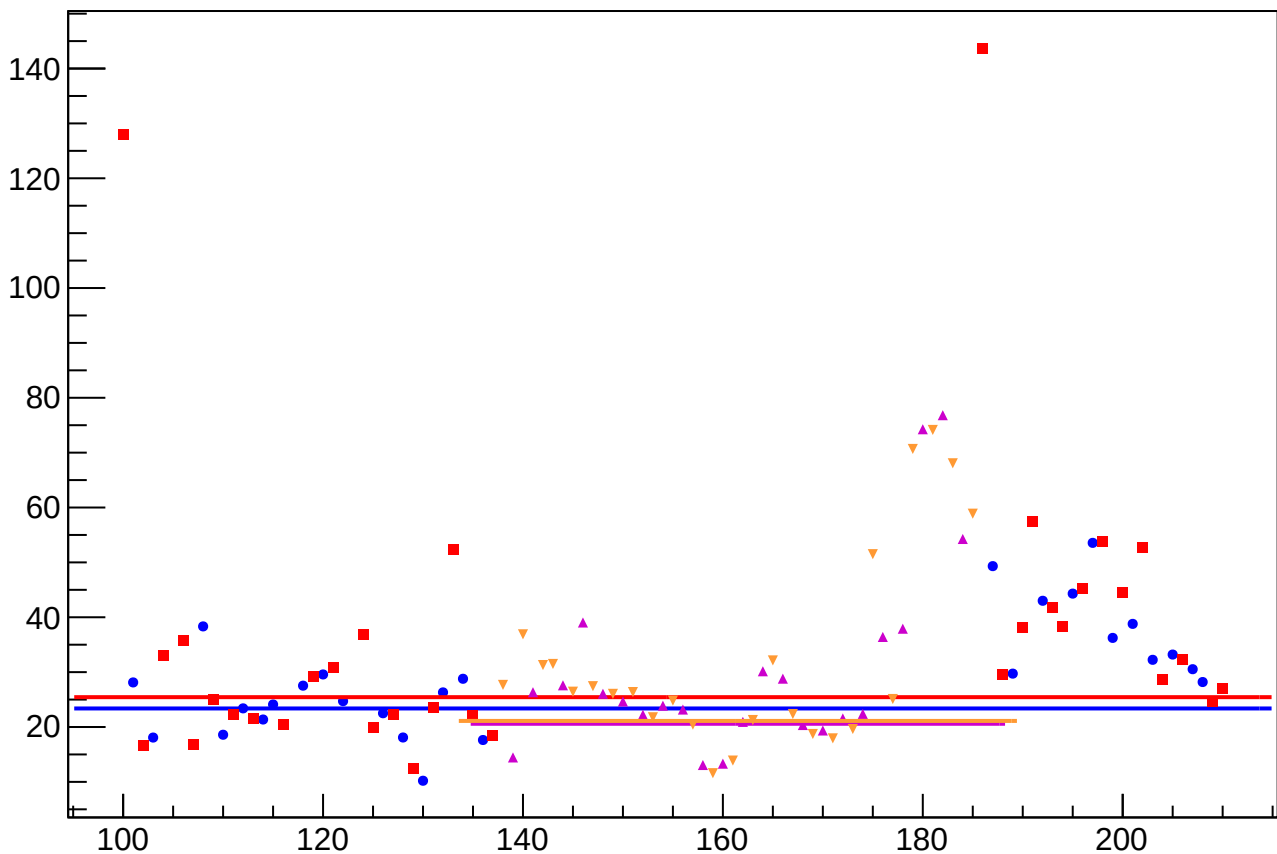
Left In: 0.004 ± 0.005 χ^2/NDF : 24.6/22

+ sign 0.001 ± 0.004 χ^2/NDF : 64.7/51

All: 0.004 ± 0.003 χ^2/NDF : 135.3/107

- sign 0.006 ± 0.004 χ^2/NDF : 69.7/55

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.379+/-0.005 χ^2/NDF : 4297035.2/26

Left Out: 21.109+/-0.004 χ^2/NDF : 5546528.5/24

Right Out: 25.439+/-0.005 χ^2/NDF : 4547153.7/32

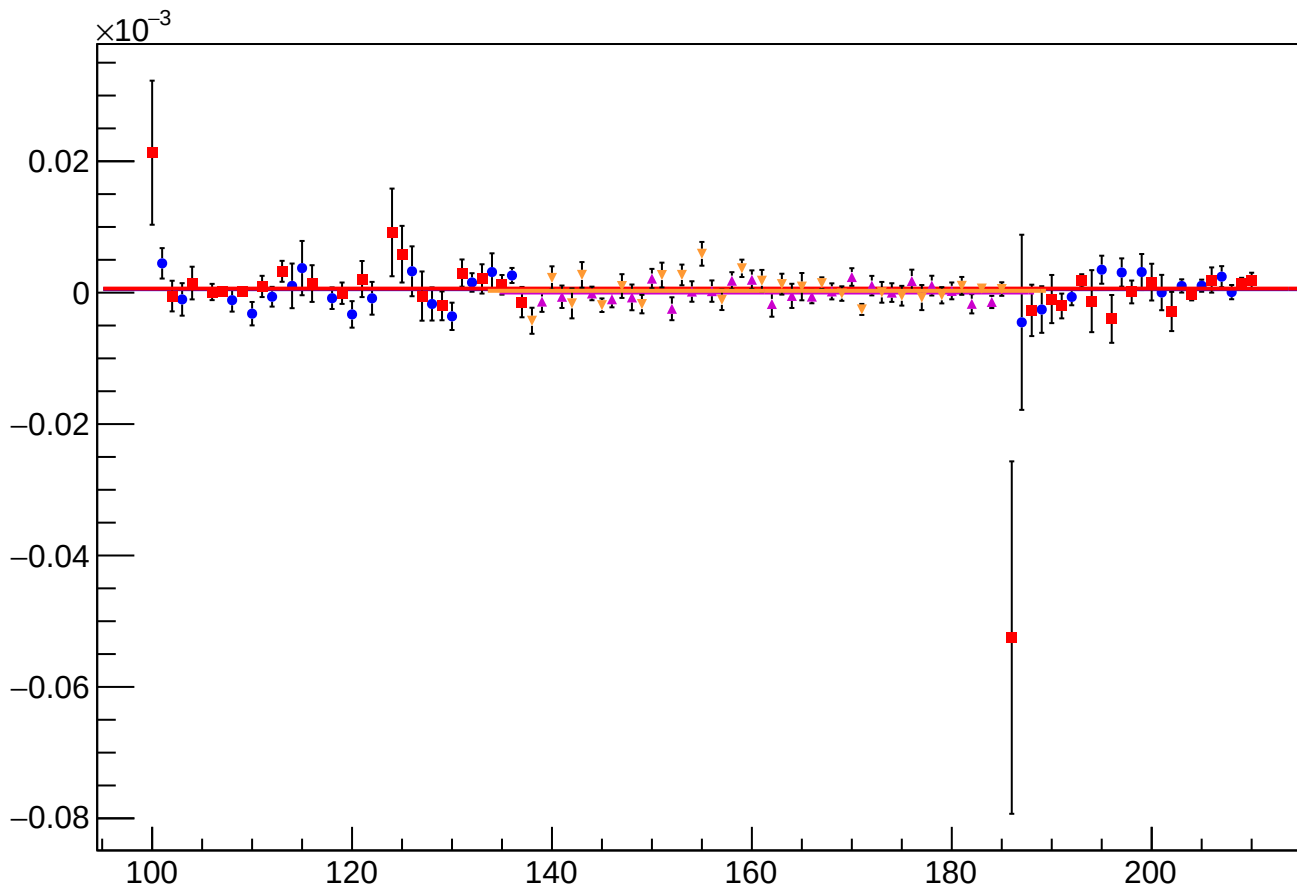
Left In: 20.591+/-0.004 χ^2/NDF : 4599493.5/22

+ sign 22.025+/-0.003 χ^2/NDF : 9983513.4/51

All: 22.255+/-0.002 χ^2/NDF : 19764961.2/107

- sign 22.489+/-0.003 χ^2/NDF : 9769400.6/55

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.6/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:52.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.1/32

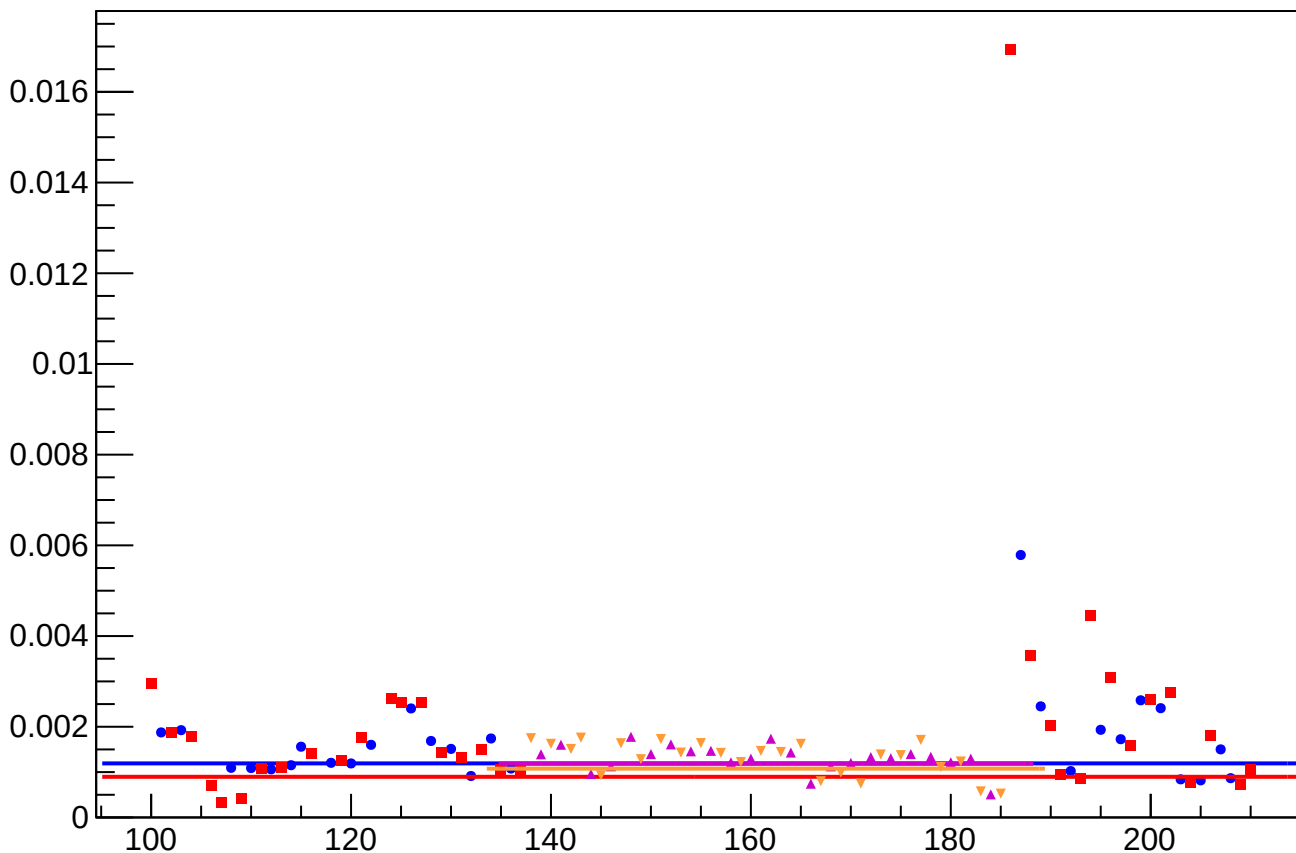
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 85.5/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 138.7/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 53.2/55

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 3588753.7/26

Left Out: 0.001+/-0.000 χ^2/NDF : 4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF : 11171486.3/32

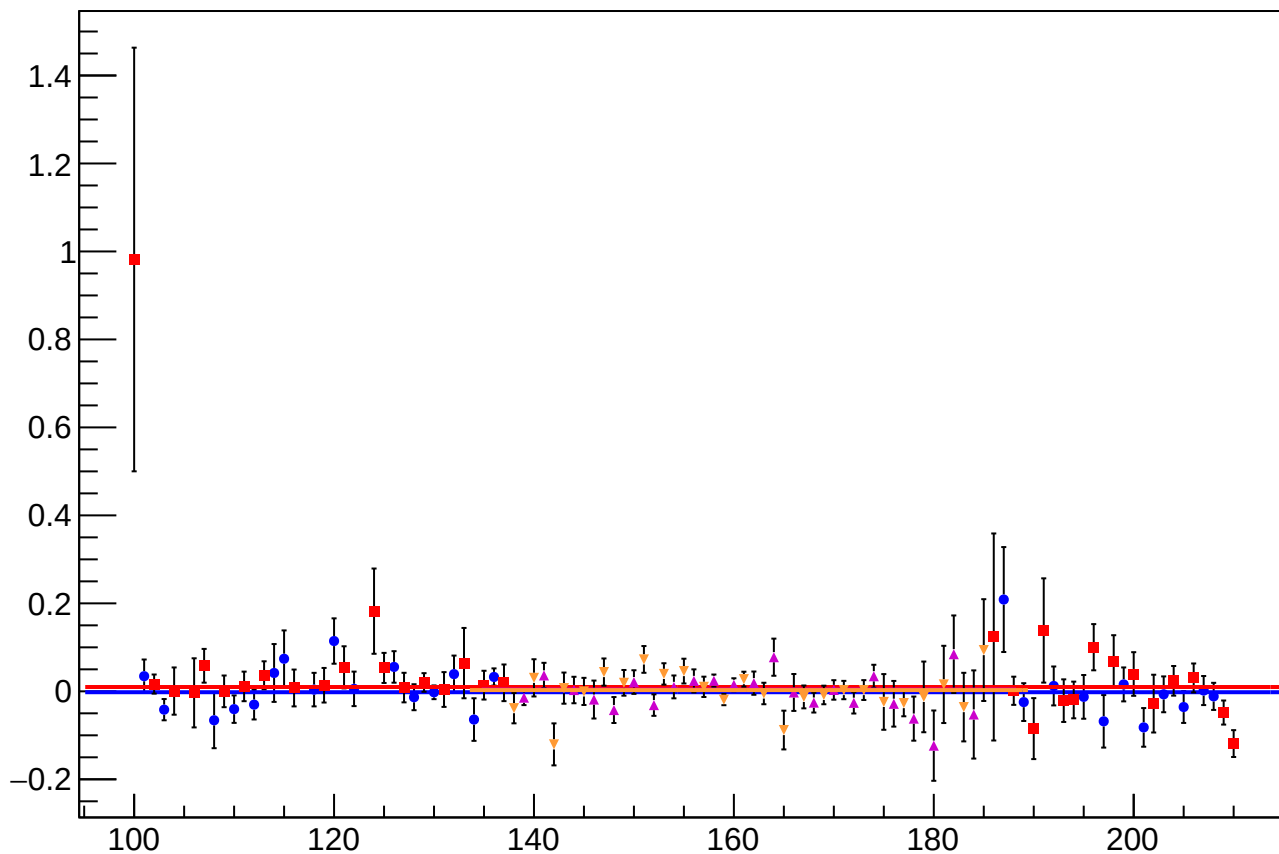
Left In: 0.001+/-0.000 χ^2/NDF : 2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF : 8282925.2/51

All: 0.001+/-0.000 χ^2/NDF : 23232859.2/107

- sign 0.001+/-0.000 χ^2/NDF : 14724195.5/55

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.007 χ^2/NDF : 31.6/26

Left Out: 0.003 ± 0.005 χ^2/NDF : 32.8/24

Right Out: 0.010 ± 0.007 χ^2/NDF : 44.7/32

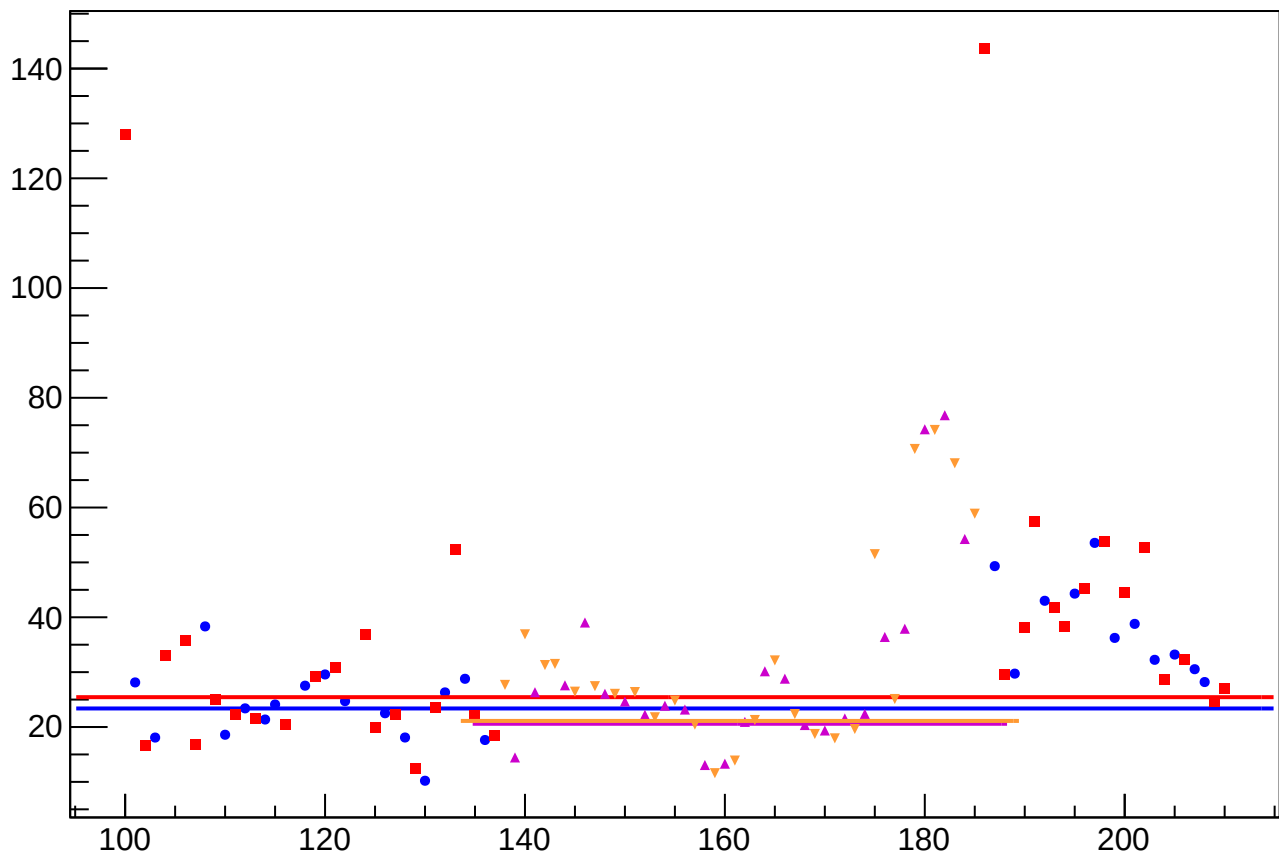
Left In: 0.004 ± 0.005 χ^2/NDF : 24.6/22

+ sign 0.001 ± 0.004 χ^2/NDF : 64.7/51

All: 0.004 ± 0.003 χ^2/NDF : 135.3/107

- sign 0.006 ± 0.004 χ^2/NDF : 69.7/55

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.380 $\pm$ 0.005 χ^2 /NDF: 4296766.8/26

Left Out: 21.109 $\pm$ 0.004 χ^2 /NDF: 5546663.4/24

Right Out: 25.439 $\pm$ 0.005 χ^2 /NDF: 4547125.1/32

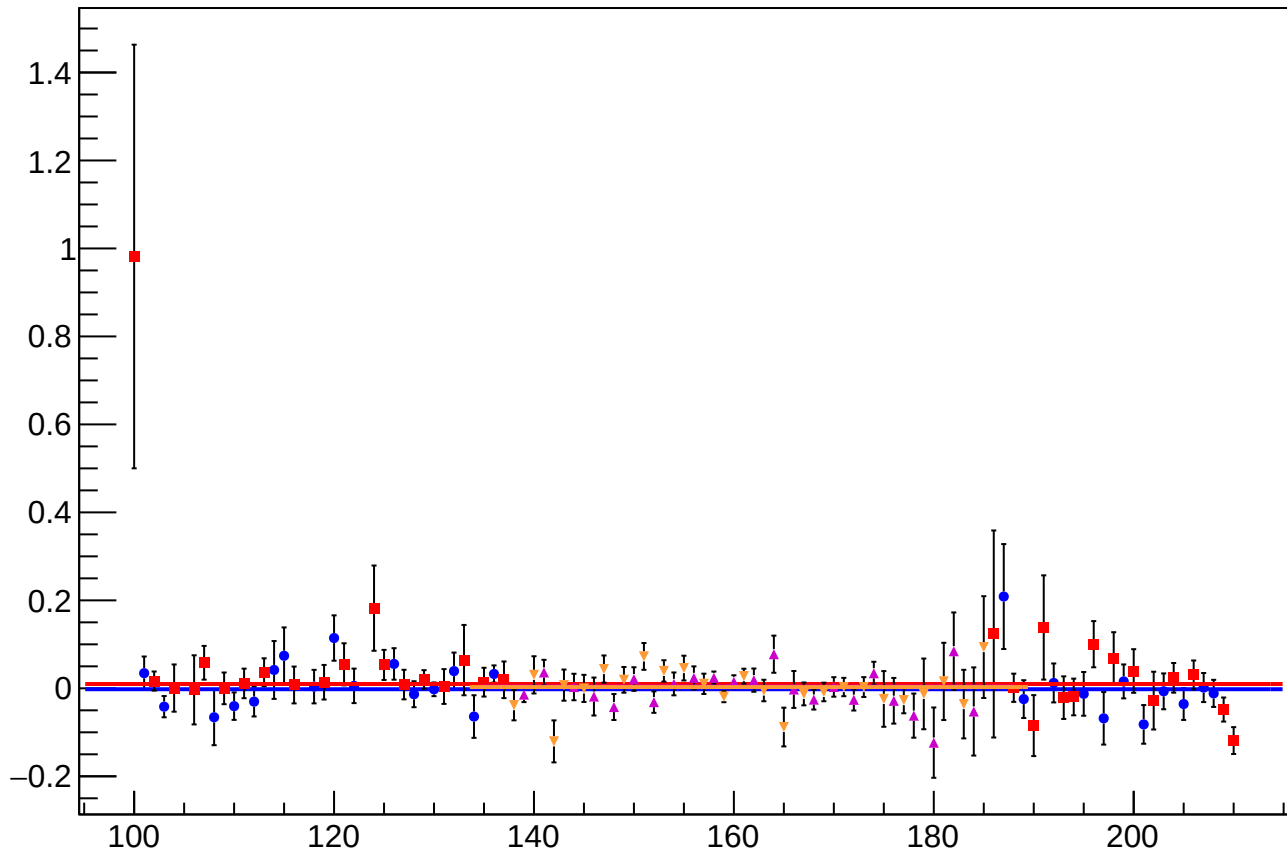
Left In: 20.592 $\pm$ 0.004 χ^2 /NDF: 4599496.2/22

+ sign 22.025 $\pm$ 0.003 χ^2 /NDF: 9983419.5/51

All: 22.256 $\pm$ 0.002 χ^2 /NDF: 19764812.7/107

- sign 22.489 $\pm$ 0.003 χ^2 /NDF: 9769345.0/55

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.007 χ^2/NDF : 31.6/26

Left Out: 0.003 ± 0.005 χ^2/NDF : 32.8/24

Right Out: 0.010 ± 0.007 χ^2/NDF : 44.7/32

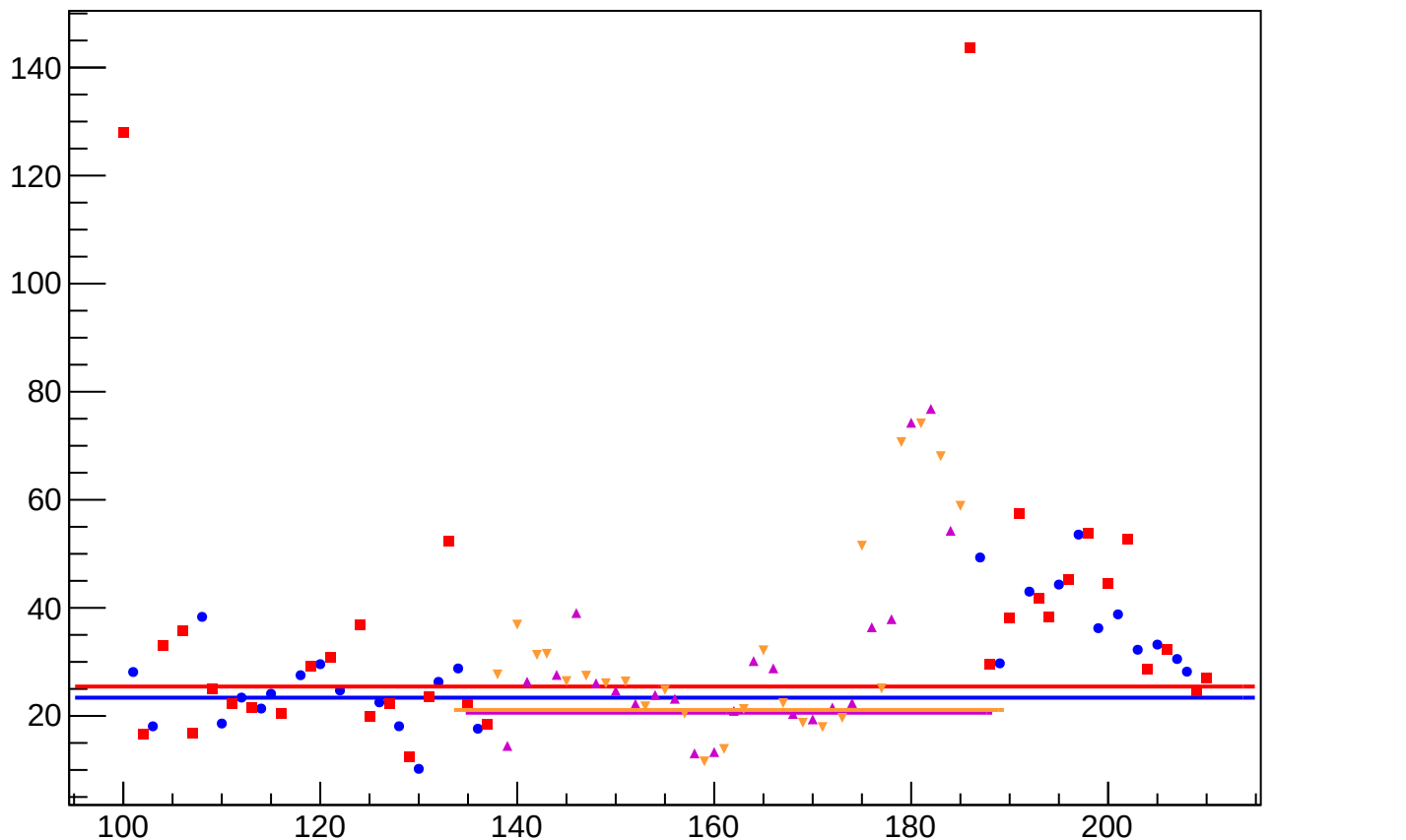
Left In: 0.004 ± 0.005 χ^2/NDF : 24.6/22

+ sign 0.001 ± 0.004 χ^2/NDF : 64.7/51

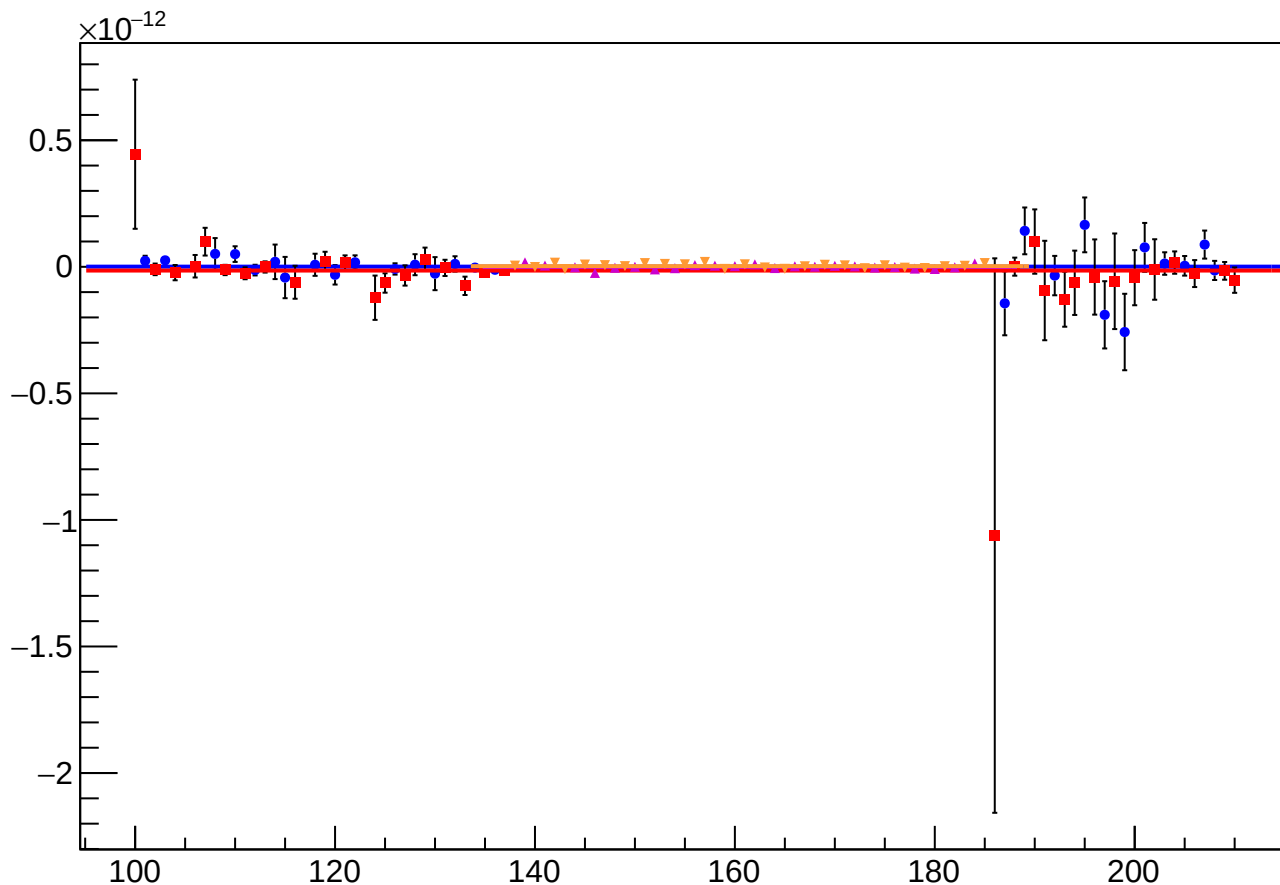
All: 0.004 ± 0.003 χ^2/NDF : 135.3/107

- sign 0.006 ± 0.004 χ^2/NDF : 69.7/55

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.0/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:20.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/32

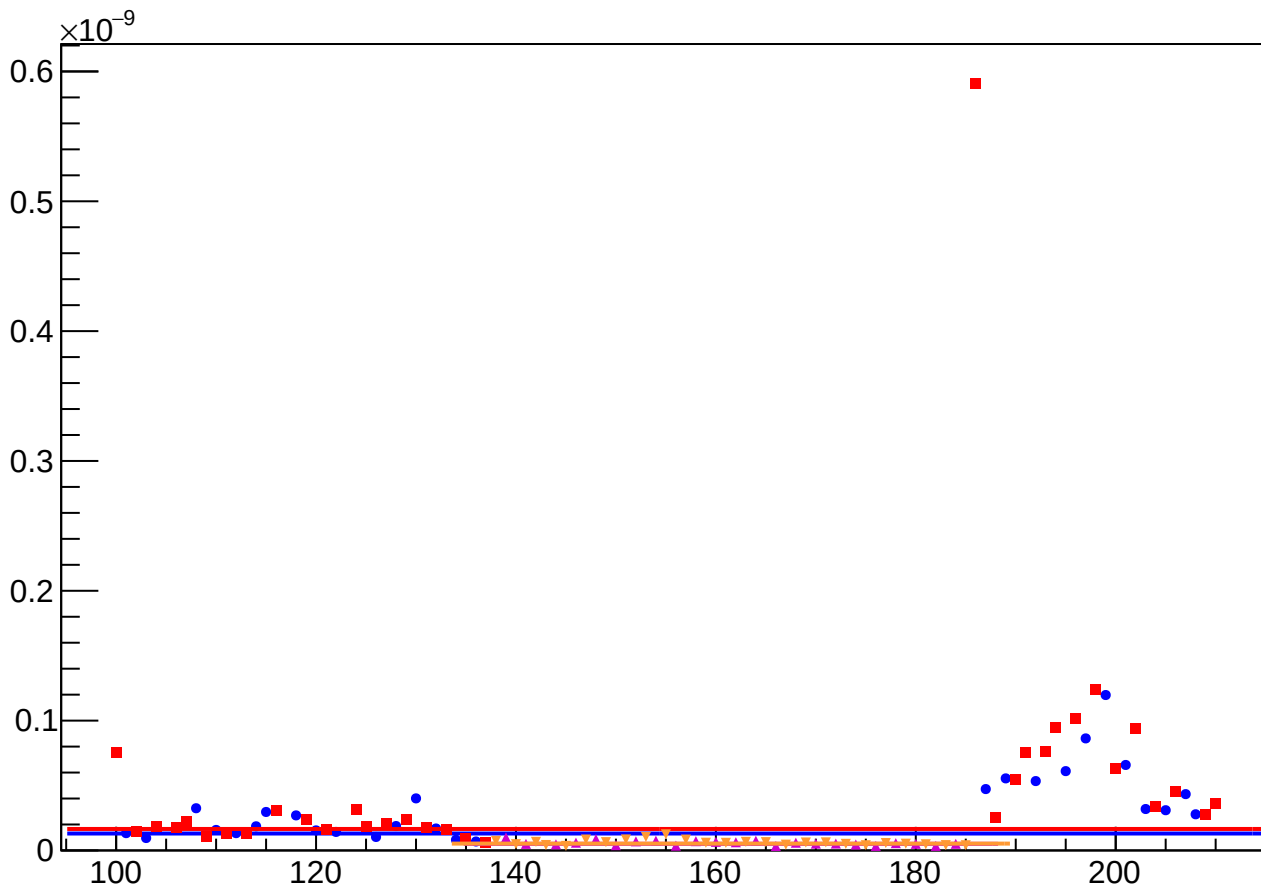
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:21.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.8/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 98.1/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 48.6/55

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7582265.2/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8147374.0/32

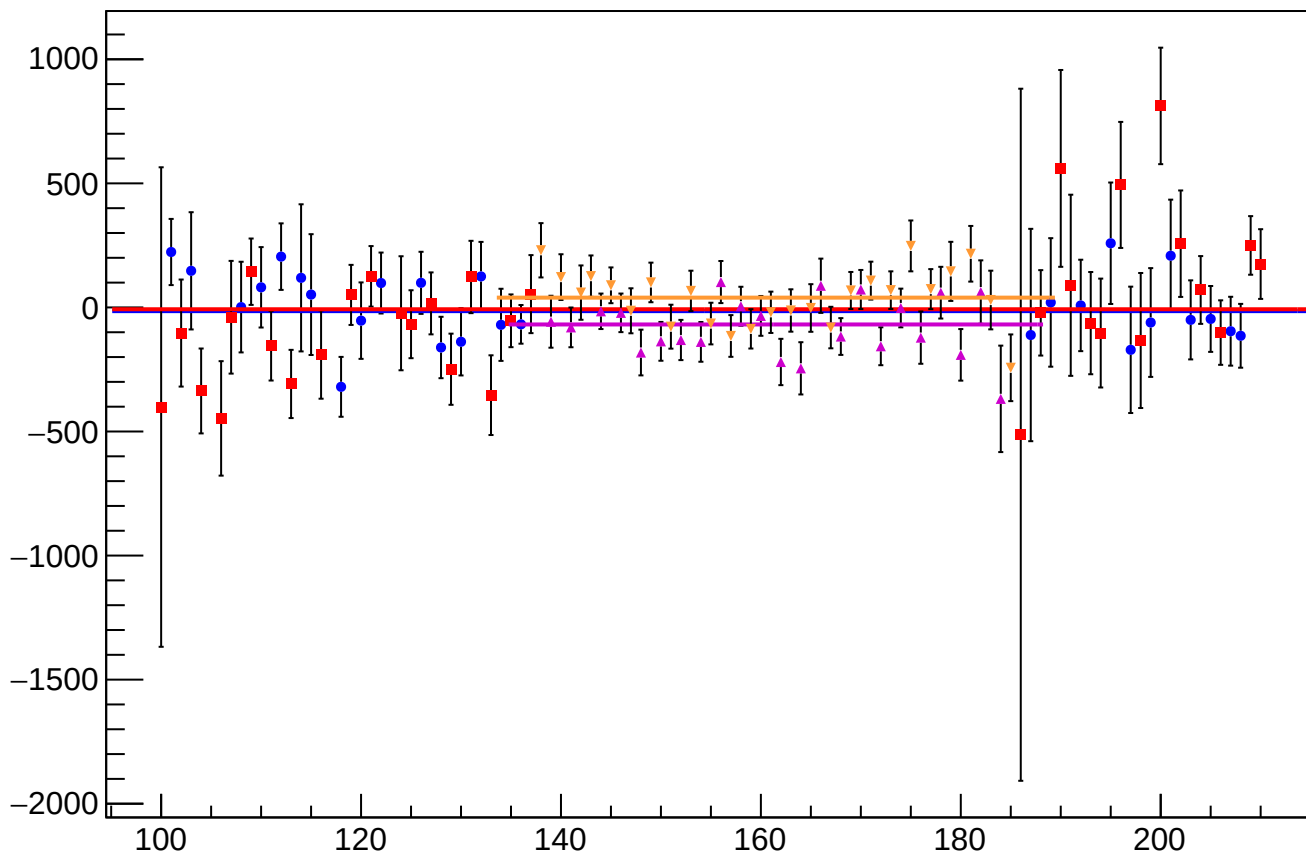
Left In: 0.000+/-0.000 χ^2/NDF : 1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 13523059.8/51

All: 0.000+/-0.000 χ^2/NDF : 29990658.9/107

- sign 0.000+/-0.000 χ^2/NDF : 16463947.0/55

reg_asym_sam_2468_avg_mean vs Slug



Right In: -14.945 ± 29.091 $\chi^2/\text{NDF}: 22.8/26$

Left Out: 39.477 ± 17.666 $\chi^2/\text{NDF}: 31.9/24$

Right Out: -7.345 ± 28.649 $\chi^2/\text{NDF}: 53.8/32$

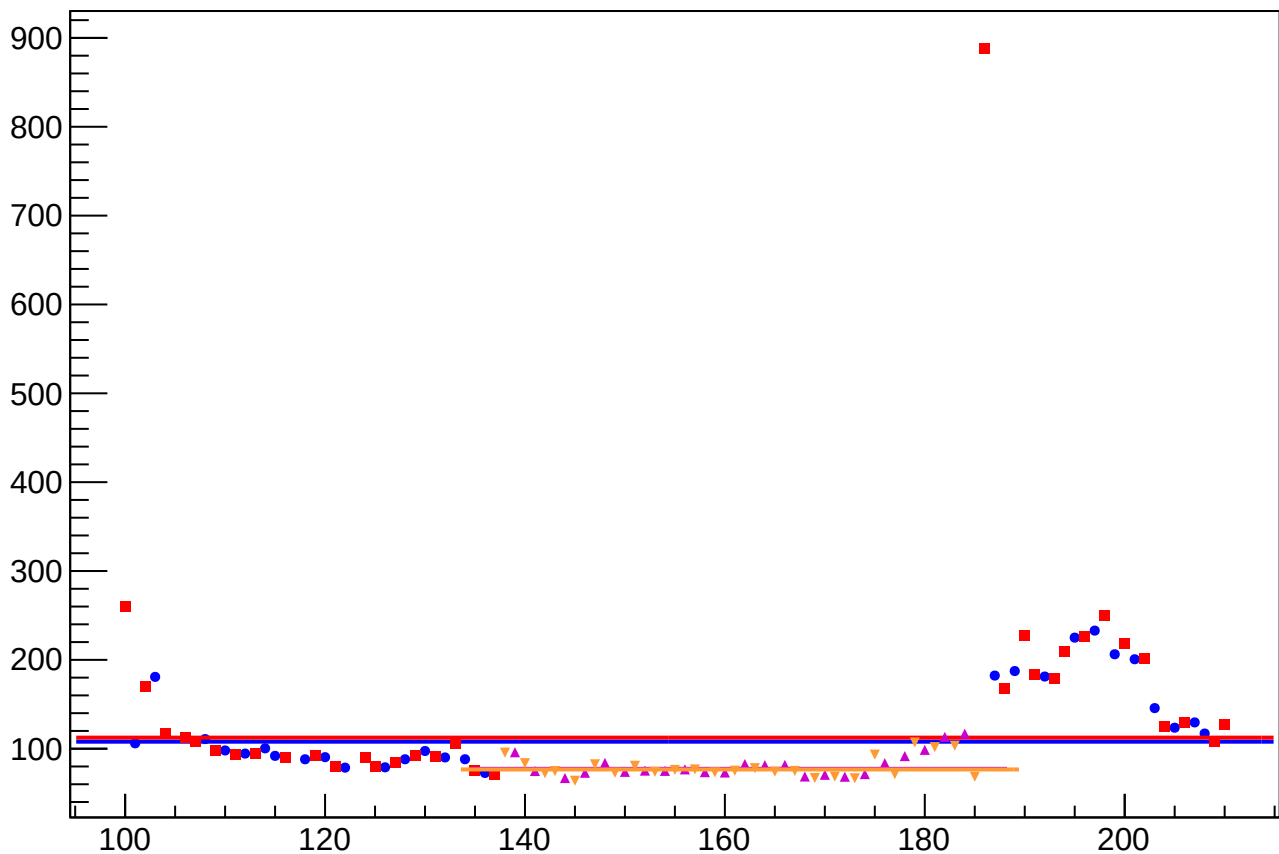
Left In: -68.620 ± 18.317 $\chi^2/\text{NDF}: 29.0/22$

+ sign 24.815 ± 15.100 $\chi^2/\text{NDF}: 57.3/51$

All: -12.189 ± 10.793 $\chi^2/\text{NDF}: 155.6/107$

- sign -50.840 ± 15.432 $\chi^2/\text{NDF}: 86.1/55$

reg_asym_sam_2468_avg_rms vs Slug



Right In: 107.902 $\pm$ 0.021 χ^2 /NDF: 3514009.6/26

Left Out: 76.646 $\pm$ 0.012 χ^2 /NDF: 654608.6/24

Right Out: 112.473 $\pm$ 0.020 χ^2 /NDF: 4633231.4/32

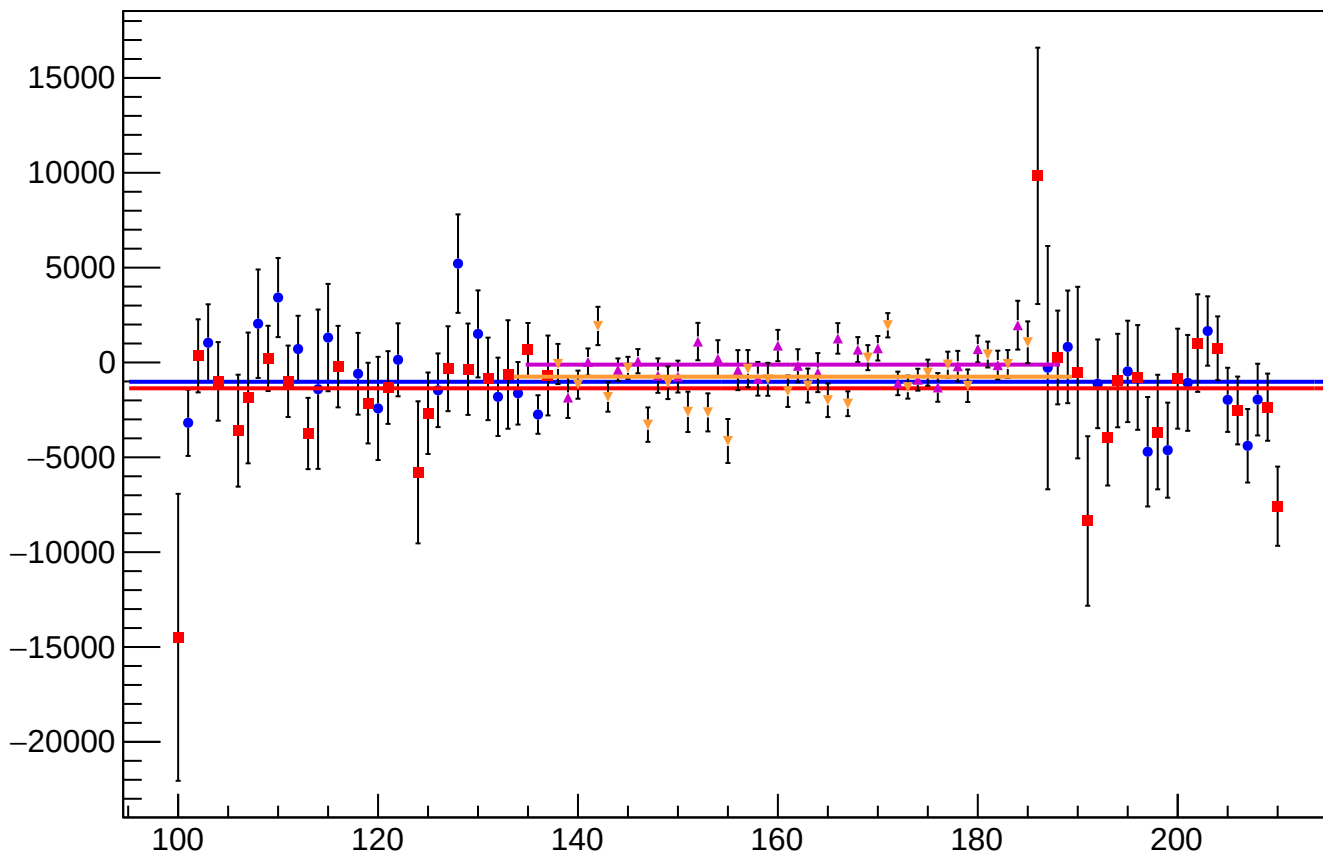
Left In: 77.348 $\pm$ 0.013 χ^2 /NDF: 590414.8/22

+ sign 85.067 $\pm$ 0.011 χ^2 /NDF: 5855278.2/51

All: 86.277 $\pm$ 0.008 χ^2 /NDF: 13239229.6/107

- sign 87.541 $\pm$ 0.011 χ^2 /NDF: 7357705.4/55

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -1017.152 ± 397.878 χ^2/NDF : 30.6/26

Left Out: -749.641 ± 158.081 χ^2/NDF : 70.0/24

Right Out: -1361.909 ± 394.893 χ^2/NDF : 31.2/32

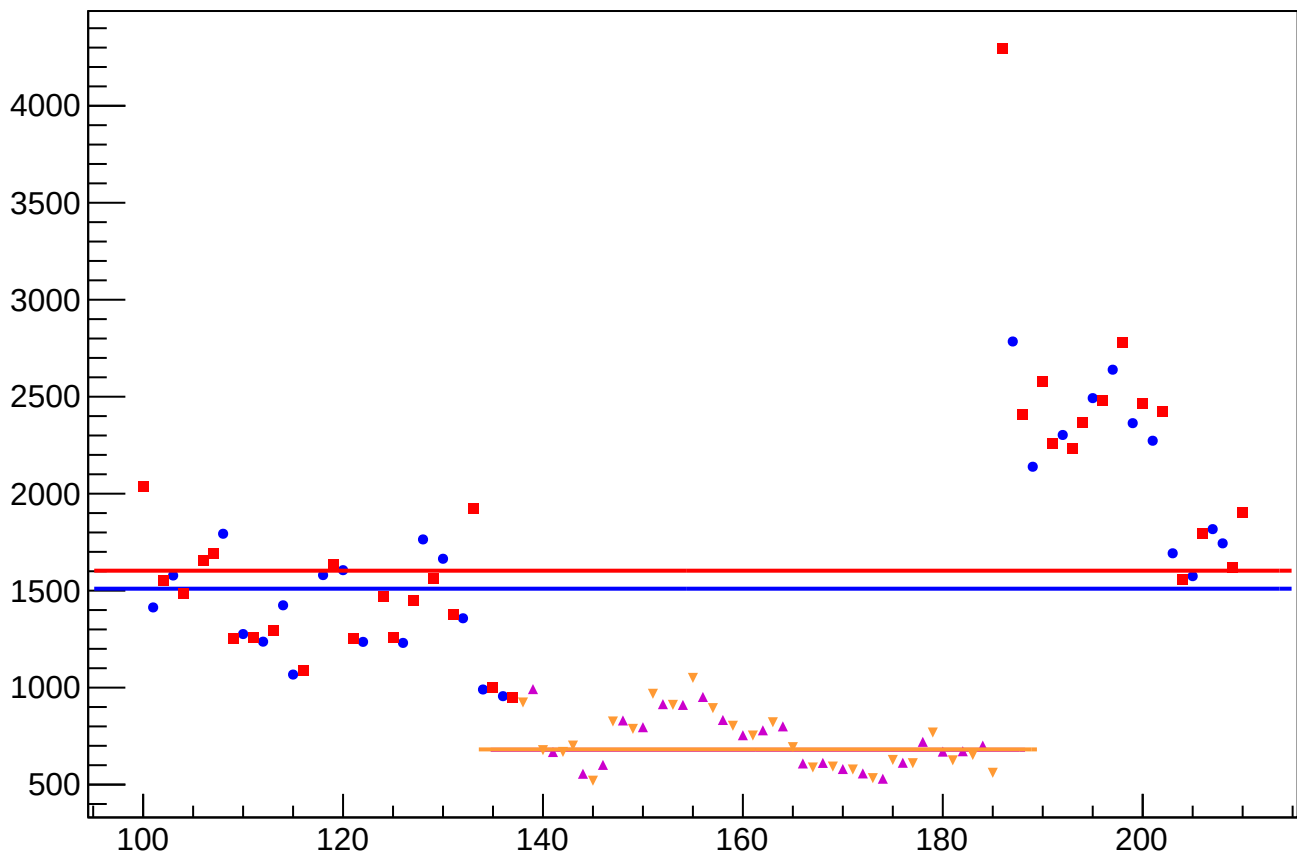
Left In: -113.799 ± 161.809 χ^2/NDF : 25.1/22

+ sign -786.112 ± 146.910 χ^2/NDF : 101.0/51

All: -544.350 ± 104.863 χ^2/NDF : 171.4/107

- sign -293.229 ± 149.727 χ^2/NDF : 64.8/55

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1510.058 $\pm$ 0.281 χ^2 /NDF: 2564458.0/26

Left Out: 681.427 $\pm$ 0.112 χ^2 /NDF: 1334213.4/24

Right Out: 1602.927 $\pm$ 0.279 χ^2 /NDF: 3042092.2/32

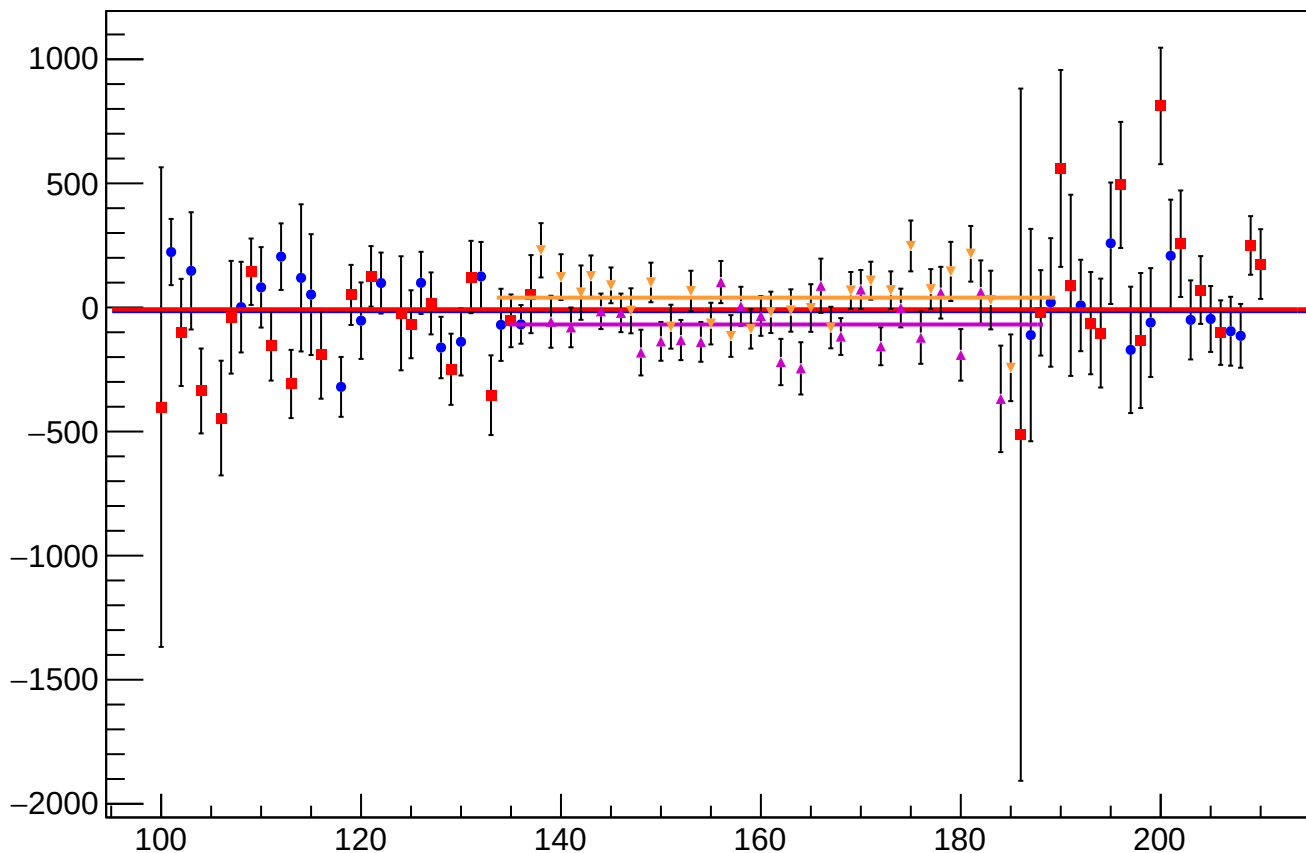
Left In: 679.413 $\pm$ 0.114 χ^2 /NDF: 1185267.0/22

+ sign 794.398 $\pm$ 0.104 χ^2 /NDF: 11390694.6/51

All: 803.120 $\pm$ 0.074 χ^2 /NDF: 24998413.2/10

- sign 812.179 $\pm$ 0.106 χ^2 /NDF: 13593347.0/55

cor_asym_sam_2468_avg_mean vs Slug



Right In: -14.956 ± 29.091 χ^2/NDF : 22.8/26

Left Out: 39.484 ± 17.666 χ^2/NDF : 31.9/24

Right Out: -7.247 ± 28.650 χ^2/NDF : 53.8/32

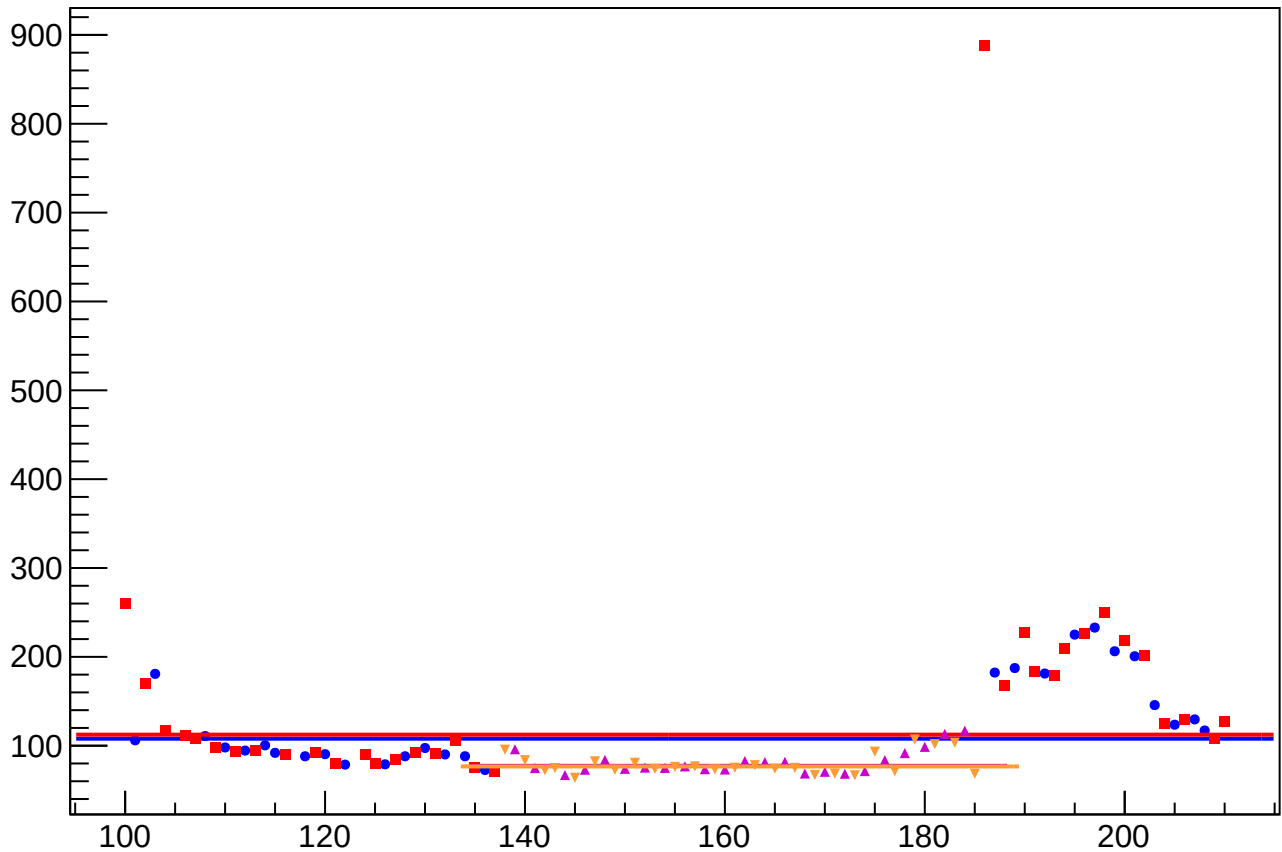
Left In: -68.620 ± 18.317 χ^2/NDF : 29.0/22

+ sign 24.817 ± 15.100 χ^2/NDF : 57.3/51

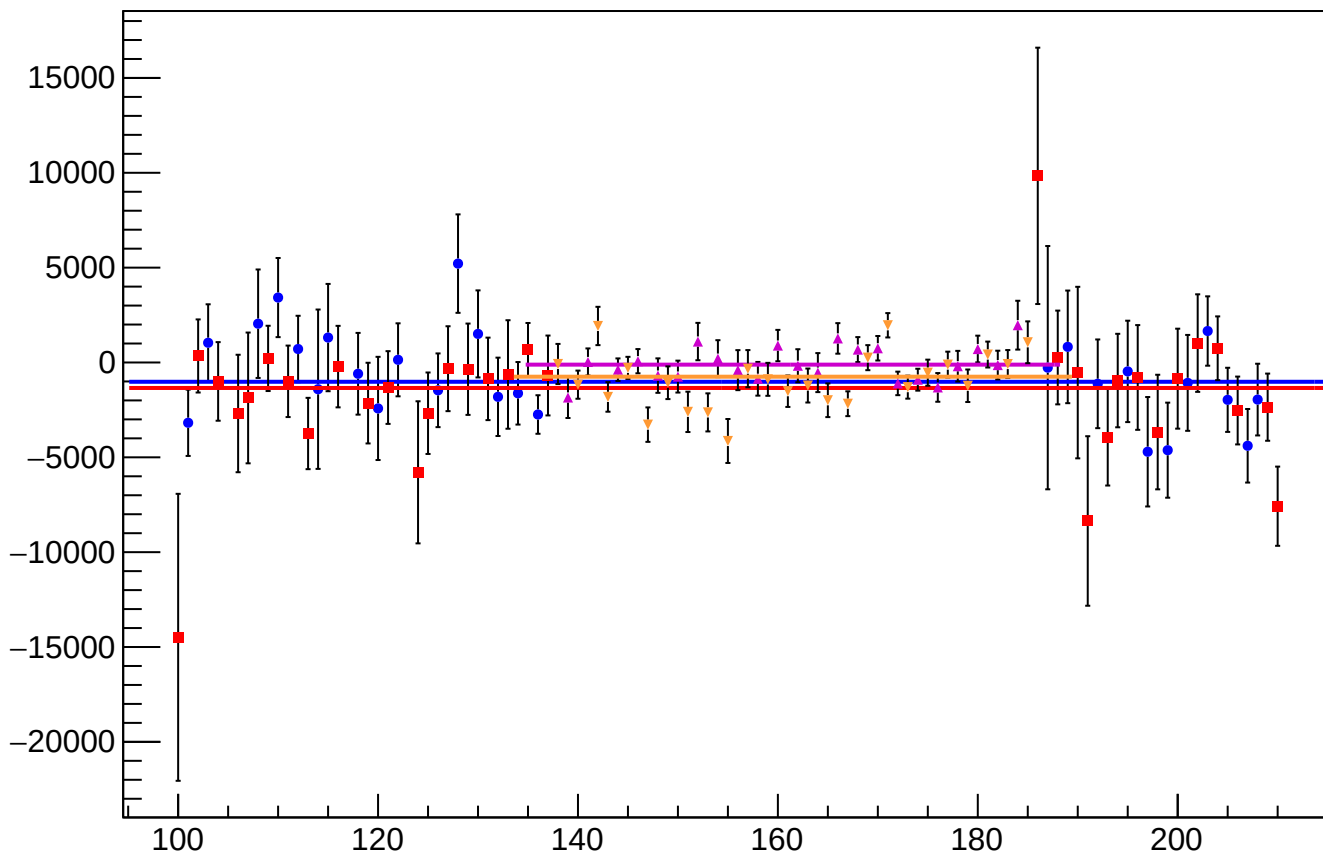
All: -12.174 ± 10.793 χ^2/NDF : 155.6/107

- sign -50.812 ± 15.433 χ^2/NDF : 86.0/55

cor_asym_sam_2468_avg_rms vs Slug



asym_sam_2468_avg_cor_correction_mean vs Slug



Right In: -1017.130 $\pm$ 397.879 χ^2 /NDF: 30.6/26

Left Out: -749.632 $\pm$ 158.081 χ^2 /NDF: 70.0/24

Right Out: -1343.862 $\pm$ 395.229 χ^2 /NDF: 30.8/32

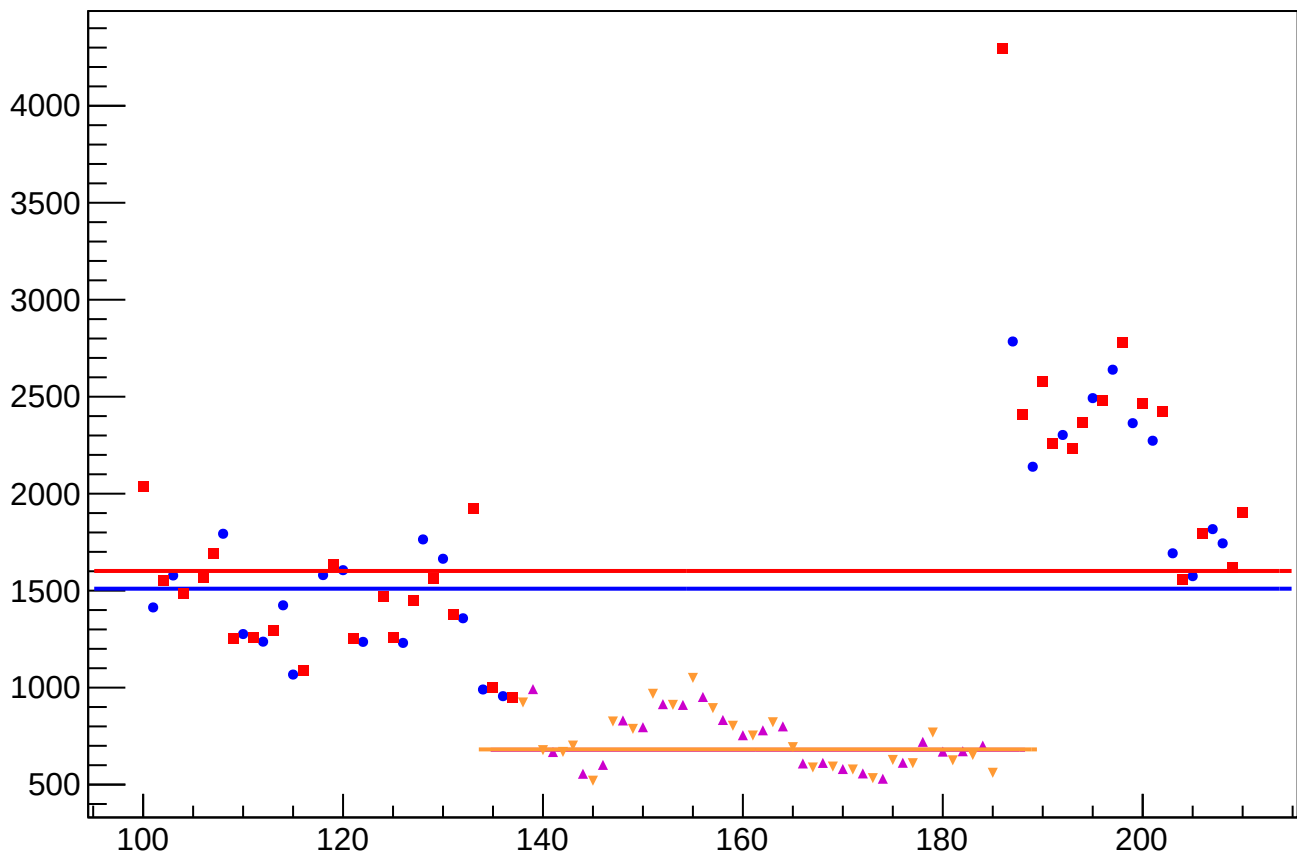
Left In: -113.799 $\pm$ 161.809 χ^2 /NDF: 25.1/22

+ sign -786.101 $\pm$ 146.910 χ^2 /NDF: 101.0/51

All: -542.976 $\pm$ 104.869 χ^2 /NDF: 170.8/107

- sign -290.378 $\pm$ 149.745 χ^2 /NDF: 64.2/55

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1510.062 ± 0.281 $\chi^2/\text{NDF}: 2564469.4/26$

Left Out: 681.426 ± 0.112 $\chi^2/\text{NDF}: 1334214.9/24$

Right Out: 1601.479 ± 0.279 $\chi^2/\text{NDF}: 3041626.7/32$

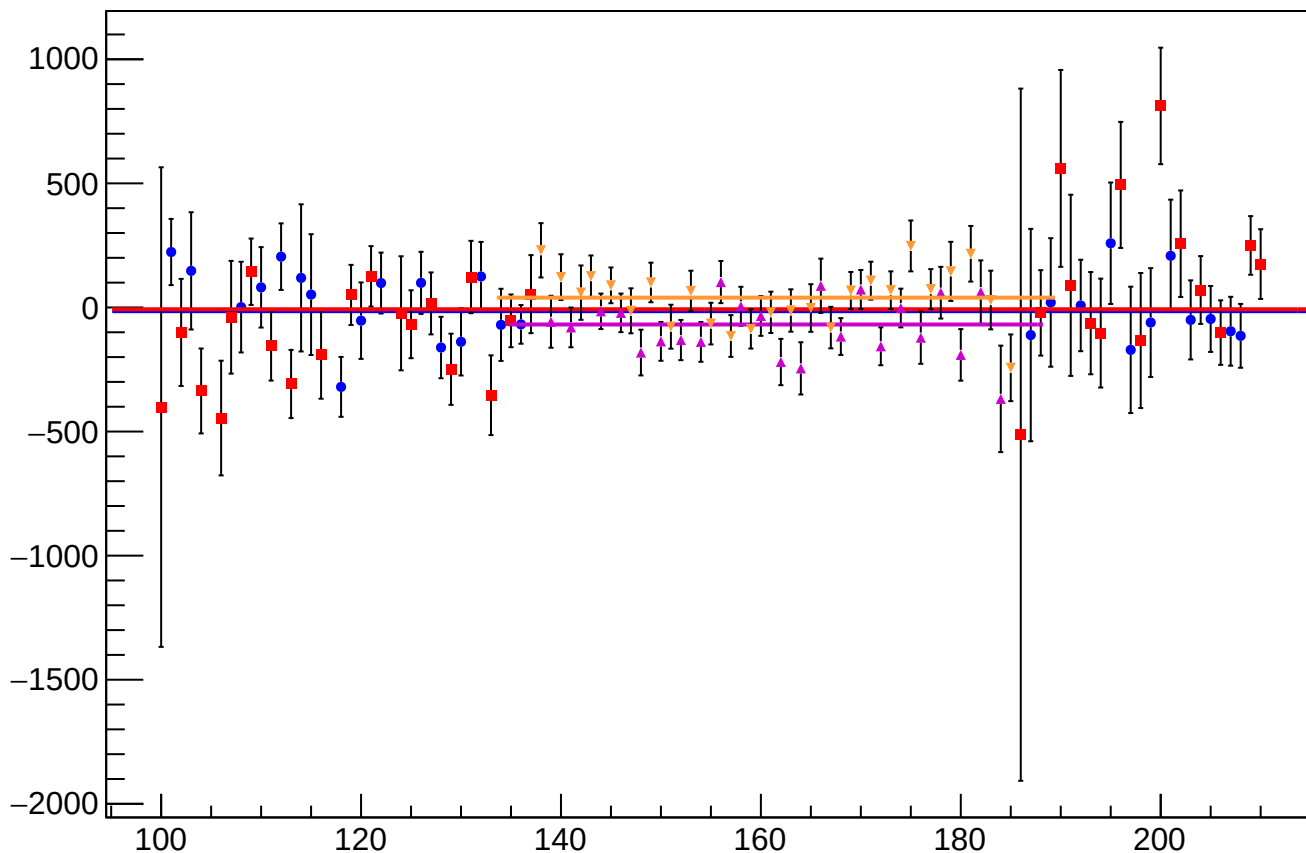
Left In: 679.414 ± 0.114 $\chi^2/\text{NDF}: 1185265.0/22$

+ sign 794.397 ± 0.104 $\chi^2/\text{NDF}: 11390740.4/51$

All: 802.922 ± 0.074 $\chi^2/\text{NDF}: 24954410.1/10$

- sign 811.778 ± 0.106 $\chi^2/\text{NDF}: 13549939.8/55$

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -14.956 ± 29.091 χ^2/NDF : 22.8/26

Left Out: 39.484 ± 17.666 χ^2/NDF : 31.9/24

Right Out: -7.247 ± 28.650 χ^2/NDF : 53.8/32

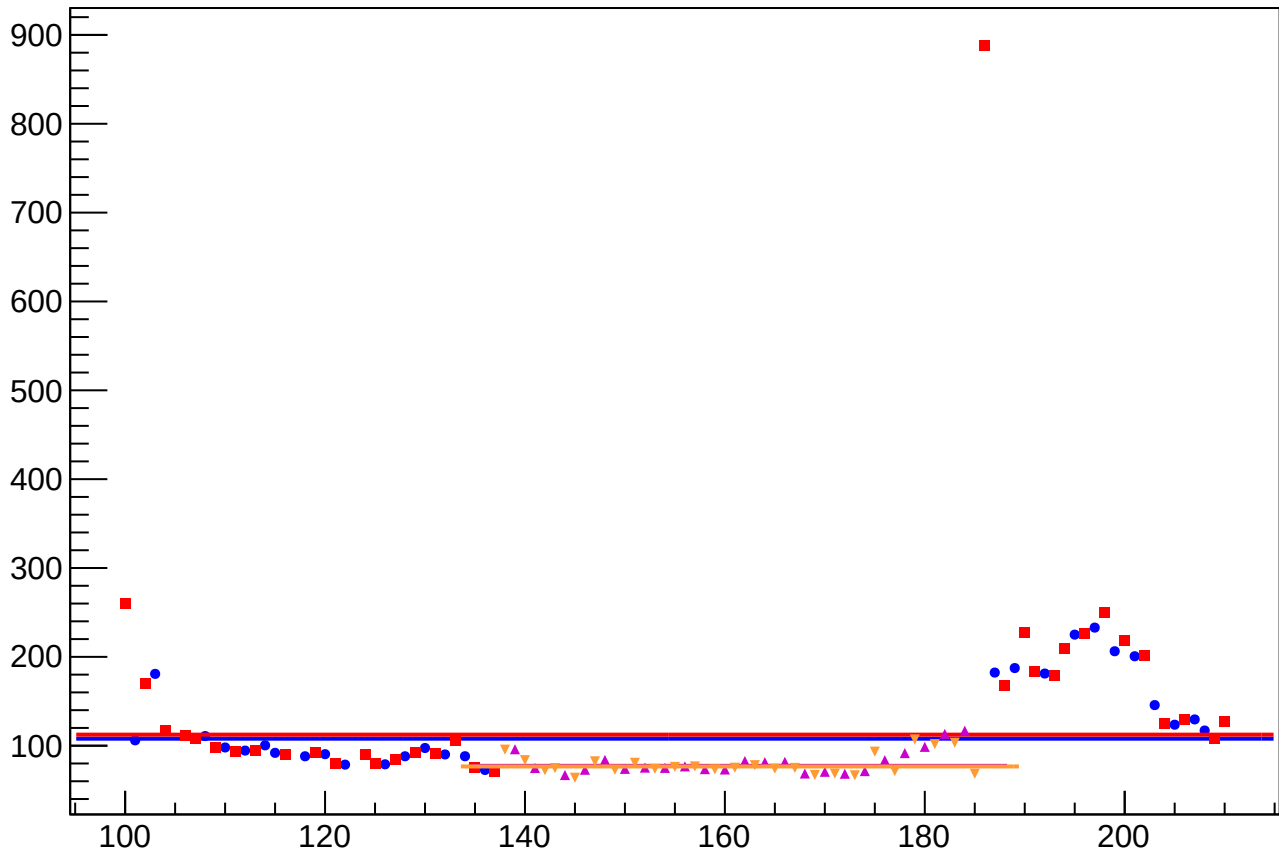
Left In: -68.620 ± 18.317 χ^2/NDF : 29.0/22

+ sign 24.817 ± 15.100 χ^2/NDF : 57.3/51

All: -12.174 ± 10.793 χ^2/NDF : 155.6/107

- sign -50.812 ± 15.433 χ^2/NDF : 86.0/55

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 107.902 $\pm$ 0.021 χ^2 /NDF: 3514013.2/26

Left Out: 76.646 $\pm$ 0.012 χ^2 /NDF: 654608.7/24

Right Out: 112.454 $\pm$ 0.020 χ^2 /NDF: 4633514.3/32

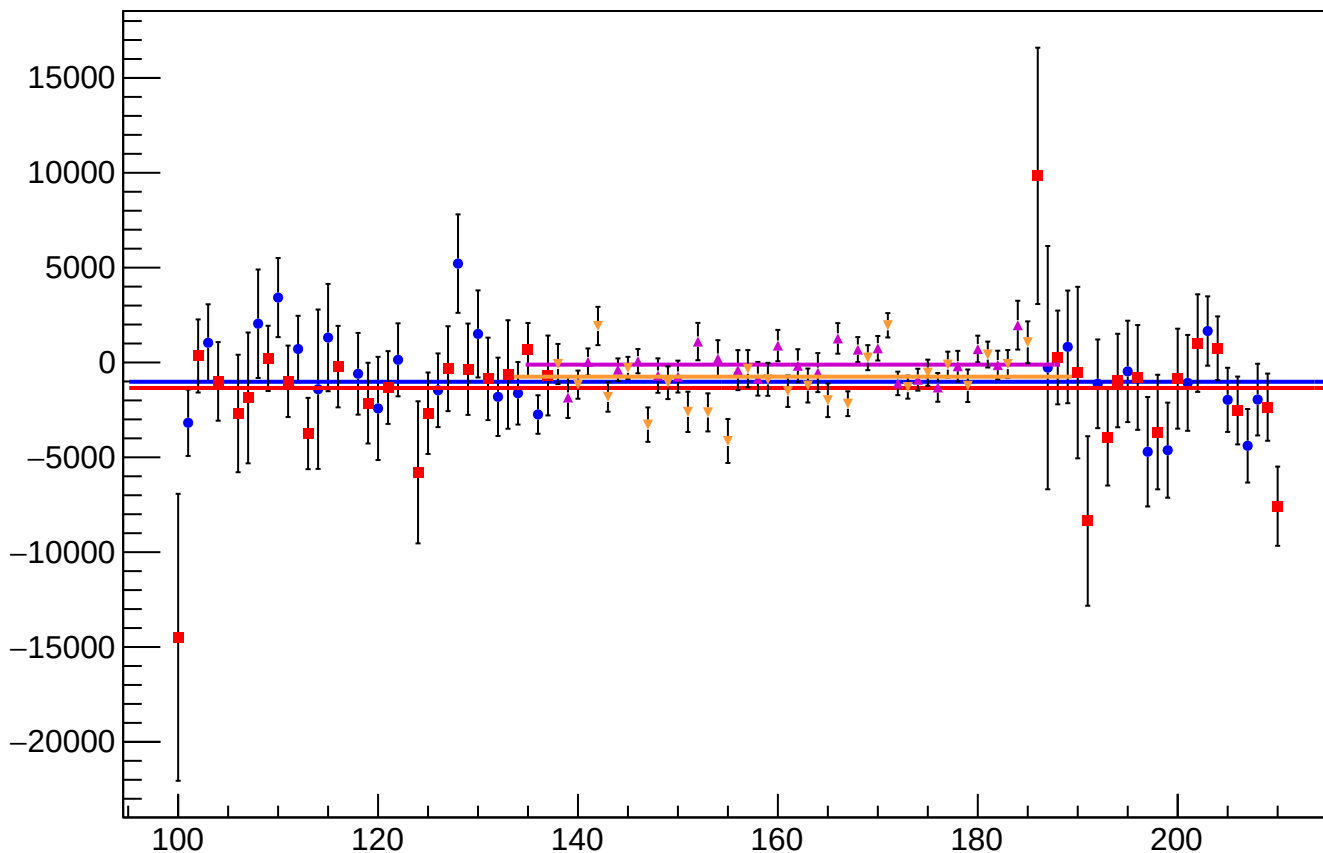
Left In: 77.348 $\pm$ 0.013 χ^2 /NDF: 590414.8/22

+ sign 85.067 $\pm$ 0.011 χ^2 /NDF: 5855281.8/51

All: 86.274 $\pm$ 0.008 χ^2 /NDF: 13236847.8/107

- sign 87.534 $\pm$ 0.011 χ^2 /NDF: 7355454.3/55

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug



Right In: -1017.130 ± 397.879 χ^2/NDF : 30.6/26

Left Out: -749.632 ± 158.081 χ^2/NDF : 70.0/24

Right Out: -1343.862 ± 395.229 χ^2/NDF : 30.8/32

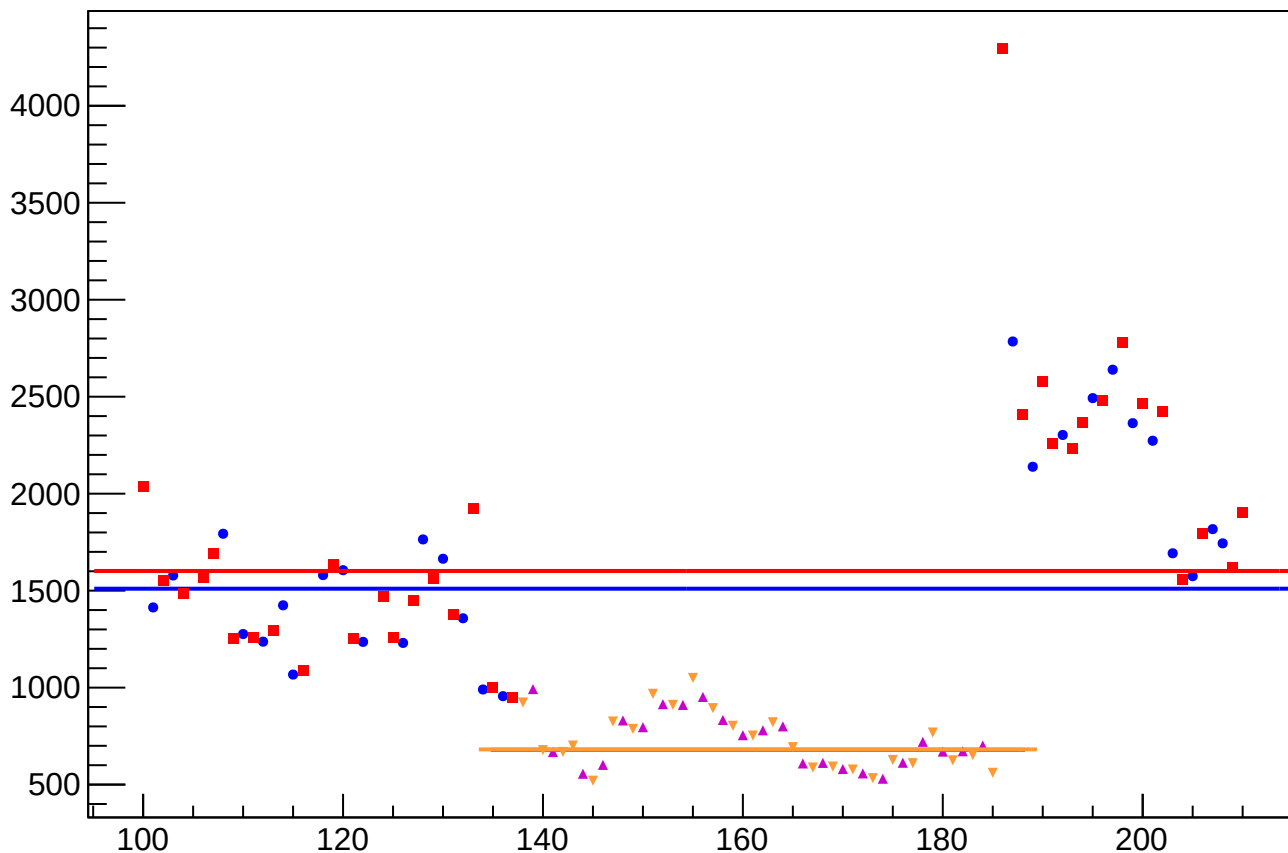
Left In: -113.799 ± 161.809 χ^2/NDF : 25.1/22

+ sign -786.101 ± 146.910 χ^2/NDF : 101.0/51

All: -542.976 ± 104.869 χ^2/NDF : 170.8/107

- sign -290.378 ± 149.745 χ^2/NDF : 64.2/55

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug



Right In: 1510.062 $\pm$ 0.281 χ^2 /NDF: 2564469.4/26

Left Out: 681.426 $\pm$ 0.112 χ^2 /NDF:1334214.9/24

+ sign 794.397 $\pm$ 0.104 χ^2 /NDF: 11390740.4/51

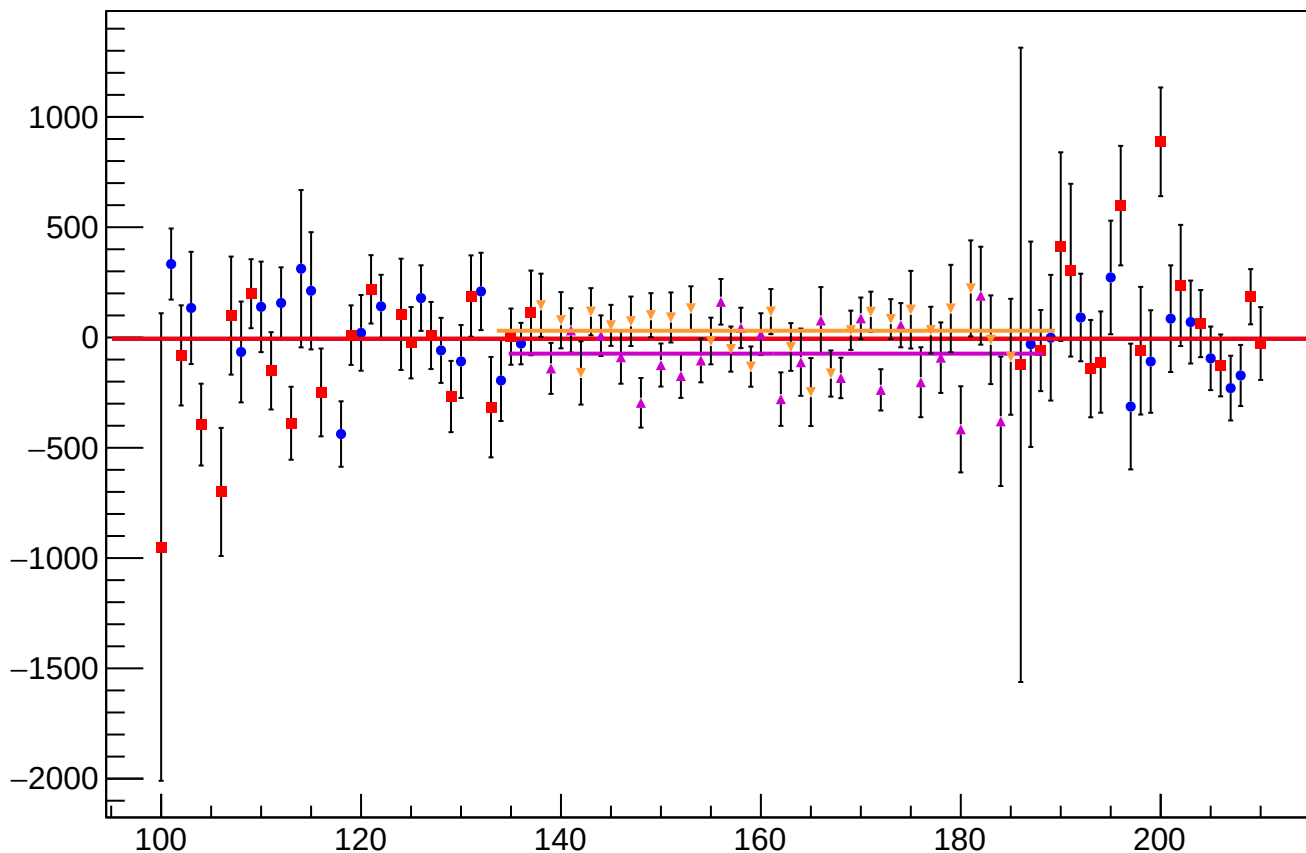
Right Out: 1601.479 $\pm$ 0.279 χ^2 /NDF: 3041626.7/32

All: 802.922 $\pm$ 0.074 χ^2 /NDF: 24954410.1/10

Left In: 679.414 $\pm$ 0.114 χ^2 /NDF:1185265.0/22

- sign 811.778 $\pm$ 0.106 χ^2 /NDF: 13549939.8/55

dit_asym_sam_2468_avg_mean vs Slug



Right In: -5.641 ± 33.925 χ^2/NDF : 29.2/26

Left Out: 30.684 ± 22.856 χ^2/NDF : 19.9/24

Right Out: -5.667 ± 33.127 χ^2/NDF : 53.2/32

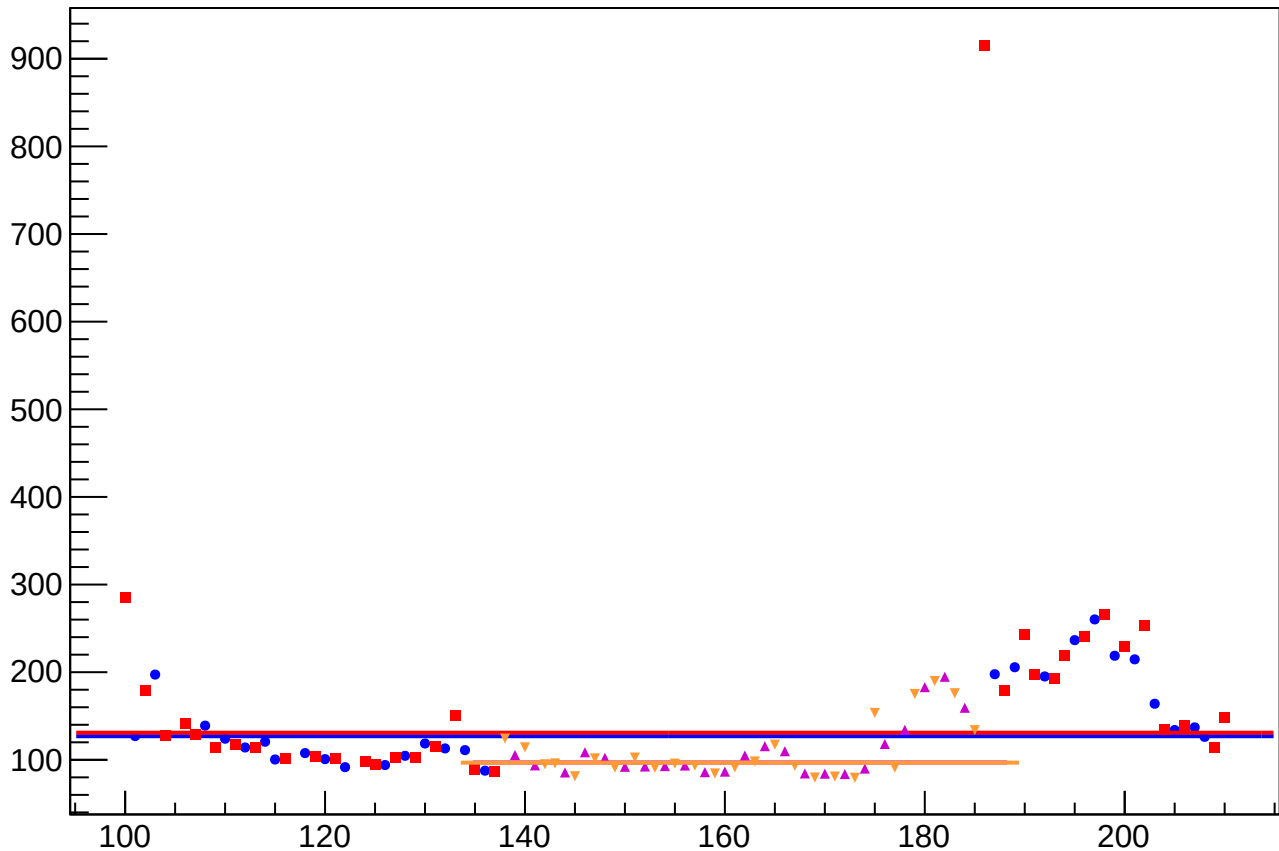
Left In: -73.147 ± 23.510 χ^2/NDF : 34.5/22

+ sign 19.344 ± 18.955 χ^2/NDF : 49.9/51

All: -15.202 ± 13.480 χ^2/NDF : 147.0/107

- sign -50.543 ± 19.173 χ^2/NDF : 90.4/55

dit_asym_sam_2468_avg_rms vs Slug



Right In: 126.950 $\pm$ 0.024 χ^2 /NDF: 2821920.4/26

Left Out: 96.794 $\pm$ 0.016 χ^2 /NDF:1720415.9/24

Right Out: 130.992 $\pm$ 0.023 χ^2 /NDF: 3934189.0/32

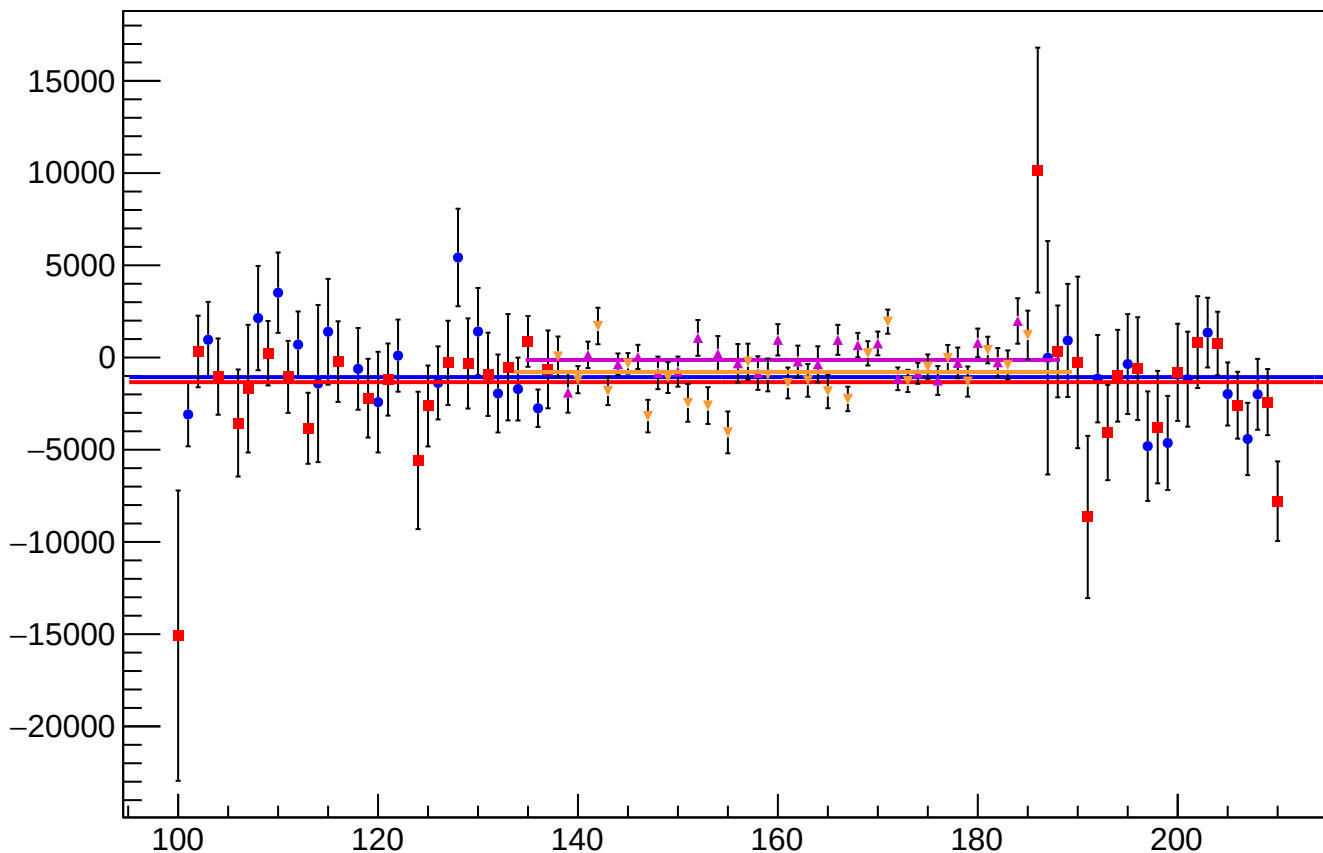
Left In: 97.017 $\pm$ 0.017 χ^2 /NDF:1321187.5/22

+ sign 106.209 $\pm$ 0.013 χ^2 /NDF: 5629235.9/51

All: 107.291 $\pm$ 0.010 χ^2 /NDF: 12296900.2/10

- sign 108.397 $\pm$ 0.014 χ^2 /NDF: 6654483.6/55

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -1062.016 $\pm$ 404.015 χ^2 /NDF: 29.8/26

Left Out: -783.756 $\pm$ 158.329 χ^2 /NDF: 66.3/24

Right Out: -1334.934 $\pm$ 399.033 χ^2 /NDF: 32.4/32

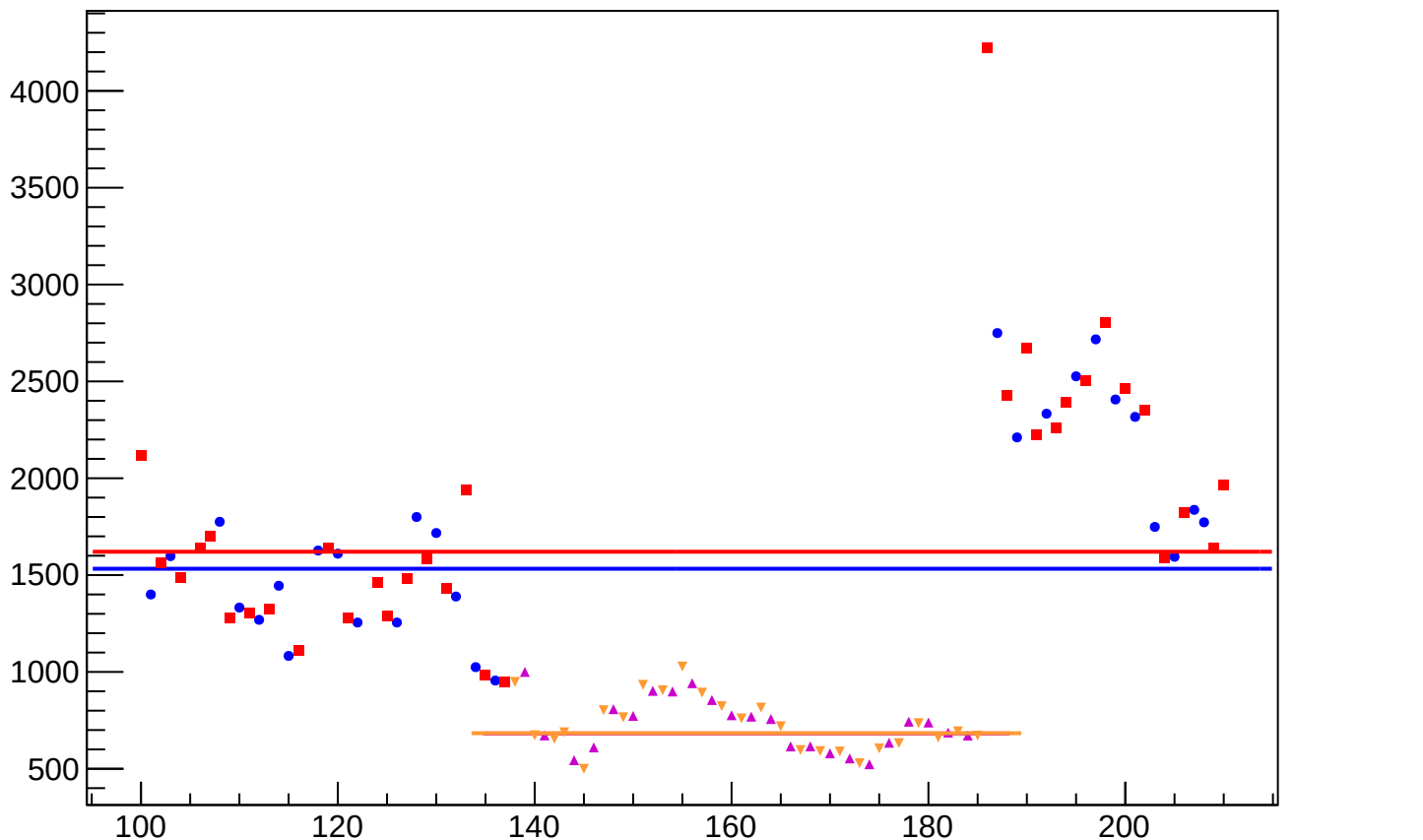
Left In: -131.380 $\pm$ 162.409 χ^2 /NDF: 24.3/22

+ sign -820.801 $\pm$ 147.413 χ^2 /NDF: 96.5/51

All: -566.856 $\pm$ 105.286 χ^2 /NDF: 167.0/107

- sign -302.422 $\pm$ 150.427 χ^2 /NDF: 64.4/55

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1532.773+/-0.286 χ^2/NDF : 2605660.5/26

Left Out: 683.698+/-0.112 χ^2/NDF : 1297969.4/24

Right Out: 1620.629+/-0.282 χ^2/NDF : 3024117.8/32

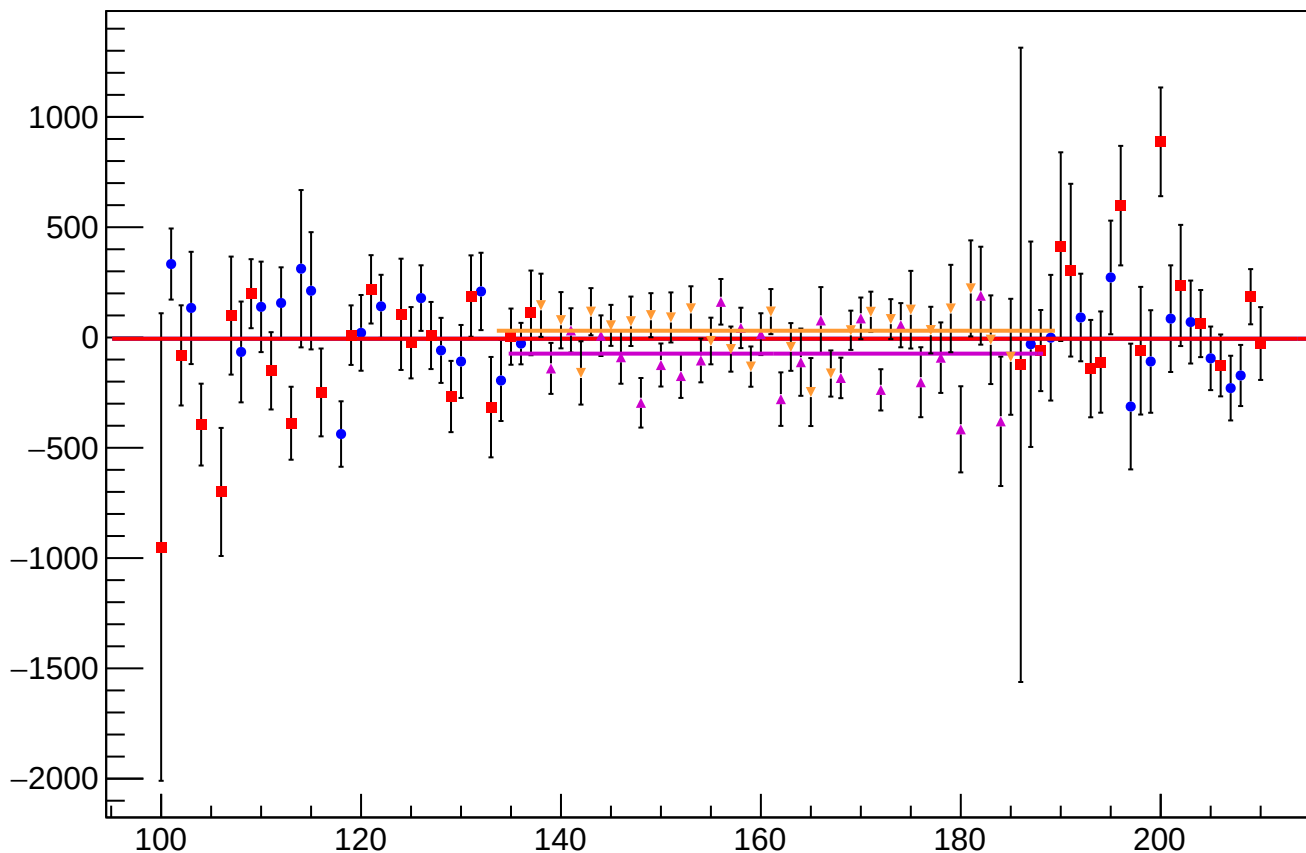
Left In: 681.961+/-0.115 χ^2/NDF : 1186135.0/22

+ sign 796.736+/-0.104 χ^2/NDF : 11561016.4/51

All: 805.859+/-0.074 χ^2/NDF : 25281282.6/10

- sign 815.359+/-0.106 χ^2/NDF : 13704629.1/55

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: -5.639 ± 33.925 χ^2/NDF : 29.2/26

Left Out: 30.684 ± 22.856 χ^2/NDF : 19.9/24

Right Out: -5.666 ± 33.127 χ^2/NDF : 53.2/32

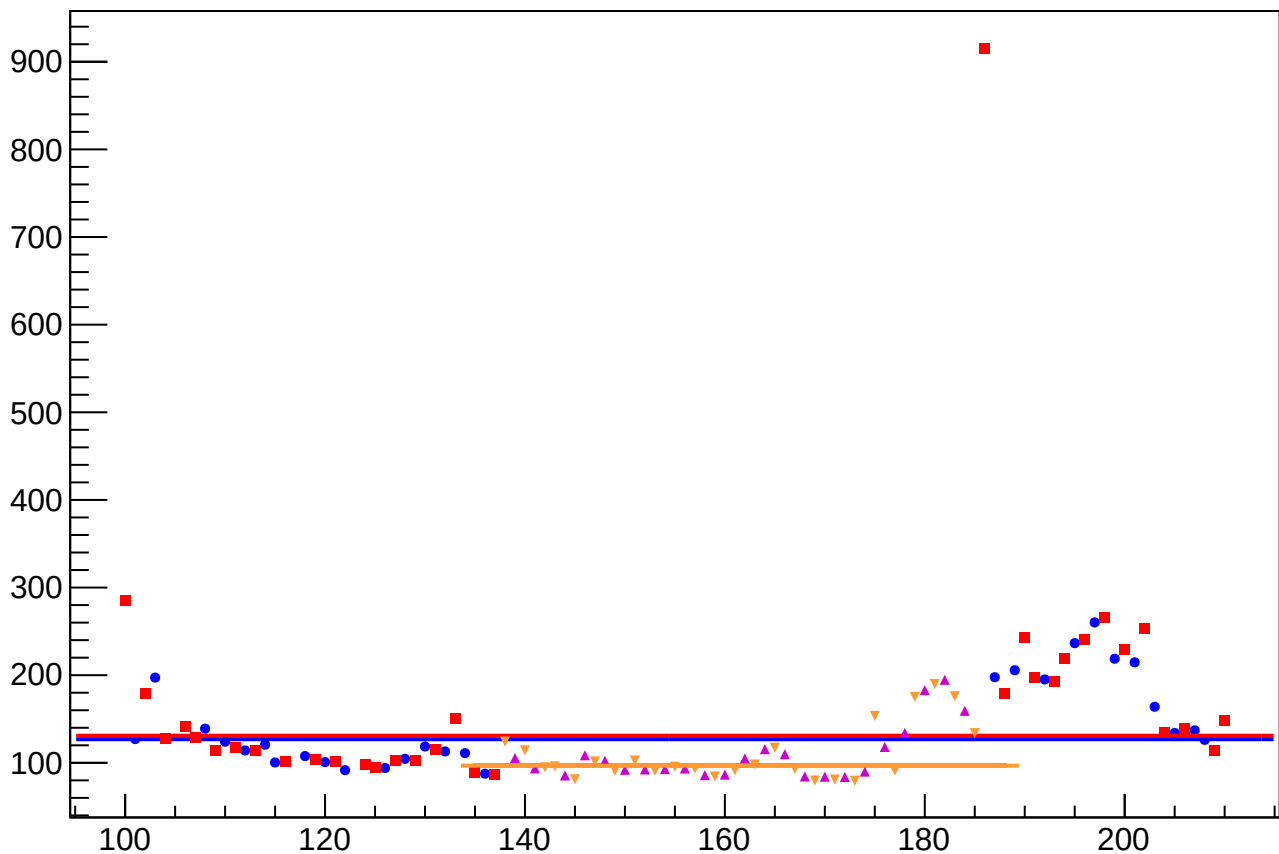
Left In: -73.146 ± 23.510 χ^2/NDF : 34.5/22

+ sign 19.344 ± 18.955 χ^2/NDF : 49.9/51

All: -15.201 ± 13.480 χ^2/NDF : 147.0/107

- sign -50.542 ± 19.173 χ^2/NDF : 90.4/55

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 126.949 $\pm$ 0.024 χ^2 /NDF: 2821939.0/26

Left Out: 96.795 $\pm$ 0.016 χ^2 /NDF:1720415.9/24

Right Out: 130.992 $\pm$ 0.023 χ^2 /NDF: 3934221.6/32

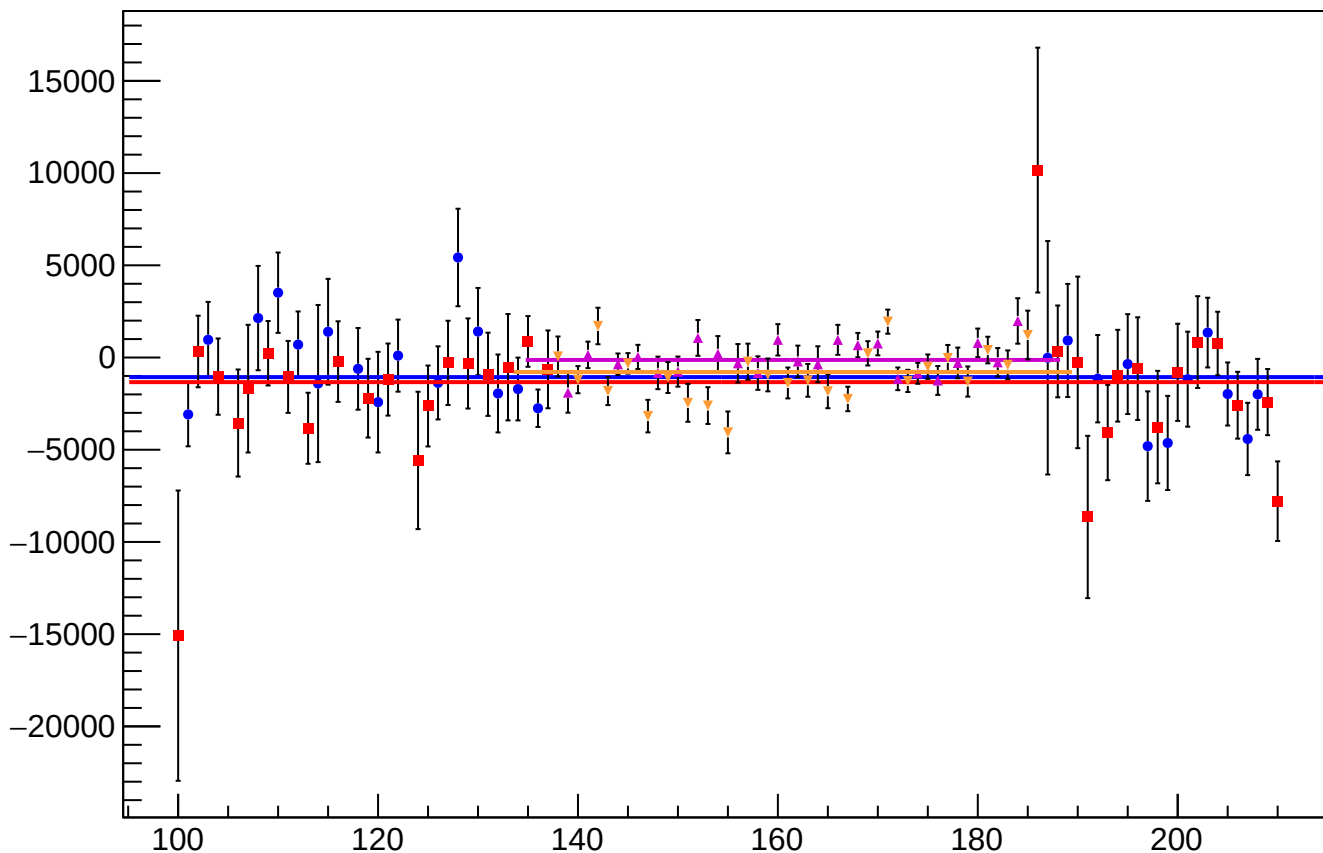
Left In: 97.017 $\pm$ 0.017 χ^2 /NDF:1321171.2/22

+ sign 106.209 $\pm$ 0.013 χ^2 /NDF: 5629189.8/51

All: 107.291 $\pm$ 0.010 χ^2 /NDF: 12296806.8/10

- sign 108.398 $\pm$ 0.014 χ^2 /NDF: 6654436.0/55

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug



Right In: -1062.010 ± 404.014 χ^2/NDF : 29.8/26

Left Out: -783.754 ± 158.328 χ^2/NDF : 66.3/24

Right Out: -1334.932 ± 399.032 χ^2/NDF : 32.4/32

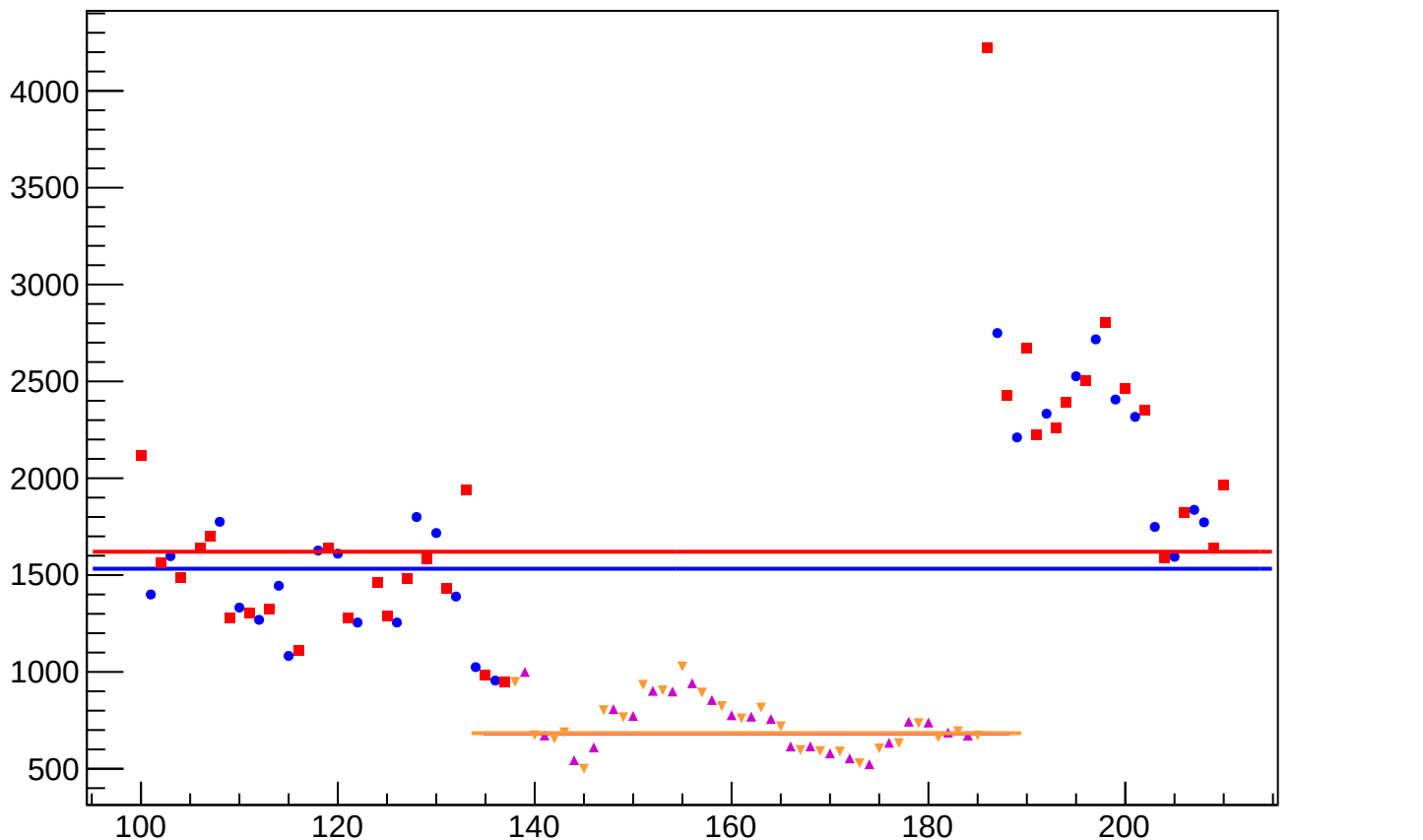
Left In: -131.379 ± 162.409 χ^2/NDF : 24.3/22

+ sign -820.798 ± 147.413 χ^2/NDF : 96.5/51

All: -566.854 ± 105.286 χ^2/NDF : 167.0/107

- sign -302.420 ± 150.427 χ^2/NDF : 64.4/55

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1532.770+/-0.286 χ^2/NDF : 2605668.3/26

Left Out: 683.696+/-0.112 χ^2/NDF : 1297975.5/24

Right Out: 1620.626+/-0.282 χ^2/NDF : 3024129.2/32

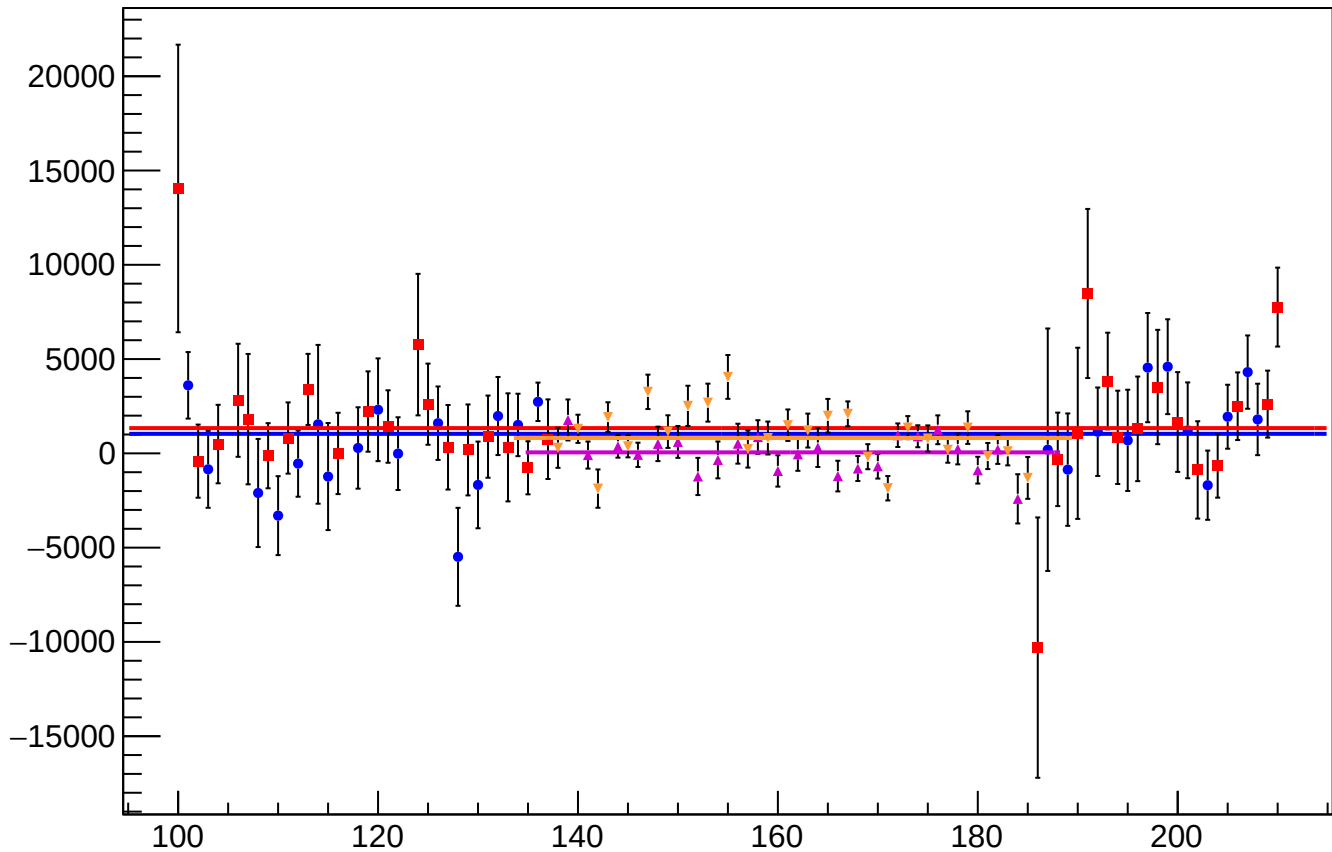
Left In: 681.960+/-0.115 χ^2/NDF : 1186136.6/22

+ sign 796.734+/-0.104 χ^2/NDF : 11561034.4/51

All: 805.857+/-0.074 χ^2/NDF : 25281318.2/10

- sign 815.357+/-0.106 χ^2/NDF : 13704646.7/55

asym_sam_2468_avg_mean vs Slug



Right In: 1035.510 $\pm$ 399.305 χ^2 /NDF: 30.8/26

Left Out: 814.067 $\pm$ 159.256 χ^2 /NDF: 65.8/24

Right Out: 1339.154 $\pm$ 396.250 χ^2 /NDF: 31.1/32

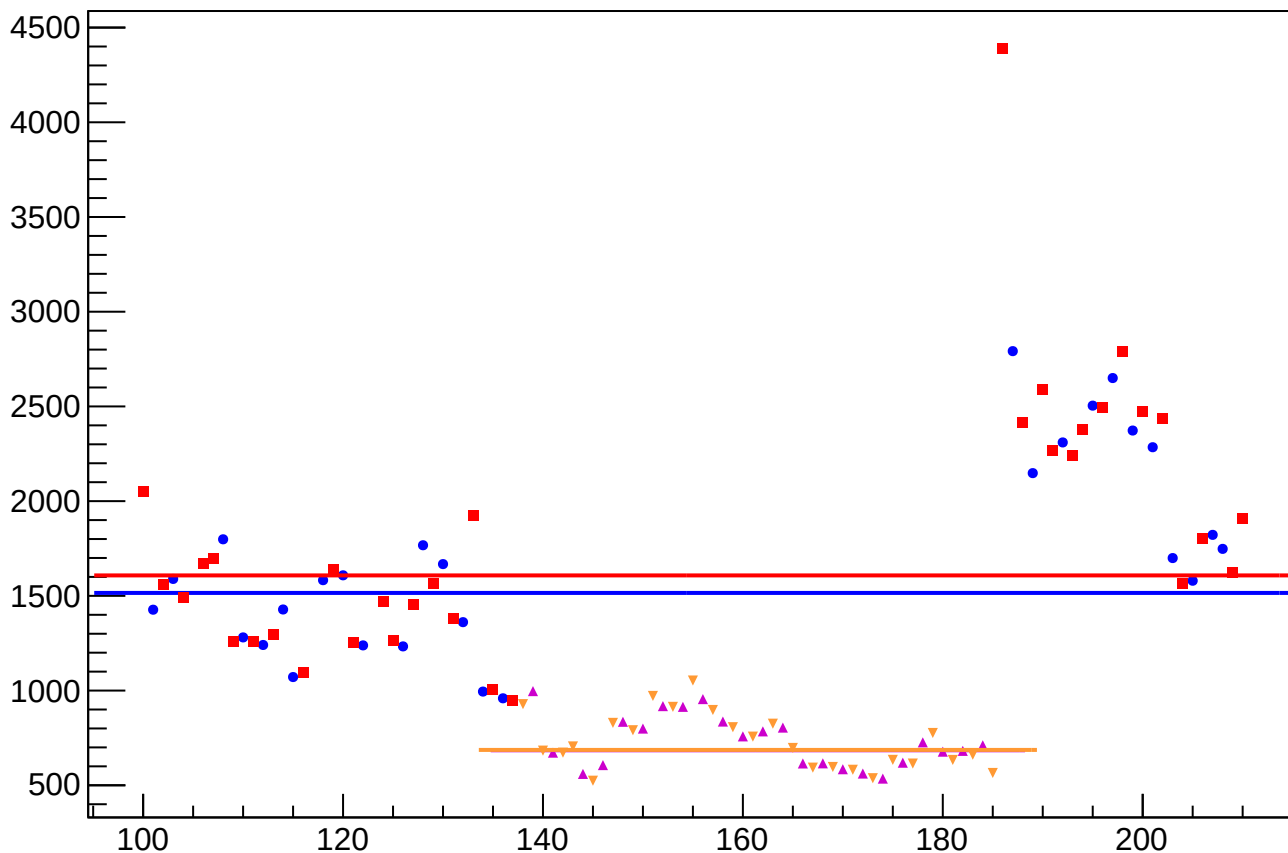
Left In: 52.290 $\pm$ 163.036 χ^2 /NDF: 25.4/22

+ sign 844.457 $\pm$ 147.925 χ^2 /NDF: 96.8/51

All: 547.304 $\pm$ 105.591 χ^2 /NDF: 170.5/107

- sign 238.601 $\pm$ 150.772 χ^2 /NDF: 65.5/55

asym_sam_2468_avg_rms vs Slug



Right In: 1515.476 $\pm$ 0.282 χ^2 /NDF: 2565547.5/26

Left Out: 686.700 $\pm$ 0.113 χ^2 /NDF:1312231.8/24

Right Out: 1607.937 $\pm$ 0.280 χ^2 /NDF: 3054095.2/32

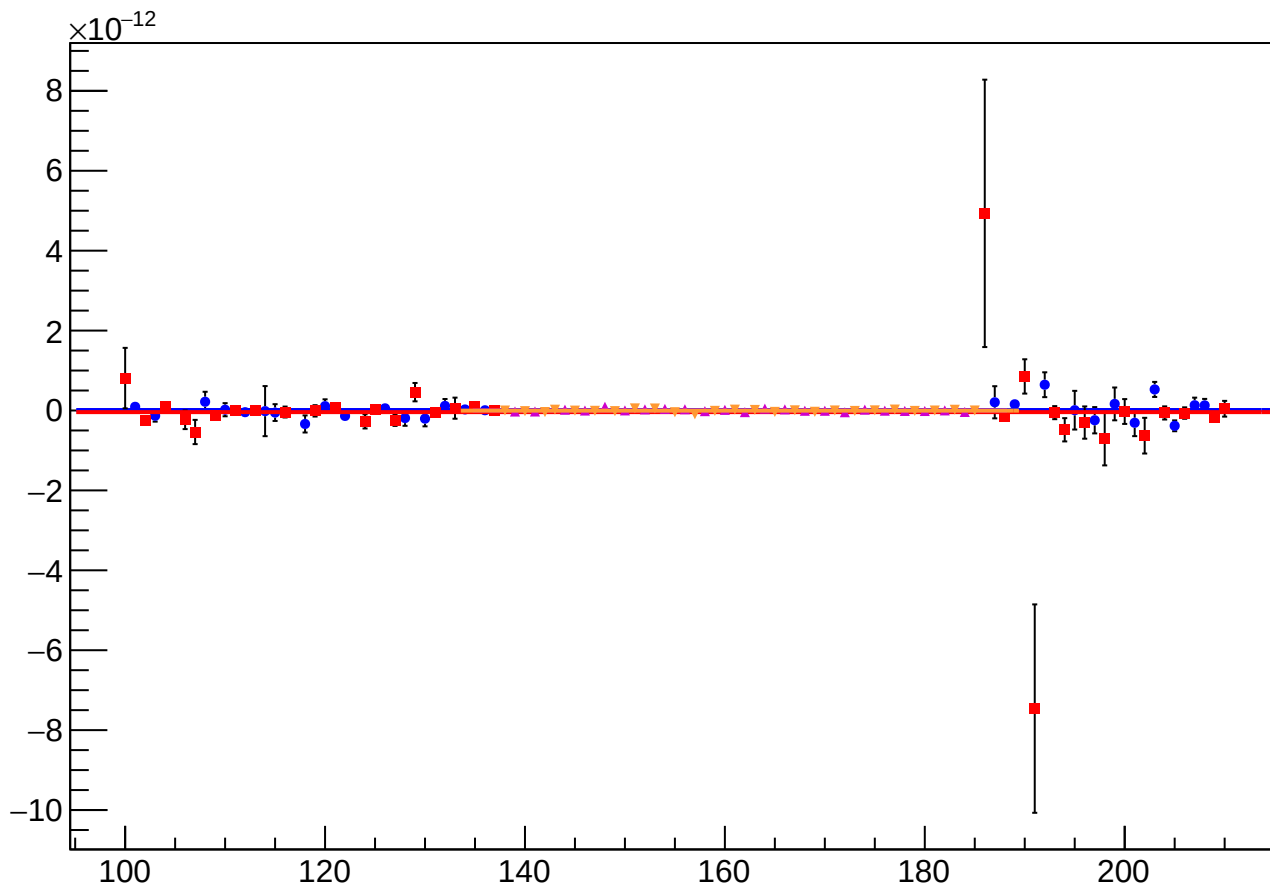
Left In: 684.763 $\pm$ 0.115 χ^2 /NDF:1165205.5/22

+ sign 800.439 $\pm$ 0.105 χ^2 /NDF: 11311155.5/51

All: 809.258 $\pm$ 0.075 χ^2 /NDF: 24828980.0/10

- sign 818.420 $\pm$ 0.107 χ^2 /NDF: 13503331.6/55

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 35.9/26

Left Out: -0.000+/-0.000 χ^2 /NDF:16.5/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 48.1/32

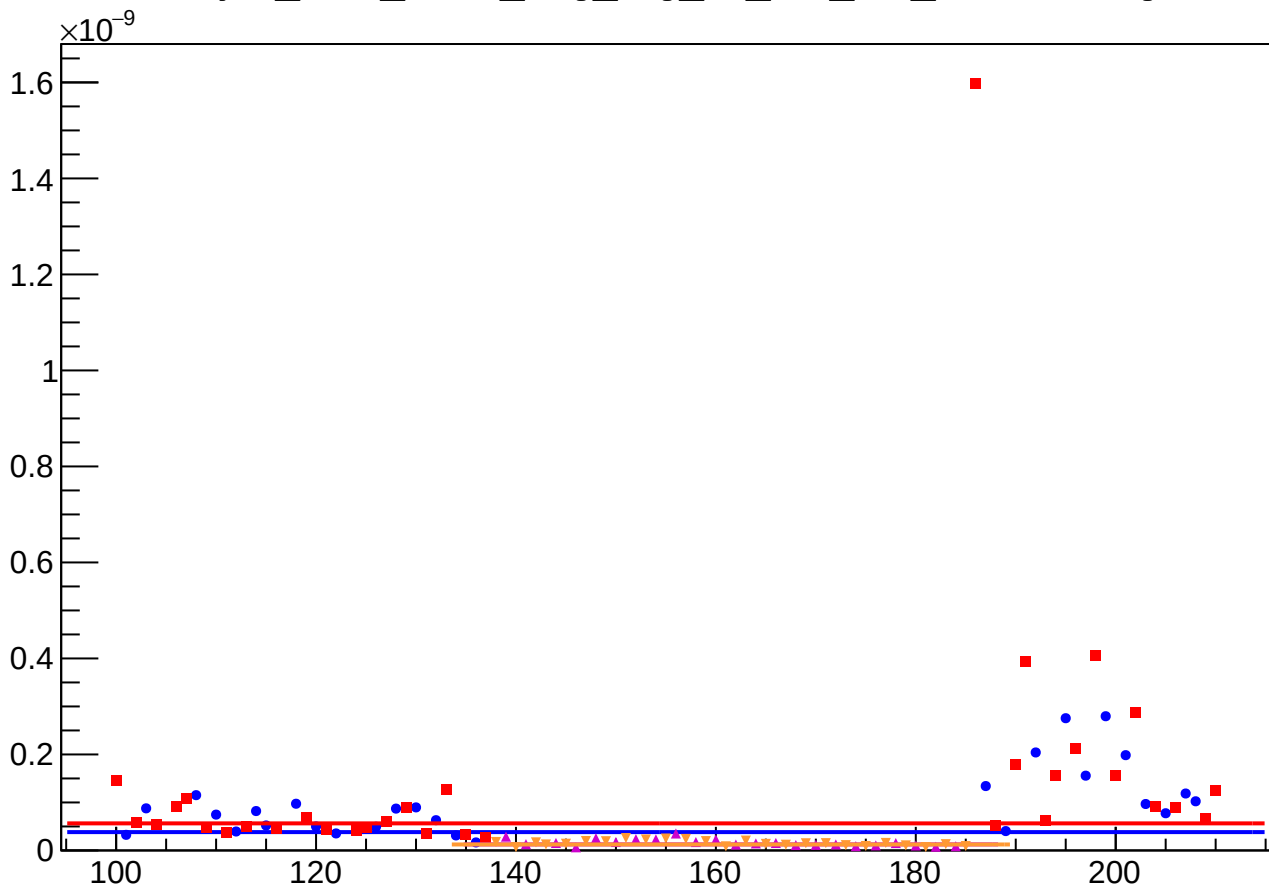
Left In: 0.000+/-0.000 χ^2 /NDF:20.5/22

+ sign -0.000+/-0.000 χ^2 /NDF: 52.9/51

All: -0.000+/-0.000 χ^2 /NDF: 124.1/107

- sign -0.000+/-0.000 χ^2 /NDF: 71.2/55

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5750021.2/26

Left Out: 0.000+/-0.000 χ^2/NDF : 1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3824727.6/32

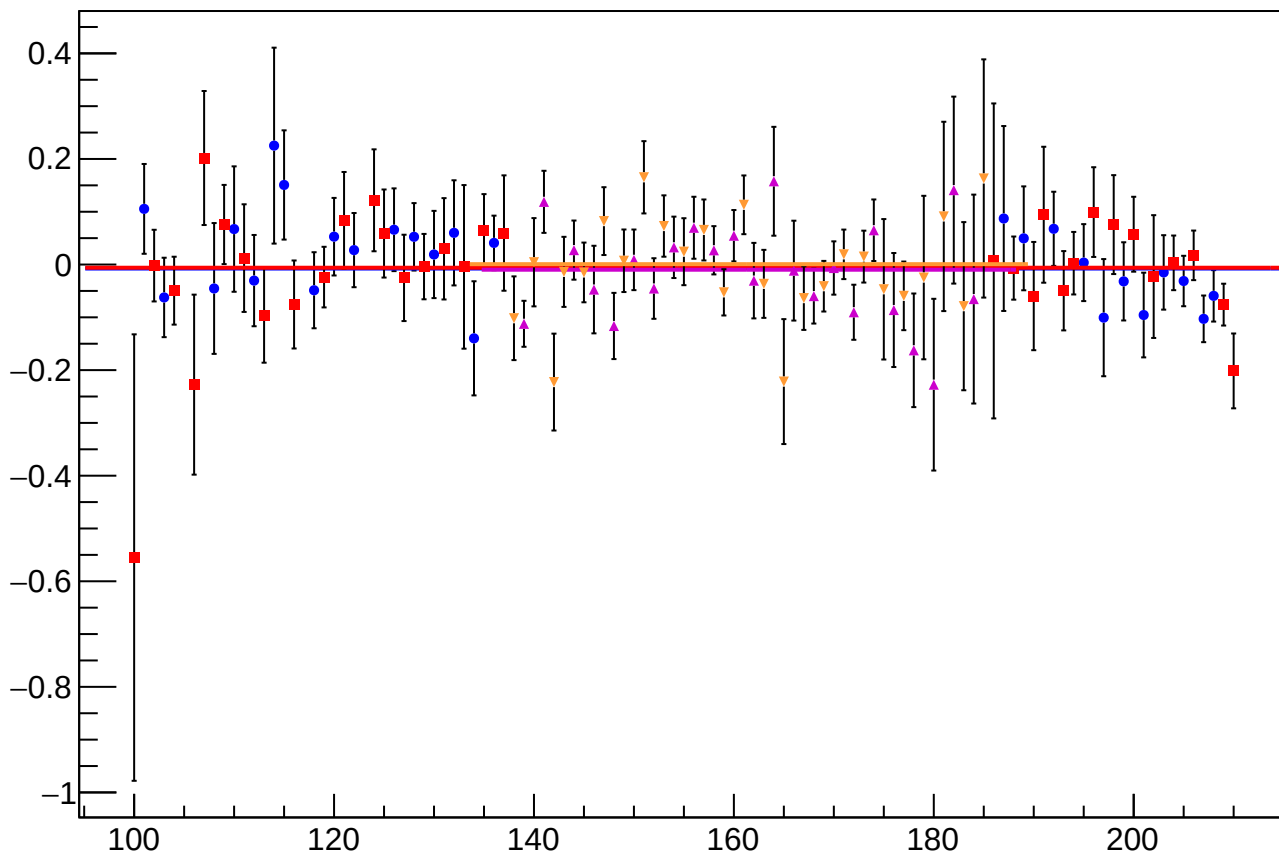
Left In: 0.000+/-0.000 χ^2/NDF : 1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 10484800.7/51

All: 0.000+/-0.000 χ^2/NDF : 22175671.0/107

- sign 0.000+/-0.000 χ^2/NDF : 11680051.9/55

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.014 χ^2/NDF : 22.6/26

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: -0.006 ± 0.013 χ^2/NDF : 29.9/32

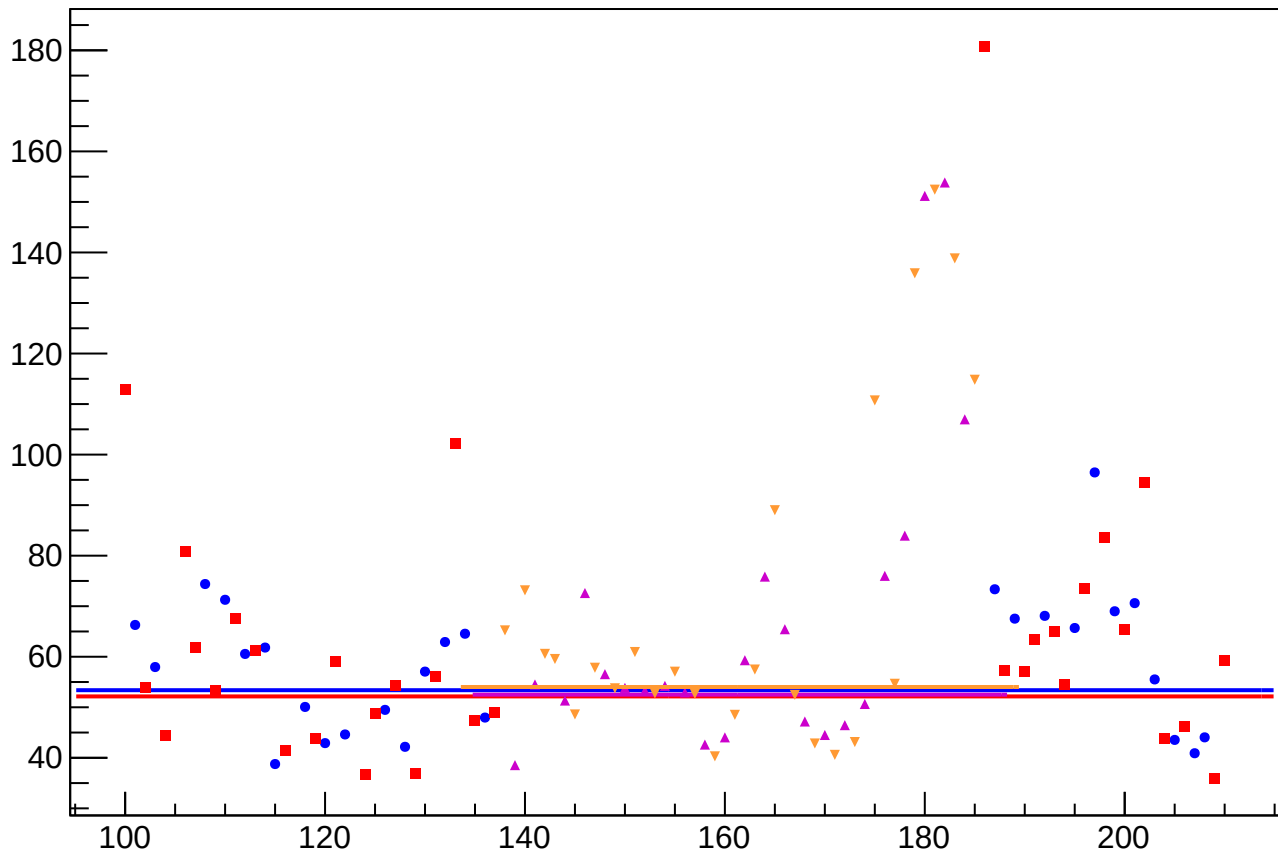
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign -0.003 ± 0.010 χ^2/NDF : 54.4/51

All: -0.006 ± 0.007 χ^2/NDF : 116.4/107

- sign -0.008 ± 0.009 χ^2/NDF : 61.8/55

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 53.380 $\pm$ 0.010 χ^2 /NDF: 1436516.5/26

Left Out: 54.014 $\pm$ 0.009 χ^2 /NDF: 3227550.5/24

Right Out: 52.150 $\pm$ 0.009 χ^2 /NDF: 2287657.9/32

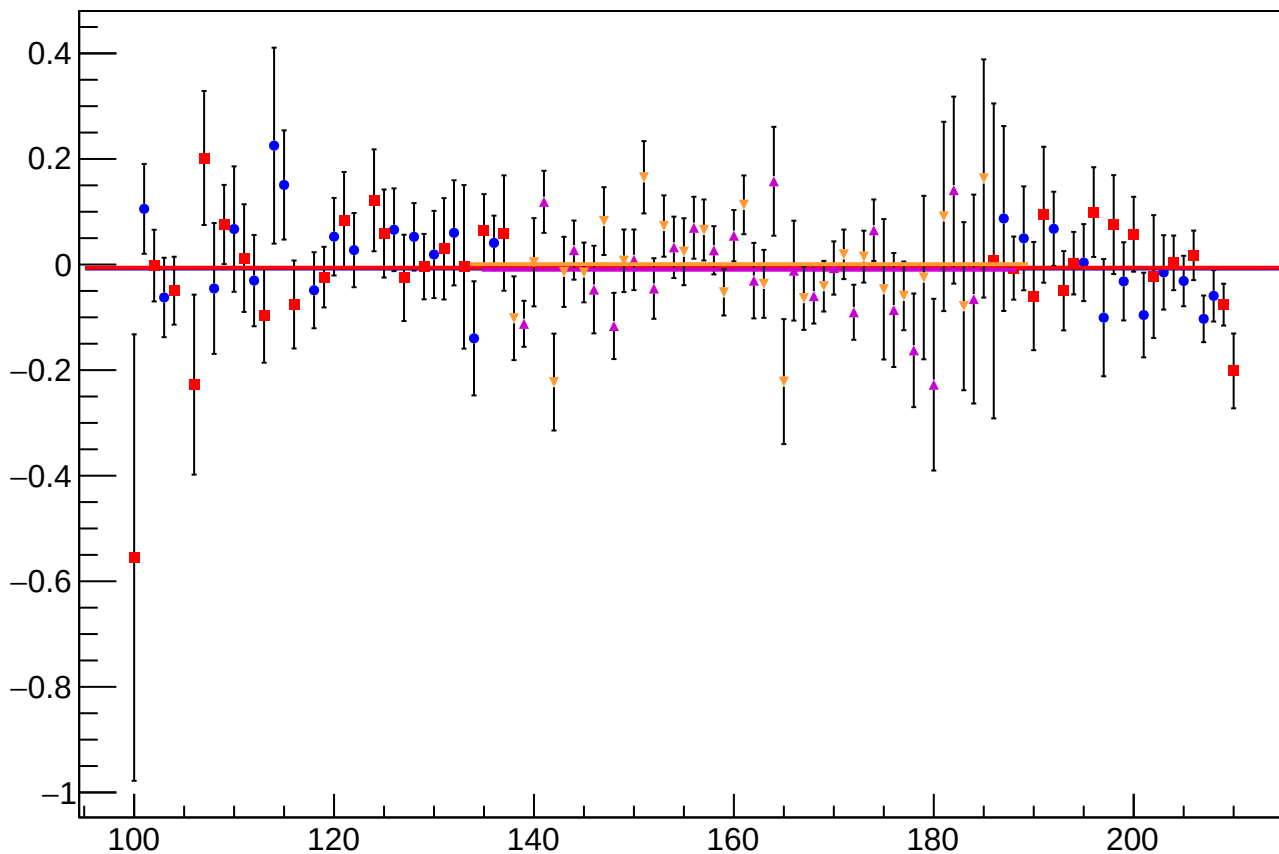
Left In: 52.502 $\pm$ 0.009 χ^2 /NDF: 2557763.5/22

+ sign 53.721 $\pm$ 0.007 χ^2 /NDF: 4666189.2/51

All: 52.997 $\pm$ 0.005 χ^2 /NDF: 9533773.7/107

- sign 52.326 $\pm$ 0.007 χ^2 /NDF: 4846131.6/55

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.014 χ^2/NDF : 22.6/26

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: -0.006 ± 0.013 χ^2/NDF : 29.9/32

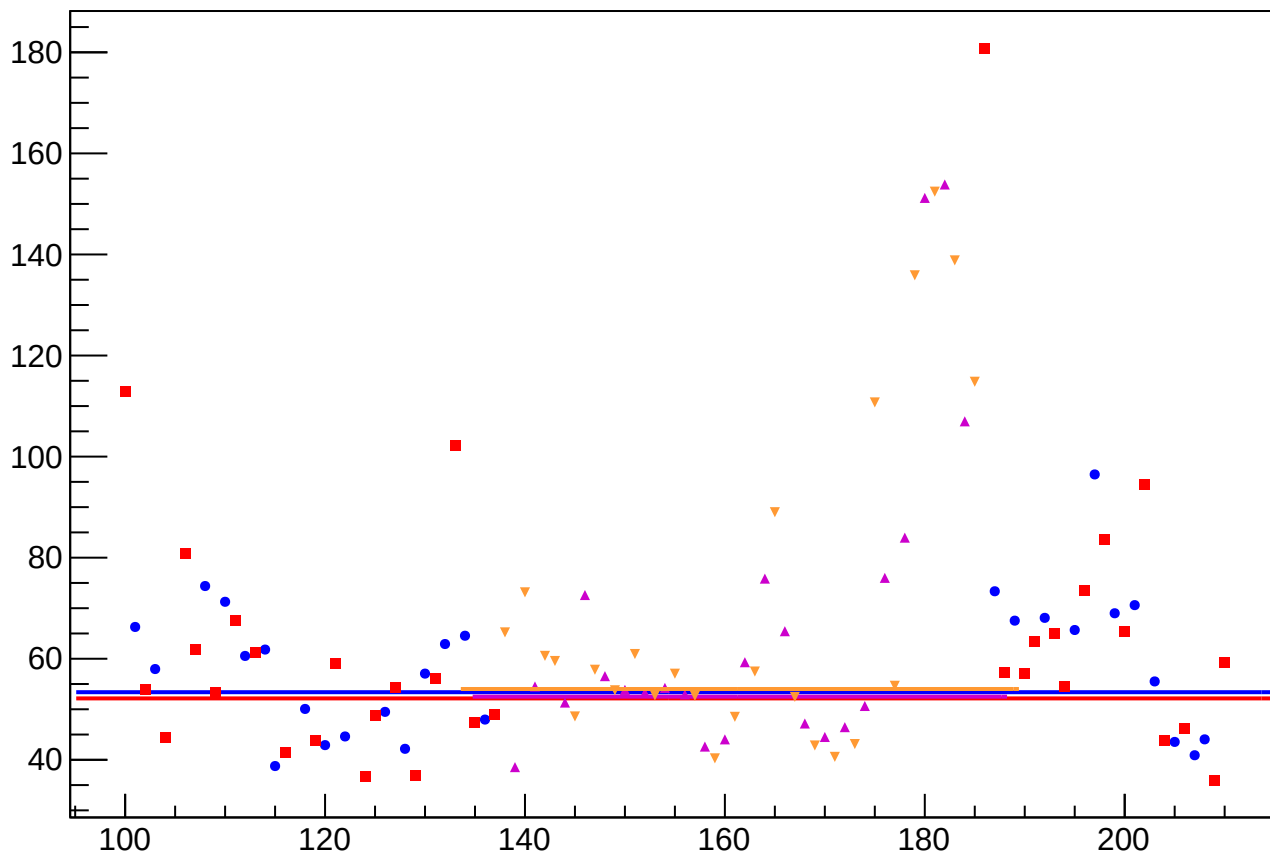
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign -0.003 ± 0.010 χ^2/NDF : 54.4/51

All: -0.006 ± 0.007 χ^2/NDF : 116.4/107

- sign -0.008 ± 0.009 χ^2/NDF : 61.8/55

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 53.380 $\pm$ 0.010 χ^2 /NDF: 1436516.5/26

Left Out: 54.014 $\pm$ 0.009 χ^2 /NDF:3227550.5/24

Right Out: 52.150 $\pm$ 0.009 χ^2 /NDF: 2287657.9/32

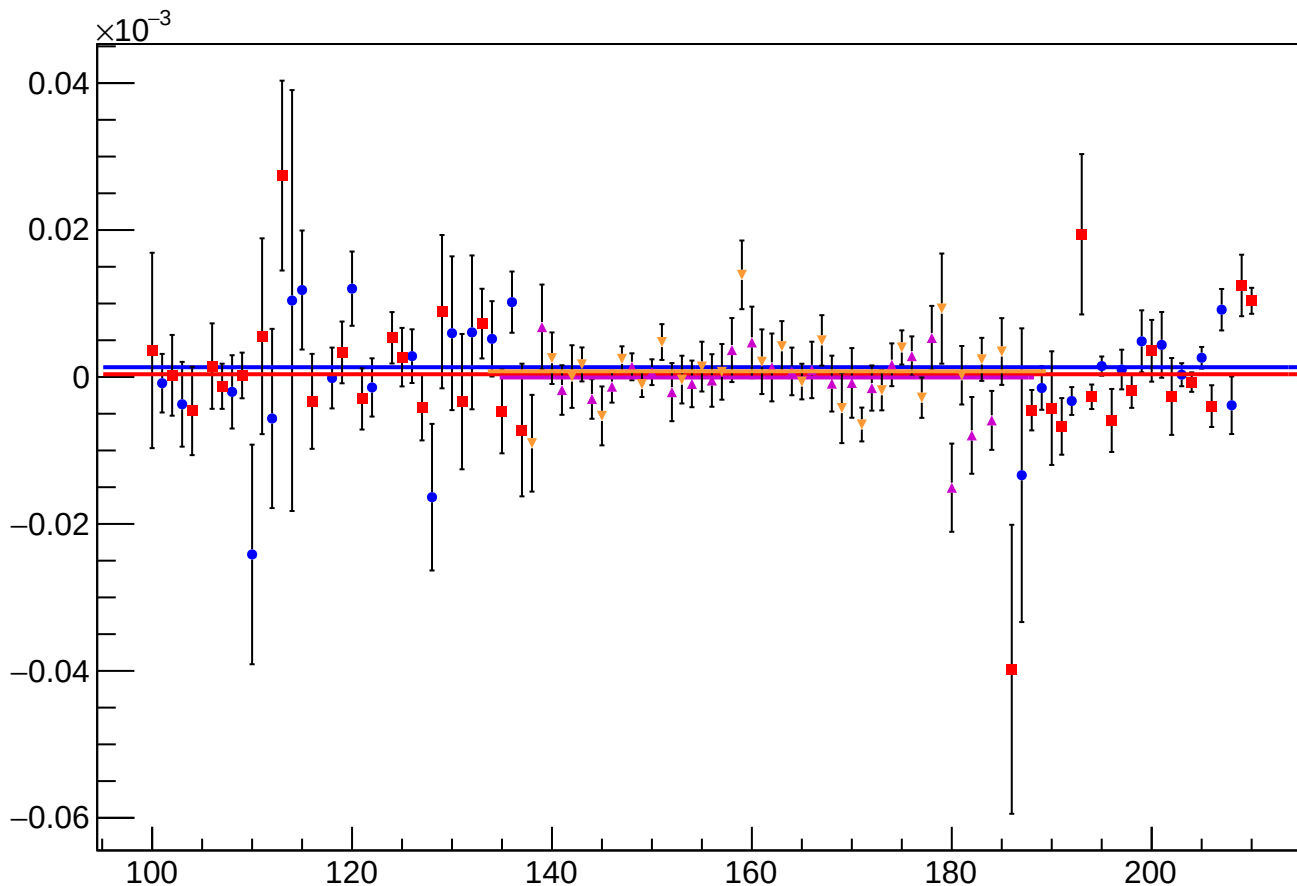
Left In: 52.502 $\pm$ 0.009 χ^2 /NDF:2557763.5/22

+ sign 53.721 $\pm$ 0.007 χ^2 /NDF: 4666189.2/51

All: 52.997 $\pm$ 0.005 χ^2 /NDF: 9533773.7/107

- sign 52.326 $\pm$ 0.007 χ^2 /NDF: 4846131.6/55

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.6/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 79.7/32

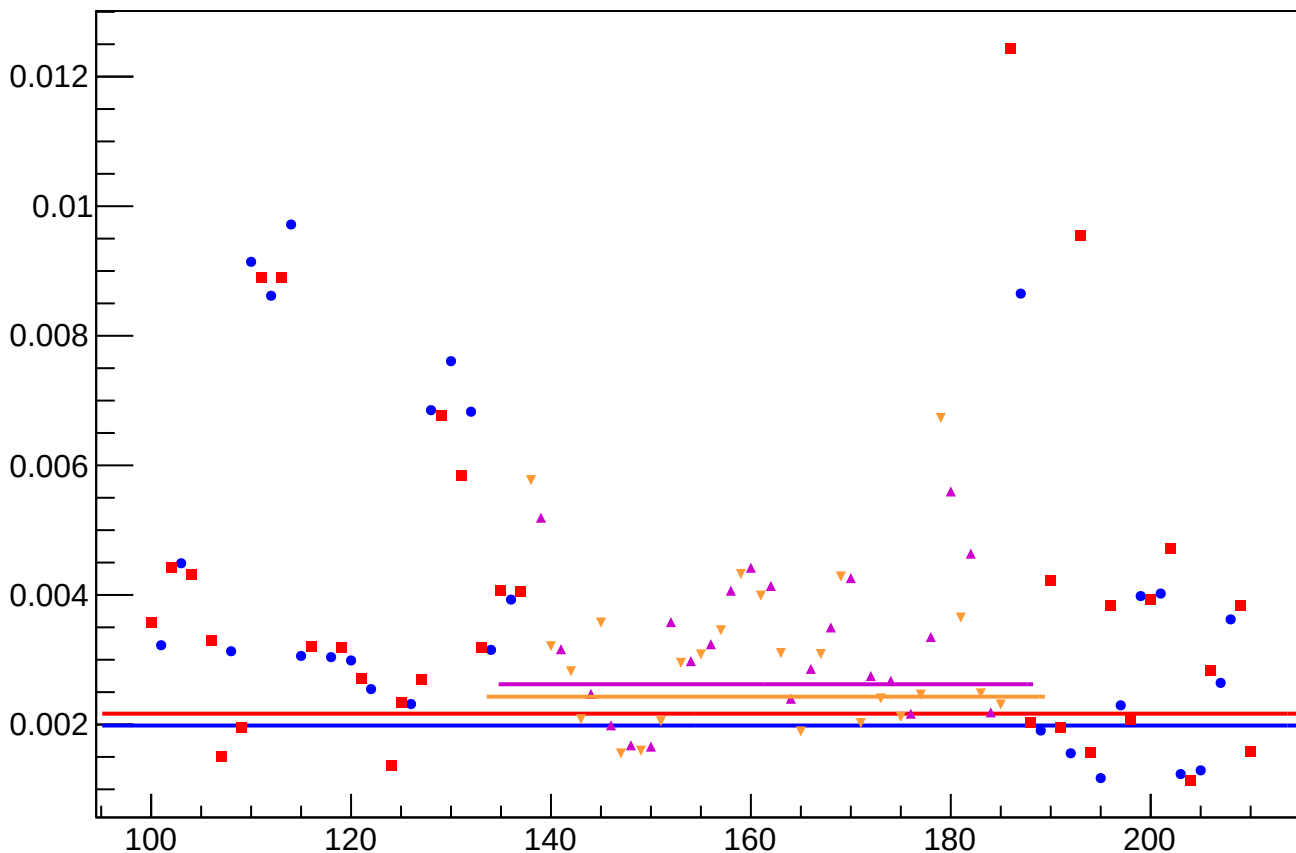
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:20.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 78.1/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 180.3/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 100.2/55

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 ± 0.000 $\chi^2/\text{NDF}: 7536726.0/26$

Left Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 4218362.5/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 8172980.1/32$

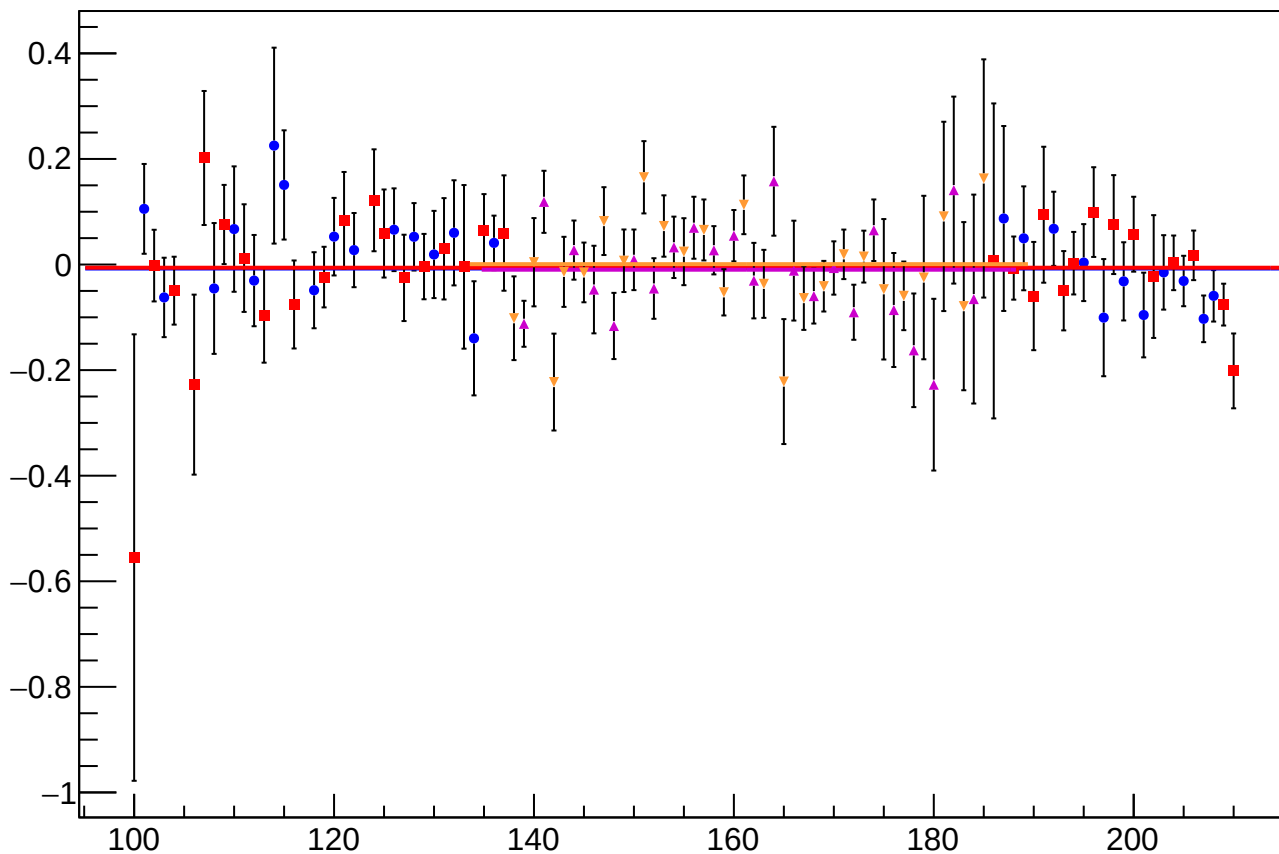
Left In: 0.003 ± 0.000 $\chi^2/\text{NDF}: 3955310.5/22$

+ sign 0.002 ± 0.000 $\chi^2/\text{NDF}: 12316965.7/51$

All: 0.002 ± 0.000 $\chi^2/\text{NDF}: 25103068.3/107$

- sign 0.002 ± 0.000 $\chi^2/\text{NDF}: 12642294.0/55$

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.014 χ^2/NDF : 22.6/26

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: -0.006 ± 0.013 χ^2/NDF : 29.9/32

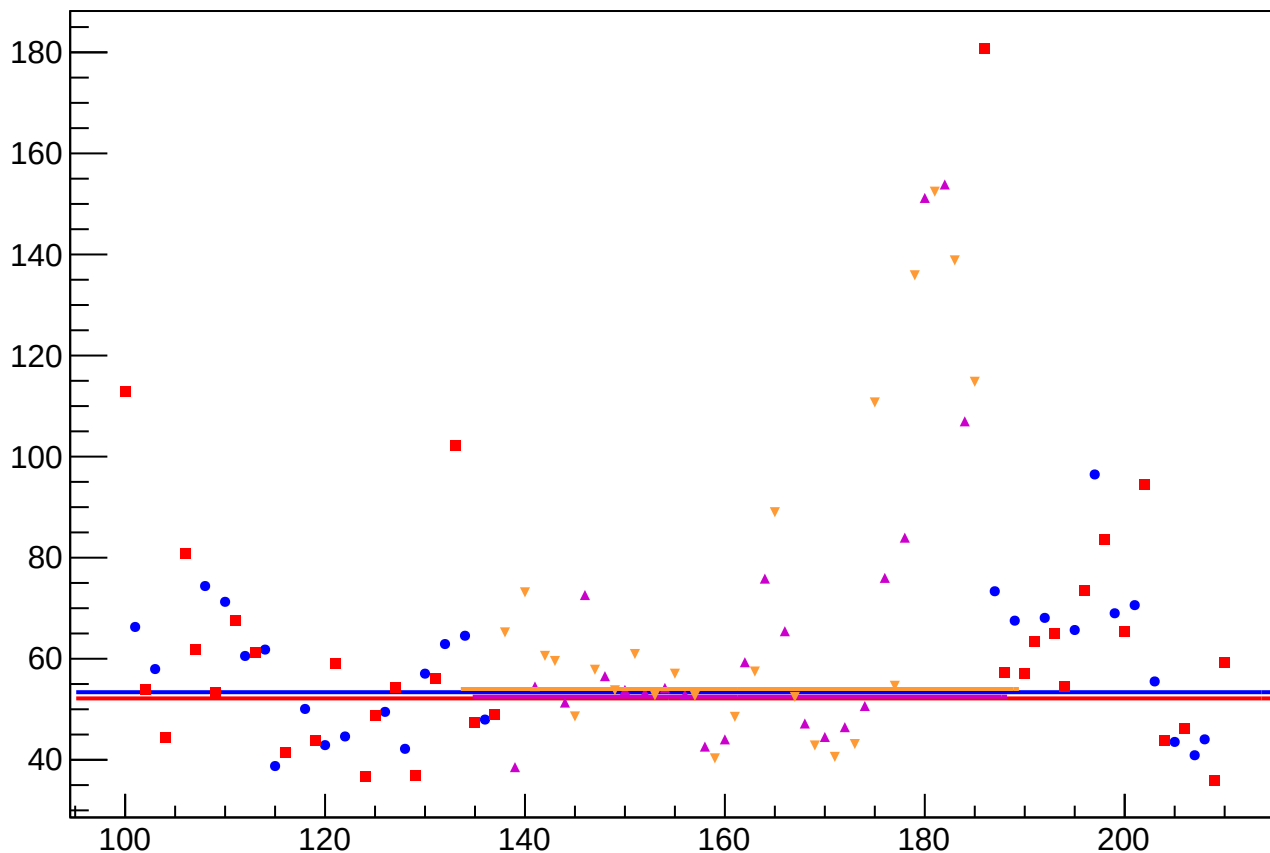
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign -0.003 ± 0.010 χ^2/NDF : 54.4/51

All: -0.006 ± 0.007 χ^2/NDF : 116.4/107

- sign -0.008 ± 0.009 χ^2/NDF : 61.8/55

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 53.380 $\pm$ 0.010 χ^2 /NDF: 1436448.5/26

Left Out: 54.014 $\pm$ 0.009 χ^2 /NDF: 3227569.4/24

Right Out: 52.150 $\pm$ 0.009 χ^2 /NDF: 2287605.5/32

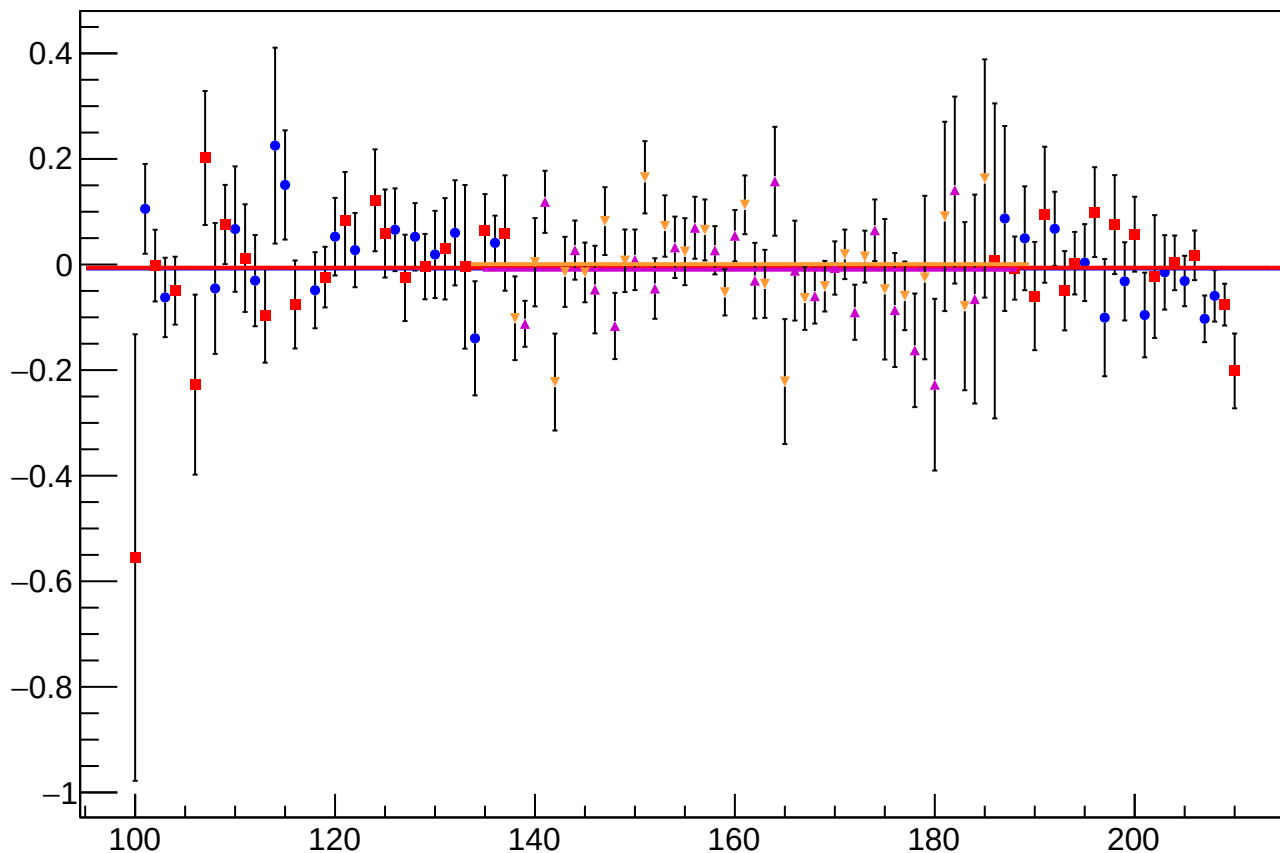
Left In: 52.502 $\pm$ 0.009 χ^2 /NDF: 2557805.6/22

+ sign 53.721 $\pm$ 0.007 χ^2 /NDF: 4666145.9/51

All: 52.997 $\pm$ 0.005 χ^2 /NDF: 9533718.2/107

- sign 52.326 $\pm$ 0.007 χ^2 /NDF: 4846123.1/55

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.014 χ^2/NDF : 22.6/26

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: -0.006 ± 0.013 χ^2/NDF : 29.9/32

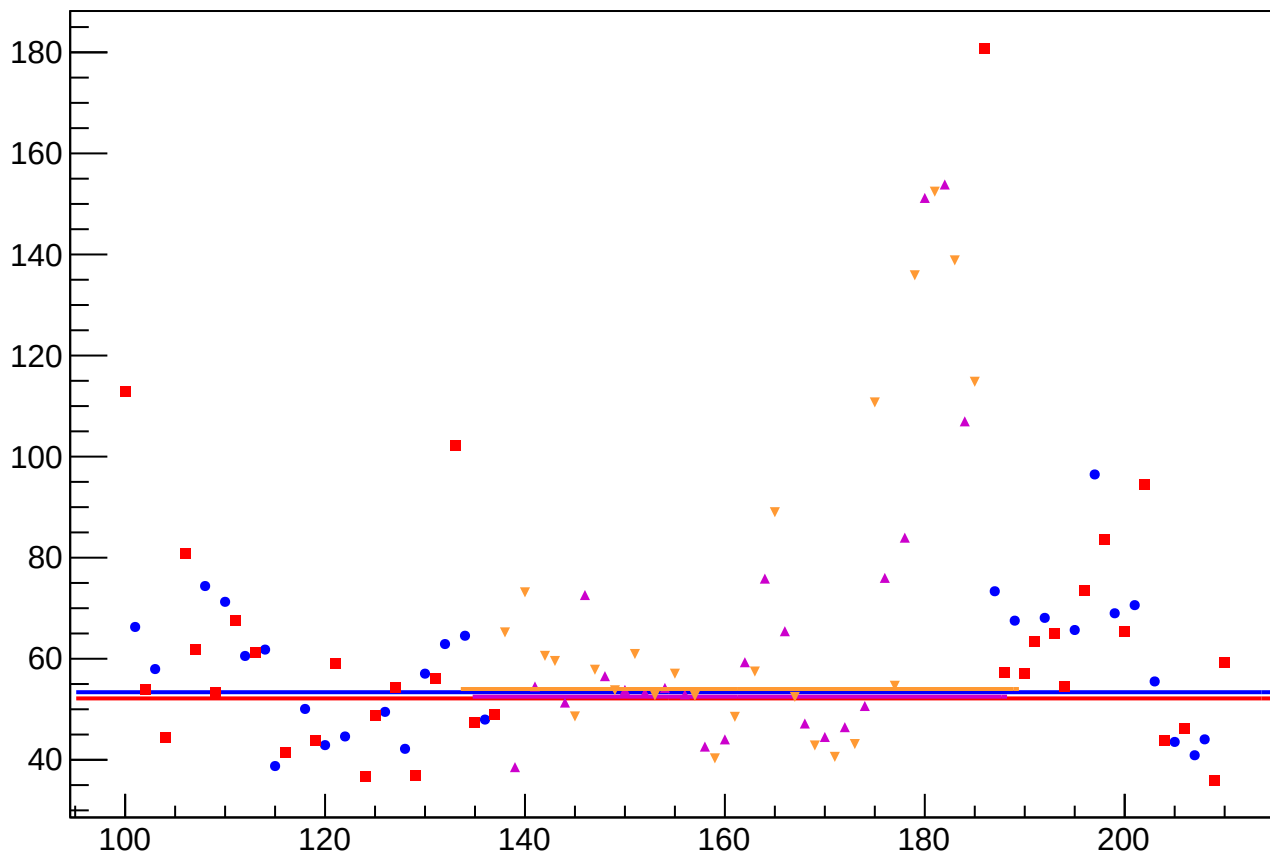
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign -0.003 ± 0.010 χ^2/NDF : 54.4/51

All: -0.006 ± 0.007 χ^2/NDF : 116.4/107

- sign -0.008 ± 0.009 χ^2/NDF : 61.8/55

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 53.380 $\pm$ 0.010 χ^2 /NDF: 1436448.5/26

Left Out: 54.014 $\pm$ 0.009 χ^2 /NDF: 3227569.4/24

Right Out: 52.150 $\pm$ 0.009 χ^2 /NDF: 2287605.5/32

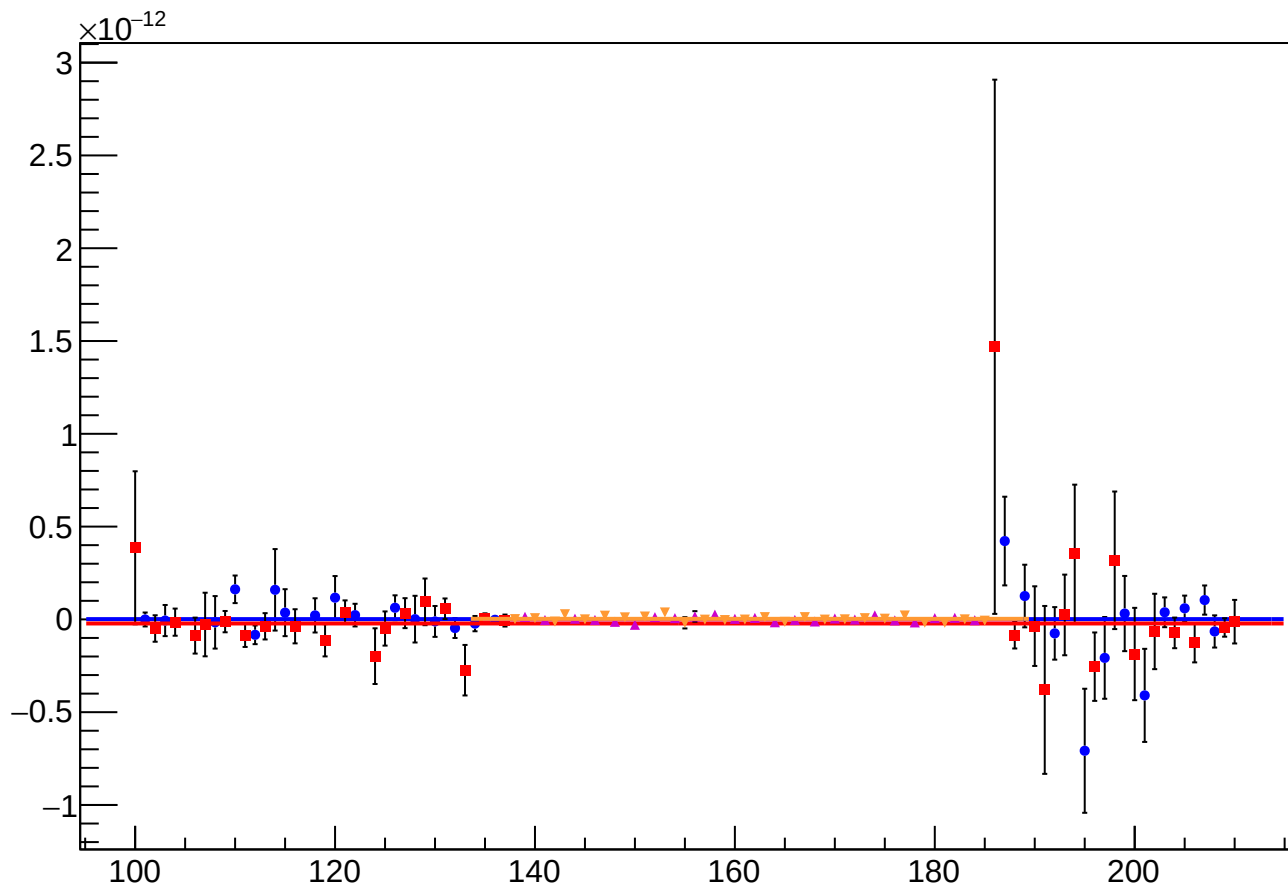
Left In: 52.502 $\pm$ 0.009 χ^2 /NDF: 2557805.6/22

+ sign 53.721 $\pm$ 0.007 χ^2 /NDF: 4666145.9/51

All: 52.997 $\pm$ 0.005 χ^2 /NDF: 9533718.2/107

- sign 52.326 $\pm$ 0.007 χ^2 /NDF: 4846123.1/55

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 $\chi^2/\text{NDF}: 26.6/26$

Left Out: 0.000+/-0.000 $\chi^2/\text{NDF}: 21.8/24$

Right Out: -0.000+/-0.000 $\chi^2/\text{NDF}: 22.1/32$

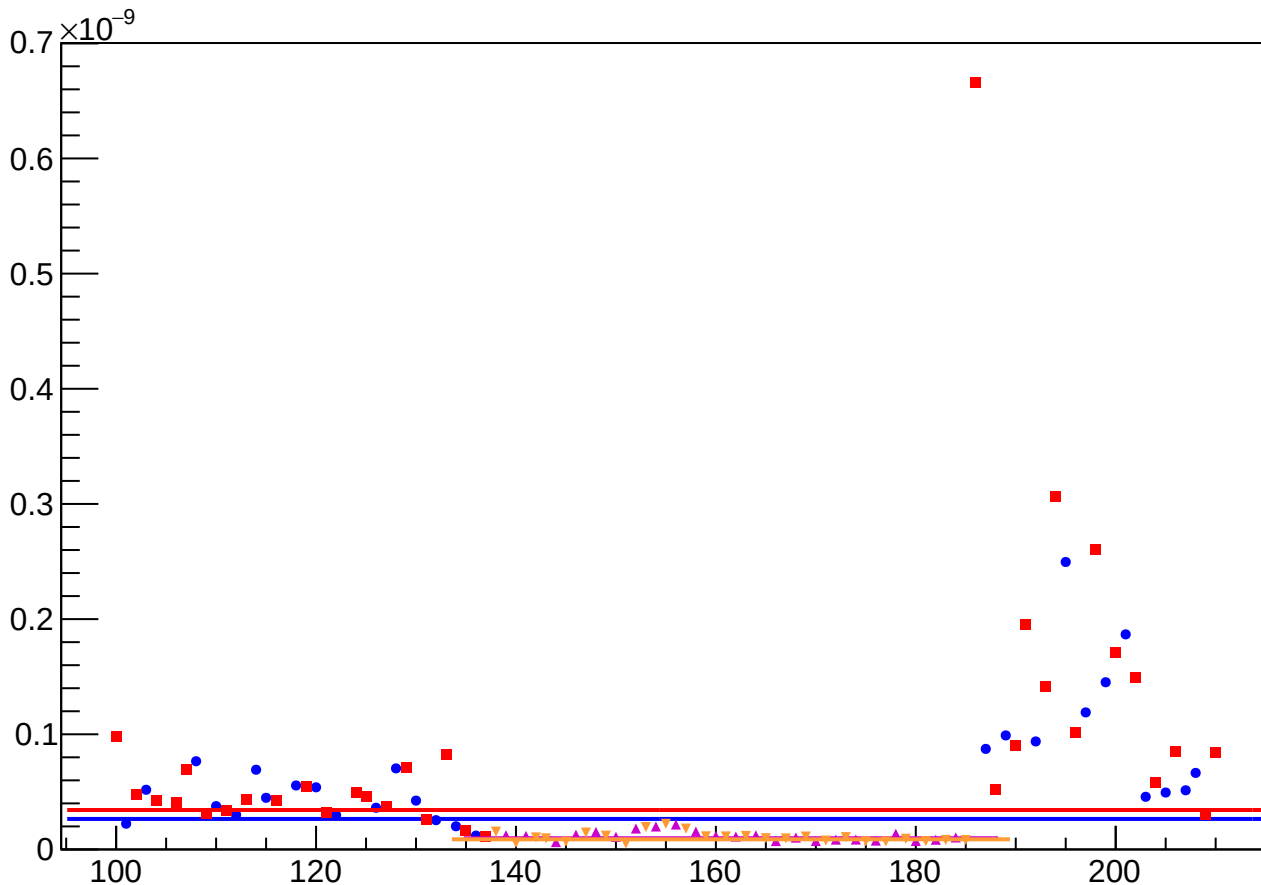
Left In: 0.000+/-0.000 $\chi^2/\text{NDF}: 15.3/22$

+ sign 0.000+/-0.000 $\chi^2/\text{NDF}: 48.5/51$

All: 0.000+/-0.000 $\chi^2/\text{NDF}: 89.3/107$

- sign 0.000+/-0.000 $\chi^2/\text{NDF}: 40.4/55$

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7508881.8/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8460762.8/32

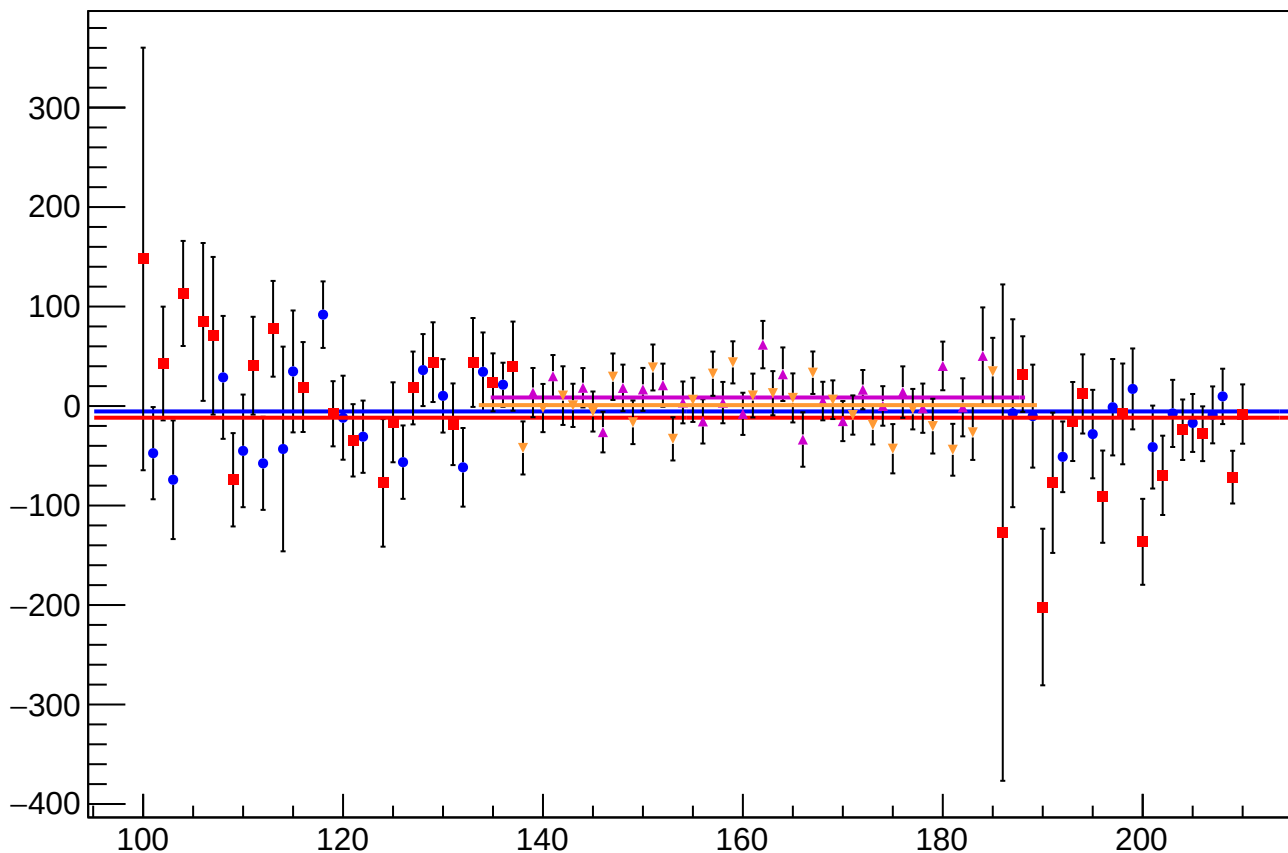
Left In: 0.000+/-0.000 χ^2/NDF : 2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 14654657.6/51

All: 0.000+/-0.000 χ^2/NDF : 32261670.7/107

- sign 0.000+/-0.000 χ^2/NDF : 17430893.2/55

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.404 ± 7.481 χ^2/NDF : 25.1/26

Left Out: 0.917 ± 4.574 χ^2/NDF : 29.2/24

Right Out: -11.736 ± 7.294 χ^2/NDF : 52.5/32

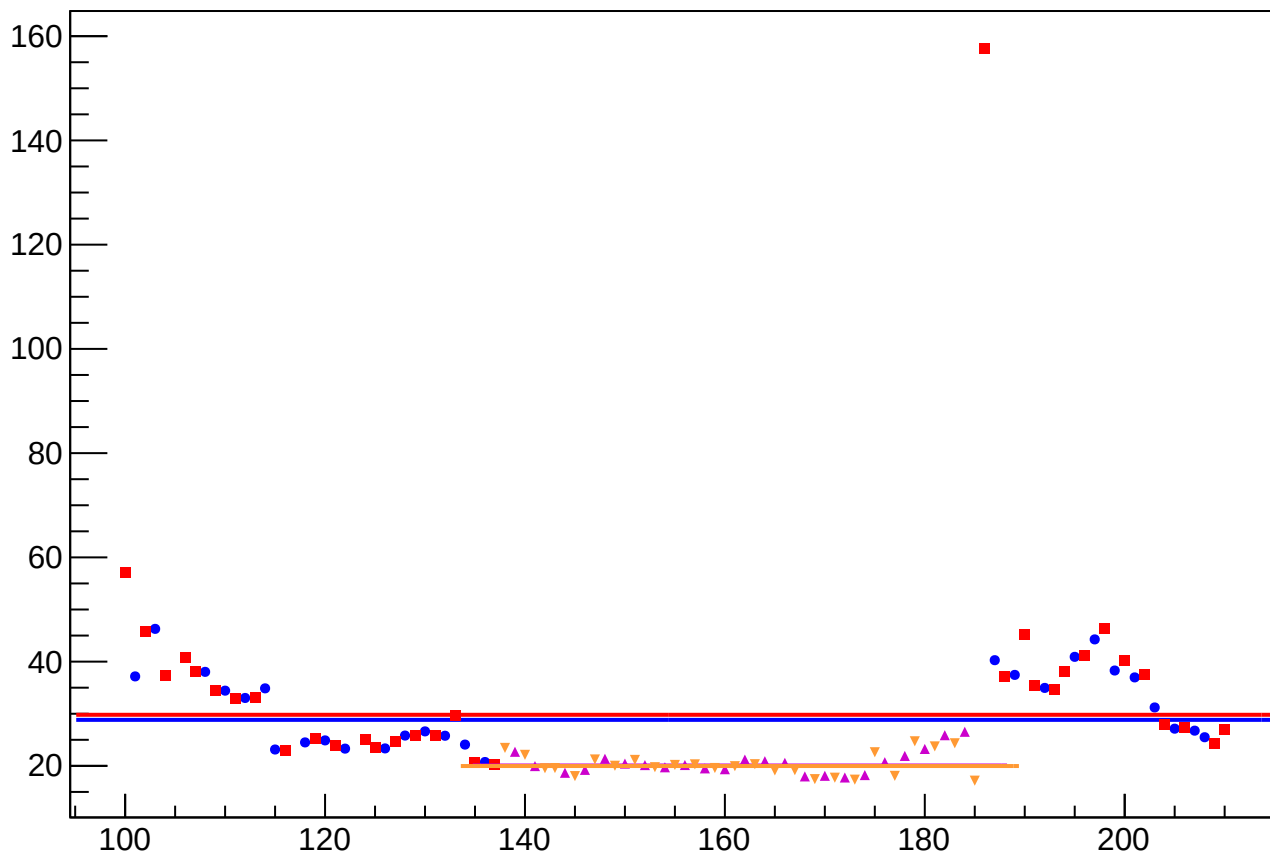
Left In: 8.600 ± 4.724 χ^2/NDF : 19.4/22

+ sign -0.803 ± 3.902 χ^2/NDF : 54.8/51

All: 0.867 ± 2.781 χ^2/NDF : 132.6/107

- sign 2.591 ± 3.965 χ^2/NDF : 77.4/55

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.826+/-0.005 χ^2/NDF : 1546257.5/26

Left Out: 19.969+/-0.003 χ^2/NDF : 386763.9/24

Right Out: 29.801+/-0.005 χ^2/NDF : 2349643.6/32

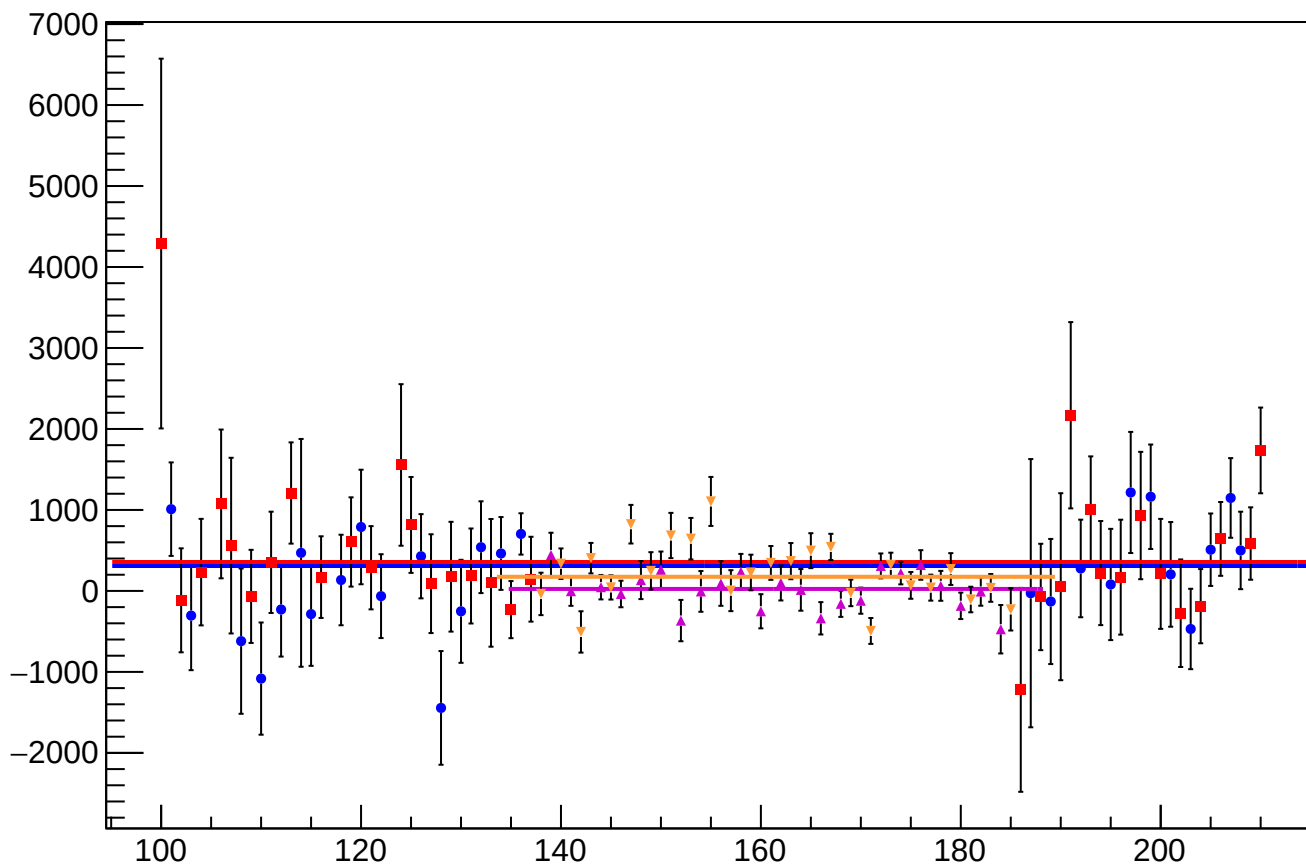
Left In: 20.072+/-0.003 χ^2/NDF : 301705.2/22

+ sign 22.379+/-0.003 χ^2/NDF : 3973731.4/51

All: 22.658+/-0.002 χ^2/NDF : 9152679.4/107

- sign 22.947+/-0.003 χ^2/NDF : 5158069.1/55

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 307.904 $\pm$ 107.807 χ^2 /NDF: 29.4/26

Left Out: 174.693 $\pm$ 39.049 χ^2 /NDF: 71.2/24

Right Out: 357.135 $\pm$ 107.538 χ^2 /NDF: 28.4/32

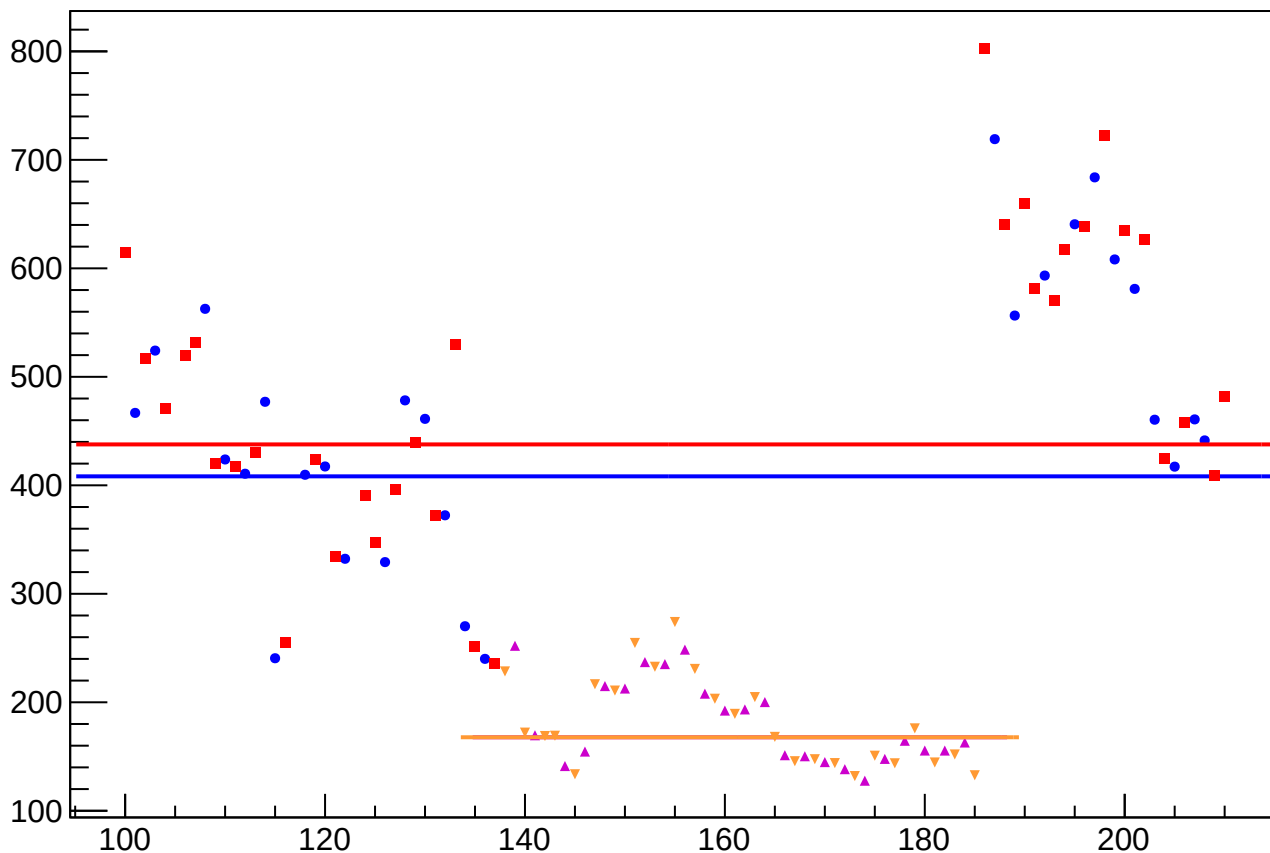
Left In: 24.589 $\pm$ 40.070 χ^2 /NDF: 26.9/22

+ sign 190.143 $\pm$ 36.715 χ^2 /NDF: 102.0/51

All: 129.040 $\pm$ 26.251 χ^2 /NDF: 171.4/107

- sign 65.131 $\pm$ 37.548 χ^2 /NDF: 63.7/55

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 408.267 ± 0.076 χ^2/NDF : 2694942.2/26

Left Out: 167.754 ± 0.028 χ^2/NDF : 1578232.9/24

Right Out: 437.704 ± 0.076 χ^2/NDF : 2877818.2/32

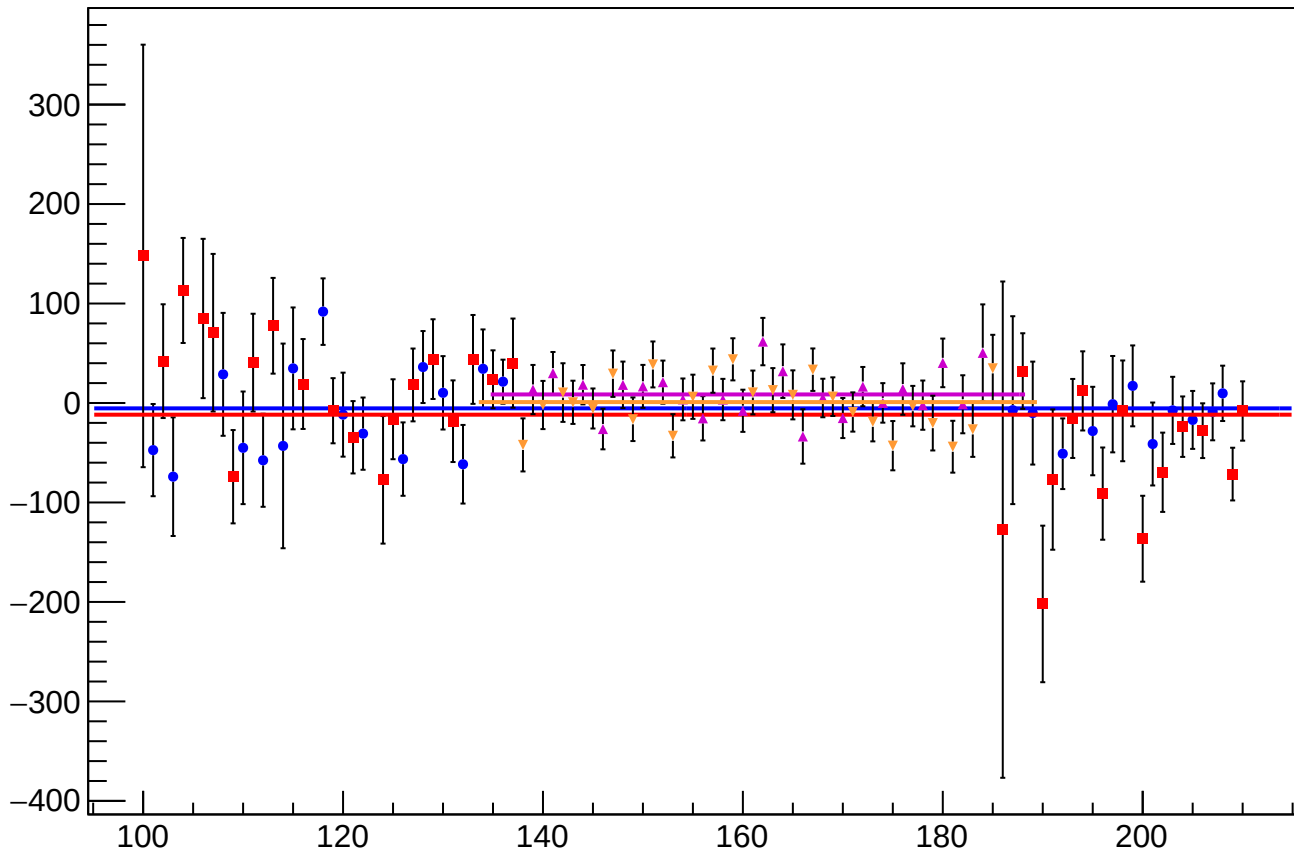
Left In: 167.748 ± 0.028 χ^2/NDF : 1403124.0/22

+ sign 195.650 ± 0.026 χ^2/NDF : 13073063.9/51

All: 198.098 ± 0.019 χ^2/NDF : 28439054.0/10

- sign 200.660 ± 0.027 χ^2/NDF : 15347787.3/55

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.401 ± 7.481 χ^2/NDF : 25.1/26

Left Out: 0.915 ± 4.574 χ^2/NDF : 29.2/24

Right Out: -11.759 ± 7.294 χ^2/NDF : 52.5/32

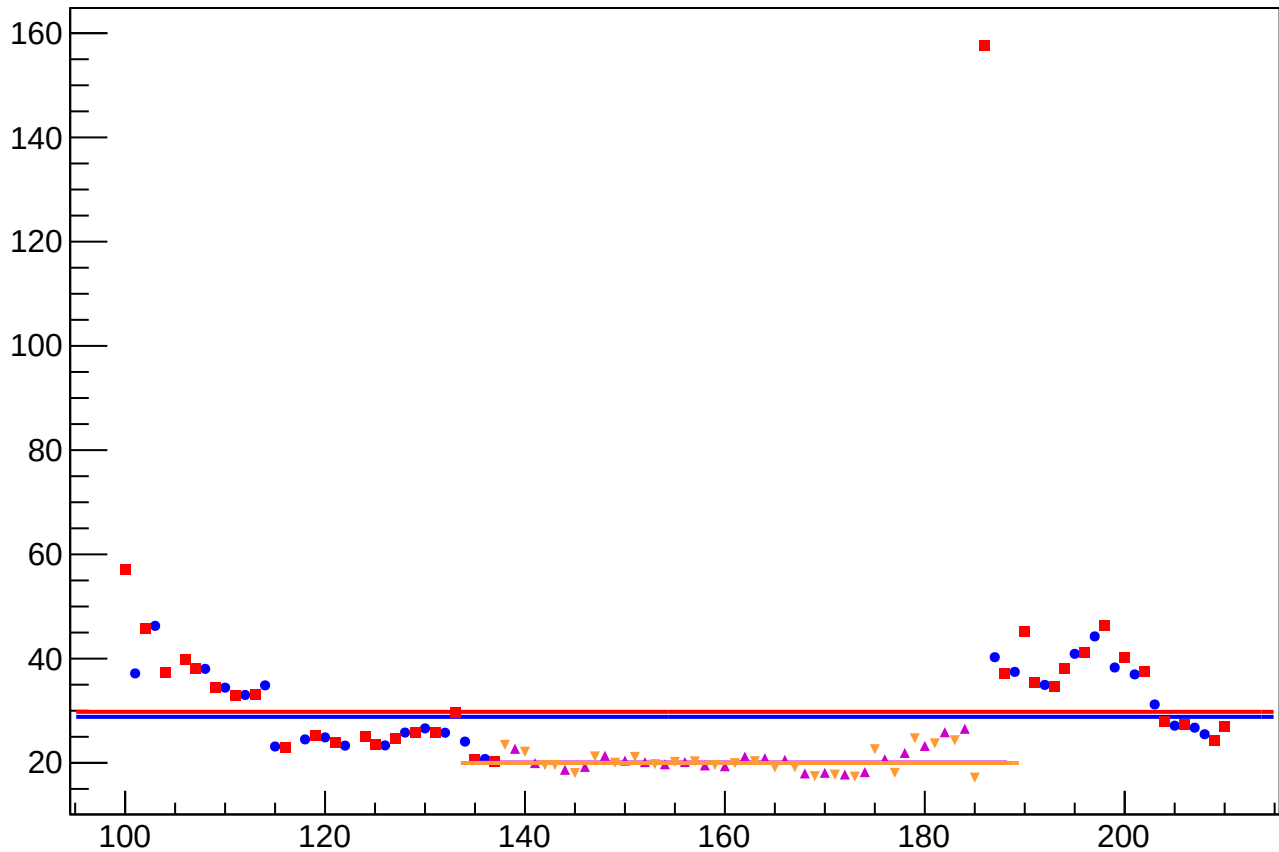
Left In: 8.600 ± 4.724 χ^2/NDF : 19.4/22

+ sign -0.804 ± 3.902 χ^2/NDF : 54.8/51

All: 0.864 ± 2.781 χ^2/NDF : 132.5/107

- sign 2.585 ± 3.965 χ^2/NDF : 77.3/55

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.826+/-0.005 χ^2/NDF : 1546260.7/26

Left Out: 19.969+/-0.003 χ^2/NDF : 386763.9/24

Right Out: 29.790+/-0.005 χ^2/NDF : 2342066.8/32

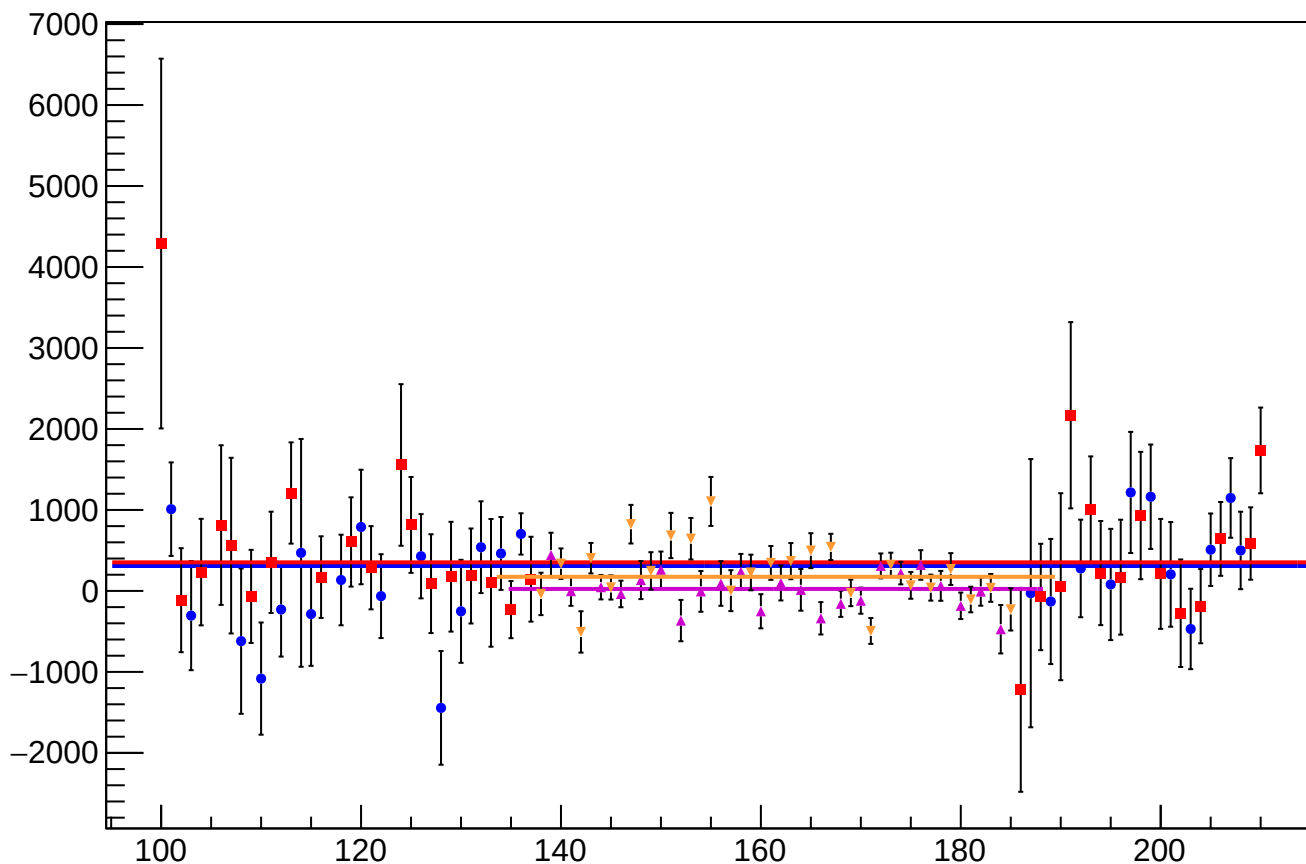
Left In: 20.072+/-0.003 χ^2/NDF : 301705.2/22

+ sign 22.379+/-0.003 χ^2/NDF : 3973734.8/51

All: 22.657+/-0.002 χ^2/NDF : 9139090.0/107

- sign 22.943+/-0.003 χ^2/NDF : 5144731.3/55

asym_sam_1357_2468_dd_cor_correction_mean vs Slug



Right In: 307.901 $\pm$ 107.807 χ^2 /NDF: 29.4/26

Left Out: 174.691 $\pm$ 39.049 χ^2 /NDF:71.2/24

Right Out: 352.781 $\pm$ 107.637 χ^2 /NDF: 28.0/32

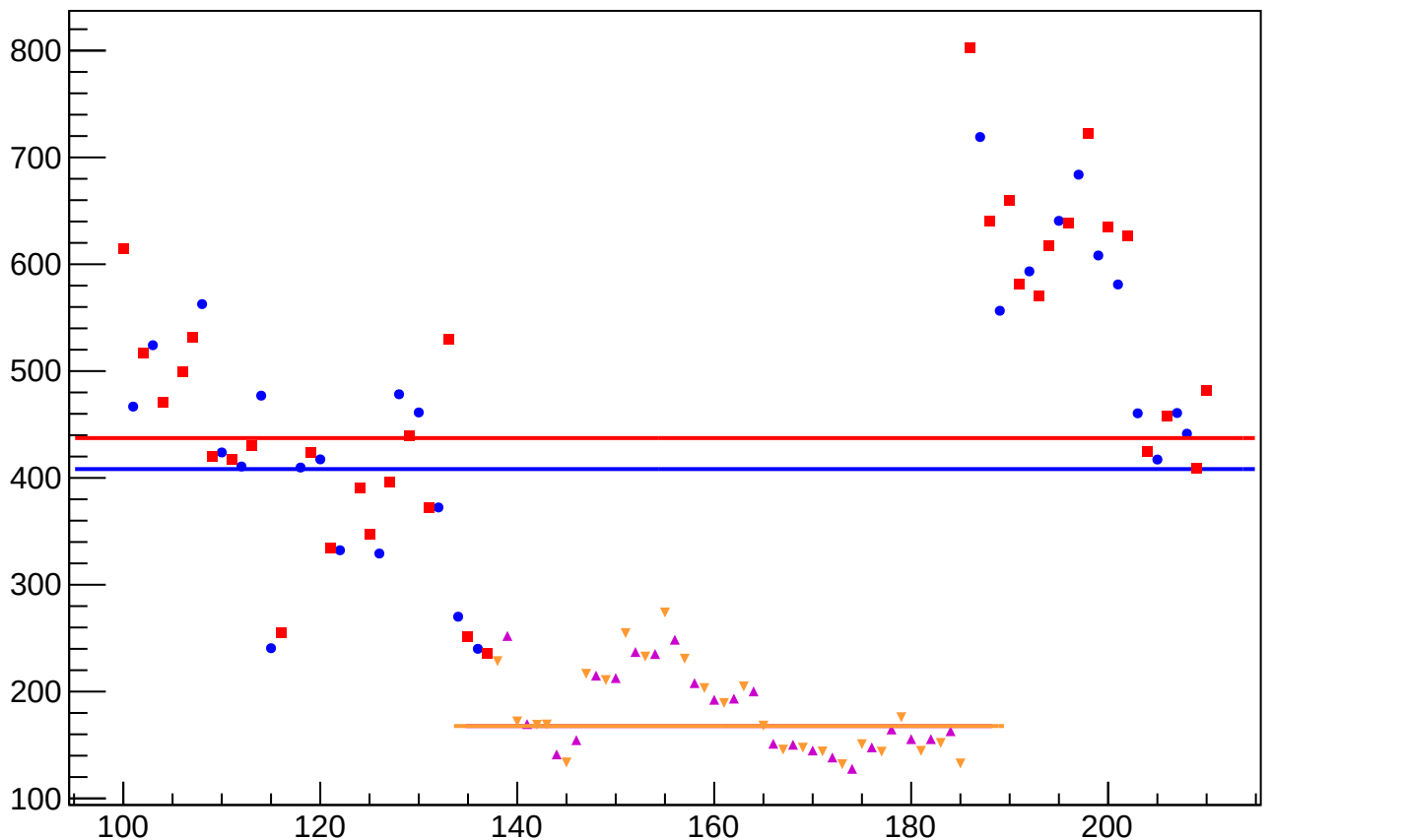
Left In: 24.590 $\pm$ 40.070 χ^2 /NDF:26.9/22

+ sign 190.141 $\pm$ 36.715 χ^2 /NDF: 102.0/51

All: 128.755 $\pm$ 26.252 χ^2 /NDF: 170.8/107

- sign 64.537 $\pm$ 37.553 χ^2 /NDF: 63.1/55

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 408.267 $\pm$ 0.076 χ^2 /NDF: 2694967.5/26

Left Out: 167.754 $\pm$ 0.028 χ^2 /NDF:1578231.3/24

Right Out: 437.318 $\pm$ 0.076 χ^2 /NDF: 2869815.8/32

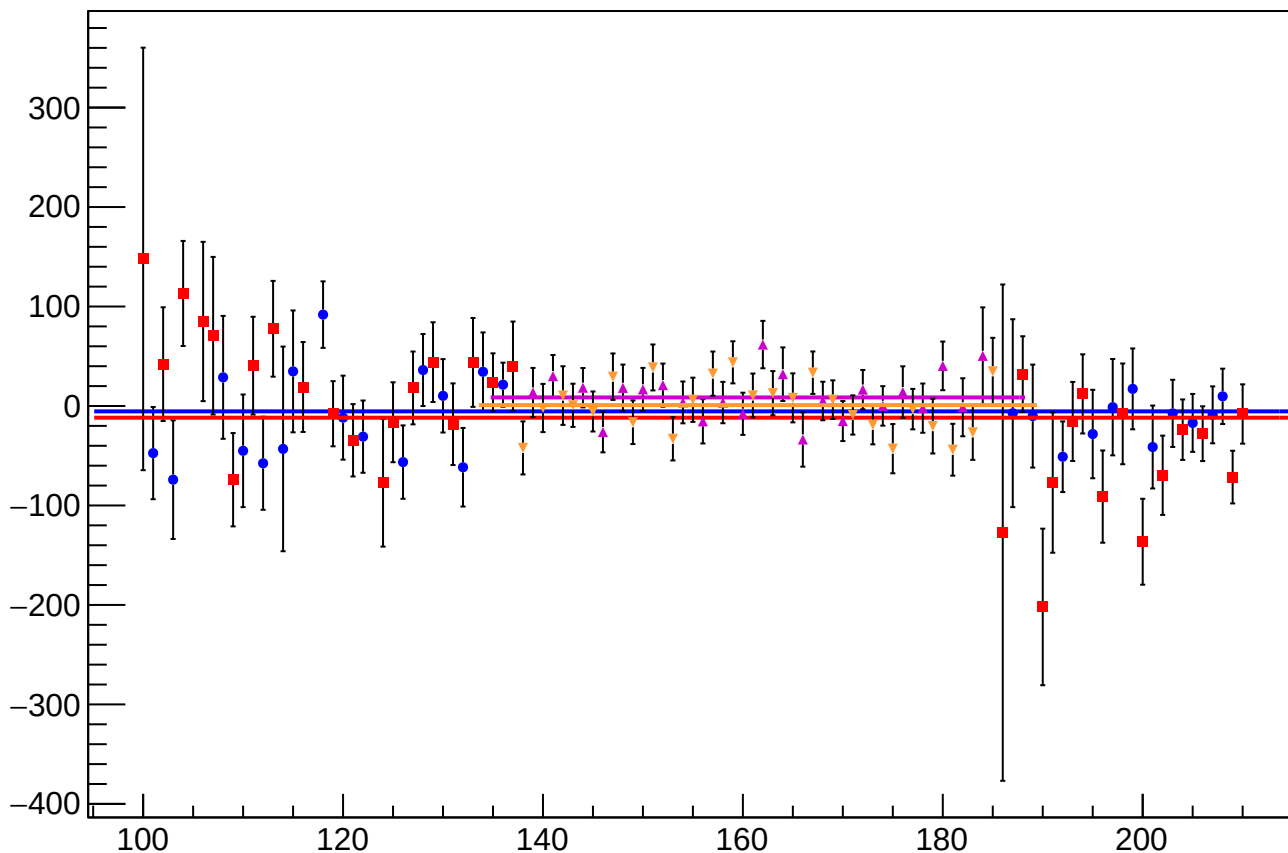
Left In: 167.748 $\pm$ 0.028 χ^2 /NDF:1403120.1/22

+ sign 195.650 $\pm$ 0.026 χ^2 /NDF: 13073088.3/51

All: 198.049 $\pm$ 0.019 χ^2 /NDF: 28380977.8/10

- sign 200.560 $\pm$ 0.027 χ^2 /NDF: 15290406.0/55

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.401 ± 7.481 χ^2/NDF : 25.1/26

Left Out: 0.915 ± 4.574 χ^2/NDF : 29.2/24

Right Out: -11.759 ± 7.294 χ^2/NDF : 52.5/32

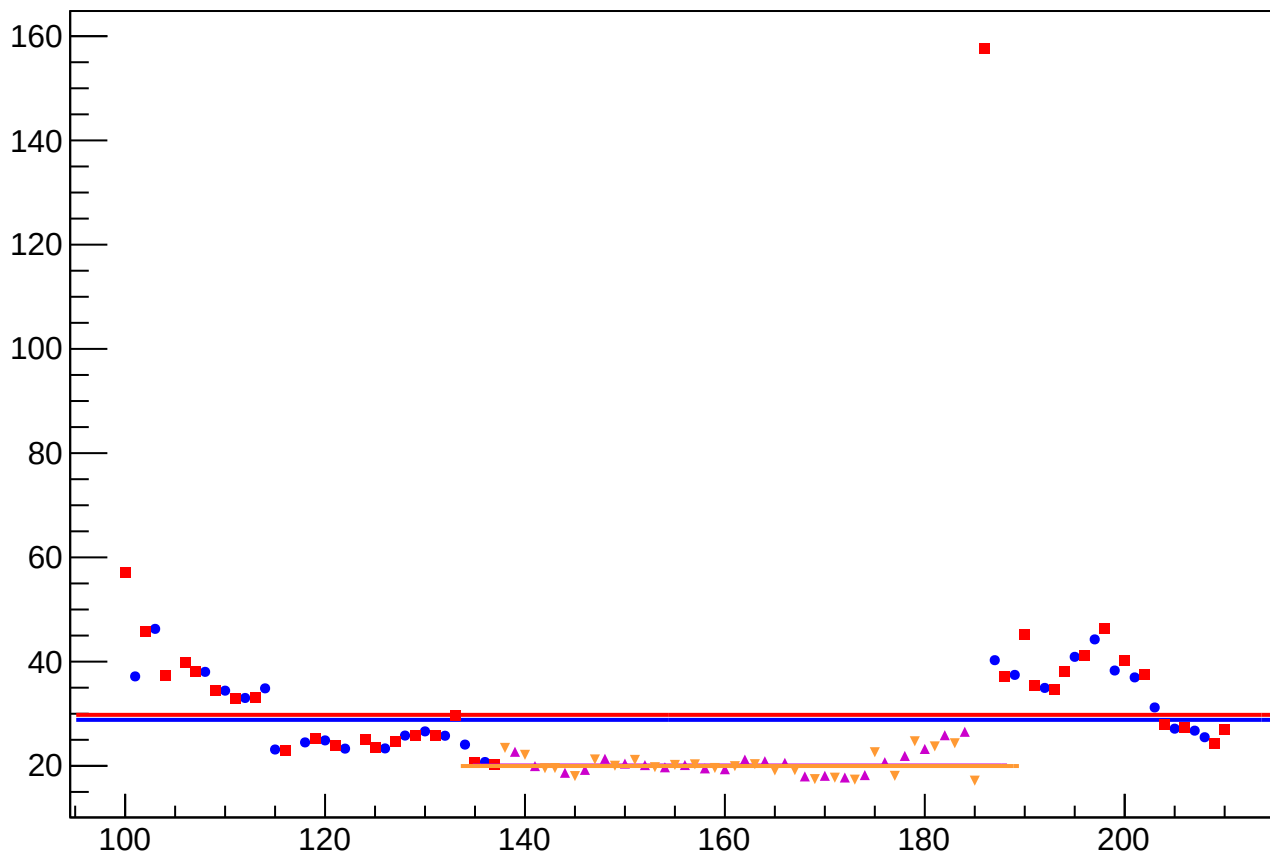
Left In: 8.600 ± 4.724 χ^2/NDF : 19.4/22

+ sign -0.804 ± 3.902 χ^2/NDF : 54.8/51

All: 0.864 ± 2.781 χ^2/NDF : 132.5/107

- sign 2.585 ± 3.965 χ^2/NDF : 77.3/55

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.826+/-0.005 χ^2/NDF : 1546260.7/26

Left Out: 19.969+/-0.003 χ^2/NDF : 386763.9/24

Right Out: 29.790+/-0.005 χ^2/NDF : 2342066.8/32

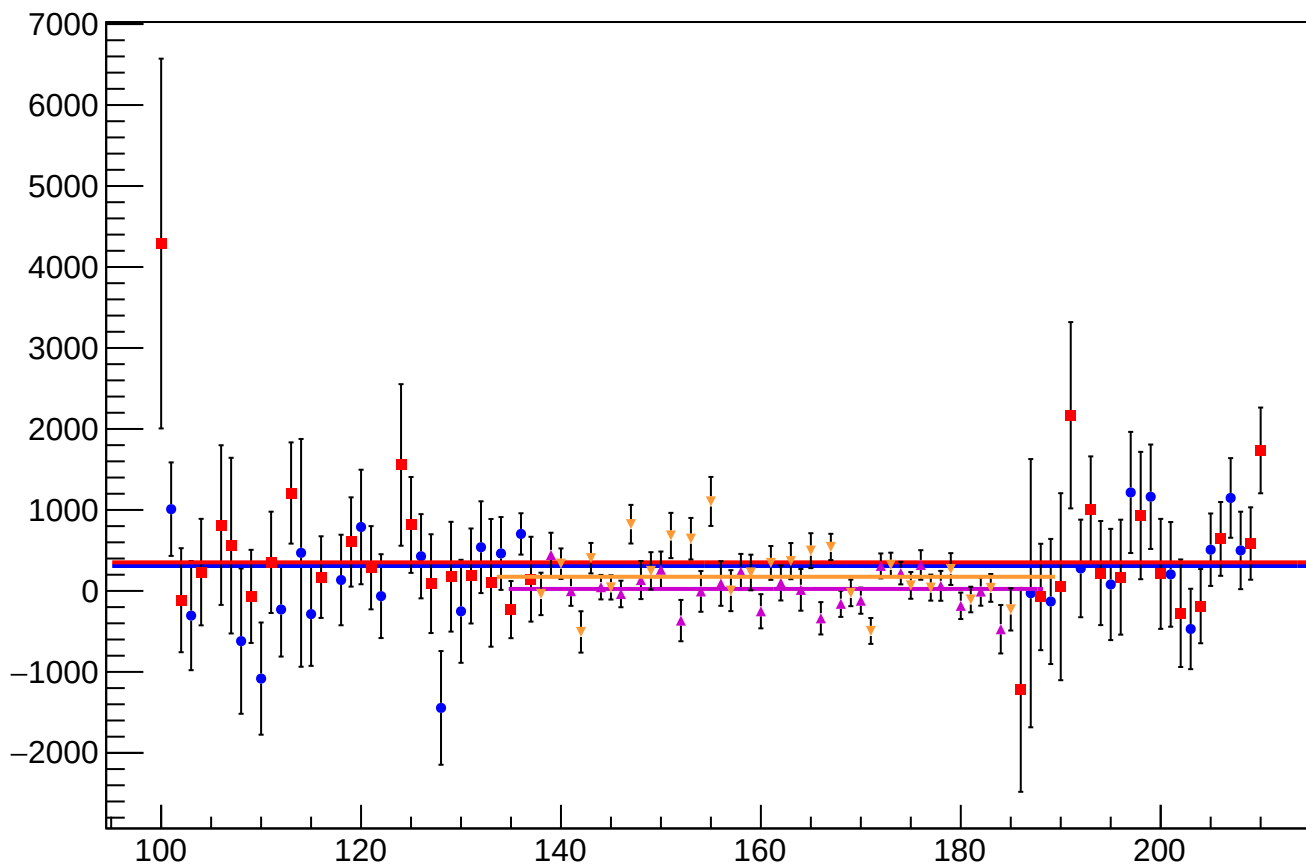
Left In: 20.072+/-0.003 χ^2/NDF : 301705.2/22

+ sign 22.379+/-0.003 χ^2/NDF : 3973734.8/51

All: 22.657+/-0.002 χ^2/NDF : 9139090.0/107

- sign 22.943+/-0.003 χ^2/NDF : 5144731.3/55

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug



Right In: 307.901 $\pm$ 107.807 χ^2 /NDF: 29.4/26

Left Out: 174.691 $\pm$ 39.049 χ^2 /NDF:71.2/24

Right Out: 352.781 $\pm$ 107.637 χ^2 /NDF: 28.0/32

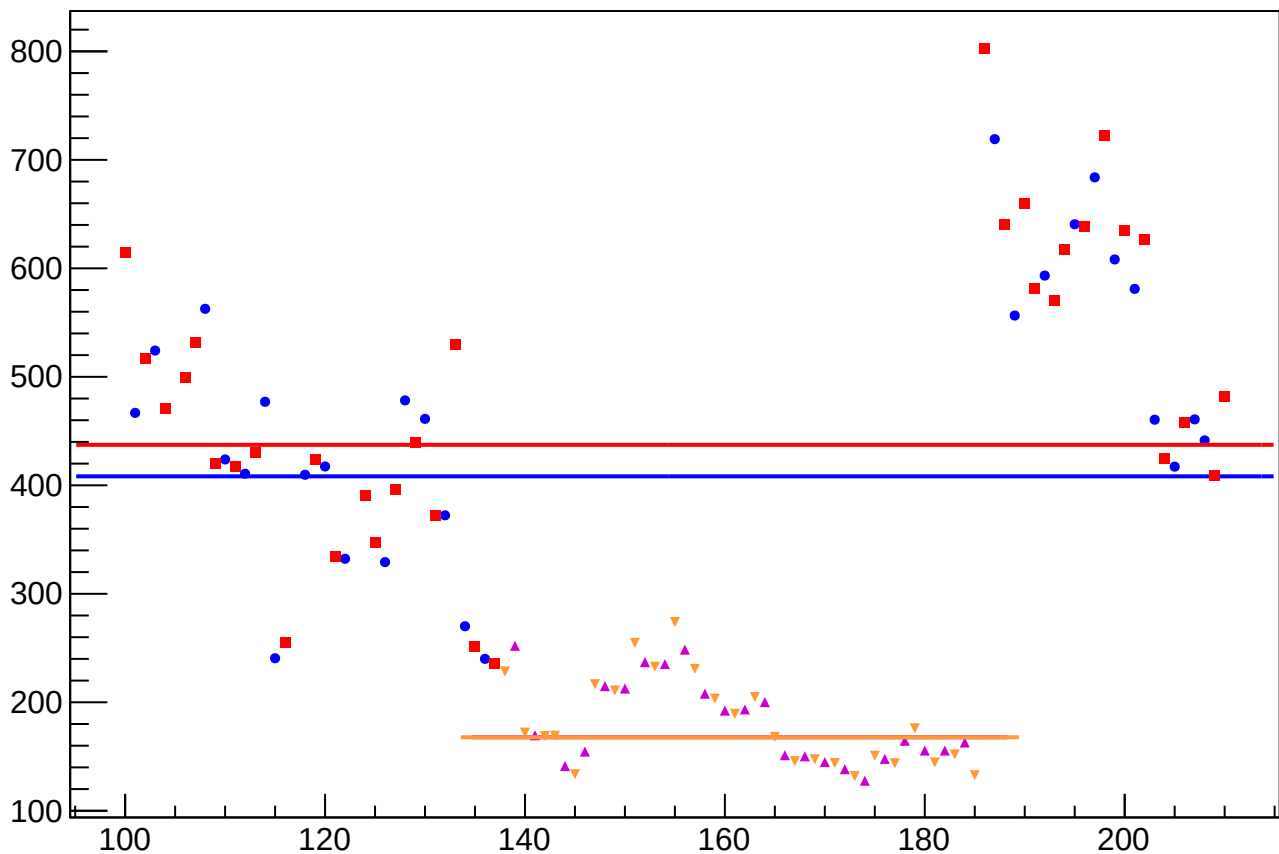
Left In: 24.590 $\pm$ 40.070 χ^2 /NDF:26.9/22

+ sign 190.141 $\pm$ 36.715 χ^2 /NDF: 102.0/51

All: 128.755 $\pm$ 26.252 χ^2 /NDF: 170.8/107

- sign 64.537 $\pm$ 37.553 χ^2 /NDF: 63.1/55

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug



Right In: 408.267 $\pm$ 0.076 χ^2 /NDF: 2694967.5/26

Left Out: 167.754 $\pm$ 0.028 χ^2 /NDF:1578231.3/24

Right Out: 437.318 $\pm$ 0.076 χ^2 /NDF: 2869815.8/32

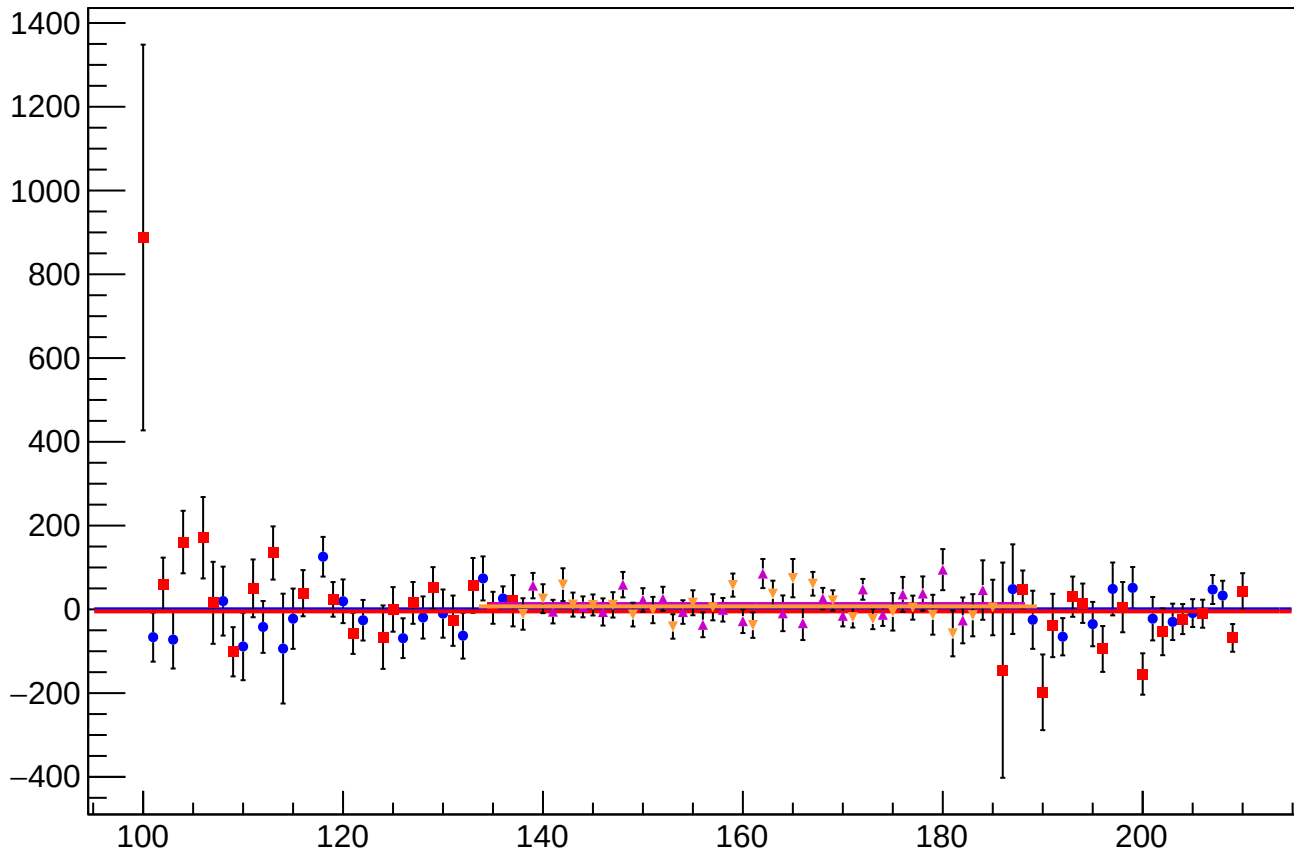
Left In: 167.748 $\pm$ 0.028 χ^2 /NDF:1403120.1/22

+ sign 195.650 $\pm$ 0.026 χ^2 /NDF: 13073088.3/51

All: 198.049 $\pm$ 0.019 χ^2 /NDF: 28380977.8/10

- sign 200.560 $\pm$ 0.027 χ^2 /NDF: 15290406.0/55

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.113 ± 9.609 χ^2/NDF : 26.6/26

Left Out: 7.079 ± 6.333 χ^2/NDF : 22.7/24

Right Out: -4.802 ± 9.272 χ^2/NDF : 51.5/32

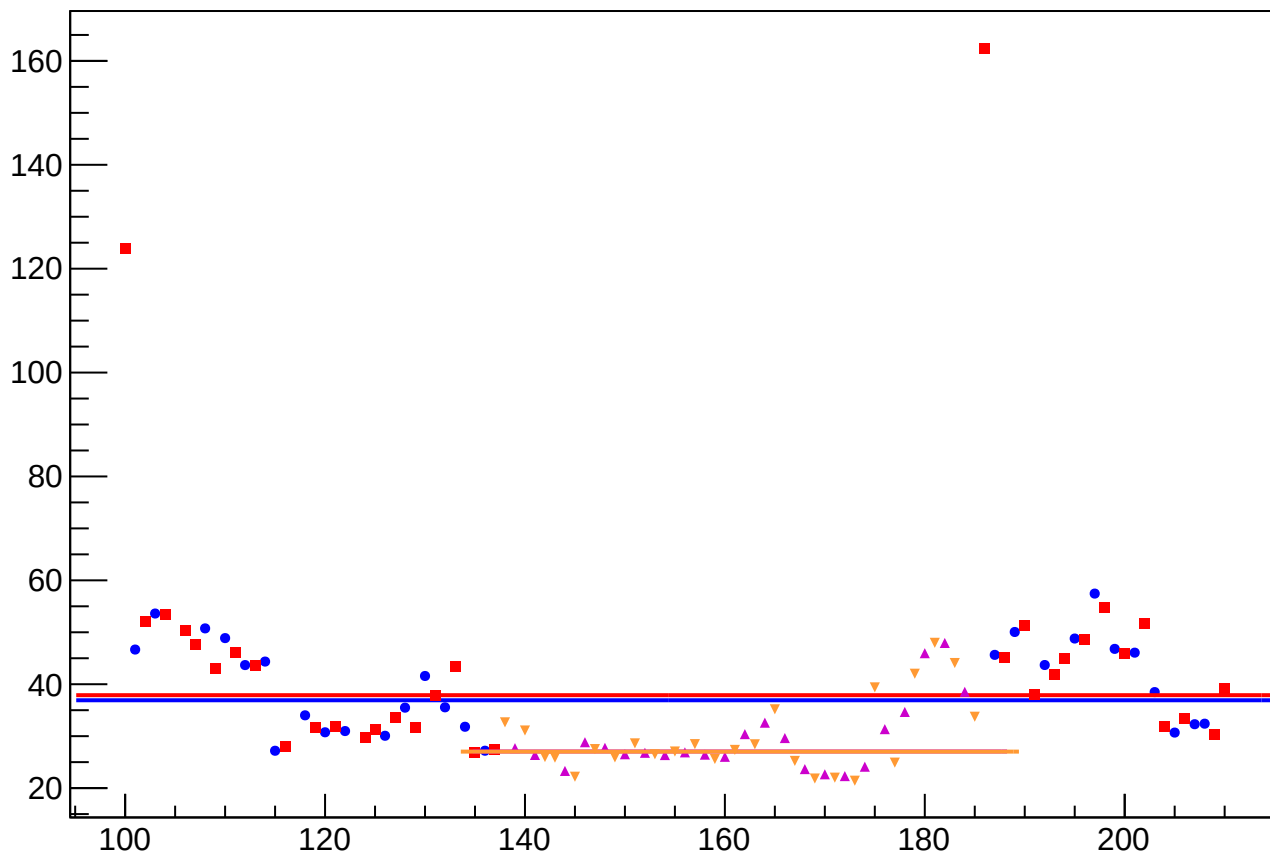
Left In: 12.697 ± 6.513 χ^2/NDF : 25.6/22

+ sign 4.970 ± 5.288 χ^2/NDF : 49.7/51

All: 5.935 ± 3.754 χ^2/NDF : 129.3/107

- sign 6.915 ± 5.330 χ^2/NDF : 79.5/55

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.912 $\pm$ 0.007 χ^2 /NDF: 1432155.8/26

Left Out: 27.026 $\pm$ 0.004 χ^2 /NDF:1430523.7/24

Right Out: 37.889 $\pm$ 0.007 χ^2 /NDF: 2074863.9/32

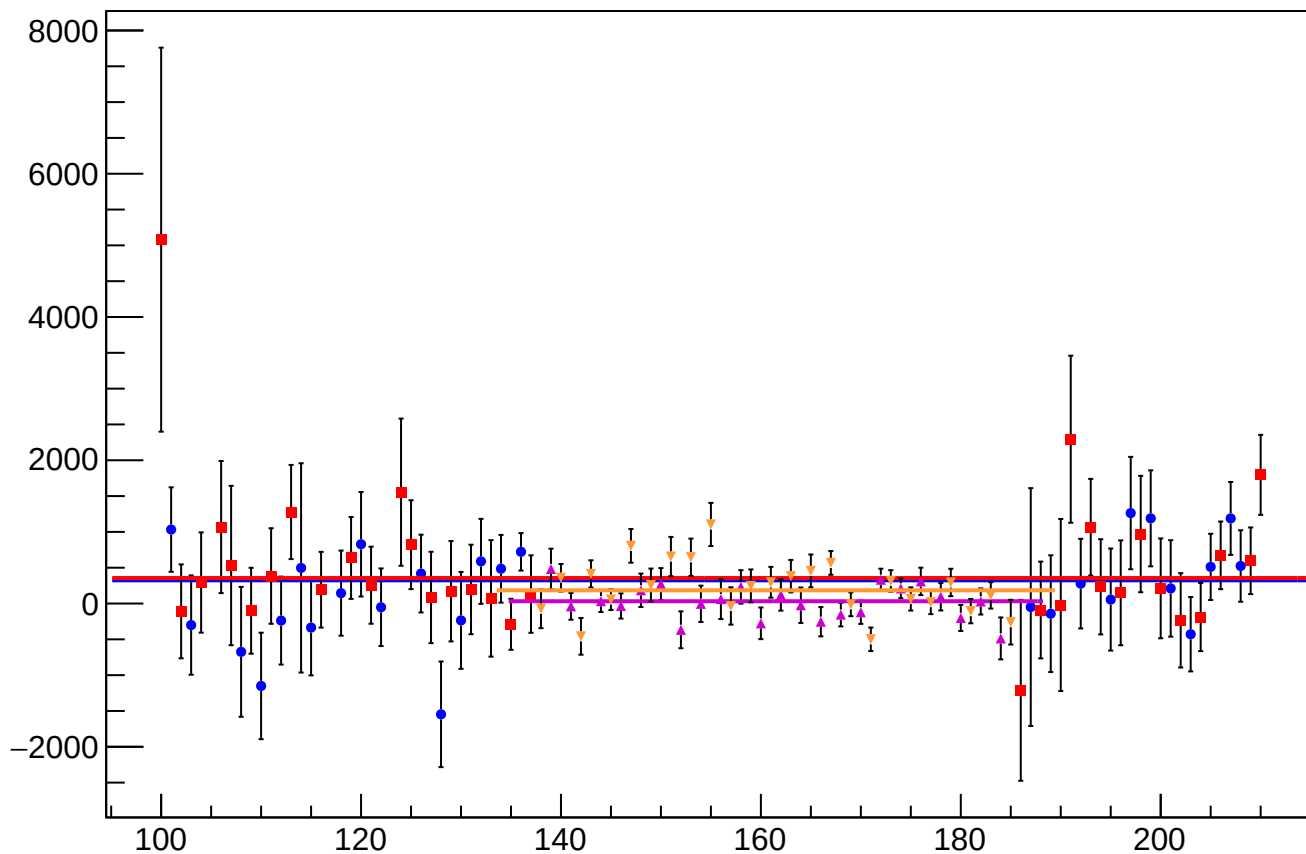
Left In: 27.052 $\pm$ 0.005 χ^2 /NDF:1044359.4/22

+ sign 30.020 $\pm$ 0.004 χ^2 /NDF: 4338257.1/51

All: 30.324 $\pm$ 0.003 χ^2 /NDF: 9300159.4/107

- sign 30.633 $\pm$ 0.004 χ^2 /NDF: 4948570.3/55

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 324.082 ± 112.126 χ^2/NDF : 29.0/26

Left Out: 184.675 ± 39.832 χ^2/NDF : 67.7/24

Right Out: 355.797 ± 111.413 χ^2/NDF : 29.1/32

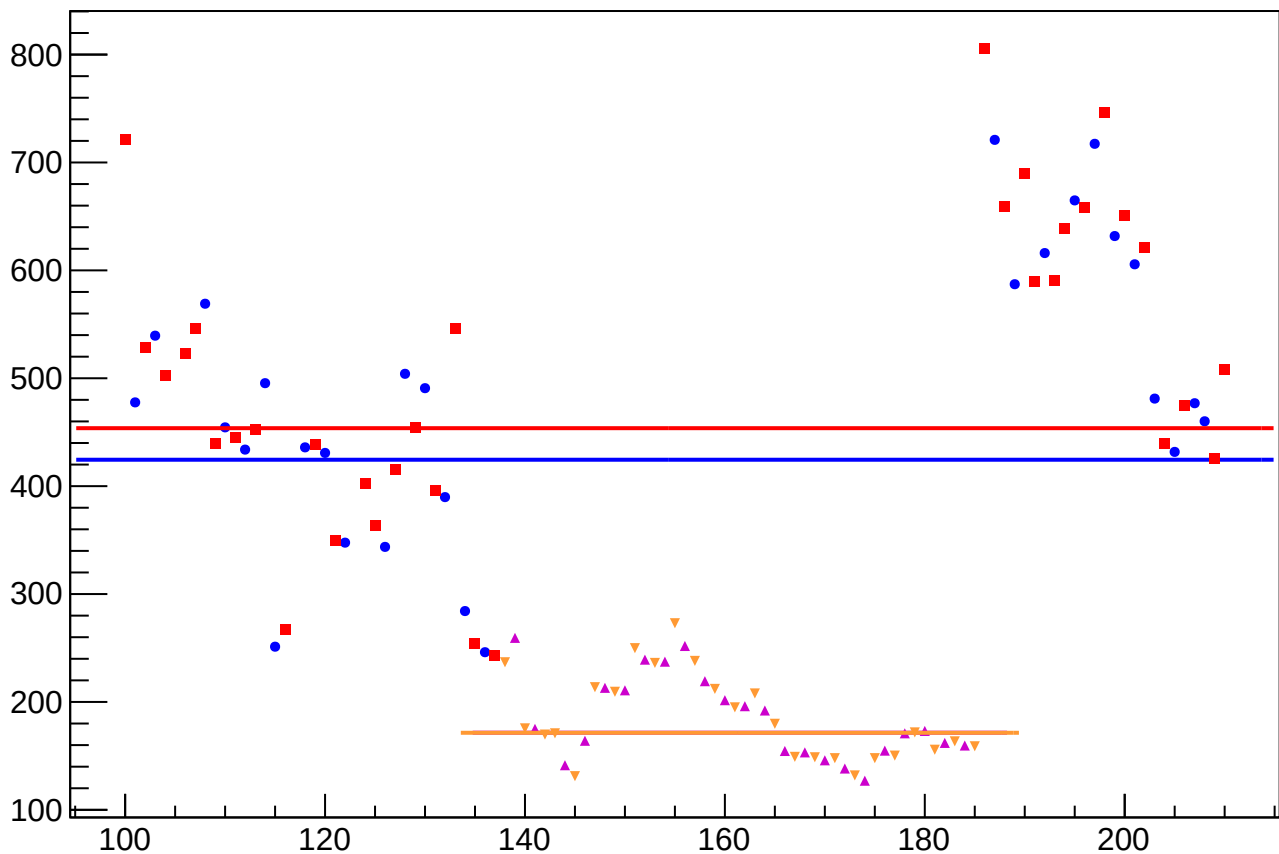
Left In: 31.891 ± 40.975 χ^2/NDF : 26.4/22

+ sign 200.296 ± 37.534 χ^2/NDF : 98.1/51

All: 136.965 ± 26.861 χ^2/NDF : 166.9/107

- sign 70.482 ± 38.457 χ^2/NDF : 63.0/55

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 424.489 ± 0.079 χ^2/NDF : 2735577.6/26

Left Out: 171.427 ± 0.028 χ^2/NDF : 1526852.0/24

Right Out: 453.735 ± 0.079 χ^2/NDF : 2854606.9/32

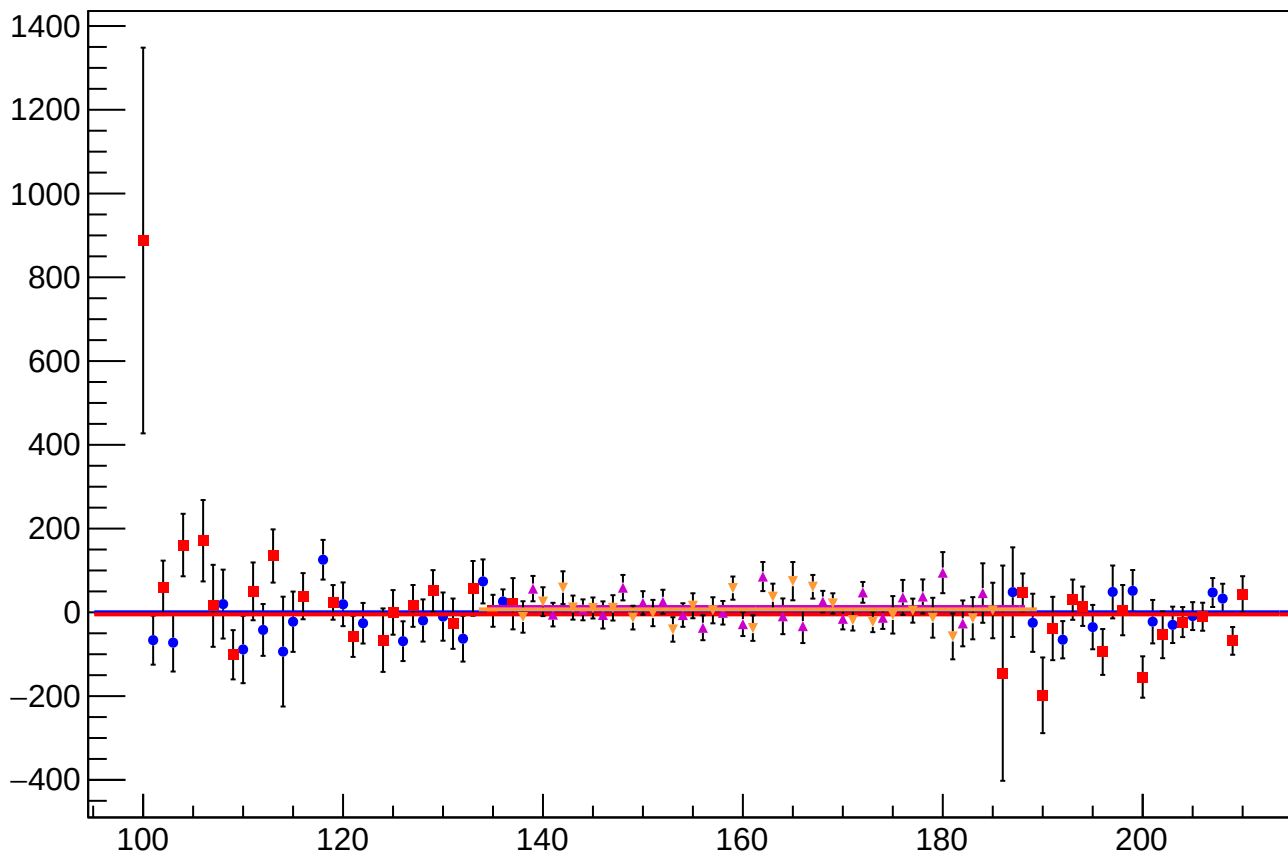
Left In: 171.490 ± 0.029 χ^2/NDF : 1415769.4/22

+ sign 199.784 ± 0.027 χ^2/NDF : 13308408.4/51

All: 202.386 ± 0.019 χ^2/NDF : 28904607.0/10

- sign 205.117 ± 0.027 χ^2/NDF : 15576497.3/55

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.111 ± 9.609 χ^2/NDF : 26.6/26

Left Out: 7.079 ± 6.333 χ^2/NDF : 22.7/24

Right Out: -4.802 ± 9.272 χ^2/NDF : 51.5/32

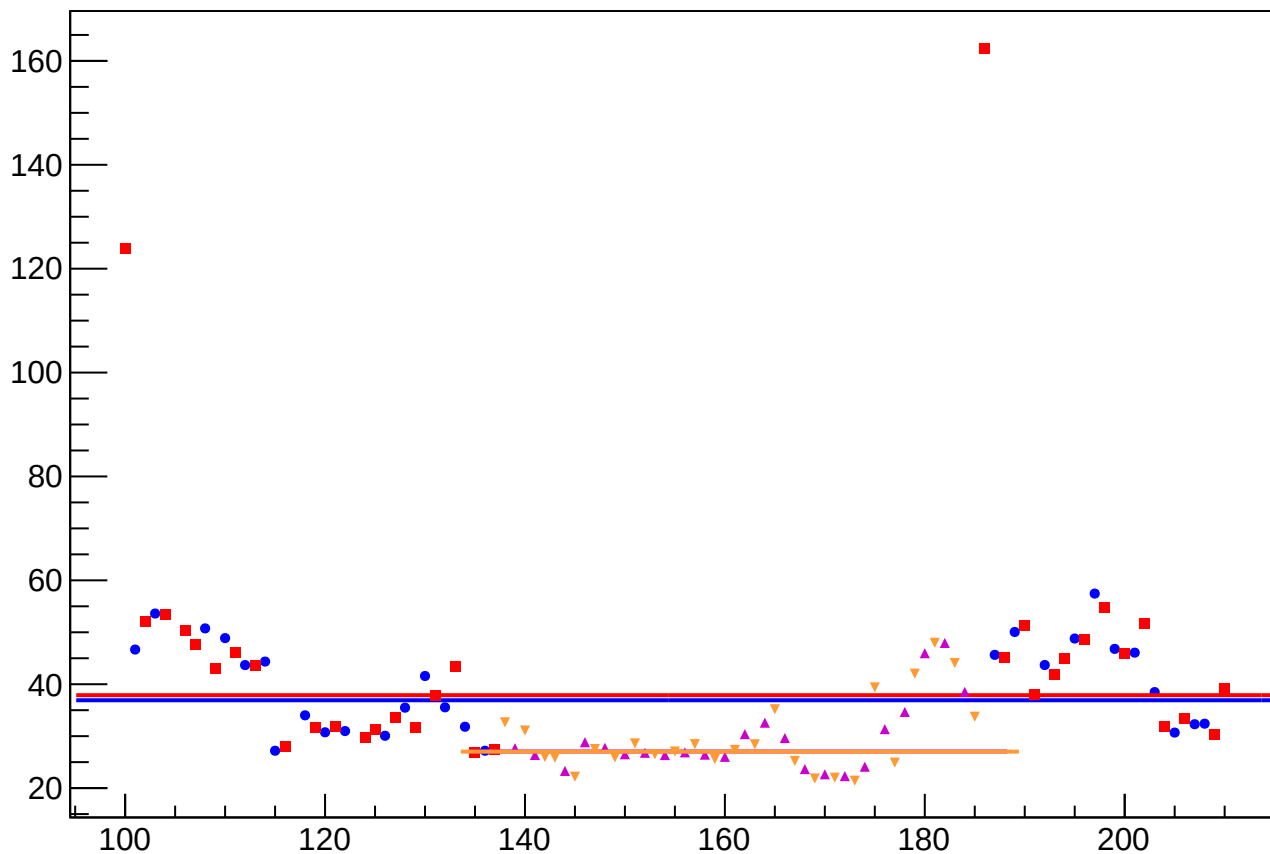
Left In: 12.697 ± 6.513 χ^2/NDF : 25.6/22

+ sign 4.969 ± 5.288 χ^2/NDF : 49.7/51

All: 5.934 ± 3.754 χ^2/NDF : 129.3/107

- sign 6.915 ± 5.330 χ^2/NDF : 79.5/55

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.911 $\pm$ 0.007 χ^2 /NDF: 1432127.0/26

Left Out: 27.026 $\pm$ 0.004 χ^2 /NDF:1430534.9/24

Right Out: 37.889 $\pm$ 0.007 χ^2 /NDF: 2074847.4/32

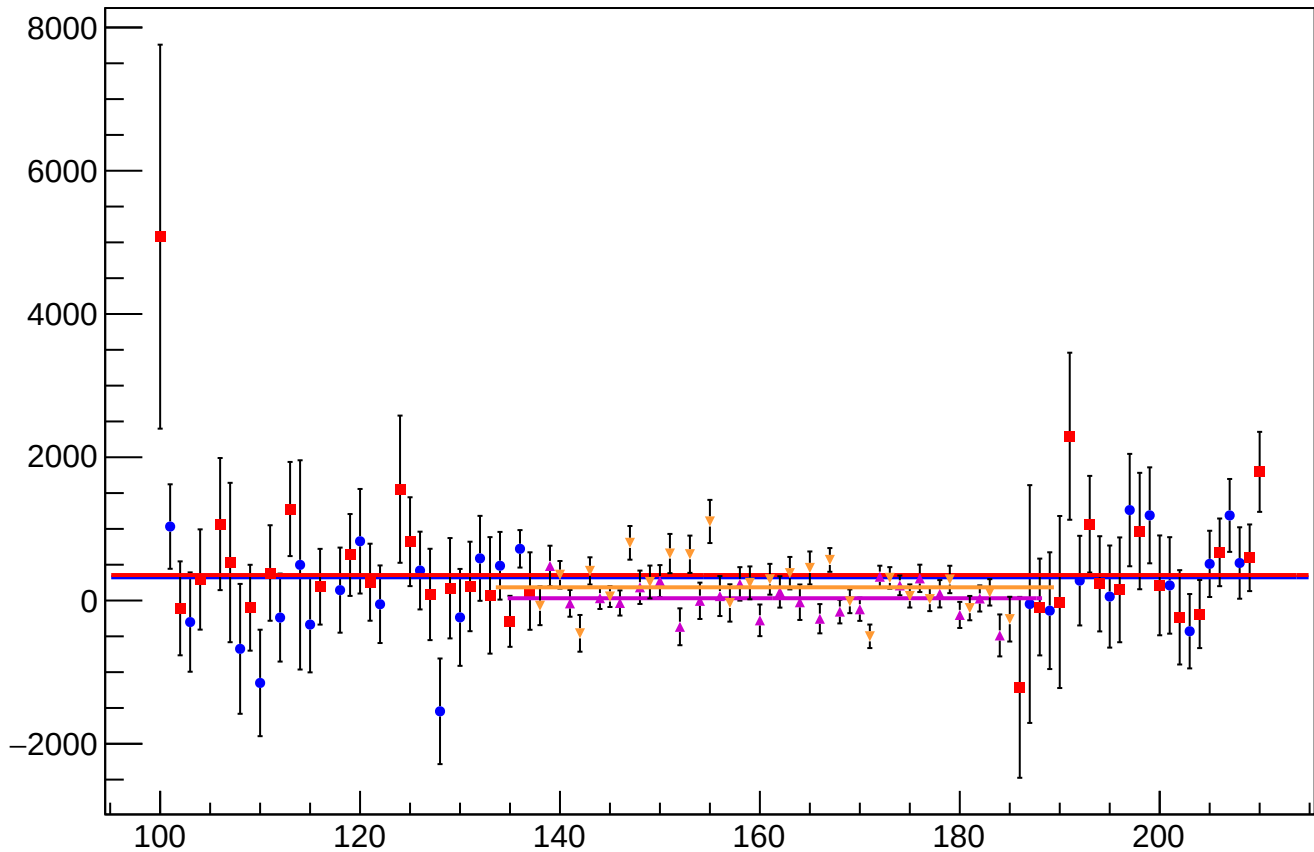
Left In: 27.052 $\pm$ 0.005 χ^2 /NDF:1044338.2/22

+ sign 30.020 $\pm$ 0.004 χ^2 /NDF: 4338158.8/51

All: 30.324 $\pm$ 0.003 χ^2 /NDF: 9299978.1/107

- sign 30.633 $\pm$ 0.004 χ^2 /NDF: 4948487.4/55

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 324.079 ± 112.126 χ^2/NDF : 29.0/26

Left Out: 184.674 ± 39.832 χ^2/NDF : 67.7/24

Right Out: 355.797 ± 111.413 χ^2/NDF : 29.1/32

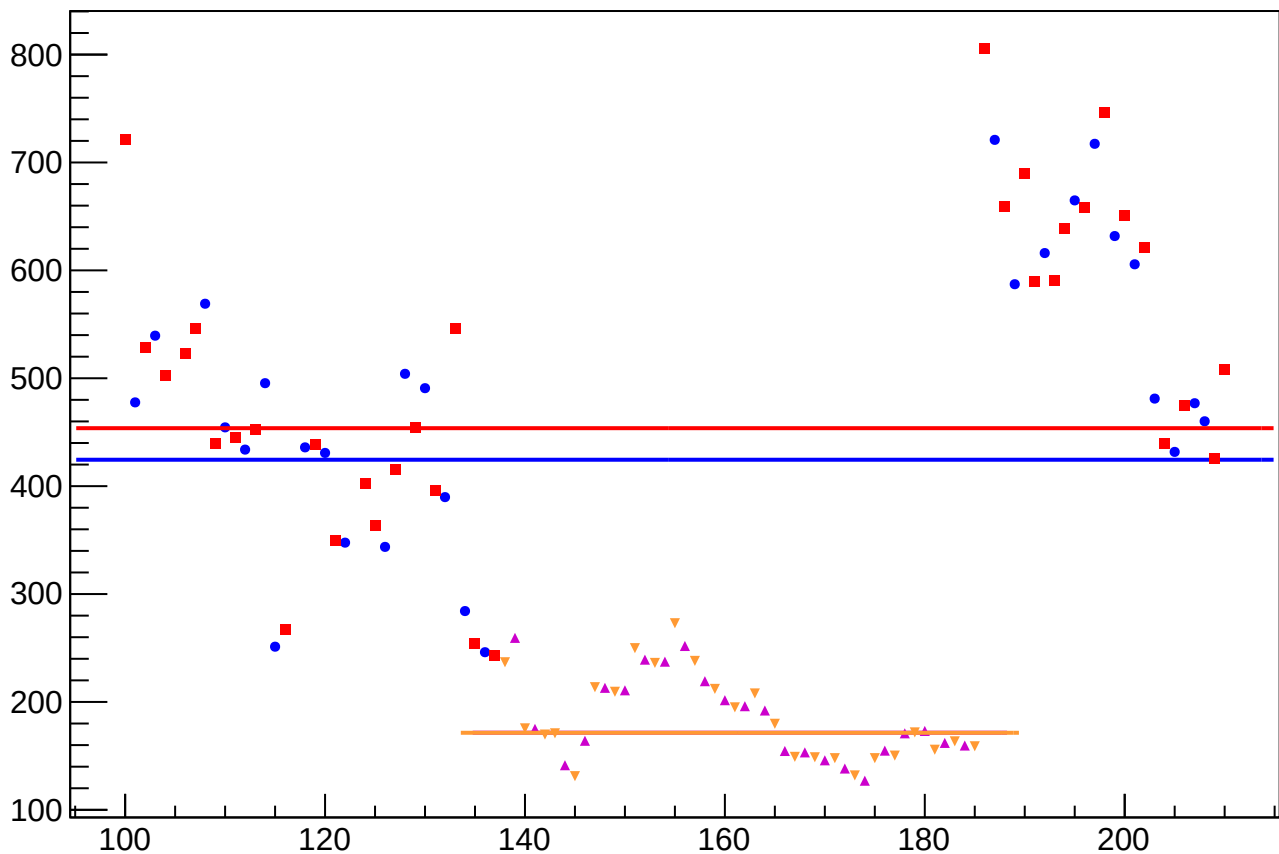
Left In: 31.891 ± 40.975 χ^2/NDF : 26.4/22

+ sign 200.295 ± 37.534 χ^2/NDF : 98.1/51

All: 136.964 ± 26.861 χ^2/NDF : 166.9/107

- sign 70.482 ± 38.456 χ^2/NDF : 63.0/55

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug



Right In: 424.488 $\pm$ 0.079 χ^2 /NDF: 2735585.1/26

Left Out: 171.426 $\pm$ 0.028 χ^2 /NDF:1526868.9/24

Right Out: 453.734 $\pm$ 0.079 χ^2 /NDF: 2854618.7/32

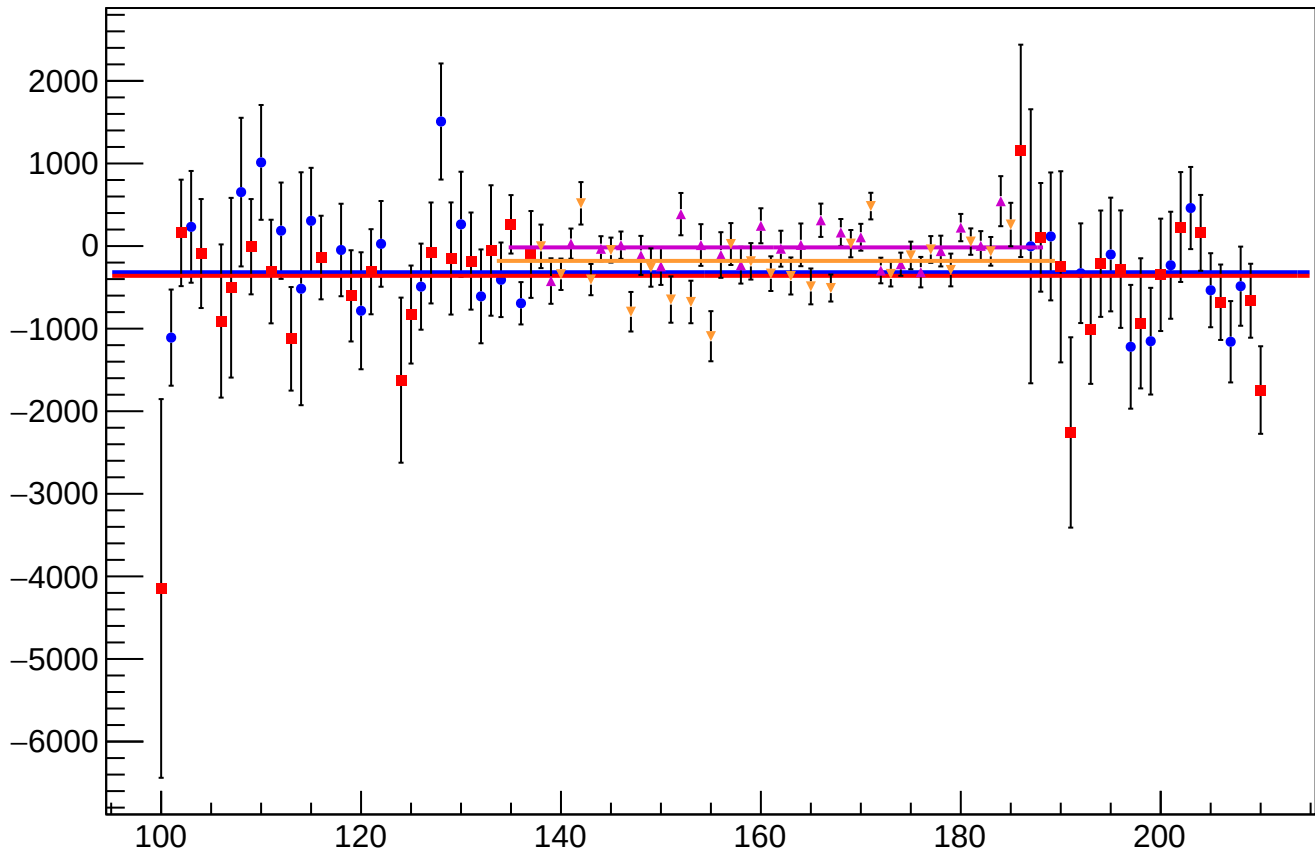
Left In: 171.489 $\pm$ 0.029 χ^2 /NDF:1415782.1/22

+ sign 199.783 $\pm$ 0.027 χ^2 /NDF: 13308451.4/51

All: 202.385 $\pm$ 0.019 χ^2 /NDF: 28904708.4/10

- sign 205.117 $\pm$ 0.027 χ^2 /NDF: 15576556.5/55

asym_sam_1357_2468_dd_mean vs Slug



Right In: -316.817 ± 108.133 χ^2/NDF : 29.6/26

Left Out: -179.656 ± 39.364 χ^2/NDF : 67.1/24

Right Out: -360.500 ± 107.845 χ^2/NDF : 28.3/32

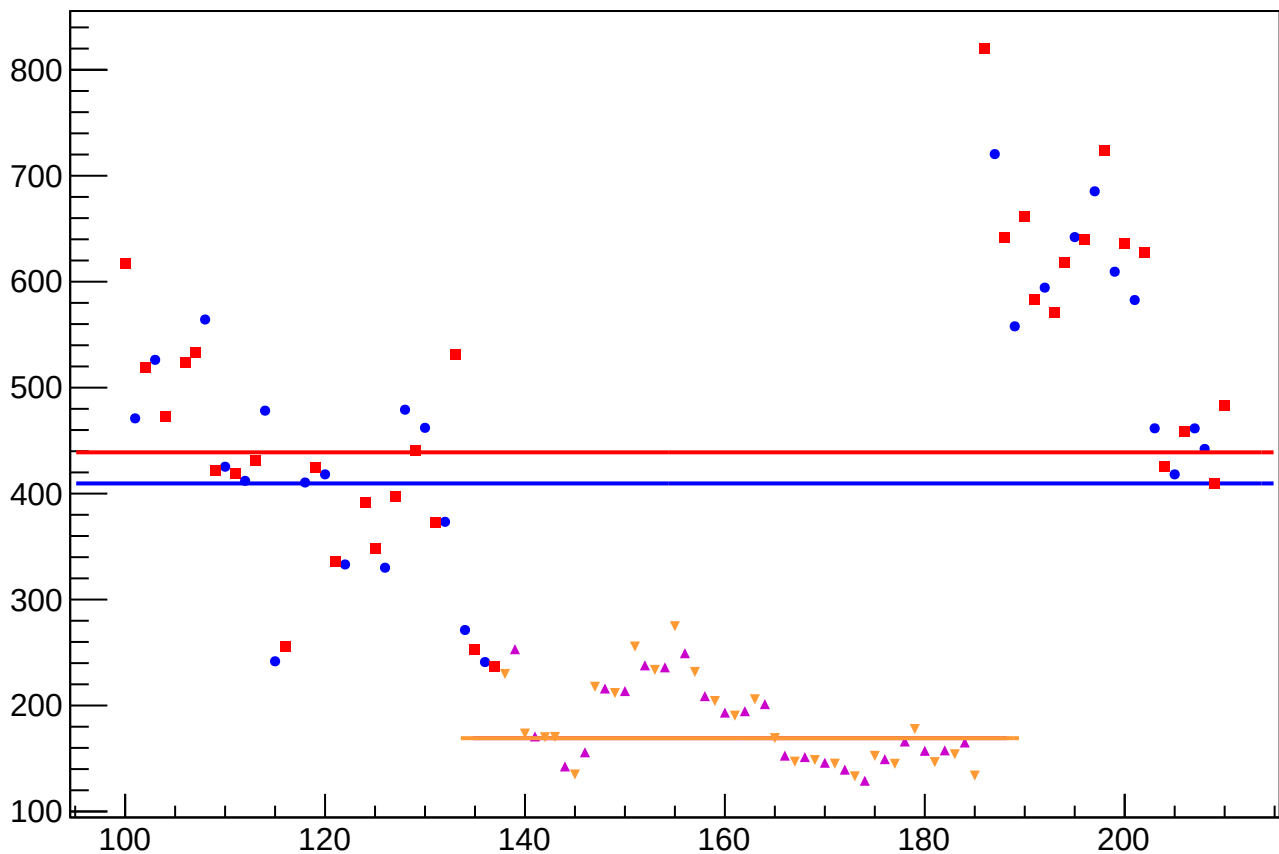
Left In: -16.057 ± 40.396 χ^2/NDF : 26.6/22

+ sign -195.705 ± 36.989 χ^2/NDF : 98.1/51

All: -128.614 ± 26.447 χ^2/NDF : 168.7/107

- sign -58.439 ± 37.829 χ^2/NDF : 63.9/55

asym_sam_1357_2468_dd_rms vs Slug



Right In: 409.593+/-0.076 χ^2/NDF : 2685440.0/26

Left Out: 169.182+/-0.028 χ^2/NDF :1547748.9/24

Right Out: 438.941+/-0.076 χ^2/NDF : 2877799.9/32

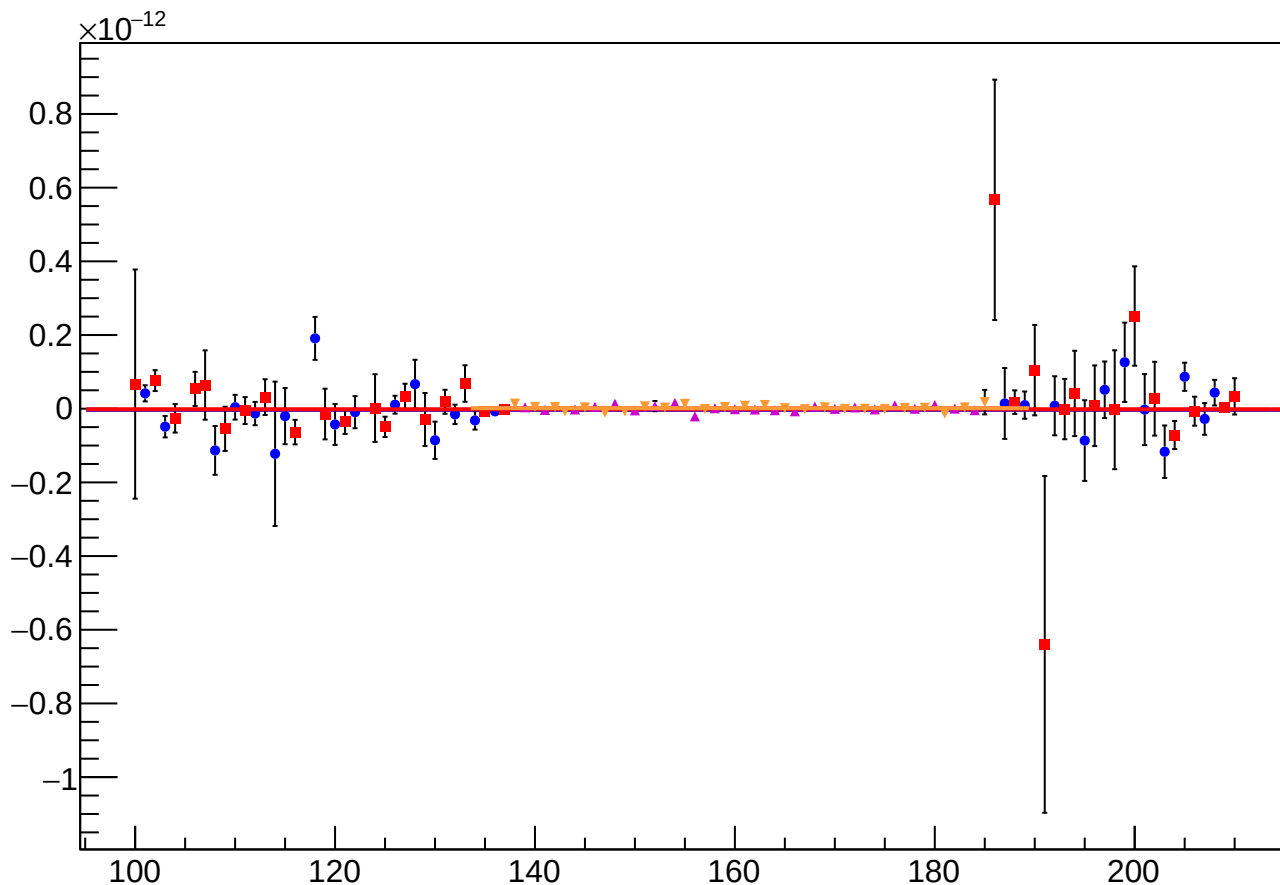
Left In: 169.187+/-0.029 χ^2/NDF :1374439.5/22

+ sign 197.312+/-0.026 χ^2/NDF : 12962462.6/51

All: 199.789+/-0.019 χ^2/NDF : 28206559.5/10

- sign 202.379+/-0.027 χ^2/NDF : 15225758.4/55

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 40.4/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:18.8/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.4/32

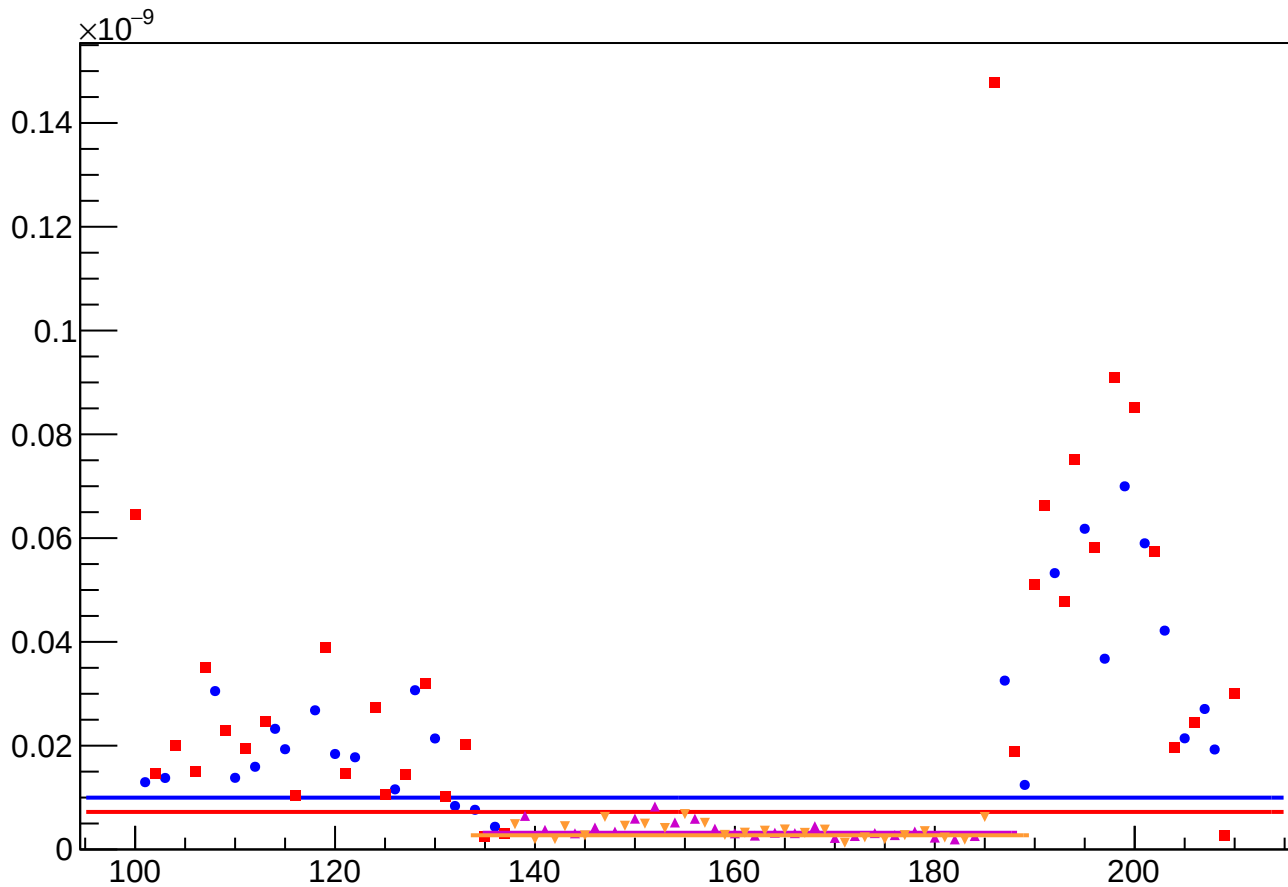
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.9/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 117.4/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 57.5/55

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 5770771.2/26

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1923193.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9188427.4/32

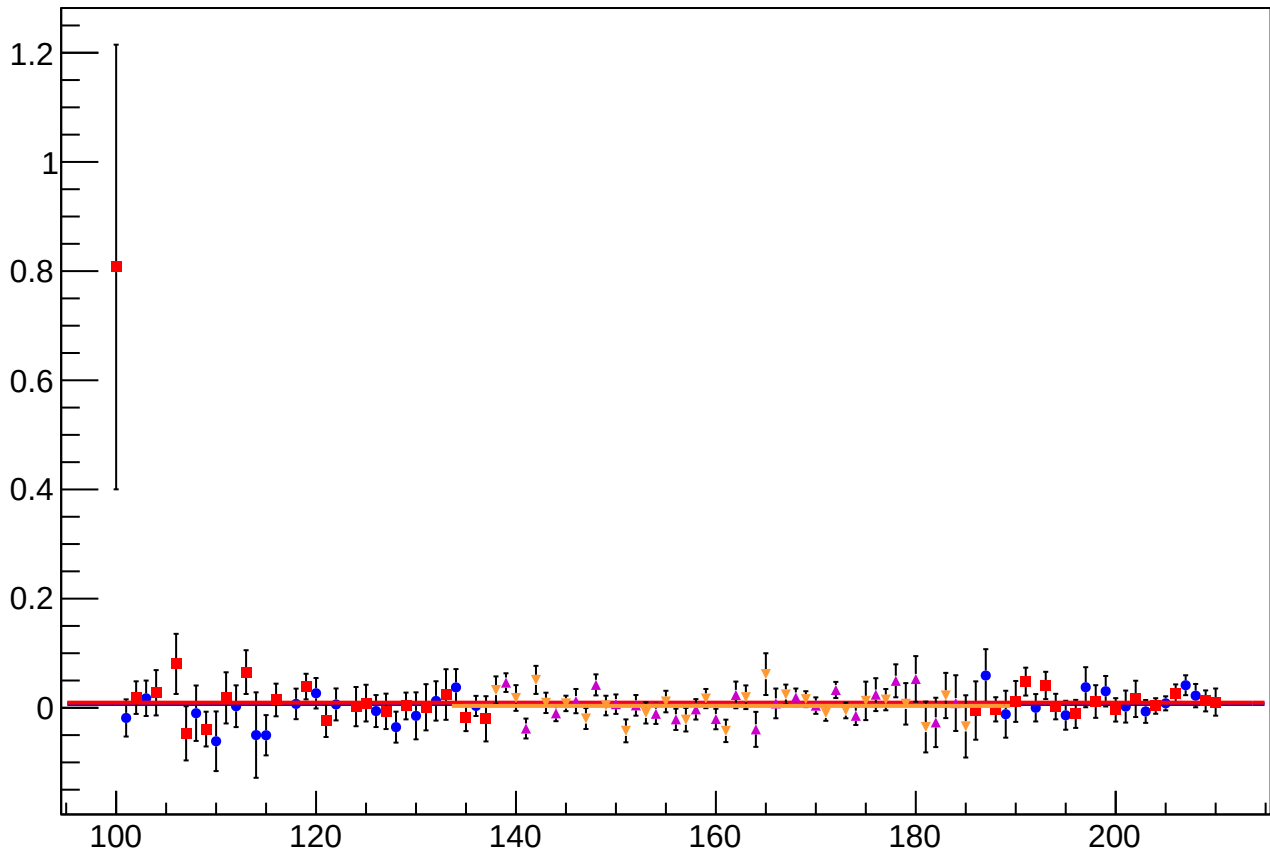
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1355602.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 11167710.2/51

All: 0.000 $\pm$ 0.000 χ^2/NDF : 23288103.7/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 11966710.4/55

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.005 χ^2/NDF : 17.3/26

Left Out: 0.003 ± 0.004 χ^2/NDF : 26.9/24

Right Out: 0.009 ± 0.005 χ^2/NDF : 22.9/32

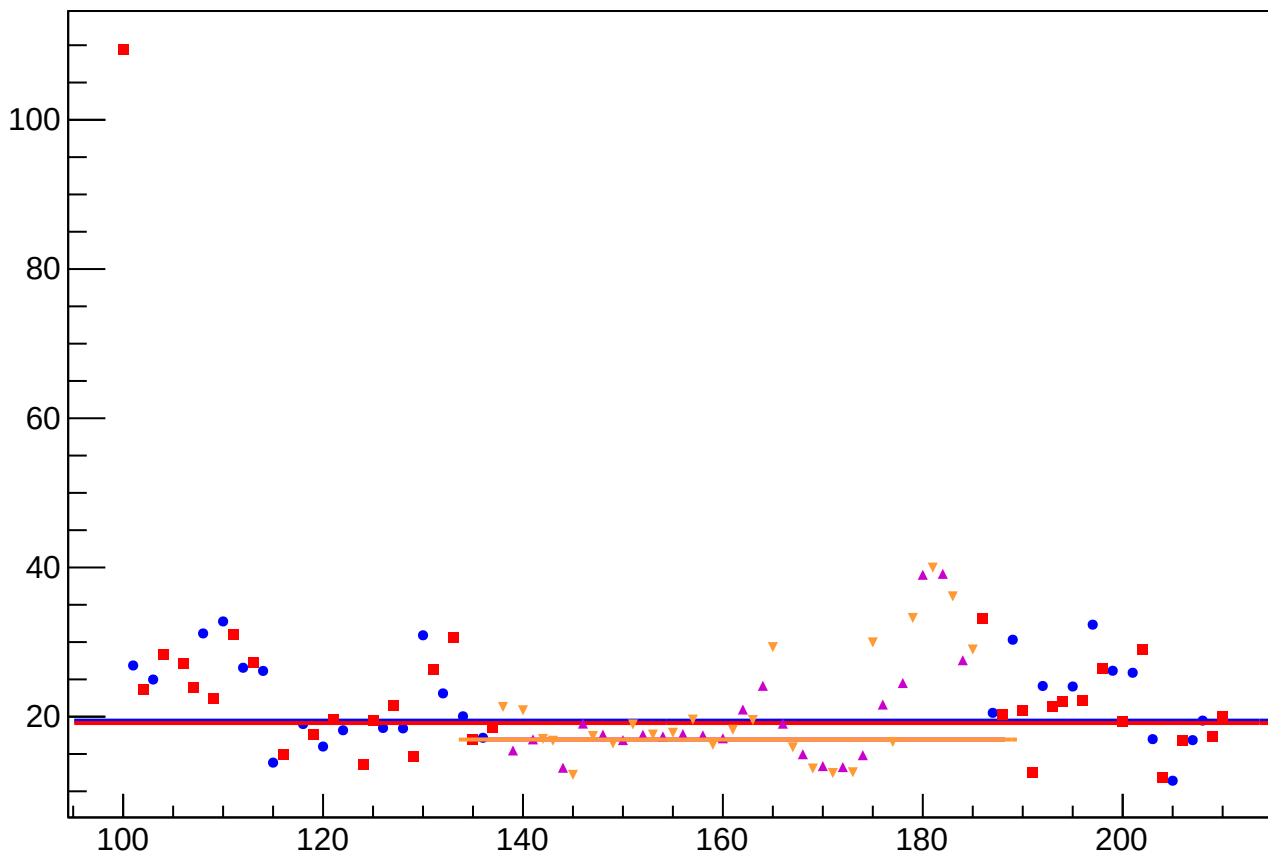
Left In: 0.005 ± 0.004 χ^2/NDF : 33.2/22

+ sign 0.005 ± 0.003 χ^2/NDF : 44.6/51

All: 0.006 ± 0.002 χ^2/NDF : 101.4/107

- sign 0.007 ± 0.003 χ^2/NDF : 56.5/55

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.472 $\pm$ 0.004 χ^2 /NDF: 2301623.7/26

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836877.8/24

Right Out: 19.149 $\pm$ 0.003 χ^2 /NDF: 2133718.9/32

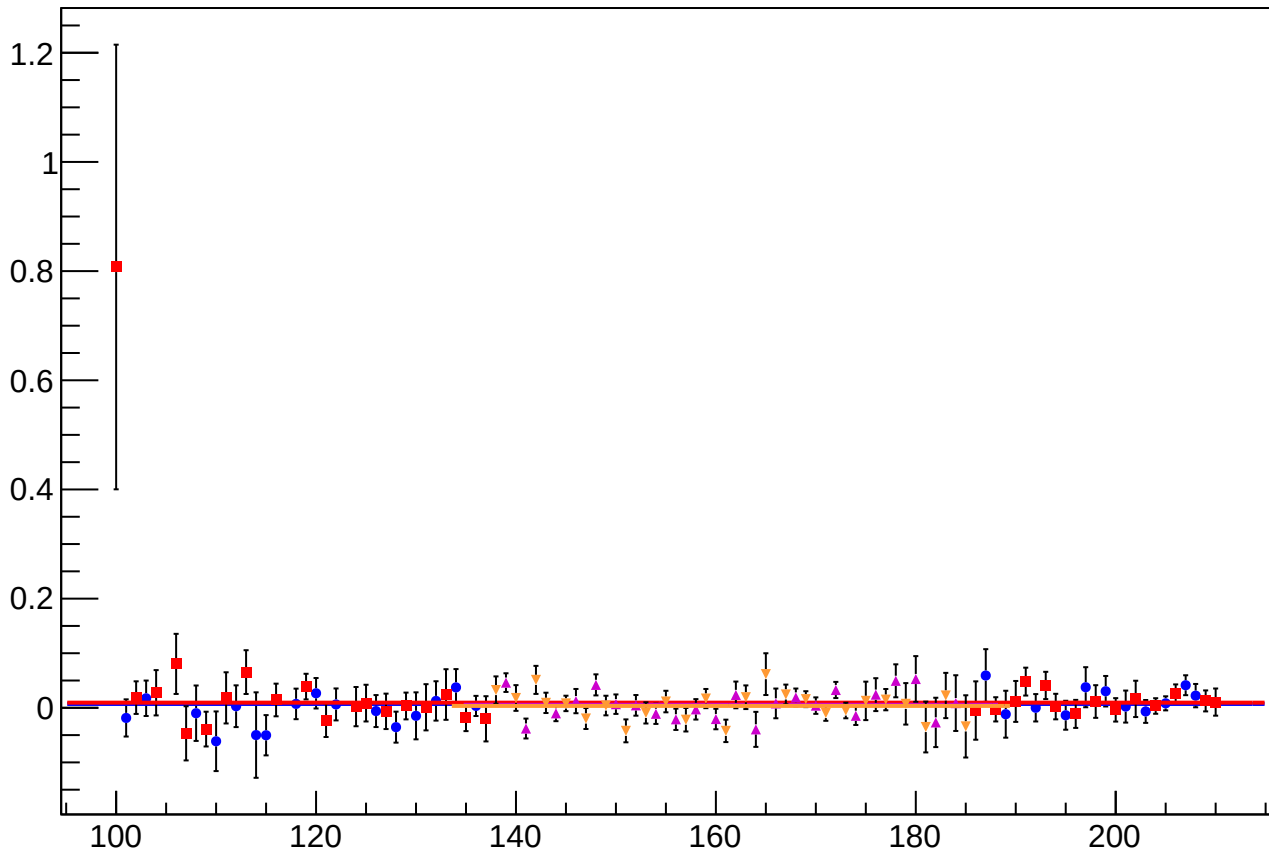
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941845.2/22

+ sign 17.892 $\pm$ 0.002 χ^2 /NDF: 5427030.3/51

All: 17.889 $\pm$ 0.002 χ^2 /NDF: 9739563.5/107

- sign 17.886 $\pm$ 0.002 χ^2 /NDF: 4312529.9/55

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.005 χ^2/NDF : 17.3/26

Left Out: 0.003 ± 0.004 χ^2/NDF : 26.9/24

Right Out: 0.009 ± 0.005 χ^2/NDF : 22.9/32

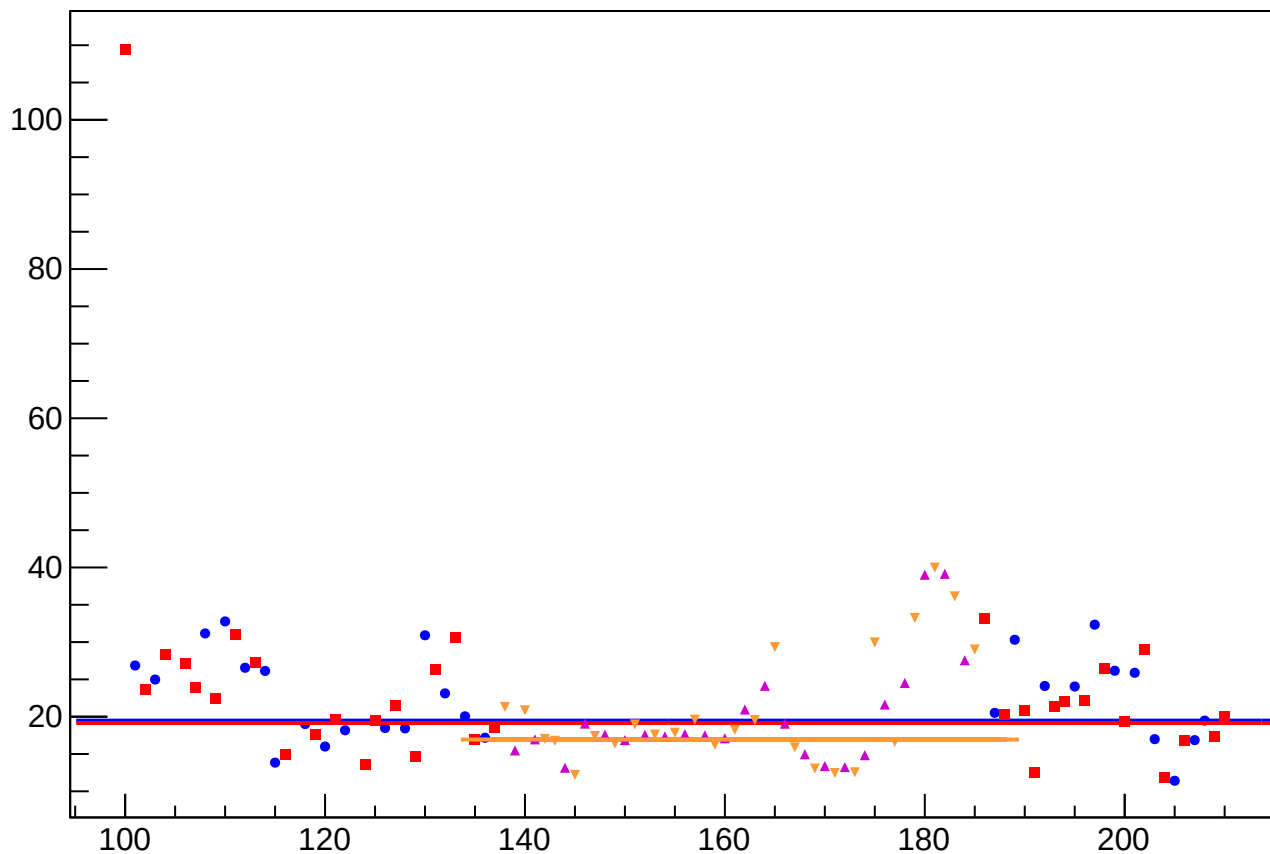
Left In: 0.005 ± 0.004 χ^2/NDF : 33.2/22

+ sign 0.005 ± 0.003 χ^2/NDF : 44.6/51

All: 0.006 ± 0.002 χ^2/NDF : 101.4/107

- sign 0.007 ± 0.003 χ^2/NDF : 56.5/55

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 19.472 $\pm$ 0.004 χ^2 /NDF: 2301623.7/26

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836877.8/24

Right Out: 19.149 $\pm$ 0.003 χ^2 /NDF: 2133718.9/32

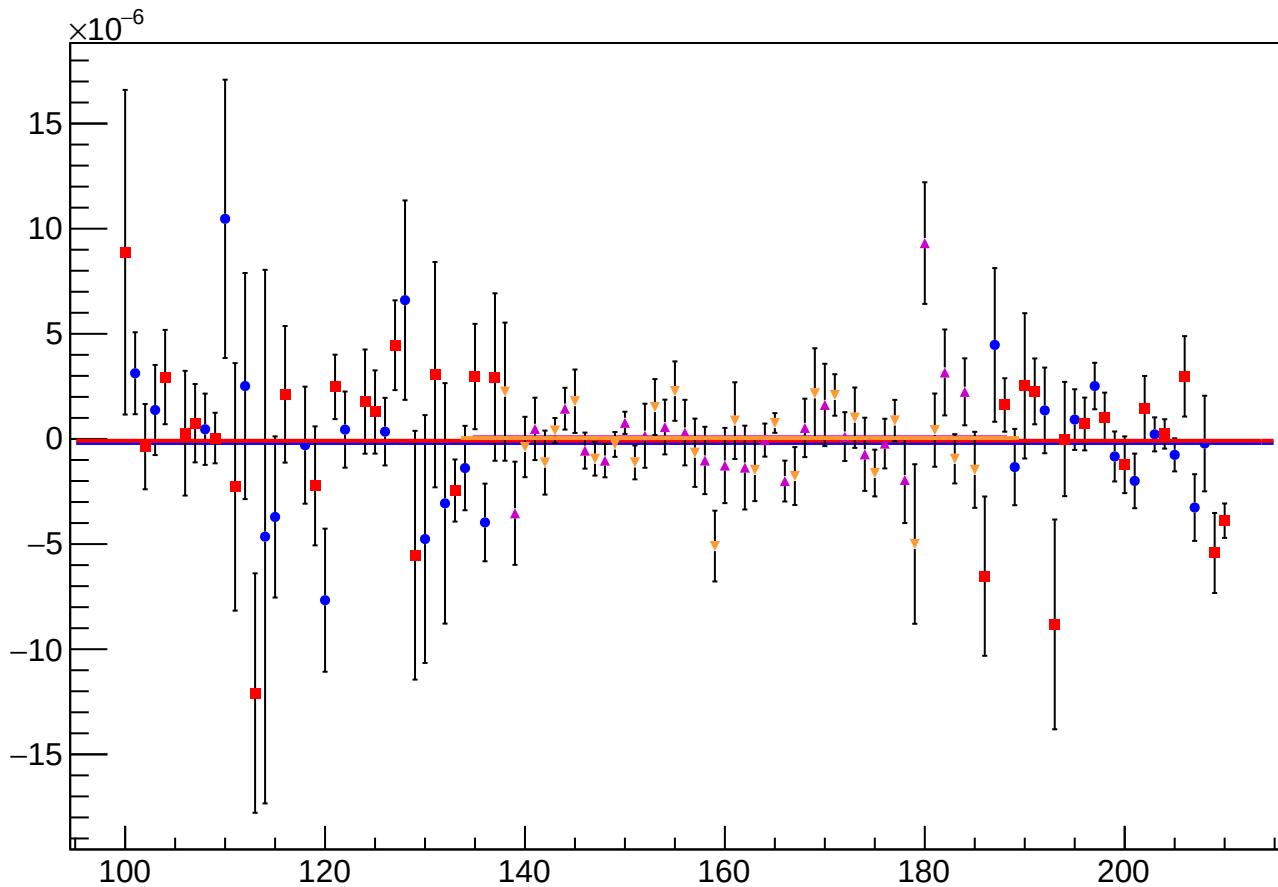
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941845.2/22

+ sign 17.892 $\pm$ 0.002 χ^2 /NDF: 5427030.3/51

All: 17.889 $\pm$ 0.002 χ^2 /NDF: 9739563.5/107

- sign 17.886 $\pm$ 0.002 χ^2 /NDF: 4312529.9/55

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 35.8/26

Left Out: 0.000 ± 0.000 χ^2/NDF : 37.2/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 69.0/32

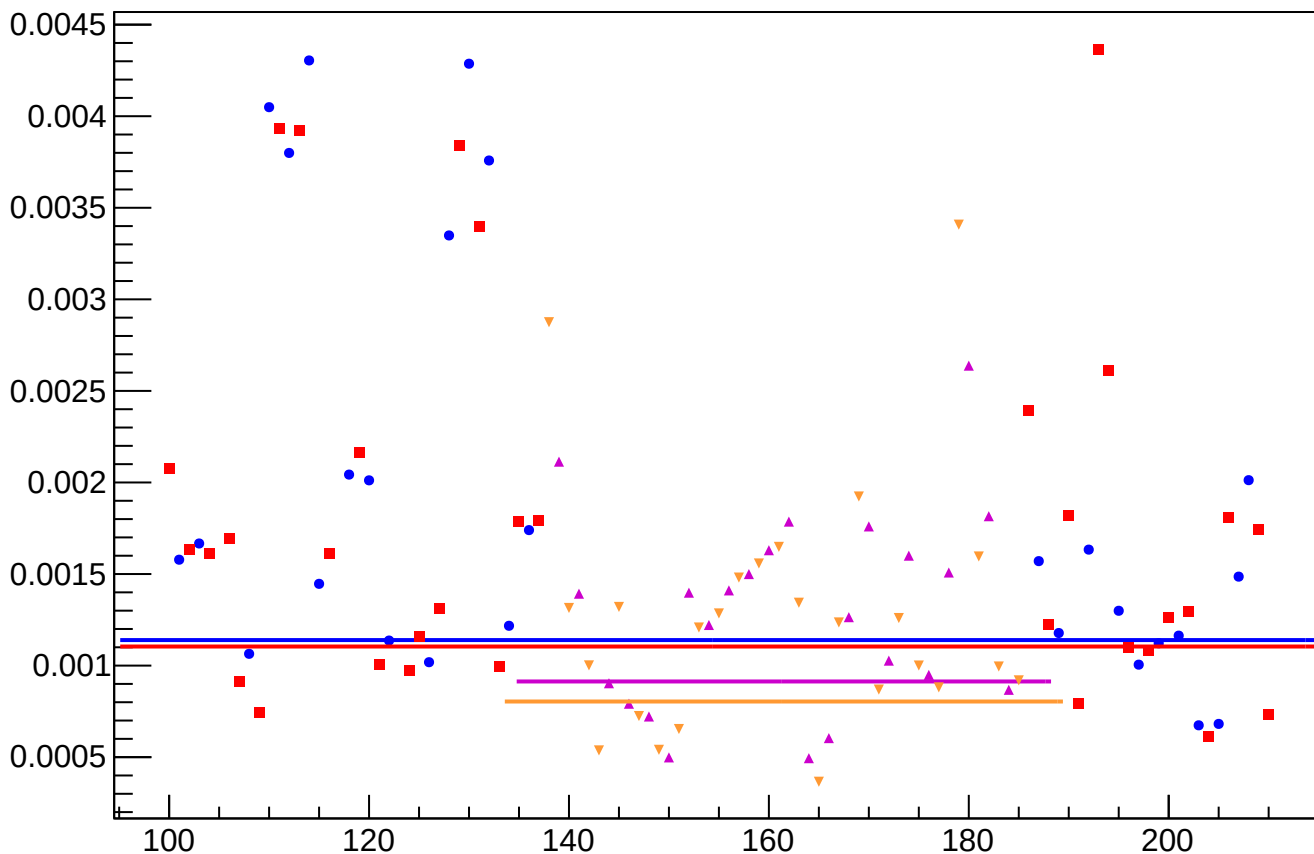
Left In: 0.000 ± 0.000 χ^2/NDF : 31.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 73.4/51

All: -0.000 ± 0.000 χ^2/NDF : 173.6/107

- sign 0.000 ± 0.000 χ^2/NDF : 100.2/55

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 5163189.6/26

Left Out: 0.001+/-0.000 χ^2/NDF : 8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF : 6710734.4/32

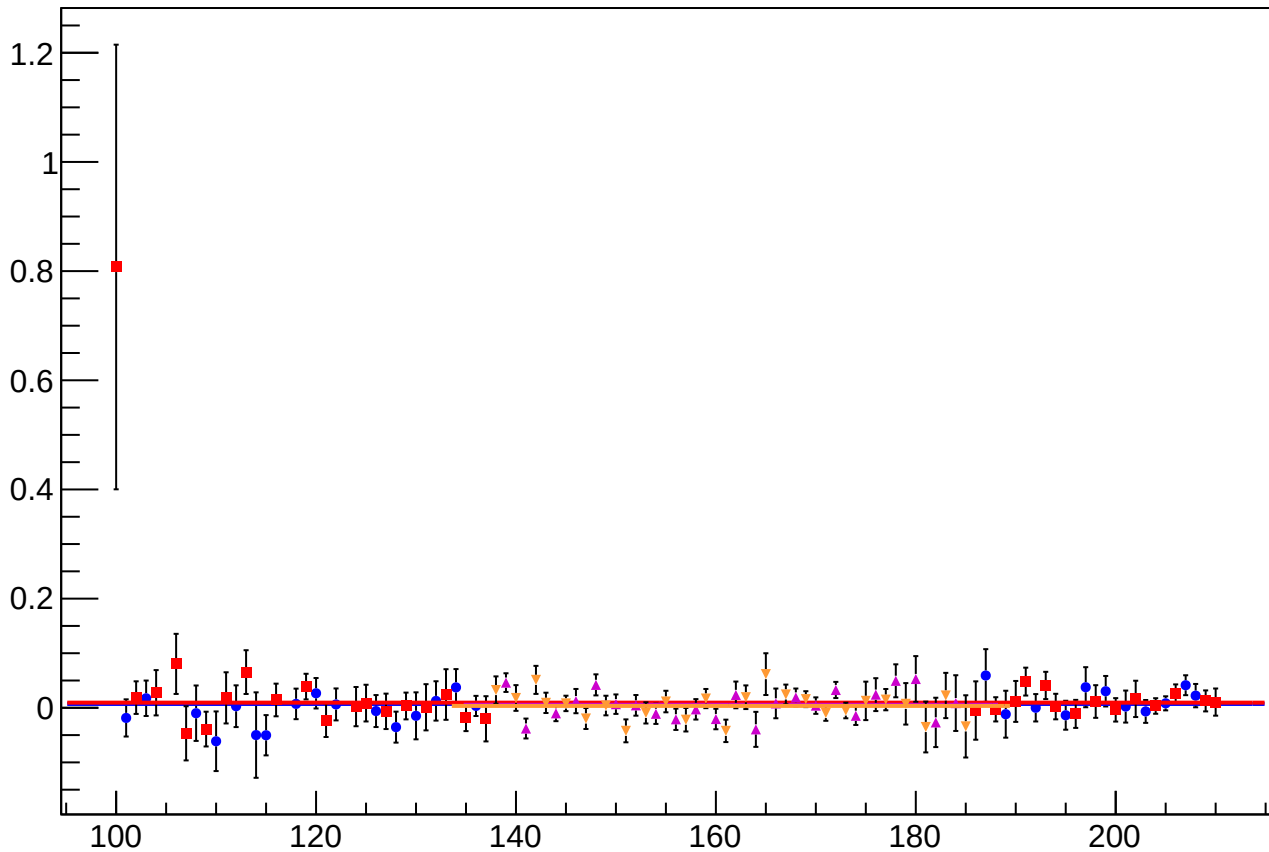
Left In: 0.001+/-0.000 χ^2/NDF : 6446479.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 14931434.8/51

All: 0.001+/-0.000 χ^2/NDF : 28819619.2/107

- sign 0.001+/-0.000 χ^2/NDF : 13652258.5/55

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.005 χ^2/NDF : 17.3/26

Left Out: 0.003 ± 0.004 χ^2/NDF : 26.9/24

Right Out: 0.009 ± 0.005 χ^2/NDF : 22.9/32

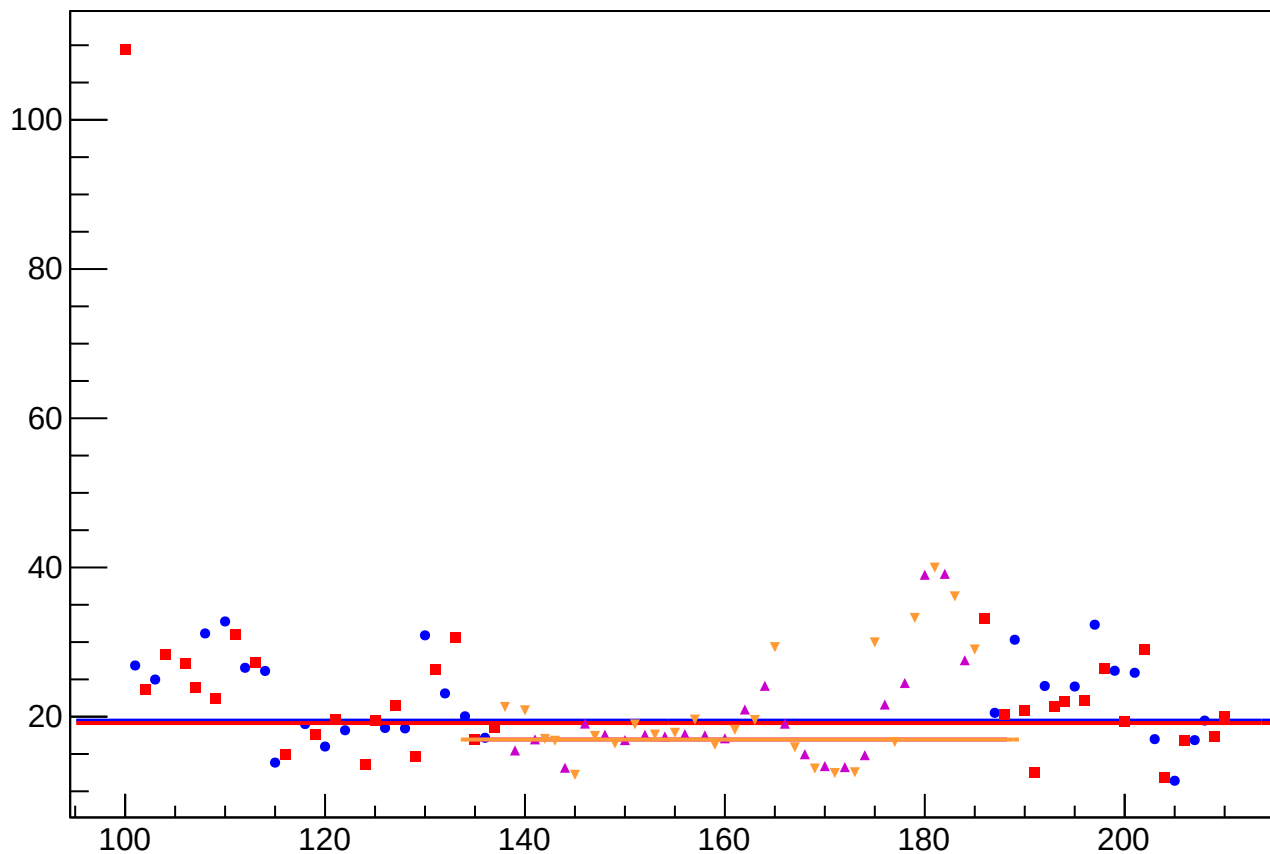
Left In: 0.005 ± 0.004 χ^2/NDF : 33.2/22

+ sign 0.005 ± 0.003 χ^2/NDF : 44.6/51

All: 0.006 ± 0.002 χ^2/NDF : 101.4/107

- sign 0.007 ± 0.003 χ^2/NDF : 56.5/55

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 19.472 $\pm$ 0.004 χ^2 /NDF: 2301622.0/26

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836863.1/24

Right Out: 19.149 $\pm$ 0.003 χ^2 /NDF: 2133744.3/32

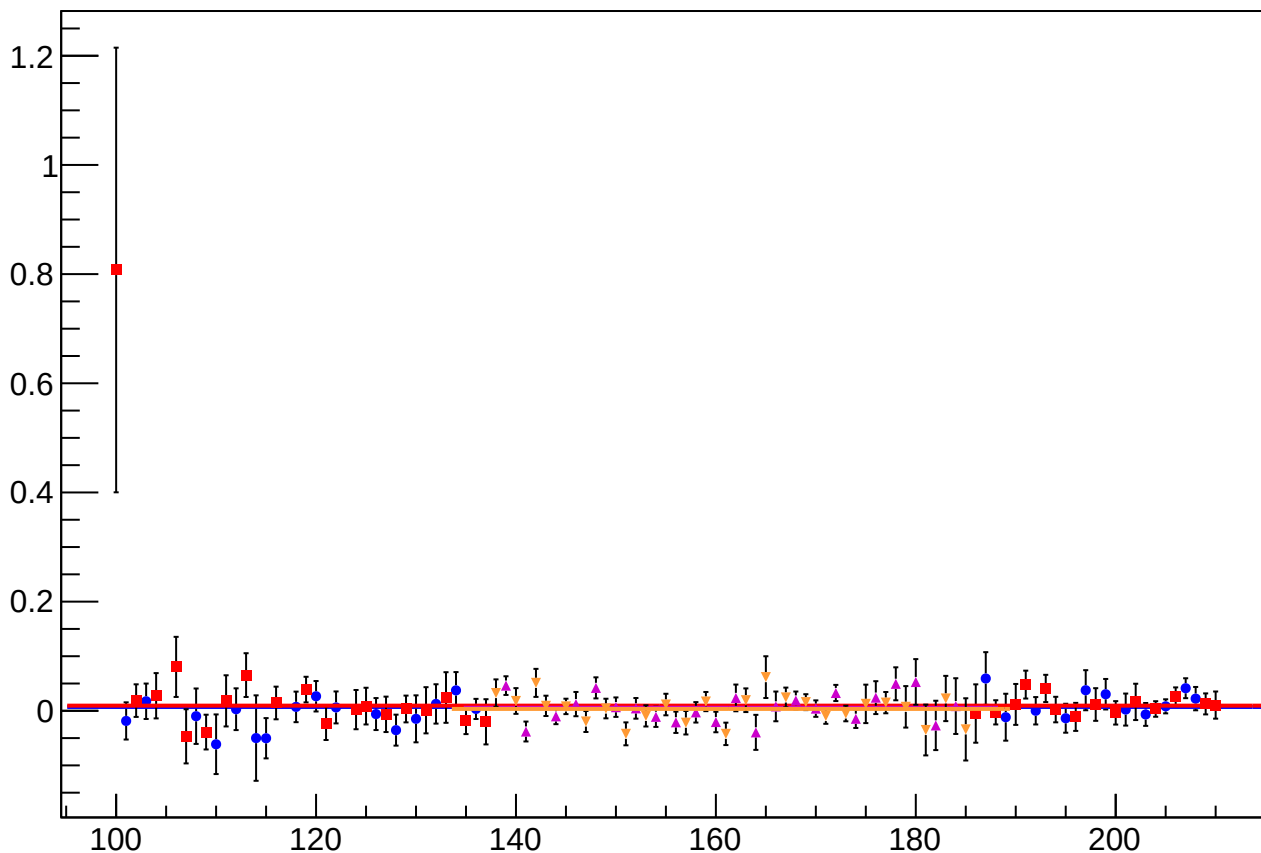
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941834.9/22

+ sign 17.892 $\pm$ 0.002 χ^2 /NDF: 5426919.0/51

All: 17.889 $\pm$ 0.002 χ^2 /NDF: 9739420.1/107

- sign 17.886 $\pm$ 0.002 χ^2 /NDF: 4312497.8/55

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 $\pm$ 0.005 χ^2 /NDF: 17.3/26

Left Out: 0.003 $\pm$ 0.004 χ^2 /NDF:26.9/24

Right Out: 0.009 $\pm$ 0.005 χ^2 /NDF: 22.9/32

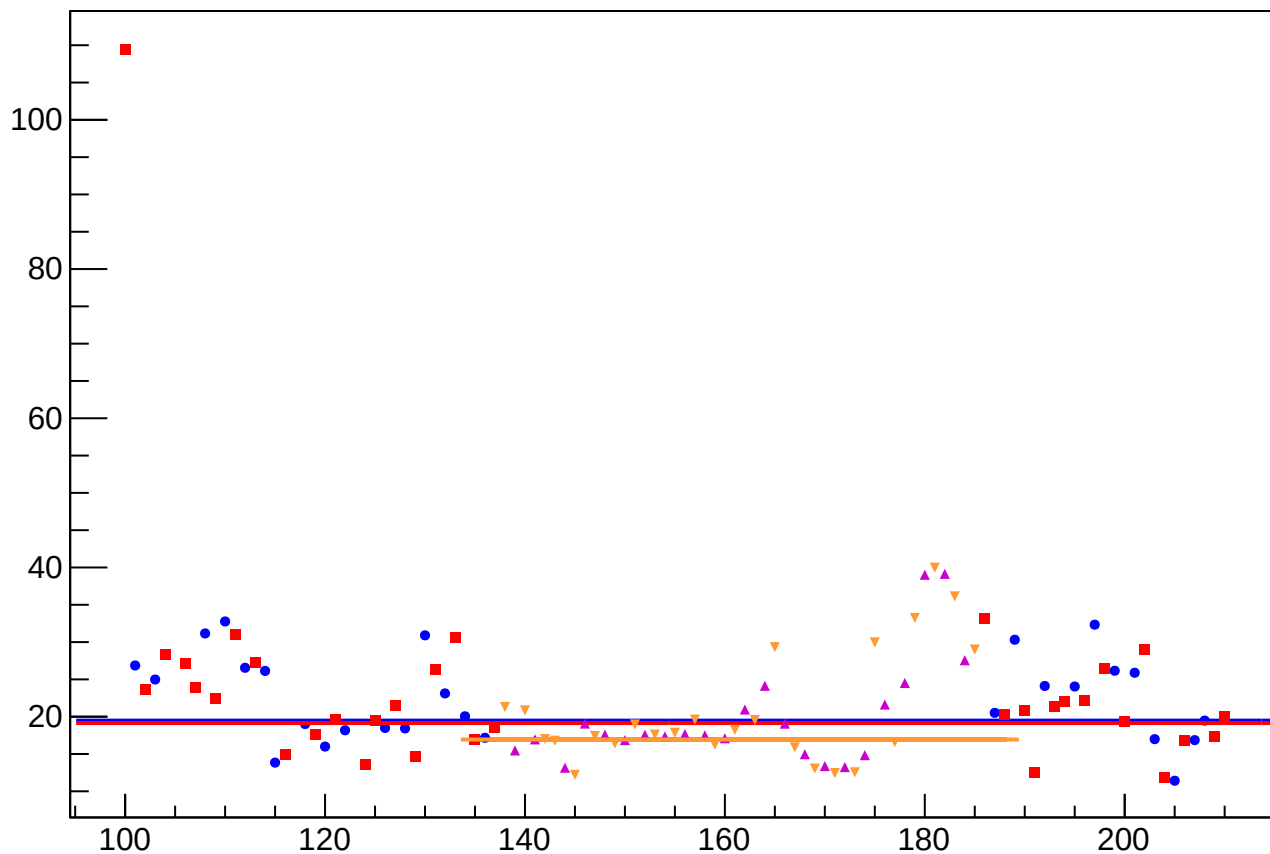
Left In: 0.005 $\pm$ 0.004 χ^2 /NDF:33.2/22

+ sign 0.005 $\pm$ 0.003 χ^2 /NDF: 44.6/51

All: 0.006 $\pm$ 0.002 χ^2 /NDF: 101.4/107

- sign 0.007 $\pm$ 0.003 χ^2 /NDF: 56.5/55

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 19.472 $\pm$ 0.004 χ^2 /NDF: 2301622.0/26

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836863.1/24

Right Out: 19.149 $\pm$ 0.003 χ^2 /NDF: 2133744.3/32

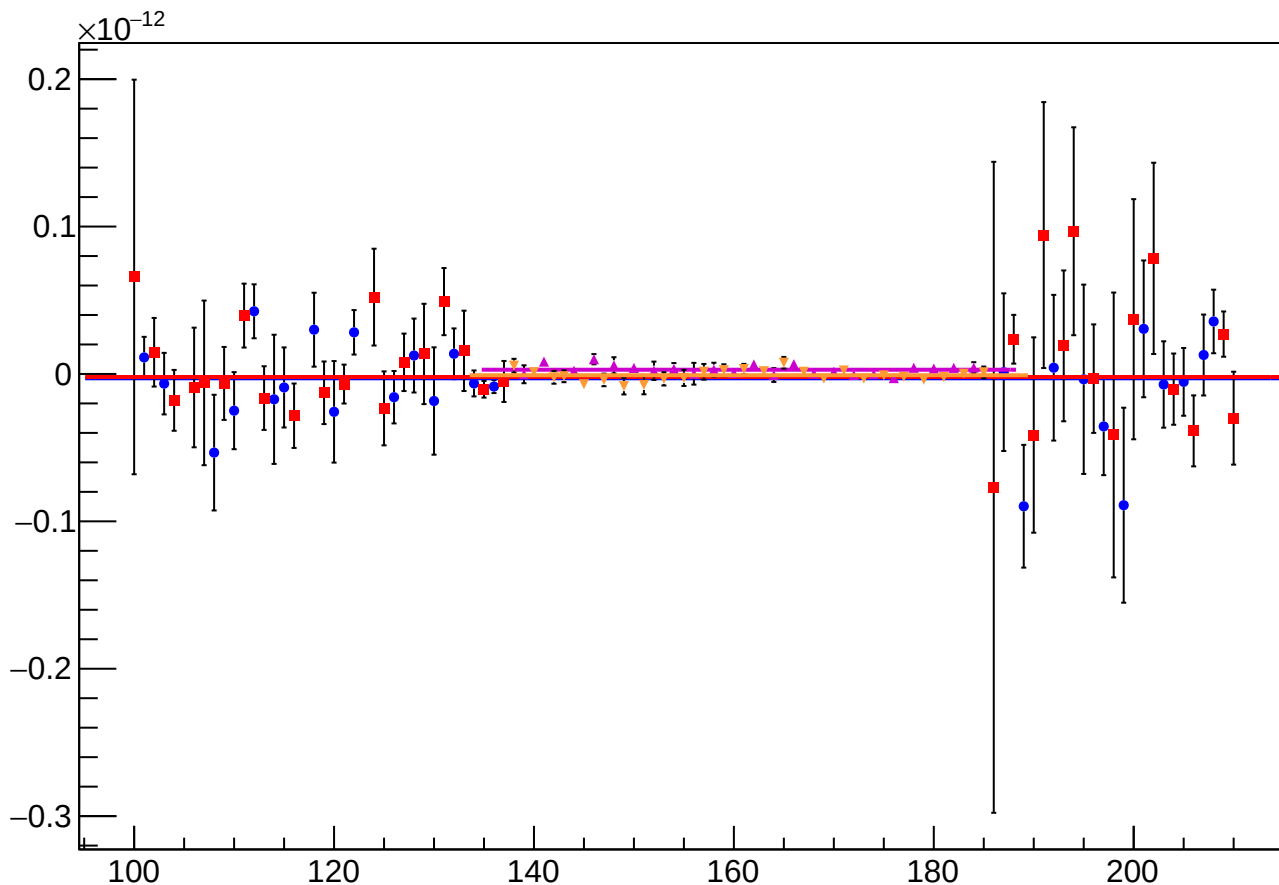
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941834.9/22

+ sign 17.892 $\pm$ 0.002 χ^2 /NDF: 5426919.0/51

All: 17.889 $\pm$ 0.002 χ^2 /NDF: 9739420.1/107

- sign 17.886 $\pm$ 0.002 χ^2 /NDF: 4312497.8/55

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 31.1/26

Left Out: -0.000 ± 0.000 χ^2/NDF : 23.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 33.9/32

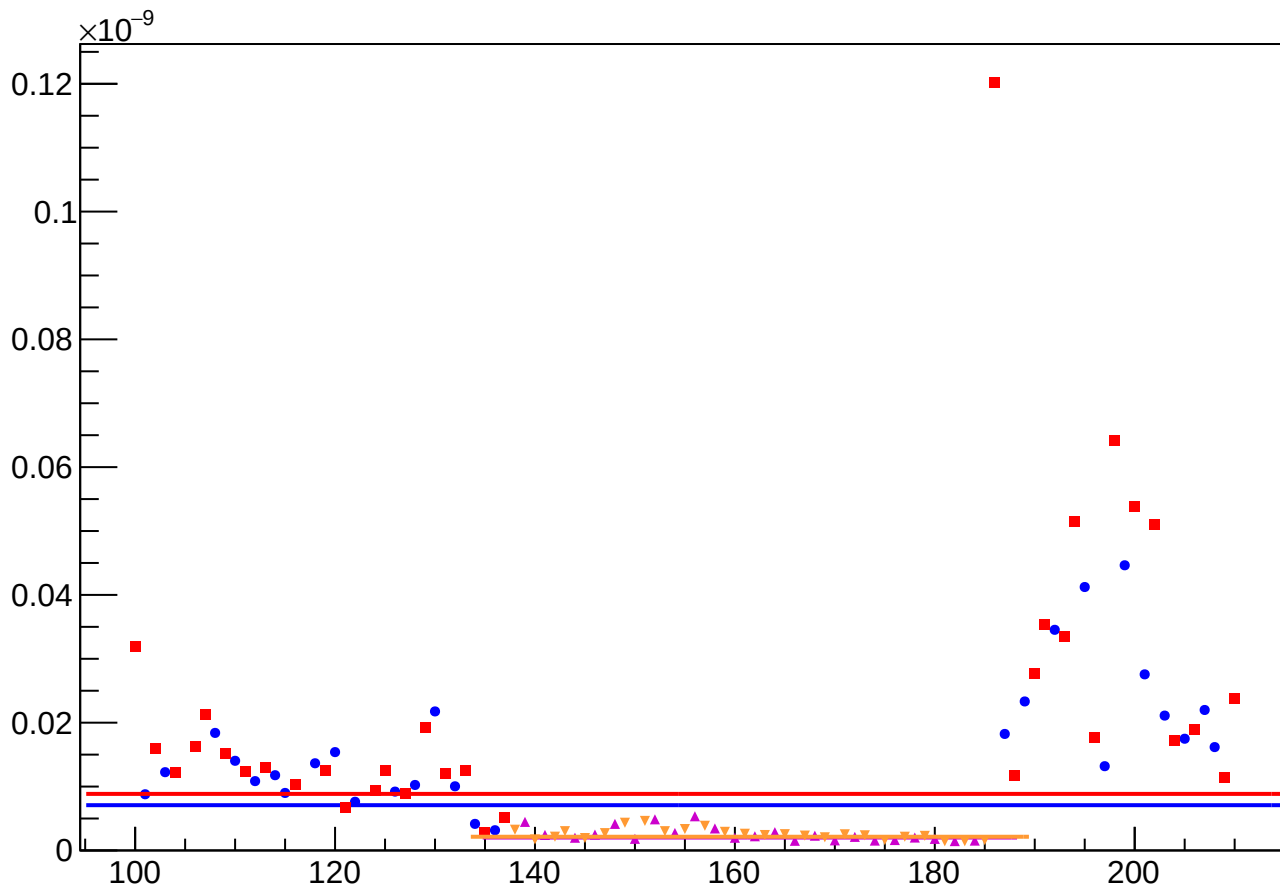
Left In: 0.000 ± 0.000 χ^2/NDF : 23.1/22

+ sign -0.000 ± 0.000 χ^2/NDF : 55.1/51

All: 0.000 ± 0.000 χ^2/NDF : 131.3/107

- sign 0.000 ± 0.000 χ^2/NDF : 58.9/55

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7562377.5/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2184835.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8983467.6/32

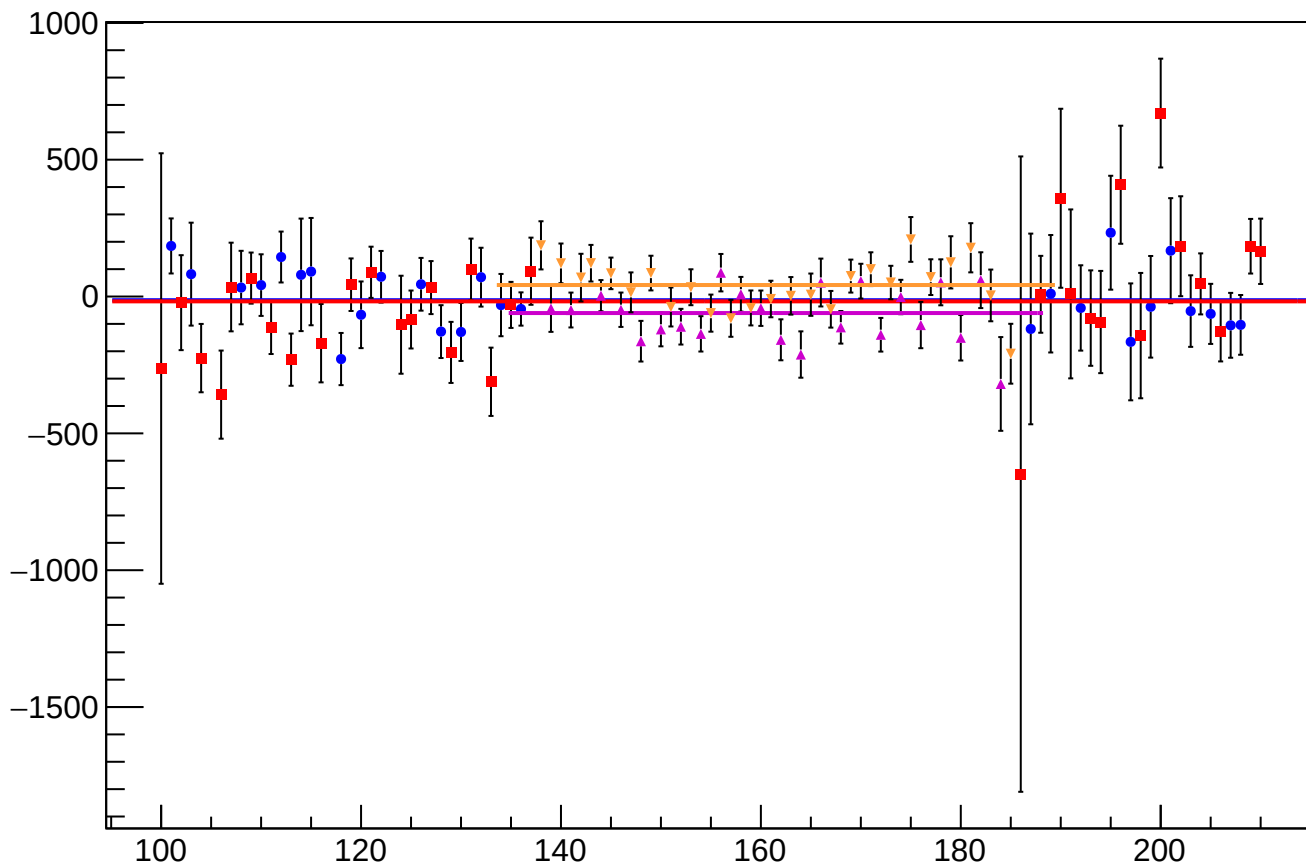
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2375362.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14620111.1/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 33373460.6/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18723553.0/55

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -13.432 ± 22.797 χ^2/NDF : 22.4/26

Left Out: 42.012 ± 14.181 χ^2/NDF : 32.0/24

Right Out: -17.679 ± 22.366 χ^2/NDF : 55.3/32

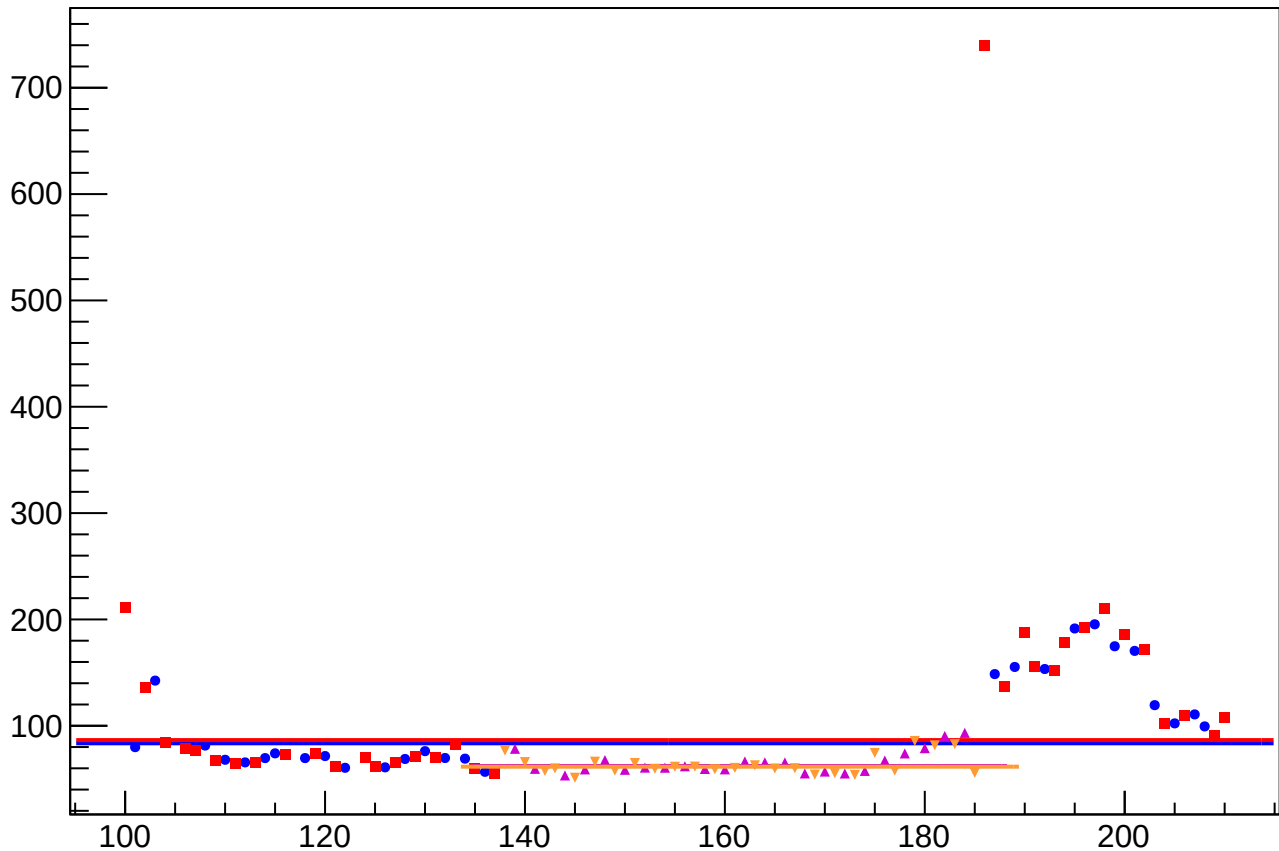
Left In: -60.376 ± 14.714 χ^2/NDF : 32.2/22

+ sign 26.543 ± 12.041 χ^2/NDF : 58.7/51

All: -9.705 ± 8.602 χ^2/NDF : 167.2/107

- sign -47.480 ± 12.292 χ^2/NDF : 90.0/55

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 83.510+/-0.016 χ^2/NDF : 4160897.6/26

Left Out: 61.544+/-0.010 χ^2/NDF : 637834.8/24

Right Out: 86.530+/-0.016 χ^2/NDF : 5475930.2/32

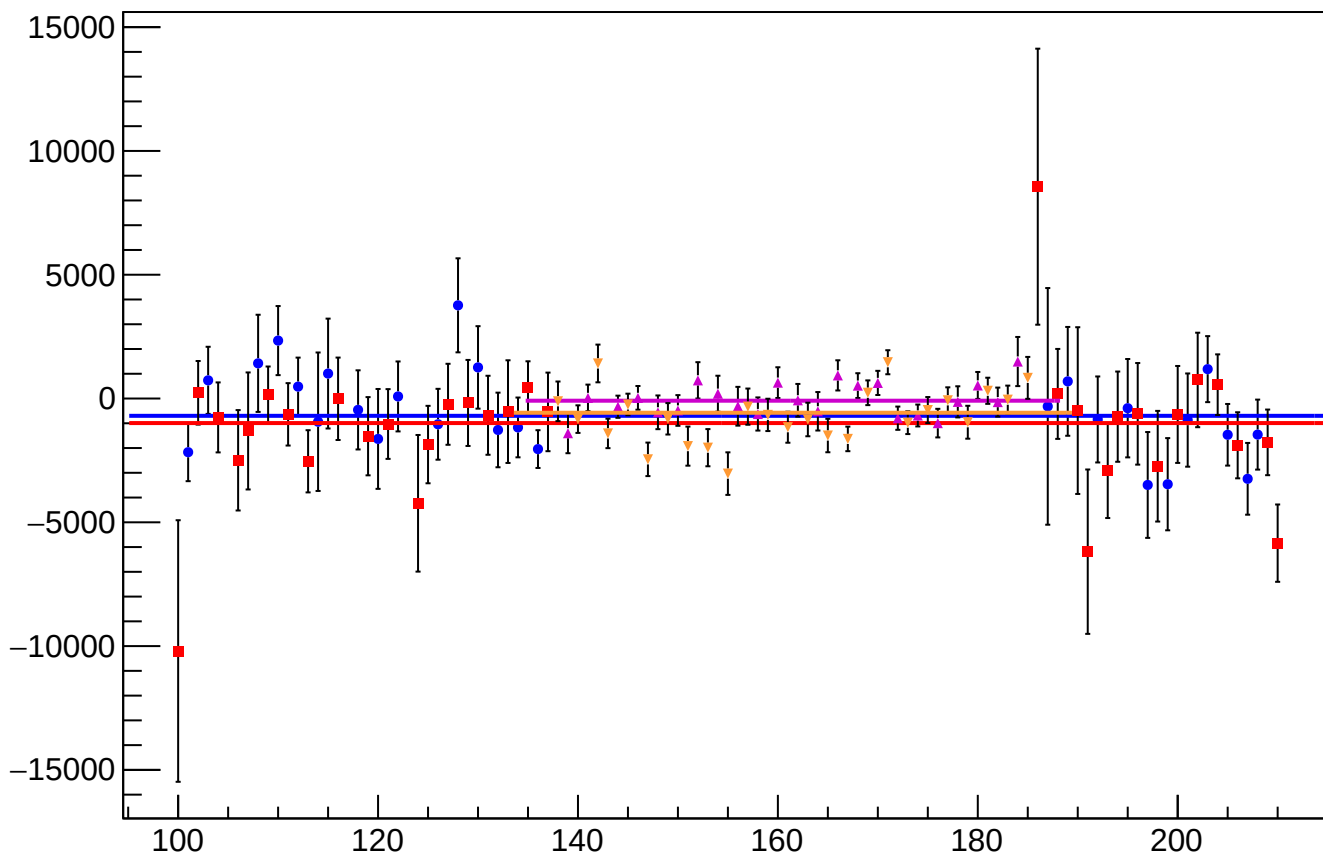
Left In: 62.144+/-0.010 χ^2/NDF : 596754.9/22

+ sign 67.673+/-0.009 χ^2/NDF : 6137588.7/51

All: 68.573+/-0.006 χ^2/NDF : 13892453.9/107

- sign 69.510+/-0.009 χ^2/NDF : 7732058.5/55

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -698.764 $\pm$ 288.370 χ^2 /NDF: 31.2/26

Left Out: -574.818 $\pm$ 119.736 χ^2 /NDF:68.8/24

Right Out: -991.408 $\pm$ 285.188 χ^2 /NDF: 32.2/32

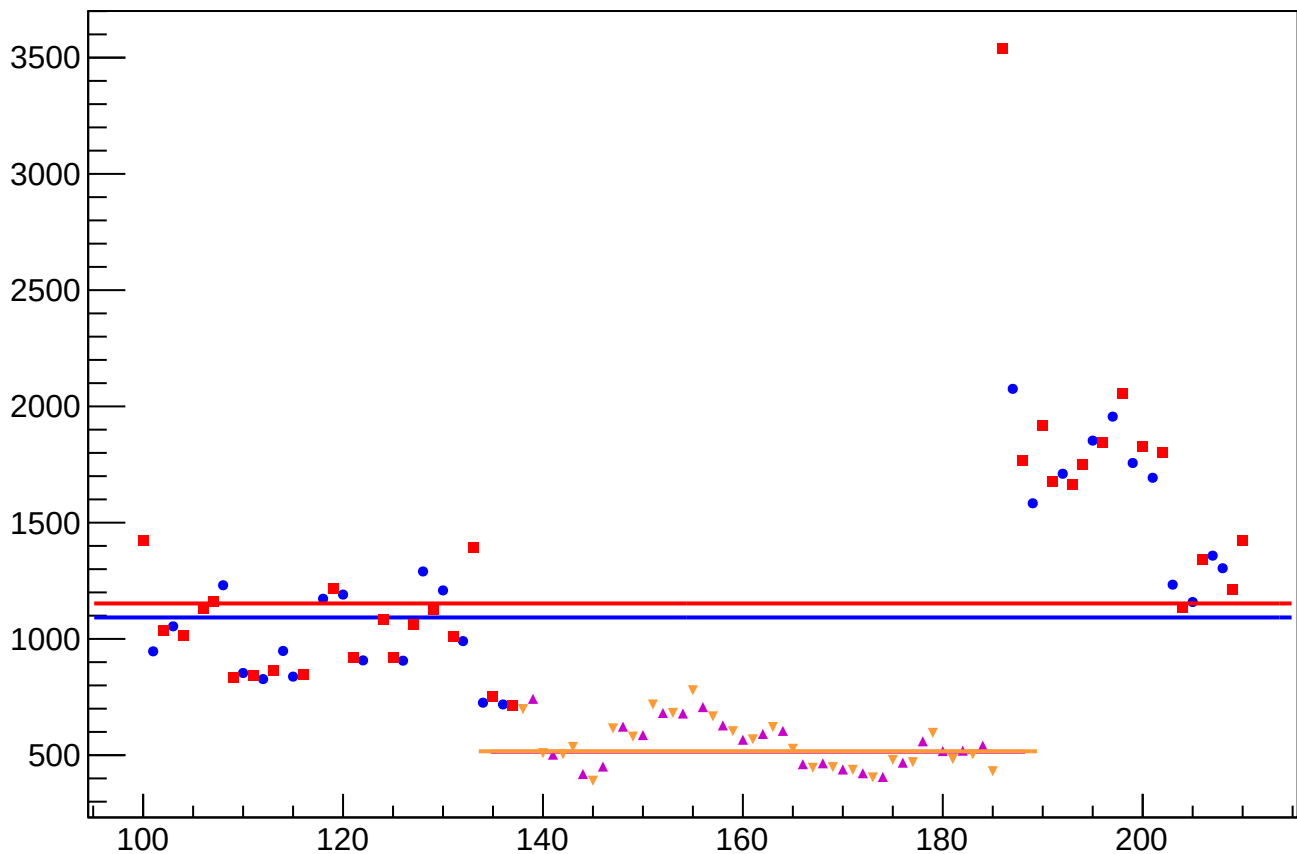
Left In: -88.334 $\pm$ 122.492 χ^2 /NDF:24.6/22

+ sign -593.044 $\pm$ 110.583 χ^2 /NDF: 100.2/51

All: -414.225 $\pm$ 78.880 χ^2 /NDF: 170.7/107

- sign -228.988 $\pm$ 112.550 χ^2 /NDF: 65.2/55

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 1092.294 $\pm$ 0.204 χ^2 /NDF: 2674494.6/26

Left Out: 516.635 $\pm$ 0.085 χ^2 /NDF: 1265161.0/24

Right Out: 1152.521 $\pm$ 0.202 χ^2 /NDF: 3323561.7/32

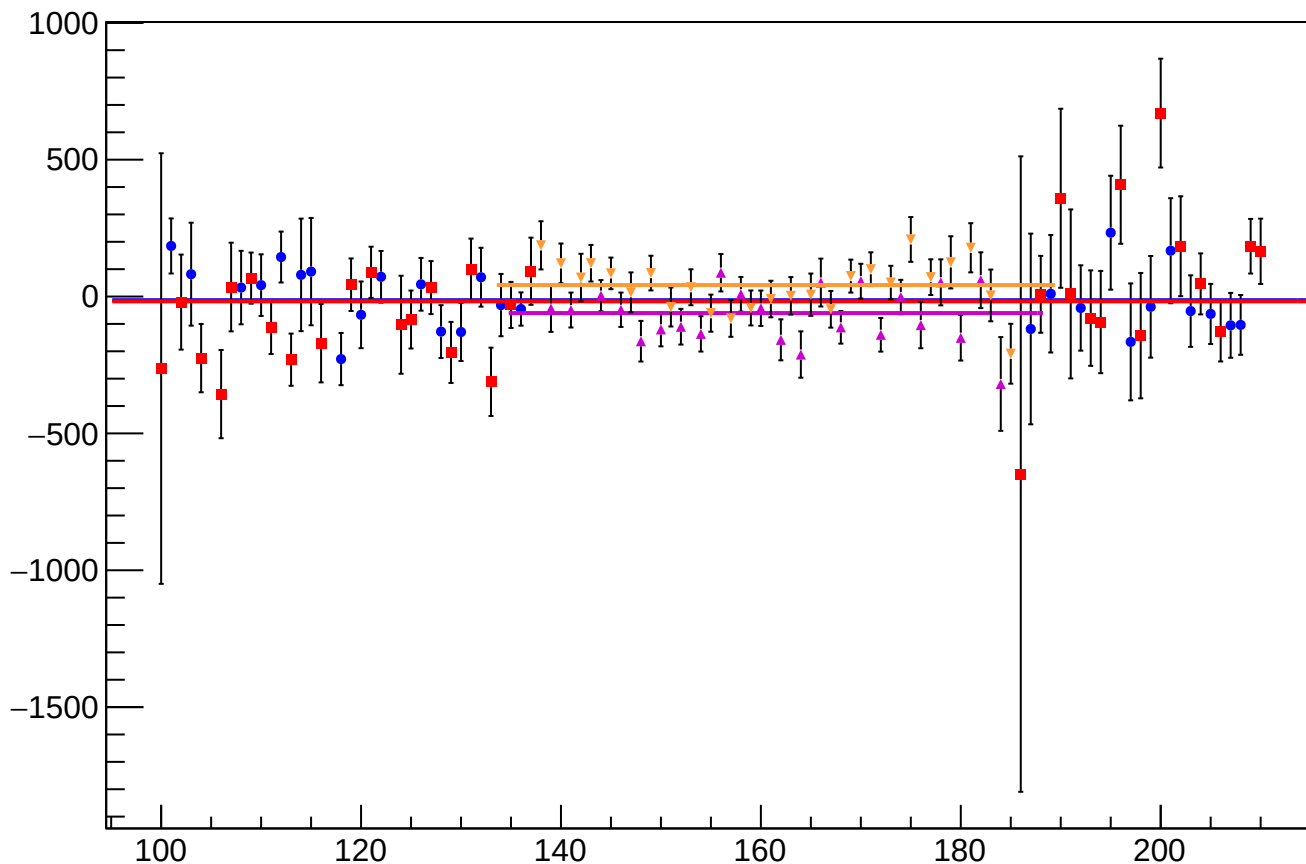
Left In: 514.781 $\pm$ 0.087 χ^2 /NDF: 1120436.1/22

+ sign 601.287 $\pm$ 0.078 χ^2 /NDF: 10737659.5/51

All: 607.585 $\pm$ 0.056 χ^2 /NDF: 23638466.2/10

- sign 614.109 $\pm$ 0.080 χ^2 /NDF: 12887600.1/55

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -13.440 ± 22.797 χ^2/NDF : 22.4/26

Left Out: 42.017 ± 14.181 χ^2/NDF : 32.0/24

Right Out: -17.590 ± 22.367 χ^2/NDF : 55.2/32

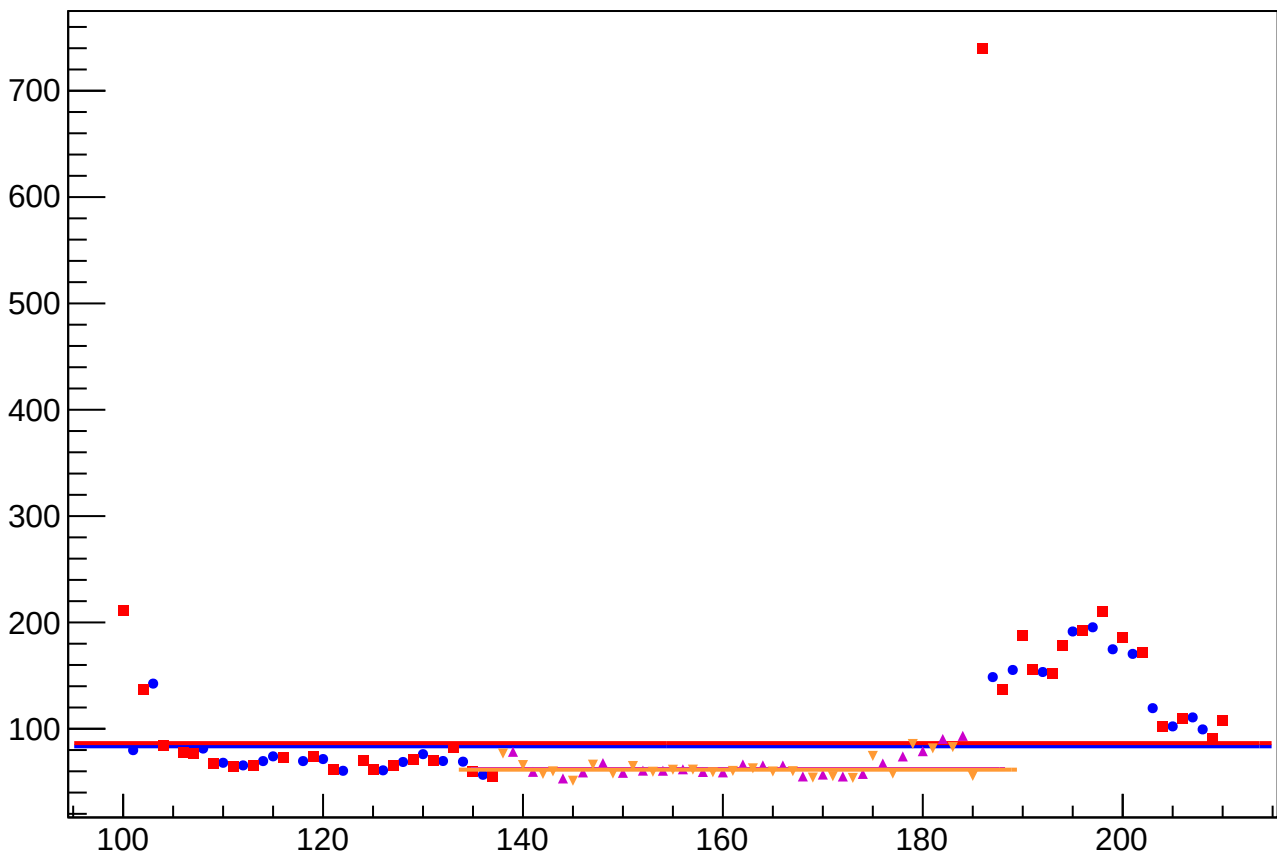
Left In: -60.376 ± 14.714 χ^2/NDF : 32.2/22

+ sign 26.544 ± 12.041 χ^2/NDF : 58.7/51

All: -9.691 ± 8.602 χ^2/NDF : 167.2/107

- sign -47.453 ± 12.292 χ^2/NDF : 90.0/55

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 83.510 $\pm$ 0.016 χ^2 /NDF: 4160900.7/26

Left Out: 61.544 $\pm$ 0.010 χ^2 /NDF: 637834.9/24

Right Out: 86.518 $\pm$ 0.016 χ^2 /NDF: 5477120.4/32

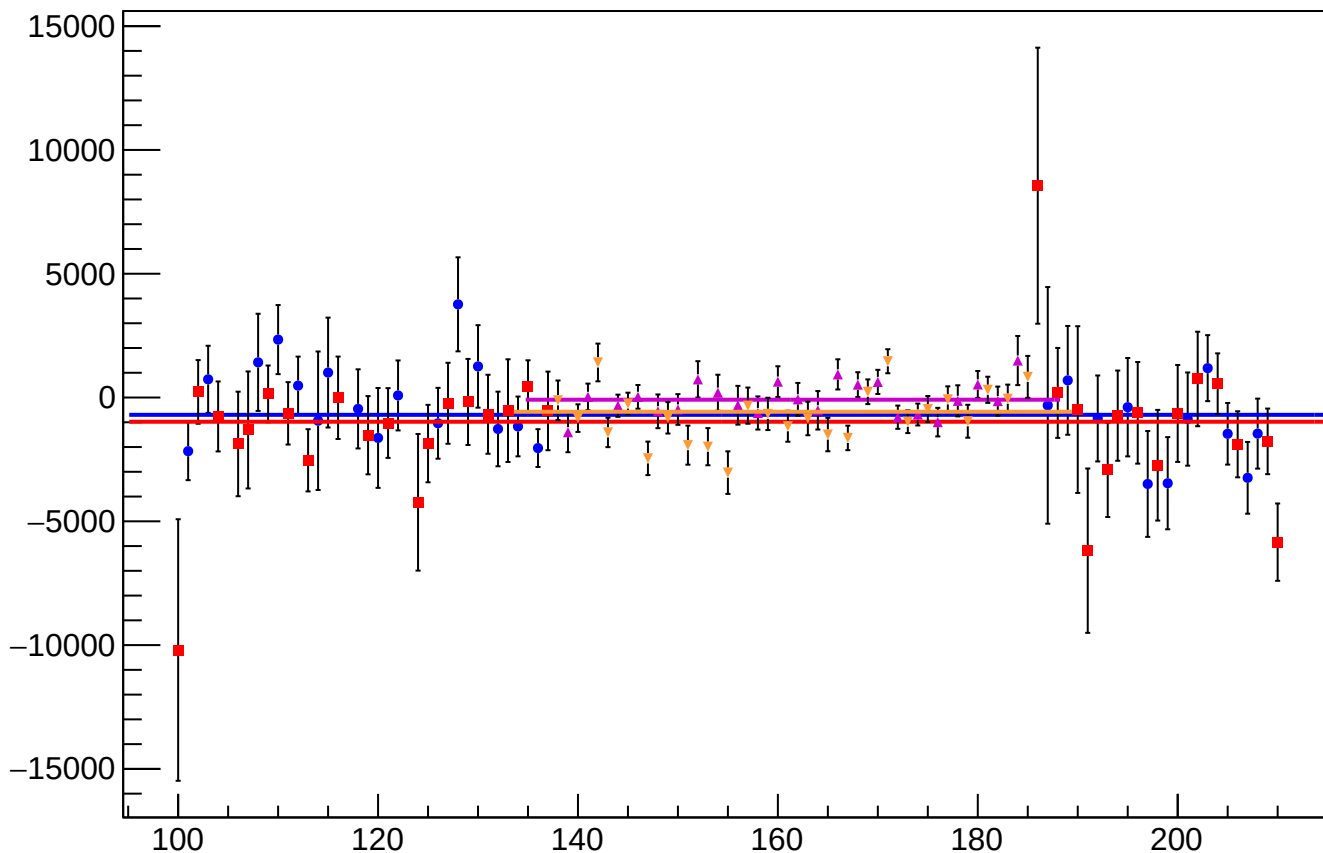
Left In: 62.144 $\pm$ 0.010 χ^2 /NDF: 596754.9/22

+ sign 67.673 $\pm$ 0.009 χ^2 /NDF: 6137591.8/51

All: 68.570 $\pm$ 0.006 χ^2 /NDF: 13891726.8/107

- sign 69.506 $\pm$ 0.009 χ^2 /NDF: 7731432.2/55

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -698.746 ± 288.371 χ^2/NDF : 31.2/26

Left Out: -574.811 ± 119.736 χ^2/NDF : 68.8/24

Right Out: -978.117 ± 285.417 χ^2/NDF : 31.8/32

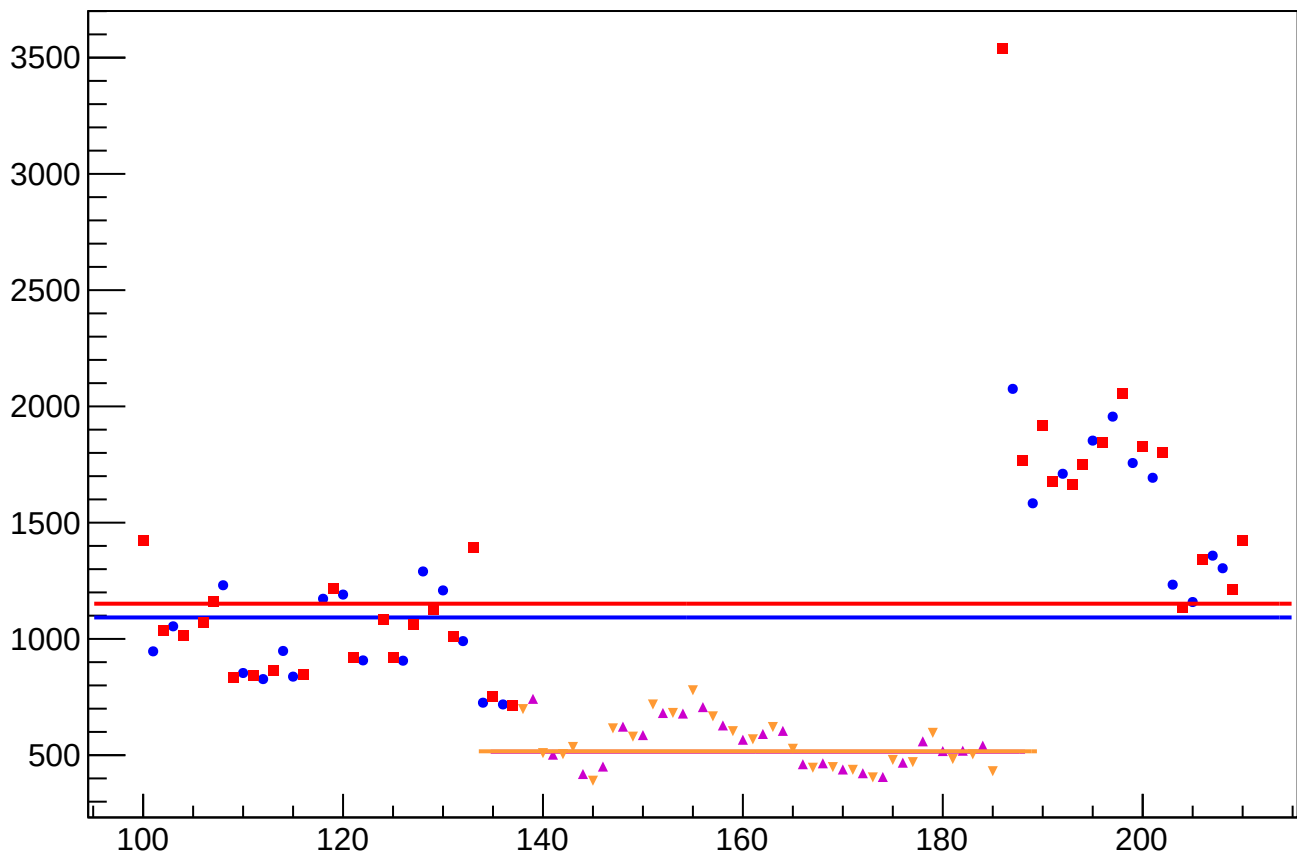
Left In: -88.333 ± 122.492 χ^2/NDF : 24.6/22

+ sign -593.036 ± 110.583 χ^2/NDF : 100.2/51

All: -413.134 ± 78.885 χ^2/NDF : 170.1/107

- sign -226.729 ± 112.564 χ^2/NDF : 64.6/55

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 1092.298 $\pm$ 0.204 χ^2 /NDF: 2674491.7/26

Left Out: 516.635 $\pm$ 0.085 χ^2 /NDF: 1265163.0/24

Right Out: 1151.453 $\pm$ 0.202 χ^2 /NDF: 3326188.1/32

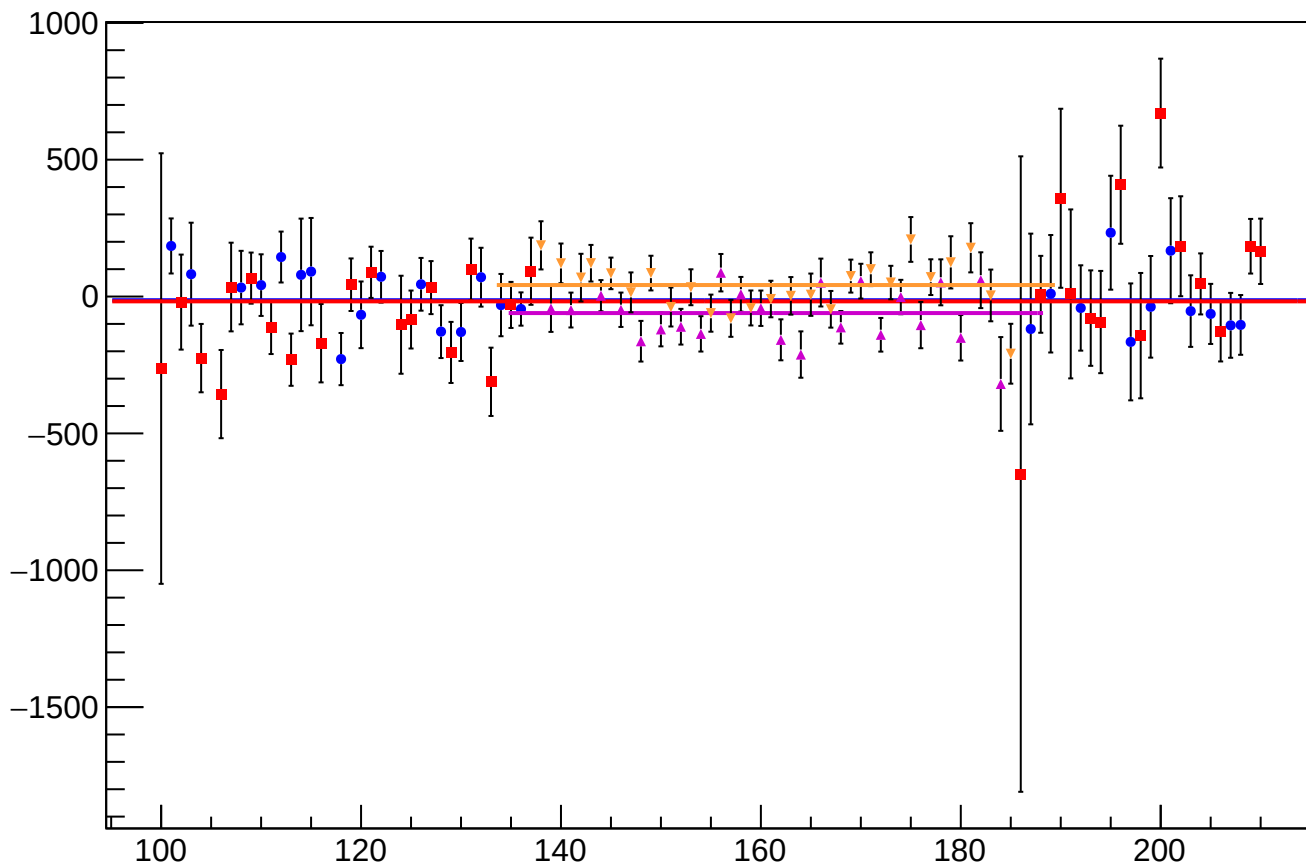
Left In: 514.781 $\pm$ 0.087 χ^2 /NDF: 1120434.8/22

+ sign 601.287 $\pm$ 0.078 χ^2 /NDF: 10737712.2/51

All: 607.437 $\pm$ 0.056 χ^2 /NDF: 23600842.1/10

- sign 613.808 $\pm$ 0.080 χ^2 /NDF: 12850537.1/55

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -13.440 ± 22.797 χ^2/NDF : 22.4/26

Left Out: 42.017 ± 14.181 χ^2/NDF : 32.0/24

Right Out: -17.590 ± 22.367 χ^2/NDF : 55.2/32

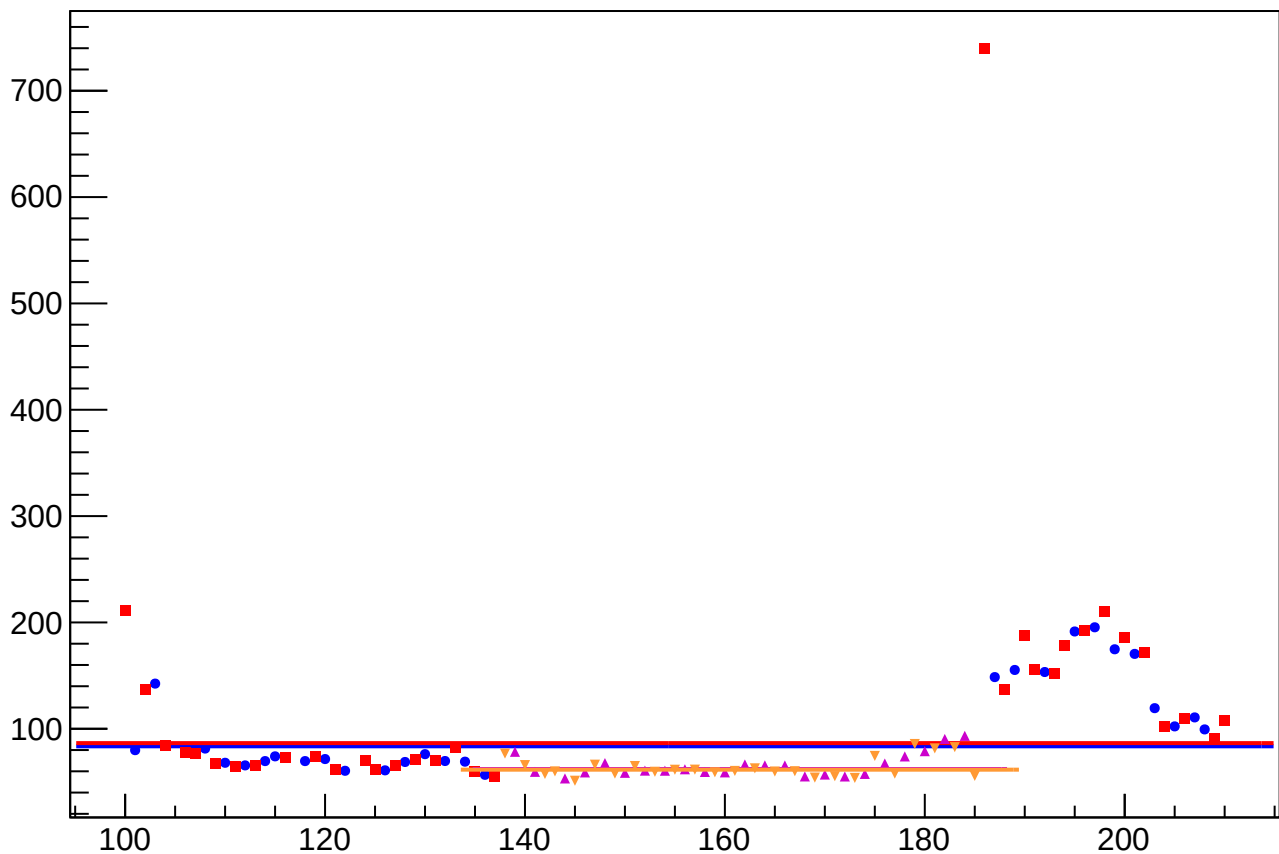
Left In: -60.376 ± 14.714 χ^2/NDF : 32.2/22

+ sign 26.544 ± 12.041 χ^2/NDF : 58.7/51

All: -9.691 ± 8.602 χ^2/NDF : 167.2/107

- sign -47.453 ± 12.292 χ^2/NDF : 90.0/55

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 83.510 $\pm$ 0.016 χ^2 /NDF: 4160900.7/26

Left Out: 61.544 $\pm$ 0.010 χ^2 /NDF: 637834.9/24

Right Out: 86.518 $\pm$ 0.016 χ^2 /NDF: 5477120.4/32

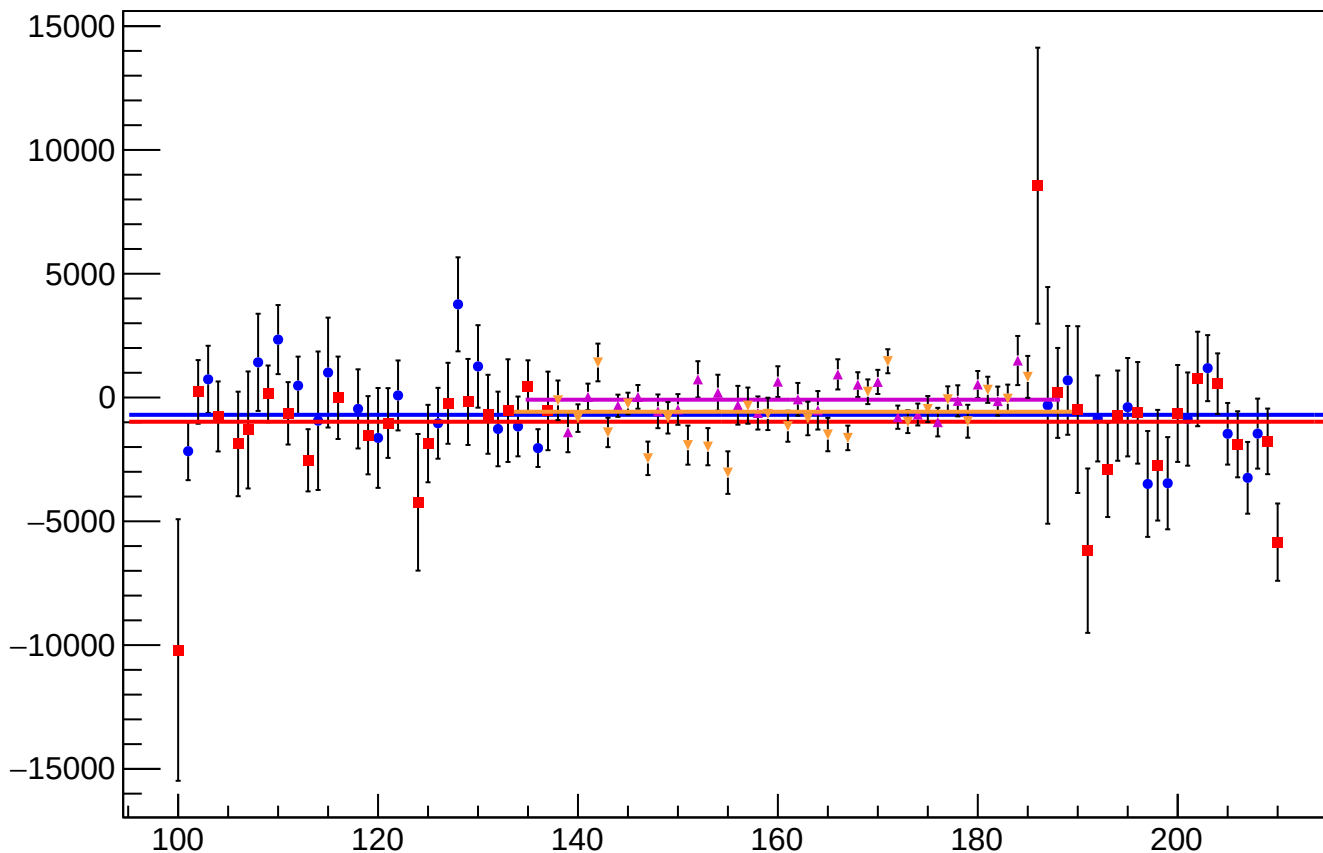
Left In: 62.144 $\pm$ 0.010 χ^2 /NDF: 596754.9/22

+ sign 67.673 $\pm$ 0.009 χ^2 /NDF: 6137591.8/51

All: 68.570 $\pm$ 0.006 χ^2 /NDF: 13891726.8/107

- sign 69.506 $\pm$ 0.009 χ^2 /NDF: 7731432.2/55

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug



Right In: -698.746 ± 288.371 χ^2/NDF : 31.2/26

Left Out: -574.811 ± 119.736 χ^2/NDF : 68.8/24

Right Out: -978.117 ± 285.417 χ^2/NDF : 31.8/32

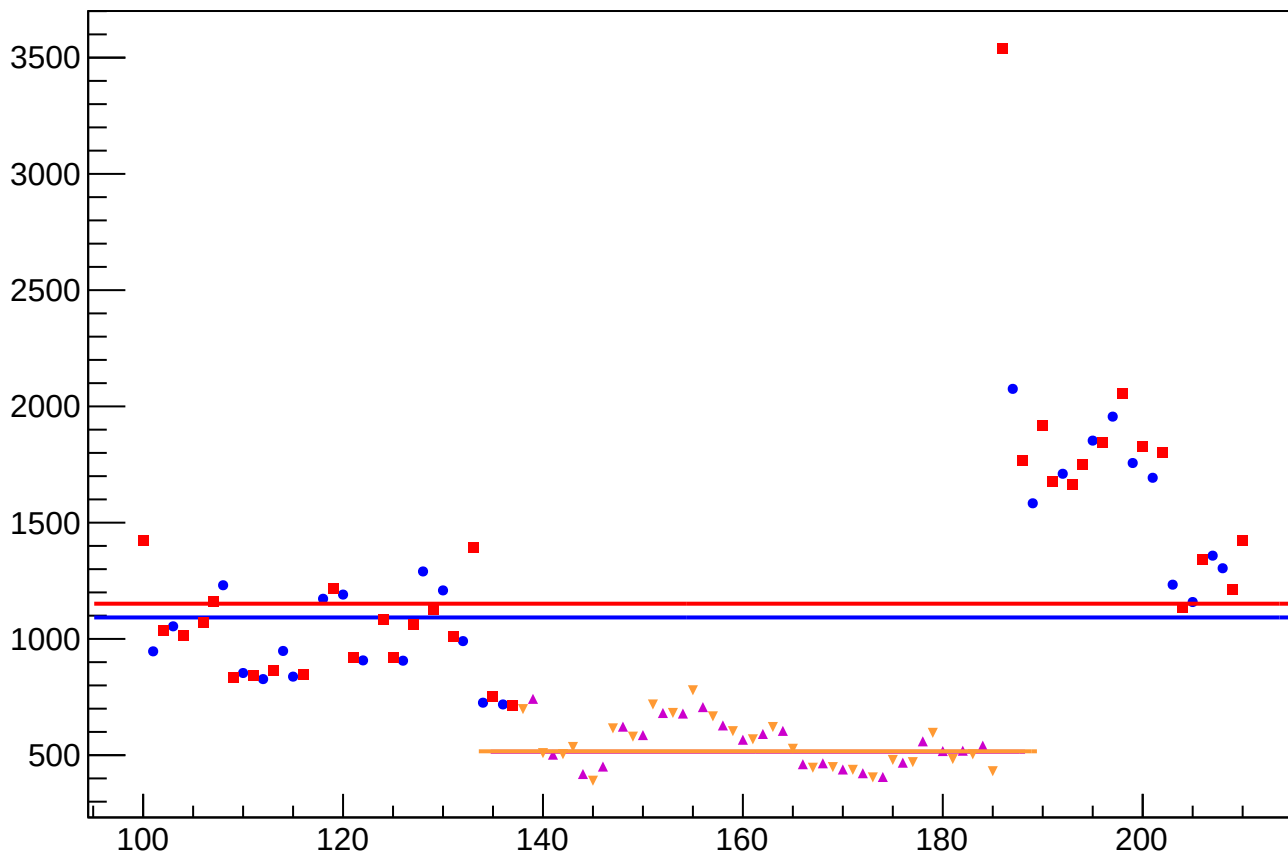
Left In: -88.333 ± 122.492 χ^2/NDF : 24.6/22

+ sign -593.036 ± 110.583 χ^2/NDF : 100.2/51

All: -413.134 ± 78.885 χ^2/NDF : 170.1/107

- sign -226.729 ± 112.564 χ^2/NDF : 64.6/55

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug



Right In: 1092.298 ± 0.204 χ^2/NDF : 2674491.7/26

Left Out: 516.635 ± 0.085 χ^2/NDF : 1265163.0/24

Right Out: 1151.453 ± 0.202 χ^2/NDF : 3326188.1/32

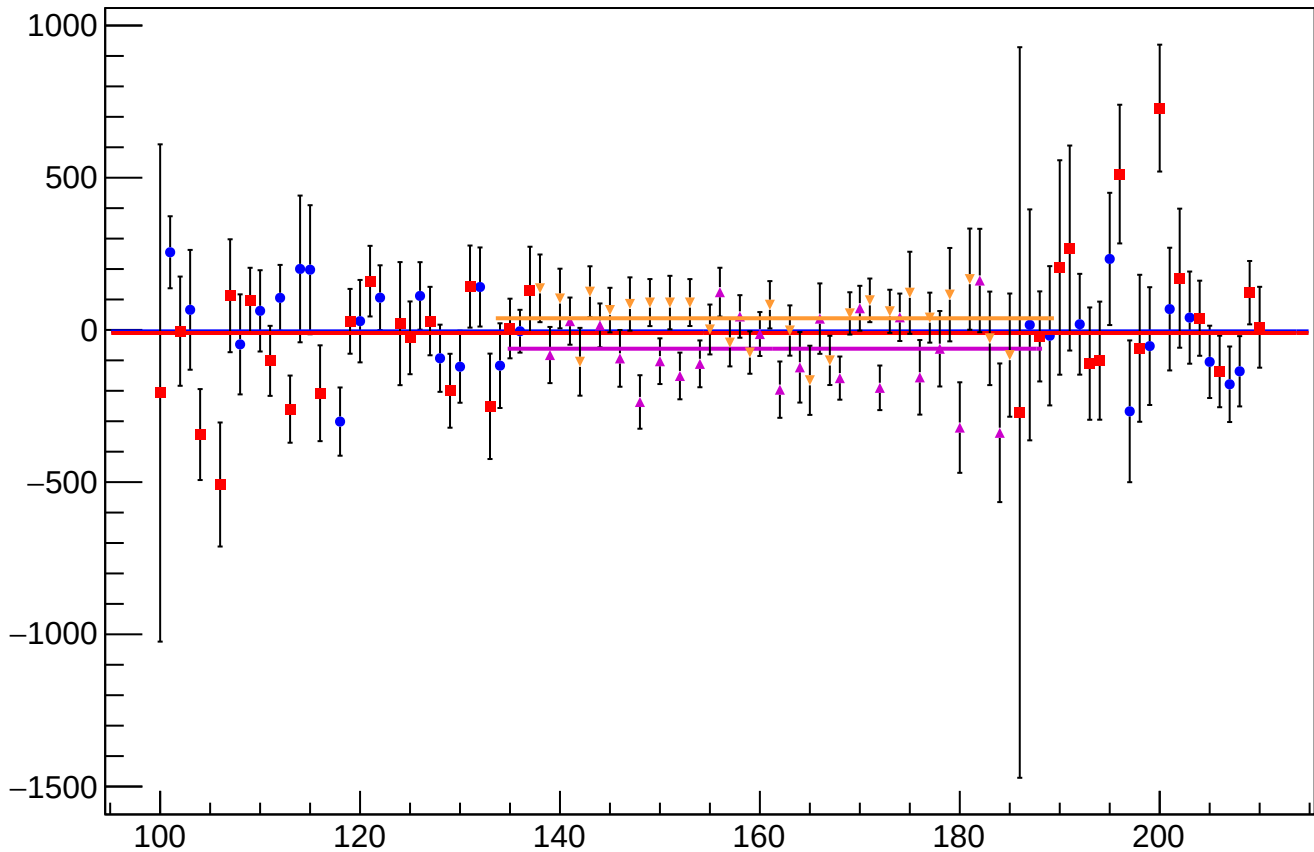
Left In: 514.781 ± 0.087 χ^2/NDF : 1120434.8/22

+ sign 601.287 ± 0.078 χ^2/NDF : 10737712.2/51

All: 607.437 ± 0.056 χ^2/NDF : 23600842.1/10

- sign 613.808 ± 0.080 χ^2/NDF : 12850537.1/55

dit_asym_sam_12345678_avg_mean vs Slug



Right In: -4.704 ± 25.872 χ^2/NDF : 27.5/26

Left Out: 38.281 ± 17.669 χ^2/NDF : 18.8/24

Right Out: -10.054 ± 25.437 χ^2/NDF : 51.9/32

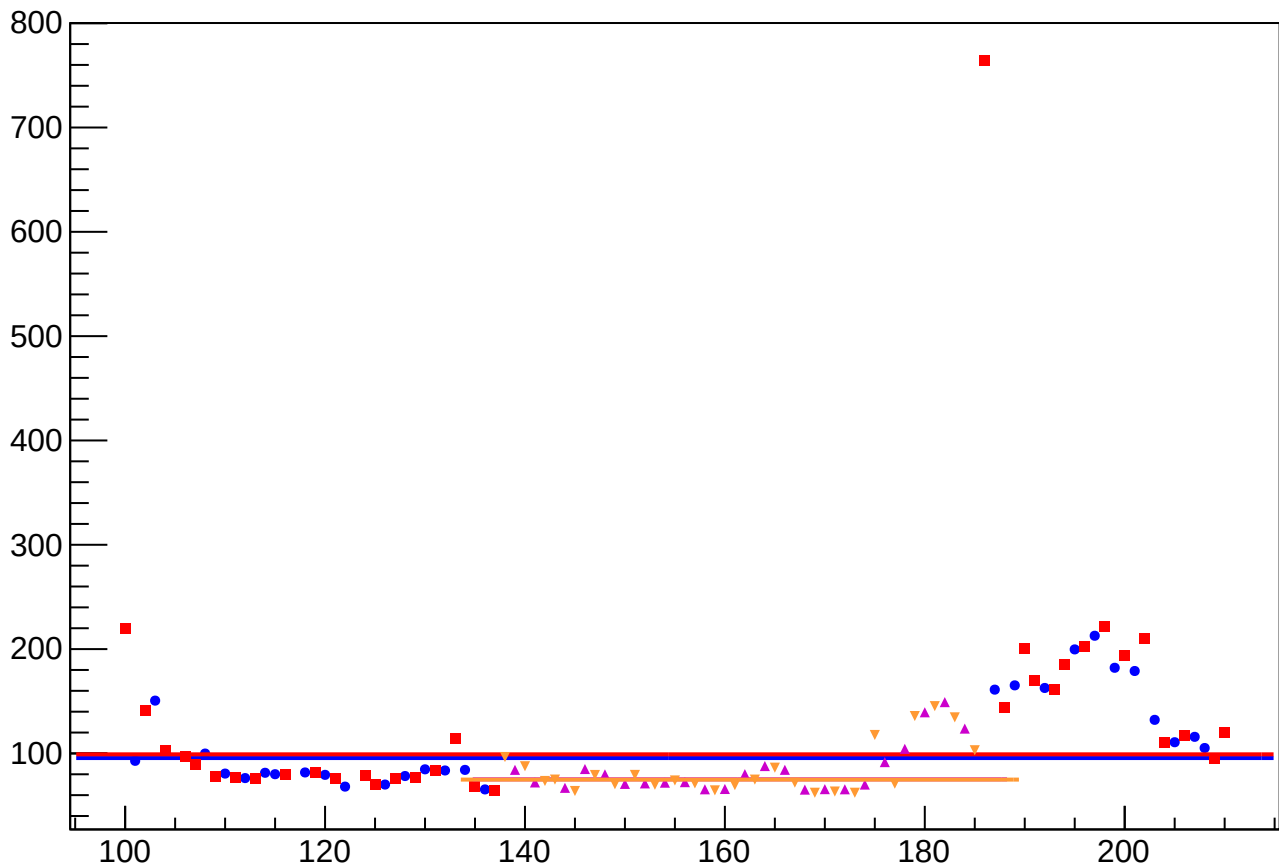
Left In: -61.723 ± 18.192 χ^2/NDF : 36.7/22

+ sign 24.609 ± 14.591 χ^2/NDF : 48.1/51

All: -9.333 ± 10.390 χ^2/NDF : 150.5/107

- sign -44.239 ± 14.797 χ^2/NDF : 91.4/55

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 95.557 $\pm$ 0.018 χ^2 /NDF: 3523506.0/26

Left Out: 74.903 $\pm$ 0.012 χ^2 /NDF:1661552.1/24

Right Out: 99.130 $\pm$ 0.018 χ^2 /NDF: 4815431.9/32

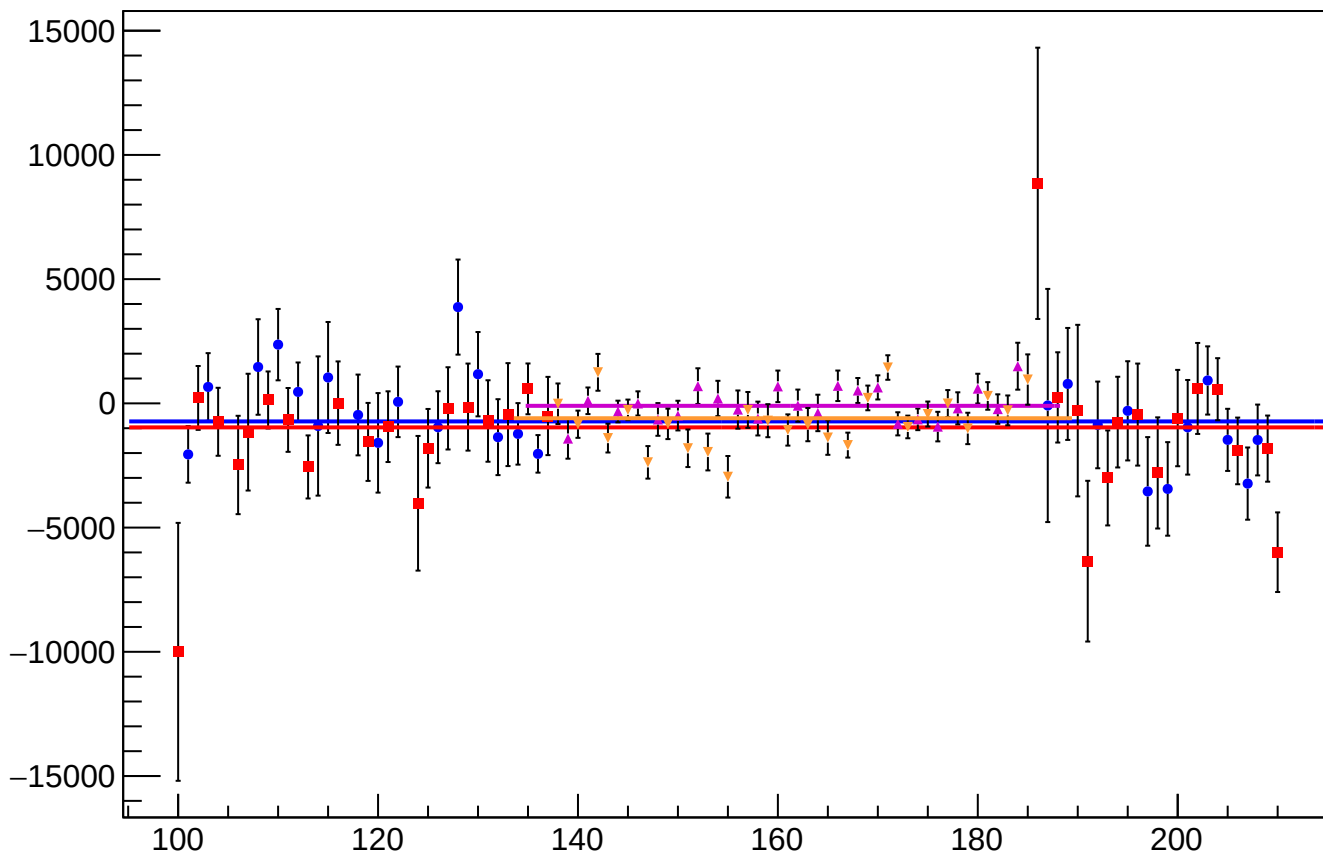
Left In: 75.156 $\pm$ 0.013 χ^2 /NDF:1312543.0/22

+ sign 81.472 $\pm$ 0.010 χ^2 /NDF: 6054228.4/51

All: 82.358 $\pm$ 0.007 χ^2 /NDF: 13372568.4/107

- sign 83.268 $\pm$ 0.010 χ^2 /NDF: 7303399.8/55

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -726.336 ± 290.078 χ^2/NDF : 30.2/26

Left Out: -598.826 ± 119.324 χ^2/NDF : 65.0/24

Right Out: -966.760 ± 285.309 χ^2/NDF : 33.4/32

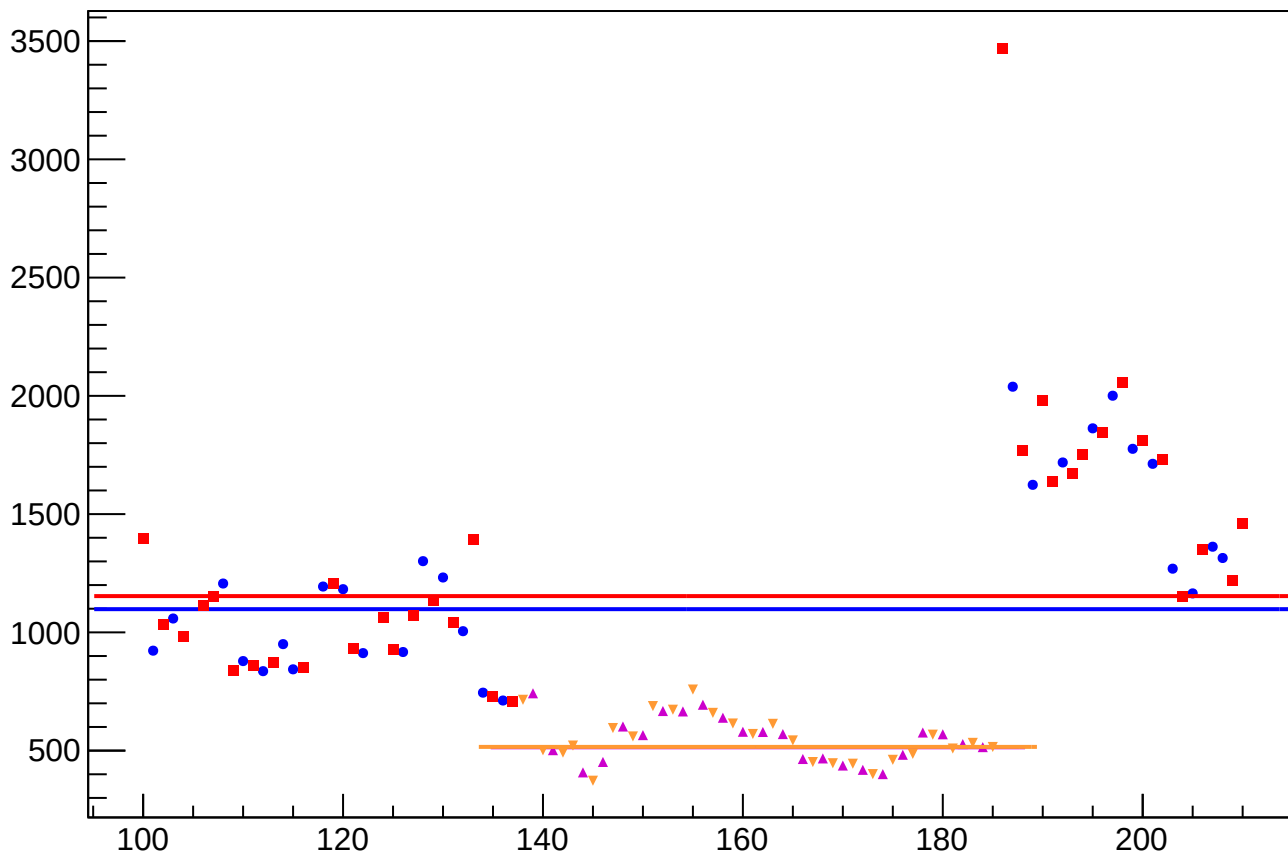
Left In: -99.102 ± 122.310 χ^2/NDF : 23.7/22

+ sign -617.280 ± 110.352 χ^2/NDF : 95.4/51

All: -429.094 ± 78.750 χ^2/NDF : 166.2/107

- sign -233.804 ± 112.416 χ^2/NDF : 64.9/55

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1098.109 $\pm$ 0.205 χ^2 /NDF: 2727840.1/26

Left Out: 515.762 $\pm$ 0.084 χ^2 /NDF: 1232478.6/24

Right Out: 1153.344 $\pm$ 0.202 χ^2 /NDF: 3325363.3/32

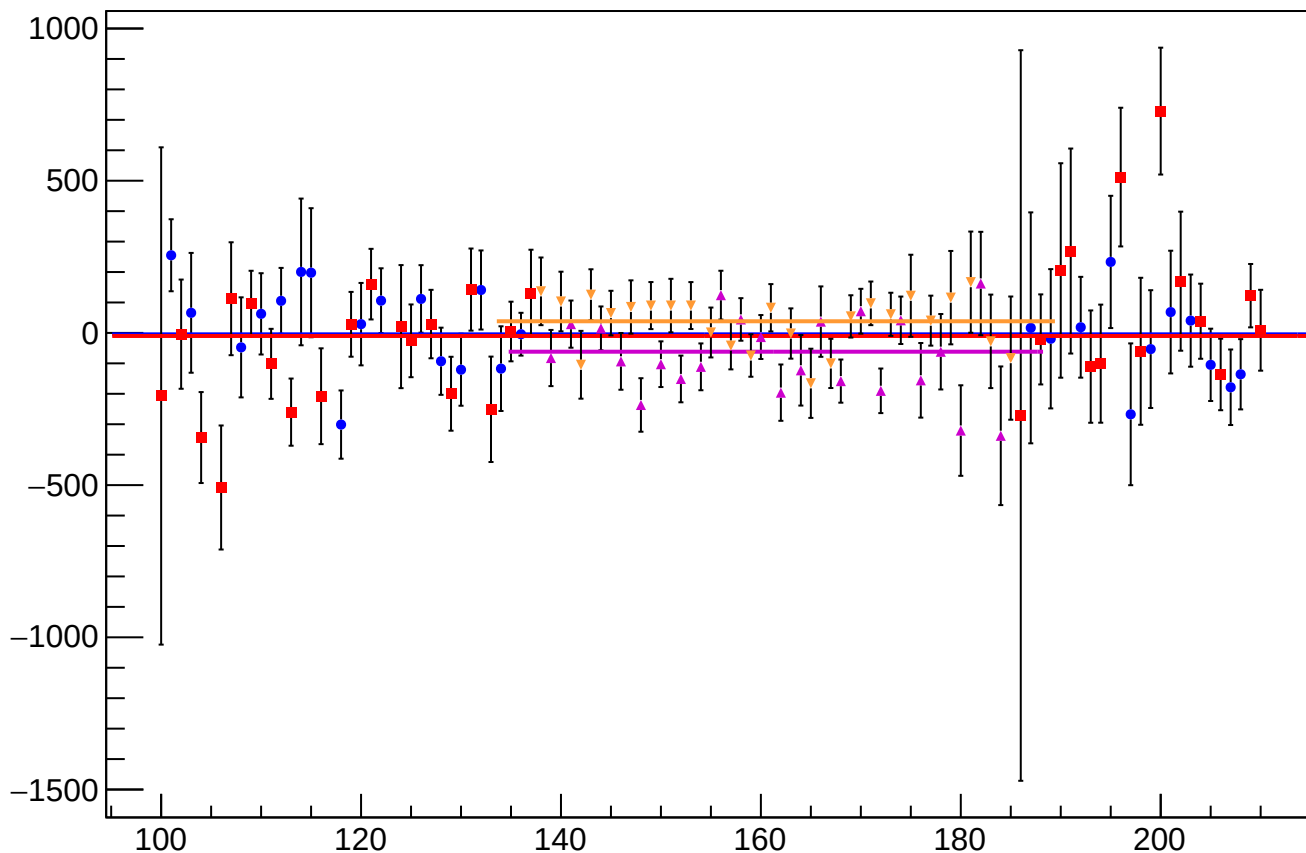
Left In: 514.088 $\pm$ 0.086 χ^2 /NDF: 1116884.3/22

+ sign 600.040 $\pm$ 0.078 χ^2 /NDF: 10854324.5/51

All: 606.562 $\pm$ 0.056 χ^2 /NDF: 23792412.1/10

- sign 613.331 $\pm$ 0.079 χ^2 /NDF: 12923849.7/55

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: -4.703 ± 25.872 χ^2/NDF : 27.5/26

Left Out: 38.282 ± 17.670 χ^2/NDF : 18.8/24

Right Out: -10.052 ± 25.437 χ^2/NDF : 51.9/32

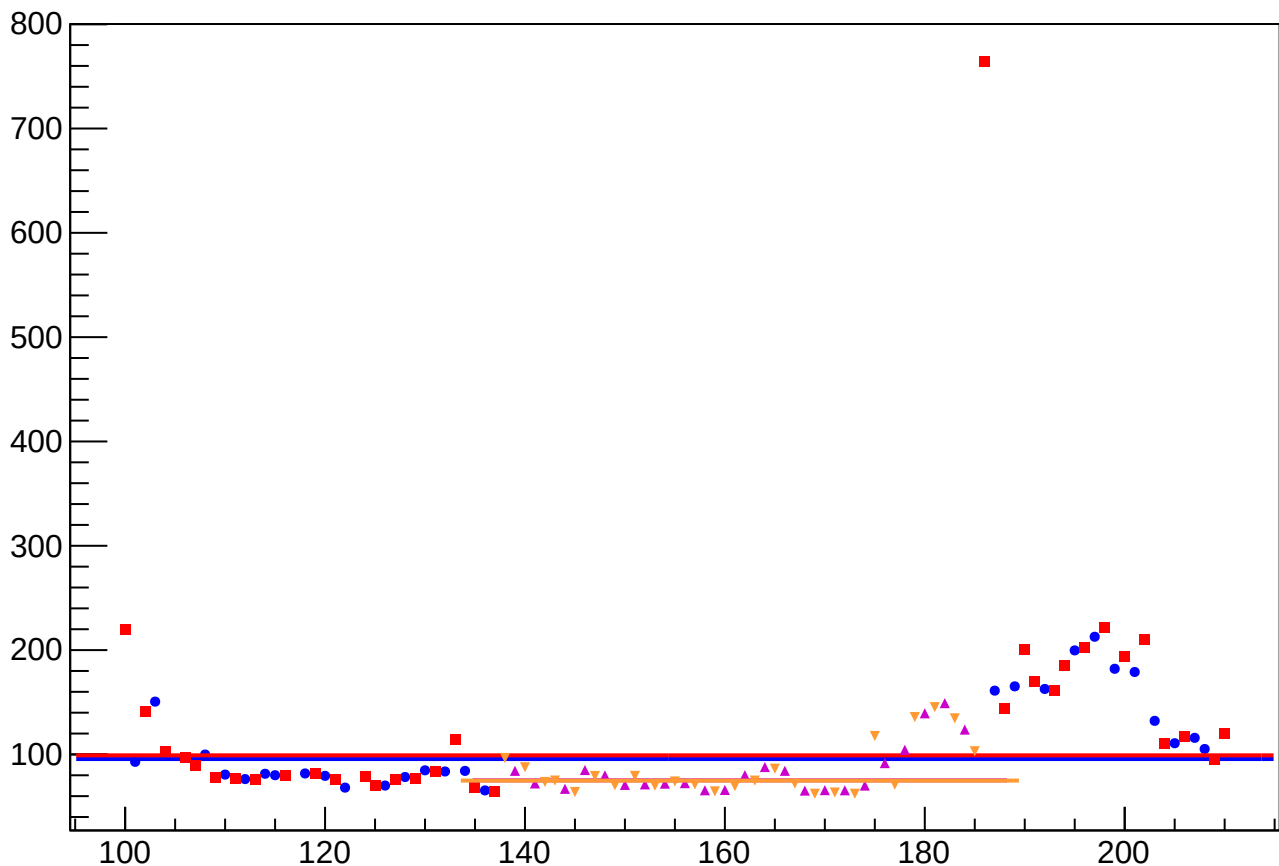
Left In: -61.723 ± 18.192 χ^2/NDF : 36.7/22

+ sign 24.609 ± 14.591 χ^2/NDF : 48.1/51

All: -9.333 ± 10.390 χ^2/NDF : 150.5/107

- sign -44.238 ± 14.797 χ^2/NDF : 91.4/55

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 95.556 $\pm$ 0.018 χ^2 /NDF: 3523518.0/26

Left Out: 74.903 $\pm$ 0.012 χ^2 /NDF:1661550.3/24

Right Out: 99.130 $\pm$ 0.018 χ^2 /NDF: 4815460.8/32

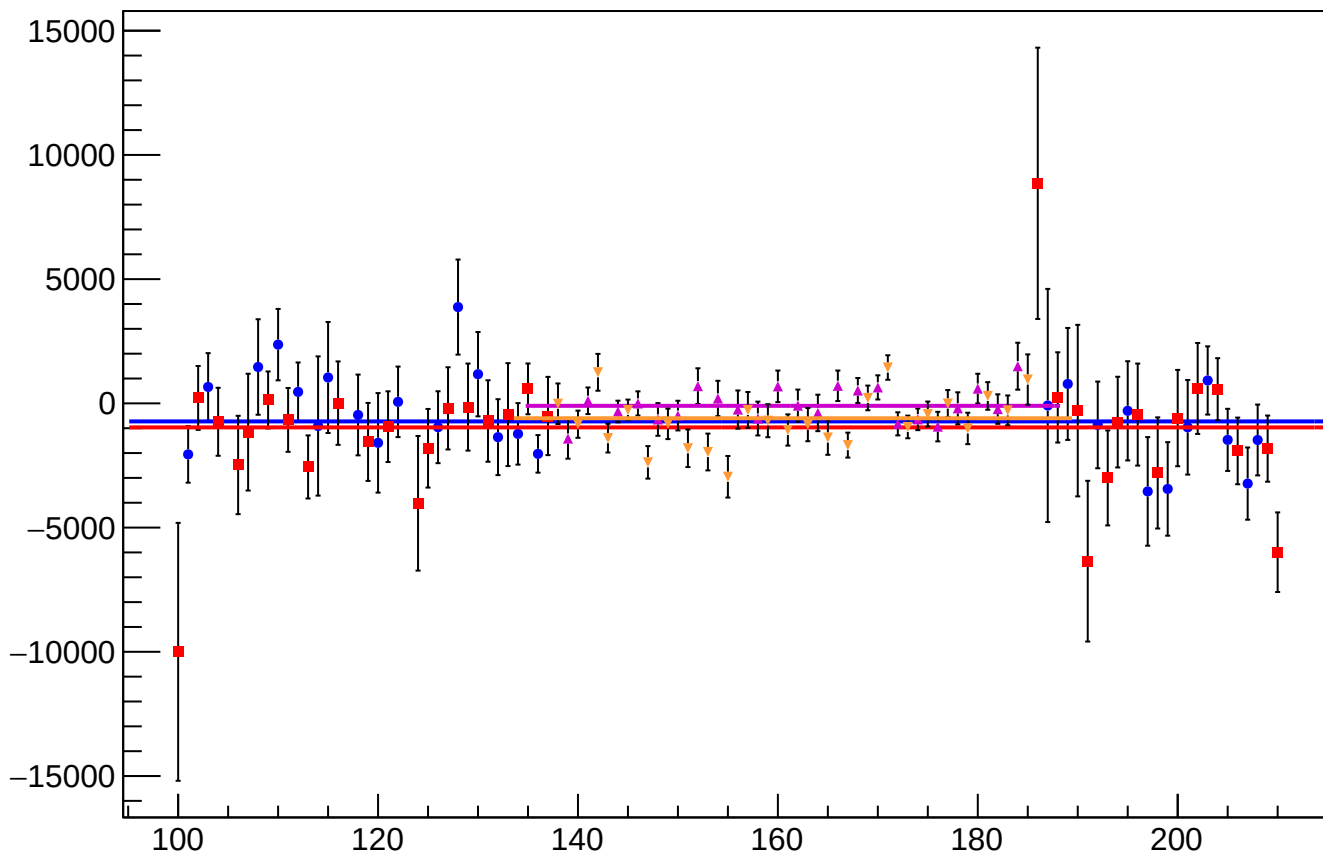
Left In: 75.156 $\pm$ 0.013 χ^2 /NDF:1312527.7/22

+ sign 81.472 $\pm$ 0.010 χ^2 /NDF: 6054200.7/51

All: 82.358 $\pm$ 0.007 χ^2 /NDF: 13372512.1/107

- sign 83.268 $\pm$ 0.010 χ^2 /NDF: 7303370.6/55

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug



Right In: -726.333 ± 290.078 χ^2/NDF : 30.2/26

Left Out: -598.825 ± 119.324 χ^2/NDF : 65.0/24

Right Out: -966.758 ± 285.309 χ^2/NDF : 33.4/32

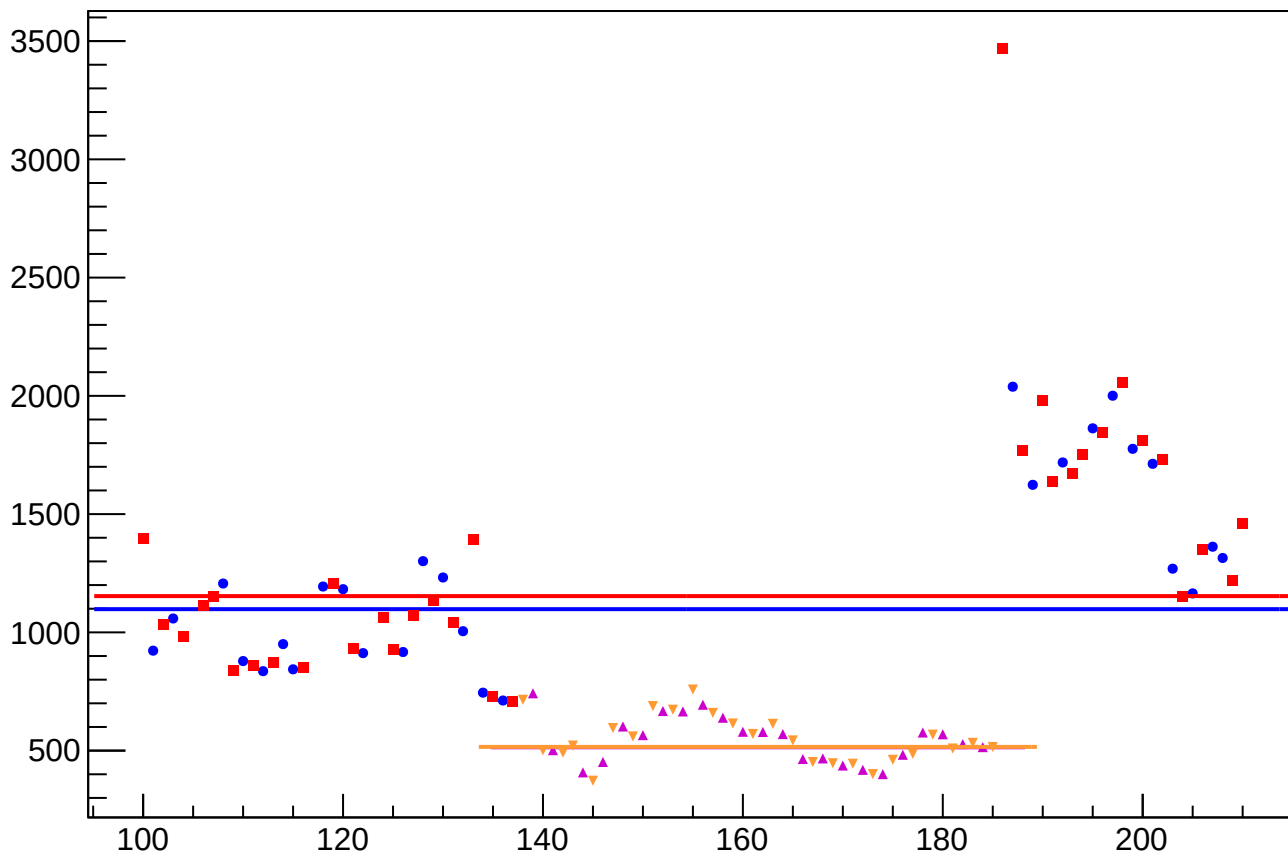
Left In: -99.101 ± 122.310 χ^2/NDF : 23.7/22

+ sign -617.278 ± 110.352 χ^2/NDF : 95.4/51

All: -429.093 ± 78.750 χ^2/NDF : 166.2/107

- sign -233.803 ± 112.416 χ^2/NDF : 64.9/55

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug



Right In: 1098.107 $\pm$ 0.205 χ^2 /NDF: 2727848.7/26

Left Out: 515.761 $\pm$ 0.084 χ^2 /NDF: 1232481.1/24

Right Out: 1153.342 $\pm$ 0.202 χ^2 /NDF: 3325374.8/32

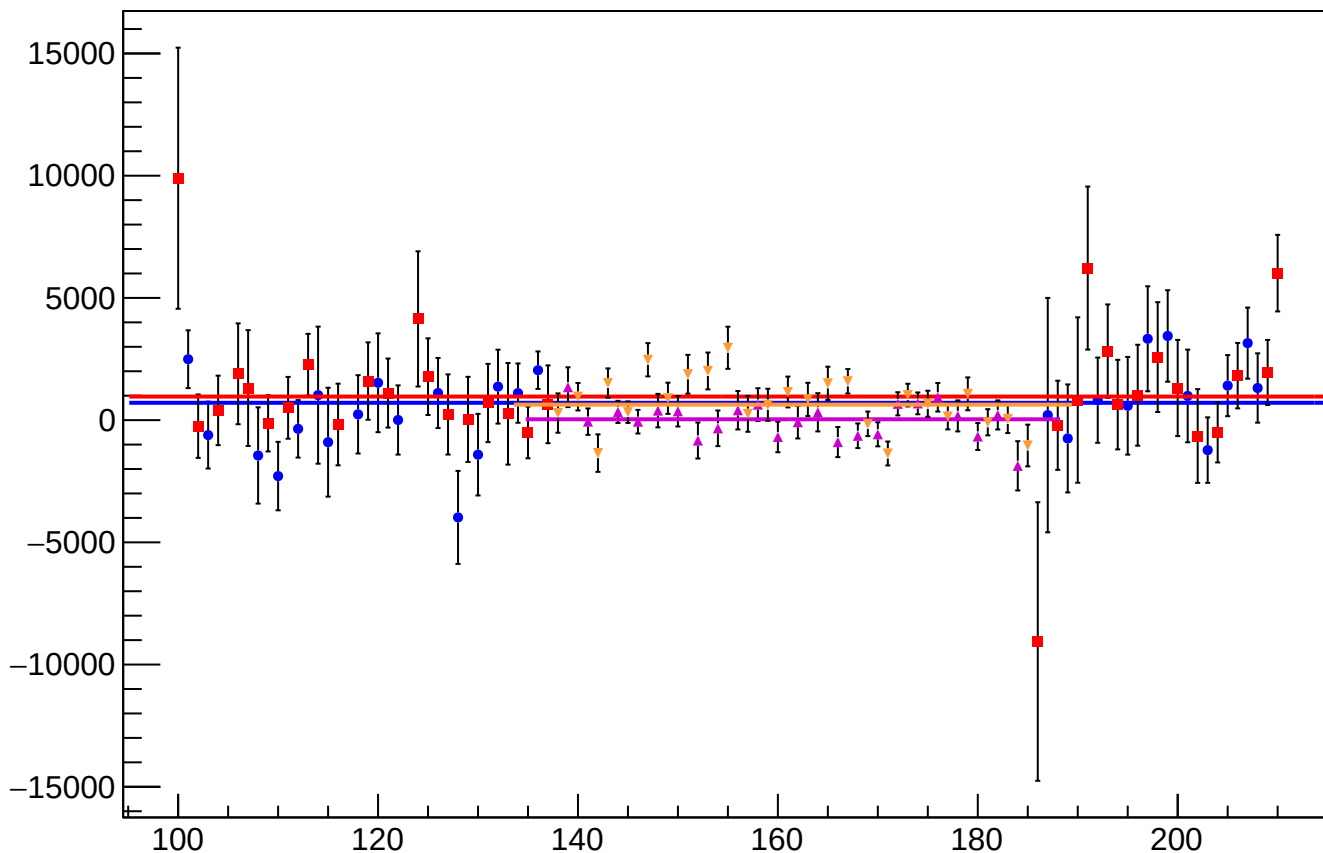
Left In: 514.087 $\pm$ 0.086 χ^2 /NDF: 1116882.7/22

+ sign 600.038 $\pm$ 0.078 χ^2 /NDF: 10854333.5/51

All: 606.561 $\pm$ 0.056 χ^2 /NDF: 23792425.4/10

- sign 613.330 $\pm$ 0.079 χ^2 /NDF: 12923853.8/55

asym_sam_12345678_avg_mean vs Slug



Right In: 709.669 $\pm$ 289.627 χ^2 /NDF: 31.4/26

Left Out: 634.783 $\pm$ 120.717 χ^2 /NDF:64.5/24

Right Out: 964.026 $\pm$ 286.388 χ^2 /NDF: 32.0/32

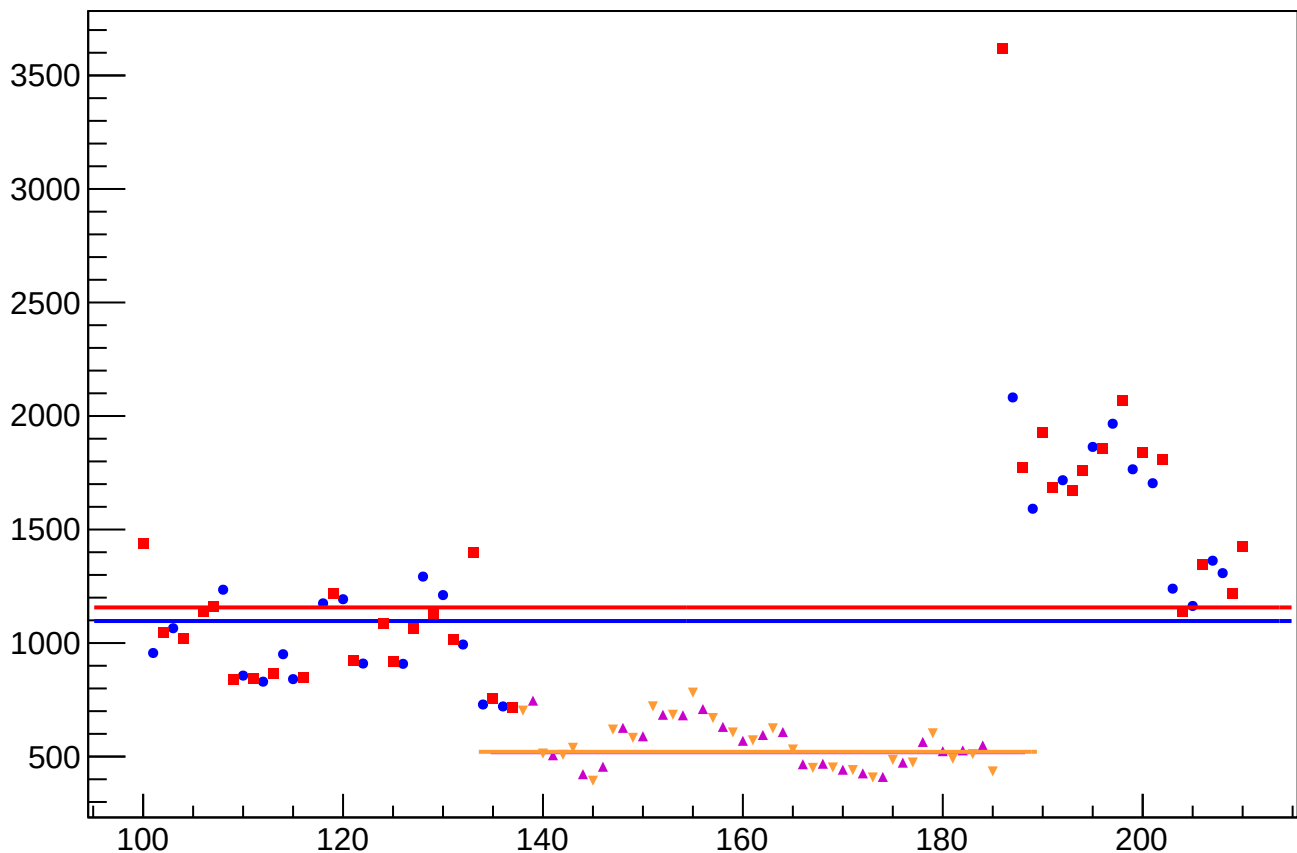
Left In: 34.808 $\pm$ 123.517 χ^2 /NDF:25.1/22

+ sign 645.867 $\pm$ 111.426 χ^2 /NDF: 96.0/51

All: 417.330 $\pm$ 79.485 χ^2 /NDF: 170.5/107

- sign 180.547 $\pm$ 113.418 χ^2 /NDF: 66.0/55

asym_sam_12345678_avg_rms vs Slug



Right In: 1097.002 $\pm$ 0.205 χ^2 /NDF: 2677368.9/26

Left Out: 521.025 $\pm$ 0.085 χ^2 /NDF:1243003.9/24

Right Out: 1156.915 $\pm$ 0.203 χ^2 /NDF: 3337938.0/32

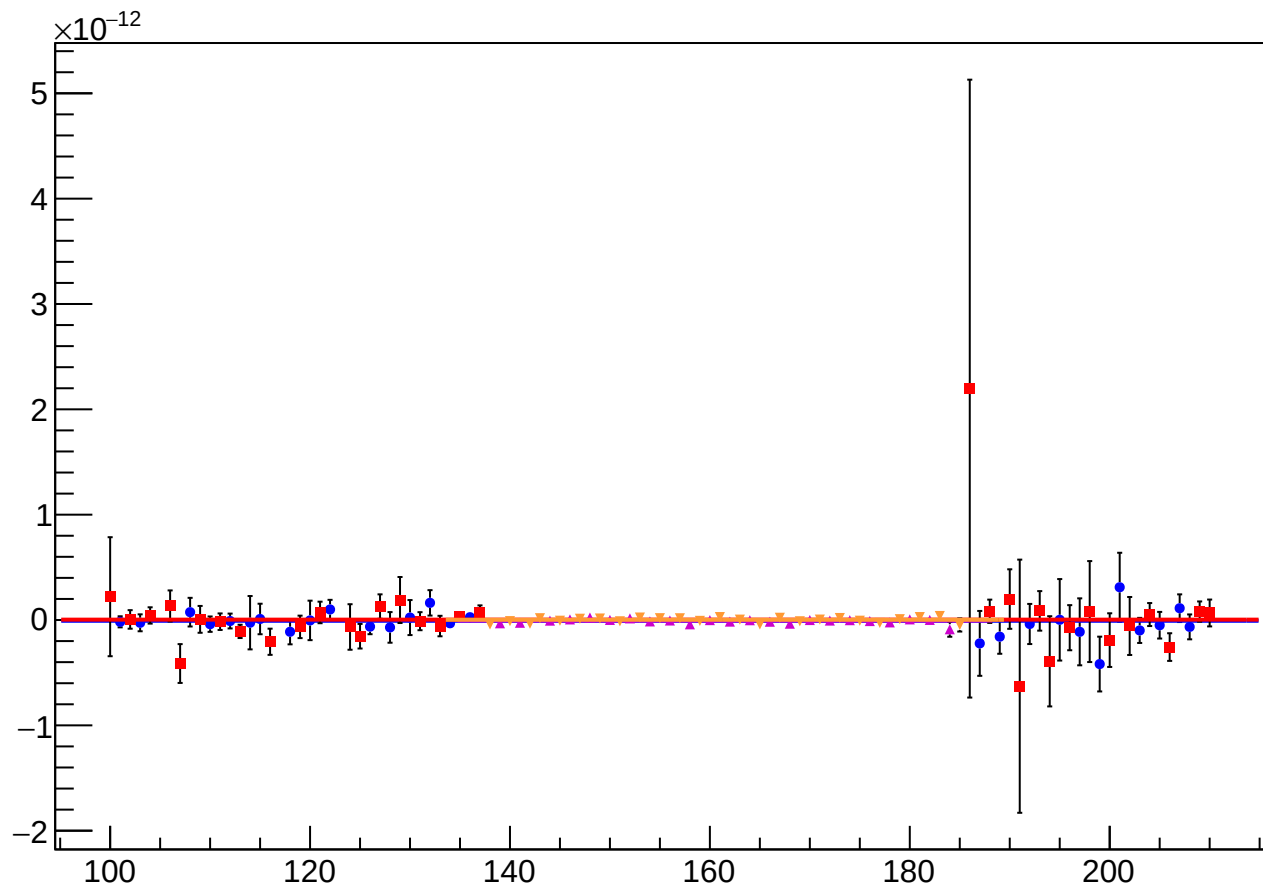
Left In: 519.239 $\pm$ 0.087 χ^2 /NDF:1100553.3/22

+ sign 606.276 $\pm$ 0.079 χ^2 /NDF: 10659382.7/51

All: 612.649 $\pm$ 0.056 χ^2 /NDF: 23471664.1/10

- sign 619.252 $\pm$ 0.080 χ^2 /NDF: 12798958.3/55

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.9/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:22.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.1/32

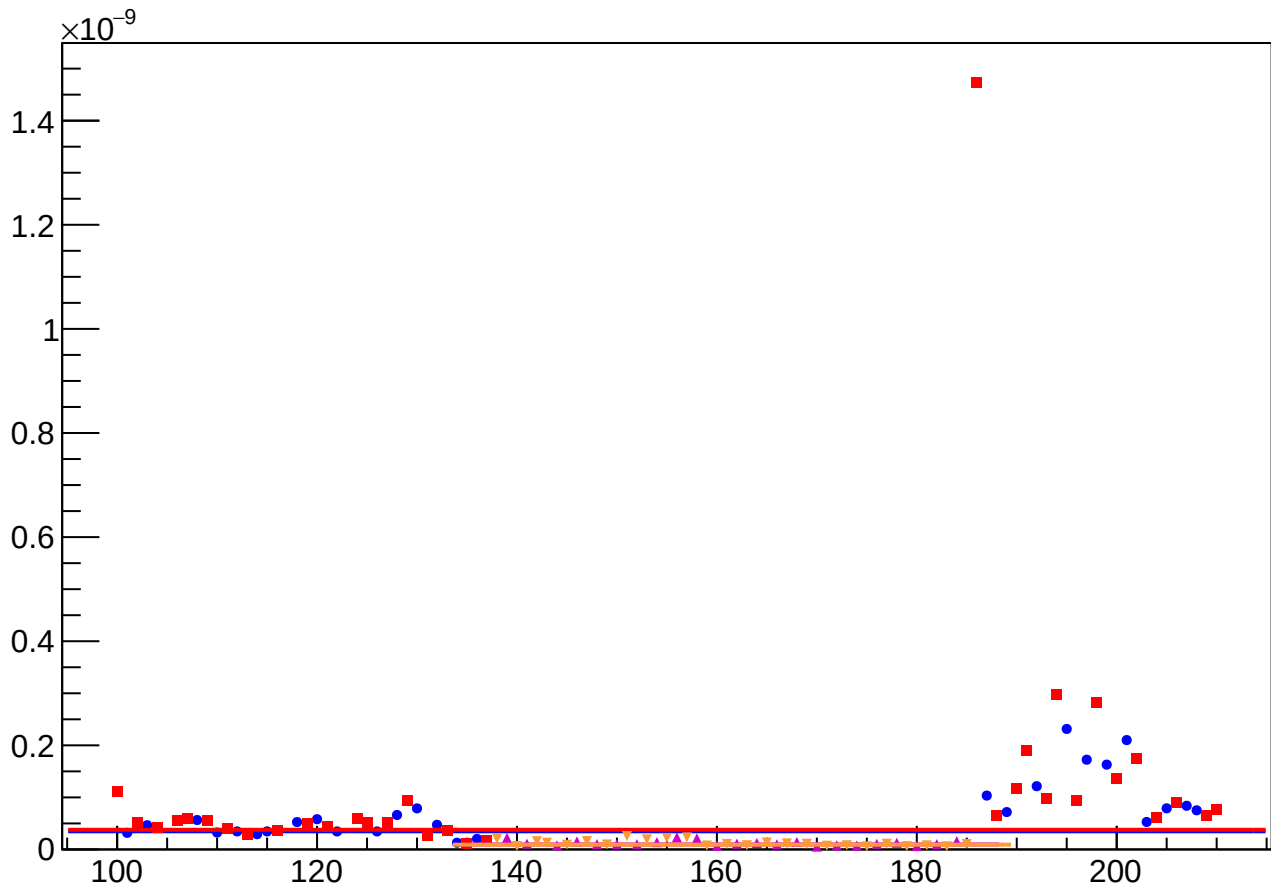
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:10.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.6/51

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 77.1/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 39.1/55

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4780185.9/26

Left Out: 0.000+/-0.000 χ^2/NDF : 2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5998137.1/32

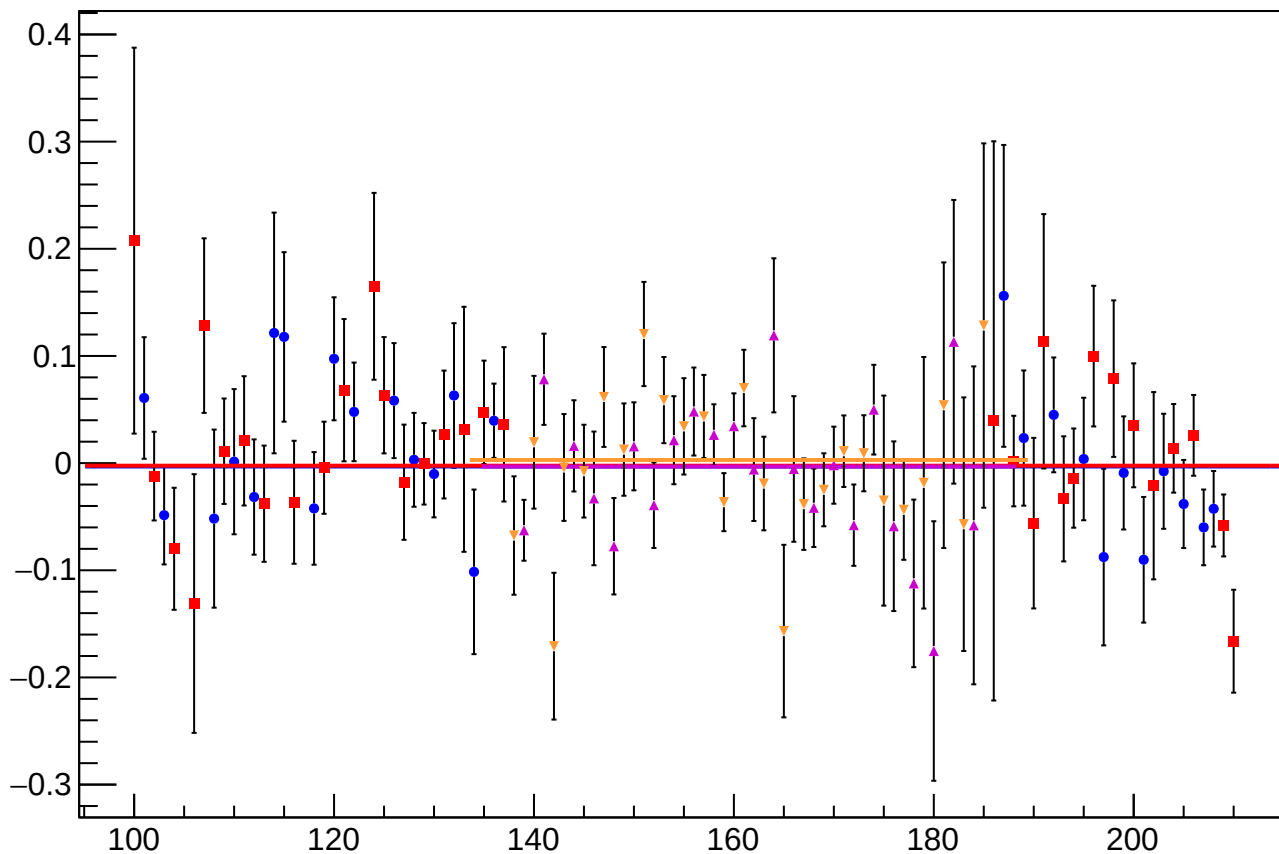
Left In: 0.000+/-0.000 χ^2/NDF : 1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 11392717.0/51

All: 0.000+/-0.000 χ^2/NDF : 23844574.1/107

- sign 0.000+/-0.000 χ^2/NDF : 12434942.3/55

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.010 χ^2/NDF : 26.9/26

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: -0.002 ± 0.010 χ^2/NDF : 38.0/32

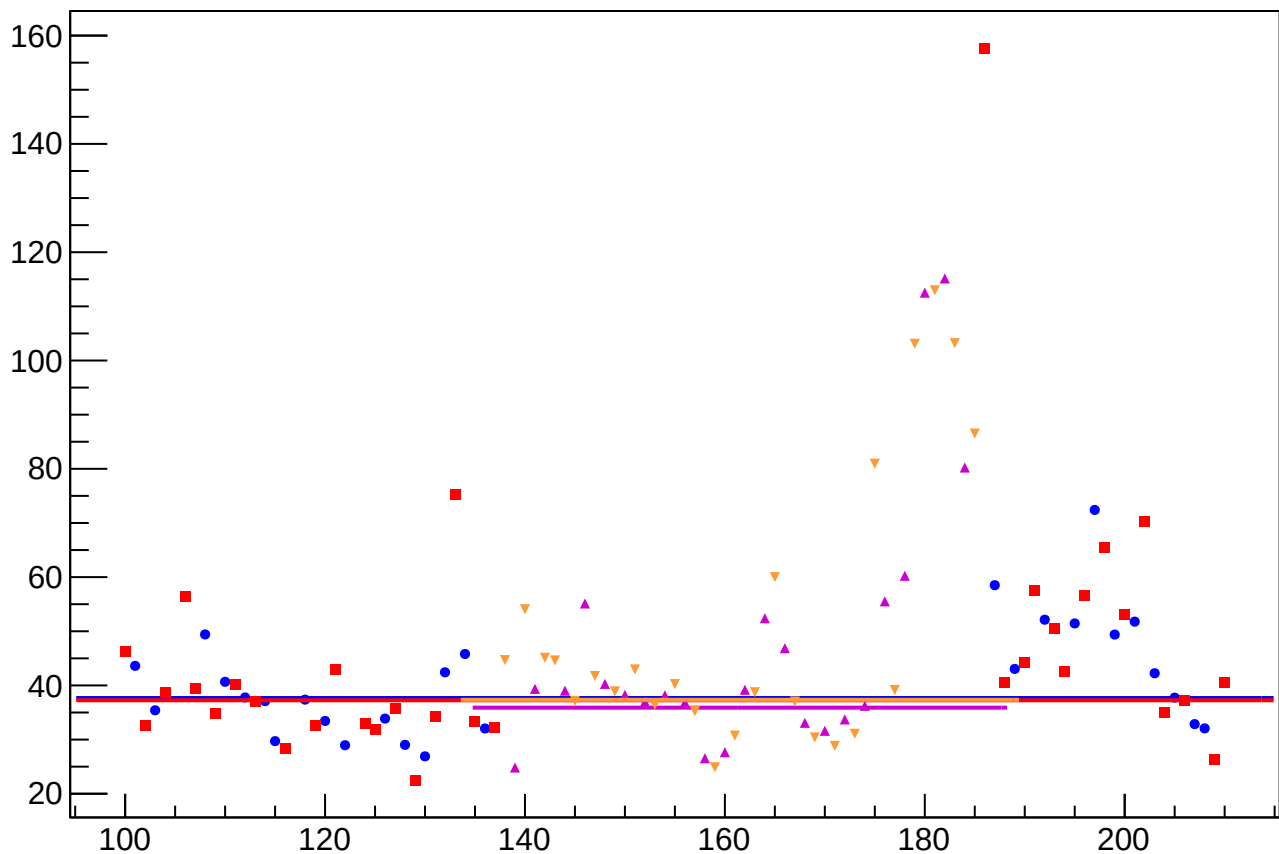
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign 0.000 ± 0.007 χ^2/NDF : 60.0/51

All: -0.001 ± 0.005 χ^2/NDF : 127.9/107

- sign -0.003 ± 0.007 χ^2/NDF : 67.9/55

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.674 $\pm$ 0.007 χ^2 /NDF: 1480668.8/26

Left Out: 37.344 $\pm$ 0.007 χ^2 /NDF: 3696647.0/24

Right Out: 37.255 $\pm$ 0.007 χ^2 /NDF: 2611211.2/32

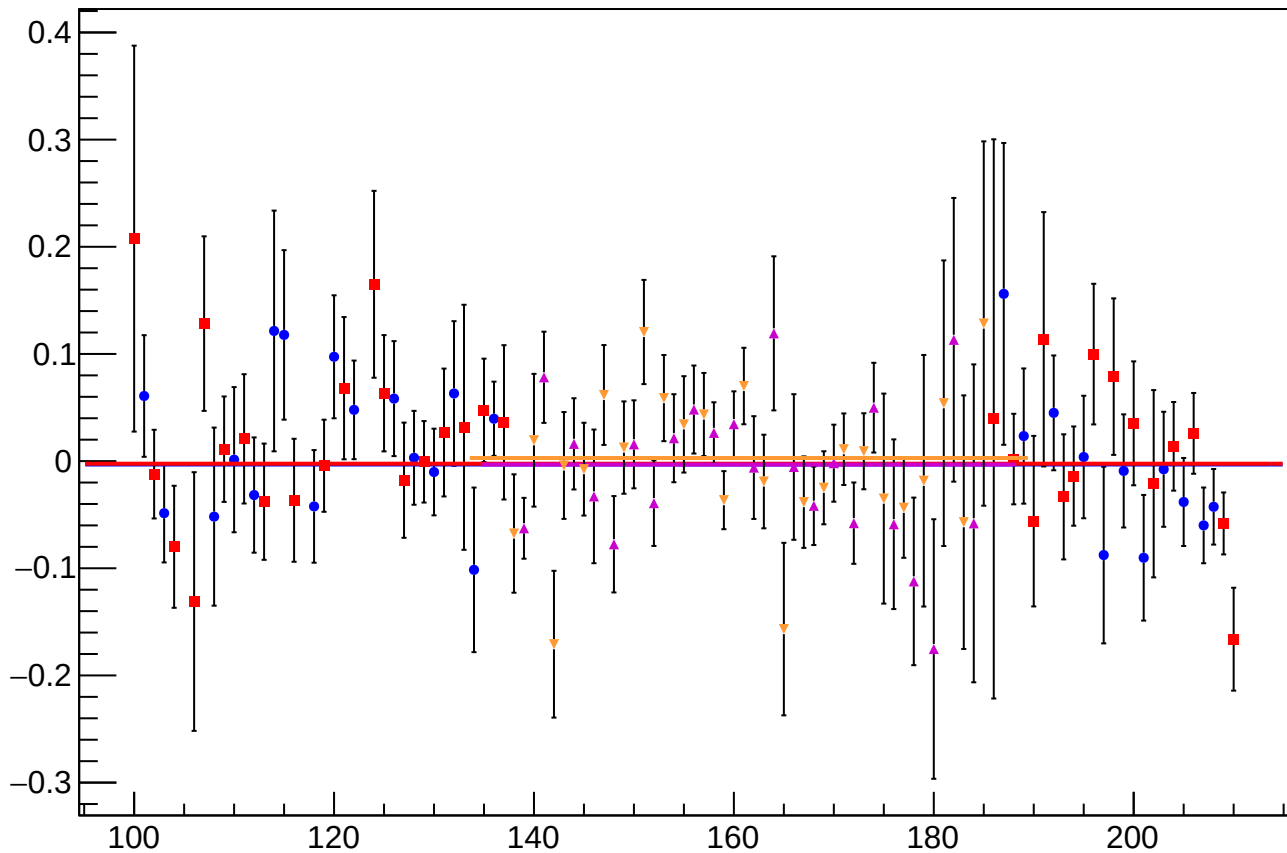
Left In: 35.896 $\pm$ 0.006 χ^2 /NDF: 3138291.6/22

+ sign 37.495 $\pm$ 0.005 χ^2 /NDF: 5178479.1/51

All: 37.007 $\pm$ 0.003 χ^2 /NDF: 10969034.8/107

- sign 36.550 $\pm$ 0.005 χ^2 /NDF: 5770710.1/55

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.010 χ^2/NDF : 26.9/26

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: -0.002 ± 0.010 χ^2/NDF : 38.0/32

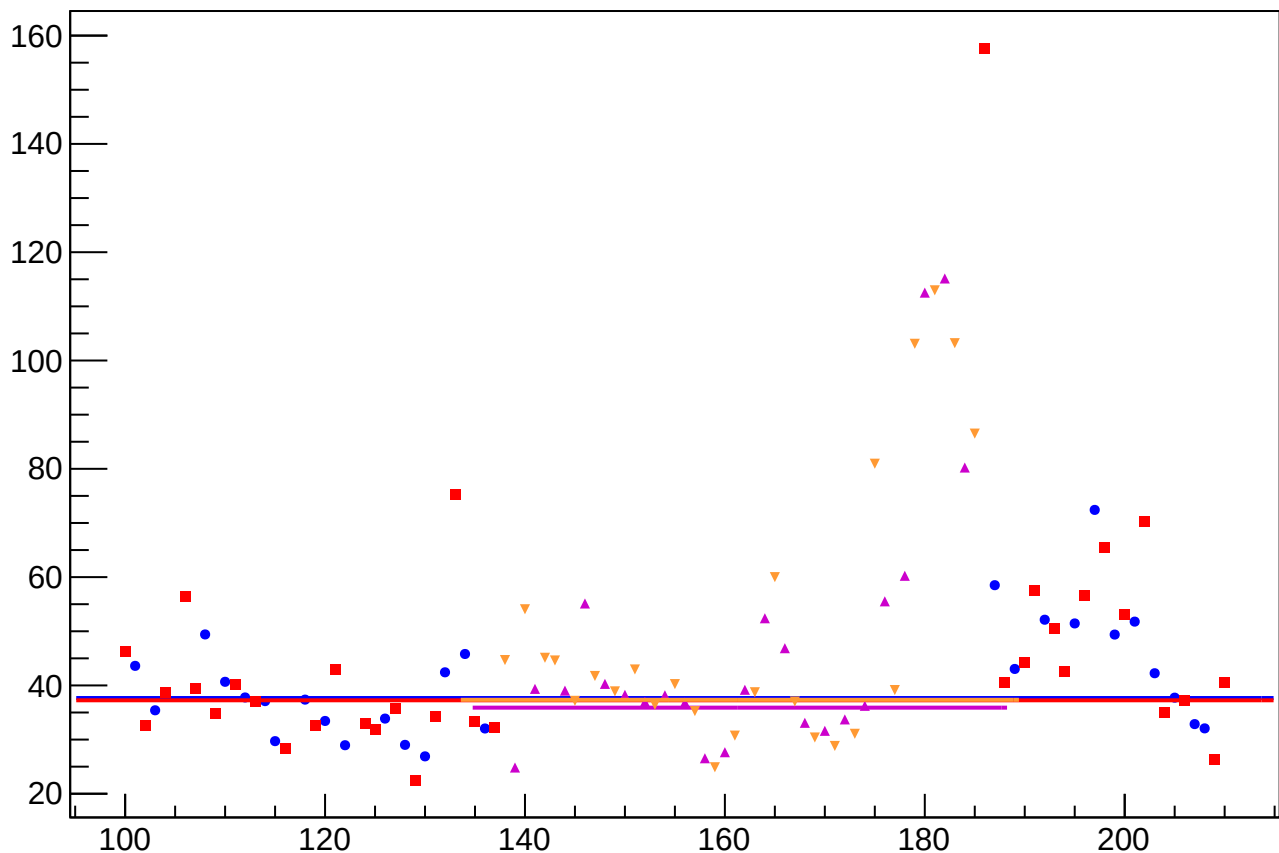
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign 0.000 ± 0.007 χ^2/NDF : 60.0/51

All: -0.001 ± 0.005 χ^2/NDF : 127.9/107

- sign -0.003 ± 0.007 χ^2/NDF : 67.9/55

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.674 $\pm$ 0.007 χ^2 /NDF: 1480668.8/26

Left Out: 37.344 $\pm$ 0.007 χ^2 /NDF: 3696647.0/24

Right Out: 37.255 $\pm$ 0.007 χ^2 /NDF: 2611211.2/32

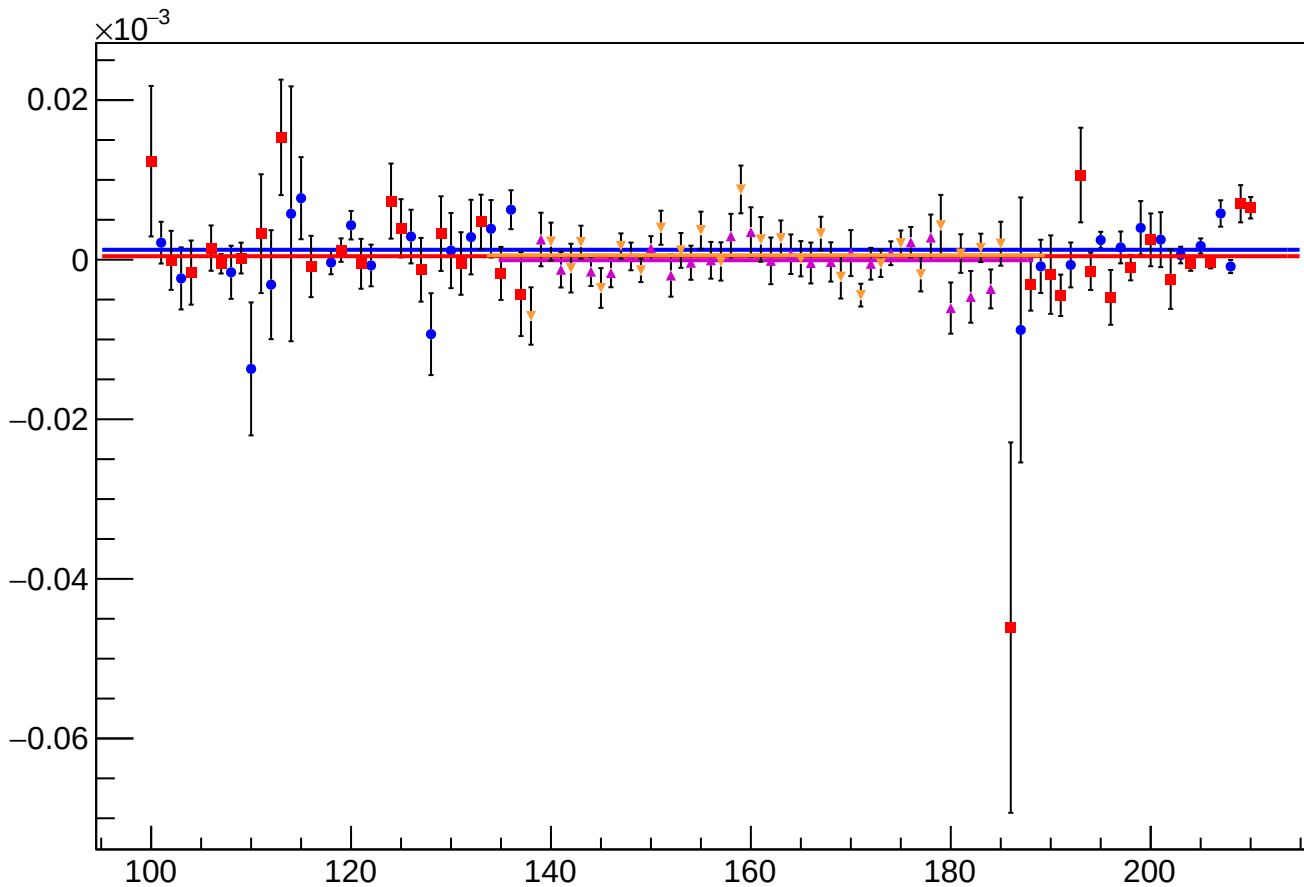
Left In: 35.896 $\pm$ 0.006 χ^2 /NDF: 3138291.6/22

+ sign 37.495 $\pm$ 0.005 χ^2 /NDF: 5178479.1/51

All: 37.007 $\pm$ 0.003 χ^2 /NDF: 10969034.8/107

- sign 36.550 $\pm$ 0.005 χ^2 /NDF: 5770710.1/55

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:43.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 61.3/32

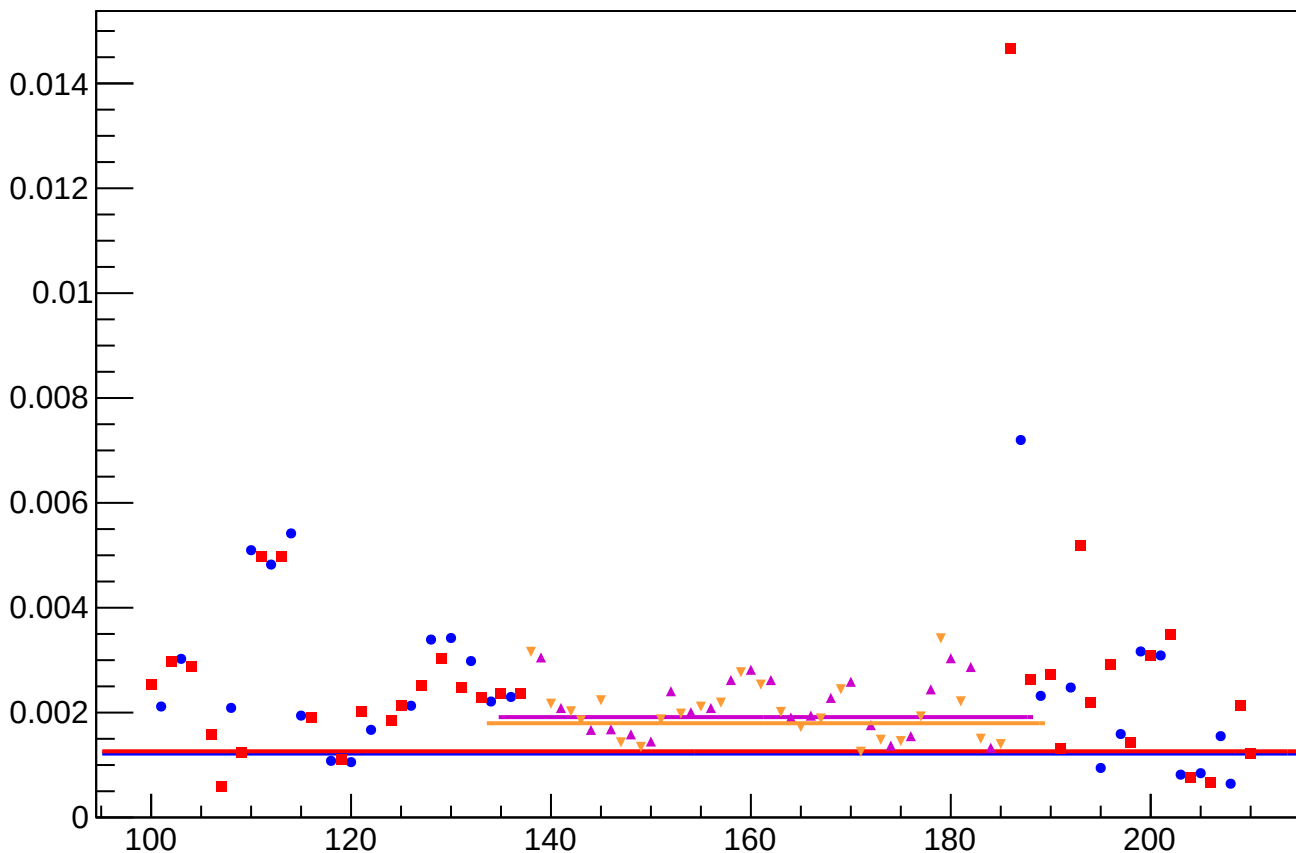
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:16.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 84.1/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 166.1/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 79.0/55

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 7855521.0/26

Left Out: 0.002+/-0.000 χ^2/NDF :2279340.7/24

Right Out: 0.001+/-0.000 χ^2/NDF : 10398540.7/32

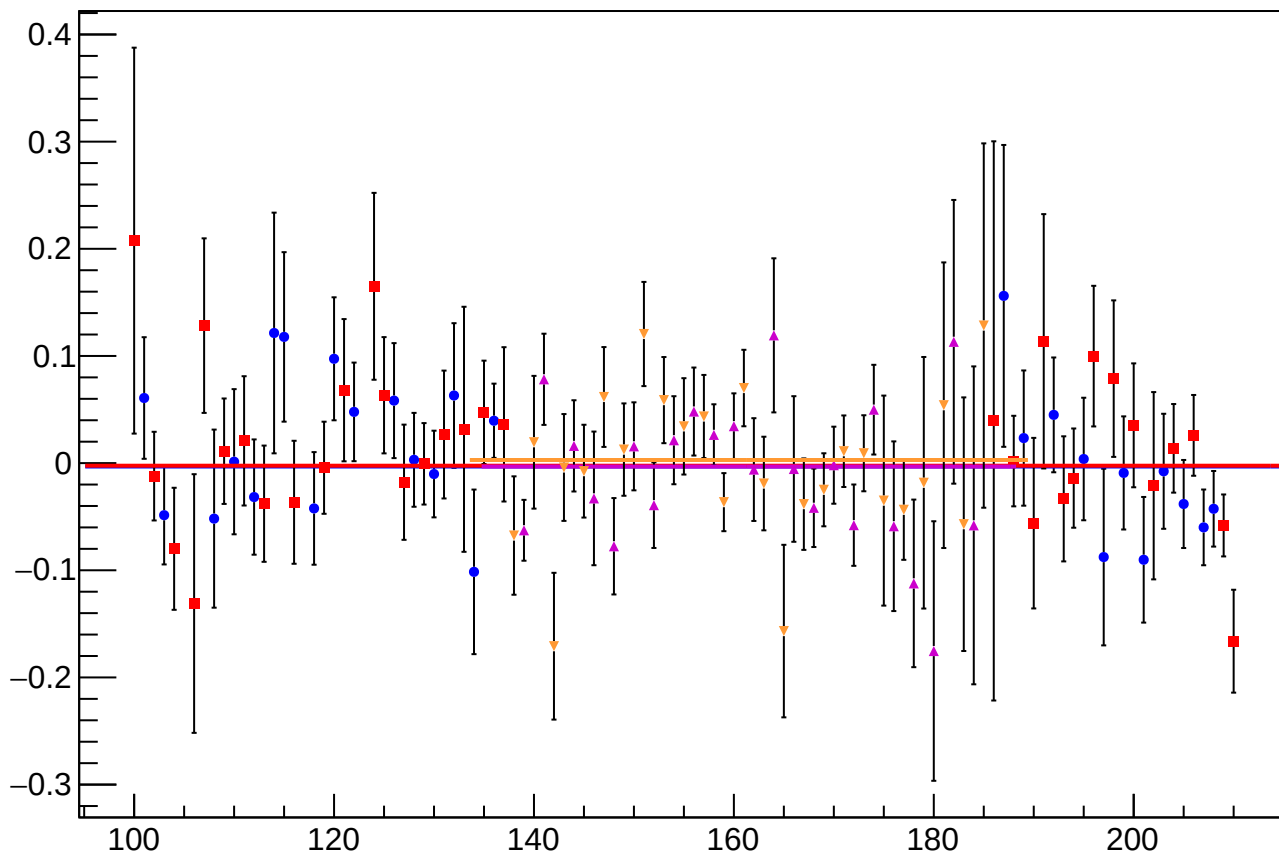
Left In: 0.002+/-0.000 χ^2/NDF :2171715.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 12236799.1/51

All: 0.001+/-0.000 χ^2/NDF : 27248174.2/107

- sign 0.002+/-0.000 χ^2/NDF : 14989379.6/55

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.010 χ^2/NDF : 26.9/26

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: -0.002 ± 0.010 χ^2/NDF : 38.0/32

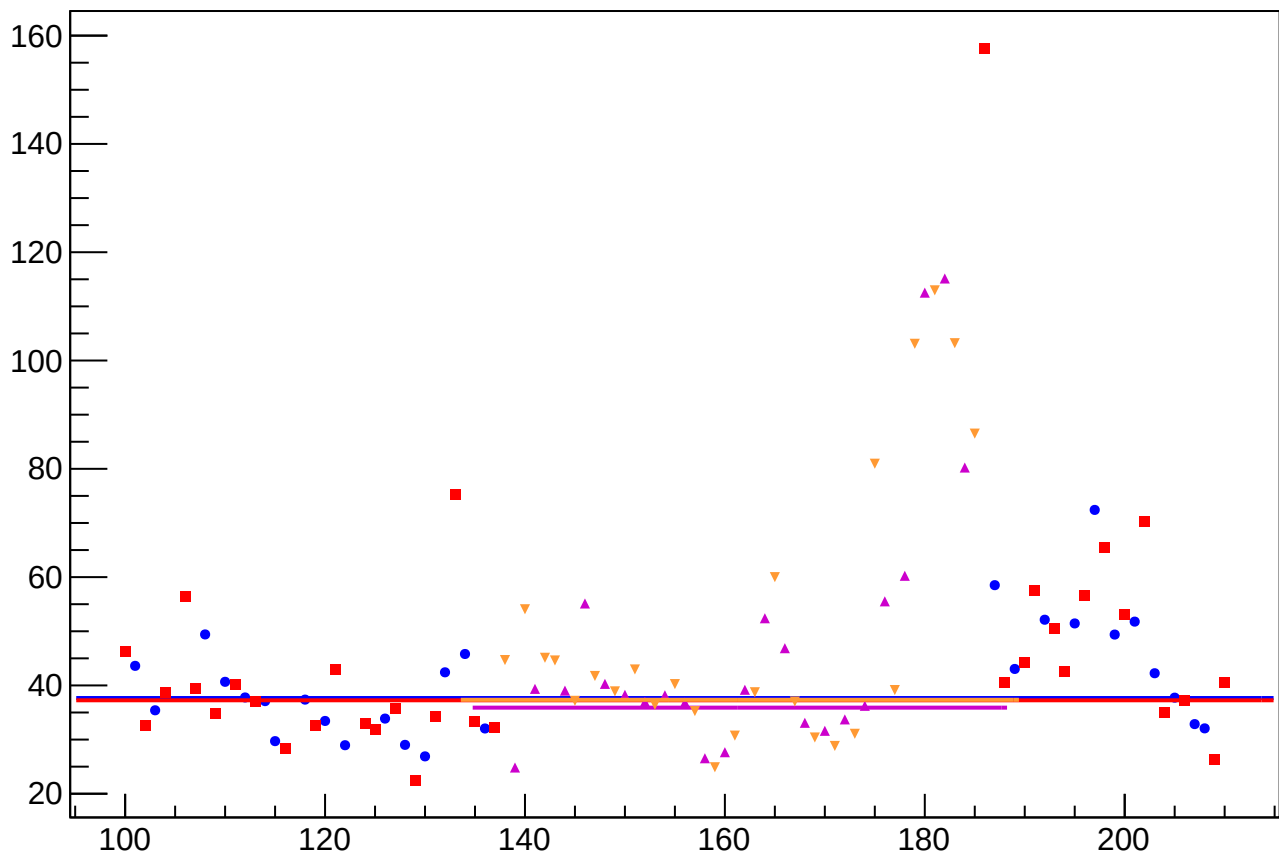
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign 0.000 ± 0.007 χ^2/NDF : 60.0/51

All: -0.001 ± 0.005 χ^2/NDF : 127.9/107

- sign -0.003 ± 0.007 χ^2/NDF : 67.9/55

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.673+/-0.007 χ^2/NDF : 1480762.5/26

Left Out: 37.344+/-0.007 χ^2/NDF : 3696697.3/24

Right Out: 37.255+/-0.007 χ^2/NDF : 2611296.3/32

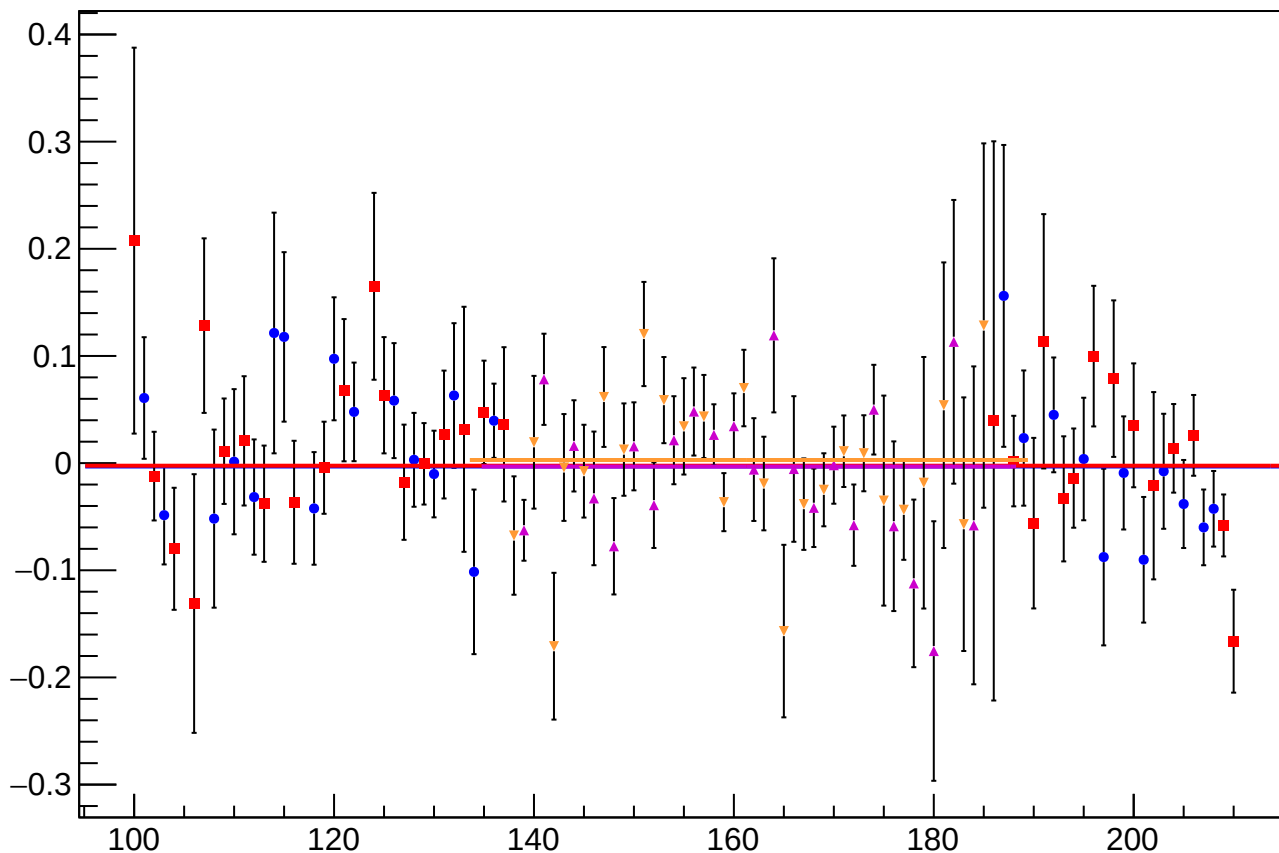
Left In: 35.896+/-0.006 χ^2/NDF : 3138307.4/22

+ sign 37.495+/-0.005 χ^2/NDF : 5178617.7/51

All: 37.007+/-0.003 χ^2/NDF : 10969248.7/107

- sign 36.551+/-0.005 χ^2/NDF : 5770793.2/55

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.010 χ^2/NDF : 26.9/26

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: -0.002 ± 0.010 χ^2/NDF : 38.0/32

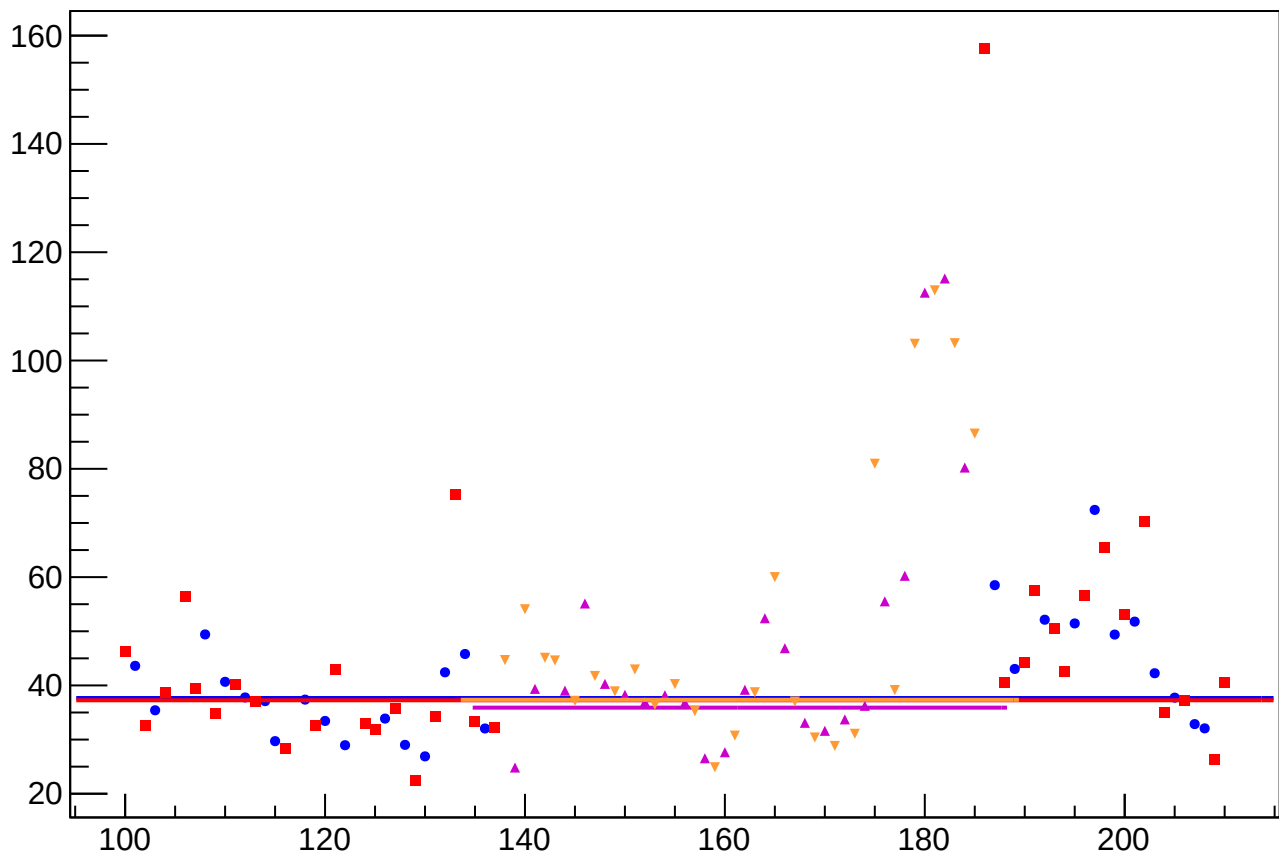
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign 0.000 ± 0.007 χ^2/NDF : 60.0/51

All: -0.001 ± 0.005 χ^2/NDF : 127.9/107

- sign -0.003 ± 0.007 χ^2/NDF : 67.9/55

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.673 $\pm$ 0.007 χ^2 /NDF: 1480762.5/26

Left Out: 37.344 $\pm$ 0.007 χ^2 /NDF: 3696697.3/24

Right Out: 37.255 $\pm$ 0.007 χ^2 /NDF: 2611296.3/32

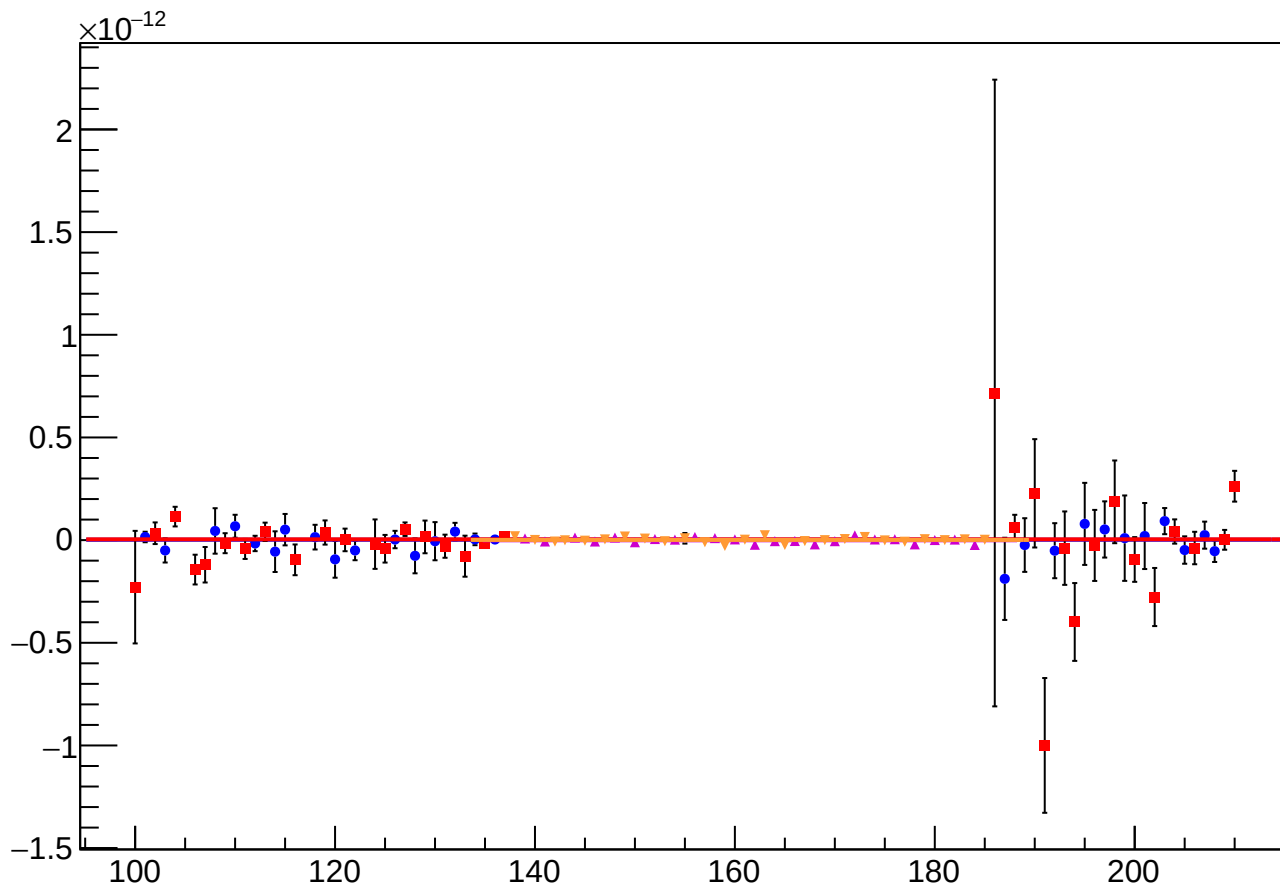
Left In: 35.896 $\pm$ 0.006 χ^2 /NDF: 3138307.4/22

+ sign 37.495 $\pm$ 0.005 χ^2 /NDF: 5178617.7/51

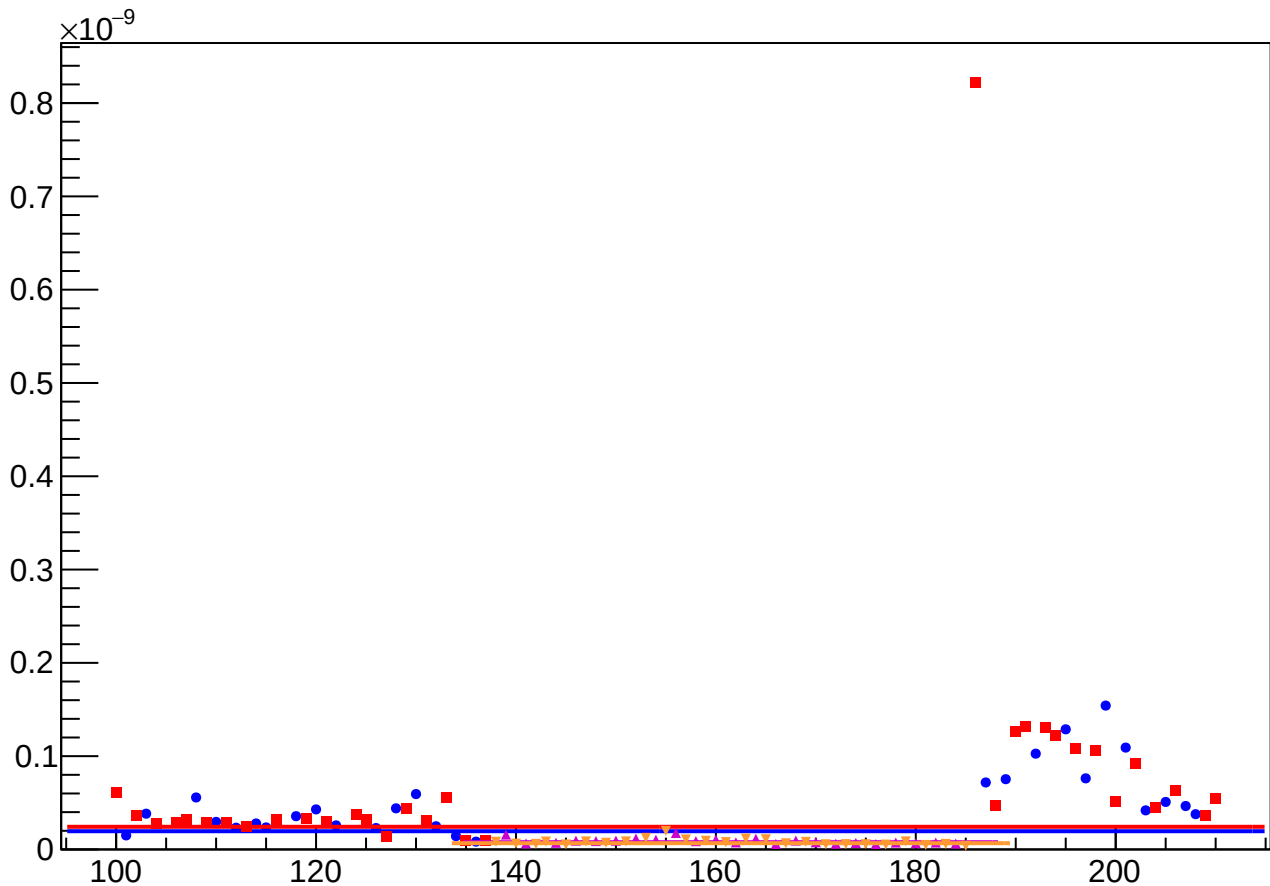
All: 37.007 $\pm$ 0.003 χ^2 /NDF: 10969248.7/107

- sign 36.551 $\pm$ 0.005 χ^2 /NDF: 5770793.2/55

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug



asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8095074.9/26

Left Out: 0.000+/-0.000 χ^2/NDF :2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8057369.2/32

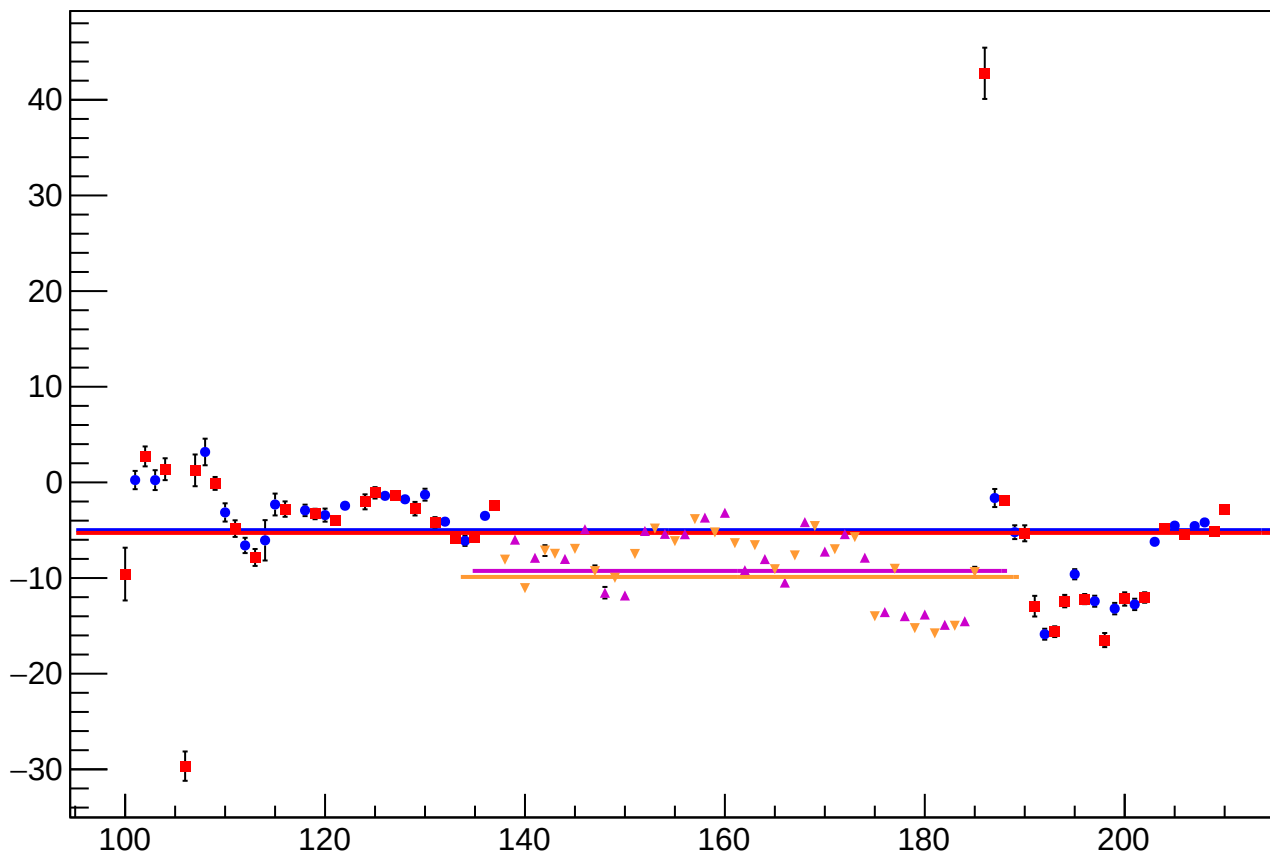
Left In: 0.000+/-0.000 χ^2/NDF :1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 14797219.9/51

All: 0.000+/-0.000 χ^2/NDF : 30567085.0/107

- sign 0.000+/-0.000 χ^2/NDF : 15404890.6/55

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.994 ± 0.100 χ^2/NDF : 1324.8/26

Left Out: -9.886 ± 0.070 χ^2/NDF : 3206.9/24

Right Out: -5.281 ± 0.095 χ^2/NDF : 2295.2/32

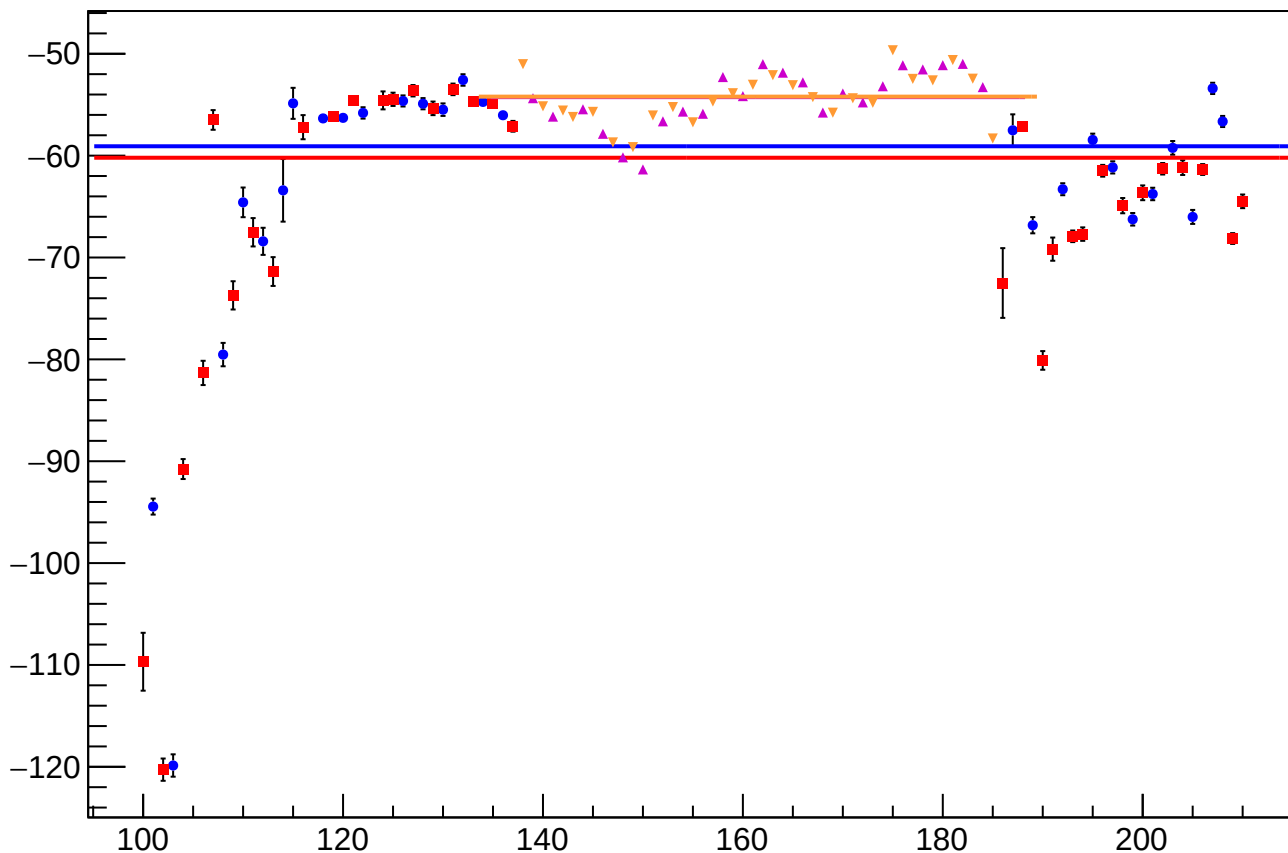
Left In: -9.255 ± 0.072 χ^2/NDF : 3067.6/22

+ sign -8.291 ± 0.057 χ^2/NDF : 6146.4/51

All: -8.056 ± 0.040 χ^2/NDF : 12655.2/107

- sign -7.819 ± 0.057 χ^2/NDF : 6474.8/55

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.080 ± 0.111 χ^2/NDF : 6749.9/26

Left Out: -54.206 ± 0.056 χ^2/NDF : 1857.6/24

Right Out: -60.206 ± 0.108 χ^2/NDF : 7335.6/32

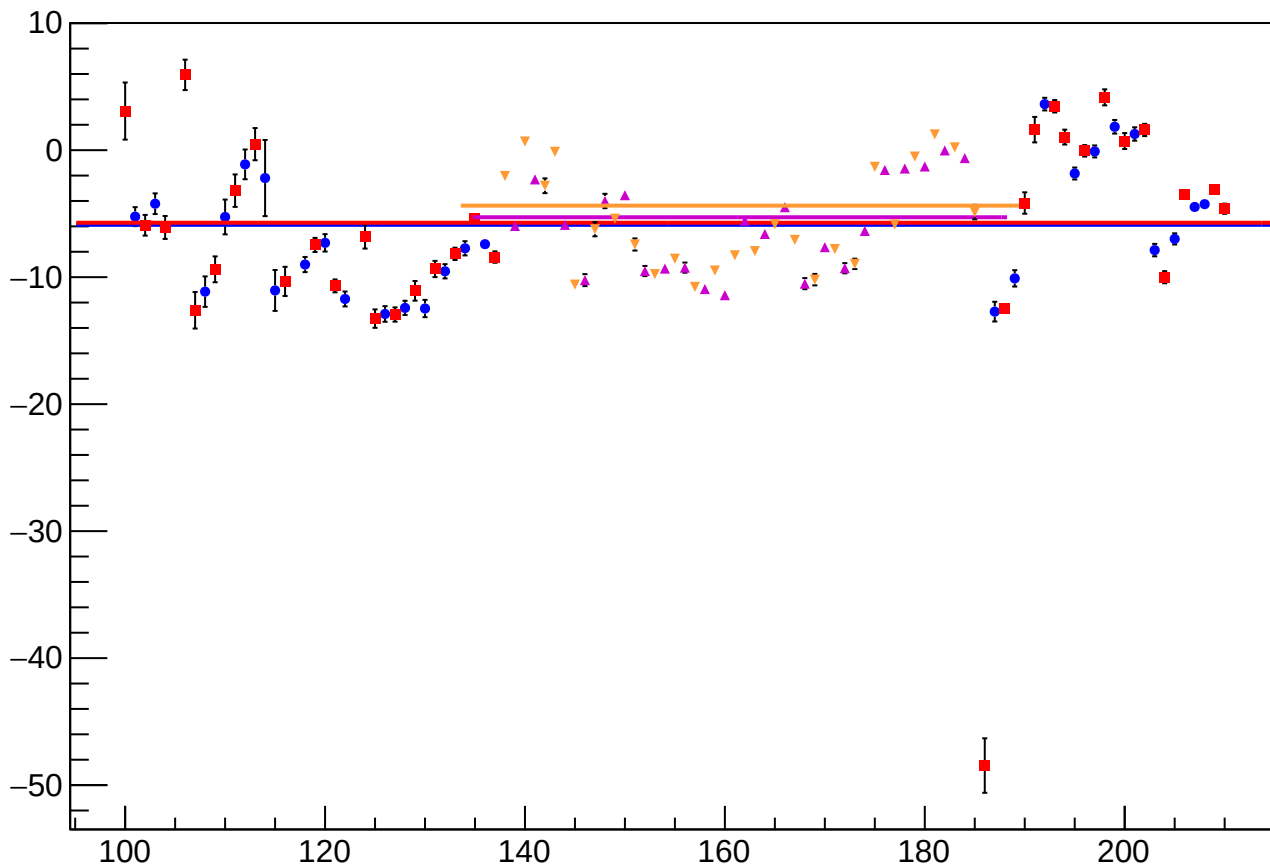
Left In: -54.257 ± 0.058 χ^2/NDF : 2489.9/22

+ sign -55.188 ± 0.050 χ^2/NDF : 10142.8/51

All: -55.383 ± 0.036 χ^2/NDF : 22332.3/107

- sign -55.591 ± 0.051 χ^2/NDF : 12157.9/55

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -5.878 ± 0.100 χ^2/NDF : 1809.9/26

Left Out: -4.366 ± 0.069 χ^2/NDF : 3701.4/24

Right Out: -5.713 ± 0.094 χ^2/NDF : 3267.7/32

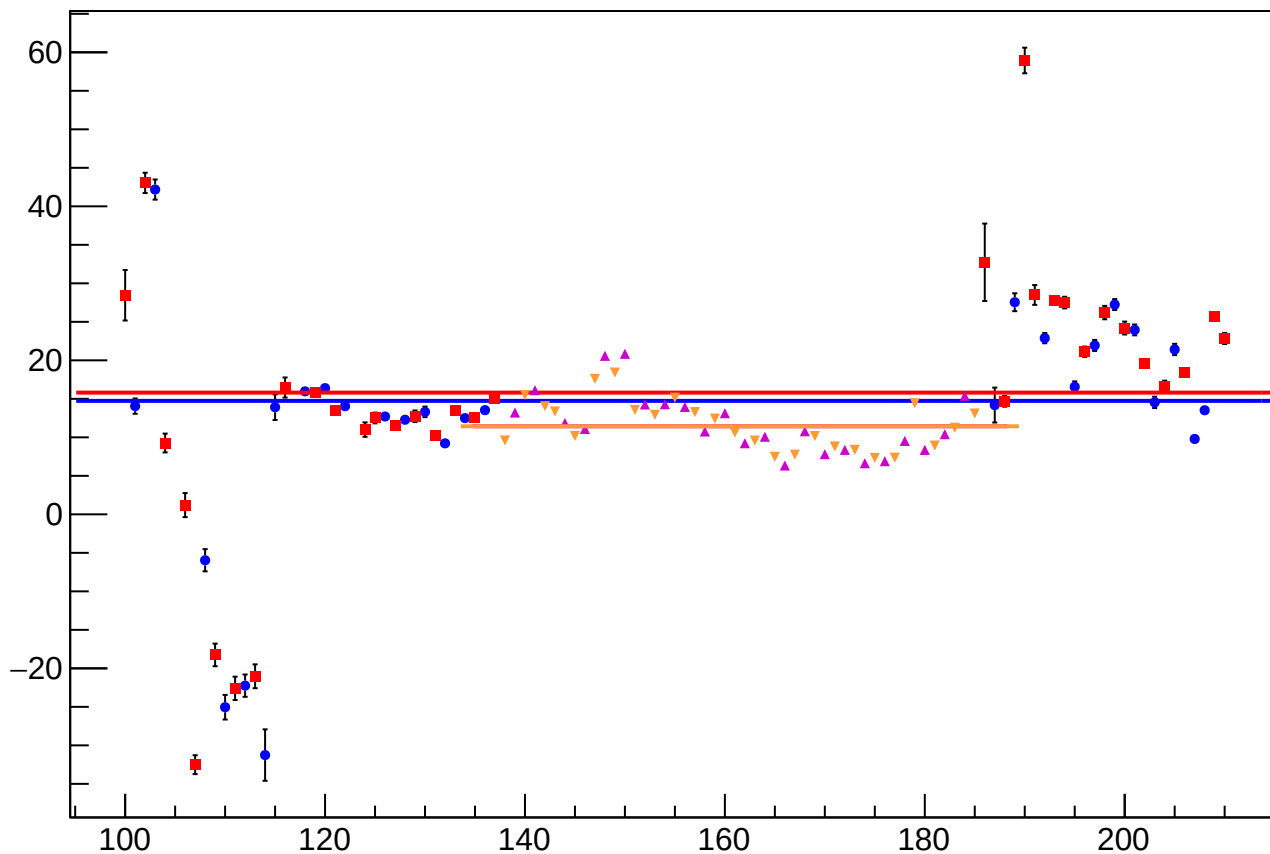
Left In: -5.283 ± 0.071 χ^2/NDF : 2750.2/22

+ sign -4.855 ± 0.057 χ^2/NDF : 5665.4/51

All: -5.148 ± 0.040 χ^2/NDF : 11749.2/107

- sign -5.439 ± 0.057 χ^2/NDF : 6031.1/55

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 14.737 $\pm$ 0.124 χ^2 /NDF: 3304.7/26

Left Out: 11.438 $\pm$ 0.062 χ^2 /NDF: 2435.7/24

Right Out: 15.811 $\pm$ 0.123 χ^2 /NDF: 6328.9/32

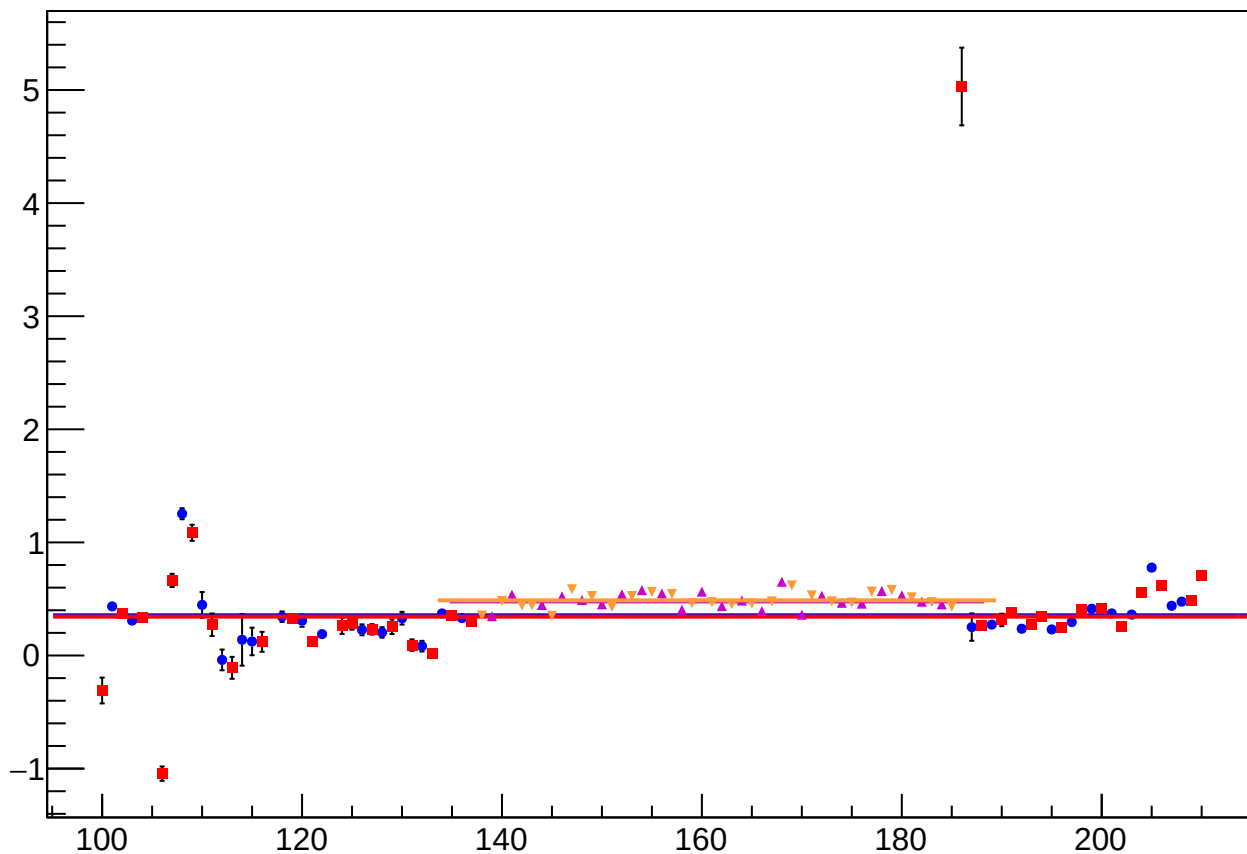
Left In: 11.441 $\pm$ 0.064 χ^2 /NDF: 3358.4/22

+ sign 12.096 $\pm$ 0.055 χ^2 /NDF: 6305.7/51

All: 12.232 $\pm$ 0.040 χ^2 /NDF: 16995.8/107

- sign 12.375 $\pm$ 0.057 χ^2 /NDF: 10677.8/55

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.356 ± 0.005 χ^2/NDF : 723.5/26

Left Out: 0.488 ± 0.003 χ^2/NDF : 539.4/24

Right Out: 0.344 ± 0.005 χ^2/NDF : 1451.5/32

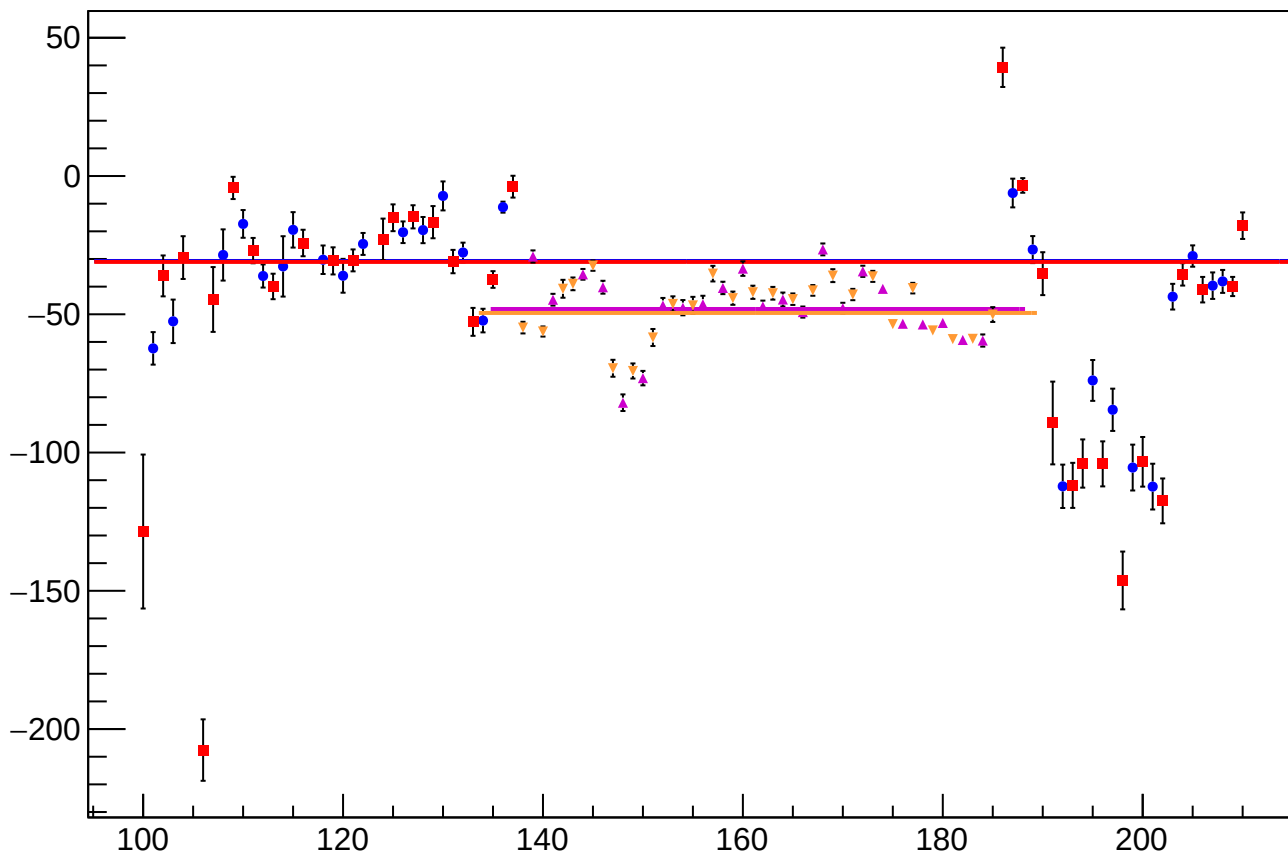
Left In: 0.478 ± 0.003 χ^2/NDF : 798.2/22

+ sign 0.461 ± 0.002 χ^2/NDF : 1740.3/51

All: 0.456 ± 0.002 χ^2/NDF : 4495.1/107

- sign 0.450 ± 0.002 χ^2/NDF : 2745.8/55

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -30.728 ± 0.905 χ^2/NDF : 614.6/26

Left Out: -49.516 ± 0.402 χ^2/NDF : 576.3/24

Right Out: -31.059 ± 0.887 χ^2/NDF : 1212.7/32

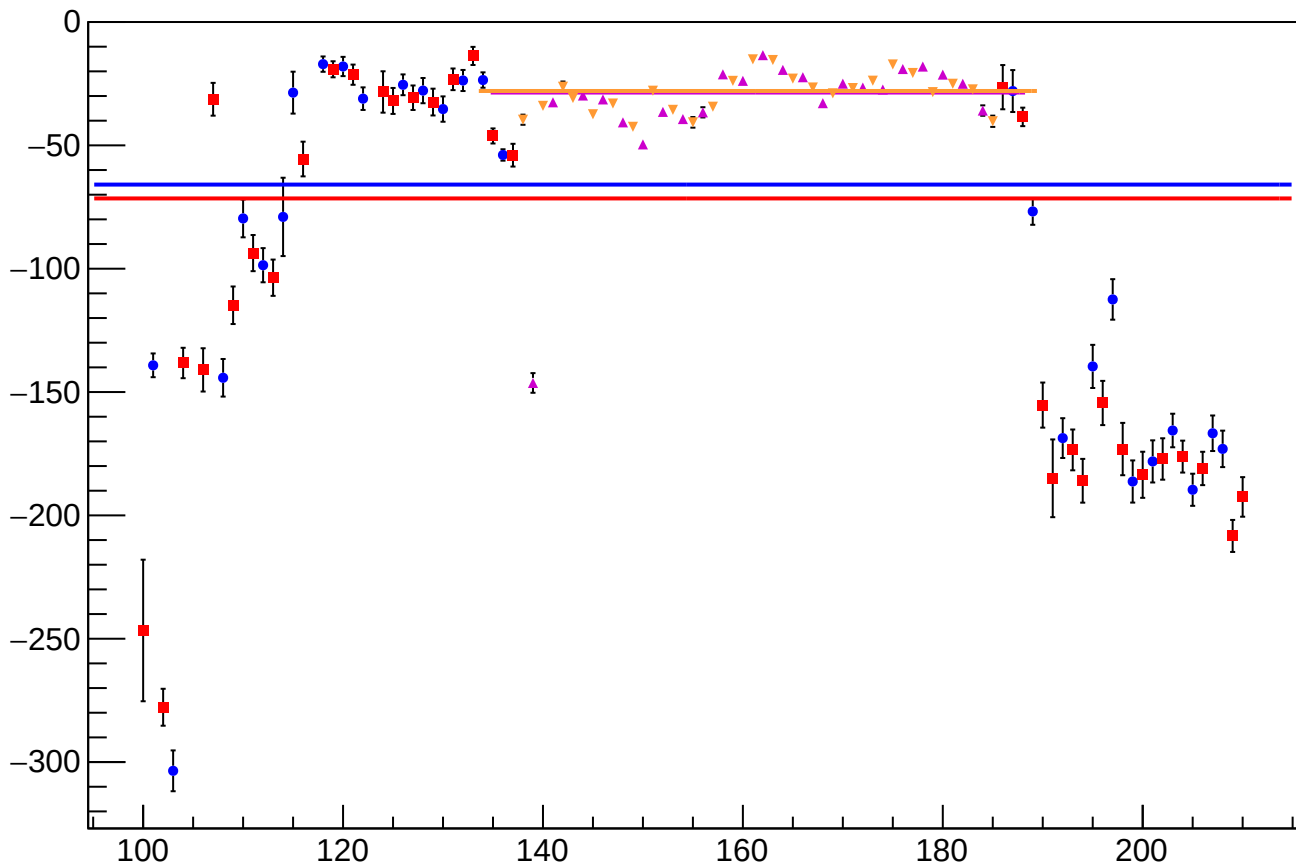
Left In: -48.087 ± 0.418 χ^2/NDF : 706.2/22

+ sign -46.412 ± 0.368 χ^2/NDF : 1551.1/51

All: -45.719 ± 0.264 χ^2/NDF : 3779.0/107

- sign -44.984 ± 0.378 χ^2/NDF : 2220.6/55

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -65.902 ± 0.987 $\chi^2/\text{NDF}: 3798.0/26$

Left Out: -27.957 ± 0.321 $\chi^2/\text{NDF}: 497.7/24$

Right Out: -71.518 ± 1.013 $\chi^2/\text{NDF}: 4375.1/32$

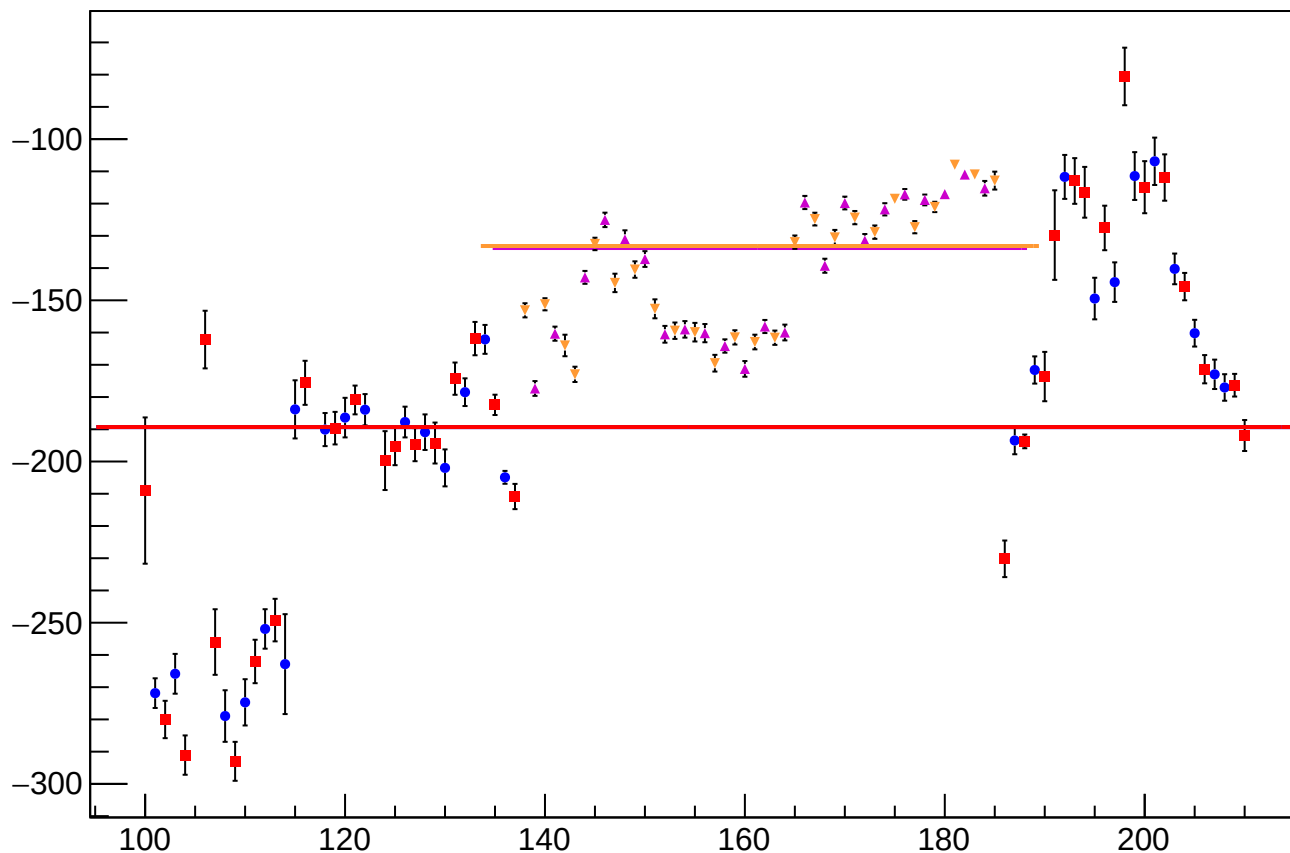
Left In: -28.592 ± 0.334 $\chi^2/\text{NDF}: 1480.6/22$

+ sign -31.589 ± 0.305 $\chi^2/\text{NDF}: 5632.3/51$

All: -32.168 ± 0.220 $\chi^2/\text{NDF}: 13115.2/107$

- sign -32.792 ± 0.317 $\chi^2/\text{NDF}: 7475.4/55$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -189.338 ± 0.933 $\chi^2/\text{NDF}: 1634.1/26$

Left Out: -133.155 ± 0.403 $\chi^2/\text{NDF}: 2530.7/24$

Right Out: -189.311 ± 0.905 $\chi^2/\text{NDF}: 1998.9/32$

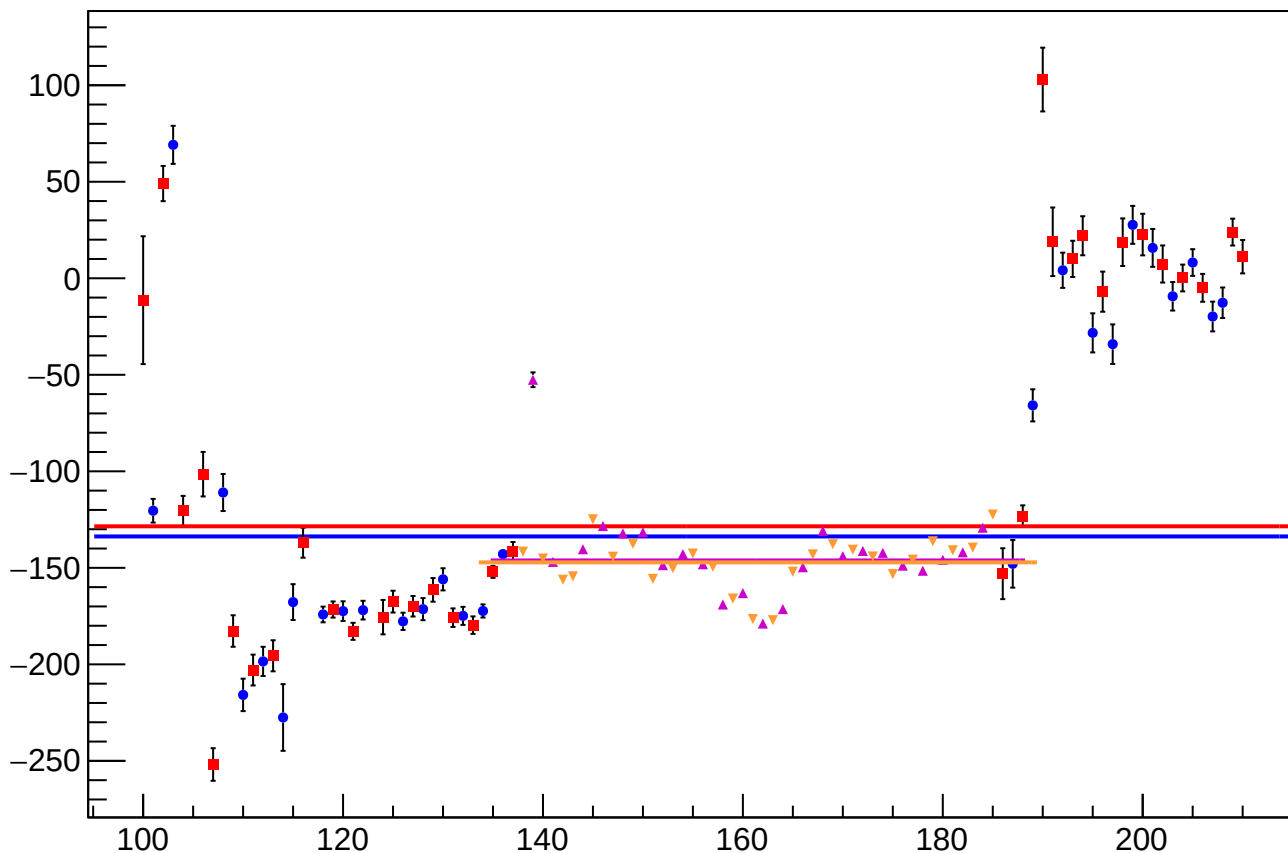
Left In: -133.777 ± 0.417 $\chi^2/\text{NDF}: 2440.7/22$

+ sign -141.991 ± 0.370 $\chi^2/\text{NDF}: 7222.8/51$

All: -142.728 ± 0.265 $\chi^2/\text{NDF}: 14775.8/107$

- sign -143.500 ± 0.379 $\chi^2/\text{NDF}: 7544.9/55$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -133.739 $\pm$ 1.110 χ^2 /NDF: 3401.9/26

Left Out: -147.167 $\pm$ 0.358 χ^2 /NDF:1245.6/24

Right Out: -128.490 $\pm$ 1.158 χ^2 /NDF: 4290.7/32

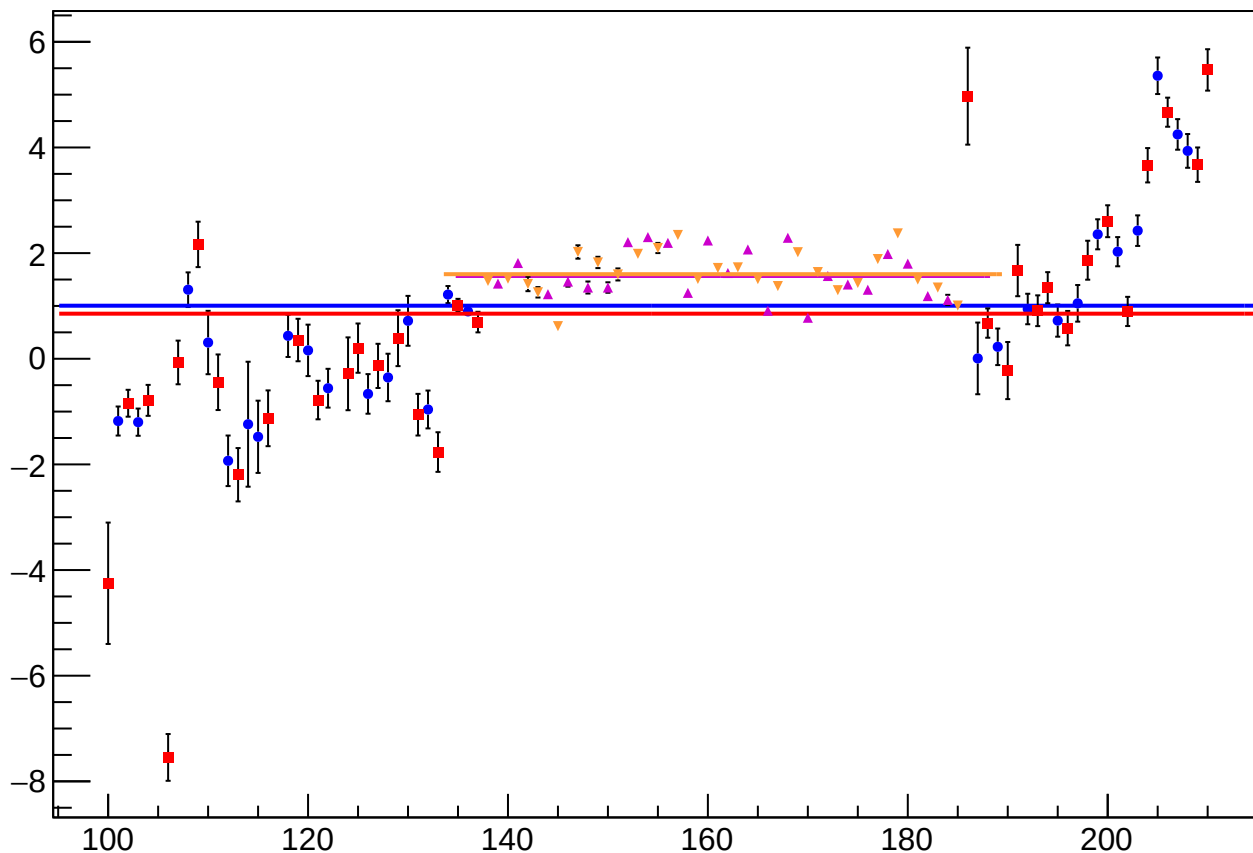
Left In: -146.173 $\pm$ 0.371 χ^2 /NDF:1793.8/22

+ sign -145.902 $\pm$ 0.341 χ^2 /NDF: 4780.0/51

All: -145.240 $\pm$ 0.245 χ^2 /NDF: 11083.8/107

- sign -144.531 $\pm$ 0.353 χ^2 /NDF: 6296.0/55

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.004 $\pm$ 0.054 χ^2 /NDF: 715.0/26

Left Out: 1.601 $\pm$ 0.016 χ^2 /NDF: 581.8/24

Right Out: 0.853 $\pm$ 0.056 χ^2 /NDF: 1185.9/32

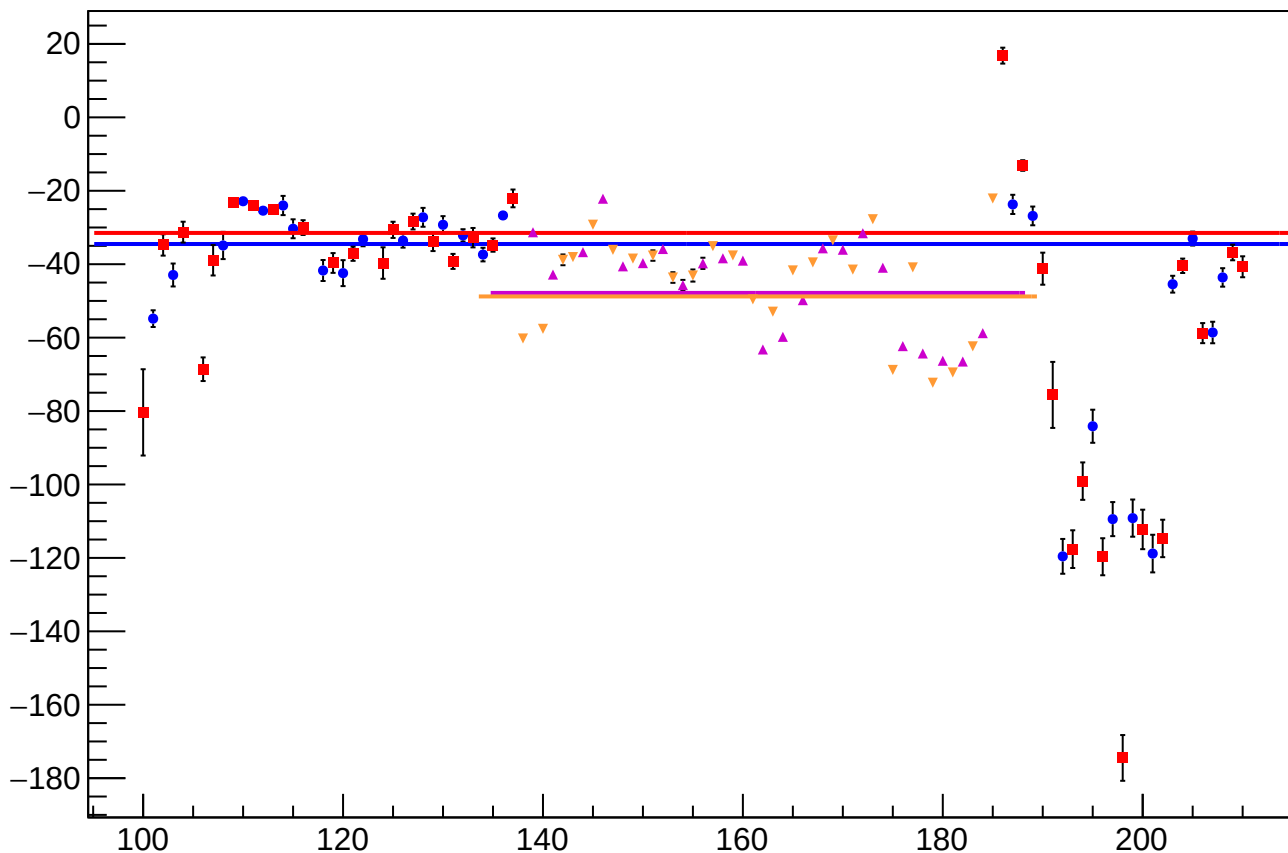
Left In: 1.567 $\pm$ 0.016 χ^2 /NDF: 735.2/22

+ sign 1.552 $\pm$ 0.015 χ^2 /NDF: 1410.3/51

All: 1.533 $\pm$ 0.011 χ^2 /NDF: 3483.2/107

- sign 1.512 $\pm$ 0.016 χ^2 /NDF: 2069.4/55

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -34.500 ± 0.414 $\chi^2/\text{NDF}: 1655.1/26$

Left Out: -48.783 ± 0.167 $\chi^2/\text{NDF}: 8953.8/24$

Right Out: -31.482 ± 0.388 $\chi^2/\text{NDF}: 2953.2/32$

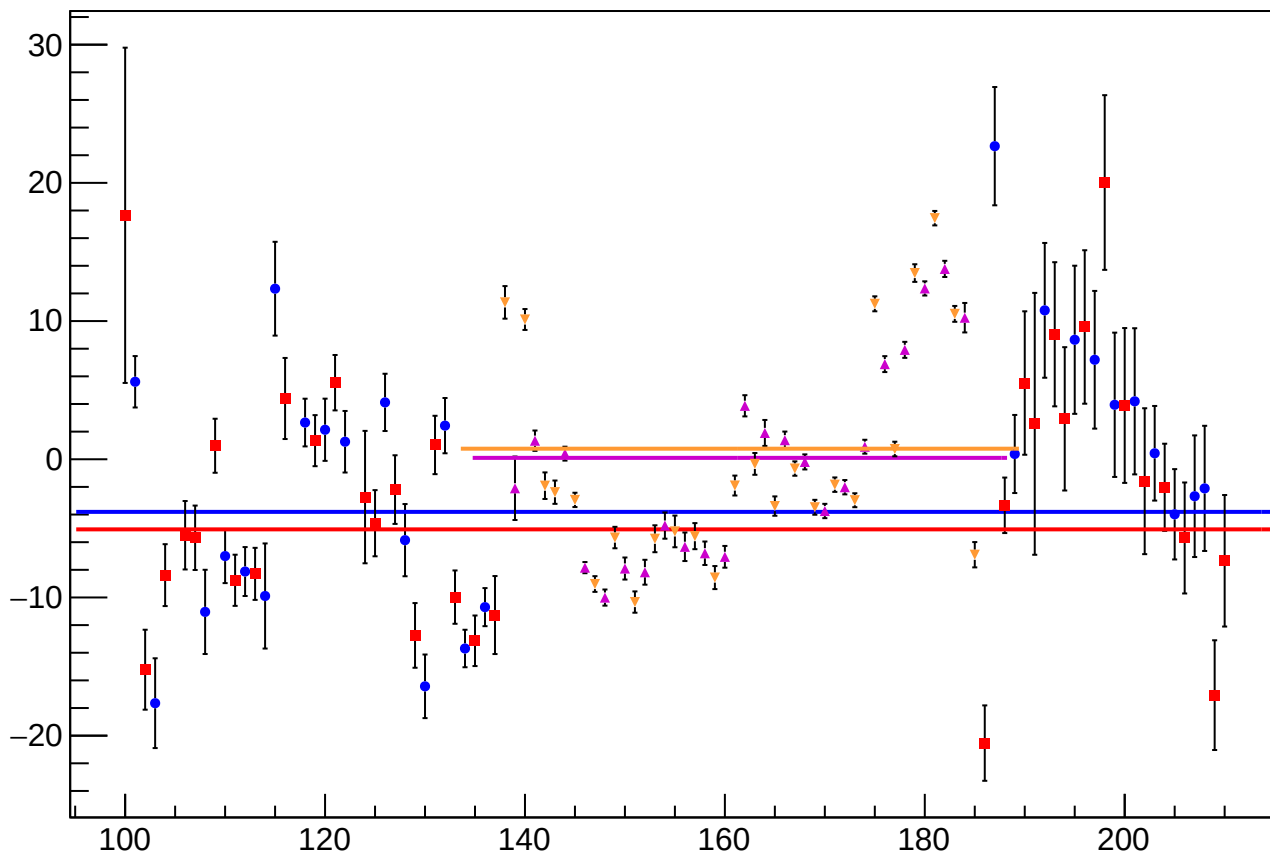
Left In: -47.822 ± 0.170 $\chi^2/\text{NDF}: 7223.0/22$

+ sign -46.791 ± 0.155 $\chi^2/\text{NDF}: 11632.0/51$

All: -45.996 ± 0.110 $\chi^2/\text{NDF}: 23349.4/107$

- sign -45.191 ± 0.156 $\chi^2/\text{NDF}: 11664.3/55$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.807 ± 0.471 χ^2/NDF : 308.5/26

Left Out: 0.765 ± 0.132 χ^2/NDF : 3467.2/24

Right Out: -5.072 ± 0.469 χ^2/NDF : 220.0/32

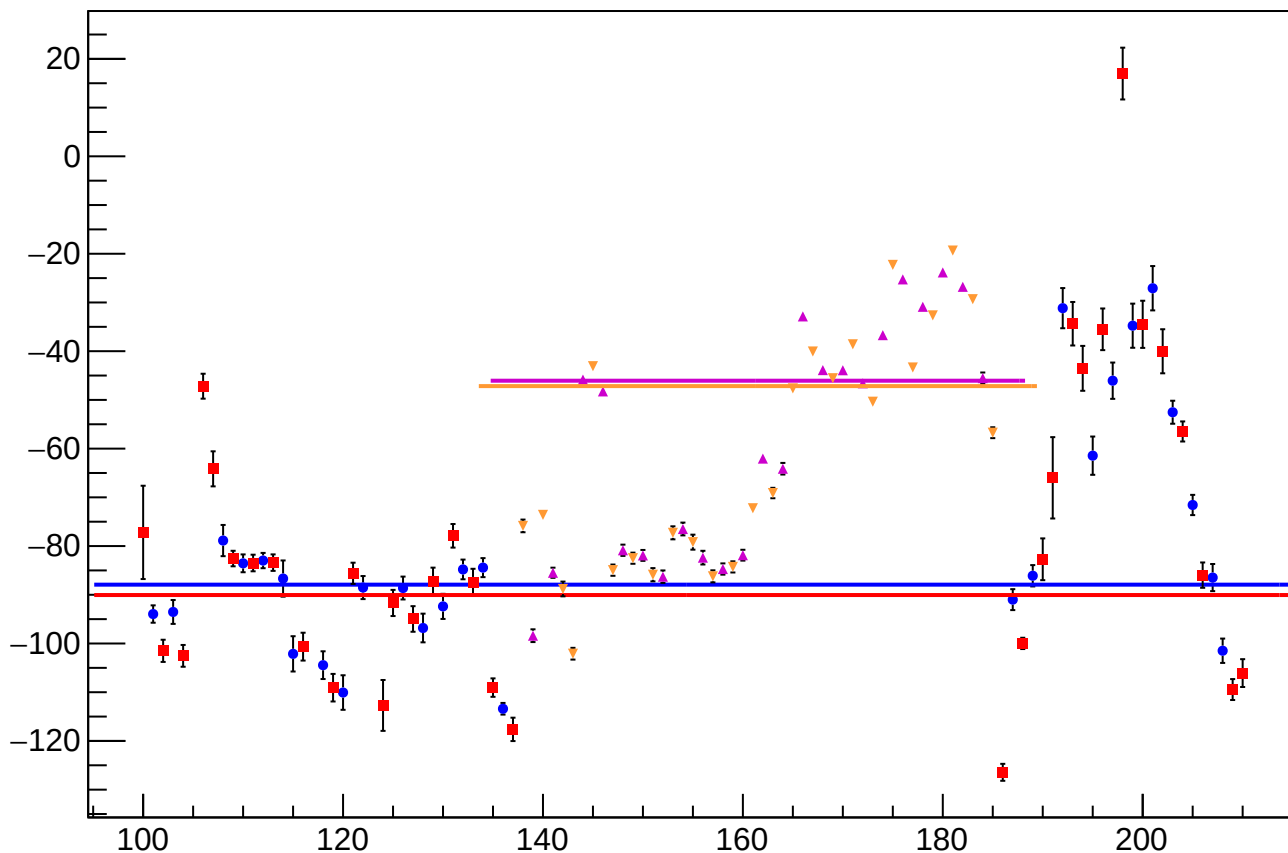
Left In: 0.102 ± 0.133 χ^2/NDF : 2721.8/22

+ sign 0.432 ± 0.127 χ^2/NDF : 3862.9/51

All: 0.076 ± 0.090 χ^2/NDF : 6933.1/107

- sign -0.283 ± 0.128 χ^2/NDF : 3054.5/55

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -87.922 ± 0.452 χ^2/NDF : 1597.0/26

Left Out: -47.167 ± 0.168 χ^2/NDF : 17658.5/24

Right Out: -90.053 ± 0.425 χ^2/NDF : 2772.6/32

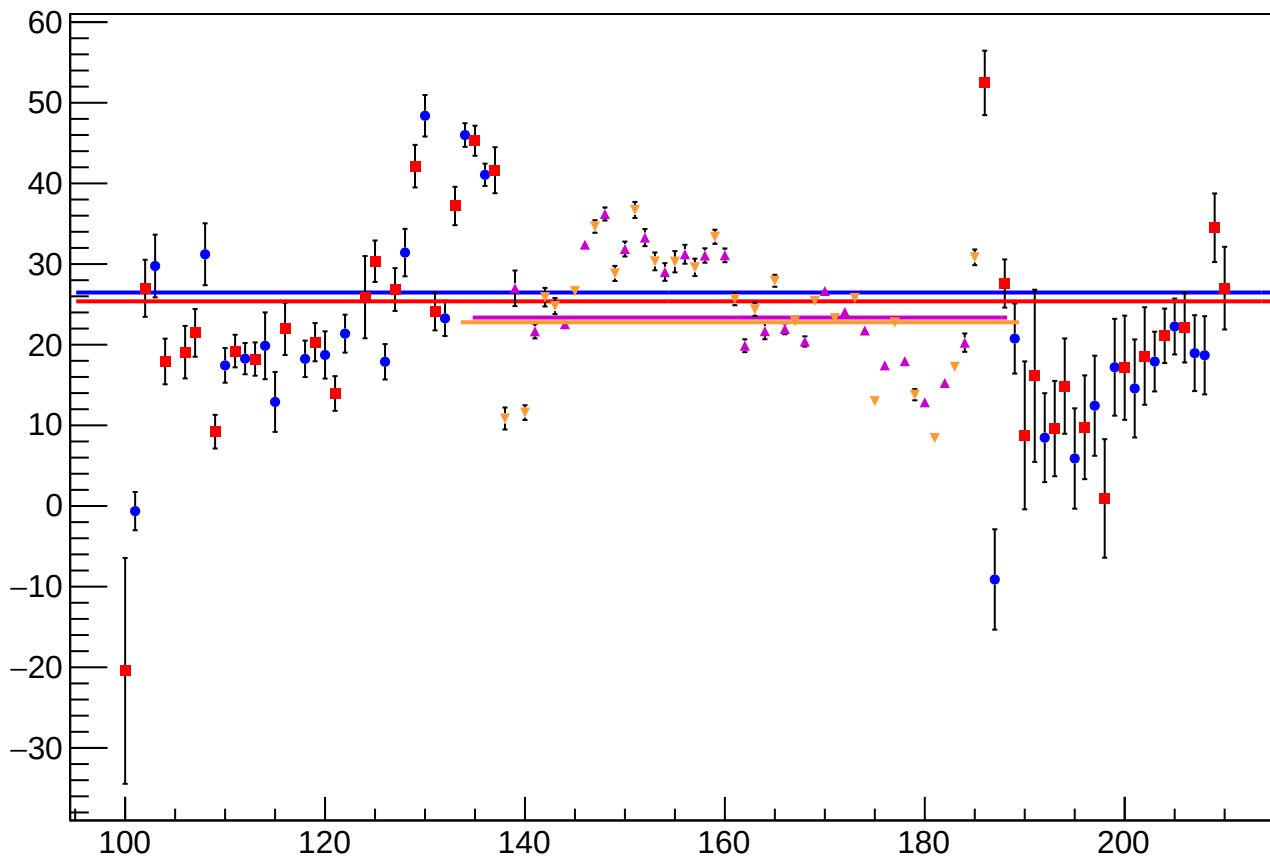
Left In: -46.058 ± 0.170 χ^2/NDF : 14769.8/22

+ sign -52.082 ± 0.157 χ^2/NDF : 26391.6/51

All: -52.110 ± 0.111 χ^2/NDF : 53172.1/107

- sign -52.138 ± 0.158 χ^2/NDF : 26780.5/55

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.471 ± 0.531 $\chi^2/\text{NDF}: 670.3/26$

Left Out: 22.782 ± 0.147 $\chi^2/\text{NDF}: 2412.9/24$

Right Out: 25.377 ± 0.538 $\chi^2/\text{NDF}: 442.2/32$

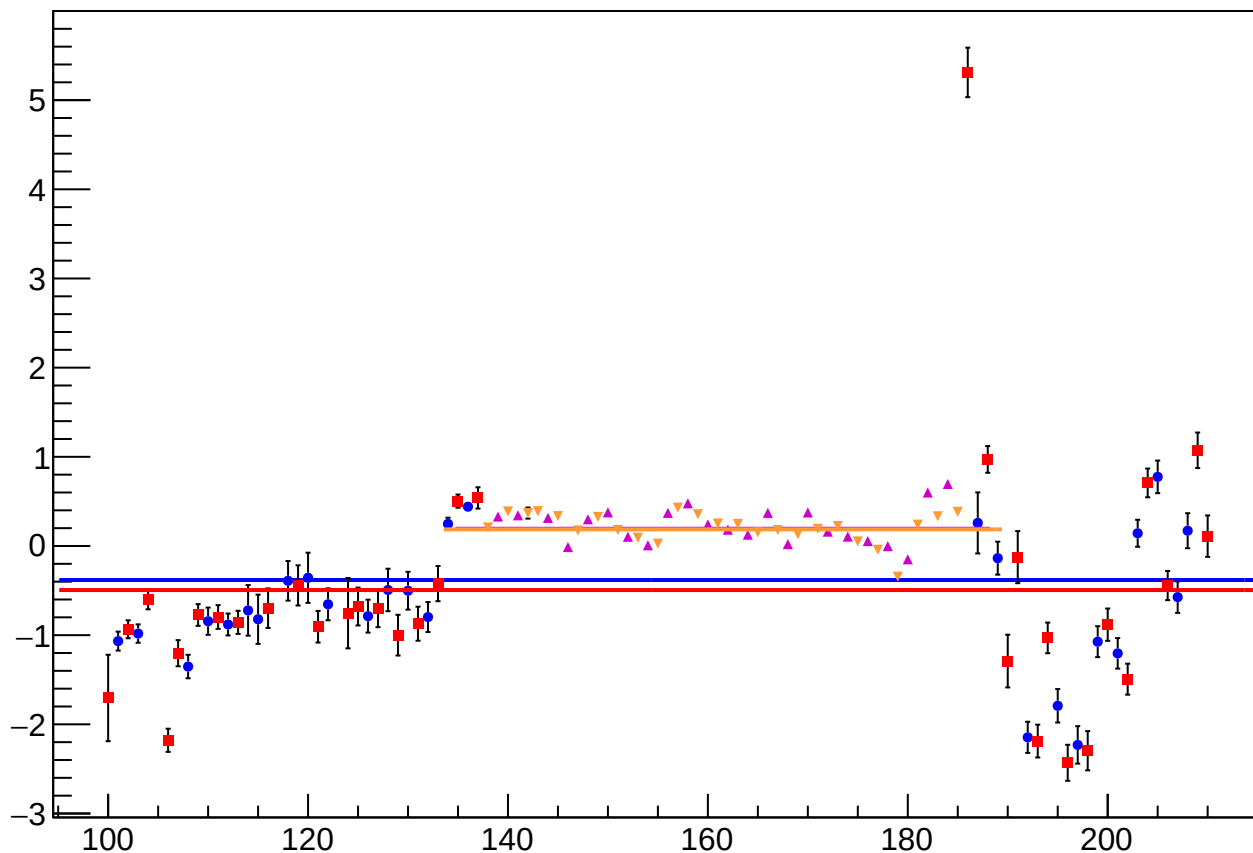
Left In: 23.366 ± 0.149 $\chi^2/\text{NDF}: 1785.4/22$

+ sign 23.046 ± 0.142 $\chi^2/\text{NDF}: 3128.1/51$

All: 23.275 ± 0.101 $\chi^2/\text{NDF}: 5373.9/107$

- sign 23.508 ± 0.143 $\chi^2/\text{NDF}: 2240.5/55$

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.382 ± 0.027 $\chi^2/\text{NDF}: 809.0/26$

Left Out: 0.186 ± 0.007 $\chi^2/\text{NDF}: 645.7/24$

Right Out: -0.494 ± 0.028 $\chi^2/\text{NDF}: 1469.6/32$

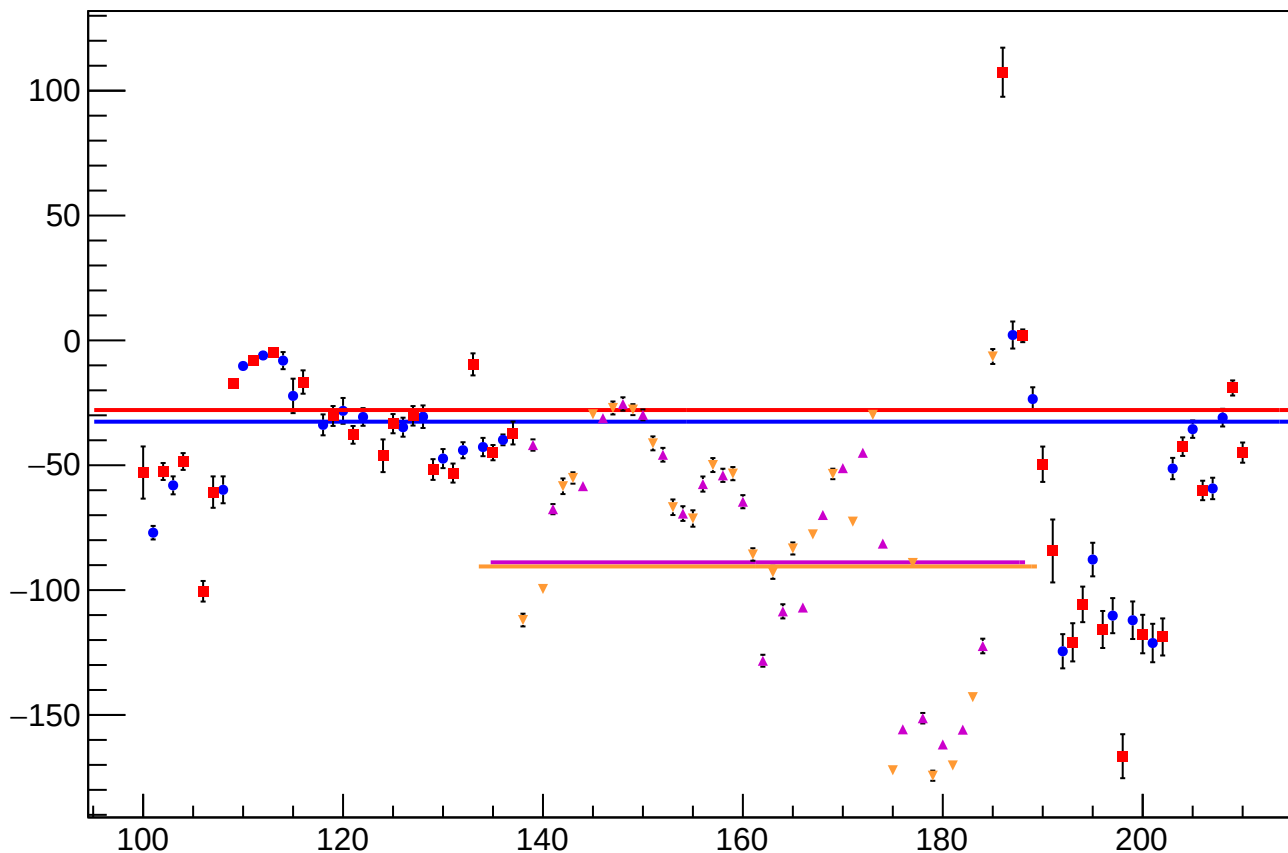
Left In: 0.193 ± 0.007 $\chi^2/\text{NDF}: 938.2/22$

+ sign 0.154 ± 0.006 $\chi^2/\text{NDF}: 1876.3/51$

All: 0.155 ± 0.005 $\chi^2/\text{NDF}: 4864.3/107$

- sign 0.156 ± 0.006 $\chi^2/\text{NDF}: 2987.9/55$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -32.555 ± 0.654 $\chi^2/\text{NDF}: 1652.6/26$

Left Out: -90.534 ± 0.421 $\chi^2/\text{NDF}: 15358.6/24$

Right Out: -27.891 ± 0.589 $\chi^2/\text{NDF}: 2421.9/32$

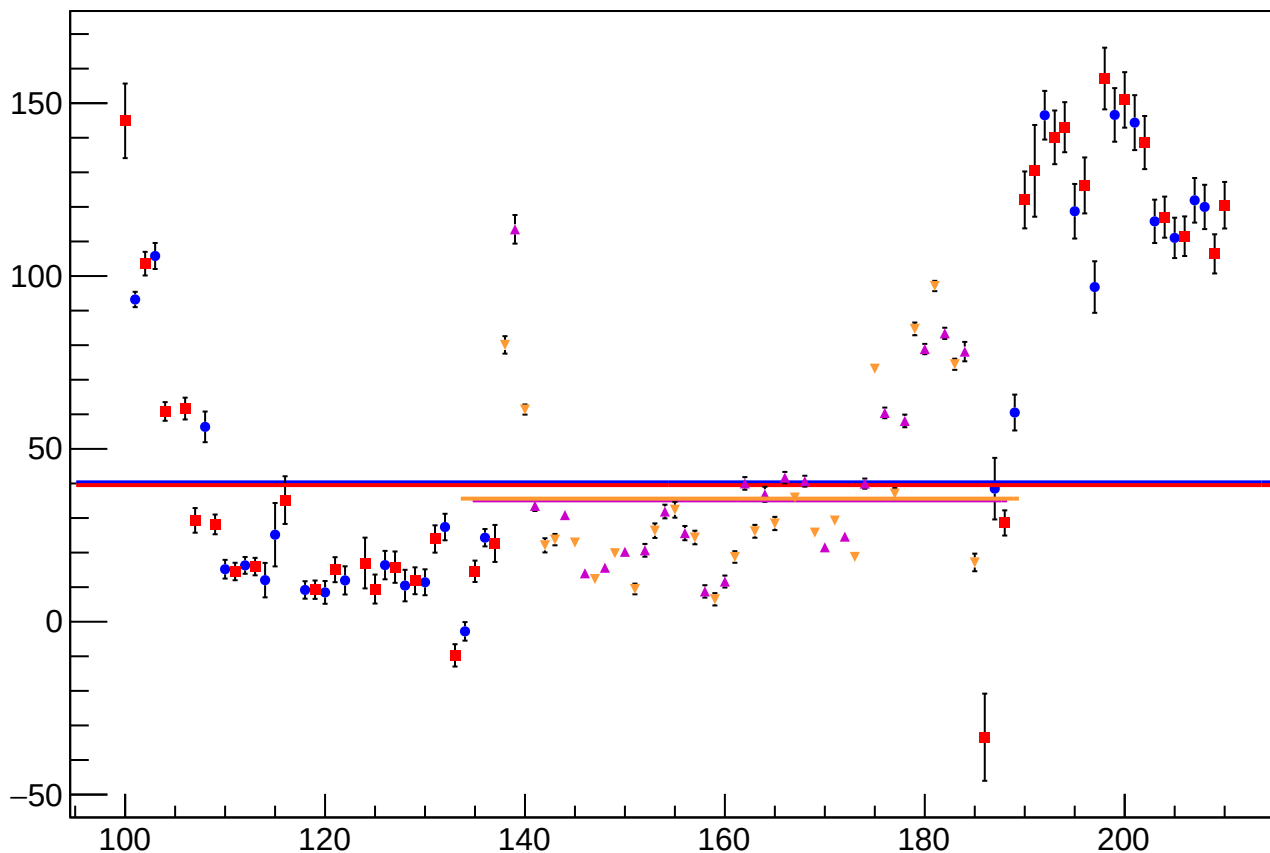
Left In: -88.888 ± 0.435 $\chi^2/\text{NDF}: 11815.7/22$

+ sign -73.531 ± 0.354 $\chi^2/\text{NDF}: 22565.7/51$

All: -70.434 ± 0.249 $\chi^2/\text{NDF}: 43892.1/107$

- sign -67.415 ± 0.350 $\chi^2/\text{NDF}: 21175.4/55$

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 40.313 $\pm$ 0.751 χ^2 /NDF: 3206.3/26

Left Out: 35.612 $\pm$ 0.326 χ^2 /NDF: 5973.0/24

Right Out: 39.522 $\pm$ 0.729 χ^2 /NDF: 3224.9/32

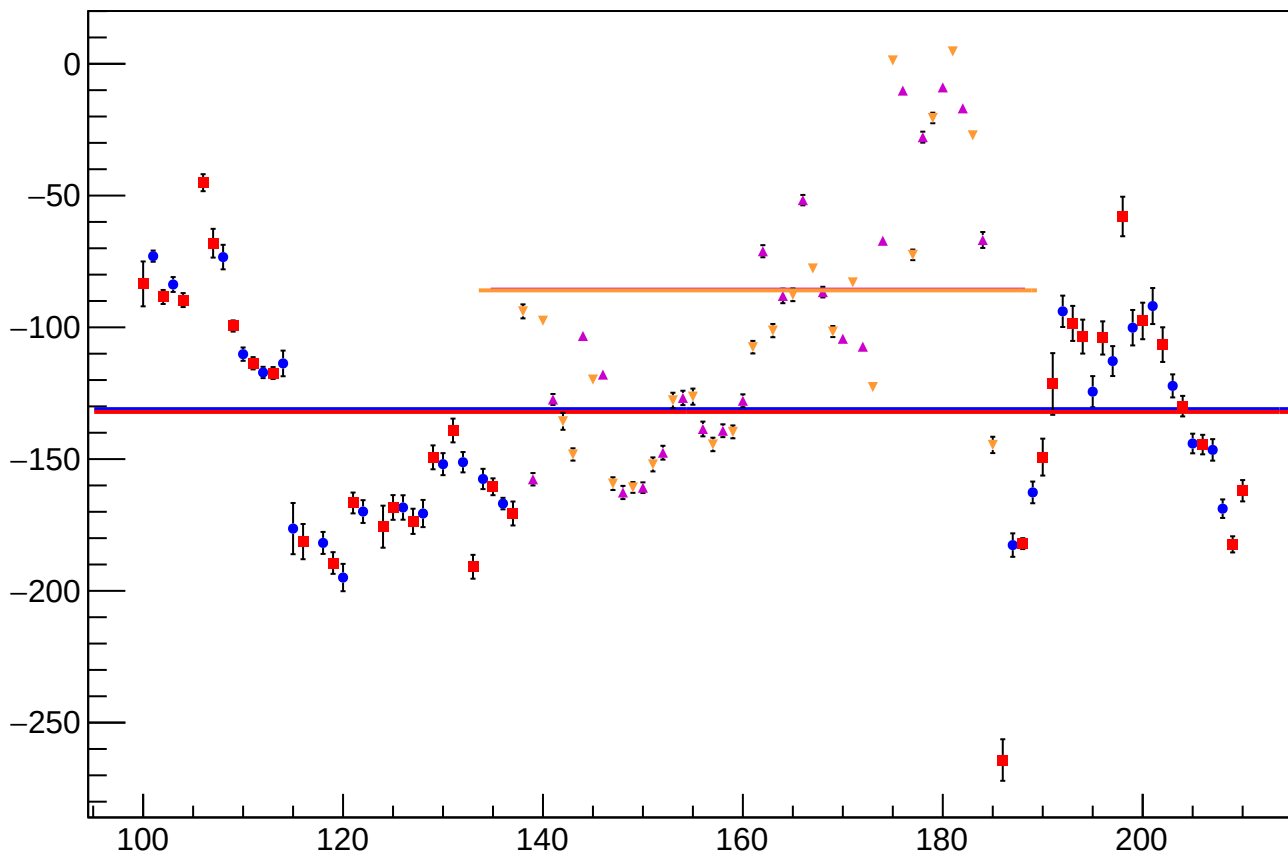
Left In: 35.112 $\pm$ 0.336 χ^2 /NDF: 4144.4/22

+ sign 36.357 $\pm$ 0.299 χ^2 /NDF: 9212.3/51

All: 36.127 $\pm$ 0.214 χ^2 /NDF: 16613.1/107

- sign 35.887 $\pm$ 0.305 χ^2 /NDF: 7399.6/55

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -131.044 ± 0.714 χ^2/NDF : 2643.2/26

Left Out: -85.969 ± 0.421 χ^2/NDF : 16232.5/24

Right Out: -132.096 ± 0.661 χ^2/NDF : 4000.3/32

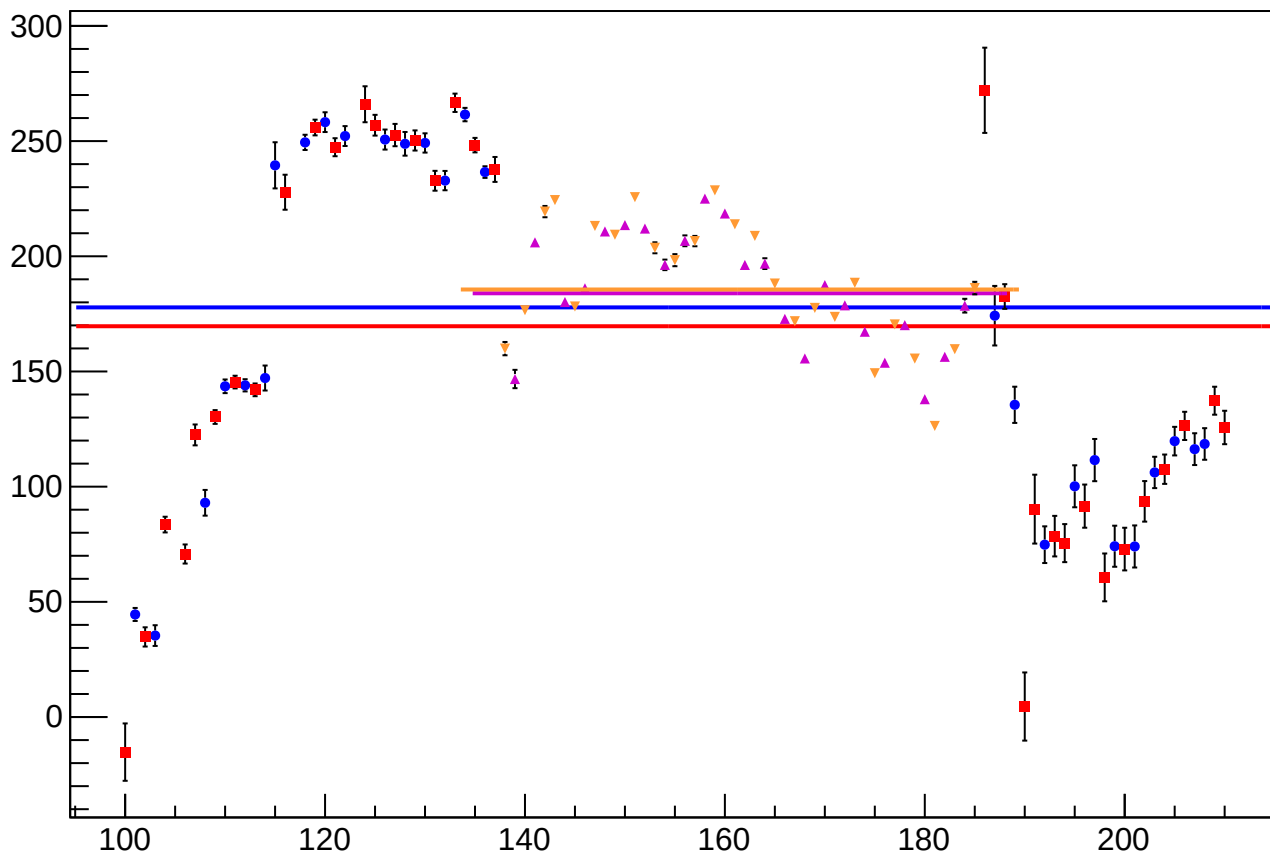
Left In: -85.705 ± 0.432 χ^2/NDF : 13758.7/22

+ sign -97.582 ± 0.363 χ^2/NDF : 21831.9/51

All: -98.602 ± 0.256 χ^2/NDF : 43057.5/107

- sign -99.618 ± 0.362 χ^2/NDF : 21209.8/55

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 177.813 $\pm$ 0.857 χ^2 /NDF: 8182.6/26

Left Out: 185.583 $\pm$ 0.367 χ^2 /NDF: 5354.7/24

Right Out: 169.632 $\pm$ 0.836 χ^2 /NDF: 7774.3/32

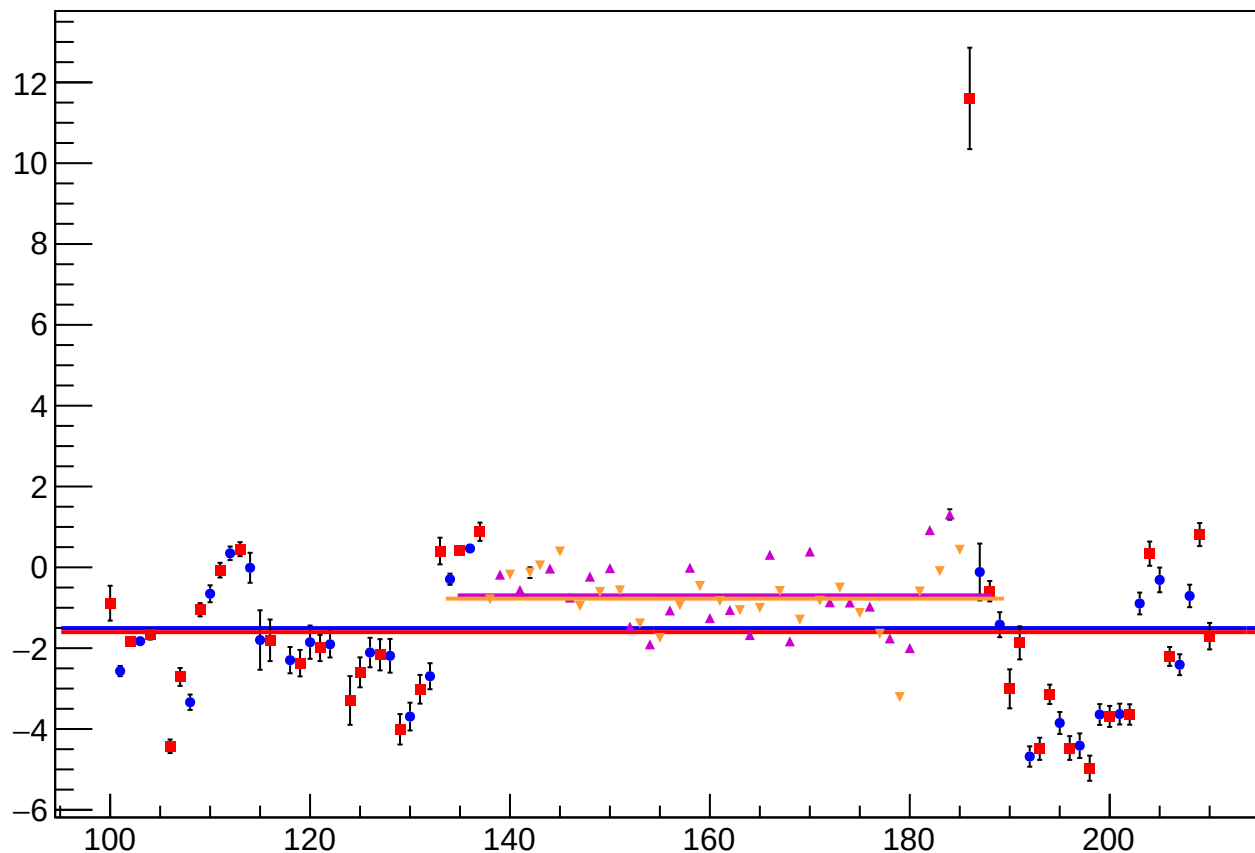
Left In: 183.940 $\pm$ 0.378 χ^2 /NDF: 3873.5/22

+ sign 184.380 $\pm$ 0.337 χ^2 /NDF: 13606.8/51

All: 182.978 $\pm$ 0.241 χ^2 /NDF: 25533.1/107

- sign 181.516 $\pm$ 0.344 χ^2 /NDF: 11890.9/55

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.503 ± 0.042 χ^2/NDF : 1350.3/26

Left Out: -0.774 ± 0.016 χ^2/NDF : 1822.9/24

Right Out: -1.604 ± 0.041 χ^2/NDF : 1792.8/32

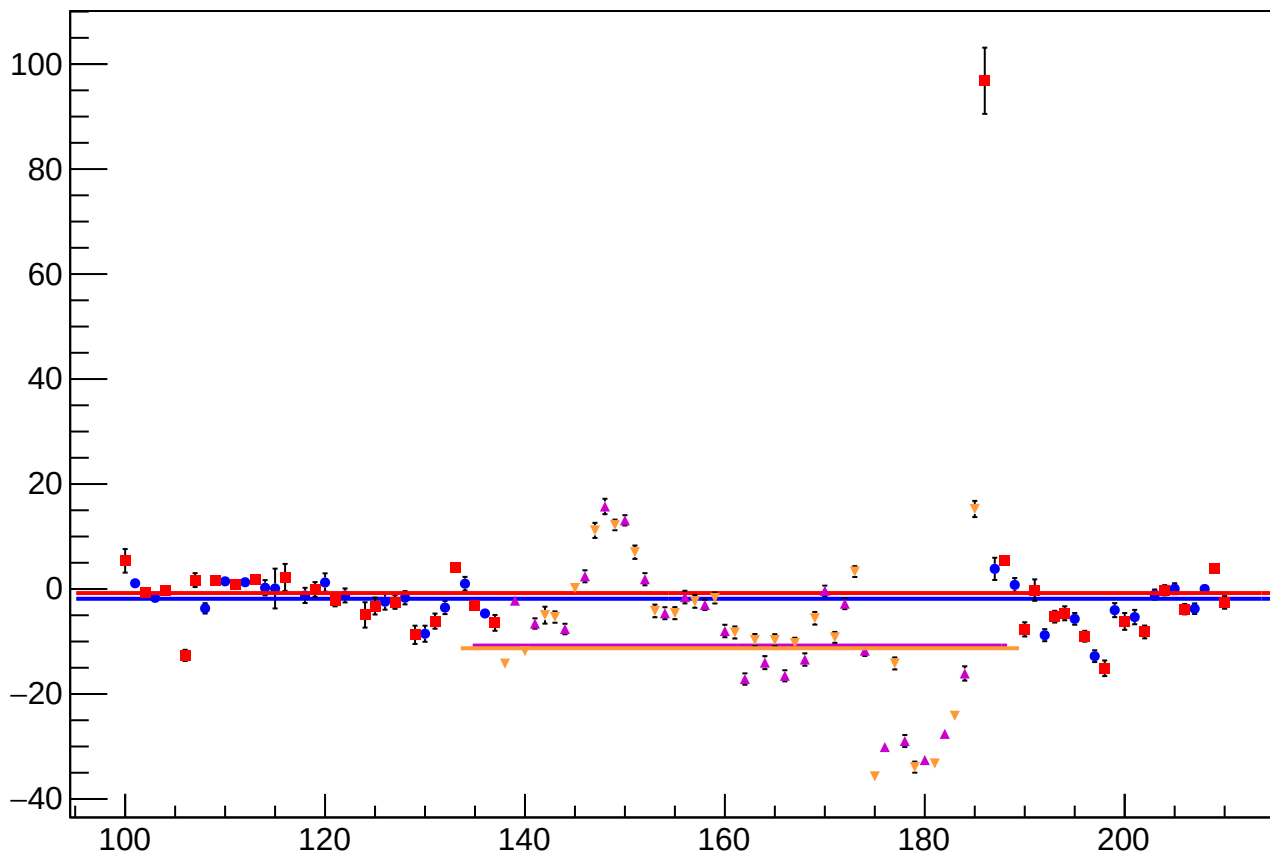
Left In: -0.694 ± 0.017 χ^2/NDF : 2565.3/22

+ sign -0.871 ± 0.015 χ^2/NDF : 3435.5/51

All: -0.849 ± 0.011 χ^2/NDF : 8226.5/107

- sign -0.826 ± 0.016 χ^2/NDF : 4786.7/55

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.857 ± 0.203 χ^2/NDF : 291.4/26

Left Out: -11.283 ± 0.208 χ^2/NDF : 4500.3/24

Right Out: -0.773 ± 0.178 χ^2/NDF : 928.9/32

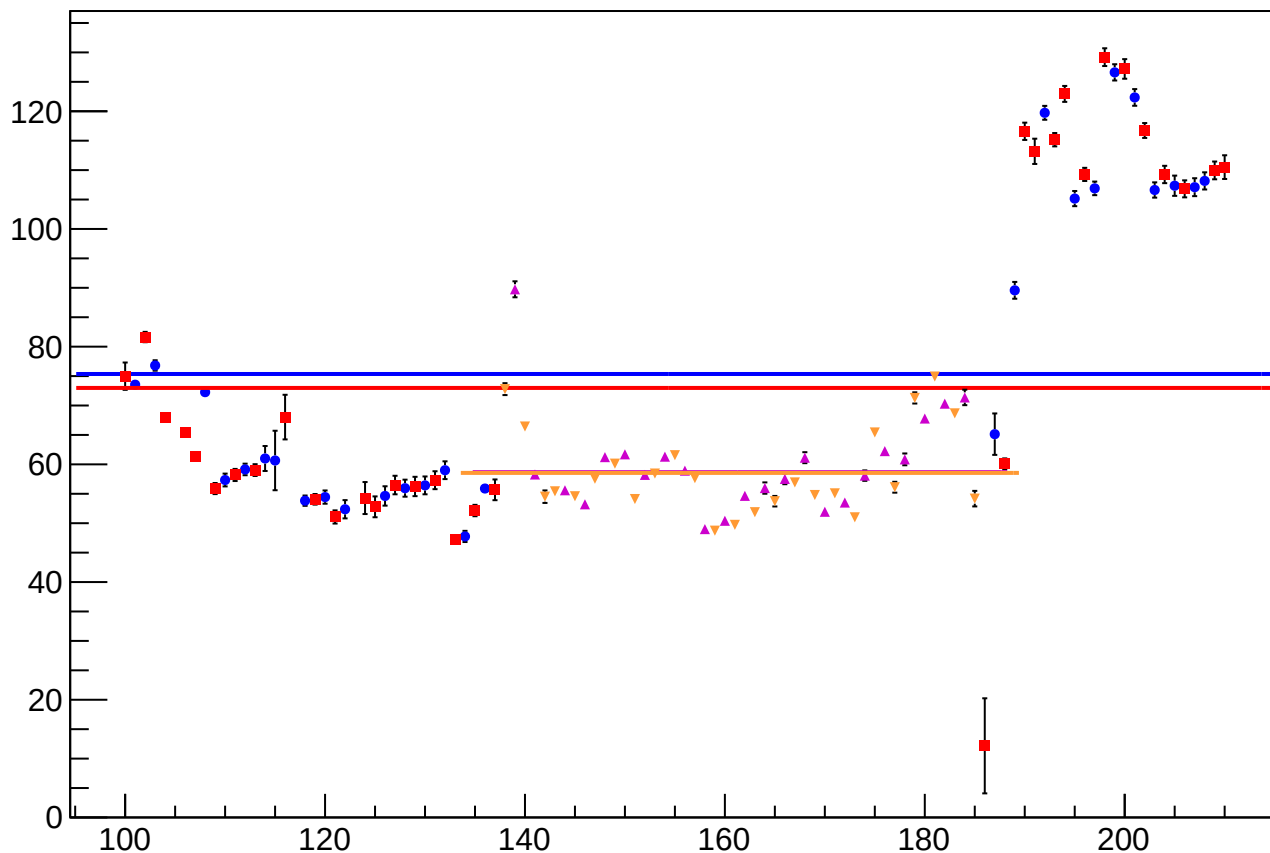
Left In: -10.776 ± 0.213 χ^2/NDF : 3699.2/22

+ sign -6.467 ± 0.145 χ^2/NDF : 5841.3/51

All: -5.624 ± 0.100 χ^2/NDF : 11828.1/107

- sign -4.880 ± 0.137 χ^2/NDF : 5923.6/55

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 75.356+/-0.225 χ^2/NDF : 10943.4/26

Left Out: 58.550+/-0.161 χ^2/NDF : 1902.5/24

Right Out: 72.986+/-0.205 χ^2/NDF : 15625.2/32

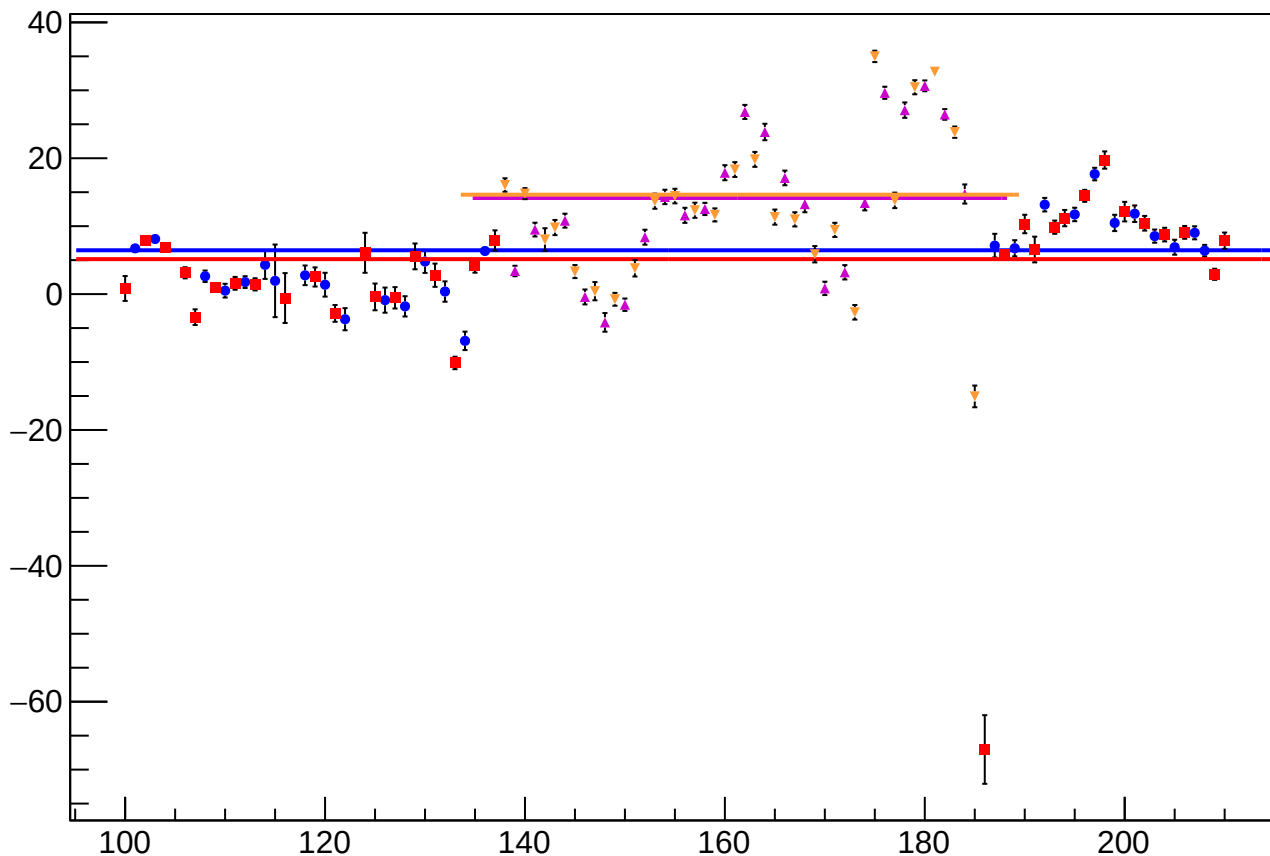
Left In: 58.679+/-0.168 χ^2/NDF : 1613.4/22

+ sign 64.238+/-0.131 χ^2/NDF : 16525.7/51

All: 64.344+/-0.092 χ^2/NDF : 36677.7/107

- sign 64.449+/-0.130 χ^2/NDF : 20150.7/55

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.452 ± 0.203 χ^2/NDF : 569.5/26

Left Out: 14.634 ± 0.207 χ^2/NDF : 2962.1/24

Right Out: 5.145 ± 0.181 χ^2/NDF : 1112.8/32

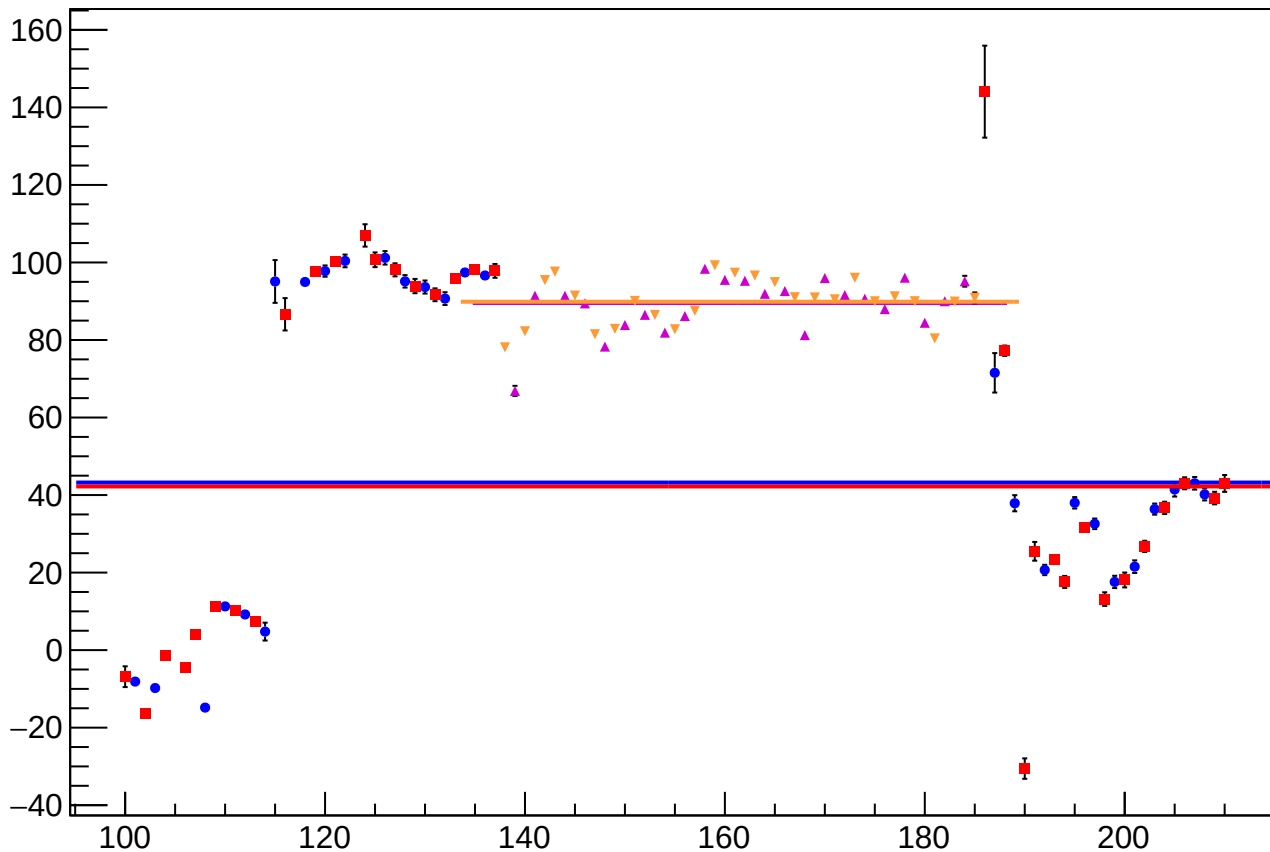
Left In: 14.146 ± 0.211 χ^2/NDF : 2541.2/22

+ sign 10.478 ± 0.145 χ^2/NDF : 4327.5/51

All: 9.673 ± 0.100 χ^2/NDF : 9087.8/107

- sign 8.950 ± 0.137 χ^2/NDF : 4701.8/55

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.227 $\pm$ 0.261 χ^2 /NDF: 27935.9/26

Left Out: 89.875 $\pm$ 0.181 χ^2 /NDF:1065.4/24

Right Out: 42.227 $\pm$ 0.240 χ^2 /NDF: 31740.9/32

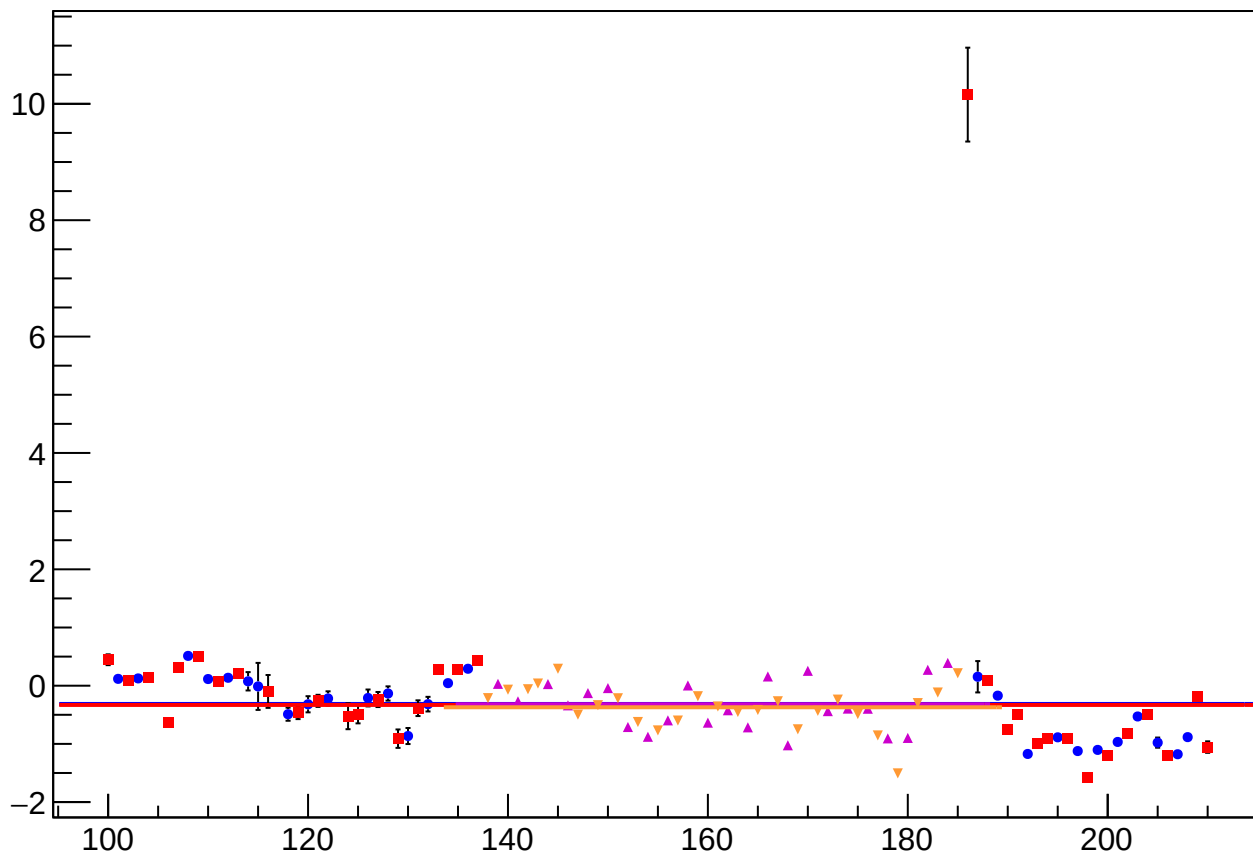
Left In: 89.541 $\pm$ 0.188 χ^2 /NDF:1095.3/22

+ sign 74.703 $\pm$ 0.149 χ^2 /NDF: 50599.6/51

All: 73.150 $\pm$ 0.105 χ^2 /NDF: 107769.1/107

- sign 71.615 $\pm$ 0.148 χ^2 /NDF: 56952.7/55

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.314 ± 0.011 χ^2/NDF : 3255.2/26

Left Out: -0.371 ± 0.008 χ^2/NDF : 1769.5/24

Right Out: -0.331 ± 0.010 χ^2/NDF : 3742.7/32

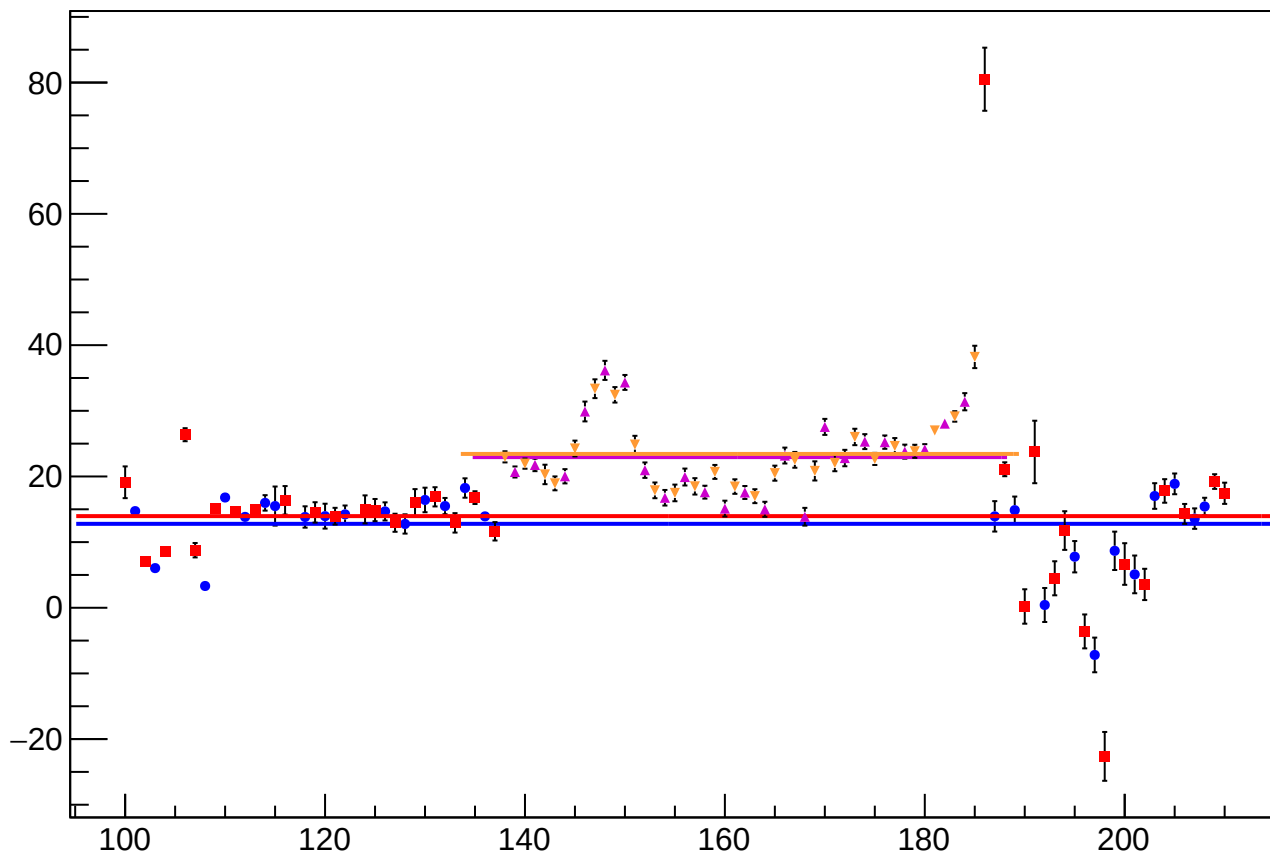
Left In: -0.319 ± 0.008 χ^2/NDF : 2441.1/22

+ sign -0.350 ± 0.006 χ^2/NDF : 5042.8/51

All: -0.337 ± 0.004 χ^2/NDF : 11235.9/107

- sign -0.324 ± 0.006 χ^2/NDF : 6184.5/55

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.785 $\pm$ 0.202 χ^2 /NDF: 506.6/26

Left Out: 23.431 $\pm$ 0.216 χ^2 /NDF: 427.8/24

Right Out: 13.960 $\pm$ 0.190 χ^2 /NDF: 886.6/32

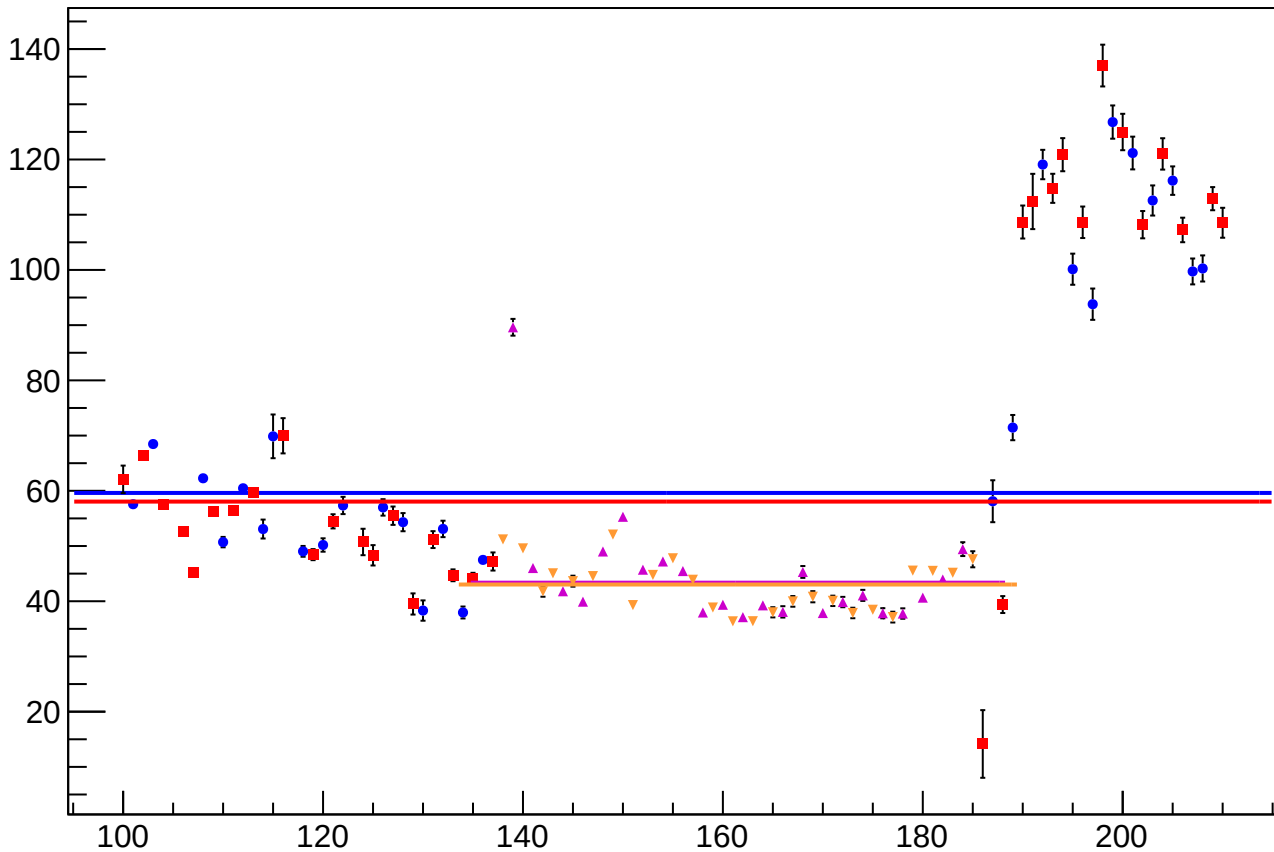
Left In: 22.949 $\pm$ 0.225 χ^2 /NDF: 565.2/22

+ sign 17.746 $\pm$ 0.147 χ^2 /NDF: 2233.5/51

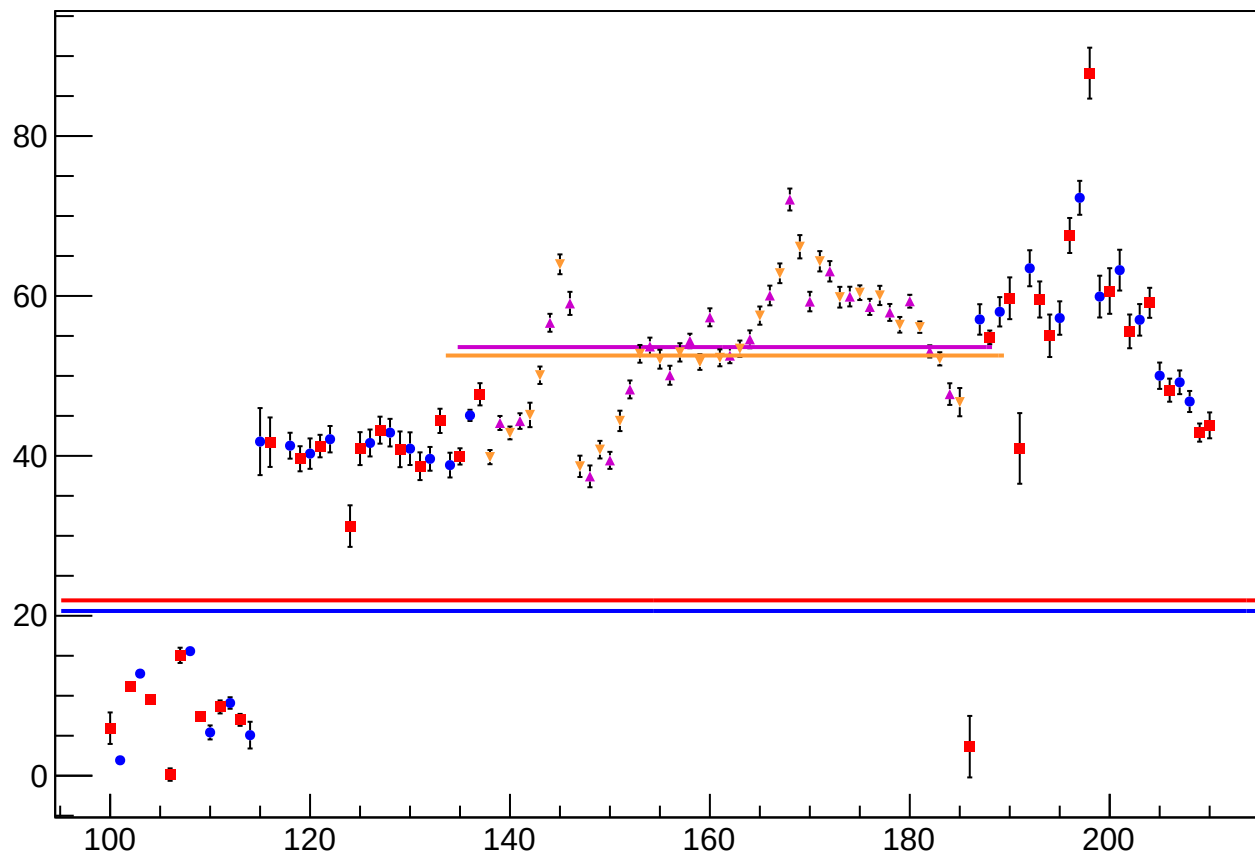
All: 17.716 $\pm$ 0.103 χ^2 /NDF: 4616.8/107

- sign 17.686 $\pm$ 0.145 χ^2 /NDF: 2383.2/55

reg_asym_sam6_diff_bpm4aY_slope vs Slug



reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 20.601 $\pm$ 0.200 χ^2 /NDF: 9707.5/26

Left Out: 52.550 $\pm$ 0.215 χ^2 /NDF: 1186.2/24

Right Out: 21.928 $\pm$ 0.199 χ^2 /NDF: 9512.7/32

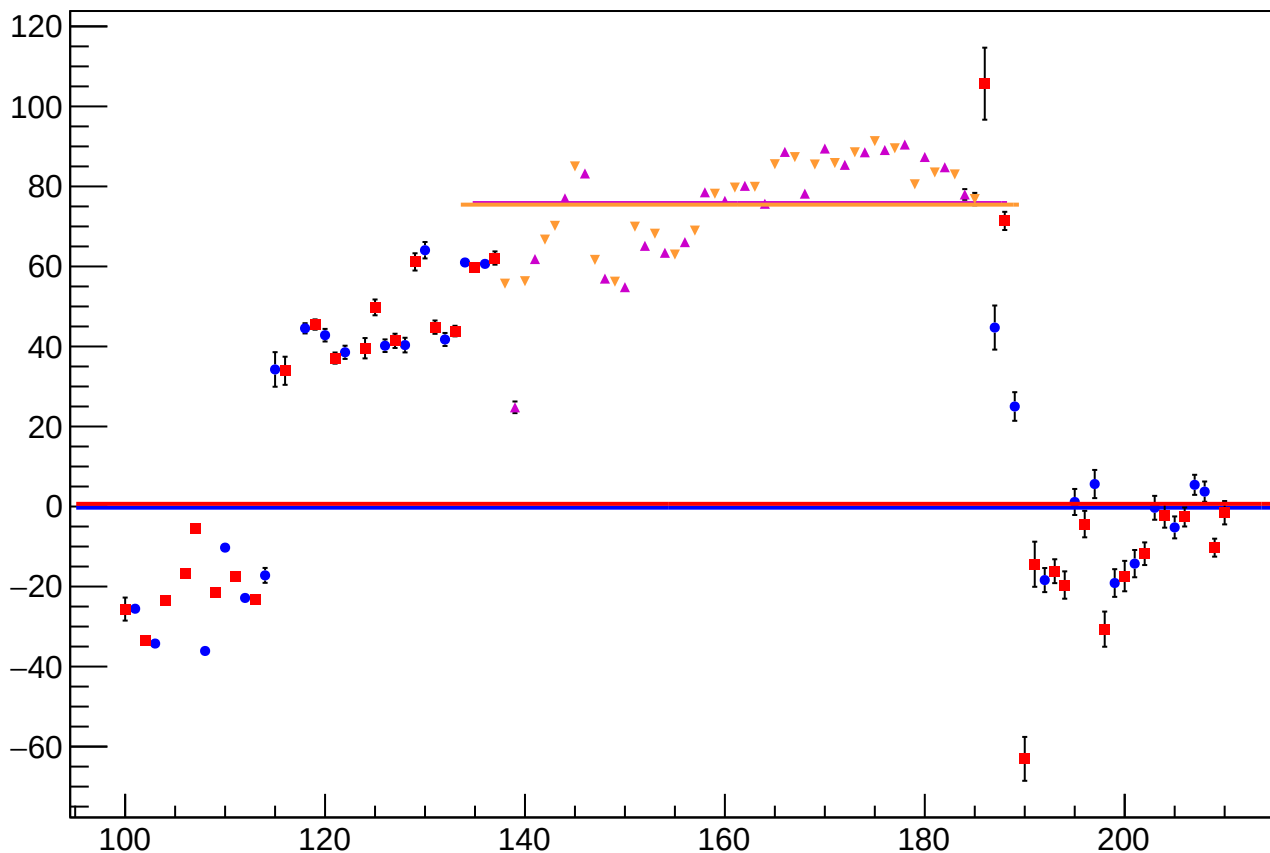
Left In: 53.605 $\pm$ 0.223 χ^2 /NDF: 1015.9/22

+ sign 35.448 $\pm$ 0.146 χ^2 /NDF: 22759.6/51

All: 35.691 $\pm$ 0.104 χ^2 /NDF: 44557.0/107

- sign 35.939 $\pm$ 0.148 χ^2 /NDF: 21791.9/55

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.284 ± 0.252 χ^2/NDF : 21244.1/26

Left Out: 75.448 ± 0.188 χ^2/NDF : 3469.1/24

Right Out: 0.672 ± 0.252 χ^2/NDF : 17465.3/32

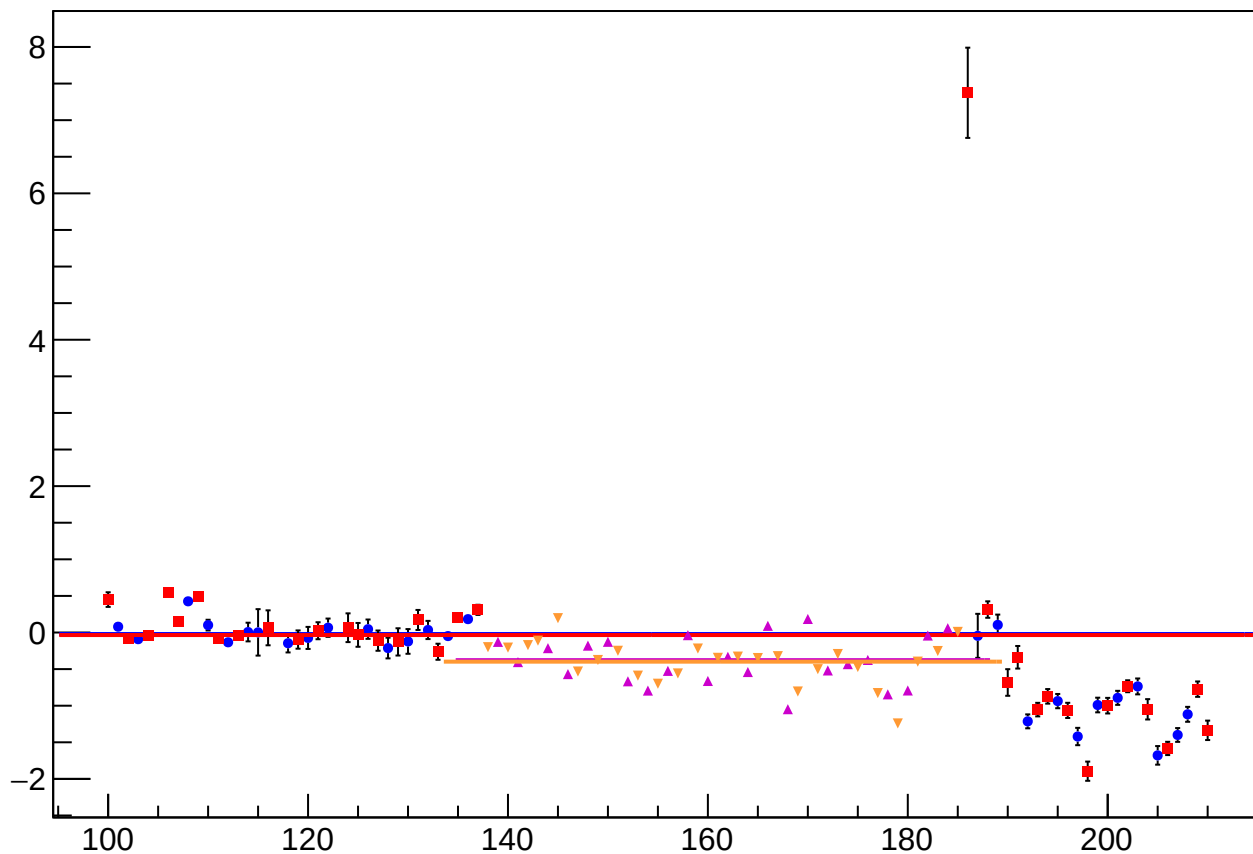
Left In: 75.844 ± 0.197 χ^2/NDF : 4265.6/22

+ sign 48.290 ± 0.151 χ^2/NDF : 82694.5/51

All: 47.774 ± 0.108 χ^2/NDF : 159734.7/107

- sign 47.227 ± 0.155 χ^2/NDF : 77016.2/55

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.021 $\pm$ 0.011 χ^2/NDF : 1515.2/26

Left Out: -0.398 $\pm$ 0.008 χ^2/NDF : 1031.5/24

Right Out: -0.035 $\pm$ 0.011 χ^2/NDF : 1829.3/32

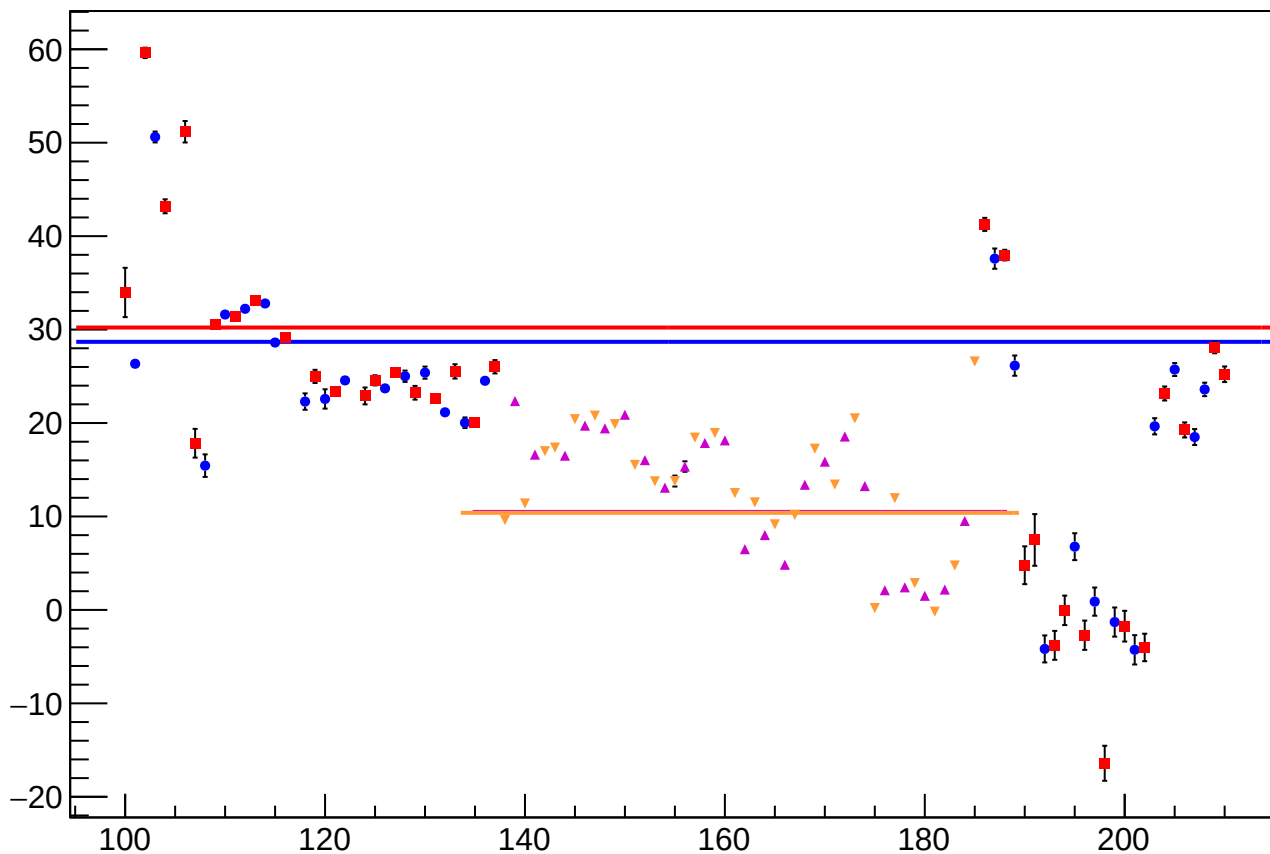
Left In: -0.378 $\pm$ 0.009 χ^2/NDF : 1351.5/22

+ sign -0.253 $\pm$ 0.007 χ^2/NDF : 3321.6/51

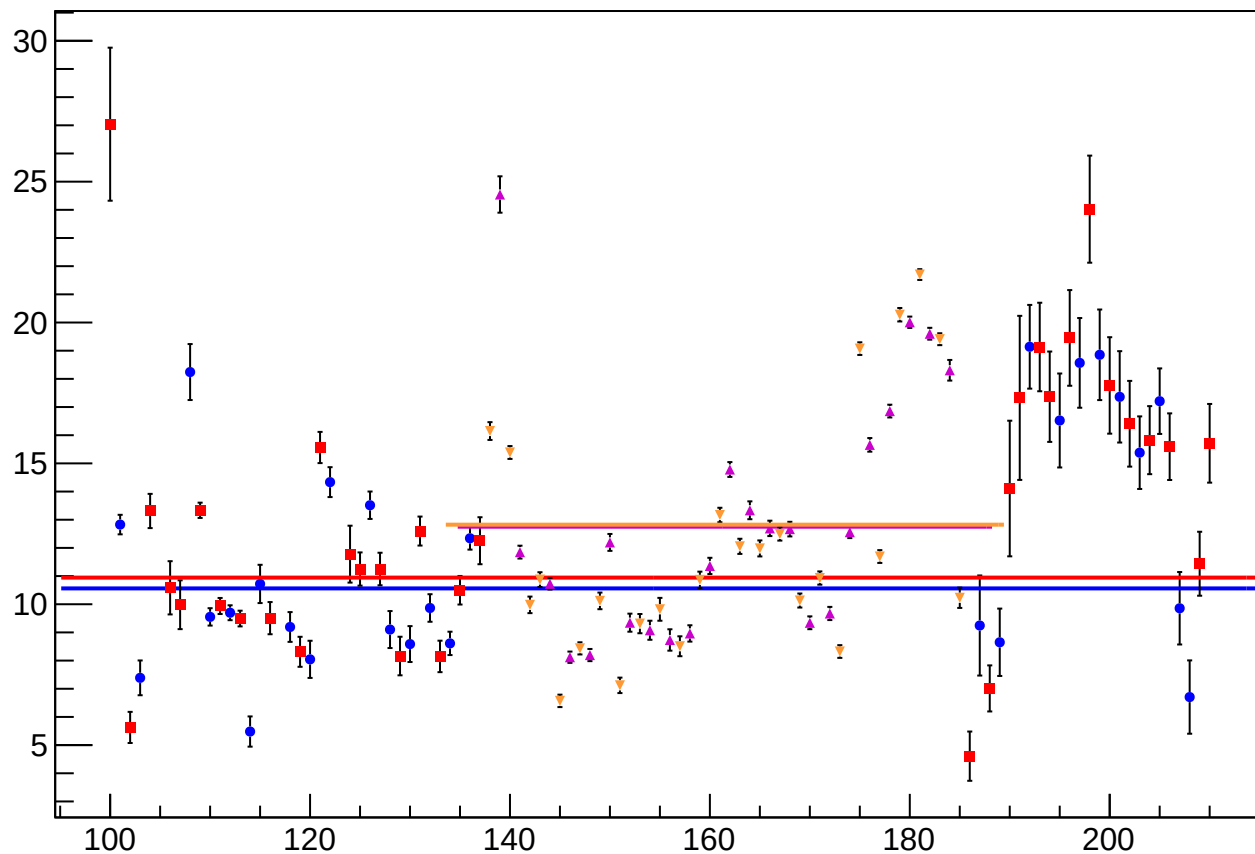
All: -0.248 $\pm$ 0.005 χ^2/NDF : 7130.2/107

- sign -0.243 $\pm$ 0.007 χ^2/NDF : 3807.4/55

reg_asym_sam7_diff_bpm1X_slope vs Slug



reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.562 $\pm$ 0.110 χ^2 /NDF: 581.4/26

Left Out: 12.825 $\pm$ 0.051 χ^2 /NDF: 8016.5/24

Right Out: 10.945 $\pm$ 0.108 χ^2 /NDF: 688.4/32

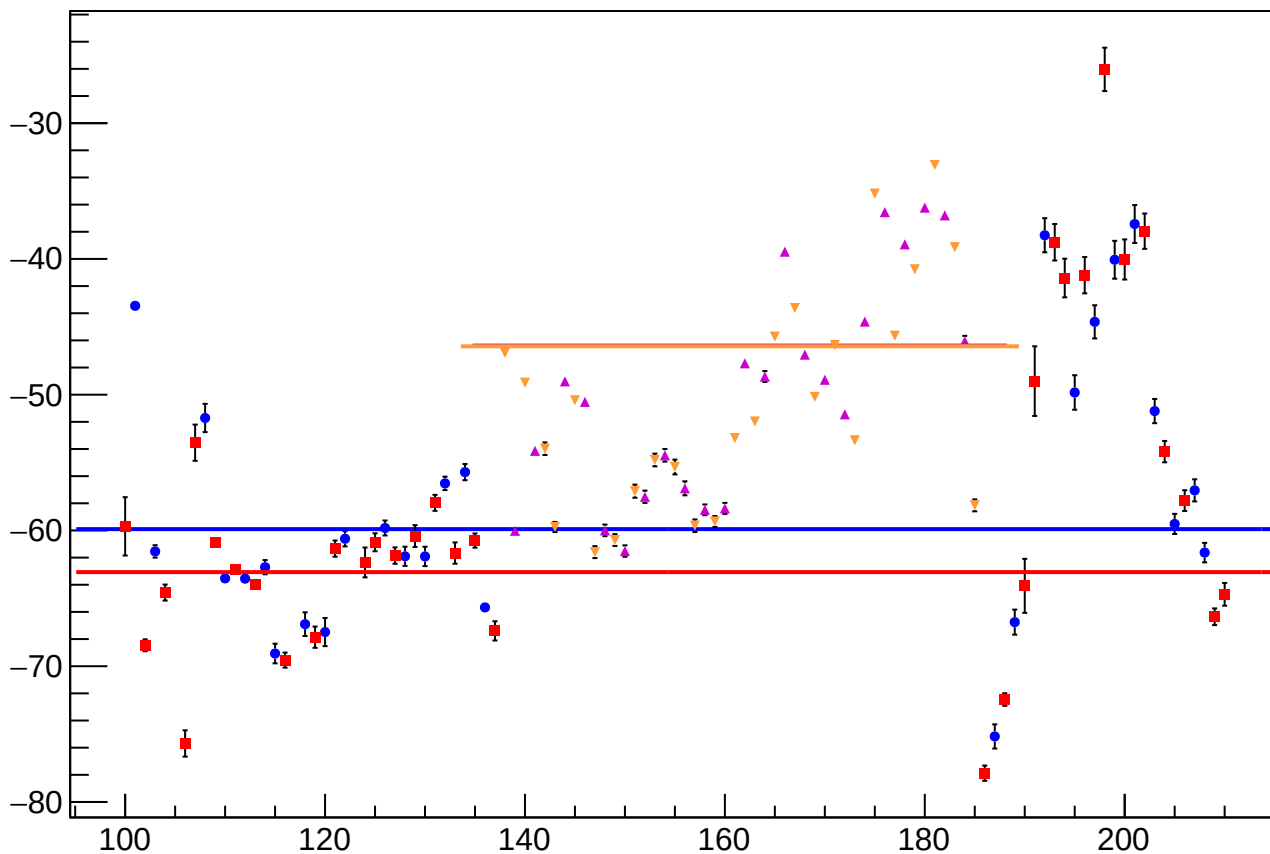
Left In: 12.752 $\pm$ 0.053 χ^2 /NDF: 5502.5/22

+ sign 12.424 $\pm$ 0.046 χ^2 /NDF: 8945.6/51

All: 12.412 $\pm$ 0.033 χ^2 /NDF: 15363.9/107

- sign 12.400 $\pm$ 0.047 χ^2 /NDF: 6418.1/55

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -59.902 ± 0.105 $\chi^2/\text{NDF}: 5054.3/26$

Left Out: -46.435 ± 0.064 $\chi^2/\text{NDF}: 18170.4/24$

Right Out: -63.068 ± 0.097 $\chi^2/\text{NDF}: 4164.7/32$

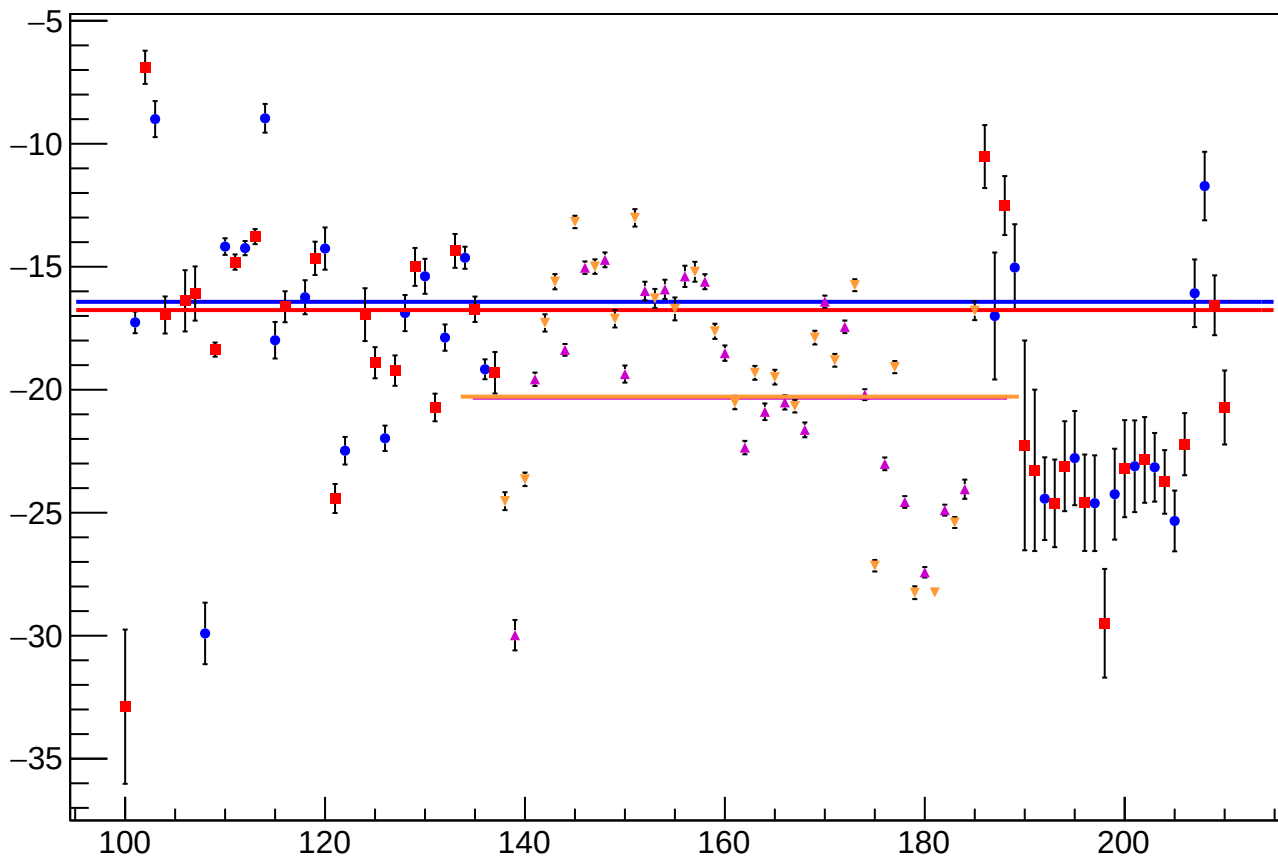
Left In: -46.383 ± 0.067 $\chi^2/\text{NDF}: 15080.6/22$

+ sign -50.104 ± 0.055 $\chi^2/\text{NDF}: 35127.5/51$

All: -50.914 ± 0.039 $\chi^2/\text{NDF}: 74795.5/107$

- sign -51.728 ± 0.055 $\chi^2/\text{NDF}: 39232.1/55$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.426 ± 0.123 χ^2/NDF : 971.4/26

Left Out: -20.281 ± 0.057 χ^2/NDF : 7019.5/24

Right Out: -16.761 ± 0.120 χ^2/NDF : 889.0/32

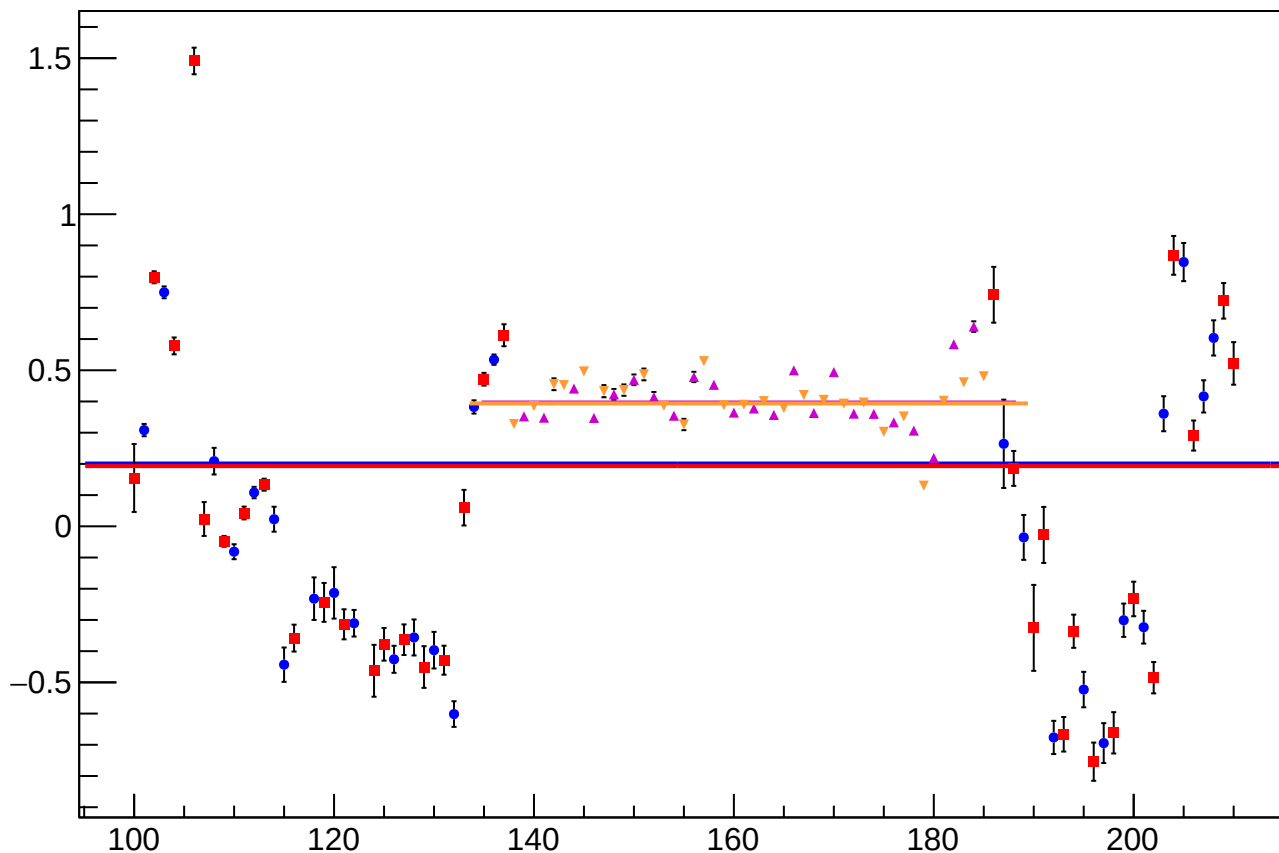
Left In: -20.324 ± 0.059 χ^2/NDF : 4272.7/22

+ sign -19.599 ± 0.052 χ^2/NDF : 8798.2/51

All: -19.612 ± 0.037 χ^2/NDF : 14672.8/107

- sign -19.626 ± 0.053 χ^2/NDF : 5874.5/55

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.201 $\pm$ 0.007 χ^2 /NDF: 3676.4/26

Left Out: 0.394 $\pm$ 0.003 χ^2 /NDF:946.9/24

Right Out: 0.193 $\pm$ 0.007 χ^2 /NDF: 4909.3/32

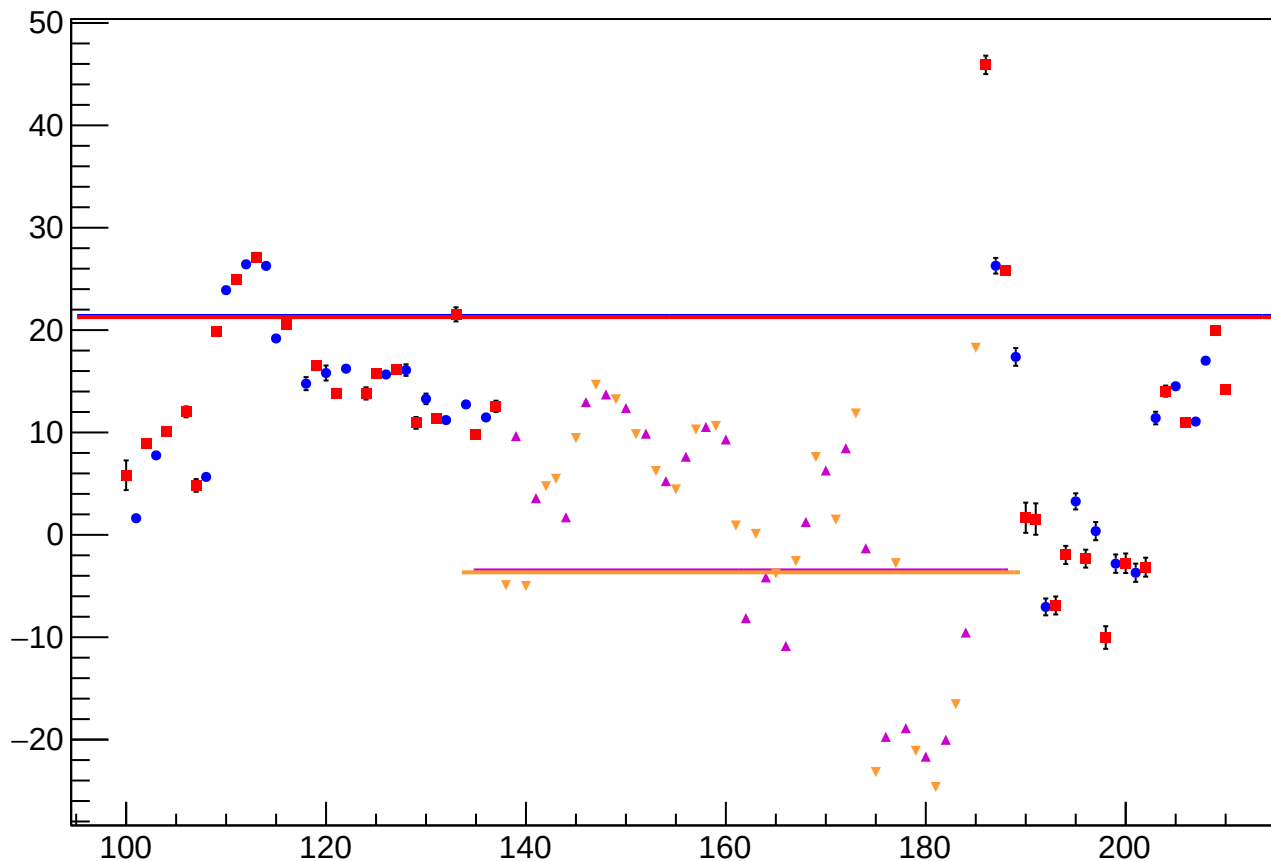
Left In: 0.397 $\pm$ 0.003 χ^2 /NDF:1295.7/22

+ sign 0.368 $\pm$ 0.002 χ^2 /NDF: 5369.2/51

All: 0.368 $\pm$ 0.002 χ^2 /NDF: 12417.4/107

- sign 0.368 $\pm$ 0.002 χ^2 /NDF: 7048.1/55

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 21.379 ± 0.054 $\chi^2/\text{NDF}: 17690.8/26$

Left Out: -3.660 ± 0.055 $\chi^2/\text{NDF}: 56739.4/24$

Right Out: 21.268 ± 0.044 $\chi^2/\text{NDF}: 17747.9/32$

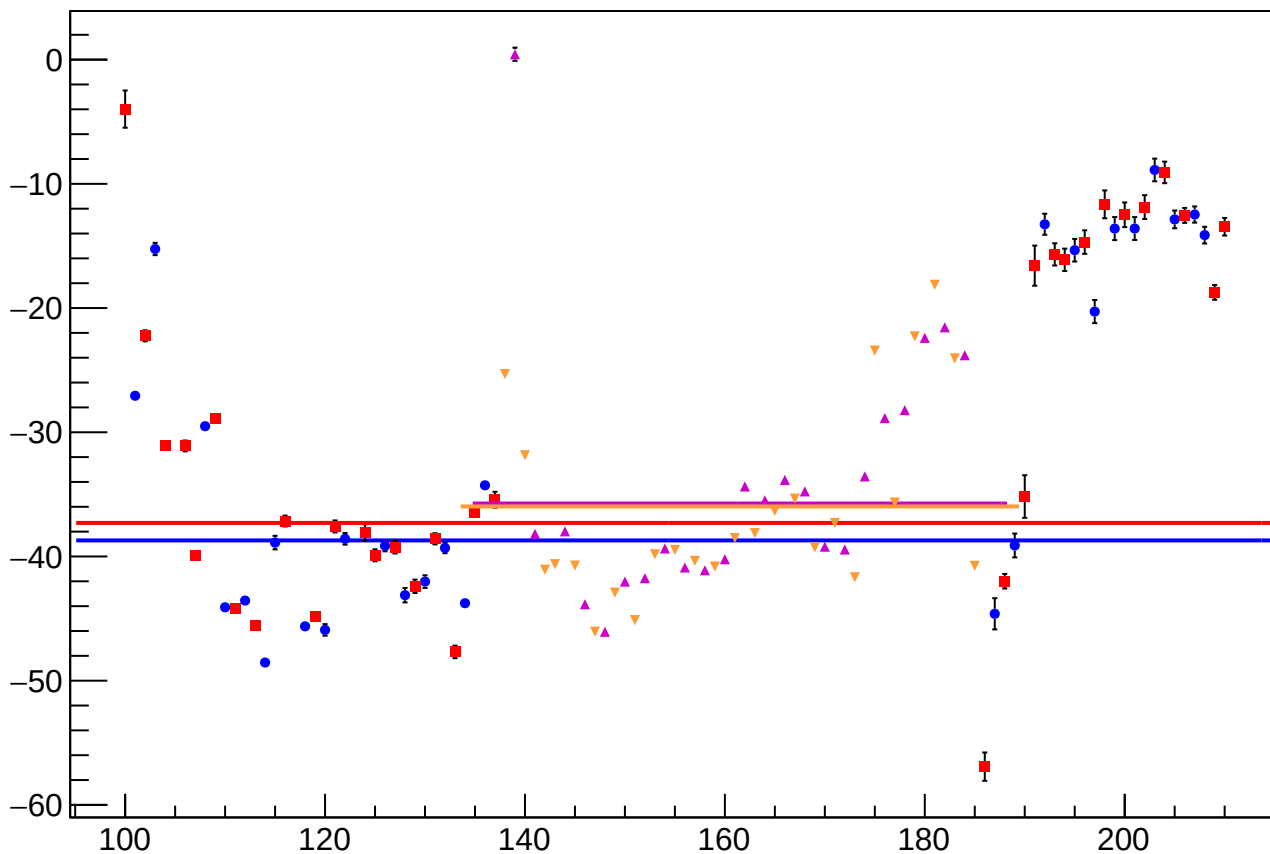
Left In: -3.475 ± 0.057 $\chi^2/\text{NDF}: 45103.9/22$

+ sign 8.980 ± 0.038 $\chi^2/\text{NDF}: 180843.7/51$

All: 10.624 ± 0.026 $\chi^2/\text{NDF}: 363241.2/107$

- sign 12.002 ± 0.035 $\chi^2/\text{NDF}: 179024.9/55$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -38.707 ± 0.073 χ^2/NDF : 17250.1/26

Left Out: -35.973 ± 0.042 χ^2/NDF : 33609.3/24

Right Out: -37.299 ± 0.068 χ^2/NDF : 19633.2/32

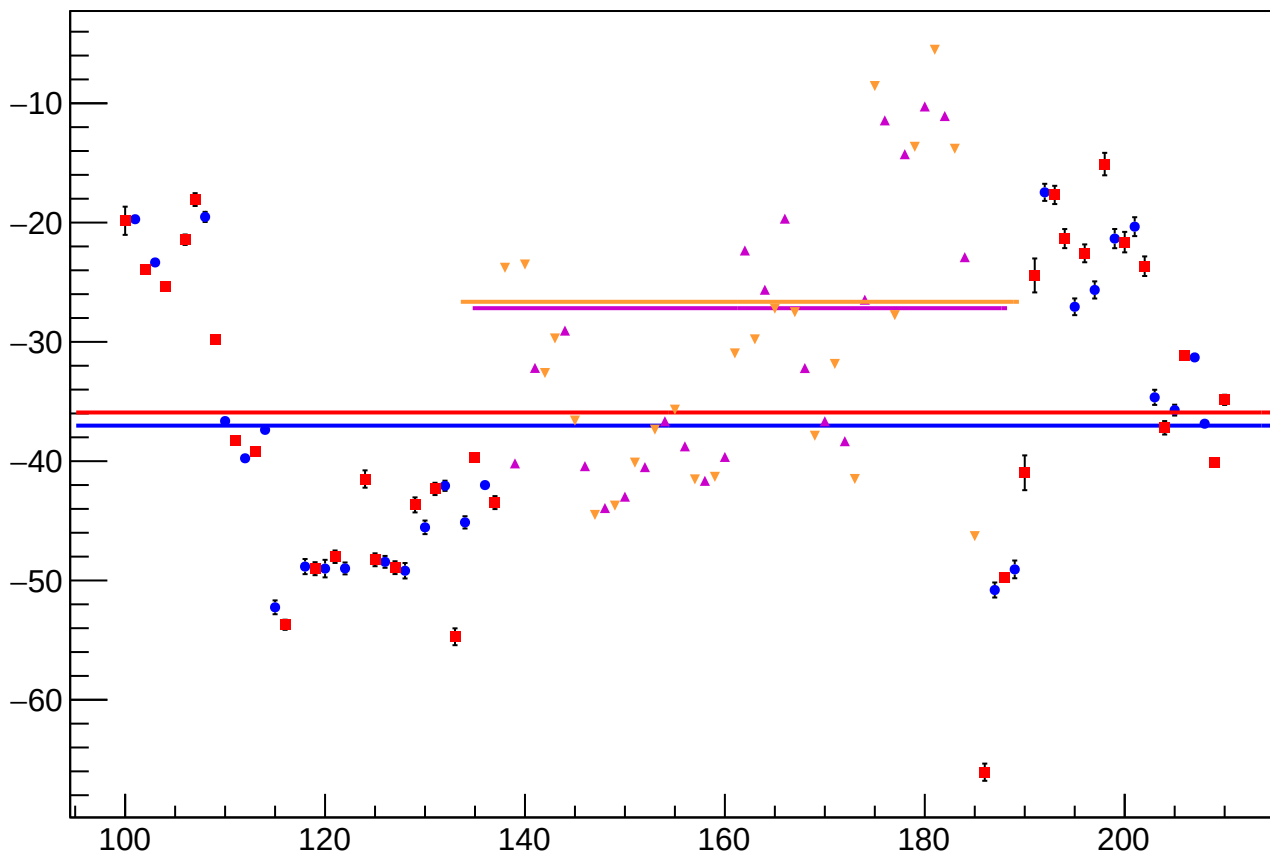
Left In: -35.737 ± 0.045 χ^2/NDF : 27154.8/22

+ sign -36.660 ± 0.037 χ^2/NDF : 51903.3/51

All: -36.442 ± 0.026 χ^2/NDF : 99132.7/107

- sign -36.215 ± 0.037 χ^2/NDF : 47157.3/55

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.020 ± 0.068 $\chi^2/\text{NDF}: 13908.9/26$

Left Out: -26.639 ± 0.055 $\chi^2/\text{NDF}: 50051.9/24$

Right Out: -35.918 ± 0.059 $\chi^2/\text{NDF}: 19393.4/32$

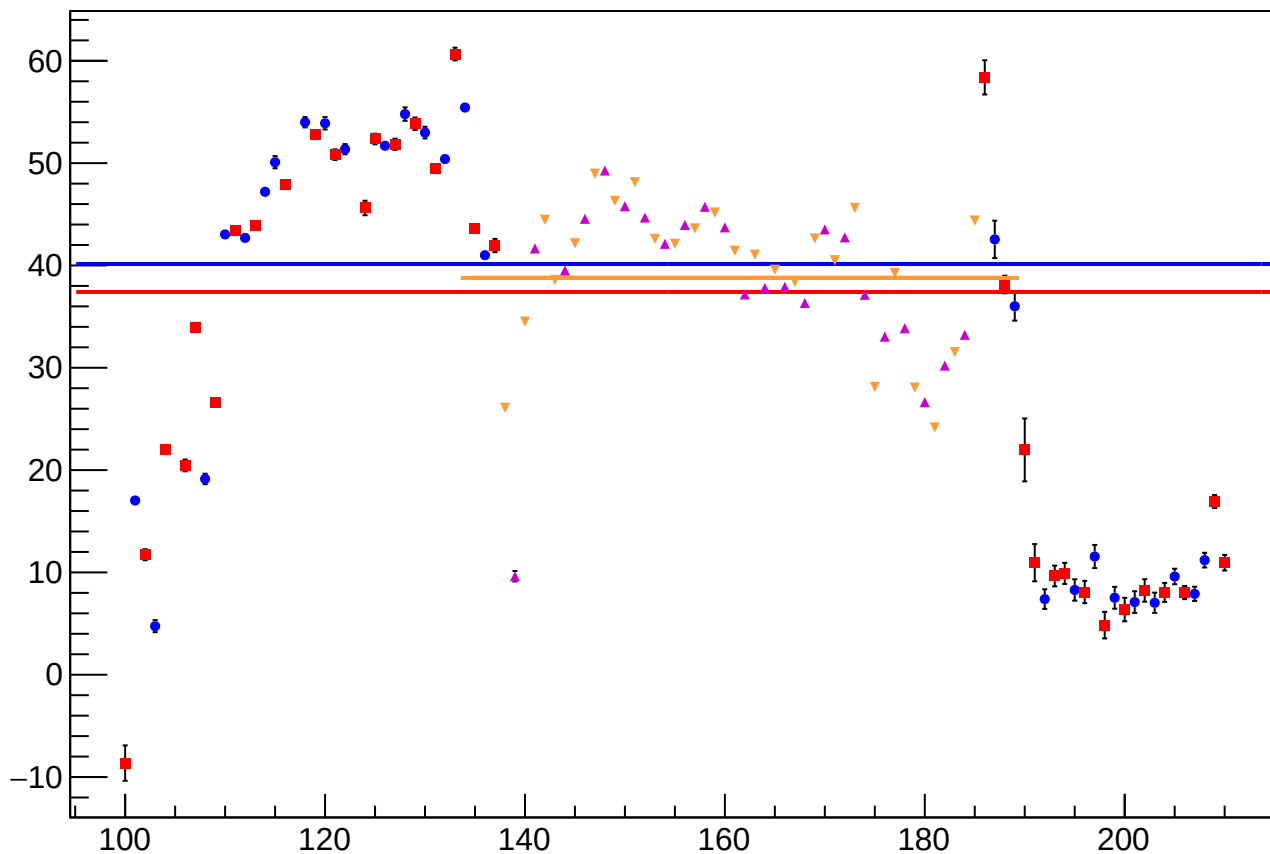
Left In: -27.176 ± 0.057 $\chi^2/\text{NDF}: 40990.1/22$

+ sign -30.723 ± 0.043 $\chi^2/\text{NDF}: 78188.3/51$

All: -31.082 ± 0.030 $\chi^2/\text{NDF}: 150030.0/107$

- sign -31.417 ± 0.041 $\chi^2/\text{NDF}: 71703.8/55$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 40.145 ± 0.082 $\chi^2/\text{NDF}: 26828.0/26$

Left Out: 38.777 ± 0.048 $\chi^2/\text{NDF}: 21070.6/24$

Right Out: 37.410 ± 0.075 $\chi^2/\text{NDF}: 28703.2/32$

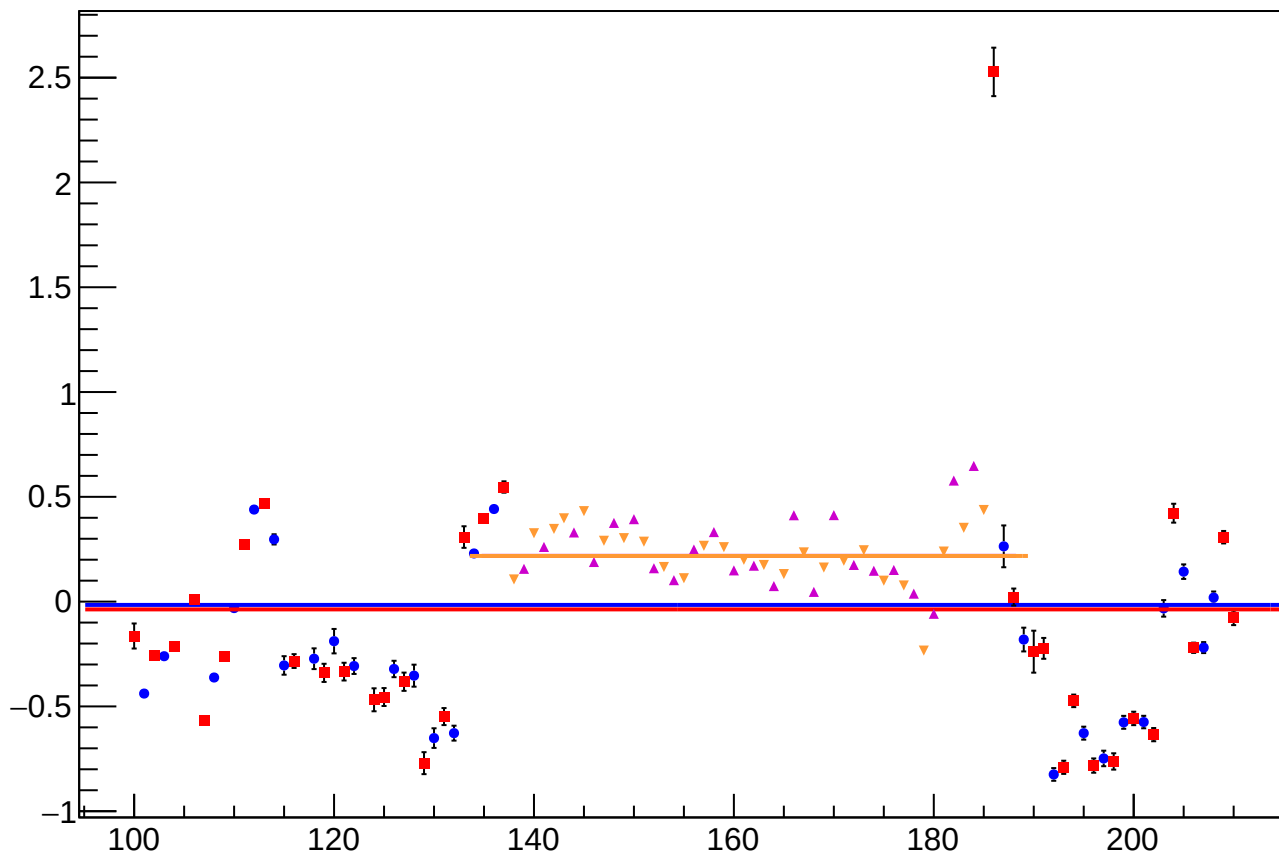
Left In: 38.791 ± 0.050 $\chi^2/\text{NDF}: 16240.7/22$

+ sign 39.126 ± 0.041 $\chi^2/\text{NDF}: 48108.1/51$

All: 38.749 ± 0.029 $\chi^2/\text{NDF}: 93456.7/107$

- sign 38.363 ± 0.042 $\chi^2/\text{NDF}: 45178.9/55$

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.016 ± 0.004 χ^2/NDF : 8046.8/26

Left Out: 0.218 ± 0.002 χ^2/NDF : 4075.0/24

Right Out: -0.037 ± 0.004 χ^2/NDF : 9625.1/32

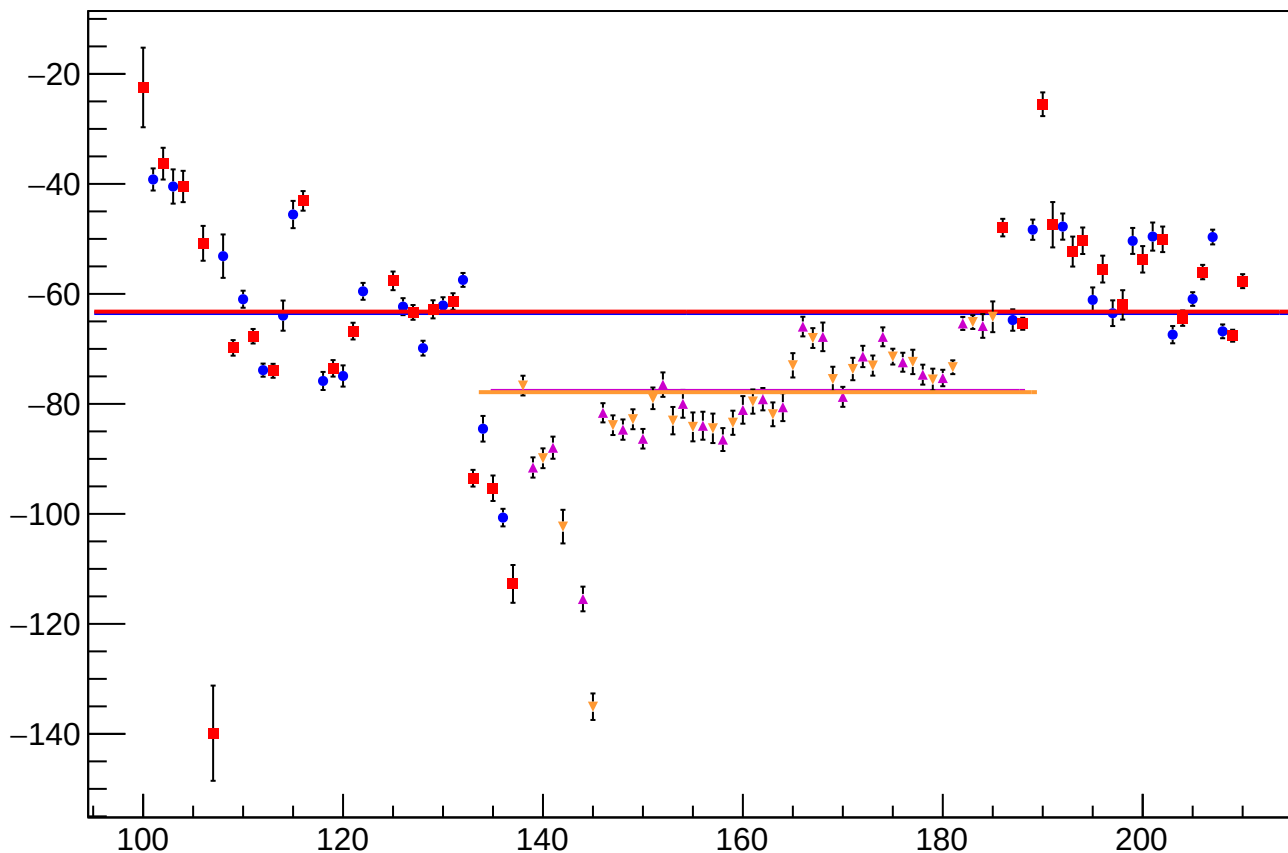
Left In: 0.218 ± 0.002 χ^2/NDF : 5312.2/22

+ sign 0.173 ± 0.002 χ^2/NDF : 14418.2/51

All: 0.165 ± 0.001 χ^2/NDF : 32511.6/107

- sign 0.157 ± 0.002 χ^2/NDF : 18063.1/55

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -63.477 ± 0.330 $\chi^2/\text{NDF}: 1404.7/26$

Left Out: -77.867 ± 0.394 $\chi^2/\text{NDF}: 932.3/23$

Right Out: -63.225 ± 0.305 $\chi^2/\text{NDF}: 1956.8/31$

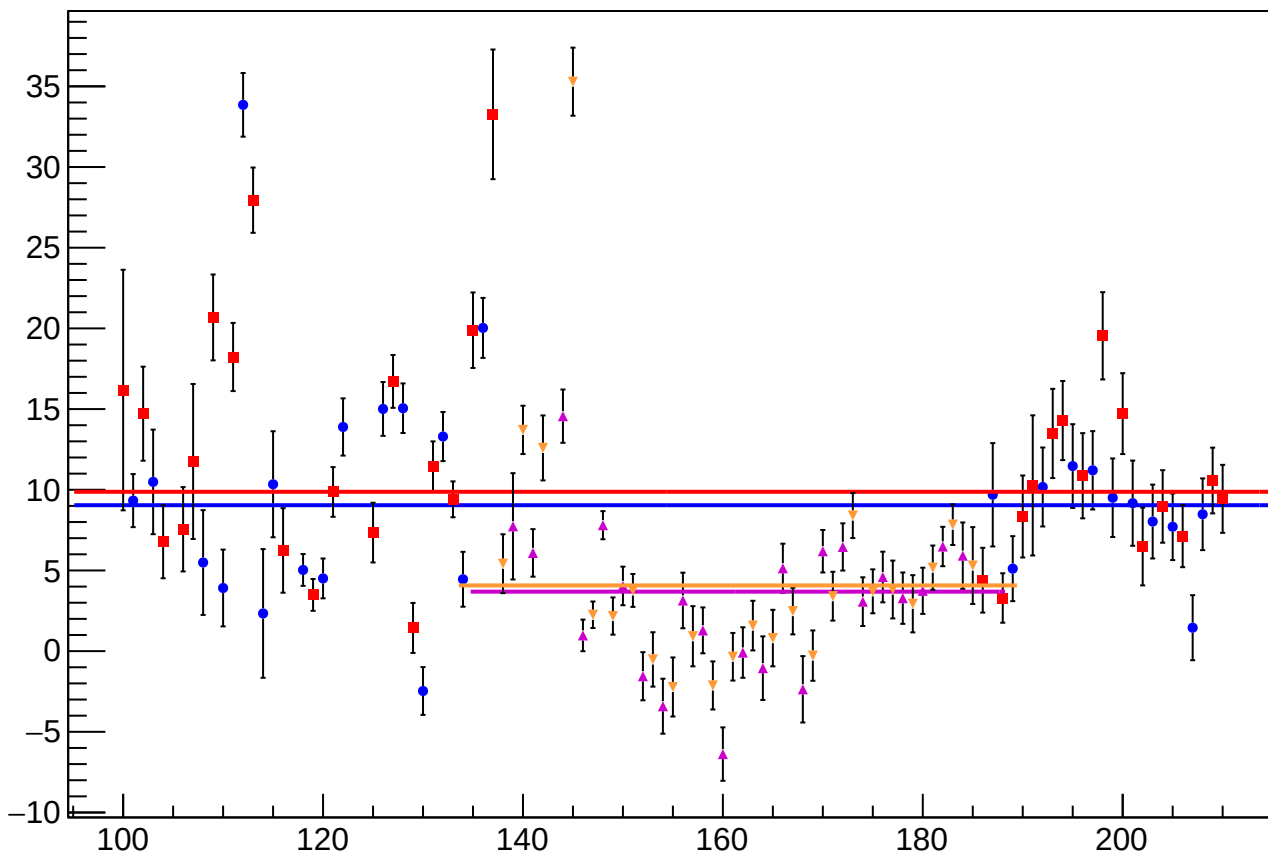
Left In: -77.643 ± 0.396 $\chi^2/\text{NDF}: 693.3/22$

+ sign -69.403 ± 0.253 $\chi^2/\text{NDF}: 3121.3/50$

All: -68.981 ± 0.175 $\chi^2/\text{NDF}: 6606.8/105$

- sign -68.595 ± 0.242 $\chi^2/\text{NDF}: 3480.2/54$

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.043 ± 0.366 χ^2/NDF : 363.6/26

Left Out: 4.073 ± 0.297 χ^2/NDF : 370.6/23

Right Out: 9.875 ± 0.354 χ^2/NDF : 316.7/31

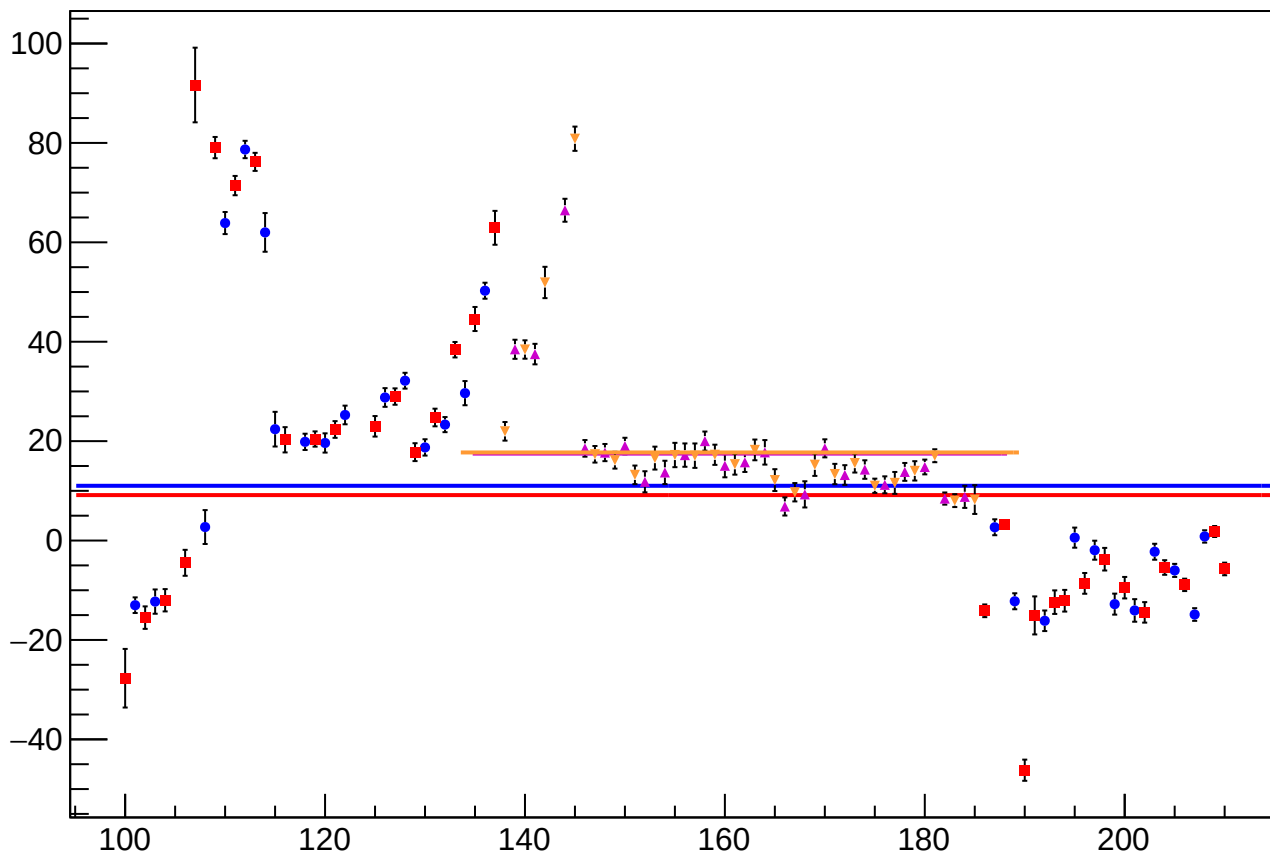
Left In: 3.686 ± 0.302 χ^2/NDF : 182.6/22

+ sign 6.045 ± 0.230 χ^2/NDF : 845.5/50

All: 6.169 ± 0.163 χ^2/NDF : 1522.6/105

- sign 6.293 ± 0.230 χ^2/NDF : 676.5/54

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 11.017 ± 0.344 χ^2/NDF : 5137.4/26

Left Out: 17.723 ± 0.391 χ^2/NDF : 1058.3/23

Right Out: 9.144 ± 0.313 χ^2/NDF : 7161.4/31

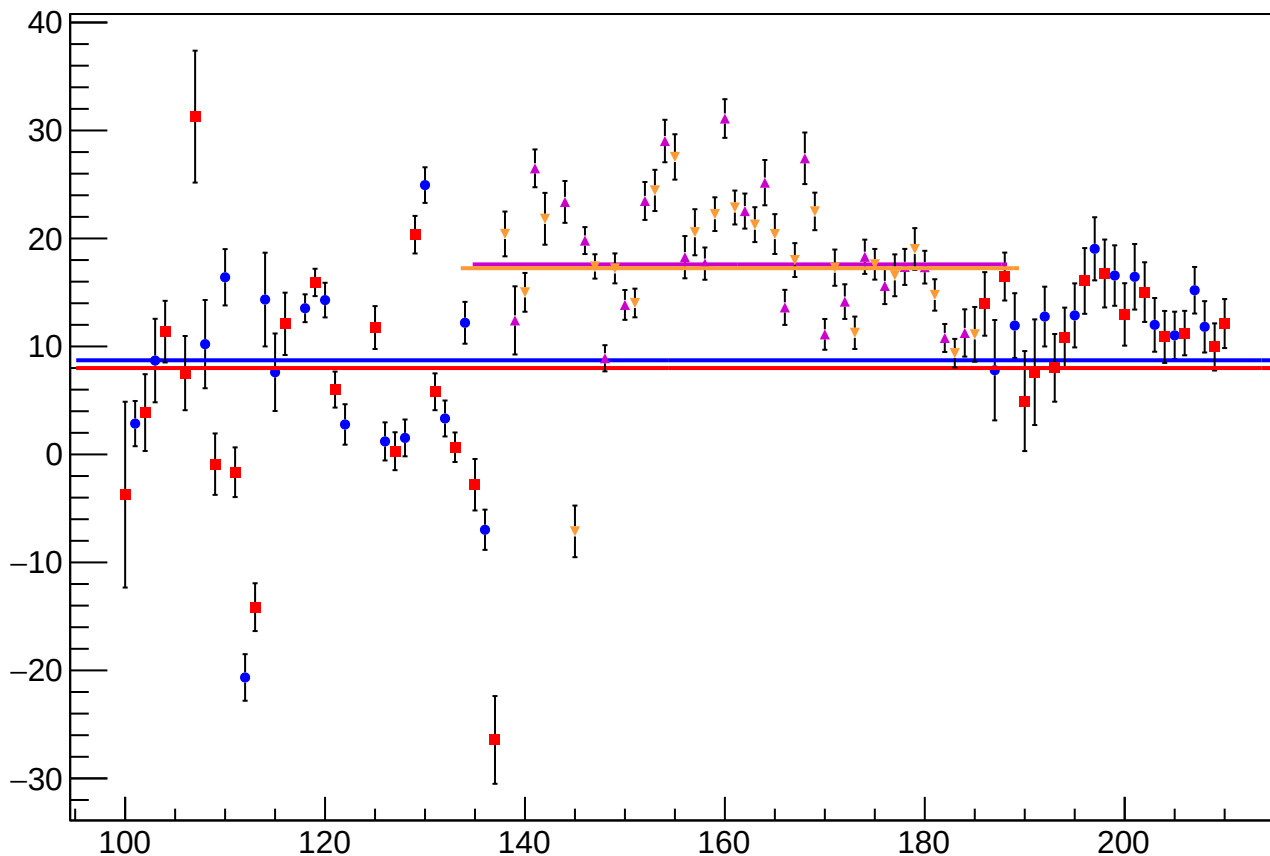
Left In: 17.491 ± 0.393 χ^2/NDF : 820.7/22

+ sign 13.938 ± 0.258 χ^2/NDF : 6361.7/50

All: 13.123 ± 0.178 χ^2/NDF : 14638.9/105

- sign 12.388 ± 0.245 χ^2/NDF : 8258.2/54

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 8.719 ± 0.423 χ^2/NDF : 503.2/26

Left Out: 17.245 ± 0.338 χ^2/NDF : 260.8/23

Right Out: 7.999 ± 0.412 χ^2/NDF : 437.5/31

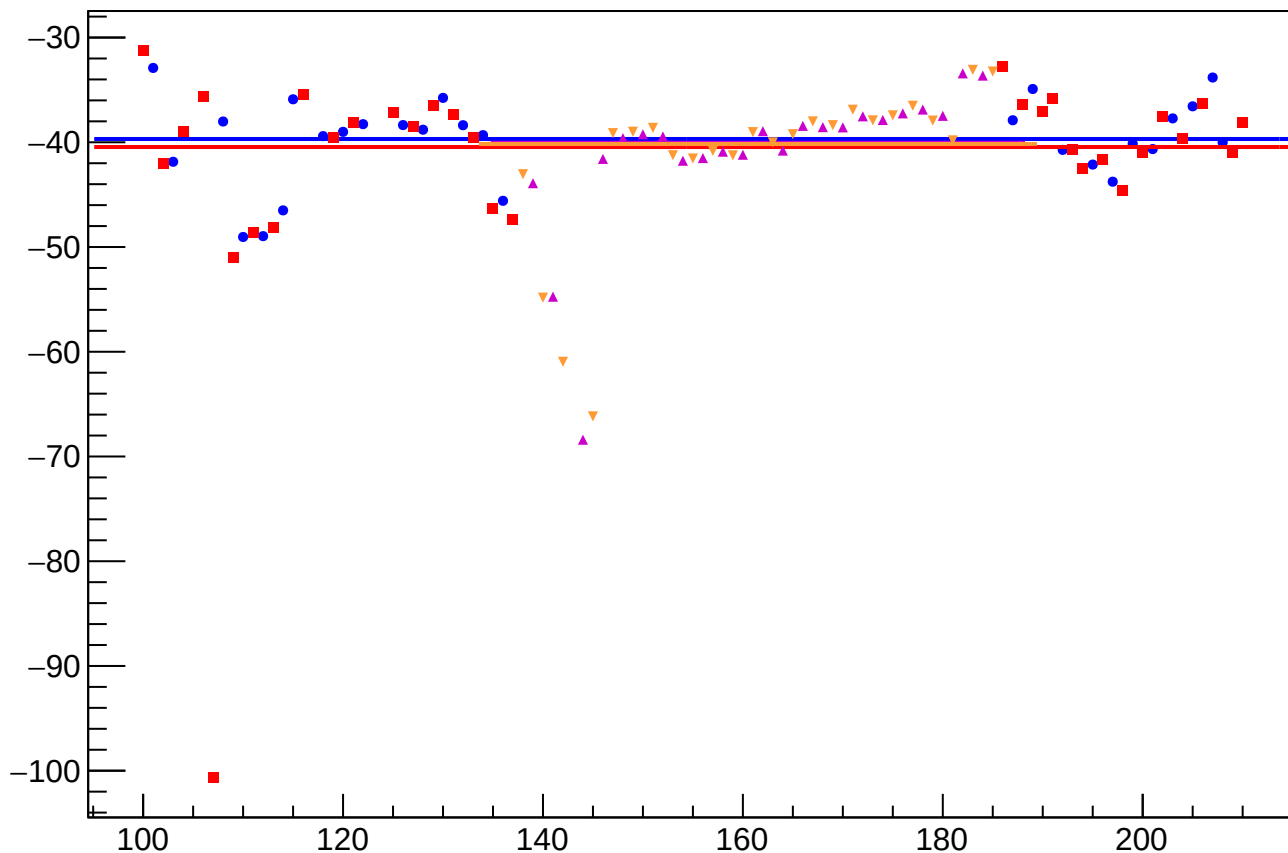
Left In: 17.597 ± 0.342 χ^2/NDF : 309.7/22

+ sign 13.921 ± 0.264 χ^2/NDF : 1011.9/50

All: 13.801 ± 0.186 χ^2/NDF : 2080.3/105

- sign 13.682 ± 0.263 χ^2/NDF : 1068.0/54

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.685 ± 0.021 χ^2/NDF : 32285.4/26

Left Out: -40.165 ± 0.015 χ^2/NDF : 163335.9/23

Right Out: -40.452 ± 0.020 χ^2/NDF : 73132.1/31

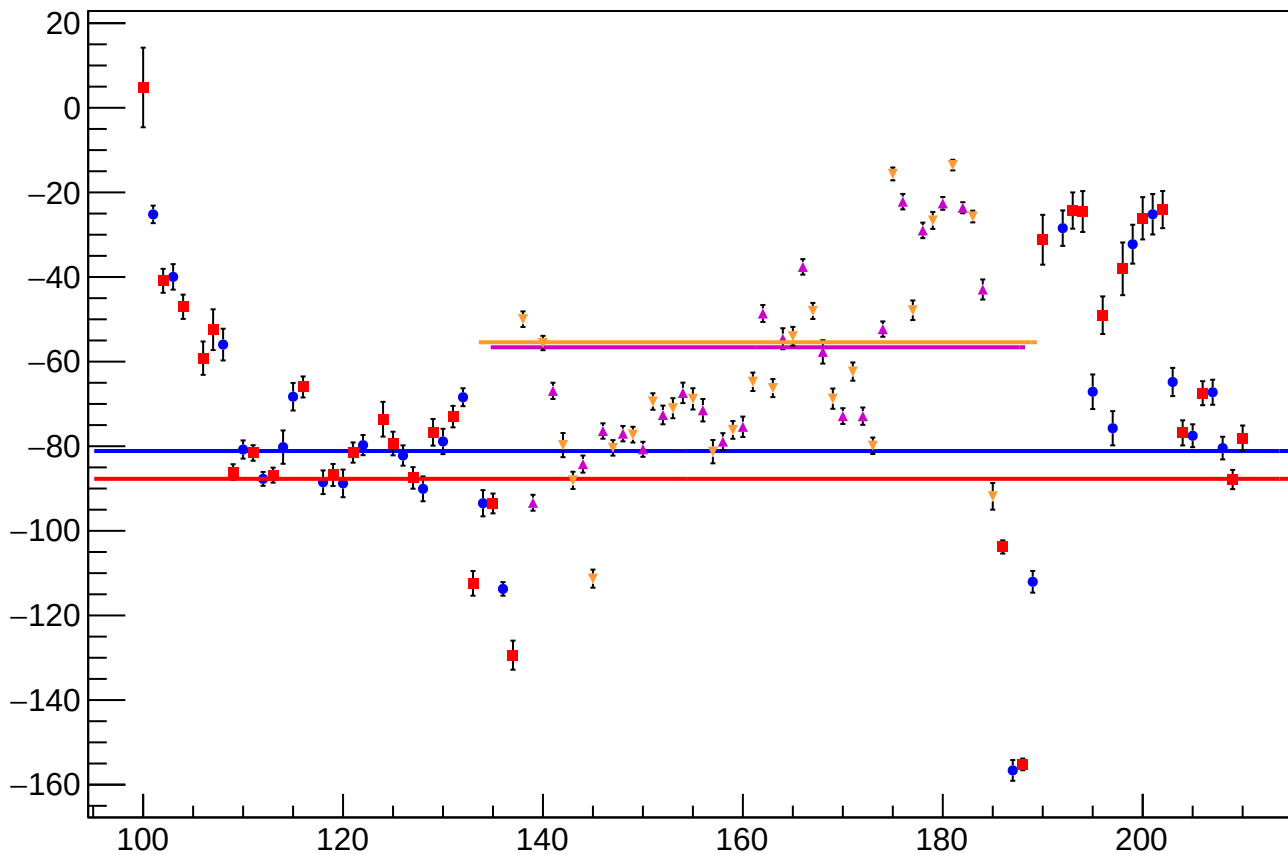
Left In: -40.050 ± 0.015 χ^2/NDF : 136438.5/22

+ sign -39.998 ± 0.012 χ^2/NDF : 195956.1/50

All: -40.099 ± 0.009 χ^2/NDF : 405904.4/105

- sign -40.196 ± 0.012 χ^2/NDF : 209820.0/54

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.129 ± 0.517 χ^2/NDF : 3046.4/26

Left Out: -55.424 ± 0.393 χ^2/NDF : 4525.3/24

Right Out: -87.705 ± 0.471 χ^2/NDF : 4612.9/31

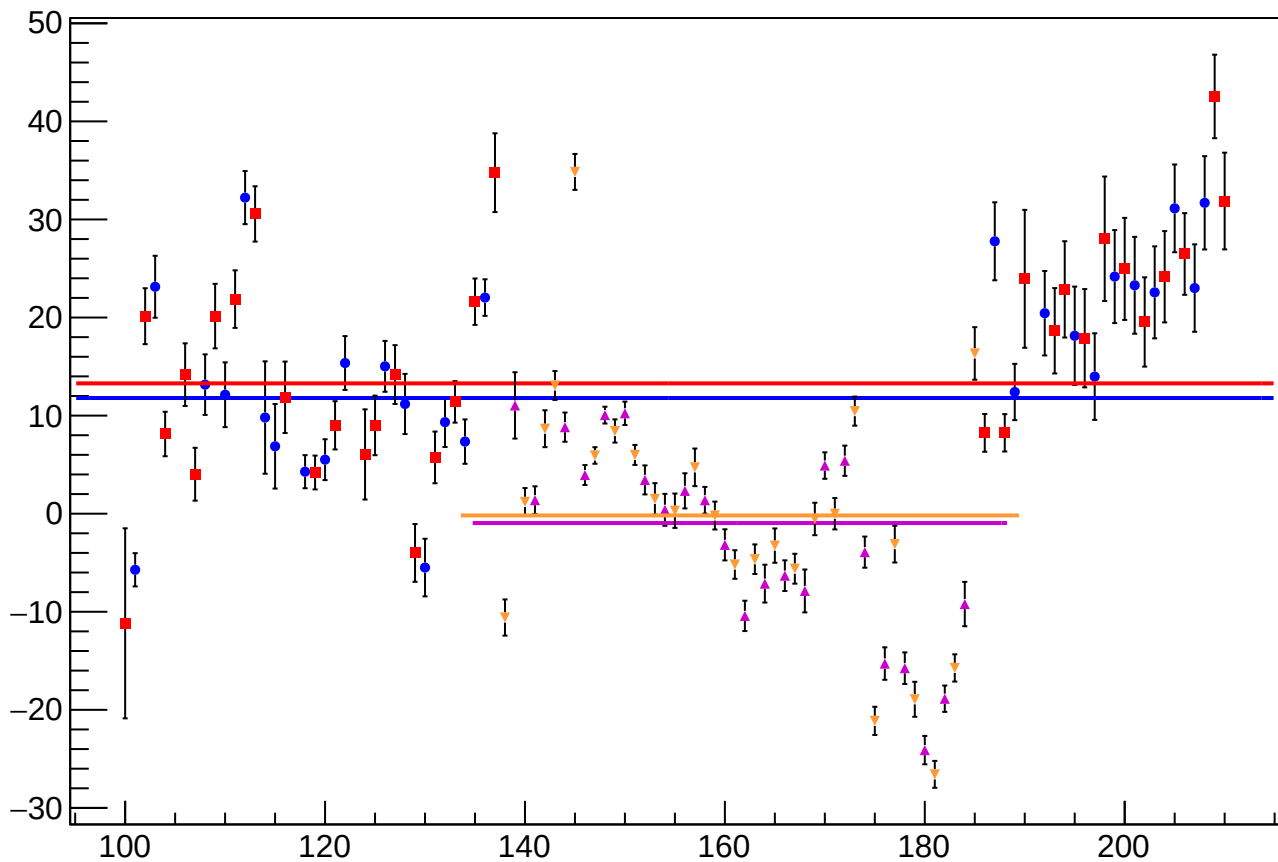
Left In: -56.609 ± 0.404 χ^2/NDF : 3350.3/22

+ sign -64.854 ± 0.313 χ^2/NDF : 9138.8/51

All: -67.374 ± 0.219 χ^2/NDF : 19743.7/106

- sign -69.791 ± 0.306 χ^2/NDF : 10477.8/54

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 11.796 ± 0.559 $\chi^2/\text{NDF}: 362.3/26$

Left Out: -0.179 ± 0.294 $\chi^2/\text{NDF}: 1598.6/24$

Right Out: 13.288 ± 0.536 $\chi^2/\text{NDF}: 311.3/31$

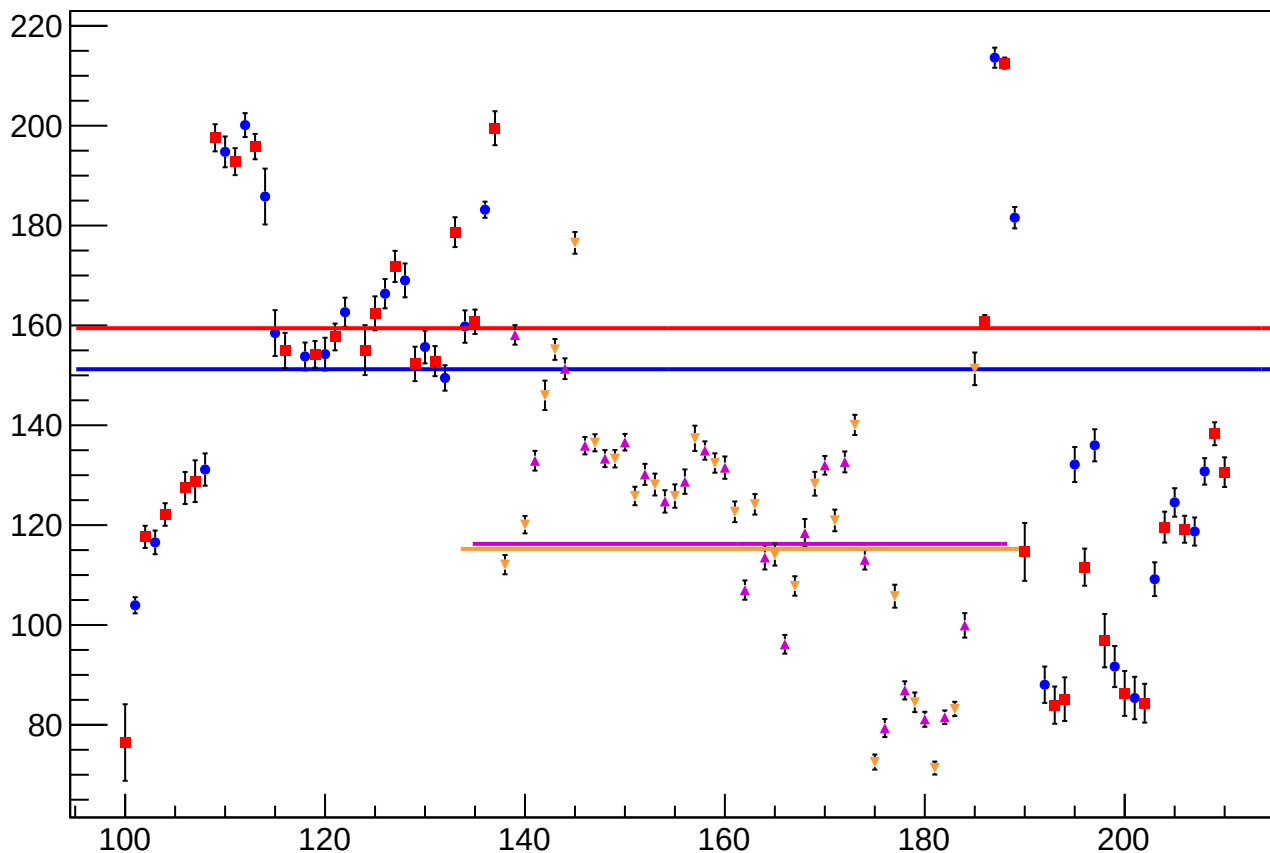
Left In: -0.952 ± 0.304 $\chi^2/\text{NDF}: 1069.6/22$

+ sign 2.415 ± 0.260 $\chi^2/\text{NDF}: 2319.9/51$

All: 2.462 ± 0.186 $\chi^2/\text{NDF}: 4234.3/106$

- sign 2.511 ± 0.265 $\chi^2/\text{NDF}: 1914.3/54$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 151.224 $\pm$ 0.527 χ^2 /NDF: 4633.8/26

Left Out: 115.243 $\pm$ 0.390 χ^2 /NDF: 4836.5/24

Right Out: 159.438 $\pm$ 0.470 χ^2 /NDF: 6222.2/31

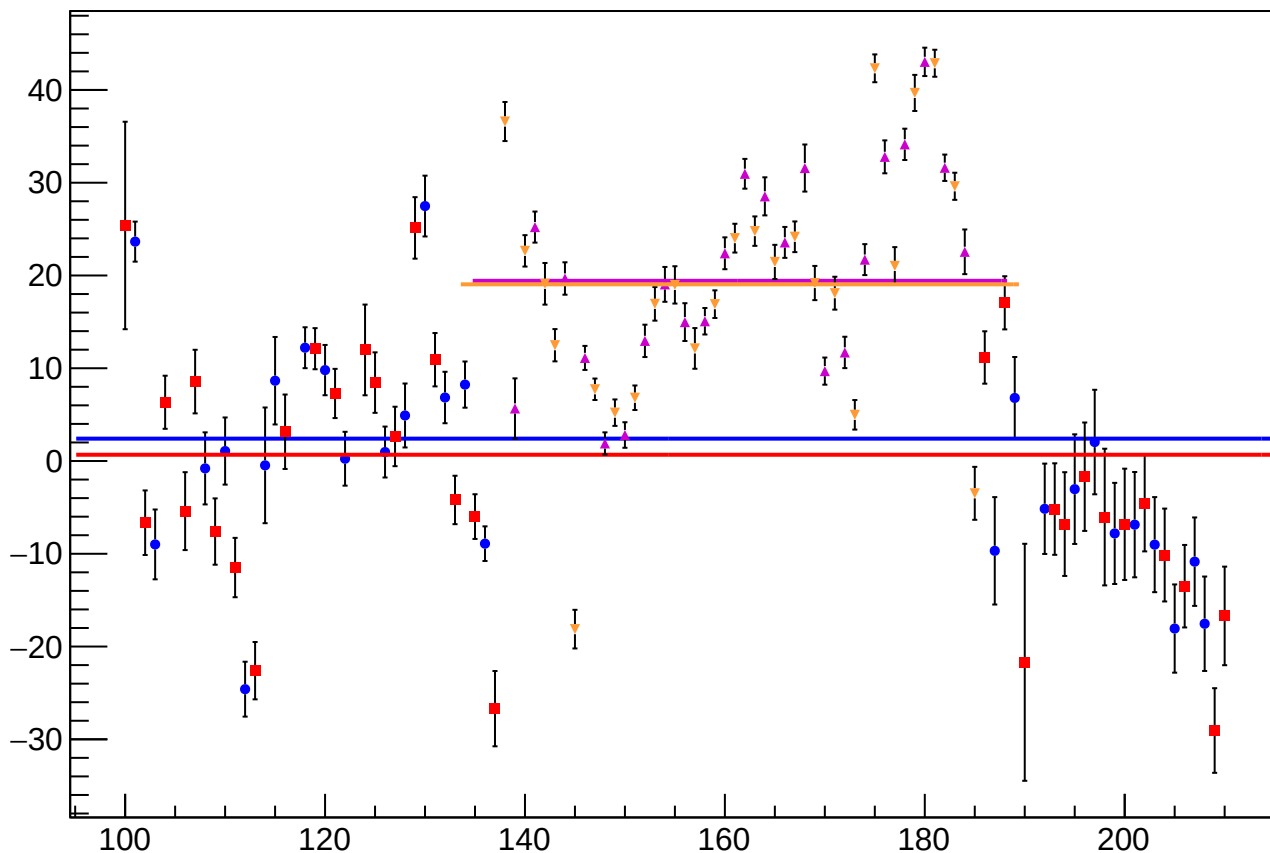
Left In: 116.246 $\pm$ 0.399 χ^2 /NDF: 3637.3/22

+ sign 127.978 $\pm$ 0.314 χ^2 /NDF: 12477.5/51

All: 131.252 $\pm$ 0.218 χ^2 /NDF: 27451.3/106

- sign 134.332 $\pm$ 0.304 χ^2 /NDF: 14762.4/54

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 2.411 ± 0.649 χ^2/NDF : 385.4/26

Left Out: 19.046 ± 0.336 χ^2/NDF : 1545.8/24

Right Out: 0.676 ± 0.635 χ^2/NDF : 389.8/31

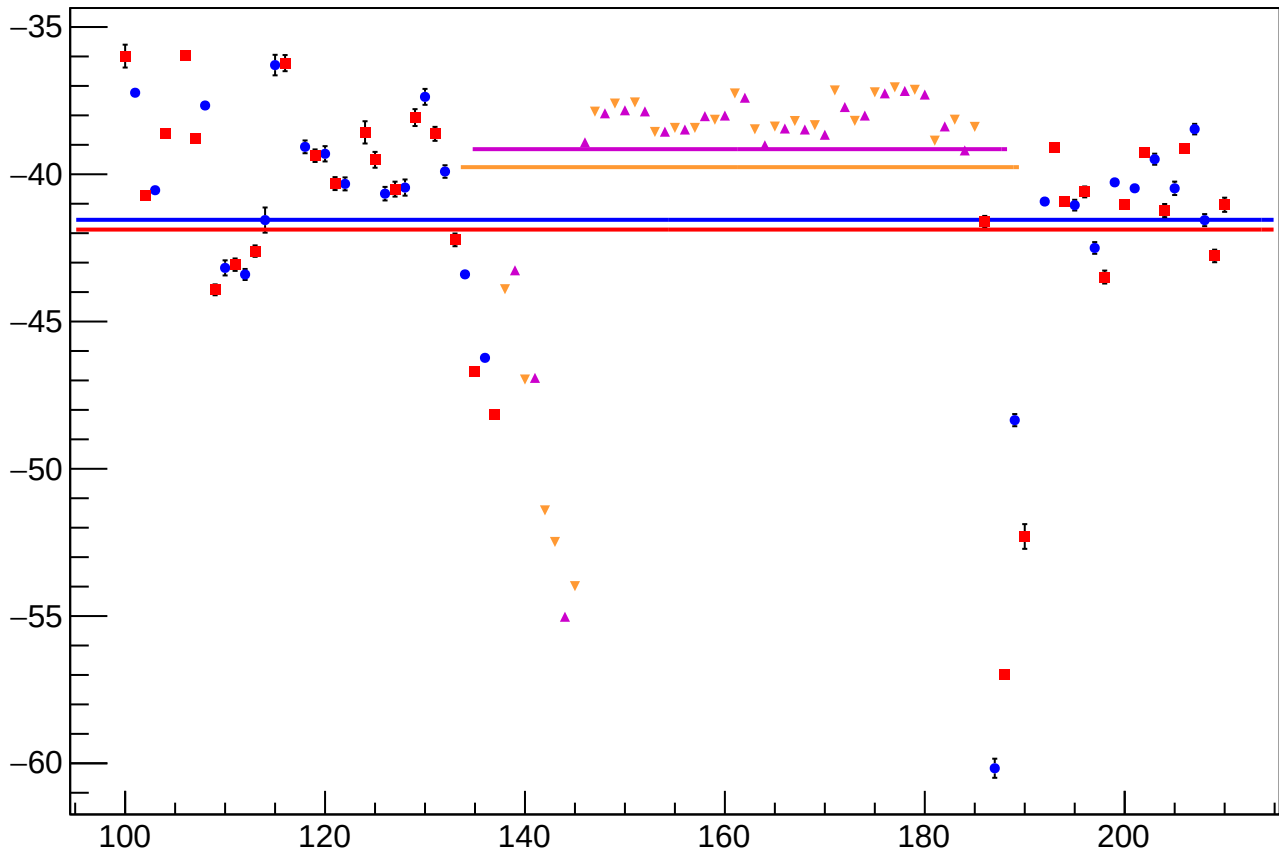
Left In: 19.425 ± 0.346 χ^2/NDF : 1077.2/22

+ sign 15.527 ± 0.298 χ^2/NDF : 2449.3/51

All: 15.335 ± 0.213 χ^2/NDF : 4589.9/106

- sign 15.137 ± 0.304 χ^2/NDF : 2139.7/54

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.546 ± 0.032 χ^2/NDF : 12890.0/26

Left Out: -39.758 ± 0.015 χ^2/NDF : 81865.0/24

Right Out: -41.878 ± 0.031 χ^2/NDF : 19762.3/31

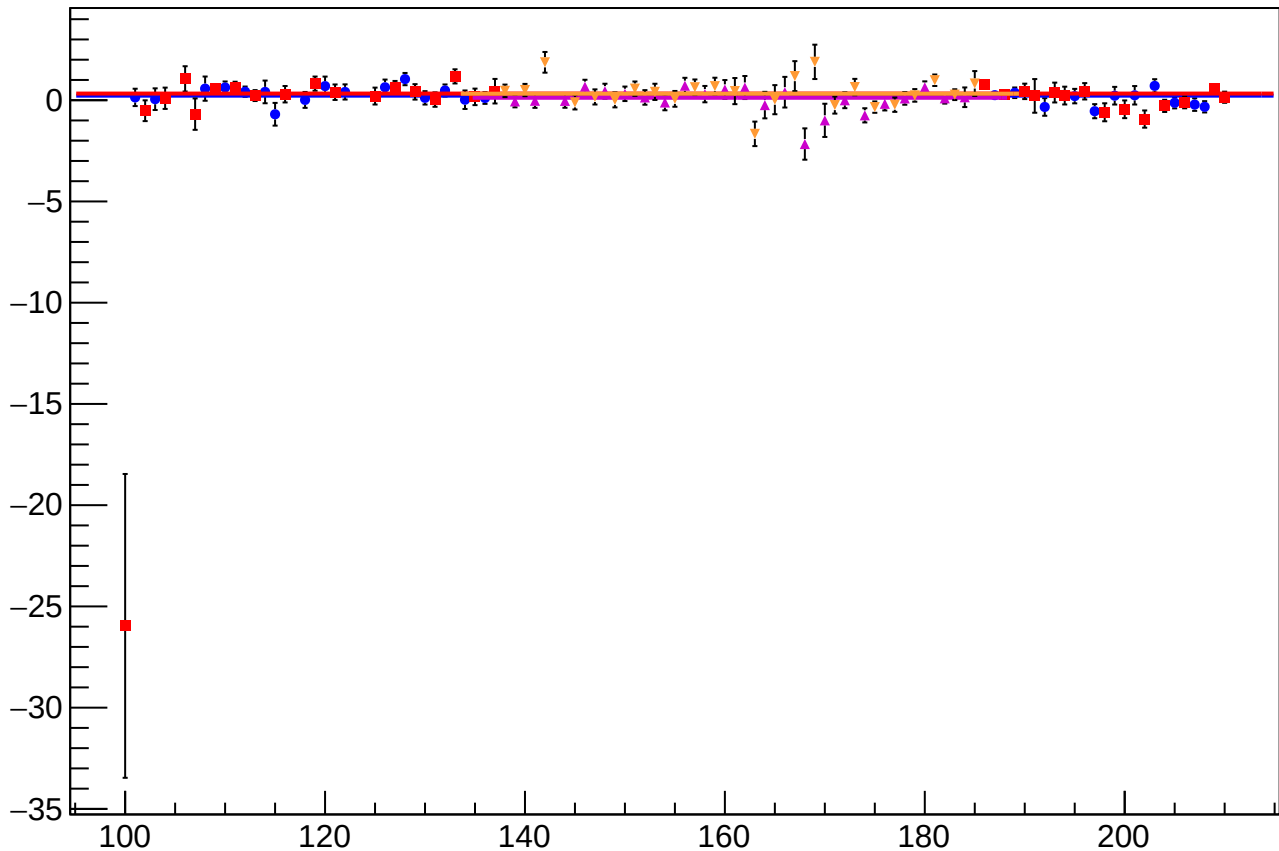
Left In: -39.147 ± 0.016 χ^2/NDF : 46907.5/22

+ sign -40.102 ± 0.014 χ^2/NDF : 97338.6/51

All: -39.898 ± 0.010 χ^2/NDF : 170525.5/106

- sign -39.690 ± 0.014 χ^2/NDF : 72747.2/54

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.225 ± 0.066 χ^2/NDF : 33.4/26

Left Out: 0.321 ± 0.078 χ^2/NDF : 46.9/23

Right Out: 0.328 ± 0.057 χ^2/NDF : 61.5/31

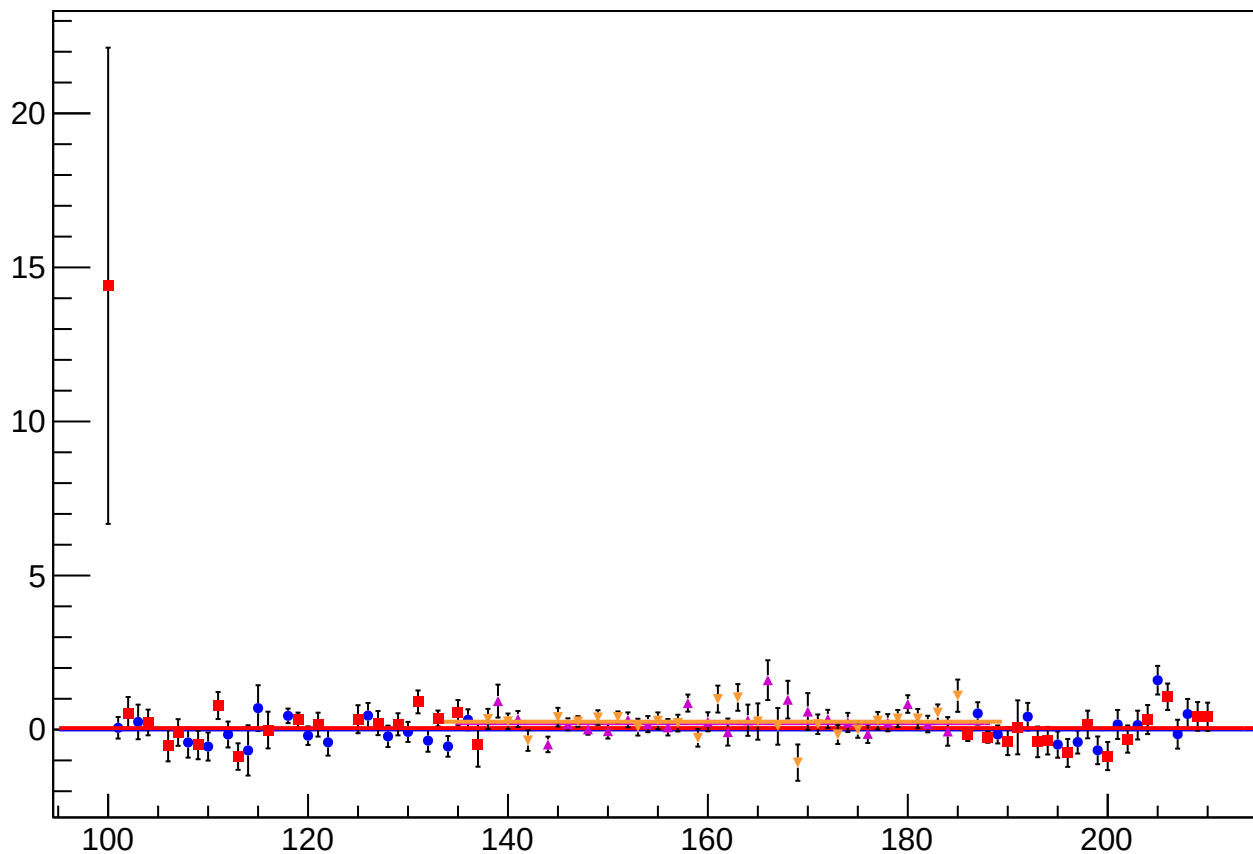
Left In: 0.120 ± 0.079 χ^2/NDF : 30.0/22

+ sign 0.265 ± 0.050 χ^2/NDF : 81.1/50

All: 0.261 ± 0.034 χ^2/NDF : 177.1/105

- sign 0.257 ± 0.046 χ^2/NDF : 96.0/54

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.004 ± 0.075 χ^2/NDF : 36.5/26

Left Out: 0.257 ± 0.059 χ^2/NDF : 26.5/23

Right Out: 0.048 ± 0.068 χ^2/NDF : 46.4/31

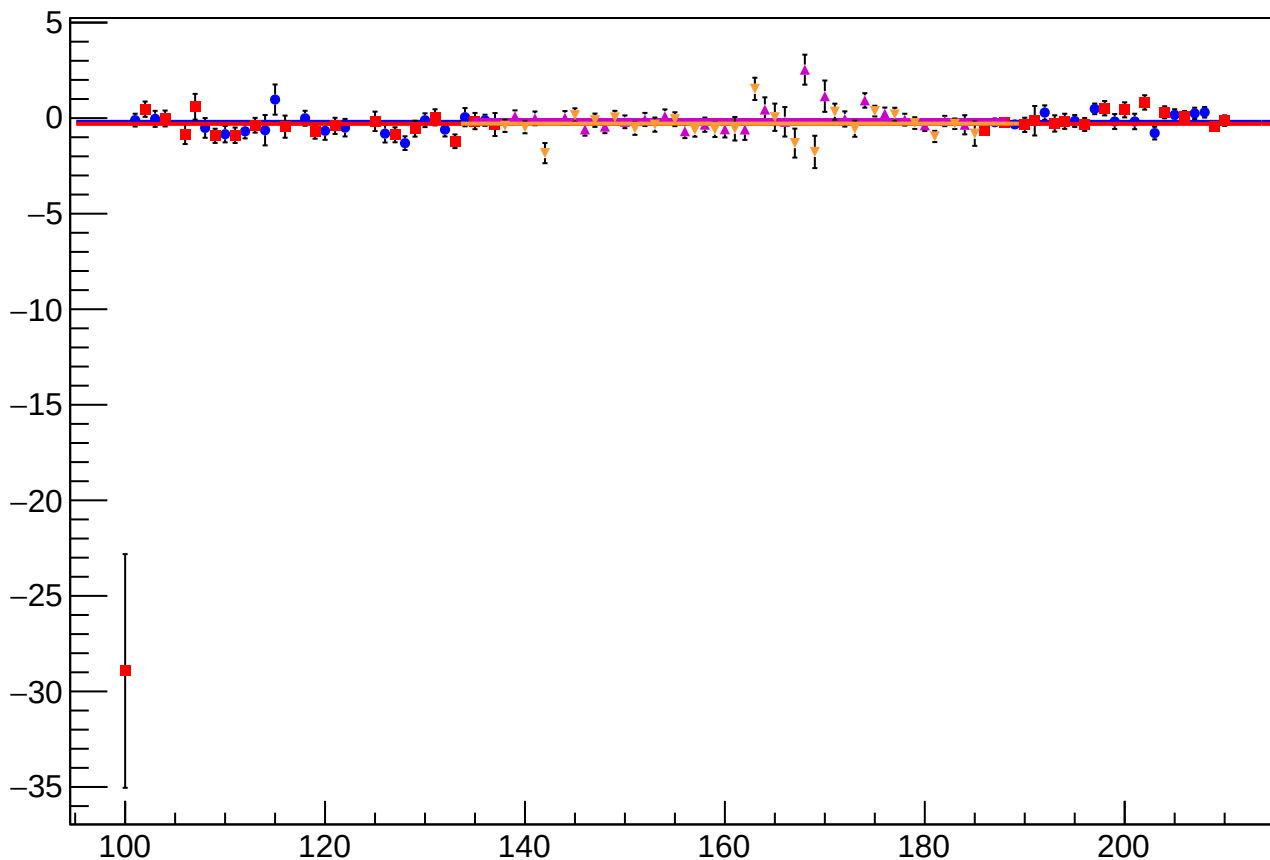
Left In: 0.207 ± 0.060 χ^2/NDF : 31.9/22

+ sign 0.160 ± 0.047 χ^2/NDF : 69.9/50

All: 0.148 ± 0.032 χ^2/NDF : 151.5/105

- sign 0.137 ± 0.045 χ^2/NDF : 81.4/54

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.194 ± 0.066 χ^2/NDF : 40.1/26

Left Out: -0.286 ± 0.077 χ^2/NDF : 45.0/23

Right Out: -0.300 ± 0.054 χ^2/NDF : 75.5/31

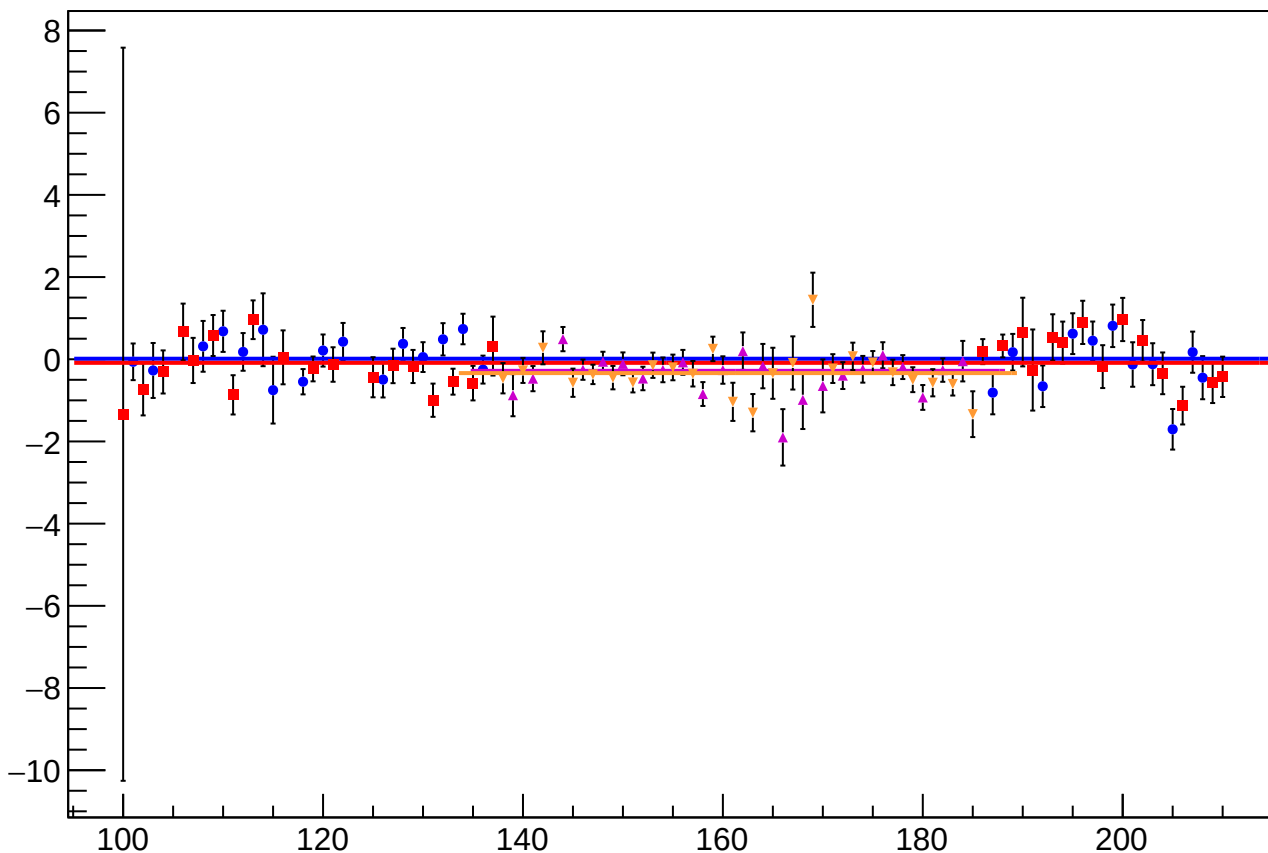
Left In: -0.100 ± 0.078 χ^2/NDF : 33.2/22

+ sign -0.233 ± 0.050 χ^2/NDF : 85.9/50

All: -0.234 ± 0.033 χ^2/NDF : 199.1/105

- sign -0.235 ± 0.045 χ^2/NDF : 113.1/54

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.013 ± 0.088 χ^2/NDF : 38.6/26

Left Out: -0.337 ± 0.068 χ^2/NDF : 30.1/23

Right Out: -0.087 ± 0.082 χ^2/NDF : 43.0/31

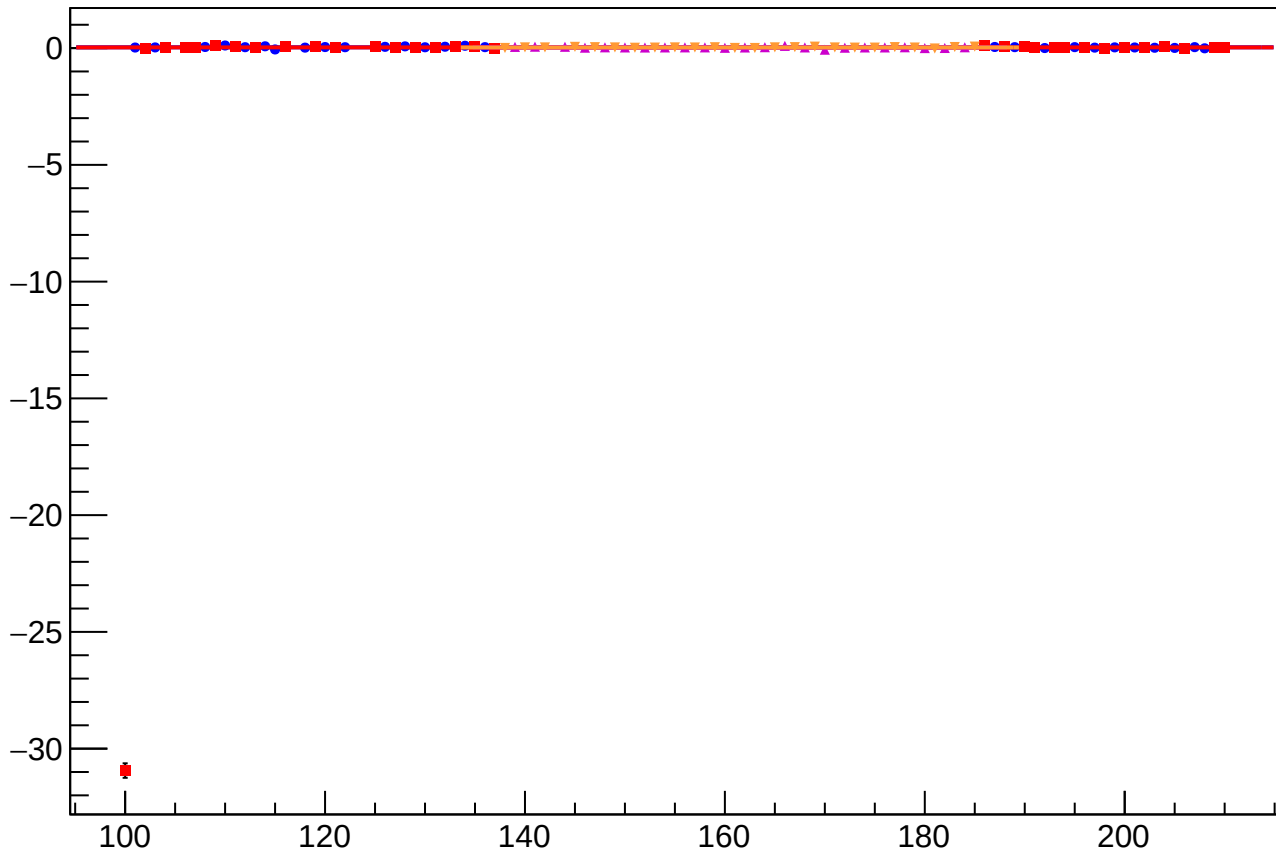
Left In: -0.282 ± 0.069 χ^2/NDF : 29.0/22

+ sign -0.206 ± 0.054 χ^2/NDF : 78.6/50

All: -0.204 ± 0.038 χ^2/NDF : 153.9/105

- sign -0.201 ± 0.053 χ^2/NDF : 75.3/54

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.035 $\pm$ 0.004 χ^2 /NDF: 36.1/26

Left Out: 0.028 $\pm$ 0.003 χ^2 /NDF:27.6/23

Right Out: 0.031 $\pm$ 0.004 χ^2 /NDF: 10055.0/31

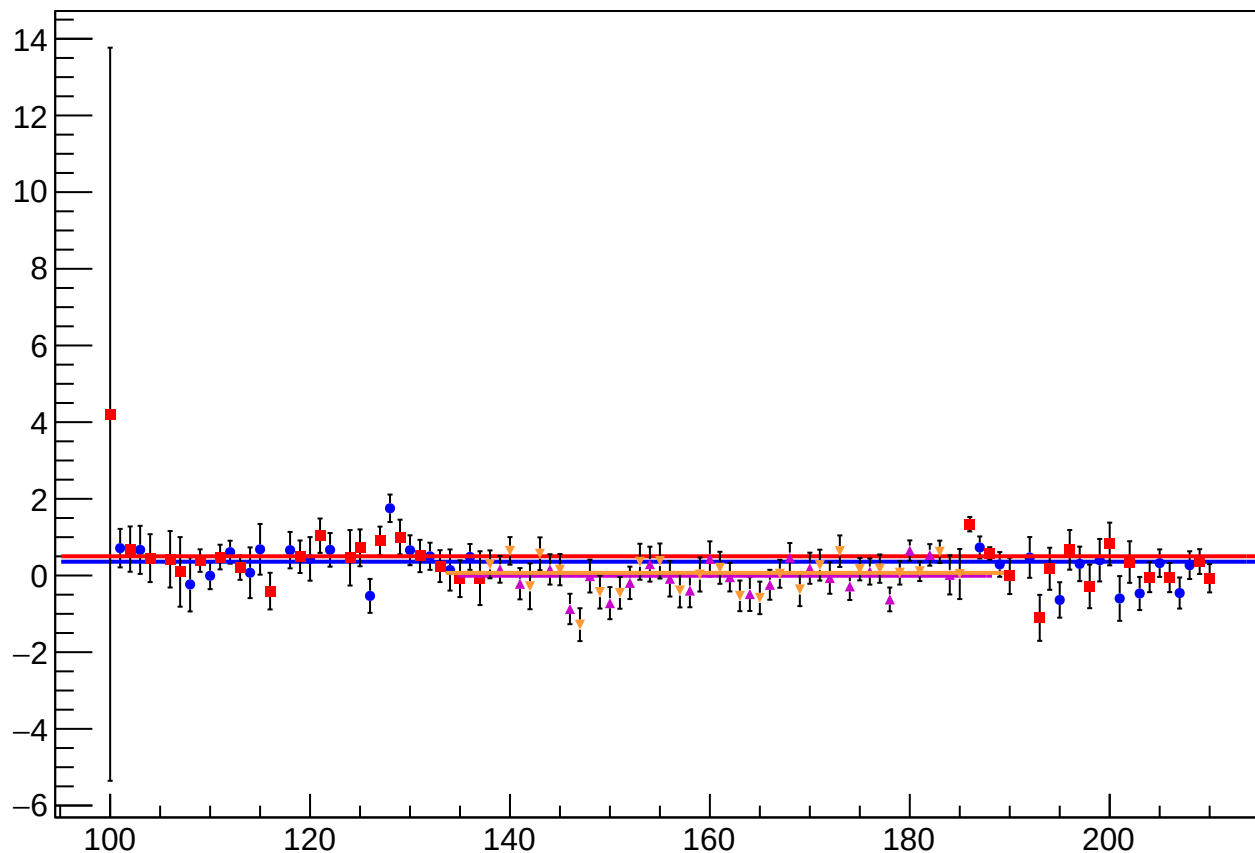
Left In: 0.029 $\pm$ 0.003 χ^2 /NDF:38.9/22

+ sign 0.031 $\pm$ 0.002 χ^2 /NDF: 65.6/50

All: 0.030 $\pm$ 0.002 χ^2 /NDF: 10159.5/105

- sign 0.030 $\pm$ 0.002 χ^2 /NDF: 10094.0/54

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.360 ± 0.081 $\chi^2/\text{NDF}: 41.8/26$

Left Out: 0.069 ± 0.077 $\chi^2/\text{NDF}: 31.1/24$

Right Out: 0.501 ± 0.069 $\chi^2/\text{NDF}: 49.6/31$

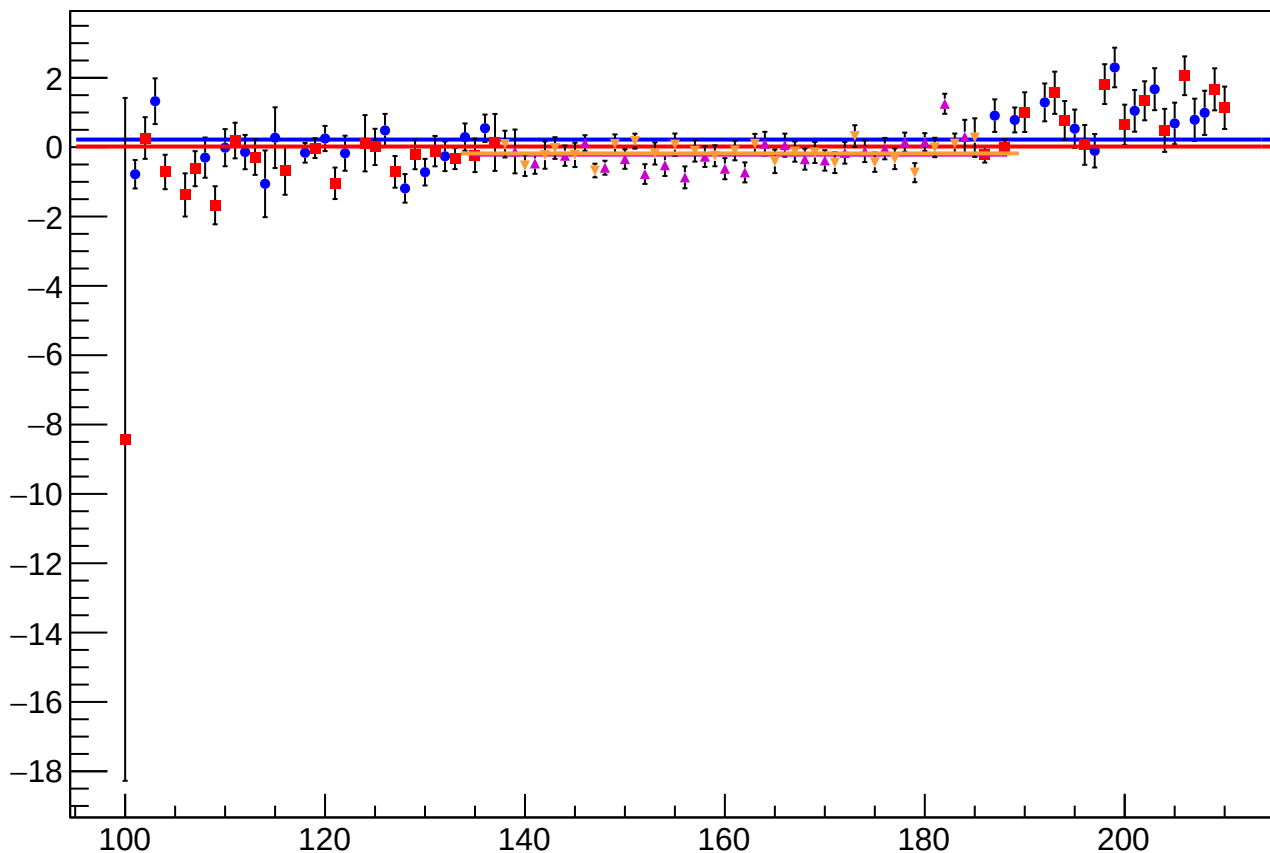
Left In: -0.006 ± 0.079 $\chi^2/\text{NDF}: 28.5/22$

+ sign 0.208 ± 0.056 $\chi^2/\text{NDF}: 79.7/51$

All: 0.248 ± 0.038 $\chi^2/\text{NDF}: 182.1/106$

- sign 0.284 ± 0.052 $\chi^2/\text{NDF}: 101.4/54$

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.219 ± 0.091 χ^2/NDF : 67.5/26

Left Out: -0.180 ± 0.059 χ^2/NDF : 24.7/24

Right Out: 0.019 ± 0.081 χ^2/NDF : 84.2/31

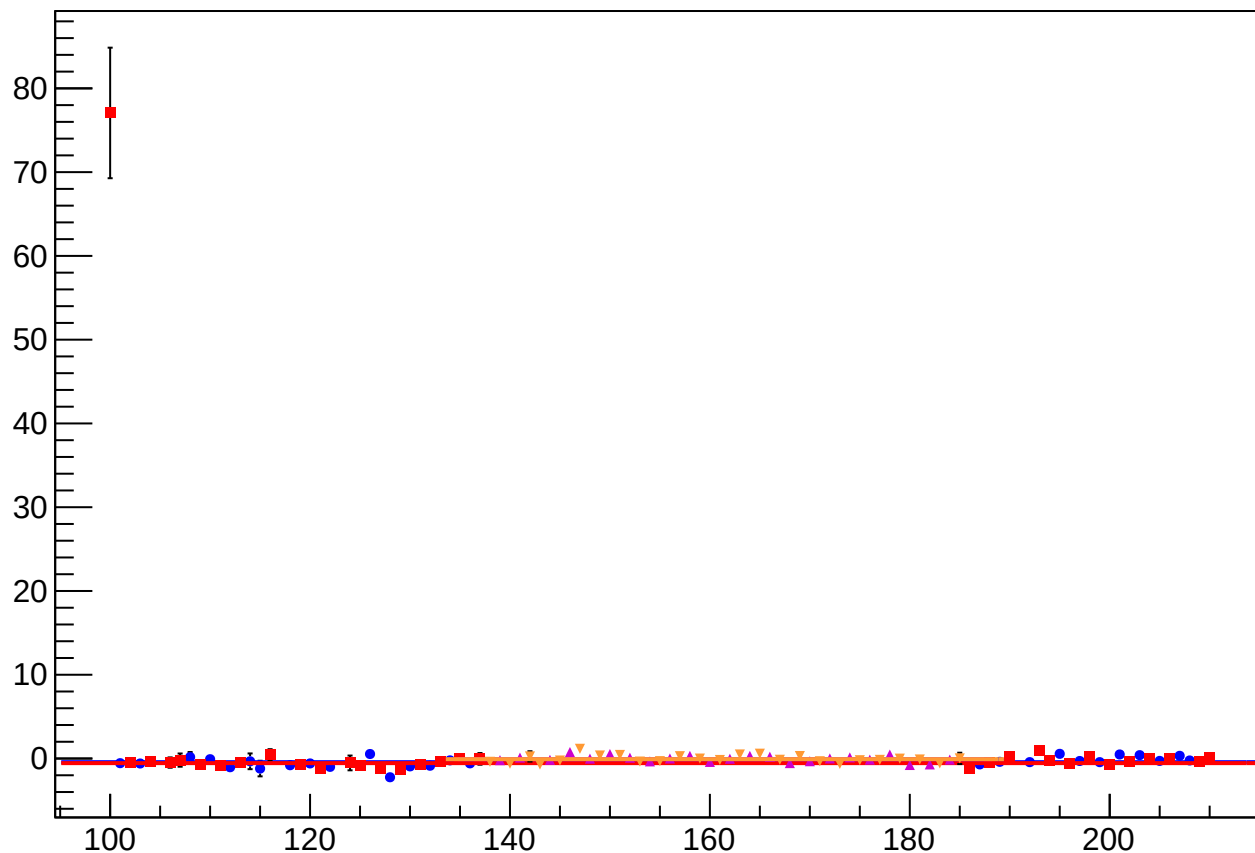
Left In: -0.216 ± 0.062 χ^2/NDF : 53.6/22

+ sign -0.062 ± 0.050 χ^2/NDF : 105.7/51

All: -0.097 ± 0.035 χ^2/NDF : 249.7/106

- sign -0.130 ± 0.049 χ^2/NDF : 143.0/54

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.437 ± 0.081 χ^2/NDF : 48.8/26

Left Out: -0.077 ± 0.077 χ^2/NDF : 30.0/24

Right Out: -0.551 ± 0.066 χ^2/NDF : 149.0/31

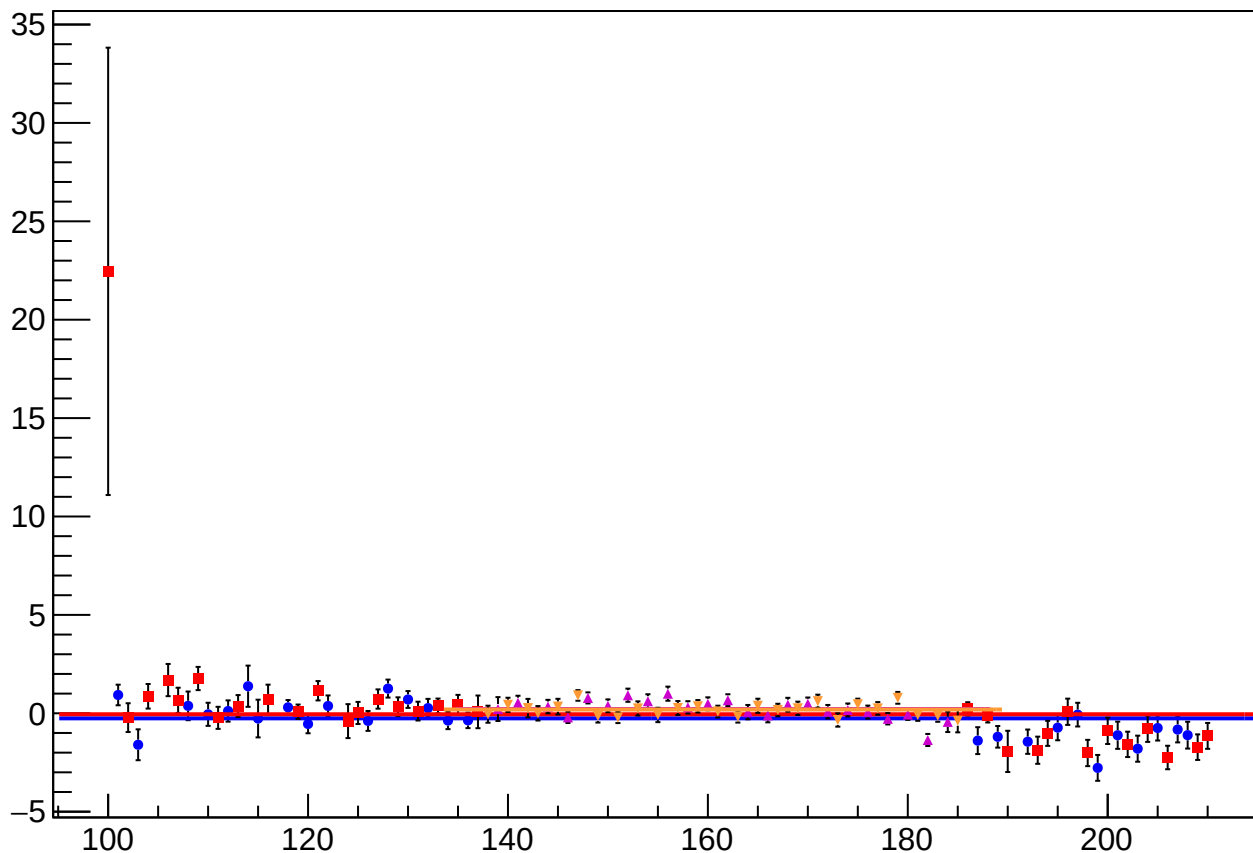
Left In: -0.075 ± 0.079 χ^2/NDF : 28.3/22

+ sign -0.247 ± 0.056 χ^2/NDF : 89.2/51

All: -0.306 ± 0.037 χ^2/NDF : 290.1/106

- sign -0.355 ± 0.050 χ^2/NDF : 198.8/54

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.257 ± 0.107 χ^2/NDF : 67.8/26

Left Out: 0.193 ± 0.067 χ^2/NDF : 25.9/24

Right Out: -0.049 ± 0.099 χ^2/NDF : 88.0/31

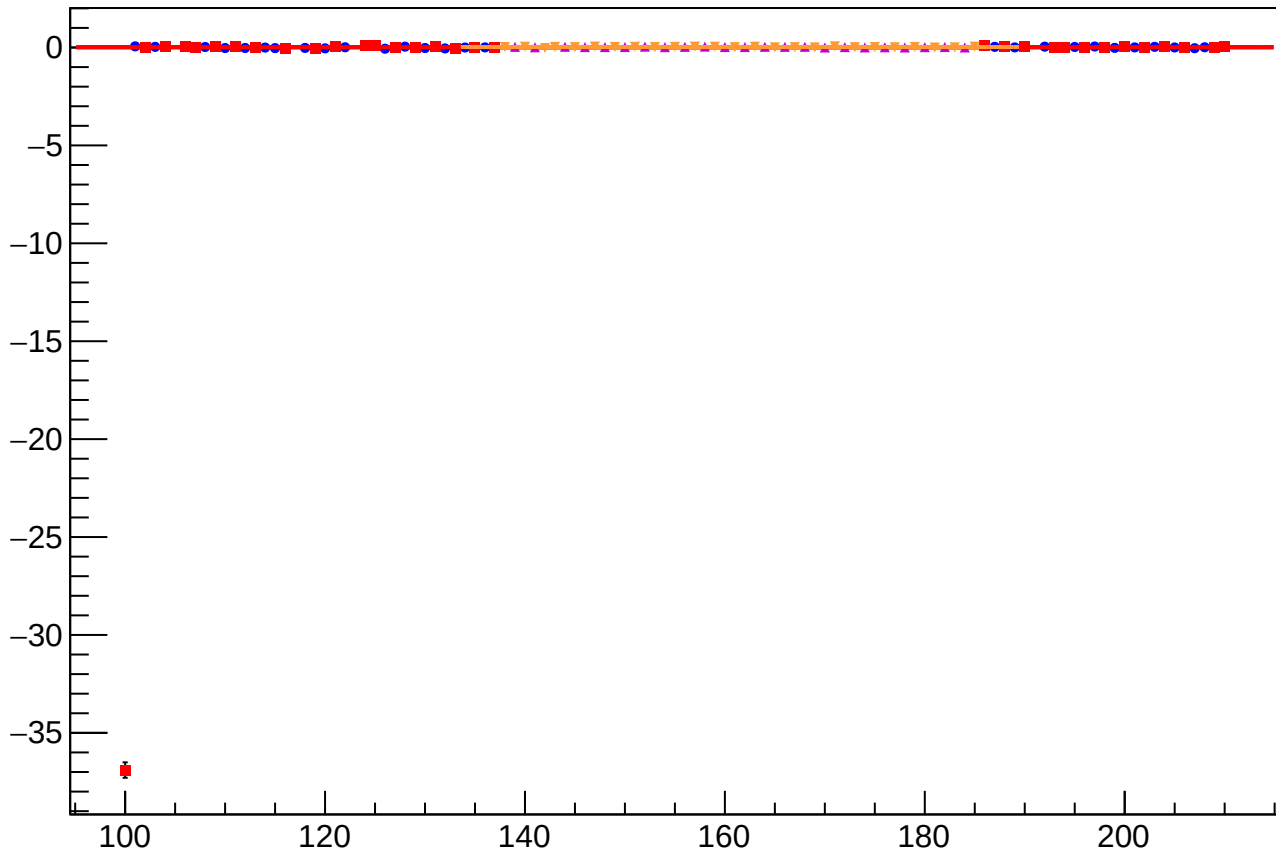
Left In: 0.215 ± 0.069 χ^2/NDF : 55.1/22

+ sign 0.066 ± 0.057 χ^2/NDF : 106.6/51

All: 0.097 ± 0.040 χ^2/NDF : 255.0/106

- sign 0.128 ± 0.057 χ^2/NDF : 147.9/54

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.011 $\pm$ 0.005 χ^2 /NDF: 32.4/26

Left Out: 0.024 $\pm$ 0.003 χ^2 /NDF:30.2/24

Right Out: 0.015 $\pm$ 0.005 χ^2 /NDF: 8781.8/31

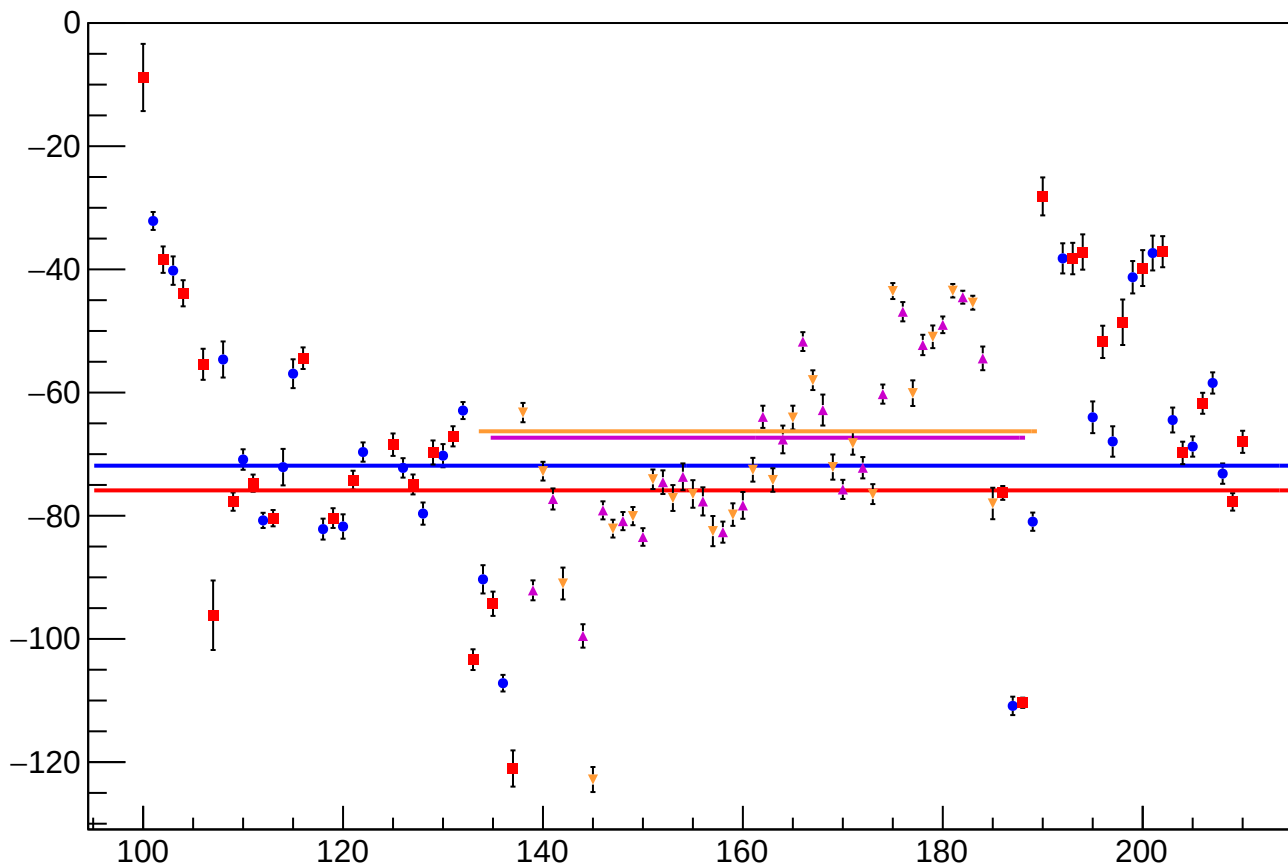
Left In: 0.024 $\pm$ 0.003 χ^2 /NDF:18.0/22

+ sign 0.021 $\pm$ 0.003 χ^2 /NDF: 67.7/51

All: 0.021 $\pm$ 0.002 χ^2 /NDF: 8869.9/106

- sign 0.022 $\pm$ 0.003 χ^2 /NDF: 8802.2/54

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.871 ± 0.346 $\chi^2/\text{NDF}: 3218.8/26$

Left Out: -66.289 ± 0.344 $\chi^2/\text{NDF}: 2550.4/23$

Right Out: -75.882 ± 0.317 $\chi^2/\text{NDF}: 4585.5/30$

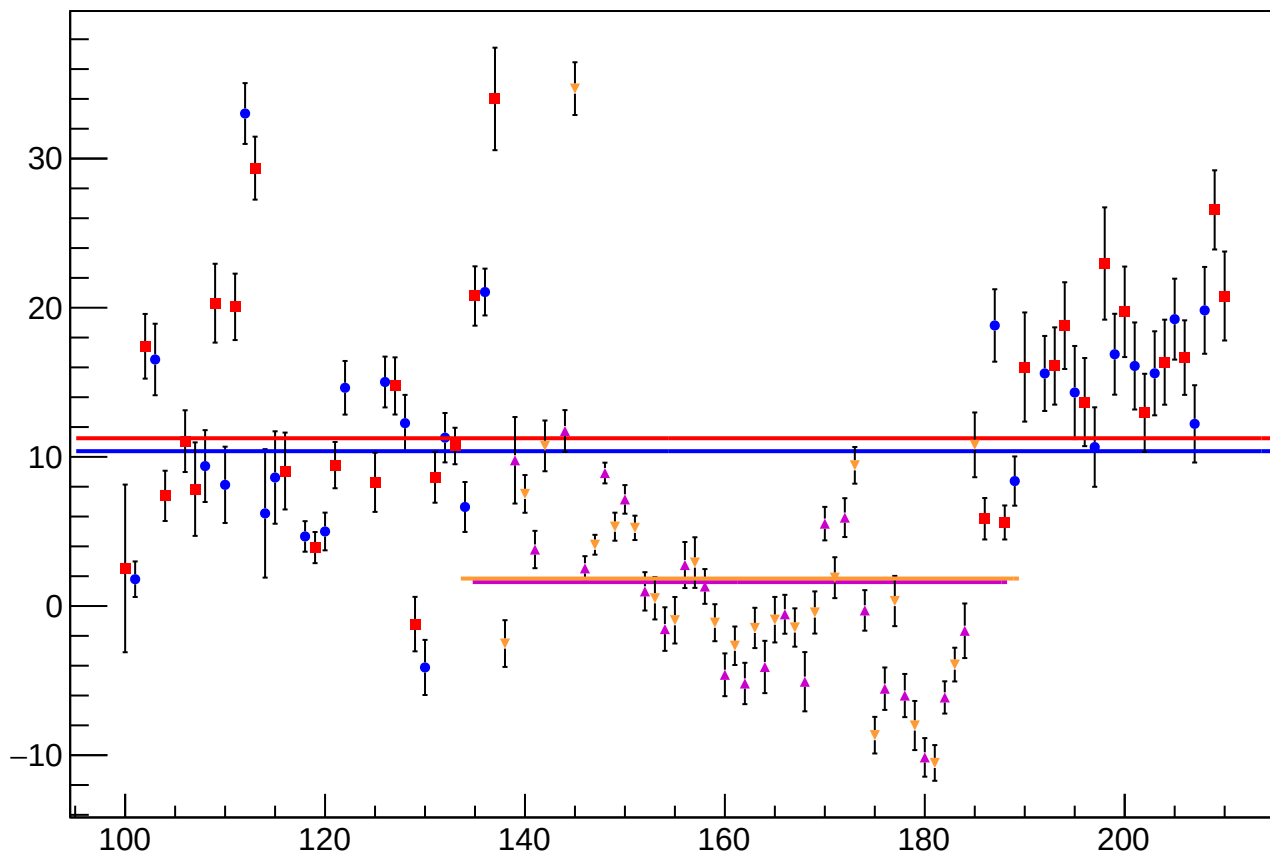
Left In: -67.331 ± 0.345 $\chi^2/\text{NDF}: 2102.6/22$

+ sign -69.059 ± 0.244 $\chi^2/\text{NDF}: 5900.0/50$

All: -70.582 ± 0.169 $\chi^2/\text{NDF}: 12996.1/104$

- sign -71.975 ± 0.233 $\chi^2/\text{NDF}: 7021.5/53$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.382 ± 0.371 $\chi^2/\text{NDF}: 414.4/26$

Left Out: 1.842 ± 0.254 $\chi^2/\text{NDF}: 781.5/23$

Right Out: 11.249 ± 0.359 $\chi^2/\text{NDF}: 412.4/30$

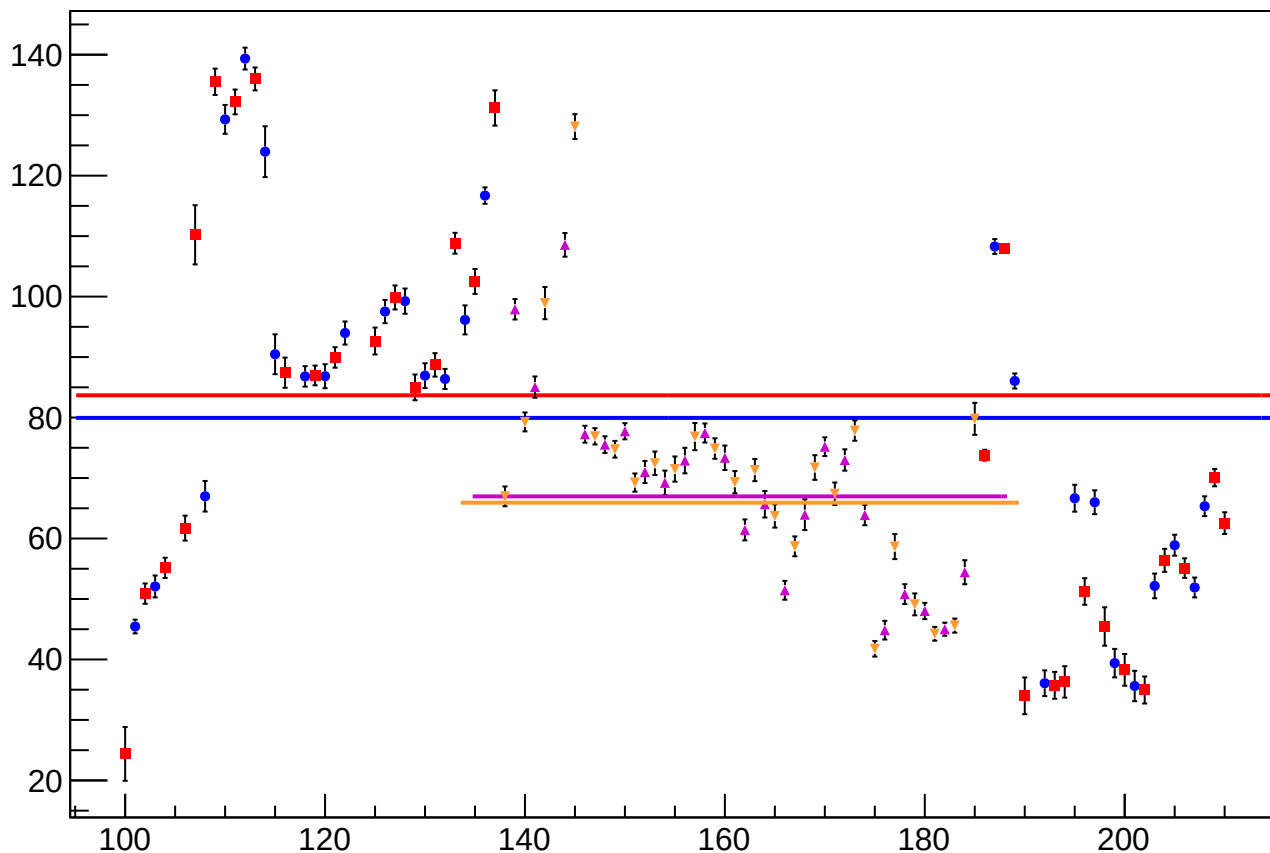
Left In: 1.605 ± 0.258 $\chi^2/\text{NDF}: 496.6/22$

+ sign 4.571 ± 0.210 $\chi^2/\text{NDF}: 1555.9/50$

All: 4.735 ± 0.148 $\chi^2/\text{NDF}: 2941.9/104$

- sign 4.899 ± 0.210 $\chi^2/\text{NDF}: 1384.7/53$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 79.943 ± 0.349 χ^2/NDF : 6247.6/26

Left Out: 65.923 ± 0.341 χ^2/NDF : 2555.6/23

Right Out: 83.679 ± 0.311 χ^2/NDF : 7955.3/30

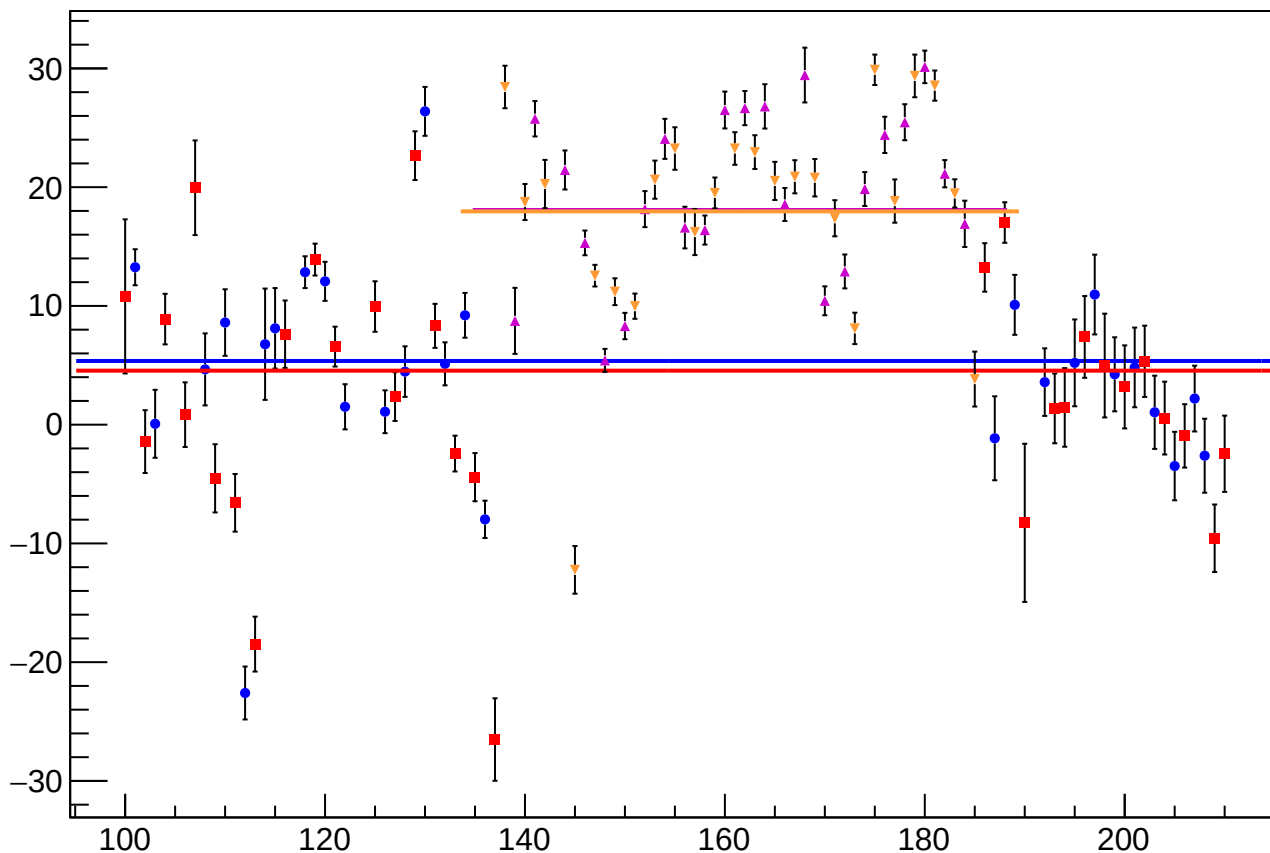
Left In: 66.964 ± 0.341 χ^2/NDF : 2221.3/22

+ sign 72.758 ± 0.244 χ^2/NDF : 9629.7/50

All: 74.529 ± 0.167 χ^2/NDF : 21217.8/104

- sign 76.102 ± 0.230 χ^2/NDF : 11488.5/53

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.363 ± 0.436 χ^2/NDF : 457.7/26

Left Out: 17.963 ± 0.292 χ^2/NDF : 732.1/23

Right Out: 4.549 ± 0.428 χ^2/NDF : 532.3/30

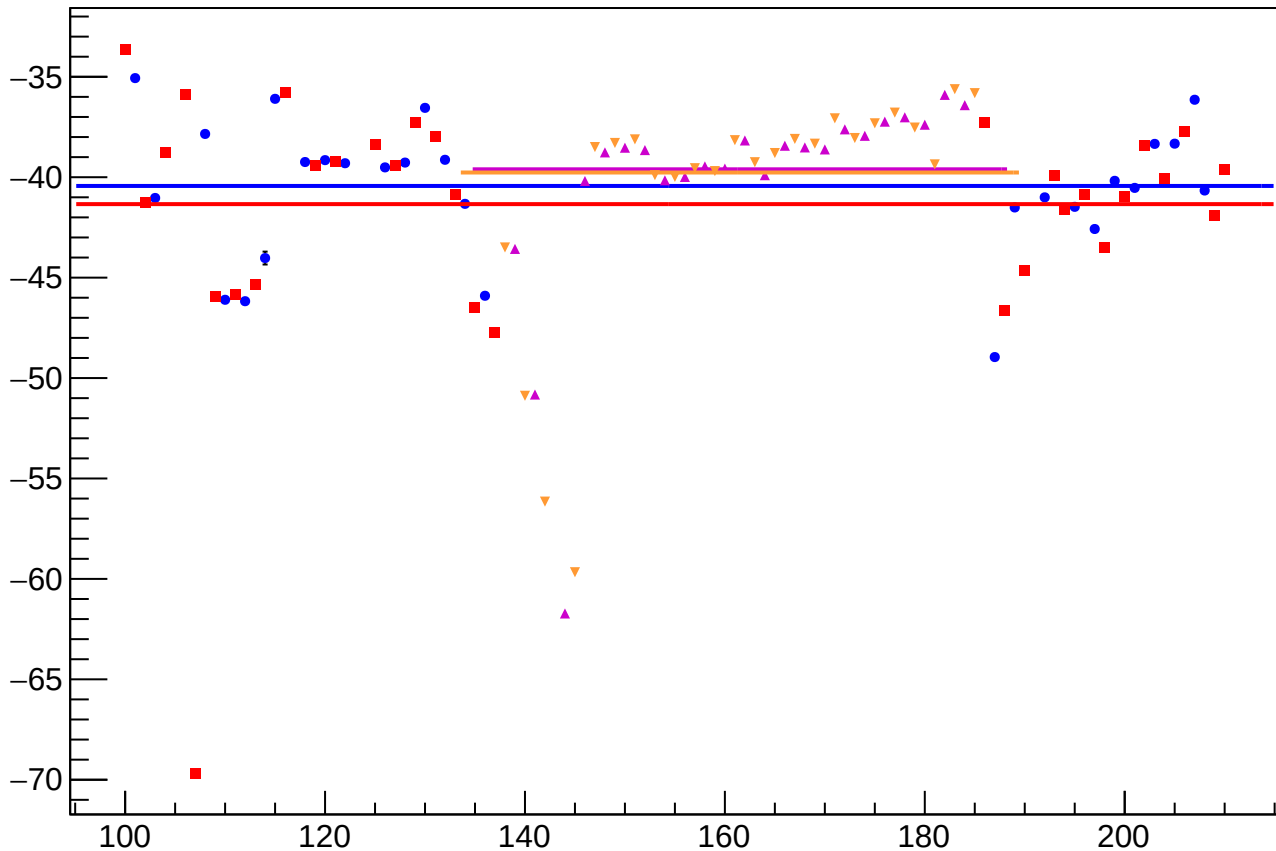
Left In: 18.079 ± 0.295 χ^2/NDF : 605.0/22

+ sign 14.062 ± 0.243 χ^2/NDF : 1766.4/50

All: 13.893 ± 0.172 χ^2/NDF : 3582.6/104

- sign 13.724 ± 0.243 χ^2/NDF : 1815.2/53

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.434 ± 0.022 $\chi^2/\text{NDF}: 22859.7/26$

Left Out: -39.765 ± 0.013 $\chi^2/\text{NDF}: 129895.4/23$

Right Out: -41.339 ± 0.021 $\chi^2/\text{NDF}: 44778.8/30$

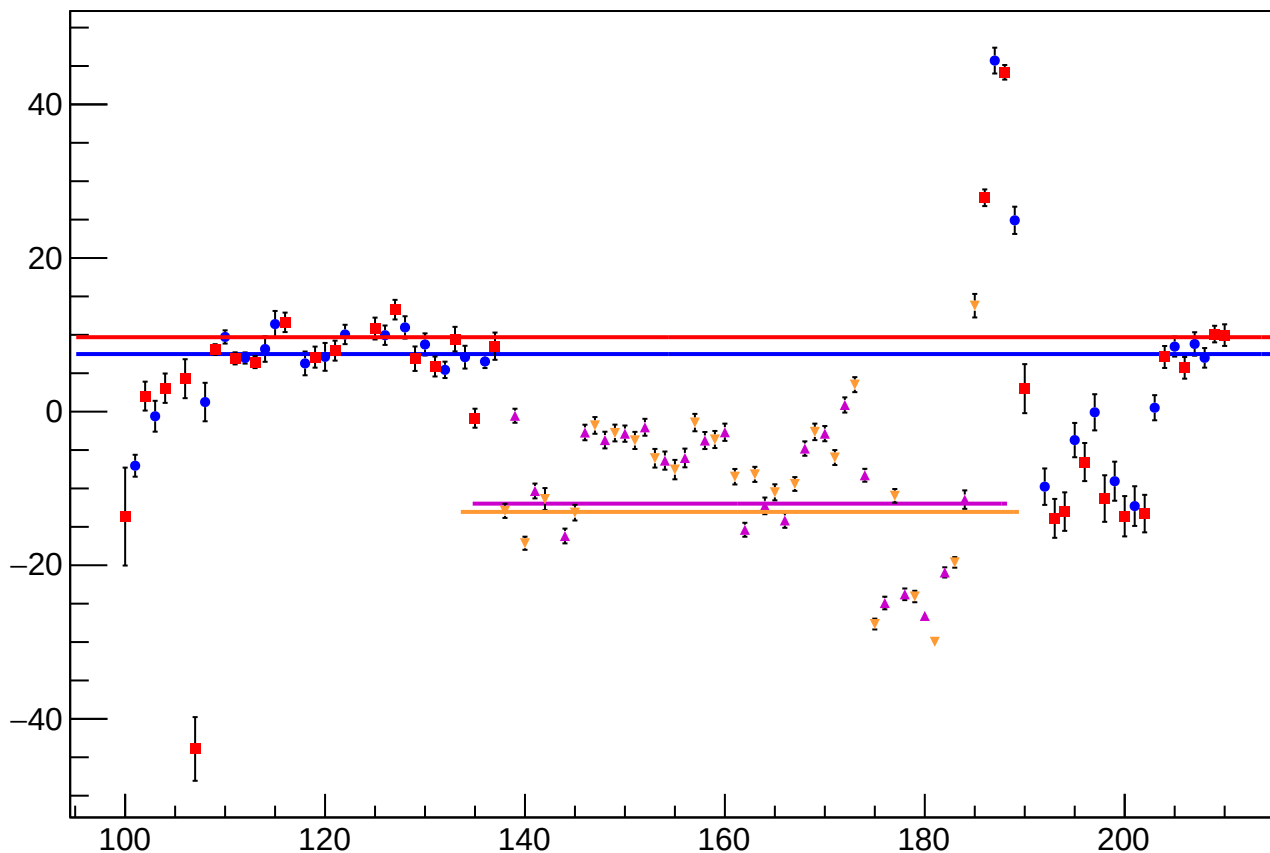
Left In: -39.606 ± 0.013 $\chi^2/\text{NDF}: 106639.2/22$

+ sign -39.953 ± 0.011 $\chi^2/\text{NDF}: 153448.9/50$

All: -40.027 ± 0.008 $\chi^2/\text{NDF}: 309737.8/104$

- sign -40.100 ± 0.011 $\chi^2/\text{NDF}: 156205.2/53$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.496 ± 0.267 $\chi^2/\text{NDF}: 980.6/26$

Left Out: -13.054 ± 0.193 $\chi^2/\text{NDF}: 2868.1/23$

Right Out: 9.692 ± 0.246 $\chi^2/\text{NDF}: 2387.3/30$

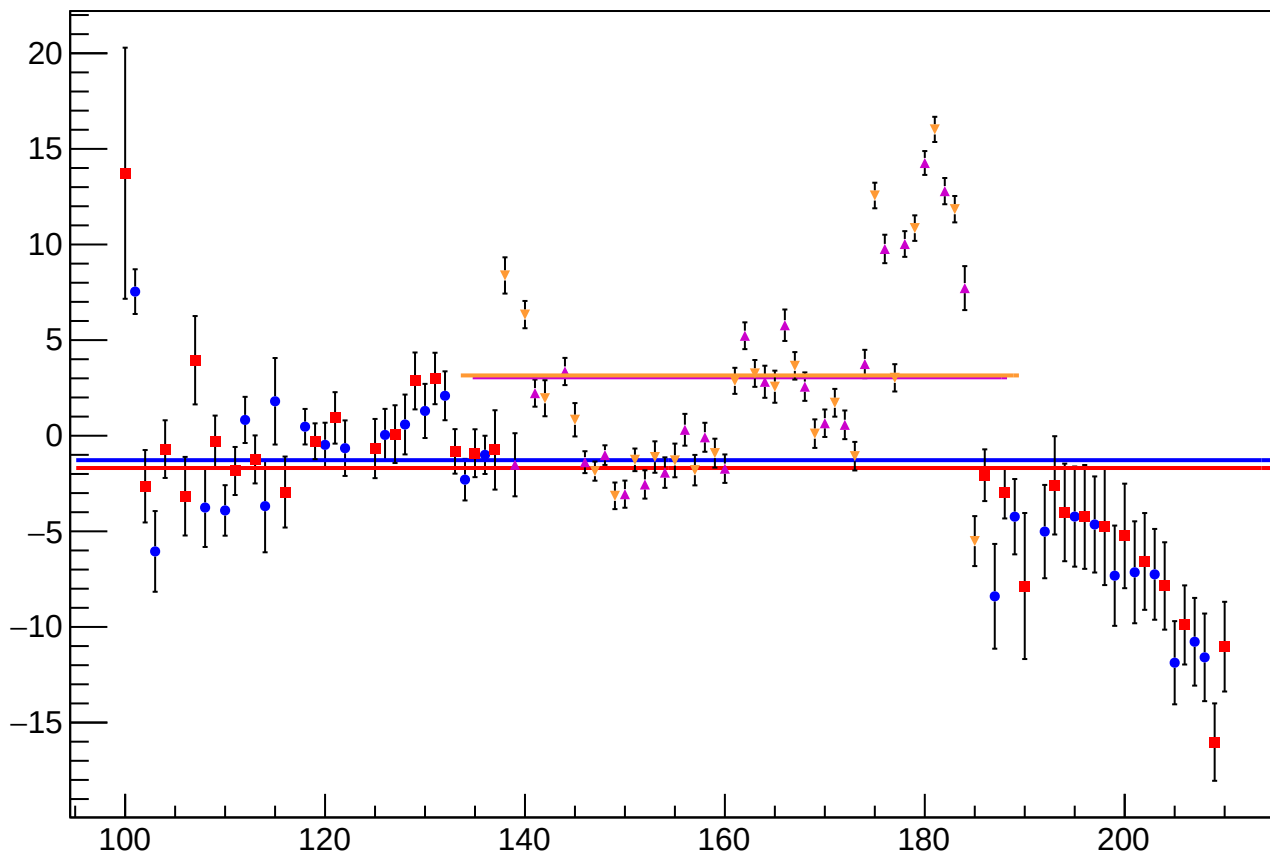
Left In: -11.978 ± 0.195 $\chi^2/\text{NDF}: 2176.6/22$

+ sign -6.023 ± 0.156 $\chi^2/\text{NDF}: 7737.2/50$

All: -4.776 ± 0.109 $\chi^2/\text{NDF}: 17186.4/104$

- sign -3.582 ± 0.153 $\chi^2/\text{NDF}: 9324.8/53$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.278+/-0.301 χ^2/NDF : 183.0/26

Left Out: 3.153+/-0.149 χ^2/NDF :1385.1/23

Right Out: -1.688+/-0.298 χ^2/NDF : 145.7/30

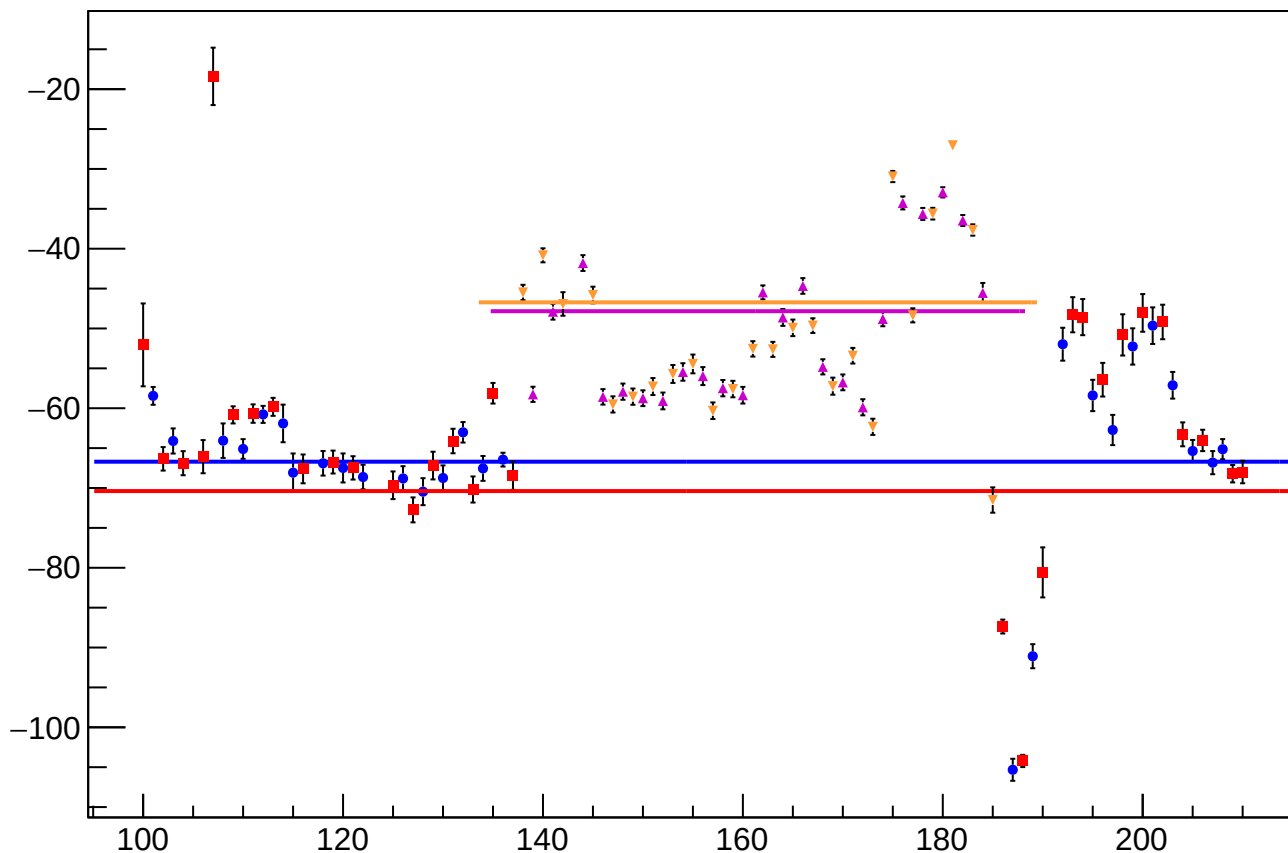
Left In: 3.055+/-0.152 χ^2/NDF :1145.0/22

+ sign 2.281+/-0.134 χ^2/NDF : 1741.9/50

All: 2.178+/-0.095 χ^2/NDF : 3235.3/104

- sign 2.073+/-0.135 χ^2/NDF : 1492.2/53

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.702 ± 0.288 χ^2/NDF : 1362.2/26

Left Out: -46.724 ± 0.192 χ^2/NDF : 3446.1/23

Right Out: -70.383 ± 0.264 χ^2/NDF : 3474.8/30

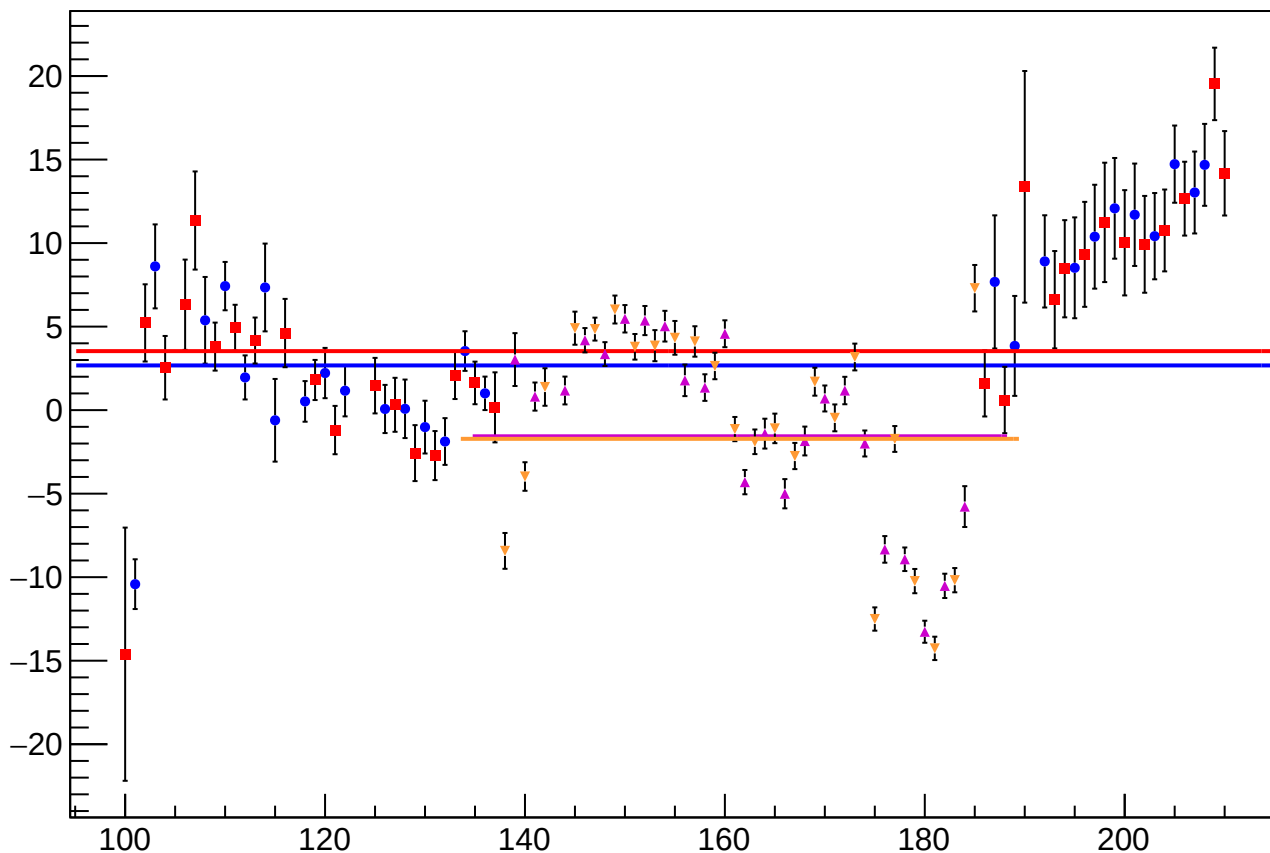
Left In: -47.835 ± 0.194 χ^2/NDF : 2557.6/22

+ sign -52.858 ± 0.159 χ^2/NDF : 8148.2/50

All: -54.320 ± 0.112 χ^2/NDF : 19080.1/104

- sign -55.725 ± 0.156 χ^2/NDF : 10766.9/53

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 2.676 ± 0.343 χ^2/NDF : 242.1/26

Left Out: -1.718 ± 0.168 χ^2/NDF : 1406.1/23

Right Out: 3.533 ± 0.343 χ^2/NDF : 195.9/30

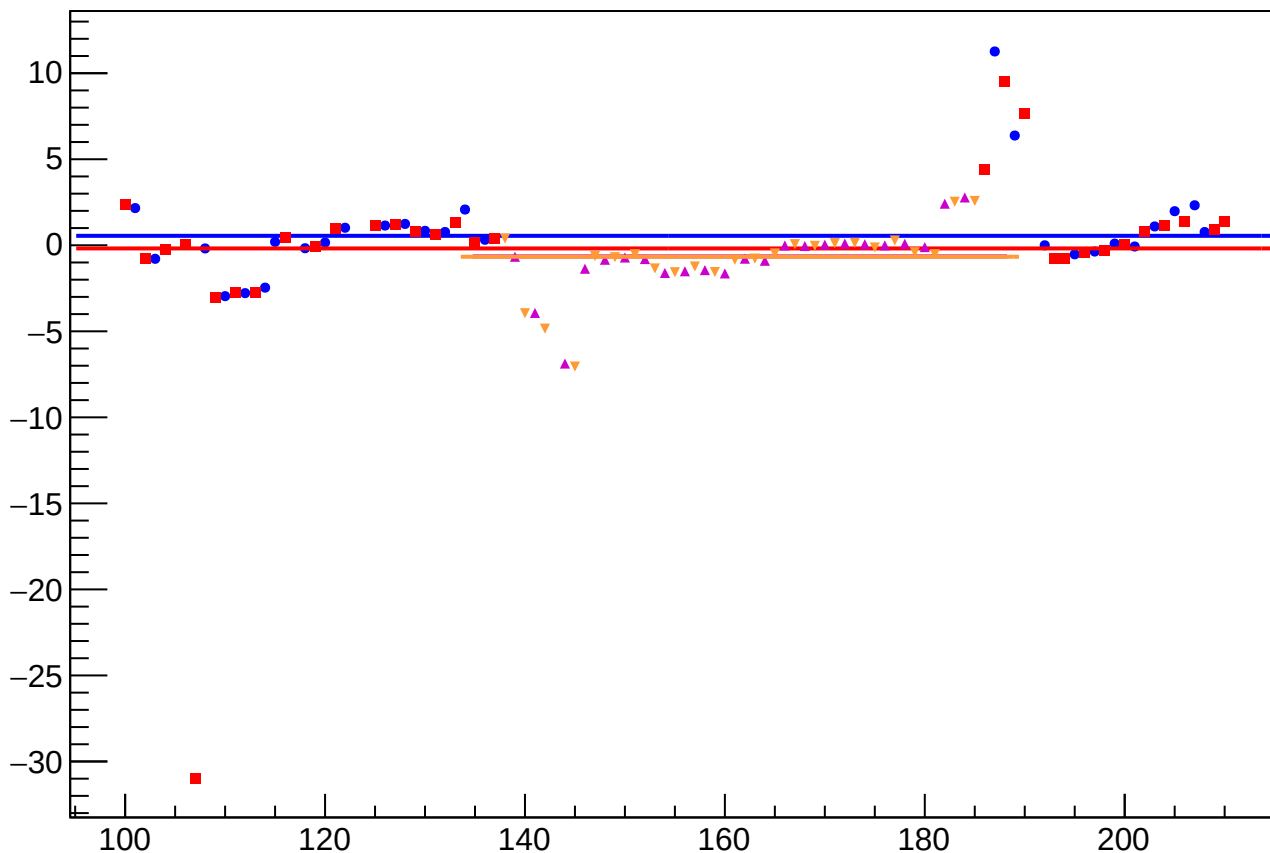
Left In: -1.567 ± 0.171 χ^2/NDF : 1117.7/22

+ sign -0.870 ± 0.151 χ^2/NDF : 1780.5/50

All: -0.715 ± 0.107 χ^2/NDF : 3273.2/104

- sign -0.556 ± 0.153 χ^2/NDF : 1490.6/53

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.550 ± 0.017 $\chi^2/\text{NDF}: 10285.8/26$

Left Out: -0.666 ± 0.008 $\chi^2/\text{NDF}: 55276.7/23$

Right Out: -0.184 ± 0.017 $\chi^2/\text{NDF}: 61047.9/30$

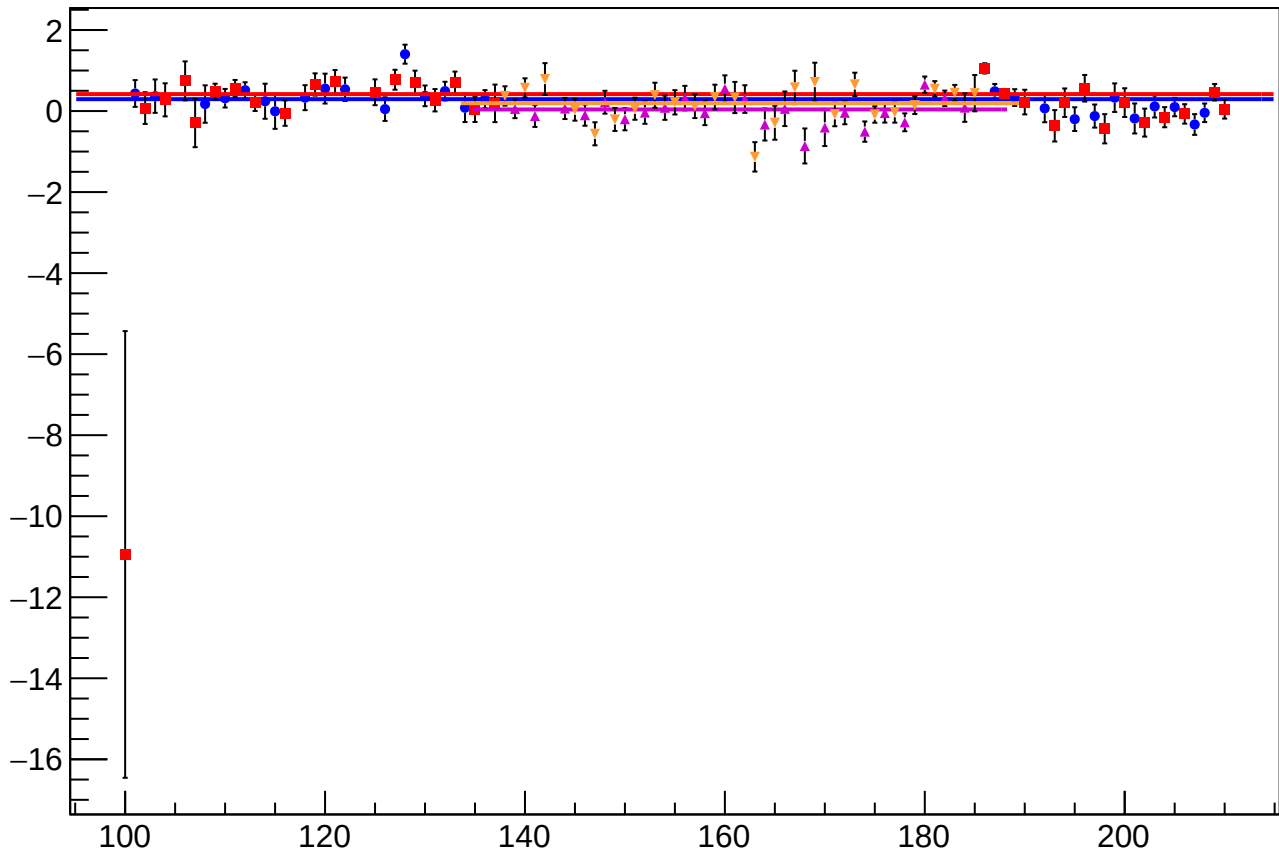
Left In: -0.646 ± 0.008 $\chi^2/\text{NDF}: 45569.5/22$

+ sign -0.473 ± 0.007 $\chi^2/\text{NDF}: 69717.5/50$

All: -0.522 ± 0.005 $\chi^2/\text{NDF}: 177034.8/104$

- sign -0.573 ± 0.007 $\chi^2/\text{NDF}: 107212.5/53$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.293 ± 0.052 χ^2/NDF : 45.2/26

Left Out: 0.194 ± 0.057 χ^2/NDF : 44.2/23

Right Out: 0.418 ± 0.045 χ^2/NDF : 71.2/30

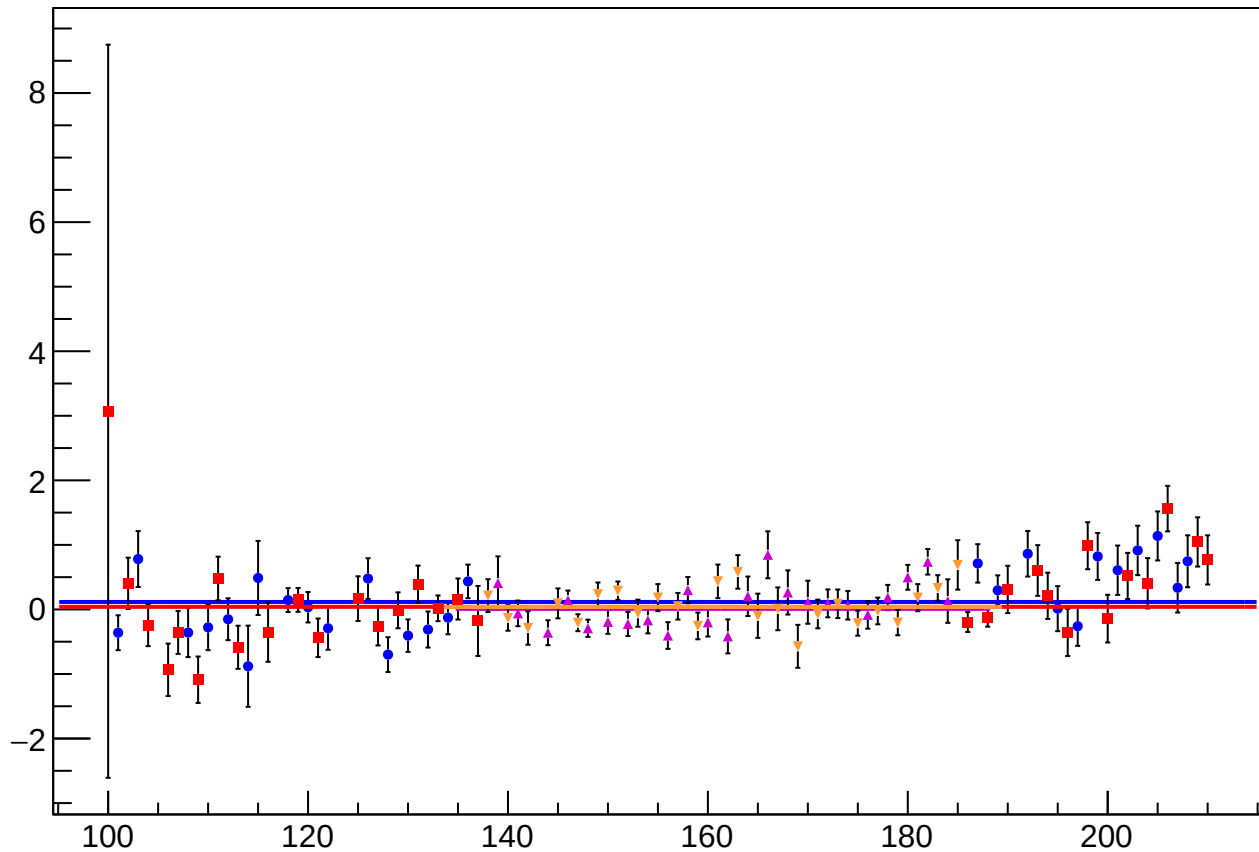
Left In: 0.039 ± 0.058 χ^2/NDF : 30.5/22

+ sign 0.247 ± 0.038 χ^2/NDF : 91.0/50

All: 0.262 ± 0.026 χ^2/NDF : 219.9/104

- sign 0.275 ± 0.035 χ^2/NDF : 128.6/53

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.116 ± 0.059 χ^2/NDF : 63.6/26

Left Out: 0.038 ± 0.043 χ^2/NDF : 32.8/23

Right Out: 0.040 ± 0.053 χ^2/NDF : 77.1/30

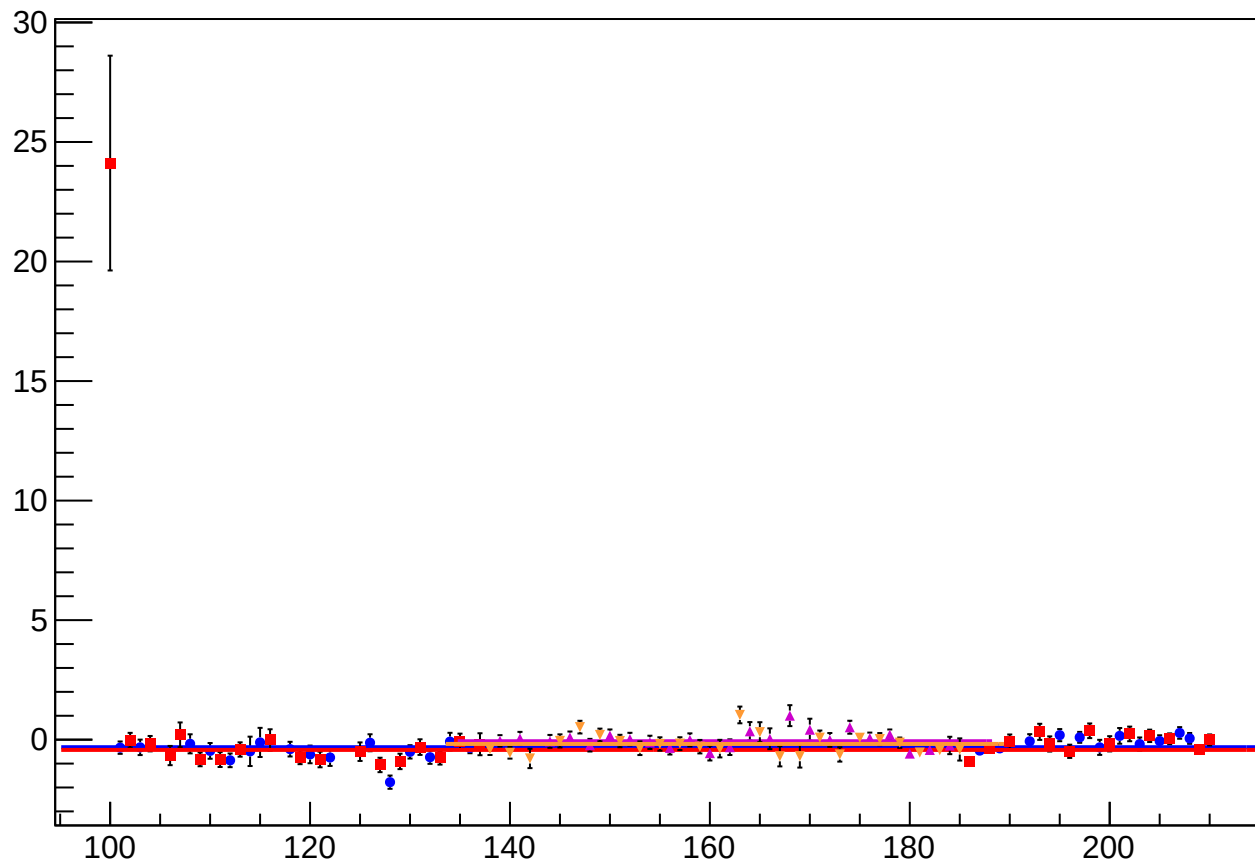
Left In: 0.008 ± 0.044 χ^2/NDF : 51.4/22

+ sign 0.065 ± 0.035 χ^2/NDF : 97.5/50

All: 0.043 ± 0.024 χ^2/NDF : 227.0/104

- sign 0.021 ± 0.034 χ^2/NDF : 128.7/53

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.315 ± 0.052 χ^2/NDF : 58.6/26

Left Out: -0.178 ± 0.056 χ^2/NDF : 42.1/23

Right Out: -0.428 ± 0.043 χ^2/NDF : 104.2/30

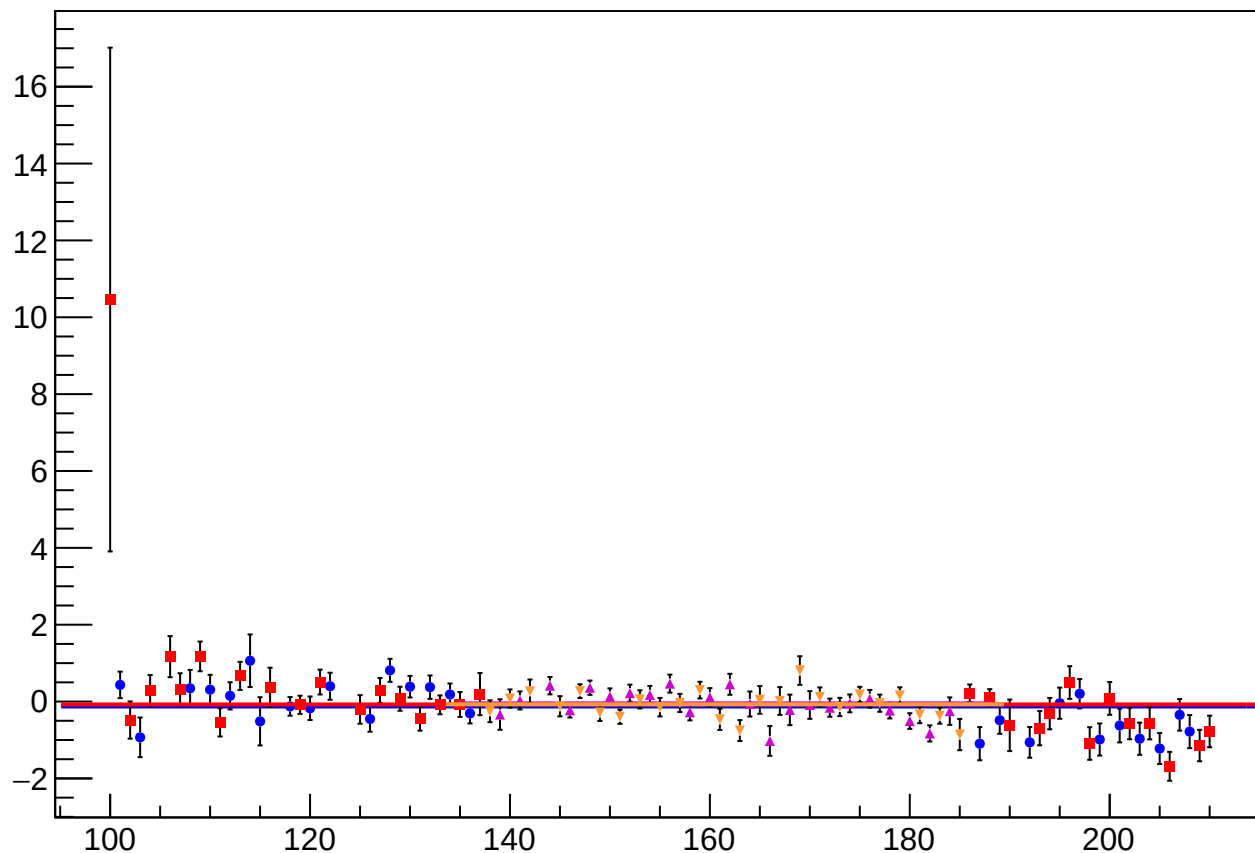
Left In: -0.066 ± 0.057 χ^2/NDF : 31.4/22

+ sign -0.252 ± 0.038 χ^2/NDF : 104.0/50

All: -0.277 ± 0.026 χ^2/NDF : 266.2/104

- sign -0.297 ± 0.034 χ^2/NDF : 161.5/53

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.128 ± 0.069 χ^2/NDF : 64.0/26

Left Out: -0.072 ± 0.049 χ^2/NDF : 37.7/23

Right Out: -0.075 ± 0.065 χ^2/NDF : 77.6/30

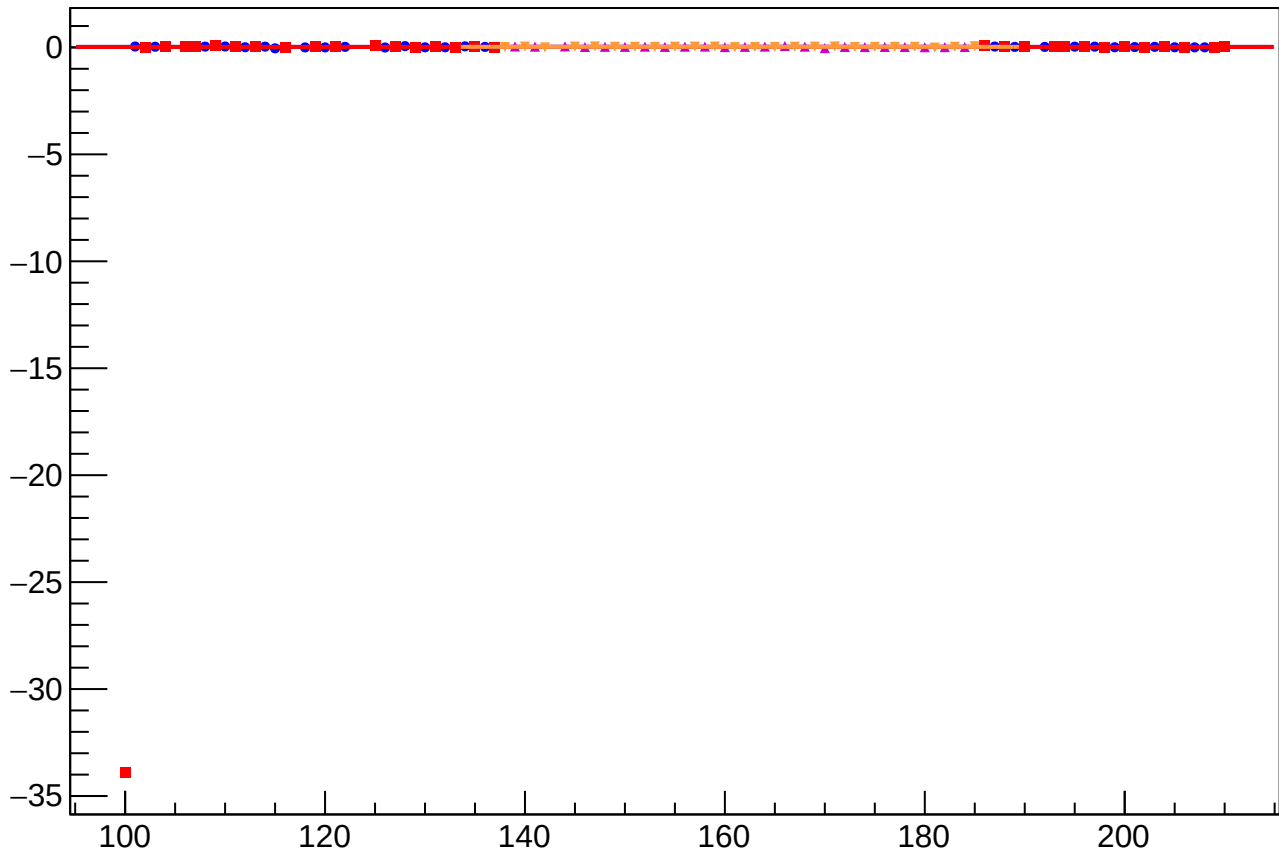
Left In: -0.047 ± 0.050 χ^2/NDF : 50.5/22

+ sign -0.090 ± 0.040 χ^2/NDF : 102.1/50

All: -0.074 ± 0.028 χ^2/NDF : 230.6/104

- sign -0.058 ± 0.040 χ^2/NDF : 128.1/53

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.023 $\pm$ 0.003 χ^2/NDF : 23.7/26

Left Out: 0.026 $\pm$ 0.002 χ^2/NDF : 31.4/23

Right Out: 0.022 $\pm$ 0.003 χ^2/NDF : 22315.7/30

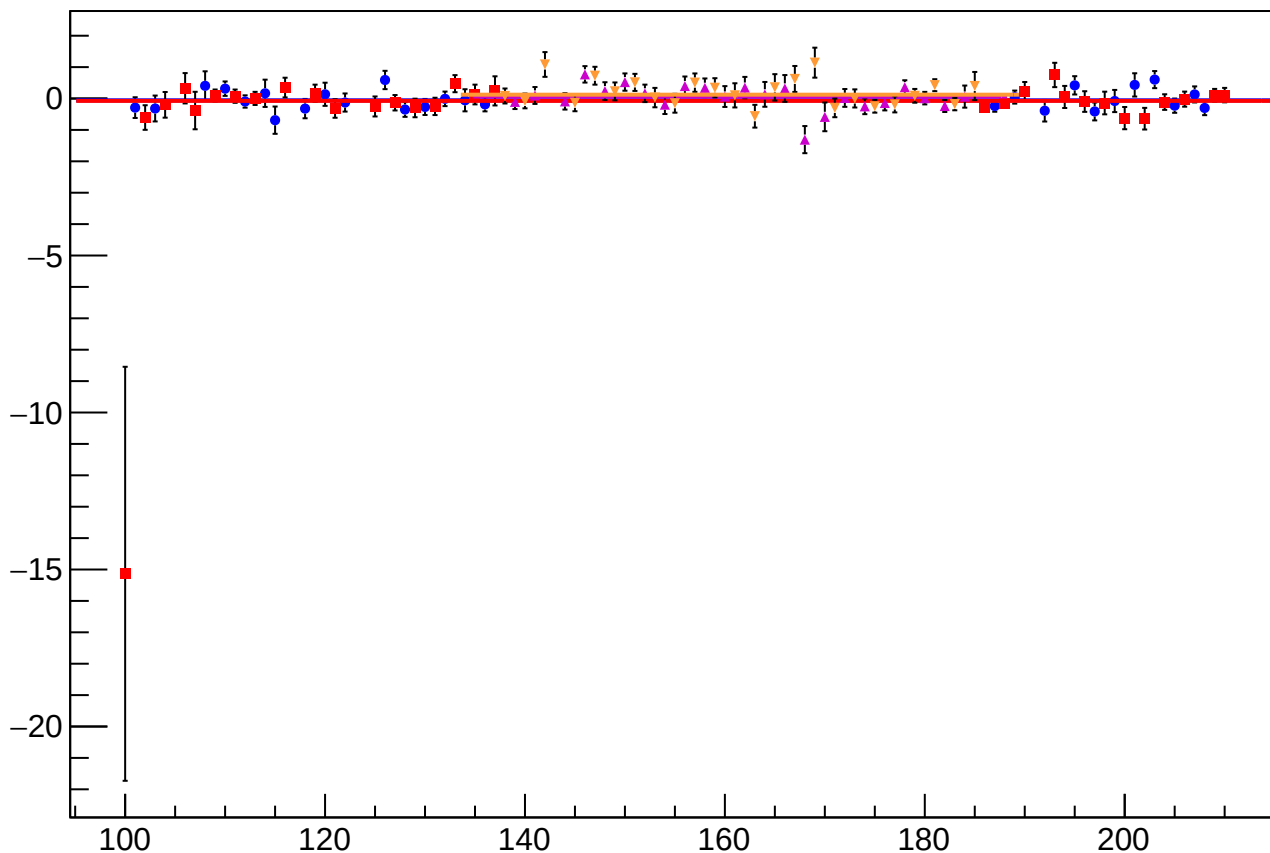
Left In: 0.026 $\pm$ 0.002 χ^2/NDF : 39.5/22

+ sign 0.025 $\pm$ 0.002 χ^2/NDF : 55.6/50

All: 0.025 $\pm$ 0.001 χ^2/NDF : 22412.0/104

- sign 0.025 $\pm$ 0.002 χ^2/NDF : 22356.4/53

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.057 ± 0.052 χ^2/NDF : 31.8/26

Left Out: 0.122 ± 0.057 χ^2/NDF : 39.6/23

Right Out: -0.075 ± 0.045 χ^2/NDF : 35.1/30

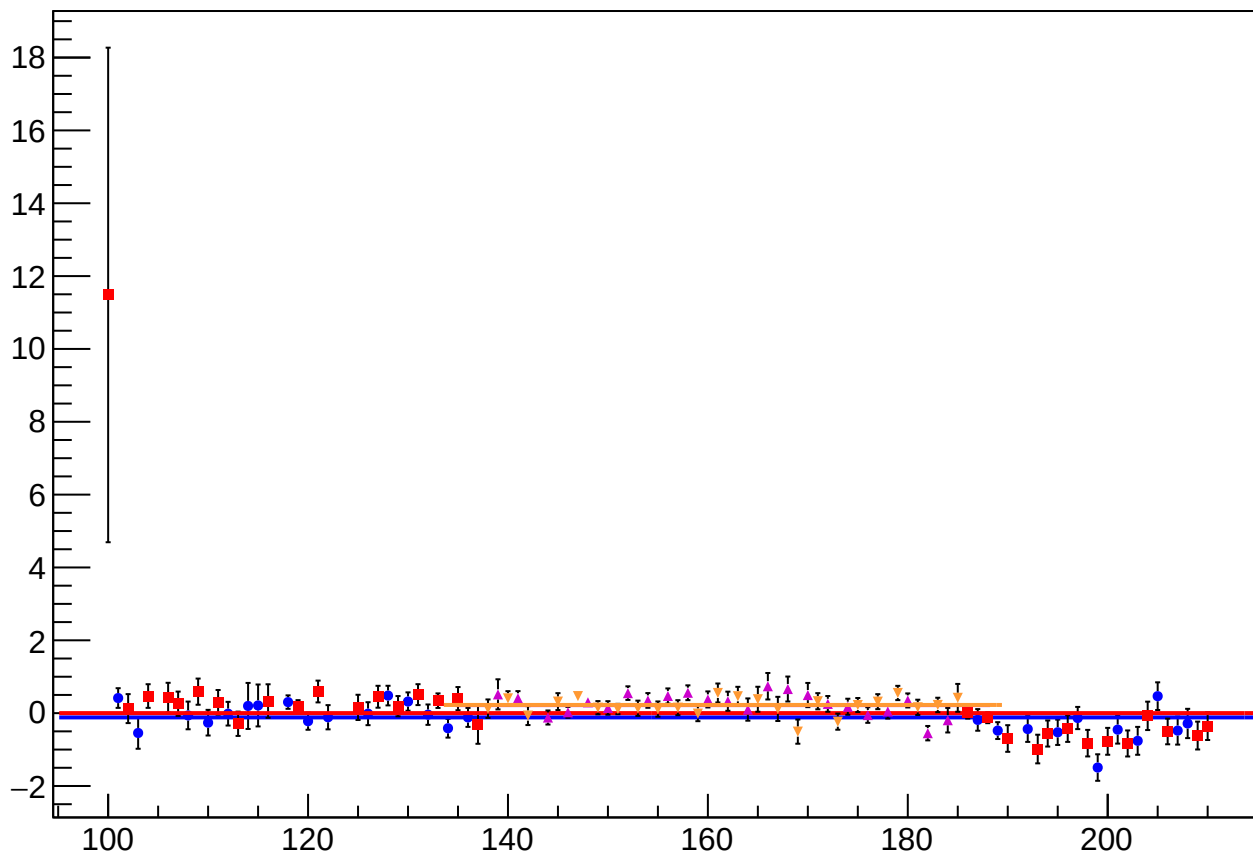
Left In: 0.063 ± 0.058 χ^2/NDF : 34.2/22

+ sign 0.025 ± 0.038 χ^2/NDF : 76.8/50

All: -0.001 ± 0.026 χ^2/NDF : 150.6/104

- sign -0.023 ± 0.035 χ^2/NDF : 73.0/53

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.117 ± 0.059 χ^2/NDF : 46.6/26

Left Out: 0.225 ± 0.043 χ^2/NDF : 24.1/23

Right Out: 0.001 ± 0.053 χ^2/NDF : 62.0/30

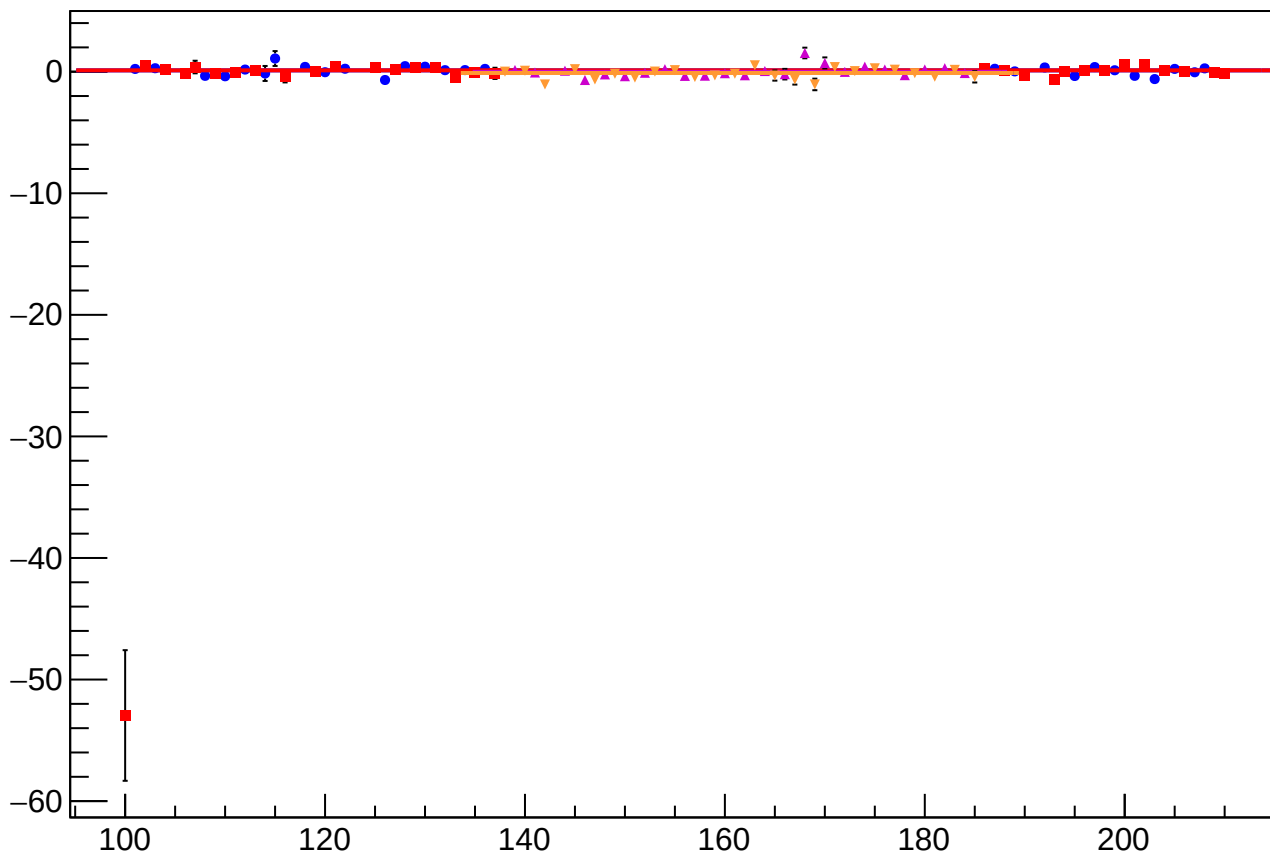
Left In: 0.221 ± 0.044 χ^2/NDF : 39.3/22

+ sign 0.106 ± 0.035 χ^2/NDF : 92.5/50

All: 0.119 ± 0.024 χ^2/NDF : 204.2/104

- sign 0.132 ± 0.034 χ^2/NDF : 111.5/53

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.110 $\pm$ 0.052 χ^2 /NDF: 32.1/26

Left Out: -0.105 $\pm$ 0.056 χ^2 /NDF: 37.6/23

Right Out: 0.113 $\pm$ 0.043 χ^2 /NDF: 124.4/30

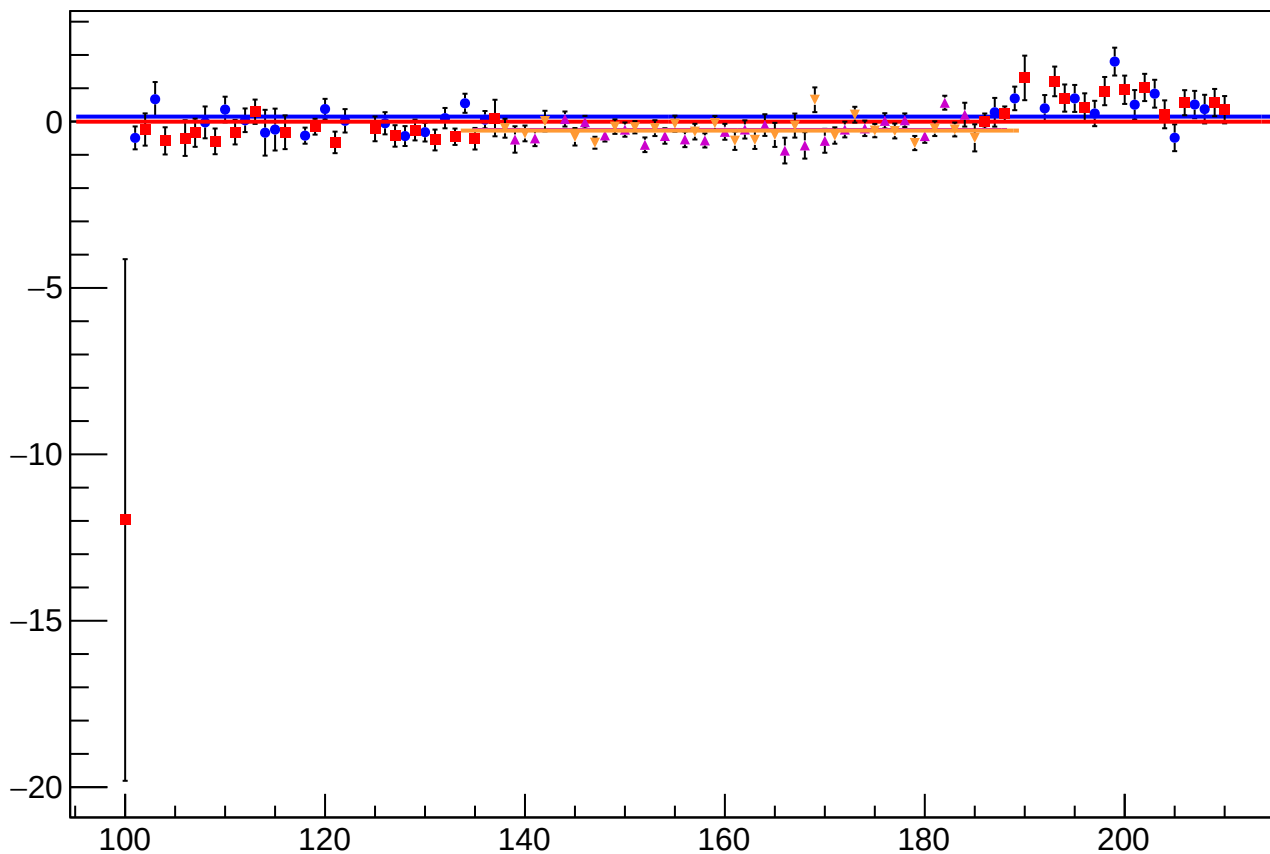
Left In: -0.009 $\pm$ 0.057 χ^2 /NDF: 38.0/22

+ sign 0.010 $\pm$ 0.038 χ^2 /NDF: 77.5/50

All: 0.043 $\pm$ 0.026 χ^2 /NDF: 244.2/104

- sign 0.069 $\pm$ 0.034 χ^2 /NDF: 165.4/53

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.148 ± 0.069 χ^2/NDF : 48.5/26

Left Out: -0.272 ± 0.049 χ^2/NDF : 24.8/23

Right Out: -0.004 ± 0.065 χ^2/NDF : 63.8/30

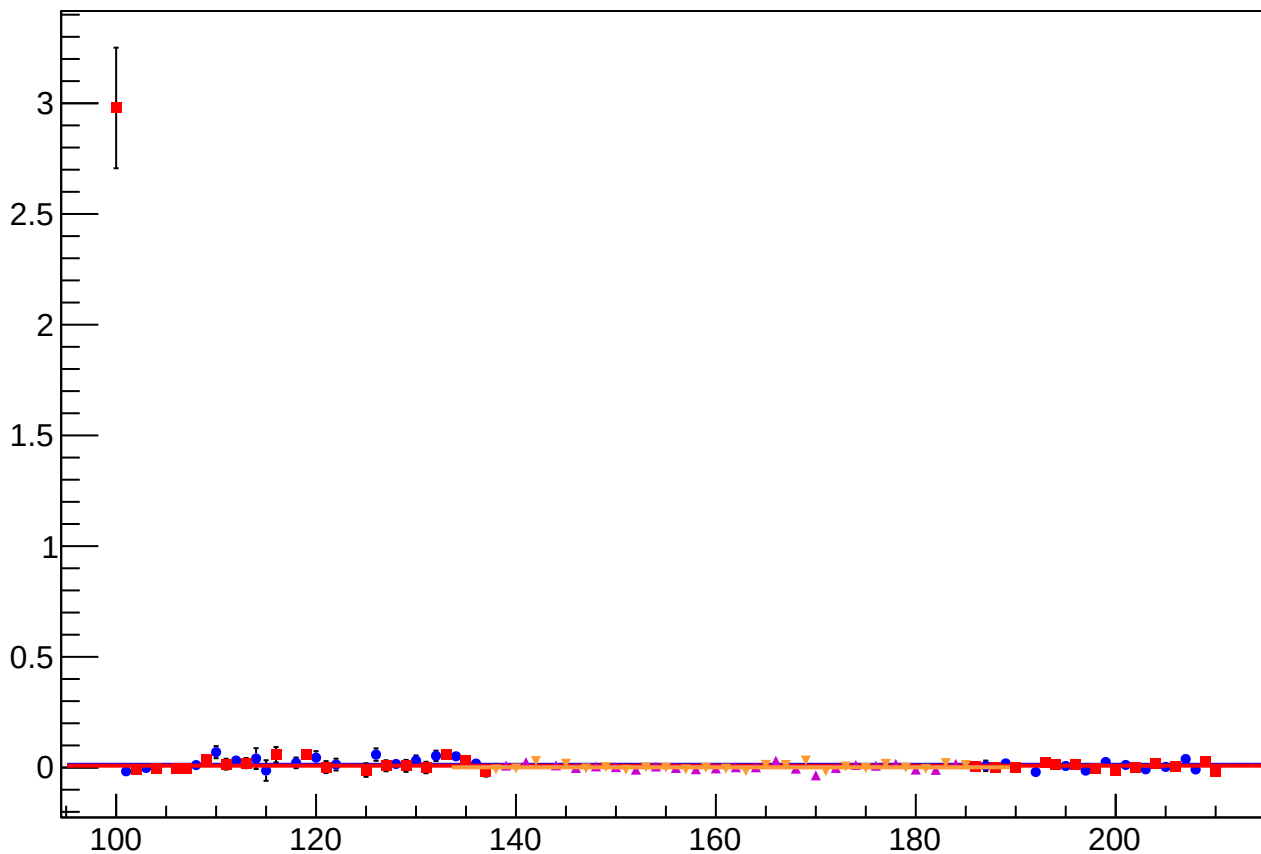
Left In: -0.254 ± 0.050 χ^2/NDF : 40.6/22

+ sign -0.131 ± 0.040 χ^2/NDF : 97.7/50

All: -0.146 ± 0.028 χ^2/NDF : 211.7/104

- sign -0.160 ± 0.040 χ^2/NDF : 113.7/53

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.013 $\pm$ 0.003 χ^2 /NDF: 44.3/26

Left Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 26.7/23

Right Out: 0.009 $\pm$ 0.003 χ^2 /NDF: 152.3/30

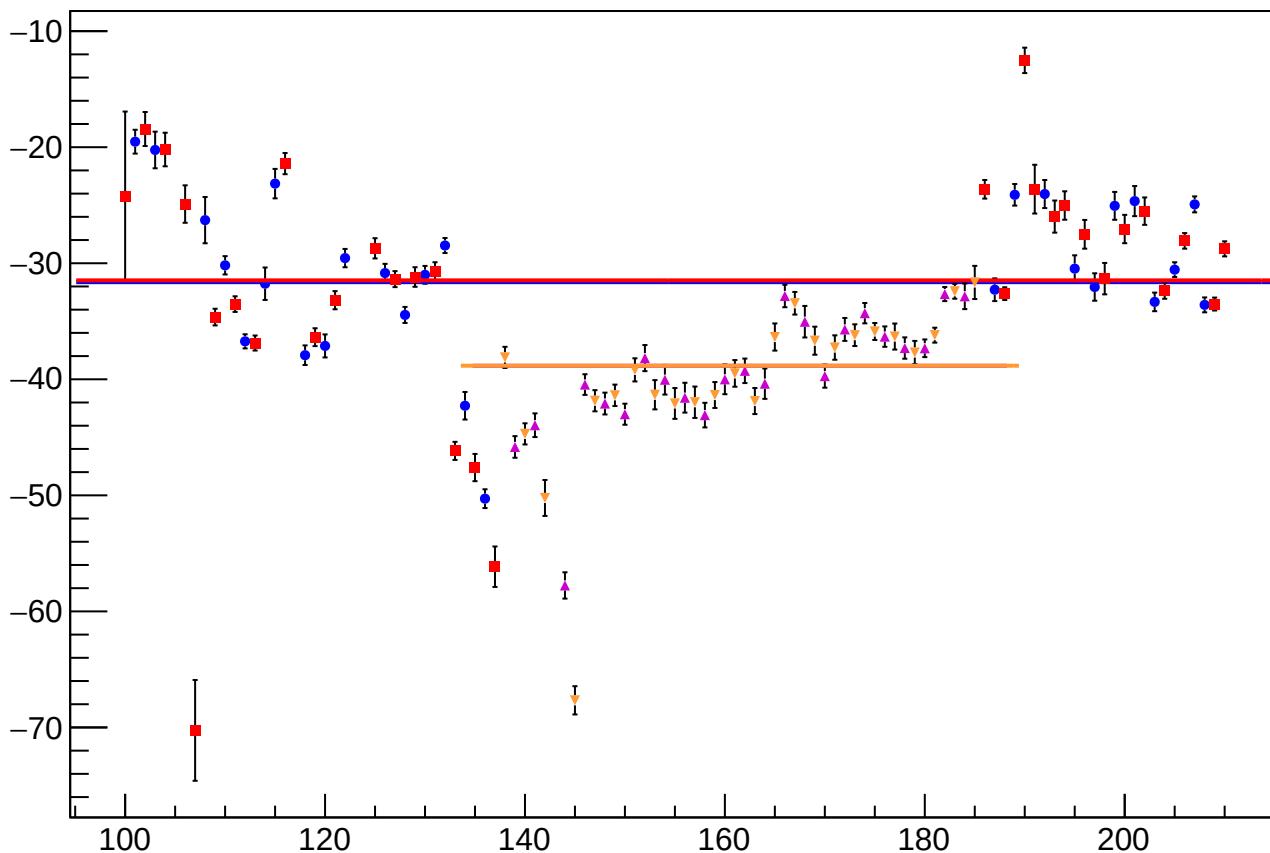
Left In: 0.002 $\pm$ 0.002 χ^2 /NDF: 24.6/22

+ sign 0.005 $\pm$ 0.002 χ^2 /NDF: 79.4/50

All: 0.005 $\pm$ 0.001 χ^2 /NDF: 259.1/104

- sign 0.004 $\pm$ 0.002 χ^2 /NDF: 179.7/53

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.629 ± 0.168 $\chi^2/\text{NDF}: 1339.6/26$

Left Out: -38.829 ± 0.202 $\chi^2/\text{NDF}: 917.0/23$

Right Out: -31.475 ± 0.156 $\chi^2/\text{NDF}: 1823.1/31$

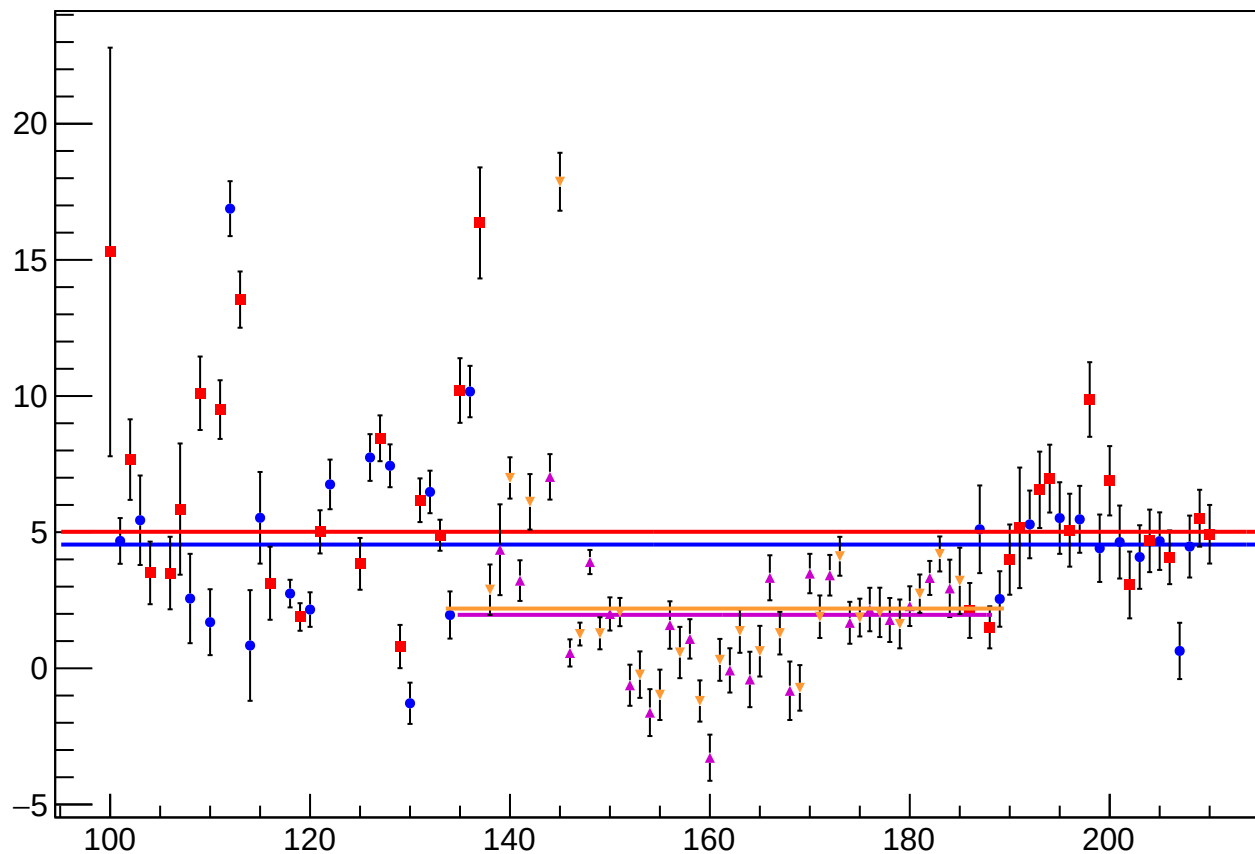
Left In: -38.837 ± 0.203 $\chi^2/\text{NDF}: 653.4/22$

+ sign -34.581 ± 0.129 $\chi^2/\text{NDF}: 3005.8/50$

All: -34.382 ± 0.089 $\chi^2/\text{NDF}: 6311.9/105$

- sign -34.200 ± 0.124 $\chi^2/\text{NDF}: 3301.6/54$

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.545 $\pm$ 0.187 χ^2/NDF : 350.3/26

Left Out: 2.195 $\pm$ 0.152 χ^2/NDF :365.1/23

Right Out: 5.014 $\pm$ 0.181 χ^2/NDF : 298.3/31

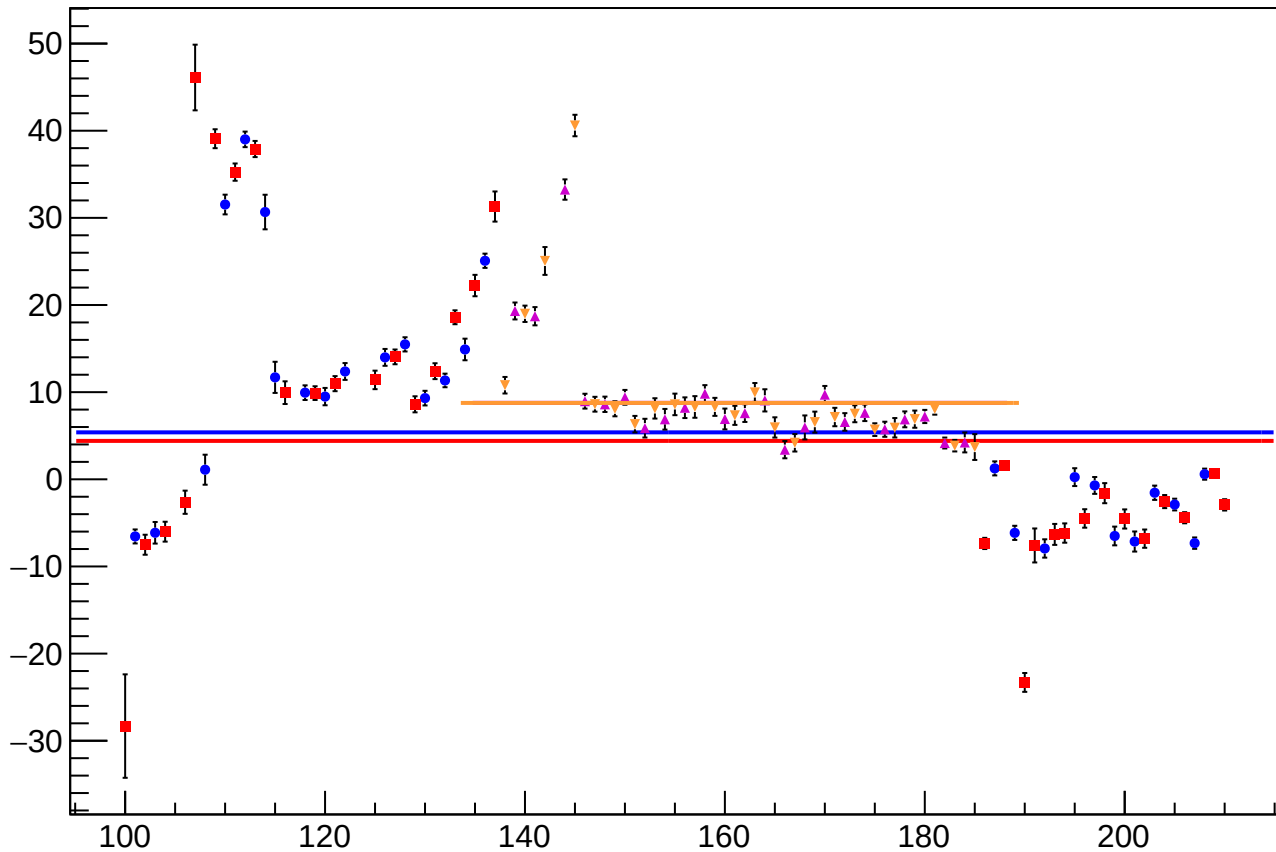
Left In: 1.964 $\pm$ 0.155 χ^2/NDF :173.2/22

+ sign 3.131 $\pm$ 0.118 χ^2/NDF : 810.4/50

All: 3.193 $\pm$ 0.083 χ^2/NDF : 1446.7/105

- sign 3.254 $\pm$ 0.118 χ^2/NDF : 635.8/54

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 5.388 ± 0.175 χ^2/NDF : 4846.6/26

Left Out: 8.766 ± 0.200 χ^2/NDF : 1035.4/23

Right Out: 4.408 ± 0.160 χ^2/NDF : 6798.8/31

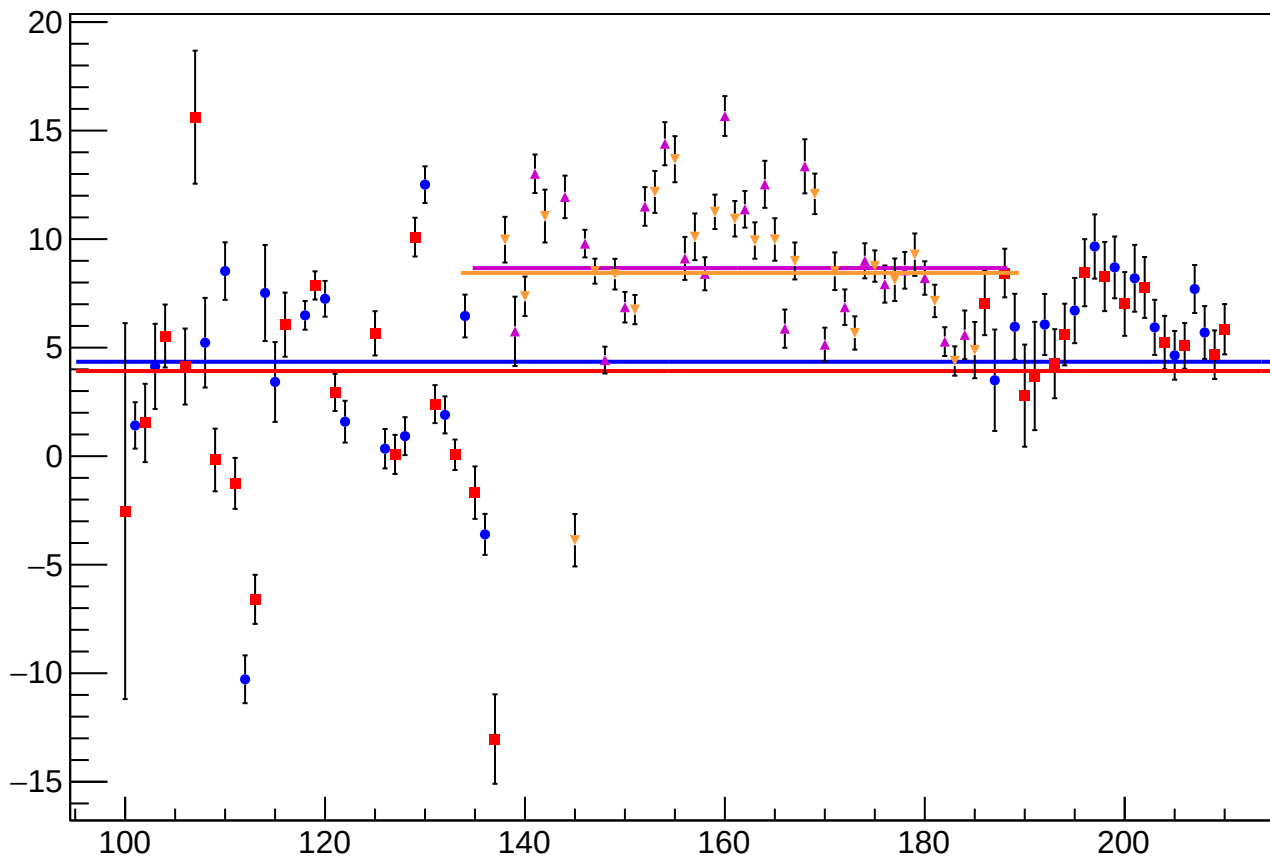
Left In: 8.773 ± 0.201 χ^2/NDF : 795.1/22

+ sign 6.852 ± 0.132 χ^2/NDF : 6042.8/50

All: 6.452 ± 0.091 χ^2/NDF : 13942.4/105

- sign 6.093 ± 0.125 χ^2/NDF : 7882.2/54

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.349 ± 0.216 $\chi^2/\text{NDF}: 485.1/26$

Left Out: 8.442 ± 0.174 $\chi^2/\text{NDF}: 264.2/23$

Right Out: 3.922 ± 0.211 $\chi^2/\text{NDF}: 419.7/31$

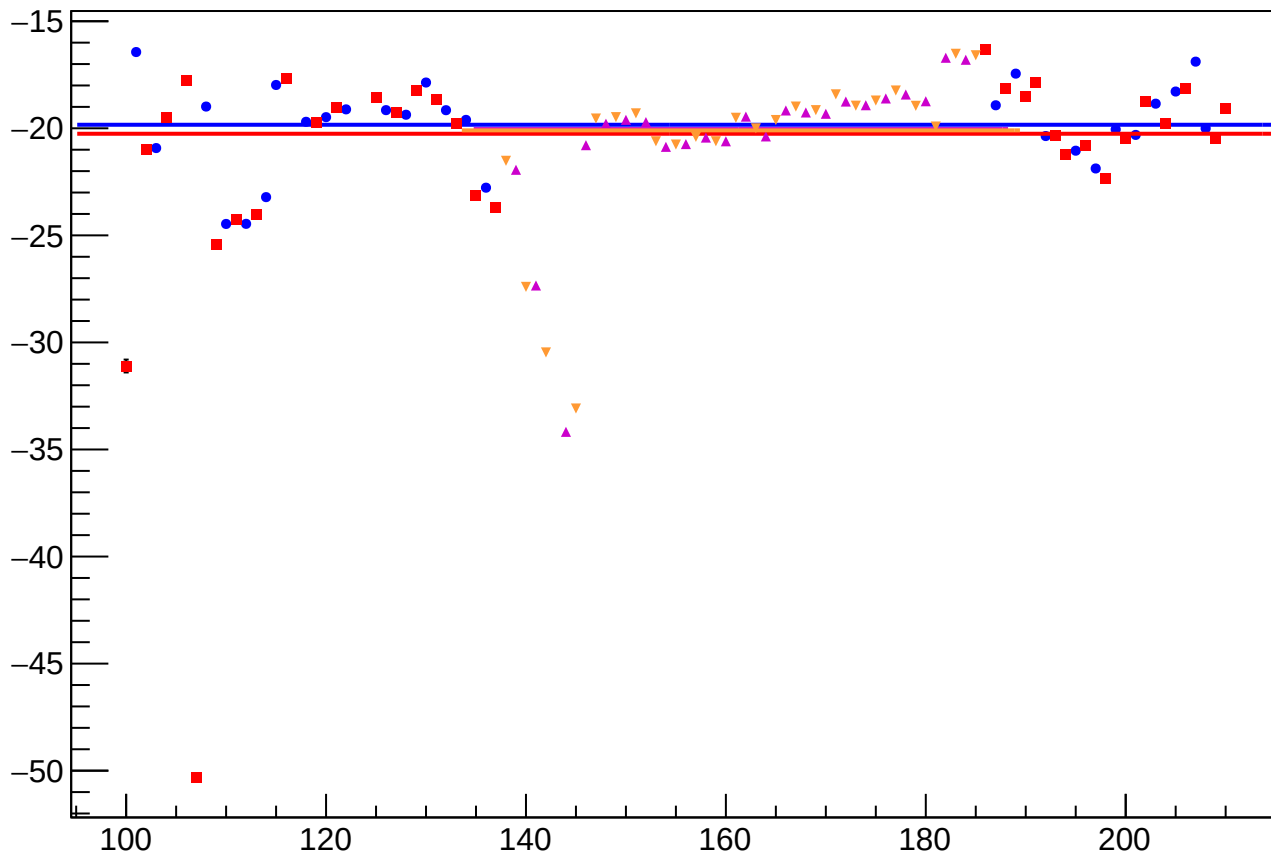
Left In: 8.666 ± 0.176 $\chi^2/\text{NDF}: 304.8/22$

+ sign 6.839 ± 0.135 $\chi^2/\text{NDF}: 967.2/50$

All: 6.781 ± 0.096 $\chi^2/\text{NDF}: 1990.9/105$

- sign 6.723 ± 0.135 $\chi^2/\text{NDF}: 1023.3/54$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.835 ± 0.011 χ^2/NDF : 31006.7/26

Left Out: -20.096 ± 0.008 χ^2/NDF : 159293.0/23

Right Out: -20.255 ± 0.010 χ^2/NDF : 72032.9/31

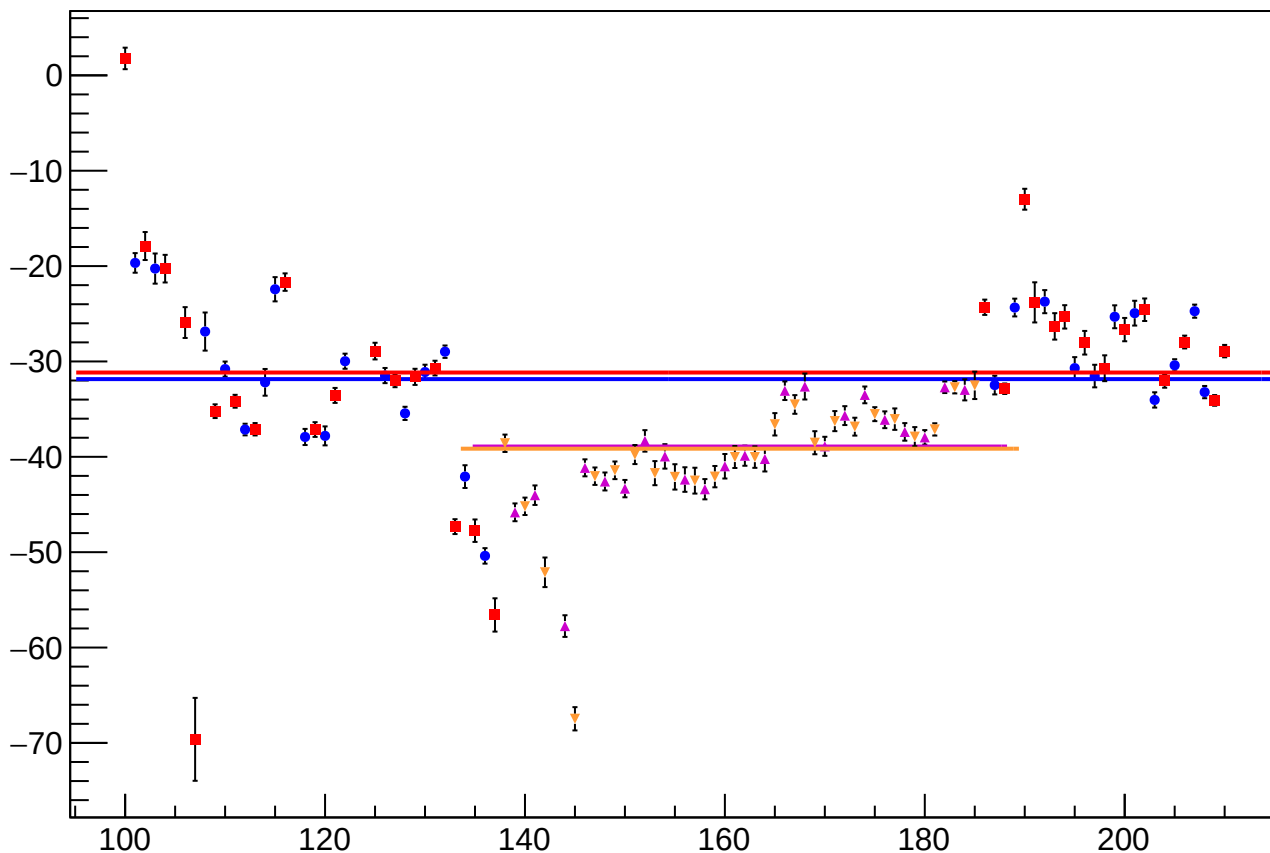
Left In: -20.037 ± 0.008 χ^2/NDF : 132291.6/22

+ sign -20.005 ± 0.006 χ^2/NDF : 190680.0/50

All: -20.062 ± 0.004 χ^2/NDF : 395440.3/105

- sign -20.117 ± 0.006 χ^2/NDF : 204602.6/54

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.852 ± 0.169 $\chi^2/\text{NDF}: 1360.6/26$

Left Out: -39.148 ± 0.202 $\chi^2/\text{NDF}: 898.8/23$

Right Out: -31.161 ± 0.155 $\chi^2/\text{NDF}: 2758.8/31$

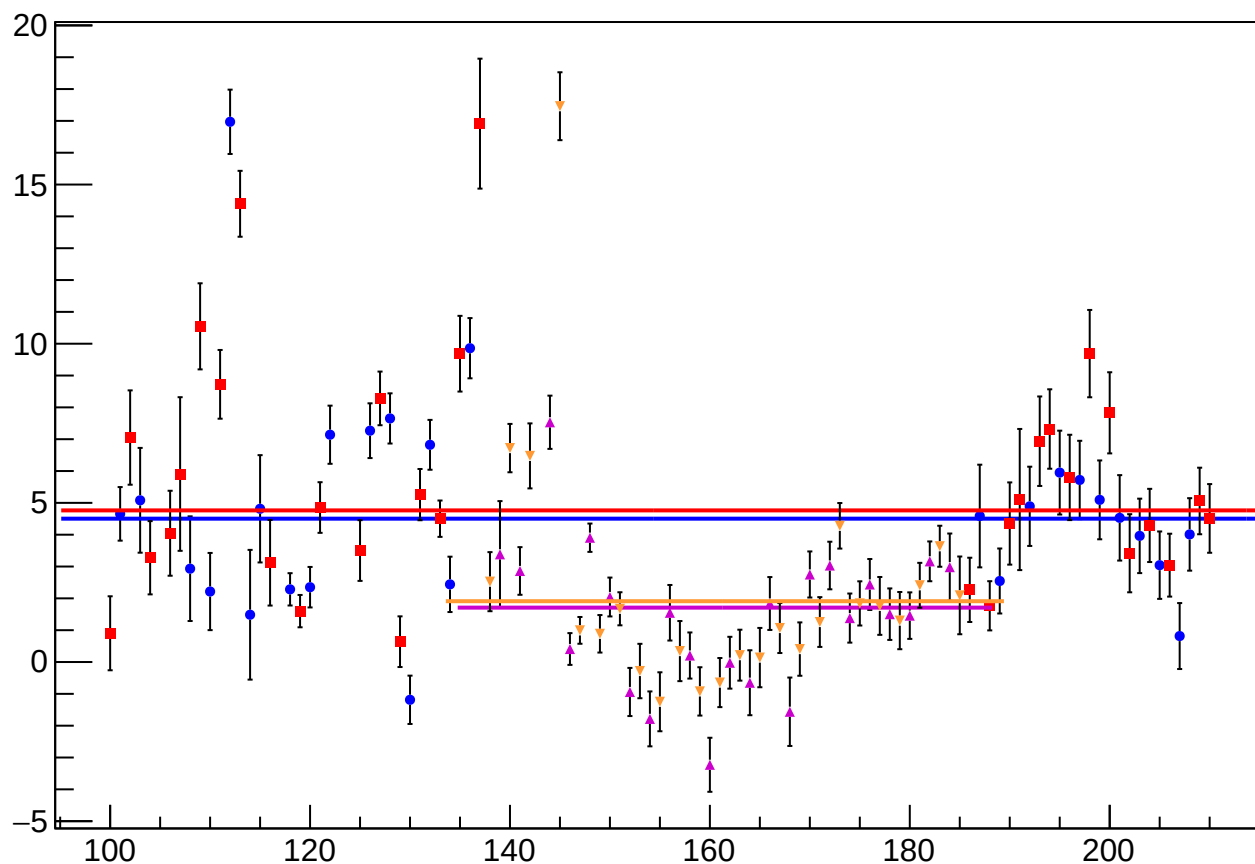
Left In: -38.921 ± 0.204 $\chi^2/\text{NDF}: 684.4/22$

+ sign -34.843 ± 0.130 $\chi^2/\text{NDF}: 3025.8/50$

All: -34.400 ± 0.089 $\chi^2/\text{NDF}: 7410.9/105$

- sign -34.000 ± 0.123 $\chi^2/\text{NDF}: 4362.9/54$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.503 ± 0.187 $\chi^2/\text{NDF}: 348.1/26$

Left Out: 1.911 ± 0.152 $\chi^2/\text{NDF}: 359.3/23$

Right Out: 4.764 ± 0.179 $\chi^2/\text{NDF}: 325.1/31$

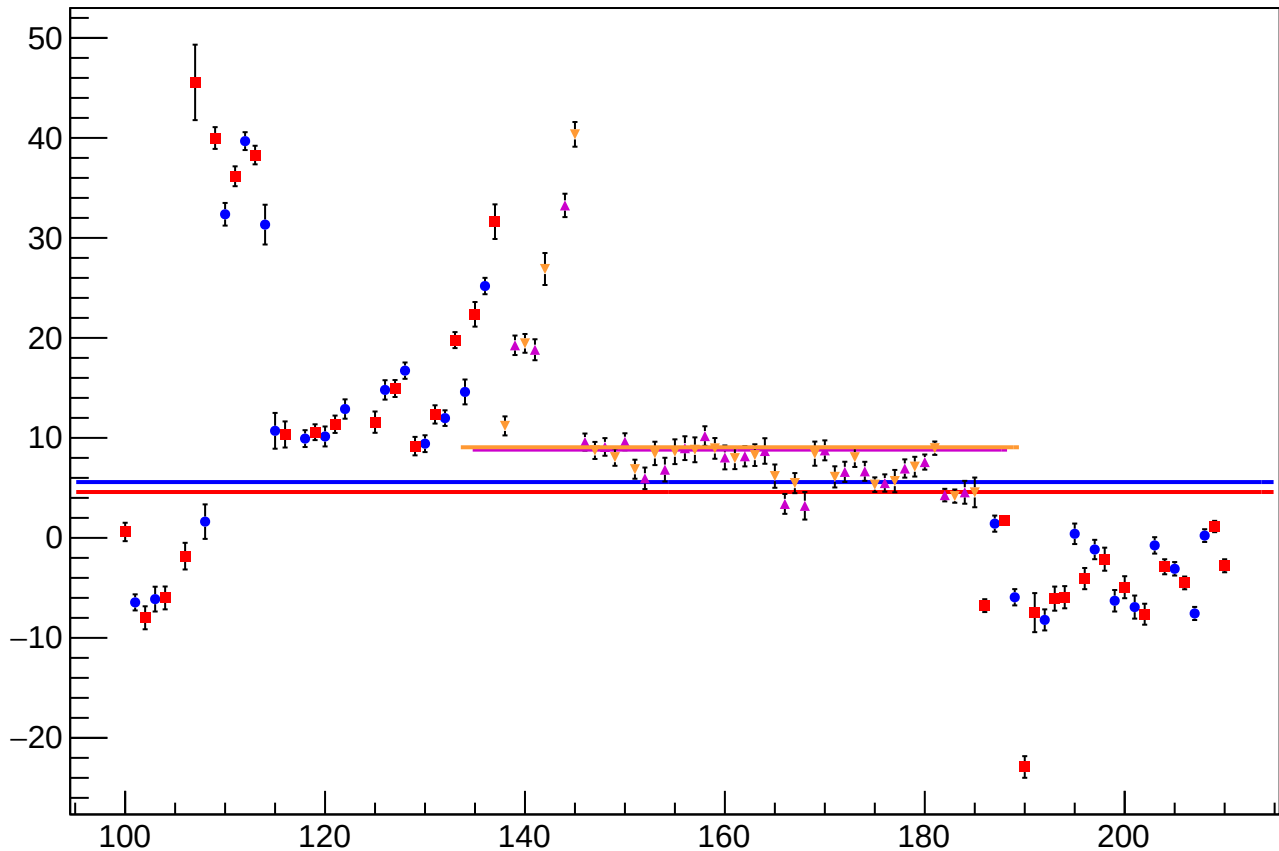
Left In: 1.709 ± 0.155 $\chi^2/\text{NDF}: 182.6/22$

+ sign 2.943 ± 0.118 $\chi^2/\text{NDF}: 822.6/50$

All: 2.981 ± 0.083 $\chi^2/\text{NDF}: 1497.0/105$

- sign 3.018 ± 0.117 $\chi^2/\text{NDF}: 674.2/54$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 5.582 ± 0.176 χ^2/NDF : 5011.4/26

Left Out: 9.061 ± 0.201 χ^2/NDF : 1033.5/23

Right Out: 4.587 ± 0.158 χ^2/NDF : 6973.8/31

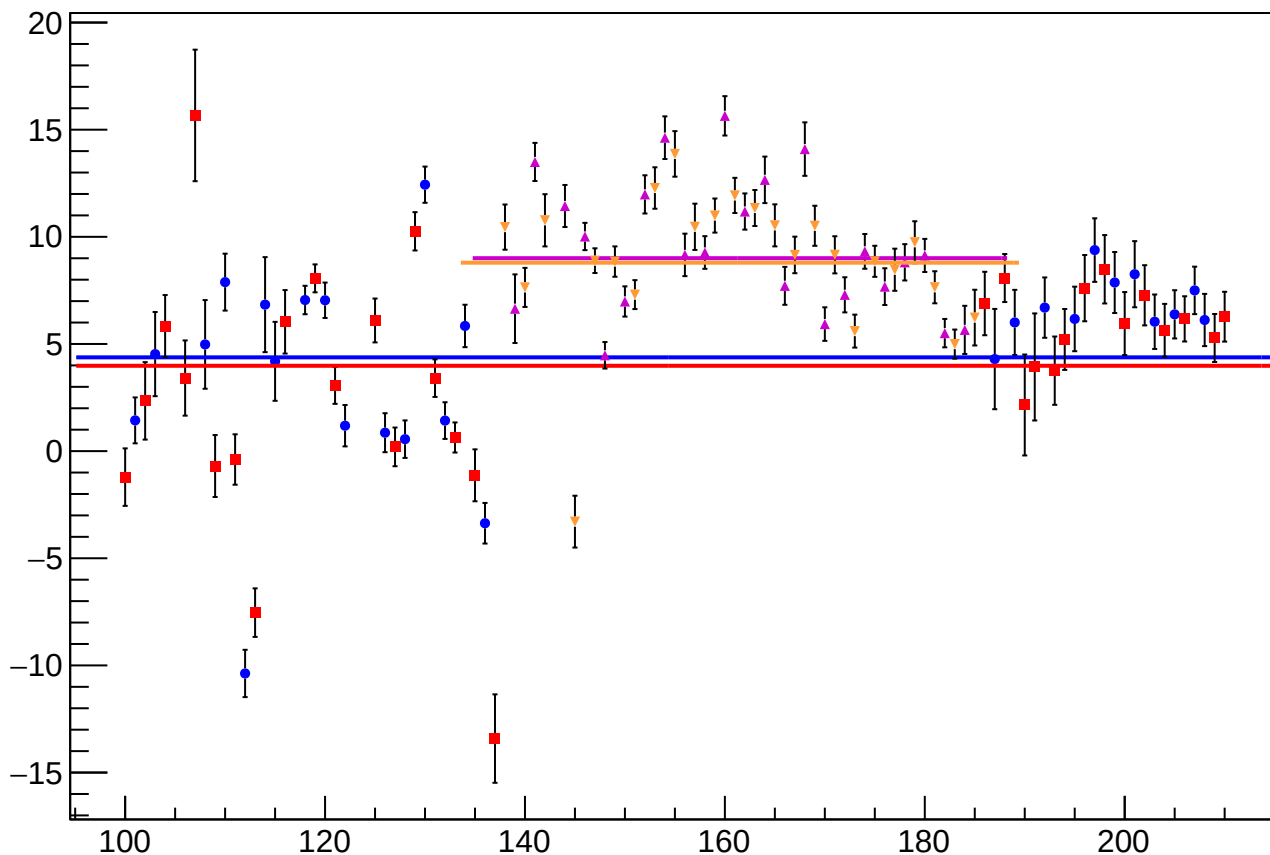
Left In: 8.826 ± 0.202 χ^2/NDF : 801.4/22

+ sign 7.090 ± 0.132 χ^2/NDF : 6214.9/50

All: 6.614 ± 0.091 χ^2/NDF : 14288.4/105

- sign 6.193 ± 0.124 χ^2/NDF : 8049.1/54

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.376 ± 0.217 χ^2/NDF : 481.7/26

Left Out: 8.793 ± 0.174 χ^2/NDF : 244.1/23

Right Out: 3.982 ± 0.209 χ^2/NDF : 435.7/31

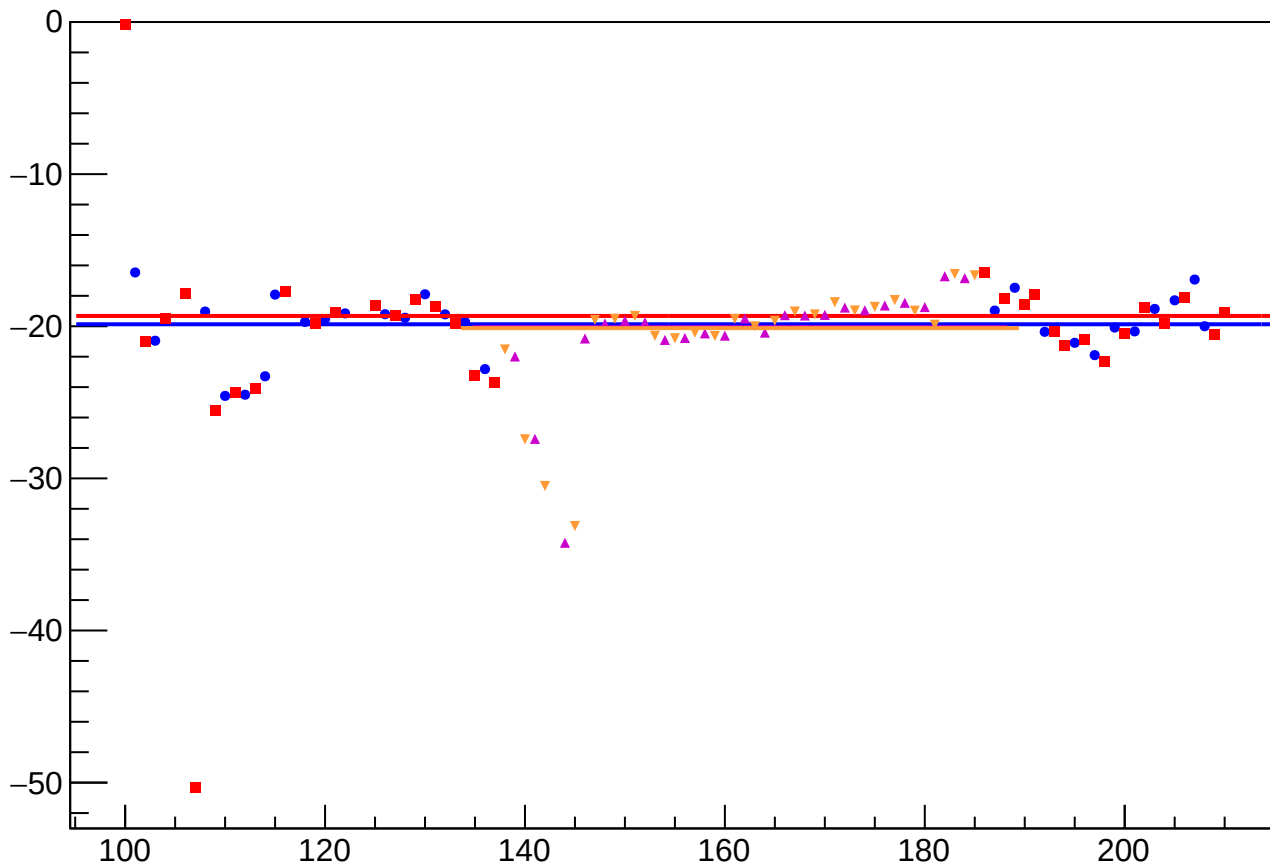
Left In: 9.004 ± 0.176 χ^2/NDF : 289.6/22

+ sign 7.063 ± 0.136 χ^2/NDF : 978.6/50

All: 6.990 ± 0.096 χ^2/NDF : 2042.6/105

- sign 6.918 ± 0.135 χ^2/NDF : 1063.4/54

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.869 ± 0.011 χ^2/NDF : 31018.6/26

Left Out: -20.123 ± 0.008 χ^2/NDF : 158578.7/23

Right Out: -19.321 ± 0.010 χ^2/NDF : 248092.1/31

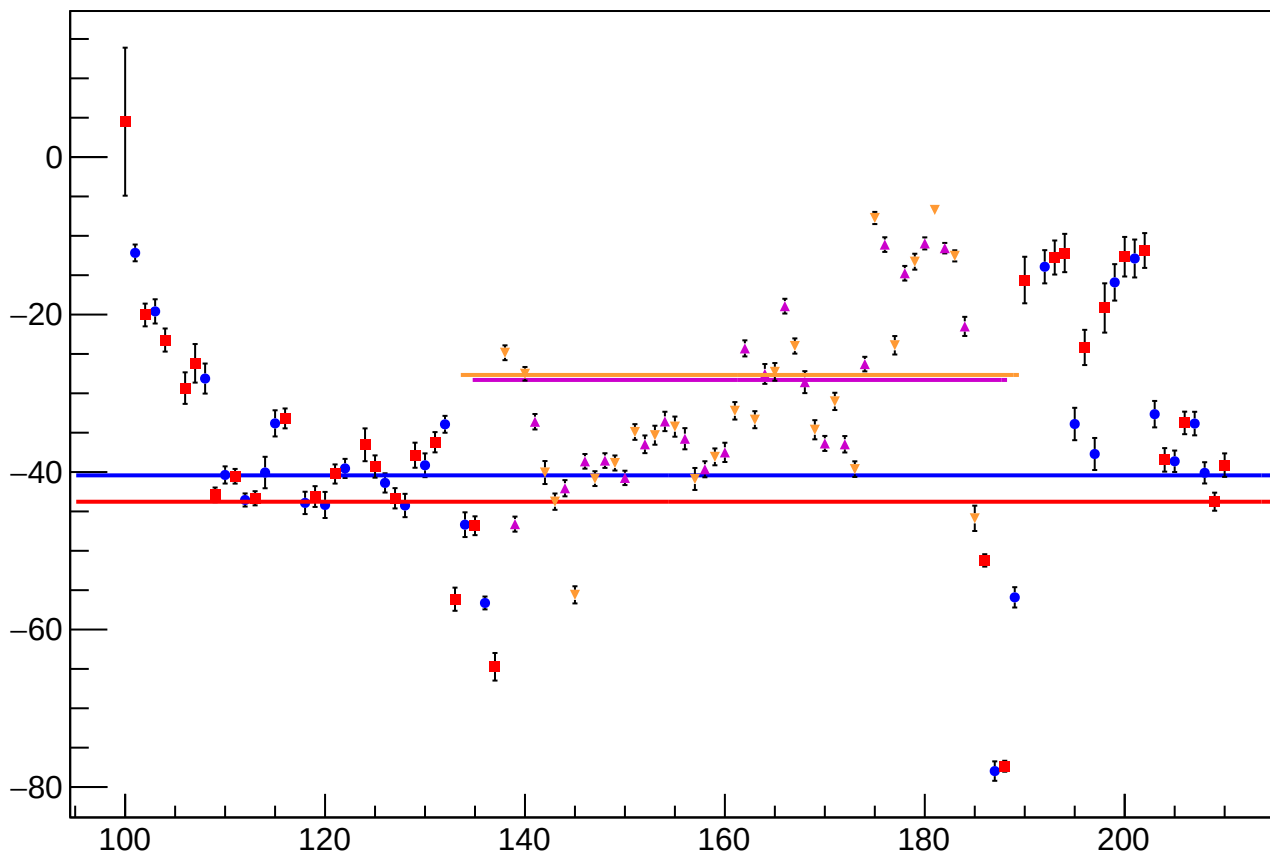
Left In: -20.063 ± 0.008 χ^2/NDF : 132690.0/22

+ sign -20.034 ± 0.006 χ^2/NDF : 189956.7/50

All: -19.905 ± 0.004 χ^2/NDF : 574855.1/105

- sign -19.783 ± 0.006 χ^2/NDF : 384105.9/54

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.420 ± 0.262 χ^2/NDF : 2950.1/26

Left Out: -27.668 ± 0.200 χ^2/NDF : 4396.9/24

Right Out: -43.769 ± 0.238 χ^2/NDF : 4435.3/31

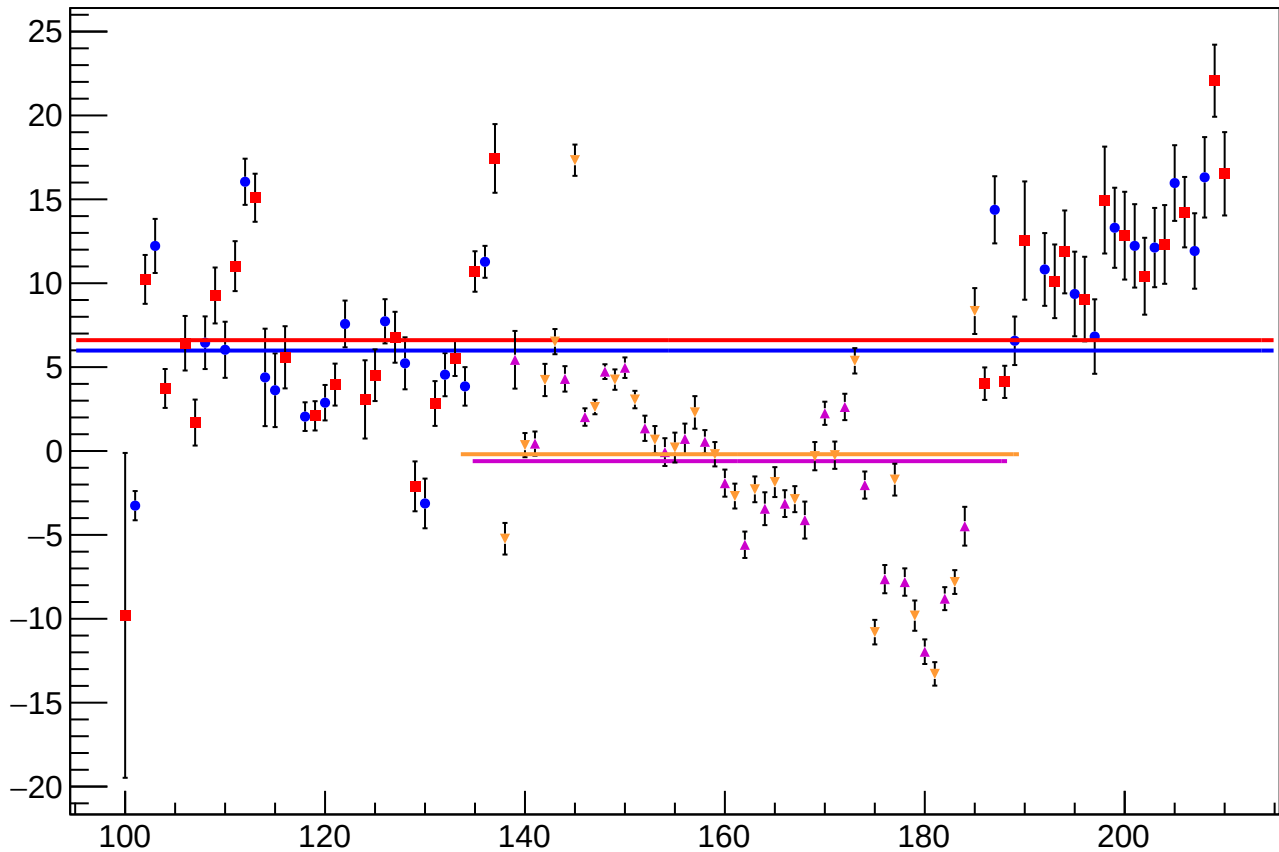
Left In: -28.303 ± 0.206 χ^2/NDF : 3273.4/22

+ sign -32.377 ± 0.159 χ^2/NDF : 8841.3/51

All: -33.669 ± 0.111 χ^2/NDF : 19091.0/106

- sign -34.906 ± 0.156 χ^2/NDF : 10120.8/54

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.987 $\pm$ 0.284 χ^2 /NDF: 381.4/26

Left Out: -0.192 $\pm$ 0.150 χ^2 /NDF:1545.3/24

Right Out: 6.606 $\pm$ 0.272 χ^2 /NDF: 319.9/31

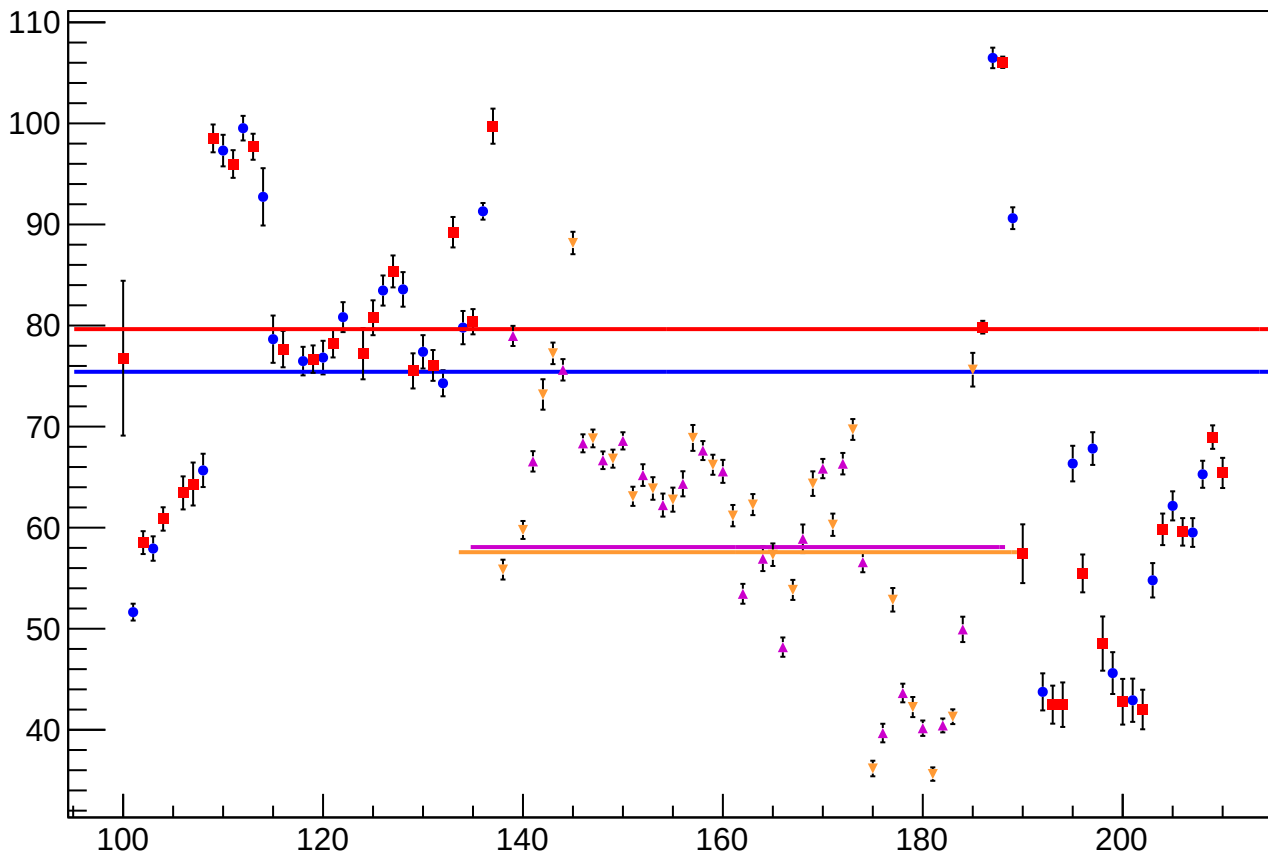
Left In: -0.605 $\pm$ 0.155 χ^2 /NDF:974.6/22

+ sign 1.158 $\pm$ 0.133 χ^2 /NDF: 2296.9/51

All: 1.162 $\pm$ 0.095 χ^2 /NDF: 4121.8/106

- sign 1.166 $\pm$ 0.135 χ^2 /NDF: 1824.9/54

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 75.423+/-0.267 χ^2/NDF : 4472.1/26

Left Out: 57.573+/-0.199 χ^2/NDF : 4685.5/24

Right Out: 79.645+/-0.238 χ^2/NDF : 5955.5/31

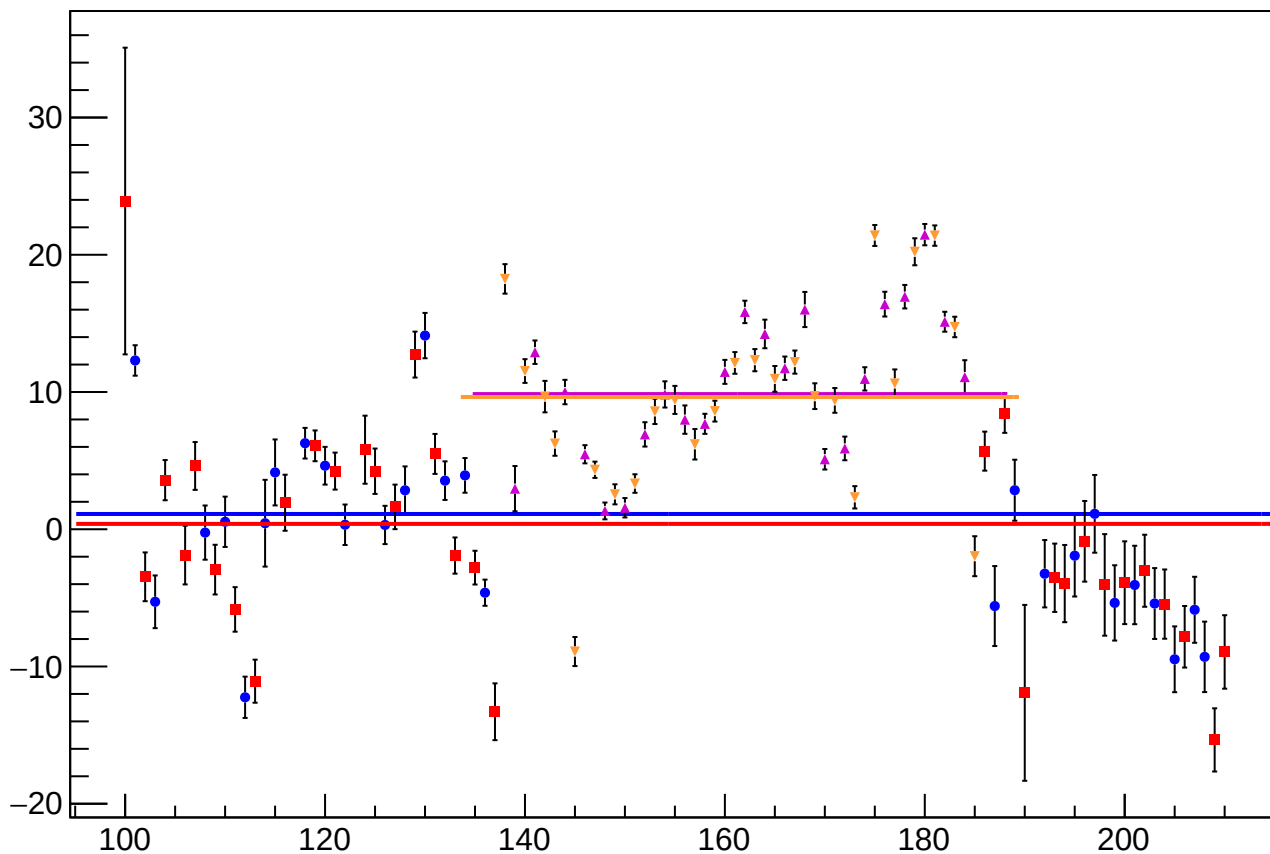
Left In: 58.080+/-0.203 χ^2/NDF : 3558.6/22

+ sign 63.933+/-0.160 χ^2/NDF : 12025.0/51

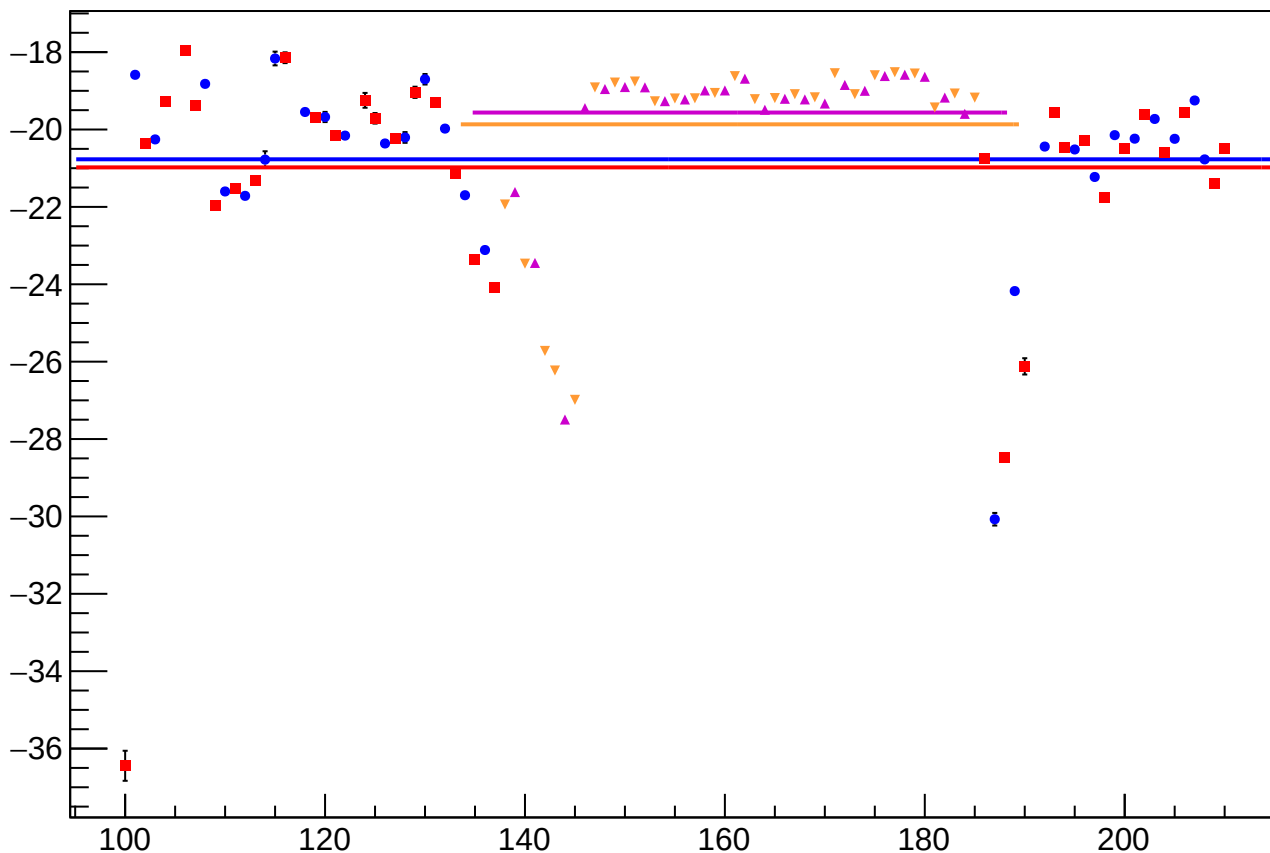
All: 65.607+/-0.111 χ^2/NDF : 26492.6/106

- sign 67.179+/-0.155 χ^2/NDF : 14254.3/54

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.770 ± 0.016 $\chi^2/\text{NDF}: 12534.7/26$

Left Out: -19.866 ± 0.008 $\chi^2/\text{NDF}: 78894.3/24$

Right Out: -20.979 ± 0.016 $\chi^2/\text{NDF}: 20701.4/31$

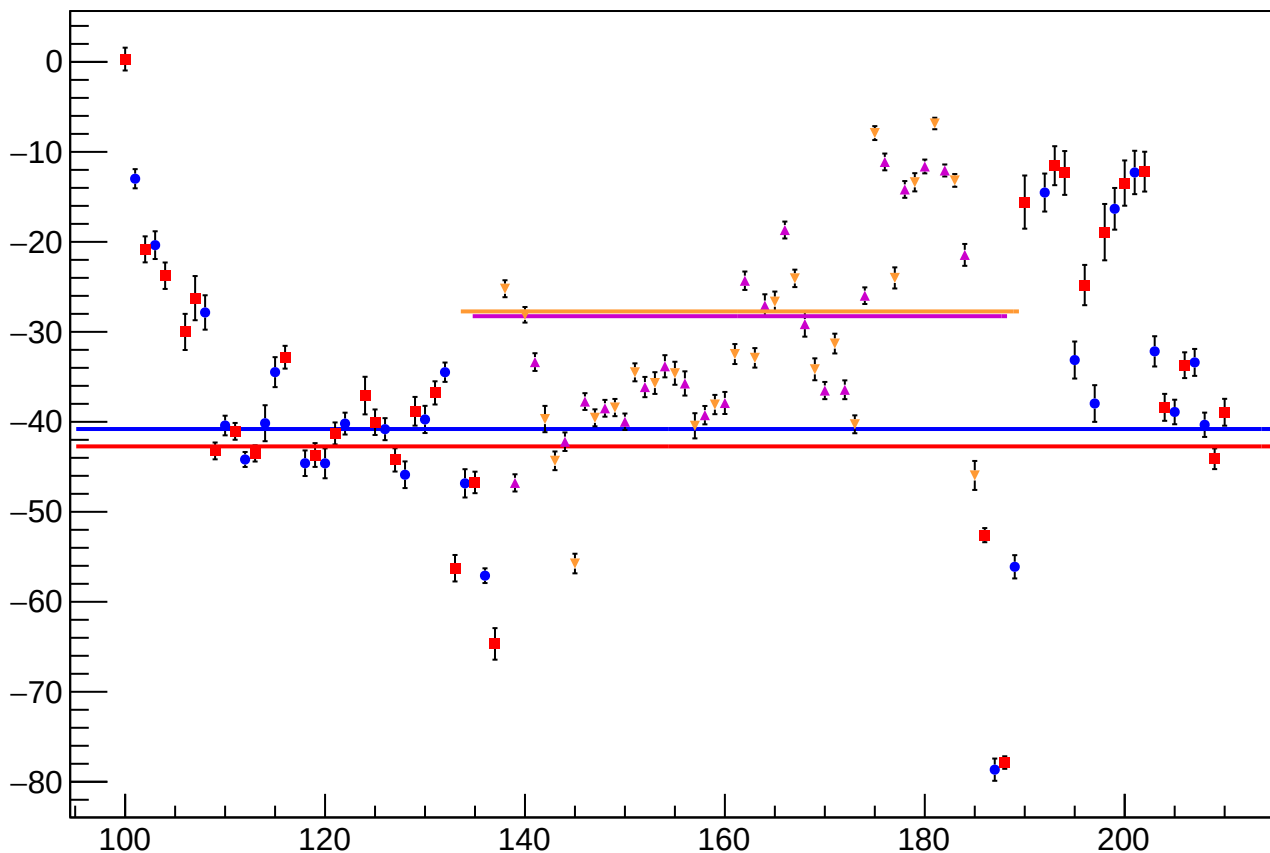
Left In: -19.562 ± 0.008 $\chi^2/\text{NDF}: 45172.6/22$

+ sign -20.041 ± 0.007 $\chi^2/\text{NDF}: 93987.1/51$

All: -19.943 ± 0.005 $\chi^2/\text{NDF}: 166578.0/106$

- sign -19.844 ± 0.007 $\chi^2/\text{NDF}: 72206.2/54$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -40.798 ± 0.262 χ^2/NDF : 2958.7/26

Left Out: -27.729 ± 0.201 χ^2/NDF : 4299.7/24

Right Out: -42.729 ± 0.235 χ^2/NDF : 5645.0/31

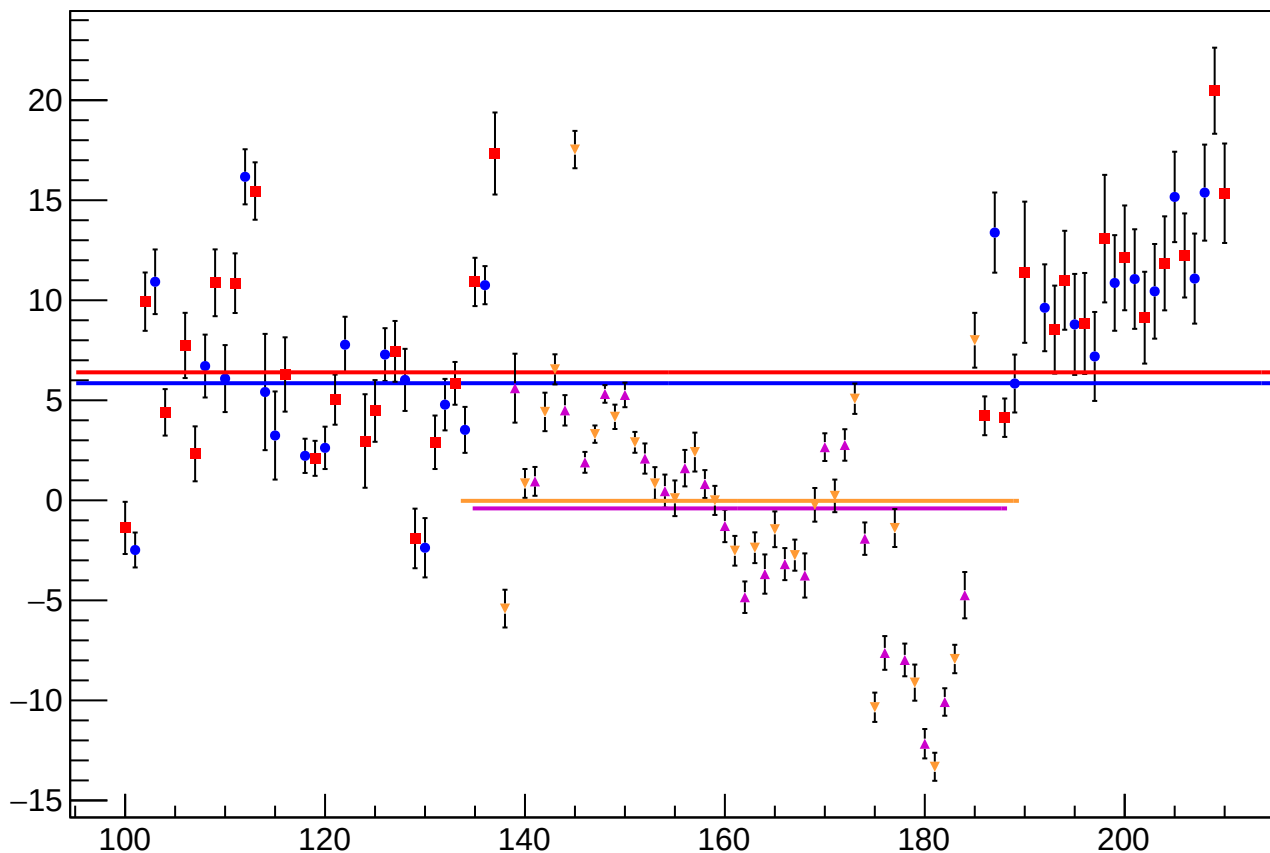
Left In: -28.260 ± 0.206 χ^2/NDF : 3172.7/22

+ sign -32.556 ± 0.159 χ^2/NDF : 8823.6/51

All: -33.588 ± 0.111 χ^2/NDF : 19868.2/106

- sign -34.563 ± 0.155 χ^2/NDF : 10963.1/54

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.854 ± 0.284 $\chi^2/\text{NDF}: 321.0/26$

Left Out: -0.026 ± 0.150 $\chi^2/\text{NDF}: 1531.8/24$

Right Out: 6.398 ± 0.267 $\chi^2/\text{NDF}: 317.4/31$

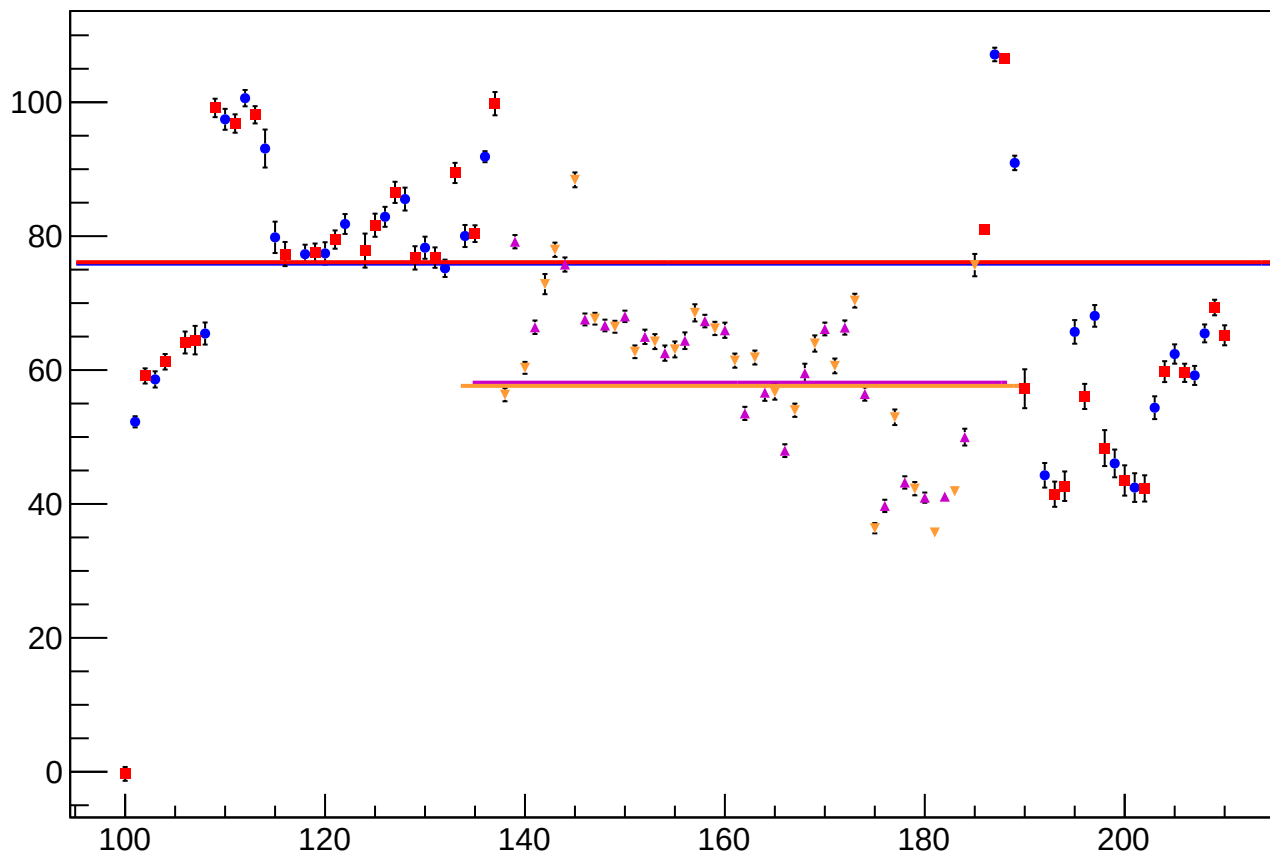
Left In: -0.404 ± 0.155 $\chi^2/\text{NDF}: 1084.1/22$

+ sign 1.258 ± 0.133 $\chi^2/\text{NDF}: 2187.0/51$

All: 1.289 ± 0.094 $\chi^2/\text{NDF}: 4074.0/106$

- sign 1.320 ± 0.134 $\chi^2/\text{NDF}: 1886.9/54$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 75.892 $\pm$ 0.268 χ^2 /NDF: 4533.9/26

Left Out: 57.638 $\pm$ 0.199 χ^2 /NDF:4612.7/24

Right Out: 76.112 $\pm$ 0.232 χ^2 /NDF: 11776.7/31

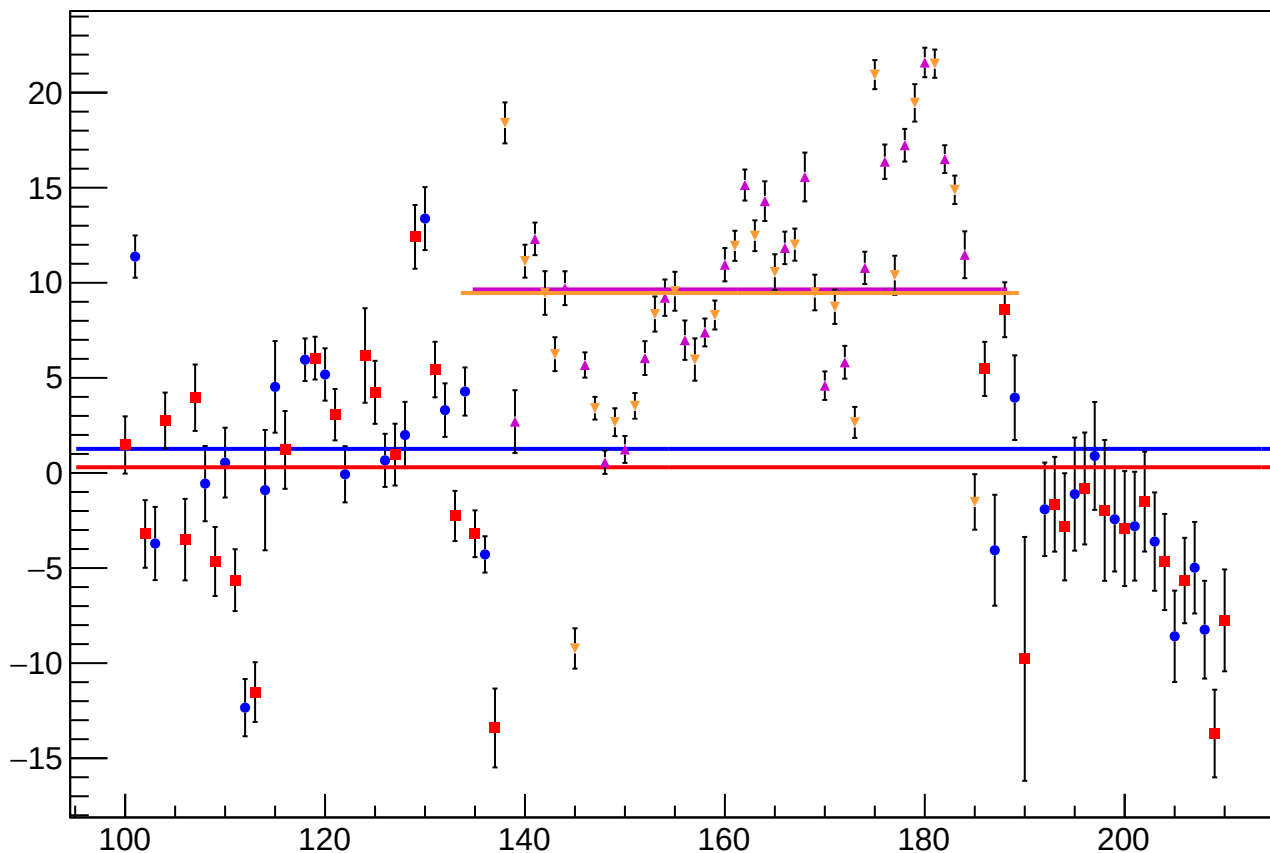
Left In: 58.117 $\pm$ 0.204 χ^2 /NDF:3443.9/22

+ sign 64.142 $\pm$ 0.160 χ^2 /NDF: 12136.8/51

All: 65.079 $\pm$ 0.111 χ^2 /NDF: 30810.4/106

- sign 65.939 $\pm$ 0.153 χ^2 /NDF: 18607.8/54

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 1.267 $\pm$ 0.330 χ^2/NDF : 348.3/26

Left Out: 9.461 $\pm$ 0.172 χ^2/NDF :1483.1/24

Right Out: 0.299 $\pm$ 0.316 χ^2/NDF : 363.7/31

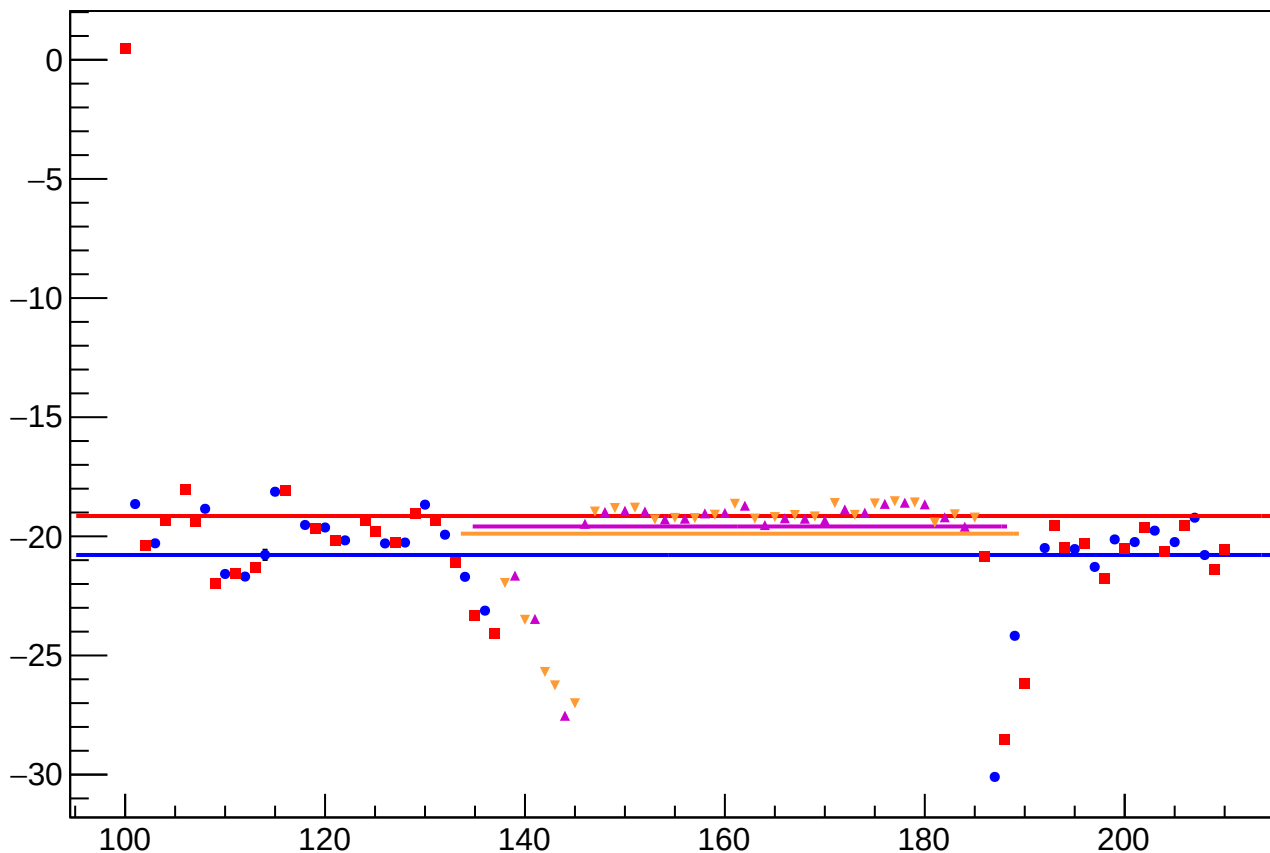
Left In: 9.650 $\pm$ 0.177 χ^2/NDF :1078.5/22

+ sign 7.715 $\pm$ 0.152 χ^2/NDF : 2317.0/51

All: 7.569 $\pm$ 0.108 χ^2/NDF : 4429.8/106

- sign 7.419 $\pm$ 0.154 χ^2/NDF : 2110.9/54

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.782 ± 0.016 $\chi^2/\text{NDF}: 12424.2/26$

Left Out: -19.889 ± 0.008 $\chi^2/\text{NDF}: 78512.6/24$

Right Out: -19.147 ± 0.015 $\chi^2/\text{NDF}: 172463.1/31$

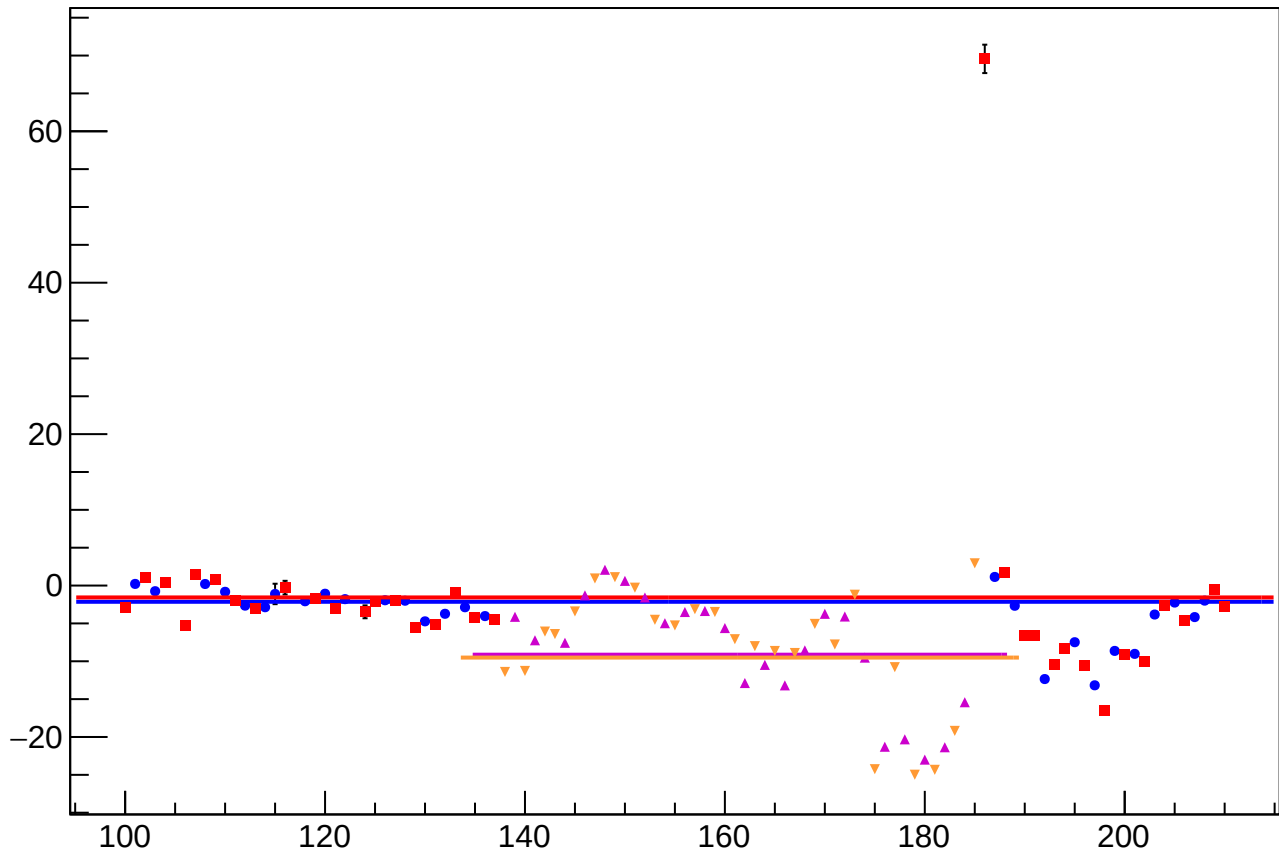
Left In: -19.586 ± 0.008 $\chi^2/\text{NDF}: 45085.3/22$

+ sign -20.062 ± 0.007 $\chi^2/\text{NDF}: 93430.2/51$

All: -19.777 ± 0.005 $\chi^2/\text{NDF}: 314874.7/106$

- sign -19.492 ± 0.007 $\chi^2/\text{NDF}: 218198.6/54$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.142 ± 0.049 χ^2/NDF : 3344.8/26

Left Out: -9.512 ± 0.073 χ^2/NDF : 12916.4/24

Right Out: -1.568 ± 0.045 χ^2/NDF : 6970.0/32

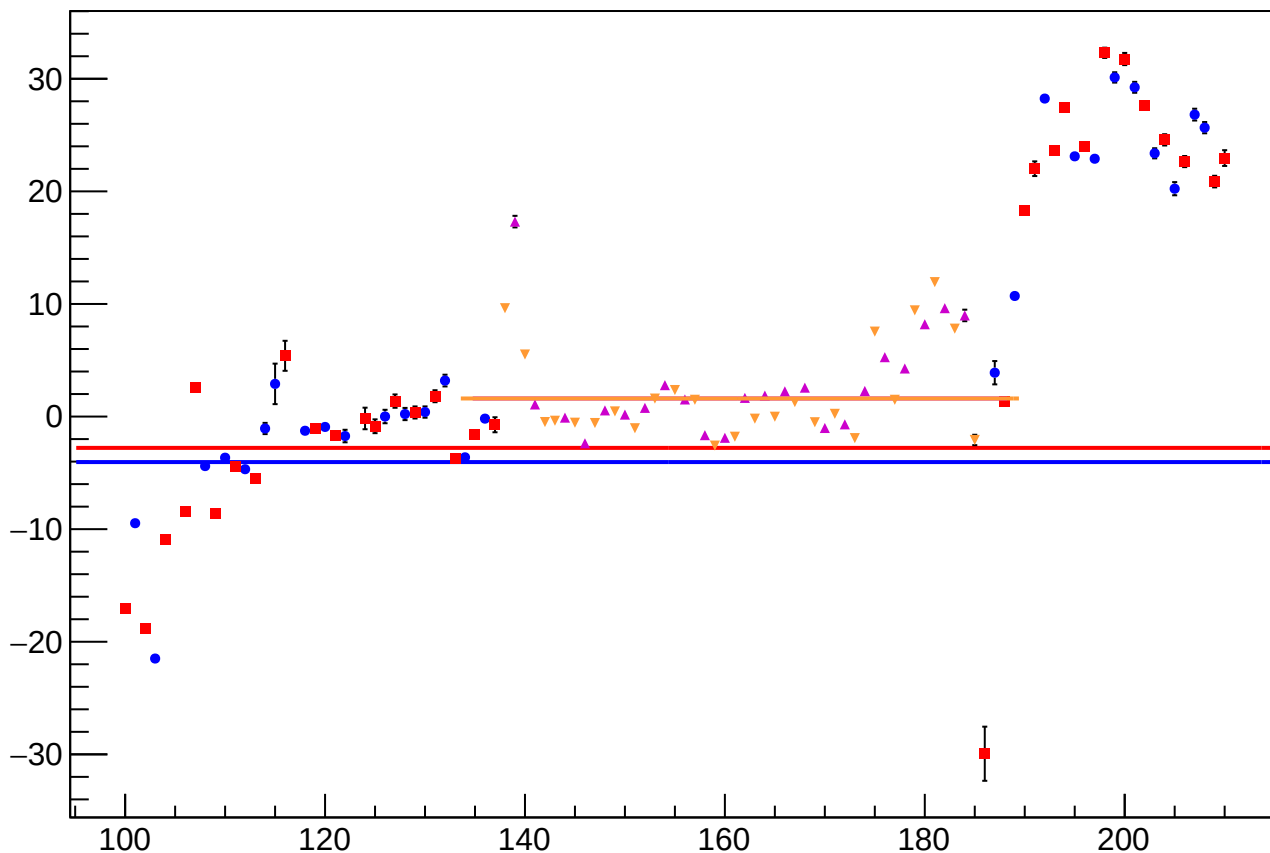
Left In: -9.131 ± 0.075 χ^2/NDF : 10390.6/22

+ sign -4.450 ± 0.041 χ^2/NDF : 23331.3/51

All: -3.983 ± 0.028 χ^2/NDF : 48471.3/107

- sign -3.565 ± 0.038 χ^2/NDF : 24889.6/55

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -4.042 ± 0.053 χ^2/NDF : 61272.8/26

Left Out: 1.606 ± 0.055 χ^2/NDF : 4677.2/24

Right Out: -2.781 ± 0.052 χ^2/NDF : 66761.8/32

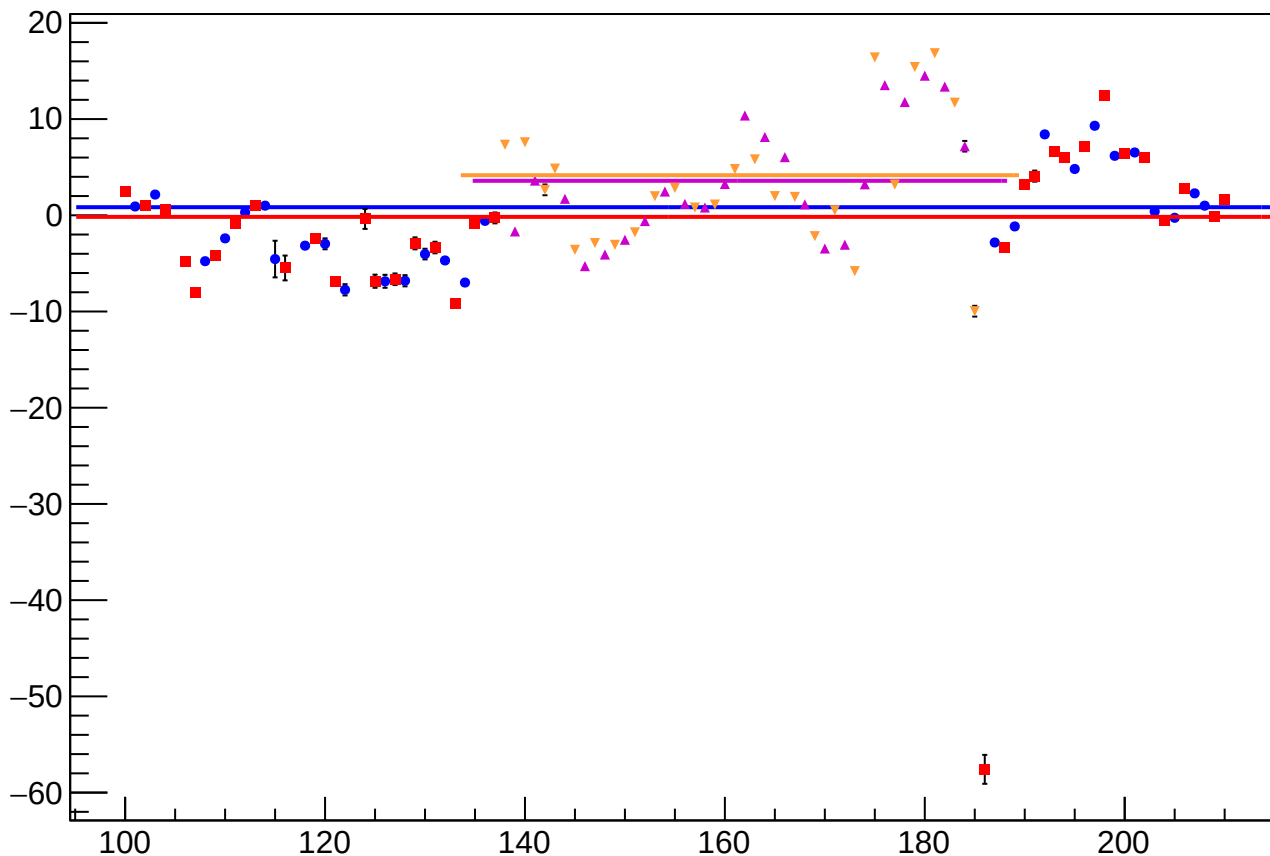
Left In: 1.605 ± 0.058 χ^2/NDF : 3656.4/22

+ sign -1.348 ± 0.038 χ^2/NDF : 71430.4/51

All: -1.088 ± 0.027 χ^2/NDF : 145143.3/107

- sign -0.822 ± 0.039 χ^2/NDF : 73618.7/55

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.841 ± 0.047 χ^2/NDF : 4173.0/26

Left Out: 4.167 ± 0.072 χ^2/NDF : 9246.5/24

Right Out: -0.164 ± 0.045 χ^2/NDF : 8227.3/32

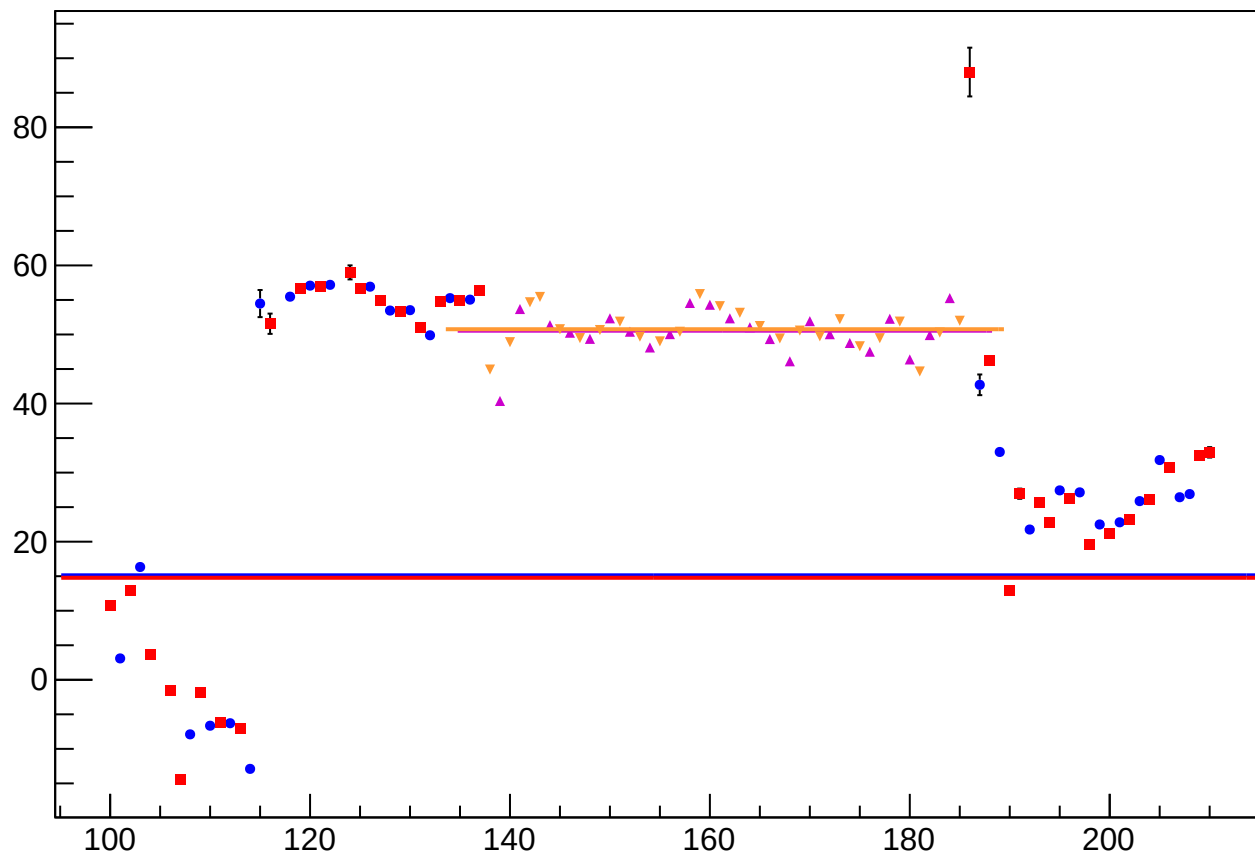
Left In: 3.584 ± 0.074 χ^2/NDF : 7228.4/22

+ sign 1.837 ± 0.039 χ^2/NDF : 14909.9/51

All: 1.334 ± 0.028 χ^2/NDF : 32553.5/107

- sign 0.855 ± 0.039 χ^2/NDF : 17326.3/55

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 15.129+/-0.063 χ^2 /NDF: 114816.3/26

Left Out: 50.761+/-0.062 χ^2 /NDF:1748.6/24

Right Out: 14.773+/-0.061 χ^2 /NDF: 132374.3/32

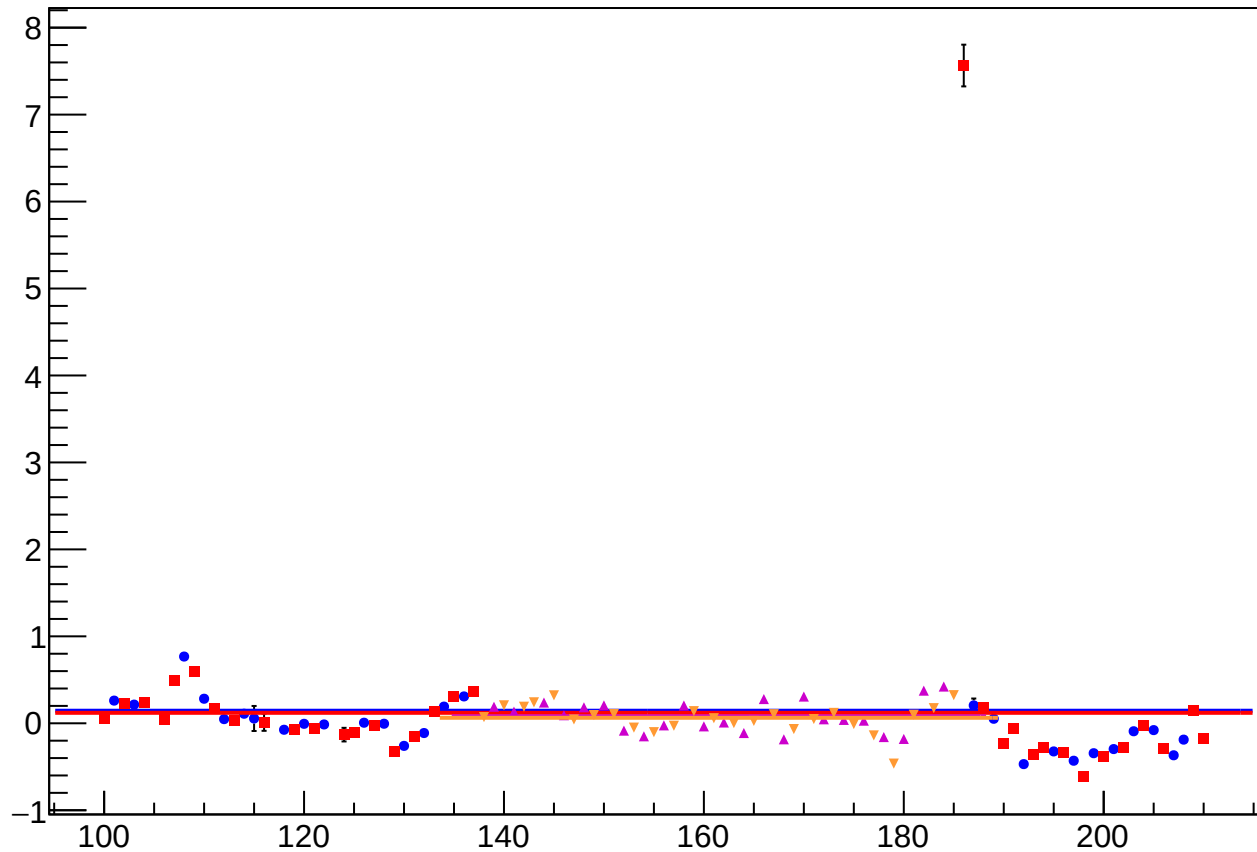
Left In: 50.550+/-0.065 χ^2 /NDF:1717.7/22

+ sign 32.993+/-0.044 χ^2 /NDF: 278960.6/51

All: 32.358+/-0.031 χ^2 /NDF: 574126.3/107

- sign 31.712+/-0.045 χ^2 /NDF: 294749.4/55

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.144 $\pm$ 0.002 χ^2 /NDF: 13497.1/26

Left Out: 0.063 $\pm$ 0.003 χ^2 /NDF:2566.7/24

Right Out: 0.121 $\pm$ 0.002 χ^2 /NDF: 13026.7/32

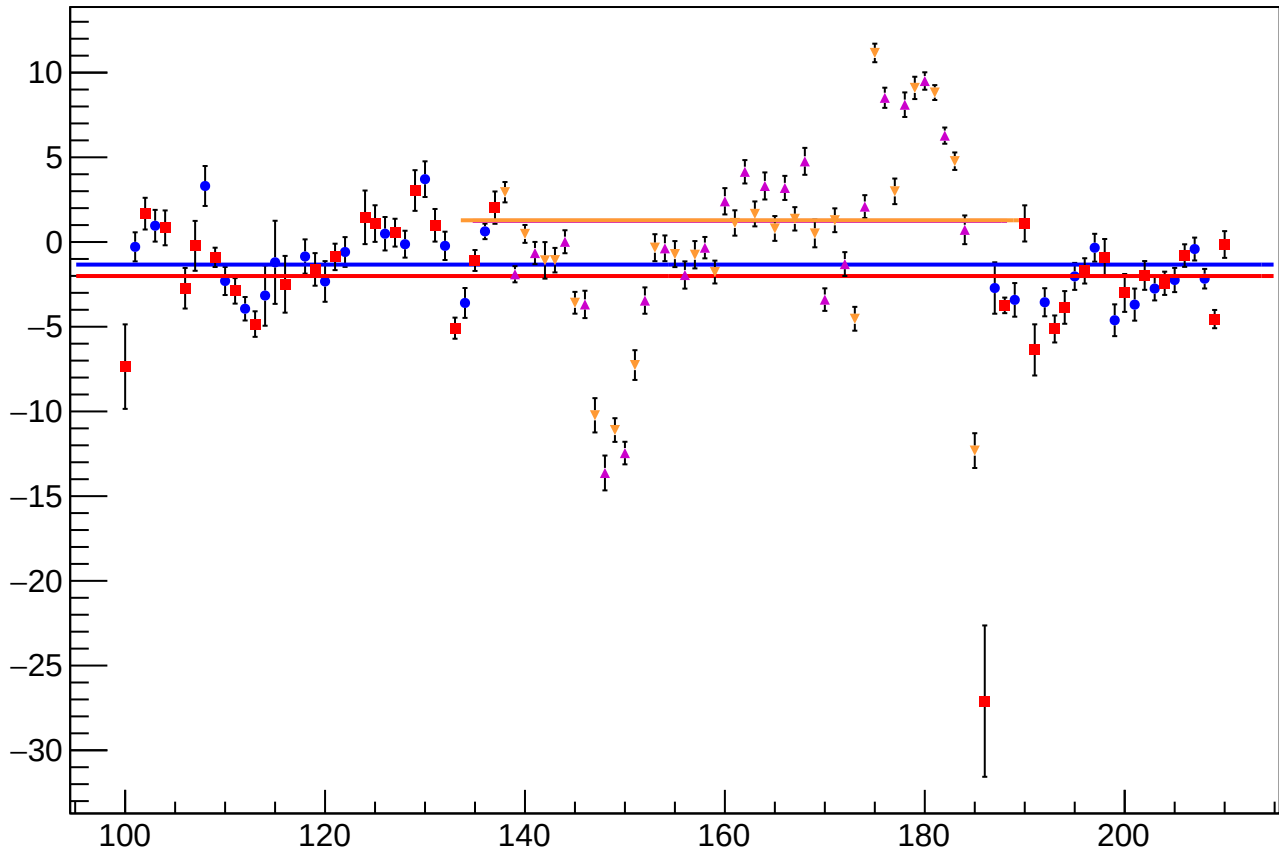
Left In: 0.080 $\pm$ 0.003 χ^2 /NDF:3446.5/22

+ sign 0.109 $\pm$ 0.002 χ^2 /NDF: 16536.4/51

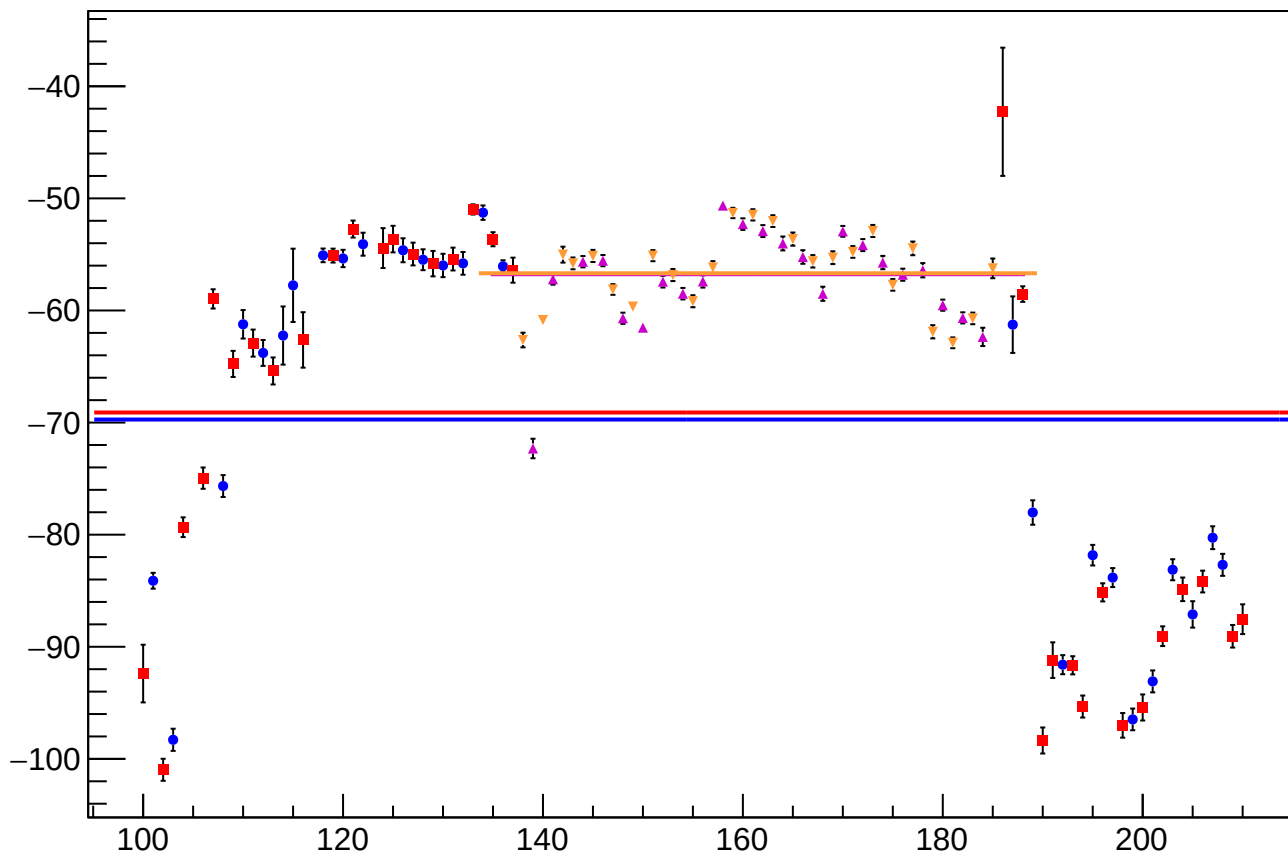
All: 0.106 $\pm$ 0.001 χ^2 /NDF: 33136.0/107

- sign 0.104 $\pm$ 0.002 χ^2 /NDF: 16595.5/55

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -69.728 ± 0.177 χ^2/NDF : 8029.7/26

Left Out: -56.680 ± 0.107 χ^2/NDF : 1014.5/24

Right Out: -69.101 ± 0.164 χ^2/NDF : 11223.1/32

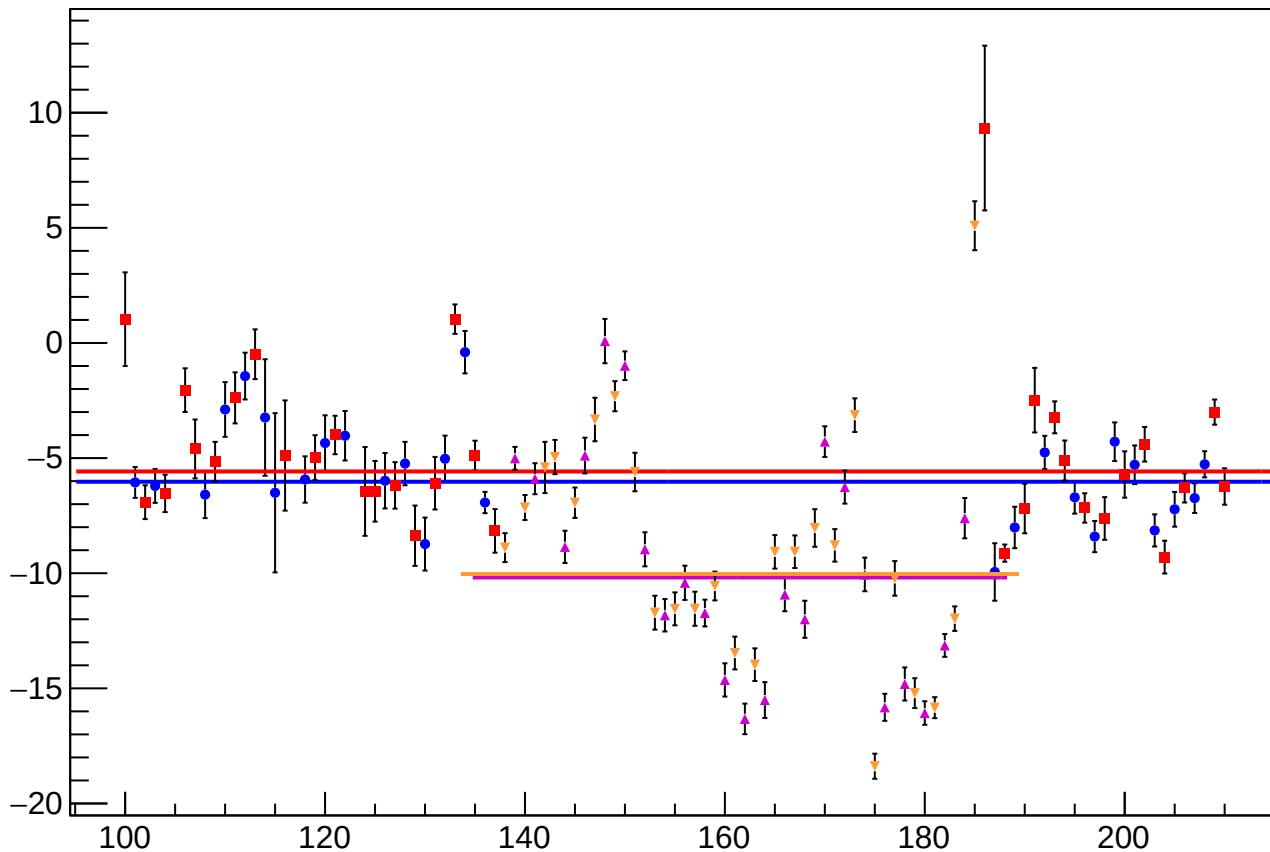
Left In: -56.765 ± 0.112 χ^2/NDF : 1108.9/22

+ sign -60.172 ± 0.092 χ^2/NDF : 13007.7/51

All: -60.426 ± 0.065 χ^2/NDF : 29211.7/107

- sign -60.684 ± 0.092 χ^2/NDF : 16188.6/55

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -6.027 ± 0.160 $\chi^2/\text{NDF}: 133.7/26$

Left Out: -10.034 ± 0.136 $\chi^2/\text{NDF}: 1182.4/24$

Right Out: -5.580 ± 0.144 $\chi^2/\text{NDF}: 377.8/32$

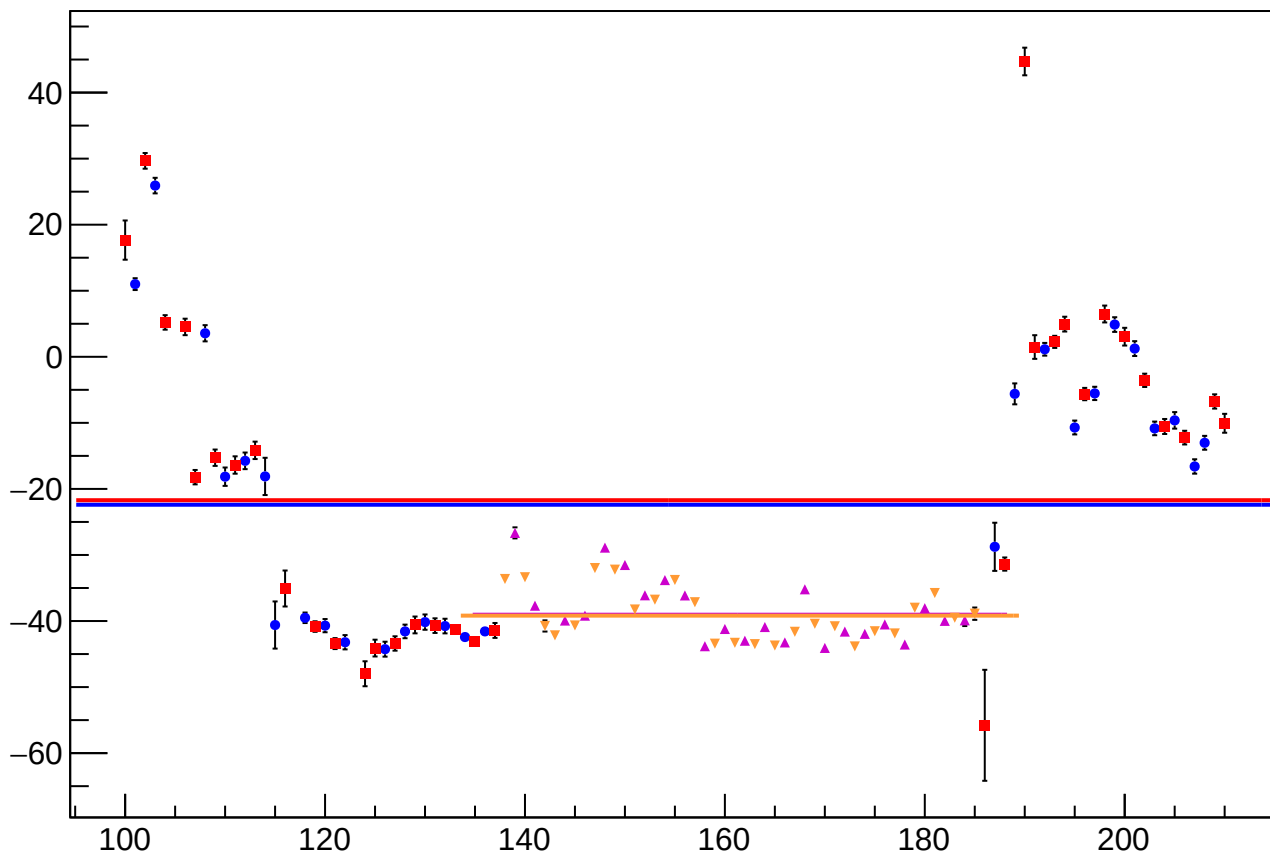
Left In: -10.184 ± 0.139 $\chi^2/\text{NDF}: 1142.6/22$

+ sign -8.350 ± 0.104 $\chi^2/\text{NDF}: 1679.8/51$

All: -8.151 ± 0.072 $\chi^2/\text{NDF}: 3735.0/107$

- sign -7.966 ± 0.100 $\chi^2/\text{NDF}: 2048.1/55$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -22.394 ± 0.202 χ^2/NDF : 10520.9/26

Left Out: -39.183 ± 0.120 χ^2/NDF : 1034.1/24

Right Out: -21.710 ± 0.190 χ^2/NDF : 12944.0/32

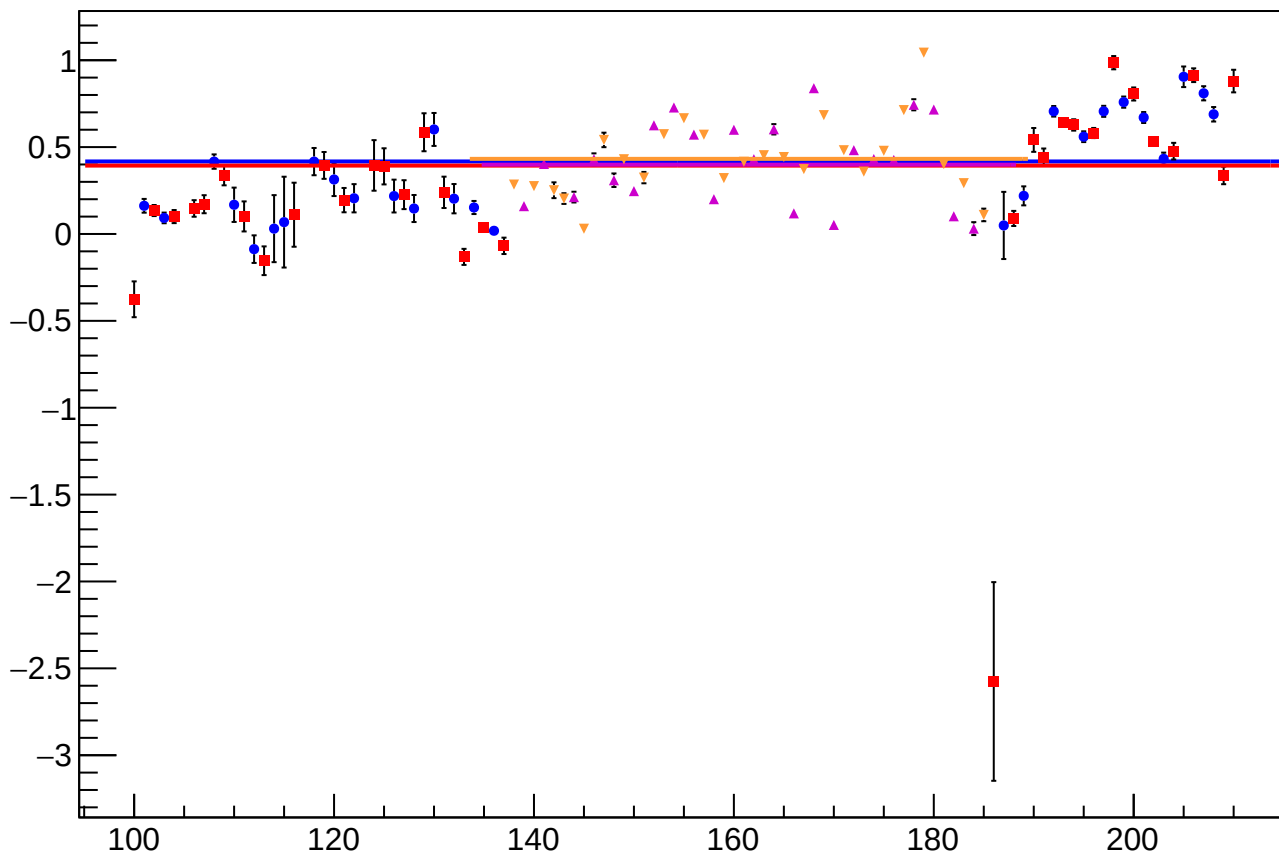
Left In: -39.044 ± 0.124 χ^2/NDF : 1226.4/22

+ sign -34.810 ± 0.103 χ^2/NDF : 16652.4/51

All: -34.343 ± 0.073 χ^2/NDF : 36677.6/107

- sign -33.867 ± 0.104 χ^2/NDF : 19983.8/55

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.417 ± 0.008 χ^2/NDF : 1223.3/26

Left Out: 0.432 ± 0.005 χ^2/NDF : 1368.7/24

Right Out: 0.394 ± 0.008 χ^2/NDF : 1593.9/32

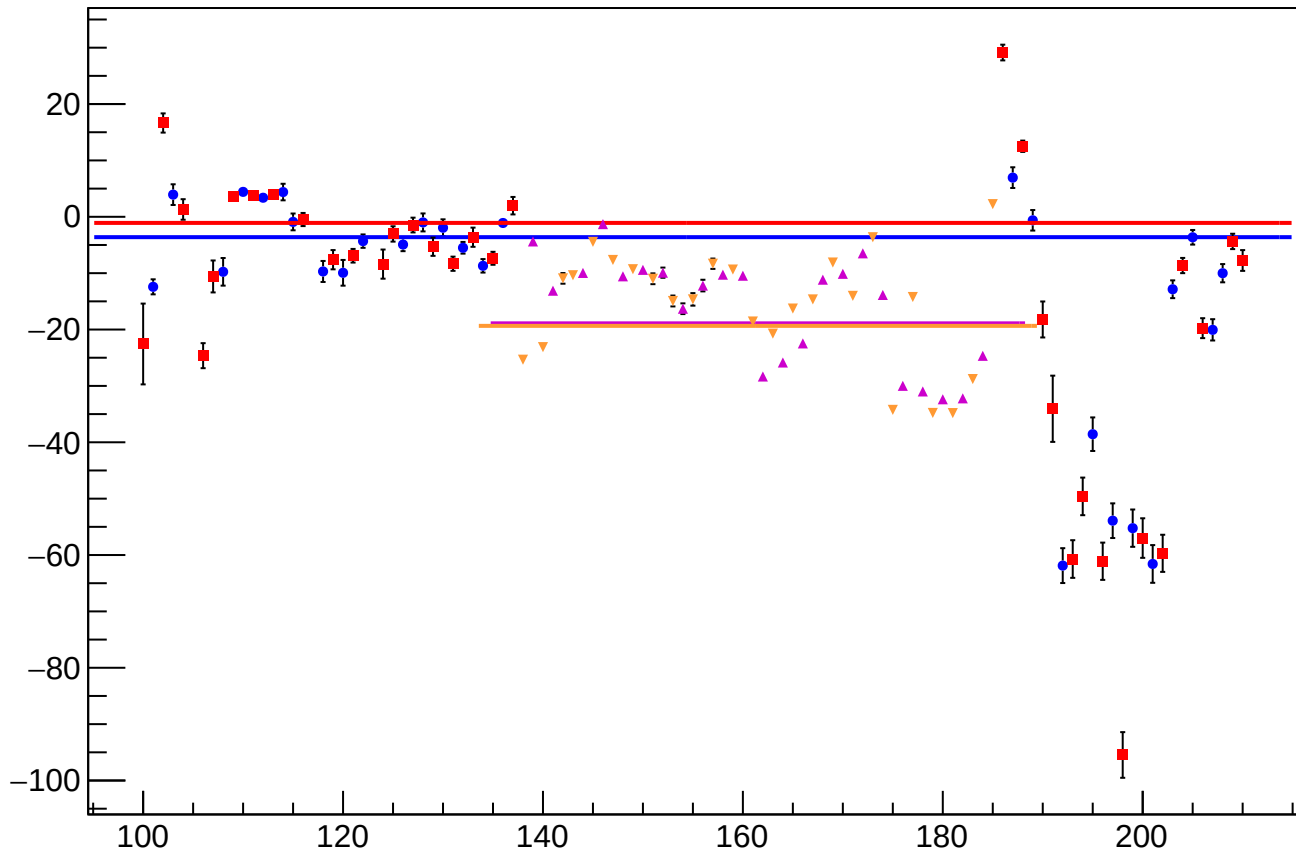
Left In: 0.399 ± 0.005 χ^2/NDF : 1923.8/22

+ sign 0.428 ± 0.004 χ^2/NDF : 2594.2/51

All: 0.413 ± 0.003 χ^2/NDF : 6135.9/107

- sign 0.397 ± 0.004 χ^2/NDF : 3518.0/55

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.612 ± 0.254 $\chi^2/\text{NDF}: 1878.3/26$

Left Out: -19.347 ± 0.113 $\chi^2/\text{NDF}: 10394.7/24$

Right Out: -1.084 ± 0.236 $\chi^2/\text{NDF}: 3393.6/32$

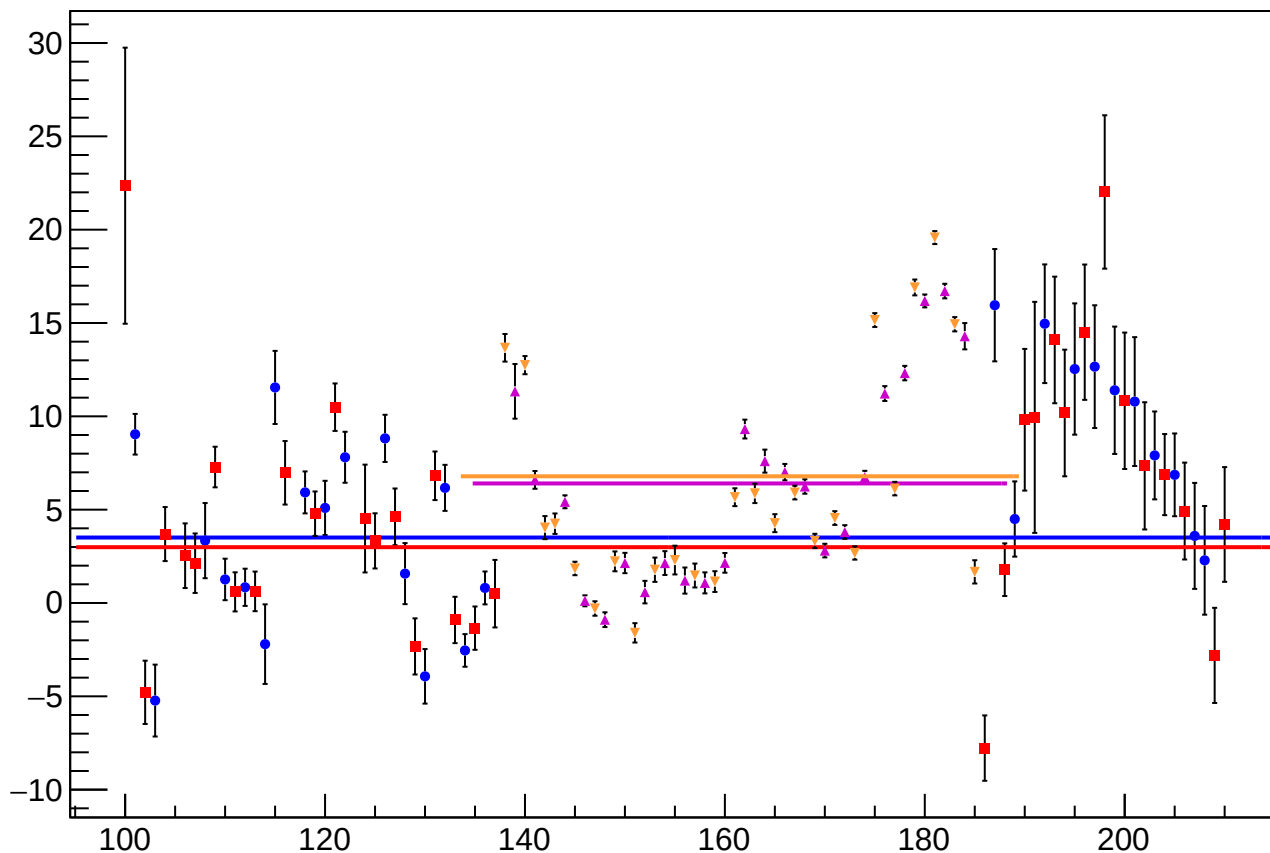
Left In: -18.902 ± 0.116 $\chi^2/\text{NDF}: 8286.2/22$

+ sign -16.738 ± 0.104 $\chi^2/\text{NDF}: 15467.1/51$

All: -16.087 ± 0.073 $\chi^2/\text{NDF}: 31815.9/107$

- sign -15.428 ± 0.104 $\chi^2/\text{NDF}: 16269.1/55$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.507 ± 0.294 $\chi^2/\text{NDF}: 264.8/26$

Left Out: 6.788 ± 0.090 $\chi^2/\text{NDF}: 4632.5/24$

Right Out: 2.990 ± 0.293 $\chi^2/\text{NDF}: 250.3/32$

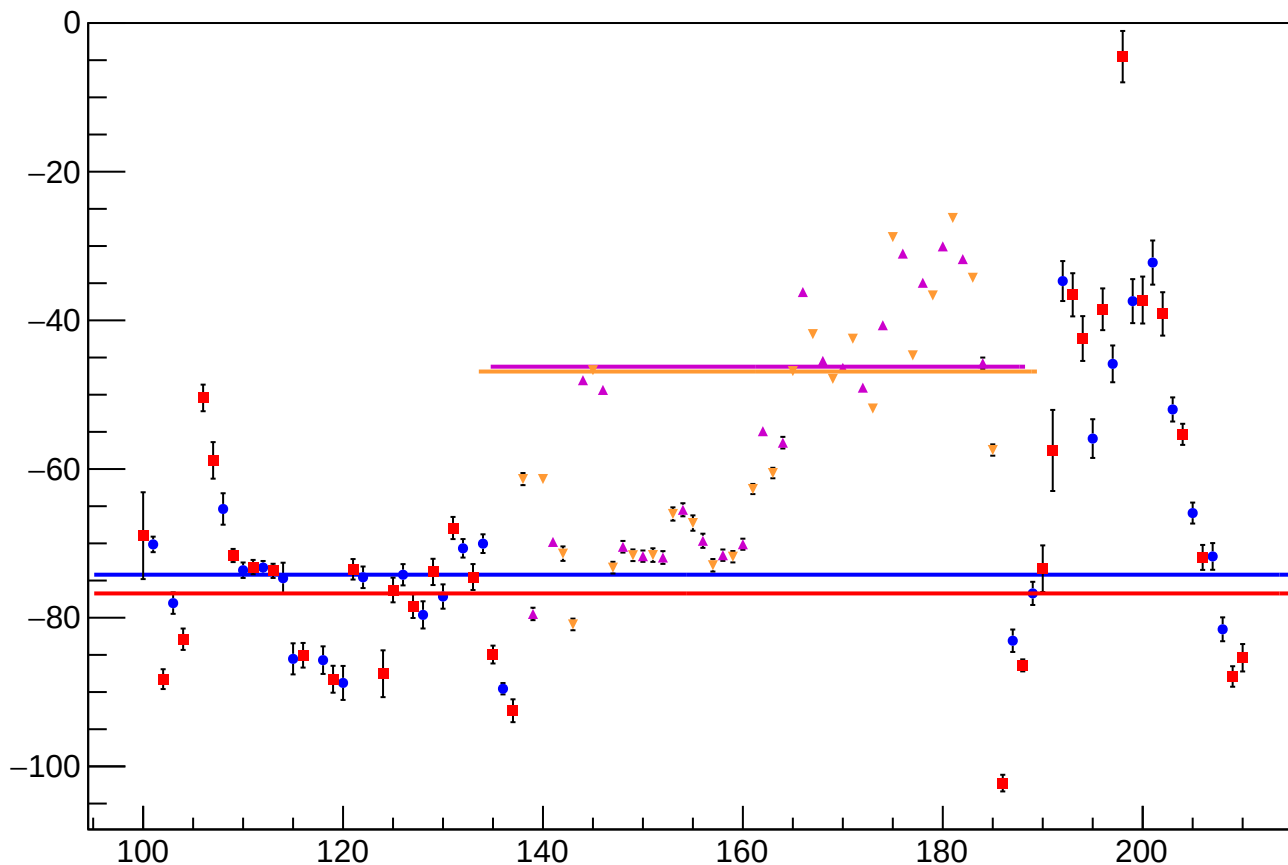
Left In: 6.404 ± 0.091 $\chi^2/\text{NDF}: 3410.4/22$

+ sign 6.505 ± 0.086 $\chi^2/\text{NDF}: 5011.4/51$

All: 6.306 ± 0.061 $\chi^2/\text{NDF}: 8806.7/107$

- sign 6.103 ± 0.087 $\chi^2/\text{NDF}: 3784.5/55$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -74.213 ± 0.283 χ^2/NDF : 1616.0/26

Left Out: -46.883 ± 0.114 χ^2/NDF : 17974.5/24

Right Out: -76.735 ± 0.267 χ^2/NDF : 2960.9/32

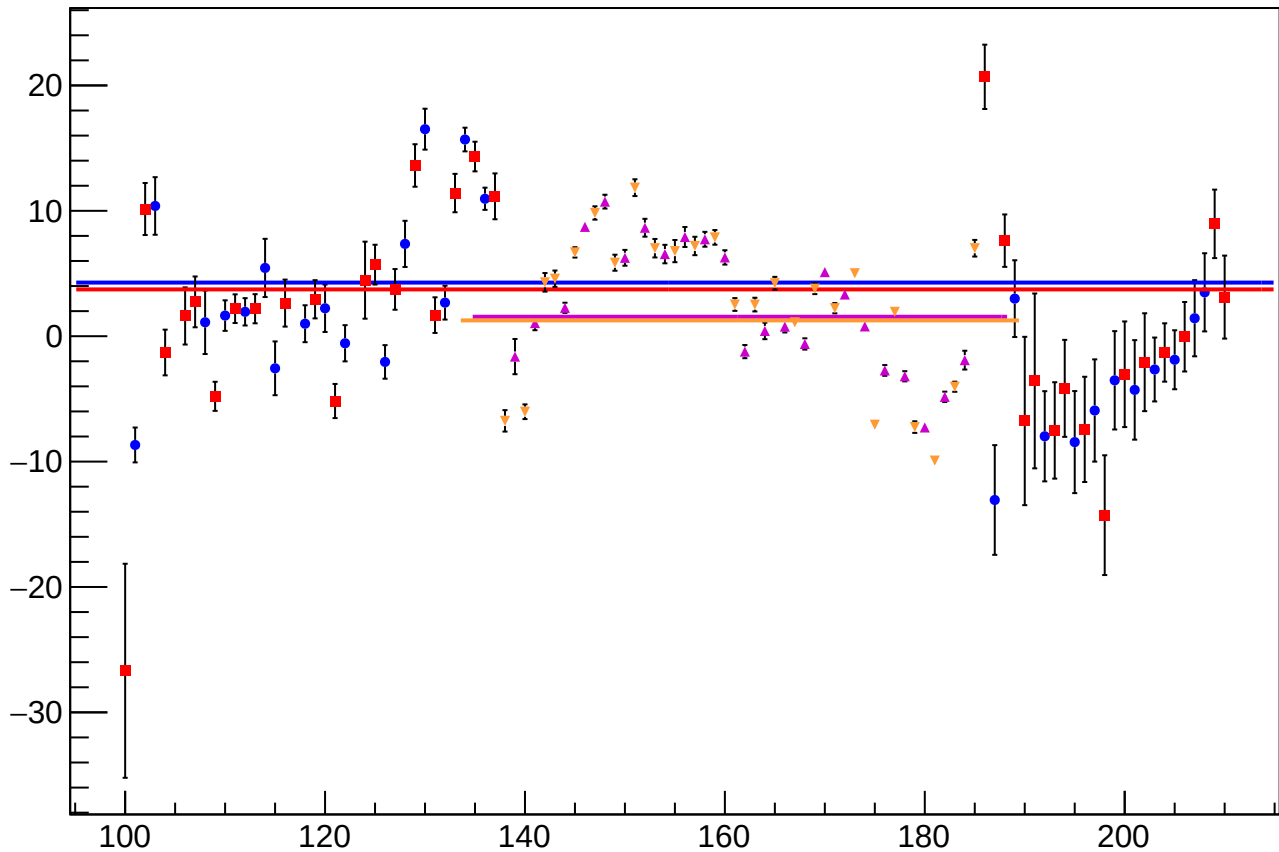
Left In: -46.231 ± 0.116 χ^2/NDF : 15169.3/22

+ sign -50.696 ± 0.106 χ^2/NDF : 27623.9/51

All: -50.897 ± 0.075 χ^2/NDF : 56753.3/107

- sign -51.102 ± 0.107 χ^2/NDF : 29122.1/55

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.277 ± 0.330 χ^2/NDF : 485.6/26

Left Out: 1.261 ± 0.100 χ^2/NDF : 3445.7/24

Right Out: 3.732 ± 0.334 χ^2/NDF : 391.4/32

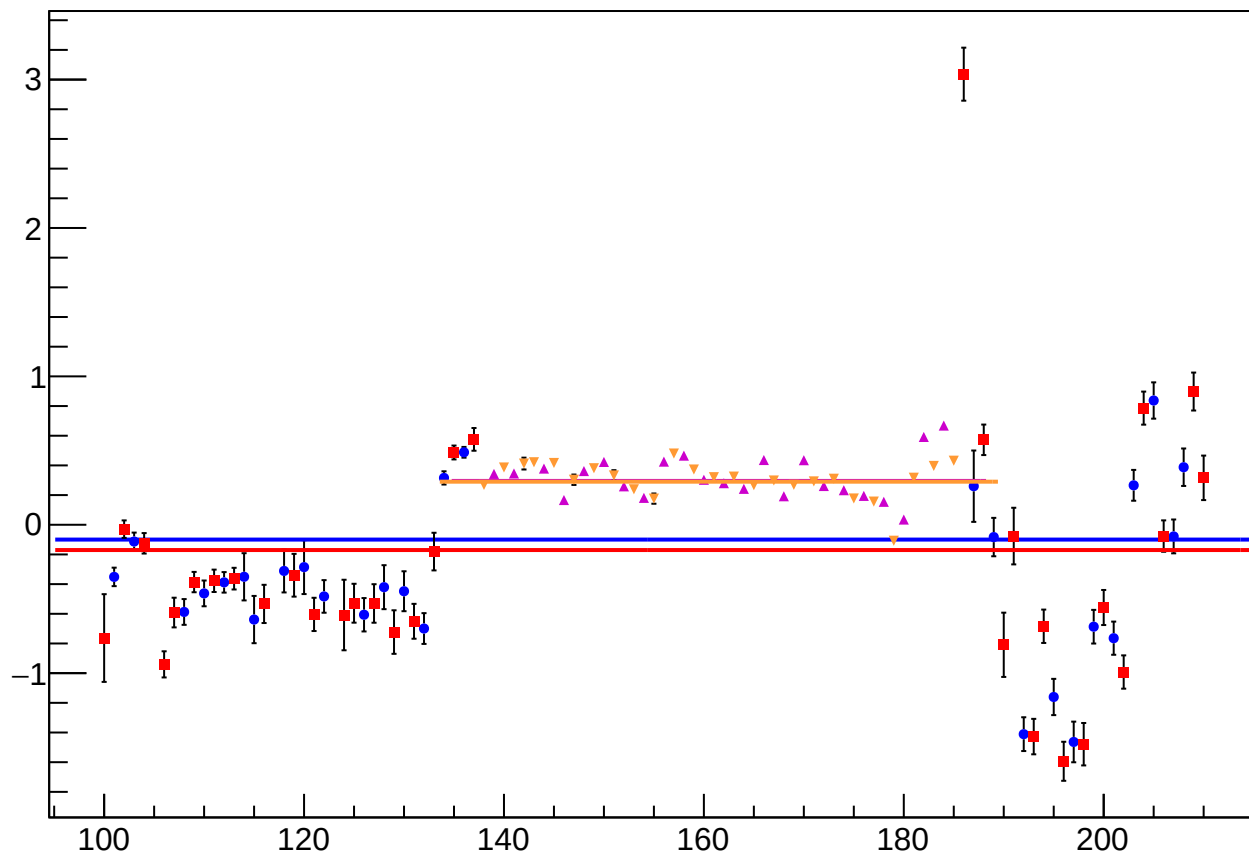
Left In: 1.551 ± 0.102 χ^2/NDF : 2335.7/22

+ sign 1.518 ± 0.096 χ^2/NDF : 4007.9/51

All: 1.626 ± 0.068 χ^2/NDF : 6776.6/107

- sign 1.737 ± 0.098 χ^2/NDF : 2766.1/55

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.100 ± 0.017 χ^2/NDF : 985.7/26

Left Out: 0.290 ± 0.004 χ^2/NDF : 719.3/24

Right Out: -0.170 ± 0.017 χ^2/NDF : 1430.6/32

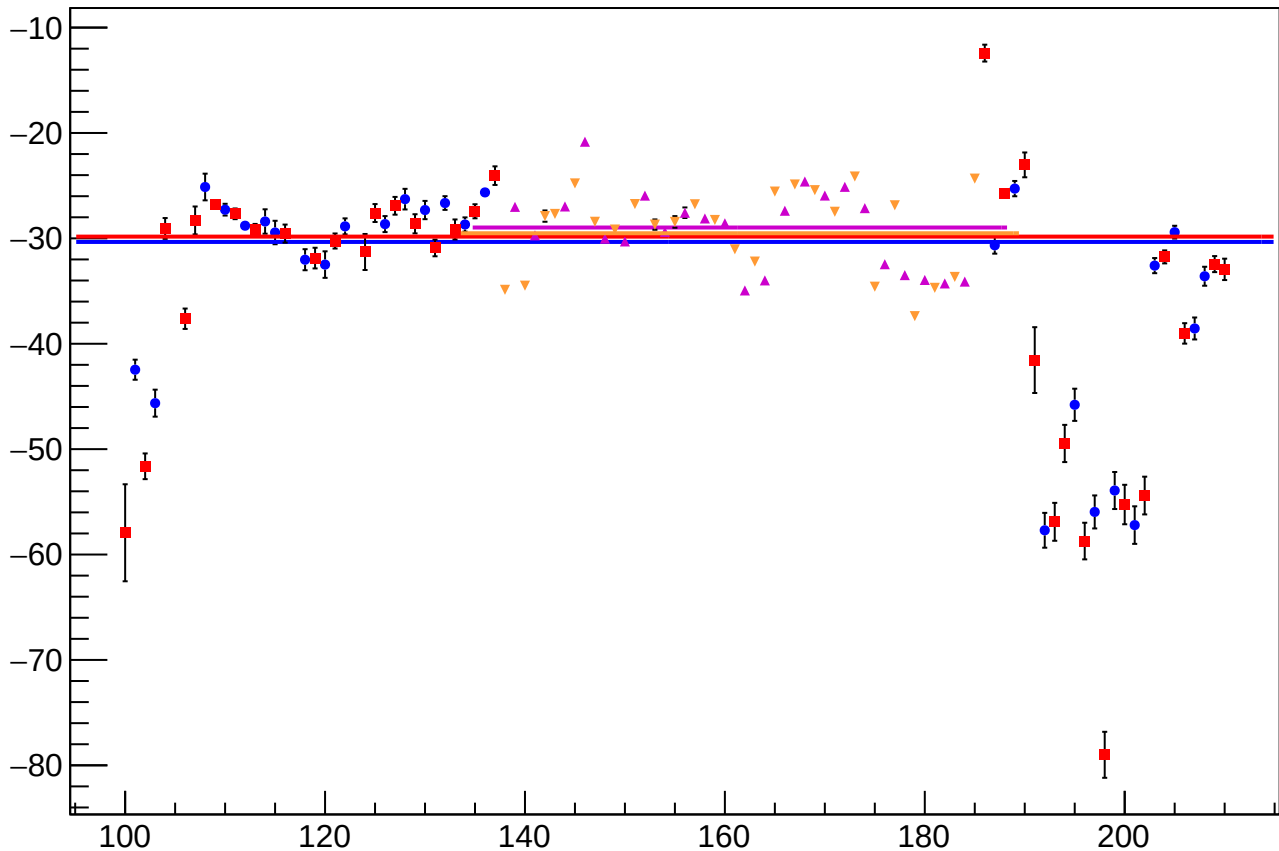
Left In: 0.295 ± 0.005 χ^2/NDF : 1035.4/22

+ sign 0.265 ± 0.004 χ^2/NDF : 2205.2/51

All: 0.265 ± 0.003 χ^2/NDF : 5341.9/107

- sign 0.265 ± 0.004 χ^2/NDF : 3136.6/55

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.340 ± 0.156 χ^2/NDF : 1752.7/26

Left Out: -29.516 ± 0.056 χ^2/NDF : 6088.5/24

Right Out: -29.834 ± 0.147 χ^2/NDF : 2805.1/32

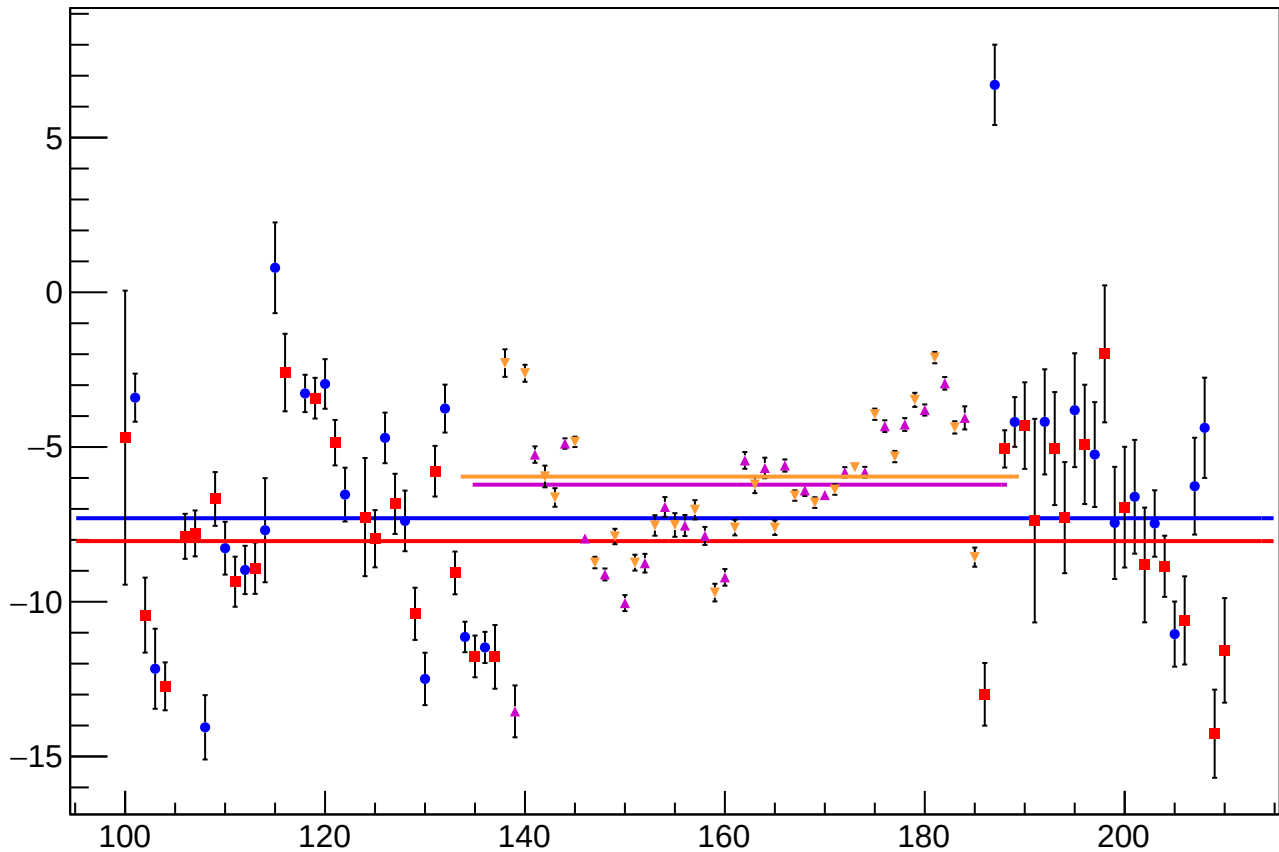
Left In: -28.971 ± 0.057 χ^2/NDF : 5348.6/22

+ sign -29.611 ± 0.053 χ^2/NDF : 7865.8/51

All: -29.348 ± 0.038 χ^2/NDF : 16098.8/107

- sign -29.083 ± 0.053 χ^2/NDF : 8183.5/55

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.300 ± 0.175 χ^2/NDF : 547.1/26

Left Out: -5.956 ± 0.044 χ^2/NDF : 1857.8/24

Right Out: -8.040 ± 0.171 χ^2/NDF : 293.9/32

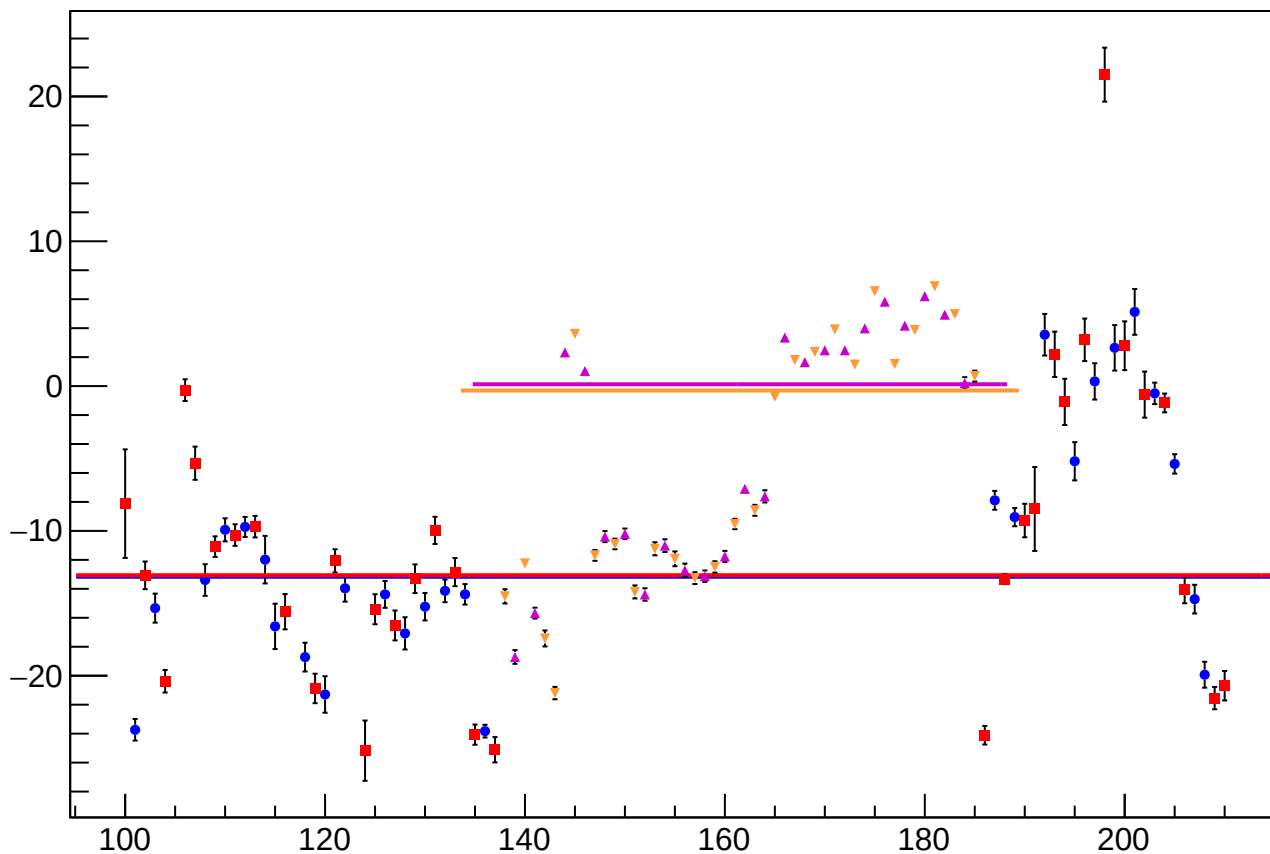
Left In: -6.217 ± 0.044 χ^2/NDF : 1741.8/22

+ sign -6.037 ± 0.043 χ^2/NDF : 2460.3/51

All: -6.185 ± 0.030 χ^2/NDF : 4625.9/107

- sign -6.331 ± 0.043 χ^2/NDF : 2142.2/55

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.165 ± 0.166 χ^2/NDF : 2061.1/26

Left Out: -0.306 ± 0.057 χ^2/NDF : 17181.6/24

Right Out: -13.060 ± 0.153 χ^2/NDF : 2628.5/32

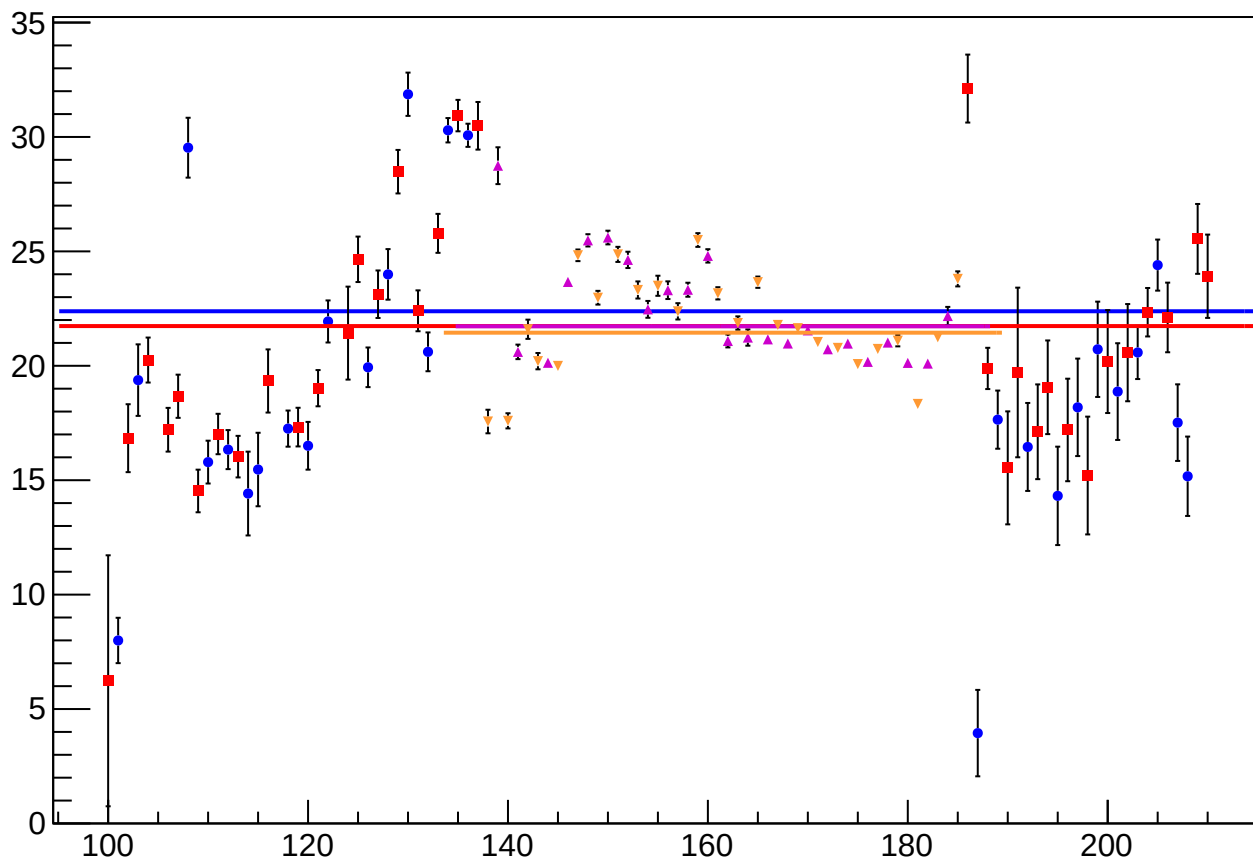
Left In: 0.125 ± 0.057 χ^2/NDF : 13838.6/22

+ sign -1.651 ± 0.054 χ^2/NDF : 24648.2/51

All: -1.565 ± 0.038 χ^2/NDF : 47635.2/107

- sign -1.480 ± 0.053 χ^2/NDF : 22982.0/55

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.383 $\pm$ 0.199 χ^2 /NDF: 1194.1/26

Left Out: 21.447 $\pm$ 0.050 χ^2 /NDF:1325.2/24

Right Out: 21.736 $\pm$ 0.200 χ^2 /NDF: 644.0/32

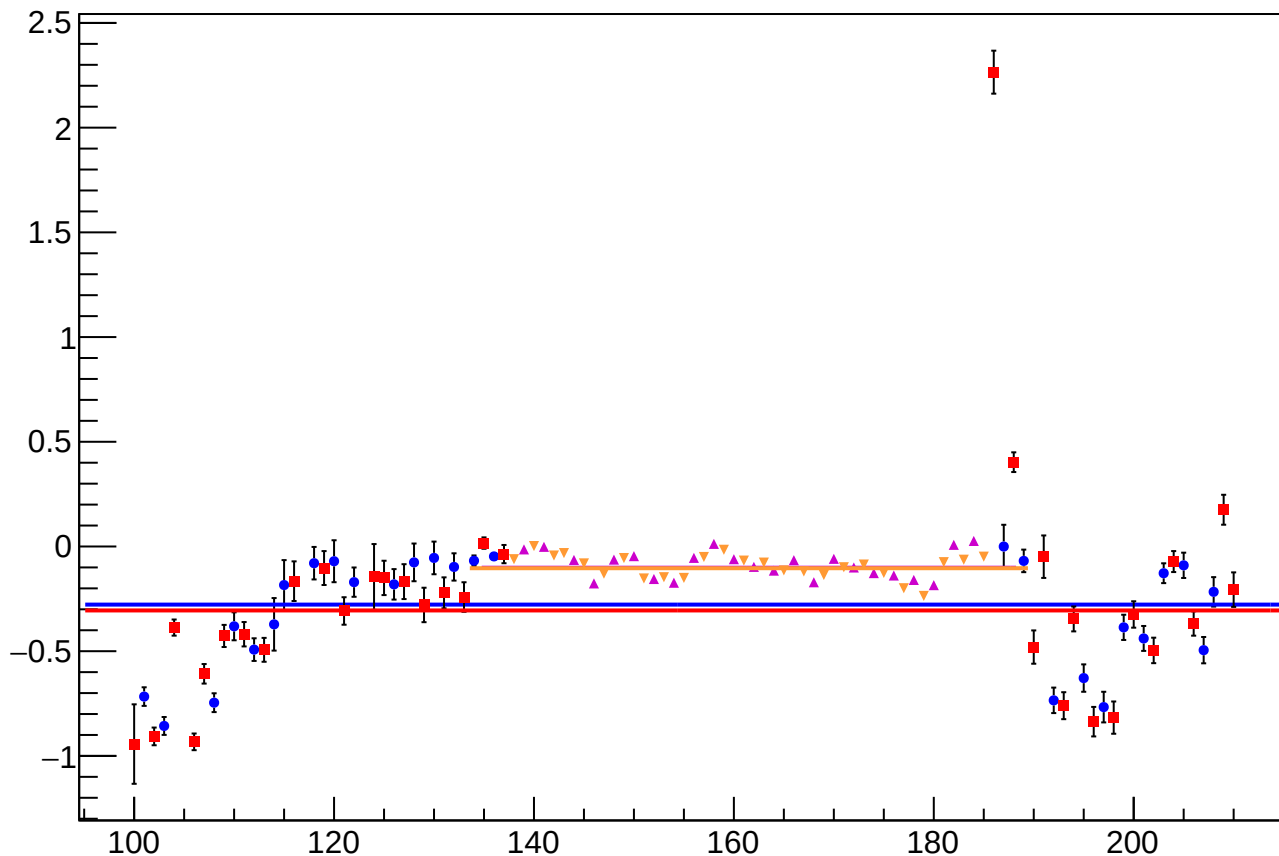
Left In: 21.725 $\pm$ 0.050 χ^2 /NDF:1173.7/22

+ sign 21.502 $\pm$ 0.048 χ^2 /NDF: 2540.3/51

All: 21.614 $\pm$ 0.034 χ^2 /NDF: 4368.8/107

- sign 21.726 $\pm$ 0.048 χ^2 /NDF: 1817.7/55

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.278 ± 0.010 χ^2/NDF : 834.1/26

Left Out: -0.104 ± 0.002 χ^2/NDF : 547.4/24

Right Out: -0.305 ± 0.010 χ^2/NDF : 1821.2/32

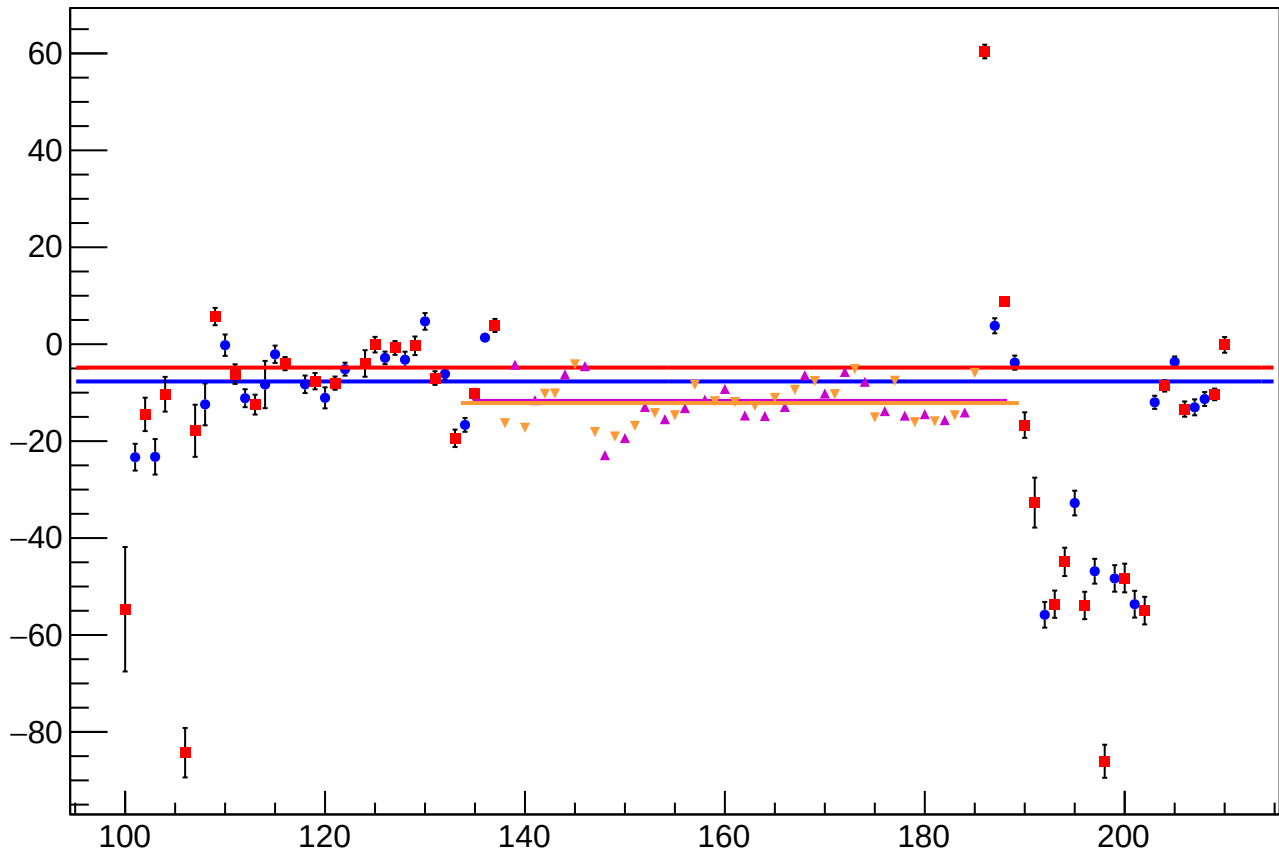
Left In: -0.101 ± 0.002 χ^2/NDF : 757.6/22

+ sign -0.112 ± 0.002 χ^2/NDF : 1675.4/51

All: -0.111 ± 0.002 χ^2/NDF : 4644.2/107

- sign -0.111 ± 0.002 χ^2/NDF : 2968.7/55

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -7.685 ± 0.306 $\chi^2/\text{NDF}: 1634.0/26$

Left Out: -12.143 ± 0.092 $\chi^2/\text{NDF}: 2130.5/24$

Right Out: -4.823 ± 0.300 $\chi^2/\text{NDF}: 4904.9/32$

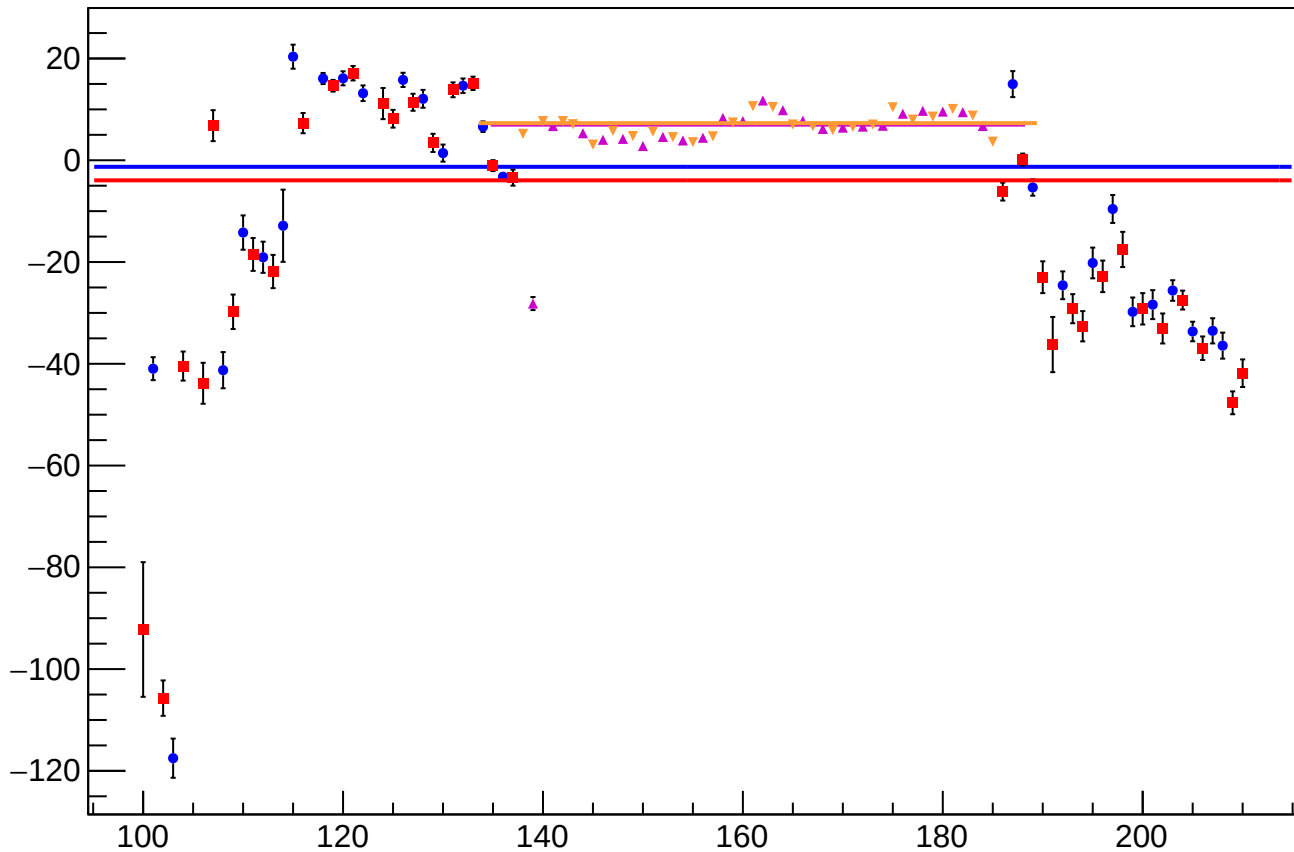
Left In: -11.698 ± 0.094 $\chi^2/\text{NDF}: 1951.0/22$

+ sign -11.778 ± 0.088 $\chi^2/\text{NDF}: 3958.7/51$

All: -11.438 ± 0.063 $\chi^2/\text{NDF}: 11323.3/107$

- sign -11.080 ± 0.090 $\chi^2/\text{NDF}: 7333.7/55$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -1.288 ± 0.338 χ^2/NDF : 3526.1/26

Left Out: 7.297 ± 0.075 χ^2/NDF : 822.9/24

Right Out: -3.949 ± 0.348 χ^2/NDF : 3750.0/32

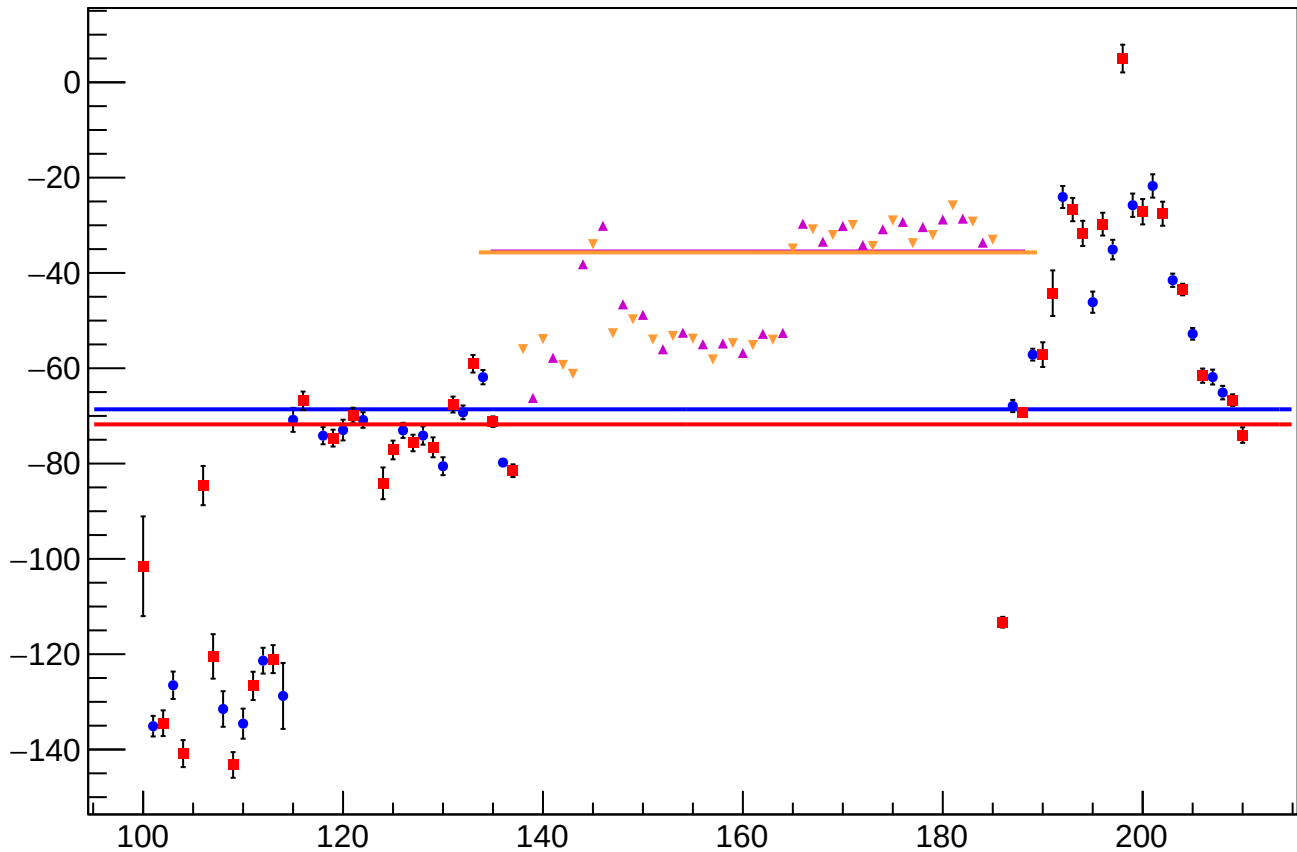
Left In: 7.004 ± 0.076 χ^2/NDF : 1576.0/22

+ sign 6.895 ± 0.073 χ^2/NDF : 4962.9/51

All: 6.703 ± 0.052 χ^2/NDF : 11249.7/107

- sign 6.505 ± 0.074 χ^2/NDF : 6272.8/55

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -68.614 ± 0.315 $\chi^2/\text{NDF}: 4954.1/26$

Left Out: -35.690 ± 0.092 $\chi^2/\text{NDF}: 12778.3/24$

Right Out: -71.775 ± 0.301 $\chi^2/\text{NDF}: 6949.8/32$

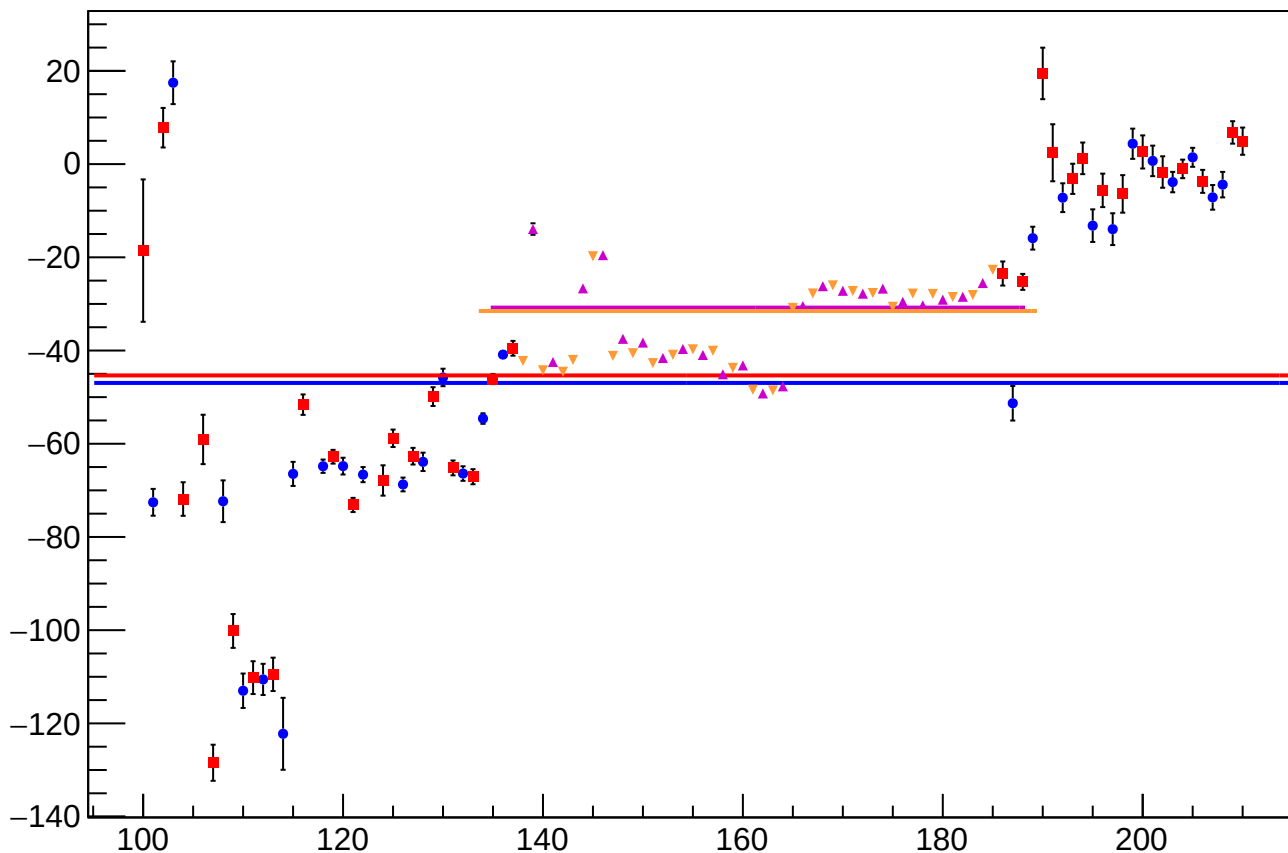
Left In: -35.497 ± 0.095 $\chi^2/\text{NDF}: 11162.0/22$

+ sign -38.284 ± 0.089 $\chi^2/\text{NDF}: 27772.9/51$

All: -38.517 ± 0.063 $\chi^2/\text{NDF}: 59127.0/107$

- sign -38.759 ± 0.090 $\chi^2/\text{NDF}: 31340.0/55$

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -46.950 $\pm$ 0.380 χ^2 /NDF: 4489.6/26

Left Out: -31.520 $\pm$ 0.083 χ^2 /NDF: 8457.7/24

Right Out: -45.341 $\pm$ 0.399 χ^2 /NDF: 5476.9/32

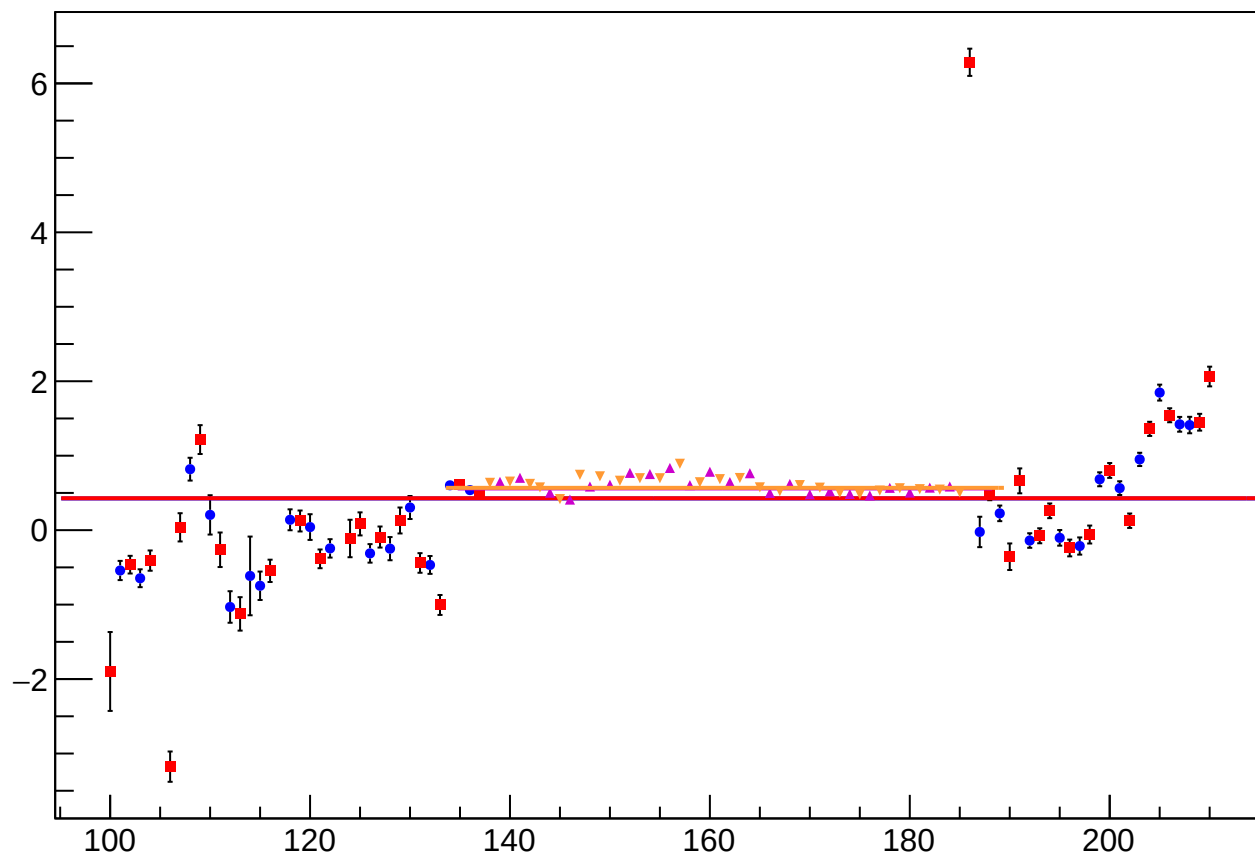
Left In: -30.789 $\pm$ 0.084 χ^2 /NDF: 7548.8/22

+ sign -32.221 $\pm$ 0.081 χ^2 /NDF: 14525.3/51

All: -31.823 $\pm$ 0.058 χ^2 /NDF: 28871.9/107

- sign -31.410 $\pm$ 0.082 χ^2 /NDF: 14297.4/55

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.425 ± 0.019 χ^2/NDF : 902.7/26

Left Out: 0.568 ± 0.004 χ^2/NDF : 554.5/24

Right Out: 0.429 ± 0.020 χ^2/NDF : 2419.5/32

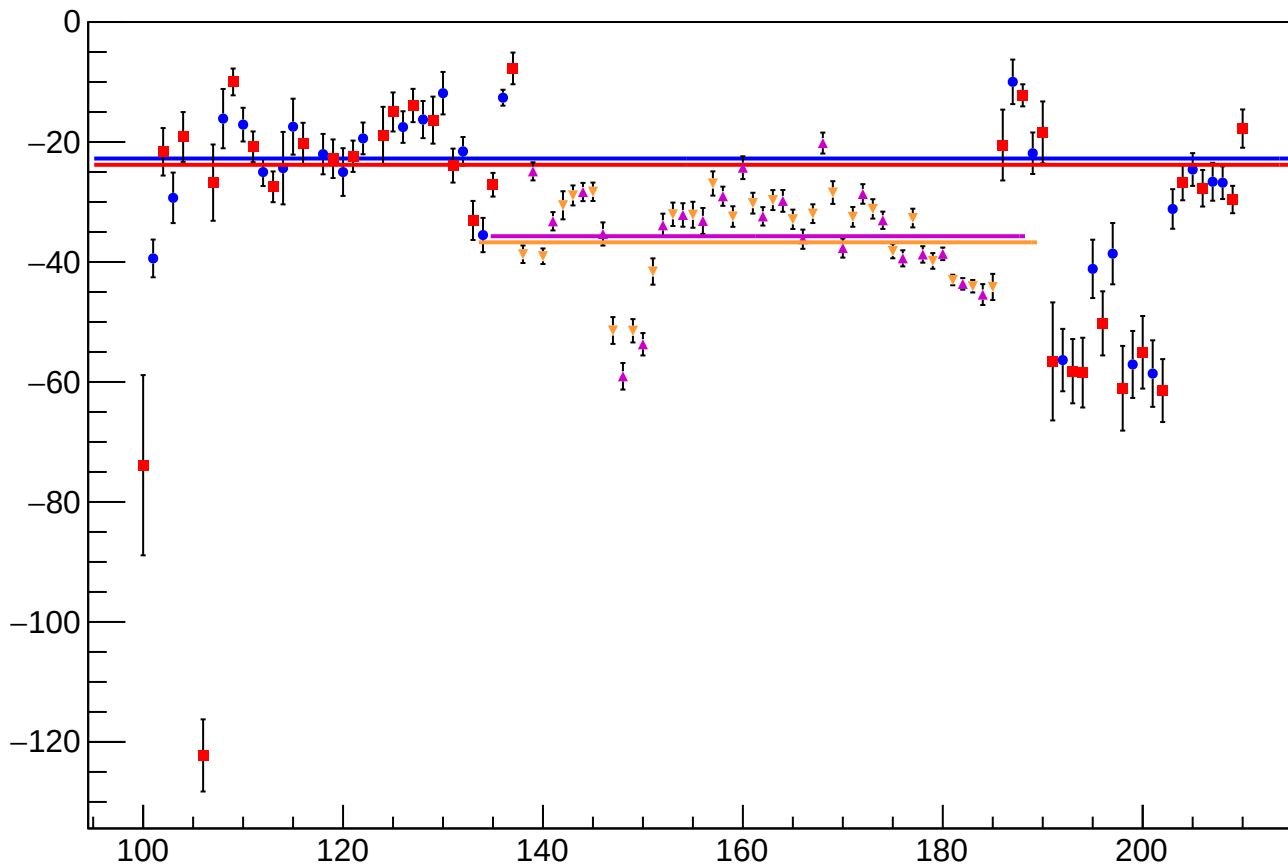
Left In: 0.560 ± 0.004 χ^2/NDF : 671.5/22

+ sign 0.563 ± 0.004 χ^2/NDF : 1514.4/51

All: 0.559 ± 0.003 χ^2/NDF : 4650.4/107

- sign 0.555 ± 0.004 χ^2/NDF : 3133.9/55

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -22.753 ± 0.590 χ^2/NDF : 304.8/26

Left Out: -36.724 ± 0.310 χ^2/NDF : 420.8/24

Right Out: -23.801 ± 0.574 χ^2/NDF : 668.8/32

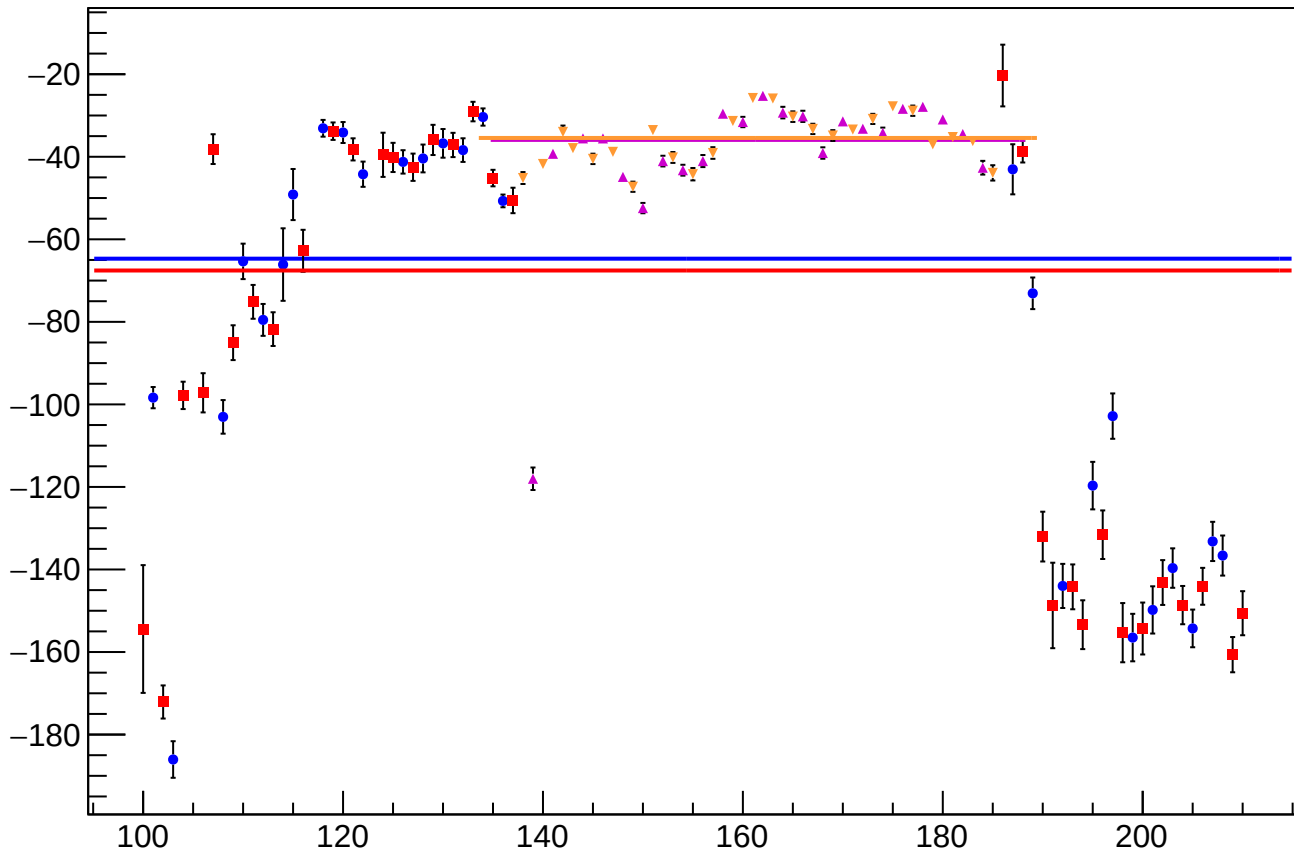
Left In: -35.706 ± 0.323 χ^2/NDF : 578.6/22

+ sign -33.701 ± 0.275 χ^2/NDF : 1164.6/51

All: -33.281 ± 0.197 χ^2/NDF : 2743.5/107

- sign -32.841 ± 0.282 χ^2/NDF : 1574.1/55

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -64.691 ± 0.642 χ^2/NDF : 3995.9/26

Left Out: -35.442 ± 0.245 χ^2/NDF : 537.8/24

Right Out: -67.557 ± 0.653 χ^2/NDF : 4768.7/32

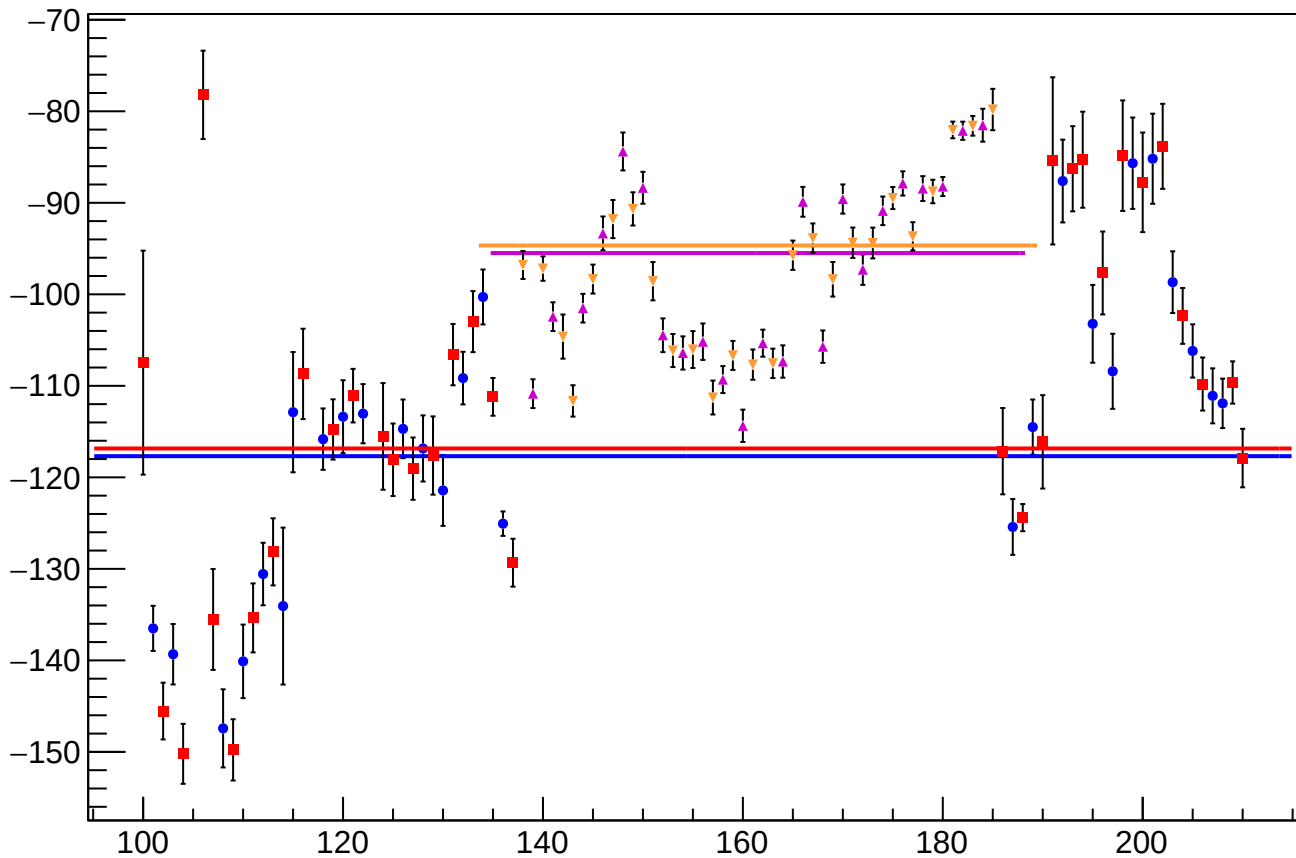
Left In: -35.913 ± 0.256 χ^2/NDF : 1543.1/22

+ sign -39.158 ± 0.229 χ^2/NDF : 6346.3/51

All: -39.623 ± 0.165 χ^2/NDF : 14700.2/107

- sign -40.129 ± 0.238 χ^2/NDF : 8345.3/55

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -117.687 ± 0.609 χ^2/NDF : 487.7/26

Left Out: -94.663 ± 0.310 χ^2/NDF : 900.1/24

Right Out: -116.845 ± 0.591 χ^2/NDF : 740.8/32

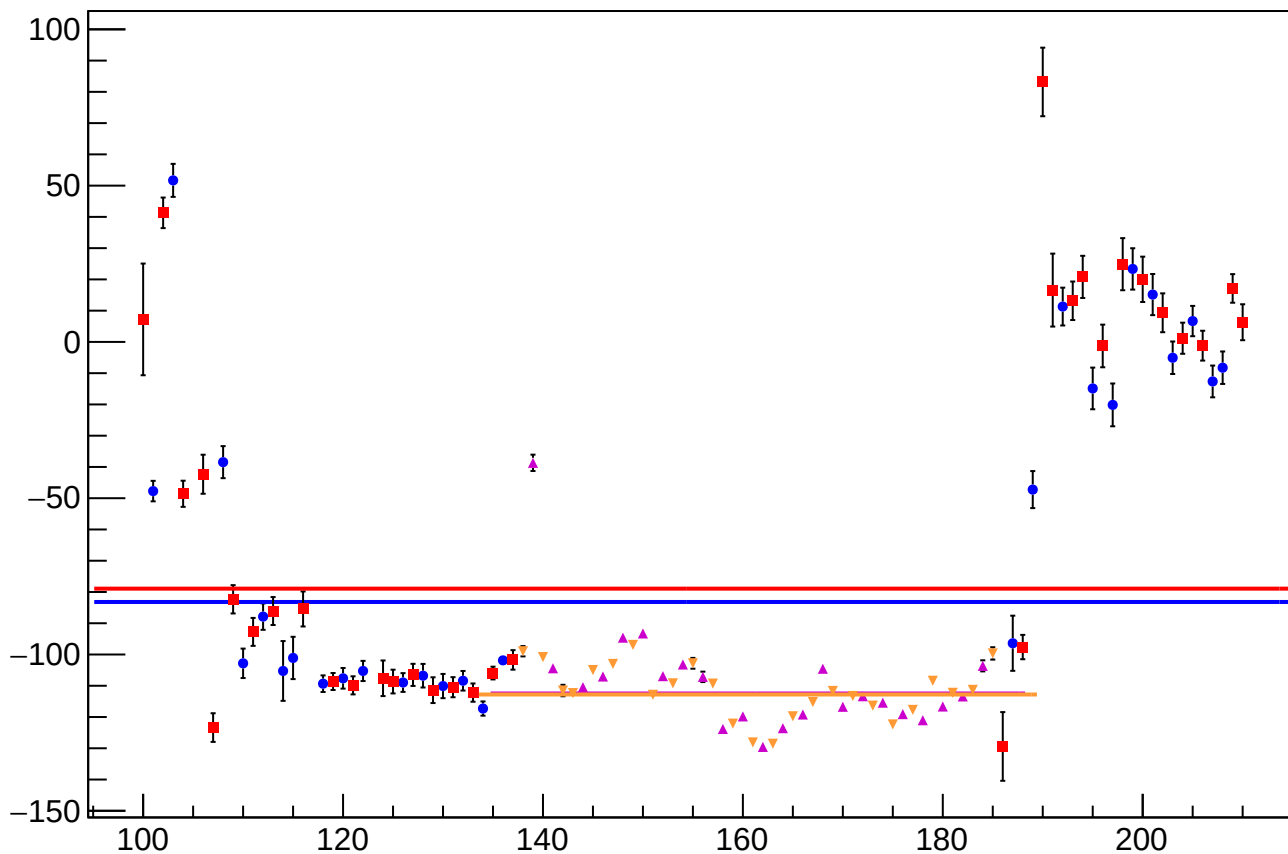
Left In: -95.489 ± 0.321 χ^2/NDF : 970.1/22

+ sign -99.394 ± 0.276 χ^2/NDF : 2522.5/51

All: -99.862 ± 0.197 χ^2/NDF : 5246.0/107

- sign -100.352 ± 0.282 χ^2/NDF : 2717.6/55

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -83.195 ± 0.725 $\chi^2/\text{NDF}: 3596.6/26$

Left Out: -112.794 ± 0.274 $\chi^2/\text{NDF}: 936.4/24$

Right Out: -78.929 ± 0.748 $\chi^2/\text{NDF}: 4351.0/32$

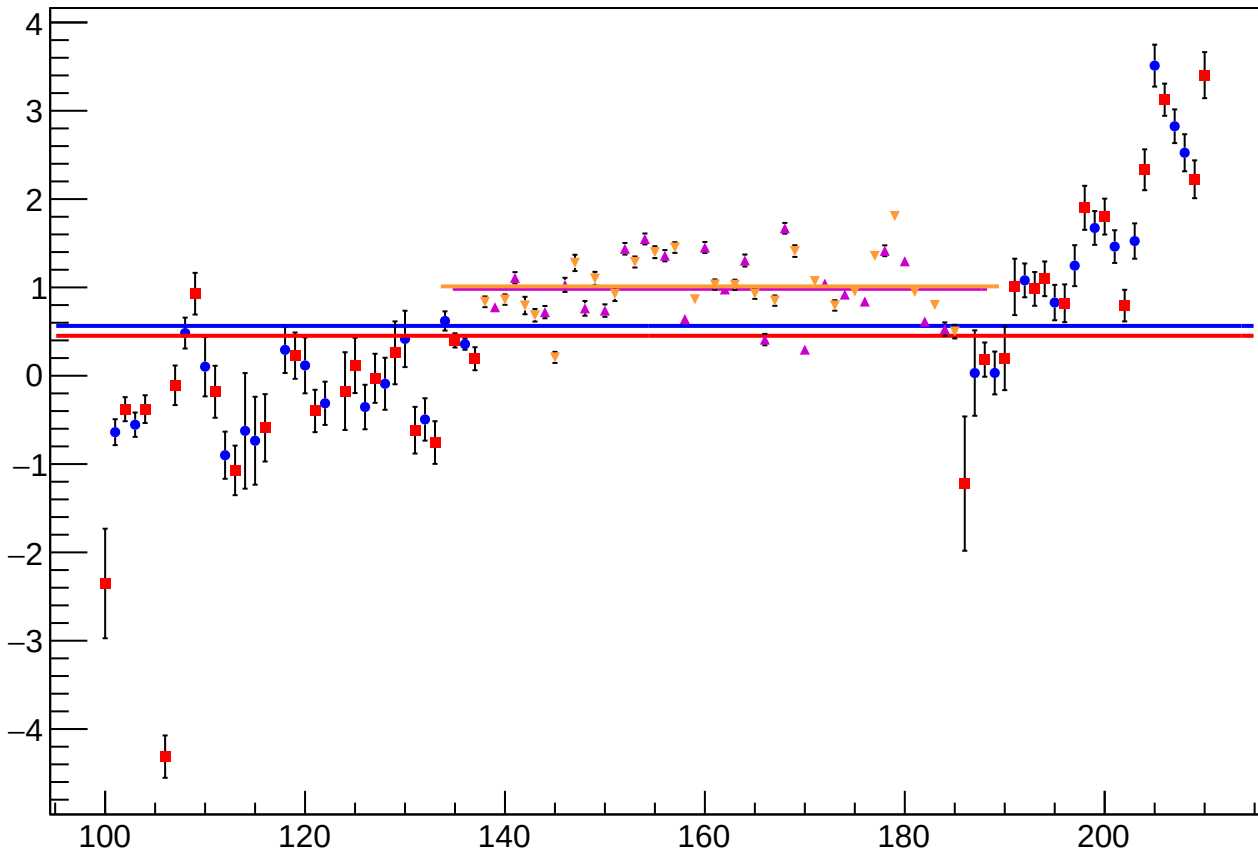
Left In: -112.465 ± 0.285 $\chi^2/\text{NDF}: 1788.6/22$

+ sign -109.091 ± 0.256 $\chi^2/\text{NDF}: 5992.4/51$

All: -108.669 ± 0.185 $\chi^2/\text{NDF}: 13895.1/107$

- sign -108.214 ± 0.266 $\chi^2/\text{NDF}: 7897.1/55$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.564 ± 0.035 $\chi^2/\text{NDF}: 725.3/26$

Left Out: 1.012 ± 0.012 $\chi^2/\text{NDF}: 691.2/24$

Right Out: 0.452 ± 0.036 $\chi^2/\text{NDF}: 1189.6/32$

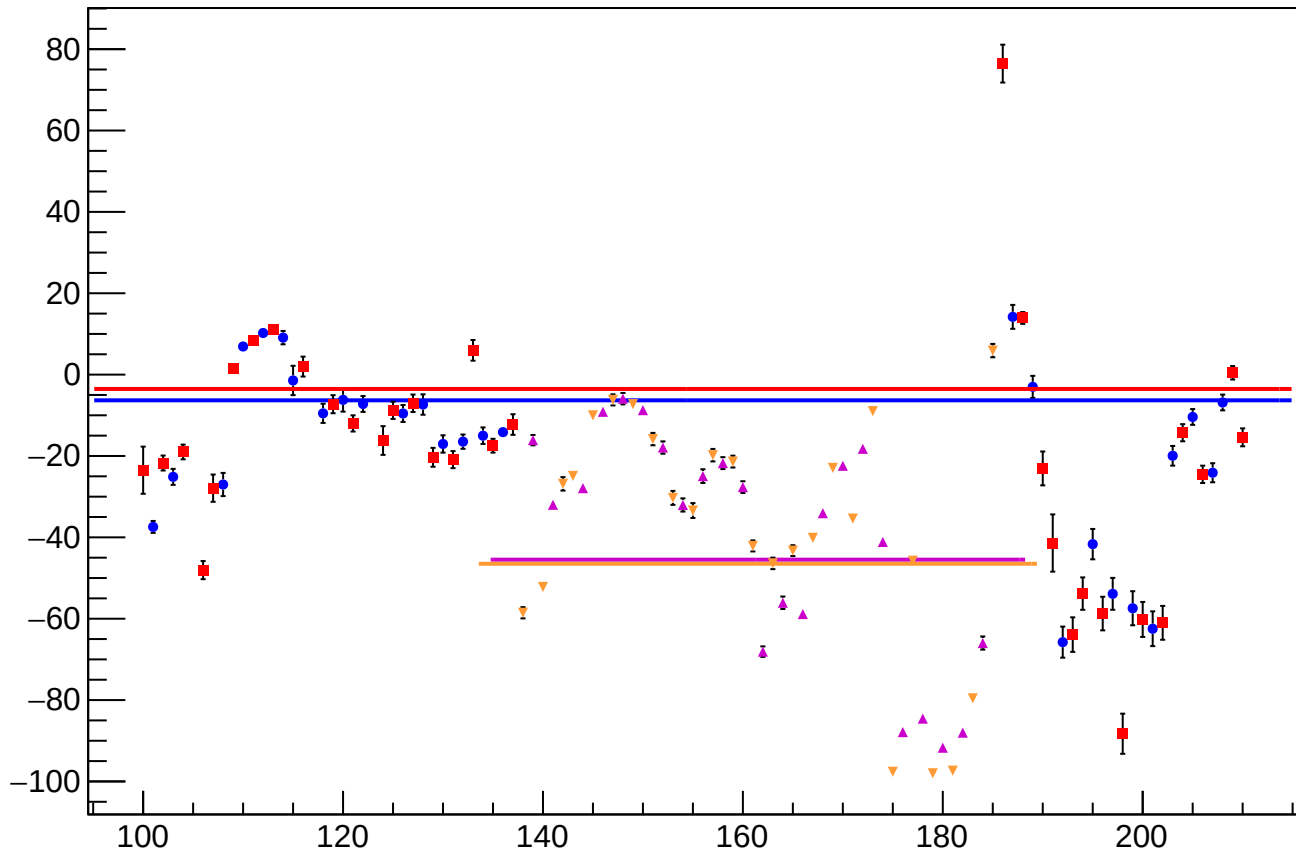
Left In: 0.984 ± 0.013 $\chi^2/\text{NDF}: 900.0/22$

+ sign 0.962 ± 0.012 $\chi^2/\text{NDF}: 1564.3/51$

All: 0.945 ± 0.008 $\chi^2/\text{NDF}: 3853.8/107$

- sign 0.927 ± 0.012 $\chi^2/\text{NDF}: 2284.9/55$

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -6.319 ± 0.343 χ^2/NDF : 2529.4/26

Left Out: -46.493 ± 0.230 χ^2/NDF : 20046.7/24

Right Out: -3.525 ± 0.306 χ^2/NDF : 3409.3/32

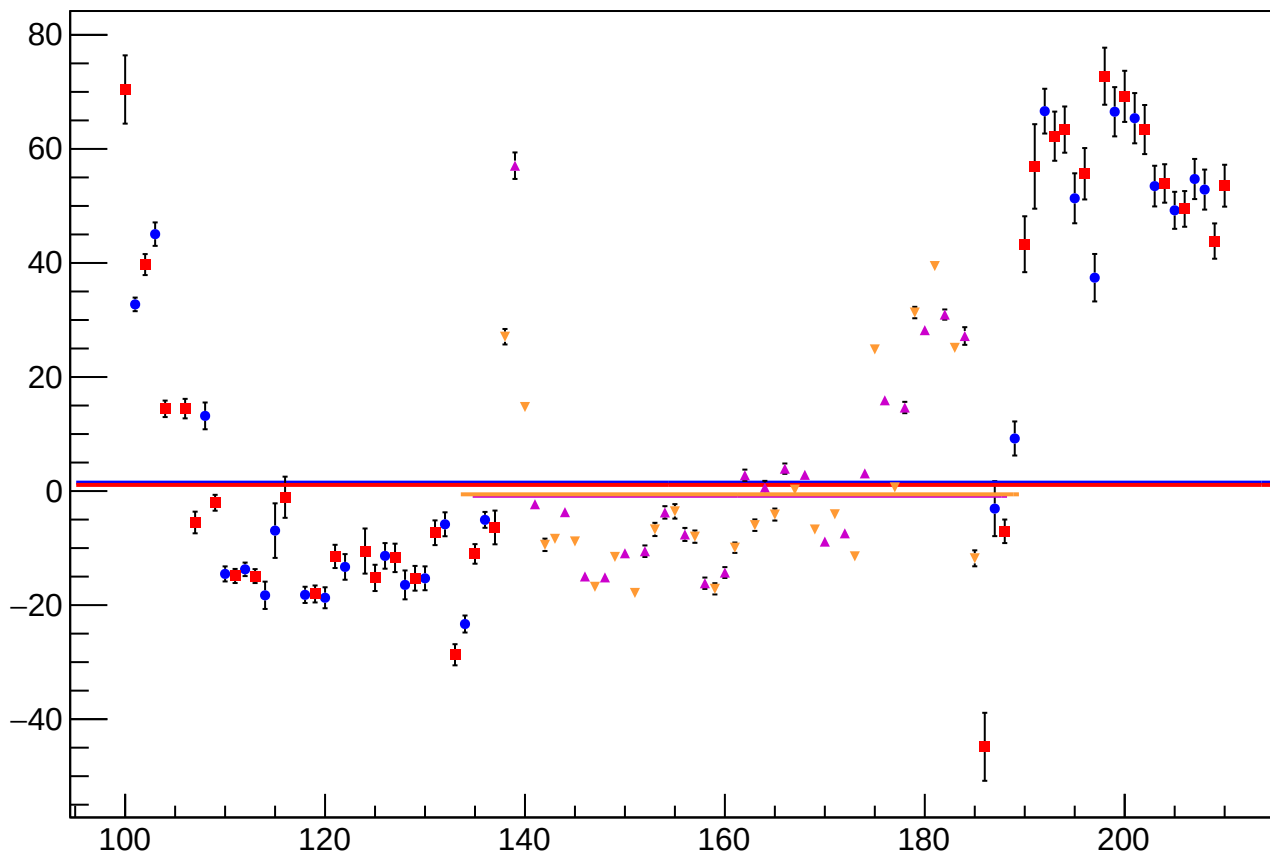
Left In: -45.487 ± 0.238 χ^2/NDF : 15571.1/22

+ sign -34.027 ± 0.191 χ^2/NDF : 32036.1/51

All: -31.824 ± 0.134 χ^2/NDF : 63005.7/107

- sign -29.697 ± 0.188 χ^2/NDF : 30708.3/55

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 1.478 ± 0.403 χ^2/NDF : 4152.3/26

Left Out: -0.572 ± 0.177 χ^2/NDF : 8451.5/24

Right Out: 1.083 ± 0.389 χ^2/NDF : 4066.5/32

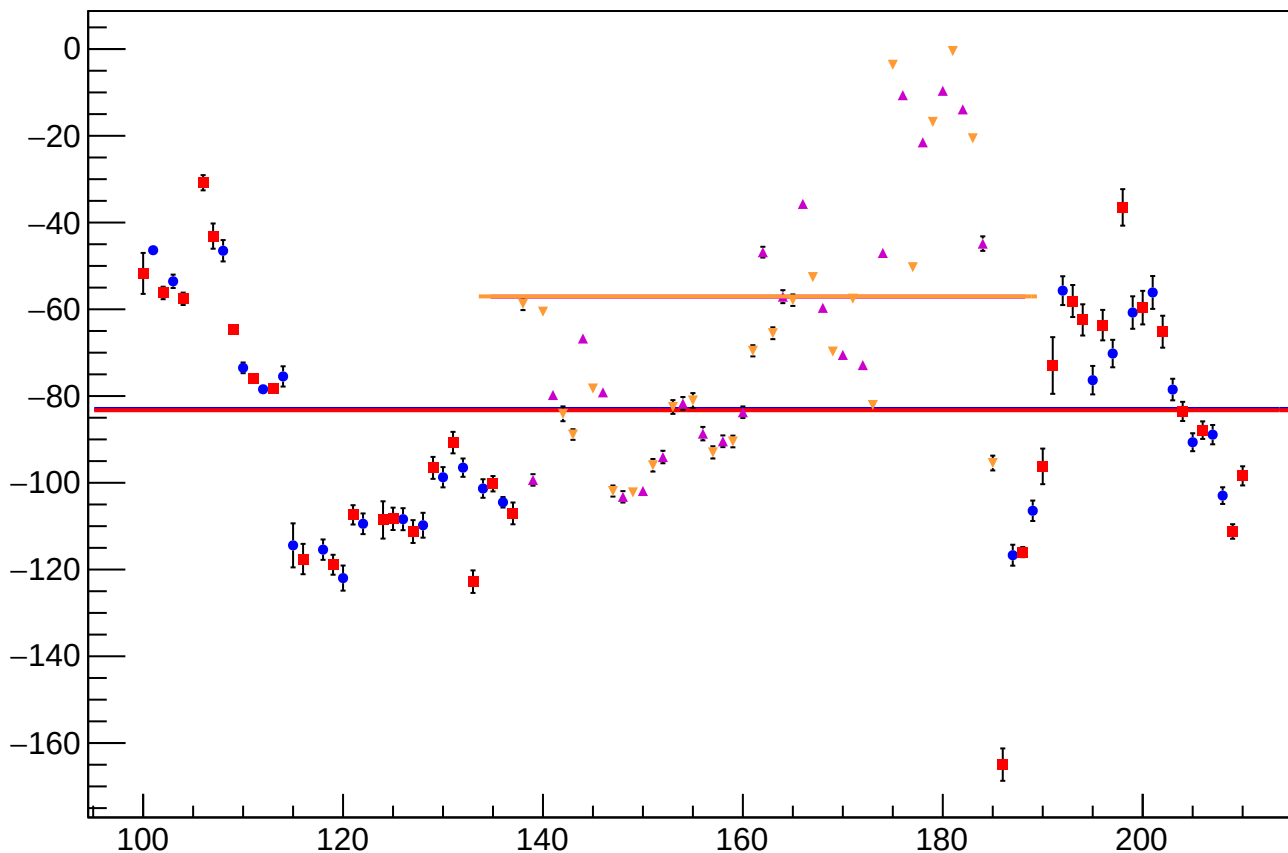
Left In: -0.828 ± 0.183 χ^2/NDF : 6116.6/22

+ sign -0.240 ± 0.162 χ^2/NDF : 12625.4/51

All: -0.358 ± 0.116 χ^2/NDF : 22829.4/107

- sign -0.482 ± 0.166 χ^2/NDF : 10202.9/55

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -82.983 ± 0.382 χ^2/NDF : 3488.3/26

Left Out: -57.029 ± 0.230 χ^2/NDF : 20309.3/24

Right Out: -83.270 ± 0.352 χ^2/NDF : 5228.6/32

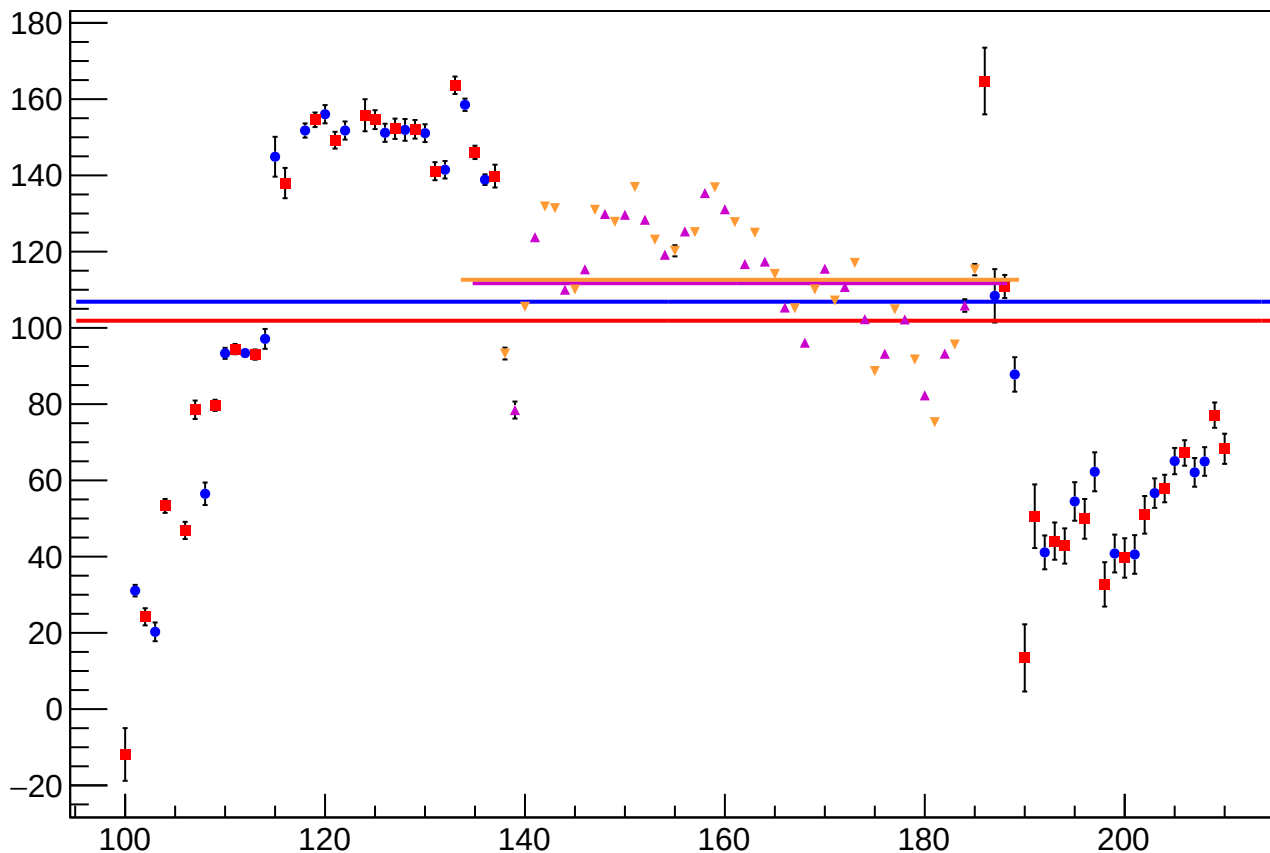
Left In: -57.091 ± 0.237 χ^2/NDF : 17167.8/22

+ sign -63.924 ± 0.197 χ^2/NDF : 27184.1/51

All: -64.586 ± 0.139 χ^2/NDF : 53415.6/107

- sign -65.243 ± 0.196 χ^2/NDF : 26209.1/55

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 106.863 ± 0.459 $\chi^2/\text{NDF}: 9719.4/26$

Left Out: 112.625 ± 0.200 $\chi^2/\text{NDF}: 6708.0/24$

Right Out: 101.880 ± 0.445 $\chi^2/\text{NDF}: 9060.9/32$

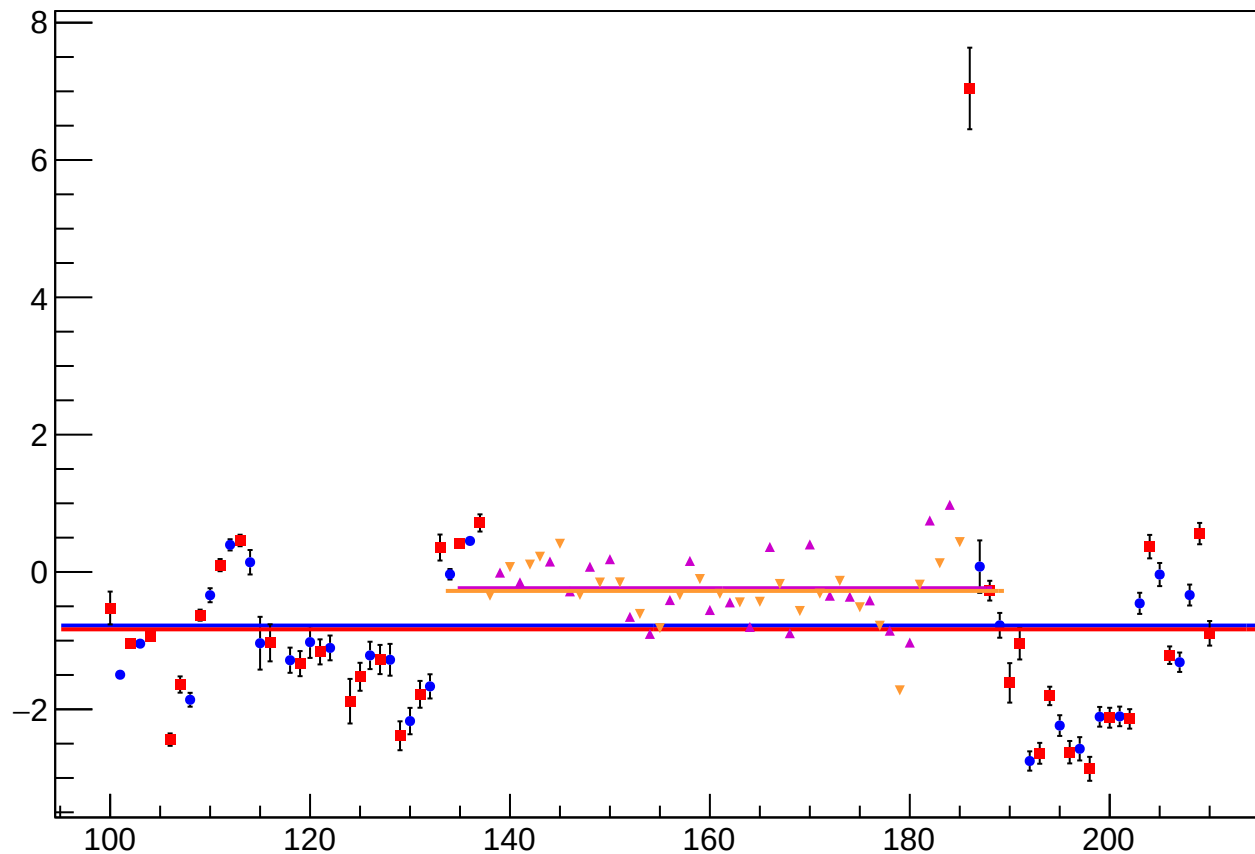
Left In: 111.720 ± 0.206 $\chi^2/\text{NDF}: 4896.8/22$

+ sign 111.705 ± 0.183 $\chi^2/\text{NDF}: 16560.0/51$

All: 110.860 ± 0.131 $\chi^2/\text{NDF}: 30964.0/107$

- sign 109.982 ± 0.187 $\chi^2/\text{NDF}: 14360.7/55$

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.780 ± 0.023 χ^2/NDF : 1789.7/26

Left Out: -0.276 ± 0.009 χ^2/NDF : 2122.4/24

Right Out: -0.836 ± 0.022 χ^2/NDF : 2316.8/32

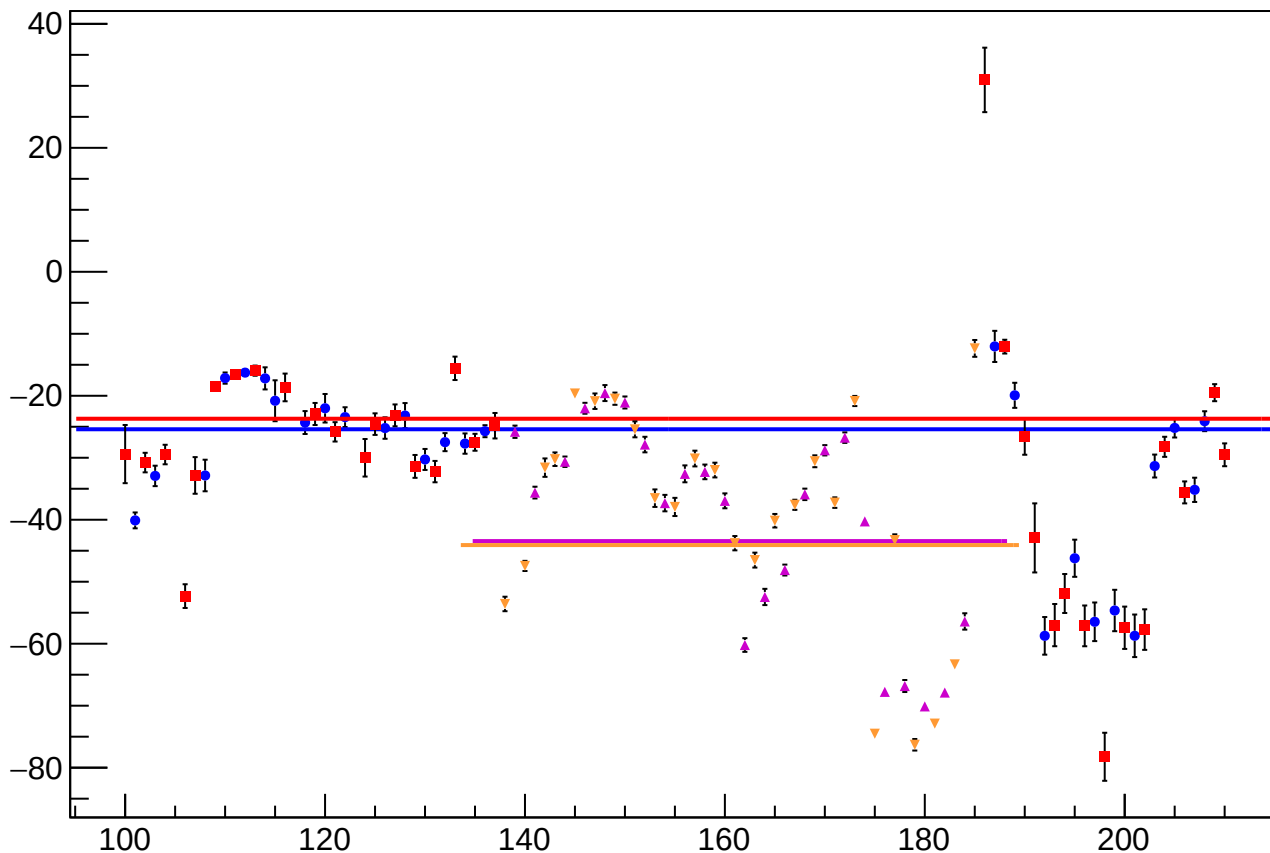
Left In: -0.236 ± 0.009 χ^2/NDF : 2961.3/22

+ sign -0.344 ± 0.008 χ^2/NDF : 4338.6/51

All: -0.335 ± 0.006 χ^2/NDF : 10256.8/107

- sign -0.326 ± 0.008 χ^2/NDF : 5916.0/55

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.404 ± 0.309 χ^2/NDF : 943.7/26

Left Out: -44.087 ± 0.193 χ^2/NDF : 10340.4/24

Right Out: -23.705 ± 0.281 χ^2/NDF : 1557.4/32

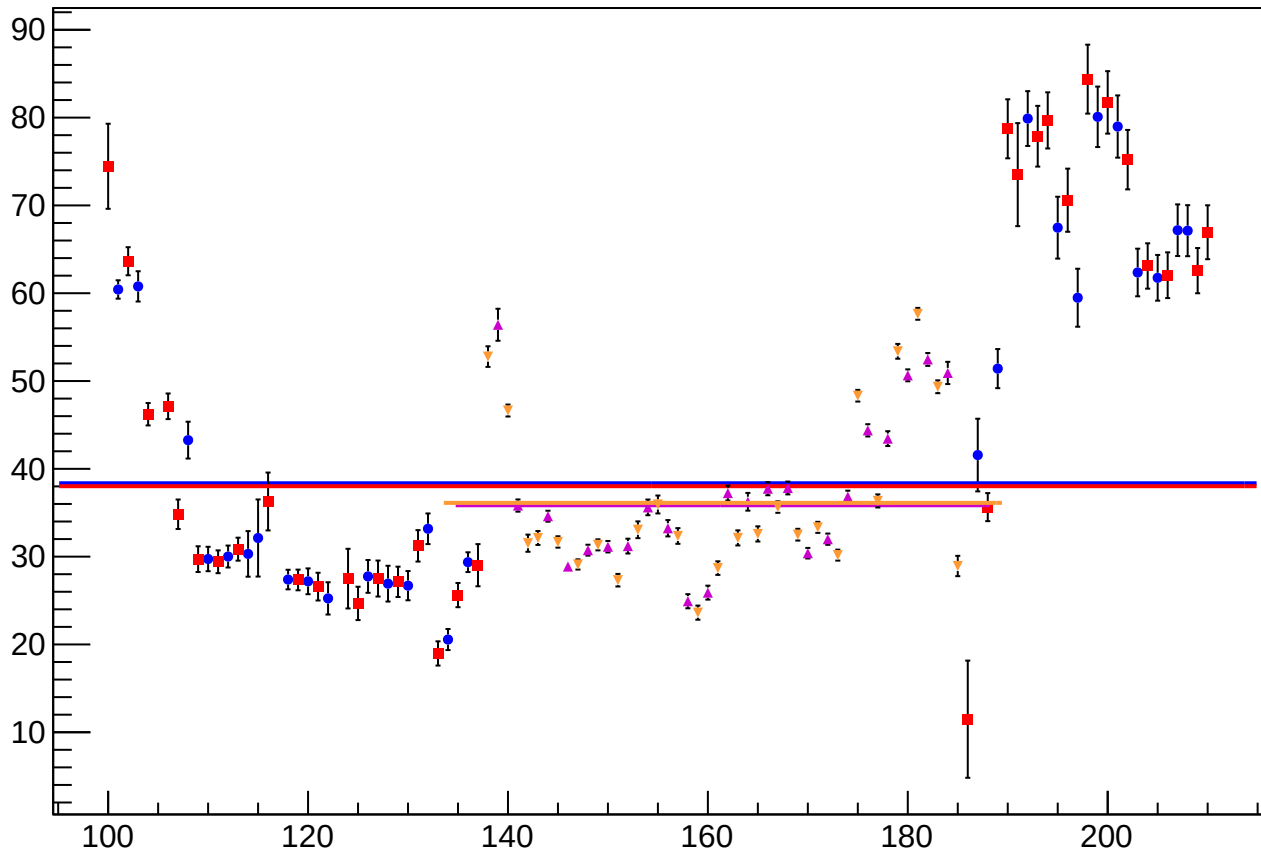
Left In: -43.444 ± 0.199 χ^2/NDF : 7820.5/22

+ sign -38.832 ± 0.164 χ^2/NDF : 13918.9/51

All: -37.833 ± 0.115 χ^2/NDF : 26666.7/107

- sign -36.851 ± 0.162 χ^2/NDF : 12673.8/55

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 38.356 $\pm$ 0.347 χ^2 /NDF: 2277.6/26

Left Out: 36.123 $\pm$ 0.150 χ^2 /NDF: 3558.5/24

Right Out: 38.021 $\pm$ 0.337 χ^2 /NDF: 2419.2/32

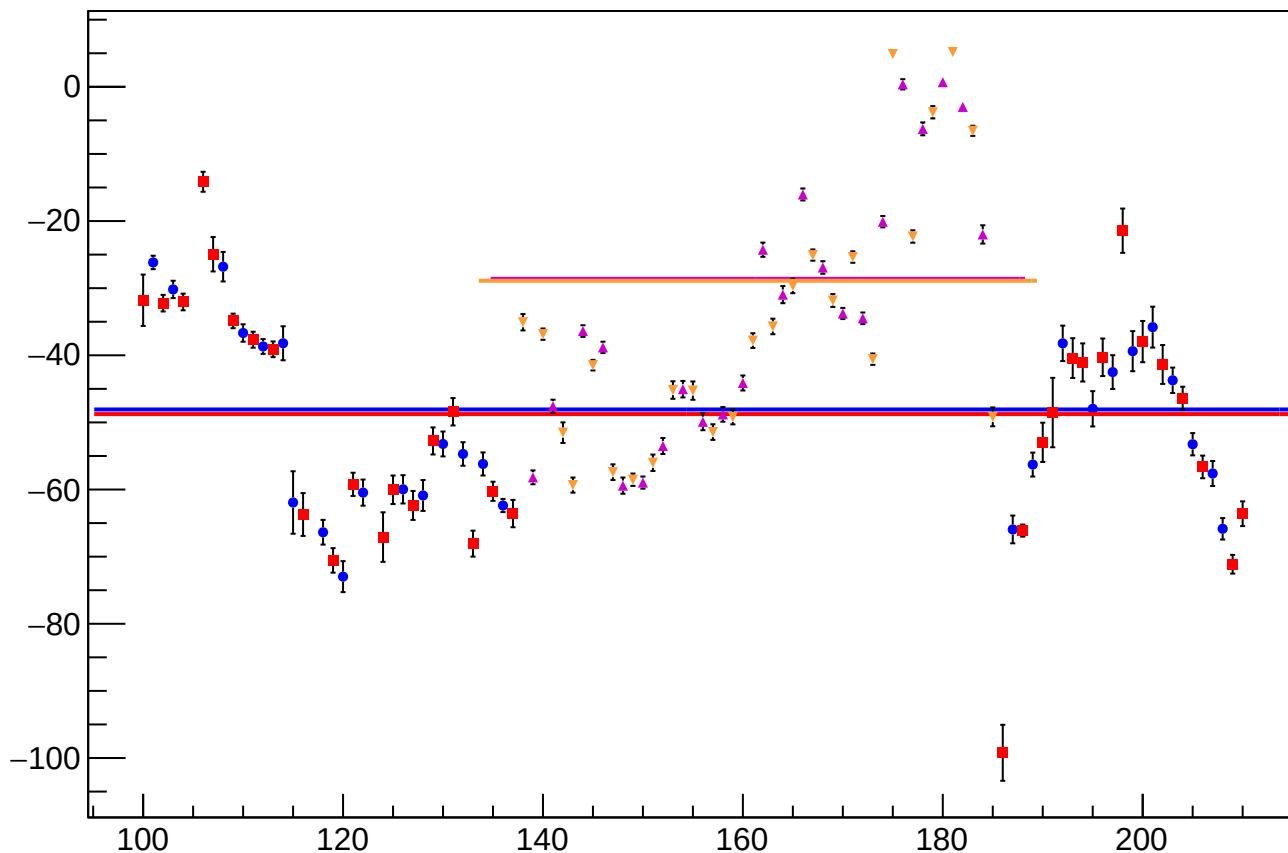
Left In: 35.852 $\pm$ 0.155 χ^2 /NDF: 2293.5/22

+ sign 36.475 $\pm$ 0.138 χ^2 /NDF: 5871.1/51

All: 36.355 $\pm$ 0.098 χ^2 /NDF: 10619.6/107

- sign 36.230 $\pm$ 0.141 χ^2 /NDF: 4746.9/55

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -48.072 ± 0.331 χ^2/NDF : 1818.6/26

Left Out: -28.891 ± 0.193 χ^2/NDF : 11798.4/24

Right Out: -48.760 ± 0.307 χ^2/NDF : 2819.1/32

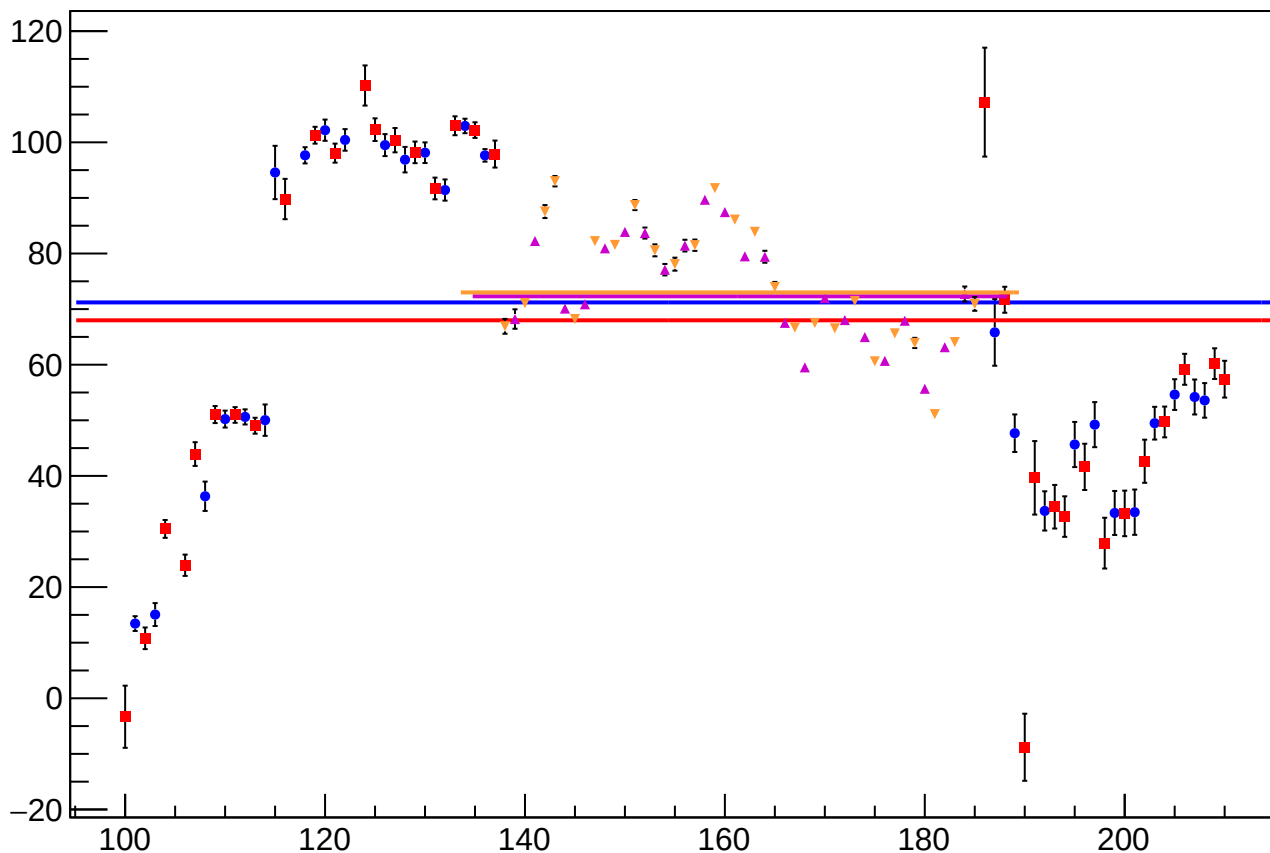
Left In: -28.605 ± 0.198 χ^2/NDF : 10014.7/22

+ sign -33.745 ± 0.167 χ^2/NDF : 16122.5/51

All: -34.134 ± 0.118 χ^2/NDF : 32016.6/107

- sign -34.522 ± 0.166 χ^2/NDF : 15883.2/55

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 71.204 $\pm$ 0.396 χ^2 /NDF: 6469.3/26

Left Out: 73.002 $\pm$ 0.168 χ^2 /NDF: 4052.4/24

Right Out: 67.986 $\pm$ 0.389 χ^2 /NDF: 6364.7/32

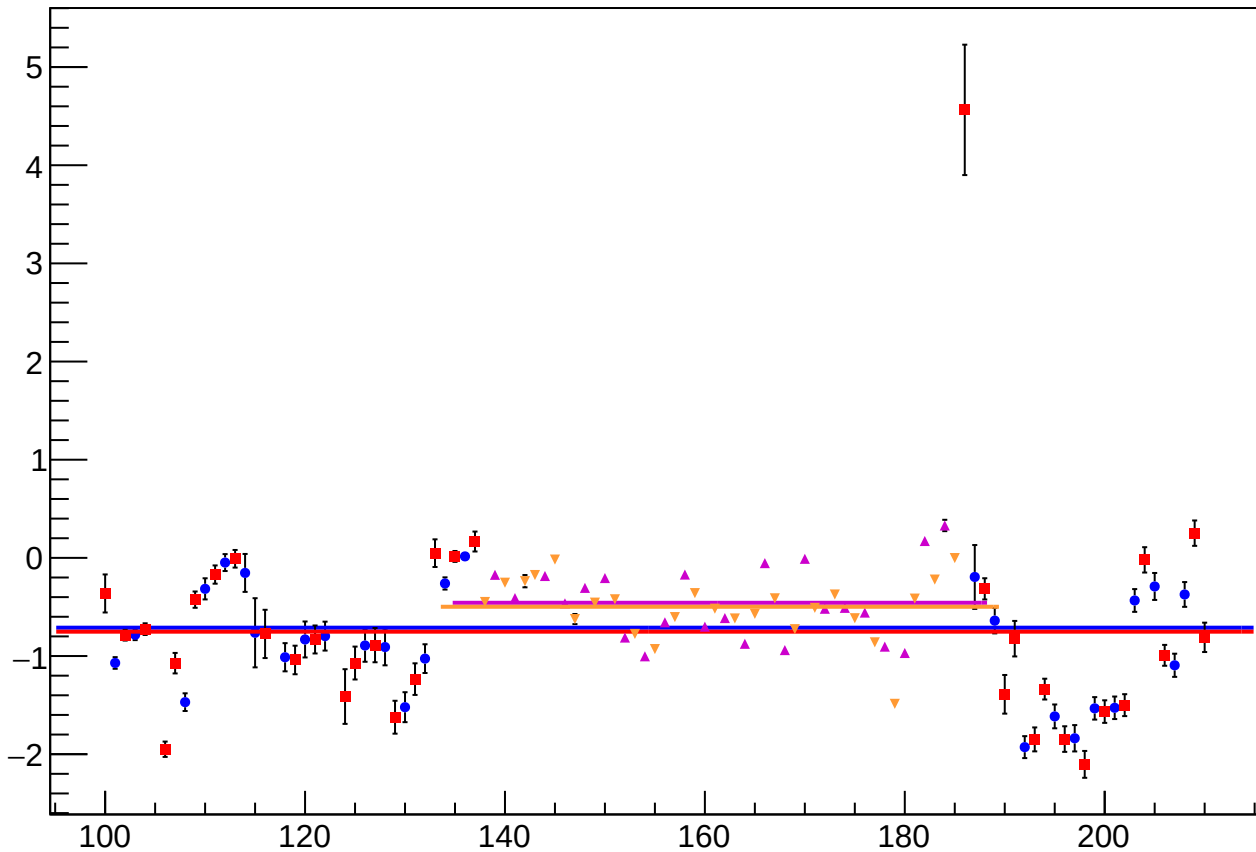
Left In: 72.302 $\pm$ 0.173 χ^2 /NDF: 2912.6/22

+ sign 72.727 $\pm$ 0.155 χ^2 /NDF: 10539.1/51

All: 72.168 $\pm$ 0.111 χ^2 /NDF: 19945.7/107

- sign 71.586 $\pm$ 0.158 χ^2 /NDF: 9380.1/55

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.711 ± 0.019 χ^2/NDF : 919.7/26

Left Out: -0.498 ± 0.008 χ^2/NDF : 1482.9/24

Right Out: -0.752 ± 0.019 χ^2/NDF : 1290.3/32

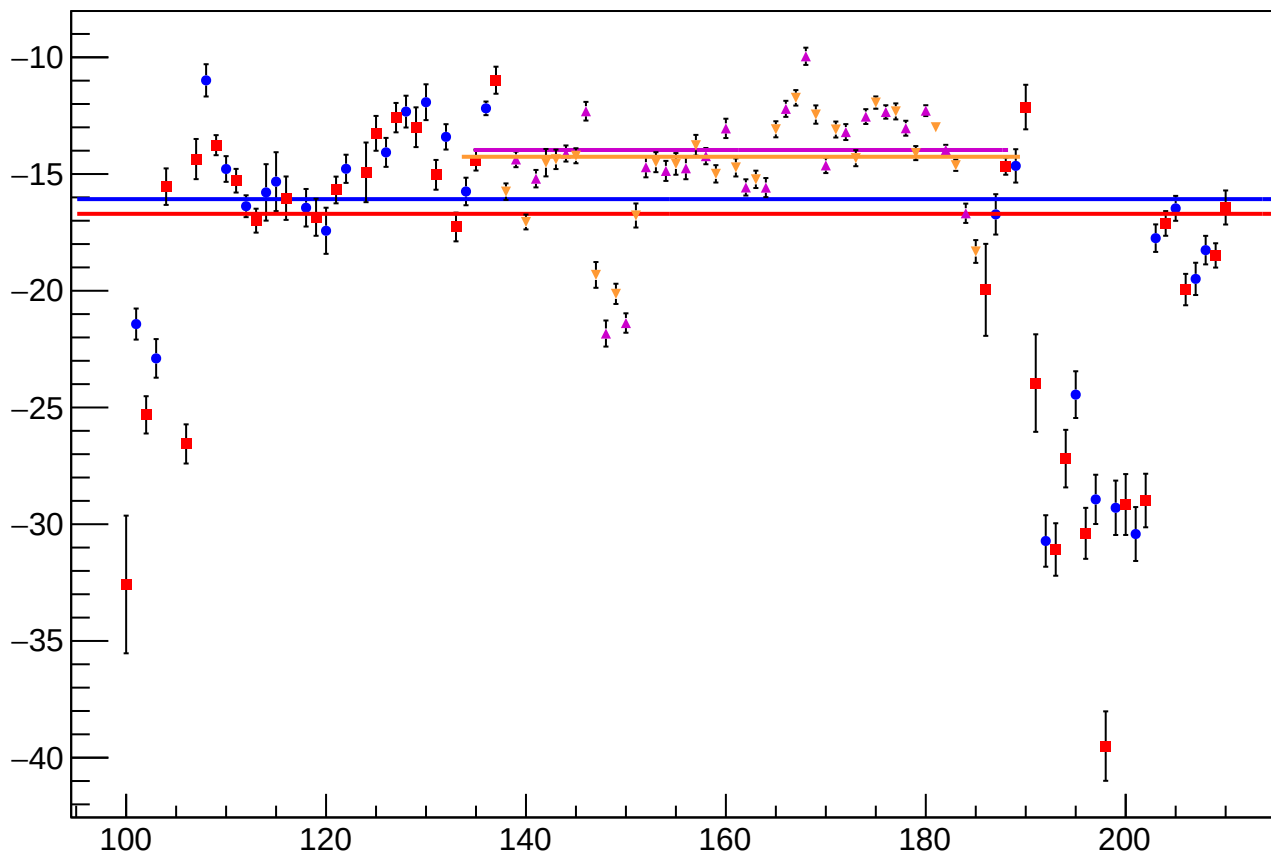
Left In: -0.458 ± 0.008 χ^2/NDF : 2103.1/22

+ sign -0.526 ± 0.007 χ^2/NDF : 2509.3/51

All: -0.513 ± 0.005 χ^2/NDF : 6121.4/107

- sign -0.500 ± 0.007 χ^2/NDF : 3605.0/55

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.075±/0.126 χ^2/NDF : 1200.2/26

Left Out: -14.261±/0.070 χ^2/NDF : 724.0/24

Right Out: -16.705±/0.120 χ^2/NDF : 1507.1/32

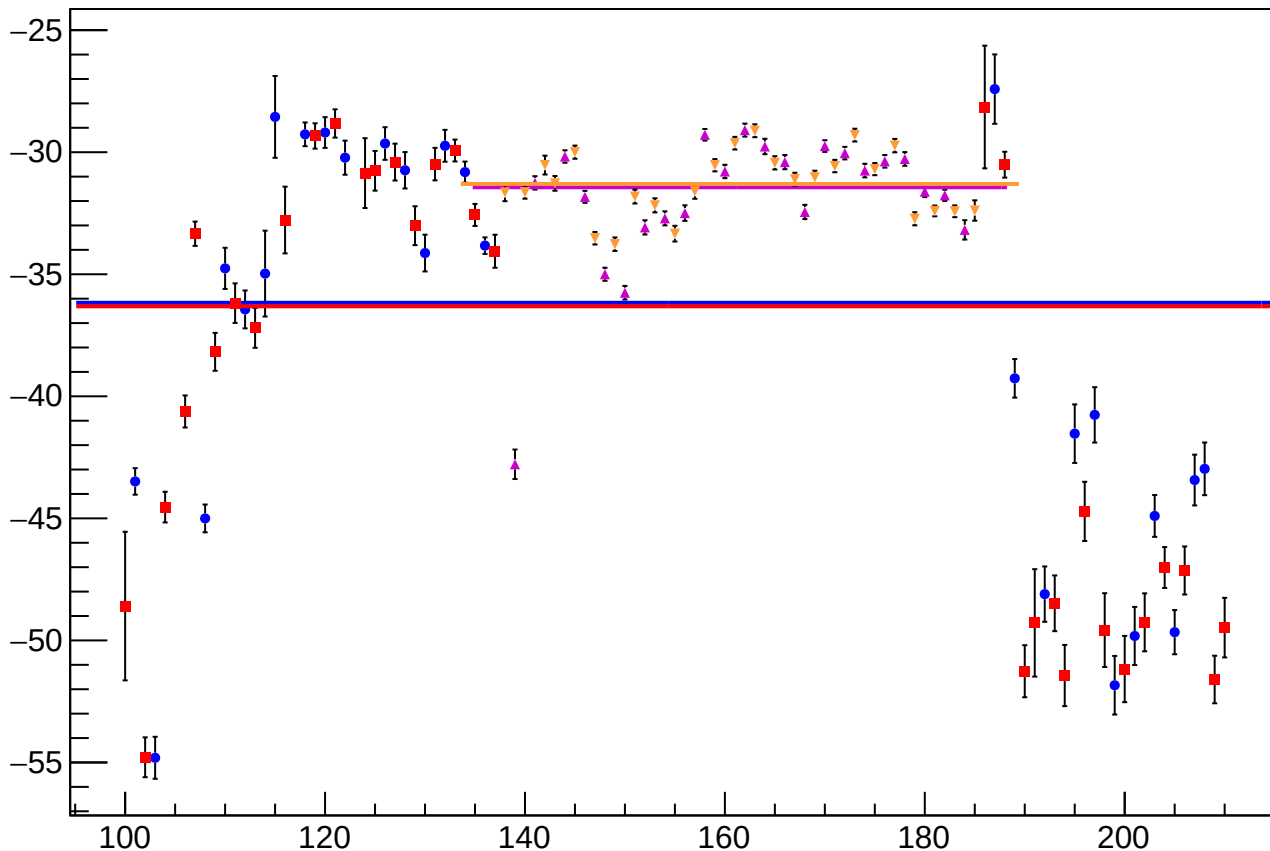
Left In: -13.970±/0.072 χ^2/NDF : 907.7/22

+ sign -14.688±/0.061 χ^2/NDF : 2083.8/51

All: -14.688±/0.043 χ^2/NDF : 4878.5/107

- sign -14.688±/0.062 χ^2/NDF : 2794.7/55

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.168 ± 0.138 $\chi^2/\text{NDF}: 2682.8/26$

Left Out: -31.301 ± 0.055 $\chi^2/\text{NDF}: 553.1/24$

Right Out: -36.313 ± 0.135 $\chi^2/\text{NDF}: 3271.4/32$

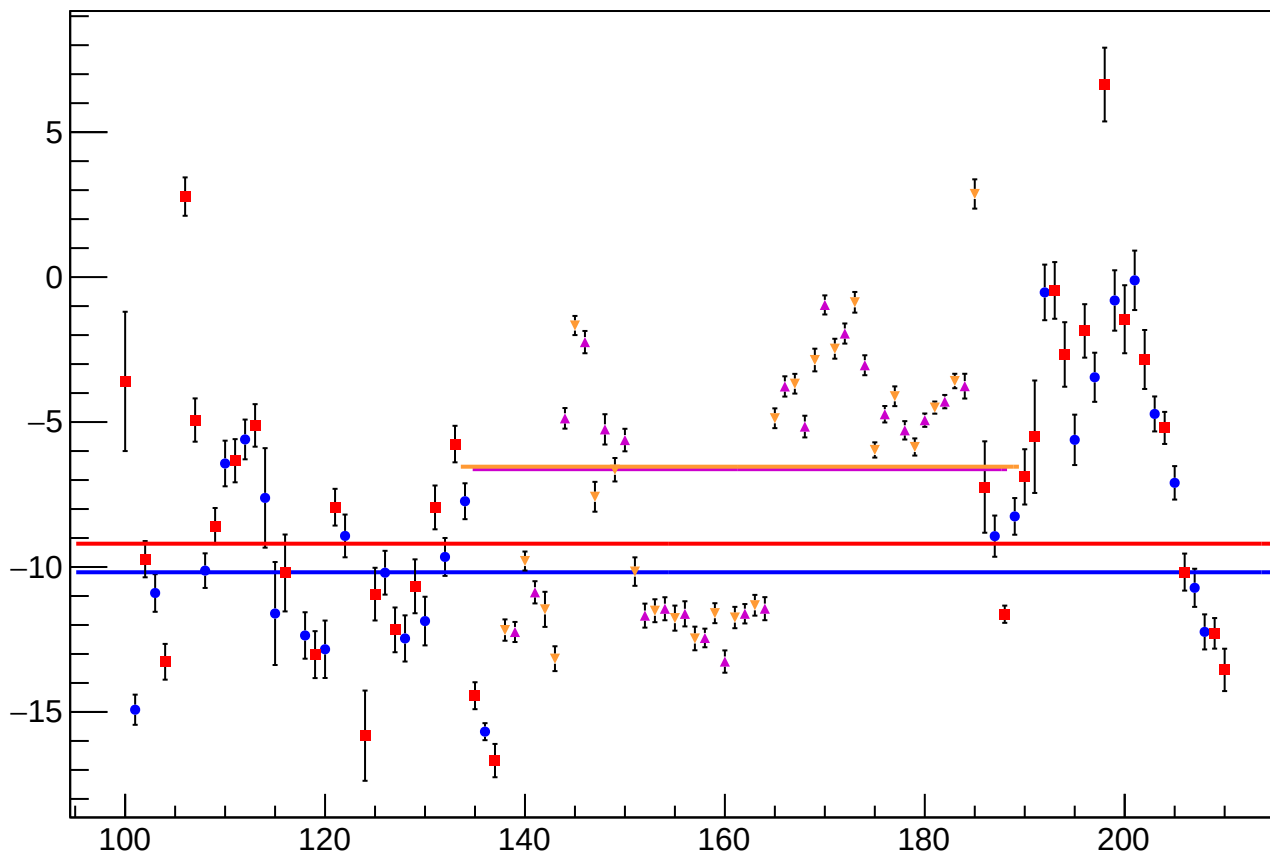
Left In: -31.436 ± 0.057 $\chi^2/\text{NDF}: 1214.8/22$

+ sign -31.975 ± 0.051 $\chi^2/\text{NDF}: 4311.4/51$

All: -32.075 ± 0.037 $\chi^2/\text{NDF}: 9911.2/107$

- sign -32.180 ± 0.053 $\chi^2/\text{NDF}: 5591.9/55$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.181 ± 0.129 χ^2/NDF : 1056.1/26

Left Out: -6.540 ± 0.070 χ^2/NDF : 3242.5/24

Right Out: -9.196 ± 0.123 χ^2/NDF : 1469.1/32

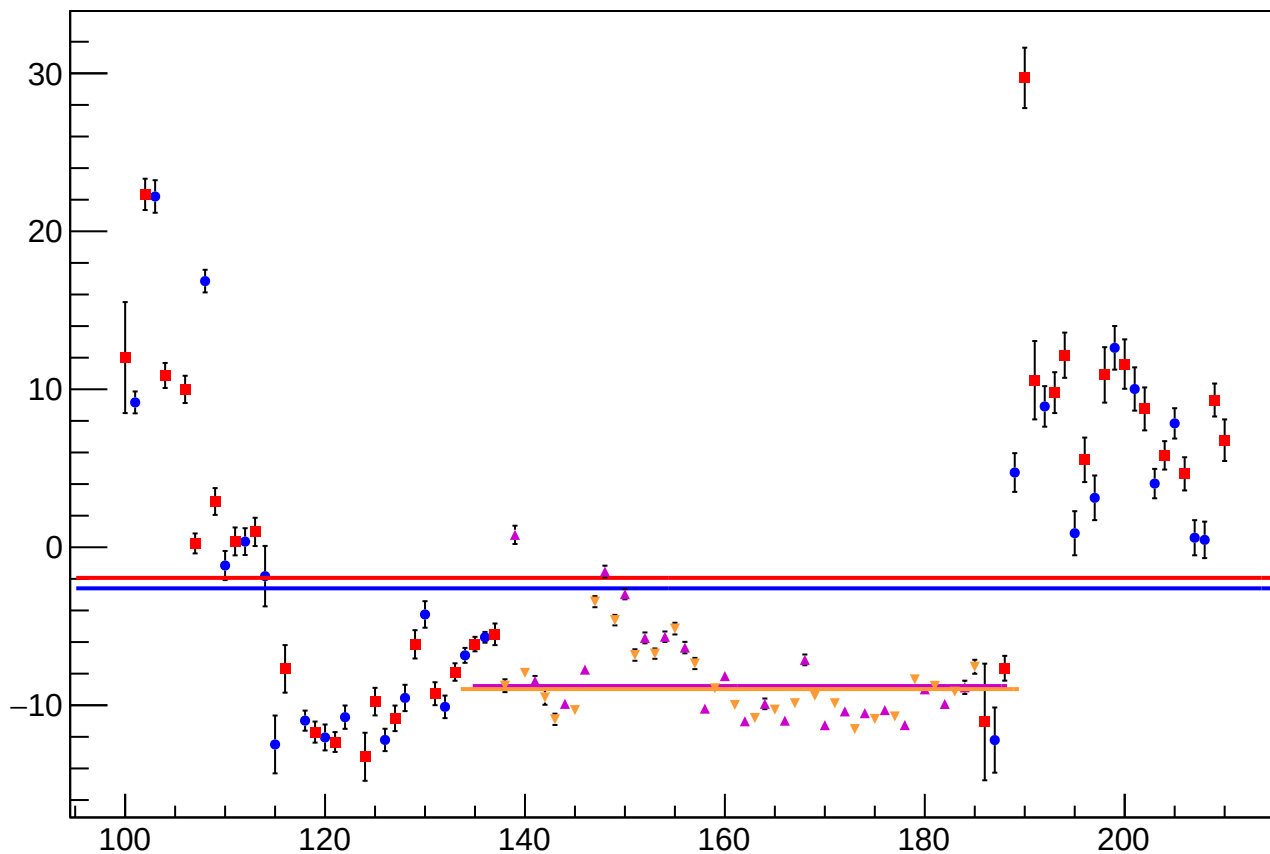
Left In: -6.625 ± 0.071 χ^2/NDF : 2908.0/22

+ sign -7.358 ± 0.061 χ^2/NDF : 4915.0/51

All: -7.317 ± 0.043 χ^2/NDF : 9620.3/107

- sign -7.275 ± 0.062 χ^2/NDF : 4704.4/55

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -2.599 ± 0.156 χ^2/NDF : 3159.2/26

Left Out: -8.977 ± 0.061 χ^2/NDF : 972.0/24

Right Out: -1.937 ± 0.156 χ^2/NDF : 3270.5/32

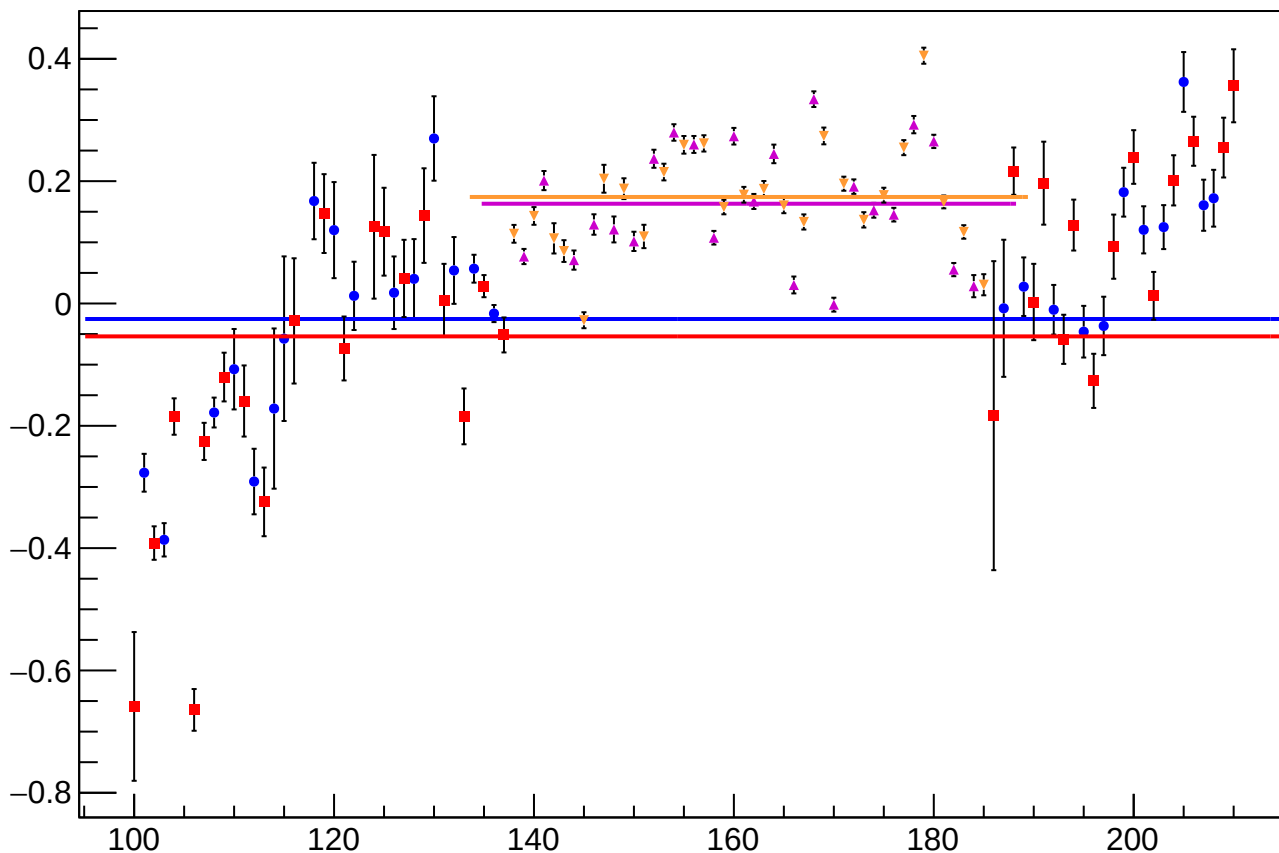
Left In: -8.785 ± 0.063 χ^2/NDF : 1685.0/22

+ sign -8.119 ± 0.057 χ^2/NDF : 5581.5/51

All: -7.972 ± 0.041 χ^2/NDF : 12197.6/107

- sign -7.818 ± 0.059 χ^2/NDF : 6602.7/55

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.025±/0.007 χ^2/NDF : 518.2/26

Left Out: 0.174±/0.003 χ^2/NDF :922.9/24

Right Out: -0.054±/0.007 χ^2/NDF : 964.5/32

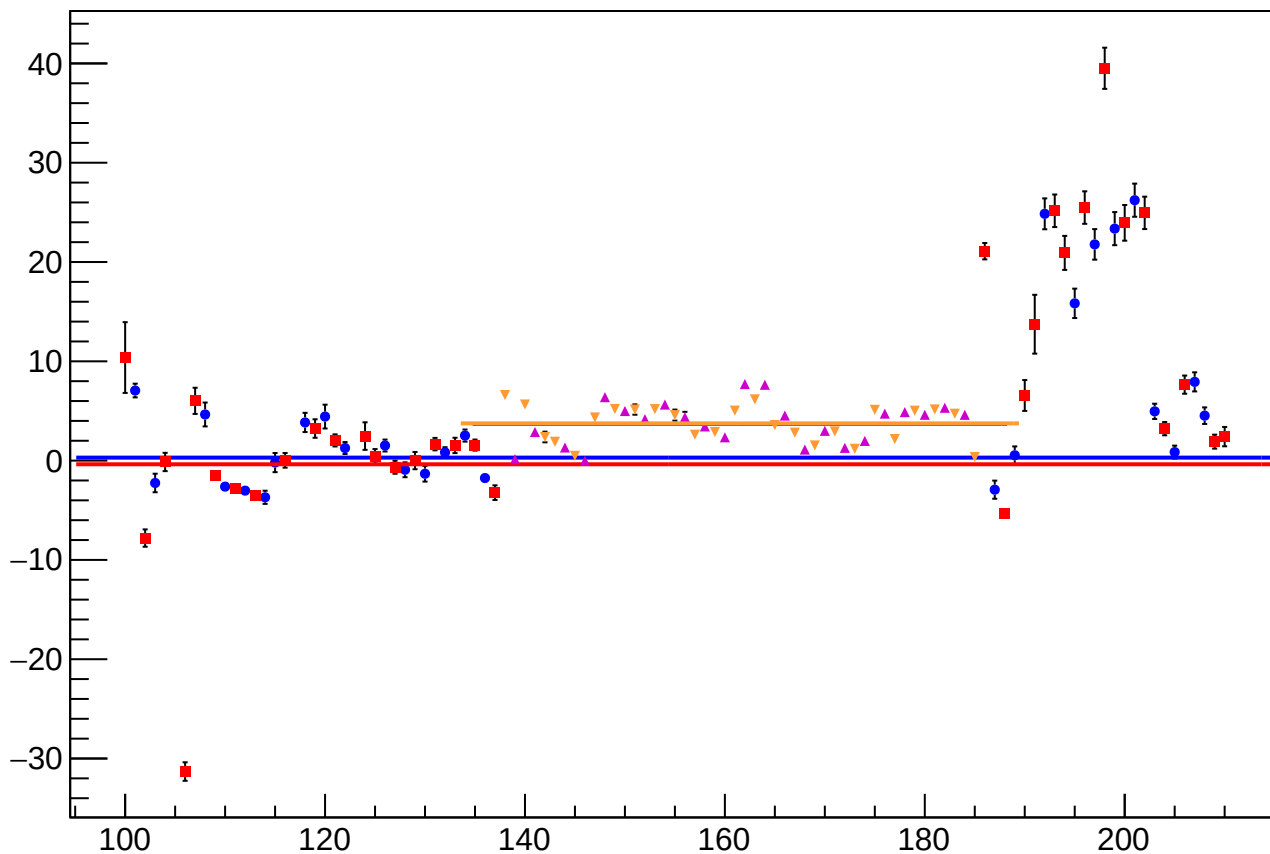
Left In: 0.163±/0.003 χ^2/NDF :1195.1/22

+ sign 0.149±/0.003 χ^2/NDF : 2112.4/51

All: 0.143±/0.002 χ^2/NDF : 5045.5/107

- sign 0.136±/0.003 χ^2/NDF : 2920.2/55

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.302 ± 0.124 χ^2/NDF : 1582.3/26

Left Out: 3.750 ± 0.062 χ^2/NDF : 809.8/24

Right Out: -0.368 ± 0.115 χ^2/NDF : 3860.5/32

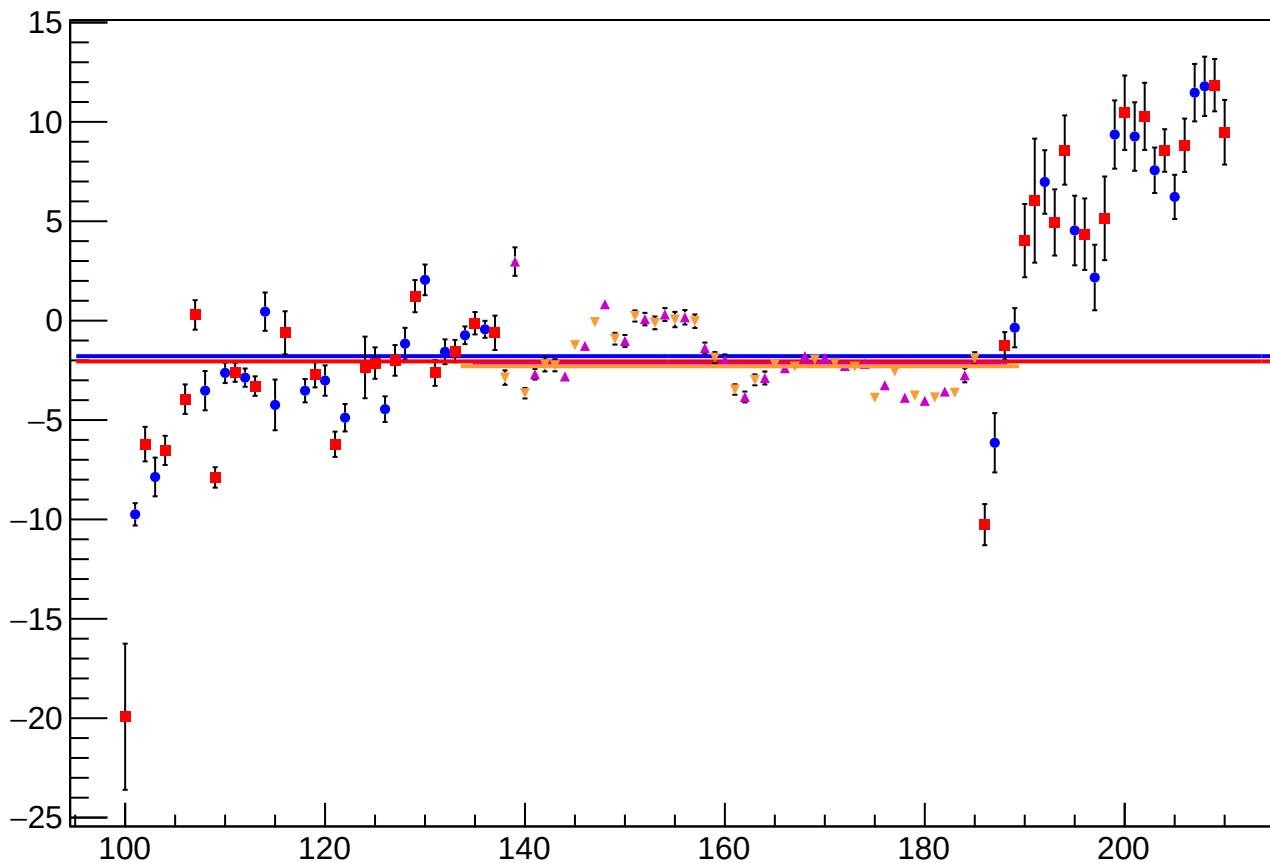
Left In: 3.688 ± 0.064 χ^2/NDF : 953.3/22

+ sign 3.064 ± 0.055 χ^2/NDF : 3007.6/51

All: 2.900 ± 0.039 χ^2/NDF : 8786.9/107

- sign 2.734 ± 0.056 χ^2/NDF : 5761.7/55

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.788 ± 0.146 χ^2/NDF : 777.8/26

Left Out: -2.294 ± 0.050 χ^2/NDF : 631.5/24

Right Out: -2.050 ± 0.144 χ^2/NDF : 900.1/32

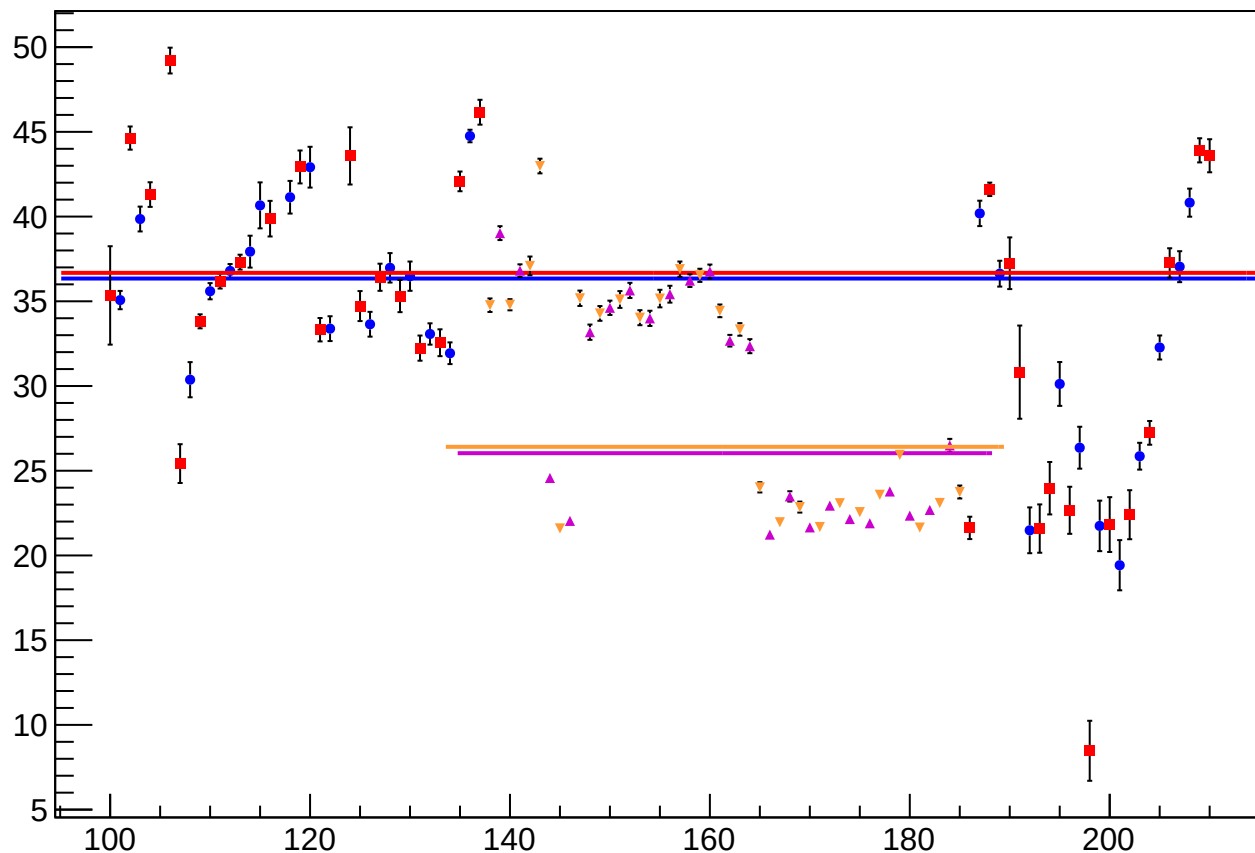
Left In: -2.204 ± 0.051 χ^2/NDF : 724.7/22

+ sign -2.242 ± 0.047 χ^2/NDF : 1420.0/51

All: -2.215 ± 0.034 χ^2/NDF : 3046.4/107

- sign -2.187 ± 0.048 χ^2/NDF : 1625.7/55

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.343 ± 0.140 $\chi^2/\text{NDF}: 1454.7/26$

Left Out: 26.411 ± 0.062 $\chi^2/\text{NDF}: 9222.2/24$

Right Out: 36.679 ± 0.132 $\chi^2/\text{NDF}: 2740.2/32$

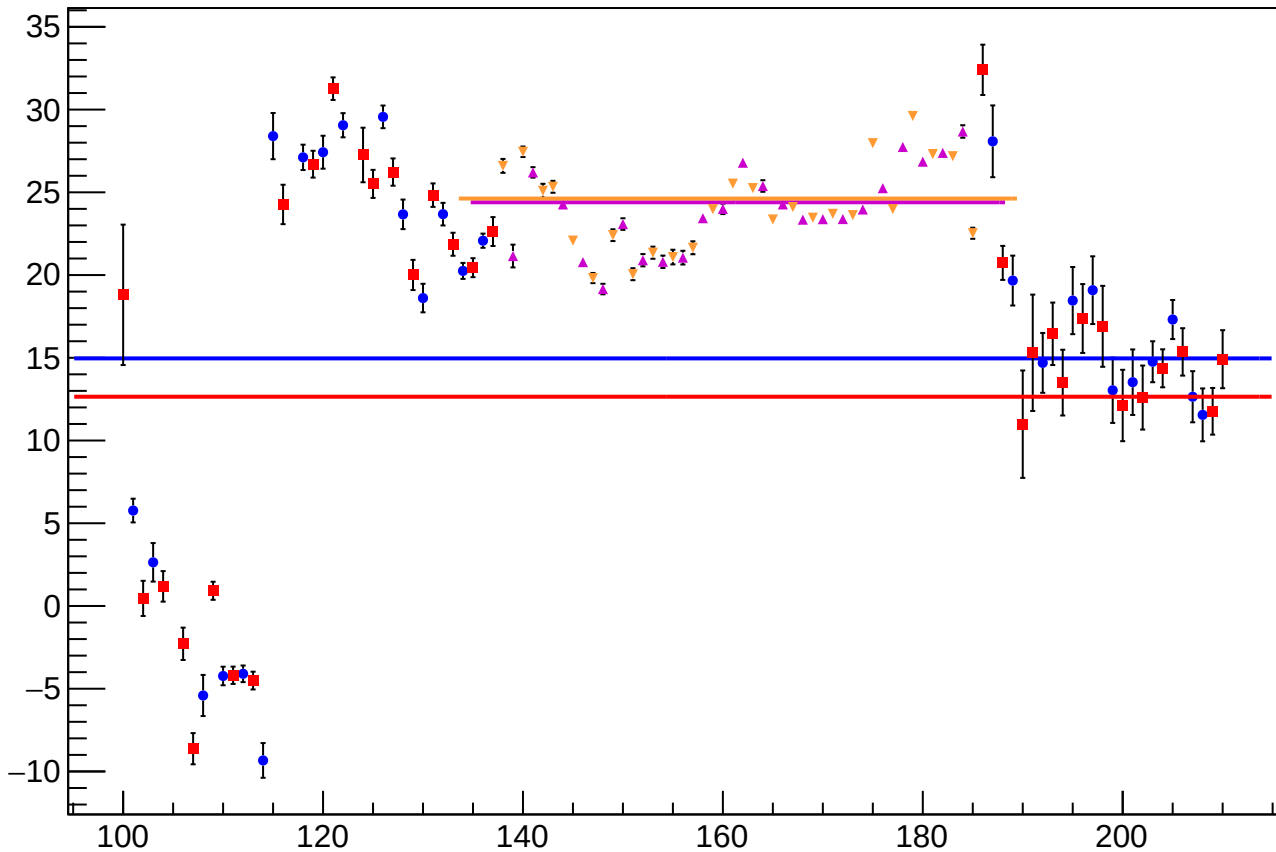
Left In: 26.036 ± 0.064 $\chi^2/\text{NDF}: 7842.9/22$

+ sign 28.055 ± 0.057 $\chi^2/\text{NDF}: 14887.8/51$

All: 28.058 ± 0.040 $\chi^2/\text{NDF}: 30751.6/107$

- sign 28.061 ± 0.057 $\chi^2/\text{NDF}: 15863.9/55$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.963 $\pm$ 0.164 χ^2 /NDF: 5752.7/26

Left Out: 24.624 $\pm$ 0.055 χ^2 /NDF:1950.7/24

Right Out: 12.647 $\pm$ 0.164 χ^2 /NDF: 6372.7/32

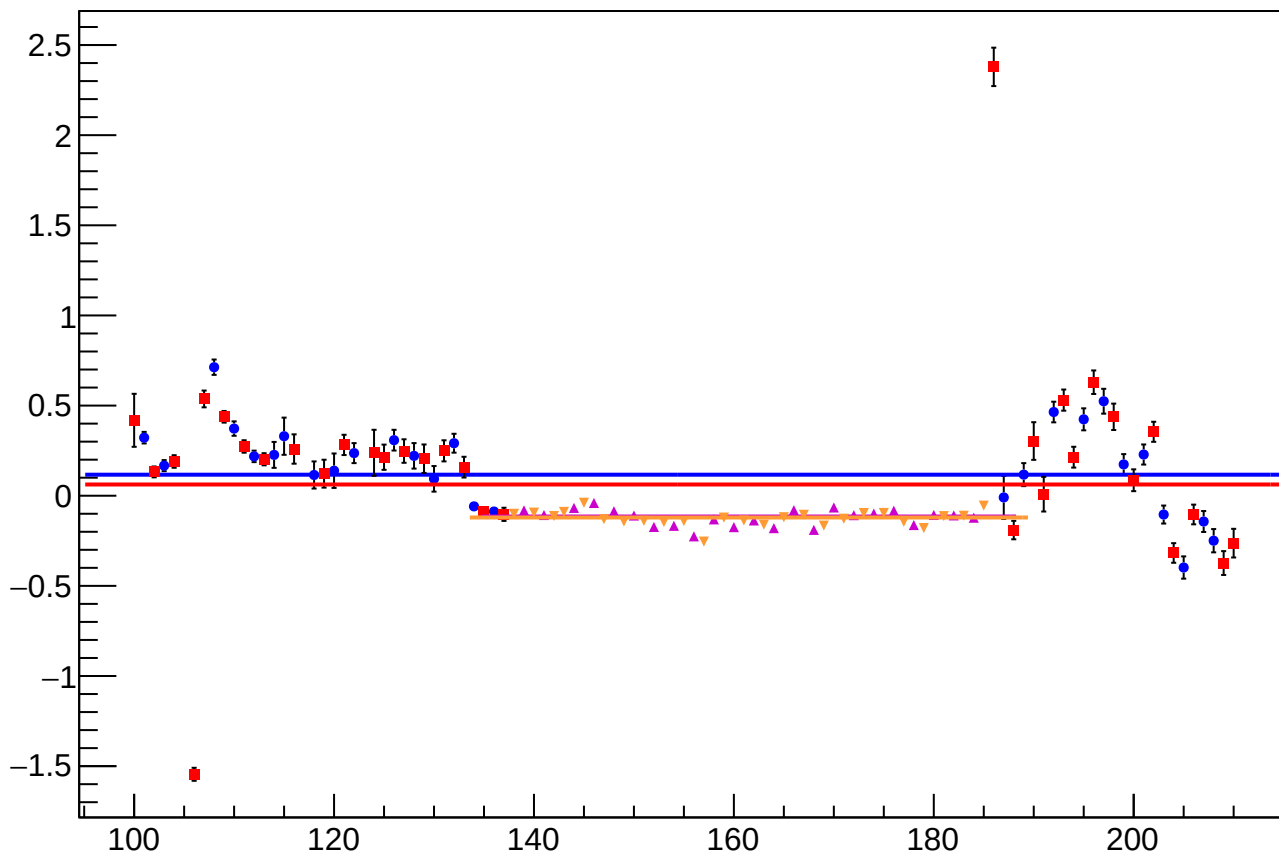
Left In: 24.397 $\pm$ 0.056 χ^2 /NDF:1715.6/22

+ sign 23.641 $\pm$ 0.052 χ^2 /NDF: 10823.2/51

All: 23.404 $\pm$ 0.037 χ^2 /NDF: 23525.9/107

- sign 23.157 $\pm$ 0.053 χ^2 /NDF: 12660.8/55

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.117 ± 0.008 χ^2/NDF : 765.1/26

Left Out: -0.121 ± 0.002 χ^2/NDF : 262.9/24

Right Out: 0.062 ± 0.009 χ^2/NDF : 3243.4/32

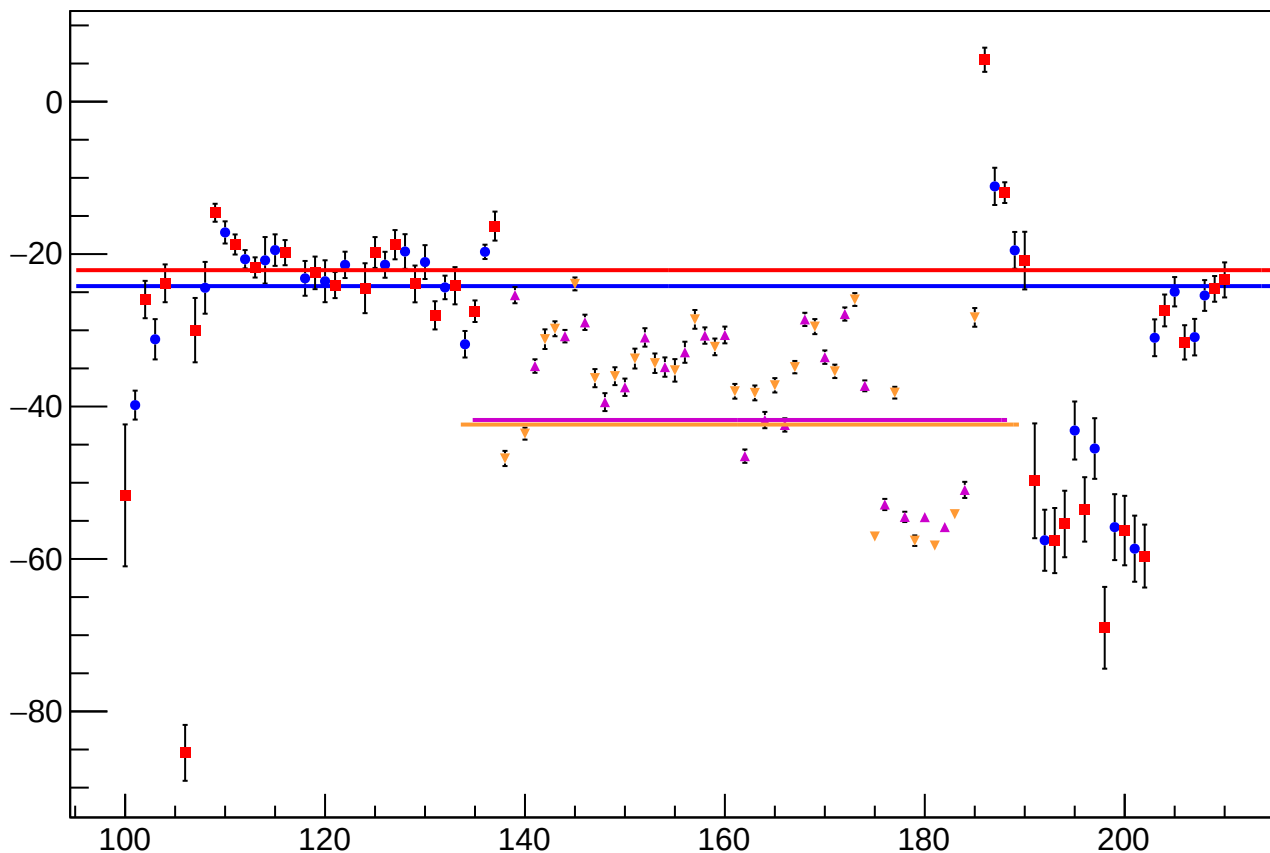
Left In: -0.115 ± 0.003 χ^2/NDF : 290.7/22

+ sign -0.102 ± 0.002 χ^2/NDF : 1766.0/51

All: -0.102 ± 0.002 χ^2/NDF : 5701.0/107

- sign -0.101 ± 0.002 χ^2/NDF : 3934.9/55

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -24.201 ± 0.384 χ^2/NDF : 454.8/26

Left Out: -42.366 ± 0.175 χ^2/NDF : 4477.3/24

Right Out: -22.110 ± 0.363 χ^2/NDF : 1202.5/32

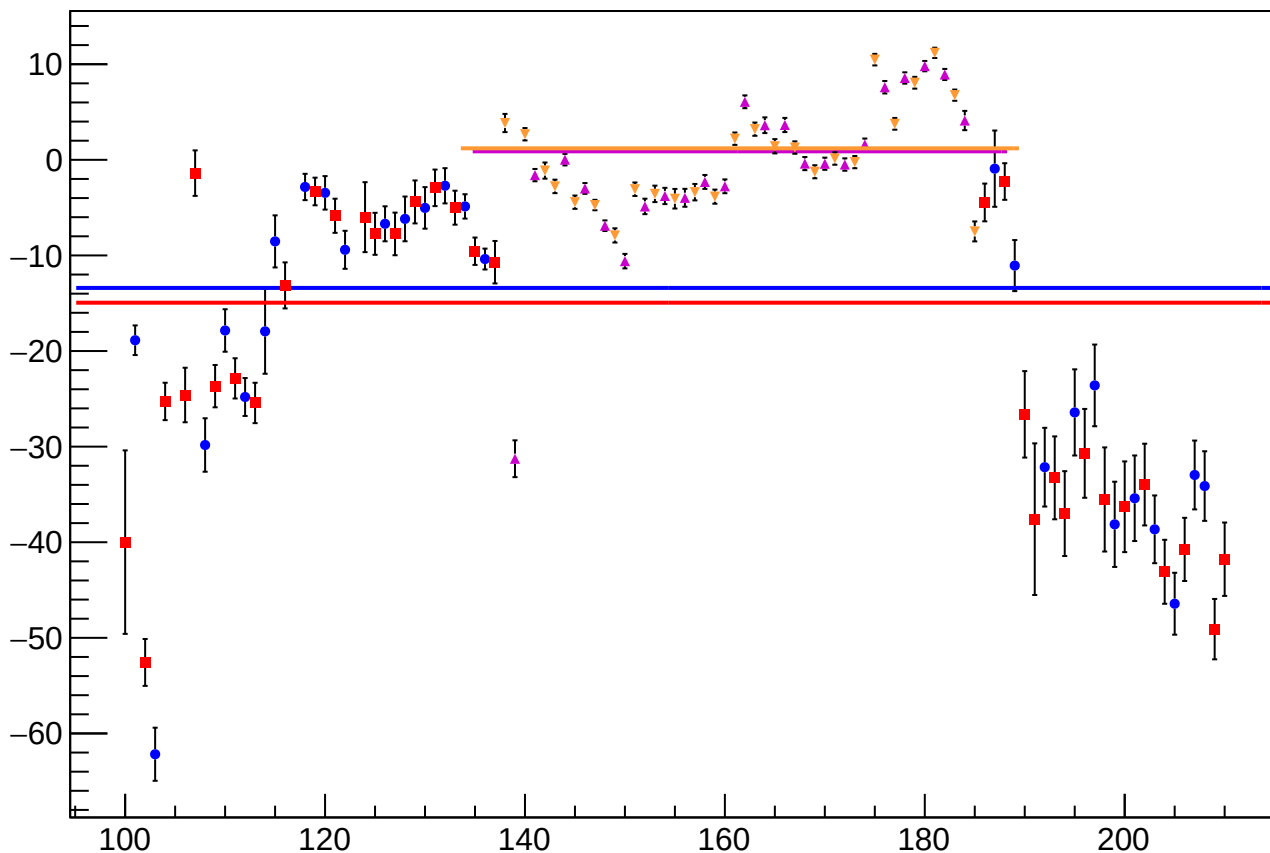
Left In: -41.764 ± 0.182 χ^2/NDF : 3459.2/22

+ sign -39.230 ± 0.159 χ^2/NDF : 6787.6/51

All: -38.544 ± 0.114 χ^2/NDF : 13828.7/107

- sign -37.830 ± 0.163 χ^2/NDF : 7003.3/55

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -13.398 ± 0.420 χ^2/NDF : 932.9/26

Left Out: 1.203 ± 0.138 χ^2/NDF : 1463.6/24

Right Out: -14.944 ± 0.425 χ^2/NDF : 1090.2/32

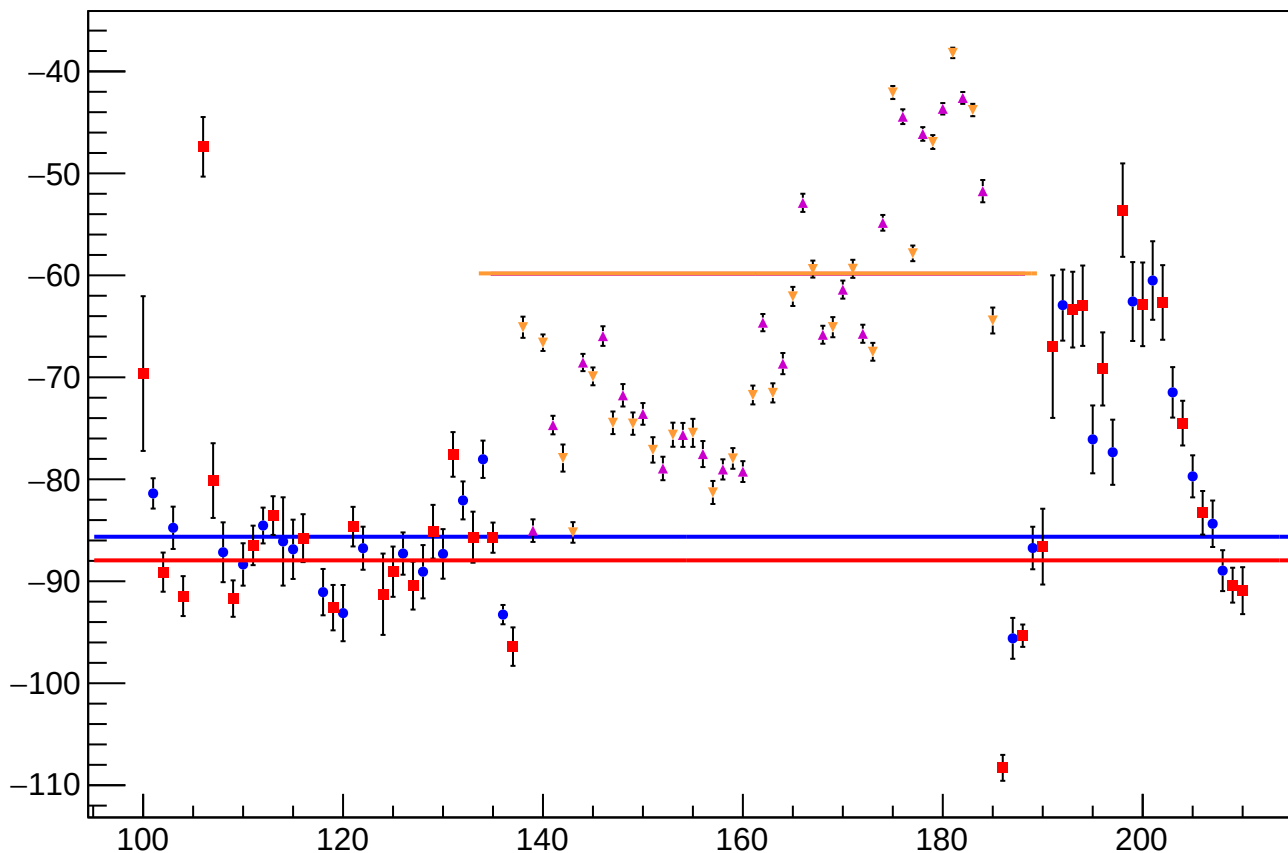
Left In: 0.889 ± 0.143 χ^2/NDF : 1763.7/22

+ sign -0.220 ± 0.131 χ^2/NDF : 3485.4/51

All: -0.463 ± 0.094 χ^2/NDF : 7595.3/107

- sign -0.722 ± 0.135 χ^2/NDF : 4102.9/55

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -85.633 ± 0.406 χ^2/NDF : 317.7/26

Left Out: -59.809 ± 0.175 χ^2/NDF : 6645.1/24

Right Out: -87.950 ± 0.383 χ^2/NDF : 883.9/32

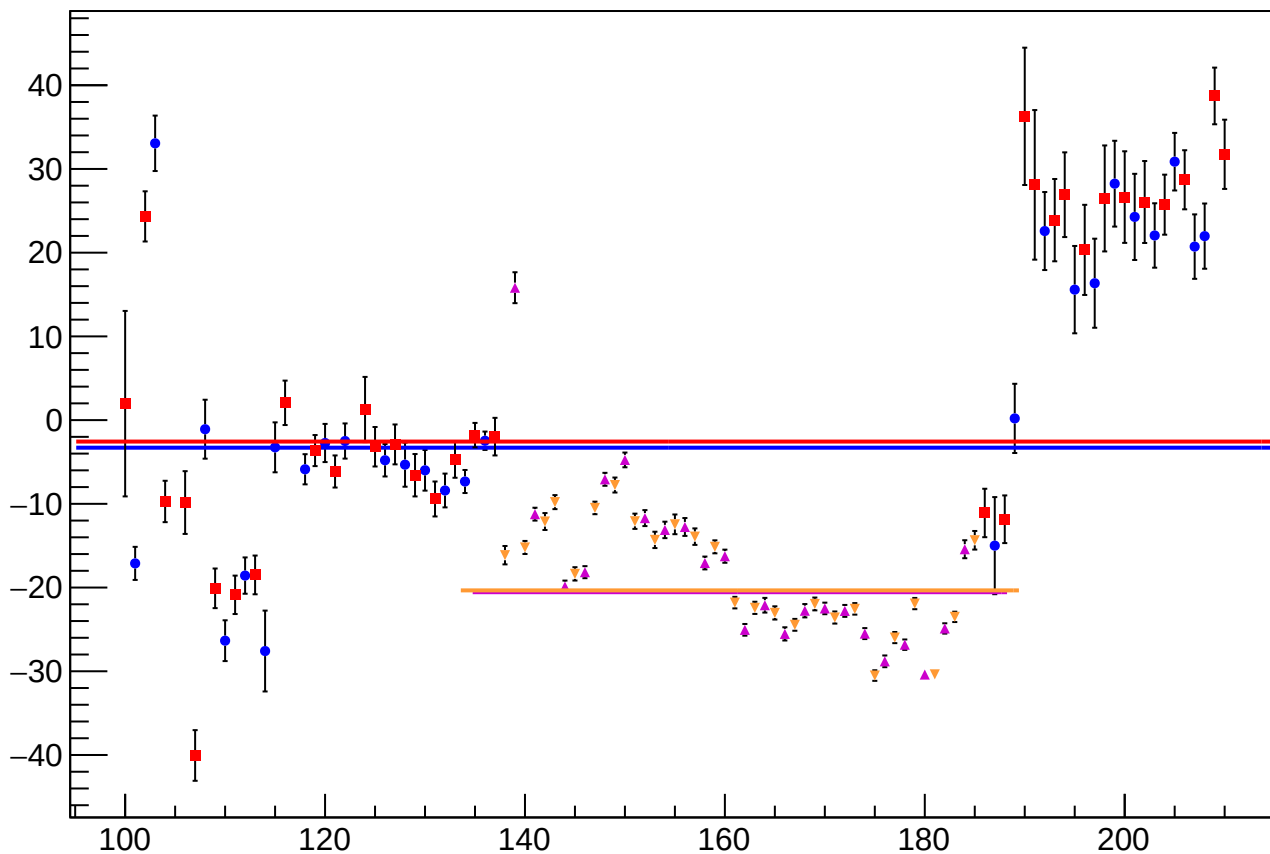
Left In: -59.846 ± 0.181 χ^2/NDF : 5534.1/22

+ sign -63.859 ± 0.161 χ^2/NDF : 10366.1/51

All: -64.407 ± 0.115 χ^2/NDF : 21202.9/107

- sign -64.973 ± 0.164 χ^2/NDF : 10813.2/55

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -3.294 ± 0.474 $\chi^2/\text{NDF}: 706.7/26$

Left Out: -20.339 ± 0.155 $\chi^2/\text{NDF}: 1701.1/24$

Right Out: -2.562 ± 0.488 $\chi^2/\text{NDF}: 1011.5/32$

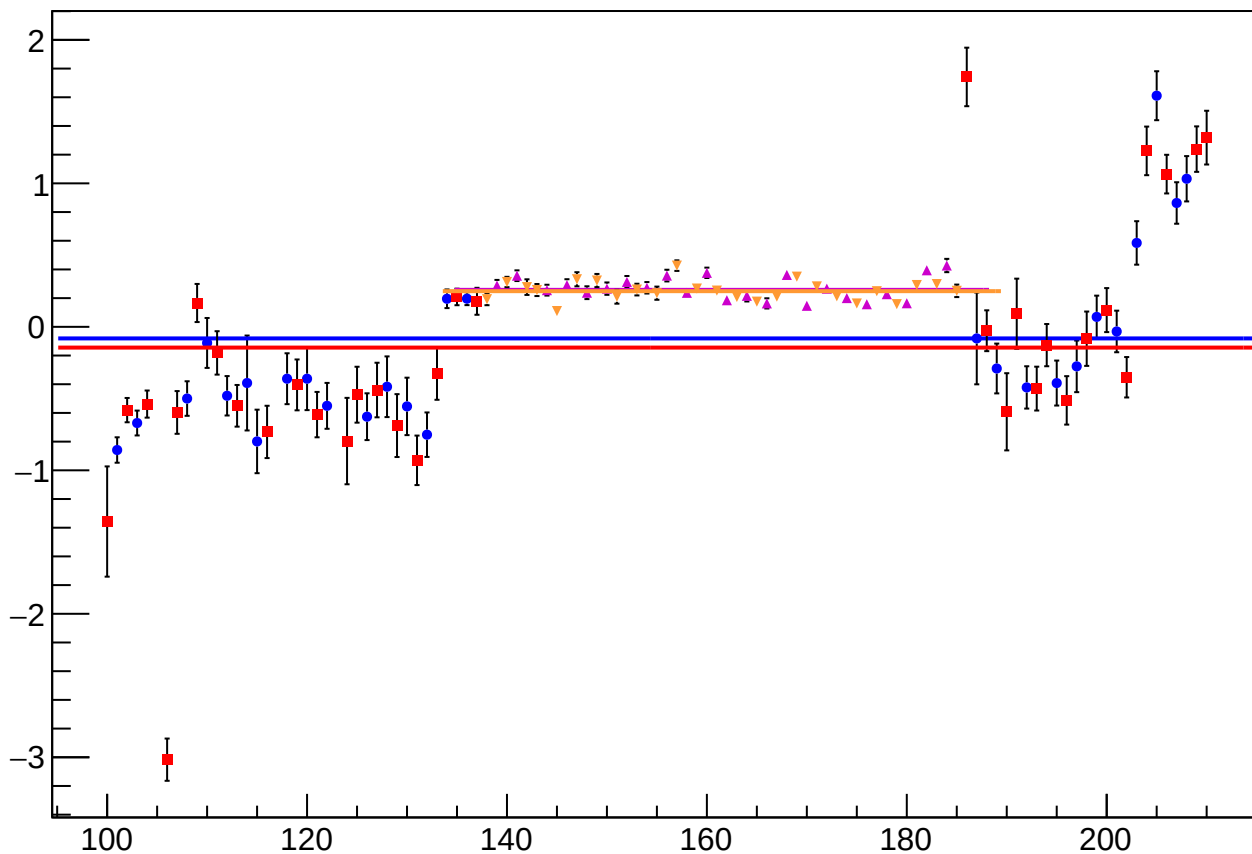
Left In: -20.555 ± 0.160 $\chi^2/\text{NDF}: 2193.8/22$

+ sign -18.702 ± 0.147 $\chi^2/\text{NDF}: 3575.2/51$

All: -18.758 ± 0.106 $\chi^2/\text{NDF}: 8008.3/107$

- sign -18.818 ± 0.152 $\chi^2/\text{NDF}: 4432.8/55$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.081 ± 0.023 χ^2/NDF : 485.3/26

Left Out: 0.249 ± 0.007 χ^2/NDF : 93.2/24

Right Out: -0.145 ± 0.024 χ^2/NDF : 951.9/32

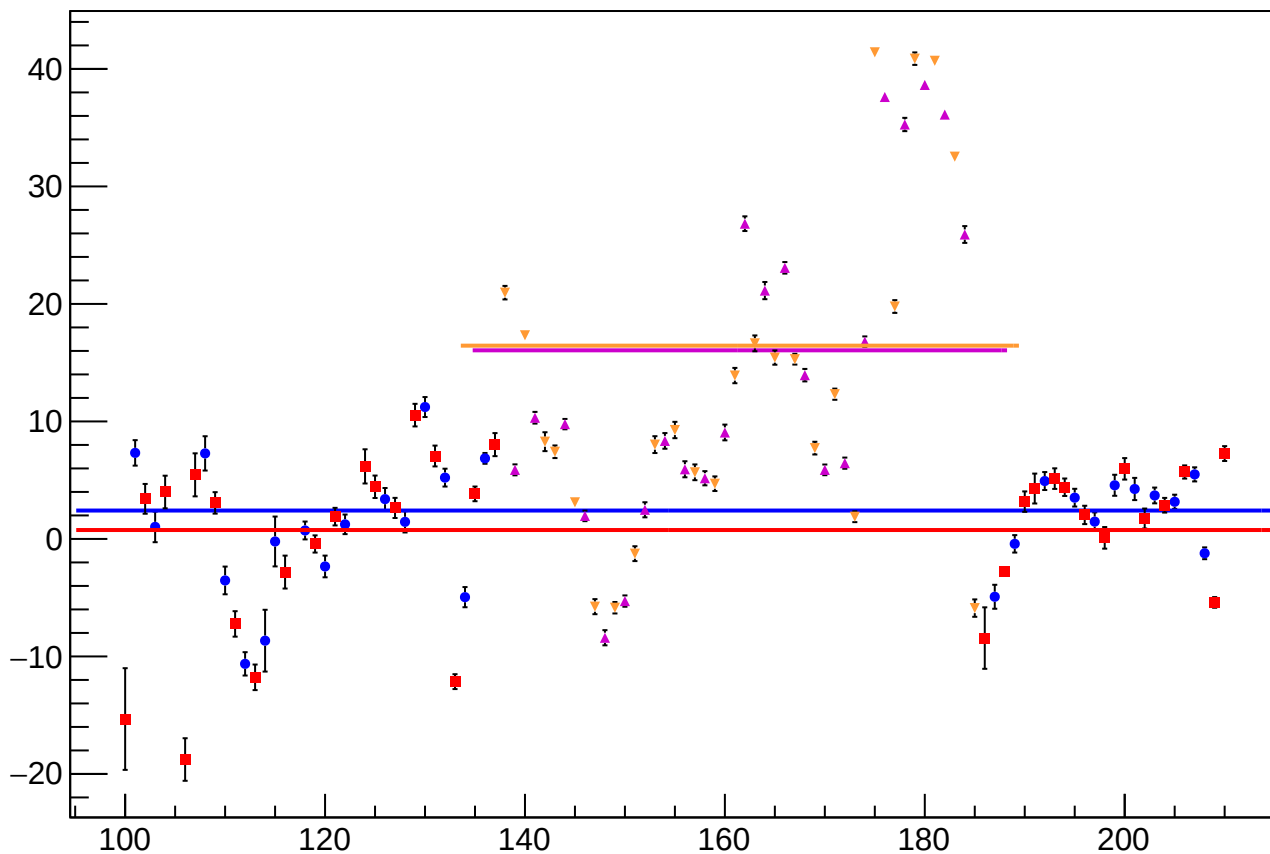
Left In: 0.258 ± 0.007 χ^2/NDF : 134.3/22

+ sign 0.222 ± 0.007 χ^2/NDF : 759.4/51

All: 0.224 ± 0.005 χ^2/NDF : 2095.1/107

- sign 0.226 ± 0.007 χ^2/NDF : 1335.5/55

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.417 ± 0.155 χ^2/NDF : 747.9/26

Left Out: 16.449 ± 0.104 χ^2/NDF : 21400.3/24

Right Out: 0.758 ± 0.140 χ^2/NDF : 1614.6/32

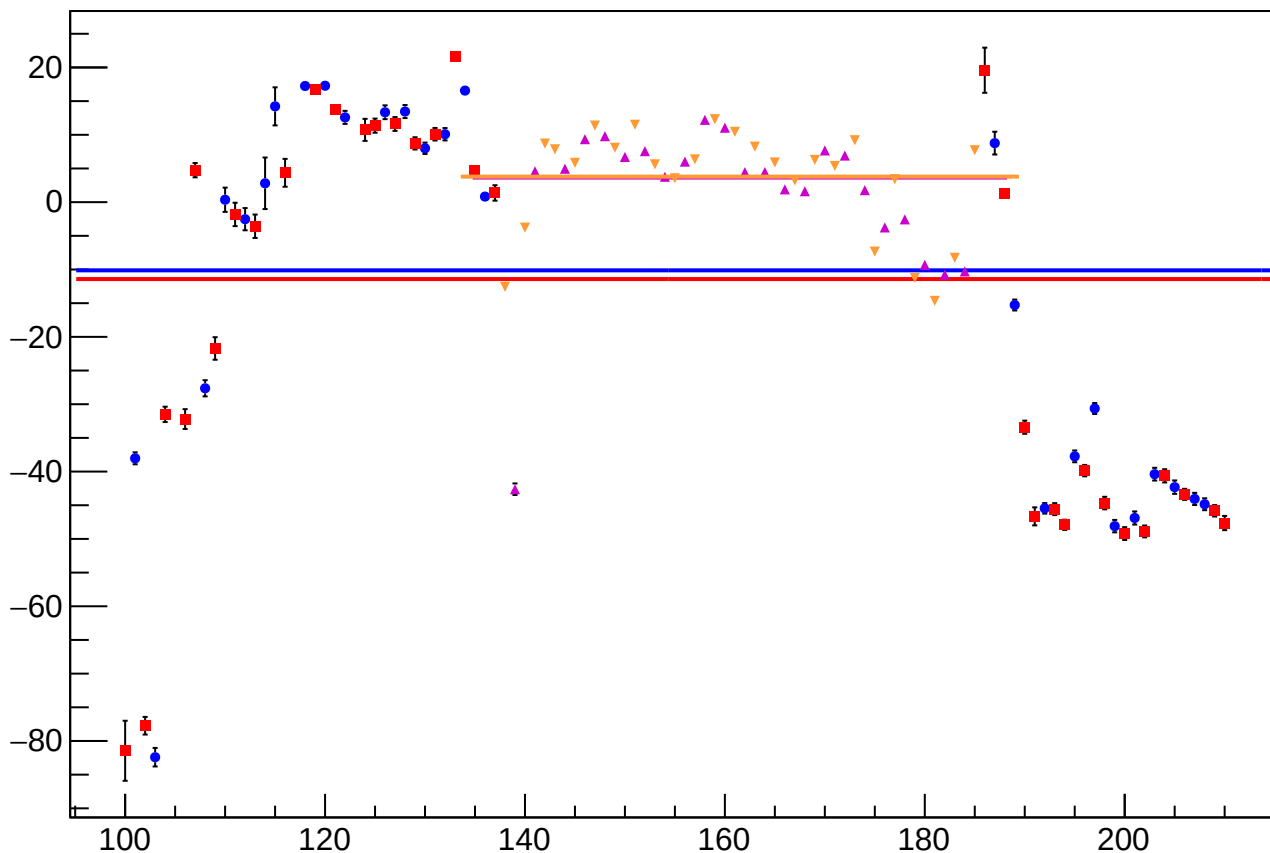
Left In: 16.051 ± 0.107 χ^2/NDF : 17625.1/22

+ sign 12.076 ± 0.086 χ^2/NDF : 27820.5/51

All: 11.223 ± 0.061 χ^2/NDF : 54776.3/107

- sign 10.394 ± 0.085 χ^2/NDF : 26763.2/55

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -10.123 ± 0.167 χ^2/NDF : 26635.0/26

Left Out: 3.790 ± 0.080 χ^2/NDF : 9100.7/24

Right Out: -11.417 ± 0.157 χ^2/NDF : 33164.7/32

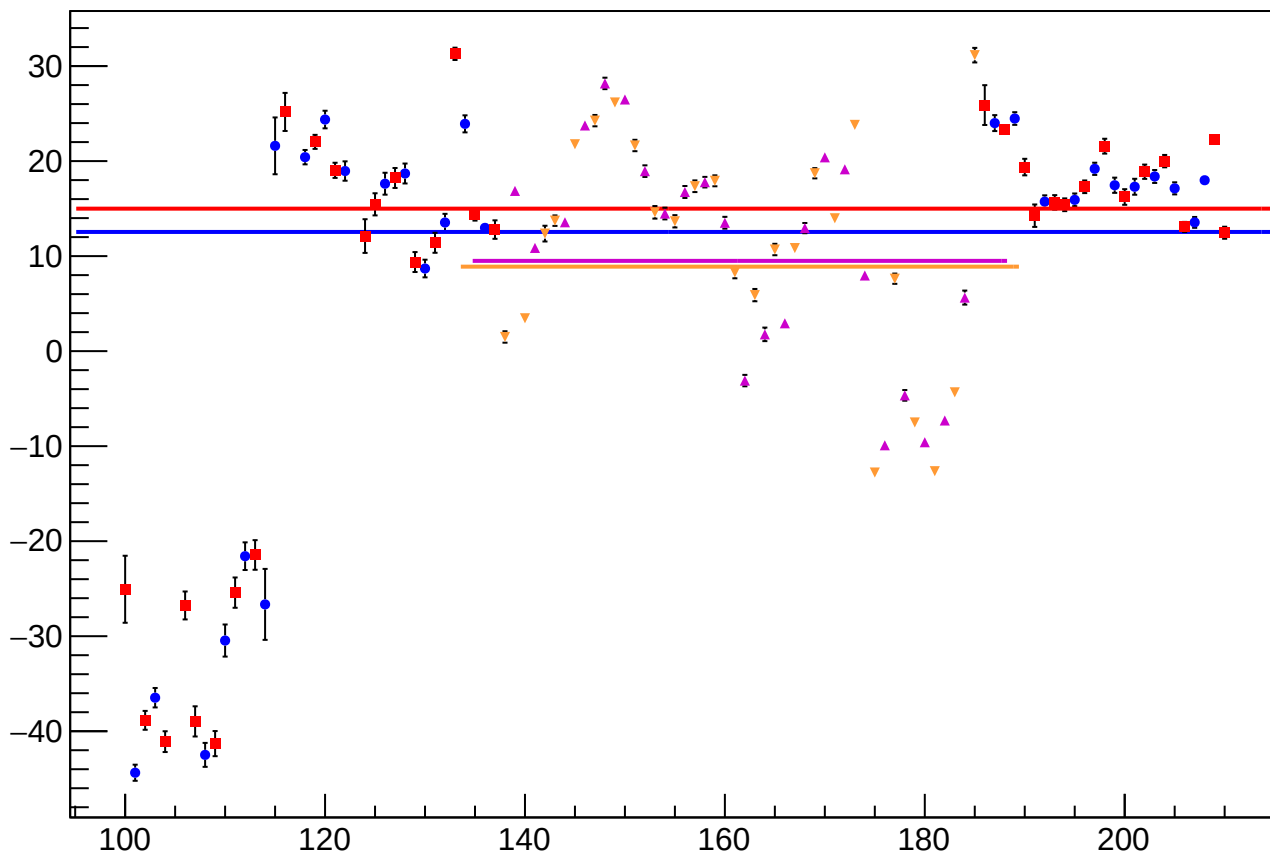
Left In: 3.649 ± 0.083 χ^2/NDF : 8310.7/22

+ sign 1.187 ± 0.072 χ^2/NDF : 41382.3/51

All: 0.775 ± 0.051 χ^2/NDF : 90144.9/107

- sign 0.350 ± 0.073 χ^2/NDF : 48696.4/55

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.544 ± 0.152 χ^2/NDF : 11543.5/26

Left Out: 8.892 ± 0.104 χ^2/NDF : 15428.1/24

Right Out: 14.995 ± 0.135 χ^2/NDF : 12748.8/32

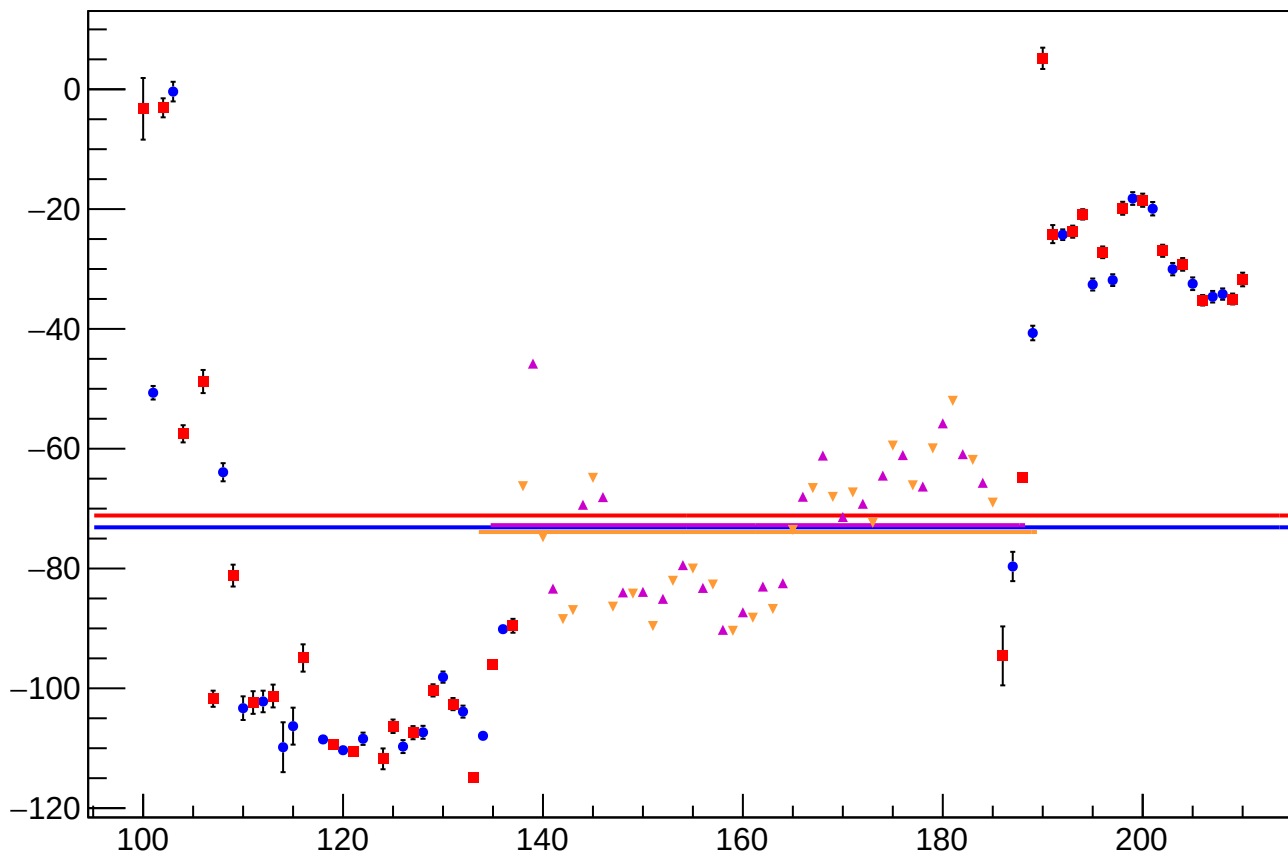
Left In: 9.500 ± 0.107 χ^2/NDF : 13040.9/22

+ sign 10.048 ± 0.086 χ^2/NDF : 27364.2/51

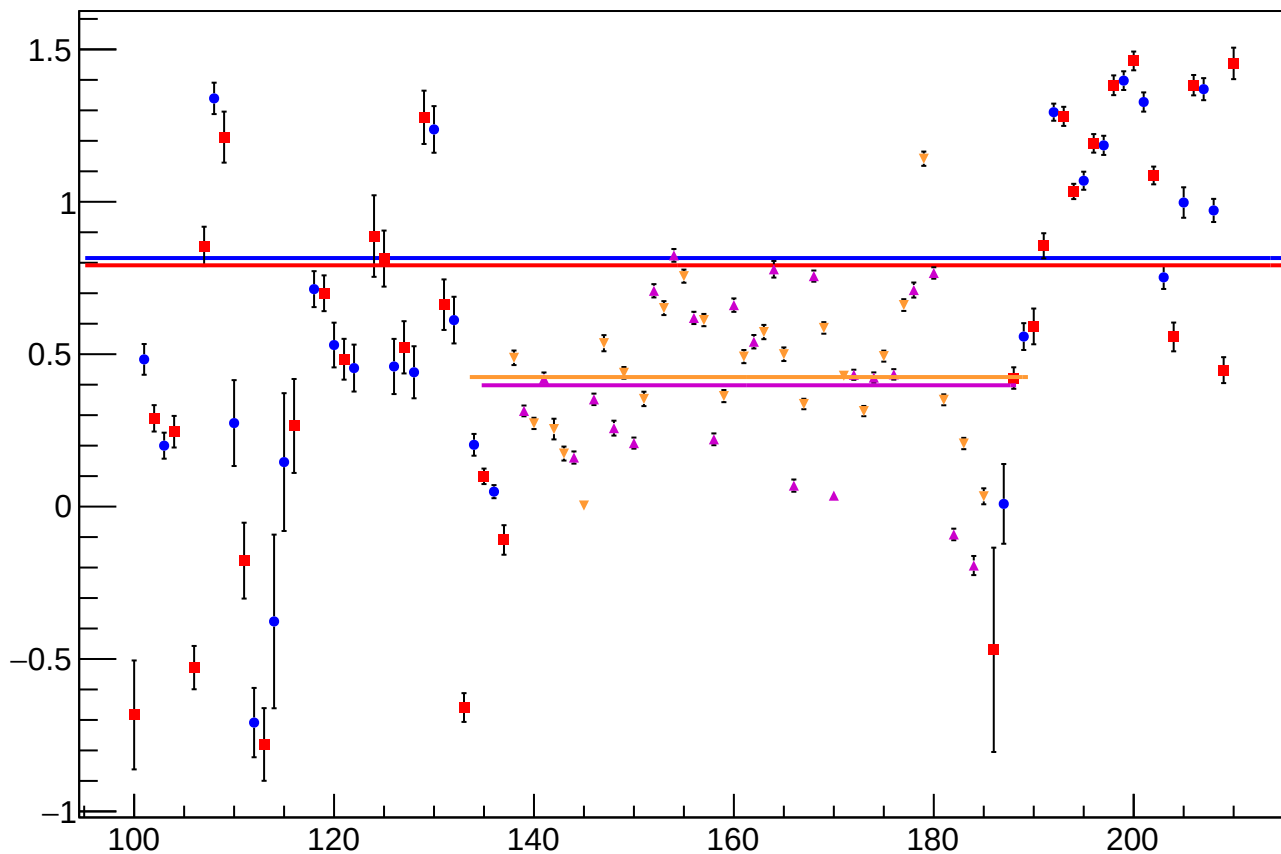
All: 10.844 ± 0.060 χ^2/NDF : 54340.4/107

- sign 11.602 ± 0.084 χ^2/NDF : 26808.0/55

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.815 $\pm$ 0.008 χ^2 /NDF: 3717.3/26

Left Out: 0.425 $\pm$ 0.004 χ^2 /NDF:3035.4/24

Right Out: 0.792 $\pm$ 0.008 χ^2 /NDF: 5154.0/32

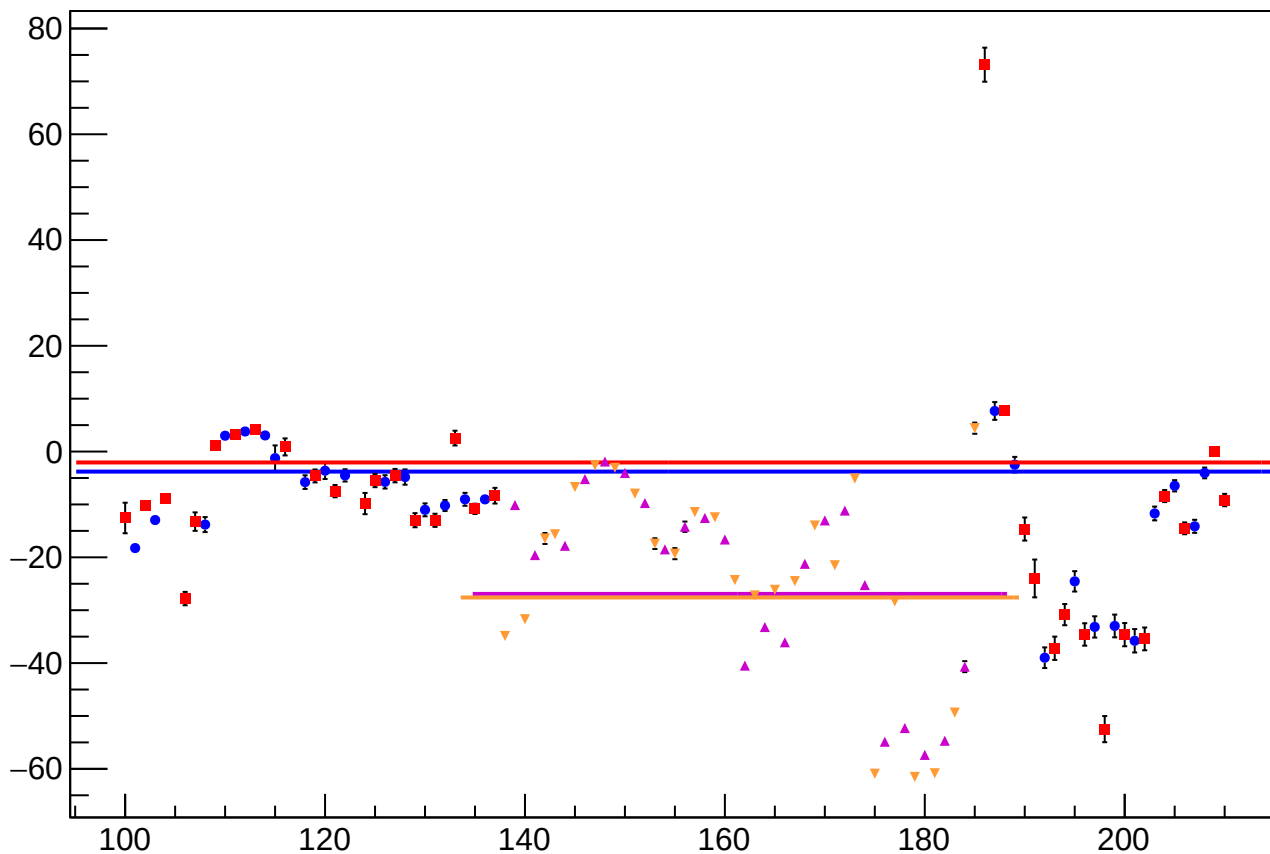
Left In: 0.398 $\pm$ 0.004 χ^2 /NDF:4271.0/22

+ sign 0.499 $\pm$ 0.004 χ^2 /NDF: 8515.5/51

All: 0.491 $\pm$ 0.003 χ^2 /NDF: 19904.8/107

- sign 0.482 $\pm$ 0.004 χ^2 /NDF: 11378.8/55

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.790 ± 0.176 $\chi^2/\text{NDF}: 2770.7/26$

Left Out: -27.594 ± 0.144 $\chi^2/\text{NDF}: 19761.6/24$

Right Out: -2.060 ± 0.155 $\chi^2/\text{NDF}: 4063.7/32$

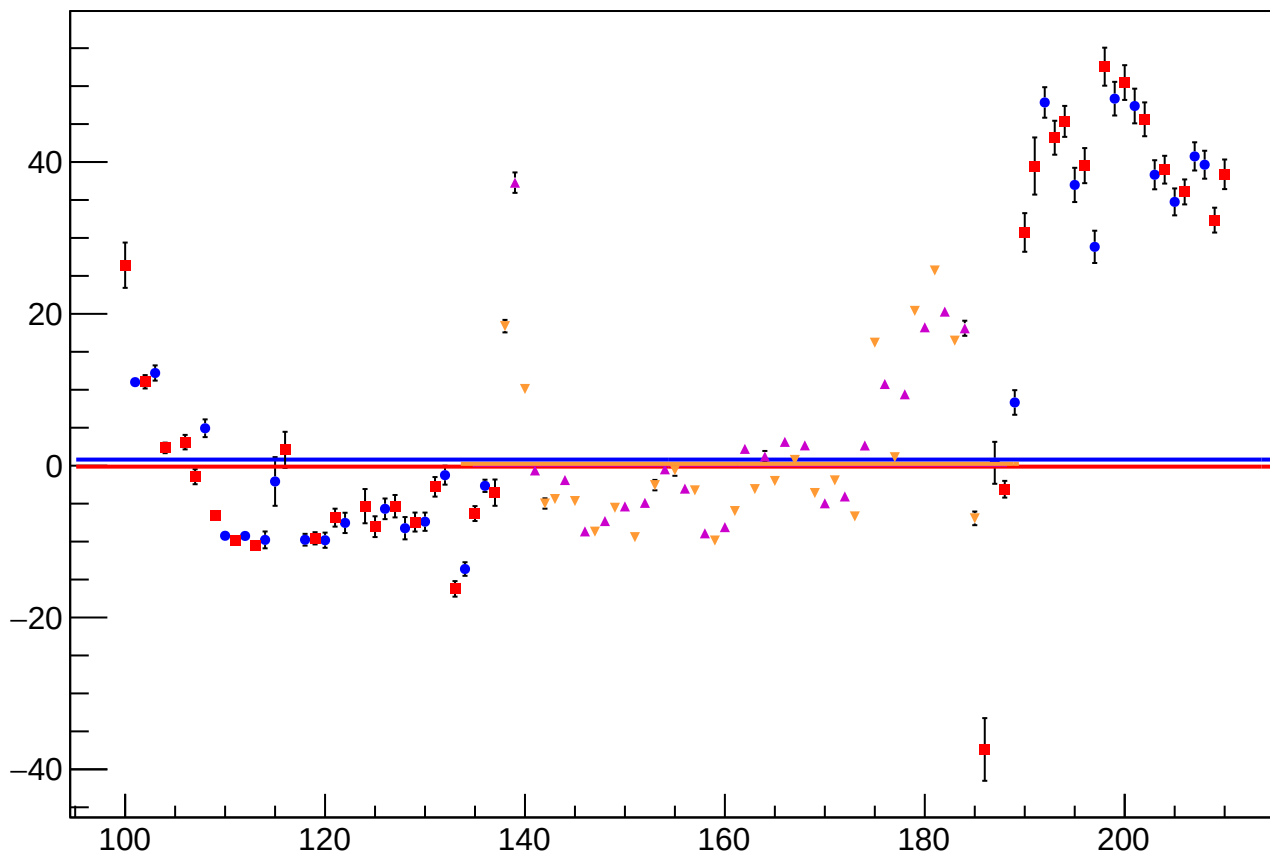
Left In: -26.918 ± 0.149 $\chi^2/\text{NDF}: 15536.6/22$

+ sign -18.033 ± 0.112 $\chi^2/\text{NDF}: 33460.6/51$

All: -16.461 ± 0.077 $\chi^2/\text{NDF}: 66751.5/107$

- sign -14.999 ± 0.108 $\chi^2/\text{NDF}: 32908.2/55$

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 0.804 ± 0.211 $\chi^2/\text{NDF}: 5374.9/26$

Left Out: 0.238 ± 0.110 $\chi^2/\text{NDF}: 8035.6/24$

Right Out: -0.125 ± 0.202 $\chi^2/\text{NDF}: 6093.5/32$

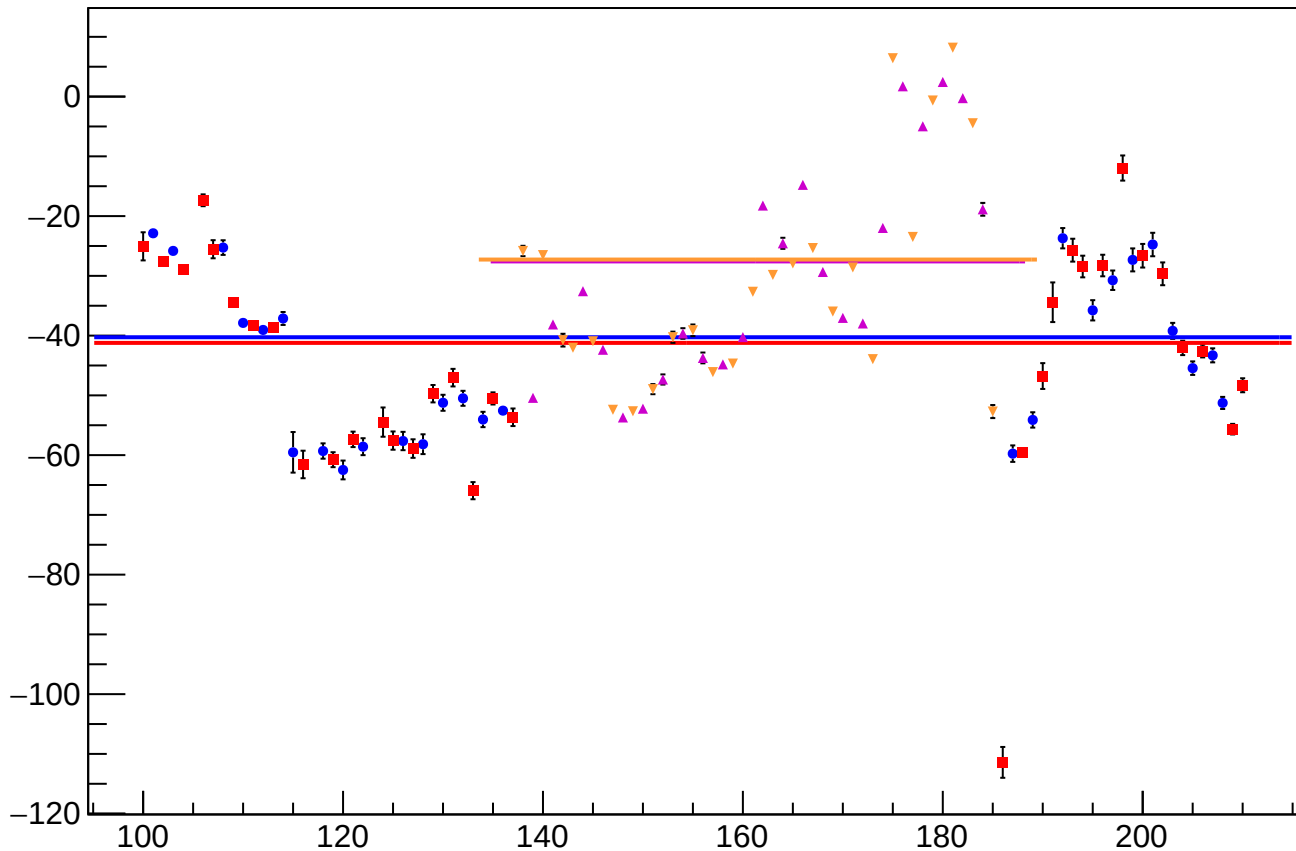
Left In: 0.131 ± 0.114 $\chi^2/\text{NDF}: 5837.4/22$

+ sign 0.359 ± 0.098 $\chi^2/\text{NDF}: 13416.2/51$

All: 0.217 ± 0.070 $\chi^2/\text{NDF}: 25352.7/107$

- sign 0.069 ± 0.100 $\chi^2/\text{NDF}: 11932.1/55$

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -40.273 ± 0.198 $\chi^2/\text{NDF}: 3677.6/26$

Left Out: -27.271 ± 0.144 $\chi^2/\text{NDF}: 18526.9/24$

Right Out: -41.217 ± 0.181 $\chi^2/\text{NDF}: 5297.1/32$

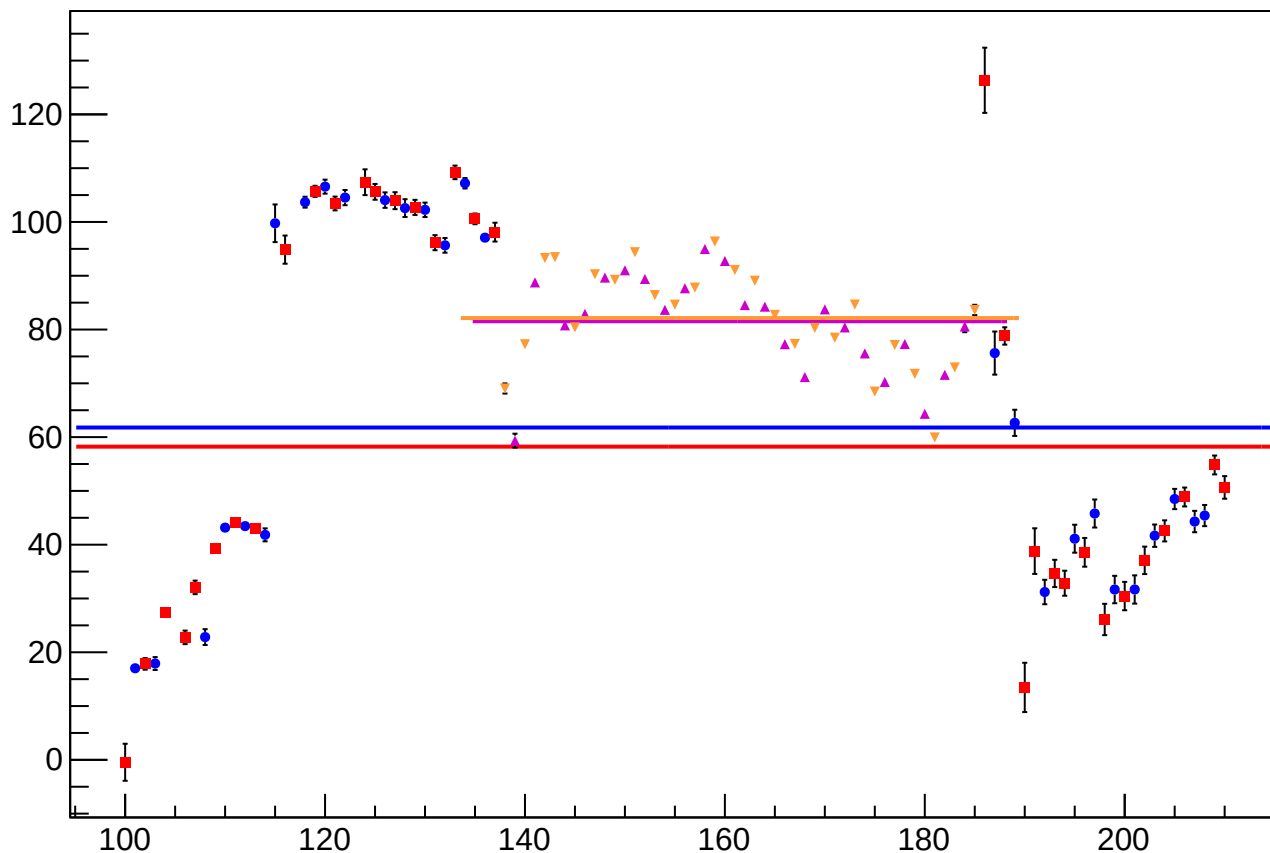
Left In: -27.583 ± 0.148 $\chi^2/\text{NDF}: 15648.7/22$

+ sign -31.757 ± 0.116 $\chi^2/\text{NDF}: 25021.9/51$

All: -32.408 ± 0.082 $\chi^2/\text{NDF}: 49417.1/107$

- sign -33.040 ± 0.115 $\chi^2/\text{NDF}: 24333.6/55$

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 61.784 $\pm$ 0.242 χ^2 /NDF: 19539.0/26

Left Out: 82.134 $\pm$ 0.125 χ^2 /NDF: 5375.9/24

Right Out: 58.226 $\pm$ 0.231 χ^2 /NDF: 18546.6/32

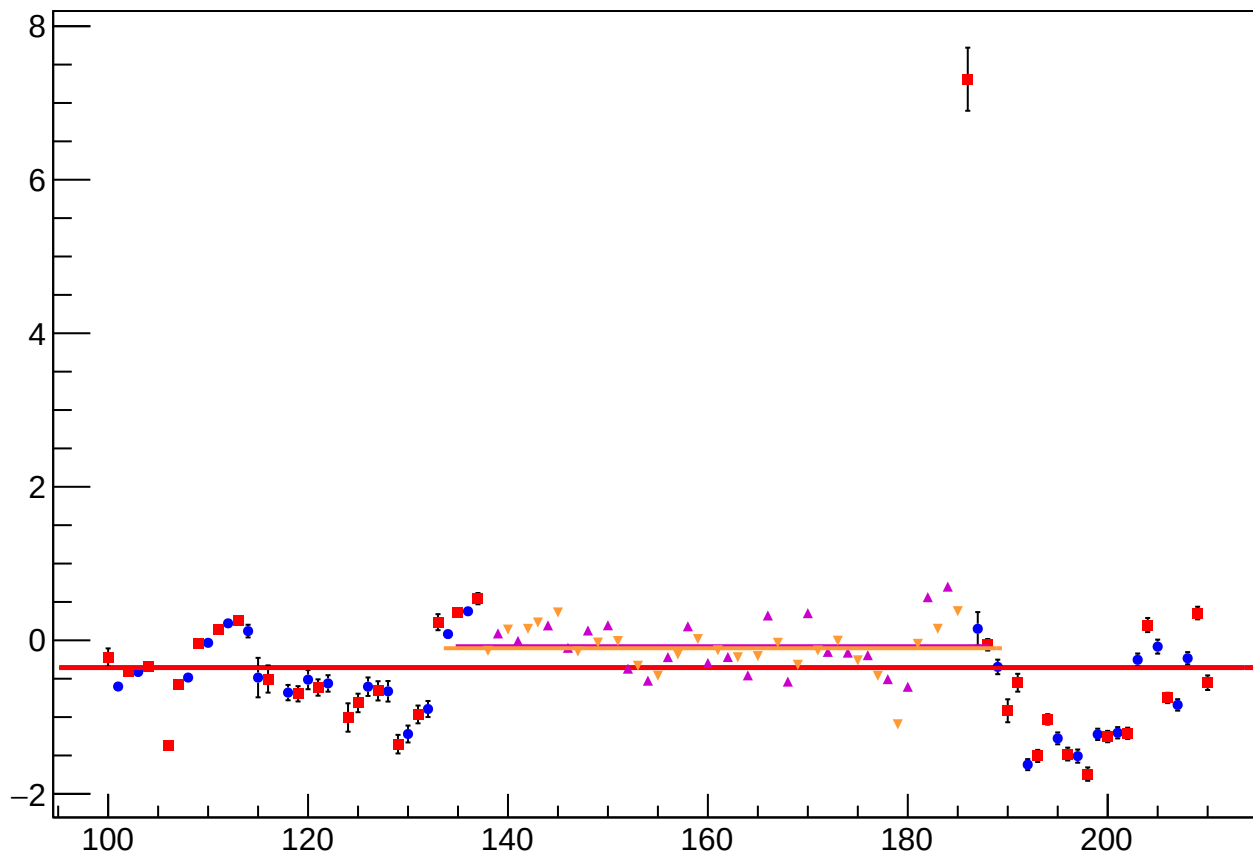
Left In: 81.539 $\pm$ 0.129 χ^2 /NDF: 4043.0/22

+ sign 77.851 $\pm$ 0.111 χ^2 /NDF: 30514.2/51

All: 76.944 $\pm$ 0.079 χ^2 /NDF: 60995.0/107

- sign 76.007 $\pm$ 0.113 χ^2 /NDF: 30344.6/55

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.351 ± 0.012 χ^2/NDF : 2029.4/26

Left Out: -0.103 ± 0.006 χ^2/NDF : 2408.2/24

Right Out: -0.361 ± 0.011 χ^2/NDF : 3043.5/32

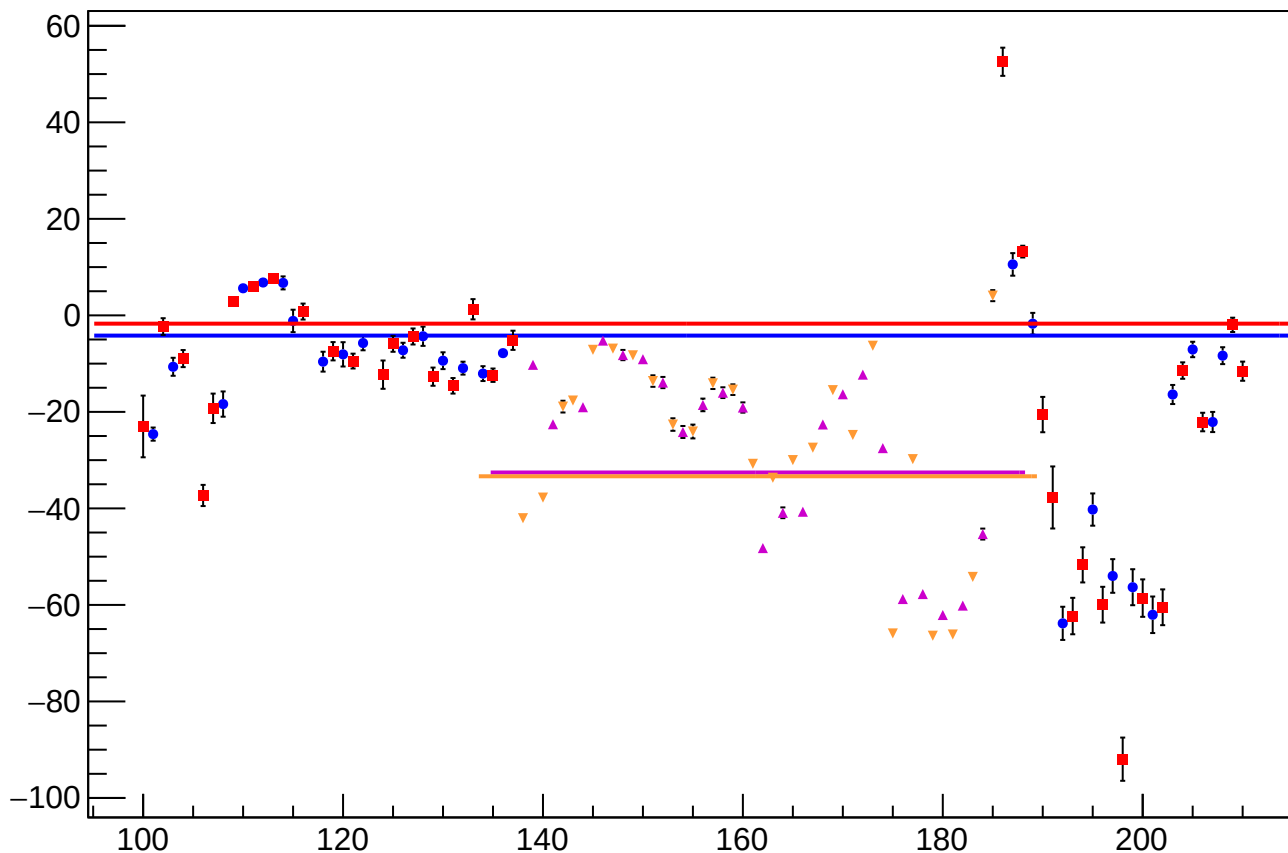
Left In: -0.077 ± 0.006 χ^2/NDF : 3320.8/22

+ sign -0.149 ± 0.005 χ^2/NDF : 4795.0/51

All: -0.142 ± 0.004 χ^2/NDF : 11670.0/107

- sign -0.136 ± 0.005 χ^2/NDF : 6871.7/55

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -4.193 ± 0.283 χ^2/NDF : 2179.7/26

Left Out: -33.346 ± 0.165 χ^2/NDF : 17989.6/24

Right Out: -1.717 ± 0.256 χ^2/NDF : 3258.6/32

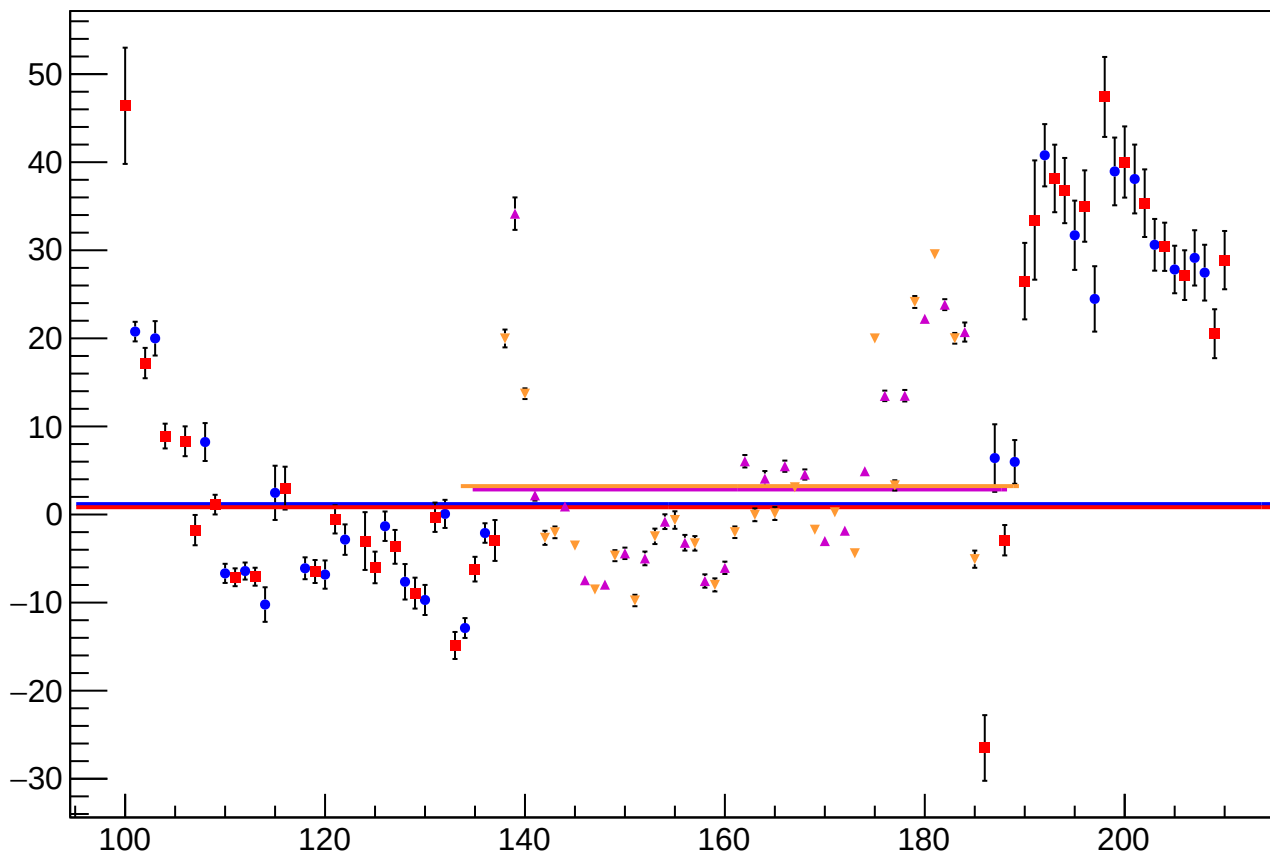
Left In: -32.559 ± 0.169 χ^2/NDF : 13896.0/22

+ sign -25.962 ± 0.142 χ^2/NDF : 28113.7/51

All: -24.567 ± 0.100 χ^2/NDF : 55527.9/107

- sign -23.188 ± 0.141 χ^2/NDF : 27222.8/55

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 1.180 ± 0.335 χ^2/NDF : 1616.8/26

Left Out: 3.224 ± 0.128 χ^2/NDF : 7675.6/24

Right Out: 0.828 ± 0.329 χ^2/NDF : 1515.8/32

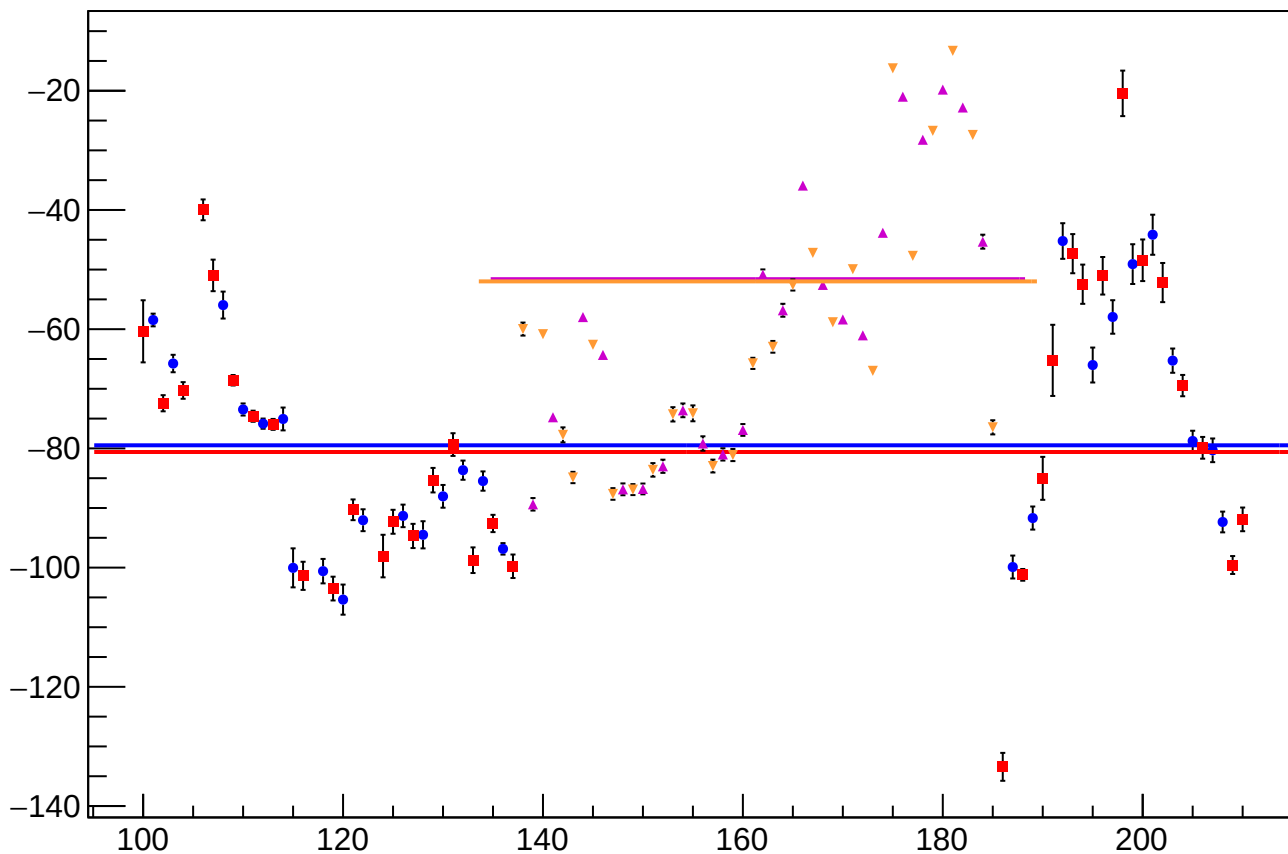
Left In: 2.845 ± 0.131 χ^2/NDF : 5455.5/22

+ sign 2.963 ± 0.120 χ^2/NDF : 9324.9/51

All: 2.769 ± 0.085 χ^2/NDF : 16334.0/107

- sign 2.568 ± 0.122 χ^2/NDF : 7003.8/55

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -79.481 ± 0.320 χ^2/NDF : 2050.8/26

Left Out: -51.982 ± 0.165 χ^2/NDF : 20887.7/24

Right Out: -80.603 ± 0.299 χ^2/NDF : 3471.4/32

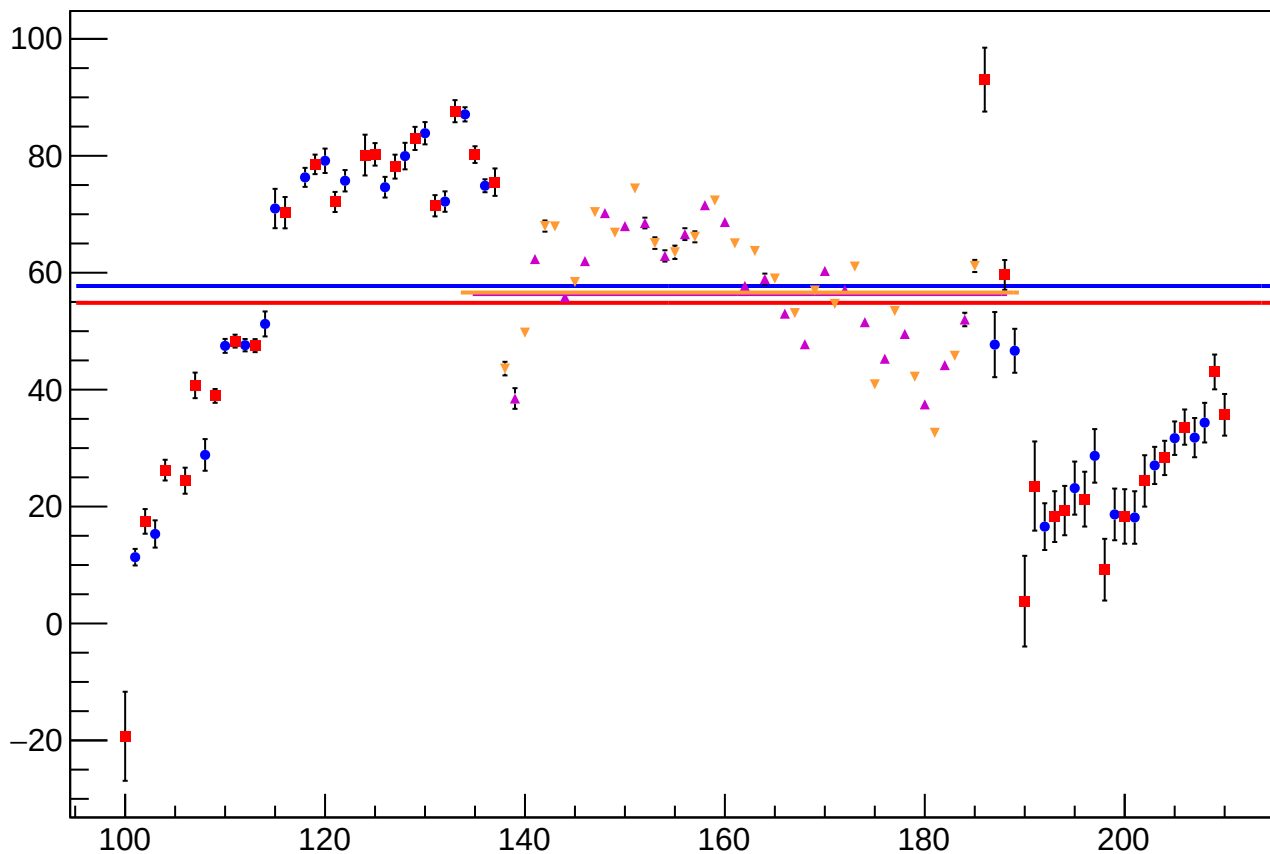
Left In: -51.612 ± 0.169 χ^2/NDF : 17624.2/22

+ sign -57.747 ± 0.147 χ^2/NDF : 28774.3/51

All: -58.183 ± 0.104 χ^2/NDF : 56999.8/107

- sign -58.624 ± 0.147 χ^2/NDF : 28207.6/55

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 57.730 $\pm$ 0.378 χ^2 /NDF: 3956.6/26

Left Out: 56.612 $\pm$ 0.144 χ^2 /NDF: 5666.2/24

Right Out: 54.848 $\pm$ 0.373 χ^2 /NDF: 3493.3/32

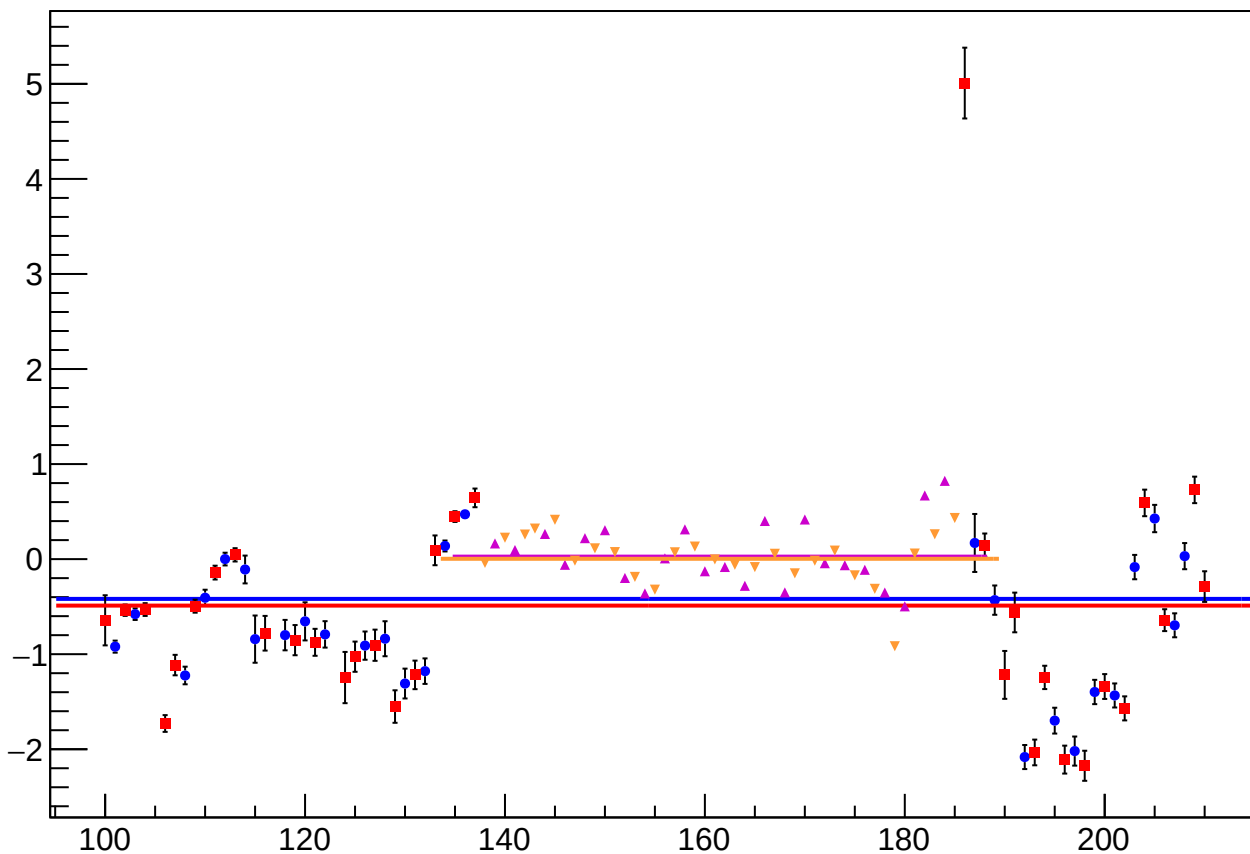
Left In: 56.348 $\pm$ 0.147 χ^2 /NDF: 3968.7/22

+ sign 56.754 $\pm$ 0.134 χ^2 /NDF: 9630.4/51

All: 56.455 $\pm$ 0.096 χ^2 /NDF: 17116.3/107

- sign 56.145 $\pm$ 0.137 χ^2 /NDF: 7475.9/55

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.418 ± 0.019 χ^2/NDF : 1323.2/26

Left Out: 0.004 ± 0.006 χ^2/NDF : 1701.0/24

Right Out: -0.489 ± 0.019 χ^2/NDF : 1752.2/32

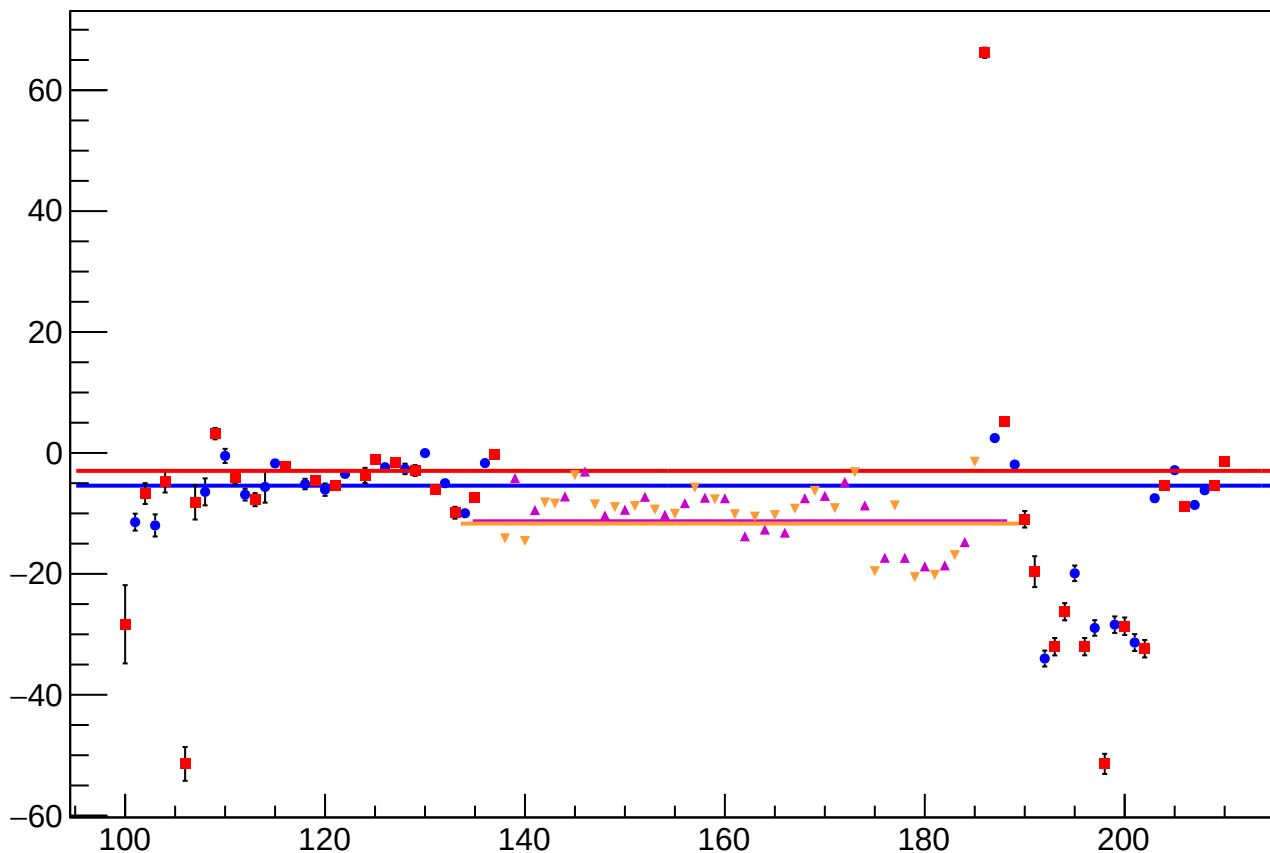
Left In: 0.026 ± 0.007 χ^2/NDF : 2349.0/22

+ sign -0.039 ± 0.006 χ^2/NDF : 3455.8/51

All: -0.034 ± 0.004 χ^2/NDF : 8208.8/107

- sign -0.029 ± 0.006 χ^2/NDF : 4751.6/55

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.412 ± 0.153 χ^2/NDF : 2041.0/26

Left Out: -11.680 ± 0.053 χ^2/NDF : 12602.3/24

Right Out: -2.963 ± 0.149 χ^2/NDF : 10520.6/32

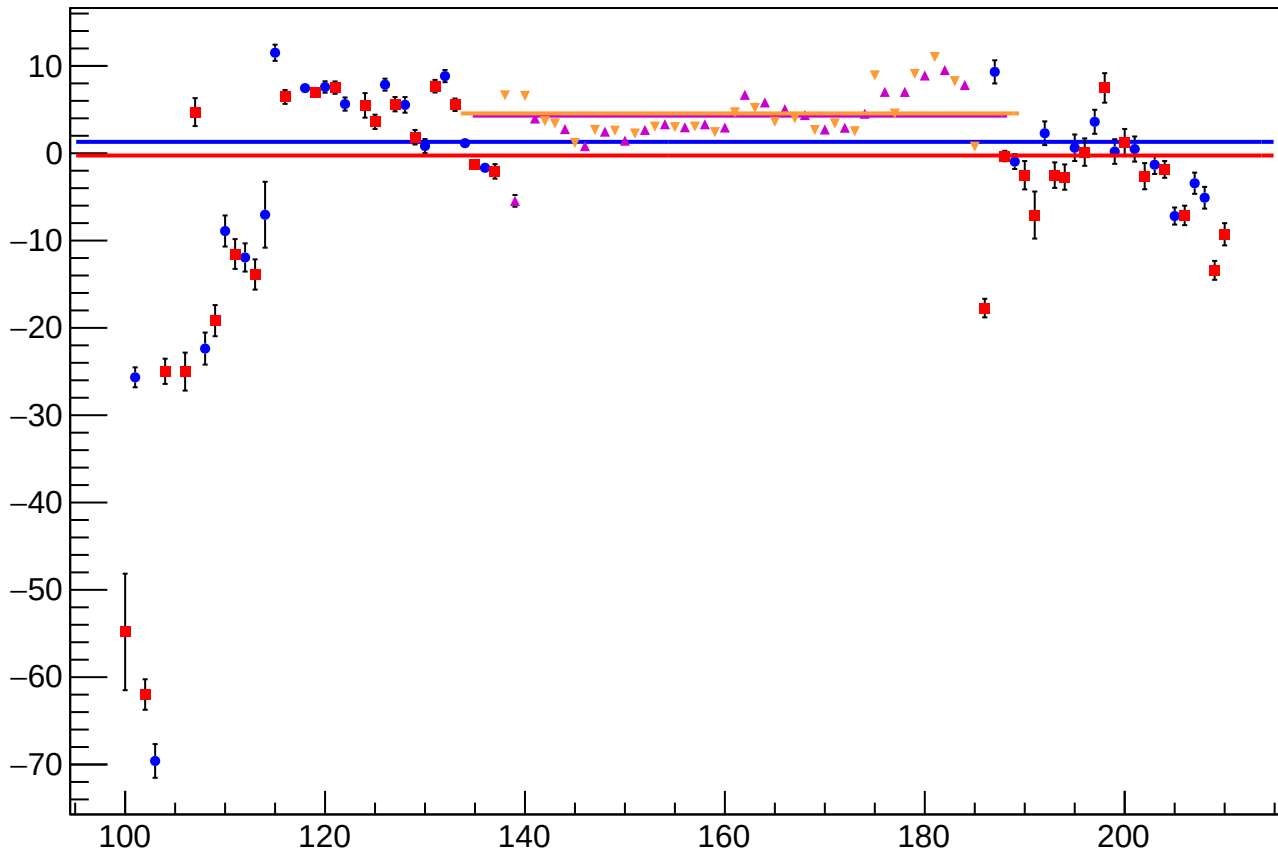
Left In: -11.301 ± 0.054 χ^2/NDF : 9229.2/22

+ sign -11.017 ± 0.050 χ^2/NDF : 16141.9/51

All: -10.685 ± 0.036 χ^2/NDF : 38735.0/107

- sign -10.340 ± 0.051 χ^2/NDF : 22502.2/55

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.305 ± 0.167 χ^2/NDF : 3018.9/26

Left Out: 4.564 ± 0.041 χ^2/NDF : 4356.3/24

Right Out: -0.259 ± 0.174 χ^2/NDF : 3179.2/32

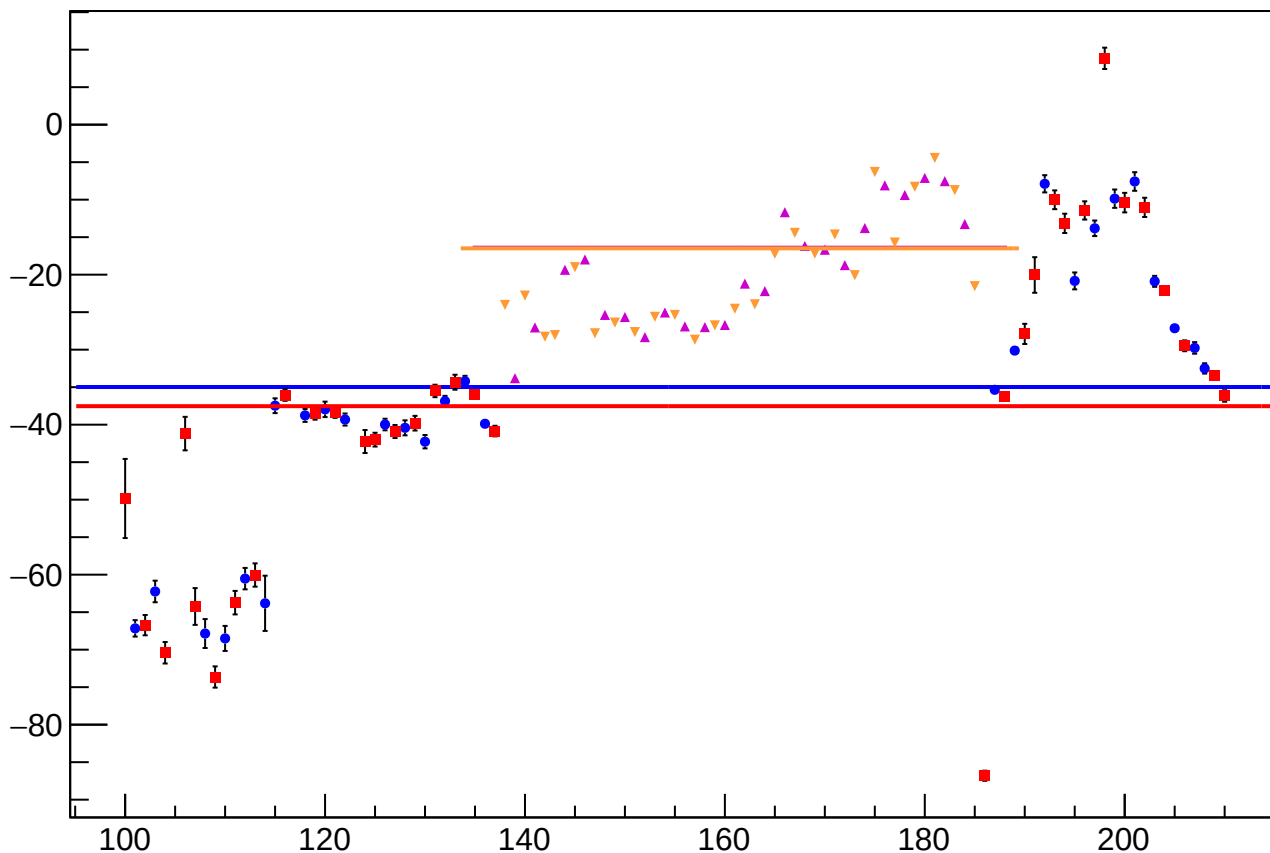
Left In: 4.308 ± 0.042 χ^2/NDF : 3609.0/22

+ sign 4.376 ± 0.040 χ^2/NDF : 7732.2/51

All: 4.218 ± 0.029 χ^2/NDF : 15205.5/107

- sign 4.054 ± 0.041 χ^2/NDF : 7441.8/55

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -34.980 ± 0.158 $\chi^2/\text{NDF}: 5383.6/26$

Left Out: -16.492 ± 0.053 $\chi^2/\text{NDF}: 21982.6/24$

Right Out: -37.534 ± 0.152 $\chi^2/\text{NDF}: 11813.4/32$

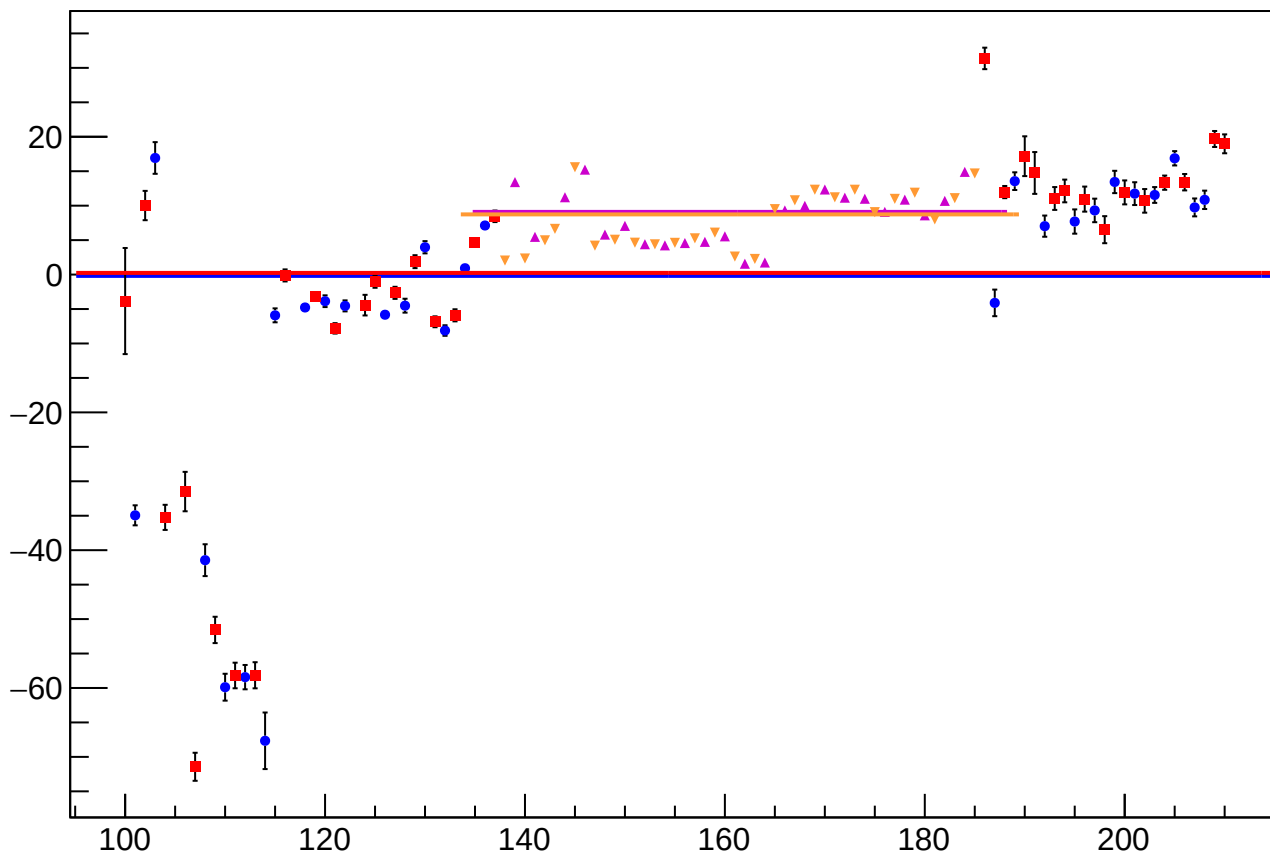
Left In: -16.403 ± 0.054 $\chi^2/\text{NDF}: 18032.3/22$

+ sign -18.338 ± 0.050 $\chi^2/\text{NDF}: 39616.2/51$

All: -18.548 ± 0.036 $\chi^2/\text{NDF}: 86654.4/107$

- sign -18.763 ± 0.051 $\chi^2/\text{NDF}: 47002.8/55$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -0.189 ± 0.188 χ^2/NDF : 4713.2/26

Left Out: 8.735 ± 0.046 χ^2/NDF : 6875.5/24

Right Out: 0.242 ± 0.198 χ^2/NDF : 6494.8/32

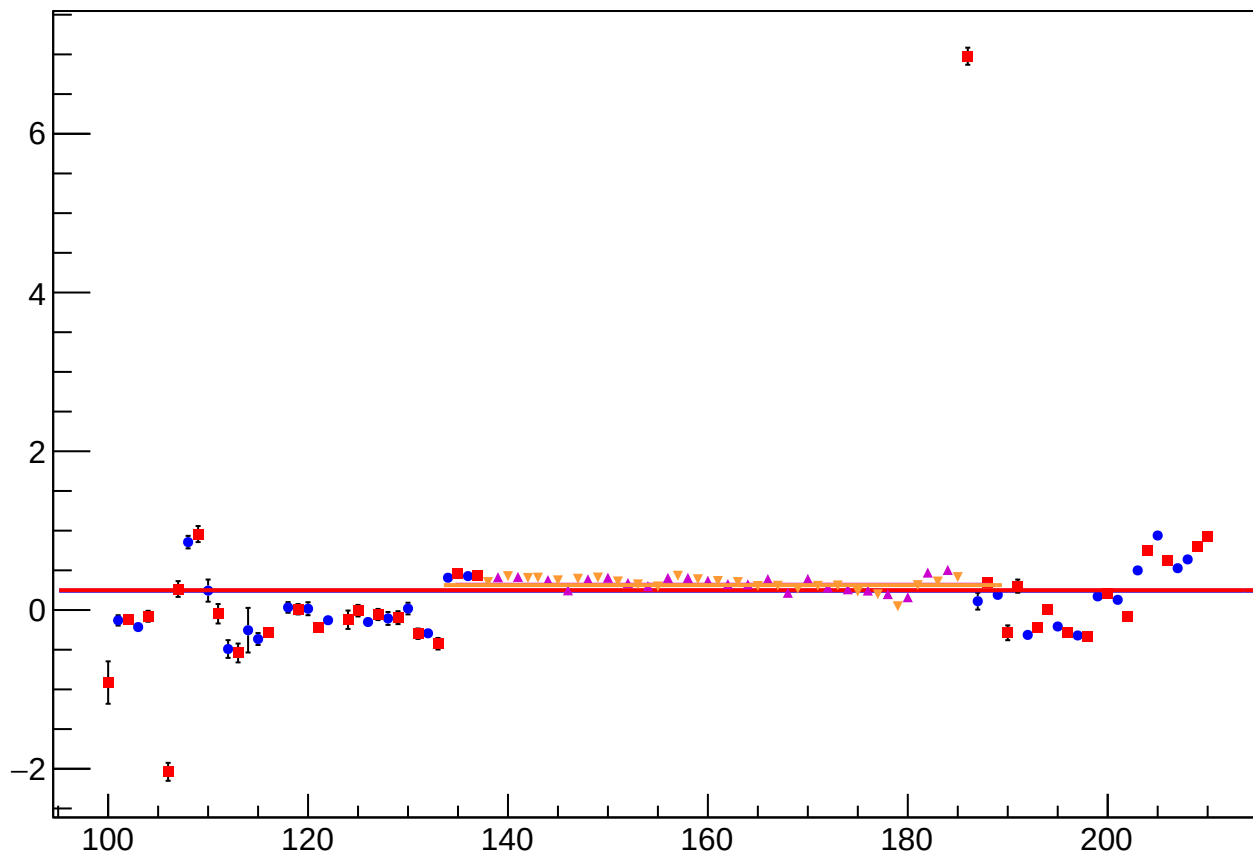
Left In: 9.096 ± 0.047 χ^2/NDF : 5739.5/22

+ sign 8.226 ± 0.045 χ^2/NDF : 13713.8/51

All: 8.421 ± 0.032 χ^2/NDF : 27872.3/107

- sign 8.624 ± 0.046 χ^2/NDF : 14120.0/55

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.243 $\pm$ 0.009 χ^2 /NDF: 1226.4/26

Left Out: 0.314 $\pm$ 0.002 χ^2 /NDF:1602.1/24

Right Out: 0.250 $\pm$ 0.010 χ^2 /NDF: 5762.8/32

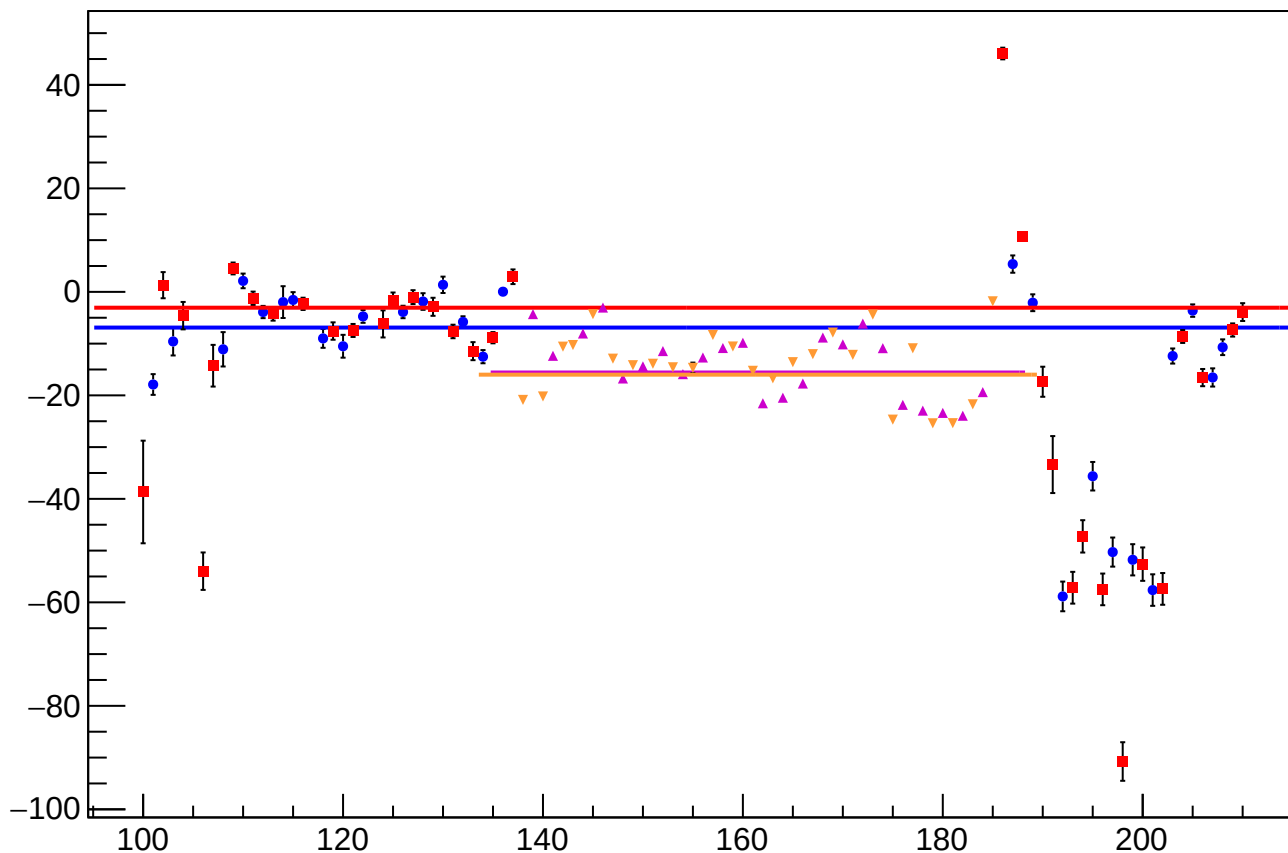
Left In: 0.319 $\pm$ 0.002 χ^2 /NDF:1787.8/22

+ sign 0.311 $\pm$ 0.002 χ^2 /NDF: 2883.4/51

All: 0.313 $\pm$ 0.001 χ^2 /NDF: 10483.7/107

- sign 0.316 $\pm$ 0.002 χ^2 /NDF: 7597.2/55

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -6.898 ± 0.294 $\chi^2/\text{NDF}: 1556.4/26$

Left Out: -16.000 ± 0.099 $\chi^2/\text{NDF}: 5962.8/24$

Right Out: -3.060 ± 0.282 $\chi^2/\text{NDF}: 4578.9/32$

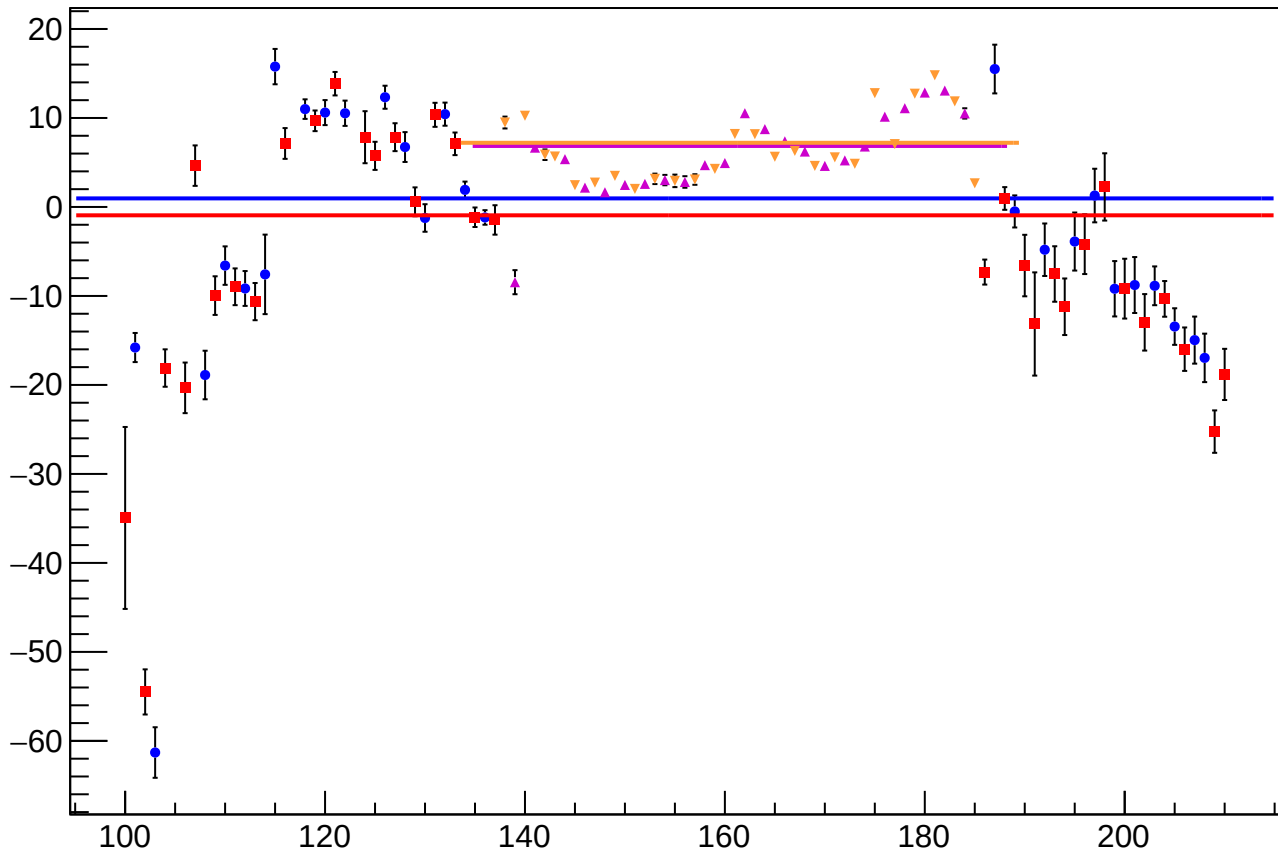
Left In: -15.582 ± 0.102 $\chi^2/\text{NDF}: 4759.9/22$

+ sign -15.064 ± 0.094 $\chi^2/\text{NDF}: 8381.6/51$

All: -14.609 ± 0.067 $\chi^2/\text{NDF}: 19509.2/107$

- sign -14.136 ± 0.096 $\chi^2/\text{NDF}: 11079.9/55$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.963 ± 0.324 χ^2/NDF : 1268.6/26

Left Out: 7.212 ± 0.080 χ^2/NDF : 2455.9/24

Right Out: -0.939 ± 0.330 χ^2/NDF : 1300.2/32

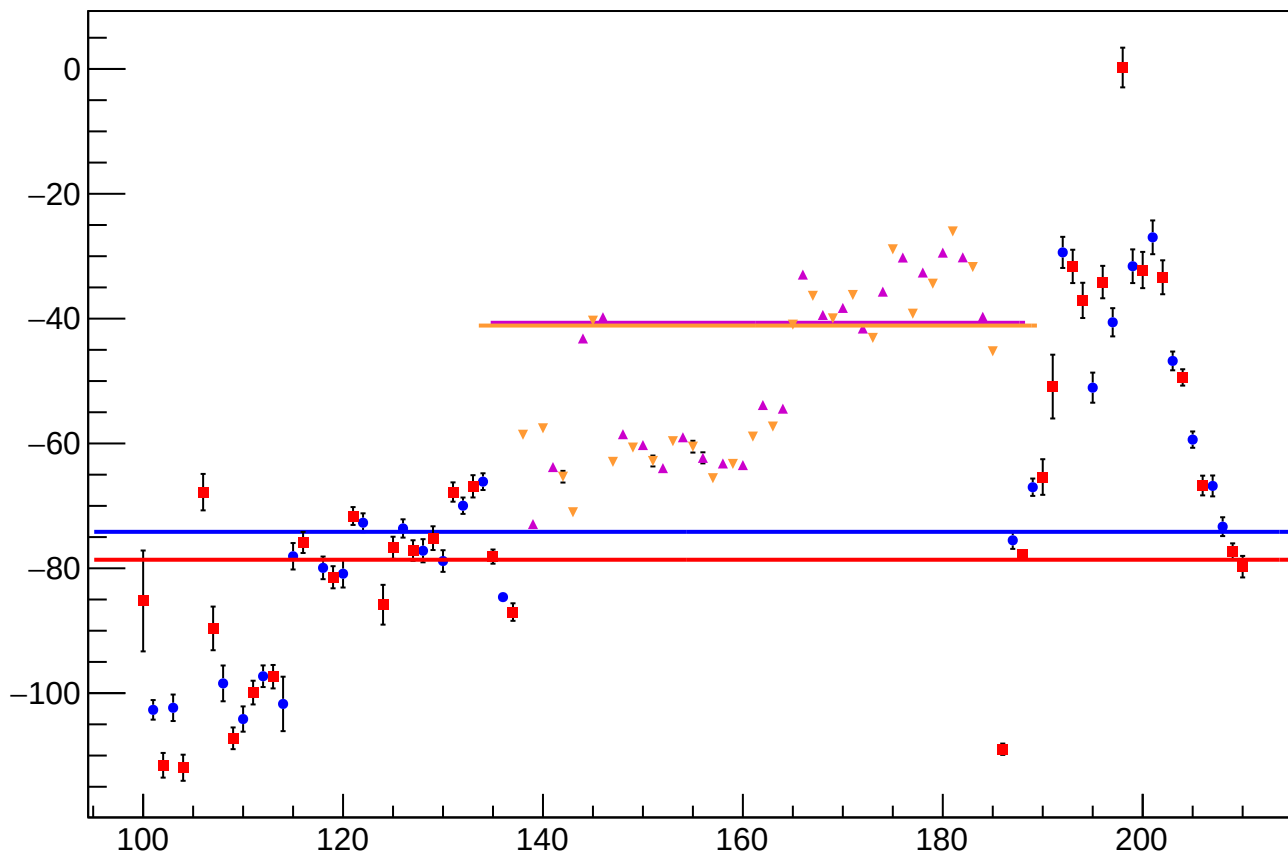
Left In: 6.856 ± 0.081 χ^2/NDF : 2156.4/22

+ sign 6.852 ± 0.078 χ^2/NDF : 4075.8/51

All: 6.634 ± 0.055 χ^2/NDF : 8075.7/107

- sign 6.411 ± 0.079 χ^2/NDF : 3984.0/55

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -74.158 ± 0.309 χ^2/NDF : 3008.8/26

Left Out: -41.111 ± 0.100 χ^2/NDF : 16000.8/24

Right Out: -78.629 ± 0.292 χ^2/NDF : 4920.3/32

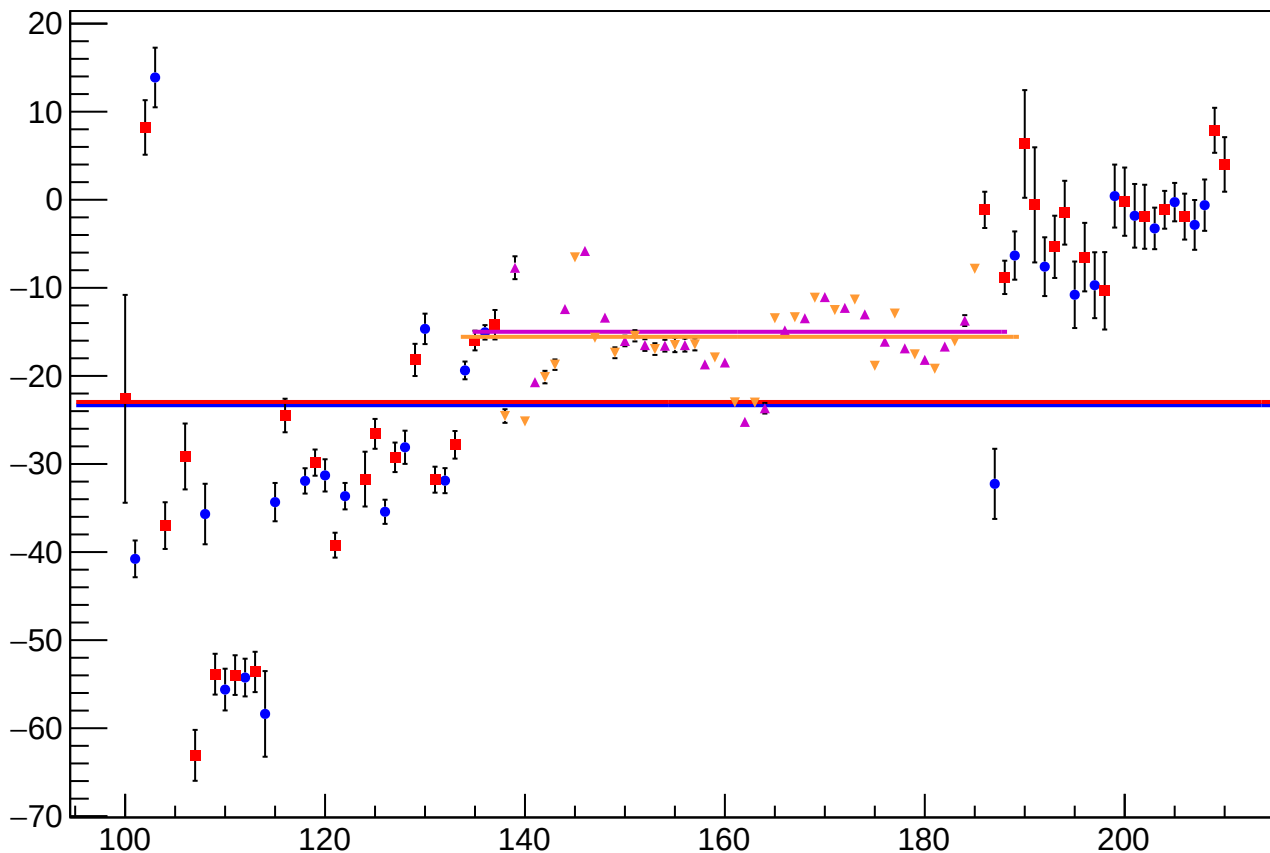
Left In: -40.665 ± 0.102 χ^2/NDF : 13541.3/22

+ sign -44.236 ± 0.095 χ^2/NDF : 29337.0/51

All: -44.524 ± 0.068 χ^2/NDF : 62917.2/107

- sign -44.821 ± 0.096 χ^2/NDF : 33561.5/55

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -23.327 ± 0.363 χ^2/NDF : 1507.3/26

Left Out: -15.562 ± 0.089 χ^2/NDF : 2549.5/24

Right Out: -22.958 ± 0.378 χ^2/NDF : 1918.4/32

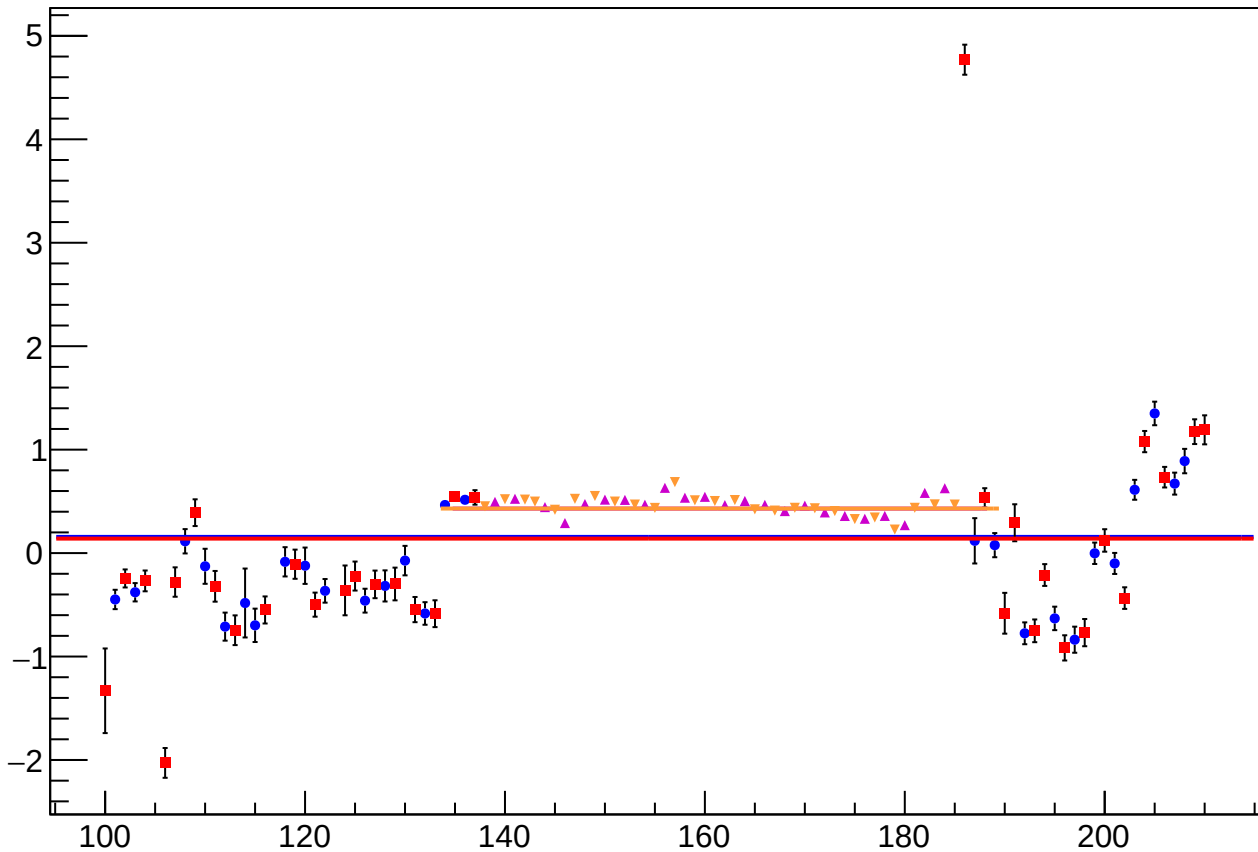
Left In: -14.990 ± 0.090 χ^2/NDF : 2150.9/22

+ sign -16.002 ± 0.086 χ^2/NDF : 4489.5/51

All: -15.716 ± 0.062 χ^2/NDF : 9000.7/107

- sign -15.419 ± 0.088 χ^2/NDF : 4488.8/55

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.156 ± 0.018 χ^2/NDF : 814.4/26

Left Out: 0.431 ± 0.004 χ^2/NDF : 418.4/24

Right Out: 0.140 ± 0.019 χ^2/NDF : 2135.4/32

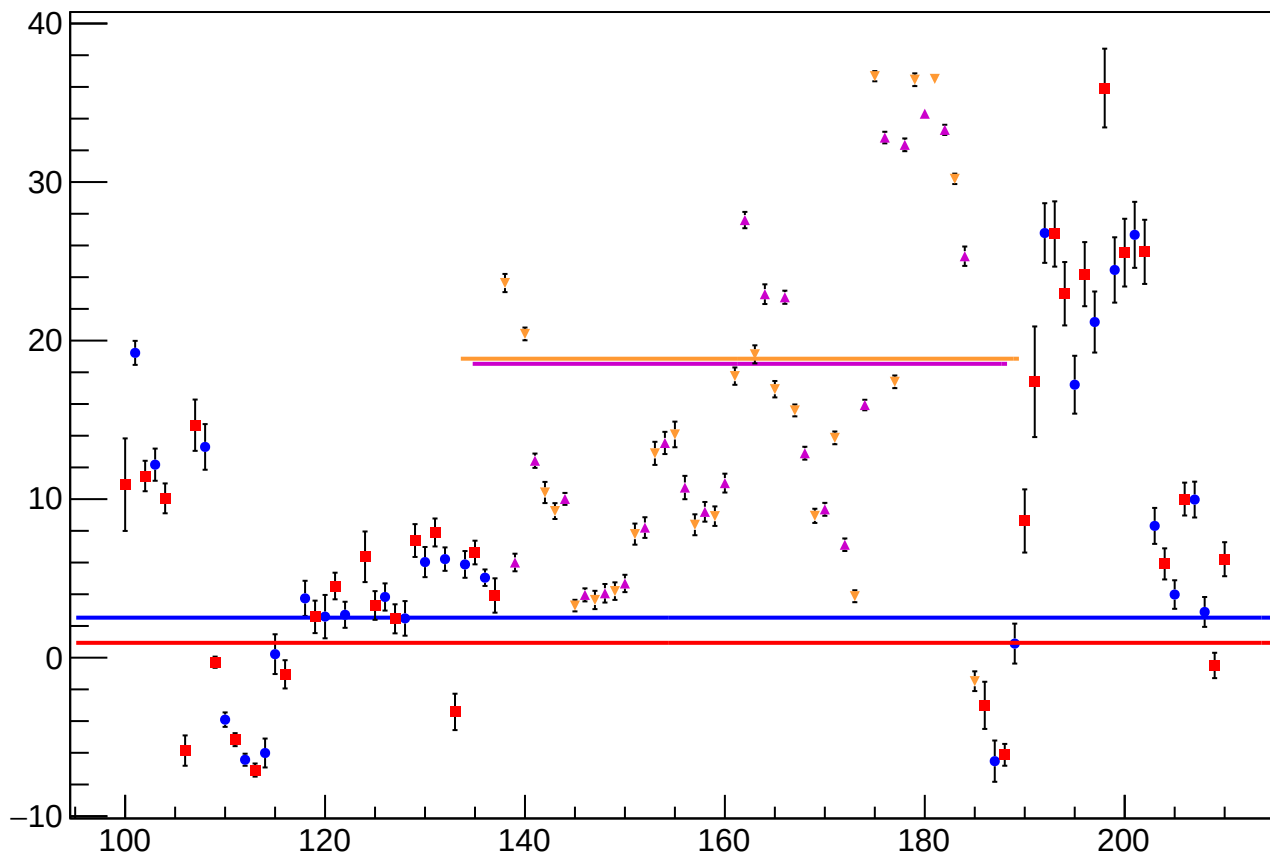
Left In: 0.430 ± 0.004 χ^2/NDF : 583.6/22

+ sign 0.418 ± 0.004 χ^2/NDF : 1451.2/51

All: 0.418 ± 0.003 χ^2/NDF : 4386.6/107

- sign 0.418 ± 0.004 χ^2/NDF : 2935.5/55

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.525 ± 0.166 χ^2/NDF : 2254.1/26

Left Out: 18.858 ± 0.090 χ^2/NDF : 18374.1/24

Right Out: 0.936 ± 0.150 χ^2/NDF : 2354.8/32

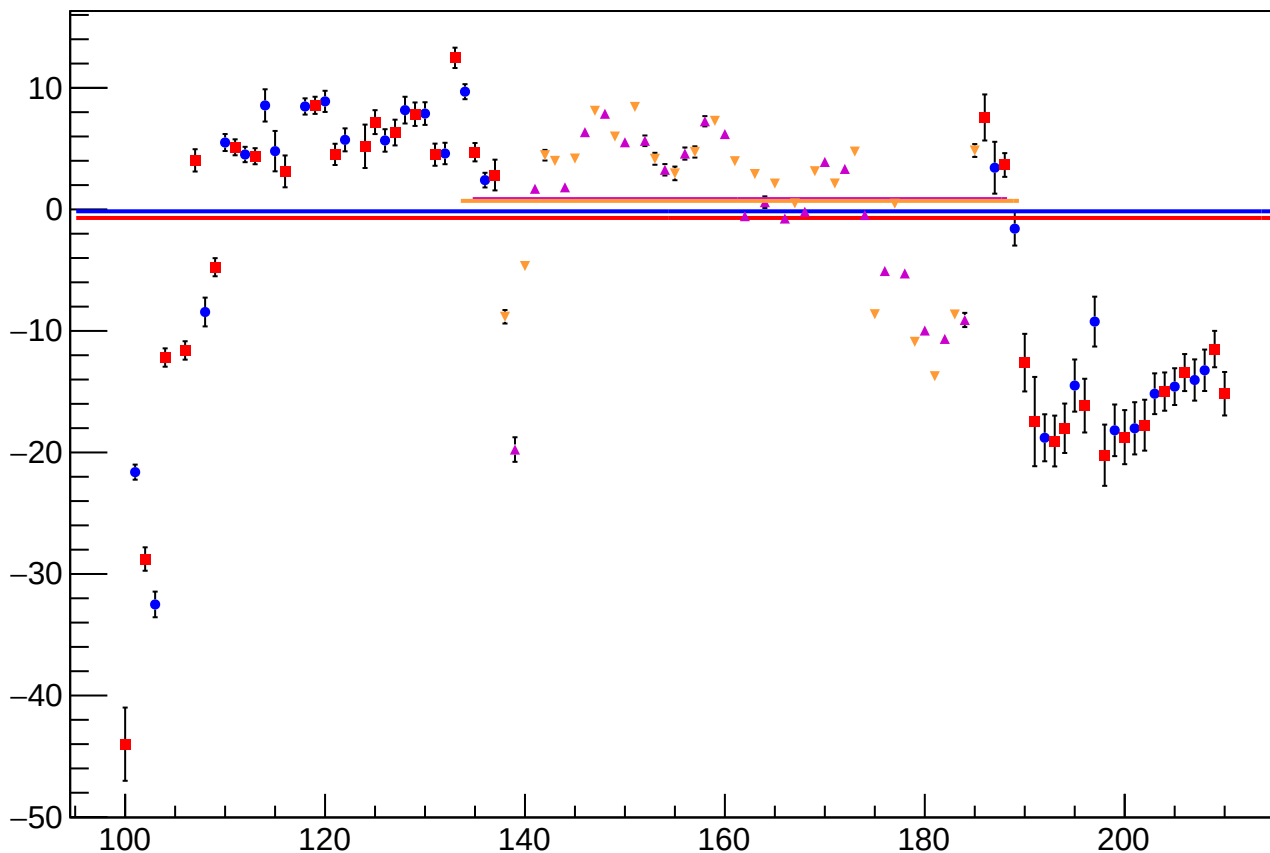
Left In: 18.535 ± 0.093 χ^2/NDF : 14066.0/22

+ sign 15.122 ± 0.079 χ^2/NDF : 28094.0/51

All: 14.379 ± 0.056 χ^2/NDF : 54602.3/107

- sign 13.639 ± 0.079 χ^2/NDF : 26333.5/55

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -0.156 ± 0.191 χ^2/NDF : 3742.2/26

Left Out: 0.702 ± 0.071 χ^2/NDF : 8237.8/24

Right Out: -0.704 ± 0.186 χ^2/NDF : 3184.5/32

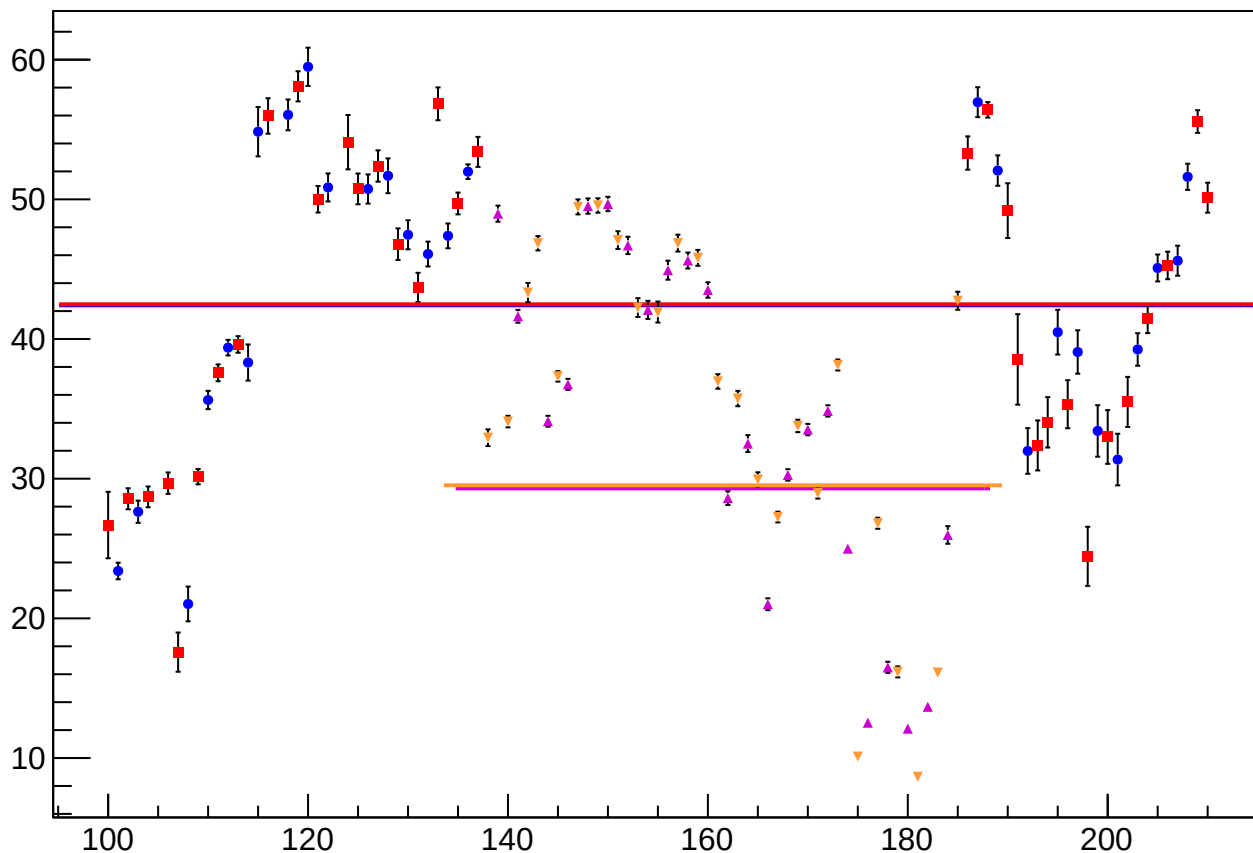
Left In: 0.847 ± 0.072 χ^2/NDF : 6045.4/22

+ sign 0.598 ± 0.066 χ^2/NDF : 11997.8/51

All: 0.620 ± 0.047 χ^2/NDF : 21288.4/107

- sign 0.642 ± 0.067 χ^2/NDF : 9290.3/55

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 42.415 $\pm$ 0.183 χ^2 /NDF: 3258.7/26

Left Out: 29.526 $\pm$ 0.091 χ^2 /NDF:21083.7/24

Right Out: 42.485 $\pm$ 0.170 χ^2 /NDF: 4058.3/32

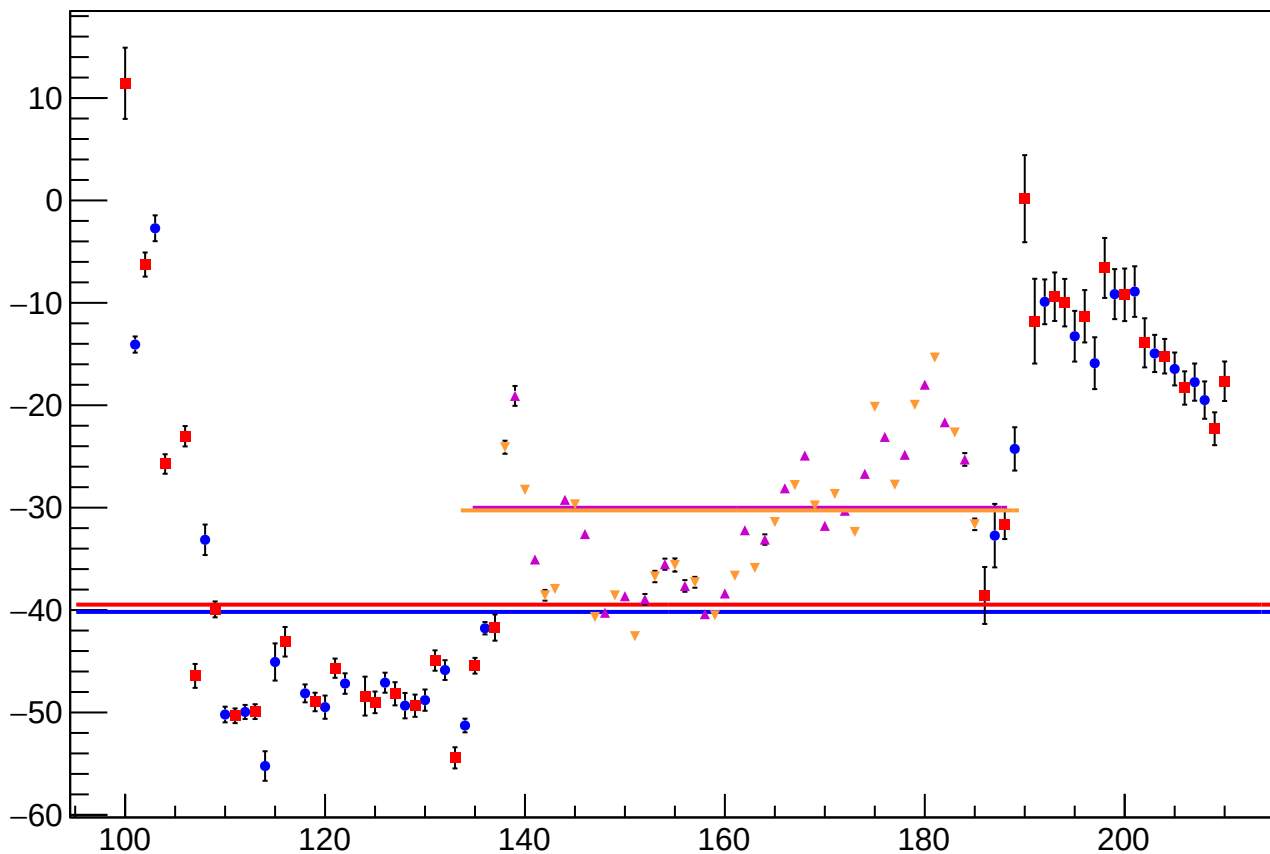
Left In: 29.306 $\pm$ 0.093 χ^2 /NDF:17870.3/22

+ sign 32.061 $\pm$ 0.081 χ^2 /NDF: 28324.2/51

All: 32.207 $\pm$ 0.058 χ^2 /NDF: 54894.6/107

- sign 32.354 $\pm$ 0.082 χ^2 /NDF: 26563.9/55

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -40.181 ± 0.216 χ^2/NDF : 4646.8/26

Left Out: -30.268 ± 0.079 χ^2/NDF : 8500.0/24

Right Out: -39.469 ± 0.213 χ^2/NDF : 4277.0/32

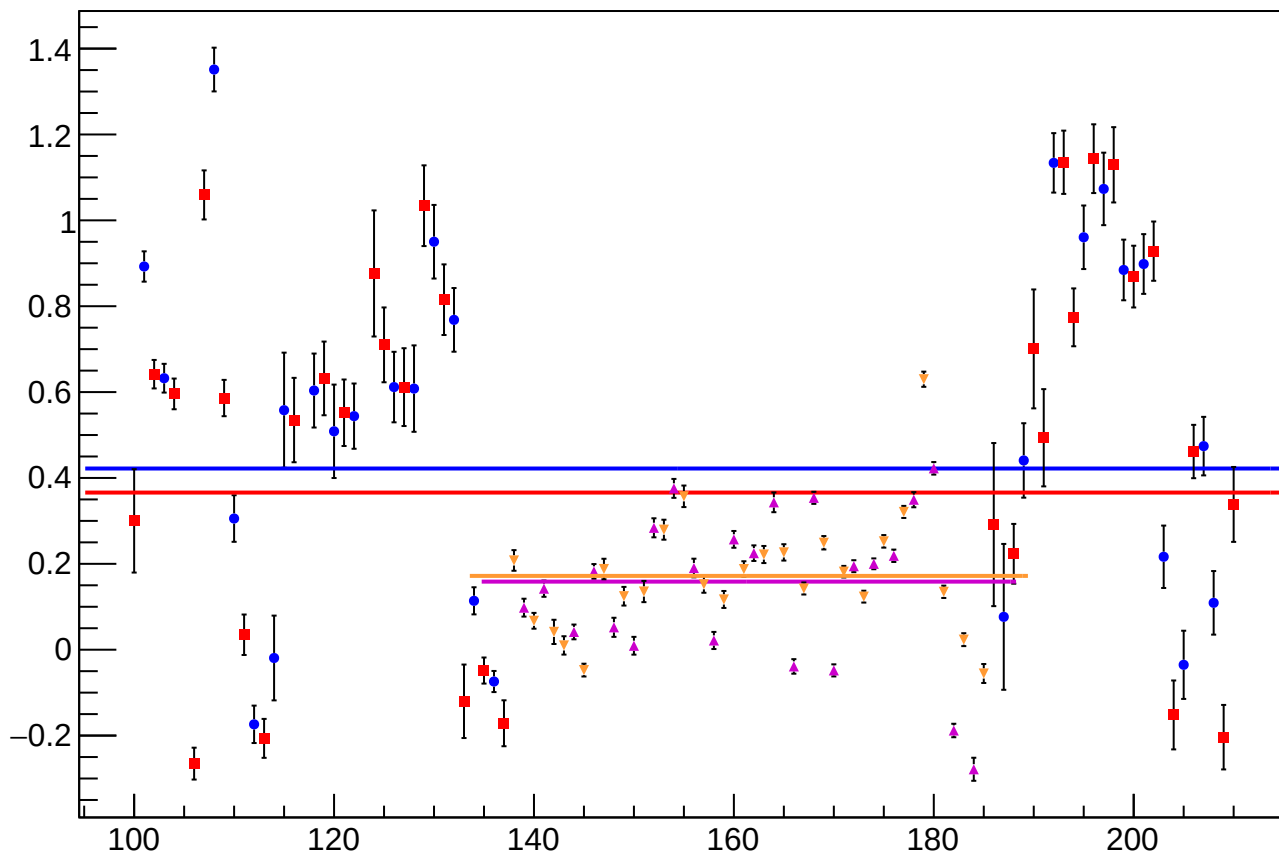
Left In: -30.012 ± 0.081 χ^2/NDF : 6083.1/22

+ sign -31.447 ± 0.074 χ^2/NDF : 15007.9/51

All: -31.335 ± 0.053 χ^2/NDF : 27099.7/107

- sign -31.219 ± 0.076 χ^2/NDF : 12087.1/55

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.422 $\pm$ 0.011 χ^2 /NDF: 1712.2/26

Left Out: 0.172 $\pm$ 0.004 χ^2 /NDF:1501.3/24

Right Out: 0.366 $\pm$ 0.011 χ^2 /NDF: 1780.5/32

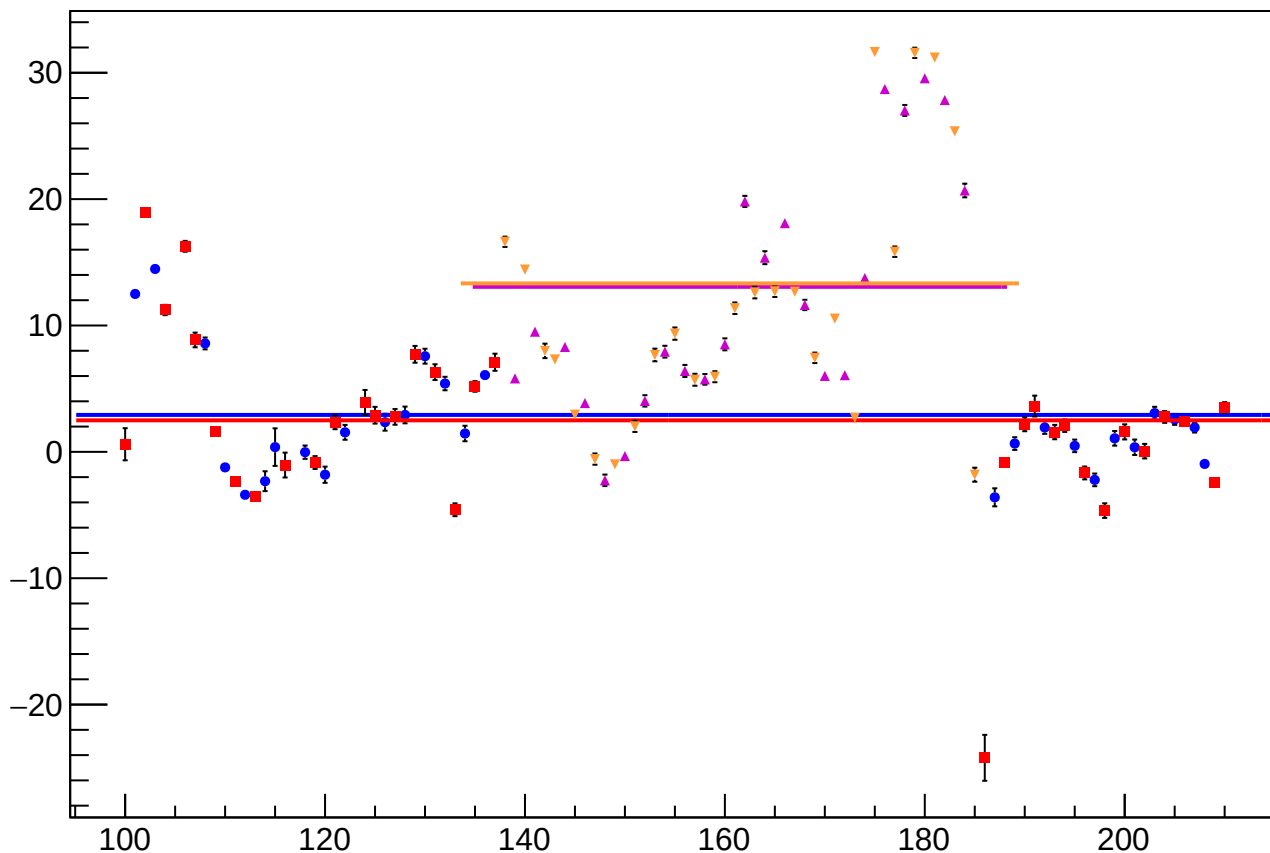
Left In: 0.159 $\pm$ 0.004 χ^2 /NDF:2187.4/22

+ sign 0.196 $\pm$ 0.003 χ^2 /NDF: 3697.1/51

All: 0.189 $\pm$ 0.002 χ^2 /NDF: 8022.0/107

- sign 0.181 $\pm$ 0.003 χ^2 /NDF: 4314.2/55

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.924 $\pm$ 0.091 χ^2 /NDF: 3194.5/26

Left Out: 13.331 $\pm$ 0.077 χ^2 /NDF:19432.7/24

Right Out: 2.494 $\pm$ 0.081 χ^2 /NDF: 5386.5/32

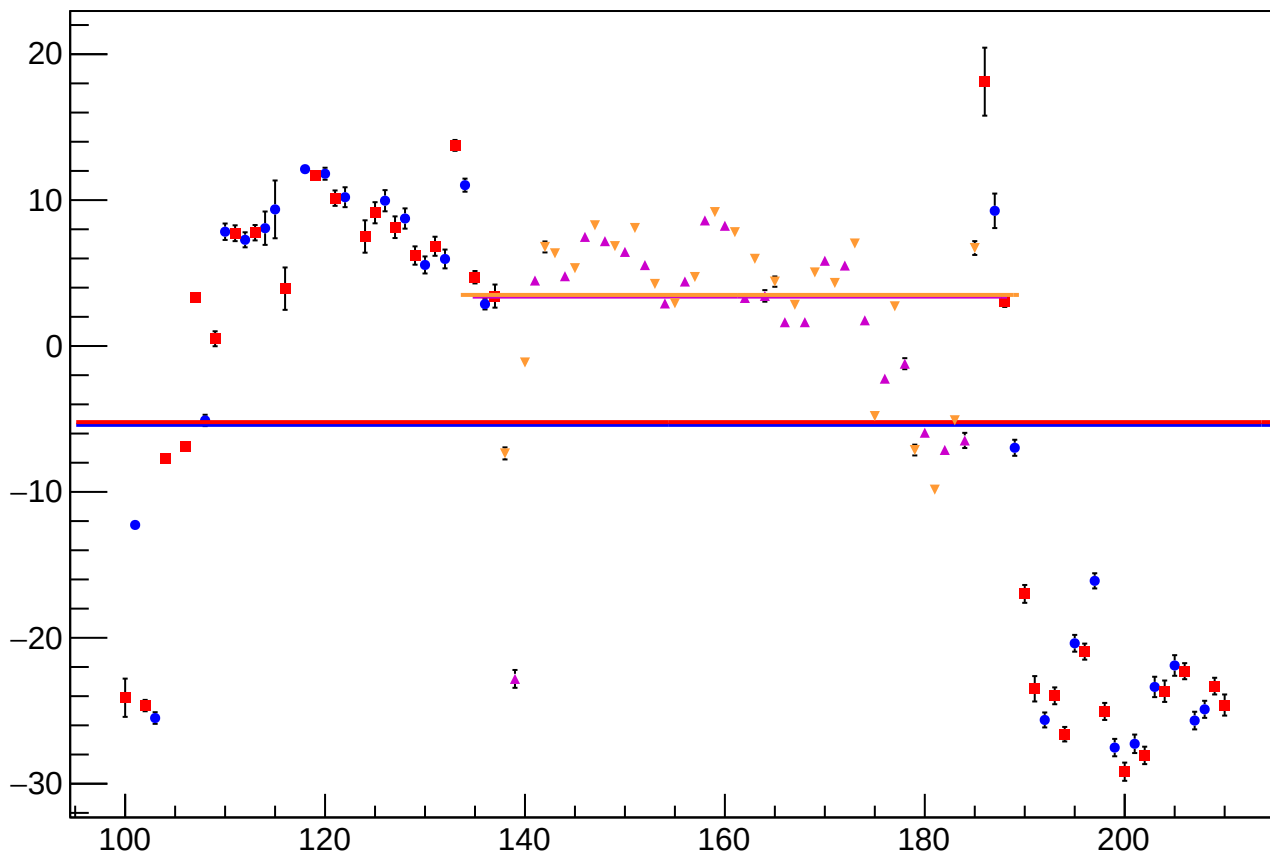
Left In: 13.061 $\pm$ 0.079 χ^2 /NDF:15559.8/22

+ sign 8.996 $\pm$ 0.059 χ^2 /NDF: 30281.5/51

All: 8.430 $\pm$ 0.041 χ^2 /NDF: 60074.2/107

- sign 7.901 $\pm$ 0.057 χ^2 /NDF: 29612.6/55

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -5.404 ± 0.098 $\chi^2/\text{NDF}: 22064.3/26$

Left Out: 3.502 ± 0.059 $\chi^2/\text{NDF}: 7911.7/24$

Right Out: -5.217 ± 0.091 $\chi^2/\text{NDF}: 25567.4/32$

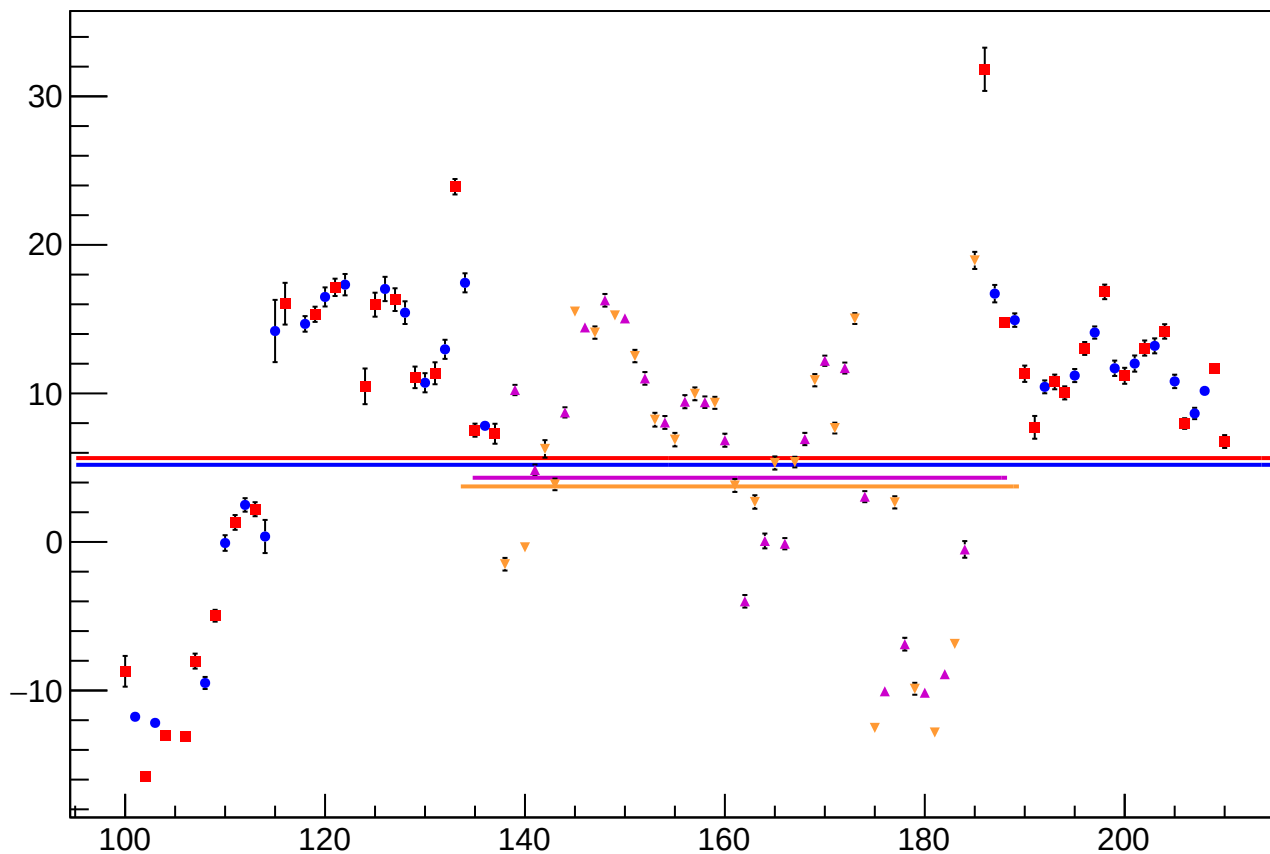
Left In: 3.385 ± 0.061 $\chi^2/\text{NDF}: 6707.6/22$

+ sign 1.162 ± 0.050 $\chi^2/\text{NDF}: 36054.1/51$

All: 0.940 ± 0.036 $\chi^2/\text{NDF}: 74541.8/107$

- sign 0.714 ± 0.051 $\chi^2/\text{NDF}: 38448.3/55$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 5.193 ± 0.089 χ^2/NDF : 13868.1/26

Left Out: 3.738 ± 0.076 χ^2/NDF : 15586.7/24

Right Out: 5.646 ± 0.080 χ^2/NDF : 20395.5/32

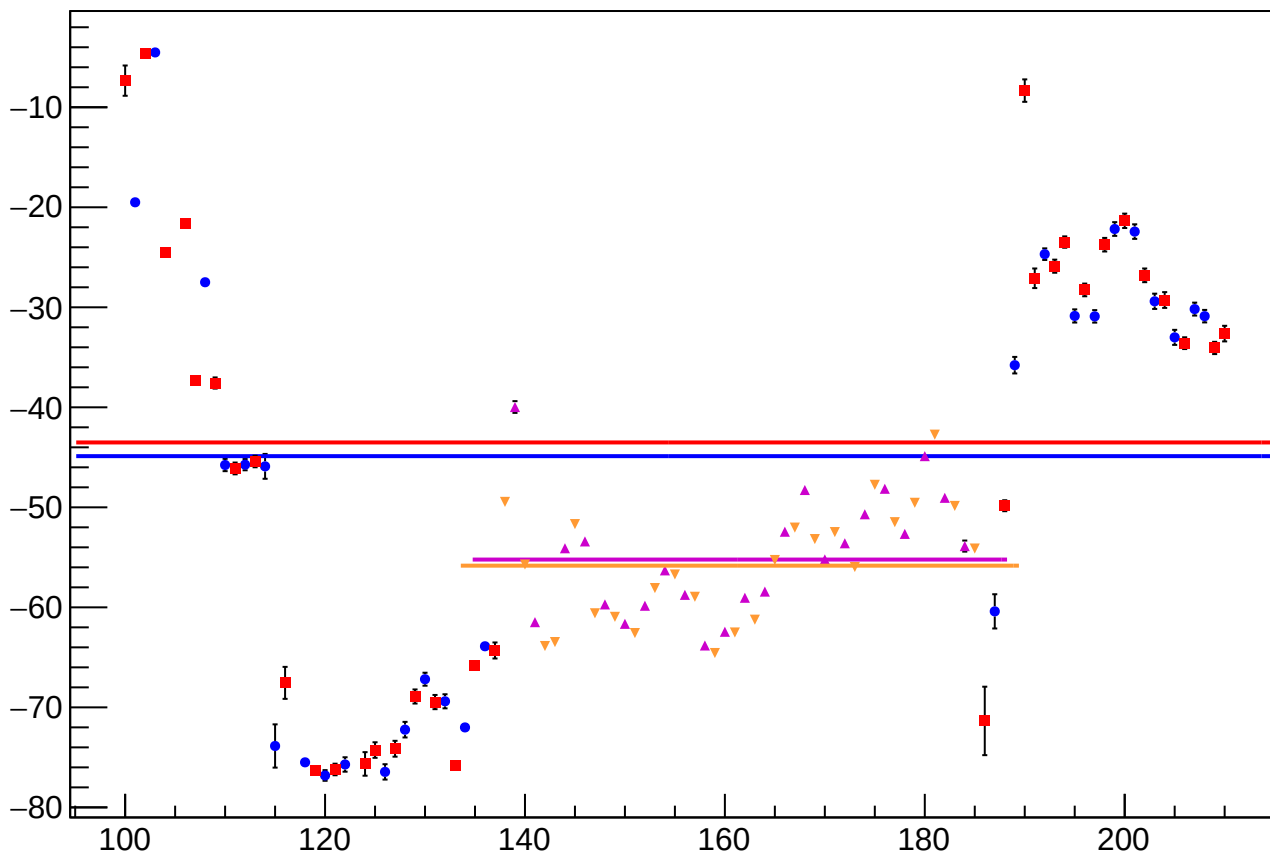
Left In: 4.322 ± 0.079 χ^2/NDF : 12483.3/22

+ sign 4.355 ± 0.058 χ^2/NDF : 29608.7/51

All: 4.676 ± 0.040 χ^2/NDF : 62686.6/107

- sign 4.975 ± 0.056 χ^2/NDF : 33018.7/55

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -44.882 ± 0.114 $\chi^2/\text{NDF}: 42055.3/26$

Left Out: -55.832 ± 0.066 $\chi^2/\text{NDF}: 7592.5/24$

Right Out: -43.513 ± 0.107 $\chi^2/\text{NDF}: 43794.8/32$

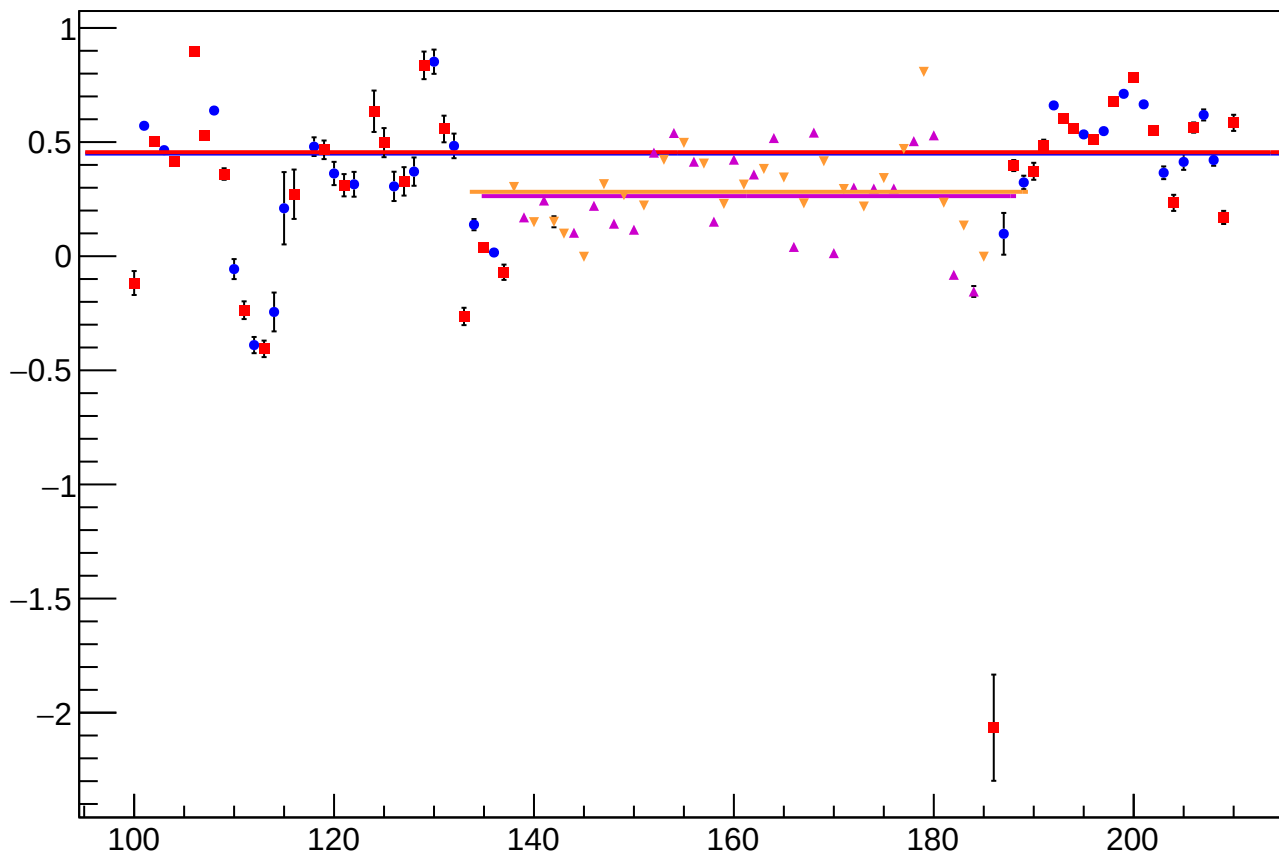
Left In: -55.222 ± 0.069 $\chi^2/\text{NDF}: 6343.0/22$

+ sign -53.078 ± 0.057 $\chi^2/\text{NDF}: 56498.5/51$

All: -52.454 ± 0.041 $\chi^2/\text{NDF}: 115314.8/107$

- sign -51.819 ± 0.058 $\chi^2/\text{NDF}: 58577.6/55$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.450 ± 0.005 χ^2/NDF : 2607.7/26

Left Out: 0.282 ± 0.003 χ^2/NDF : 2712.4/24

Right Out: 0.456 ± 0.004 χ^2/NDF : 3762.9/32

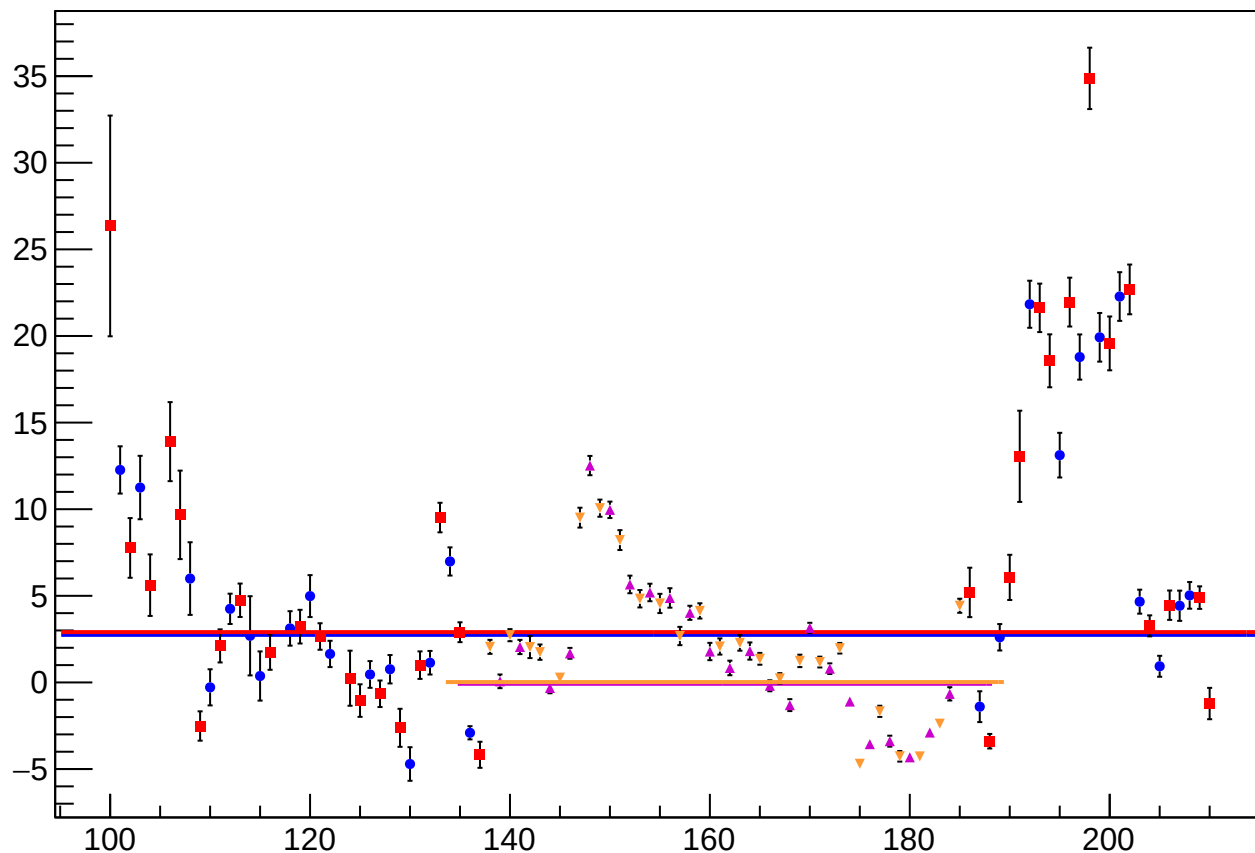
Left In: 0.263 ± 0.003 χ^2/NDF : 3835.8/22

+ sign 0.330 ± 0.003 χ^2/NDF : 6214.1/51

All: 0.327 ± 0.002 χ^2/NDF : 15107.7/107

- sign 0.325 ± 0.002 χ^2/NDF : 8892.1/55

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.747 ± 0.167 χ^2/NDF : 1225.2/26

Left Out: 0.022 ± 0.069 χ^2/NDF : 2759.3/24

Right Out: 2.905 ± 0.164 χ^2/NDF : 1701.6/32

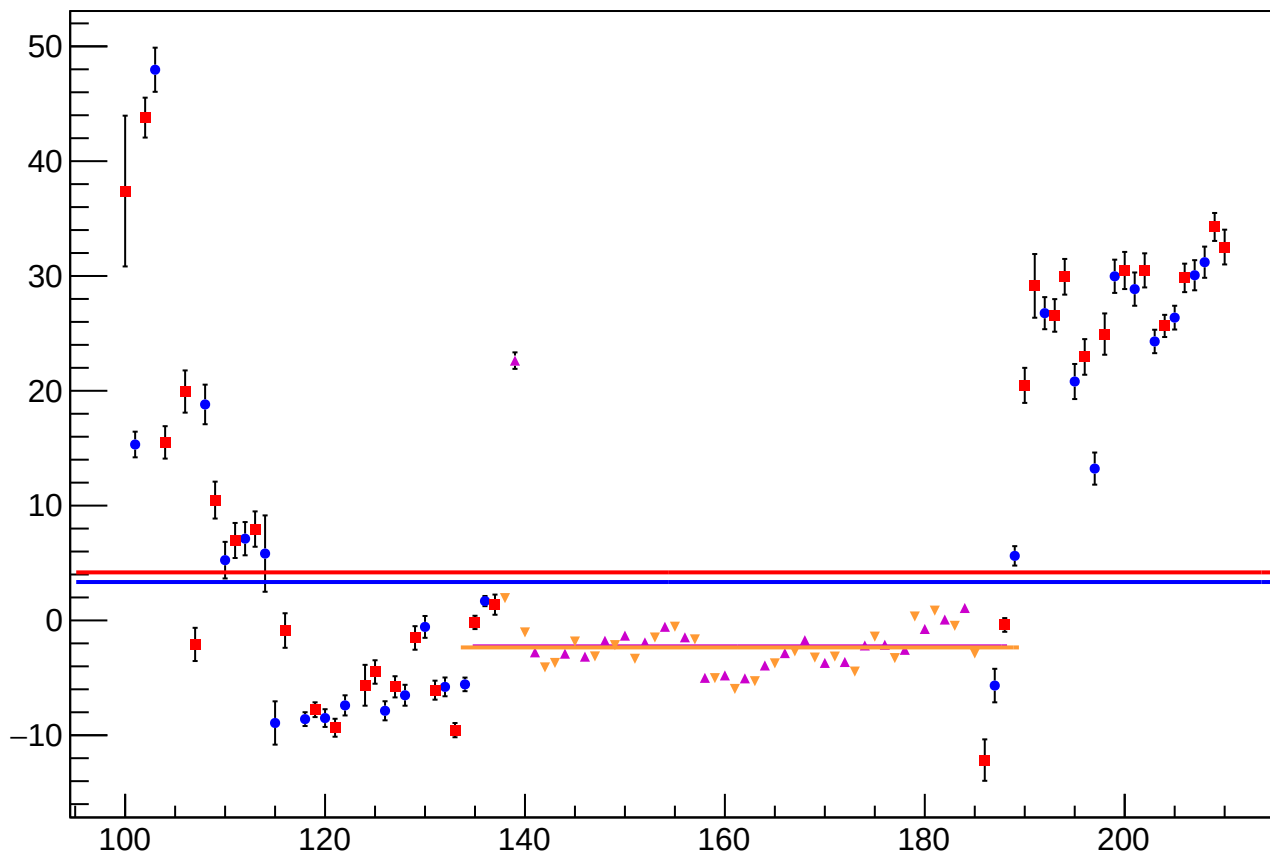
Left In: -0.080 ± 0.071 χ^2/NDF : 2464.5/22

+ sign 0.413 ± 0.063 χ^2/NDF : 4211.5/51

All: 0.402 ± 0.045 χ^2/NDF : 8658.4/107

- sign 0.390 ± 0.065 χ^2/NDF : 4446.8/55

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 3.344 ± 0.186 χ^2/NDF : 5153.5/26

Left Out: -2.352 ± 0.055 χ^2/NDF : 1125.6/24

Right Out: 4.184 ± 0.189 χ^2/NDF : 5941.4/32

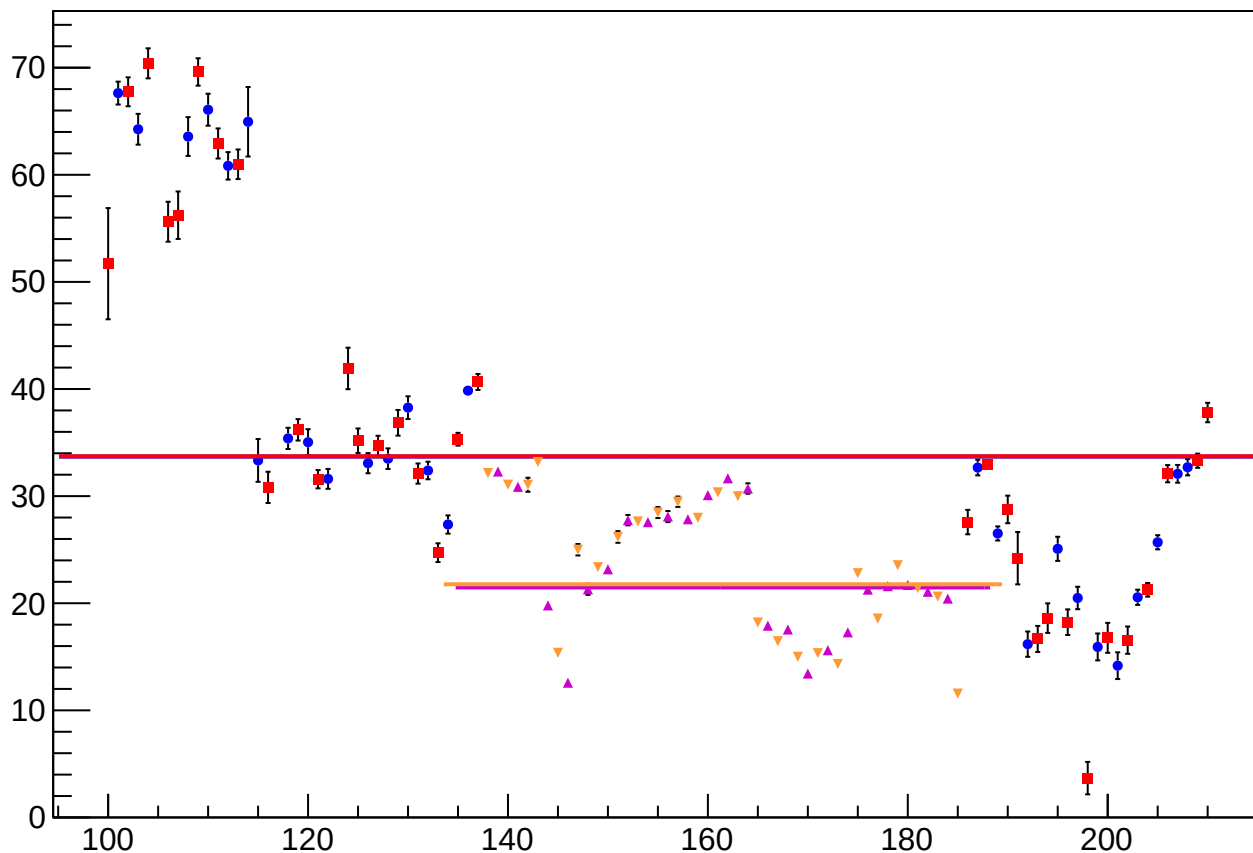
Left In: -2.257 ± 0.056 χ^2/NDF : 1877.2/22

+ sign -1.893 ± 0.053 χ^2/NDF : 7140.1/51

All: -1.813 ± 0.038 χ^2/NDF : 16032.1/107

- sign -1.729 ± 0.054 χ^2/NDF : 8887.3/55

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 33.693 $\pm$ 0.172 χ^2 /NDF: 4586.8/26

Left Out: 21.768 $\pm$ 0.069 χ^2 /NDF: 6814.2/24

Right Out: 33.721 $\pm$ 0.164 χ^2 /NDF: 5109.7/32

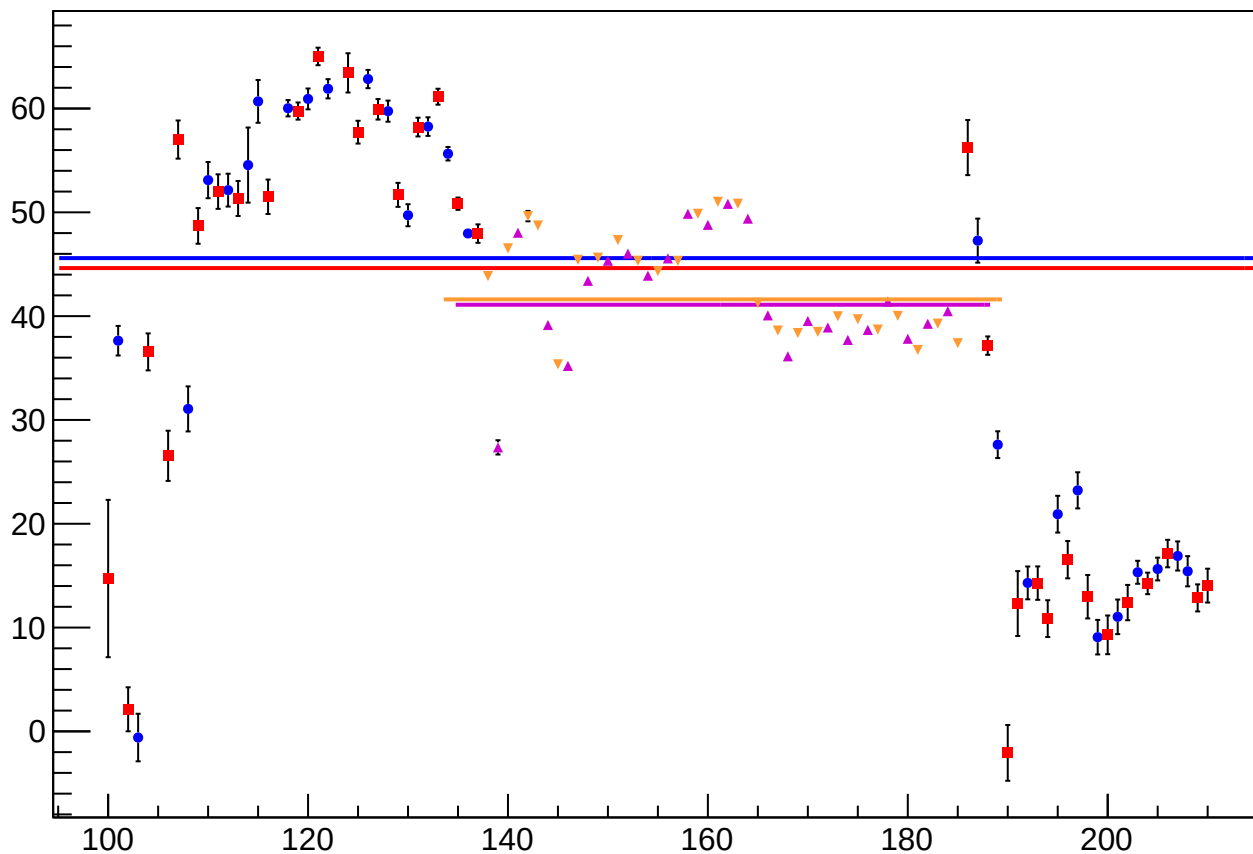
Left In: 21.472 $\pm$ 0.071 χ^2 /NDF: 5787.4/22

+ sign 23.423 $\pm$ 0.064 χ^2 /NDF: 15563.0/51

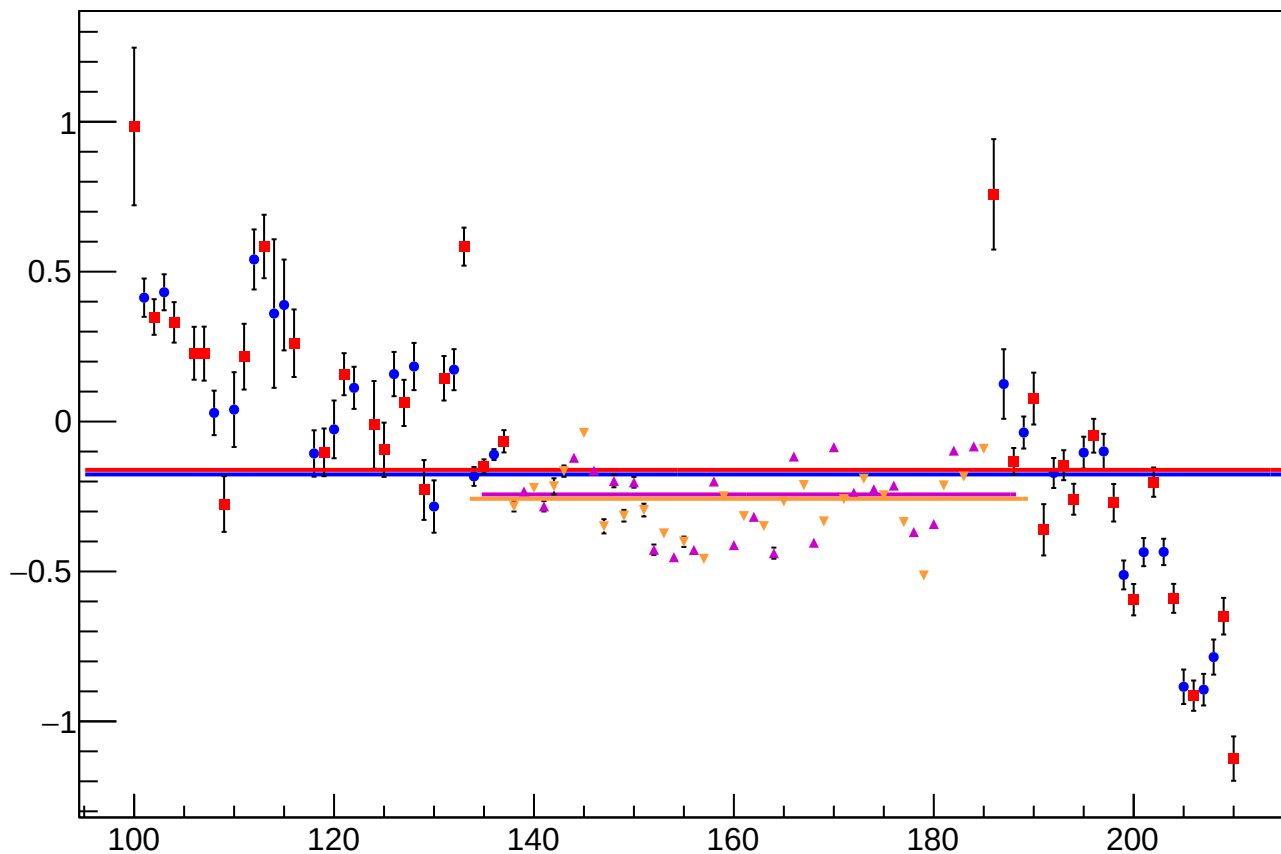
All: 23.407 $\pm$ 0.046 χ^2 /NDF: 31170.8/107

- sign 23.389 $\pm$ 0.065 χ^2 /NDF: 15607.6/55

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.176+/-0.010 χ^2/NDF : 947.2/26

Left Out: -0.258+/-0.003 χ^2/NDF : 1515.1/24

Right Out: -0.161+/-0.010 χ^2/NDF : 1107.5/32

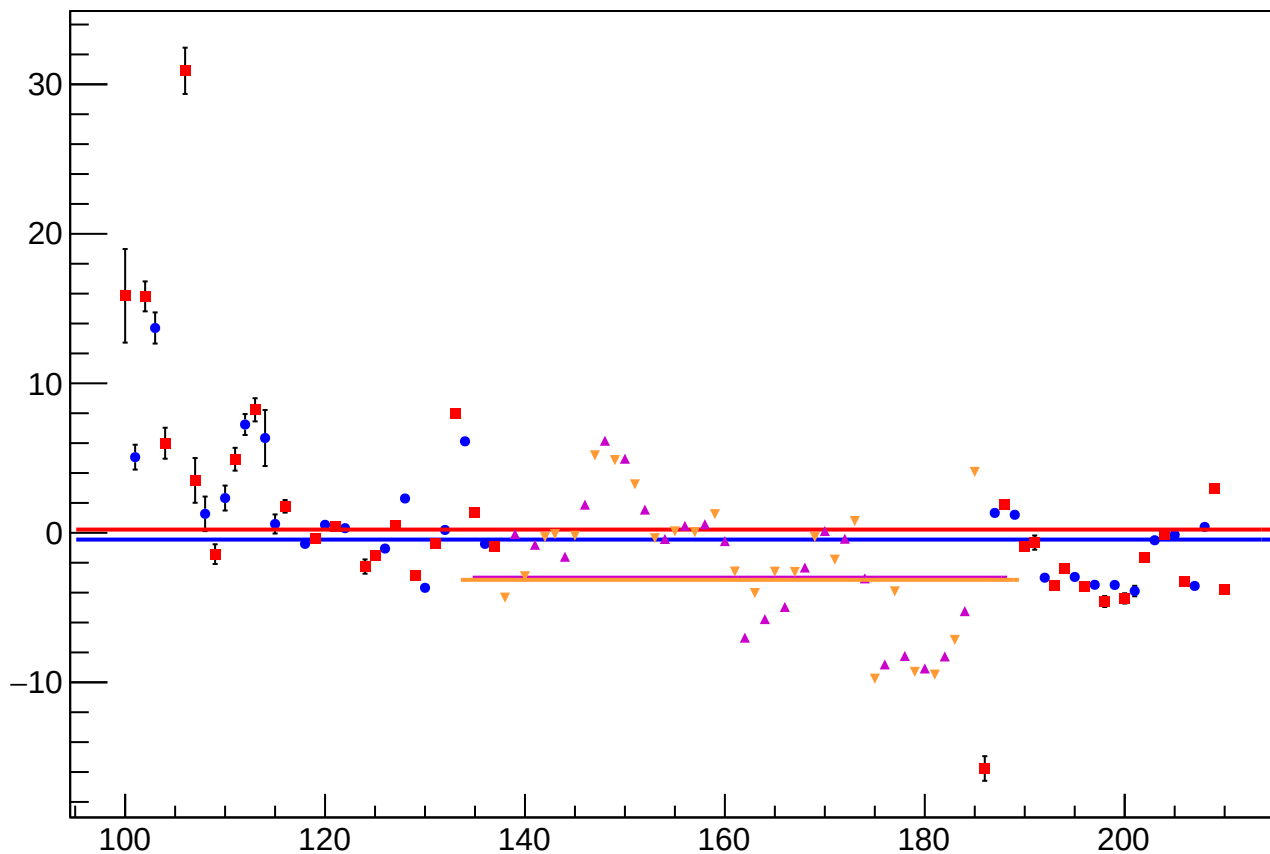
Left In: -0.243+/-0.003 χ^2/NDF : 1811.8/22

+ sign -0.252+/-0.003 χ^2/NDF : 2523.3/51

All: -0.245+/-0.002 χ^2/NDF : 5514.7/107

- sign -0.238+/-0.003 χ^2/NDF : 2976.7/55

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.451 ± 0.052 χ^2/NDF : 1991.6/26

Left Out: -3.144 ± 0.028 χ^2/NDF : 25358.6/24

Right Out: 0.218 ± 0.048 χ^2/NDF : 5071.6/32

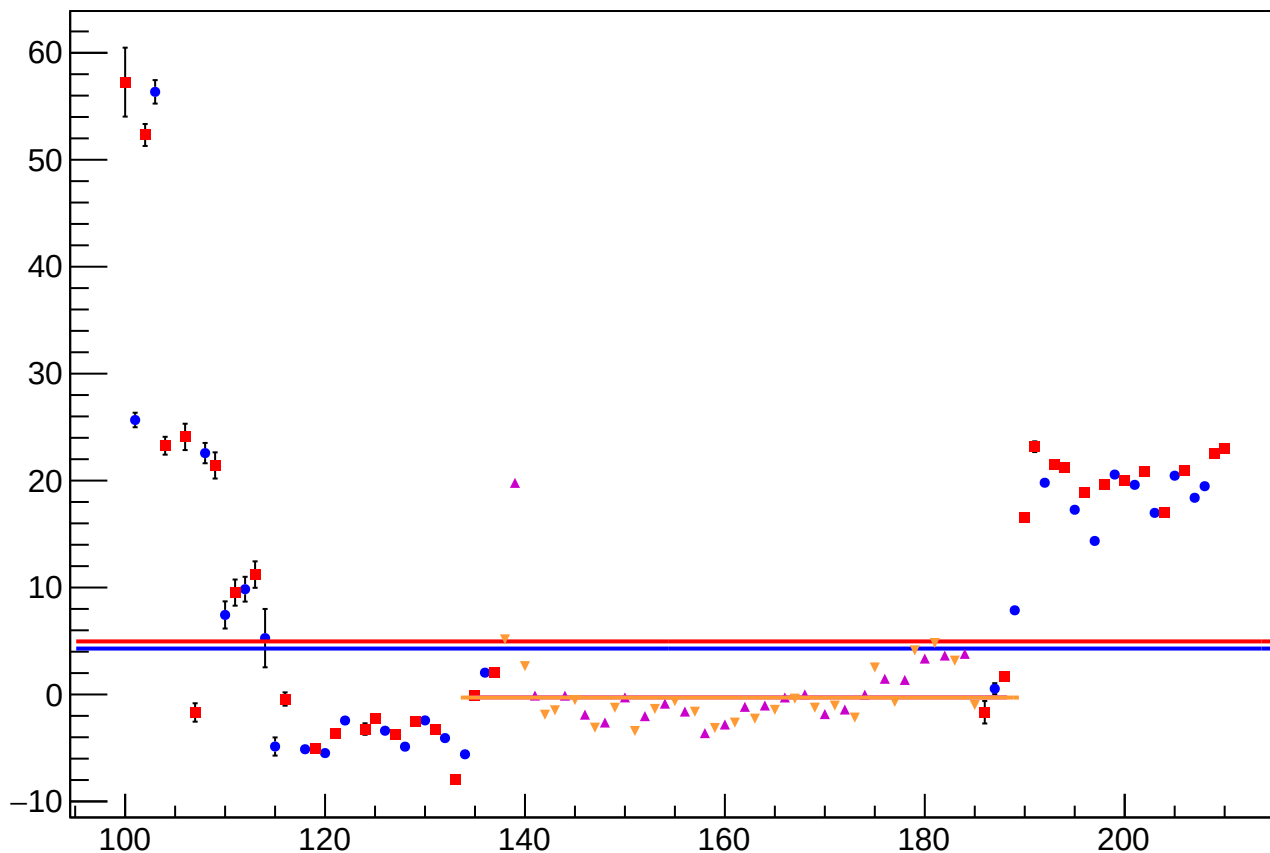
Left In: -2.999 ± 0.028 χ^2/NDF : 22425.0/22

+ sign -2.546 ± 0.024 χ^2/NDF : 29446.6/51

All: -2.351 ± 0.017 χ^2/NDF : 60415.1/107

- sign -2.157 ± 0.024 χ^2/NDF : 30842.0/55

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 4.294 ± 0.056 χ^2/NDF : 36734.6/26

Left Out: -0.288 ± 0.022 χ^2/NDF : 12198.2/24

Right Out: 4.962 ± 0.053 χ^2/NDF : 49758.4/32

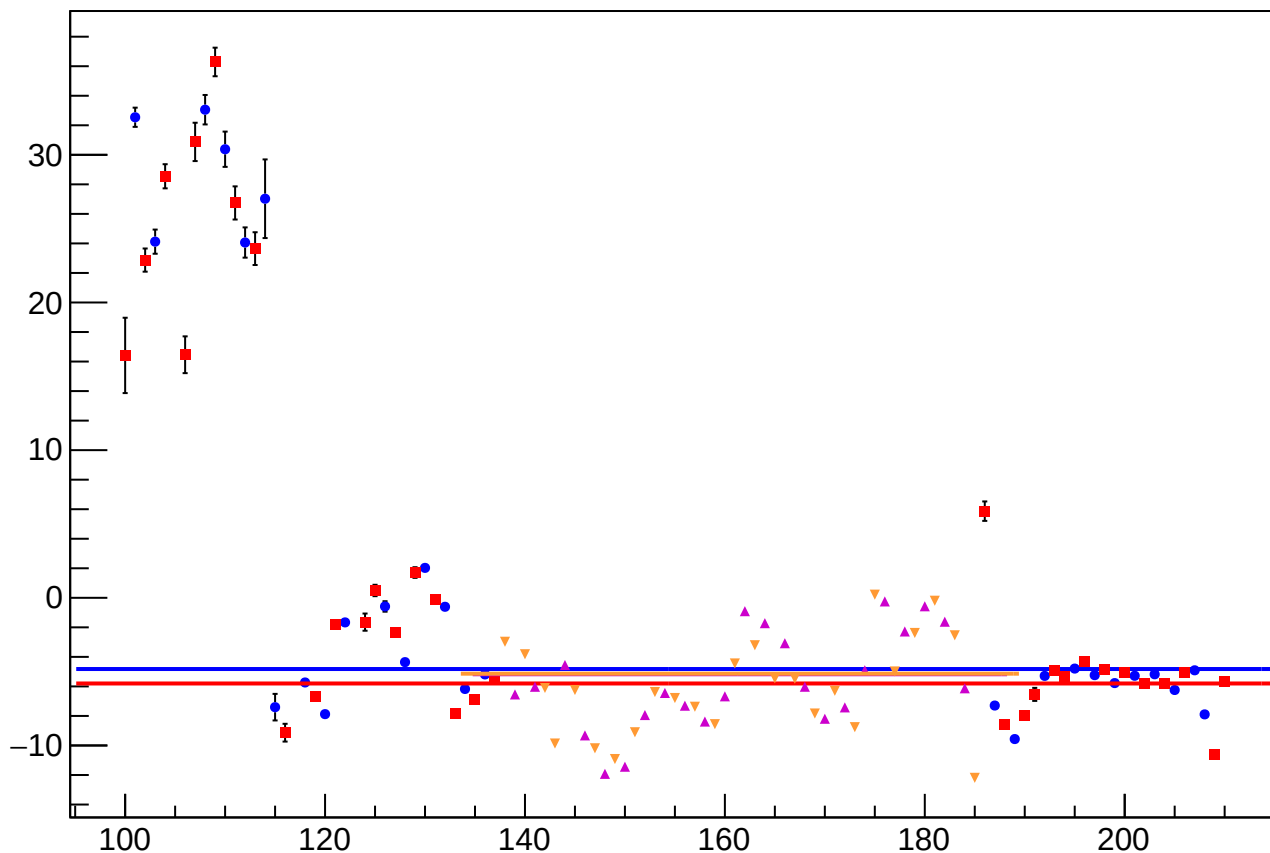
Left In: -0.271 ± 0.022 χ^2/NDF : 13220.8/22

+ sign 0.307 ± 0.020 χ^2/NDF : 54667.0/51

All: 0.405 ± 0.014 χ^2/NDF : 125865.9/107

- sign 0.505 ± 0.021 χ^2/NDF : 71152.1/55

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -4.822 ± 0.052 χ^2/NDF : 9853.2/26

Left Out: -5.138 ± 0.028 χ^2/NDF : 14626.0/24

Right Out: -5.802 ± 0.046 χ^2/NDF : 11502.5/32

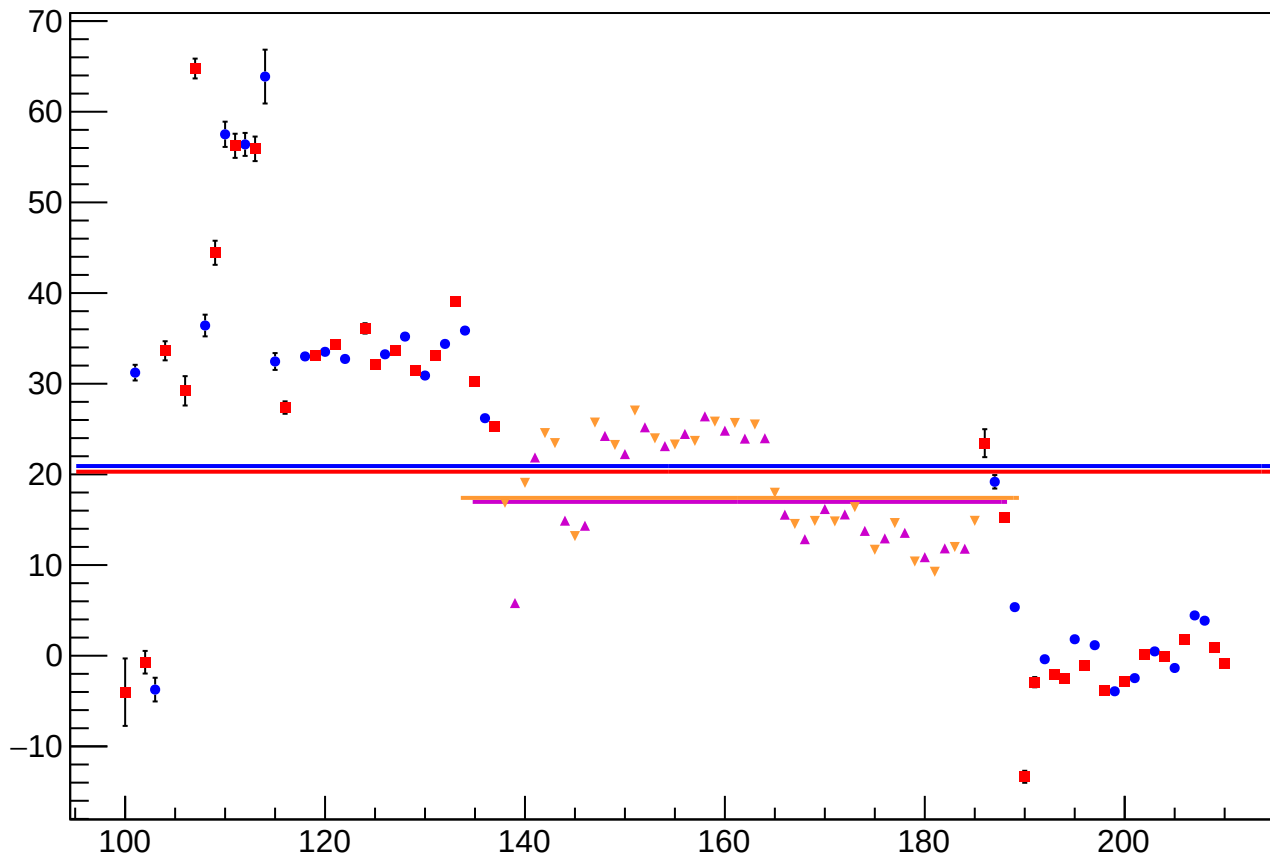
Left In: -5.177 ± 0.028 χ^2/NDF : 13963.7/22

+ sign -5.067 ± 0.024 χ^2/NDF : 24508.0/51

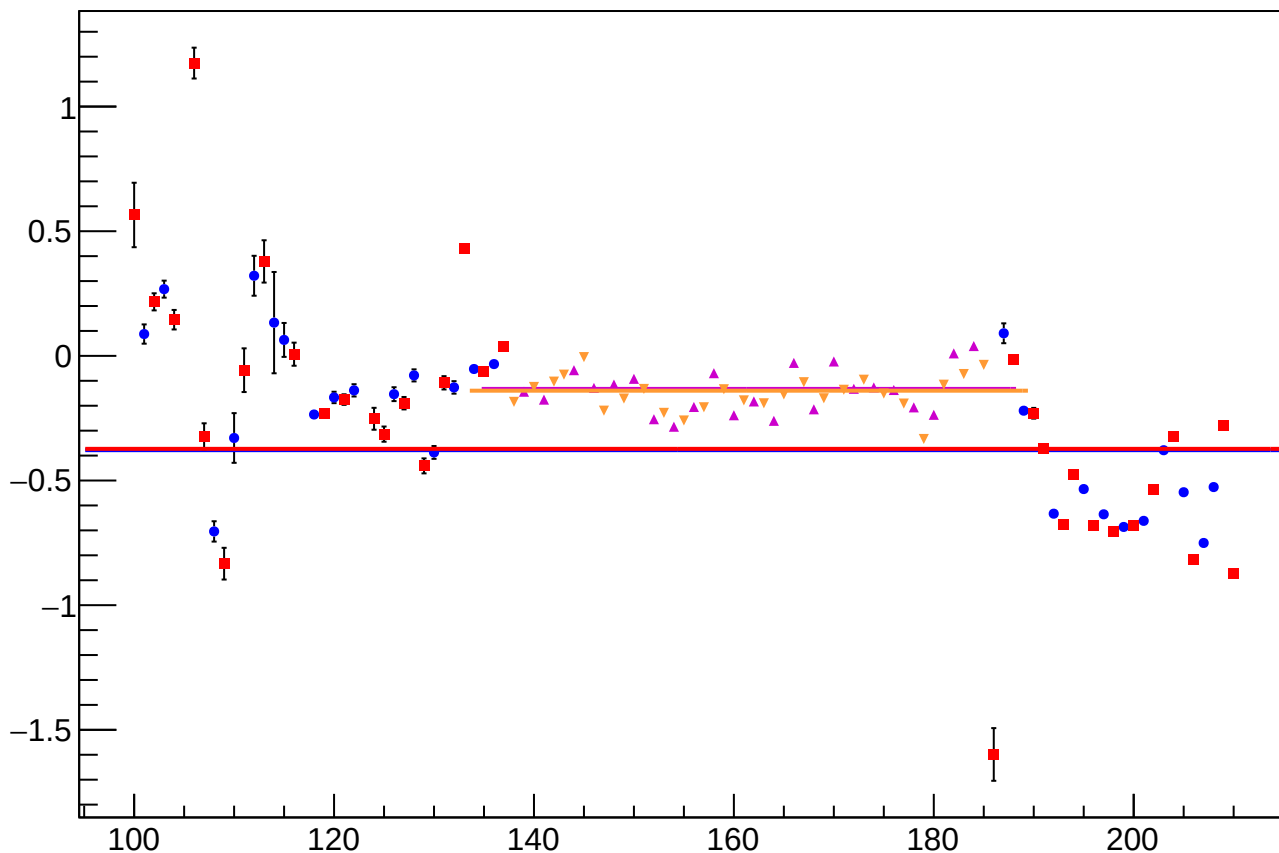
All: -5.210 ± 0.017 χ^2/NDF : 50173.6/107

- sign -5.349 ± 0.024 χ^2/NDF : 25598.8/55

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.378 ± 0.003 χ^2/NDF : 8381.6/26

Left Out: -0.140 ± 0.001 χ^2/NDF : 4108.2/24

Right Out: -0.373 ± 0.003 χ^2/NDF : 13593.7/32

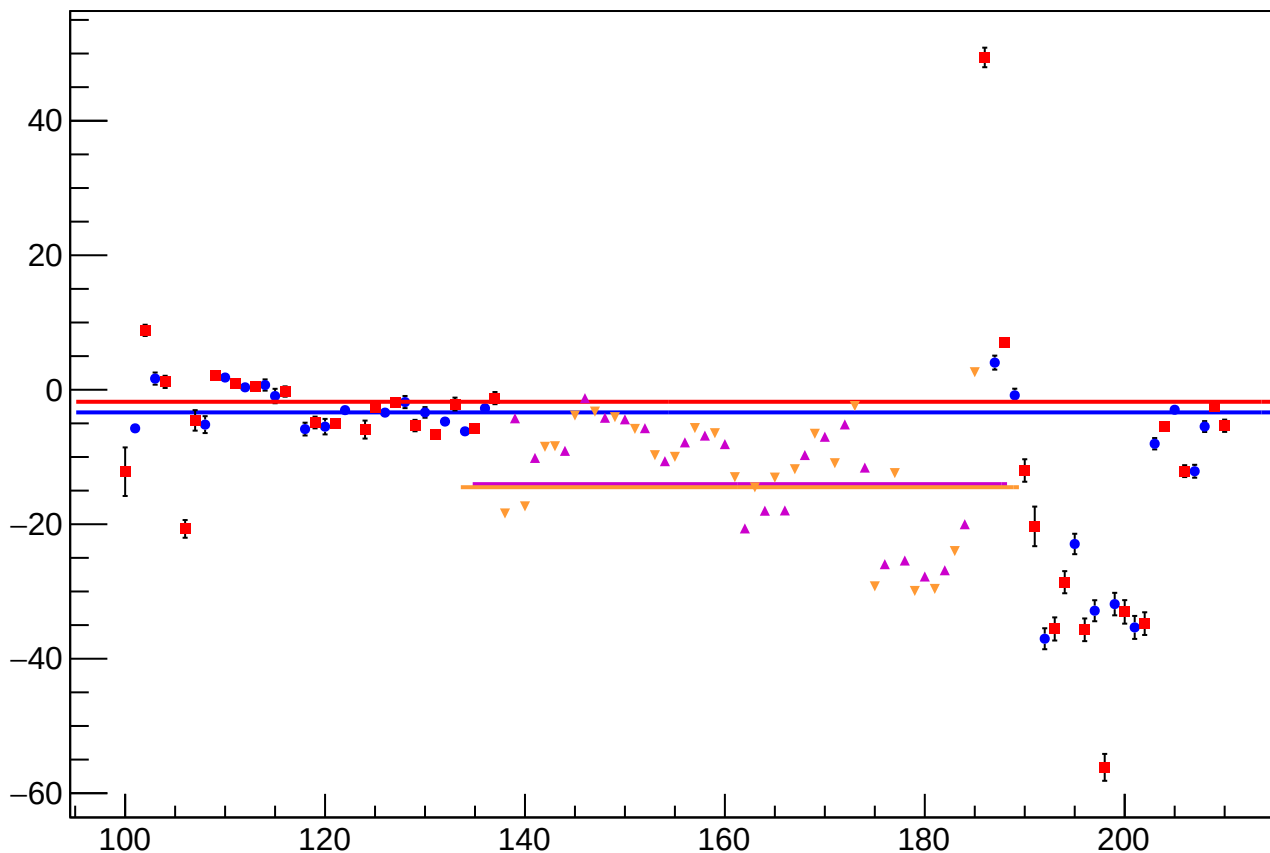
Left In: -0.133 ± 0.001 χ^2/NDF : 5529.7/22

+ sign -0.168 ± 0.001 χ^2/NDF : 18152.4/51

All: -0.166 ± 0.001 χ^2/NDF : 43510.5/107

- sign -0.164 ± 0.001 χ^2/NDF : 25352.4/55

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -3.367 ± 0.141 χ^2/NDF : 2206.5/26

Left Out: -14.494 ± 0.075 χ^2/NDF : 17232.7/24

Right Out: -1.788 ± 0.131 χ^2/NDF : 5049.5/32

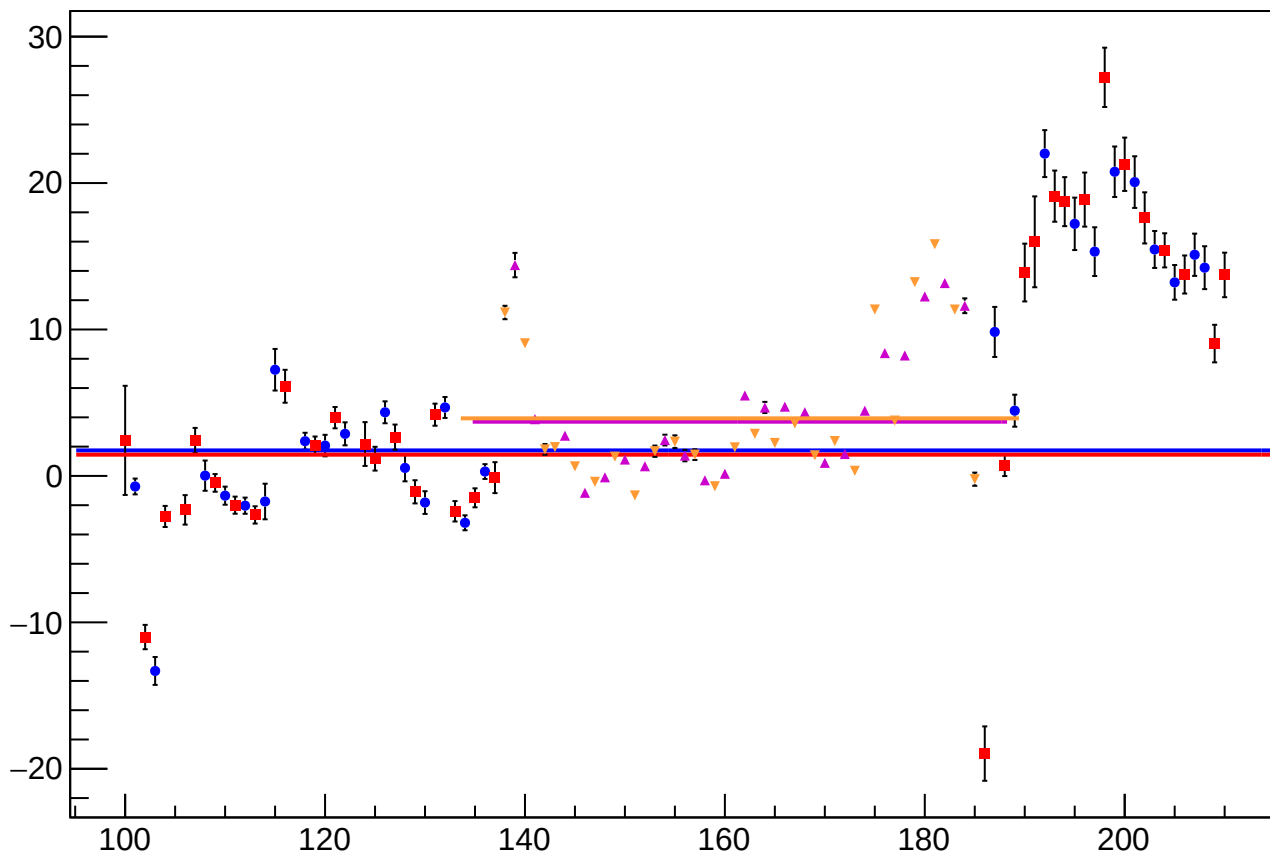
Left In: -14.038 ± 0.077 χ^2/NDF : 13482.5/22

+ sign -12.046 ± 0.066 χ^2/NDF : 24312.2/51

All: -11.473 ± 0.047 χ^2/NDF : 49516.6/107

- sign -10.897 ± 0.066 χ^2/NDF : 25053.4/55

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.741 ± 0.161 $\chi^2/\text{NDF}: 1455.5/26$

Left Out: 3.932 ± 0.058 $\chi^2/\text{NDF}: 6979.2/24$

Right Out: 1.451 ± 0.161 $\chi^2/\text{NDF}: 1658.0/32$

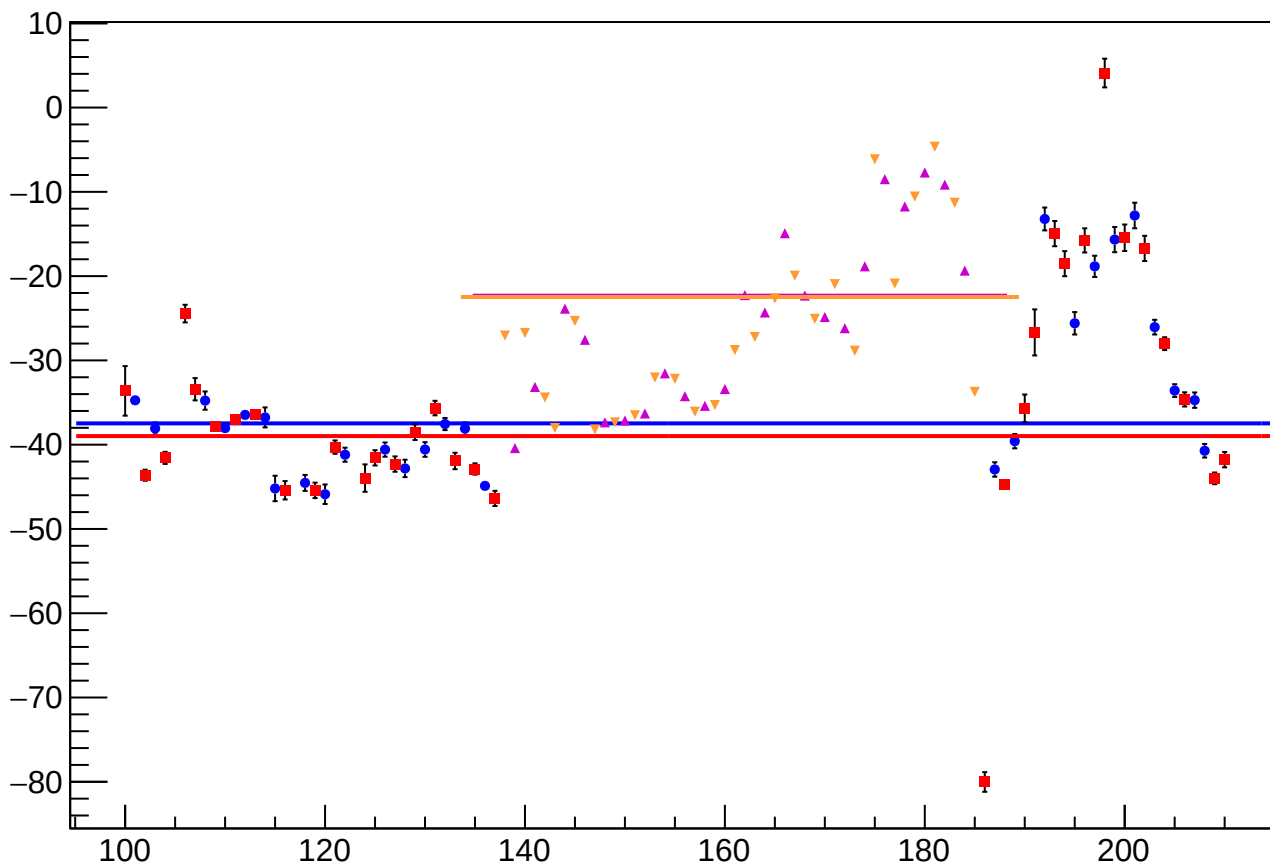
Left In: 3.703 ± 0.059 $\chi^2/\text{NDF}: 4788.5/22$

+ sign 3.681 ± 0.054 $\chi^2/\text{NDF}: 8598.8/51$

All: 3.560 ± 0.039 $\chi^2/\text{NDF}: 15227.1/107$

- sign 3.435 ± 0.056 $\chi^2/\text{NDF}: 6618.4/55$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.473 ± 0.154 χ^2/NDF : 1899.5/26

Left Out: -22.478 ± 0.075 χ^2/NDF : 20417.4/24

Right Out: -38.979 ± 0.147 χ^2/NDF : 4100.0/32

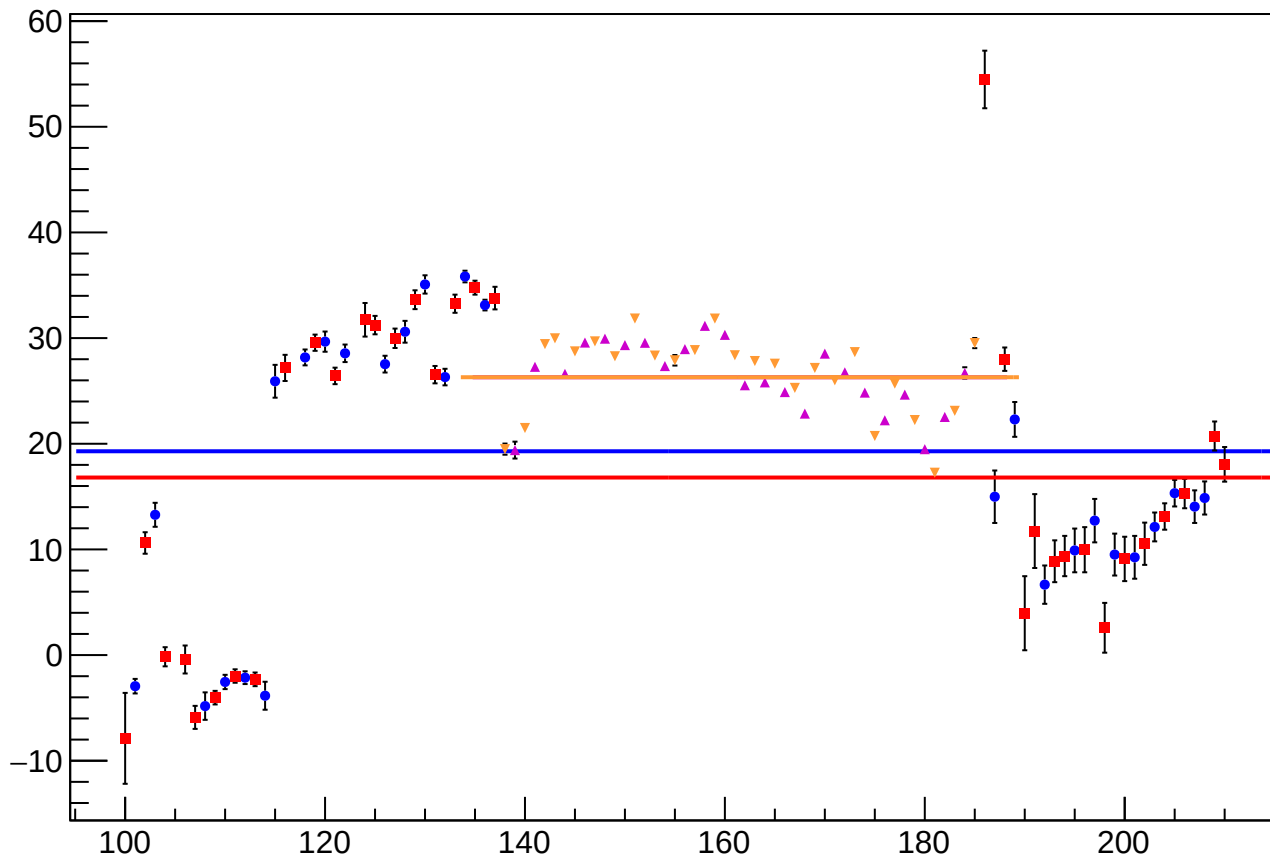
Left In: -22.322 ± 0.077 χ^2/NDF : 17133.3/22

+ sign -25.329 ± 0.067 χ^2/NDF : 29960.8/51

All: -25.598 ± 0.048 χ^2/NDF : 61313.8/107

- sign -25.873 ± 0.068 χ^2/NDF : 31320.6/55

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.289 $\pm$ 0.182 χ^2 /NDF: 6895.0/26

Left Out: 26.296 $\pm$ 0.065 χ^2 /NDF: 3307.8/24

Right Out: 16.803 $\pm$ 0.184 χ^2 /NDF: 7167.9/32

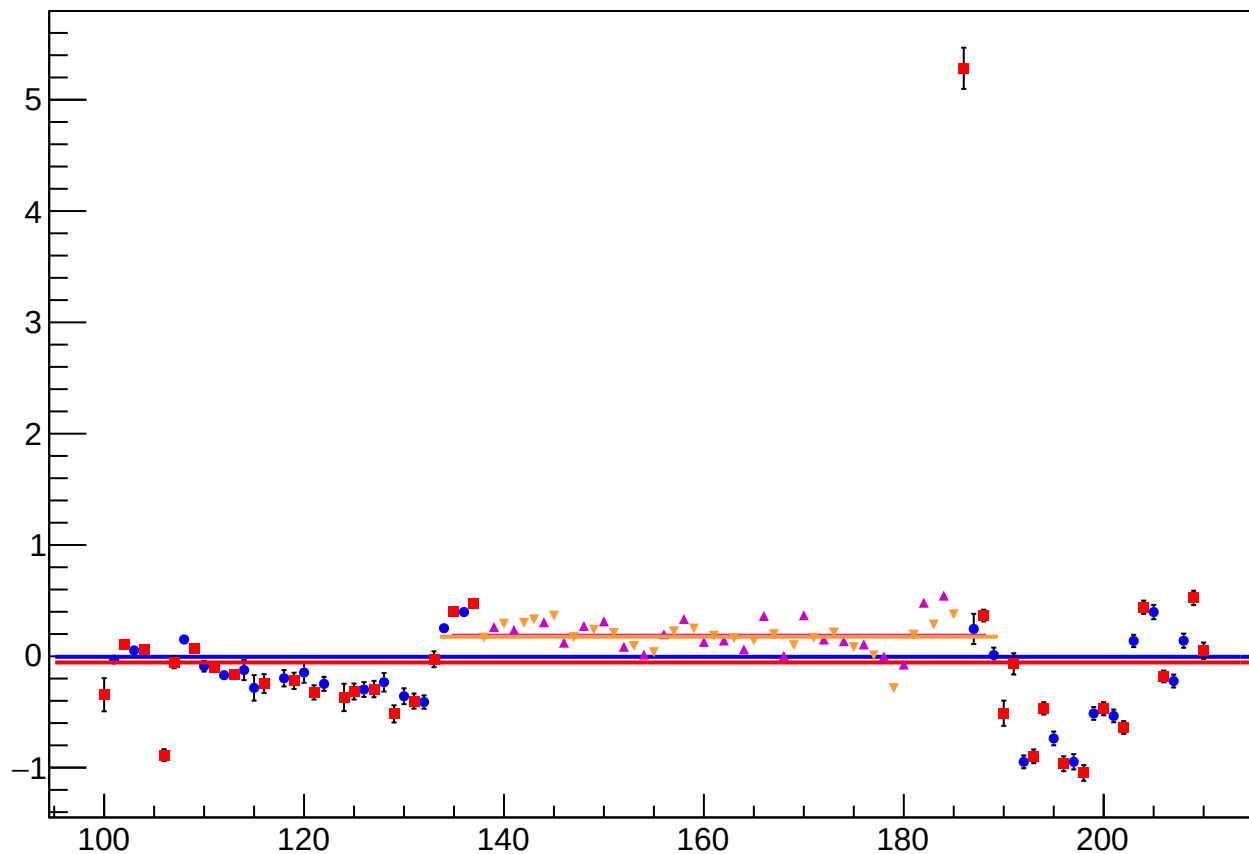
Left In: 26.292 $\pm$ 0.067 χ^2 /NDF: 2185.8/22

+ sign 25.502 $\pm$ 0.061 χ^2 /NDF: 11516.5/51

All: 25.348 $\pm$ 0.044 χ^2 /NDF: 23242.5/107

- sign 25.188 $\pm$ 0.063 χ^2 /NDF: 11713.2/55

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.009 χ^2/NDF : 1477.2/26

Left Out: 0.176 ± 0.003 χ^2/NDF : 1935.6/24

Right Out: -0.055 ± 0.009 χ^2/NDF : 2714.7/32

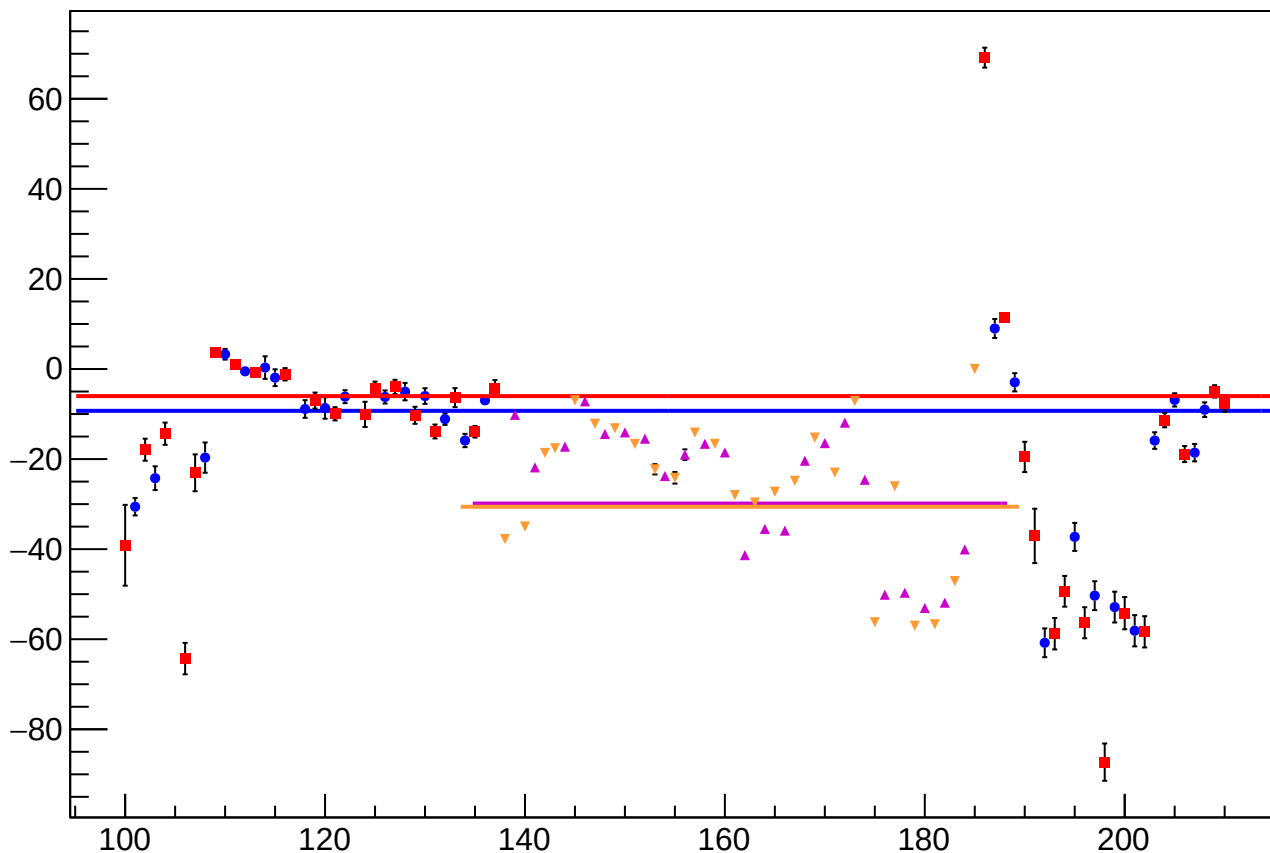
Left In: 0.185 ± 0.003 χ^2/NDF : 2538.5/22

+ sign 0.159 ± 0.003 χ^2/NDF : 3766.6/51

All: 0.161 ± 0.002 χ^2/NDF : 9621.7/107

- sign 0.163 ± 0.003 χ^2/NDF : 5854.2/55

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -9.286 ± 0.326 χ^2/NDF : 1420.6/26

Left Out: -30.587 ± 0.142 χ^2/NDF : 16046.0/24

Right Out: -6.017 ± 0.309 χ^2/NDF : 3507.3/32

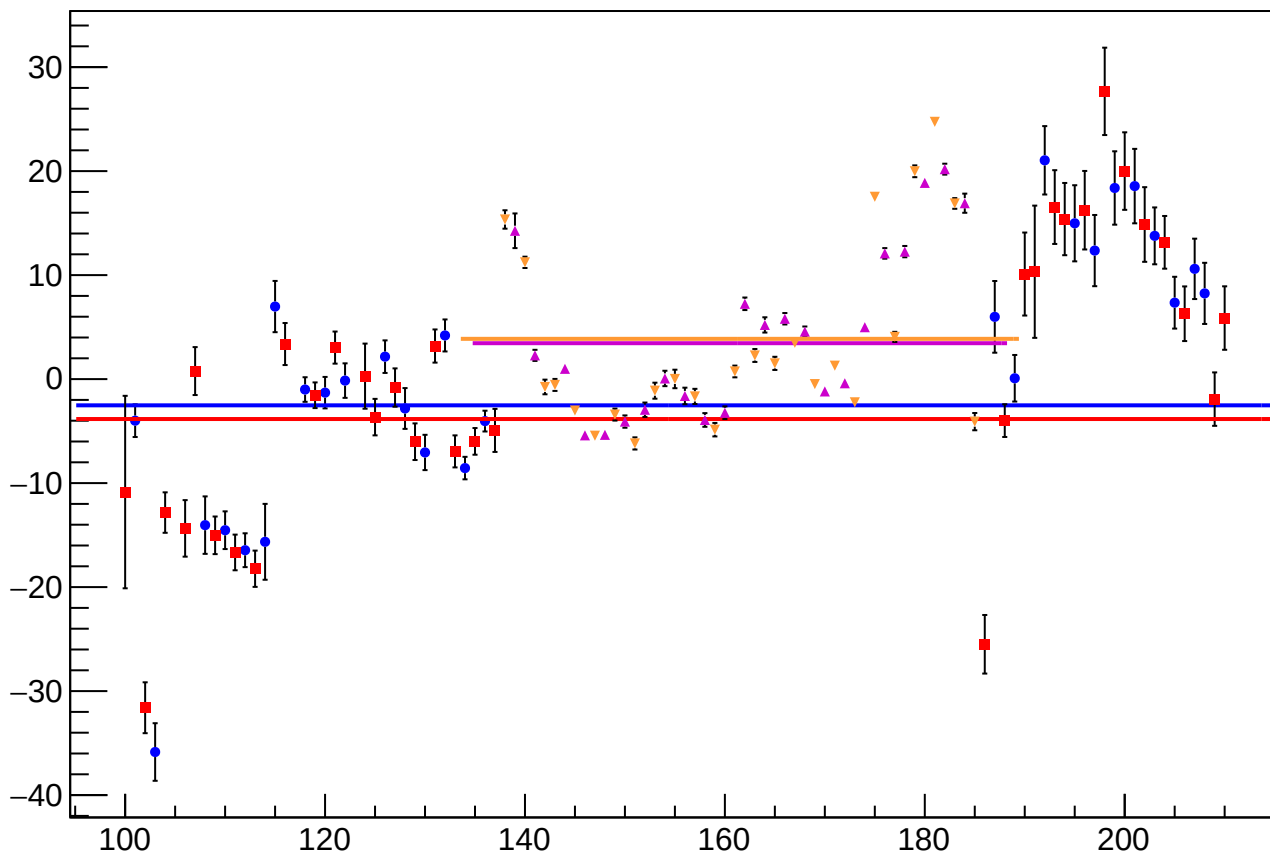
Left In: -29.878 ± 0.146 χ^2/NDF : 12034.7/22

+ sign -27.180 ± 0.130 χ^2/NDF : 21059.1/51

All: -26.356 ± 0.093 χ^2/NDF : 41560.2/107

- sign -25.507 ± 0.132 χ^2/NDF : 20419.8/55

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.522 ± 0.362 $\chi^2/\text{NDF}: 636.6/26$

Left Out: 3.873 ± 0.111 $\chi^2/\text{NDF}: 6542.0/24$

Right Out: -3.838 ± 0.368 $\chi^2/\text{NDF}: 763.6/32$

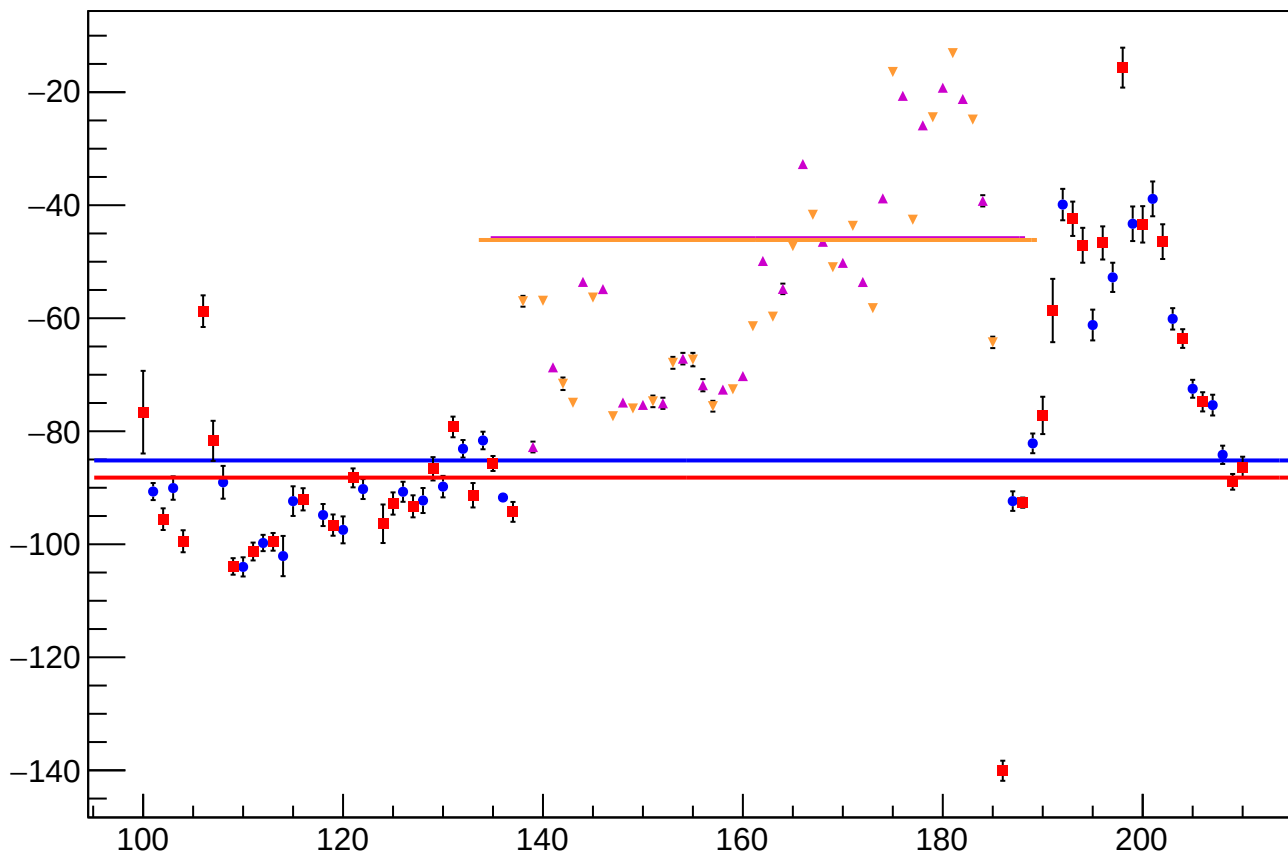
Left In: 3.453 ± 0.114 $\chi^2/\text{NDF}: 4693.7/22$

+ sign 3.322 ± 0.106 $\chi^2/\text{NDF}: 7463.5/51$

All: 3.076 ± 0.076 $\chi^2/\text{NDF}: 13290.0/107$

- sign 2.818 ± 0.109 $\chi^2/\text{NDF}: 5815.5/55$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -85.168 ± 0.349 $\chi^2/\text{NDF}: 1627.2/26$

Left Out: -46.153 ± 0.142 $\chi^2/\text{NDF}: 21455.9/24$

Right Out: -88.203 ± 0.333 $\chi^2/\text{NDF}: 3090.8/32$

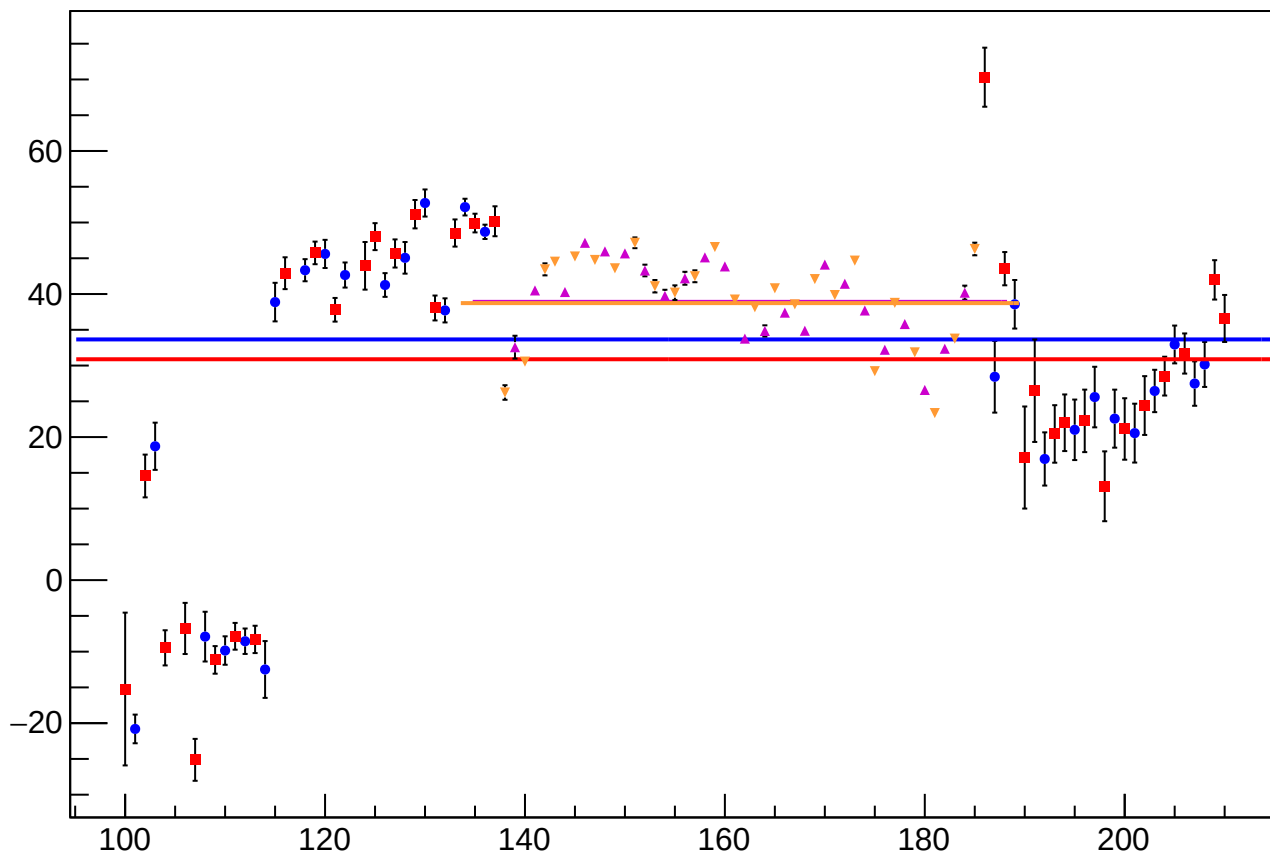
Left In: -45.833 ± 0.146 $\chi^2/\text{NDF}: 17924.6/22$

+ sign -51.719 ± 0.132 $\chi^2/\text{NDF}: 33791.4/51$

All: -52.181 ± 0.094 $\chi^2/\text{NDF}: 68389.9/107$

- sign -52.655 ± 0.134 $\chi^2/\text{NDF}: 34573.6/55$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.653 $\pm$ 0.408 χ^2 /NDF: 2879.7/26

Left Out: 38.730 $\pm$ 0.125 χ^2 /NDF: 2781.7/24

Right Out: 30.880 $\pm$ 0.419 χ^2 /NDF: 3094.5/32

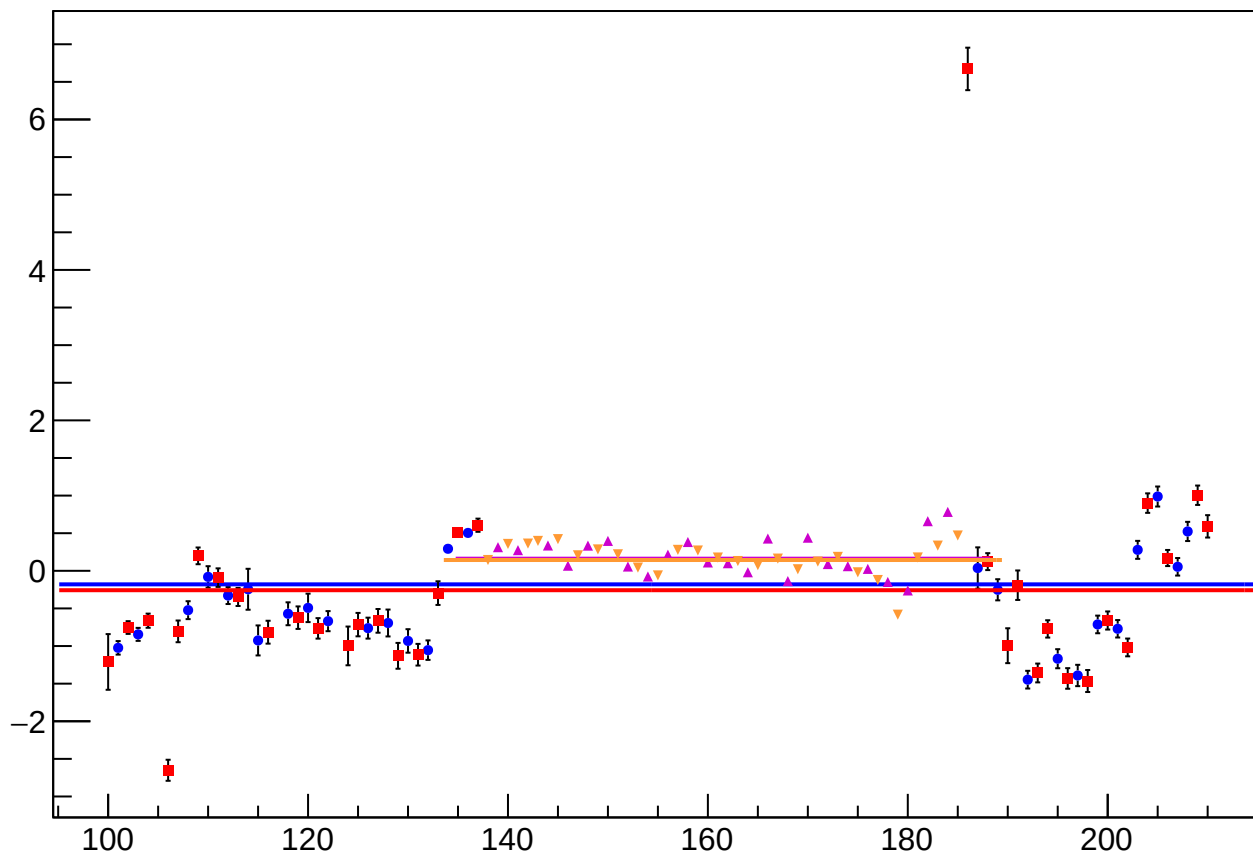
Left In: 38.905 $\pm$ 0.127 χ^2 /NDF: 1971.6/22

+ sign 38.297 $\pm$ 0.119 χ^2 /NDF: 5803.2/51

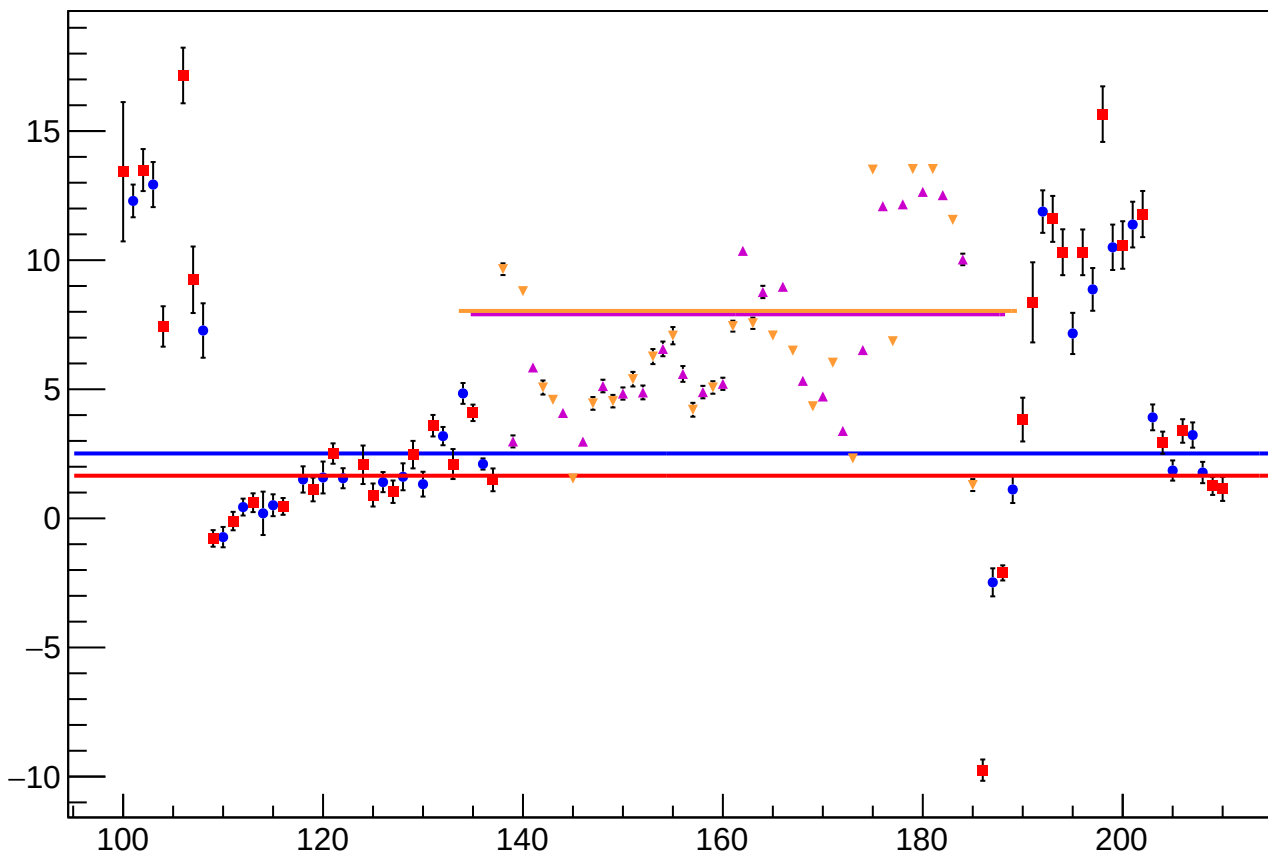
All: 38.263 $\pm$ 0.085 χ^2 /NDF: 11204.7/107

- sign 38.226 $\pm$ 0.122 χ^2 /NDF: 5401.3/55

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.514 ± 0.089 χ^2/NDF : 1122.1/26

Left Out: 8.034 ± 0.035 χ^2/NDF : 13924.1/24

Right Out: 1.652 ± 0.085 χ^2/NDF : 2411.8/32

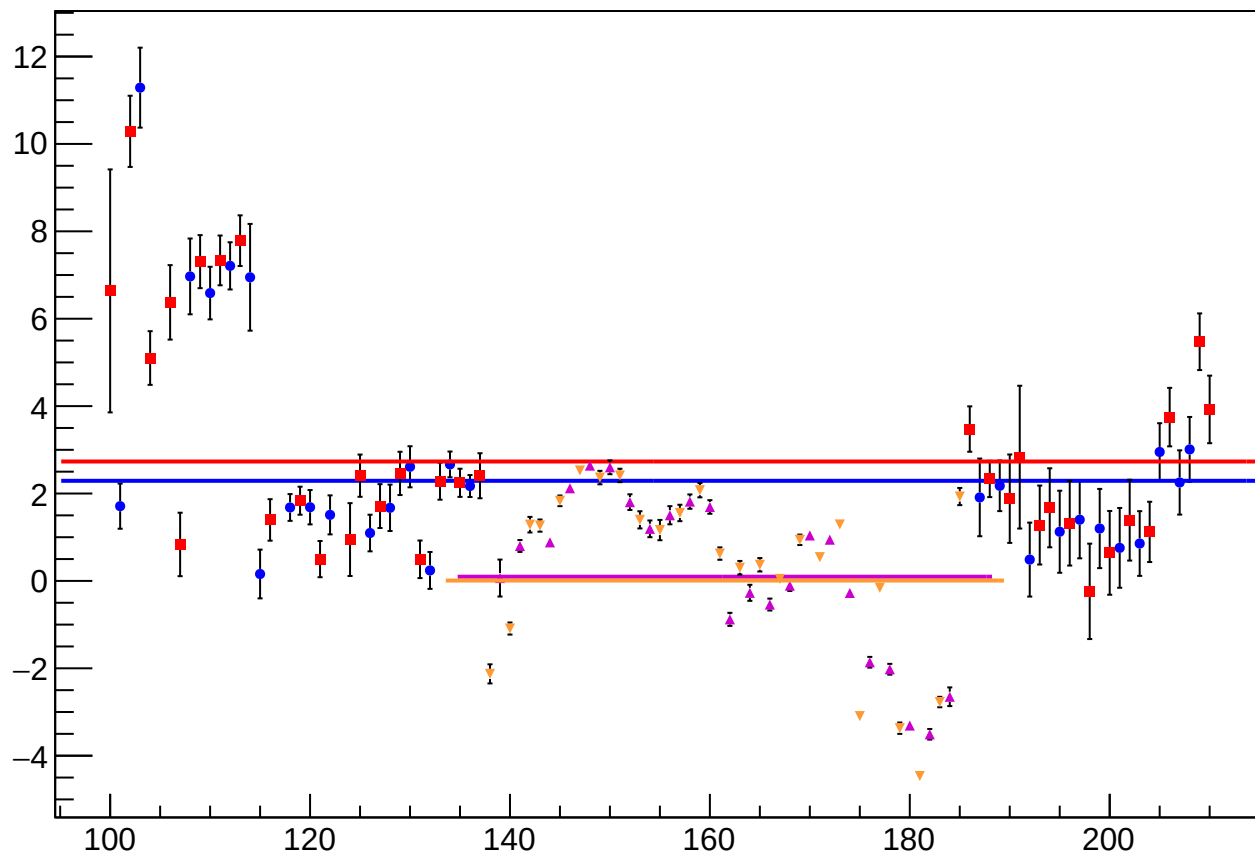
Left In: 7.903 ± 0.036 χ^2/NDF : 10017.8/22

+ sign 7.309 ± 0.032 χ^2/NDF : 18365.8/51

All: 7.135 ± 0.023 χ^2/NDF : 35478.8/107

- sign 6.955 ± 0.033 χ^2/NDF : 17054.2/55

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.291 ± 0.098 χ^2/NDF : 352.1/26

Left Out: 0.009 ± 0.027 χ^2/NDF : 5761.2/24

Right Out: 2.733 ± 0.100 χ^2/NDF : 463.2/32

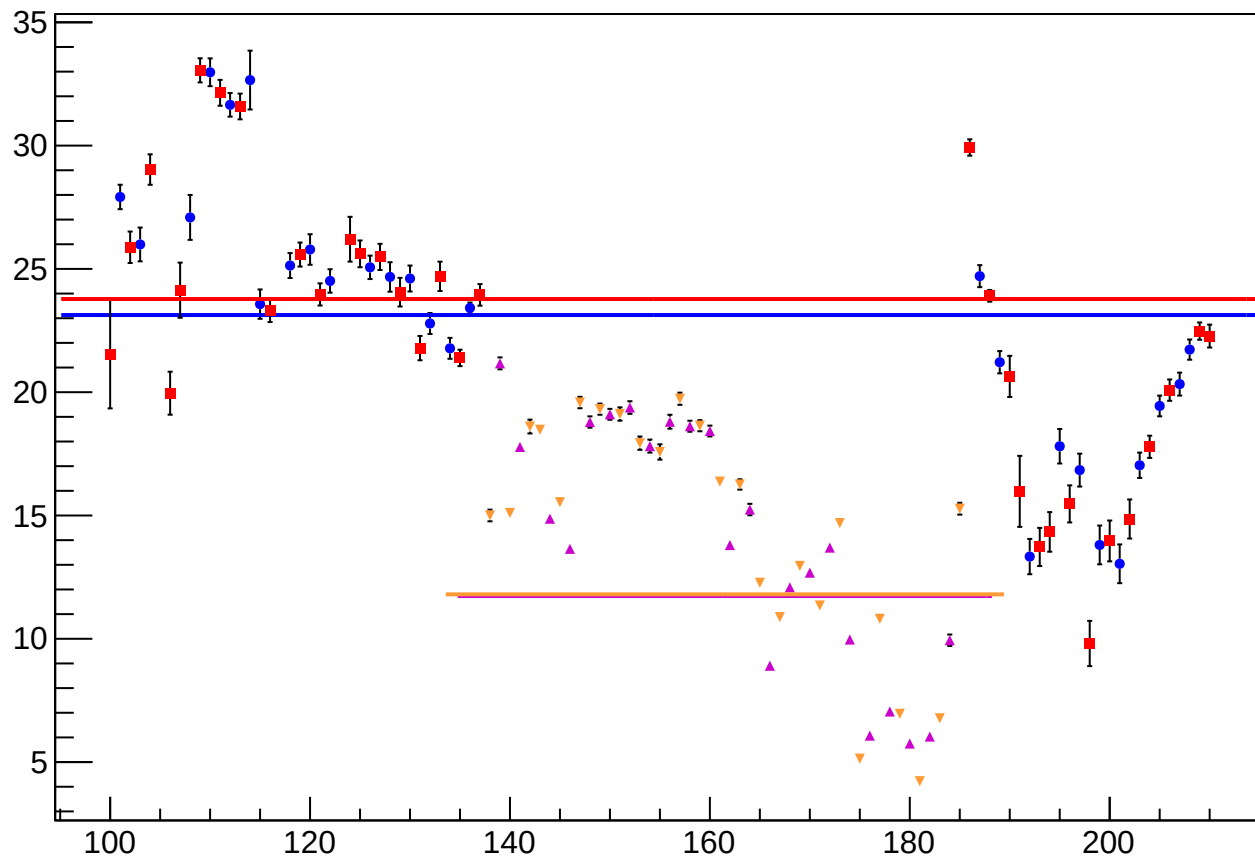
Left In: 0.096 ± 0.028 χ^2/NDF : 4433.3/22

+ sign 0.174 ± 0.026 χ^2/NDF : 6613.1/51

All: 0.231 ± 0.019 χ^2/NDF : 12165.1/107

- sign 0.290 ± 0.027 χ^2/NDF : 5542.6/55

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 23.129 $\pm$ 0.095 χ^2 /NDF: 1839.1/26

Left Out: 11.802 $\pm$ 0.035 χ^2 /NDF:21479.5/24

Right Out: 23.779 $\pm$ 0.089 χ^2 /NDF: 2646.5/32

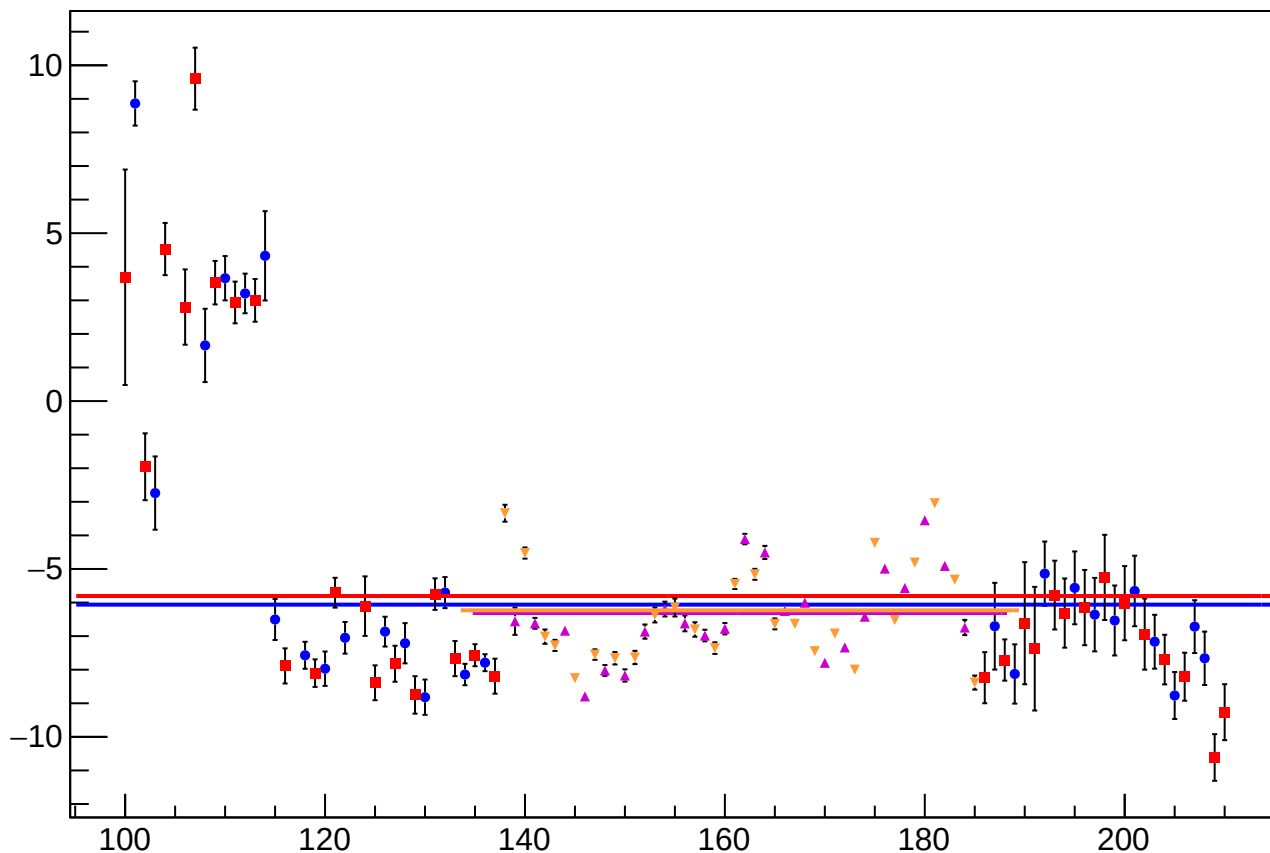
Left In: 11.735 $\pm$ 0.036 χ^2 /NDF:17999.5/22

+ sign 13.156 $\pm$ 0.033 χ^2 /NDF: 35954.3/51

All: 13.282 $\pm$ 0.023 χ^2 /NDF: 72383.0/107

- sign 13.412 $\pm$ 0.033 χ^2 /NDF: 36398.6/55

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -6.062 ± 0.110 χ^2/NDF : 1282.7/26

Left Out: -6.231 ± 0.031 χ^2/NDF : 2450.1/24

Right Out: -5.805 ± 0.114 χ^2/NDF : 1417.7/32

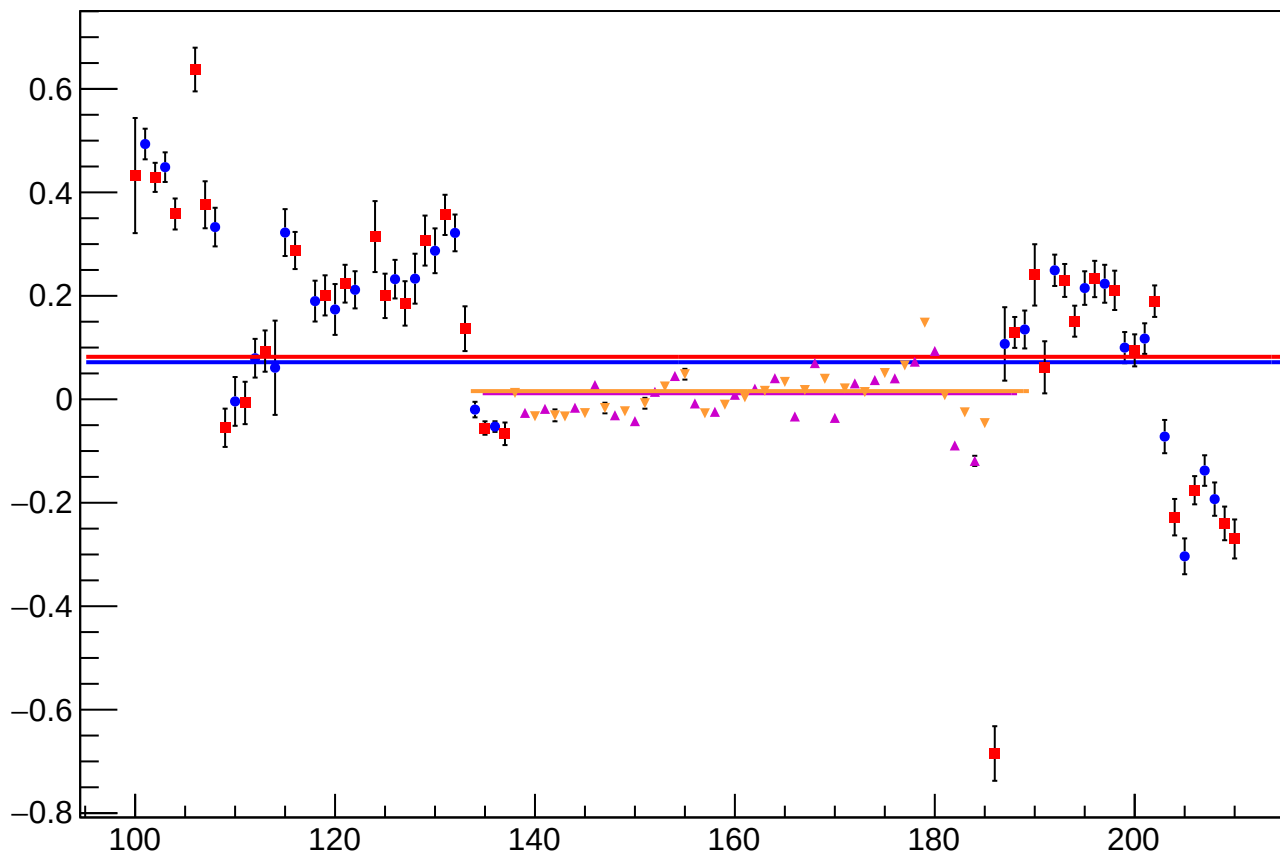
Left In: -6.311 ± 0.031 χ^2/NDF : 2030.2/22

+ sign -6.218 ± 0.030 χ^2/NDF : 3734.9/51

All: -6.246 ± 0.021 χ^2/NDF : 7202.9/107

- sign -6.275 ± 0.030 χ^2/NDF : 3466.1/55

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.006 χ^2/NDF : 1106.4/26

Left Out: 0.016 ± 0.001 χ^2/NDF : 933.4/24

Right Out: 0.082 ± 0.006 χ^2/NDF : 1436.6/32

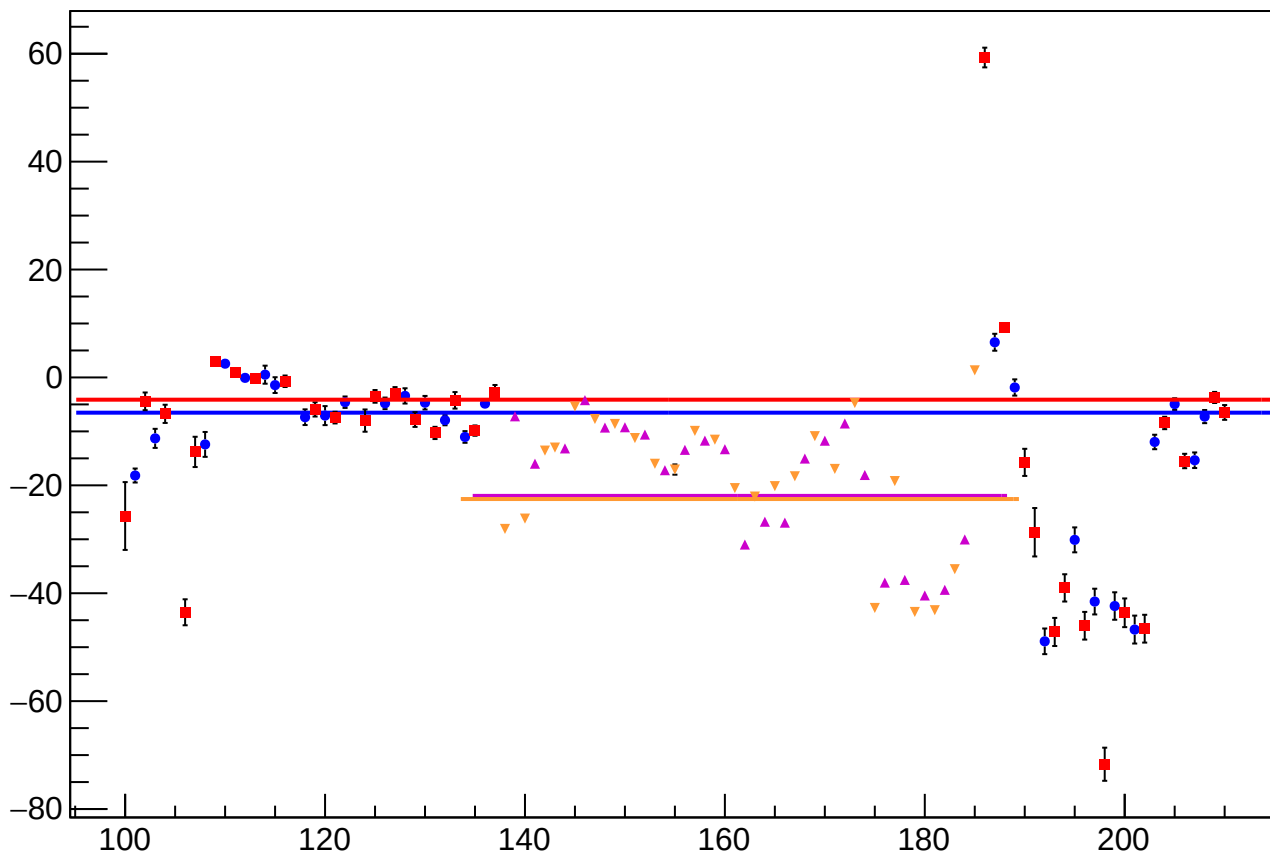
Left In: 0.012 ± 0.001 χ^2/NDF : 1297.5/22

+ sign 0.019 ± 0.001 χ^2/NDF : 2136.4/51

All: 0.017 ± 0.001 χ^2/NDF : 5015.5/107

- sign 0.016 ± 0.001 χ^2/NDF : 2875.9/55

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -6.532 ± 0.235 $\chi^2/\text{NDF}: 1602.6/26$

Left Out: -22.538 ± 0.108 $\chi^2/\text{NDF}: 16540.6/24$

Right Out: -4.124 ± 0.222 $\chi^2/\text{NDF}: 3910.5/32$

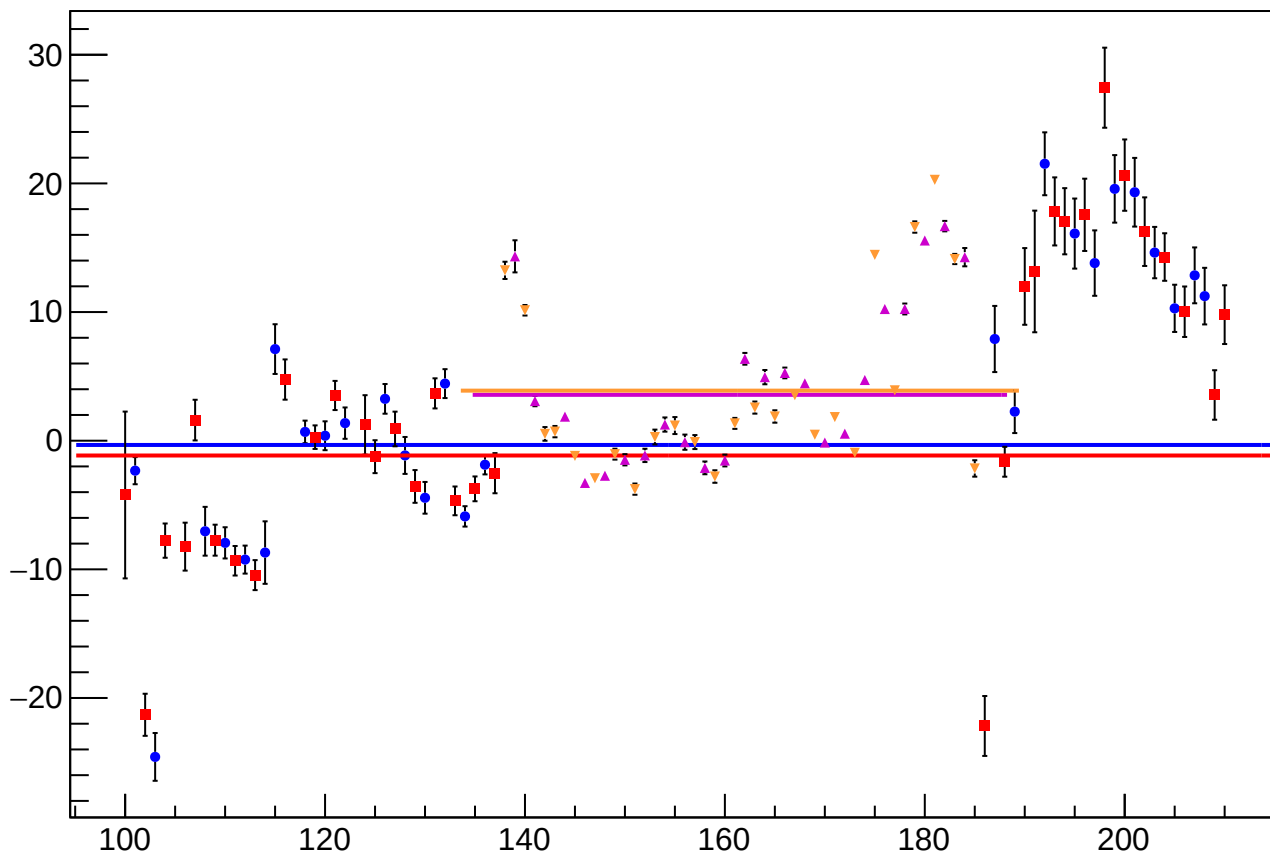
Left In: -21.957 ± 0.111 $\chi^2/\text{NDF}: 12585.3/22$

+ sign -19.740 ± 0.098 $\chi^2/\text{NDF}: 21975.6/51$

All: -19.065 ± 0.070 $\chi^2/\text{NDF}: 43736.1/107$

- sign -18.375 ± 0.099 $\chi^2/\text{NDF}: 21665.0/55$

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.331 ± 0.263 χ^2/NDF : 841.5/26

Left Out: 3.891 ± 0.084 χ^2/NDF : 6724.1/24

Right Out: -1.151 ± 0.266 χ^2/NDF : 990.4/32

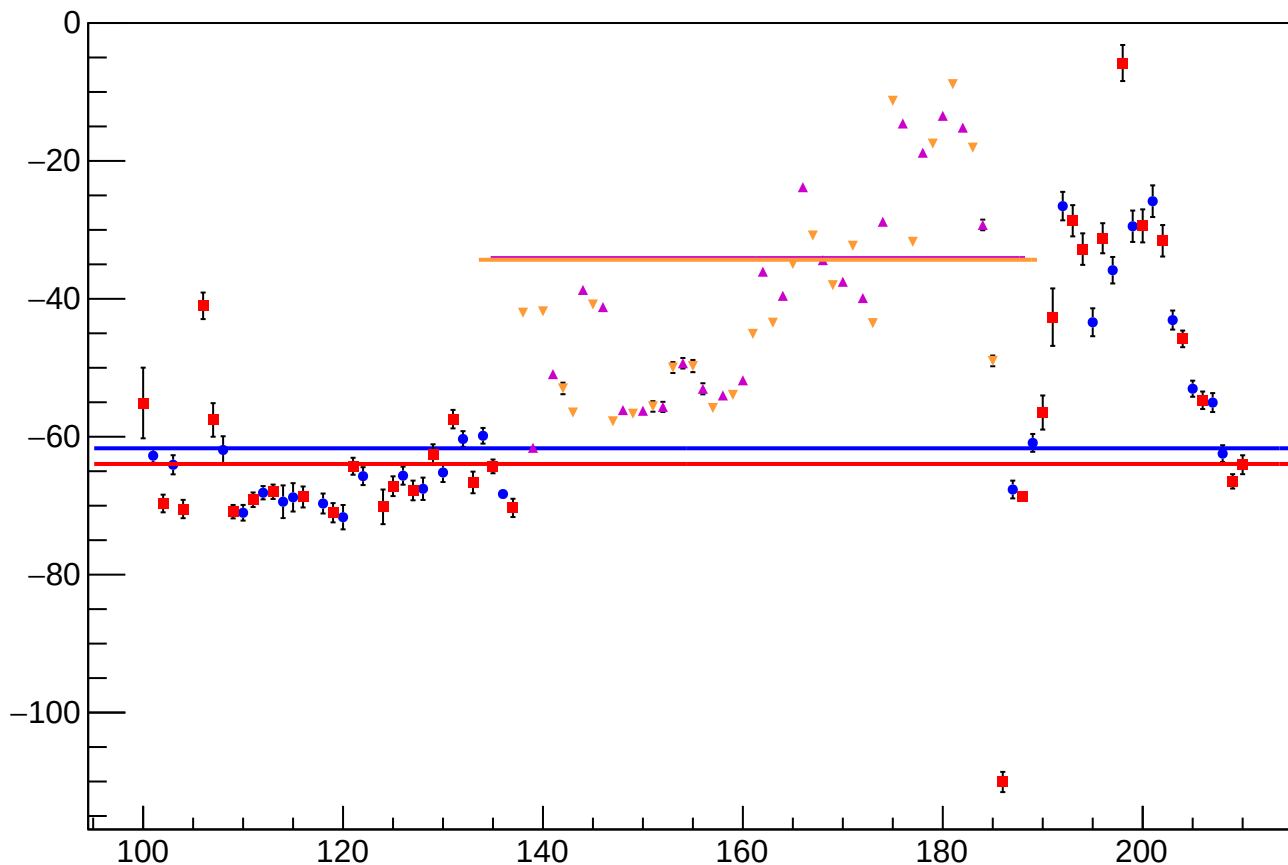
Left In: 3.565 ± 0.086 χ^2/NDF : 4739.4/22

+ sign 3.498 ± 0.080 χ^2/NDF : 7799.5/51

All: 3.312 ± 0.057 χ^2/NDF : 13824.0/107

- sign 3.118 ± 0.082 χ^2/NDF : 6013.6/55

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -61.675 ± 0.253 χ^2/NDF : 1623.5/26

Left Out: -34.334 ± 0.108 χ^2/NDF : 21200.8/24

Right Out: -63.950 ± 0.242 χ^2/NDF : 3306.9/32

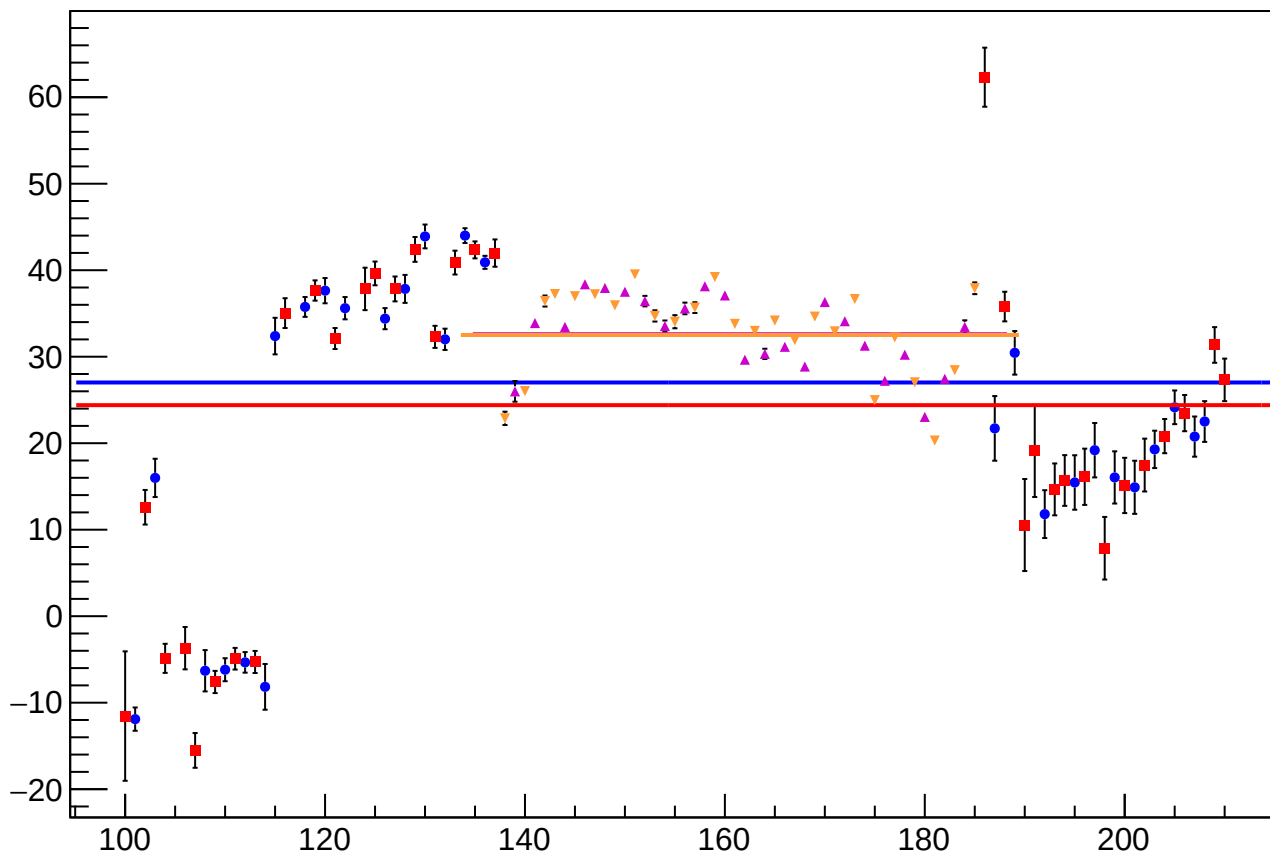
Left In: -34.091 ± 0.111 χ^2/NDF : 17726.5/22

+ sign -38.560 ± 0.100 χ^2/NDF : 32680.1/51

All: -38.914 ± 0.071 χ^2/NDF : 66317.8/107

- sign -39.277 ± 0.101 χ^2/NDF : 33612.1/55

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.020 $\pm$ 0.296 χ^2 /NDF: 3847.9/26

Left Out: 32.511 $\pm$ 0.095 χ^2 /NDF:2938.0/24

Right Out: 24.399 $\pm$ 0.303 χ^2 /NDF: 4093.9/32

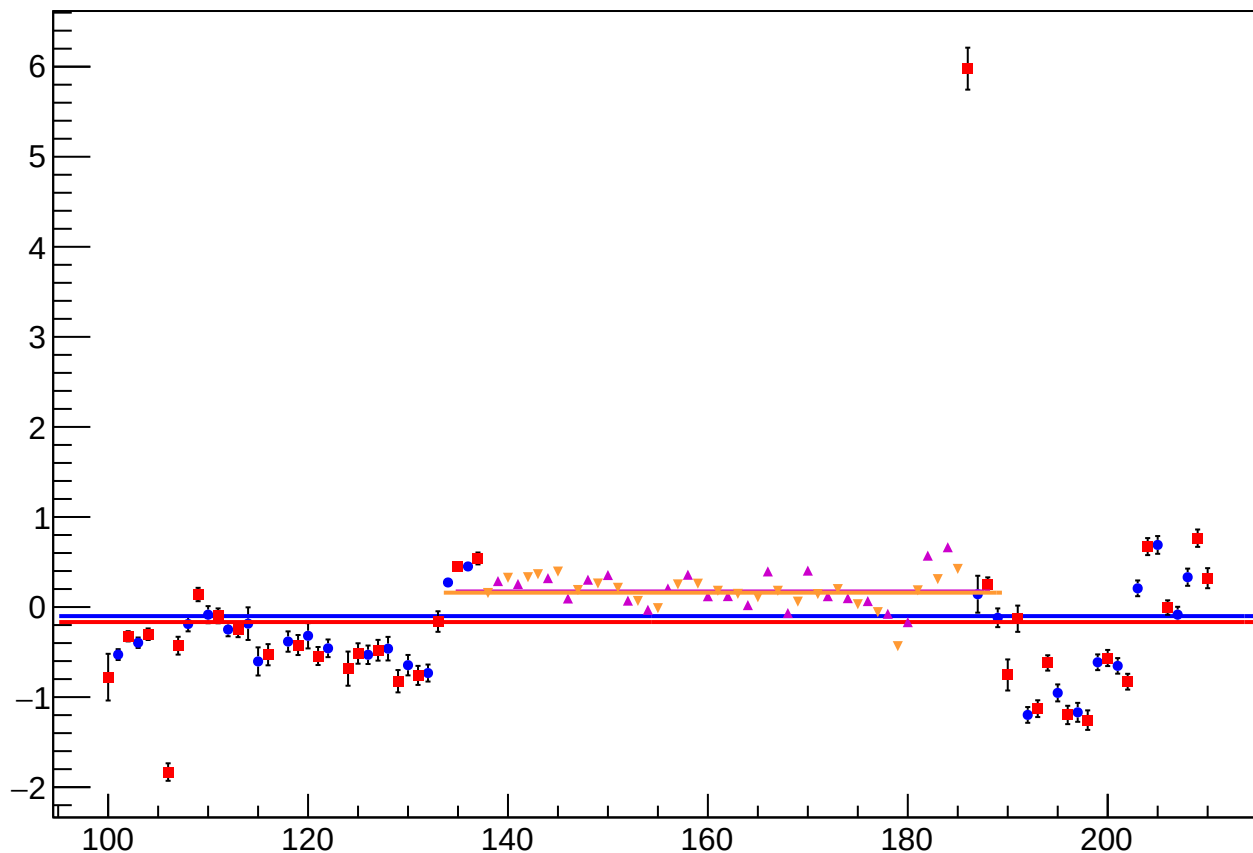
Left In: 32.598 $\pm$ 0.097 χ^2 /NDF:2012.9/22

+ sign 32.004 $\pm$ 0.090 χ^2 /NDF: 7097.6/51

All: 31.924 $\pm$ 0.064 χ^2 /NDF: 13868.9/107

- sign 31.841 $\pm$ 0.092 χ^2 /NDF: 6769.7/55

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.101 ± 0.015 χ^2/NDF : 1130.9/26

Left Out: 0.160 ± 0.004 χ^2/NDF : 1613.0/24

Right Out: -0.167 ± 0.015 χ^2/NDF : 2163.3/32

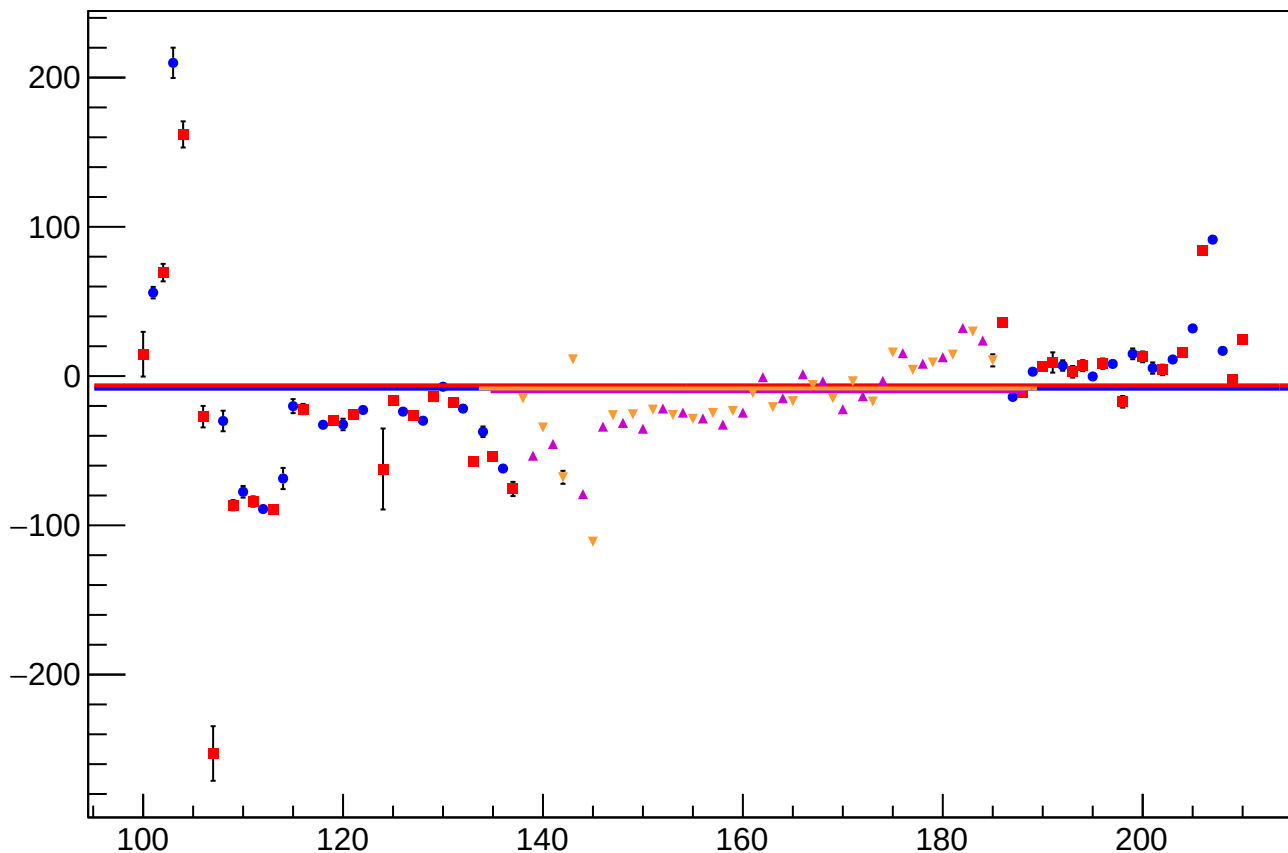
Left In: 0.173 ± 0.004 χ^2/NDF : 2129.7/22

+ sign 0.140 ± 0.004 χ^2/NDF : 3027.0/51

All: 0.144 ± 0.003 χ^2/NDF : 7772.8/107

- sign 0.148 ± 0.004 χ^2/NDF : 4743.7/55

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -8.411 ± 0.587 χ^2/NDF : 4431.6/26

Left Out: -8.298 ± 0.514 χ^2/NDF : 2559.6/24

Right Out: -6.221 ± 0.515 χ^2/NDF : 5601.3/32

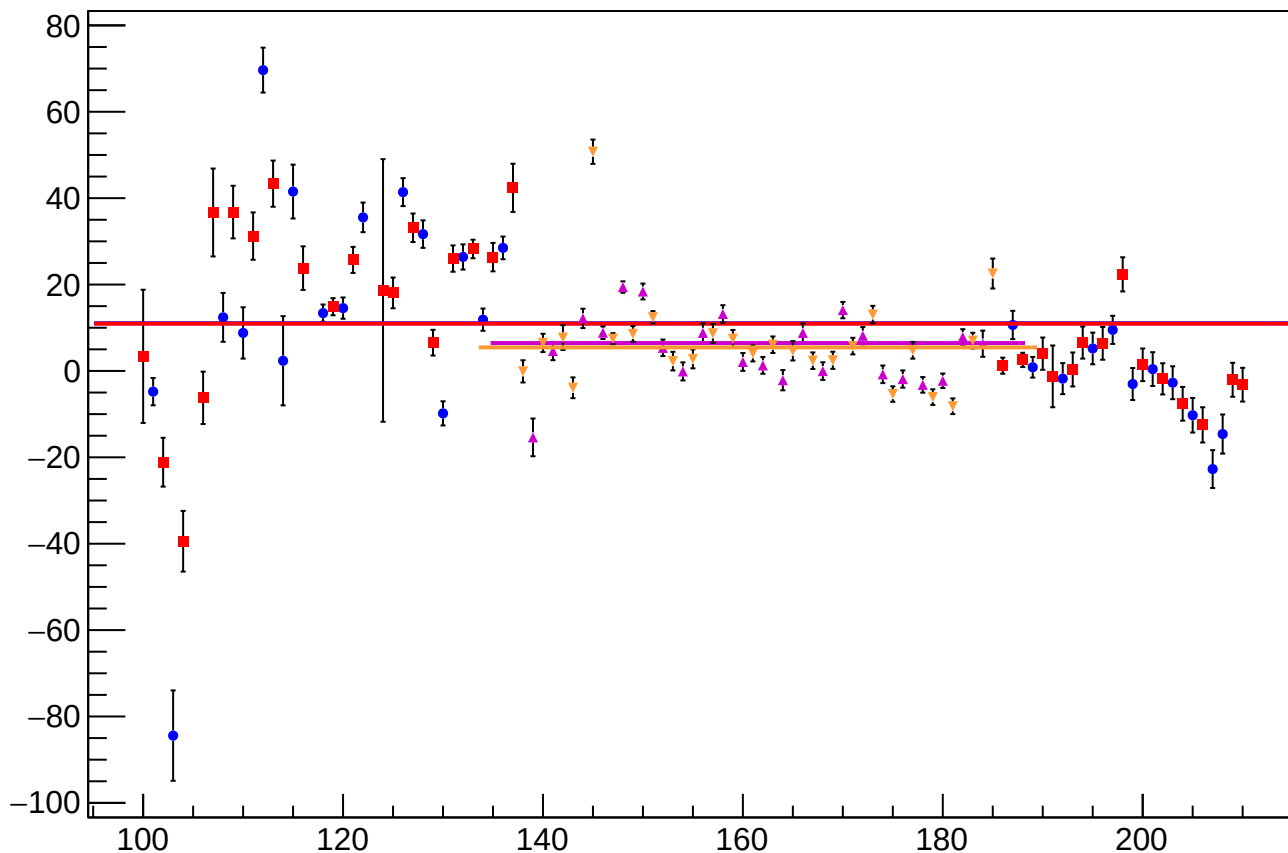
Left In: -10.183 ± 0.526 χ^2/NDF : 2518.4/22

+ sign -8.347 ± 0.386 χ^2/NDF : 6991.3/51

All: -8.249 ± 0.267 χ^2/NDF : 15140.0/107

- sign -8.160 ± 0.368 χ^2/NDF : 8148.6/55

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 11.035 ± 0.651 χ^2/NDF : 760.8/26

Left Out: 5.445 ± 0.394 χ^2/NDF : 493.7/24

Right Out: 10.954 ± 0.603 χ^2/NDF : 572.1/32

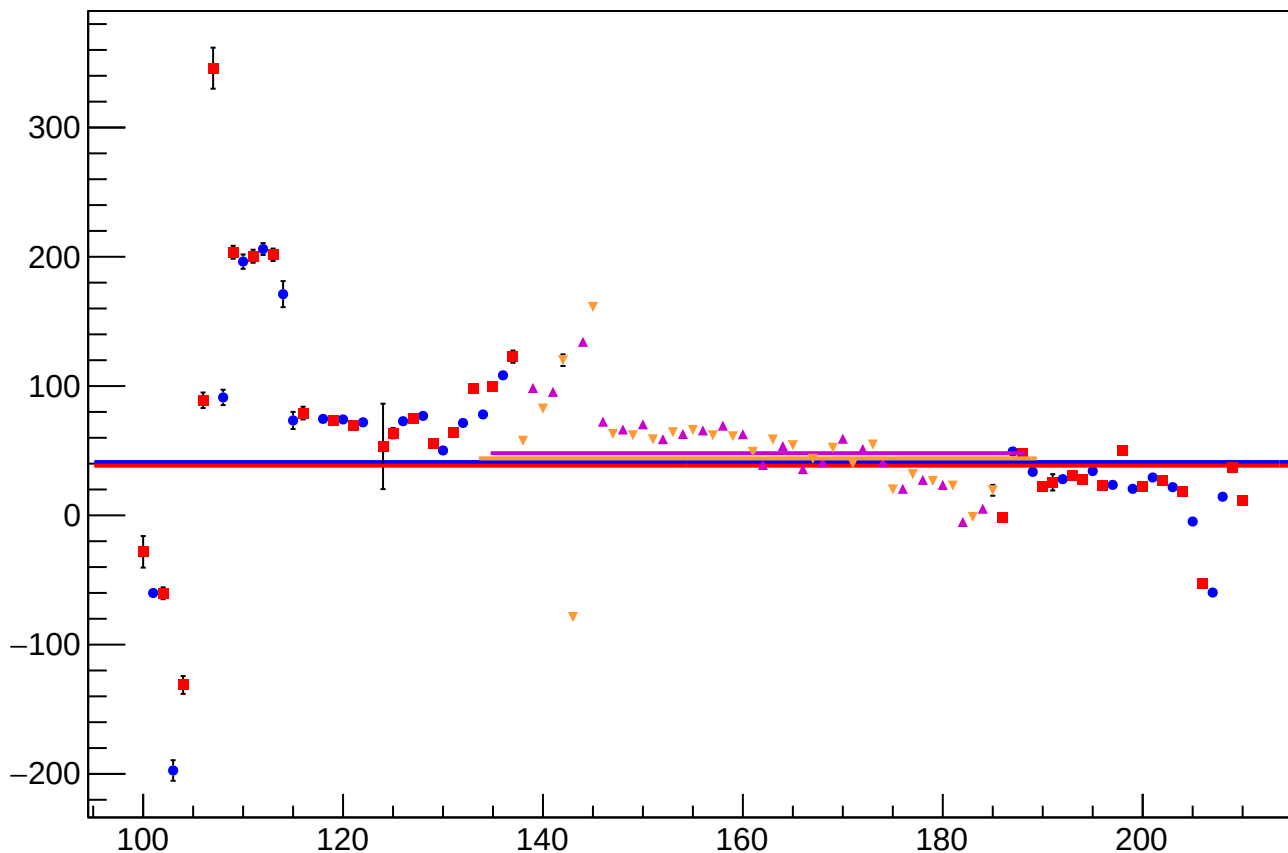
Left In: 6.461 ± 0.408 χ^2/NDF : 336.0/22

+ sign 6.945 ± 0.337 χ^2/NDF : 1308.5/51

All: 7.406 ± 0.239 χ^2/NDF : 2258.4/107

- sign 7.871 ± 0.338 χ^2/NDF : 946.1/55

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 41.210 ± 0.577 χ^2/NDF : 7862.1/26

Left Out: 44.040 ± 0.510 χ^2/NDF : 4563.8/24

Right Out: 38.444 ± 0.486 χ^2/NDF : 9122.8/32

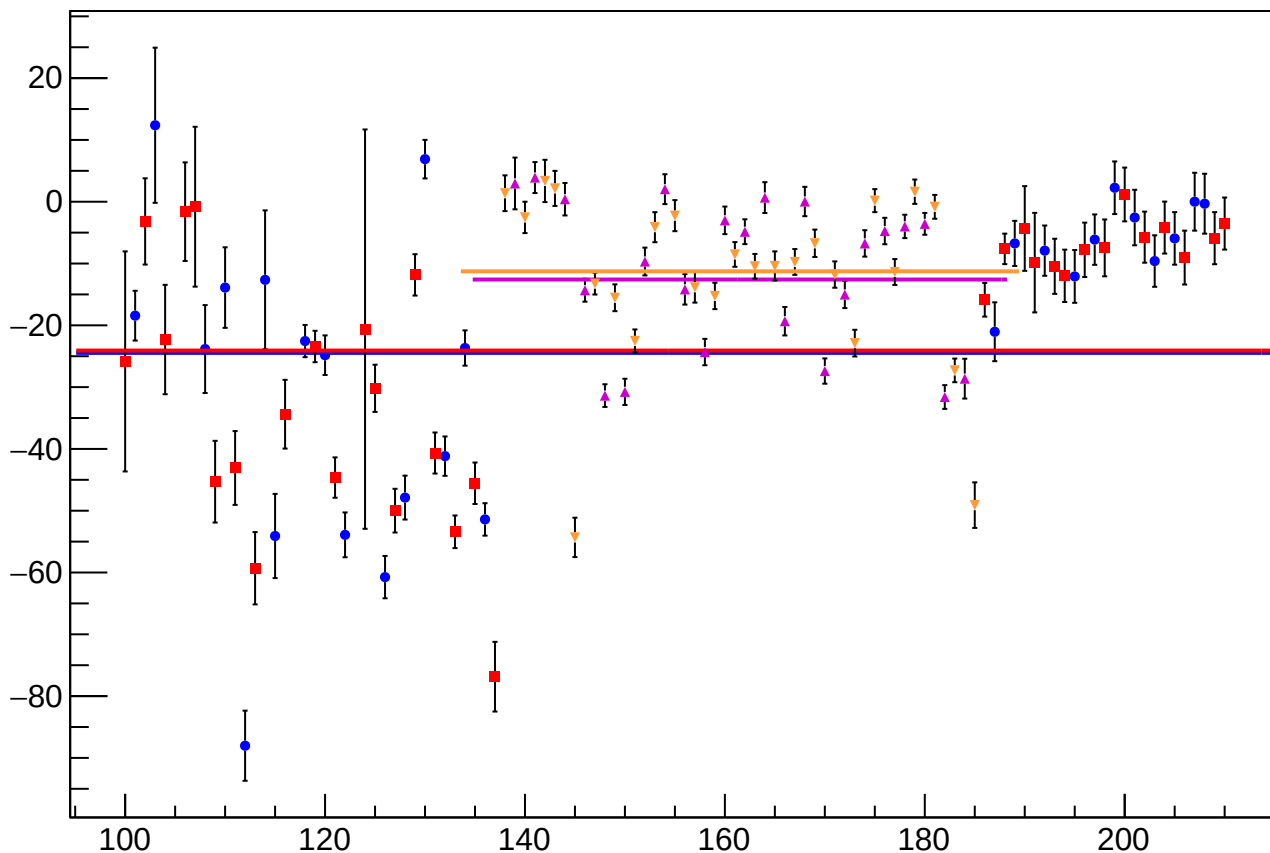
Left In: 48.076 ± 0.521 χ^2/NDF : 3376.5/22

+ sign 42.798 ± 0.382 χ^2/NDF : 12439.5/51

All: 42.865 ± 0.260 χ^2/NDF : 25121.6/107

- sign 42.923 ± 0.355 χ^2/NDF : 12682.1/55

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -24.455 +/- 0.761 χ^2/NDF : 831.5/26

Left Out: -11.260 +/- 0.445 χ^2/NDF : 643.3/24

Right Out: -24.082 +/- 0.728 χ^2/NDF : 706.1/32

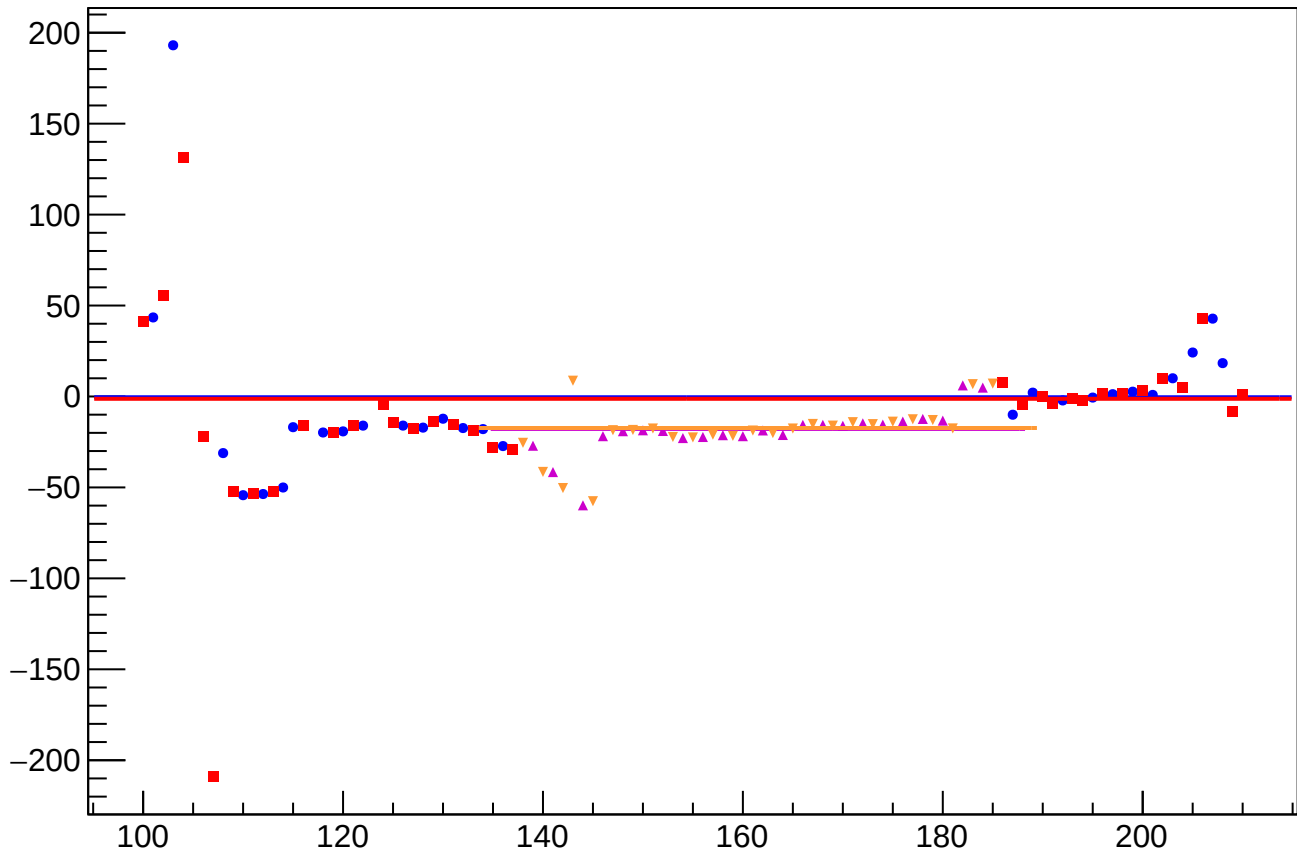
Left In: -12.589 +/- 0.459 χ^2/NDF : 671.8/22

+ sign -14.621 +/- 0.384 χ^2/NDF : 1698.8/51

All: -15.232 +/- 0.273 χ^2/NDF : 3260.2/107

- sign -15.856 +/- 0.388 χ^2/NDF : 1556.3/55

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.427 ± 0.036 χ^2/NDF : 643310.9/26

Left Out: -17.330 ± 0.020 χ^2/NDF : 347790.9/24

Right Out: -1.269 ± 0.034 χ^2/NDF : 571366.9/32

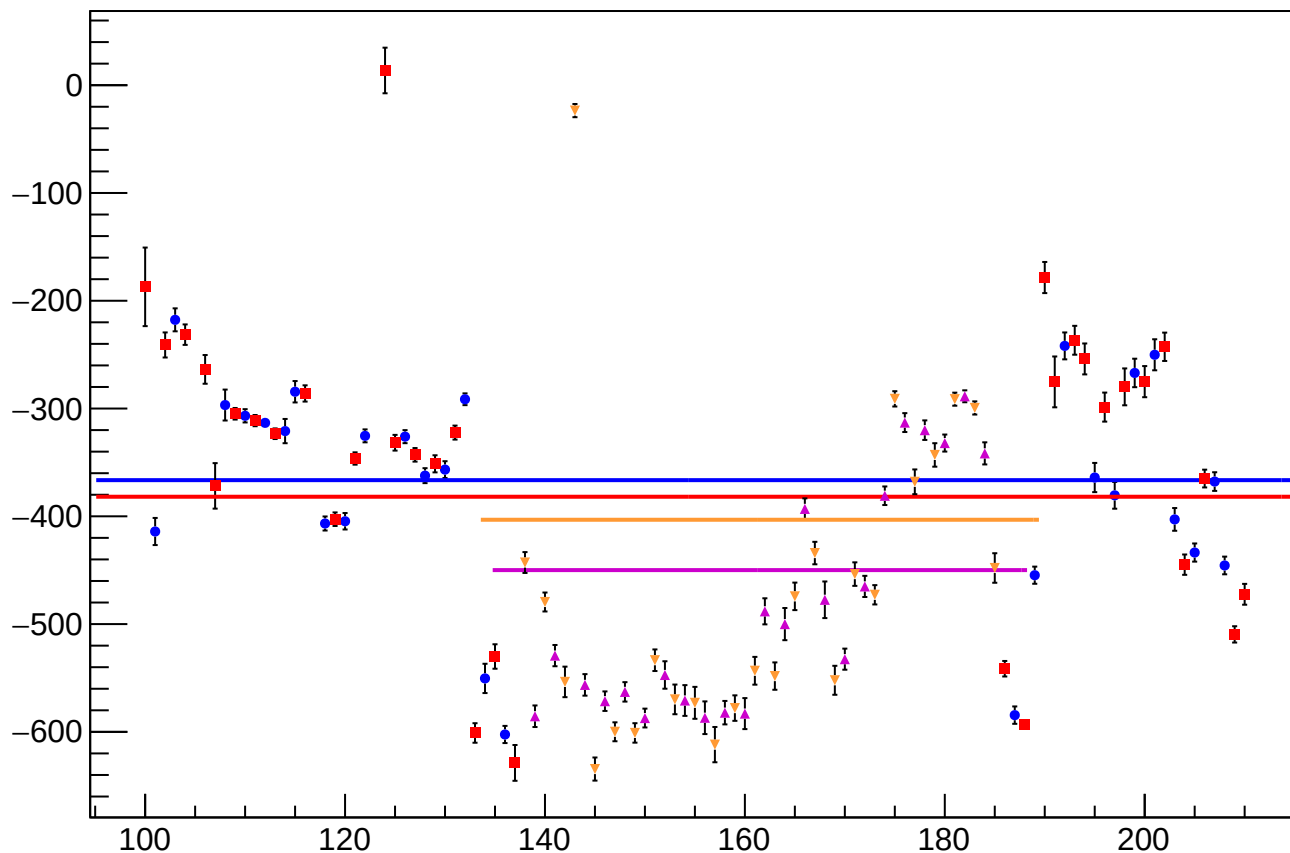
Left In: -17.829 ± 0.020 χ^2/NDF : 267426.0/22

+ sign -13.298 ± 0.017 χ^2/NDF : 1162081.1/51

All: -13.391 ± 0.012 χ^2/NDF : 2175666.7/107

- sign -13.485 ± 0.017 χ^2/NDF : 1013527.7/55

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -366.450 ± 1.558 χ^2/NDF : 3199.9/26

Left Out: -403.195 ± 1.928 χ^2/NDF : 7750.3/24

Right Out: -381.835 ± 1.433 χ^2/NDF : 6744.2/32

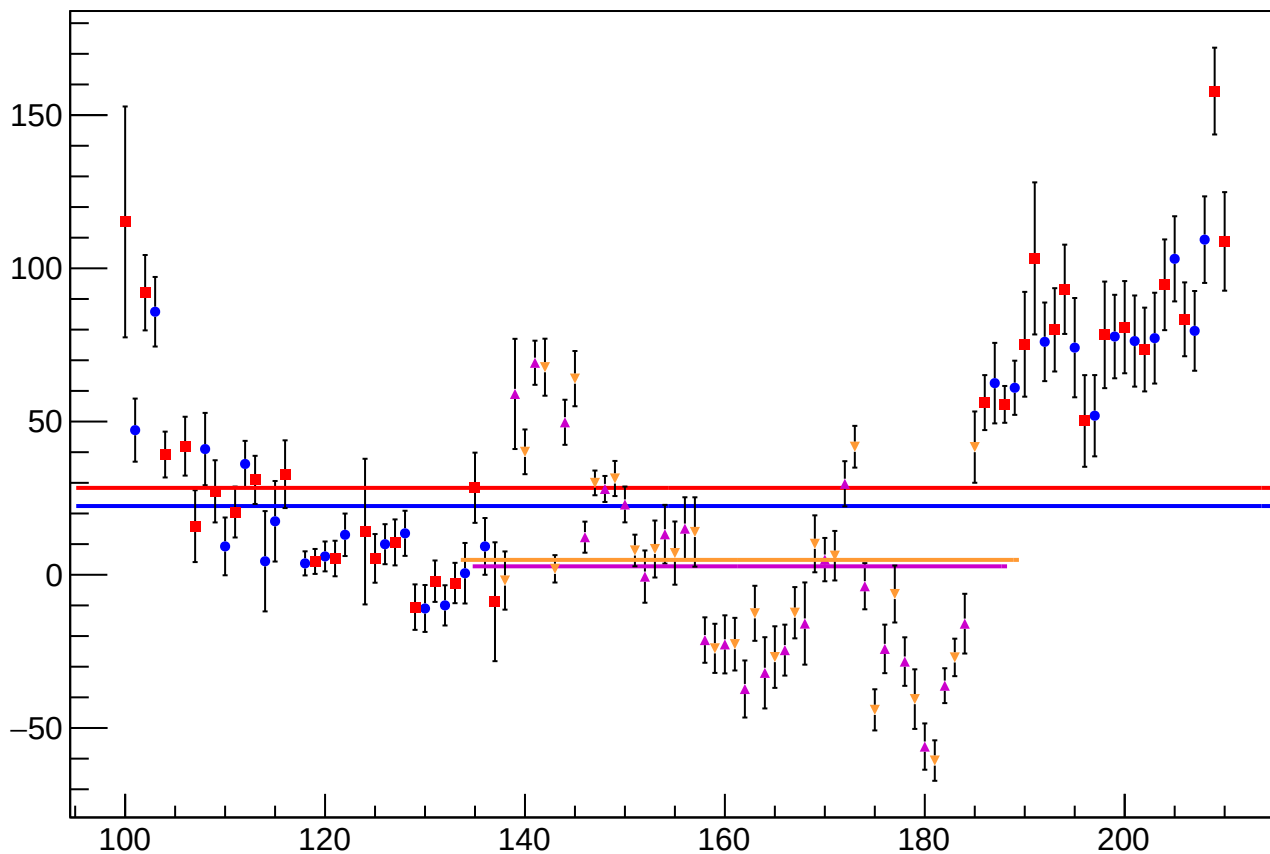
Left In: -449.912 ± 2.043 χ^2/NDF : 3218.9/22

+ sign -380.974 ± 1.212 χ^2/NDF : 11170.0/51

All: -393.003 ± 0.843 χ^2/NDF : 22068.2/107

- sign -404.273 ± 1.173 χ^2/NDF : 10707.4/55

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 22.429 ± 1.668 $\chi^2/\text{NDF}: 332.6/26$

Left Out: 4.858 ± 1.447 $\chi^2/\text{NDF}: 457.2/24$

Right Out: 28.353 ± 1.614 $\chi^2/\text{NDF}: 441.1/32$

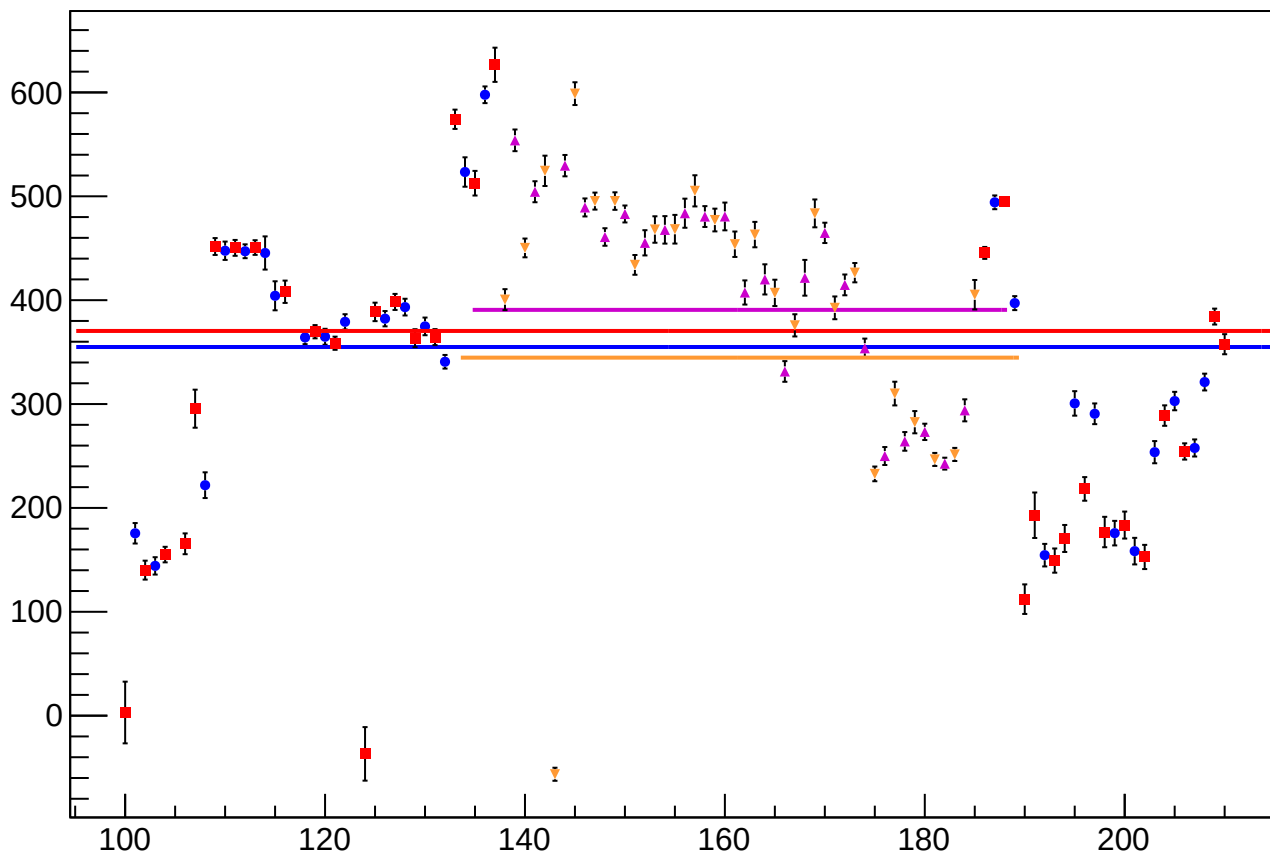
Left In: 2.756 ± 1.554 $\chi^2/\text{NDF}: 399.6/22$

+ sign 12.400 ± 1.093 $\chi^2/\text{NDF}: 853.0/51$

All: 13.705 ± 0.782 $\chi^2/\text{NDF}: 1827.2/107$

- sign 15.074 ± 1.120 $\chi^2/\text{NDF}: 971.2/55$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 354.911 $\pm$ 1.663 χ^2/NDF : 4176.1/26

Left Out: 344.680 $\pm$ 1.924 χ^2/NDF : 7278.2/24

Right Out: 370.368 $\pm$ 1.487 χ^2/NDF : 7213.2/32

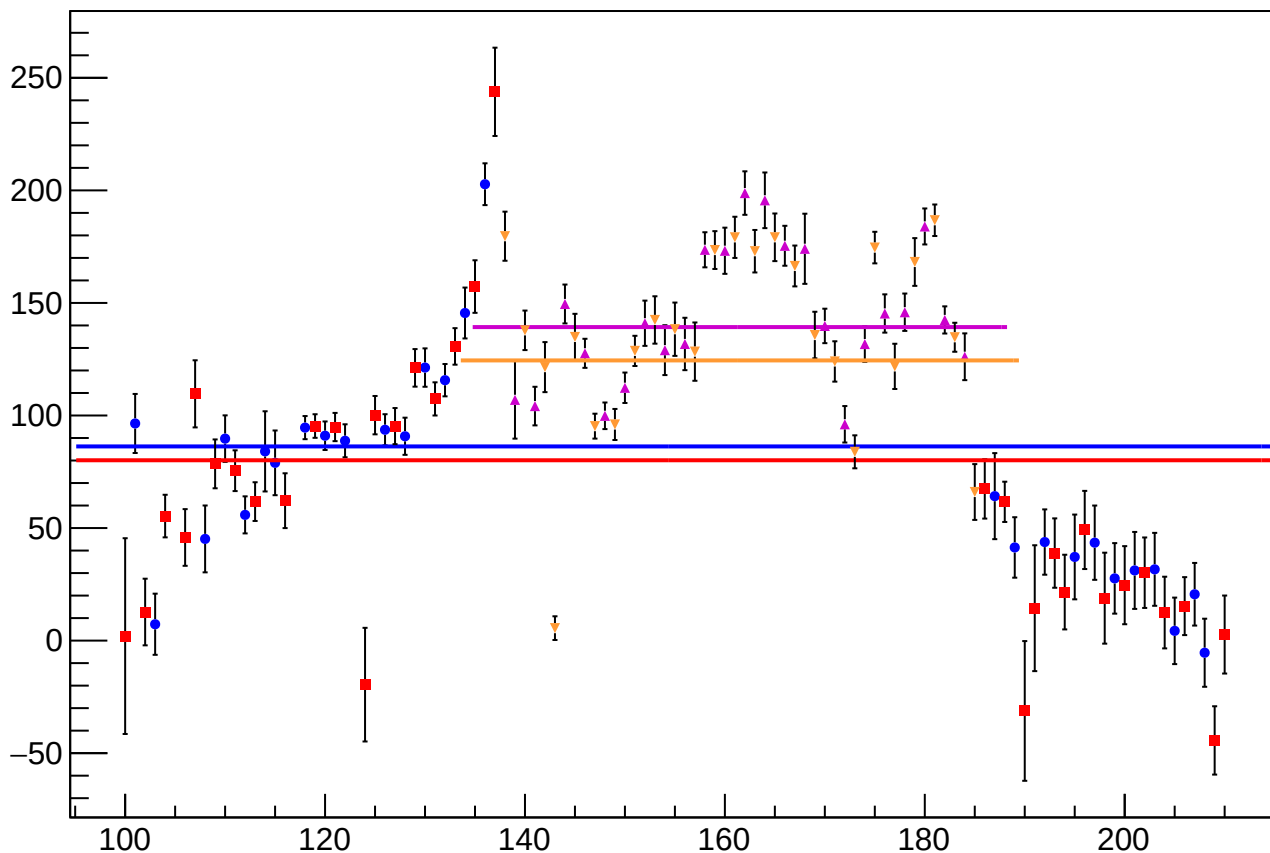
Left In: 390.672 $\pm$ 2.029 χ^2/NDF : 2672.8/22

+ sign 350.536 $\pm$ 1.258 χ^2/NDF : 11470.5/51

All: 364.641 $\pm$ 0.868 χ^2/NDF : 21661.5/107

- sign 377.460 $\pm$ 1.199 χ^2/NDF : 9951.1/55

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 86.261 ± 1.952 χ^2/NDF : 439.7/26

Left Out: 124.466 ± 1.662 χ^2/NDF : 937.6/24

Right Out: 80.111 ± 1.897 χ^2/NDF : 484.5/32

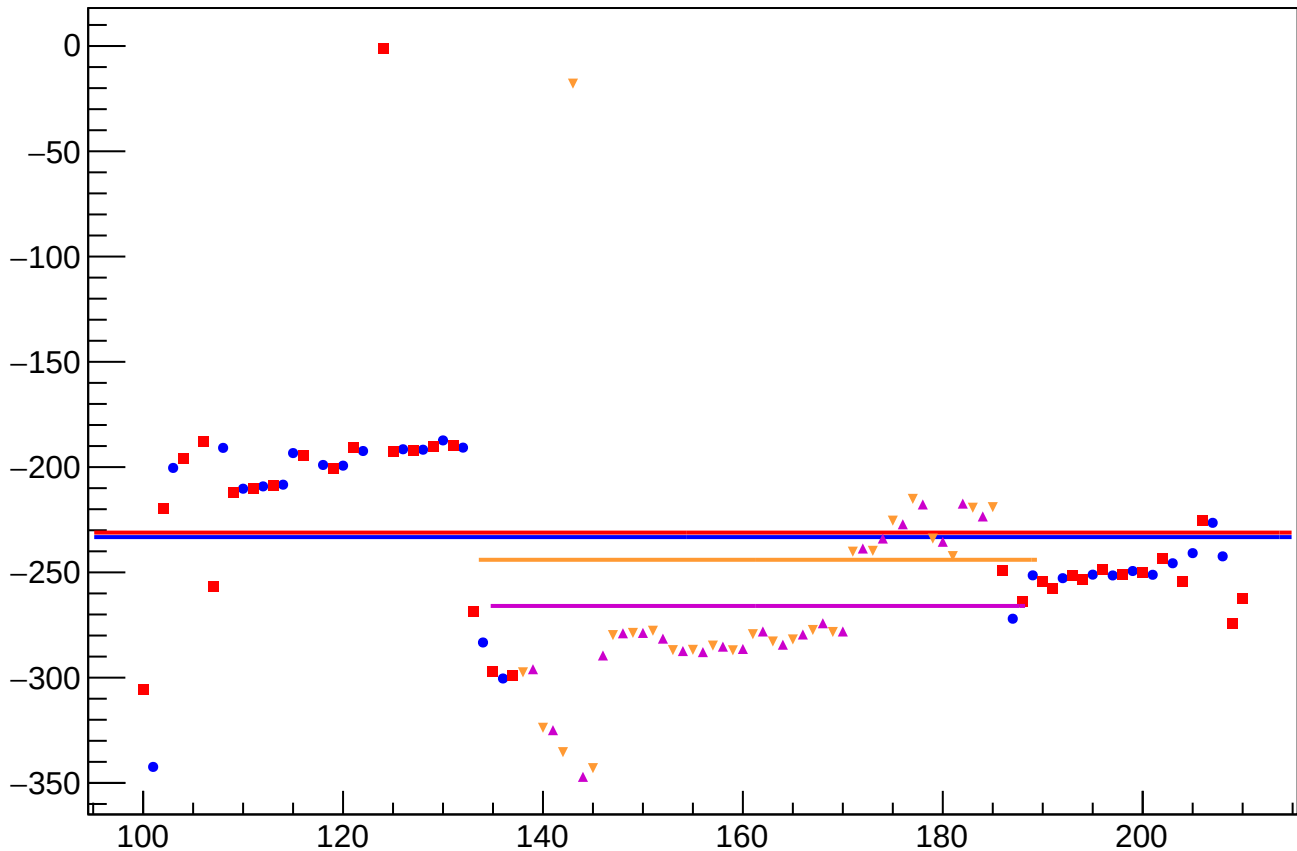
Left In: 139.274 ± 1.769 χ^2/NDF : 260.9/22

+ sign 108.411 ± 1.265 χ^2/NDF : 1599.4/51

All: 110.042 ± 0.905 χ^2/NDF : 2868.4/107

- sign 111.747 ± 1.294 χ^2/NDF : 1265.6/55

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -233.248 ± 0.107 χ^2/NDF : 136096.1/26

Left Out: -244.021 ± 0.077 χ^2/NDF : 997959.6/24

Right Out: -231.102 ± 0.101 χ^2/NDF : 116789.4/32

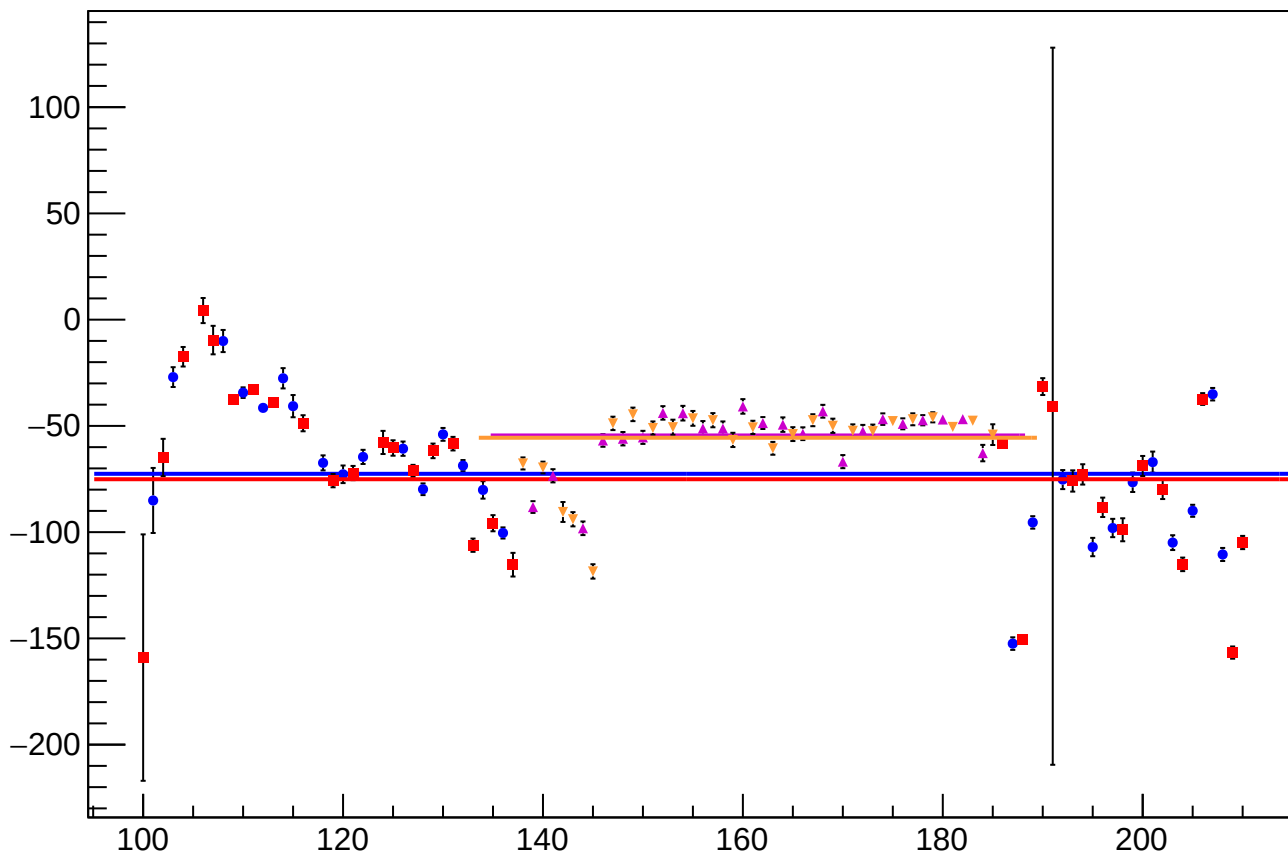
Left In: -265.945 ± 0.081 χ^2/NDF : 169943.2/22

+ sign -240.315 ± 0.063 χ^2/NDF : 1140730.9/51

All: -246.337 ± 0.044 χ^2/NDF : 1518748.0/10

- sign -252.423 ± 0.063 χ^2/NDF : 359433.0/55

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -72.545 ± 0.651 χ^2/NDF : 2323.5/26

Left Out: -55.575 ± 0.590 χ^2/NDF : 686.5/24

Right Out: -75.100 ± 0.575 χ^2/NDF : 5055.9/32

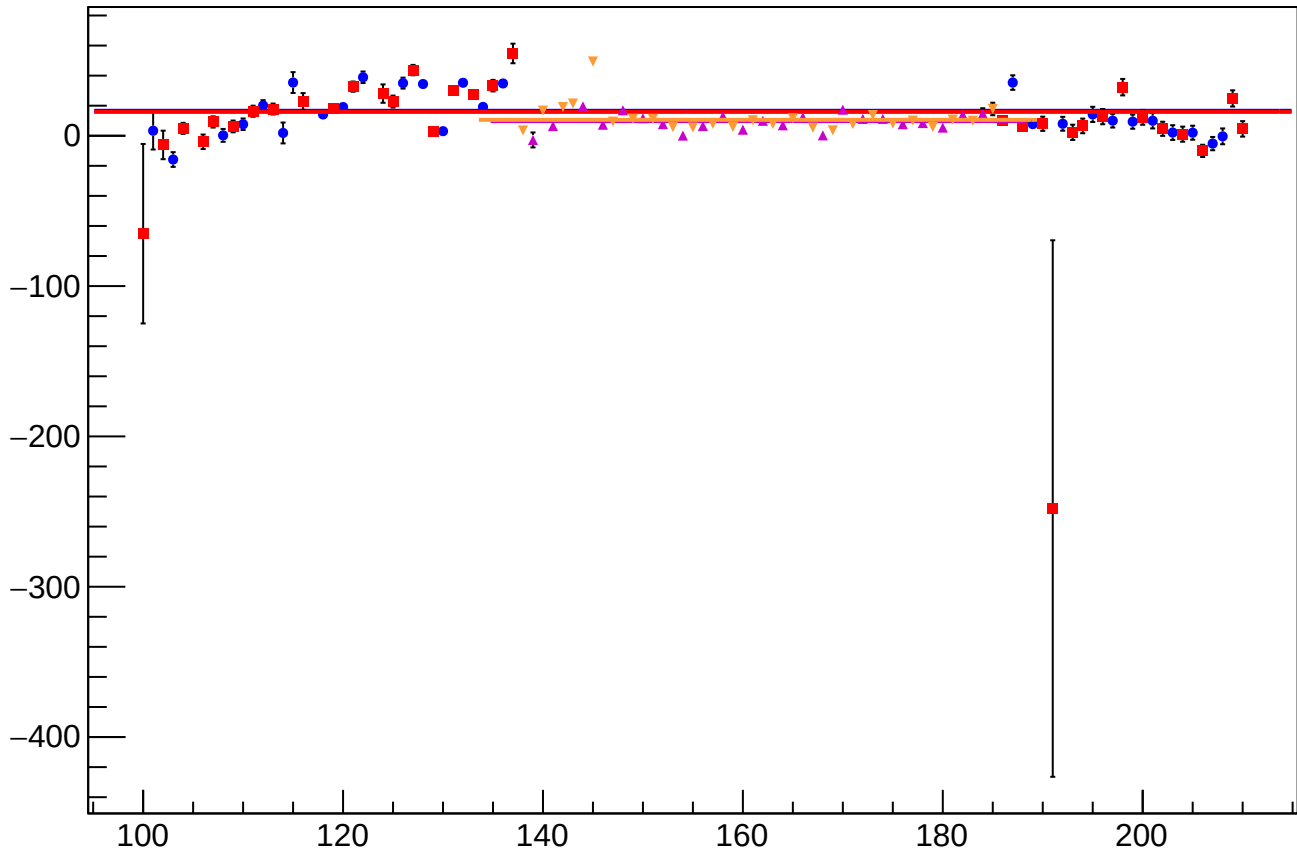
Left In: -54.499 ± 0.606 χ^2/NDF : 500.4/22

+ sign -63.227 ± 0.437 χ^2/NDF : 3383.0/51

All: -64.340 ± 0.302 χ^2/NDF : 9559.9/107

- sign -65.352 ± 0.417 χ^2/NDF : 6164.6/55

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 16.606 $\pm$ 0.733 χ^2 /NDF: 347.6/26

Left Out: 10.603 $\pm$ 0.449 χ^2 /NDF: 255.2/24

Right Out: 15.884 $\pm$ 0.668 χ^2 /NDF: 368.6/32

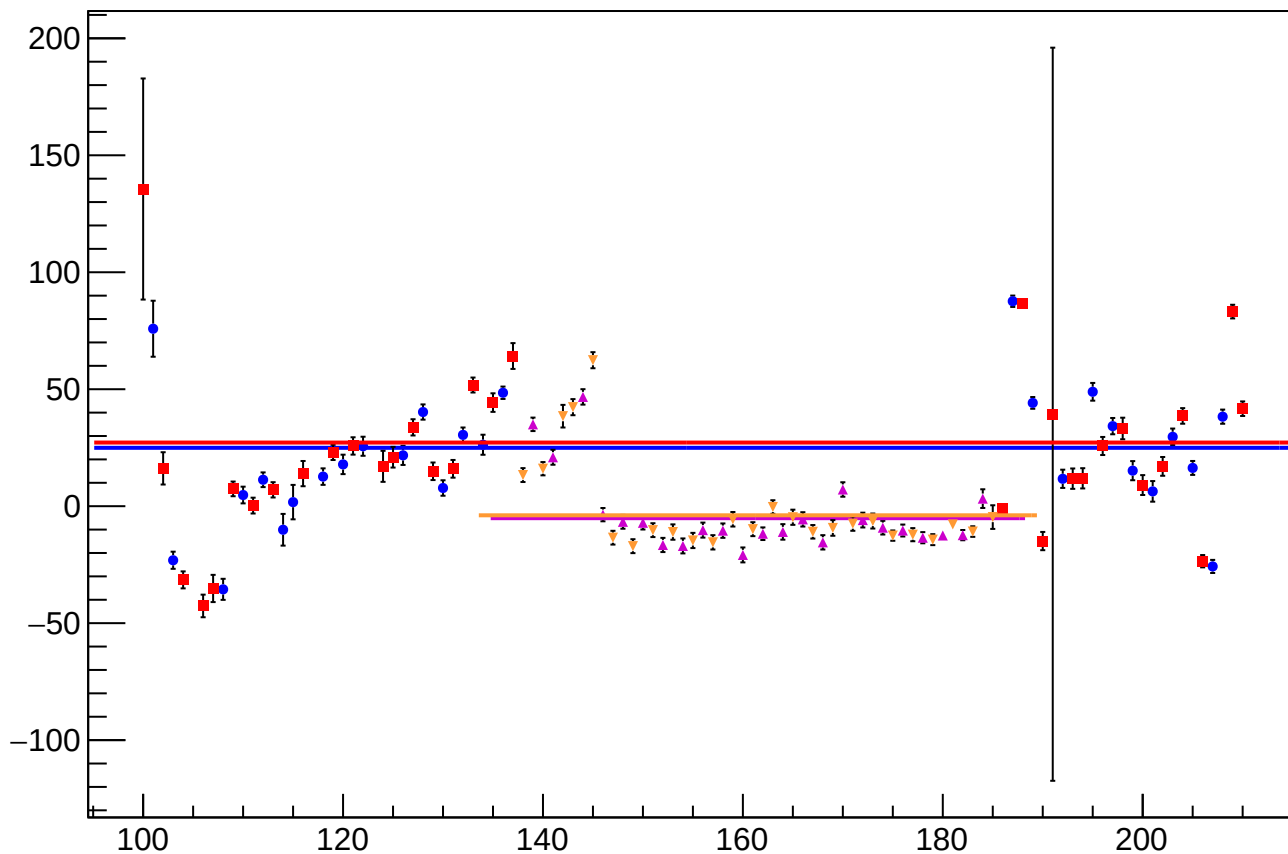
Left In: 9.765 $\pm$ 0.467 χ^2 /NDF: 121.0/22

+ sign 12.242 $\pm$ 0.383 χ^2 /NDF: 651.5/51

All: 12.007 $\pm$ 0.271 χ^2 /NDF: 1198.3/107

- sign 11.773 $\pm$ 0.383 χ^2 /NDF: 546.0/55

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 24.958 ± 0.677 $\chi^2/\text{NDF}: 1768.6/26$

Left Out: -3.895 ± 0.585 $\chi^2/\text{NDF}: 850.2/24$

Right Out: 27.203 ± 0.576 $\chi^2/\text{NDF}: 4077.9/32$

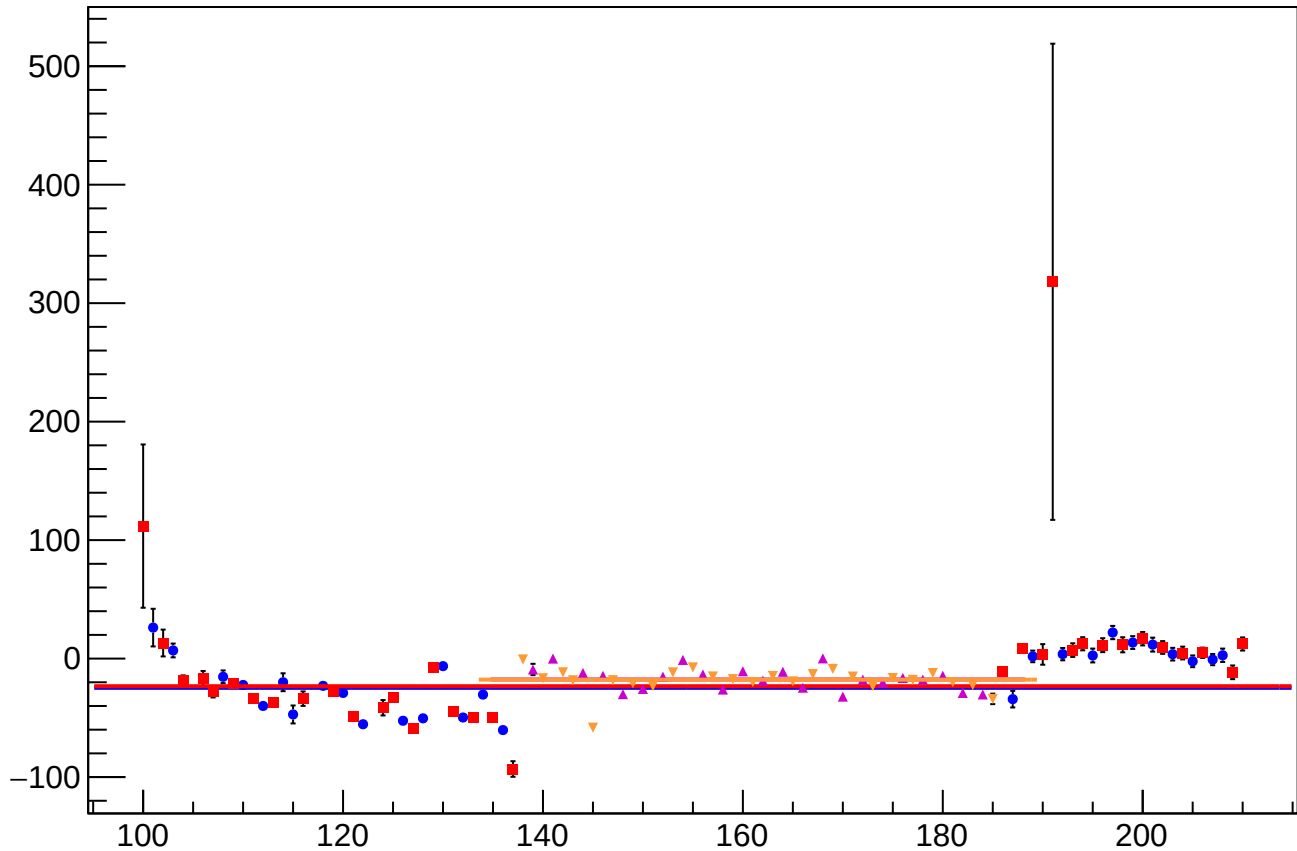
Left In: -5.124 ± 0.600 $\chi^2/\text{NDF}: 649.7/22$

+ sign 8.434 ± 0.443 $\chi^2/\text{NDF}: 3658.0/51$

All: 10.163 ± 0.303 $\chi^2/\text{NDF}: 9925.7/107$

- sign 11.685 ± 0.415 $\chi^2/\text{NDF}: 6239.1/55$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -24.681 ± 0.847 χ^2/NDF : 790.7/26

Left Out: -17.776 ± 0.509 χ^2/NDF : 251.6/24

Right Out: -23.301 ± 0.795 χ^2/NDF : 942.9/32

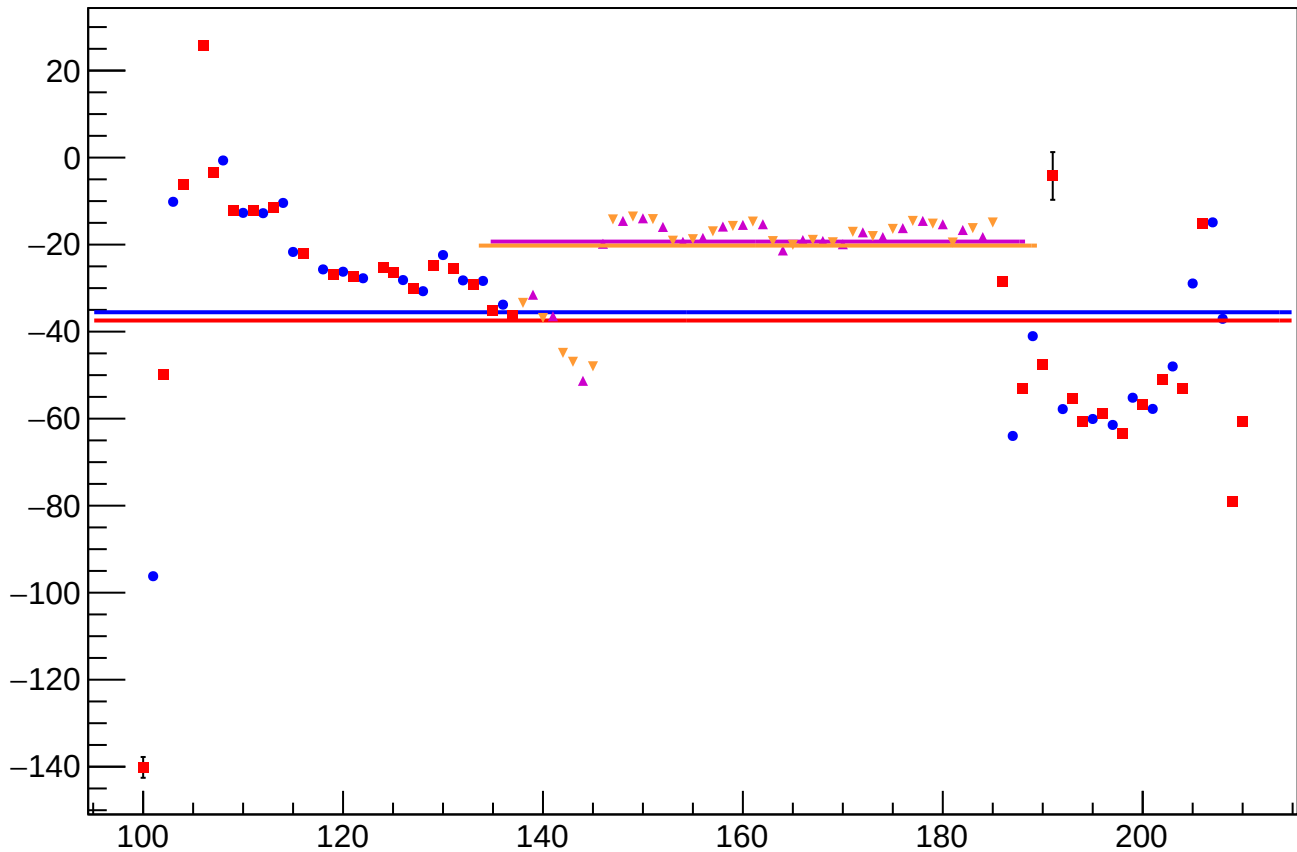
Left In: -17.643 ± 0.526 χ^2/NDF : 285.9/22

+ sign -19.607 ± 0.436 χ^2/NDF : 1091.1/51

All: -19.488 ± 0.309 χ^2/NDF : 2355.3/107

- sign -19.367 ± 0.439 χ^2/NDF : 1264.1/55

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -35.543 ± 0.041 $\chi^2/\text{NDF}: 212691.0/26$

Left Out: -20.227 ± 0.023 $\chi^2/\text{NDF}: 147352.7/24$

Right Out: -37.445 ± 0.040 $\chi^2/\text{NDF}: 325404.3/32$

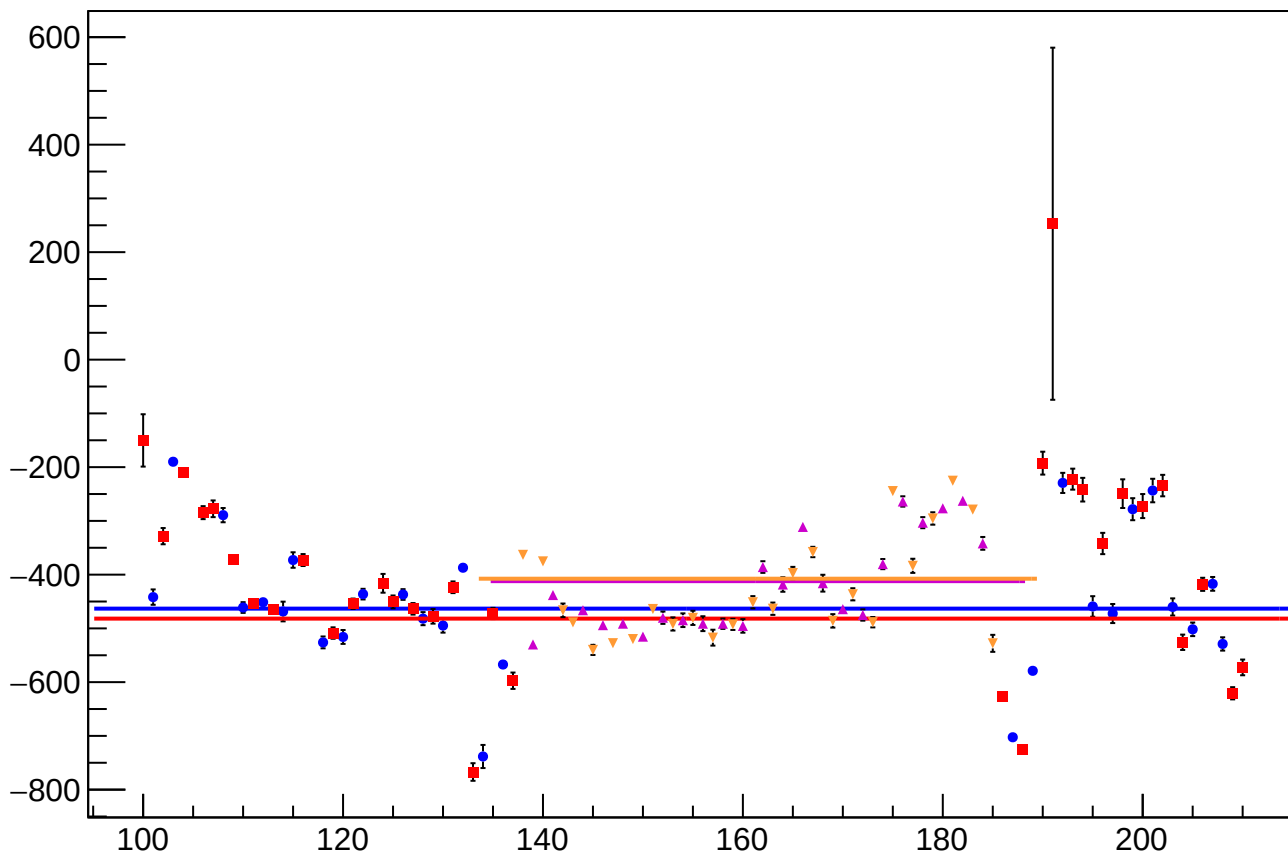
Left In: -19.310 ± 0.023 $\chi^2/\text{NDF}: 93090.9/22$

+ sign -23.862 ± 0.020 $\chi^2/\text{NDF}: 466627.4/51$

All: -23.919 ± 0.014 $\chi^2/\text{NDF}: 1041488.1/107$

- sign -23.976 ± 0.020 $\chi^2/\text{NDF}: 574844.4/55$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -463.232 ± 2.246 χ^2/NDF : 2857.5/26

Left Out: -407.554 ± 1.951 χ^2/NDF : 2872.6/24

Right Out: -481.800 ± 1.979 χ^2/NDF : 6309.3/32

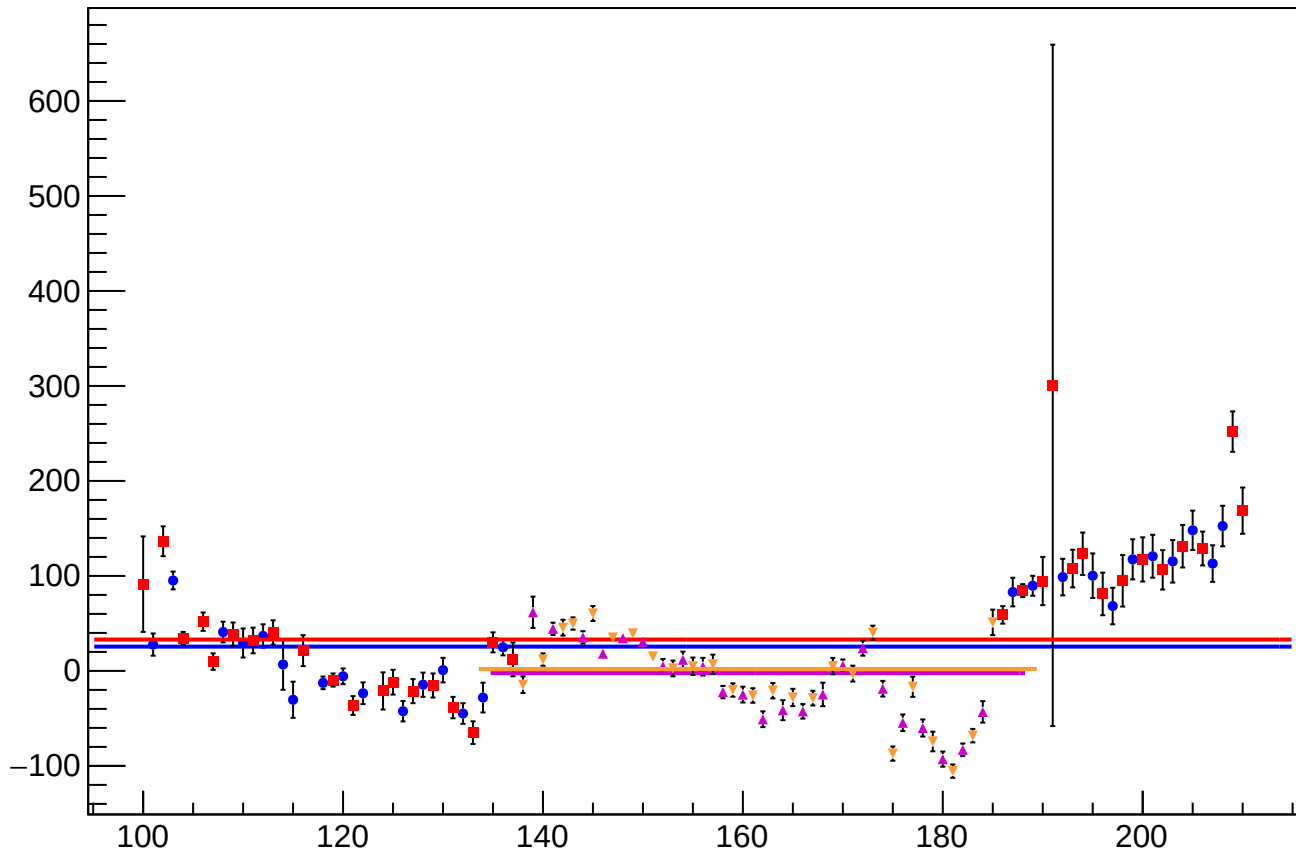
Left In: -412.102 ± 2.008 χ^2/NDF : 2182.3/22

+ sign -431.494 ± 1.473 χ^2/NDF : 6080.2/51

All: -439.830 ± 1.018 χ^2/NDF : 15244.2/107

- sign -447.464 ± 1.410 χ^2/NDF : 9102.7/55

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 25.587 $\pm$ 2.436 χ^2 /NDF: 465.6/26

Left Out: 2.035 $\pm$ 1.426 χ^2 /NDF: 910.7/24

Right Out: 33.038 $\pm$ 2.188 χ^2 /NDF: 629.0/32

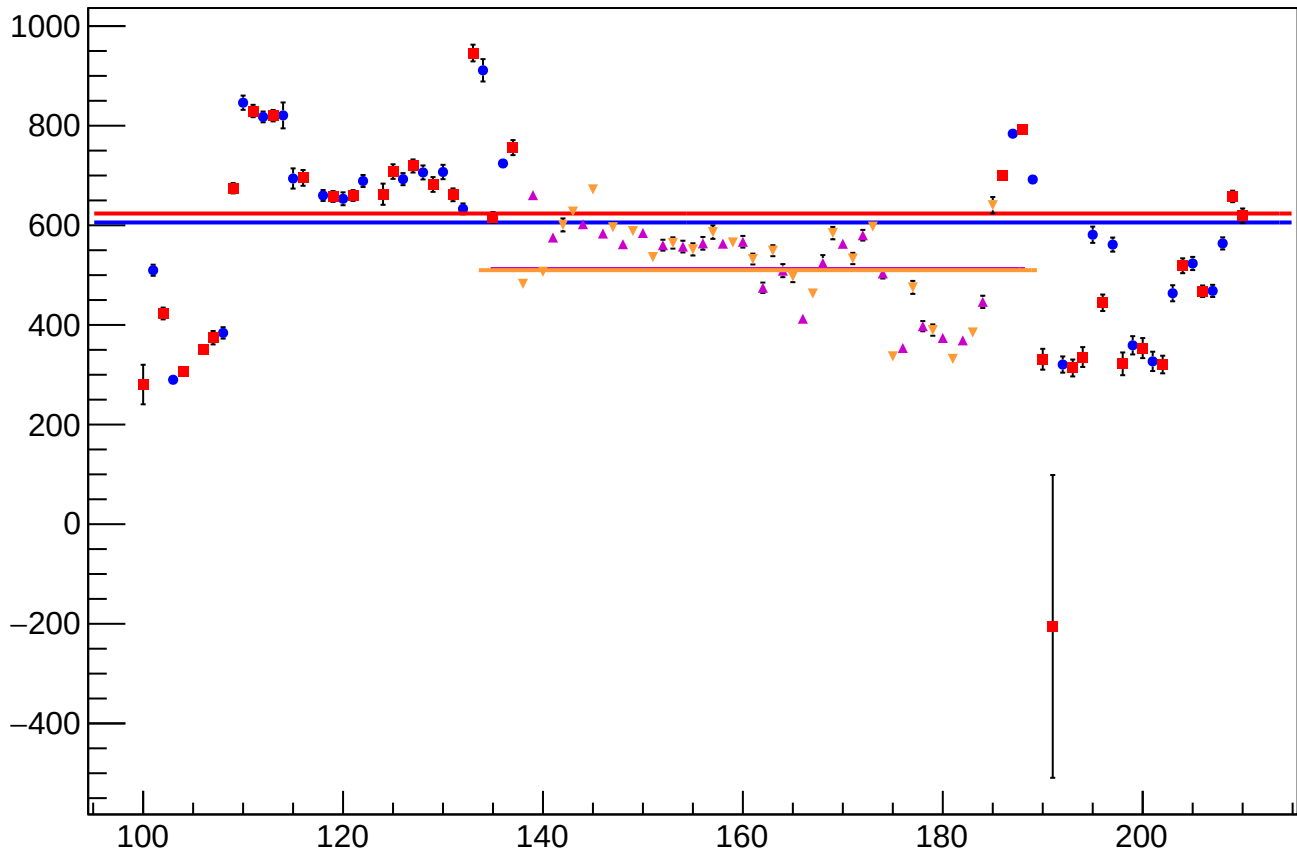
Left In: -2.365 $\pm$ 1.482 χ^2 /NDF: 733.4/22

+ sign 8.045 $\pm$ 1.231 χ^2 /NDF: 1446.0/51

All: 8.412 $\pm$ 0.869 χ^2 /NDF: 2988.0/107

- sign 8.776 $\pm$ 1.227 χ^2 /NDF: 1541.9/55

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 605.708 $\pm$ 2.267 χ^2 /NDF: 5526.7/26

Left Out: 509.912 $\pm$ 1.936 χ^2 /NDF: 2662.6/24

Right Out: 623.703 $\pm$ 1.935 χ^2 /NDF: 8815.7/32

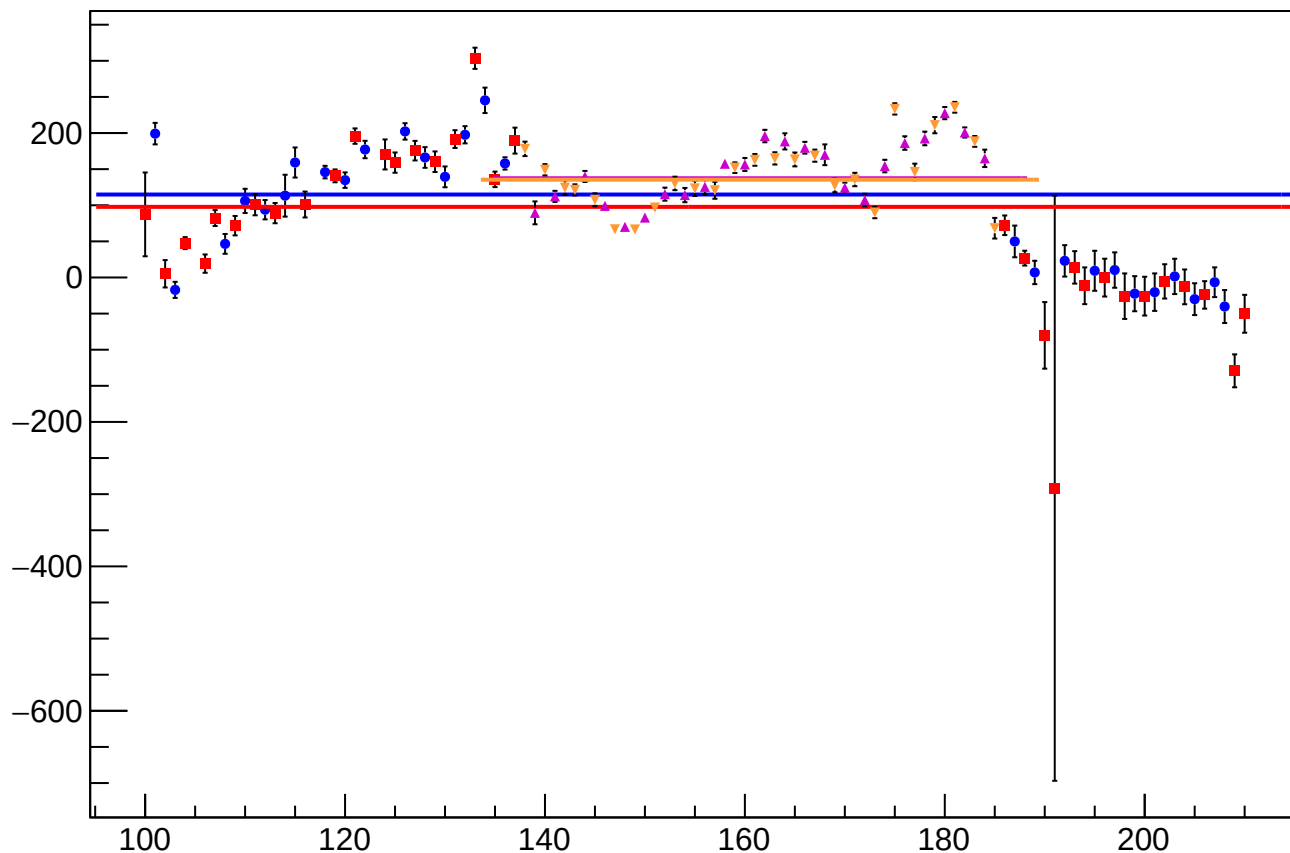
Left In: 512.270 $\pm$ 1.984 χ^2 /NDF: 2087.6/22

+ sign 550.294 $\pm$ 1.472 χ^2 /NDF: 9221.7/51

All: 560.417 $\pm$ 1.009 χ^2 /NDF: 21831.1/107

- sign 569.378 $\pm$ 1.385 χ^2 /NDF: 12520.3/55

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 114.864 $\pm$ 2.853 χ^2 /NDF: 759.1/26

Left Out: 135.407 $\pm$ 1.649 χ^2 /NDF: 923.2/24

Right Out: 97.791 $\pm$ 2.625 χ^2 /NDF: 952.2/32

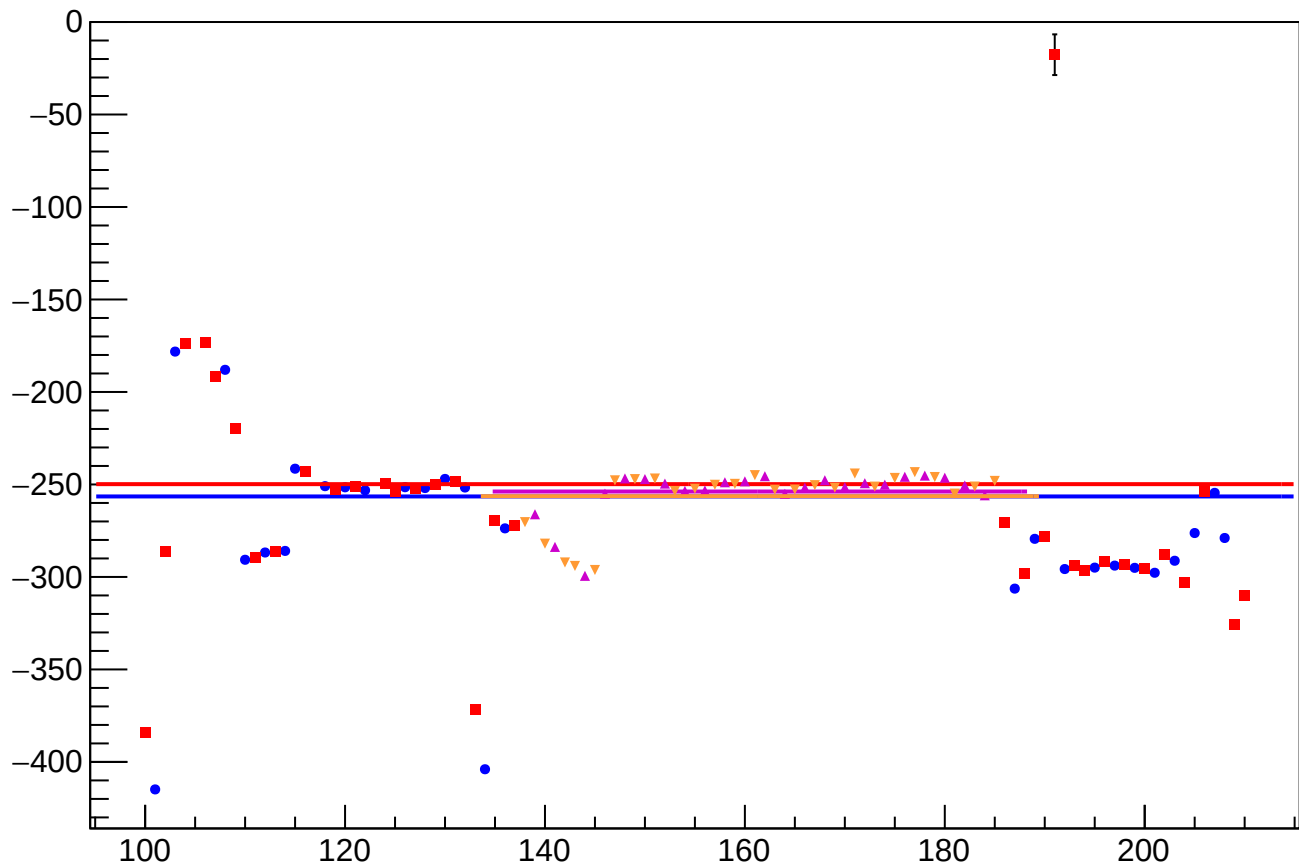
Left In: 137.374 $\pm$ 1.702 χ^2 /NDF: 706.0/22

+ sign 130.263 $\pm$ 1.428 χ^2 /NDF: 1721.1/51

All: 127.962 $\pm$ 1.010 χ^2 /NDF: 3544.6/107

- sign 125.659 $\pm$ 1.428 χ^2 /NDF: 1818.2/55

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -256.481 ± 0.136 χ^2/NDF : 198460.6/26

Left Out: -256.344 ± 0.077 χ^2/NDF : 39513.4/24

Right Out: -249.831 ± 0.129 χ^2/NDF : 156311.9/32

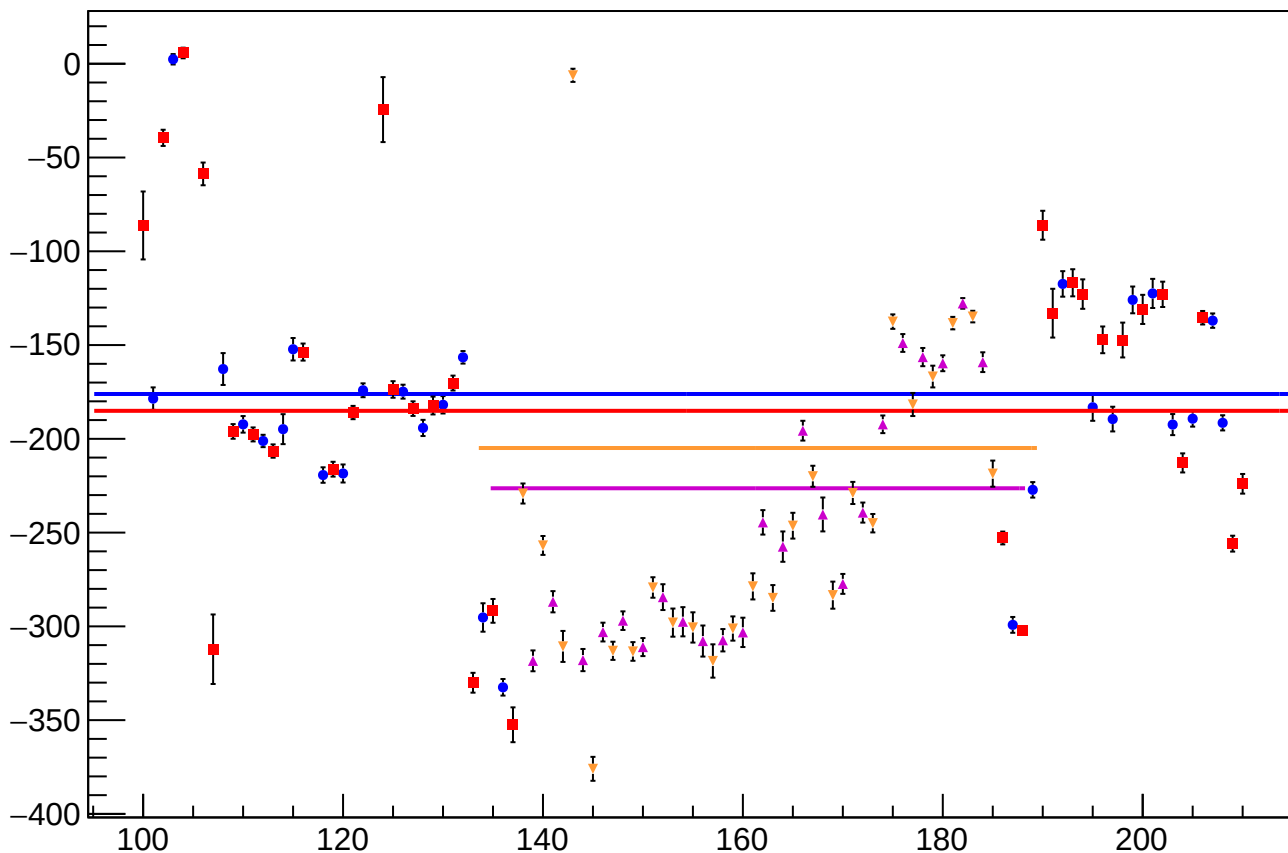
Left In: -253.817 ± 0.078 χ^2/NDF : 24076.7/22

+ sign -256.377 ± 0.067 χ^2/NDF : 237974.7/51

All: -254.558 ± 0.047 χ^2/NDF : 420527.0/107

- sign -252.757 ± 0.067 χ^2/NDF : 181086.2/55

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -176.094 ± 0.879 $\chi^2/\text{NDF}: 7276.6/26$

Left Out: -204.891 ± 1.052 $\chi^2/\text{NDF}: 7826.3/24$

Right Out: -185.068 ± 0.807 $\chi^2/\text{NDF}: 11915.3/32$

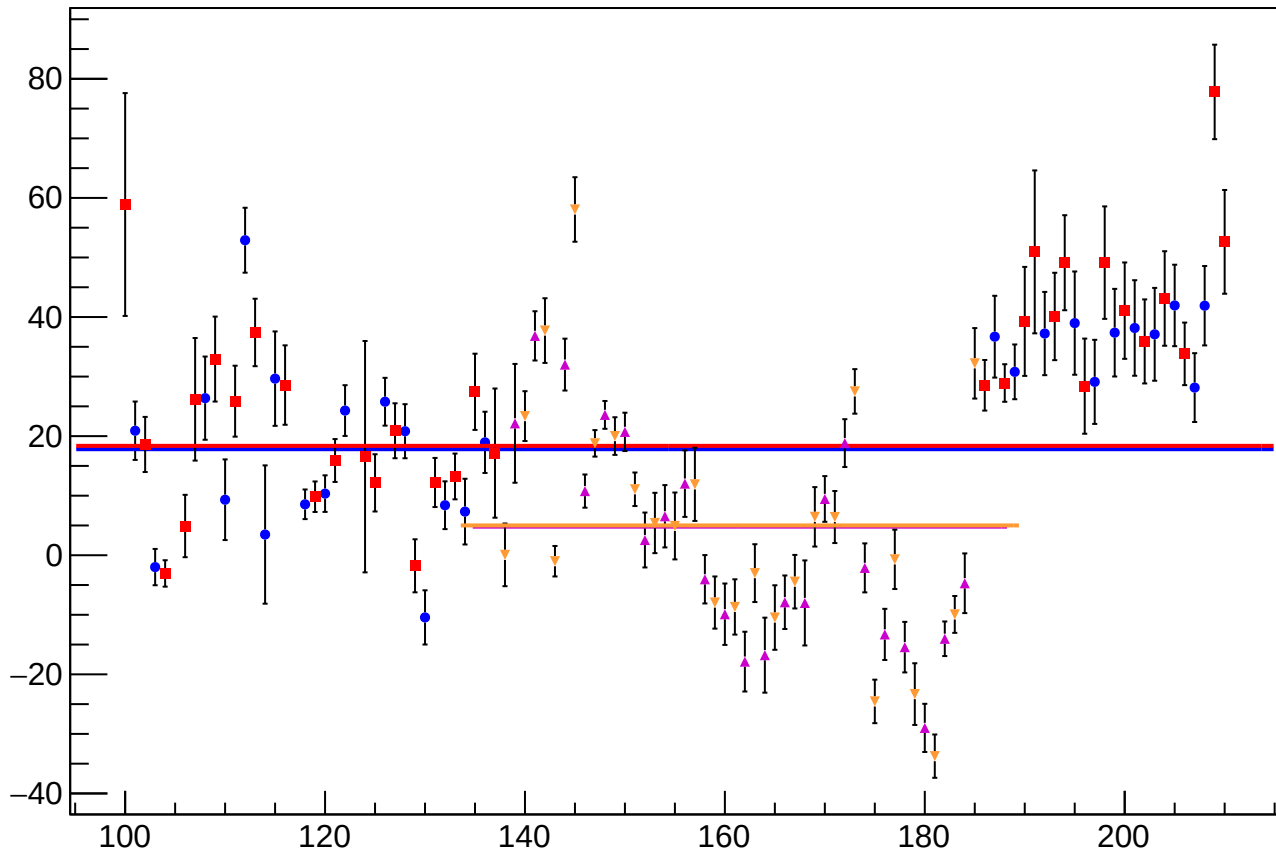
Left In: -226.365 ± 1.105 $\chi^2/\text{NDF}: 4219.0/22$

+ sign -187.928 ± 0.674 $\chi^2/\text{NDF}: 15544.3/51$

All: -193.876 ± 0.469 $\chi^2/\text{NDF}: 32740.2/107$

- sign -199.430 ± 0.652 $\chi^2/\text{NDF}: 17045.4/55$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 17.806 $\pm$ 0.949 χ^2 /NDF: 245.1/26

Left Out: 5.006 $\pm$ 0.793 χ^2 /NDF: 548.5/24

Right Out: 18.368 $\pm$ 0.883 χ^2 /NDF: 332.3/32

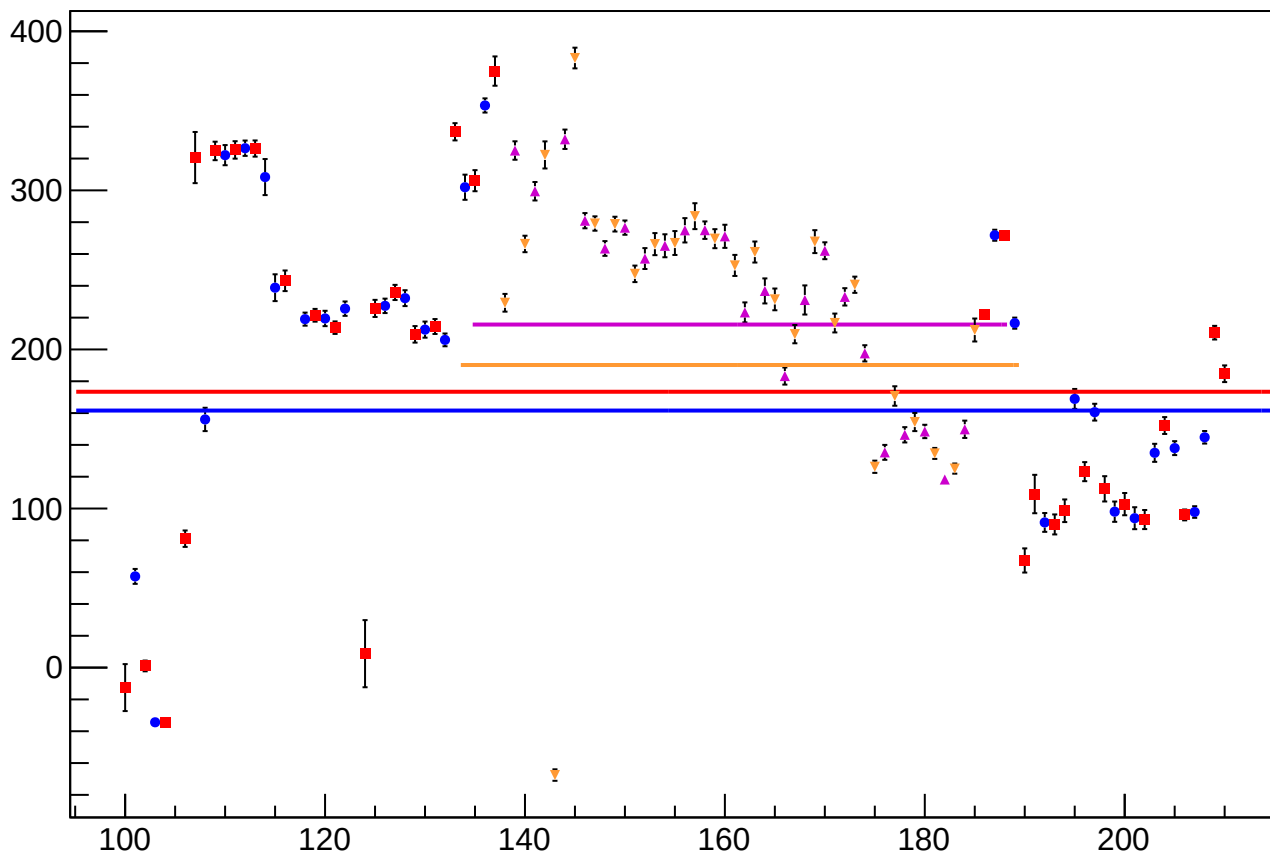
Left In: 4.799 $\pm$ 0.846 χ^2 /NDF: 426.3/22

+ sign 10.269 $\pm$ 0.609 χ^2 /NDF: 900.6/51

All: 10.782 $\pm$ 0.431 χ^2 /NDF: 1783.8/107

- sign 11.299 $\pm$ 0.611 χ^2 /NDF: 881.7/55

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 161.584 $\pm$ 0.879 χ^2/NDF : 15920.6/26

Left Out: 190.219 $\pm$ 1.050 χ^2/NDF : 9384.0/24

Right Out: 173.403 $\pm$ 0.785 χ^2/NDF : 21450.5/32

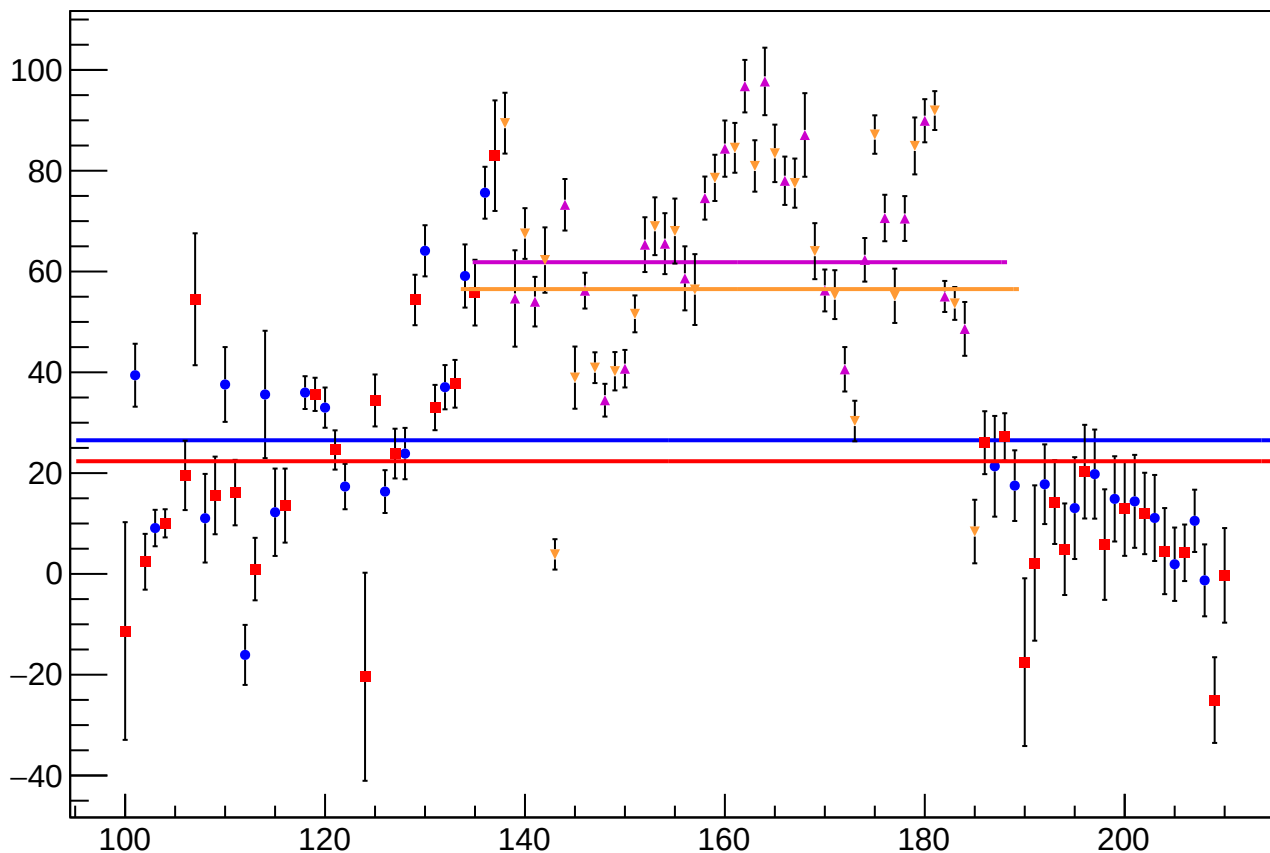
Left In: 215.649 $\pm$ 1.098 χ^2/NDF : 3886.0/22

+ sign 173.385 $\pm$ 0.674 χ^2/NDF : 25741.8/51

All: 180.920 $\pm$ 0.464 χ^2/NDF : 52295.0/107

- sign 187.681 $\pm$ 0.638 χ^2/NDF : 26316.1/55

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 26.517 $\pm$ 1.112 χ^2/NDF : 332.7/26

Left Out: 56.514 $\pm$ 0.909 χ^2/NDF : 798.9/24

Right Out: 22.358 $\pm$ 1.053 χ^2/NDF : 266.6/32

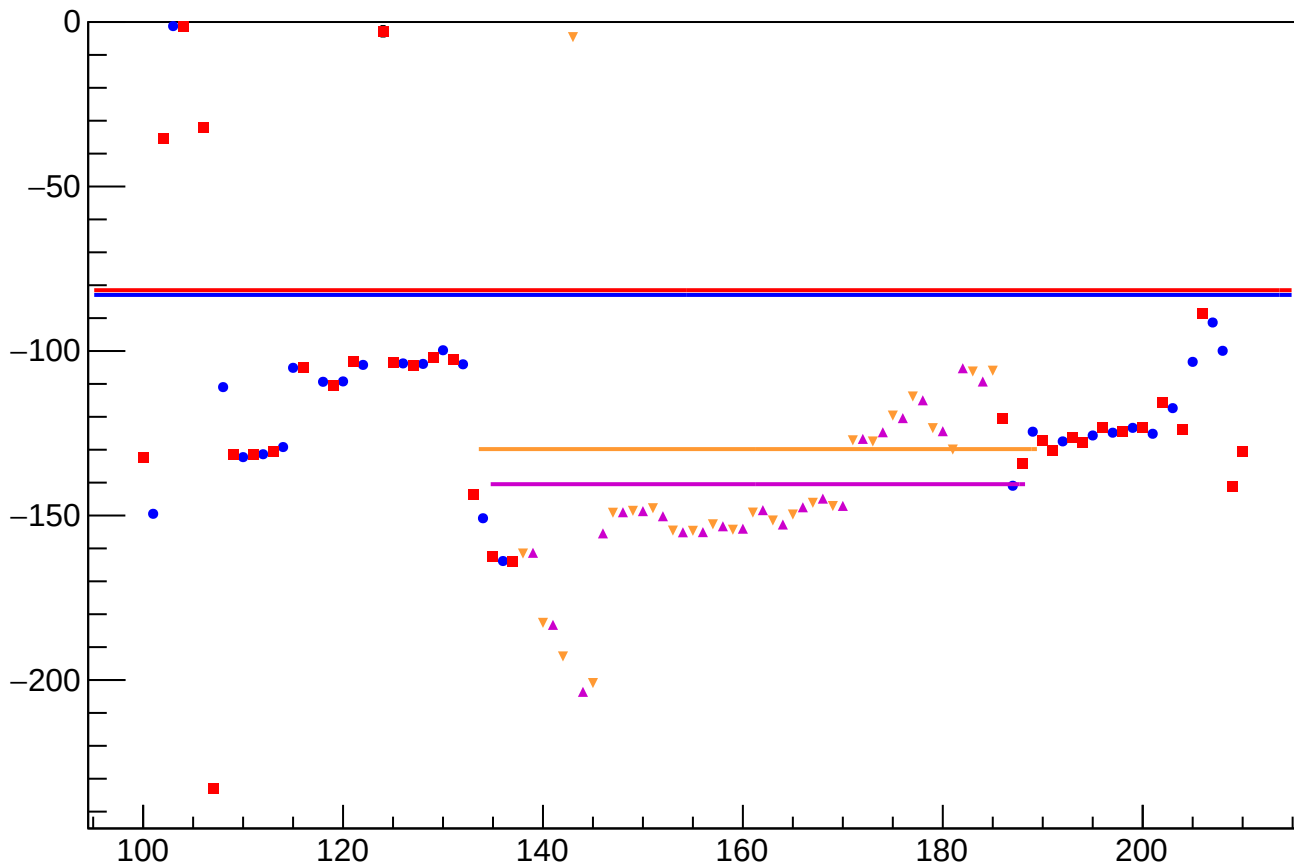
Left In: 61.850 $\pm$ 0.961 χ^2/NDF : 320.7/22

+ sign 44.500 $\pm$ 0.704 χ^2/NDF : 1567.7/51

All: 44.199 $\pm$ 0.500 χ^2/NDF : 2922.6/107

- sign 43.892 $\pm$ 0.710 χ^2/NDF : 1354.5/55

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -82.947 ± 0.051 χ^2/NDF : 1300576.1/26

Left Out: -129.810 ± 0.042 χ^2/NDF : 1025155.0/24

Right Out: -81.513 ± 0.049 χ^2/NDF : 1292954.3/32

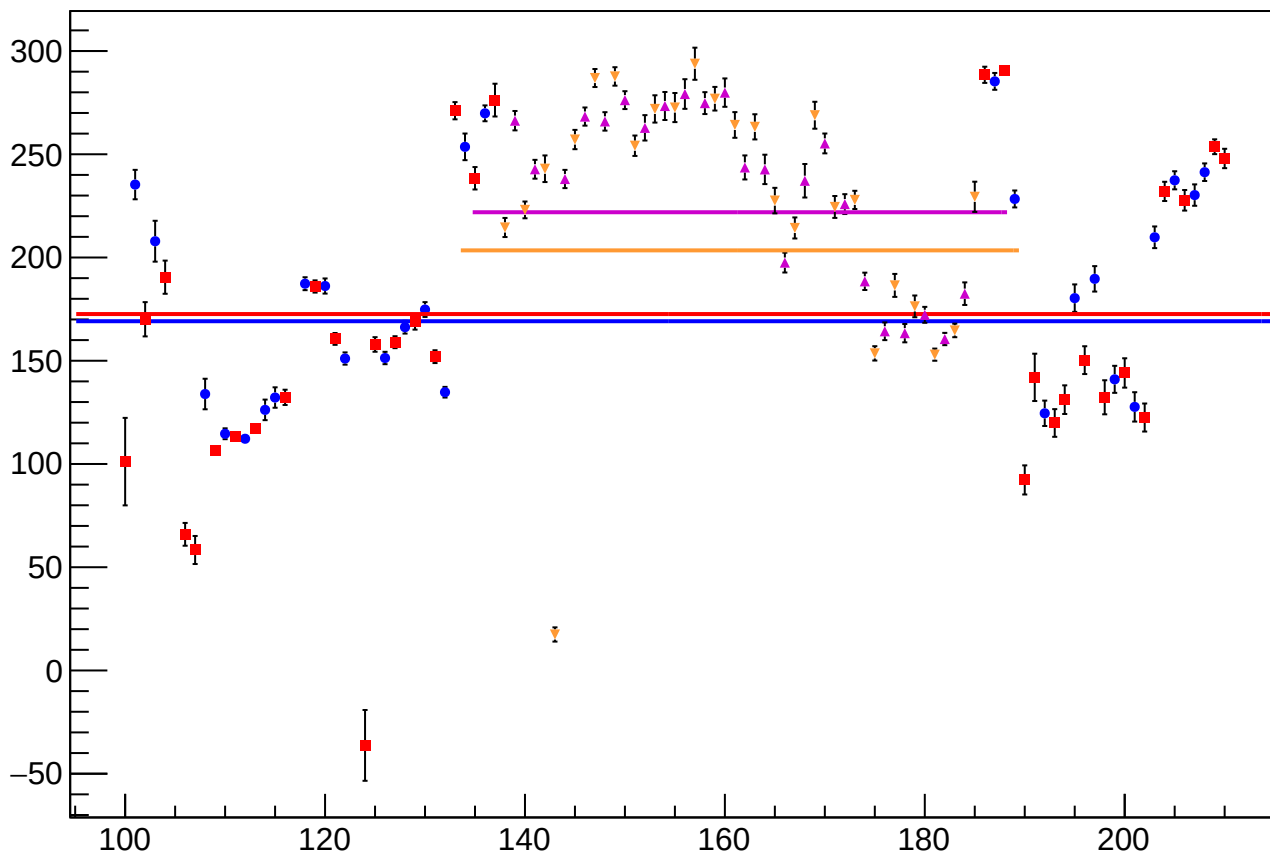
Left In: -140.477 ± 0.044 χ^2/NDF : 254660.0/22

+ sign -110.922 ± 0.033 χ^2/NDF : 2823608.6/51

All: -112.675 ± 0.023 χ^2/NDF : 5182314.0/10

- sign -114.434 ± 0.033 χ^2/NDF : 2352902.7/55

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 169.143 ± 0.758 $\chi^2/\text{NDF}: 4448.1/26$

Left Out: 203.453 ± 0.953 $\chi^2/\text{NDF}: 5491.5/24$

Right Out: 172.614 ± 0.690 $\chi^2/\text{NDF}: 9259.5/32$

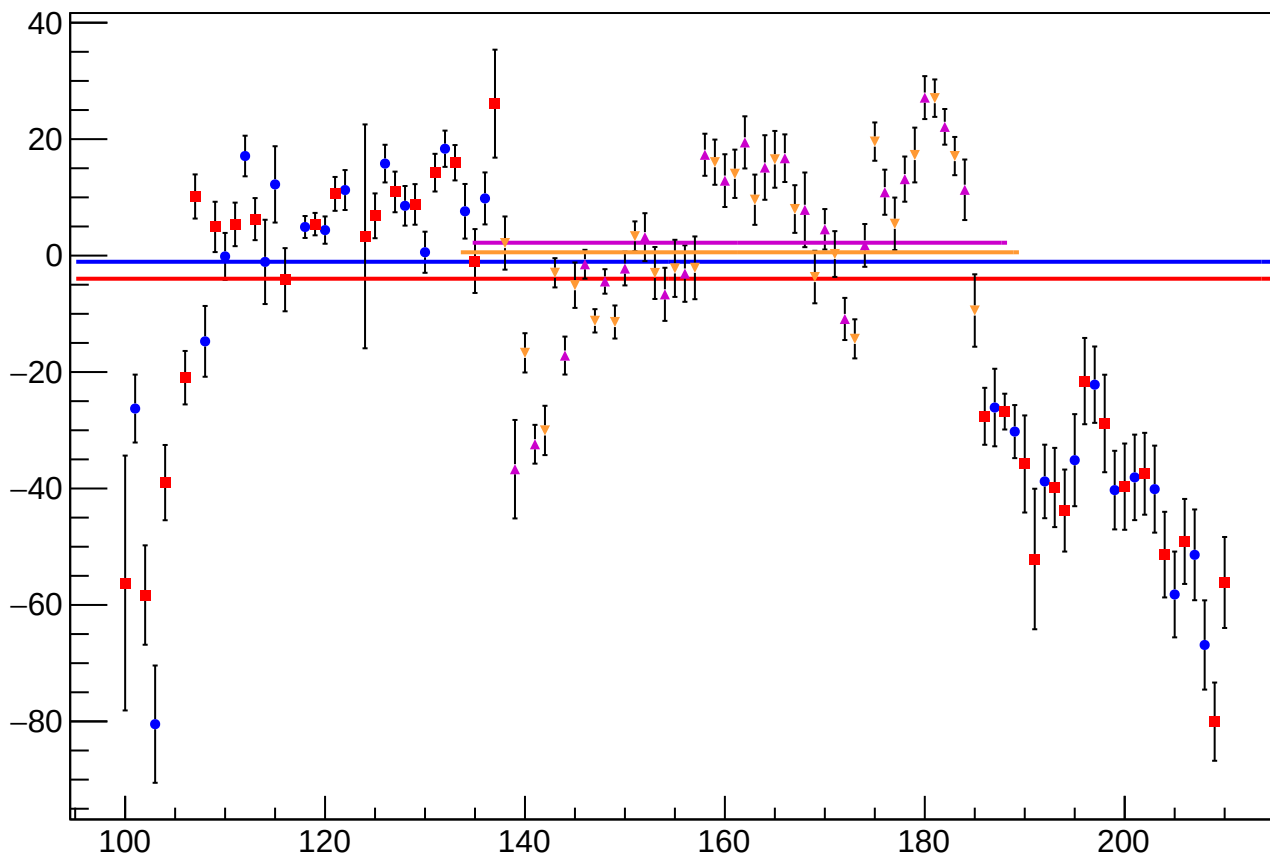
Left In: 221.923 ± 1.003 $\chi^2/\text{NDF}: 1986.7/22$

+ sign 182.427 ± 0.593 $\chi^2/\text{NDF}: 10734.0/51$

All: 185.572 ± 0.410 $\chi^2/\text{NDF}: 23674.5/107$

- sign 188.463 ± 0.569 $\chi^2/\text{NDF}: 12886.5/55$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: -1.059 ± 0.814 χ^2/NDF : 611.0/26

Left Out: 0.568 ± 0.716 χ^2/NDF : 345.4/24

Right Out: -3.972 ± 0.785 χ^2/NDF : 777.3/32

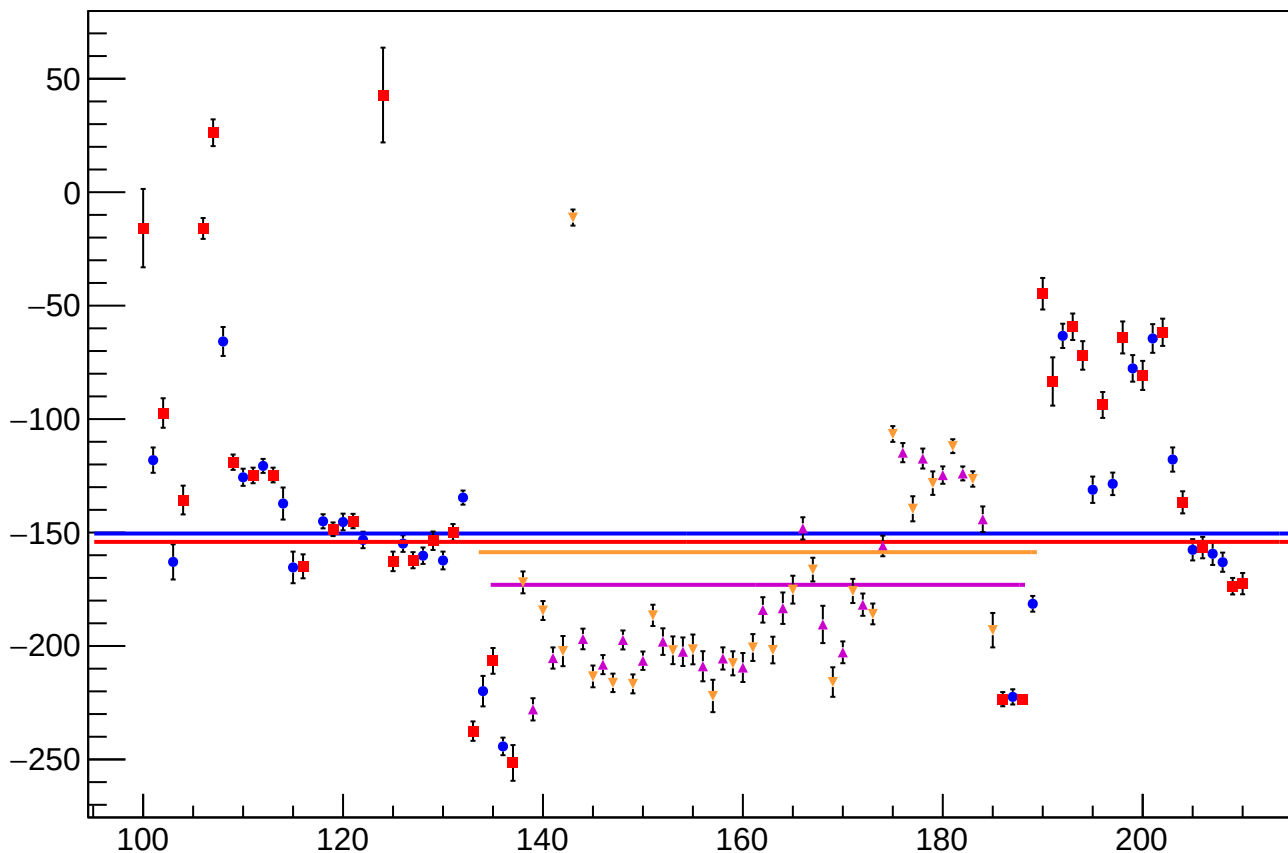
Left In: 2.210 ± 0.760 χ^2/NDF : 358.2/22

+ sign -0.141 ± 0.538 χ^2/NDF : 958.7/51

All: -0.456 ± 0.383 χ^2/NDF : 2126.8/107

- sign -0.781 ± 0.546 χ^2/NDF : 1167.5/55

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -150.432 ± 0.828 $\chi^2/\text{NDF}: 2328.6/26$

Left Out: -158.658 ± 0.951 $\chi^2/\text{NDF}: 3491.8/24$

Right Out: -154.119 ± 0.739 $\chi^2/\text{NDF}: 6462.1/32$

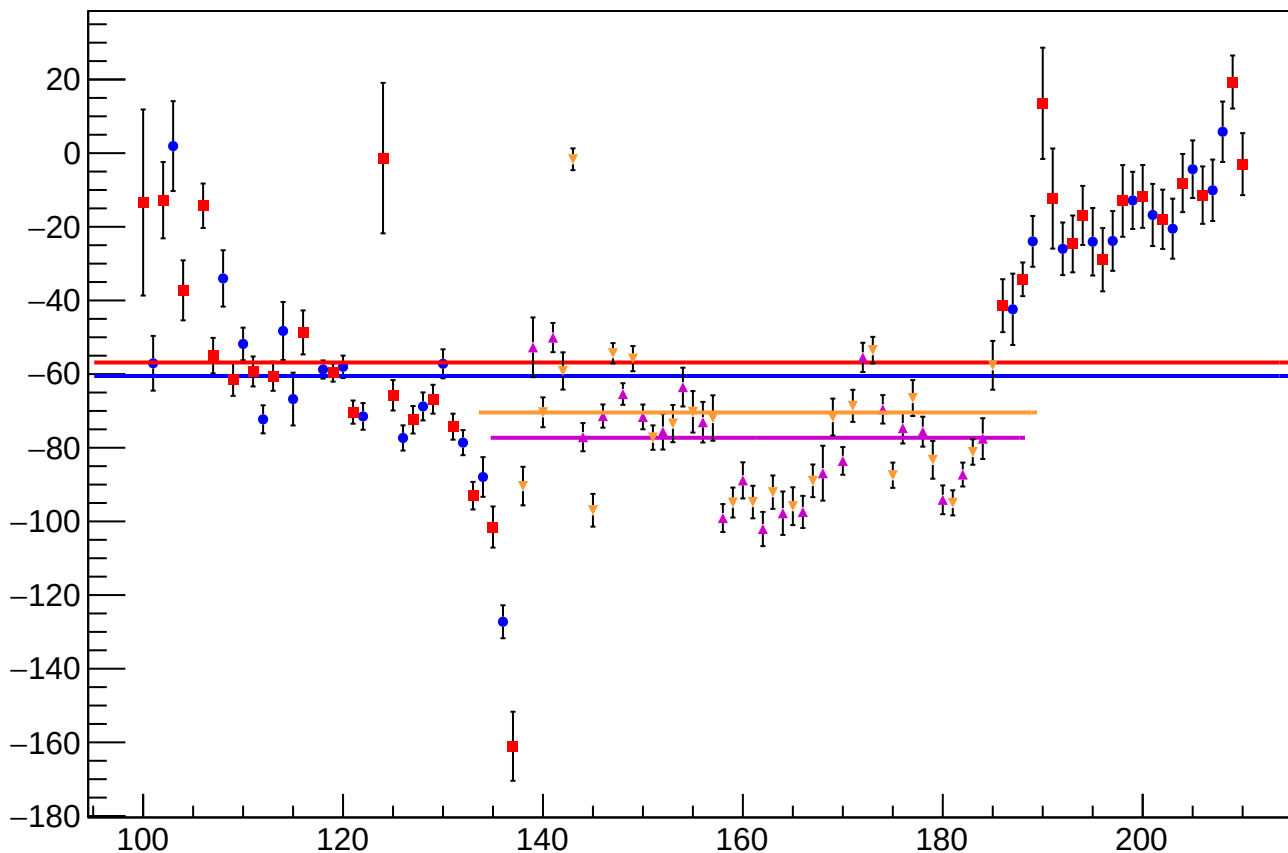
Left In: -173.043 ± 0.996 $\chi^2/\text{NDF}: 1399.9/22$

+ sign -153.979 ± 0.624 $\chi^2/\text{NDF}: 5862.9/51$

All: -157.583 ± 0.430 $\chi^2/\text{NDF}: 14021.4/107$

- sign -160.837 ± 0.593 $\chi^2/\text{NDF}: 8095.1/55$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -60.515 ± 0.951 χ^2/NDF : 705.2/26

Left Out: -70.427 ± 0.821 χ^2/NDF : 901.6/24

Right Out: -56.843 ± 0.920 χ^2/NDF : 852.3/32

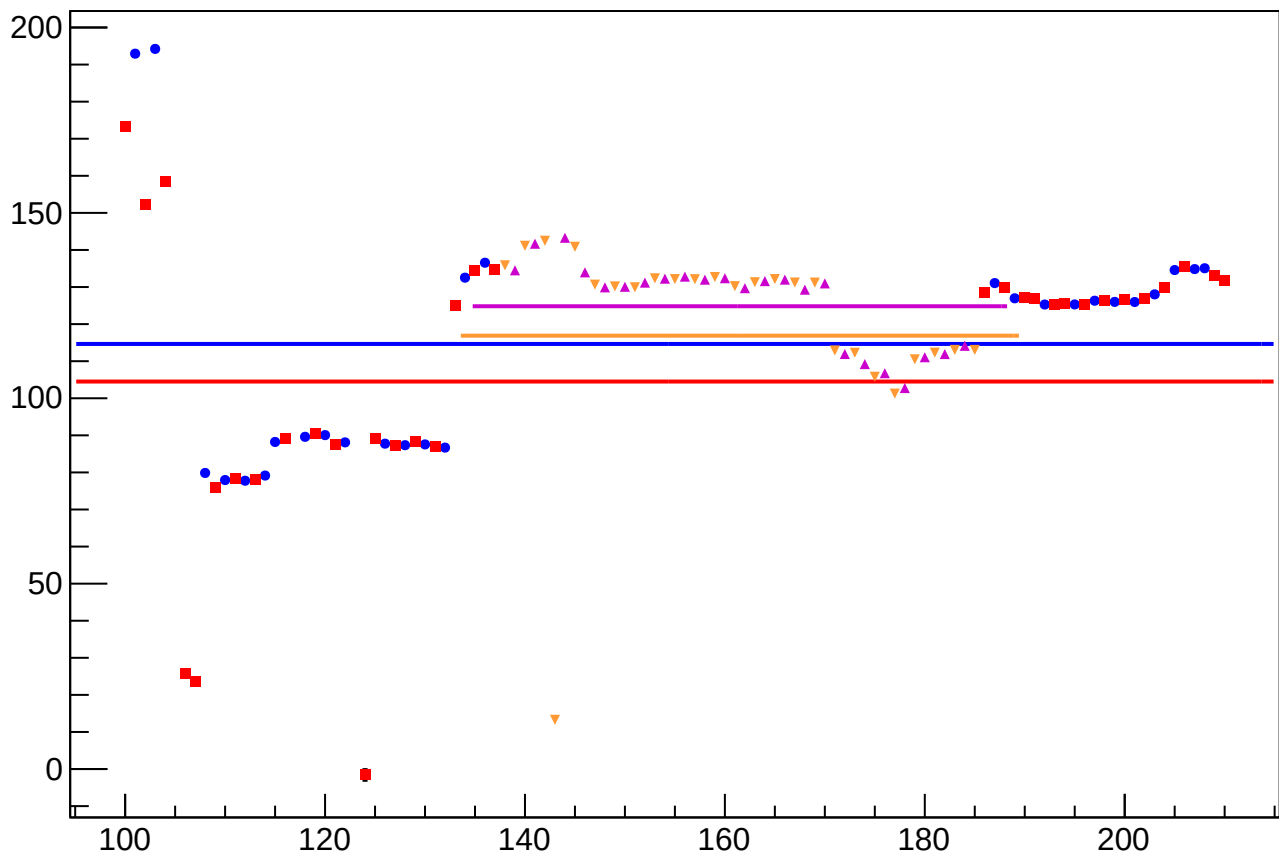
Left In: -77.288 ± 0.866 χ^2/NDF : 254.3/22

+ sign -66.191 ± 0.622 χ^2/NDF : 1669.1/51

All: -66.926 ± 0.443 χ^2/NDF : 3040.5/107

- sign -67.682 ± 0.630 χ^2/NDF : 1368.6/55

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 114.651 $\pm$ 0.055 χ^2/NDF : 281331.2/26

Left Out: 116.881 $\pm$ 0.038 χ^2/NDF : 623110.0/24

Right Out: 104.511 $\pm$ 0.050 χ^2/NDF : 533588.9/32

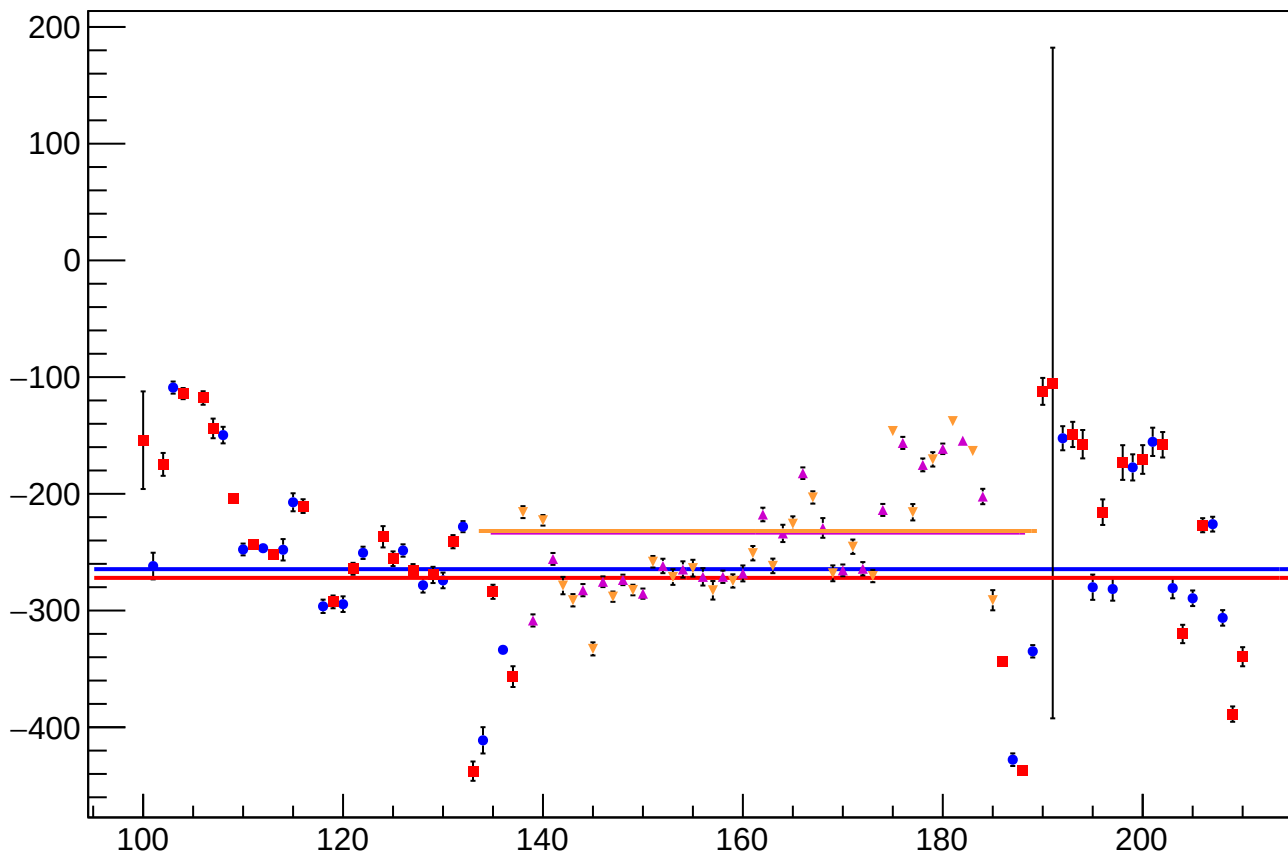
Left In: 124.819 $\pm$ 0.039 χ^2/NDF : 88116.2/22

+ sign 116.152 $\pm$ 0.031 χ^2/NDF : 905561.2/51

All: 116.617 $\pm$ 0.022 χ^2/NDF : 1629415.6/107

- sign 117.072 $\pm$ 0.031 χ^2/NDF : 723416.6/55

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -264.536 ± 1.214 χ^2/NDF : 3270.5/26

Left Out: -231.847 ± 1.080 χ^2/NDF : 2676.6/24

Right Out: -272.021 ± 1.068 χ^2/NDF : 7907.8/32

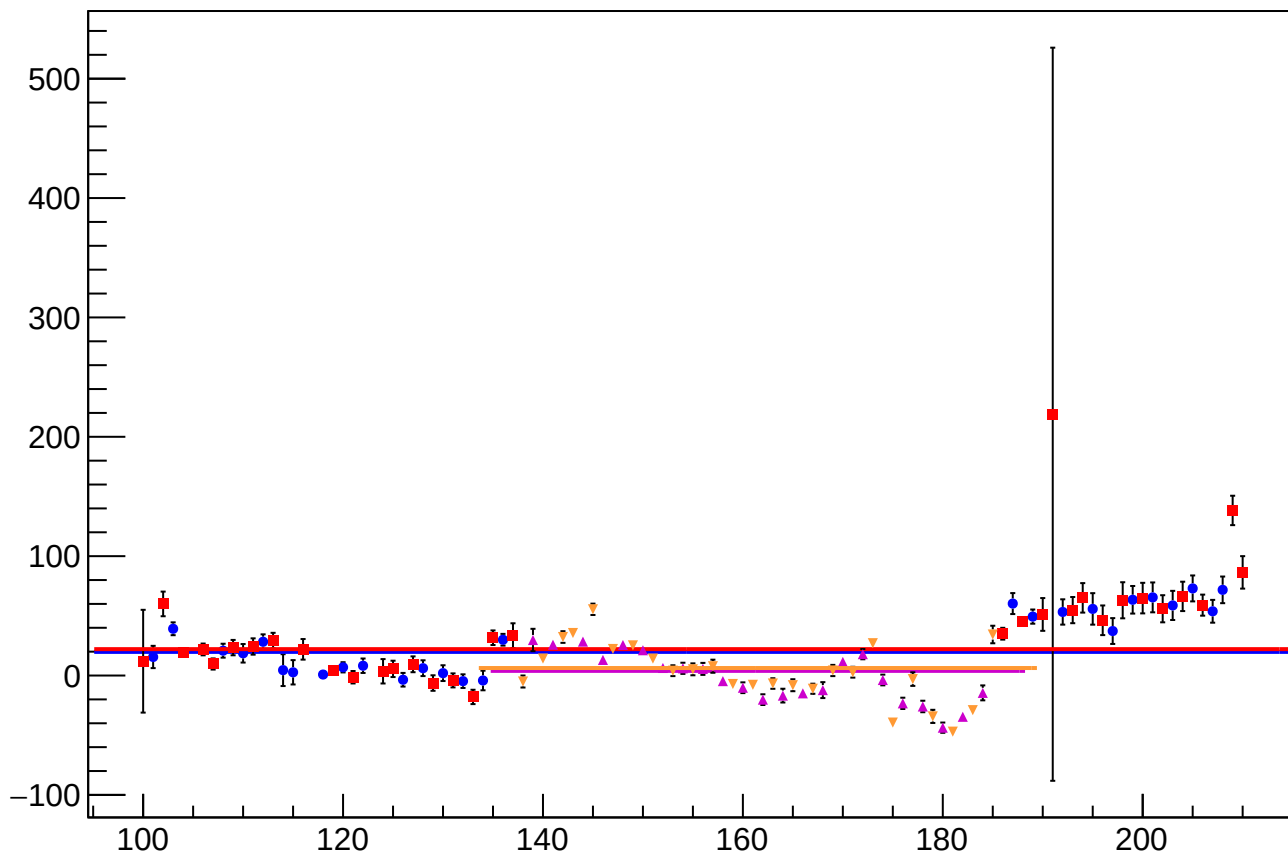
Left In: -233.258 ± 1.108 χ^2/NDF : 2067.0/22

+ sign -246.291 ± 0.807 χ^2/NDF : 6351.8/51

All: -249.984 ± 0.557 χ^2/NDF : 17001.0/107

- sign -253.337 ± 0.769 χ^2/NDF : 10609.2/55

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 19.808 $\pm$ 1.319 χ^2 /NDF: 283.7/26

Left Out: 6.288 $\pm$ 0.789 χ^2 /NDF: 871.5/24

Right Out: 22.109 $\pm$ 1.183 χ^2 /NDF: 407.8/32

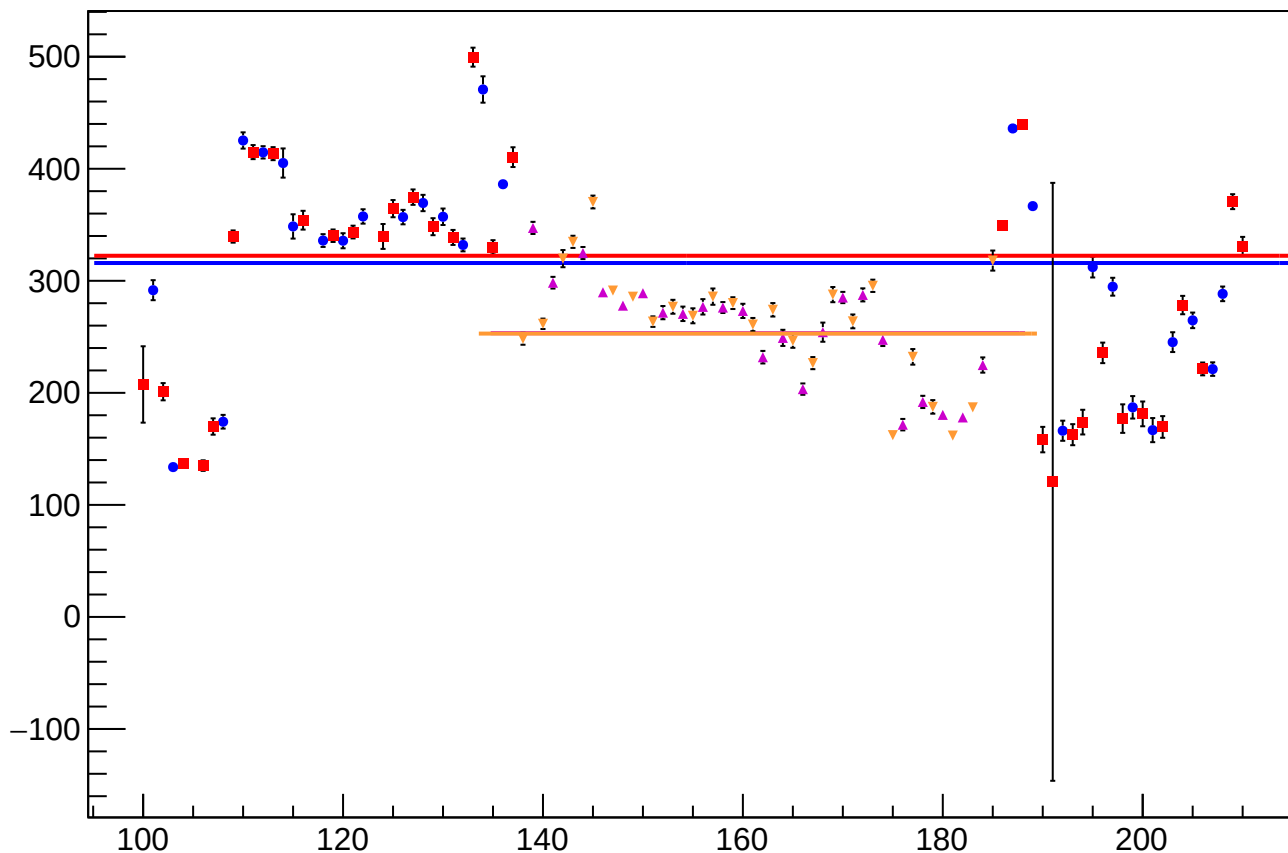
Left In: 3.906 $\pm$ 0.818 χ^2 /NDF: 650.3/22

+ sign 9.852 $\pm$ 0.677 χ^2 /NDF: 1232.5/51

All: 9.824 $\pm$ 0.477 χ^2 /NDF: 2450.8/107

- sign 9.796 $\pm$ 0.673 χ^2 /NDF: 1218.3/55

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 315.879 $\pm$ 1.248 χ^2 /NDF: 5682.7/26

Left Out: 252.886 $\pm$ 1.070 χ^2 /NDF:2579.0/24

Right Out: 322.354 $\pm$ 1.063 χ^2 /NDF: 10146.6/32

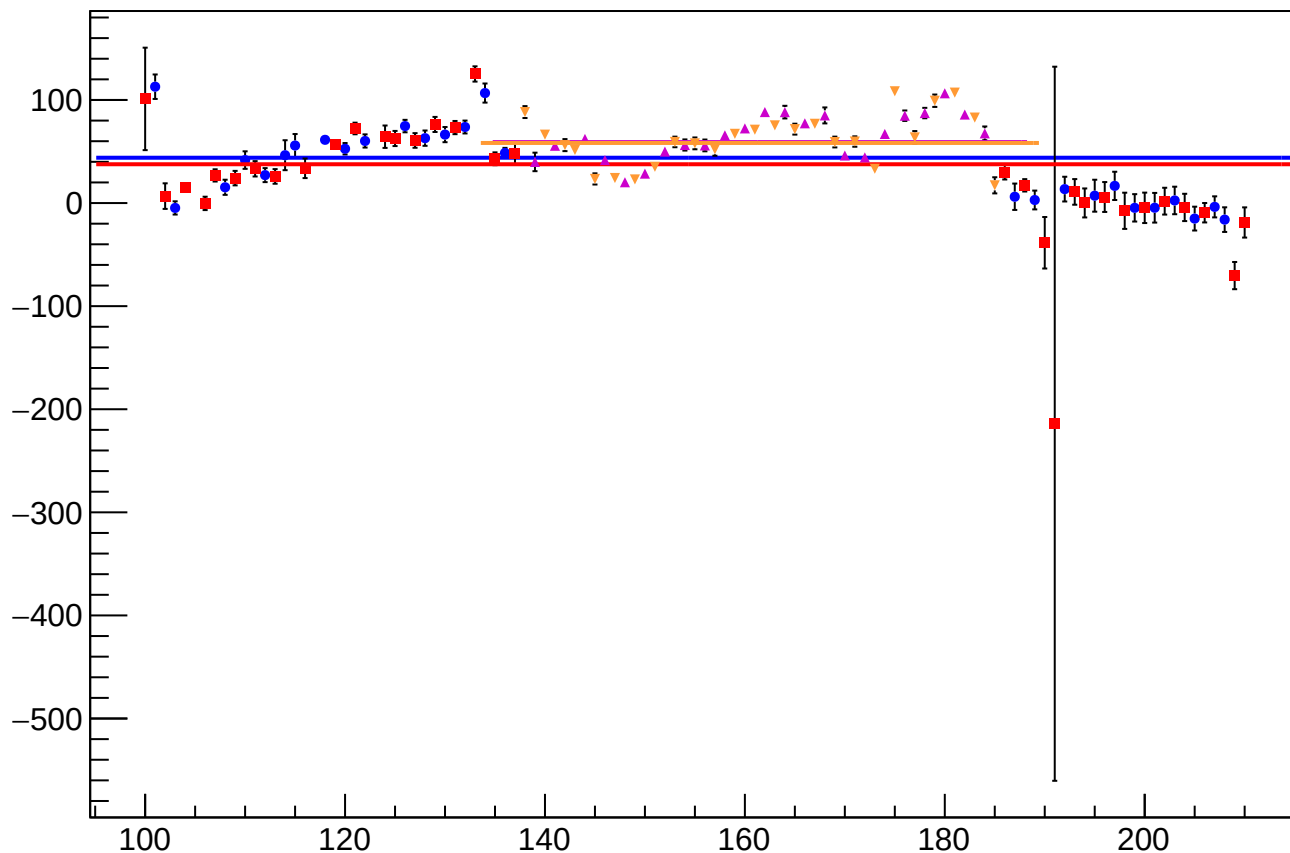
Left In: 253.248 $\pm$ 1.093 χ^2 /NDF:2059.7/22

+ sign 279.575 $\pm$ 0.813 χ^2 /NDF: 9728.9/51

All: 284.468 $\pm$ 0.556 χ^2 /NDF: 24056.8/107

- sign 288.773 $\pm$ 0.762 χ^2 /NDF: 14259.8/55

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 43.977 ± 1.541 $\chi^2/\text{NDF}: 401.2/26$

Left Out: 58.306 ± 0.911 $\chi^2/\text{NDF}: 850.2/24$

Right Out: 37.646 ± 1.415 $\chi^2/\text{NDF}: 535.9/32$

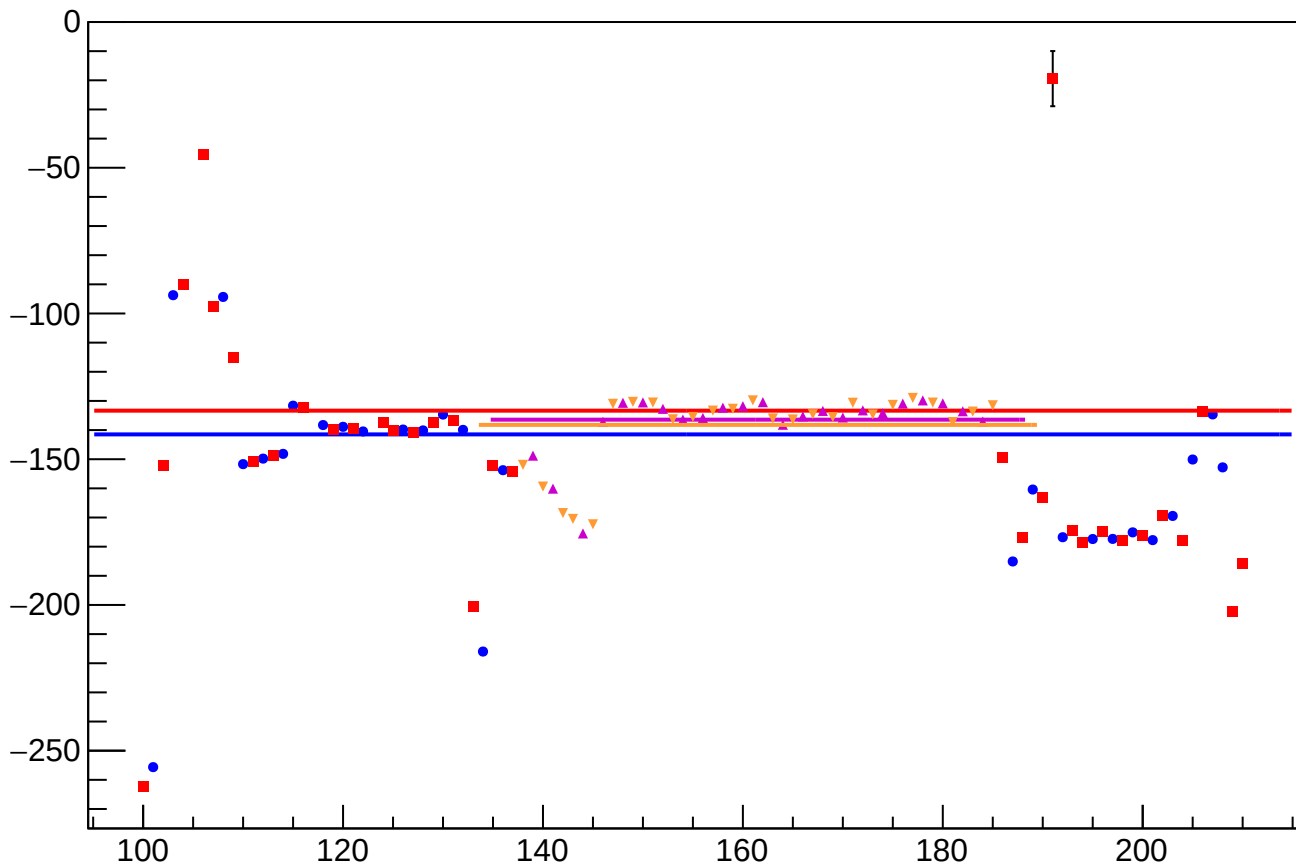
Left In: 59.151 ± 0.938 $\chi^2/\text{NDF}: 632.4/22$

+ sign 54.591 ± 0.784 $\chi^2/\text{NDF}: 1315.5/51$

All: 53.583 ± 0.554 $\chi^2/\text{NDF}: 2647.6/107$

- sign 52.581 ± 0.782 $\chi^2/\text{NDF}: 1328.8/55$

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -141.483 ± 0.075 $\chi^2/\text{NDF}: 235362.6/26$

Left Out: -138.218 ± 0.042 $\chi^2/\text{NDF}: 81828.6/24$

Right Out: -133.337 ± 0.071 $\chi^2/\text{NDF}: 351965.9/32$

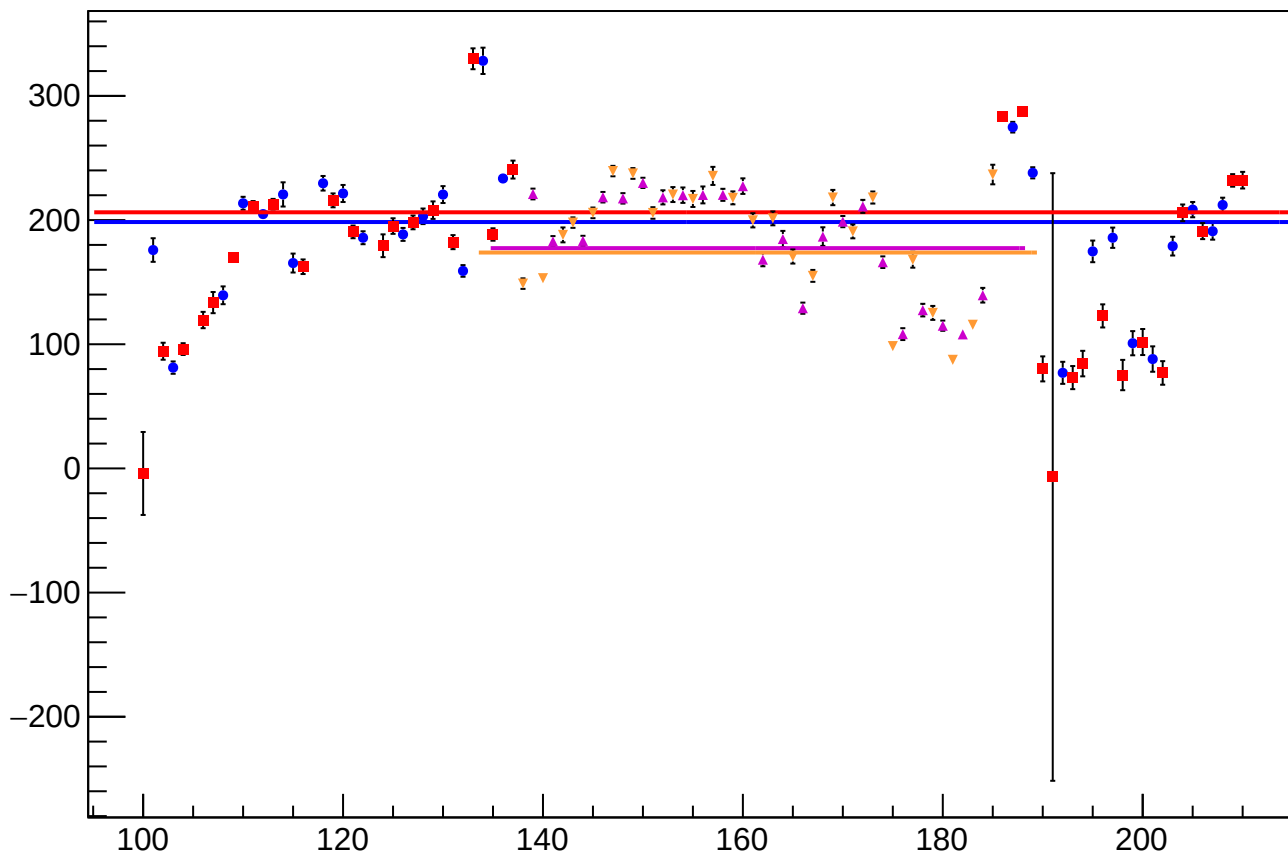
Left In: -136.429 ± 0.043 $\chi^2/\text{NDF}: 49792.9/22$

+ sign -139.005 ± 0.037 $\chi^2/\text{NDF}: 318614.4/51$

All: -137.282 ± 0.026 $\chi^2/\text{NDF}: 726059.1/107$

- sign -135.596 ± 0.037 $\chi^2/\text{NDF}: 403161.2/55$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 198.422 ± 1.143 χ^2/NDF : 1869.0/26

Left Out: 173.862 ± 0.962 χ^2/NDF : 2627.6/24

Right Out: 206.268 ± 0.995 χ^2/NDF : 4241.2/32

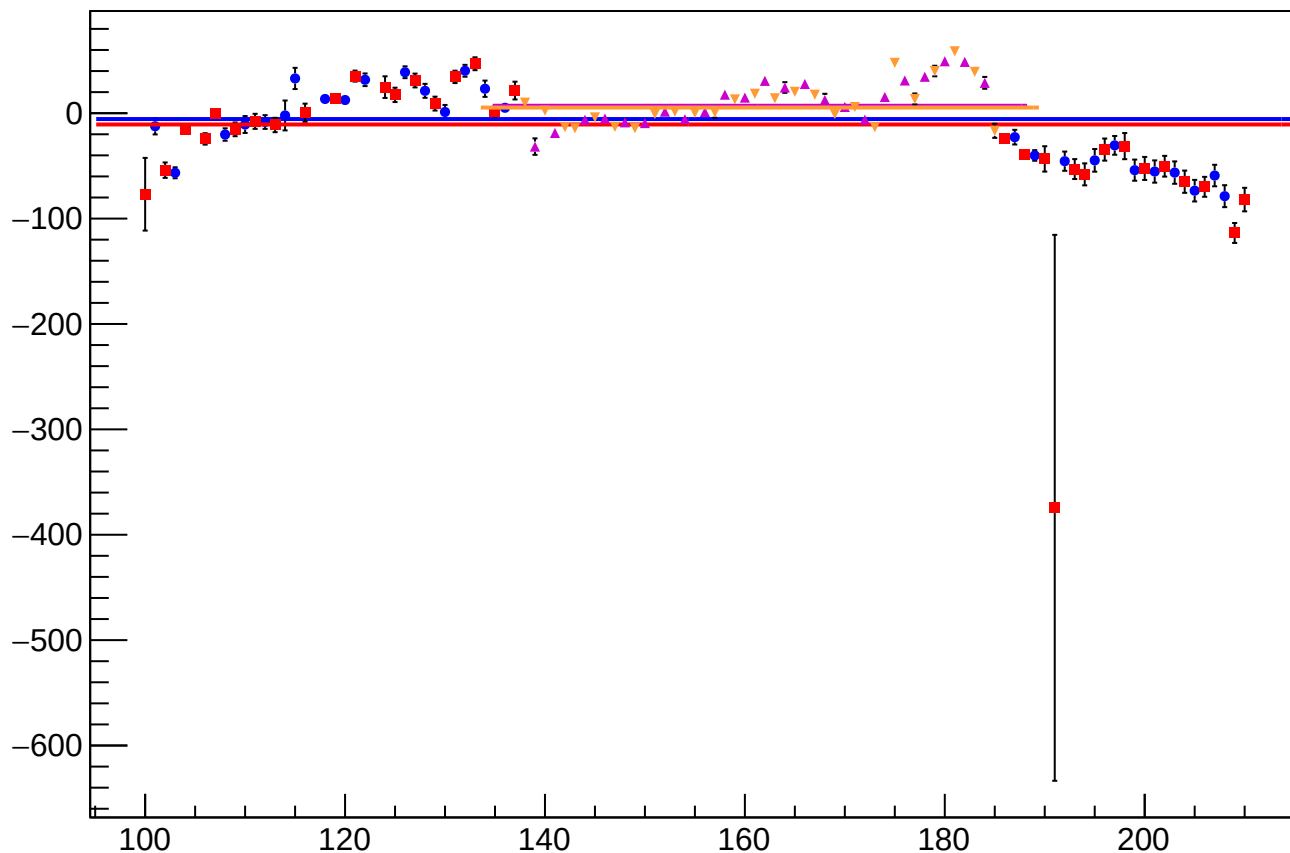
Left In: 177.403 ± 0.996 χ^2/NDF : 1963.0/22

+ sign 184.043 ± 0.736 χ^2/NDF : 4766.7/51

All: 188.123 ± 0.509 χ^2/NDF : 11450.5/107

- sign 191.851 ± 0.704 χ^2/NDF : 6625.0/55

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -5.551 ± 1.260 χ^2/NDF : 651.8/26

Left Out: 5.363 ± 0.710 χ^2/NDF : 810.0/24

Right Out: -10.697 ± 1.124 χ^2/NDF : 824.9/32

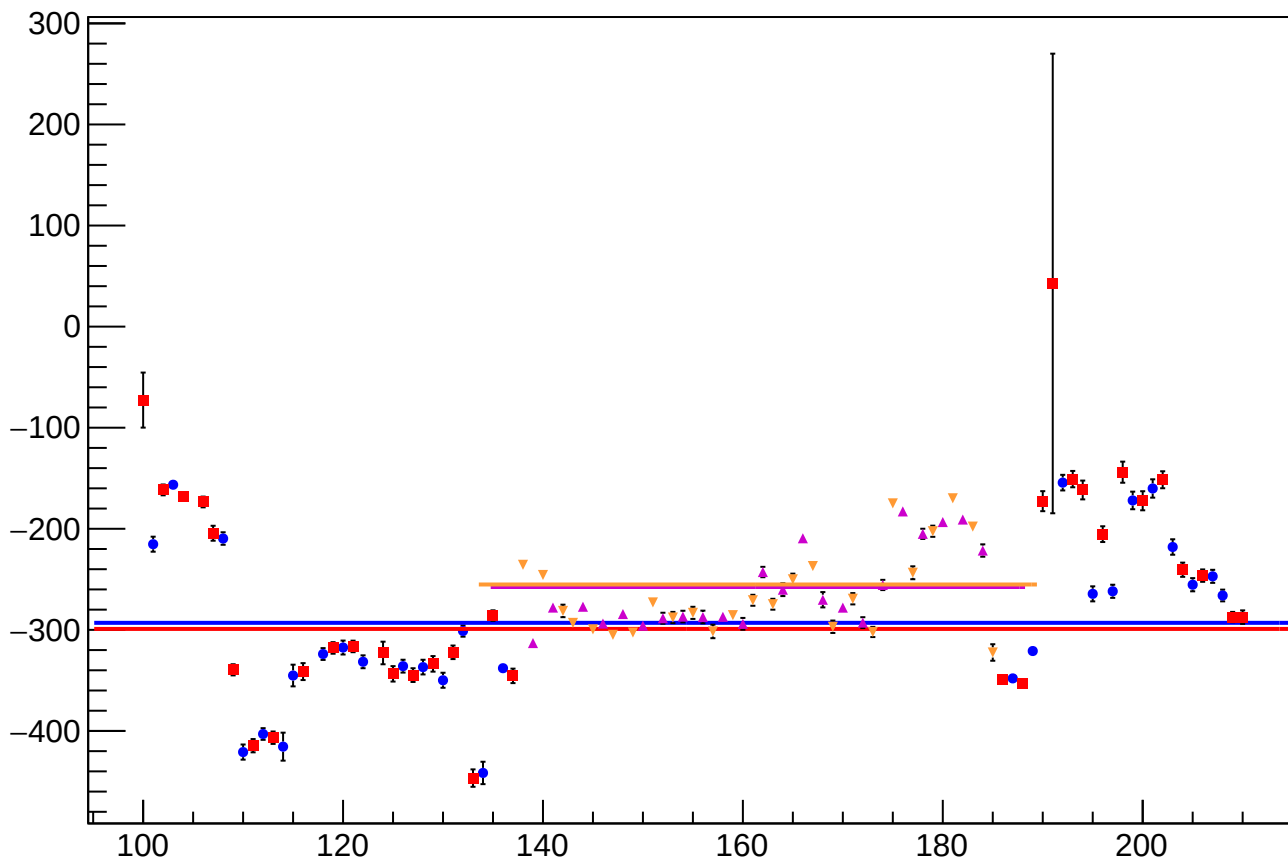
Left In: 7.061 ± 0.741 χ^2/NDF : 709.7/22

+ sign 2.731 ± 0.619 χ^2/NDF : 1518.7/51

All: 2.203 ± 0.438 χ^2/NDF : 3228.7/107

- sign 1.675 ± 0.619 χ^2/NDF : 1708.5/55

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -293.049 ± 1.148 χ^2/NDF : 4101.4/26

Left Out: -255.122 ± 0.956 χ^2/NDF : 2344.8/24

Right Out: -299.069 ± 0.963 χ^2/NDF : 6711.5/32

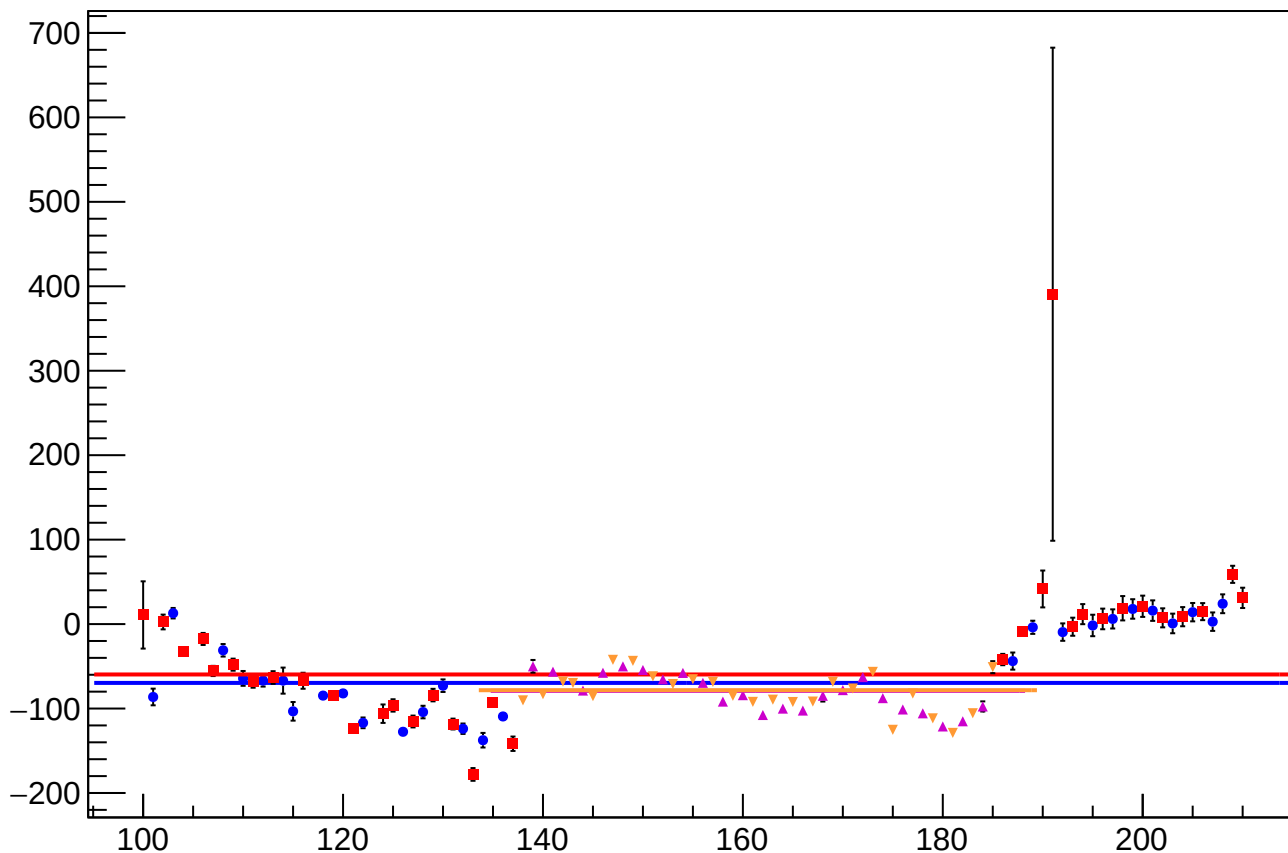
Left In: -257.600 ± 0.985 χ^2/NDF : 1808.1/22

+ sign -270.652 ± 0.735 χ^2/NDF : 7090.3/51

All: -274.993 ± 0.502 χ^2/NDF : 16581.9/107

- sign -278.802 ± 0.688 χ^2/NDF : 9426.1/55

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -69.650 ± 1.472 χ^2/NDF : 1139.9/26

Left Out: -78.292 ± 0.819 χ^2/NDF : 868.2/24

Right Out: -59.656 ± 1.349 χ^2/NDF : 1488.6/32

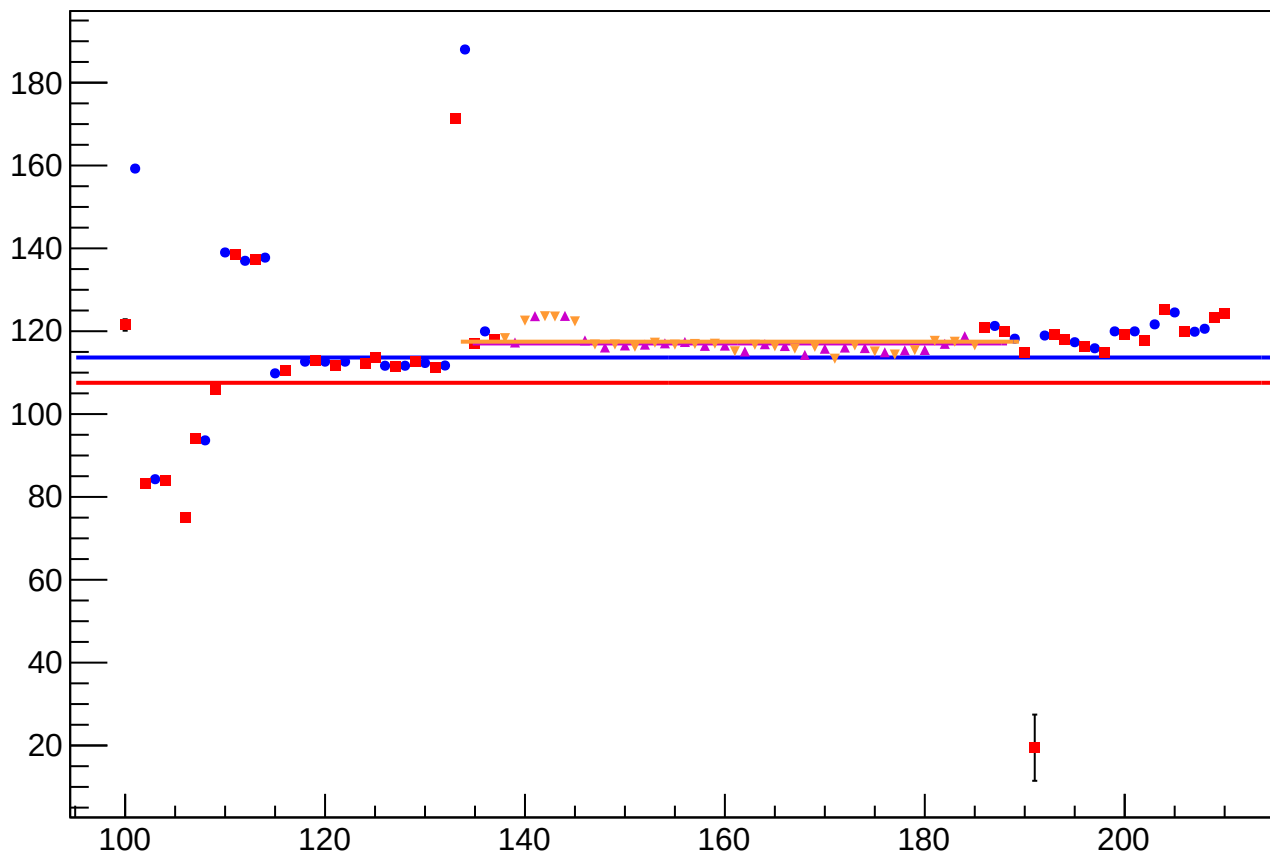
Left In: -79.066 ± 0.849 χ^2/NDF : 702.6/22

+ sign -76.251 ± 0.716 χ^2/NDF : 2034.4/51

All: -74.912 ± 0.507 χ^2/NDF : 4380.9/107

- sign -73.562 ± 0.718 χ^2/NDF : 2339.5/55

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 113.656 $\pm$ 0.070 χ^2 /NDF: 87403.0/26

Left Out: 117.477 $\pm$ 0.038 χ^2 /NDF: 4739.3/24

Right Out: 107.549 $\pm$ 0.065 χ^2 /NDF: 81141.5/32

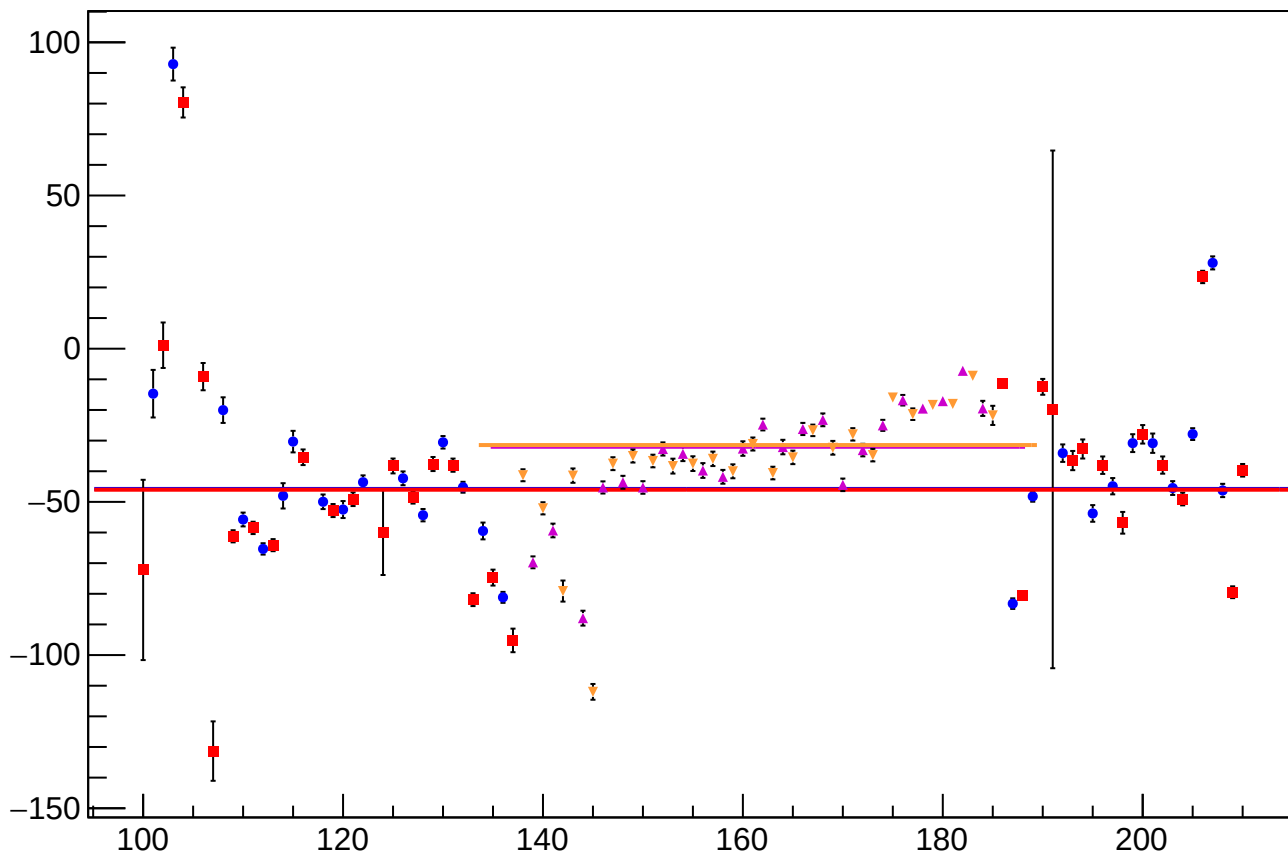
Left In: 117.046 $\pm$ 0.039 χ^2 /NDF: 3343.0/22

+ sign 116.603 $\pm$ 0.033 χ^2 /NDF: 94455.1/51

All: 115.572 $\pm$ 0.024 χ^2 /NDF: 196700.0/107

- sign 114.556 $\pm$ 0.033 χ^2 /NDF: 100352.2/55

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -45.777 ± 0.453 $\chi^2/\text{NDF}: 3204.5/26$

Left Out: -31.452 ± 0.399 $\chi^2/\text{NDF}: 1992.2/24$

Right Out: -46.030 ± 0.395 $\chi^2/\text{NDF}: 5706.0/32$

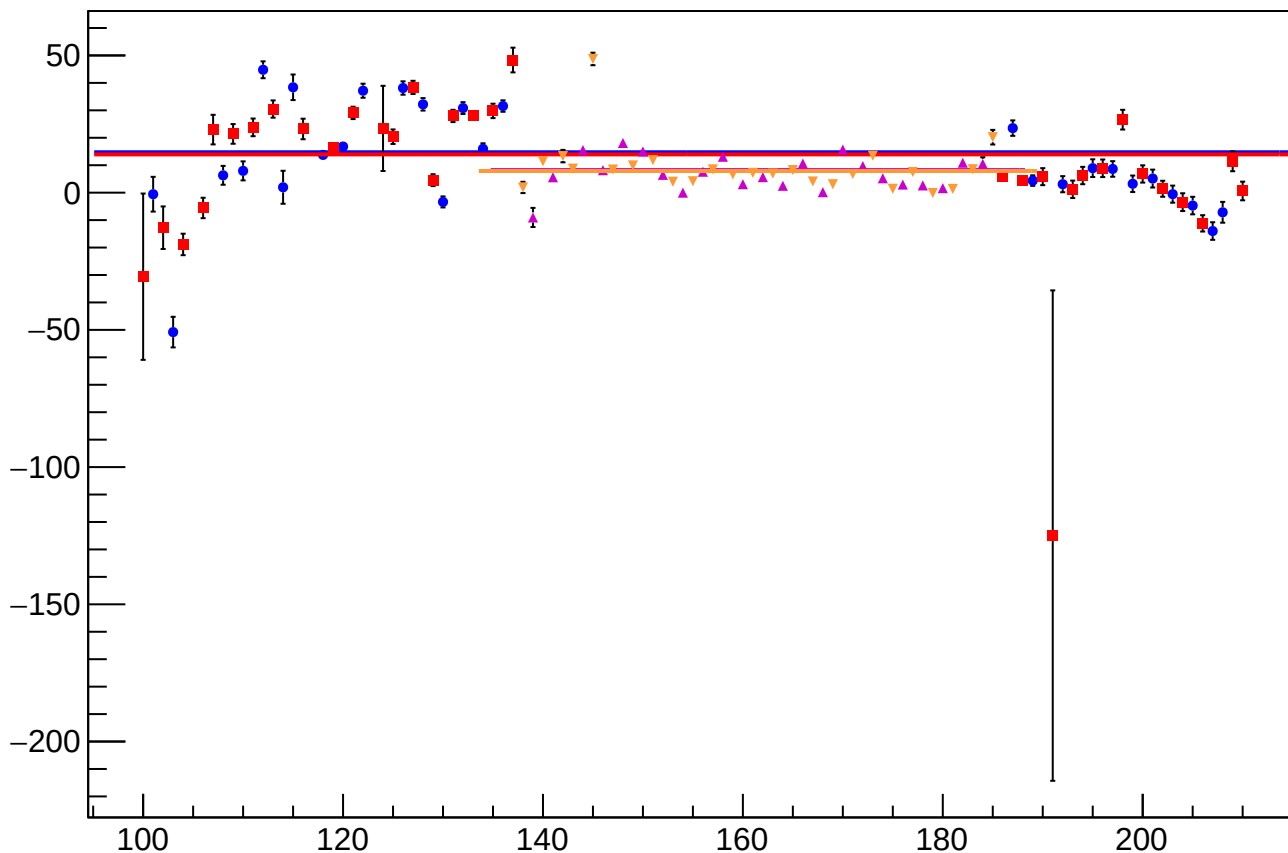
Left In: -32.015 ± 0.409 $\chi^2/\text{NDF}: 1913.4/22$

+ sign -37.708 ± 0.299 $\chi^2/\text{NDF}: 5759.9/51$

All: -38.528 ± 0.206 $\chi^2/\text{NDF}: 14000.8/107$

- sign -39.267 ± 0.284 $\chi^2/\text{NDF}: 8226.6/55$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.715 $\pm$ 0.502 χ^2 /NDF: 972.5/26

Left Out: 7.897 $\pm$ 0.304 χ^2 /NDF: 490.5/24

Right Out: 13.945 $\pm$ 0.458 χ^2 /NDF: 829.0/32

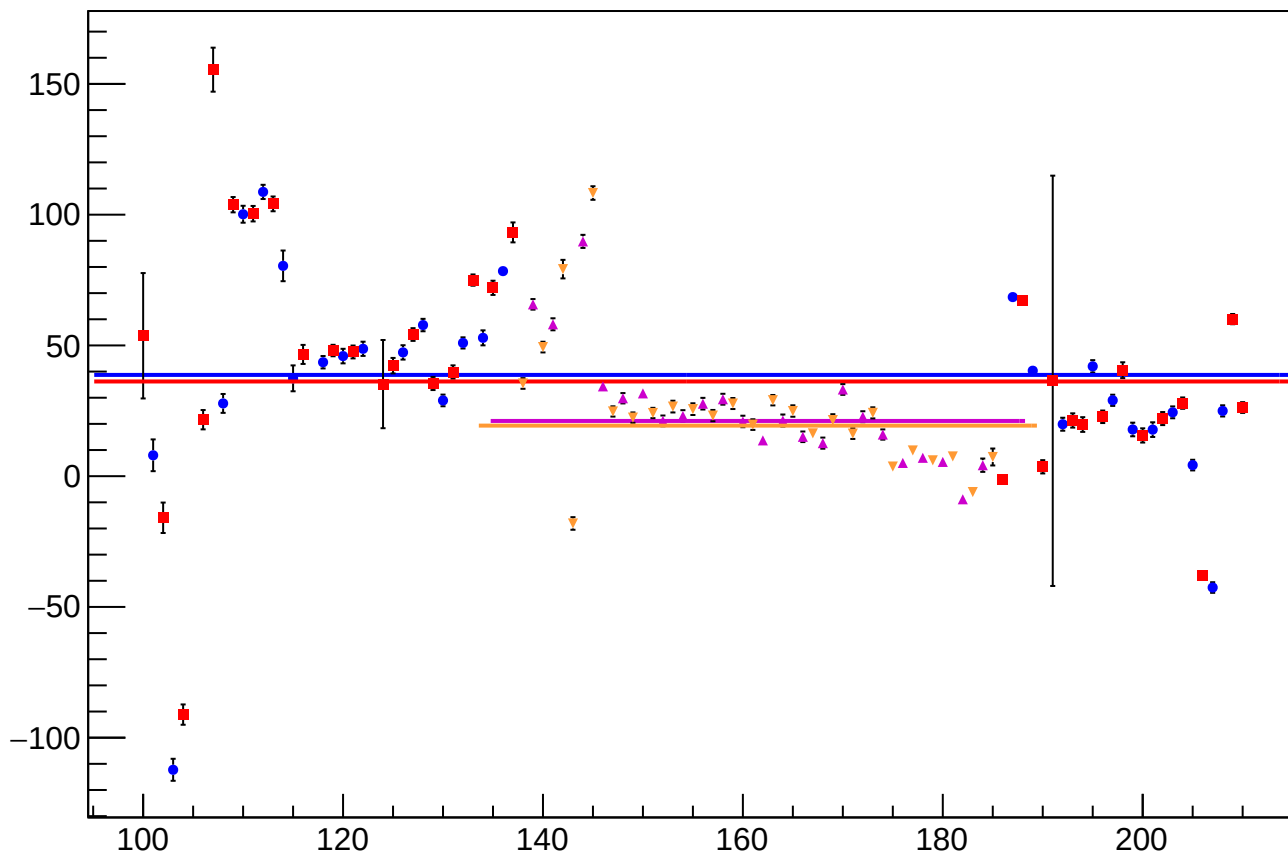
Left In: 8.223 $\pm$ 0.316 χ^2 /NDF: 338.8/22

+ sign 9.728 $\pm$ 0.260 χ^2 /NDF: 1598.3/51

All: 9.897 $\pm$ 0.184 χ^2 /NDF: 2872.8/107

- sign 10.065 $\pm$ 0.260 χ^2 /NDF: 1273.7/55

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 38.725 ± 0.459 χ^2/NDF : 5670.9/26

Left Out: 19.339 ± 0.396 χ^2/NDF : 2682.4/24

Right Out: 36.217 ± 0.380 χ^2/NDF : 9283.0/32

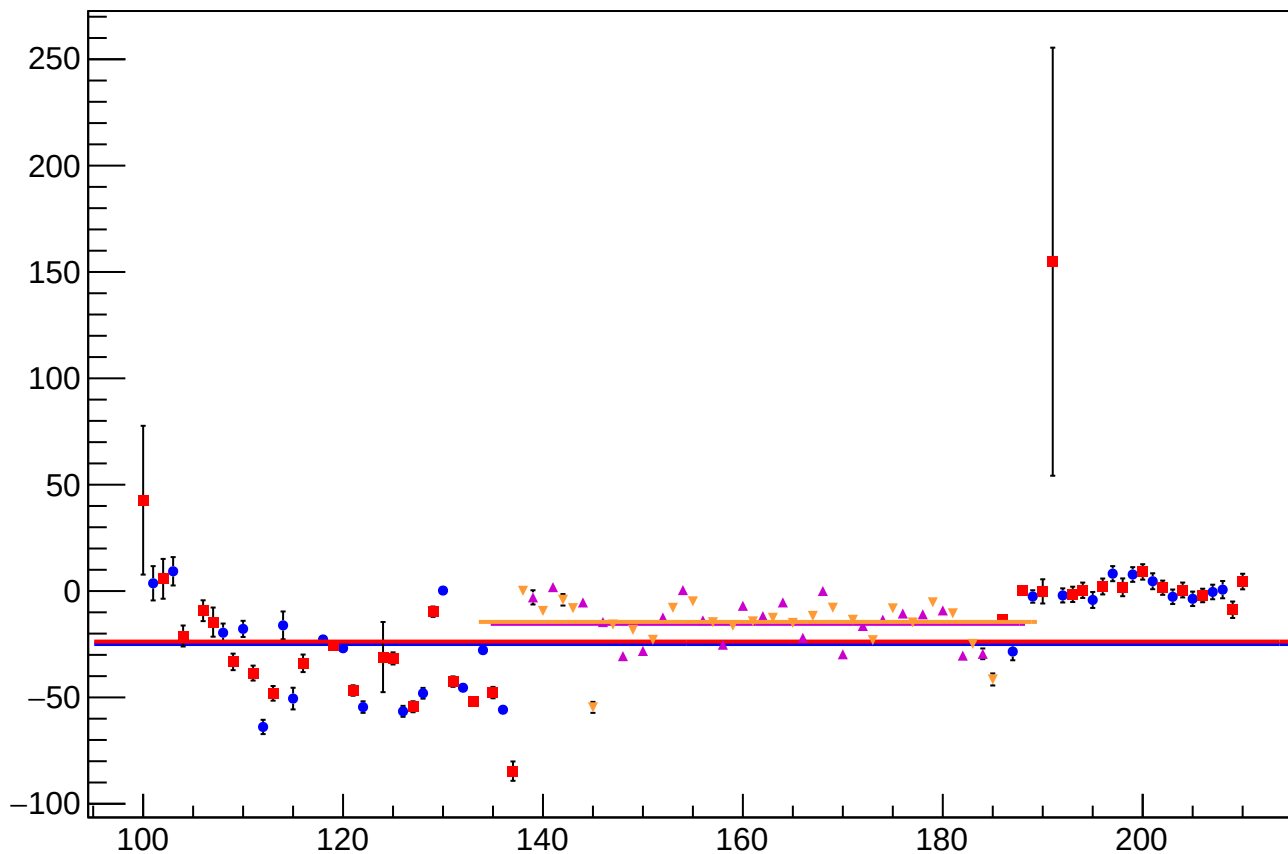
Left In: 21.124 ± 0.405 χ^2/NDF : 2504.8/22

+ sign 27.608 ± 0.300 χ^2/NDF : 9377.7/51

All: 28.441 ± 0.203 χ^2/NDF : 21919.4/107

- sign 29.152 ± 0.277 χ^2/NDF : 12527.4/55

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -24.904 ± 0.584 χ^2/NDF : 1533.5/26

Left Out: -14.502 ± 0.344 χ^2/NDF : 641.0/24

Right Out: -23.750 ± 0.552 χ^2/NDF : 1582.9/32

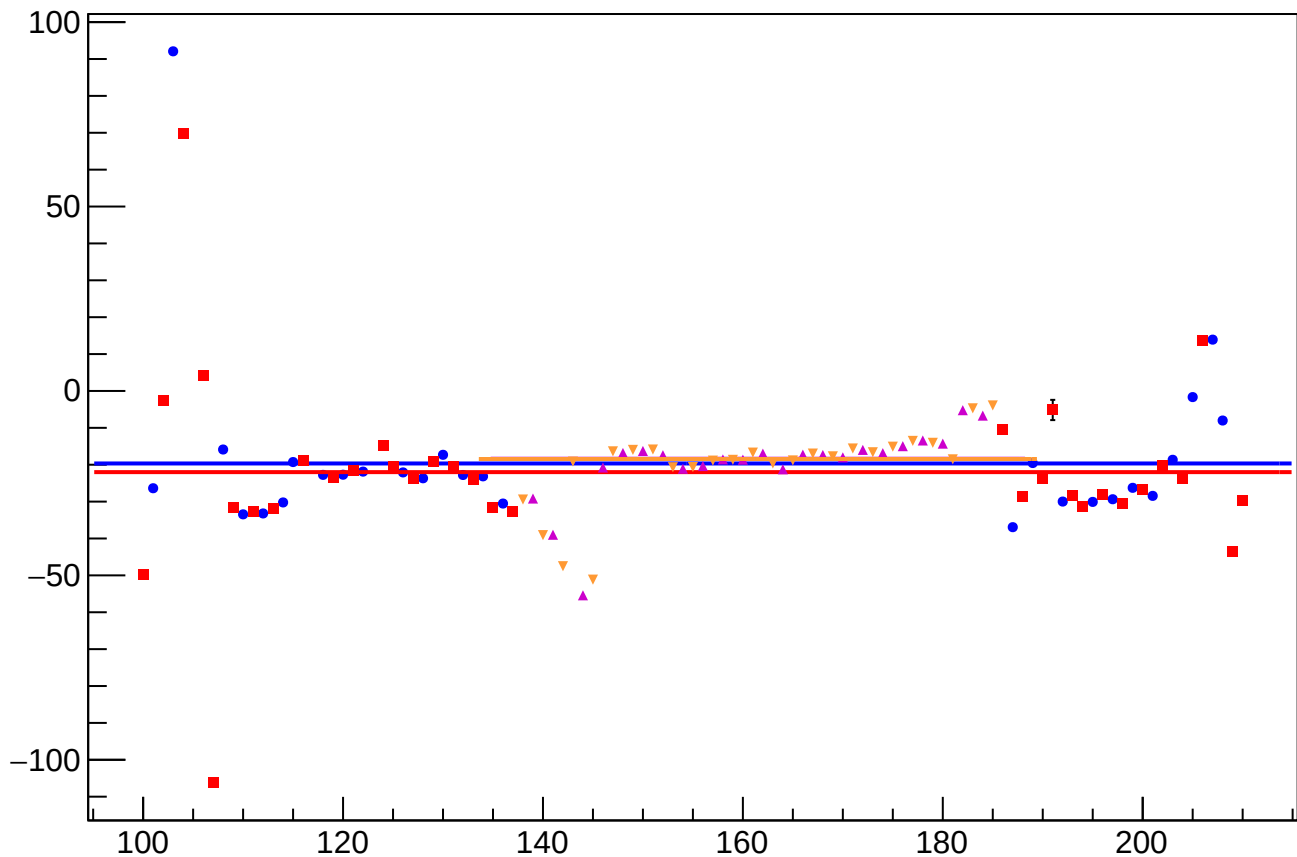
Left In: -15.417 ± 0.355 χ^2/NDF : 798.7/22

+ sign -17.181 ± 0.296 χ^2/NDF : 2410.0/51

All: -17.516 ± 0.210 χ^2/NDF : 4955.2/107

- sign -17.856 ± 0.299 χ^2/NDF : 2542.7/55

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -19.660 ± 0.028 $\chi^2/\text{NDF}: 554909.0/26$

Left Out: -18.450 ± 0.015 $\chi^2/\text{NDF}: 295359.2/24$

Right Out: -22.008 ± 0.027 $\chi^2/\text{NDF}: 483143.9/32$

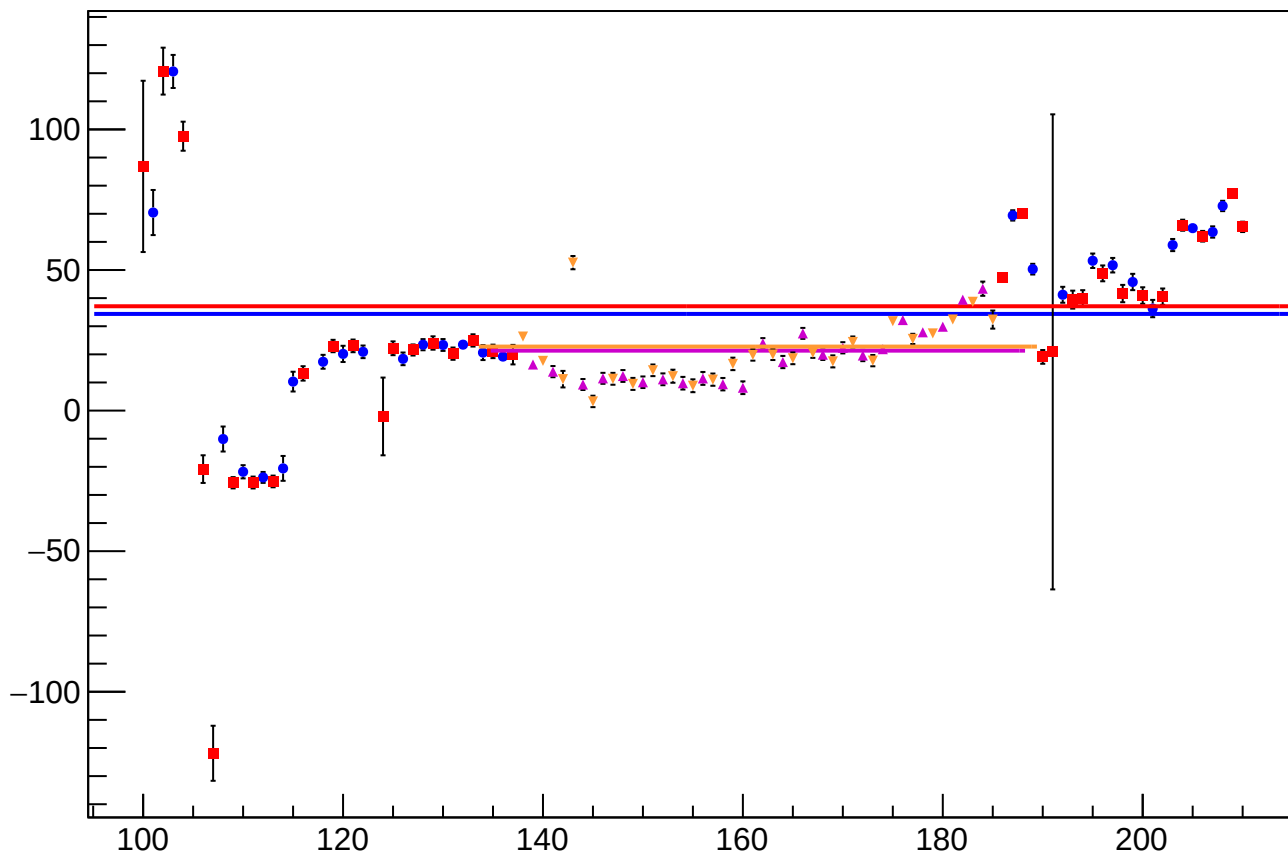
Left In: -18.378 ± 0.016 $\chi^2/\text{NDF}: 250040.9/22$

+ sign -18.728 ± 0.014 $\chi^2/\text{NDF}: 851673.5/51$

All: -19.004 ± 0.010 $\chi^2/\text{NDF}: 1598933.7/107$

- sign -19.283 ± 0.014 $\chi^2/\text{NDF}: 746428.1/55$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 34.381 ± 0.450 χ^2/NDF : 3982.1/26

Left Out: 22.766 ± 0.383 χ^2/NDF : 722.8/24

Right Out: 37.109 ± 0.402 χ^2/NDF : 6177.0/32

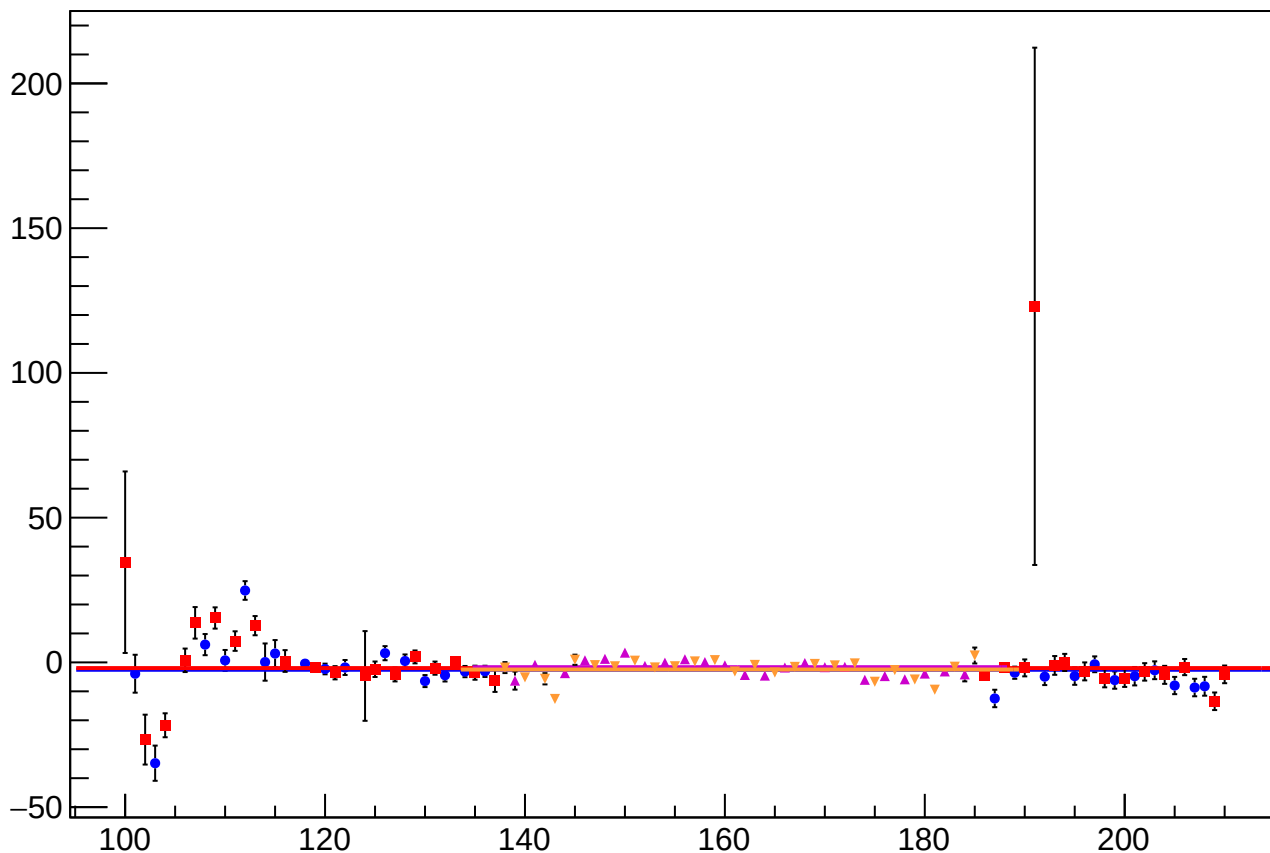
Left In: 21.325 ± 0.393 χ^2/NDF : 629.9/22

+ sign 27.639 ± 0.291 χ^2/NDF : 5091.5/51

All: 28.359 ± 0.202 χ^2/NDF : 12698.3/107

- sign 29.028 ± 0.281 χ^2/NDF : 7595.0/55

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.547 $\pm$ 0.504 χ^2 /NDF: 147.8/26

Left Out: -2.468 $\pm$ 0.293 χ^2 /NDF: 116.7/24

Right Out: -1.969 $\pm$ 0.471 χ^2 /NDF: 121.7/32

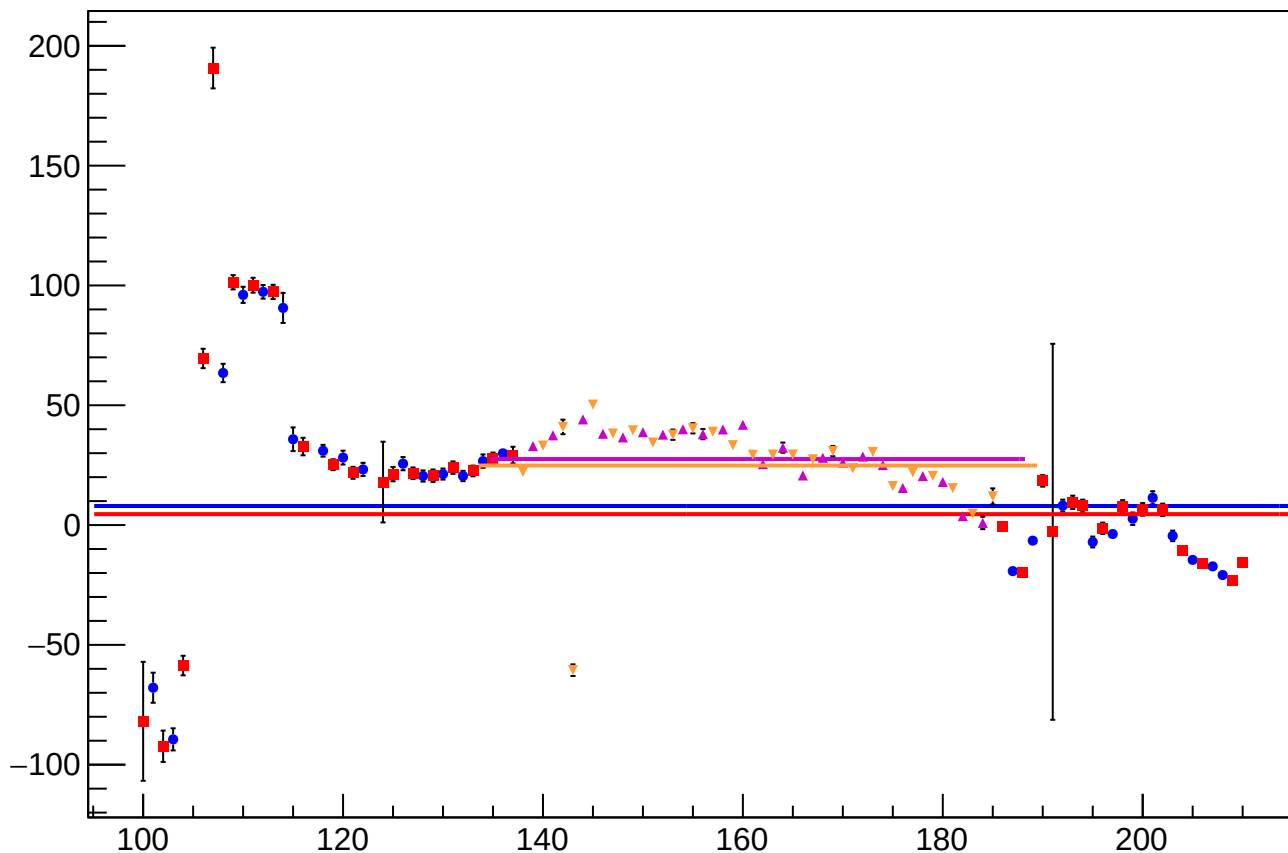
Left In: -1.659 $\pm$ 0.304 χ^2 /NDF: 70.2/22

+ sign -2.488 $\pm$ 0.253 χ^2 /NDF: 264.6/51

All: -2.122 $\pm$ 0.180 χ^2 /NDF: 460.9/107

- sign -1.751 $\pm$ 0.255 χ^2 /NDF: 192.2/55

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 7.958 ± 0.457 χ^2/NDF : 4277.1/26

Left Out: 24.850 ± 0.380 χ^2/NDF : 2048.7/24

Right Out: 4.556 ± 0.392 χ^2/NDF : 6193.7/32

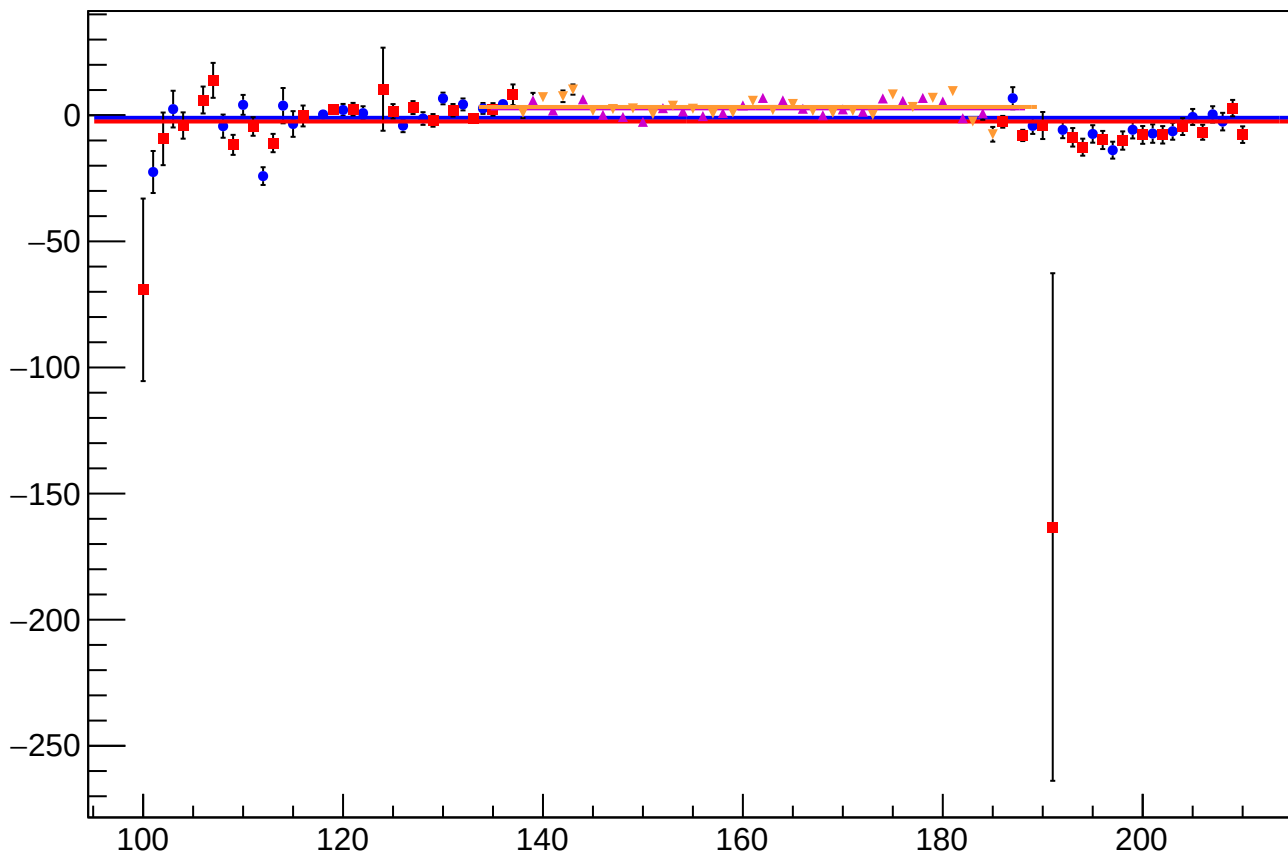
Left In: 27.551 ± 0.389 χ^2/NDF : 881.9/22

+ sign 17.953 ± 0.292 χ^2/NDF : 7133.5/51

All: 17.004 ± 0.201 χ^2/NDF : 15962.0/107

- sign 16.155 ± 0.276 χ^2/NDF : 8808.4/55

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.015 ± 0.582 χ^2/NDF : 115.9/26

Left Out: 3.287 ± 0.331 χ^2/NDF : 106.3/24

Right Out: -2.478 ± 0.560 χ^2/NDF : 96.4/32

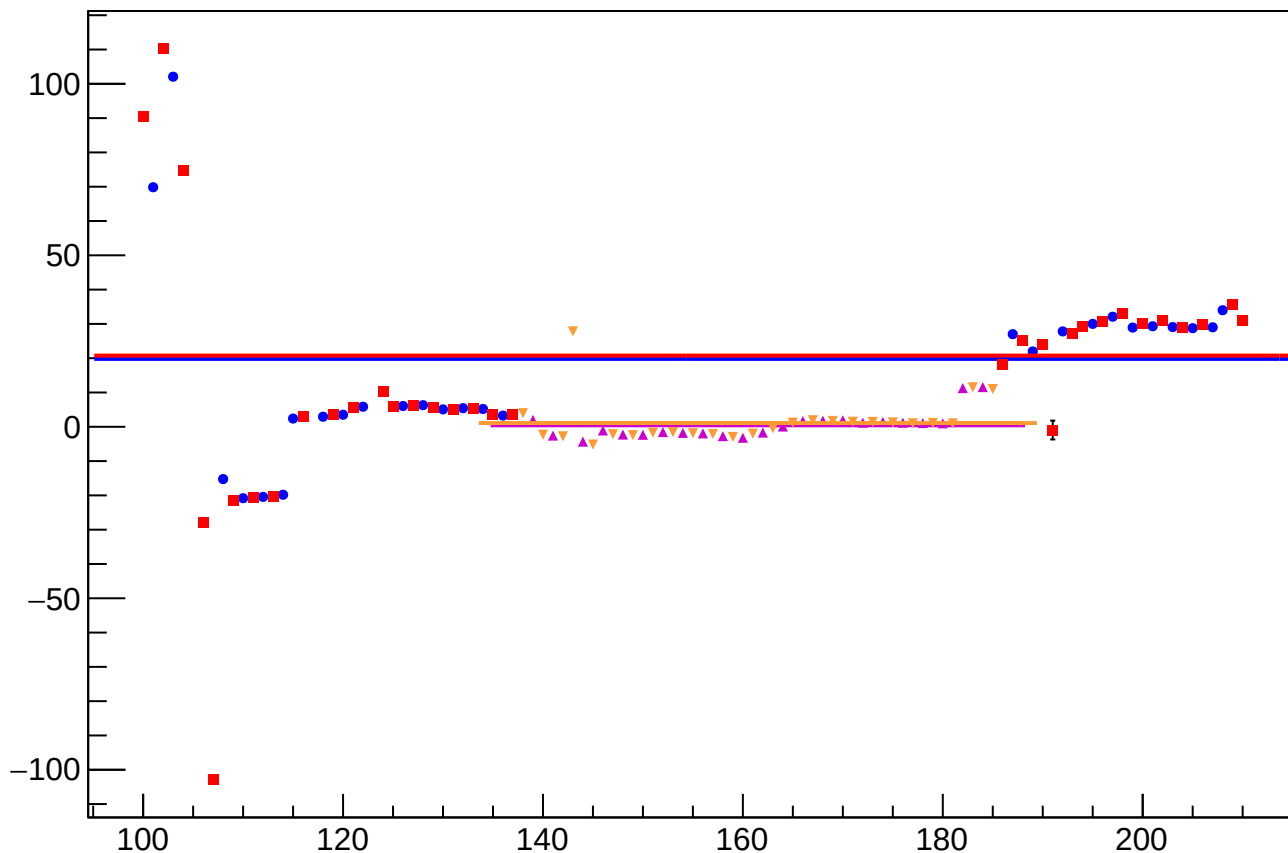
Left In: 2.730 ± 0.342 χ^2/NDF : 74.5/22

+ sign 2.234 ± 0.288 χ^2/NDF : 263.4/51

All: 1.781 ± 0.205 χ^2/NDF : 502.2/107

- sign 1.315 ± 0.292 χ^2/NDF : 233.8/55

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 19.805 $\pm$ 0.028 χ^2 /NDF: 483379.3/26

Left Out: 1.094 $\pm$ 0.015 χ^2 /NDF: 128801.7/24

Right Out: 20.759 $\pm$ 0.027 χ^2 /NDF: 638831.1/32

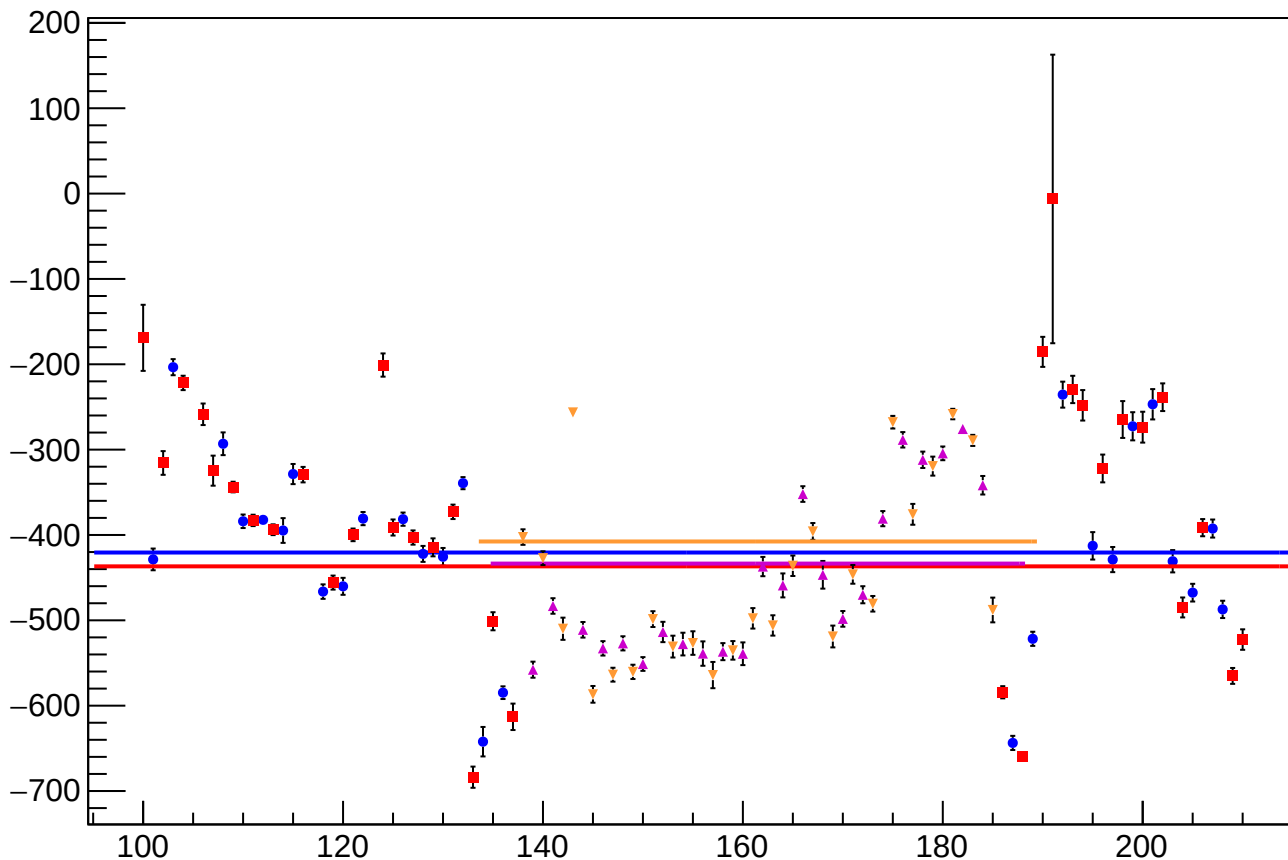
Left In: 0.443 $\pm$ 0.015 χ^2 /NDF: 53446.3/22

+ sign 5.266 $\pm$ 0.013 χ^2 /NDF: 966785.7/51

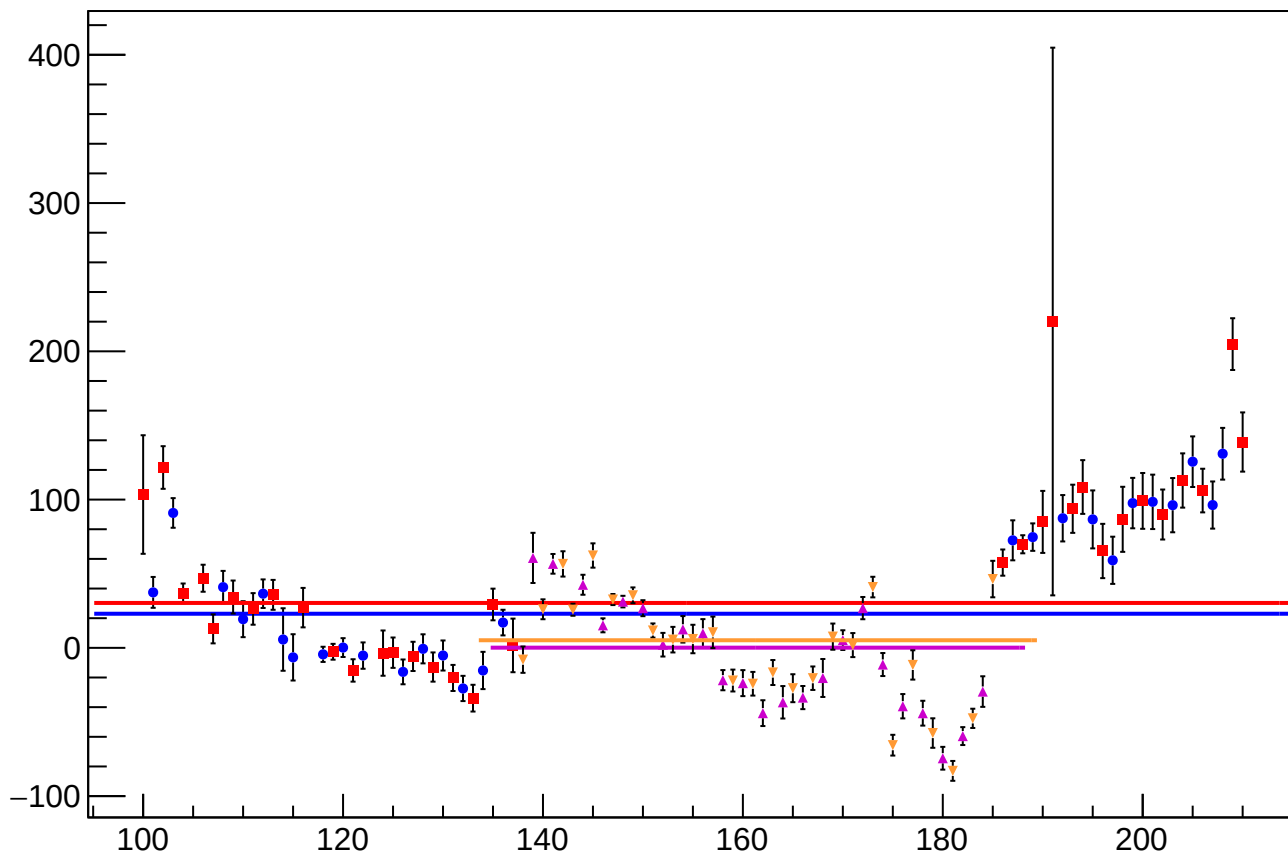
All: 5.279 $\pm$ 0.009 χ^2 /NDF: 2091932.1/107

- sign 5.292 $\pm$ 0.013 χ^2 /NDF: 1125144.4/55

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 23.006 ± 2.029 χ^2/NDF : 414.2/26

Left Out: 5.125 ± 1.379 χ^2/NDF : 689.2/24

Right Out: 30.285 ± 1.887 χ^2/NDF : 566.8/32

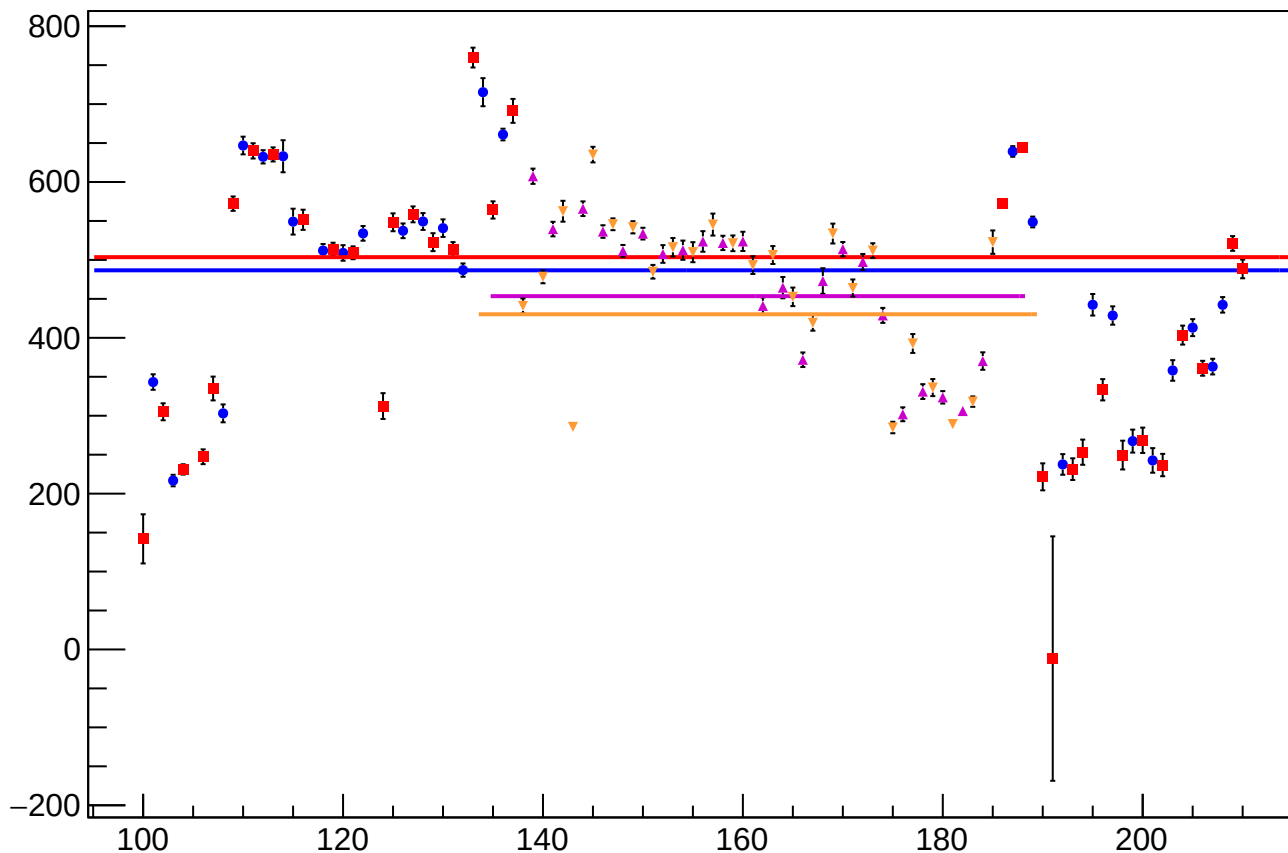
Left In: 0.124 ± 1.489 χ^2/NDF : 568.6/22

+ sign 10.773 ± 1.140 χ^2/NDF : 1156.5/51

All: 11.225 ± 0.816 χ^2/NDF : 2449.6/107

- sign 11.701 ± 1.169 χ^2/NDF : 1292.8/55

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 486.645 ± 1.946 χ^2/NDF : 4914.6/26

Left Out: 430.238 ± 1.861 χ^2/NDF : 3405.1/24

Right Out: 503.544 ± 1.690 χ^2/NDF : 8071.9/32

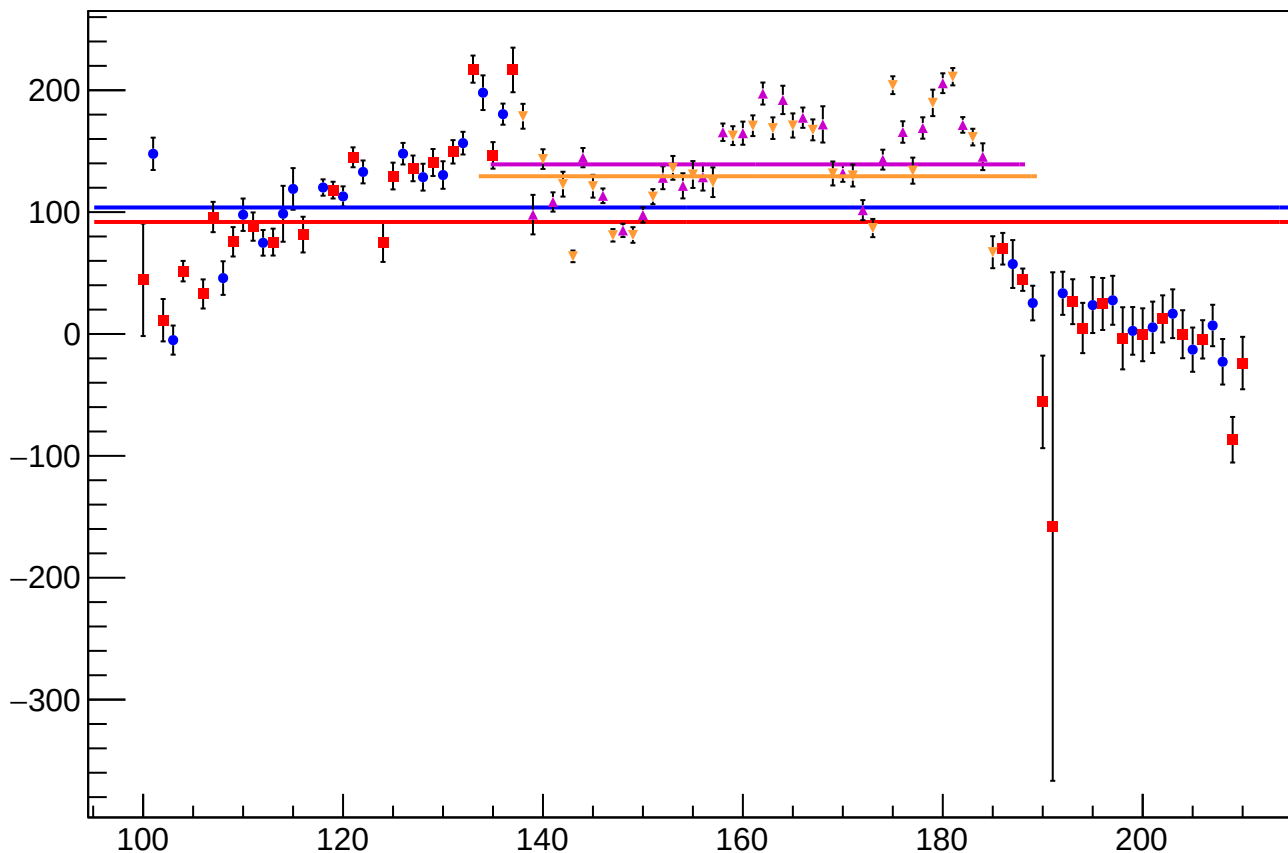
Left In: 453.496 ± 1.974 χ^2/NDF : 2419.7/22

+ sign 457.190 ± 1.345 χ^2/NDF : 8758.6/51

All: 470.362 ± 0.929 χ^2/NDF : 19804.4/107

- sign 482.367 ± 1.284 χ^2/NDF : 10862.4/55

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 103.812 ± 2.379 $\chi^2/\text{NDF}: 592.3/26$

Left Out: 129.418 ± 1.593 $\chi^2/\text{NDF}: 814.3/24$

Right Out: 91.907 ± 2.245 $\chi^2/\text{NDF}: 731.3/32$

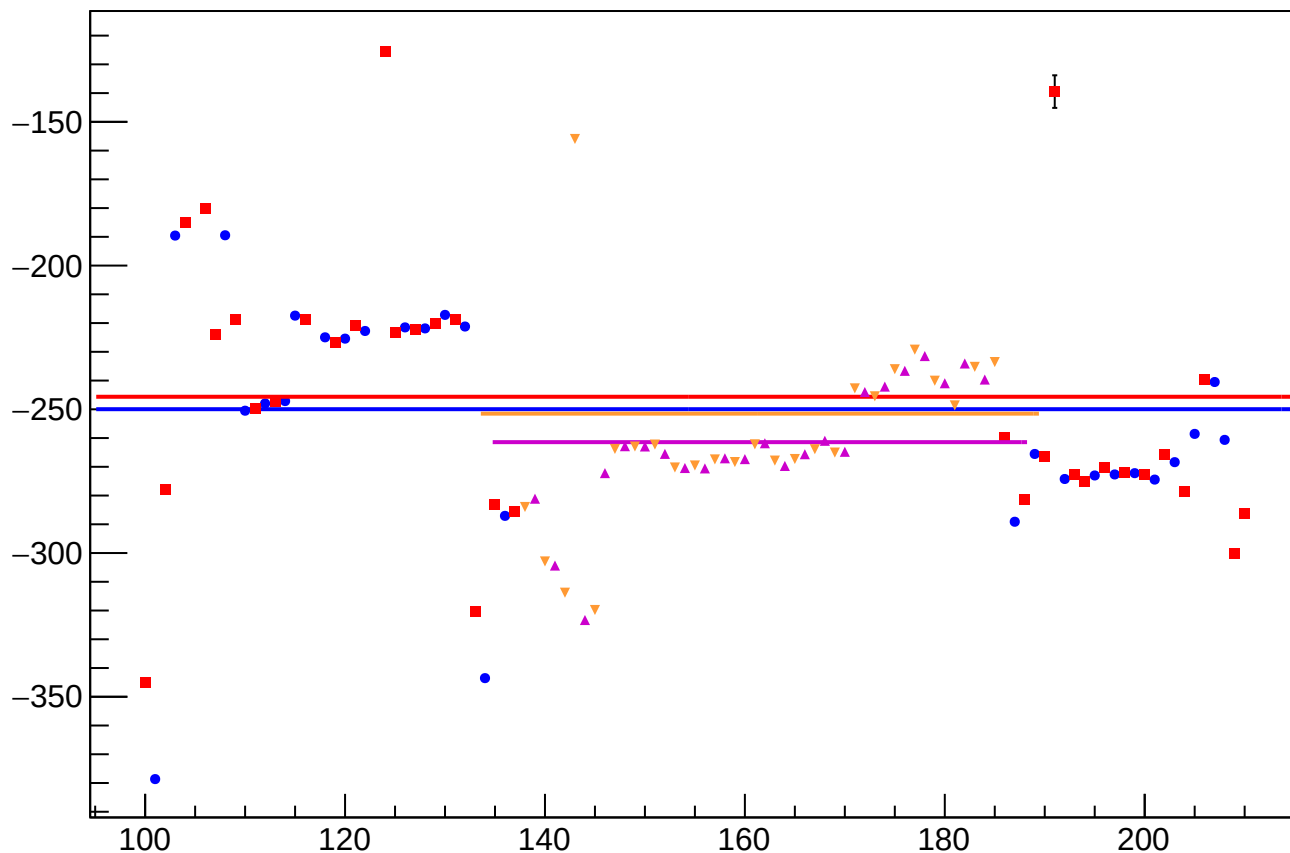
Left In: 139.163 ± 1.705 $\chi^2/\text{NDF}: 434.2/22$

+ sign 121.493 ± 1.323 $\chi^2/\text{NDF}: 1486.6/51$

All: 121.680 ± 0.948 $\chi^2/\text{NDF}: 2933.2/107$

- sign 121.877 ± 1.358 $\chi^2/\text{NDF}: 1446.5/55$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -249.961 ± 0.121 χ^2/NDF : 148446.9/26

Left Out: -251.508 ± 0.075 χ^2/NDF : 254924.4/24

Right Out: -245.634 ± 0.116 χ^2/NDF : 118325.3/32

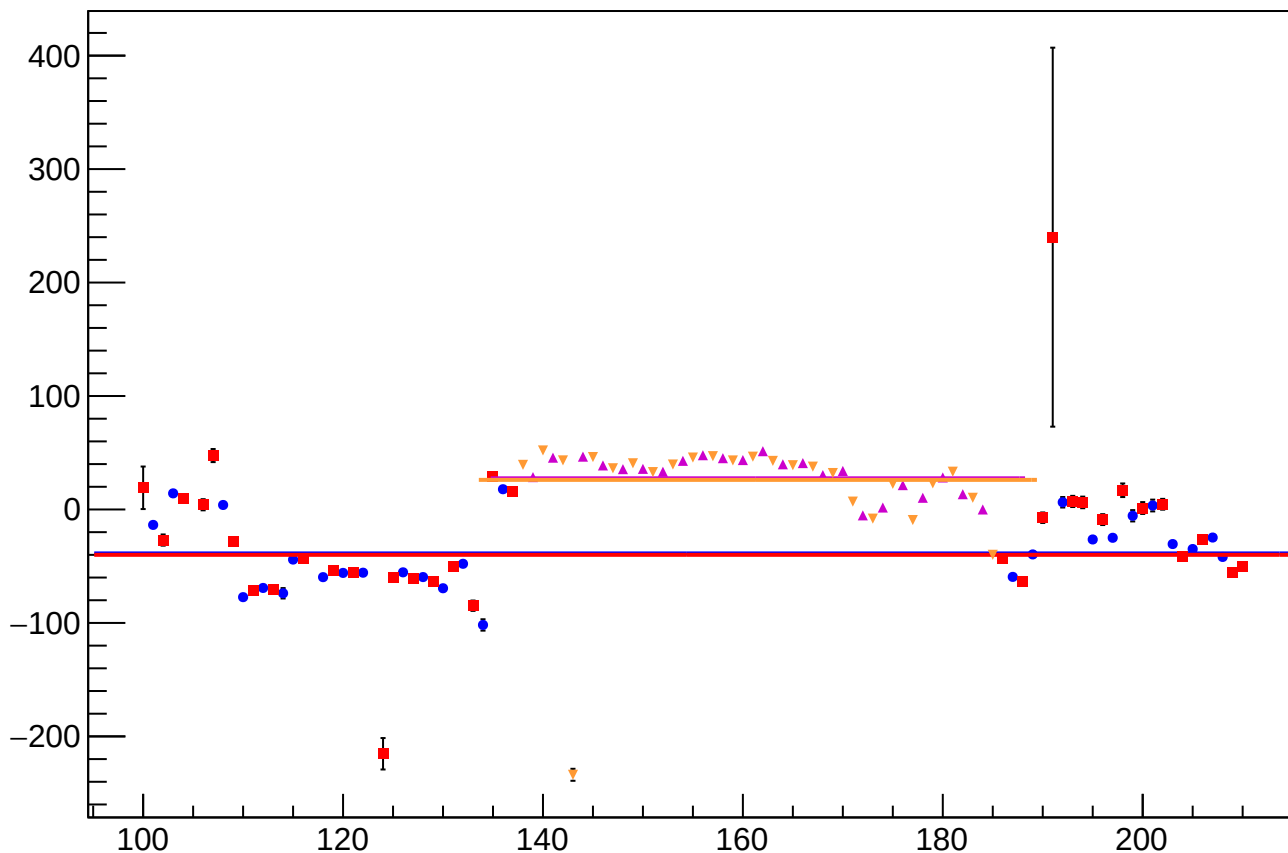
Left In: -261.425 ± 0.078 χ^2/NDF : 69557.7/22

+ sign -251.084 ± 0.064 χ^2/NDF : 403489.3/51

All: -253.746 ± 0.045 χ^2/NDF : 607773.3/107

- sign -256.497 ± 0.065 χ^2/NDF : 200714.4/55

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -38.735 ± 0.588 χ^2/NDF : 2742.4/26

Left Out: 26.087 ± 0.390 χ^2/NDF : 4785.1/24

Right Out: -39.968 ± 0.516 χ^2/NDF : 3311.5/32

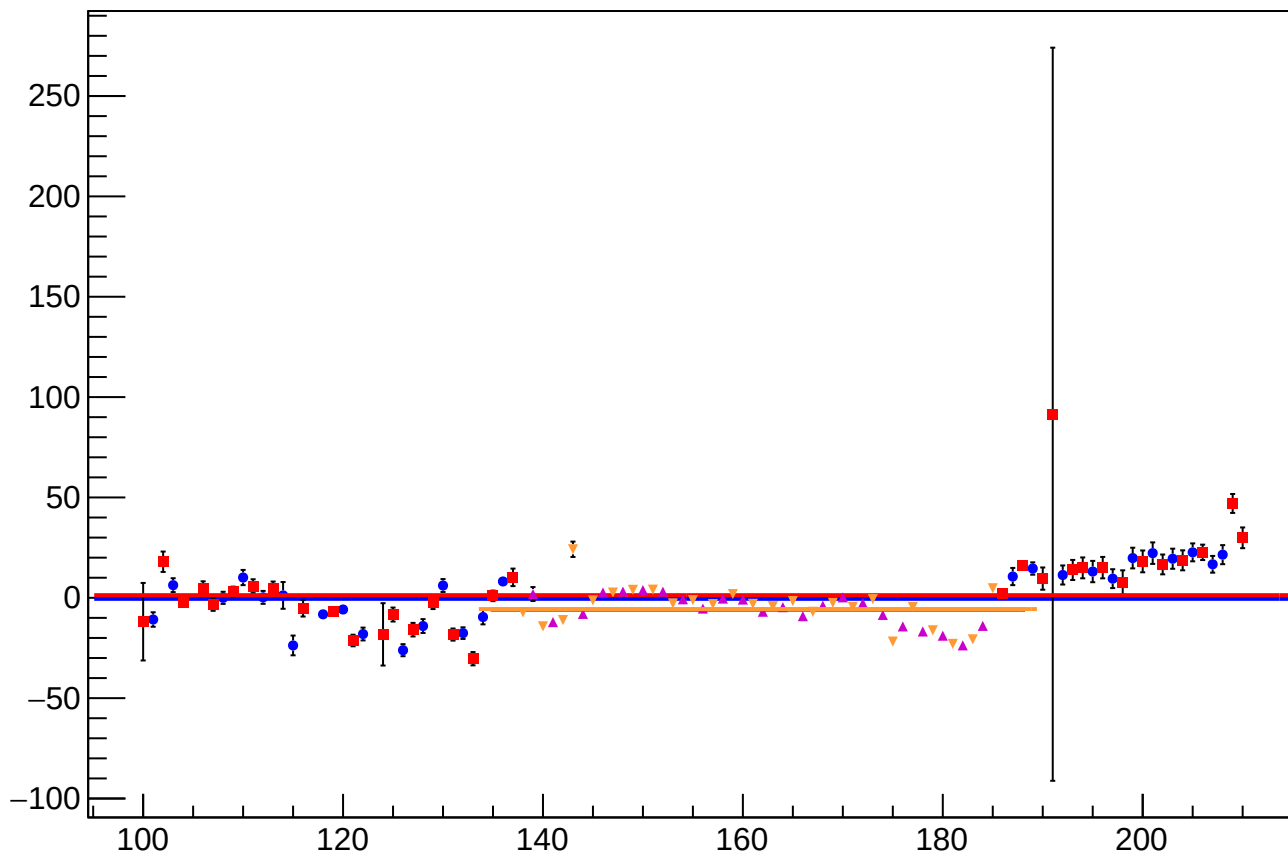
Left In: 27.466 ± 0.396 χ^2/NDF : 1608.9/22

+ sign 6.305 ± 0.325 χ^2/NDF : 15971.5/51

All: 4.330 ± 0.226 χ^2/NDF : 31717.3/107

- sign 2.485 ± 0.314 χ^2/NDF : 15674.3/55

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.509 ± 0.657 χ^2/NDF : 407.3/26

Left Out: -5.625 ± 0.302 χ^2/NDF : 893.3/24

Right Out: 1.312 ± 0.606 χ^2/NDF : 534.1/32

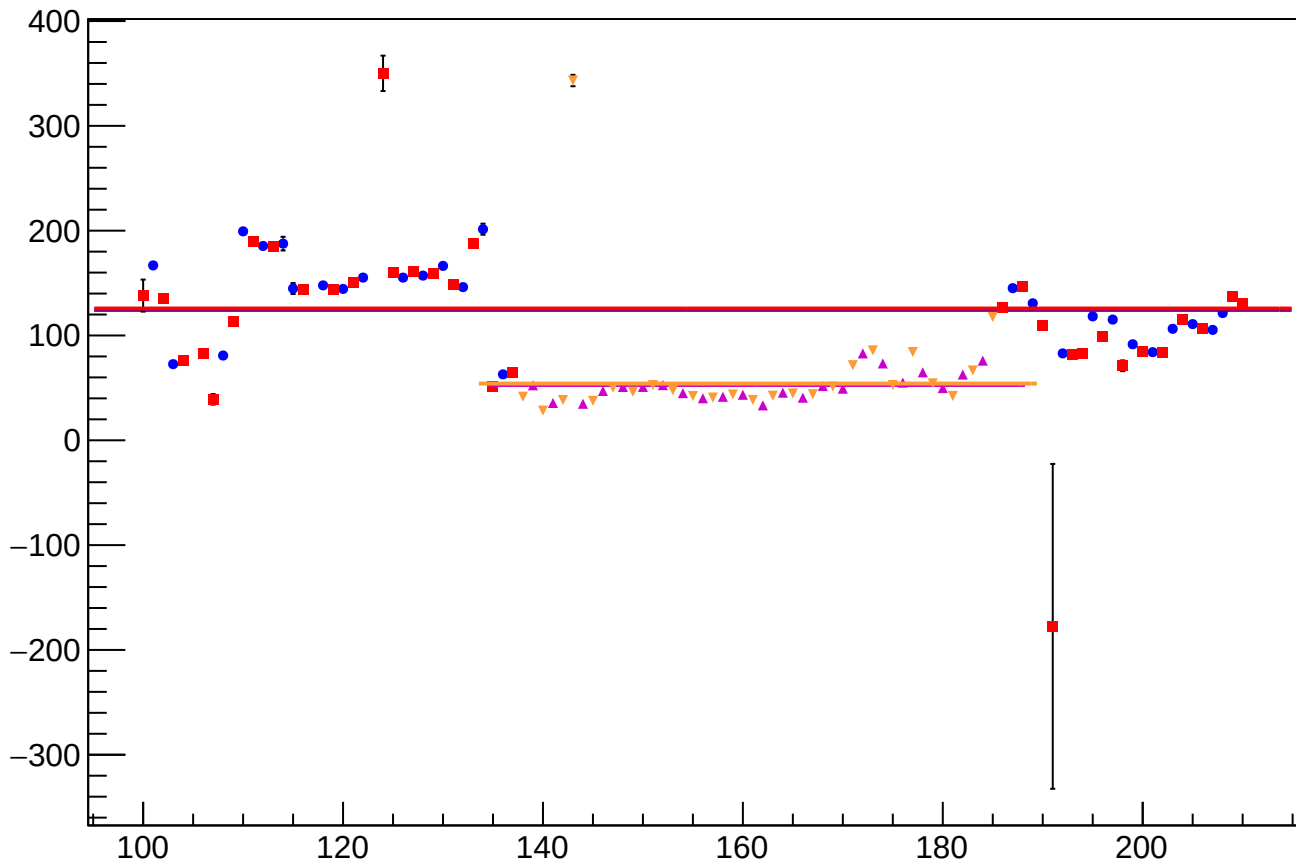
Left In: -5.940 ± 0.309 χ^2/NDF : 712.2/22

+ sign -4.734 ± 0.274 χ^2/NDF : 1350.6/51

All: -4.589 ± 0.194 χ^2/NDF : 2711.2/107

- sign -4.443 ± 0.275 χ^2/NDF : 1360.0/55

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 124.493 ± 0.603 $\chi^2/\text{NDF}: 4113.4/26$

Left Out: 54.123 ± 0.387 $\chi^2/\text{NDF}: 4591.8/24$

Right Out: 125.685 ± 0.519 $\chi^2/\text{NDF}: 4441.9/32$

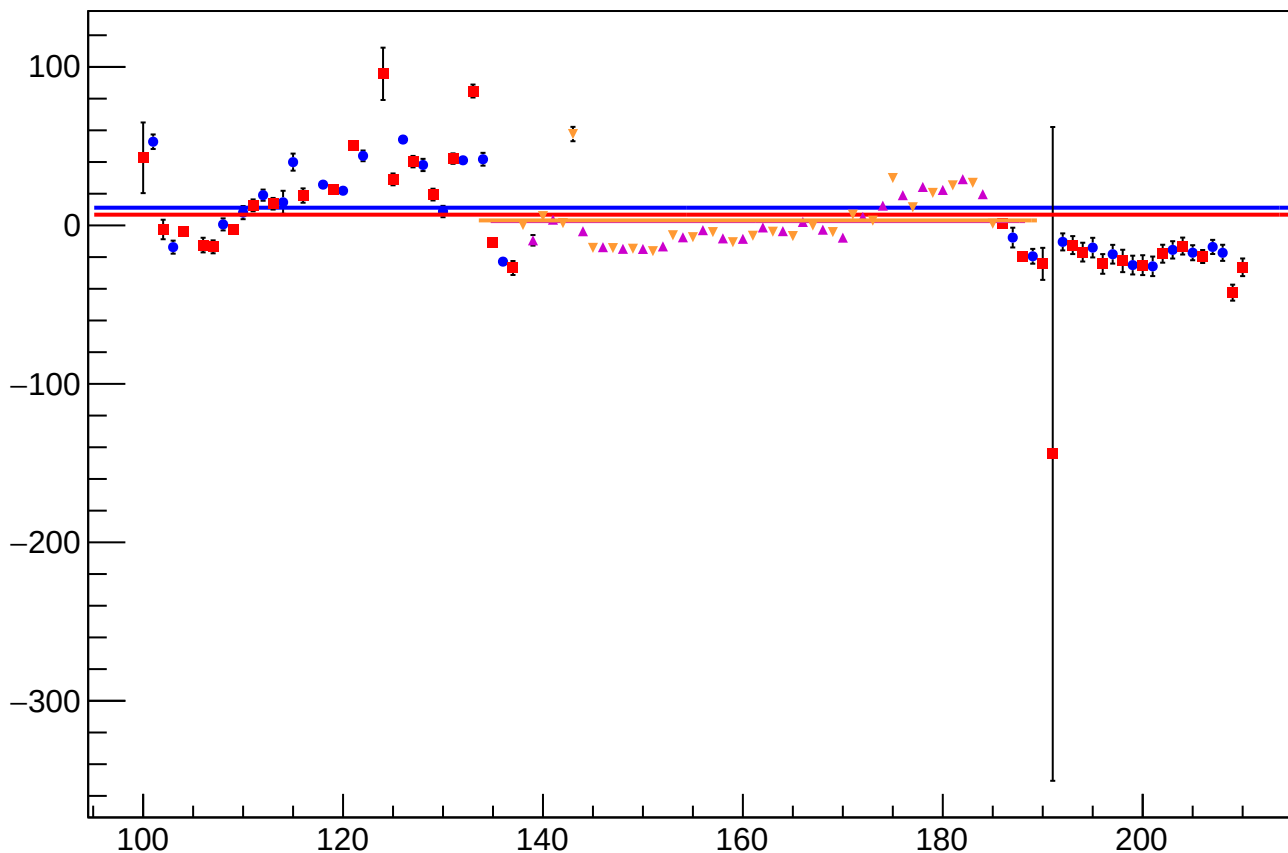
Left In: 52.797 ± 0.393 $\chi^2/\text{NDF}: 978.1/22$

+ sign 74.650 ± 0.326 $\chi^2/\text{NDF}: 18336.2/51$

All: 77.078 ± 0.226 $\chi^2/\text{NDF}: 36404.9/107$

- sign 79.319 ± 0.313 $\chi^2/\text{NDF}: 17962.0/55$

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 11.175 $\pm$ 0.759 χ^2 /NDF: 1246.1/26

Left Out: 3.155 $\pm$ 0.340 χ^2 /NDF: 2012.4/24

Right Out: 6.774 $\pm$ 0.717 χ^2 /NDF: 1450.0/32

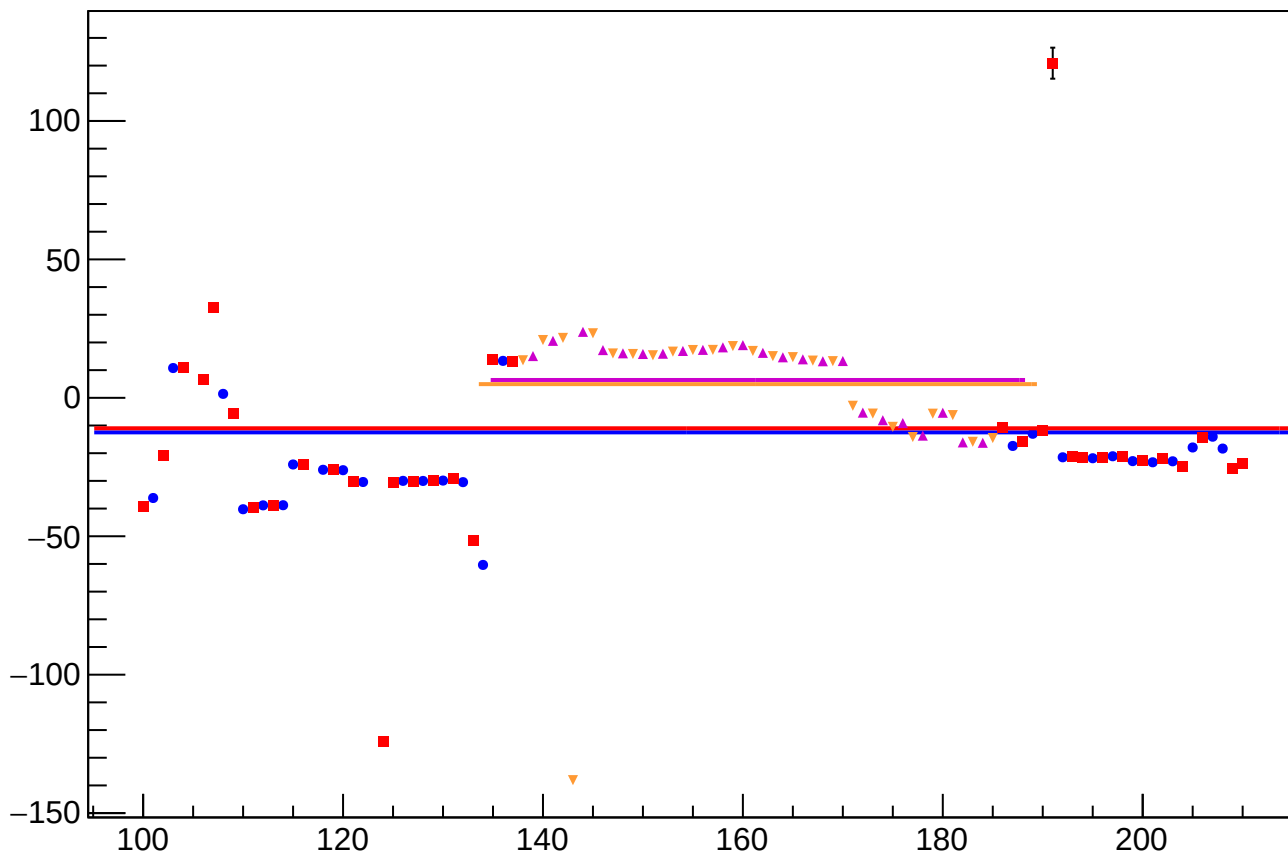
Left In: 2.722 $\pm$ 0.347 χ^2 /NDF: 1735.2/22

+ sign 4.494 $\pm$ 0.310 χ^2 /NDF: 3351.4/51

All: 3.995 $\pm$ 0.220 χ^2 /NDF: 6567.7/107

- sign 3.490 $\pm$ 0.312 χ^2 /NDF: 3211.0/55

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.477 ± 0.036 $\chi^2/\text{NDF}: 296281.9/26$

Left Out: 4.946 ± 0.015 $\chi^2/\text{NDF}: 1136506.7/24$

Right Out: -11.001 ± 0.035 $\chi^2/\text{NDF}: 280601.2/32$

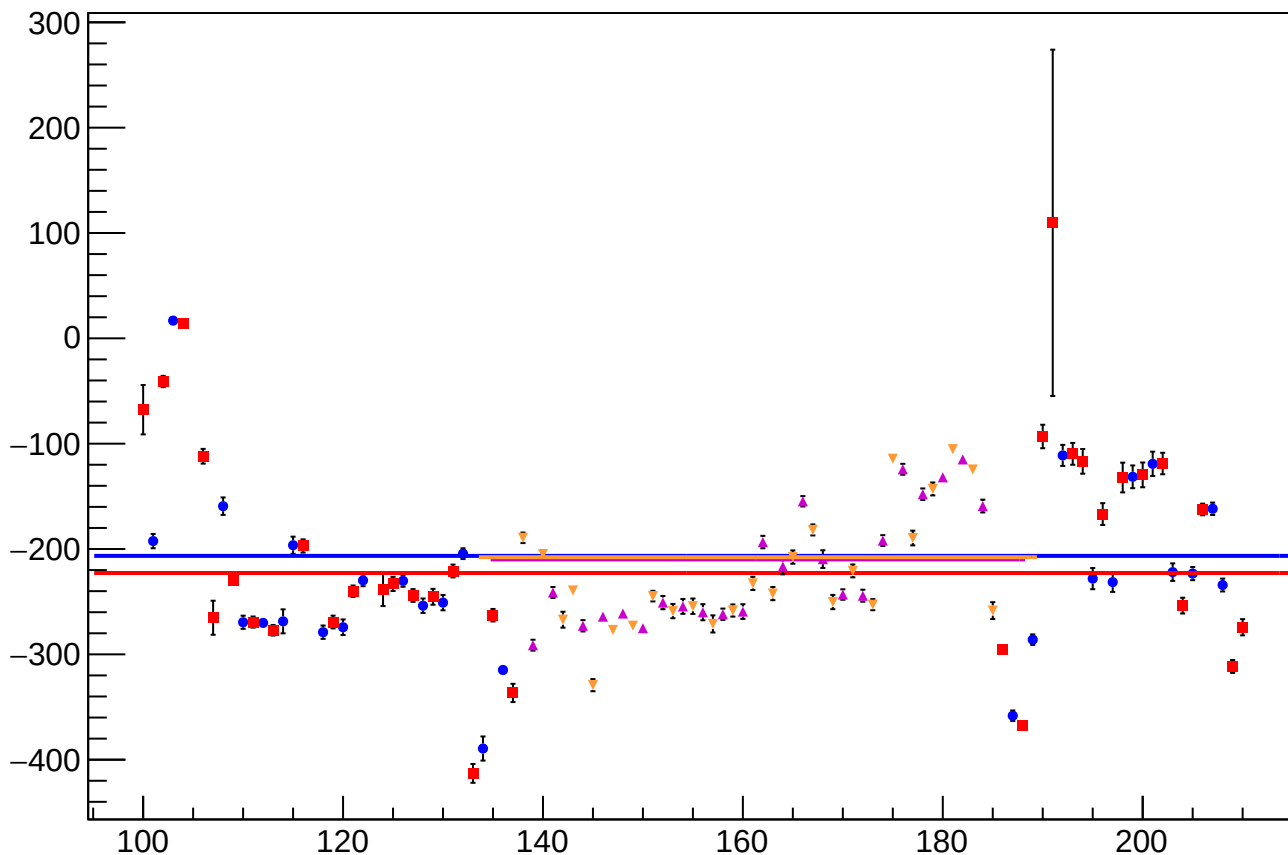
Left In: 6.444 ± 0.015 $\chi^2/\text{NDF}: 729692.1/22$

+ sign 2.316 ± 0.014 $\chi^2/\text{NDF}: 1630630.7/51$

All: 2.991 ± 0.010 $\chi^2/\text{NDF}: 2851360.7/107$

- sign 3.669 ± 0.014 $\chi^2/\text{NDF}: 1216087.7/55$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -206.514 $\pm$ 1.178 χ^2 /NDF: 8814.3/26

Left Out: -207.745 $\pm$ 1.070 χ^2 /NDF:3487.2/24

Right Out: -222.762 $\pm$ 1.062 χ^2 /NDF: 12565.2/32

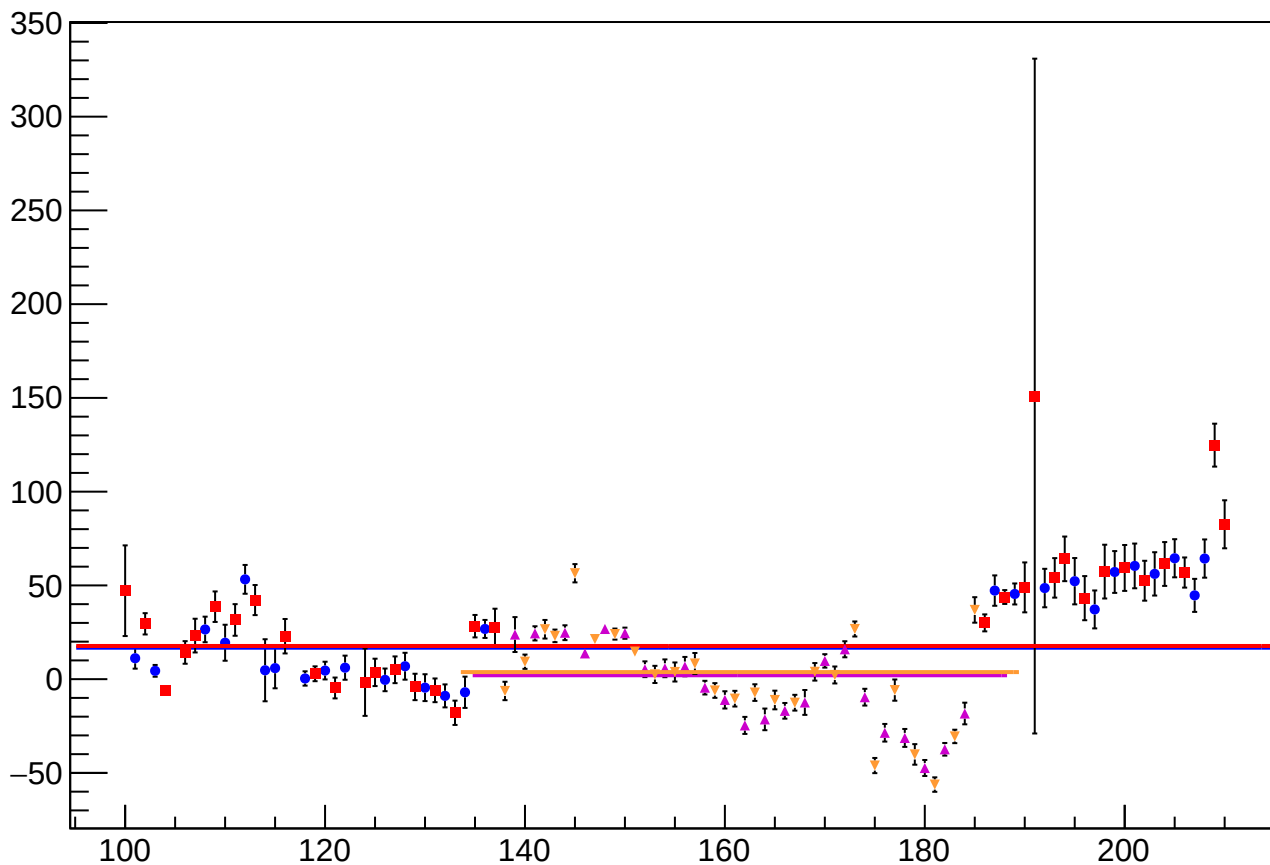
Left In: -209.875 $\pm$ 1.101 χ^2 /NDF:3011.9/22

+ sign -207.188 $\pm$ 0.792 χ^2 /NDF: 12302.1/51

All: -212.035 $\pm$ 0.550 χ^2 /NDF: 28022.5/107

- sign -216.551 $\pm$ 0.765 χ^2 /NDF: 15648.1/55

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 16.783 $\pm$ 1.279 χ^2 /NDF: 273.5/26

Left Out: 3.770 $\pm$ 0.787 χ^2 /NDF: 972.1/24

Right Out: 17.696 $\pm$ 1.153 χ^2 /NDF: 494.6/32

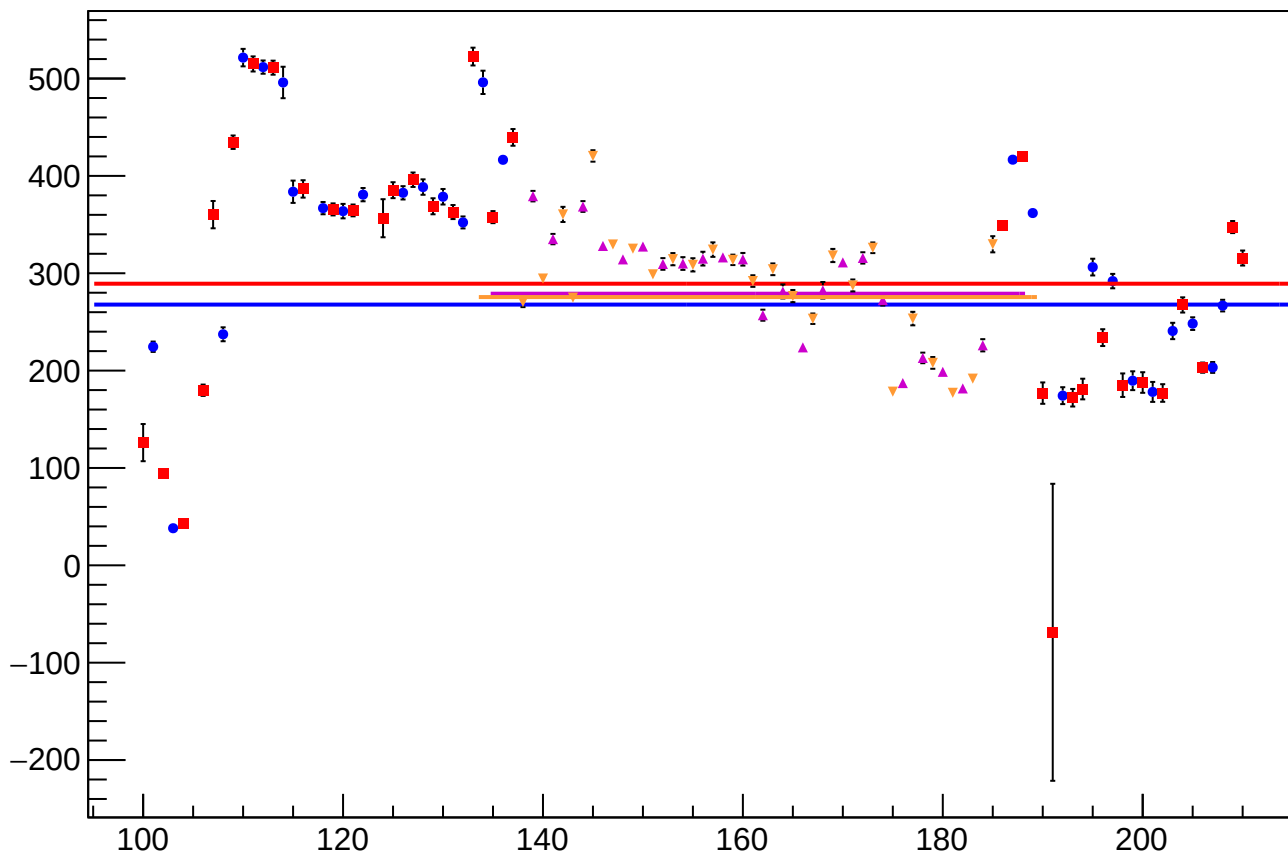
Left In: 2.079 $\pm$ 0.820 χ^2 /NDF: 770.2/22

+ sign 7.345 $\pm$ 0.670 χ^2 /NDF: 1320.7/51

All: 7.335 $\pm$ 0.473 χ^2 /NDF: 2707.3/107

- sign 7.325 $\pm$ 0.668 χ^2 /NDF: 1386.6/55

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 267.816 $\pm$ 1.136 χ^2 /NDF: 17747.6/26

Left Out: 275.536 $\pm$ 1.062 χ^2 /NDF: 3323.1/24

Right Out: 289.257 $\pm$ 0.998 χ^2 /NDF: 22262.7/32

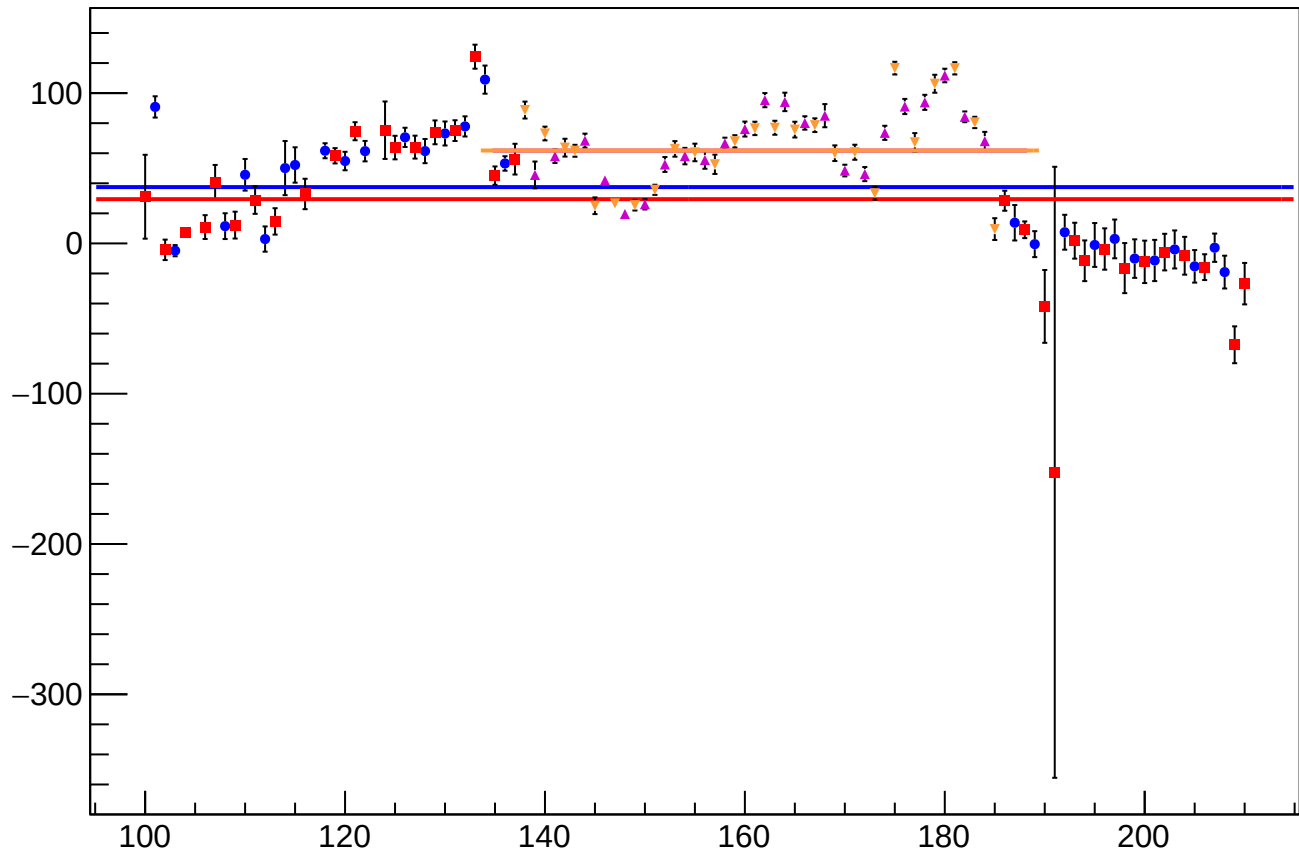
Left In: 278.989 $\pm$ 1.089 χ^2 /NDF: 3114.7/22

+ sign 271.934 $\pm$ 0.776 χ^2 /NDF: 21095.4/51

All: 278.587 $\pm$ 0.534 χ^2 /NDF: 46660.8/107

- sign 284.570 $\pm$ 0.736 χ^2 /NDF: 25425.7/55

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 37.462 ± 1.501 $\chi^2/\text{NDF}: 569.3/26$

Left Out: 61.818 ± 0.907 $\chi^2/\text{NDF}: 959.5/24$

Right Out: 29.425 ± 1.395 $\chi^2/\text{NDF}: 636.8/32$

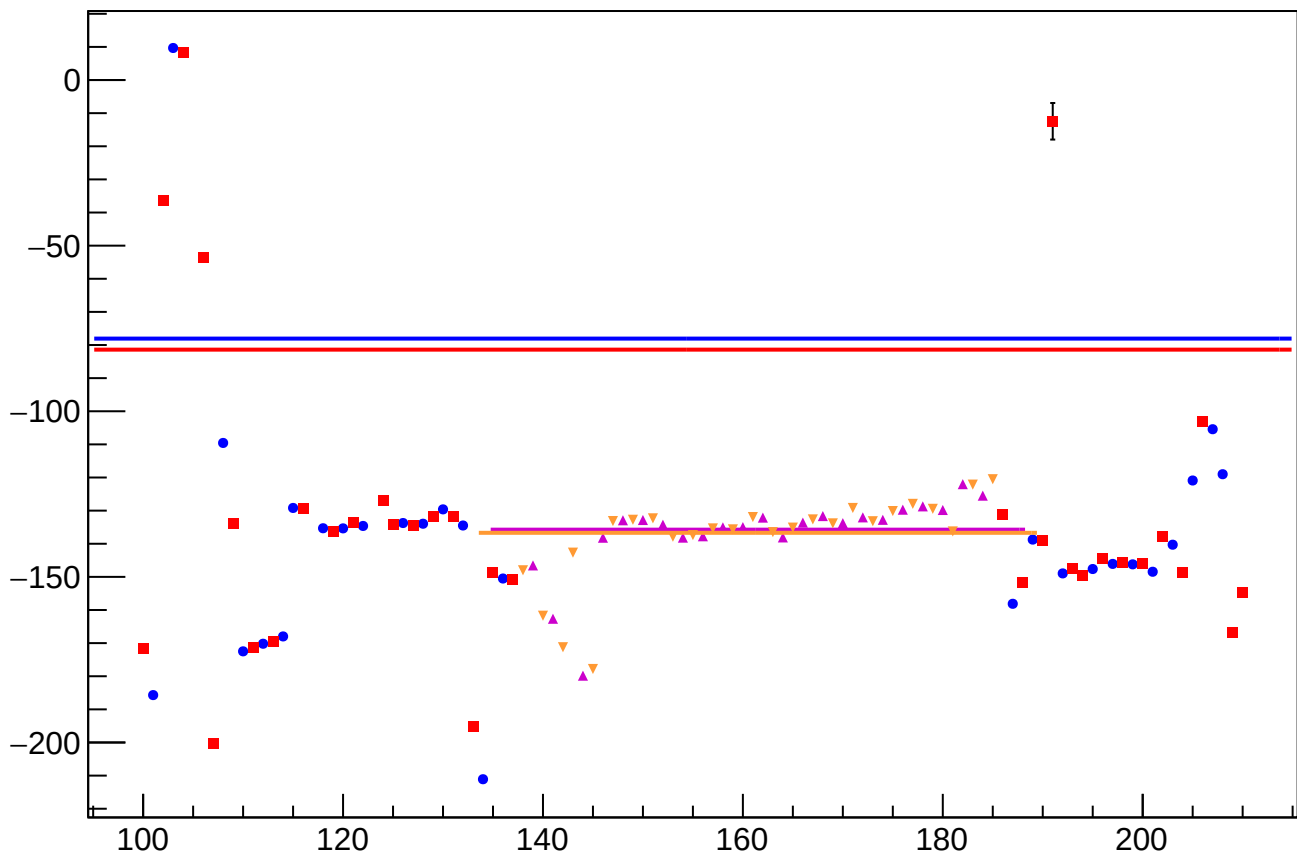
Left In: 61.763 ± 0.939 $\chi^2/\text{NDF}: 736.0/22$

+ sign 55.295 ± 0.777 $\chi^2/\text{NDF}: 1721.6/51$

All: 53.493 ± 0.550 $\chi^2/\text{NDF}: 3475.3/107$

- sign 51.681 ± 0.779 $\chi^2/\text{NDF}: 1742.8/55$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -78.061 $\pm$ 0.063 χ^2 /NDF: 1524594.8/26

Left Out: -136.695 $\pm$ 0.042 χ^2 /NDF: 79006.9/24

Right Out: -81.395 $\pm$ 0.063 χ^2 /NDF: 1252501.7/32

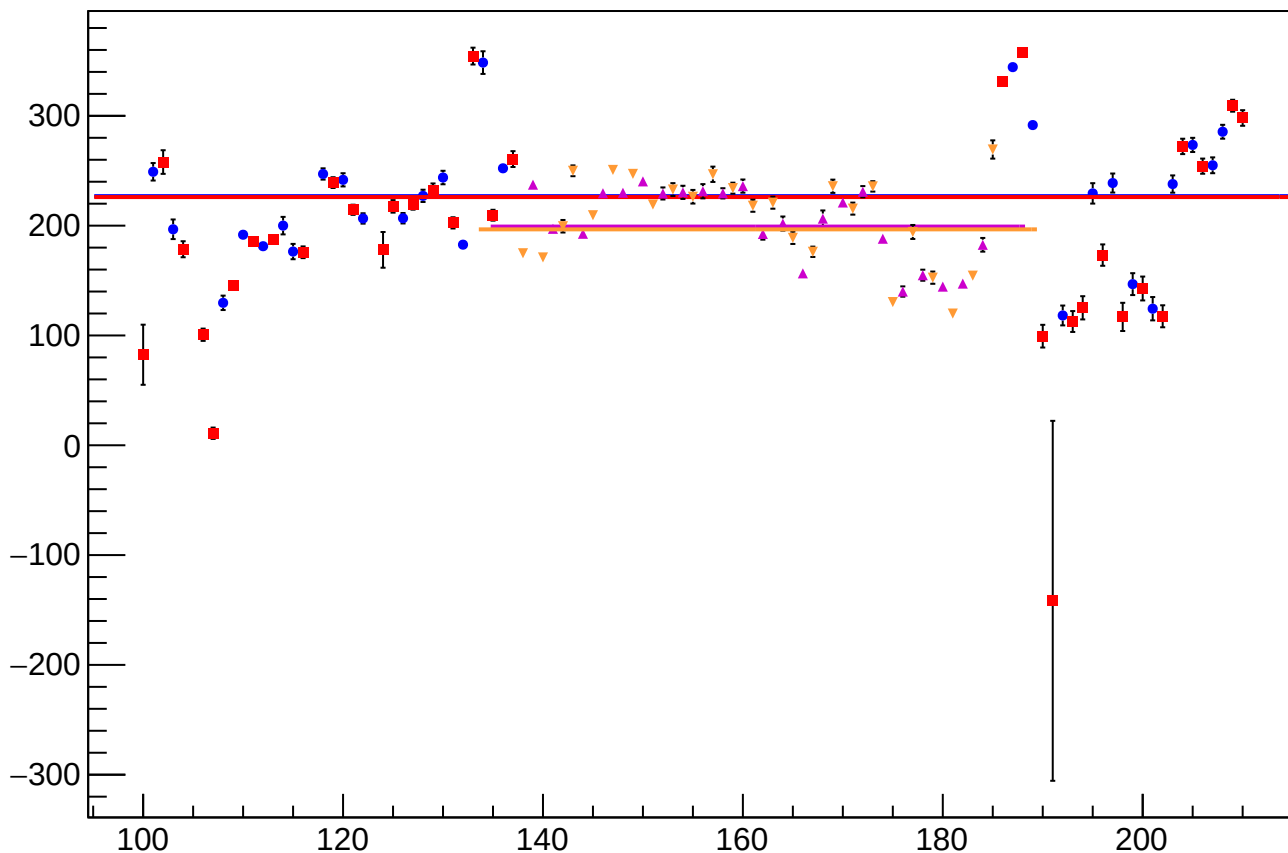
Left In: -135.745 $\pm$ 0.043 χ^2 /NDF: 63681.9/22

+ sign -118.535 $\pm$ 0.035 χ^2 /NDF: 2200184.2/51

All: -118.508 $\pm$ 0.025 χ^2 /NDF: 4028487.2/10

- sign -118.481 $\pm$ 0.035 χ^2 /NDF: 1828301.8/55

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 226.867 $\pm$ 1.096 χ^2 /NDF: 2269.9/26

Left Out: 196.615 $\pm$ 0.946 χ^2 /NDF: 2075.5/24

Right Out: 226.031 $\pm$ 0.954 χ^2 /NDF: 8520.8/32

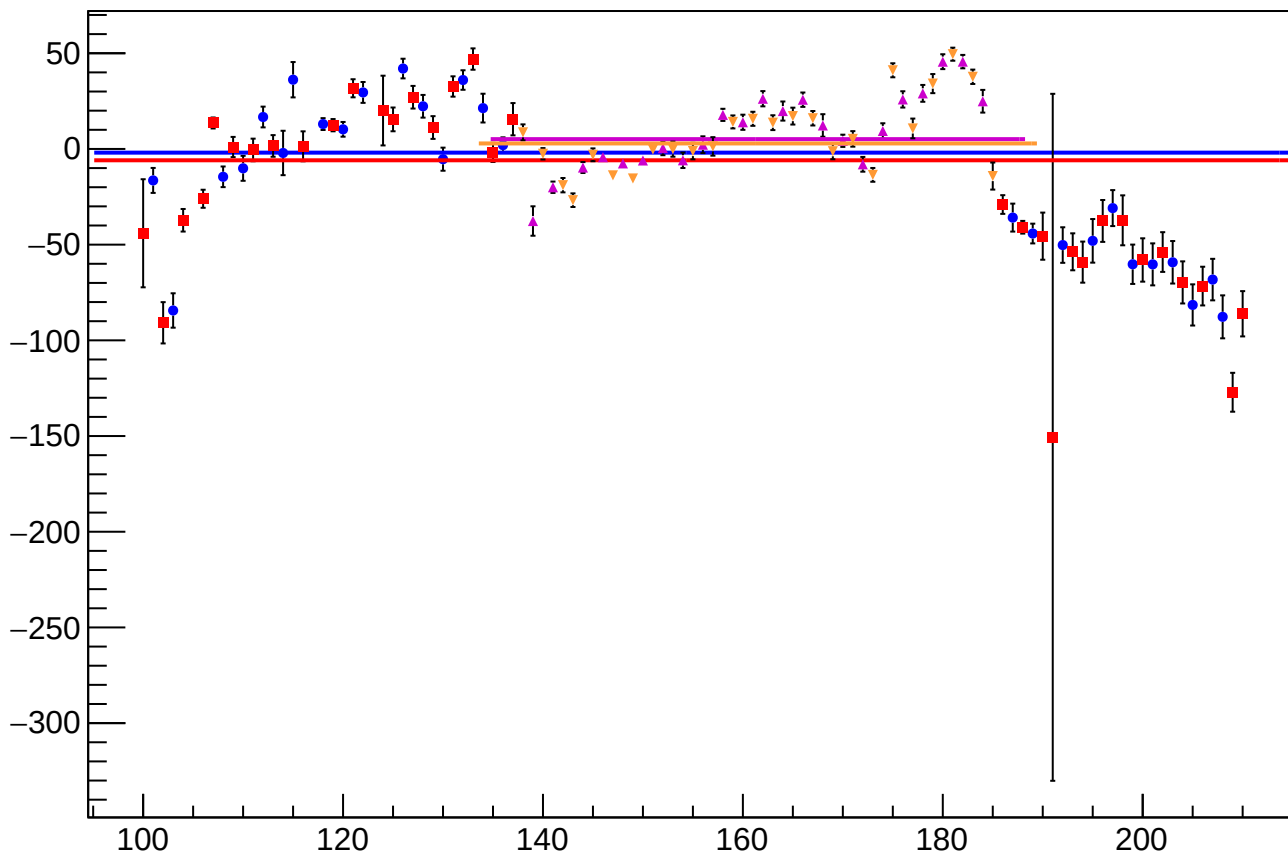
Left In: 199.153 $\pm$ 0.973 χ^2 /NDF: 1294.6/22

+ sign 209.540 $\pm$ 0.716 χ^2 /NDF: 4782.0/51

All: 211.284 $\pm$ 0.494 χ^2 /NDF: 14998.0/107

- sign 212.860 $\pm$ 0.681 χ^2 /NDF: 10204.8/55

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.929 ± 1.194 χ^2/NDF : 727.1/26

Left Out: 2.870 ± 0.693 χ^2/NDF : 752.8/24

Right Out: -5.927 ± 1.059 χ^2/NDF : 975.2/32

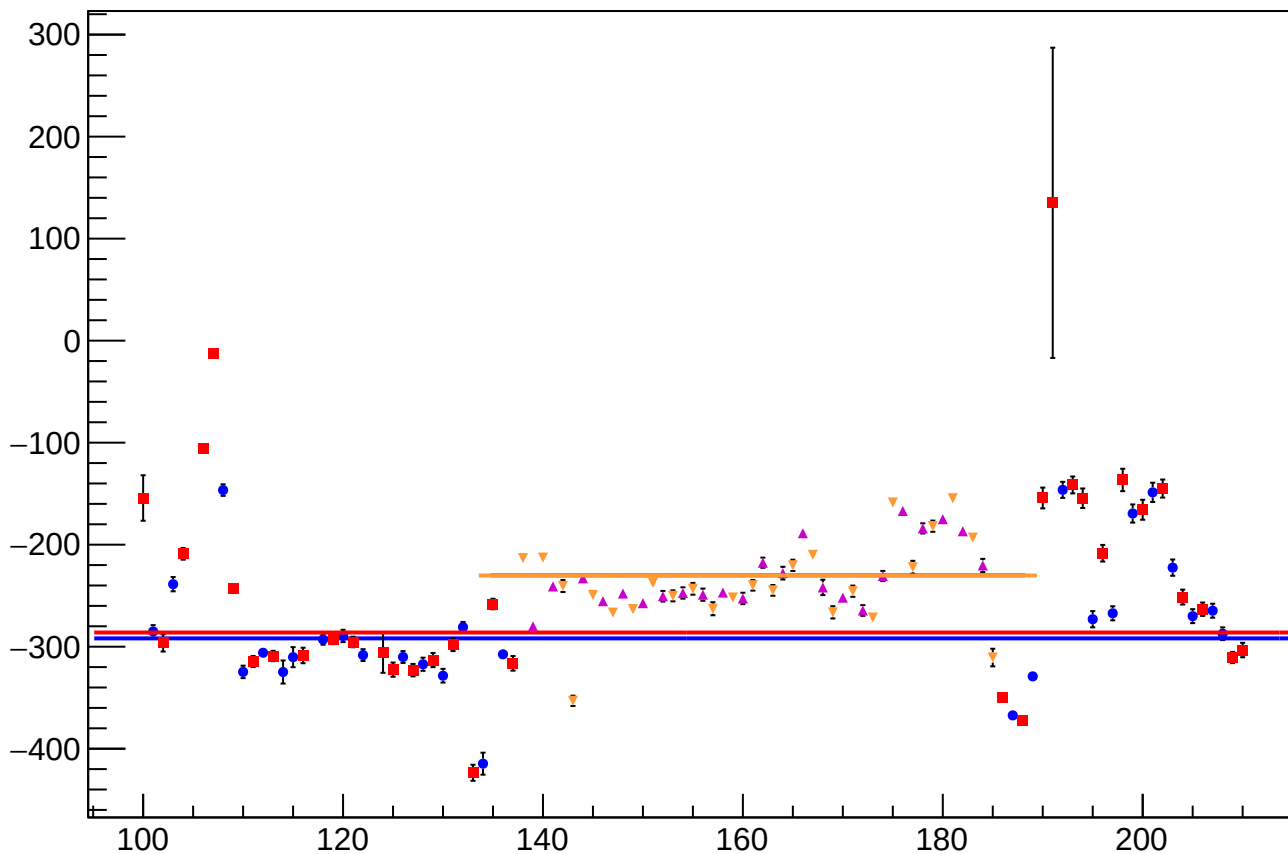
Left In: 5.126 ± 0.718 χ^2/NDF : 628.6/22

+ sign 1.661 ± 0.599 χ^2/NDF : 1492.0/51

All: 1.653 ± 0.422 χ^2/NDF : 3170.4/107

- sign 1.645 ± 0.594 χ^2/NDF : 1678.5/55

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -291.864+/-1.142 χ^2/NDF : 2379.2/26

Left Out: -230.182+/-0.939 χ^2/NDF : 2181.9/24

Right Out: -286.102+/-0.961 χ^2/NDF : 9945.1/32

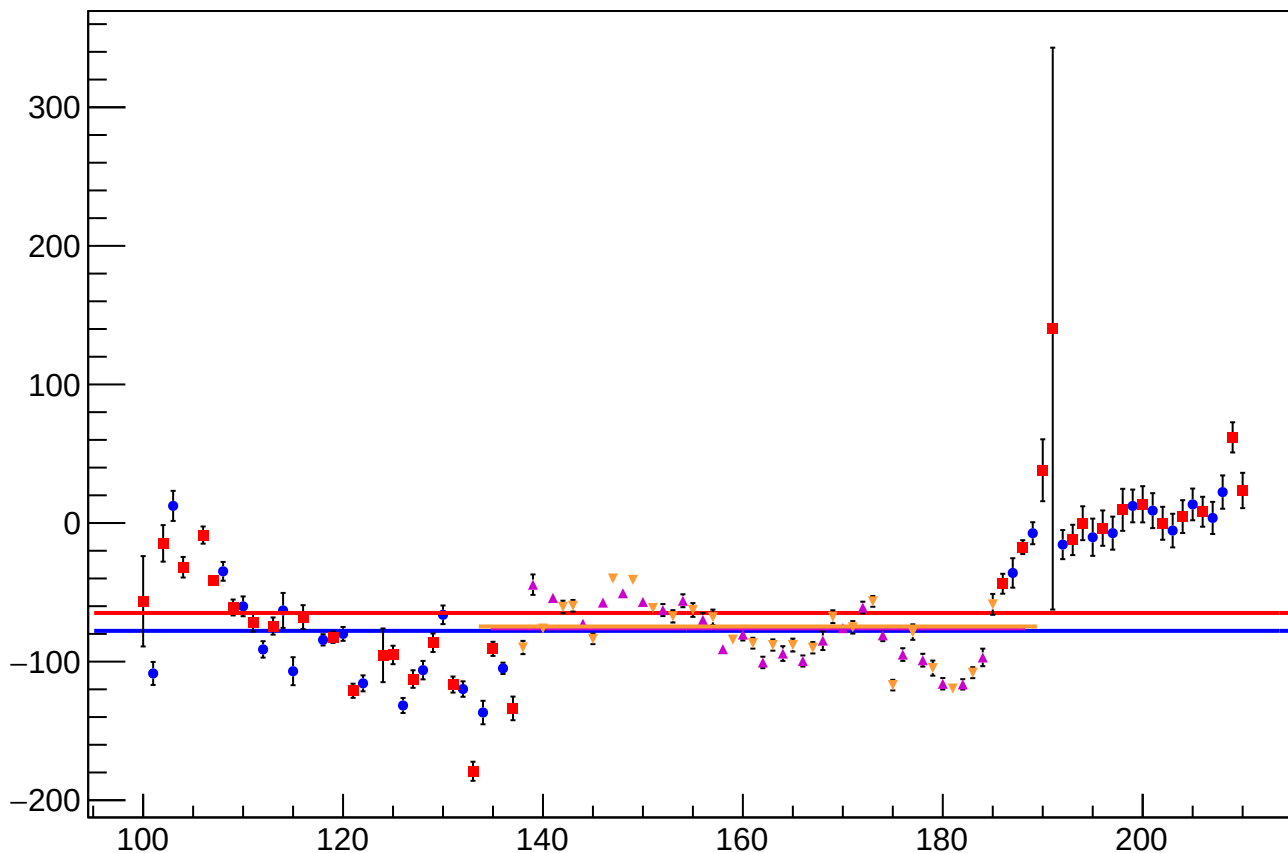
Left In: -230.047+/-0.961 χ^2/NDF : 1094.0/22

+ sign -255.068+/-0.725 χ^2/NDF : 6302.1/51

All: -256.663+/-0.496 χ^2/NDF : 19050.8/107

- sign -258.063+/-0.680 χ^2/NDF : 12739.7/55

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.810 ± 1.396 χ^2/NDF : 971.3/26

Left Out: -74.644 ± 0.801 χ^2/NDF : 831.0/24

Right Out: -64.885 ± 1.267 χ^2/NDF : 1386.0/32

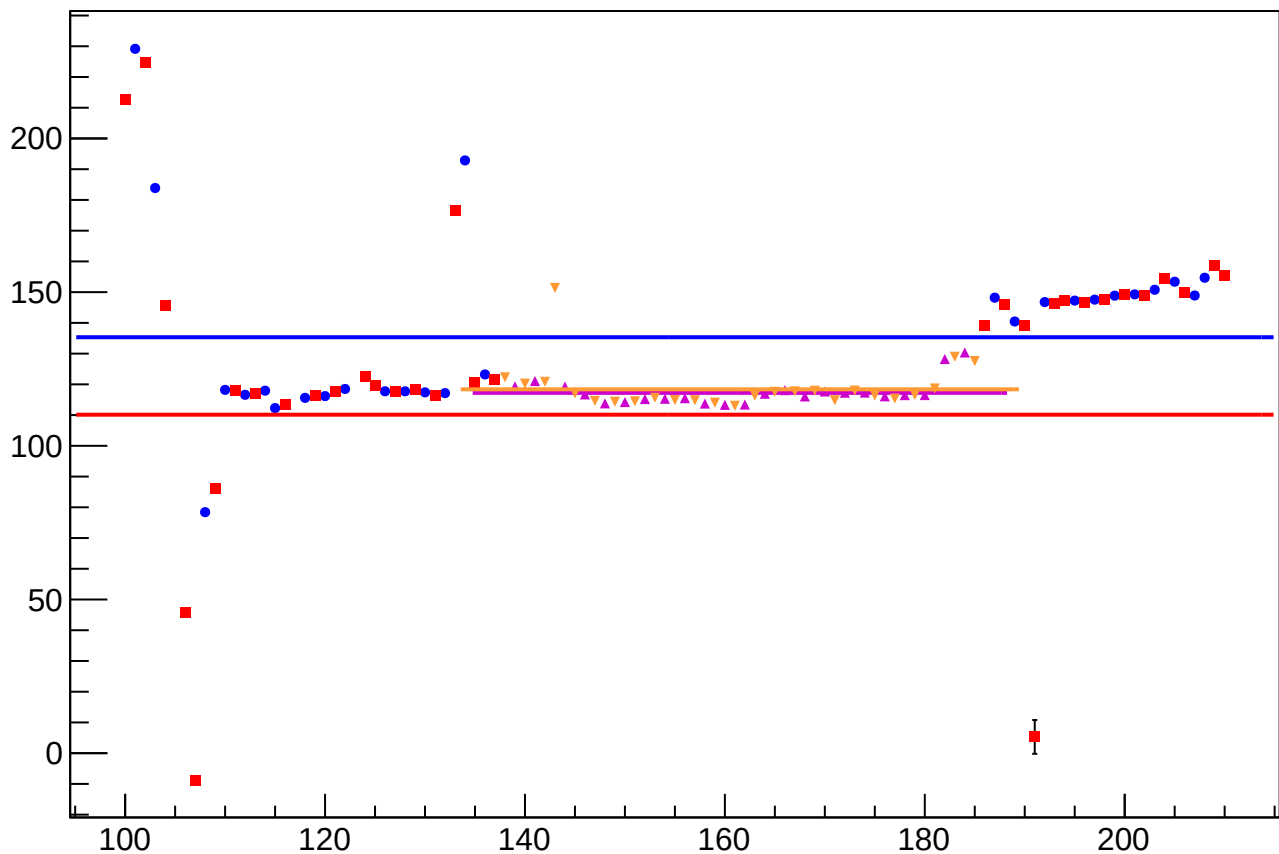
Left In: -76.025 ± 0.824 χ^2/NDF : 646.0/22

+ sign -75.428 ± 0.695 χ^2/NDF : 1806.2/51

All: -74.062 ± 0.490 χ^2/NDF : 3900.2/107

- sign -72.711 ± 0.691 χ^2/NDF : 2086.3/55

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 135.329 $\pm$ 0.072 χ^2 /NDF: 200501.0/26

Left Out: 118.382 $\pm$ 0.037 χ^2 /NDF: 34938.1/24

Right Out: 110.126 $\pm$ 0.065 χ^2 /NDF: 776833.9/32

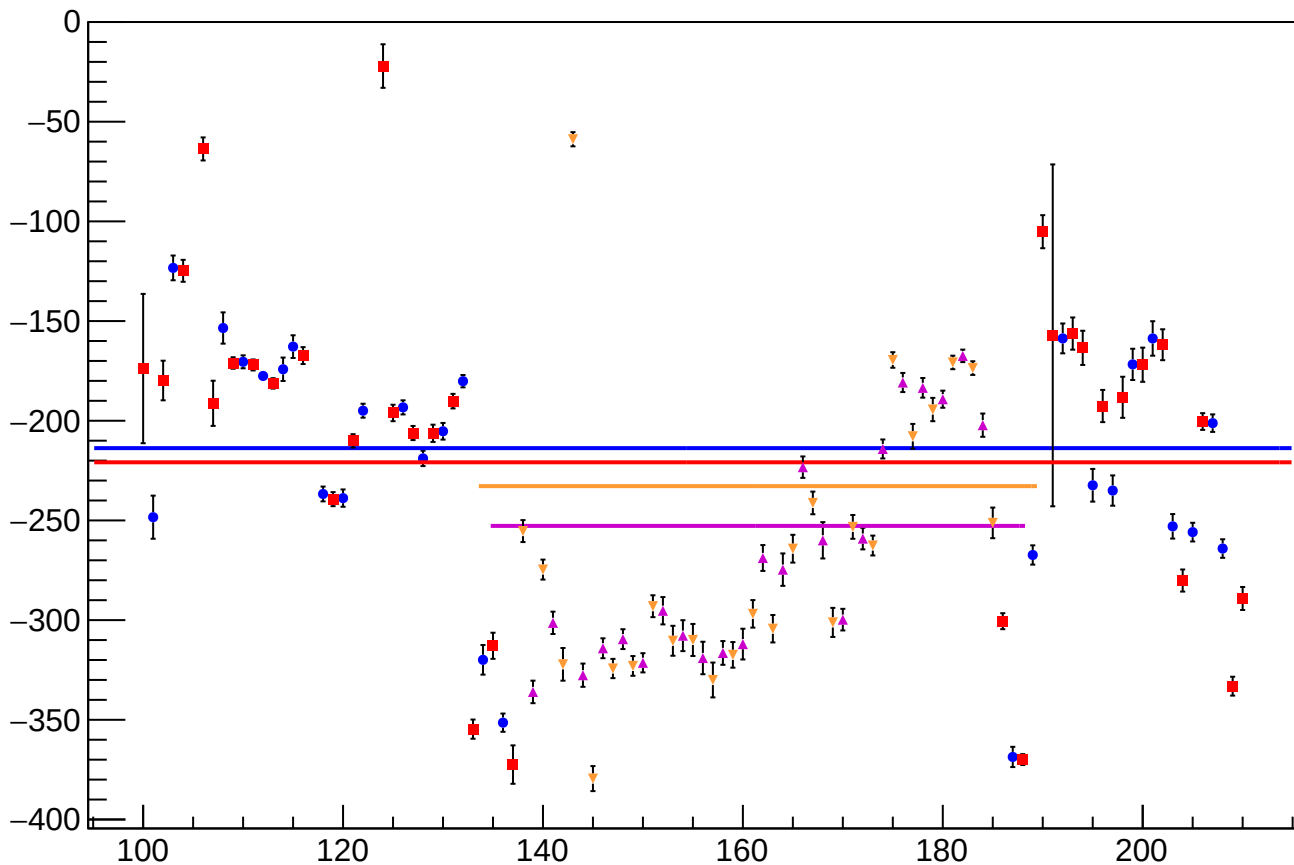
Left In: 117.225 $\pm$ 0.038 χ^2 /NDF: 10227.9/22

+ sign 121.928 $\pm$ 0.033 χ^2 /NDF: 278695.2/51

All: 118.617 $\pm$ 0.023 χ^2 /NDF: 1094340.9/107

- sign 115.432 $\pm$ 0.033 χ^2 /NDF: 796065.0/55

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -213.736 ± 0.882 χ^2/NDF : 3607.3/26

Left Out: -232.800 ± 1.072 χ^2/NDF : 5764.0/24

Right Out: -220.843 ± 0.813 χ^2/NDF : 8418.0/32

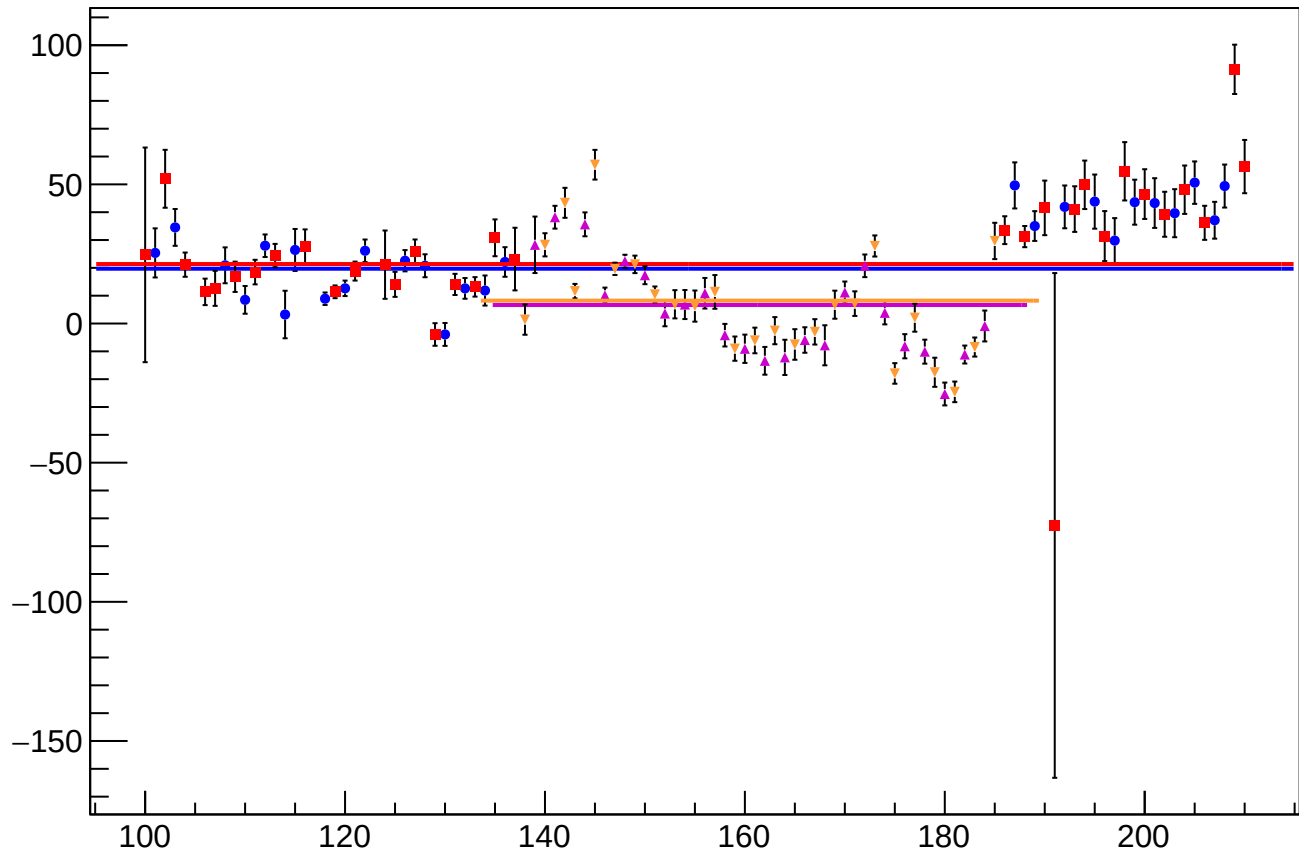
Left In: -252.738 ± 1.131 χ^2/NDF : 2913.9/22

+ sign -221.435 ± 0.681 χ^2/NDF : 9559.8/51

All: -226.735 ± 0.474 χ^2/NDF : 21533.6/107

- sign -231.712 ± 0.660 χ^2/NDF : 11856.4/55

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 19.692 ± 0.953 $\chi^2/\text{NDF}: 187.5/26$

Left Out: 8.222 ± 0.803 $\chi^2/\text{NDF}: 457.9/24$

Right Out: 21.377 ± 0.916 $\chi^2/\text{NDF}: 240.8/32$

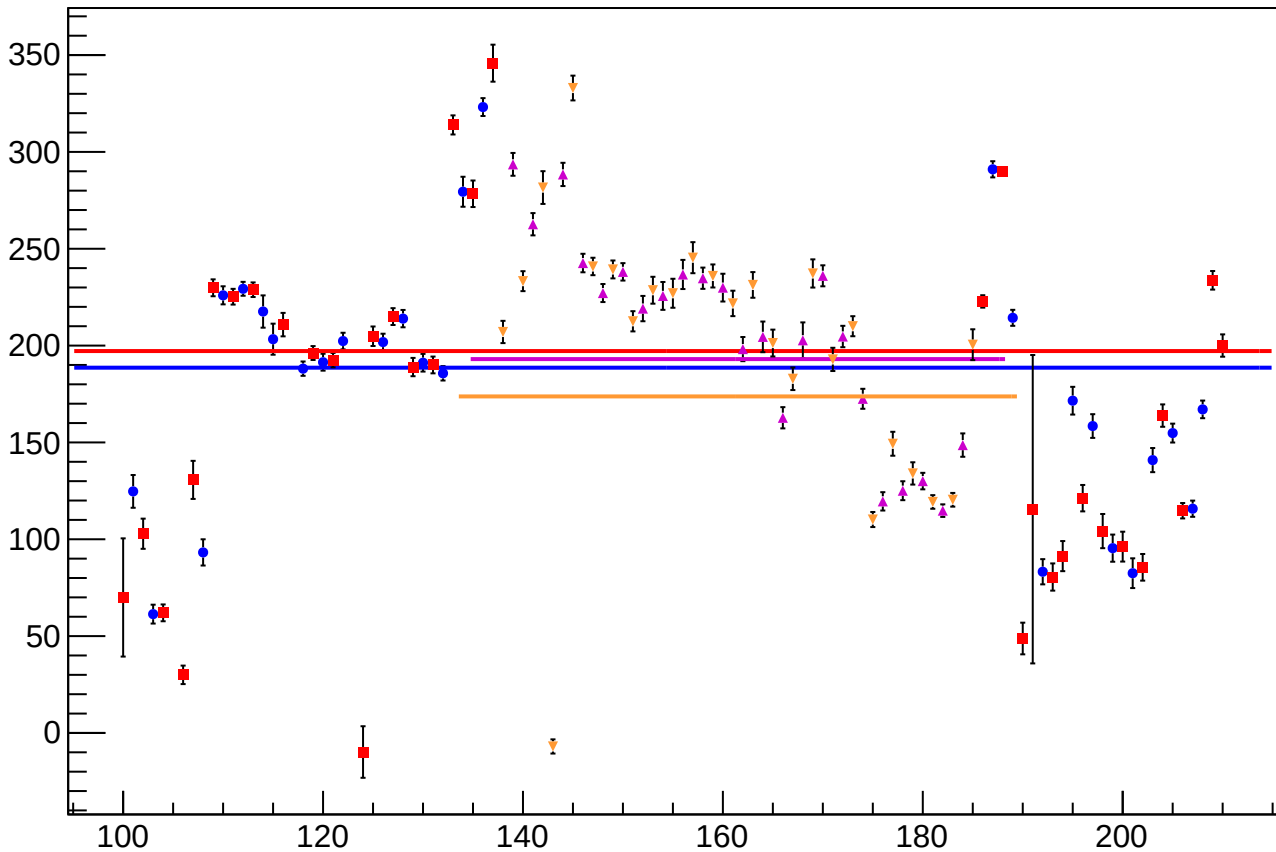
Left In: 6.657 ± 0.858 $\chi^2/\text{NDF}: 354.8/22$

+ sign 12.985 ± 0.614 $\chi^2/\text{NDF}: 730.2/51$

All: 13.255 ± 0.438 $\chi^2/\text{NDF}: 1463.6/107$

- sign 13.536 ± 0.626 $\chi^2/\text{NDF}: 733.0/55$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 188.594 ± 0.955 $\chi^2/\text{NDF}: 3921.4/26$

Left Out: 173.752 ± 1.069 $\chi^2/\text{NDF}: 5260.7/24$

Right Out: 197.178 ± 0.861 $\chi^2/\text{NDF}: 7609.5/32$

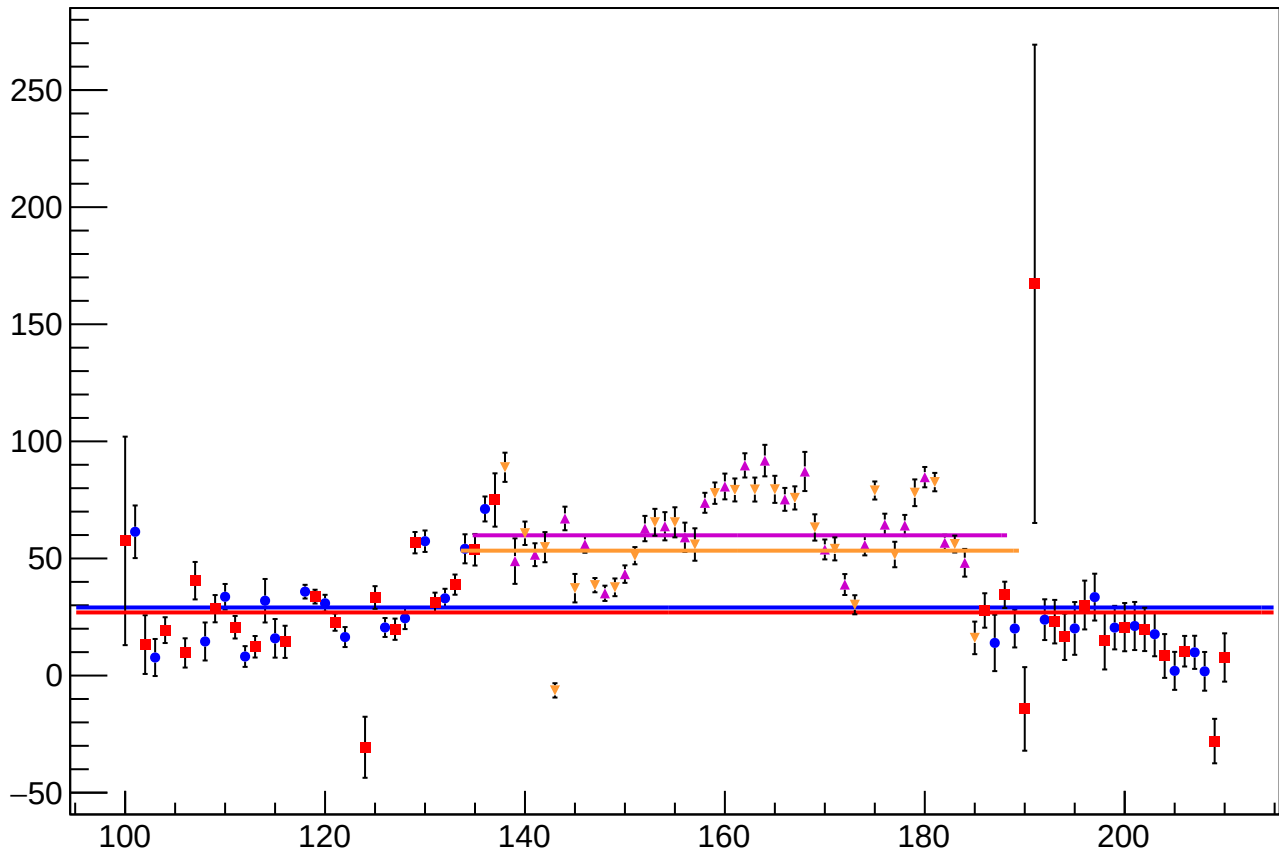
Left In: 193.026 ± 1.122 $\chi^2/\text{NDF}: 2512.0/22$

+ sign 182.002 ± 0.712 $\chi^2/\text{NDF}: 9289.3/51$

All: 189.106 ± 0.493 $\chi^2/\text{NDF}: 19610.6/107$

- sign 195.640 ± 0.683 $\chi^2/\text{NDF}: 10130.2/55$

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 29.070 $\pm$ 1.110 χ^2 /NDF: 218.2/26

Left Out: 53.331 $\pm$ 0.922 χ^2 /NDF: 778.9/24

Right Out: 26.951 $\pm$ 1.075 χ^2 /NDF: 204.2/32

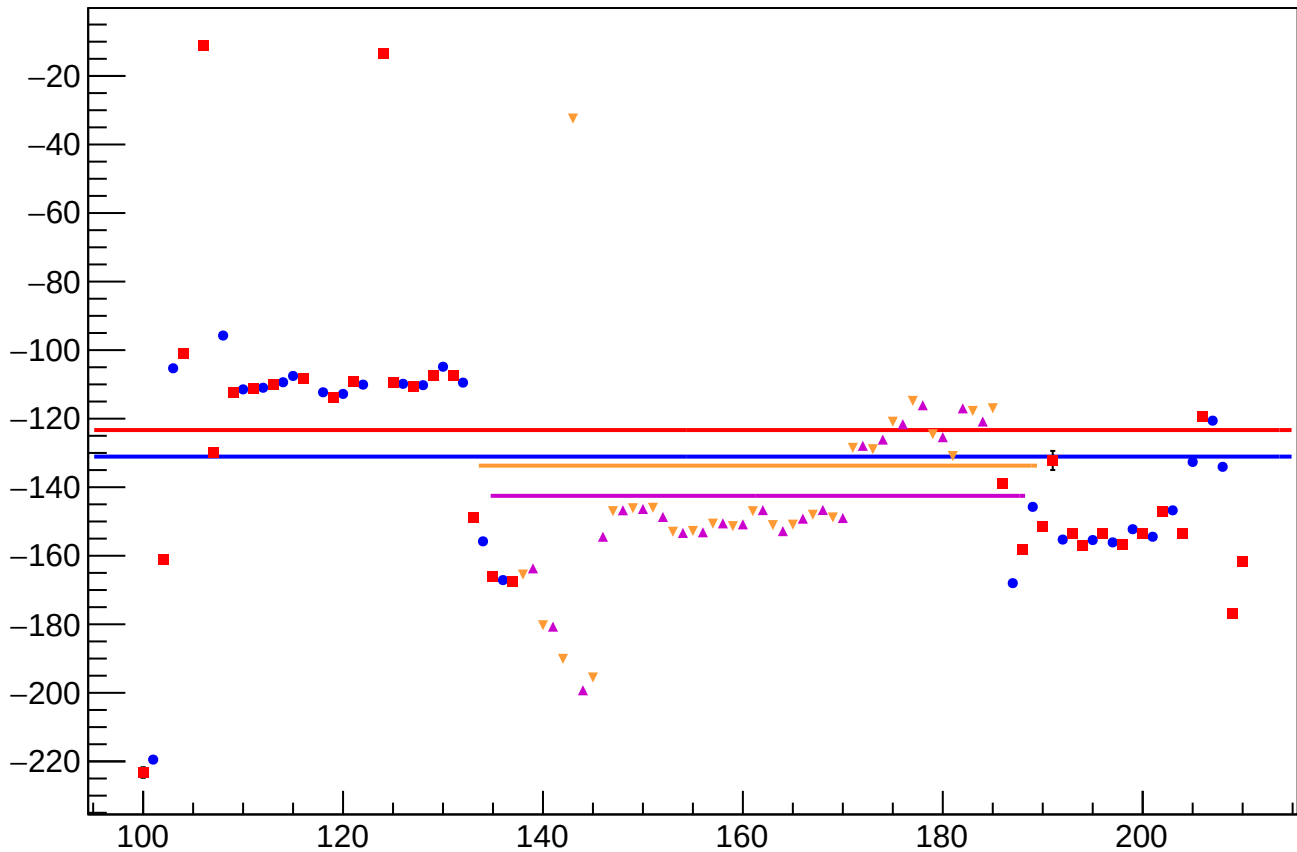
Left In: 59.887 $\pm$ 0.977 χ^2 /NDF: 251.2/22

+ sign 43.434 $\pm$ 0.709 χ^2 /NDF: 1279.8/51

All: 44.195 $\pm$ 0.506 χ^2 /NDF: 2251.9/107

- sign 44.986 $\pm$ 0.723 χ^2 /NDF: 969.7/55

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -131.070 ± 0.061 χ^2/NDF : 174632.8/26

Left Out: -133.709 ± 0.043 χ^2/NDF : 675925.6/24

Right Out: -123.325 ± 0.058 χ^2/NDF : 517537.0/32

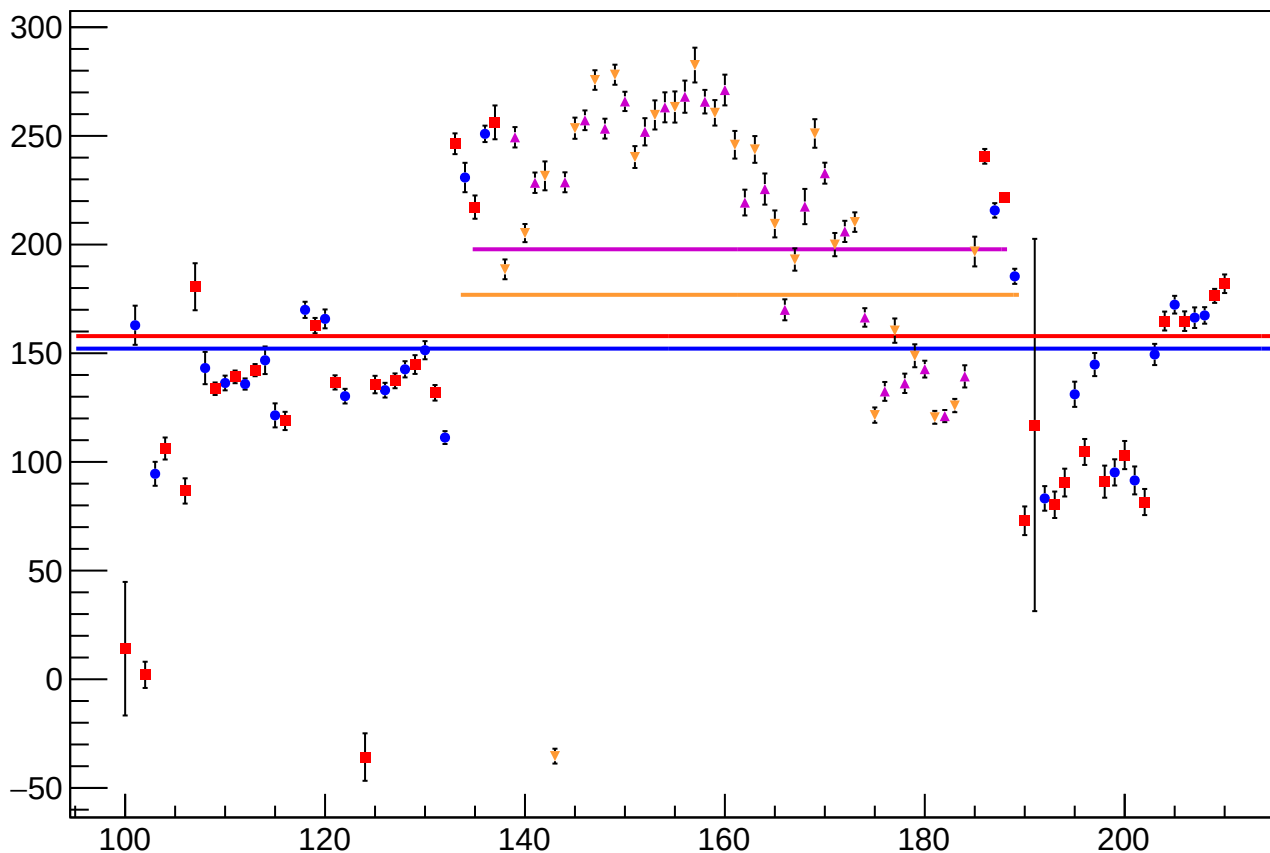
Left In: -142.518 ± 0.044 χ^2/NDF : 178481.1/22

+ sign -132.843 ± 0.035 χ^2/NDF : 851804.2/51

All: -134.122 ± 0.025 χ^2/NDF : 1619633.6/10

- sign -135.411 ± 0.035 χ^2/NDF : 765164.3/55

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 152.126 ± 0.808 χ^2/NDF : 2176.5/26

Left Out: 176.884 ± 0.958 χ^2/NDF : 7424.8/24

Right Out: 157.883 ± 0.723 χ^2/NDF : 5072.8/32

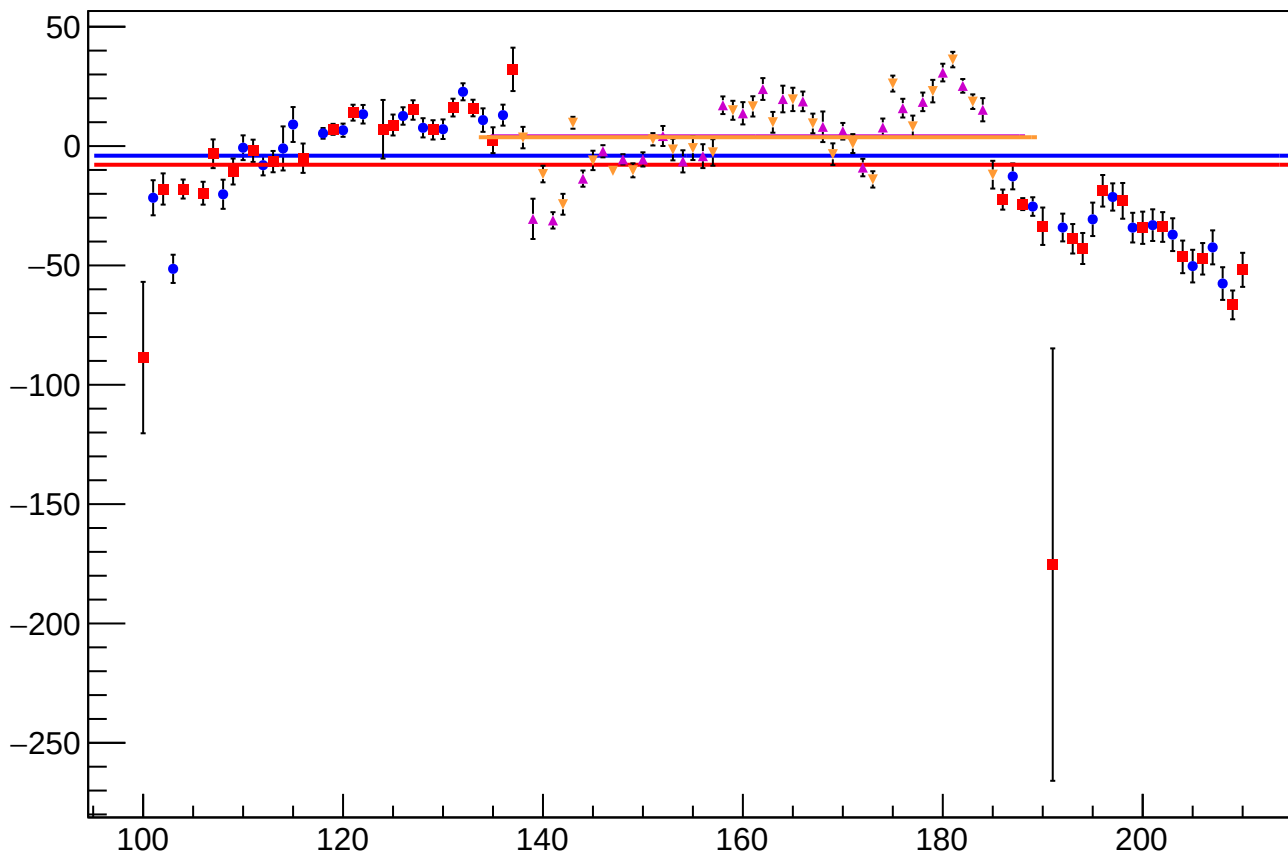
Left In: 197.829 ± 1.006 χ^2/NDF : 2968.0/22

+ sign 162.428 ± 0.618 χ^2/NDF : 9991.6/51

All: 167.188 ± 0.426 χ^2/NDF : 19184.7/107

- sign 171.491 ± 0.587 χ^2/NDF : 9080.1/55

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.029 ± 0.886 χ^2/NDF : 535.8/26

Left Out: 3.708 ± 0.723 χ^2/NDF : 400.9/24

Right Out: -7.822 ± 0.834 χ^2/NDF : 644.8/32

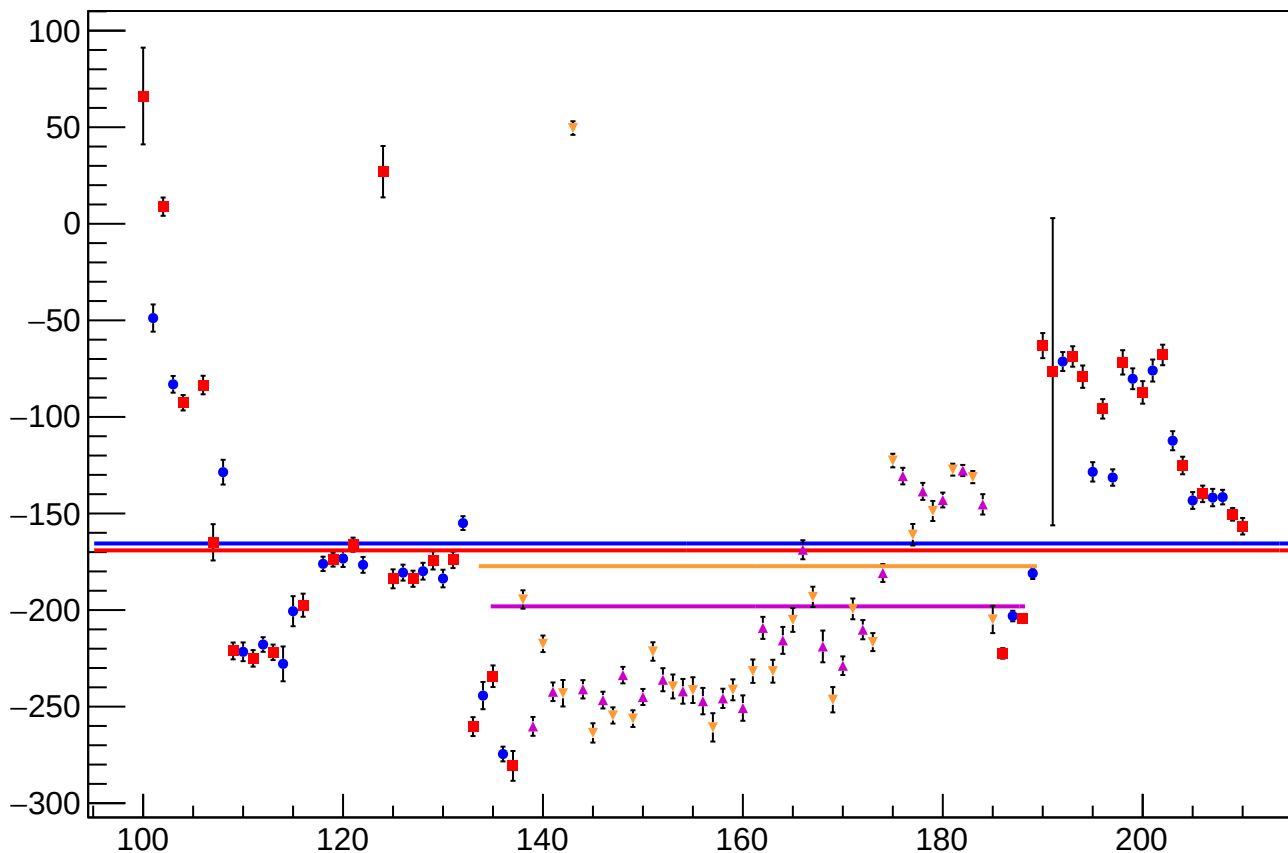
Left In: 4.102 ± 0.769 χ^2/NDF : 398.9/22

+ sign 0.615 ± 0.560 χ^2/NDF : 982.4/51

All: -0.373 ± 0.398 χ^2/NDF : 2143.0/107

- sign -1.378 ± 0.565 χ^2/NDF : 1154.3/55

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -165.530 ± 0.840 χ^2/NDF : 3482.8/26

Left Out: -177.283 ± 0.956 χ^2/NDF : 7040.0/24

Right Out: -169.100 ± 0.725 χ^2/NDF : 6692.6/32

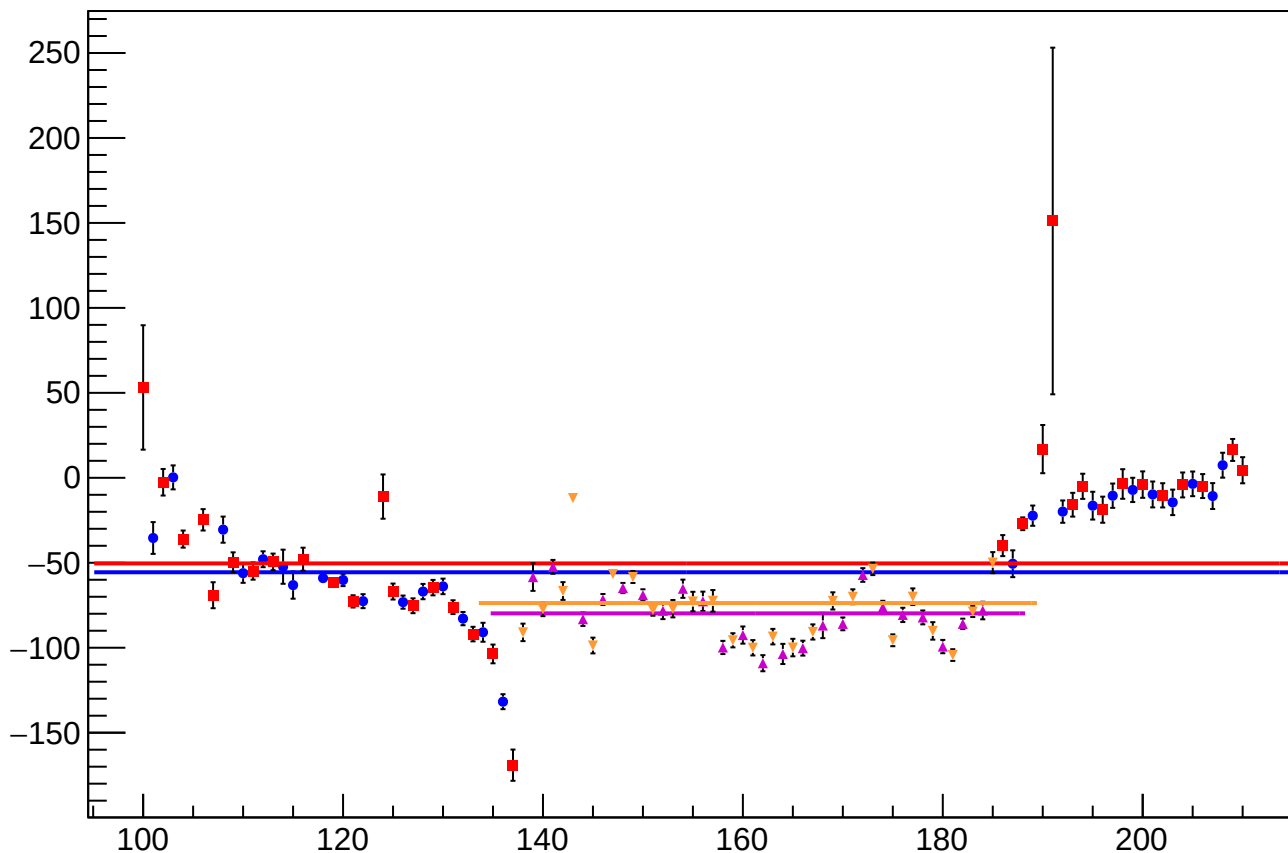
Left In: -198.088 ± 1.000 χ^2/NDF : 2386.2/22

+ sign -170.650 ± 0.631 χ^2/NDF : 10608.1/51

All: -175.172 ± 0.430 χ^2/NDF : 20333.5/107

- sign -179.084 ± 0.587 χ^2/NDF : 9629.6/55

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -55.591 ± 1.038 χ^2/NDF : 916.0/26

Left Out: -73.706 ± 0.829 χ^2/NDF : 839.6/24

Right Out: -50.378 ± 0.989 χ^2/NDF : 1070.0/32

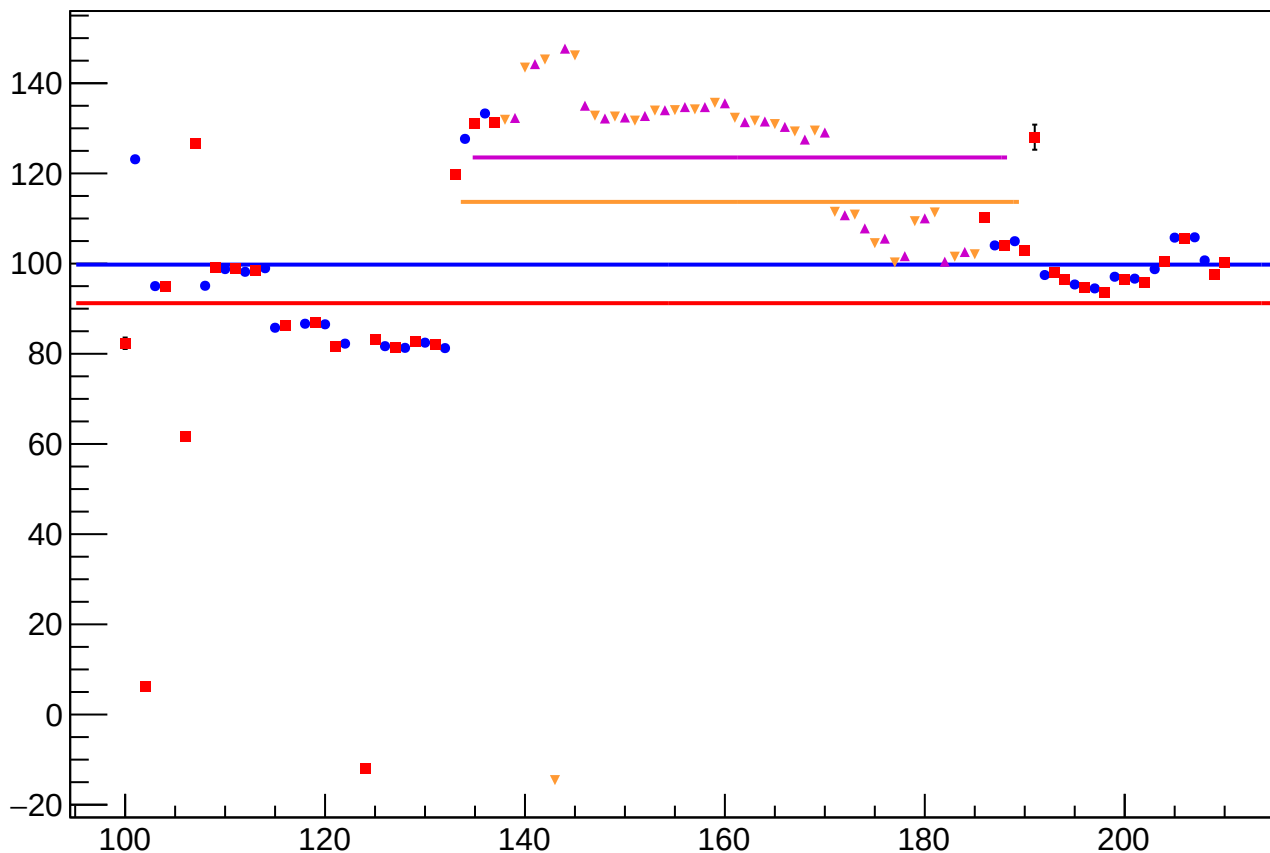
Left In: -79.777 ± 0.874 χ^2/NDF : 277.1/22

+ sign -66.653 ± 0.648 χ^2/NDF : 1941.5/51

All: -66.771 ± 0.461 χ^2/NDF : 3784.6/107

- sign -66.893 ± 0.655 χ^2/NDF : 1843.0/55

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.775 +/- 0.054 χ^2/NDF : 70049.1/26

Left Out: 113.687 +/- 0.038 χ^2/NDF : 963156.9/24

Right Out: 91.223 +/- 0.050 χ^2/NDF : 288881.7/32

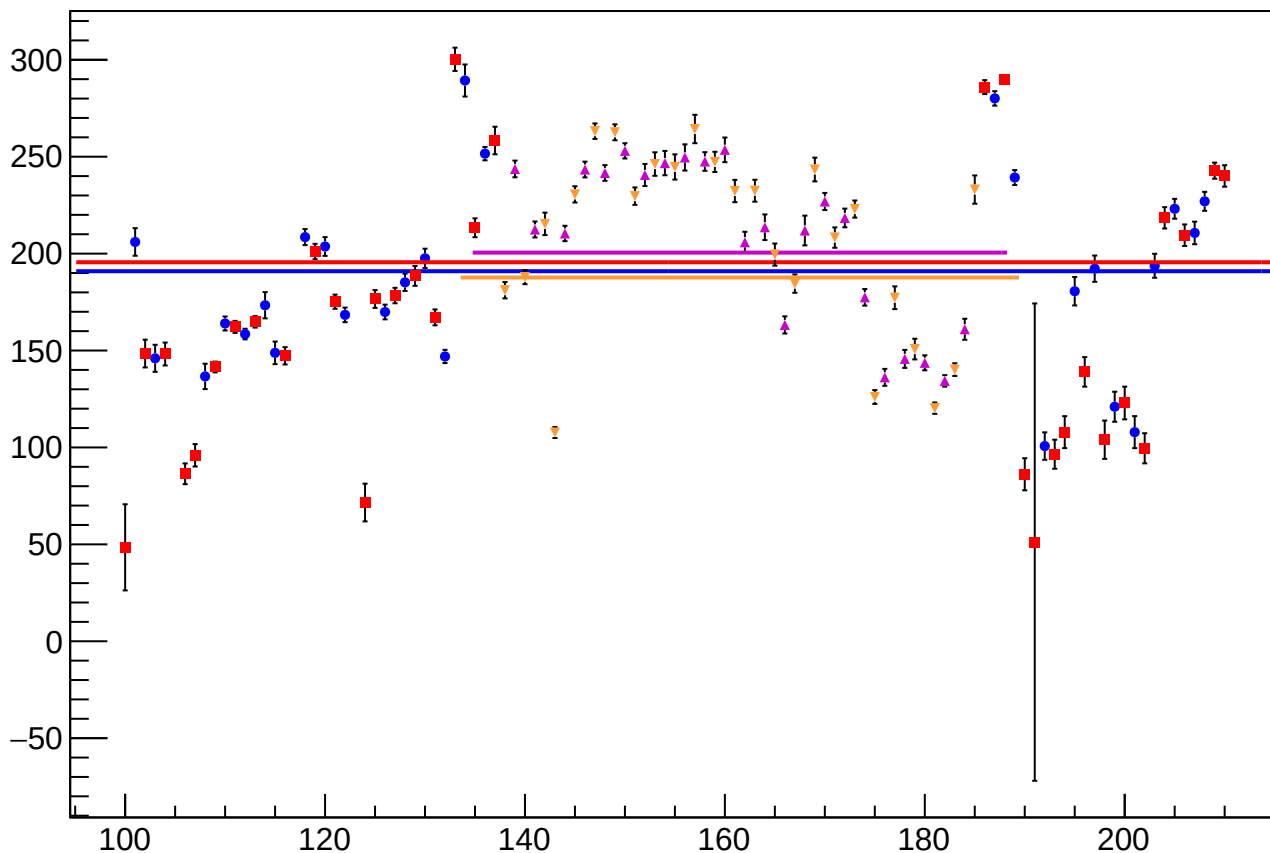
Left In: 123.538 +/- 0.040 χ^2/NDF : 134613.3/22

+ sign 108.985 +/- 0.031 χ^2/NDF : 1077657.8/51

All: 109.983 +/- 0.022 χ^2/NDF : 1762053.9/107

- sign 110.965 +/- 0.031 χ^2/NDF : 682369.6/55

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 190.920 ± 0.910 χ^2/NDF : 2258.9/26

Left Out: 187.681 ± 0.898 χ^2/NDF : 3528.3/24

Right Out: 195.547 ± 0.802 χ^2/NDF : 6210.6/32

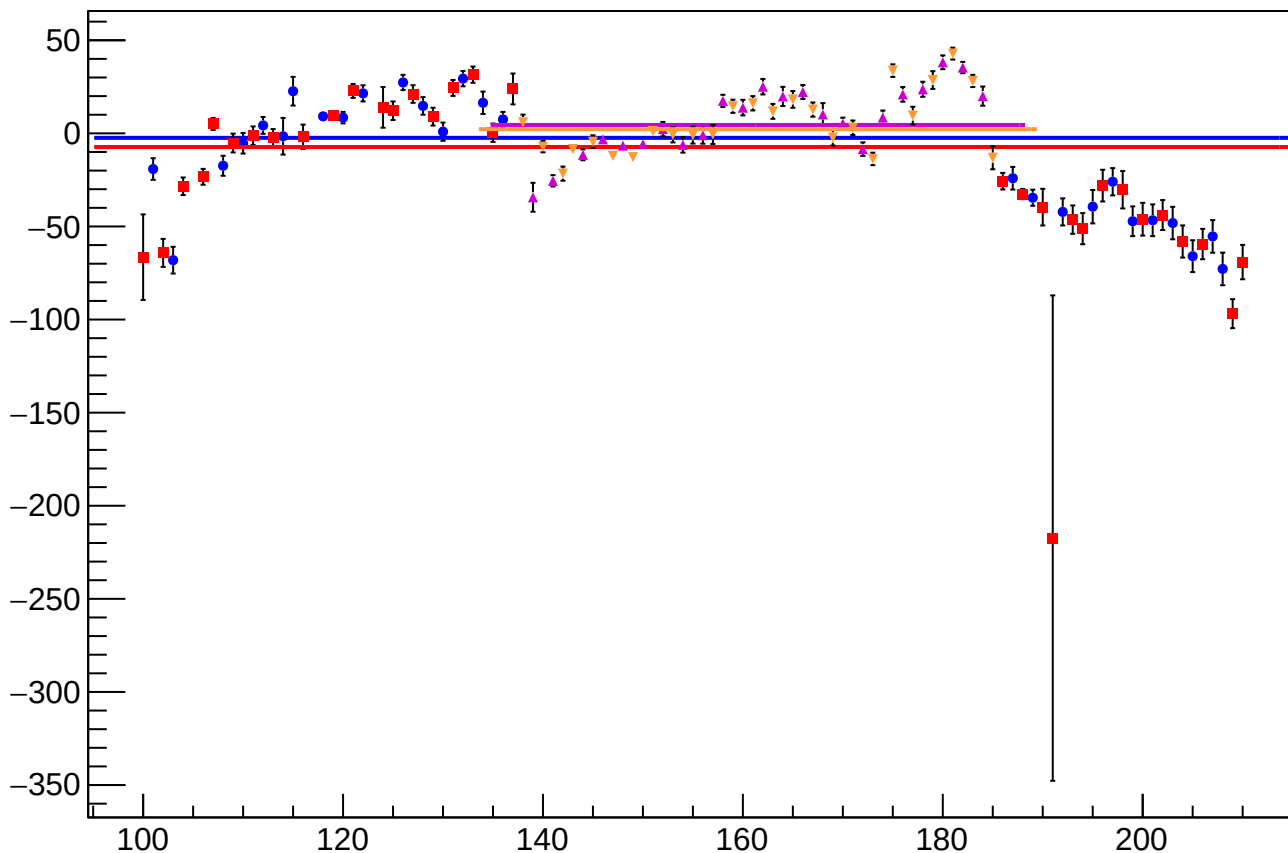
Left In: 200.521 ± 0.955 χ^2/NDF : 2111.4/22

+ sign 189.278 ± 0.639 χ^2/NDF : 5793.6/51

All: 193.605 ± 0.443 χ^2/NDF : 14219.8/107

- sign 197.604 ± 0.614 χ^2/NDF : 8337.9/55

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.408 ± 0.990 χ^2/NDF : 687.2/26

Left Out: 2.245 ± 0.665 χ^2/NDF : 600.9/24

Right Out: -7.331 ± 0.906 χ^2/NDF : 914.9/32

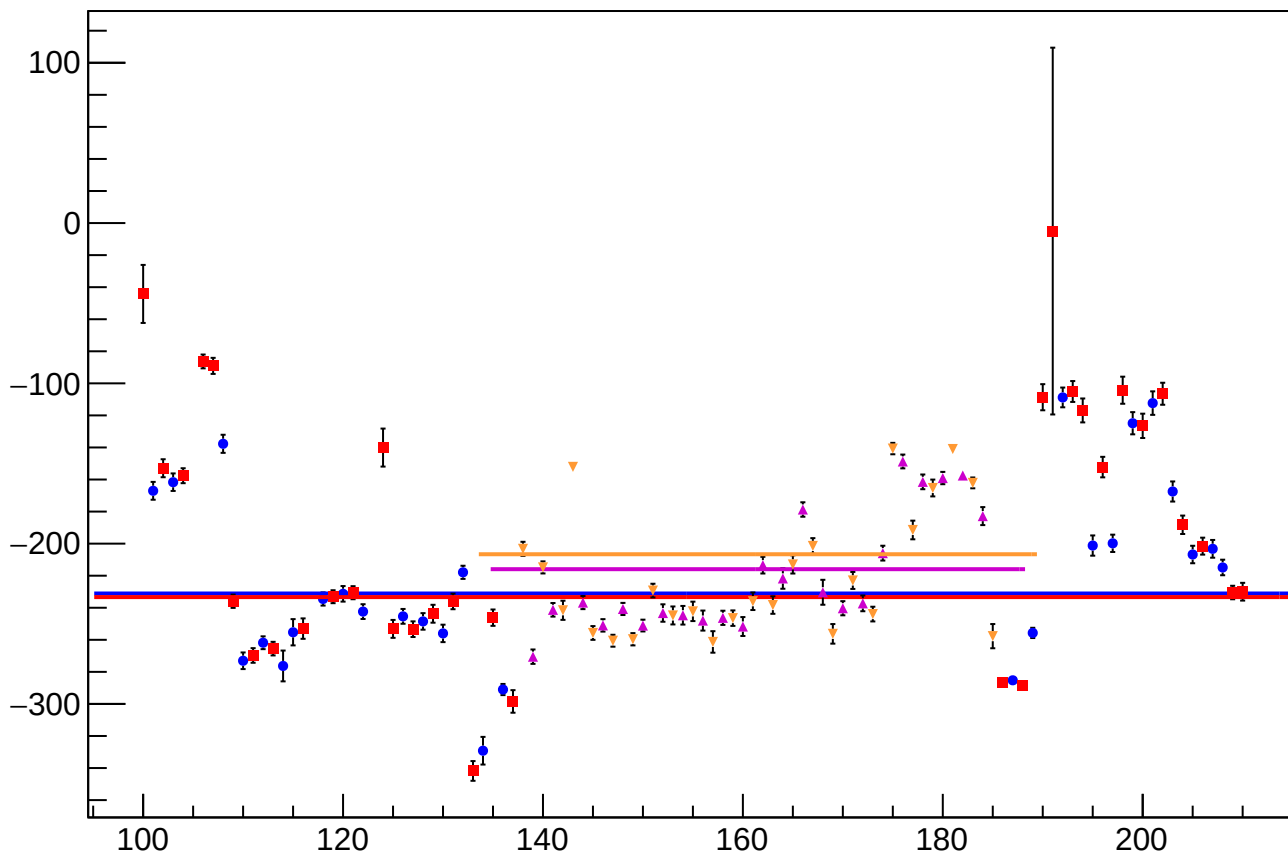
Left In: 4.513 ± 0.714 χ^2/NDF : 547.1/22

+ sign 0.800 ± 0.552 χ^2/NDF : 1303.3/51

All: 0.392 ± 0.393 χ^2/NDF : 2871.9/107

- sign -0.029 ± 0.561 χ^2/NDF : 1567.5/55

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -231.112 $\pm$ 0.950 χ^2 /NDF: 2683.1/26

Left Out: -206.617 $\pm$ 0.895 χ^2 /NDF: 2467.8/24

Right Out: -233.354 $\pm$ 0.808 χ^2 /NDF: 6660.2/32

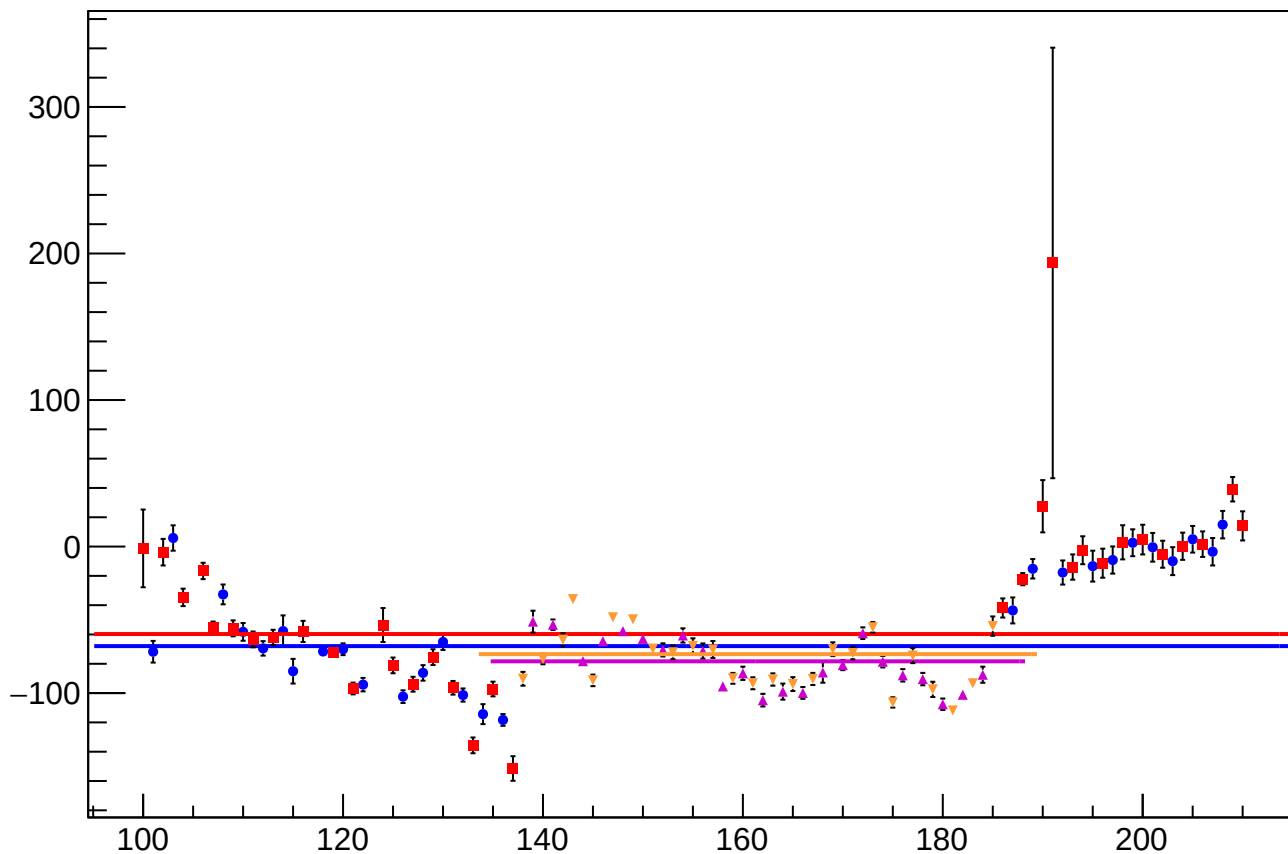
Left In: -215.938 $\pm$ 0.946 χ^2 /NDF: 1711.9/22

+ sign -218.127 $\pm$ 0.651 χ^2 /NDF: 5503.0/51

All: -222.294 $\pm$ 0.447 χ^2 /NDF: 14148.3/107

- sign -226.004 $\pm$ 0.615 χ^2 /NDF: 8568.0/55

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -67.939 ± 1.160 $\chi^2/\text{NDF}: 985.5/26$

Left Out: -73.426 ± 0.767 $\chi^2/\text{NDF}: 836.6/24$

Right Out: -59.707 ± 1.079 $\chi^2/\text{NDF}: 1323.1/32$

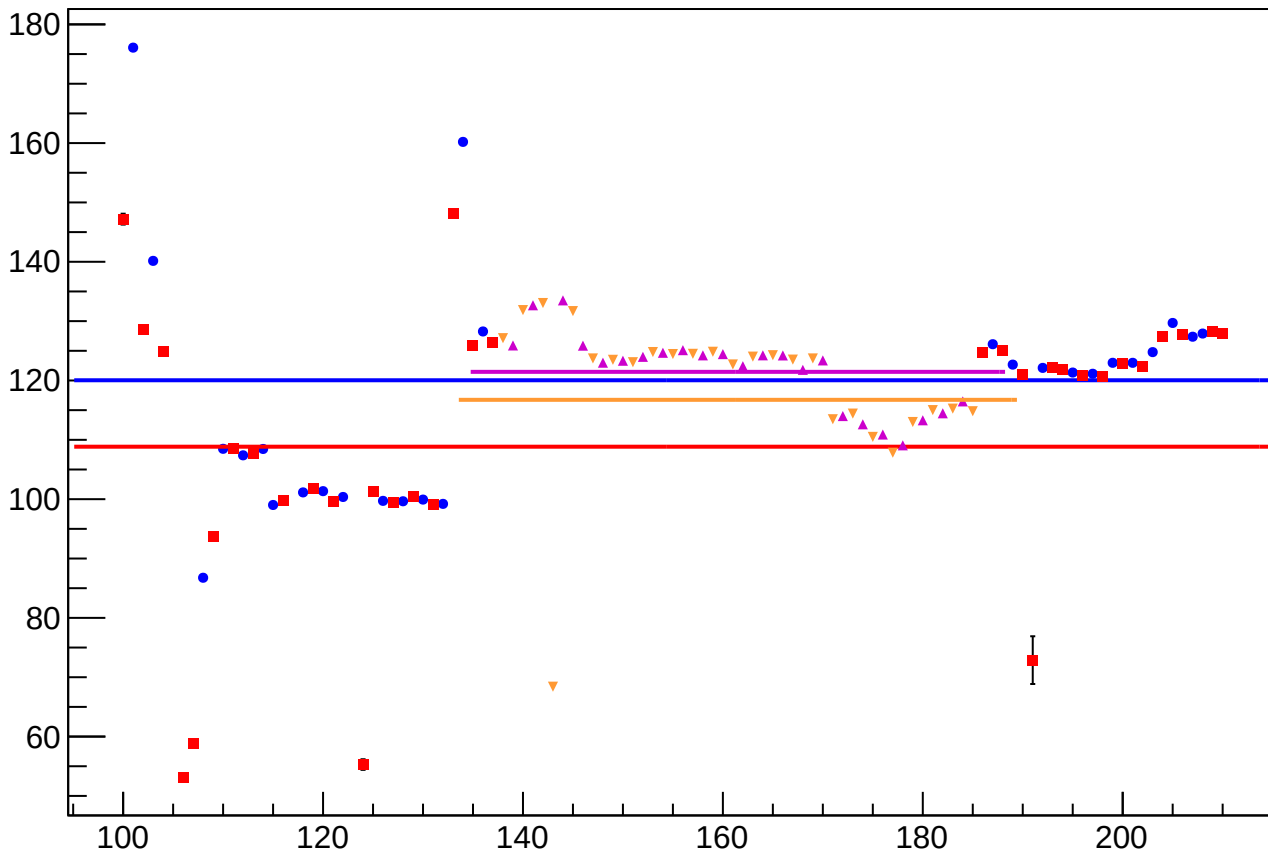
Left In: -78.329 ± 0.817 $\chi^2/\text{NDF}: 443.2/22$

+ sign -71.757 ± 0.640 $\chi^2/\text{NDF}: 1837.6/51$

All: -71.652 ± 0.457 $\chi^2/\text{NDF}: 3793.2/107$

- sign -71.542 ± 0.652 $\chi^2/\text{NDF}: 1955.5/55$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 120.037 $\pm$ 0.061 χ^2 /NDF: 98387.5/26

Left Out: 116.740 $\pm$ 0.036 χ^2 /NDF:203650.9/24

Right Out: 108.843 $\pm$ 0.055 χ^2 /NDF: 212221.7/32

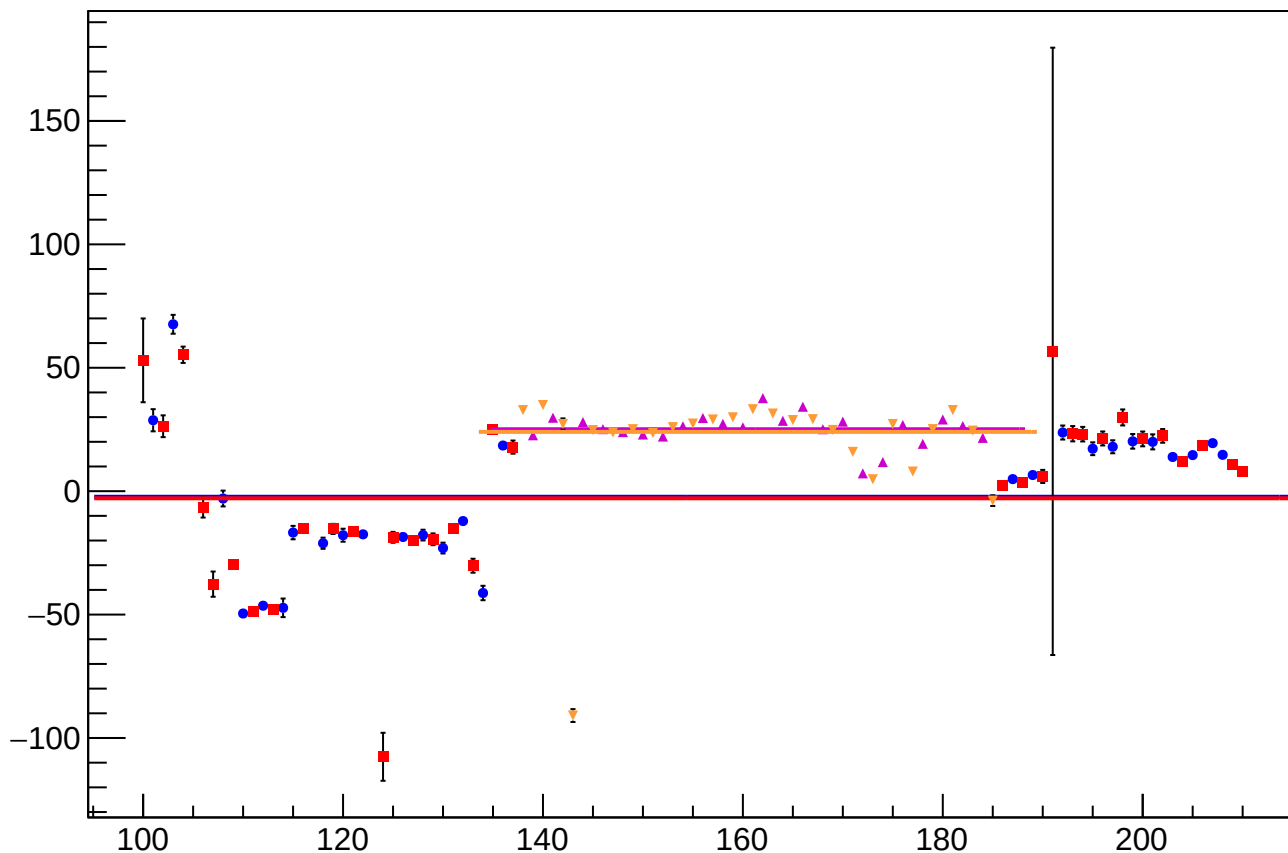
Left In: 121.455 $\pm$ 0.037 χ^2 /NDF:28796.4/22

+ sign 117.581 $\pm$ 0.031 χ^2 /NDF: 304199.0/51

All: 117.544 $\pm$ 0.022 χ^2 /NDF: 581079.2/107

- sign 117.506 $\pm$ 0.031 χ^2 /NDF: 276877.3/55

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -2.265 ± 0.404 χ^2/NDF : 3559.9/26

Left Out: 24.025 ± 0.282 χ^2/NDF : 2802.2/24

Right Out: -2.885 ± 0.364 χ^2/NDF : 3872.1/32

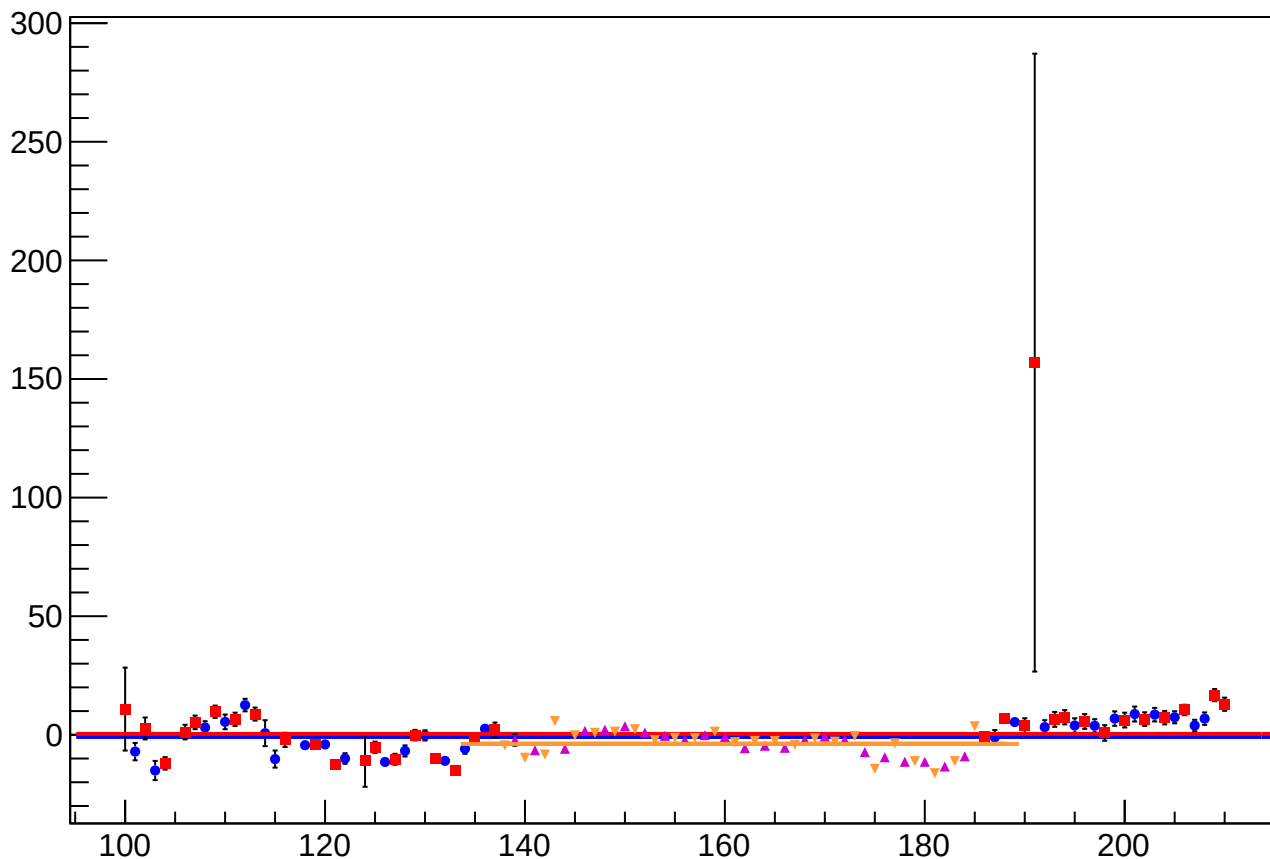
Left In: 25.089 ± 0.287 χ^2/NDF : 495.3/22

+ sign 15.410 ± 0.231 χ^2/NDF : 9209.7/51

All: 14.864 ± 0.161 χ^2/NDF : 17231.7/107

- sign 14.345 ± 0.225 χ^2/NDF : 8011.0/55

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.894 ± 0.458 χ^2/NDF : 215.2/26

Left Out: -3.845 ± 0.218 χ^2/NDF : 649.4/24

Right Out: 0.379 ± 0.432 χ^2/NDF : 346.6/32

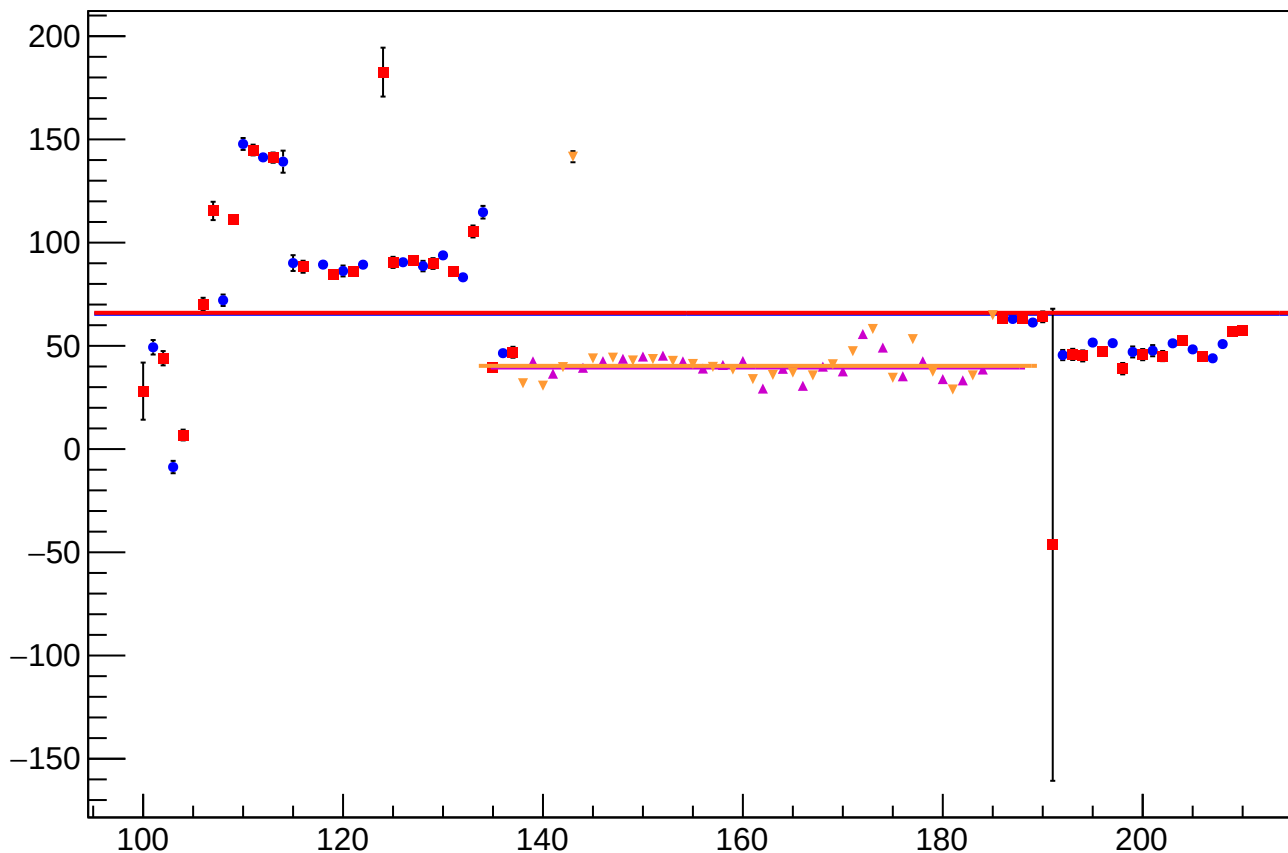
Left In: -3.780 ± 0.224 χ^2/NDF : 509.8/22

+ sign -3.301 ± 0.197 χ^2/NDF : 898.4/51

All: -3.104 ± 0.140 χ^2/NDF : 1829.8/107

- sign -2.902 ± 0.199 χ^2/NDF : 929.4/55

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 65.520 $\pm$ 0.413 χ^2 /NDF: 4603.8/26

Left Out: 40.315 $\pm$ 0.280 χ^2 /NDF: 2182.8/24

Right Out: 66.007 $\pm$ 0.361 χ^2 /NDF: 4826.8/32

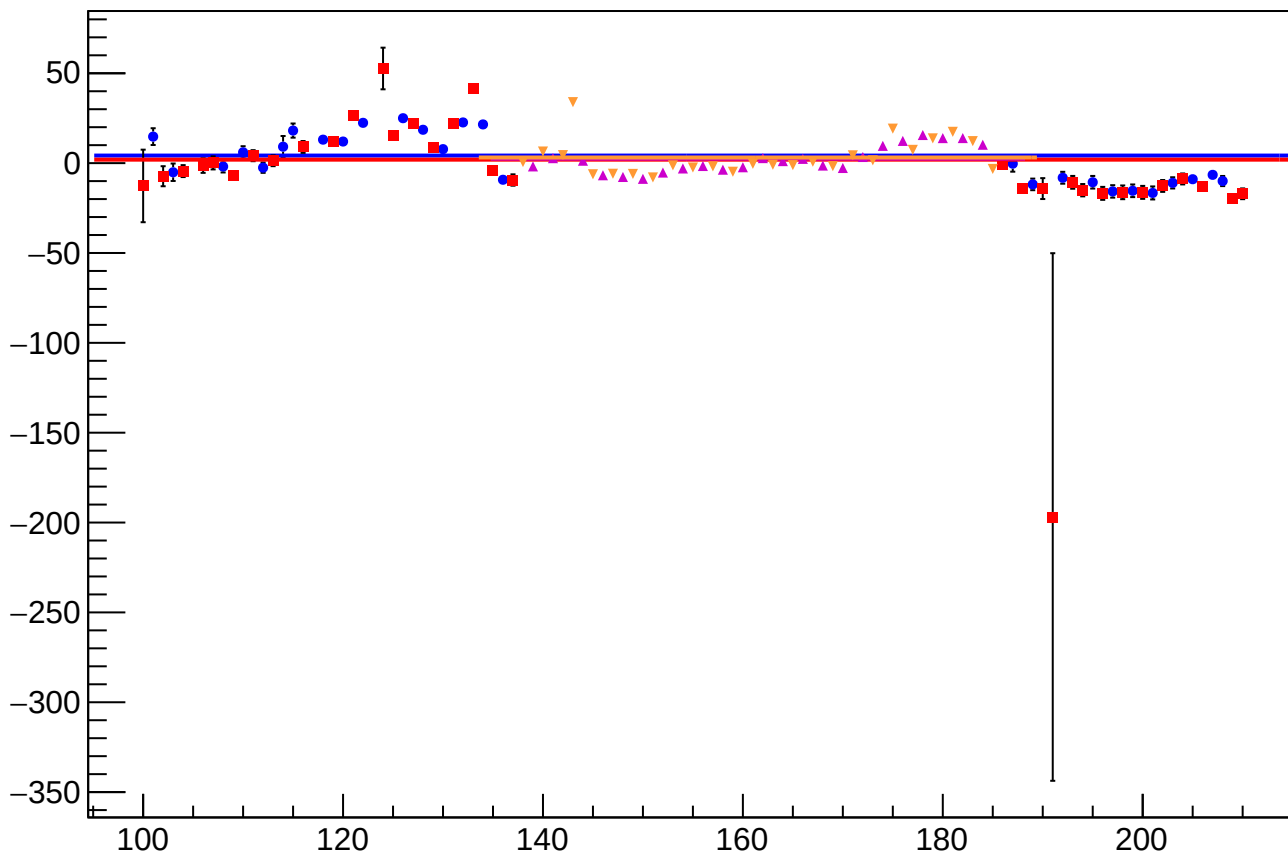
Left In: 39.504 $\pm$ 0.285 χ^2 /NDF: 432.1/22

+ sign 48.252 $\pm$ 0.232 χ^2 /NDF: 9335.6/51

All: 48.988 $\pm$ 0.161 χ^2 /NDF: 17937.8/107

- sign 49.671 $\pm$ 0.224 χ^2 /NDF: 8582.8/55

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 4.209 $\pm$ 0.525 χ^2 /NDF: 701.1/26

Left Out: 3.142 $\pm$ 0.245 χ^2 /NDF:1267.0/24

Right Out: 1.931 $\pm$ 0.508 χ^2 /NDF: 1001.3/32

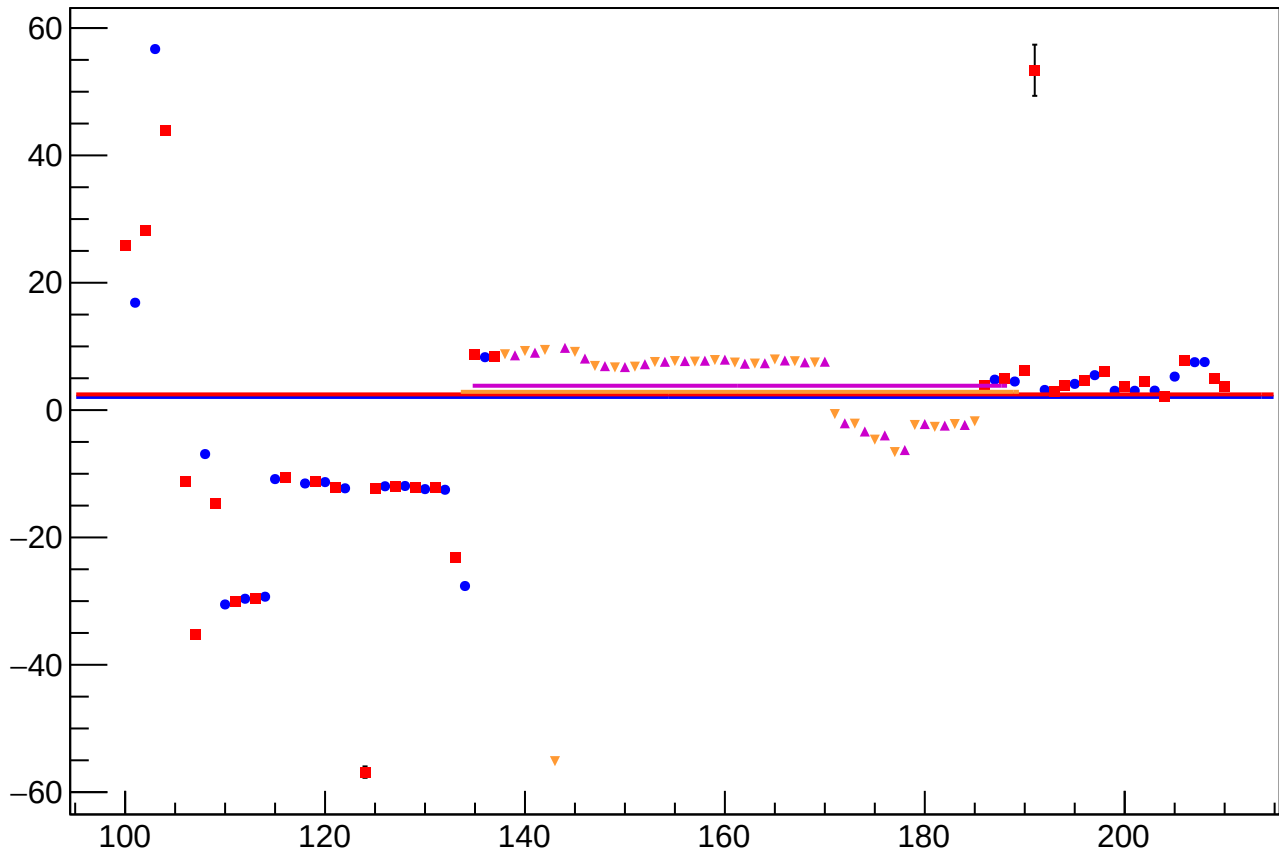
Left In: 2.519 $\pm$ 0.251 χ^2 /NDF:968.2/22

+ sign 3.333 $\pm$ 0.222 χ^2 /NDF: 1971.5/51

All: 2.874 $\pm$ 0.158 χ^2 /NDF: 3950.6/107

- sign 2.403 $\pm$ 0.225 χ^2 /NDF: 1970.5/55

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 2.068 ± 0.025 χ^2/NDF : 382350.7/26

Left Out: 2.870 ± 0.011 χ^2/NDF : 512331.0/24

Right Out: 2.465 ± 0.024 χ^2/NDF : 330670.8/32

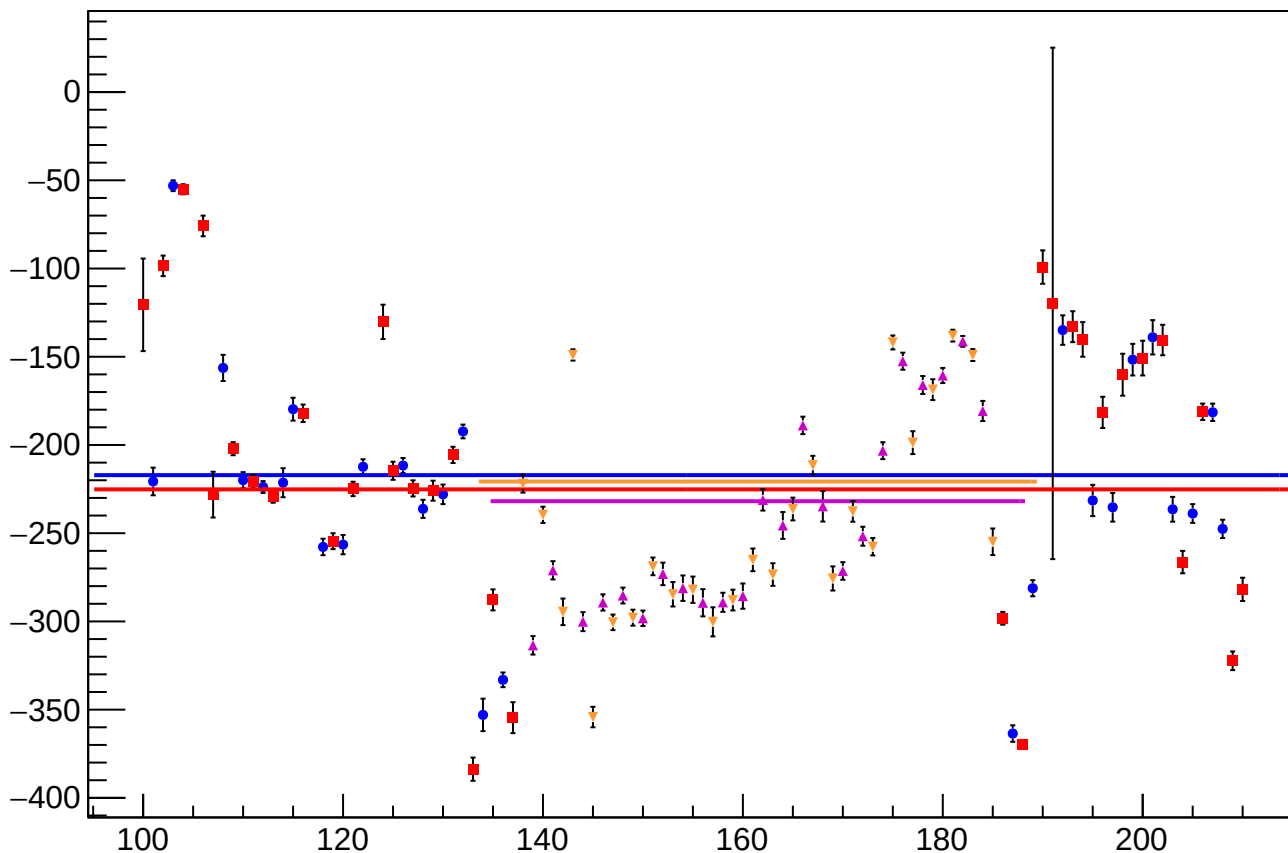
Left In: 3.825 ± 0.011 χ^2/NDF : 233224.7/22

+ sign 2.739 ± 0.010 χ^2/NDF : 895552.2/51

All: 3.162 ± 0.007 χ^2/NDF : 1465616.4/107

- sign 3.589 ± 0.010 χ^2/NDF : 566504.1/55

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -217.092 $\pm$ 0.997 χ^2 /NDF: 5658.2/26

Left Out: -220.723 $\pm$ 1.018 χ^2 /NDF:4052.2/24

Right Out: -225.158 $\pm$ 0.899 χ^2 /NDF: 10687.7/32

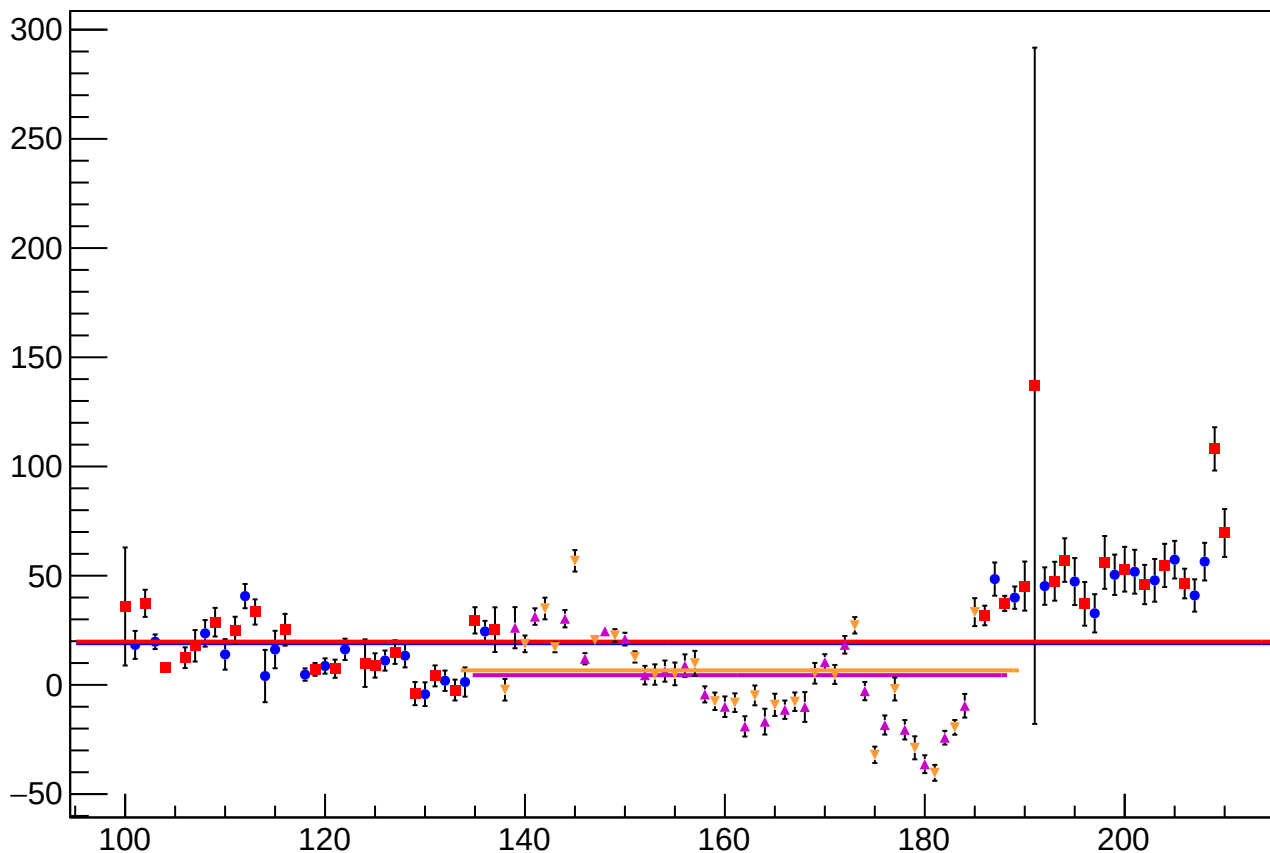
Left In: -231.871 $\pm$ 1.077 χ^2 /NDF:3160.3/22

+ sign -218.870 $\pm$ 0.713 χ^2 /NDF: 9716.9/51

All: -223.537 $\pm$ 0.496 χ^2 /NDF: 23671.0/107

- sign -227.914 $\pm$ 0.690 χ^2 /NDF: 13871.0/55

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 19.092 $\pm$ 1.079 χ^2 /NDF: 225.8/26

Left Out: 6.643 $\pm$ 0.752 χ^2 /NDF: 735.0/24

Right Out: 19.803 $\pm$ 0.977 χ^2 /NDF: 355.7/32

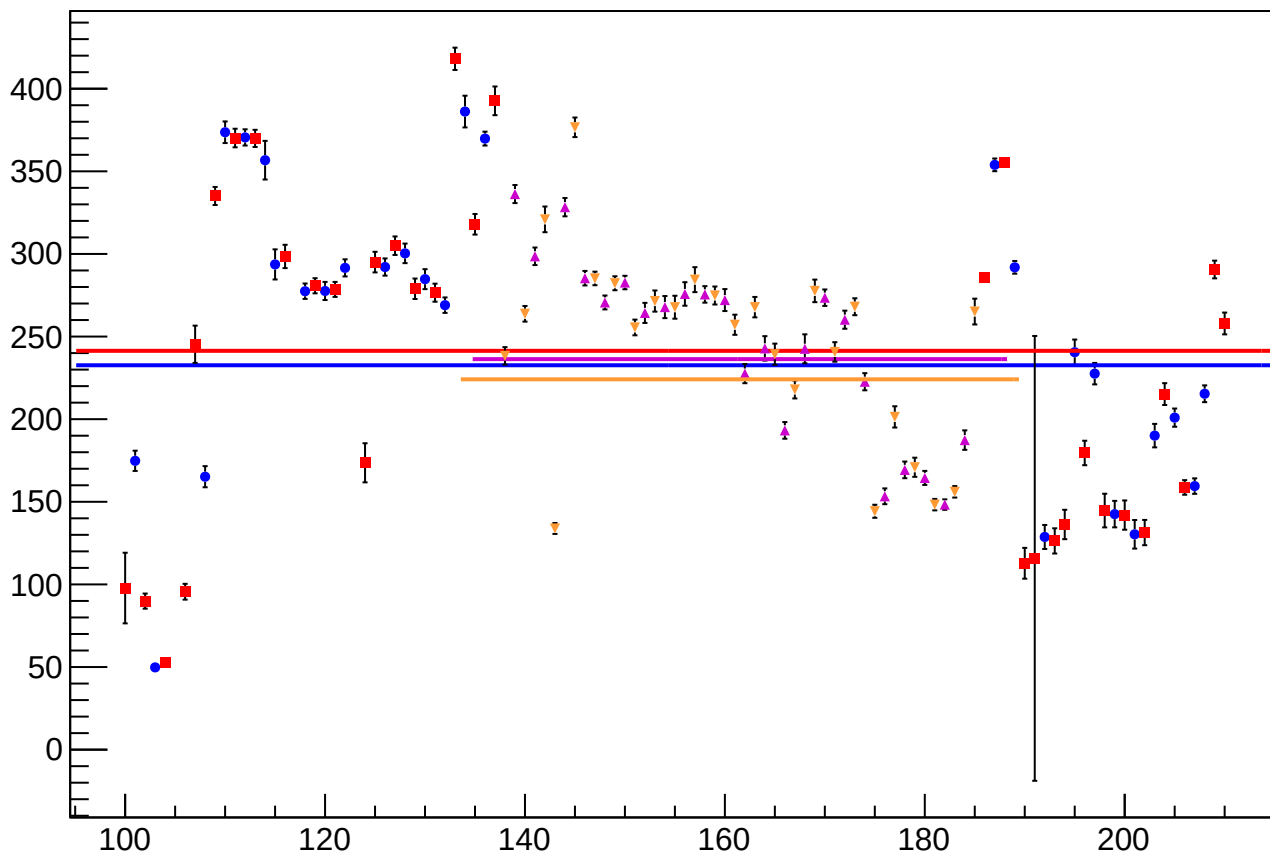
Left In: 4.447 $\pm$ 0.807 χ^2 /NDF: 567.1/22

+ sign 10.718 $\pm$ 0.617 χ^2 /NDF: 1050.4/51

All: 10.697 $\pm$ 0.438 χ^2 /NDF: 2120.0/107

- sign 10.676 $\pm$ 0.622 χ^2 /NDF: 1069.6/55

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 232.630 $\pm$ 1.004 χ^2 /NDF: 11409.5/26

Left Out: 224.123 $\pm$ 1.014 χ^2 /NDF: 3966.6/24

Right Out: 241.366 $\pm$ 0.878 χ^2 /NDF: 17061.7/32

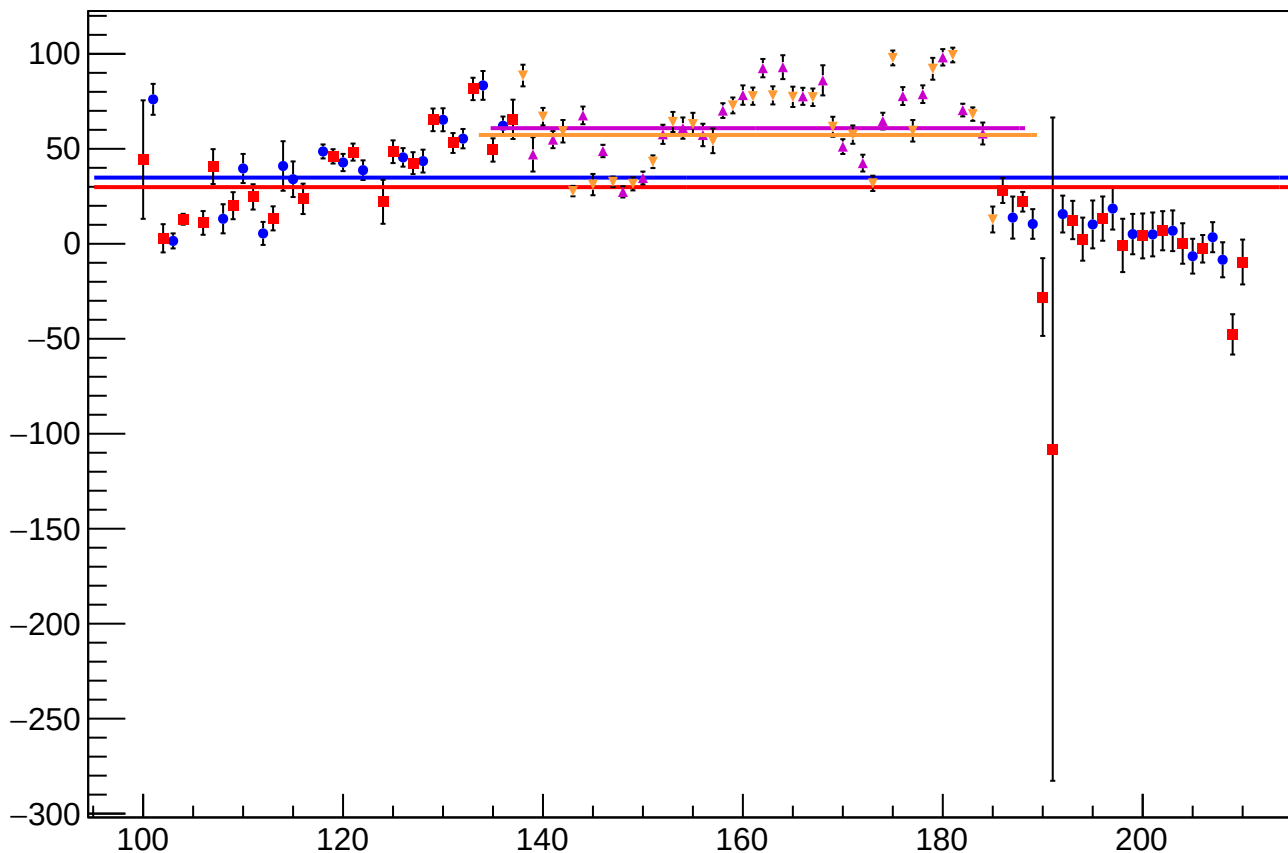
Left In: 236.342 $\pm$ 1.066 χ^2 /NDF: 2992.9/22

+ sign 228.416 $\pm$ 0.713 χ^2 /NDF: 15411.7/51

All: 234.157 $\pm$ 0.491 χ^2 /NDF: 35602.8/107

- sign 239.337 $\pm$ 0.678 χ^2 /NDF: 20067.9/55

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 34.844 ± 1.264 $\chi^2/\text{NDF}: 369.7/26$

Left Out: 57.288 ± 0.868 $\chi^2/\text{NDF}: 767.9/24$

Right Out: 29.830 ± 1.171 $\chi^2/\text{NDF}: 401.4/32$

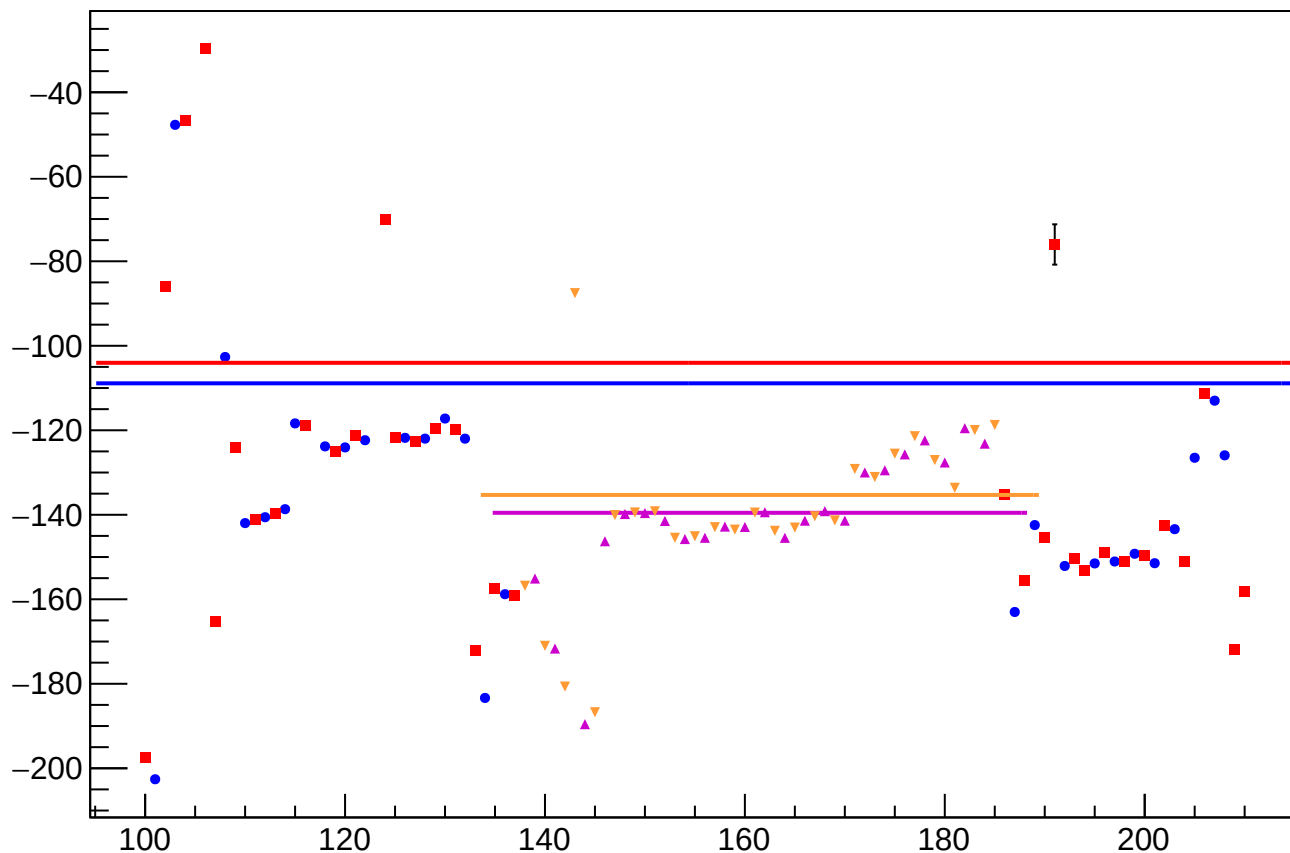
Left In: 60.877 ± 0.923 $\chi^2/\text{NDF}: 454.7/22$

+ sign 50.093 ± 0.715 $\chi^2/\text{NDF}: 1351.9/51$

All: 49.544 ± 0.509 $\chi^2/\text{NDF}: 2643.1/107$

- sign 48.982 ± 0.725 $\chi^2/\text{NDF}: 1290.1/55$

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -108.884 ± 0.058 χ^2/NDF : 664700.3/26

Left Out: -135.305 ± 0.041 χ^2/NDF : 262874.5/24

Right Out: -104.030 ± 0.056 χ^2/NDF : 749068.0/32

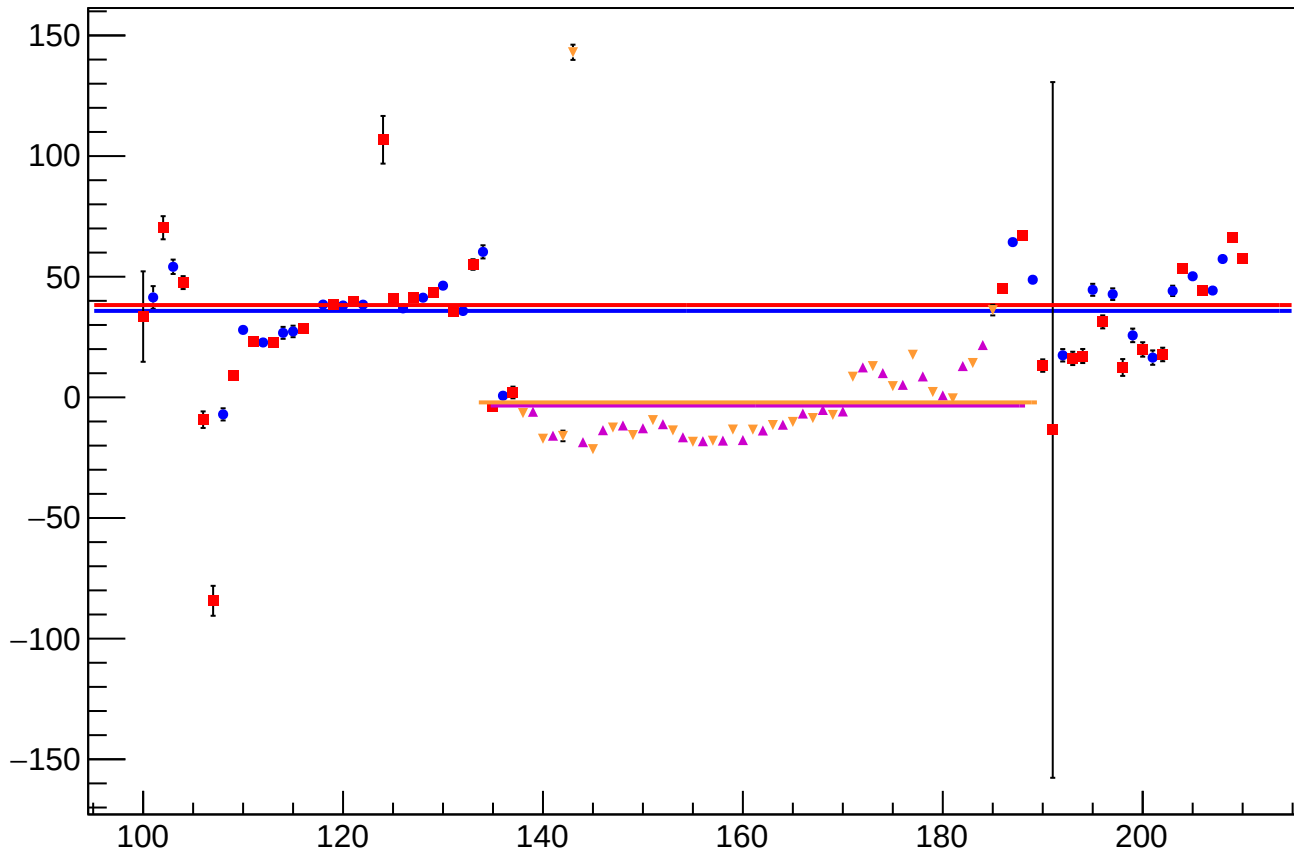
Left In: -139.533 ± 0.042 χ^2/NDF : 114482.7/22

+ sign -126.698 ± 0.033 χ^2/NDF : 1065701.2/51

All: -126.667 ± 0.024 χ^2/NDF : 2187458.8/10

- sign -126.636 ± 0.034 χ^2/NDF : 1121755.9/55

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 35.838 ± 0.341 $\chi^2/\text{NDF}: 2550.4/26$

Left Out: -2.091 ± 0.267 $\chi^2/\text{NDF}: 4201.3/24$

Right Out: 38.251 ± 0.298 $\chi^2/\text{NDF}: 5139.9/32$

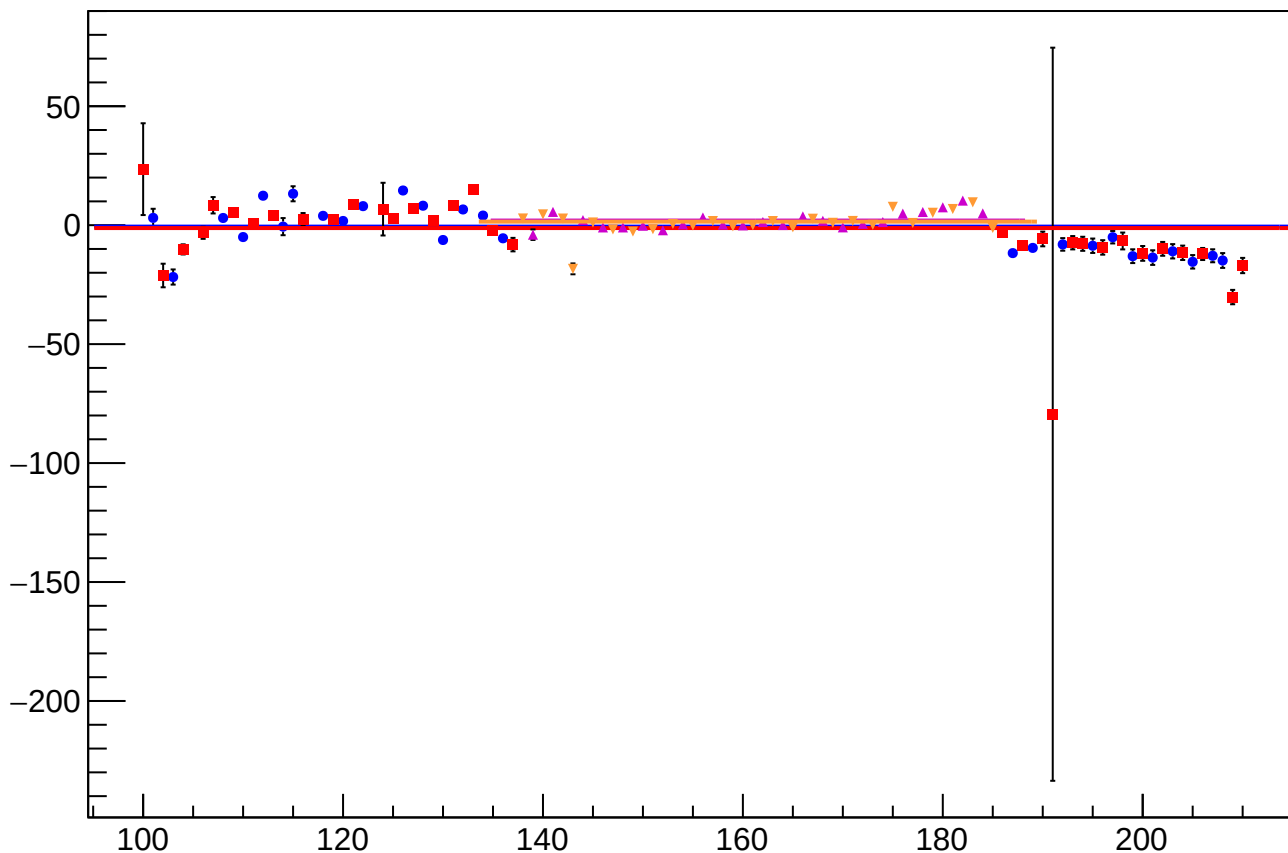
Left In: -3.391 ± 0.271 $\chi^2/\text{NDF}: 1752.8/22$

+ sign 12.313 ± 0.210 $\chi^2/\text{NDF}: 14428.4/51$

All: 13.957 ± 0.145 $\chi^2/\text{NDF}: 32103.4/107$

- sign 15.458 ± 0.201 $\chi^2/\text{NDF}: 17557.8/55$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -0.611 ± 0.382 χ^2/NDF : 511.0/26

Left Out: 1.489 ± 0.205 χ^2/NDF : 328.6/24

Right Out: -1.219 ± 0.353 χ^2/NDF : 528.4/32

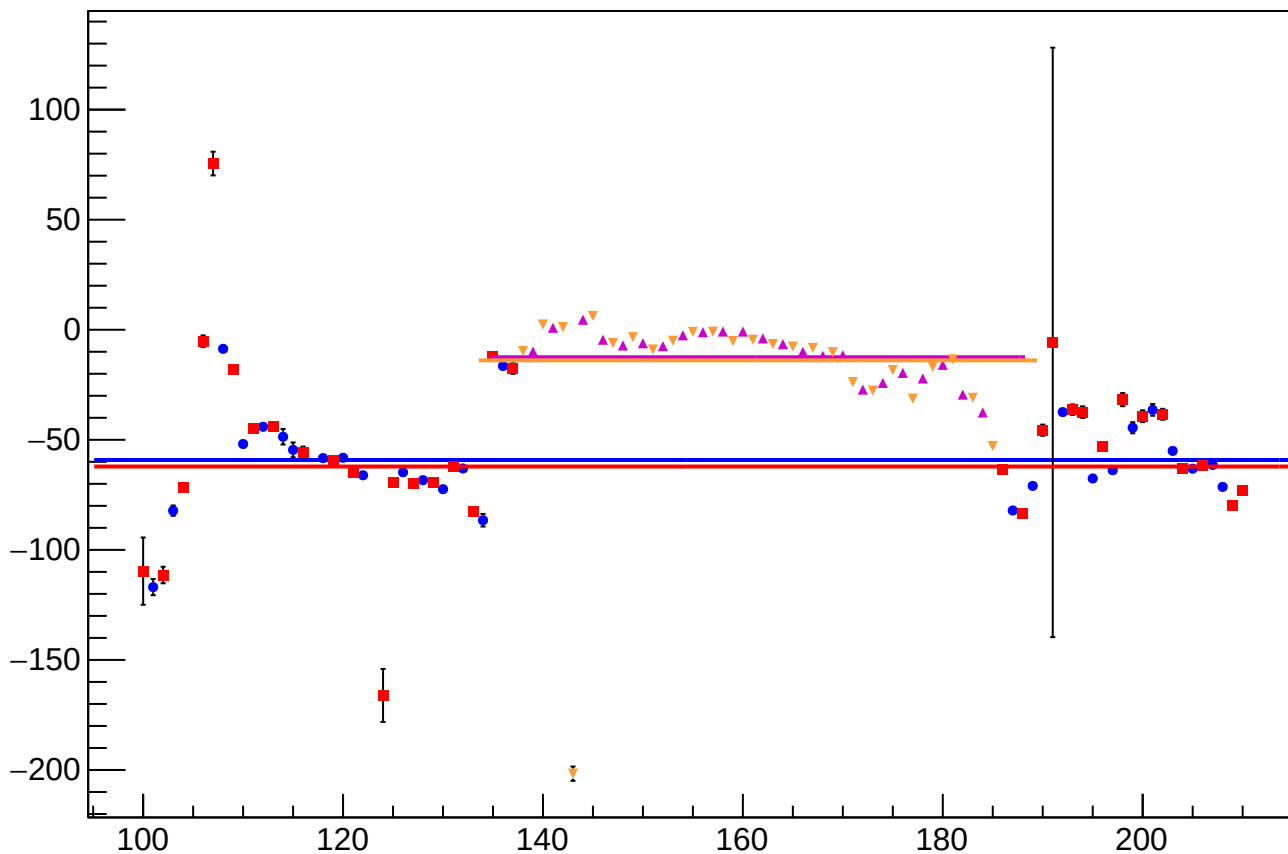
Left In: 1.933 ± 0.210 χ^2/NDF : 240.7/22

+ sign 1.019 ± 0.181 χ^2/NDF : 863.1/51

All: 1.064 ± 0.128 χ^2/NDF : 1690.9/107

- sign 1.108 ± 0.181 χ^2/NDF : 827.7/55

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -59.166 ± 0.352 χ^2/NDF : 3386.1/26

Left Out: -13.908 ± 0.265 χ^2/NDF : 5128.3/24

Right Out: -62.142 ± 0.294 χ^2/NDF : 5624.1/32

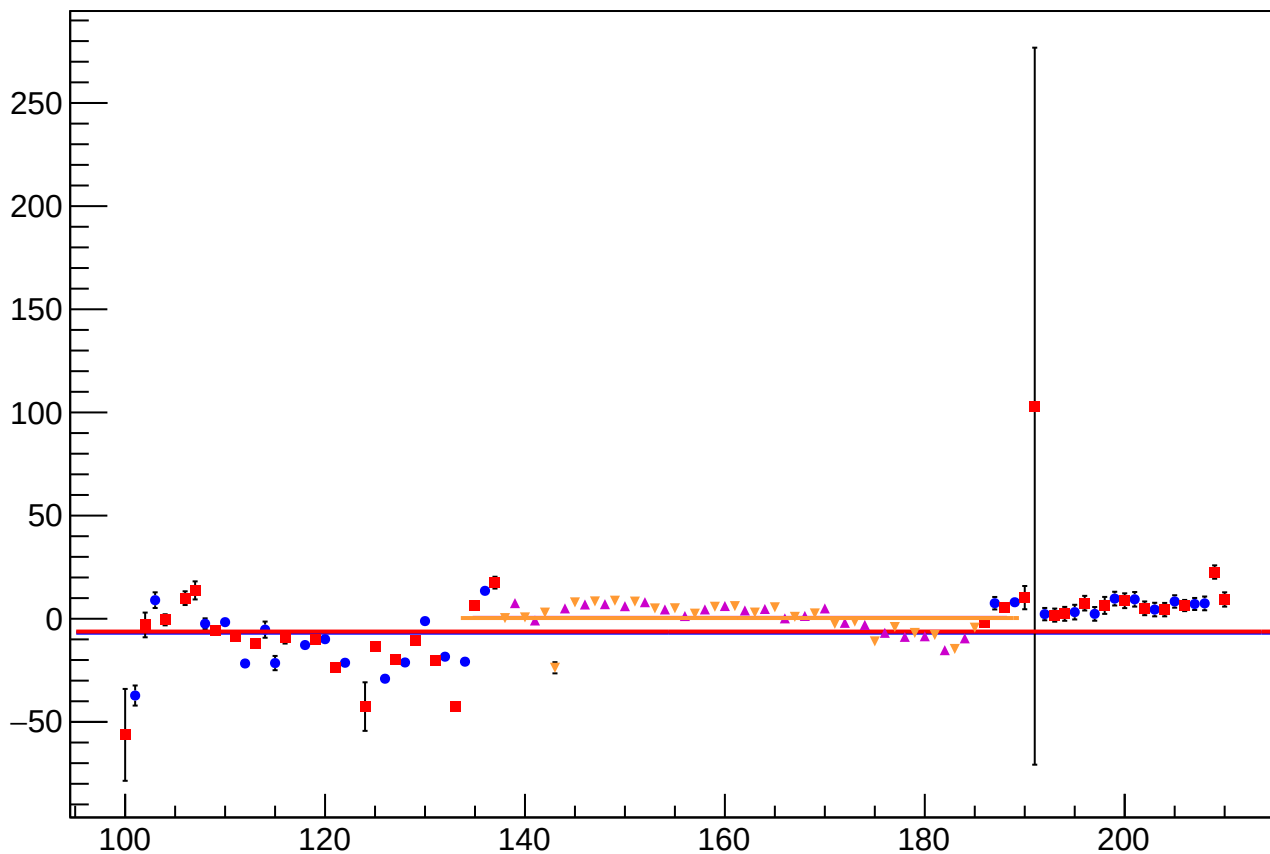
Left In: -12.494 ± 0.269 χ^2/NDF : 1430.3/22

+ sign -30.227 ± 0.212 χ^2/NDF : 19055.0/51

All: -32.808 ± 0.145 χ^2/NDF : 41916.3/107

- sign -35.075 ± 0.198 χ^2/NDF : 22582.1/55

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -6.761 ± 0.444 χ^2/NDF : 936.8/26

Left Out: 0.345 ± 0.231 χ^2/NDF : 921.9/24

Right Out: -6.207 ± 0.424 χ^2/NDF : 1041.6/32

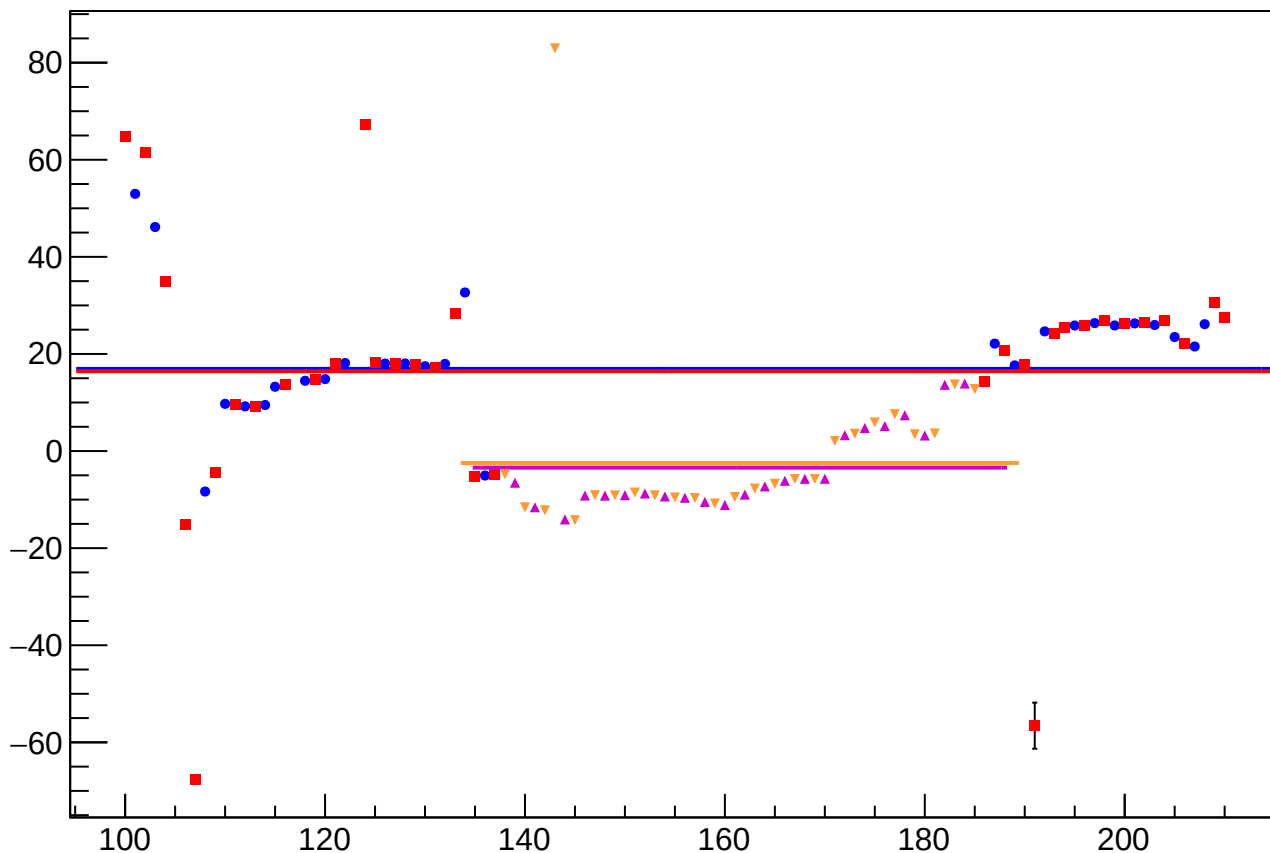
Left In: 0.433 ± 0.237 χ^2/NDF : 782.1/22

+ sign -1.172 ± 0.205 χ^2/NDF : 2060.1/51

All: -1.158 ± 0.146 χ^2/NDF : 4070.8/107

- sign -1.144 ± 0.207 χ^2/NDF : 2010.7/55

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 16.926 $\pm$ 0.023 χ^2 /NDF: 437664.7/26

Left Out: -2.452 $\pm$ 0.010 χ^2 /NDF: 961833.3/24

Right Out: 16.449 $\pm$ 0.022 χ^2 /NDF: 571602.1/32

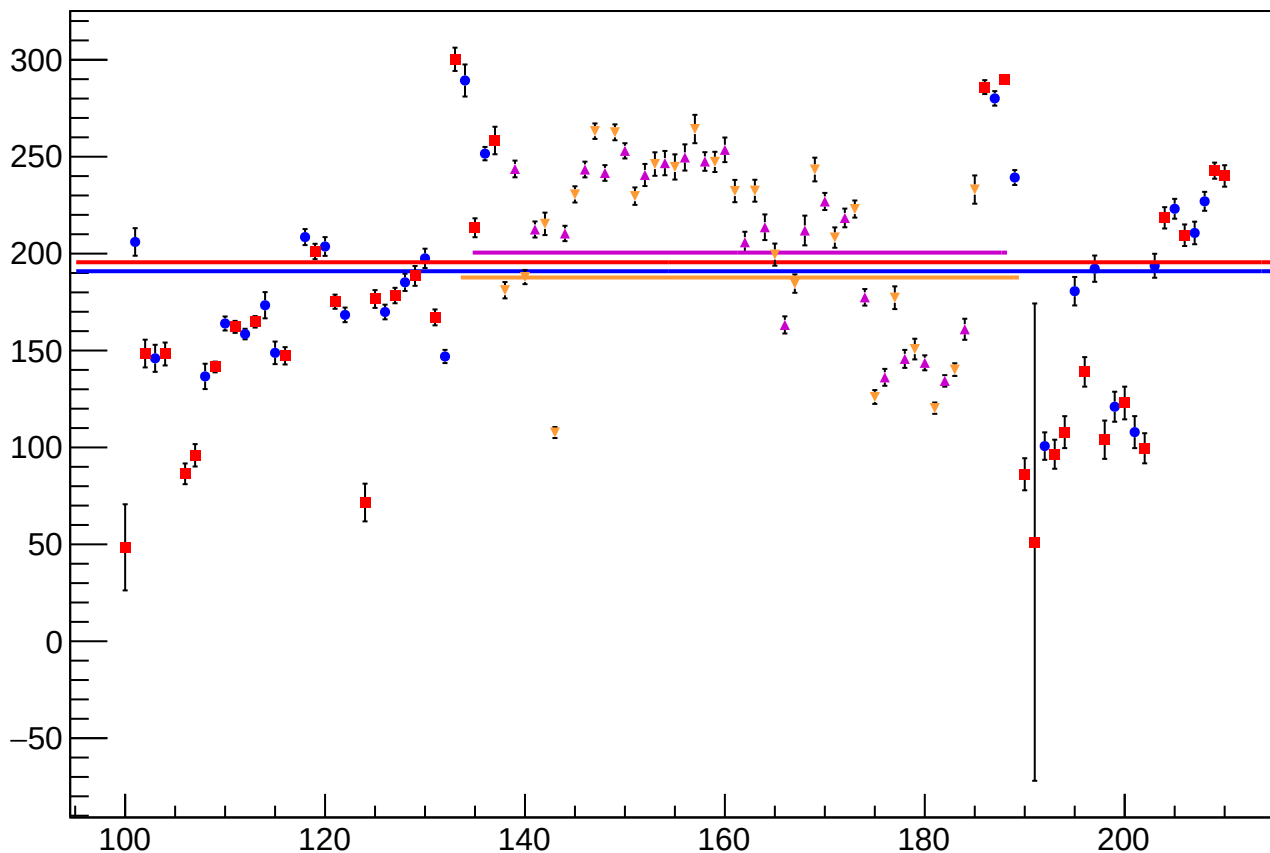
Left In: -3.418 $\pm$ 0.010 χ^2 /NDF: 546802.2/22

+ sign 0.933 $\pm$ 0.009 χ^2 /NDF: 2011478.7/51

All: 0.587 $\pm$ 0.007 χ^2 /NDF: 3799300.7/107

- sign 0.240 $\pm$ 0.009 χ^2 /NDF: 1785114.7/55

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 190.920 $\pm$ 0.910 χ^2 /NDF: 2258.9/26

Left Out: 187.681 $\pm$ 0.898 χ^2 /NDF:3528.3/24

Right Out: 195.547 $\pm$ 0.802 χ^2 /NDF: 6210.6/32

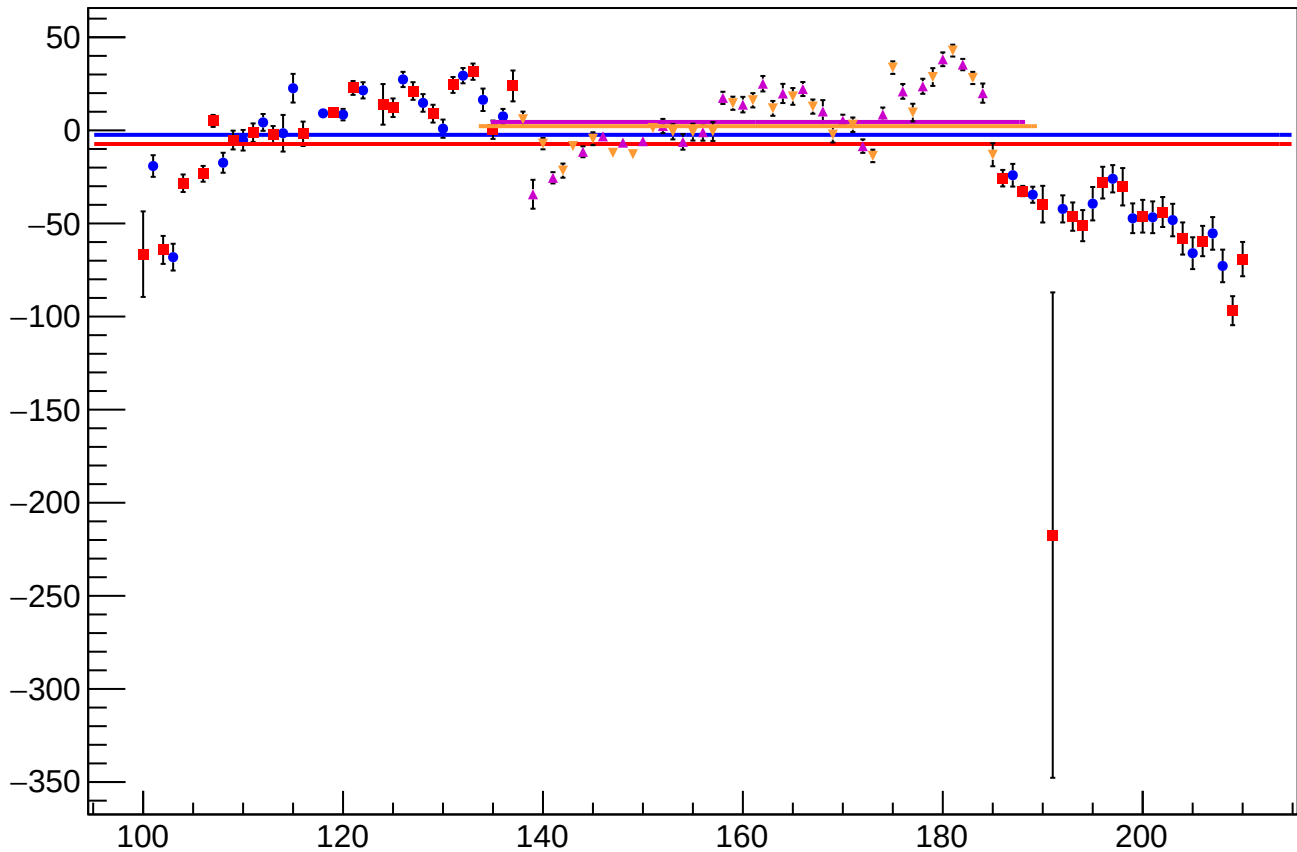
Left In: 200.521 $\pm$ 0.955 χ^2 /NDF:2111.4/22

+ sign 189.278 $\pm$ 0.639 χ^2 /NDF: 5793.6/51

All: 193.605 $\pm$ 0.443 χ^2 /NDF: 14219.8/107

- sign 197.604 $\pm$ 0.614 χ^2 /NDF: 8337.9/55

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -2.408 ± 0.990 χ^2/NDF : 687.2/26

Left Out: 2.245 ± 0.665 χ^2/NDF : 600.9/24

Right Out: -7.331 ± 0.906 χ^2/NDF : 914.9/32

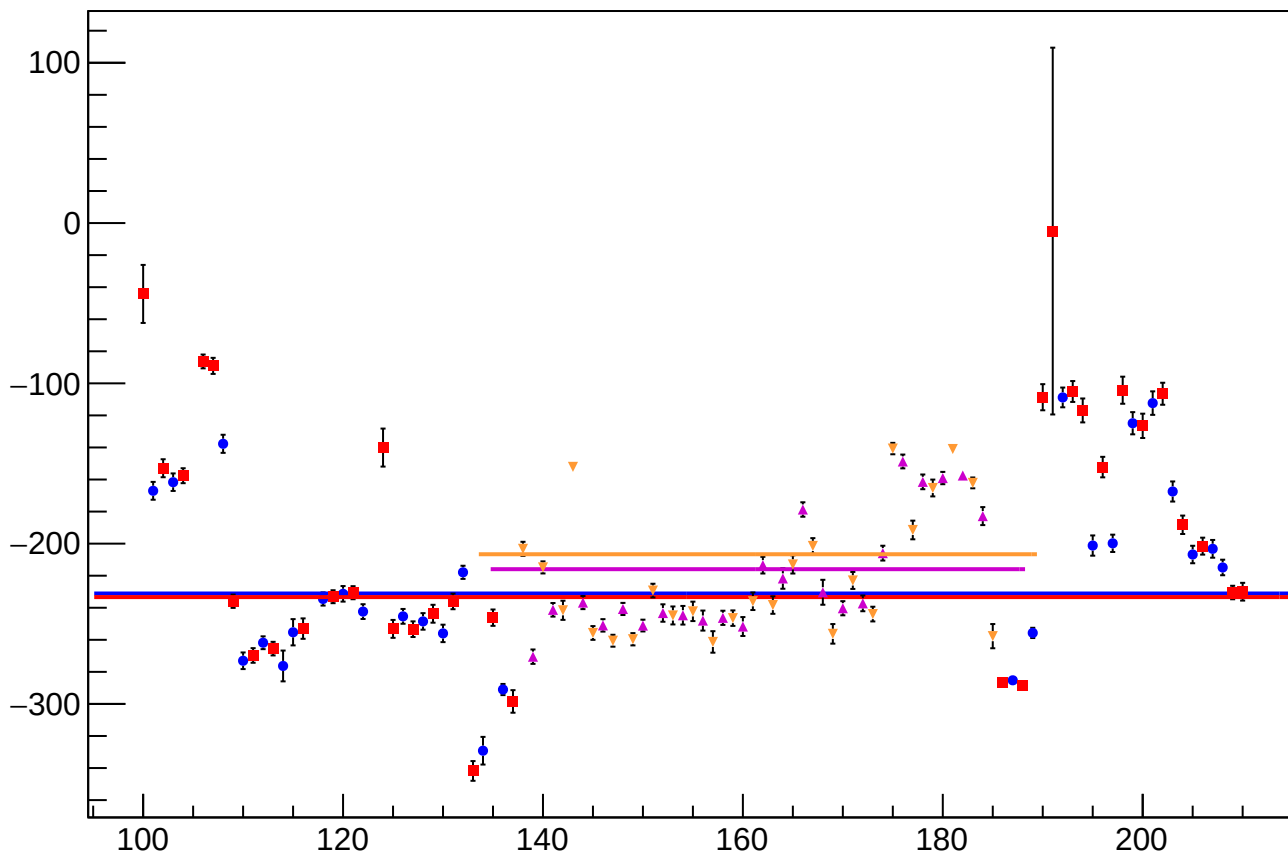
Left In: 4.513 ± 0.714 χ^2/NDF : 547.1/22

+ sign 0.800 ± 0.552 χ^2/NDF : 1303.3/51

All: 0.392 ± 0.393 χ^2/NDF : 2871.9/107

- sign -0.029 ± 0.561 χ^2/NDF : 1567.5/55

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -231.112 ± 0.950 χ^2/NDF : 2683.1/26

Left Out: -206.617 ± 0.895 χ^2/NDF : 2467.8/24

Right Out: -233.354 ± 0.808 χ^2/NDF : 6660.2/32

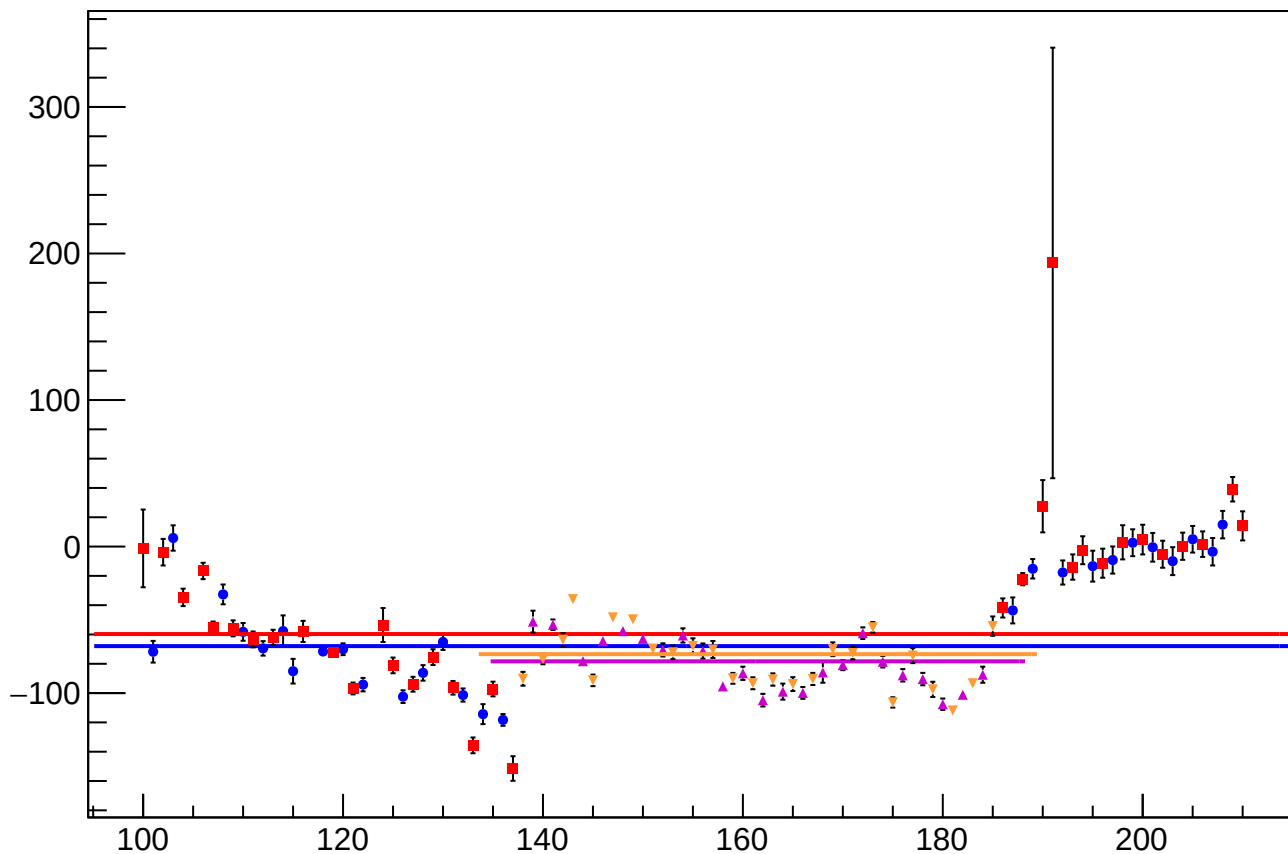
Left In: -215.938 ± 0.946 χ^2/NDF : 1711.9/22

+ sign -218.127 ± 0.651 χ^2/NDF : 5503.0/51

All: -222.294 ± 0.447 χ^2/NDF : 14148.3/107

- sign -226.004 ± 0.615 χ^2/NDF : 8568.0/55

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -67.939 ± 1.160 $\chi^2/\text{NDF}: 985.5/26$

Left Out: -73.426 ± 0.767 $\chi^2/\text{NDF}: 836.6/24$

Right Out: -59.707 ± 1.079 $\chi^2/\text{NDF}: 1323.1/32$

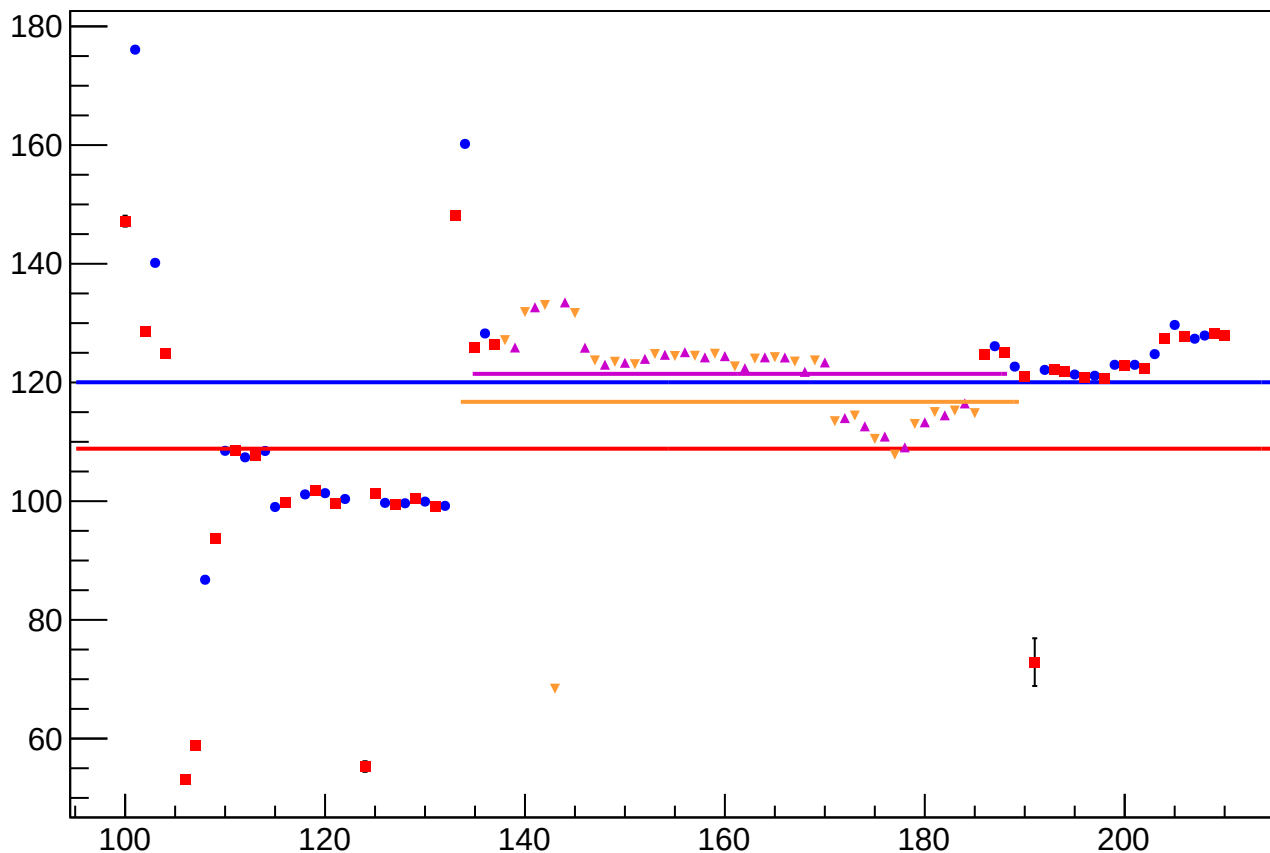
Left In: -78.329 ± 0.817 $\chi^2/\text{NDF}: 443.2/22$

+ sign -71.757 ± 0.640 $\chi^2/\text{NDF}: 1837.6/51$

All: -71.652 ± 0.457 $\chi^2/\text{NDF}: 3793.2/107$

- sign -71.542 ± 0.652 $\chi^2/\text{NDF}: 1955.5/55$

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 120.037 $\pm$ 0.061 χ^2 /NDF: 98387.5/26

Left Out: 116.740 $\pm$ 0.036 χ^2 /NDF: 203650.9/24

Right Out: 108.843 $\pm$ 0.055 χ^2 /NDF: 212221.7/32

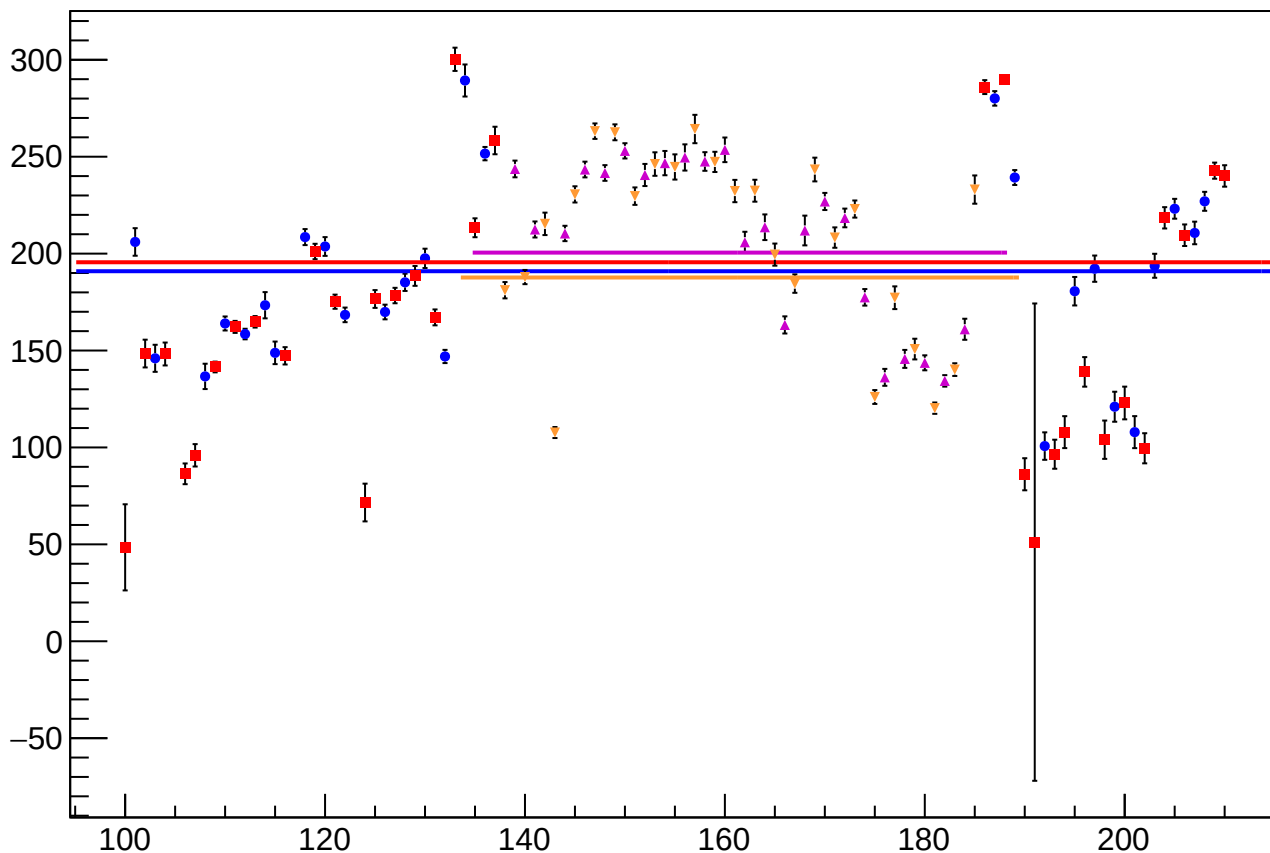
Left In: 121.455 $\pm$ 0.037 χ^2 /NDF: 28796.4/22

+ sign 117.581 $\pm$ 0.031 χ^2 /NDF: 304199.0/51

All: 117.544 $\pm$ 0.022 χ^2 /NDF: 581079.2/107

- sign 117.506 $\pm$ 0.031 χ^2 /NDF: 276877.3/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 190.920 $\pm$ 0.910 χ^2 /NDF: 2258.9/26

Left Out: 187.681 $\pm$ 0.898 χ^2 /NDF: 3528.3/24

Right Out: 195.547 $\pm$ 0.802 χ^2 /NDF: 6210.6/32

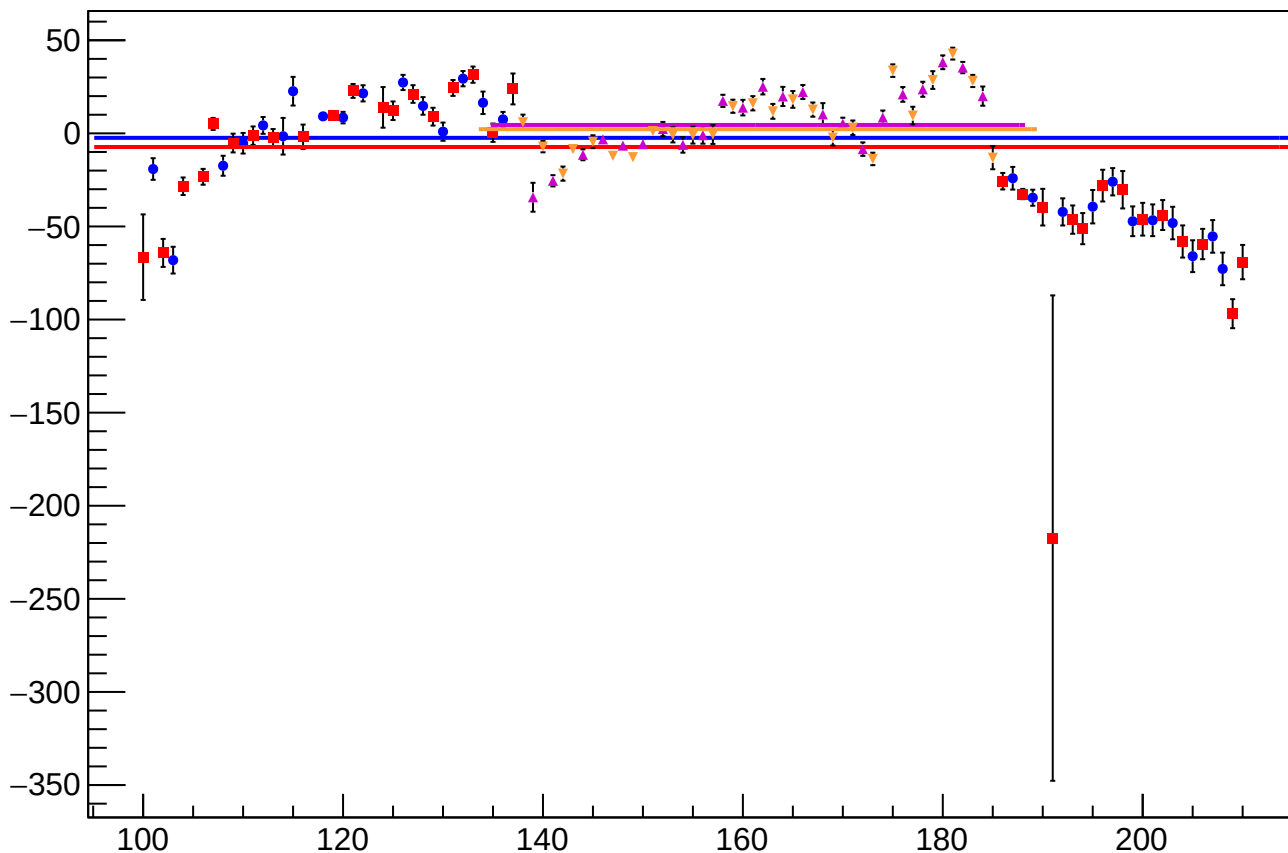
Left In: 200.521 $\pm$ 0.955 χ^2 /NDF: 2111.4/22

+ sign 189.278 $\pm$ 0.639 χ^2 /NDF: 5793.6/51

All: 193.605 $\pm$ 0.443 χ^2 /NDF: 14219.8/107

- sign 197.604 $\pm$ 0.614 χ^2 /NDF: 8337.9/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -2.408 ± 0.990 χ^2/NDF : 687.2/26

Left Out: 2.245 ± 0.665 χ^2/NDF : 600.9/24

Right Out: -7.331 ± 0.906 χ^2/NDF : 914.9/32

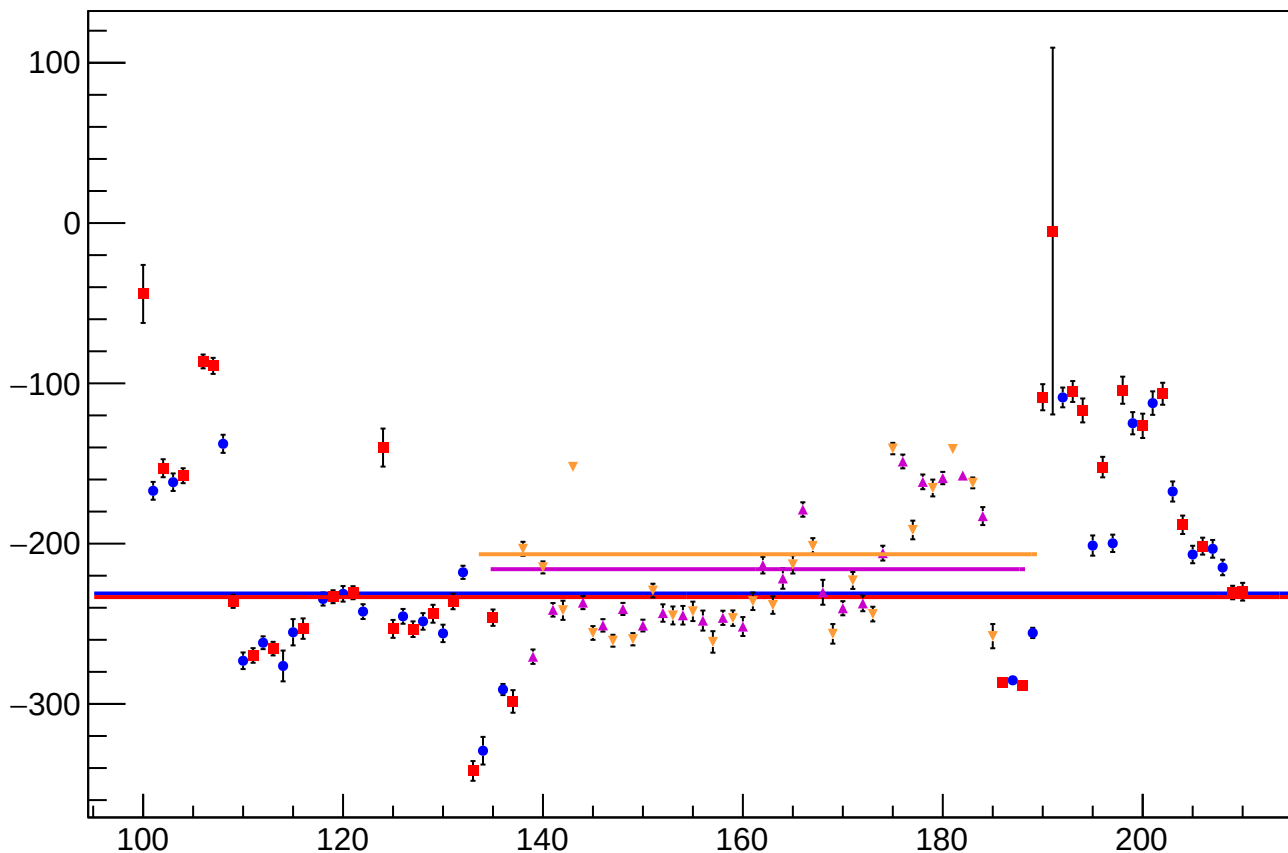
Left In: 4.513 ± 0.714 χ^2/NDF : 547.1/22

+ sign 0.800 ± 0.552 χ^2/NDF : 1303.3/51

All: 0.392 ± 0.393 χ^2/NDF : 2871.9/107

- sign -0.029 ± 0.561 χ^2/NDF : 1567.5/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -231.112 ± 0.950 χ^2/NDF : 2683.1/26

Left Out: -206.617 ± 0.895 χ^2/NDF : 2467.8/24

Right Out: -233.354 ± 0.808 χ^2/NDF : 6660.2/32

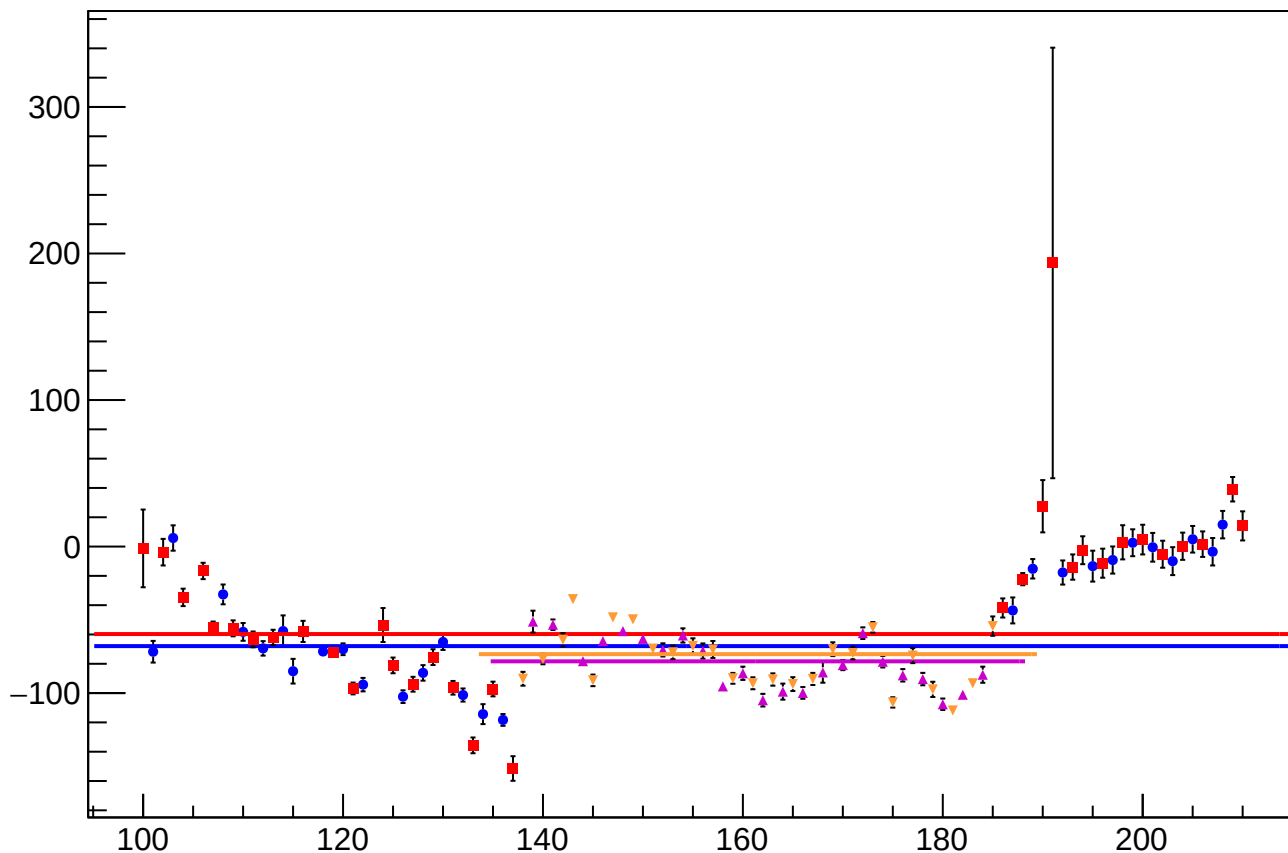
Left In: -215.938 ± 0.946 χ^2/NDF : 1711.9/22

+ sign -218.127 ± 0.651 χ^2/NDF : 5503.0/51

All: -222.294 ± 0.447 χ^2/NDF : 14148.3/107

- sign -226.004 ± 0.615 χ^2/NDF : 8568.0/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug



Right In: -67.939 ± 1.160 χ^2/NDF : 985.5/26

Left Out: -73.426 ± 0.767 χ^2/NDF : 836.6/24

Right Out: -59.707 ± 1.079 χ^2/NDF : 1323.1/32

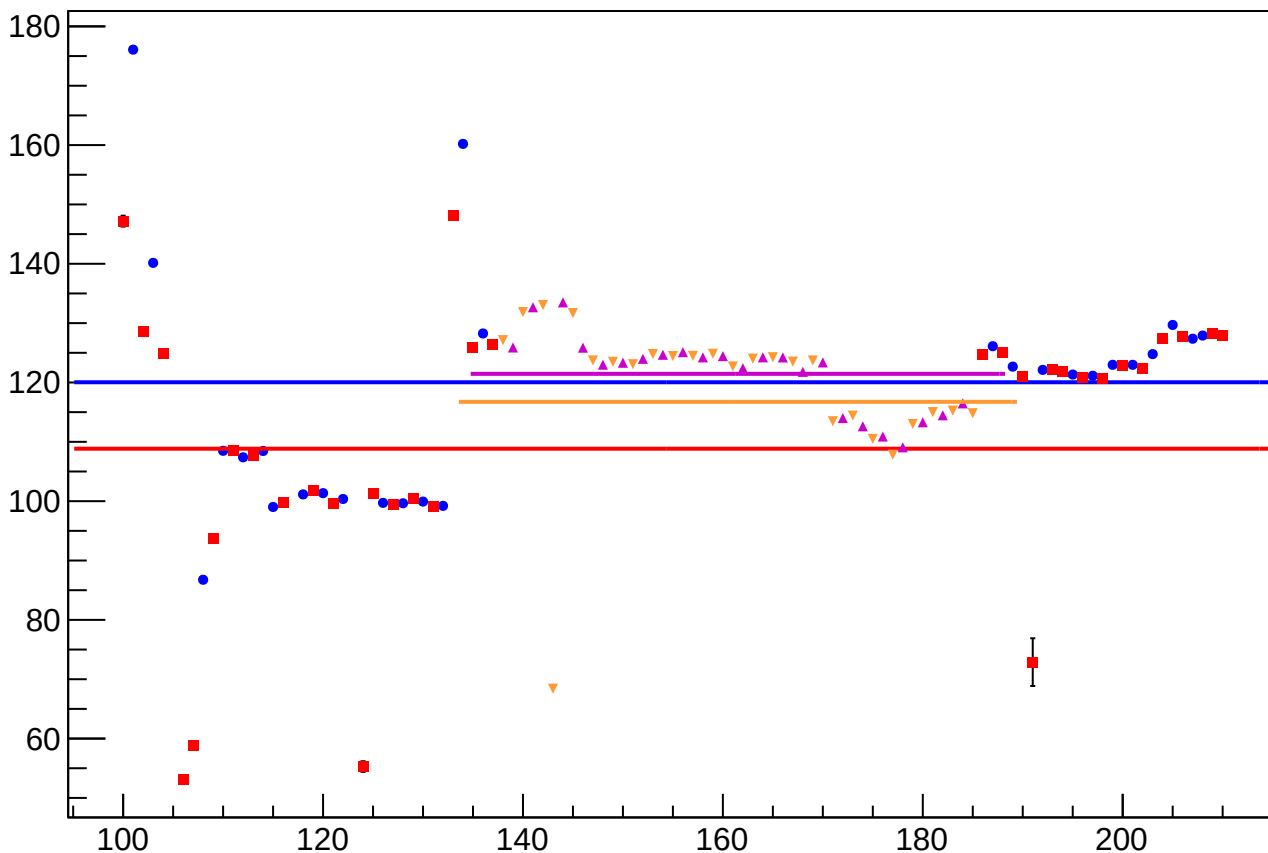
Left In: -78.329 ± 0.817 χ^2/NDF : 443.2/22

+ sign -71.757 ± 0.640 χ^2/NDF : 1837.6/51

All: -71.652 ± 0.457 χ^2/NDF : 3793.2/107

- sign -71.542 ± 0.652 χ^2/NDF : 1955.5/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug



Right In: 120.037 $\pm$ 0.061 χ^2 /NDF: 98387.5/26

Left Out: 116.740 $\pm$ 0.036 χ^2 /NDF:203650.9/24

Right Out: 108.843 $\pm$ 0.055 χ^2 /NDF: 212221.7/32

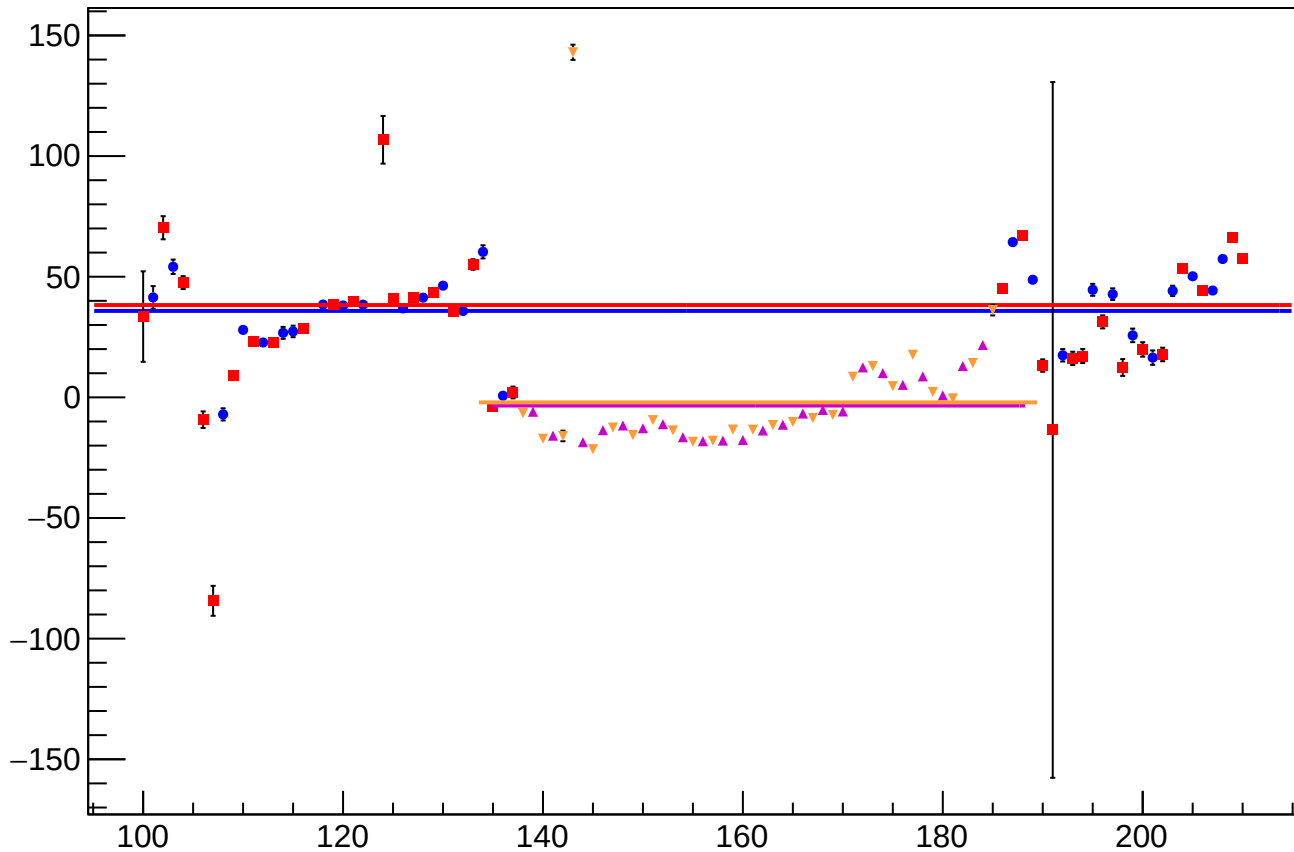
Left In: 121.455 $\pm$ 0.037 χ^2 /NDF:28796.4/22

+ sign 117.581 $\pm$ 0.031 χ^2 /NDF: 304199.0/51

All: 117.544 $\pm$ 0.022 χ^2 /NDF: 581079.2/107

- sign 117.506 $\pm$ 0.031 χ^2 /NDF: 276877.3/55

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug



Right In: 35.838 ± 0.341 $\chi^2/\text{NDF}: 2550.4/26$

Left Out: -2.091 ± 0.267 $\chi^2/\text{NDF}: 4201.3/24$

Right Out: 38.251 ± 0.298 $\chi^2/\text{NDF}: 5139.9/32$

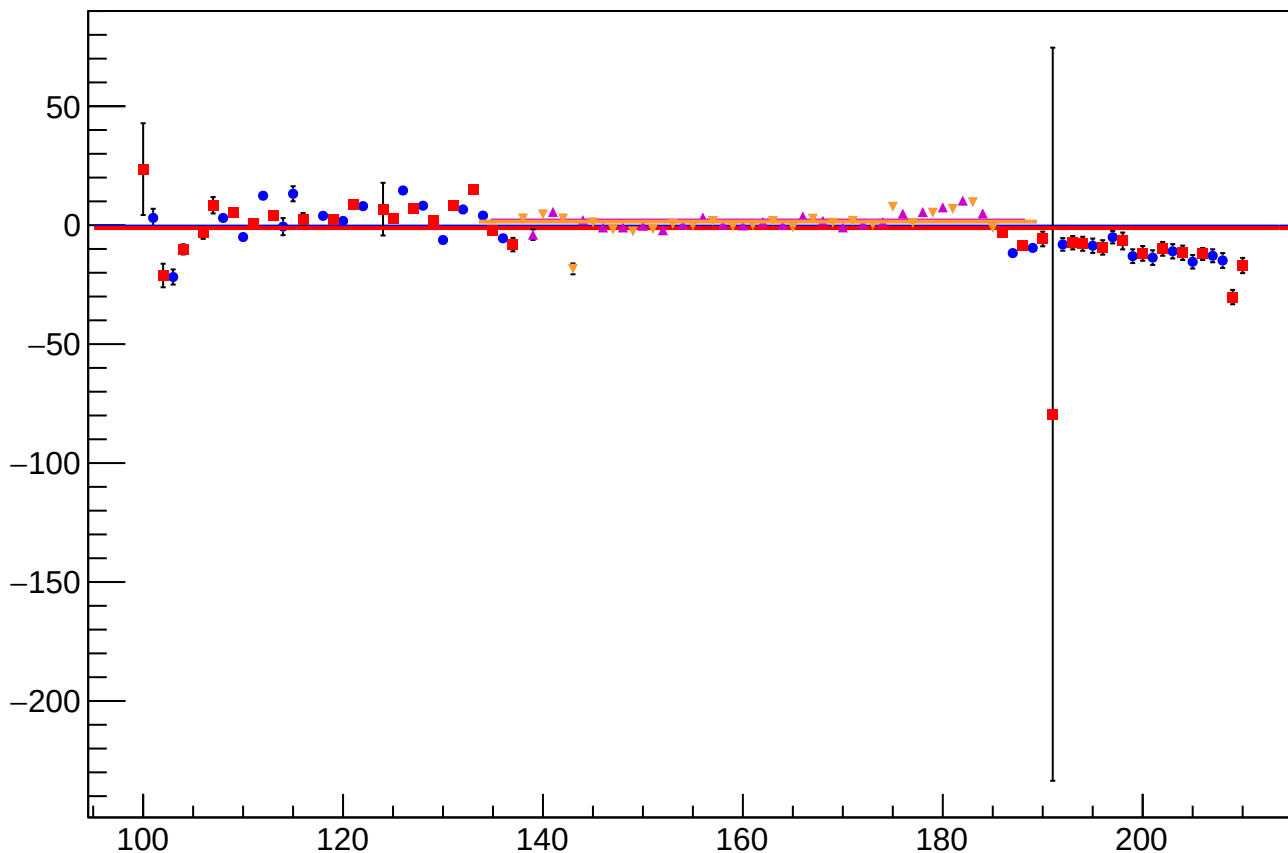
Left In: -3.391 ± 0.271 $\chi^2/\text{NDF}: 1752.8/22$

+ sign 12.313 ± 0.210 $\chi^2/\text{NDF}: 14428.4/51$

All: 13.957 ± 0.145 $\chi^2/\text{NDF}: 32103.4/107$

- sign 15.458 ± 0.201 $\chi^2/\text{NDF}: 17557.8/55$

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -0.611 ± 0.382 χ^2/NDF : 511.0/26

Left Out: 1.489 ± 0.205 χ^2/NDF : 328.6/24

Right Out: -1.219 ± 0.353 χ^2/NDF : 528.4/32

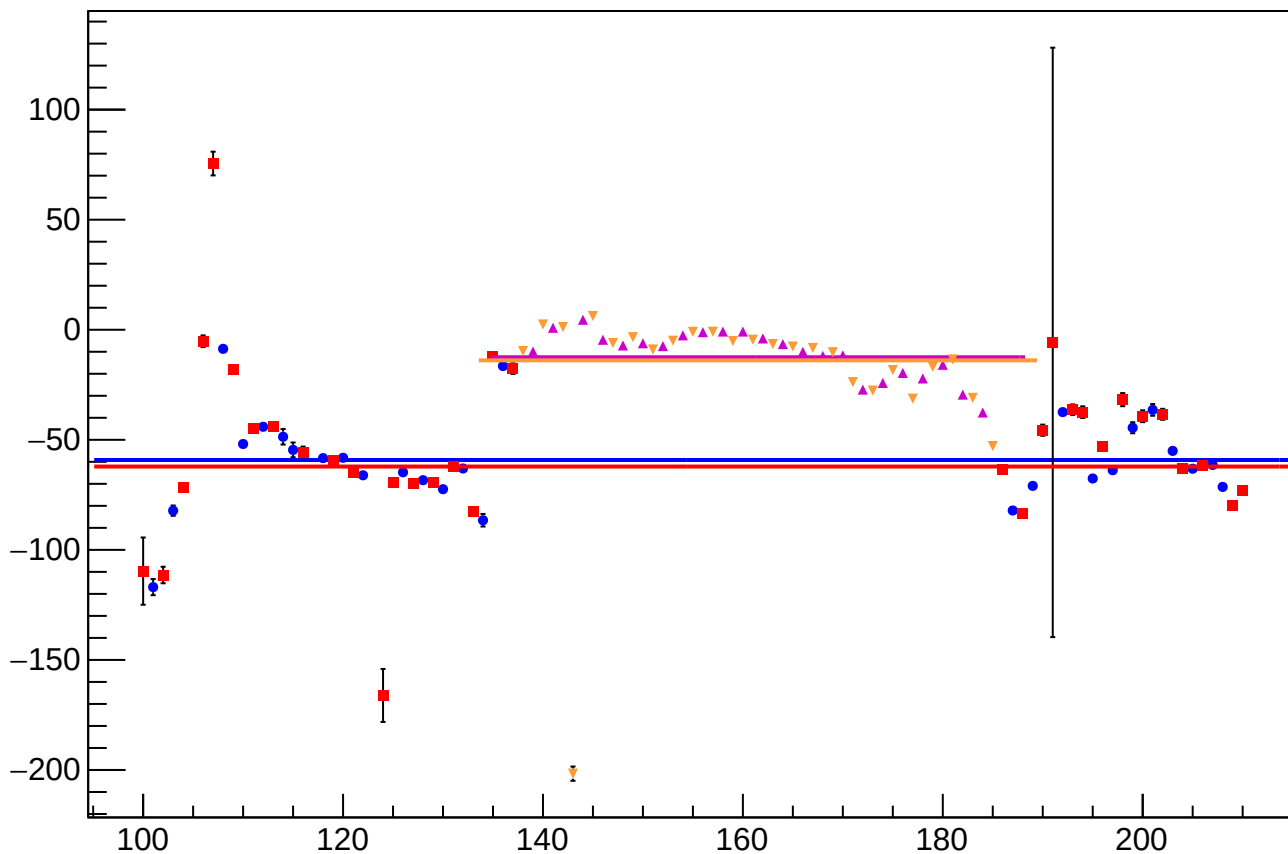
Left In: 1.933 ± 0.210 χ^2/NDF : 240.7/22

+ sign 1.019 ± 0.181 χ^2/NDF : 863.1/51

All: 1.064 ± 0.128 χ^2/NDF : 1690.9/107

- sign 1.108 ± 0.181 χ^2/NDF : 827.7/55

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -59.166 ± 0.352 χ^2/NDF : 3386.1/26

Left Out: -13.908 ± 0.265 χ^2/NDF : 5128.3/24

Right Out: -62.142 ± 0.294 χ^2/NDF : 5624.1/32

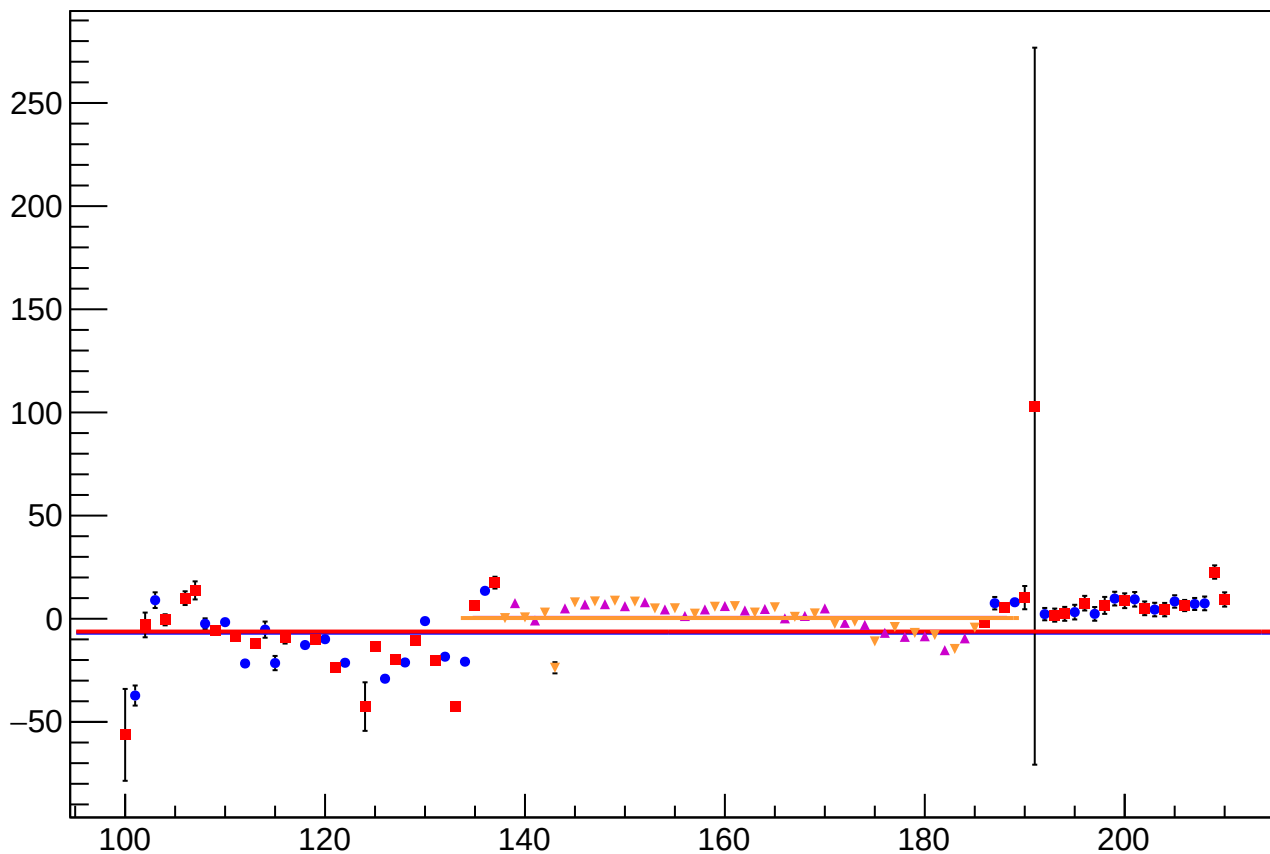
Left In: -12.494 ± 0.269 χ^2/NDF : 1430.3/22

+ sign -30.227 ± 0.212 χ^2/NDF : 19055.0/51

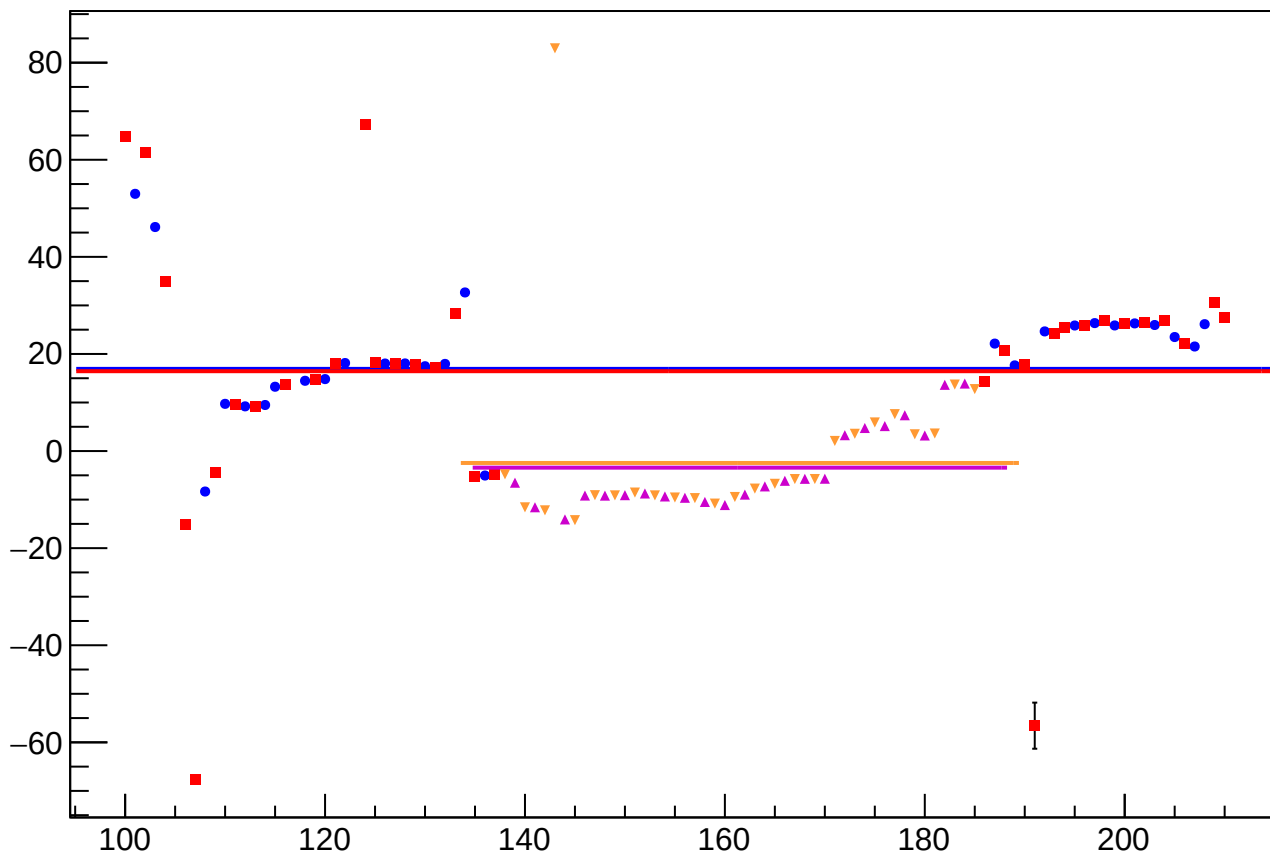
All: -32.808 ± 0.145 χ^2/NDF : 41916.3/107

- sign -35.075 ± 0.198 χ^2/NDF : 22582.1/55

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug



reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 16.926 $\pm$ 0.023 χ^2 /NDF: 437664.7/26

Left Out: -2.452 $\pm$ 0.010 χ^2 /NDF: 961833.3/24

Right Out: 16.449 $\pm$ 0.022 χ^2 /NDF: 571602.1/32

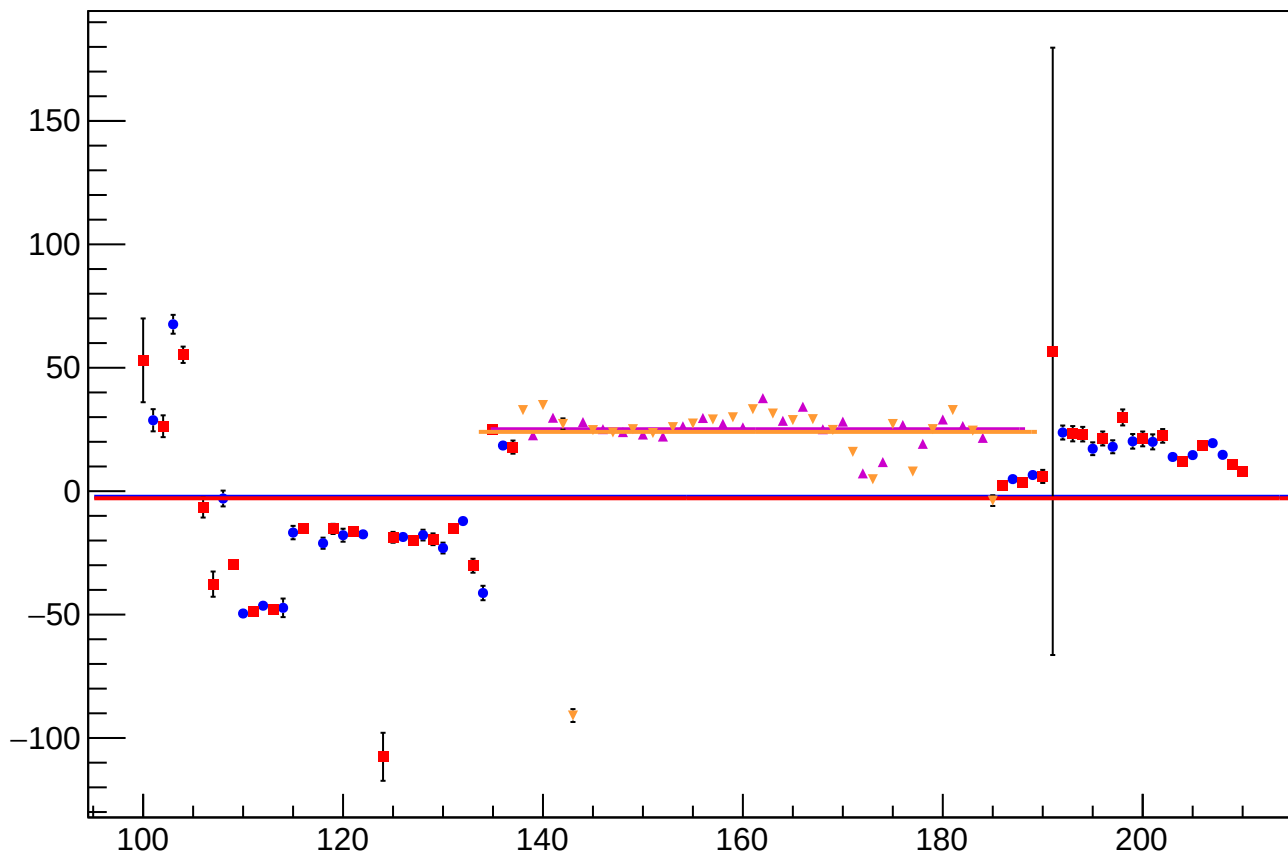
Left In: -3.418 $\pm$ 0.010 χ^2 /NDF: 546802.2/22

+ sign 0.933 $\pm$ 0.009 χ^2 /NDF: 2011478.7/51

All: 0.587 $\pm$ 0.007 χ^2 /NDF: 3799300.7/107

- sign 0.240 $\pm$ 0.009 χ^2 /NDF: 1785114.7/55

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



Right In: -2.265 ± 0.404 χ^2/NDF : 3559.9/26

Left Out: 24.025 ± 0.282 χ^2/NDF : 2802.2/24

Right Out: -2.885 ± 0.364 χ^2/NDF : 3872.1/32

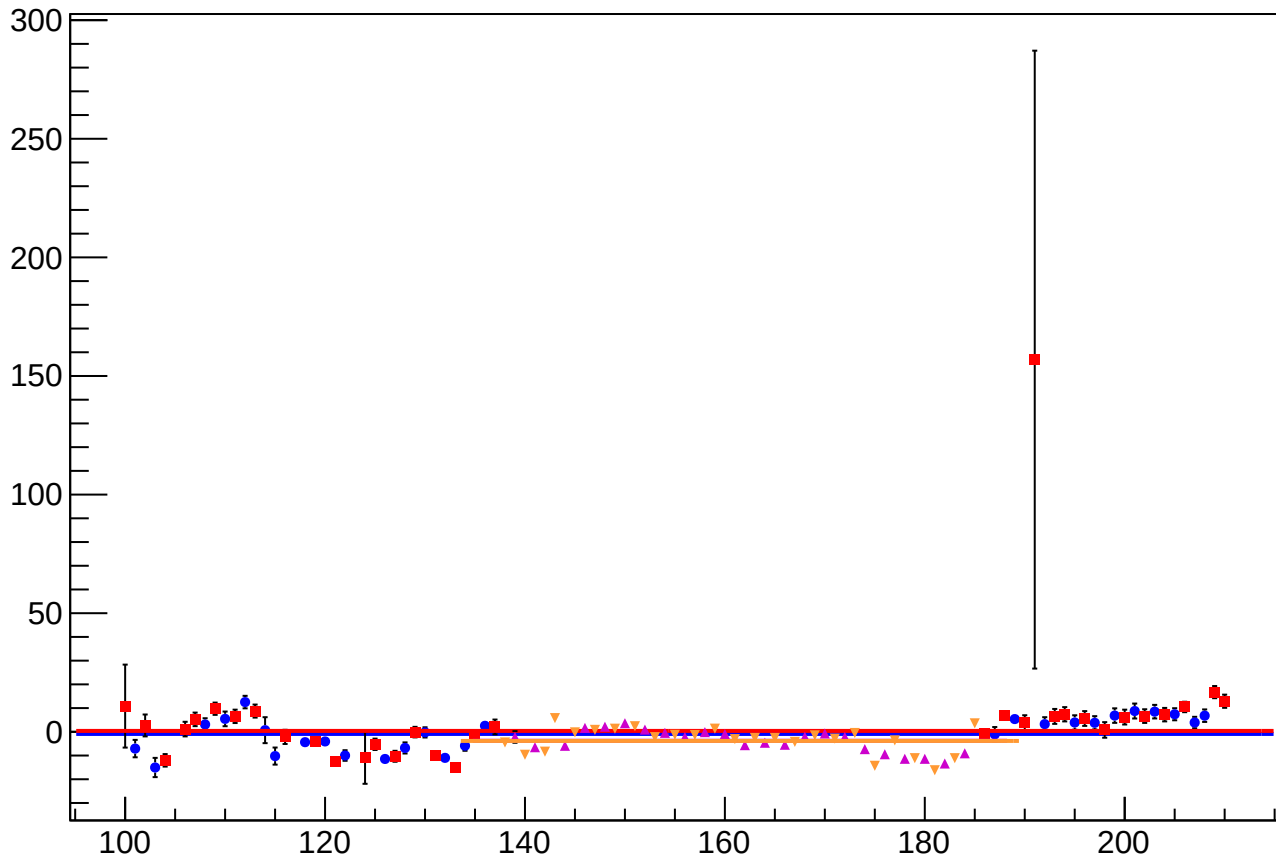
Left In: 25.089 ± 0.287 χ^2/NDF : 495.3/22

+ sign 15.410 ± 0.231 χ^2/NDF : 9209.7/51

All: 14.864 ± 0.161 χ^2/NDF : 17231.7/107

- sign 14.345 ± 0.225 χ^2/NDF : 8011.0/55

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -0.894 ± 0.458 χ^2/NDF : 215.2/26

Left Out: -3.845 ± 0.218 χ^2/NDF : 649.4/24

Right Out: 0.379 ± 0.432 χ^2/NDF : 346.6/32

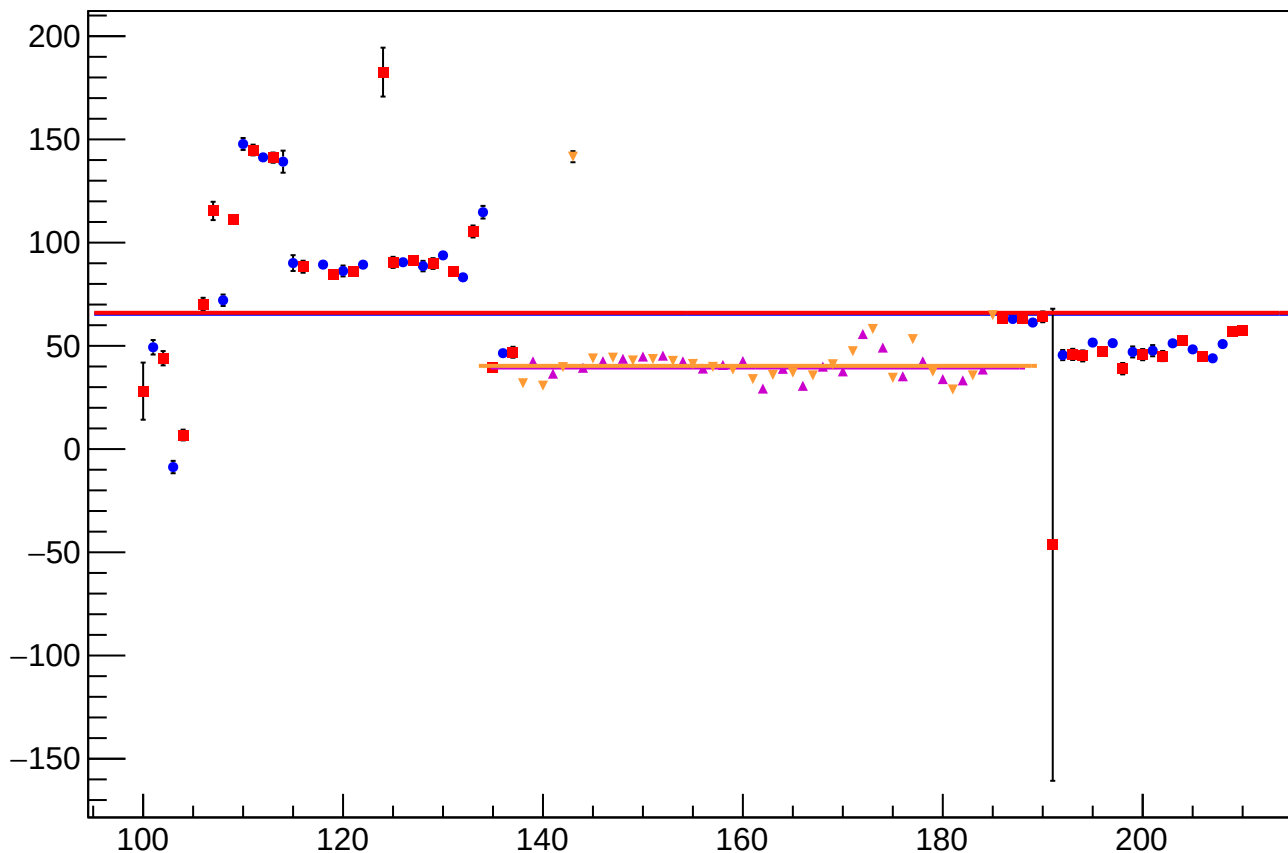
Left In: -3.780 ± 0.224 χ^2/NDF : 509.8/22

+ sign -3.301 ± 0.197 χ^2/NDF : 898.4/51

All: -3.104 ± 0.140 χ^2/NDF : 1829.8/107

- sign -2.902 ± 0.199 χ^2/NDF : 929.4/55

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 65.520 $\pm$ 0.413 χ^2 /NDF: 4603.8/26

Left Out: 40.315 $\pm$ 0.280 χ^2 /NDF: 2182.8/24

Right Out: 66.007 $\pm$ 0.361 χ^2 /NDF: 4826.8/32

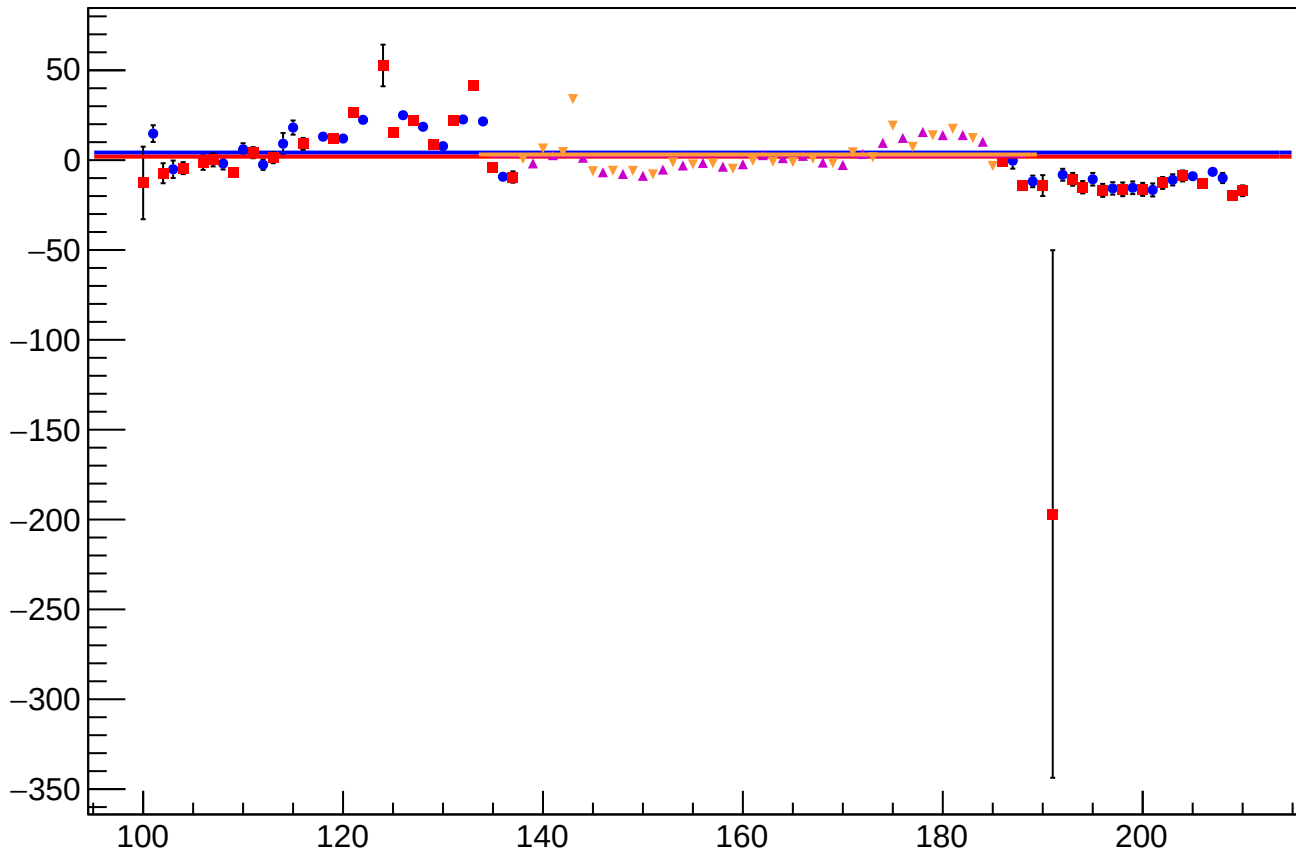
Left In: 39.504 $\pm$ 0.285 χ^2 /NDF: 432.1/22

+ sign 48.252 $\pm$ 0.232 χ^2 /NDF: 9335.6/51

All: 48.988 $\pm$ 0.161 χ^2 /NDF: 17937.8/107

- sign 49.671 $\pm$ 0.224 χ^2 /NDF: 8582.8/55

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 4.209 $\pm$ 0.525 χ^2 /NDF: 701.1/26

Left Out: 3.142 $\pm$ 0.245 χ^2 /NDF:1267.0/24

Right Out: 1.931 $\pm$ 0.508 χ^2 /NDF: 1001.3/32

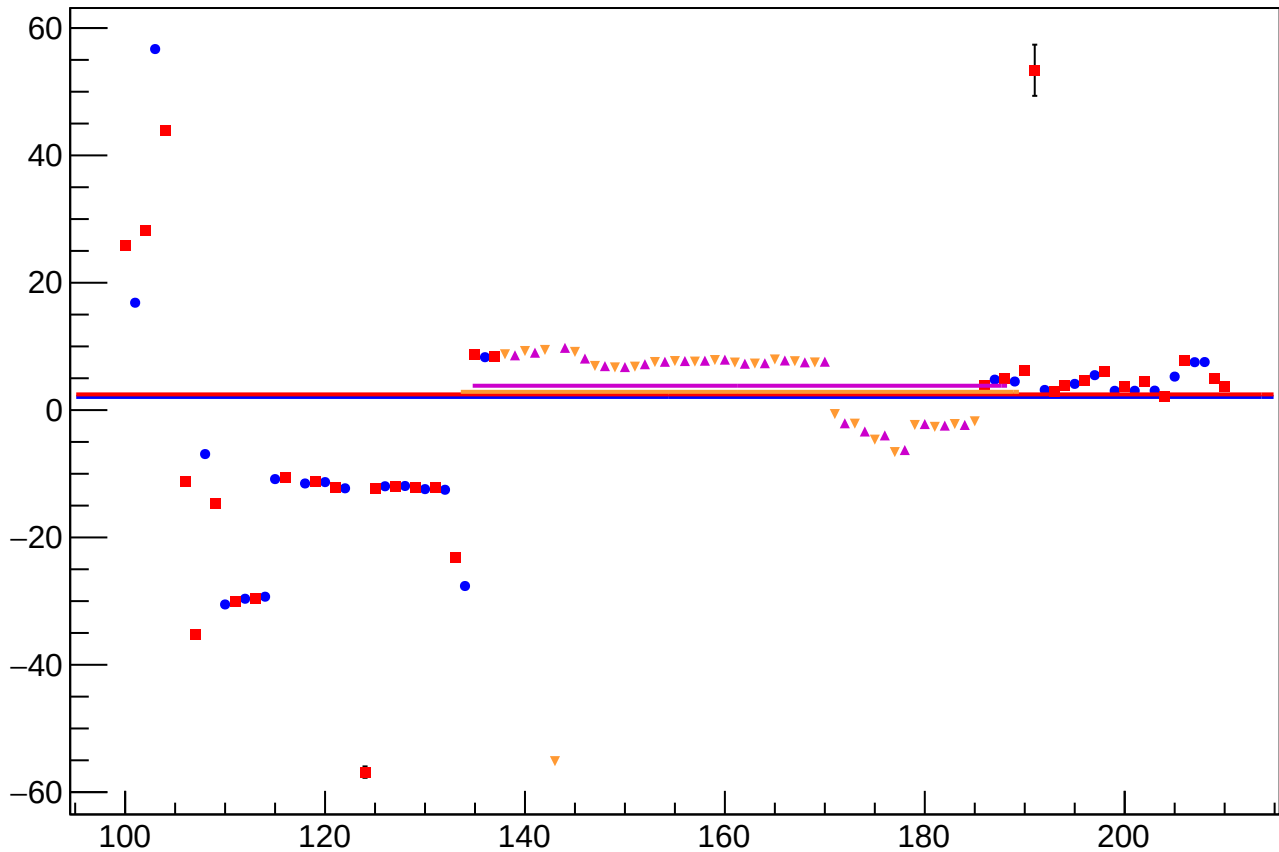
Left In: 2.519 $\pm$ 0.251 χ^2 /NDF:968.2/22

+ sign 3.333 $\pm$ 0.222 χ^2 /NDF: 1971.5/51

All: 2.874 $\pm$ 0.158 χ^2 /NDF: 3950.6/107

- sign 2.403 $\pm$ 0.225 χ^2 /NDF: 1970.5/55

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug



Right In: 2.068 $\pm$ 0.025 χ^2 /NDF: 382350.7/26

Left Out: 2.870 $\pm$ 0.011 χ^2 /NDF: 512331.0/24

Right Out: 2.465 $\pm$ 0.024 χ^2 /NDF: 330670.8/32

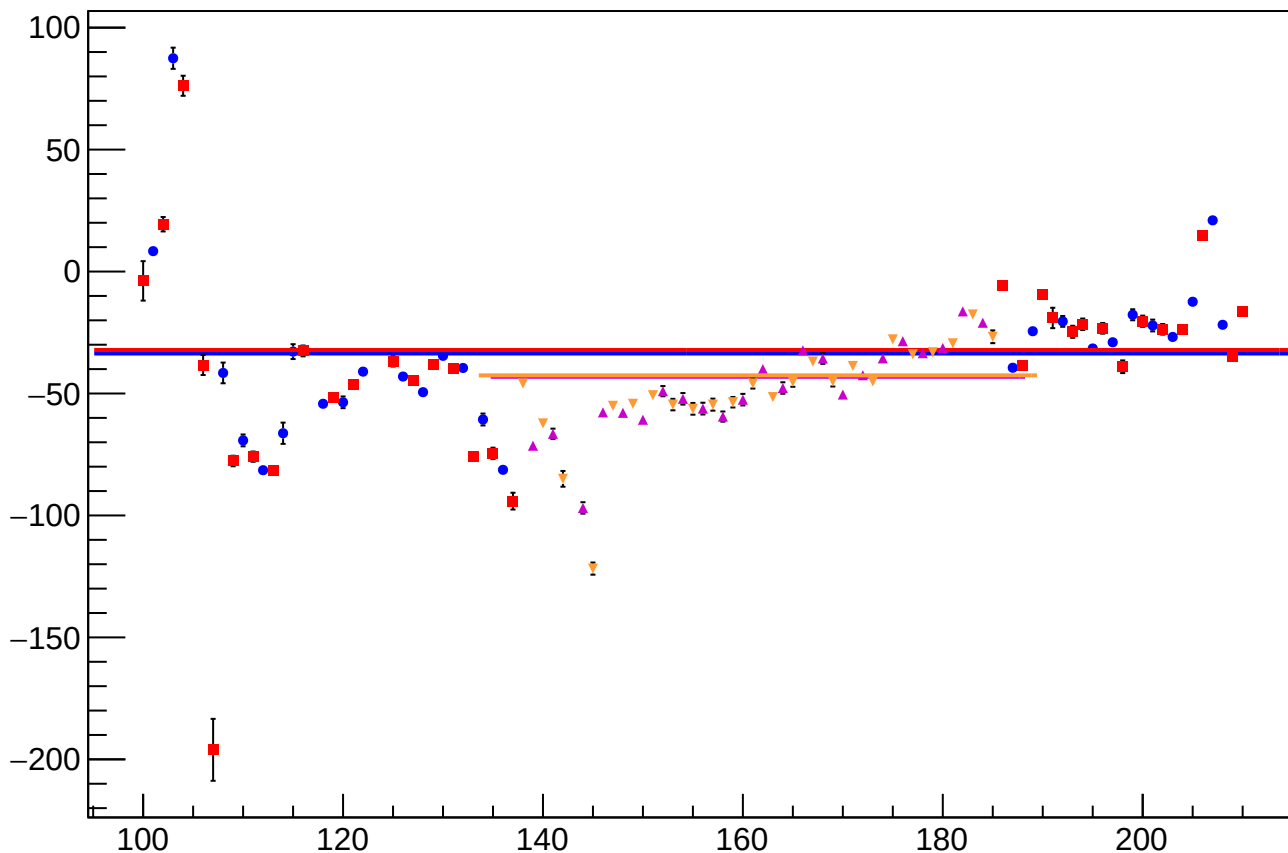
Left In: 3.825 $\pm$ 0.011 χ^2 /NDF: 233224.7/22

+ sign 2.739 $\pm$ 0.010 χ^2 /NDF: 895552.2/51

All: 3.162 $\pm$ 0.007 χ^2 /NDF: 1465616.4/107

- sign 3.589 $\pm$ 0.010 χ^2 /NDF: 566504.1/55

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -33.598 ± 0.373 χ^2/NDF : 4999.5/26

Left Out: -42.560 ± 0.378 χ^2/NDF : 2326.4/23

Right Out: -32.159 ± 0.326 χ^2/NDF : 6348.8/31

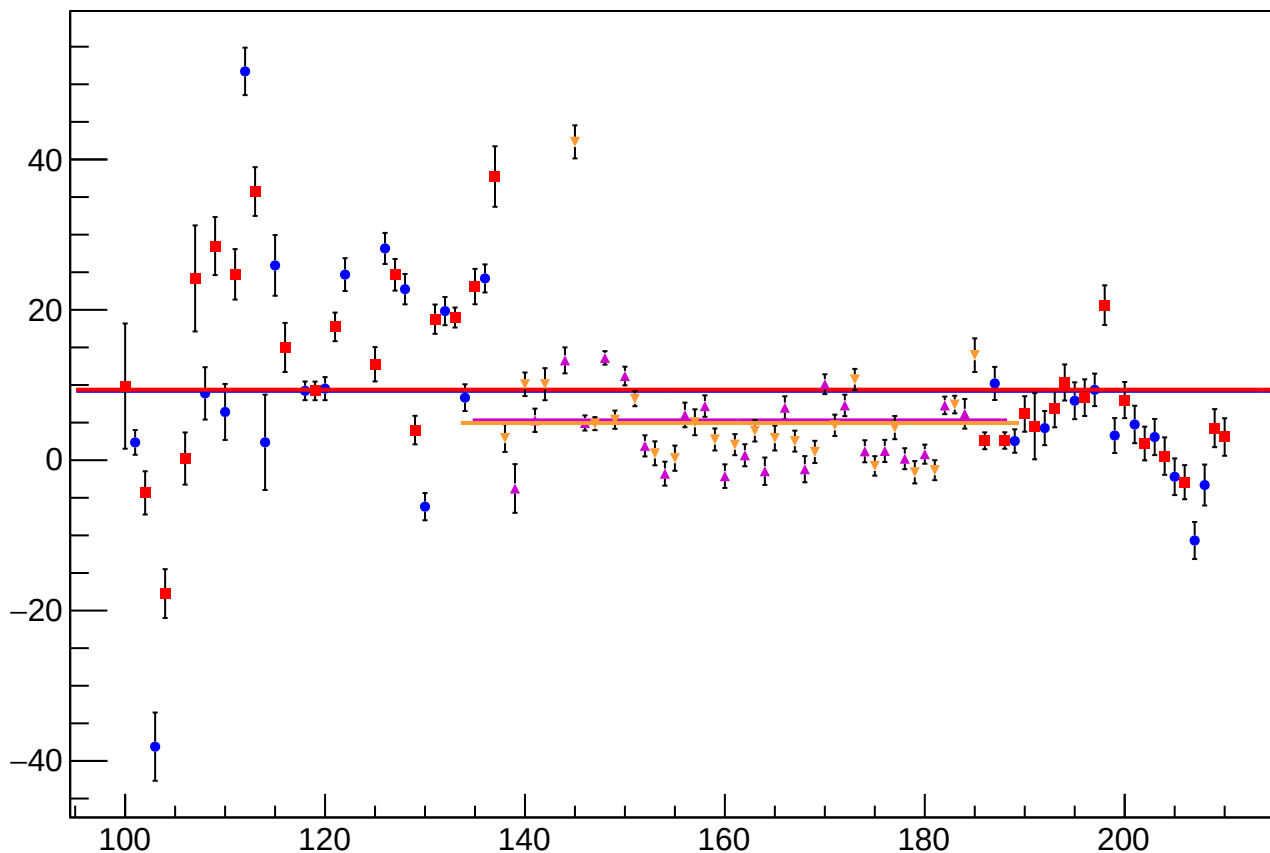
Left In: -43.152 ± 0.382 χ^2/NDF : 2206.6/22

+ sign -38.014 ± 0.266 χ^2/NDF : 7610.7/50

All: -37.364 ± 0.181 χ^2/NDF : 16657.2/105

- sign -36.797 ± 0.248 χ^2/NDF : 9035.3/54

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 9.230 ± 0.412 χ^2/NDF : 822.9/26

Left Out: 4.954 ± 0.288 χ^2/NDF : 449.1/23

Right Out: 9.379 ± 0.380 χ^2/NDF : 619.7/31

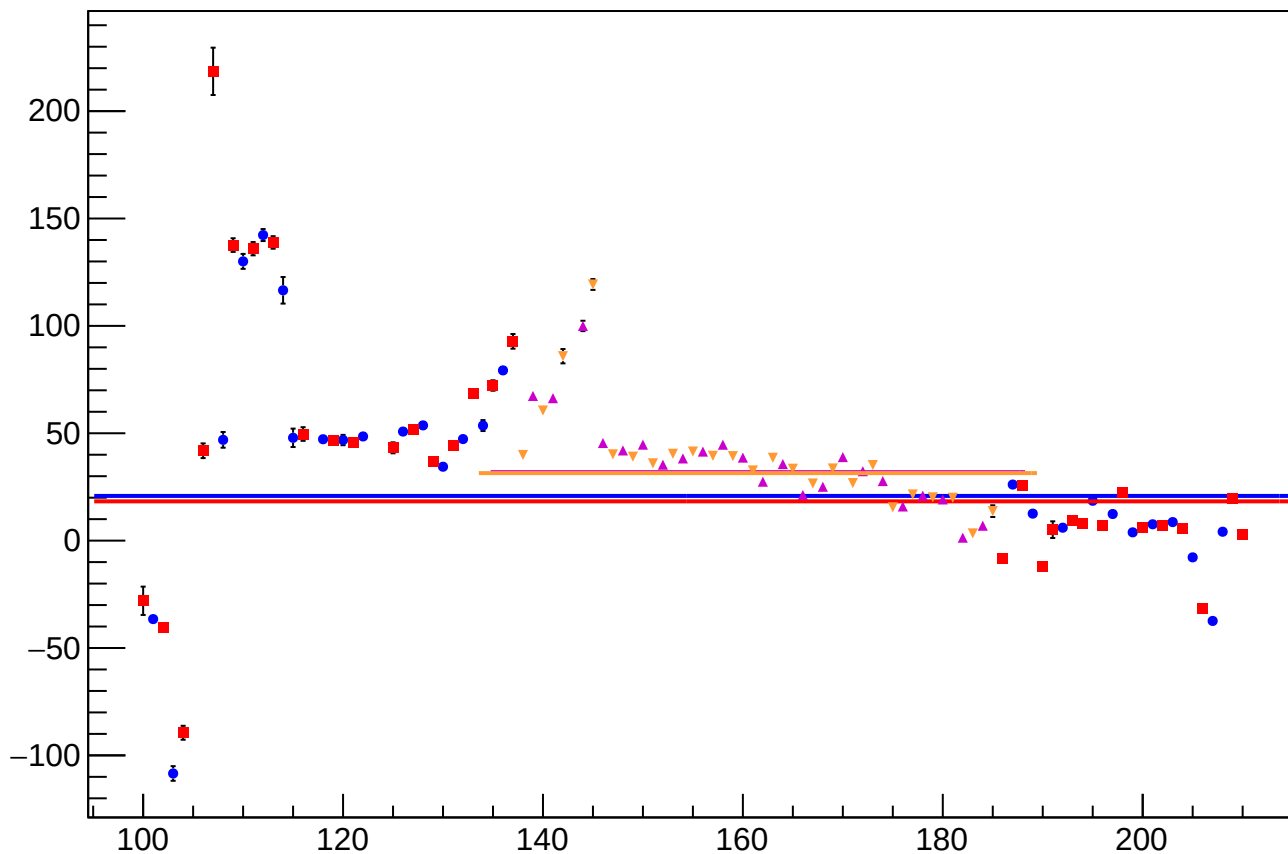
Left In: 5.292 ± 0.294 χ^2/NDF : 286.4/22

+ sign 6.362 ± 0.236 χ^2/NDF : 1344.3/50

All: 6.596 ± 0.166 χ^2/NDF : 2324.7/105

- sign 6.824 ± 0.233 χ^2/NDF : 978.4/54

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 20.819 $\pm$ 0.366 χ^2 /NDF: 10703.0/26

Left Out: 31.439 $\pm$ 0.376 χ^2 /NDF: 2762.0/23

Right Out: 18.288 $\pm$ 0.307 χ^2 /NDF: 12677.2/31

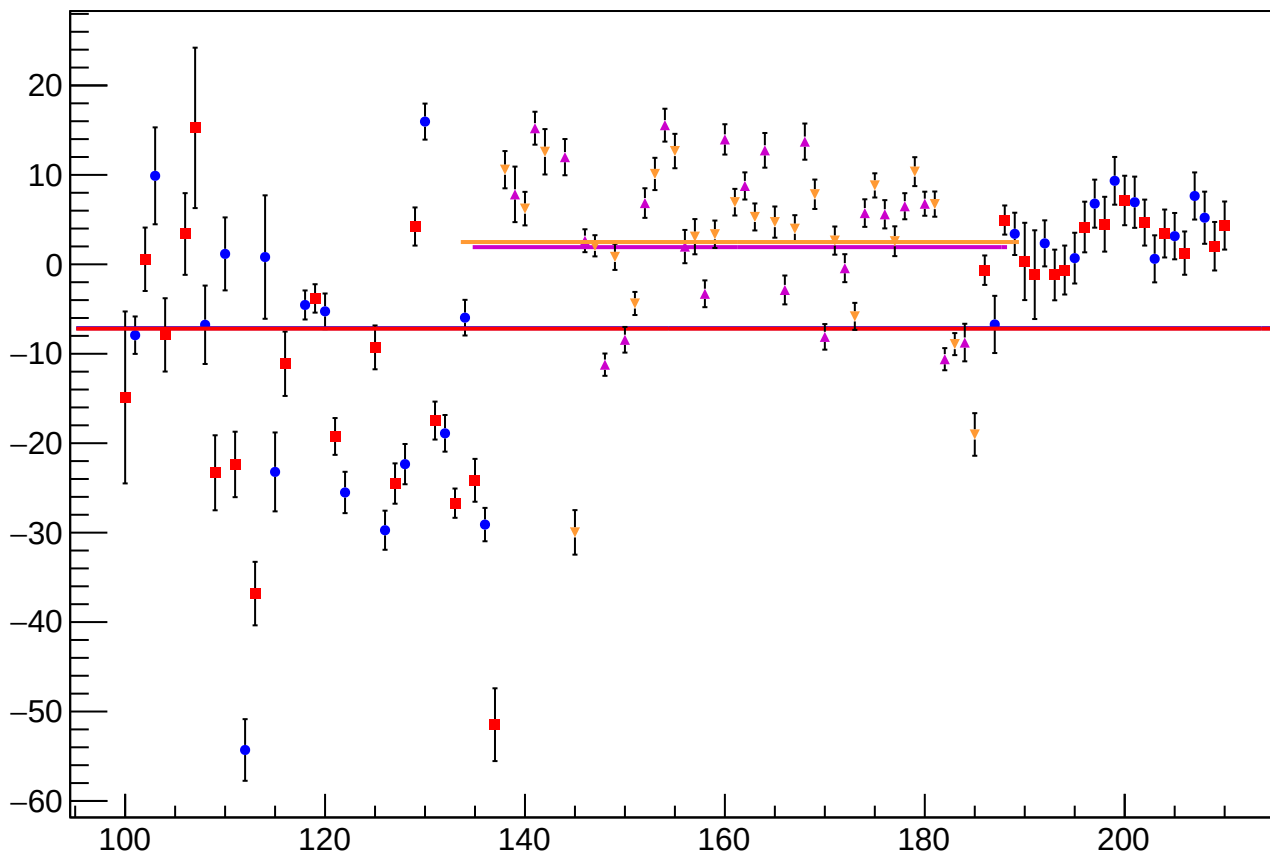
Left In: 31.895 $\pm$ 0.378 χ^2 /NDF: 2767.3/22

+ sign 25.998 $\pm$ 0.262 χ^2 /NDF: 13874.7/50

All: 24.738 $\pm$ 0.176 χ^2 /NDF: 30141.7/105

- sign 23.697 $\pm$ 0.238 χ^2 /NDF: 16224.8/54

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -7.143 ± 0.483 χ^2/NDF : 942.5/26

Left Out: 2.494 ± 0.327 χ^2/NDF : 558.7/23

Right Out: -7.194 ± 0.459 χ^2/NDF : 804.0/31

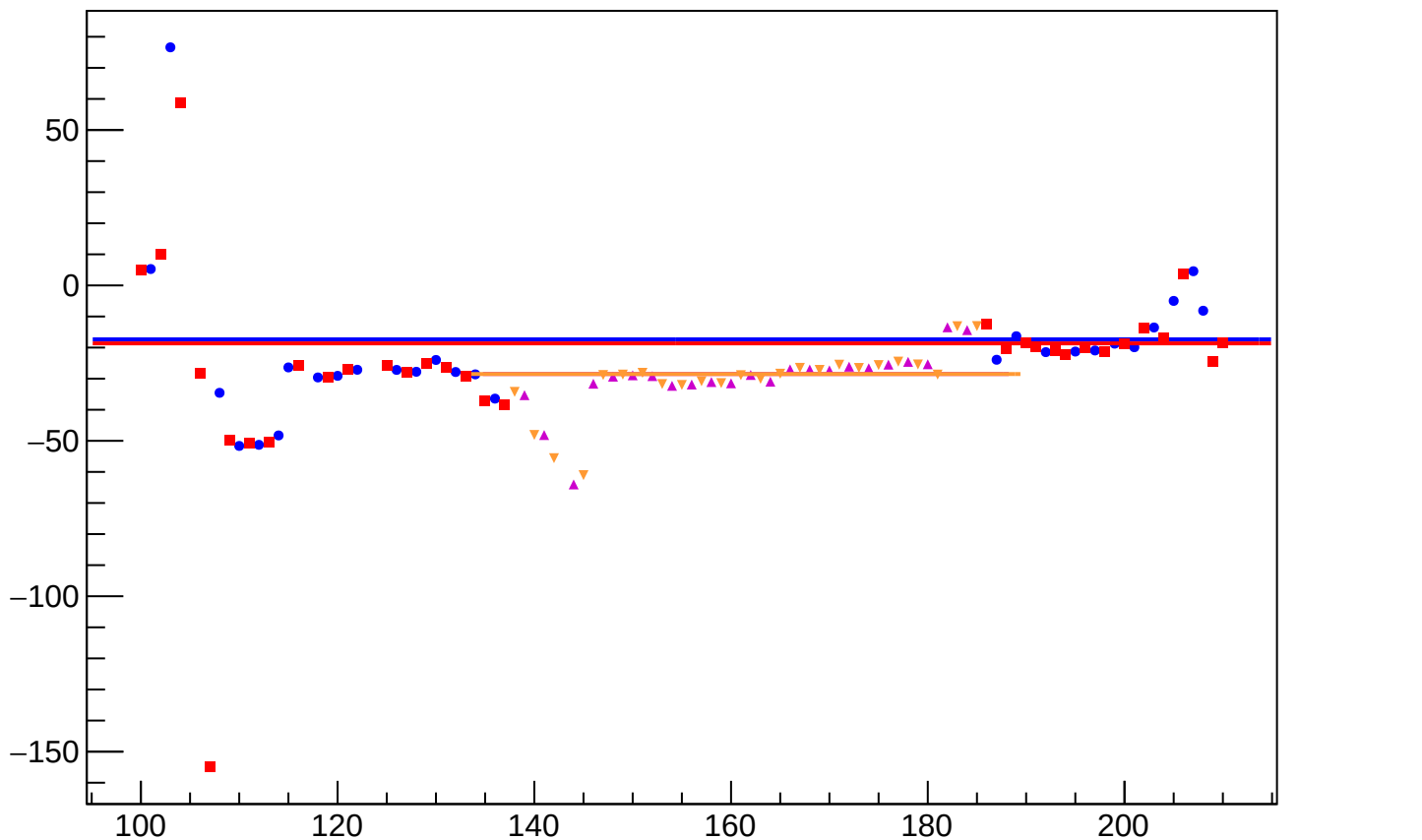
Left In: 1.921 ± 0.332 χ^2/NDF : 678.8/22

+ sign -0.532 ± 0.271 χ^2/NDF : 1774.4/50

All: -0.872 ± 0.191 χ^2/NDF : 3519.1/105

- sign -1.207 ± 0.269 χ^2/NDF : 1741.6/54

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -17.342 ± 0.022 $\chi^2/\text{NDF}: 726504.4/26$

Left Out: -28.513 ± 0.015 $\chi^2/\text{NDF}: 333774.3/23$

Right Out: -18.643 ± 0.021 $\chi^2/\text{NDF}: 625356.4/31$

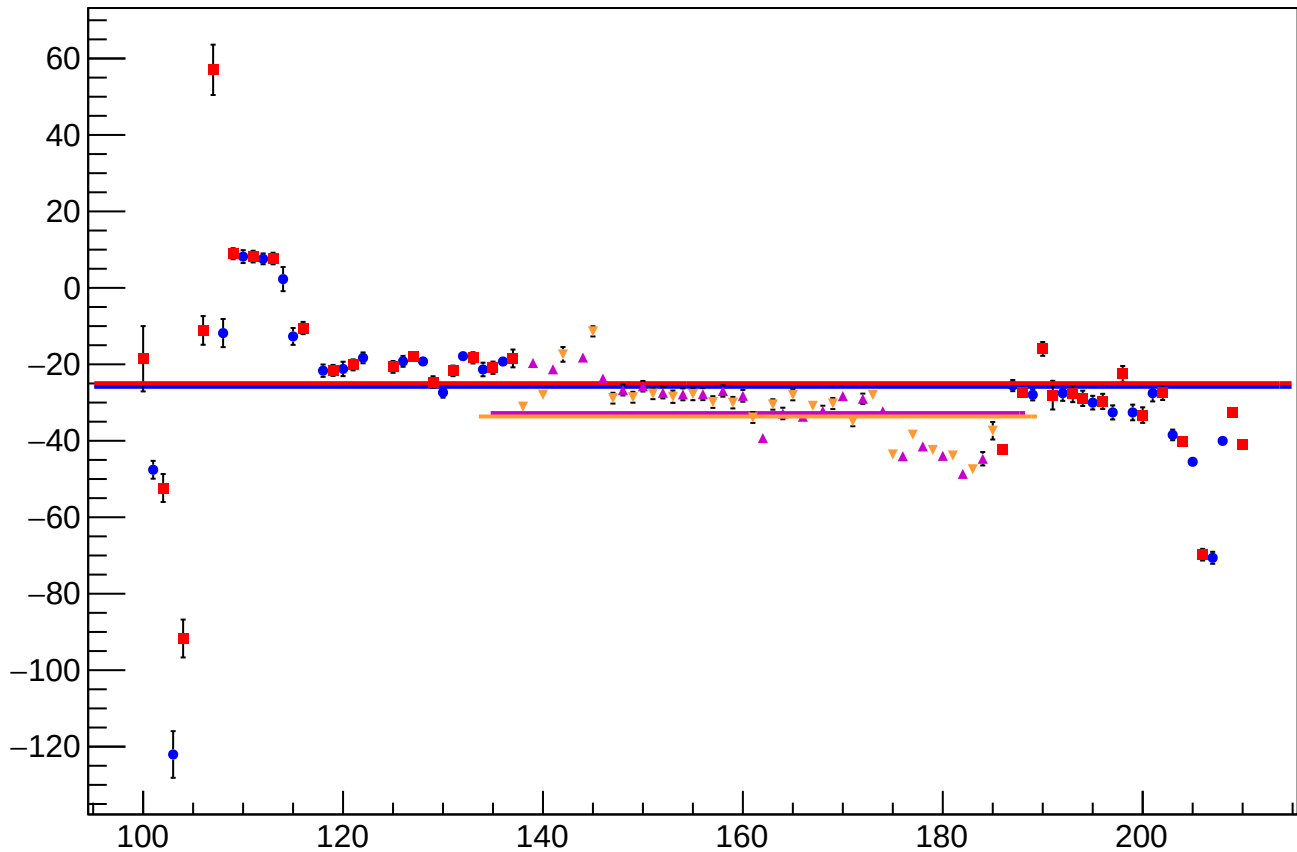
Left In: -28.495 ± 0.015 $\chi^2/\text{NDF}: 287757.4/22$

+ sign -25.149 ± 0.012 $\chi^2/\text{NDF}: 1232640.0/50$

All: -25.225 ± 0.009 $\chi^2/\text{NDF}: 2289482.3/105$

- sign -25.298 ± 0.012 $\chi^2/\text{NDF}: 1056769.1/54$

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -25.874 ± 0.306 χ^2/NDF : 2953.2/26

Left Out: -33.643 ± 0.265 χ^2/NDF : 1015.9/23

Right Out: -24.918 ± 0.281 χ^2/NDF : 3599.7/31

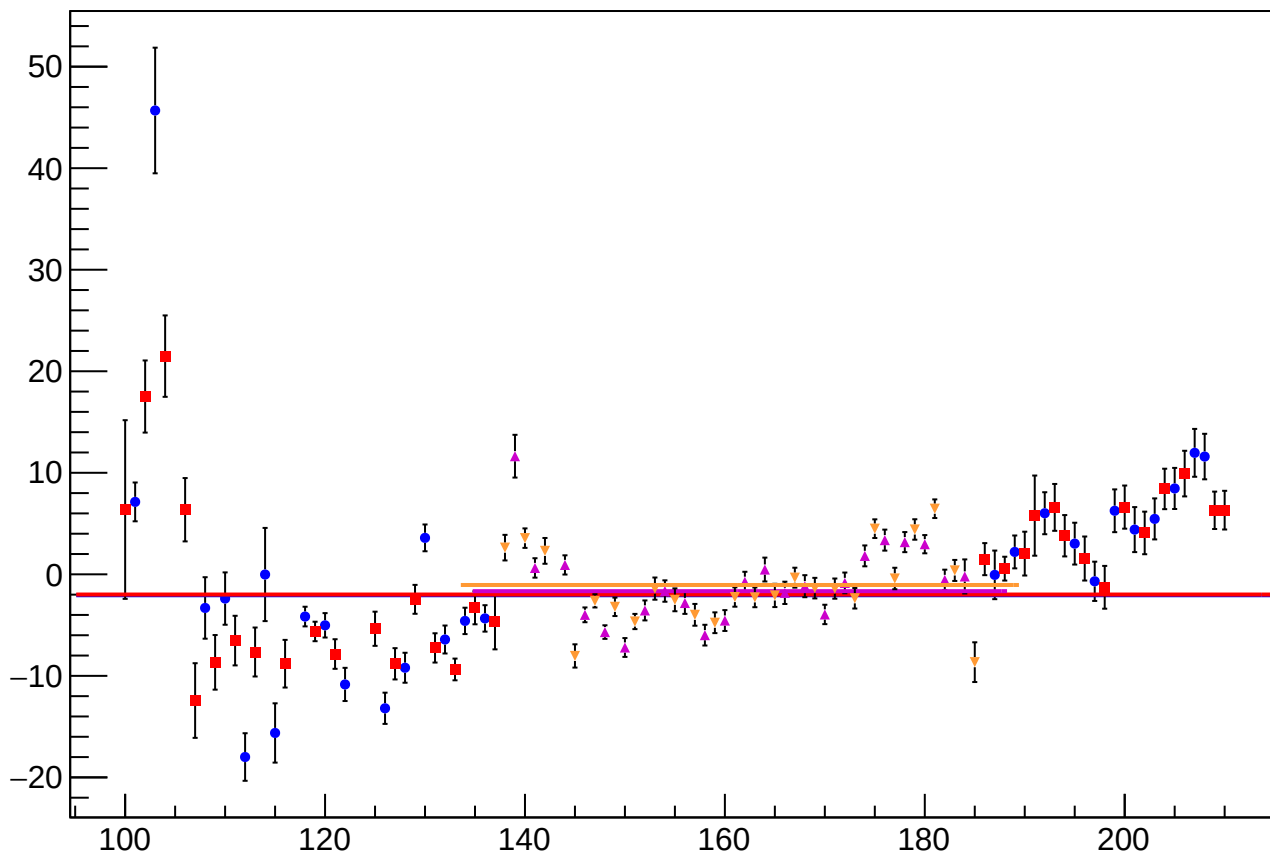
Left In: -32.750 ± 0.269 χ^2/NDF : 1143.5/22

+ sign -30.310 ± 0.200 χ^2/NDF : 4337.5/50

All: -29.637 ± 0.139 χ^2/NDF : 9509.1/105

- sign -29.006 ± 0.194 χ^2/NDF : 5149.7/54

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.061 ± 0.337 $\chi^2/\text{NDF}: 468.6/26$

Left Out: -1.050 ± 0.203 $\chi^2/\text{NDF}: 289.4/23$

Right Out: -1.990 ± 0.326 $\chi^2/\text{NDF}: 382.1/31$

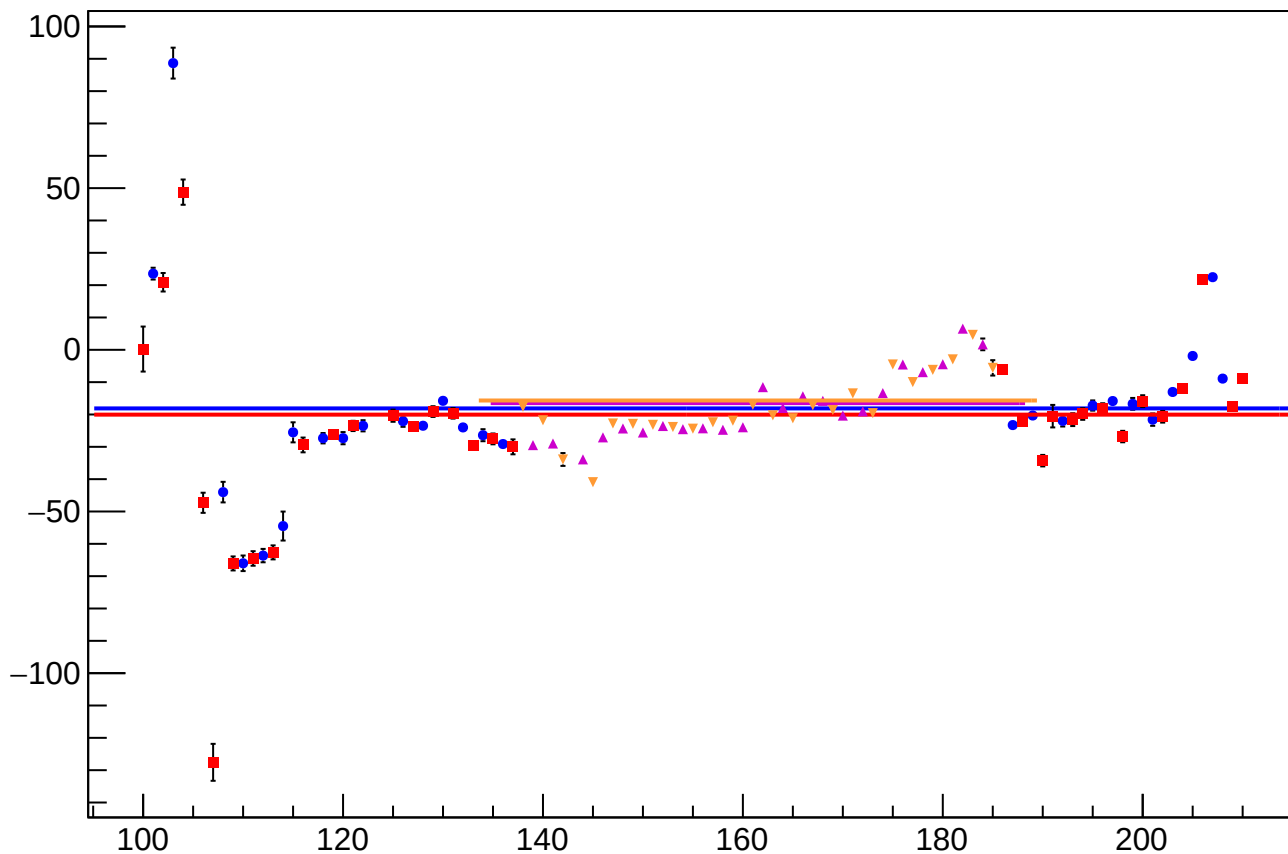
Left In: -1.659 ± 0.207 $\chi^2/\text{NDF}: 264.4/22$

+ sign -1.319 ± 0.174 $\chi^2/\text{NDF}: 764.7/50$

All: -1.535 ± 0.123 $\chi^2/\text{NDF}: 1415.0/105$

- sign -1.754 ± 0.175 $\chi^2/\text{NDF}: 647.2/54$

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -18.121 ± 0.314 χ^2/NDF : 3259.7/26

Left Out: -15.674 ± 0.263 χ^2/NDF : 1520.8/23

Right Out: -20.046 ± 0.281 χ^2/NDF : 3568.9/31

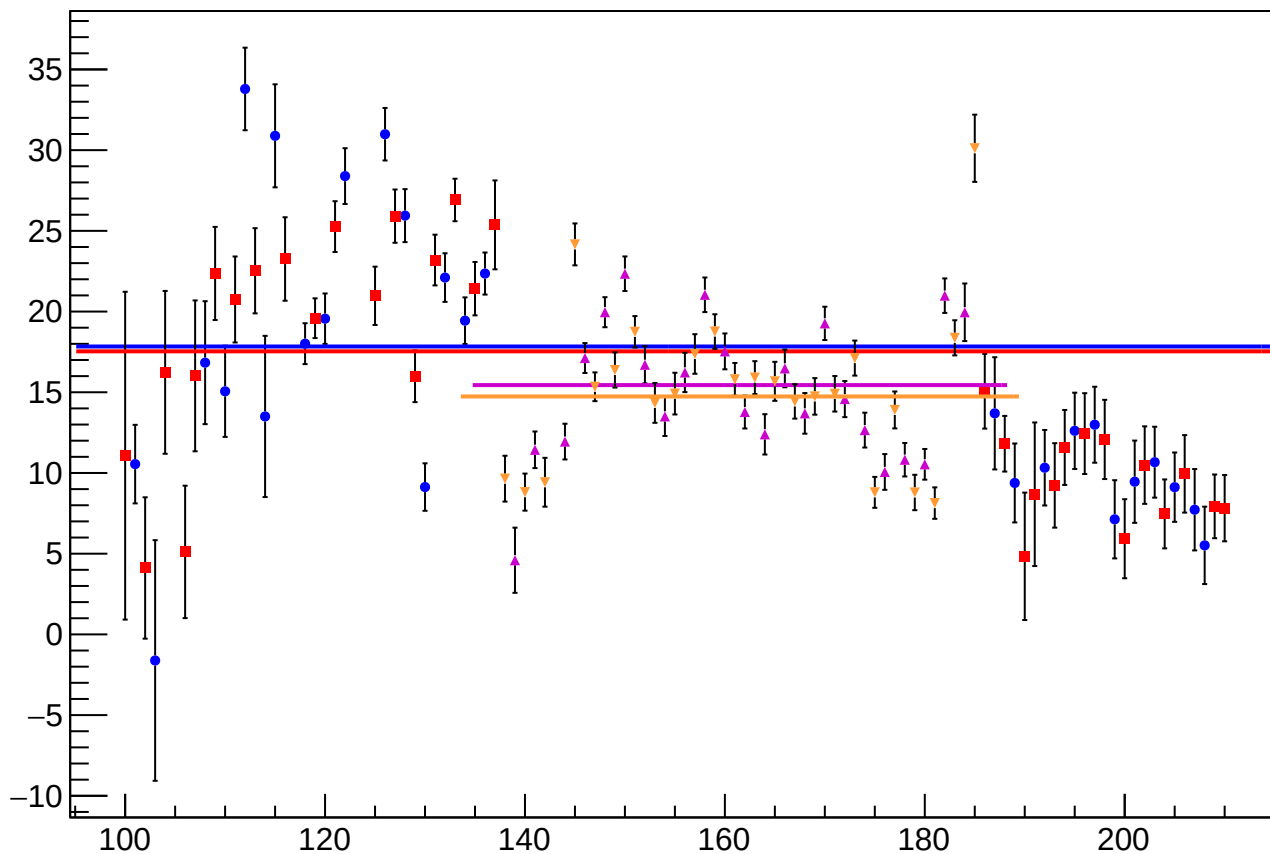
Left In: -16.480 ± 0.266 χ^2/NDF : 1697.7/22

+ sign -16.682 ± 0.202 χ^2/NDF : 4816.2/50

All: -17.456 ± 0.139 χ^2/NDF : 10196.0/105

- sign -18.166 ± 0.193 χ^2/NDF : 5351.6/54

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 17.836 $\pm$ 0.388 χ^2 /NDF: 390.6/26

Left Out: 14.740 $\pm$ 0.229 χ^2 /NDF:331.0/23

Right Out: 17.536 $\pm$ 0.381 χ^2 /NDF: 328.1/31

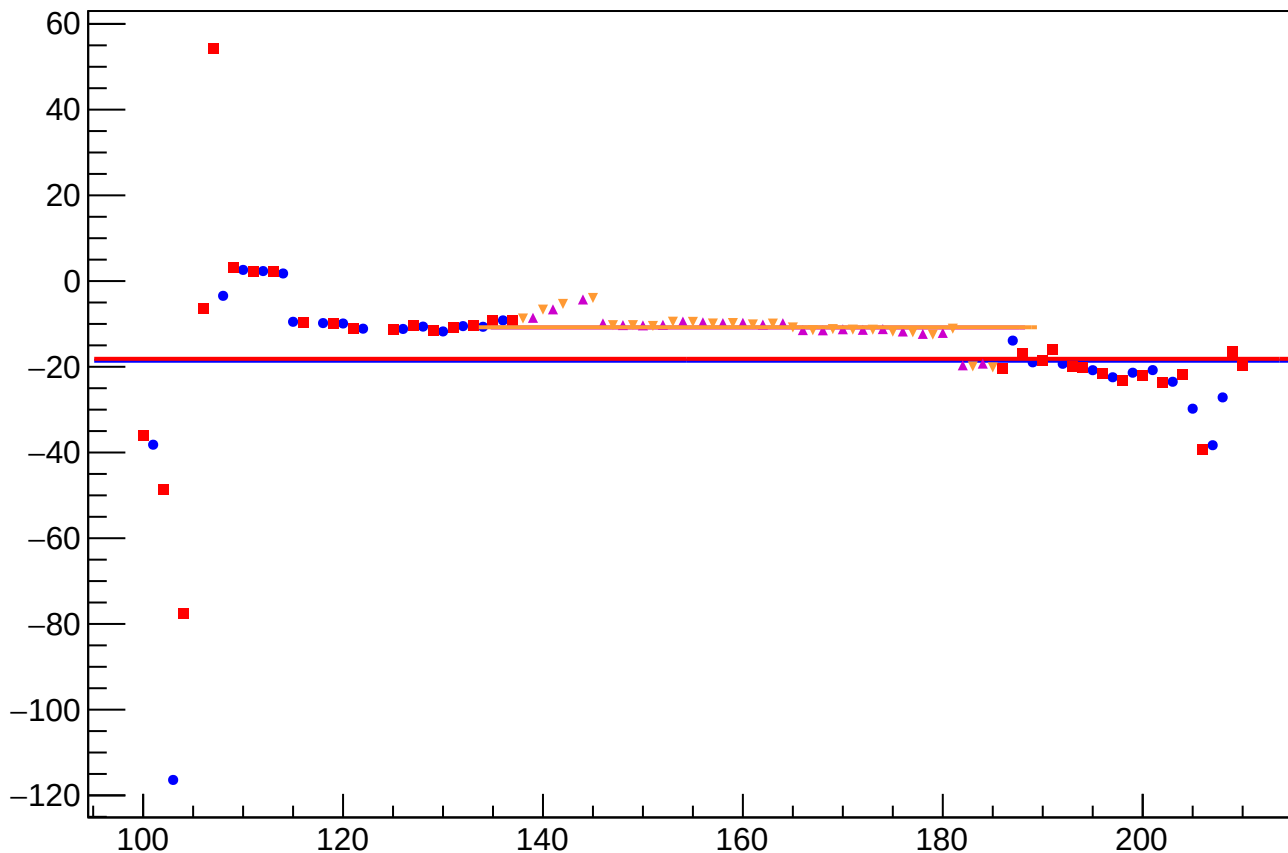
Left In: 15.444 $\pm$ 0.233 χ^2 /NDF:290.4/22

+ sign 15.542 $\pm$ 0.197 χ^2 /NDF: 768.8/50

All: 15.776 $\pm$ 0.140 χ^2 /NDF: 1412.0/105

- sign 16.014 $\pm$ 0.199 χ^2 /NDF: 640.4/54

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -18.589 ± 0.019 $\chi^2/\text{NDF}: 453748.9/26$

Left Out: -10.778 ± 0.010 $\chi^2/\text{NDF}: 84755.9/23$

Right Out: -18.139 ± 0.018 $\chi^2/\text{NDF}: 432860.4/31$

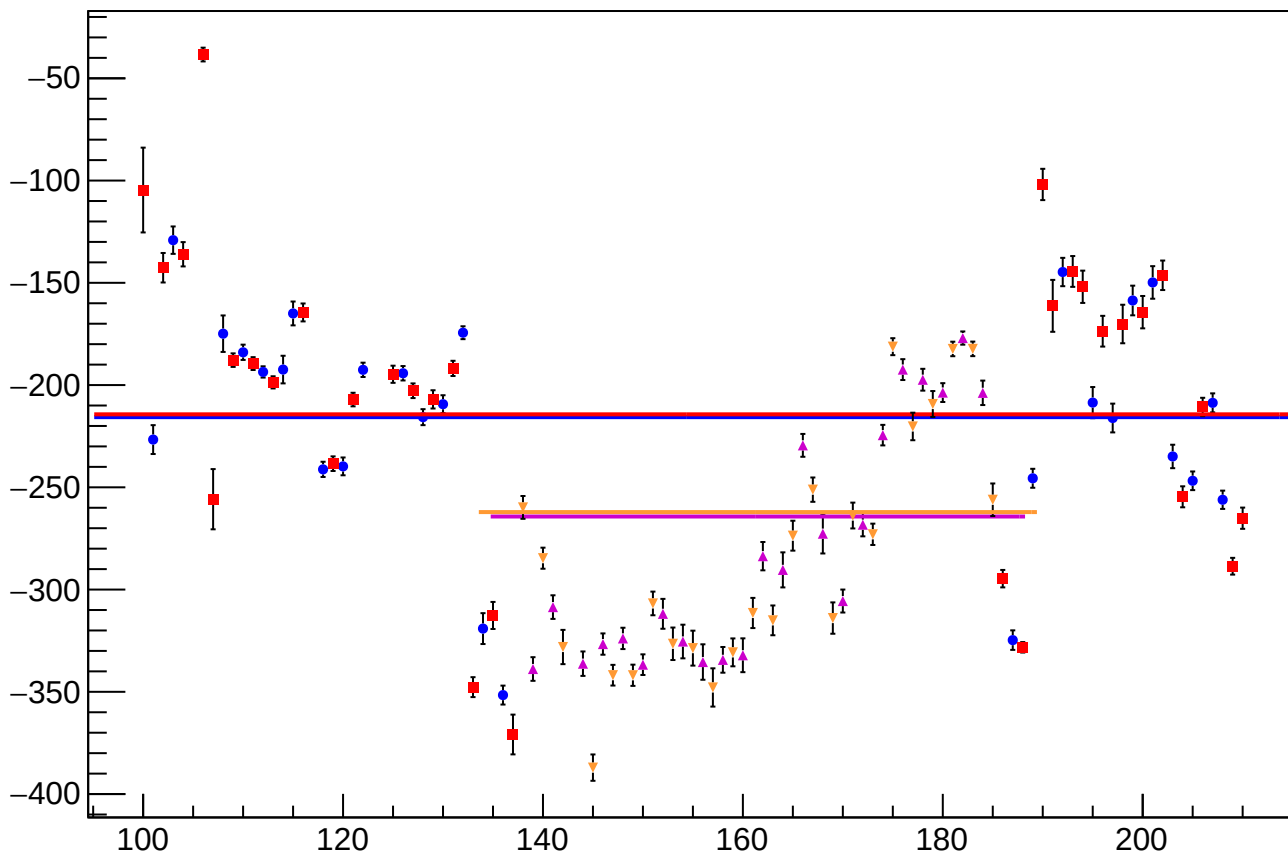
Left In: -10.834 ± 0.010 $\chi^2/\text{NDF}: 74113.9/22$

+ sign -12.543 ± 0.009 $\chi^2/\text{NDF}: 668794.9/50$

All: -12.562 ± 0.006 $\chi^2/\text{NDF}: 1295842.2/105$

- sign -12.582 ± 0.009 $\chi^2/\text{NDF}: 627037.7/54$

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -215.687 ± 0.899 χ^2/NDF : 2736.5/26

Left Out: -262.110 ± 1.179 χ^2/NDF : 2964.6/23

Right Out: -214.312 ± 0.812 χ^2/NDF : 8072.5/31

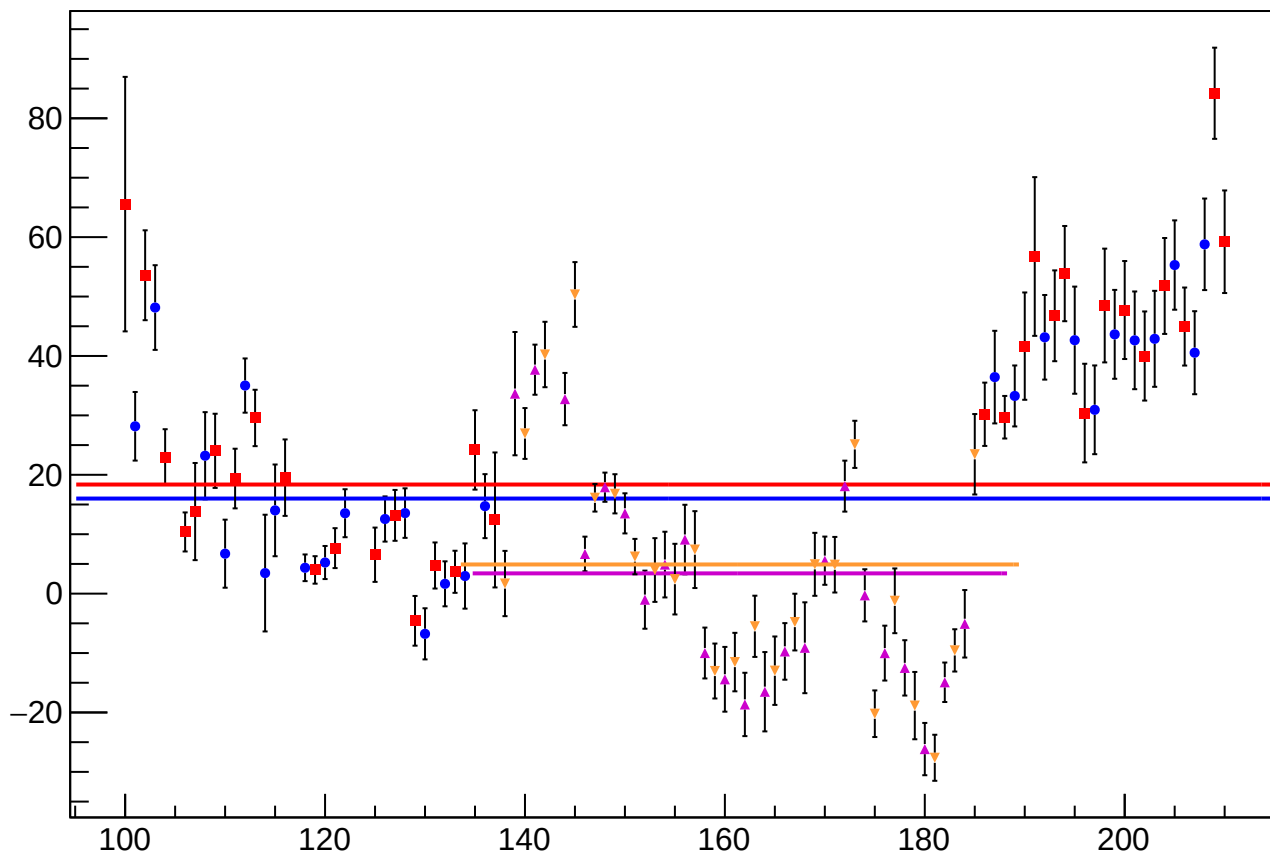
Left In: -264.272 ± 1.186 χ^2/NDF : 2741.9/22

+ sign -232.746 ± 0.715 χ^2/NDF : 6681.2/50

All: -231.427 ± 0.489 χ^2/NDF : 18710.5/105

- sign -230.268 ± 0.670 χ^2/NDF : 12023.0/54

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 16.003 ± 0.959 $\chi^2/\text{NDF}: 290.2/26$

Left Out: 4.909 ± 0.886 $\chi^2/\text{NDF}: 398.9/23$

Right Out: 18.362 ± 0.910 $\chi^2/\text{NDF}: 383.6/31$

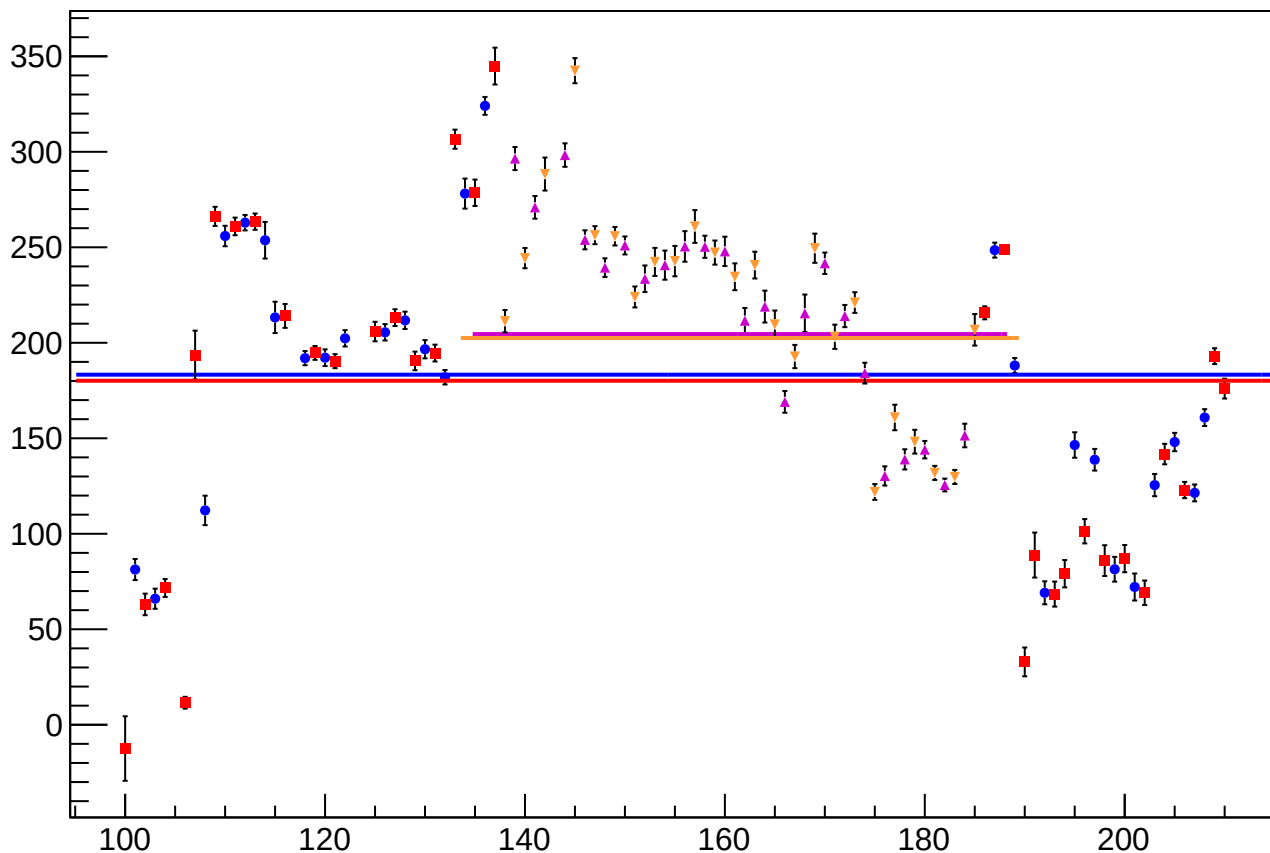
Left In: 3.409 ± 0.901 $\chi^2/\text{NDF}: 333.3/22$

+ sign 10.022 ± 0.651 $\chi^2/\text{NDF}: 761.3/50$

All: 10.424 ± 0.456 $\chi^2/\text{NDF}: 1615.5/105$

- sign 10.813 ± 0.640 $\chi^2/\text{NDF}: 853.4/54$

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 183.301 $\pm$ 0.955 χ^2 /NDF: 4317.2/26

Left Out: 202.511 $\pm$ 1.173 χ^2 /NDF: 2393.5/23

Right Out: 180.133 $\pm$ 0.838 χ^2 /NDF: 9498.2/31

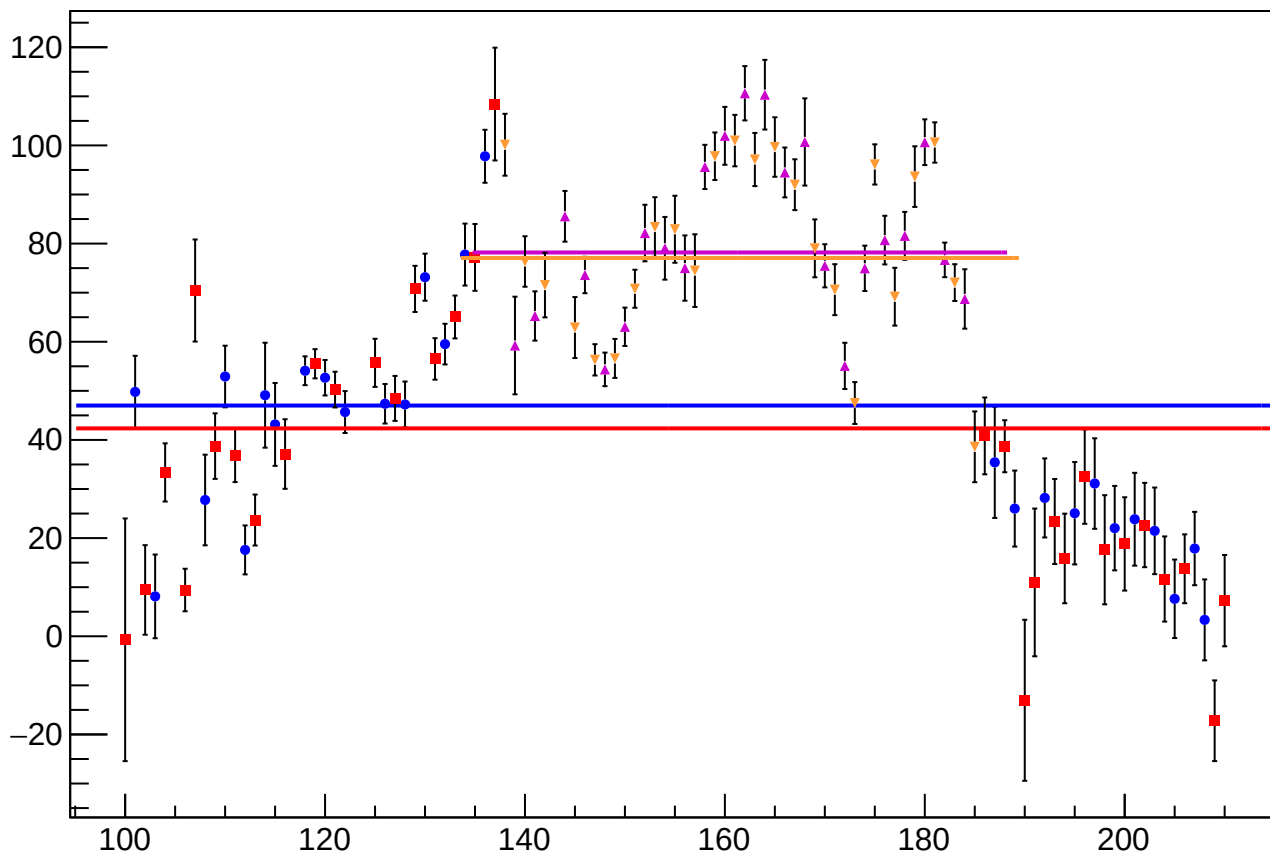
Left In: 204.560 $\pm$ 1.177 χ^2 /NDF: 2285.7/22

+ sign 190.964 $\pm$ 0.741 χ^2 /NDF: 6872.0/50

All: 189.552 $\pm$ 0.502 χ^2 /NDF: 18948.3/105

- sign 188.351 $\pm$ 0.683 χ^2 /NDF: 12069.6/54

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.005 ± 1.121 $\chi^2/\text{NDF}: 332.4/26$

Left Out: 77.061 ± 1.015 $\chi^2/\text{NDF}: 311.3/23$

Right Out: 42.349 ± 1.074 $\chi^2/\text{NDF}: 408.4/31$

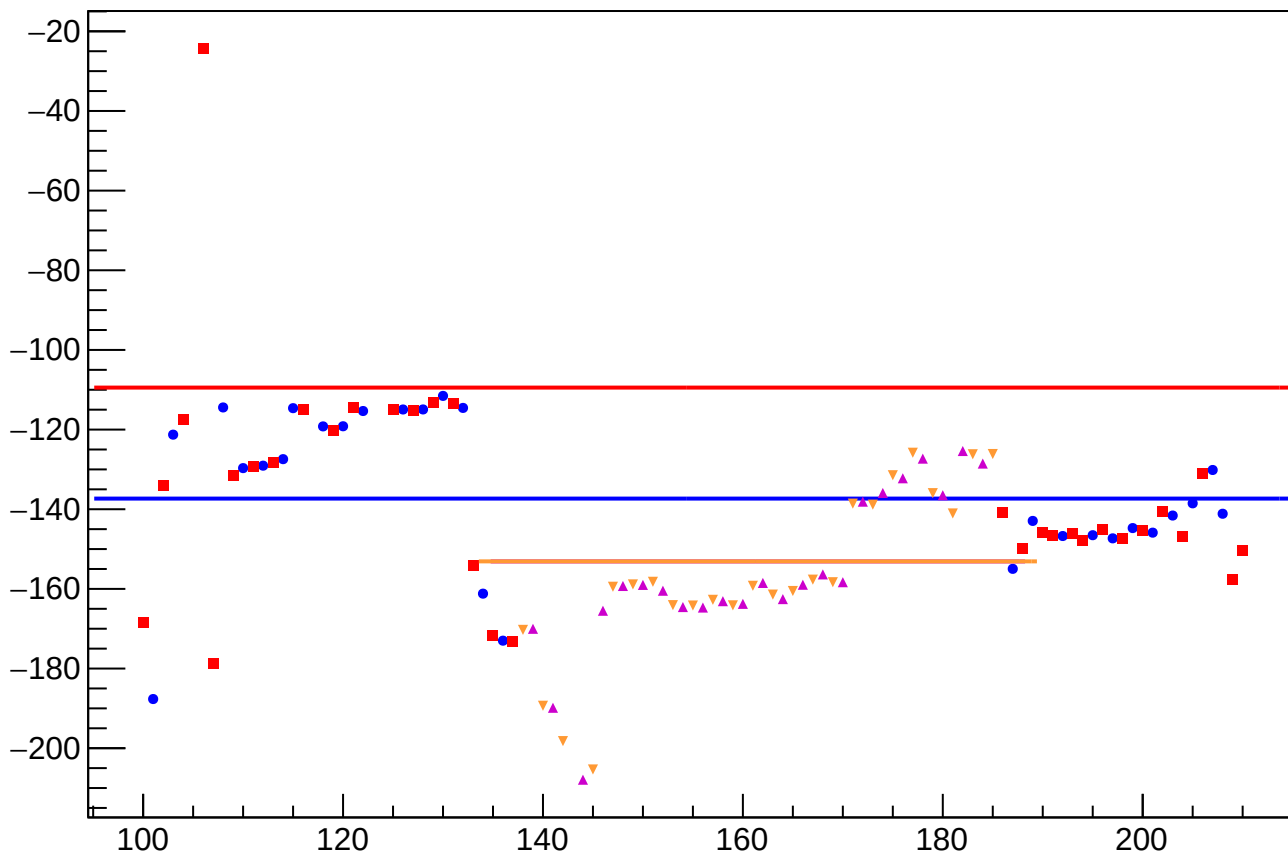
Left In: 78.189 ± 1.026 $\chi^2/\text{NDF}: 232.5/22$

+ sign 63.521 ± 0.753 $\chi^2/\text{NDF}: 1038.5/50$

All: 62.289 ± 0.528 $\chi^2/\text{NDF}: 2267.3/105$

- sign 61.093 ± 0.742 $\chi^2/\text{NDF}: 1223.5/54$

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -137.326 ± 0.061 $\chi^2/\text{NDF}: 103778.4/26$

Left Out: -153.090 ± 0.047 $\chi^2/\text{NDF}: 177552.0/23$

Right Out: -109.455 ± 0.051 $\chi^2/\text{NDF}: 1011490.5/31$

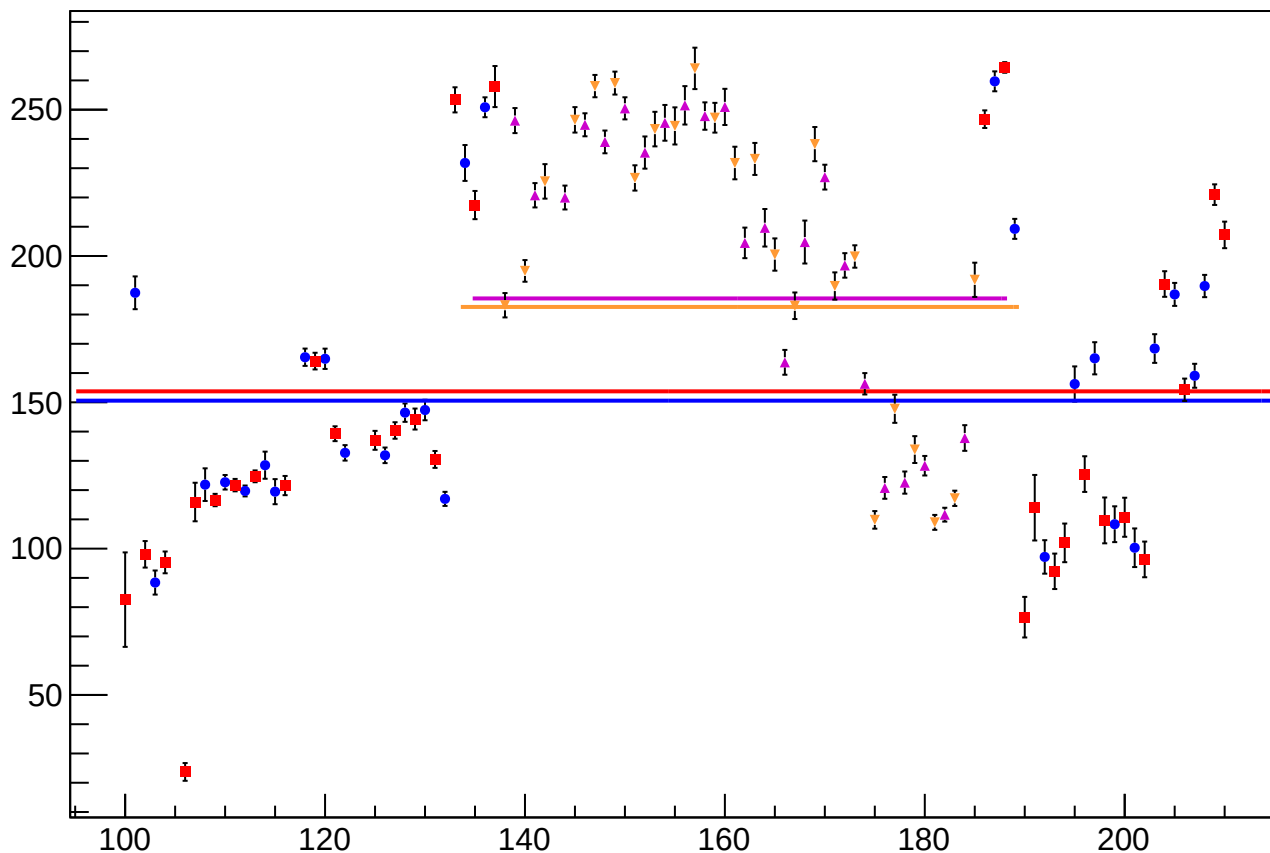
Left In: -153.103 ± 0.047 $\chi^2/\text{NDF}: 166644.2/22$

+ sign -147.240 ± 0.037 $\chi^2/\text{NDF}: 323227.3/50$

All: -139.735 ± 0.025 $\chi^2/\text{NDF}: 1974505.7/10$

- sign -133.295 ± 0.034 $\chi^2/\text{NDF}: 1575681.1/54$

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 150.565 $\pm$ 0.678 χ^2 /NDF: 3884.5/26

Left Out: 182.591 $\pm$ 0.866 χ^2 /NDF: 4152.3/23

Right Out: 153.749 $\pm$ 0.610 χ^2 /NDF: 9983.0/31

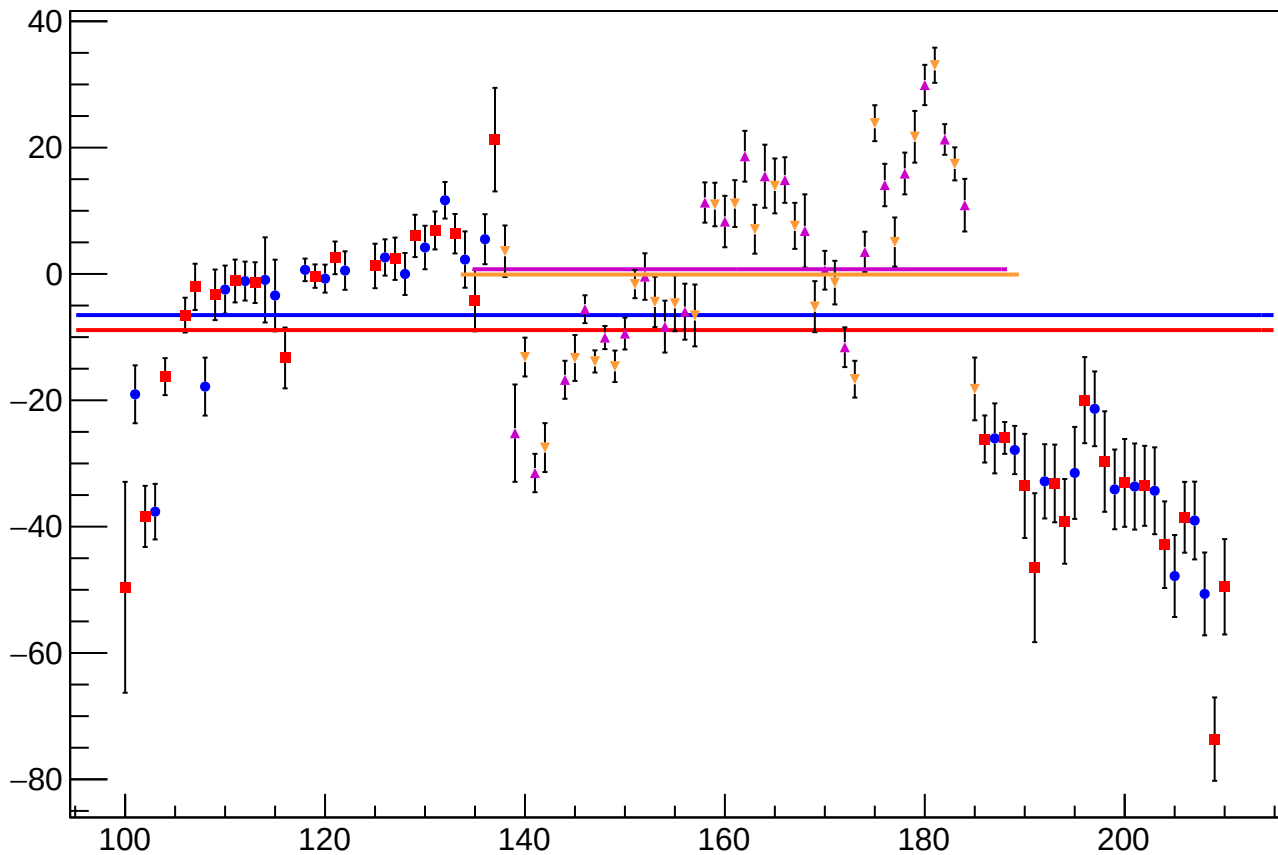
Left In: 185.497 $\pm$ 0.872 χ^2 /NDF: 3822.2/22

+ sign 162.746 $\pm$ 0.534 χ^2 /NDF: 8884.4/50

All: 163.501 $\pm$ 0.365 χ^2 /NDF: 23583.3/105

- sign 164.163 $\pm$ 0.500 χ^2 /NDF: 14695.1/54

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -6.511 $\pm$ 0.735 χ^2/NDF : 420.2/26

Left Out: -0.092 $\pm$ 0.655 χ^2/NDF : 555.3/23

Right Out: -8.887 $\pm$ 0.689 χ^2/NDF : 550.4/31

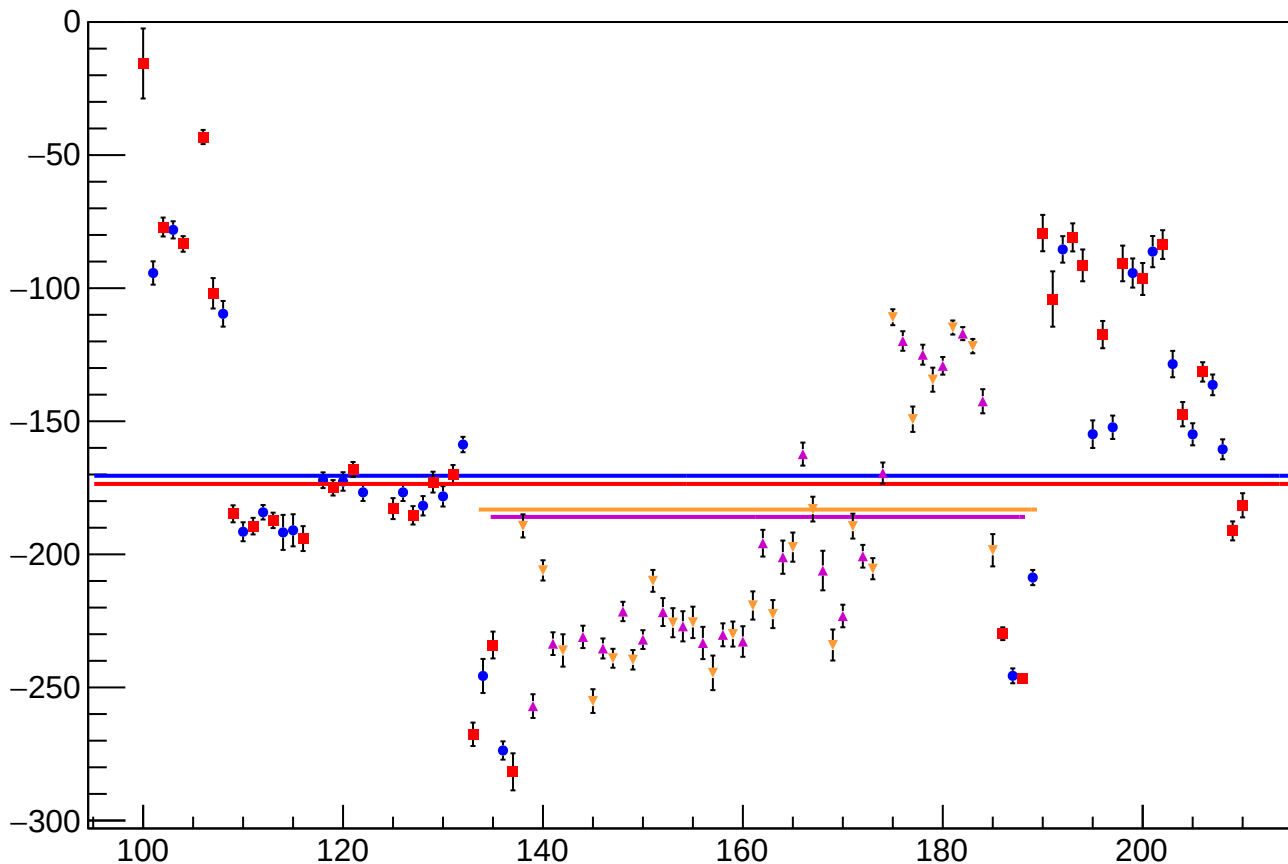
Left In: 0.747 $\pm$ 0.665 χ^2/NDF : 497.8/22

+ sign -2.931 $\pm$ 0.489 χ^2/NDF : 1018.0/50

All: -3.426 $\pm$ 0.342 χ^2/NDF : 2169.3/105

- sign -3.900 $\pm$ 0.479 χ^2/NDF : 1149.3/54

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -170.473 ± 0.727 χ^2/NDF : 4233.0/26

Left Out: -183.175 ± 0.862 χ^2/NDF : 3361.2/23

Right Out: -173.546 ± 0.632 χ^2/NDF : 10024.4/31

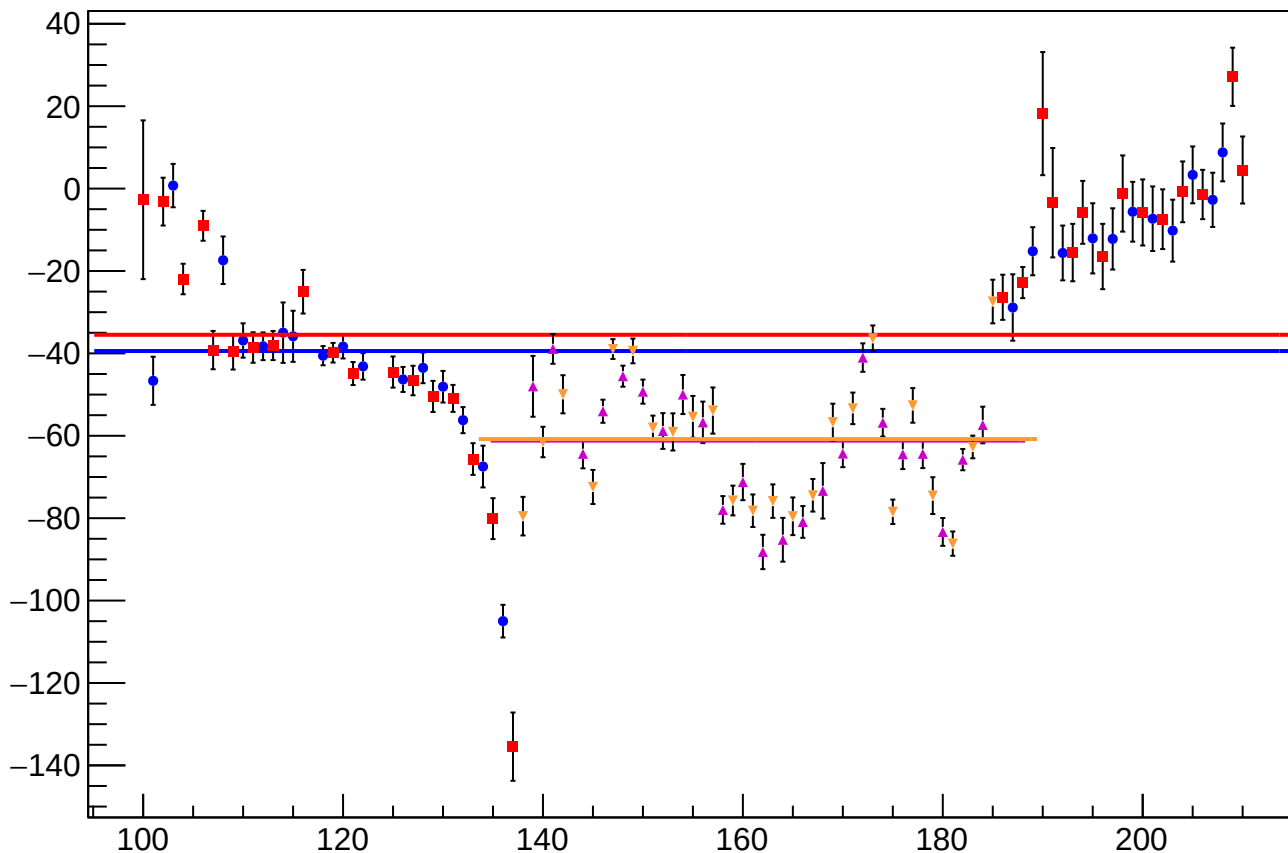
Left In: -185.936 ± 0.867 χ^2/NDF : 3181.6/22

+ sign -175.748 ± 0.556 χ^2/NDF : 7721.1/50

All: -176.883 ± 0.376 χ^2/NDF : 21068.2/105

- sign -177.841 ± 0.511 χ^2/NDF : 13339.4/54

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -39.424 $\pm$ 0.859 χ^2 /NDF: 647.1/26

Left Out: -60.801 $\pm$ 0.749 χ^2 /NDF: 474.0/23

Right Out: -35.482 $\pm$ 0.815 χ^2 /NDF: 724.4/31

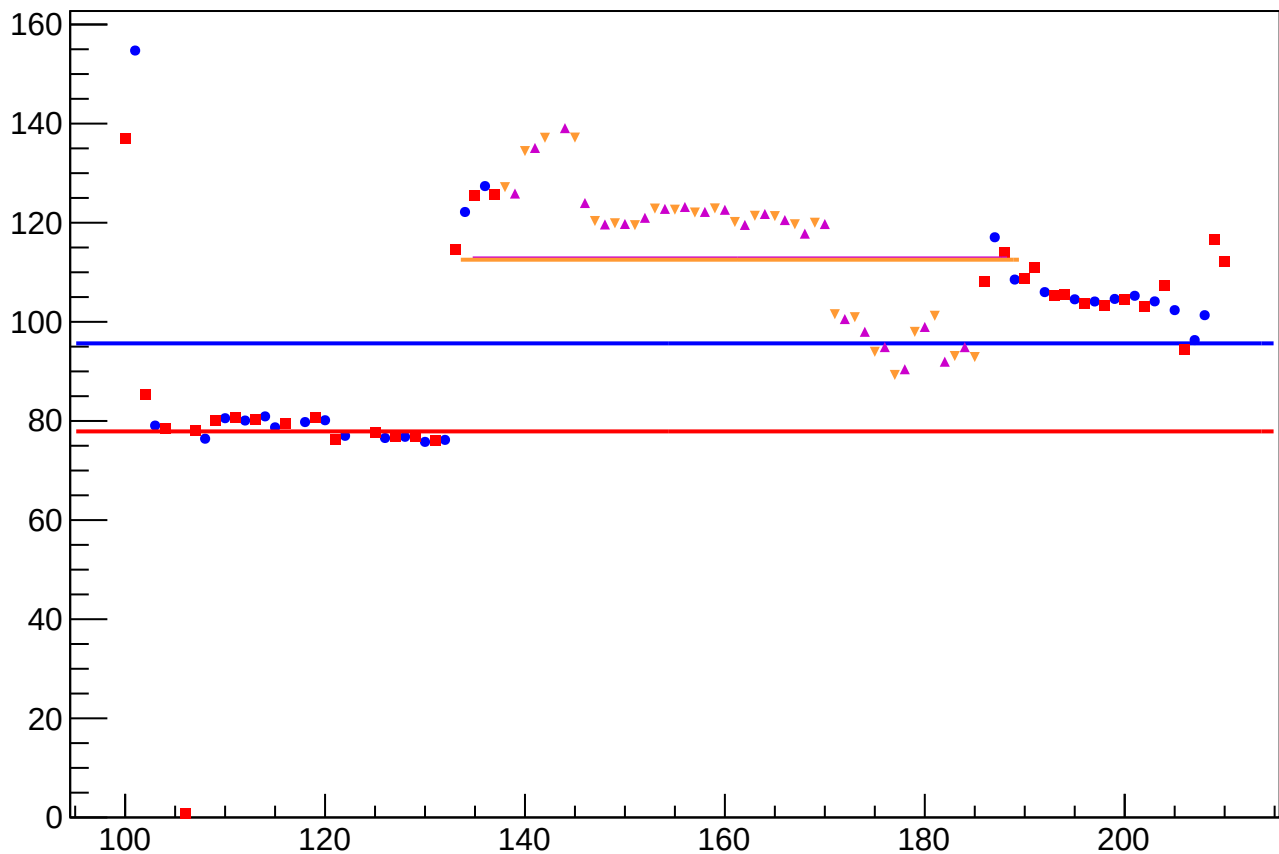
Left In: -61.172 $\pm$ 0.757 χ^2 /NDF: 316.9/22

+ sign -51.573 $\pm$ 0.565 χ^2 /NDF: 1472.8/50

All: -50.407 $\pm$ 0.396 χ^2 /NDF: 3055.8/105

- sign -49.282 $\pm$ 0.555 χ^2 /NDF: 1574.6/54

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 95.657+/-0.047 χ^2/NDF : 183063.8/26

Left Out: 112.539+/-0.035 χ^2/NDF : 174512.4/23

Right Out: 77.894+/-0.040 χ^2/NDF : 906185.2/31

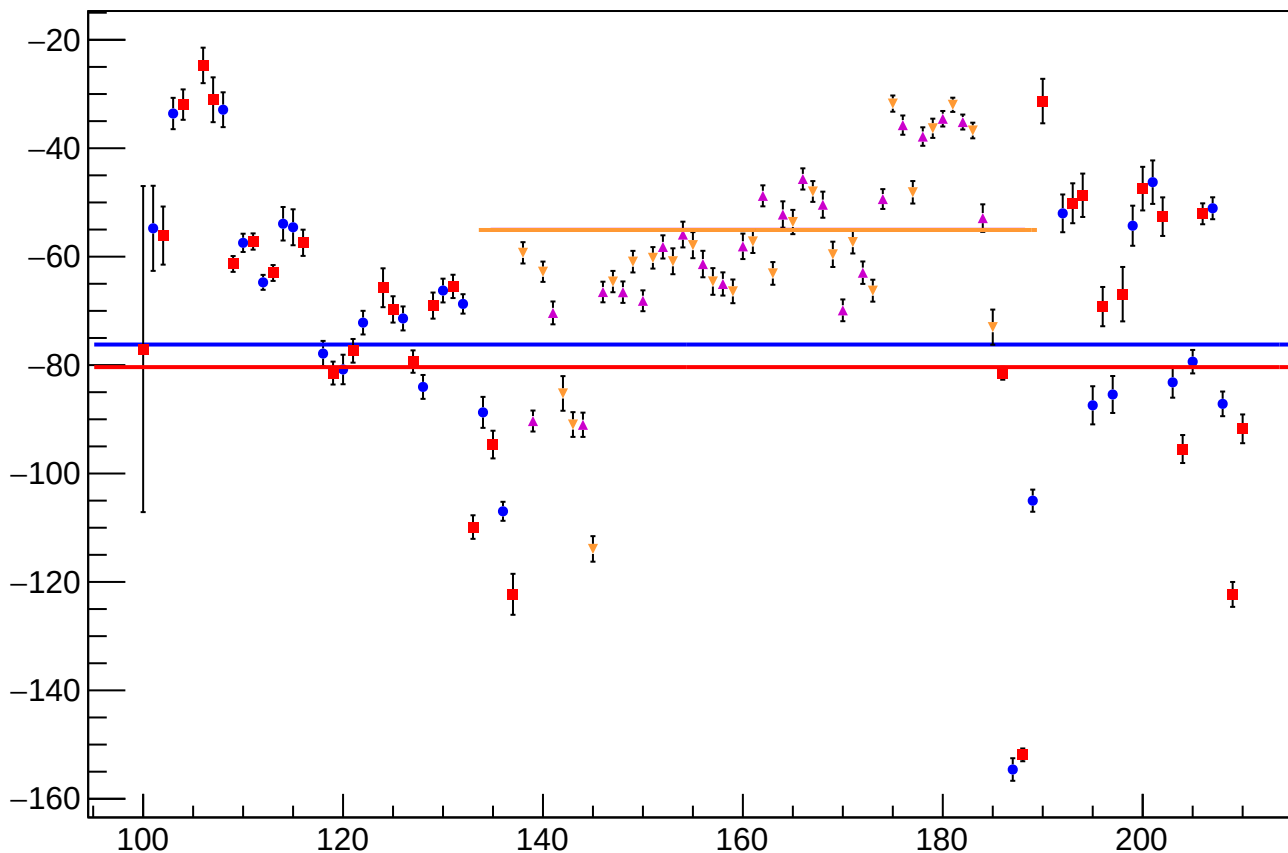
Left In: 112.795+/-0.034 χ^2/NDF : 171662.8/22

+ sign 106.555+/-0.028 χ^2/NDF : 442051.5/50

All: 102.076+/-0.019 χ^2/NDF : 2001718.5/109

- sign 98.094+/-0.026 χ^2/NDF : 1510584.1/54

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -76.209 ± 0.454 χ^2/NDF : 3043.6/26

Left Out: -55.077 ± 0.401 χ^2/NDF : 2002.8/24

Right Out: -80.373 ± 0.400 χ^2/NDF : 6530.1/31

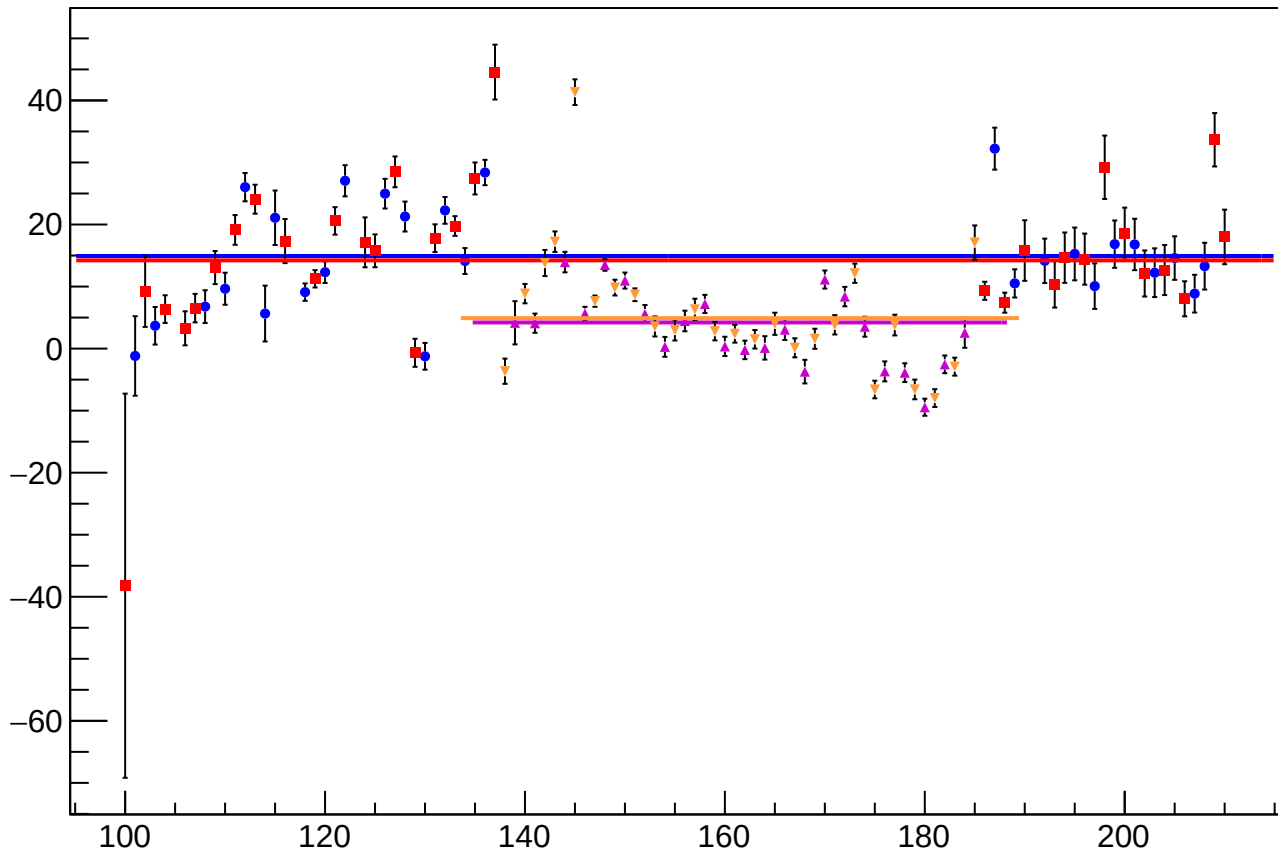
Left In: -55.050 ± 0.410 χ^2/NDF : 1541.8/22

+ sign -64.319 ± 0.300 χ^2/NDF : 6263.7/51

All: -66.260 ± 0.207 χ^2/NDF : 16365.8/106

- sign -68.027 ± 0.287 χ^2/NDF : 10022.4/54

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.929 ± 0.506 χ^2/NDF : 279.4/26

Left Out: 4.910 ± 0.301 χ^2/NDF : 741.5/24

Right Out: 14.225 ± 0.458 χ^2/NDF : 310.9/31

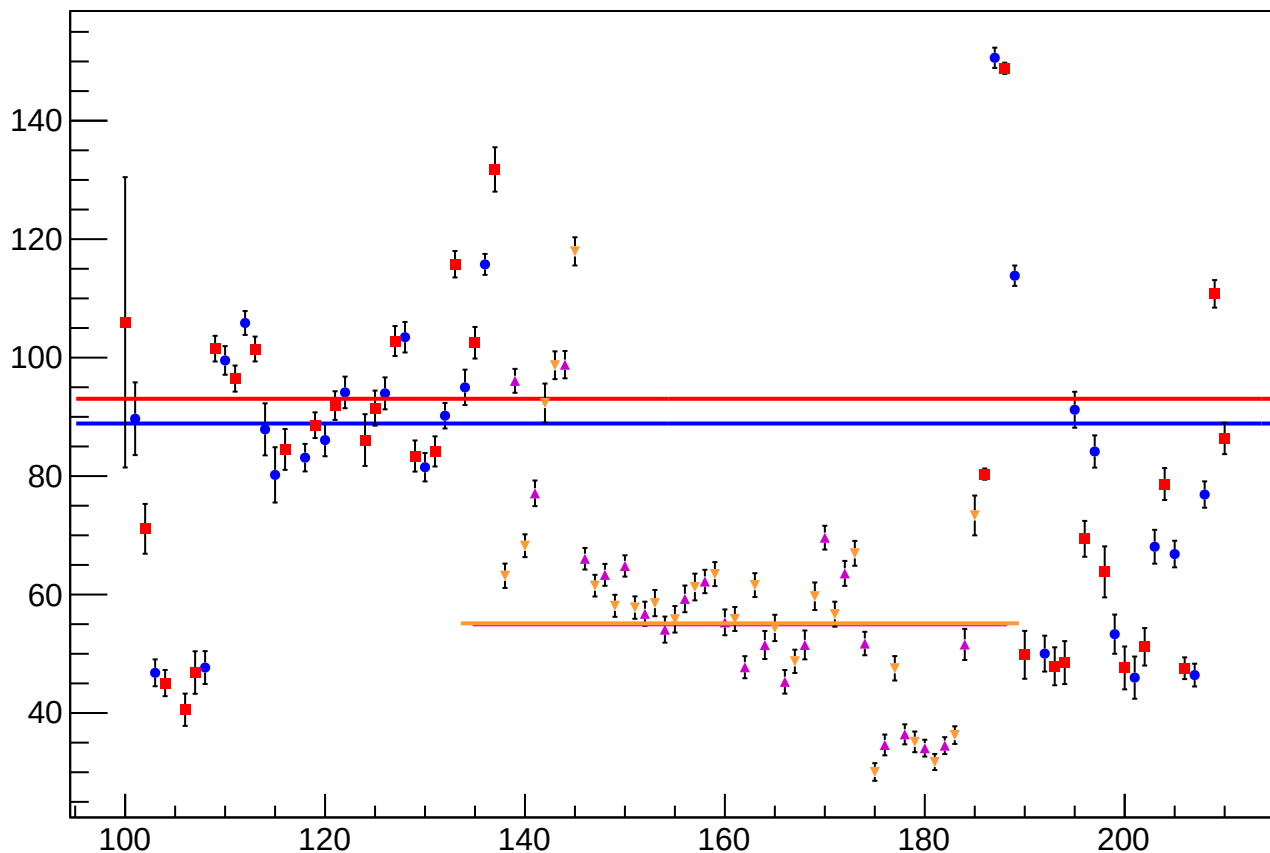
Left In: 4.215 ± 0.312 χ^2/NDF : 415.1/22

+ sign 7.532 ± 0.259 χ^2/NDF : 1310.1/51

All: 7.460 ± 0.183 χ^2/NDF : 2361.9/106

- sign 7.388 ± 0.258 χ^2/NDF : 1051.6/54

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 88.875 $\pm$ 0.475 χ^2 /NDF: 3559.4/26

Left Out: 55.142 $\pm$ 0.397 χ^2 /NDF:2242.4/24

Right Out: 93.053 $\pm$ 0.402 χ^2 /NDF: 6598.1/31

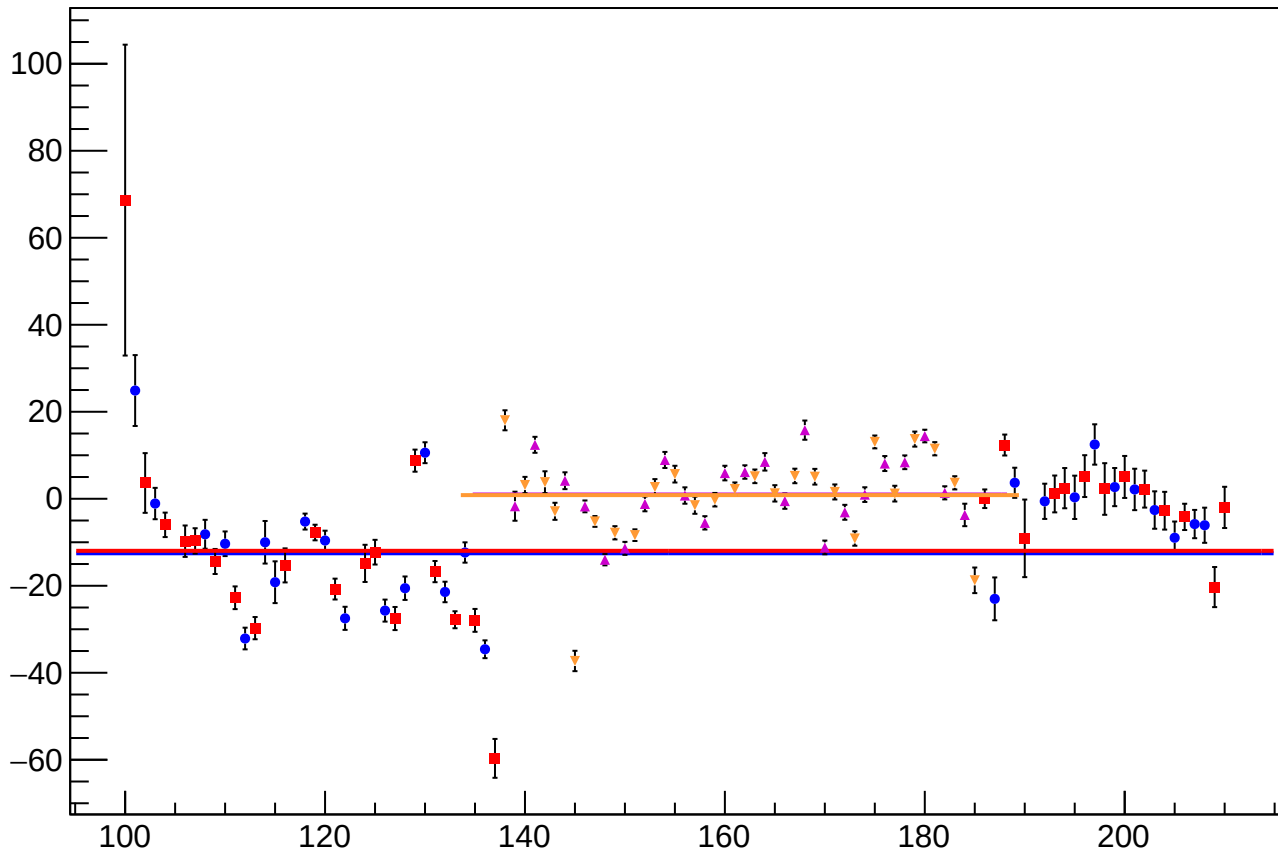
Left In: 54.972 $\pm$ 0.406 χ^2 /NDF:1780.5/22

+ sign 69.013 $\pm$ 0.305 χ^2 /NDF: 8772.0/51

All: 71.766 $\pm$ 0.208 χ^2 /NDF: 21751.6/106

- sign 74.184 $\pm$ 0.285 χ^2 /NDF: 12826.2/54

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -12.534 ± 0.586 χ^2/NDF : 511.3/26

Left Out: 0.840 ± 0.343 χ^2/NDF : 717.2/24

Right Out: -11.967 ± 0.547 χ^2/NDF : 637.4/31

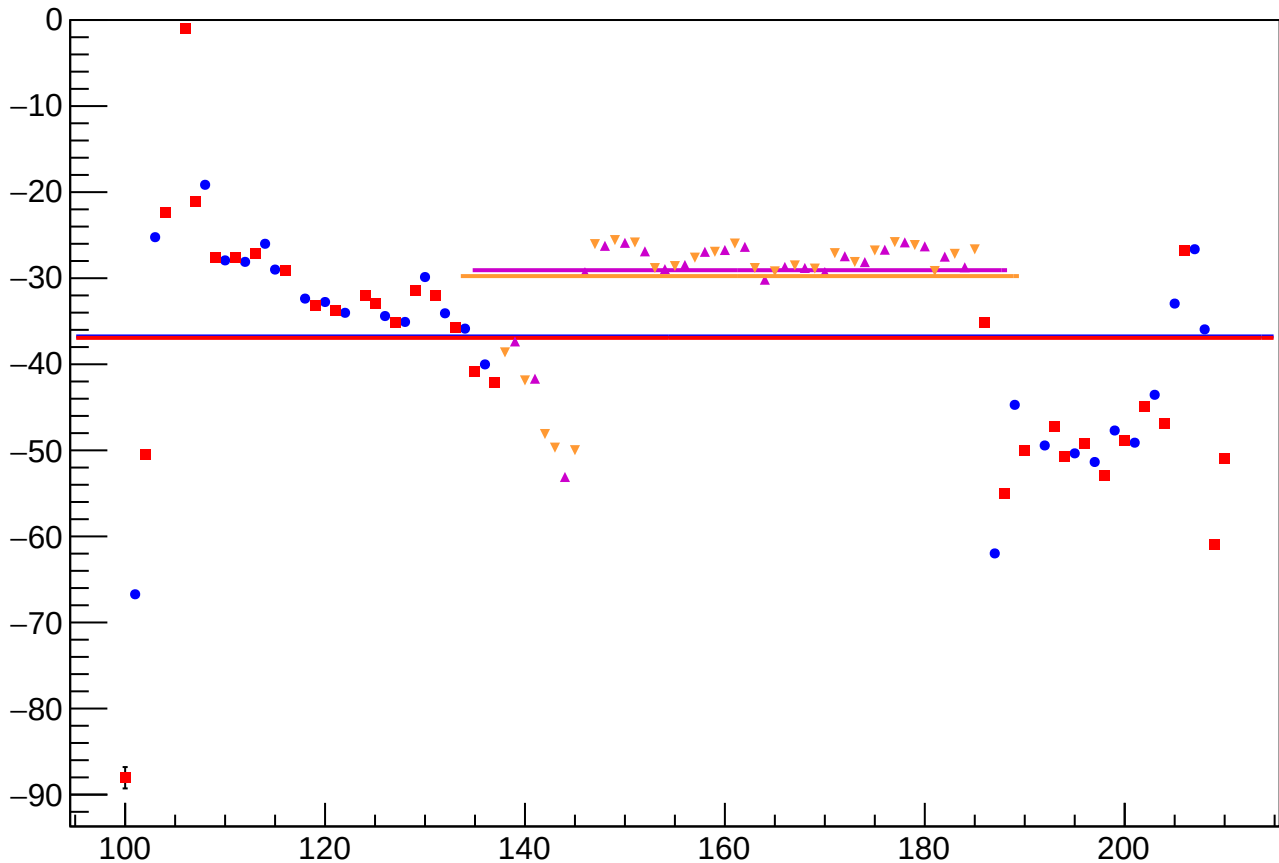
Left In: 0.980 ± 0.353 χ^2/NDF : 558.5/22

+ sign -2.568 ± 0.296 χ^2/NDF : 1616.2/51

All: -2.700 ± 0.210 χ^2/NDF : 3207.9/106

- sign -2.834 ± 0.297 χ^2/NDF : 1591.4/54

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -36.767 $\pm$ 0.029 χ^2 /NDF: 119124.3/26

Left Out: -29.754 $\pm$ 0.016 χ^2 /NDF: 163552.5/24

Right Out: -36.931 $\pm$ 0.028 χ^2 /NDF: 229799.6/31

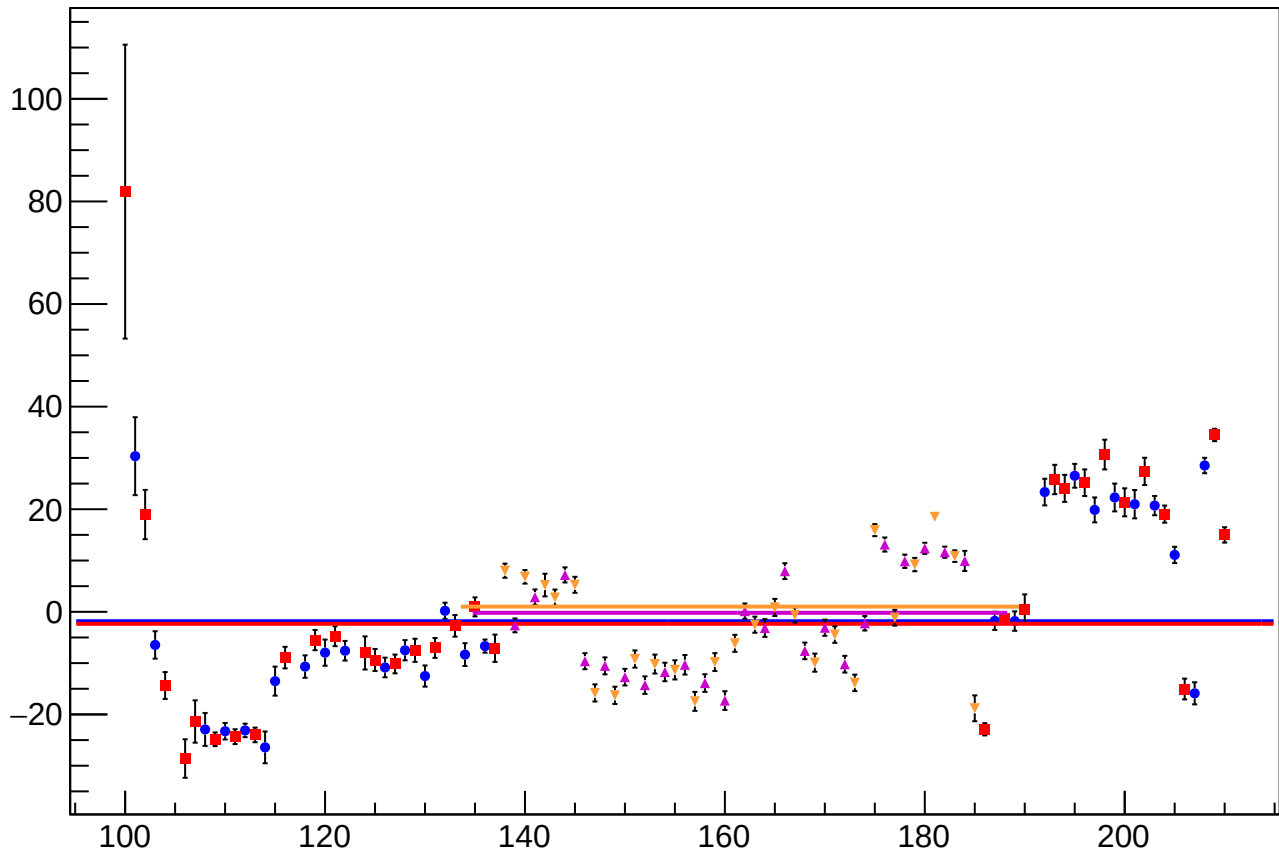
Left In: -29.067 $\pm$ 0.016 χ^2 /NDF: 101545.6/22

+ sign -31.307 $\pm$ 0.014 χ^2 /NDF: 327599.0/51

All: -31.125 $\pm$ 0.010 χ^2 /NDF: 718374.0/106

- sign -30.941 $\pm$ 0.014 χ^2 /NDF: 390421.3/54

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -1.837 ± 0.385 χ^2/NDF : 1822.0/26

Left Out: 1.015 ± 0.305 χ^2/NDF : 1335.1/24

Right Out: -2.331 ± 0.340 χ^2/NDF : 3136.3/31

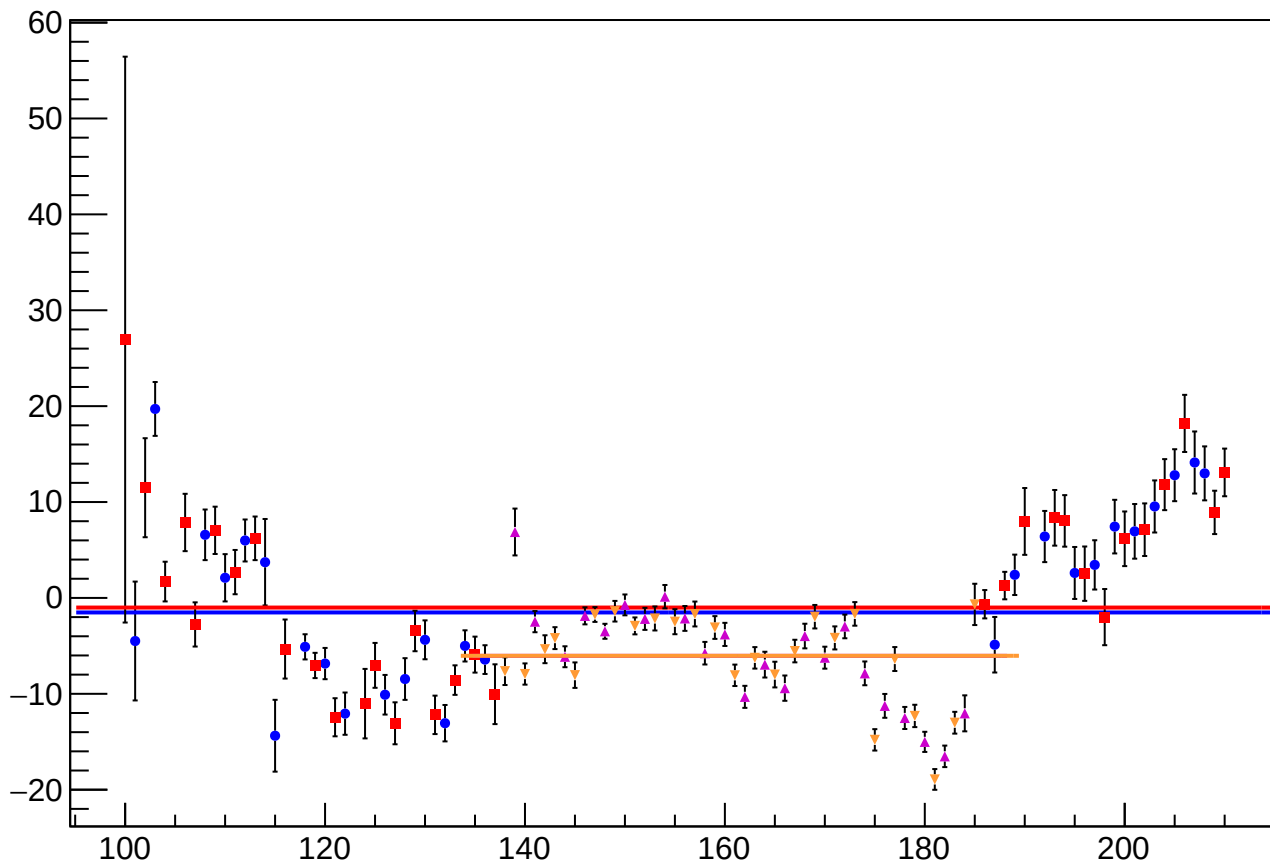
Left In: -0.192 ± 0.315 χ^2/NDF : 982.8/22

+ sign -0.084 ± 0.239 χ^2/NDF : 3190.8/51

All: -0.651 ± 0.166 χ^2/NDF : 7342.1/106

- sign -1.179 ± 0.231 χ^2/NDF : 4140.4/54

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.515 ± 0.436 χ^2/NDF : 349.8/26

Left Out: -6.035 ± 0.233 χ^2/NDF : 414.9/24

Right Out: -1.005 ± 0.402 χ^2/NDF : 377.9/31

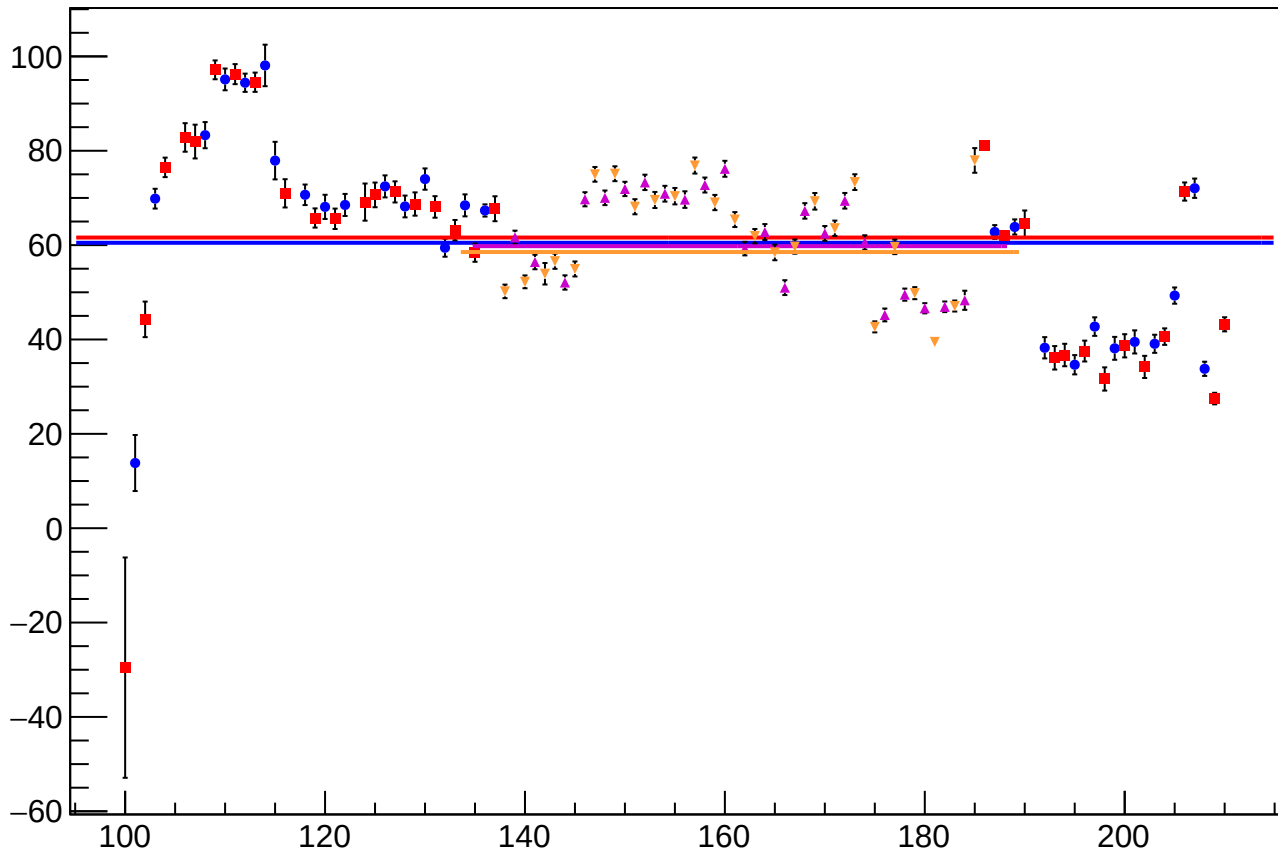
Left In: -6.043 ± 0.243 χ^2/NDF : 396.2/22

+ sign -5.030 ± 0.206 χ^2/NDF : 848.3/51

All: -4.864 ± 0.146 χ^2/NDF : 1738.9/106

- sign -4.696 ± 0.208 χ^2/NDF : 889.3/54

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 60.495 $\pm$ 0.398 χ^2 /NDF: 1947.1/26

Left Out: 58.535 $\pm$ 0.303 χ^2 /NDF:1449.2/24

Right Out: 61.606 $\pm$ 0.340 χ^2 /NDF: 3308.2/31

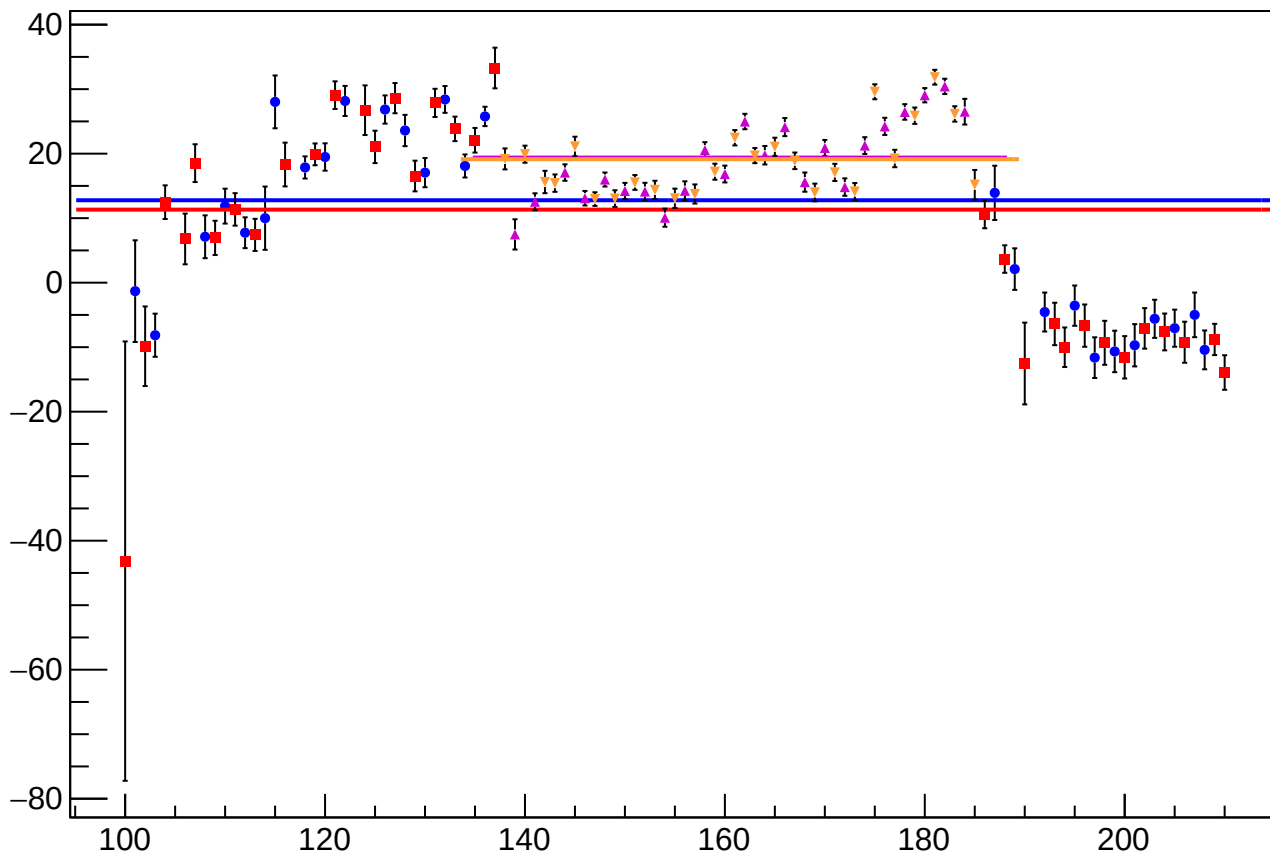
Left In: 59.777 $\pm$ 0.312 χ^2 /NDF:1070.5/22

+ sign 59.253 $\pm$ 0.241 χ^2 /NDF: 3411.7/51

All: 59.965 $\pm$ 0.166 χ^2 /NDF: 7822.7/106

- sign 60.611 $\pm$ 0.230 χ^2 /NDF: 4394.4/54

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 12.779 $\pm$ 0.500 χ^2 /NDF: 735.3/26

Left Out: 19.138 $\pm$ 0.264 χ^2 /NDF: 433.7/24

Right Out: 11.323 $\pm$ 0.472 χ^2 /NDF: 895.2/31

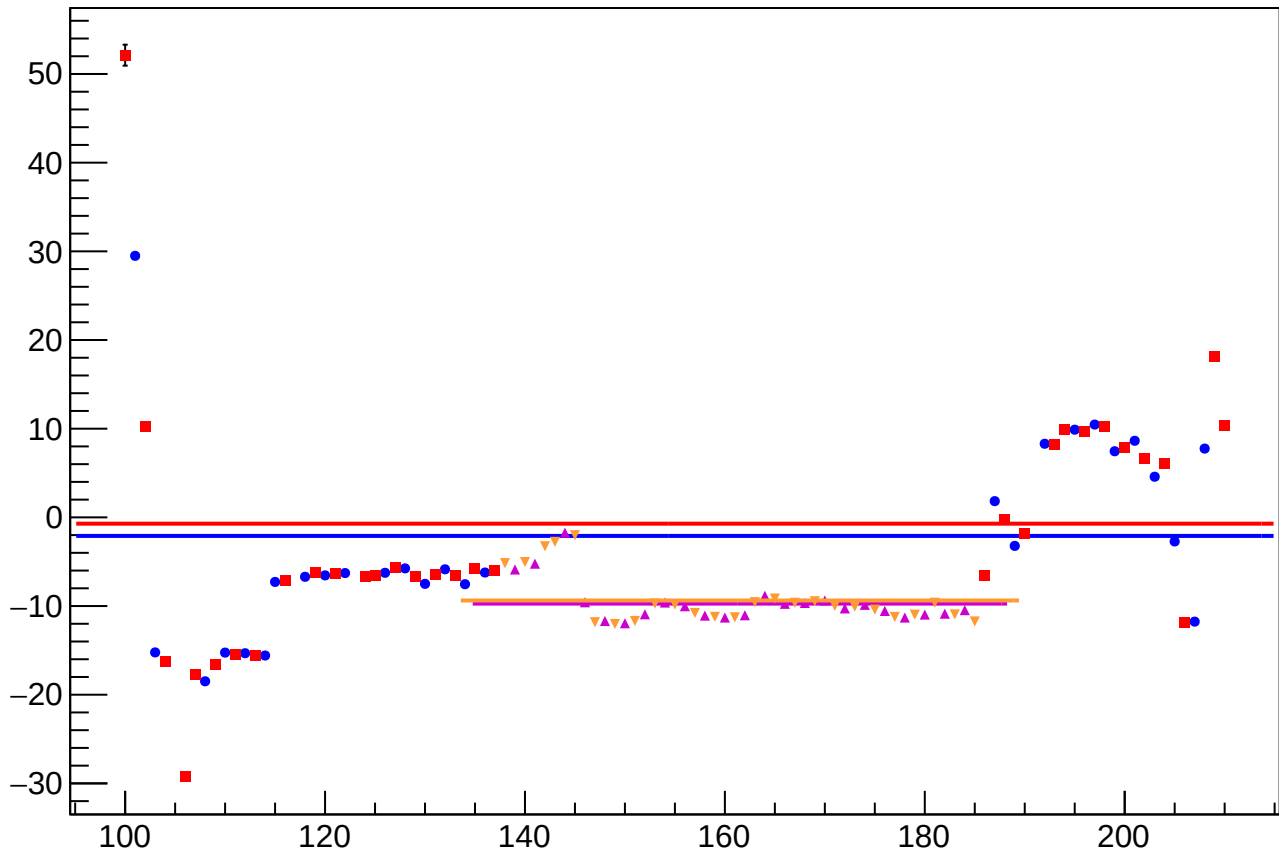
Left In: 19.390 $\pm$ 0.274 χ^2 /NDF: 467.7/22

+ sign 17.751 $\pm$ 0.233 χ^2 /NDF: 1295.6/51

All: 17.560 $\pm$ 0.166 χ^2 /NDF: 2878.1/106

- sign 17.364 $\pm$ 0.237 χ^2 /NDF: 1581.2/54

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -2.093 ± 0.024 χ^2/NDF : 161147.8/26

Left Out: -9.375 ± 0.012 χ^2/NDF : 49934.3/24

Right Out: -0.711 ± 0.023 χ^2/NDF : 232516.3/31

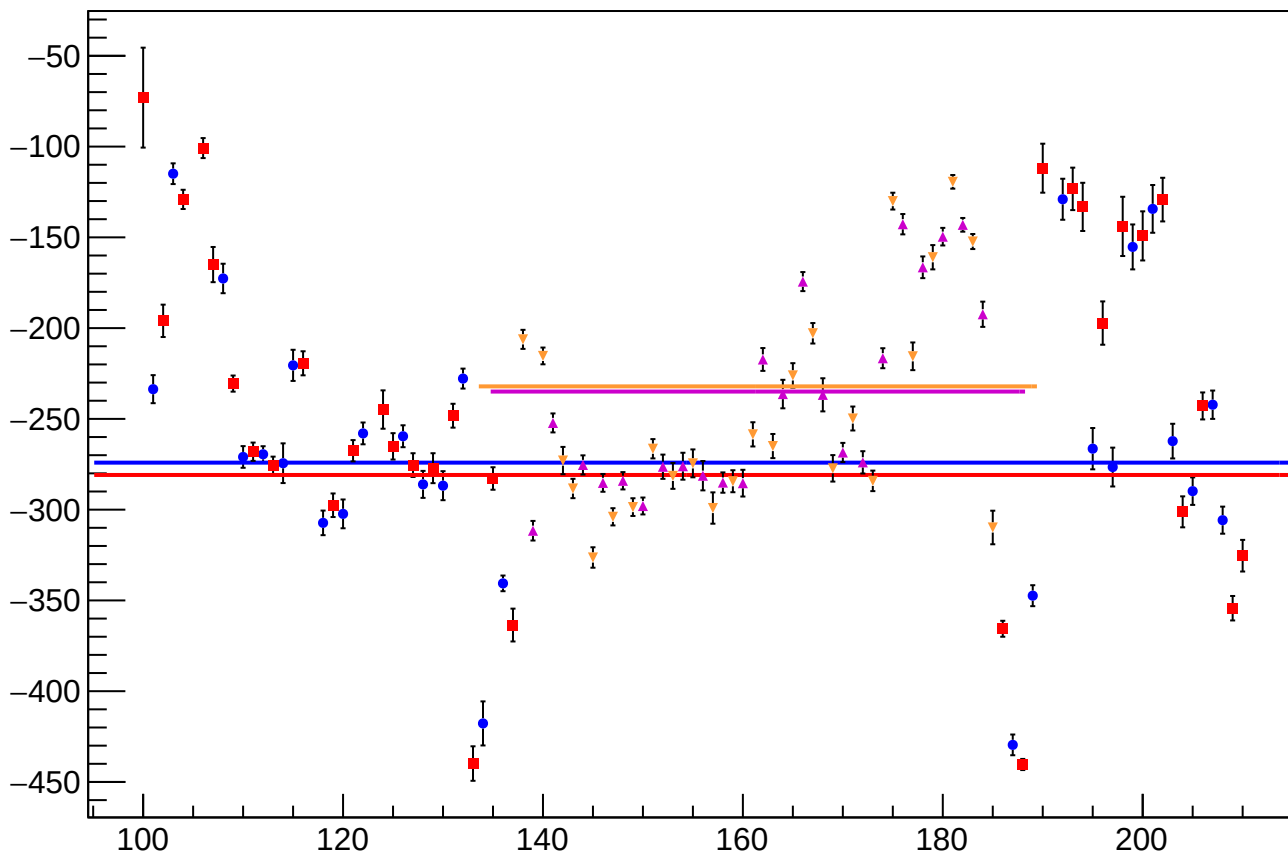
Left In: -9.726 ± 0.012 χ^2/NDF : 31951.7/22

+ sign -7.902 ± 0.011 χ^2/NDF : 287032.1/51

All: -7.825 ± 0.008 χ^2/NDF : 673249.4/106

- sign -7.746 ± 0.011 χ^2/NDF : 386110.2/54

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -274.099+/-1.356 χ^2 /NDF: 2818.6/26

Left Out: -232.091+/-1.143 χ^2 /NDF:3269.9/24

Right Out: -280.893+/-1.189 χ^2 /NDF: 6909.7/31

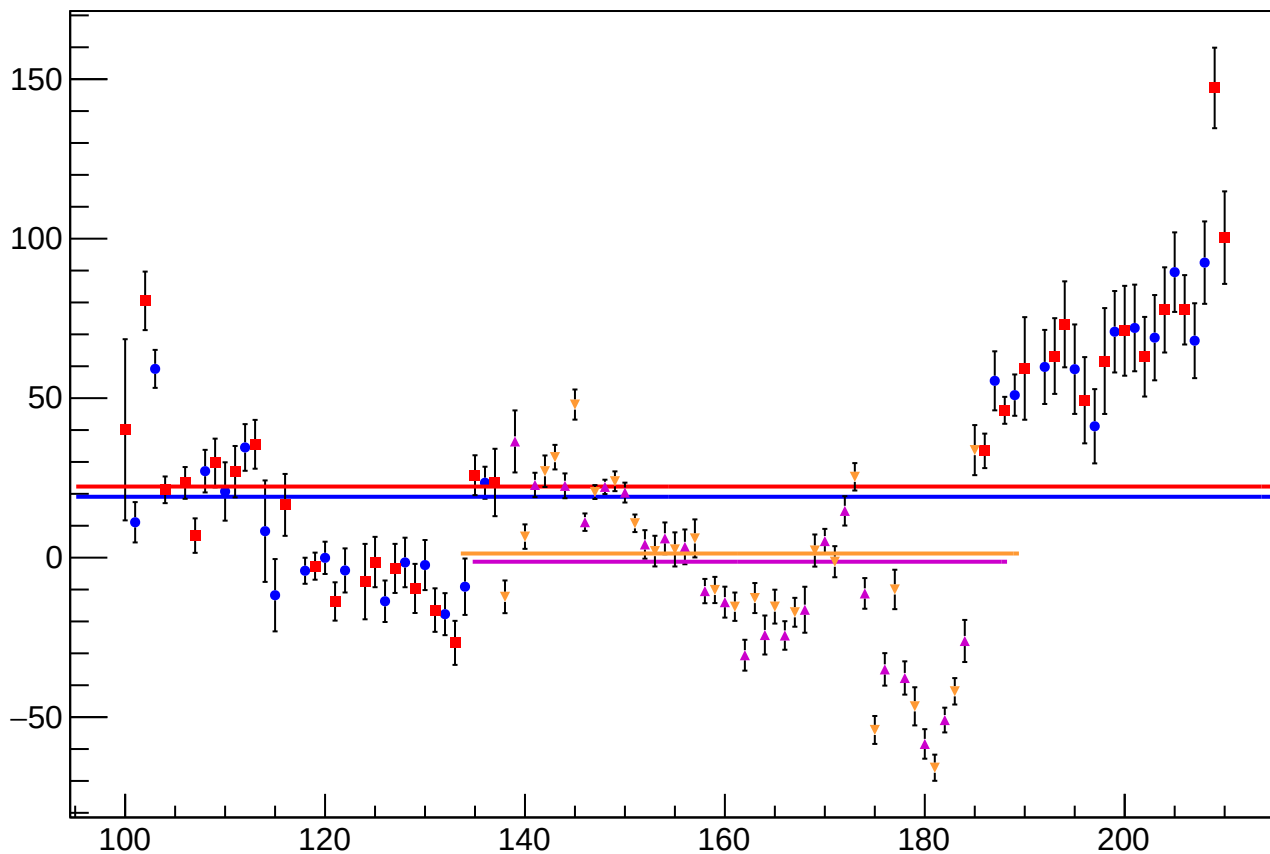
Left In: -234.951+/-1.176 χ^2 /NDF:2470.2/22

+ sign -249.544+/-0.874 χ^2 /NDF: 6649.7/51

All: -253.786+/-0.604 χ^2 /NDF: 16829.8/106

- sign -257.668+/-0.836 χ^2 /NDF: 10134.9/54

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 19.084 $\pm$ 1.471 χ^2 /NDF: 391.2/26

Left Out: 1.295 $\pm$ 0.837 χ^2 /NDF:1049.5/24

Right Out: 22.289 $\pm$ 1.319 χ^2 /NDF: 520.8/31

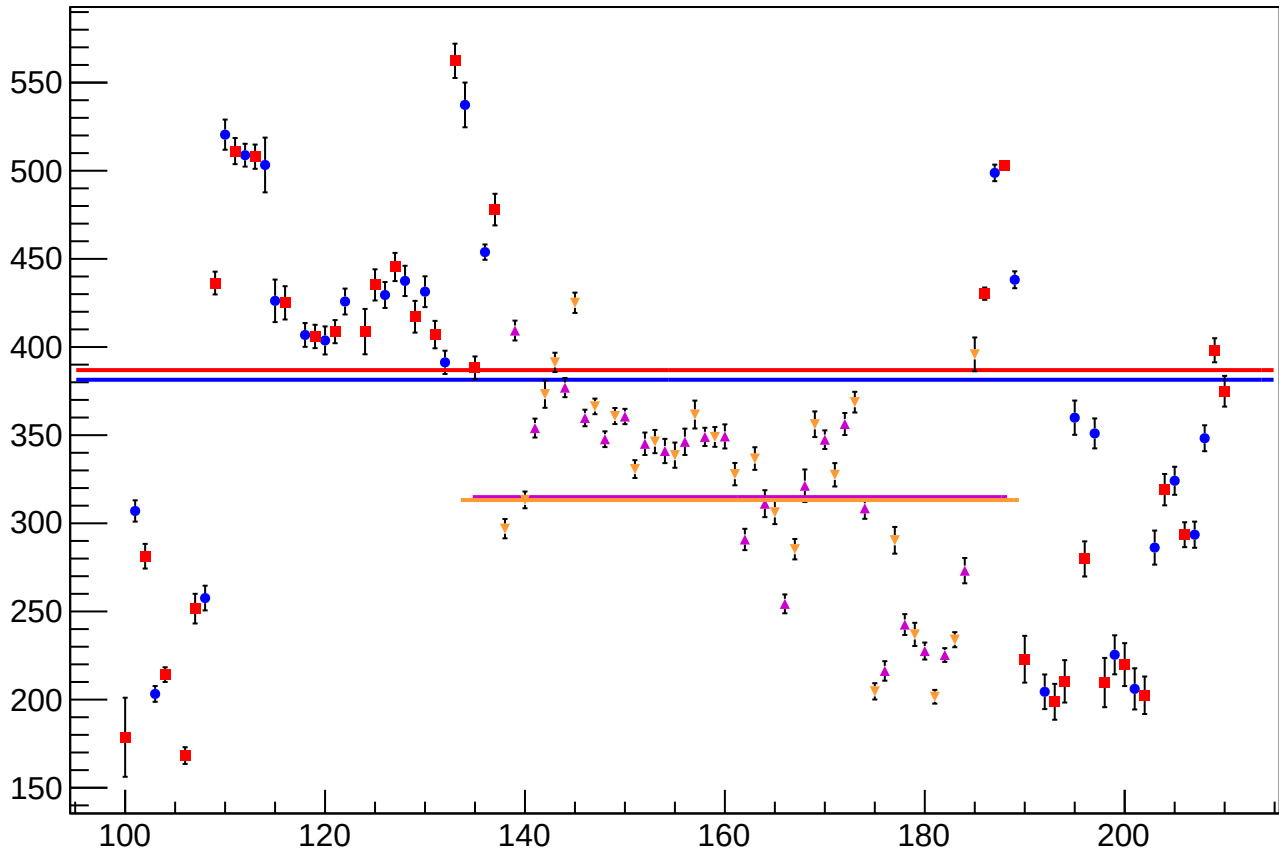
Left In: -1.280 $\pm$ 0.869 χ^2 /NDF:811.2/22

+ sign 5.645 $\pm$ 0.727 χ^2 /NDF: 1551.2/51

All: 5.749 $\pm$ 0.514 χ^2 /NDF: 3105.9/106

- sign 5.852 $\pm$ 0.726 χ^2 /NDF: 1554.6/54

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 381.432 $\pm$ 1.371 χ^2 /NDF: 5221.0/26

Left Out: 313.197 $\pm$ 1.134 χ^2 /NDF:3135.7/24

Right Out: 386.908 $\pm$ 1.166 χ^2 /NDF: 9700.4/31

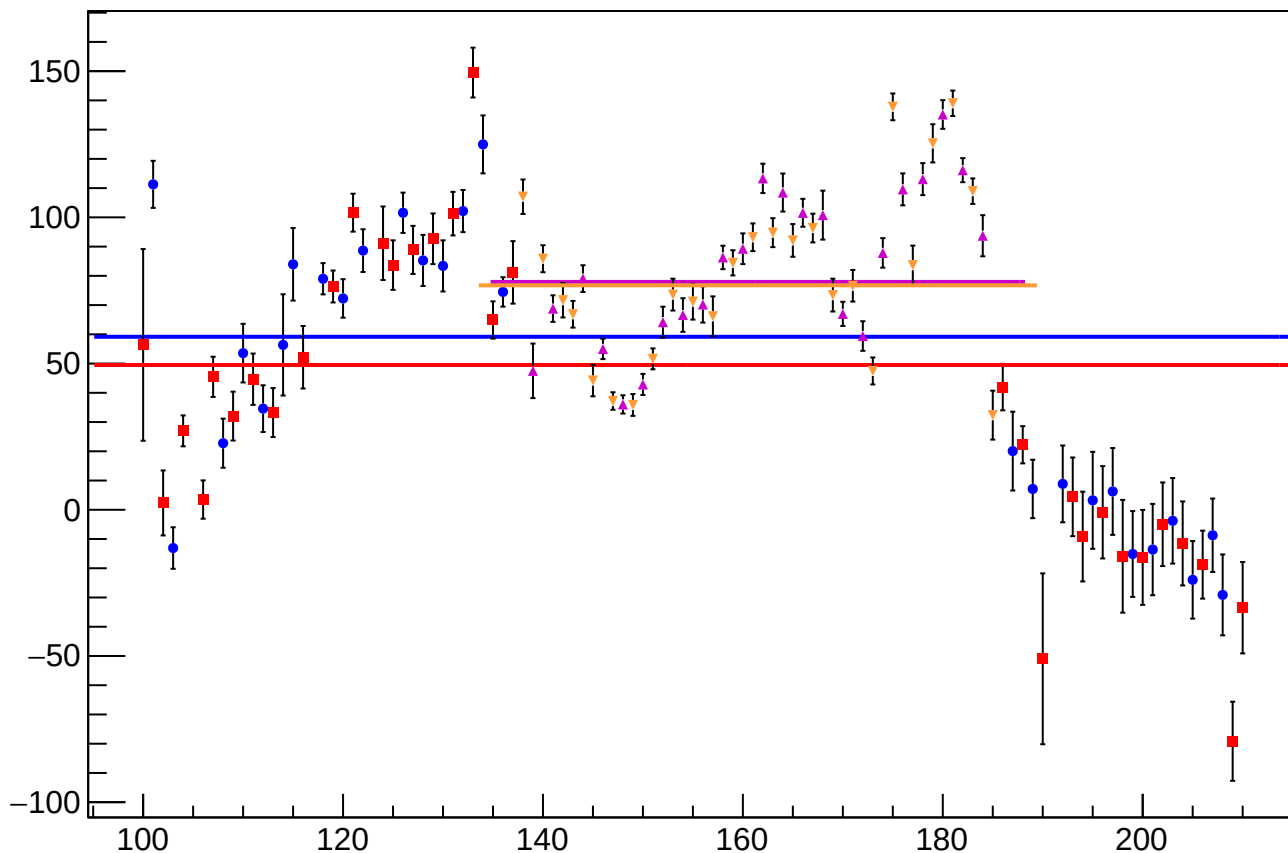
Left In: 314.864 $\pm$ 1.161 χ^2 /NDF:2429.0/22

+ sign 340.910 $\pm$ 0.874 χ^2 /NDF: 9827.3/51

All: 346.126 $\pm$ 0.599 χ^2 /NDF: 23940.8/106

- sign 350.750 $\pm$ 0.823 χ^2 /NDF: 14046.2/54

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 59.159 $\pm$ 1.720 χ^2/NDF : 605.0/26

Left Out: 76.758 $\pm$ 0.967 χ^2/NDF :1035.3/24

Right Out: 49.509 $\pm$ 1.583 χ^2/NDF : 739.7/31

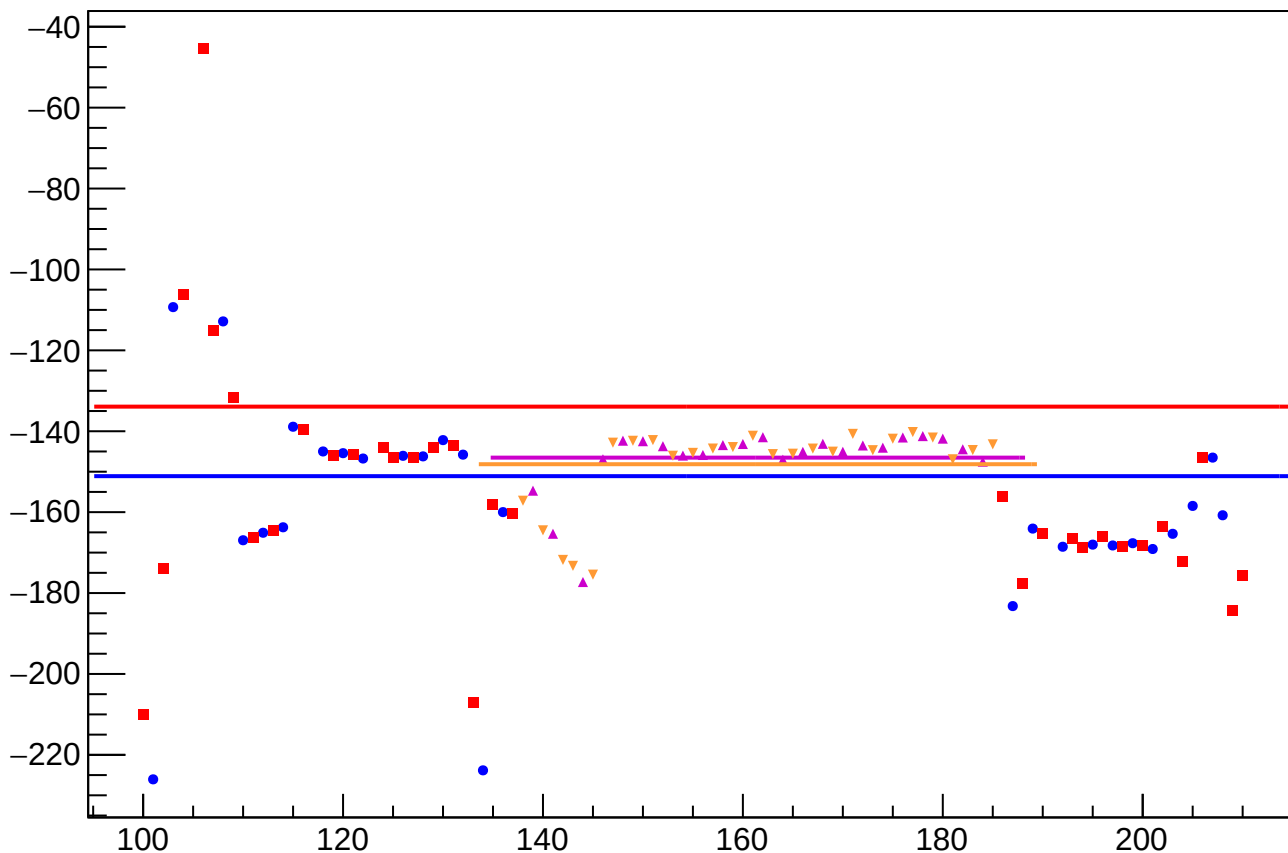
Left In: 77.923 $\pm$ 0.997 χ^2/NDF :783.8/22

+ sign 72.533 $\pm$ 0.843 χ^2/NDF : 1719.9/51

All: 71.195 $\pm$ 0.596 χ^2/NDF : 3479.2/106

- sign 69.855 $\pm$ 0.844 χ^2/NDF : 1754.3/54

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -151.101+/-0.082 χ^2/NDF : 146522.7/26

Left Out: -148.148+/-0.045 χ^2/NDF : 48910.2/24

Right Out: -133.914+/-0.075 χ^2/NDF : 358327.3/31

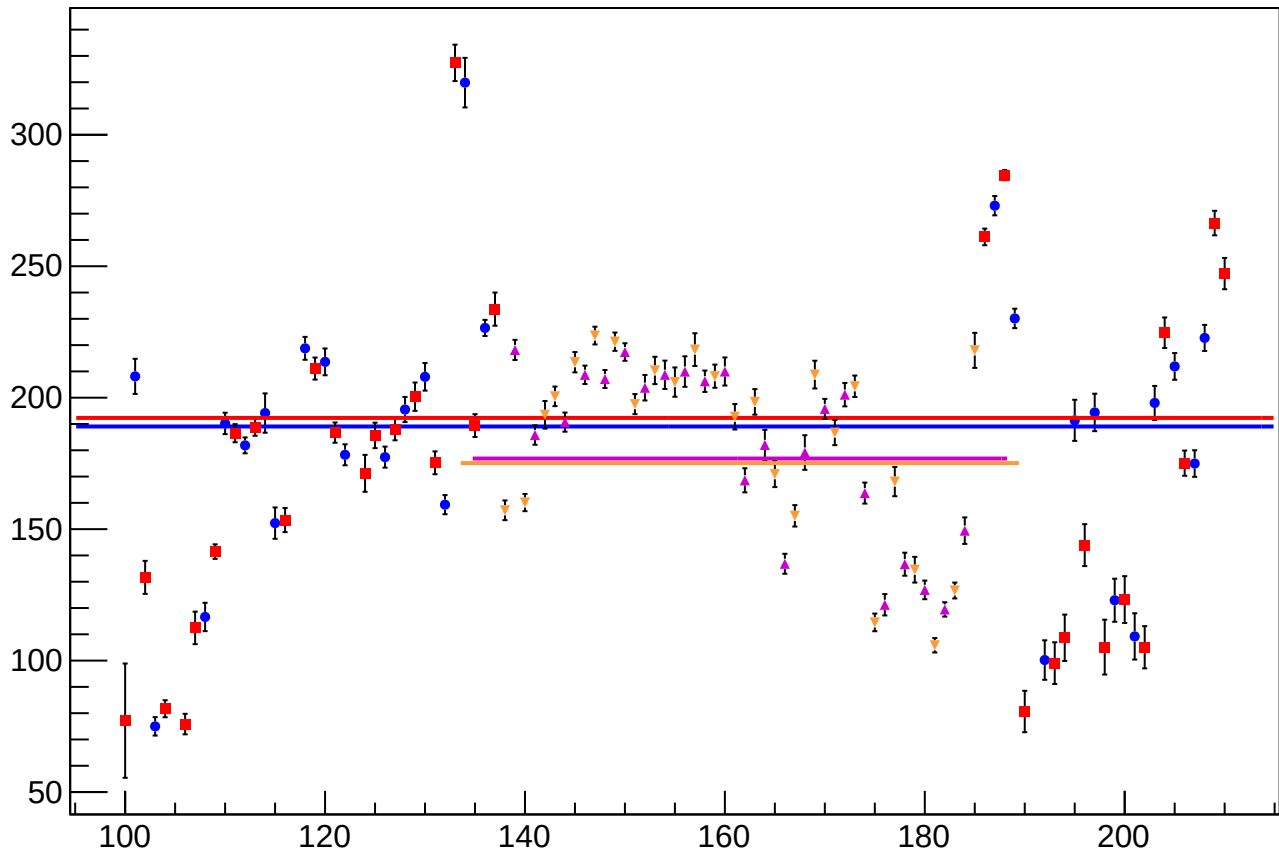
Left In: -146.523+/-0.046 χ^2/NDF : 29172.3/22

+ sign -148.829+/-0.040 χ^2/NDF : 196421.4/51

All: -145.918+/-0.028 χ^2/NDF : 615344.0/106

- sign -143.105+/-0.039 χ^2/NDF : 408272.6/54

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 189.049 $\pm$ 0.907 χ^2 /NDF: 2813.3/26

Left Out: 175.126 $\pm$ 0.822 χ^2 /NDF:2295.2/24

Right Out: 192.314 $\pm$ 0.788 χ^2 /NDF: 7078.6/31

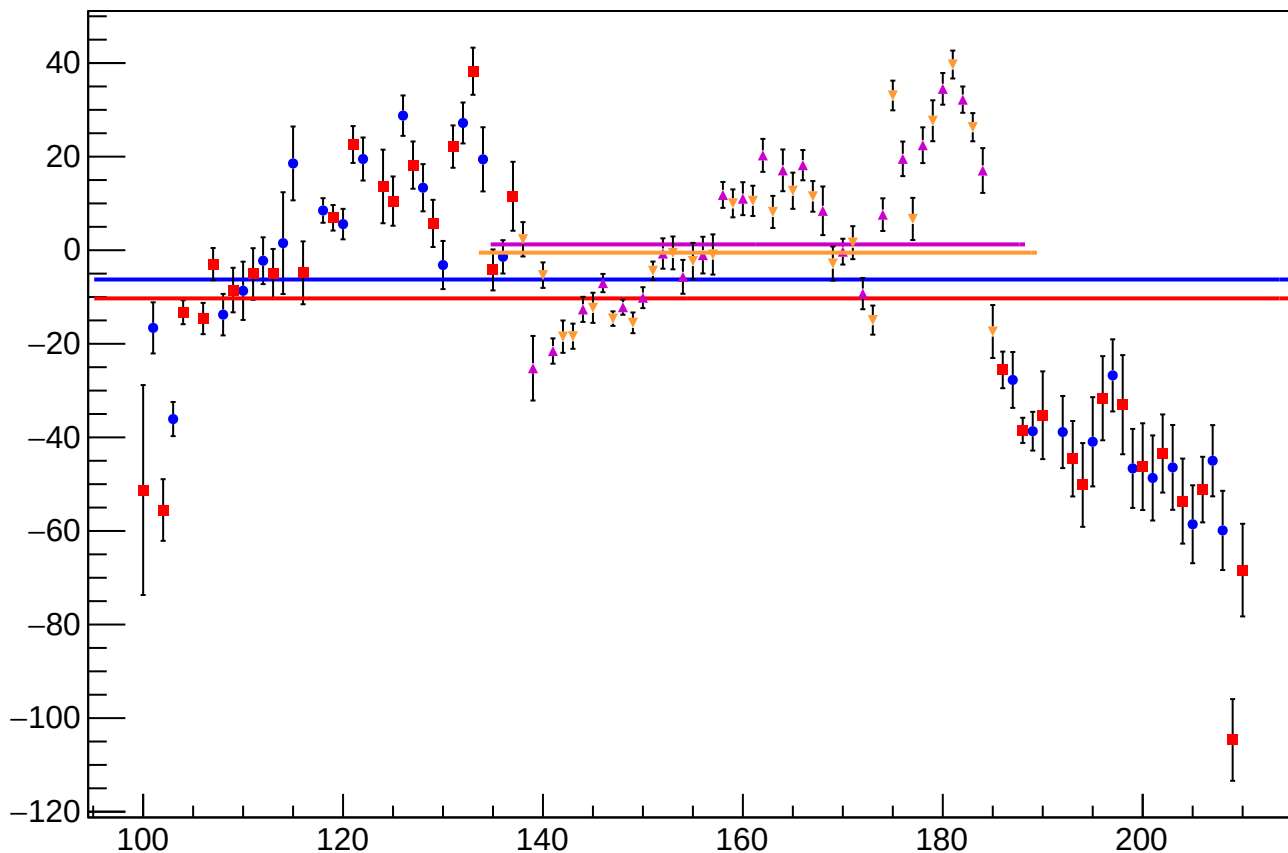
Left In: 176.862 $\pm$ 0.847 χ^2 /NDF:1756.1/22

+ sign 181.404 $\pm$ 0.609 χ^2 /NDF: 5237.8/51

All: 183.376 $\pm$ 0.419 χ^2 /NDF: 14270.8/106

- sign 185.145 $\pm$ 0.577 χ^2 /NDF: 9013.1/54

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -6.257 $\pm$ 0.983 χ^2/NDF : 598.6/26

Left Out: -0.523 $\pm$ 0.601 χ^2/NDF : 724.5/24

Right Out: -10.295 $\pm$ 0.870 χ^2/NDF : 811.6/31

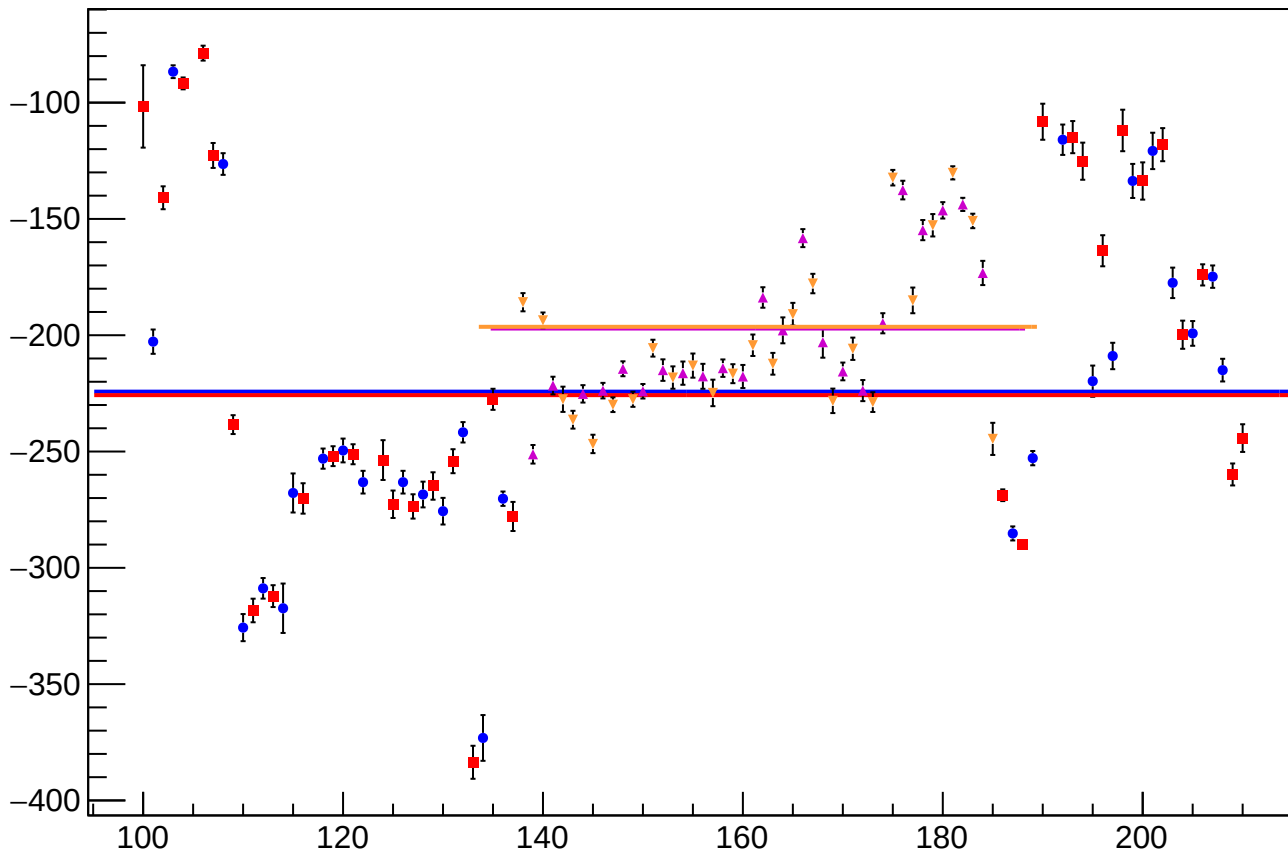
Left In: 1.244 $\pm$ 0.625 χ^2/NDF : 620.6/22

+ sign -2.082 $\pm$ 0.513 χ^2/NDF : 1347.8/51

All: -2.389 $\pm$ 0.361 χ^2/NDF : 2896.7/106

- sign -2.690 $\pm$ 0.508 χ^2/NDF : 1548.2/54

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -224.254+/-0.915 χ^2 /NDF: 5828.9/26

Left Out: -196.380+/-0.816 χ^2 /NDF:1997.7/24

Right Out: -225.759+/-0.769 χ^2 /NDF: 10617.0/31

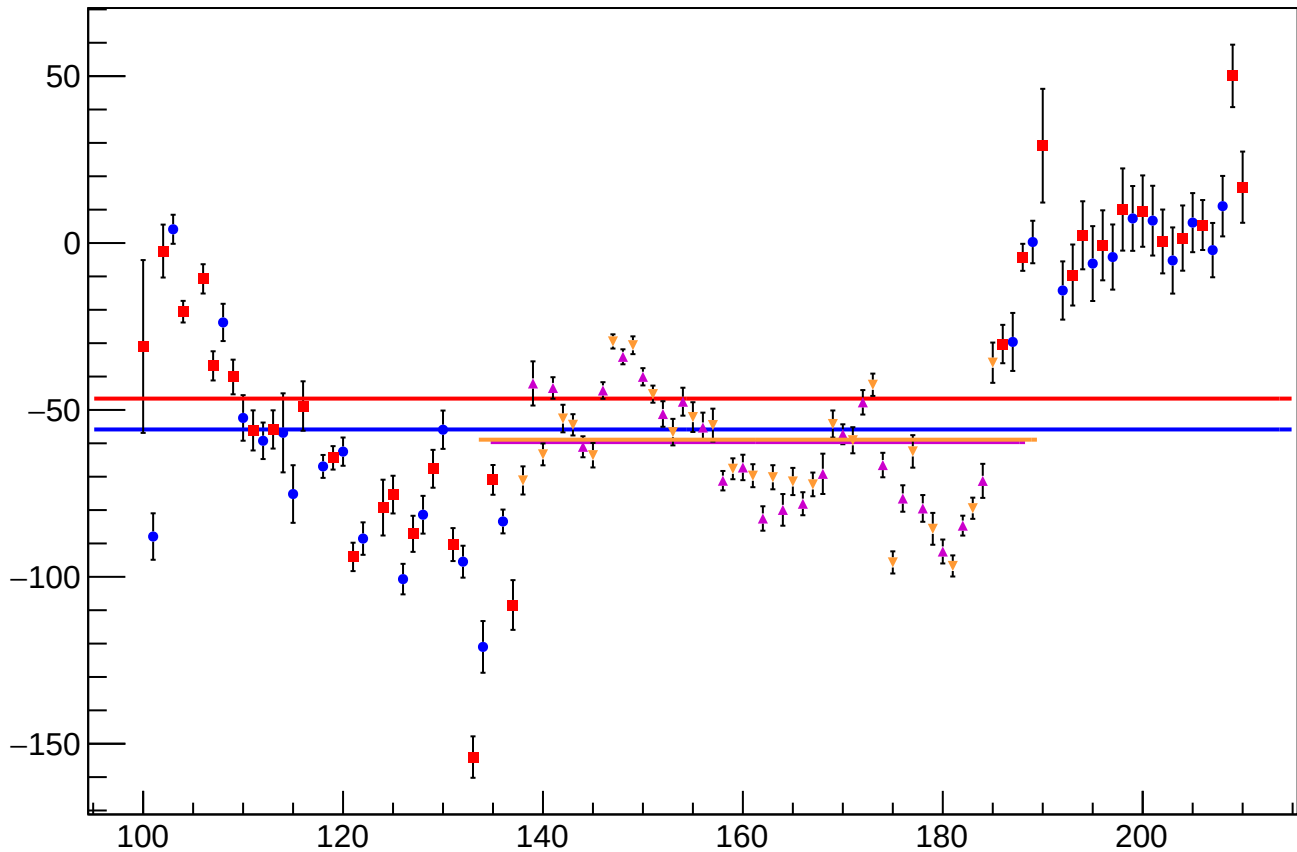
Left In: -197.128+/-0.837 χ^2 /NDF:1601.5/22

+ sign -208.731+/-0.609 χ^2 /NDF: 8344.0/51

All: -210.829+/-0.415 χ^2 /NDF: 21219.0/106

- sign -212.645+/-0.566 χ^2 /NDF: 12852.9/54

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -55.850 ± 1.153 χ^2/NDF : 1032.1/26

Left Out: -58.910 ± 0.695 χ^2/NDF : 782.5/24

Right Out: -46.604 ± 1.046 χ^2/NDF : 1395.6/31

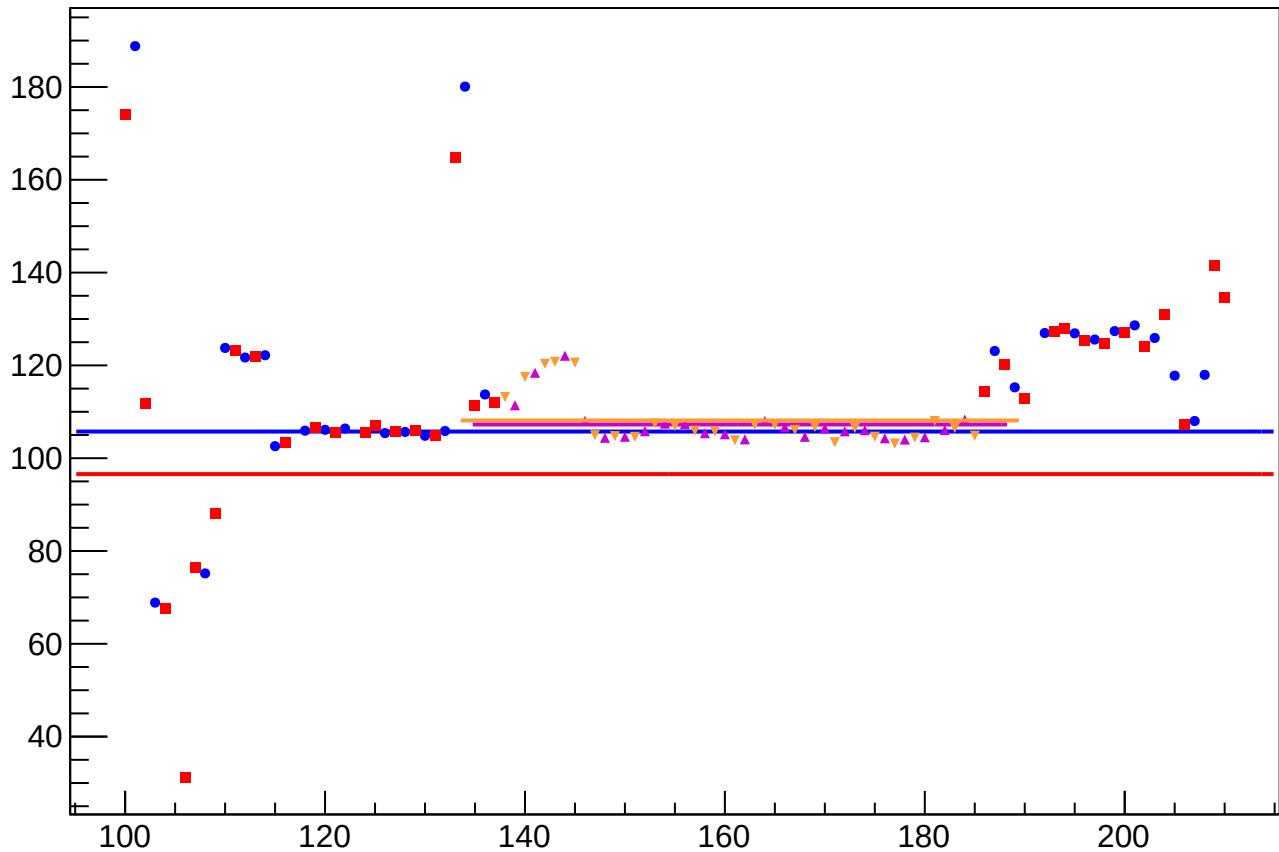
Left In: -59.637 ± 0.718 χ^2/NDF : 597.0/22

+ sign -58.095 ± 0.595 χ^2/NDF : 1819.8/51

All: -56.772 ± 0.420 χ^2/NDF : 3927.7/106

- sign -55.462 ± 0.592 χ^2/NDF : 2098.1/54

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 105.745 $\pm$ 0.055 χ^2 /NDF: 273417.4/26

Left Out: 108.136 $\pm$ 0.032 χ^2 /NDF: 26420.1/24

Right Out: 96.572 $\pm$ 0.050 χ^2 /NDF: 404197.4/31

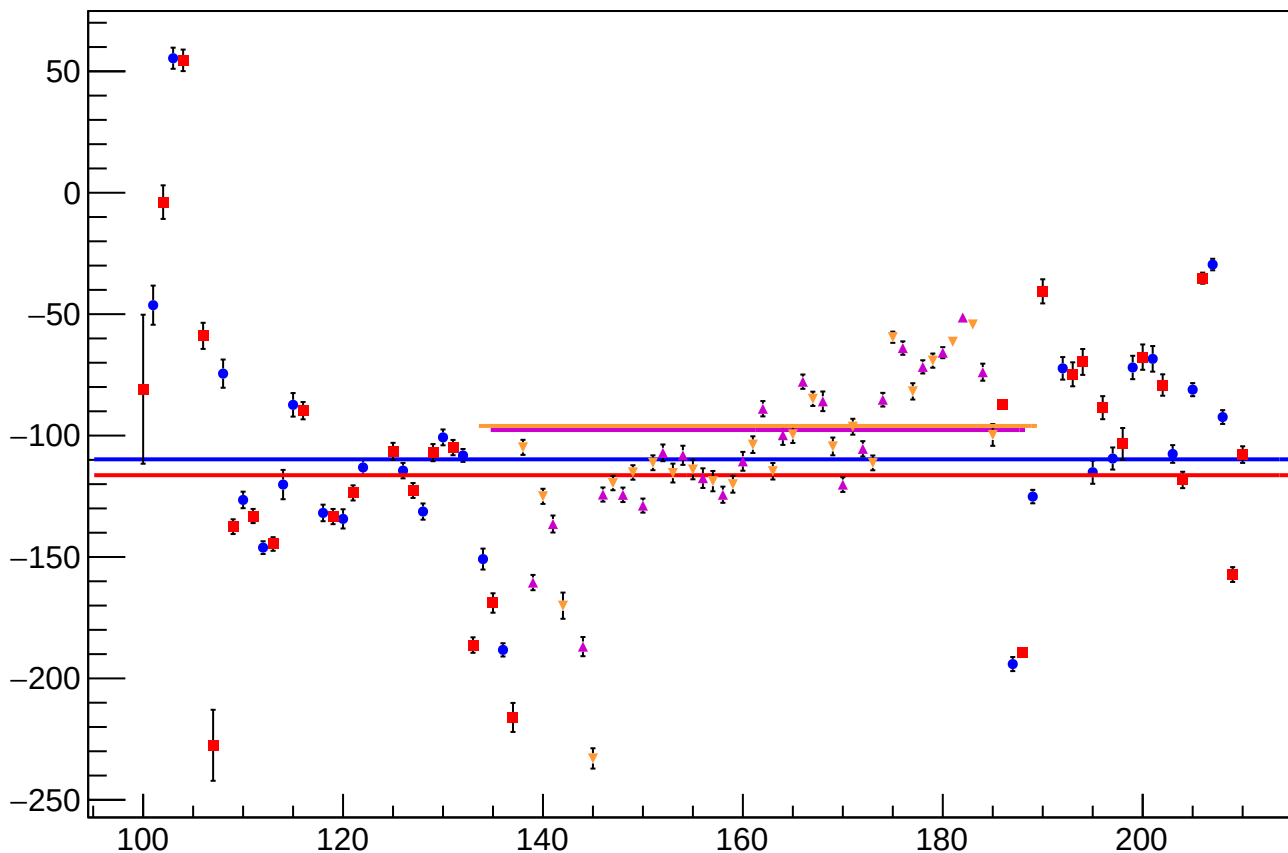
Left In: 107.266 $\pm$ 0.033 χ^2 /NDF: 16879.3/22

+ sign 107.518 $\pm$ 0.028 χ^2 /NDF: 301239.6/51

All: 105.771 $\pm$ 0.020 χ^2 /NDF: 761635.1/106

- sign 104.078 $\pm$ 0.028 χ^2 /NDF: 452698.6/54

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -109.780 ± 0.668 χ^2/NDF : 5186.1/26

Left Out: -96.026 ± 0.635 χ^2/NDF : 2770.9/23

Right Out: -116.314 ± 0.598 χ^2/NDF : 7502.8/30

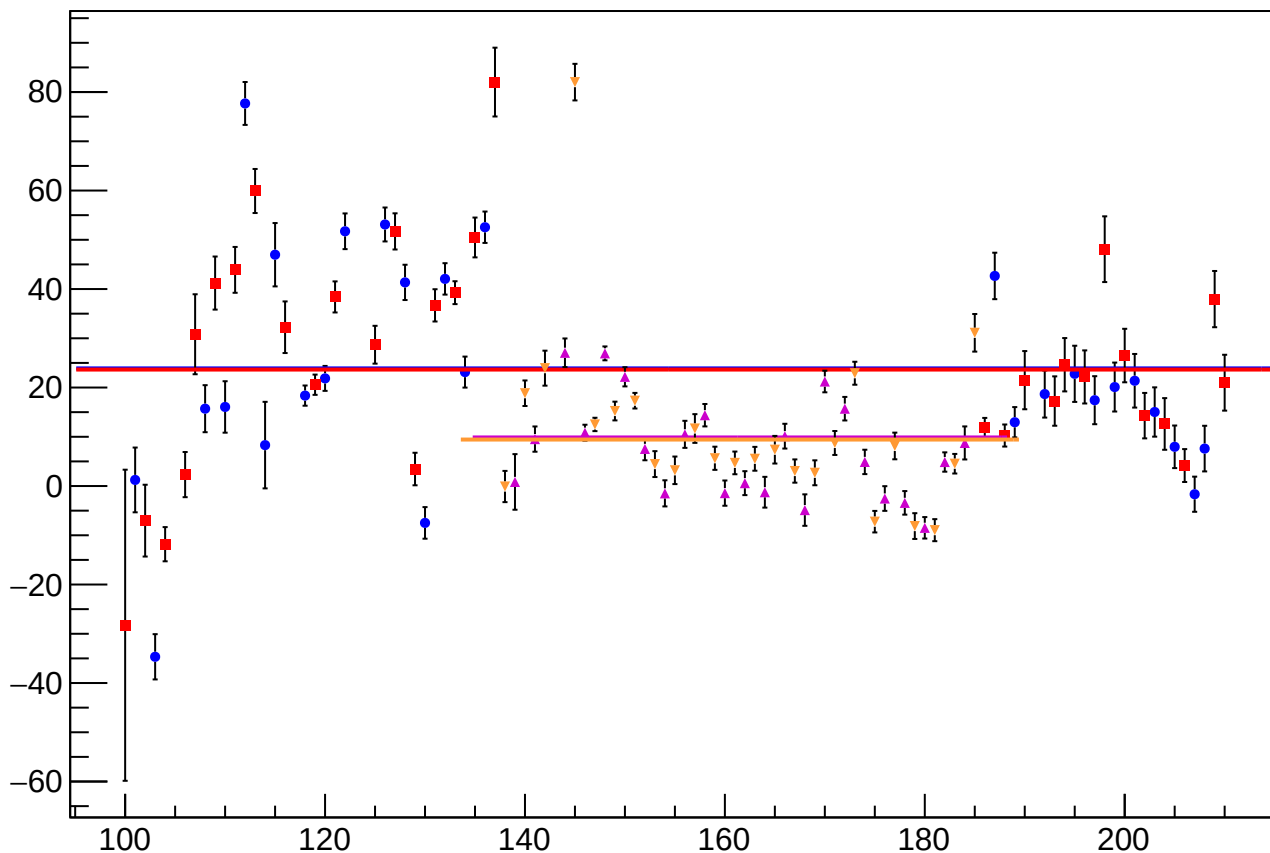
Left In: -97.713 ± 0.639 χ^2/NDF : 2640.9/22

+ sign -102.554 ± 0.460 χ^2/NDF : 8179.7/50

All: -105.220 ± 0.317 χ^2/NDF : 18839.1/104

- sign -107.619 ± 0.437 χ^2/NDF : 10595.6/53

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 23.884 $\pm$ 0.740 χ^2 /NDF: 832.4/26

Left Out: 9.438 $\pm$ 0.478 χ^2 /NDF: 736.4/23

Right Out: 23.651 $\pm$ 0.685 χ^2 /NDF: 675.9/30

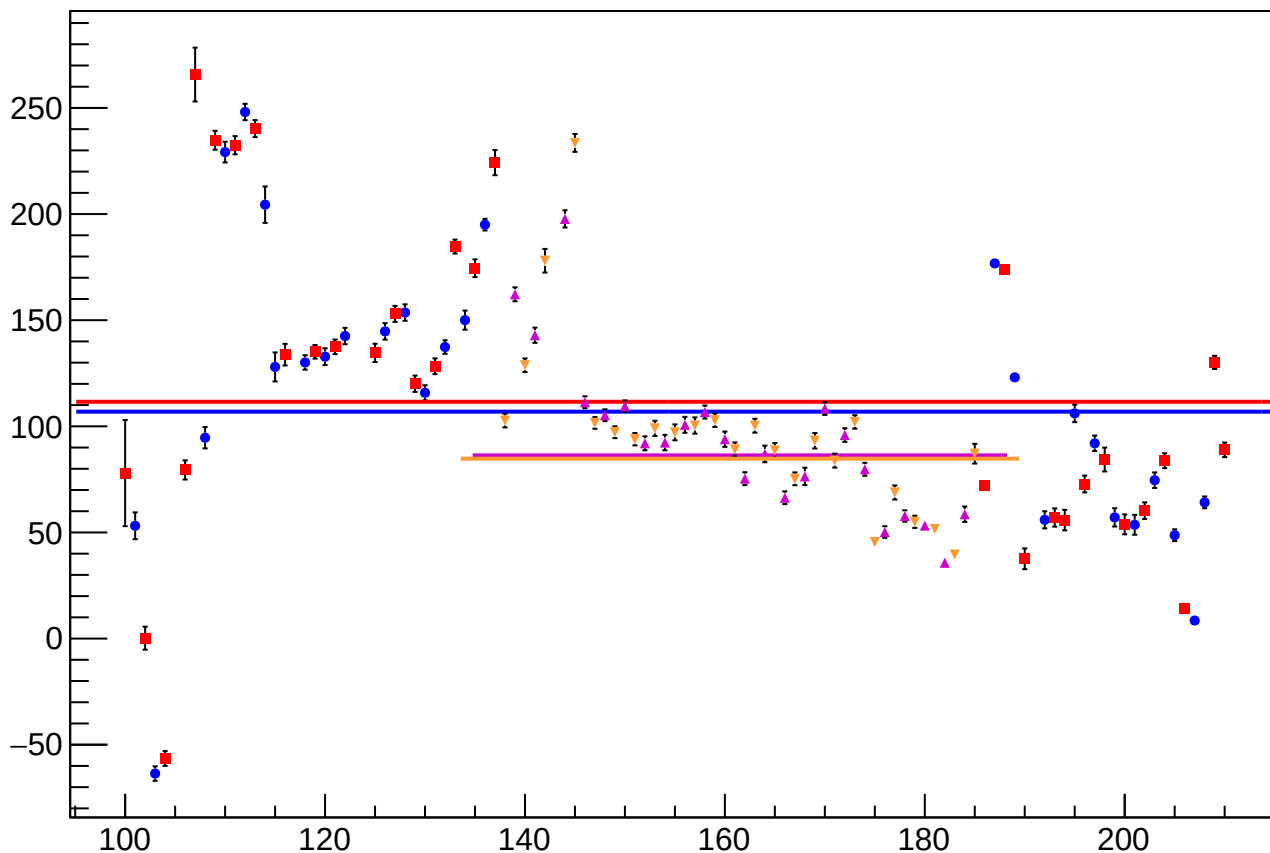
Left In: 9.864 $\pm$ 0.487 χ^2 /NDF: 485.4/22

+ sign 13.694 $\pm$ 0.401 χ^2 /NDF: 1837.8/50

All: 14.096 $\pm$ 0.282 χ^2 /NDF: 3270.3/104

- sign 14.490 $\pm$ 0.397 χ^2 /NDF: 1430.6/53

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 106.909 $\pm$ 0.676 χ^2 /NDF: 10310.0/26

Left Out: 84.759 $\pm$ 0.629 χ^2 /NDF:3110.5/23

Right Out: 111.569 $\pm$ 0.579 χ^2 /NDF: 13179.2/30

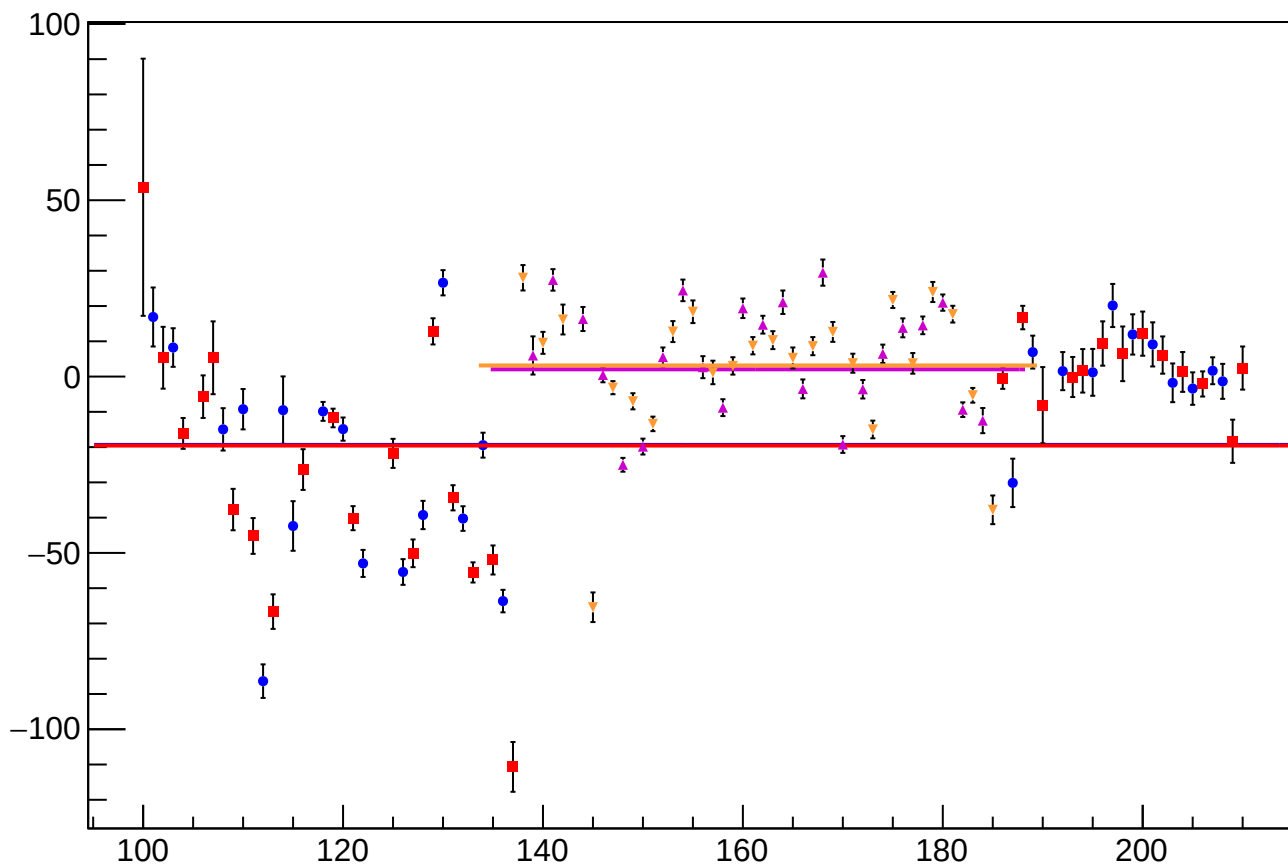
Left In: 86.300 $\pm$ 0.632 χ^2 /NDF:3152.8/22

+ sign 95.033 $\pm$ 0.461 χ^2 /NDF: 13995.4/50

All: 97.730 $\pm$ 0.313 χ^2 /NDF: 31261.0/104

- sign 100.043 $\pm$ 0.427 χ^2 /NDF: 17201.9/53

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: -19.377 ± 0.860 χ^2/NDF : 1082.5/26

Left Out: 3.151 ± 0.544 χ^2/NDF : 813.9/23

Right Out: -19.558 ± 0.821 χ^2/NDF : 1055.5/30

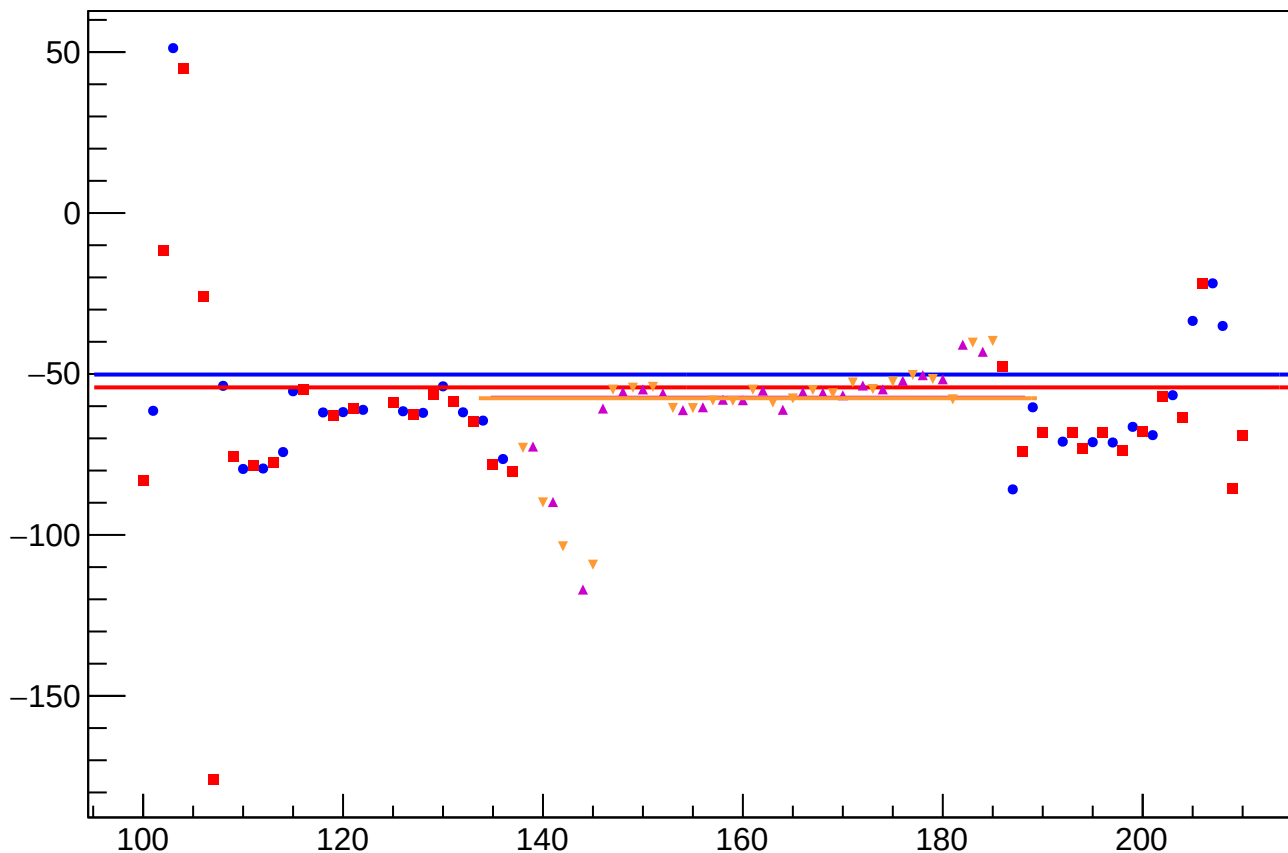
Left In: 2.050 ± 0.551 χ^2/NDF : 850.8/22

+ sign -3.288 ± 0.460 χ^2/NDF : 2387.1/50

All: -3.976 ± 0.324 χ^2/NDF : 4775.1/104

- sign -4.657 ± 0.458 χ^2/NDF : 2383.6/53

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -50.177 ± 0.041 $\chi^2/\text{NDF}: 703456.1/26$

Left Out: -57.532 ± 0.025 $\chi^2/\text{NDF}: 267030.7/23$

Right Out: -54.164 ± 0.041 $\chi^2/\text{NDF}: 635105.9/30$

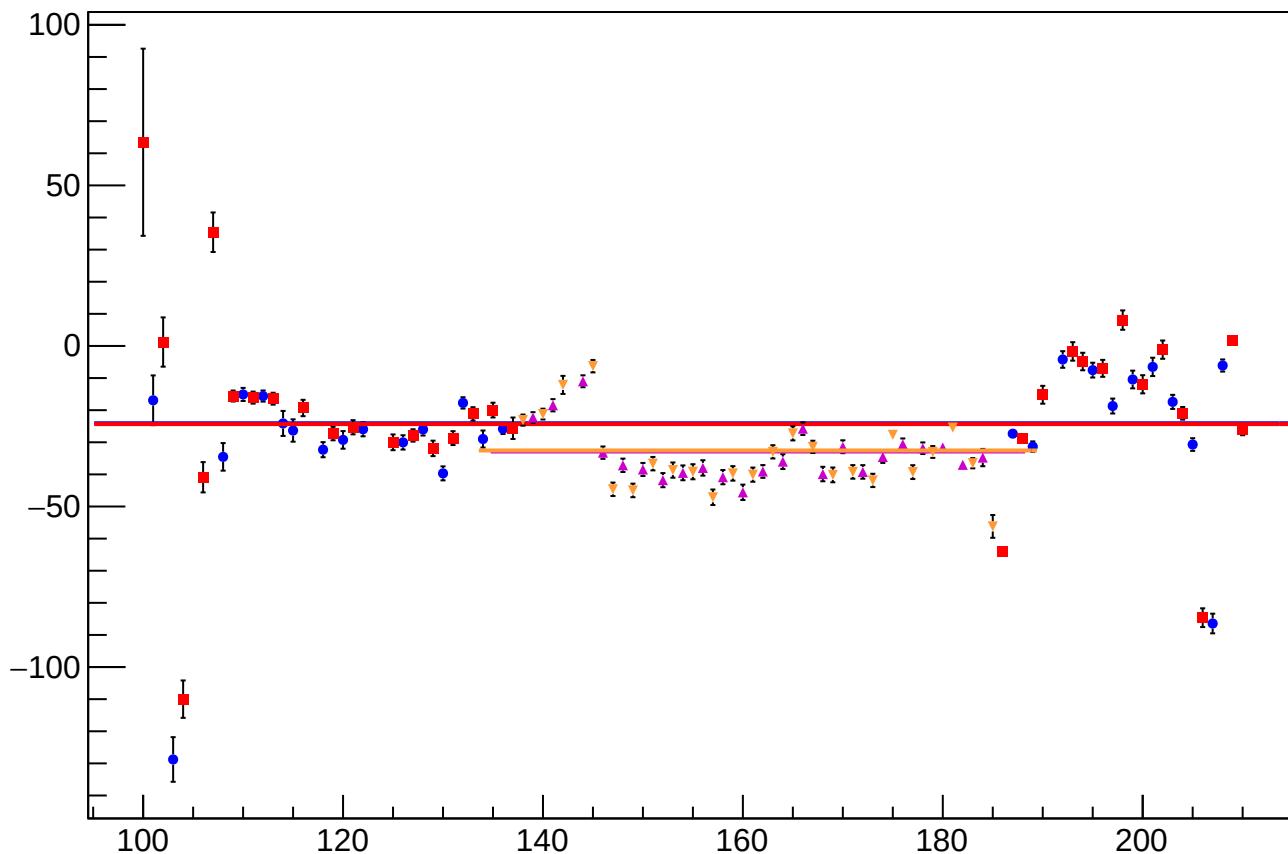
Left In: -57.377 ± 0.025 $\chi^2/\text{NDF}: 227136.8/22$

+ sign -55.591 ± 0.021 $\chi^2/\text{NDF}: 993760.5/50$

All: -56.053 ± 0.015 $\chi^2/\text{NDF}: 1861482.0/104$

- sign -56.511 ± 0.021 $\chi^2/\text{NDF}: 866780.7/53$

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -24.076 ± 0.432 χ^2/NDF : 1099.9/26

Left Out: -32.549 ± 0.407 χ^2/NDF : 603.6/23

Right Out: -24.338 ± 0.381 χ^2/NDF : 2366.5/30

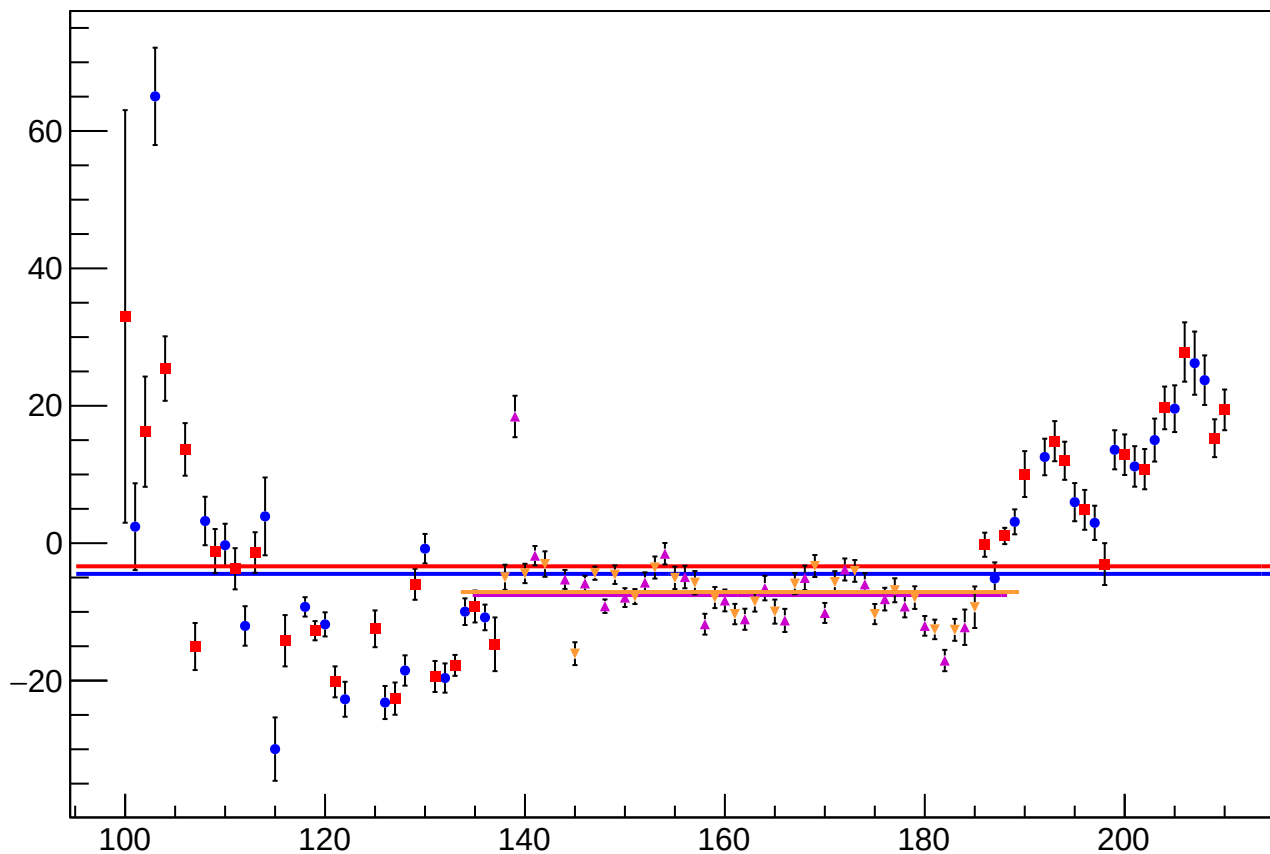
Left In: -32.867 ± 0.411 χ^2/NDF : 373.2/22

+ sign -28.566 ± 0.296 χ^2/NDF : 1907.6/50

All: -28.414 ± 0.203 χ^2/NDF : 4879.1/104

- sign -28.278 ± 0.280 χ^2/NDF : 2971.0/53

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -4.467 ± 0.485 χ^2/NDF : 742.7/26

Left Out: -7.110 ± 0.309 χ^2/NDF : 109.5/23

Right Out: -3.367 ± 0.450 χ^2/NDF : 798.2/30

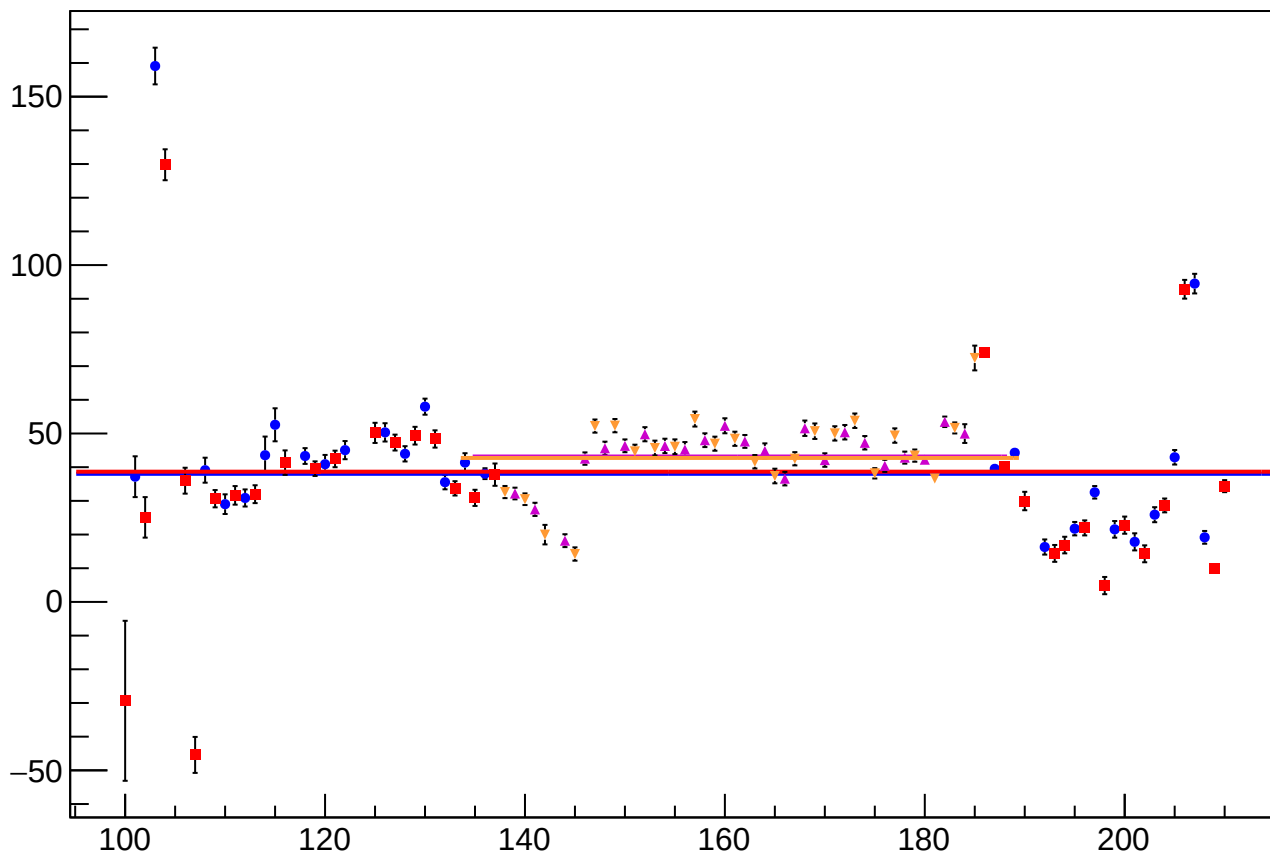
Left In: -7.547 ± 0.315 χ^2/NDF : 199.7/22

+ sign -6.347 ± 0.261 χ^2/NDF : 873.3/50

All: -6.257 ± 0.183 χ^2/NDF : 1929.4/104

- sign -6.170 ± 0.258 χ^2/NDF : 1055.9/53

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: 38.034 ± 0.434 $\chi^2/\text{NDF}: 1444.0/26$

Left Out: 42.745 ± 0.403 $\chi^2/\text{NDF}: 631.5/23$

Right Out: 38.664 ± 0.369 $\chi^2/\text{NDF}: 3071.9/30$

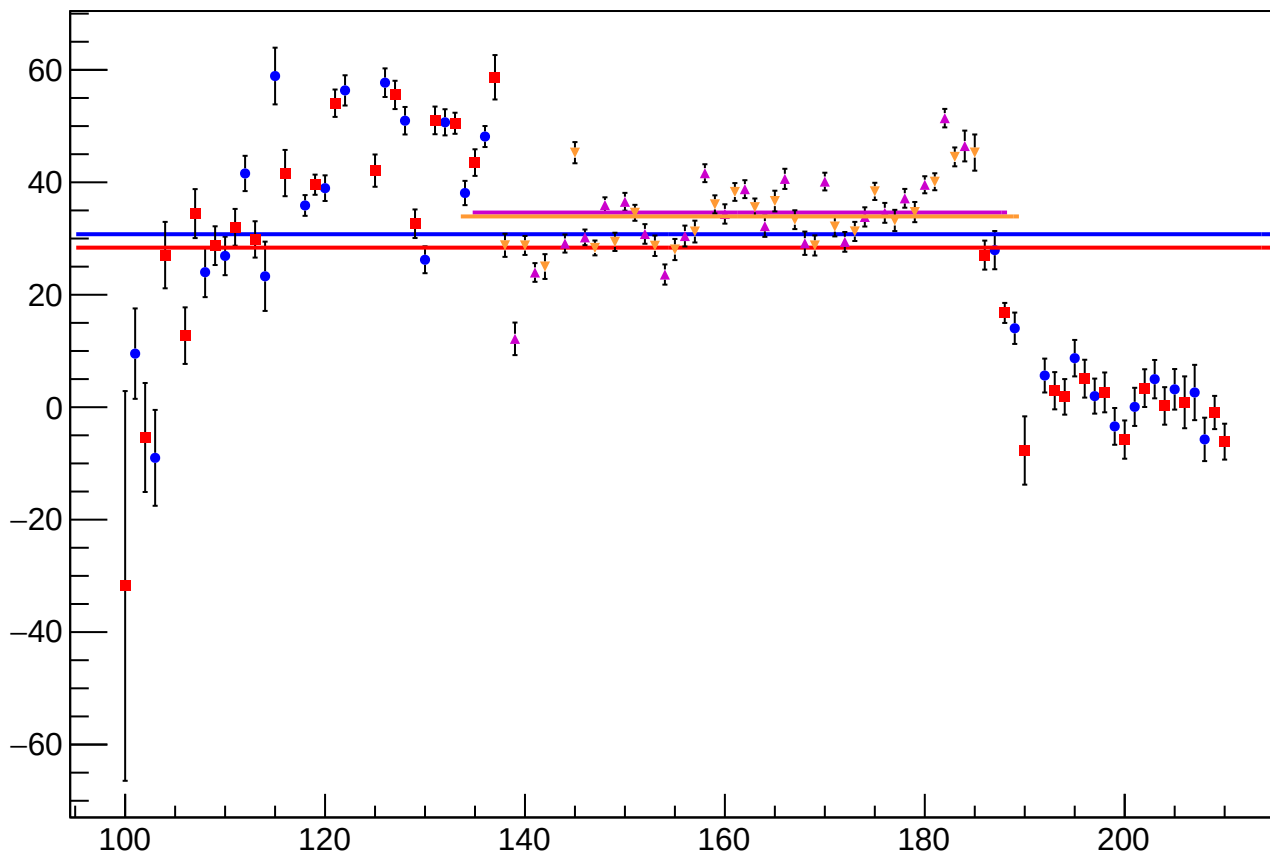
Left In: 43.169 ± 0.407 $\chi^2/\text{NDF}: 413.0/22$

+ sign 40.561 ± 0.295 $\chi^2/\text{NDF}: 2138.8/50$

All: 40.635 ± 0.201 $\chi^2/\text{NDF}: 5690.9/104$

- sign 40.698 ± 0.274 $\chi^2/\text{NDF}: 3552.0/53$

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 30.768+/-0.567 χ^2/NDF : 1209.7/26

Left Out: 33.930+/-0.351 χ^2/NDF : 216.5/23

Right Out: 28.381+/-0.539 χ^2/NDF : 1441.3/30

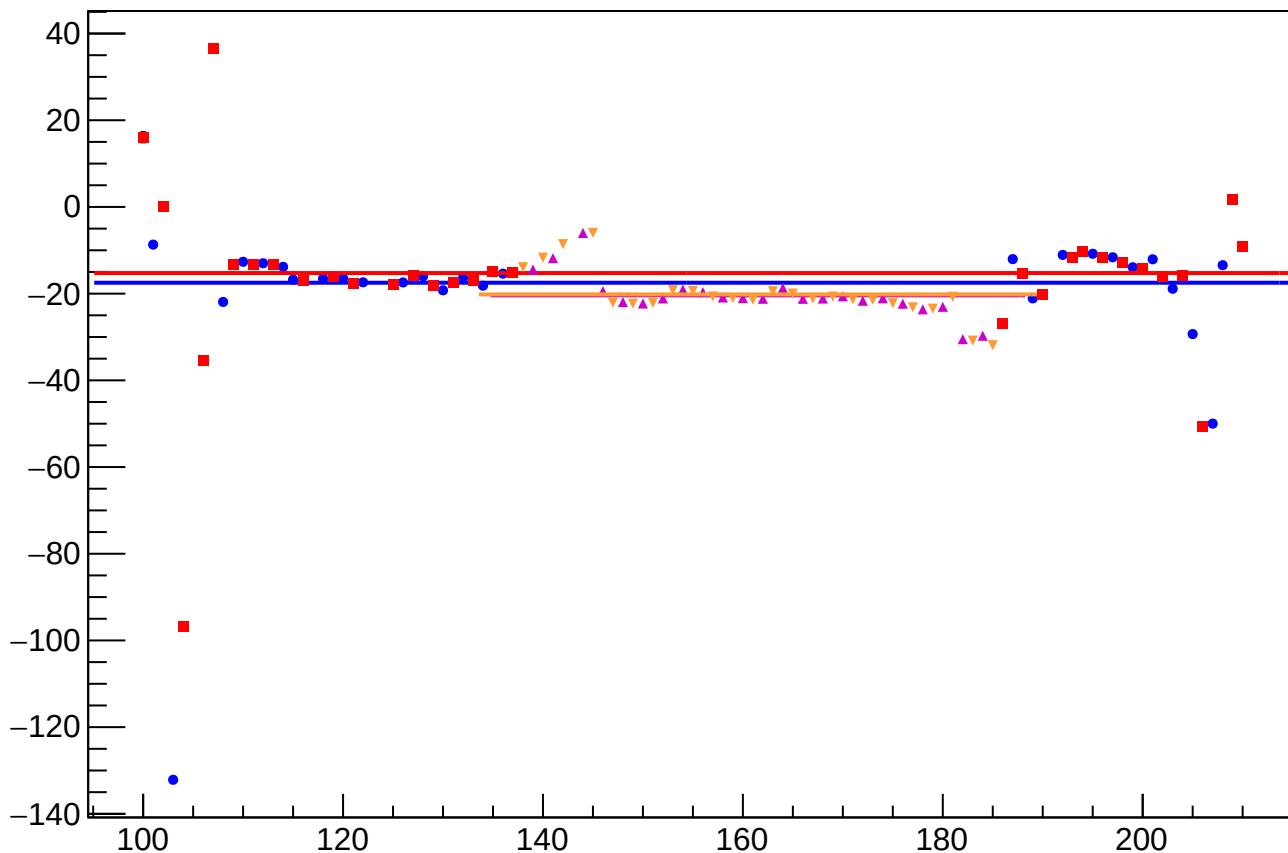
Left In: 34.623+/-0.356 χ^2/NDF : 376.1/22

+ sign 33.054+/-0.298 χ^2/NDF : 1448.7/50

All: 32.888+/-0.210 χ^2/NDF : 3360.2/104

- sign 32.723+/-0.297 χ^2/NDF : 1910.8/53

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: -17.482 ± 0.027 χ^2/NDF : 304339.7/26

Left Out: -20.174 ± 0.016 χ^2/NDF : 99947.2/23

Right Out: -15.248 ± 0.026 χ^2/NDF : 274500.8/30

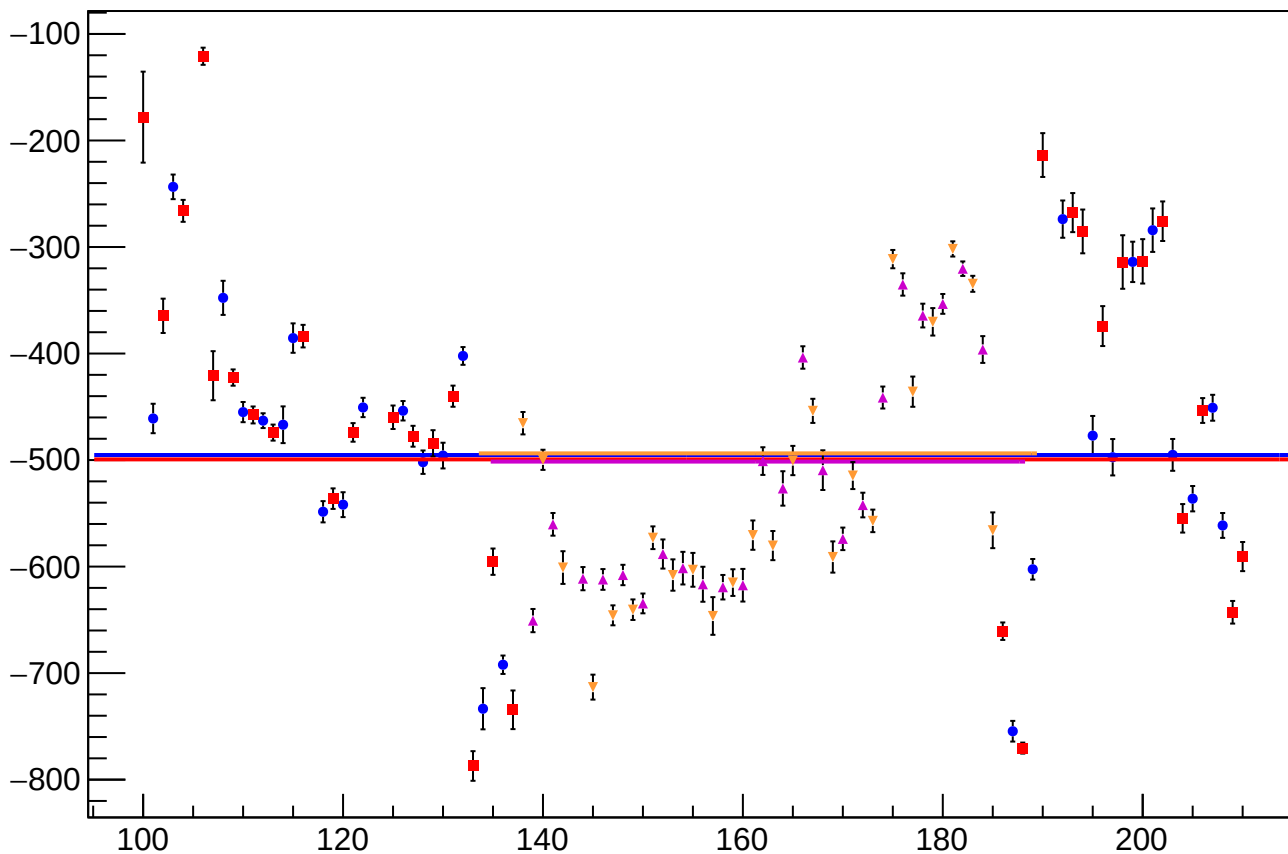
Left In: -20.396 ± 0.016 χ^2/NDF : 81154.4/22

+ sign -19.503 ± 0.014 χ^2/NDF : 411547.1/50

All: -19.259 ± 0.010 χ^2/NDF : 796264.1/104

- sign -19.021 ± 0.014 χ^2/NDF : 384087.2/53

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -495.255 ± 2.203 χ^2/NDF : 2811.5/26

Left Out: -493.722 ± 2.295 χ^2/NDF : 3150.0/23

Right Out: -499.366 ± 1.955 χ^2/NDF : 8042.2/30

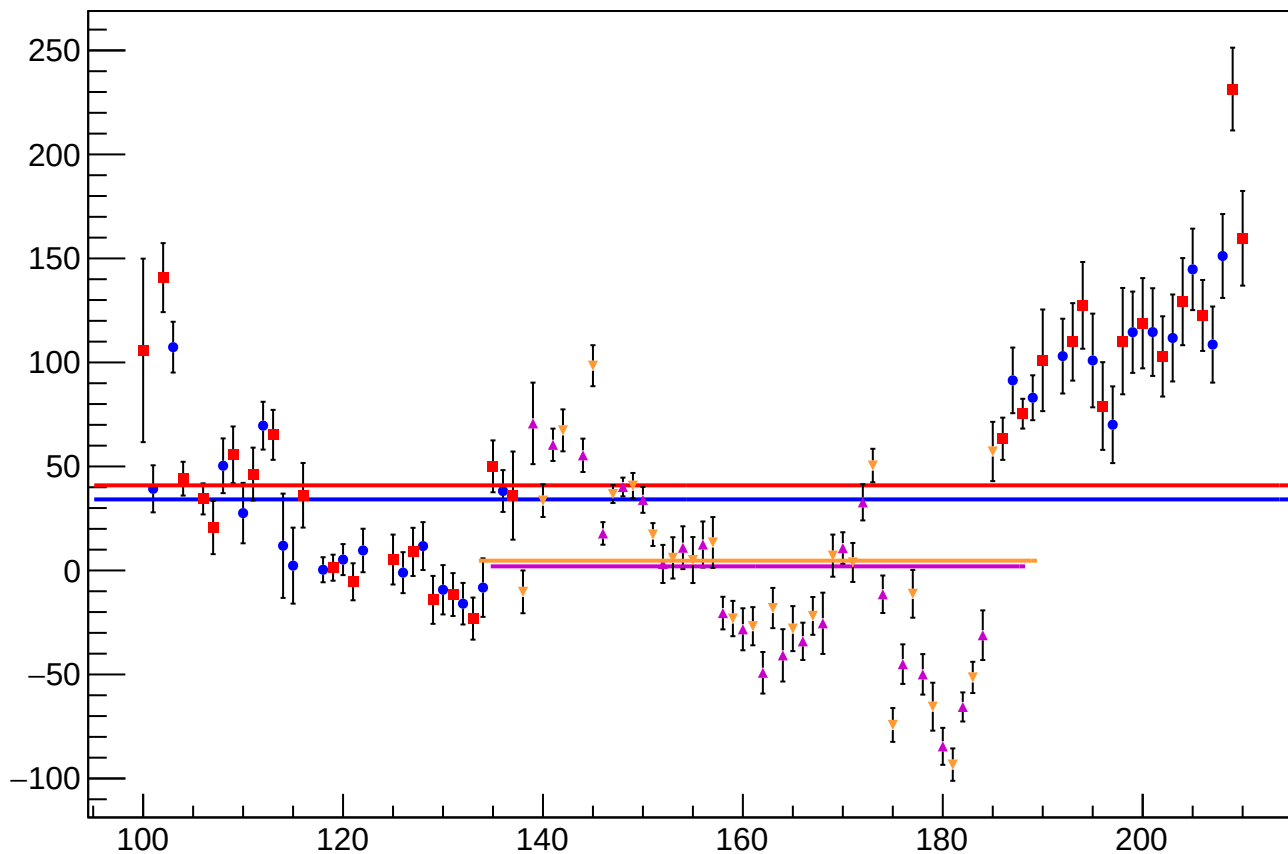
Left In: -501.425 ± 2.306 χ^2/NDF : 2689.3/22

+ sign -494.520 ± 1.589 χ^2/NDF : 5961.7/50

All: -497.555 ± 1.088 χ^2/NDF : 16700.6/104

- sign -500.227 ± 1.491 χ^2/NDF : 10732.0/53

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 34.164 ± 2.372 $\chi^2/\text{NDF}: 356.1/26$

Left Out: 4.709 ± 1.696 $\chi^2/\text{NDF}: 680.3/23$

Right Out: 40.917 ± 2.188 $\chi^2/\text{NDF}: 479.2/30$

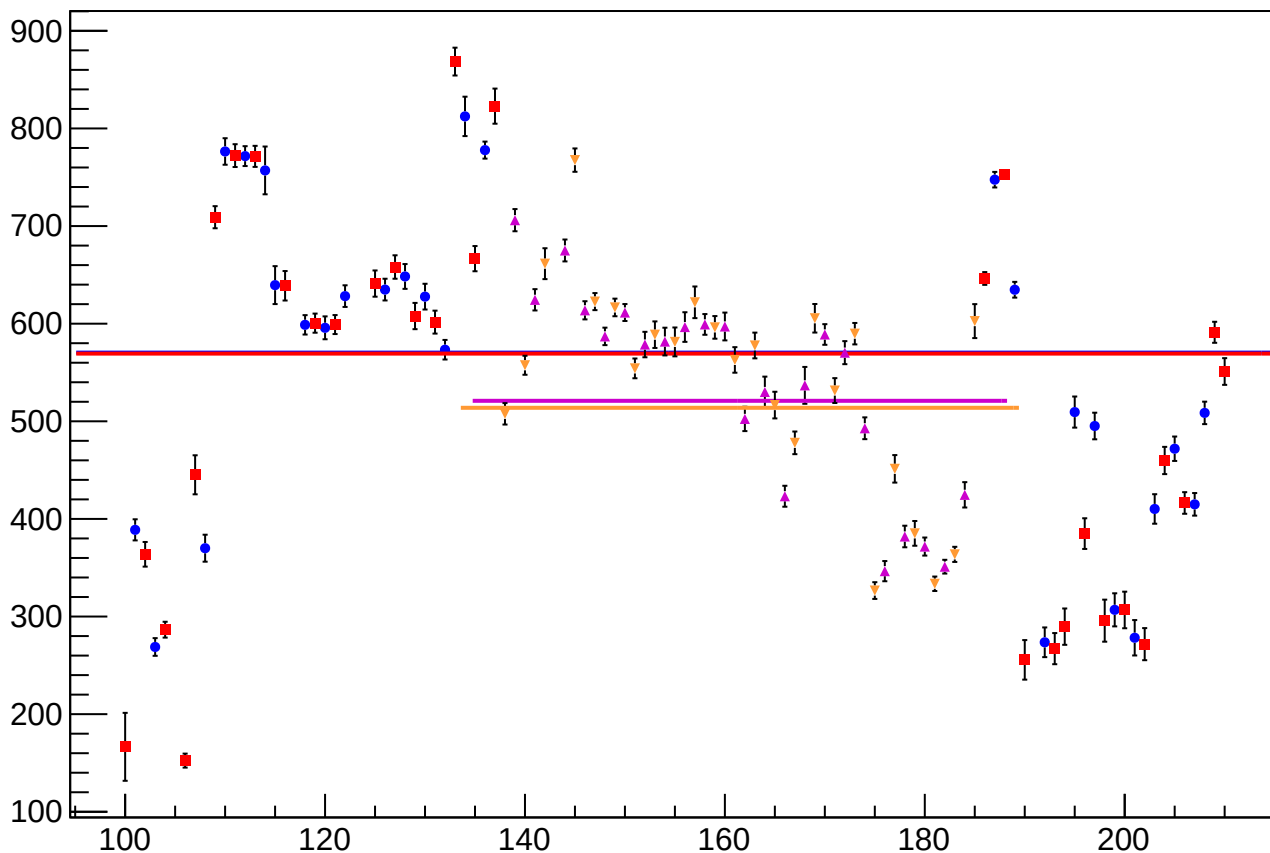
Left In: 1.970 ± 1.722 $\chi^2/\text{NDF}: 560.8/22$

+ sign 14.672 ± 1.379 $\chi^2/\text{NDF}: 1138.5/50$

All: 15.789 ± 0.966 $\chi^2/\text{NDF}: 2375.4/104$

- sign 16.865 ± 1.353 $\chi^2/\text{NDF}: 1235.6/53$

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 570.359 ± 2.273 $\chi^2/\text{NDF}: 5000.8/26$

Left Out: 513.833 ± 2.277 $\chi^2/\text{NDF}: 2735.5/23$

Right Out: 569.354 ± 1.948 $\chi^2/\text{NDF}: 10672.8/30$

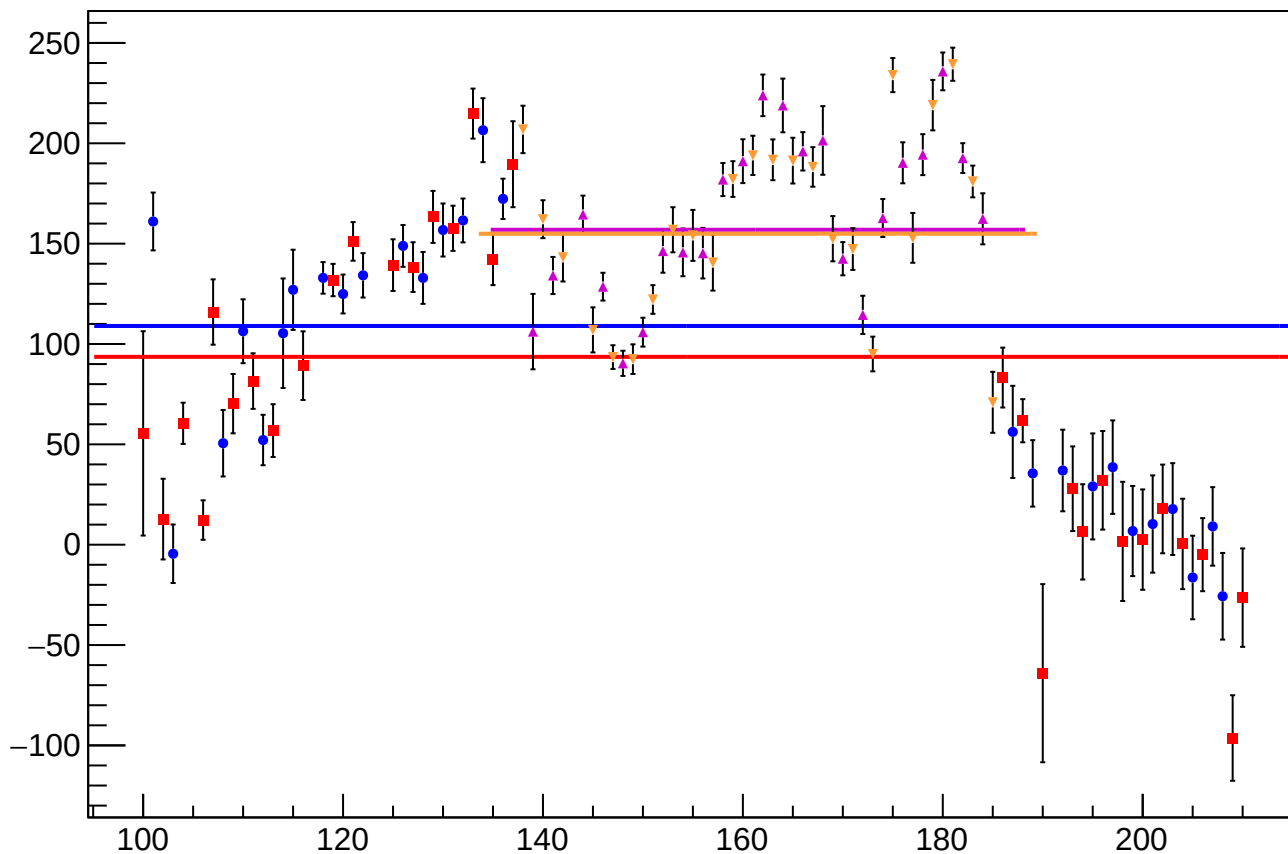
Left In: 520.990 ± 2.283 $\chi^2/\text{NDF}: 2442.8/22$

+ sign 542.146 ± 1.609 $\chi^2/\text{NDF}: 8045.0/50$

All: 545.839 ± 1.090 $\chi^2/\text{NDF}: 21430.0/104$

- sign 548.974 ± 1.482 $\chi^2/\text{NDF}: 13375.2/53$

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 108.983 ± 2.781 $\chi^2/\text{NDF}: 466.2/26$

Left Out: 154.944 ± 1.953 $\chi^2/\text{NDF}: 609.0/23$

Right Out: 93.590 ± 2.618 $\chi^2/\text{NDF}: 618.9/30$

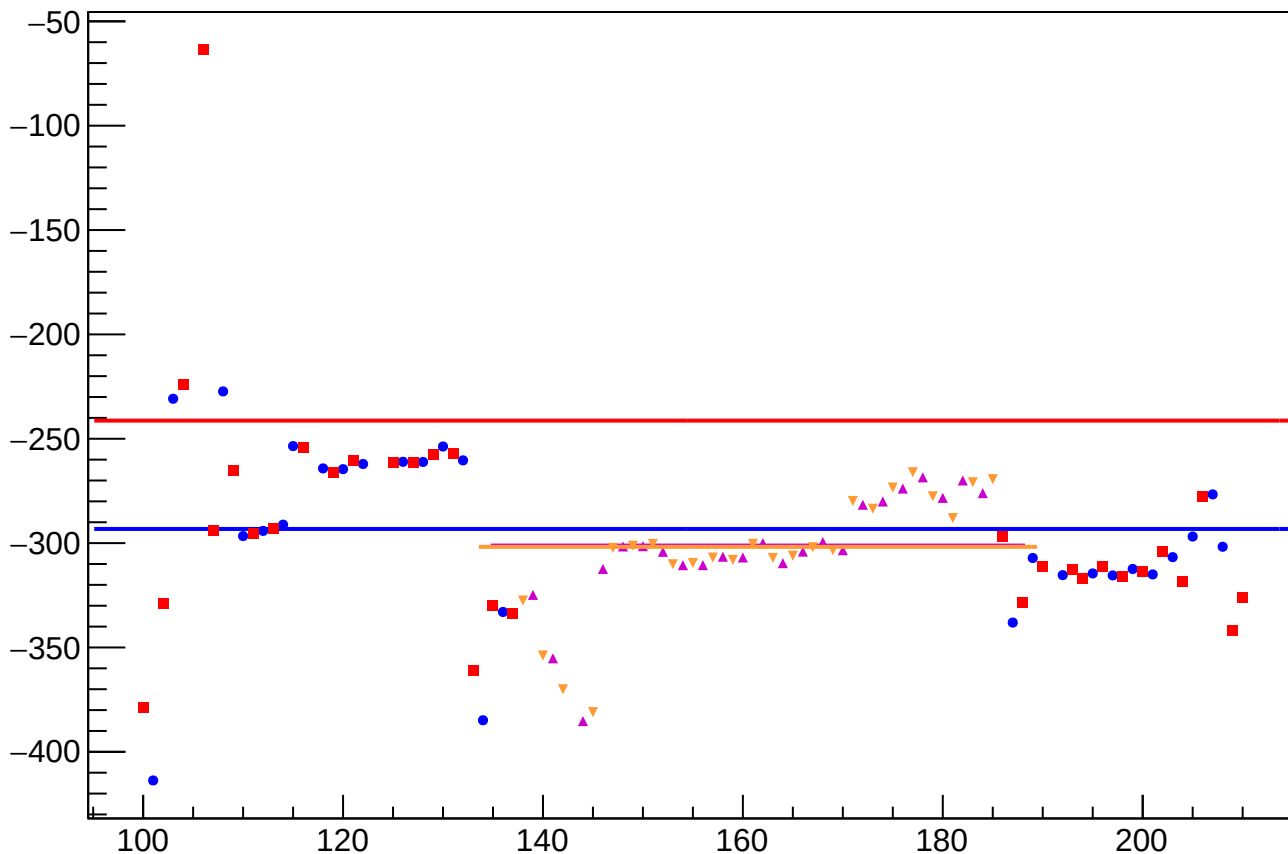
Left In: 156.934 ± 1.971 $\chi^2/\text{NDF}: 443.2/22$

+ sign 139.765 ± 1.598 $\chi^2/\text{NDF}: 1258.0/50$

All: 136.850 ± 1.122 $\chi^2/\text{NDF}: 2700.2/104$

- sign 134.019 ± 1.575 $\chi^2/\text{NDF}: 1435.6/53$

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -293.209 ± 0.142 $\chi^2/\text{NDF}: 113611.6/26$

Left Out: -301.785 ± 0.091 $\chi^2/\text{NDF}: 86719.4/23$

Right Out: -241.309 ± 0.123 $\chi^2/\text{NDF}: 699439.2/30$

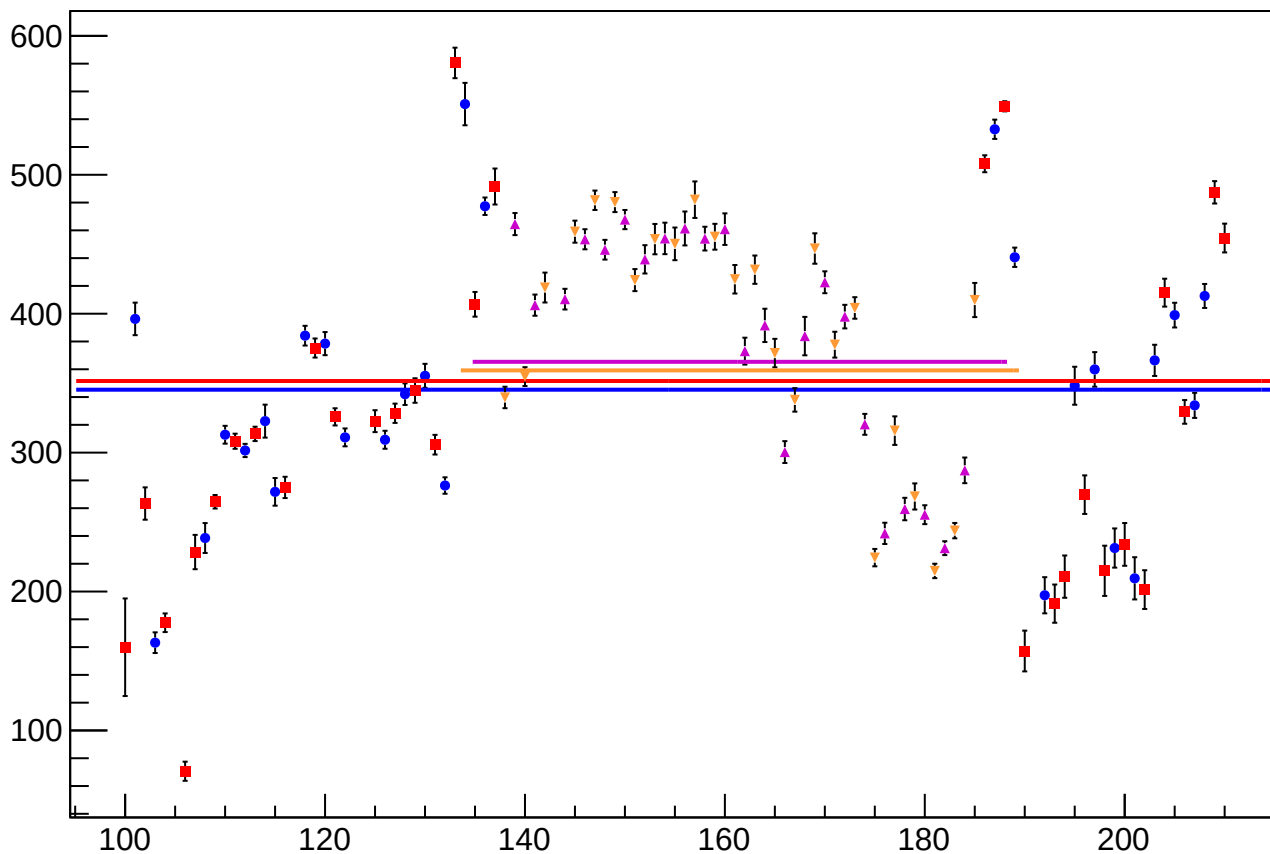
Left In: -301.176 ± 0.090 $\chi^2/\text{NDF}: 75325.3/22$

+ sign -299.292 ± 0.076 $\chi^2/\text{NDF}: 202925.0/50$

All: -289.275 ± 0.053 $\chi^2/\text{NDF}: 1164947.3/10$

- sign -280.245 ± 0.073 $\chi^2/\text{NDF}: 929389.6/53$

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 345.296 $\pm$ 1.572 χ^2 /NDF: 3046.4/26

Left Out: 359.188 $\pm$ 1.681 χ^2 /NDF:3187.9/23

Right Out: 351.555 $\pm$ 1.394 χ^2 /NDF: 8431.5/30

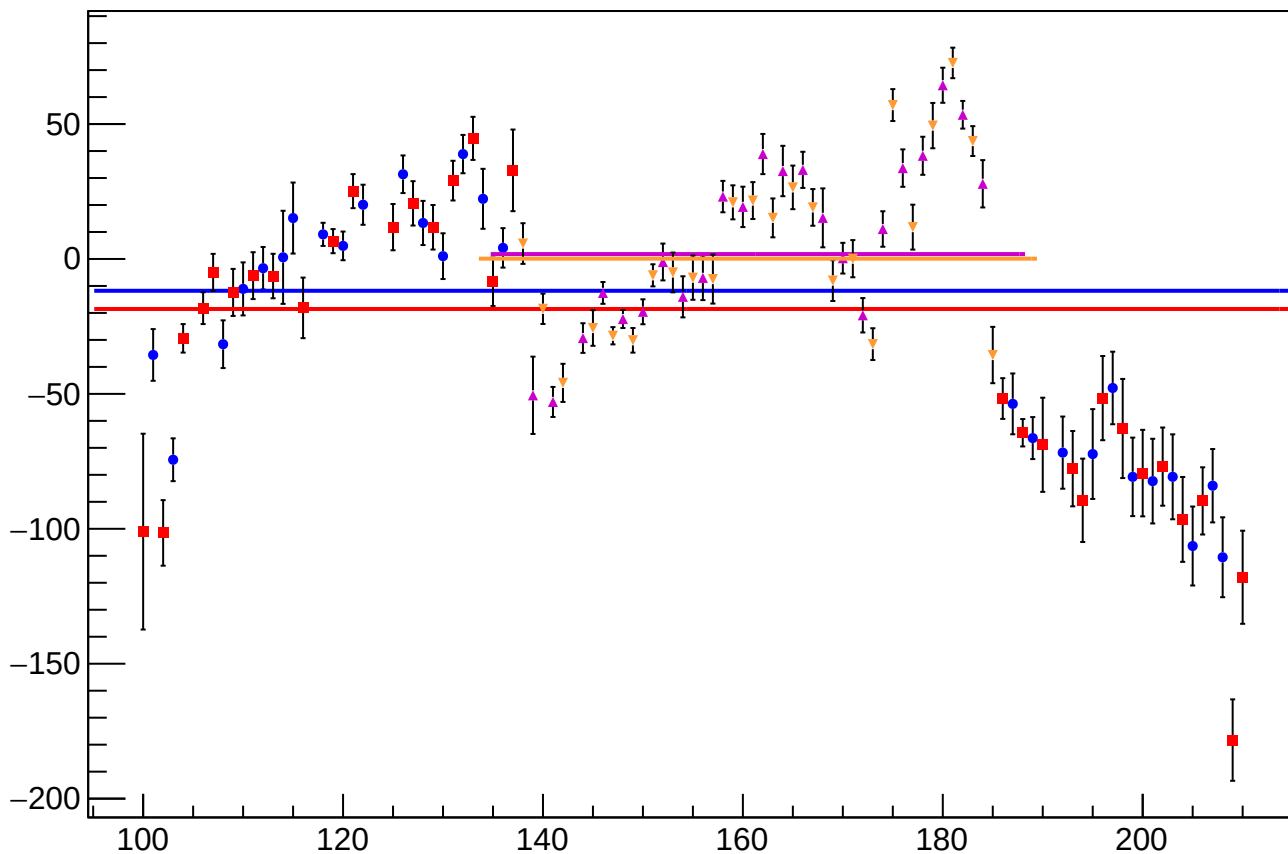
Left In: 365.362 $\pm$ 1.692 χ^2 /NDF:2739.5/22

+ sign 351.775 $\pm$ 1.148 χ^2 /NDF: 6270.7/50

All: 354.629 $\pm$ 0.785 χ^2 /NDF: 17492.9/104

- sign 357.136 $\pm$ 1.076 χ^2 /NDF: 11210.6/53

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -11.789 ± 1.700 χ^2/NDF : 526.4/26

Left Out: 0.114 ± 1.247 χ^2/NDF : 637.9/23

Right Out: -18.538 ± 1.553 χ^2/NDF : 702.1/30

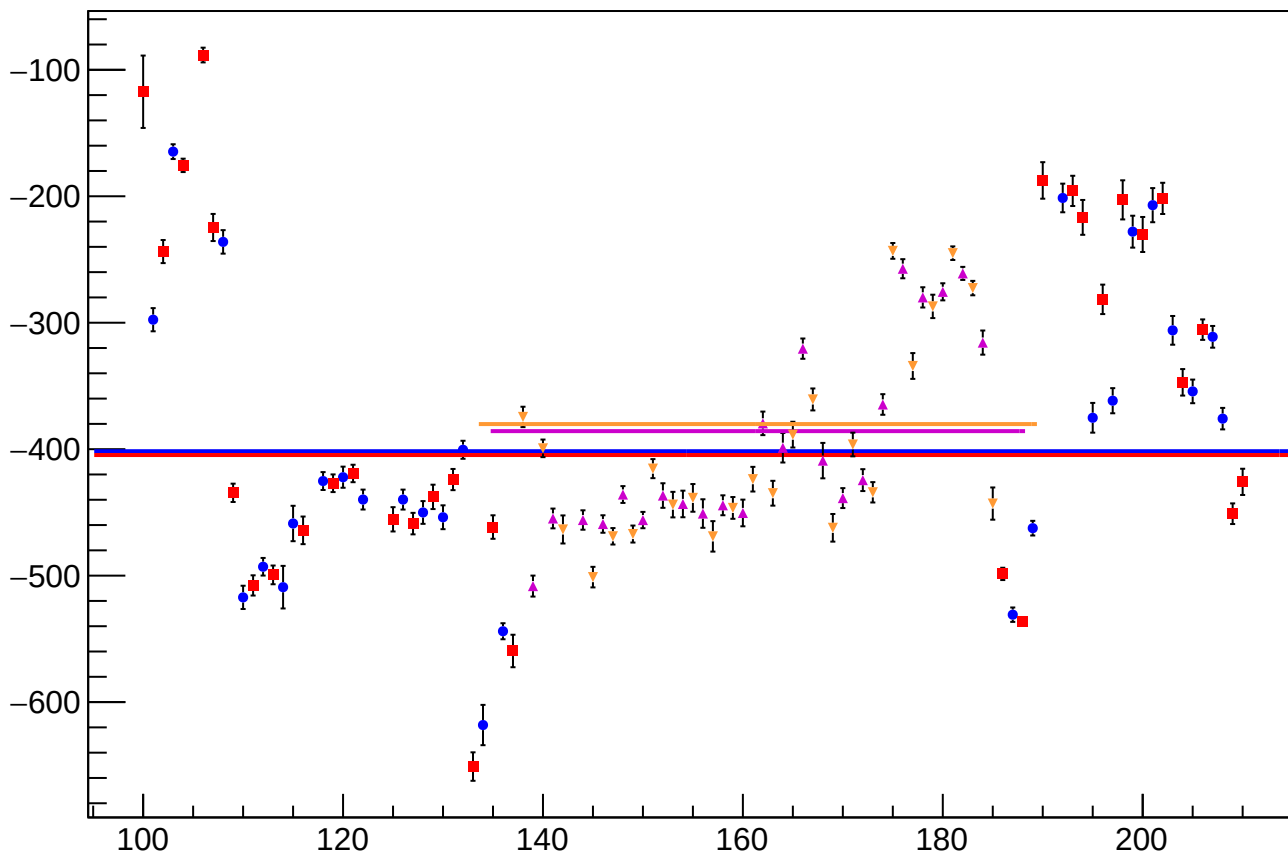
Left In: 1.812 ± 1.267 χ^2/NDF : 577.0/22

+ sign -4.048 ± 1.005 χ^2/NDF : 1196.2/50

All: -5.211 ± 0.702 χ^2/NDF : 2581.1/104

- sign -6.320 ± 0.982 χ^2/NDF : 1382.3/53

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -401.602 $\pm$ 1.629 χ^2 /NDF: 4861.7/26

Left Out: -380.144 $\pm$ 1.670 χ^2 /NDF: 2618.6/23

Right Out: -404.629 $\pm$ 1.397 χ^2 /NDF: 10692.0/30

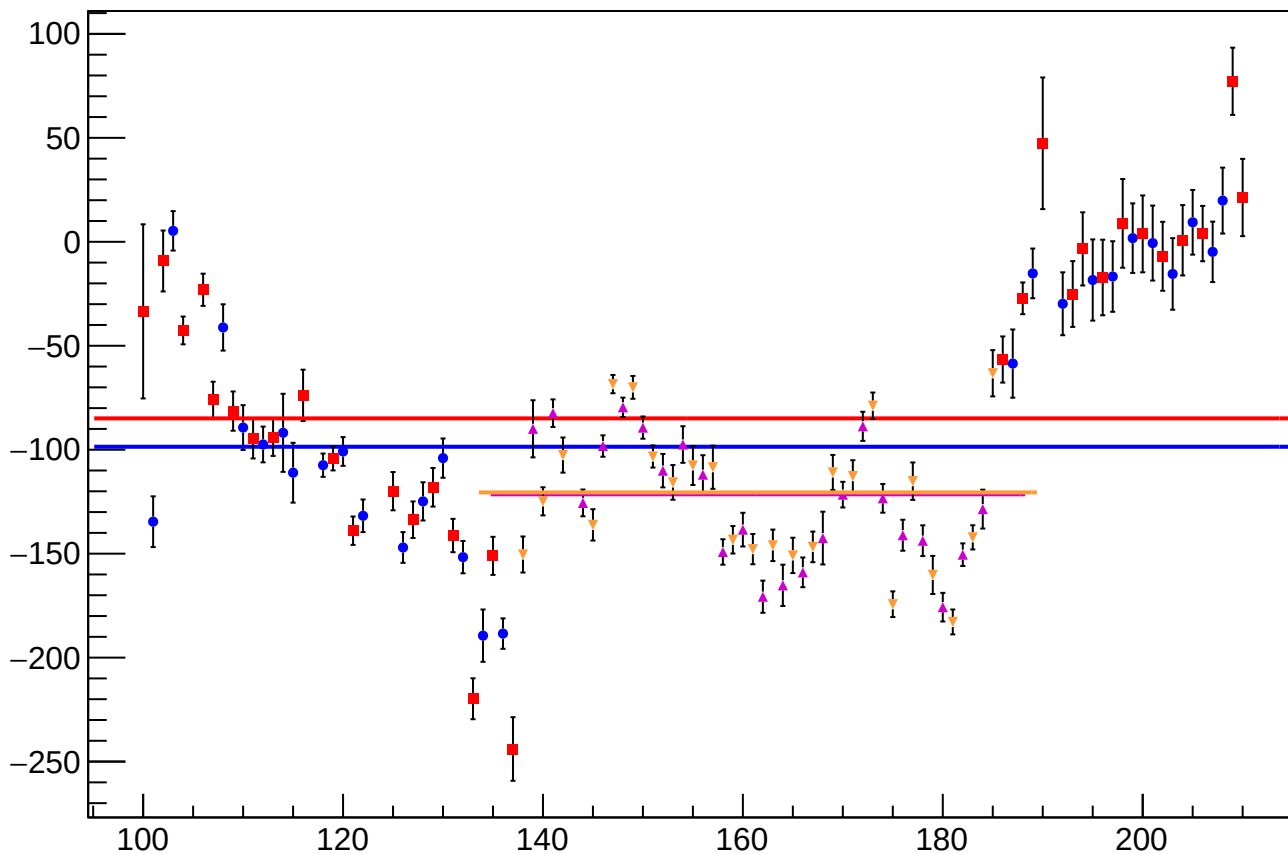
Left In: -385.725 $\pm$ 1.677 χ^2 /NDF: 2361.2/22

+ sign -391.134 $\pm$ 1.166 χ^2 /NDF: 7564.9/50

All: -394.249 $\pm$ 0.790 χ^2 /NDF: 20706.4/104

- sign -396.887 $\pm$ 1.073 χ^2 /NDF: 13128.3/53

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -98.578 ± 1.993 χ^2/NDF : 828.3/26

Left Out: -120.541 ± 1.435 χ^2/NDF : 611.5/23

Right Out: -84.929 ± 1.857 χ^2/NDF : 1064.2/30

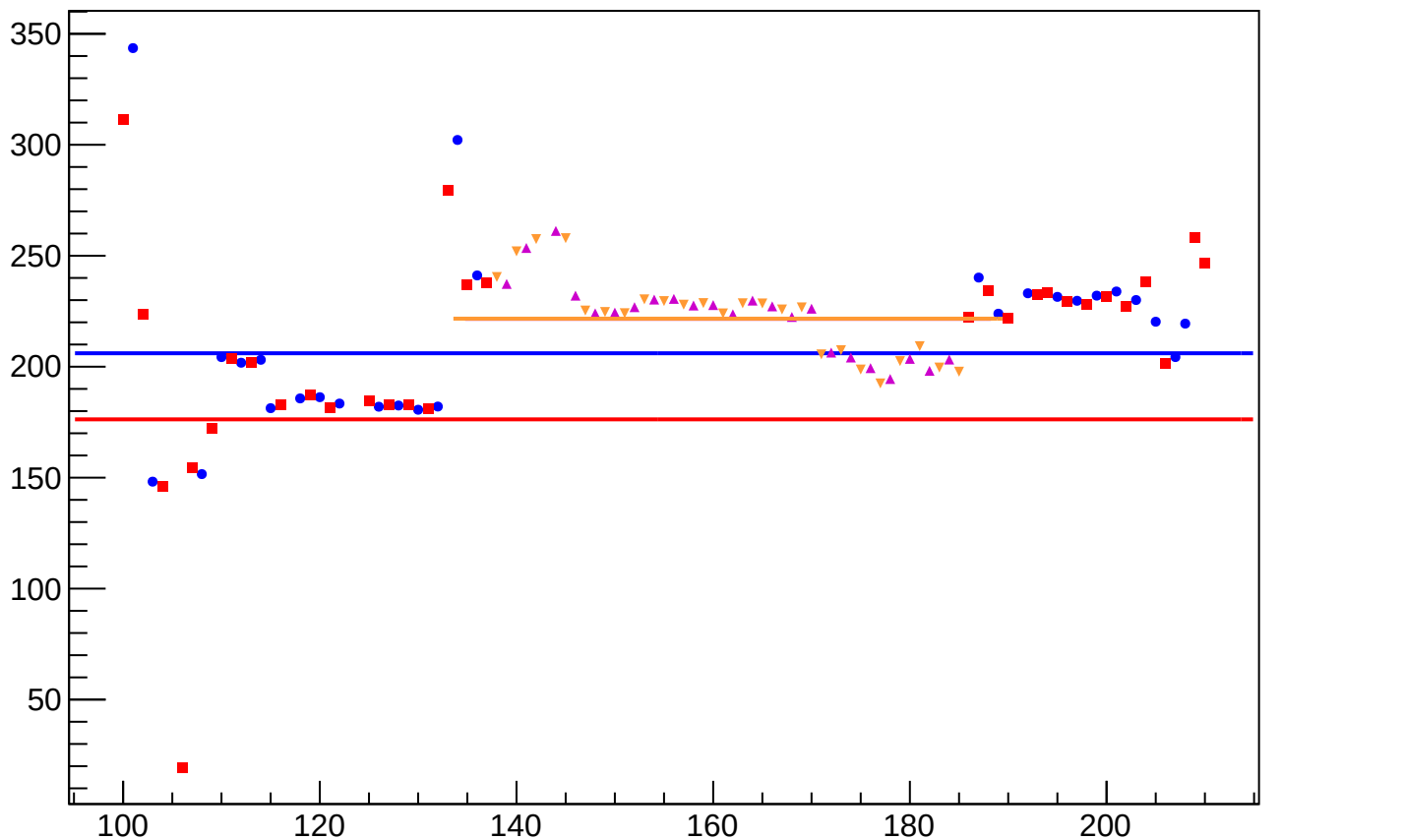
Left In: -121.453 ± 1.450 χ^2/NDF : 432.6/22

+ sign -113.041 ± 1.165 χ^2/NDF : 1519.8/50

All: -110.281 ± 0.816 χ^2/NDF : 3268.0/104

- sign -107.624 ± 1.143 χ^2/NDF : 1737.2/53

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 206.060 $\pm$ 0.101 χ^2 /NDF: 201564.0/26

Left Out: 221.652 $\pm$ 0.067 χ^2 /NDF: 67213.0/23

Right Out: 176.274 $\pm$ 0.091 χ^2 /NDF: 669504.0/30

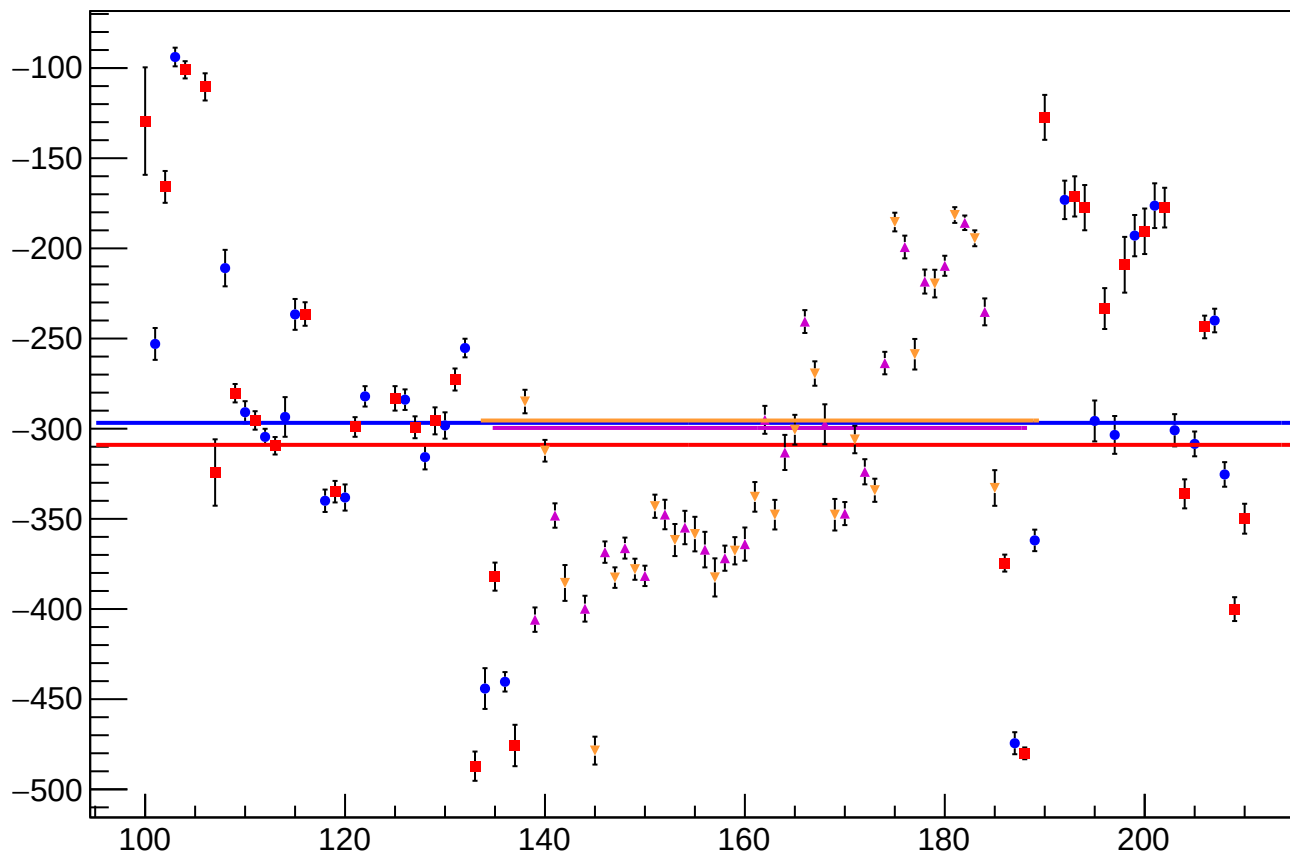
Left In: 221.574 $\pm$ 0.066 χ^2 /NDF: 62122.0/22

+ sign 216.945 $\pm$ 0.056 χ^2 /NDF: 285284.0/50

All: 211.169 $\pm$ 0.039 χ^2 /NDF: 1200109.2/104

- sign 205.844 $\pm$ 0.053 χ^2 /NDF: 894166.2/53

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -296.760 ± 1.338 $\chi^2/\text{NDF}: 4103.0/26$

Left Out: -295.464 ± 1.393 $\chi^2/\text{NDF}: 3346.3/23$

Right Out: -308.966 ± 1.213 $\chi^2/\text{NDF}: 7950.7/30$

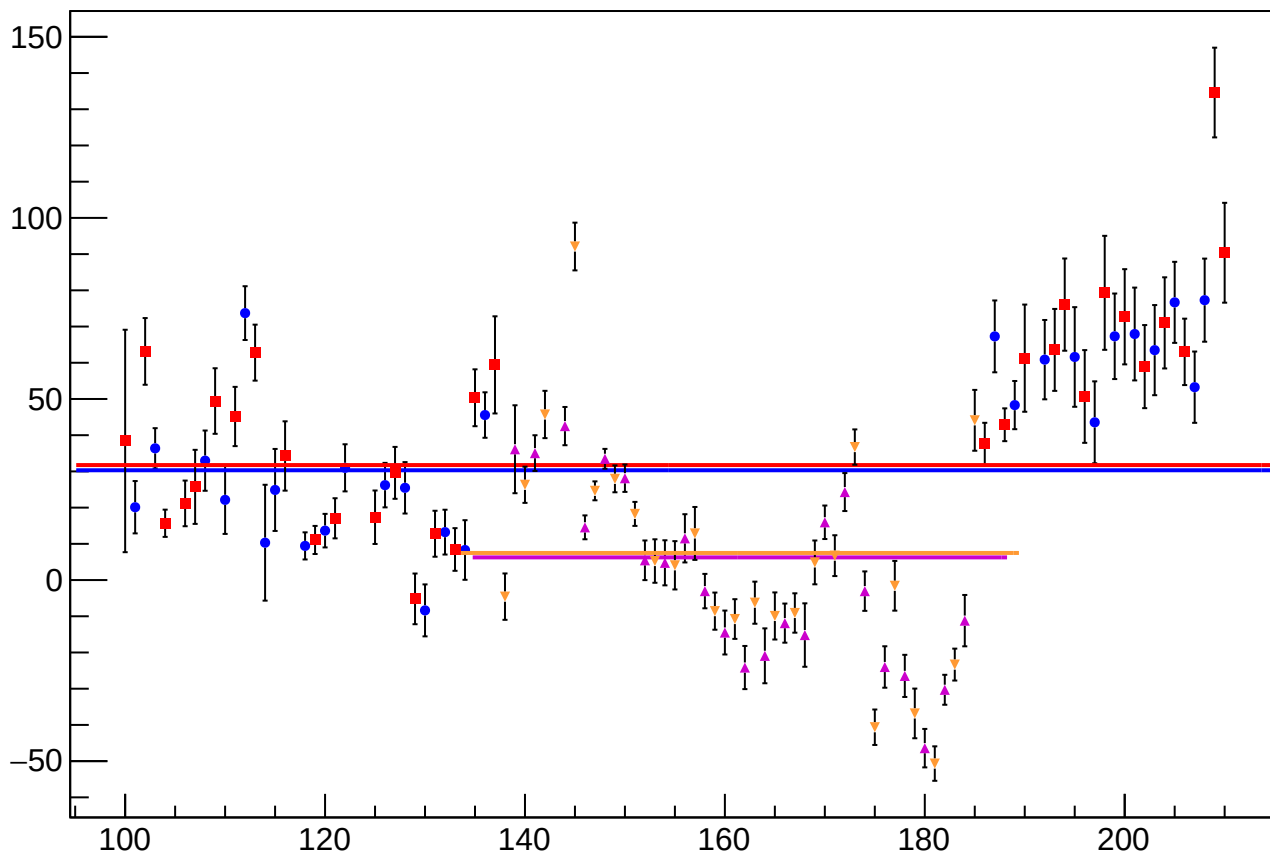
Left In: -299.588 ± 1.397 $\chi^2/\text{NDF}: 2971.7/22$

+ sign -296.138 ± 0.965 $\chi^2/\text{NDF}: 7449.8/50$

All: -300.764 ± 0.664 $\chi^2/\text{NDF}: 18441.5/104$

- sign -304.932 ± 0.916 $\chi^2/\text{NDF}: 10948.1/53$

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 30.315 ± 1.443 $\chi^2/\text{NDF}: 235.2/26$

Left Out: 7.486 ± 1.030 $\chi^2/\text{NDF}: 738.5/23$

Right Out: 31.749 ± 1.341 $\chi^2/\text{NDF}: 323.5/30$

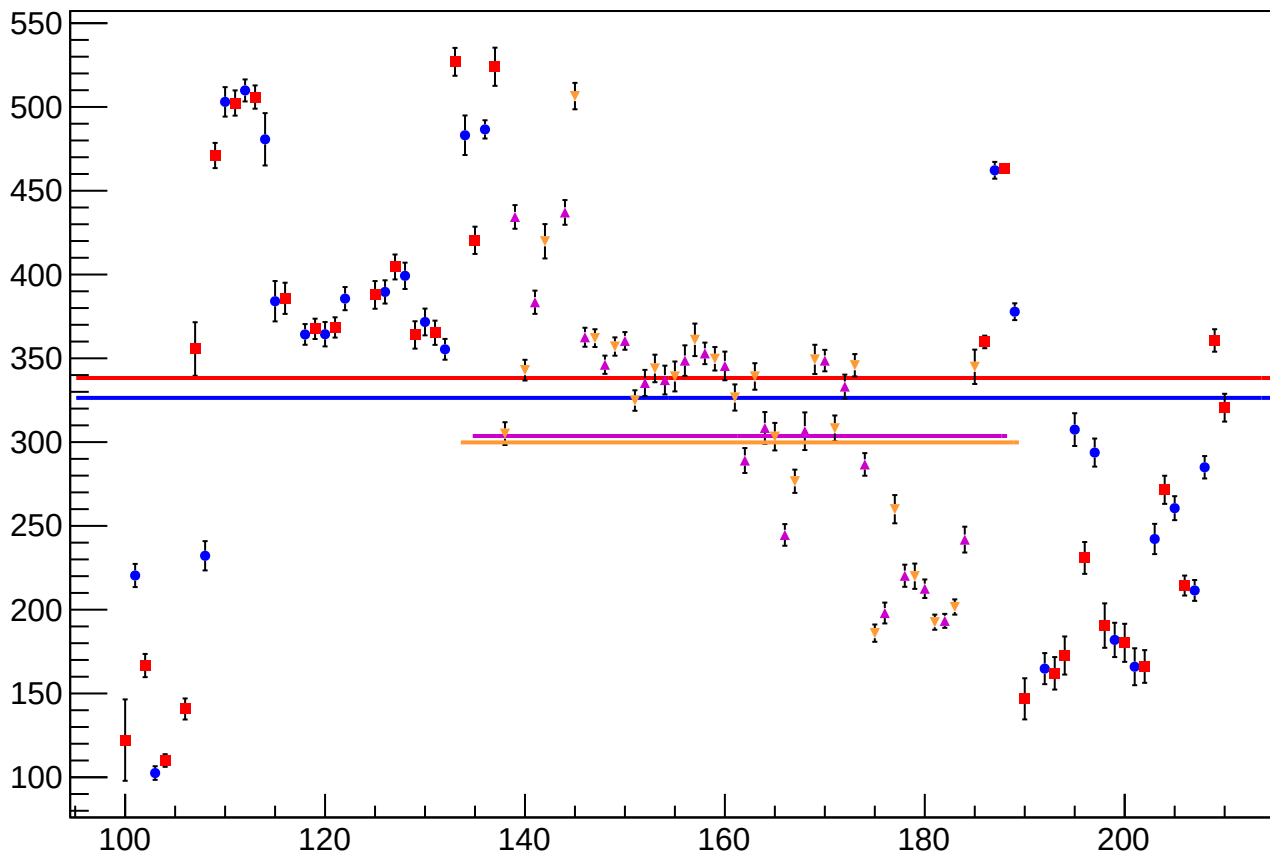
Left In: 6.259 ± 1.045 $\chi^2/\text{NDF}: 559.4/22$

+ sign 15.189 ± 0.838 $\chi^2/\text{NDF}: 1139.5/50$

All: 15.545 ± 0.588 $\chi^2/\text{NDF}: 2247.7/104$

- sign 15.890 ± 0.824 $\chi^2/\text{NDF}: 1107.8/53$

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 326.389 ± 1.360 χ^2/NDF : 8214.9/26

Left Out: 299.825 ± 1.381 χ^2/NDF : 3076.1/23

Right Out: 338.266 ± 1.193 χ^2/NDF : 12156.7/30

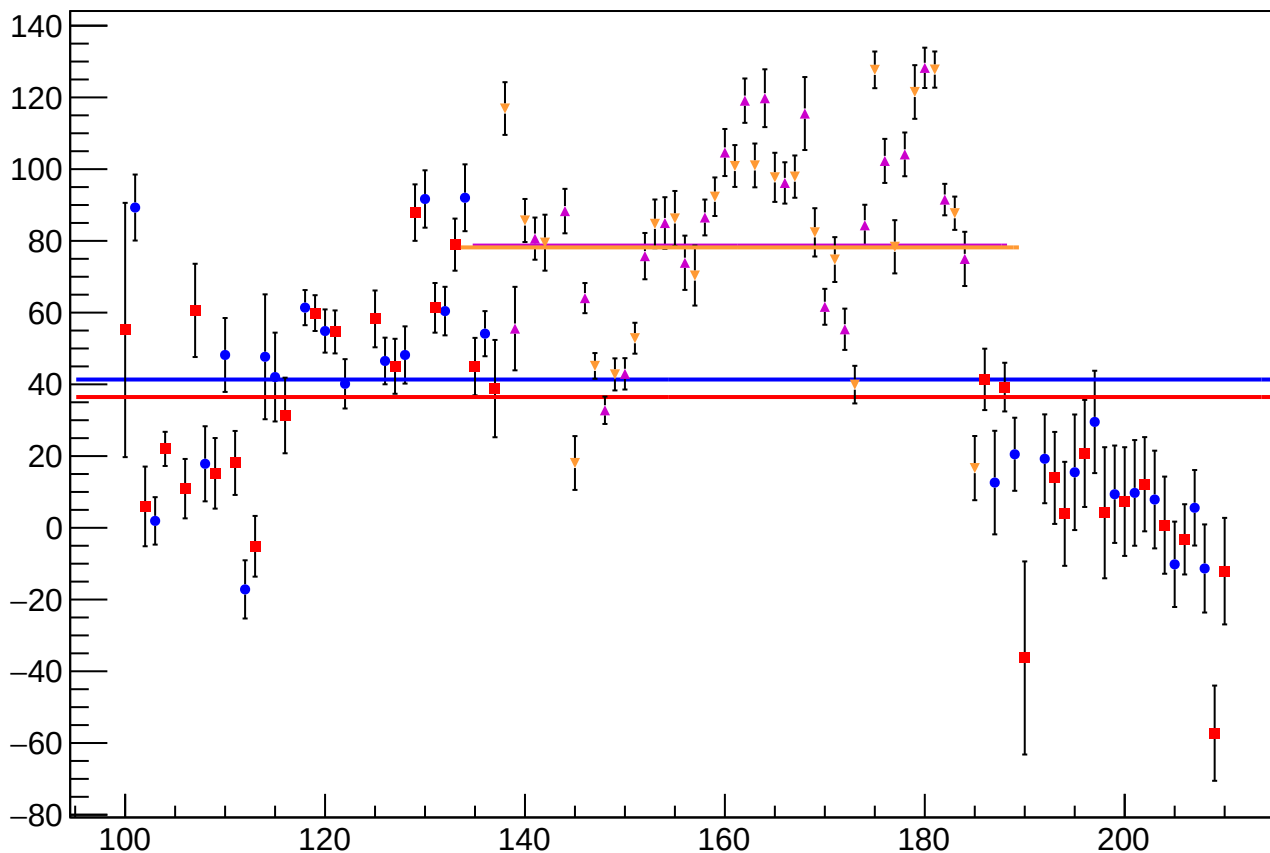
Left In: 303.652 ± 1.383 χ^2/NDF : 2872.6/22

+ sign 313.314 ± 0.969 χ^2/NDF : 11478.8/50

All: 318.760 ± 0.661 χ^2/NDF : 26926.5/104

- sign 323.492 ± 0.903 χ^2/NDF : 15388.6/53

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 41.346+/-1.690 χ^2 /NDF: 304.2/26

Left Out: 78.181+/-1.185 χ^2 /NDF:663.3/23

Right Out: 36.463+/-1.604 χ^2 /NDF: 305.5/30

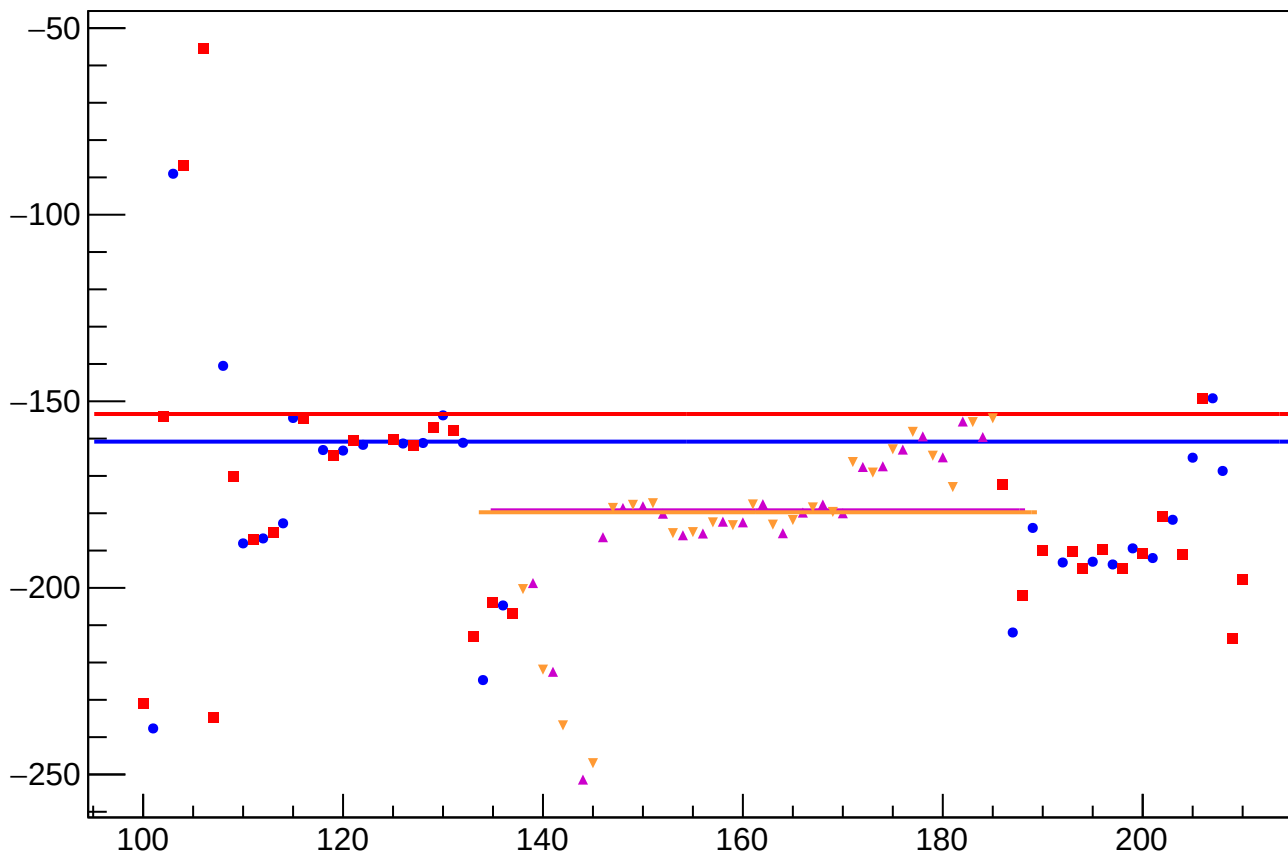
Left In: 78.689+/-1.195 χ^2 /NDF:488.6/22

+ sign 66.048+/-0.970 χ^2 /NDF: 1286.0/50

All: 64.819+/-0.682 χ^2 /NDF: 2529.0/104

- sign 63.619+/-0.958 χ^2 /NDF: 1239.8/53

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -160.809+/-0.082 χ^2/NDF : 304689.3/26

Left Out: -179.738+/-0.055 χ^2/NDF :132199.5/23

Right Out: -153.406+/-0.078 χ^2/NDF : 432347.1/30

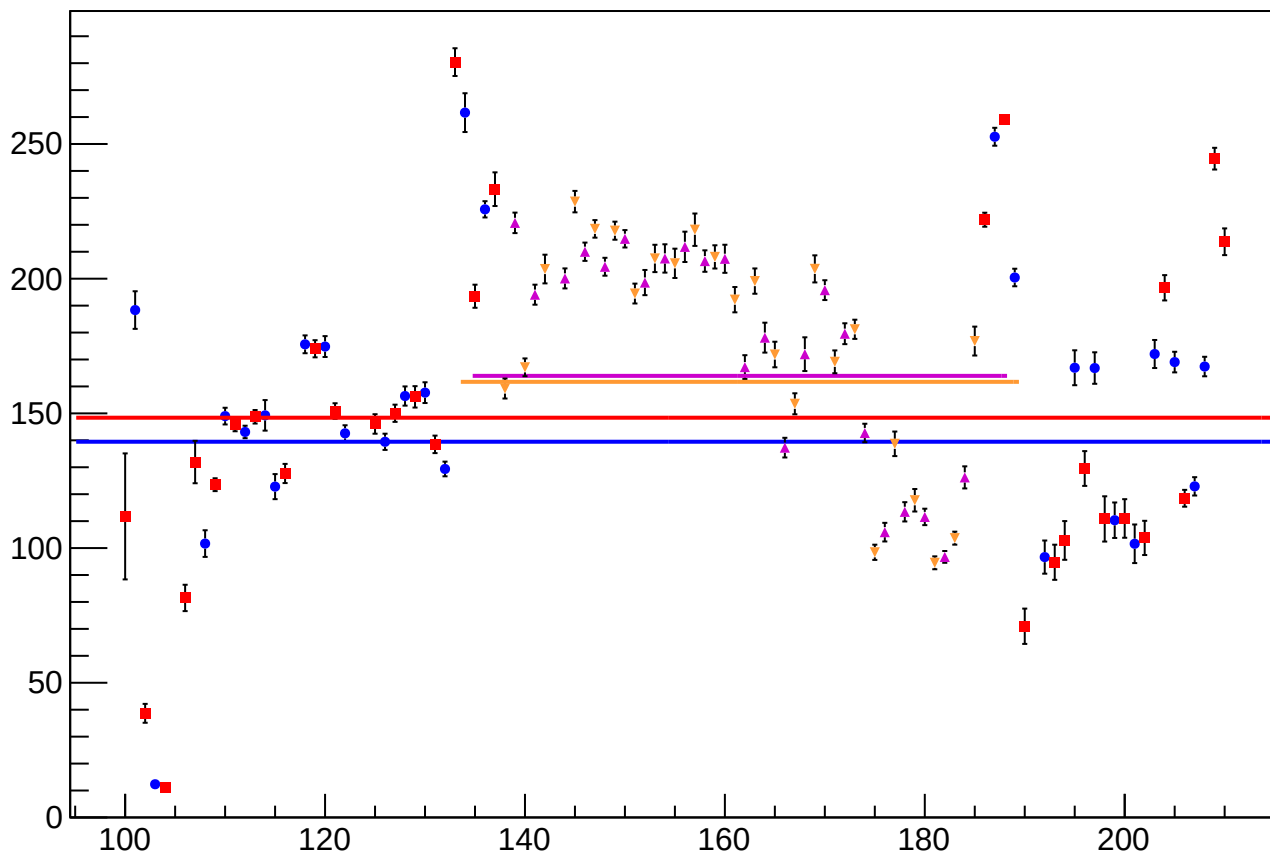
Left In: -179.219+/-0.055 χ^2/NDF :113522.5/22

+ sign -173.836+/-0.046 χ^2/NDF : 473825.1/50

All: -172.241+/-0.032 χ^2/NDF : 1095969.2/10

- sign -170.714+/-0.045 χ^2/NDF : 619751.1/53

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 139.474 $\pm$ 0.691 χ^2 /NDF: 8223.7/26

Left Out: 161.708 $\pm$ 0.776 χ^2 /NDF: 3587.3/23

Right Out: 148.394 $\pm$ 0.628 χ^2 /NDF: 14061.2/30

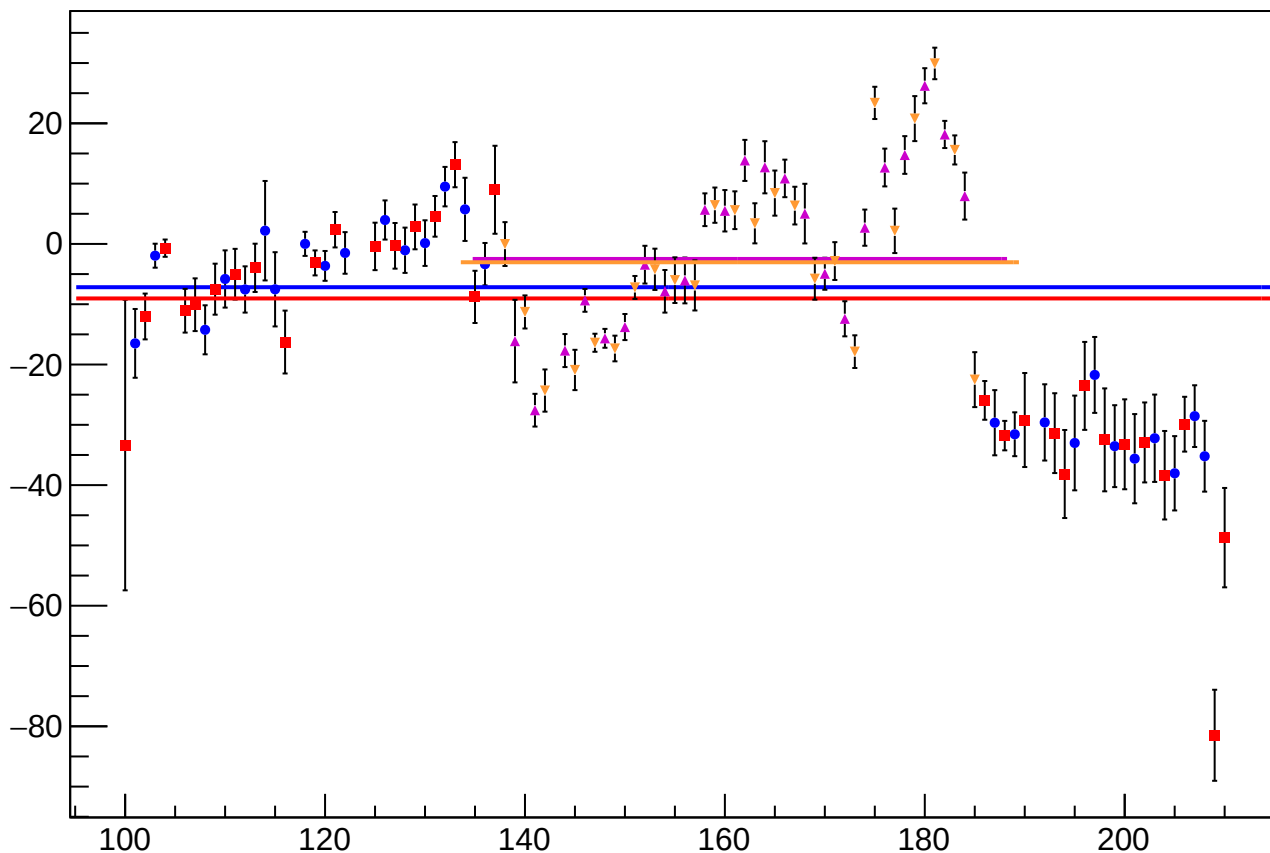
Left In: 163.927 $\pm$ 0.779 χ^2 /NDF: 3335.5/22

+ sign 149.301 $\pm$ 0.516 χ^2 /NDF: 12268.9/50

All: 152.045 $\pm$ 0.355 χ^2 /NDF: 29960.2/104

- sign 154.507 $\pm$ 0.489 χ^2 /NDF: 17637.7/53

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -7.178 ± 0.751 χ^2/NDF : 281.2/26

Left Out: -3.038 ± 0.578 χ^2/NDF : 654.5/23

Right Out: -9.042 ± 0.677 χ^2/NDF : 477.3/30

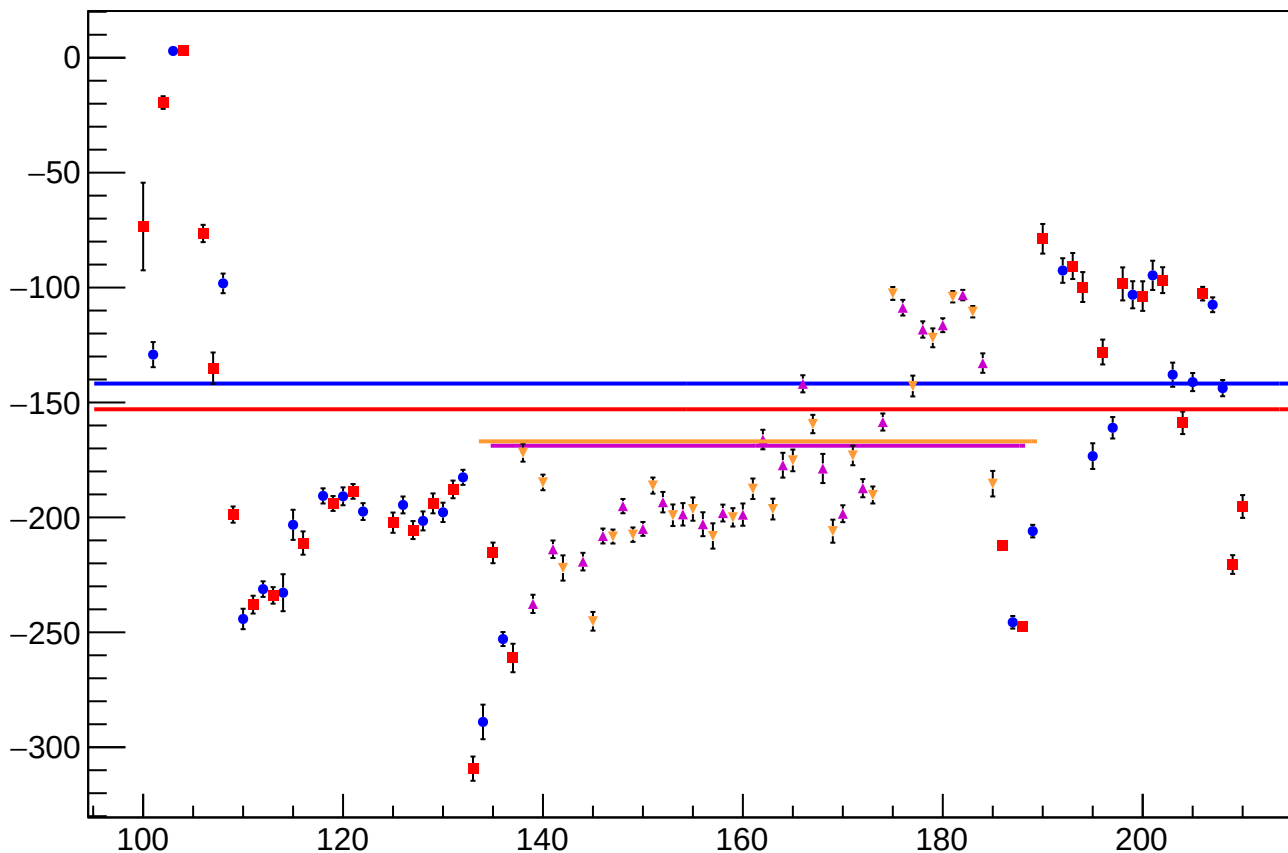
Left In: -2.492 ± 0.587 χ^2/NDF : 562.9/22

+ sign -4.578 ± 0.458 χ^2/NDF : 954.8/50

All: -4.951 ± 0.319 χ^2/NDF : 2049.7/104

- sign -5.301 ± 0.443 χ^2/NDF : 1093.6/53

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -141.769+/-0.689 χ^2/NDF : 17241.0/26

Left Out: -166.912+/-0.771 χ^2/NDF : 3096.2/23

Right Out: -152.960+/-0.610 χ^2/NDF : 24382.4/30

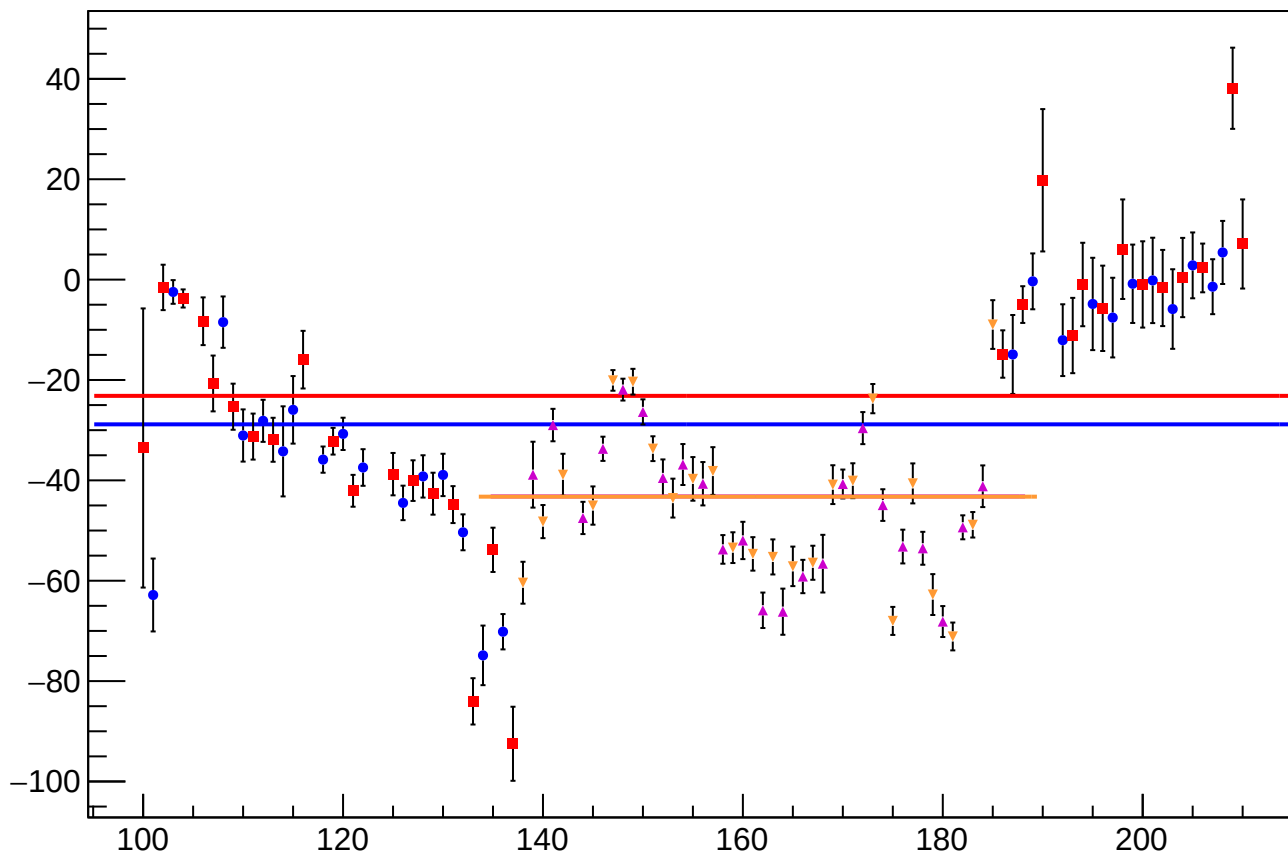
Left In: -168.810+/-0.772 χ^2/NDF : 3059.5/22

+ sign -152.934+/-0.514 χ^2/NDF : 20928.7/50

All: -156.205+/-0.350 χ^2/NDF : 48705.7/104

- sign -159.045+/-0.479 χ^2/NDF : 27701.3/53

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -28.838 ± 0.880 $\chi^2/\text{NDF}: 602.7/26$

Left Out: -43.251 ± 0.664 $\chi^2/\text{NDF}: 610.2/23$

Right Out: -23.164 ± 0.813 $\chi^2/\text{NDF}: 782.3/30$

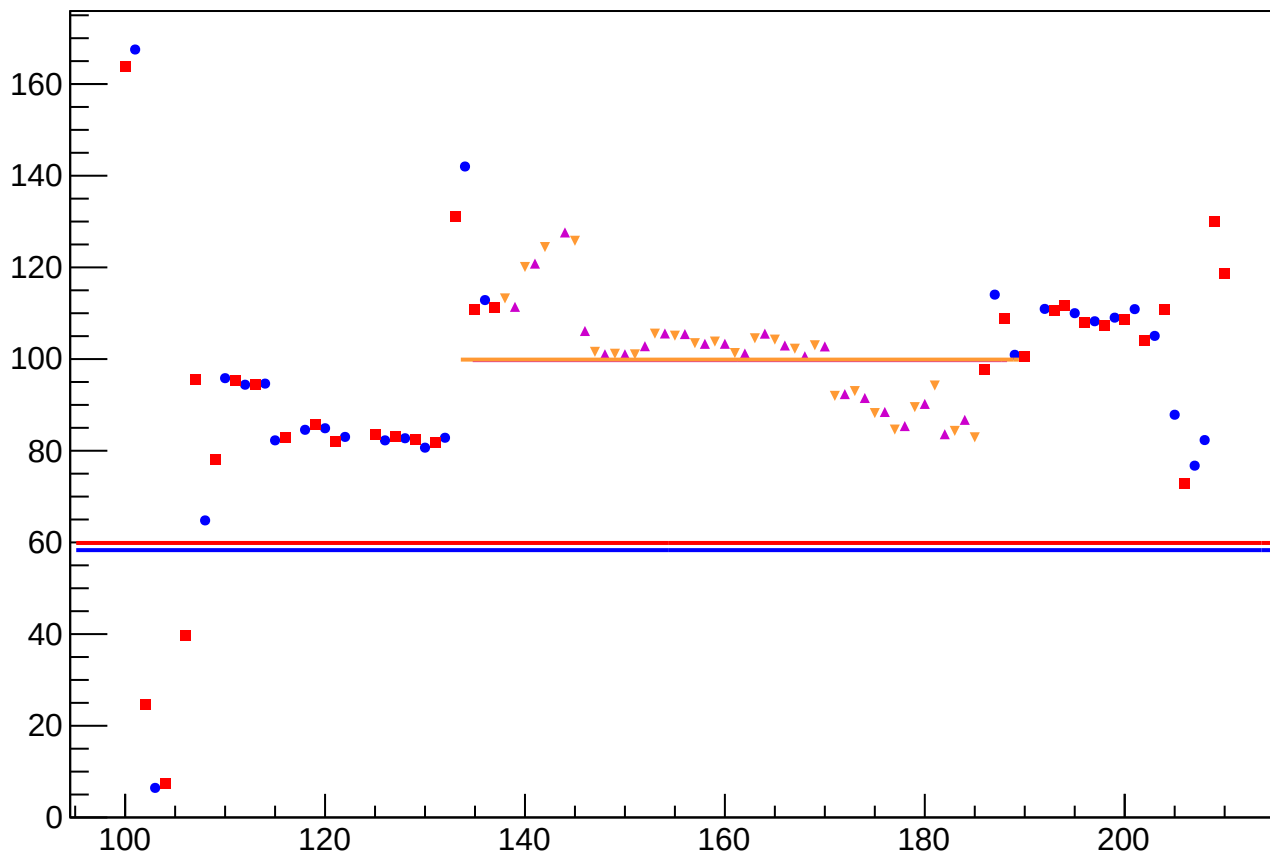
Left In: -43.207 ± 0.670 $\chi^2/\text{NDF}: 405.8/22$

+ sign -38.022 ± 0.530 $\chi^2/\text{NDF}: 1383.8/50$

All: -36.523 ± 0.370 $\chi^2/\text{NDF}: 2949.6/104$

- sign -35.097 ± 0.517 $\chi^2/\text{NDF}: 1550.2/53$

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 58.319+/-0.039 χ^2/NDF : 1501162.5/26

Left Out: 99.881+/-0.031 χ^2/NDF :123588.1/23

Right Out: 59.882+/-0.038 χ^2/NDF : 1345611.9/30

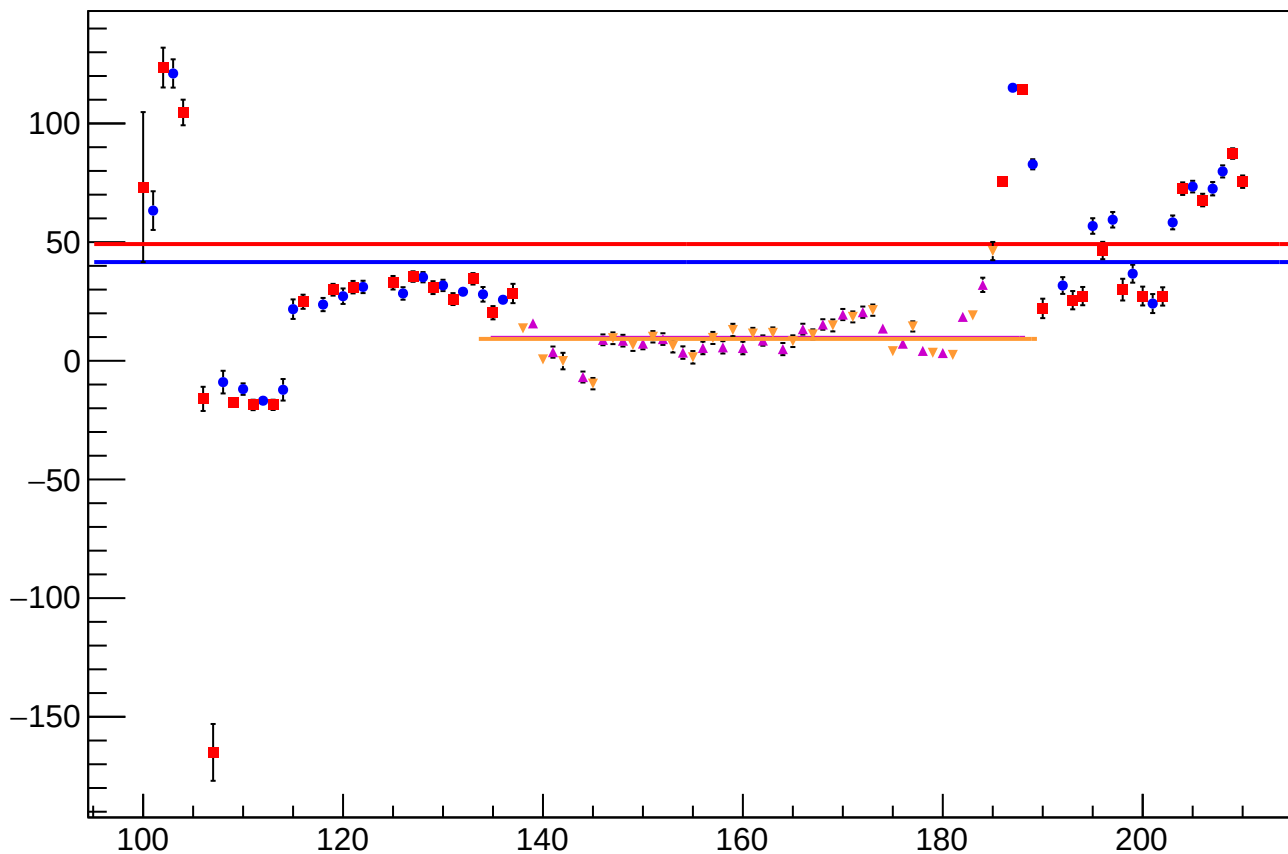
Left In: 99.769+/-0.031 χ^2/NDF :113501.0/22

+ sign 83.864+/-0.024 χ^2/NDF : 2327967.5/50

All: 84.051+/-0.017 χ^2/NDF : 4451094.2/104

- sign 84.233+/-0.024 χ^2/NDF : 2123008.8/53

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 41.598 $\pm$ 0.531 χ^2 /NDF: 4390.6/26

Left Out: 9.228 $\pm$ 0.456 χ^2 /NDF:327.5/23

Right Out: 49.184 $\pm$ 0.469 χ^2 /NDF: 8433.8/30

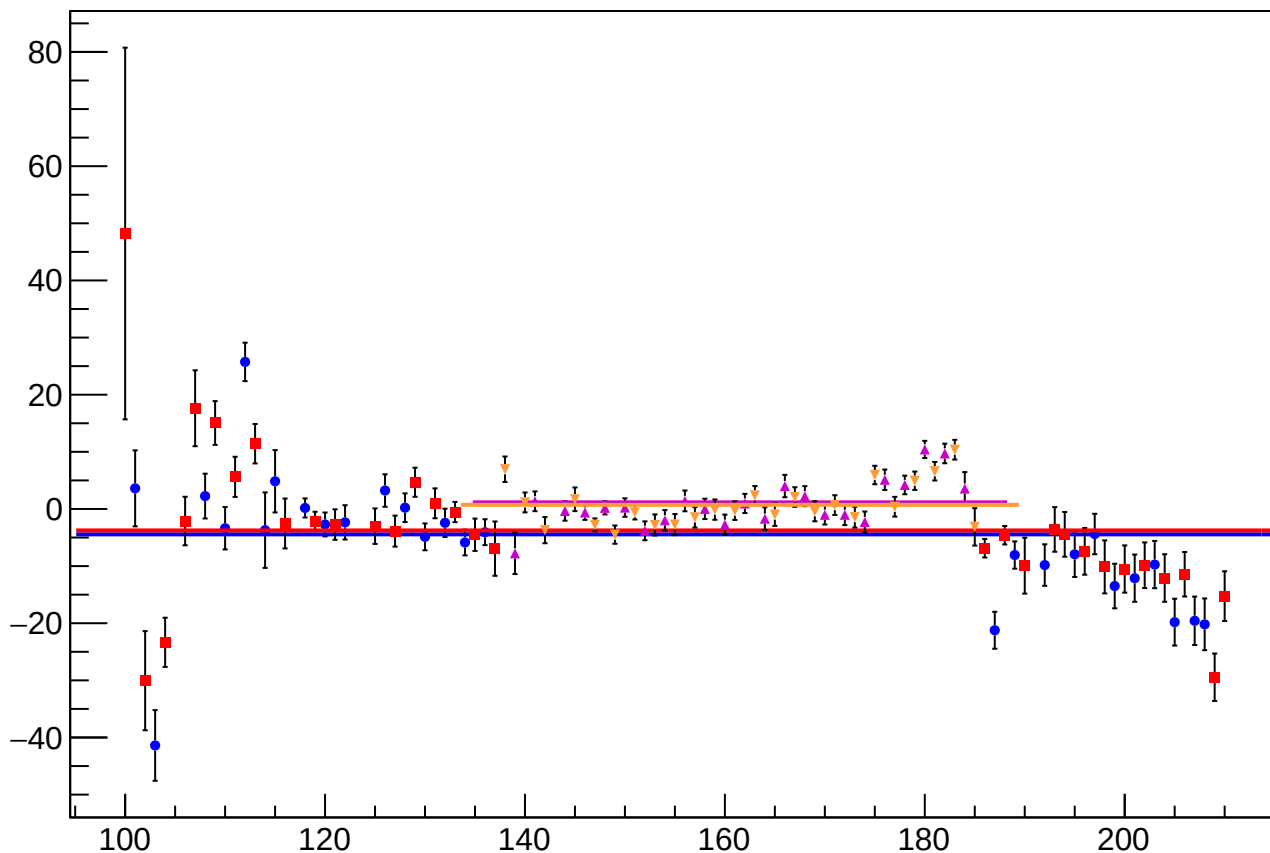
Left In: 9.676 $\pm$ 0.462 χ^2 /NDF:246.7/22

+ sign 22.995 $\pm$ 0.346 χ^2 /NDF: 6857.3/50

All: 26.217 $\pm$ 0.239 χ^2 /NDF: 19299.3/104

- sign 29.136 $\pm$ 0.329 χ^2 /NDF: 12276.8/53

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -4.446 ± 0.589 χ^2/NDF : 225.6/26

Left Out: 0.730 ± 0.350 χ^2/NDF : 109.7/23

Right Out: -3.756 ± 0.545 χ^2/NDF : 179.3/30

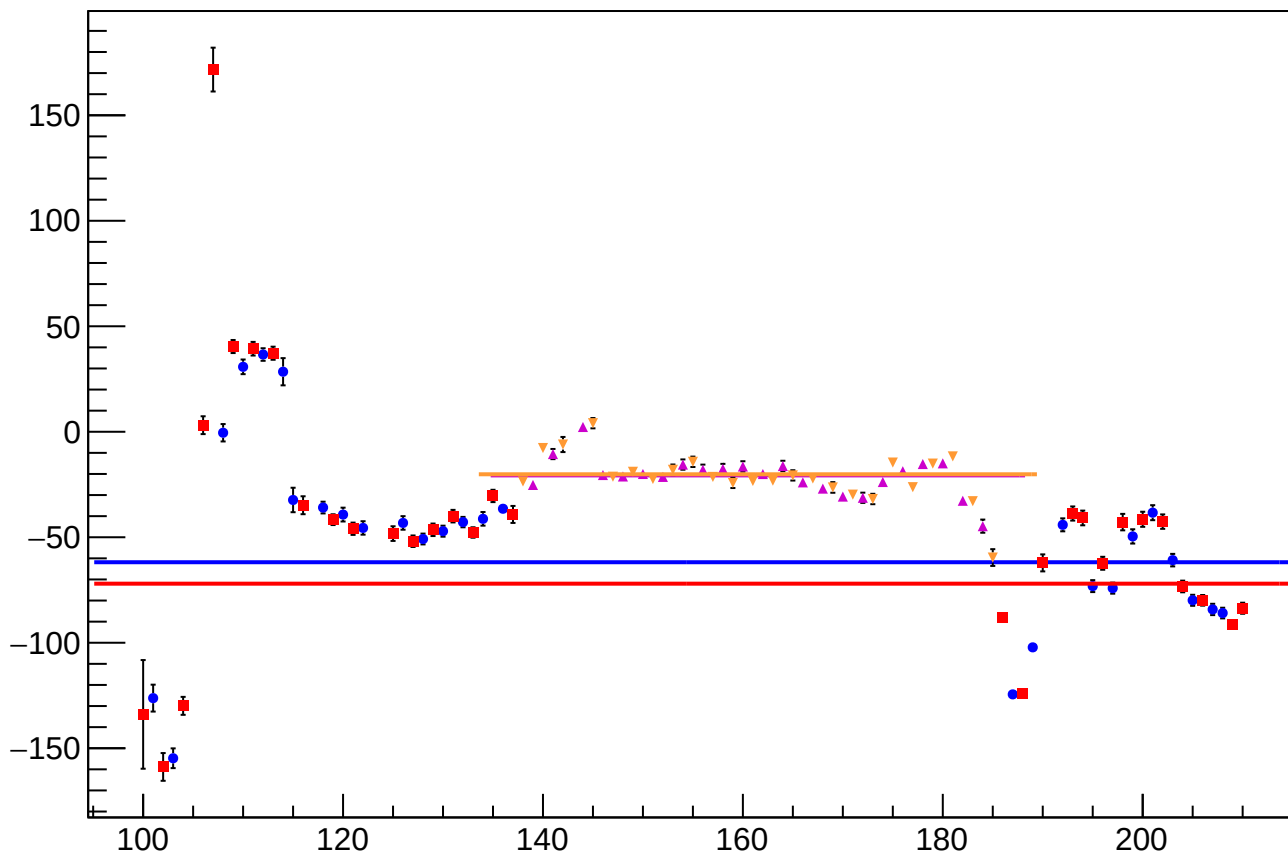
Left In: 1.156 ± 0.358 χ^2/NDF : 110.4/22

+ sign -0.618 ± 0.301 χ^2/NDF : 392.5/50

All: -0.469 ± 0.212 χ^2/NDF : 739.5/104

- sign -0.321 ± 0.299 χ^2/NDF : 346.5/53

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -61.838 ± 0.542 χ^2/NDF : 5582.5/26

Left Out: -20.151 ± 0.452 χ^2/NDF : 420.3/23

Right Out: -72.001 ± 0.456 χ^2/NDF : 9759.7/30

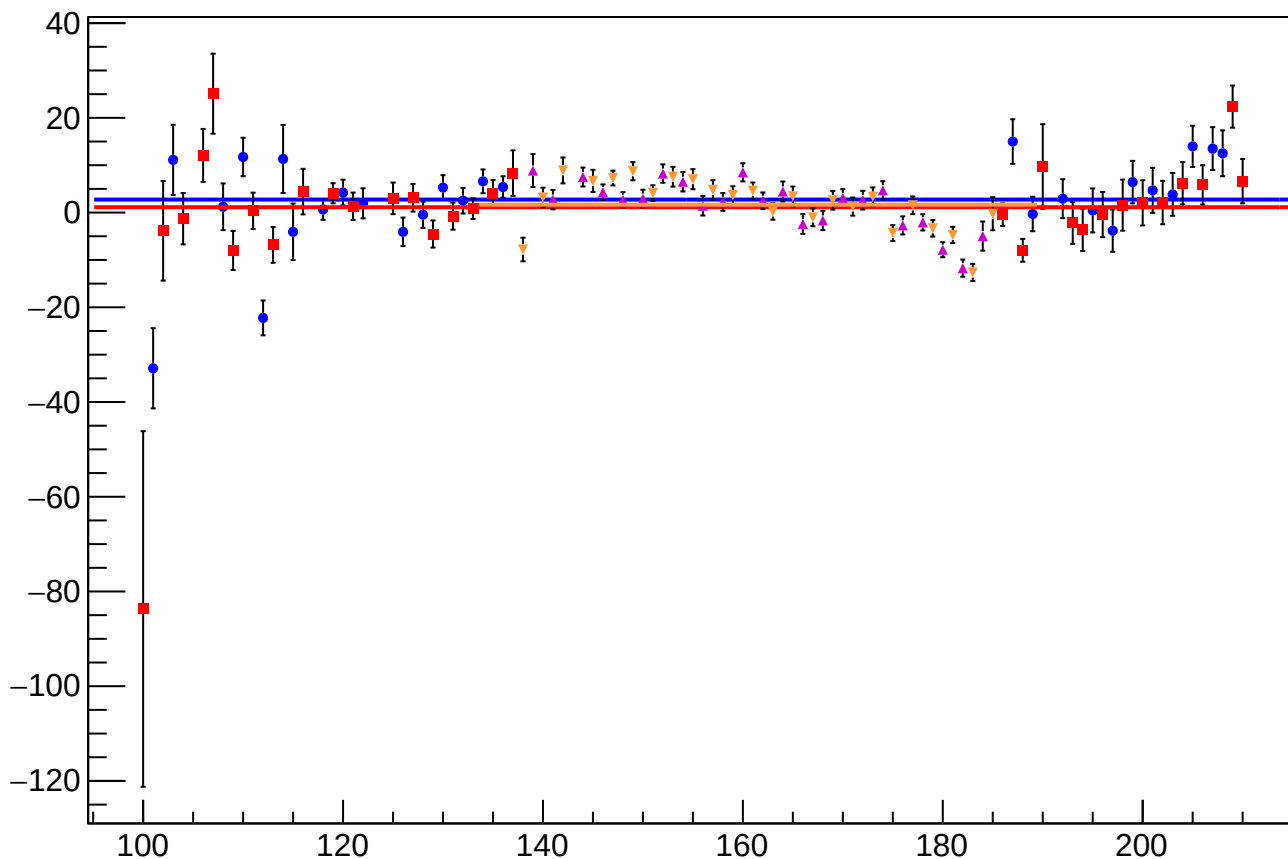
Left In: -20.683 ± 0.458 χ^2/NDF : 310.5/22

+ sign -37.281 ± 0.347 χ^2/NDF : 9491.4/50

All: -42.175 ± 0.237 χ^2/NDF : 26237.1/104

- sign -46.412 ± 0.323 χ^2/NDF : 16375.1/53

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 2.745 ± 0.684 χ^2/NDF : 112.4/26

Left Out: 1.671 ± 0.395 χ^2/NDF : 178.0/23

Right Out: 1.129 ± 0.654 χ^2/NDF : 81.8/30

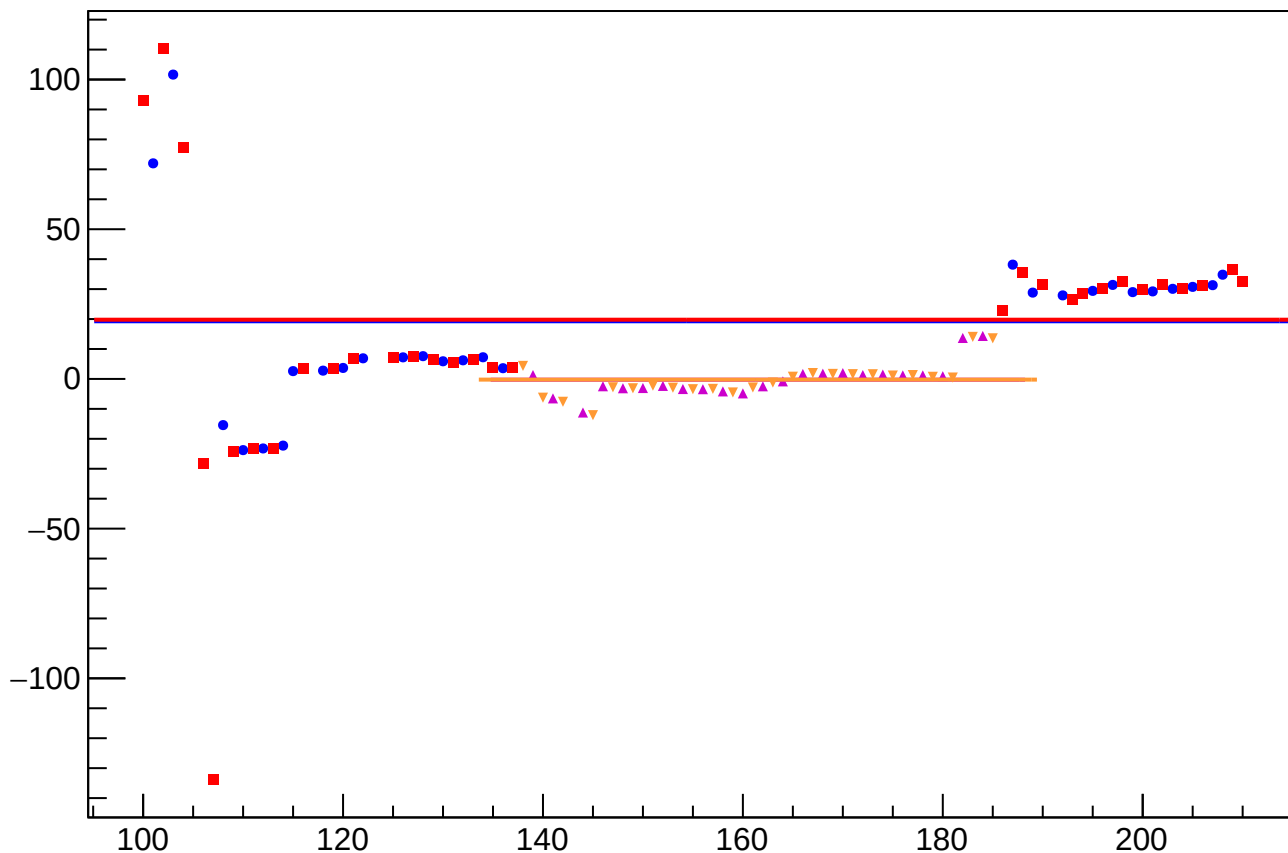
Left In: 1.428 ± 0.403 χ^2/NDF : 162.8/22

+ sign 1.939 ± 0.342 χ^2/NDF : 292.2/50

All: 1.643 ± 0.242 χ^2/NDF : 538.5/104

- sign 1.346 ± 0.343 χ^2/NDF : 244.7/53

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 19.257+/-0.034 χ^2/NDF : 420074.9/26

Left Out: -0.229+/-0.018 χ^2/NDF : 80976.2/23

Right Out: 19.780+/-0.033 χ^2/NDF : 599399.8/30

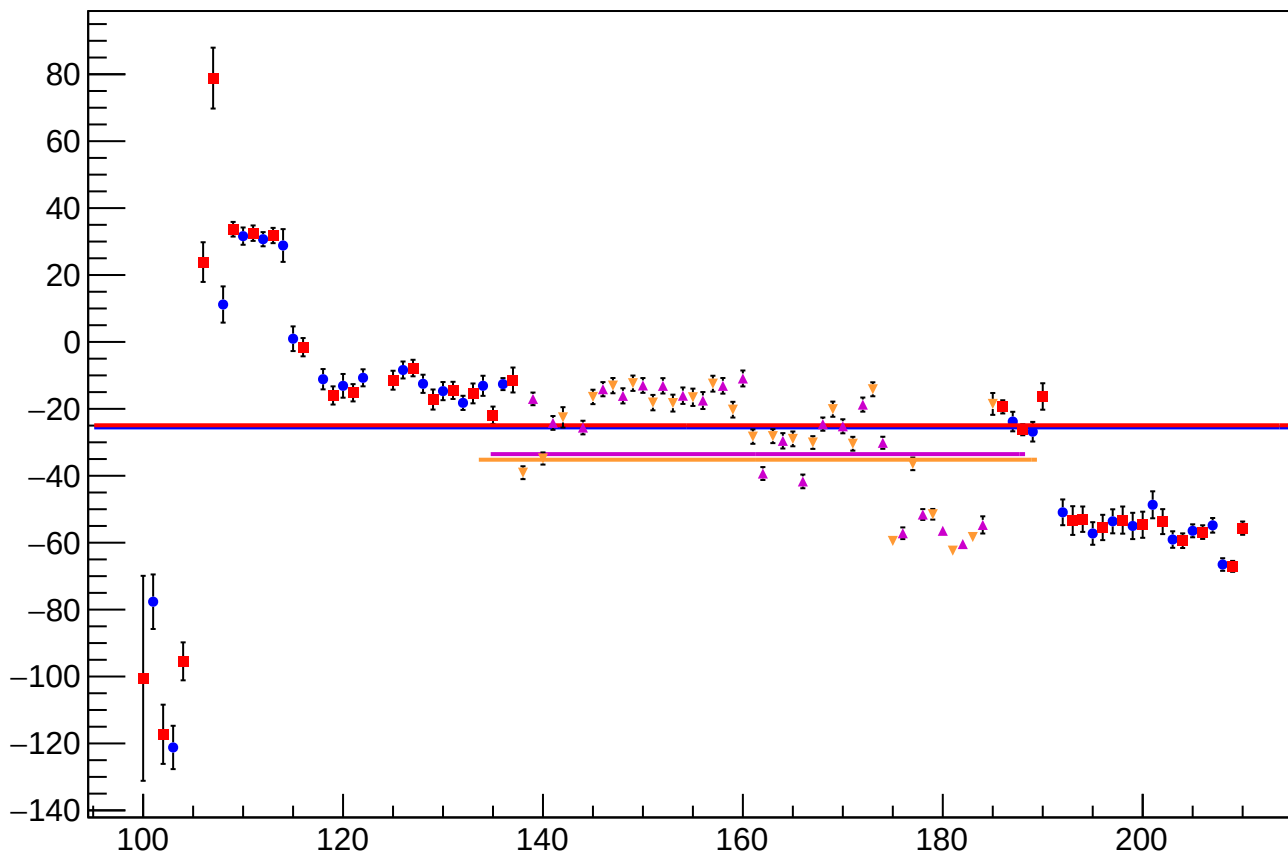
Left In: -0.270+/-0.018 χ^2/NDF : 72783.3/22

+ sign 3.893+/-0.016 χ^2/NDF : 759286.3/50

All: 4.028+/-0.011 χ^2/NDF : 1714077.3/104

- sign 4.163+/-0.016 χ^2/NDF : 954643.2/53

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -25.549 $\pm$ 0.535 χ^2/NDF : 3281.9/26

Left Out: -35.201 $\pm$ 0.408 χ^2/NDF :1850.7/23

Right Out: -24.908 $\pm$ 0.492 χ^2/NDF : 4376.0/30

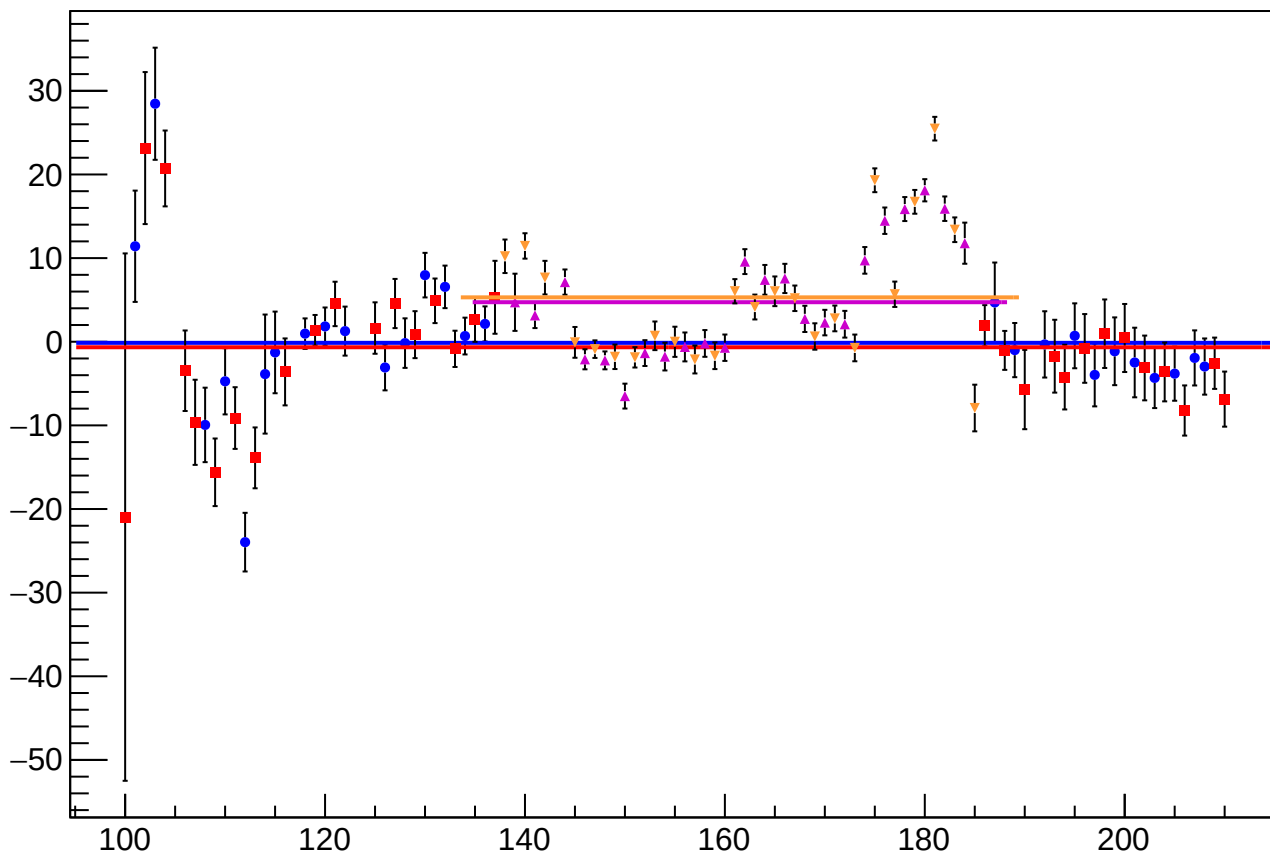
Left In: -33.528 $\pm$ 0.414 χ^2/NDF :1806.1/22

+ sign -31.654 $\pm$ 0.325 χ^2/NDF : 5338.1/50

All: -30.784 $\pm$ 0.227 χ^2/NDF : 11714.2/104

- sign -29.957 $\pm$ 0.317 χ^2/NDF : 6362.0/53

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.131 ± 0.608 $\chi^2/\text{NDF}: 100.1/26$

Left Out: 5.307 ± 0.315 $\chi^2/\text{NDF}: 624.4/23$

Right Out: -0.660 ± 0.587 $\chi^2/\text{NDF}: 97.3/30$

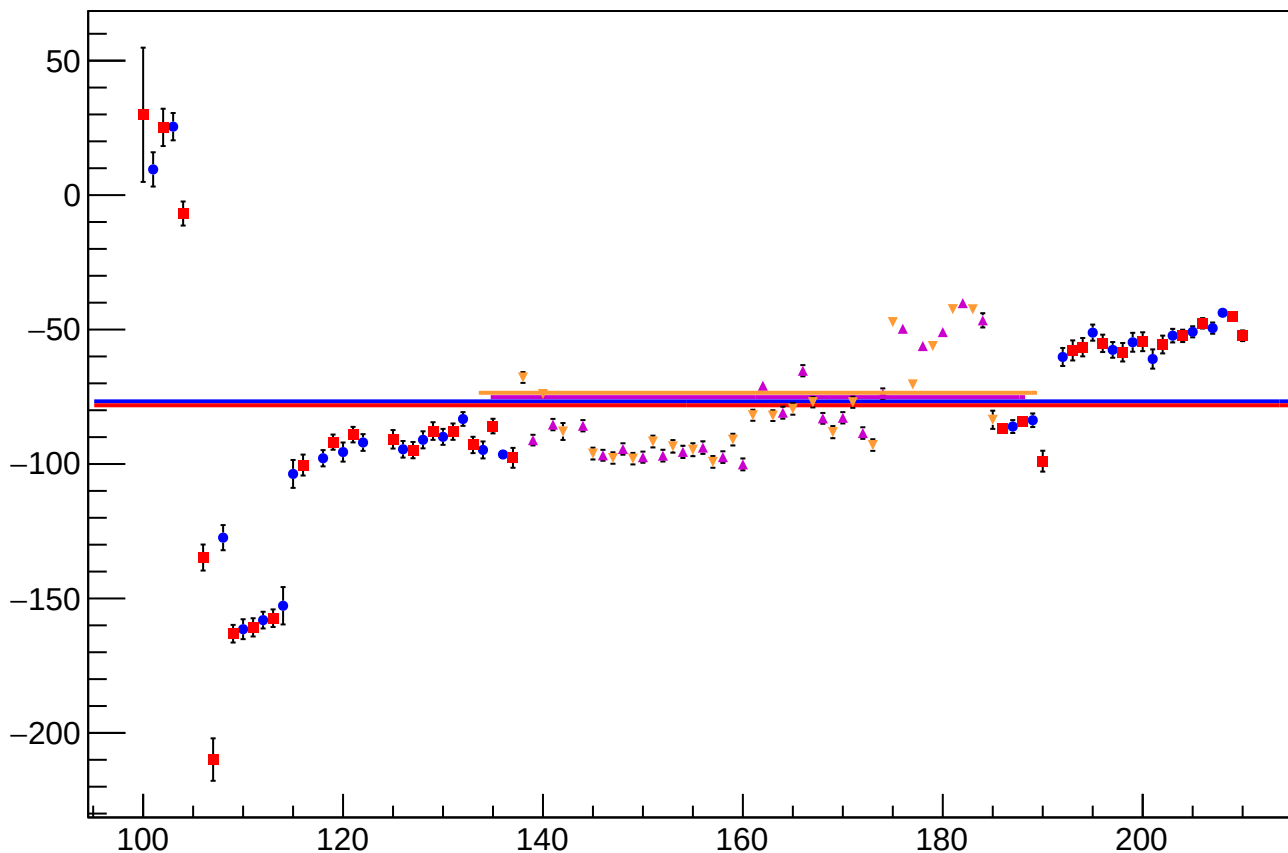
Left In: 4.727 ± 0.321 $\chi^2/\text{NDF}: 496.0/22$

+ sign 4.157 ± 0.280 $\chi^2/\text{NDF}: 787.5/50$

All: 3.823 ± 0.198 $\chi^2/\text{NDF}: 1448.5/104$

- sign 3.485 ± 0.282 $\chi^2/\text{NDF}: 658.1/53$

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -76.707 ± 0.556 χ^2/NDF : 3352.1/26

Left Out: -73.506 ± 0.405 χ^2/NDF : 2392.0/23

Right Out: -78.164 ± 0.498 χ^2/NDF : 4216.9/30

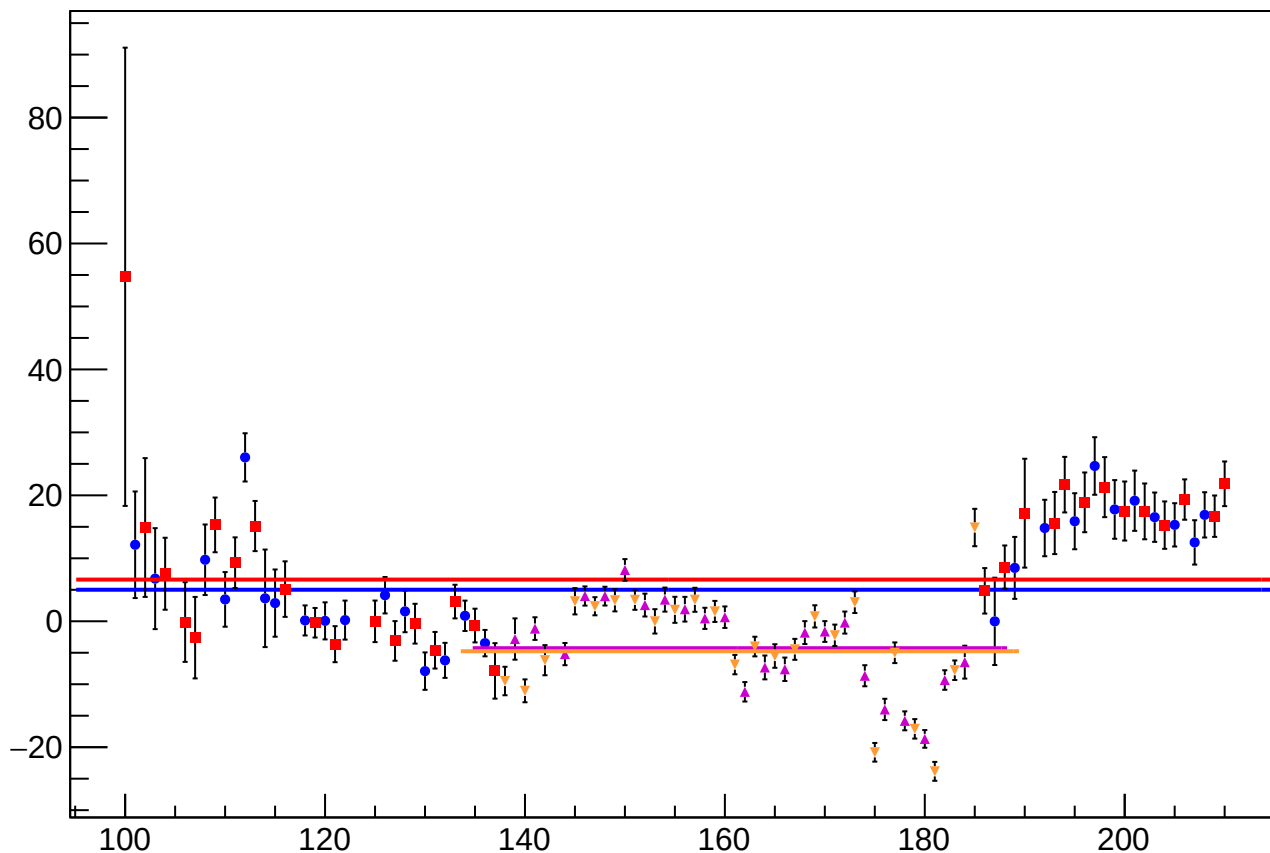
Left In: -75.133 ± 0.410 χ^2/NDF : 2361.9/22

+ sign -74.615 ± 0.328 χ^2/NDF : 5765.7/50

All: -75.517 ± 0.228 χ^2/NDF : 12381.2/104

- sign -76.358 ± 0.316 χ^2/NDF : 6600.9/53

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 5.009 ± 0.692 χ^2/NDF : 176.6/26

Left Out: -4.762 ± 0.355 χ^2/NDF : 576.9/23

Right Out: 6.621 ± 0.681 χ^2/NDF : 182.8/30

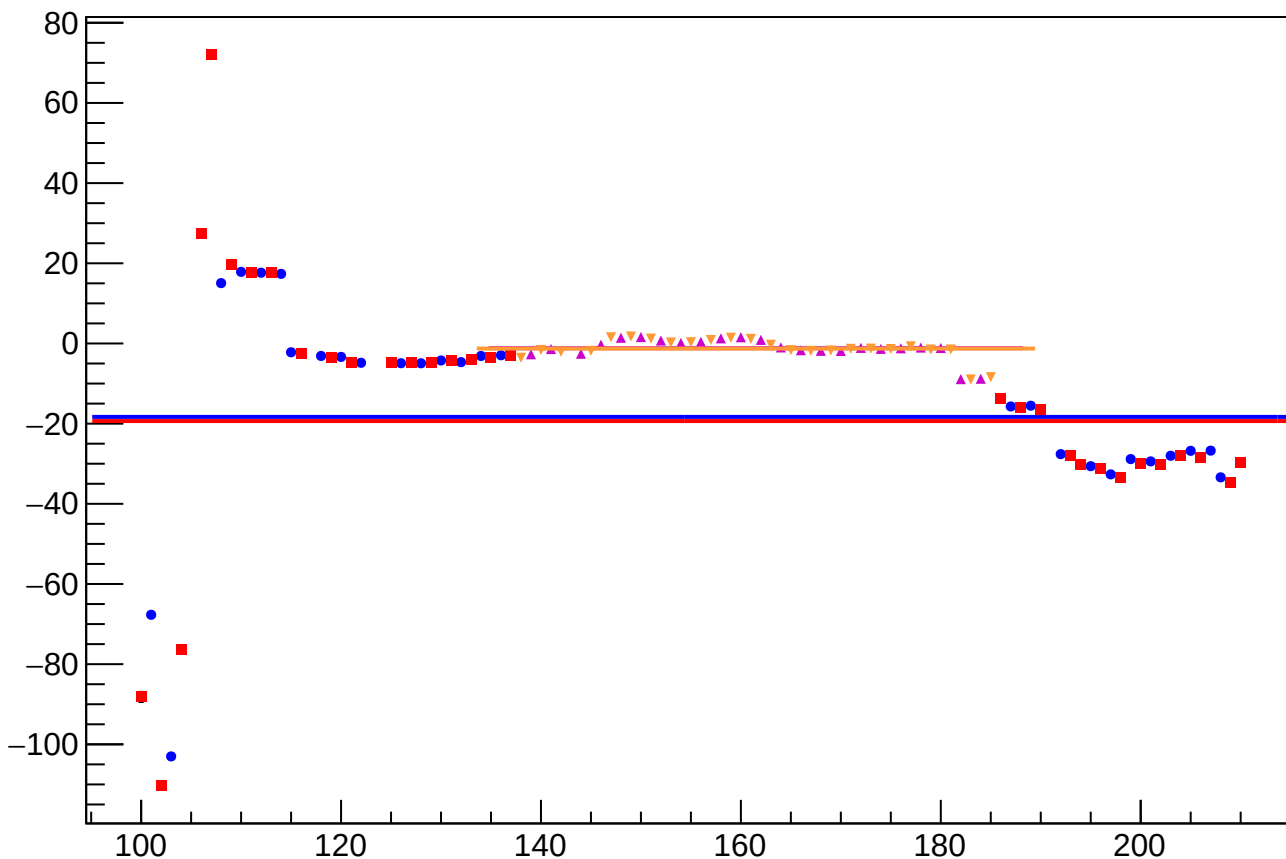
Left In: -4.278 ± 0.361 χ^2/NDF : 424.1/22

+ sign -2.727 ± 0.316 χ^2/NDF : 911.5/50

All: -2.312 ± 0.224 χ^2/NDF : 1721.8/104

- sign -1.889 ± 0.319 χ^2/NDF : 806.8/53

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -18.315 $\pm$ 0.033 χ^2 /NDF: 377062.4/26

Left Out: -1.267 $\pm$ 0.016 χ^2 /NDF: 25091.1/23

Right Out: -19.358 $\pm$ 0.033 χ^2 /NDF: 477913.8/30

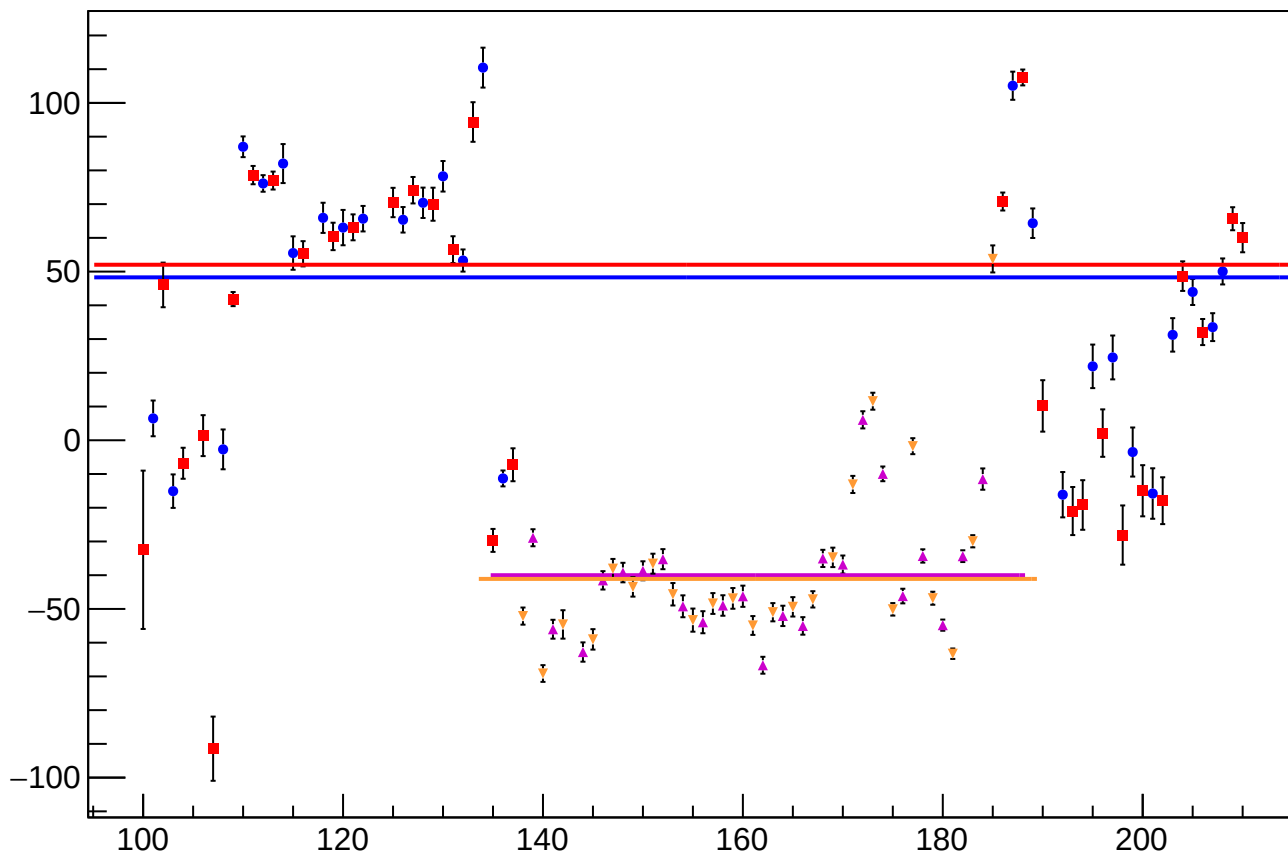
Left In: -1.180 $\pm$ 0.016 χ^2 /NDF: 24754.1/22

+ sign -4.421 $\pm$ 0.014 χ^2 /NDF: 615774.2/50

All: -4.525 $\pm$ 0.010 χ^2 /NDF: 1364941.1/104

- sign -4.630 $\pm$ 0.014 χ^2 /NDF: 749060.1/53

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 48.290 ± 0.810 χ^2/NDF : 1979.7/26

Left Out: -41.097 ± 0.517 χ^2/NDF : 1948.2/23

Right Out: 52.031 ± 0.725 χ^2/NDF : 2732.3/30

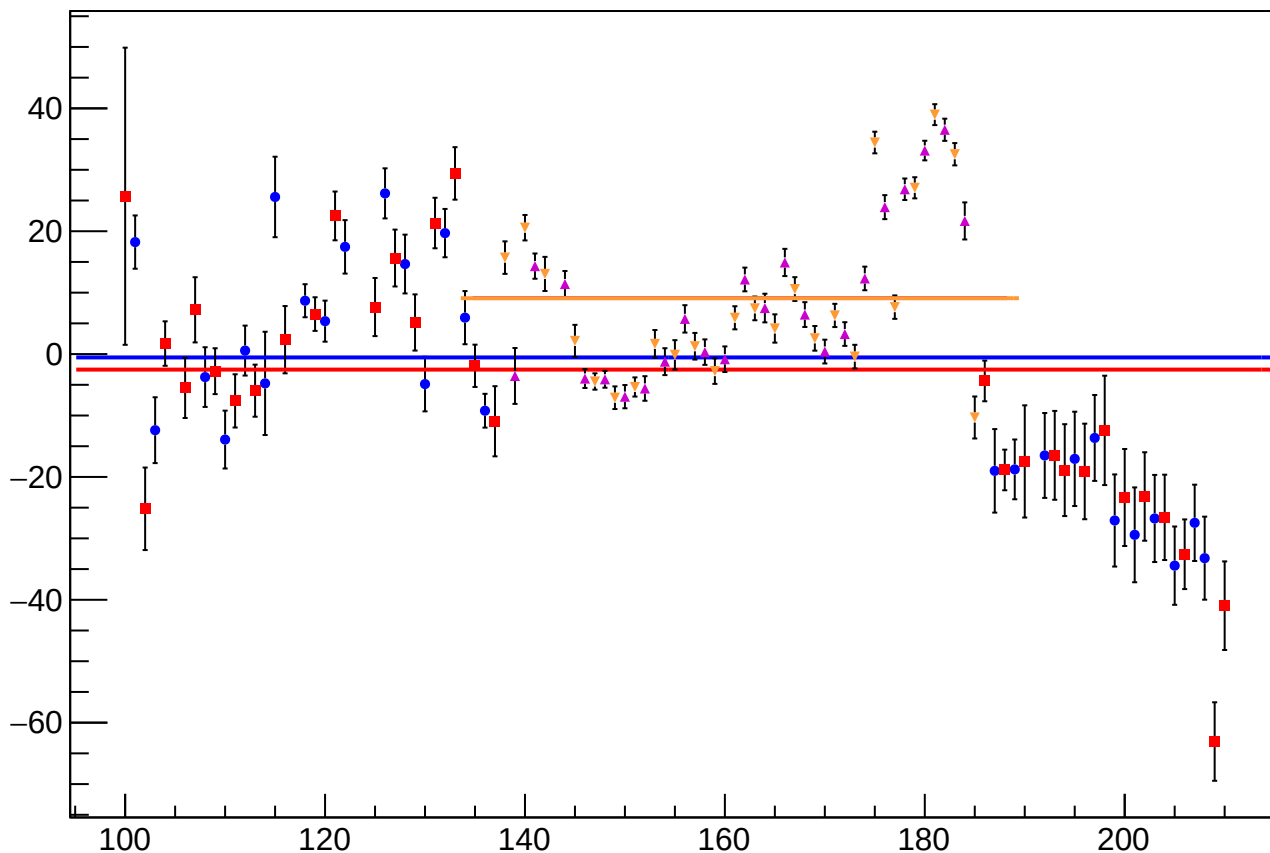
Left In: -40.000 ± 0.524 χ^2/NDF : 1031.8/22

+ sign -15.214 ± 0.436 χ^2/NDF : 12571.6/50

All: -11.716 ± 0.304 χ^2/NDF : 27042.7/104

- sign -8.396 ± 0.425 χ^2/NDF : 14345.6/53

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -0.545 ± 0.910 χ^2/NDF : 318.5/26

Left Out: 9.094 ± 0.401 χ^2/NDF : 1253.7/23

Right Out: -2.526 ± 0.861 χ^2/NDF : 401.1/30

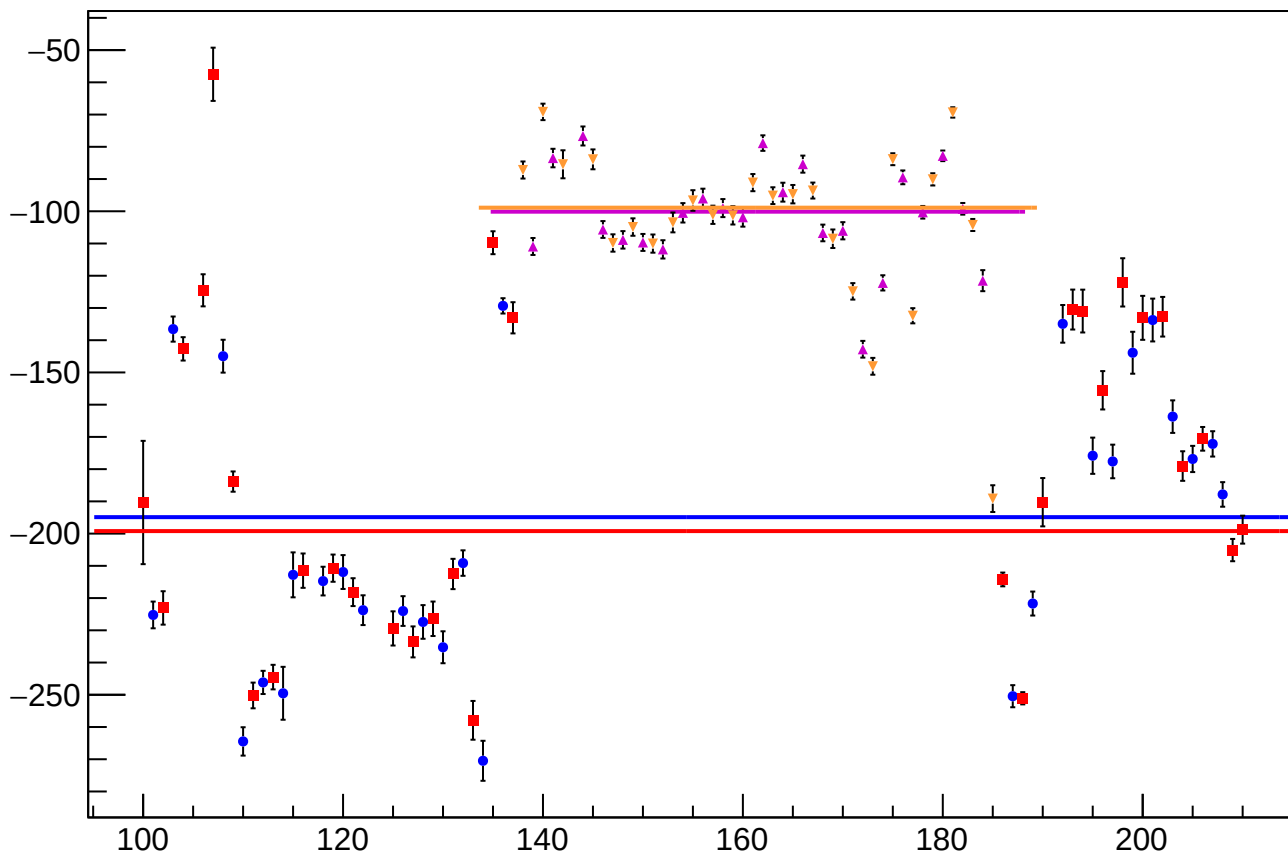
Left In: 9.121 ± 0.409 χ^2/NDF : 1051.8/22

+ sign 7.525 ± 0.367 χ^2/NDF : 1666.2/50

All: 7.253 ± 0.260 χ^2/NDF : 3269.4/104

- sign 6.978 ± 0.369 χ^2/NDF : 1602.1/53

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -194.892 ± 0.849 χ^2/NDF : 2697.6/26

Left Out: -98.883 ± 0.514 χ^2/NDF : 1824.5/23

Right Out: -199.218 ± 0.751 χ^2/NDF : 3660.6/30

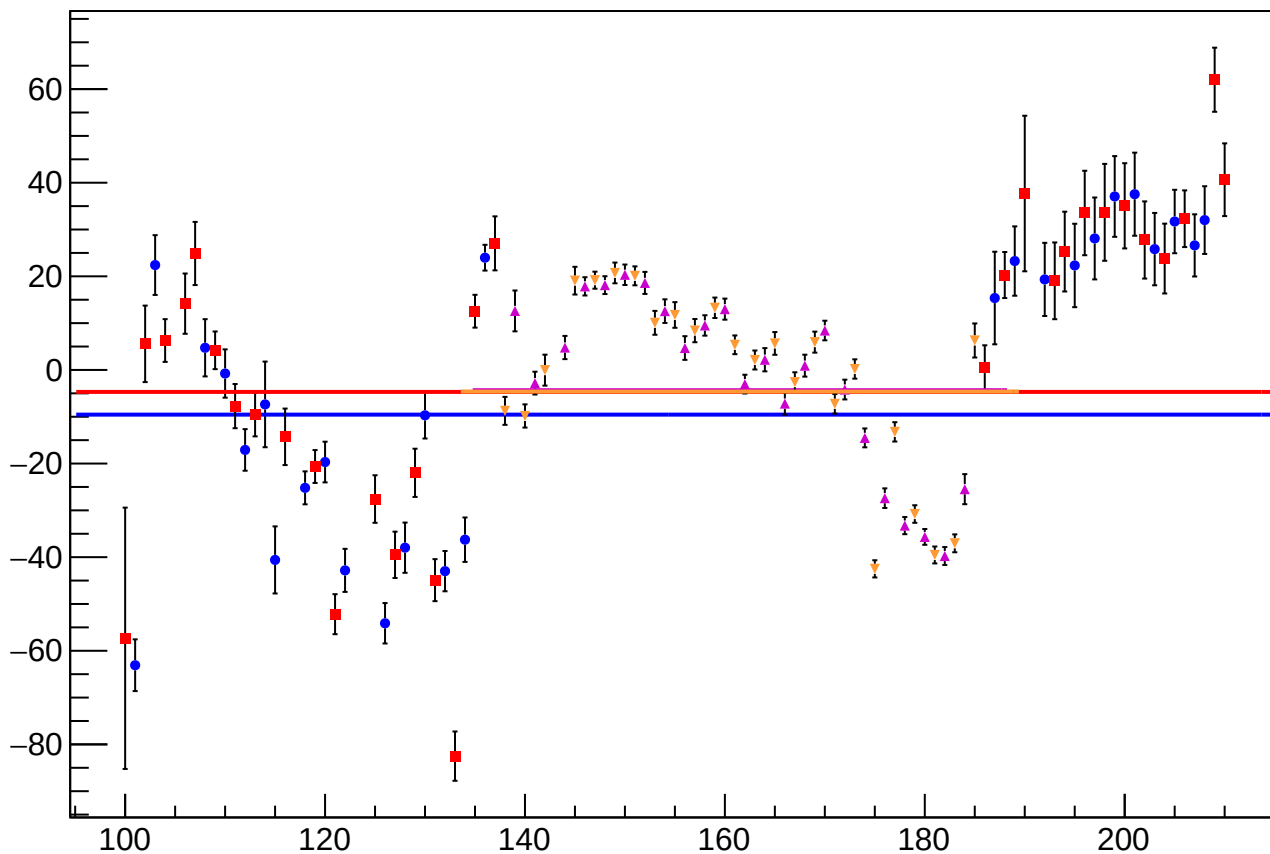
Left In: -100.127 ± 0.520 χ^2/NDF : 823.2/22

+ sign -124.638 ± 0.440 χ^2/NDF : 13876.2/50

All: -128.557 ± 0.307 χ^2/NDF : 30286.6/104

- sign -132.260 ± 0.428 χ^2/NDF : 16255.9/53

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -9.547 ± 1.042 χ^2/NDF : 850.5/26

Left Out: -4.618 ± 0.451 χ^2/NDF : 2078.3/23

Right Out: -4.696 ± 1.006 χ^2/NDF : 926.7/30

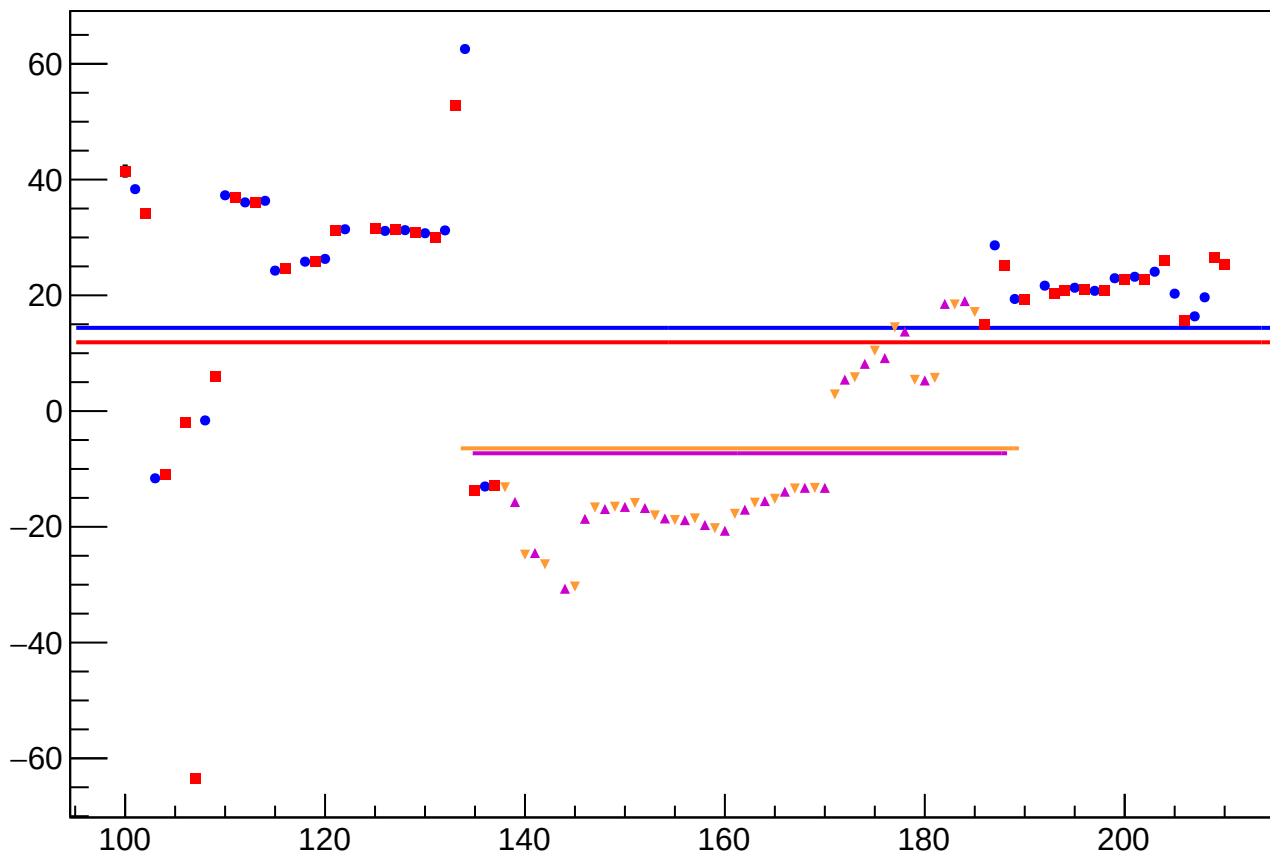
Left In: -4.328 ± 0.459 χ^2/NDF : 1854.2/22

+ sign -5.396 ± 0.414 χ^2/NDF : 2947.6/50

All: -4.898 ± 0.294 χ^2/NDF : 5731.6/104

- sign -4.392 ± 0.417 χ^2/NDF : 2781.0/53

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 14.380 $\pm$ 0.051 χ^2 /NDF: 175468.7/26

Left Out: -6.437 $\pm$ 0.020 χ^2 /NDF: 496714.6/23

Right Out: 11.886 $\pm$ 0.049 χ^2 /NDF: 181602.2/30

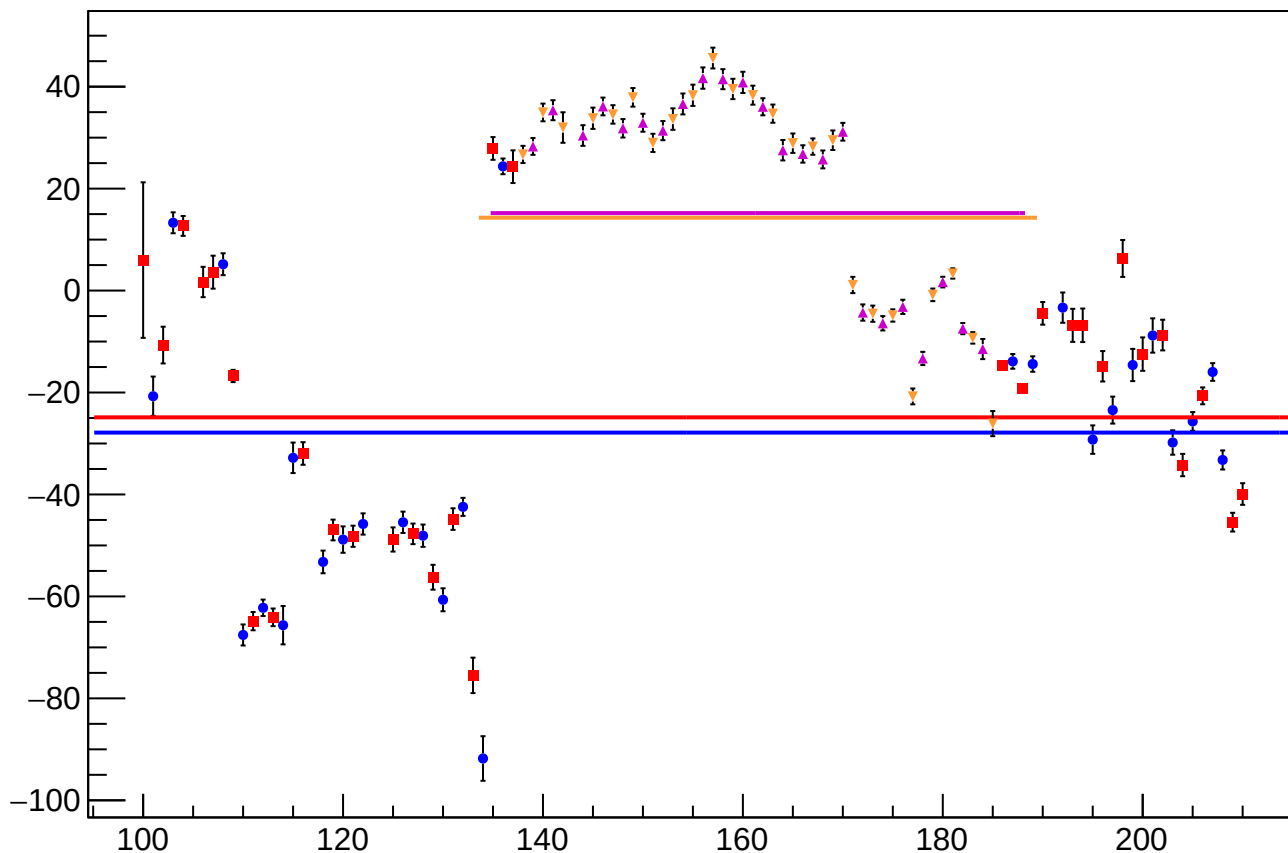
Left In: -7.292 $\pm$ 0.020 χ^2 /NDF: 488261.5/22

+ sign -3.588 $\pm$ 0.019 χ^2 /NDF: 817628.8/50

All: -4.059 $\pm$ 0.013 χ^2 /NDF: 1617271.1/104

- sign -4.530 $\pm$ 0.019 χ^2 /NDF: 798383.2/53

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -27.861 $\pm$ 0.411 χ^2 /NDF: 3989.3/26

Left Out: 14.295 $\pm$ 0.335 χ^2 /NDF:3726.3/23

Right Out: -24.874 $\pm$ 0.350 χ^2 /NDF: 3987.5/30

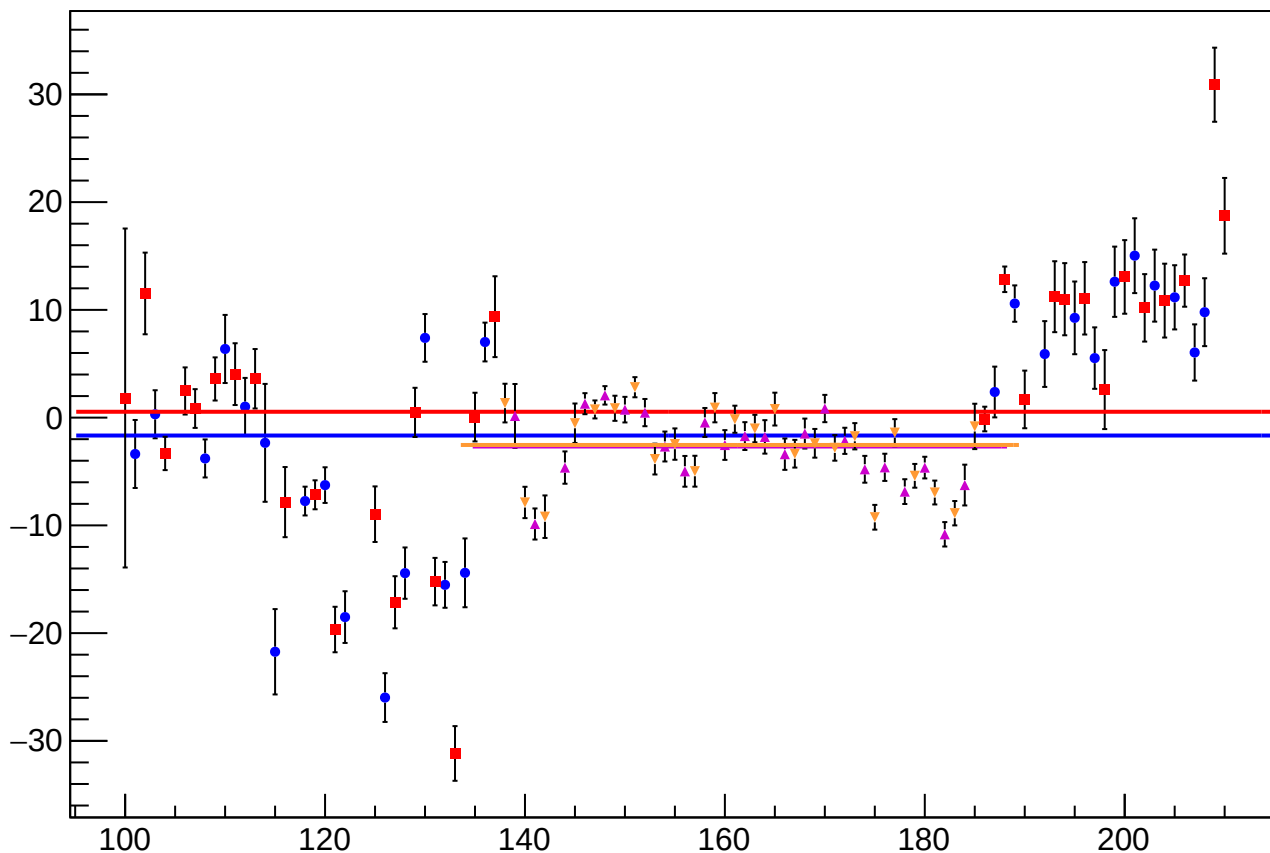
Left In: 15.194 $\pm$ 0.339 χ^2 /NDF:3406.6/22

+ sign -2.526 $\pm$ 0.260 χ^2 /NDF: 14026.5/50

All: -3.438 $\pm$ 0.178 χ^2 /NDF: 28202.8/104

- sign -4.240 $\pm$ 0.244 χ^2 /NDF: 14153.1/53

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -1.661 $\pm$ 0.459 χ^2/NDF : 534.7/26

Left Out: -2.538 $\pm$ 0.259 χ^2/NDF :198.4/23

Right Out: 0.544 $\pm$ 0.405 χ^2/NDF : 732.1/30

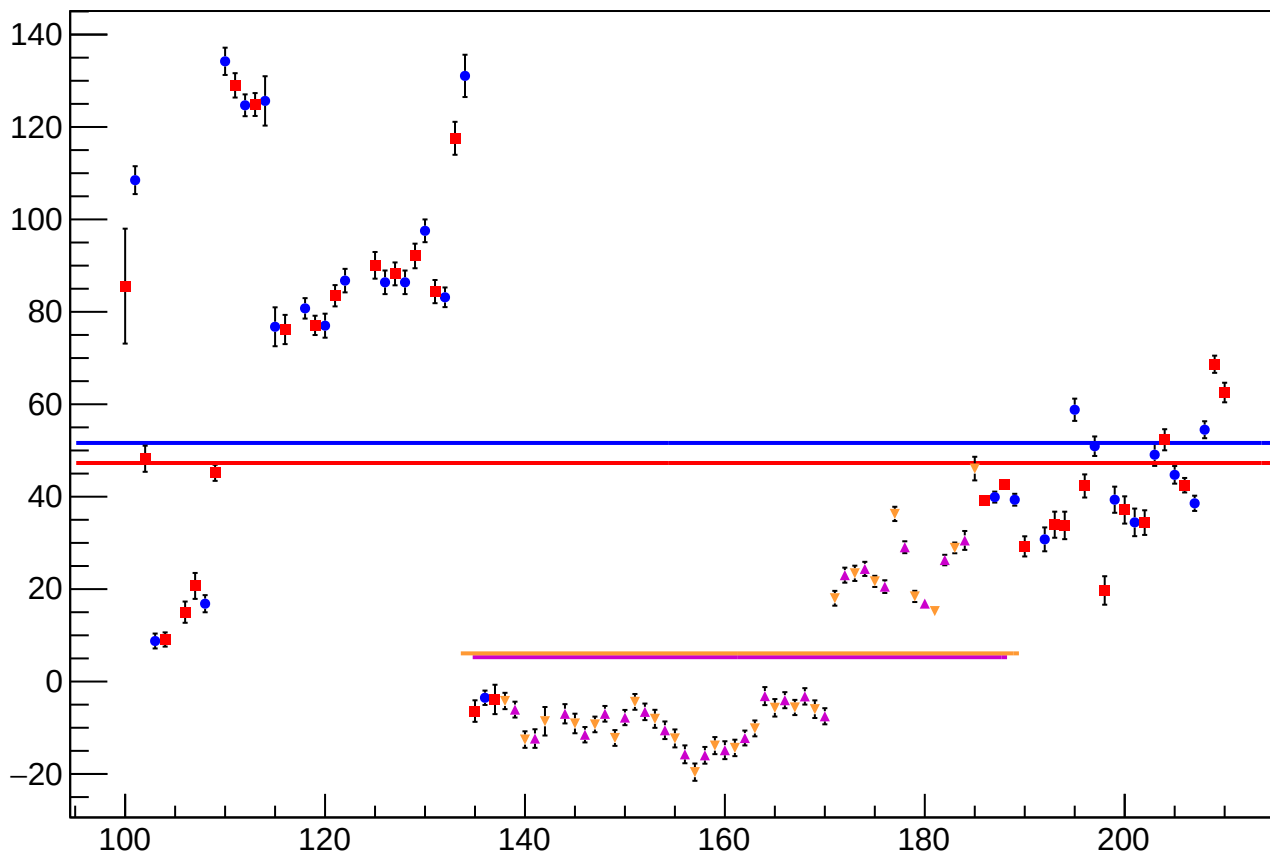
Left In: -2.681 $\pm$ 0.265 χ^2/NDF :182.0/22

+ sign -2.326 $\pm$ 0.226 χ^2/NDF : 735.8/50

All: -2.015 $\pm$ 0.158 χ^2/NDF : 1698.1/104

- sign -1.715 $\pm$ 0.222 χ^2/NDF : 958.6/53

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 51.629 $\pm$ 0.407 χ^2 /NDF: 6730.7/26

Left Out: 6.095 $\pm$ 0.333 χ^2 /NDF: 2773.9/23

Right Out: 47.290 $\pm$ 0.333 χ^2 /NDF: 6153.3/30

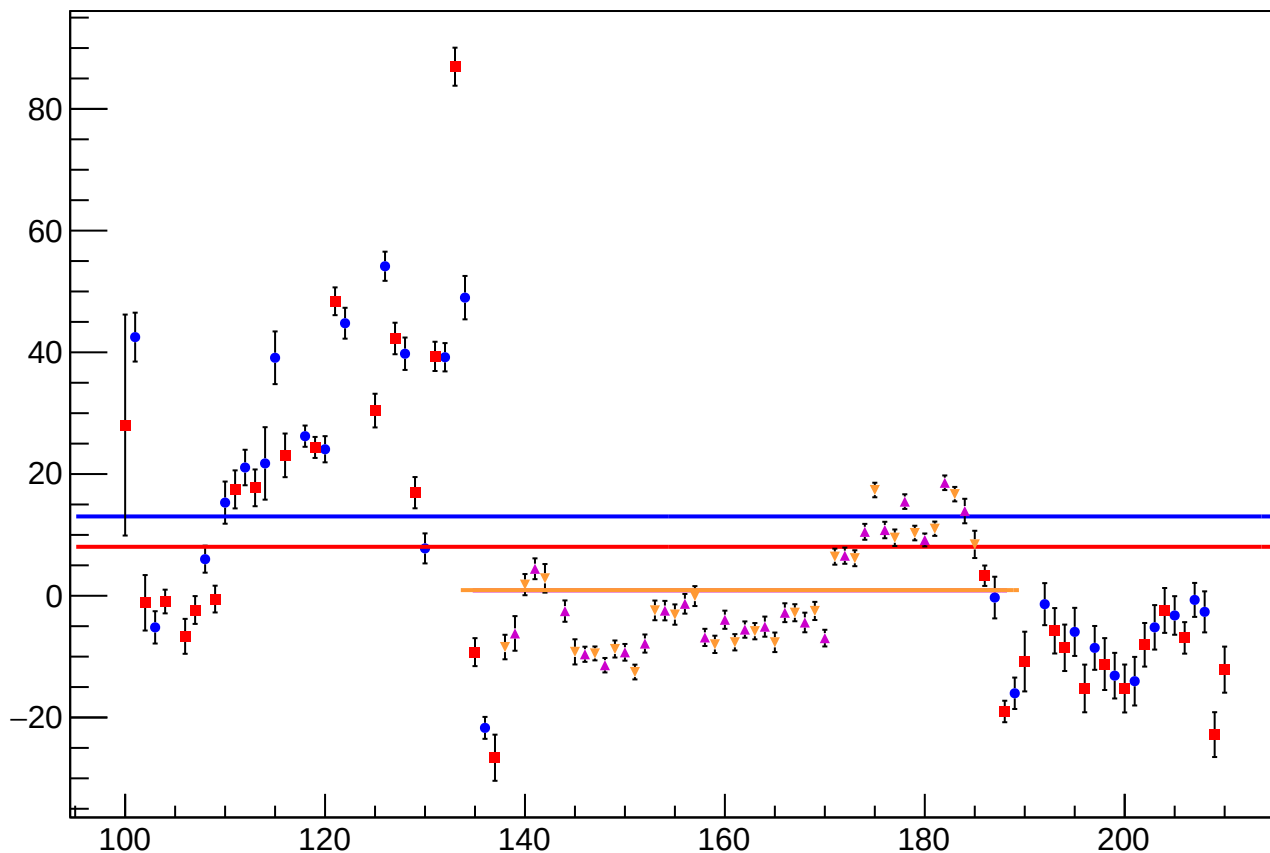
Left In: 5.269 $\pm$ 0.337 χ^2 /NDF: 2451.2/22

+ sign 24.360 $\pm$ 0.258 χ^2 /NDF: 17010.8/50

All: 25.504 $\pm$ 0.174 χ^2 /NDF: 33518.6/104

- sign 26.472 $\pm$ 0.237 χ^2 /NDF: 16471.4/53

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 13.034 $\pm$ 0.540 χ^2 /NDF: 1807.6/26

Left Out: 0.929 $\pm$ 0.292 χ^2 /NDF: 1041.7/23

Right Out: 8.045 $\pm$ 0.494 χ^2 /NDF: 2267.5/30

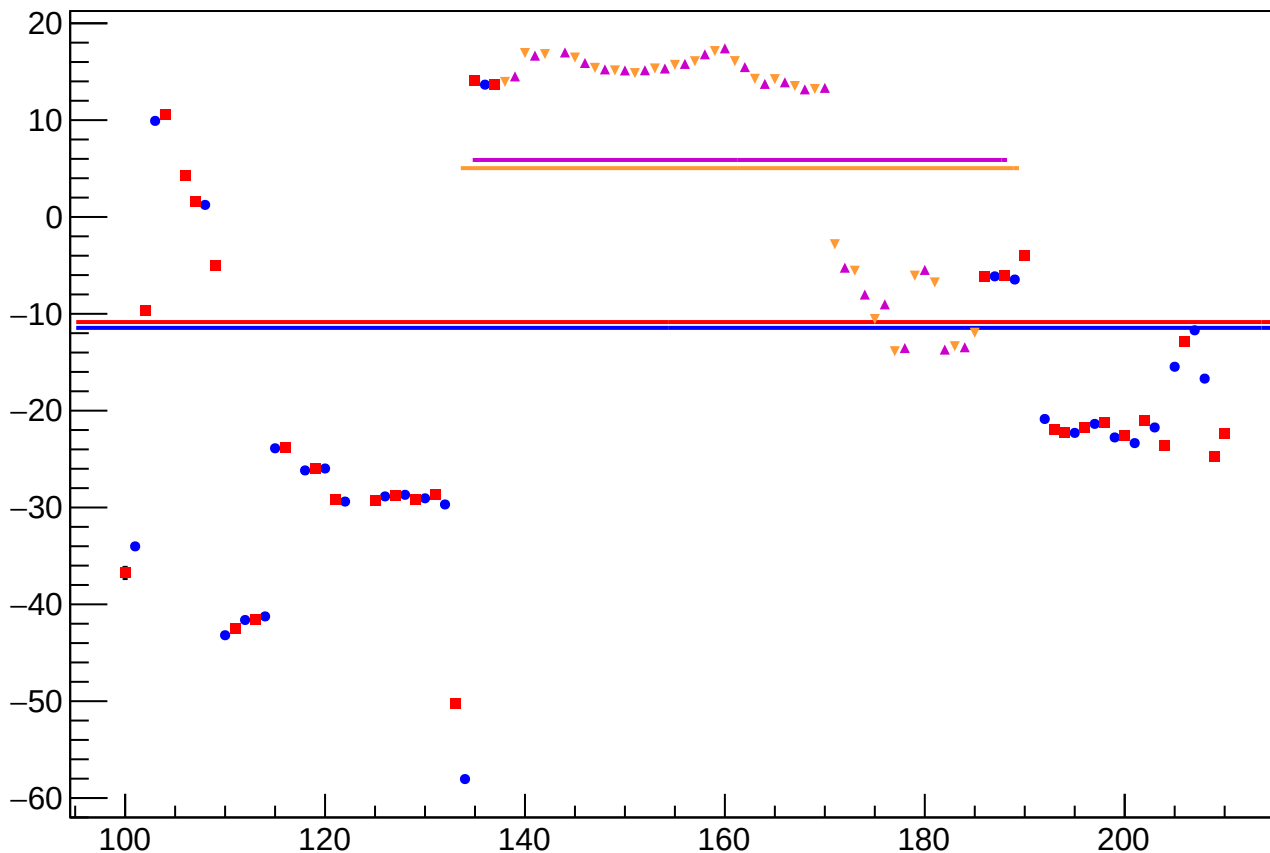
Left In: 0.878 $\pm$ 0.297 χ^2 /NDF: 1006.0/22

+ sign 3.662 $\pm$ 0.257 χ^2 /NDF: 3237.8/50

All: 3.220 $\pm$ 0.181 χ^2 /NDF: 6672.0/104

- sign 2.786 $\pm$ 0.255 χ^2 /NDF: 3428.3/53

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -11.451 ± 0.025 χ^2/NDF : 489444.3/26

Left Out: 5.042 ± 0.013 χ^2/NDF : 855564.2/23

Right Out: -10.851 ± 0.024 χ^2/NDF : 418854.6/30

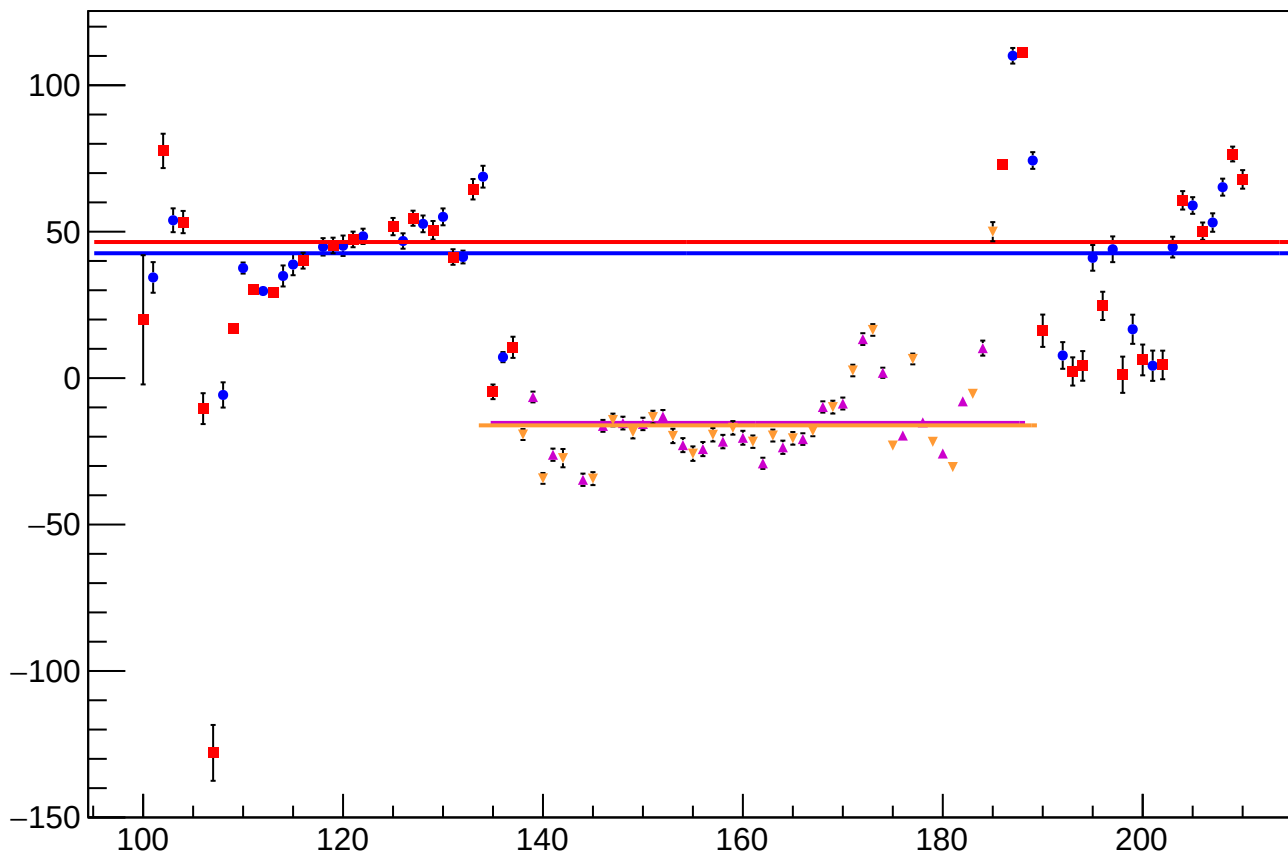
Left In: 5.886 ± 0.013 χ^2/NDF : 846355.0/22

+ sign 1.449 ± 0.012 χ^2/NDF : 1692381.0/50

All: 1.700 ± 0.008 χ^2/NDF : 3339845.5/104

- sign 1.948 ± 0.011 χ^2/NDF : 1646525.3/53

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 42.632 ± 0.556 χ^2/NDF : 1730.6/26

Left Out: -16.132 ± 0.398 χ^2/NDF : 1364.9/23

Right Out: 46.468 ± 0.498 χ^2/NDF : 4293.3/30

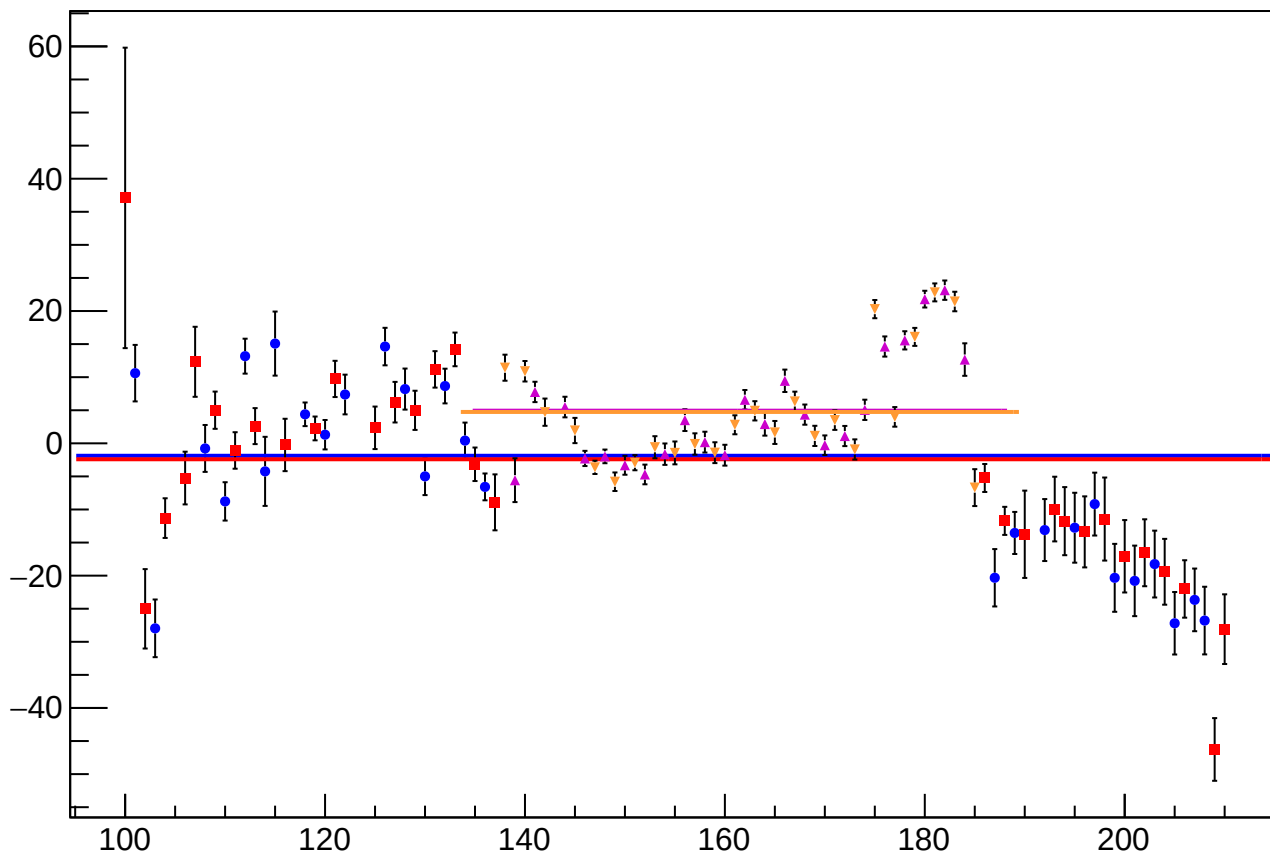
Left In: -15.295 ± 0.403 χ^2/NDF : 760.9/22

+ sign 3.778 ± 0.324 χ^2/NDF : 10485.3/50

All: 6.542 ± 0.225 χ^2/NDF : 24962.2/104

- sign 9.136 ± 0.313 χ^2/NDF : 14335.4/53

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -1.881 ± 0.626 $\chi^2/\text{NDF}: 340.5/26$

Left Out: 4.745 ± 0.307 $\chi^2/\text{NDF}: 793.8/23$

Right Out: -2.409 ± 0.597 $\chi^2/\text{NDF}: 349.8/30$

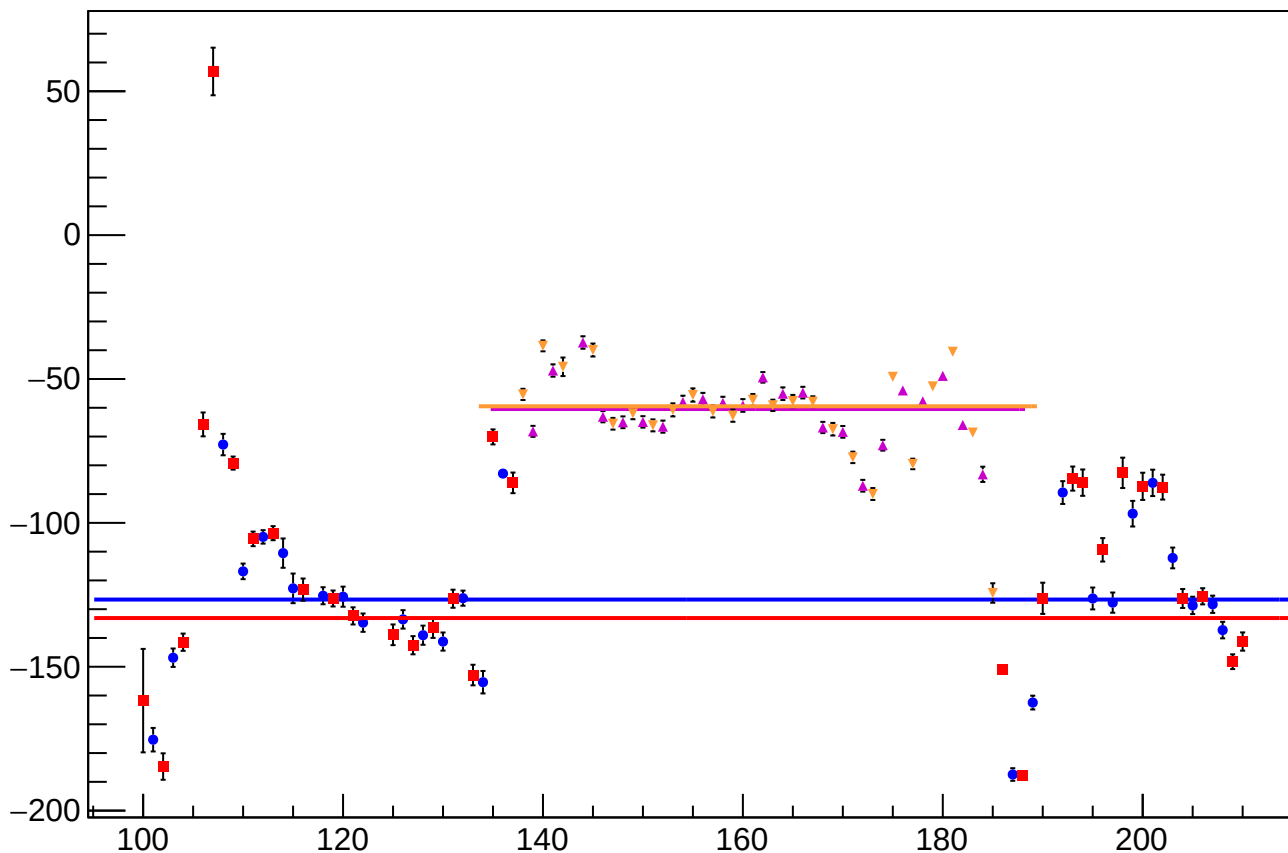
Left In: 4.935 ± 0.313 $\chi^2/\text{NDF}: 688.4/22$

+ sign 3.464 ± 0.275 $\chi^2/\text{NDF}: 1224.5/50$

All: 3.408 ± 0.195 $\chi^2/\text{NDF}: 2381.5/104$

- sign 3.350 ± 0.277 $\chi^2/\text{NDF}: 1156.9/53$

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -126.650 ± 0.591 χ^2/NDF : 2463.3/26

Left Out: -59.480 ± 0.395 χ^2/NDF : 1372.3/23

Right Out: -133.077 ± 0.517 χ^2/NDF : 5369.7/30

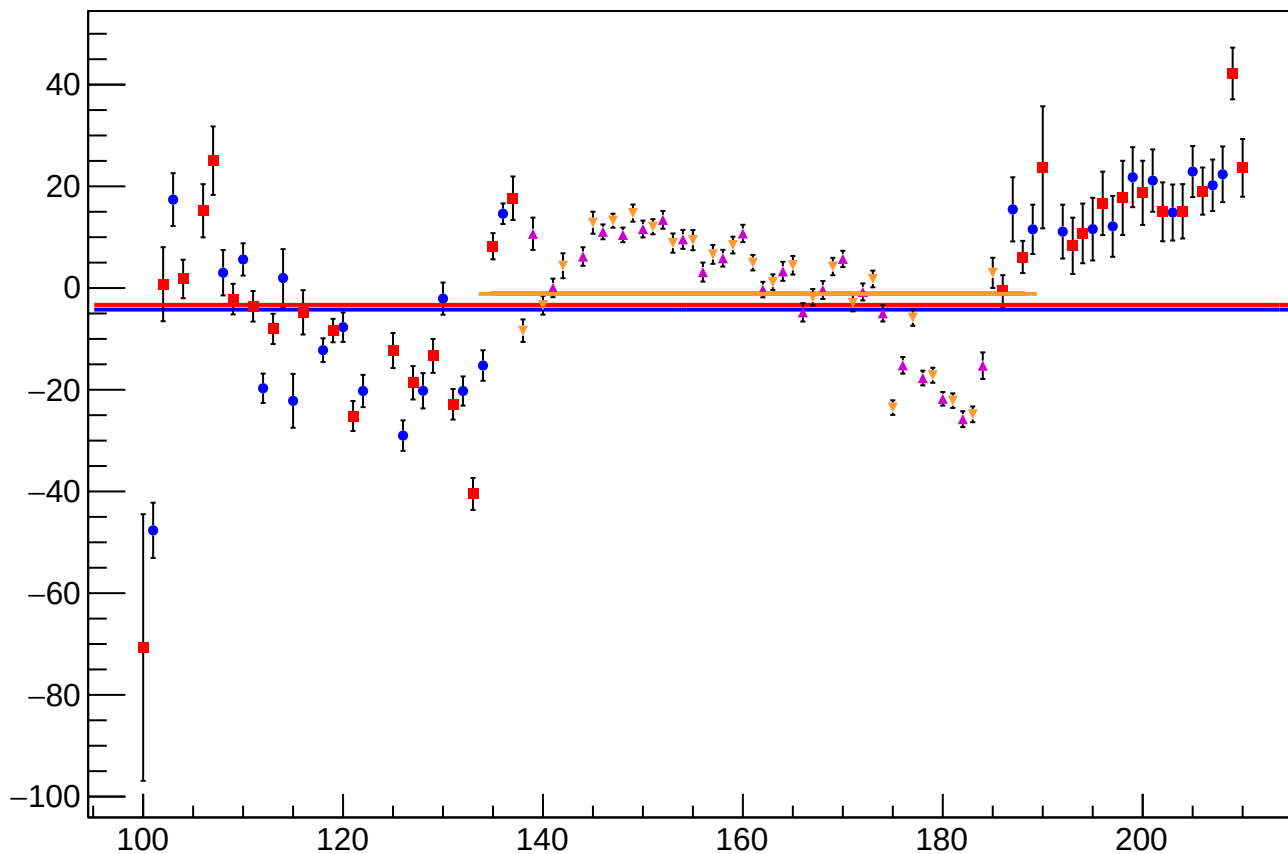
Left In: -60.435 ± 0.400 χ^2/NDF : 668.3/22

+ sign -80.200 ± 0.328 χ^2/NDF : 12759.1/50

All: -84.023 ± 0.228 χ^2/NDF : 31407.1/104

- sign -87.568 ± 0.316 χ^2/NDF : 18386.9/53

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -4.237 ± 0.718 χ^2/NDF : 561.8/26

Left Out: -1.144 ± 0.346 χ^2/NDF : 1303.0/23

Right Out: -3.303 ± 0.699 χ^2/NDF : 569.5/30

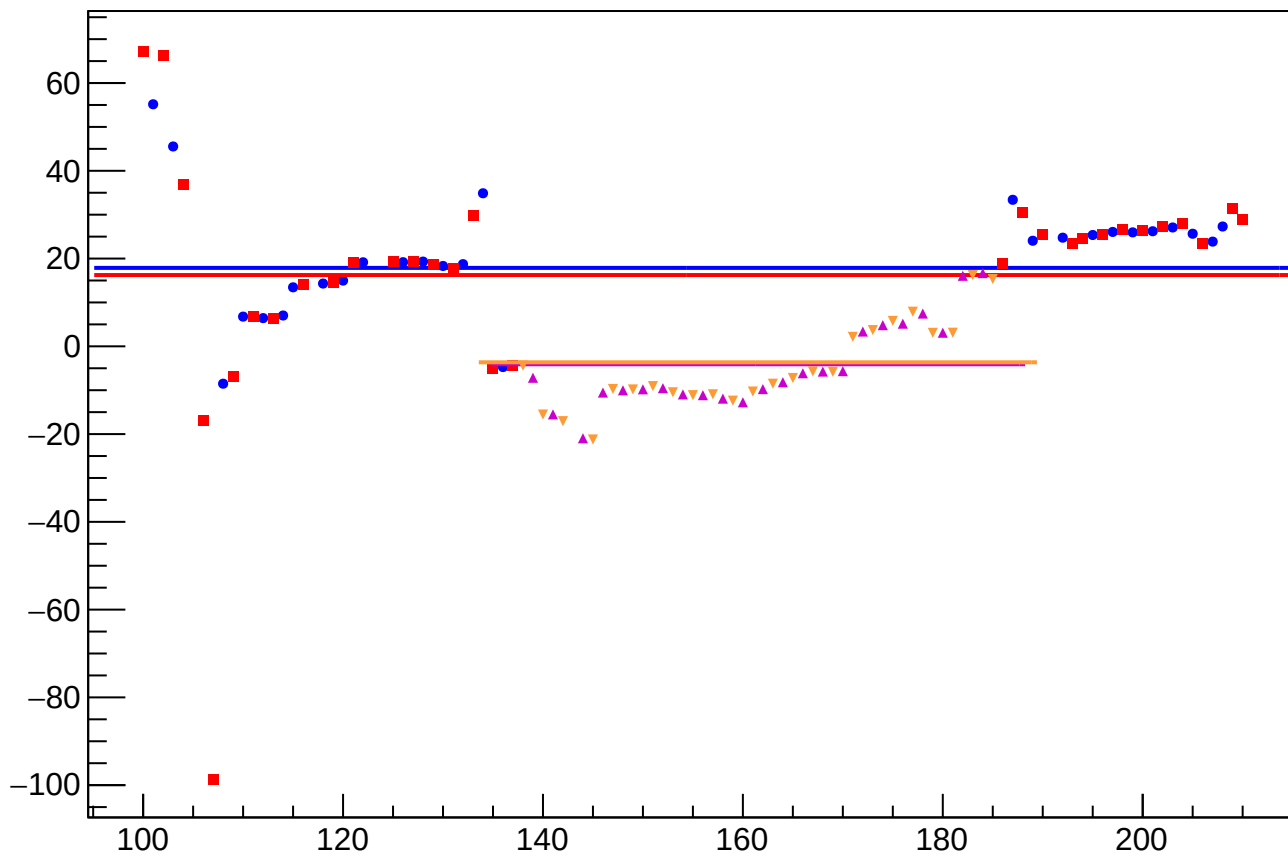
Left In: -1.082 ± 0.352 χ^2/NDF : 1157.4/22

+ sign -1.725 ± 0.311 χ^2/NDF : 1879.8/50

All: -1.629 ± 0.221 χ^2/NDF : 3614.9/104

- sign -1.531 ± 0.314 χ^2/NDF : 1734.9/53

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 17.877 $\pm$ 0.036 χ^2 /NDF: 211514.2/26

Left Out: -3.639 $\pm$ 0.015 χ^2 /NDF: 345861.2/23

Right Out: 16.243 $\pm$ 0.036 χ^2 /NDF: 349993.1/30

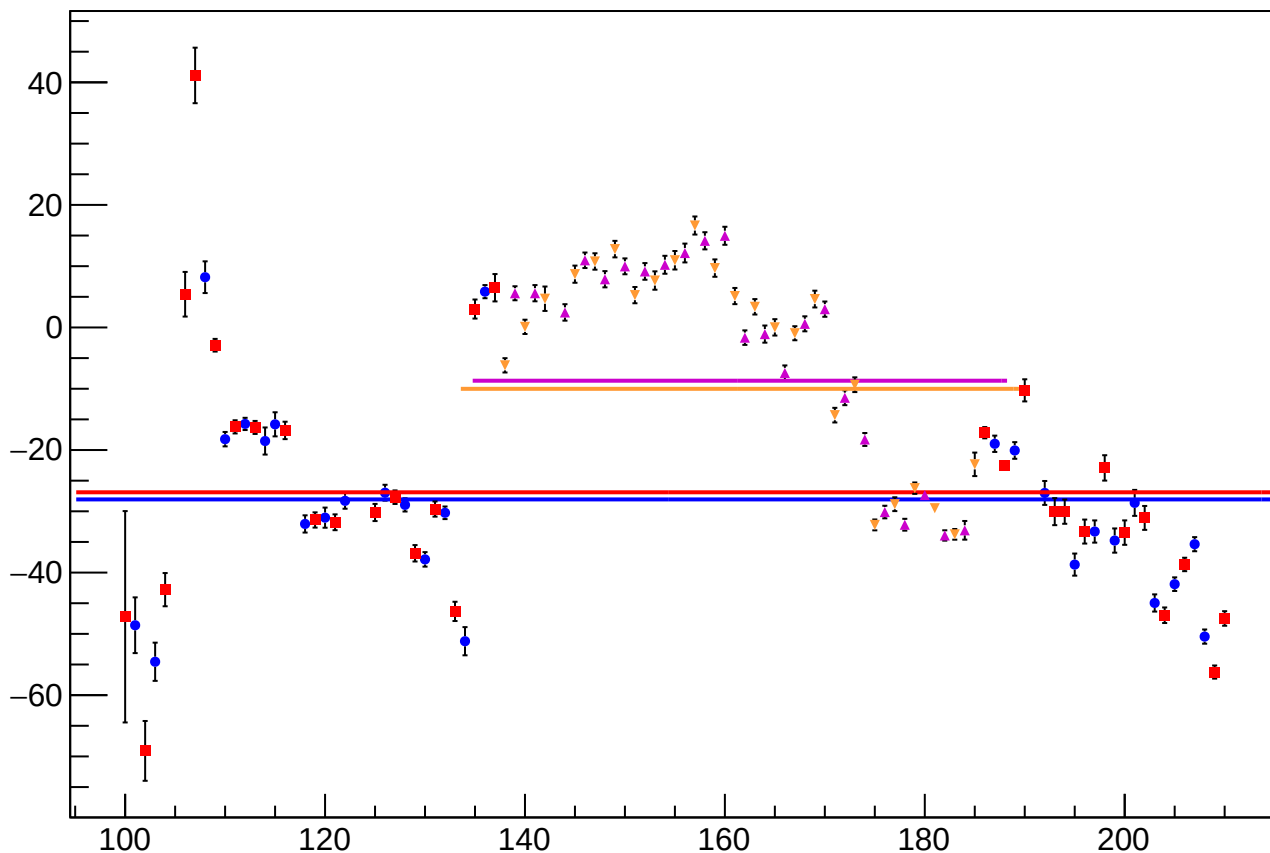
Left In: -4.091 $\pm$ 0.016 χ^2 /NDF: 333287.4/22

+ sign -0.329 $\pm$ 0.014 χ^2 /NDF: 855687.1/50

All: -0.608 $\pm$ 0.010 χ^2 /NDF: 1809650.0/104

- sign -0.889 $\pm$ 0.014 χ^2 /NDF: 953187.0/53

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -28.060 +/- 0.273 χ^2/NDF : 2602.7/26

Left Out: -10.013 +/- 0.244 χ^2/NDF : 4977.5/23

Right Out: -26.897 +/- 0.250 χ^2/NDF : 3719.9/30

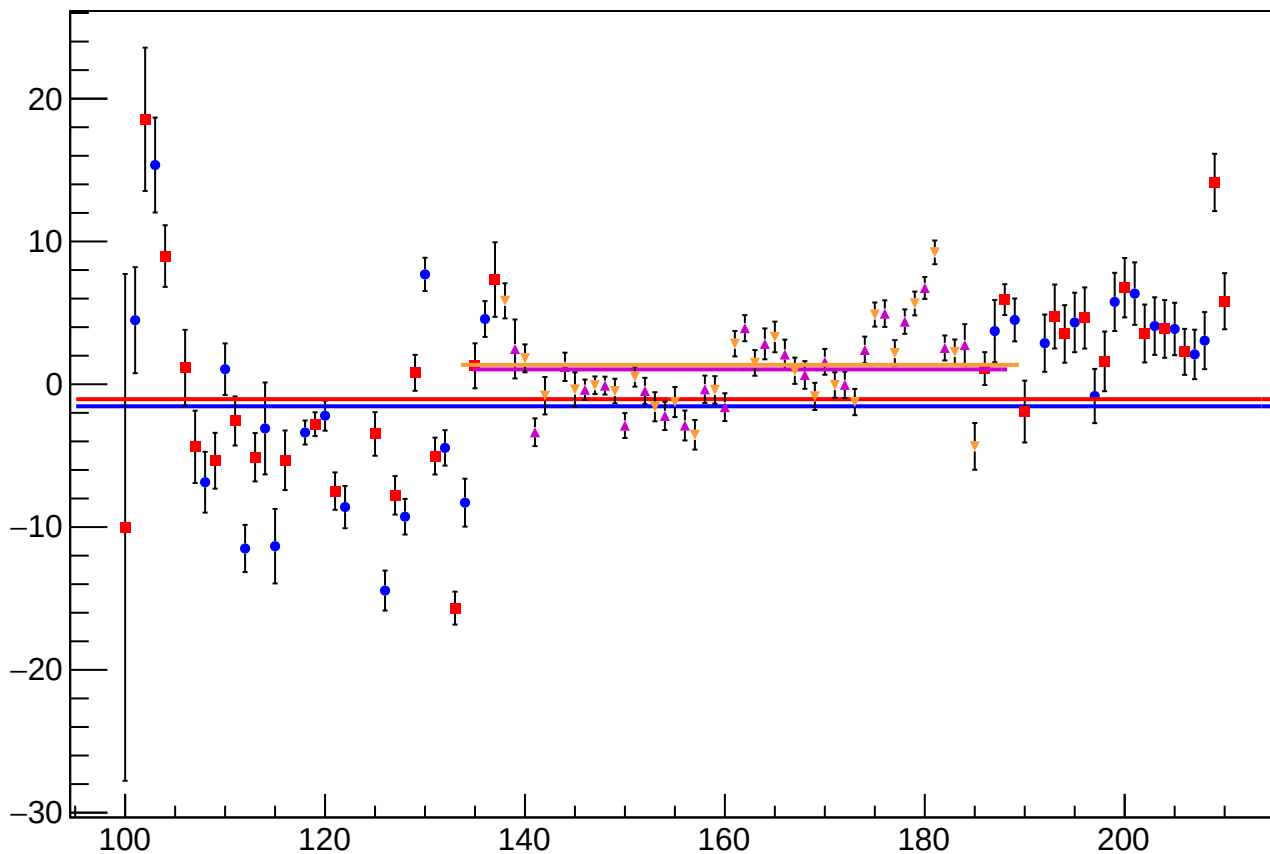
Left In: -8.689 +/- 0.248 χ^2/NDF : 5021.6/22

+ sign -18.039 +/- 0.182 χ^2/NDF : 10006.7/50

All: -17.862 +/- 0.127 χ^2/NDF : 21423.7/104

- sign -17.696 +/- 0.176 χ^2/NDF : 11415.3/53

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -1.542 ± 0.307 χ^2/NDF : 434.2/26

Left Out: 1.361 ± 0.188 χ^2/NDF : 240.3/23

Right Out: -1.043 ± 0.293 χ^2/NDF : 461.4/30

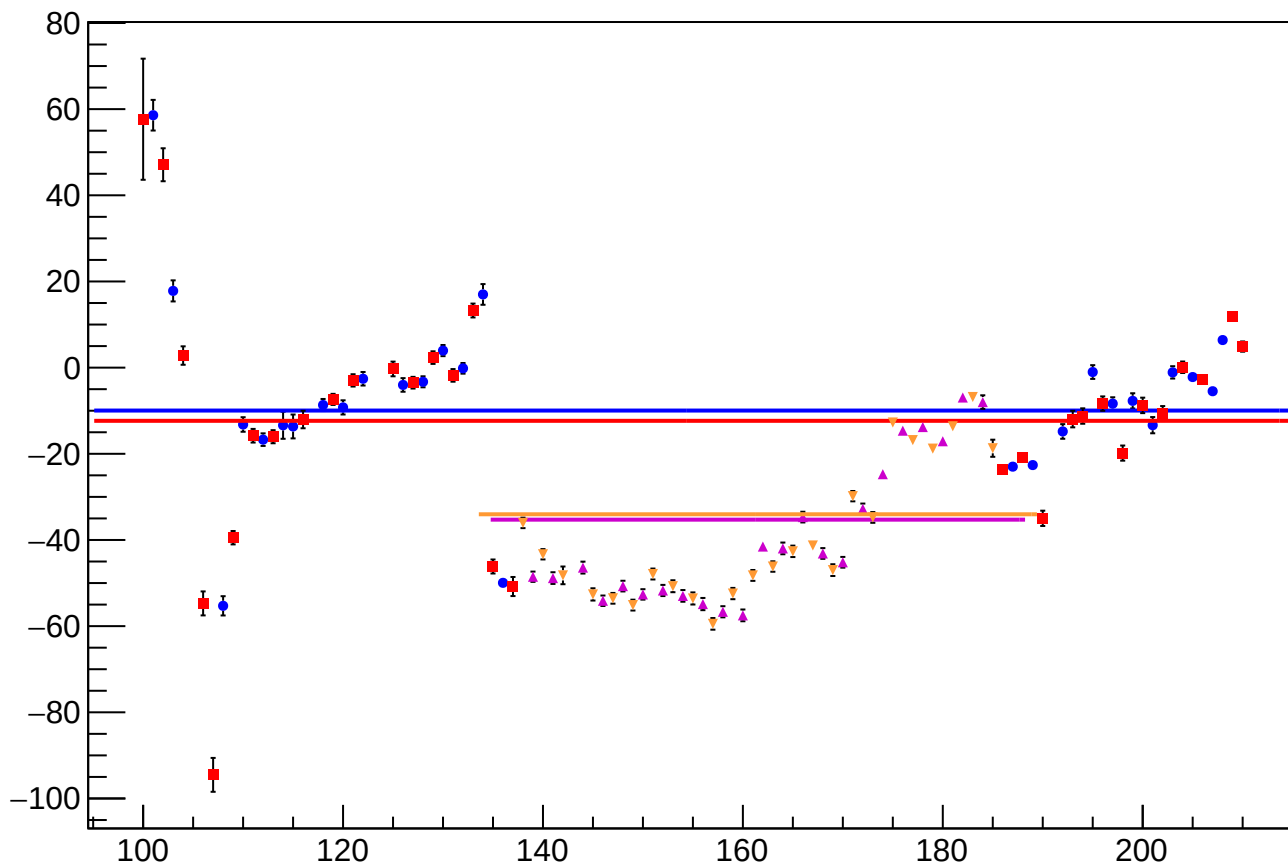
Left In: 1.041 ± 0.192 χ^2/NDF : 196.1/22

+ sign 0.568 ± 0.161 χ^2/NDF : 739.4/50

All: 0.492 ± 0.114 χ^2/NDF : 1432.6/104

- sign 0.414 ± 0.161 χ^2/NDF : 692.7/53

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -9.962 ± 0.286 χ^2/NDF : 3282.5/26

Left Out: -34.036 ± 0.243 χ^2/NDF : 4965.7/23

Right Out: -12.345 ± 0.254 χ^2/NDF : 4087.6/30

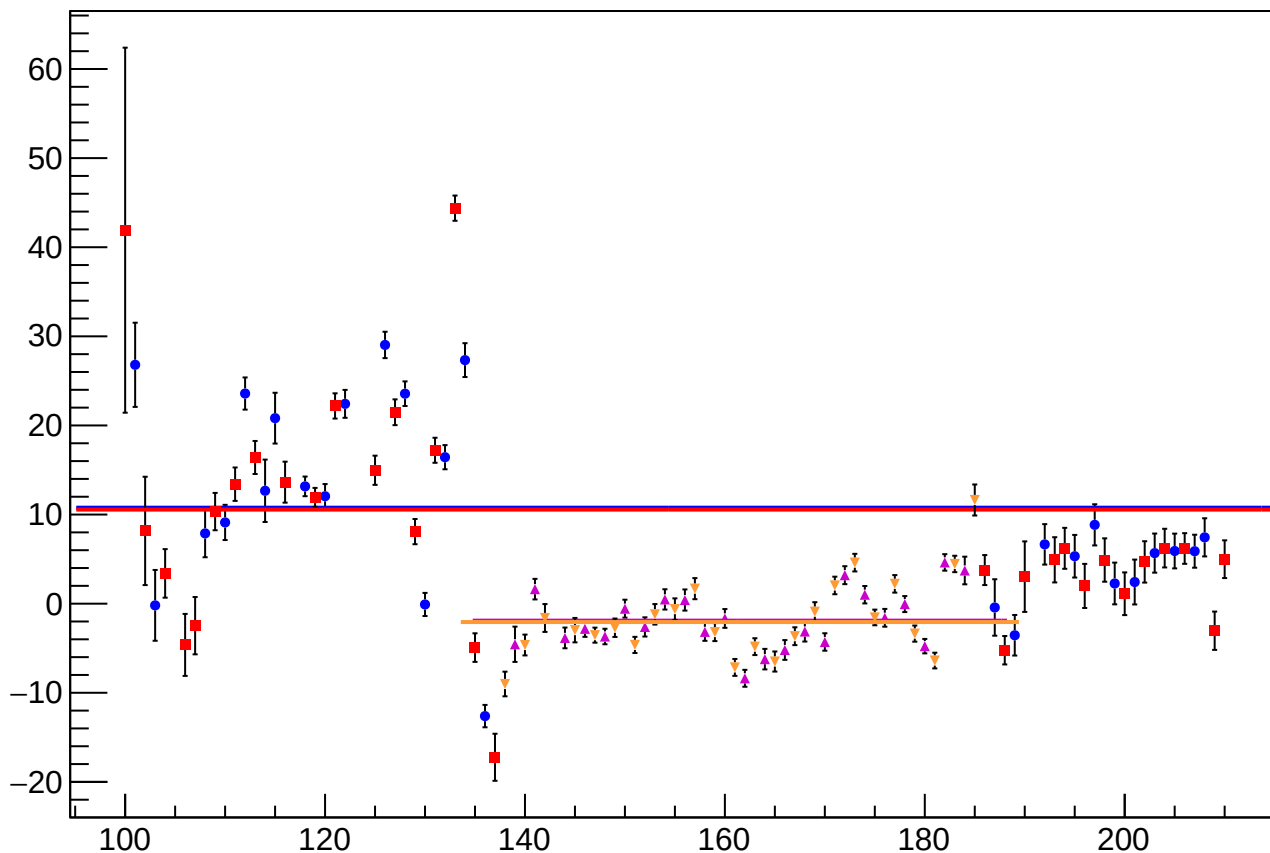
Left In: -35.285 ± 0.245 χ^2/NDF : 4998.0/22

+ sign -23.946 ± 0.185 χ^2/NDF : 12377.7/50

All: -24.074 ± 0.128 χ^2/NDF : 25689.8/104

- sign -24.190 ± 0.176 χ^2/NDF : 13311.2/53

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.770 $\pm$ 0.354 χ^2 /NDF: 1000.4/26

Left Out: -2.062 $\pm$ 0.212 χ^2 /NDF:332.4/23

Right Out: 10.557 $\pm$ 0.344 χ^2 /NDF: 1215.9/30

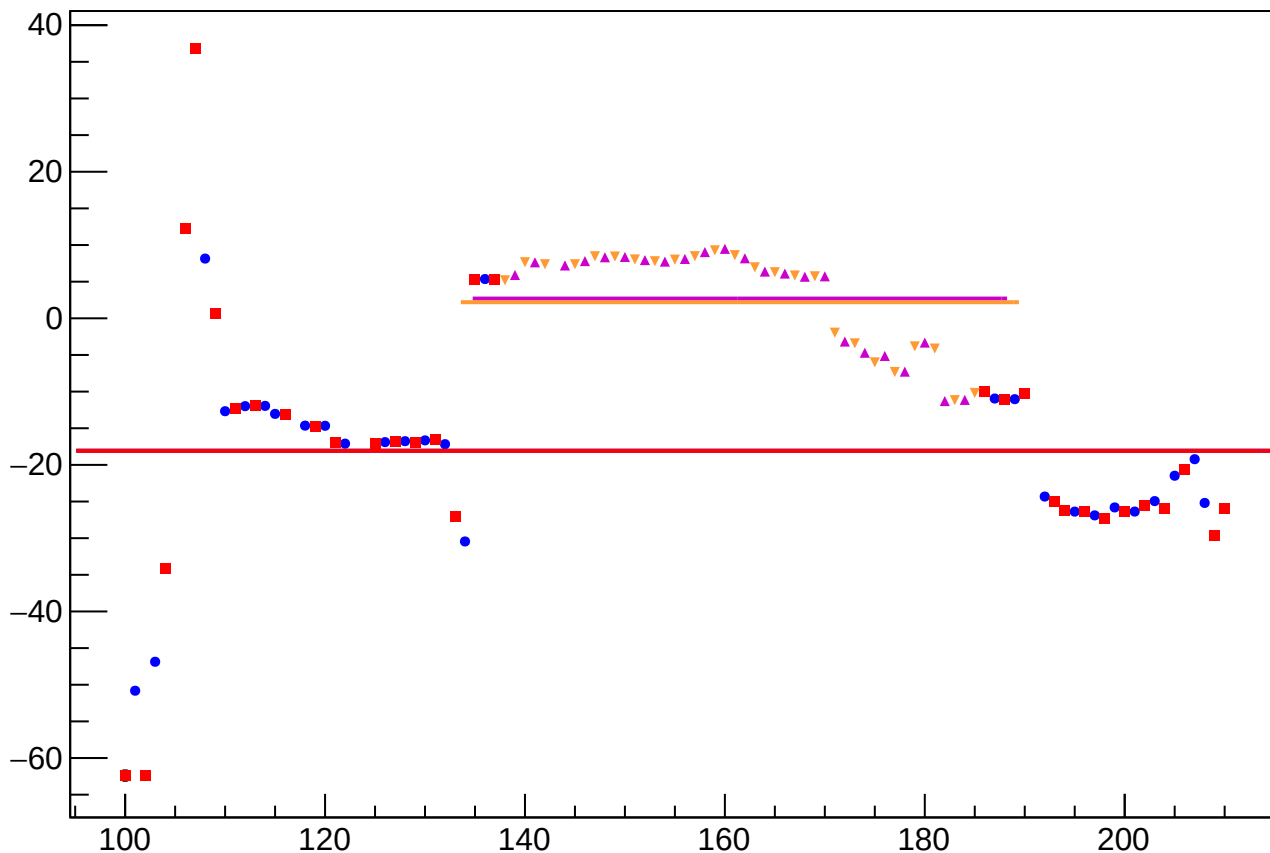
Left In: -1.905 $\pm$ 0.216 χ^2 /NDF:222.1/22

+ sign 1.333 $\pm$ 0.182 χ^2 /NDF: 2299.8/50

All: 1.475 $\pm$ 0.129 χ^2 /NDF: 4678.9/104

- sign 1.620 $\pm$ 0.183 χ^2 /NDF: 2377.9/53

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -18.064 ± 0.018 χ^2/NDF : 505477.5/26

Left Out: 2.198 ± 0.009 χ^2/NDF : 508502.1/23

Right Out: -18.082 ± 0.017 χ^2/NDF : 604542.7/30

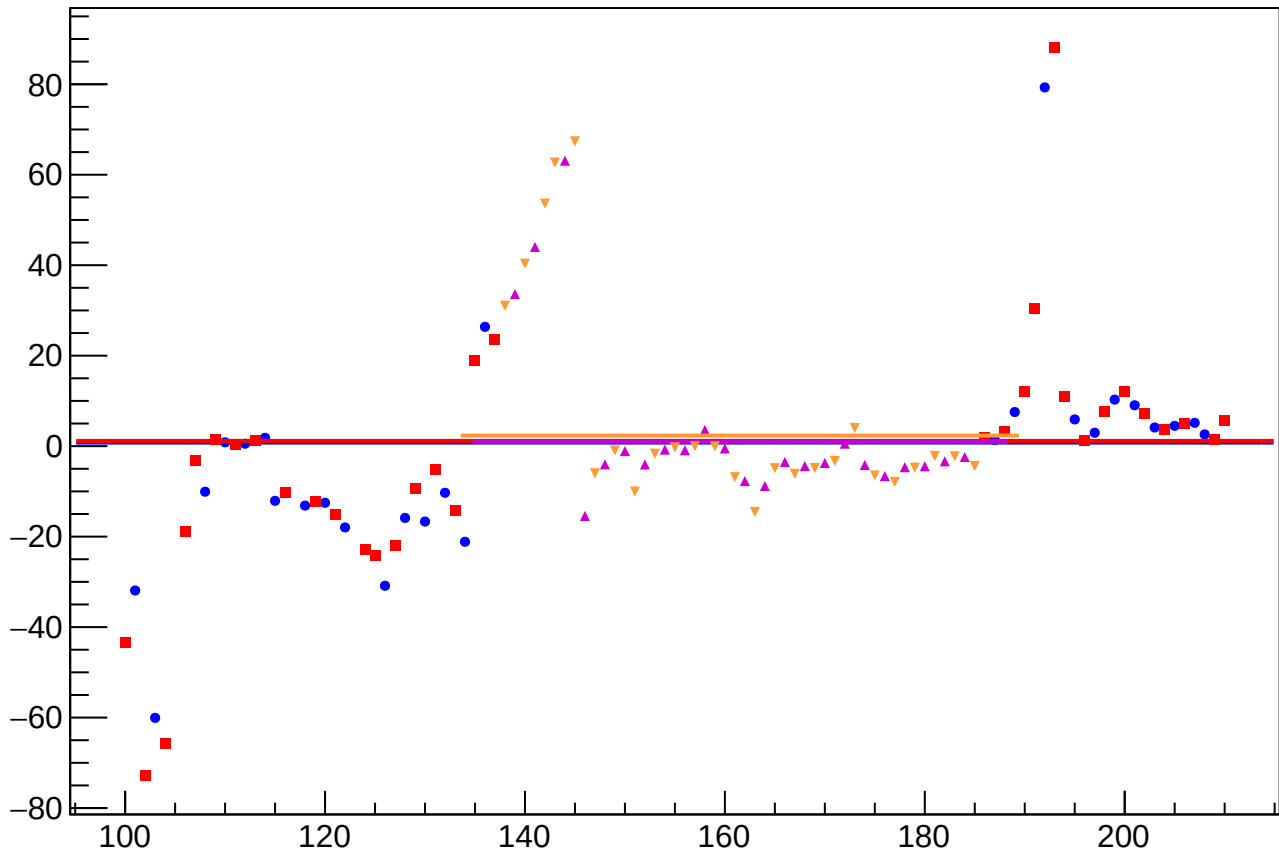
Left In: 2.694 ± 0.010 χ^2/NDF : 498824.3/22

+ sign -2.319 ± 0.008 χ^2/NDF : 2029133.2/50

All: -2.248 ± 0.006 χ^2/NDF : 4241660.3/104

- sign -2.177 ± 0.008 χ^2/NDF : 2212382.7/53

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 0.795+/-0.039 χ^2/NDF : 119573.8/26

Left Out: 2.341+/-0.040 χ^2/NDF :176986.1/24

Right Out: 1.162+/-0.034 χ^2/NDF : 121451.5/32

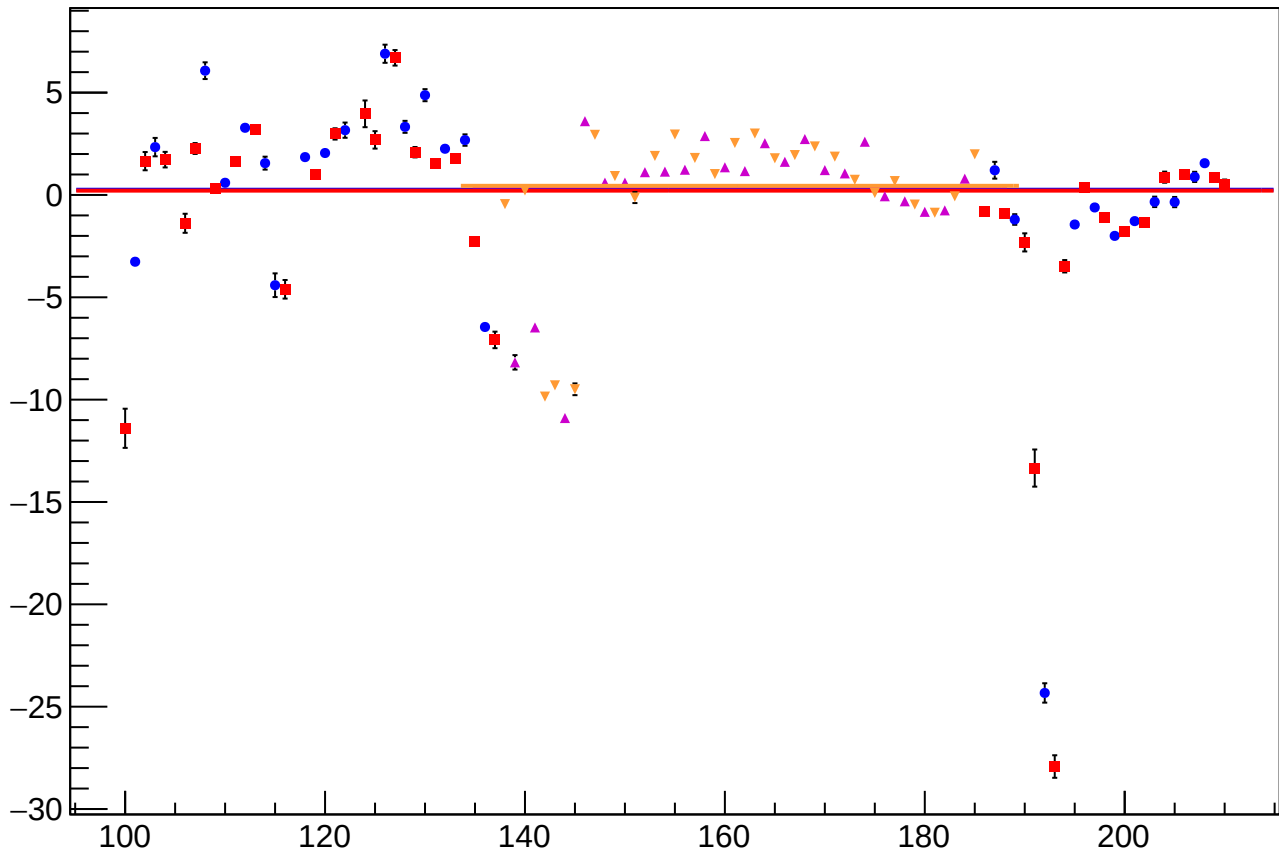
Left In: 0.957+/-0.040 χ^2/NDF :132519.8/22

+ sign 1.548+/-0.028 χ^2/NDF : 297316.1/51

All: 1.292+/-0.019 χ^2/NDF : 551456.0/107

- sign 1.077+/-0.026 χ^2/NDF : 253986.7/55

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.255 ± 0.047 χ^2/NDF : 5862.5/26

Left Out: 0.446 ± 0.033 χ^2/NDF : 7044.3/24

Right Out: 0.212 ± 0.043 χ^2/NDF : 5101.1/32

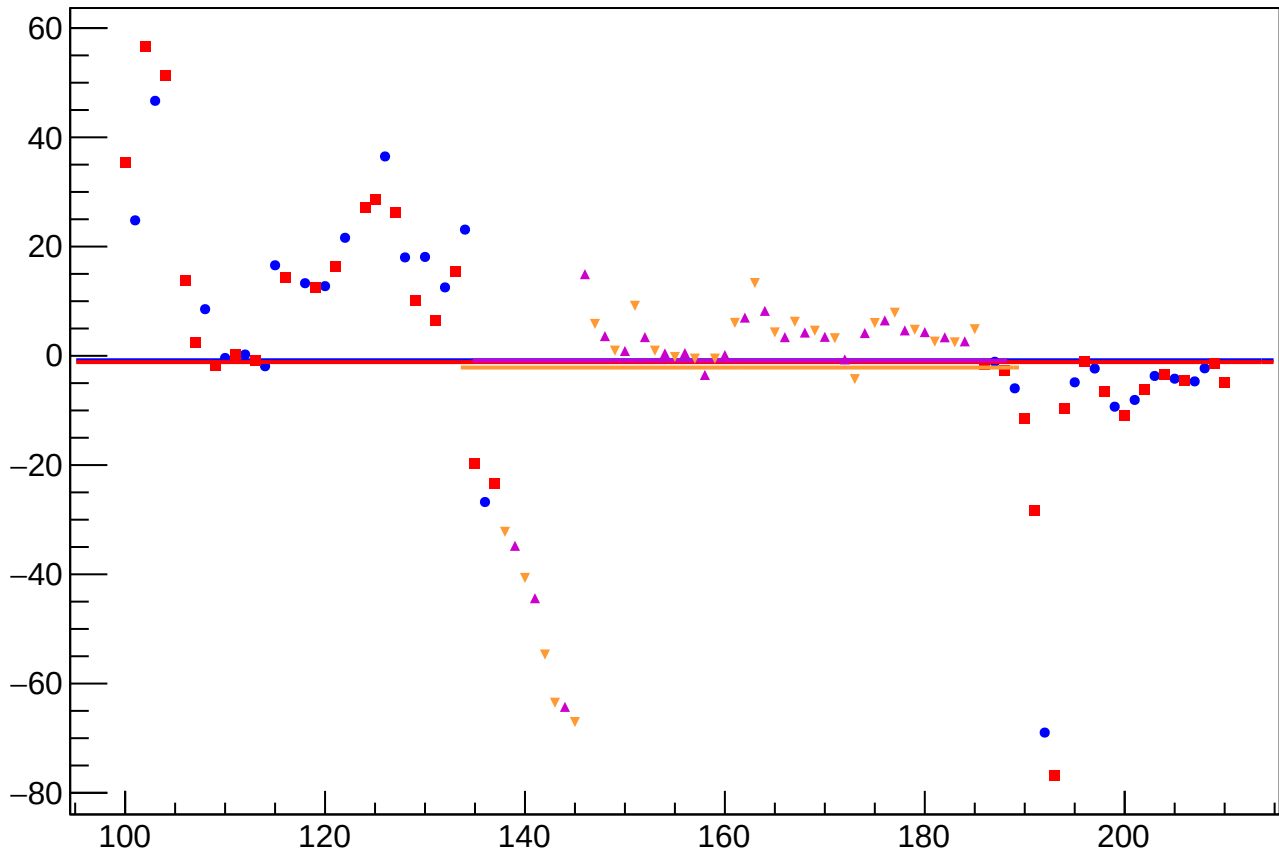
Left In: 0.427 ± 0.031 χ^2/NDF : 7102.3/22

+ sign 0.383 ± 0.027 χ^2/NDF : 12918.0/51

All: 0.367 ± 0.018 χ^2/NDF : 25138.4/107

- sign 0.353 ± 0.025 χ^2/NDF : 12219.7/55

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -0.813 ± 0.040 χ^2/NDF : 118359.0/26

Left Out: -2.143 ± 0.040 χ^2/NDF : 171271.2/24

Right Out: -1.150 ± 0.035 χ^2/NDF : 119529.2/32

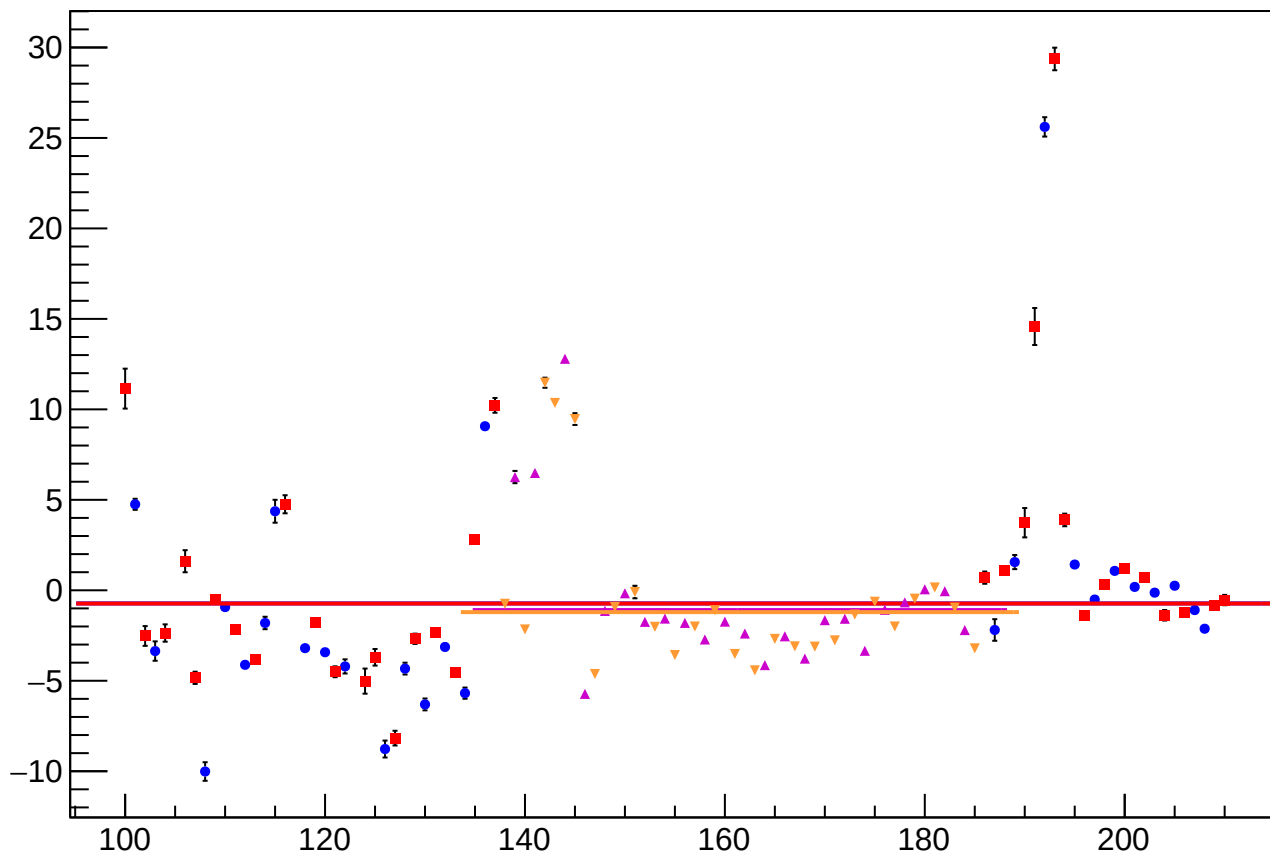
Left In: -0.881 ± 0.039 χ^2/NDF : 129197.8/22

+ sign -1.481 ± 0.029 χ^2/NDF : 290173.2/51

All: -1.237 ± 0.019 χ^2/NDF : 539061.3/107

- sign -1.030 ± 0.026 χ^2/NDF : 248752.8/55

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.725 ± 0.054 χ^2/NDF : 7353.0/26

Left Out: -1.206 ± 0.036 χ^2/NDF : 7003.0/24

Right Out: -0.733 ± 0.050 χ^2/NDF : 5611.5/32

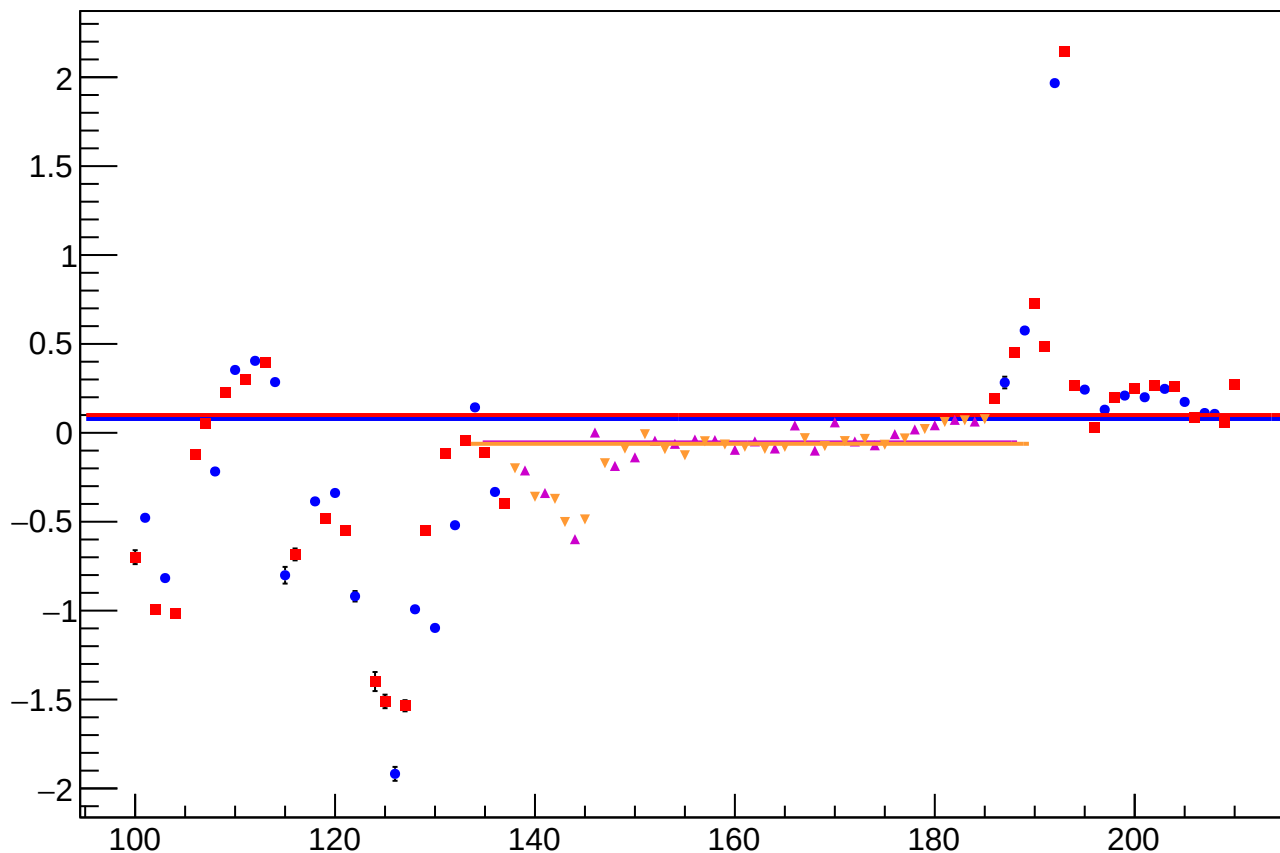
Left In: -1.094 ± 0.035 χ^2/NDF : 7029.2/22

+ sign -1.056 ± 0.030 χ^2/NDF : 14410.8/51

All: -1.014 ± 0.021 χ^2/NDF : 27090.3/107

- sign -0.976 ± 0.029 χ^2/NDF : 12675.8/55

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.078+/-0.002 χ^2/NDF : 34006.7/26

Left Out: -0.062+/-0.002 χ^2/NDF : 5711.9/24

Right Out: 0.100+/-0.002 χ^2/NDF : 34835.7/32

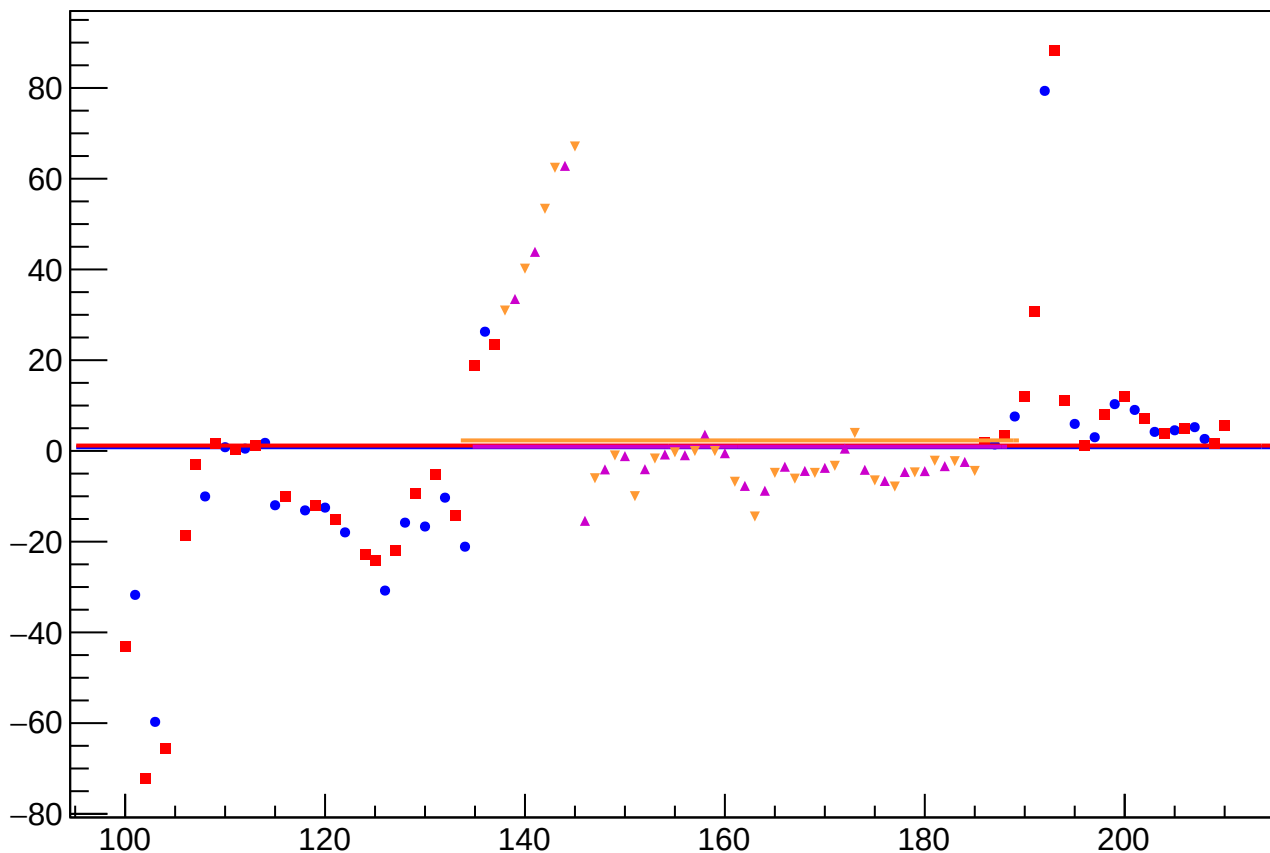
Left In: -0.054+/-0.001 χ^2/NDF : 5029.9/22

+ sign -0.019+/-0.001 χ^2/NDF : 42092.8/51

All: -0.013+/-0.001 χ^2/NDF : 85202.2/107

- sign -0.007+/-0.001 χ^2/NDF : 43069.5/55

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.814 ± 0.039 $\chi^2/\text{NDF}: 120072.1/26$

Left Out: 2.318 ± 0.040 $\chi^2/\text{NDF}: 176746.3/24$

Right Out: 1.183 ± 0.033 $\chi^2/\text{NDF}: 122036.8/32$

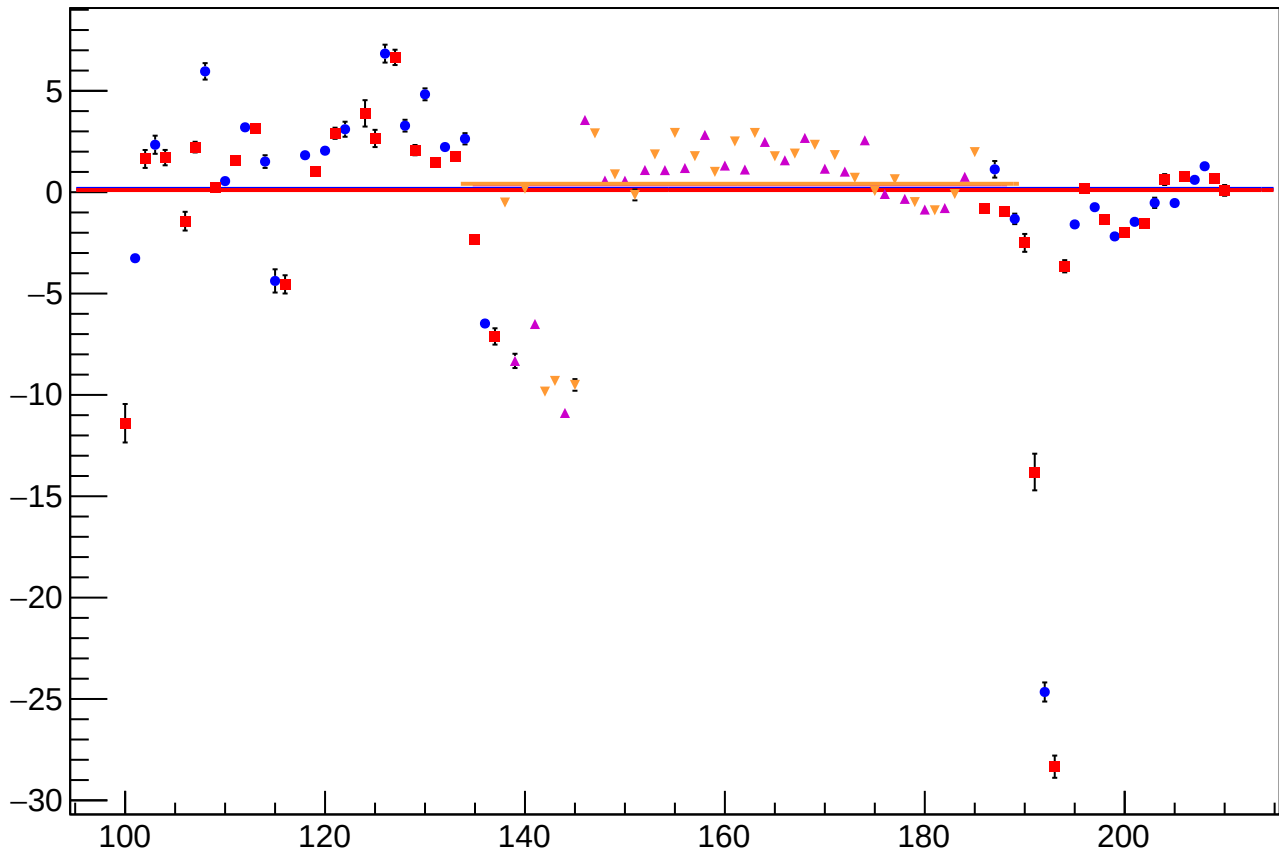
Left In: 0.935 ± 0.040 $\chi^2/\text{NDF}: 132405.3/22$

+ sign 1.545 ± 0.028 $\chi^2/\text{NDF}: 297540.5/51$

All: 1.292 ± 0.019 $\chi^2/\text{NDF}: 552155.4/107$

- sign 1.081 ± 0.026 $\chi^2/\text{NDF}: 254464.9/55$

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.163 $\pm$ 0.046 χ^2 /NDF: 5987.1/26

Left Out: 0.414 $\pm$ 0.033 χ^2 /NDF: 7047.2/24

Right Out: 0.106 $\pm$ 0.043 χ^2 /NDF: 5261.0/32

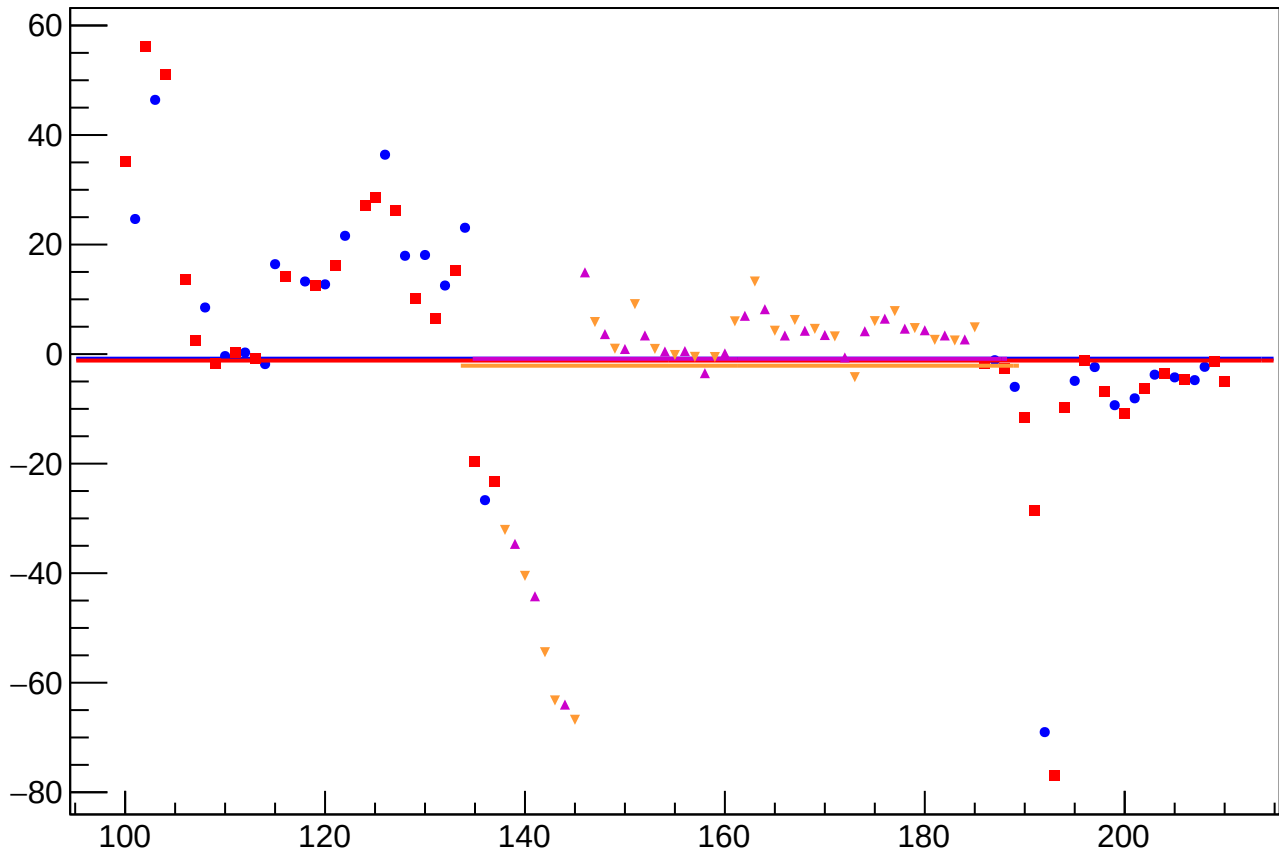
Left In: 0.389 $\pm$ 0.031 χ^2 /NDF: 7114.2/22

+ sign 0.330 $\pm$ 0.027 χ^2 /NDF: 13053.9/51

All: 0.309 $\pm$ 0.018 χ^2 /NDF: 25458.6/107

- sign 0.291 $\pm$ 0.025 χ^2 /NDF: 12403.6/55

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -0.837 ± 0.040 χ^2/NDF : 118824.9/26

Left Out: -2.119 ± 0.040 χ^2/NDF : 171039.7/24

Right Out: -1.178 ± 0.035 χ^2/NDF : 120080.0/32

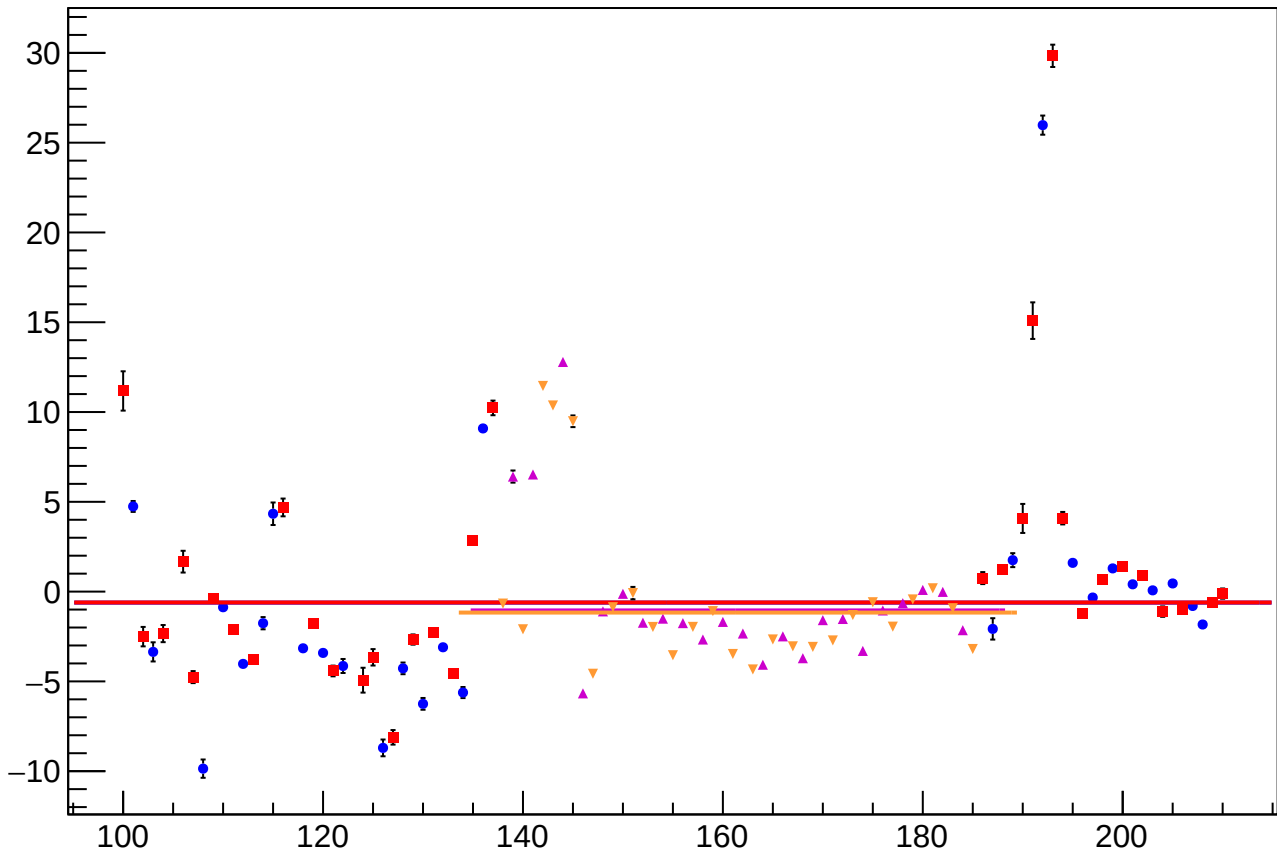
Left In: -0.859 ± 0.039 χ^2/NDF : 129084.9/22

+ sign -1.481 ± 0.028 χ^2/NDF : 290373.6/51

All: -1.240 ± 0.019 χ^2/NDF : 539707.8/107

- sign -1.036 ± 0.026 χ^2/NDF : 249201.7/55

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.613 ± 0.054 χ^2/NDF : 7461.3/26

Left Out: -1.167 ± 0.036 χ^2/NDF : 7001.4/24

Right Out: -0.605 ± 0.050 χ^2/NDF : 5769.1/32

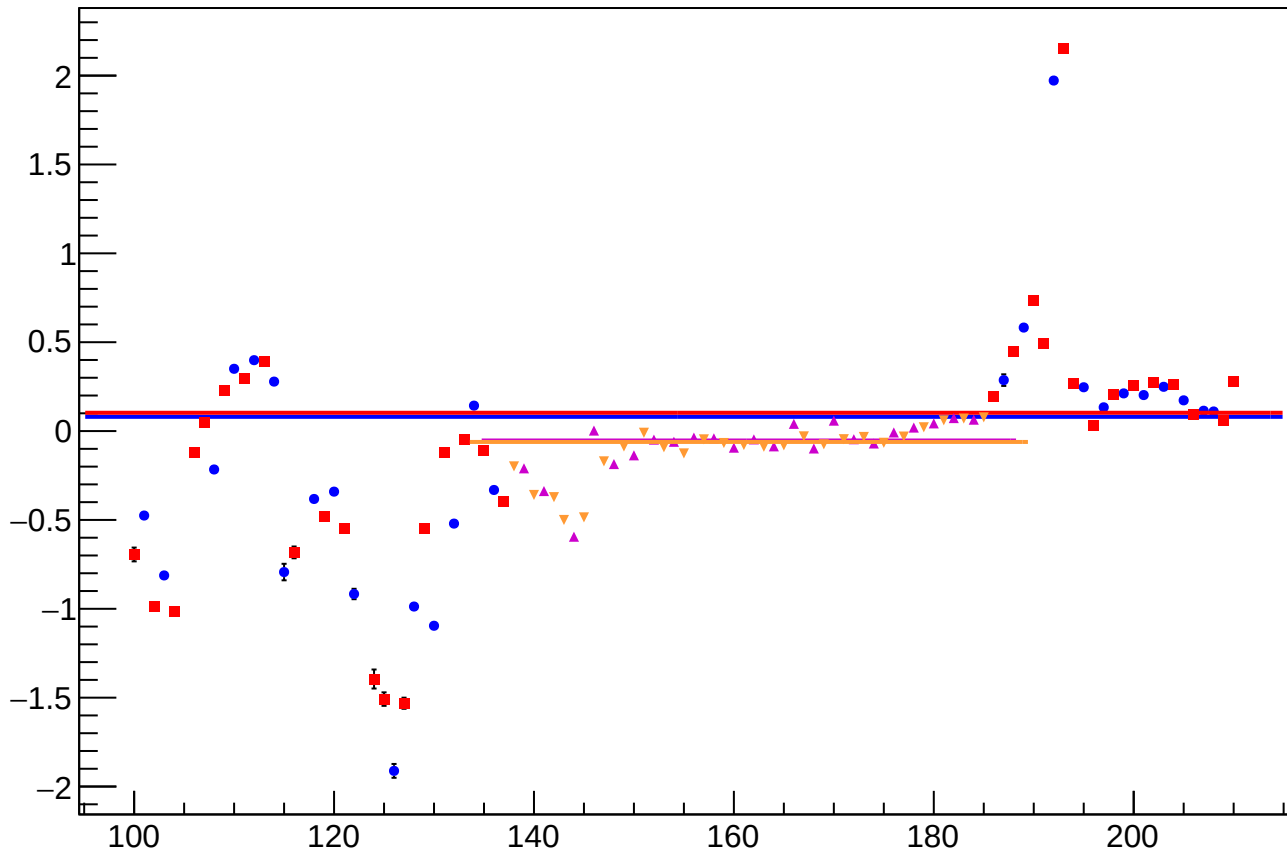
Left In: -1.048 ± 0.035 χ^2/NDF : 7040.7/22

+ sign -0.994 ± 0.030 χ^2/NDF : 14536.1/51

All: -0.946 ± 0.021 χ^2/NDF : 27404.1/107

- sign -0.903 ± 0.028 χ^2/NDF : 12863.1/55

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.080 $\pm$ 0.002 χ^2 /NDF: 34278.0/26

Left Out: -0.061 $\pm$ 0.002 χ^2 /NDF: 5729.4/24

Right Out: 0.103 $\pm$ 0.002 χ^2 /NDF: 35150.5/32

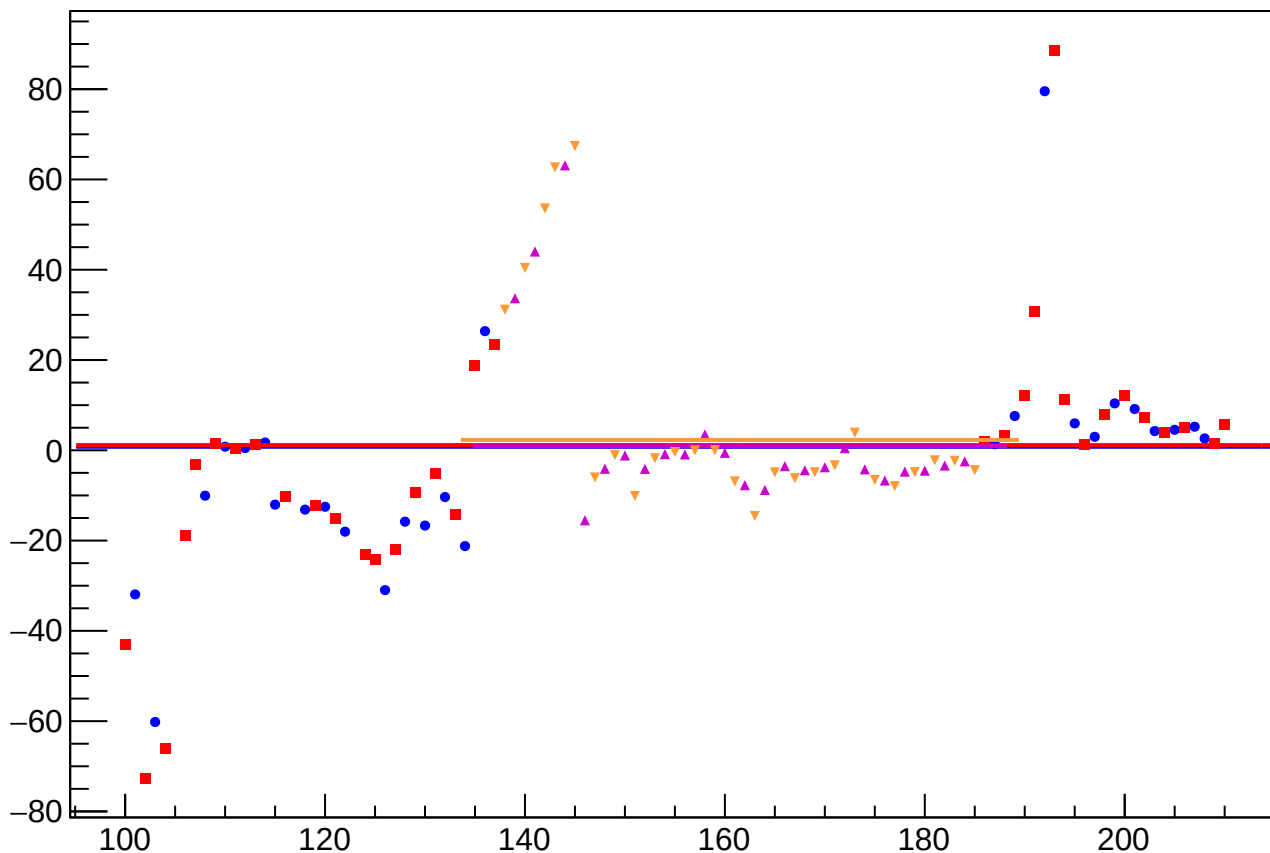
Left In: -0.053 $\pm$ 0.001 χ^2 /NDF: 5006.2/22

+ sign -0.018 $\pm$ 0.001 χ^2 /NDF: 42464.5/51

All: -0.011 $\pm$ 0.001 χ^2 /NDF: 85983.0/107

- sign -0.006 $\pm$ 0.001 χ^2 /NDF: 43475.0/55

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.783 ± 0.039 χ^2/NDF : 120113.2/26

Left Out: 2.296 ± 0.040 χ^2/NDF : 177186.2/24

Right Out: 1.158 ± 0.034 χ^2/NDF : 122054.7/32

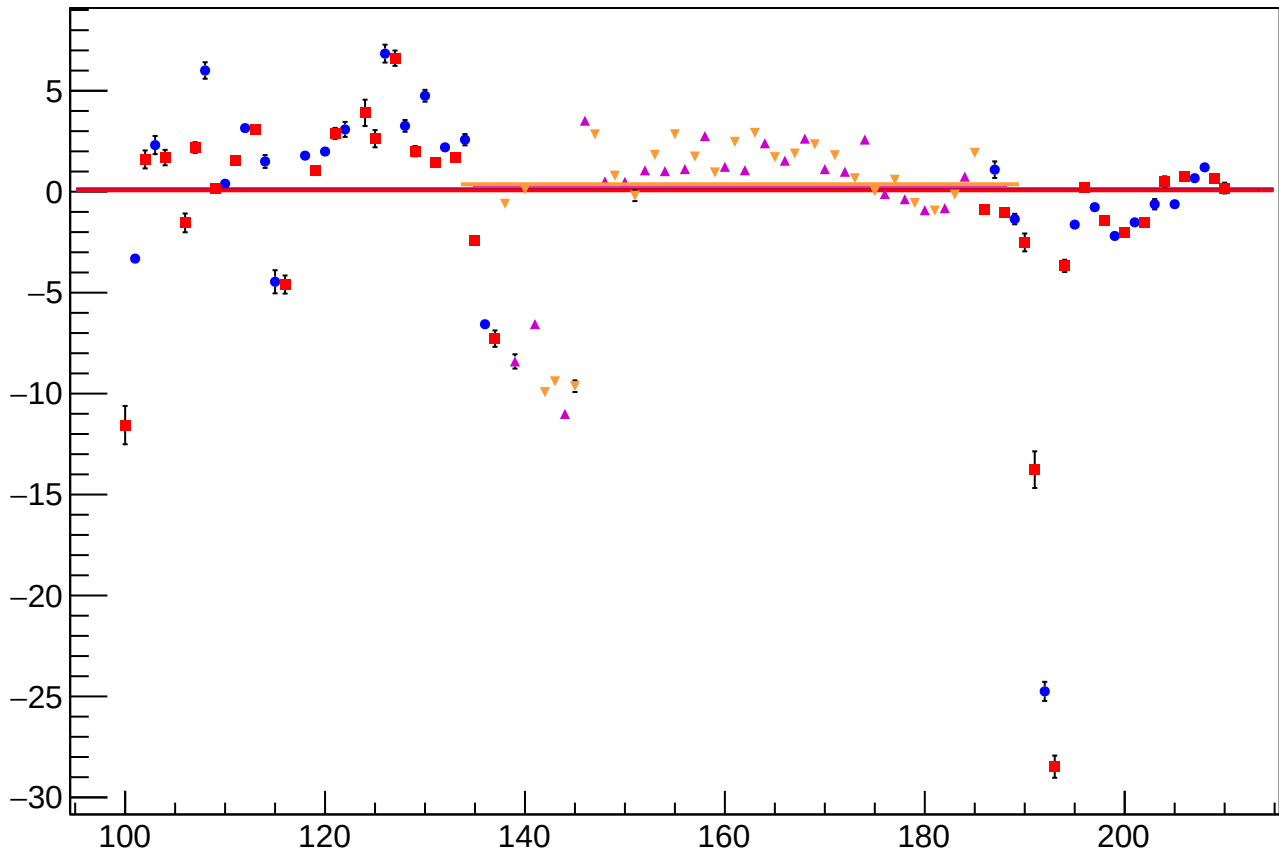
Left In: 0.912 ± 0.040 χ^2/NDF : 132573.8/22

+ sign 1.520 ± 0.028 χ^2/NDF : 298022.0/51

All: 1.267 ± 0.019 χ^2/NDF : 552820.8/107

- sign 1.057 ± 0.026 χ^2/NDF : 254650.7/55

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.116 $\pm$ 0.047 χ^2 /NDF: 5973.5/26

Left Out: 0.368 $\pm$ 0.033 χ^2 /NDF: 7068.0/24

Right Out: 0.072 $\pm$ 0.043 χ^2 /NDF: 5255.3/32

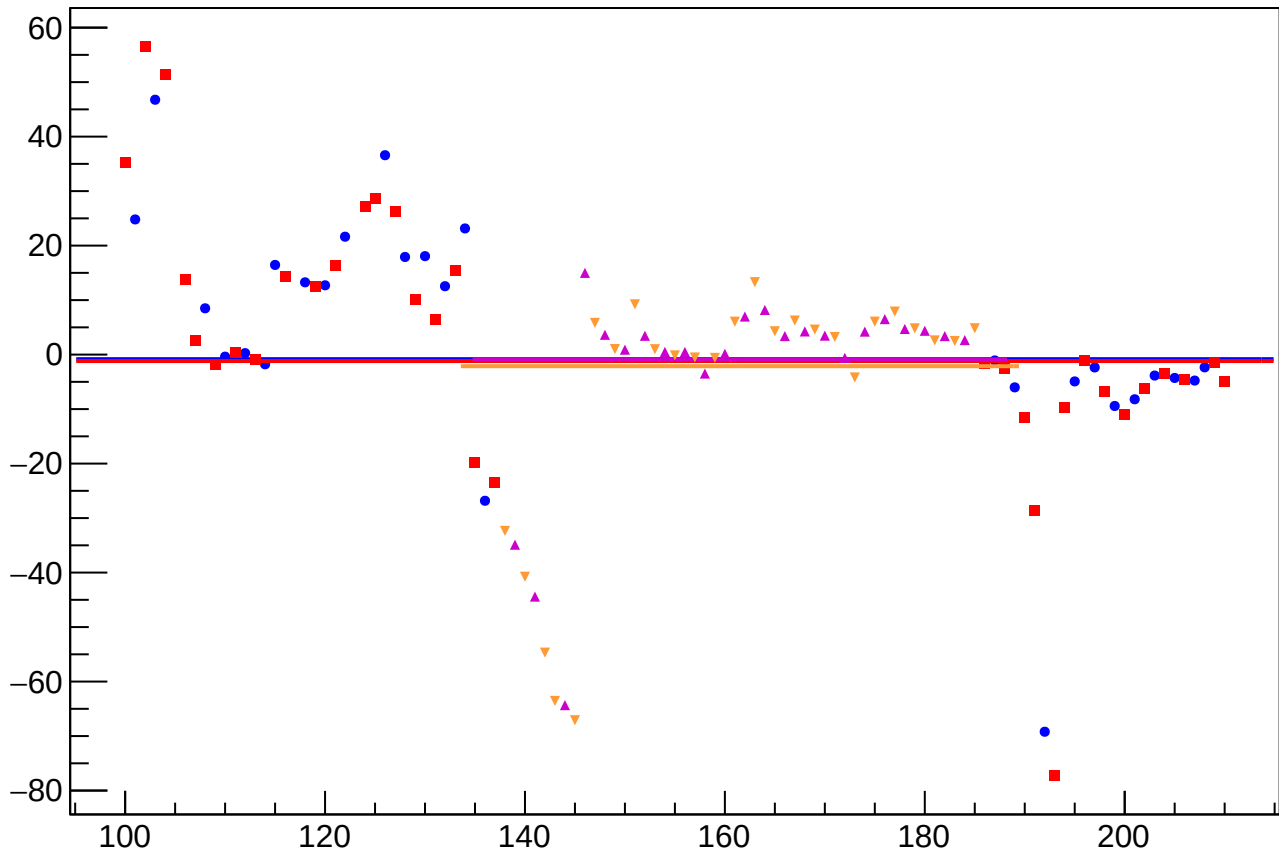
Left In: 0.337 $\pm$ 0.031 χ^2 /NDF: 7094.3/22

+ sign 0.284 $\pm$ 0.027 χ^2 /NDF: 13061.0/51

All: 0.263 $\pm$ 0.018 χ^2 /NDF: 25436.2/107

- sign 0.245 $\pm$ 0.025 χ^2 /NDF: 12374.1/55

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -0.838 ± 0.041 χ^2/NDF : 118879.0/26

Left Out: -2.133 ± 0.040 χ^2/NDF : 171466.8/24

Right Out: -1.182 ± 0.035 χ^2/NDF : 120127.1/32

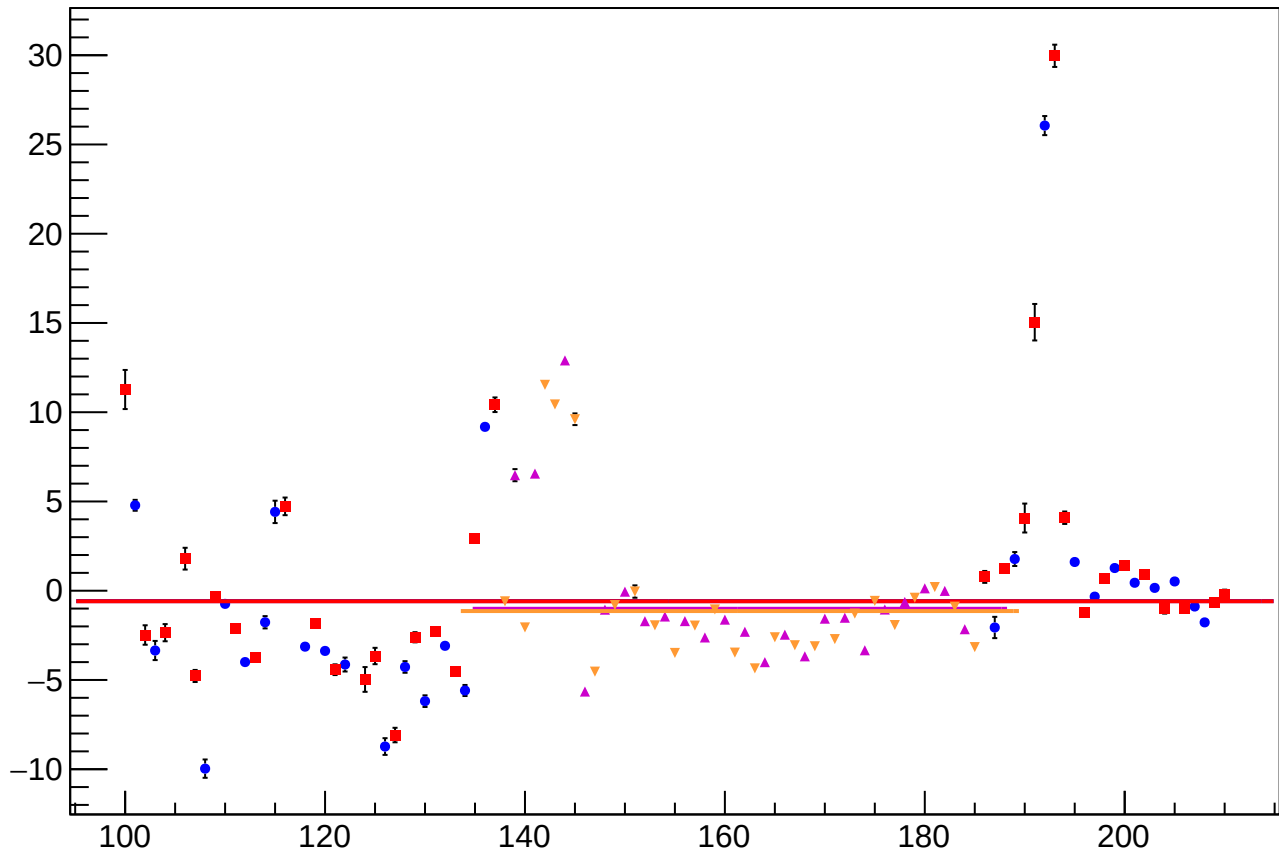
Left In: -0.871 ± 0.039 χ^2/NDF : 129263.4/22

+ sign -1.489 ± 0.029 χ^2/NDF : 290859.9/51

All: -1.248 ± 0.019 χ^2/NDF : 540416.4/107

- sign -1.044 ± 0.026 χ^2/NDF : 249425.1/55

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.582 ± 0.054 χ^2/NDF : 7455.3/26

Left Out: -1.140 ± 0.036 χ^2/NDF : 7022.9/24

Right Out: -0.590 ± 0.050 χ^2/NDF : 5772.5/32

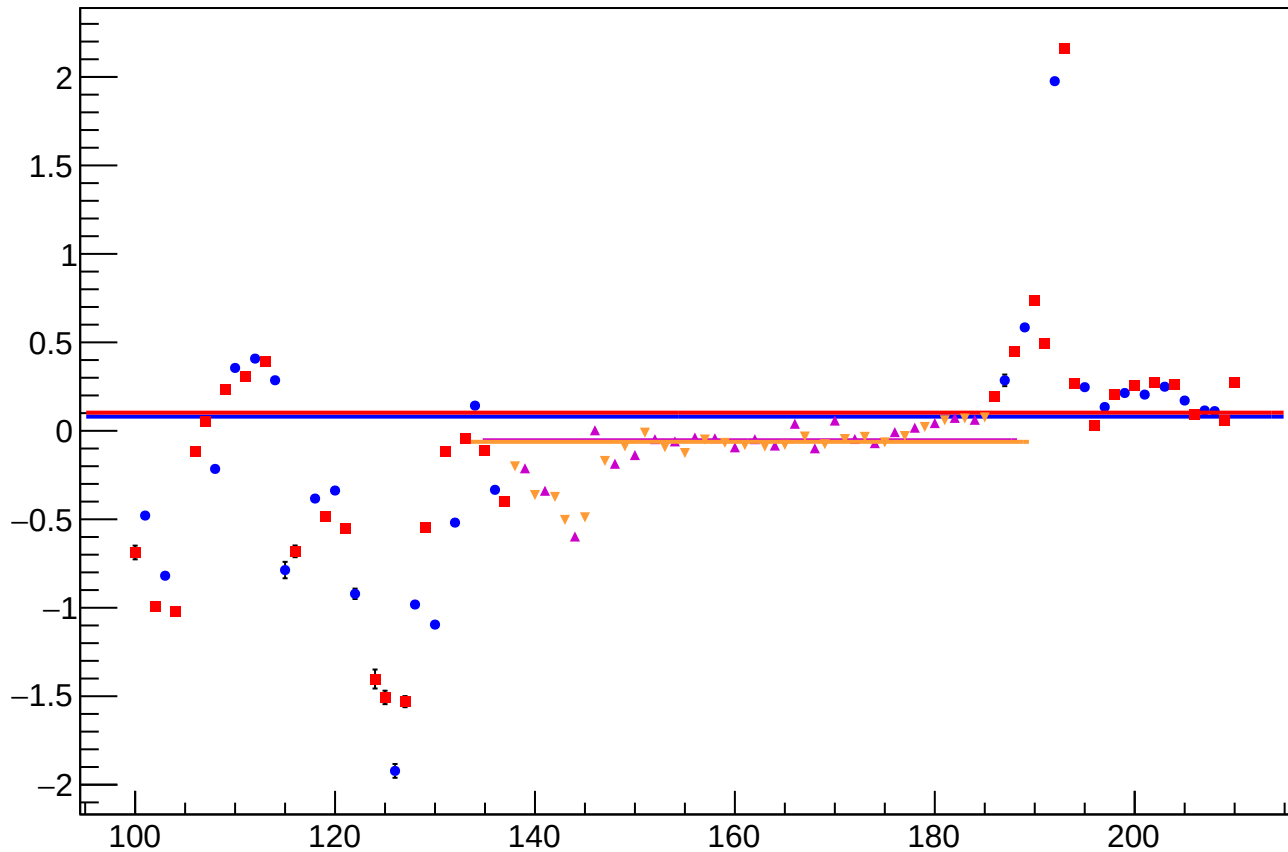
Left In: -1.013 ± 0.035 χ^2/NDF : 7027.2/22

+ sign -0.966 ± 0.030 χ^2/NDF : 14551.7/51

All: -0.918 ± 0.021 χ^2/NDF : 27404.4/107

- sign -0.875 ± 0.029 χ^2/NDF : 12847.9/55

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.080 ± 0.002 χ^2/NDF : 34269.8/26

Left Out: -0.062 ± 0.002 χ^2/NDF : 5736.1/24

Right Out: 0.103 ± 0.002 χ^2/NDF : 35105.7/32

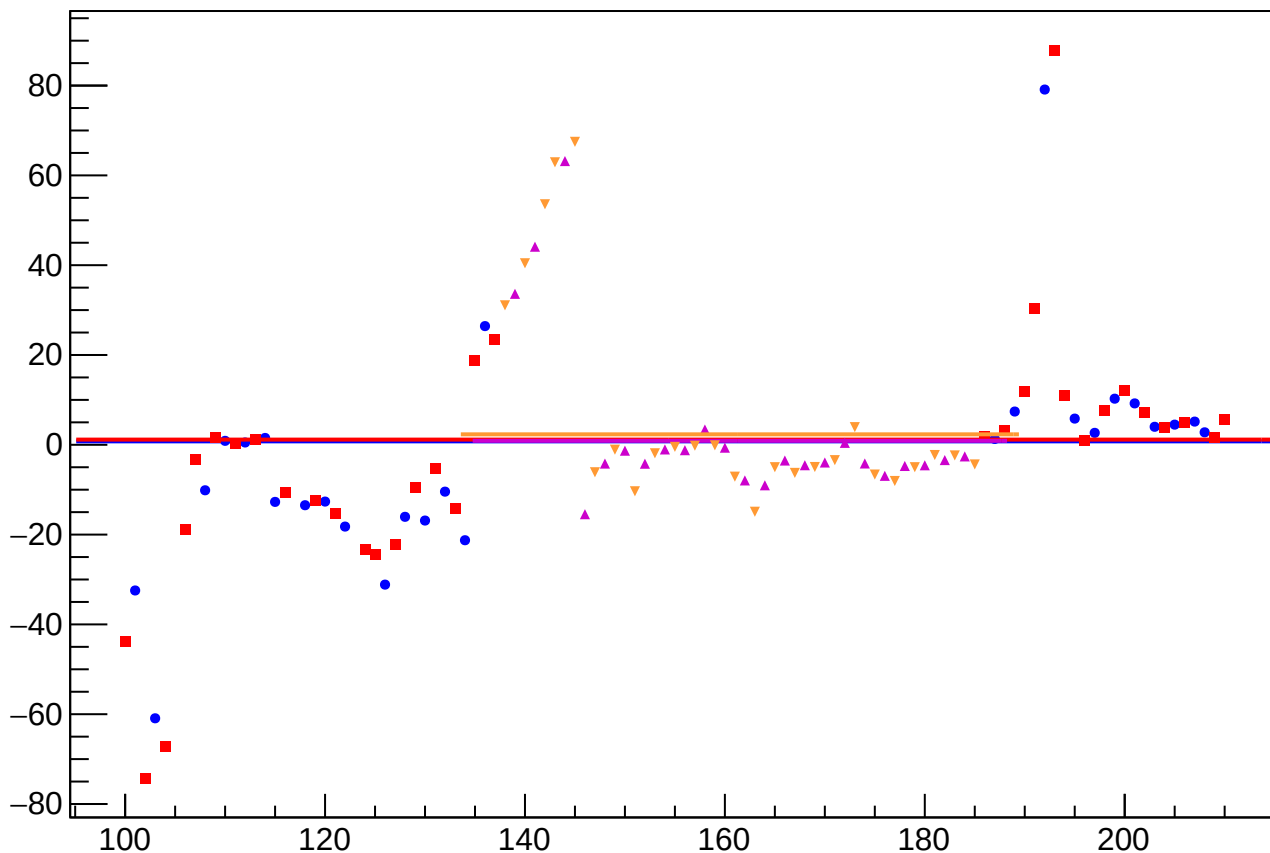
Left In: -0.053 ± 0.001 χ^2/NDF : 4993.7/22

+ sign -0.019 ± 0.001 χ^2/NDF : 42471.3/51

All: -0.012 ± 0.001 χ^2/NDF : 85905.5/107

- sign -0.006 ± 0.001 χ^2/NDF : 43388.2/55

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 0.766 ± 0.040 $\chi^2/\text{NDF}: 118257.3/26$

Left Out: 2.329 ± 0.041 $\chi^2/\text{NDF}: 174647.6/24$

Right Out: 1.156 ± 0.034 $\chi^2/\text{NDF}: 120432.1/32$

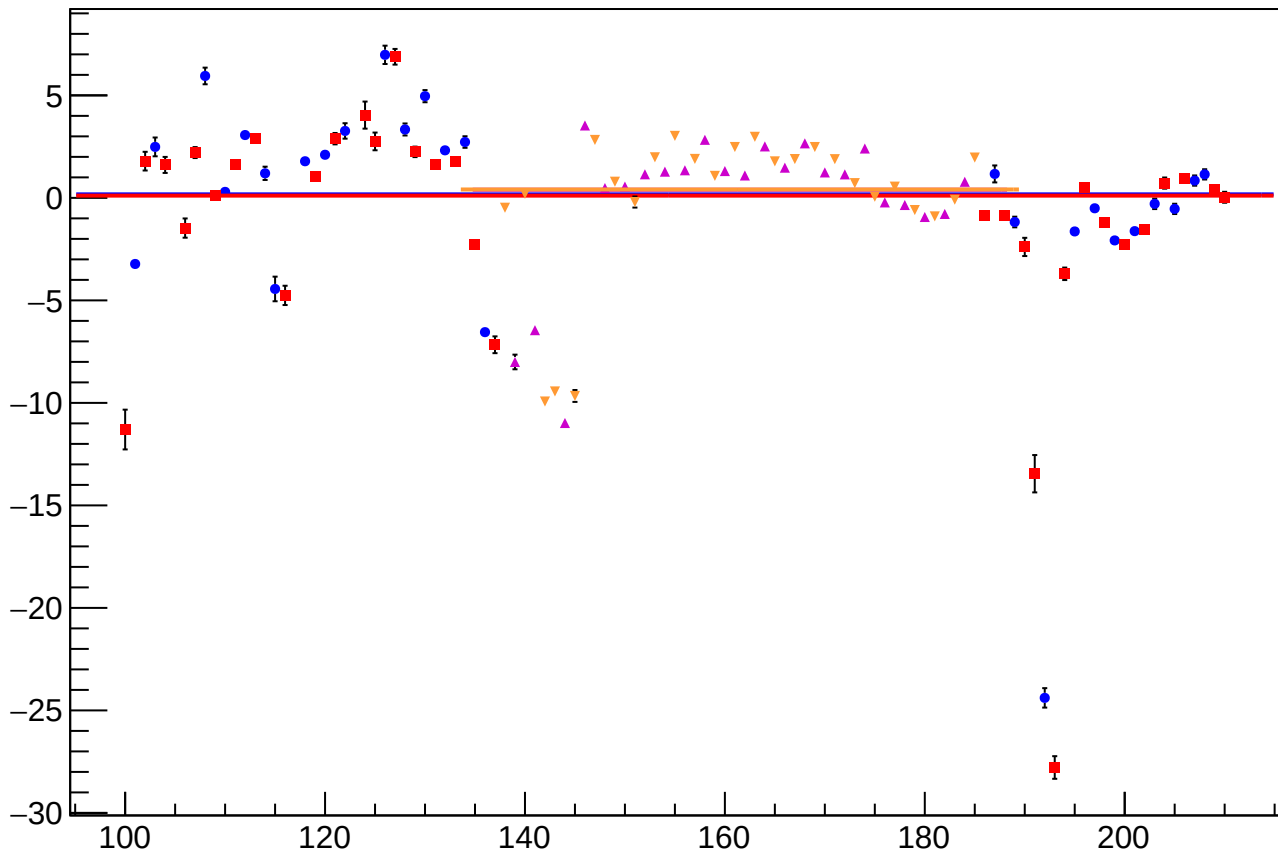
Left In: 0.887 ± 0.041 $\chi^2/\text{NDF}: 130417.3/22$

+ sign 1.522 ± 0.029 $\chi^2/\text{NDF}: 293651.6/51$

All: 1.263 ± 0.019 $\chi^2/\text{NDF}: 544678.4/107$

- sign 1.046 ± 0.026 $\chi^2/\text{NDF}: 250875.1/55$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.171 ± 0.047 $\chi^2/\text{NDF}: 5810.9/26$

Left Out: 0.410 ± 0.033 $\chi^2/\text{NDF}: 7047.9/24$

Right Out: 0.110 ± 0.044 $\chi^2/\text{NDF}: 5059.5/32$

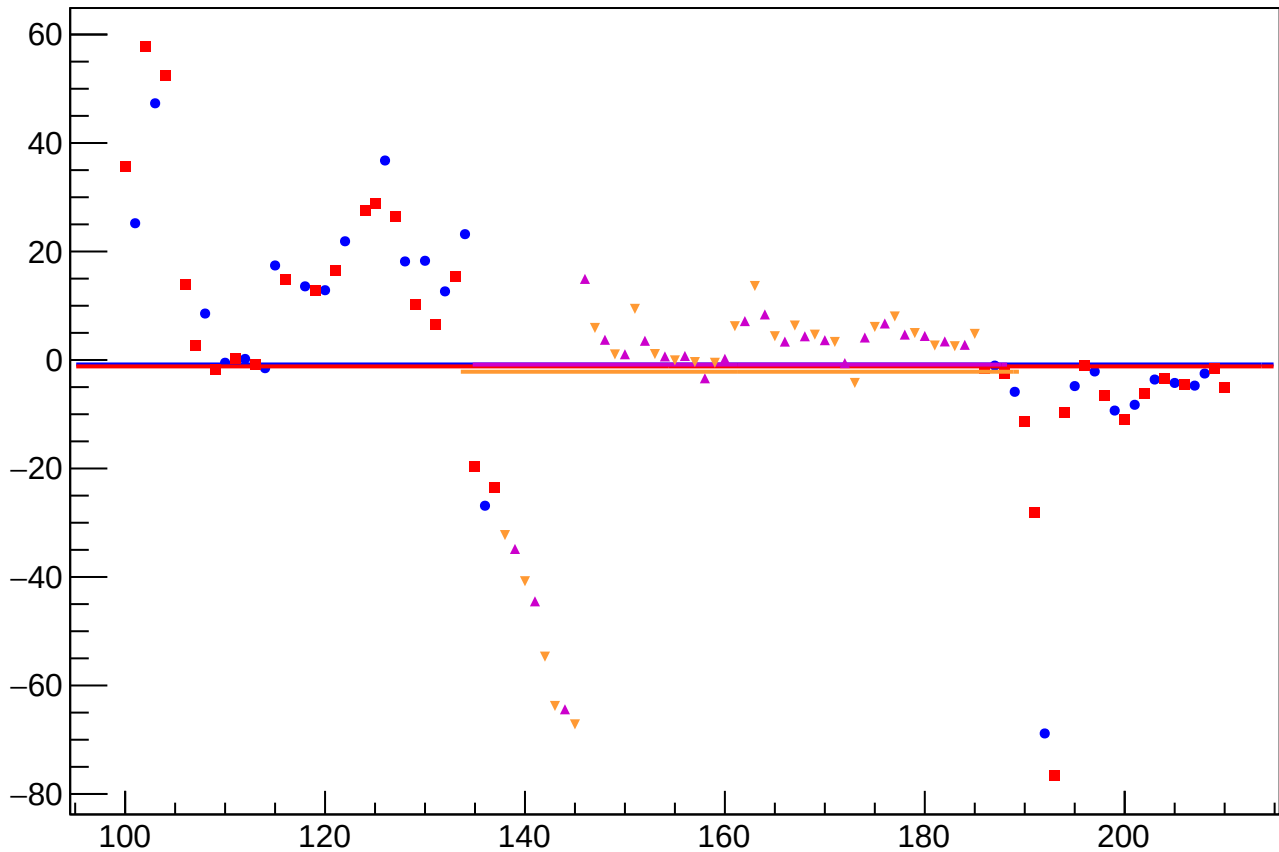
Left In: 0.396 ± 0.032 $\chi^2/\text{NDF}: 6932.0/22$

+ sign 0.330 ± 0.027 $\chi^2/\text{NDF}: 12875.7/51$

All: 0.312 ± 0.019 $\chi^2/\text{NDF}: 24895.8/107$

- sign 0.296 ± 0.026 $\chi^2/\text{NDF}: 12019.2/55$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -0.826 ± 0.041 χ^2/NDF : 117063.2/26

Left Out: -2.163 ± 0.041 χ^2/NDF : 168990.2/24

Right Out: -1.182 ± 0.036 χ^2/NDF : 118510.7/32

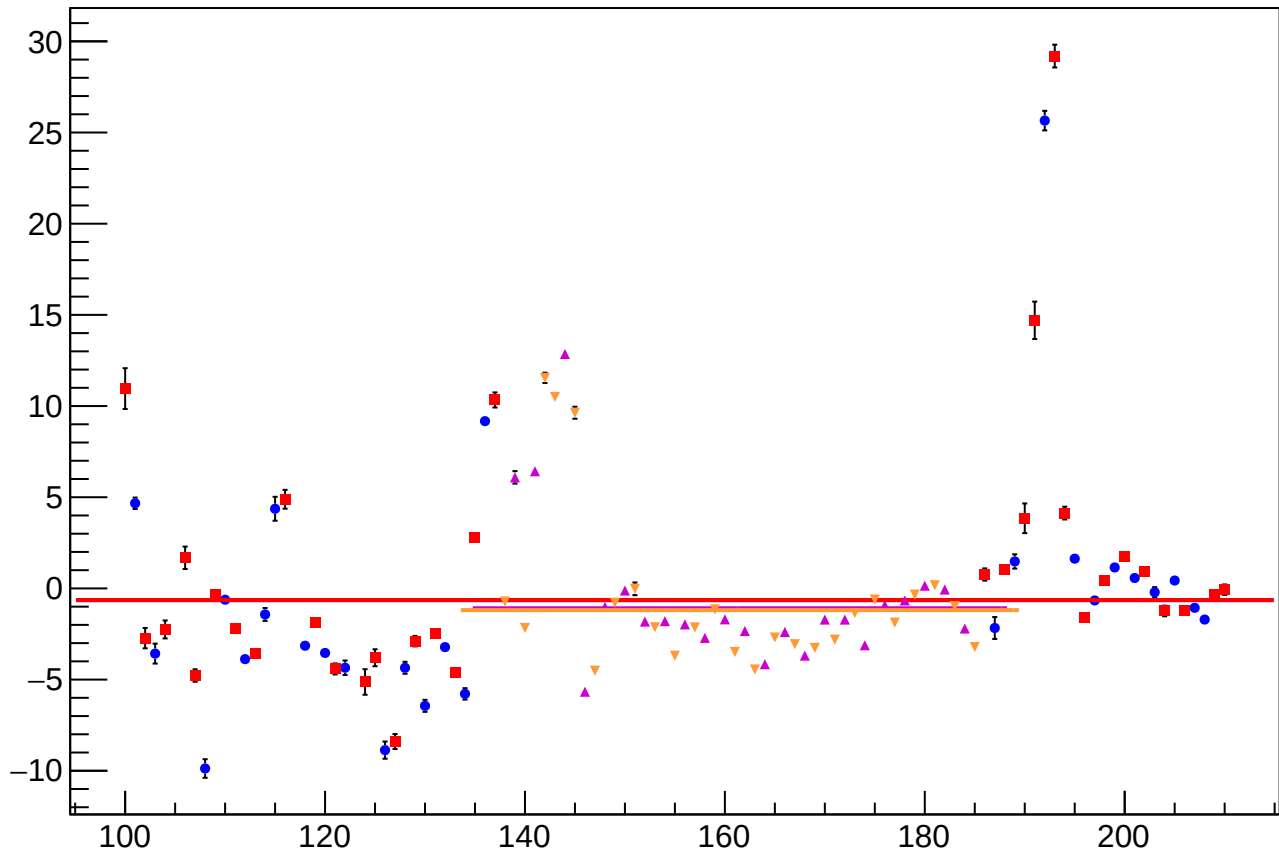
Left In: -0.843 ± 0.040 χ^2/NDF : 127135.3/22

+ sign -1.493 ± 0.029 χ^2/NDF : 286585.2/51

All: -1.244 ± 0.020 χ^2/NDF : 532407.8/107

- sign -1.033 ± 0.027 χ^2/NDF : 245686.0/55

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.647 ± 0.055 χ^2/NDF : 7289.9/26

Left Out: -1.190 ± 0.037 χ^2/NDF : 6995.9/24

Right Out: -0.635 ± 0.051 χ^2/NDF : 5590.2/32

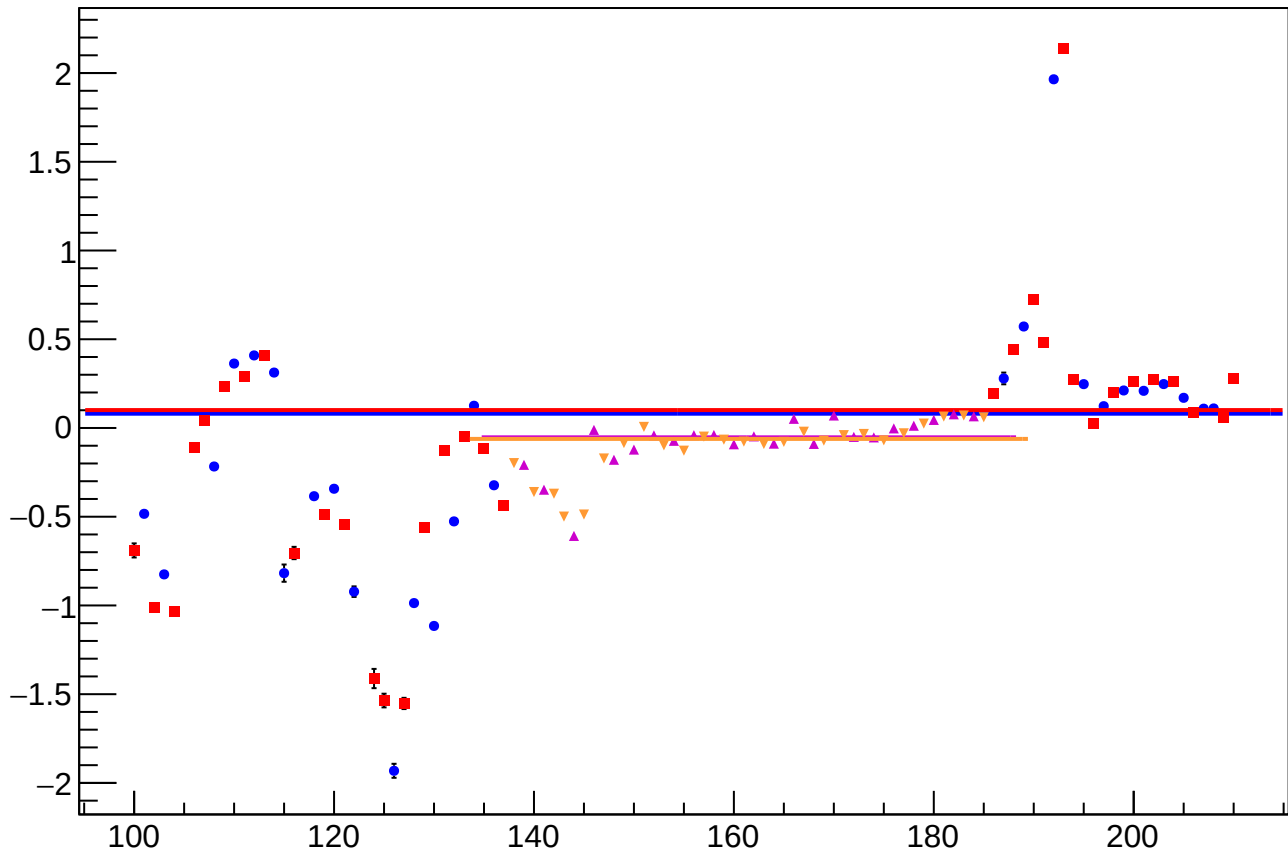
Left In: -1.089 ± 0.036 χ^2/NDF : 6840.8/22

+ sign -1.019 ± 0.031 χ^2/NDF : 14353.7/51

All: -0.977 ± 0.021 χ^2/NDF : 26842.2/107

- sign -0.939 ± 0.029 χ^2/NDF : 12484.8/55

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.080 $\pm$ 0.002 χ^2 /NDF: 33541.3/26

Left Out: -0.062 $\pm$ 0.002 χ^2 /NDF: 5563.5/24

Right Out: 0.101 $\pm$ 0.002 χ^2 /NDF: 34676.8/32

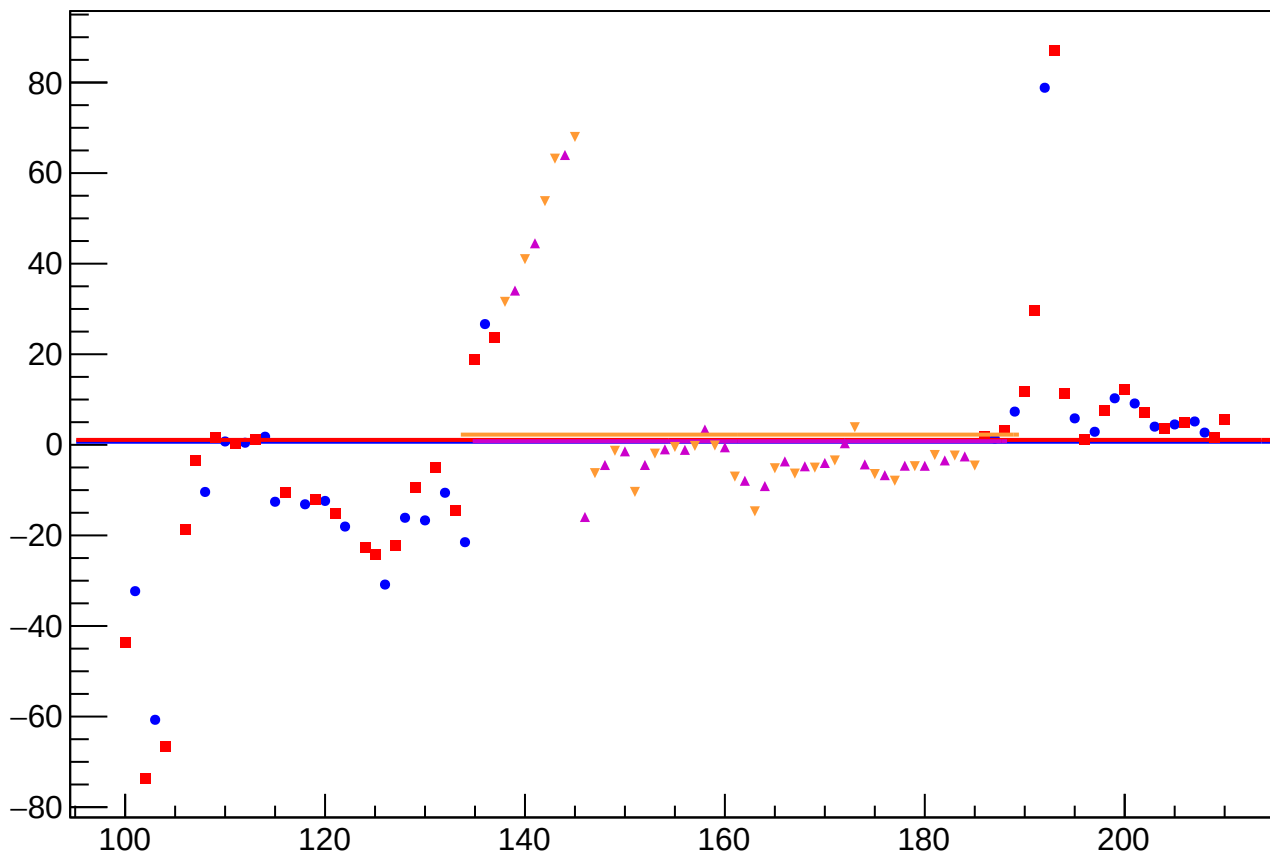
Left In: -0.053 $\pm$ 0.002 χ^2 /NDF: 5036.0/22

+ sign -0.018 $\pm$ 0.001 χ^2 /NDF: 41496.1/51

All: -0.011 $\pm$ 0.001 χ^2 /NDF: 84351.4/107

- sign -0.006 $\pm$ 0.001 χ^2 /NDF: 42813.9/55

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 0.682 ± 0.040 χ^2/NDF : 116550.1/26

Left Out: 2.255 ± 0.041 χ^2/NDF : 171671.4/24

Right Out: 1.088 ± 0.035 χ^2/NDF : 118245.7/32

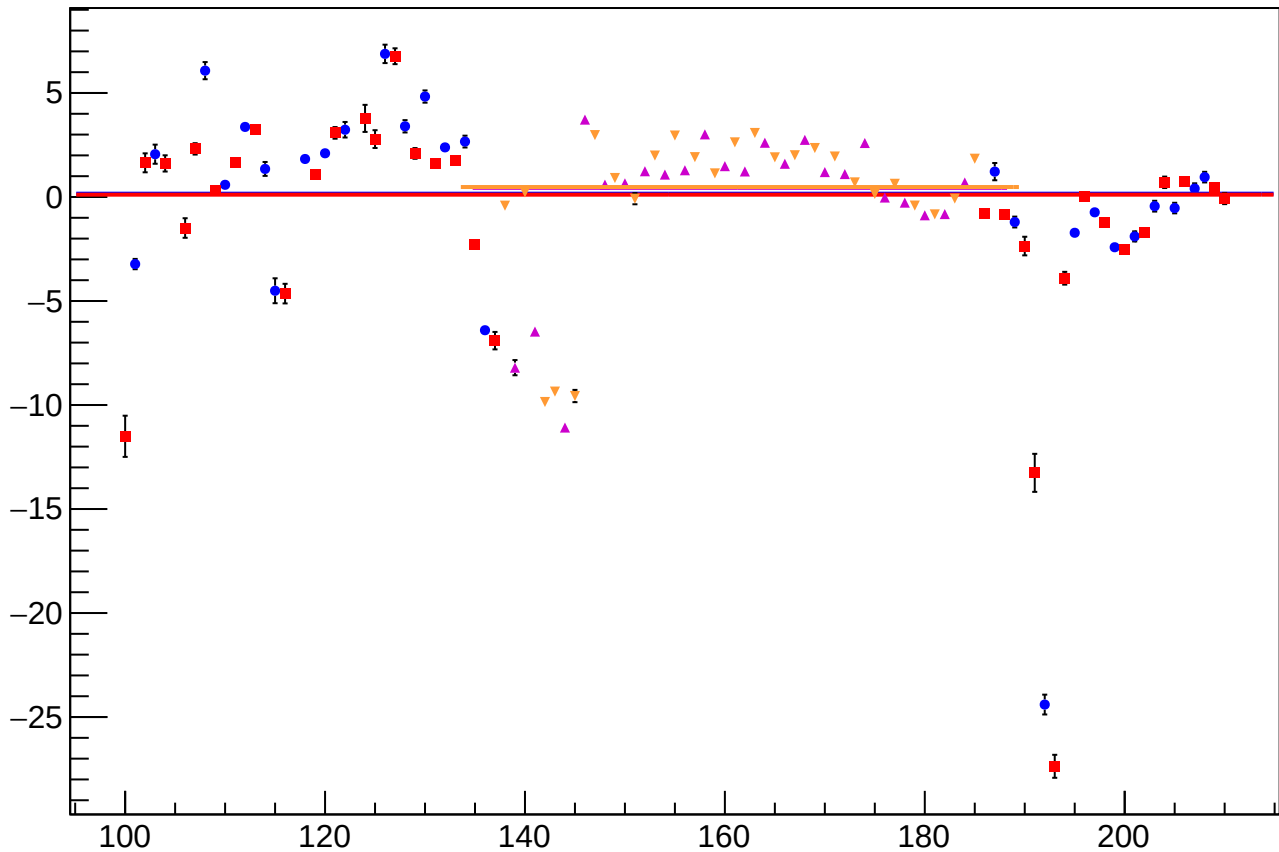
Left In: 0.794 ± 0.041 χ^2/NDF : 128828.3/22

+ sign 1.448 ± 0.029 χ^2/NDF : 288958.4/51

All: 1.186 ± 0.020 χ^2/NDF : 536213.0/107

- sign 0.965 ± 0.027 χ^2/NDF : 247103.8/55

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.159 $\pm$ 0.048 χ^2 /NDF: 5789.4/26

Left Out: 0.479 $\pm$ 0.034 χ^2 /NDF: 6808.1/24

Right Out: 0.112 $\pm$ 0.044 χ^2 /NDF: 4975.5/32

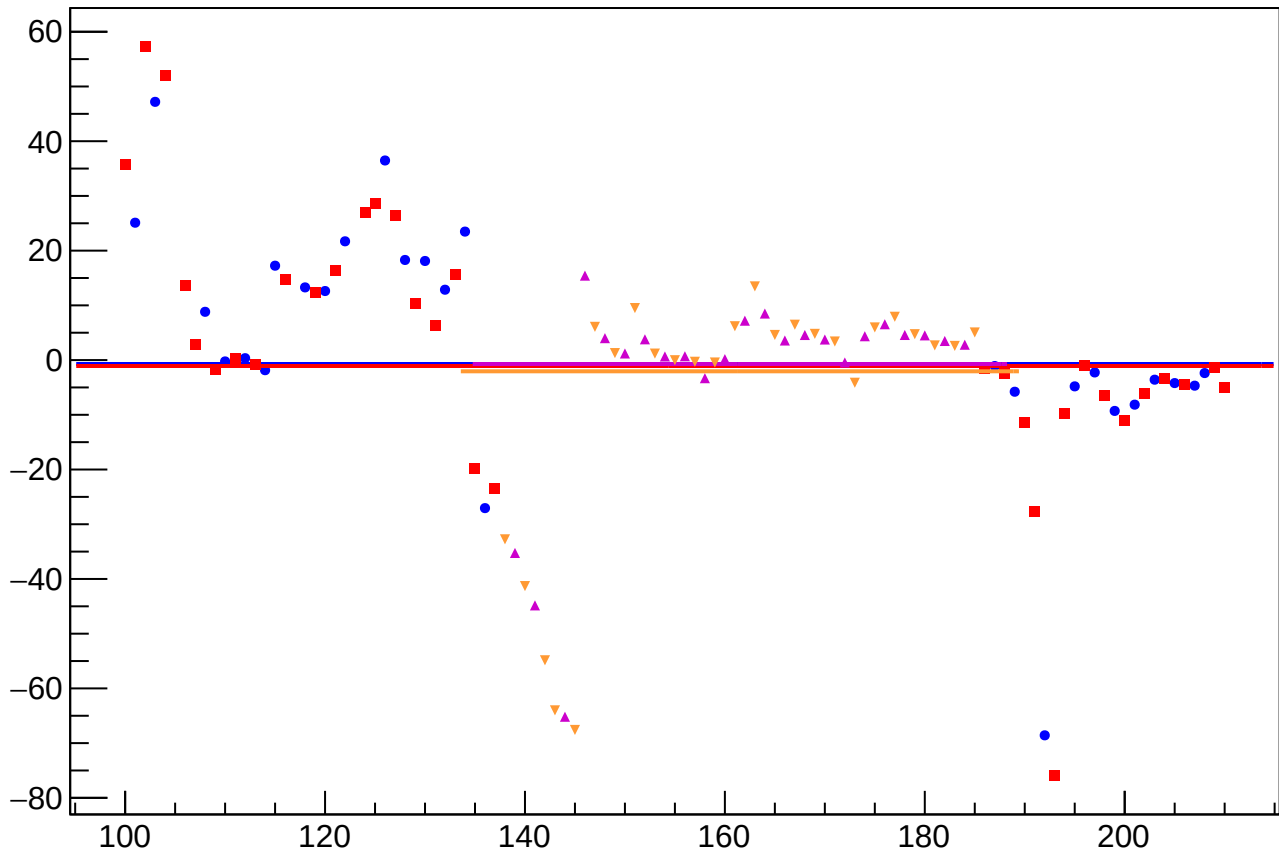
Left In: 0.440 $\pm$ 0.032 χ^2 /NDF: 6893.7/22

+ sign 0.372 $\pm$ 0.028 χ^2 /NDF: 12627.4/51

All: 0.347 $\pm$ 0.019 χ^2 /NDF: 24533.8/107

- sign 0.325 $\pm$ 0.026 χ^2 /NDF: 11904.9/55

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -0.717 ± 0.041 χ^2/NDF : 115332.8/26

Left Out: -2.051 ± 0.041 χ^2/NDF : 166009.6/24

Right Out: -1.079 ± 0.036 χ^2/NDF : 116359.4/32

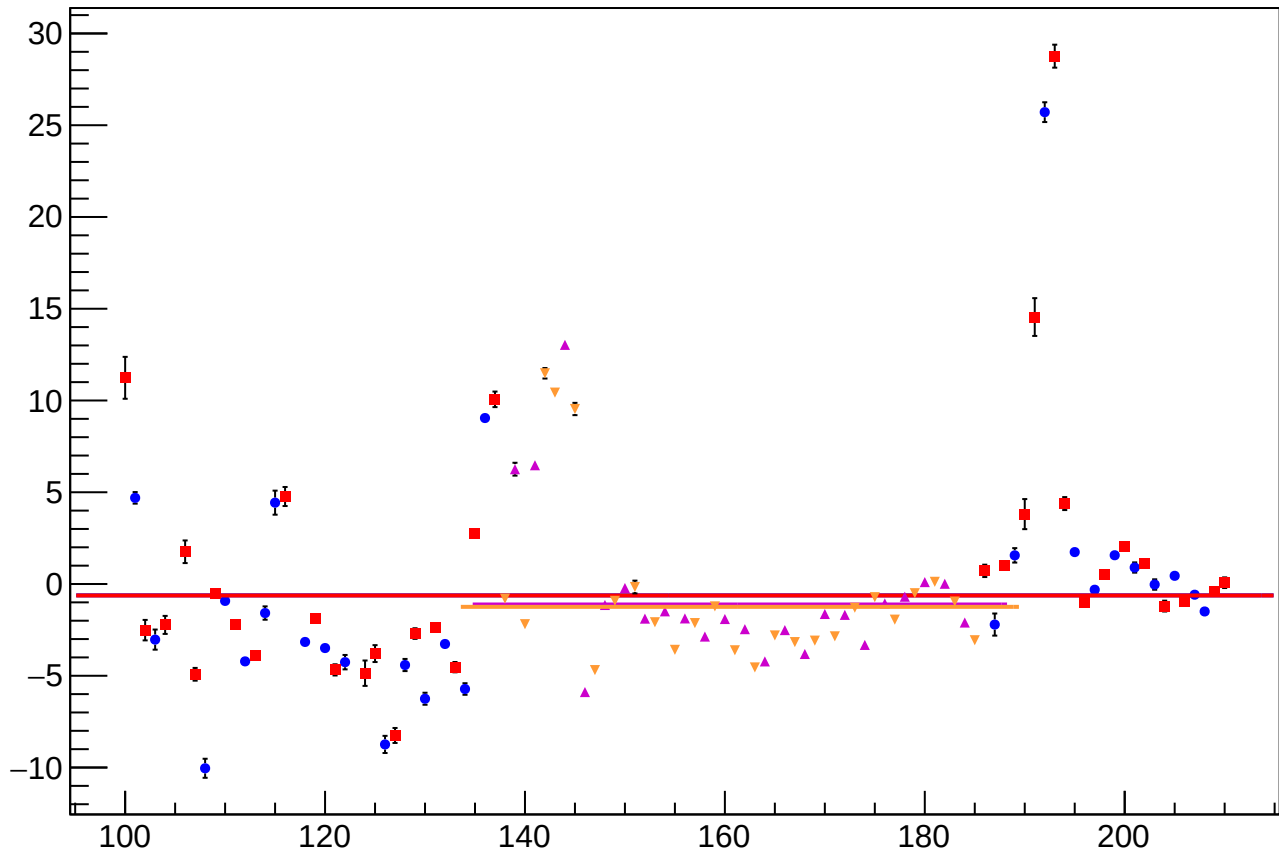
Left In: -0.720 ± 0.041 χ^2/NDF : 125531.3/22

+ sign -1.385 ± 0.029 χ^2/NDF : 281859.7/51

All: -1.133 ± 0.020 χ^2/NDF : 523929.8/107

- sign -0.920 ± 0.027 χ^2/NDF : 241934.4/55

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.618 ± 0.055 χ^2/NDF : 7179.7/26

Left Out: -1.244 ± 0.037 χ^2/NDF : 6768.7/24

Right Out: -0.625 ± 0.051 χ^2/NDF : 5462.6/32

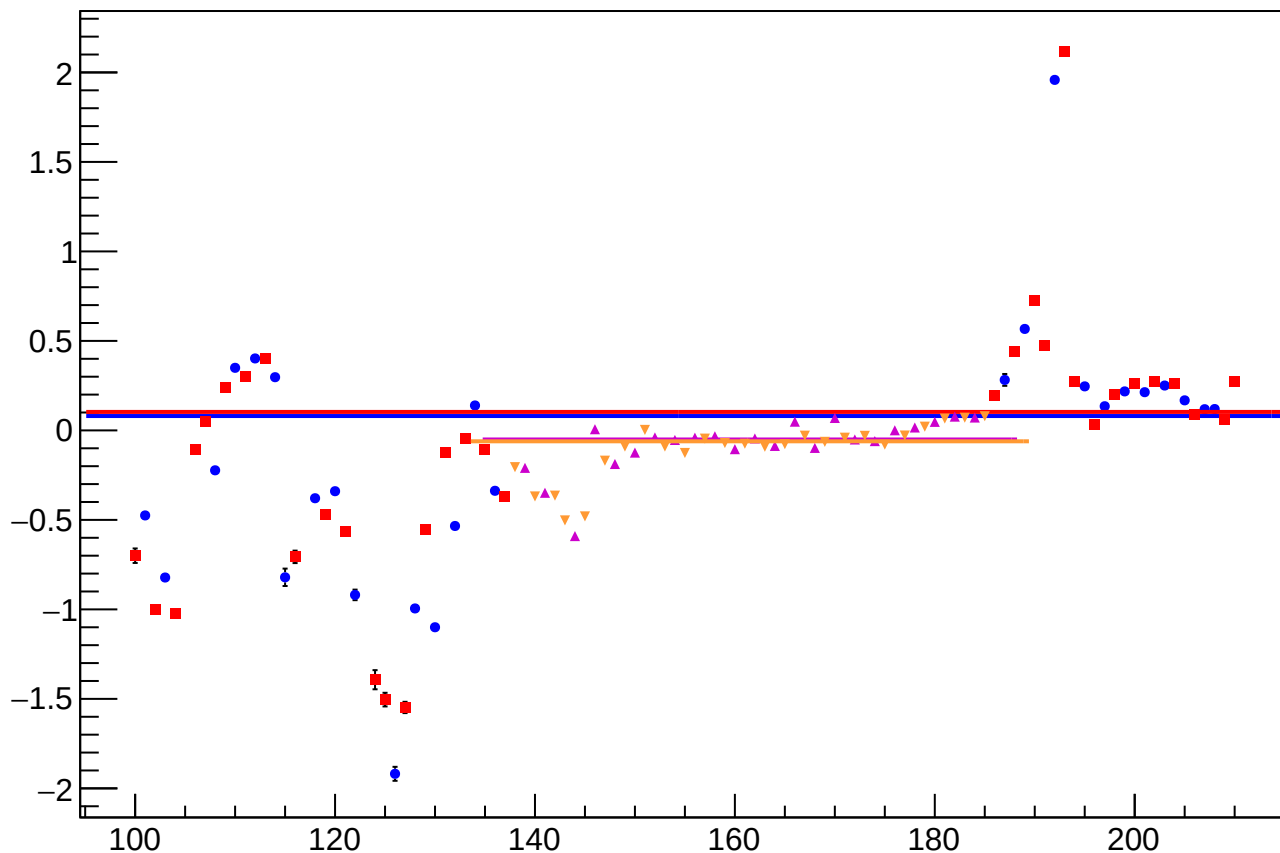
Left In: -1.117 ± 0.036 χ^2/NDF : 6840.3/22

+ sign -1.048 ± 0.031 χ^2/NDF : 14036.7/51

All: -1.000 ± 0.021 χ^2/NDF : 26405.6/107

- sign -0.956 ± 0.029 χ^2/NDF : 12364.3/55

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.080 ± 0.002 χ^2/NDF : 33209.8/26

Left Out: -0.061 ± 0.002 χ^2/NDF : 5479.8/24

Right Out: 0.103 ± 0.002 χ^2/NDF : 33739.1/32

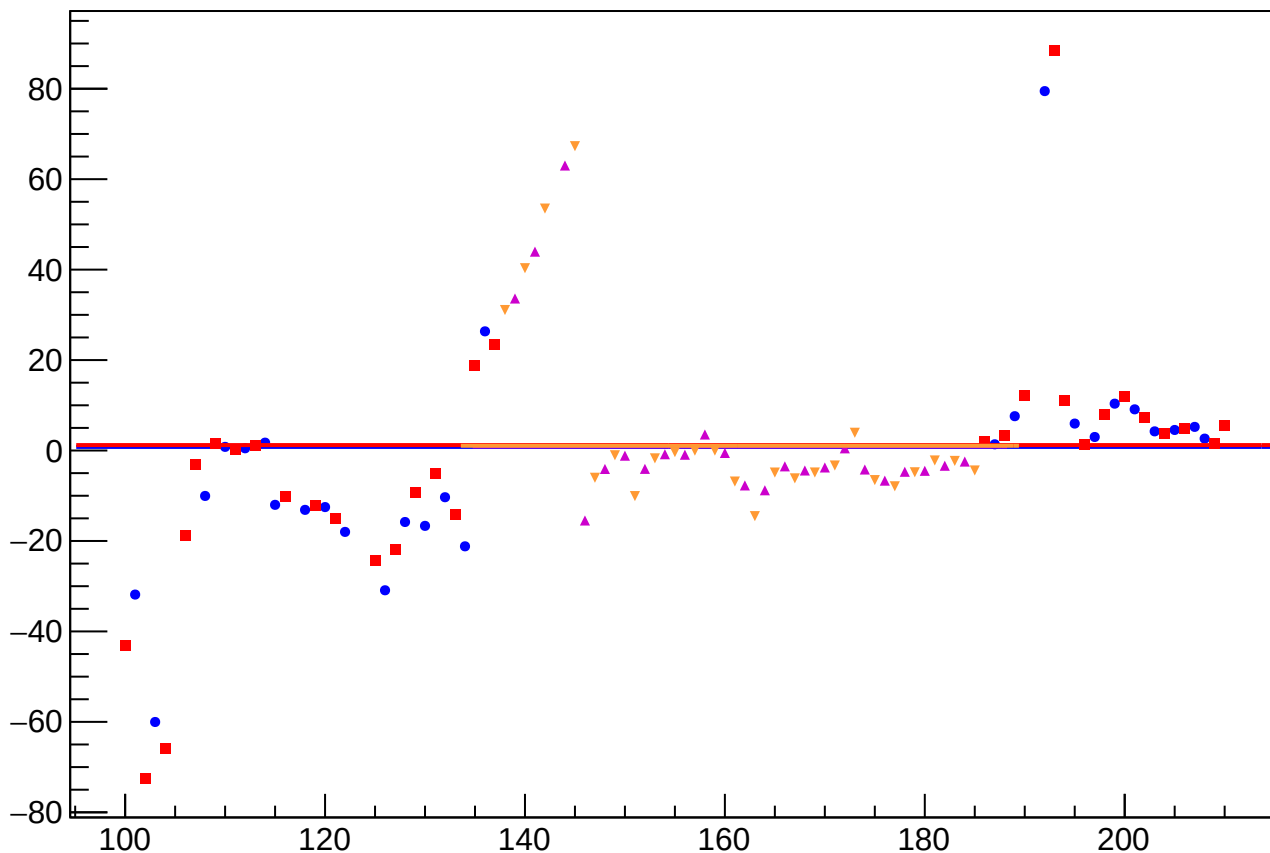
Left In: -0.051 ± 0.002 χ^2/NDF : 4878.7/22

+ sign -0.017 ± 0.001 χ^2/NDF : 40997.9/51

All: -0.010 ± 0.001 χ^2/NDF : 82700.0/107

- sign -0.004 ± 0.001 χ^2/NDF : 41649.7/55

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.798+/-0.039 χ^2/NDF : 120320.3/26

Left Out: 1.053+/-0.041 χ^2/NDF :131031.0/23

Right Out: 1.204+/-0.033 χ^2/NDF : 119342.9/30

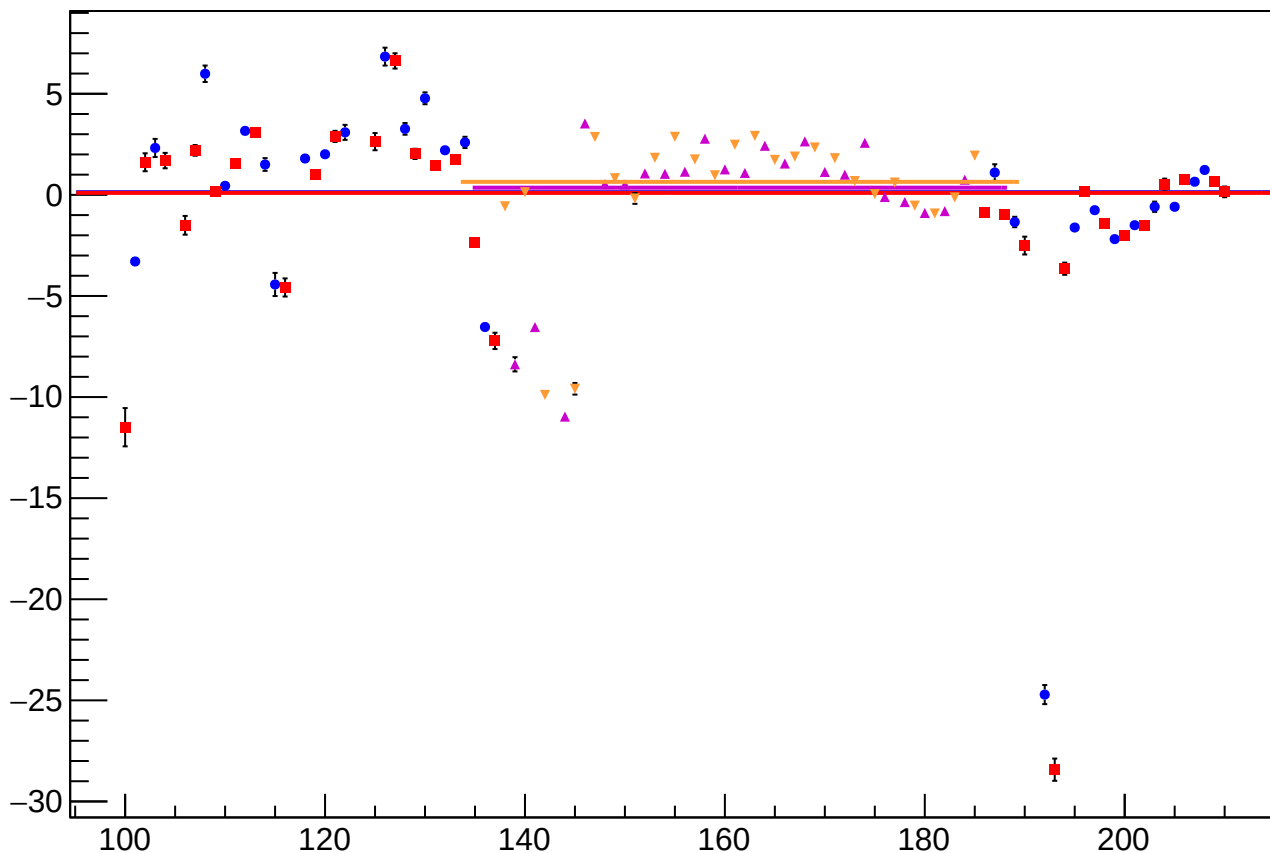
Left In: 0.913+/-0.040 χ^2/NDF :132807.5/22

+ sign 0.921+/-0.028 χ^2/NDF : 251371.8/50

All: 1.010+/-0.019 χ^2/NDF : 503572.0/104

- sign 1.084+/-0.026 χ^2/NDF : 252181.9/53

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.132 $\pm$ 0.046 χ^2 /NDF: 5989.5/26

Left Out: 0.644 $\pm$ 0.033 χ^2 /NDF: 4711.1/23

Right Out: 0.099 $\pm$ 0.043 χ^2 /NDF: 4998.2/30

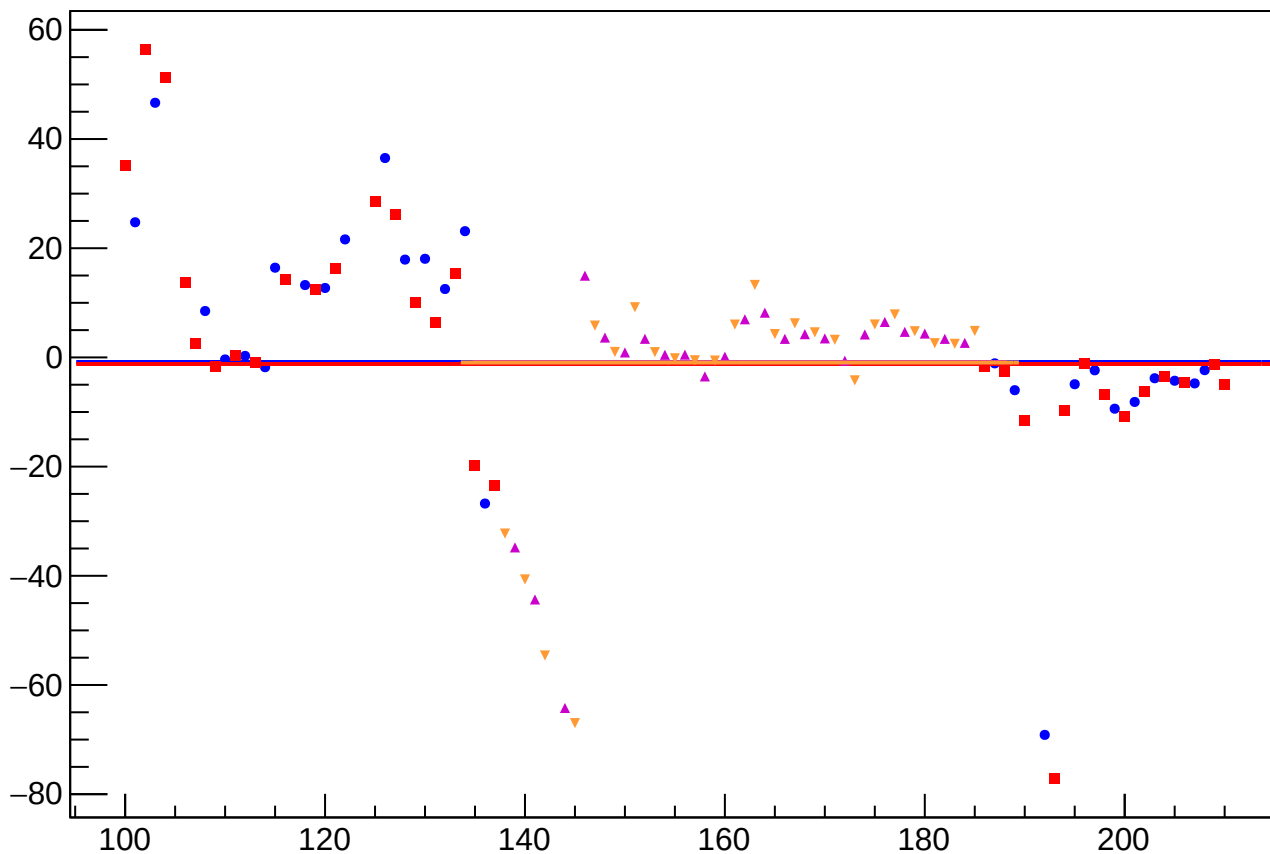
Left In: 0.355 $\pm$ 0.031 χ^2 /NDF: 7117.0/22

+ sign 0.470 $\pm$ 0.027 χ^2 /NDF: 10781.1/50

All: 0.362 $\pm$ 0.018 χ^2 /NDF: 22949.5/104

- sign 0.267 $\pm$ 0.025 χ^2 /NDF: 12138.3/53

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.842 ± 0.040 χ^2/NDF : 119079.3/26

Left Out: -0.929 ± 0.041 χ^2/NDF : 126378.7/23

Right Out: -1.200 ± 0.035 χ^2/NDF : 117525.1/30

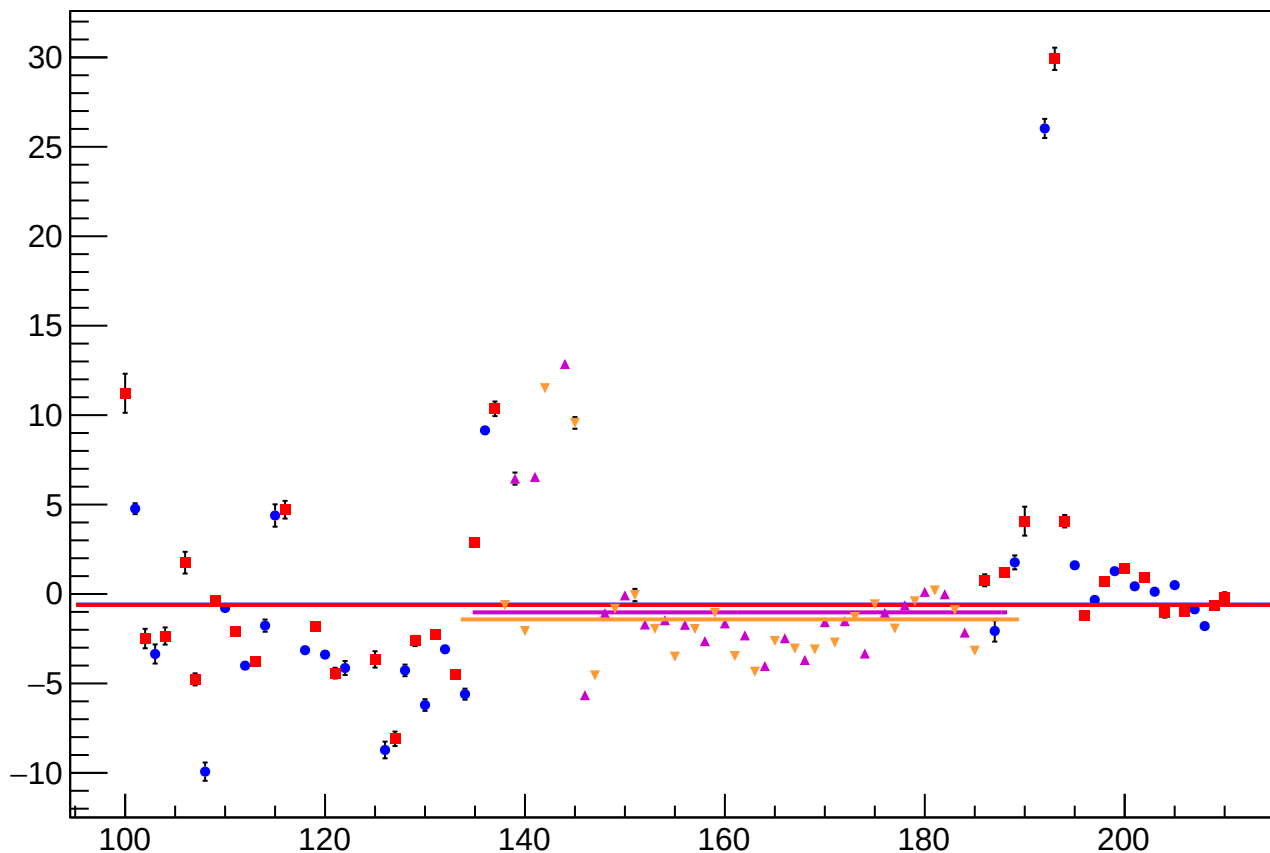
Left In: -0.860 ± 0.039 χ^2/NDF : 129485.0/22

+ sign -0.885 ± 0.029 χ^2/NDF : 245460.3/50

All: -0.974 ± 0.019 χ^2/NDF : 492529.8/104

- sign -1.049 ± 0.026 χ^2/NDF : 247051.7/53

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.592 ± 0.054 χ^2/NDF : 7472.7/26

Left Out: -1.420 ± 0.037 χ^2/NDF : 4642.0/23

Right Out: -0.611 ± 0.050 χ^2/NDF : 5507.7/30

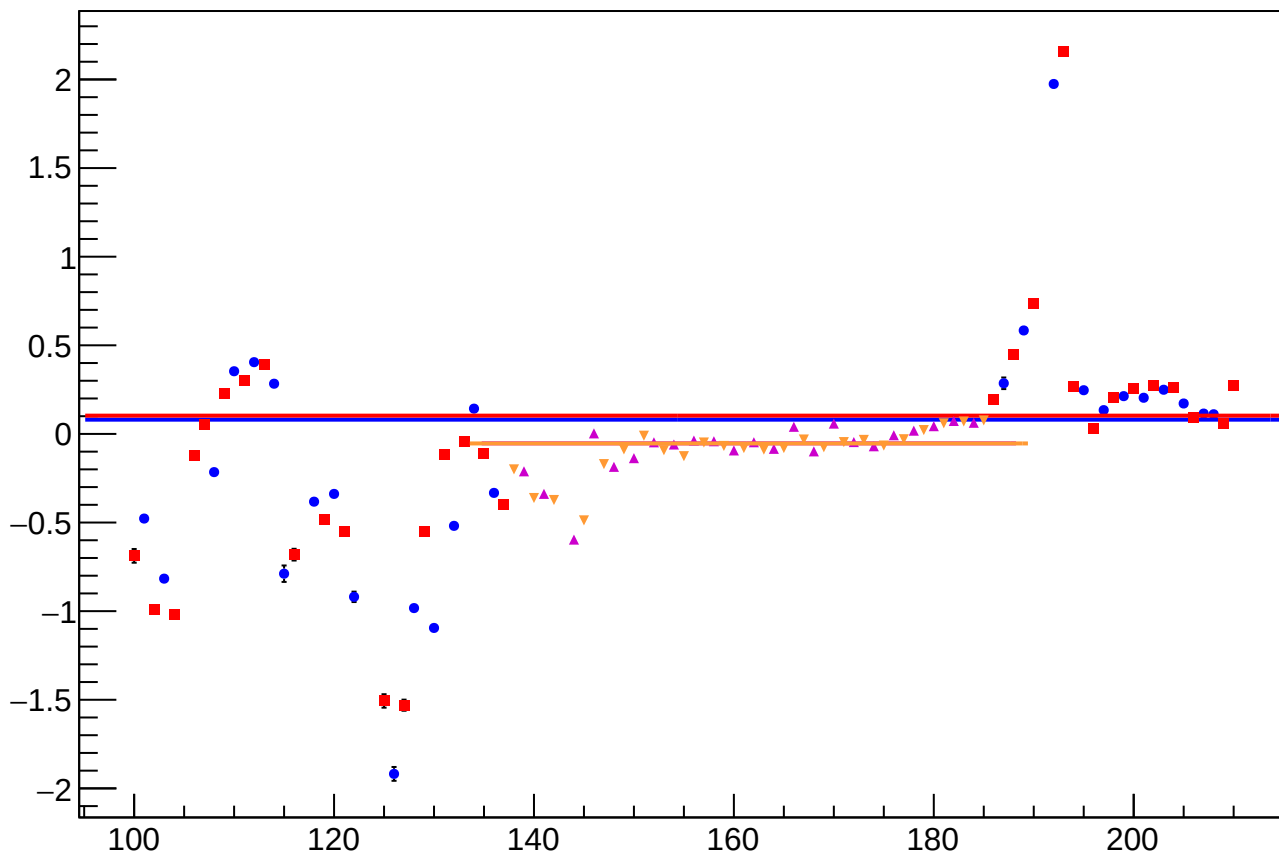
Left In: -1.026 ± 0.035 χ^2/NDF : 7047.1/22

+ sign -1.157 ± 0.030 χ^2/NDF : 12276.9/50

All: -1.016 ± 0.021 χ^2/NDF : 24919.2/104

- sign -0.891 ± 0.029 χ^2/NDF : 12601.3/53

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.080+/-0.002 χ^2/NDF : 34331.8/26

Left Out: -0.054+/-0.002 χ^2/NDF : 4340.0/23

Right Out: 0.103+/-0.002 χ^2/NDF : 34198.7/30

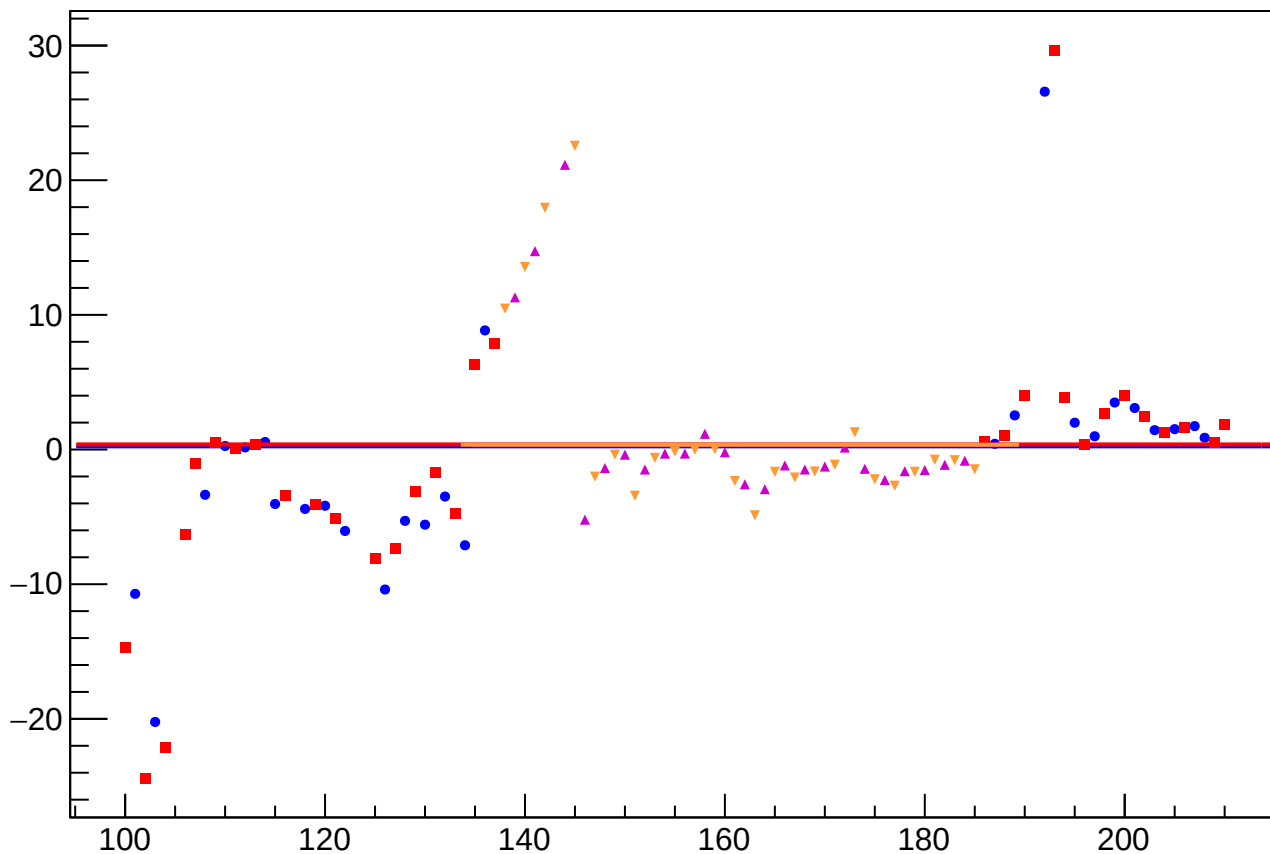
Left In: -0.053+/-0.001 χ^2/NDF : 5009.7/22

+ sign -0.012+/-0.001 χ^2/NDF : 40866.9/50

All: -0.009+/-0.001 χ^2/NDF : 83389.0/104

- sign -0.006+/-0.001 χ^2/NDF : 42511.9/53

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: 0.237 $\pm$ 0.013 χ^2 /NDF: 118238.7/26

Left Out: 0.359 $\pm$ 0.014 χ^2 /NDF:128829.7/23

Right Out: 0.382 $\pm$ 0.012 χ^2 /NDF: 117468.3/30

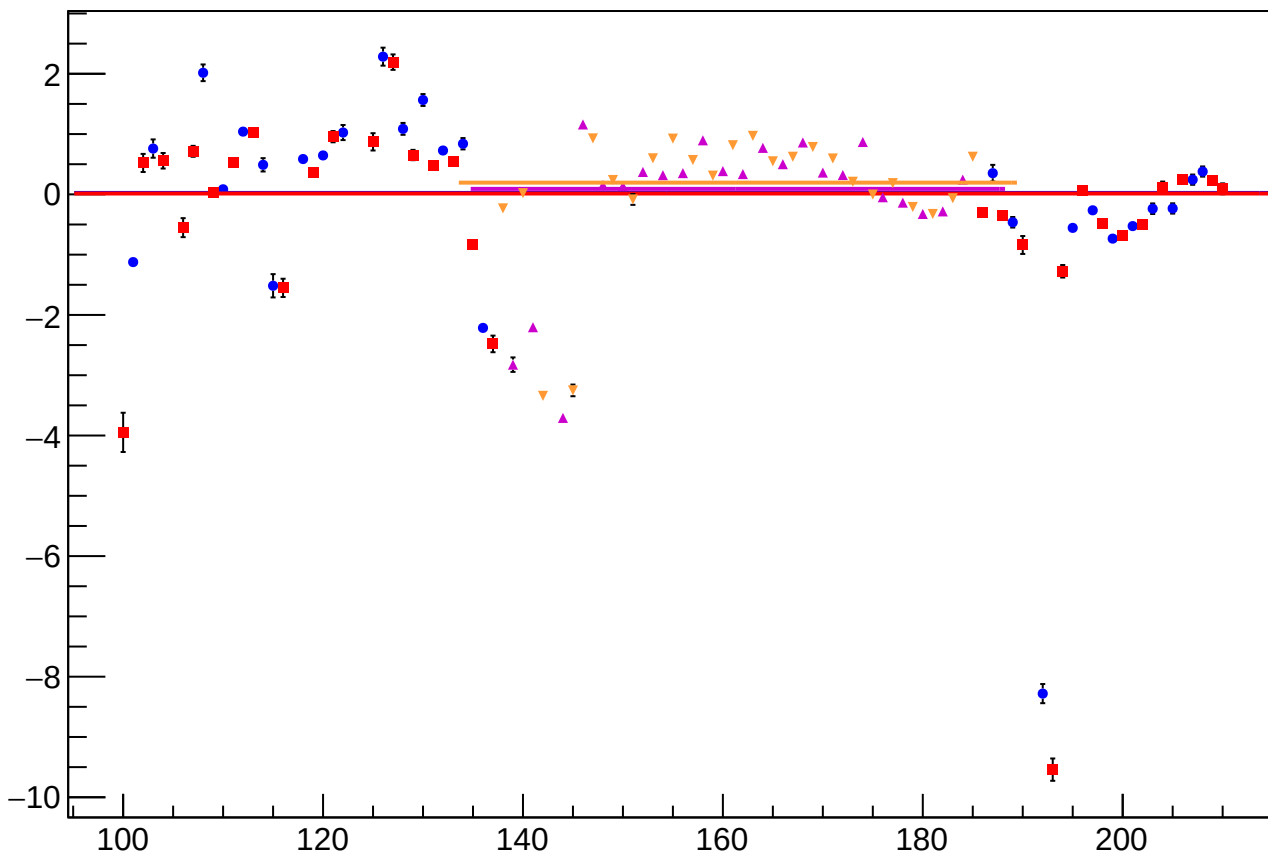
Left In: 0.317 $\pm$ 0.014 χ^2 /NDF:130224.2/22

+ sign 0.296 $\pm$ 0.010 χ^2 /NDF: 247108.4/50

All: 0.328 $\pm$ 0.007 χ^2 /NDF: 494834.2/104

- sign 0.355 $\pm$ 0.009 χ^2 /NDF: 247705.4/53

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.023 $\pm$ 0.016 χ^2 /NDF: 5861.9/26

Left Out: 0.194 $\pm$ 0.011 χ^2 /NDF: 4645.0/23

Right Out: 0.014 $\pm$ 0.015 χ^2 /NDF: 4905.8/30

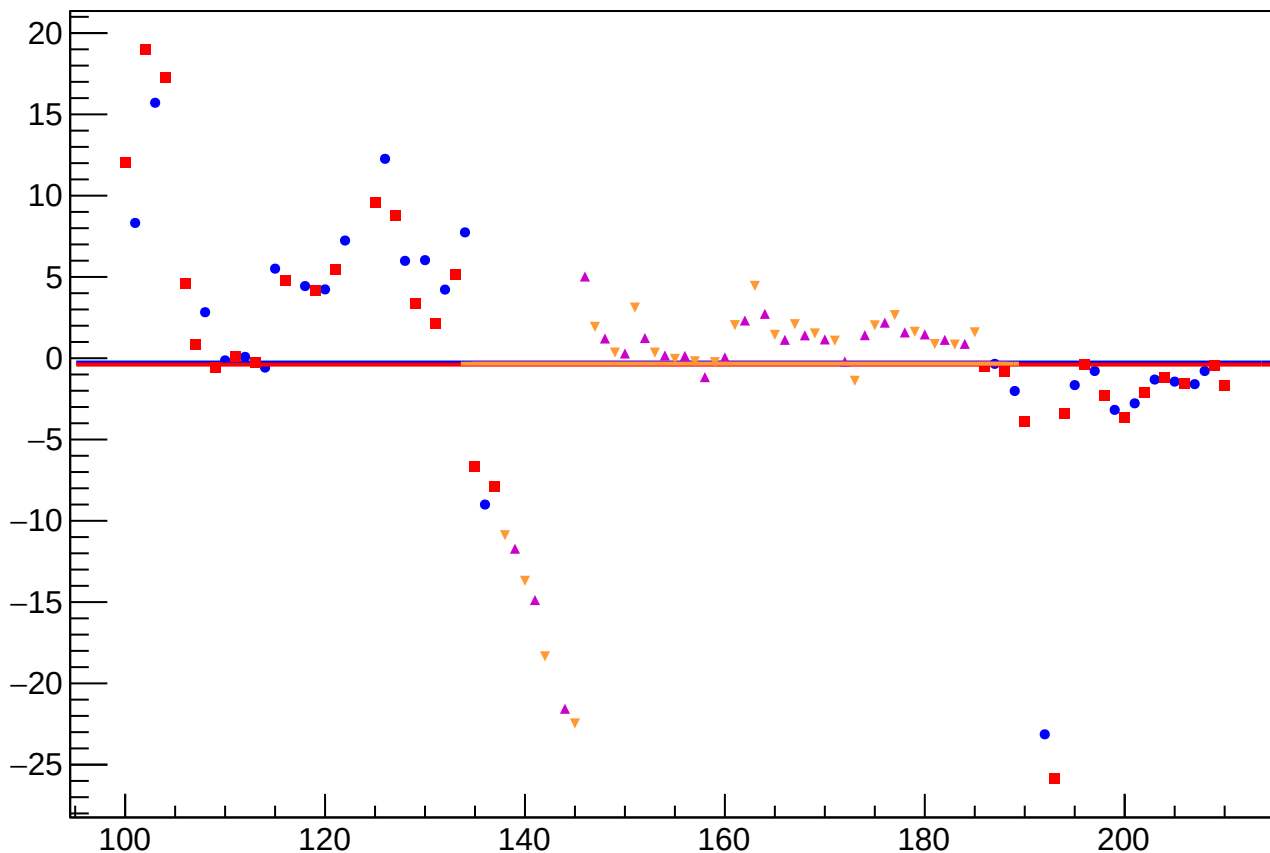
Left In: 0.091 $\pm$ 0.011 χ^2 /NDF: 6936.4/22

+ sign 0.137 $\pm$ 0.009 χ^2 /NDF: 10583.6/50

All: 0.099 $\pm$ 0.006 χ^2 /NDF: 22475.8/104

- sign 0.065 $\pm$ 0.009 χ^2 /NDF: 11859.9/53

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: -0.265 ± 0.014 χ^2/NDF : 117038.9/26

Left Out: -0.332 ± 0.014 χ^2/NDF : 124233.4/23

Right Out: -0.392 ± 0.012 χ^2/NDF : 115716.9/30

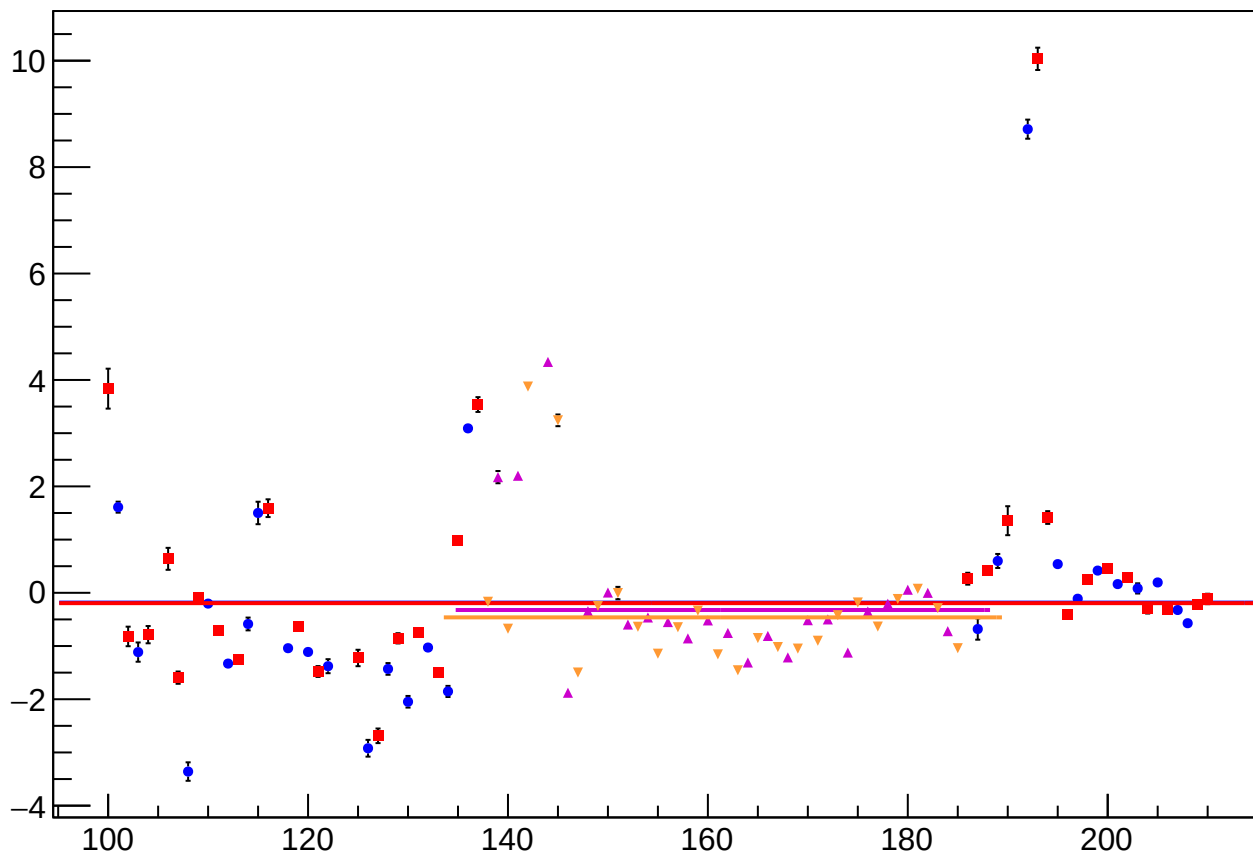
Left In: -0.314 ± 0.013 χ^2/NDF : 126999.2/22

+ sign -0.299 ± 0.010 χ^2/NDF : 241284.1/50

All: -0.331 ± 0.007 χ^2/NDF : 484038.5/104

- sign -0.357 ± 0.009 χ^2/NDF : 242735.0/53

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.184 ± 0.018 χ^2/NDF : 7316.1/26

Left Out: -0.462 ± 0.013 χ^2/NDF : 4580.0/23

Right Out: -0.194 ± 0.017 χ^2/NDF : 5410.1/30

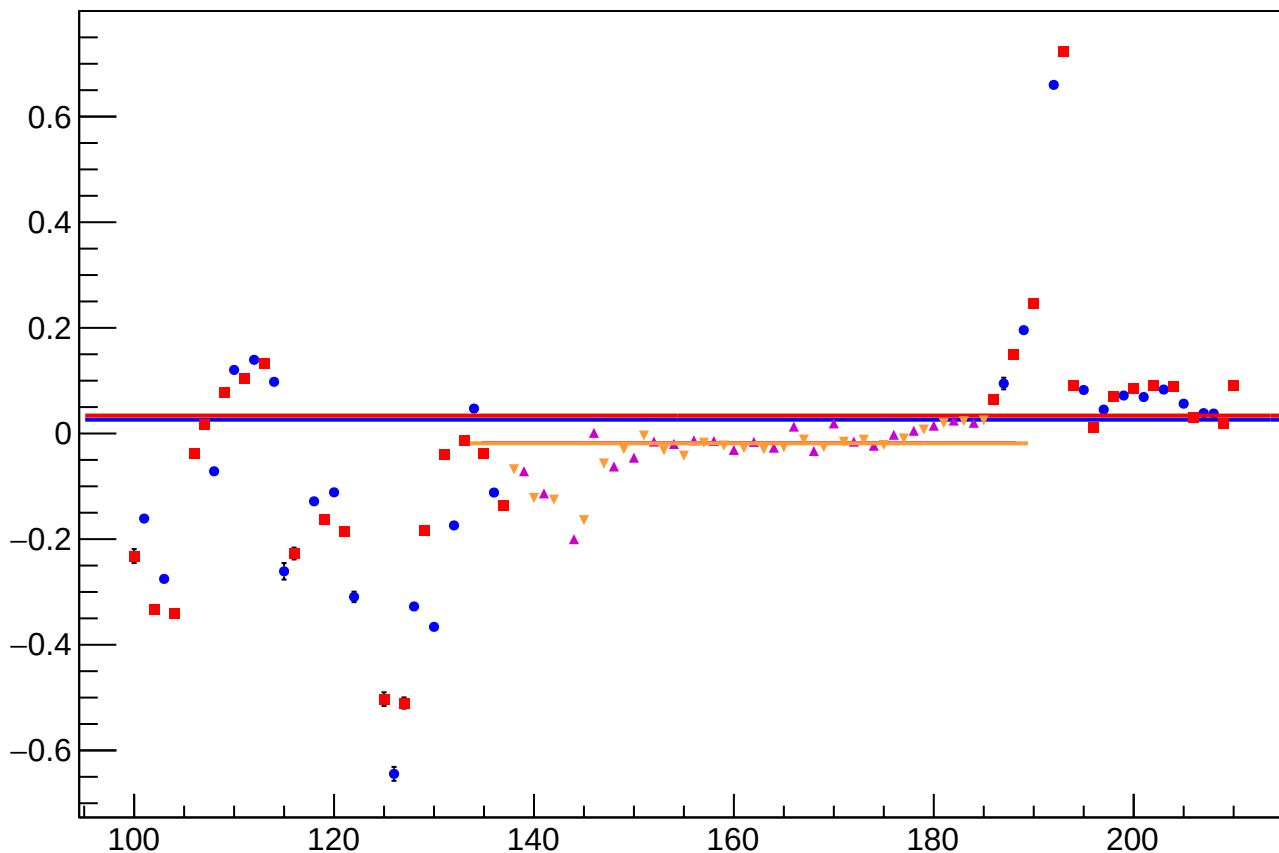
Left In: -0.323 ± 0.012 χ^2/NDF : 6881.8/22

+ sign -0.374 ± 0.010 χ^2/NDF : 12051.2/50

All: -0.325 ± 0.007 χ^2/NDF : 24423.4/104

- sign -0.281 ± 0.010 χ^2/NDF : 12329.9/53

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.026 $\pm$ 0.001 χ^2 /NDF: 33747.0/26

Left Out: -0.019 $\pm$ 0.001 χ^2 /NDF: 4227.5/23

Right Out: 0.034 $\pm$ 0.001 χ^2 /NDF: 33565.9/30

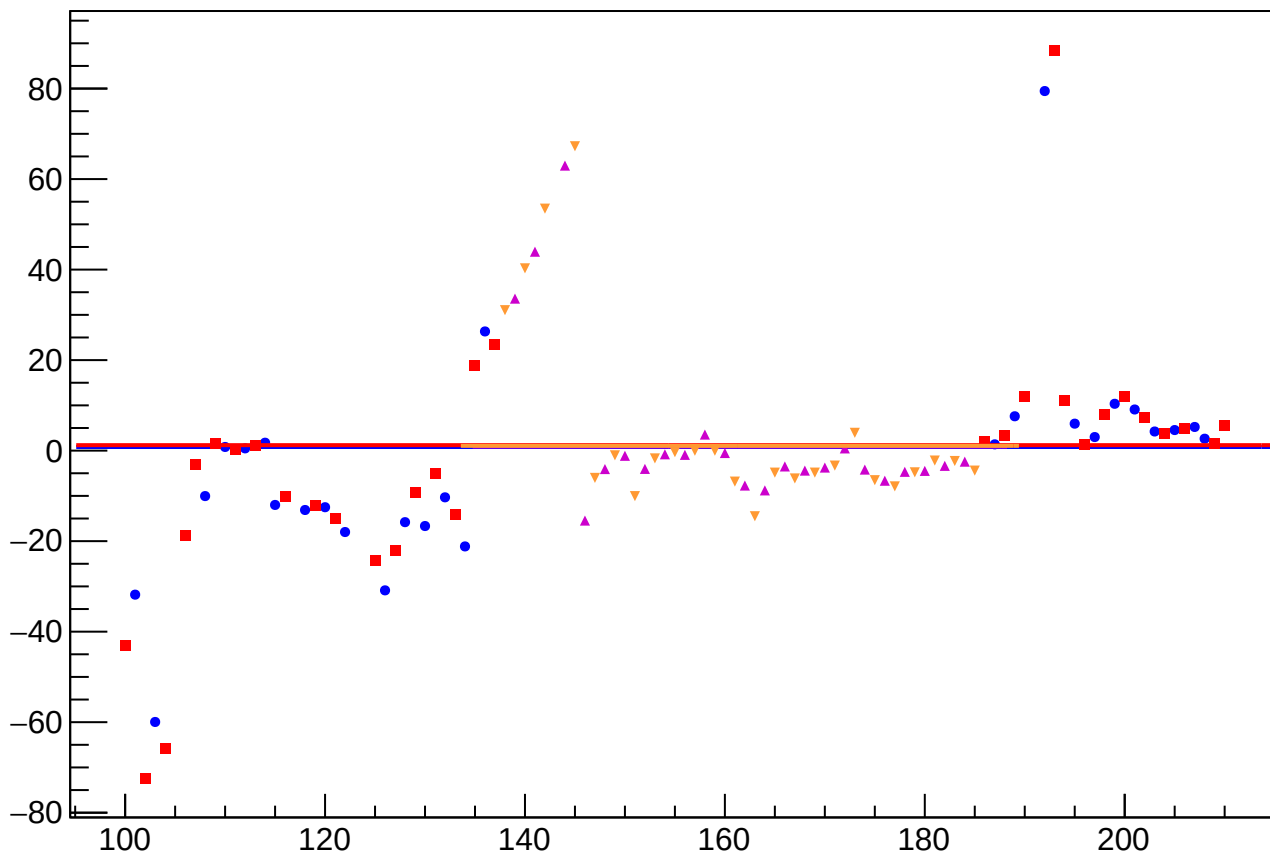
Left In: -0.018 $\pm$ 0.001 χ^2 /NDF: 4879.3/22

+ sign -0.005 $\pm$ 0.000 χ^2 /NDF: 40045.5/50

All: -0.004 $\pm$ 0.000 χ^2 /NDF: 81604.1/104

- sign -0.002 $\pm$ 0.000 χ^2 /NDF: 41544.4/53

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.804+/-0.039 χ^2/NDF : 120341.5/26

Left Out: 1.058+/-0.041 χ^2/NDF :131010.5/23

Right Out: 1.209+/-0.033 χ^2/NDF : 119364.6/30

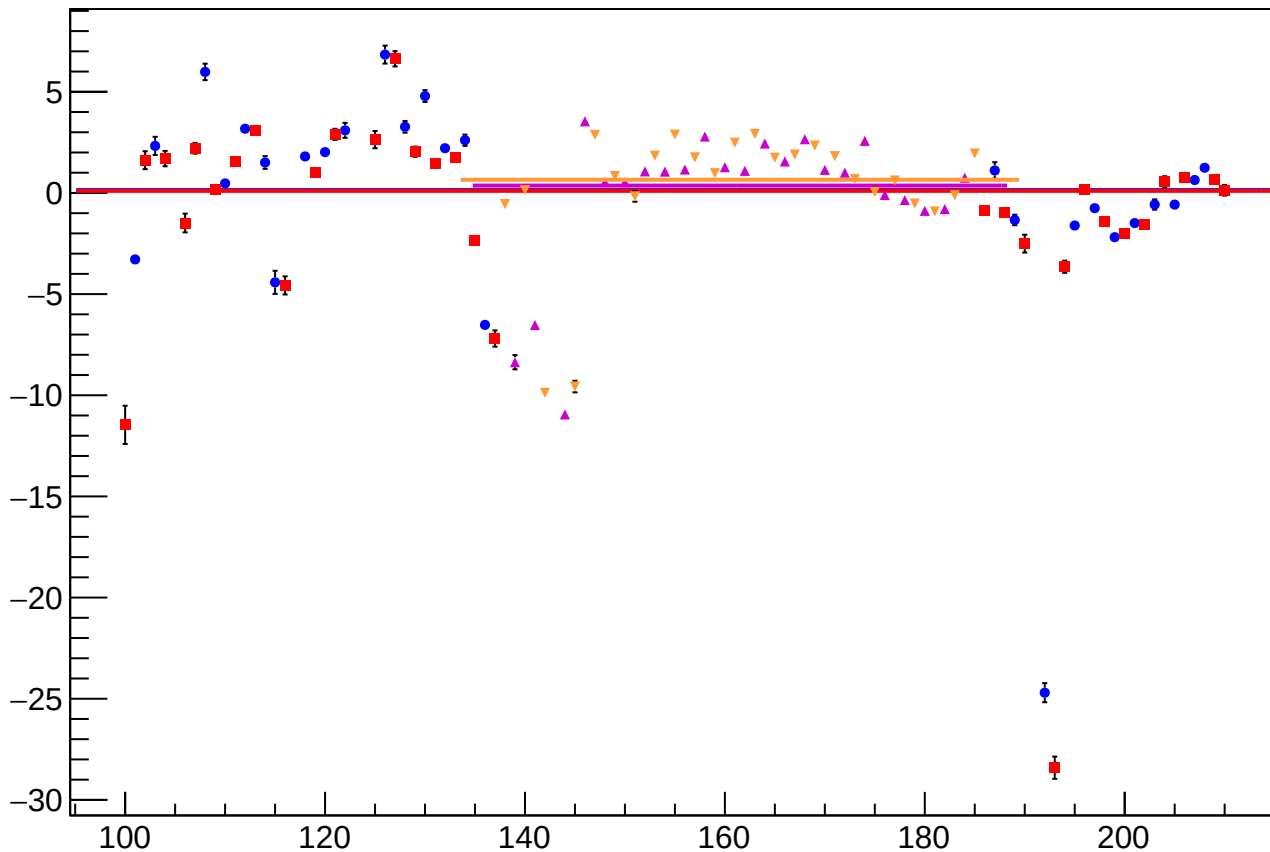
Left In: 0.915+/-0.040 χ^2/NDF :132816.1/22

+ sign 0.926+/-0.028 χ^2/NDF : 251372.3/50

All: 1.014+/-0.019 χ^2/NDF : 503603.0/104

- sign 1.087+/-0.026 χ^2/NDF : 252212.6/53

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.139 ± 0.046 χ^2/NDF : 5993.2/26

Left Out: 0.651 ± 0.033 χ^2/NDF : 4708.8/23

Right Out: 0.105 ± 0.043 χ^2/NDF : 4999.8/30

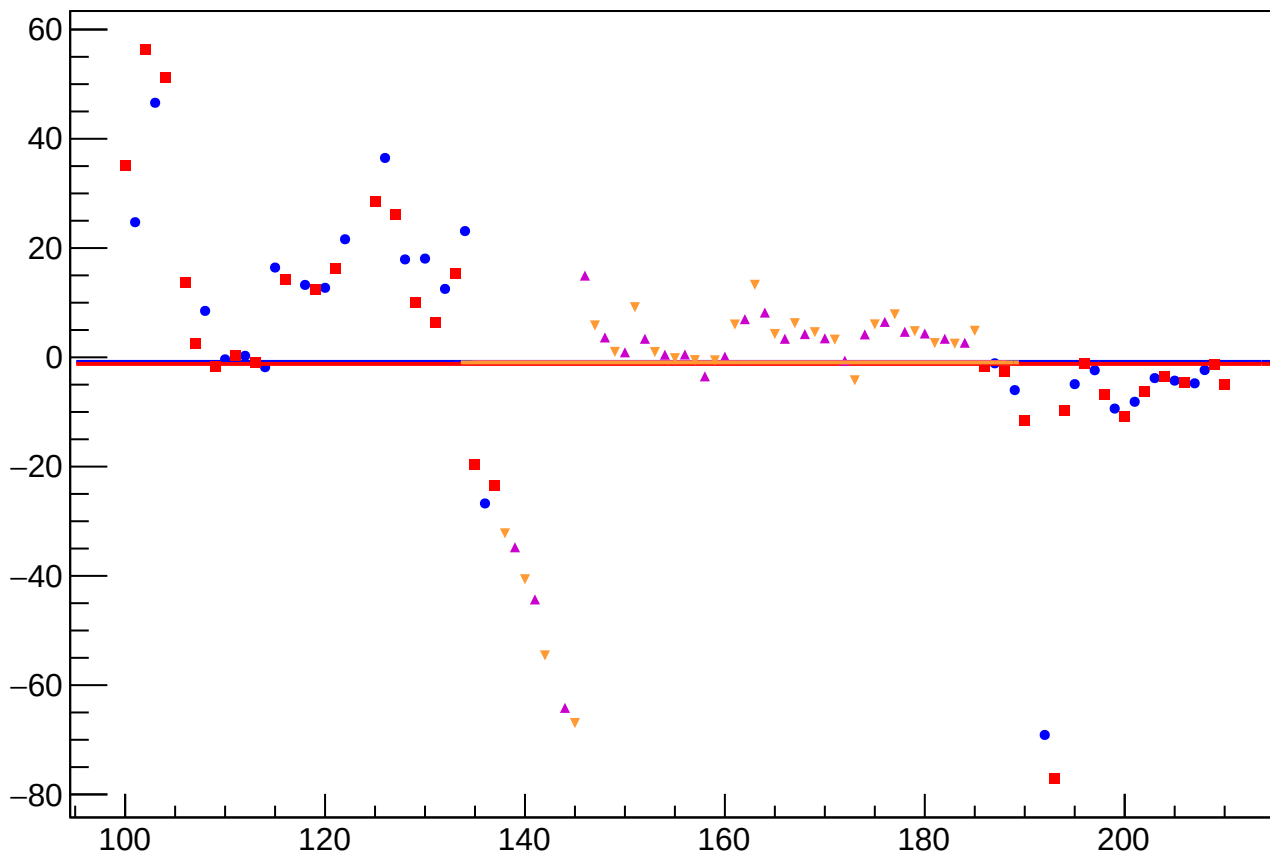
Left In: 0.364 ± 0.031 χ^2/NDF : 7122.4/22

+ sign 0.478 ± 0.027 χ^2/NDF : 10782.7/50

All: 0.370 ± 0.018 χ^2/NDF : 22958.6/104

- sign 0.275 ± 0.025 χ^2/NDF : 12145.8/53

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.843 ± 0.040 χ^2/NDF : 119098.0/26

Left Out: -0.927 ± 0.041 χ^2/NDF : 126360.1/23

Right Out: -1.200 ± 0.035 χ^2/NDF : 117541.4/30

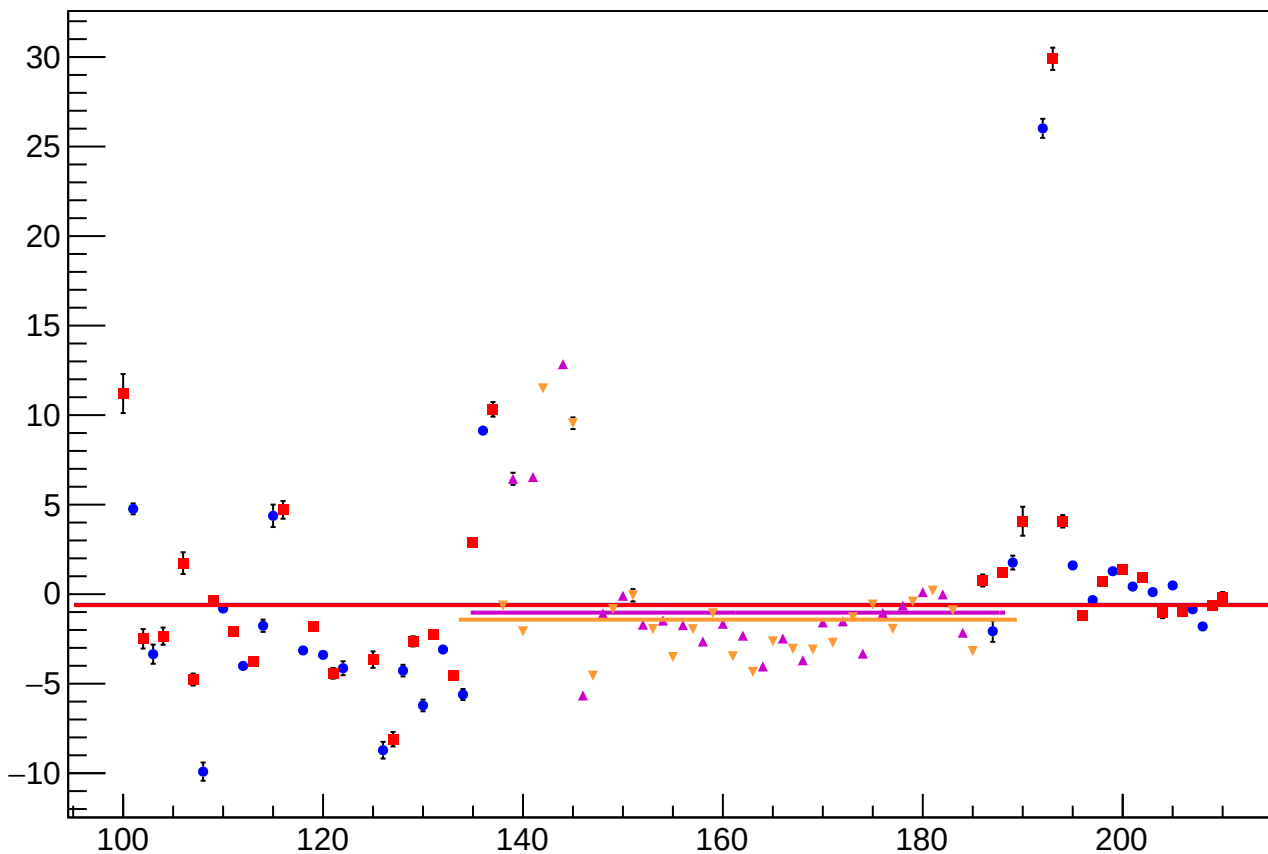
Left In: -0.858 ± 0.039 χ^2/NDF : 129490.8/22

+ sign -0.885 ± 0.029 χ^2/NDF : 245460.2/50

All: -0.973 ± 0.019 χ^2/NDF : 492552.4/104

- sign -1.047 ± 0.026 χ^2/NDF : 247074.6/53

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.598 ± 0.054 χ^2/NDF : 7475.7/26

Left Out: -1.425 ± 0.037 χ^2/NDF : 4639.6/23

Right Out: -0.614 ± 0.050 χ^2/NDF : 5508.0/30

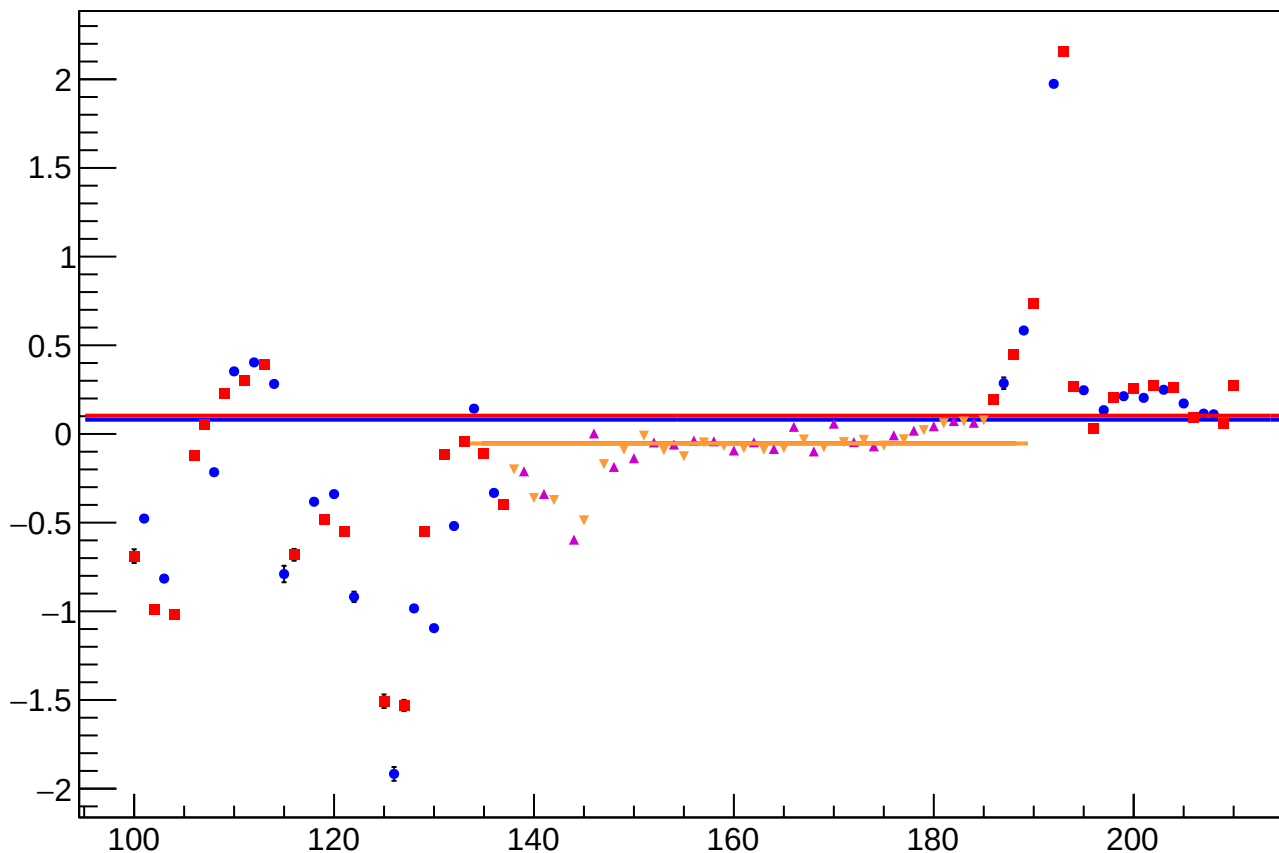
Left In: -1.032 ± 0.035 χ^2/NDF : 7051.3/22

+ sign -1.162 ± 0.030 χ^2/NDF : 12277.5/50

All: -1.021 ± 0.021 χ^2/NDF : 24925.2/104

- sign -0.896 ± 0.028 χ^2/NDF : 12606.7/53

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.080 $\pm$ 0.002 χ^2 /NDF: 34340.7/26

Left Out: -0.054 $\pm$ 0.002 χ^2 /NDF: 4341.2/23

Right Out: 0.103 $\pm$ 0.002 χ^2 /NDF: 34213.9/30

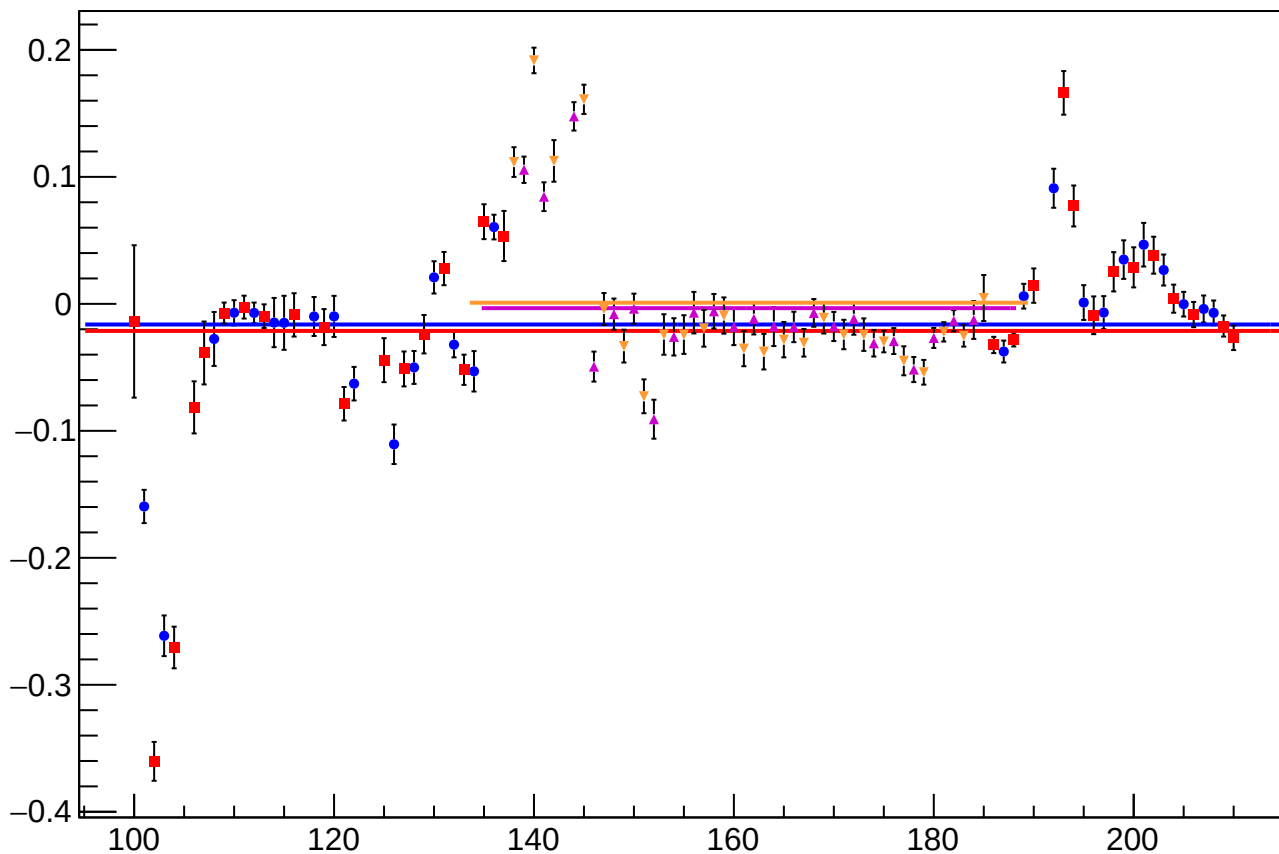
Left In: -0.053 $\pm$ 0.001 χ^2 /NDF: 5013.3/22

+ sign -0.012 $\pm$ 0.001 χ^2 /NDF: 40877.5/50

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 83425.4/104

- sign -0.006 $\pm$ 0.001 χ^2 /NDF: 42537.8/53

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.016 ± 0.002 χ^2/NDF : 595.6/26

Left Out: 0.001 ± 0.002 χ^2/NDF : 849.7/23

Right Out: -0.021 ± 0.002 χ^2/NDF : 1051.1/30

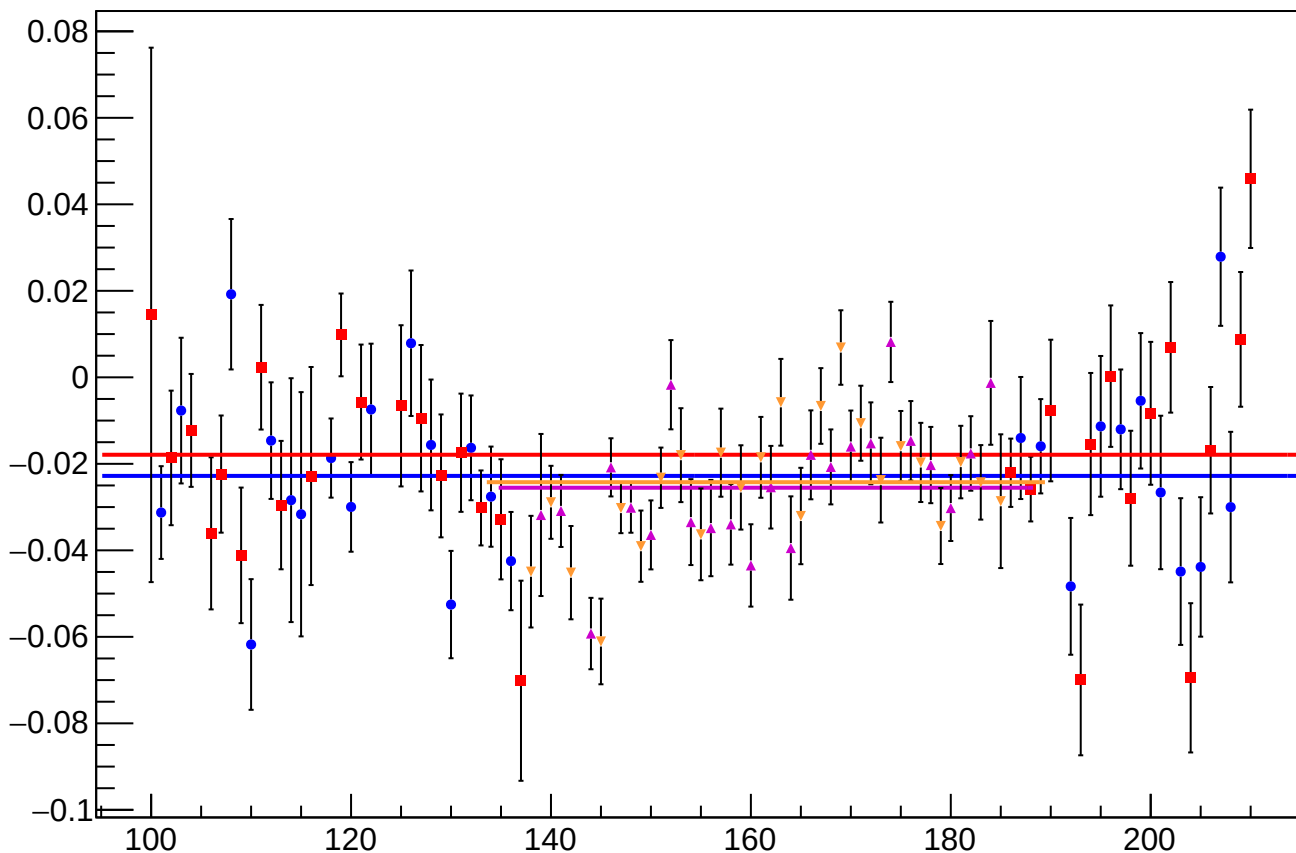
Left In: -0.003 ± 0.002 χ^2/NDF : 457.9/22

+ sign -0.008 ± 0.002 χ^2/NDF : 1471.4/50

All: -0.011 ± 0.001 χ^2/NDF : 3018.5/104

- sign -0.014 ± 0.002 χ^2/NDF : 1540.7/53

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.023 ± 0.003 χ^2/NDF : 48.3/26

Left Out: -0.024 ± 0.002 χ^2/NDF : 53.7/23

Right Out: -0.018 ± 0.002 χ^2/NDF : 67.9/30

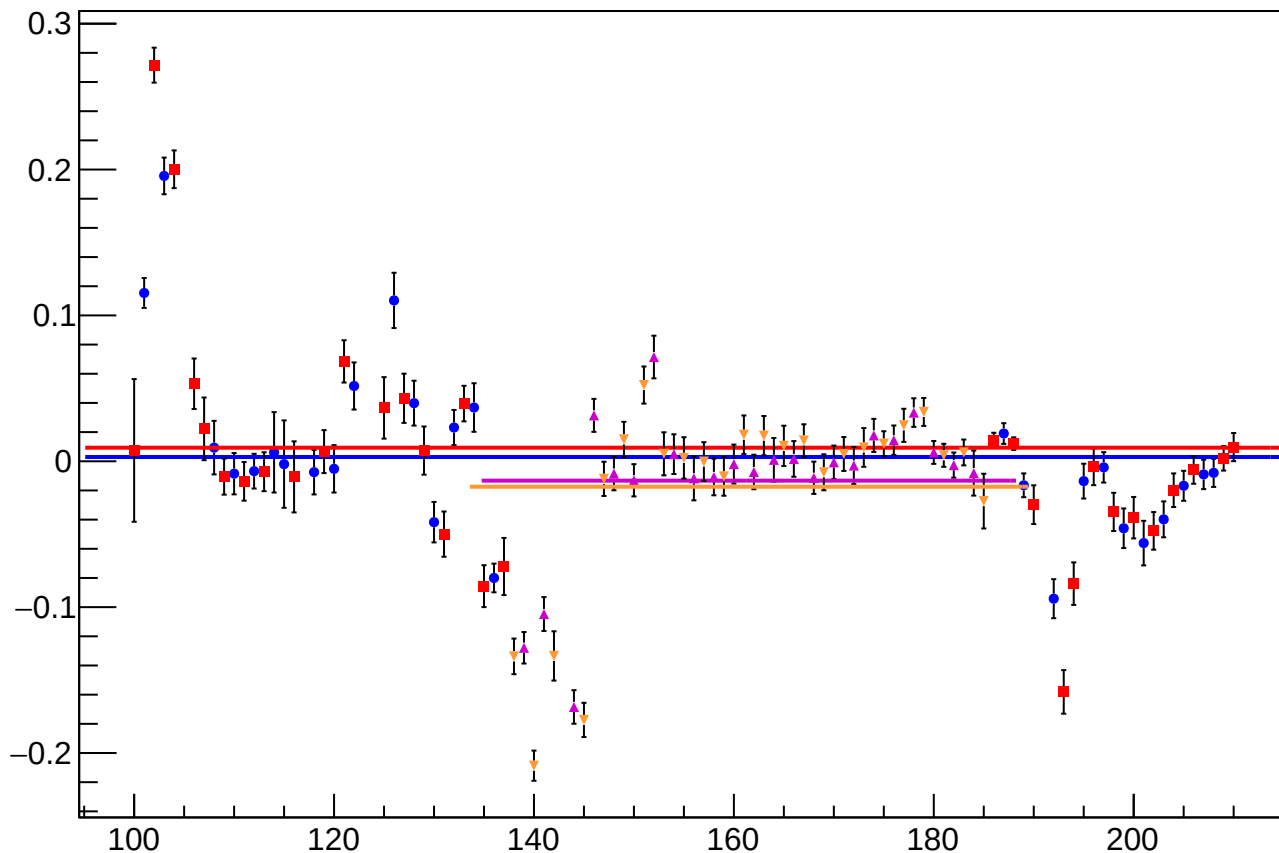
Left In: -0.026 ± 0.002 χ^2/NDF : 55.0/22

+ sign -0.024 ± 0.002 χ^2/NDF : 102.2/50

All: -0.023 ± 0.001 χ^2/NDF : 231.5/104

- sign -0.023 ± 0.001 χ^2/NDF : 129.0/53

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.003 ± 0.002 χ^2/NDF : 605.1/26

Left Out: -0.017 ± 0.002 χ^2/NDF : 812.1/23

Right Out: 0.009 ± 0.002 χ^2/NDF : 1043.9/30

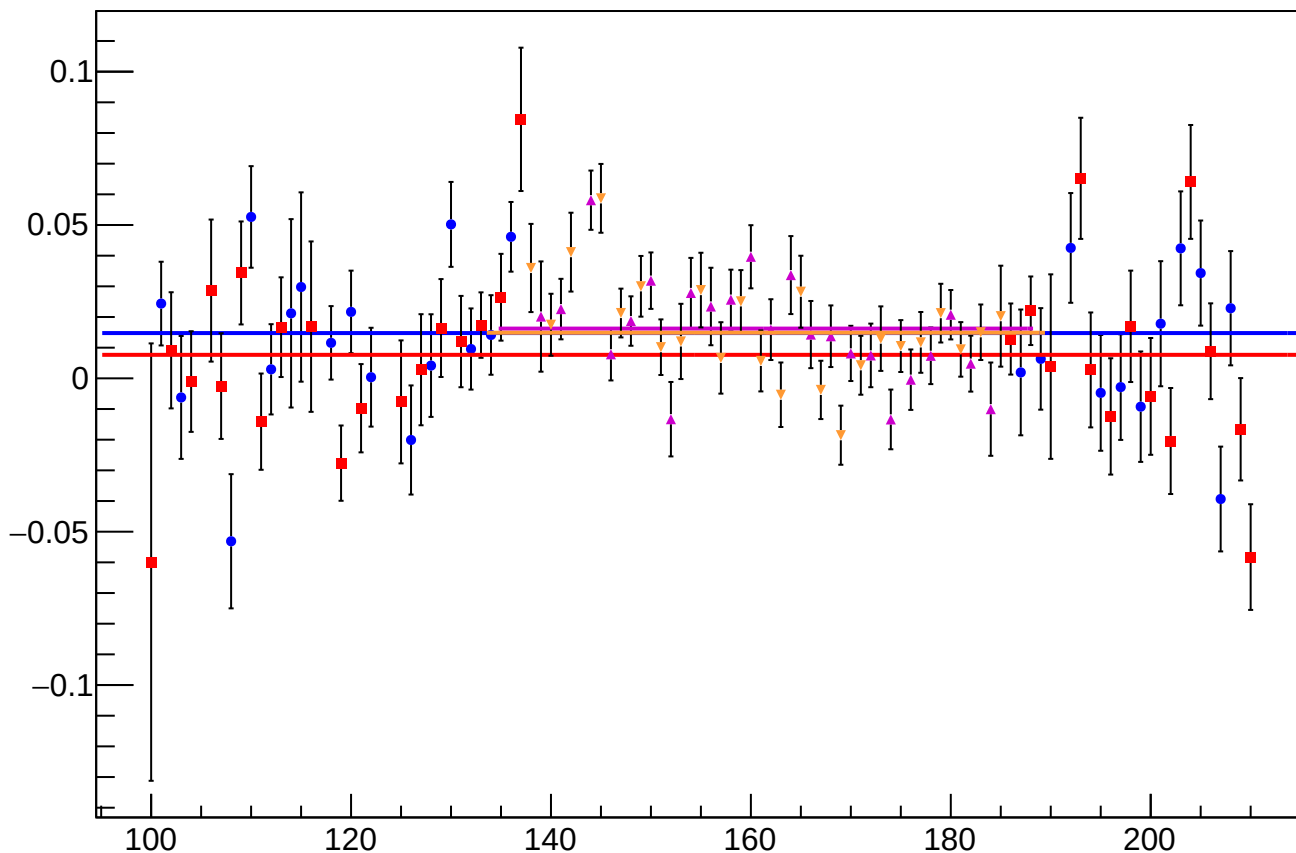
Left In: -0.013 ± 0.002 χ^2/NDF : 458.6/22

+ sign -0.007 ± 0.002 χ^2/NDF : 1454.3/50

All: -0.003 ± 0.001 χ^2/NDF : 3019.0/104

- sign -0.000 ± 0.002 χ^2/NDF : 1555.0/53

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.015 ± 0.003 χ^2/NDF : 57.8/26

Left Out: 0.015 ± 0.002 χ^2/NDF : 52.1/23

Right Out: 0.008 ± 0.003 χ^2/NDF : 72.3/30

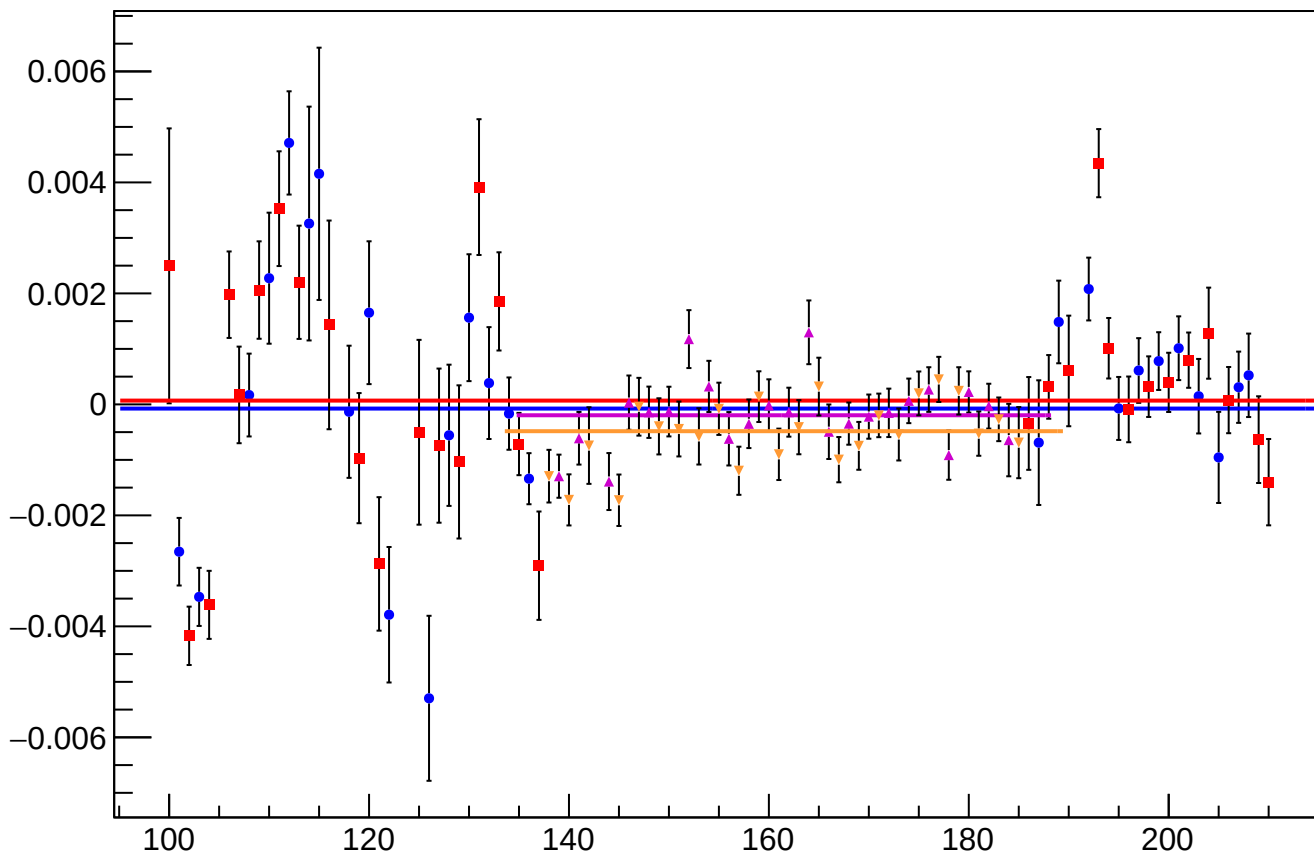
Left In: 0.016 ± 0.002 χ^2/NDF : 58.0/22

+ sign 0.015 ± 0.002 χ^2/NDF : 109.8/50

All: 0.014 ± 0.001 χ^2/NDF : 246.1/104

- sign 0.013 ± 0.002 χ^2/NDF : 135.9/53

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 158.9/26

Left Out: -0.000+/-0.000 χ^2/NDF : 40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 223.9/30

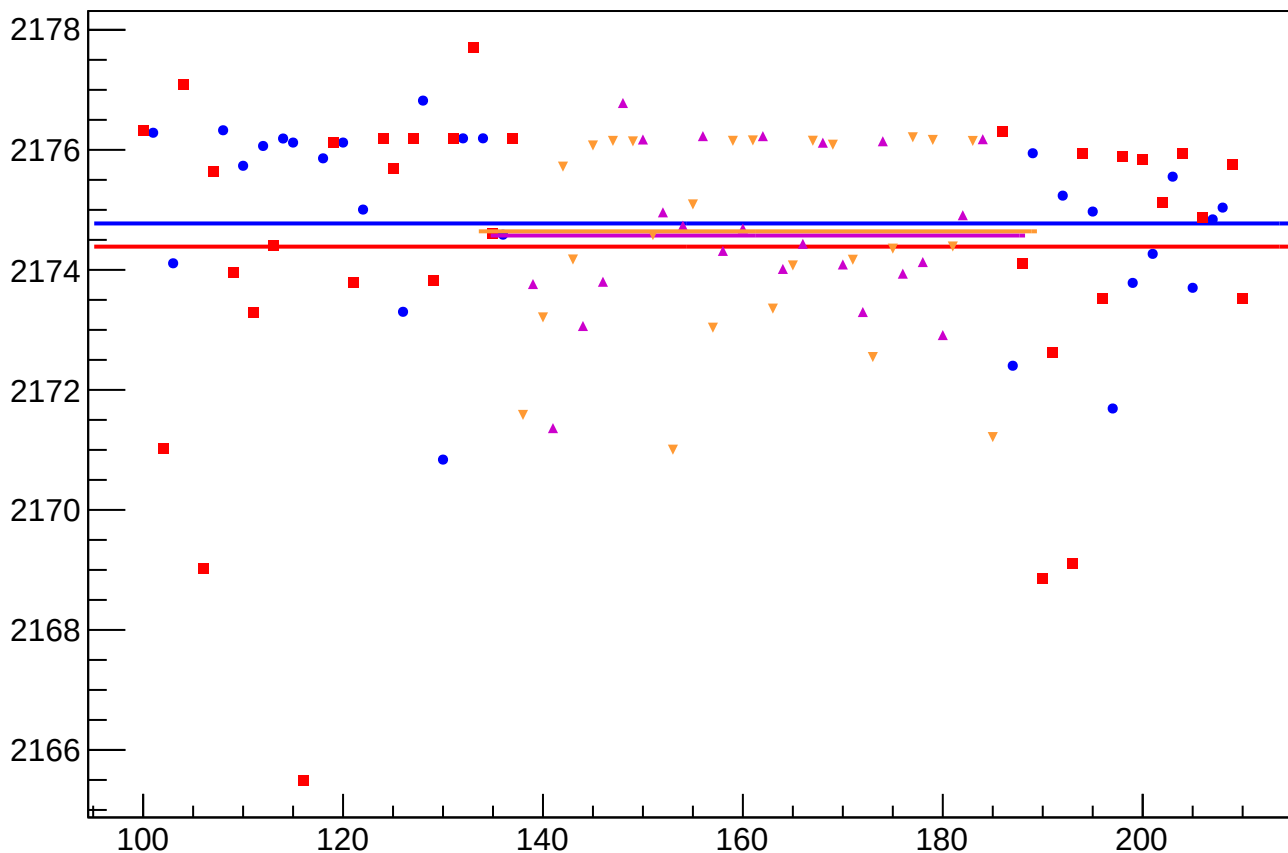
Left In: -0.000+/-0.000 χ^2/NDF : 37.2/22

+ sign -0.000+/-0.000 χ^2/NDF : 205.4/50

All: -0.000+/-0.000 χ^2/NDF : 474.4/104

- sign -0.000+/-0.000 χ^2/NDF : 263.7/53

HALLA_p_mean vs Slug



Right In: 2174.774 $\pm$ 0.000 χ^2 /NDF: 3198254771313424492421917458825216.0/26

+ sign 2174.701 $\pm$ 0.000 χ^2 /NDF: 84253663264133

Left Out: 2174.643 $\pm$ 0.000 χ^2 /NDF: 5211684446319442157199657598451712.0/24

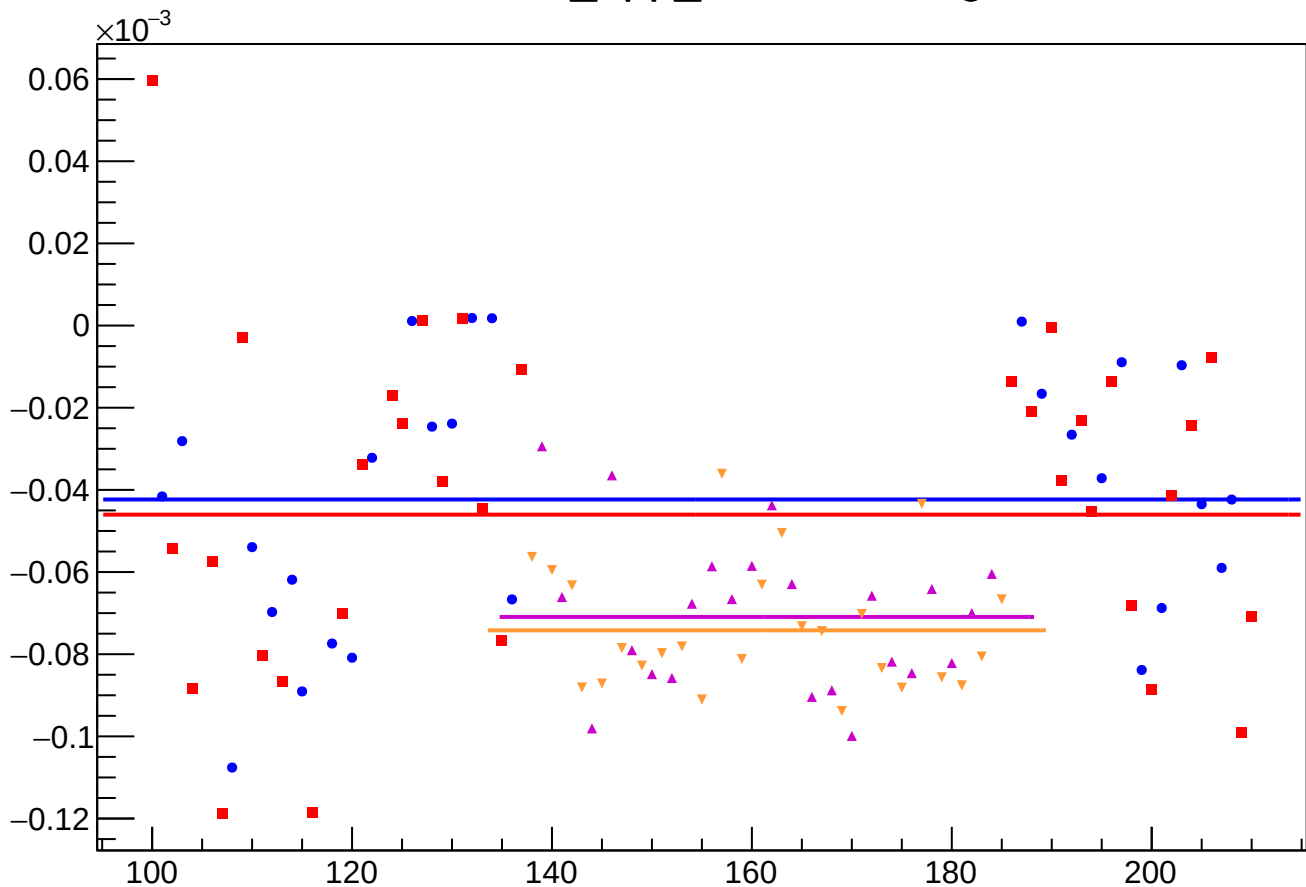
All: 2174.589 $\pm$ 0.000 χ^2 /NDF: 22181892982

Right Out: 2174.387 $\pm$ 0.000 χ^2 /NDF: 10203639849149248531687043156148224.0/32

- sign 2174.481 $\pm$ 0.000 χ^2 /NDF: 13667275947496

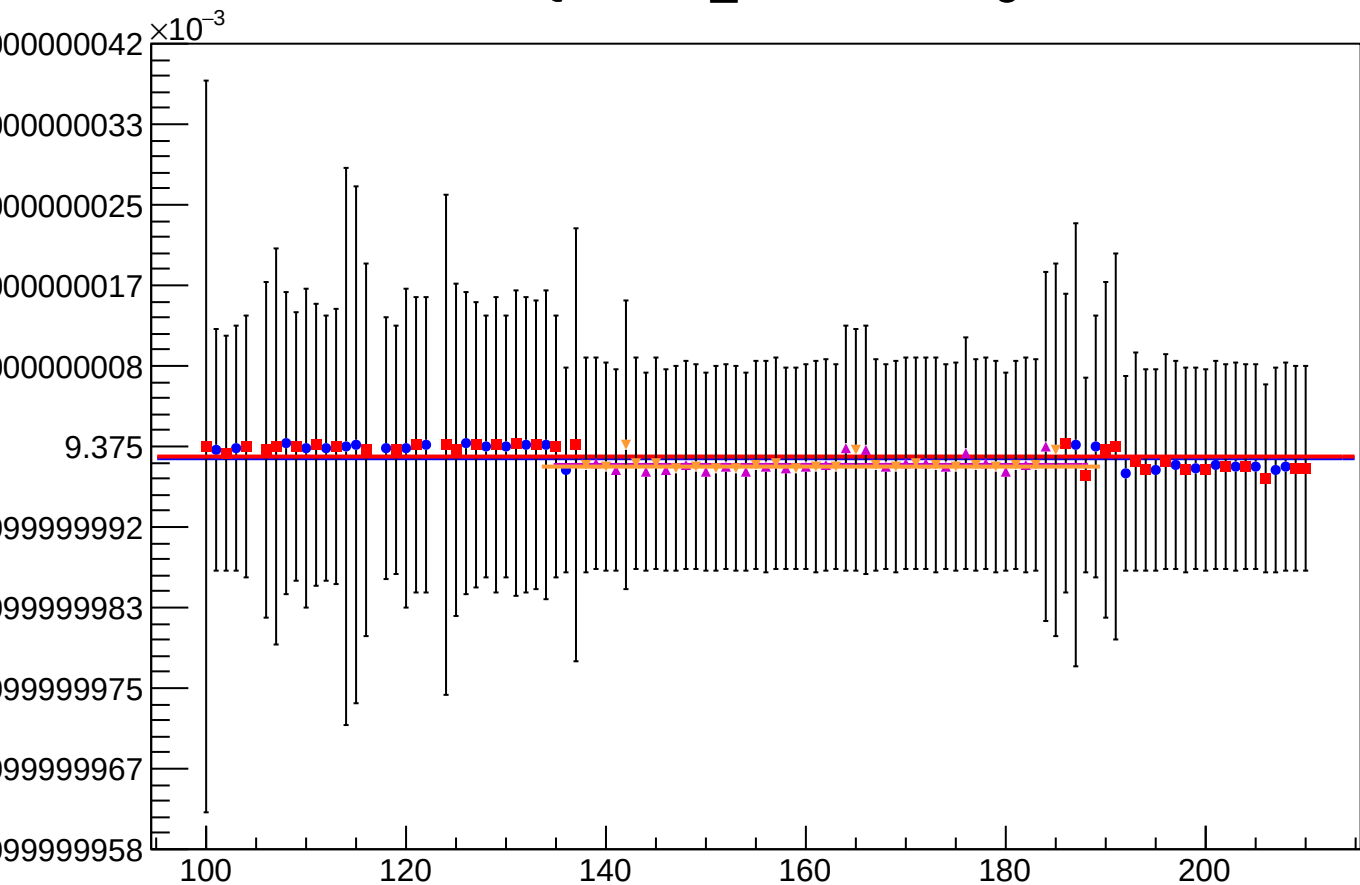
Left In: 2174.573 $\pm$ 0.000 χ^2 /NDF: 3431267097793838845728863815729152.0/22

HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 12506613536231003636736.0/26
 Left Out: -0.000 ± 0.000 χ^2/NDF : 471834768551309792509952.0/24
 Right Out: -0.000 ± 0.000 χ^2/NDF : 2047015261819336707276800.0/32
 Left In: -0.000 ± 0.000 χ^2/NDF : 631091526789889368522752.0/22

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/26

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/32

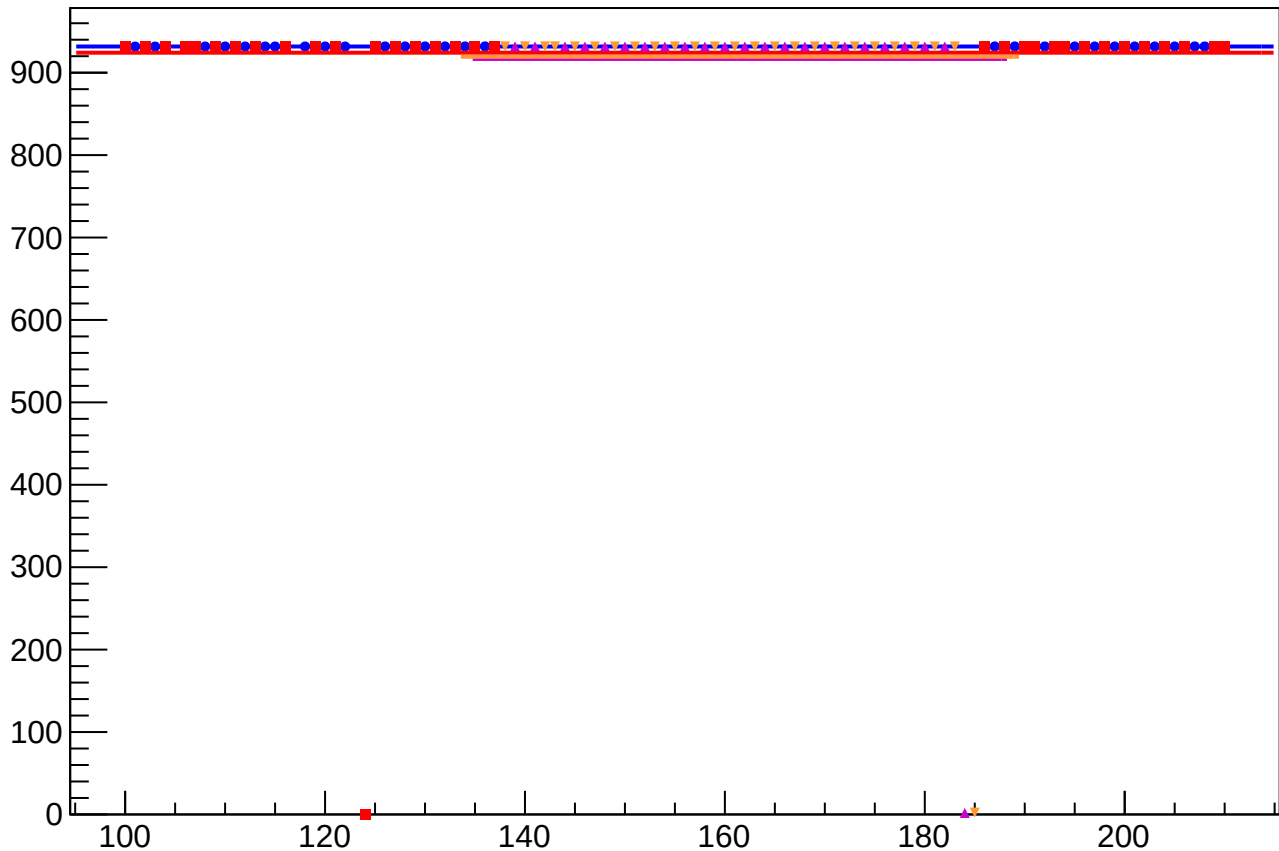
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/51

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 1.0/107

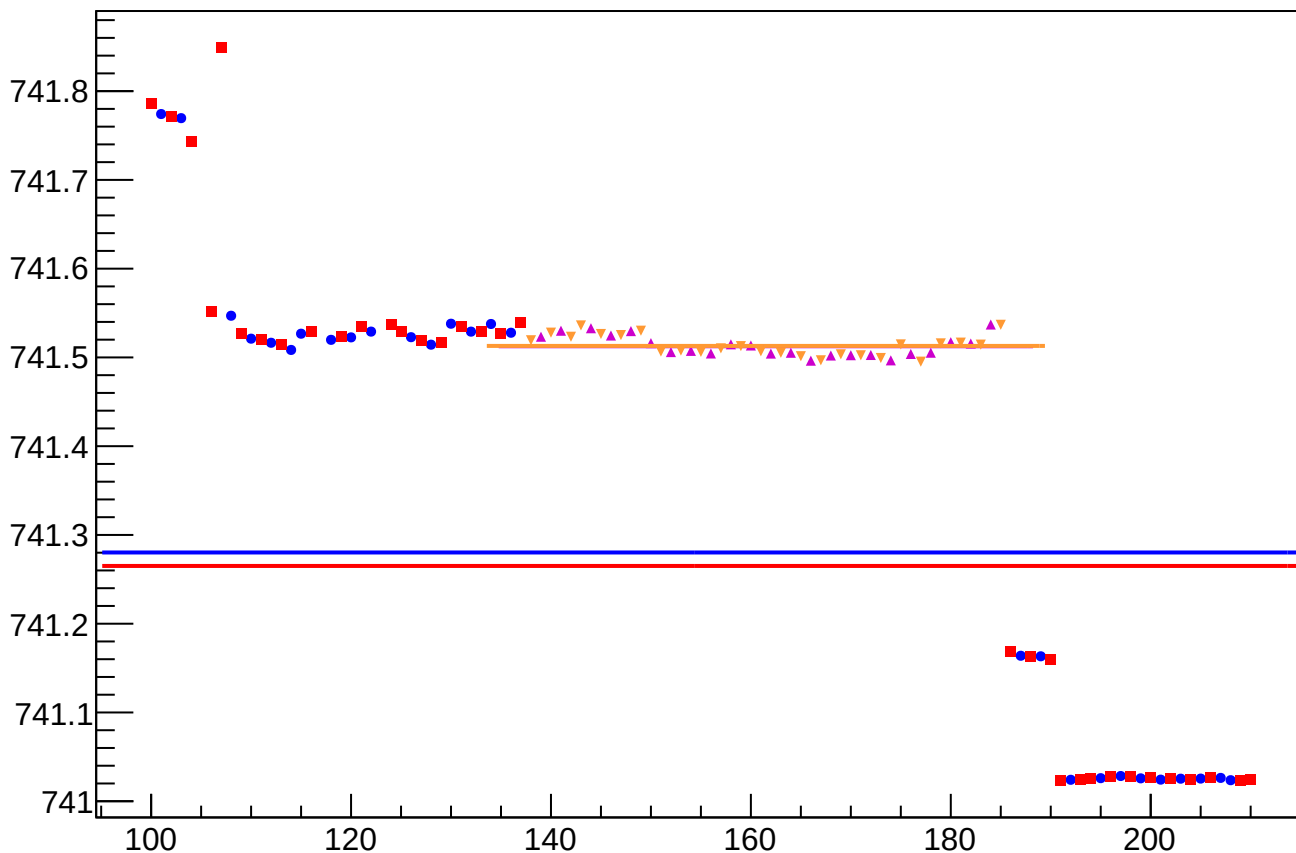
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.5/55

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.779 +/- 0.000 χ^2/NDF : 3391576581456792475738337968128.0/26
Left Out: 919.347 +/- 0.000 χ^2/NDF : 23021123496215280619041526133081243648.0/24
Right Out: 924.258 +/- 0.000 χ^2/NDF : 12917202670370687459351558535300251648.0/32
Left In: 916.654 +/- 0.000 χ^2/NDF : 26369744931183548073785664842185572352.0/22
All: 922.607 +/- 0.000 χ^2/NDF : 625384134923.0/22
+ sign 924.883 +/- 0.000 χ^2/NDF : 231600103948520.0/22
- sign 920.408 +/- 0.000 χ^2/NDF : 393413463336846.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.280 $\pm$ 0.000 χ^2 /NDF: 121462396735219795140410796408832.0/26

Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 251976310768126296231889600512.0/24

Right Out: 741.265 $\pm$ 0.000 χ^2 /NDF: 136262165412308523769372451274752.0/32

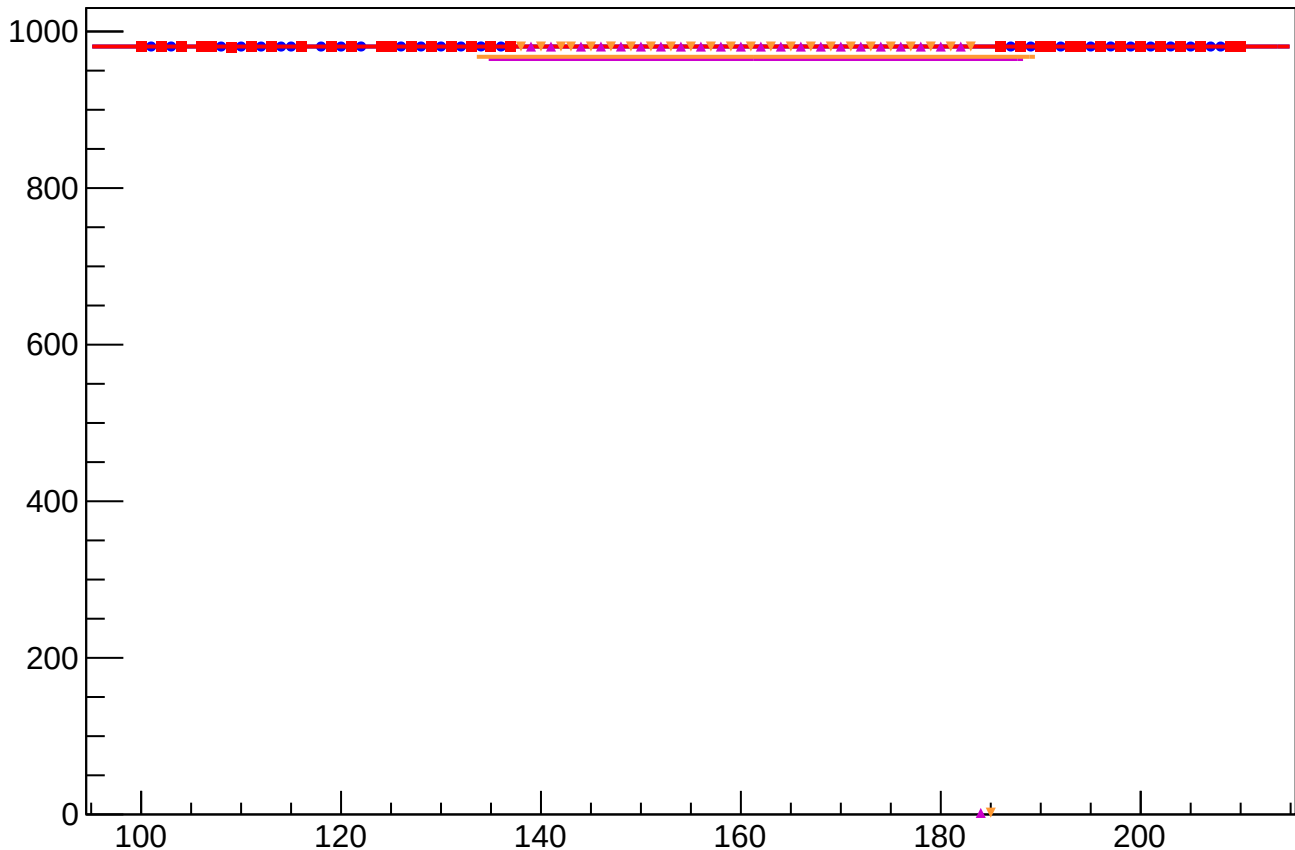
Left In: 741.513 $\pm$ 0.000 χ^2 /NDF: 234703983030085423185895882752.0/22

+ sign 741.409 $\pm$ 0.000 χ^2 /NDF: 170381445186453

All: 741.400 $\pm$ 0.000 χ^2 /NDF: 365177529012

- sign 741.390 $\pm$ 0.000 χ^2 /NDF: 194132724909128

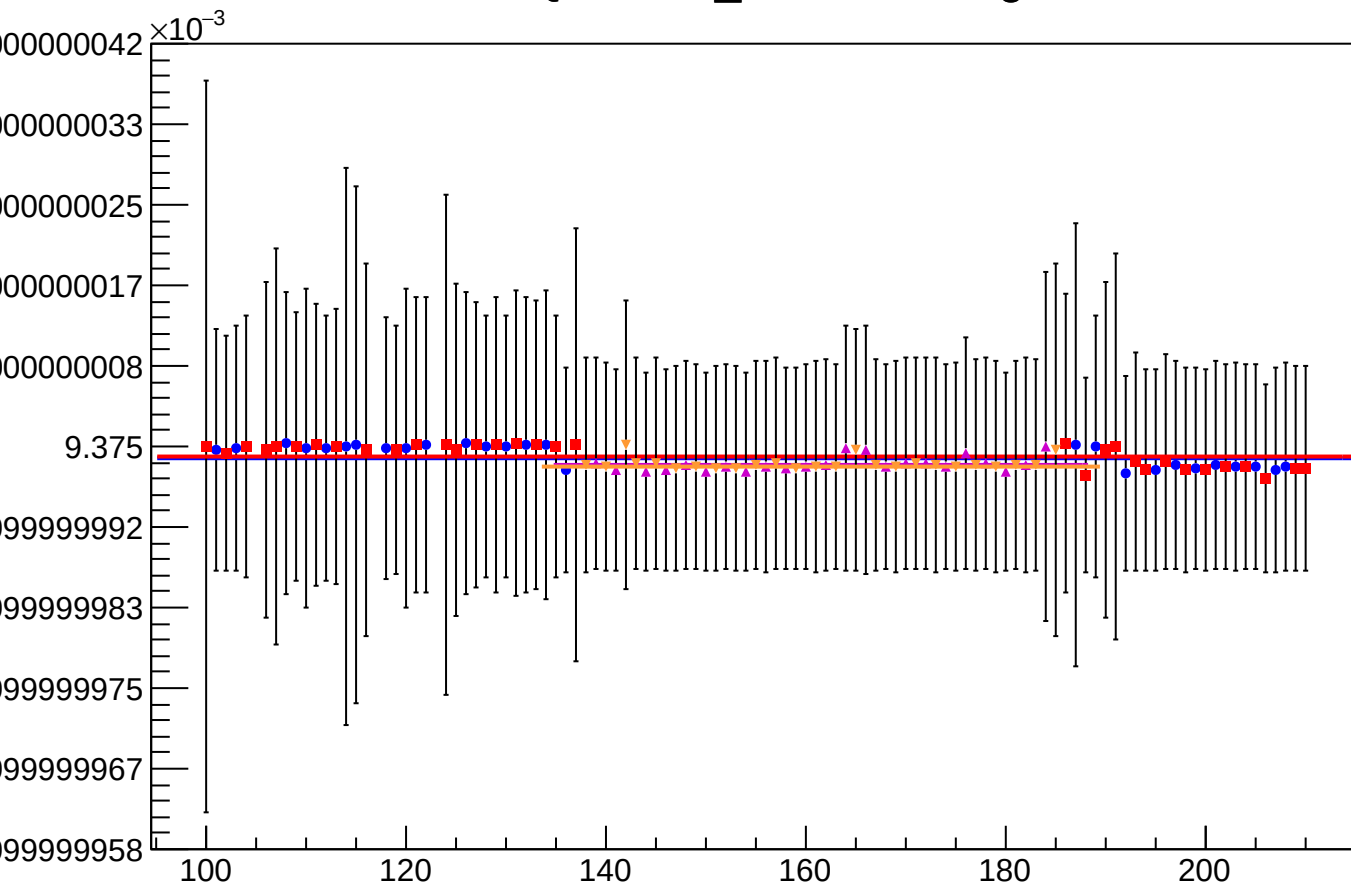
HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.806+/-0.000 χ^2/NDF : 1854101372643293583221177974784.0/26
Left Out: 967.677+/-0.000 χ^2/NDF : 25505155603279925641541295779633692672.0/24
Right Out: 980.779+/-0.000 χ^2/NDF : 63419375233861491943776337264640.0/32
Left In: 964.854+/-0.000 χ^2/NDF : 29215838960103078784112845628245016576.0/22

+ sign 973.523+/-0.000 χ^2/NDF : 256600594451962
All: 973.112+/-0.000 χ^2/NDF : 551157742386
- sign 972.715+/-0.000 χ^2/NDF : 294545066983097

MQ172RM_mean vs Slug



Right In: 0.009 ± 0.000 χ^2/NDF : 0.2/26

Left Out: 0.009 ± 0.000 χ^2/NDF : 0.1/24

Right Out: 0.009 ± 0.000 χ^2/NDF : 0.3/32

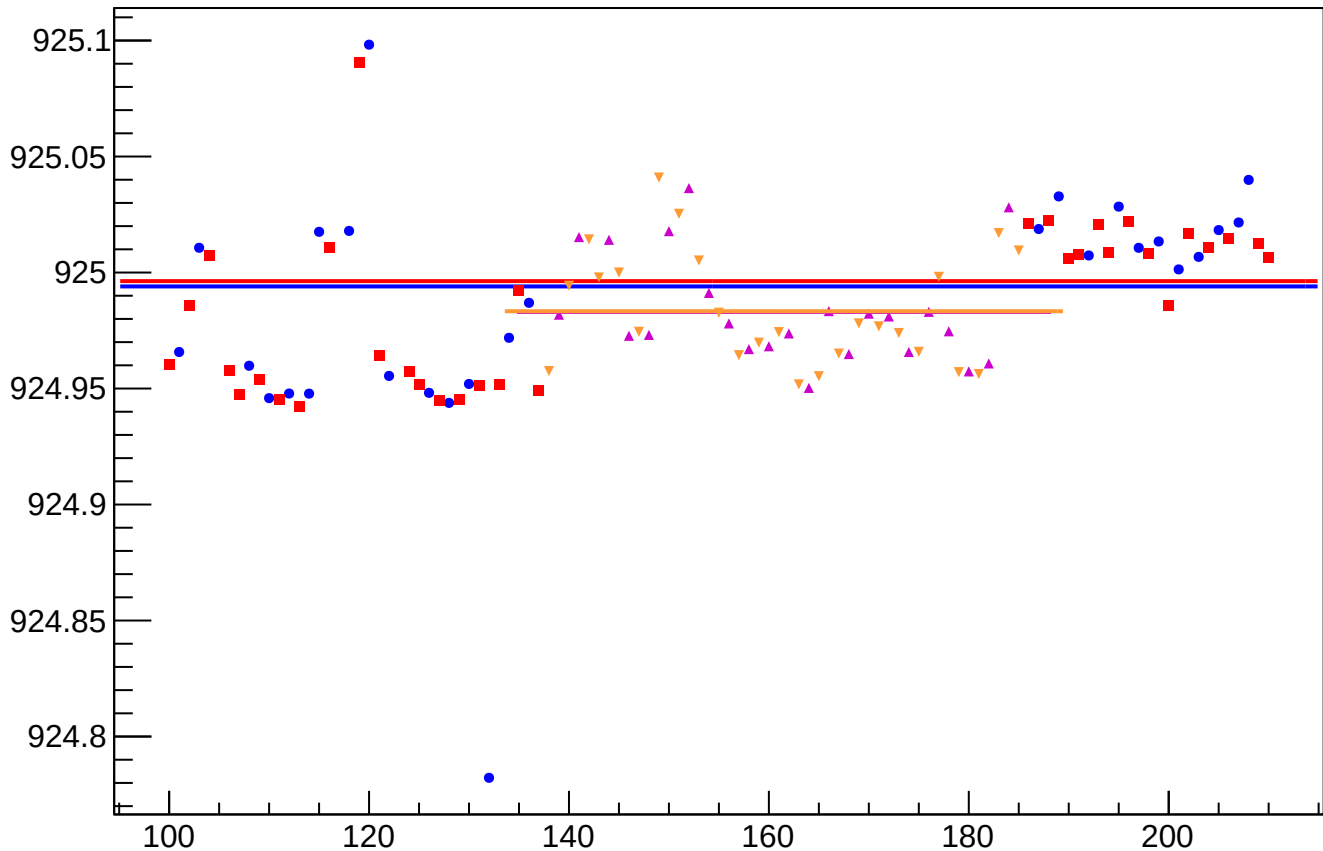
Left In: 0.009 ± 0.000 χ^2/NDF : 0.1/22

+ sign 0.009 ± 0.000 χ^2/NDF : 0.3/51

All: 0.009 ± 0.000 χ^2/NDF : 1.0/107

- sign 0.009 ± 0.000 χ^2/NDF : 0.5/55

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.994 $\pm$ 0.000 χ^2 /NDF: 3716436755433912263442402639872.0/26

Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1161112698344246137667167715328.0/24

Right Out: 924.996 $\pm$ 0.000 χ^2 /NDF: 1984076774080656633888054968320.0/32

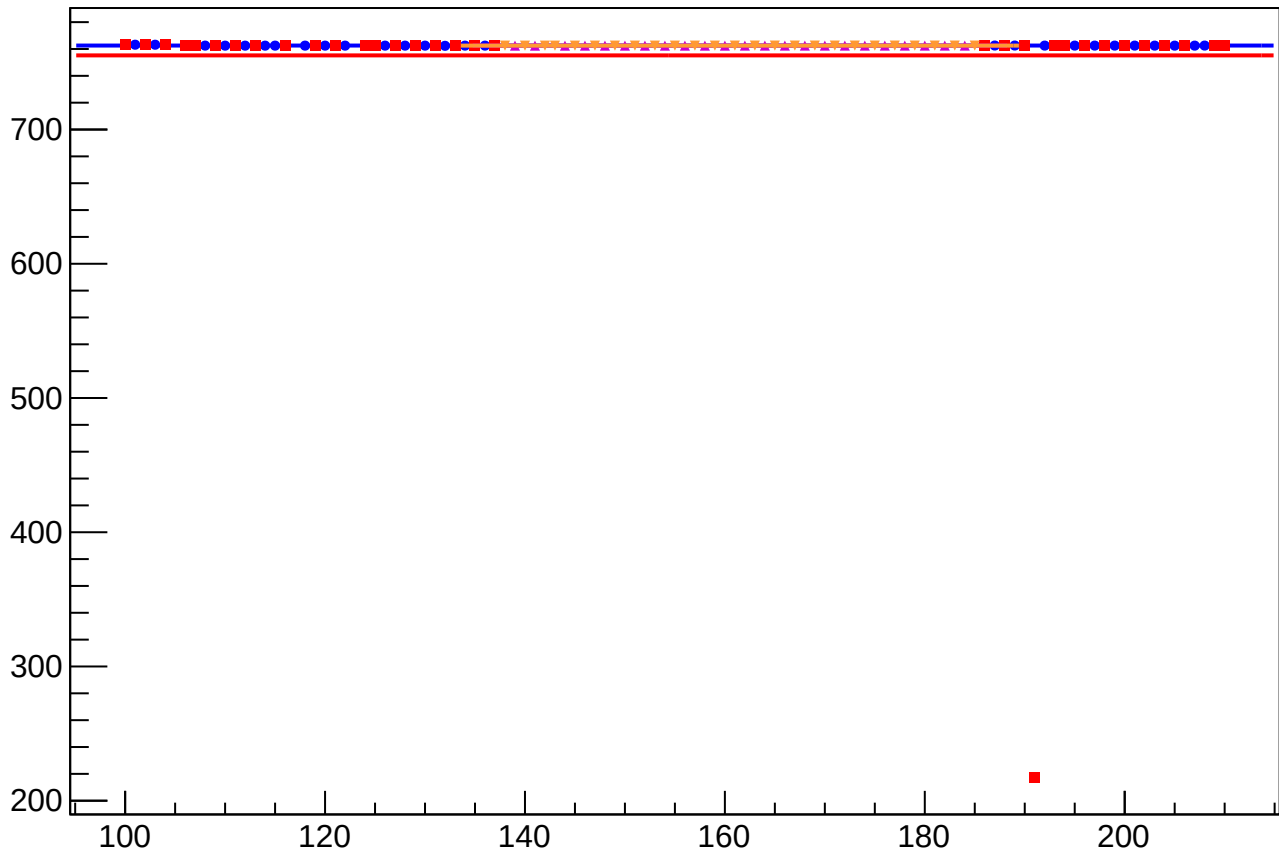
Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 928270307181587701368348475392.0/22

+ sign 924.988 $\pm$ 0.000 χ^2 /NDF: 498041263358833

All: 924.989 $\pm$ 0.000 χ^2 /NDF: 806297376963

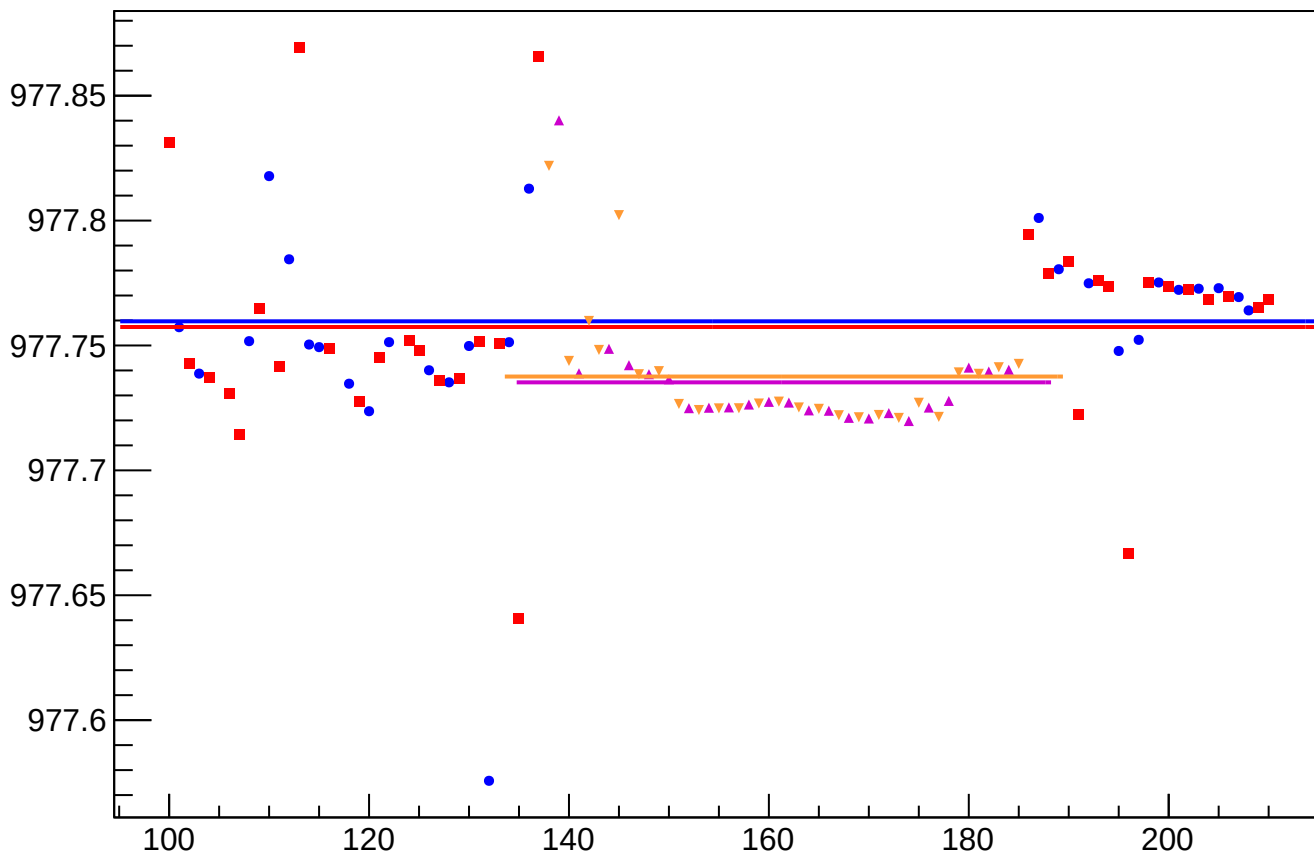
- sign 924.990 $\pm$ 0.000 χ^2 /NDF: 307842709422211

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.565+/-0.000 χ^2/NDF : 55333305034641798650302367268864.0/26
 Left Out: 762.518+/-0.000 χ^2/NDF : 767703709161817083348479115264.0/24
 Right Out: 755.234+/-0.000 χ^2/NDF : 7339291581504699913759163287626317824.0/32
 Left In: 762.519+/-0.000 χ^2/NDF : 670647537781259394452119617536.0/22
 All: 760.700+/-0.000 χ^2/NDF : 741348298980
 + sign 762.539+/-0.000 χ^2/NDF : 580898255313285
 - sign 758.923+/-0.000 χ^2/NDF : 738922698229889

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.760 $\pm$ 0.000 χ^2/NDF : 2213759602355522943705252102144.0/26

Left Out: 977.738 $\pm$ 0.000 χ^2/NDF : 1178407872566336572325000904704.0/24

Right Out: 977.757 $\pm$ 0.000 χ^2/NDF : 2858536244092167193217728512000.0/32

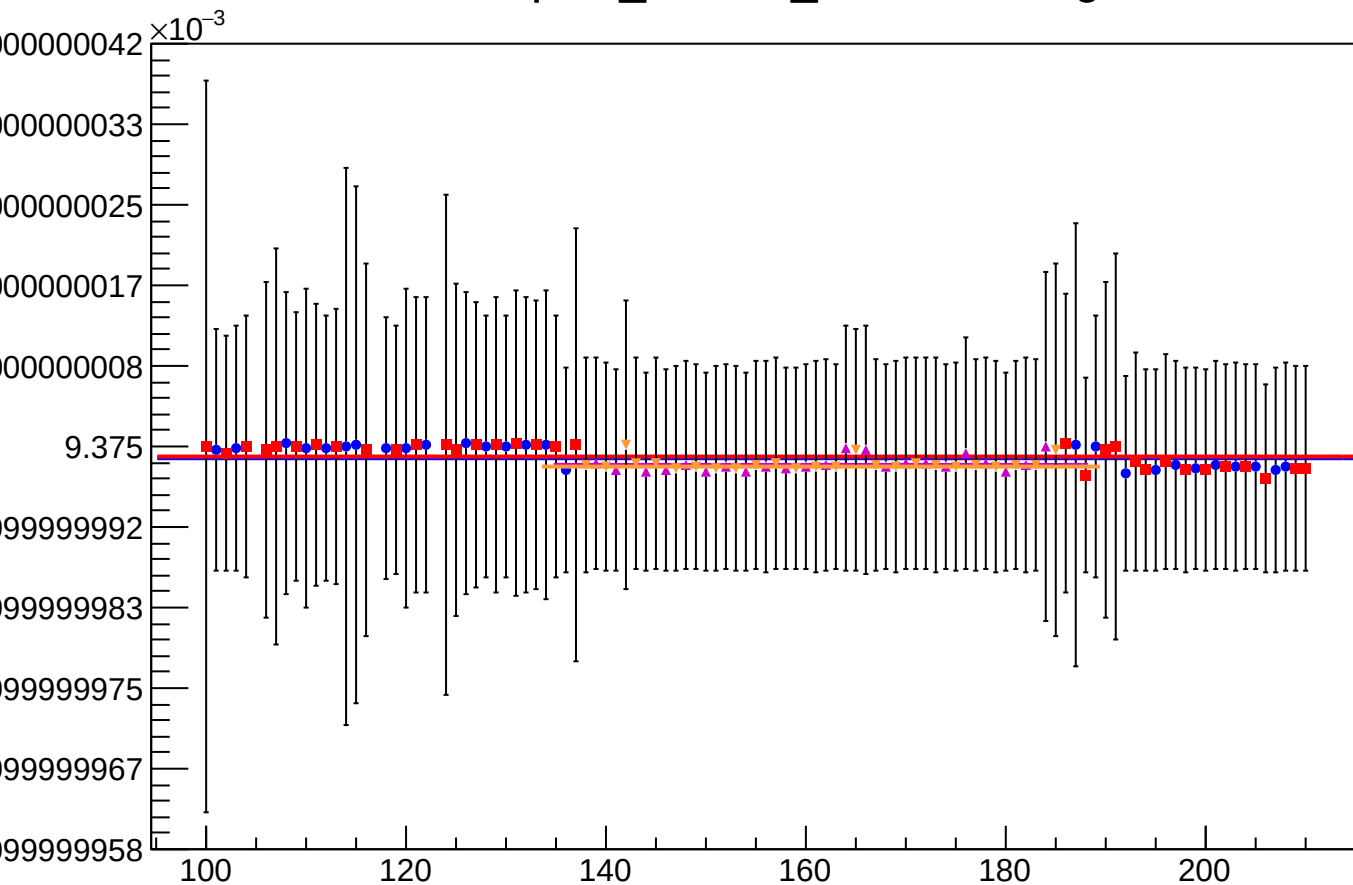
Left In: 977.735 $\pm$ 0.000 χ^2/NDF : 1096766437605417254627072540672.0/22

+ sign 977.747 $\pm$ 0.000 χ^2/NDF : 383151447885745

All: 977.747 $\pm$ 0.000 χ^2/NDF : 825164803114

- sign 977.746 $\pm$ 0.000 χ^2/NDF : 441730140056393

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/26

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/32

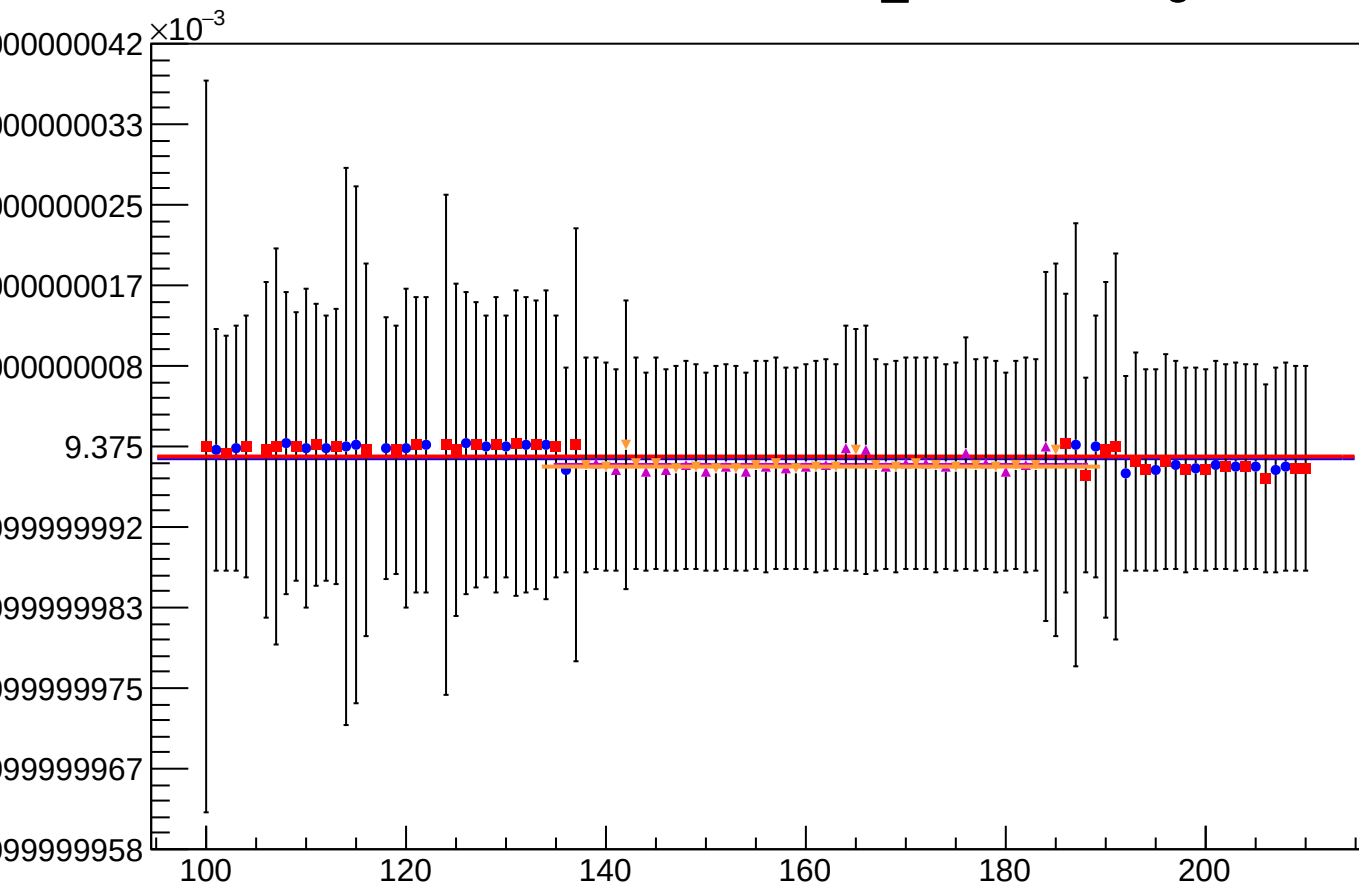
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/51

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 1.0/107

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.5/55

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/26

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/32

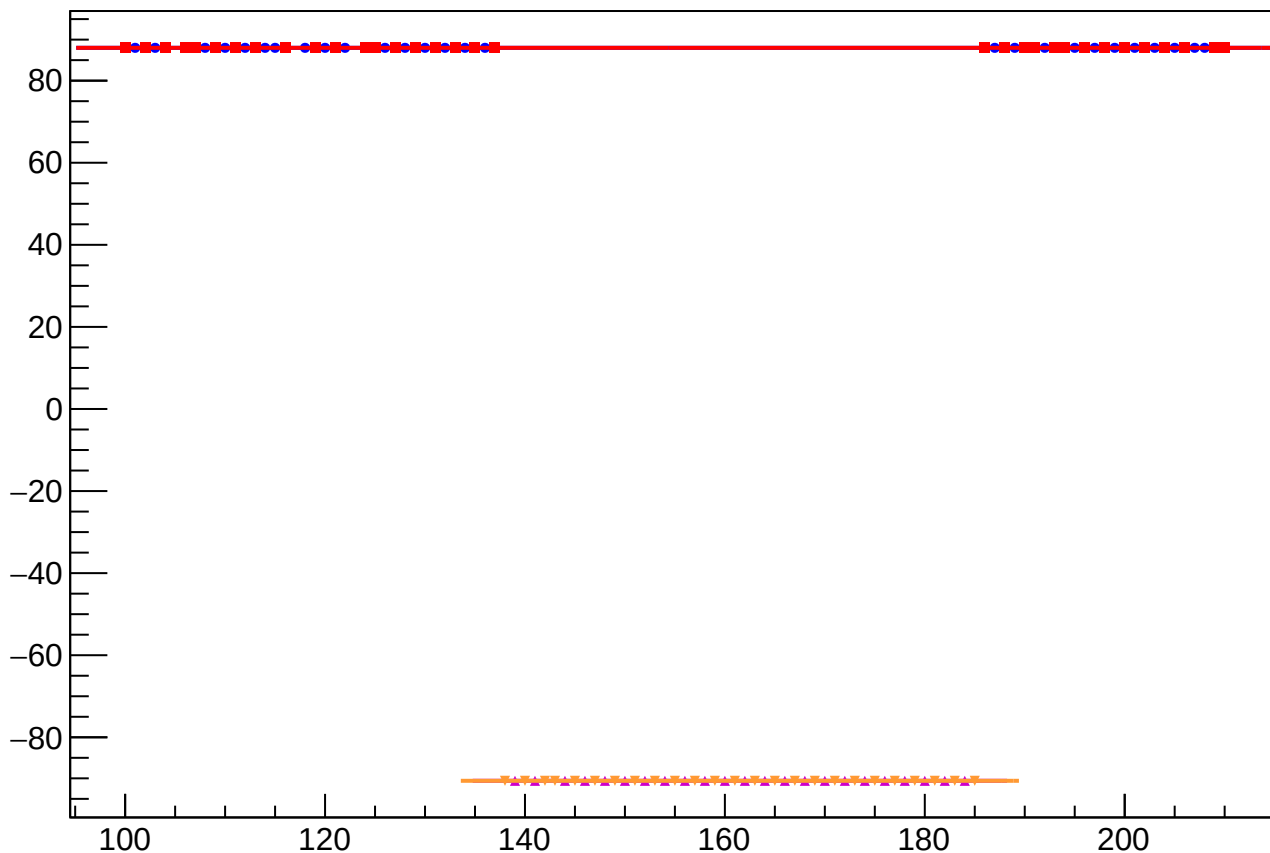
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/51

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 1.0/107

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.5/55

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 2990047.9/26

Left Out: -90.599+/-0.000 χ^2/NDF : 5219558.1/24

Right Out: 88.002+/-0.000 χ^2/NDF : 76513966770315090036275544064.0/32

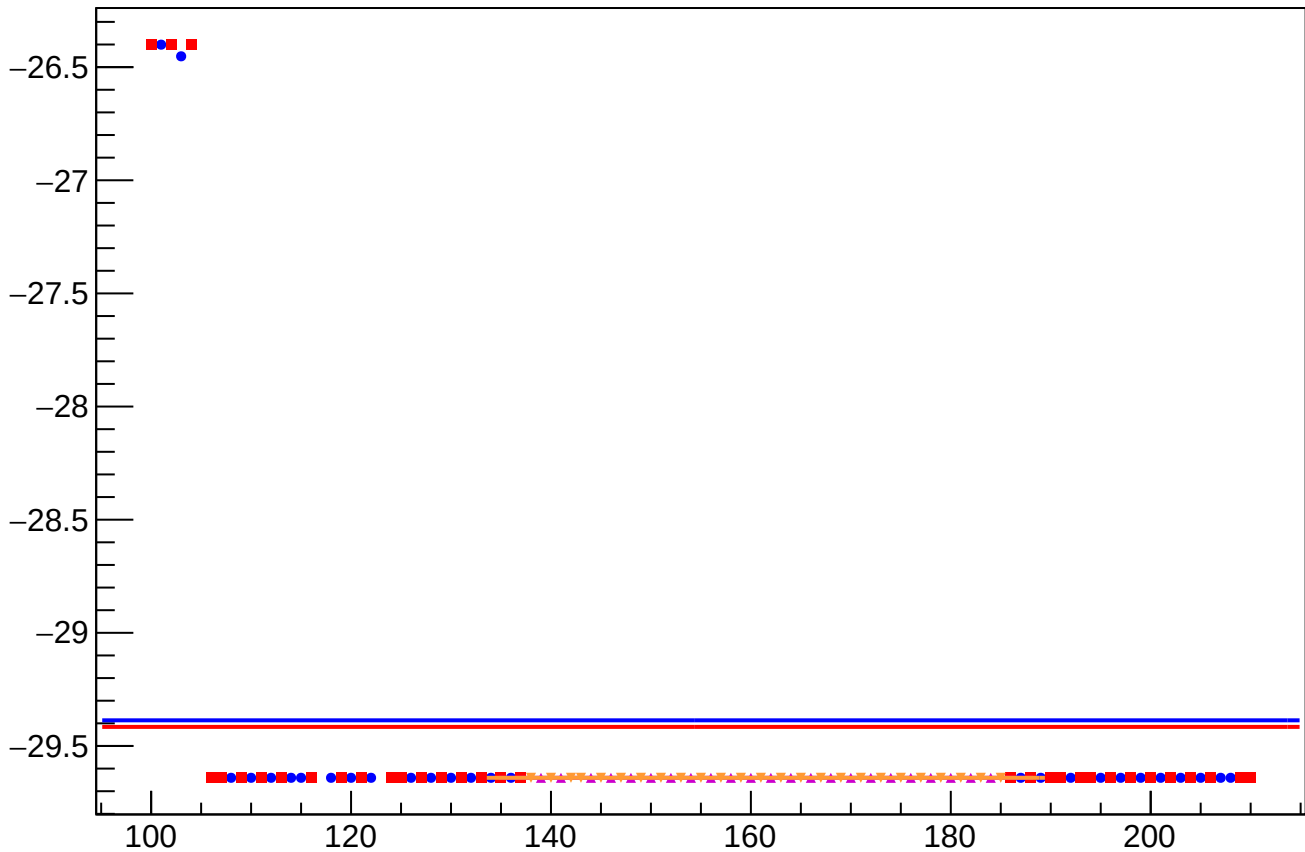
Left In: -90.599+/-0.000 χ^2/NDF : 7520558.1/22

+ sign -11.069+/-0.000 χ^2/NDF : 286639733132490

All: -6.680+/-0.000 χ^2/NDF : 5881326500344

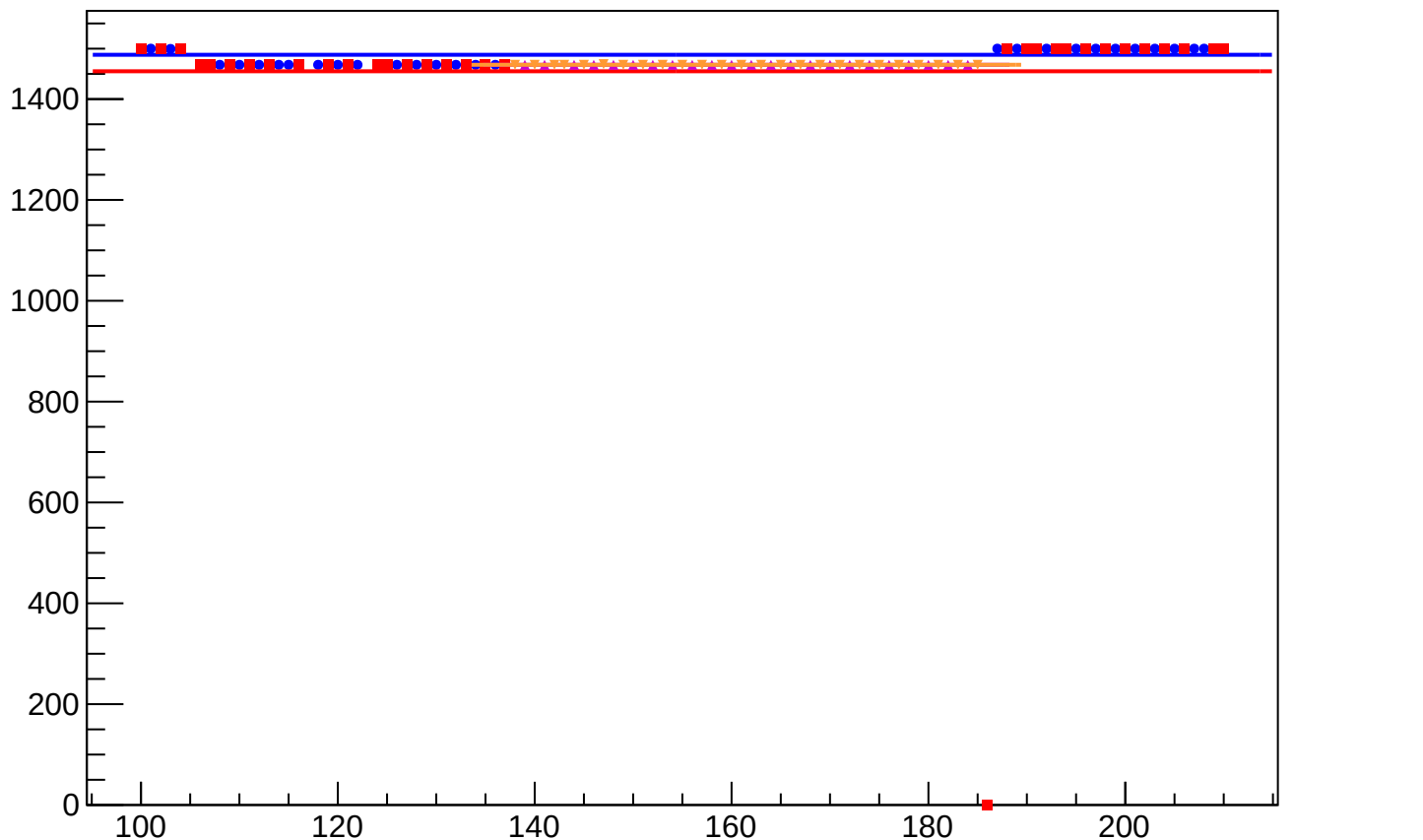
- sign -2.438+/-0.000 χ^2/NDF : 30011472261448470

HWienAngle_mean vs Slug



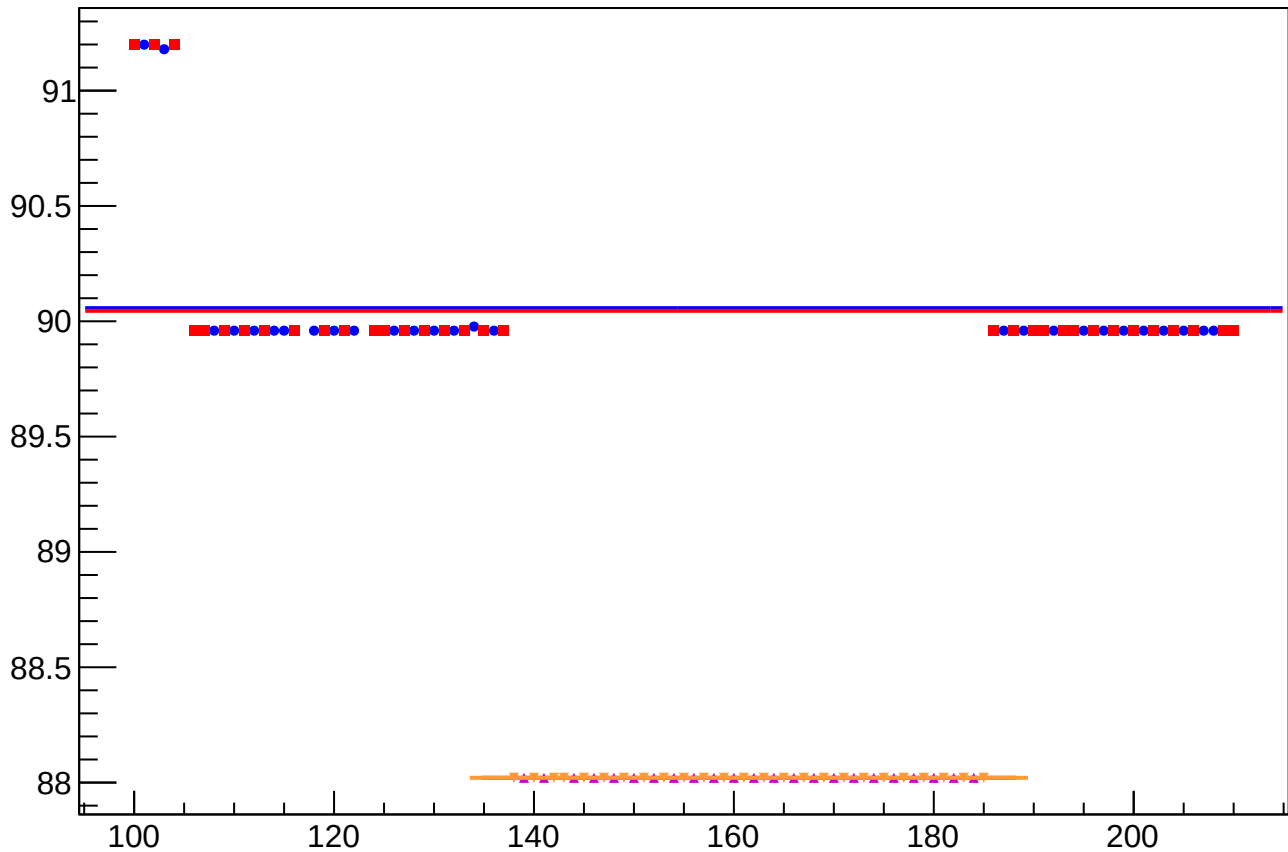
Right In: -29.387 ± 0.000 χ^2/NDF : 1218348308571430947357565302865920.0/26
 Left Out: -29.641 ± 0.000 χ^2/NDF : 409122.2/24 + sign -29.528 ± 0.000 χ^2/NDF : 127632332961595
 Right Out: -29.416 ± 0.000 χ^2/NDF : 1260169645640474831284463527264256.0/32 All: -29.529 ± 0.000 χ^2/NDF : 258411073319
 Left In: -29.641 ± 0.000 χ^2/NDF : 290780.4/22 - sign -29.530 ± 0.000 χ^2/NDF : 1307779517534528

psub_pl_pos_mean vs Slug



Right In: 1487.864+/-0.000 χ^2/NDF : 389950736201372218363129460613447680.0/26
 Left Out: 1468.051+/-0.000 χ^2/NDF : 139558223587677068165594208010240.0/24
 Right Out: 1455.167+/-0.000 χ^2/NDF : 91414282236301295882911210997578465280.0/32
 Left In: 1467.994+/-0.000 χ^2/NDF : 155493808986096753755224539136.0/22
 + sign 1476.874+/-0.000 χ^2/NDF : 74286883221223
 All: 1469.138+/-0.000 χ^2/NDF : 92740007398
 - sign 1461.662+/-0.000 χ^2/NDF : 91569074257290

Phi_FG_mean vs Slug



Right In: 90.057 $\pm$ 0.000 χ^2 /NDF: 178330515164460210372850338496512.0/26

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5113333.3/24

Right Out: 90.045 $\pm$ 0.000 χ^2 /NDF: 184579032077528533466686353833984.0/32

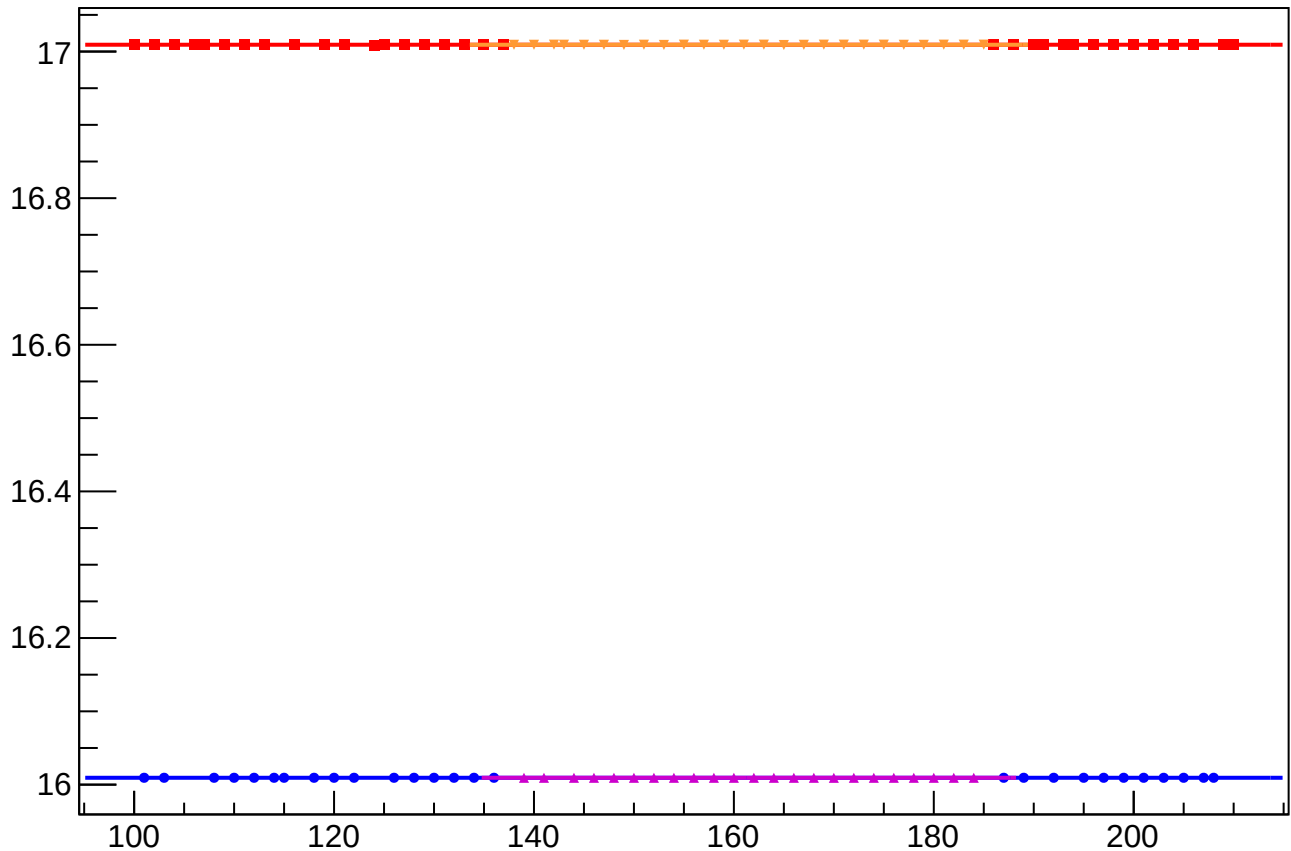
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 7159272.4/22

+ sign 88.927 $\pm$ 0.000 χ^2 /NDF: 3904203240080305

All: 88.975 $\pm$ 0.000 χ^2 /NDF: 7961545013550

- sign 89.020 $\pm$ 0.000 χ^2 /NDF: 4041444490742563

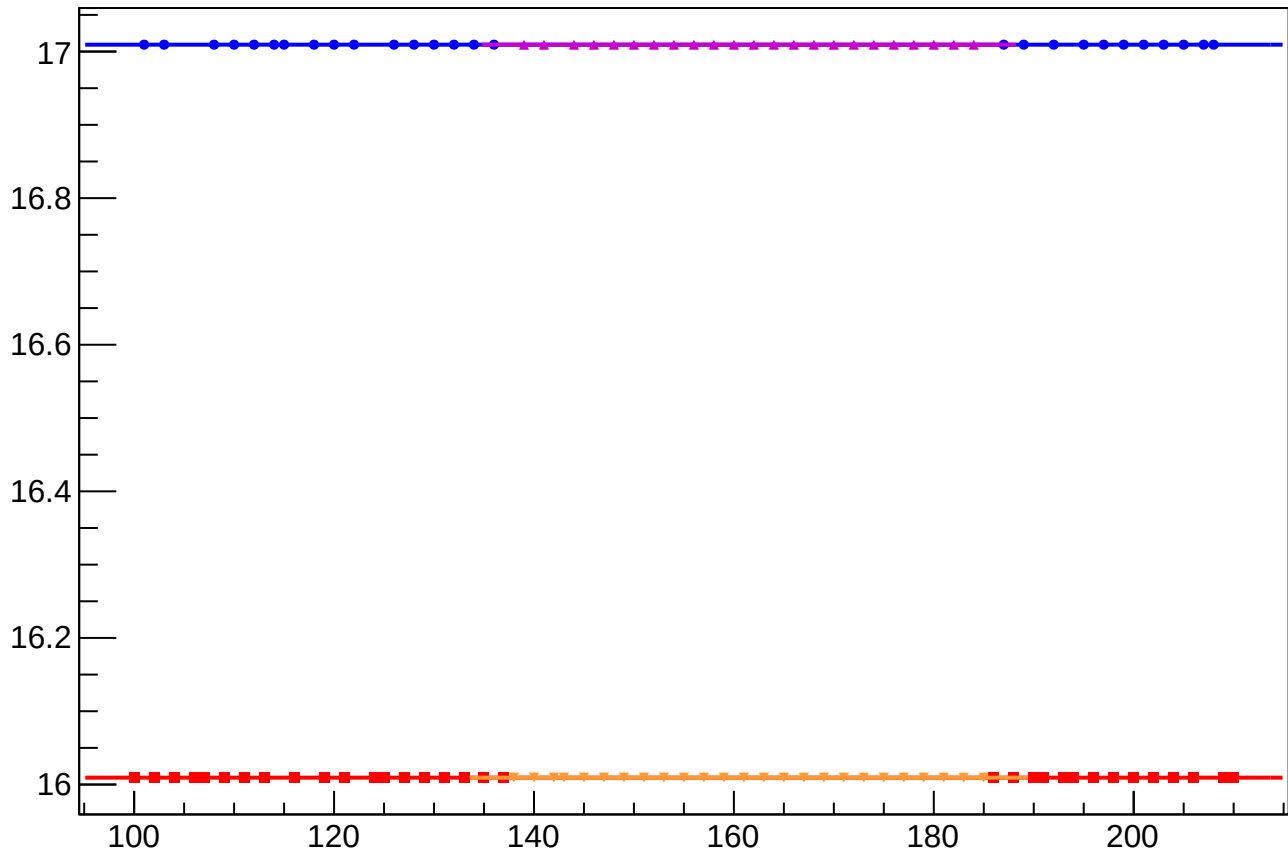
IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 106071697383733258616832.0/26
 Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 27990345675883689673752576.0/24
 Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 21090428755724564038680576.0/32
 Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 124687912167063523688448.0/22

+ sign 16.551 $\pm$ 0.000 χ^2/NDF : 8569335850465401
 All: 16.531 $\pm$ 0.000 χ^2/NDF : 1748746316299
 - sign 16.512 $\pm$ 0.000 χ^2/NDF : 8890863677848526

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 106091170477254054510592.0/26

Left Out: 16.009+/-0.000 χ^2/NDF : 2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF : 601995.5/32

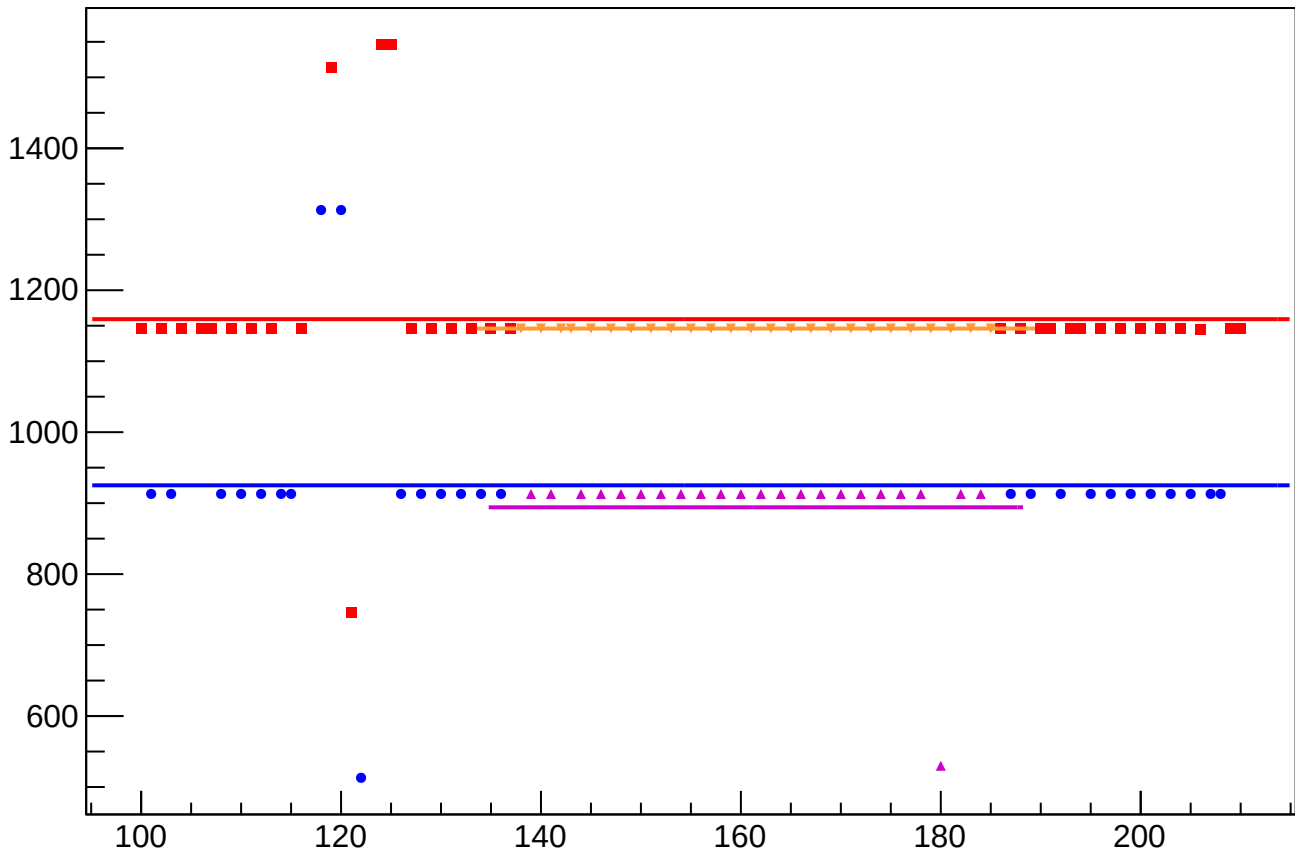
Left In: 17.009+/-0.000 χ^2/NDF : 111007104420881566269440.0/22

+ sign 16.453+/-0.000 χ^2/NDF : 8829930472539138

All: 16.482+/-0.000 χ^2/NDF : 1817522714637

- sign 16.510+/-0.000 χ^2/NDF : 9284944568987195

RTPAPOSUCNT_mean vs Slug



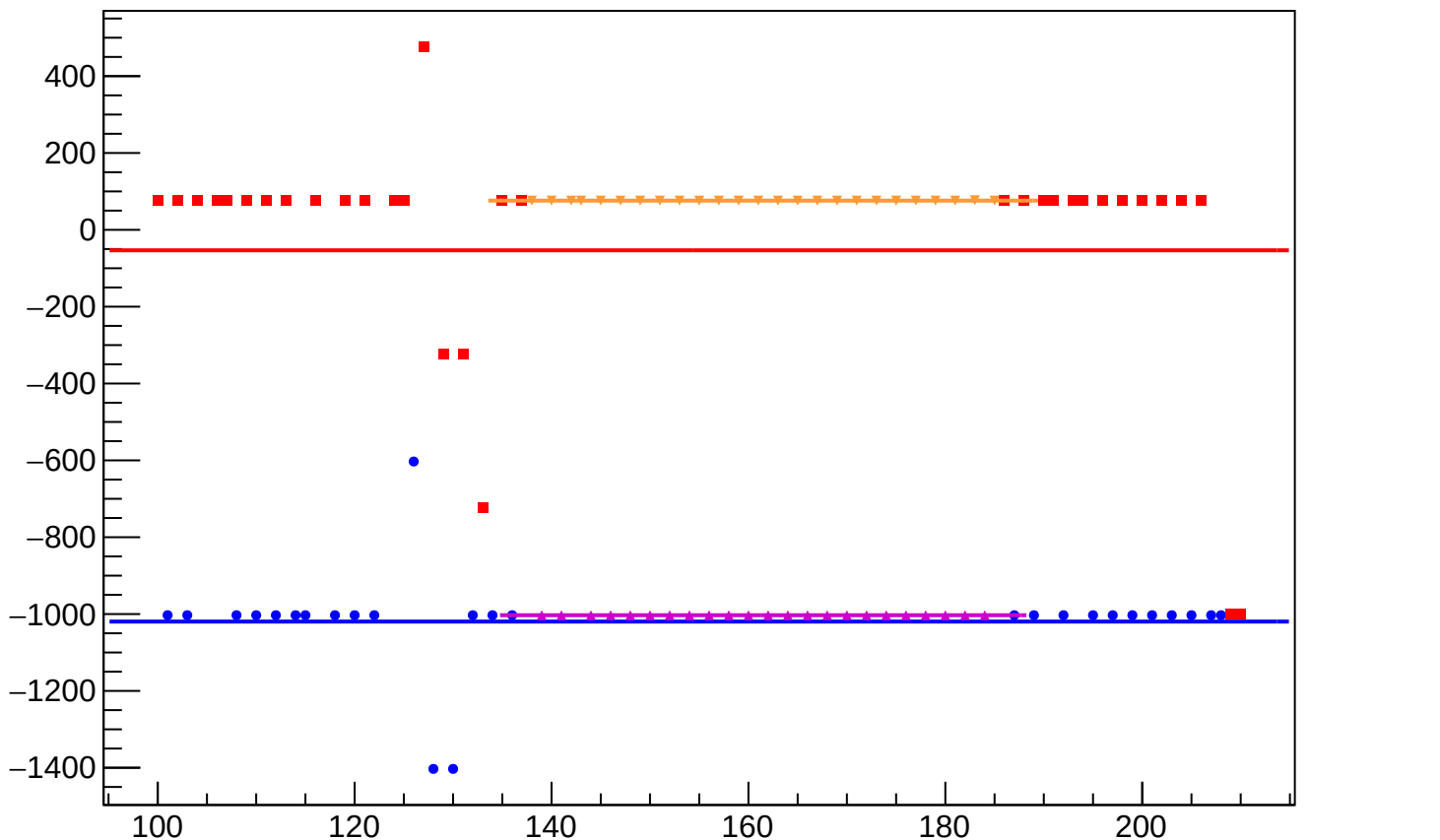
Right In: 925.094+/-0.000 χ^2/NDF : 21364251073849069188544101121022492672.0/26

Left Out: 1146.020+/-0.000 χ^2/NDF : 3703071297941871459906430697472.0/24

Right Out: 1159.253+/-0.000 χ^2/NDF : 22620860540084171595558204792111104000.0/32

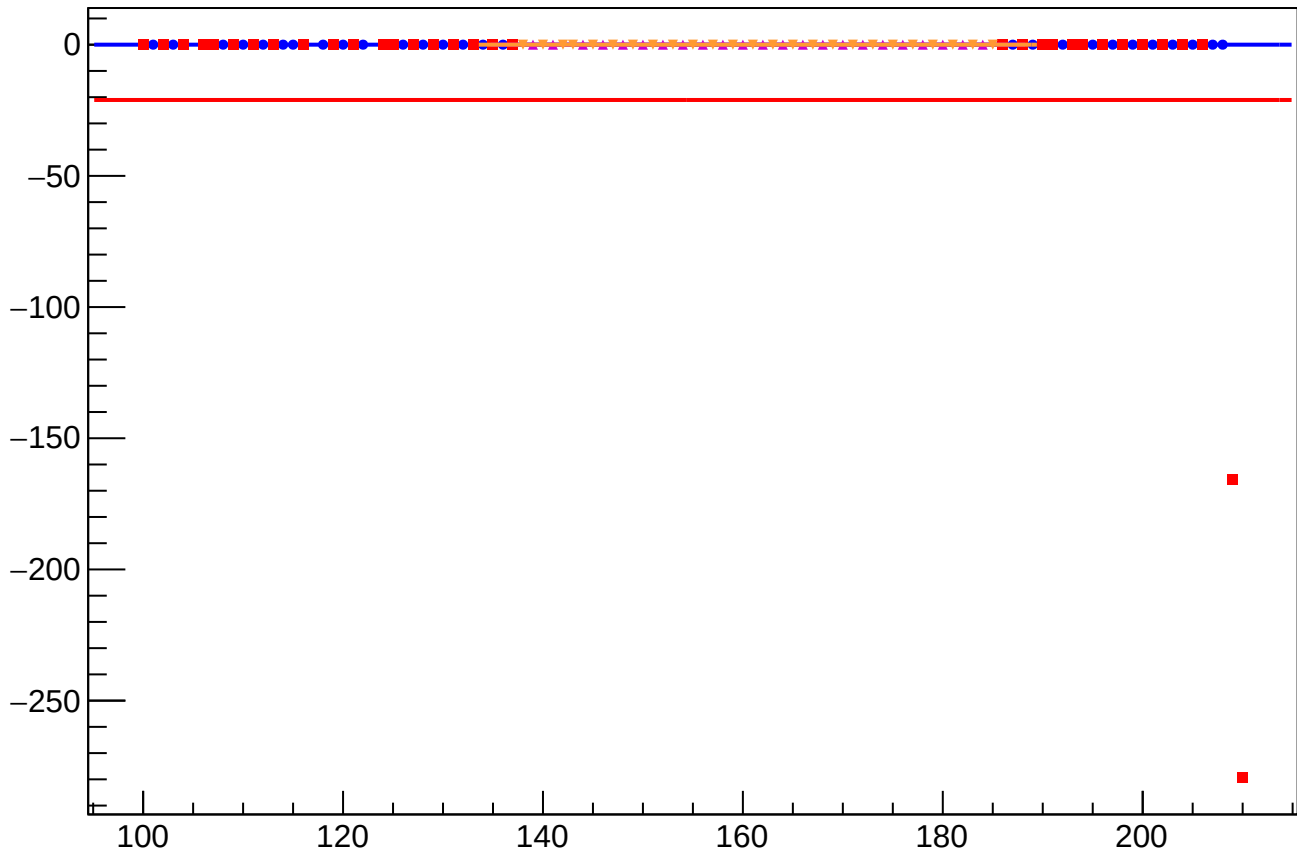
Left In: 894.107+/-0.000 χ^2/NDF : 13107238299211712783896183802964213760.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1019.532 ± 0.000 $\chi^2/\text{NDF}: 23396317175599291782088238741820801024.0/26$
 Left Out: 76.053 ± 0.000 $\chi^2/\text{NDF}: 81371196294580866514571210260480.0/24$
 Right Out: -53.255 ± 0.000 $\chi^2/\text{NDF}: 222160352028592270510099882943560286208.0/32$
 Left In: -1002.990 ± 0.000 $\chi^2/\text{NDF}: 2951955903348314753097269248.0/22$
 All: -474.036 ± 0.000 $\chi^2/\text{NDF}: 22005111404$
 + sign -411.811 ± 0.000 $\chi^2/\text{NDF}: 11020092197851$
 - sign -534.178 ± 0.000 $\chi^2/\text{NDF}: 107080108030465$

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: -21.070+/-0.000 χ^2/NDF : 8459783412974249052010107830930505728.0/32

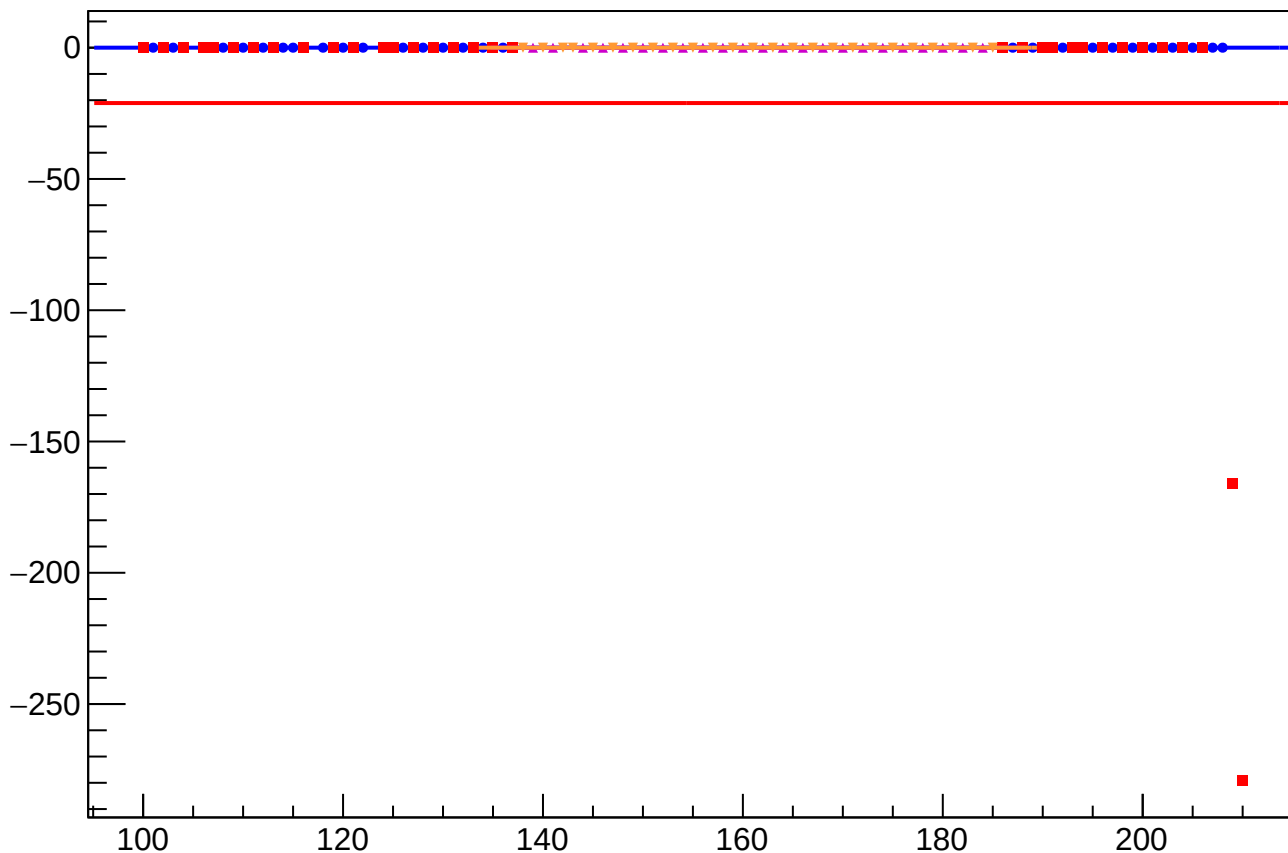
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 0.3/51

All: -5.282+/-0.000 χ^2/NDF : 9078156738720

- sign -10.396+/-0.000 χ^2/NDF : 8877854263749722

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: -21.087+/-0.000 χ^2/NDF : 8465064697319223849785425873460002816.0/32

Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 0.3/51

All: -5.286+/-0.000 χ^2/NDF : 9084394294544

- sign -10.404+/-0.000 χ^2/NDF : 8883782065682140