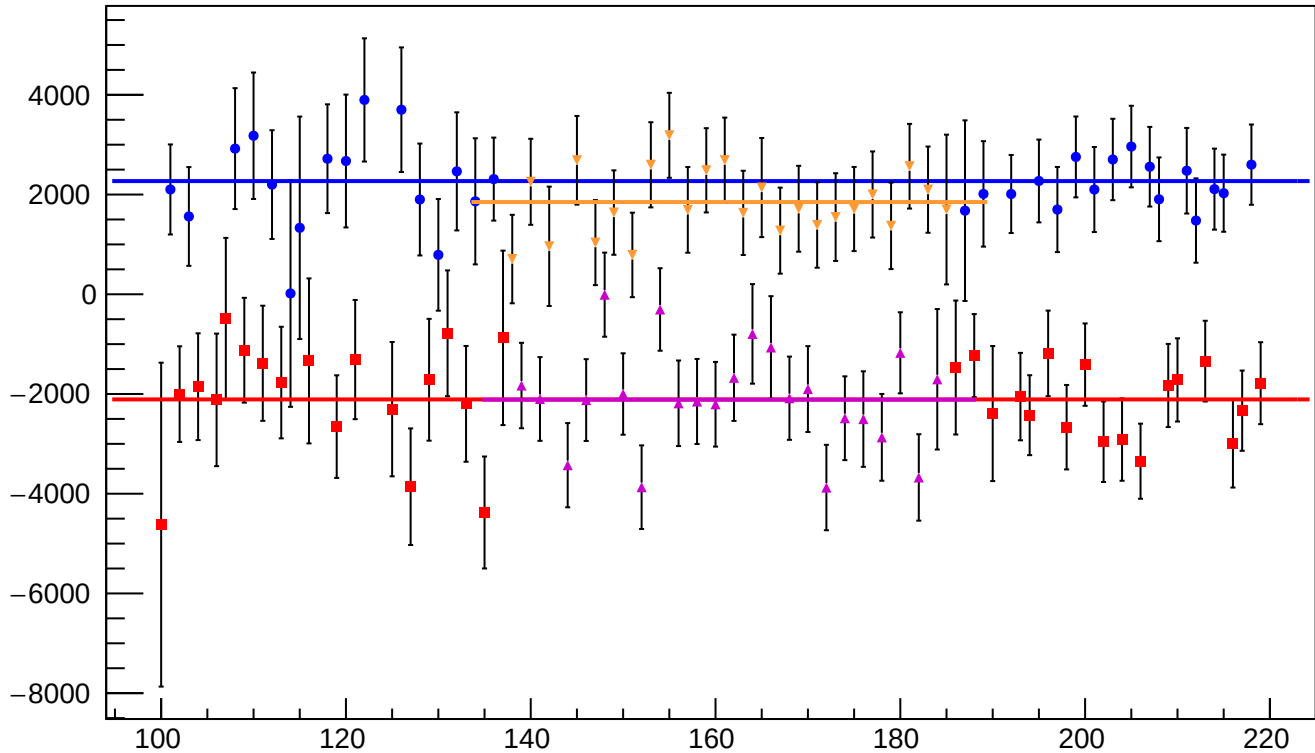


reg_asym_us_avg_mean vs Slug



Right In: 2269.929+/-171.830

χ^2/NDF : 11.5/31

Left Out: 1849.592+/-180.739

χ^2/NDF : 12.8/23

Right Out: -2108.904+/-169.042

χ^2/NDF : 23.1/34

Left In: -2114.442+/-182.028

χ^2/NDF : 31.1/22

+ sign 2070.375+/-124.533

χ^2/NDF : 27.2/55

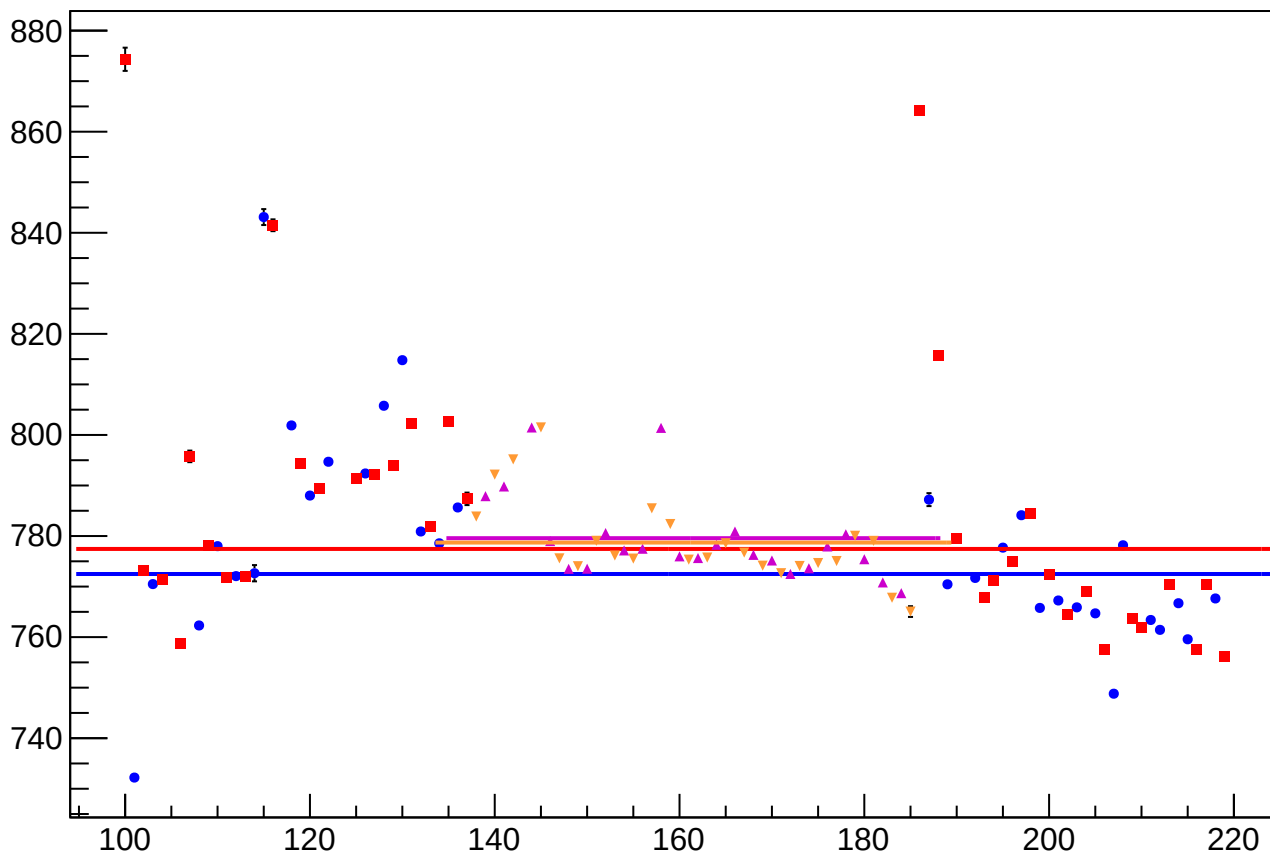
All: -31.747+/-87.822

χ^2/NDF : 648.2/113

- sign -2111.468+/-123.867

χ^2/NDF : 54.2/57

reg_asym_us_avg_rms vs Slug



Right In: 772.487 ± 0.122 $\chi^2/\text{NDF}: 18574.7/31$

Left Out: 778.708 ± 0.128 $\chi^2/\text{NDF}: 3389.8/23$

Right Out: 777.447 ± 0.120 $\chi^2/\text{NDF}: 28321.2/34$

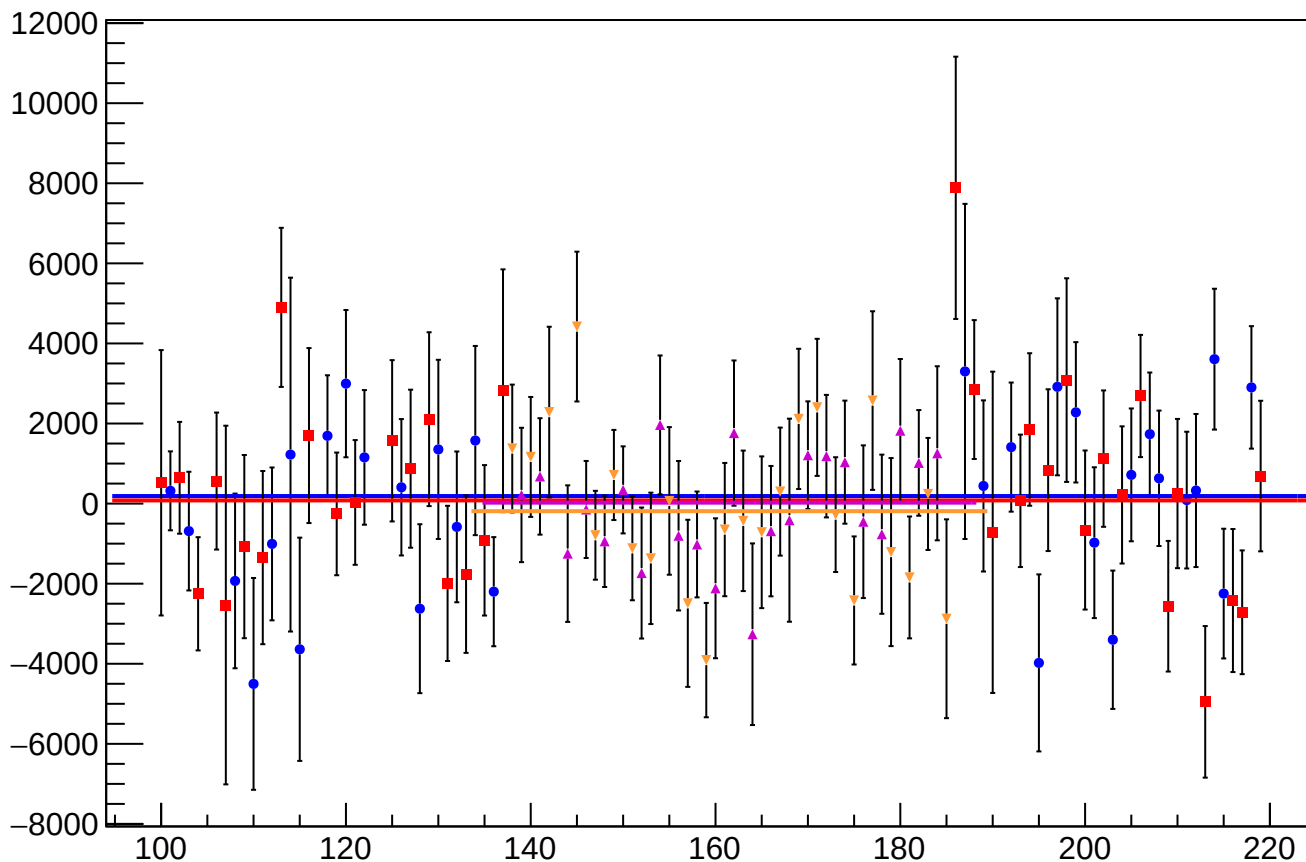
Left In: 779.575 ± 0.129 $\chi^2/\text{NDF}: 4172.9/22$

+ sign 775.441 ± 0.088 $\chi^2/\text{NDF}: 23209.2/55$

All: 776.944 ± 0.062 $\chi^2/\text{NDF}: 56430.2/113$

- sign 778.432 ± 0.088 $\chi^2/\text{NDF}: 32640.9/57$

asym_us_avg_reg_correction_mean vs Slug



Right In: 188.799 $\pm$ 315.534 χ^2 /NDF: 38.8/31

Left Out: -189.006 $\pm$ 327.675 χ^2 /NDF:29.6/23

Right Out: 79.537 $\pm$ 321.260 χ^2 /NDF: 44.3/34

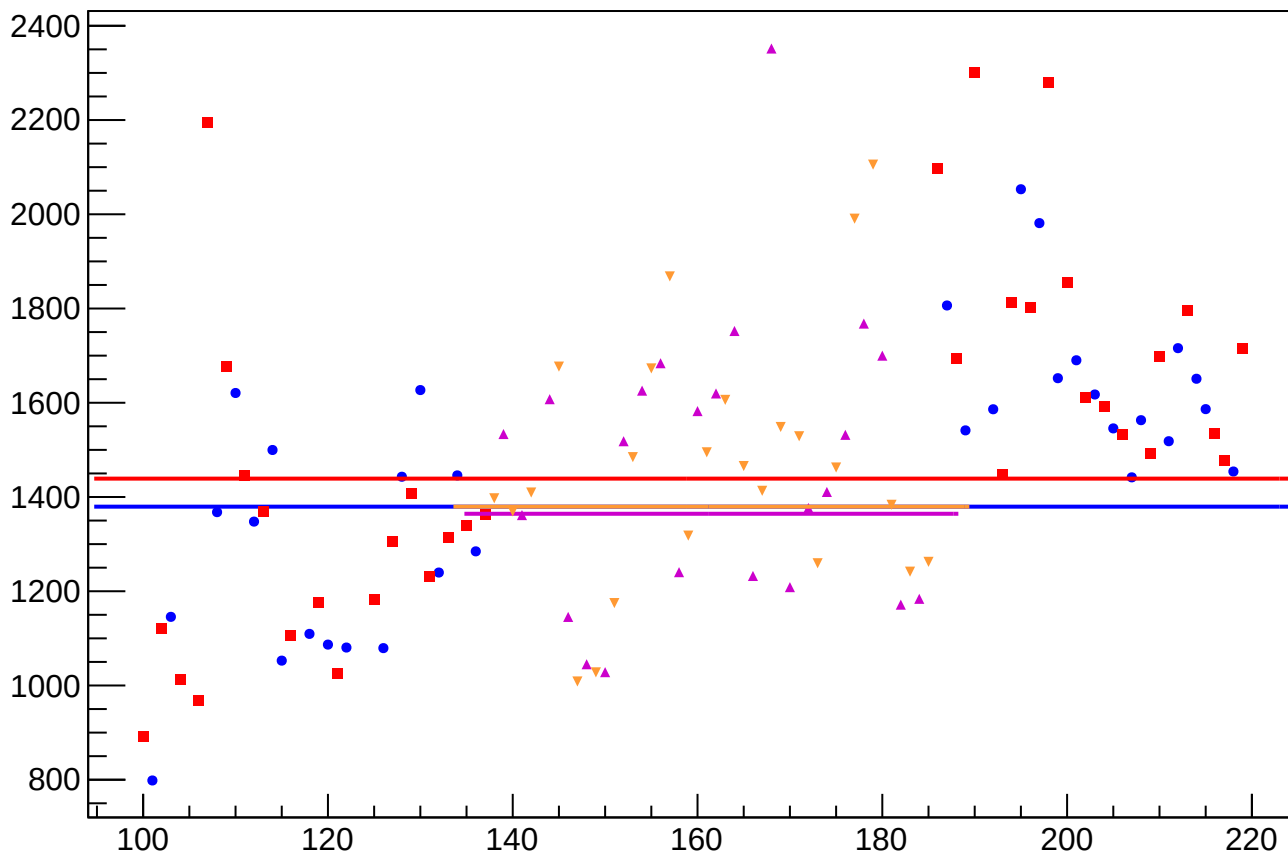
Left In: 23.750 $\pm$ 325.809 χ^2 /NDF:13.5/22

+ sign 7.025 $\pm$ 227.287 χ^2 /NDF: 69.1/55

All: 29.385 $\pm$ 161.233 χ^2 /NDF: 126.9/113

- sign 52.036 $\pm$ 228.756 χ^2 /NDF: 57.8/57

asym_us_avg_reg_correction_rms vs Slug



Right In: 1379.508 $\pm$ 0.223 χ^2 /NDF: 1826086.1/31

Left Out: 1379.536 $\pm$ 0.232 χ^2 /NDF:1158468.5/23

Right Out: 1439.008 $\pm$ 0.227 χ^2 /NDF: 1770376.8/34

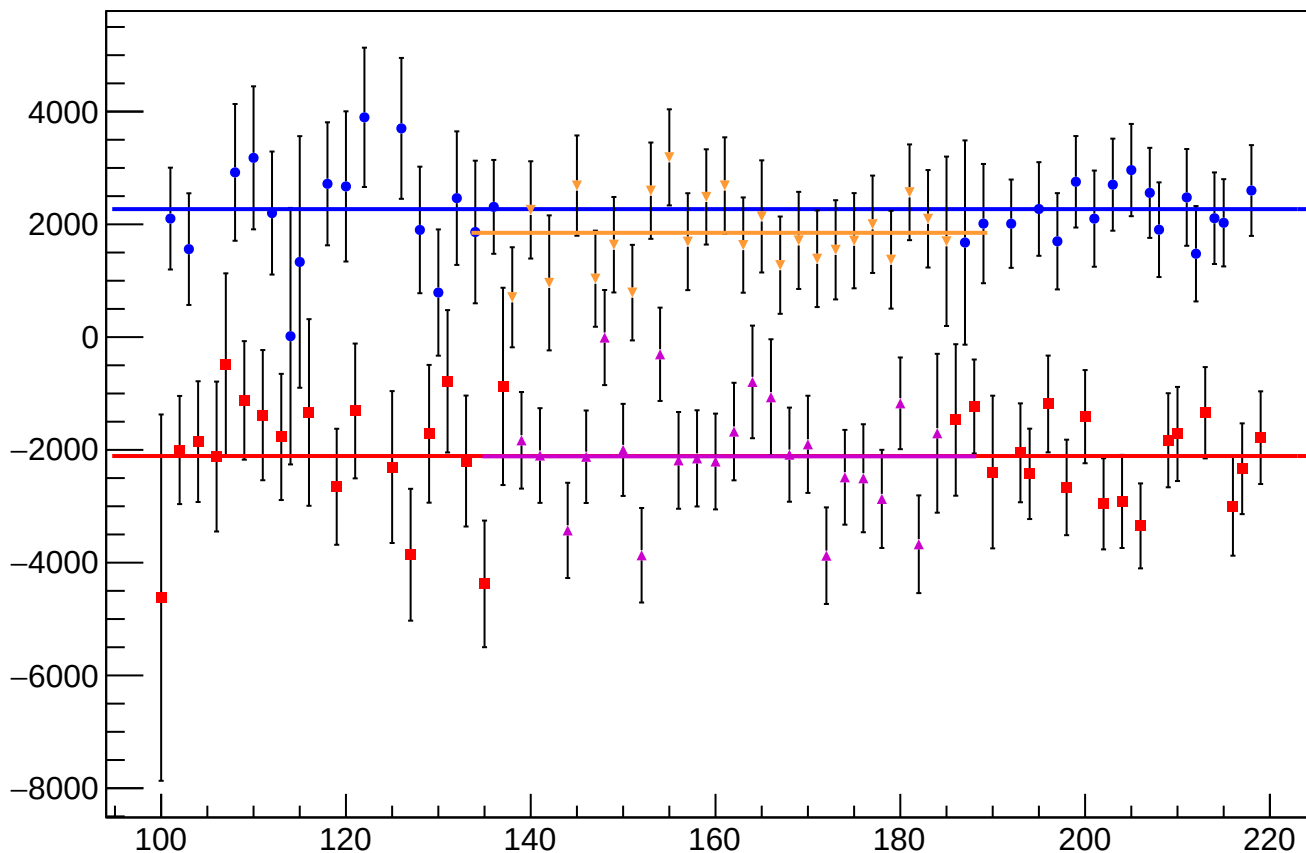
Left In: 1364.412 $\pm$ 0.230 χ^2 /NDF:1312299.5/22

+ sign 1379.522 $\pm$ 0.161 χ^2 /NDF: 2984554.6/55

All: 1390.805 $\pm$ 0.114 χ^2 /NDF: 6130311.1/11

- sign 1402.234 $\pm$ 0.162 χ^2 /NDF: 3135834.9/57

cor_asym_us_avg_mean vs Slug



Right In: 2269.929 $\pm$ 171.830 χ^2 /NDF: 11.5/31

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

Right Out: -2108.904 $\pm$ 169.042 χ^2 /NDF: 23.1/34

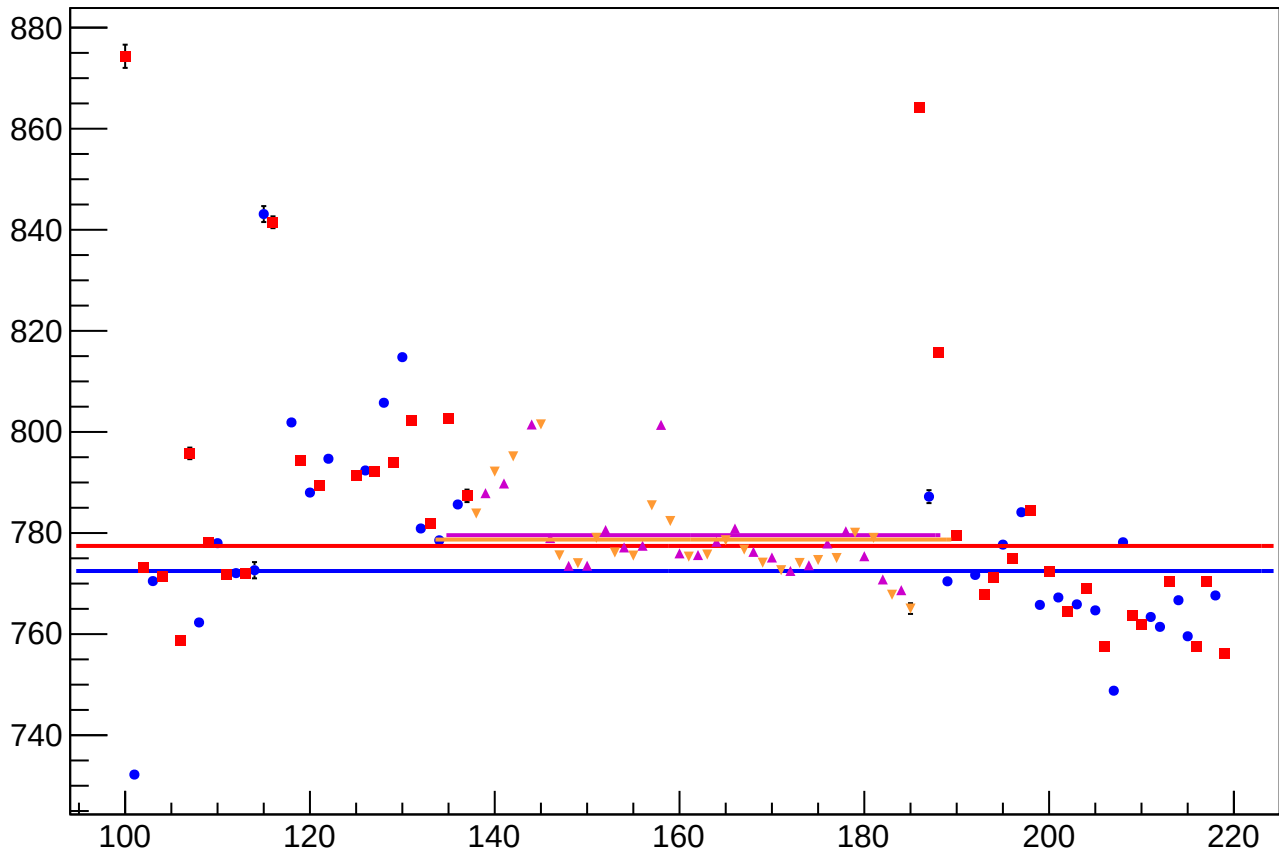
Left In: -2114.442 $\pm$ 182.028 χ^2 /NDF:31.1/22

+ sign 2070.375 $\pm$ 124.533 χ^2 /NDF: 27.2/55

All: -31.747 $\pm$ 87.822 χ^2 /NDF: 648.2/113

- sign -2111.468 $\pm$ 123.867 χ^2 /NDF: 54.2/57

cor_asym_us_avg_rms vs Slug



Right In: 772.487 ± 0.122 $\chi^2/\text{NDF}: 18574.7/31$

Left Out: 778.708 ± 0.128 $\chi^2/\text{NDF}: 3389.8/23$

Right Out: 777.447 ± 0.120 $\chi^2/\text{NDF}: 28321.2/34$

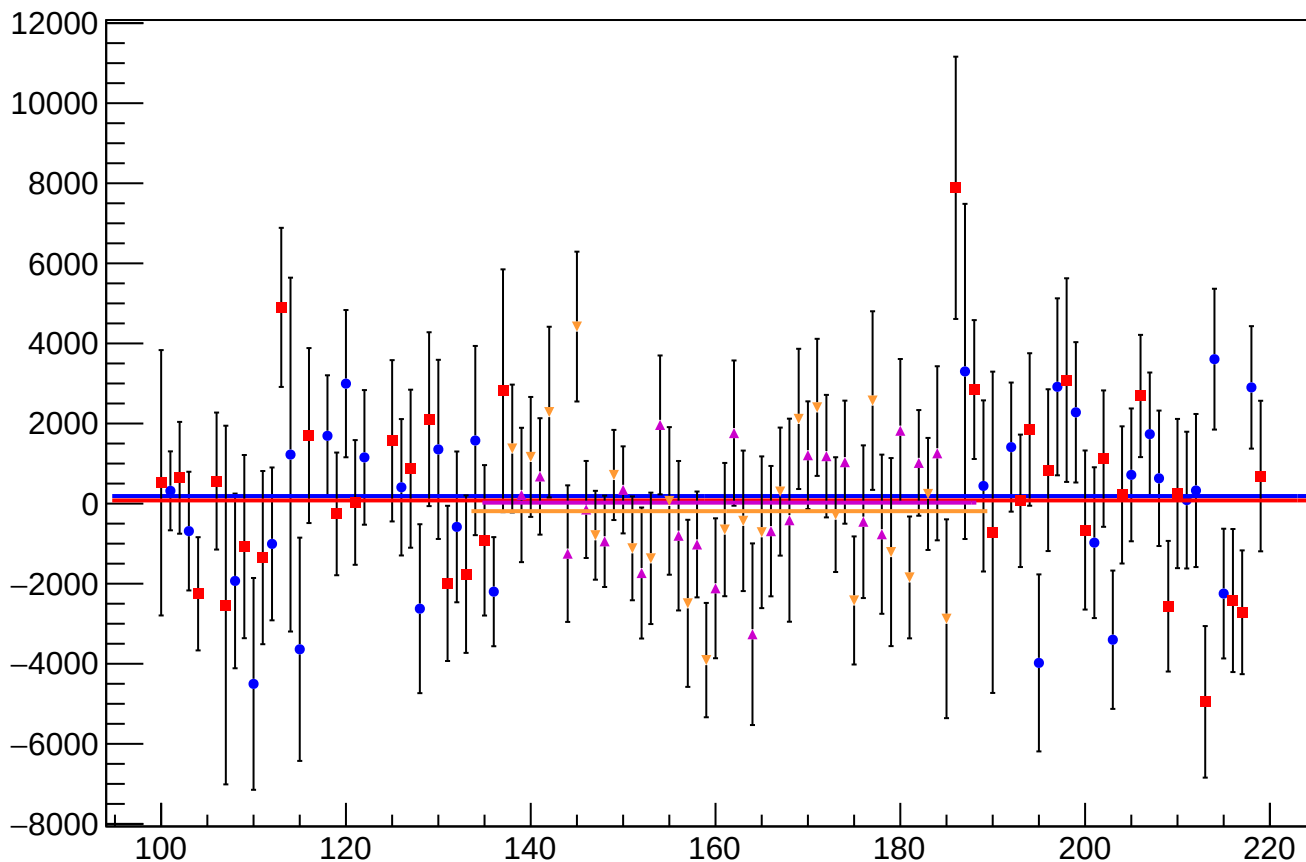
Left In: 779.575 ± 0.129 $\chi^2/\text{NDF}: 4172.9/22$

+ sign 775.441 ± 0.088 $\chi^2/\text{NDF}: 23209.2/55$

All: 776.944 ± 0.062 $\chi^2/\text{NDF}: 56430.2/113$

- sign 778.432 ± 0.088 $\chi^2/\text{NDF}: 32640.9/57$

asym_us_avg_cor_correction_mean vs Slug



Right In: 188.799 ± 315.534 χ^2/NDF : 38.8/31

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

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

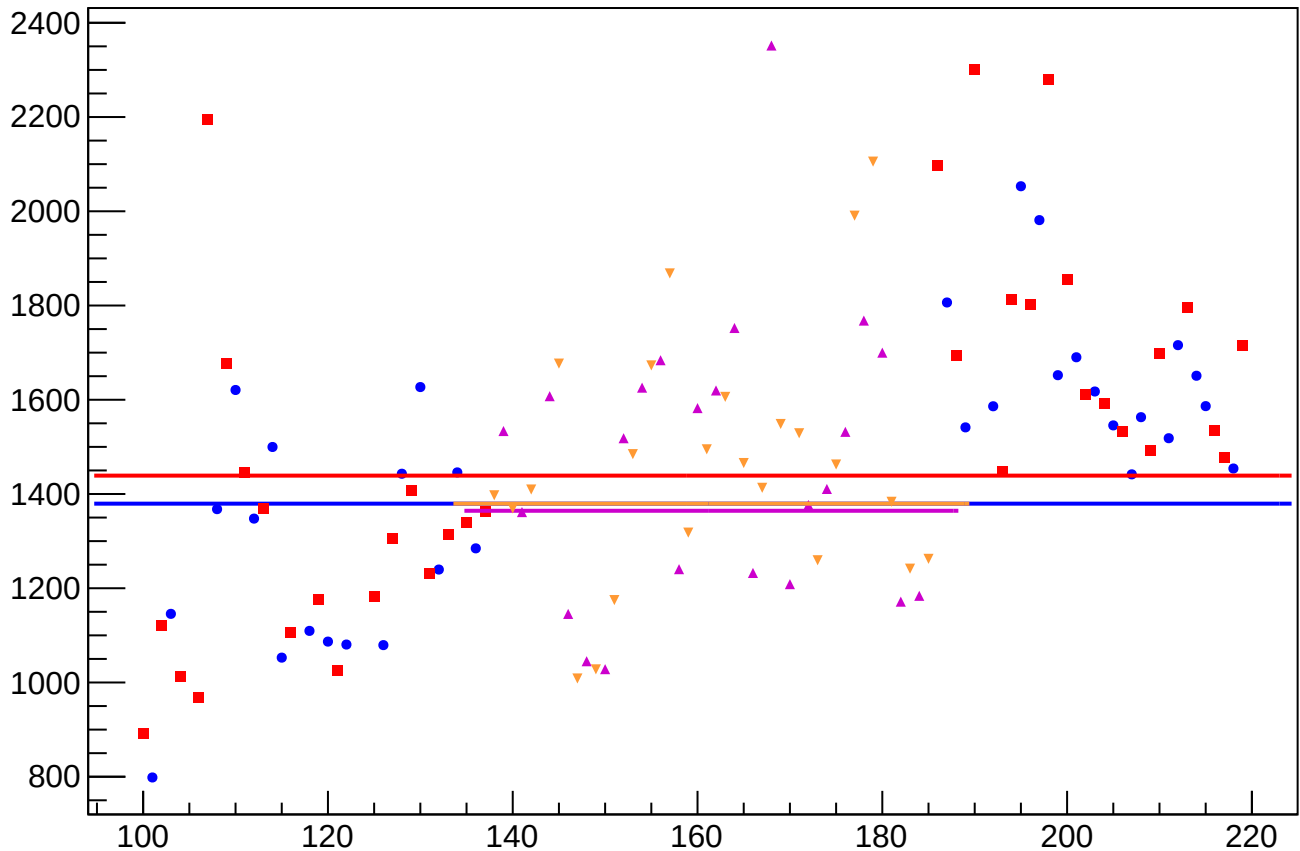
Left In: 23.750 ± 325.809 χ^2/NDF : 13.5/22

+ sign 7.025 ± 227.287 χ^2/NDF : 69.1/55

All: 29.385 ± 161.233 χ^2/NDF : 126.9/113

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

asym_us_avg_cor_correction_rms vs Slug



Right In: 1379.508 $\pm$ 0.223 χ^2 /NDF: 1826086.1/31

Left Out: 1379.536 $\pm$ 0.232 χ^2 /NDF:1158468.5/23

Right Out: 1439.008 $\pm$ 0.227 χ^2 /NDF: 1770376.8/34

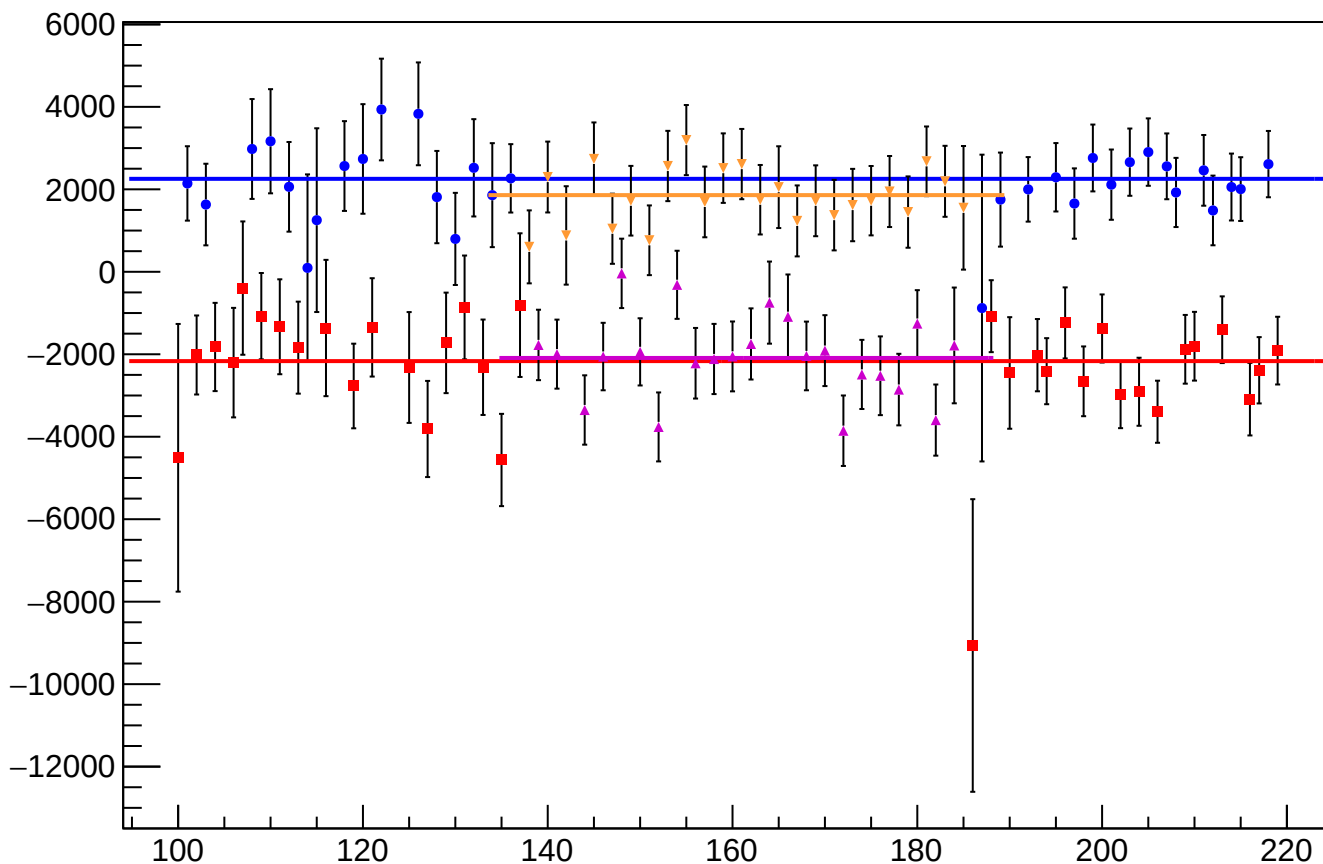
Left In: 1364.412 $\pm$ 0.230 χ^2 /NDF:1312299.5/22

+ sign 1379.522 $\pm$ 0.161 χ^2 /NDF: 2984554.6/55

All: 1390.805 $\pm$ 0.114 χ^2 /NDF: 6130311.1/11

- sign 1402.234 $\pm$ 0.162 χ^2 /NDF: 3135834.9/57

overload_cor_asym_us_avg_mean vs Slug



Right In: 2254.494 ± 172.490 χ^2/NDF : 12.5/31

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

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

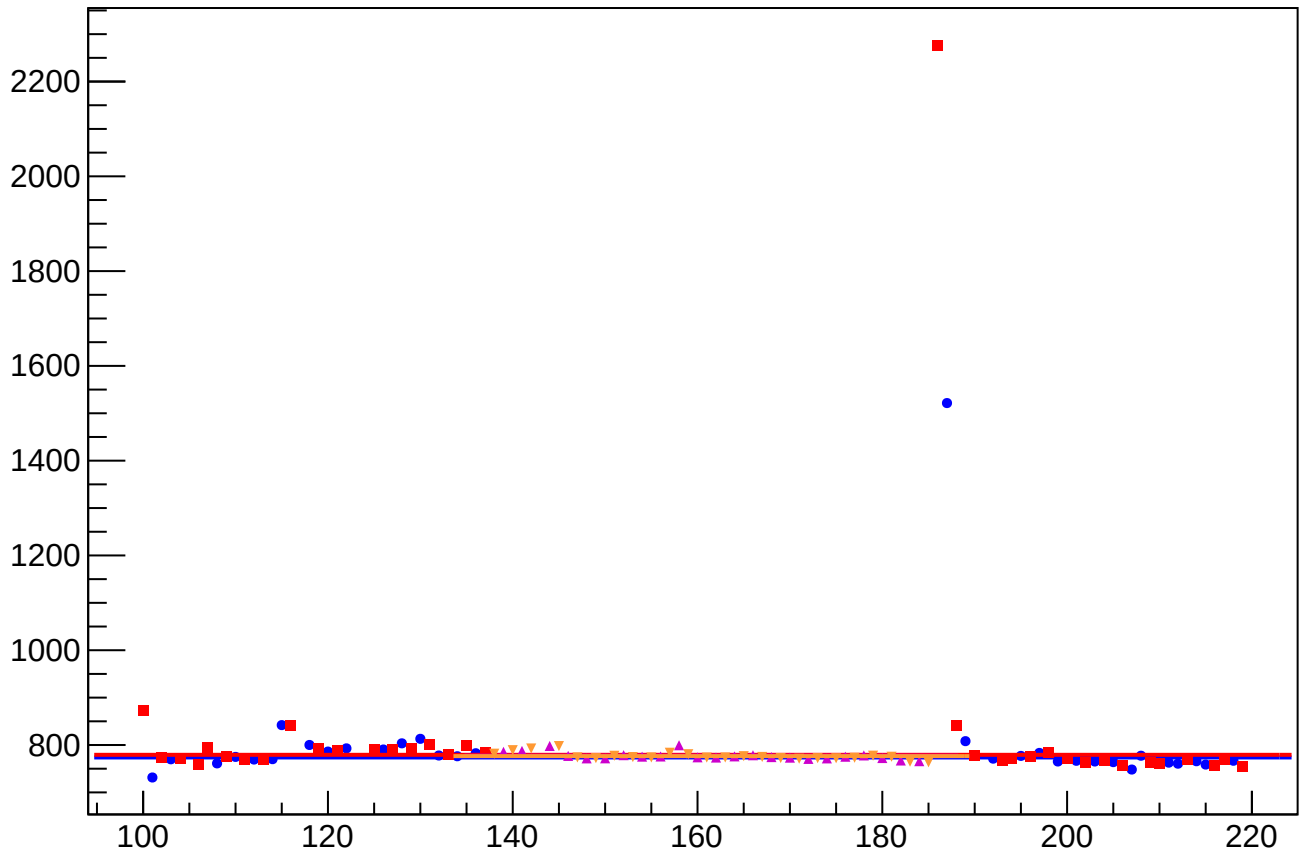
Left In: -2089.493 ± 181.523 χ^2/NDF : 29.6/22

+ sign 2065.674 ± 124.616 χ^2/NDF : 28.5/55

All: -39.248 ± 87.969 χ^2/NDF : 654.8/113

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

overload_cor_asym_us_avg_rms vs Slug



Right In: 773.705 $\pm$ 0.122 χ^2 /NDF: 100721.2/31

Left Out: 776.523 $\pm$ 0.127 χ^2 /NDF:3137.1/23

Right Out: 779.303 $\pm$ 0.120 χ^2 /NDF: 382786.5/34

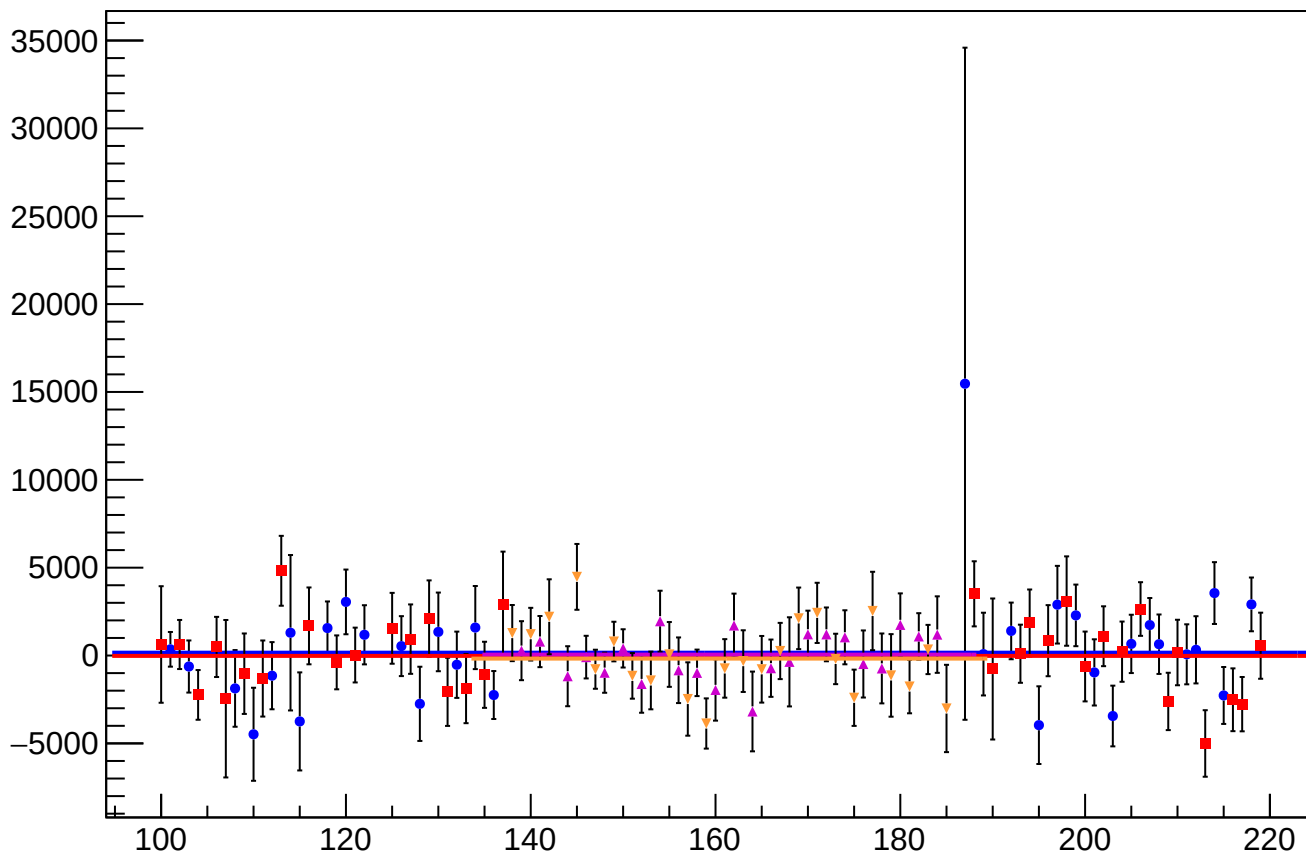
Left In: 777.413 $\pm$ 0.128 χ^2 /NDF:4062.1/22

+ sign 775.052 $\pm$ 0.088 χ^2 /NDF: 104113.5/55

All: 776.741 $\pm$ 0.062 χ^2 /NDF: 491809.6/113

- sign 778.418 $\pm$ 0.088 χ^2 /NDF: 386964.0/57

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: 162.742 $\pm$ 317.201 χ^2 /NDF: 39.1/31

Left Out: -174.932 $\pm$ 327.991 χ^2 /NDF: 29.6/23

Right Out: -20.396 $\pm$ 323.695 χ^2 /NDF: 39.9/33

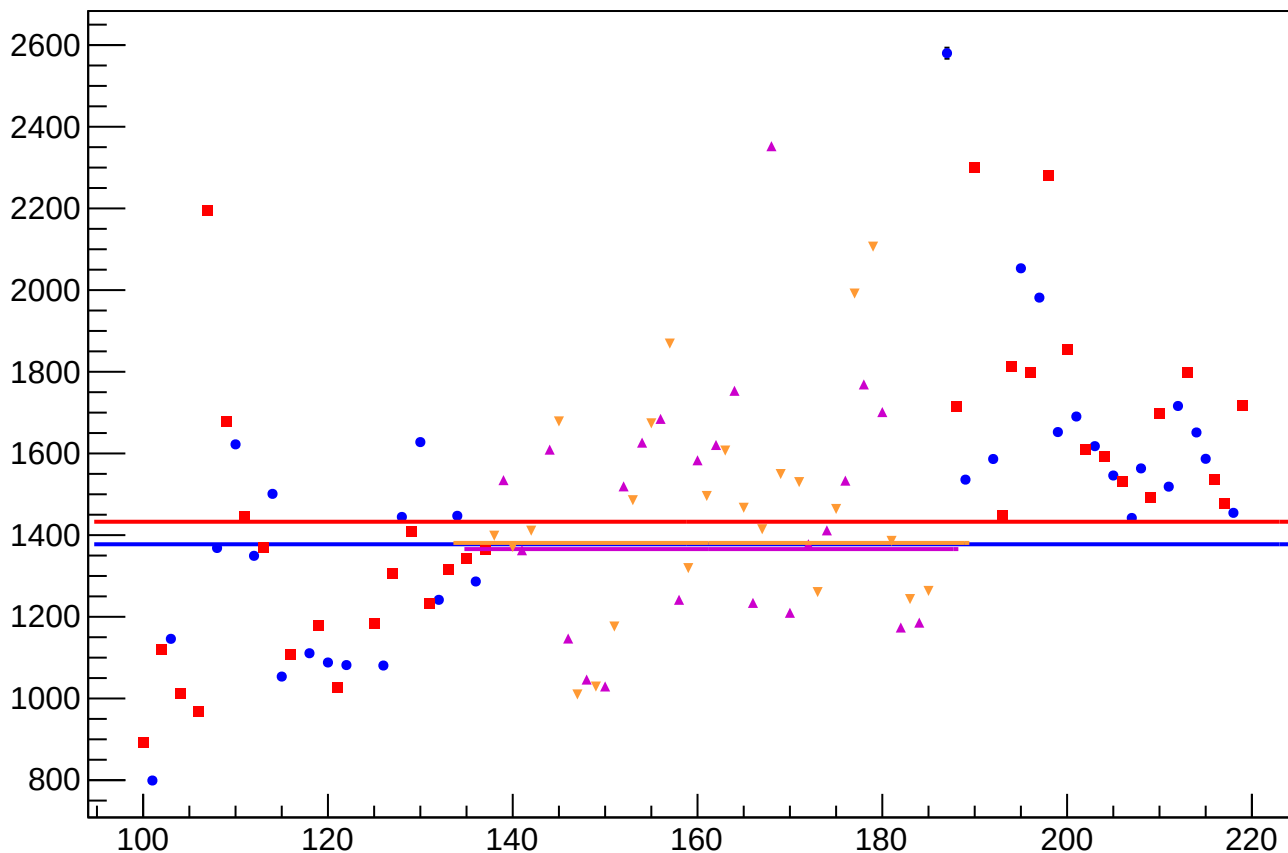
Left In: 52.820 $\pm$ 326.124 χ^2 /NDF: 13.0/22

+ sign -0.449 $\pm$ 228.014 χ^2 /NDF: 69.3/55

All: 7.683 $\pm$ 161.837 χ^2 /NDF: 122.2/112

- sign 15.938 $\pm$ 229.741 χ^2 /NDF: 52.9/56

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1377.623+/-0.224 χ^2/NDF : 1805210.4/31

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

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

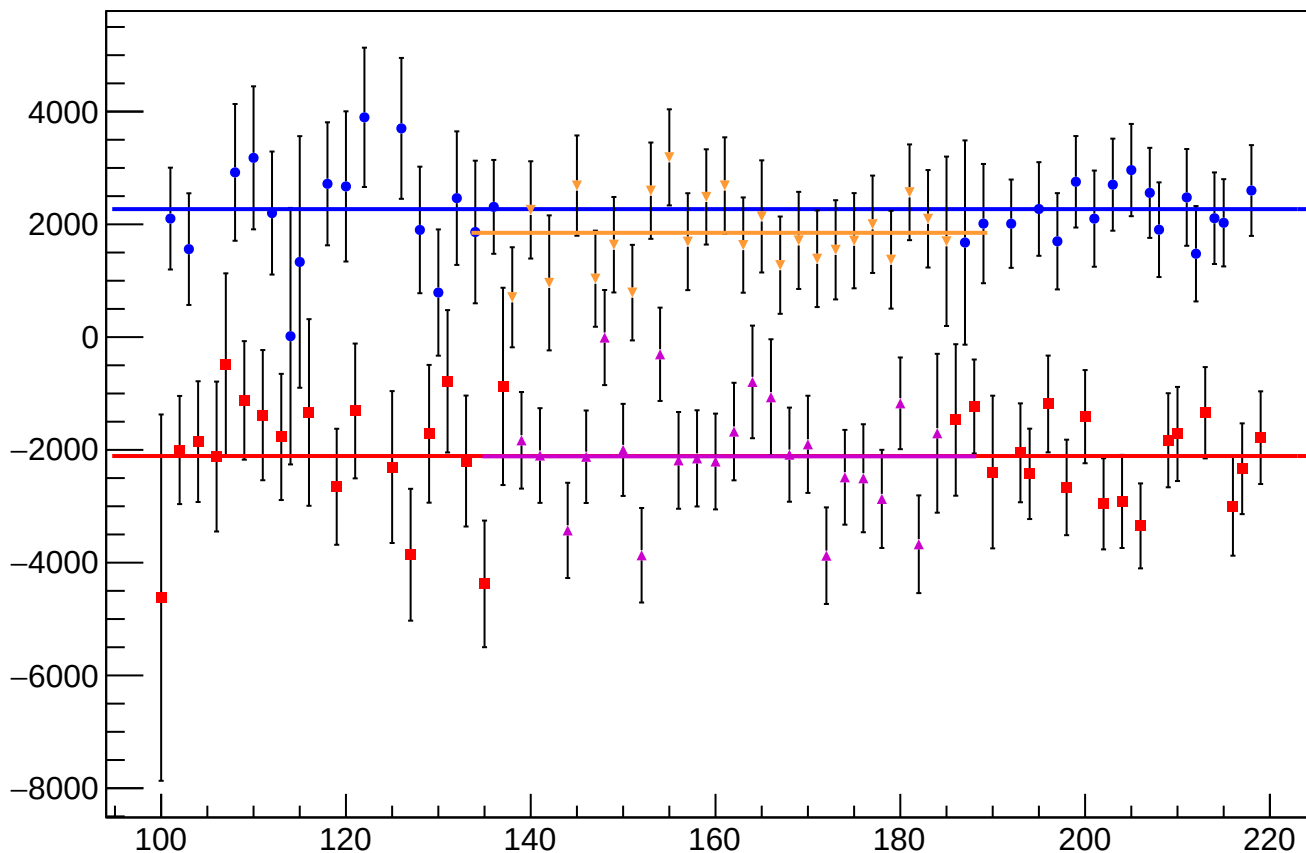
Left In: 1365.811+/-0.231 χ^2/NDF : 1308862.5/22

+ sign 1379.232+/-0.161 χ^2/NDF : 2960754.5/55

All: 1389.316+/-0.114 χ^2/NDF : 6003005.6/11

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

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2269.929 $\pm$ 171.830 χ^2 /NDF: 11.5/31

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

Right Out: -2108.904 $\pm$ 169.042 χ^2 /NDF: 23.1/34

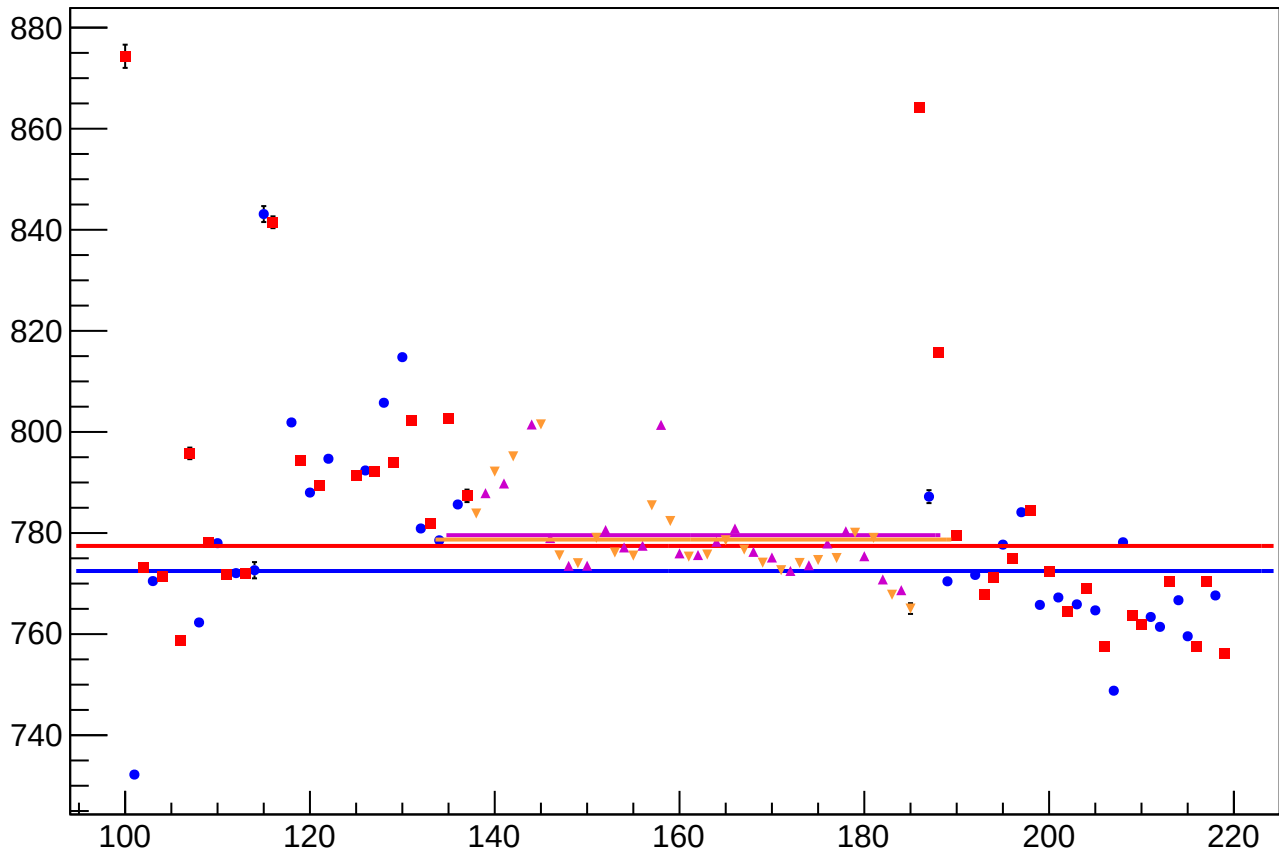
Left In: -2114.442 $\pm$ 182.028 χ^2 /NDF:31.1/22

+ sign 2070.375 $\pm$ 124.533 χ^2 /NDF: 27.2/55

All: -31.747 $\pm$ 87.822 χ^2 /NDF: 648.2/113

- sign -2111.468 $\pm$ 123.867 χ^2 /NDF: 54.2/57

eigen_cor_asym_us_avg_rms vs Slug



Right In: 772.487 ± 0.122 $\chi^2/\text{NDF}: 18574.7/31$

Left Out: 778.708 ± 0.128 $\chi^2/\text{NDF}: 3389.8/23$

Right Out: 777.447 ± 0.120 $\chi^2/\text{NDF}: 28321.2/34$

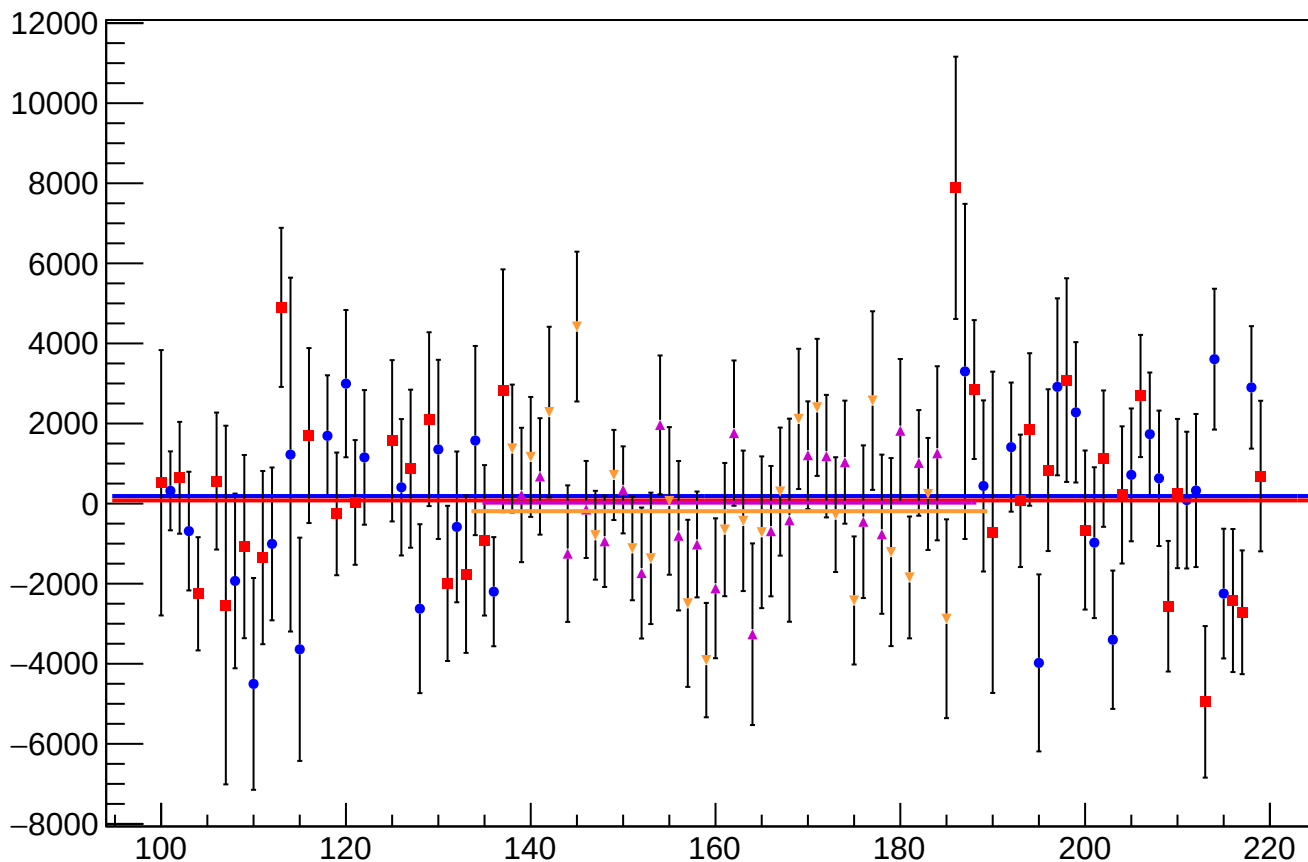
Left In: 779.575 ± 0.129 $\chi^2/\text{NDF}: 4172.9/22$

+ sign 775.441 ± 0.088 $\chi^2/\text{NDF}: 23209.2/55$

All: 776.944 ± 0.062 $\chi^2/\text{NDF}: 56430.2/113$

- sign 778.432 ± 0.088 $\chi^2/\text{NDF}: 32640.9/57$

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: 188.799 $\pm$ 315.534 χ^2 /NDF: 38.8/31

Left Out: -189.006 $\pm$ 327.675 χ^2 /NDF:29.6/23

Right Out: 79.537 $\pm$ 321.260 χ^2 /NDF: 44.3/34

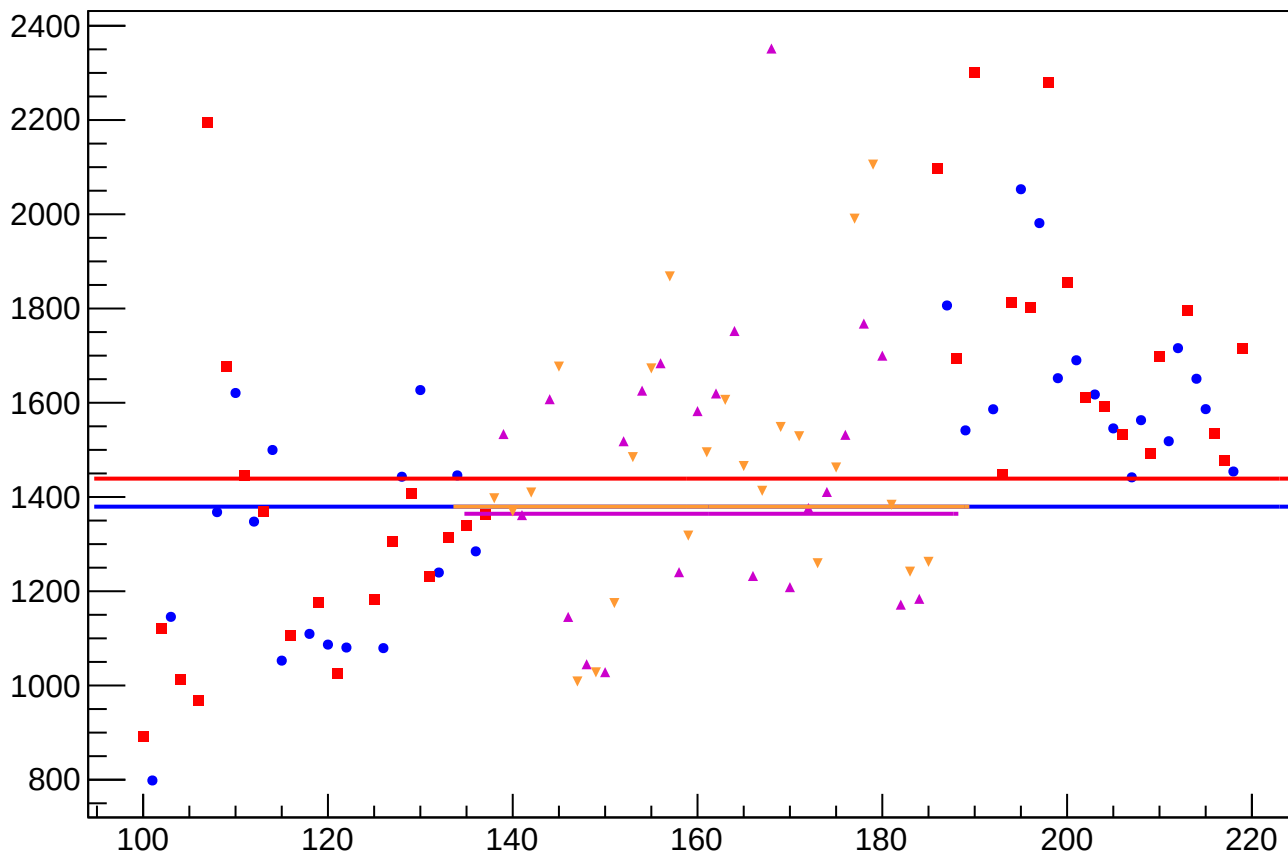
Left In: 23.750 $\pm$ 325.809 χ^2 /NDF:13.5/22

+ sign 7.025 $\pm$ 227.287 χ^2 /NDF: 69.1/55

All: 29.385 $\pm$ 161.233 χ^2 /NDF: 126.9/113

- sign 52.036 $\pm$ 228.756 χ^2 /NDF: 57.8/57

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1379.508 $\pm$ 0.223 χ^2 /NDF: 1826086.1/31

Left Out: 1379.536 $\pm$ 0.232 χ^2 /NDF: 1158468.5/23

Right Out: 1439.008 $\pm$ 0.227 χ^2 /NDF: 1770376.8/34

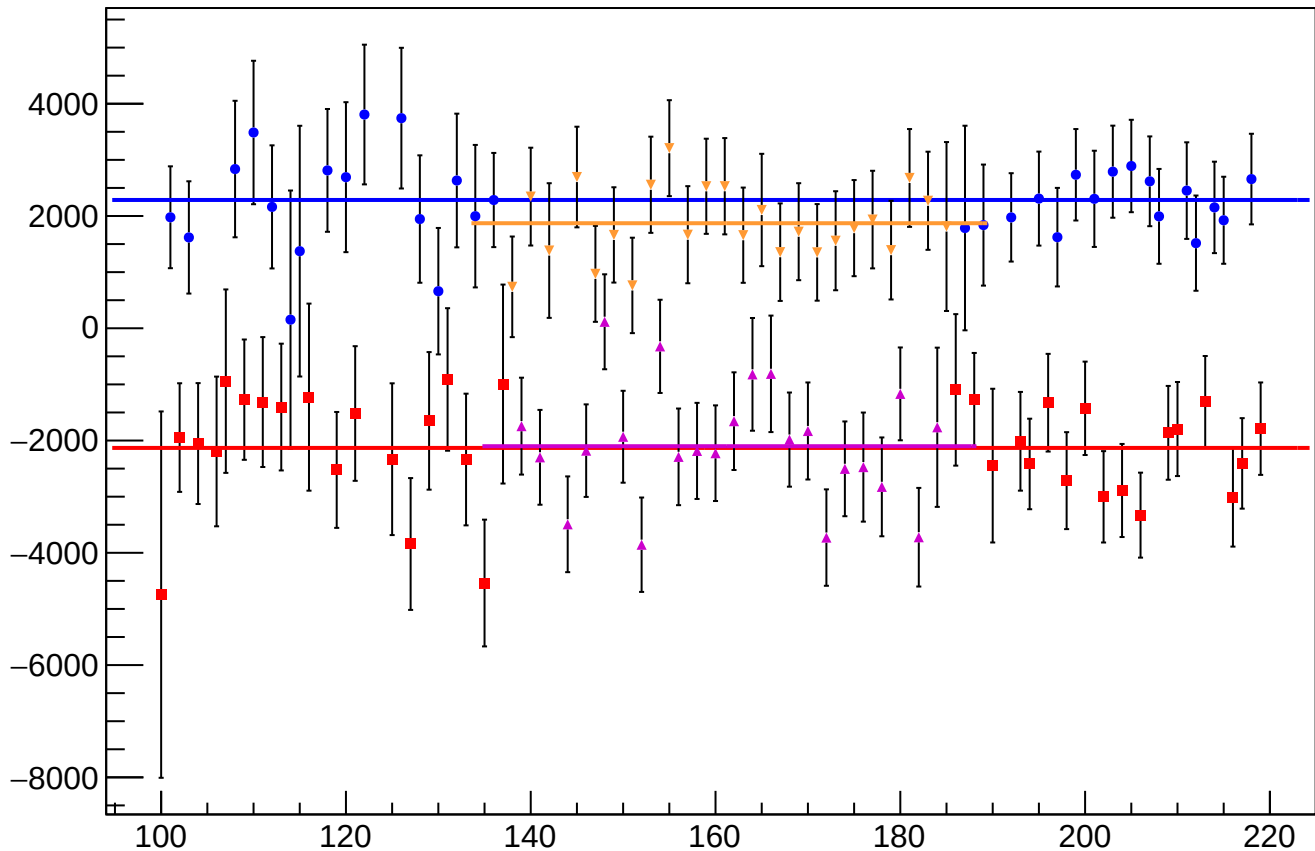
Left In: 1364.412 $\pm$ 0.230 χ^2 /NDF: 1312299.5/22

+ sign 1379.522 $\pm$ 0.161 χ^2 /NDF: 2984554.6/55

All: 1390.805 $\pm$ 0.114 χ^2 /NDF: 6130311.1/11

- sign 1402.234 $\pm$ 0.162 χ^2 /NDF: 3135834.9/57

dit_asym_us_avg_mean vs Slug



Right In: 2285.672 $\pm$ 172.887 χ^2/NDF : 12.0/31

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

Right Out: -2131.516 $\pm$ 170.055 χ^2/NDF : 22.6/34

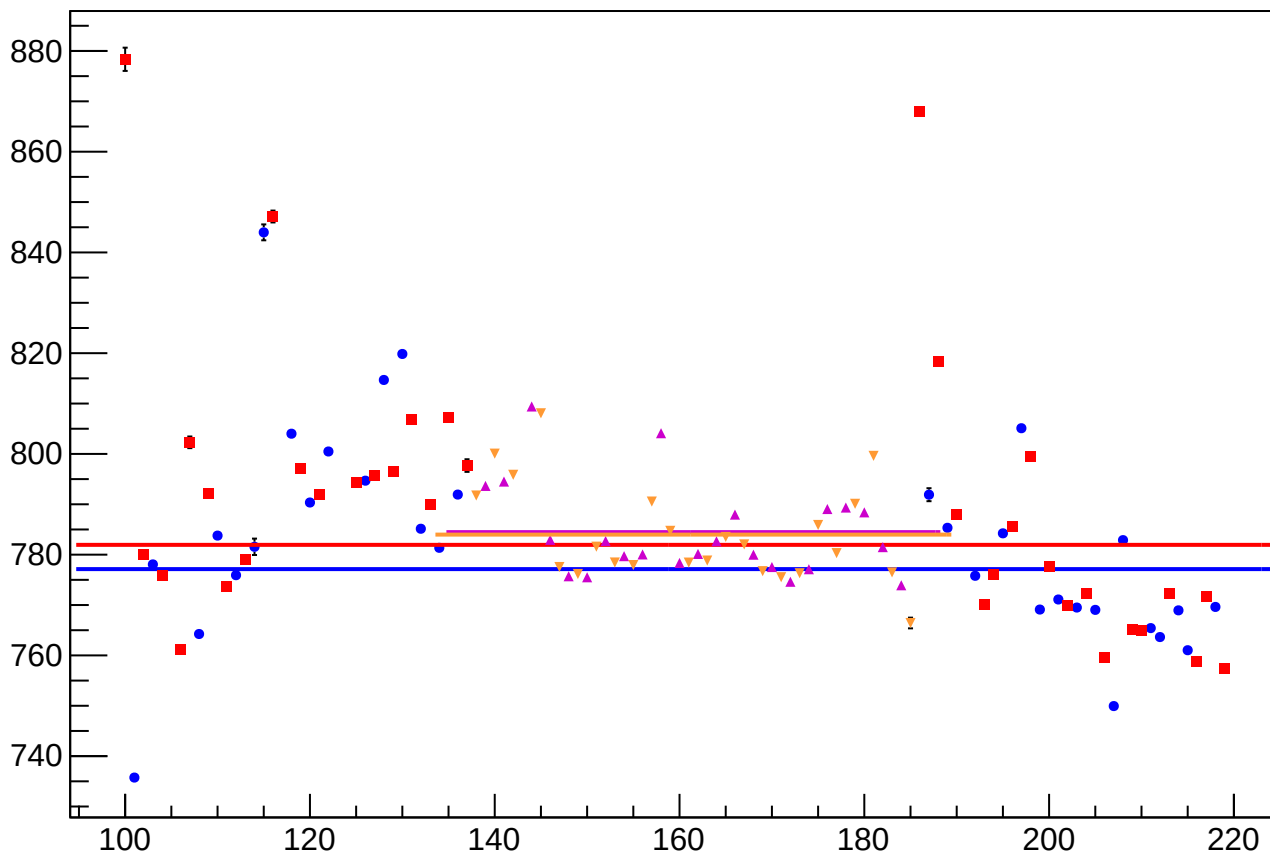
Left In: -2101.047 $\pm$ 183.179 χ^2/NDF :31.8/22

+ sign 2089.167 $\pm$ 125.340 χ^2/NDF : 27.2/55

All: -26.089 $\pm$ 88.376 χ^2/NDF : 647.9/113

- sign -2117.412 $\pm$ 124.629 χ^2/NDF : 54.4/57

dit_asym_us_avg_rms vs Slug



Right In: 777.132 ± 0.122 $\chi^2/\text{NDF}: 22150.5/31$

Left Out: 783.982 ± 0.129 $\chi^2/\text{NDF}: 4928.0/23$

Right Out: 781.946 ± 0.120 $\chi^2/\text{NDF}: 30503.5/34$

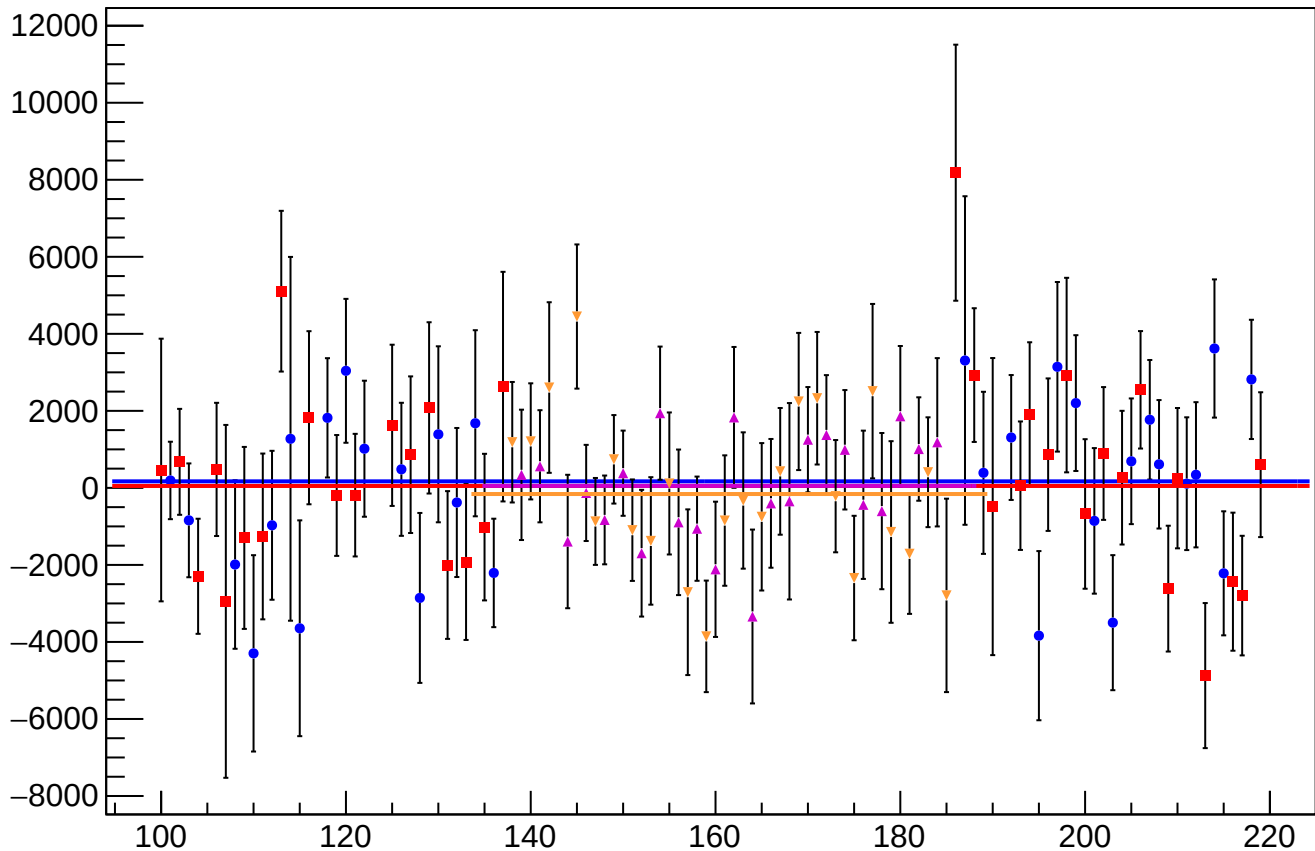
Left In: 784.473 ± 0.130 $\chi^2/\text{NDF}: 4927.7/22$

+ sign 780.381 ± 0.089 $\chi^2/\text{NDF}: 28567.8/55$

All: 781.756 ± 0.062 $\chi^2/\text{NDF}: 64681.8/113$

- sign 783.116 ± 0.088 $\chi^2/\text{NDF}: 35635.5/57$

asym_us_avg_dit_correction_mean vs Slug



Right In: 169.957 $\pm$ 318.925 χ^2 /NDF: 38.3/31

Left Out: -159.275 $\pm$ 332.190 χ^2 /NDF:29.1/23

Right Out: 49.802 $\pm$ 324.020 χ^2 /NDF: 44.3/34

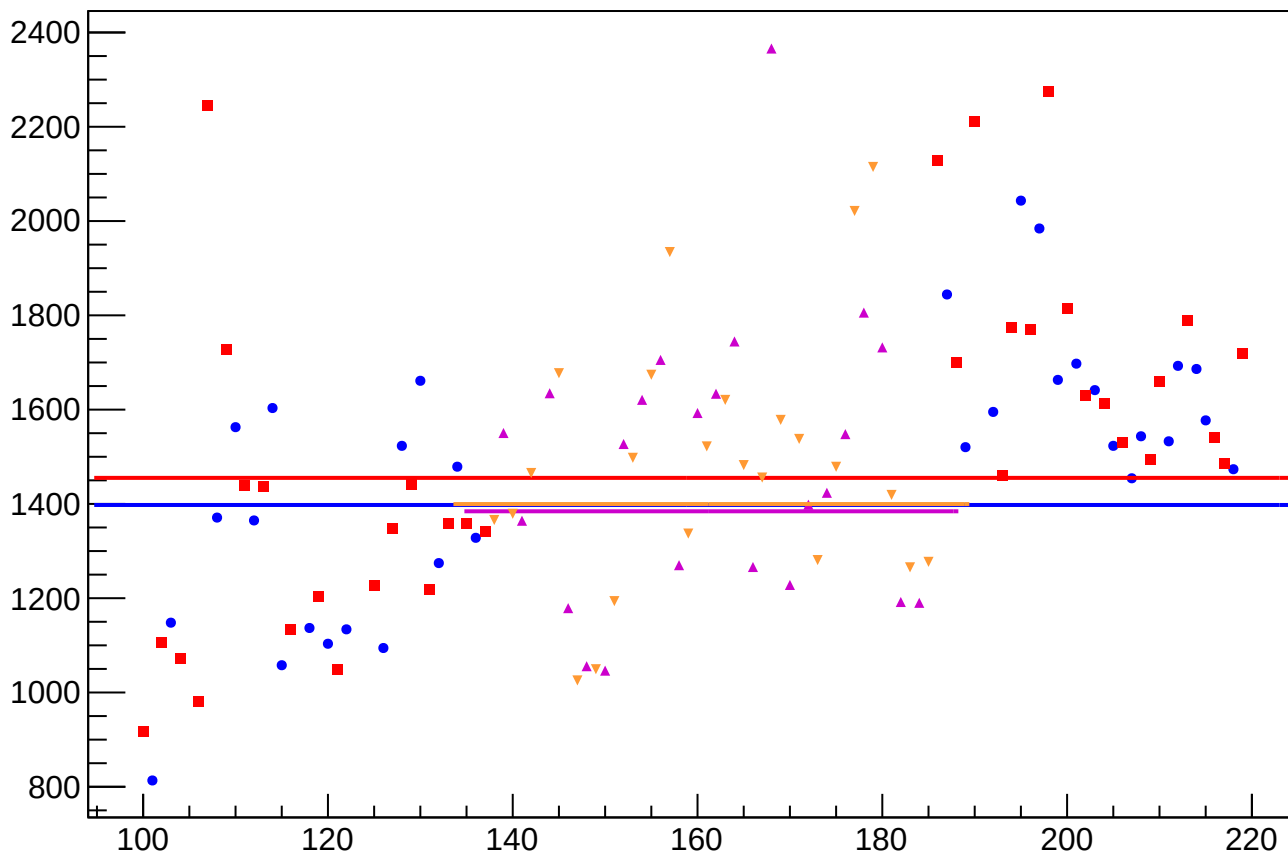
Left In: 51.975 $\pm$ 330.206 χ^2 /NDF:13.4/22

+ sign 12.046 $\pm$ 230.061 χ^2 /NDF: 67.9/55

All: 31.355 $\pm$ 163.104 χ^2 /NDF: 125.6/113

- sign 50.868 $\pm$ 231.273 χ^2 /NDF: 57.7/57

asym_us_avg_dit_correction_rms vs Slug



Right In: 1397.756 $\pm$ 0.226 χ^2 /NDF: 1715737.9/31

Left Out: 1399.717 $\pm$ 0.235 χ^2 /NDF:1136350.2/23

Right Out: 1455.244 $\pm$ 0.229 χ^2 /NDF: 1604880.9/34

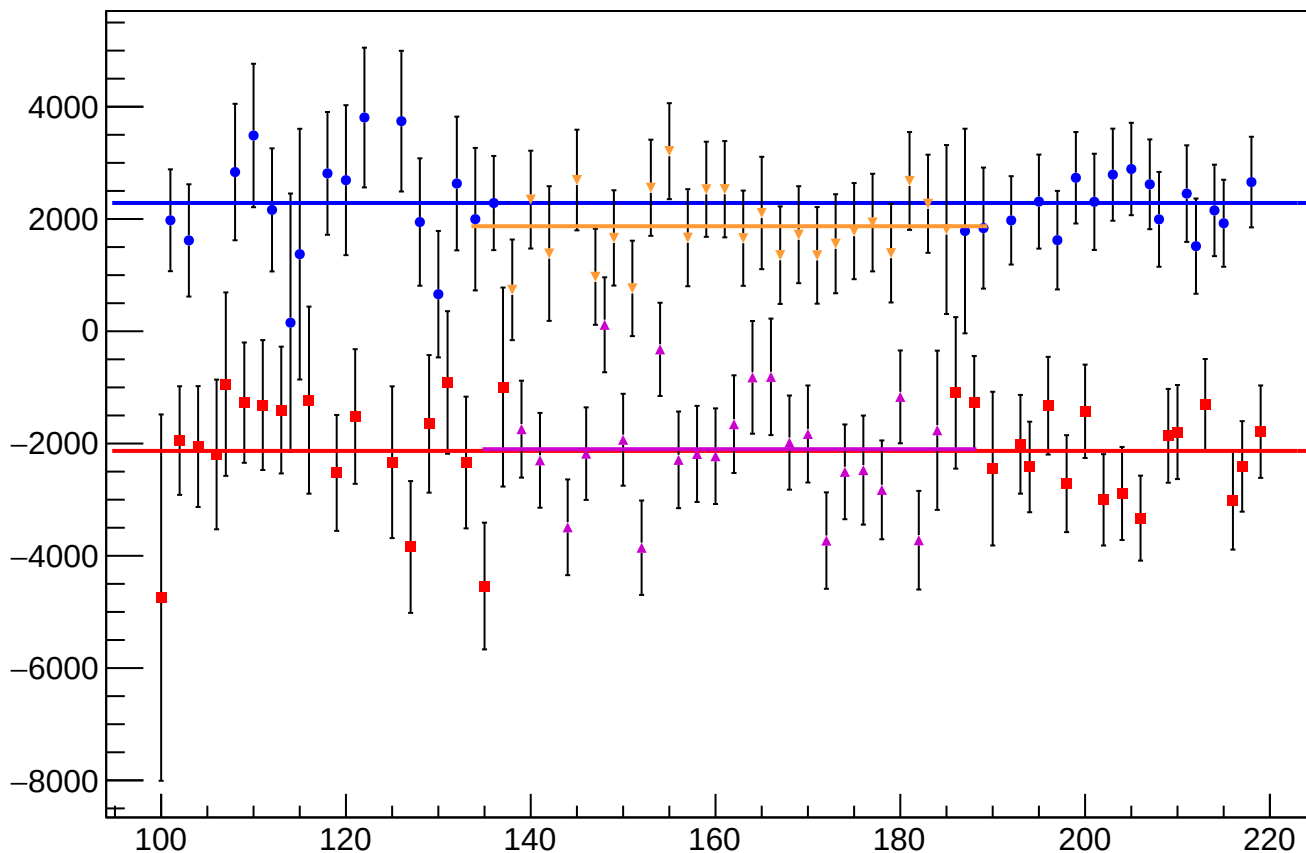
Left In: 1384.333 $\pm$ 0.233 χ^2 /NDF:1269936.6/22

+ sign 1398.696 $\pm$ 0.163 χ^2 /NDF: 2852124.4/55

All: 1409.521 $\pm$ 0.115 χ^2 /NDF: 5782832.0/11

- sign 1420.459 $\pm$ 0.164 χ^2 /NDF: 2921806.0/57

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2285.672 $\pm$ 172.887 χ^2 /NDF: 12.0/31

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

Right Out: -2131.518 $\pm$ 170.055 χ^2 /NDF: 22.6/34

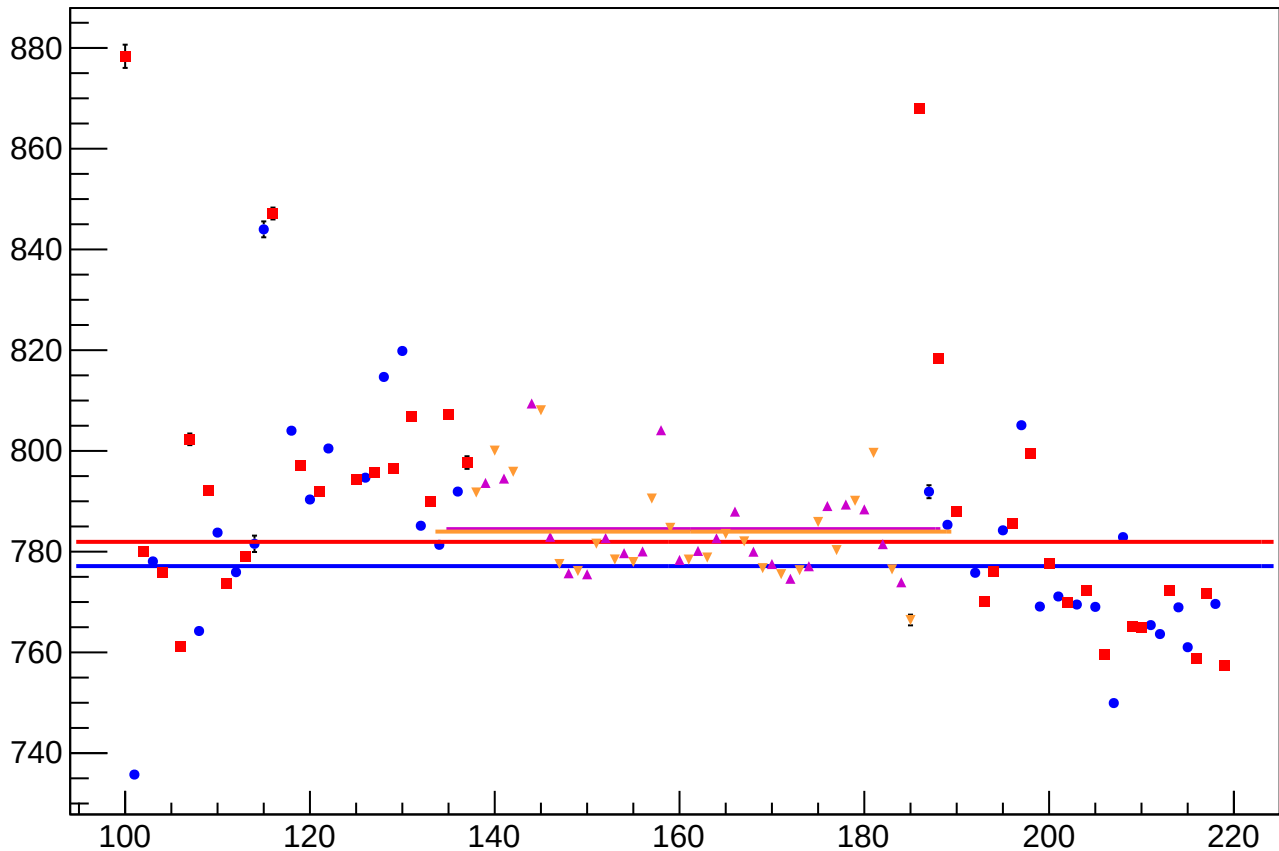
Left In: -2101.047 $\pm$ 183.179 χ^2 /NDF:31.8/22

+ sign 2089.166 $\pm$ 125.340 χ^2 /NDF: 27.2/55

All: -26.091 $\pm$ 88.376 χ^2 /NDF: 647.9/113

- sign -2117.413 $\pm$ 124.629 χ^2 /NDF: 54.4/57

eigen_dit_asym_us_avg_rms vs Slug



Right In: 777.132 $\pm$ 0.122 χ^2 /NDF: 22150.4/31

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

Right Out: 781.946 $\pm$ 0.120 χ^2 /NDF: 30503.4/34

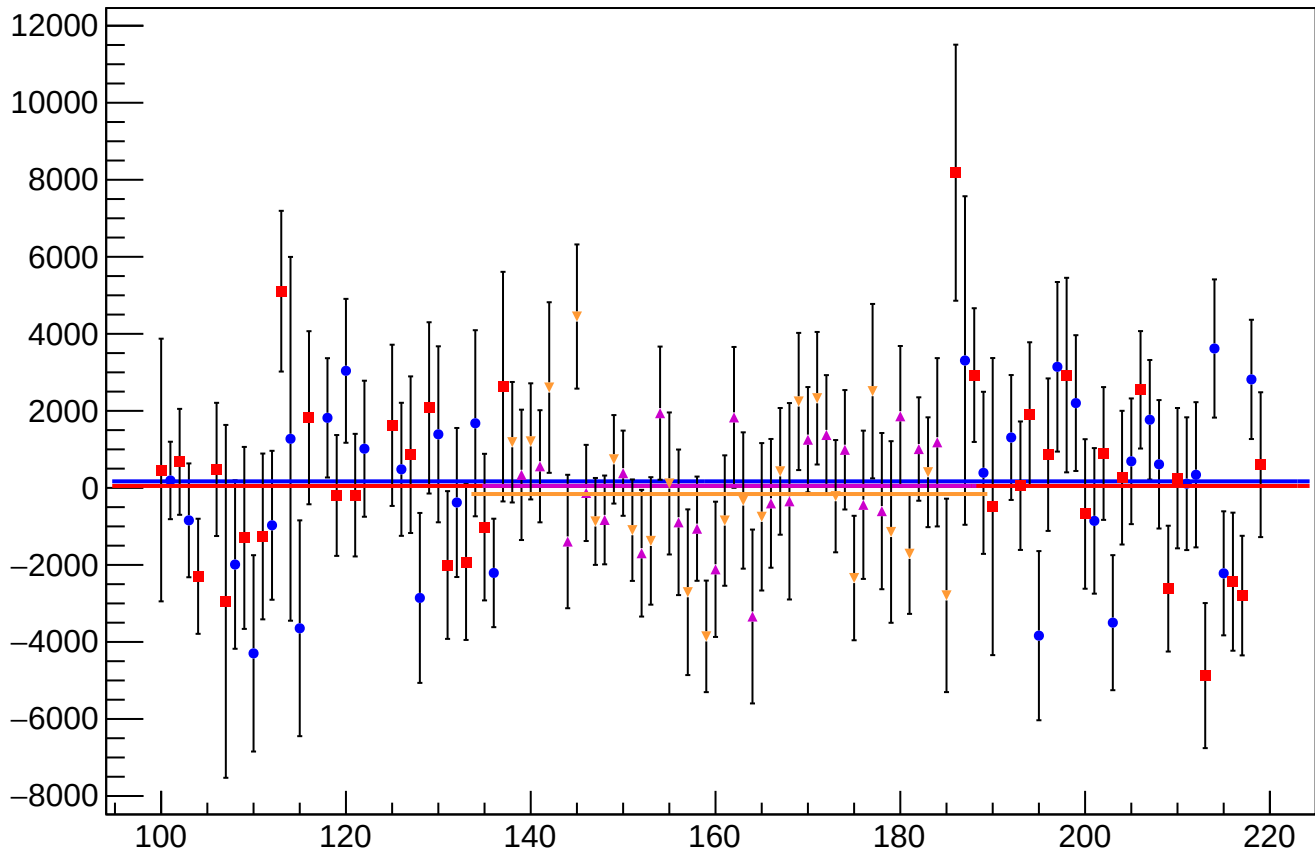
Left In: 784.473 $\pm$ 0.130 χ^2 /NDF: 4927.7/22

+ sign 780.381 $\pm$ 0.089 χ^2 /NDF: 28567.7/55

All: 781.756 $\pm$ 0.062 χ^2 /NDF: 64681.6/113

- sign 783.116 $\pm$ 0.088 χ^2 /NDF: 35635.4/57

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 169.956 ± 318.925 $\chi^2/\text{NDF}: 38.3/31$

Left Out: -159.278 ± 332.191 $\chi^2/\text{NDF}: 29.1/23$

Right Out: 49.800 ± 324.019 $\chi^2/\text{NDF}: 44.3/34$

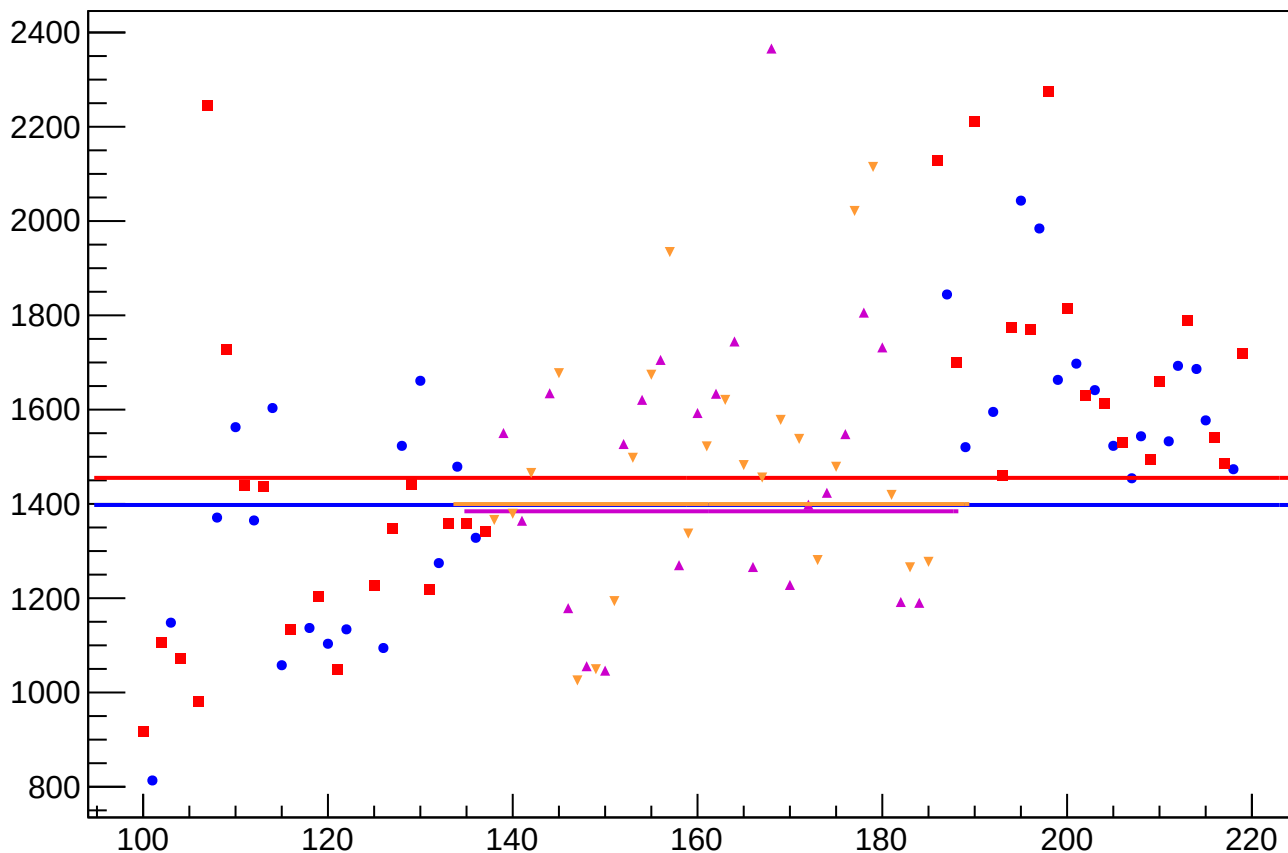
Left In: 51.975 ± 330.207 $\chi^2/\text{NDF}: 13.4/22$

+ sign 12.044 ± 230.061 $\chi^2/\text{NDF}: 67.9/55$

All: 31.354 ± 163.104 $\chi^2/\text{NDF}: 125.6/113$

- sign 50.867 ± 231.273 $\chi^2/\text{NDF}: 57.7/57$

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1397.755 $\pm$ 0.226 χ^2 /NDF: 1715760.5/31

Left Out: 1399.720 $\pm$ 0.235 χ^2 /NDF:1136351.3/23

Right Out: 1455.243 $\pm$ 0.229 χ^2 /NDF: 1604903.1/34

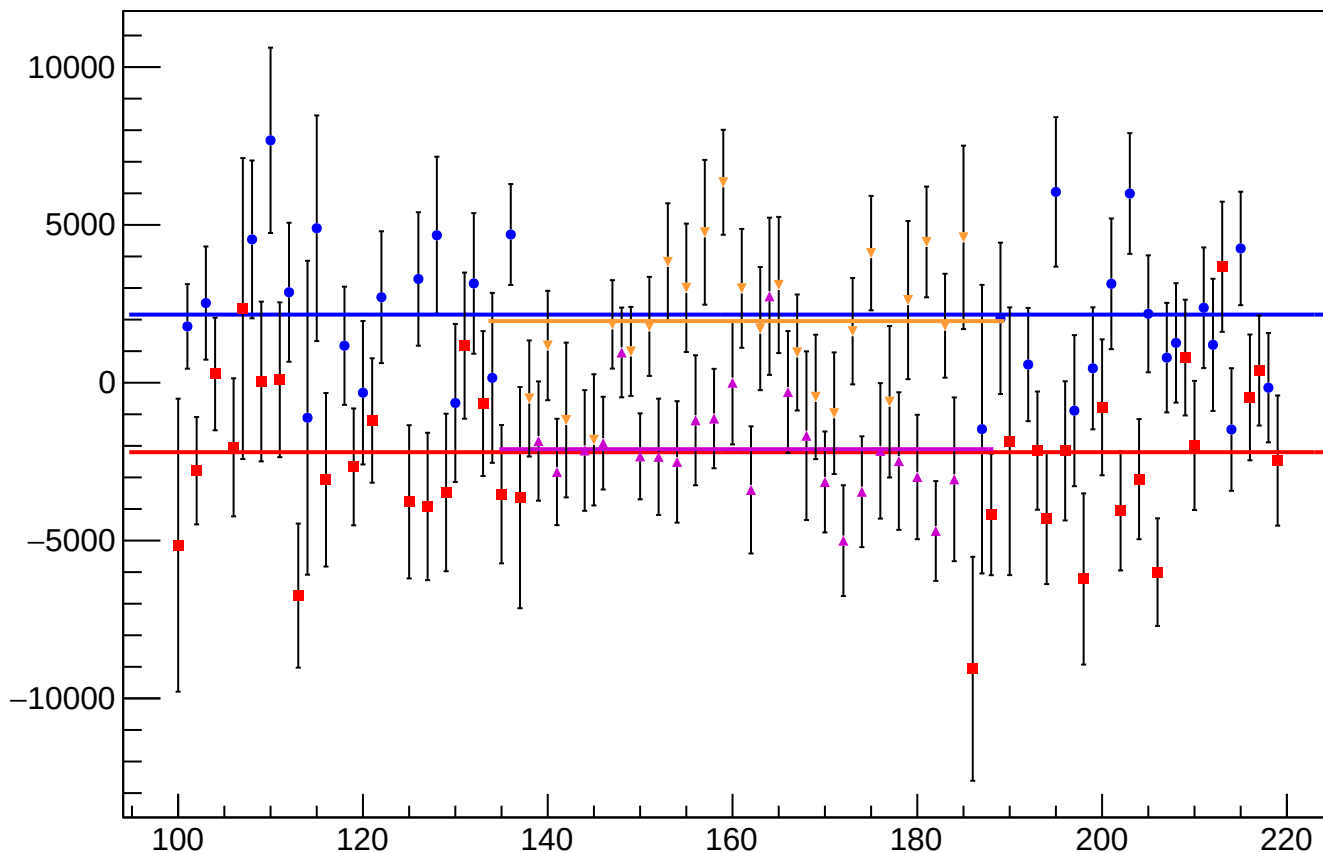
Left In: 1384.336 $\pm$ 0.233 χ^2 /NDF:1269937.1/22

+ sign 1398.697 $\pm$ 0.163 χ^2 /NDF: 2852148.2/55

All: 1409.521 $\pm$ 0.115 χ^2 /NDF: 5782872.7/11

- sign 1420.460 $\pm$ 0.164 χ^2 /NDF: 2921823.1/57

asym_us_avg_mean vs Slug



Right In: 2158.357 $\pm$ 366.922 χ^2 /NDF: 31.5/31

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

Right Out: -2200.610 $\pm$ 369.993 χ^2 /NDF: 42.1/34

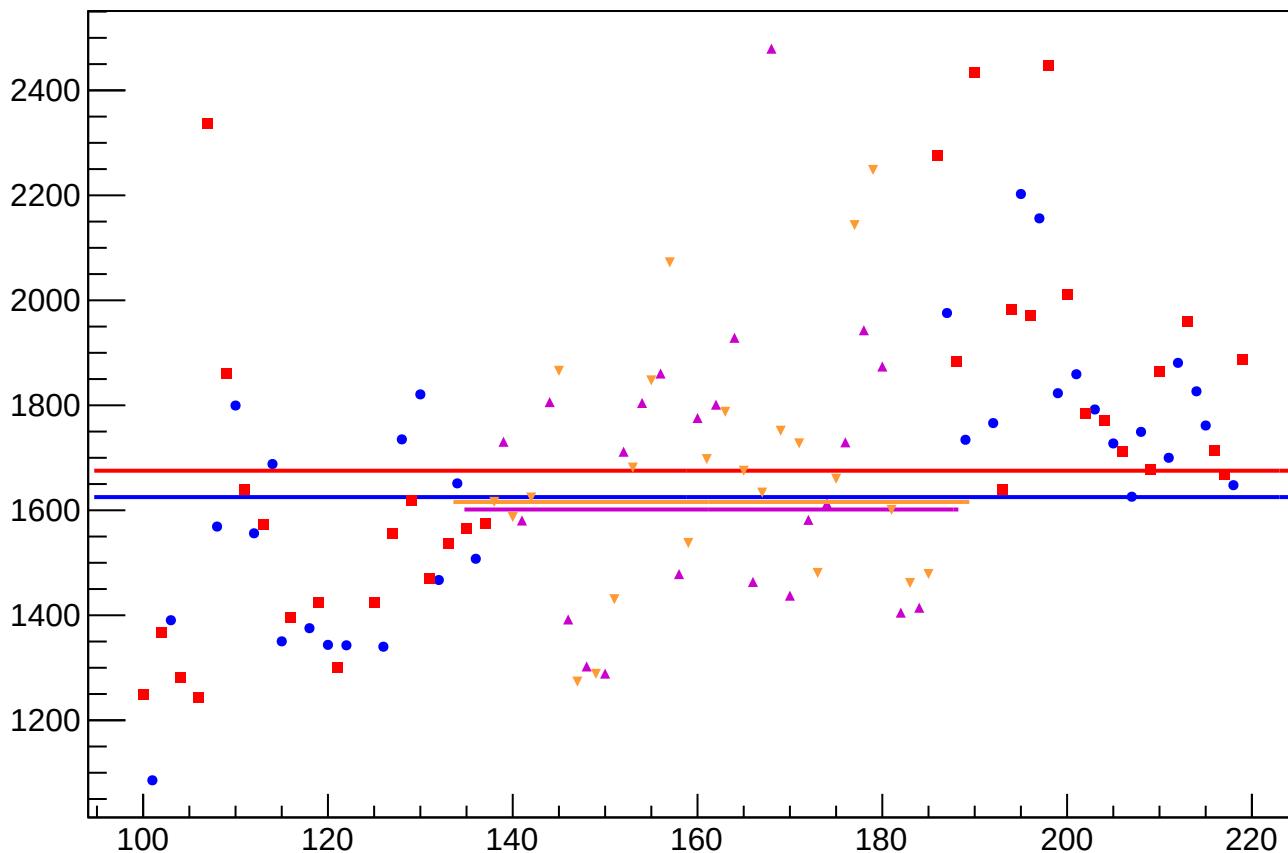
Left In: -2105.415 $\pm$ 379.051 χ^2 /NDF: 18.6/22

+ sign 2059.060 $\pm$ 264.045 χ^2 /NDF: 59.0/55

All: -41.786 $\pm$ 186.964 χ^2 /NDF: 246.7/113

- sign -2154.163 $\pm$ 264.769 χ^2 /NDF: 60.7/57

asym_us_avg_rms vs Slug



Right In: 1625.143 $\pm$ 0.259 χ^2 /NDF: 945886.5/31

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

Right Out: 1675.423 $\pm$ 0.262 χ^2 /NDF: 1022581.0/34

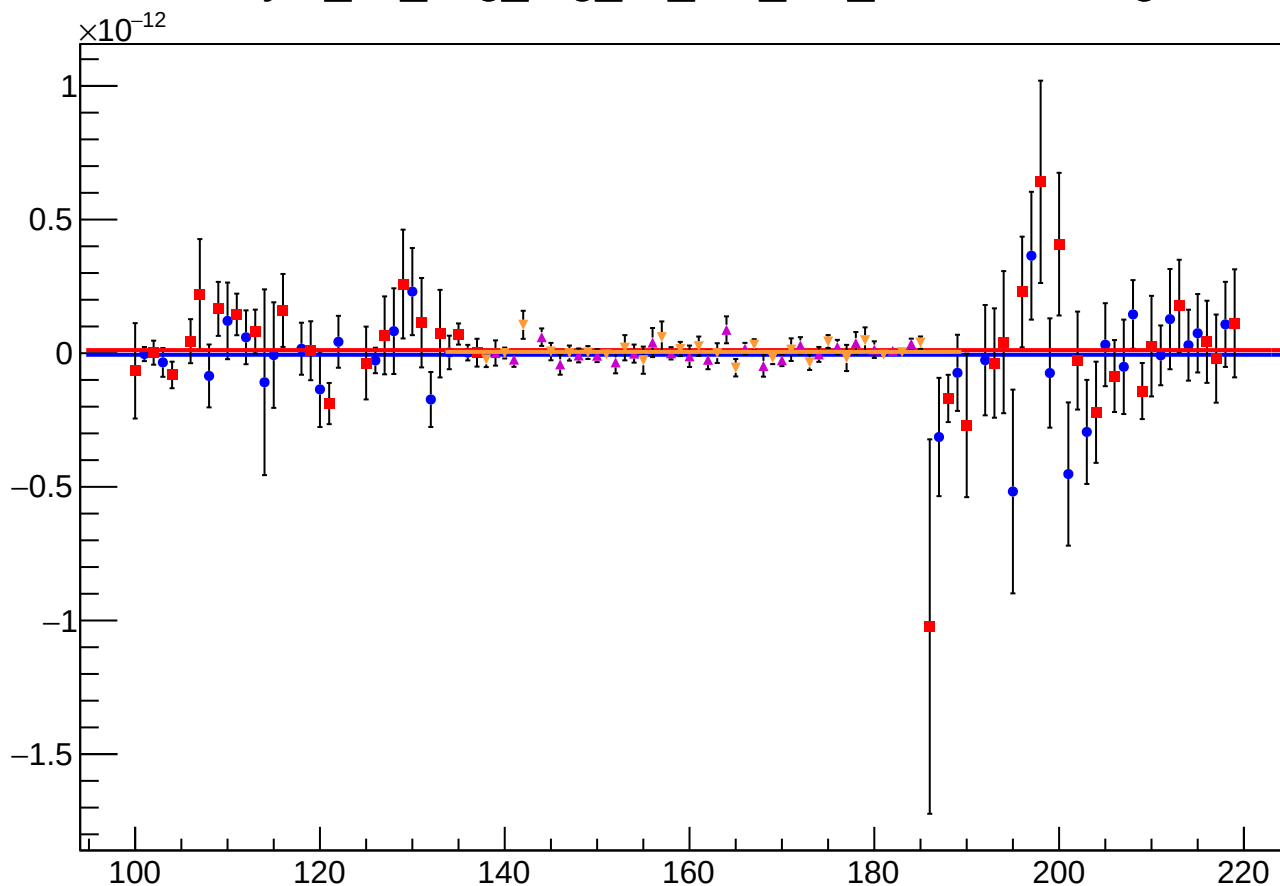
Left In: 1601.496 $\pm$ 0.268 χ^2 /NDF: 793722.6/22

+ sign 1620.664 $\pm$ 0.187 χ^2 /NDF: 1640857.9/55

All: 1629.983 $\pm$ 0.132 χ^2 /NDF: 3501114.4/11

- sign 1639.353 $\pm$ 0.187 χ^2 /NDF: 1855260.4/57

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.9/31

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

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.5/34

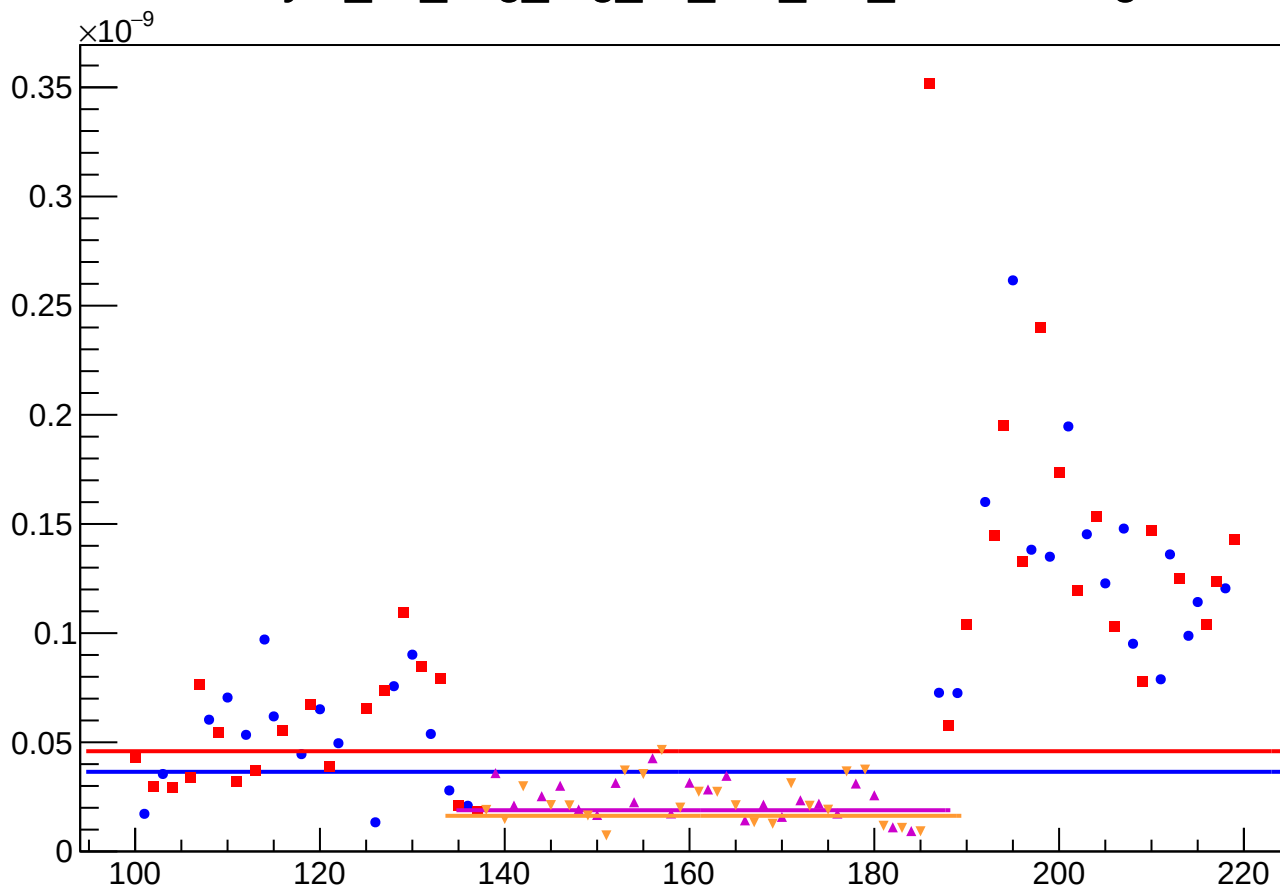
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.4/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 106.5/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 62.0/57

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11001967.4/31

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

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

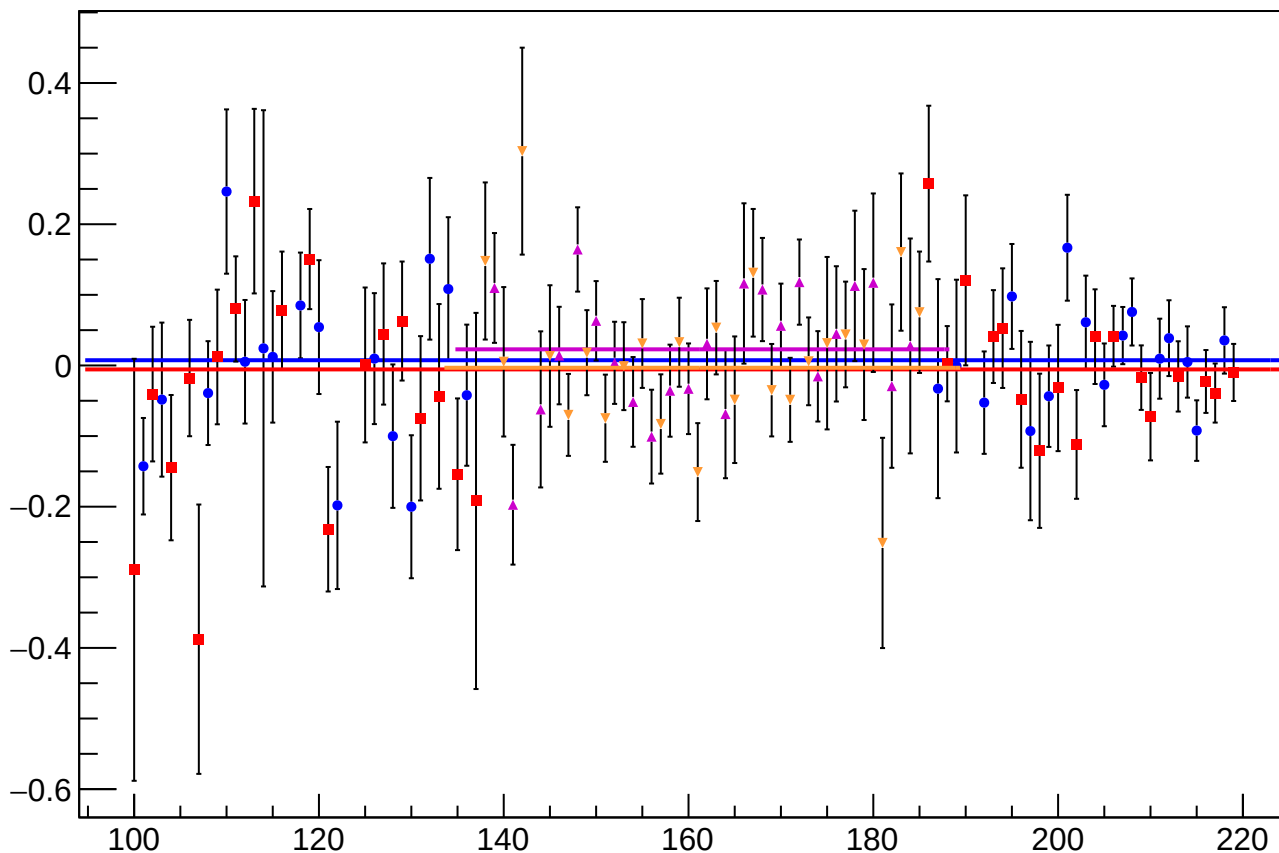
Left In: 0.000+/-0.000 χ^2/NDF : 3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 18766983.8/55

All: 0.000+/-0.000 χ^2/NDF : 36331415.4/113

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

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.013 $\chi^2/\text{NDF}: 40.0/31$

Left Out: -0.003 ± 0.015 $\chi^2/\text{NDF}: 25.9/23$

Right Out: -0.006 ± 0.012 $\chi^2/\text{NDF}: 42.6/34$

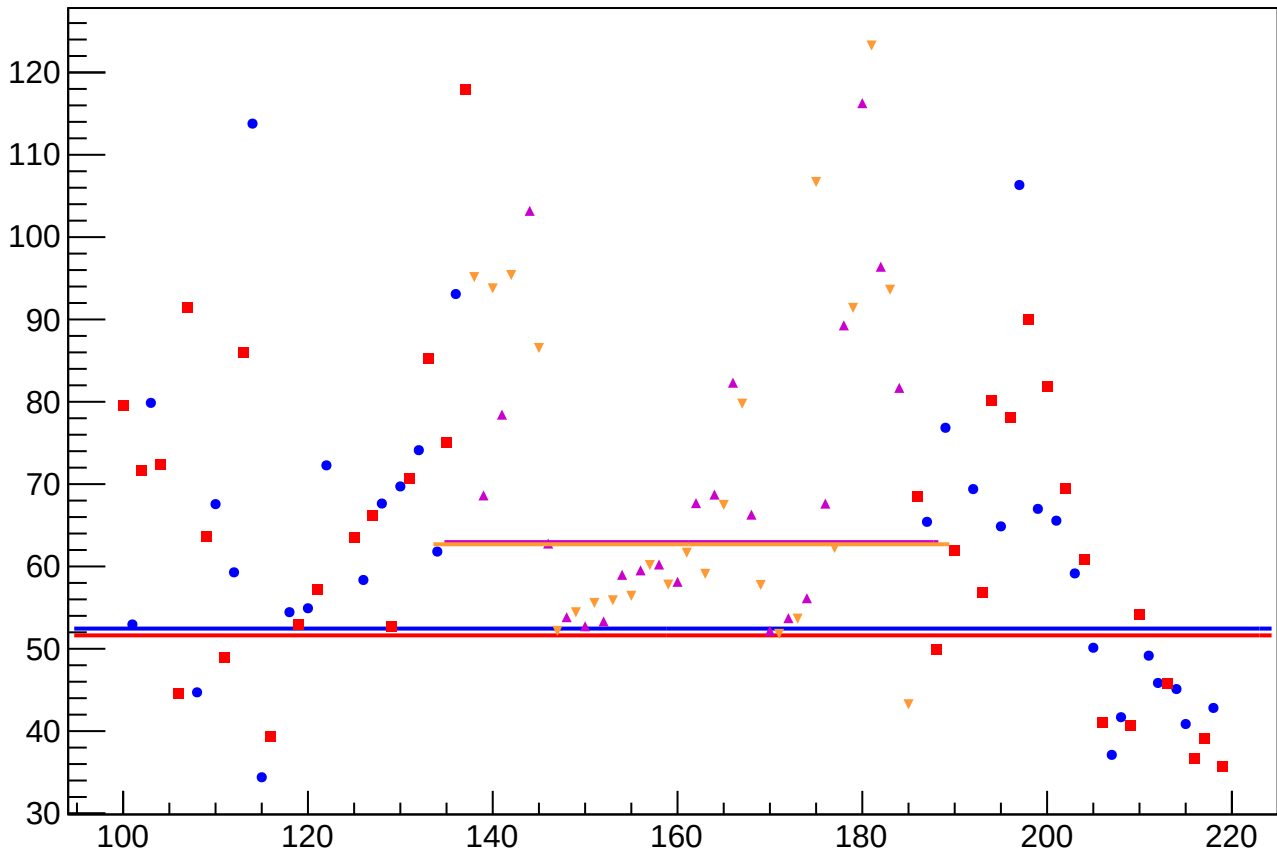
Left In: 0.023 ± 0.015 $\chi^2/\text{NDF}: 29.0/22$

+ sign 0.003 ± 0.010 $\chi^2/\text{NDF}: 66.2/55$

All: 0.004 ± 0.007 $\chi^2/\text{NDF}: 139.8/113$

- sign 0.005 ± 0.010 $\chi^2/\text{NDF}: 73.6/57$

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.454 $\pm$ 0.009 χ^2 /NDF: 2413067.7/31

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

Right Out: 51.629 $\pm$ 0.009 χ^2 /NDF: 3042671.1/34

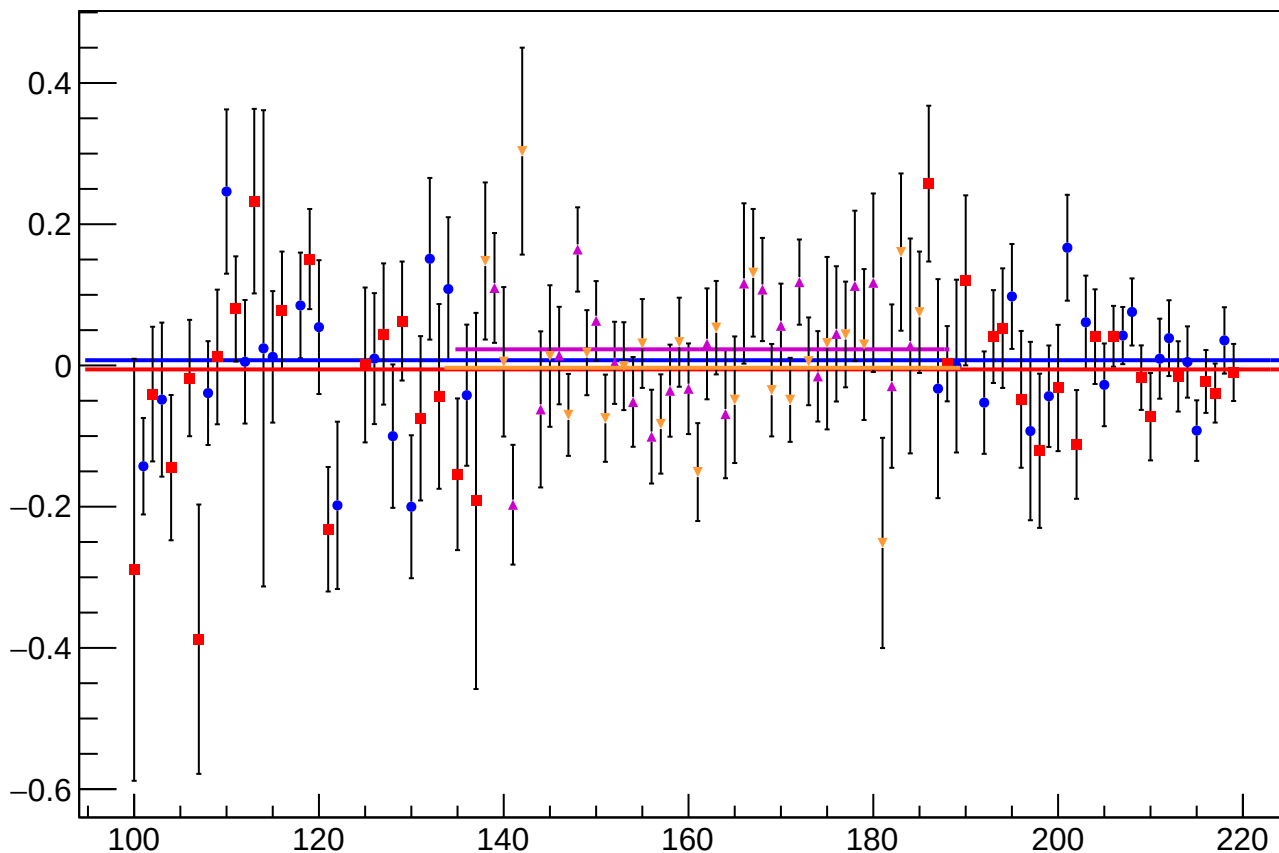
Left In: 62.956 $\pm$ 0.011 χ^2 /NDF:1430426.1/22

+ sign 56.534 $\pm$ 0.007 χ^2 /NDF: 4878258.6/55

All: 56.243 $\pm$ 0.005 χ^2 /NDF: 10014649.4/113

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

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.013 $\chi^2/\text{NDF}: 40.0/31$

Left Out: -0.003 ± 0.015 $\chi^2/\text{NDF}: 25.9/23$

Right Out: -0.006 ± 0.012 $\chi^2/\text{NDF}: 42.6/34$

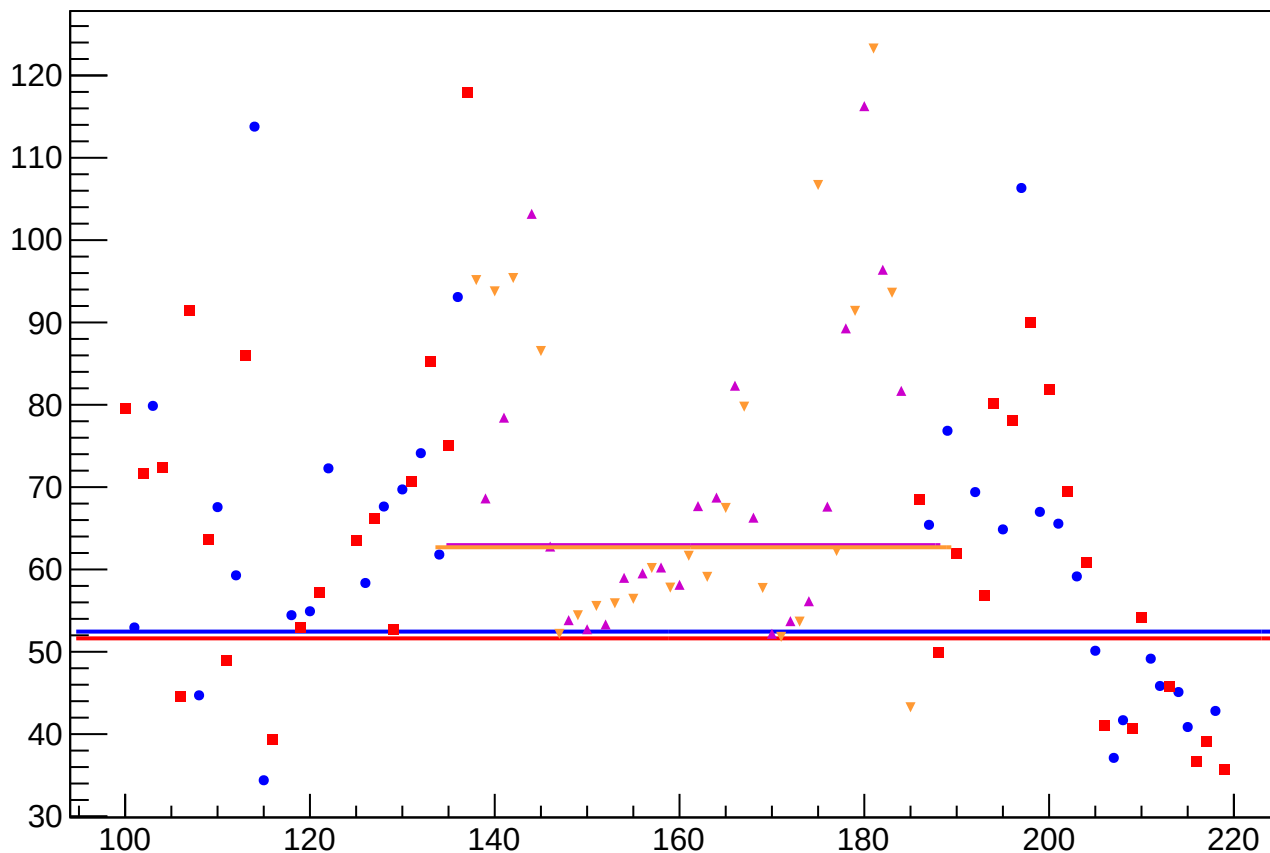
Left In: 0.023 ± 0.015 $\chi^2/\text{NDF}: 29.0/22$

+ sign 0.003 ± 0.010 $\chi^2/\text{NDF}: 66.2/55$

All: 0.004 ± 0.007 $\chi^2/\text{NDF}: 139.8/113$

- sign 0.005 ± 0.010 $\chi^2/\text{NDF}: 73.6/57$

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.454+/-0.009 χ^2/NDF : 2413067.7/31

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

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

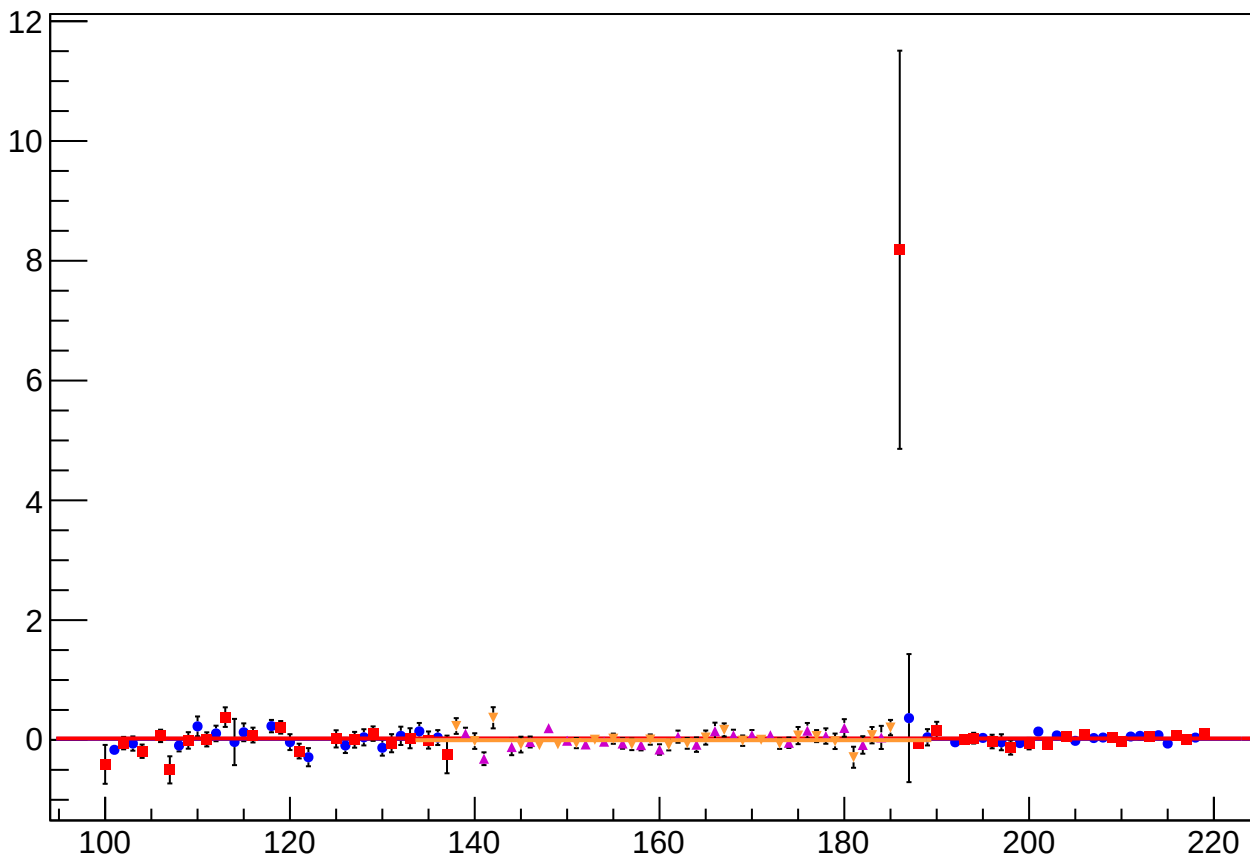
Left In: 62.956+/-0.011 χ^2/NDF : 1430426.1/22

+ sign 56.534+/-0.007 χ^2/NDF : 4878258.6/55

All: 56.243+/-0.005 χ^2/NDF : 10014649.4/113

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

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.017 ± 0.016 χ^2/NDF : 29.5/31

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

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

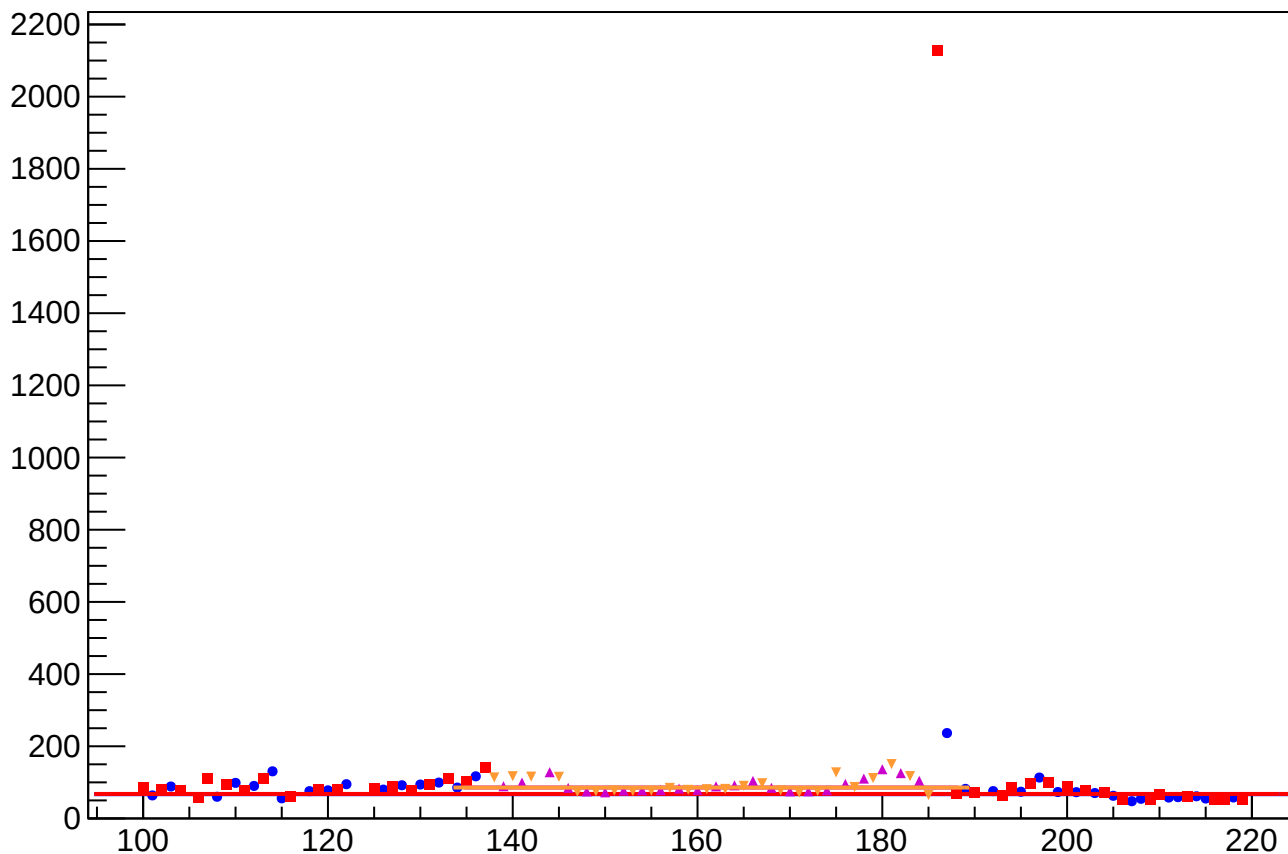
Left In: -0.002 ± 0.021 χ^2/NDF : 30.5/22

+ sign 0.009 ± 0.013 χ^2/NDF : 51.6/55

All: 0.012 ± 0.009 χ^2/NDF : 125.8/113

- sign 0.014 ± 0.013 χ^2/NDF : 74.2/57

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 67.205 $\pm$ 0.011 χ^2 /NDF: 1943791.2/31

Left Out: 85.650 $\pm$ 0.015 χ^2 /NDF: 1352748.5/23

Right Out: 67.918 $\pm$ 0.011 χ^2 /NDF: 2855686.2/34

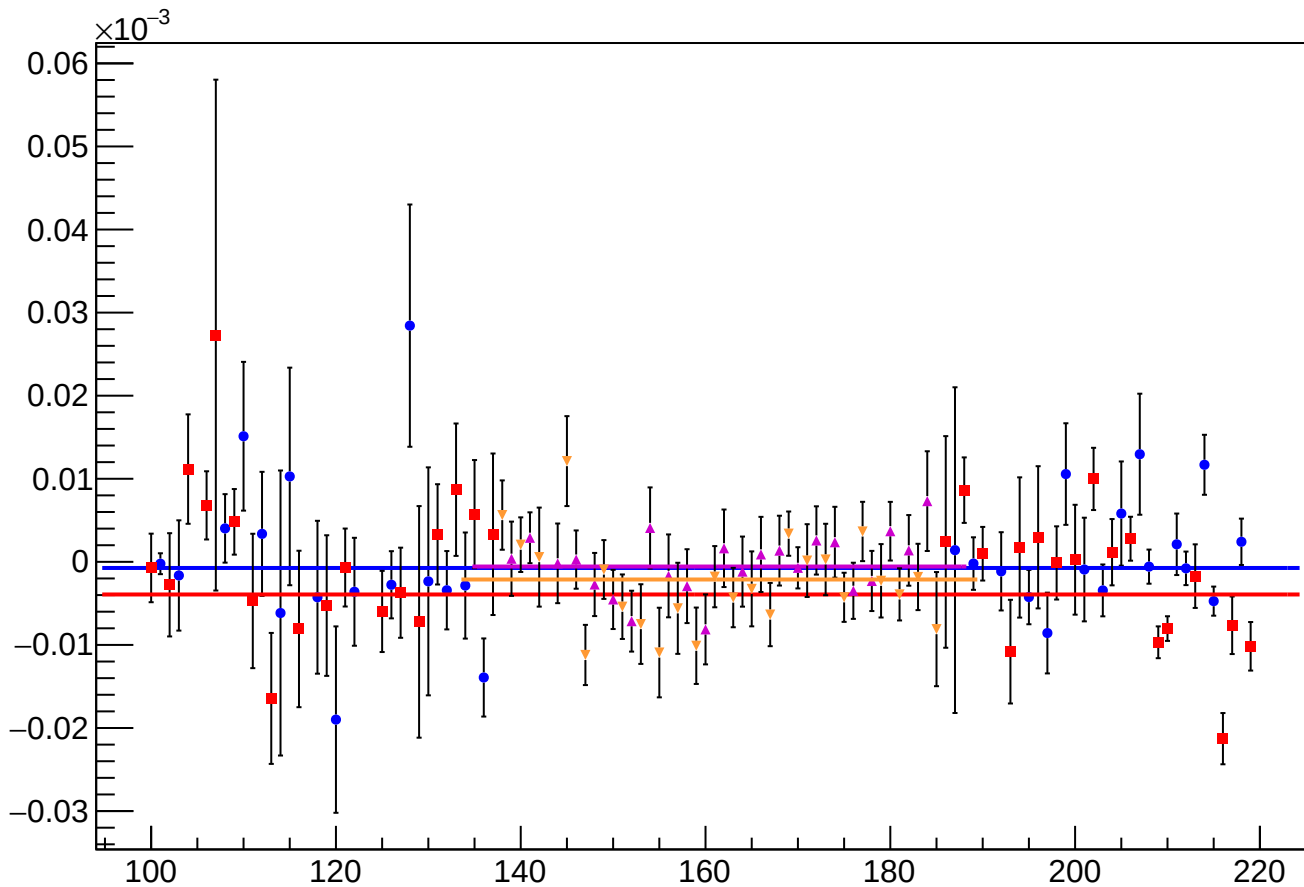
Left In: 85.679 $\pm$ 0.015 χ^2 /NDF: 995870.4/22

+ sign 74.047 $\pm$ 0.009 χ^2 /NDF: 4297277.6/55

All: 74.245 $\pm$ 0.006 χ^2 /NDF: 9083327.8/113

- sign 74.441 $\pm$ 0.009 χ^2 /NDF: 4785066.4/57

asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 52.8/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.4/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 121.2/34

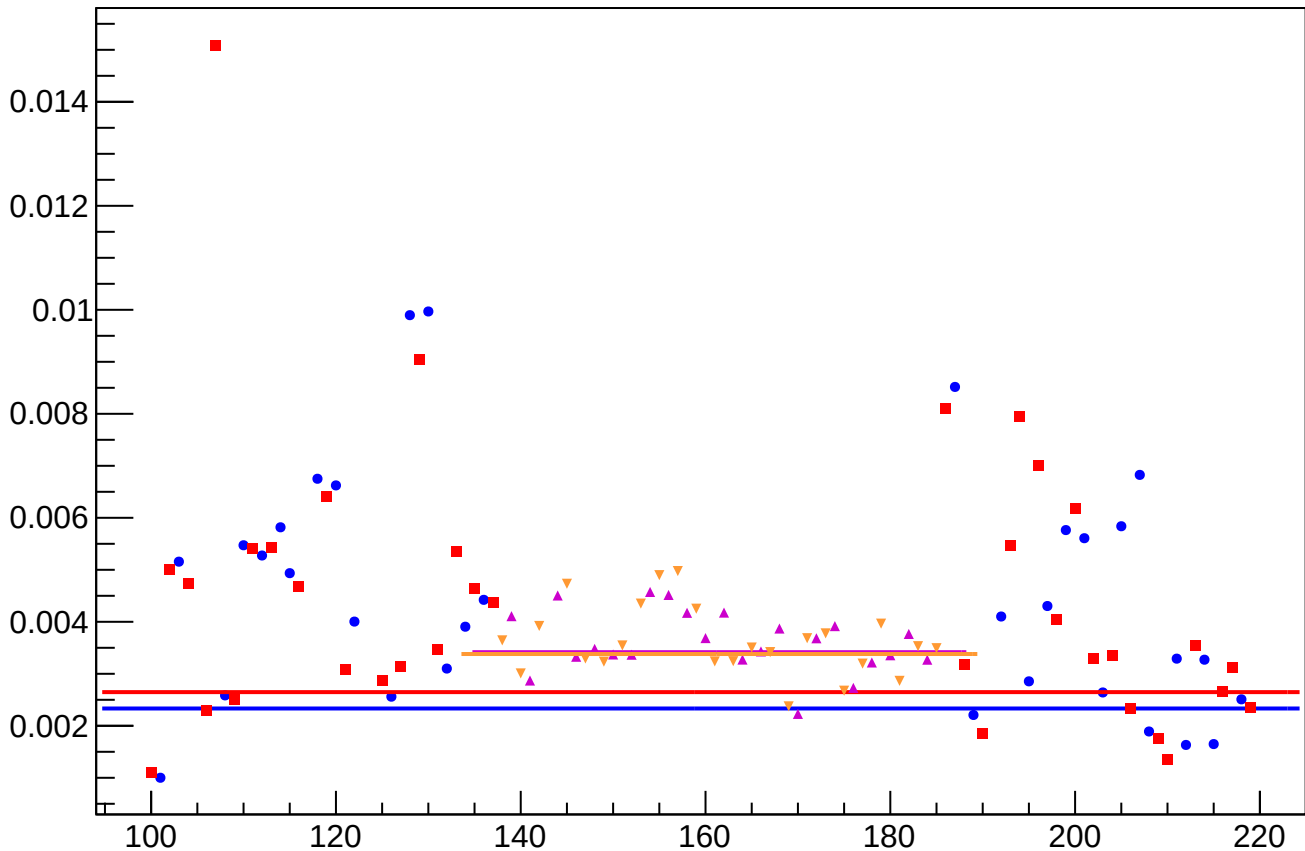
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 92.1/55

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 243.2/113

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 147.9/57

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2/NDF : 10319512.0/31

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

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 8351839.3/34

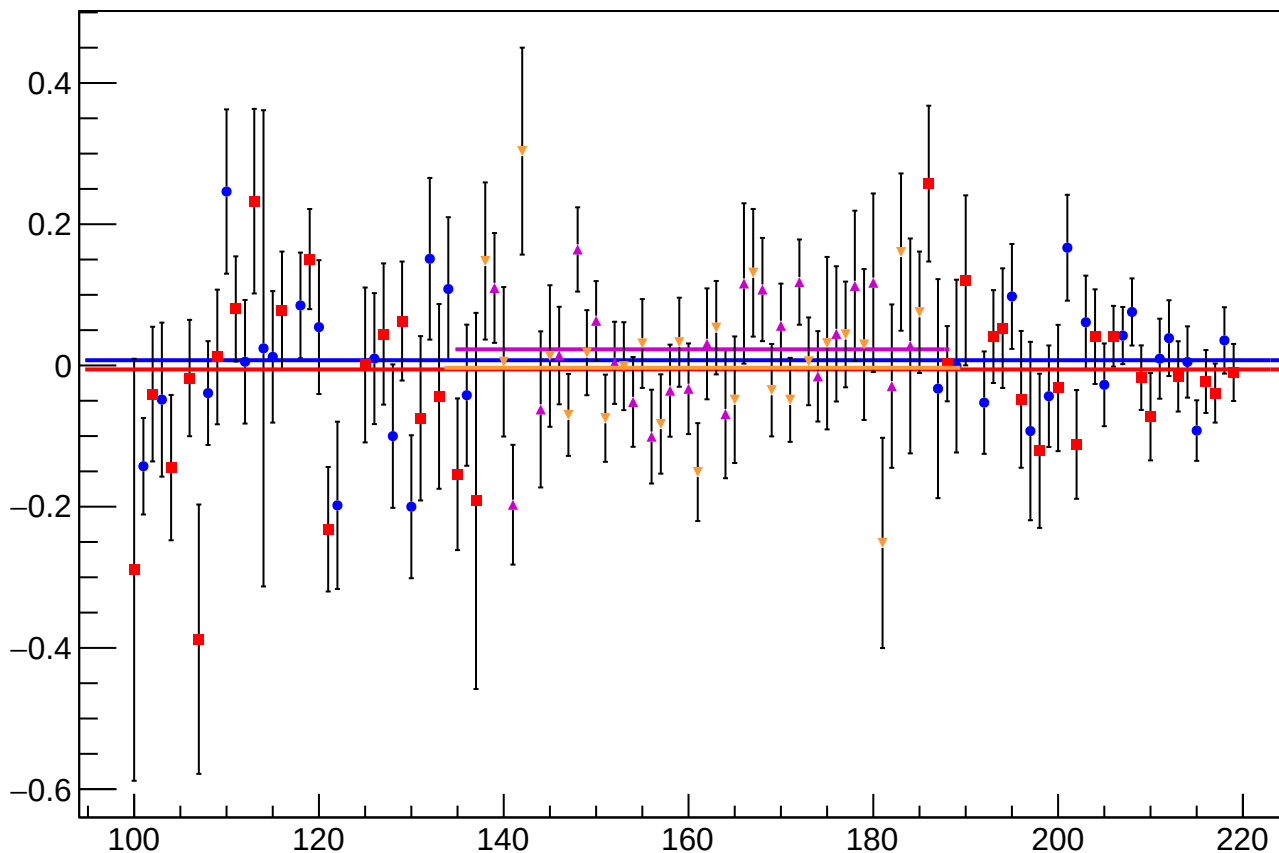
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 1170356.5/22

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 13624430.6/55

All: 0.003 $\pm$ 0.000 χ^2/NDF : 24409734.9/113

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 10570225.8/57

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.013 $\chi^2/\text{NDF}: 40.0/31$

Left Out: -0.003 ± 0.015 $\chi^2/\text{NDF}: 25.9/23$

Right Out: -0.006 ± 0.012 $\chi^2/\text{NDF}: 42.6/34$

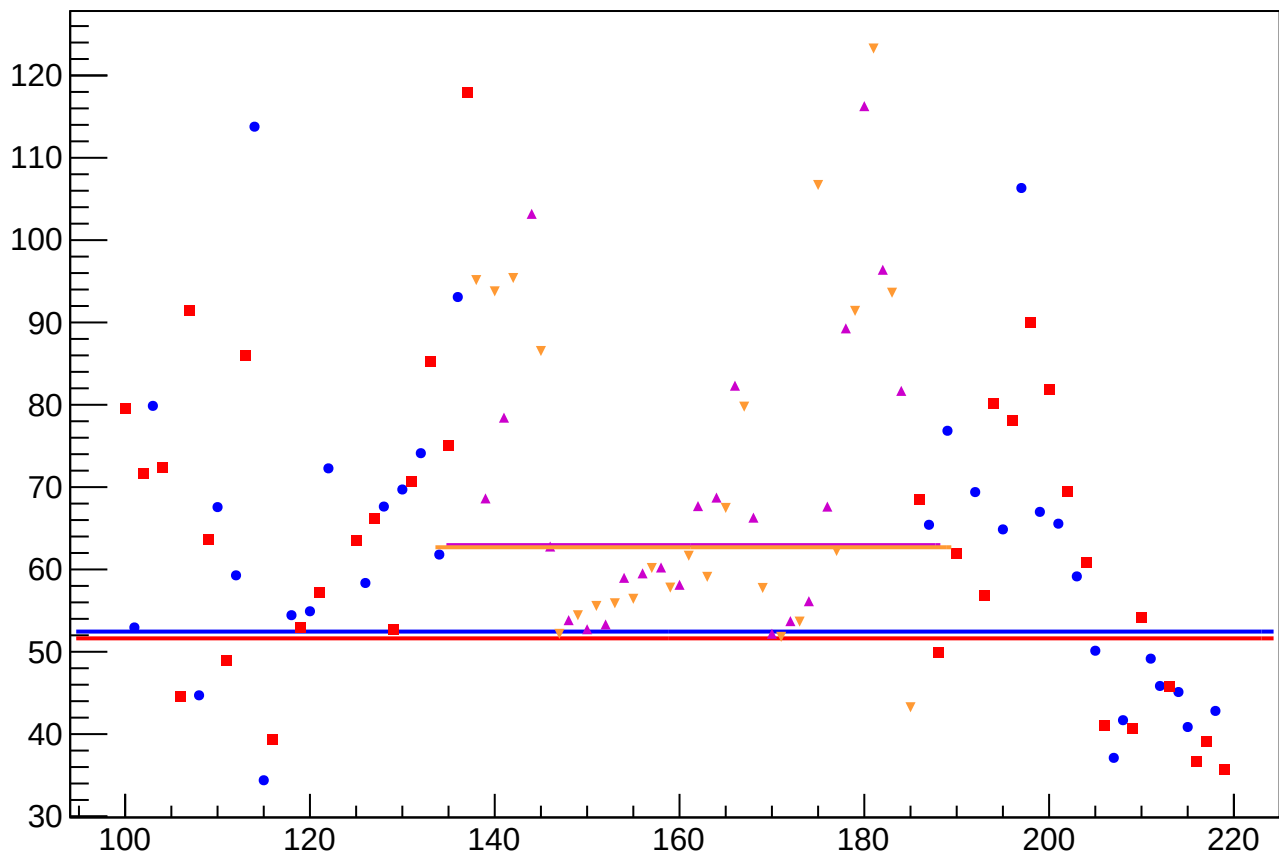
Left In: 0.023 ± 0.015 $\chi^2/\text{NDF}: 29.0/22$

+ sign 0.003 ± 0.010 $\chi^2/\text{NDF}: 66.2/55$

All: 0.004 ± 0.007 $\chi^2/\text{NDF}: 139.8/113$

- sign 0.005 ± 0.010 $\chi^2/\text{NDF}: 73.6/57$

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.454+/-0.009 χ^2/NDF : 2412895.8/31

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

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

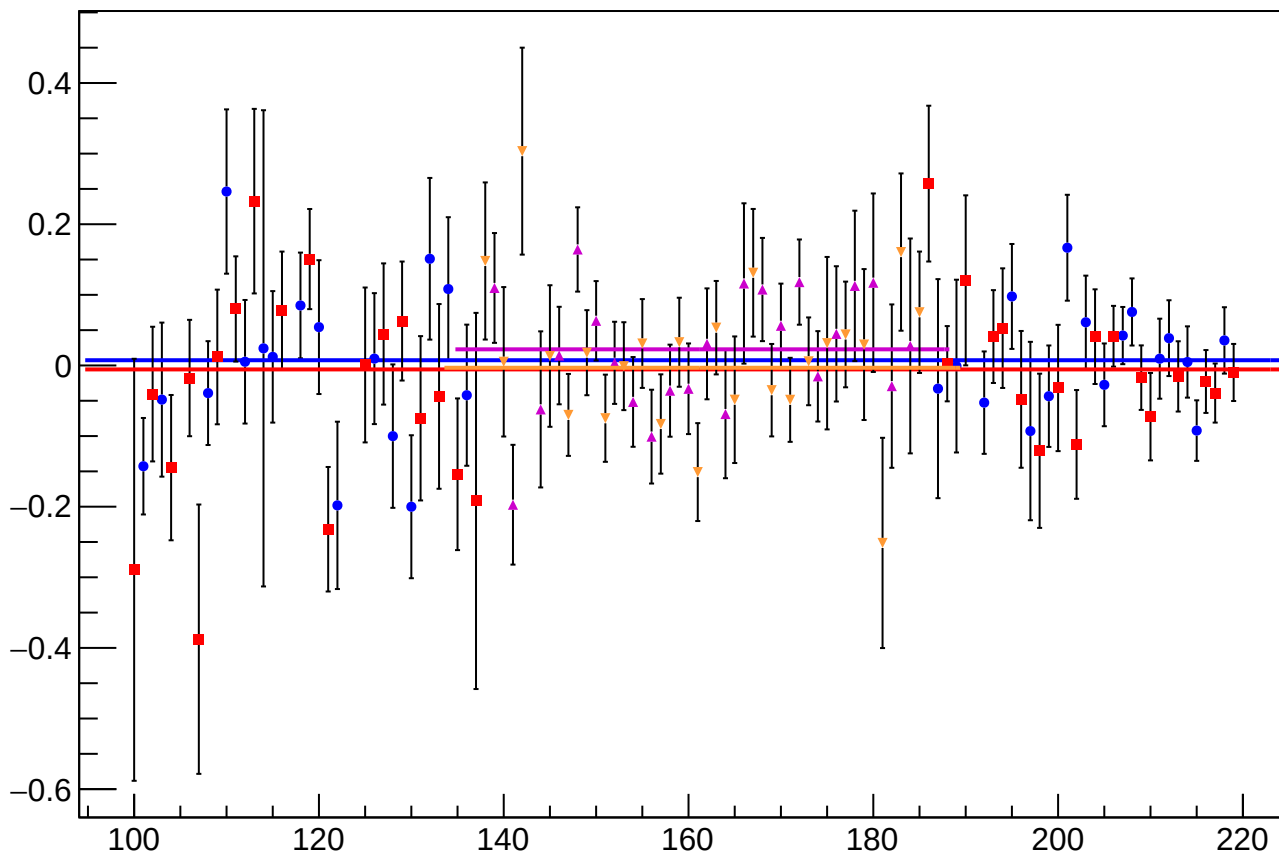
Left In: 62.956+/-0.011 χ^2/NDF :1430401.4/22

+ sign 56.535+/-0.007 χ^2/NDF : 4878068.8/55

All: 56.244+/-0.005 χ^2/NDF : 10014265.2/113

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

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.013 $\chi^2/\text{NDF}: 40.0/31$

Left Out: -0.003 ± 0.015 $\chi^2/\text{NDF}: 25.9/23$

Right Out: -0.006 ± 0.012 $\chi^2/\text{NDF}: 42.6/34$

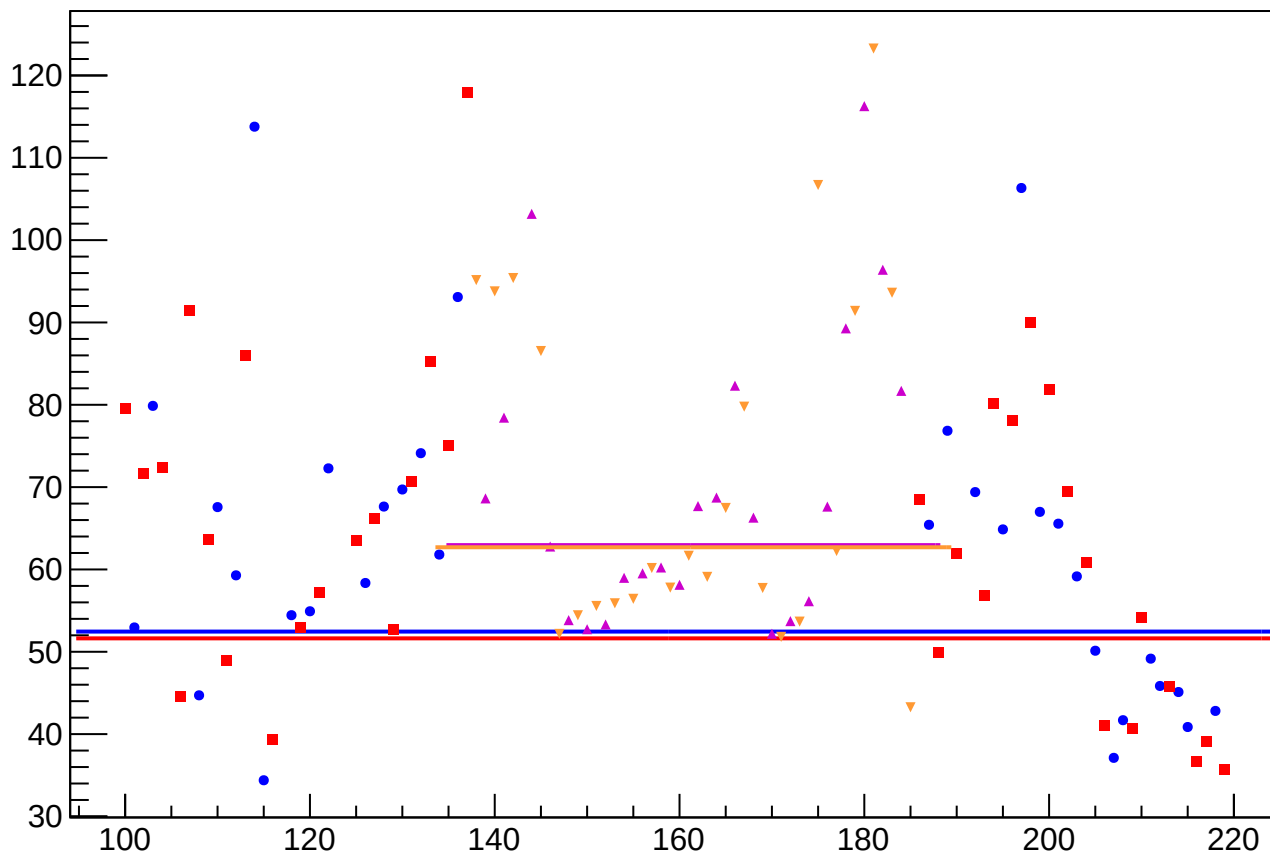
Left In: 0.023 ± 0.015 $\chi^2/\text{NDF}: 29.0/22$

+ sign 0.003 ± 0.010 $\chi^2/\text{NDF}: 66.2/55$

All: 0.004 ± 0.007 $\chi^2/\text{NDF}: 139.8/113$

- sign 0.005 ± 0.010 $\chi^2/\text{NDF}: 73.6/57$

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.454+/-0.009 χ^2/NDF : 2412895.8/31

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

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

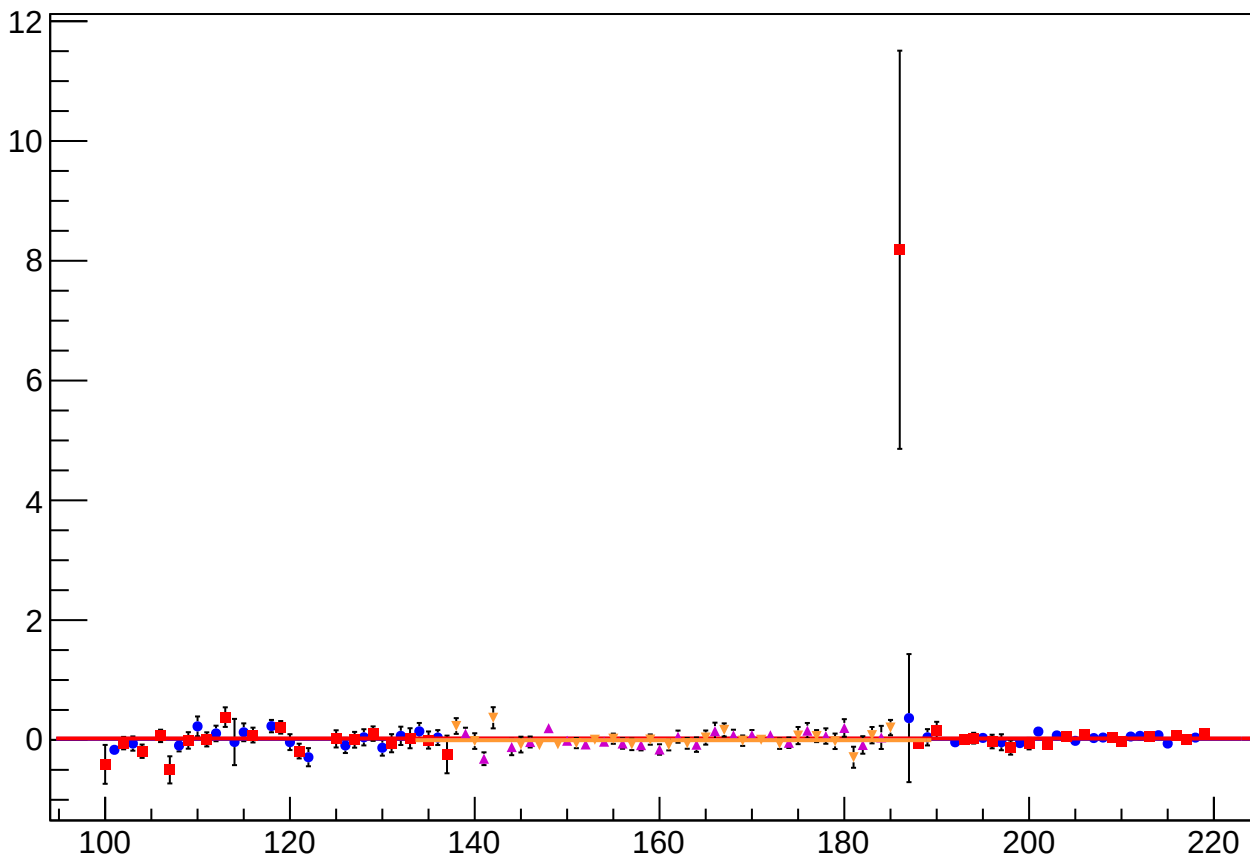
Left In: 62.956+/-0.011 χ^2/NDF :1430401.4/22

+ sign 56.535+/-0.007 χ^2/NDF : 4878068.8/55

All: 56.244+/-0.005 χ^2/NDF : 10014265.2/113

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

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.017 ± 0.016 χ^2/NDF : 29.5/31

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

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

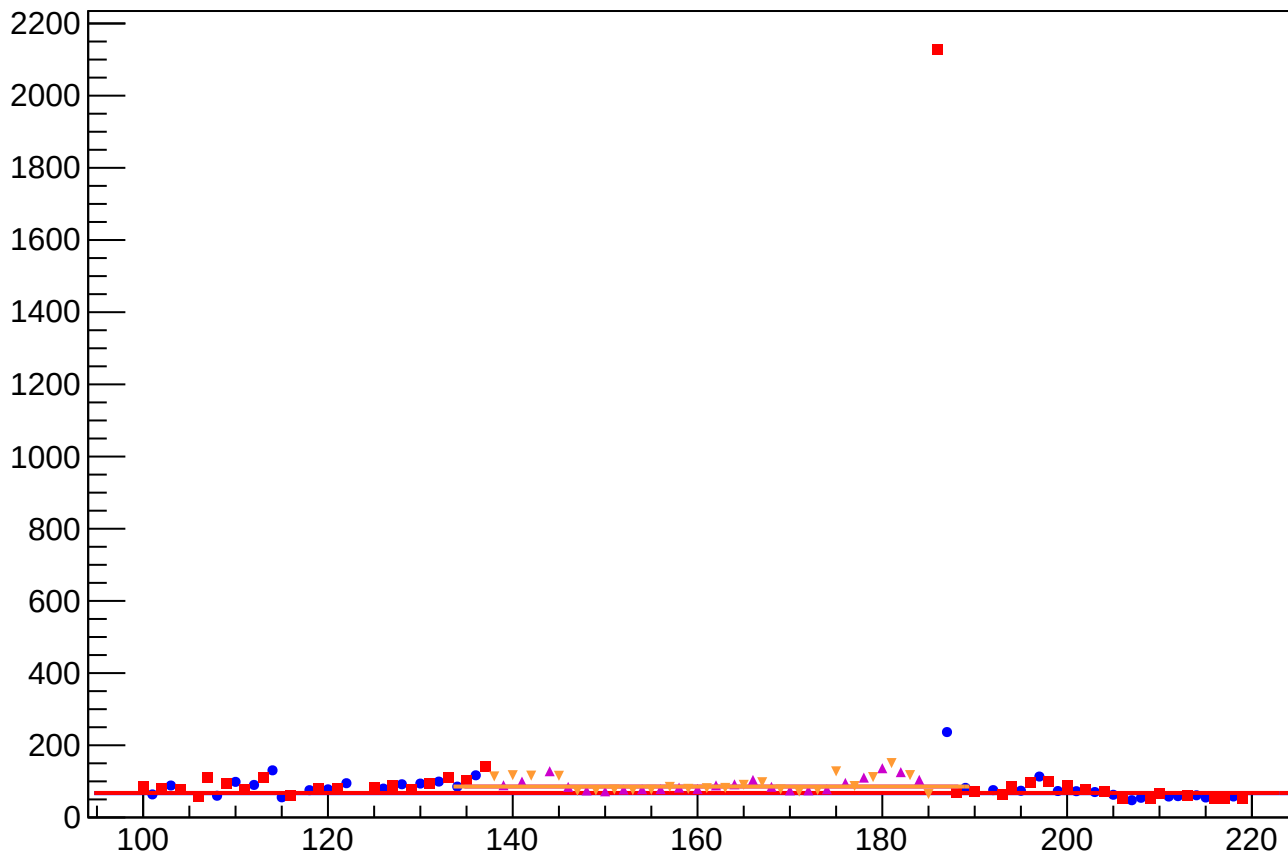
Left In: -0.002 ± 0.021 χ^2/NDF : 30.5/22

+ sign 0.009 ± 0.013 χ^2/NDF : 51.6/55

All: 0.012 ± 0.009 χ^2/NDF : 125.8/113

- sign 0.014 ± 0.013 χ^2/NDF : 74.2/57

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 67.205 $\pm$ 0.011 χ^2 /NDF: 1943654.2/31

Left Out: 85.651 $\pm$ 0.015 χ^2 /NDF: 1352738.9/23

Right Out: 67.918 $\pm$ 0.011 χ^2 /NDF: 2855568.6/34

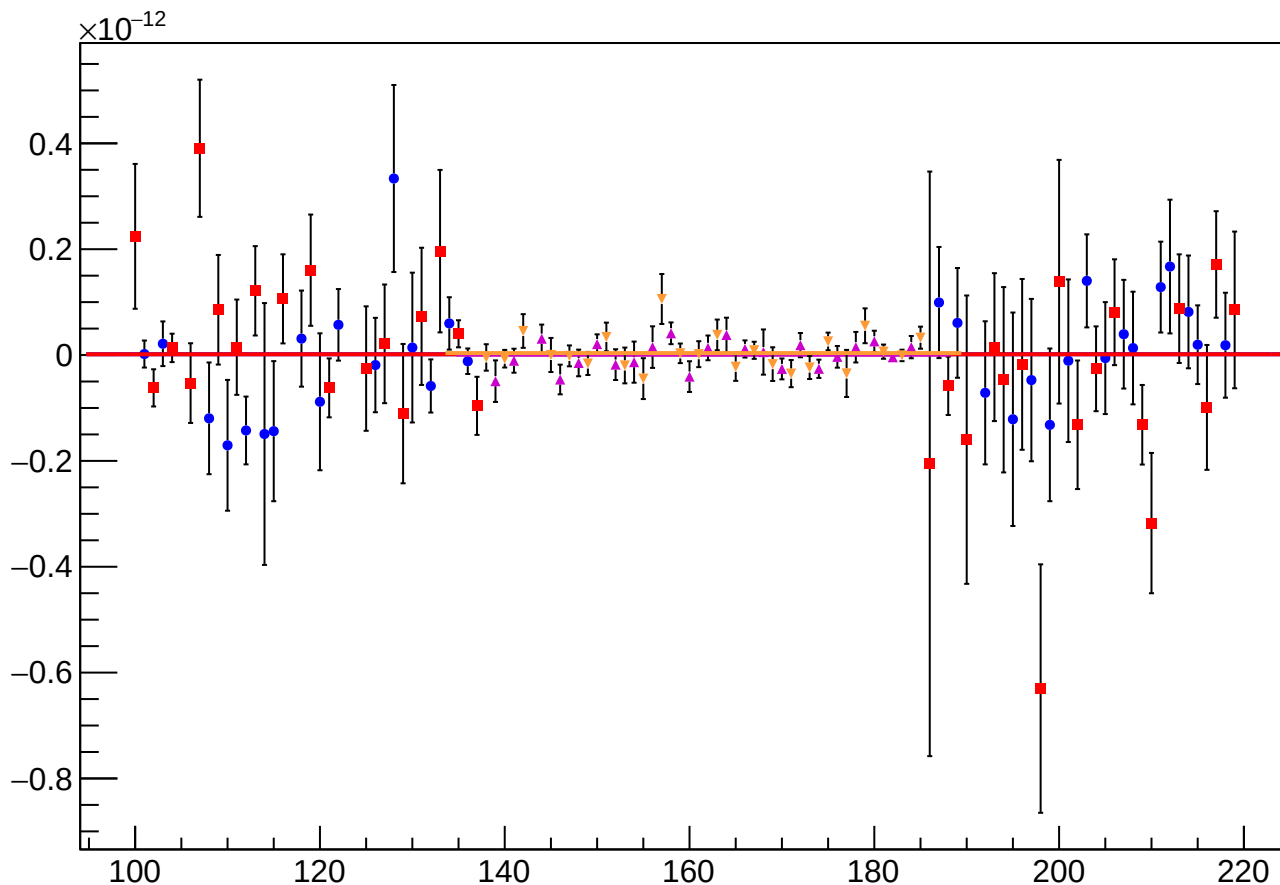
Left In: 85.679 $\pm$ 0.015 χ^2 /NDF: 995860.8/22

+ sign 74.048 $\pm$ 0.009 χ^2 /NDF: 4297122.9/55

All: 74.245 $\pm$ 0.006 χ^2 /NDF: 9083073.8/113

- sign 74.441 $\pm$ 0.009 χ^2 /NDF: 4784968.7/57

asym_us_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.1/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25.0/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 56.5/34

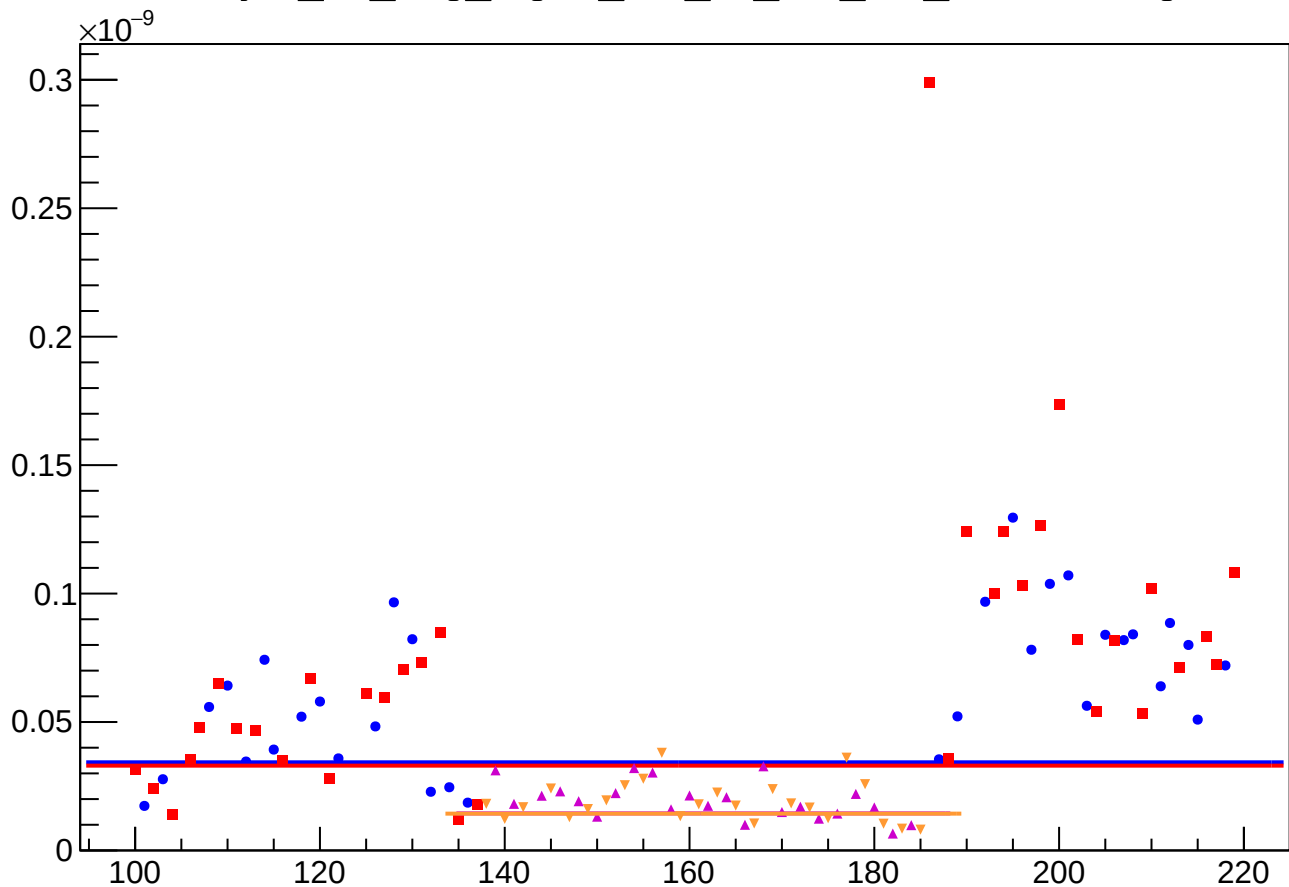
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:23.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 53.1/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 133.4/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 80.1/57

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 7692353.5/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 3611096.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 10213085.1/34

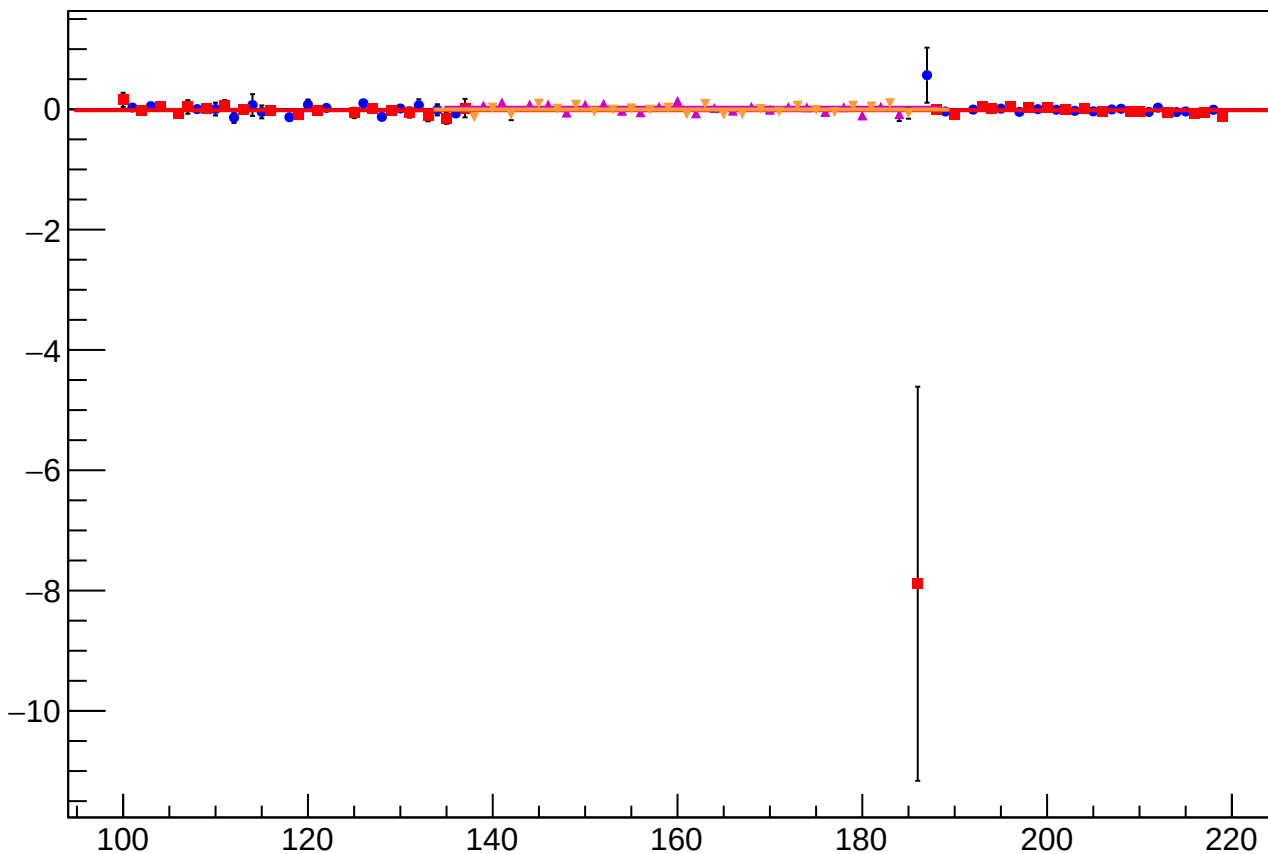
Left In: 0.000 ± 0.000 χ^2/NDF : 4256069.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 16274244.1/55

All: 0.000 ± 0.000 χ^2/NDF : 34969261.1/113

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

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.010 ± 0.007 χ^2/NDF : 25.2/31

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

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

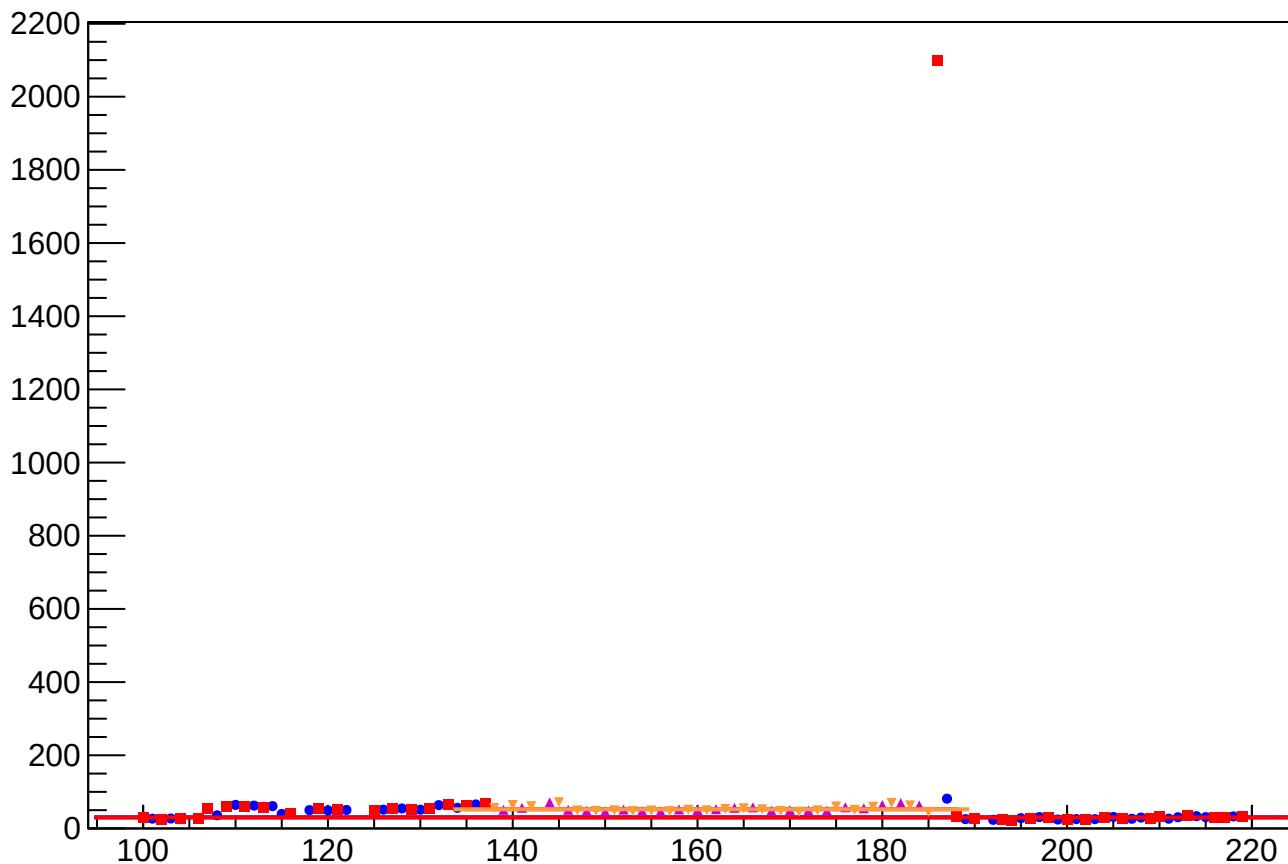
Left In: 0.025 ± 0.013 χ^2/NDF : 24.3/22

+ sign -0.008 ± 0.006 χ^2/NDF : 48.6/55

All: -0.007 ± 0.004 χ^2/NDF : 130.6/113

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

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.475+/-0.005 χ^2/NDF : 2891308.0/31

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

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

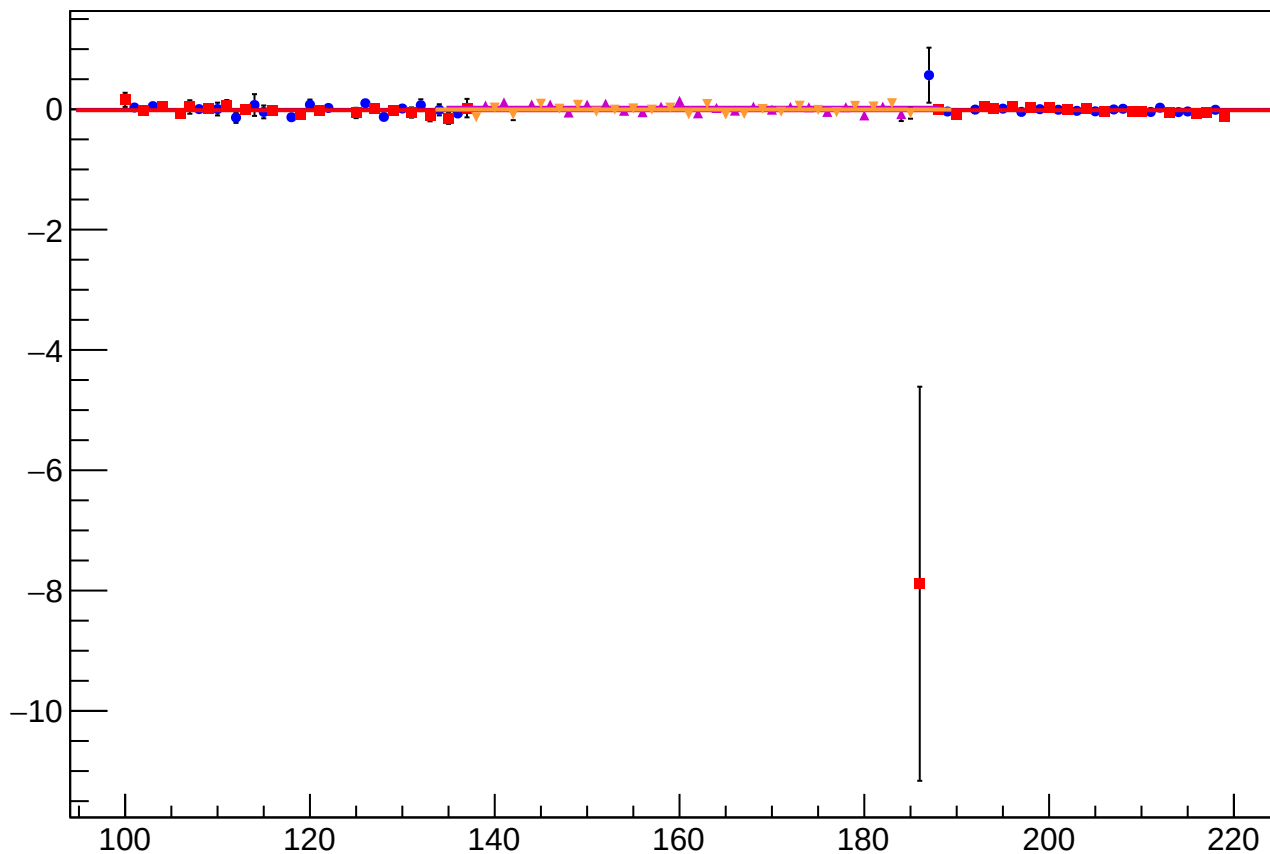
Left In: 52.484+/-0.009 χ^2/NDF : 445297.7/22

+ sign 36.083+/-0.004 χ^2/NDF : 8033923.7/55

All: 35.770+/-0.003 χ^2/NDF : 17260228.7/113

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

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010 $\pm$ 0.007 χ^2 /NDF: 25.2/31

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

Right Out: -0.015 $\pm$ 0.007 χ^2 /NDF: 49.6/34

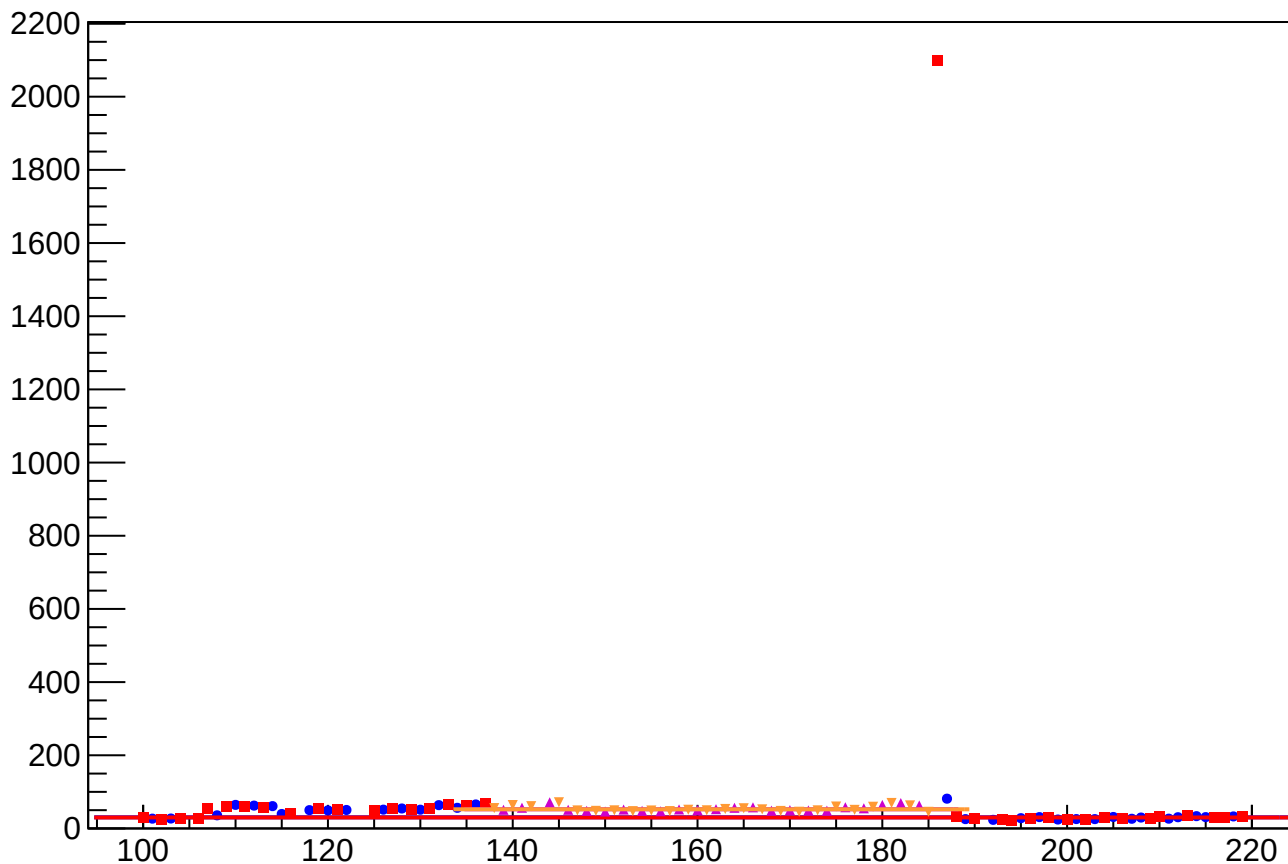
Left In: 0.025 $\pm$ 0.013 χ^2 /NDF: 24.3/22

+ sign -0.008 $\pm$ 0.006 χ^2 /NDF: 48.6/55

All: -0.007 $\pm$ 0.004 χ^2 /NDF: 130.6/113

- sign -0.005 $\pm$ 0.006 χ^2 /NDF: 81.9/57

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 30.475+/-0.005 χ^2/NDF : 2891308.0/31

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

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

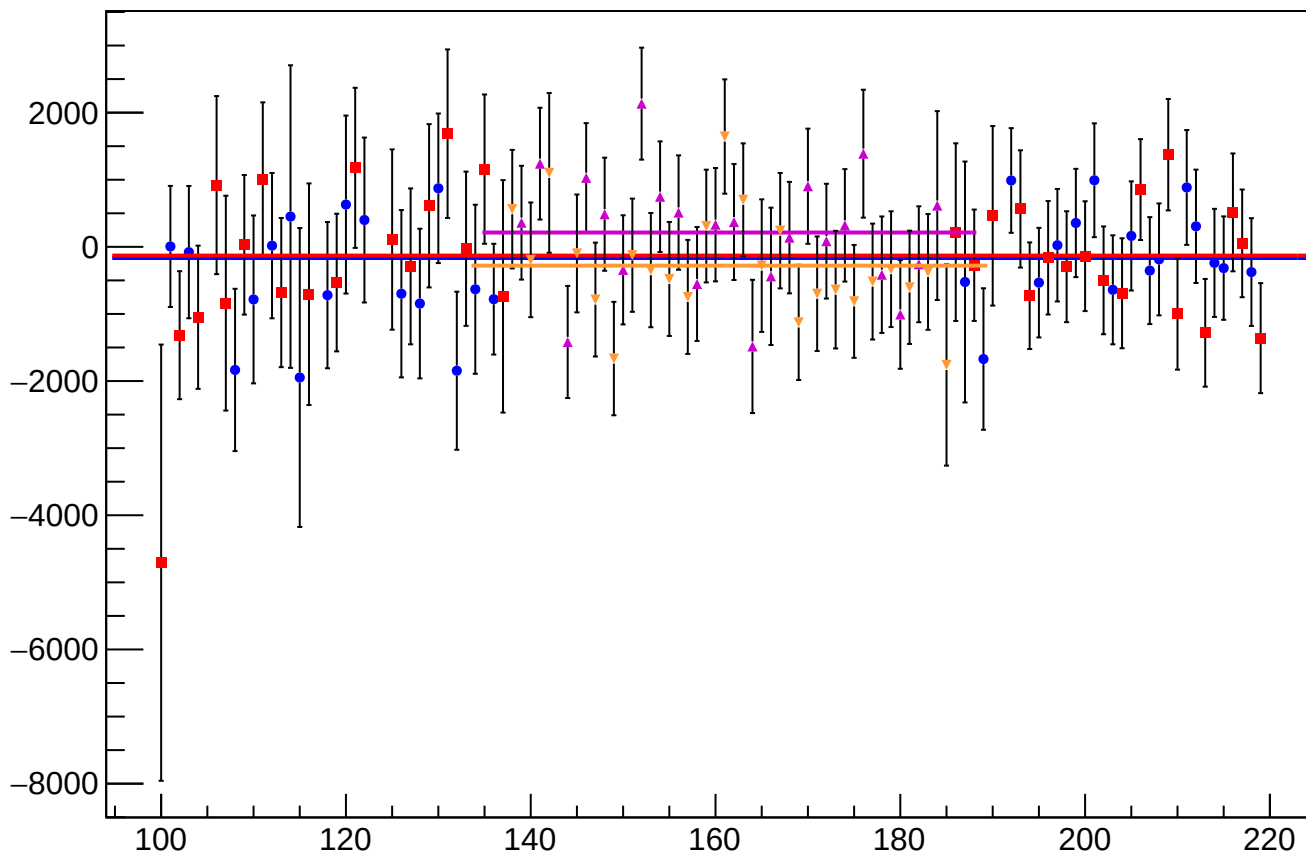
Left In: 52.484+/-0.009 χ^2/NDF : 445297.7/22

+ sign 36.083+/-0.004 χ^2/NDF : 8033923.7/55

All: 35.770+/-0.003 χ^2/NDF : 17260228.7/113

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

reg_asym_us_dd_mean vs Slug



Right In: -165.692 ± 170.839 χ^2/NDF : 17.2/31

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

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

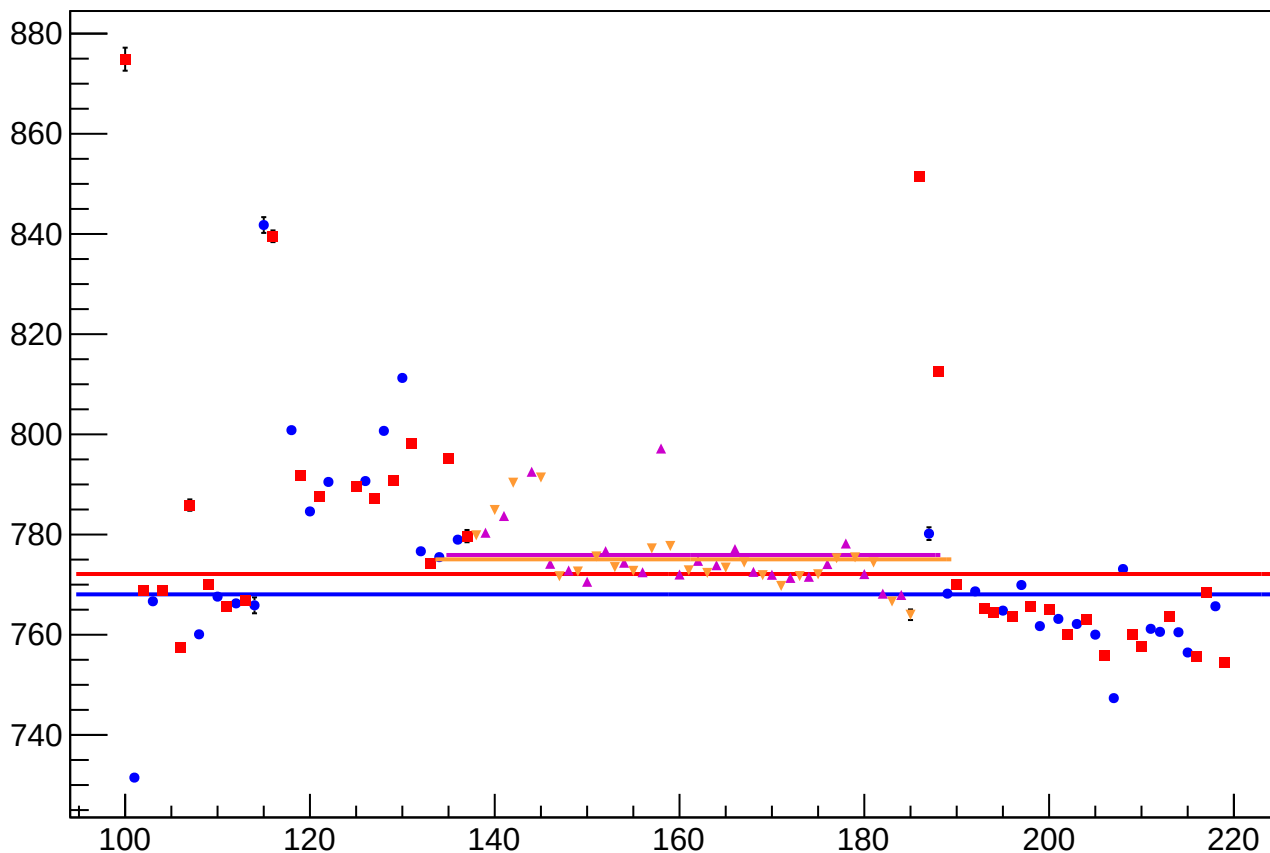
Left In: 213.425 ± 181.168 χ^2/NDF : 22.4/22

+ sign -220.074 ± 123.875 χ^2/NDF : 33.5/55

All: -95.096 ± 87.331 χ^2/NDF : 84.8/113

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

reg_asym_us_dd_rms vs Slug



Right In: 768.061 ± 0.121 χ^2/NDF : 17253.0/31

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

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

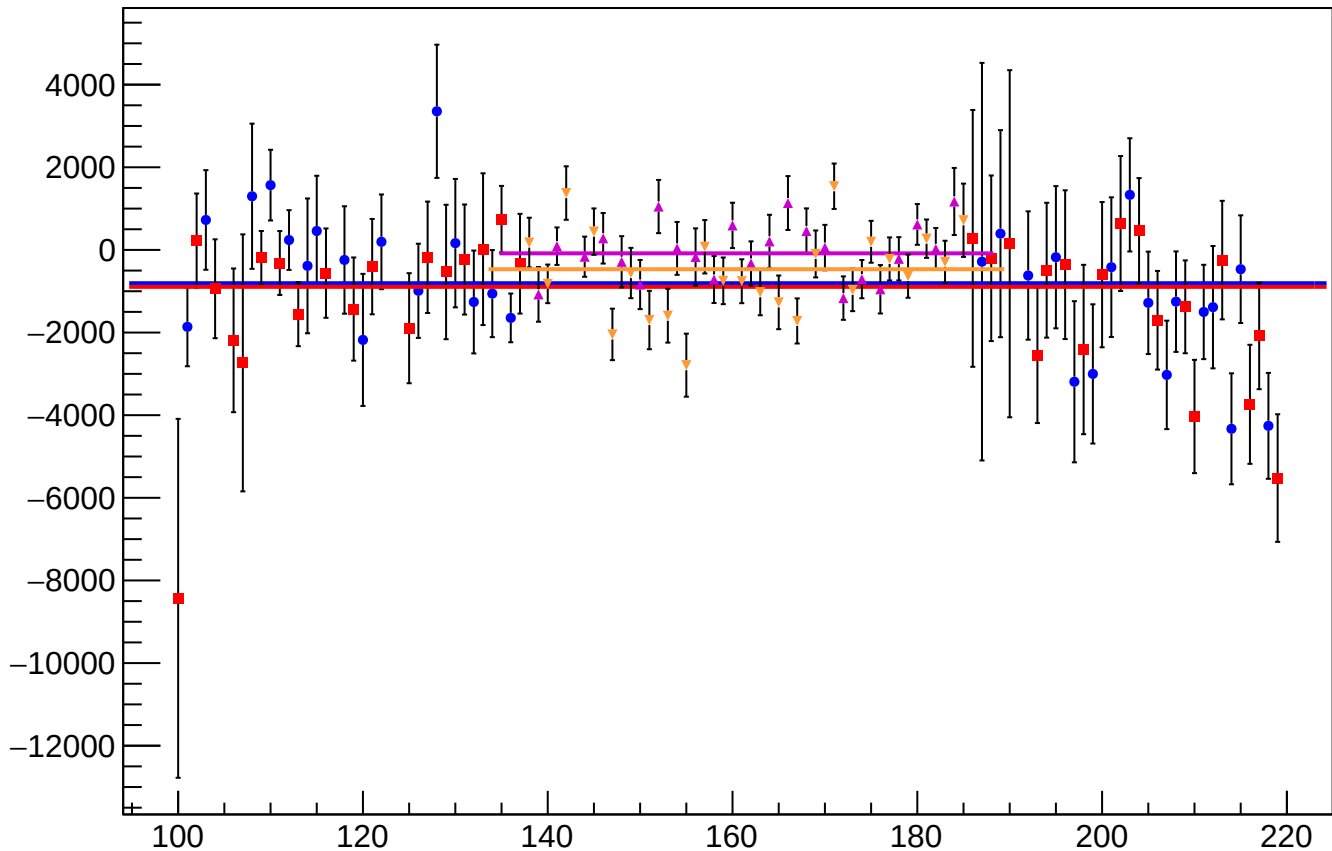
Left In: 775.922 ± 0.128 χ^2/NDF : 2973.0/22

+ sign 771.375 ± 0.088 χ^2/NDF : 20791.3/55

All: 772.634 ± 0.062 χ^2/NDF : 51833.2/113

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

asym_us_dd_reg_correction_mean vs Slug



Right In: -806.121 ± 216.200 χ^2/NDF : 49.9/31

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

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

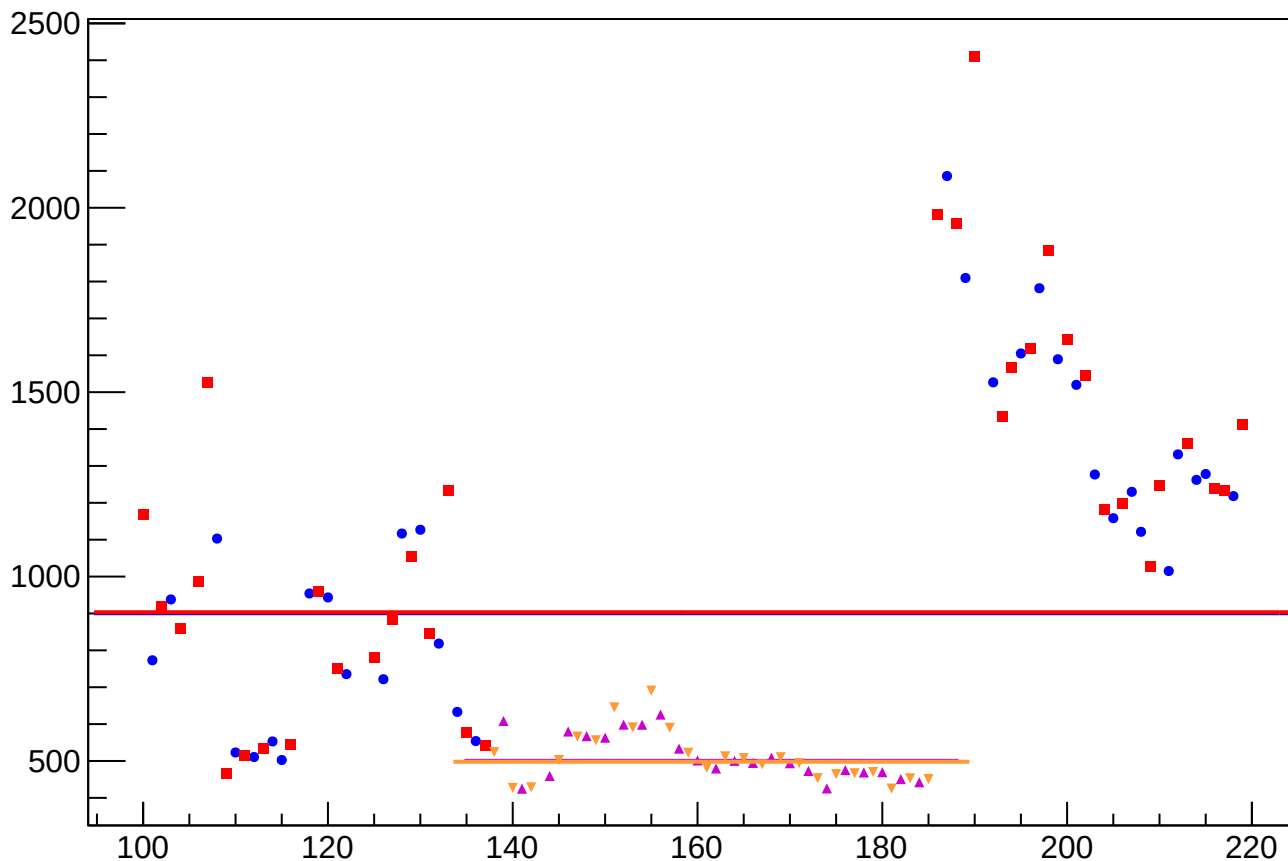
Left In: -83.154 ± 117.808 χ^2/NDF : 28.1/22

+ sign -543.643 ± 102.703 χ^2/NDF : 116.3/55

All: -407.462 ± 72.863 χ^2/NDF : 196.2/113

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

asym_us_dd_reg_correction_rms vs Slug



Right In: 900.608 $\pm$ 0.153 χ^2 /NDF: 5415645.4/31

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

Right Out: 903.332 $\pm$ 0.153 χ^2 /NDF: 6874630.1/34

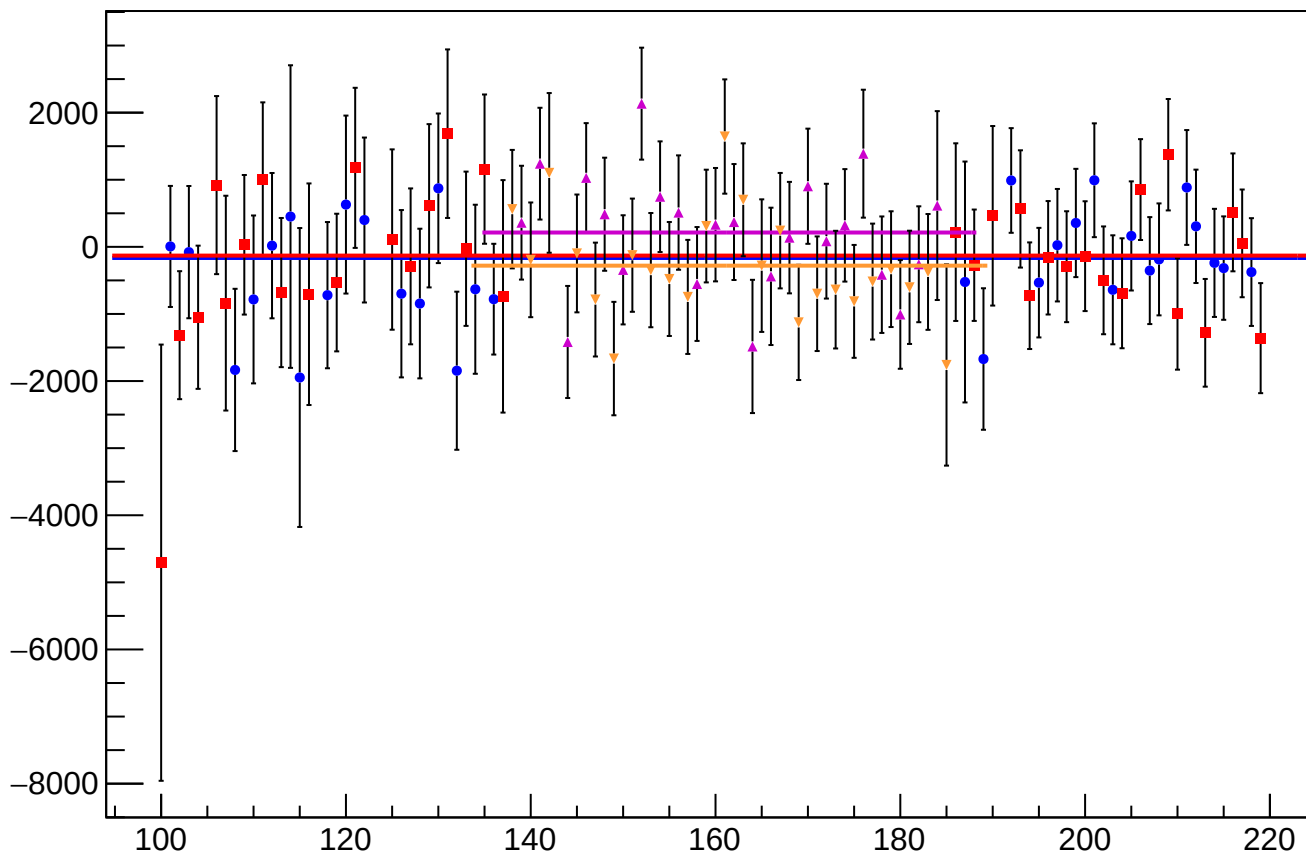
Left In: 500.307 $\pm$ 0.083 χ^2 /NDF: 477388.4/22

+ sign 588.826 $\pm$ 0.073 χ^2 /NDF: 11314043.2/55

All: 590.860 $\pm$ 0.052 χ^2 /NDF: 24046553.2/11

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

cor_asym_us_dd_mean vs Slug



Right In: -165.692 ± 170.839 χ^2/NDF : 17.2/31

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

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

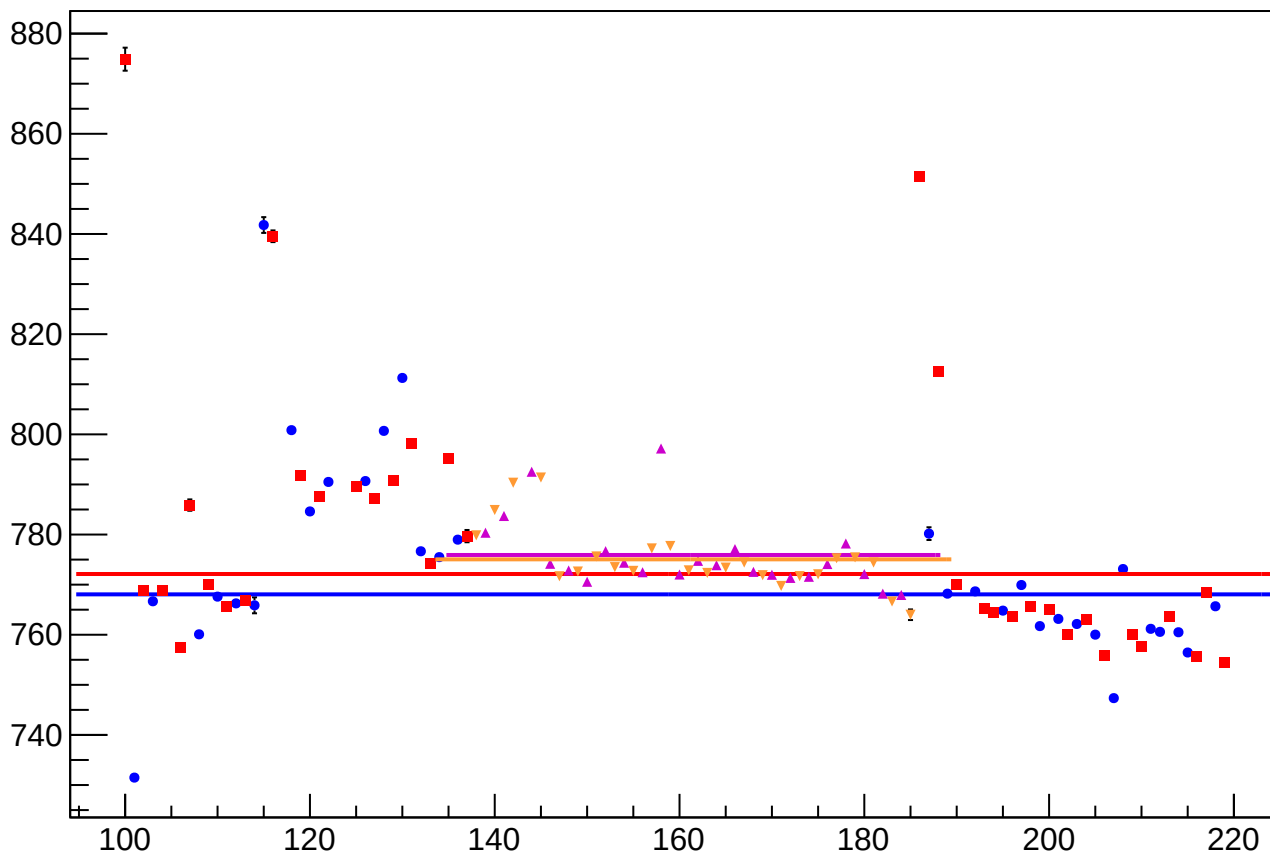
Left In: 213.425 ± 181.168 χ^2/NDF : 22.4/22

+ sign -220.074 ± 123.875 χ^2/NDF : 33.5/55

All: -95.096 ± 87.331 χ^2/NDF : 84.8/113

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

cor_asym_us_dd_rms vs Slug



Right In: 768.061 ± 0.121 χ^2/NDF : 17253.0/31

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

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

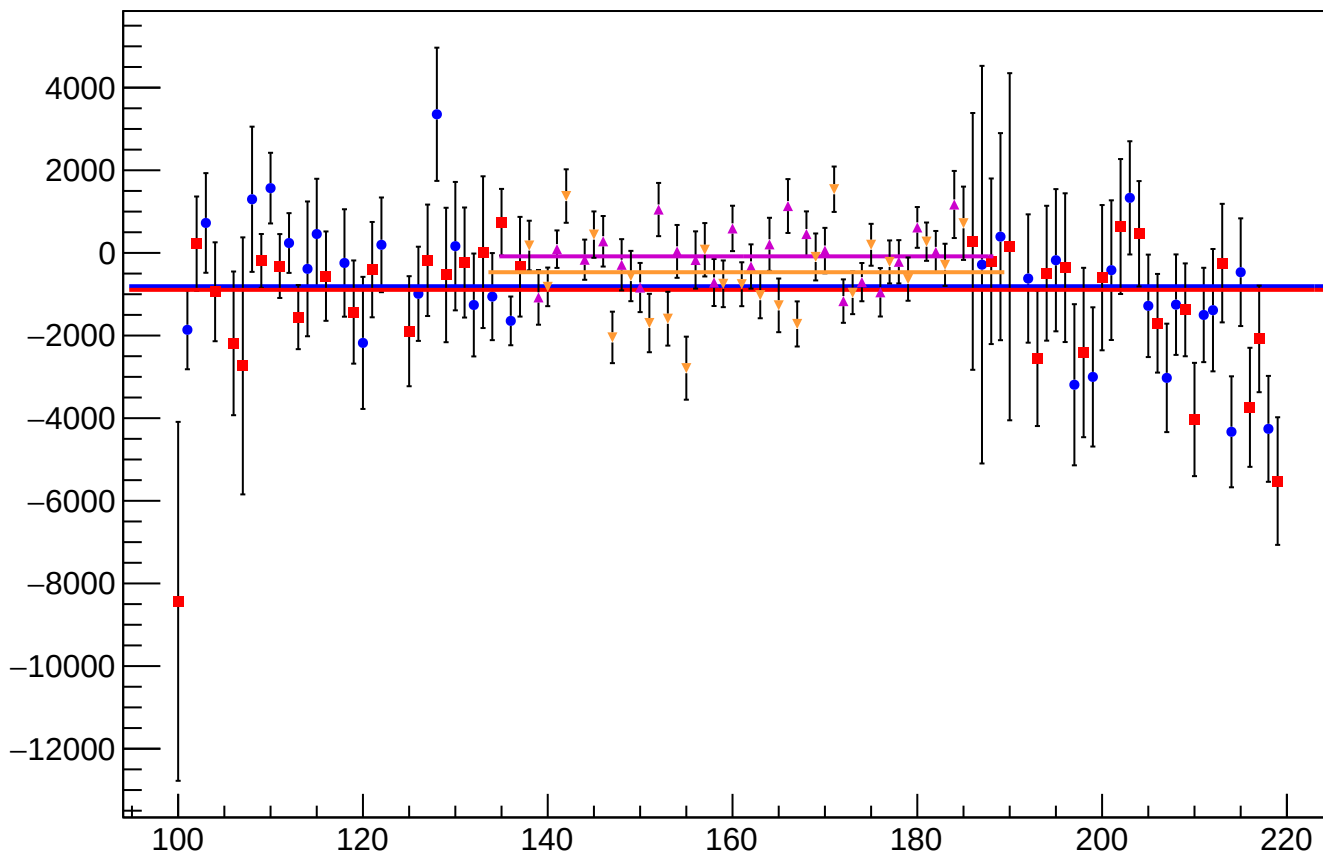
Left In: 775.922 ± 0.128 χ^2/NDF : 2973.0/22

+ sign 771.375 ± 0.088 χ^2/NDF : 20791.3/55

All: 772.634 ± 0.062 χ^2/NDF : 51833.2/113

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

asym_us_dd_cor_correction_mean vs Slug



Right In: -806.121 $\pm$ 216.200 χ^2 /NDF: 49.9/31

Left Out: -467.151 $\pm$ 116.712 χ^2 /NDF: 64.4/23

Right Out: -893.869 $\pm$ 215.676 χ^2 /NDF: 37.4/34

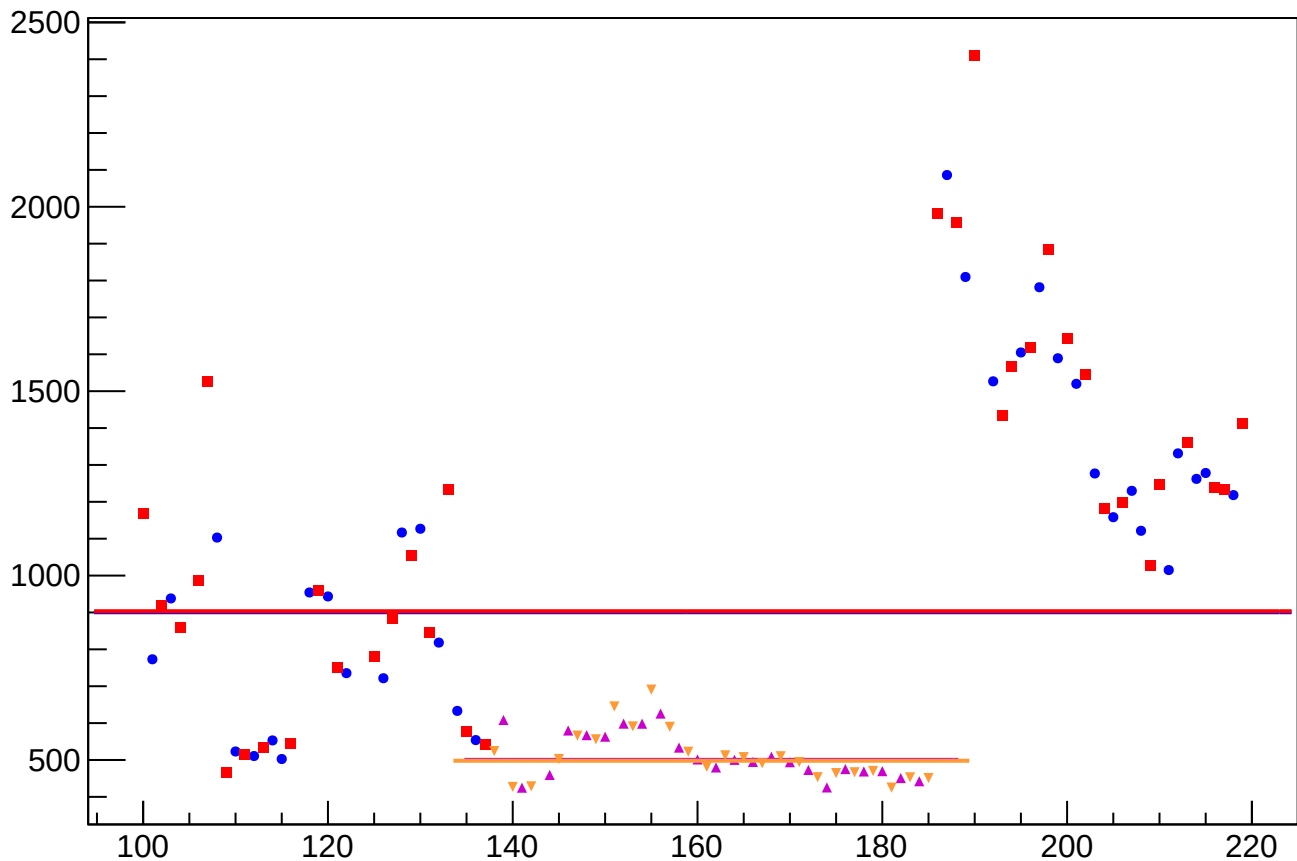
Left In: -83.154 $\pm$ 117.808 χ^2 /NDF: 28.1/22

+ sign -543.643 $\pm$ 102.703 χ^2 /NDF: 116.3/55

All: -407.462 $\pm$ 72.863 χ^2 /NDF: 196.2/113

- sign -269.455 $\pm$ 103.389 χ^2 /NDF: 76.4/57

asym_us_dd_cor_correction_rms vs Slug



Right In: 900.608 $\pm$ 0.153 χ^2 /NDF: 5415645.4/31

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

Right Out: 903.332 $\pm$ 0.153 χ^2 /NDF: 6874630.1/34

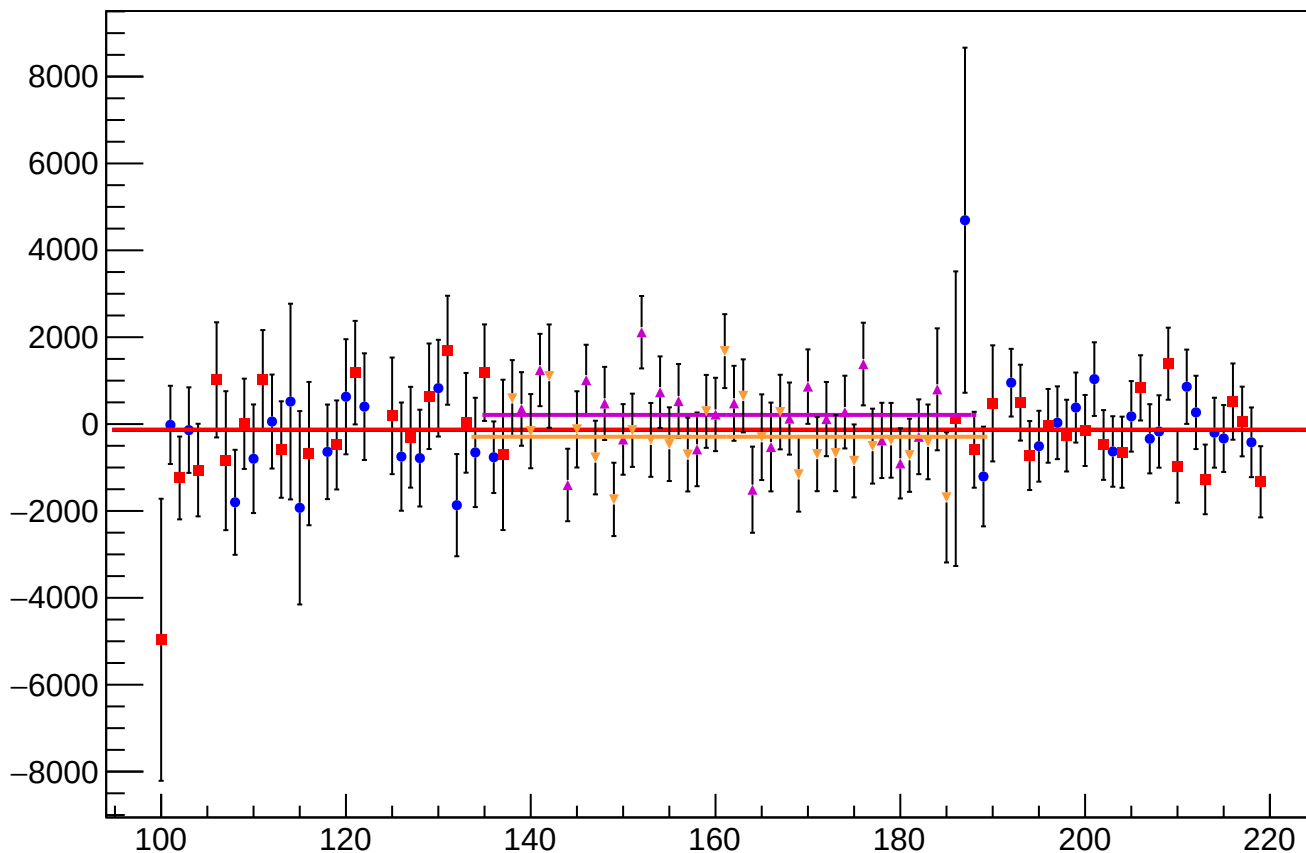
Left In: 500.307 $\pm$ 0.083 χ^2 /NDF: 477388.4/22

+ sign 588.826 $\pm$ 0.073 χ^2 /NDF: 11314043.2/55

All: 590.860 $\pm$ 0.052 χ^2 /NDF: 24046553.2/11

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

overload_cor_asym_us_dd_mean vs Slug



Right In: -134.791 ± 171.669 χ^2/NDF : 17.2/31

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

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

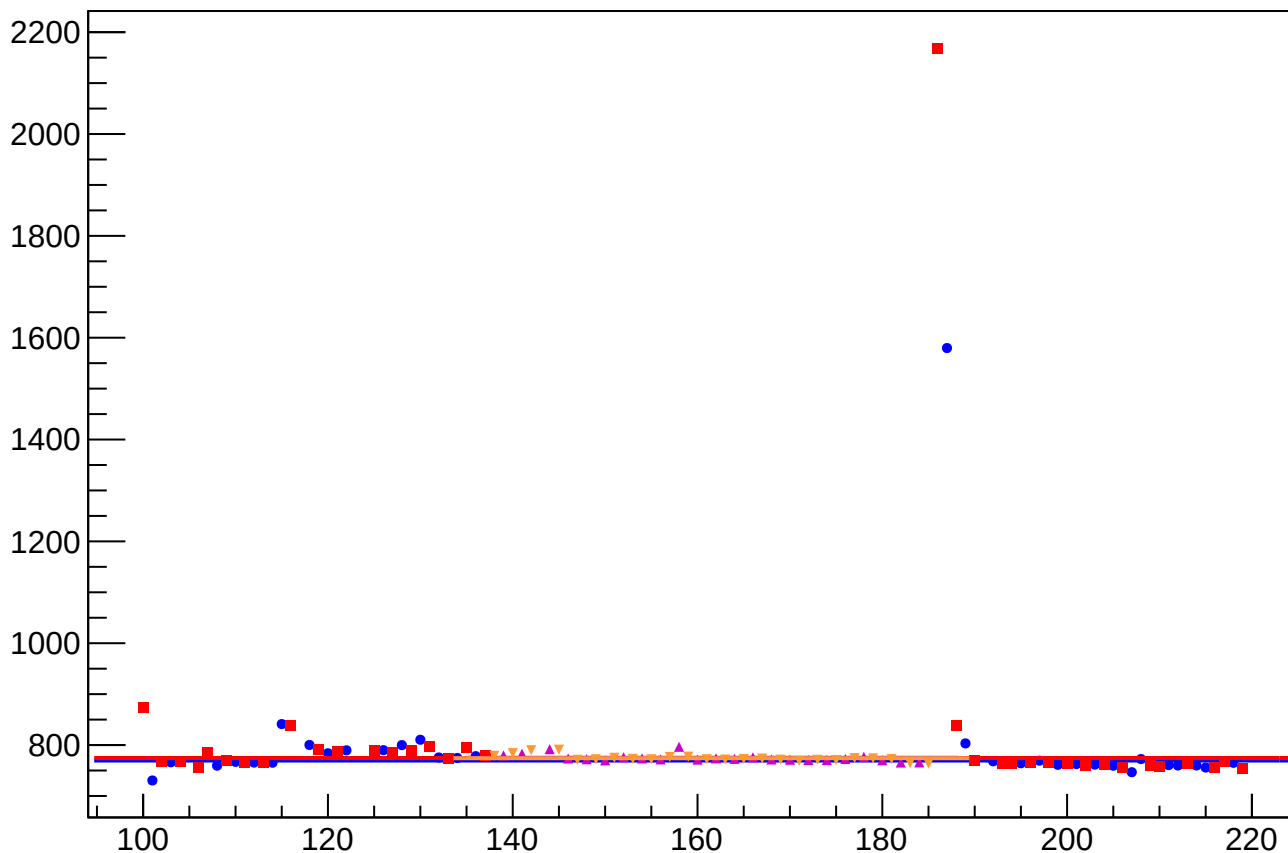
Left In: 211.238 ± 180.951 χ^2/NDF : 22.1/22

+ sign -209.834 ± 124.120 χ^2/NDF : 34.2/55

All: -89.115 ± 87.588 χ^2/NDF : 85.1/113

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

overload_cor_asym_us_dd_rms vs Slug



Right In: 769.610 $\pm$ 0.121 χ^2 /NDF: 102423.9/31

Left Out: 774.142 $\pm$ 0.127 χ^2 /NDF: 2060.4/23

Right Out: 774.565 $\pm$ 0.120 χ^2 /NDF: 364898.6/34

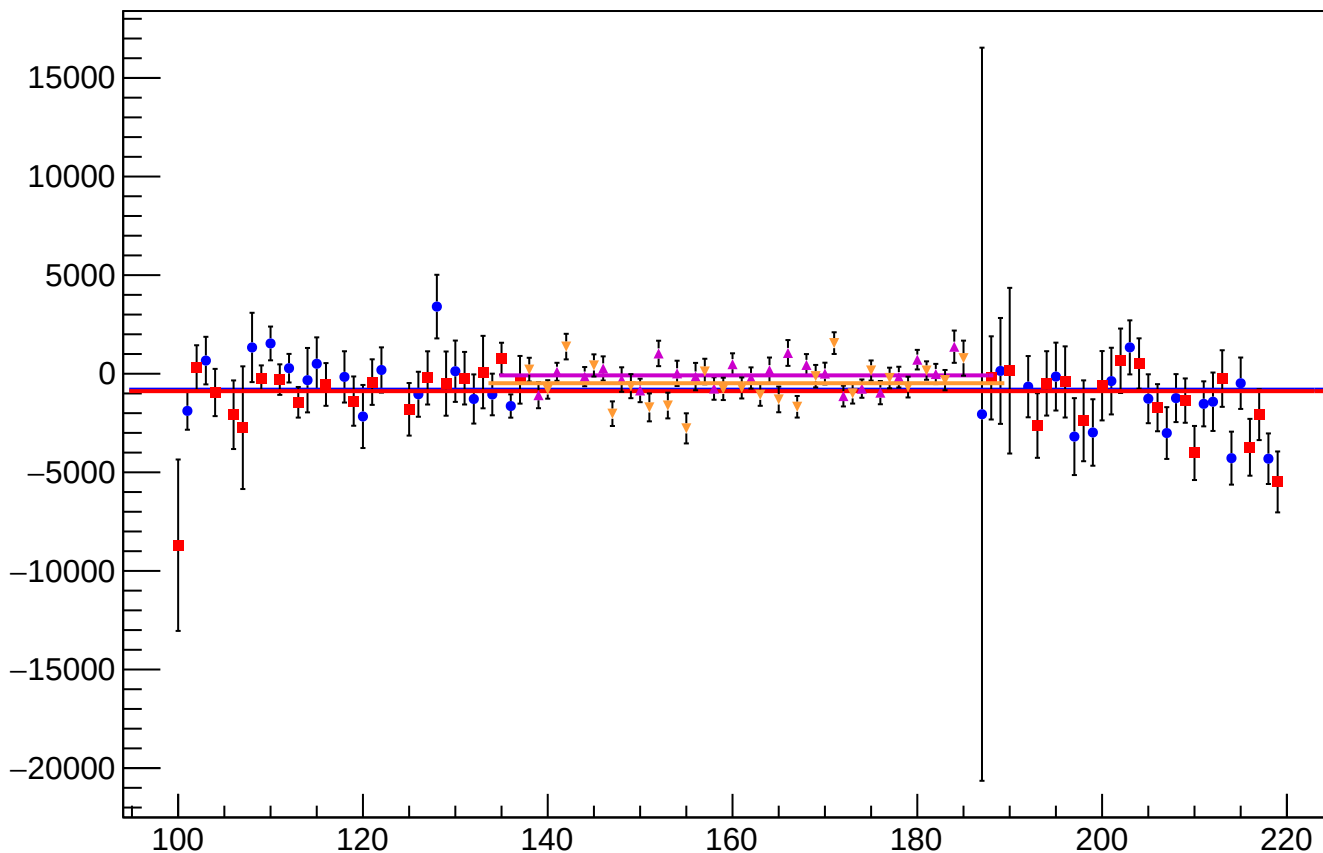
Left In: 774.990 $\pm$ 0.128 χ^2 /NDF: 3148.2/22

+ sign 771.773 $\pm$ 0.088 χ^2 /NDF: 105149.5/55

All: 773.274 $\pm$ 0.062 χ^2 /NDF: 473785.0/113

- sign 774.763 $\pm$ 0.087 χ^2 /NDF: 368052.6/57

asym_us_dd_overload_cor_correction_mean vs Slug



Right In: -807.945+/-216.737 χ^2/NDF : 49.9/31

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

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

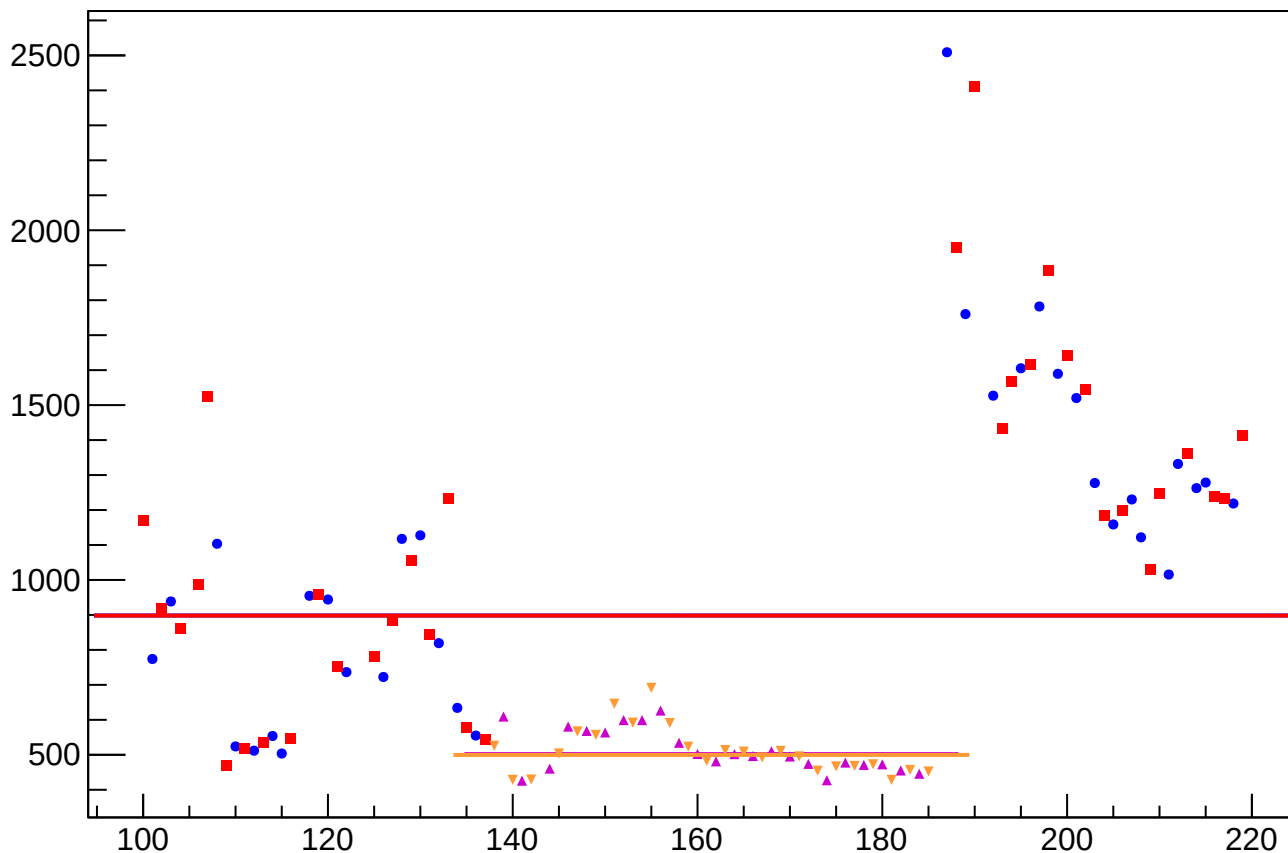
Left In: -83.196+/-118.194 χ^2/NDF : 28.2/22

+ sign -555.108+/-103.019 χ^2/NDF : 115.2/55

All: -412.050+/-73.102 χ^2/NDF : 195.0/112

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

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 898.416+/-0.153 χ^2/NDF : 5232651.1/31

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

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

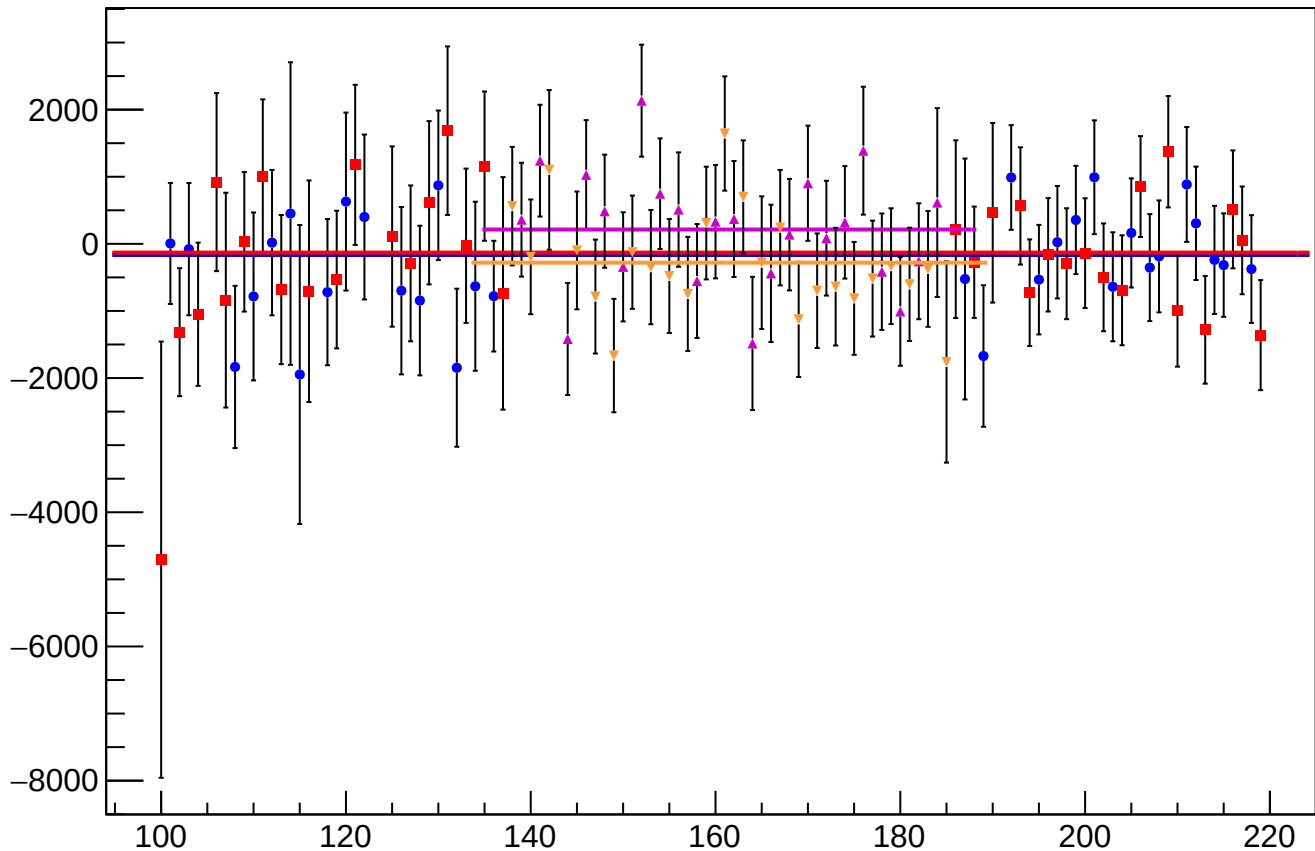
Left In: 502.026+/-0.084 χ^2/NDF : 467449.2/22

+ sign 589.757+/-0.073 χ^2/NDF : 10989052.9/55

All: 591.321+/-0.052 χ^2/NDF : 23154698.4/11

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

eigen_cor_asym_us_dd_mean vs Slug



Right In: -165.692 ± 170.839 χ^2/NDF : 17.2/31

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

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

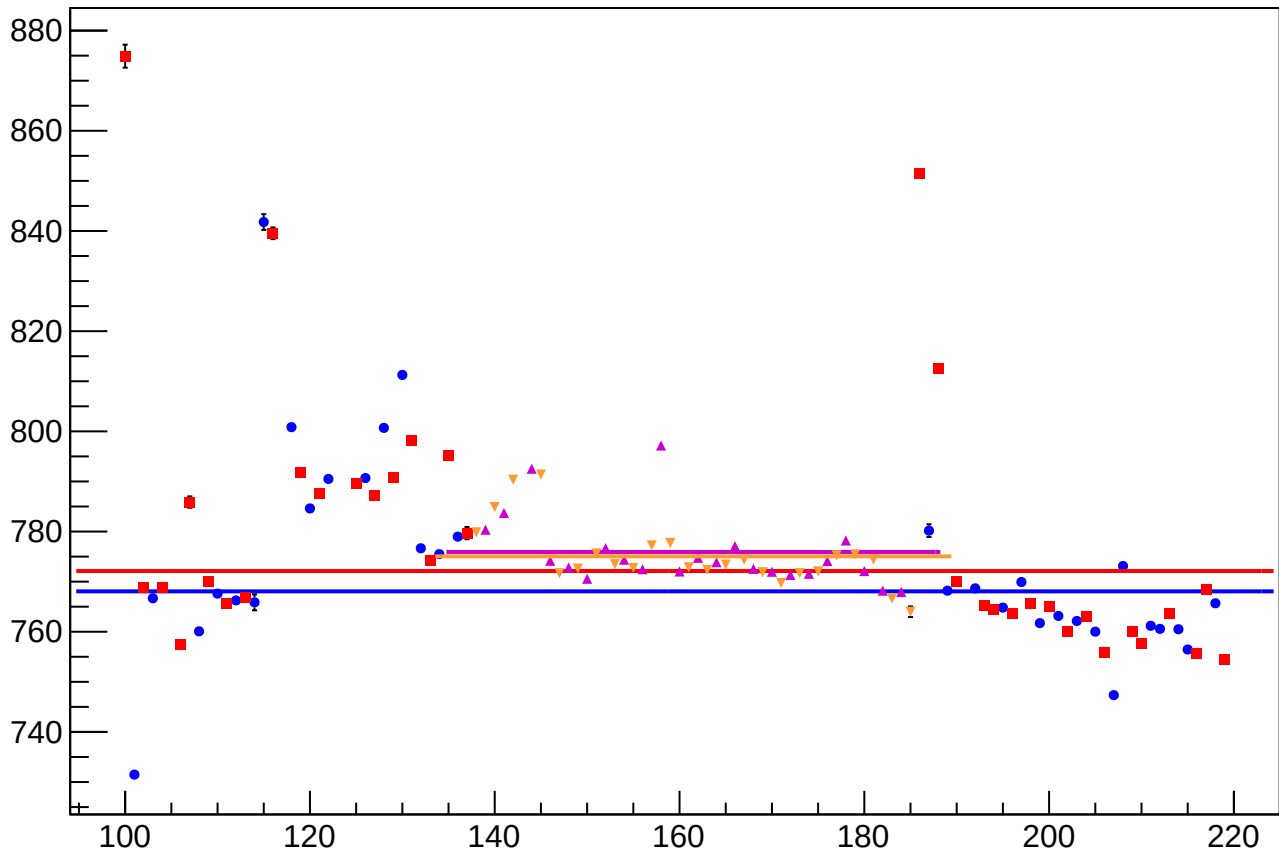
Left In: 213.425 ± 181.168 χ^2/NDF : 22.4/22

+ sign -220.074 ± 123.875 χ^2/NDF : 33.5/55

All: -95.096 ± 87.331 χ^2/NDF : 84.8/113

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

eigen_cor_asym_us_dd_rms vs Slug



Right In: 768.061 $\pm$ 0.121 χ^2 /NDF: 17253.0/31

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

Right Out: 772.124 $\pm$ 0.119 χ^2 /NDF: 27185.3/34

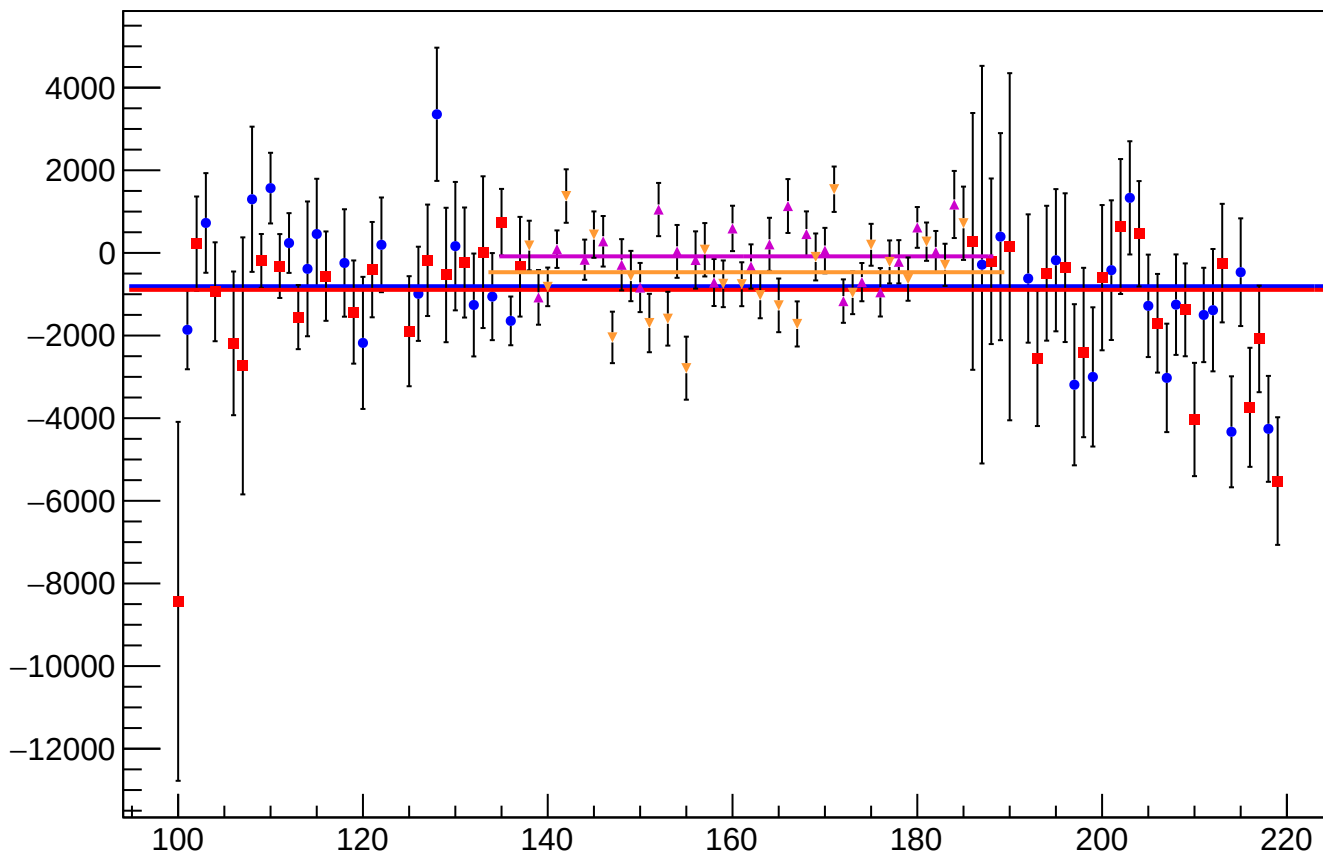
Left In: 775.922 $\pm$ 0.128 χ^2 /NDF:2973.0/22

+ sign 771.375 $\pm$ 0.088 χ^2 /NDF: 20791.3/55

All: 772.634 $\pm$ 0.062 χ^2 /NDF: 51833.2/113

- sign 773.878 $\pm$ 0.087 χ^2 /NDF: 30631.2/57

asym_us_dd_eigen_cor_correction_mean vs Slug



Right In: -806.121+/-216.200 χ^2 /NDF: 49.9/31

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

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

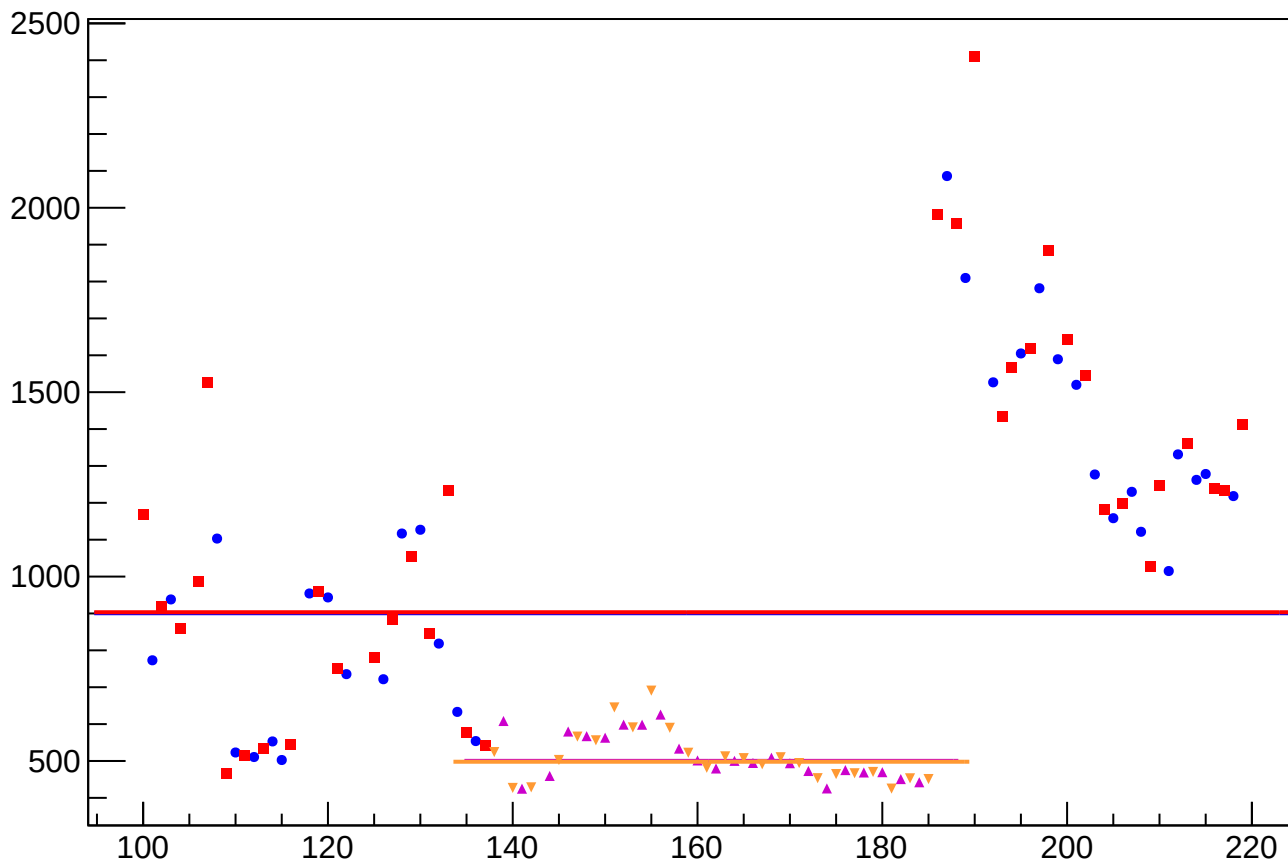
Left In: -83.154+/-117.808 χ^2 /NDF:28.1/22

+ sign -543.643+/-102.703 χ^2 /NDF: 116.3/55

All: -407.462+/-72.863 χ^2 /NDF: 196.2/113

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

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 900.608 $\pm$ 0.153 χ^2 /NDF: 5415645.4/31

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

Right Out: 903.332 $\pm$ 0.153 χ^2 /NDF: 6874630.1/34

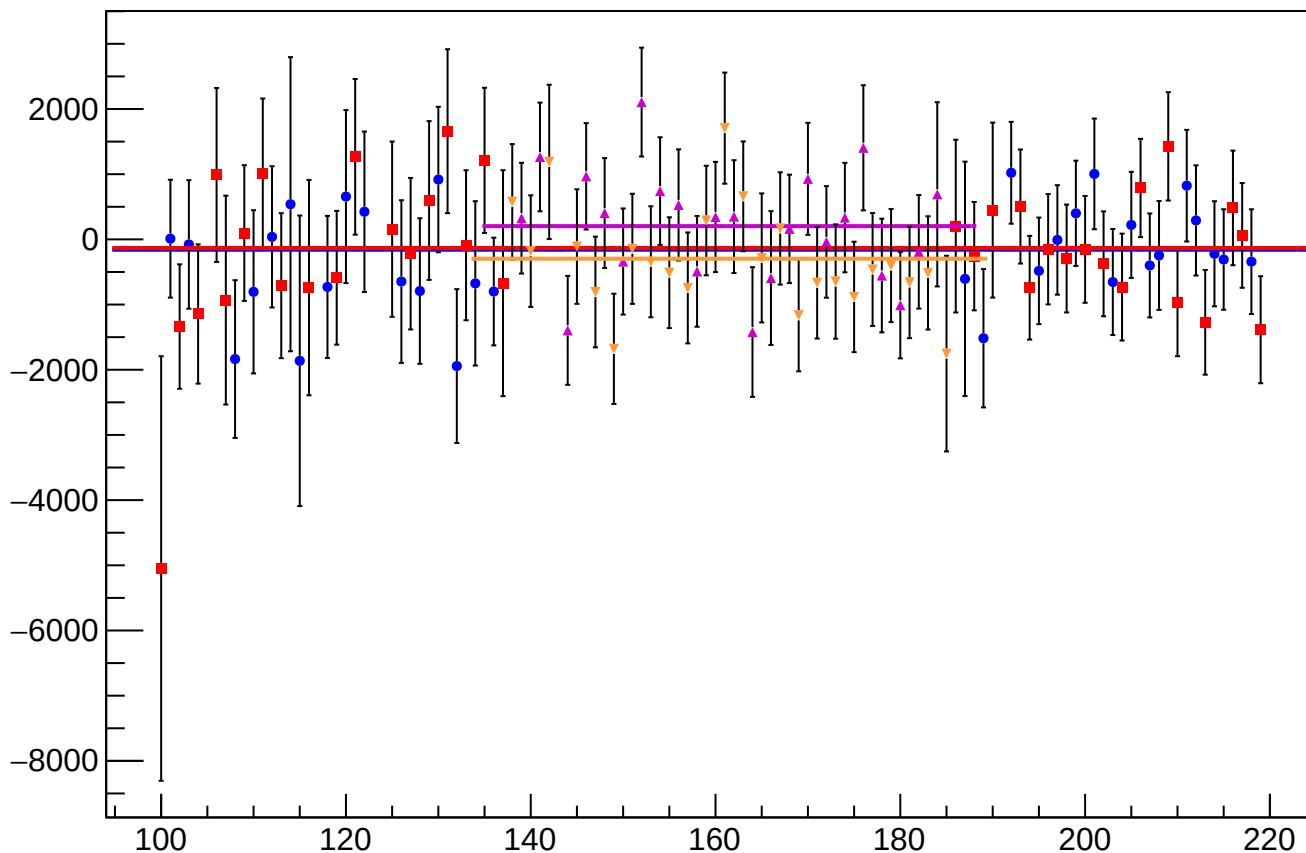
Left In: 500.307 $\pm$ 0.083 χ^2 /NDF: 477388.4/22

+ sign 588.826 $\pm$ 0.073 χ^2 /NDF: 11314043.2/55

All: 590.860 $\pm$ 0.052 χ^2 /NDF: 24046553.2/11

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

dit_asym_us_dd_mean vs Slug



Right In: -158.638 ± 171.034 $\chi^2/\text{NDF}: 17.2/31$

Left Out: -296.771 ± 180.280 $\chi^2/\text{NDF}: 16.7/23$

Right Out: -131.539 ± 168.070 $\chi^2/\text{NDF}: 25.7/34$

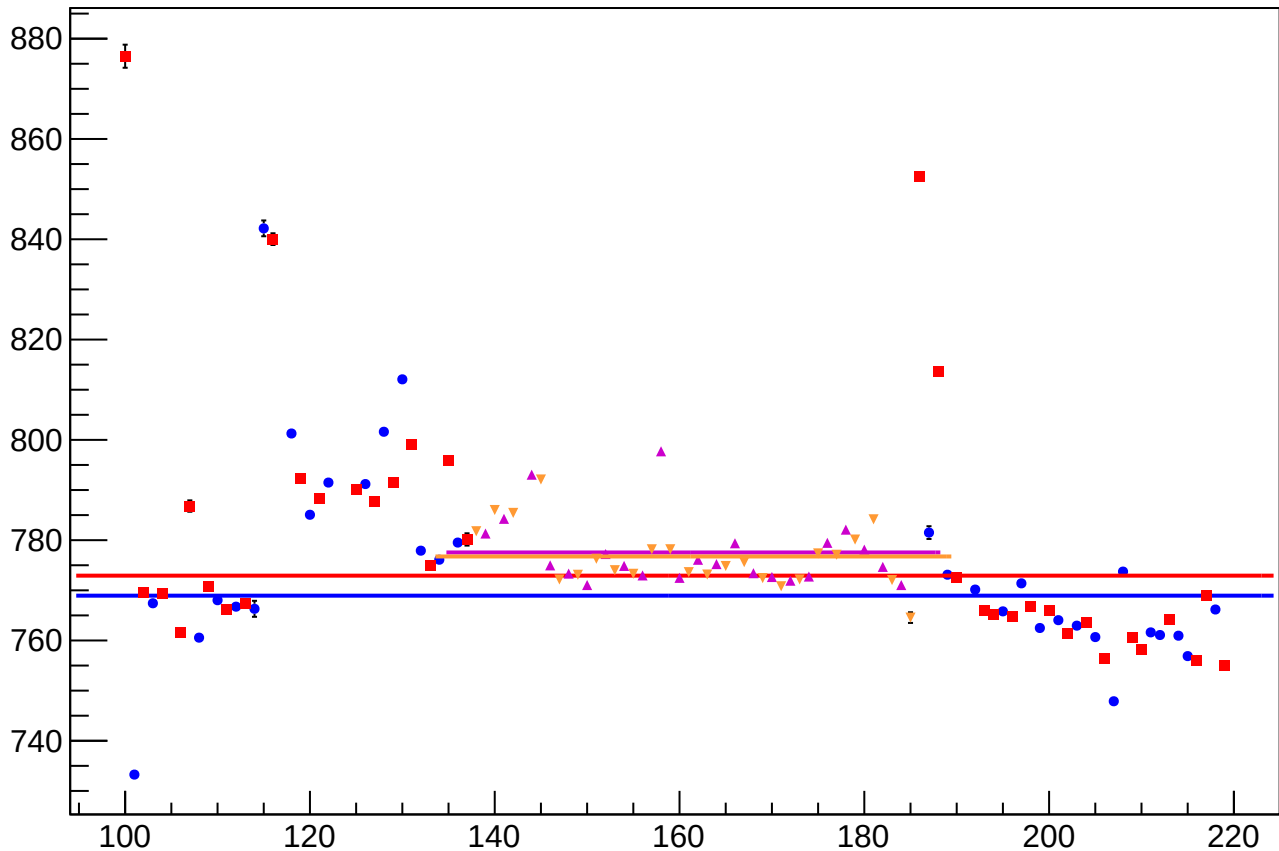
Left In: 203.339 ± 181.548 $\chi^2/\text{NDF}: 22.1/22$

+ sign -224.071 ± 124.079 $\chi^2/\text{NDF}: 34.2/55$

All: -99.786 ± 87.472 $\chi^2/\text{NDF}: 85.9/113$

- sign 23.009 ± 123.333 $\chi^2/\text{NDF}: 49.7/57$

dit_asym_us_dd_rms vs Slug



Right In: 768.936 ± 0.121 $\chi^2/\text{NDF}: 17136.4/31$

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

Right Out: 772.927 ± 0.119 $\chi^2/\text{NDF}: 27167.9/34$

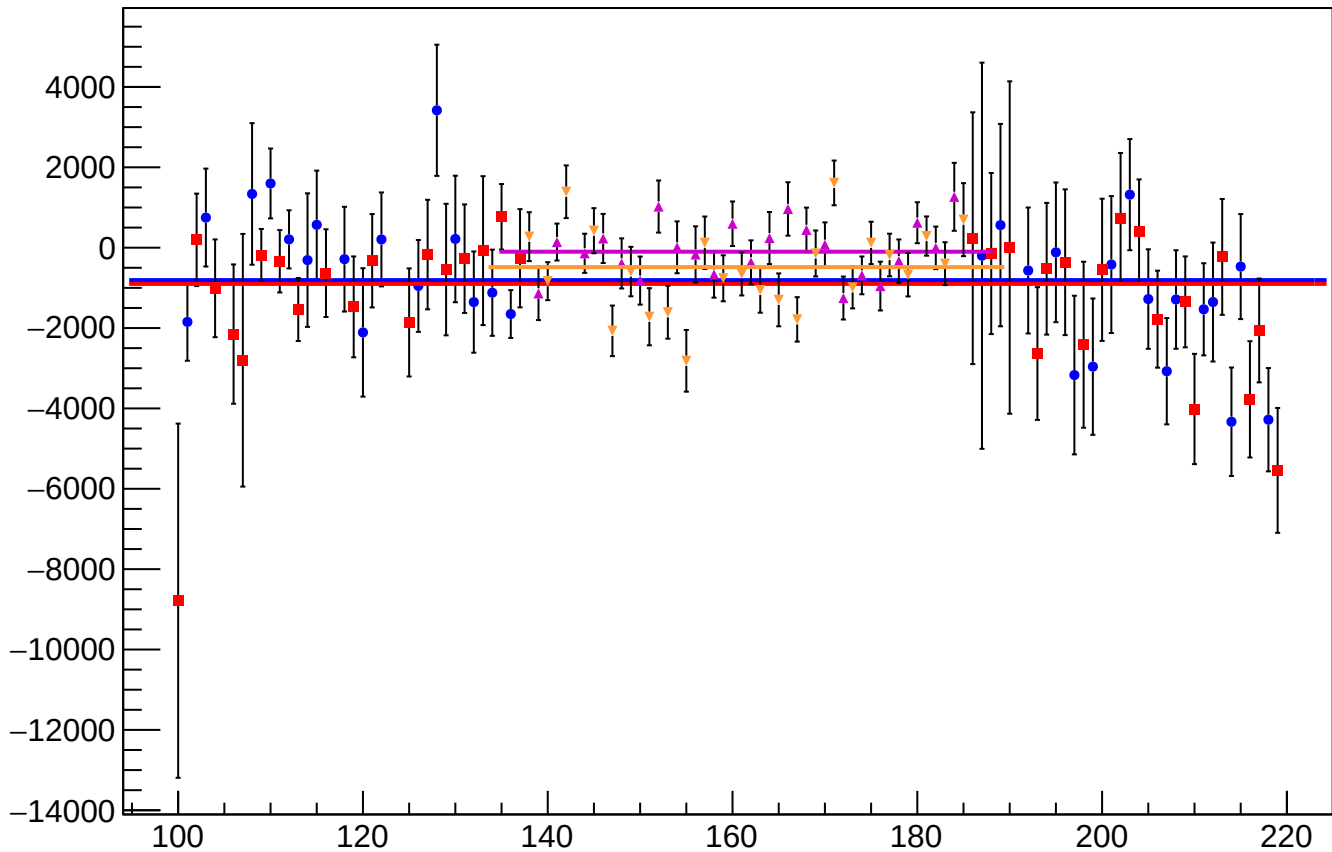
Left In: 777.550 ± 0.128 $\chi^2/\text{NDF}: 2750.7/22$

+ sign 772.638 ± 0.088 $\chi^2/\text{NDF}: 20940.5/55$

All: 773.856 ± 0.062 $\chi^2/\text{NDF}: 51941.0/113$

- sign 775.060 ± 0.087 $\chi^2/\text{NDF}: 30617.0/57$

asym_us_dd_dit_correction_mean vs Slug



Right In: -806.971 $\pm$ 217.985 χ^2/NDF : 49.9/31

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

Right Out: -901.061 $\pm$ 217.370 χ^2/NDF : 37.5/34

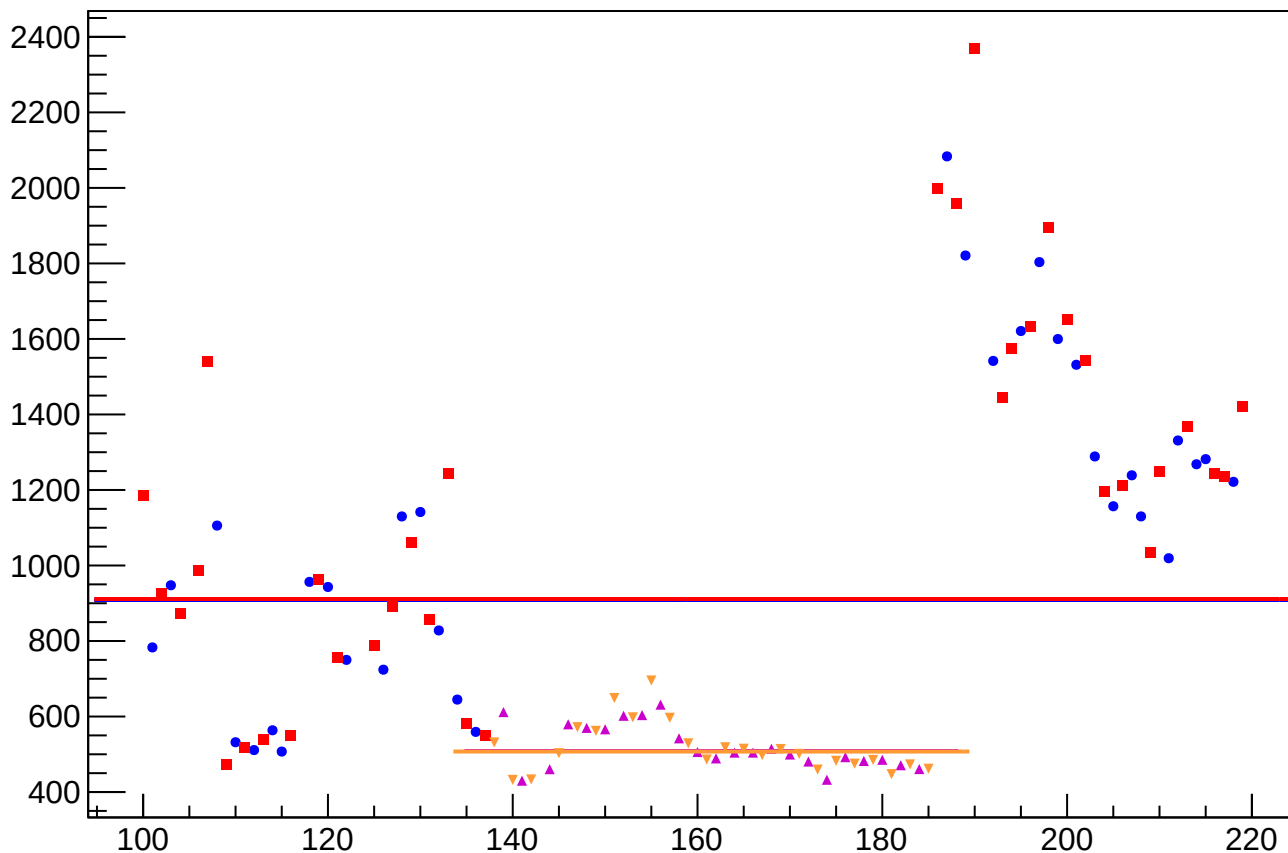
Left In: -99.985 $\pm$ 119.677 χ^2/NDF : 27.4/22

+ sign -557.106 $\pm$ 104.318 χ^2/NDF : 116.7/55

All: -422.389 $\pm$ 73.947 χ^2/NDF : 195.4/113

- sign -286.326 $\pm$ 104.837 χ^2/NDF : 75.3/57

asym_us_dd_dit_correction_rms vs Slug



Right In: 908.629 $\pm$ 0.154 χ^2 /NDF: 5375360.6/31

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

Right Out: 911.226 $\pm$ 0.154 χ^2 /NDF: 6816699.3/34

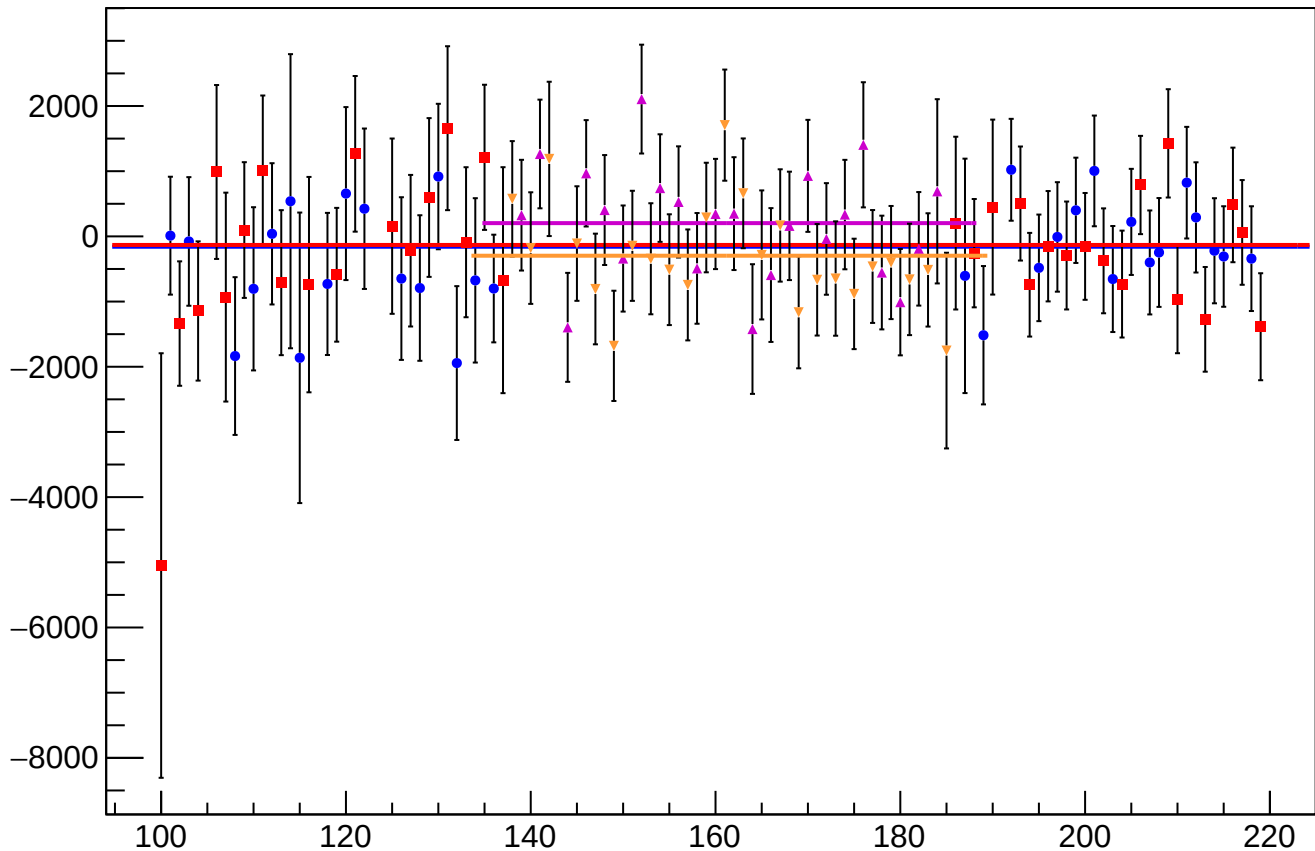
Left In: 508.638 $\pm$ 0.085 χ^2 /NDF: 432447.1/22

+ sign 599.225 $\pm$ 0.074 χ^2 /NDF: 11075478.2/55

All: 600.748 $\pm$ 0.052 χ^2 /NDF: 23590107.3/11

- sign 602.286 $\pm$ 0.074 χ^2 /NDF: 12513772.4/57

eigen_dit_asym_us_dd_mean vs Slug



Right In: -158.639 ± 171.034 χ^2/NDF : 17.2/31

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

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

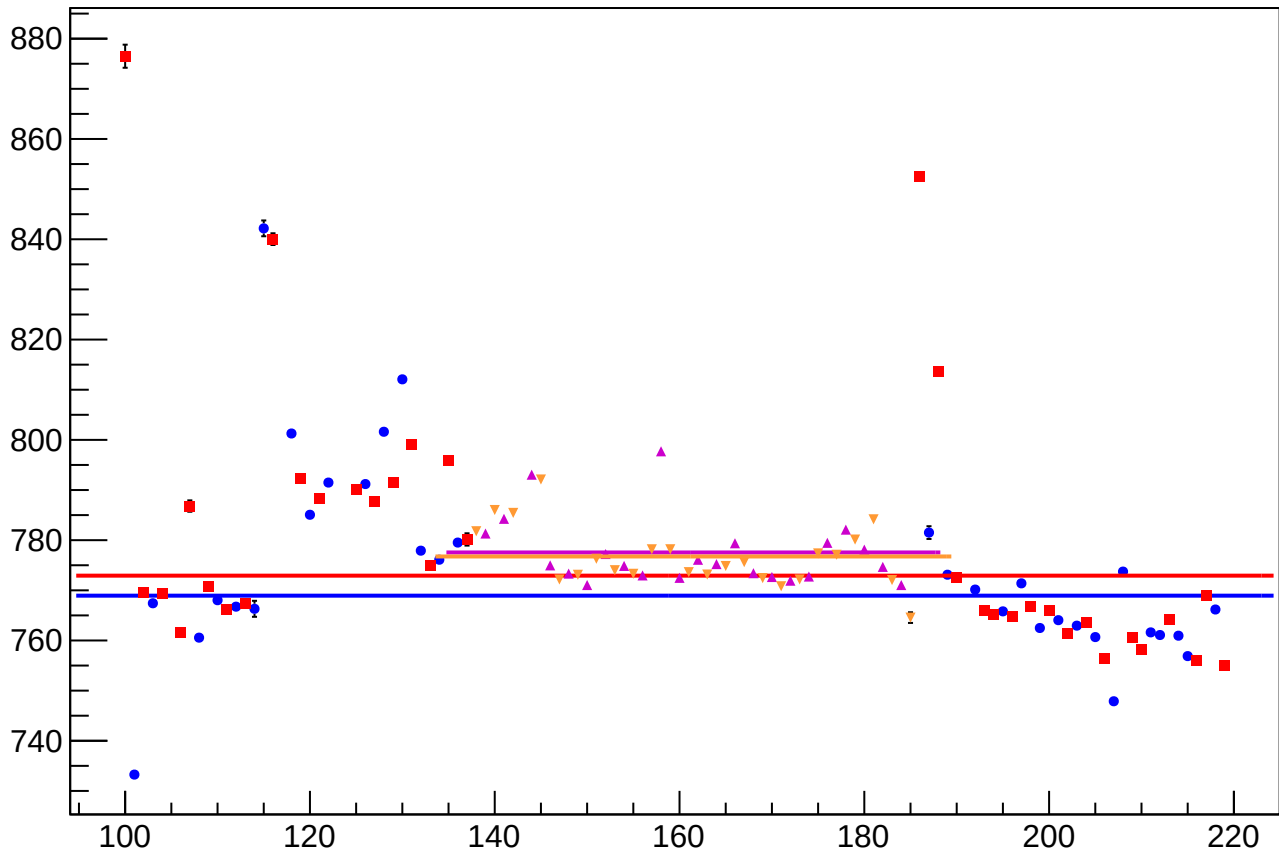
Left In: 203.338 ± 181.548 χ^2/NDF : 22.1/22

+ sign -224.072 ± 124.079 χ^2/NDF : 34.2/55

All: -99.786 ± 87.472 χ^2/NDF : 85.9/113

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

eigen_dit_asym_us_dd_rms vs Slug



Right In: 768.936 ± 0.121 $\chi^2/\text{NDF}: 17136.3/31$

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

Right Out: 772.927 ± 0.119 $\chi^2/\text{NDF}: 27167.9/34$

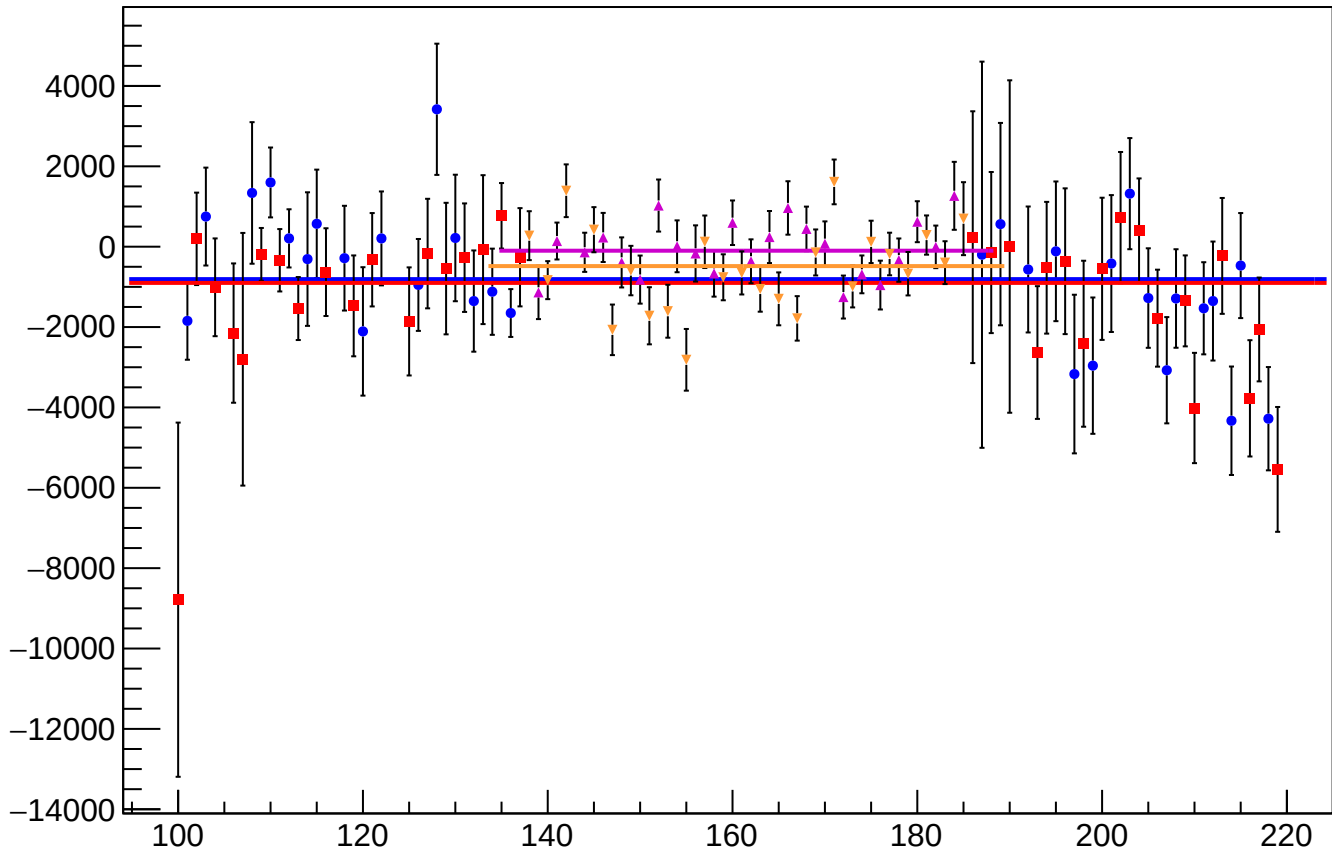
Left In: 777.550 ± 0.128 $\chi^2/\text{NDF}: 2750.7/22$

+ sign 772.638 ± 0.088 $\chi^2/\text{NDF}: 20940.5/55$

All: 773.856 ± 0.062 $\chi^2/\text{NDF}: 51940.9/113$

- sign 775.060 ± 0.087 $\chi^2/\text{NDF}: 30617.0/57$

asym_us_dd_eigen_dit_correction_mean vs Slug



Right In: -806.964 $\pm$ 217.985 χ^2 /NDF: 49.9/31

Left Out: -482.886 $\pm$ 118.806 χ^2 /NDF:65.1/23

Right Out: -901.057 $\pm$ 217.369 χ^2 /NDF: 37.5/34

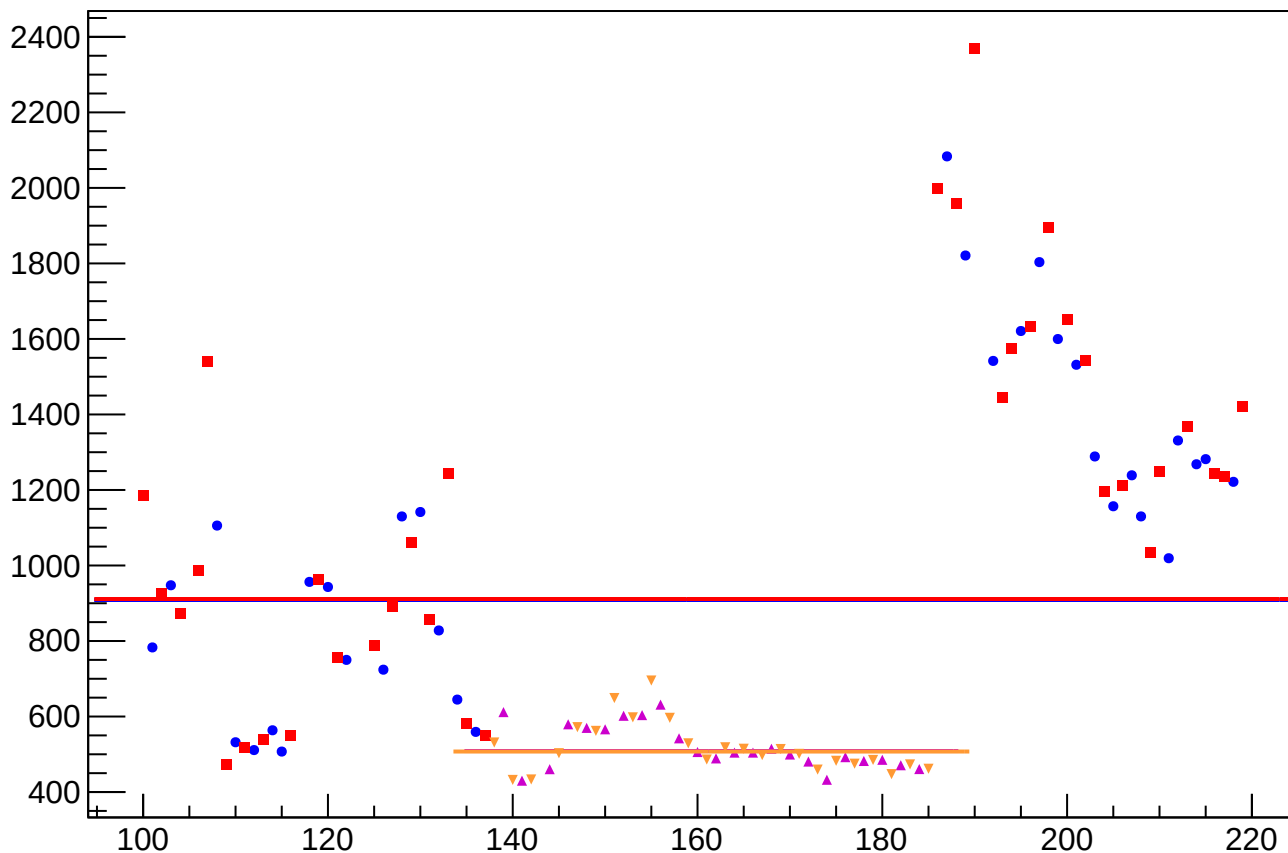
Left In: -99.985 $\pm$ 119.677 χ^2 /NDF:27.4/22

+ sign -557.105 $\pm$ 104.318 χ^2 /NDF: 116.7/55

All: -422.388 $\pm$ 73.947 χ^2 /NDF: 195.4/113

- sign -286.326 $\pm$ 104.837 χ^2 /NDF: 75.3/57

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 908.625+/-0.154 χ^2/NDF : 5375437.4/31

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

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

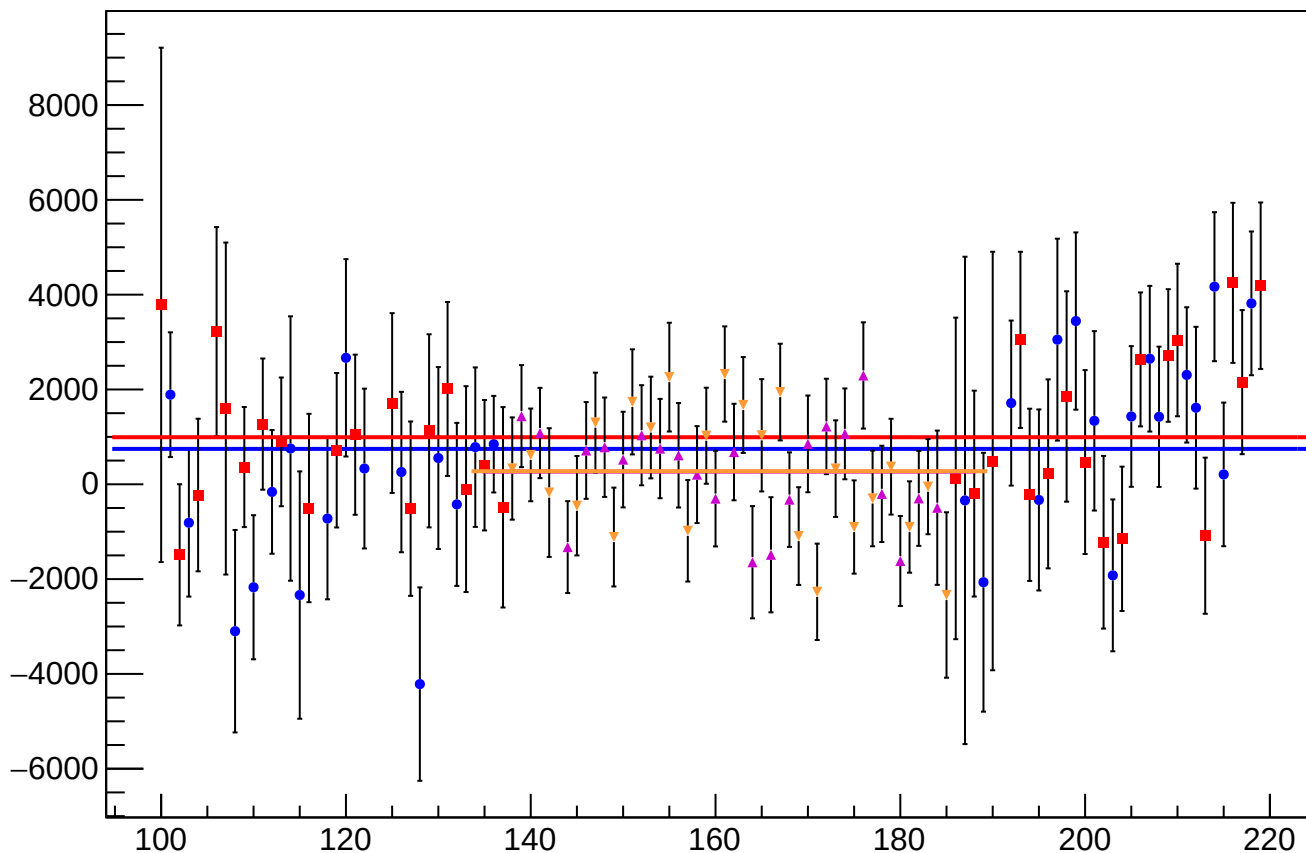
Left In: 508.638+/-0.085 χ^2/NDF : 432461.7/22

+ sign 599.225+/-0.074 χ^2/NDF : 11075494.1/55

All: 600.747+/-0.052 χ^2/NDF : 23590147.3/11

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

asym_us_dd_mean vs Slug



Right In: 746.676 ± 296.870 χ^2/NDF : 38.9/31

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

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

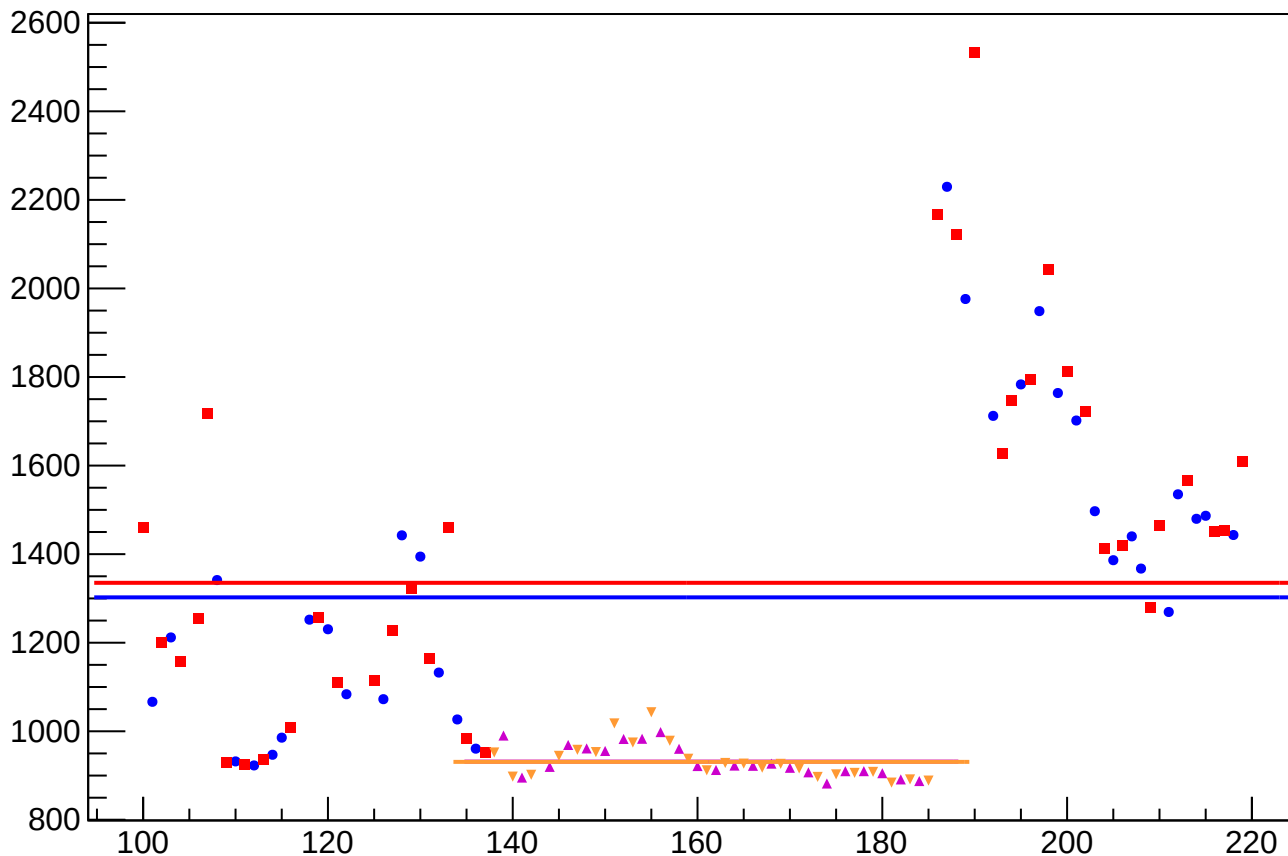
Left In: 267.059 ± 217.685 χ^2/NDF : 21.4/22

+ sign 438.672 ± 174.814 χ^2/NDF : 74.2/55

All: 478.206 ± 124.033 χ^2/NDF : 126.7/113

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

asym_us_dd_rms vs Slug



Right In: 1302.421+/-0.210 χ^2/NDF : 1795155.7/31

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

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

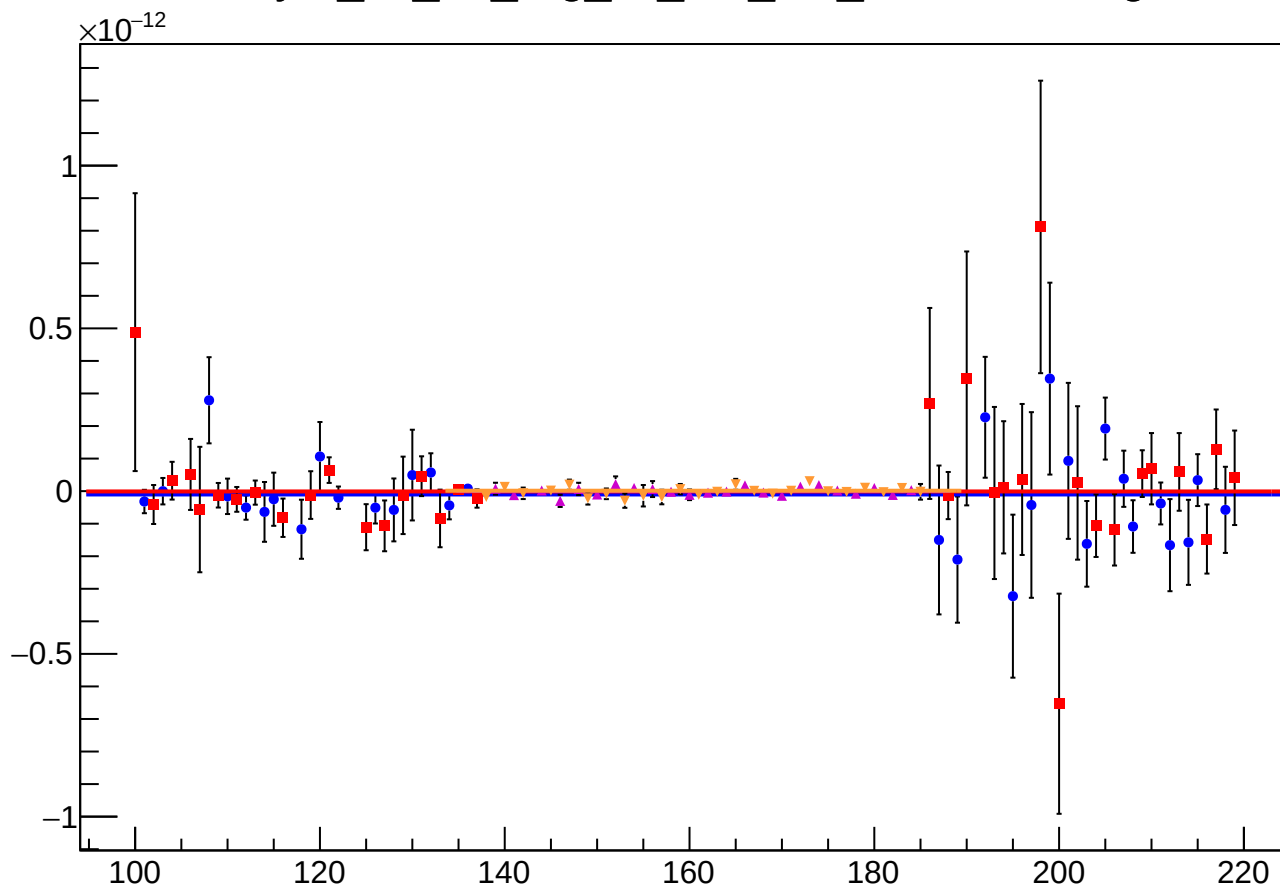
Left In: 931.562+/-0.154 χ^2/NDF : 48916.1/22

+ sign 1059.739+/-0.124 χ^2/NDF : 3903038.3/55

All: 1065.502+/-0.088 χ^2/NDF : 8651041.8/11

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

asym_us_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 30.9/31

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

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

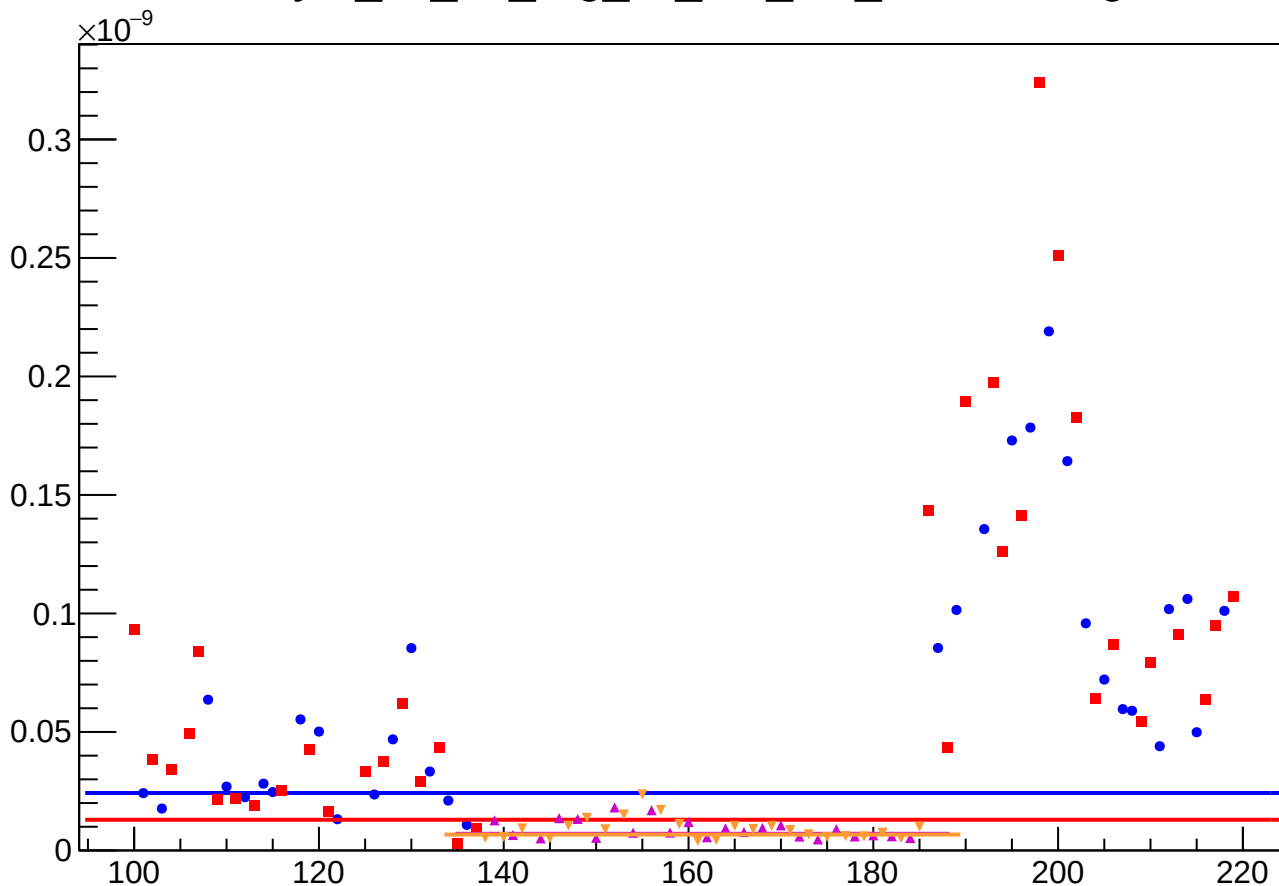
Left In: 0.000 ± 0.000 χ^2/NDF : 22.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 57.9/55

All: 0.000 ± 0.000 χ^2/NDF : 109.8/113

- sign 0.000 ± 0.000 χ^2/NDF : 51.8/57

asym_us_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 11204421.7/31

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

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 17922716.4/34

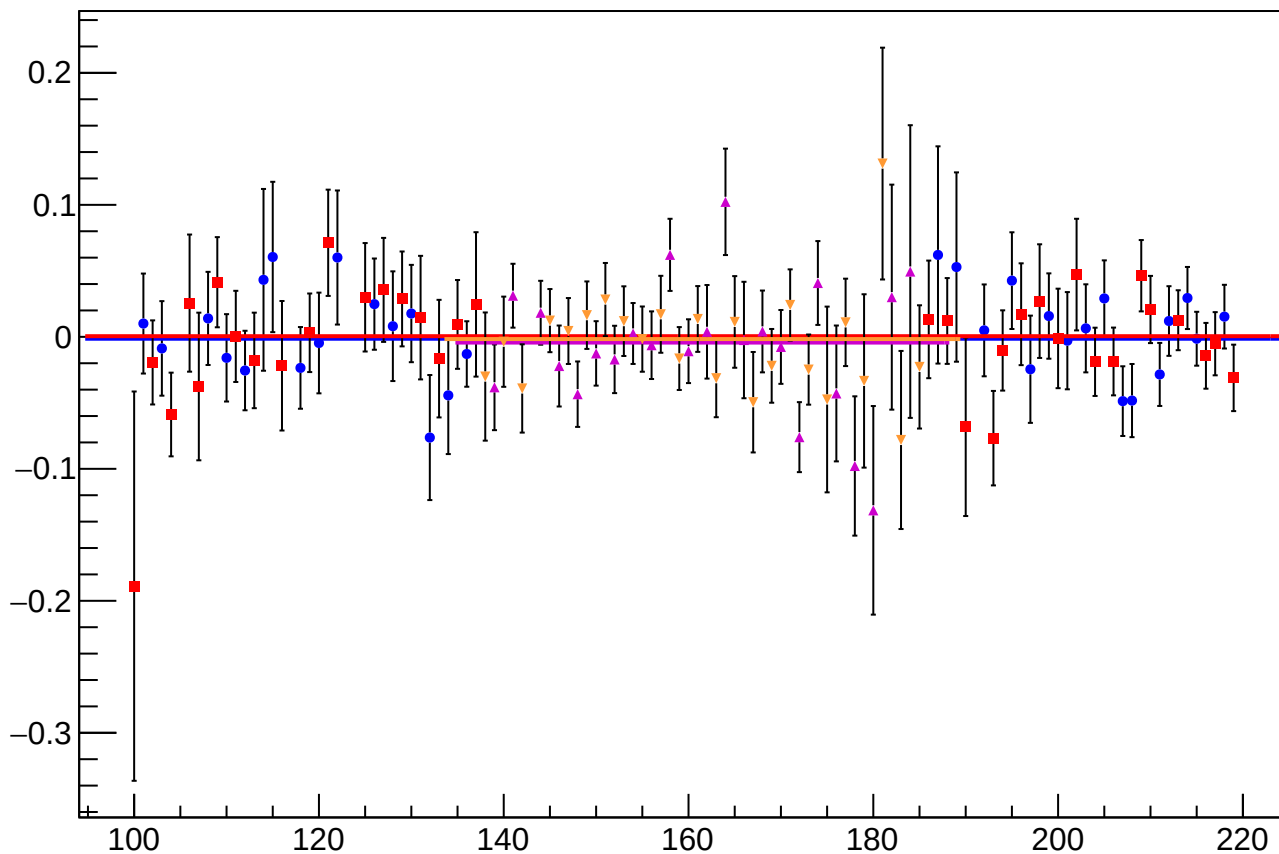
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2443418.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 20370812.6/55

All: 0.000 $\pm$ 0.000 χ^2/NDF : 41997797.2/113

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 21626983.4/57

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.006 χ^2/NDF : 23.5/31

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

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

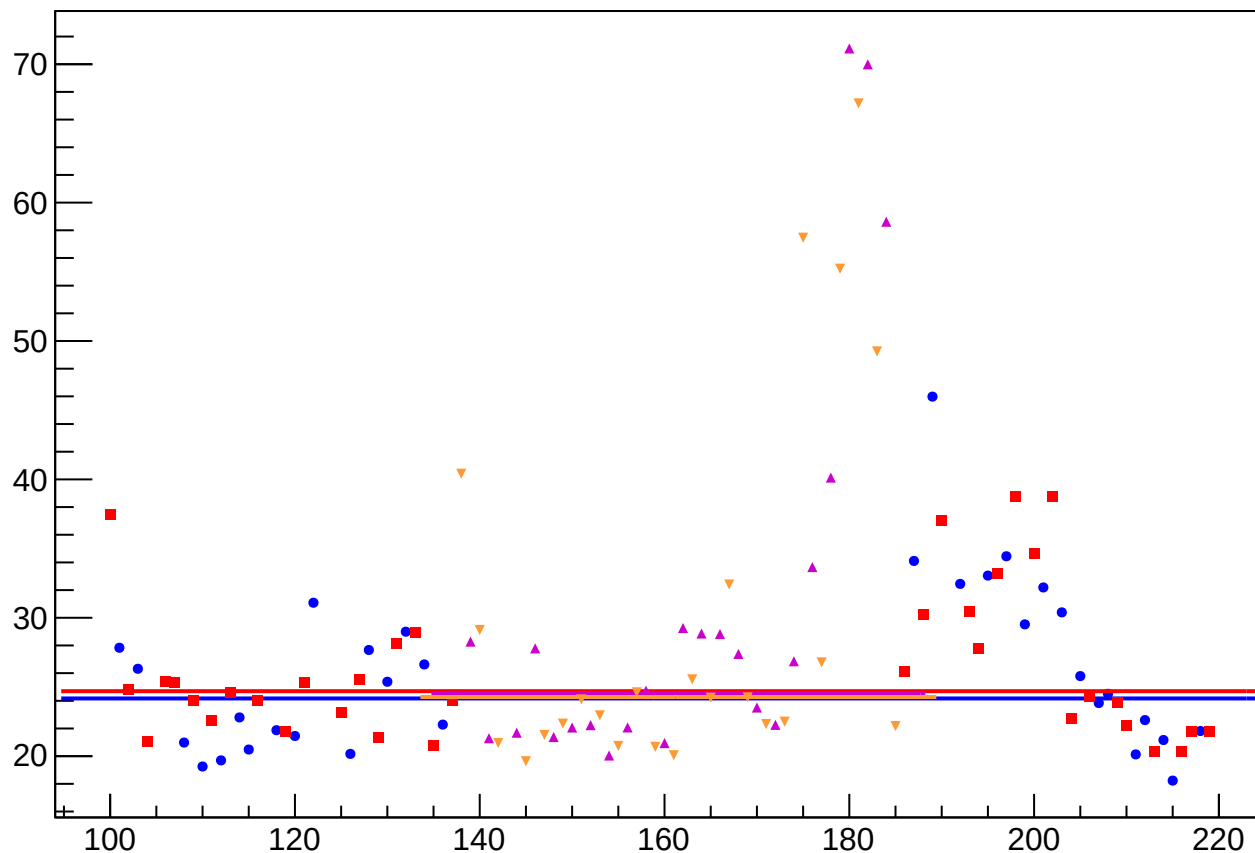
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

+ sign -0.002 ± 0.004 χ^2/NDF : 38.1/55

All: -0.002 ± 0.003 χ^2/NDF : 103.4/113

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

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 24.170+/-0.004 χ^2 /NDF: 1363428.4/31

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

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

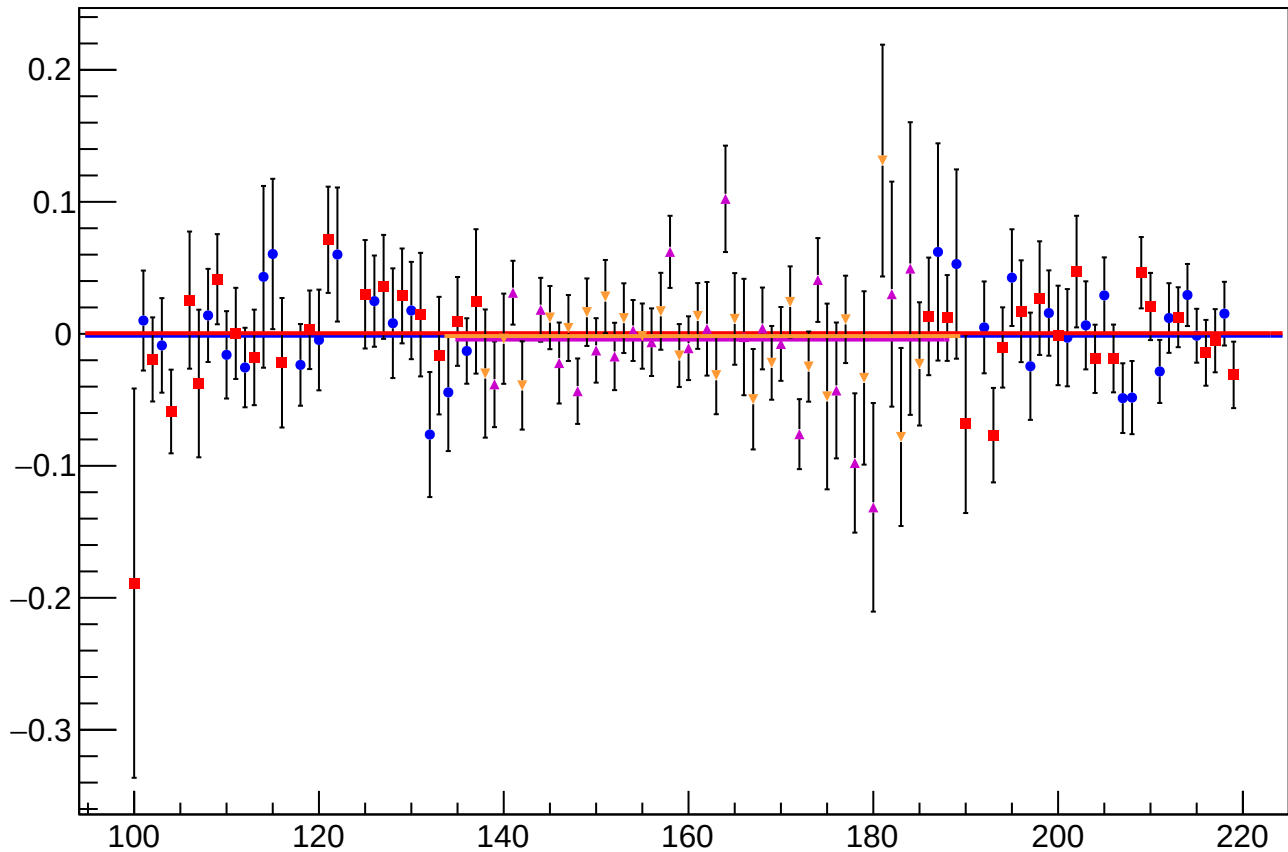
Left In: 24.565+/-0.005 χ^2 /NDF:2132914.4/22

+ sign 24.218+/-0.003 χ^2 /NDF: 3674402.0/55

All: 24.428+/-0.002 χ^2 /NDF: 7059289.1/113

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

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.006 χ^2/NDF : 23.5/31

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

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

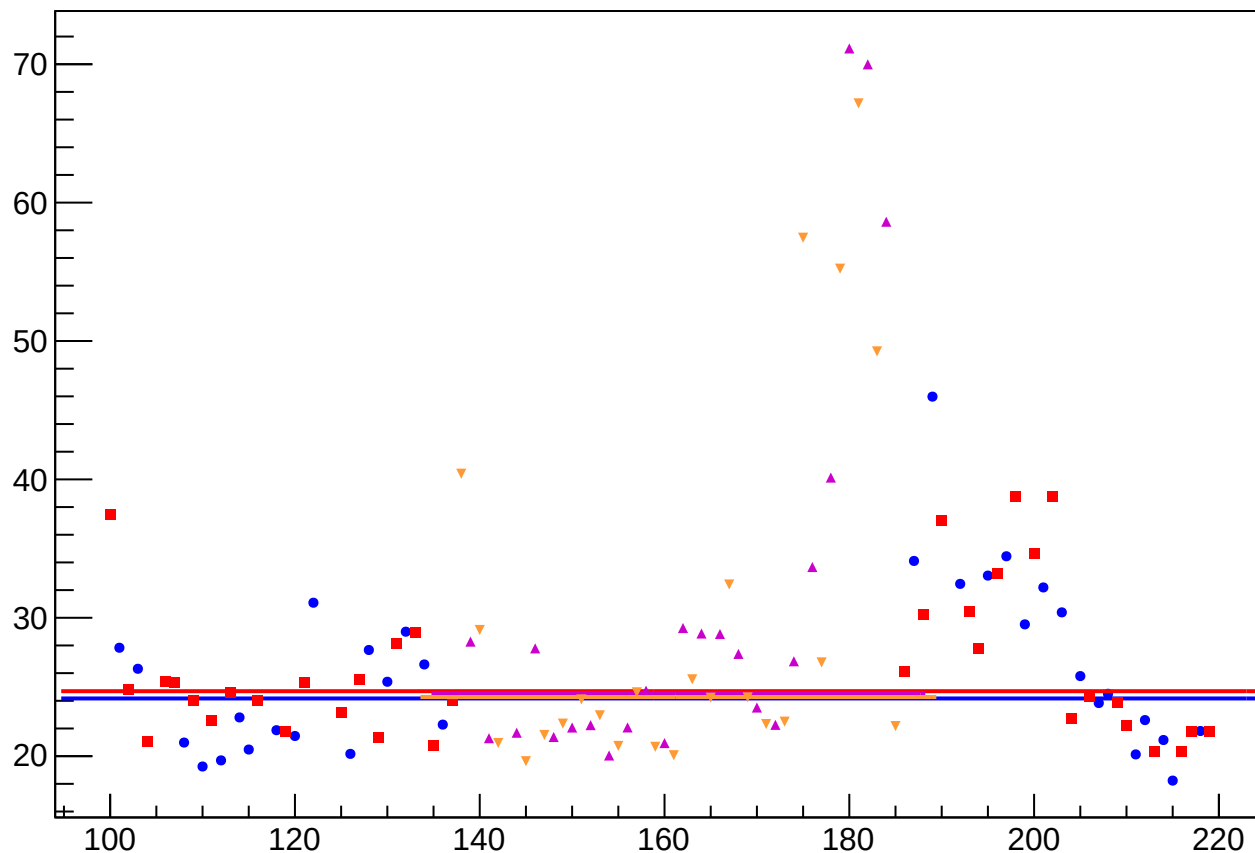
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

+ sign -0.002 ± 0.004 χ^2/NDF : 38.1/55

All: -0.002 ± 0.003 χ^2/NDF : 103.4/113

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

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.170 ± 0.004 $\chi^2/\text{NDF}: 1363428.4/31$

Left Out: 24.275 ± 0.004 $\chi^2/\text{NDF}: 2310679.0/23$

Right Out: 24.696 ± 0.004 $\chi^2/\text{NDF}: 1241869.4/34$

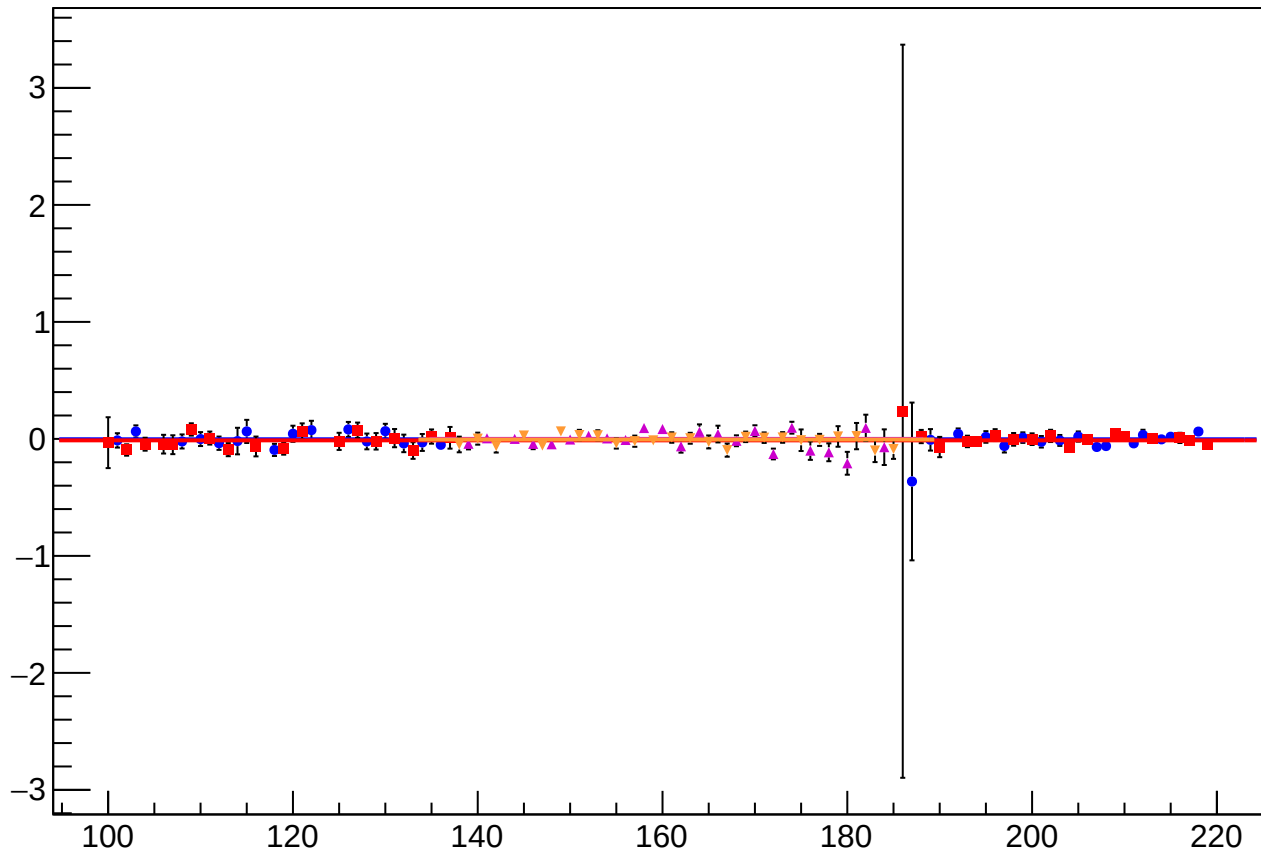
Left In: 24.565 ± 0.005 $\chi^2/\text{NDF}: 2132914.4/22$

+ sign 24.218 ± 0.003 $\chi^2/\text{NDF}: 3674402.0/55$

All: 24.428 ± 0.002 $\chi^2/\text{NDF}: 7059289.1/113$

- sign 24.637 ± 0.003 $\chi^2/\text{NDF}: 3375249.9/57$

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.003 ± 0.009 χ^2/NDF : 23.5/31

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

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

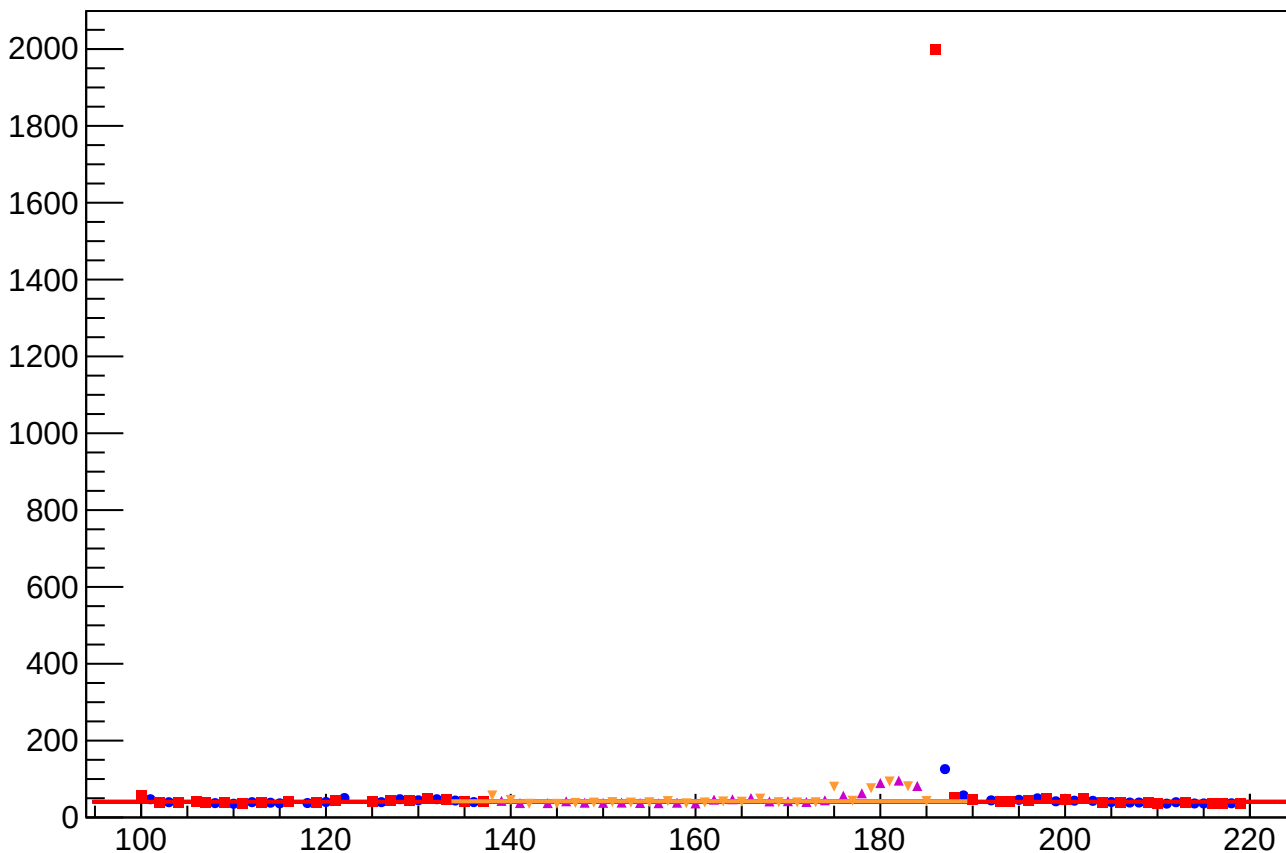
Left In: -0.000 ± 0.010 χ^2/NDF : 37.9/22

+ sign -0.004 ± 0.007 χ^2/NDF : 37.4/55

All: -0.006 ± 0.005 χ^2/NDF : 100.3/113

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

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 40.714+/-0.007 χ^2/NDF : 440999.7/31

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

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

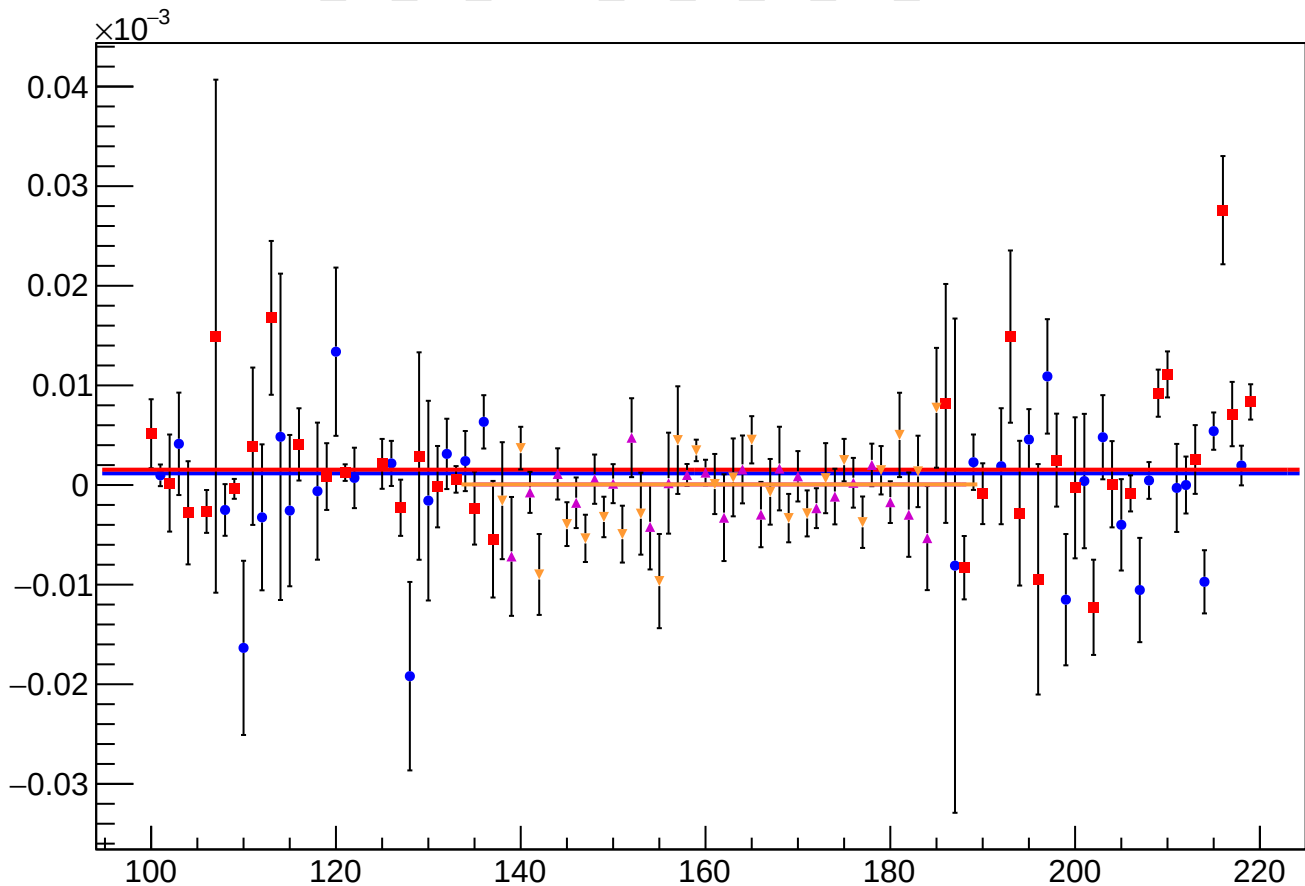
Left In: 42.078+/-0.007 χ^2/NDF : 1543505.8/22

+ sign 41.329+/-0.005 χ^2/NDF : 2176344.8/55

All: 41.366+/-0.003 χ^2/NDF : 4935253.3/113

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

asym_us_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 51.0/31

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

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 112.4/34

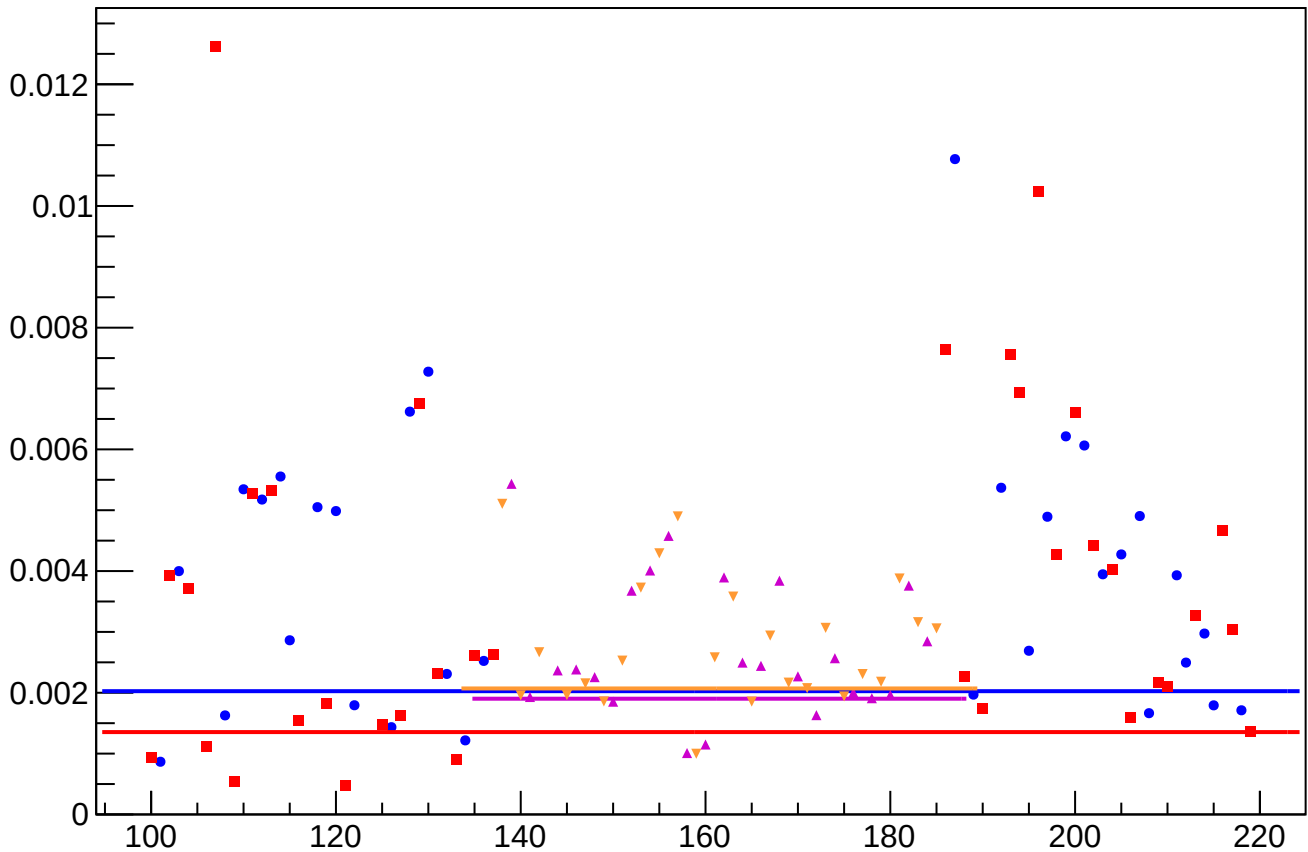
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 104.8/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 235.8/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 130.6/57

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 10708586.1/31

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

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

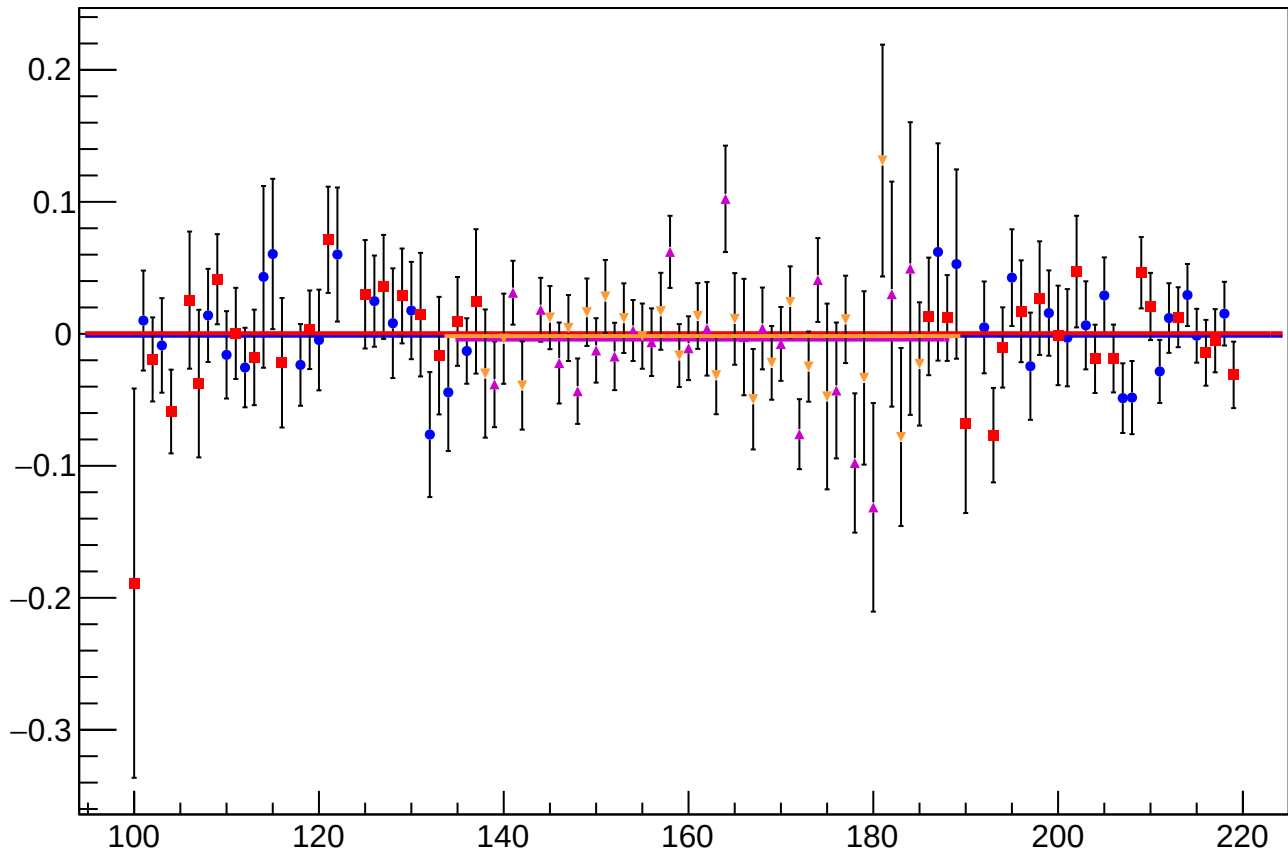
Left In: 0.002+/-0.000 χ^2/NDF : 5935945.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 15978733.2/55

All: 0.002+/-0.000 χ^2/NDF : 42379447.1/113

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

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.006 χ^2/NDF : 23.5/31

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

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

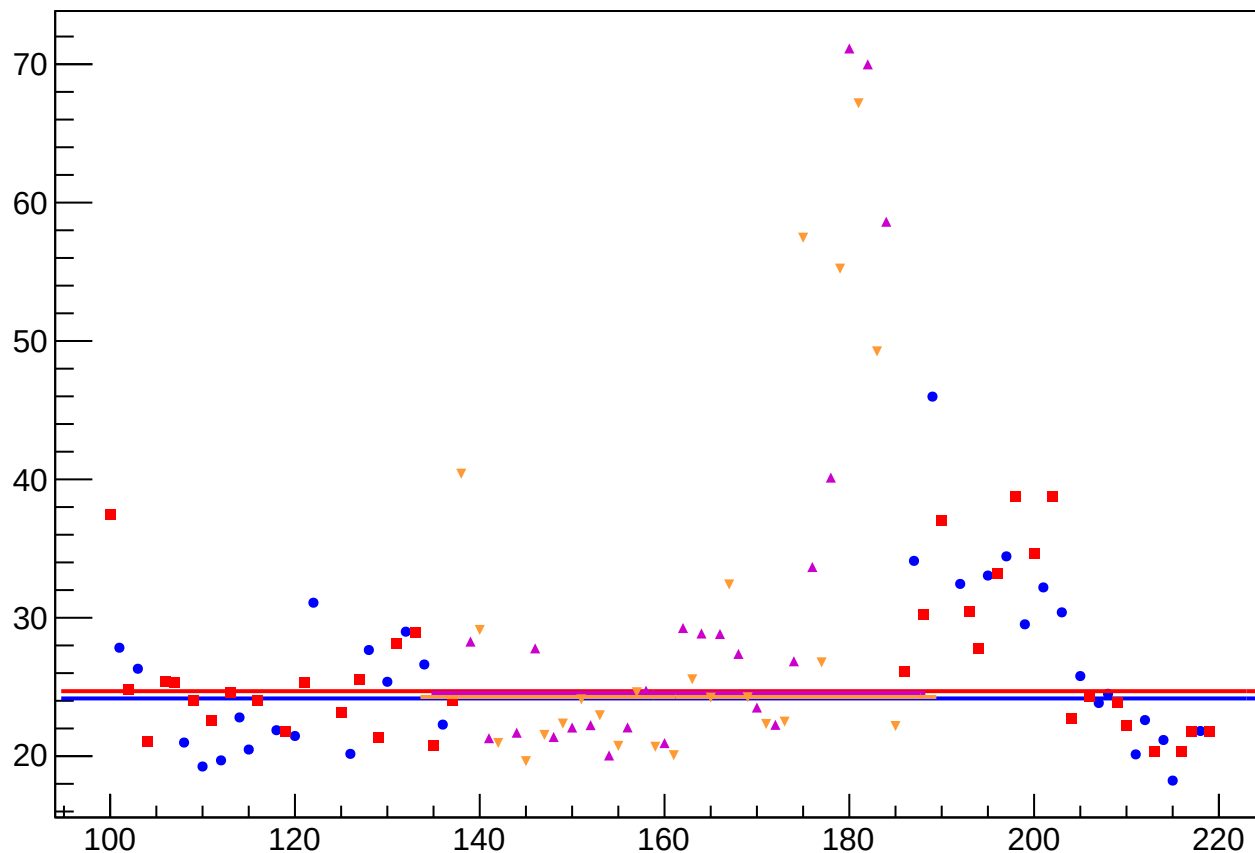
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

+ sign -0.002 ± 0.004 χ^2/NDF : 38.1/55

All: -0.002 ± 0.003 χ^2/NDF : 103.4/113

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

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.170 ± 0.004 $\chi^2/\text{NDF}: 1363401.6/31$

Left Out: 24.275 ± 0.004 $\chi^2/\text{NDF}: 2310684.7/23$

Right Out: 24.696 ± 0.004 $\chi^2/\text{NDF}: 1241856.2/34$

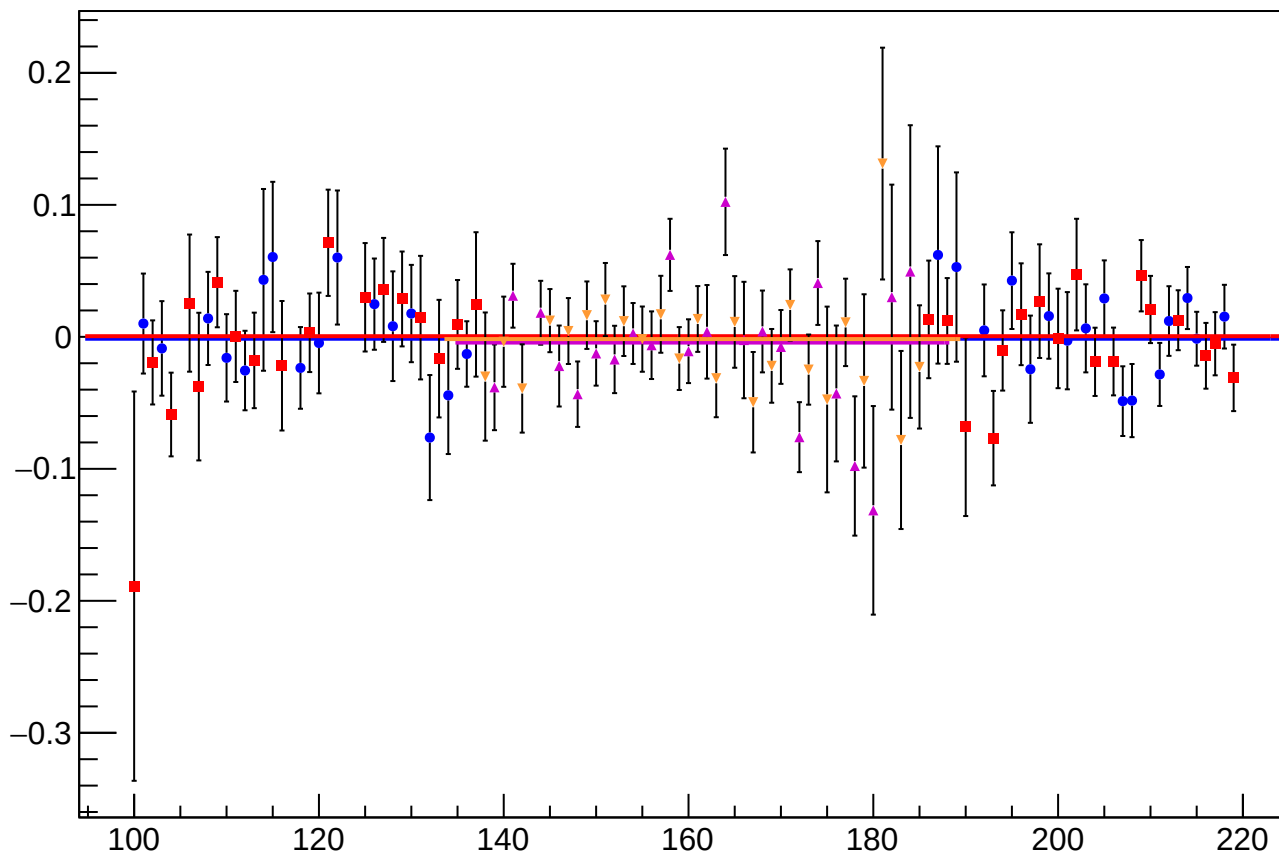
Left In: 24.565 ± 0.005 $\chi^2/\text{NDF}: 2132779.0/22$

+ sign 24.218 ± 0.003 $\chi^2/\text{NDF}: 3674382.5/55$

All: 24.428 ± 0.002 $\chi^2/\text{NDF}: 7059132.8/113$

- sign 24.637 ± 0.003 $\chi^2/\text{NDF}: 3375099.7/57$

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.006 χ^2/NDF : 23.5/31

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

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

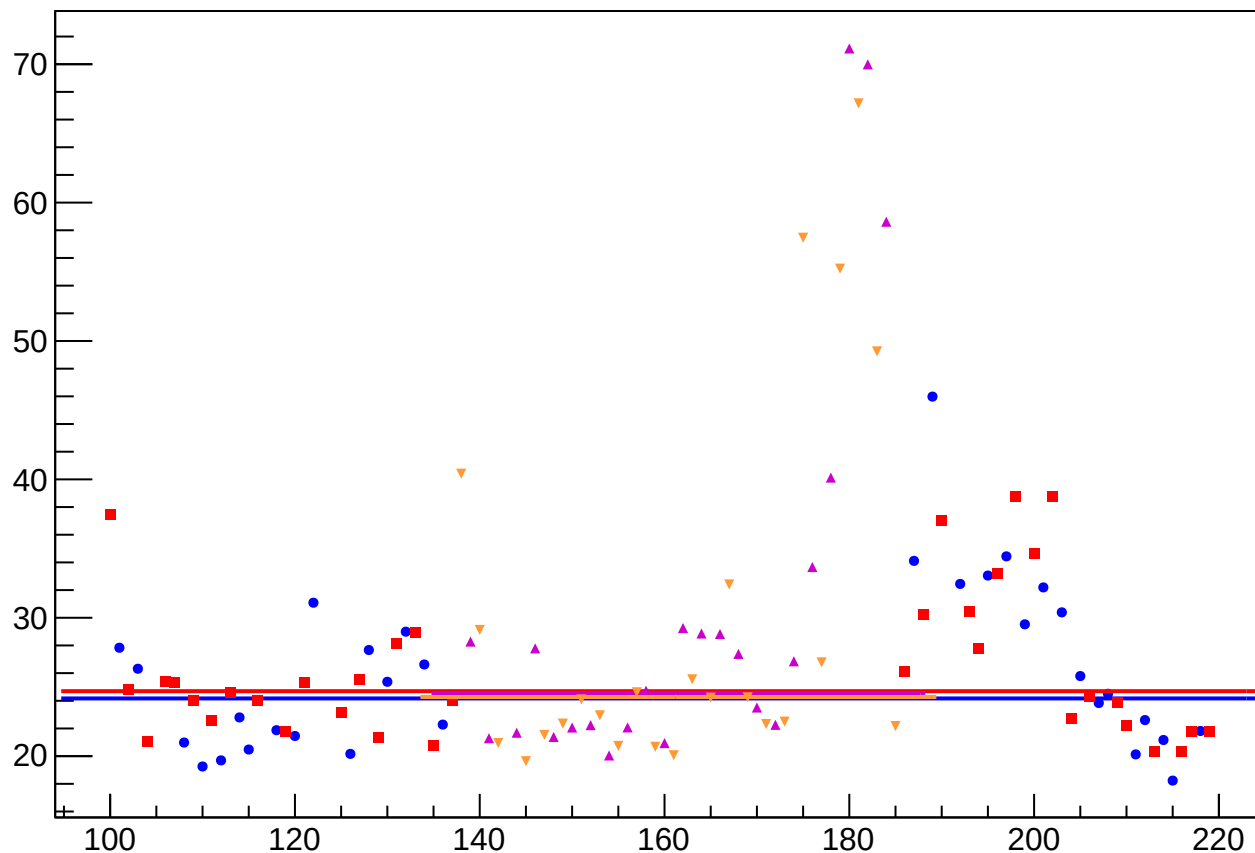
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

+ sign -0.002 ± 0.004 χ^2/NDF : 38.1/55

All: -0.002 ± 0.003 χ^2/NDF : 103.4/113

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

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.170 ± 0.004 $\chi^2/\text{NDF}: 1363401.6/31$

Left Out: 24.275 ± 0.004 $\chi^2/\text{NDF}: 2310684.7/23$

Right Out: 24.696 ± 0.004 $\chi^2/\text{NDF}: 1241856.2/34$

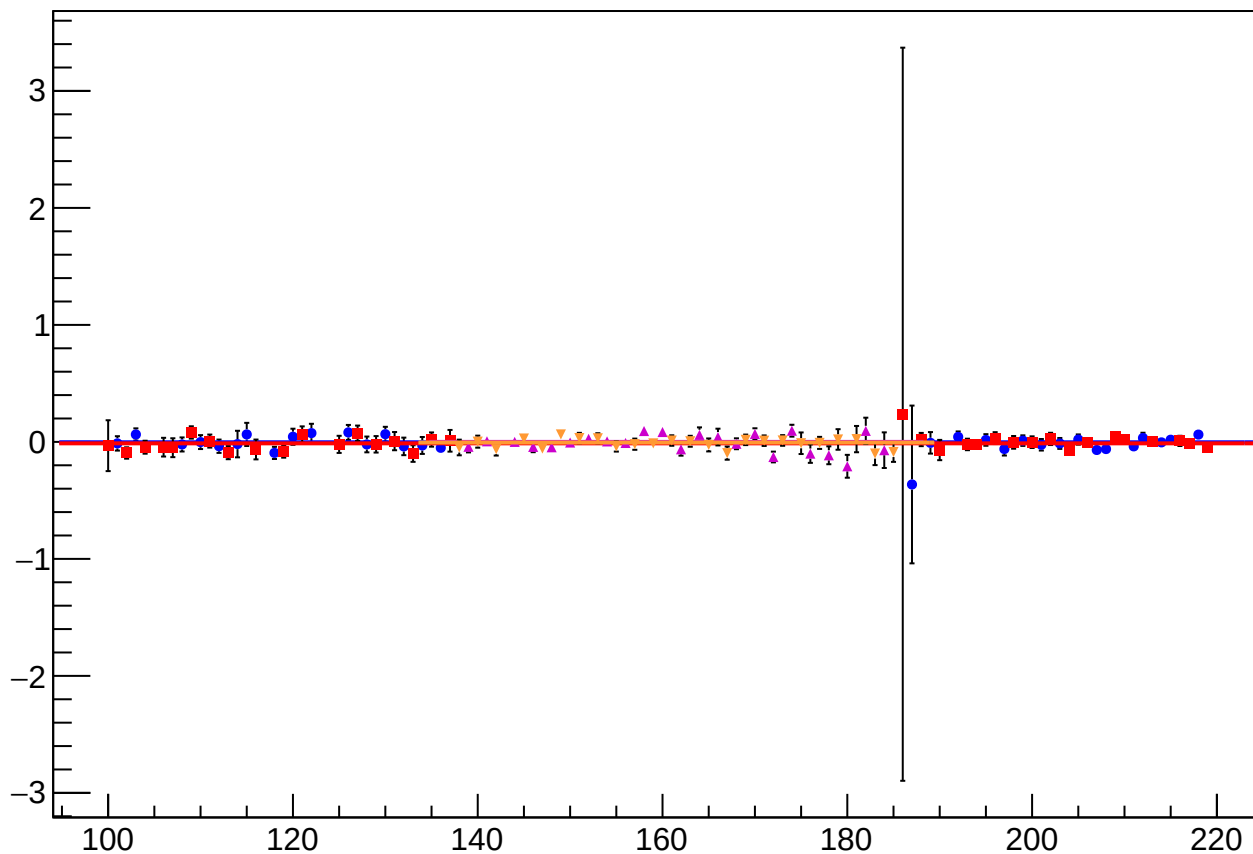
Left In: 24.565 ± 0.005 $\chi^2/\text{NDF}: 2132779.0/22$

+ sign 24.218 ± 0.003 $\chi^2/\text{NDF}: 3674382.5/55$

All: 24.428 ± 0.002 $\chi^2/\text{NDF}: 7059132.8/113$

- sign 24.637 ± 0.003 $\chi^2/\text{NDF}: 3375099.7/57$

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.003 ± 0.009 χ^2/NDF : 23.5/31

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

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

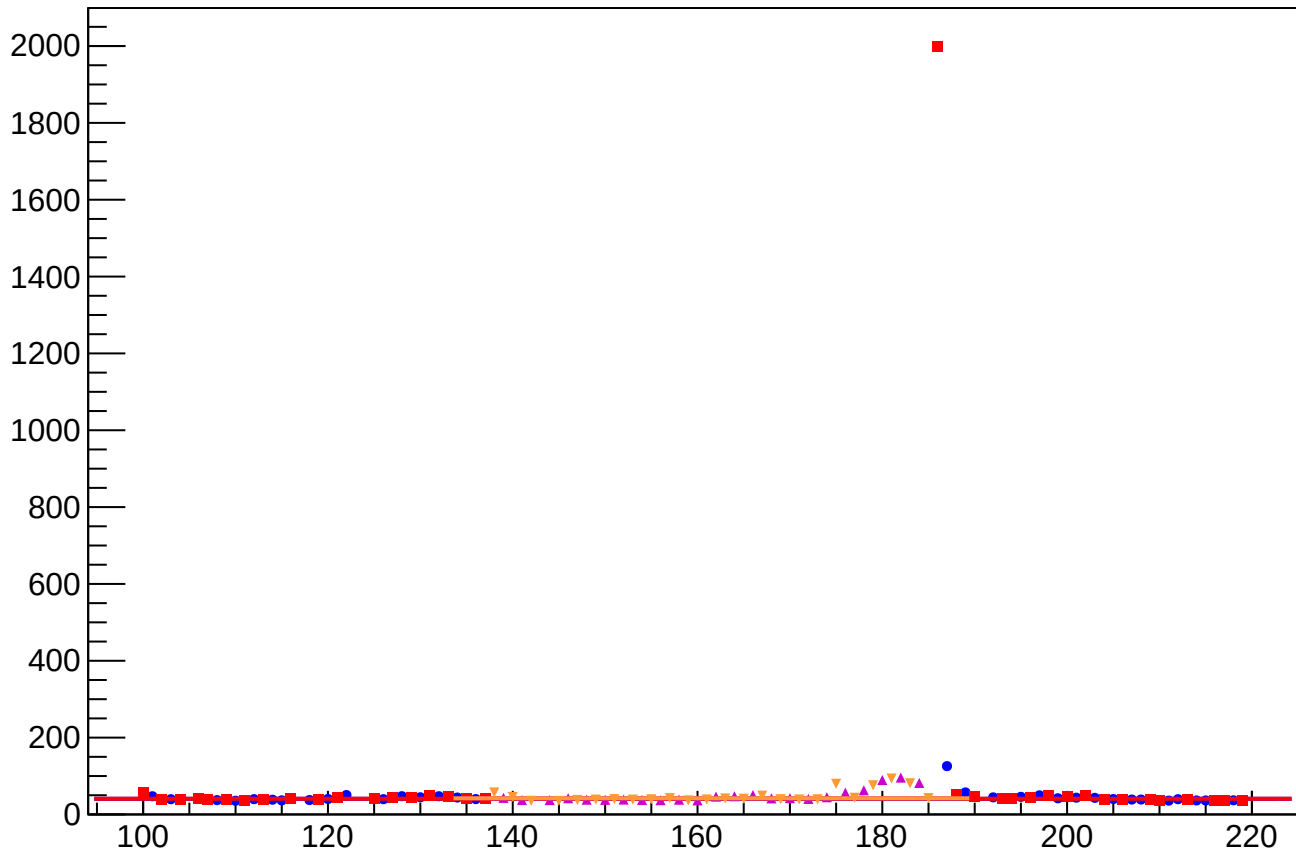
Left In: -0.000 ± 0.010 χ^2/NDF : 37.9/22

+ sign -0.004 ± 0.007 χ^2/NDF : 37.4/55

All: -0.006 ± 0.005 χ^2/NDF : 100.3/113

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

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 40.714+/-0.007 χ^2/NDF : 440941.5/31

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

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

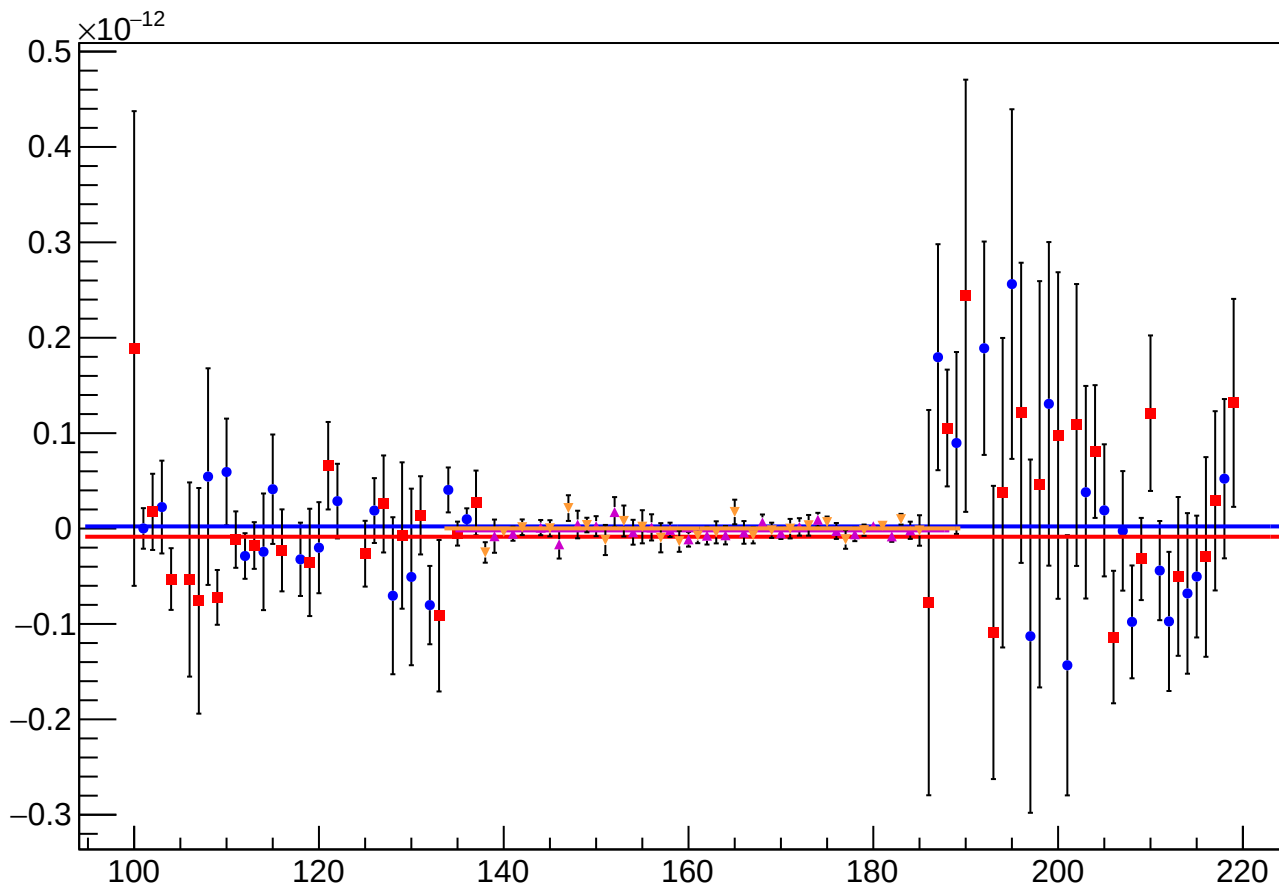
Left In: 42.078+/-0.007 χ^2/NDF : 1543481.3/22

+ sign 41.329+/-0.005 χ^2/NDF : 2176278.2/55

All: 41.366+/-0.003 χ^2/NDF : 4935181.9/113

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

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 31.0/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 30.7/34

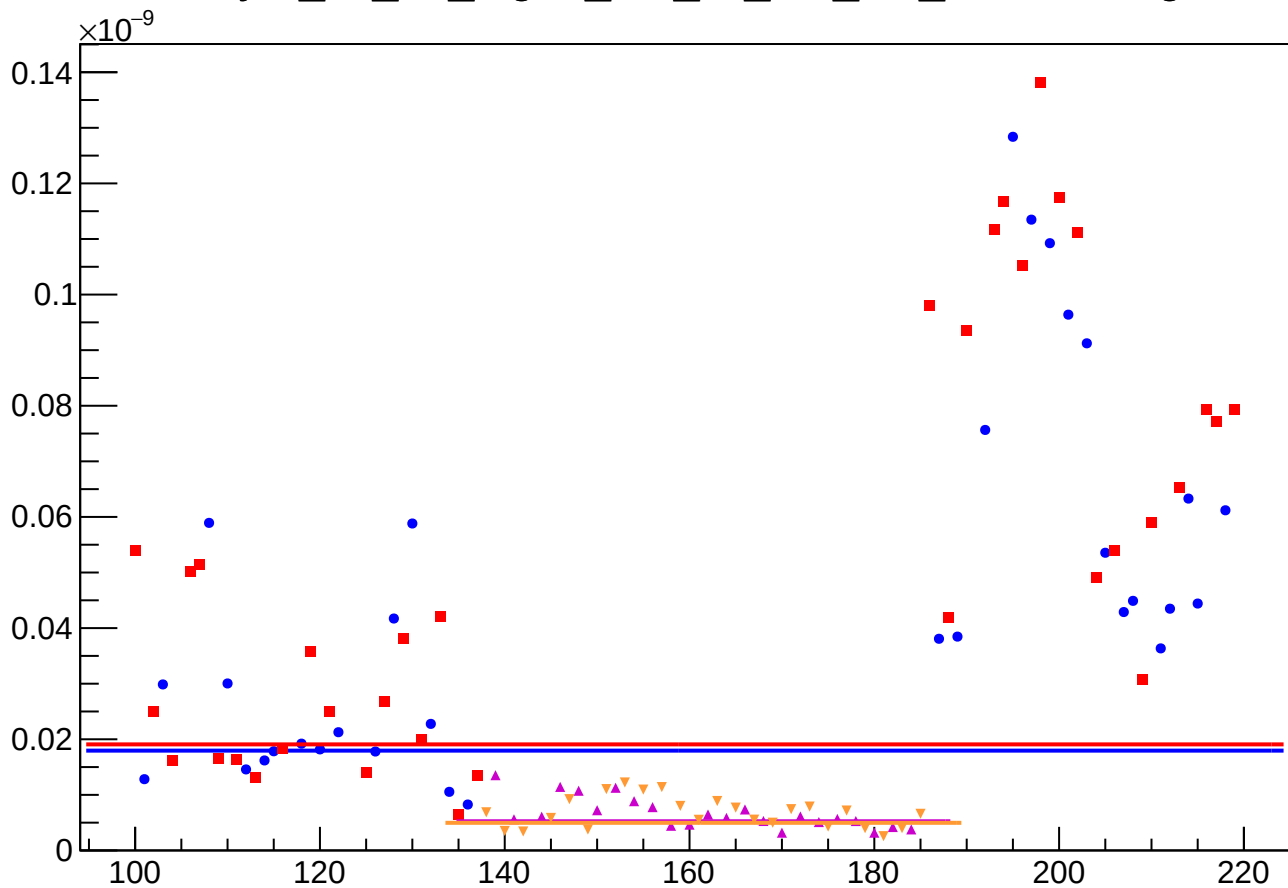
Left In: -0.000 ± 0.000 χ^2/NDF : 11.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 52.3/55

All: -0.000 ± 0.000 χ^2/NDF : 96.7/113

- sign -0.000 ± 0.000 χ^2/NDF : 43.2/57

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 10145915.0/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3536964.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 12320012.9/34

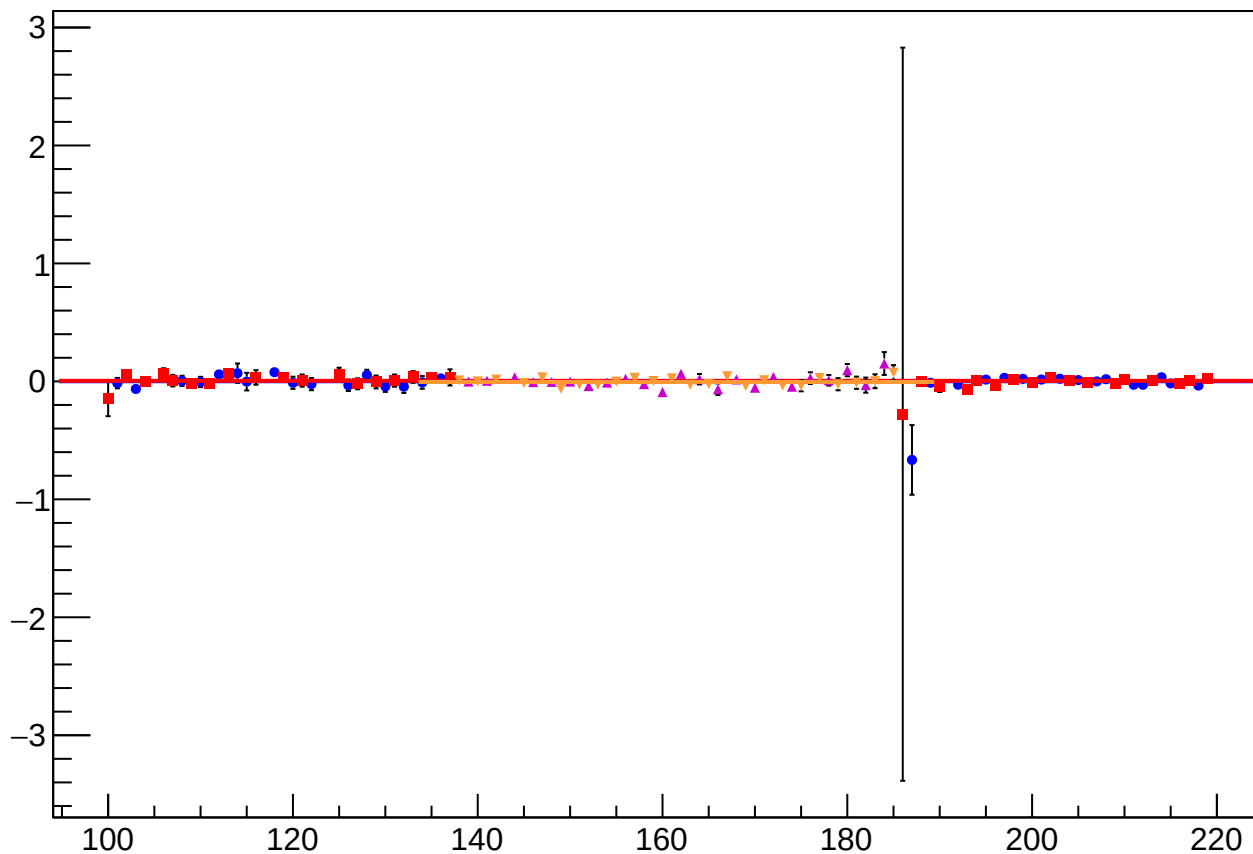
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2618852.5/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 20283954.7/55

All: 0.000 $\pm$ 0.000 χ^2/NDF : 41978366.8/113

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 21661283.1/57

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.006 χ^2/NDF : 30.5/31

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

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

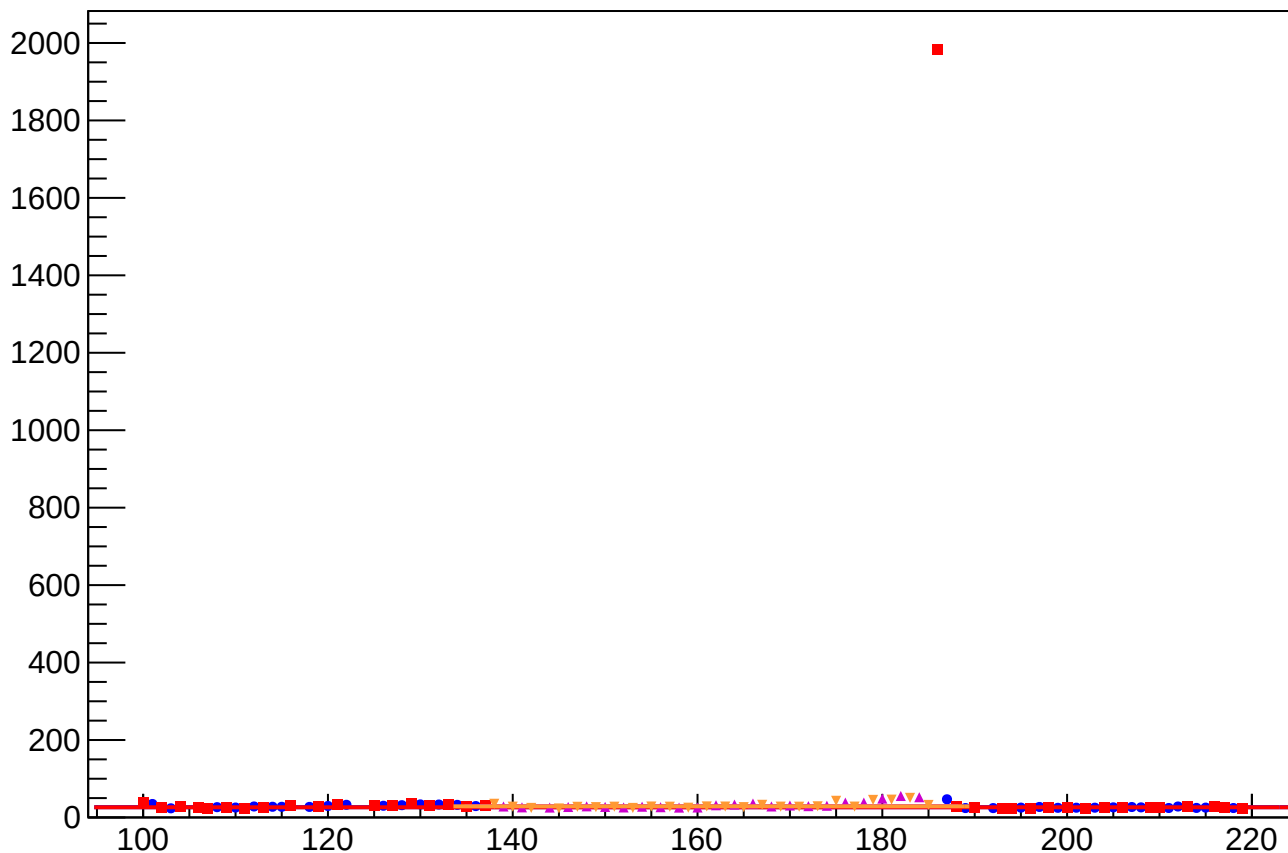
Left In: -0.004 ± 0.007 χ^2/NDF : 31.2/22

+ sign -0.002 ± 0.005 χ^2/NDF : 47.7/55

All: -0.000 ± 0.003 χ^2/NDF : 104.4/113

- sign 0.001 ± 0.005 χ^2/NDF : 56.5/57

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 26.571 $\pm$ 0.004 χ^2 /NDF: 381687.7/31

Left Out: 28.781 $\pm$ 0.005 χ^2 /NDF: 1170605.8/23

Right Out: 26.238 $\pm$ 0.004 χ^2 /NDF: 1163783.3/34

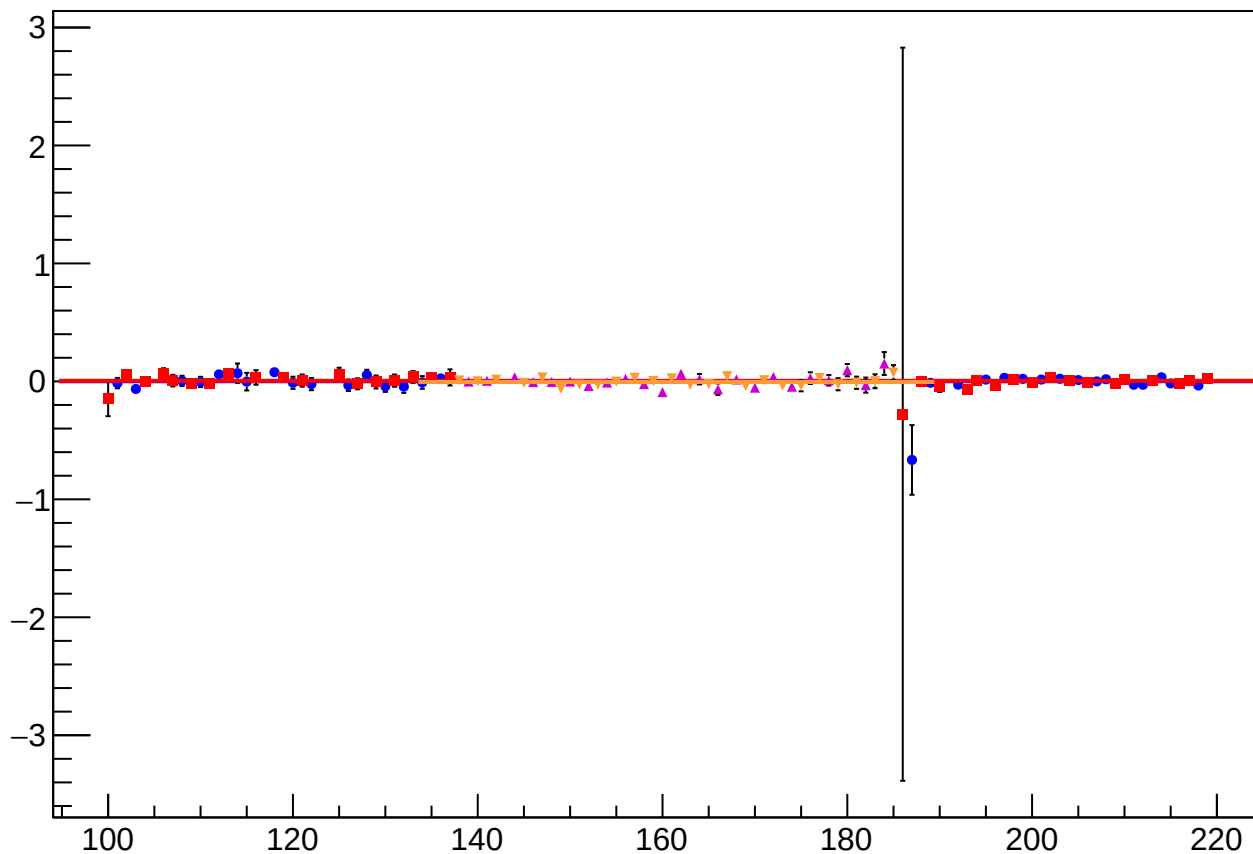
Left In: 29.255 $\pm$ 0.005 χ^2 /NDF: 1140337.0/22

+ sign 27.531 $\pm$ 0.003 χ^2 /NDF: 1663213.7/55

All: 27.508 $\pm$ 0.002 χ^2 /NDF: 4174439.2/113

- sign 27.486 $\pm$ 0.003 χ^2 /NDF: 2511131.7/57

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.006 χ^2/NDF : 30.5/31

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

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

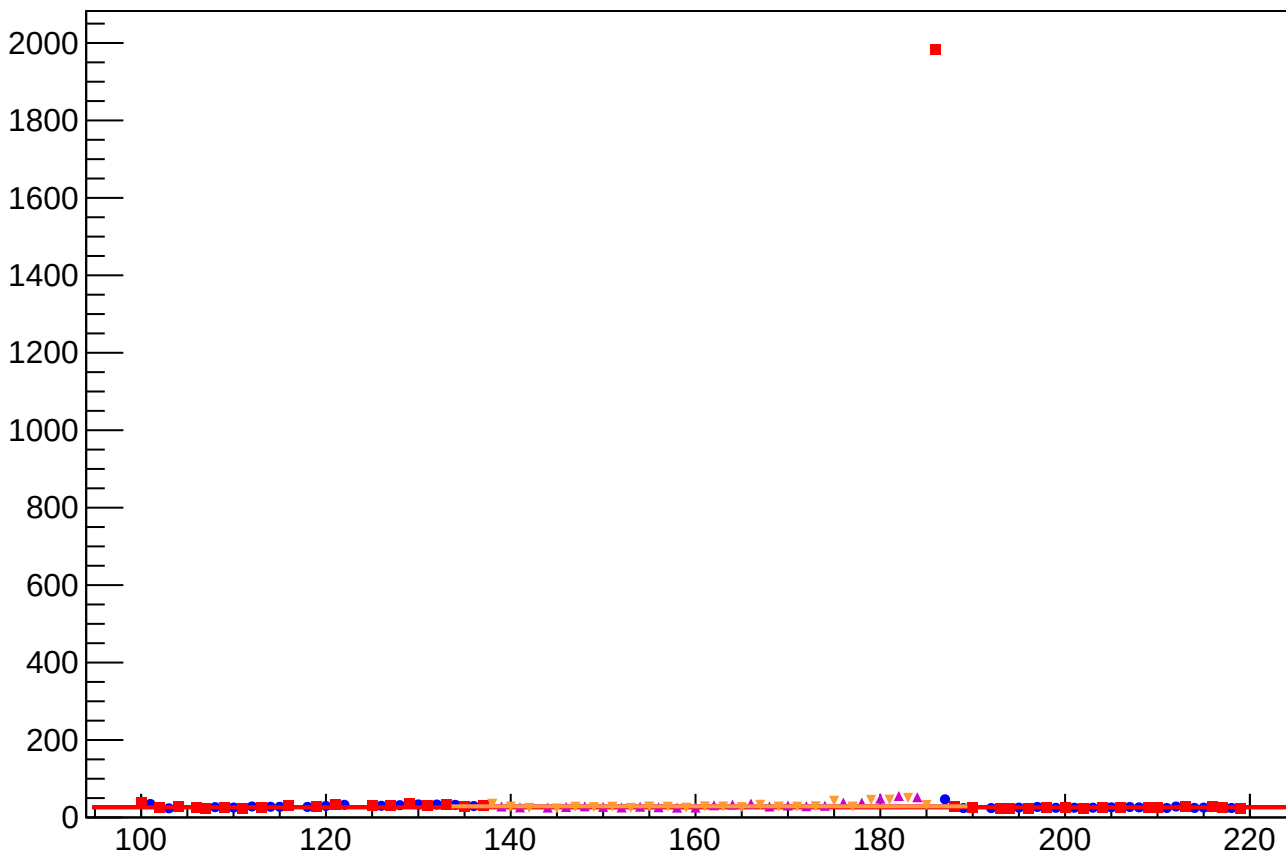
Left In: -0.004 ± 0.007 χ^2/NDF : 31.2/22

+ sign -0.002 ± 0.005 χ^2/NDF : 47.7/55

All: -0.000 ± 0.003 χ^2/NDF : 104.4/113

- sign 0.001 ± 0.005 χ^2/NDF : 56.5/57

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 26.571+/-0.004 χ^2/NDF : 381687.7/31

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

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

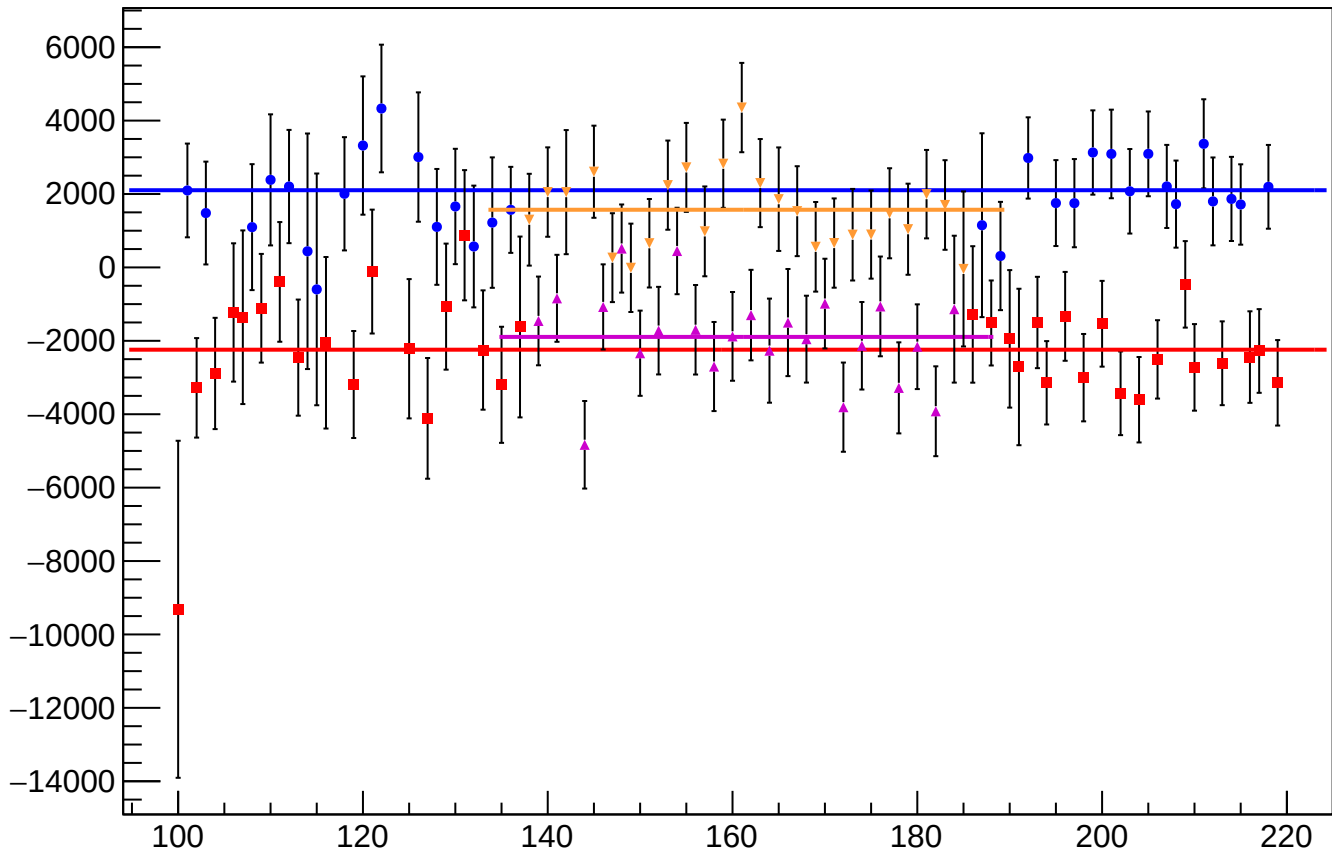
Left In: 29.255+/-0.005 χ^2/NDF : 1140337.0/22

+ sign 27.531+/-0.003 χ^2/NDF : 1663213.7/55

All: 27.508+/-0.002 χ^2/NDF : 4174439.2/113

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

reg_asym_usl_mean vs Slug



Right In: 2103.345 $\pm$ 242.548 χ^2 /NDF: 11.8/31

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

Right Out: -2241.834 $\pm$ 237.072 χ^2 /NDF: 21.5/35

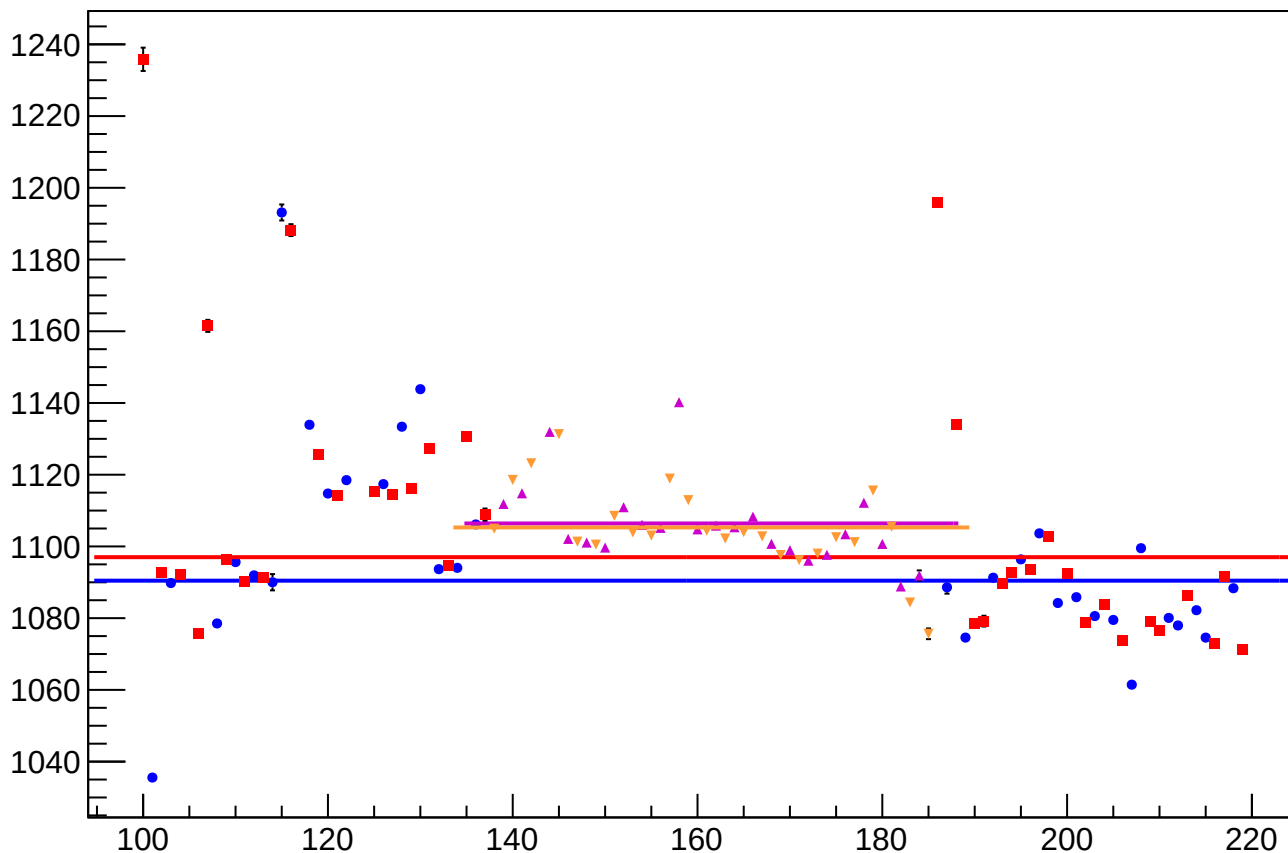
Left In: -1893.347 $\pm$ 258.339 χ^2 /NDF: 24.1/22

+ sign 1852.107 $\pm$ 176.245 χ^2 /NDF: 29.4/55

All: -132.860 $\pm$ 124.064 χ^2 /NDF: 327.4/114

- sign -2082.522 $\pm$ 174.671 χ^2 /NDF: 46.6/58

reg_asym_usl_rms vs Slug



Right In: 1090.454+/-0.172 χ^2/NDF : 16260.4/31

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

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

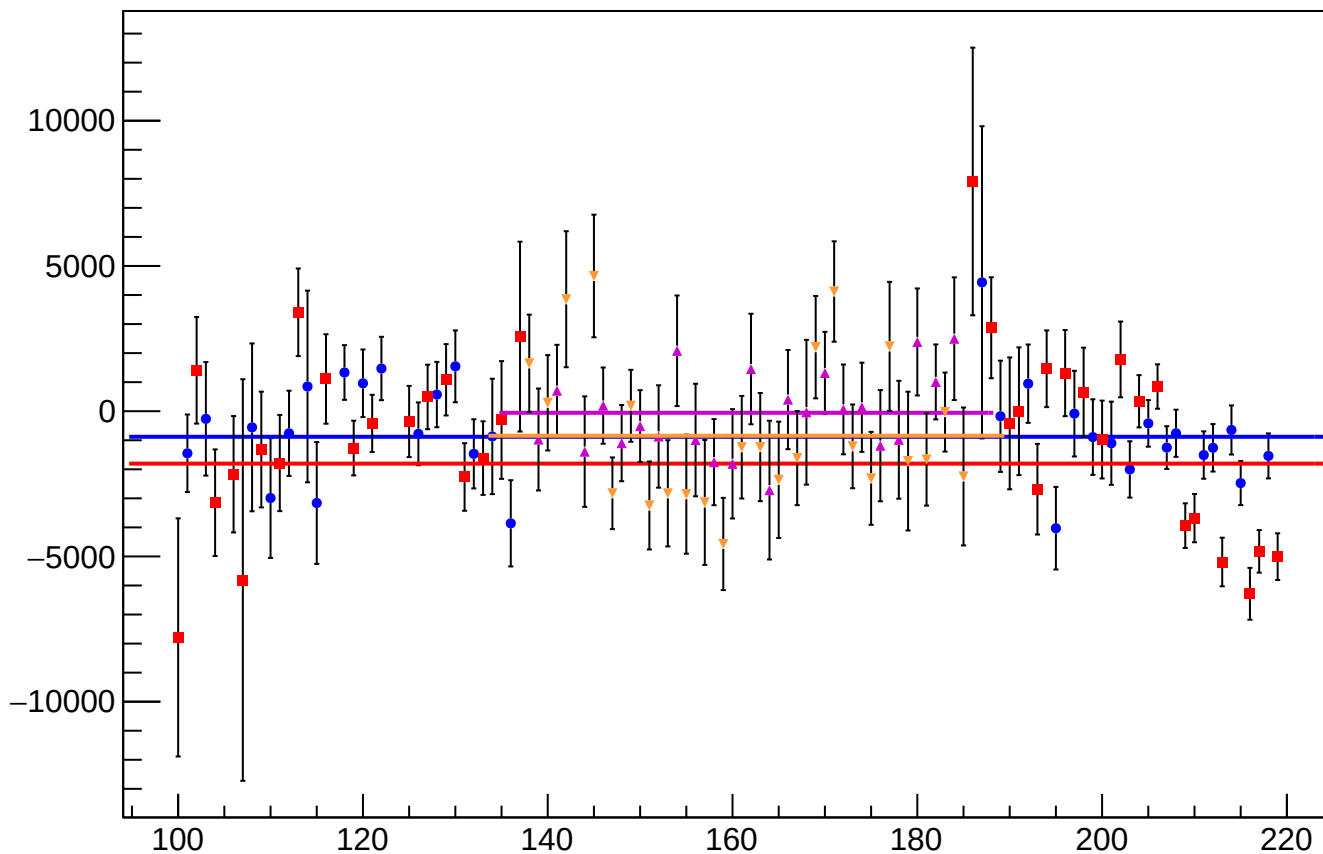
Left In: 1106.405+/-0.183 χ^2/NDF : 3776.4/22

+ sign 1097.459+/-0.125 χ^2/NDF : 22956.0/55

All: 1099.398+/-0.088 χ^2/NDF : 51510.5/114

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

asym_usl_reg_correction_mean vs Slug



Right In: -880.279 ± 199.730 $\chi^2/\text{NDF}: 41.4/31$

Left Out: -844.649 ± 347.346 $\chi^2/\text{NDF}: 44.2/23$

Right Out: -1804.413 ± 202.557 $\chi^2/\text{NDF}: 176.8/35$

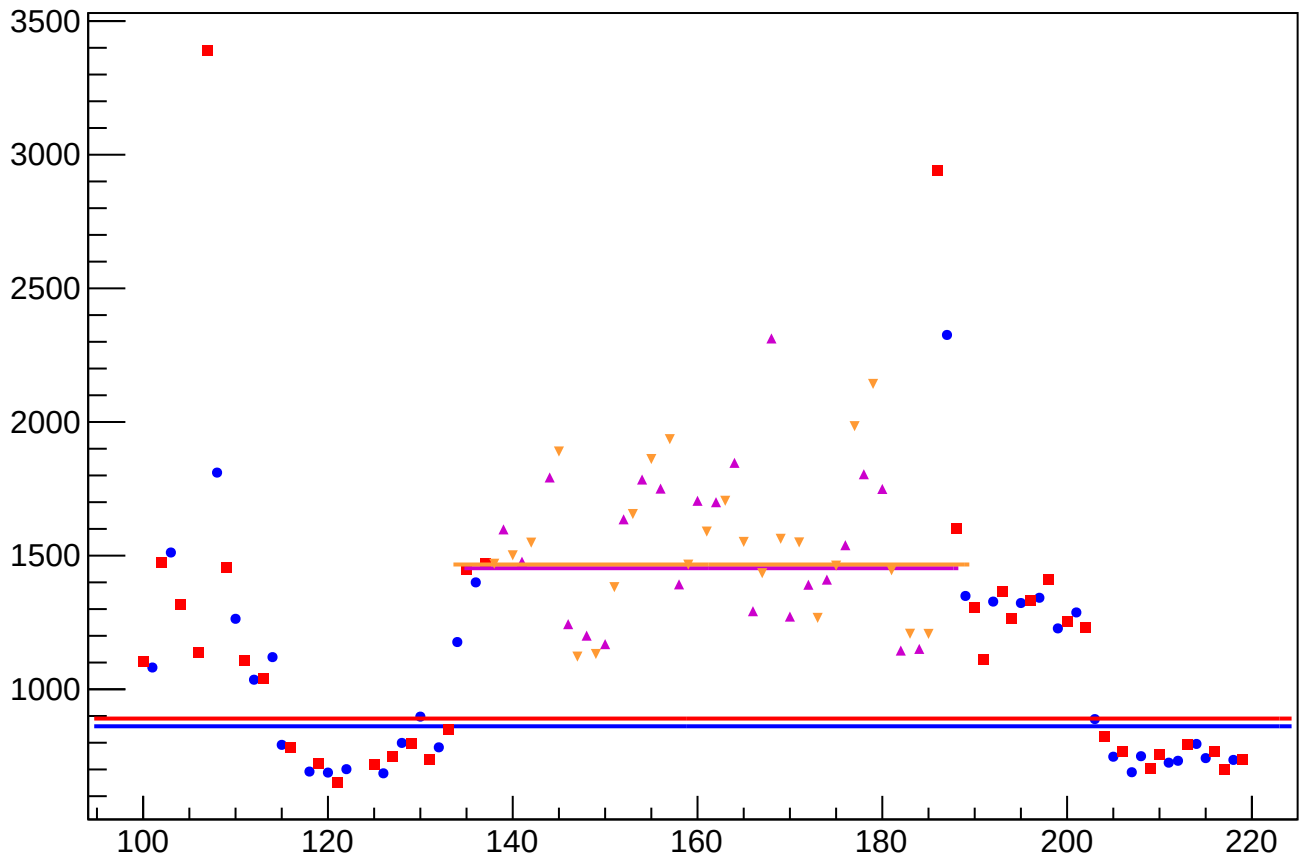
Left In: -54.347 ± 345.962 $\chi^2/\text{NDF}: 13.0/22$

+ sign -871.425 ± 173.146 $\chi^2/\text{NDF}: 85.6/55$

All: -1112.223 ± 123.013 $\chi^2/\text{NDF}: 298.4/114$

- sign -1357.644 ± 174.800 $\chi^2/\text{NDF}: 208.9/58$

asym_usl_reg_correction_rms vs Slug



Right In: 861.528 $\pm$ 0.141 χ^2 /NDF: 2830974.5/31

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

Right Out: 890.427 $\pm$ 0.143 χ^2 /NDF: 3707875.4/35

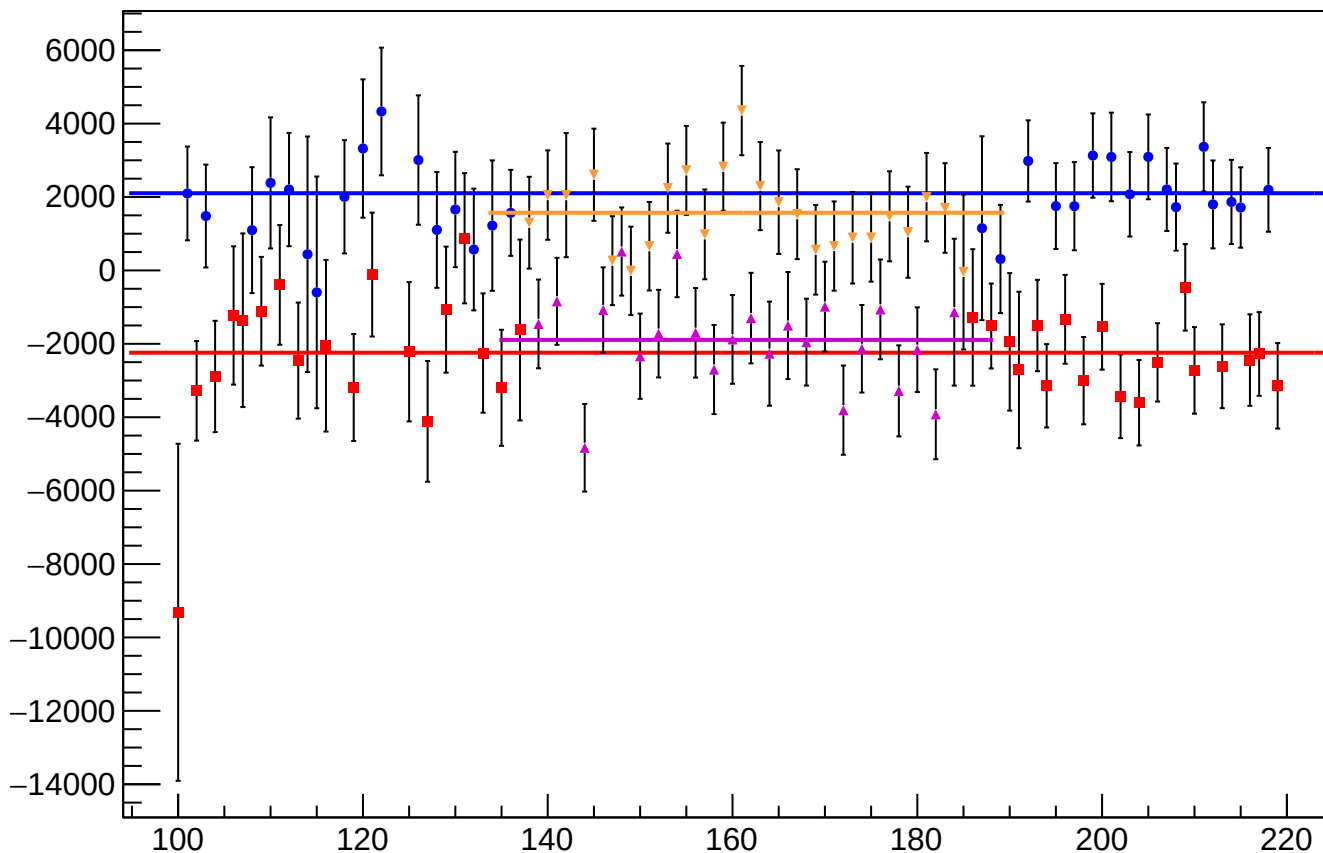
Left In: 1452.983 $\pm$ 0.245 χ^2 /NDF:1129567.2/22

+ sign 1011.940 $\pm$ 0.122 χ^2 /NDF: 8438956.9/55

All: 1022.885 $\pm$ 0.087 χ^2 /NDF: 17230690.8/100

- sign 1034.040 $\pm$ 0.124 χ^2 /NDF: 8775596.4/58

cor_asym_usl_mean vs Slug



Right In: 2103.345 $\pm$ 242.548 χ^2 /NDF: 11.8/31

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

Right Out: -2241.827 $\pm$ 237.072 χ^2 /NDF: 21.5/35

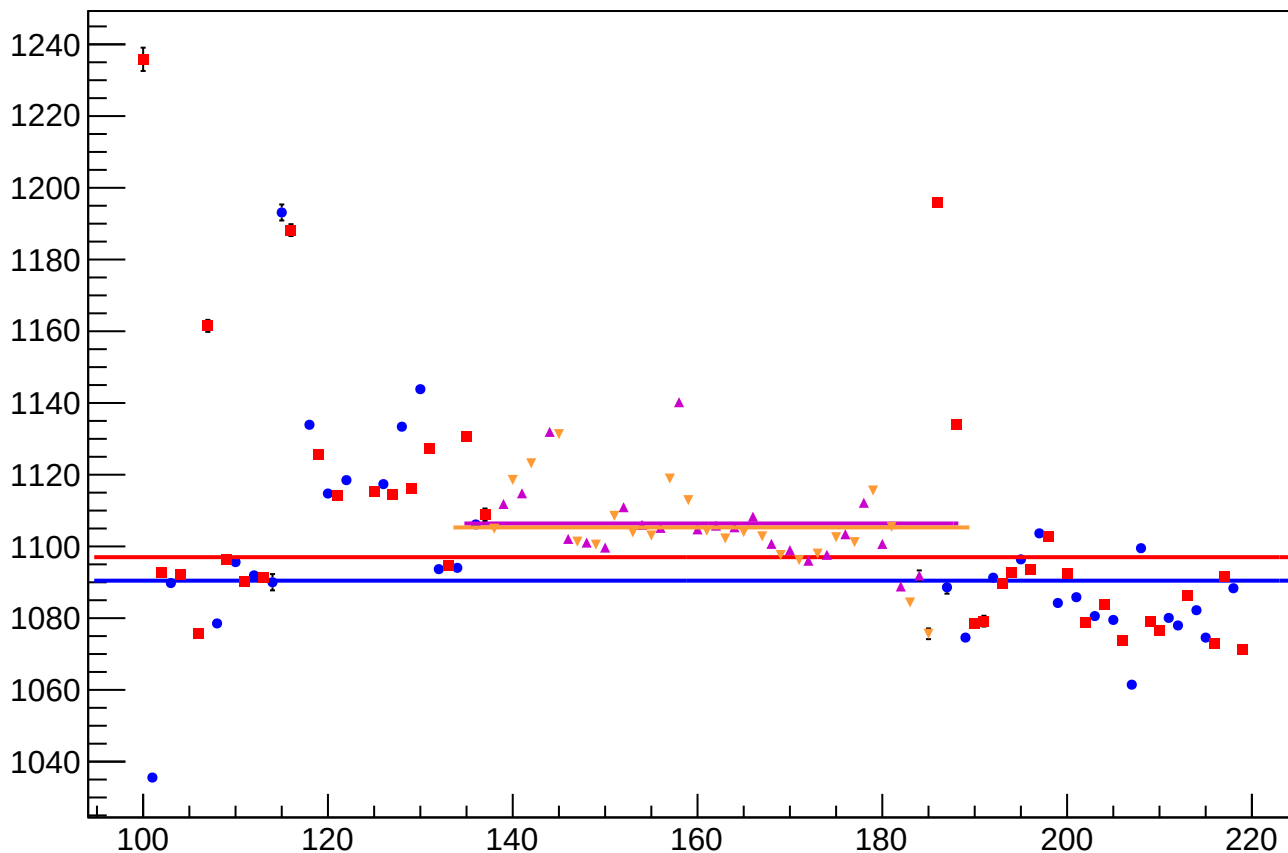
Left In: -1893.347 $\pm$ 258.339 χ^2 /NDF: 24.1/22

+ sign 1852.107 $\pm$ 176.245 χ^2 /NDF: 29.4/55

All: -132.858 $\pm$ 124.064 χ^2 /NDF: 327.4/114

- sign -2082.519 $\pm$ 174.671 χ^2 /NDF: 46.6/58

cor_asym_usl_rms vs Slug



Right In: 1090.454 $\pm$ 0.172 χ^2 /NDF: 16260.4/31

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

Right Out: 1097.005 $\pm$ 0.168 χ^2 /NDF: 22860.8/35

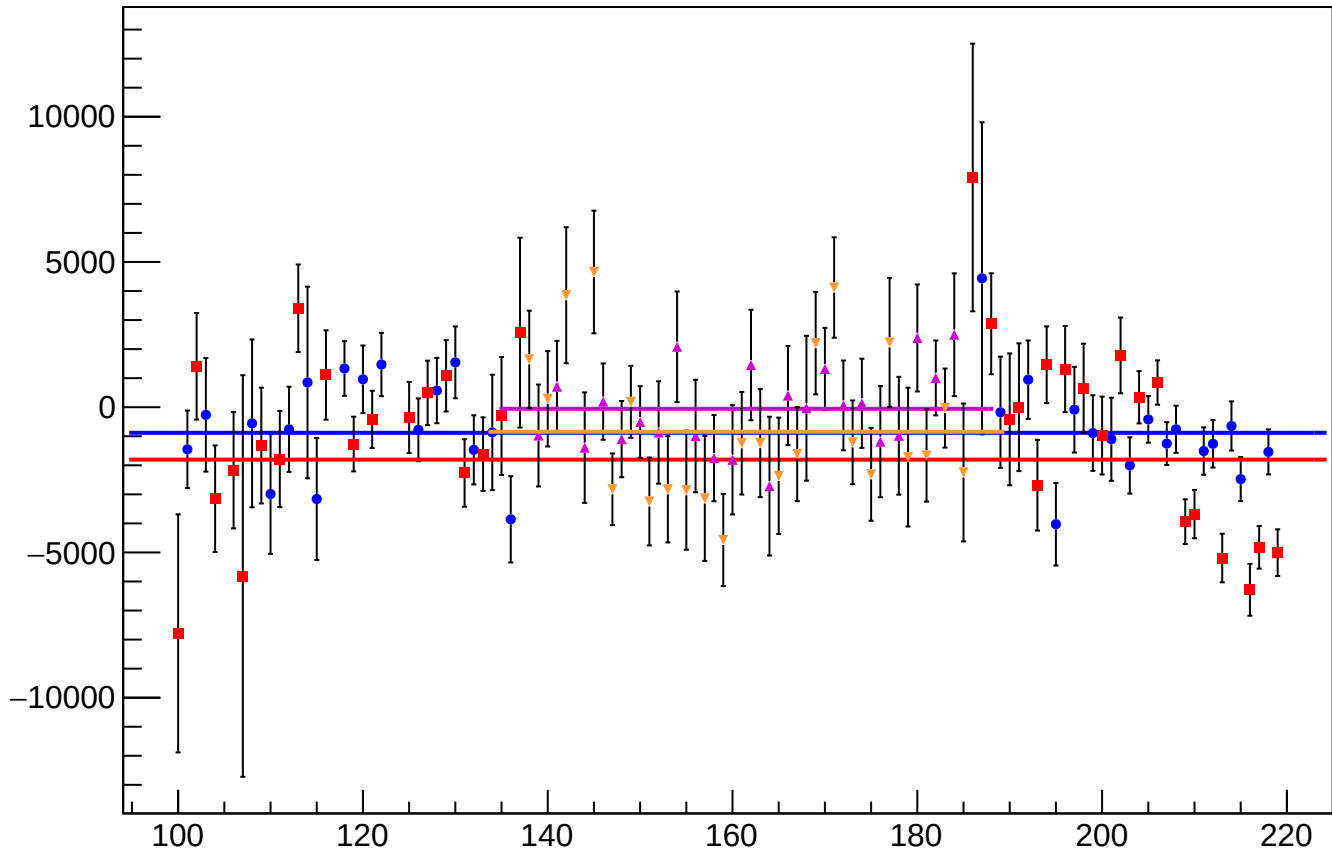
Left In: 1106.405 $\pm$ 0.183 χ^2 /NDF:3776.4/22

+ sign 1097.459 $\pm$ 0.125 χ^2 /NDF: 22956.0/55

All: 1099.398 $\pm$ 0.088 χ^2 /NDF: 51510.5/114

- sign 1101.302 $\pm$ 0.124 χ^2 /NDF: 28074.6/58

asym_usl_cor_correction_mean vs Slug



Right In: -880.279 ± 199.730 $\chi^2/\text{NDF}: 41.4/31$

Left Out: -844.649 ± 347.346 $\chi^2/\text{NDF}: 44.2/23$

Right Out: -1804.412 ± 202.557 $\chi^2/\text{NDF}: 176.8/35$

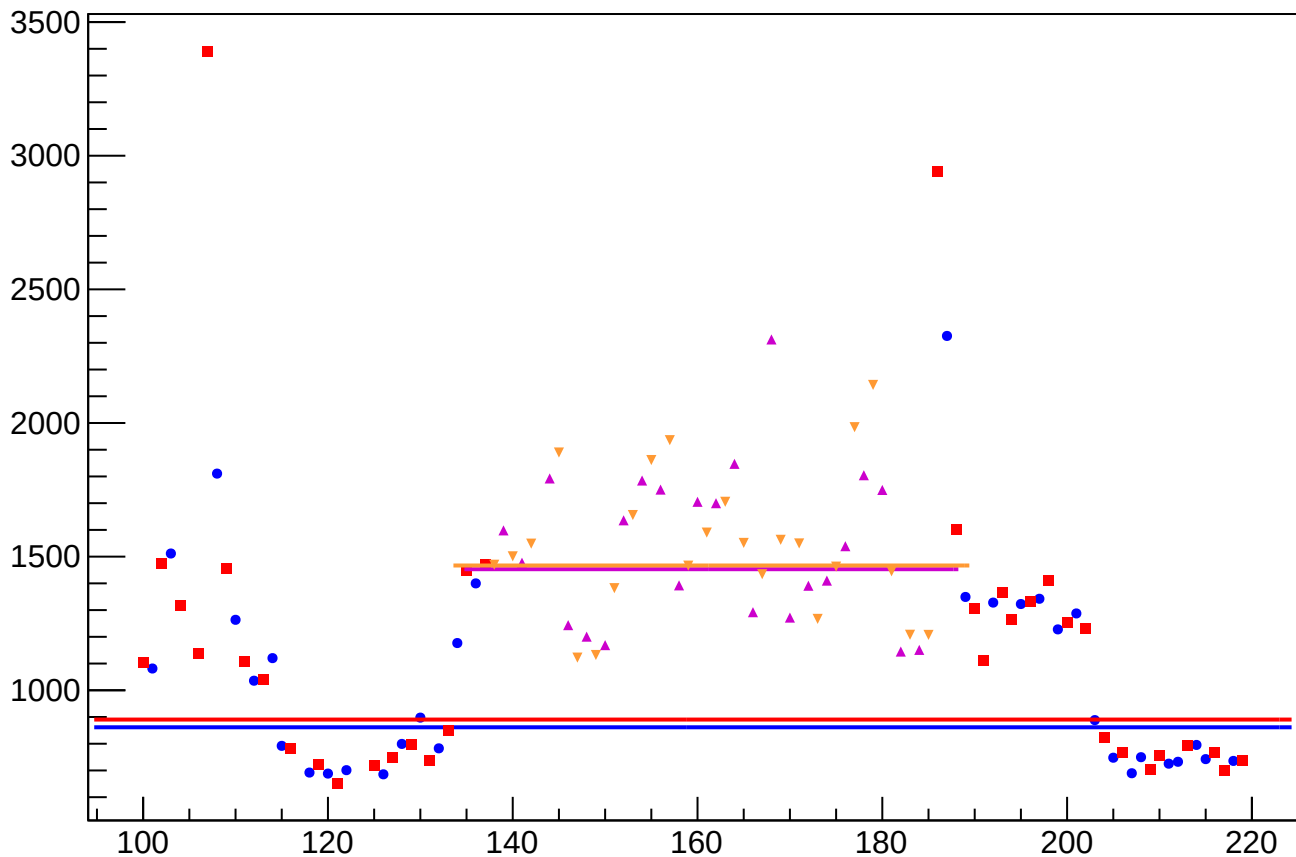
Left In: -54.347 ± 345.962 $\chi^2/\text{NDF}: 13.0/22$

+ sign -871.425 ± 173.146 $\chi^2/\text{NDF}: 85.6/55$

All: -1112.223 ± 123.013 $\chi^2/\text{NDF}: 298.4/114$

- sign -1357.644 ± 174.800 $\chi^2/\text{NDF}: 208.9/58$

asym_usl_cor_correction_rms vs Slug



Right In: 861.528+/-0.141 χ^2/NDF : 2830974.5/31

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

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

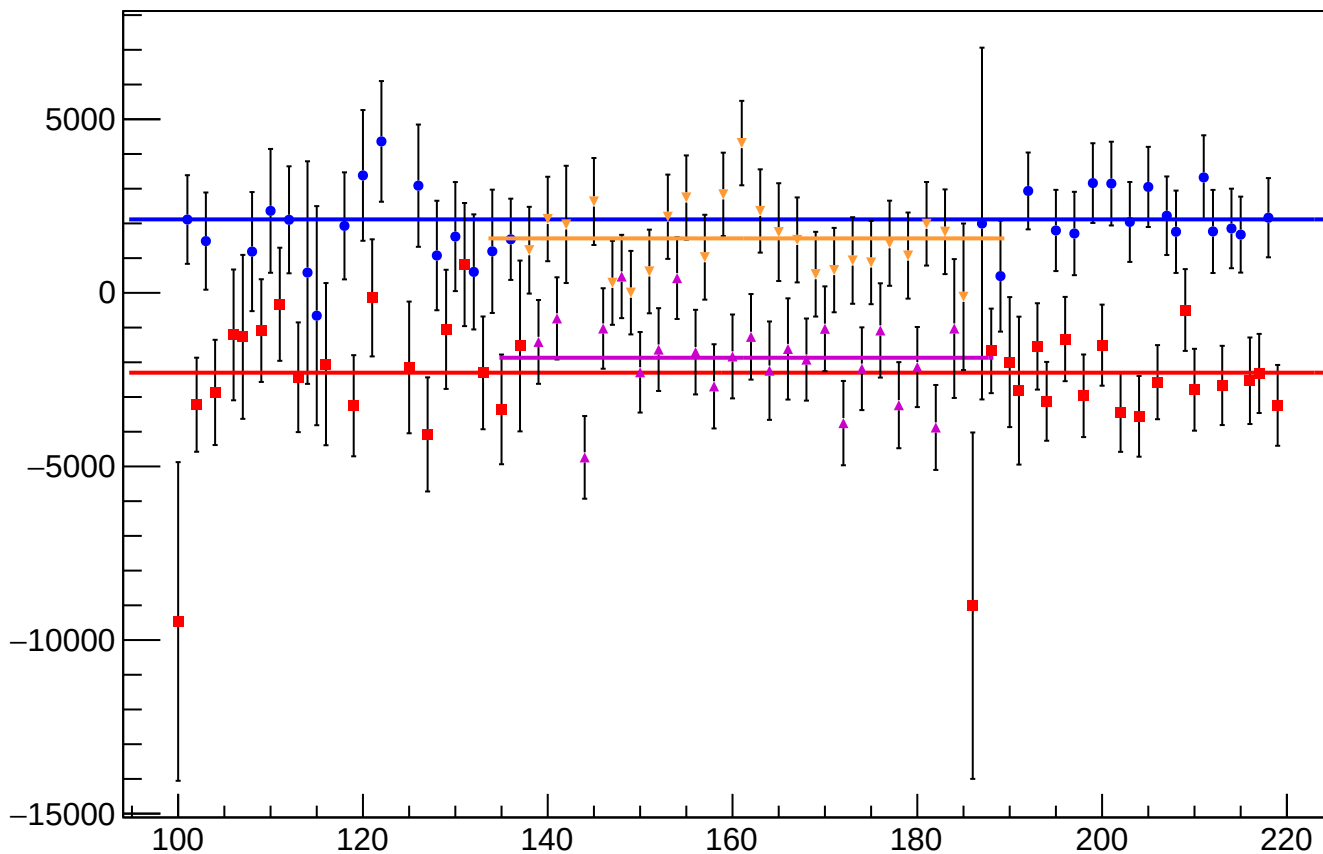
Left In: 1452.983+/-0.245 χ^2/NDF : 1129567.2/22

+ sign 1011.940+/-0.122 χ^2/NDF : 8438956.9/55

All: 1022.885+/-0.087 χ^2/NDF : 17230689.9/100

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

overload_cor_asym_usl_mean vs Slug



Right In: 2116.030 $\pm$ 243.749 χ^2 /NDF: 11.2/31

Left Out: 1568.786 $\pm$ 256.294 χ^2 /NDF: 15.4/23

Right Out: -2299.363 $\pm$ 239.111 χ^2 /NDF: 23.1/35

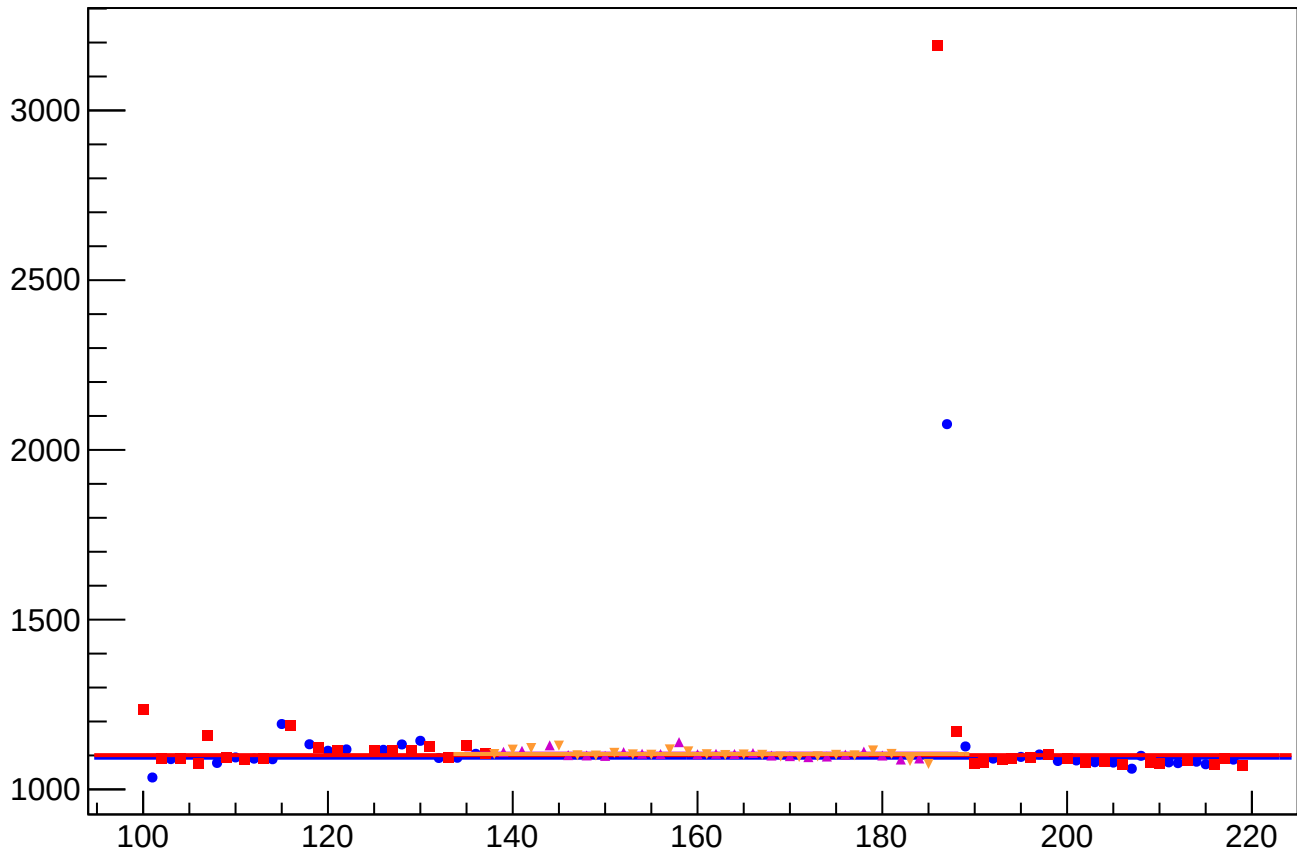
Left In: -1869.342 $\pm$ 258.099 χ^2 /NDF: 23.4/22

+ sign 1856.128 $\pm$ 176.625 χ^2 /NDF: 29.0/55

All: -136.014 $\pm$ 124.460 χ^2 /NDF: 329.7/114

- sign -2100.752 $\pm$ 175.406 χ^2 /NDF: 48.0/58

overload_cor_asym_usl_rms vs Slug



Right In: 1093.306+/-0.172 χ^2/NDF : 92294.5/31

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

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

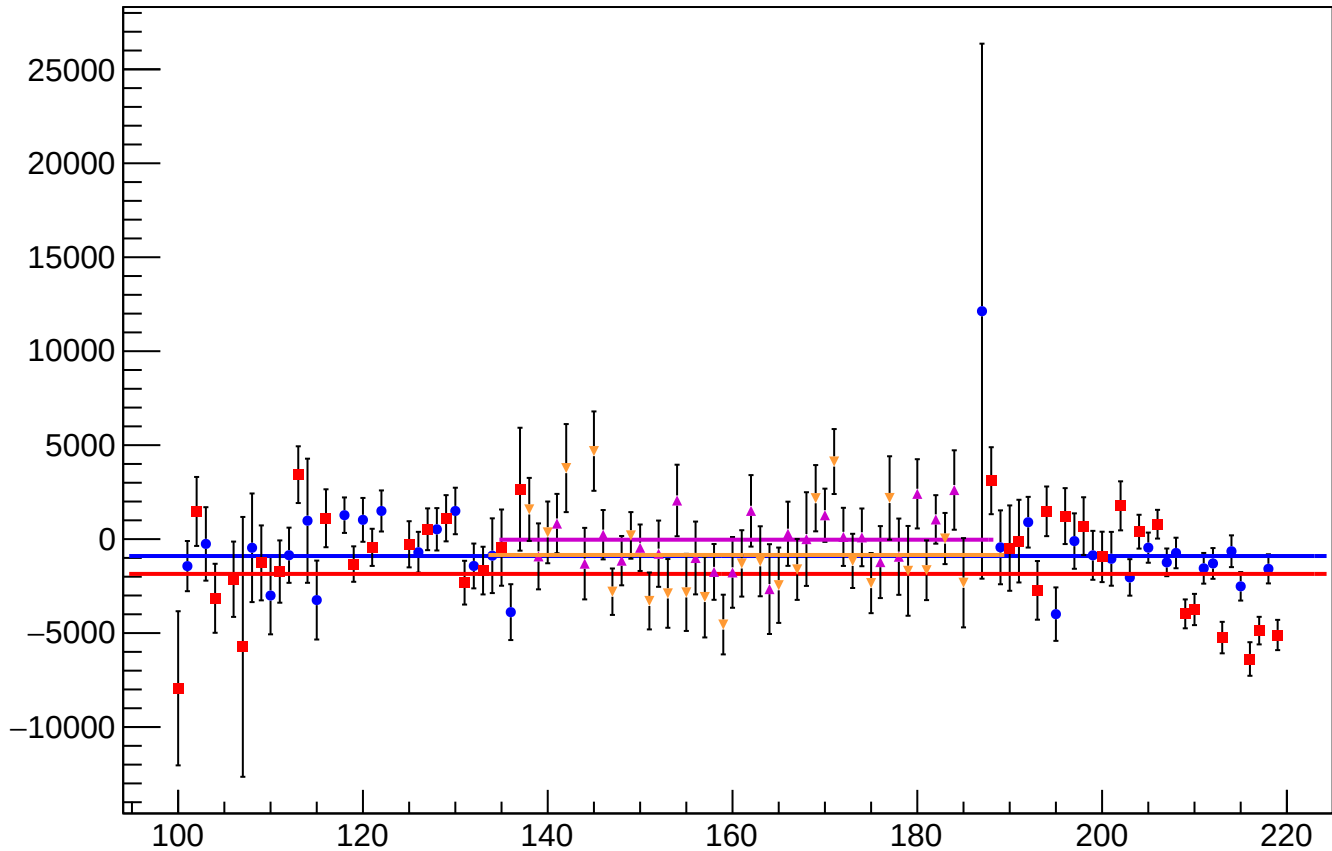
Left In: 1105.380+/-0.183 χ^2/NDF : 3661.0/22

+ sign 1098.507+/-0.125 χ^2/NDF : 97211.6/55

All: 1100.744+/-0.088 χ^2/NDF : 476138.2/114

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

asym_usl_overload_cor_correction_mean vs Slug



Right In: -899.503 ± 200.145 $\chi^2/\text{NDF}: 41.2/31$

Left Out: -843.280 ± 347.538 $\chi^2/\text{NDF}: 44.0/23$

Right Out: -1851.161 ± 203.065 $\chi^2/\text{NDF}: 176.1/34$

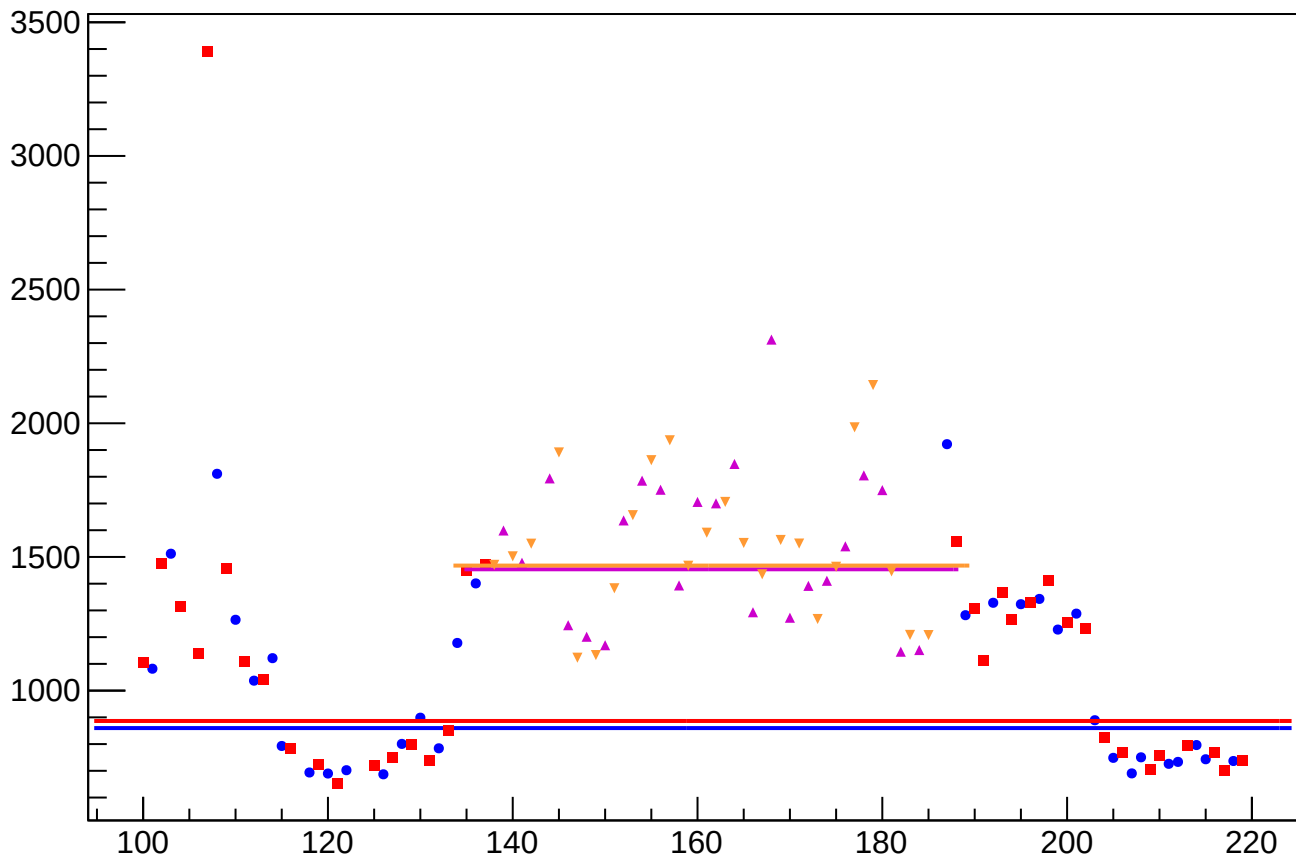
Left In: -31.387 ± 346.155 $\chi^2/\text{NDF}: 13.1/22$

+ sign -885.500 ± 173.440 $\chi^2/\text{NDF}: 85.3/55$

All: -1132.920 ± 123.241 $\chi^2/\text{NDF}: 299.2/113$

- sign -1385.249 ± 175.152 $\chi^2/\text{NDF}: 209.7/57$

asym_usl_overload_cor_correction_rms vs Slug



Right In: 859.853+/-0.142 χ^2/NDF : 2647999.3/31

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

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

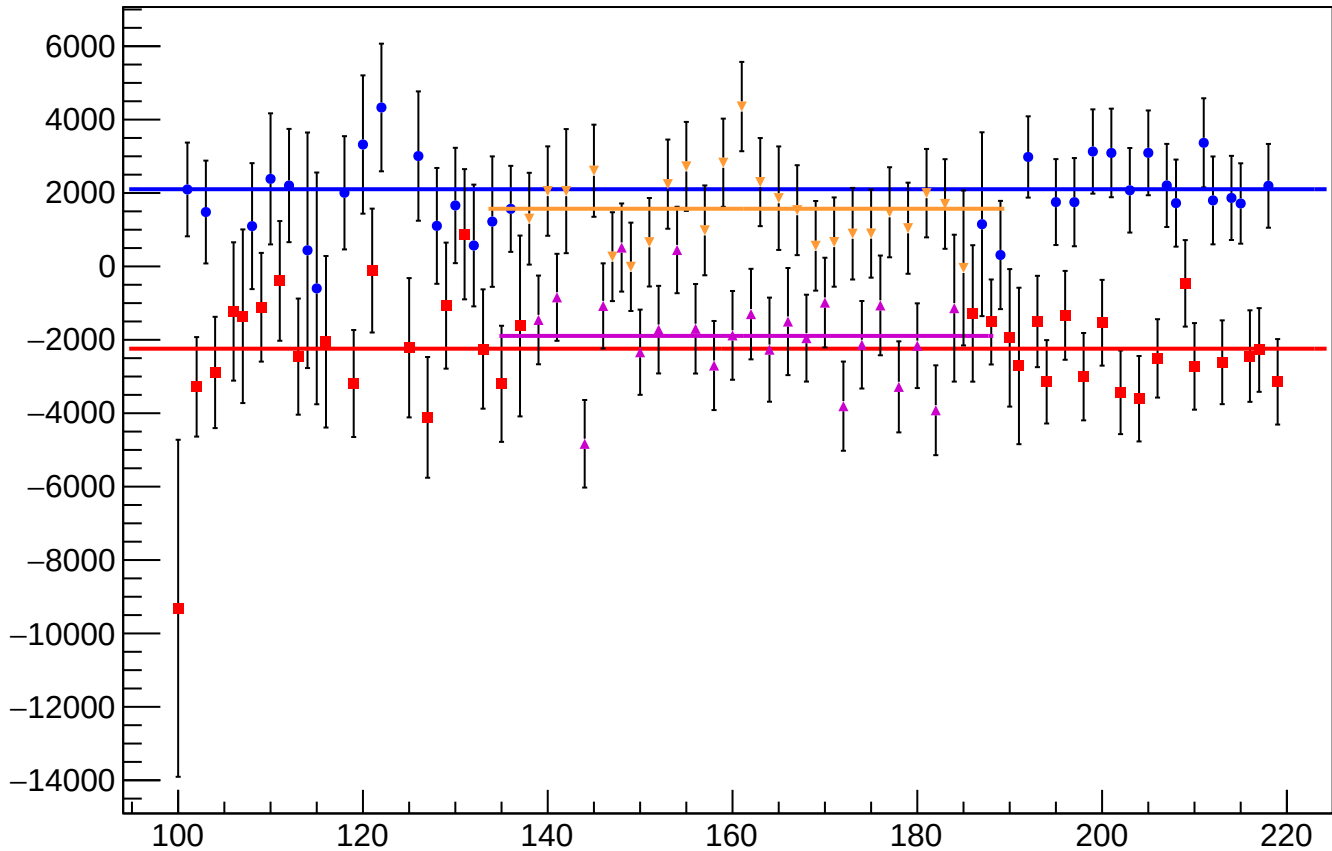
Left In: 1453.834+/-0.245 χ^2/NDF : 1127997.5/22

+ sign 1011.238+/-0.123 χ^2/NDF : 8284173.4/55

All: 1021.364+/-0.087 χ^2/NDF : 16668622.1/100

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

eigen_cor_asym_usl_mean vs Slug



Right In: 2103.345+/-242.548 χ^2/NDF : 11.8/31

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

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

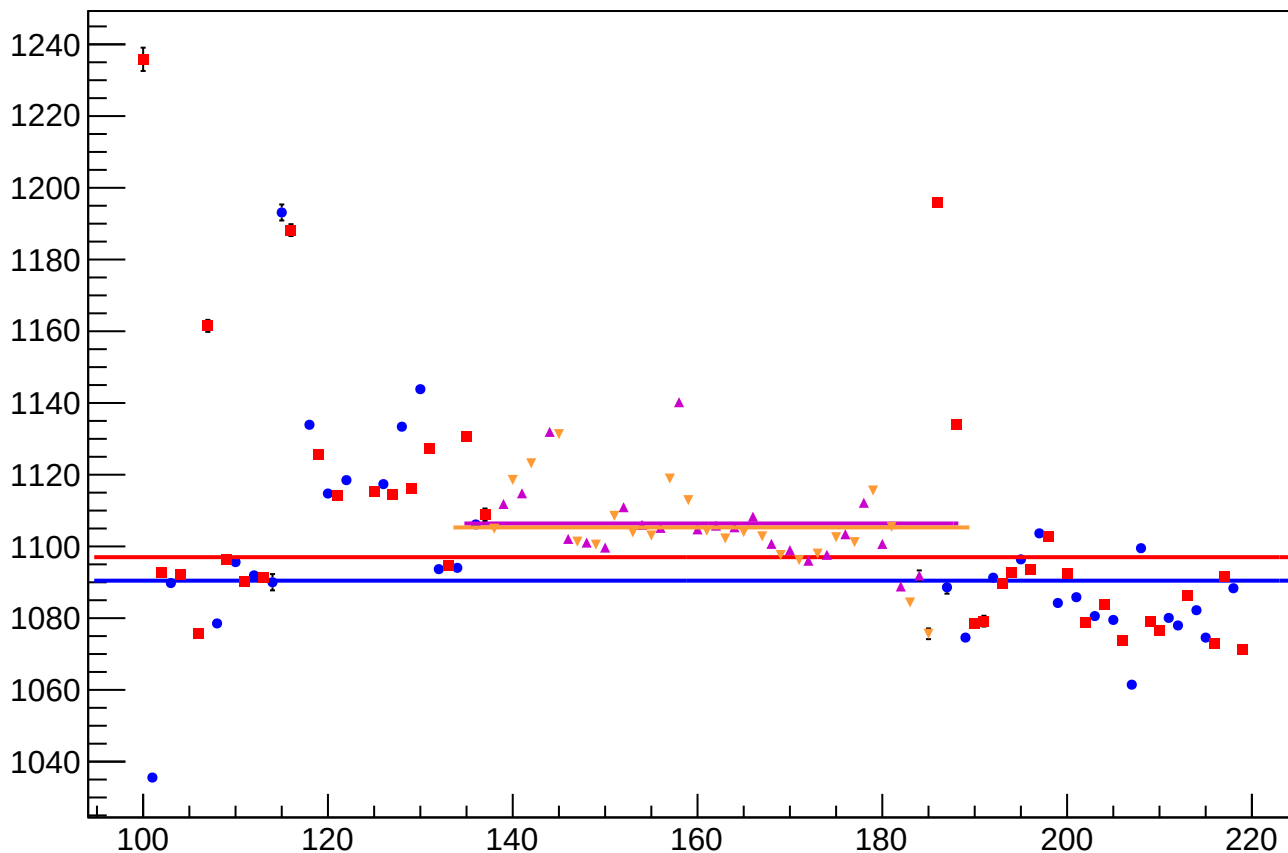
Left In: -1893.347+/-258.339 χ^2/NDF : 24.1/22

+ sign 1852.107+/-176.245 χ^2/NDF : 29.4/55

All: -132.858+/-124.064 χ^2/NDF : 327.4/114

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

eigen_cor_asym_usl_rms vs Slug



Right In: 1090.454 $\pm$ 0.172 χ^2 /NDF: 16260.4/31

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

Right Out: 1097.005 $\pm$ 0.168 χ^2 /NDF: 22860.8/35

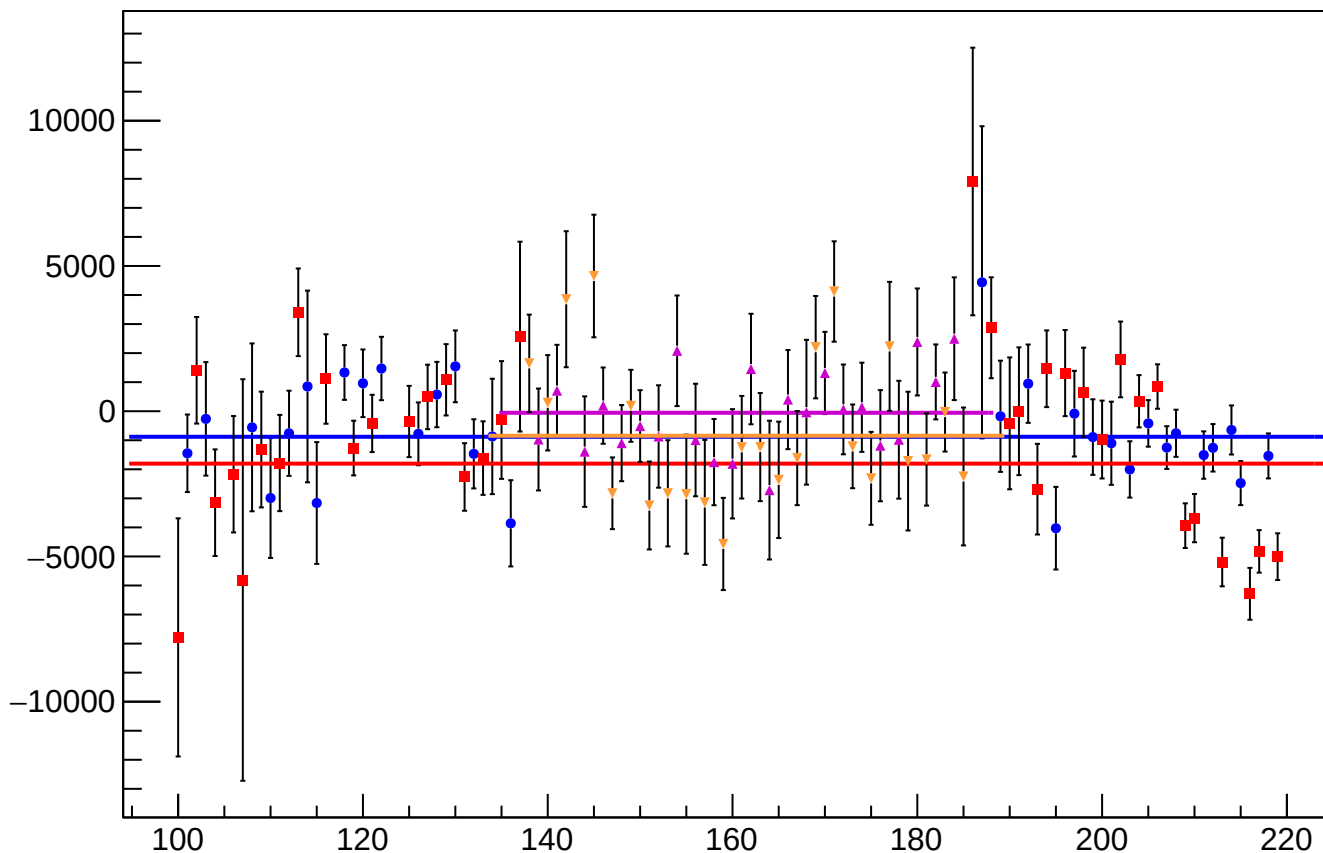
Left In: 1106.405 $\pm$ 0.183 χ^2 /NDF:3776.4/22

+ sign 1097.459 $\pm$ 0.125 χ^2 /NDF: 22956.0/55

All: 1099.398 $\pm$ 0.088 χ^2 /NDF: 51510.5/114

- sign 1101.302 $\pm$ 0.124 χ^2 /NDF: 28074.6/58

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -880.279 ± 199.730 $\chi^2/\text{NDF}: 41.4/31$

Left Out: -844.649 ± 347.346 $\chi^2/\text{NDF}: 44.2/23$

Right Out: -1804.412 ± 202.557 $\chi^2/\text{NDF}: 176.8/35$

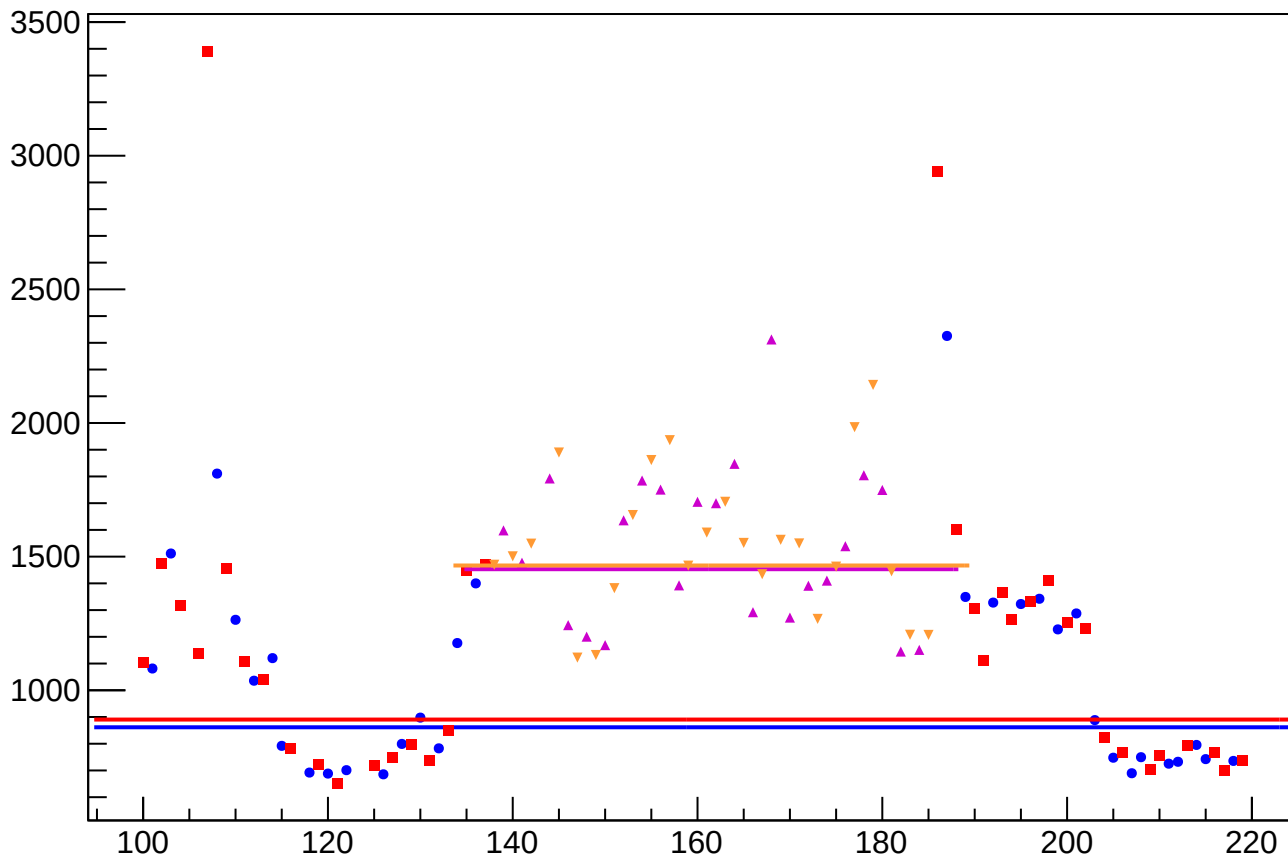
Left In: -54.347 ± 345.962 $\chi^2/\text{NDF}: 13.0/22$

+ sign -871.425 ± 173.146 $\chi^2/\text{NDF}: 85.6/55$

All: -1112.223 ± 123.013 $\chi^2/\text{NDF}: 298.4/114$

- sign -1357.644 ± 174.800 $\chi^2/\text{NDF}: 208.9/58$

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 861.528 $\pm$ 0.141 χ^2/NDF : 2830974.5/31

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

Right Out: 890.427 $\pm$ 0.143 χ^2/NDF : 3707873.5/35

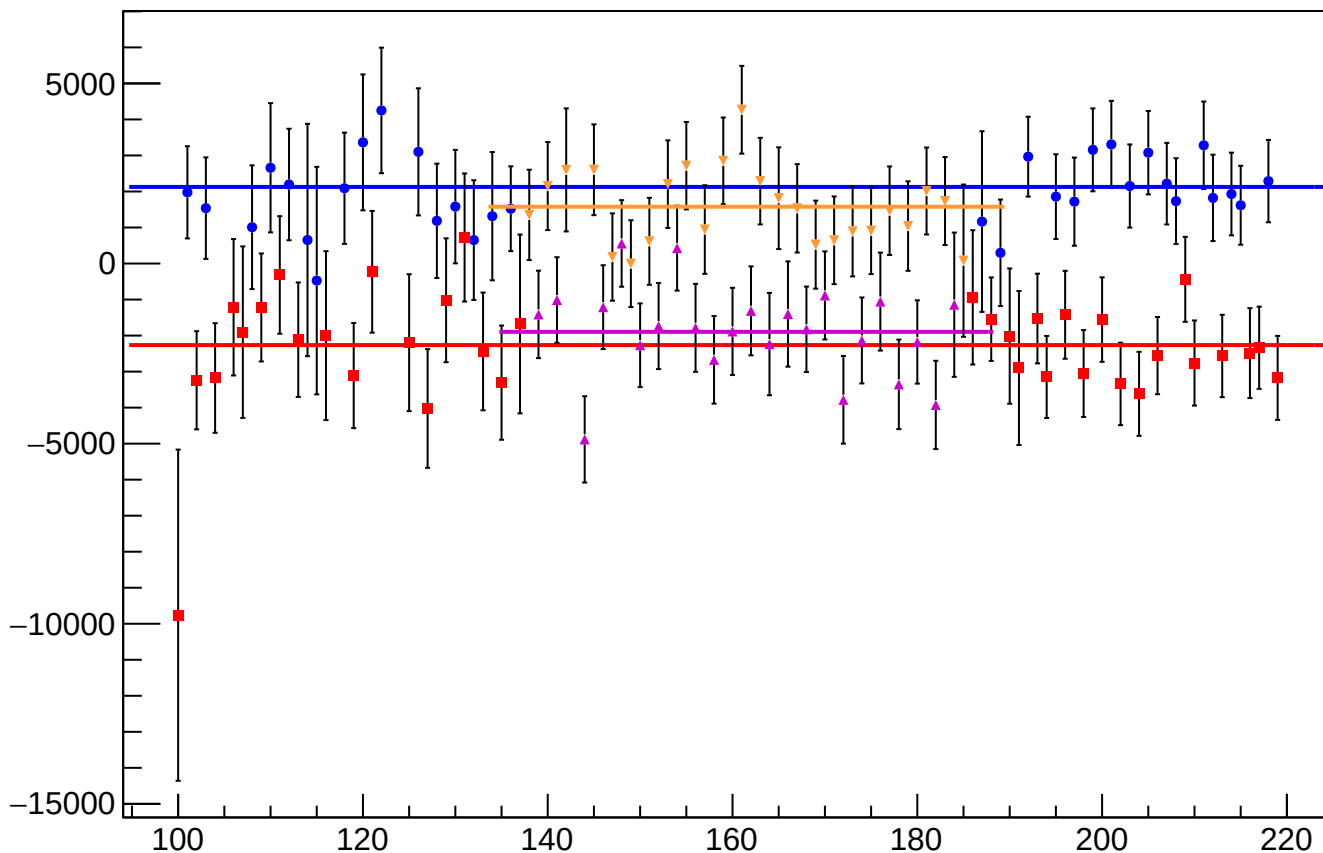
Left In: 1452.983 $\pm$ 0.245 χ^2/NDF : 1129567.2/22

+ sign 1011.940 $\pm$ 0.122 χ^2/NDF : 8438956.9/55

All: 1022.885 $\pm$ 0.087 χ^2/NDF : 17230689.9/100

- sign 1034.040 $\pm$ 0.124 χ^2/NDF : 8775595.6/58

dit_asym_usl_mean vs Slug



Right In: 2126.732 $\pm$ 243.243 χ^2 /NDF: 11.7/31

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

Right Out: -2263.505 $\pm$ 237.818 χ^2 /NDF: 21.4/35

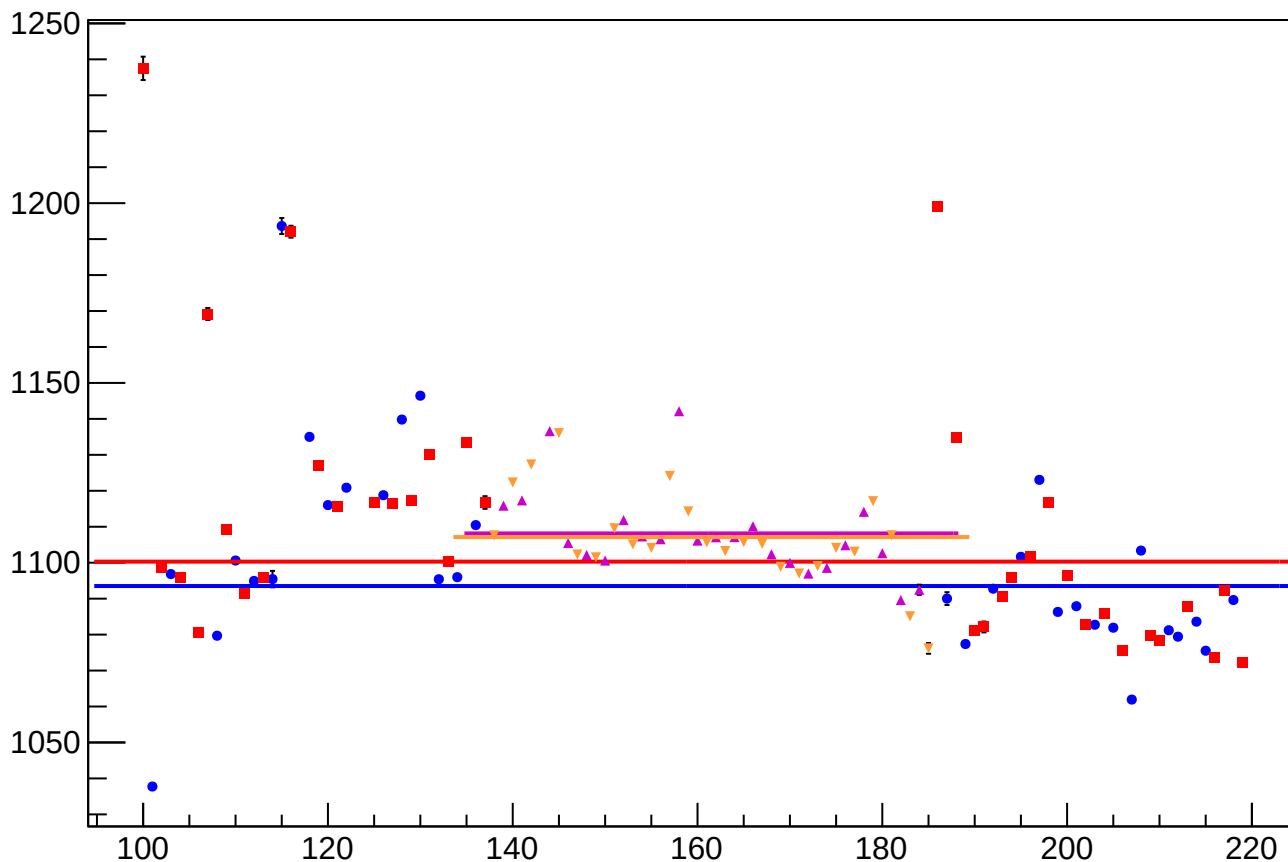
Left In: -1895.548 $\pm$ 258.750 χ^2 /NDF: 24.1/22

+ sign 1867.165 $\pm$ 176.663 χ^2 /NDF: 29.7/55

All: -131.574 $\pm$ 124.362 χ^2 /NDF: 330.0/114

- sign -2095.010 $\pm$ 175.096 χ^2 /NDF: 46.6/58

dit_asym_usl_rms vs Slug



Right In: 1093.510 $\pm$ 0.172 χ^2 /NDF: 17878.8/31

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

Right Out: 1100.295 $\pm$ 0.168 χ^2 /NDF: 23648.6/35

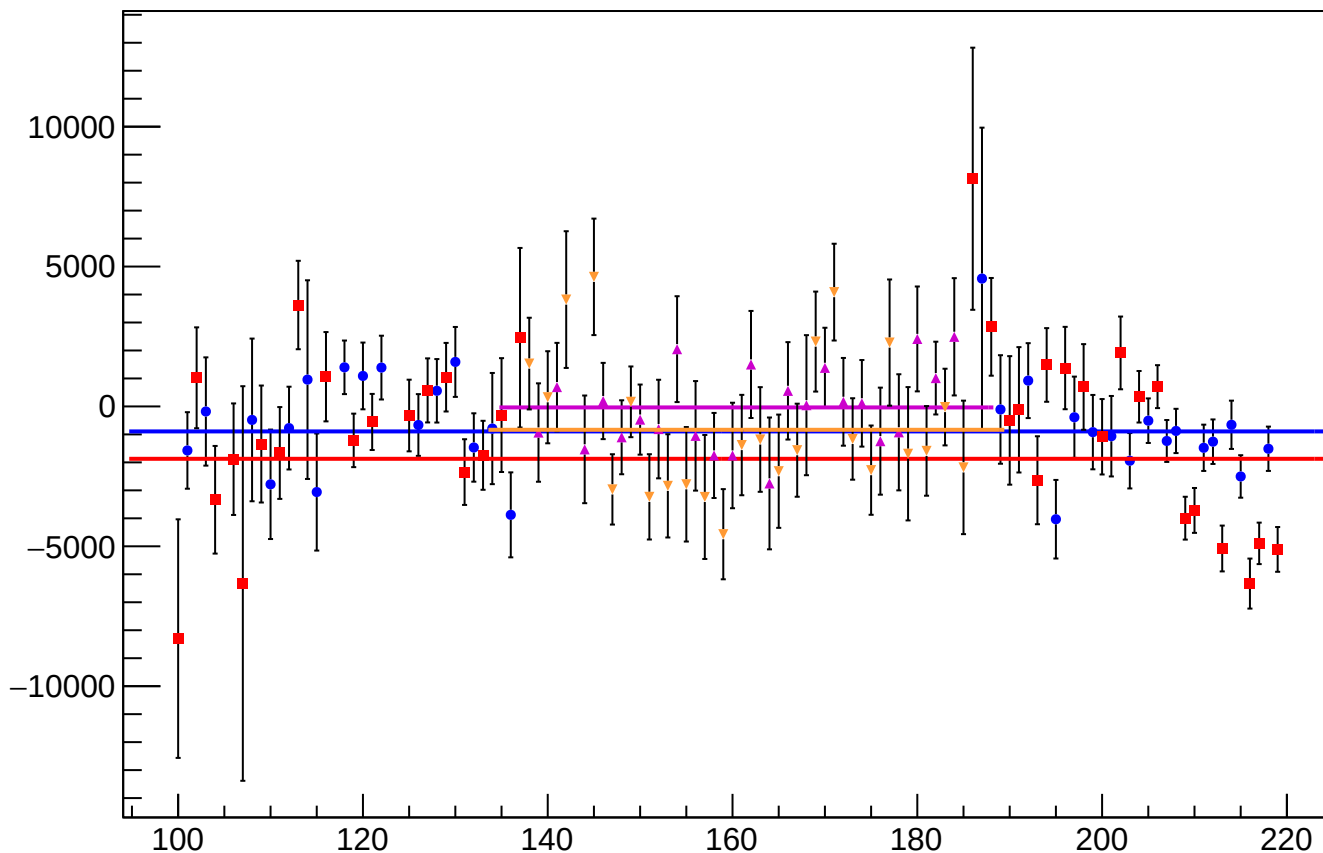
Left In: 1108.145 $\pm$ 0.183 χ^2 /NDF: 4190.5/22

+ sign 1099.944 $\pm$ 0.125 χ^2 /NDF: 24623.8/55

All: 1101.935 $\pm$ 0.088 χ^2 /NDF: 53964.1/114

- sign 1103.890 $\pm$ 0.124 χ^2 /NDF: 28837.1/58

asym_usl_dit_correction_mean vs Slug



Right In: -893.083 ± 201.298 $\chi^2/\text{NDF}: 40.5/31$

Left Out: -835.288 ± 350.615 $\chi^2/\text{NDF}: 43.6/23$

Right Out: -1872.168 ± 203.364 $\chi^2/\text{NDF}: 177.2/35$

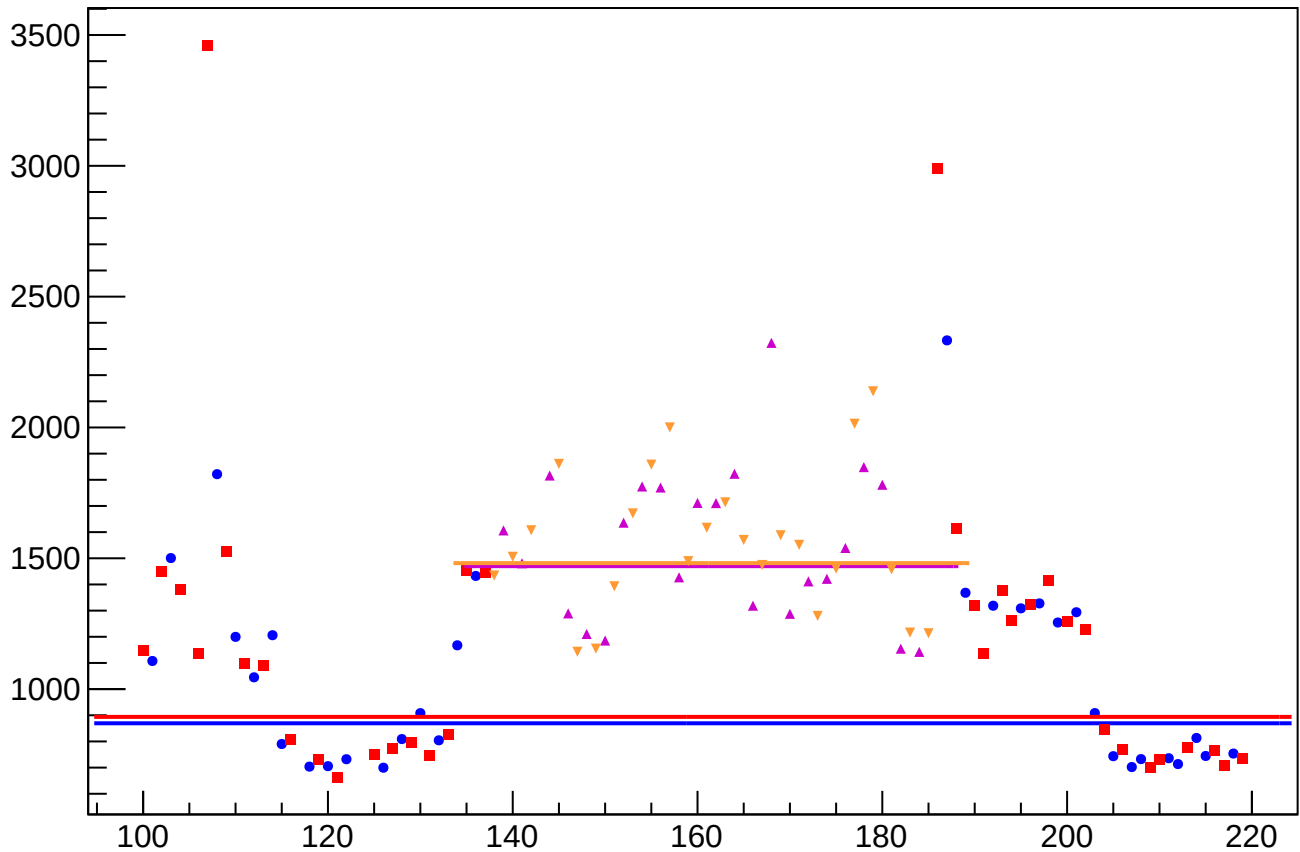
Left In: -35.516 ± 349.636 $\chi^2/\text{NDF}: 13.1/22$

+ sign -878.756 ± 174.572 $\chi^2/\text{NDF}: 84.1/55$

All: -1141.477 ± 123.870 $\chi^2/\text{NDF}: 299.6/114$

- sign -1407.880 ± 175.791 $\chi^2/\text{NDF}: 211.0/58$

asym_usl_dit_correction_rms vs Slug



Right In: 869.407 $\pm$ 0.142 χ^2 /NDF: 2789147.0/31

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

Right Out: 893.857 $\pm$ 0.144 χ^2 /NDF: 3751589.9/35

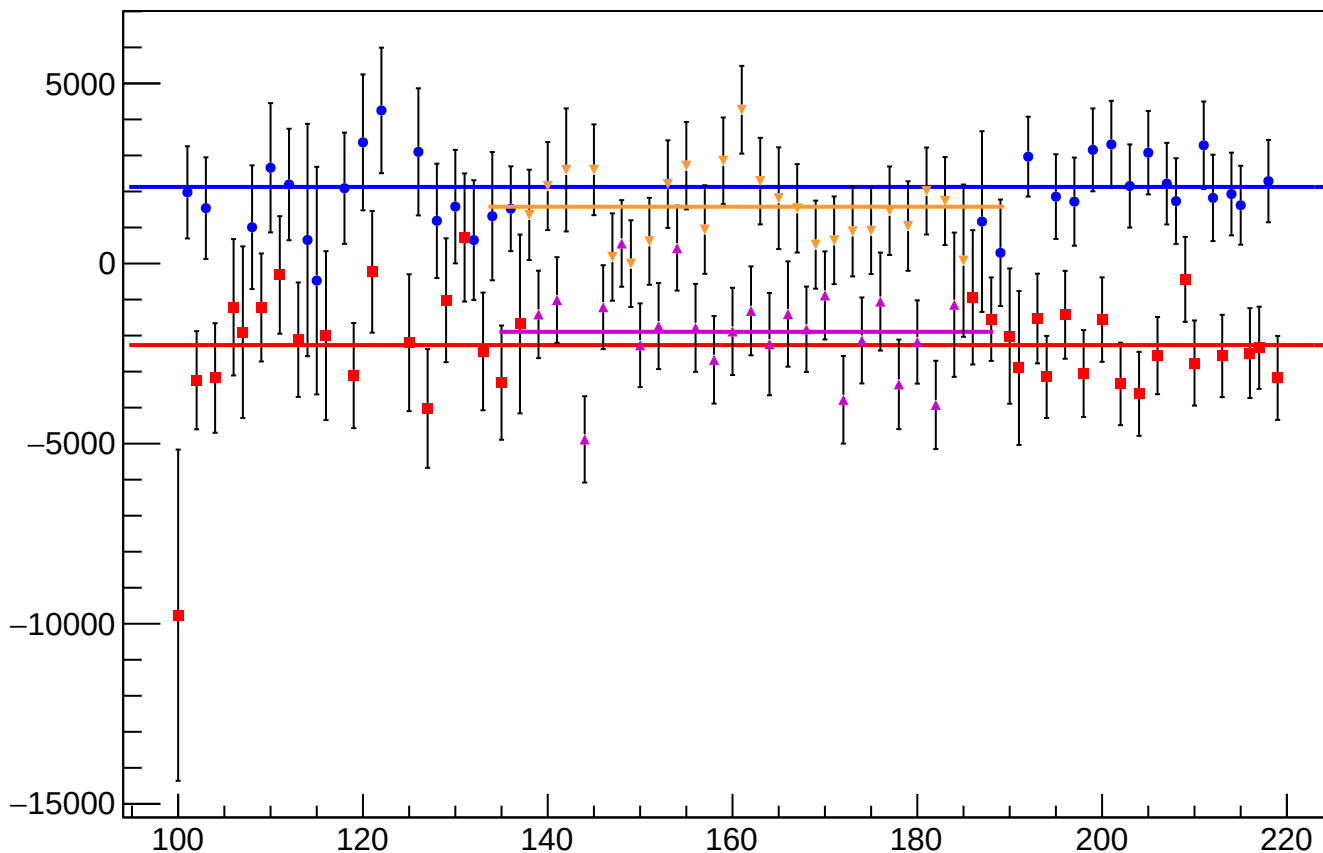
Left In: 1469.907 $\pm$ 0.247 χ^2 /NDF: 1095056.5/22

+ sign 1021.160 $\pm$ 0.123 χ^2 /NDF: 8391580.2/55

All: 1030.255 $\pm$ 0.088 χ^2 /NDF: 17305752.1/100

- sign 1039.476 $\pm$ 0.124 χ^2 /NDF: 8903239.8/58

eigen_dit_asym_usl_mean vs Slug



Right In: 2126.732 $\pm$ 243.243 χ^2 /NDF: 11.7/31

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

Right Out: -2263.504 $\pm$ 237.818 χ^2 /NDF: 21.4/35

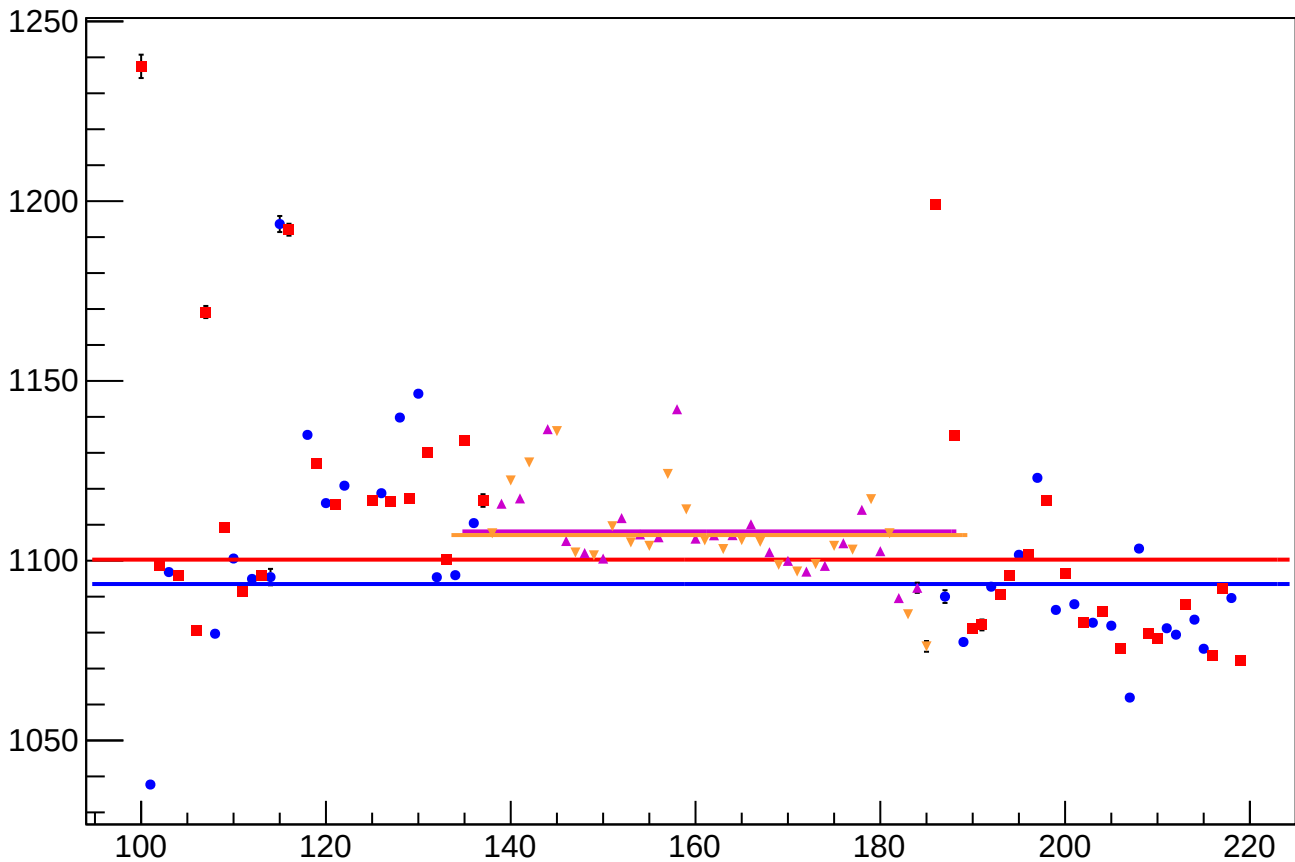
Left In: -1895.549 $\pm$ 258.750 χ^2 /NDF:24.1/22

+ sign 1867.164 $\pm$ 176.663 χ^2 /NDF: 29.7/55

All: -131.575 $\pm$ 124.362 χ^2 /NDF: 330.0/114

- sign -2095.010 $\pm$ 175.096 χ^2 /NDF: 46.6/58

eigen_dit_asym_usl_rms vs Slug



Right In: 1093.510 $\pm$ 0.172 χ^2 /NDF: 17878.8/31

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

Right Out: 1100.295 $\pm$ 0.168 χ^2 /NDF: 23648.6/35

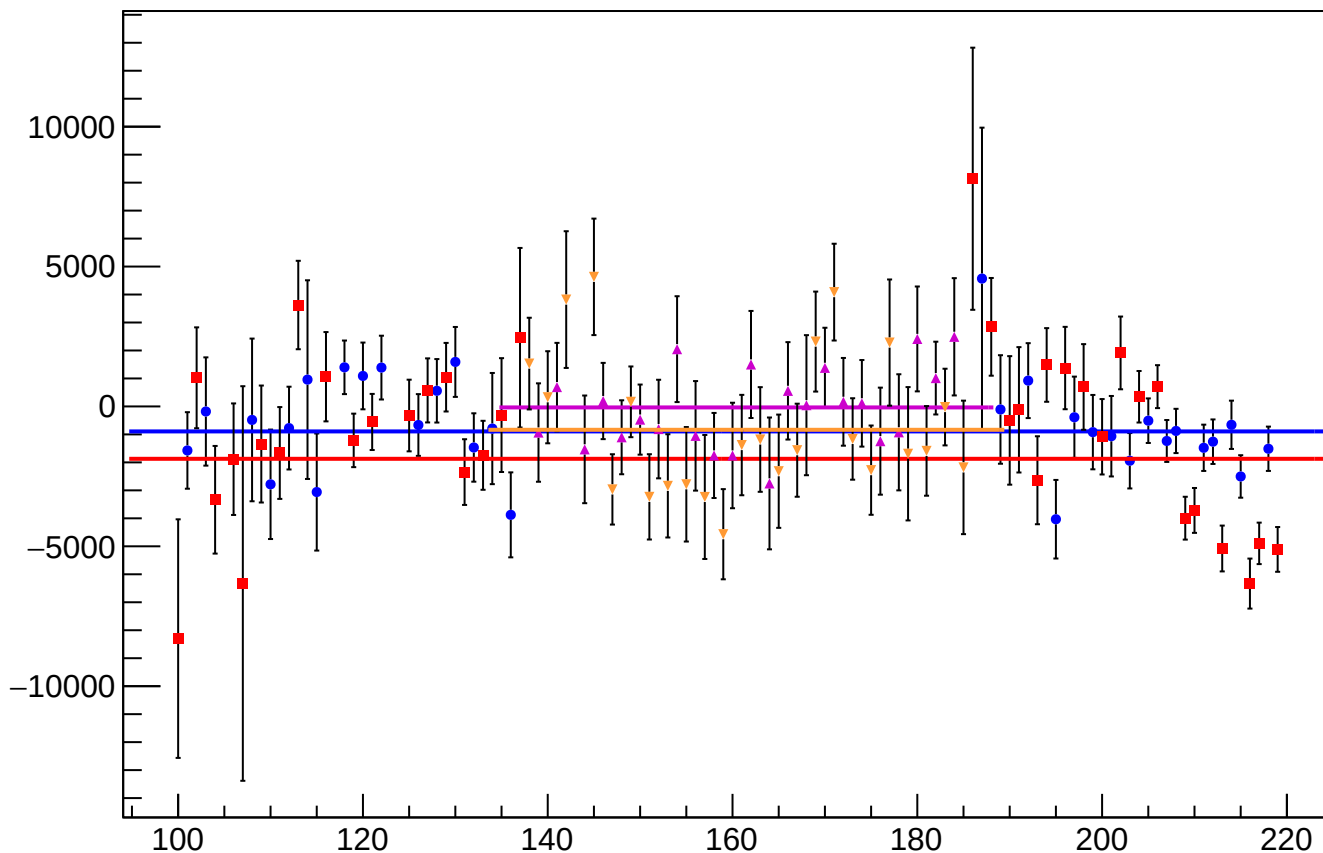
Left In: 1108.145 $\pm$ 0.183 χ^2 /NDF: 4190.5/22

+ sign 1099.944 $\pm$ 0.125 χ^2 /NDF: 24623.8/55

All: 1101.935 $\pm$ 0.088 χ^2 /NDF: 53964.1/114

- sign 1103.890 $\pm$ 0.124 χ^2 /NDF: 28837.0/58

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -893.081 ± 201.298 $\chi^2/\text{NDF}: 40.5/31$

Left Out: -835.291 ± 350.615 $\chi^2/\text{NDF}: 43.6/23$

Right Out: -1872.165 ± 203.364 $\chi^2/\text{NDF}: 177.2/35$

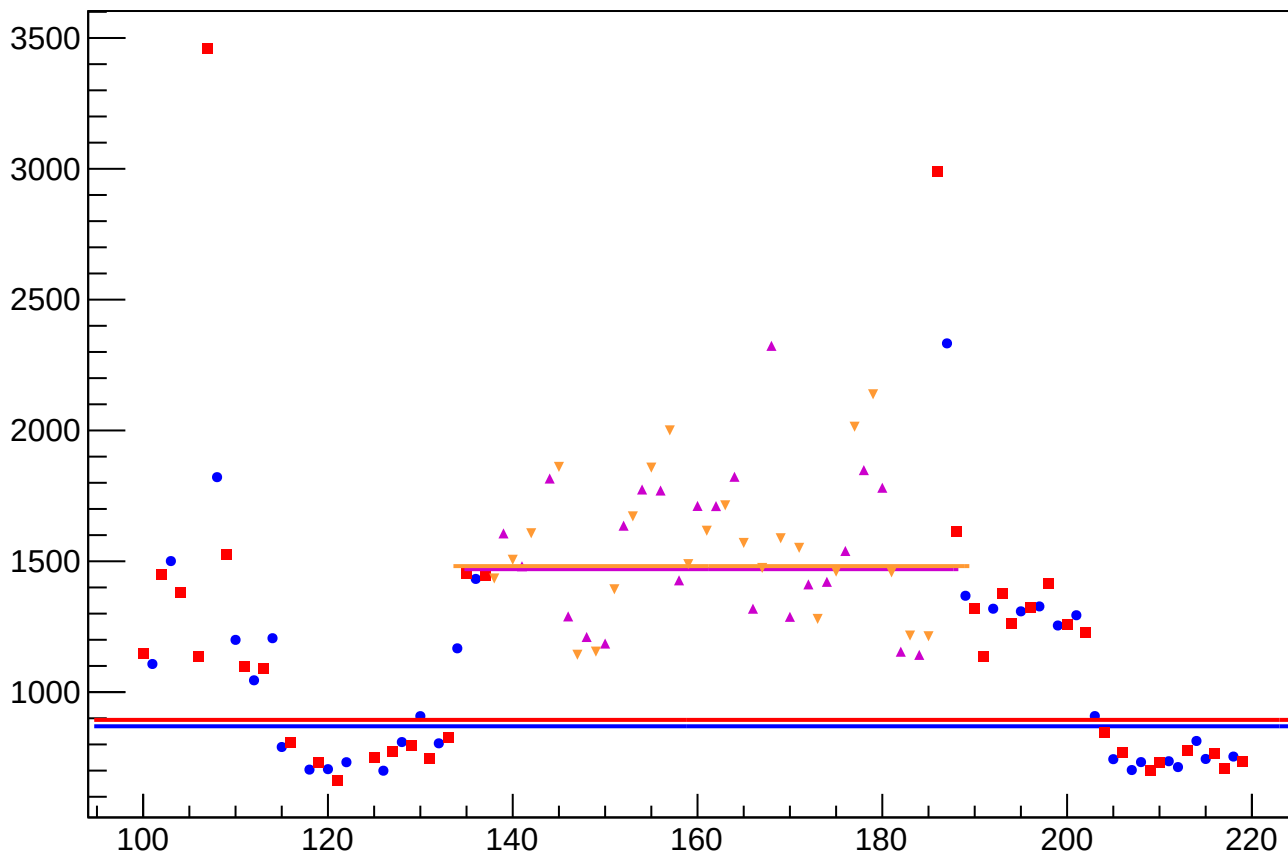
Left In: -35.516 ± 349.636 $\chi^2/\text{NDF}: 13.1/22$

+ sign -878.755 ± 174.572 $\chi^2/\text{NDF}: 84.1/55$

All: -1141.476 ± 123.870 $\chi^2/\text{NDF}: 299.6/114$

- sign -1407.879 ± 175.791 $\chi^2/\text{NDF}: 211.0/58$

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 869.407 $\pm$ 0.142 χ^2 /NDF: 2789147.5/31

Left Out: 1481.545 $\pm$ 0.248 χ^2 /NDF: 1017460.8/23

Right Out: 893.856 $\pm$ 0.144 χ^2 /NDF: 3751588.7/35

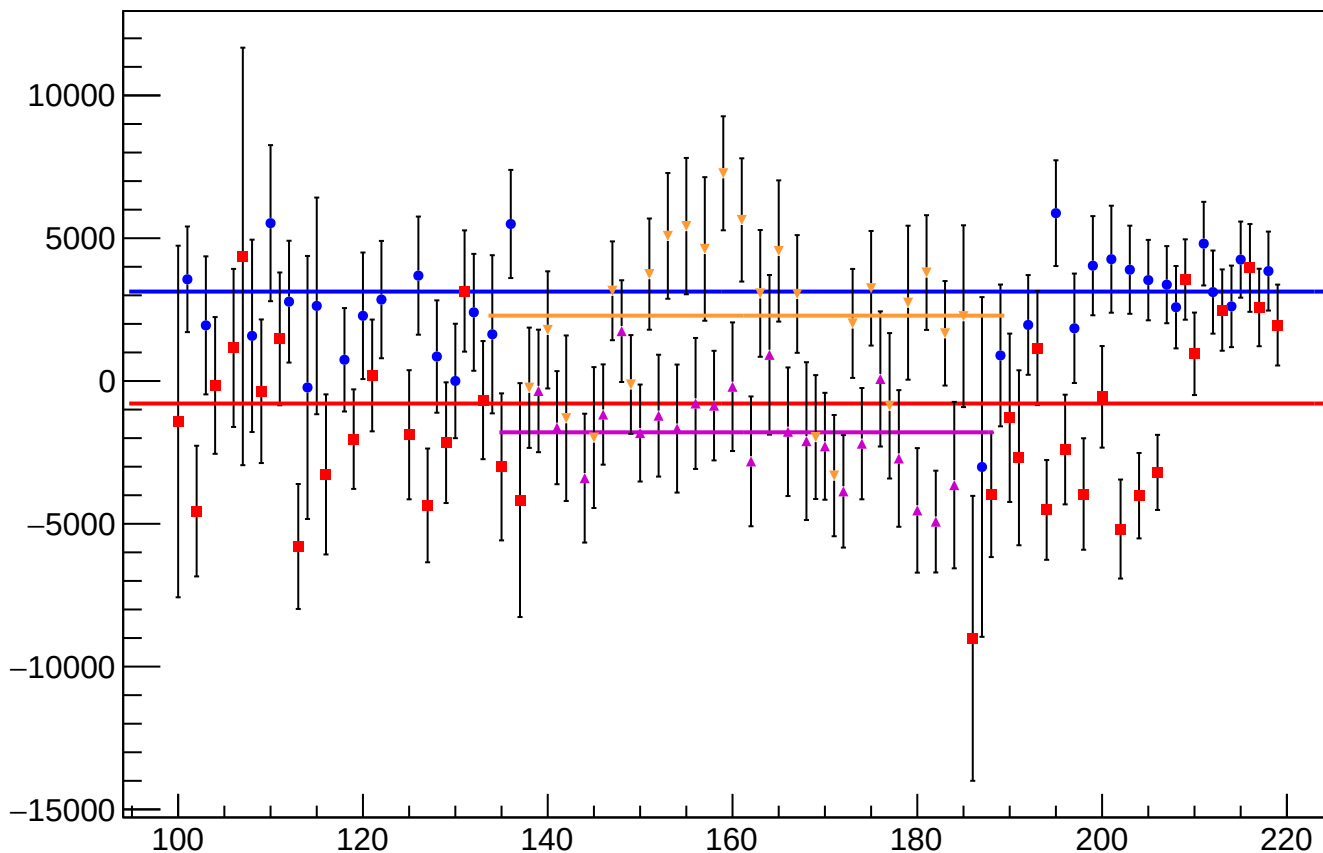
Left In: 1469.908 $\pm$ 0.247 χ^2 /NDF: 1095054.0/22

+ sign 1021.160 $\pm$ 0.123 χ^2 /NDF: 8391600.0/55

All: 1030.254 $\pm$ 0.088 χ^2 /NDF: 17305788.4/1

- sign 1039.476 $\pm$ 0.124 χ^2 /NDF: 8903256.2/58

asym_usl_mean vs Slug



Right In: 3131.549 $\pm$ 327.444 χ^2 /NDF: 18.1/31

Left Out: 2289.701 $\pm$ 439.328 χ^2 /NDF:36.0/23

Right Out: -788.457 $\pm$ 327.037 χ^2 /NDF: 84.6/35

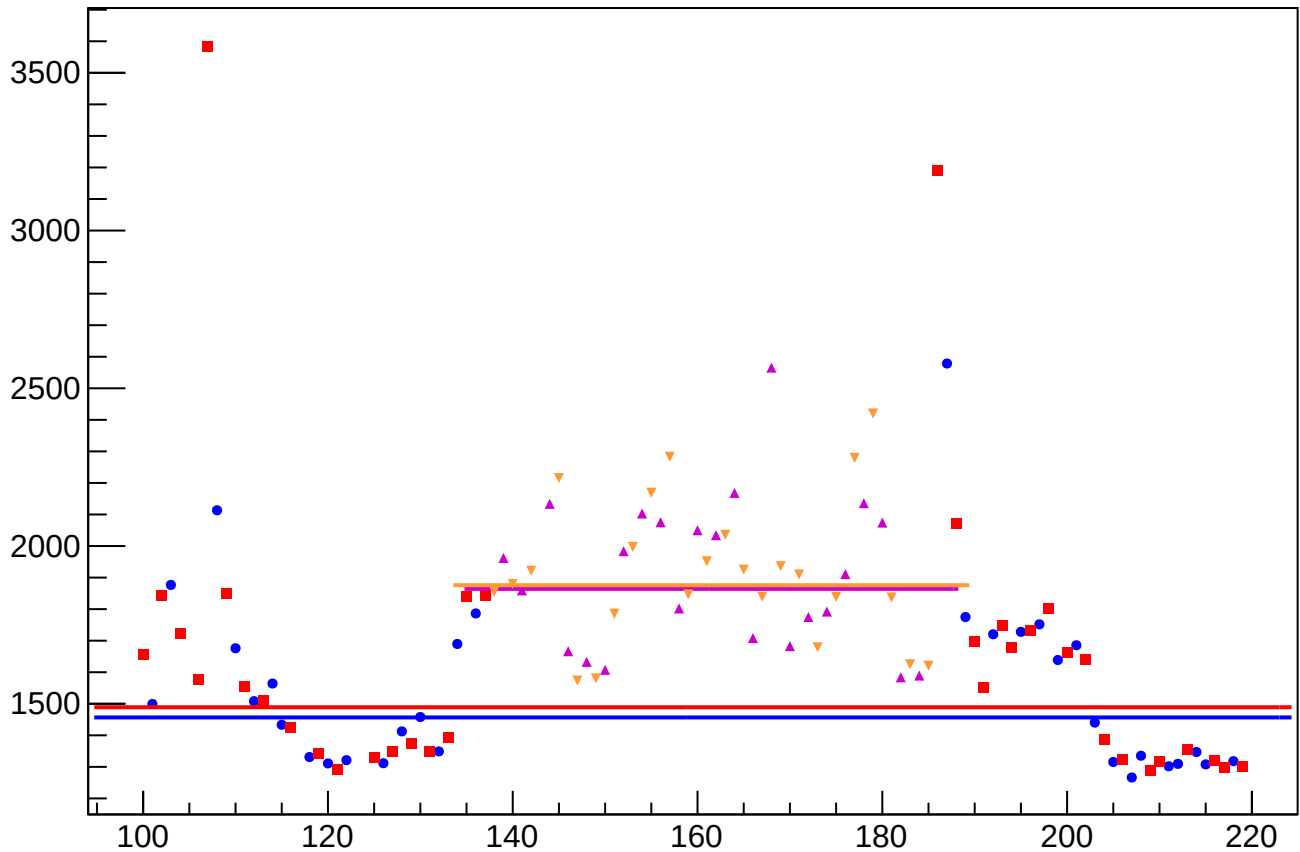
Left In: -1796.308 $\pm$ 439.143 χ^2 /NDF:14.2/22

+ sign 2830.903 $\pm$ 262.543 χ^2 /NDF: 56.5/55

All: 839.555 $\pm$ 185.557 χ^2 /NDF: 273.7/114

- sign -1148.006 $\pm$ 262.293 χ^2 /NDF: 102.2/58

asym_usl_rms vs Slug



Right In: 1456.714 ± 0.232 $\chi^2/\text{NDF}: 736572.3/31$

Left Out: 1875.818 ± 0.311 $\chi^2/\text{NDF}: 472556.0/23$

Right Out: 1489.028 ± 0.231 $\chi^2/\text{NDF}: 1189579.5/35$

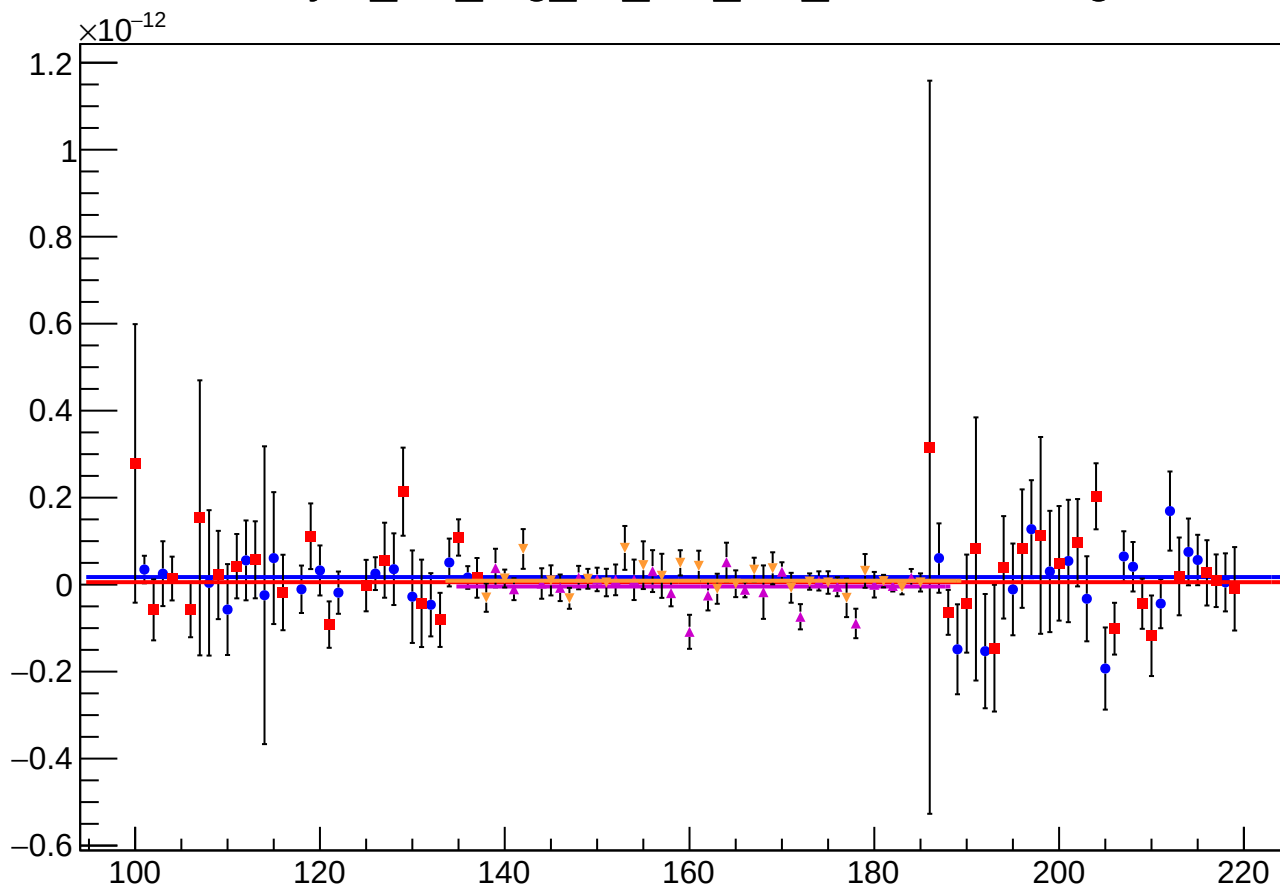
Left In: 1864.162 ± 0.311 $\chi^2/\text{NDF}: 510600.5/22$

+ sign 1606.387 ± 0.186 $\chi^2/\text{NDF}: 2379224.5/55$

All: 1614.630 ± 0.131 $\chi^2/\text{NDF}: 5022144.1/11$

- sign 1622.856 ± 0.185 $\chi^2/\text{NDF}: 2638981.0/58$

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 20.1/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 16.6/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.1/35

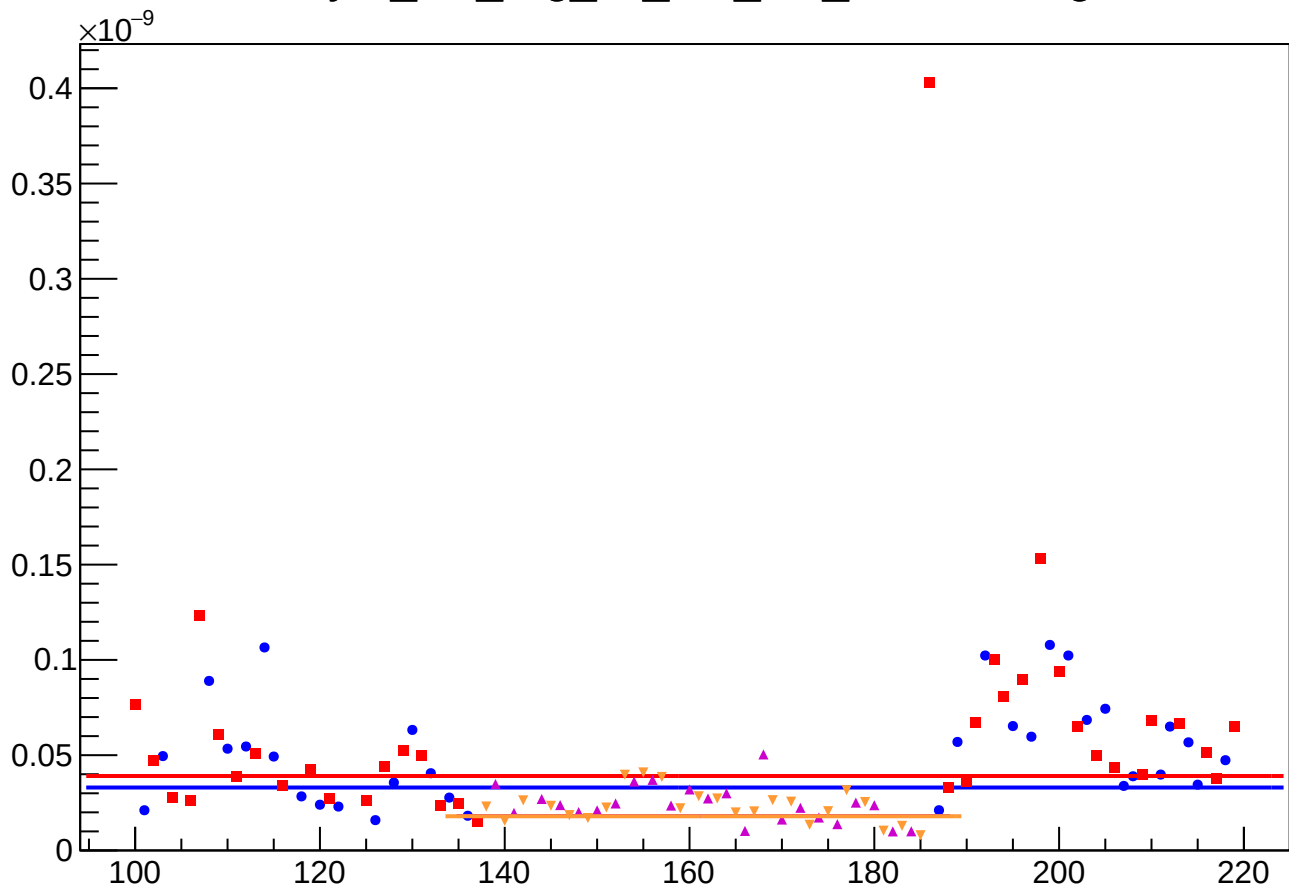
Left In: -0.000 ± 0.000 χ^2/NDF : 28.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 37.2/55

All: 0.000 ± 0.000 χ^2/NDF : 108.5/114

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

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5614864.6/31

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

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

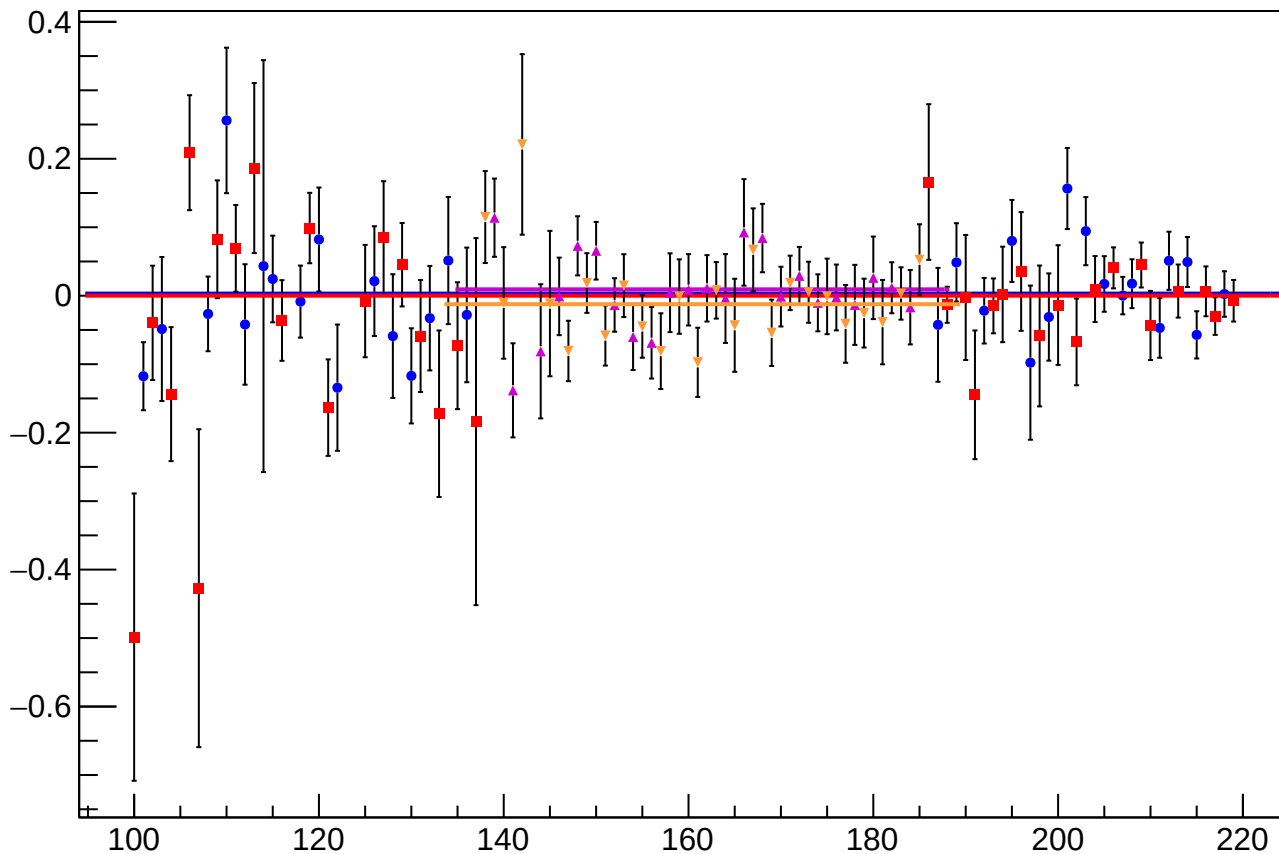
Left In: 0.000+/-0.000 χ^2/NDF : 4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 12039688.7/55

All: 0.000+/-0.000 χ^2/NDF : 25477650.5/114

- sign 0.000+/-0.000 χ^2/NDF : 13426373.4/58

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.009 χ^2/NDF : 41.5/31

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

Right Out: 0.000 ± 0.009 χ^2/NDF : 49.0/35

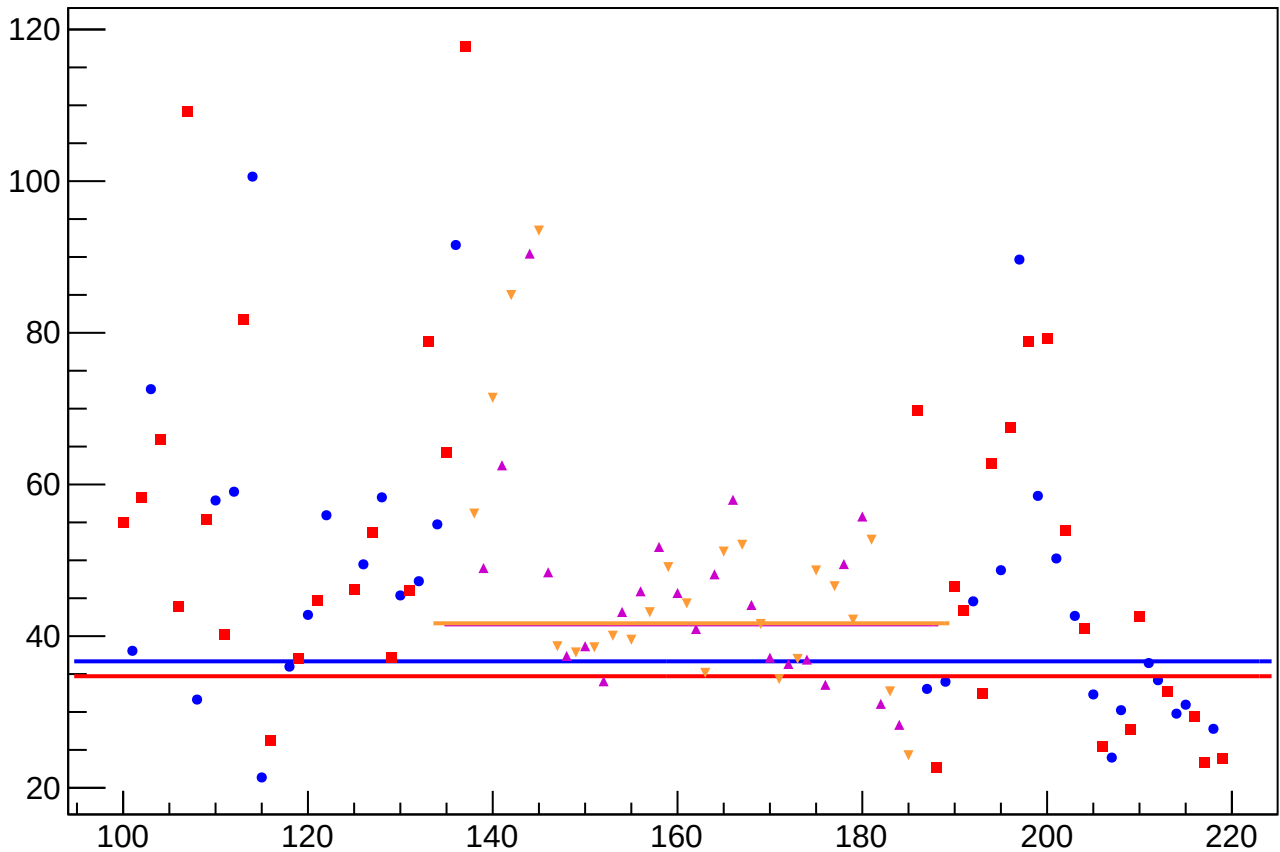
Left In: 0.009 ± 0.010 χ^2/NDF : 21.9/22

+ sign -0.004 ± 0.007 χ^2/NDF : 64.7/55

All: 0.000 ± 0.005 χ^2/NDF : 136.6/114

- sign 0.004 ± 0.007 χ^2/NDF : 71.3/58

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 36.680 $\pm$ 0.007 χ^2 /NDF: 3452390.6/31

Left Out: 41.694 $\pm$ 0.007 χ^2 /NDF:1821790.0/23

Right Out: 34.716 $\pm$ 0.006 χ^2 /NDF: 5314076.9/35

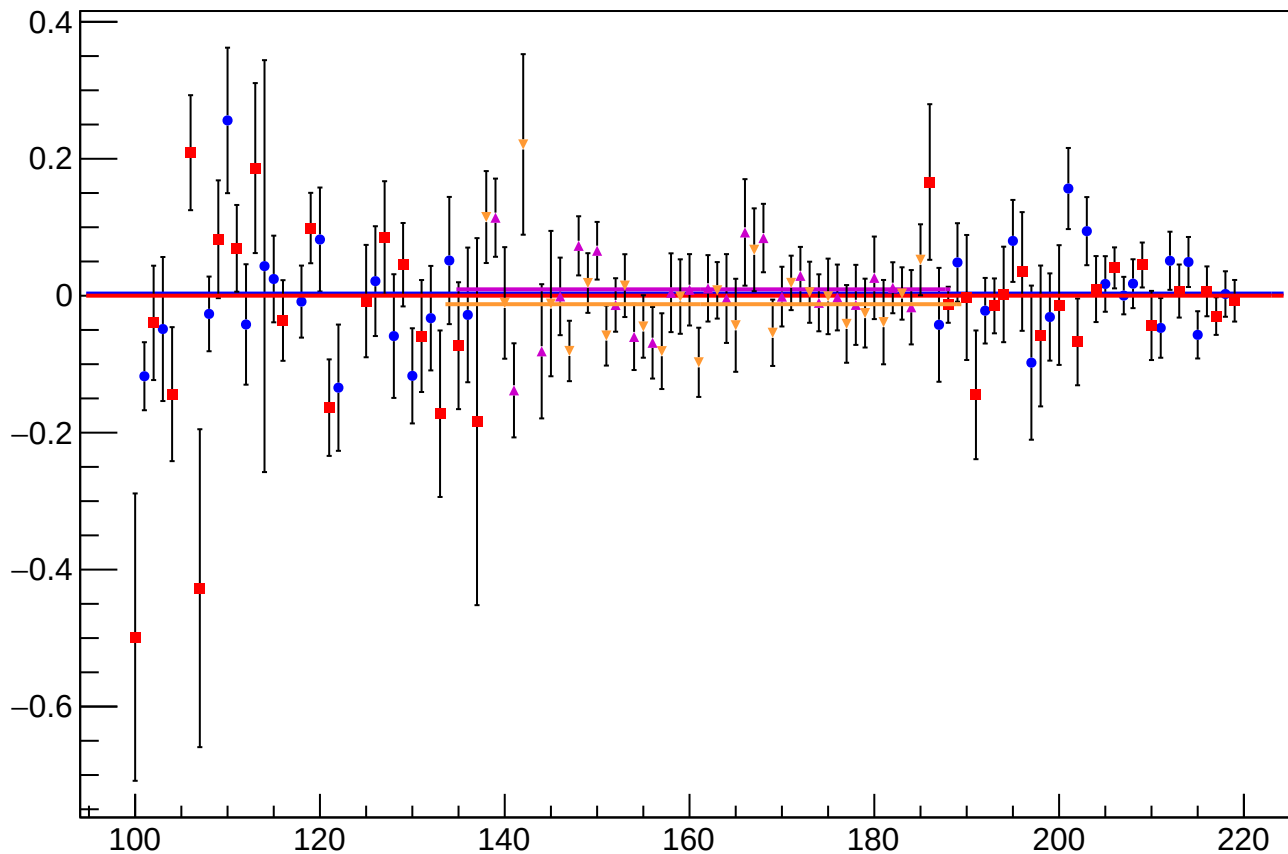
Left In: 41.550 $\pm$ 0.007 χ^2 /NDF:1612979.7/22

+ sign 38.912 $\pm$ 0.005 χ^2 /NDF: 5527645.9/55

All: 38.232 $\pm$ 0.003 χ^2 /NDF: 12984393.3/114

- sign 37.590 $\pm$ 0.005 χ^2 /NDF: 7420015.8/58

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.009 χ^2/NDF : 41.5/31

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

Right Out: 0.000 ± 0.009 χ^2/NDF : 49.0/35

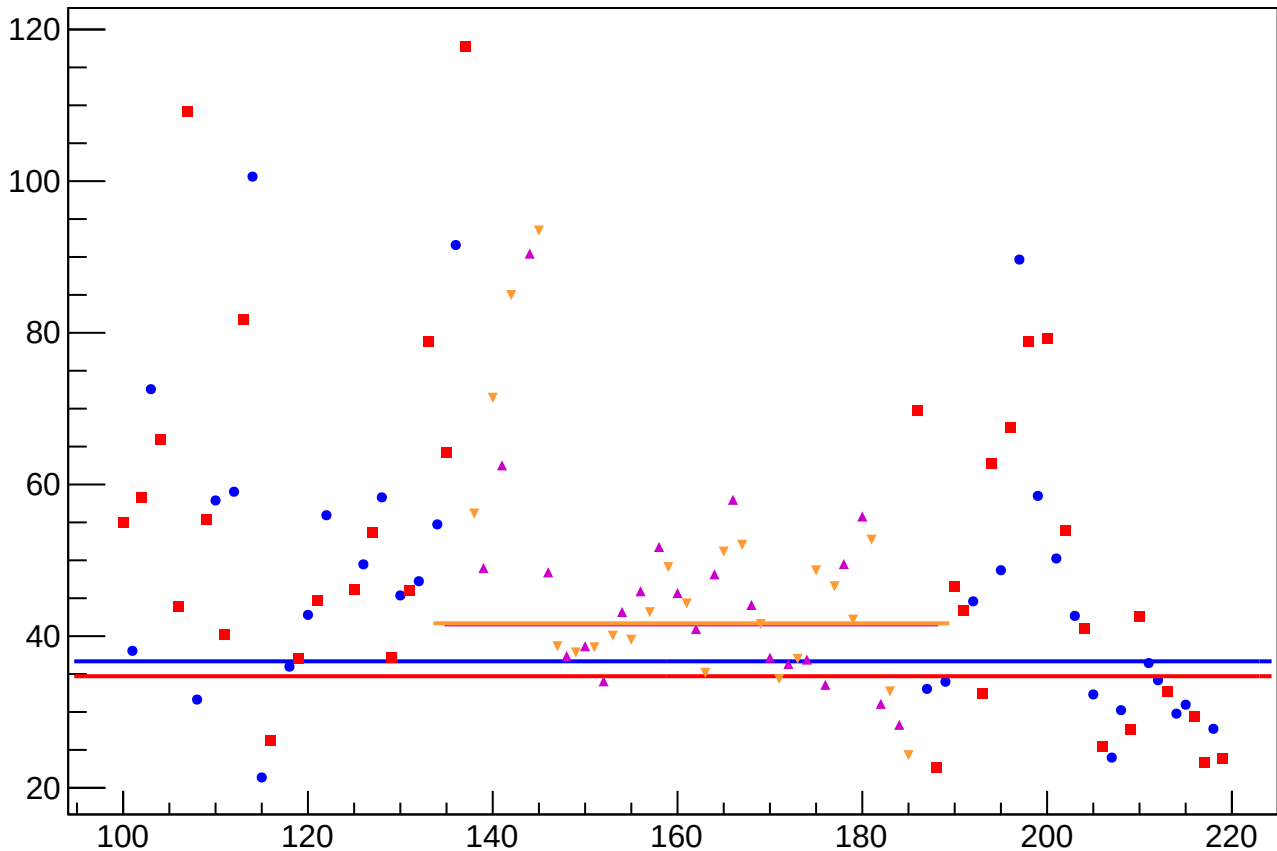
Left In: 0.009 ± 0.010 χ^2/NDF : 21.9/22

+ sign -0.004 ± 0.007 χ^2/NDF : 64.7/55

All: 0.000 ± 0.005 χ^2/NDF : 136.6/114

- sign 0.004 ± 0.007 χ^2/NDF : 71.3/58

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.680 ± 0.007 χ^2/NDF : 3452390.6/31

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

Right Out: 34.716 ± 0.006 χ^2/NDF : 5314076.9/35

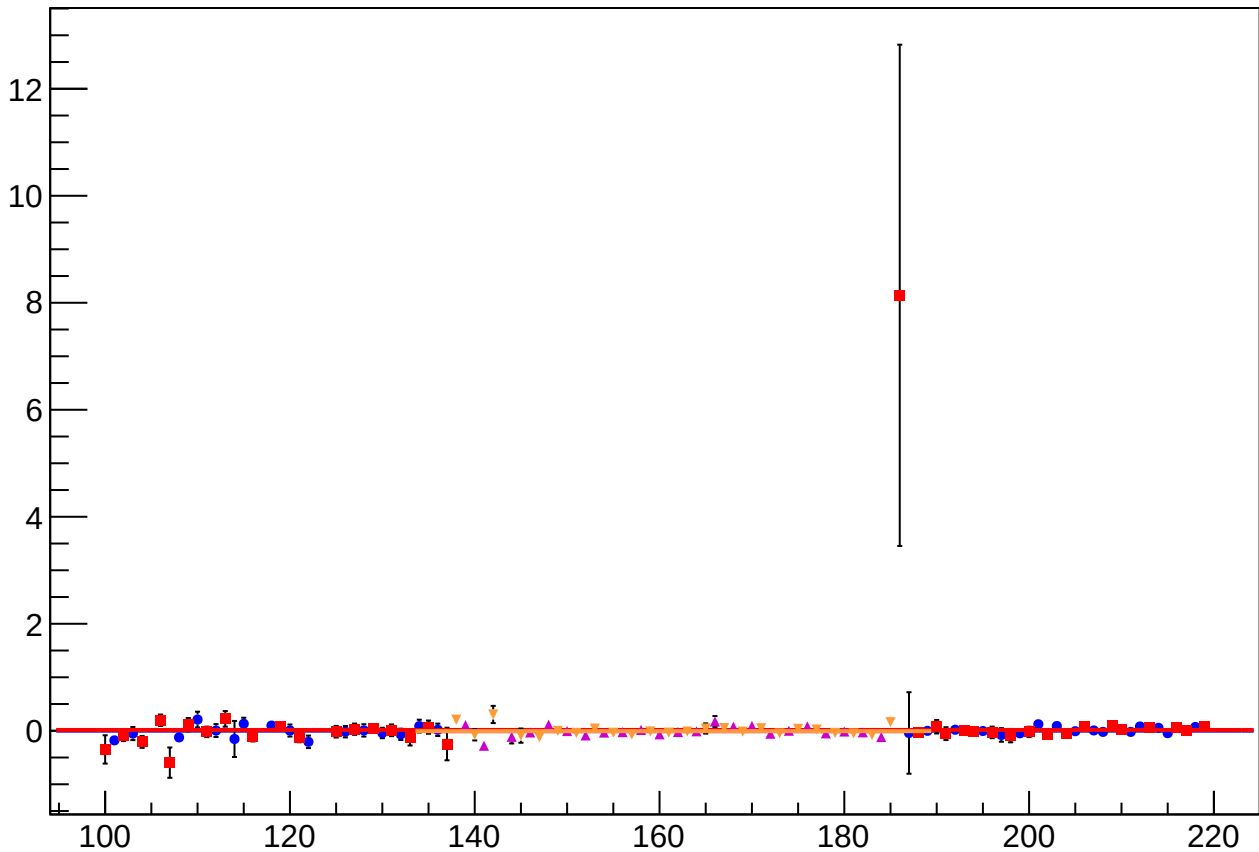
Left In: 41.550 ± 0.007 χ^2/NDF : 1612979.7/22

+ sign 38.912 ± 0.005 χ^2/NDF : 5527645.9/55

All: 38.232 ± 0.003 χ^2/NDF : 12984393.3/114

- sign 37.590 ± 0.005 χ^2/NDF : 7420015.8/58

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.002 ± 0.014 χ^2/NDF : 29.8/31

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

Right Out: 0.015 ± 0.014 χ^2/NDF : 39.3/35

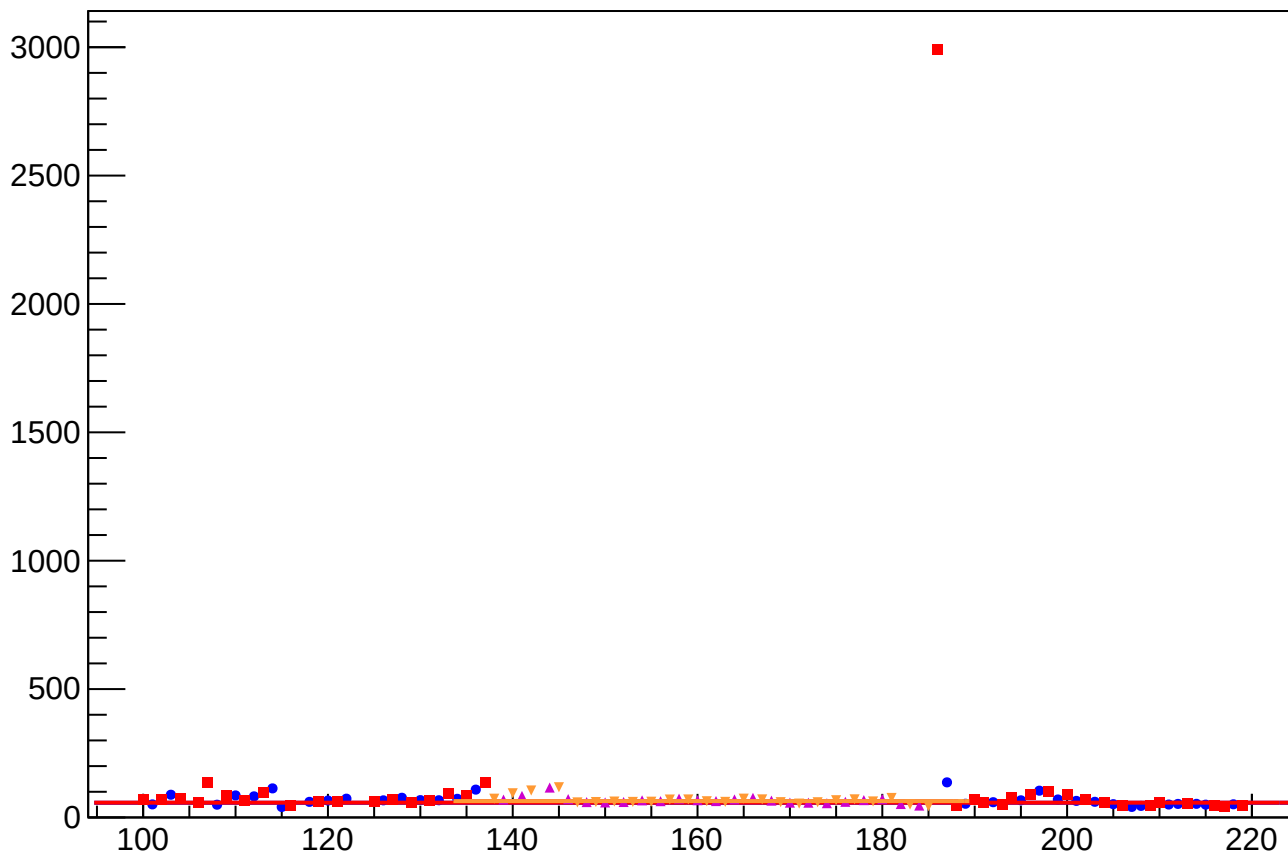
Left In: -0.008 ± 0.015 χ^2/NDF : 28.1/22

+ sign -0.002 ± 0.010 χ^2/NDF : 53.7/55

All: 0.002 ± 0.007 χ^2/NDF : 122.6/114

- sign 0.005 ± 0.010 χ^2/NDF : 68.7/58

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 57.071 $\pm$ 0.010 χ^2 /NDF: 1928161.8/31

Left Out: 63.779 $\pm$ 0.011 χ^2 /NDF:1078823.1/23

Right Out: 57.624 $\pm$ 0.010 χ^2 /NDF: 3173784.3/35

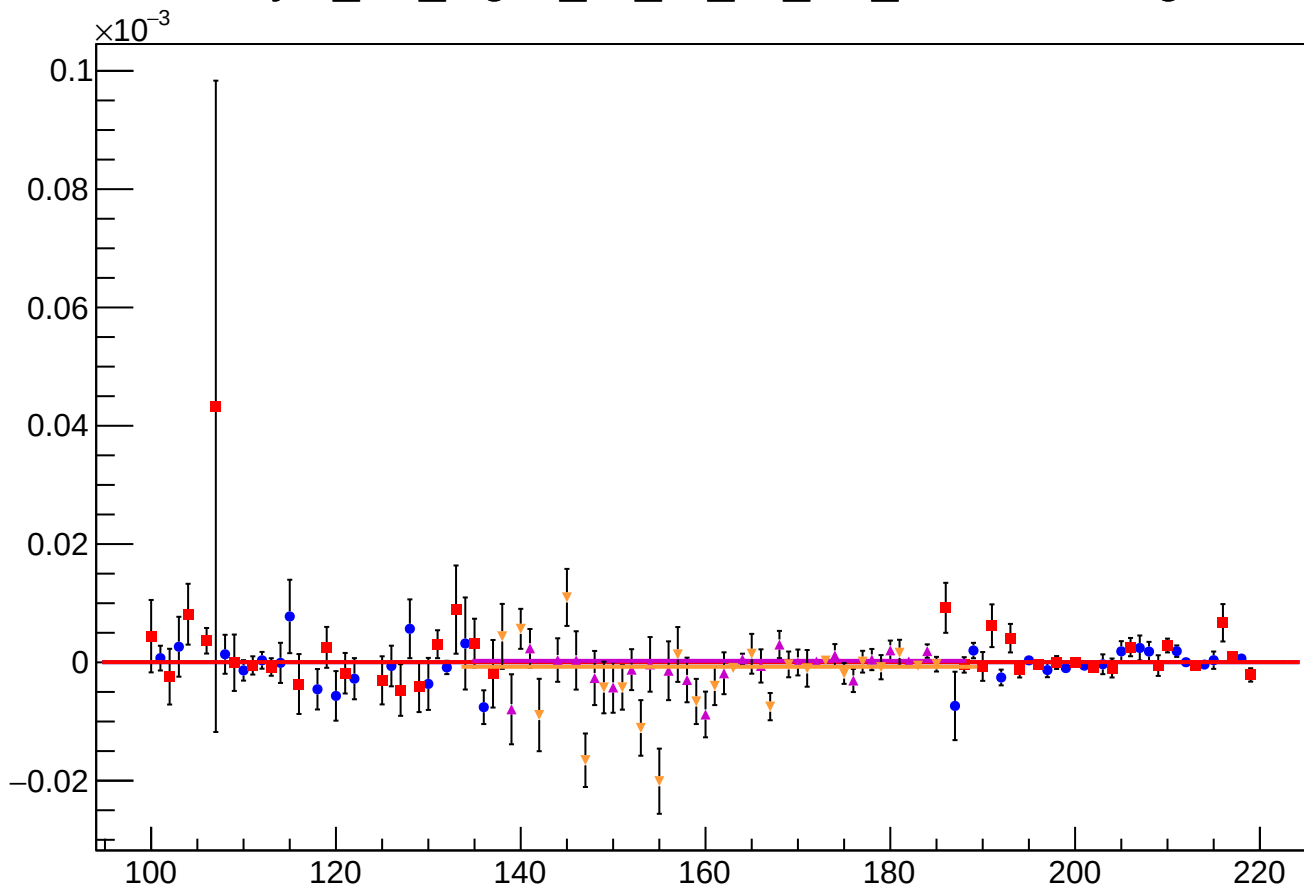
Left In: 64.036 $\pm$ 0.011 χ^2 /NDF:838789.3/22

+ sign 60.036 $\pm$ 0.007 χ^2 /NDF: 3218475.5/55

All: 60.226 $\pm$ 0.005 χ^2 /NDF: 7425901.2/114

- sign 60.415 $\pm$ 0.007 χ^2 /NDF: 4206055.4/58

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 42.4/31

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

Right Out: 0.000 ± 0.000 χ^2/NDF : 55.3/35

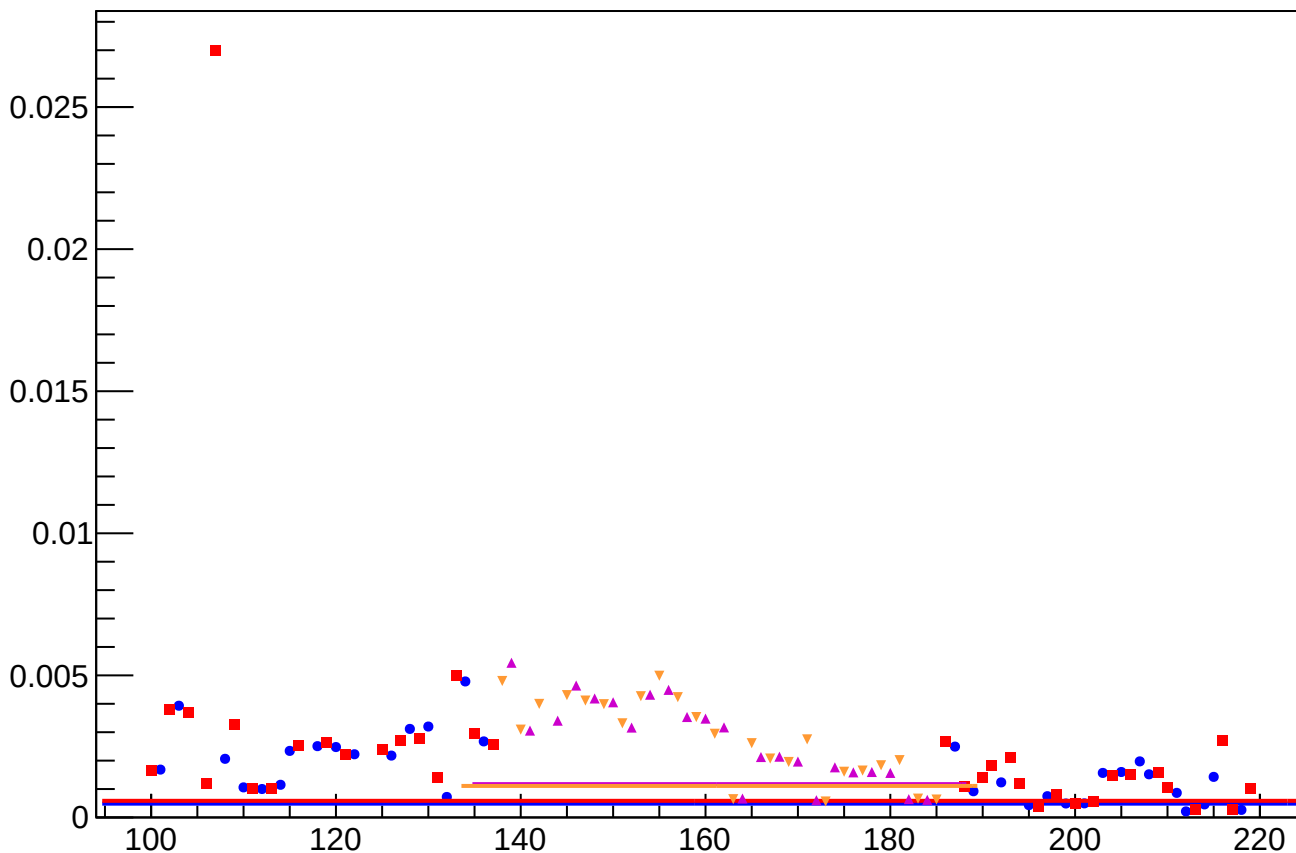
Left In: 0.000 ± 0.000 χ^2/NDF : 18.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 106.6/55

All: -0.000 ± 0.000 χ^2/NDF : 181.8/114

- sign 0.000 ± 0.000 χ^2/NDF : 74.4/58

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16693617.9/31

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:15160045.8/23

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 17136999.5/35

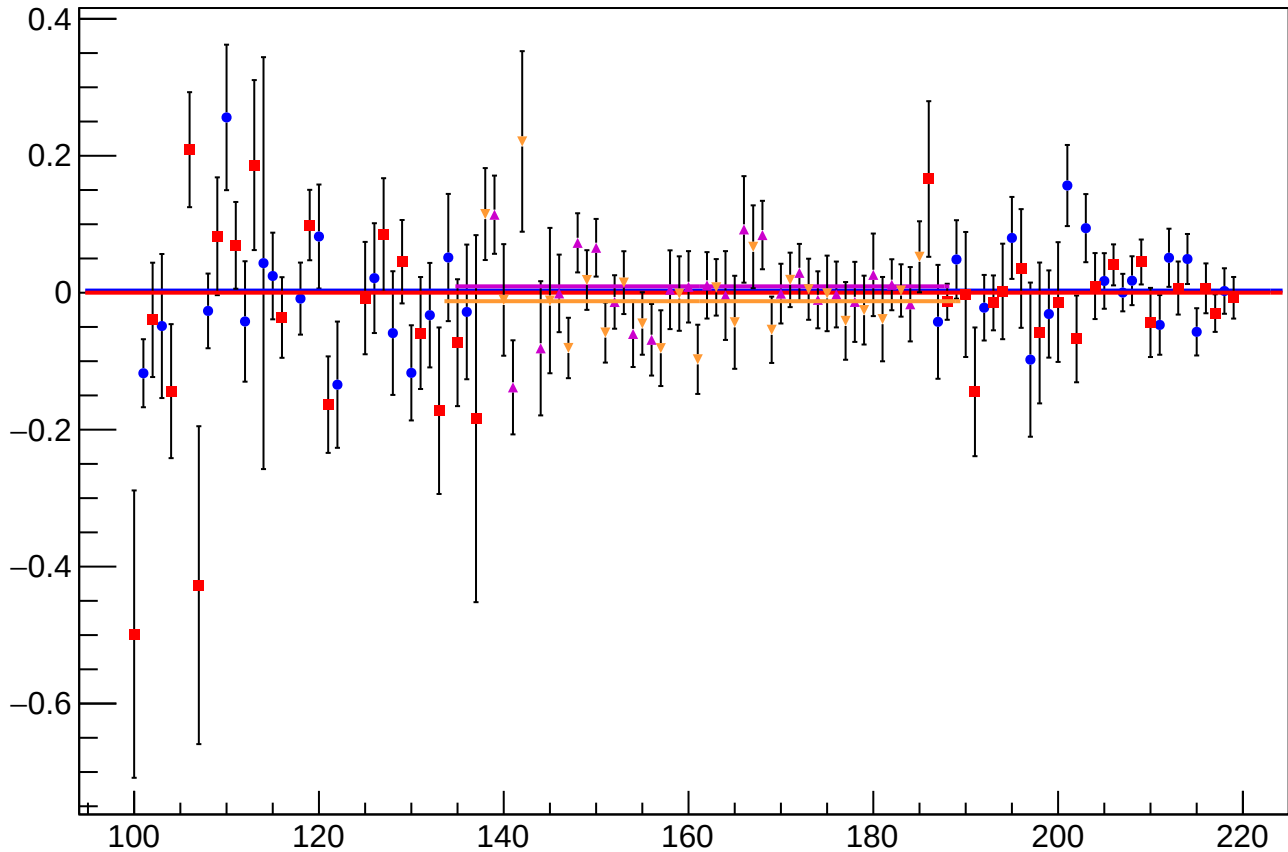
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:14252589.1/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 37395066.9/55

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 73628439.4/114

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 35661988.6/58

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.009 χ^2/NDF : 41.5/31

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

Right Out: 0.000 ± 0.009 χ^2/NDF : 49.0/35

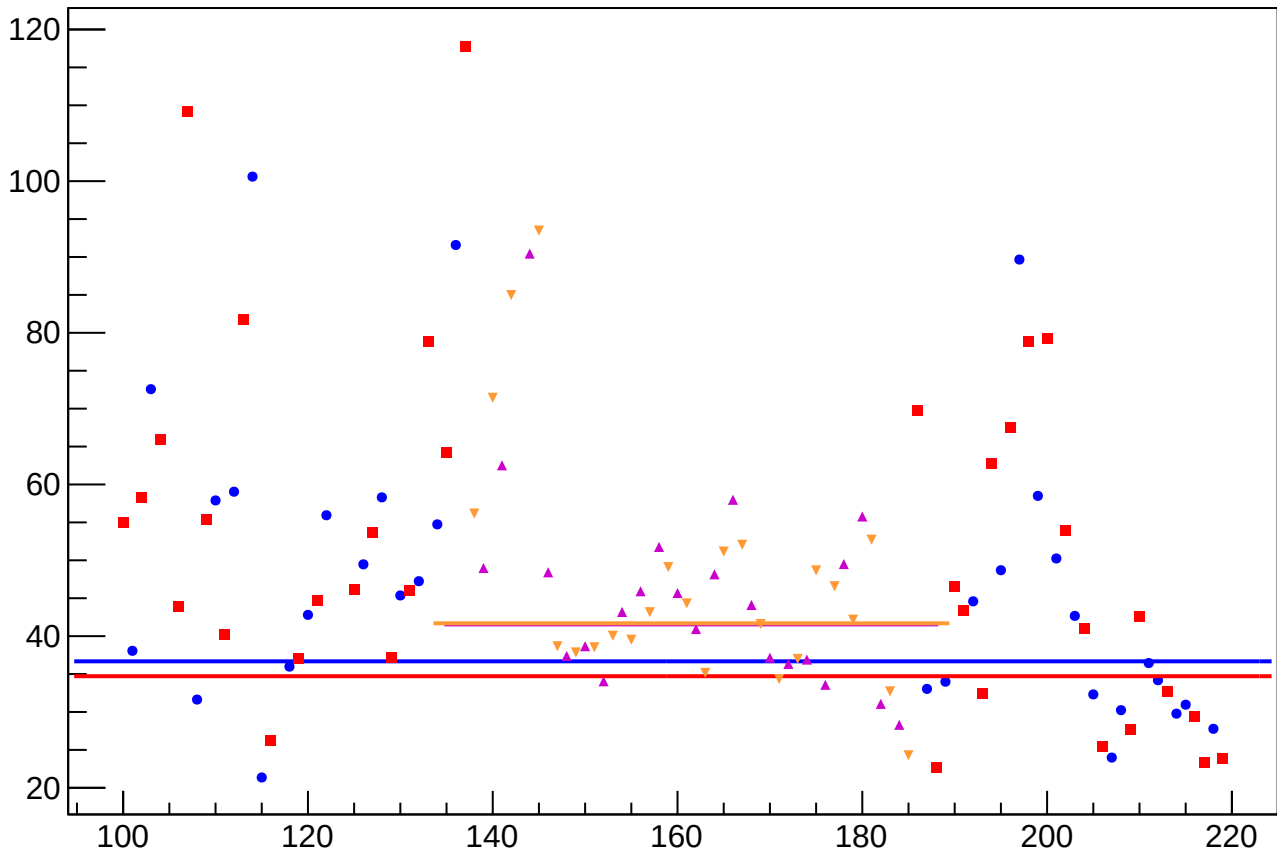
Left In: 0.009 ± 0.010 χ^2/NDF : 21.9/22

+ sign -0.004 ± 0.007 χ^2/NDF : 64.7/55

All: 0.000 ± 0.005 χ^2/NDF : 136.6/114

- sign 0.004 ± 0.007 χ^2/NDF : 71.3/58

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.680 ± 0.007 χ^2/NDF : 3452367.3/31

Left Out: 41.695 ± 0.007 χ^2/NDF : 1821753.6/23

Right Out: 34.716 ± 0.006 χ^2/NDF : 5313905.6/35

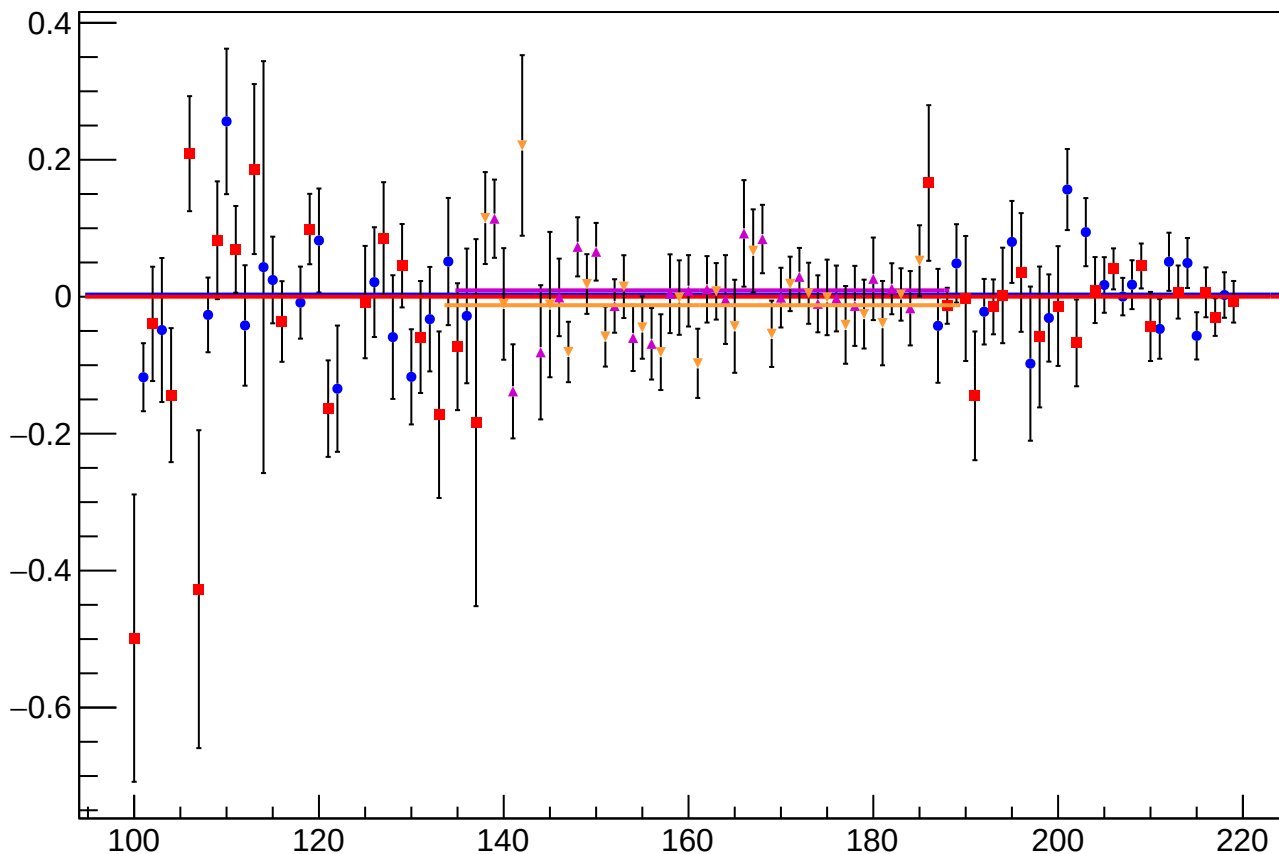
Left In: 41.551 ± 0.007 χ^2/NDF : 1612941.1/22

+ sign 38.912 ± 0.005 χ^2/NDF : 5527615.5/55

All: 38.232 ± 0.003 χ^2/NDF : 12984164.0/114

- sign 37.590 ± 0.005 χ^2/NDF : 7419828.5/58

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.009 χ^2/NDF : 41.5/31

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

Right Out: 0.000 ± 0.009 χ^2/NDF : 49.0/35

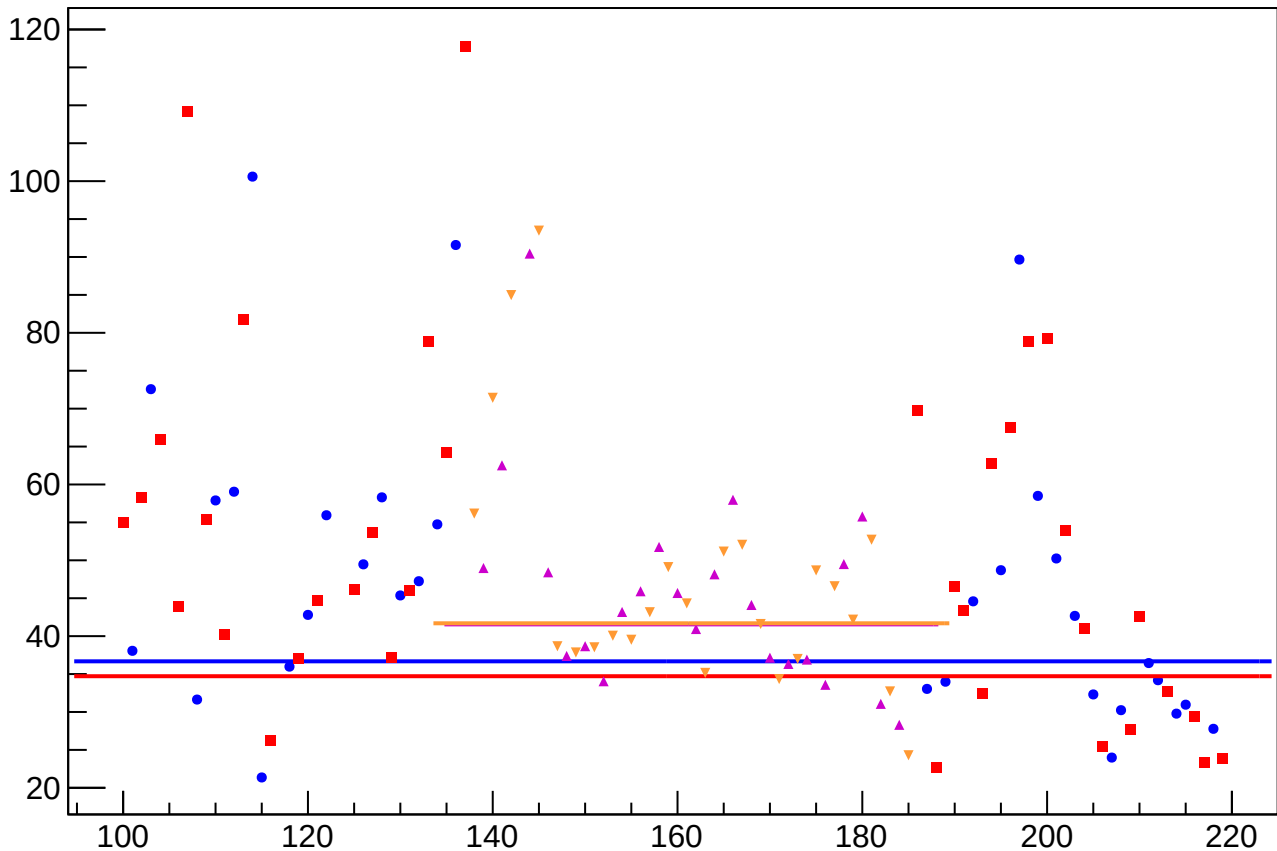
Left In: 0.009 ± 0.010 χ^2/NDF : 21.9/22

+ sign -0.004 ± 0.007 χ^2/NDF : 64.7/55

All: 0.000 ± 0.005 χ^2/NDF : 136.6/114

- sign 0.004 ± 0.007 χ^2/NDF : 71.3/58

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.680 ± 0.007 χ^2/NDF : 3452367.3/31

Left Out: 41.695 ± 0.007 χ^2/NDF : 1821753.6/23

Right Out: 34.716 ± 0.006 χ^2/NDF : 5313905.6/35

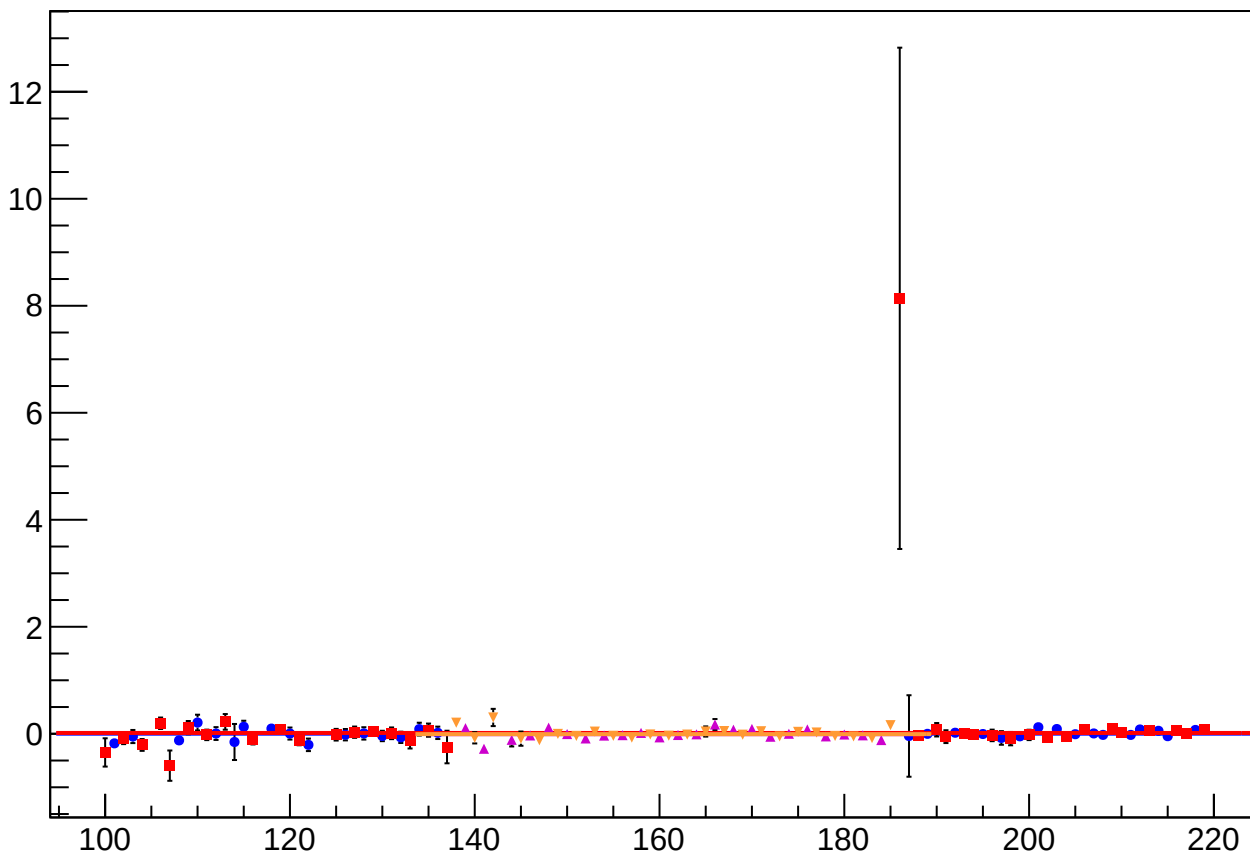
Left In: 41.551 ± 0.007 χ^2/NDF : 1612941.1/22

+ sign 38.912 ± 0.005 χ^2/NDF : 5527615.5/55

All: 38.232 ± 0.003 χ^2/NDF : 12984164.0/114

- sign 37.590 ± 0.005 χ^2/NDF : 7419828.5/58

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.002 ± 0.014 χ^2/NDF : 29.8/31

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

Right Out: 0.015 ± 0.014 χ^2/NDF : 39.3/35

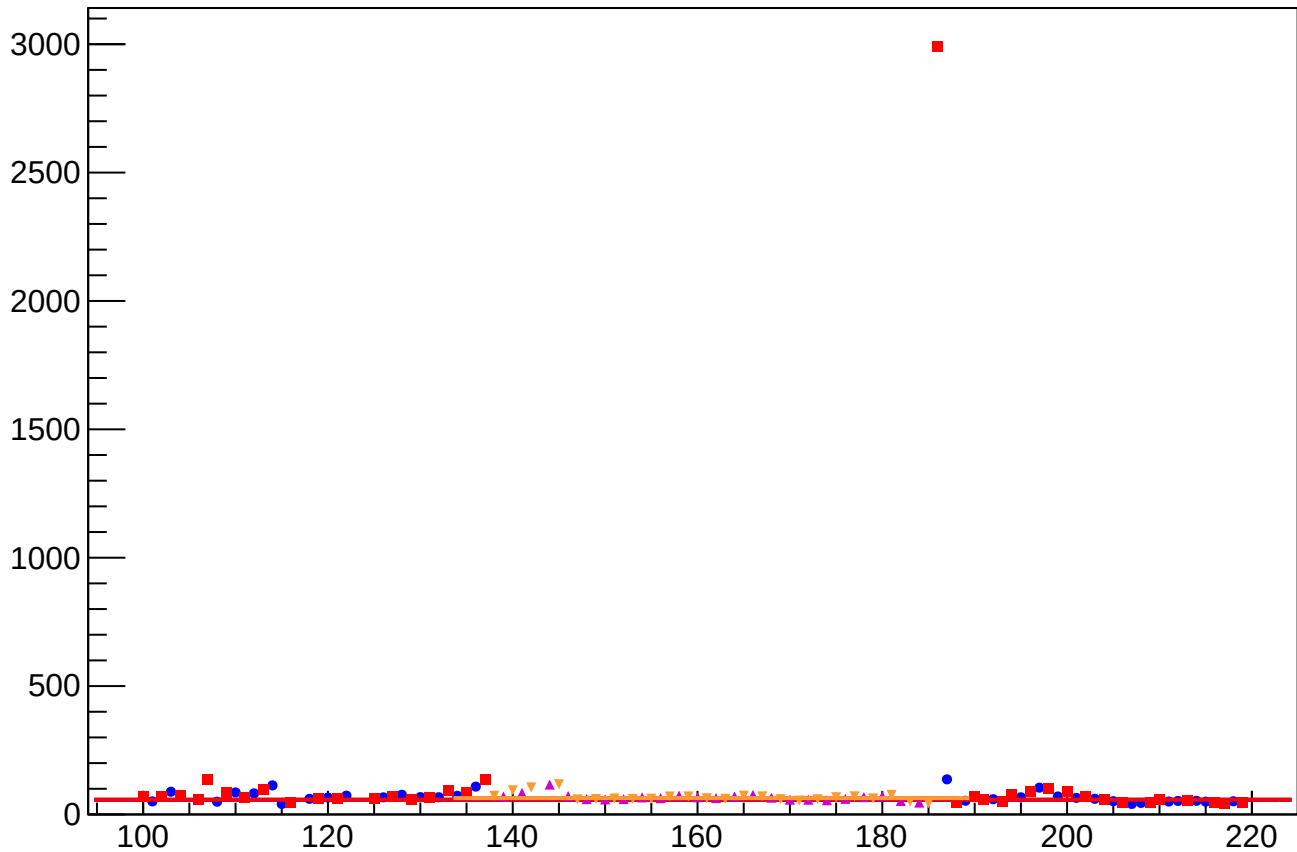
Left In: -0.008 ± 0.015 χ^2/NDF : 28.1/22

+ sign -0.002 ± 0.010 χ^2/NDF : 53.7/55

All: 0.002 ± 0.007 χ^2/NDF : 122.6/114

- sign 0.005 ± 0.010 χ^2/NDF : 68.7/58

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 57.071 $\pm$ 0.010 χ^2 /NDF: 1928154.4/31

Left Out: 63.779 $\pm$ 0.011 χ^2 /NDF: 1078810.5/23

Right Out: 57.624 $\pm$ 0.010 χ^2 /NDF: 3173762.4/35

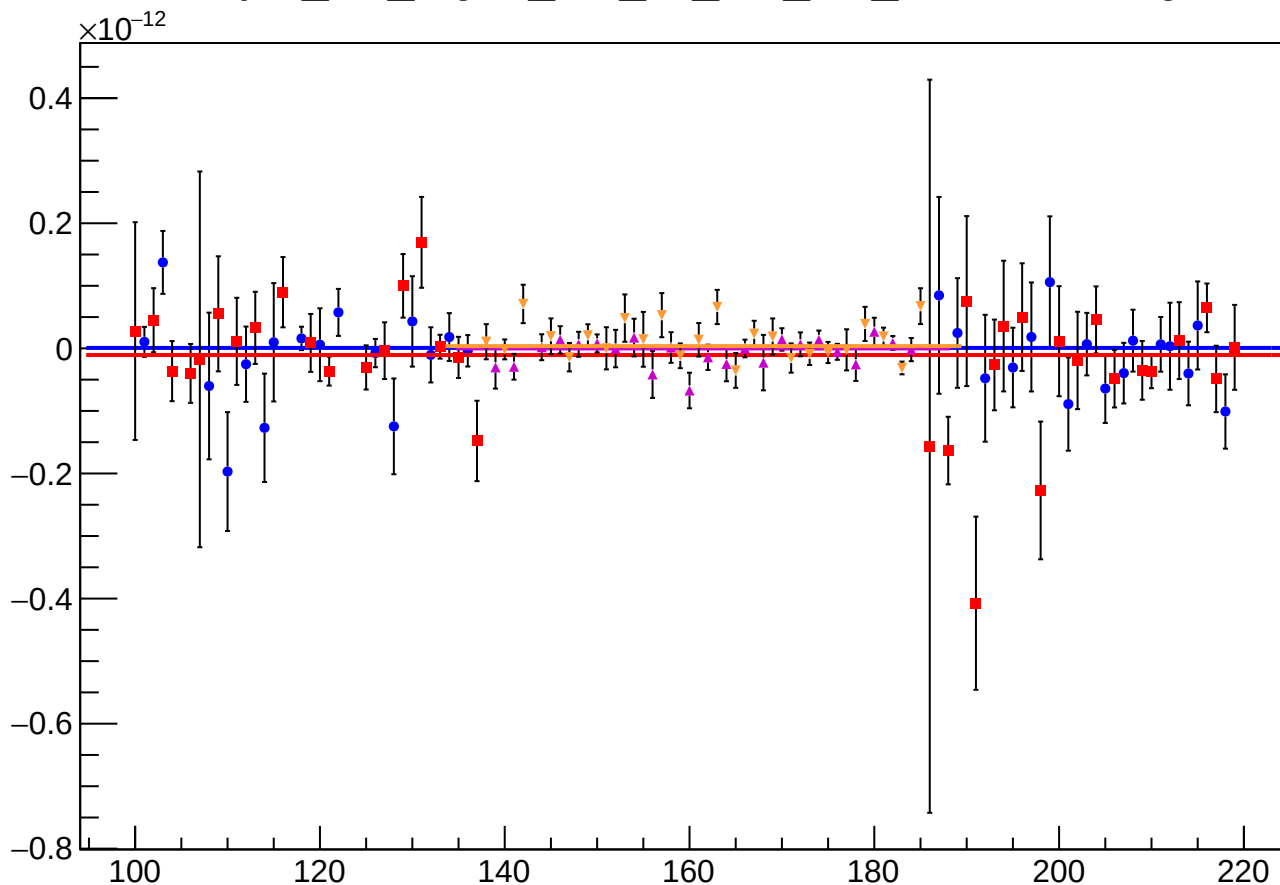
Left In: 64.036 $\pm$ 0.011 χ^2 /NDF: 838784.5/22

+ sign 60.036 $\pm$ 0.007 χ^2 /NDF: 3218469.5/55

All: 60.226 $\pm$ 0.005 χ^2 /NDF: 7425890.3/114

- sign 60.415 $\pm$ 0.007 χ^2 /NDF: 4206050.8/58

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 30.3/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 40.6/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 52.9/35

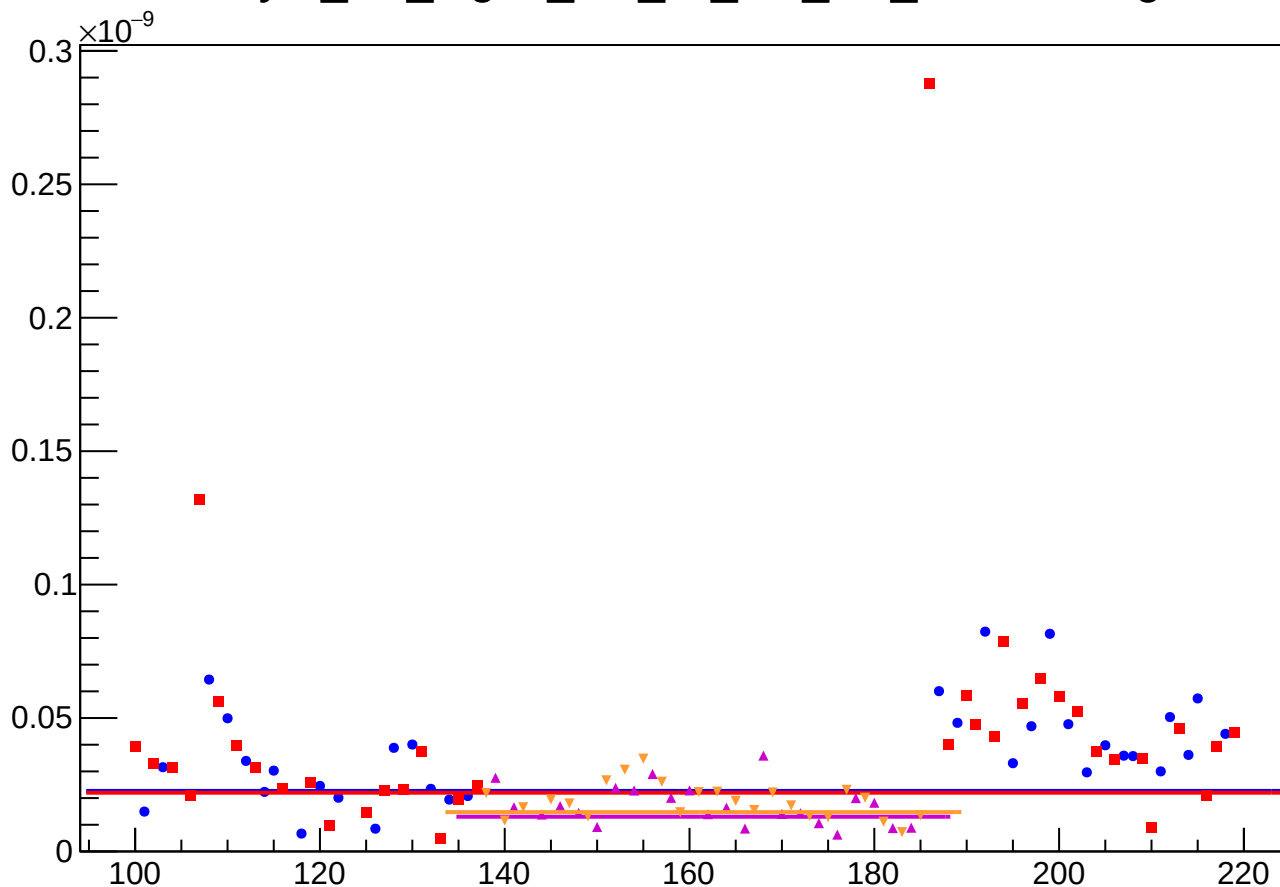
Left In: -0.000 ± 0.000 χ^2/NDF : 17.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 70.9/55

All: 0.000 ± 0.000 χ^2/NDF : 143.3/114

- sign -0.000 ± 0.000 χ^2/NDF : 71.4/58

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7072473.0/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3531388.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7848785.8/35

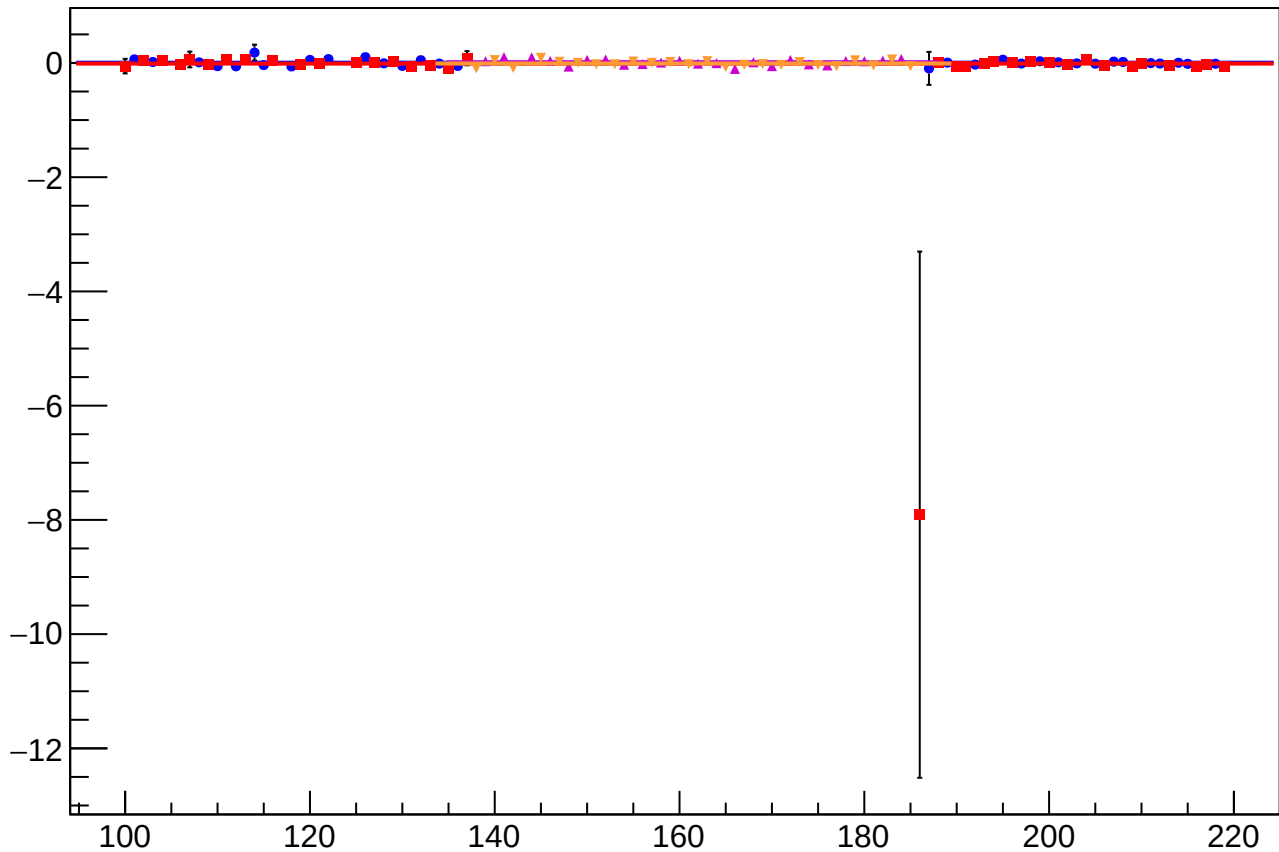
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3925910.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12136056.1/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 26168071.2/114

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13815089.9/58

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.007 χ^2 /NDF: 20.7/31

Left Out: -0.010 $\pm$ 0.009 χ^2 /NDF: 19.4/23

Right Out: -0.012 $\pm$ 0.007 χ^2 /NDF: 36.3/35

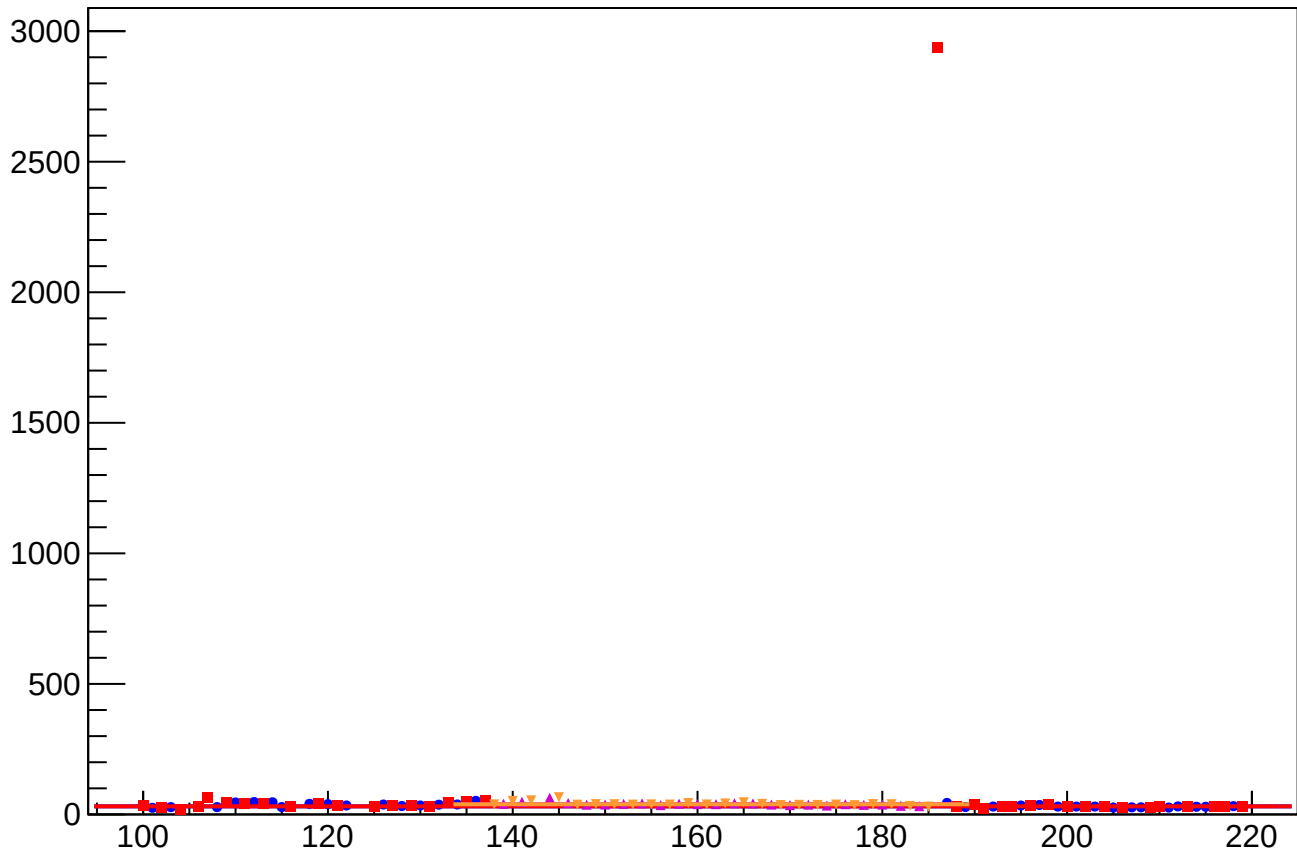
Left In: 0.011 $\pm$ 0.010 χ^2 /NDF: 23.3/22

+ sign -0.001 $\pm$ 0.006 χ^2 /NDF: 41.7/55

All: -0.002 $\pm$ 0.004 χ^2 /NDF: 105.0/114

- sign -0.003 $\pm$ 0.006 χ^2 /NDF: 63.2/58

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.948 $\pm$ 0.005 χ^2 /NDF: 972518.8/31

Left Out: 38.972 $\pm$ 0.007 χ^2 /NDF: 624525.1/23

Right Out: 31.120 $\pm$ 0.005 χ^2 /NDF: 2010317.1/35

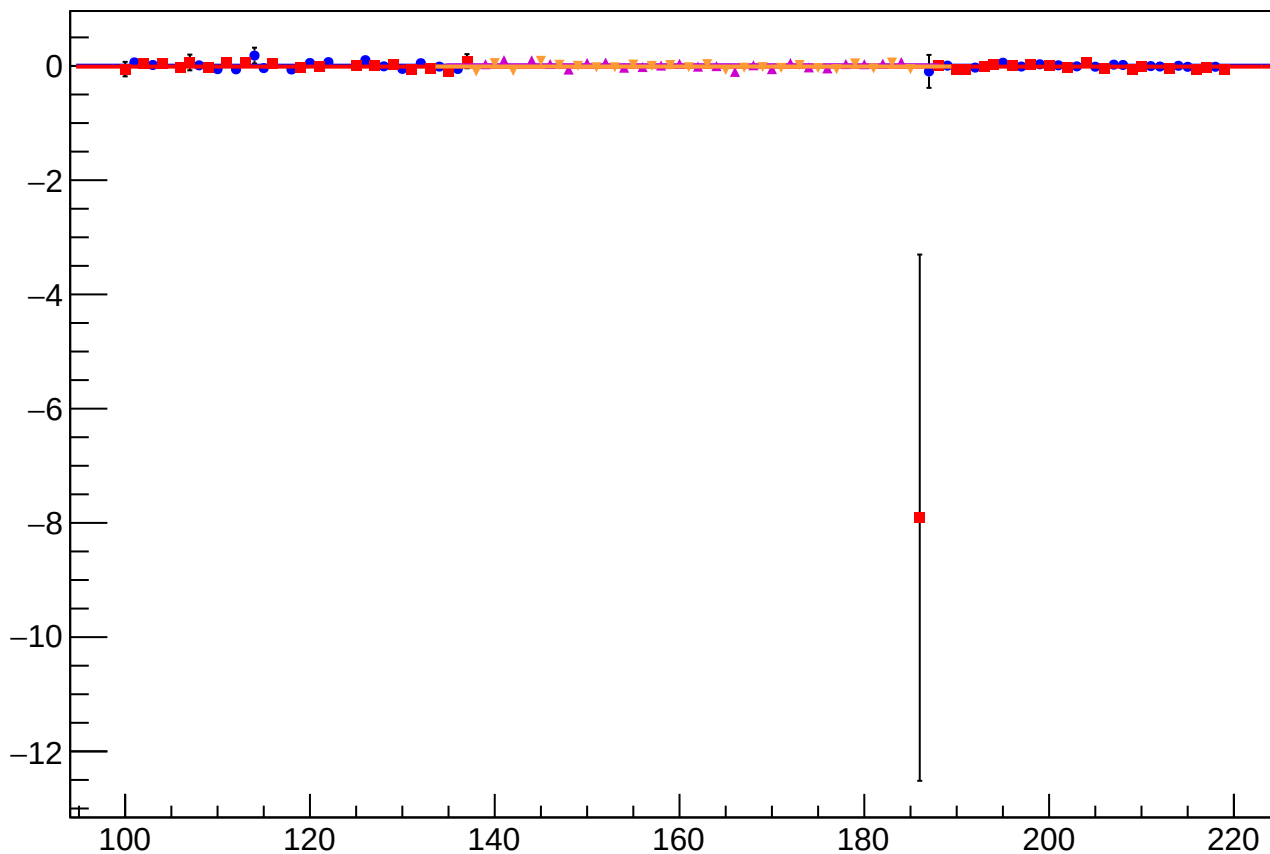
Left In: 39.179 $\pm$ 0.007 χ^2 /NDF: 521827.1/22

+ sign 33.958 $\pm$ 0.004 χ^2 /NDF: 2495417.4/55

All: 34.002 $\pm$ 0.003 χ^2 /NDF: 5932997.0/114

- sign 34.046 $\pm$ 0.004 χ^2 /NDF: 3437351.3/58

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.007 χ^2/NDF : 20.7/31

Left Out: -0.010 ± 0.009 χ^2/NDF : 19.4/23

Right Out: -0.012 ± 0.007 χ^2/NDF : 36.3/35

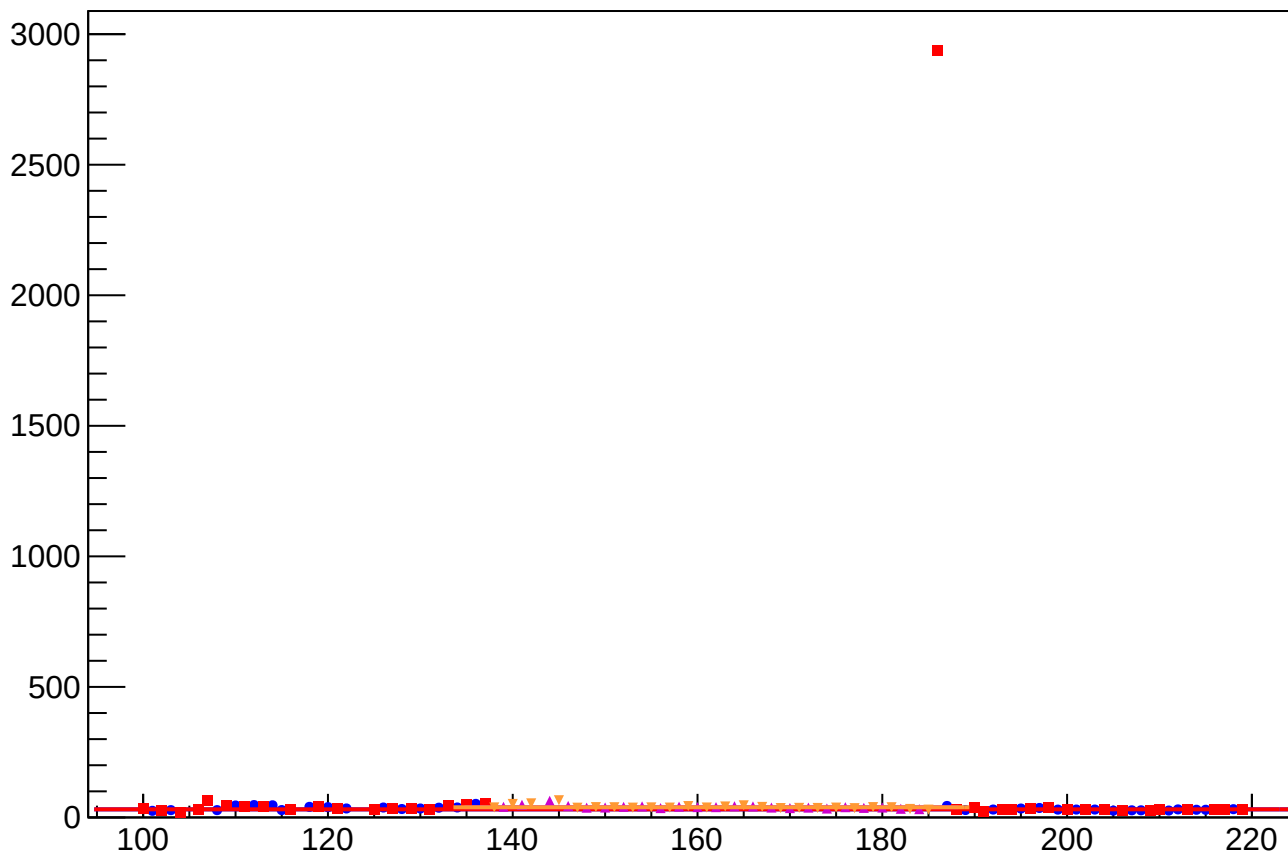
Left In: 0.011 ± 0.010 χ^2/NDF : 23.3/22

+ sign -0.001 ± 0.006 χ^2/NDF : 41.7/55

All: -0.002 ± 0.004 χ^2/NDF : 105.0/114

- sign -0.003 ± 0.006 χ^2/NDF : 63.2/58

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 30.948+/-0.005 χ^2/NDF : 972518.8/31

Left Out: 38.972+/-0.007 χ^2/NDF : 624525.1/23

Right Out: 31.120+/-0.005 χ^2/NDF : 2010317.1/35

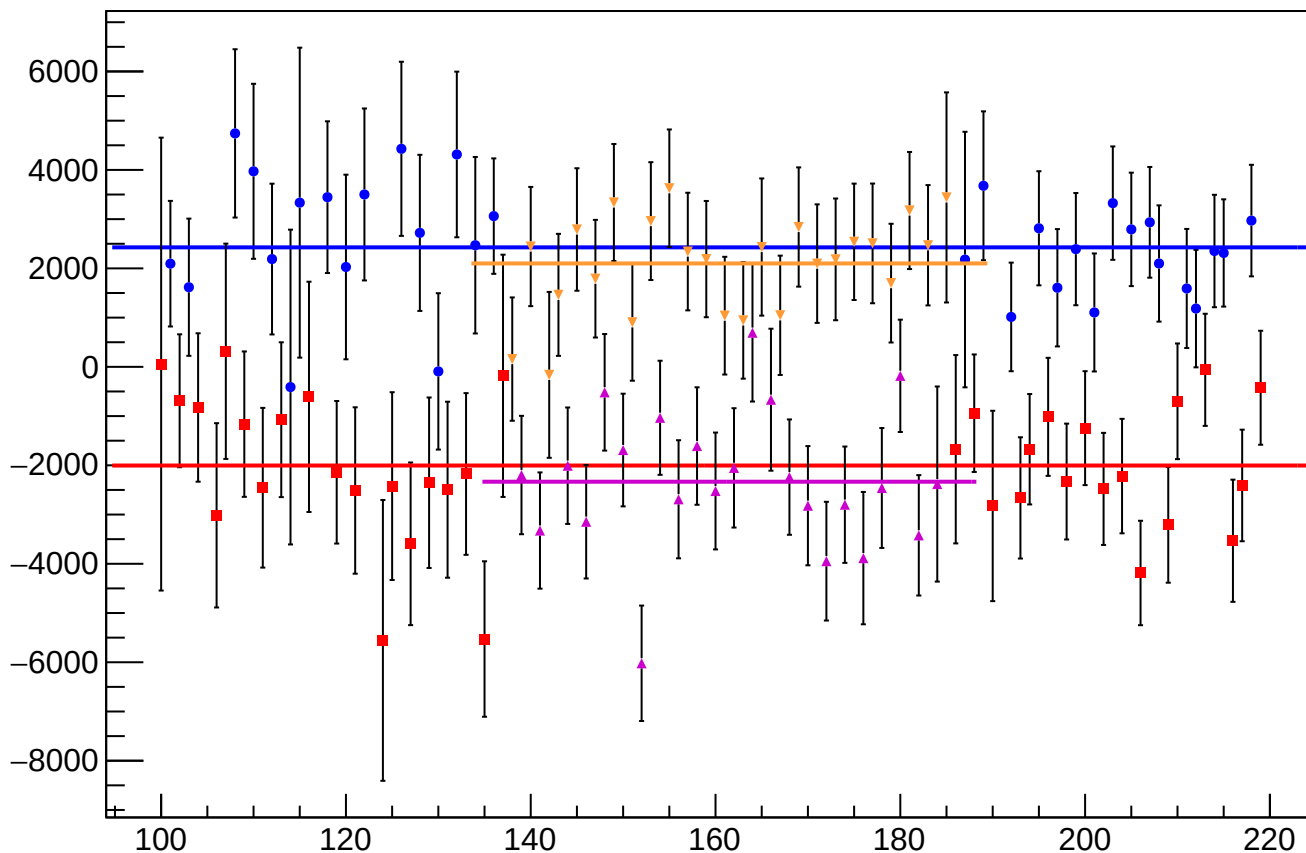
Left In: 39.179+/-0.007 χ^2/NDF : 521827.1/22

+ sign 33.958+/-0.004 χ^2/NDF : 2495417.4/55

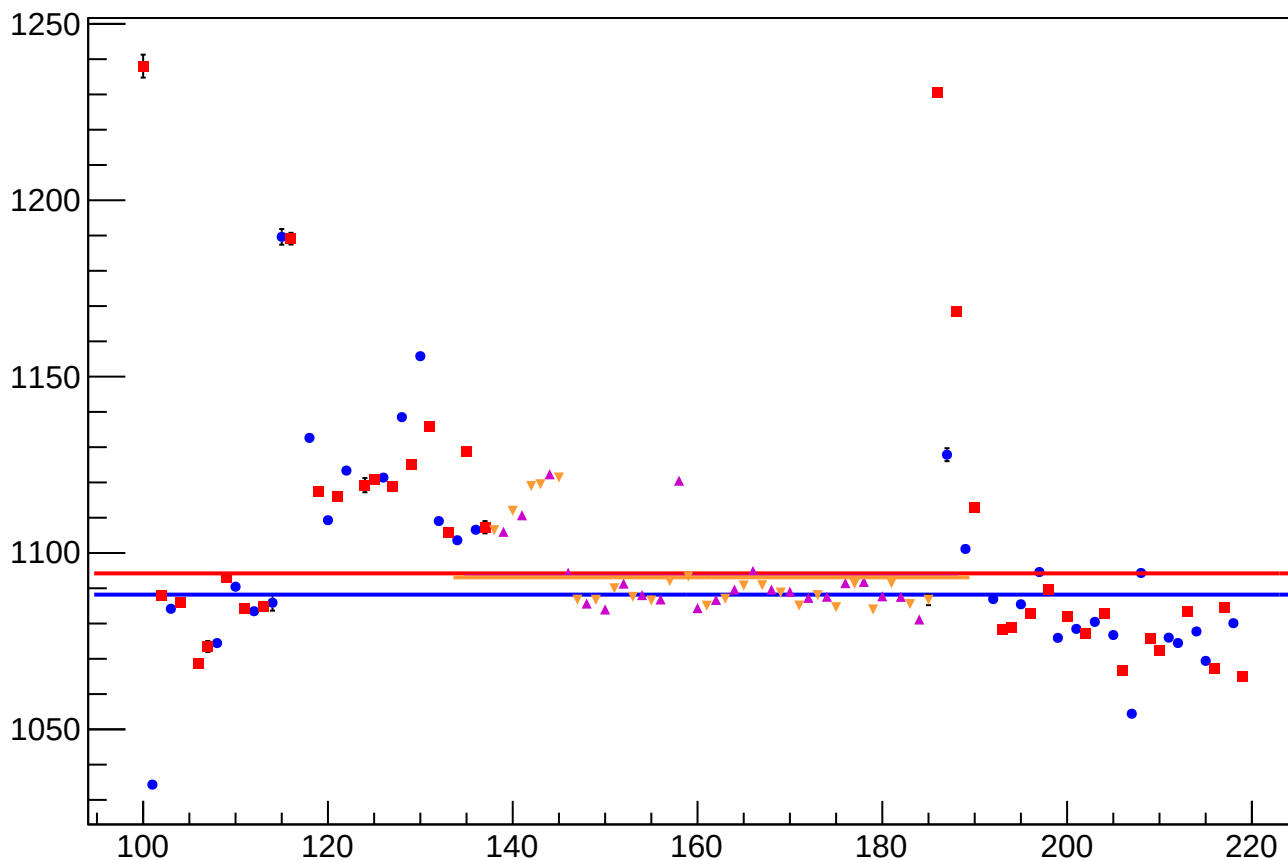
All: 34.002+/-0.003 χ^2/NDF : 5932997.0/114

- sign 34.046+/-0.004 χ^2/NDF : 3437351.3/58

reg_asym_usr_mean vs Slug



reg_asym_usr_rms vs Slug



Right In: 1088.194 $\pm$ 0.171 χ^2 /NDF: 20355.8/31

Left Out: 1093.102 $\pm$ 0.176 χ^2 /NDF: 3983.2/24

Right Out: 1094.217 $\pm$ 0.168 χ^2 /NDF: 35683.0/35

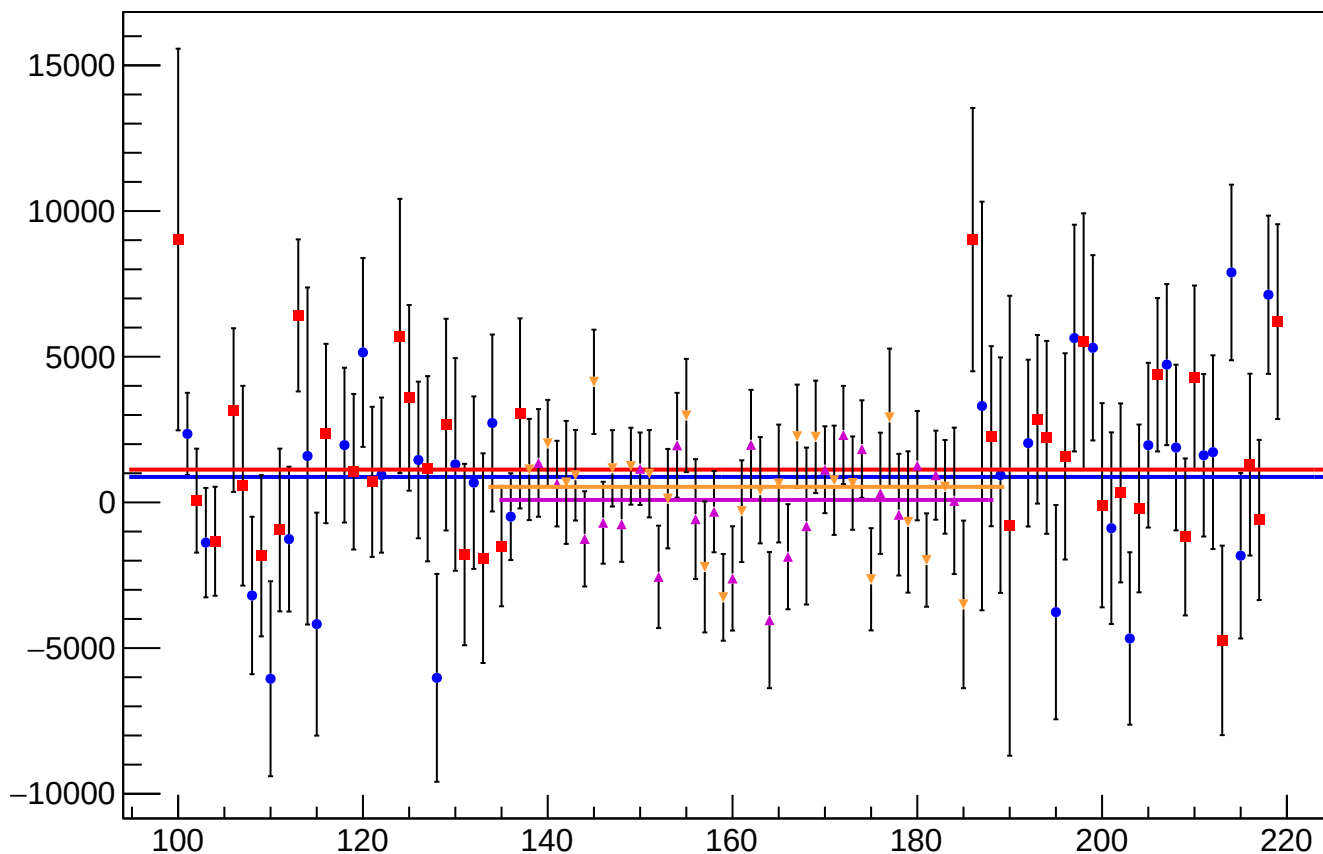
Left In: 1093.338 $\pm$ 0.181 χ^2 /NDF: 3725.7/22

+ sign 1090.586 $\pm$ 0.123 χ^2 /NDF: 24739.6/56

All: 1092.194 $\pm$ 0.087 χ^2 /NDF: 64506.3/115

- sign 1093.810 $\pm$ 0.123 χ^2 /NDF: 39421.4/58

asym_usr_reg_correction_mean vs Slug



Right In: 873.353 ± 485.926 χ^2/NDF : 41.6/31

Left Out: 532.982 ± 347.223 χ^2/NDF : 26.4/24

Right Out: 1125.201 ± 494.723 χ^2/NDF : 29.7/35

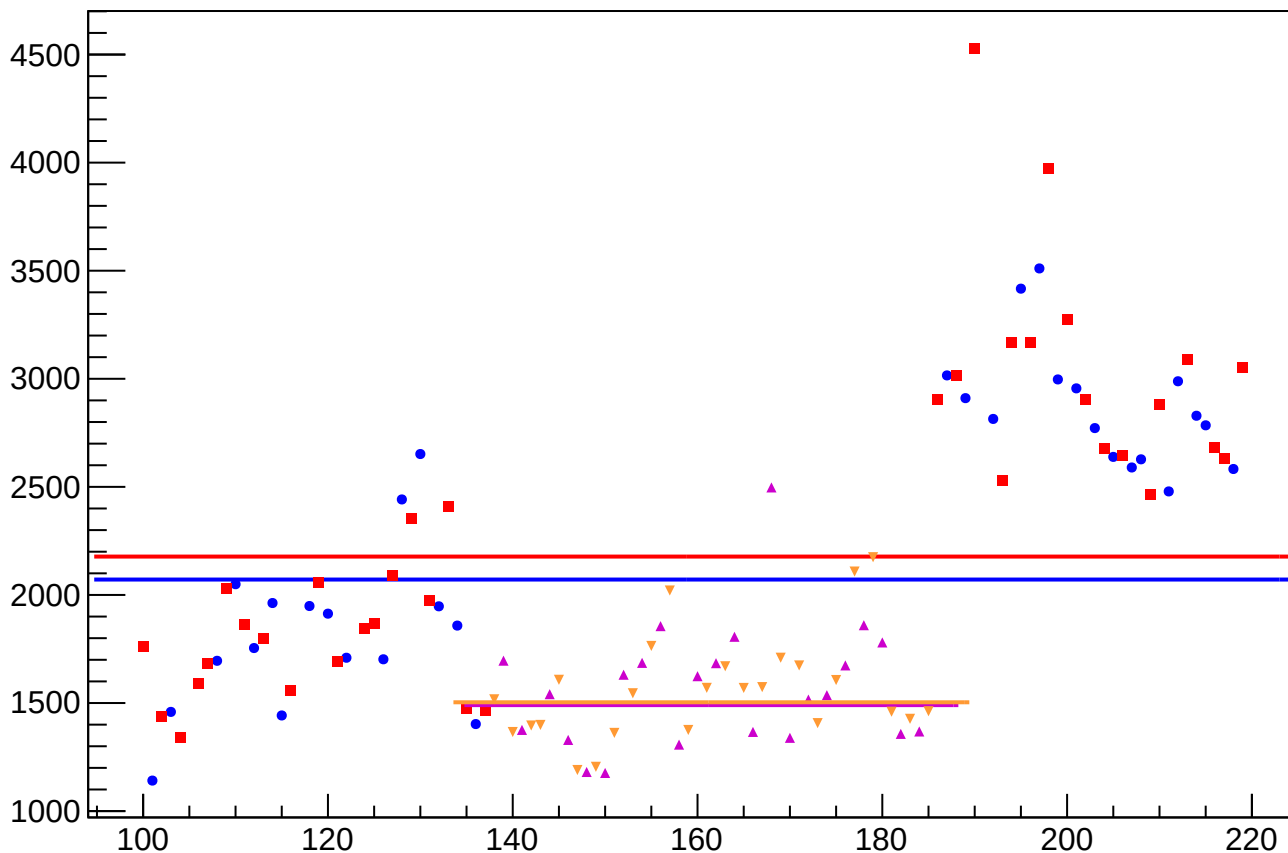
Left In: 85.329 ± 353.933 χ^2/NDF : 18.1/22

+ sign 648.031 ± 282.510 χ^2/NDF : 68.4/56

All: 544.676 ± 201.627 χ^2/NDF : 119.4/115

- sign 437.374 ± 287.853 χ^2/NDF : 50.7/58

asym_usr_reg_correction_rms vs Slug



Right In: 2071.257 $\pm$ 0.344 χ^2 /NDF: 3752927.9/31

Left Out: 1503.437 $\pm$ 0.246 χ^2 /NDF: 799670.9/24

Right Out: 2177.518 $\pm$ 0.350 χ^2 /NDF: 3521168.6/35

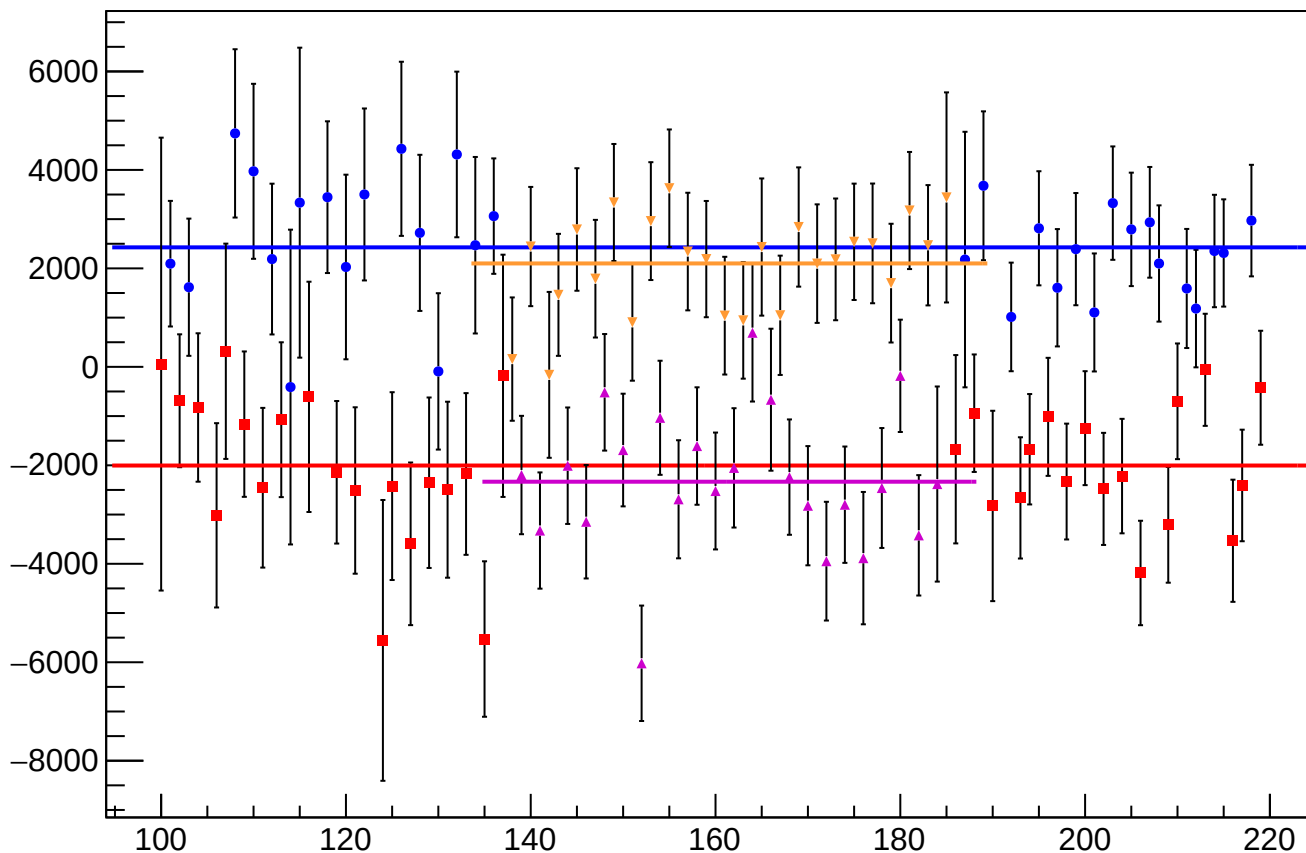
Left In: 1490.314 $\pm$ 0.250 χ^2 /NDF: 968221.5/22

+ sign 1695.365 $\pm$ 0.200 χ^2 /NDF: 6360455.9/56

All: 1708.907 $\pm$ 0.143 χ^2 /NDF: 13411772.7/134

- sign 1722.965 $\pm$ 0.204 χ^2 /NDF: 7041951.7/58

cor_asym_usr_mean vs Slug



Right In: 2427.042 ± 242.057 $\chi^2/\text{NDF}: 17.1/31$

Left Out: 2100.398 ± 248.306 $\chi^2/\text{NDF}: 13.8/24$

Right Out: -2004.139 ± 237.075 $\chi^2/\text{NDF}: 28.3/35$

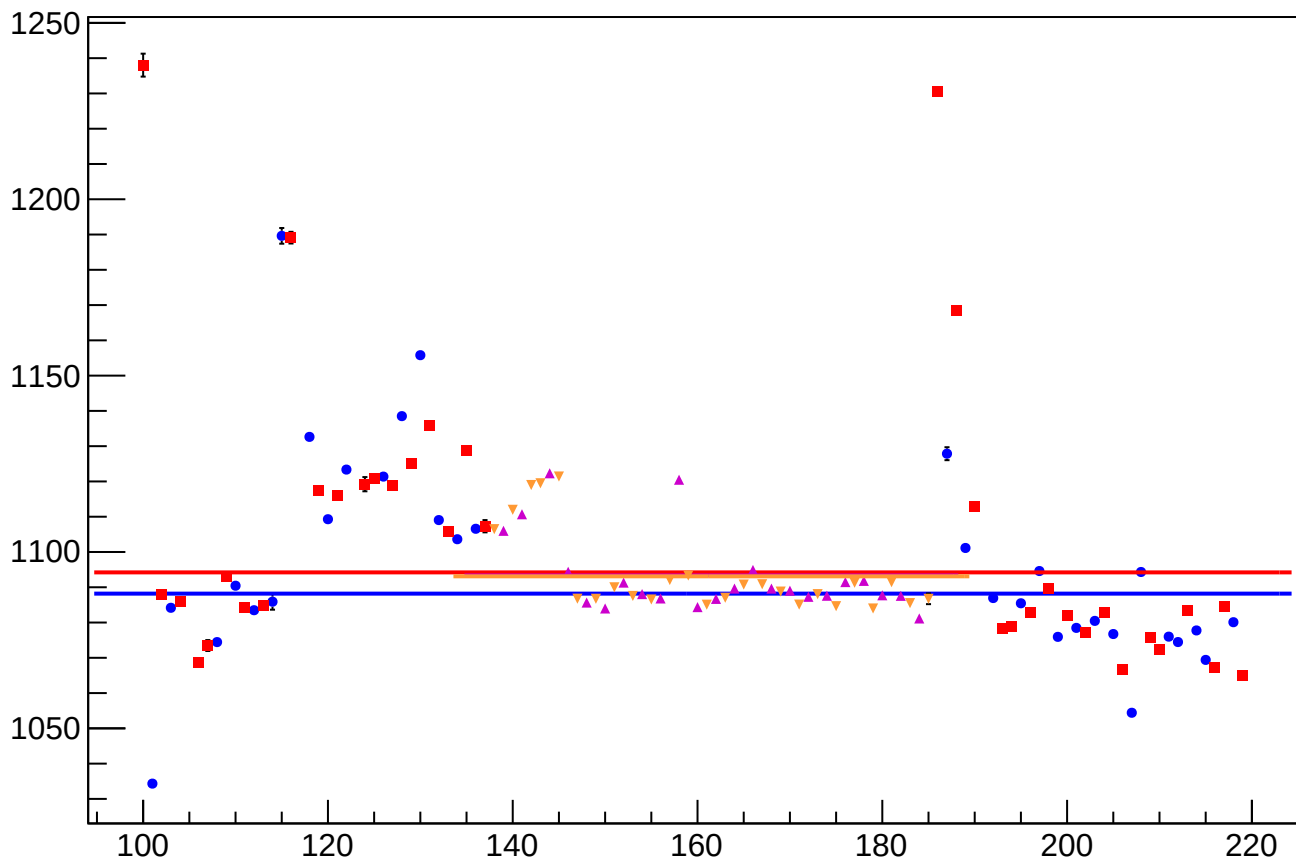
Left In: -2332.954 ± 255.284 $\chi^2/\text{NDF}: 29.5/22$

+ sign 2267.882 ± 173.327 $\chi^2/\text{NDF}: 31.8/56$

All: 60.724 ± 122.699 $\chi^2/\text{NDF}: 415.5/115$

- sign -2156.402 ± 173.718 $\chi^2/\text{NDF}: 58.7/58$

cor_asym_usr_rms vs Slug



Right In: 1088.194 $\pm$ 0.171 χ^2 /NDF: 20355.8/31

Left Out: 1093.102 $\pm$ 0.176 χ^2 /NDF: 3983.2/24

Right Out: 1094.217 $\pm$ 0.168 χ^2 /NDF: 35683.0/35

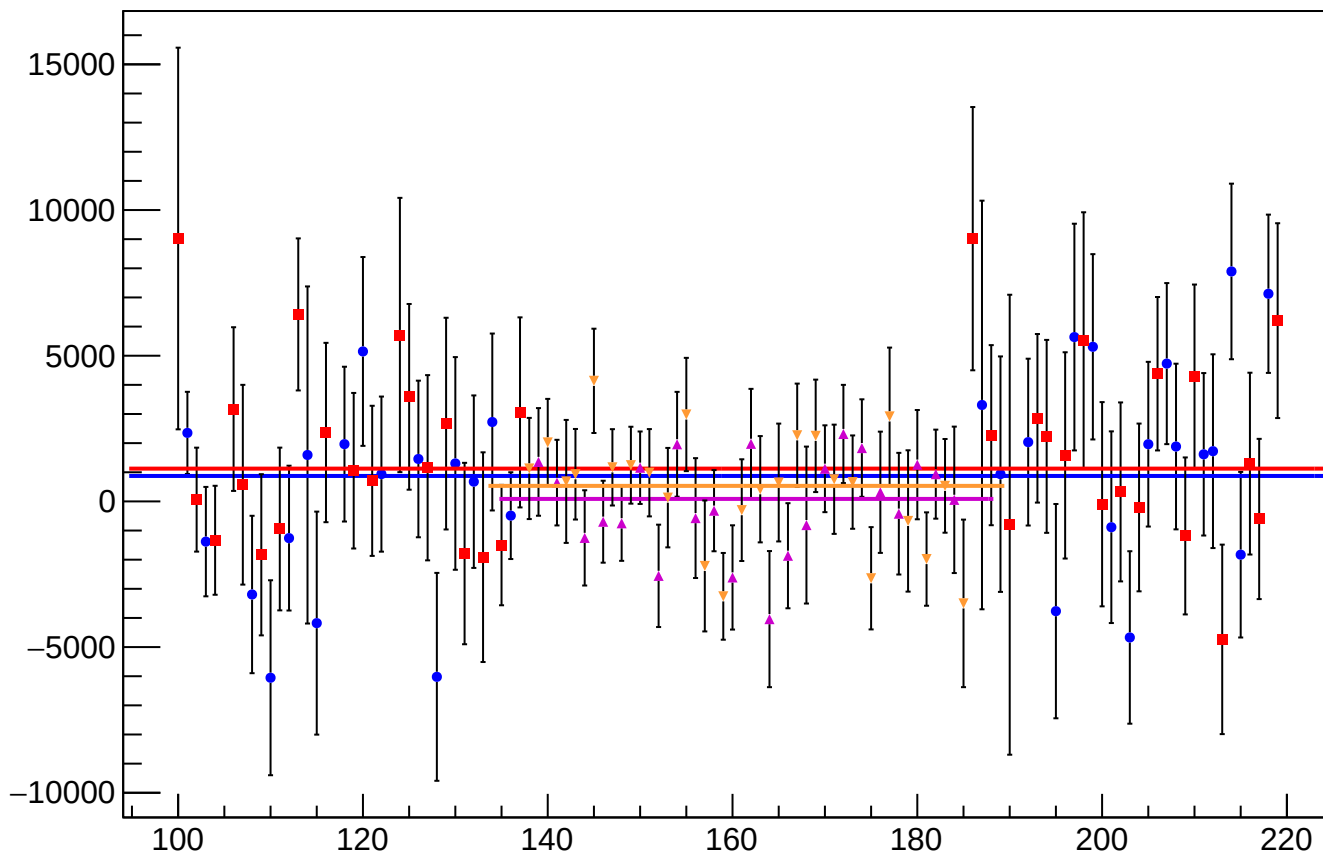
Left In: 1093.338 $\pm$ 0.181 χ^2 /NDF: 3725.7/22

+ sign 1090.586 $\pm$ 0.123 χ^2 /NDF: 24739.6/56

All: 1092.194 $\pm$ 0.087 χ^2 /NDF: 64506.3/115

- sign 1093.810 $\pm$ 0.123 χ^2 /NDF: 39421.4/58

asym_usr_cor_correction_mean vs Slug



Right In: 873.353 ± 485.926 χ^2/NDF : 41.6/31

Left Out: 532.982 ± 347.223 χ^2/NDF : 26.4/24

Right Out: 1125.201 ± 494.723 χ^2/NDF : 29.7/35

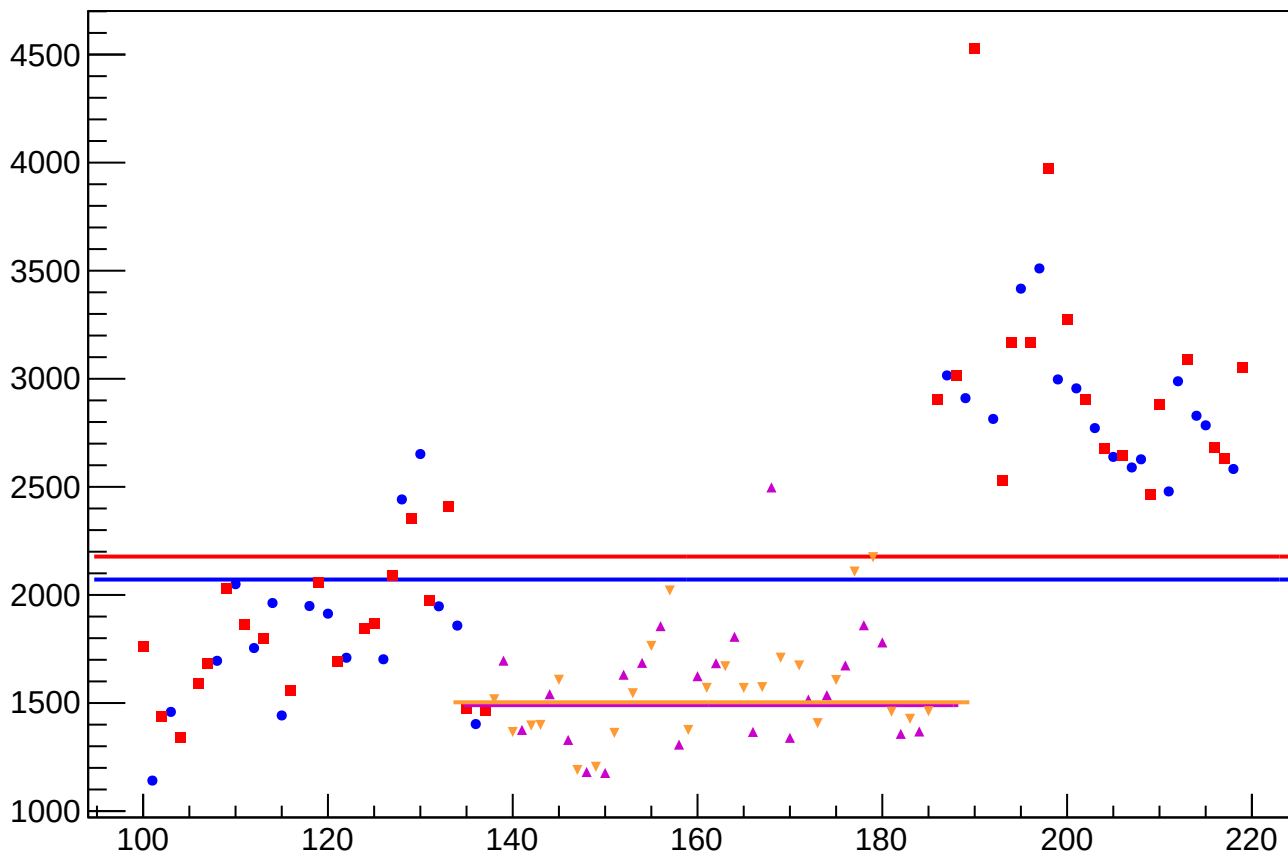
Left In: 85.329 ± 353.933 χ^2/NDF : 18.1/22

+ sign 648.031 ± 282.510 χ^2/NDF : 68.4/56

All: 544.676 ± 201.627 χ^2/NDF : 119.4/115

- sign 437.374 ± 287.853 χ^2/NDF : 50.7/58

asym_usr_cor_correction_rms vs Slug



Right In: 2071.257 $\pm$ 0.344 χ^2 /NDF: 3752927.9/31

Left Out: 1503.437 $\pm$ 0.246 χ^2 /NDF: 799670.9/24

Right Out: 2177.518 $\pm$ 0.350 χ^2 /NDF: 3521168.6/35

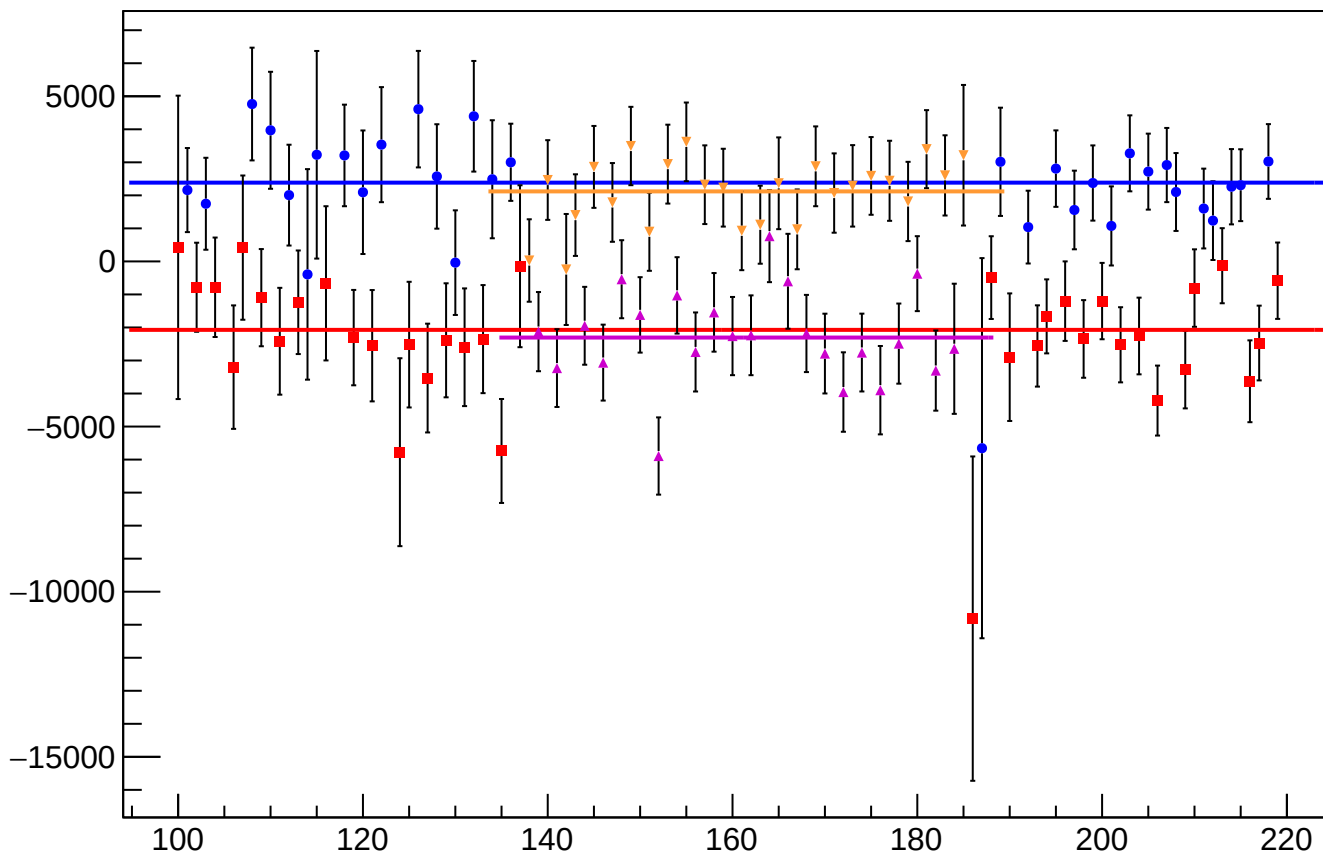
Left In: 1490.314 $\pm$ 0.250 χ^2 /NDF: 968221.5/22

+ sign 1695.365 $\pm$ 0.200 χ^2 /NDF: 6360455.9/56

All: 1708.907 $\pm$ 0.143 χ^2 /NDF: 13411772.7/134

- sign 1722.965 $\pm$ 0.204 χ^2 /NDF: 7041951.7/58

overload_cor_asym_usr_mean vs Slug



Right In: 2385.010 ± 242.968 χ^2/NDF : 18.4/31

Left Out: 2119.973 ± 247.544 χ^2/NDF : 15.1/24

Right Out: -2072.523 ± 238.752 χ^2/NDF : 32.7/35

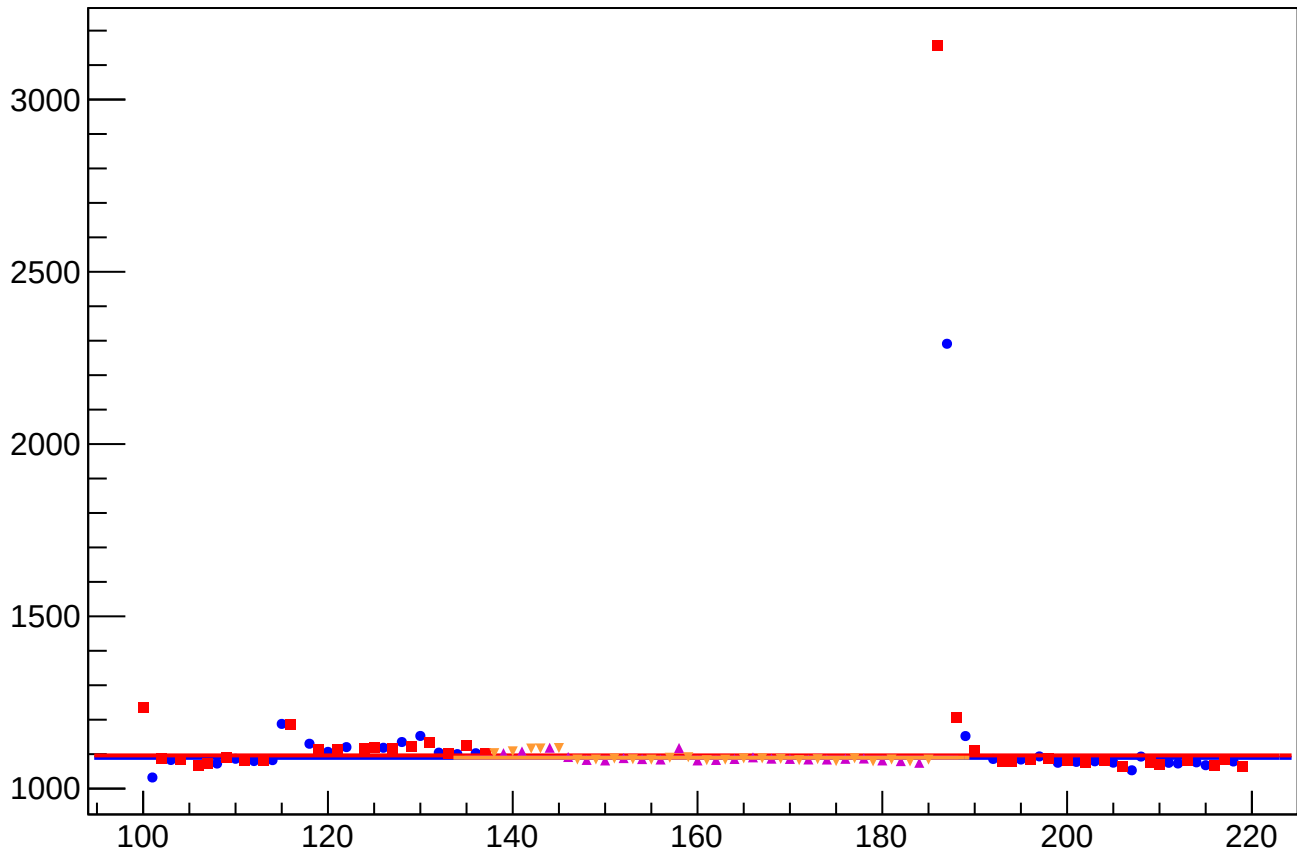
Left In: -2305.411 ± 254.497 χ^2/NDF : 28.5/22

+ sign 2254.964 ± 173.399 χ^2/NDF : 34.1/56

All: 45.955 ± 122.867 χ^2/NDF : 421.6/115

- sign -2181.540 ± 174.123 χ^2/NDF : 61.6/58

overload_cor_asym_usr_rms vs Slug



Right In: 1089.281+/-0.172 χ^2/NDF : 109677.5/31

Left Out: 1089.744+/-0.175 χ^2/NDF : 4057.6/24

Right Out: 1096.373+/-0.169 χ^2/NDF : 385763.9/35

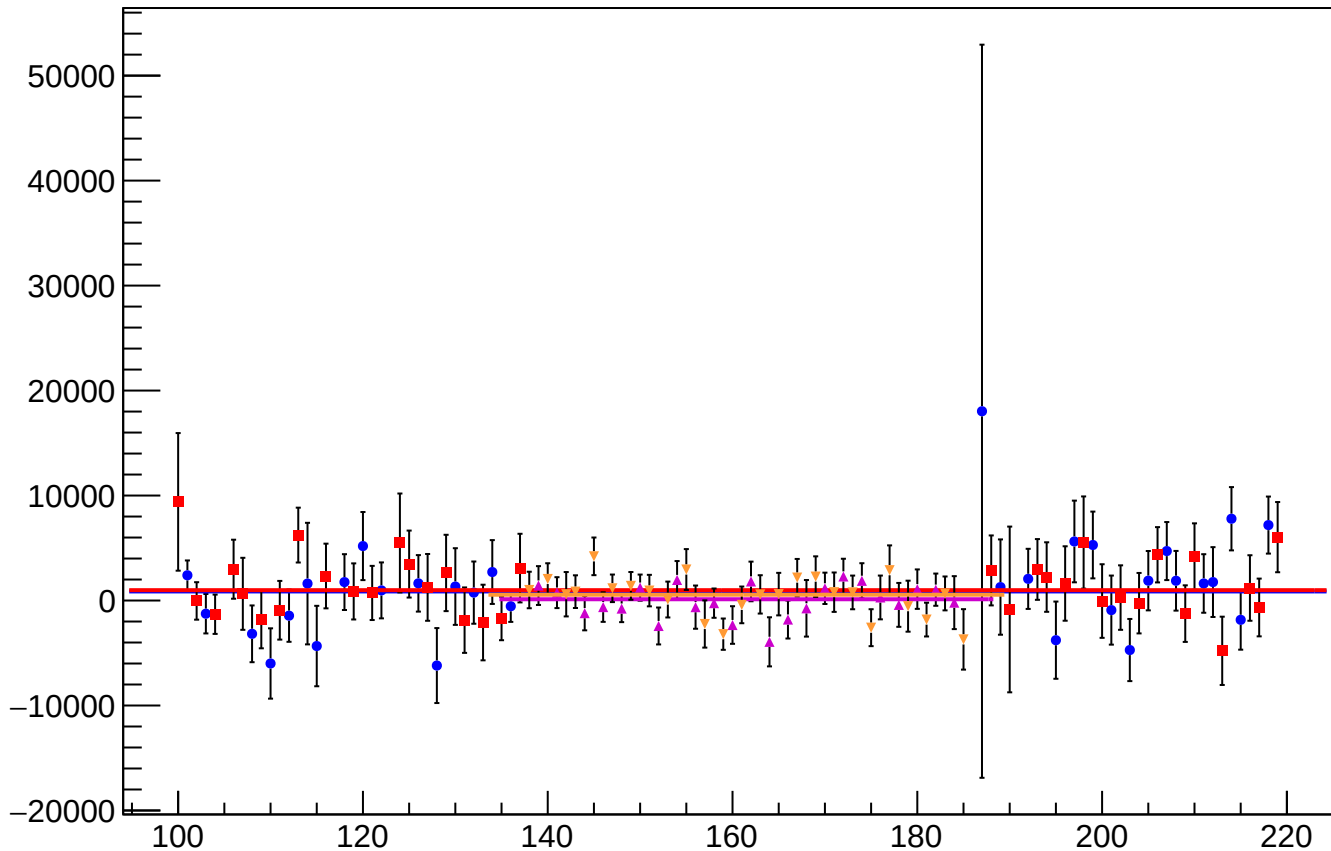
Left In: 1089.964+/-0.180 χ^2/NDF : 3896.0/22

+ sign 1089.508+/-0.123 χ^2/NDF : 113738.7/56

All: 1091.432+/-0.087 χ^2/NDF : 504568.0/115

- sign 1093.373+/-0.123 χ^2/NDF : 390334.5/58

asym_usr_overload_cor_correction_mean vs Slug



Right In: 865.984 $\pm$ 488.201 χ^2 /NDF: 42.0/31

Left Out: 553.759 $\pm$ 347.813 χ^2 /NDF: 26.1/24

Right Out: 985.595 $\pm$ 498.963 χ^2 /NDF: 26.7/34

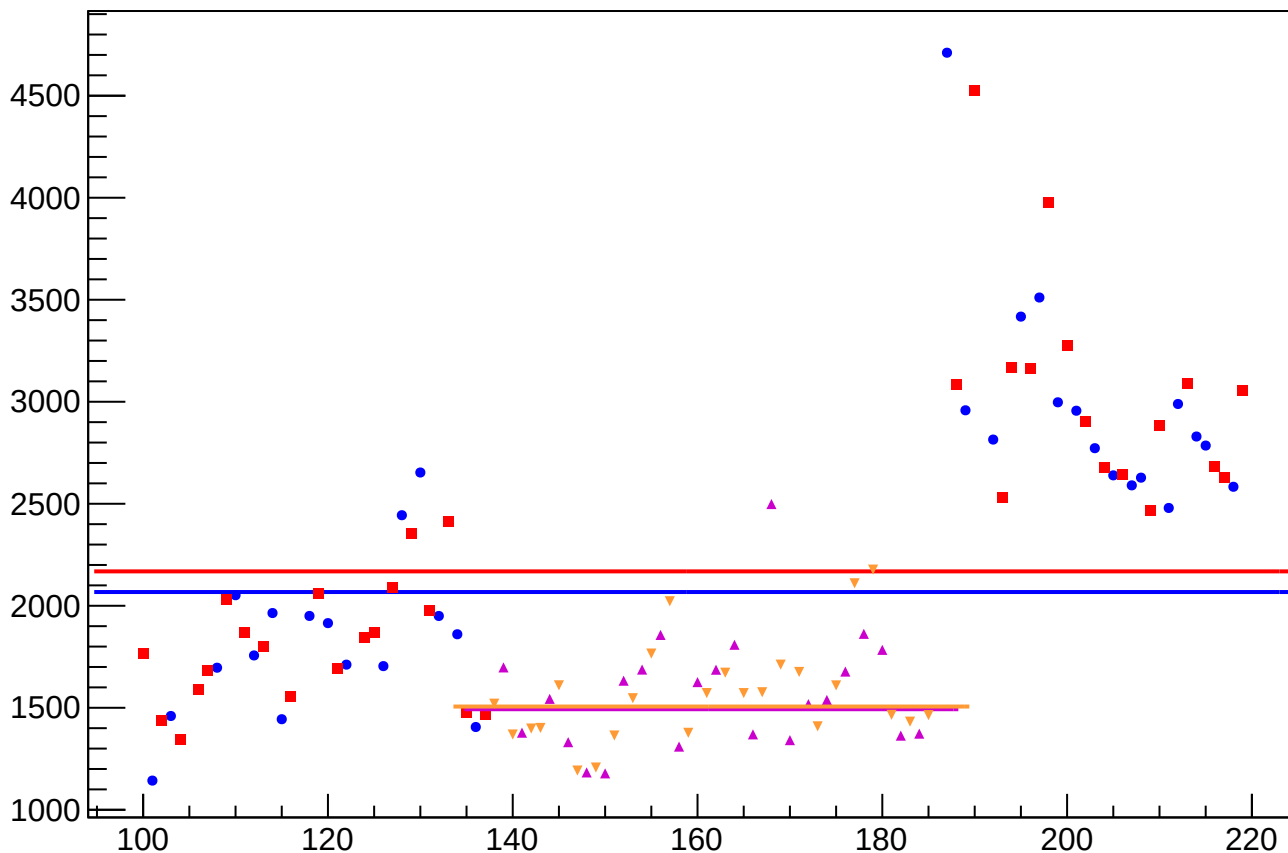
Left In: 121.420 $\pm$ 354.540 χ^2 /NDF: 17.1/22

+ sign 658.879 $\pm$ 283.274 χ^2 /NDF: 68.4/56

All: 537.595 $\pm$ 202.303 χ^2 /NDF: 114.6/114

- sign 411.349 $\pm$ 289.011 χ^2 /NDF: 45.8/57

asym_usr_overload_cor_correction_rms vs Slug



Right In: 2067.370+/-0.345 χ^2/NDF : 3704665.7/31

Left Out: 1506.103+/-0.246 χ^2/NDF : 796401.8/24

Right Out: 2168.600+/-0.353 χ^2/NDF : 3457544.4/34

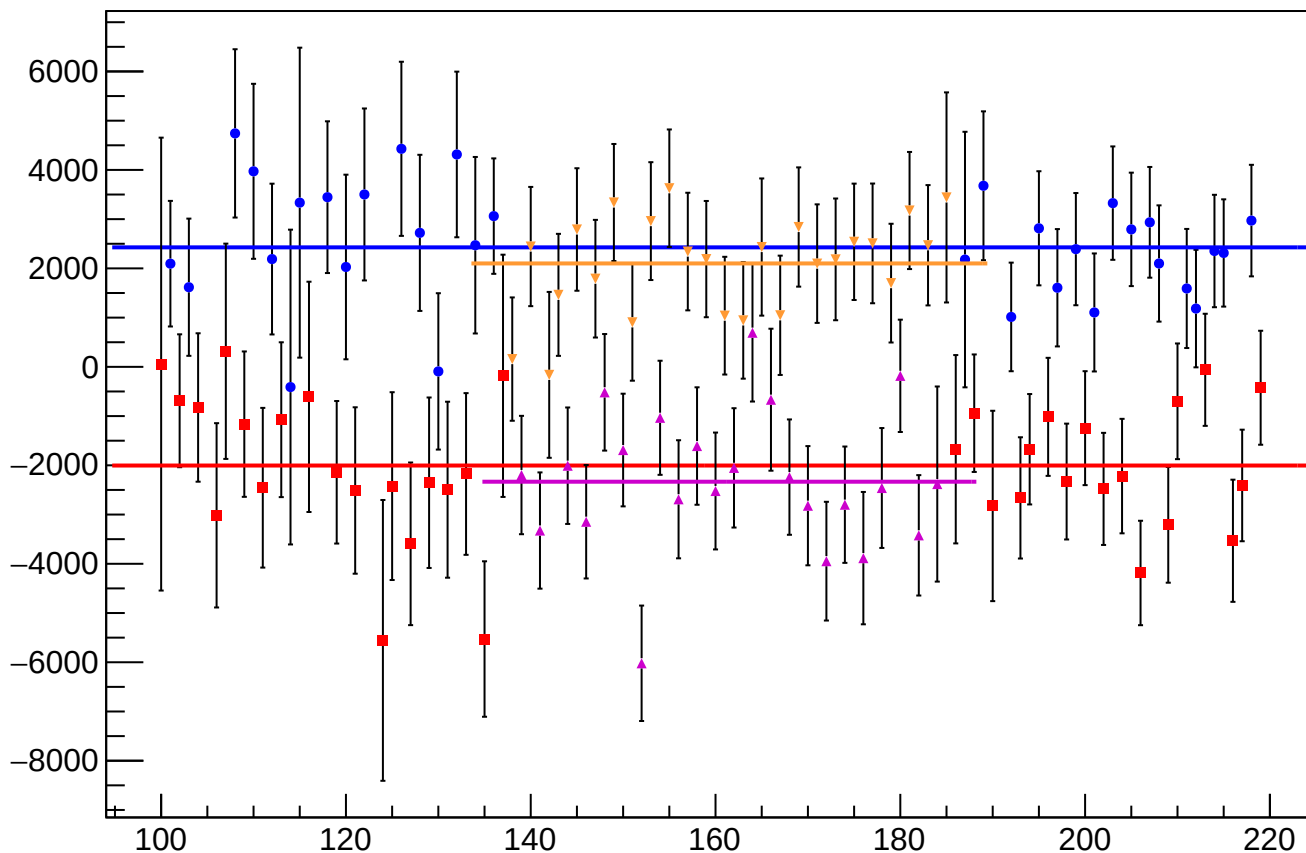
Left In: 1492.976+/-0.251 χ^2/NDF : 964358.0/22

+ sign 1695.070+/-0.200 χ^2/NDF : 6254526.7/56

All: 1707.112+/-0.143 χ^2/NDF : 13120485.8/100

- sign 1719.647+/-0.204 χ^2/NDF : 6858583.0/57

eigen_cor_asym_usr_mean vs Slug



Right In: 2427.042 $\pm$ 242.057 χ^2 /NDF: 17.1/31

Left Out: 2100.398 $\pm$ 248.306 χ^2 /NDF:13.8/24

Right Out: -2004.139 $\pm$ 237.075 χ^2 /NDF: 28.3/35

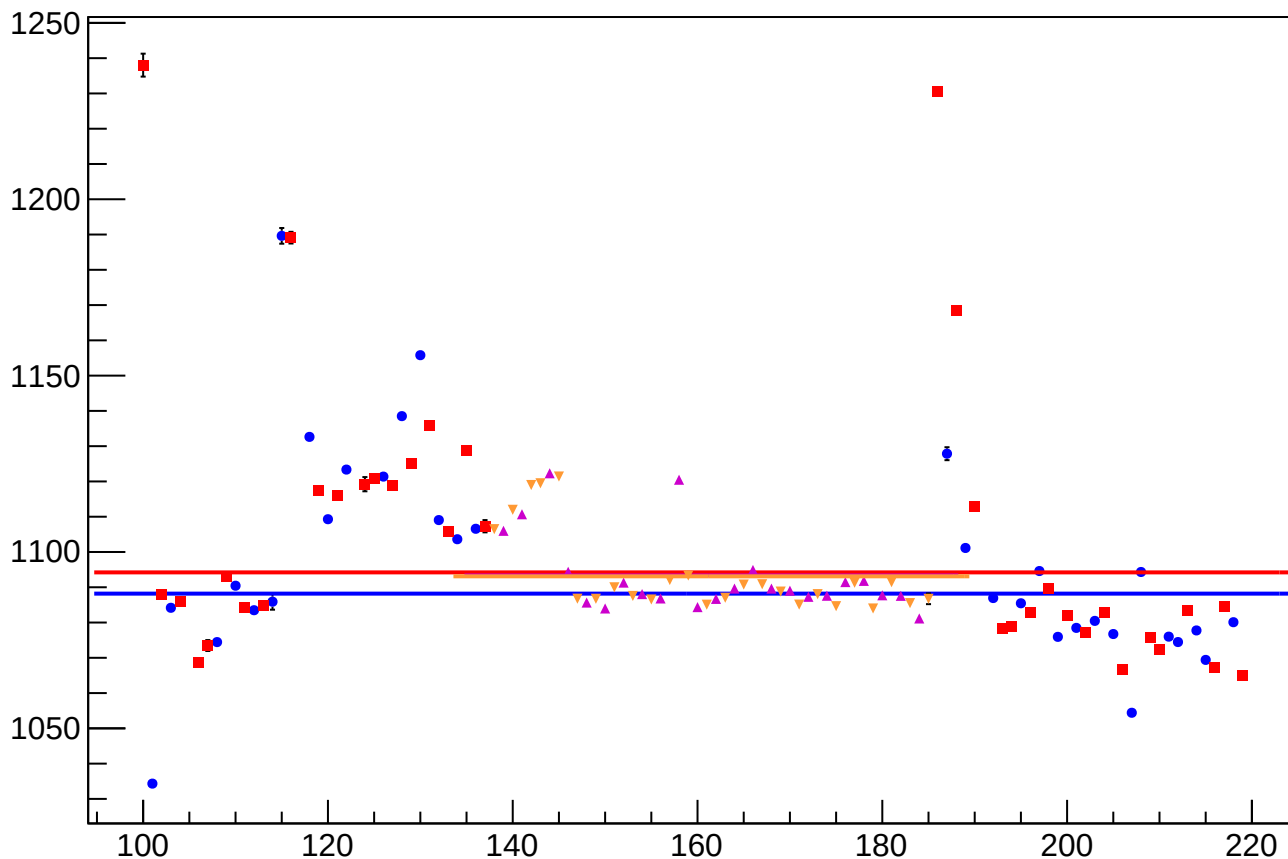
Left In: -2332.954 $\pm$ 255.284 χ^2 /NDF:29.5/22

+ sign 2267.882 $\pm$ 173.327 χ^2 /NDF: 31.8/56

All: 60.724 $\pm$ 122.699 χ^2 /NDF: 415.5/115

- sign -2156.402 $\pm$ 173.718 χ^2 /NDF: 58.7/58

eigen_cor_asym_usr_rms vs Slug



Right In: 1088.194 $\pm$ 0.171 χ^2 /NDF: 20355.8/31

Left Out: 1093.102 $\pm$ 0.176 χ^2 /NDF: 3983.2/24

Right Out: 1094.217 $\pm$ 0.168 χ^2 /NDF: 35683.0/35

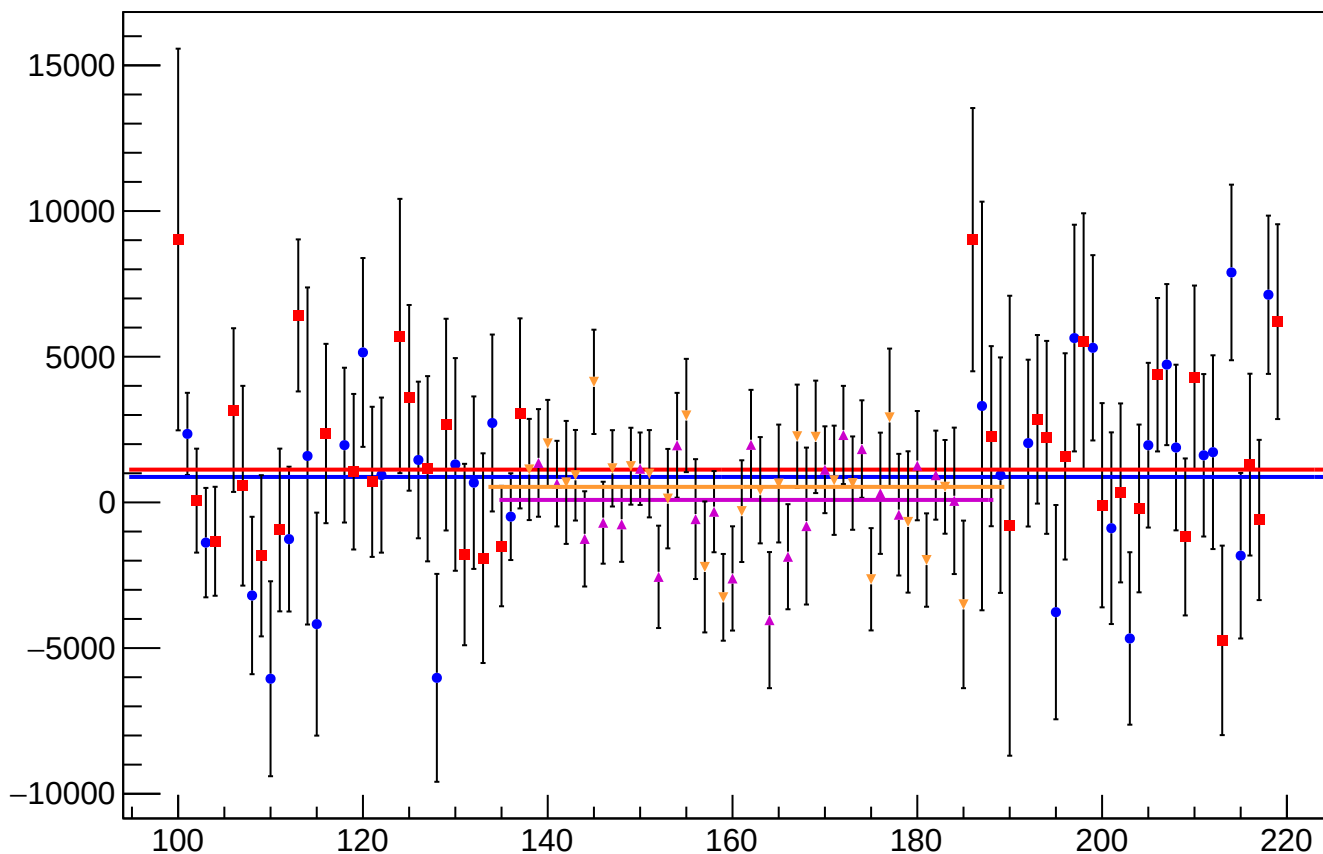
Left In: 1093.338 $\pm$ 0.181 χ^2 /NDF: 3725.7/22

+ sign 1090.586 $\pm$ 0.123 χ^2 /NDF: 24739.6/56

All: 1092.194 $\pm$ 0.087 χ^2 /NDF: 64506.3/115

- sign 1093.810 $\pm$ 0.123 χ^2 /NDF: 39421.4/58

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 873.353 ± 485.926 χ^2/NDF : 41.6/31

Left Out: 532.982 ± 347.223 χ^2/NDF : 26.4/24

Right Out: 1125.201 ± 494.723 χ^2/NDF : 29.7/35

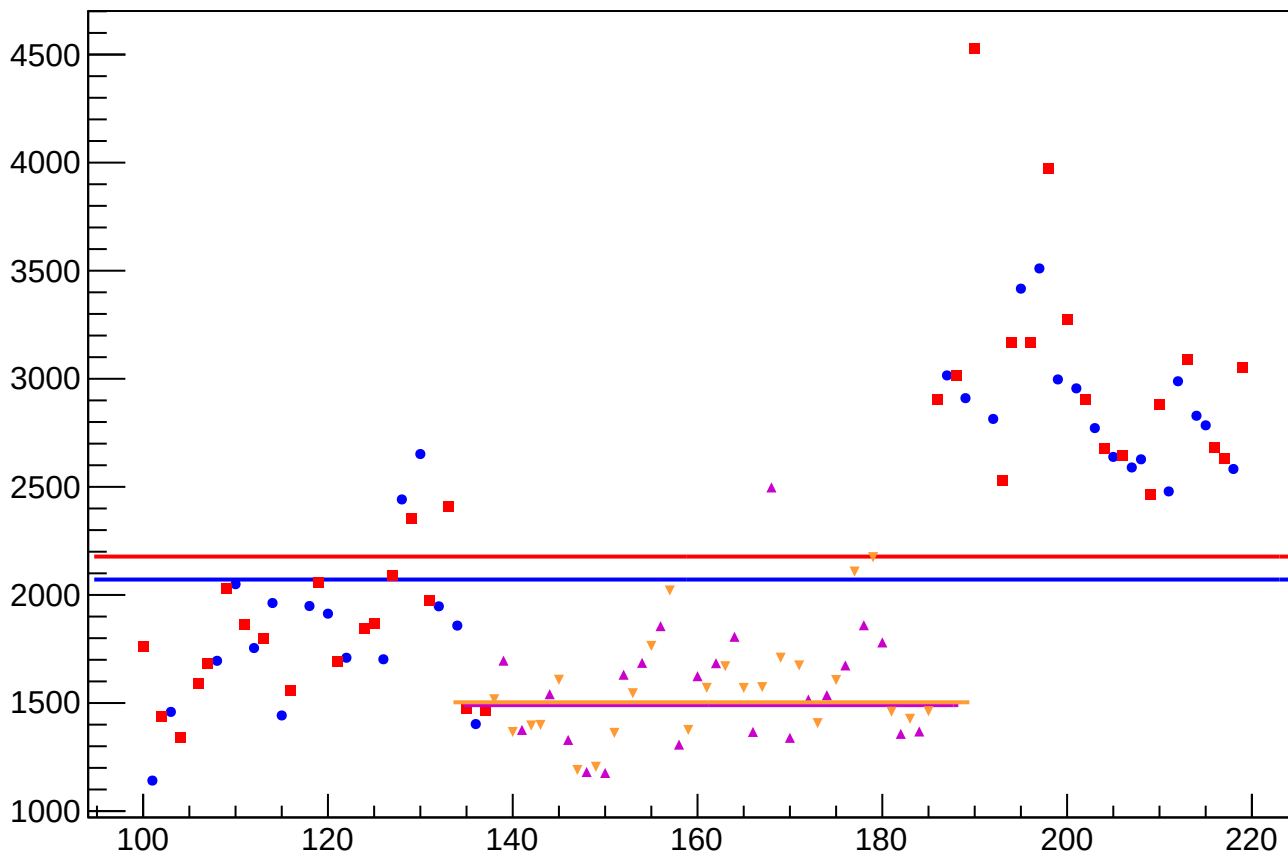
Left In: 85.329 ± 353.933 χ^2/NDF : 18.1/22

+ sign 648.031 ± 282.510 χ^2/NDF : 68.4/56

All: 544.676 ± 201.627 χ^2/NDF : 119.4/115

- sign 437.374 ± 287.853 χ^2/NDF : 50.7/58

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 2071.257+/-0.344 χ^2/NDF : 3752927.9/31

Left Out: 1503.437+/-0.246 χ^2/NDF : 799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF : 3521168.6/35

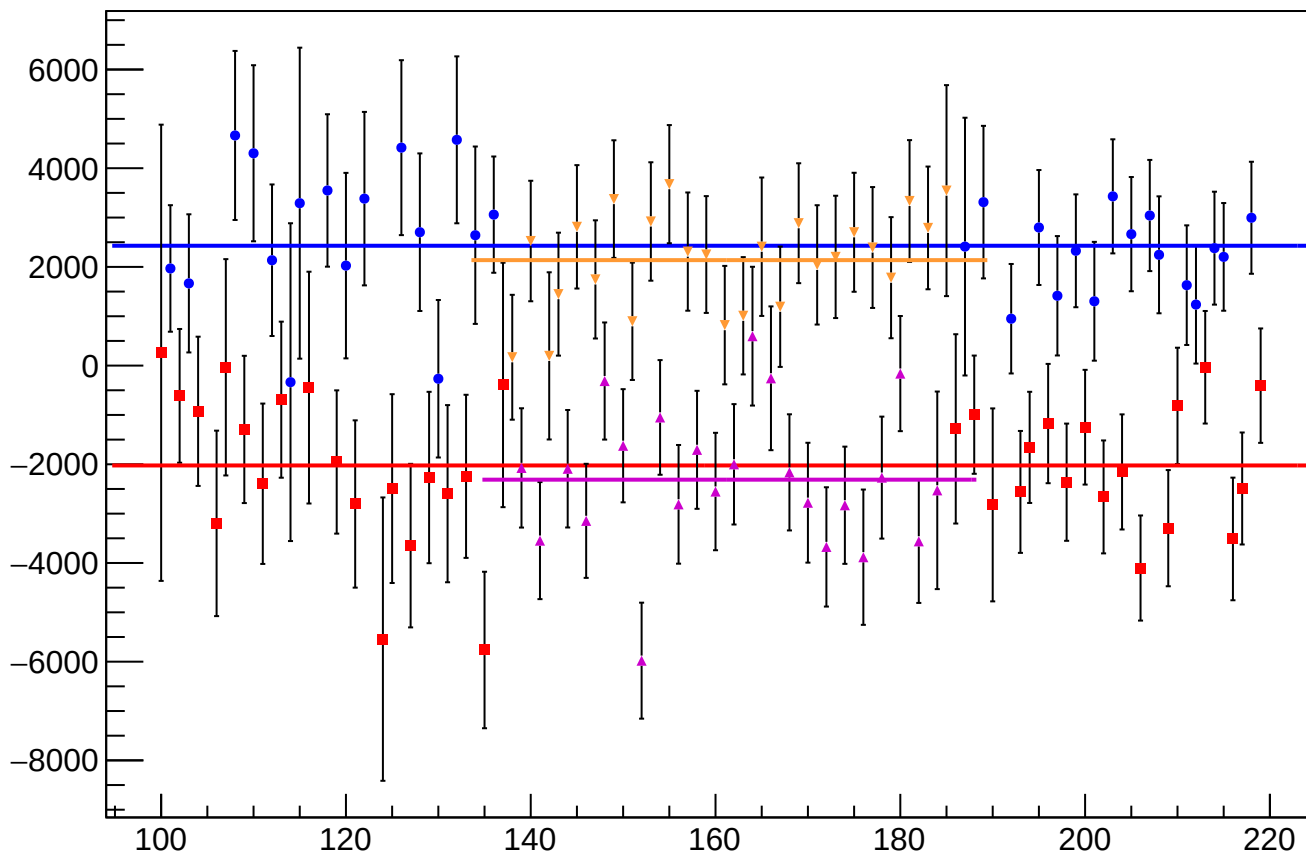
Left In: 1490.314+/-0.250 χ^2/NDF : 968221.5/22

+ sign 1695.365+/-0.200 χ^2/NDF : 6360455.9/56

All: 1708.907+/-0.143 χ^2/NDF : 13411772.7/134

- sign 1722.965+/-0.204 χ^2/NDF : 7041951.7/58

dit_asym_usr_mean vs Slug



Right In: 2428.700+/-243.172 χ^2/NDF : 17.6/31

Left Out: 2137.184+/-250.195 χ^2/NDF : 13.9/24

Right Out: -2023.612+/-238.063 χ^2/NDF : 28.7/35

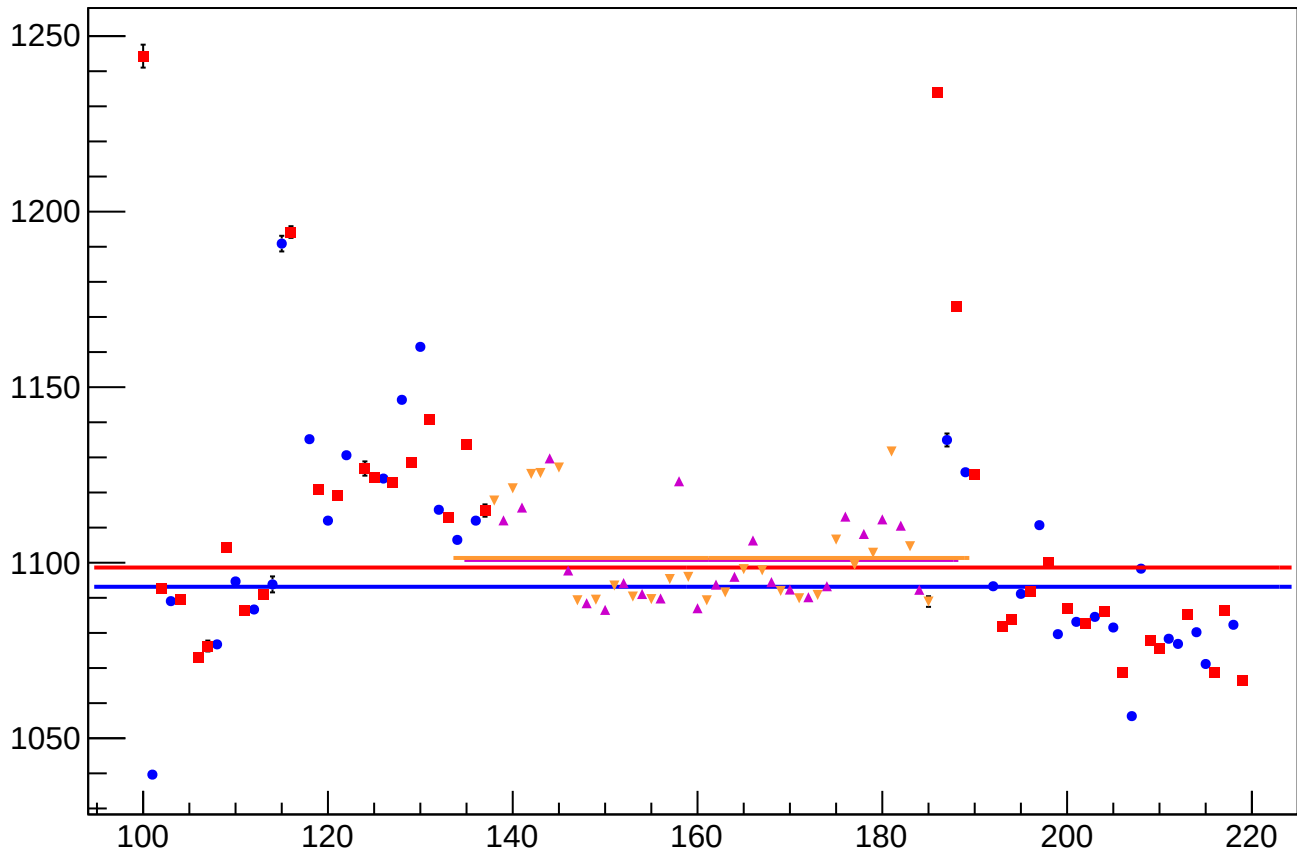
Left In: -2311.761+/-257.036 χ^2/NDF : 29.9/22

+ sign 2287.091+/-174.379 χ^2/NDF : 32.3/56

All: 68.781+/-123.403 χ^2/NDF : 415.8/115

- sign -2156.661+/-174.659 χ^2/NDF : 59.3/58

dit_asym_usr_rms vs Slug



Right In: 1093.144 $\pm$ 0.172 χ^2 /NDF: 22346.3/31

Left Out: 1101.353 $\pm$ 0.177 χ^2 /NDF: 5950.6/24

Right Out: 1098.630 $\pm$ 0.168 χ^2 /NDF: 36614.2/35

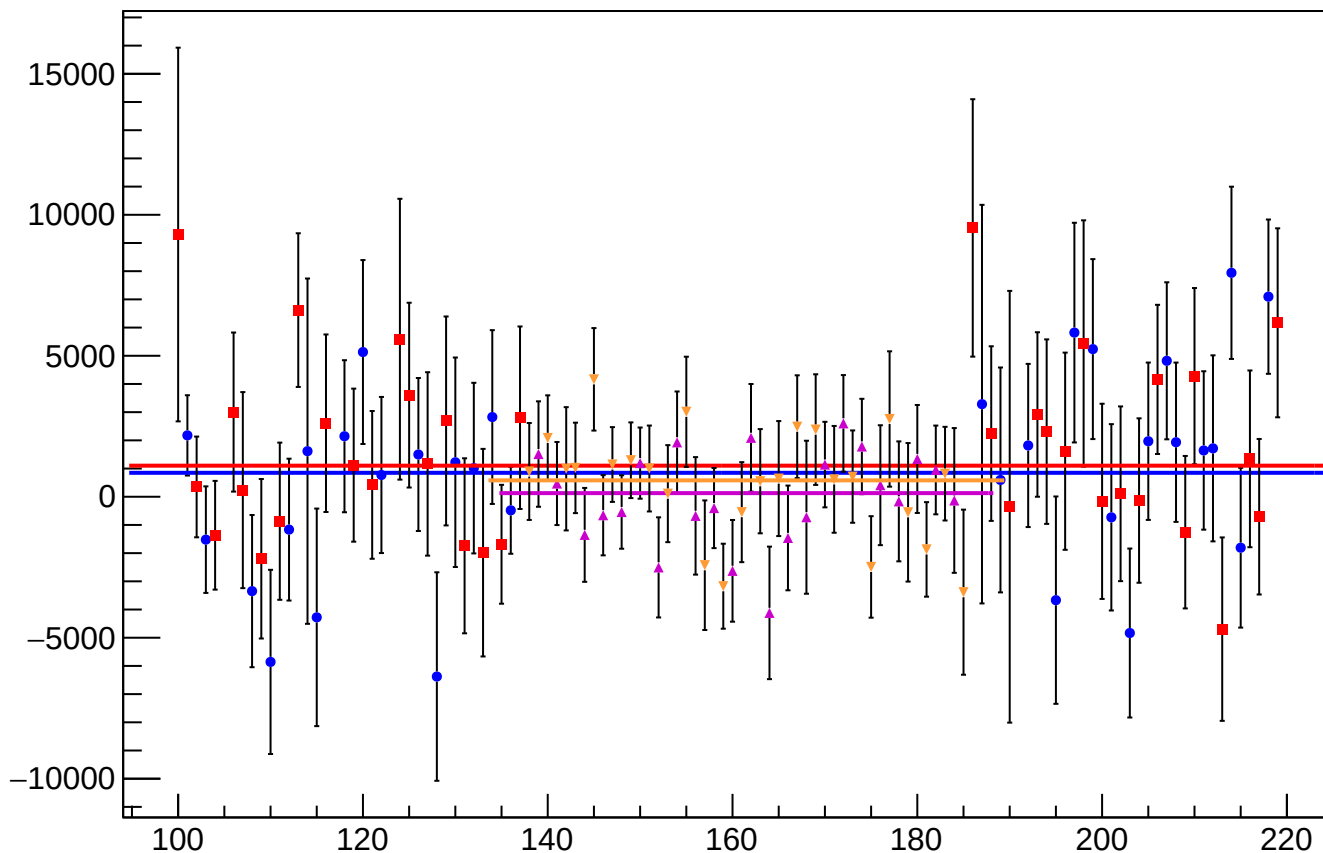
Left In: 1100.792 $\pm$ 0.182 χ^2 /NDF: 4641.7/22

+ sign 1097.132 $\pm$ 0.123 χ^2 /NDF: 29404.2/56

All: 1098.378 $\pm$ 0.087 χ^2 /NDF: 70941.0/115

- sign 1099.629 $\pm$ 0.124 χ^2 /NDF: 41332.1/58

asym_usr_dit_correction_mean vs Slug



Right In: 849.099 $\pm$ 491.177 χ^2 /NDF: 41.6/31

Left Out: 581.427 $\pm$ 353.389 χ^2 /NDF: 25.4/24

Right Out: 1102.281 $\pm$ 499.903 χ^2 /NDF: 29.8/35

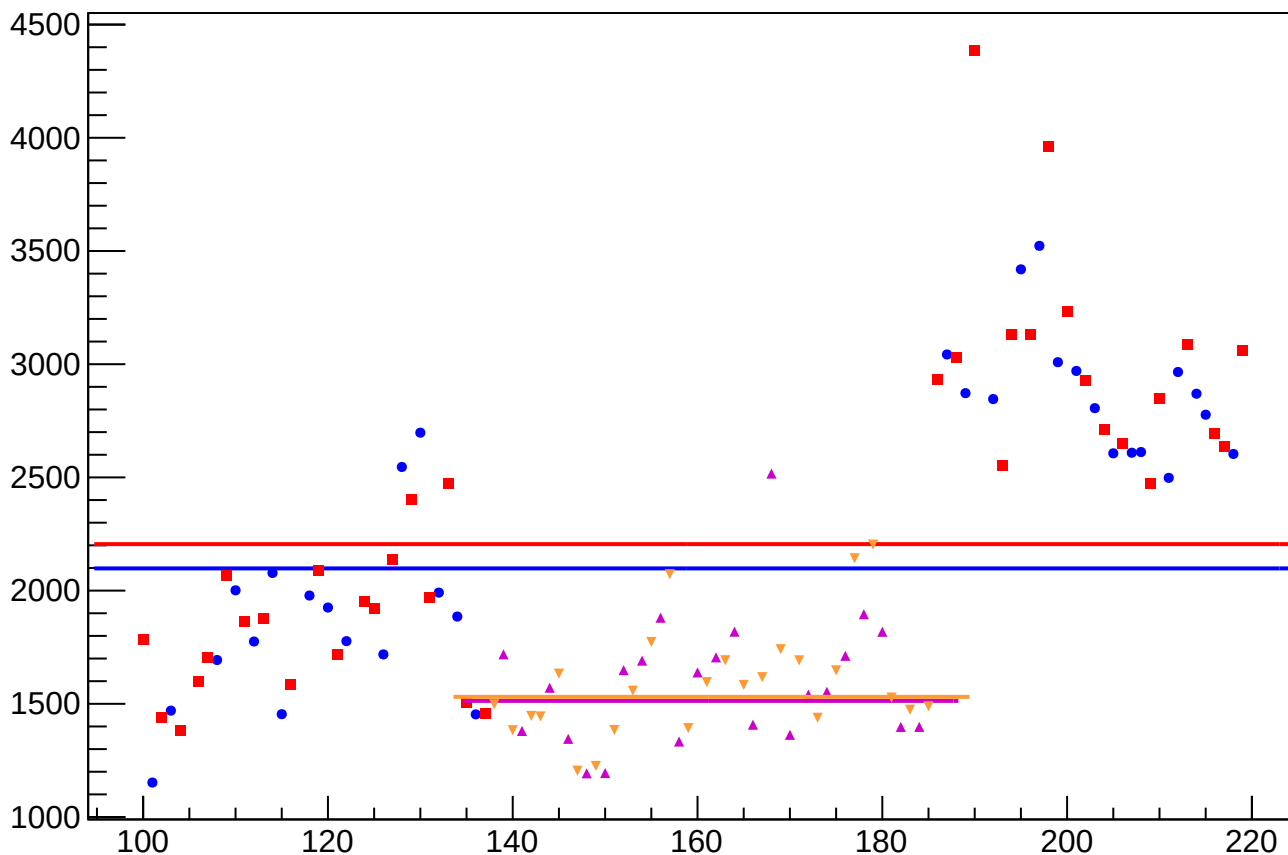
Left In: 128.769 $\pm$ 359.128 χ^2 /NDF: 17.9/22

+ sign 672.725 $\pm$ 286.859 χ^2 /NDF: 67.1/56

All: 568.210 $\pm$ 204.518 χ^2 /NDF: 117.6/115

- sign 460.162 $\pm$ 291.667 χ^2 /NDF: 50.2/58

asym_usr_dit_correction_rms vs Slug



Right In: 2098.061+/-0.347 χ^2/NDF : 3631534.7/31

Left Out: 1530.764+/-0.250 χ^2/NDF : 795634.5/24

Right Out: 2205.355+/-0.353 χ^2/NDF : 3353531.8/35

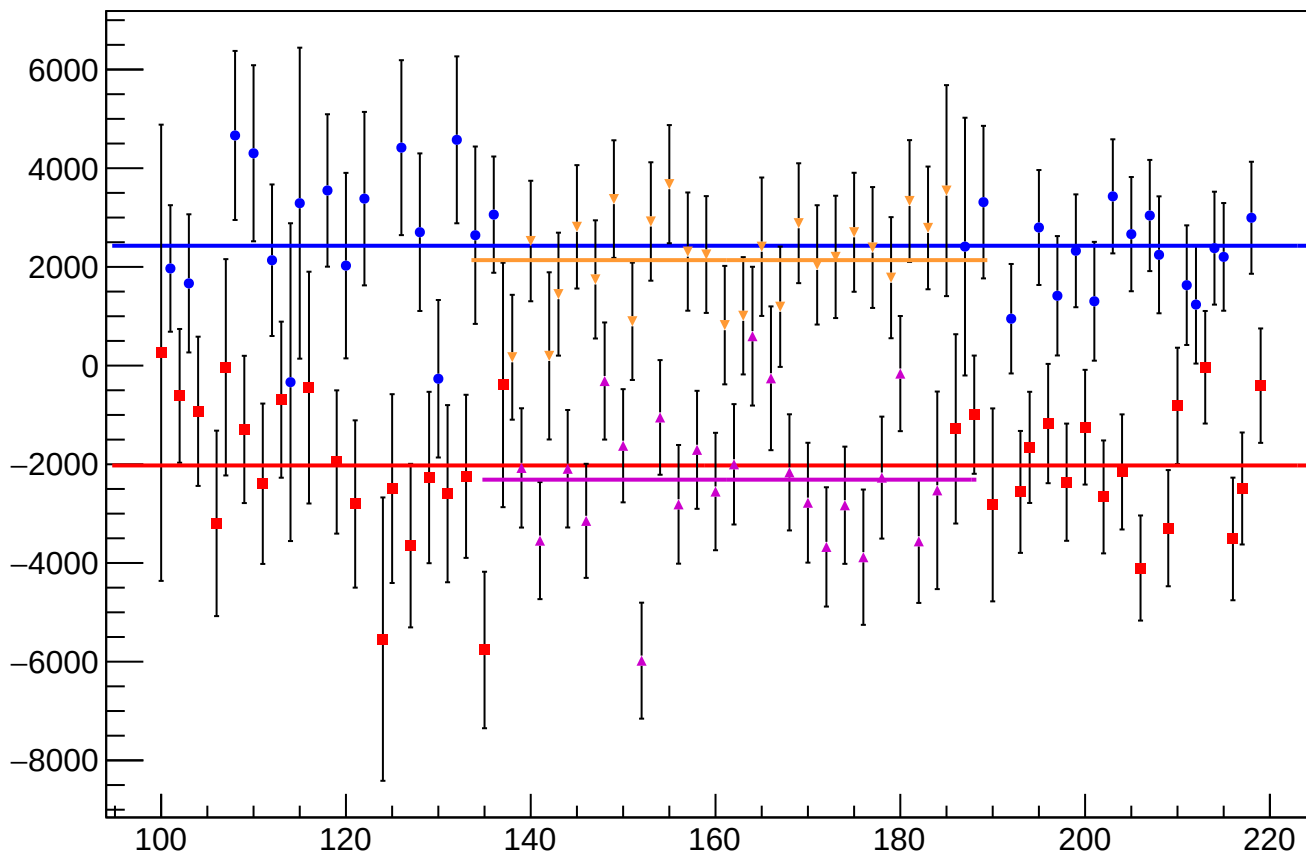
Left In: 1512.947+/-0.254 χ^2/NDF : 957059.5/22

+ sign 1724.260+/-0.203 χ^2/NDF : 6185113.8/56

All: 1736.252+/-0.145 χ^2/NDF : 13033610.9/100

- sign 1748.650+/-0.206 χ^2/NDF : 6841388.2/58

eigen_dit_asym_usr_mean vs Slug



Right In: 2428.701 $\pm$ 243.172 χ^2 /NDF: 17.6/31

Left Out: 2137.182 $\pm$ 250.195 χ^2 /NDF:13.9/24

Right Out: -2023.617 $\pm$ 238.063 χ^2 /NDF: 28.7/35

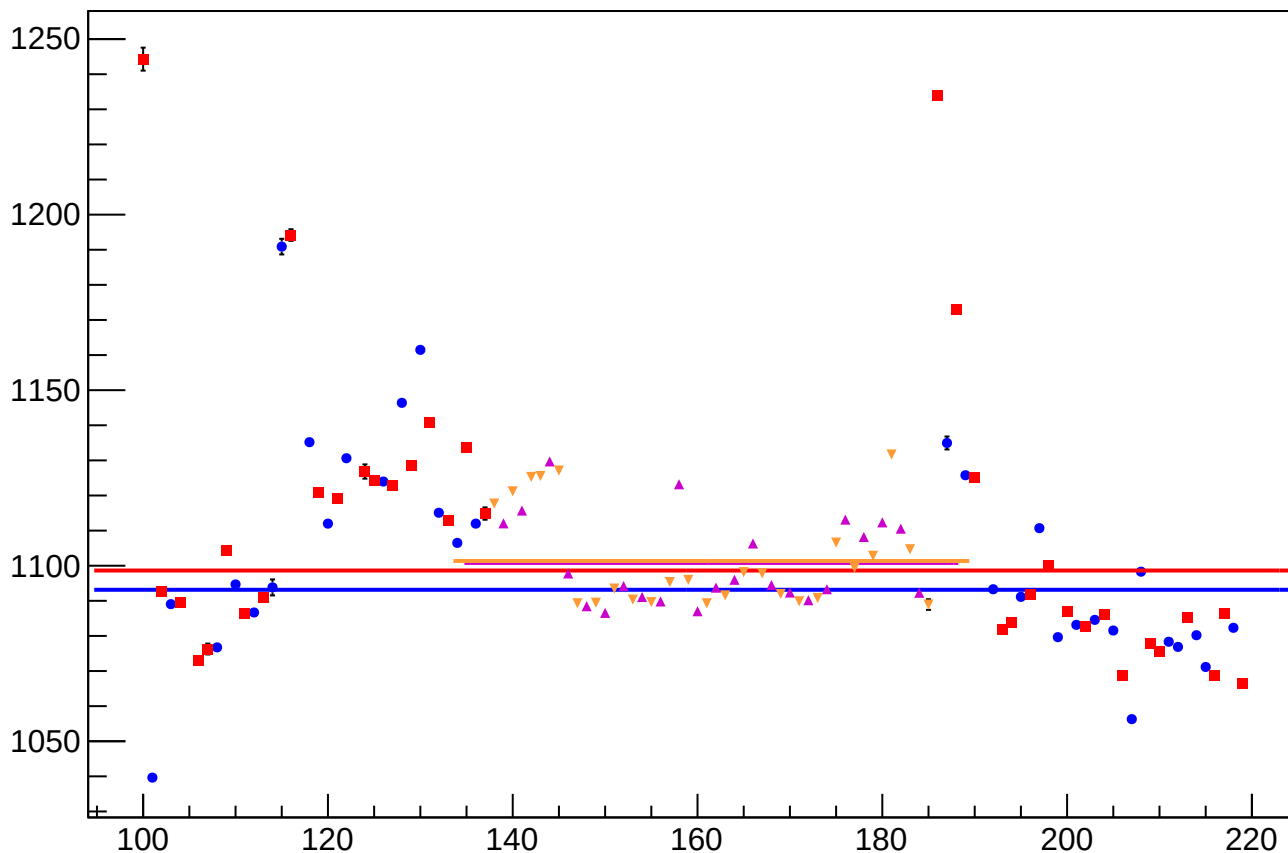
Left In: -2311.761 $\pm$ 257.036 χ^2 /NDF:29.9/22

+ sign 2287.090 $\pm$ 174.379 χ^2 /NDF: 32.3/56

All: 68.779 $\pm$ 123.403 χ^2 /NDF: 415.8/115

- sign -2156.663 $\pm$ 174.659 χ^2 /NDF: 59.3/58

eigen_dit_asym_usr_rms vs Slug



Right In: 1093.144+/-0.172 χ^2/NDF : 22346.1/31

Left Out: 1101.353+/-0.177 χ^2/NDF : 5950.6/24

Right Out: 1098.630+/-0.168 χ^2/NDF : 36614.1/35

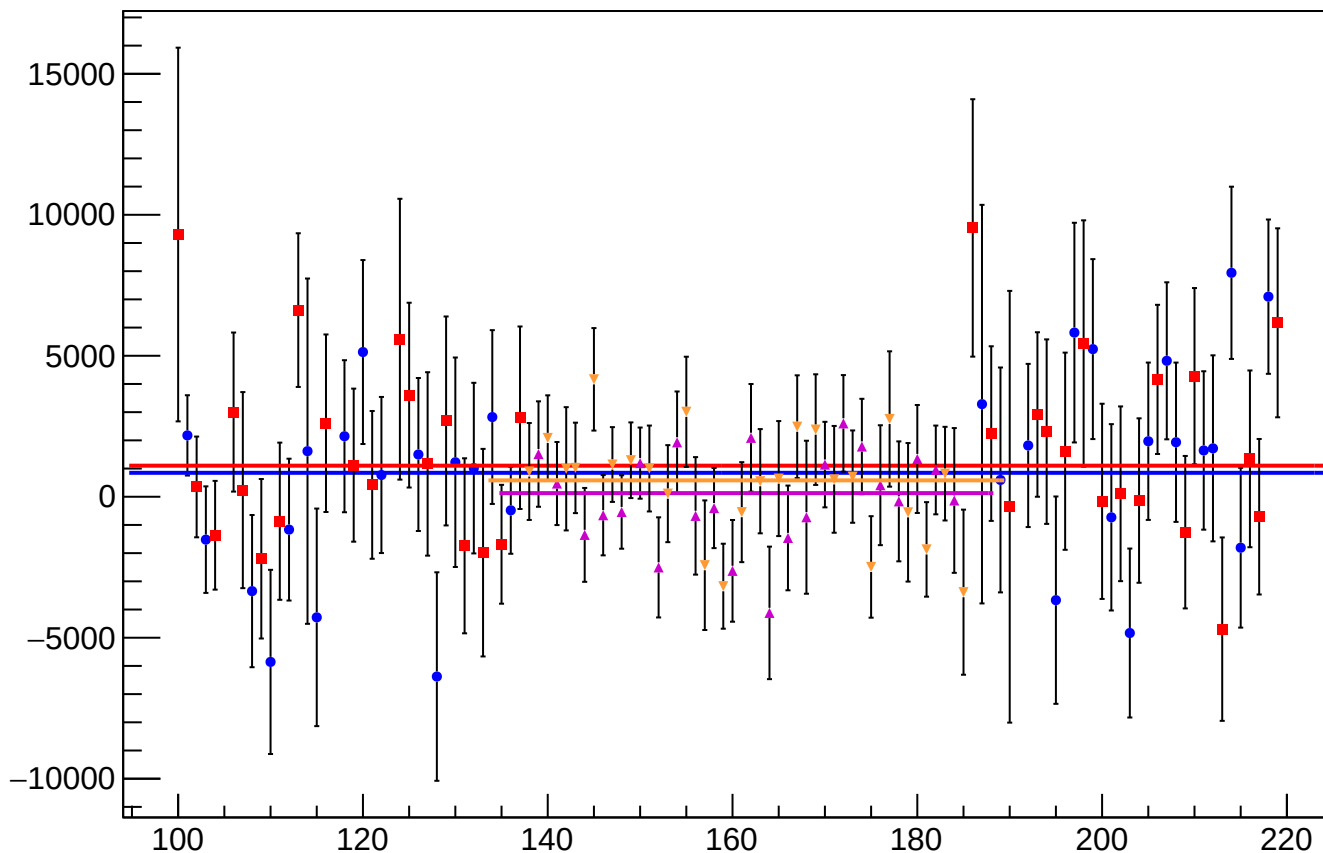
Left In: 1100.792+/-0.182 χ^2/NDF : 4641.7/22

+ sign 1097.132+/-0.123 χ^2/NDF : 29404.0/56

All: 1098.378+/-0.087 χ^2/NDF : 70940.7/115

- sign 1099.628+/-0.124 χ^2/NDF : 41332.0/58

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 849.093 ± 491.177 χ^2/NDF : 41.6/31

Left Out: 581.426 ± 353.390 χ^2/NDF : 25.4/24

Right Out: 1102.280 ± 499.903 χ^2/NDF : 29.8/35

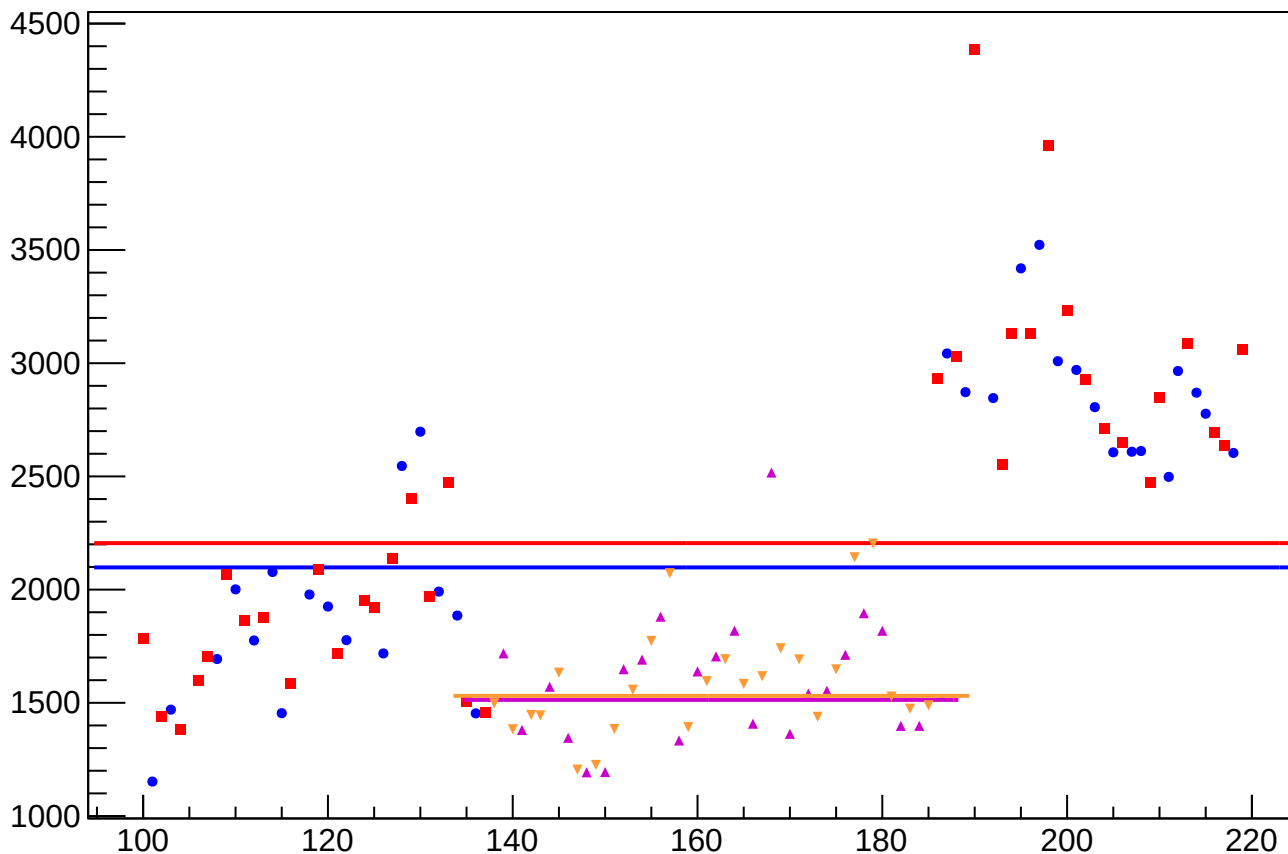
Left In: 128.769 ± 359.129 χ^2/NDF : 17.9/22

+ sign 672.723 ± 286.859 χ^2/NDF : 67.1/56

All: 568.210 ± 204.519 χ^2/NDF : 117.6/115

- sign 460.164 ± 291.667 χ^2/NDF : 50.2/58

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 2098.060 $\pm$ 0.347 χ^2 /NDF: 3631549.5/31

Left Out: 1530.768 $\pm$ 0.250 χ^2 /NDF: 795638.4/24

Right Out: 2205.354 $\pm$ 0.353 χ^2 /NDF: 3353532.9/35

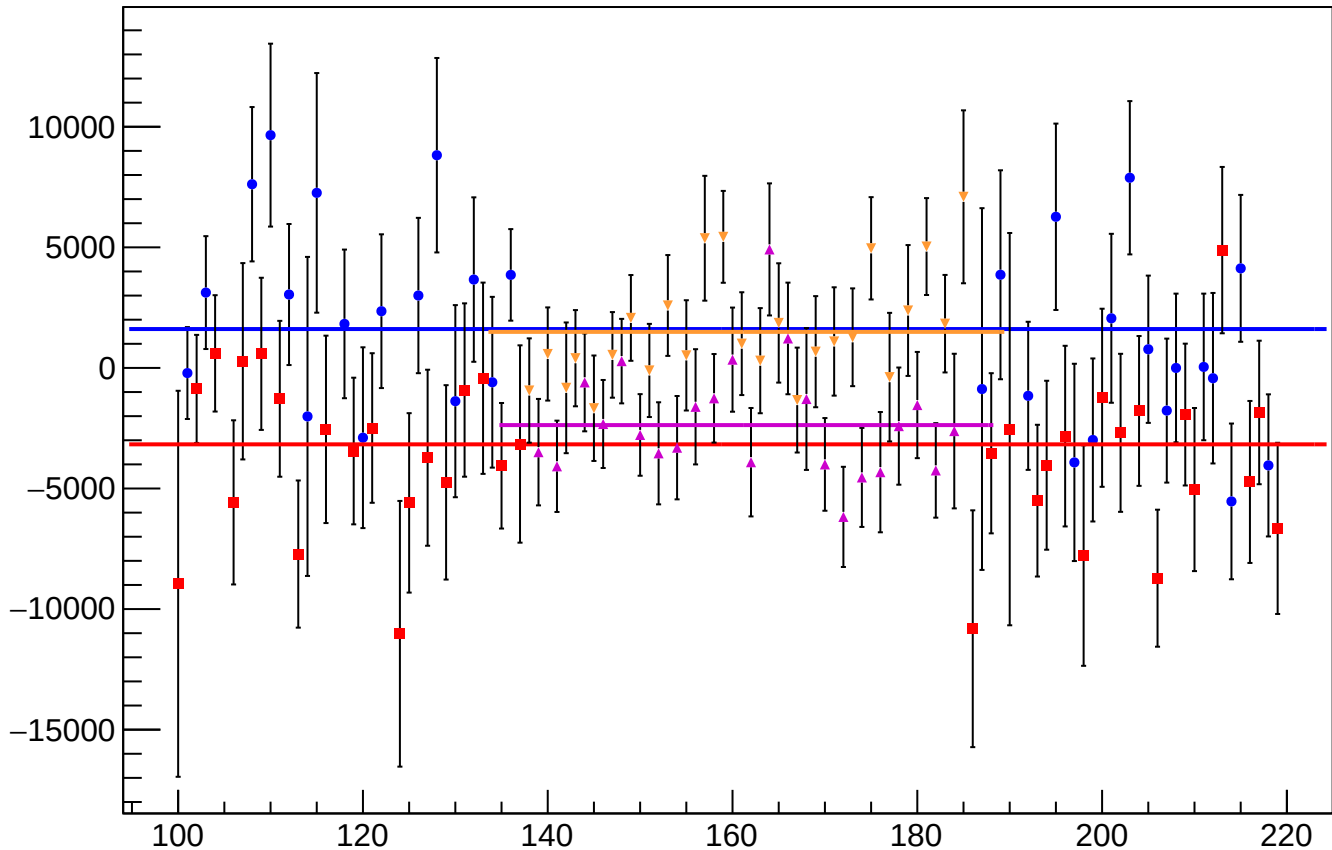
Left In: 1512.951 $\pm$ 0.254 χ^2 /NDF: 957065.2/22

+ sign 1724.263 $\pm$ 0.203 χ^2 /NDF: 6185098.5/56

All: 1736.255 $\pm$ 0.145 χ^2 /NDF: 13033563.8/100

- sign 1748.653 $\pm$ 0.206 χ^2 /NDF: 6841356.3/58

asym_usr_mean vs Slug



Right In: 1612.255 +/- 563.591 χ^2/NDF : 40.5/31

Left Out: 1495.022 +/- 433.196 χ^2/NDF : 23.8/24

Right Out: -3168.759 +/- 566.466 χ^2/NDF : 28.6/35

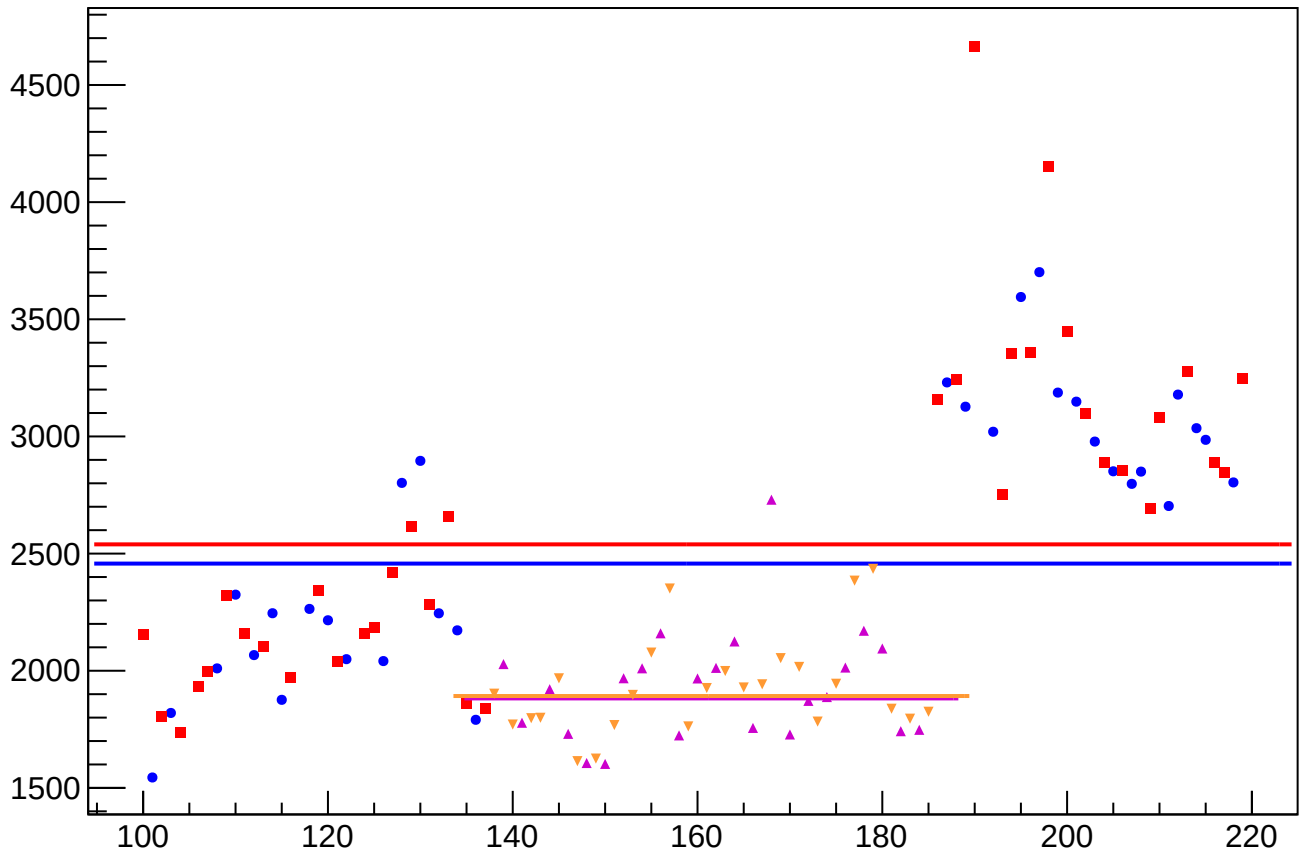
Left In: -2370.694 +/- 442.952 χ^2/NDF : 23.7/22

+ sign 1538.560 +/- 343.460 χ^2/NDF : 64.3/56

All: -534.160 +/- 244.777 χ^2/NDF : 191.9/115

- sign -2673.515 +/- 348.937 χ^2/NDF : 53.6/58

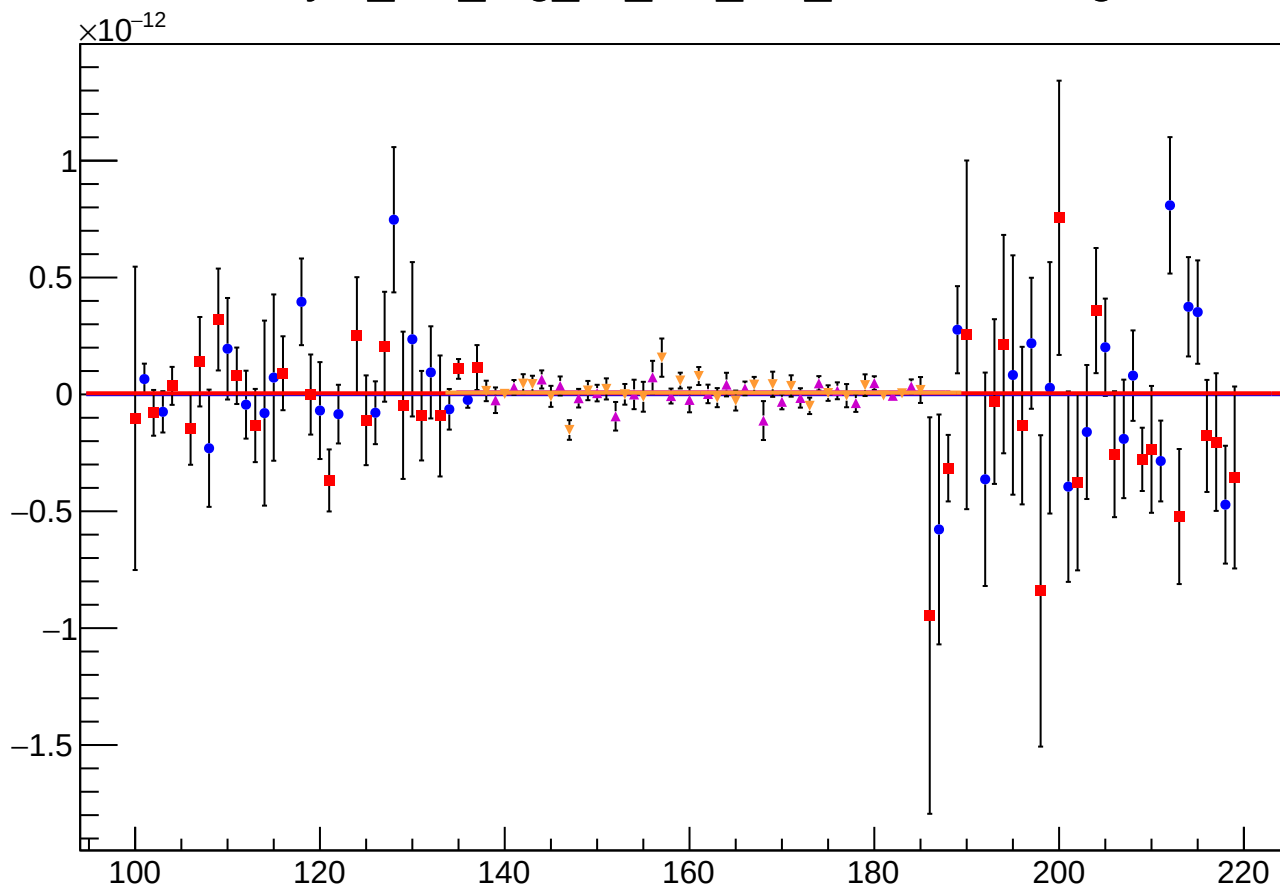
asym_usr_rms vs Slug



Right In: 2457.337 ± 0.399 χ^2/NDF : 2161890.9/31
 Left Out: 1892.117 ± 0.306 χ^2/NDF : 389648.0/24
 Right Out: 2539.415 ± 0.401 χ^2/NDF : 2178523.9/35
 Left In: 1881.892 ± 0.313 χ^2/NDF : 462659.6/22

+ sign 2102.032 ± 0.243 χ^2/NDF : 3816048.1/56
 All: 2116.476 ± 0.173 χ^2/NDF : 8136614.5/11
 - sign 2131.385 ± 0.247 χ^2/NDF : 4313377.8/58

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.9/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:32.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 47.9/35

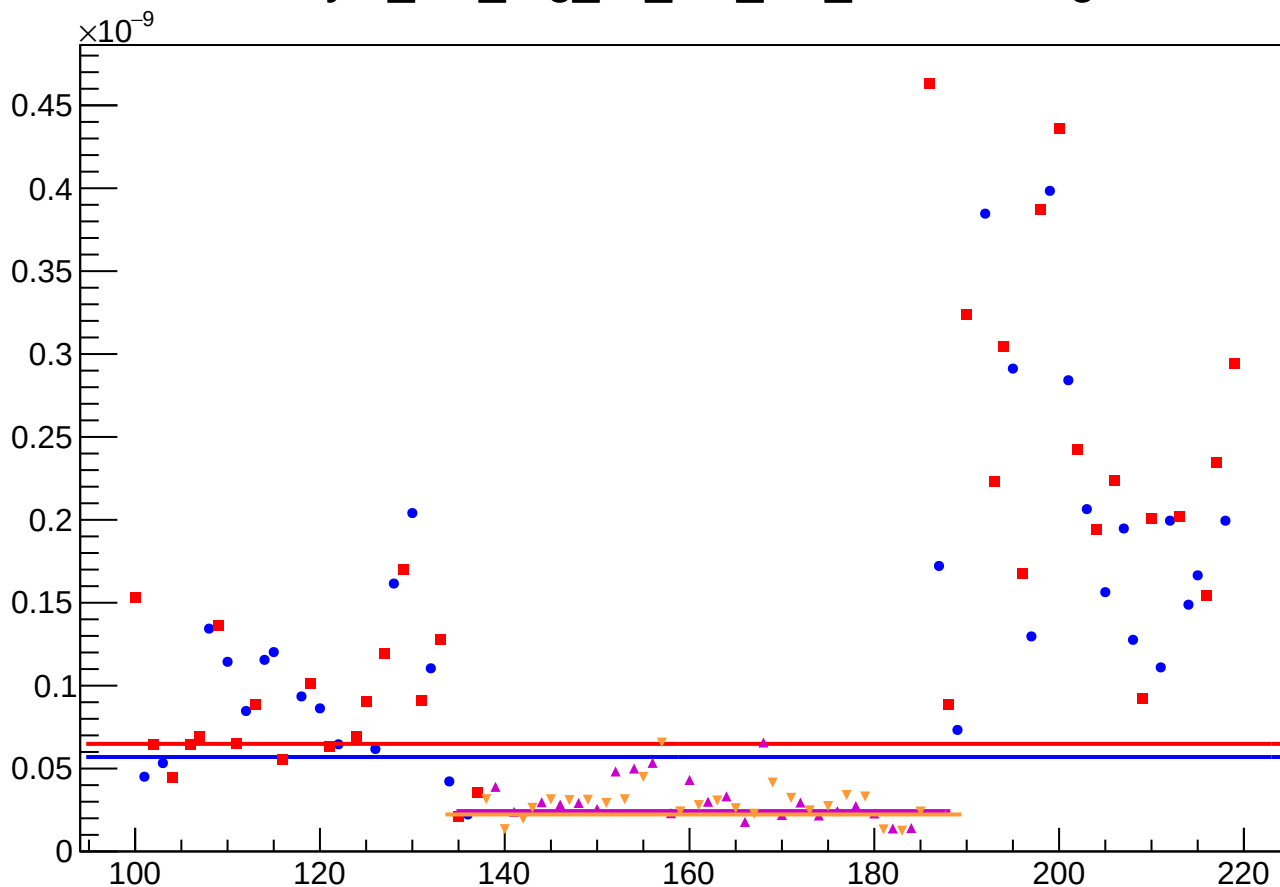
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 76.3/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 143.3/115

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67.0/58

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10846638.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10746401.8/35

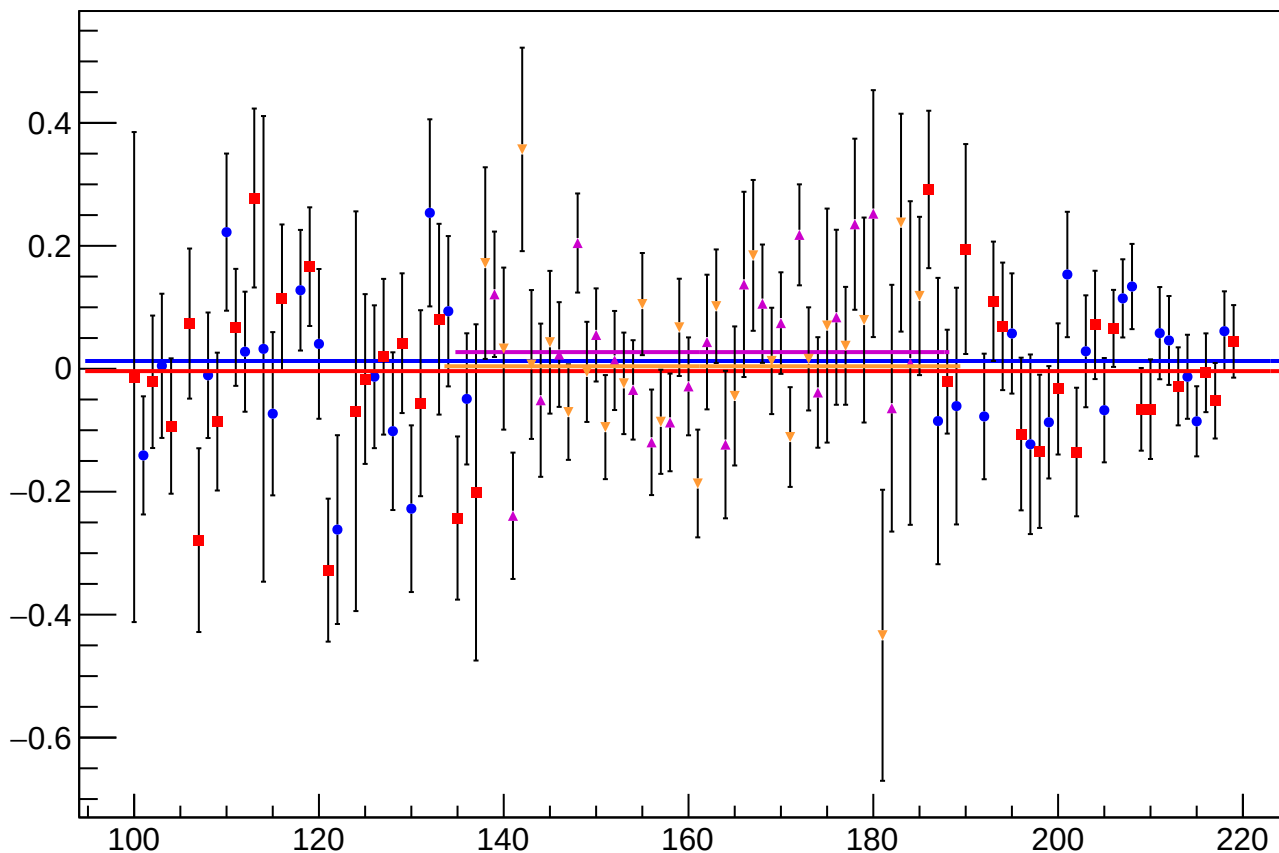
Left In: 0.000+/-0.000 χ^2/NDF : 3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 18740728.7/56

All: 0.000+/-0.000 χ^2/NDF : 37564040.2/115

- sign 0.000+/-0.000 χ^2/NDF : 18694376.3/58

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 33.7/31

Left Out: 0.004 ± 0.020 χ^2/NDF : 28.2/24

Right Out: -0.004 ± 0.016 χ^2/NDF : 42.4/35

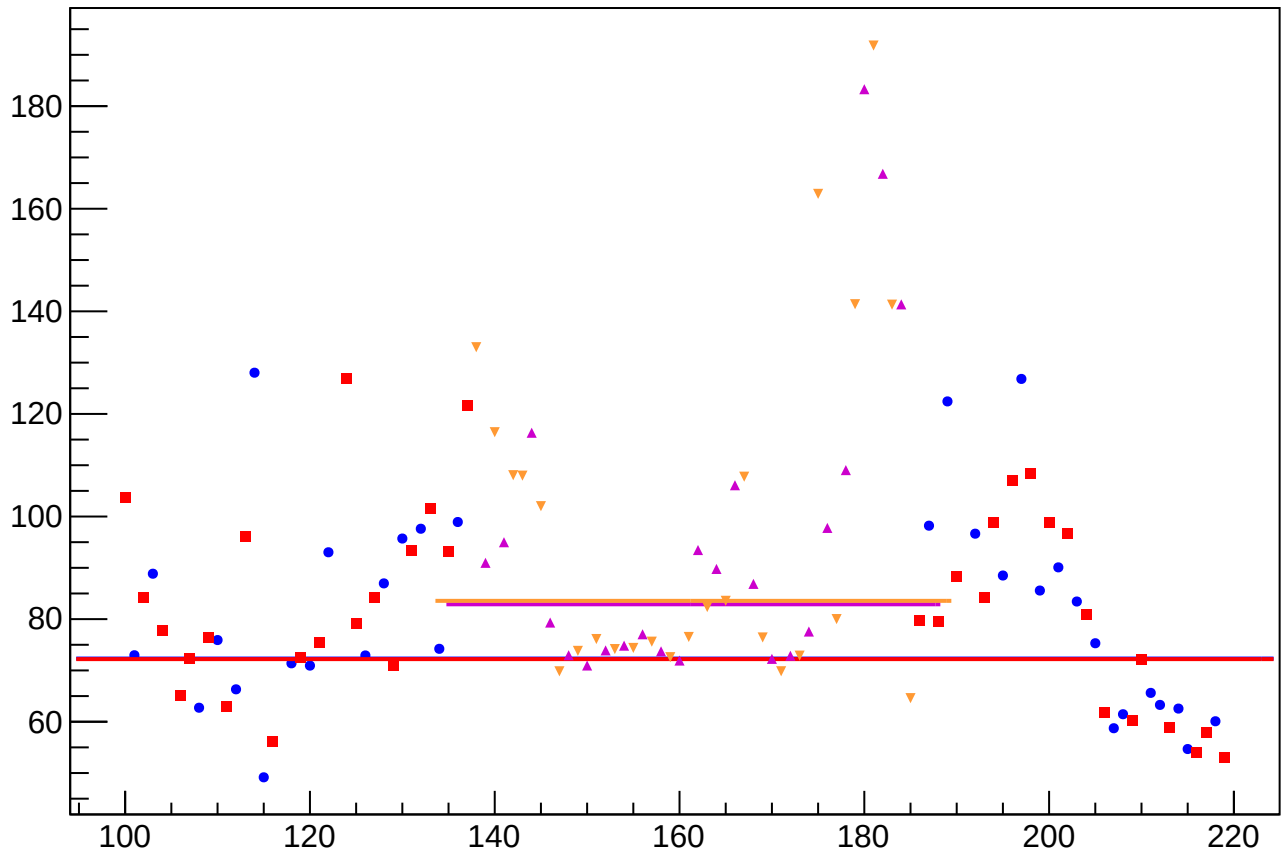
Left In: 0.027 ± 0.021 χ^2/NDF : 32.0/22

+ sign 0.009 ± 0.013 χ^2/NDF : 61.9/56

All: 0.009 ± 0.009 χ^2/NDF : 137.7/115

- sign 0.008 ± 0.013 χ^2/NDF : 75.7/58

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 72.311+/-0.012 χ^2/NDF : 1705937.2/31

Left Out: 83.564+/-0.014 χ^2/NDF : 2172931.4/24

Right Out: 72.205+/-0.012 χ^2/NDF : 1936640.9/35

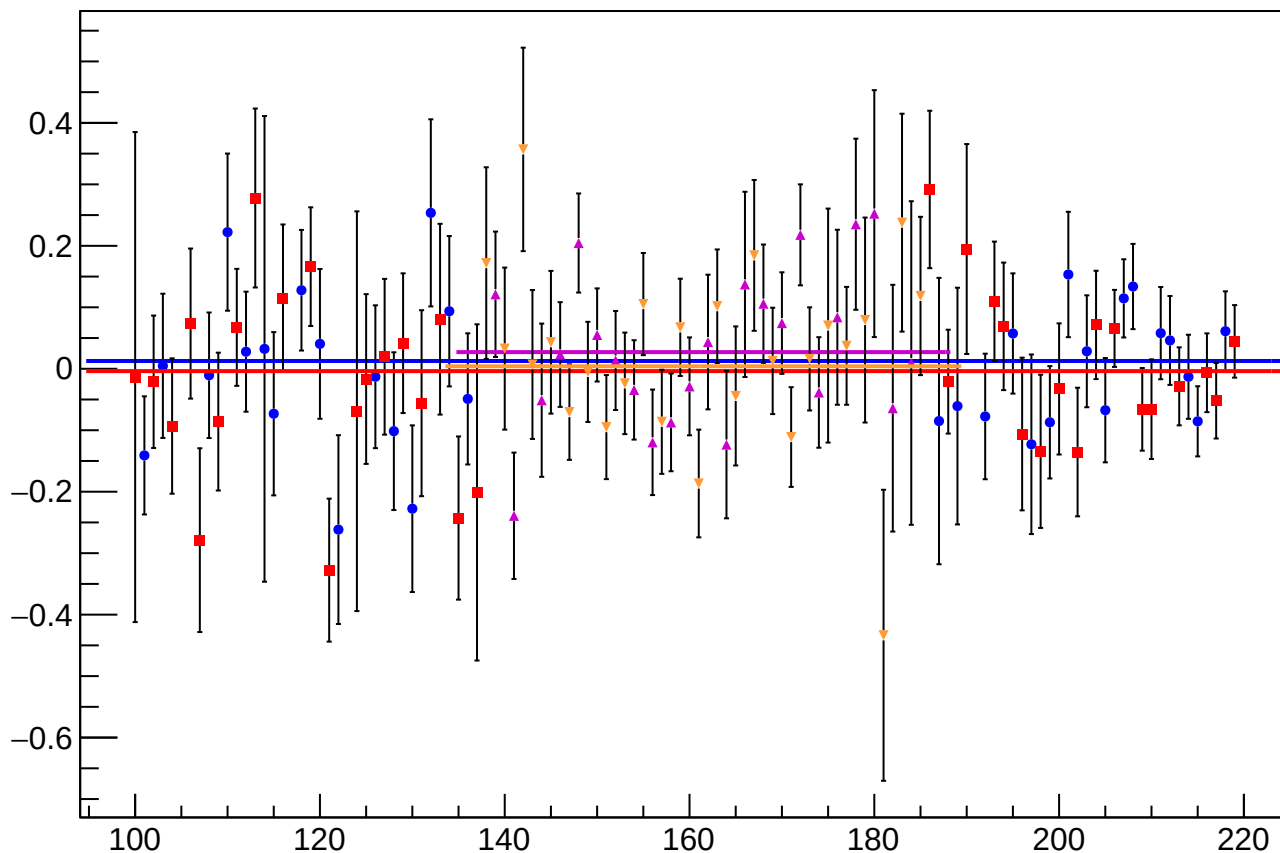
Left In: 82.891+/-0.015 χ^2/NDF : 1573003.1/22

+ sign 76.950+/-0.009 χ^2/NDF : 4239979.2/56

All: 76.668+/-0.006 χ^2/NDF : 8080356.8/115

- sign 76.393+/-0.009 χ^2/NDF : 3838521.3/58

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 33.7/31

Left Out: 0.004 ± 0.020 χ^2/NDF : 28.2/24

Right Out: -0.004 ± 0.016 χ^2/NDF : 42.4/35

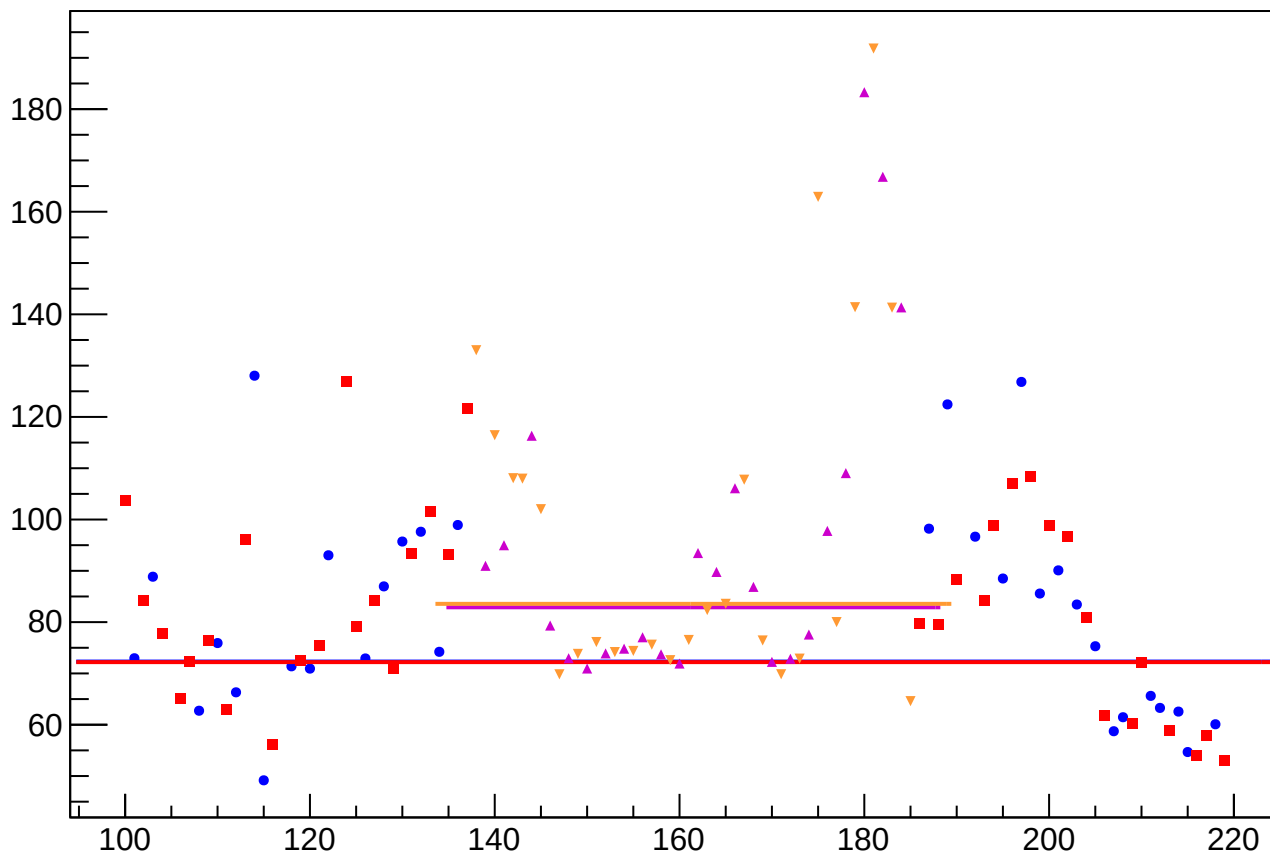
Left In: 0.027 ± 0.021 χ^2/NDF : 32.0/22

+ sign 0.009 ± 0.013 χ^2/NDF : 61.9/56

All: 0.009 ± 0.009 χ^2/NDF : 137.7/115

- sign 0.008 ± 0.013 χ^2/NDF : 75.7/58

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 72.311 $\pm$ 0.012 χ^2 /NDF: 1705937.2/31

Left Out: 83.564 $\pm$ 0.014 χ^2 /NDF: 2172931.4/24

Right Out: 72.205 $\pm$ 0.012 χ^2 /NDF: 1936640.9/35

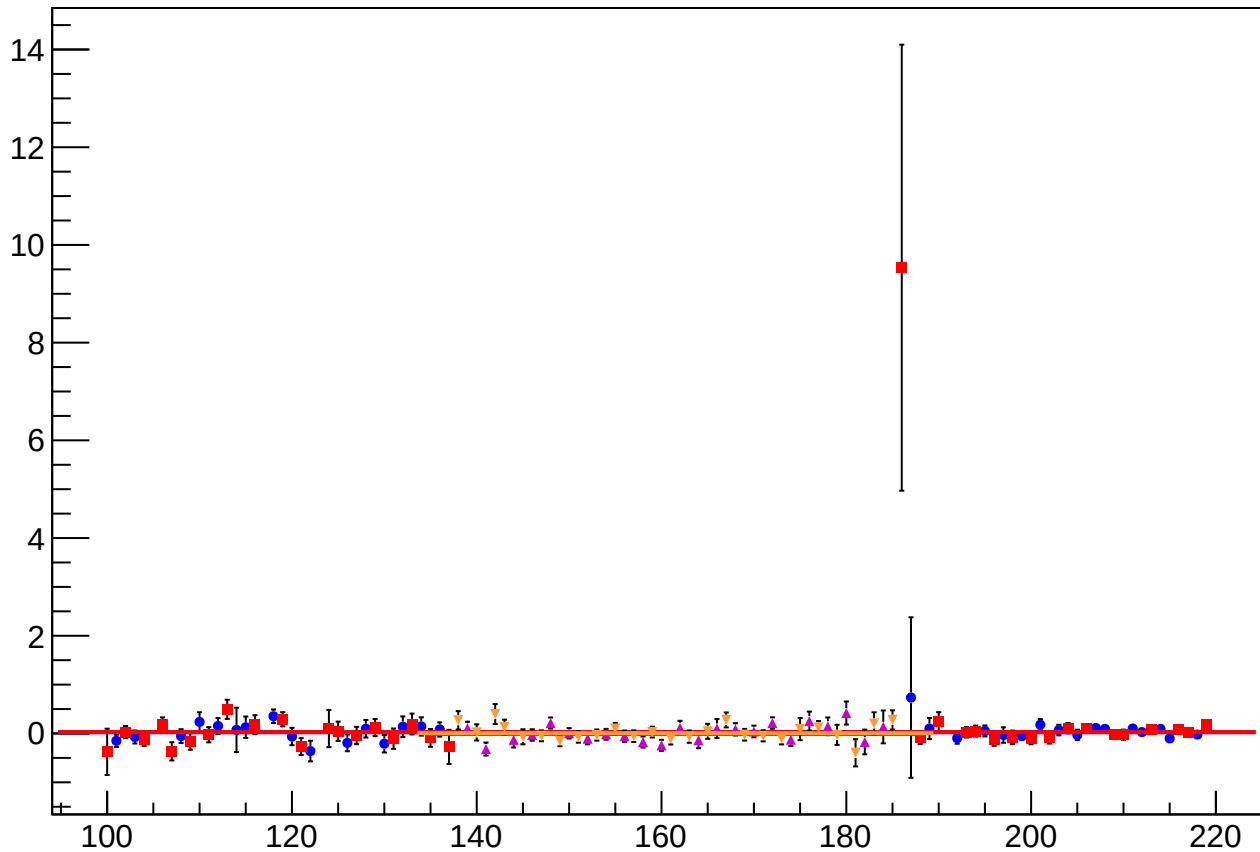
Left In: 82.891 $\pm$ 0.015 χ^2 /NDF: 1573003.1/22

+ sign 76.950 $\pm$ 0.009 χ^2 /NDF: 4239979.2/56

All: 76.668 $\pm$ 0.006 χ^2 /NDF: 8080356.8/115

- sign 76.393 $\pm$ 0.009 χ^2 /NDF: 3838521.3/58

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.026 ± 0.022 χ^2/NDF : 28.3/31

Left Out: 0.006 ± 0.028 χ^2/NDF : 21.3/24

Right Out: 0.028 ± 0.022 χ^2/NDF : 40.4/35

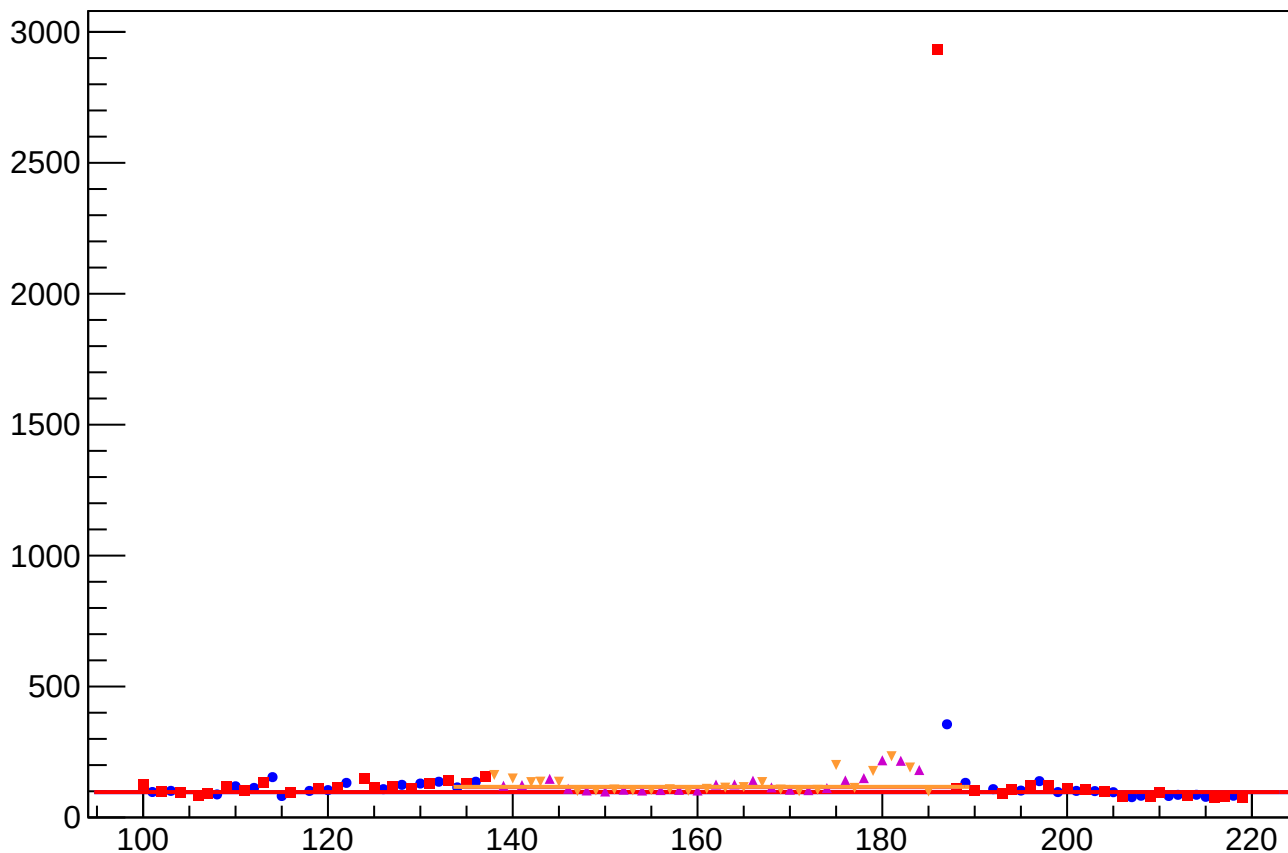
Left In: -0.010 ± 0.028 χ^2/NDF : 31.3/22

+ sign 0.018 ± 0.017 χ^2/NDF : 50.0/56

All: 0.016 ± 0.012 χ^2/NDF : 122.9/115

- sign 0.014 ± 0.017 χ^2/NDF : 72.9/58

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 96.507 $\pm$ 0.016 χ^2 /NDF: 1186990.7/31

Left Out: 116.880 $\pm$ 0.020 χ^2 /NDF: 1596935.1/24

Right Out: 96.907 $\pm$ 0.016 χ^2 /NDF: 1995229.1/35

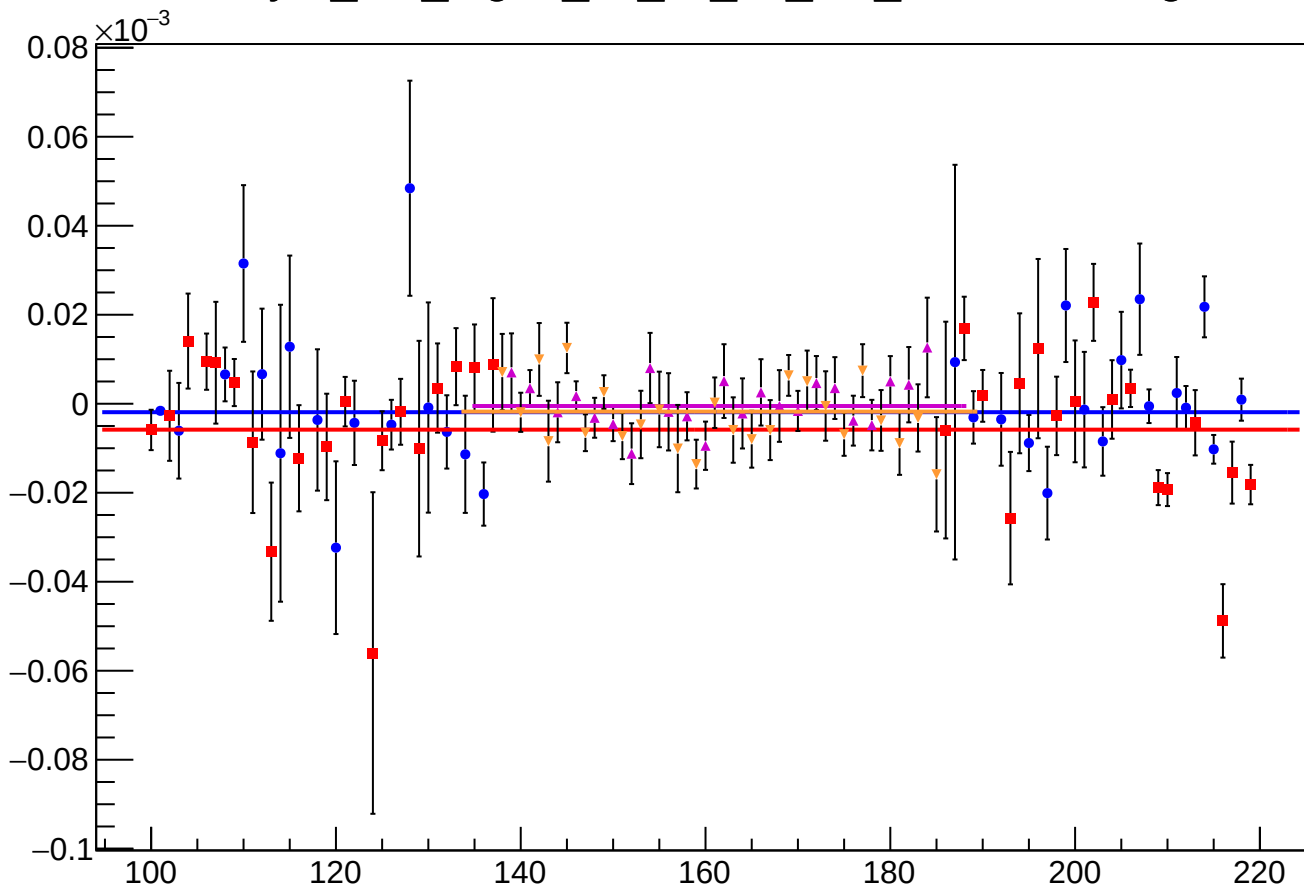
Left In: 115.858 $\pm$ 0.020 χ^2 /NDF: 1231382.1/22

+ sign 104.526 $\pm$ 0.012 χ^2 /NDF: 3437021.6/56

All: 104.291 $\pm$ 0.009 χ^2 /NDF: 7228160.9/115

- sign 104.058 $\pm$ 0.012 χ^2 /NDF: 3790414.2/58

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 54.8/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:31.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 121.1/35

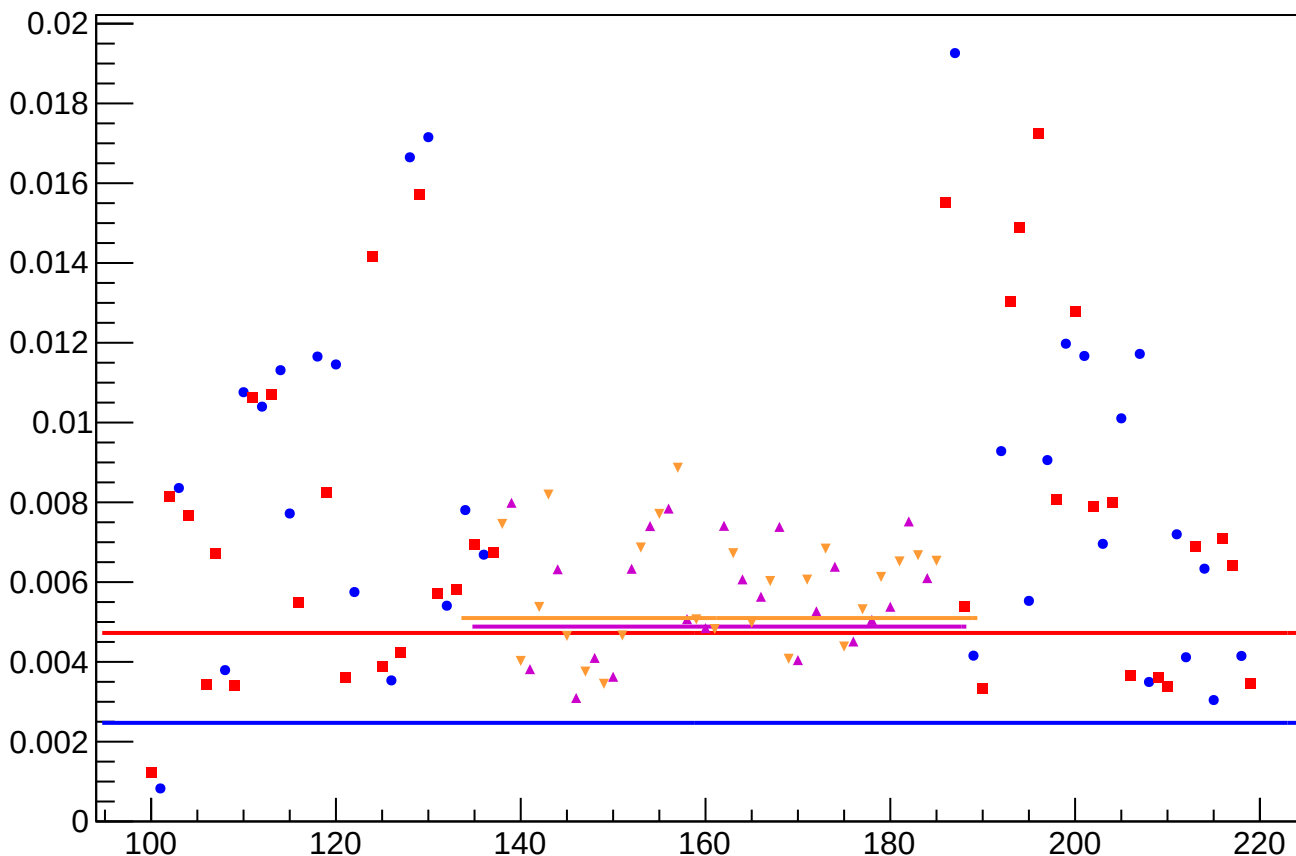
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:15.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 85.8/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 233.6/115

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 146.4/58

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 20565963.0/31

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 2378649.6/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 8896548.1/35

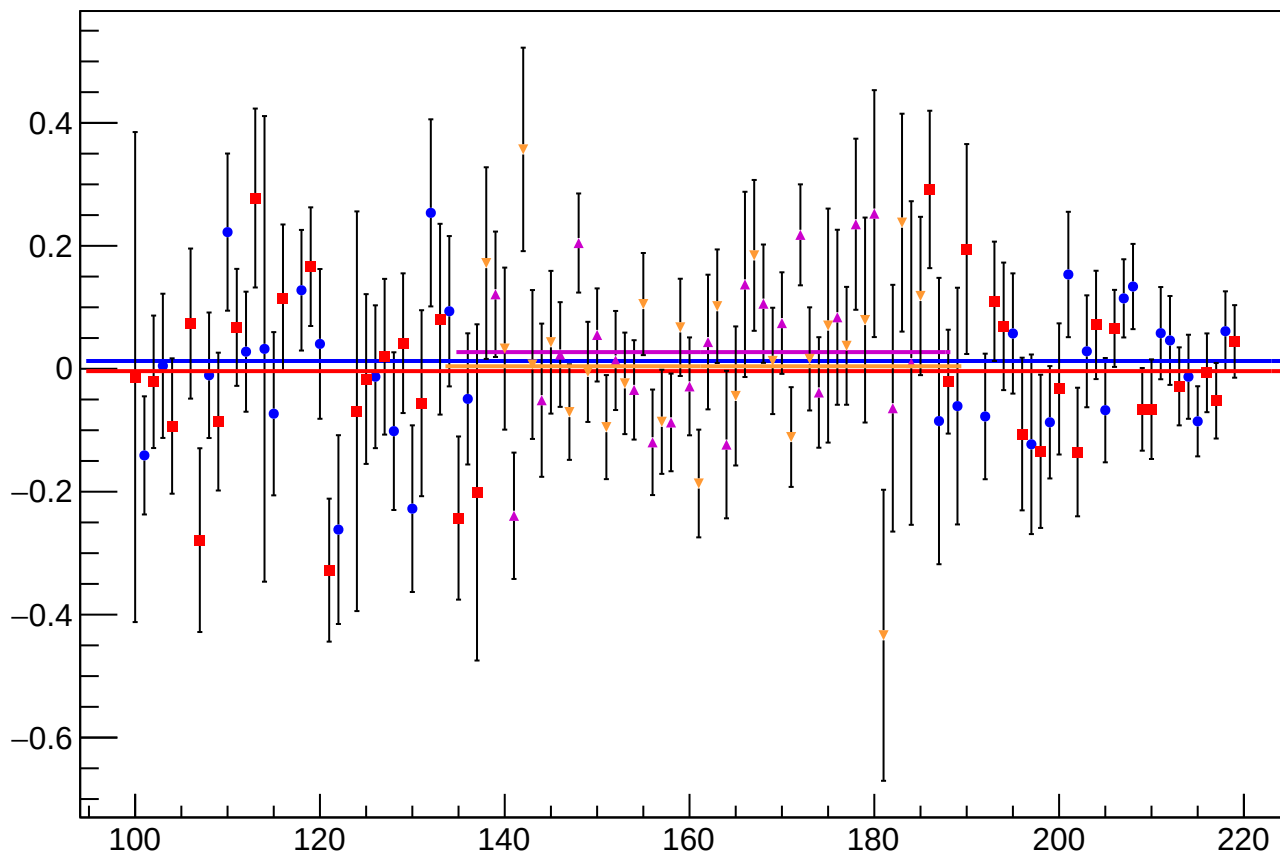
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2725463.9/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 29358817.7/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 44769155.2/115

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 11639400.1/58

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 33.7/31

Left Out: 0.004 $\pm$ 0.020 χ^2 /NDF: 28.2/24

Right Out: -0.004 $\pm$ 0.016 χ^2 /NDF: 42.4/35

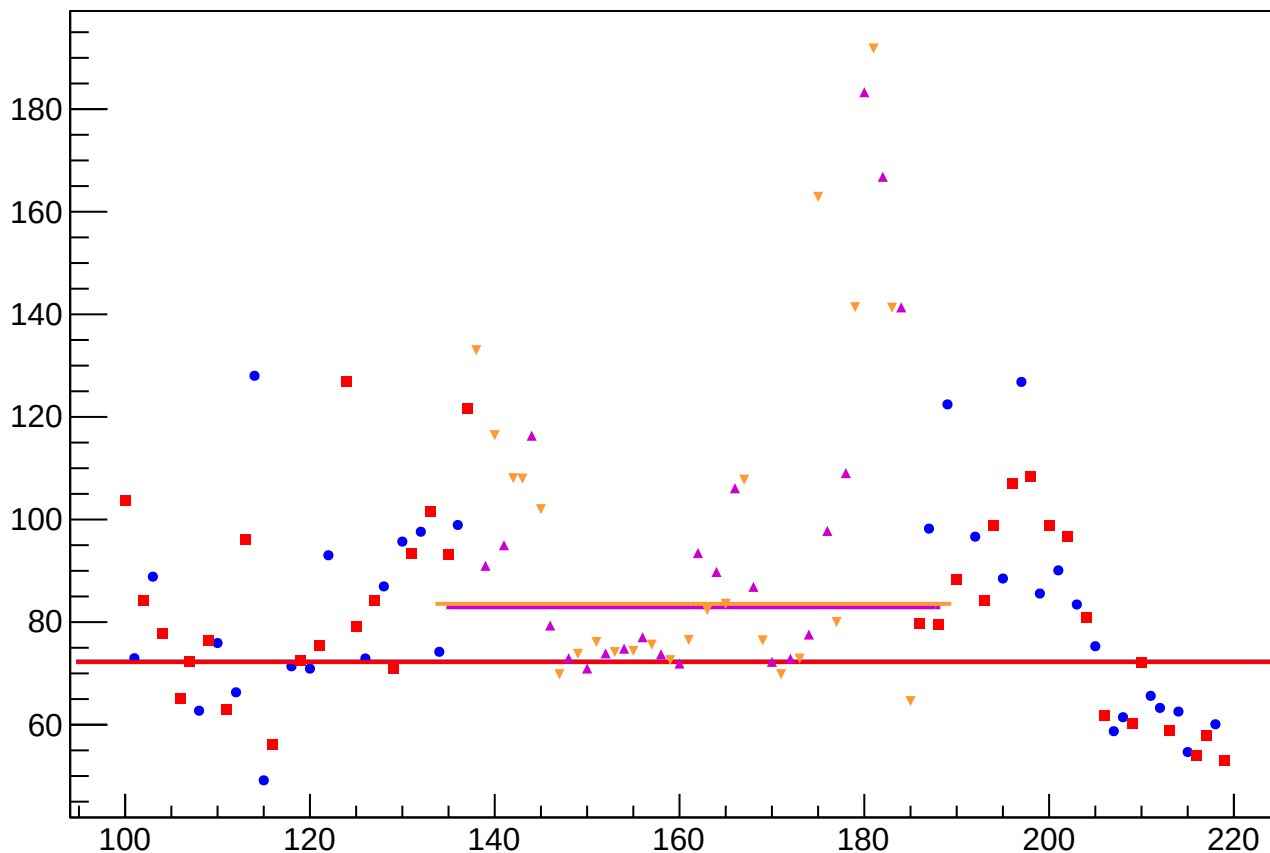
Left In: 0.027 $\pm$ 0.021 χ^2 /NDF: 32.0/22

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 61.9/56

All: 0.009 $\pm$ 0.009 χ^2 /NDF: 137.7/115

- sign 0.008 $\pm$ 0.013 χ^2 /NDF: 75.8/58

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 72.312 ± 0.012 χ^2/NDF : 1705799.2/31

Left Out: 83.565 ± 0.014 χ^2/NDF : 2172921.0/24

Right Out: 72.205 ± 0.012 χ^2/NDF : 1936579.9/35

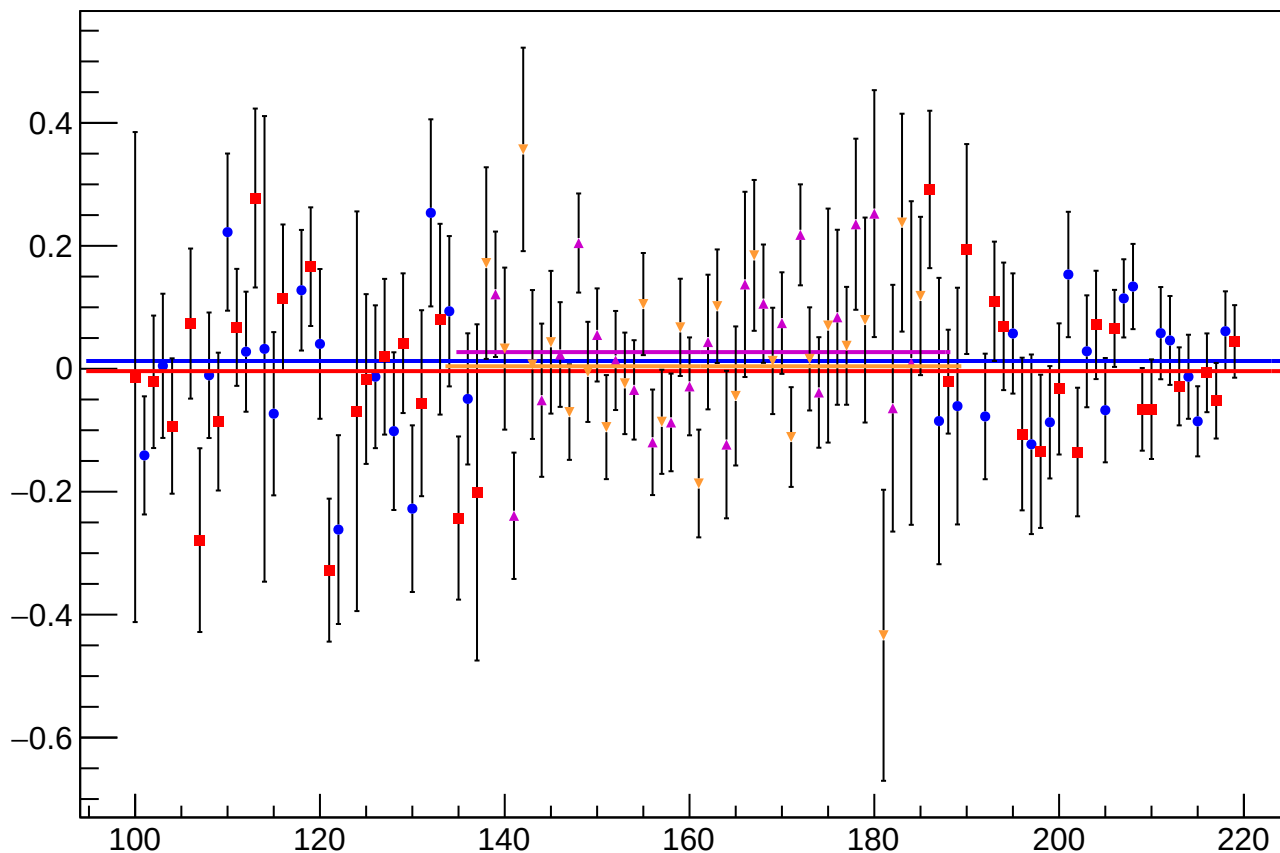
Left In: 82.891 ± 0.015 χ^2/NDF : 1572981.0/22

+ sign 76.951 ± 0.009 χ^2/NDF : 4239837.2/56

All: 76.668 ± 0.006 χ^2/NDF : 8080196.6/115

- sign 76.392 ± 0.009 χ^2/NDF : 3838498.1/58

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 33.7/31

Left Out: 0.004 ± 0.020 χ^2/NDF : 28.2/24

Right Out: -0.004 ± 0.016 χ^2/NDF : 42.4/35

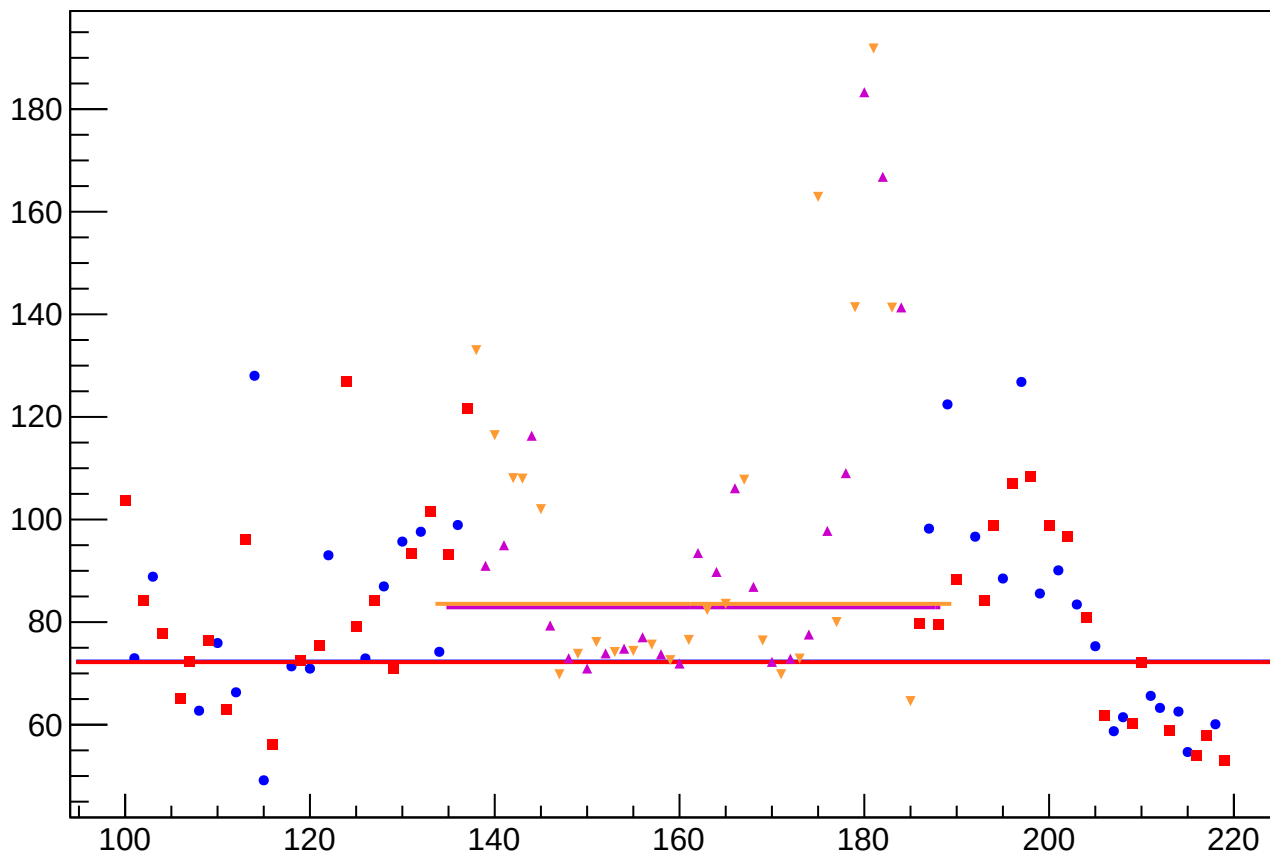
Left In: 0.027 ± 0.021 χ^2/NDF : 32.0/22

+ sign 0.009 ± 0.013 χ^2/NDF : 61.9/56

All: 0.009 ± 0.009 χ^2/NDF : 137.7/115

- sign 0.008 ± 0.013 χ^2/NDF : 75.8/58

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 72.312 $\pm$ 0.012 χ^2 /NDF: 1705799.2/31

Left Out: 83.565 $\pm$ 0.014 χ^2 /NDF: 2172921.0/24

Right Out: 72.205 $\pm$ 0.012 χ^2 /NDF: 1936579.9/35

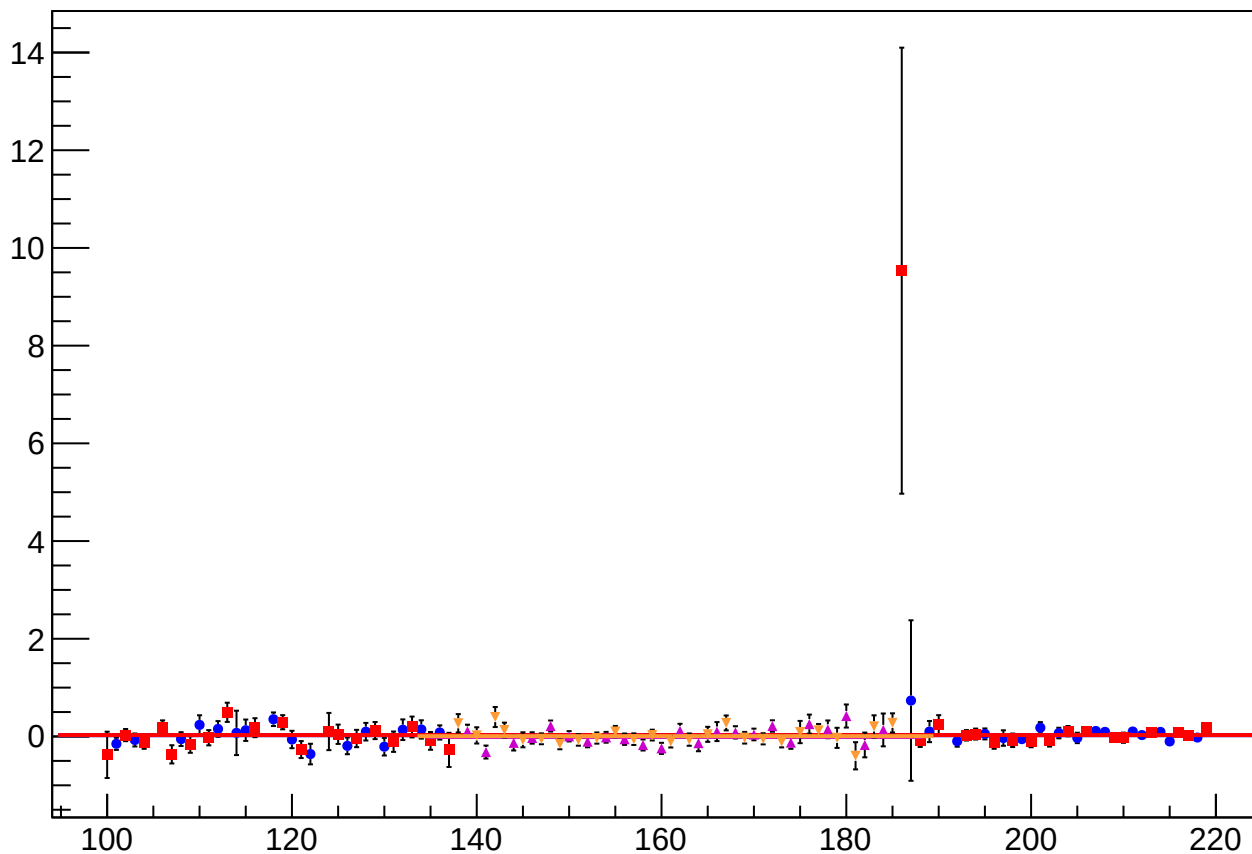
Left In: 82.891 $\pm$ 0.015 χ^2 /NDF: 1572981.0/22

+ sign 76.951 $\pm$ 0.009 χ^2 /NDF: 4239837.2/56

All: 76.668 $\pm$ 0.006 χ^2 /NDF: 8080196.6/115

- sign 76.392 $\pm$ 0.009 χ^2 /NDF: 3838498.1/58

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.026 ± 0.022 χ^2/NDF : 28.3/31

Left Out: 0.006 ± 0.028 χ^2/NDF : 21.3/24

Right Out: 0.028 ± 0.022 χ^2/NDF : 40.4/35

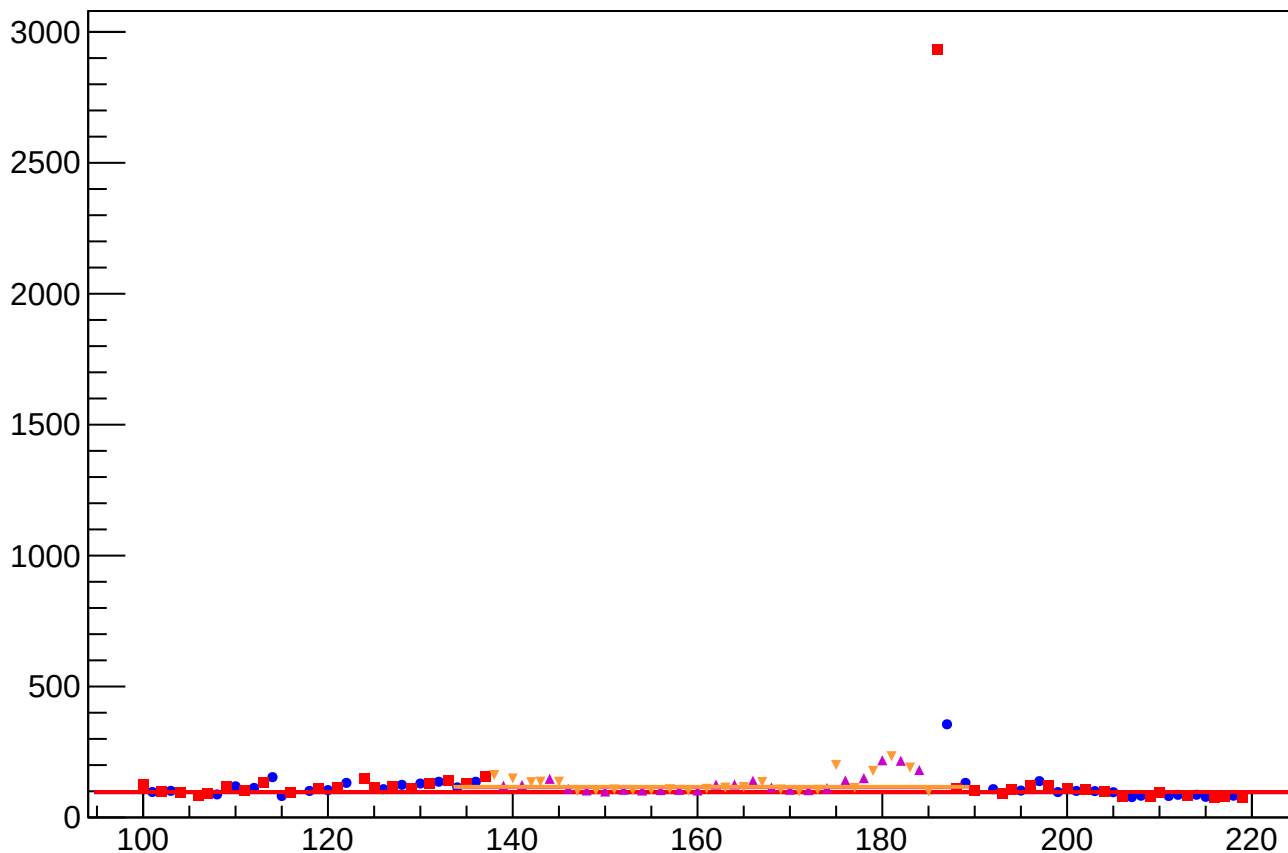
Left In: -0.010 ± 0.028 χ^2/NDF : 31.3/22

+ sign 0.018 ± 0.017 χ^2/NDF : 50.0/56

All: 0.016 ± 0.012 χ^2/NDF : 122.9/115

- sign 0.014 ± 0.017 χ^2/NDF : 72.9/58

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 96.508 $\pm$ 0.016 χ^2 /NDF: 1186864.5/31

Left Out: 116.880 $\pm$ 0.020 χ^2 /NDF: 1596928.7/24

Right Out: 96.907 $\pm$ 0.016 χ^2 /NDF: 1995170.3/35

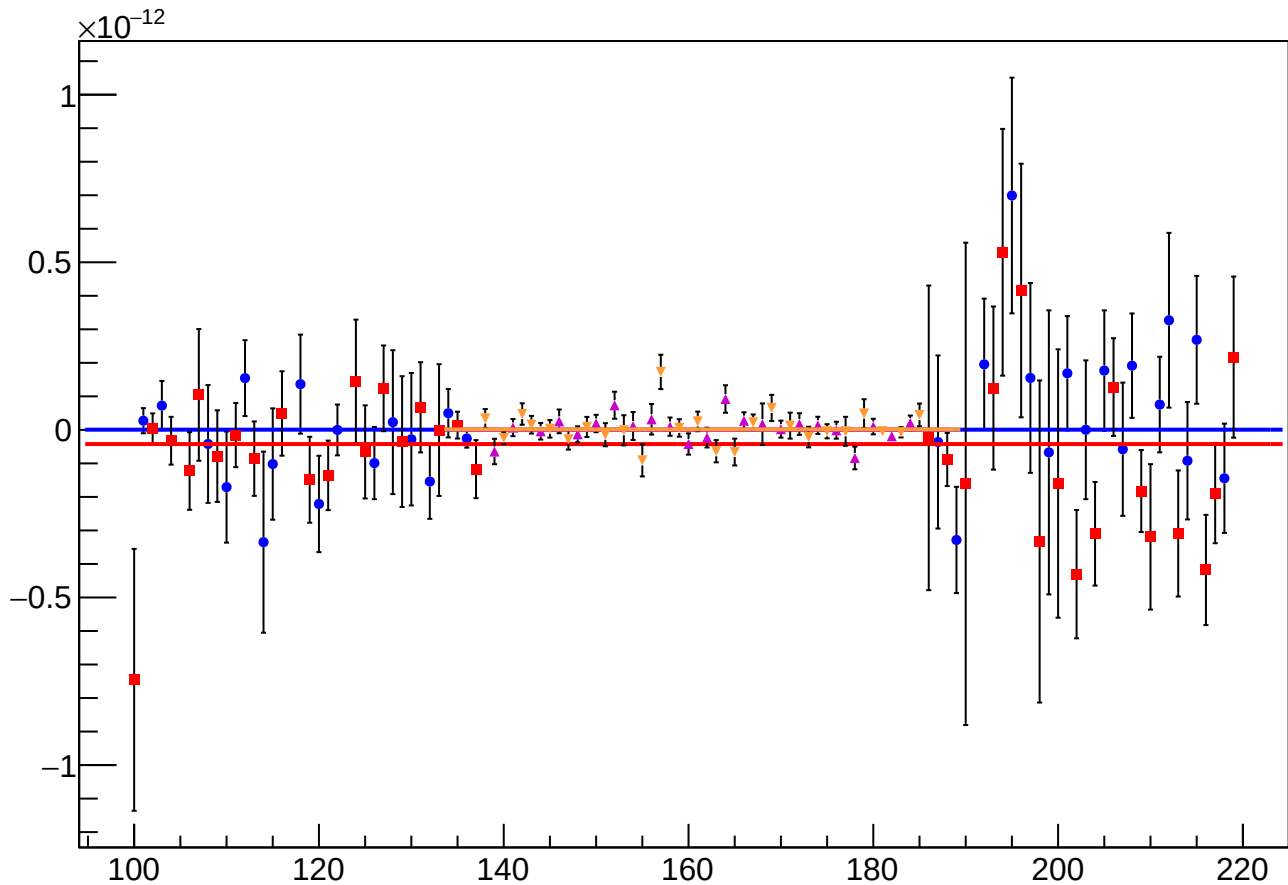
Left In: 115.858 $\pm$ 0.020 χ^2 /NDF: 1231371.8/22

+ sign 104.526 $\pm$ 0.012 χ^2 /NDF: 3436884.5/56

All: 104.291 $\pm$ 0.009 χ^2 /NDF: 7227990.9/115

- sign 104.058 $\pm$ 0.012 χ^2 /NDF: 3790379.6/58

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 31.8/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 36.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 39.7/35

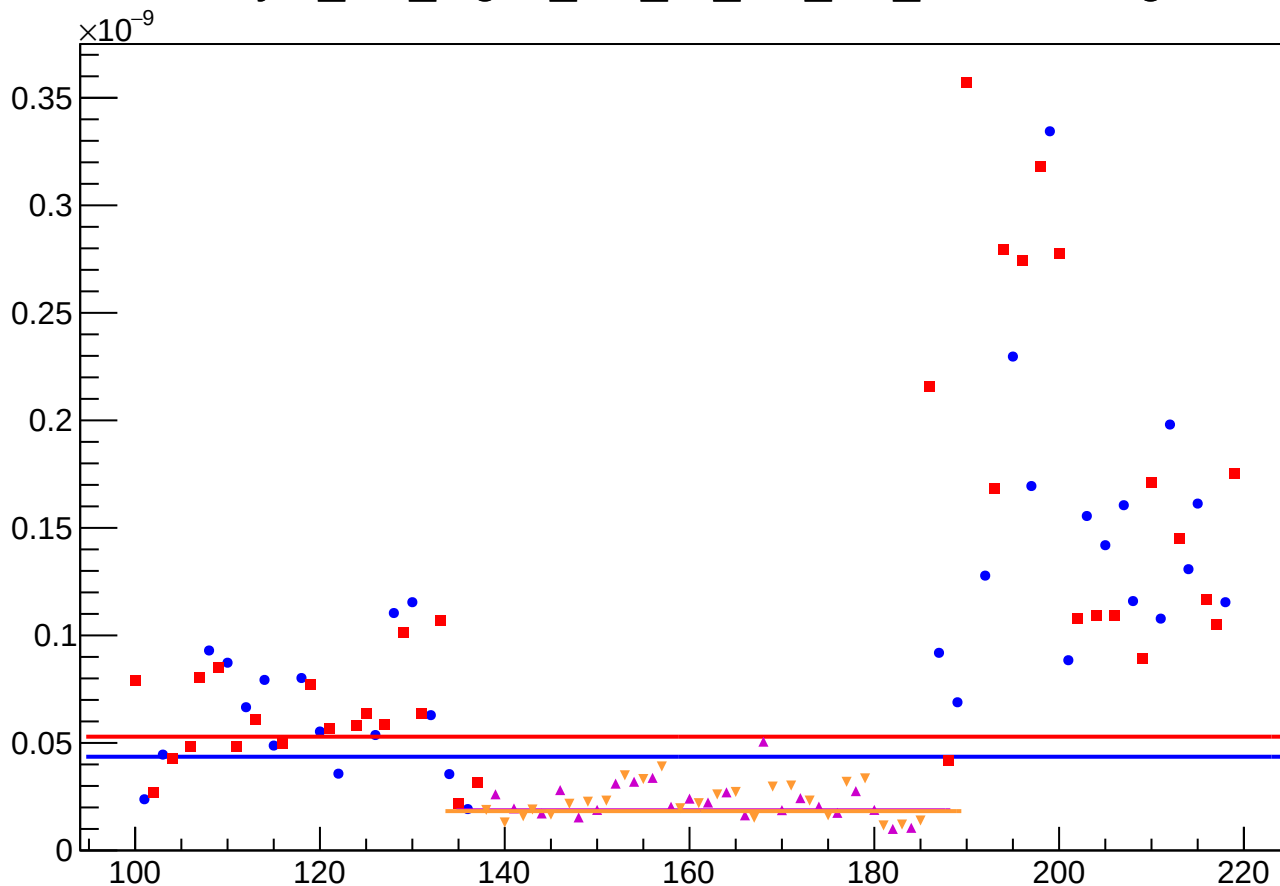
Left In: 0.000 ± 0.000 χ^2/NDF : 26.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 68.4/56

All: -0.000 ± 0.000 χ^2/NDF : 139.9/115

- sign -0.000 ± 0.000 χ^2/NDF : 71.2/58

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 10882053.7/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 3029080.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 9411825.8/35

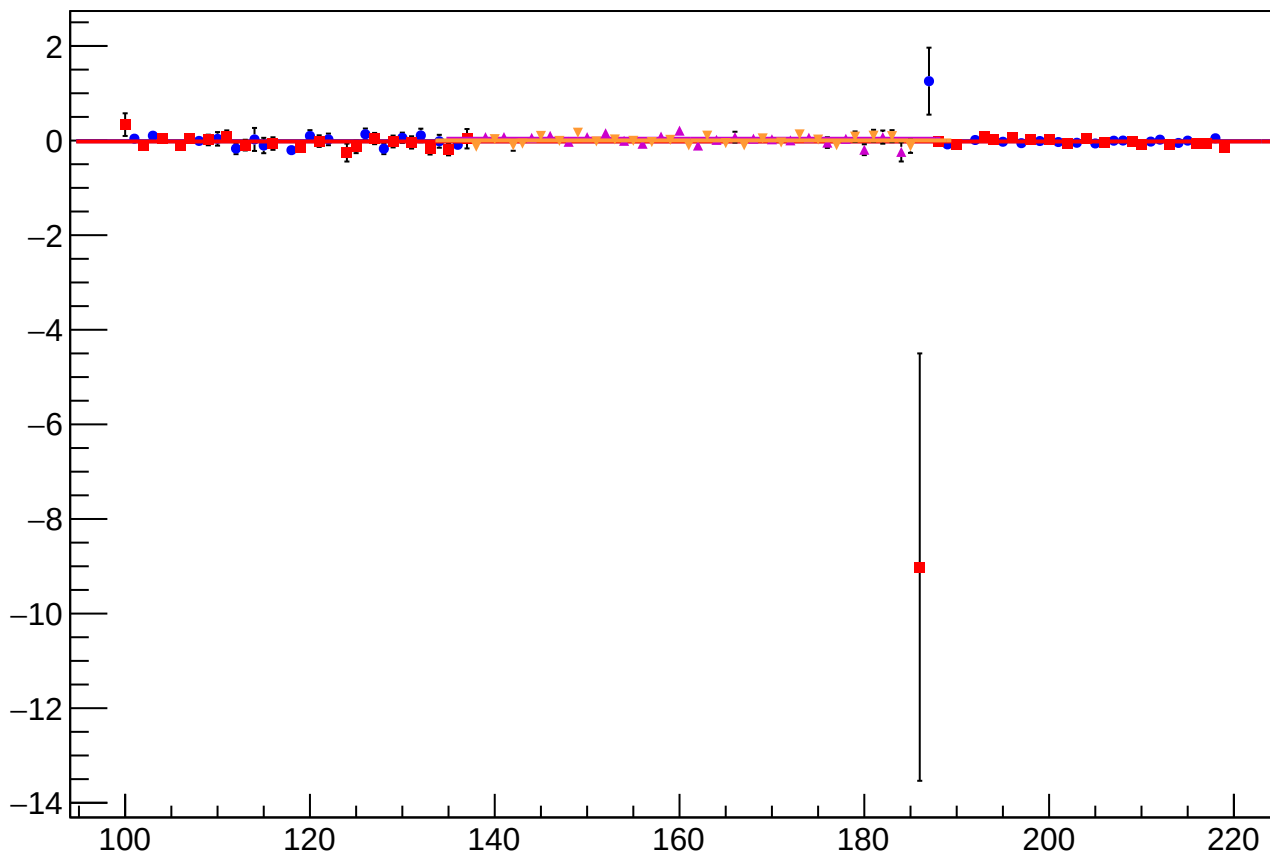
Left In: 0.000 ± 0.000 χ^2/NDF : 2908977.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 18011913.8/56

All: 0.000 ± 0.000 χ^2/NDF : 36339137.4/115

- sign 0.000 ± 0.000 χ^2/NDF : 18304399.5/58

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.013 ± 0.012 χ^2/NDF : 26.2/31

Left Out: 0.003 ± 0.017 χ^2/NDF : 21.5/24

Right Out: -0.019 ± 0.011 χ^2/NDF : 47.4/35

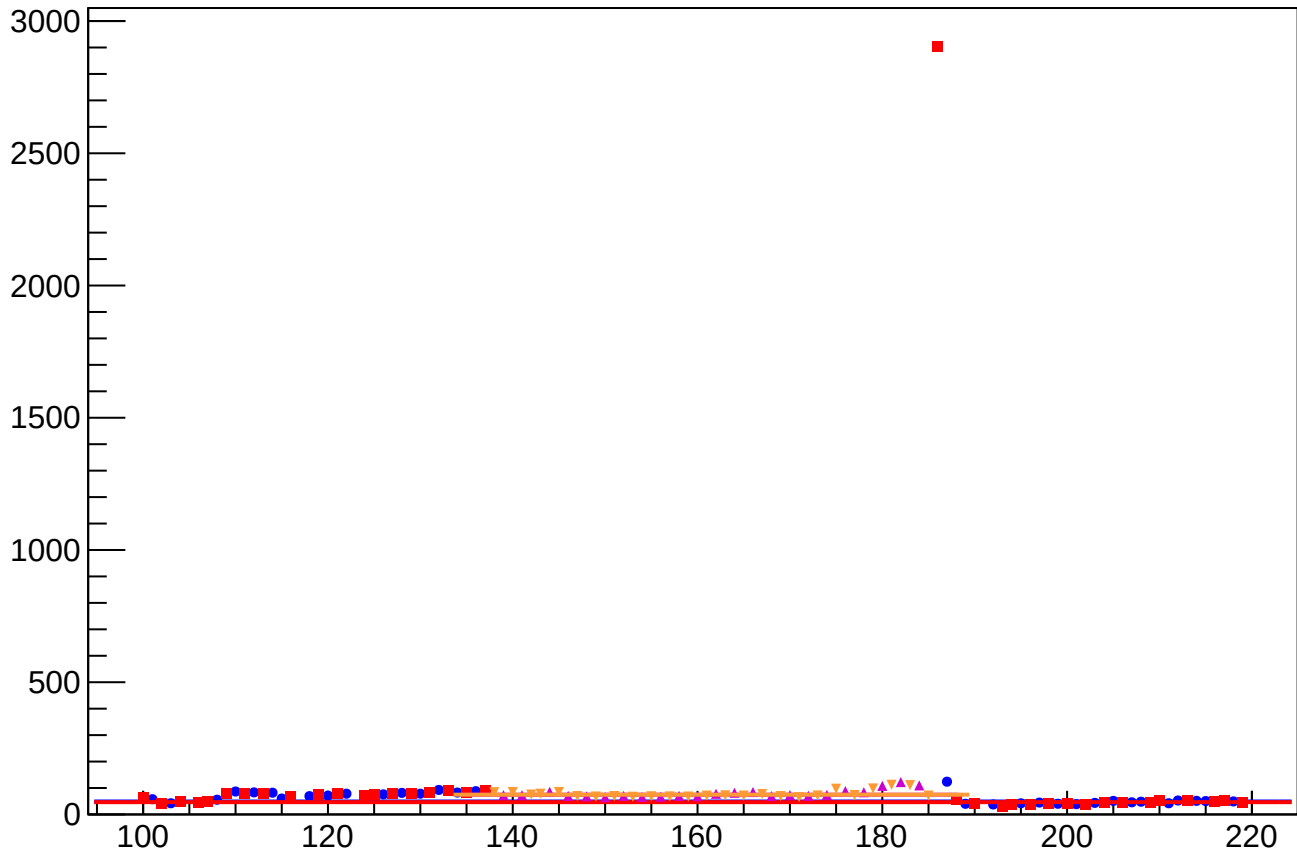
Left In: 0.038 ± 0.018 χ^2/NDF : 21.6/22

+ sign -0.008 ± 0.010 χ^2/NDF : 48.3/56

All: -0.006 ± 0.007 χ^2/NDF : 125.0/115

- sign -0.004 ± 0.009 χ^2/NDF : 76.6/58

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 48.955+/-0.008 χ^2/NDF : 2299331.2/31

Left Out: 74.749+/-0.012 χ^2/NDF : 744366.0/24

Right Out: 46.500+/-0.008 χ^2/NDF : 3693038.6/35

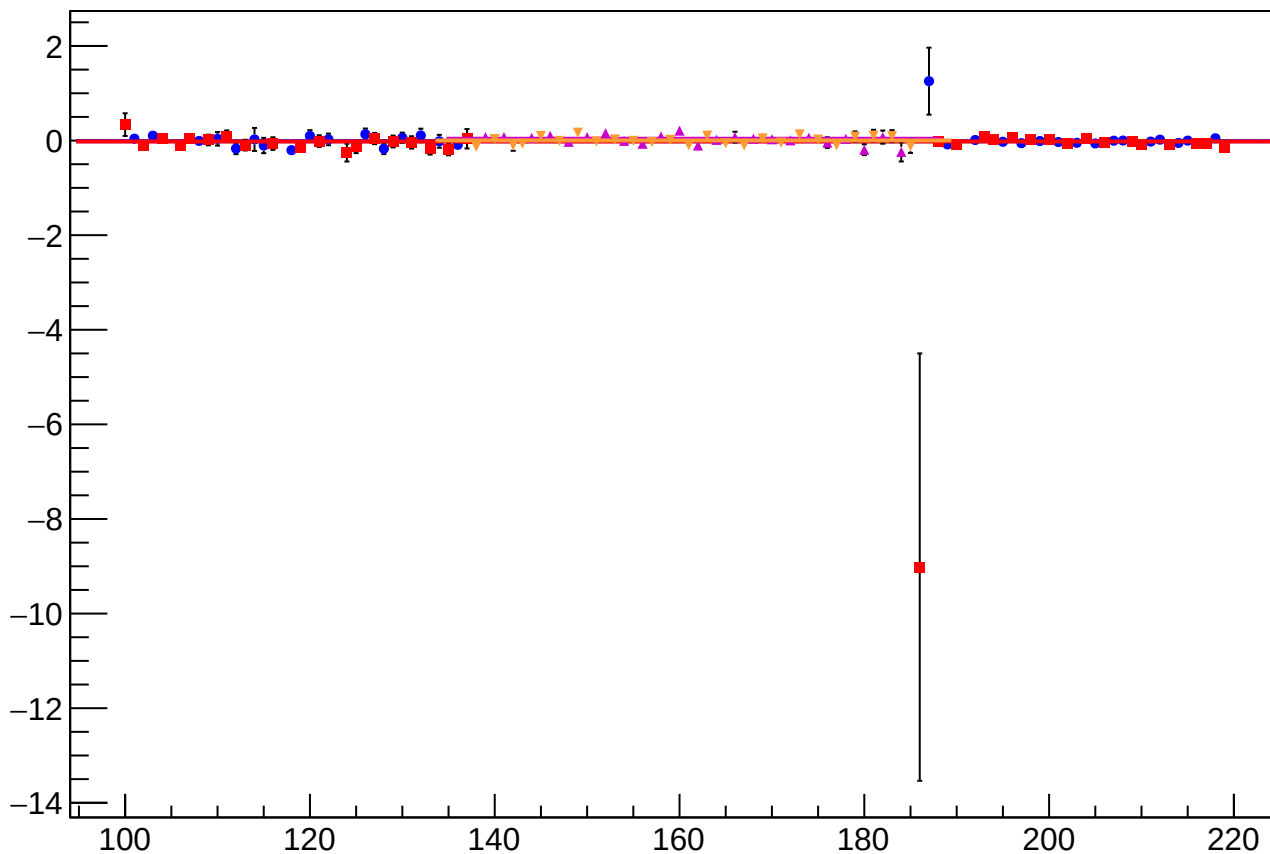
Left In: 74.601+/-0.013 χ^2/NDF : 713751.1/22

+ sign 56.842+/-0.007 χ^2/NDF : 6085874.0/56

All: 55.442+/-0.005 χ^2/NDF : 14173996.6/115

- sign 54.134+/-0.007 χ^2/NDF : 8006518.9/58

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: -0.013 ± 0.012 χ^2/NDF : 26.2/31

Left Out: 0.003 ± 0.017 χ^2/NDF : 21.5/24

Right Out: -0.019 ± 0.011 χ^2/NDF : 47.4/35

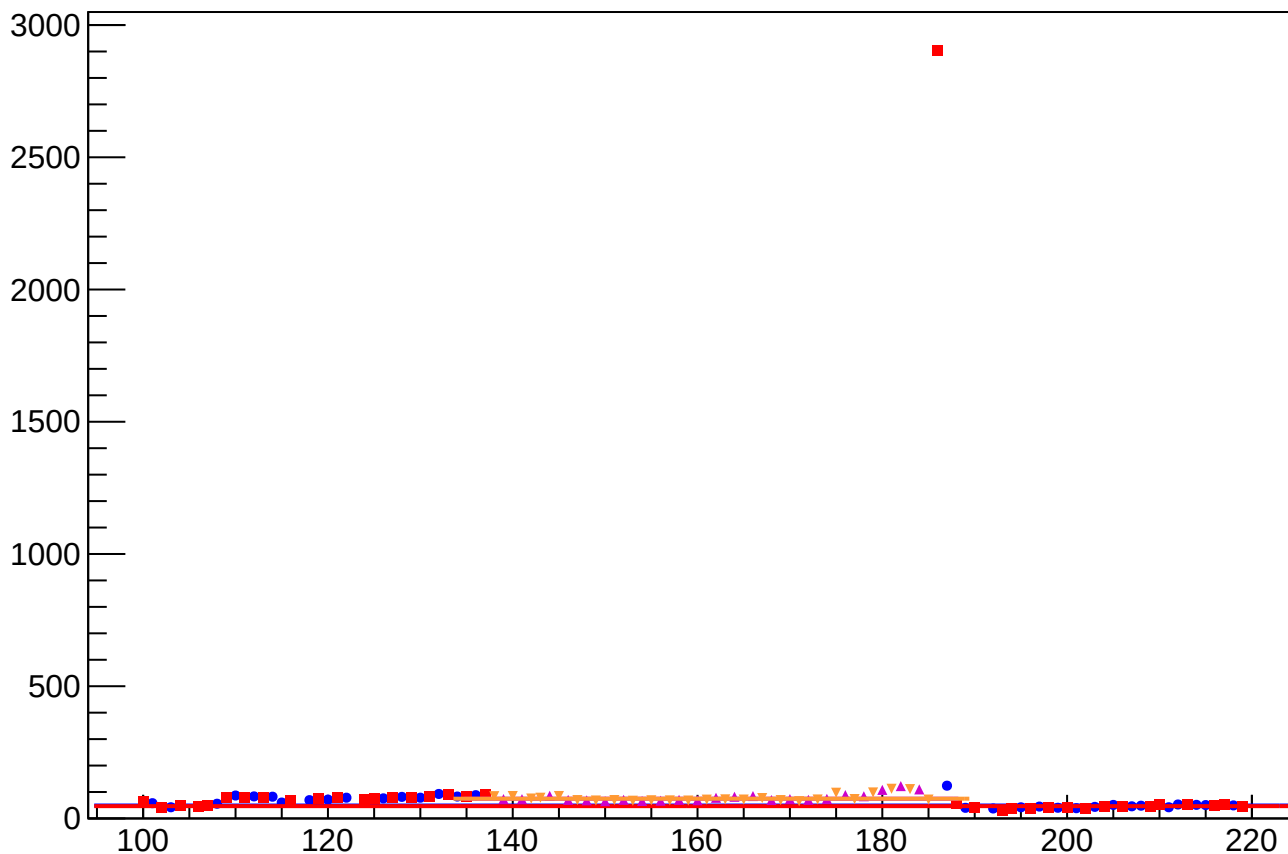
Left In: 0.038 ± 0.018 χ^2/NDF : 21.6/22

+ sign -0.008 ± 0.010 χ^2/NDF : 48.3/56

All: -0.006 ± 0.007 χ^2/NDF : 125.0/115

- sign -0.004 ± 0.009 χ^2/NDF : 76.6/58

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 48.955+/-0.008 χ^2/NDF : 2299331.2/31

Left Out: 74.749+/-0.012 χ^2/NDF : 744366.0/24

Right Out: 46.500+/-0.008 χ^2/NDF : 3693038.6/35

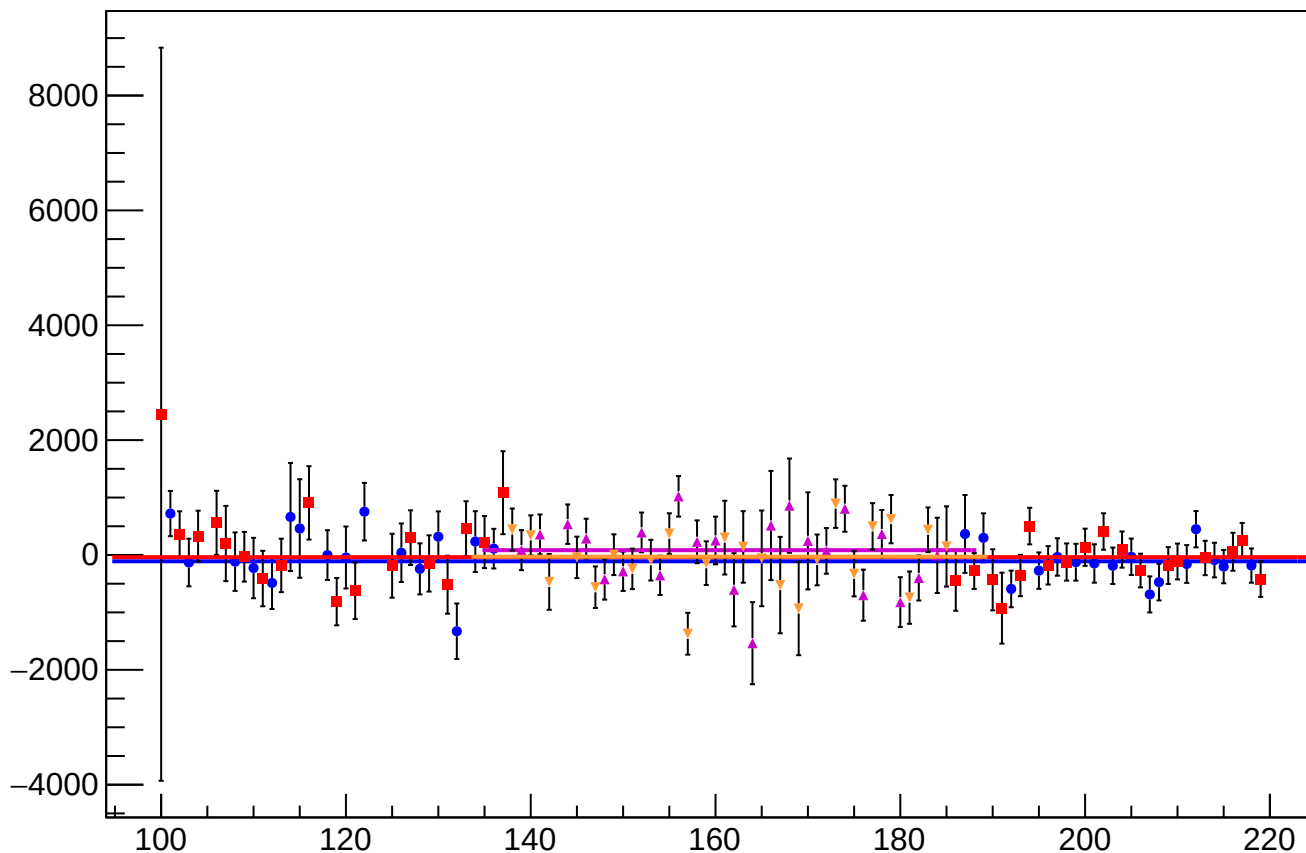
Left In: 74.601+/-0.013 χ^2/NDF : 713751.1/22

+ sign 56.842+/-0.007 χ^2/NDF : 6085874.0/56

All: 55.442+/-0.005 χ^2/NDF : 14173996.6/115

- sign 54.134+/-0.007 χ^2/NDF : 8006518.9/58

asym_dsl_mean vs Slug



Right In: -110.039 ± 67.582 χ^2/NDF : 29.8/31

Left Out: -29.346 ± 86.530 χ^2/NDF : 36.6/23

Right Out: -37.930 ± 66.004 χ^2/NDF : 29.9/35

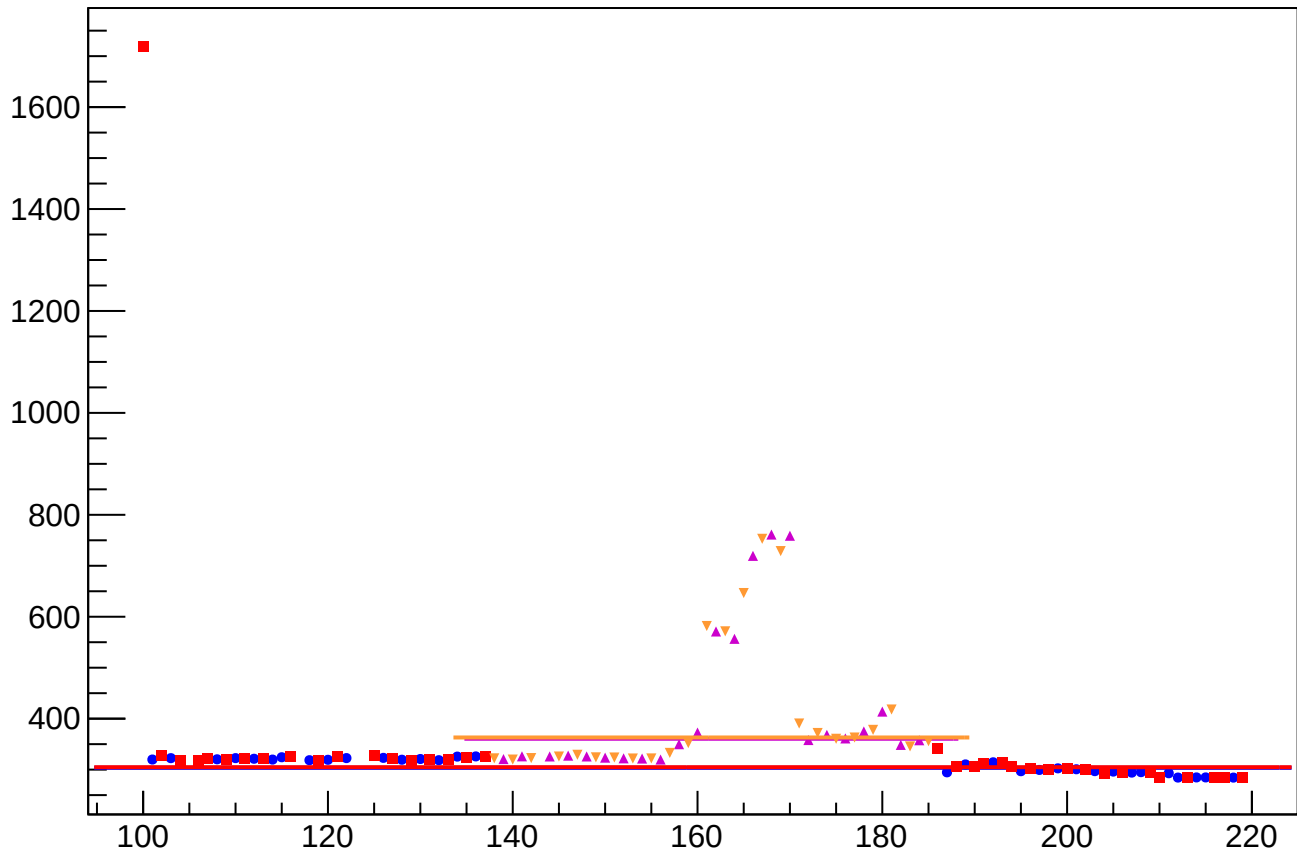
Left In: 83.719 ± 86.476 χ^2/NDF : 35.8/22

+ sign -79.466 ± 53.262 χ^2/NDF : 66.9/55

All: -35.658 ± 37.378 χ^2/NDF : 135.2/114

- sign 6.851 ± 52.467 χ^2/NDF : 67.0/58

asym_dsl_rms vs Slug



Right In: 303.527+/-0.048 χ^2/NDF : 90111.1/31

Left Out: 363.079+/-0.061 χ^2/NDF : 1795570.0/23

Right Out: 304.738+/-0.047 χ^2/NDF : 203334.0/35

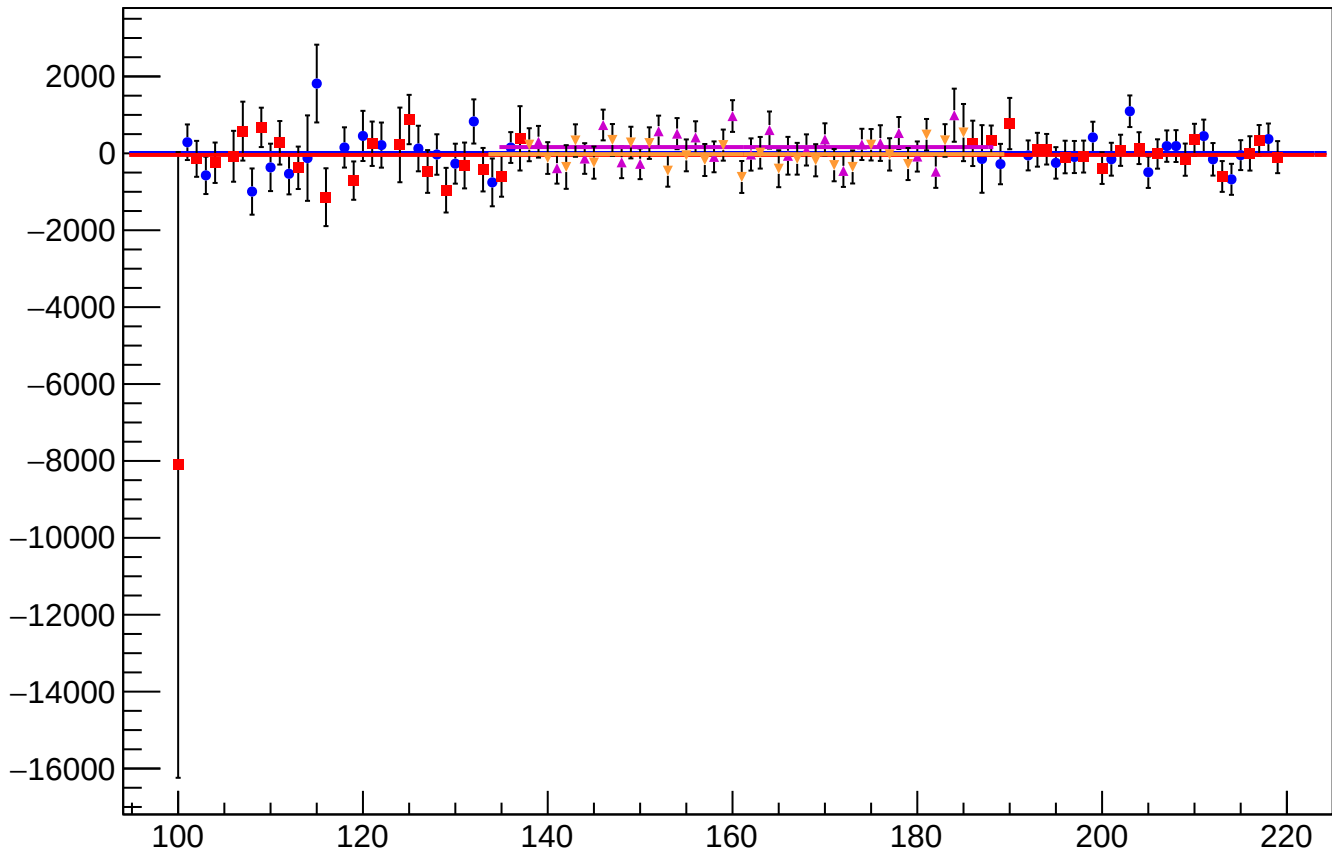
Left In: 360.585+/-0.061 χ^2/NDF : 1817691.0/22

+ sign 326.091+/-0.038 χ^2/NDF : 2474065.3/55

All: 325.687+/-0.026 χ^2/NDF : 5022402.0/114

- sign 325.296+/-0.037 χ^2/NDF : 2548110.9/58

asym_dsr_mean vs Slug



Right In: 9.417 ± 84.859 χ^2/NDF : 29.6/31

Left Out: -21.061 ± 85.620 χ^2/NDF : 12.6/24

Right Out: -41.180 ± 82.860 χ^2/NDF : 23.6/35

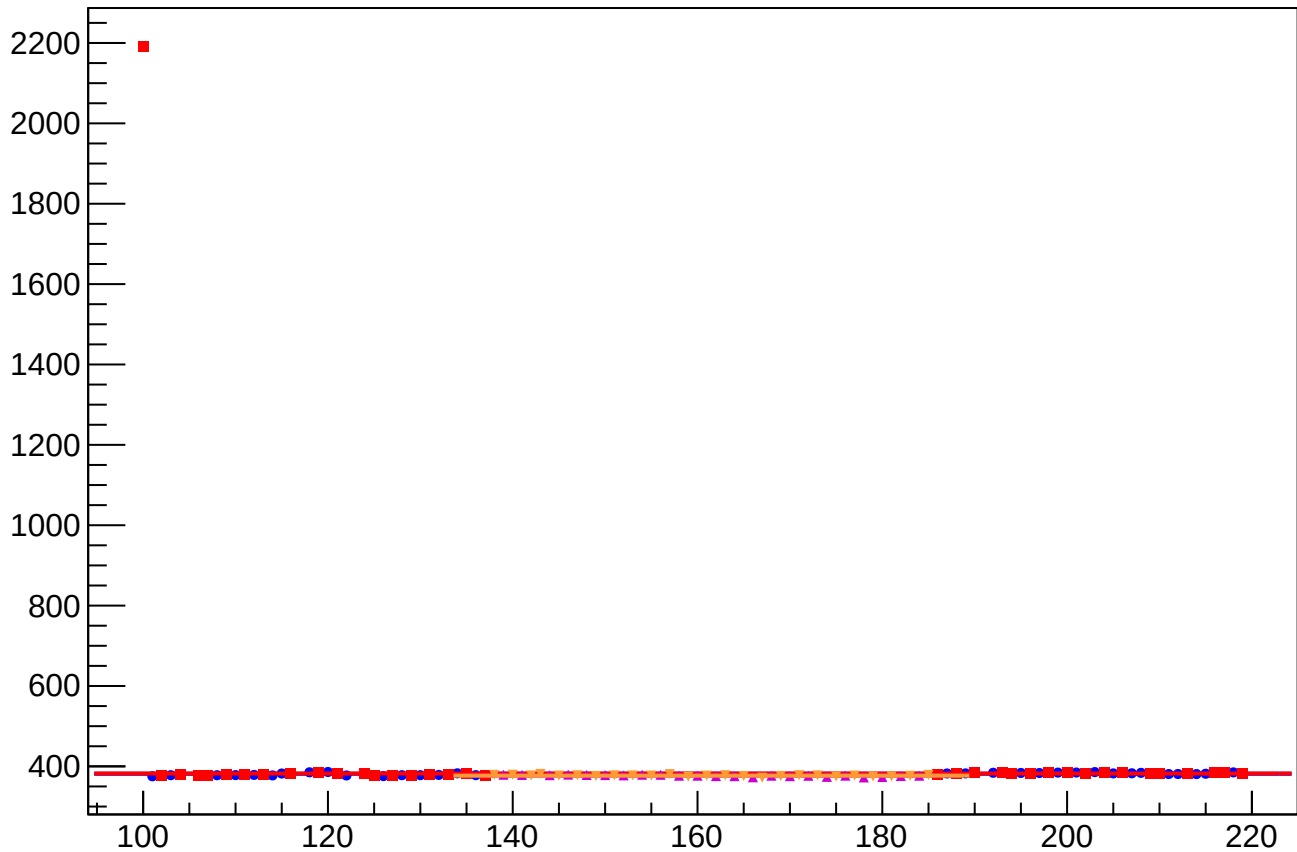
Left In: 162.992 ± 87.991 χ^2/NDF : 21.8/22

+ sign -5.686 ± 60.272 χ^2/NDF : 42.2/56

All: 24.521 ± 42.637 χ^2/NDF : 91.0/115

- sign 54.779 ± 60.323 χ^2/NDF : 48.2/58

asym_dsr_rms vs Slug



Right In: 381.594+/-0.060 χ^2/NDF : 2399.5/31

Left Out: 376.906+/-0.061 χ^2/NDF :1058.3/24

Right Out: 382.186+/-0.059 χ^2/NDF : 100817.8/35

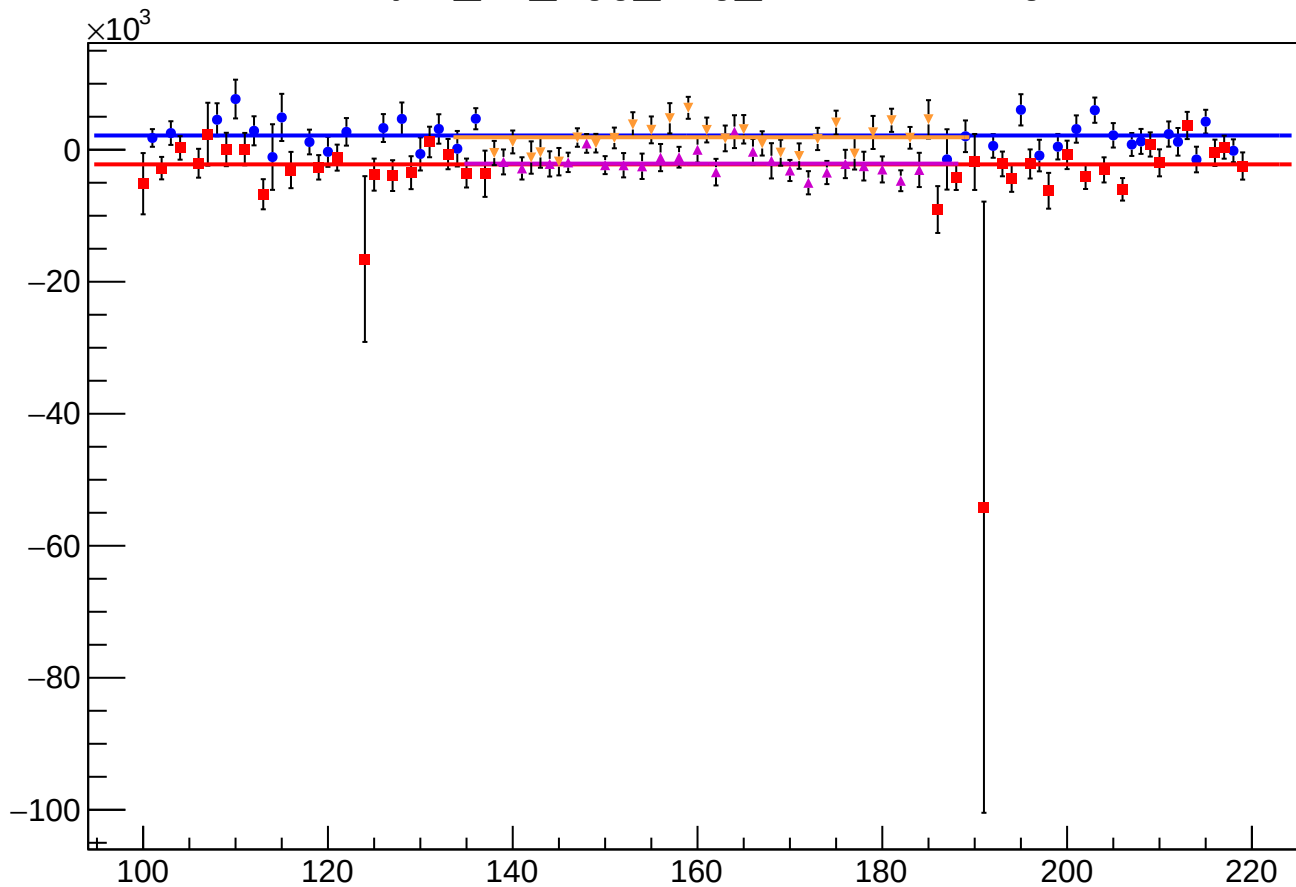
Left In: 376.846+/-0.062 χ^2/NDF :1074.1/22

+ sign 379.271+/-0.043 χ^2/NDF : 6483.0/56

All: 379.473+/-0.030 χ^2/NDF : 112324.5/115

- sign 379.676+/-0.043 χ^2/NDF : 105796.3/58

asym_us_agg_avg_mean vs Slug



Right In: 2158.357 $\pm$ 366.922 χ^2/NDF : 31.5/31

Left Out: 1891.201 $\pm$ 375.290 χ^2/NDF : 28.4/24

Right Out: -2216.382 $\pm$ 369.821 χ^2/NDF : 44.7/36

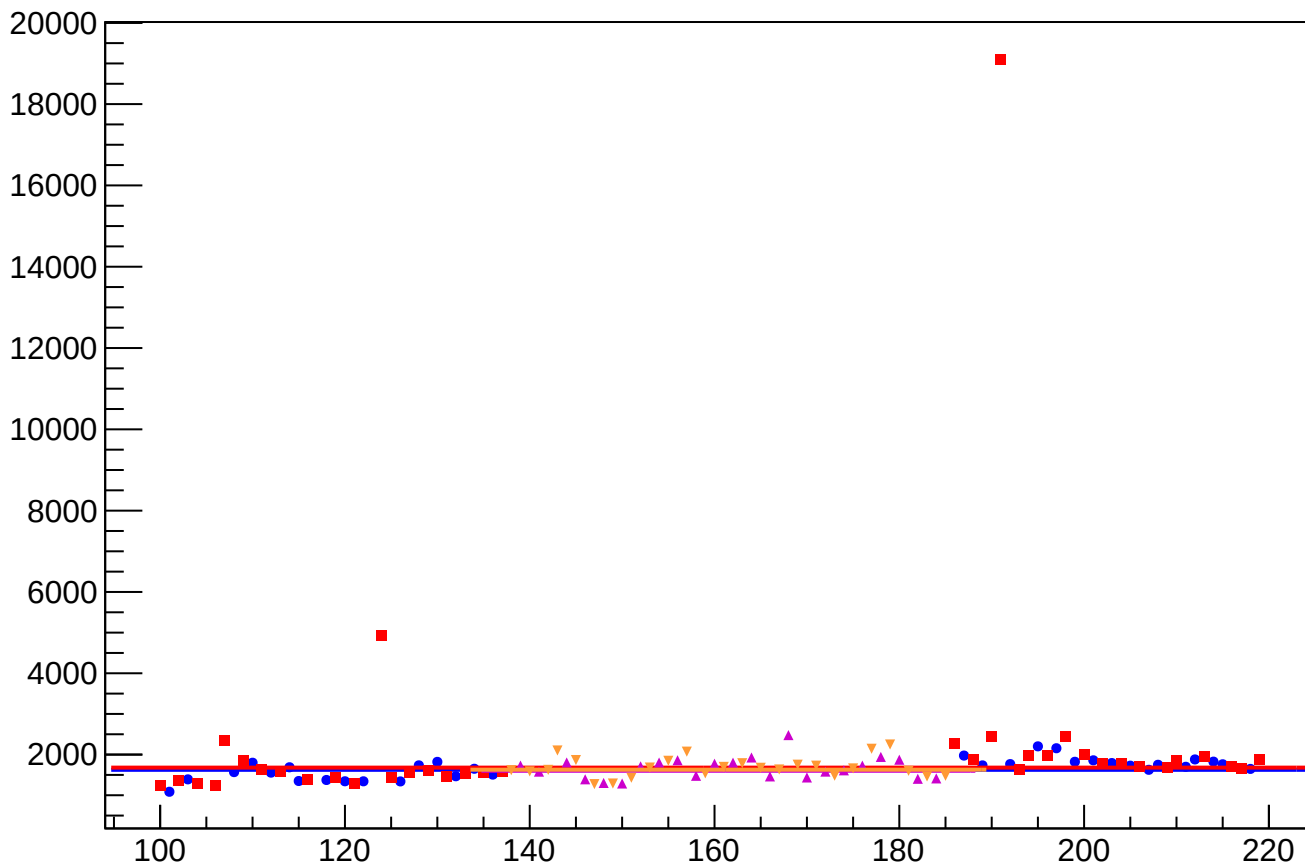
Left In: -2105.415 $\pm$ 379.051 χ^2/NDF : 18.6/22

+ sign 2027.791 $\pm$ 262.361 χ^2/NDF : 60.1/56

All: -48.600 $\pm$ 186.341 χ^2/NDF : 249.8/116

- sign -2162.266 $\pm$ 264.706 χ^2/NDF : 63.3/59

asym_us_agg_avg_rms vs Slug



Right In: 1625.143+/-0.259 χ^2/NDF : 945886.5/31

Left Out: 1628.479+/-0.265 χ^2/NDF : 779094.7/24

Right Out: 1679.366+/-0.262 χ^2/NDF : 1442148.9/36

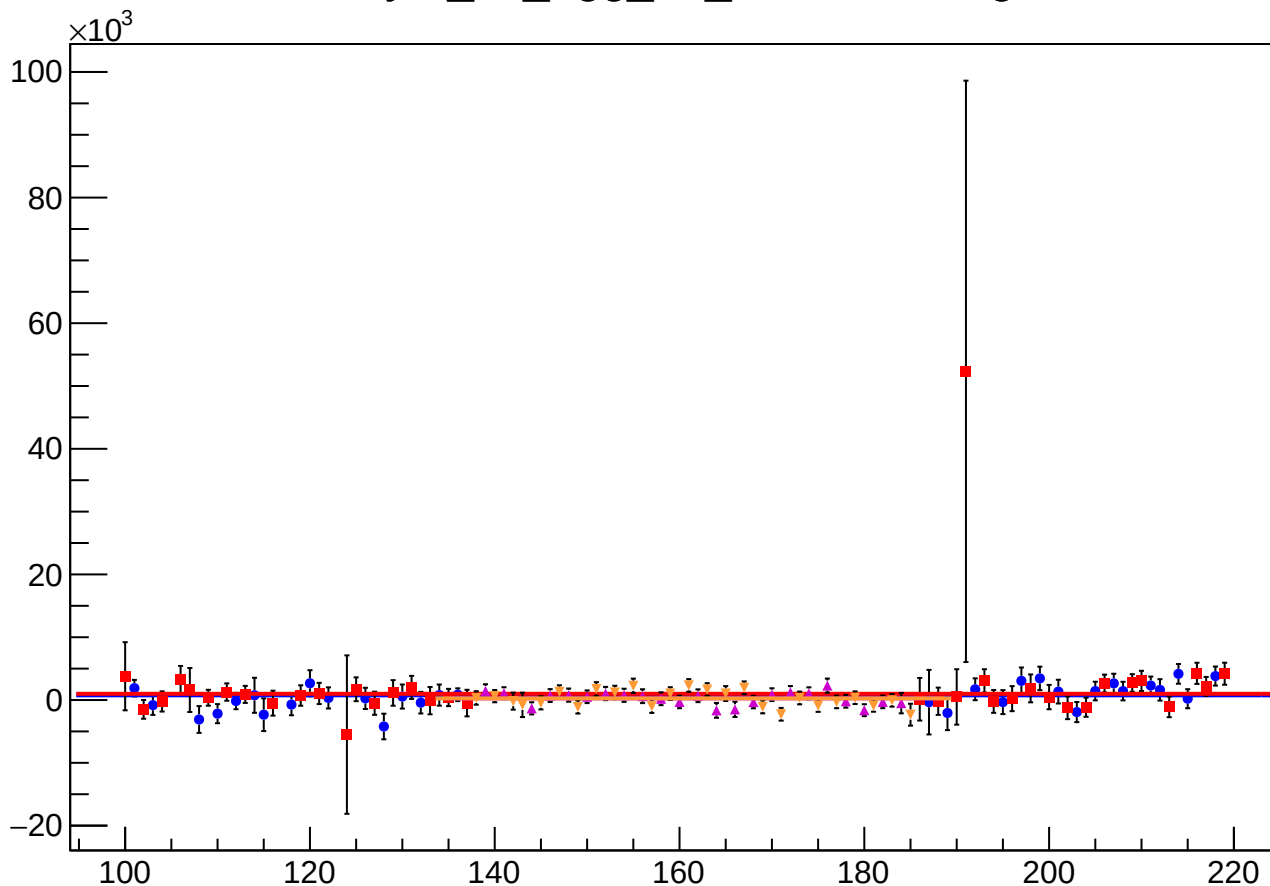
Left In: 1601.496+/-0.268 χ^2/NDF : 793722.6/22

+ sign 1626.773+/-0.186 χ^2/NDF : 1725062.0/56

All: 1634.017+/-0.132 χ^2/NDF : 4007253.2/11

- sign 1641.391+/-0.187 χ^2/NDF : 2279114.8/59

asym_us_agg_dd_mean vs Slug



Right In: 746.676 $\pm$ 296.870 χ^2 /NDF: 38.9/31

Left Out: 262.383 $\pm$ 214.962 χ^2 /NDF:33.9/24

Right Out: 991.119 $\pm$ 299.030 χ^2 /NDF: 28.7/36

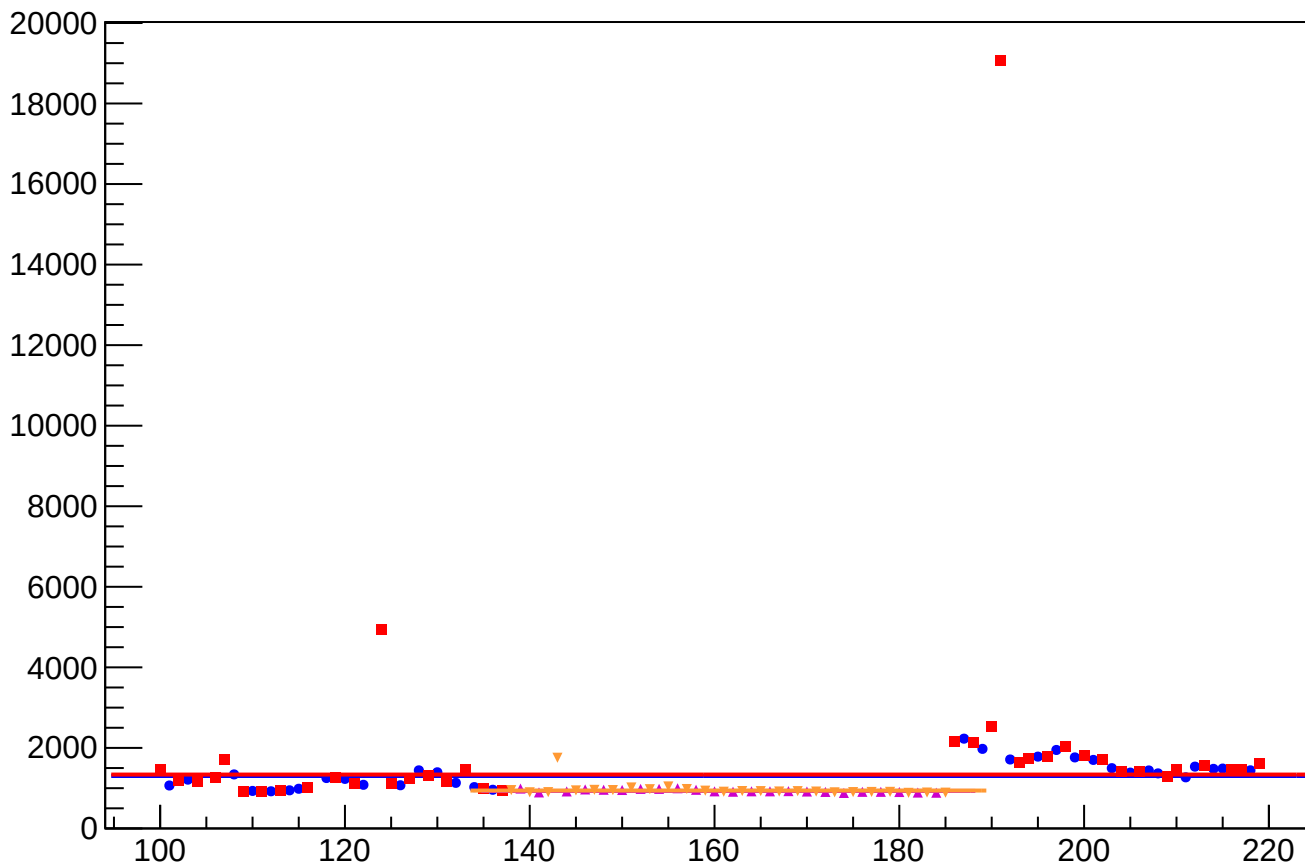
Left In: 267.059 $\pm$ 217.685 χ^2 /NDF:21.4/22

+ sign 428.963 $\pm$ 174.110 χ^2 /NDF: 74.6/56

All: 472.934 $\pm$ 123.774 χ^2 /NDF: 128.6/116

- sign 517.859 $\pm$ 175.991 χ^2 /NDF: 53.9/59

asym_us_agg_dd_rms vs Slug



Right In: 1302.421+/-0.210 χ^2/NDF : 1795155.7/31

Left Out: 941.013+/-0.152 χ^2/NDF : 417710.2/24

Right Out: 1338.050+/-0.211 χ^2/NDF : 2773946.0/36

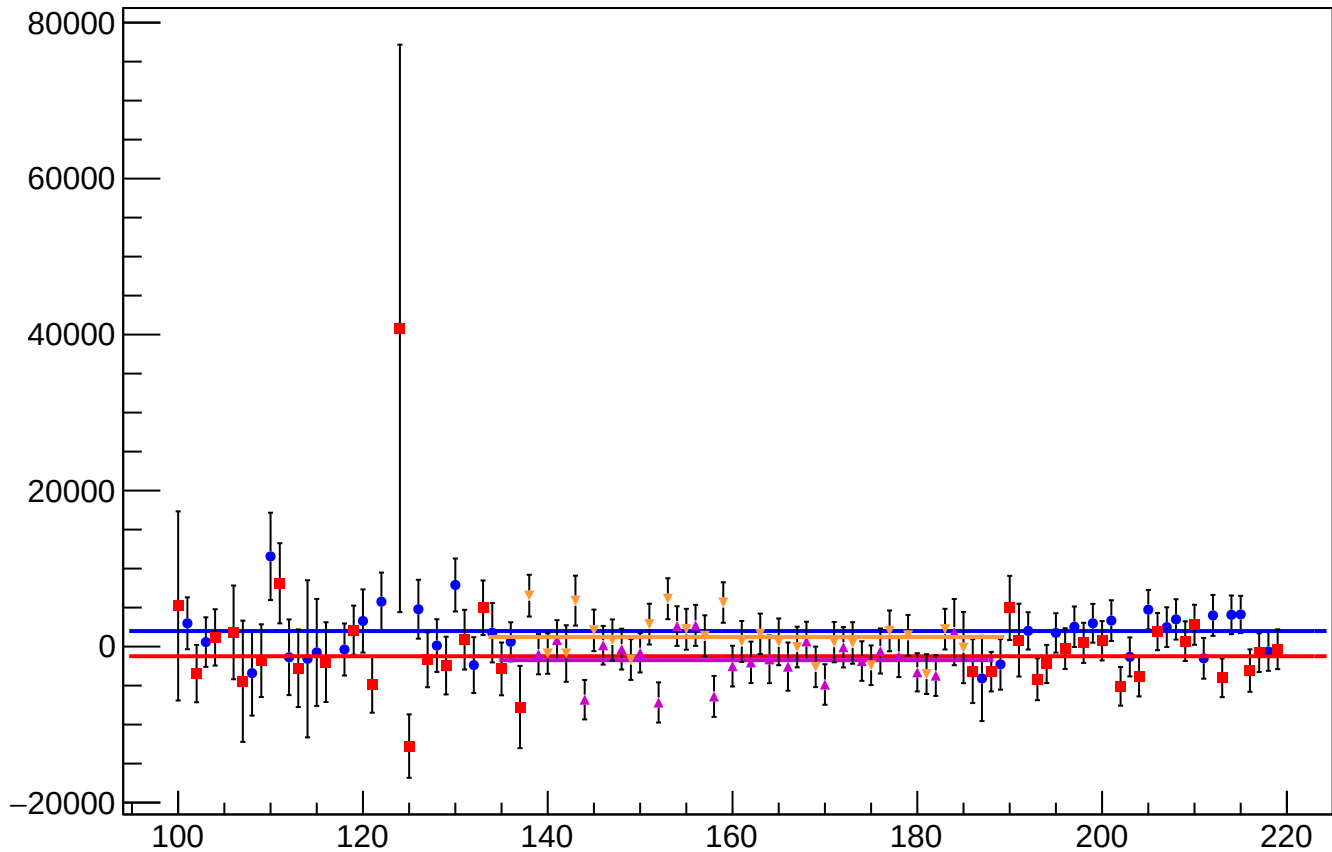
Left In: 931.562+/-0.154 χ^2/NDF : 48916.1/22

+ sign 1065.325+/-0.123 χ^2/NDF : 4157407.2/56

All: 1068.806+/-0.088 χ^2/NDF : 9397467.5/11

- sign 1072.362+/-0.124 χ^2/NDF : 5238444.8/59

reg_asym_atl1_mean vs Slug



Right In: 1992.524 ± 539.976 χ^2/NDF : 24.0/31

Left Out: 1234.728 ± 541.289 χ^2/NDF : 23.9/24

Right Out: -1237.681 ± 532.494 χ^2/NDF : 37.8/36

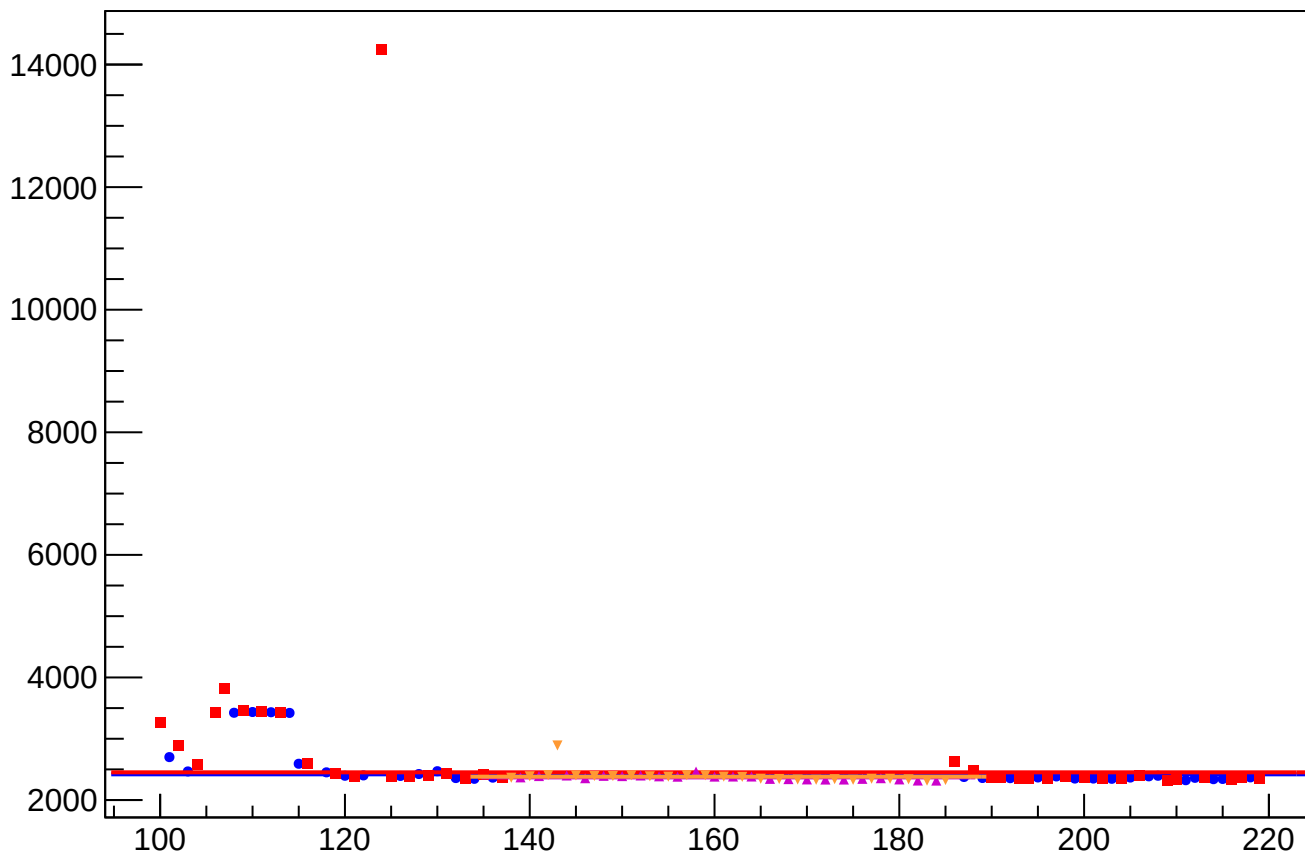
Left In: -1741.730 ± 553.254 χ^2/NDF : 24.4/22

+ sign 1614.546 ± 382.284 χ^2/NDF : 48.8/56

All: 72.794 ± 270.801 χ^2/NDF : 144.1/116

- sign -1480.072 ± 383.660 χ^2/NDF : 62.6/59

reg_asym_atl1_rms vs Slug



Right In: 2419.604 $\pm$ 0.382 χ^2 /NDF: 277811.9/31

Left Out: 2381.235 $\pm$ 0.383 χ^2 /NDF: 57623.2/24

Right Out: 2452.166 $\pm$ 0.377 χ^2 /NDF: 660376.1/36

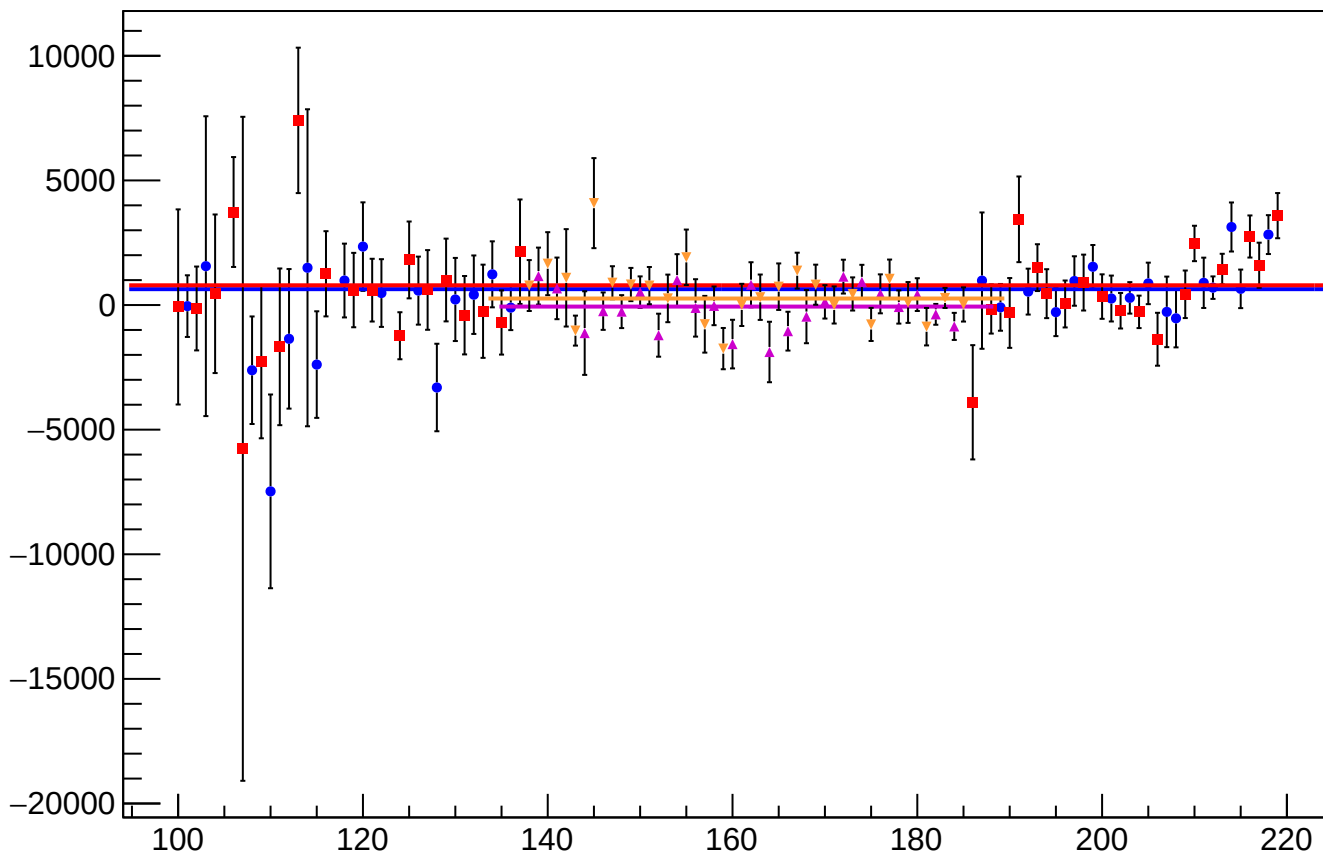
Left In: 2369.384 $\pm$ 0.391 χ^2 /NDF: 7034.0/22

+ sign 2400.466 $\pm$ 0.270 χ^2 /NDF: 340471.7/56

All: 2406.390 $\pm$ 0.191 χ^2 /NDF: 1032089.6/11

- sign 2412.357 $\pm$ 0.271 χ^2 /NDF: 690653.9/59

asym_atl1_reg_correction_mean vs Slug



Right In: 637.009 ± 187.196 χ^2/NDF : 35.6/31

Left Out: 261.877 ± 154.009 χ^2/NDF : 31.1/24

Right Out: 792.431 ± 187.308 χ^2/NDF : 58.1/36

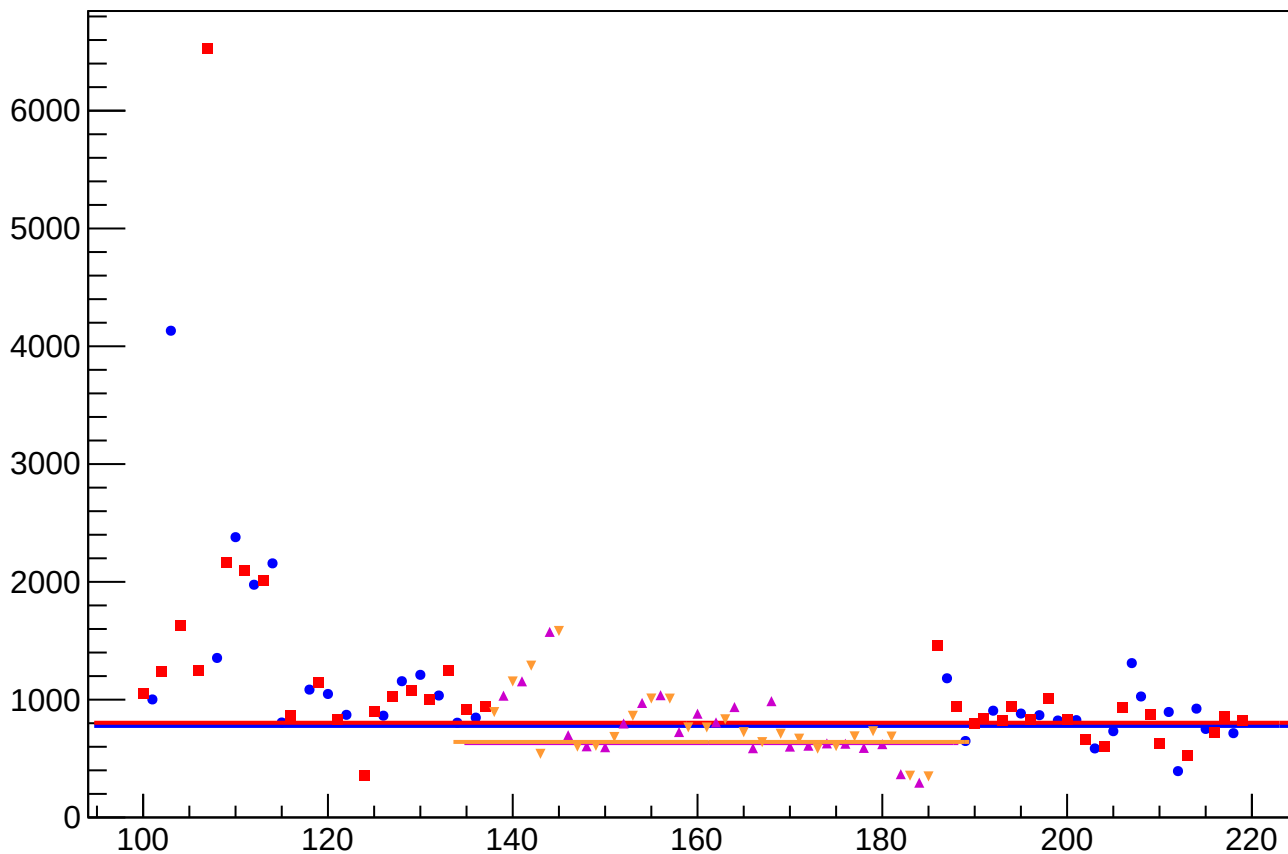
Left In: -61.960 ± 157.394 χ^2/NDF : 22.0/22

+ sign 413.298 ± 118.932 χ^2/NDF : 69.1/56

All: 353.268 ± 84.646 χ^2/NDF : 161.9/116

- sign 291.644 ± 120.500 χ^2/NDF : 92.3/59

asym_atl1_reg_correction_rms vs Slug



Right In: 777.123 ± 0.132 $\chi^2/\text{NDF}: 4349777.3/31$

Left Out: 641.156 ± 0.109 $\chi^2/\text{NDF}: 3474860.7/24$

Right Out: 803.960 ± 0.132 $\chi^2/\text{NDF}: 3810557.9/36$

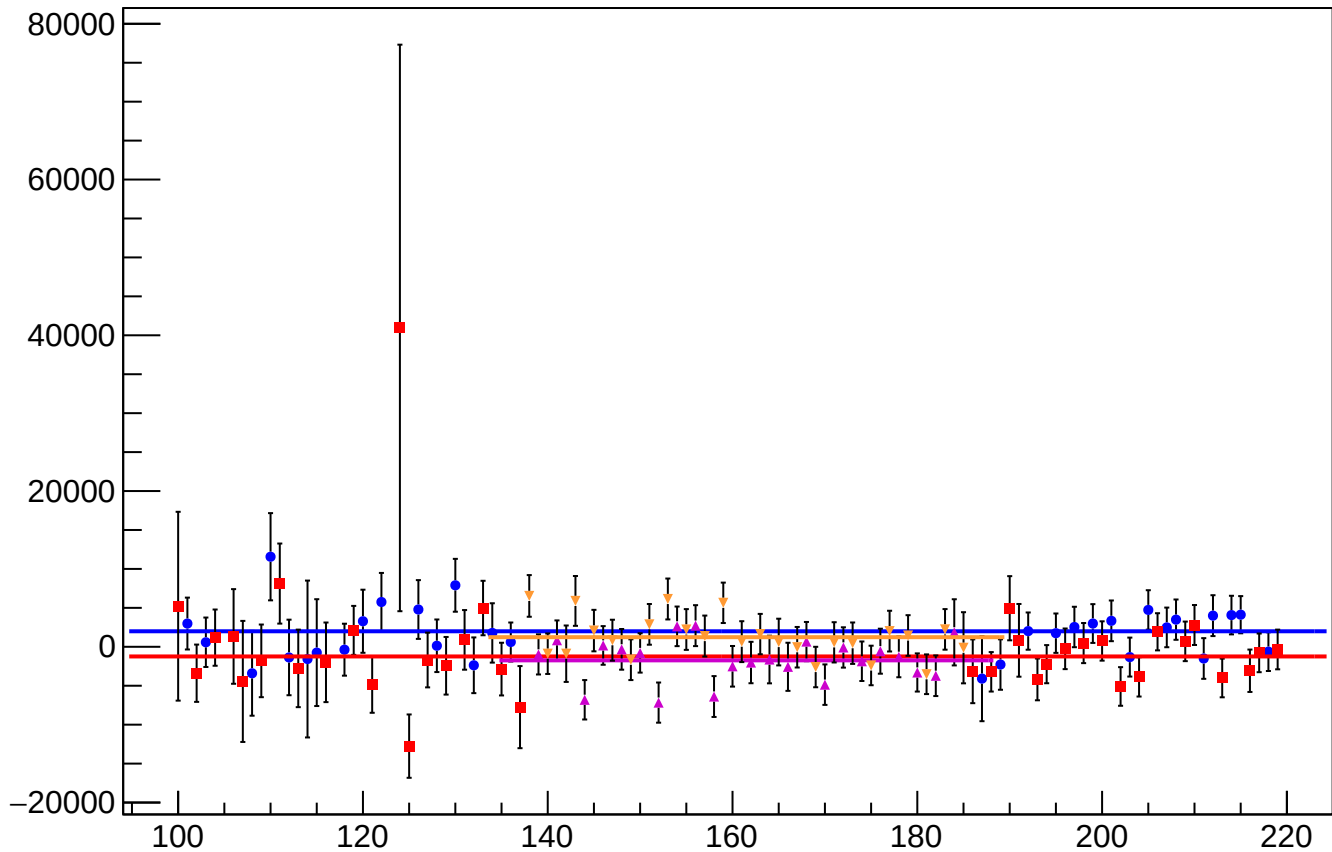
Left In: 631.199 ± 0.111 $\chi^2/\text{NDF}: 3975438.6/22$

+ sign 696.039 ± 0.084 $\chi^2/\text{NDF}: 8453863.4/56$

All: 699.325 ± 0.060 $\chi^2/\text{NDF}: 17240214.2/11$

- sign 702.699 ± 0.085 $\chi^2/\text{NDF}: 8783256.6/59$

cor_asym_atl1_mean vs Slug



Right In: 1992.721 ± 539.976 χ^2/NDF : 24.0/31

Left Out: 1234.706 ± 541.289 χ^2/NDF : 23.9/24

Right Out: -1240.477 ± 532.542 χ^2/NDF : 37.7/36

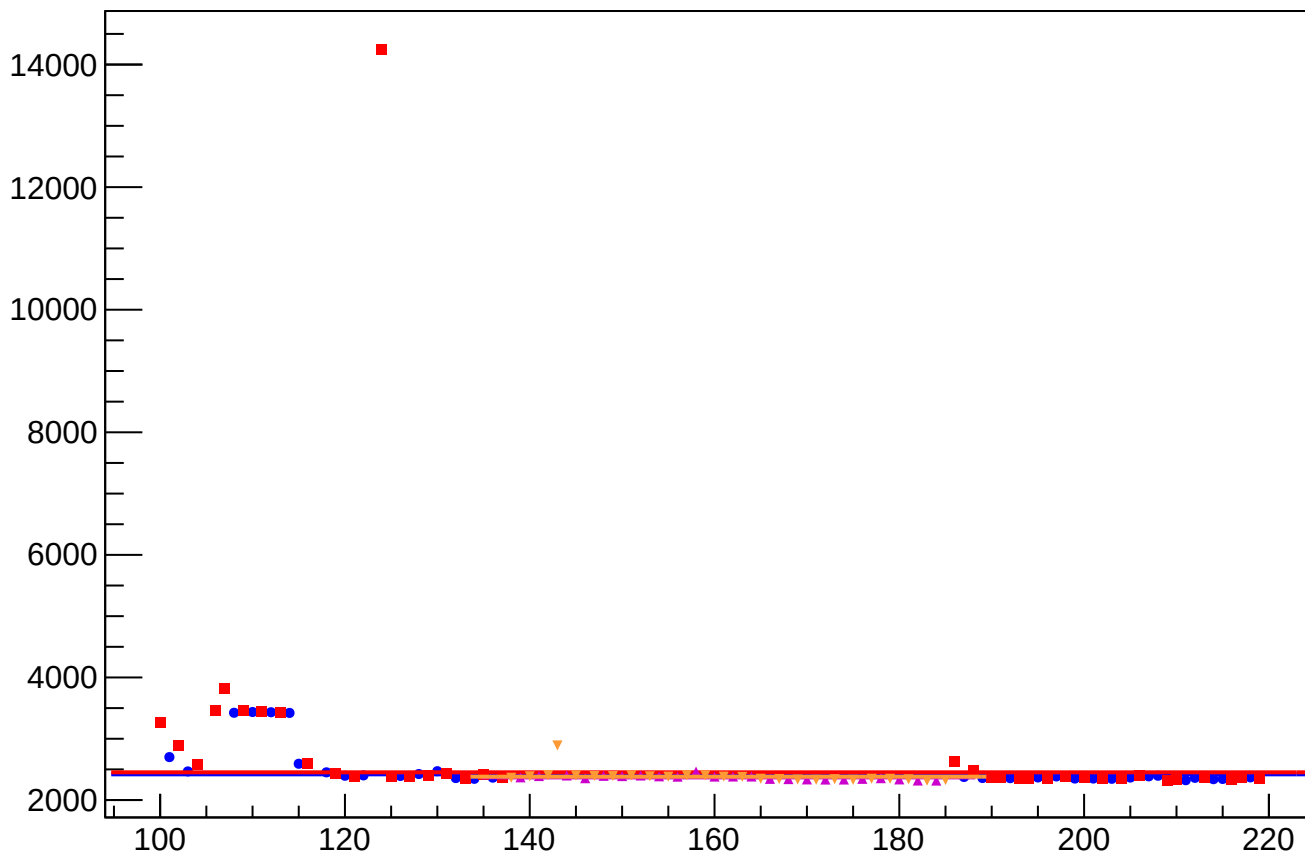
Left In: -1741.784 ± 553.254 χ^2/NDF : 24.4/22

+ sign 1614.634 ± 382.284 χ^2/NDF : 48.8/56

All: 72.162 ± 270.807 χ^2/NDF : 144.1/116

- sign -1481.571 ± 383.677 χ^2/NDF : 62.5/59

cor_asym_atl1_rms vs Slug



Right In: 2419.604 $\pm$ 0.382 χ^2 /NDF: 277811.9/31

Left Out: 2381.235 $\pm$ 0.383 χ^2 /NDF: 57623.2/24

Right Out: 2452.293 $\pm$ 0.377 χ^2 /NDF: 663354.5/36

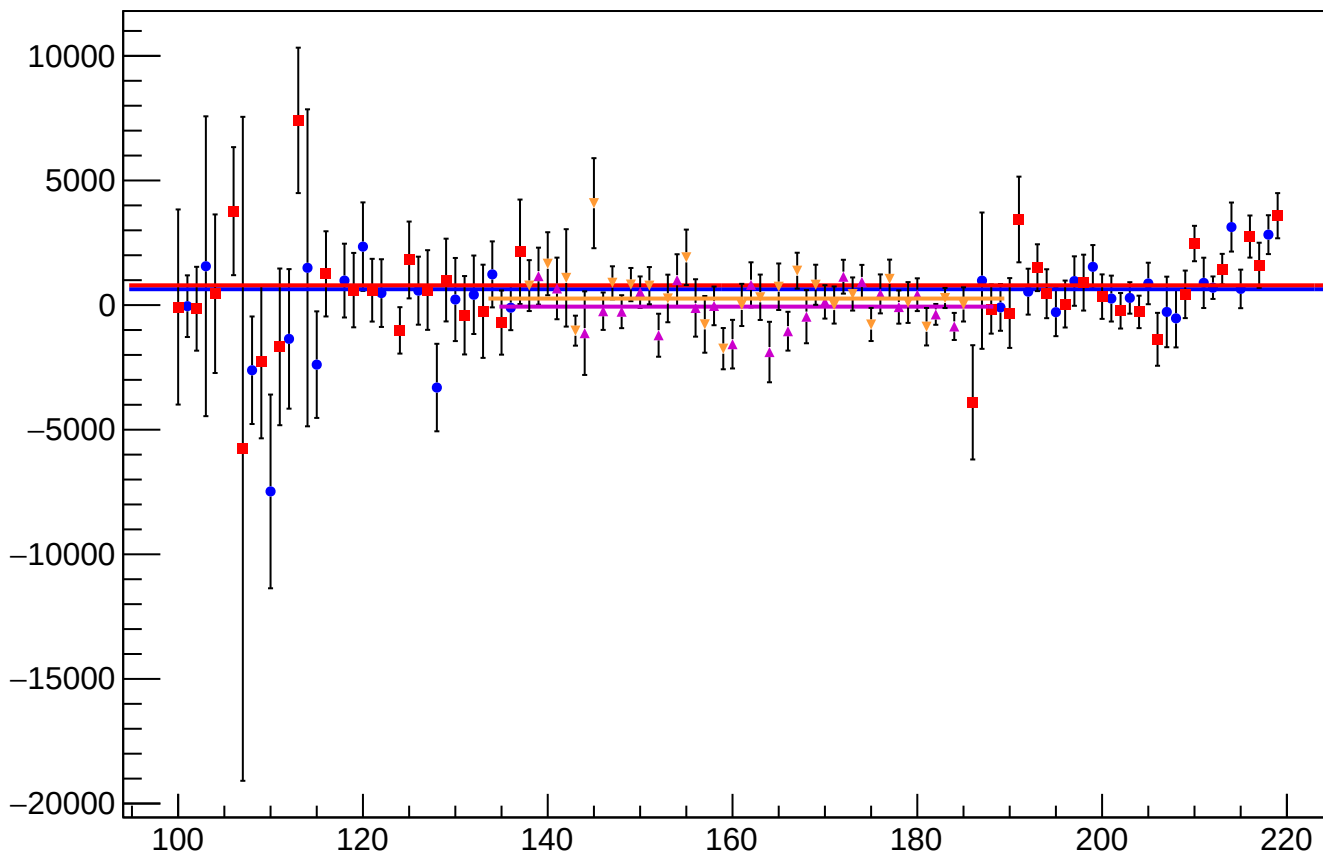
Left In: 2369.384 $\pm$ 0.391 χ^2 /NDF: 7034.0/22

+ sign 2400.466 $\pm$ 0.270 χ^2 /NDF: 340471.7/56

All: 2406.421 $\pm$ 0.191 χ^2 /NDF: 1035148.1/11

- sign 2412.420 $\pm$ 0.271 χ^2 /NDF: 693702.2/59

asym_atl1_cor_correction_mean vs Slug



Right In: 636.944 ± 187.197 χ^2/NDF : 35.6/31

Left Out: 262.160 ± 154.012 χ^2/NDF : 31.1/24

Right Out: 793.483 ± 187.385 χ^2/NDF : 56.8/36

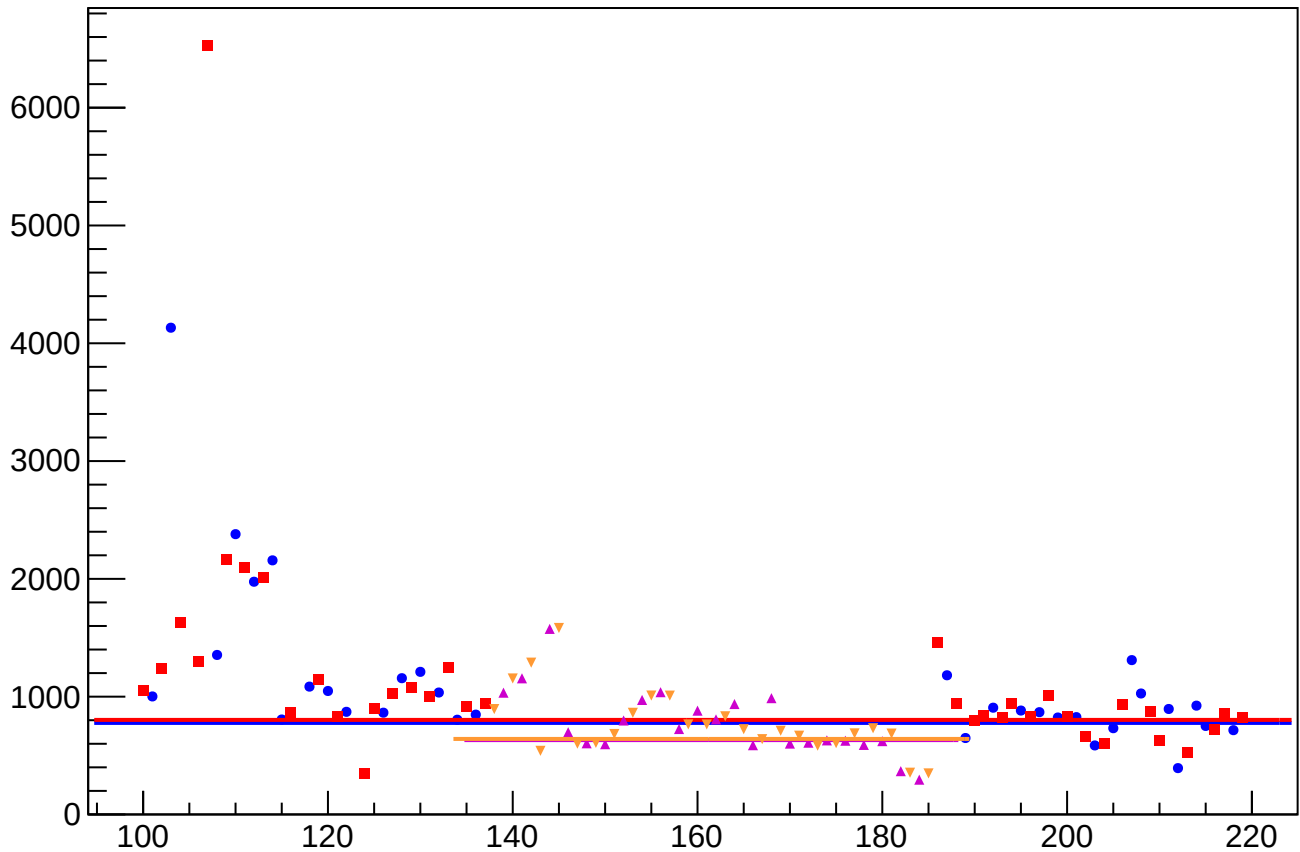
Left In: -61.976 ± 157.393 χ^2/NDF : 22.0/22

+ sign 413.443 ± 118.933 χ^2/NDF : 69.1/56

All: 353.475 ± 84.654 χ^2/NDF : 160.6/116

- sign 291.896 ± 120.520 χ^2/NDF : 91.0/59

asym_atl1_cor_correction_rms vs Slug



Right In: 777.133+/-0.132 χ^2/NDF : 4349394.6/31

Left Out: 641.169+/-0.109 χ^2/NDF : 3474589.1/24

Right Out: 802.704+/-0.133 χ^2/NDF : 3824606.8/36

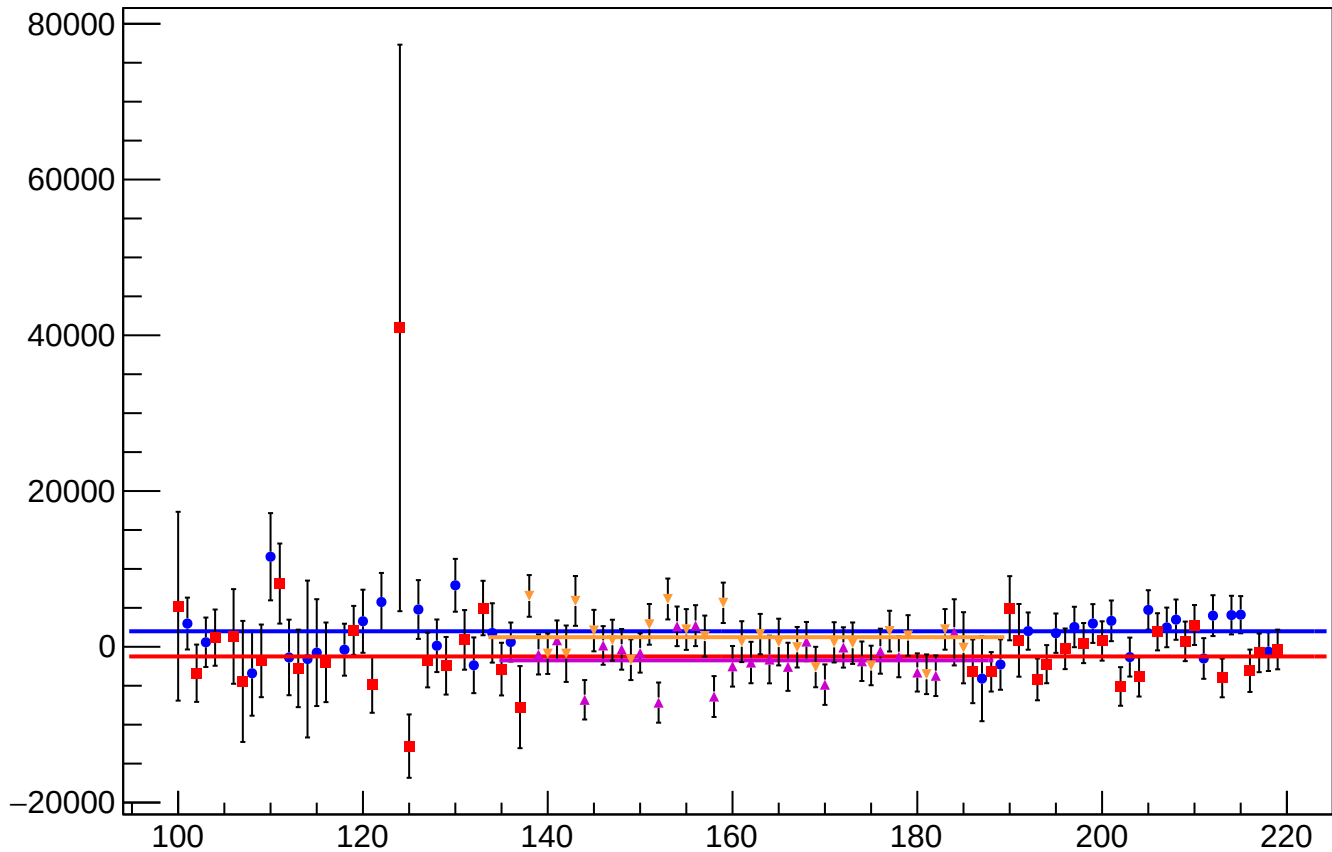
Left In: 631.196+/-0.111 χ^2/NDF : 3975563.1/22

+ sign 696.051+/-0.084 χ^2/NDF : 8453163.5/56

All: 699.057+/-0.060 χ^2/NDF : 17238284.0/11

- sign 702.143+/-0.085 χ^2/NDF : 8782532.2/59

eigen_cor_asym_atl1_mean vs Slug



Right In: 1992.721 ± 539.976 χ^2/NDF : 24.0/31

Left Out: 1234.706 ± 541.289 χ^2/NDF : 23.9/24

Right Out: -1240.477 ± 532.542 χ^2/NDF : 37.7/36

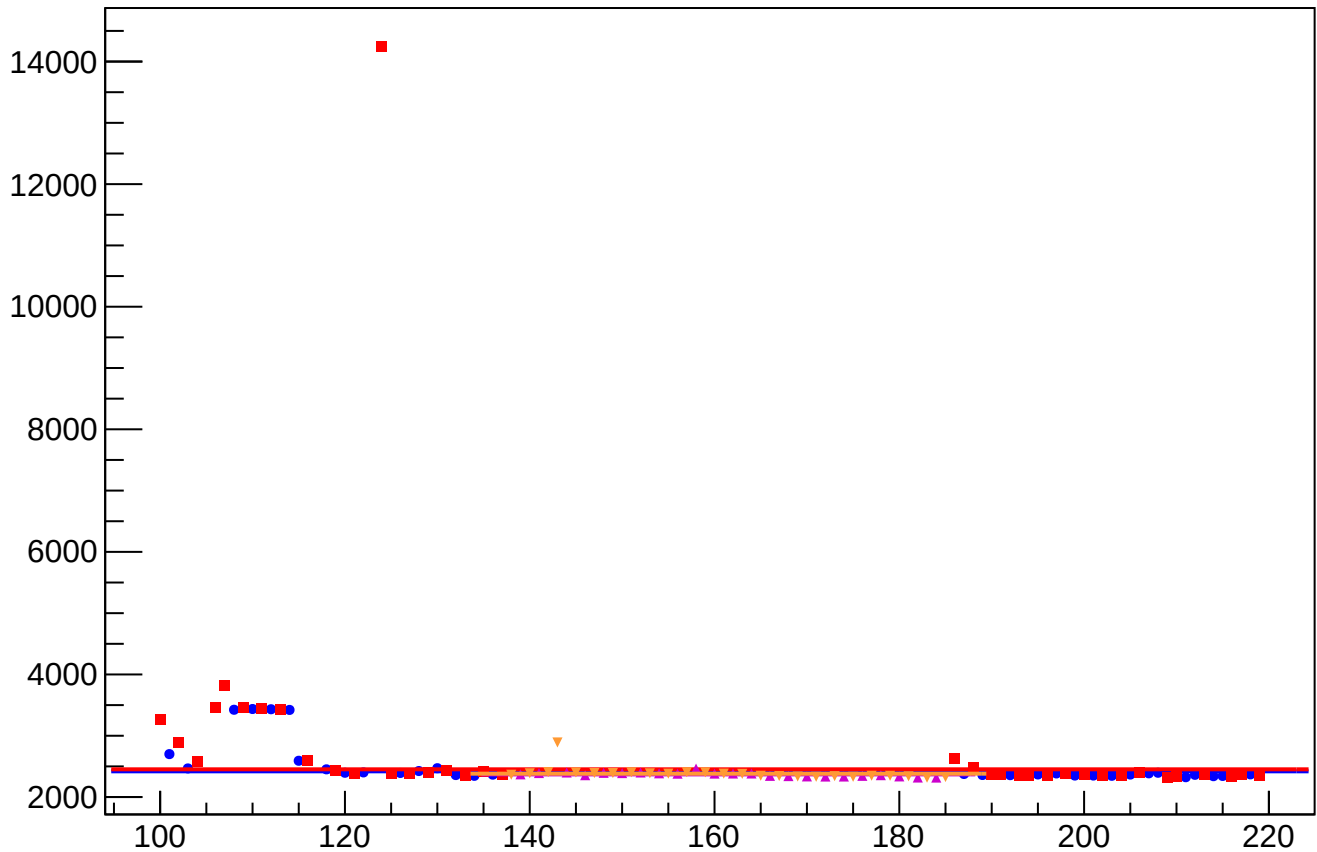
Left In: -1741.784 ± 553.254 χ^2/NDF : 24.4/22

+ sign 1614.634 ± 382.284 χ^2/NDF : 48.8/56

All: 72.162 ± 270.807 χ^2/NDF : 144.1/116

- sign -1481.571 ± 383.677 χ^2/NDF : 62.5/59

eigen_cor_asym_atl1_rms vs Slug



Right In: 2419.604 $\pm$ 0.382 χ^2 /NDF: 277811.9/31

Left Out: 2381.235 $\pm$ 0.383 χ^2 /NDF: 57623.2/24

Right Out: 2452.293 $\pm$ 0.377 χ^2 /NDF: 663354.5/36

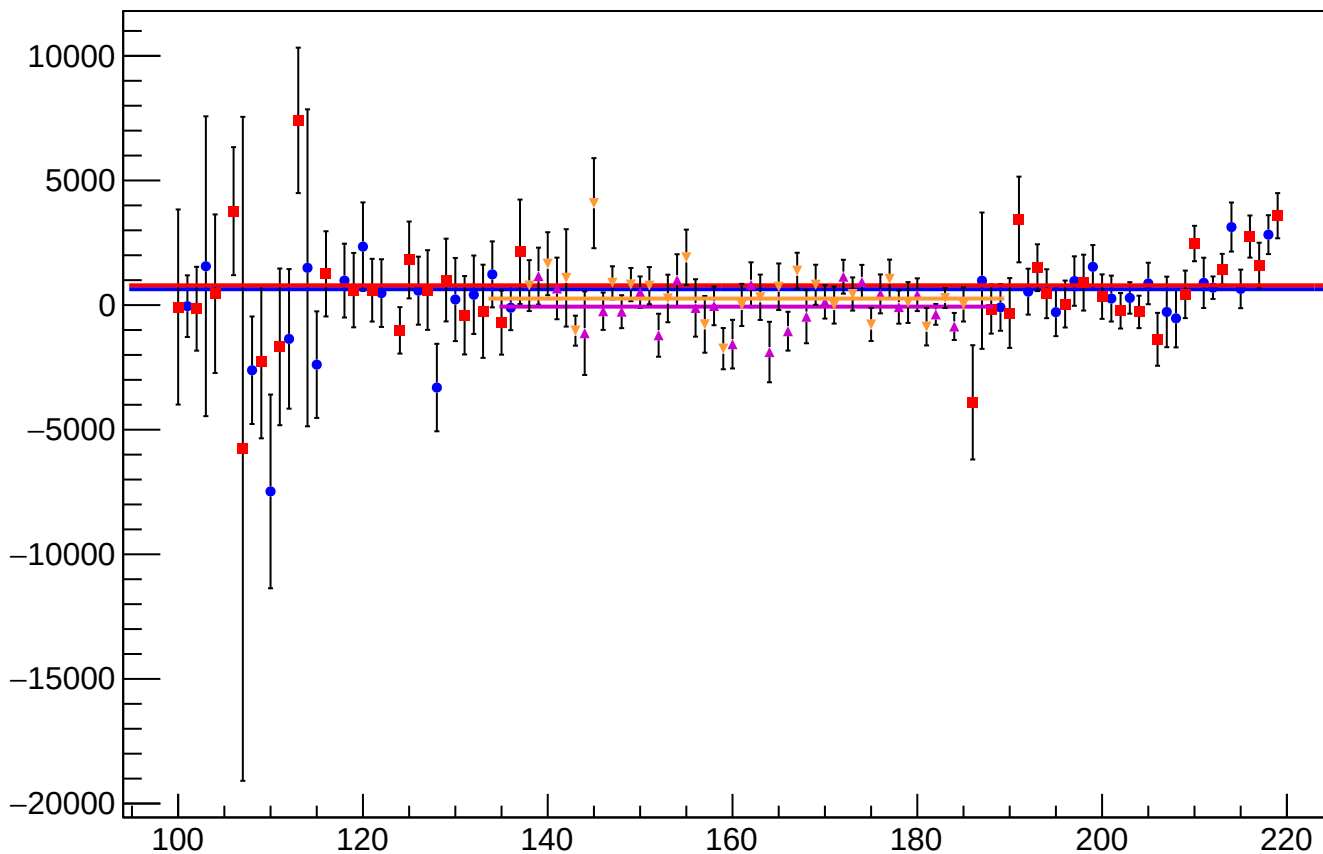
Left In: 2369.384 $\pm$ 0.391 χ^2 /NDF: 7034.0/22

+ sign 2400.466 $\pm$ 0.270 χ^2 /NDF: 340471.7/56

All: 2406.421 $\pm$ 0.191 χ^2 /NDF: 1035148.1/11

- sign 2412.420 $\pm$ 0.271 χ^2 /NDF: 693702.2/59

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 636.944 ± 187.197 χ^2/NDF : 35.6/31

Left Out: 262.160 ± 154.012 χ^2/NDF : 31.1/24

Right Out: 793.483 ± 187.385 χ^2/NDF : 56.8/36

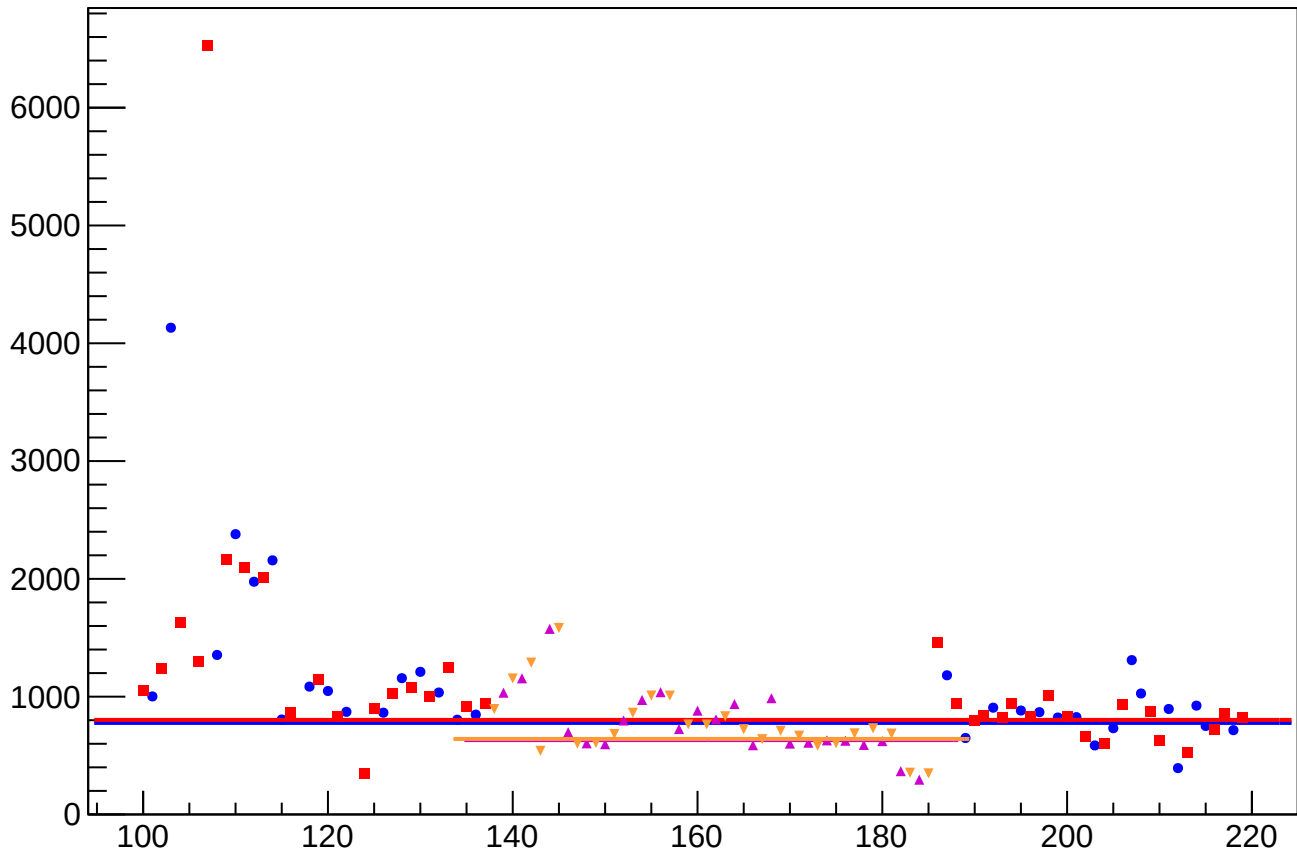
Left In: -61.976 ± 157.393 χ^2/NDF : 22.0/22

+ sign 413.443 ± 118.933 χ^2/NDF : 69.1/56

All: 353.475 ± 84.654 χ^2/NDF : 160.6/116

- sign 291.896 ± 120.520 χ^2/NDF : 91.0/59

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 777.133+/-0.132 χ^2/NDF : 4349394.6/31

Left Out: 641.169+/-0.109 χ^2/NDF : 3474589.1/24

Right Out: 802.704+/-0.133 χ^2/NDF : 3824606.8/36

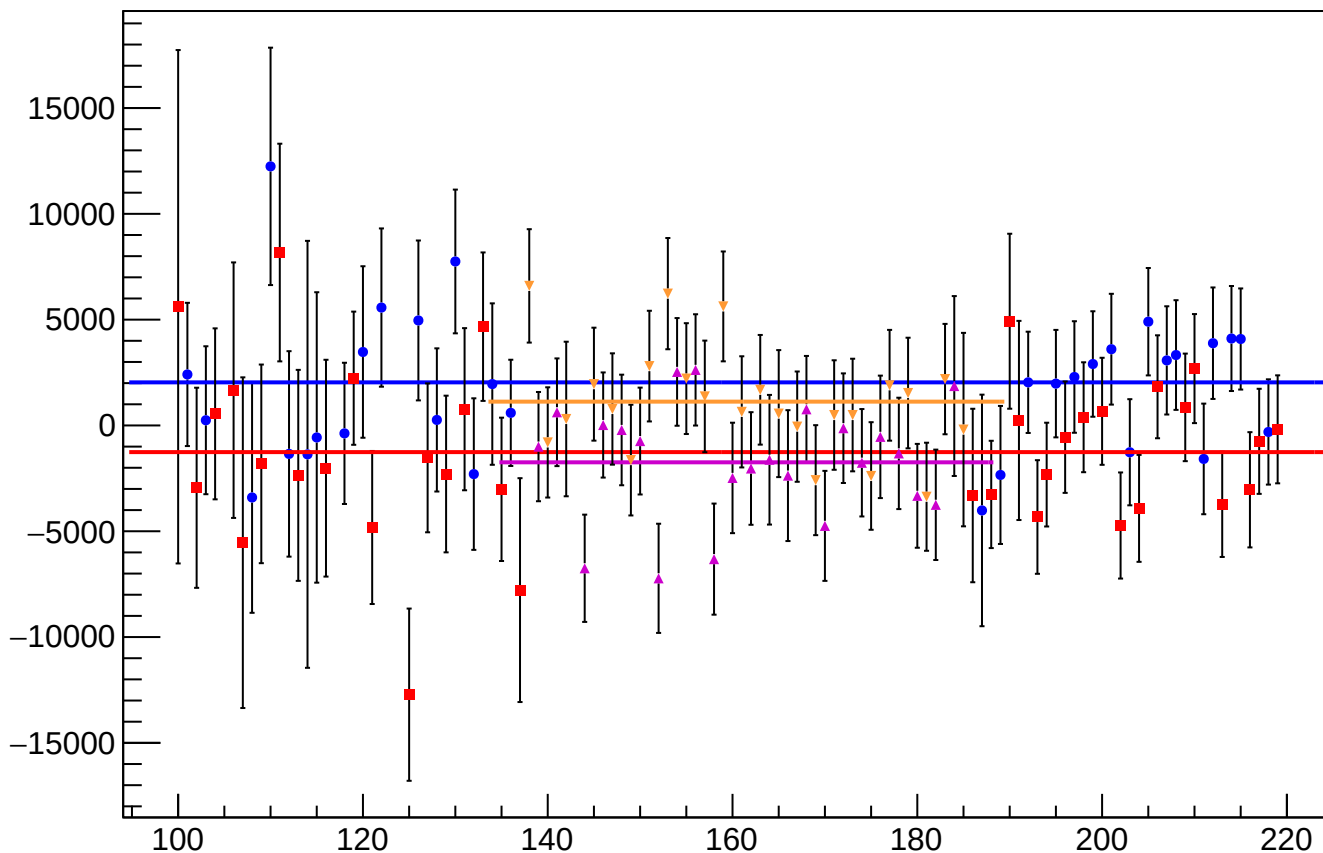
Left In: 631.196+/-0.111 χ^2/NDF : 3975563.1/22

+ sign 696.051+/-0.084 χ^2/NDF : 8453163.5/56

All: 699.057+/-0.060 χ^2/NDF : 17238284.0/172

- sign 702.143+/-0.085 χ^2/NDF : 8782532.2/59

dit_asym_atl1_mean vs Slug



Right In: 2035.922 $\pm$ 542.840 χ^2/NDF : 24.0/31

Left Out: 1125.562 $\pm$ 549.834 χ^2/NDF : 21.2/23

Right Out: -1259.665 $\pm$ 537.825 χ^2/NDF : 34.8/35

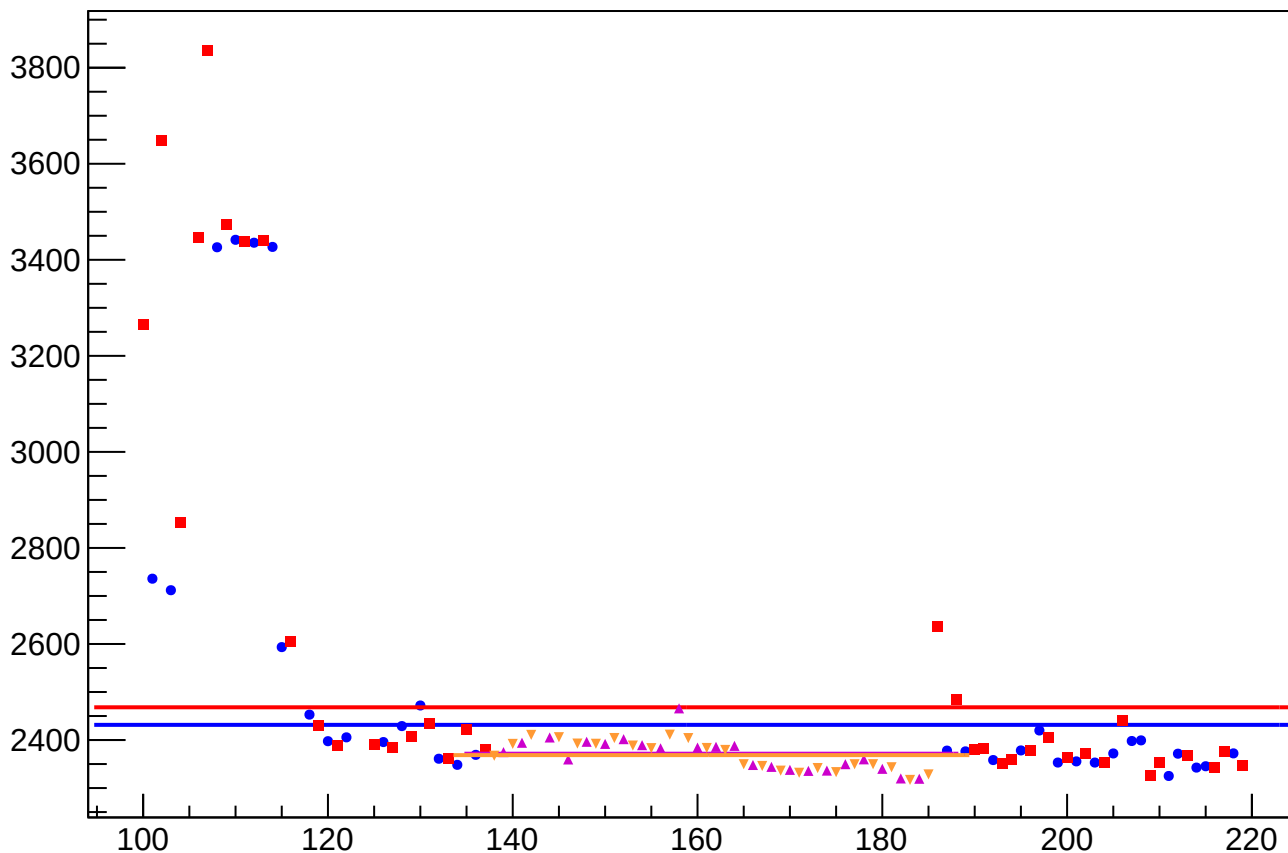
Left In: -1742.304 $\pm$ 553.755 χ^2/NDF : 23.8/22

+ sign 1586.569 $\pm$ 386.295 χ^2/NDF : 46.6/55

All: 44.372 $\pm$ 272.980 χ^2/NDF : 137.5/114

- sign -1493.943 $\pm$ 385.808 χ^2/NDF : 59.0/58

dit_asym_atl1_rms vs Slug



Right In: 2431.591+/-0.384 χ^2/NDF : 291962.4/31

Left Out: 2368.569+/-0.389 χ^2/NDF : 5571.3/23

Right Out: 2468.156+/-0.380 χ^2/NDF : 564235.9/35

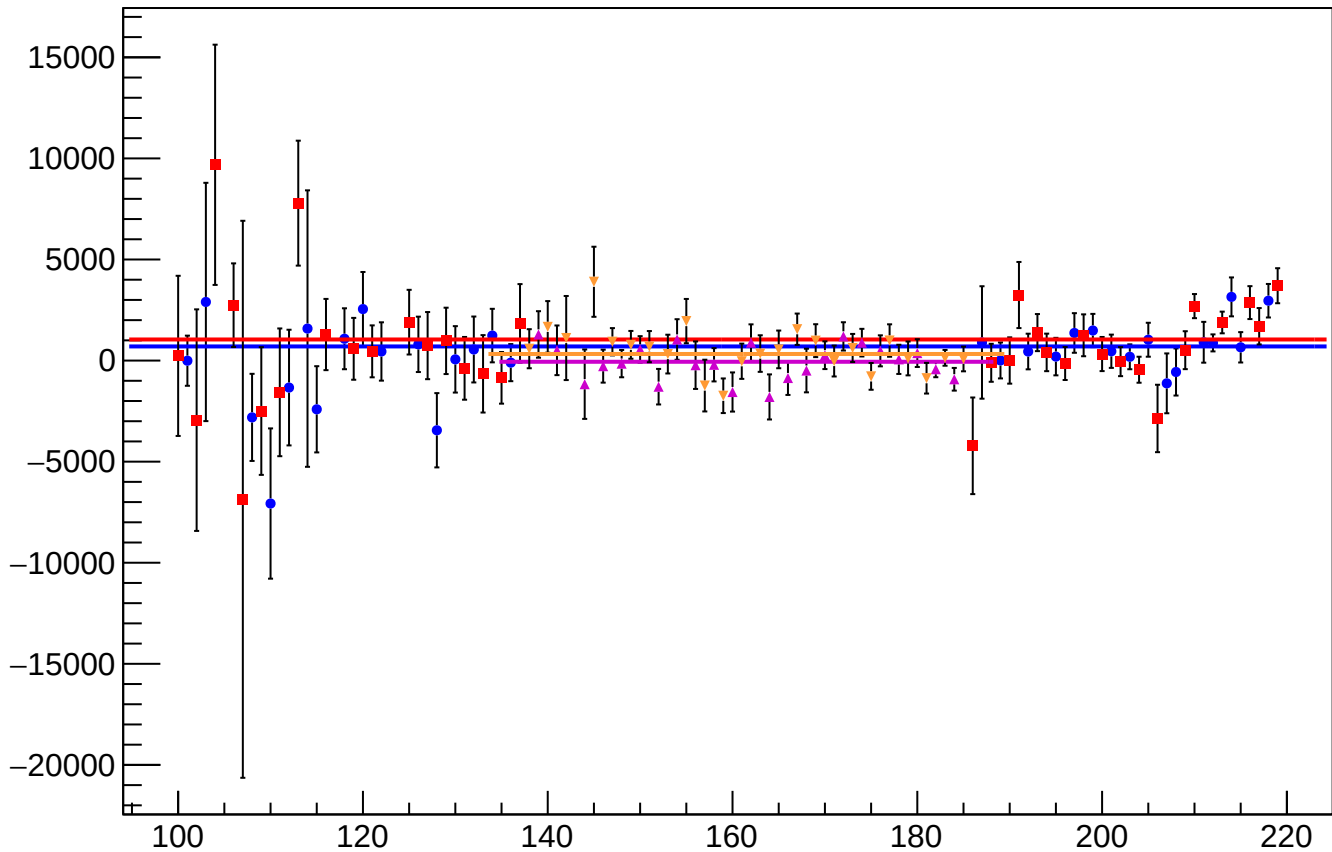
Left In: 2371.518+/-0.392 χ^2/NDF : 7053.5/22

+ sign 2400.483+/-0.273 χ^2/NDF : 310839.6/55

All: 2410.878+/-0.193 χ^2/NDF : 916366.0/114

- sign 2421.247+/-0.273 χ^2/NDF : 602633.5/58

asym_atl1_dit_correction_mean vs Slug



Right In: 699.343 $\pm$ 182.841 χ^2 /NDF: 37.6/31

Left Out: 325.955 $\pm$ 160.041 χ^2 /NDF: 26.8/23

Right Out: 1043.464 $\pm$ 183.893 χ^2 /NDF: 66.2/35

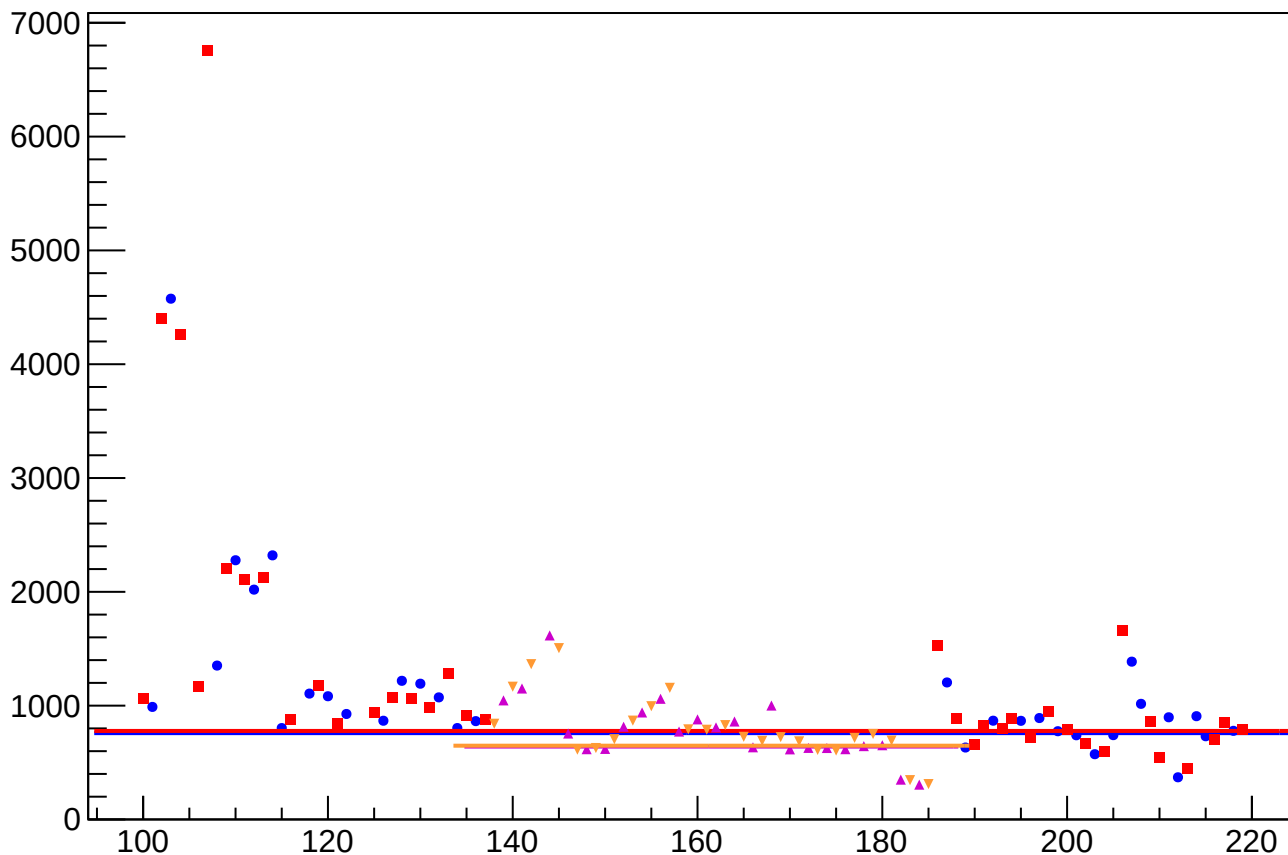
Left In: -59.619 $\pm$ 159.669 χ^2 /NDF: 22.7/22

+ sign 487.930 $\pm$ 120.425 χ^2 /NDF: 66.7/55

All: 451.273 $\pm$ 85.203 χ^2 /NDF: 176.3/114

- sign 414.531 $\pm$ 120.565 χ^2 /NDF: 109.4/58

asym_atl1_dit_correction_rms vs Slug



Right In: 758.463 $\pm$ 0.129 χ^2 /NDF: 5082051.2/31

Left Out: 648.100 $\pm$ 0.113 χ^2 /NDF: 3886991.8/23

Right Out: 777.767 $\pm$ 0.130 χ^2 /NDF: 5896469.2/35

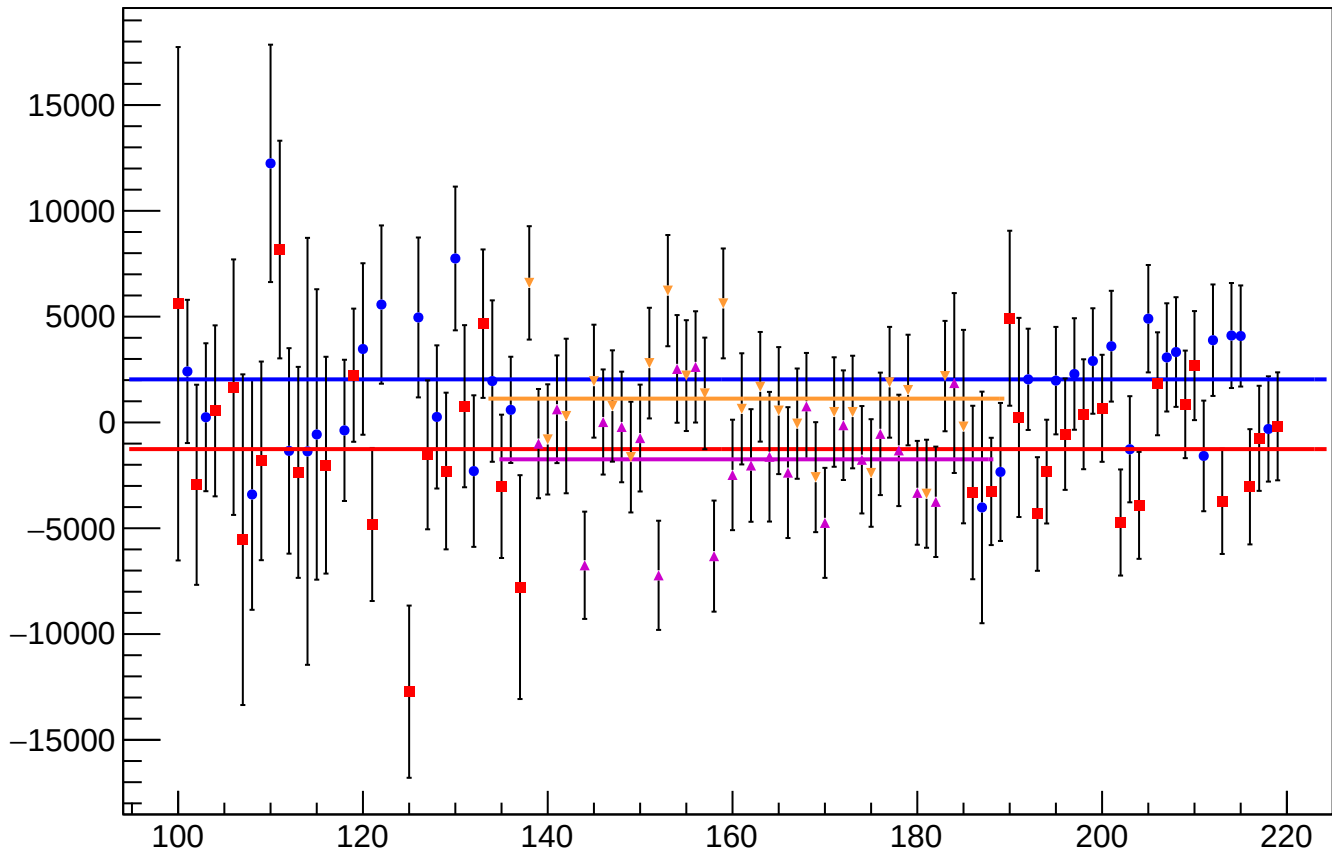
Left In: 640.422 $\pm$ 0.113 χ^2 /NDF: 4128760.4/22

+ sign 695.975 $\pm$ 0.085 χ^2 /NDF: 9381611.6/55

All: 697.715 $\pm$ 0.060 χ^2 /NDF: 20043765.2/100

- sign 699.458 $\pm$ 0.085 χ^2 /NDF: 10661318.1/58

eigen_dit_asym_atl1_mean vs Slug



Right In: 2035.919 $\pm$ 542.840 χ^2 /NDF: 24.0/31

Left Out: 1125.562 $\pm$ 549.834 χ^2 /NDF: 21.2/23

Right Out: -1259.666 $\pm$ 537.825 χ^2 /NDF: 34.8/35

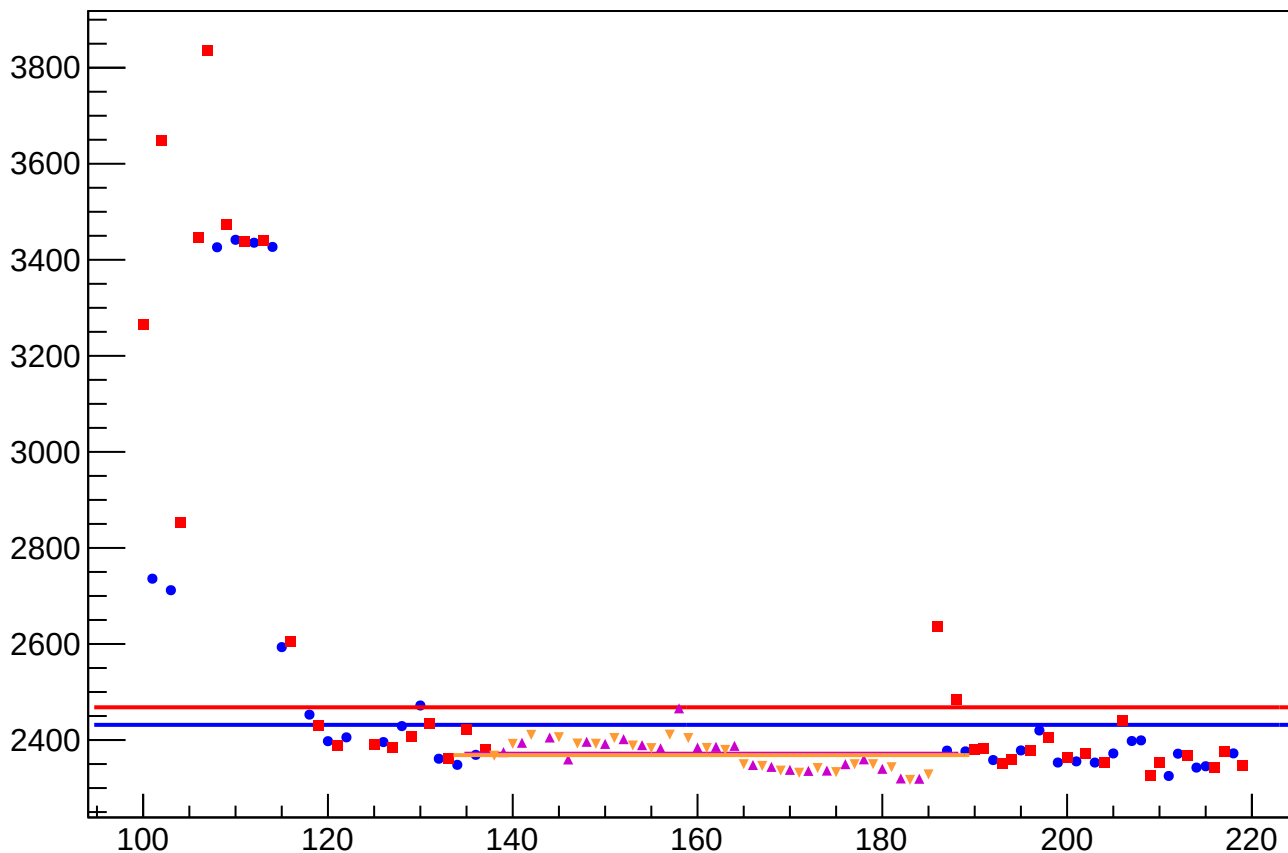
Left In: -1742.305 $\pm$ 553.755 χ^2 /NDF: 23.8/22

+ sign 1586.567 $\pm$ 386.295 χ^2 /NDF: 46.6/55

All: 44.371 $\pm$ 272.980 χ^2 /NDF: 137.5/114

- sign -1493.943 $\pm$ 385.808 χ^2 /NDF: 59.0/58

eigen_dit_asym_atl1_rms vs Slug



Right In: 2431.591+/-0.384 χ^2/NDF : 291961.9/31

Left Out: 2368.569+/-0.389 χ^2/NDF : 5571.3/23

Right Out: 2468.156+/-0.380 χ^2/NDF : 564234.9/35

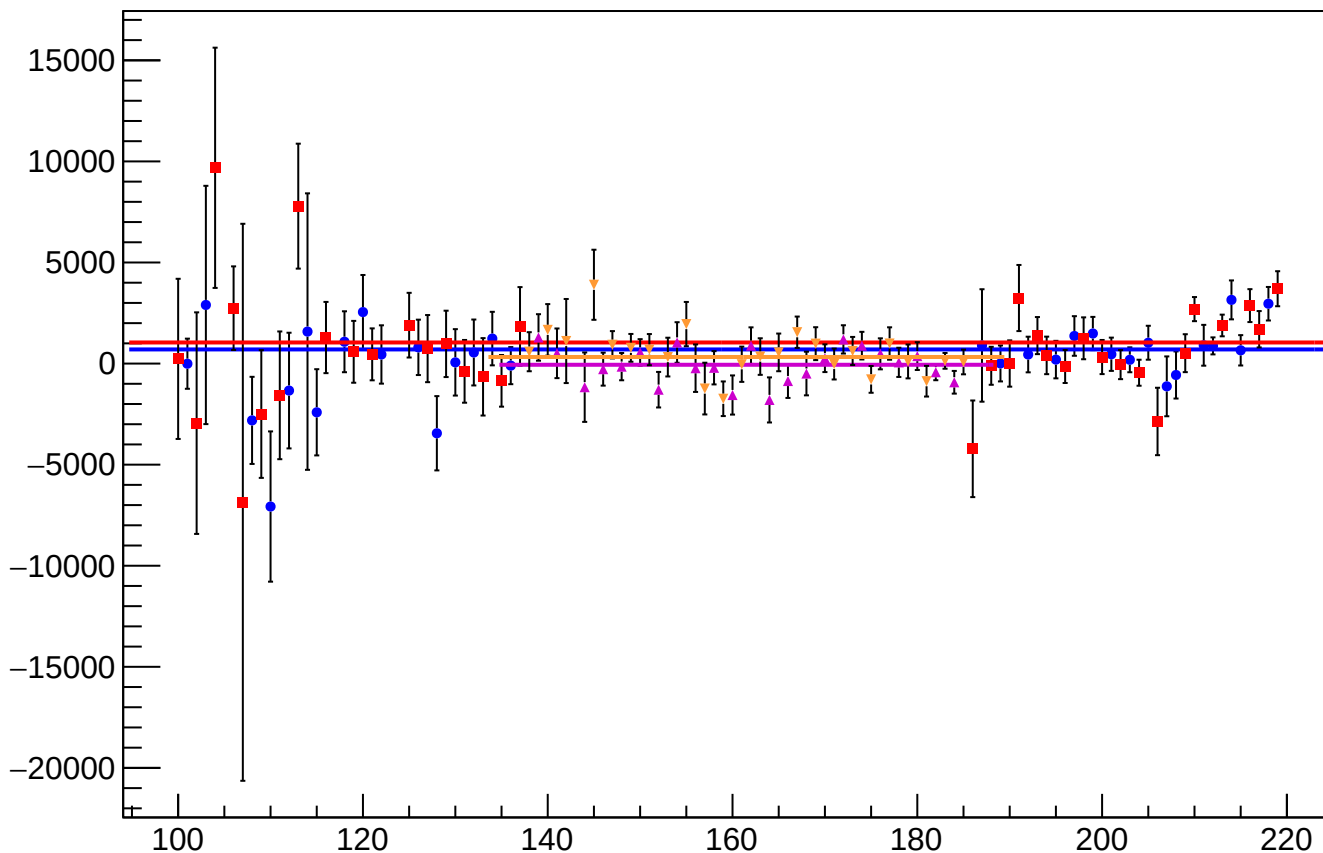
Left In: 2371.518+/-0.392 χ^2/NDF : 7053.5/22

+ sign 2400.483+/-0.273 χ^2/NDF : 310839.1/55

All: 2410.878+/-0.193 χ^2/NDF : 916364.5/114

- sign 2421.247+/-0.273 χ^2/NDF : 602632.5/58

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 699.342 ± 182.841 χ^2/NDF : 37.6/31

Left Out: 325.955 ± 160.042 χ^2/NDF : 26.8/23

Right Out: 1043.464 ± 183.893 χ^2/NDF : 66.2/35

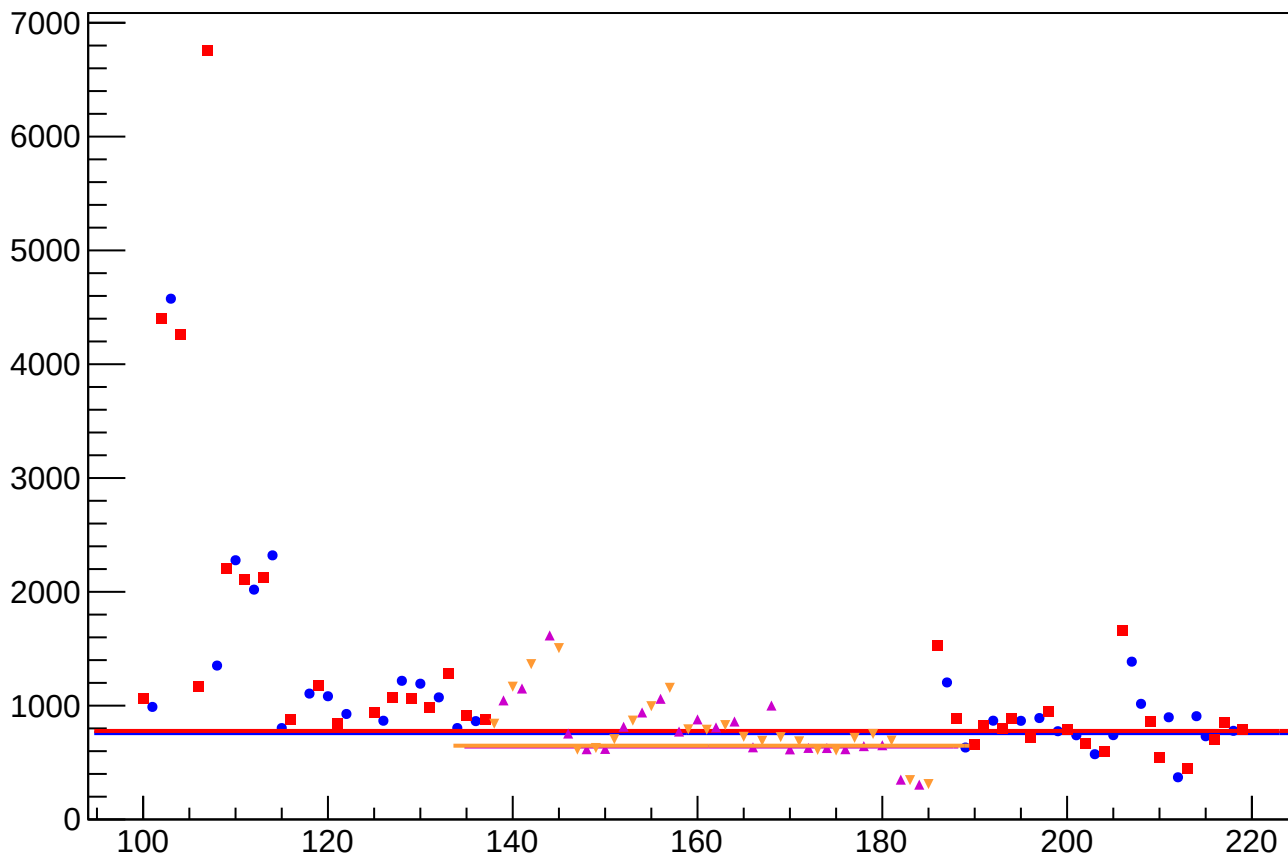
Left In: -59.619 ± 159.670 χ^2/NDF : 22.7/22

+ sign 487.930 ± 120.425 χ^2/NDF : 66.7/55

All: 451.273 ± 85.203 χ^2/NDF : 176.3/114

- sign 414.532 ± 120.565 χ^2/NDF : 109.4/58

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 758.462 $\pm$ 0.129 χ^2 /NDF: 5082058.4/31

Left Out: 648.101 $\pm$ 0.113 χ^2 /NDF: 3887001.9/23

Right Out: 777.766 $\pm$ 0.130 χ^2 /NDF: 5896478.7/35

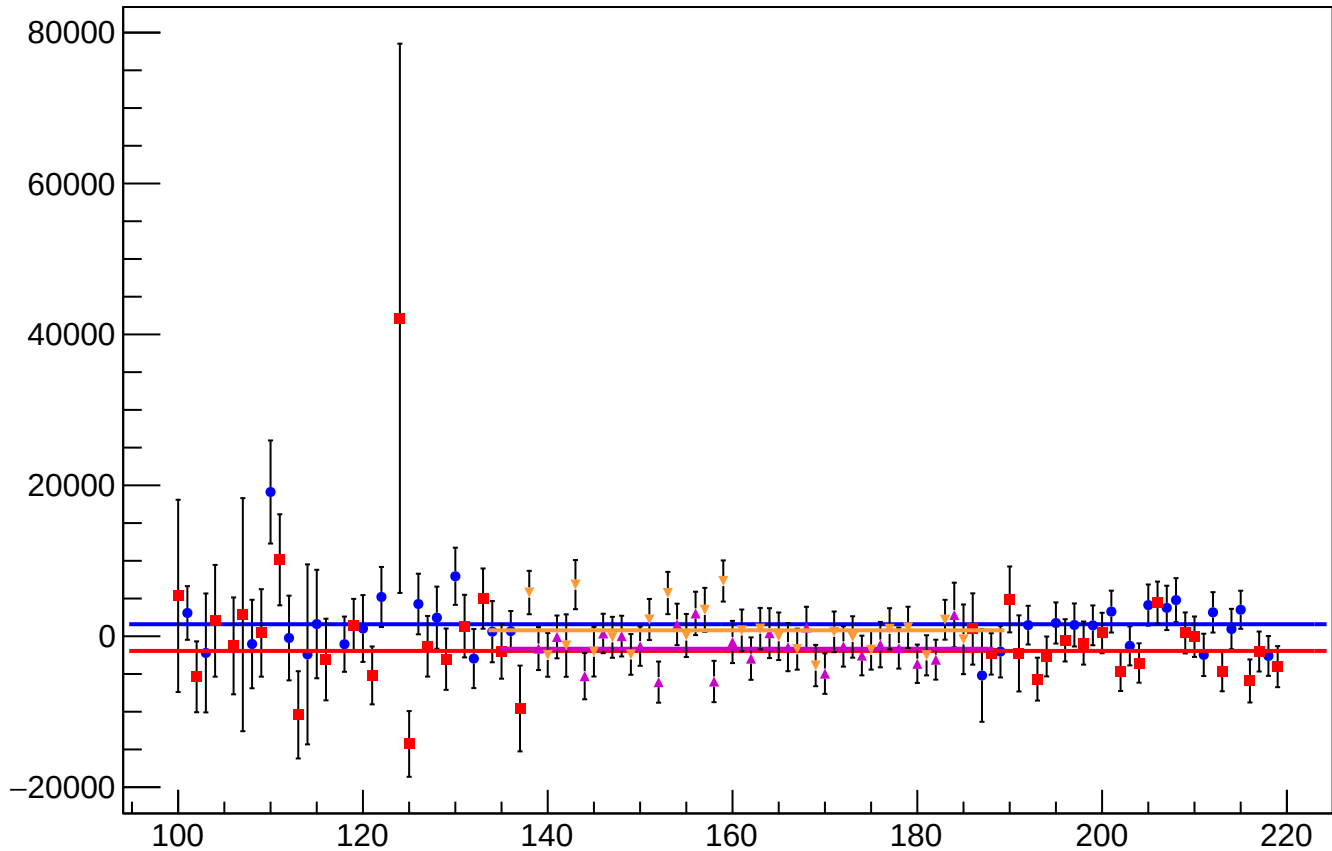
Left In: 640.423 $\pm$ 0.113 χ^2 /NDF: 4128774.2/22

+ sign 695.976 $\pm$ 0.085 χ^2 /NDF: 9381616.7/55

All: 697.715 $\pm$ 0.060 χ^2 /NDF: 20043781.5/11

- sign 699.459 $\pm$ 0.085 χ^2 /NDF: 10661329.3/58

asym_atl1_mean vs Slug



Right In: 1594.662 ± 590.313 χ^2/NDF : 25.8/31

Left Out: 791.438 ± 573.266 χ^2/NDF : 27.1/24

Right Out: -1941.033 ± 582.960 χ^2/NDF : 41.8/36

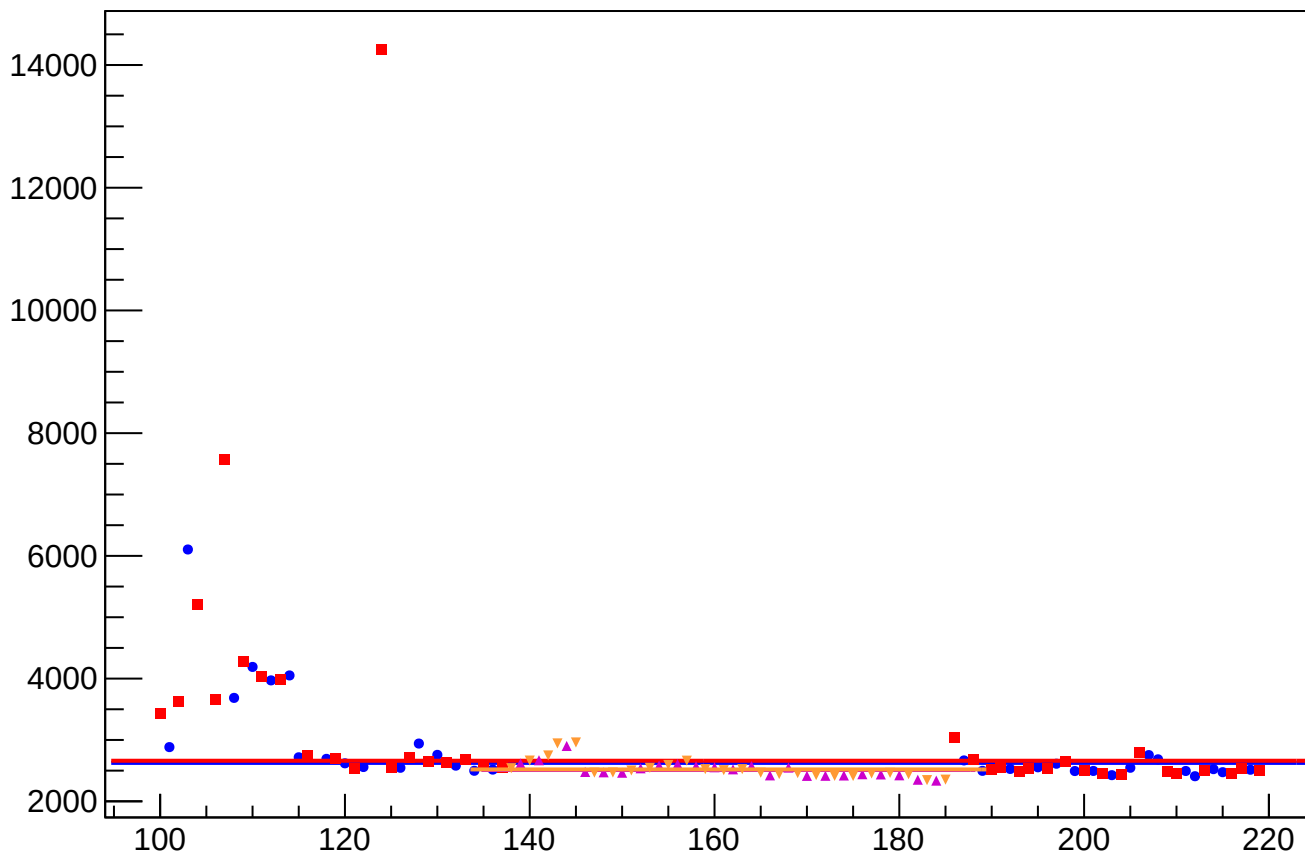
Left In: -1654.626 ± 586.767 χ^2/NDF : 17.3/22

+ sign 1181.285 ± 411.255 χ^2/NDF : 53.9/56

All: -300.430 ± 291.611 χ^2/NDF : 139.2/116

- sign -1798.762 ± 413.554 χ^2/NDF : 59.2/59

asym_atl1_rms vs Slug



Right In: 2626.017+/-0.417 χ^2/NDF : 801909.8/31

Left Out: 2519.516+/-0.405 χ^2/NDF :115204.3/24

Right Out: 2661.227+/-0.412 χ^2/NDF : 1273277.2/36

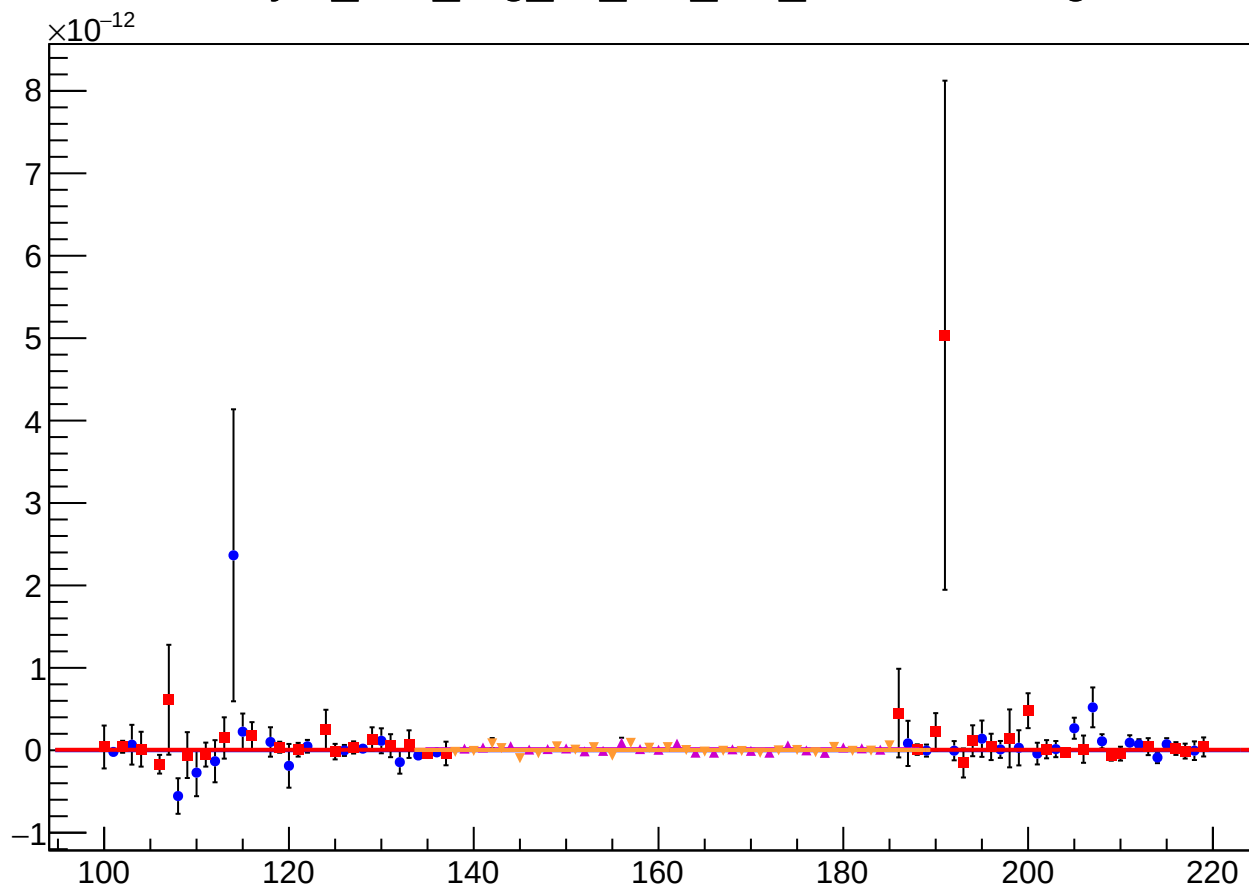
Left In: 2510.156+/-0.415 χ^2/NDF :73771.4/22

+ sign 2571.206+/-0.291 χ^2/NDF : 950617.1/56

All: 2578.653+/-0.206 χ^2/NDF : 2365703.2/11

- sign 2586.183+/-0.292 χ^2/NDF : 1413767.3/59

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 32.9/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.0/36

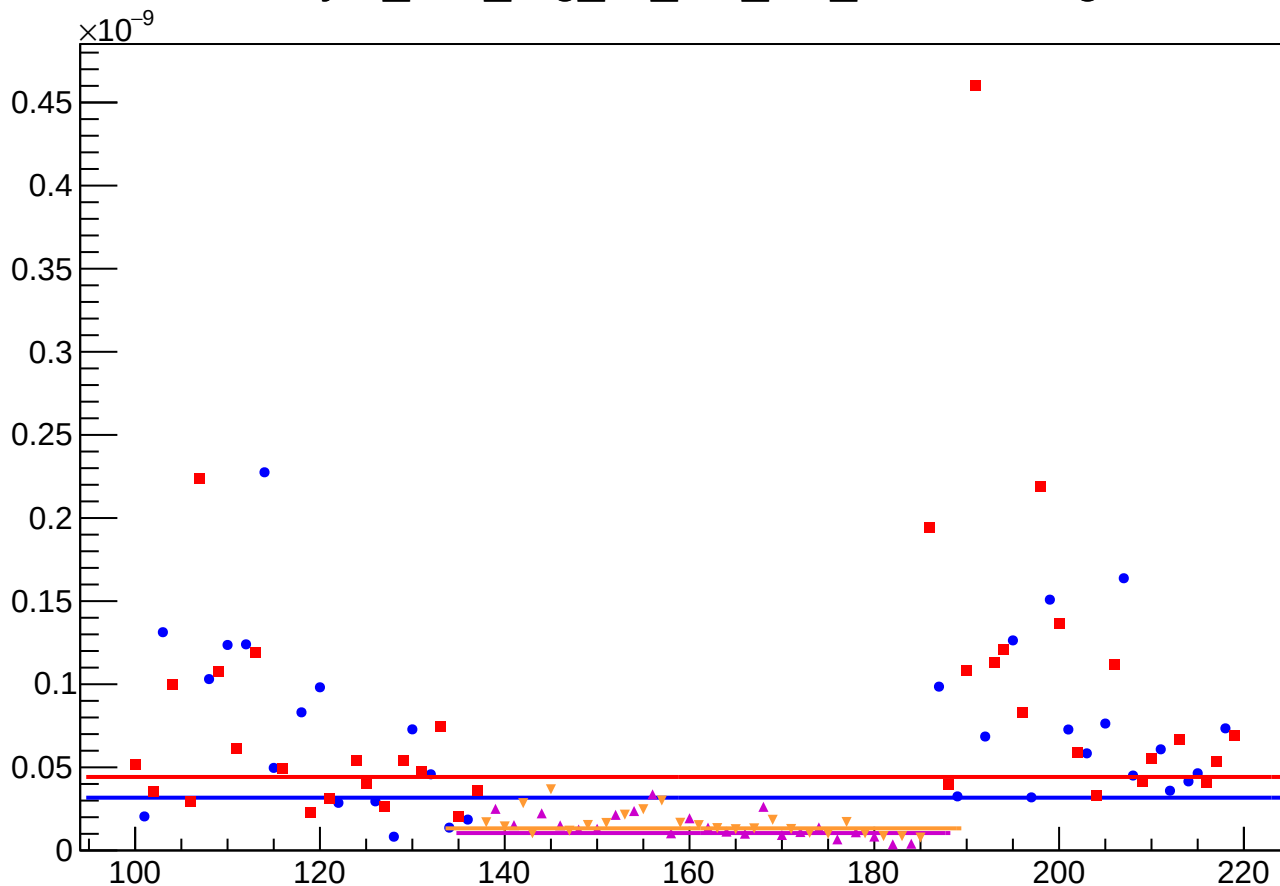
Left In: 0.000 ± 0.000 χ^2/NDF : 32.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 61.7/56

All: 0.000 ± 0.000 χ^2/NDF : 117.2/116

- sign 0.000 ± 0.000 χ^2/NDF : 53.4/59

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6131998.8/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1472019.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4229208.9/36

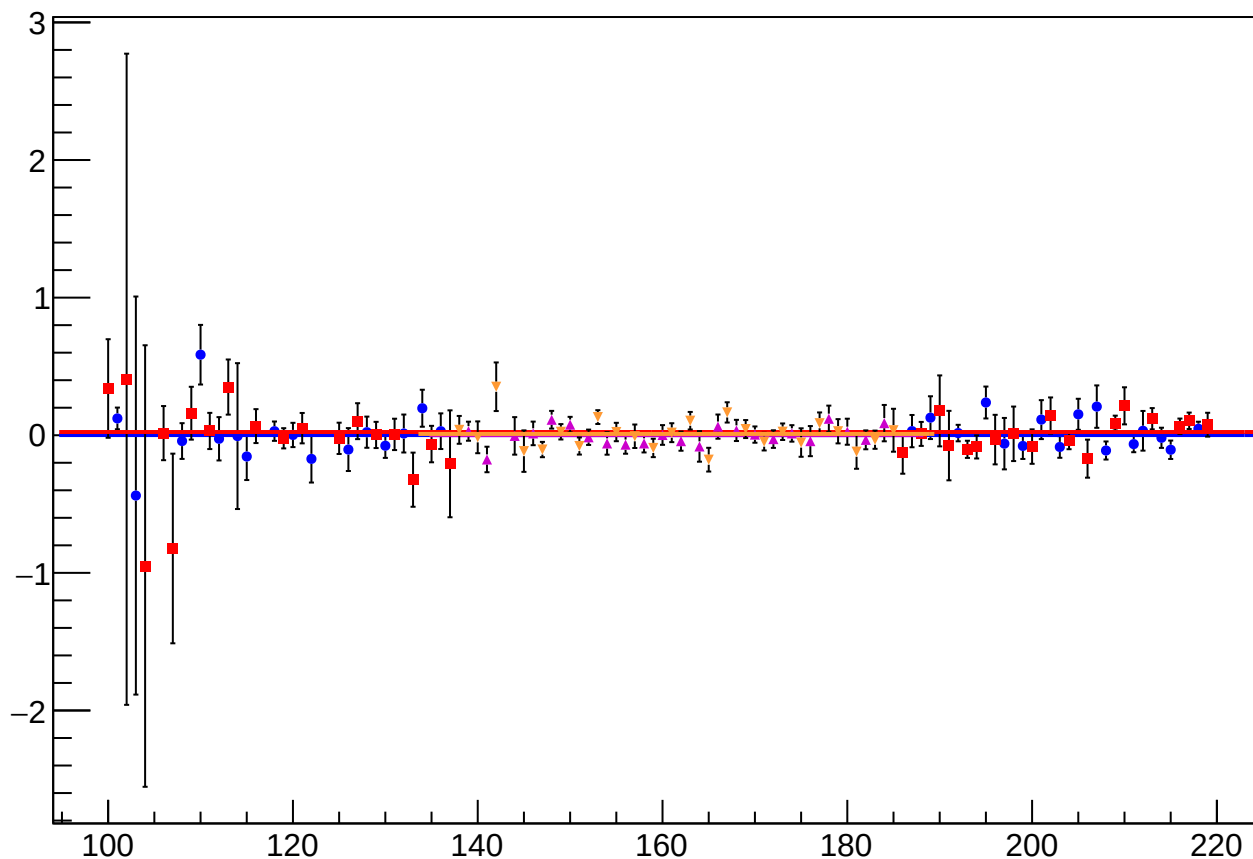
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2813965.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 10614729.4/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 25029442.6/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 14099360.1/59

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.017 χ^2/NDF : 34.1/31

Left Out: 0.009 ± 0.015 χ^2/NDF : 34.7/23

Right Out: 0.023 ± 0.017 χ^2/NDF : 30.7/35

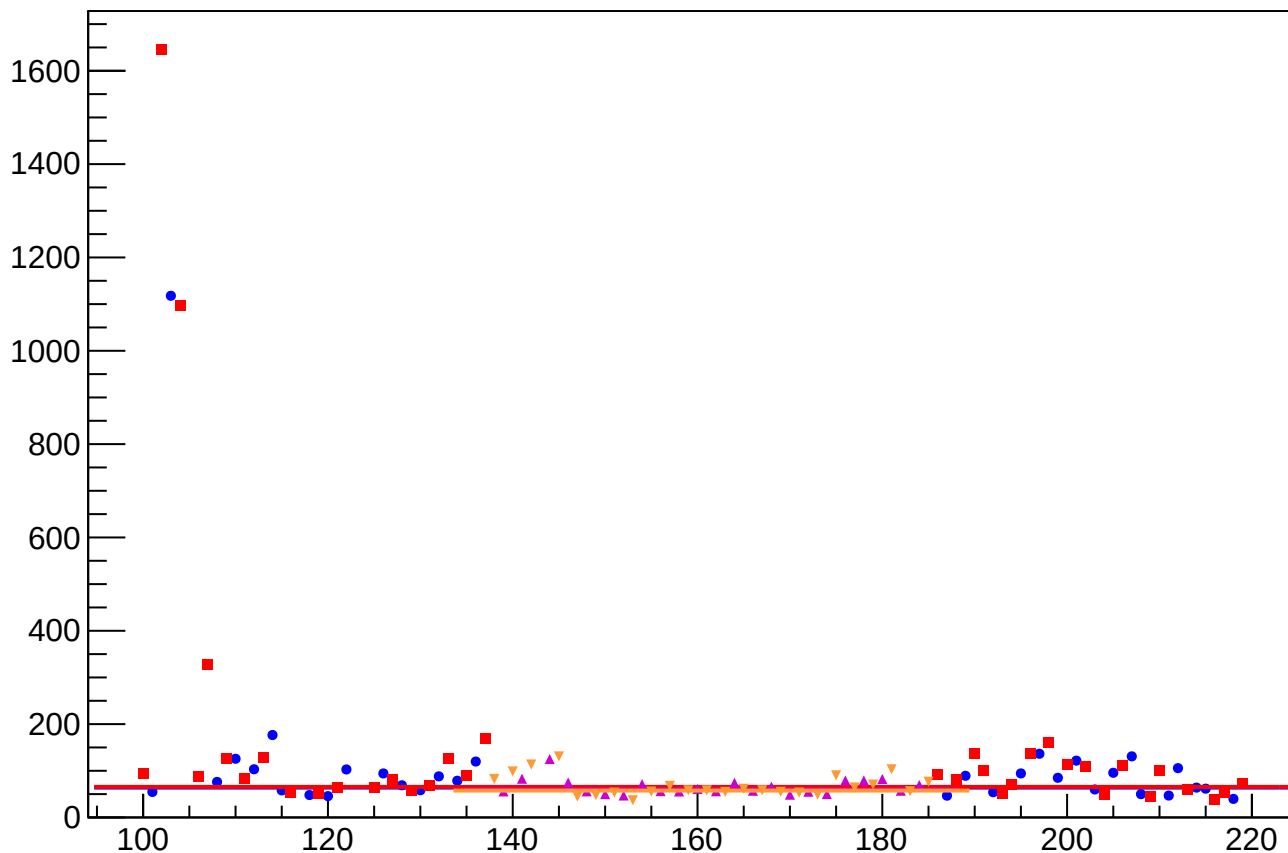
Left In: 0.001 ± 0.015 χ^2/NDF : 15.6/22

+ sign 0.006 ± 0.011 χ^2/NDF : 68.9/55

All: 0.008 ± 0.008 χ^2/NDF : 116.2/114

- sign 0.011 ± 0.012 χ^2/NDF : 47.2/58

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 64.054 $\pm$ 0.012 χ^2 /NDF: 4757501.1/31

Left Out: 57.606 $\pm$ 0.011 χ^2 /NDF: 2213142.2/23

Right Out: 65.426 $\pm$ 0.012 χ^2 /NDF: 6112221.1/35

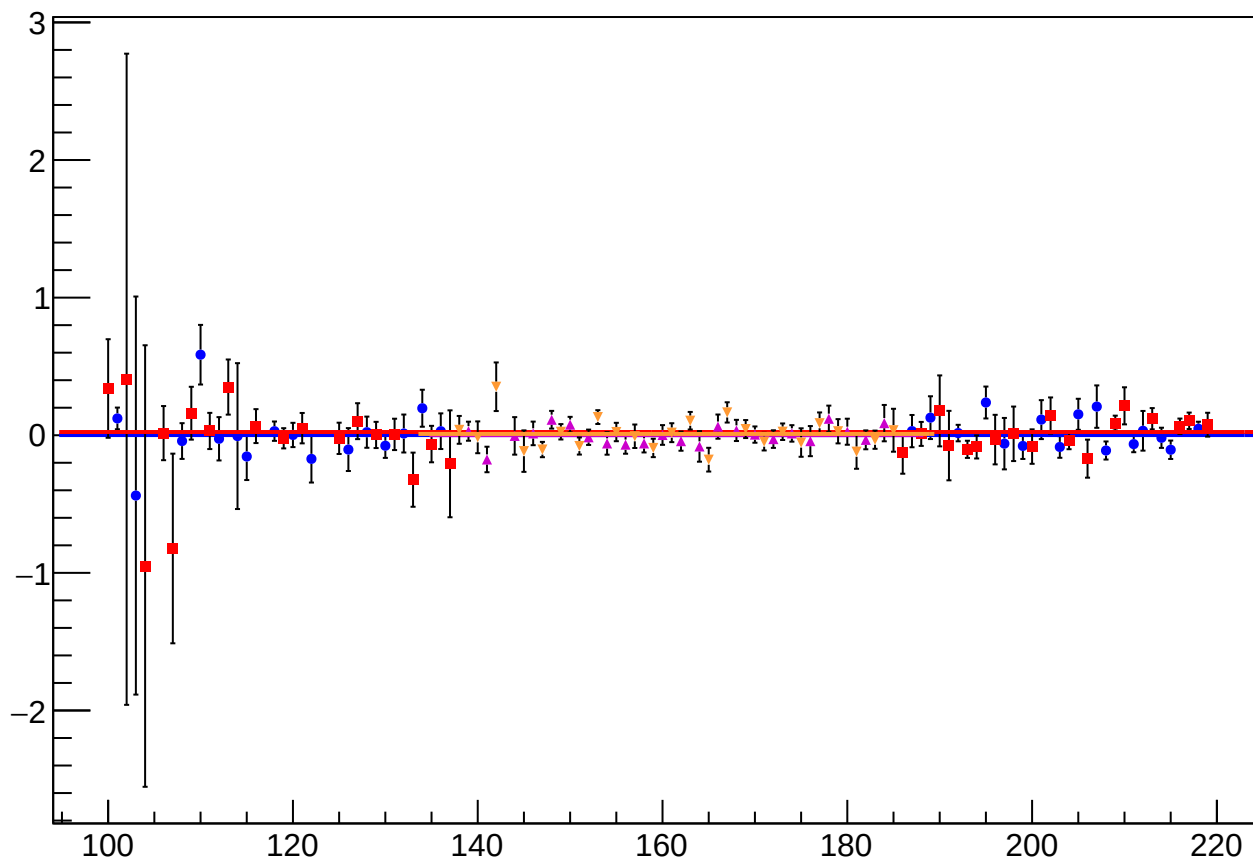
Left In: 59.828 $\pm$ 0.011 χ^2 /NDF: 1340700.1/22

+ sign 60.423 $\pm$ 0.008 χ^2 /NDF: 7129835.3/55

All: 61.340 $\pm$ 0.006 χ^2 /NDF: 14724725.3/114

- sign 62.298 $\pm$ 0.008 χ^2 /NDF: 7568135.1/58

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.017 χ^2/NDF : 34.1/31

Left Out: 0.009 ± 0.015 χ^2/NDF : 34.7/23

Right Out: 0.023 ± 0.017 χ^2/NDF : 30.7/35

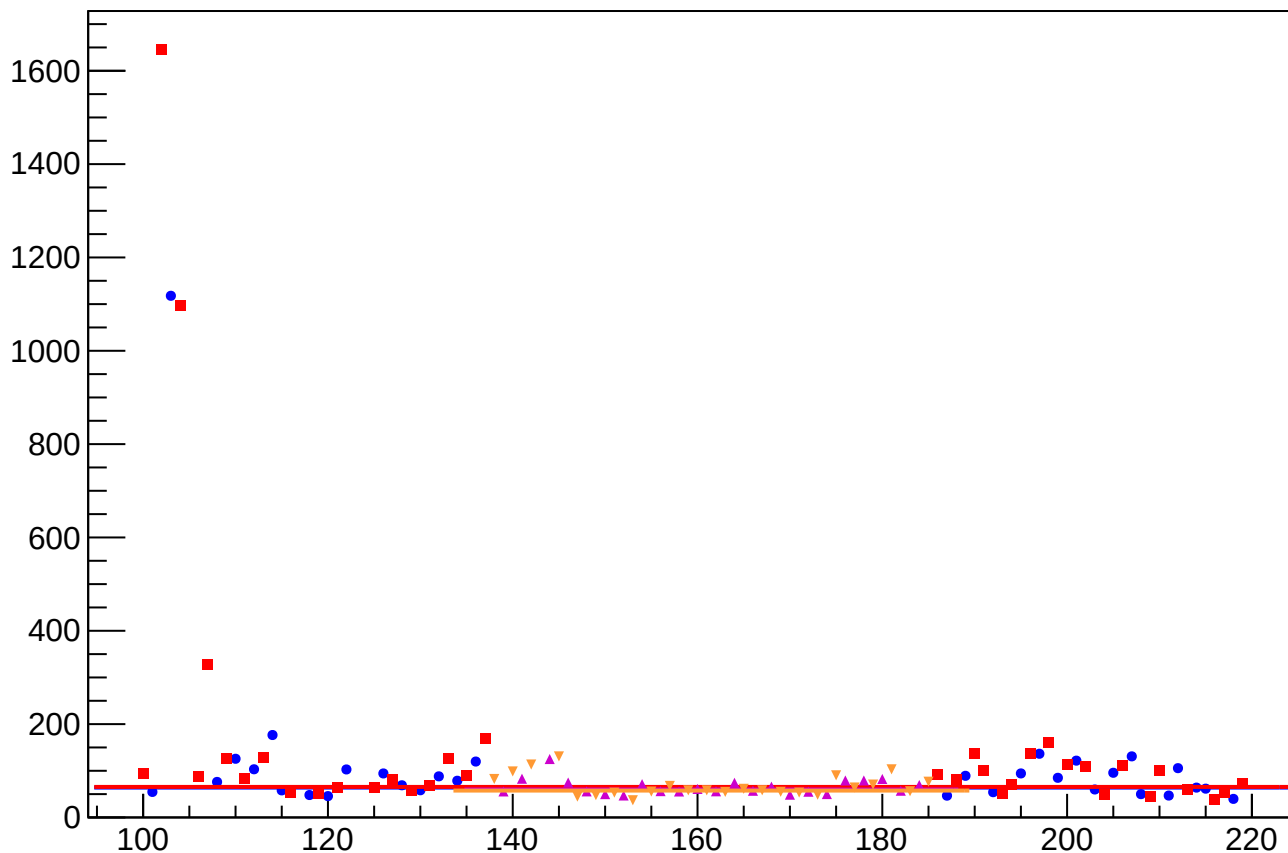
Left In: 0.001 ± 0.015 χ^2/NDF : 15.6/22

+ sign 0.006 ± 0.011 χ^2/NDF : 68.9/55

All: 0.008 ± 0.008 χ^2/NDF : 116.2/114

- sign 0.011 ± 0.012 χ^2/NDF : 47.2/58

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 64.054 $\pm$ 0.012 χ^2 /NDF: 4757501.1/31

Left Out: 57.606 $\pm$ 0.011 χ^2 /NDF: 2213142.2/23

Right Out: 65.426 $\pm$ 0.012 χ^2 /NDF: 6112221.1/35

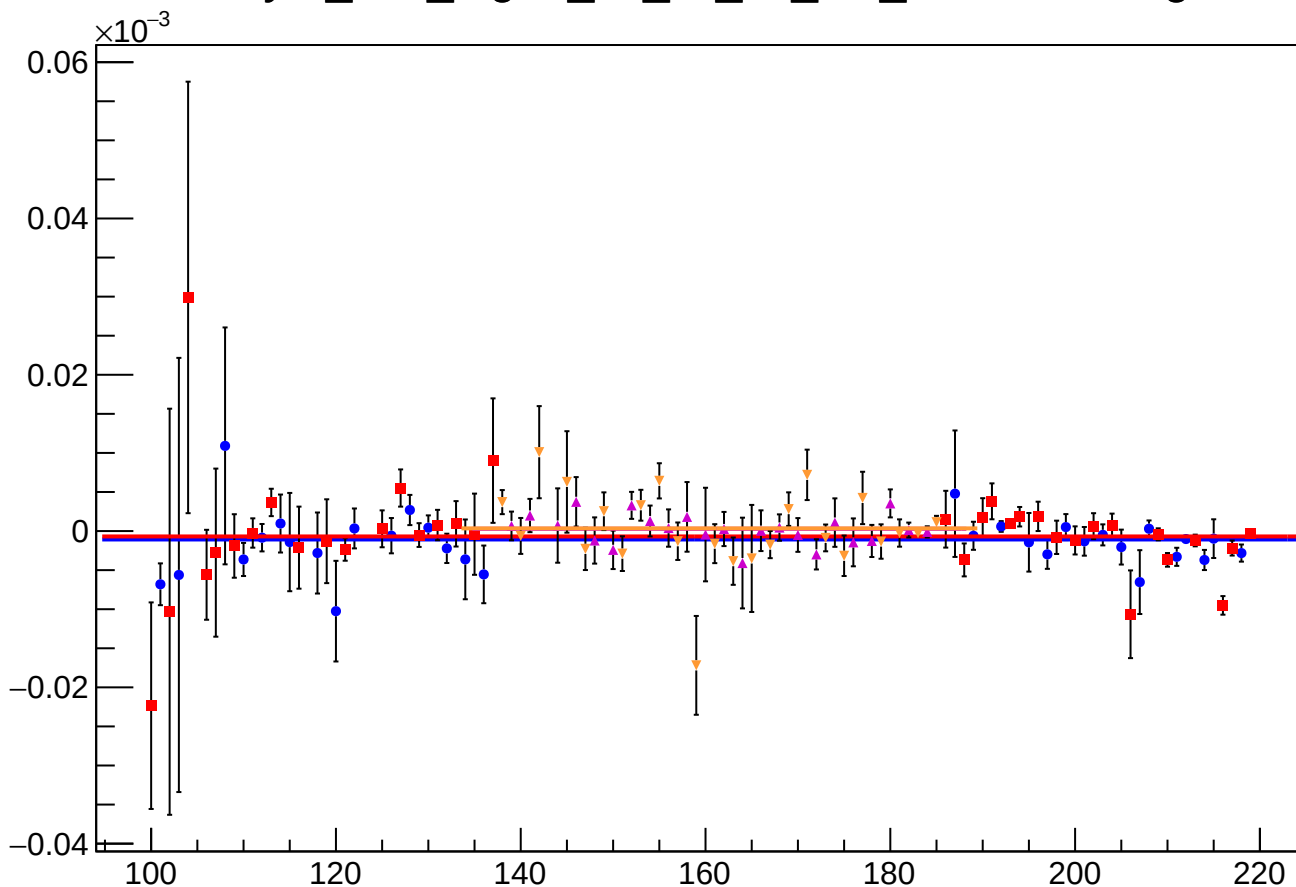
Left In: 59.828 $\pm$ 0.011 χ^2 /NDF: 1340700.1/22

+ sign 60.423 $\pm$ 0.008 χ^2 /NDF: 7129835.3/55

All: 61.340 $\pm$ 0.006 χ^2 /NDF: 14724725.3/114

- sign 62.298 $\pm$ 0.008 χ^2 /NDF: 7568135.1/58

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 39.0/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 46.8/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 117.5/35

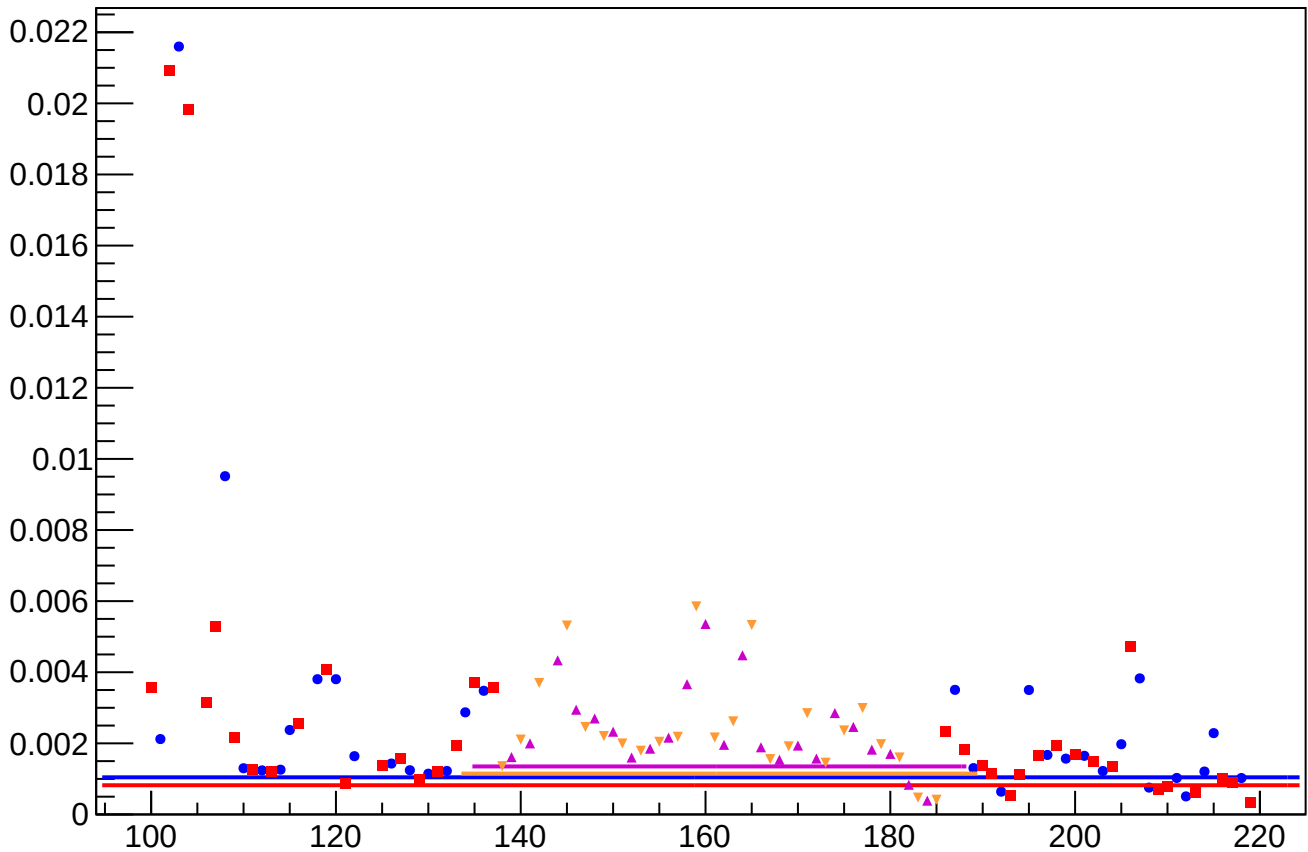
Left In: 0.000 ± 0.000 χ^2/NDF : 14.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 96.0/55

All: -0.000 ± 0.000 χ^2/NDF : 233.3/114

- sign -0.000 ± 0.000 χ^2/NDF : 137.2/58

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 10564993.8/31

Left Out: 0.001+/-0.000 χ^2/NDF :13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF : 12823650.6/35

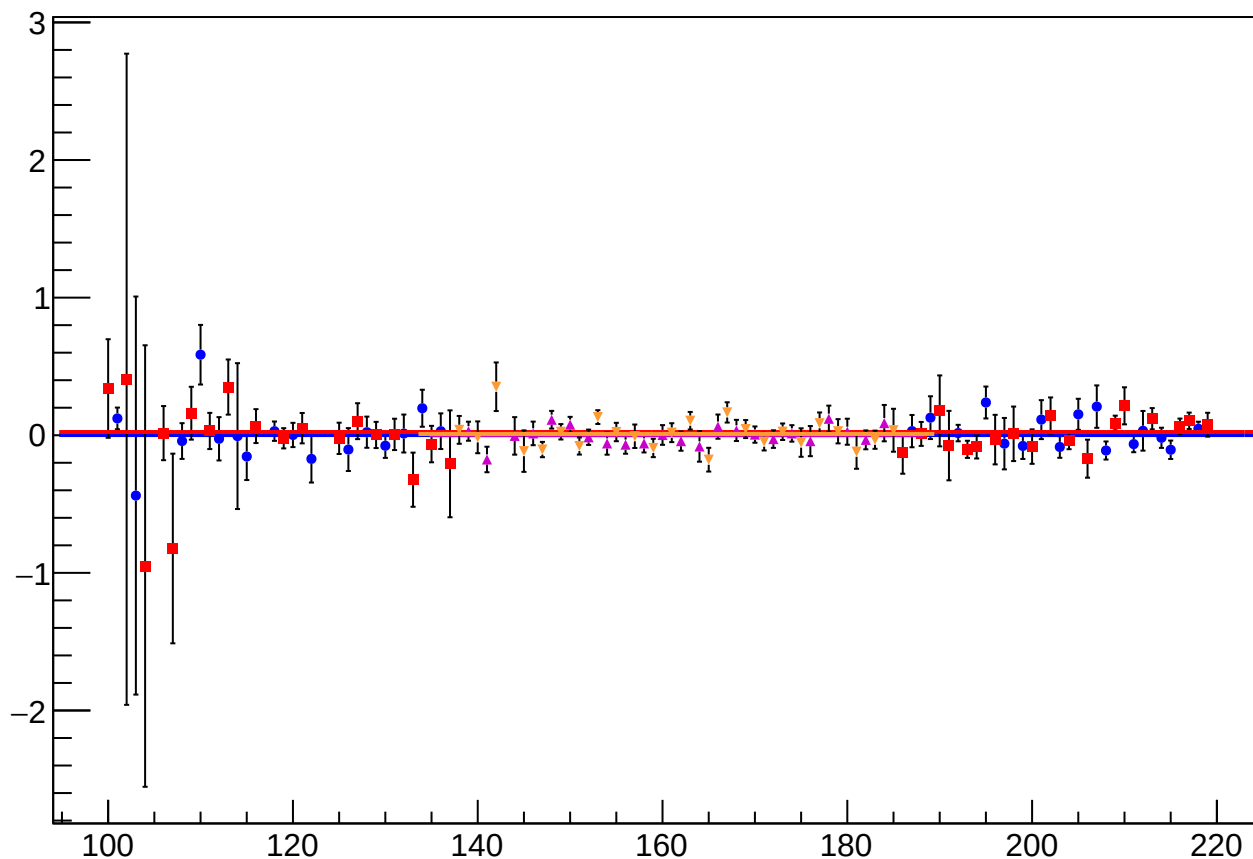
Left In: 0.001+/-0.000 χ^2/NDF :10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 23921329.3/55

All: 0.001+/-0.000 χ^2/NDF : 50208395.4/114

- sign 0.001+/-0.000 χ^2/NDF : 25900843.4/58

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.017 χ^2/NDF : 34.1/31

Left Out: 0.009 ± 0.015 χ^2/NDF : 34.7/23

Right Out: 0.023 ± 0.017 χ^2/NDF : 30.7/35

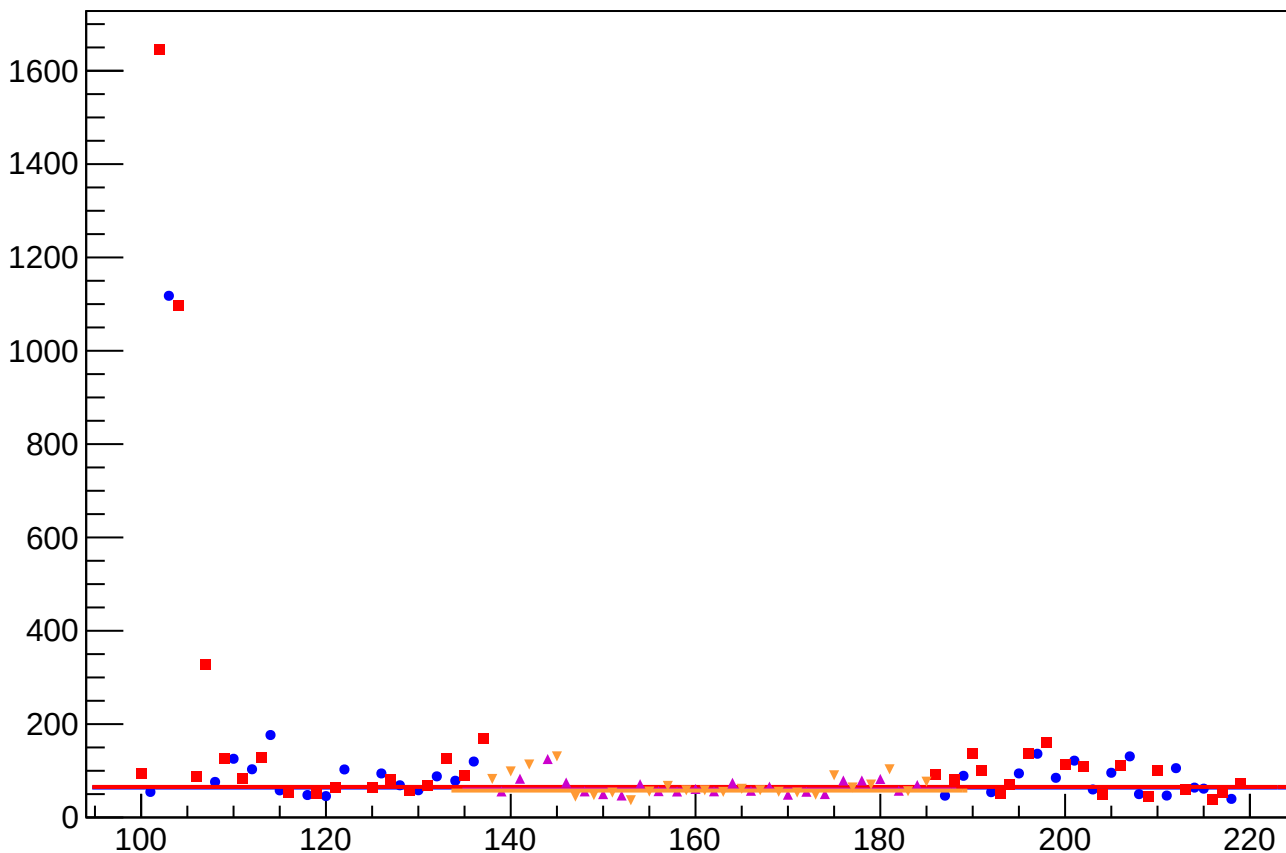
Left In: 0.001 ± 0.015 χ^2/NDF : 15.6/22

+ sign 0.006 ± 0.011 χ^2/NDF : 68.9/55

All: 0.008 ± 0.008 χ^2/NDF : 116.2/114

- sign 0.011 ± 0.012 χ^2/NDF : 47.2/58

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 64.053+/-0.012 χ^2/NDF : 4757653.1/31

Left Out: 57.606+/-0.011 χ^2/NDF : 2213216.3/23

Right Out: 65.426+/-0.012 χ^2/NDF : 6112236.9/35

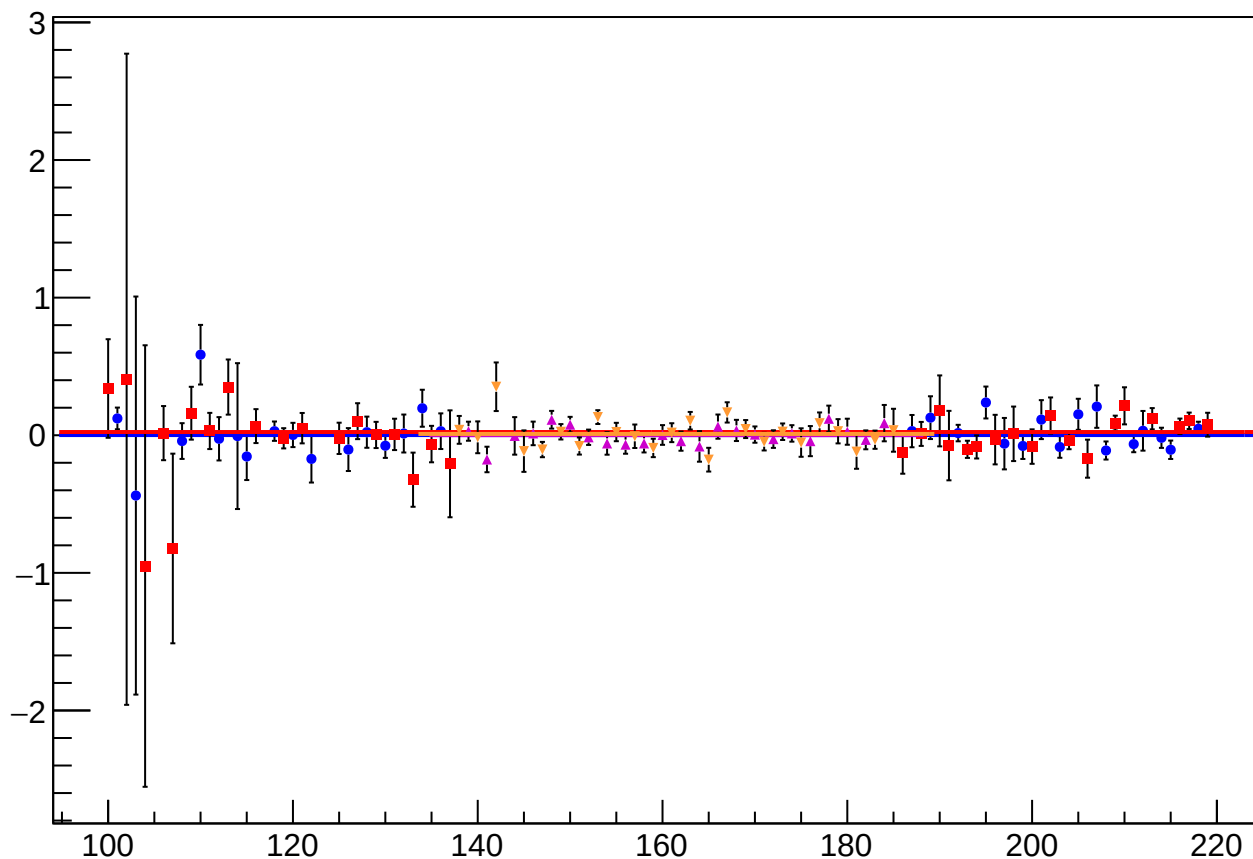
Left In: 59.828+/-0.011 χ^2/NDF : 1340684.6/22

+ sign 60.423+/-0.008 χ^2/NDF : 7130040.7/55

All: 61.340+/-0.006 χ^2/NDF : 14724933.5/114

- sign 62.298+/-0.008 χ^2/NDF : 7568129.8/58

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.017 χ^2/NDF : 34.1/31

Left Out: 0.009 ± 0.015 χ^2/NDF : 34.7/23

Right Out: 0.023 ± 0.017 χ^2/NDF : 30.7/35

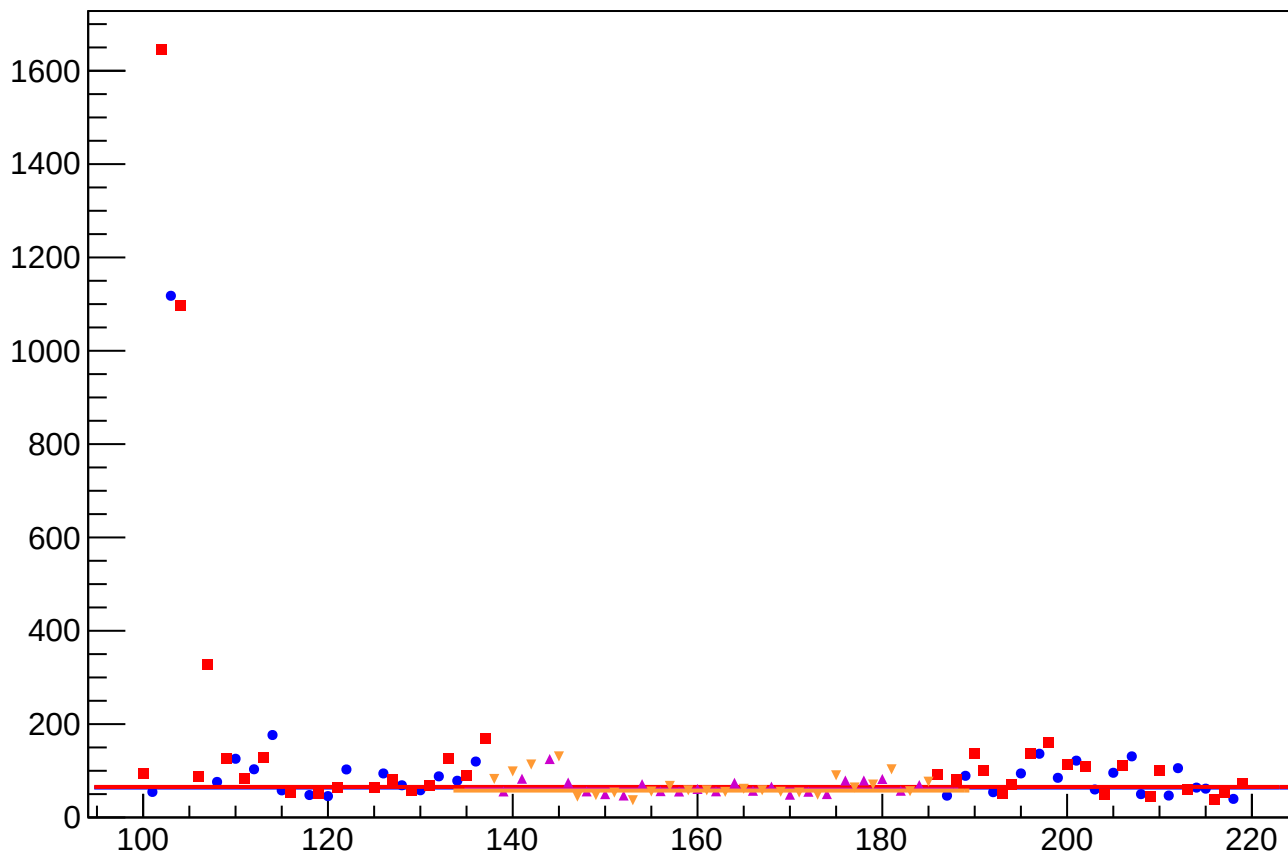
Left In: 0.001 ± 0.015 χ^2/NDF : 15.6/22

+ sign 0.006 ± 0.011 χ^2/NDF : 68.9/55

All: 0.008 ± 0.008 χ^2/NDF : 116.2/114

- sign 0.011 ± 0.012 χ^2/NDF : 47.2/58

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 64.053+/-0.012 χ^2/NDF : 4757653.1/31

Left Out: 57.606+/-0.011 χ^2/NDF : 2213216.3/23

Right Out: 65.426+/-0.012 χ^2/NDF : 6112236.9/35

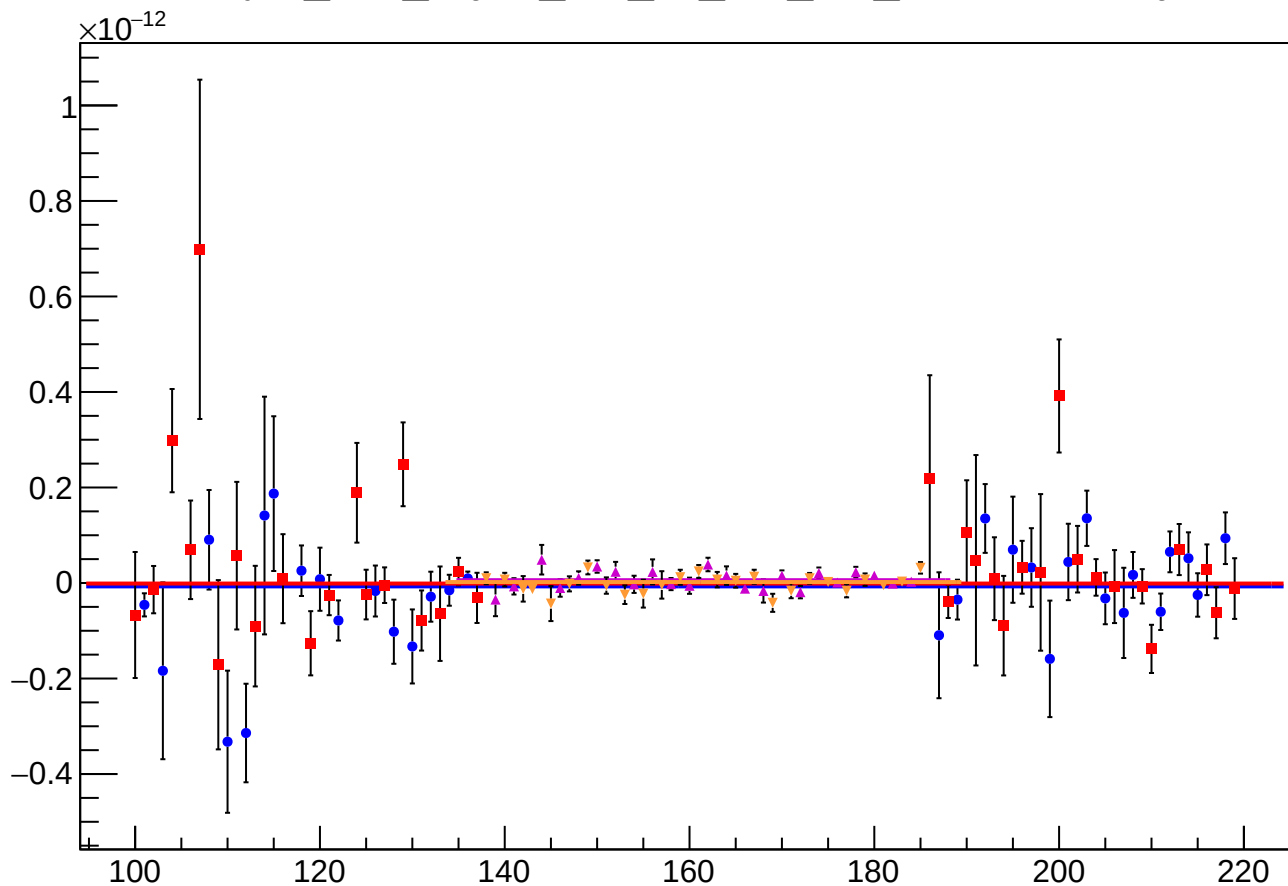
Left In: 59.828+/-0.011 χ^2/NDF : 1340684.6/22

+ sign 60.423+/-0.008 χ^2/NDF : 7130040.7/55

All: 61.340+/-0.006 χ^2/NDF : 14724933.5/114

- sign 62.298+/-0.008 χ^2/NDF : 7568129.8/58

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 53.4/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 31.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 59.2/36

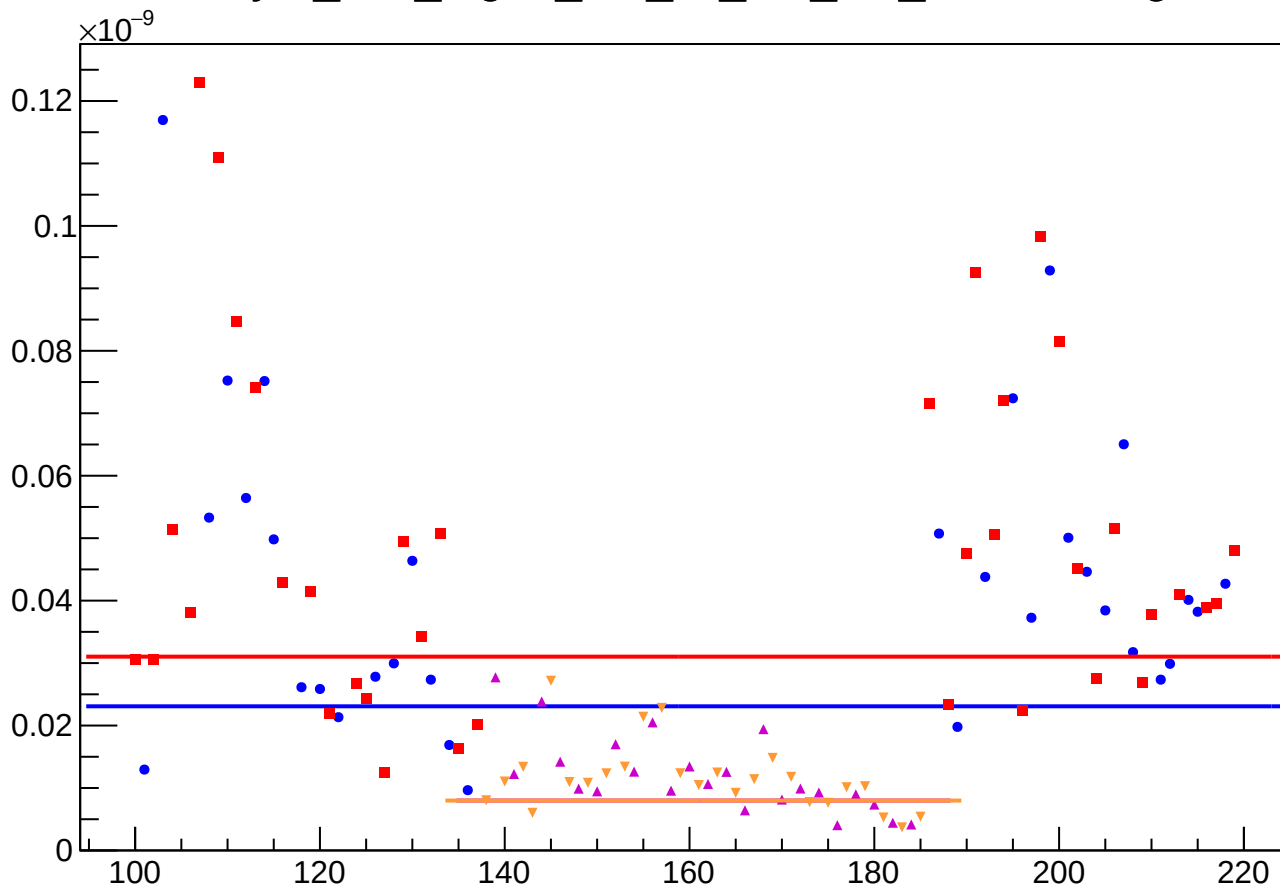
Left In: 0.000 ± 0.000 χ^2/NDF : 32.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 86.4/56

All: 0.000 ± 0.000 χ^2/NDF : 180.2/116

- sign 0.000 ± 0.000 χ^2/NDF : 92.2/59

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6930977.5/31

Left Out: 0.000+/-0.000 χ^2/NDF : 4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4721831.0/36

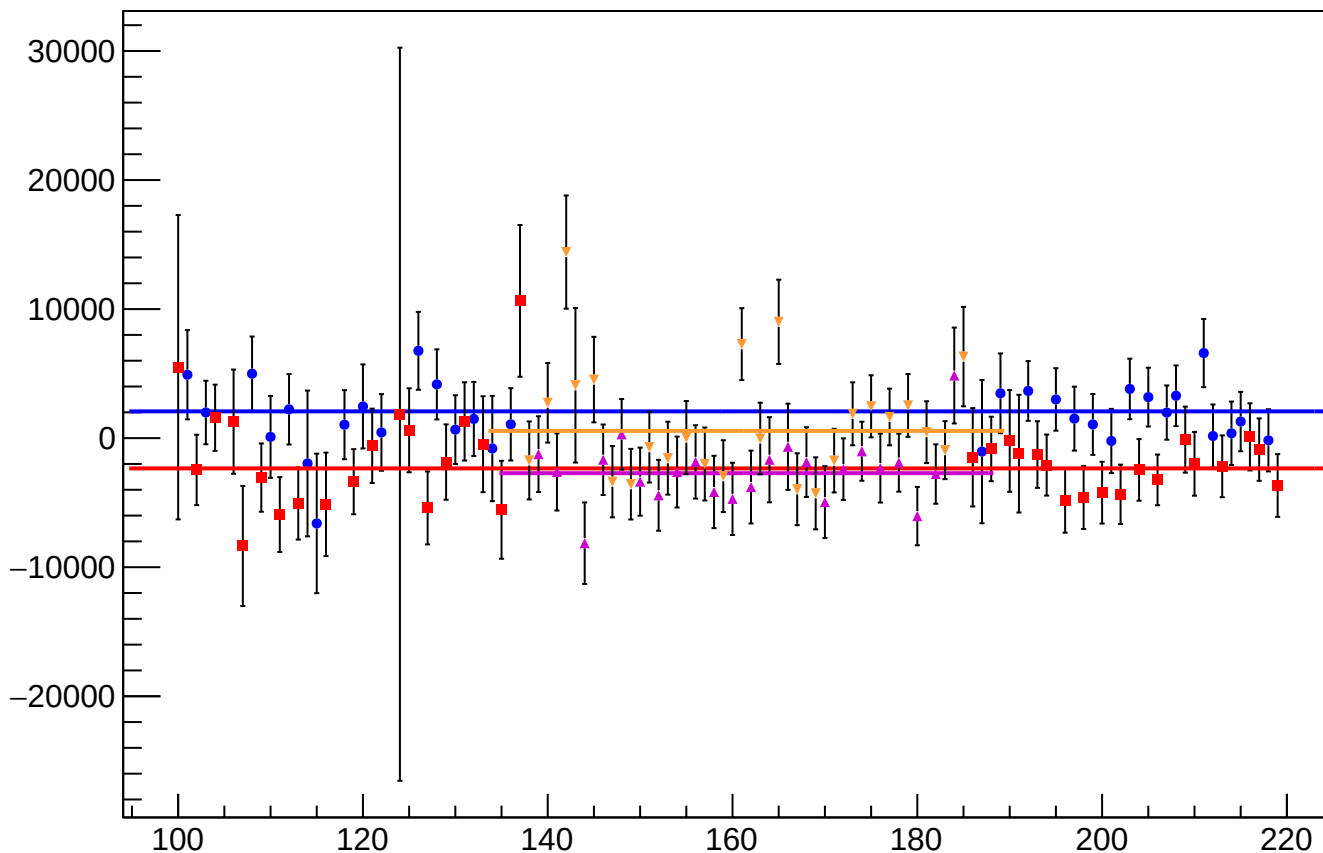
Left In: 0.000+/-0.000 χ^2/NDF : 5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 18035243.4/56

All: 0.000+/-0.000 χ^2/NDF : 37995466.7/116

- sign 0.000+/-0.000 χ^2/NDF : 19955848.1/59

reg_asym_atl2_mean vs Slug



Right In: 2074.481 $\pm$ 480.563 χ^2 /NDF: 17.9/31

Left Out: 562.390 $\pm$ 557.316 χ^2 /NDF:43.9/24

Right Out: -2345.062 $\pm$ 470.119 χ^2 /NDF: 24.9/36

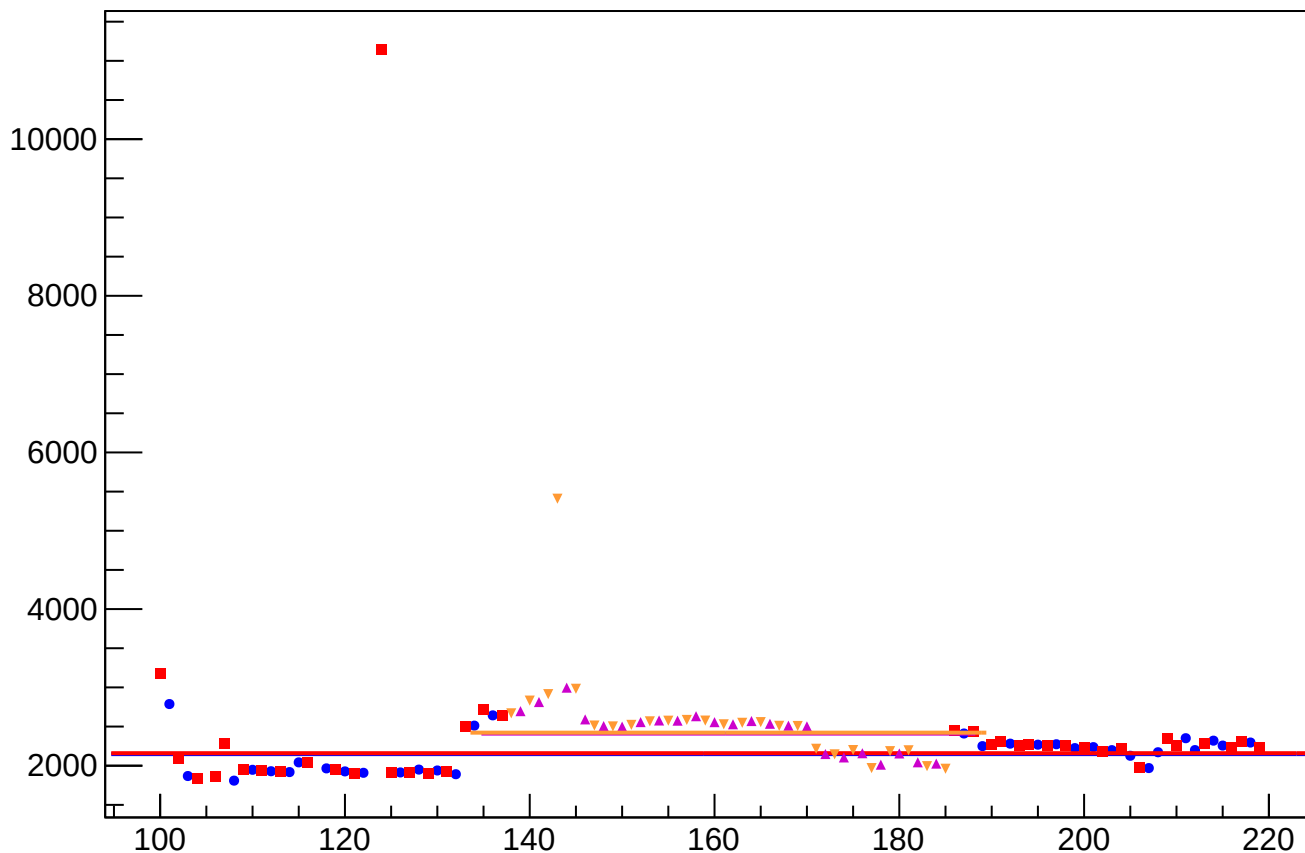
Left In: -2716.200 $\pm$ 566.202 χ^2 /NDF:14.3/22

+ sign 1429.650 $\pm$ 363.945 χ^2 /NDF: 66.0/56

All: -545.613 $\pm$ 256.548 χ^2 /NDF: 164.0/116

- sign -2496.514 $\pm$ 361.694 χ^2 /NDF: 39.4/59

reg_asym_atl2_rms vs Slug



Right In: 2148.082 $\pm$ 0.340 χ^2 /NDF: 385758.1/31

Left Out: 2422.152 $\pm$ 0.394 χ^2 /NDF: 952857.9/24

Right Out: 2159.912 $\pm$ 0.332 χ^2 /NDF: 563551.3/36

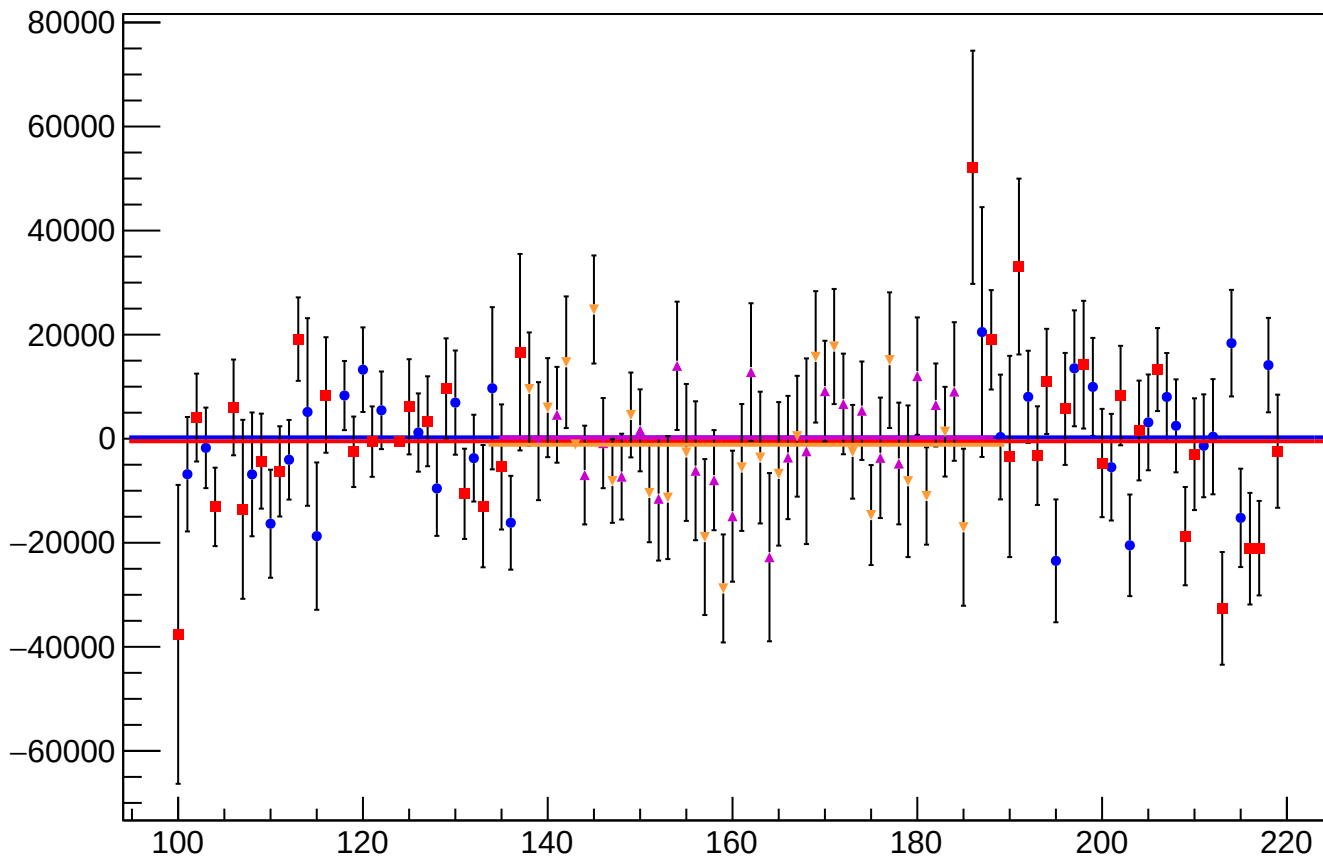
Left In: 2409.820 $\pm$ 0.400 χ^2 /NDF: 428364.2/22

+ sign 2264.959 $\pm$ 0.257 χ^2 /NDF: 1616024.2/56

All: 2263.417 $\pm$ 0.181 χ^2 /NDF: 2838639.5/11

- sign 2261.893 $\pm$ 0.256 χ^2 /NDF: 1222544.0/59

asym_atl2_reg_correction_mean vs Slug



Right In: 255.914 $\pm$ 1689.863 χ^2 /NDF: 37.6/31

Left Out: -1158.214 $\pm$ 757.797 χ^2 /NDF:31.9/24

Right Out: -489.714 $\pm$ 734.437 χ^2 /NDF: 60.7/36

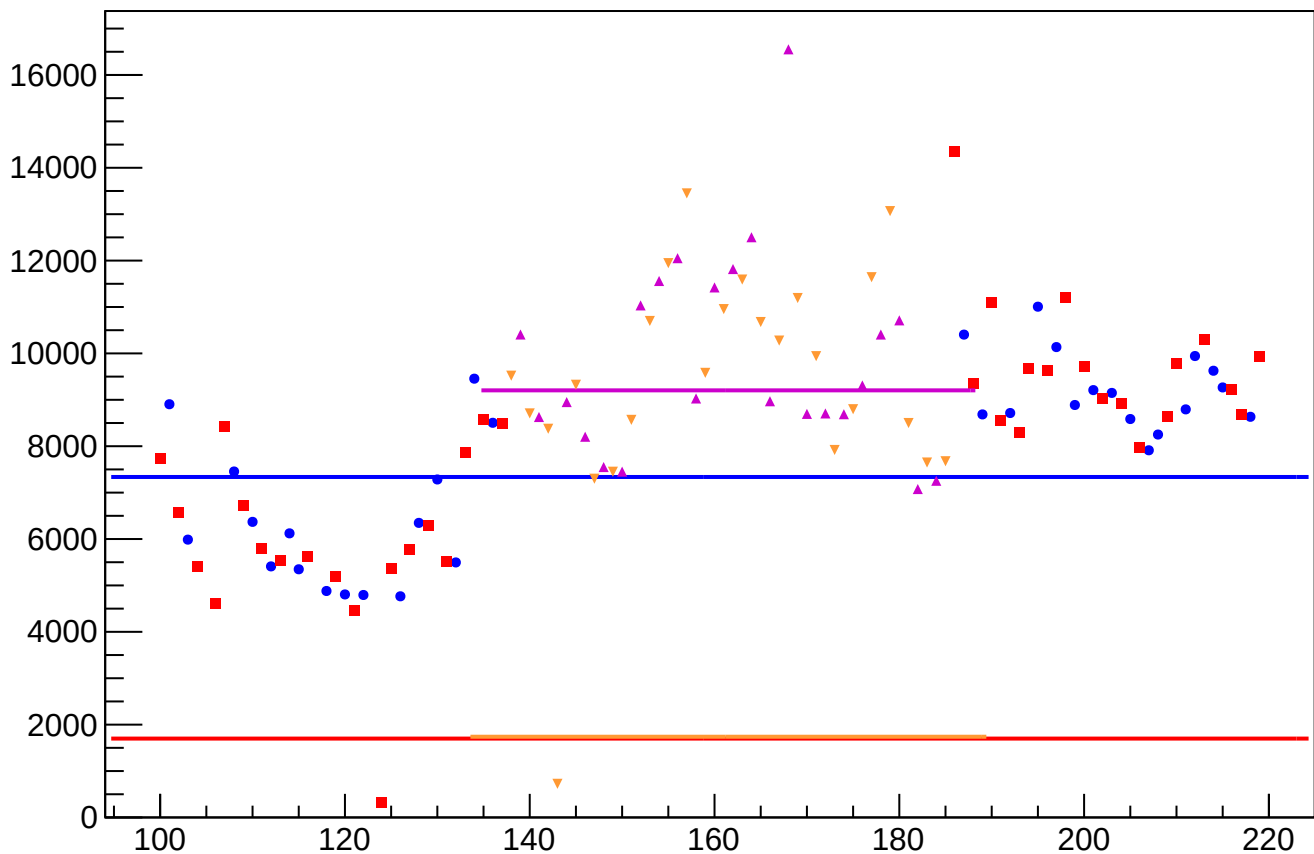
Left In: 209.655 $\pm$ 2195.058 χ^2 /NDF:13.4/22

+ sign -921.451 $\pm$ 691.455 χ^2 /NDF: 70.1/56

All: -672.197 $\pm$ 490.702 χ^2 /NDF: 144.6/116

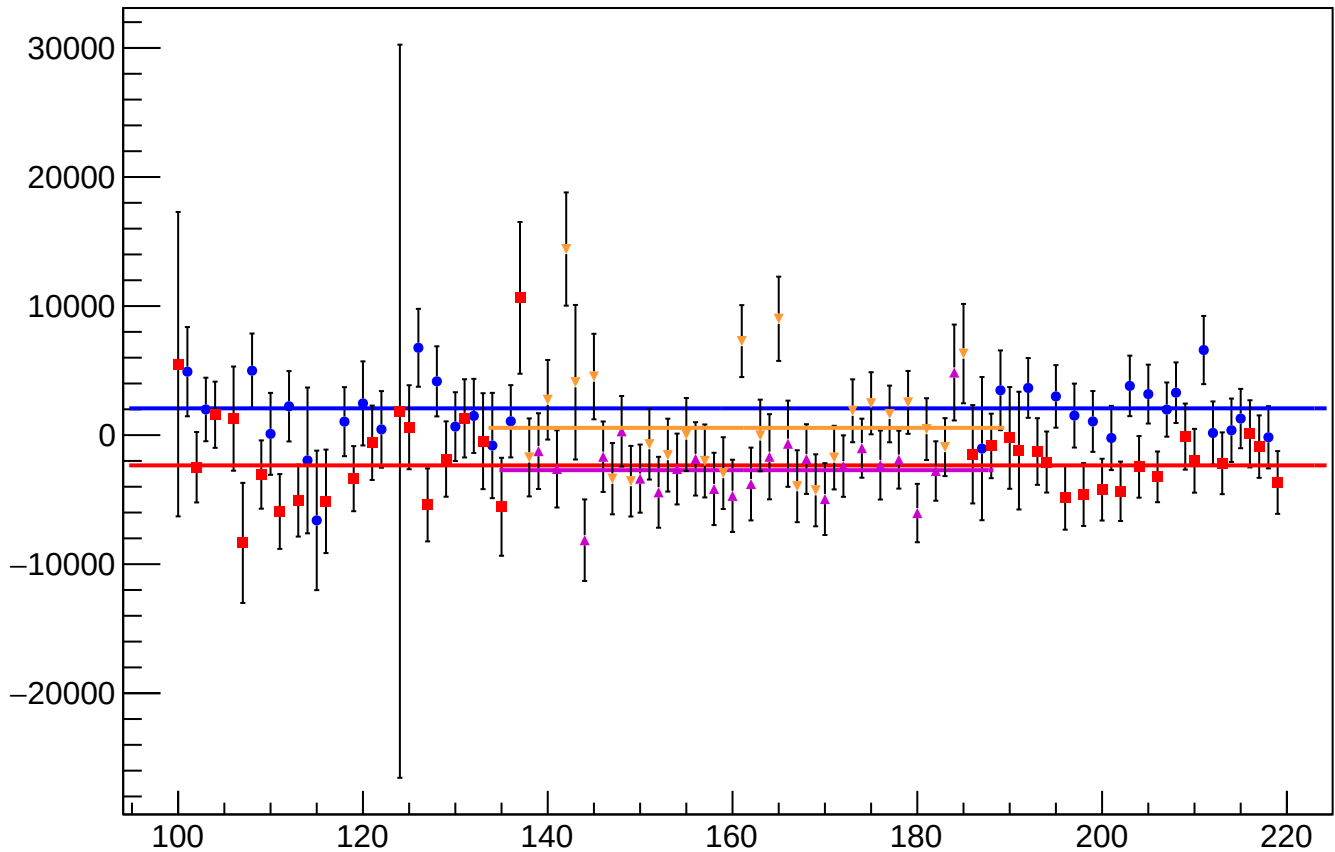
- sign -419.303 $\pm$ 696.486 χ^2 /NDF: 74.2/59

asym_atl2_reg_correction_rms vs Slug



Right In: 7337.005+/-1.195 χ^2/NDF : 2480040.7/31 + sign 2676.832+/-0.489 χ^2/NDF : 48482824.3/56
 Left Out: 1739.692+/-0.536 χ^2/NDF : 27734045.9/24 All: 2566.794+/-0.347 χ^2/NDF : 102777656.9
 Right Out: 1699.653+/-0.519 χ^2/NDF : 31899830.6/36 - sign 2455.148+/-0.492 χ^2/NDF : 54192789.9/59
 Left In: 9203.758+/-1.552 χ^2/NDF : 1272066.5/22

cor_asym_atl2_mean vs Slug



Right In: 2074.450+/-480.563 χ^2/NDF : 17.9/31

Left Out: 562.392+/-557.316 χ^2/NDF : 43.9/24

Right Out: -2345.780+/-470.121 χ^2/NDF : 24.9/36

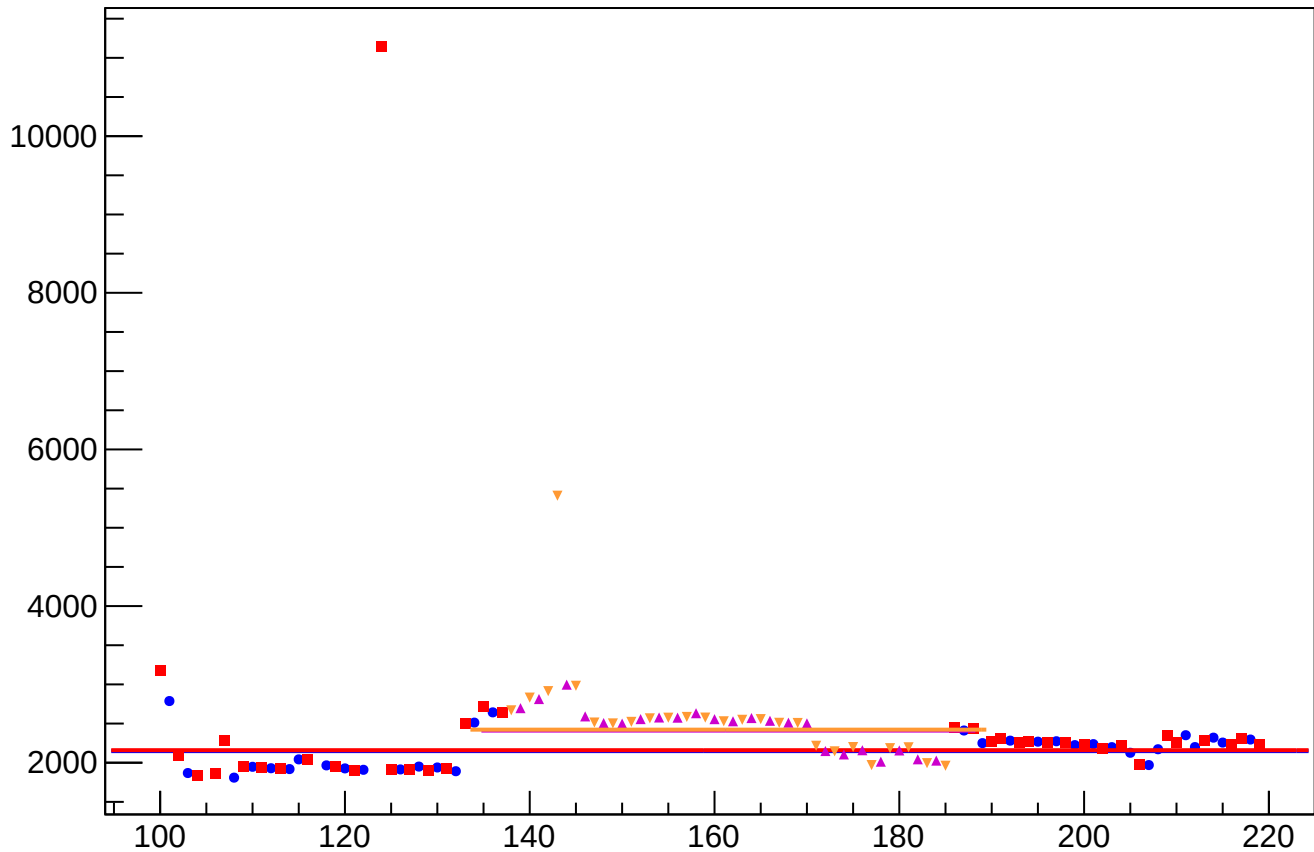
Left In: -2716.163+/-566.202 χ^2/NDF : 14.3/22

+ sign 1429.633+/-363.945 χ^2/NDF : 66.0/56

All: -545.823+/-256.549 χ^2/NDF : 164.0/116

- sign -2496.925+/-361.695 χ^2/NDF : 39.4/59

cor_asym_atl2_rms vs Slug



Right In: 2148.082 ± 0.340 χ^2/NDF : 385758.0/31

Left Out: 2422.152 ± 0.394 χ^2/NDF : 952857.9/24

Right Out: 2159.922 ± 0.332 χ^2/NDF : 563540.8/36

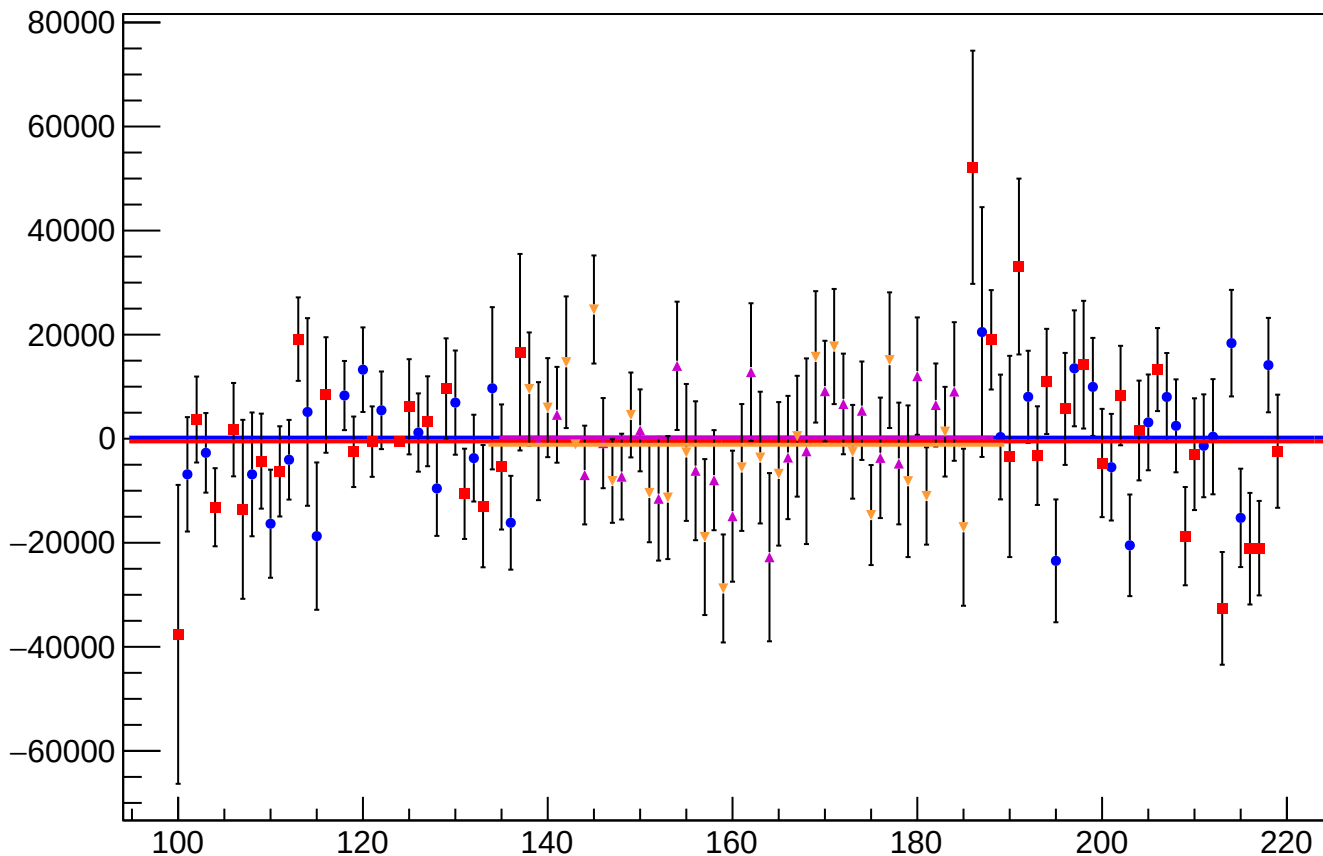
Left In: 2409.820 ± 0.400 χ^2/NDF : 428364.2/22

+ sign 2264.959 ± 0.257 χ^2/NDF : 1616024.2/56

All: 2263.420 ± 0.181 χ^2/NDF : 2838610.8/11

- sign 2261.899 ± 0.256 χ^2/NDF : 1222515.4/59

asym_atl2_cor_correction_mean vs Slug



Right In: 206.366 $\pm$ 1688.903 χ^2 /NDF: 37.7/31

Left Out: -1157.974 $\pm$ 757.732 χ^2 /NDF:31.9/24

Right Out: -520.168 $\pm$ 734.141 χ^2 /NDF: 60.3/36

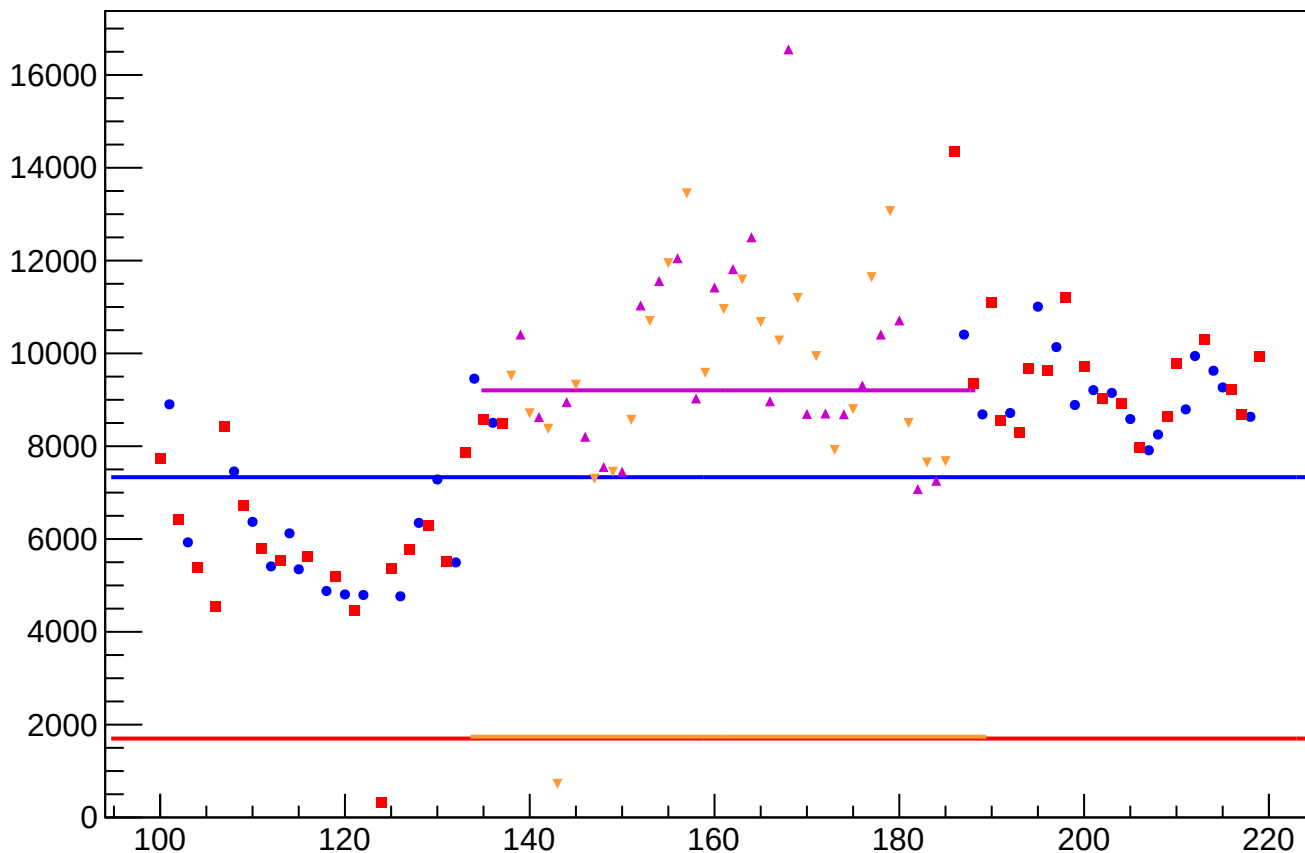
Left In: 209.500 $\pm$ 2195.055 χ^2 /NDF:13.4/22

+ sign -929.363 $\pm$ 691.340 χ^2 /NDF: 70.2/56

All: -689.763 $\pm$ 490.572 χ^2 /NDF: 144.2/116

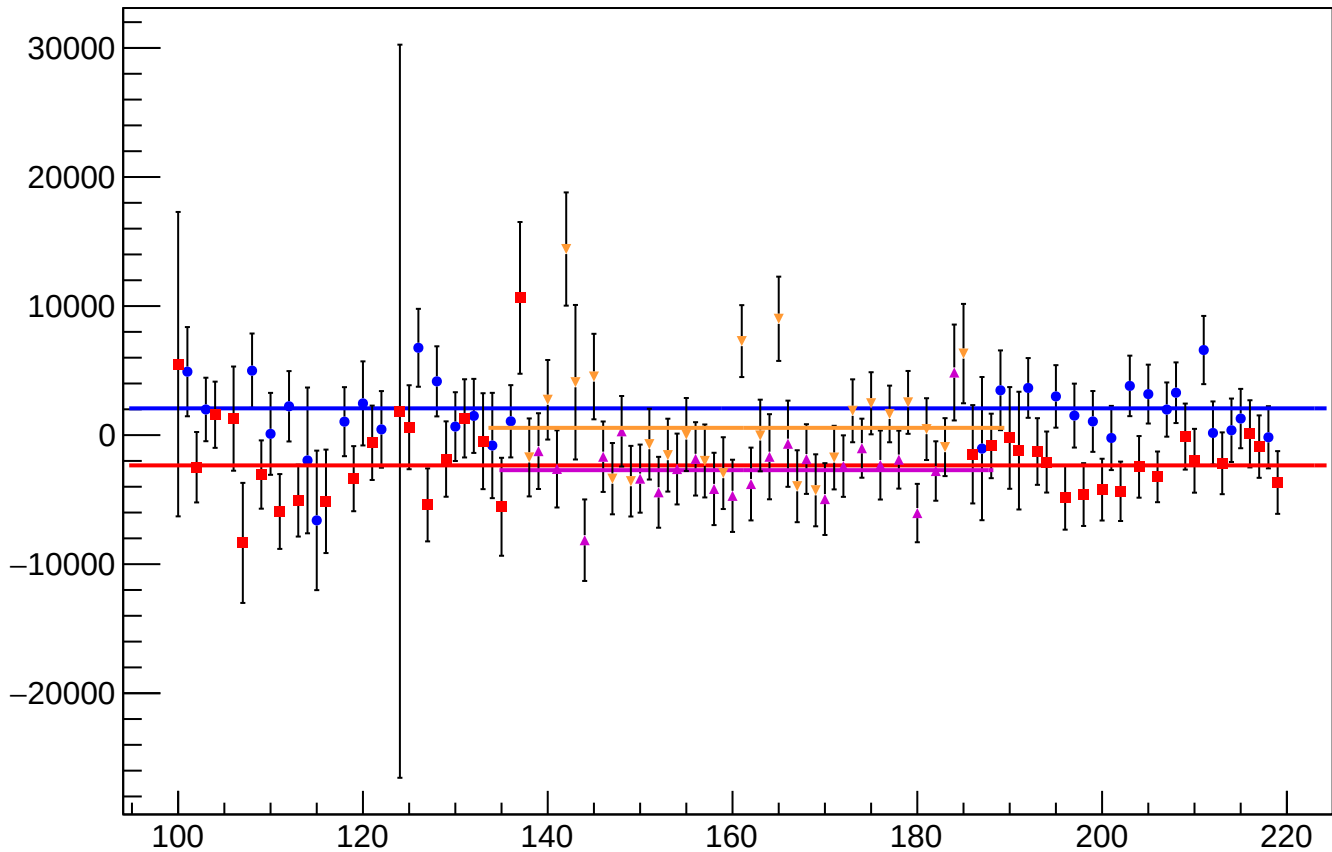
- sign -446.759 $\pm$ 696.233 χ^2 /NDF: 73.8/59

asym_atl2_cor_correction_rms vs Slug



Right In: 7332.597+/-1.194	χ^2/NDF : 2486897.8/31	+ sign 2676.653+/-0.489	χ^2/NDF : 48481291.6/56
Left Out: 1739.457+/-0.536	χ^2/NDF : 27735092.1/24	All: 2566.856+/-0.347	χ^2/NDF : 102761076.7
Right Out: 1700.654+/-0.519	χ^2/NDF : 31889133.3/36	- sign 2455.500+/-0.492	χ^2/NDF : 54178177.1/59
Left In: 9203.744+/-1.552	χ^2/NDF : 1272079.0/22		

eigen_cor_asym_atl2_mean vs Slug



Right In: 2074.450+/-480.563 χ^2/NDF : 17.9/31

Left Out: 562.392+/-557.316 χ^2/NDF : 43.9/24

Right Out: -2345.780+/-470.121 χ^2/NDF : 24.9/36

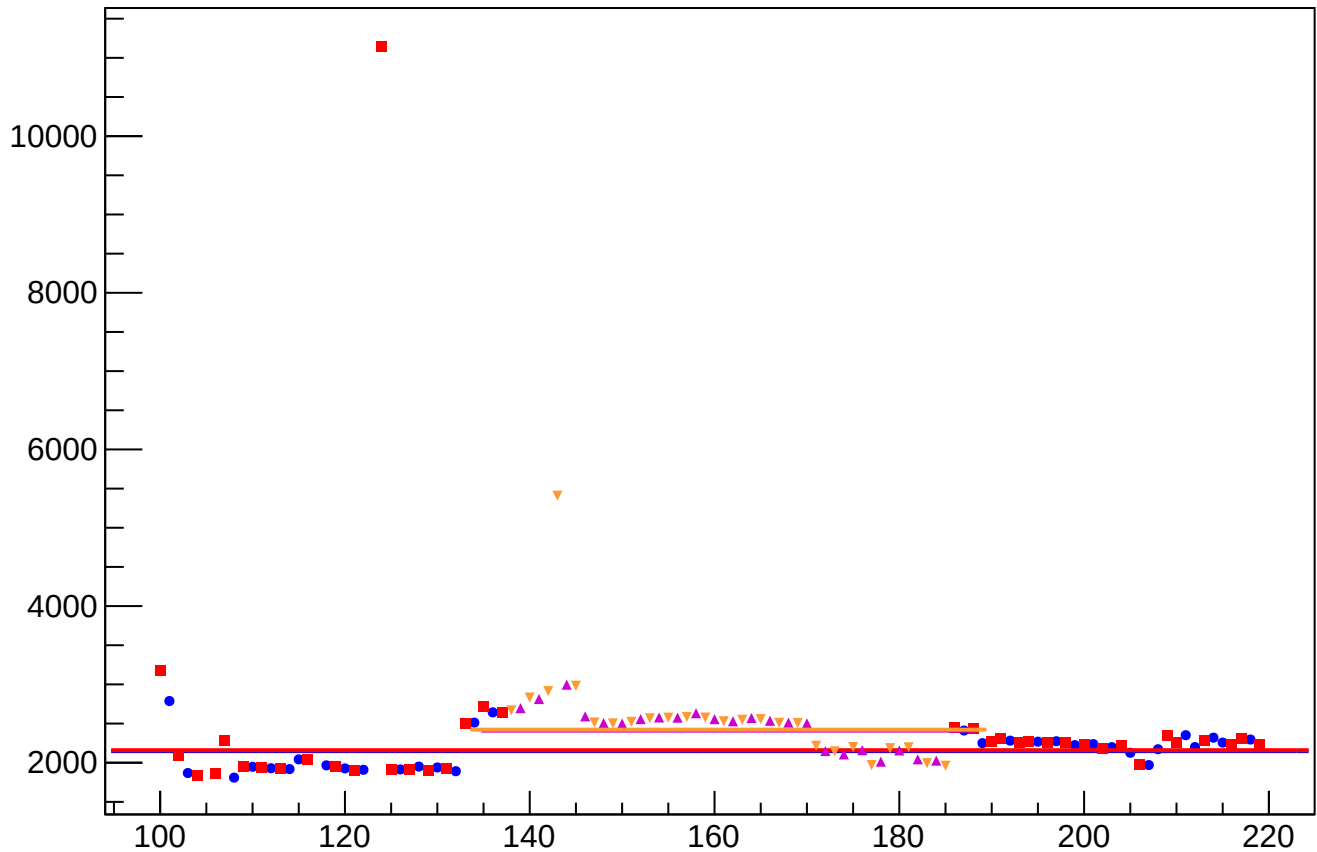
Left In: -2716.163+/-566.202 χ^2/NDF : 14.3/22

+ sign 1429.633+/-363.945 χ^2/NDF : 66.0/56

All: -545.823+/-256.549 χ^2/NDF : 164.0/116

- sign -2496.925+/-361.695 χ^2/NDF : 39.4/59

eigen_cor_asym_atl2_rms vs Slug



Right In: 2148.082 $\pm$ 0.340 χ^2 /NDF: 385758.0/31

Left Out: 2422.152 $\pm$ 0.394 χ^2 /NDF: 952857.9/24

Right Out: 2159.922 $\pm$ 0.332 χ^2 /NDF: 563540.8/36

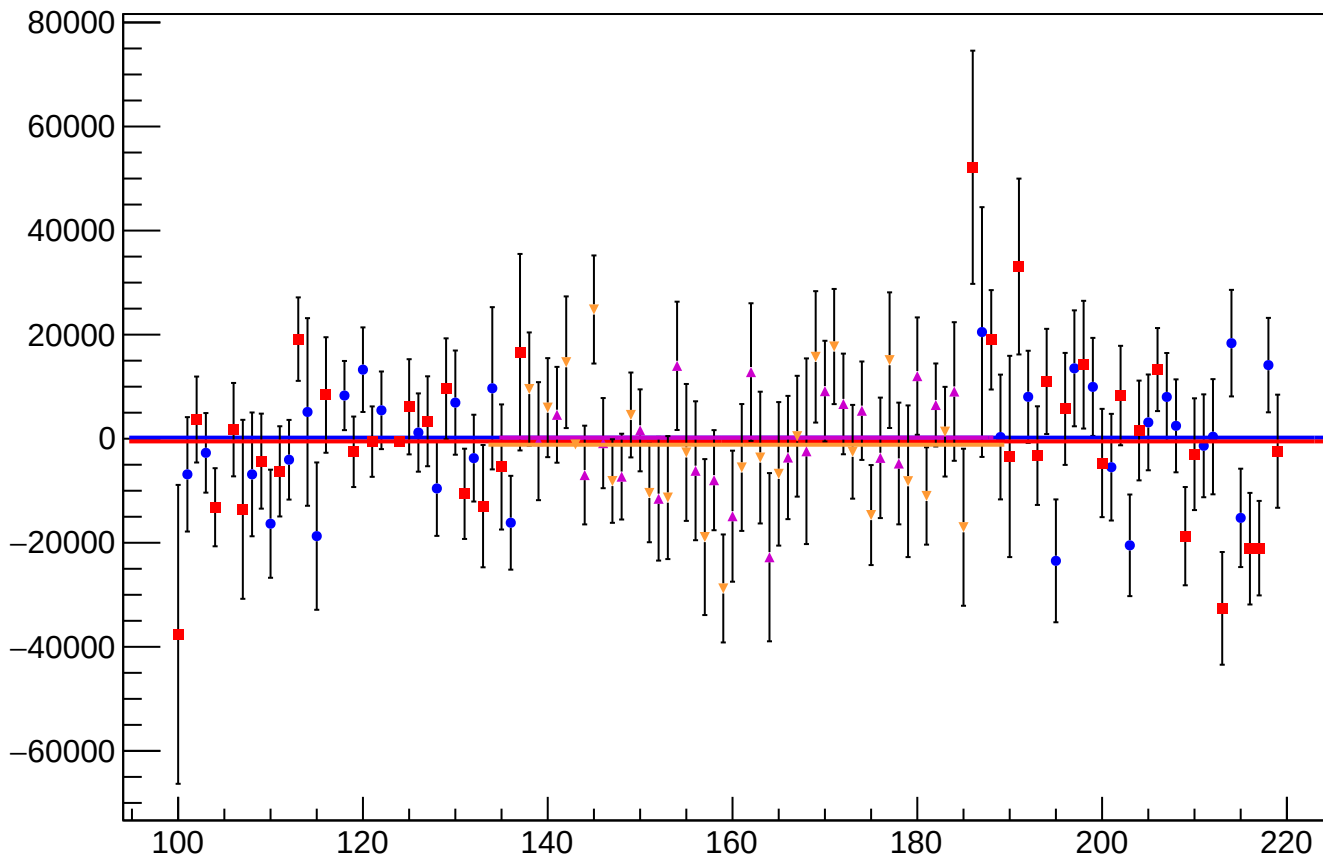
Left In: 2409.820 $\pm$ 0.400 χ^2 /NDF: 428364.2/22

+ sign 2264.959 $\pm$ 0.257 χ^2 /NDF: 1616024.2/56

All: 2263.420 $\pm$ 0.181 χ^2 /NDF: 2838610.8/11

- sign 2261.899 $\pm$ 0.256 χ^2 /NDF: 1222515.4/59

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: 206.366 $\pm$ 1688.903 χ^2 /NDF: 37.7/31

Left Out: -1157.974 $\pm$ 757.732 χ^2 /NDF:31.9/24

Right Out: -520.168 $\pm$ 734.141 χ^2 /NDF: 60.3/36

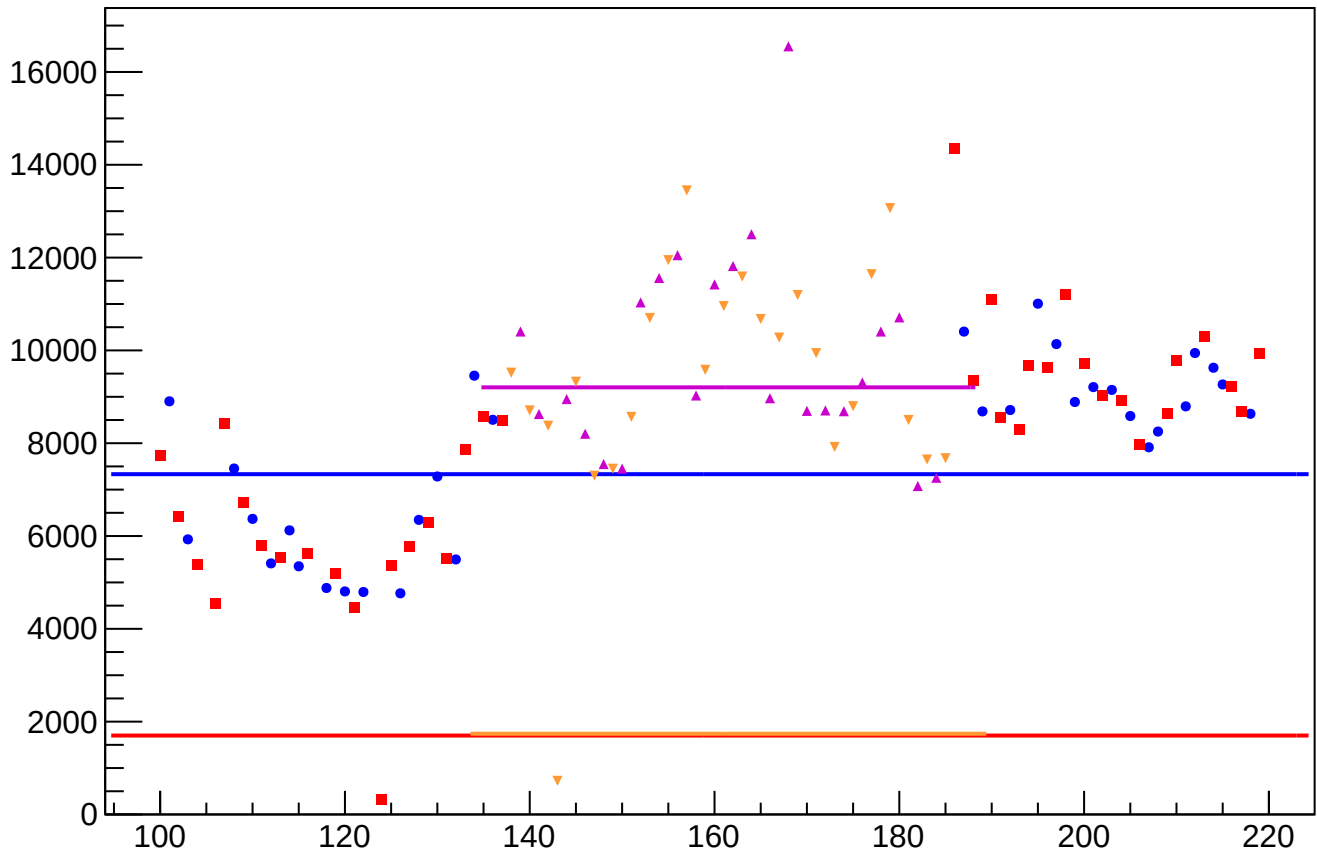
Left In: 209.500 $\pm$ 2195.055 χ^2 /NDF:13.4/22

+ sign -929.363 $\pm$ 691.340 χ^2 /NDF: 70.2/56

All: -689.763 $\pm$ 490.572 χ^2 /NDF: 144.2/116

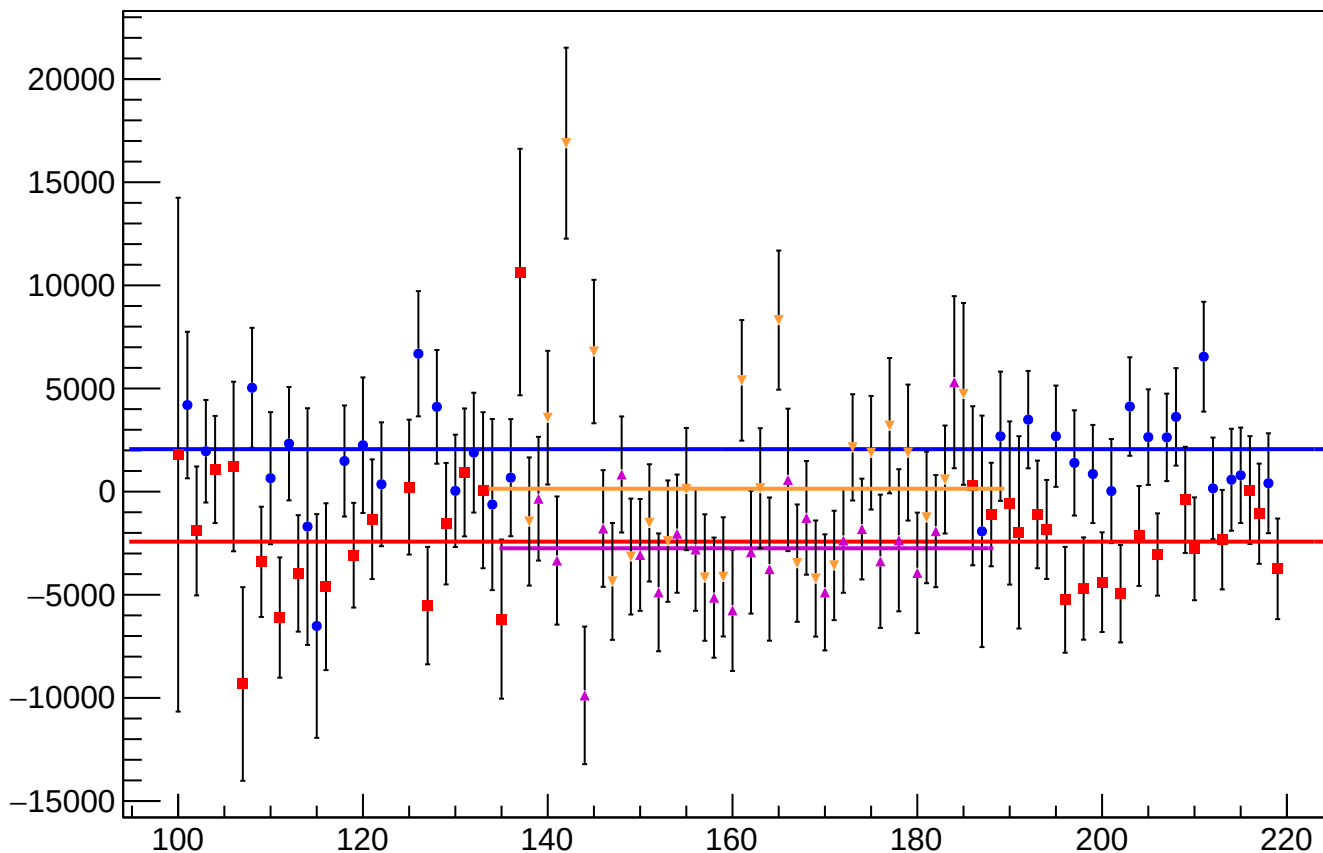
- sign -446.759 $\pm$ 696.233 χ^2 /NDF: 73.8/59

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 7332.597 $\pm$ 1.194	χ^2 /NDF: 2486897.8/31	+ sign 2676.653 $\pm$ 0.489	χ^2 /NDF: 48481291.6/56
Left Out: 1739.457 $\pm$ 0.536	χ^2 /NDF: 27735092.1/24	All: 2566.856 $\pm$ 0.347	χ^2 /NDF: 102761076.7
Right Out: 1700.654 $\pm$ 0.519	χ^2 /NDF: 31889133.3/36	- sign 2455.500 $\pm$ 0.492	χ^2 /NDF: 54178177.1/59
Left In: 9203.744 $\pm$ 1.552	χ^2 /NDF: 1272079.0/22		

dit_asym_atl2_mean vs Slug



Right In: 2059.366 ± 486.328 χ^2/NDF : 16.8/31

Left Out: 142.497 ± 615.731 χ^2/NDF : 45.8/23

Right Out: -2423.241 ± 477.197 χ^2/NDF : 24.1/35

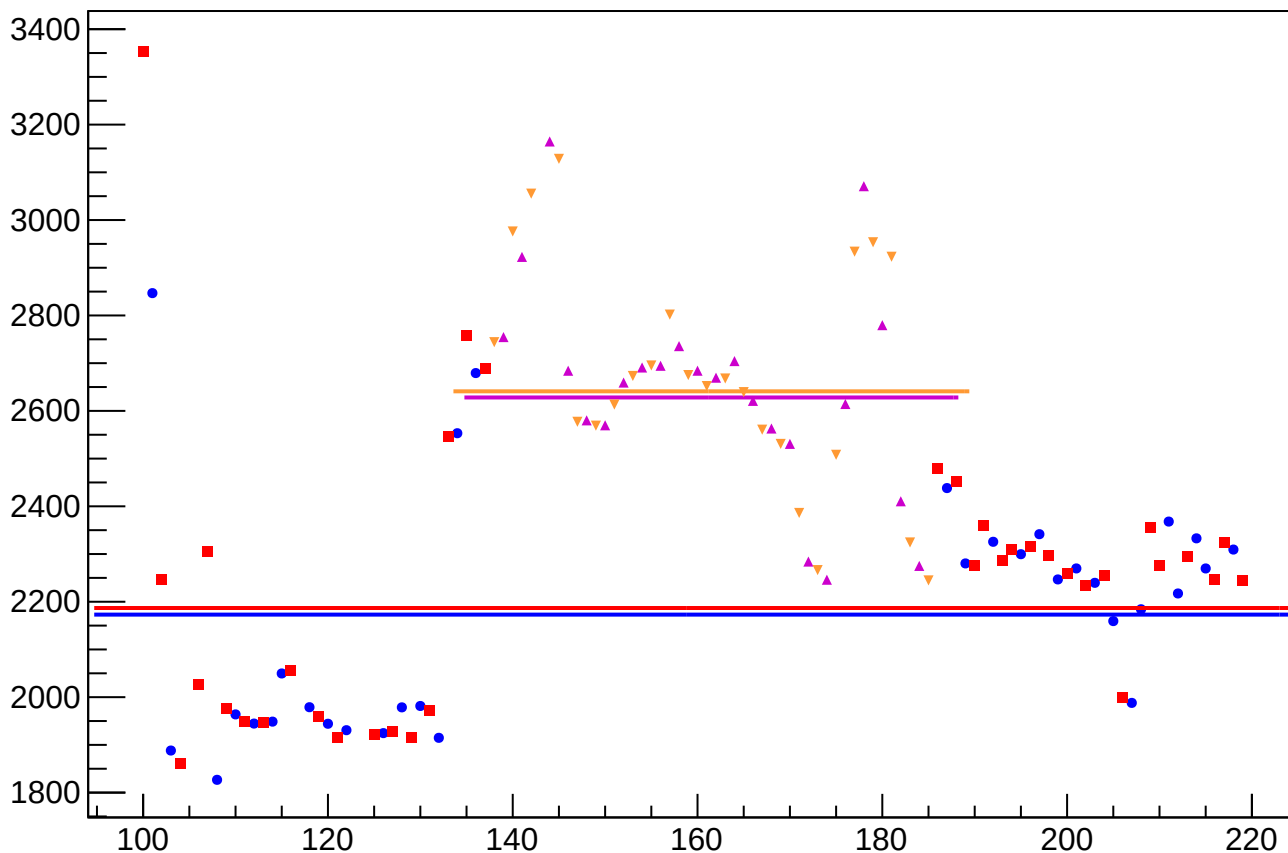
Left In: -2745.982 ± 616.123 χ^2/NDF : 15.4/22

+ sign 1322.948 ± 381.643 χ^2/NDF : 68.6/55

All: -632.924 ± 268.303 χ^2/NDF : 160.3/114

- sign -2544.253 ± 377.272 χ^2/NDF : 39.7/58

dit_asym_atl2_rms vs Slug



Right In: 2173.023+/-0.344 χ^2/NDF : 396197.4/31

Left Out: 2640.990+/-0.435 χ^2/NDF : 253402.6/23

Right Out: 2186.873+/-0.337 χ^2/NDF : 362794.6/35

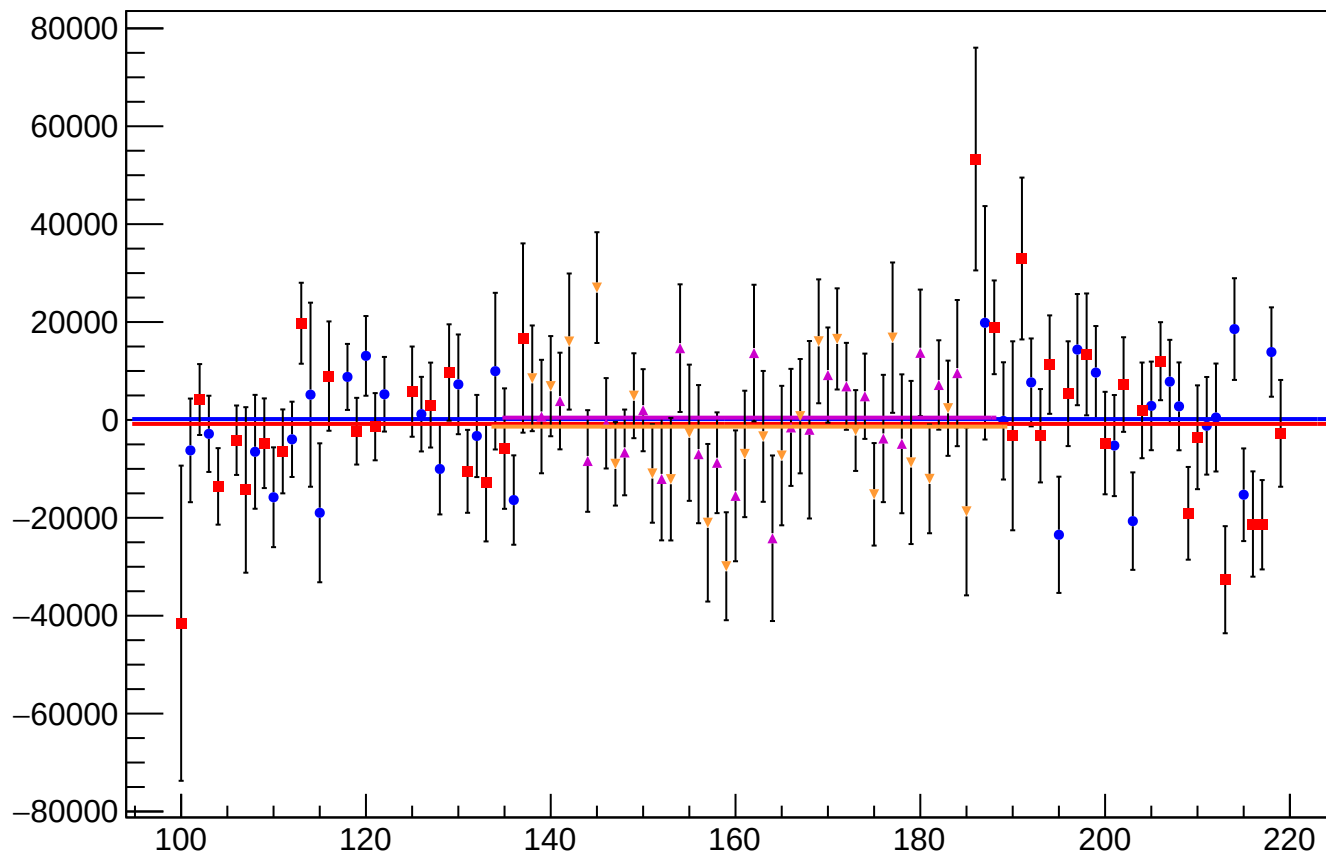
Left In: 2628.113+/-0.436 χ^2/NDF : 237507.6/22

+ sign 2352.806+/-0.270 χ^2/NDF : 1361032.4/55

All: 2352.498+/-0.190 χ^2/NDF : 2602766.4/11

- sign 2352.196+/-0.267 χ^2/NDF : 1241731.4/58

asym_atl2_dit_correction_mean vs Slug



Right In: 175.987 ± 1701.526 $\chi^2/\text{NDF}: 37.2/31$

Left Out: -1366.840 ± 2326.289 $\chi^2/\text{NDF}: 31.3/23$

Right Out: -814.039 ± 1633.329 $\chi^2/\text{NDF}: 60.1/35$

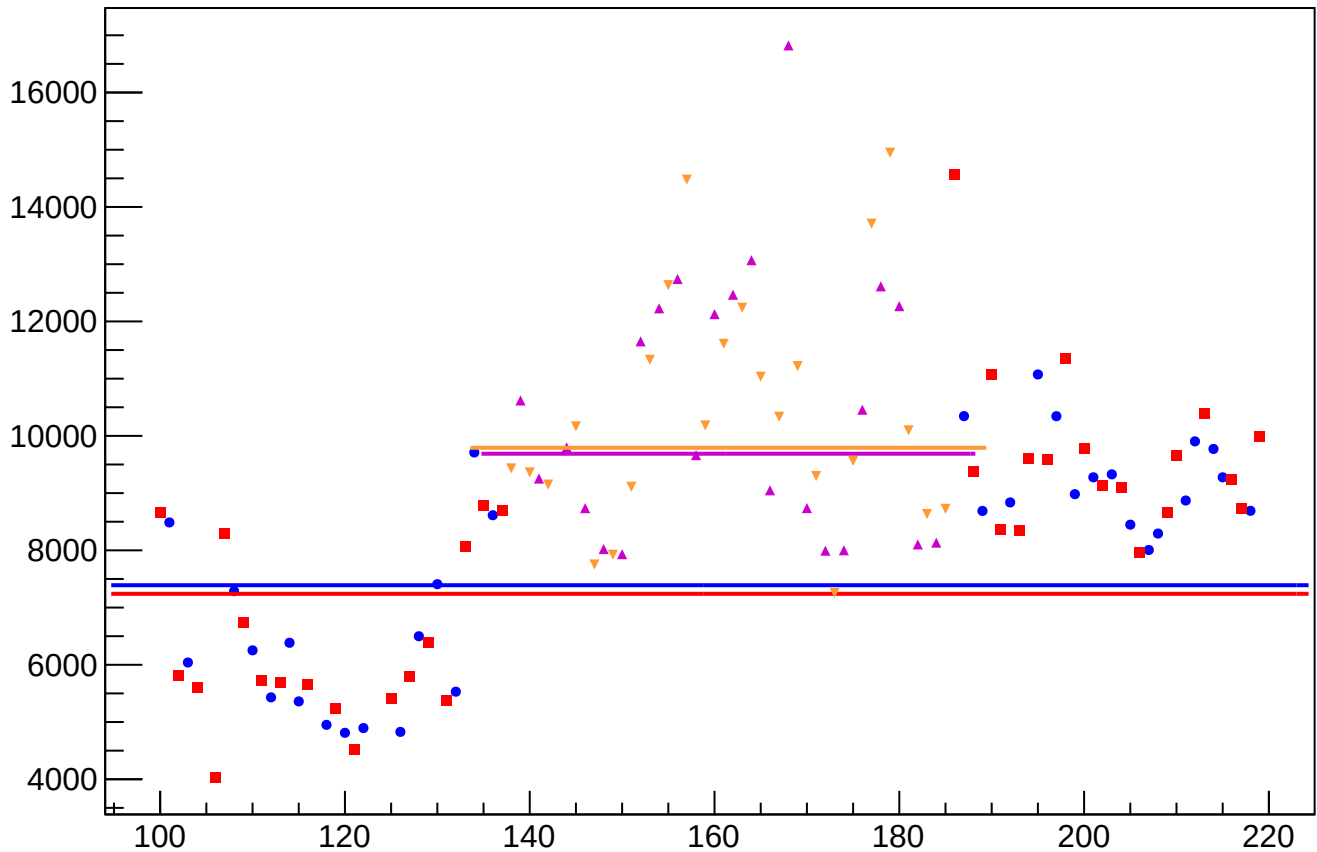
Left In: 463.775 ± 2314.478 $\chi^2/\text{NDF}: 13.1/22$

+ sign -361.738 ± 1373.362 $\chi^2/\text{NDF}: 68.7/55$

All: -375.879 ± 957.075 $\chi^2/\text{NDF}: 142.1/114$

- sign -389.231 ± 1334.491 $\chi^2/\text{NDF}: 73.4/58$

asym_atl2_dit_correction_rms vs Slug



Right In: 7390.751 $\pm$ 1.203 χ^2 /NDF: 2443425.8/31

Left Out: 9792.234 $\pm$ 1.645 χ^2 /NDF: 1219062.5/23

Right Out: 7240.136 $\pm$ 1.155 χ^2 /NDF: 3243484.9/35

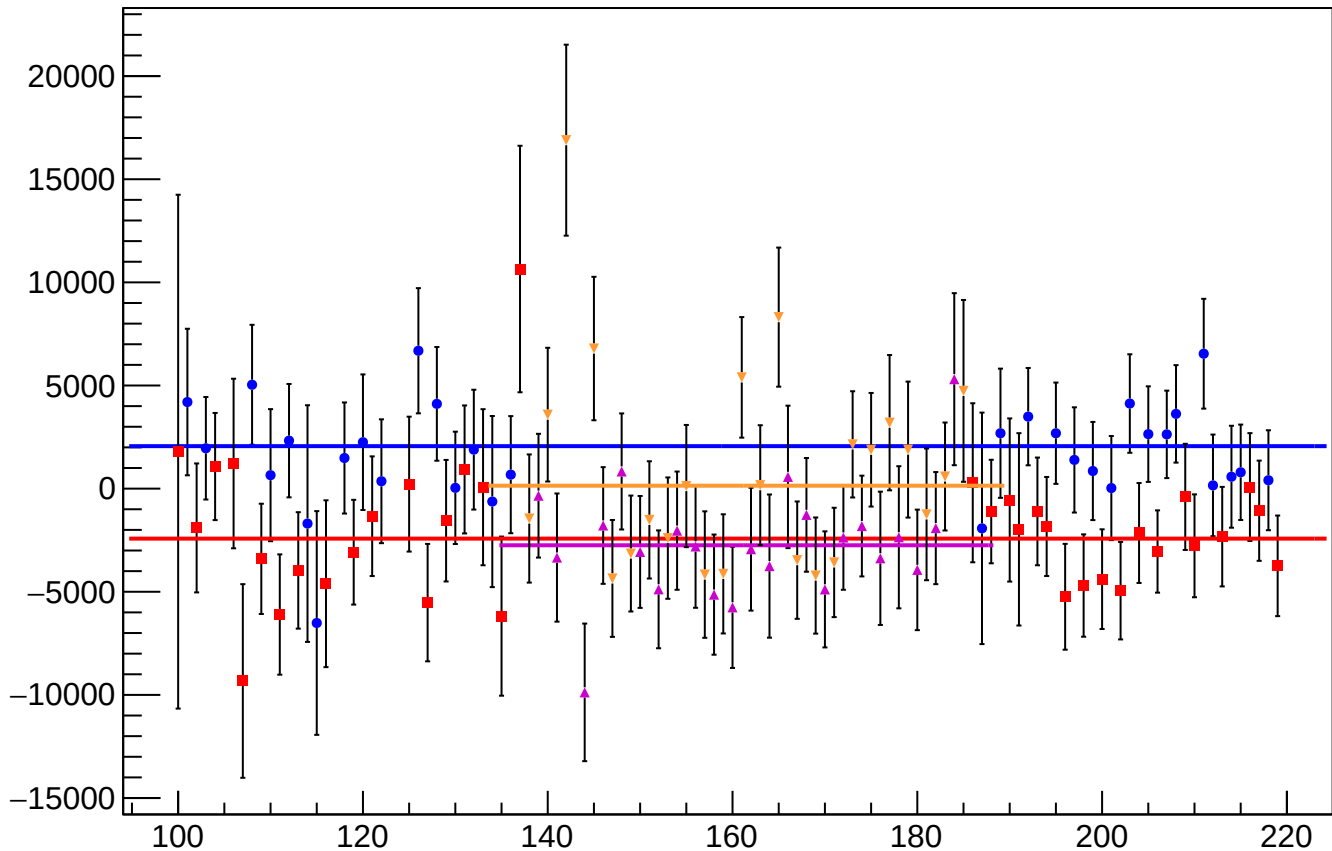
Left In: 9688.179 $\pm$ 1.637 χ^2 /NDF: 1378173.6/22

+ sign 8227.745 $\pm$ 0.971 χ^2 /NDF: 5051015.9/55

All: 8138.372 $\pm$ 0.677 χ^2 /NDF: 11182782.4/1

- sign 8053.986 $\pm$ 0.944 χ^2 /NDF: 6115299.5/58

eigen_dit_asym_atl2_mean vs Slug



Right In: 2059.370 ± 486.328 χ^2/NDF : 16.8/31

Left Out: 142.487 ± 615.732 χ^2/NDF : 45.8/23

Right Out: -2423.236 ± 477.197 χ^2/NDF : 24.1/35

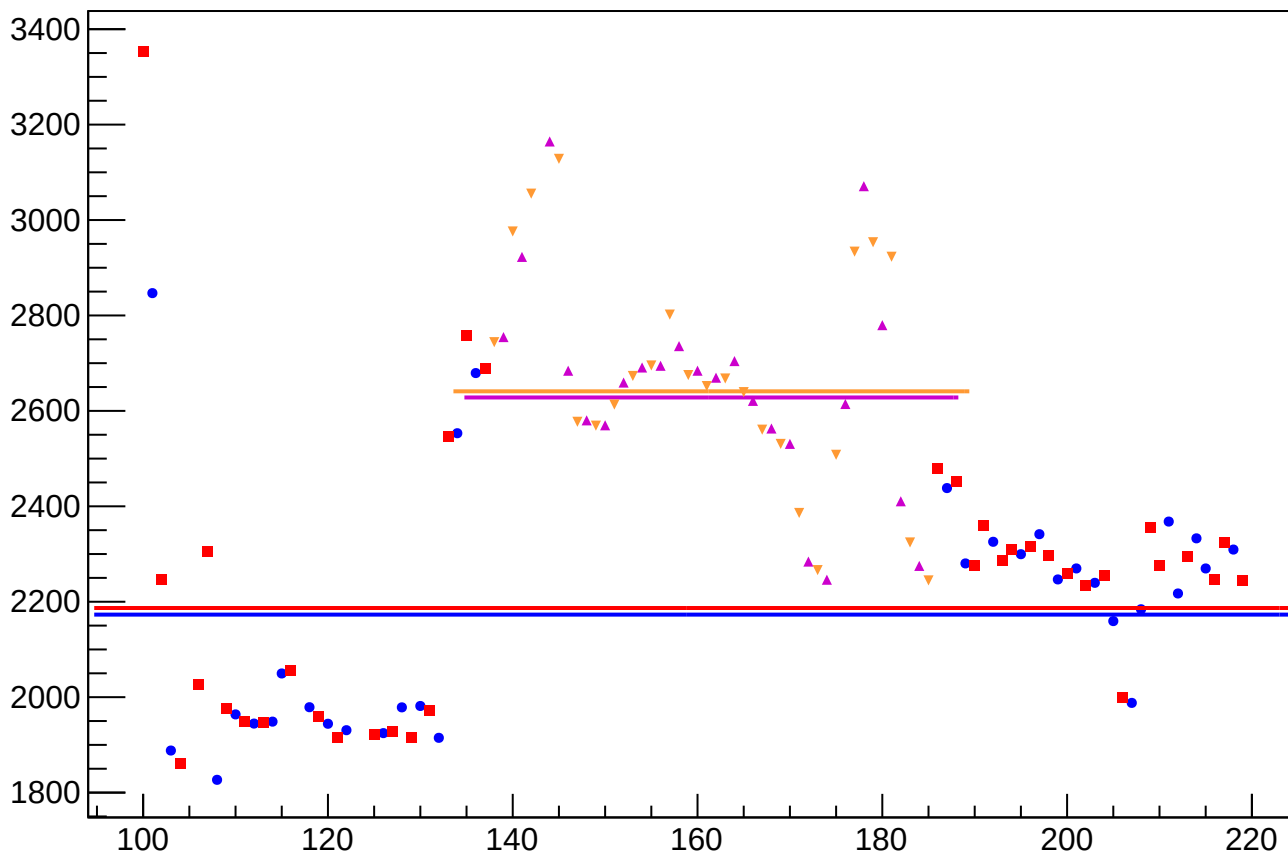
Left In: -2745.980 ± 616.124 χ^2/NDF : 15.4/22

+ sign 1322.947 ± 381.643 χ^2/NDF : 68.6/55

All: -632.922 ± 268.304 χ^2/NDF : 160.3/114

- sign -2544.249 ± 377.272 χ^2/NDF : 39.7/58

eigen_dit_asym_atl2_rms vs Slug



Right In: 2173.024+/-0.344 χ^2/NDF : 396197.4/31

Left Out: 2640.993+/-0.435 χ^2/NDF : 253411.8/23

Right Out: 2186.873+/-0.337 χ^2/NDF : 362795.2/35

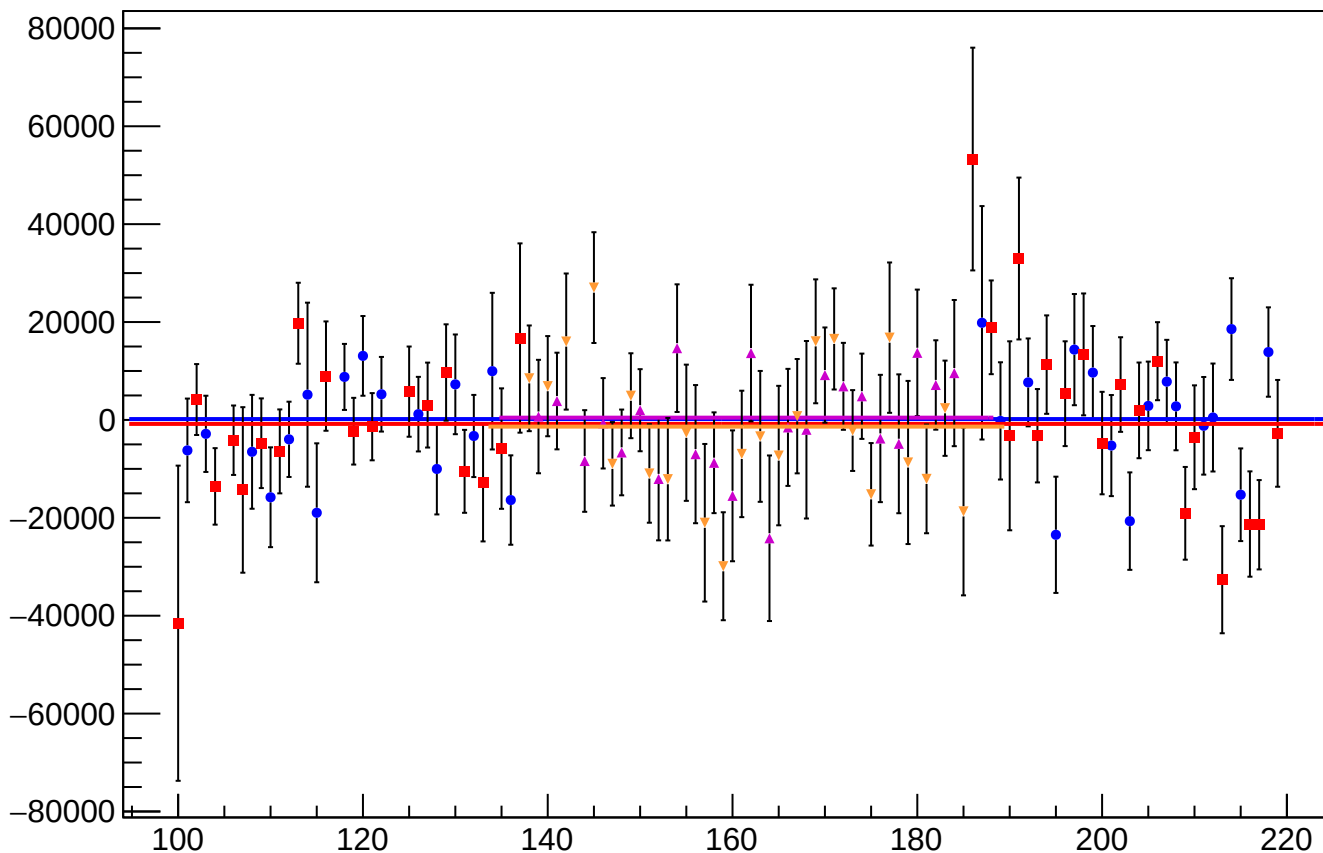
Left In: 2628.116+/-0.436 χ^2/NDF : 237516.8/22

+ sign 2352.807+/-0.270 χ^2/NDF : 1361047.2/55

All: 2352.498+/-0.190 χ^2/NDF : 2602796.8/11

- sign 2352.197+/-0.267 χ^2/NDF : 1241747.0/58

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: 175.991 ± 1701.525 $\chi^2/\text{NDF}: 37.2/31$

Left Out: -1366.849 ± 2326.293 $\chi^2/\text{NDF}: 31.3/23$

Right Out: -814.044 ± 1633.327 $\chi^2/\text{NDF}: 60.1/35$

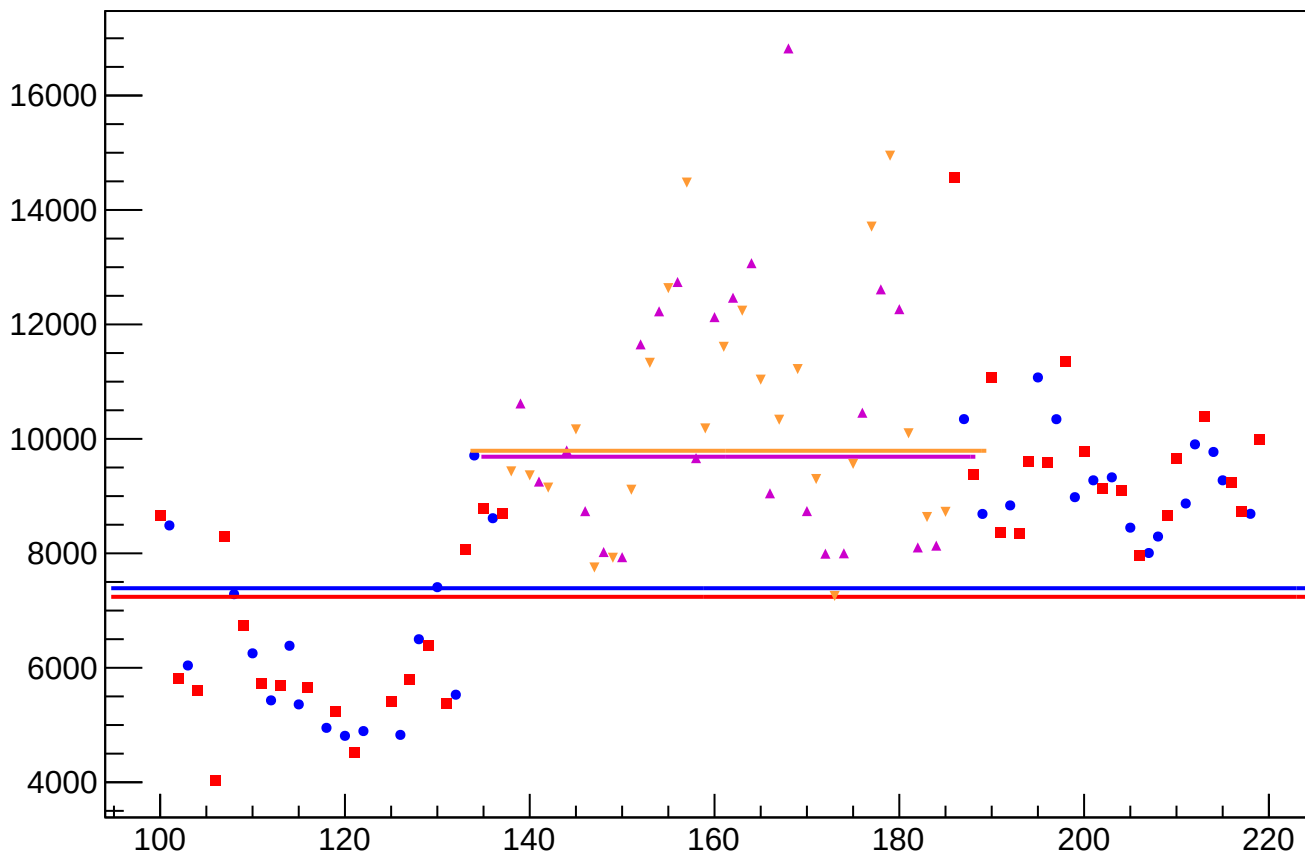
Left In: 463.777 ± 2314.482 $\chi^2/\text{NDF}: 13.1/22$

+ sign -361.737 ± 1373.363 $\chi^2/\text{NDF}: 68.7/55$

All: -375.881 ± 957.075 $\chi^2/\text{NDF}: 142.1/114$

- sign -389.235 ± 1334.491 $\chi^2/\text{NDF}: 73.4/58$

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 7390.742 $\pm$ 1.203 χ^2 /NDF: 2443477.0/31

Left Out: 9792.251 $\pm$ 1.645 χ^2 /NDF: 1219062.8/23

Right Out: 7240.125 $\pm$ 1.155 χ^2 /NDF: 3243529.0/35

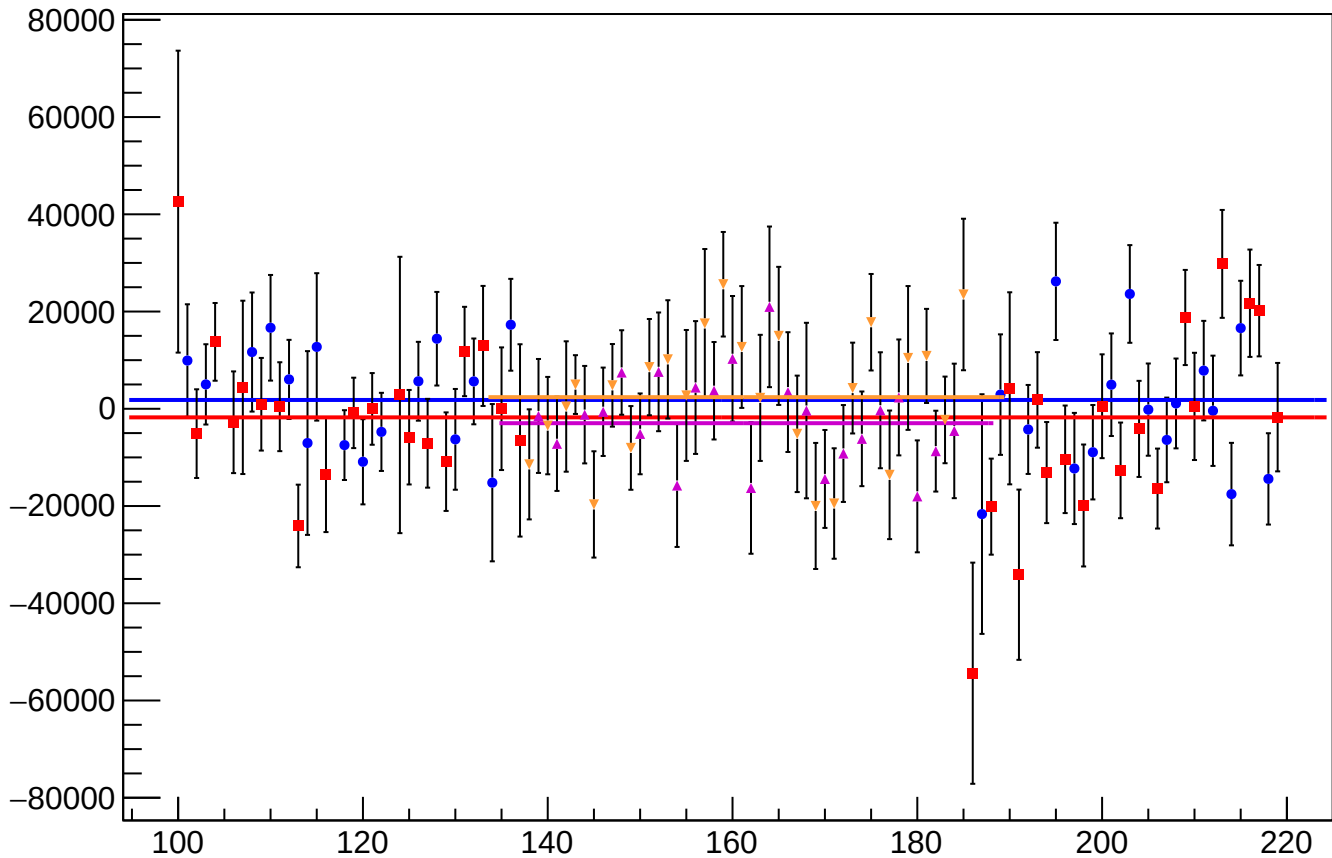
Left In: 9688.194 $\pm$ 1.637 χ^2 /NDF: 1378175.1/22

+ sign 8227.743 $\pm$ 0.971 χ^2 /NDF: 5051094.7/55

All: 8138.368 $\pm$ 0.677 χ^2 /NDF: 11182937.7/1

- sign 8053.981 $\pm$ 0.944 χ^2 /NDF: 6115375.5/58

asym_atl2_mean vs Slug



Right In: 1813.565 $\pm$ 1770.493 χ^2 /NDF: 38.1/31

Left Out: 2387.857 $\pm$ 2136.530 χ^2 /NDF:29.7/24

Right Out: -1766.241 $\pm$ 1730.560 χ^2 /NDF: 62.6/36

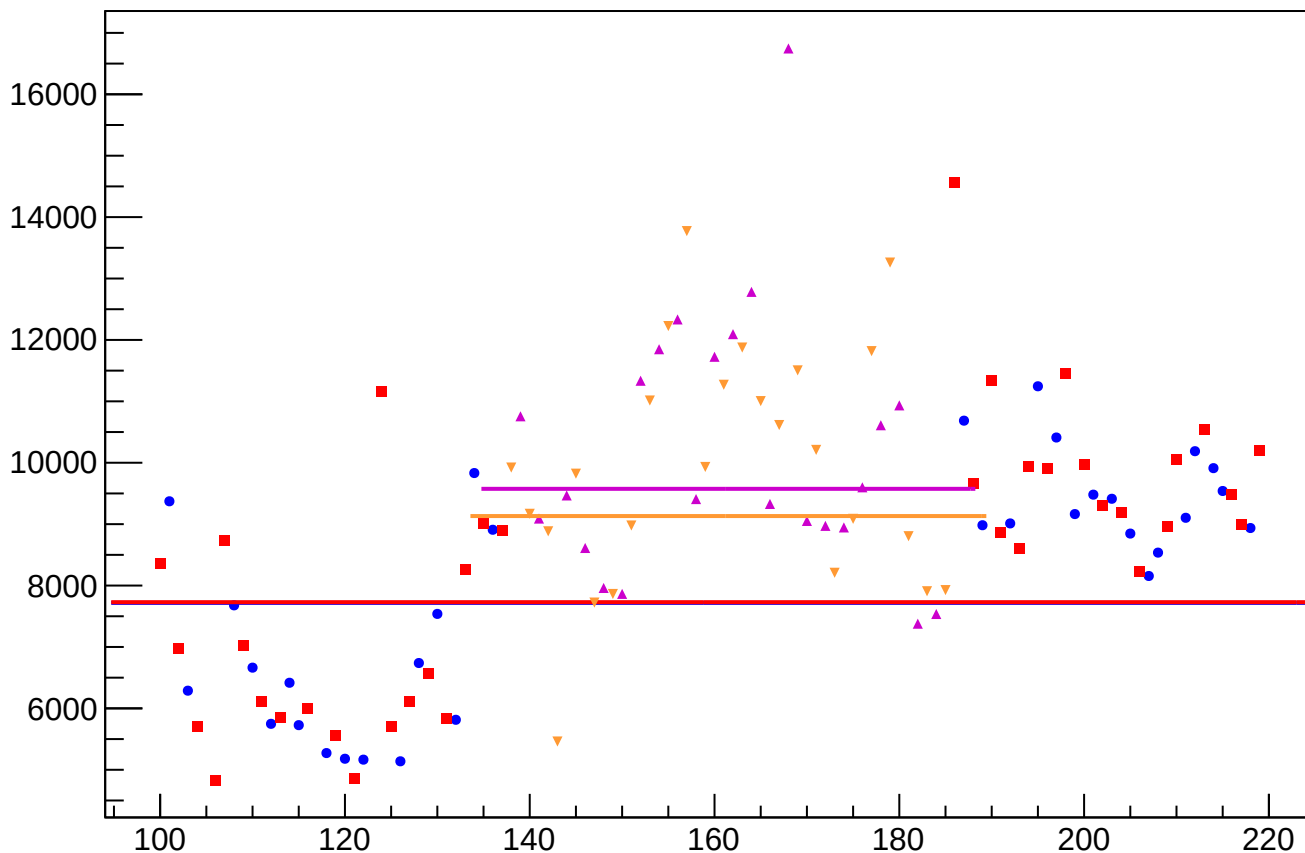
Left In: -2963.537 $\pm$ 2278.927 χ^2 /NDF:13.0/22

+ sign 2047.375 $\pm$ 1363.247 χ^2 /NDF: 67.9/56

All: -55.163 $\pm$ 969.212 χ^2 /NDF: 148.4/116

- sign -2204.145 $\pm$ 1378.222 χ^2 /NDF: 75.7/59

asym_atl2_rms vs Slug



Right In: 7718.080+/-1.252 χ^2/NDF : 2165789.5/31

Left Out: 9131.714+/-1.511 χ^2/NDF : 1811661.2/24

Right Out: 7729.124+/-1.224 χ^2/NDF : 2638559.5/36

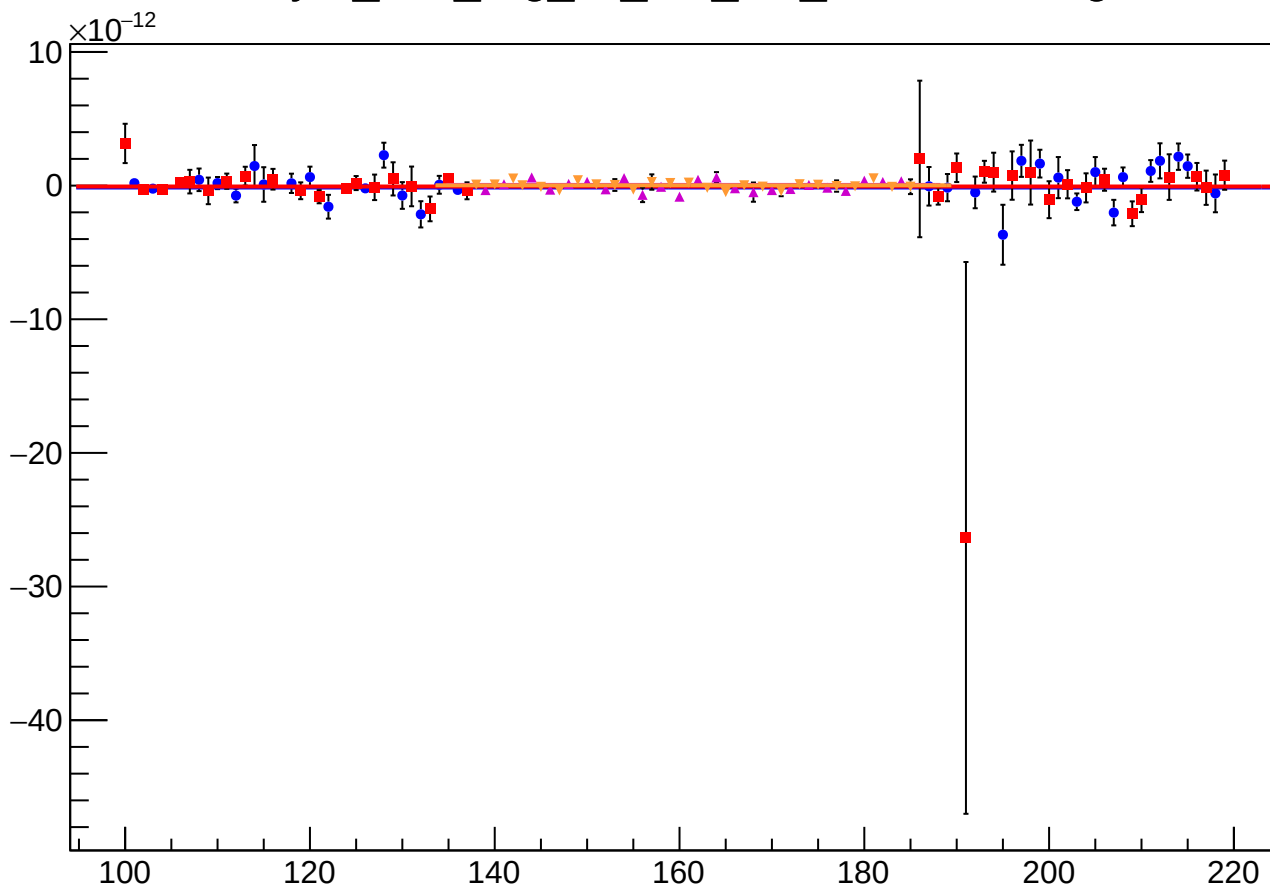
Left In: 9575.233+/-1.611 χ^2/NDF : 1153802.3/22

+ sign 8293.610+/-0.964 χ^2/NDF : 4496545.8/56

All: 8348.363+/-0.685 χ^2/NDF : 9127863.6/11

- sign 8404.326+/-0.975 χ^2/NDF : 4624794.1/59

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 52.5/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:17.9/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.6/36

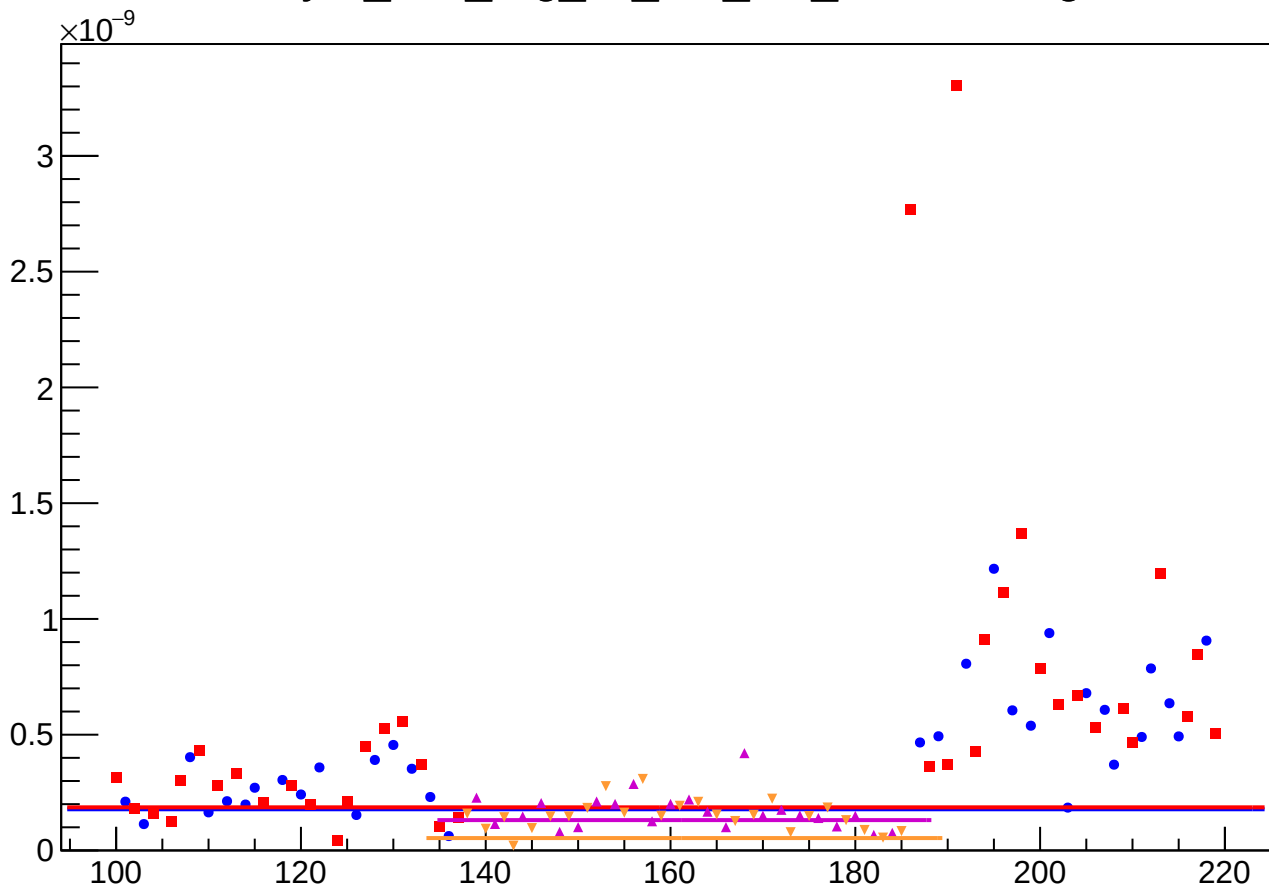
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:36.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 73.5/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 148.2/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 74.6/59

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7382075.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9010674.6/36

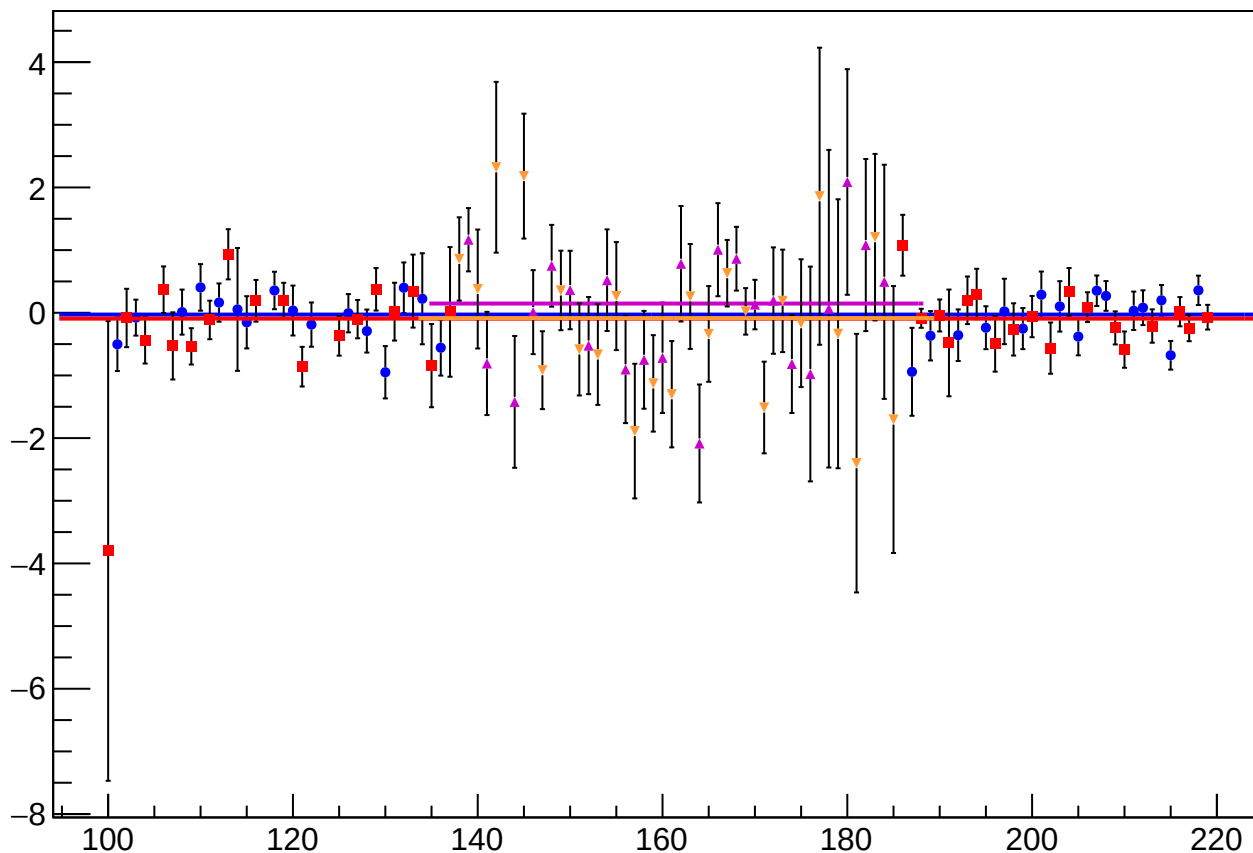
Left In: 0.000+/-0.000 χ^2/NDF : 1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 18133625.8/56

All: 0.000+/-0.000 χ^2/NDF : 33920737.3/116

- sign 0.000+/-0.000 χ^2/NDF : 11464395.3/59

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.029 ± 0.059 χ^2/NDF : 35.1/31

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.094 ± 0.053 χ^2/NDF : 41.2/35

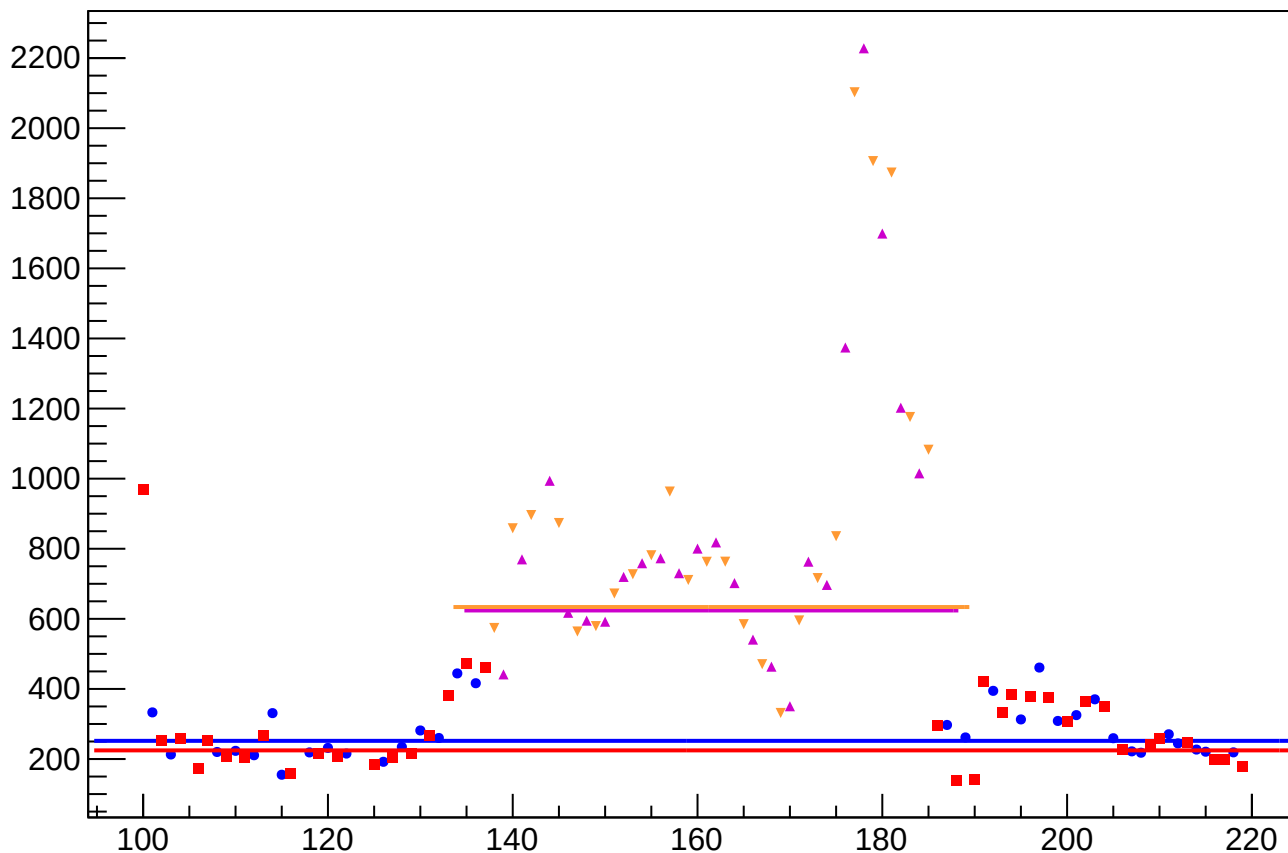
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.036 ± 0.055 χ^2/NDF : 65.5/55

All: -0.054 ± 0.037 χ^2/NDF : 135.4/114

- sign -0.069 ± 0.050 χ^2/NDF : 69.8/58

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 251.871 ± 0.042 $\chi^2/\text{NDF}: 1974533.9/31$

Left Out: 633.674 ± 0.114 $\chi^2/\text{NDF}: 4994105.8/23$

Right Out: 224.660 ± 0.037 $\chi^2/\text{NDF}: 3630947.9/35$

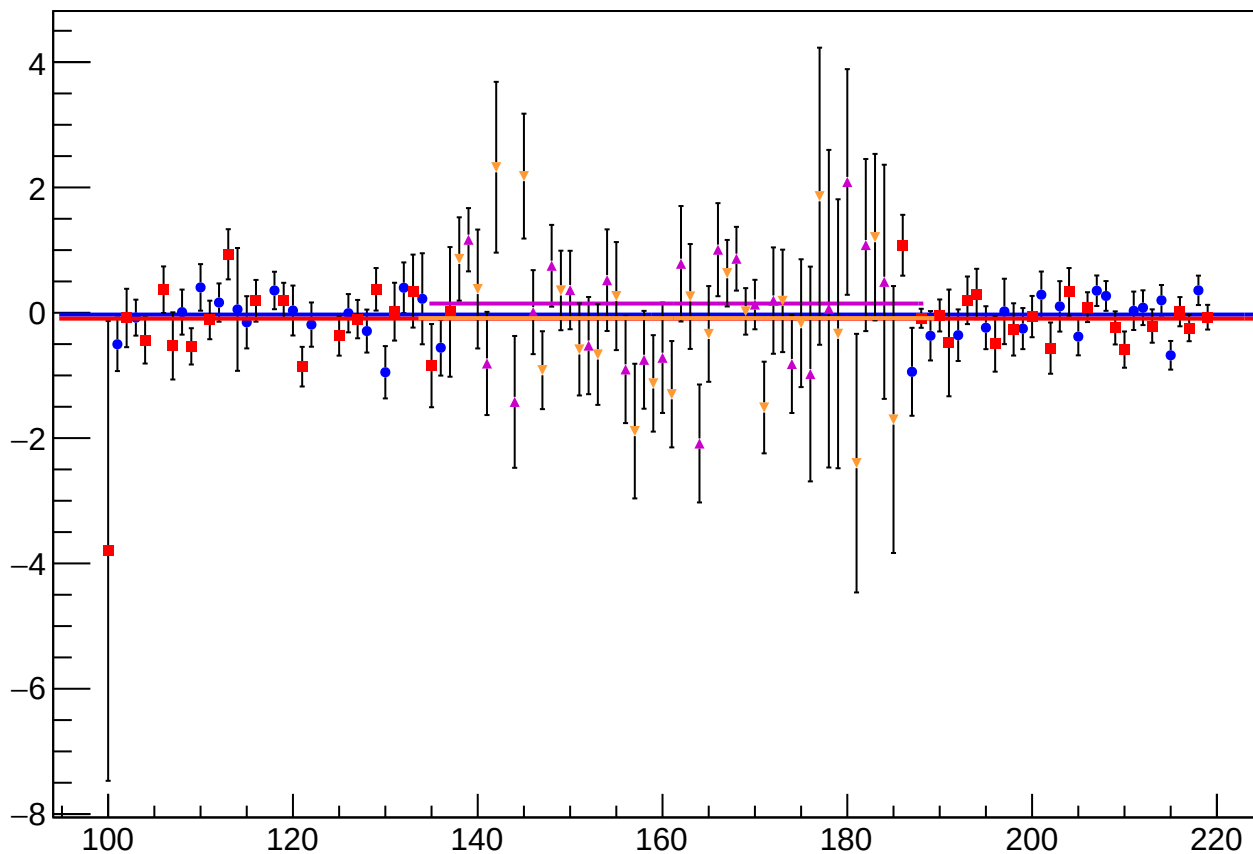
Left In: 623.916 ± 0.112 $\chi^2/\text{NDF}: 4541431.8/22$

+ sign 296.968 ± 0.039 $\chi^2/\text{NDF}: 16834703.7/55$

All: 279.197 ± 0.026 $\chi^2/\text{NDF}: 36838864.5/11$

- sign 264.704 ± 0.035 $\chi^2/\text{NDF}: 19631626.9/58$

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029 ± 0.059 χ^2/NDF : 35.1/31

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.094 ± 0.053 χ^2/NDF : 41.2/35

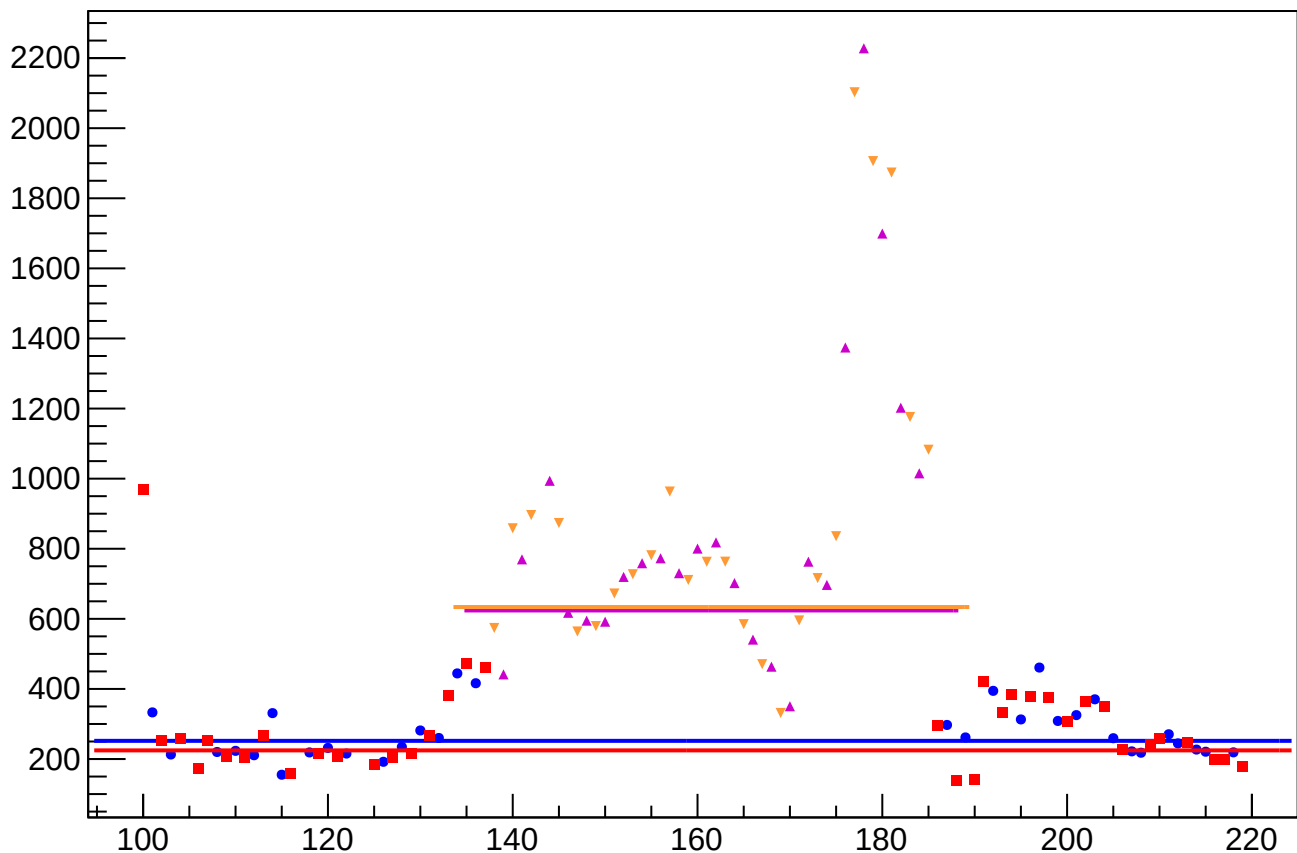
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.036 ± 0.055 χ^2/NDF : 65.5/55

All: -0.054 ± 0.037 χ^2/NDF : 135.4/114

- sign -0.069 ± 0.050 χ^2/NDF : 69.8/58

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 251.871+/-0.042 χ^2/NDF : 1974533.9/31

Left Out: 633.674+/-0.114 χ^2/NDF : 4994105.8/23

Right Out: 224.660+/-0.037 χ^2/NDF : 3630947.9/35

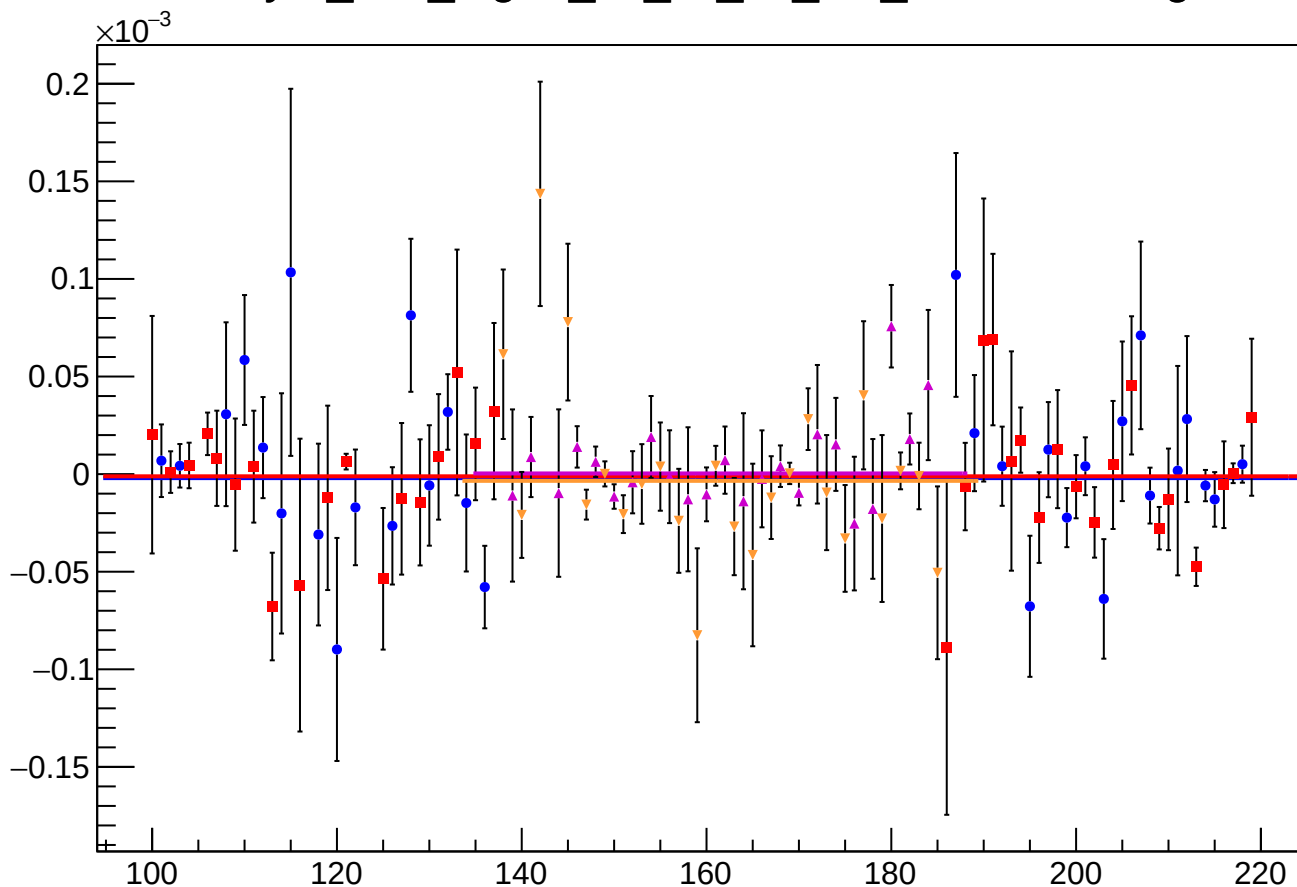
Left In: 623.916+/-0.112 χ^2/NDF : 4541431.8/22

+ sign 296.968+/-0.039 χ^2/NDF : 16834703.7/55

All: 279.197+/-0.026 χ^2/NDF : 36838864.5/11

- sign 264.704+/-0.035 χ^2/NDF : 19631626.9/58

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 42.7/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 34.3/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 58.2/35

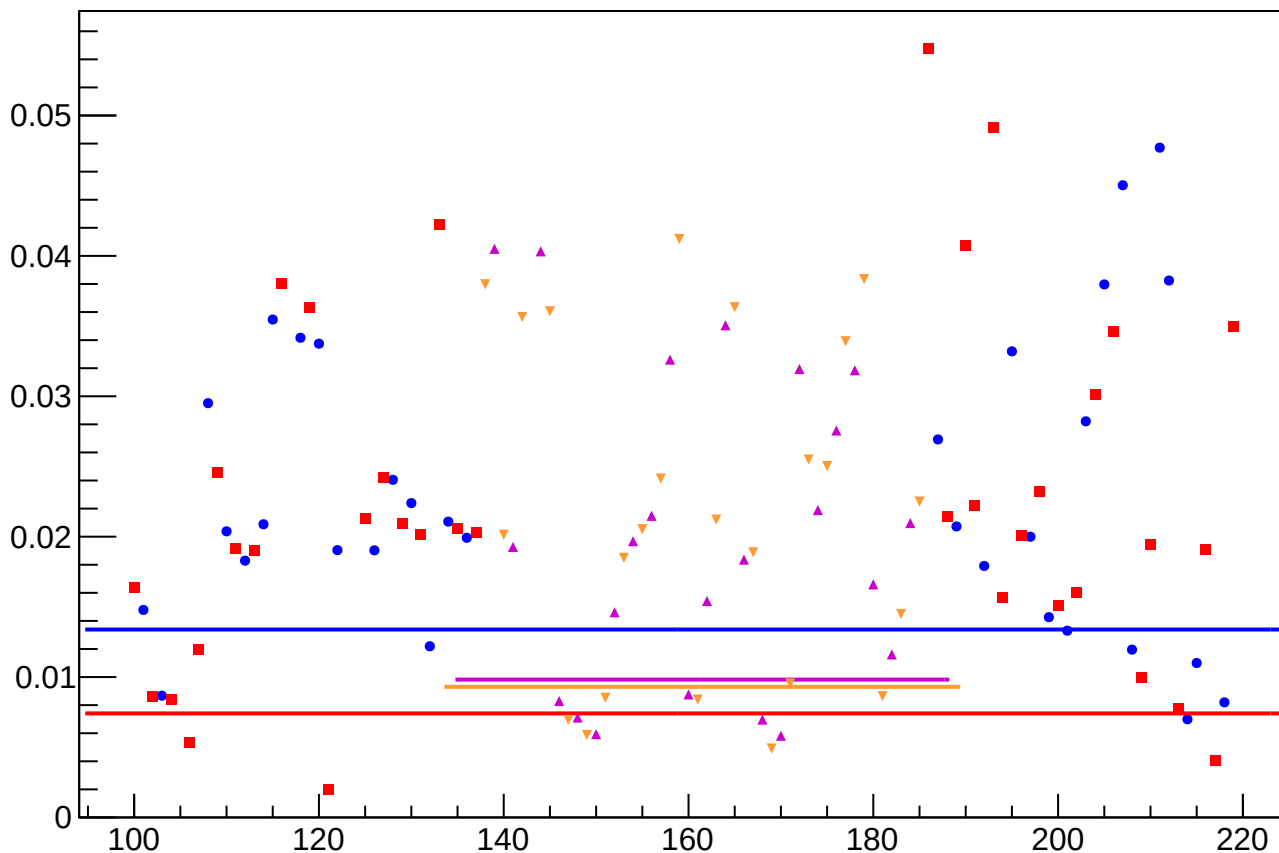
Left In: 0.000 ± 0.000 χ^2/NDF : 27.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 77.1/55

All: -0.000 ± 0.000 χ^2/NDF : 164.0/114

- sign -0.000 ± 0.000 χ^2/NDF : 86.2/58

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 8894634.2/31

Left Out: 0.009 ± 0.000 χ^2/NDF : 12224529.3/23

Right Out: 0.007 ± 0.000 χ^2/NDF : 19365830.7/35

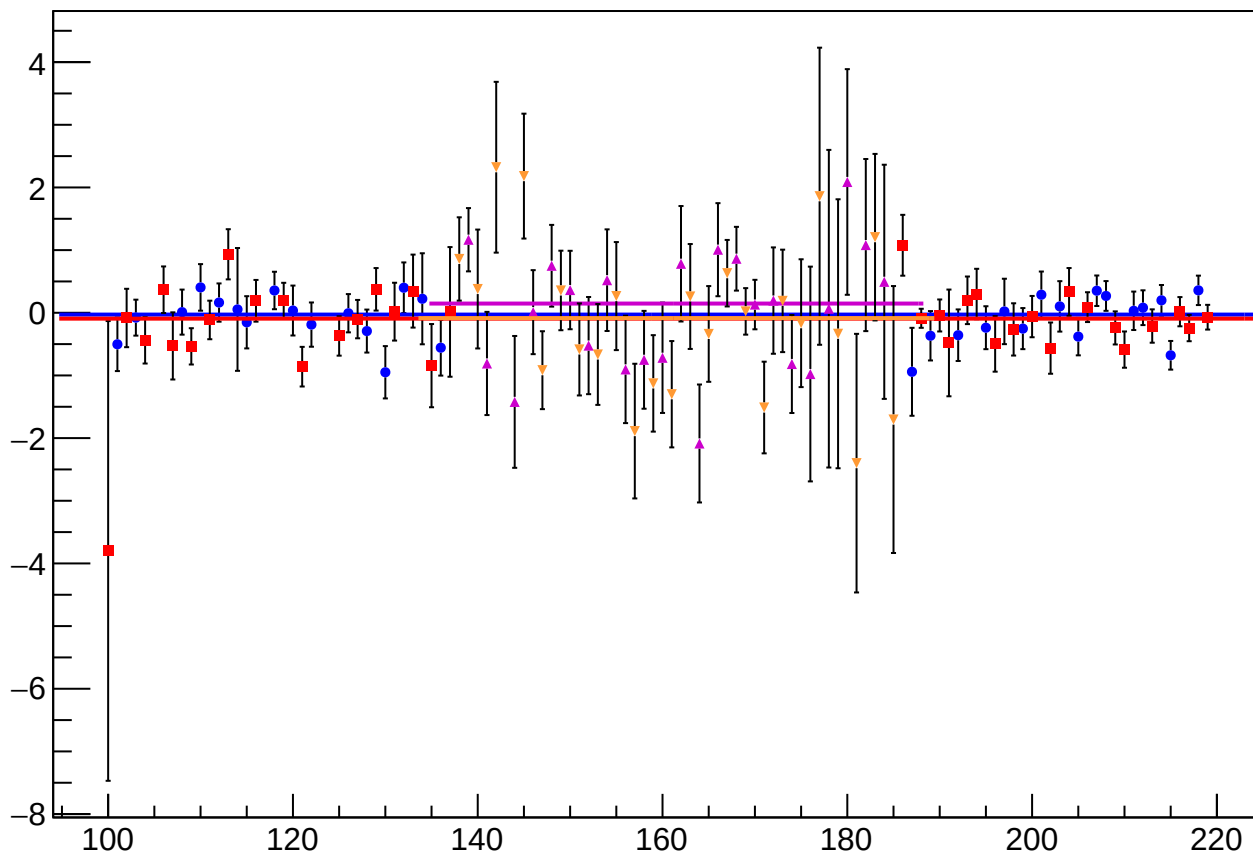
Left In: 0.010 ± 0.000 χ^2/NDF : 10307261.6/22

+ sign 0.011 ± 0.000 χ^2/NDF : 22772697.4/55

All: 0.009 ± 0.000 χ^2/NDF : 54771415.9/114

- sign 0.008 ± 0.000 χ^2/NDF : 30502140.1/58

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029 ± 0.059 χ^2/NDF : 35.1/31

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.094 ± 0.053 χ^2/NDF : 41.2/35

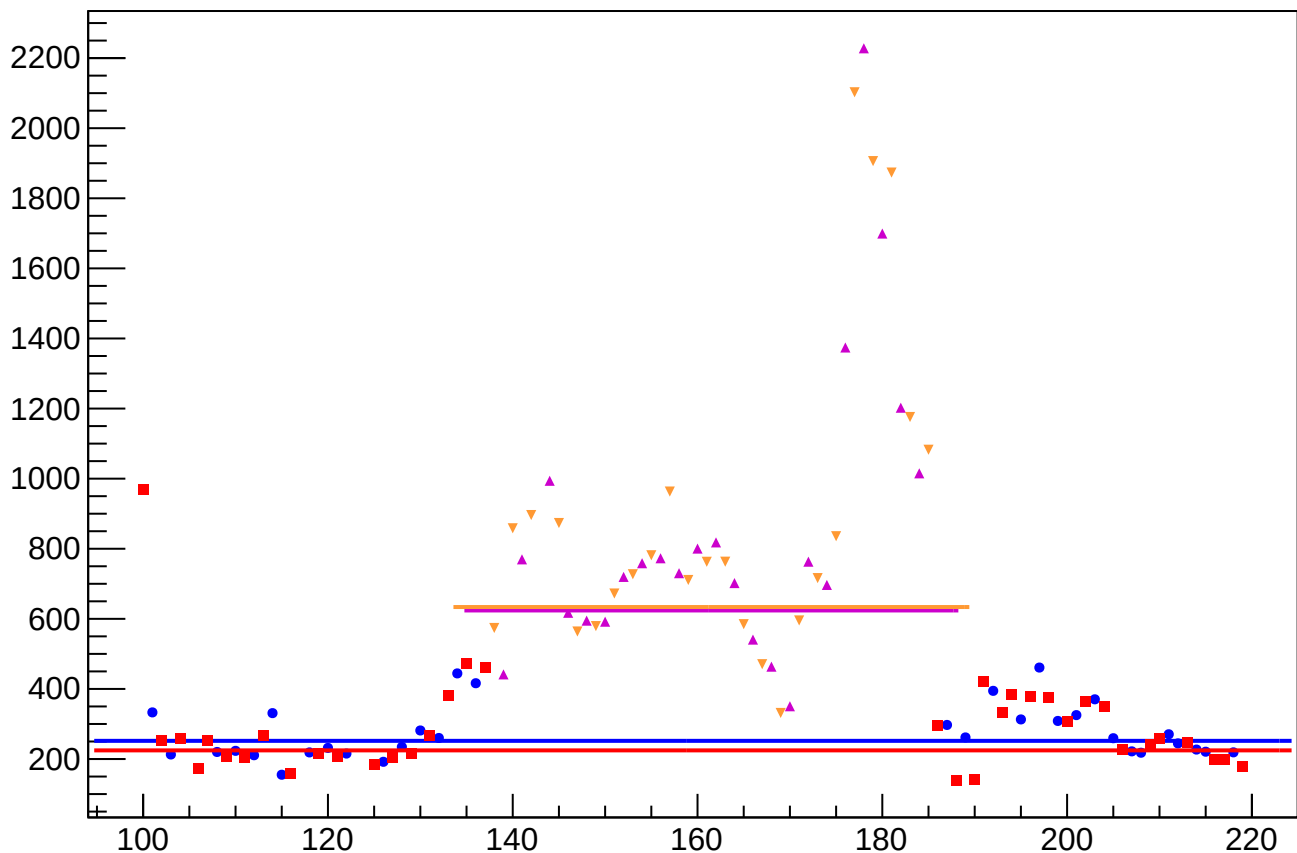
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.036 ± 0.055 χ^2/NDF : 65.5/55

All: -0.054 ± 0.037 χ^2/NDF : 135.4/114

- sign -0.069 ± 0.050 χ^2/NDF : 69.8/58

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 251.872 ± 0.042 $\chi^2/\text{NDF}: 1974521.5/31$

Left Out: 633.678 ± 0.114 $\chi^2/\text{NDF}: 4994172.5/23$

Right Out: 224.659 ± 0.037 $\chi^2/\text{NDF}: 3631049.8/35$

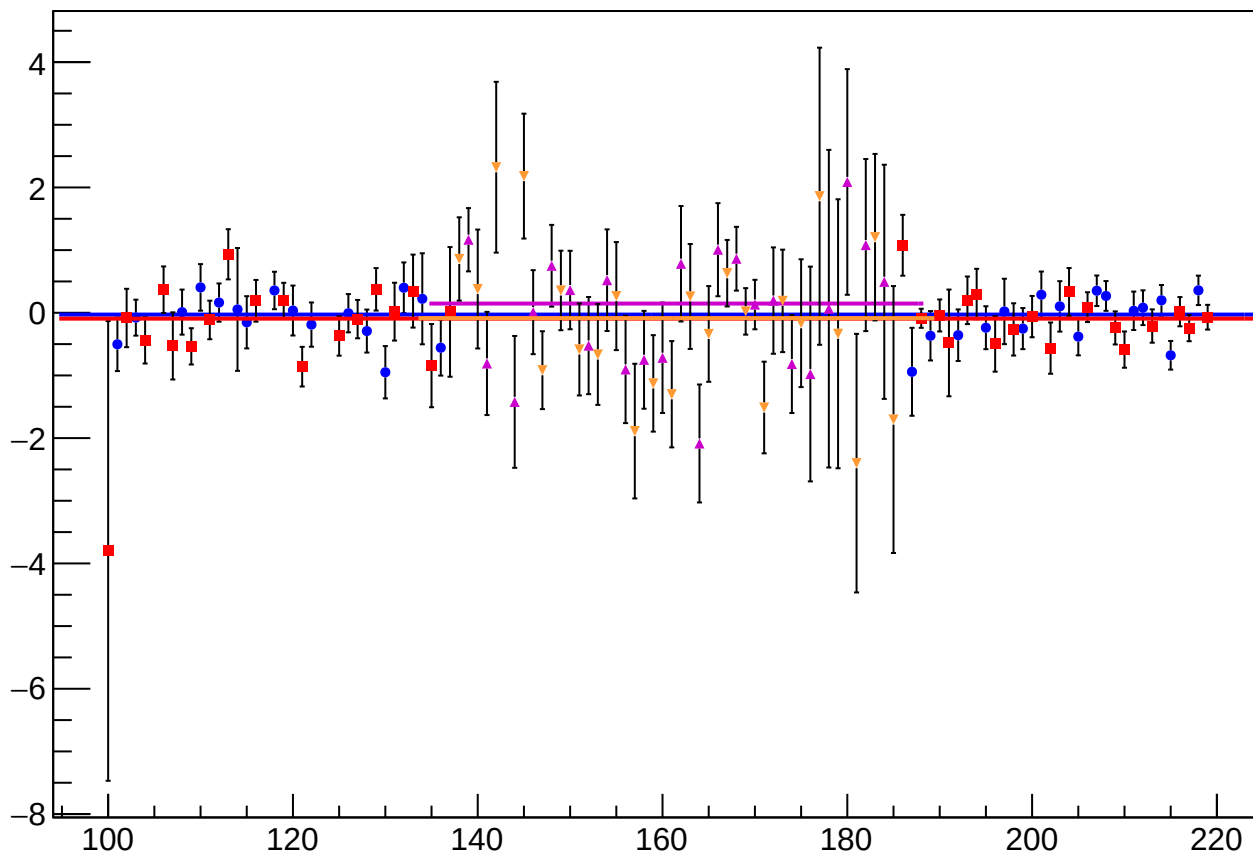
Left In: 623.922 ± 0.112 $\chi^2/\text{NDF}: 4541413.9/22$

+ sign 296.968 ± 0.039 $\chi^2/\text{NDF}: 16834782.6/55$

All: 279.197 ± 0.026 $\chi^2/\text{NDF}: 36839312.4/100$

- sign 264.702 ± 0.035 $\chi^2/\text{NDF}: 19631943.2/58$

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029 ± 0.059 χ^2/NDF : 35.1/31

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.094 ± 0.053 χ^2/NDF : 41.2/35

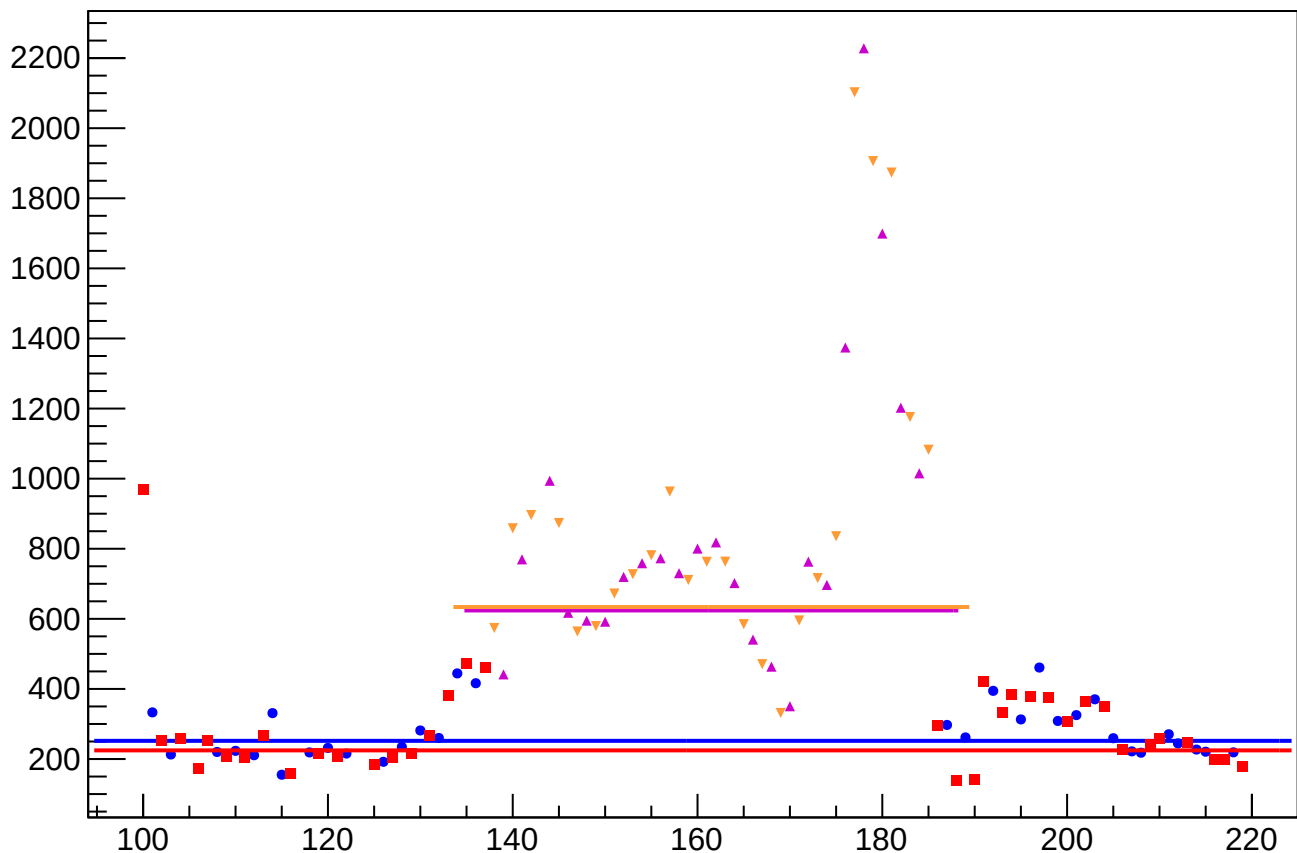
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.036 ± 0.055 χ^2/NDF : 65.5/55

All: -0.054 ± 0.037 χ^2/NDF : 135.4/114

- sign -0.069 ± 0.050 χ^2/NDF : 69.8/58

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 251.872 ± 0.042 $\chi^2/\text{NDF}: 1974521.5/31$

Left Out: 633.678 ± 0.114 $\chi^2/\text{NDF}: 4994172.5/23$

Right Out: 224.659 ± 0.037 $\chi^2/\text{NDF}: 3631049.8/35$

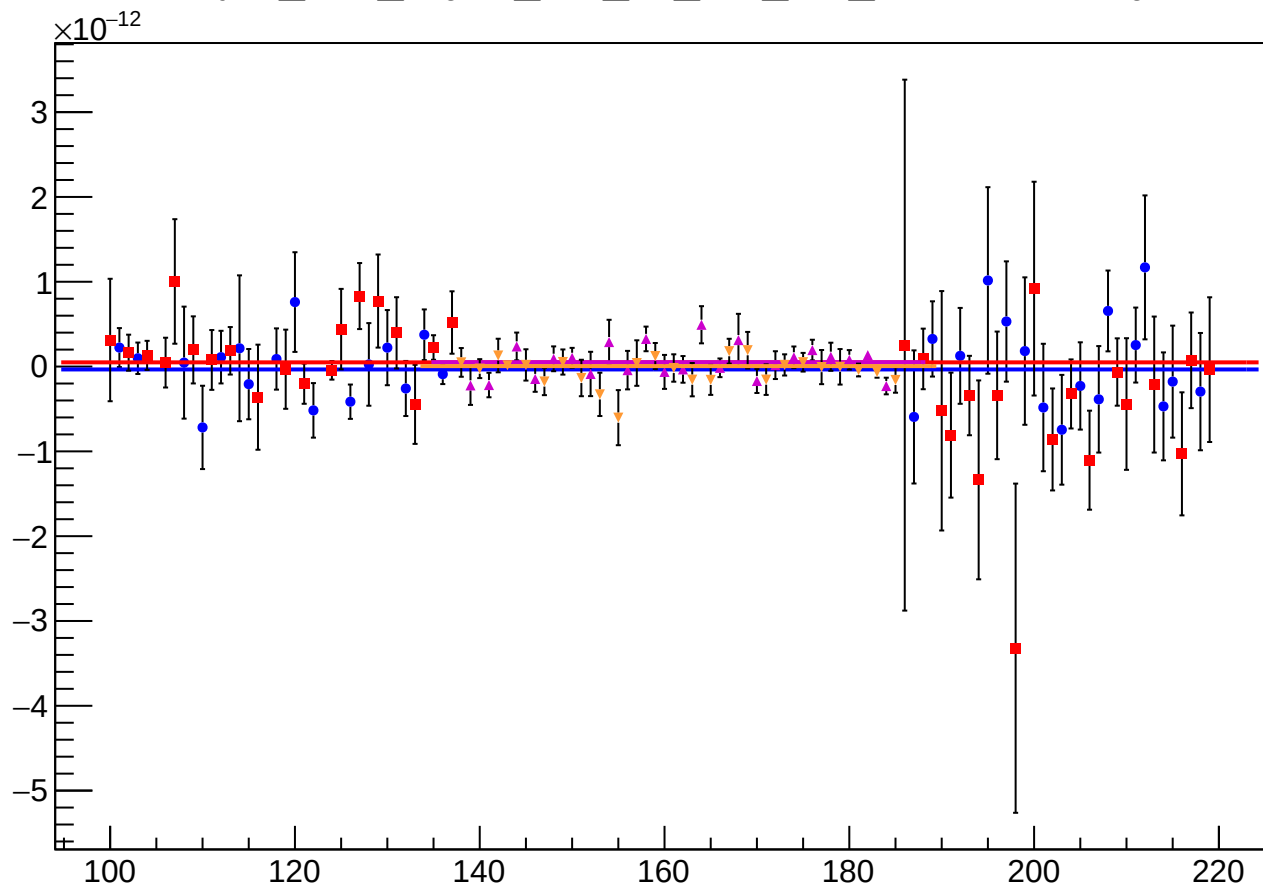
Left In: 623.922 ± 0.112 $\chi^2/\text{NDF}: 4541413.9/22$

+ sign 296.968 ± 0.039 $\chi^2/\text{NDF}: 16834782.6/55$

All: 279.197 ± 0.026 $\chi^2/\text{NDF}: 36839312.4/1$

- sign 264.702 ± 0.035 $\chi^2/\text{NDF}: 19631943.2/58$

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.9/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 15.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 33.6/36

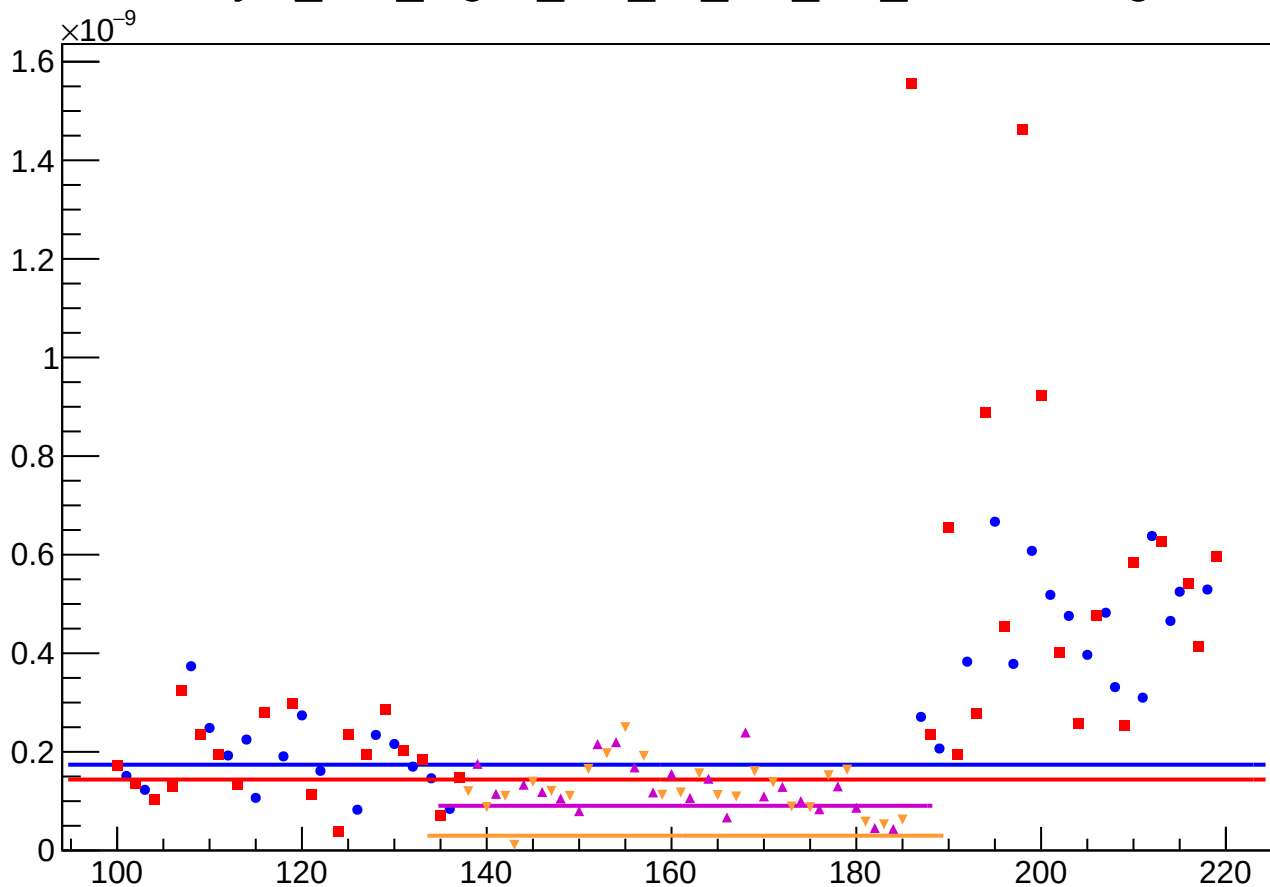
Left In: 0.000 ± 0.000 χ^2/NDF : 33.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 41.1/56

All: 0.000 ± 0.000 χ^2/NDF : 111.0/116

- sign 0.000 ± 0.000 χ^2/NDF : 67.0/59

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7788974.7/31

Left Out: 0.000+/-0.000 χ^2/NDF : 17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11563535.1/36

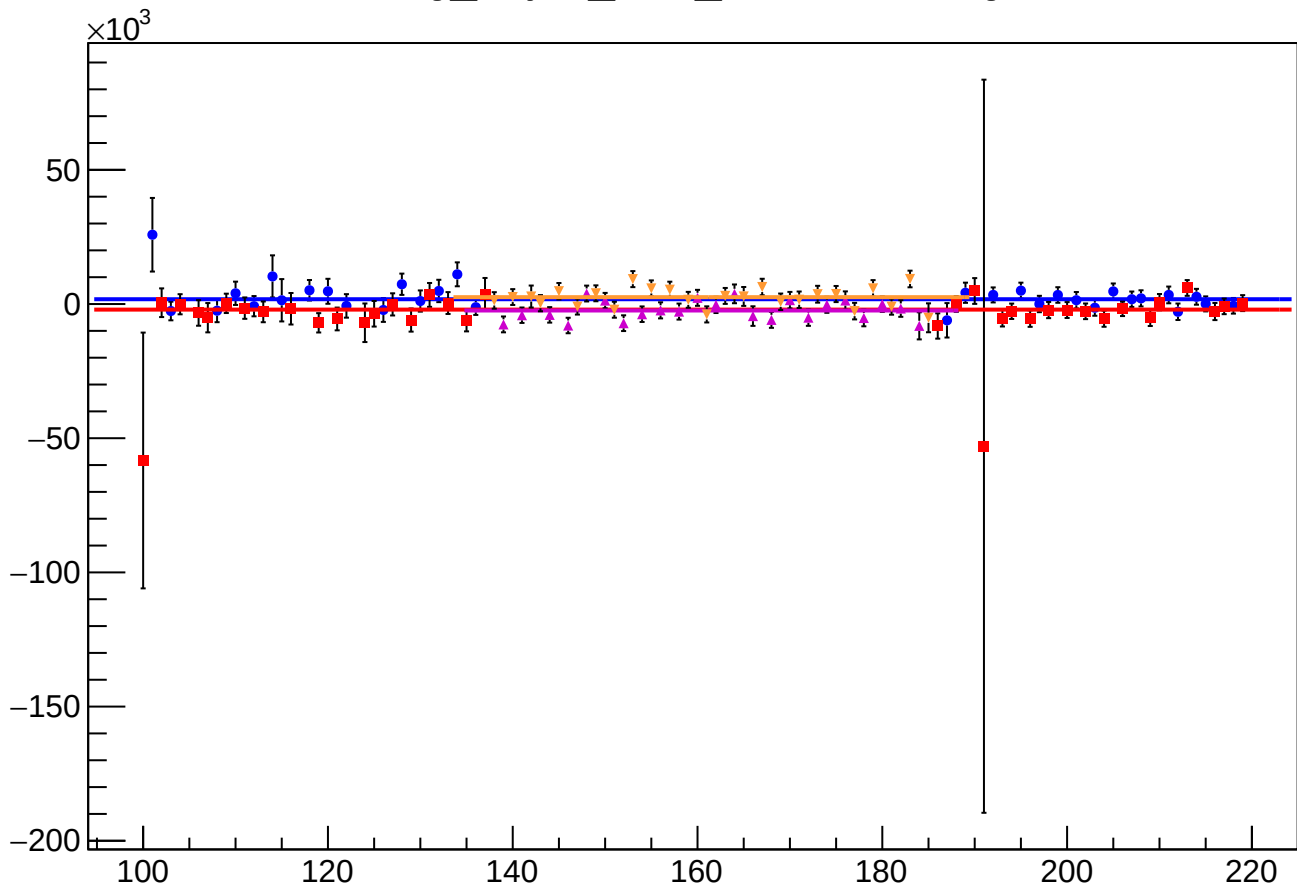
Left In: 0.000+/-0.000 χ^2/NDF : 4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 35406894.9/56

All: 0.000+/-0.000 χ^2/NDF : 63777393.0/116

- sign 0.000+/-0.000 χ^2/NDF : 17779992.3/59

reg_asym_atr1_mean vs Slug



Right In: 1791.313 $\pm$ 623.622 χ^2 /NDF: 27.8/31

Left Out: 2556.827 $\pm$ 621.829 χ^2 /NDF: 31.6/24

Right Out: -2077.624 $\pm$ 606.229 χ^2 /NDF: 29.2/36

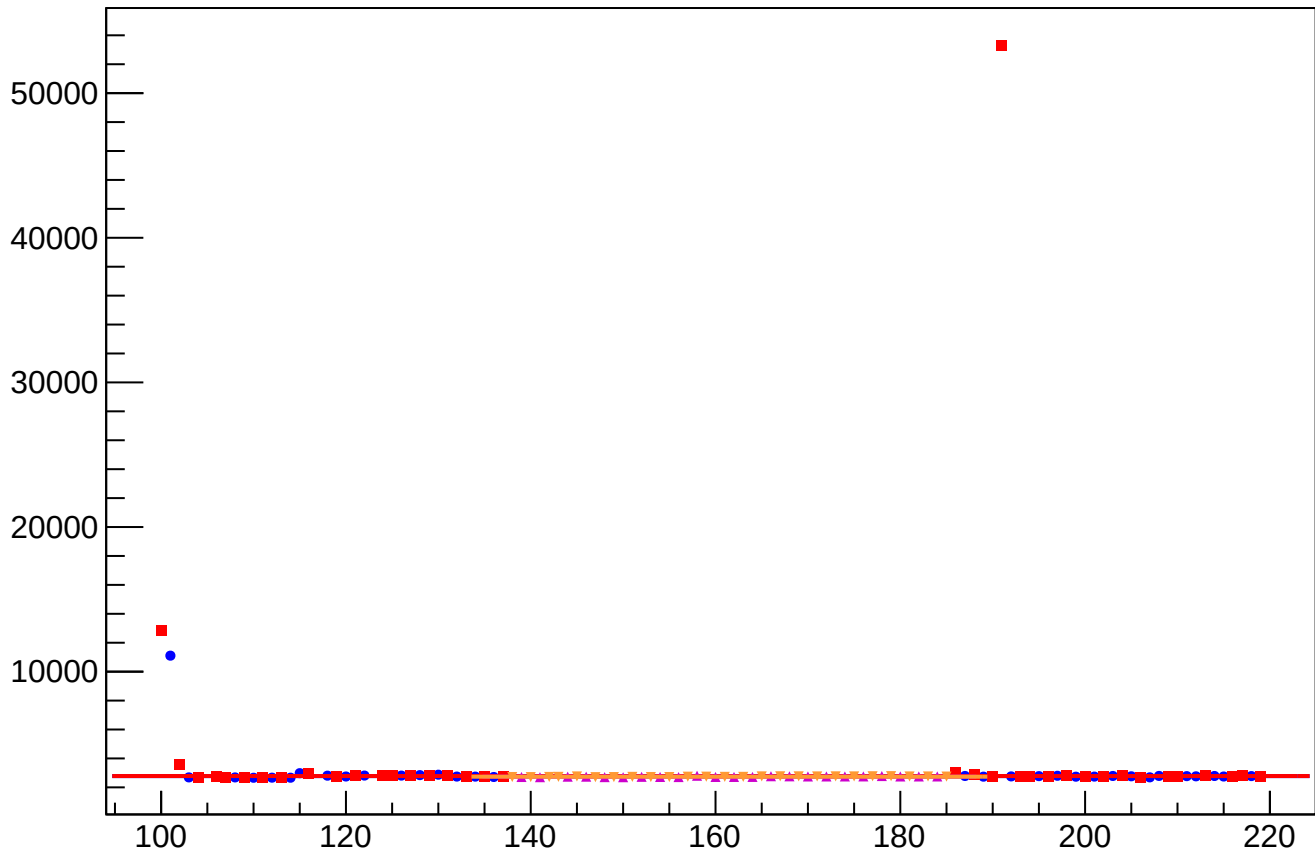
Left In: -2408.320 $\pm$ 639.726 χ^2 /NDF: 31.4/22

+ sign 2175.172 $\pm$ 440.332 χ^2 /NDF: 60.2/56

All: -30.949 $\pm$ 311.257 χ^2 /NDF: 171.0/116

- sign -2234.088 $\pm$ 440.034 χ^2 /NDF: 60.7/59

reg_asym_atr1_rms vs Slug



Right In: 2777.615+/-0.441 χ^2 /NDF: 750729.2/31

Left Out: 2737.519+/-0.440 χ^2 /NDF: 2317.5/24

Right Out: 2782.342+/-0.429 χ^2 /NDF: 482469.8/36

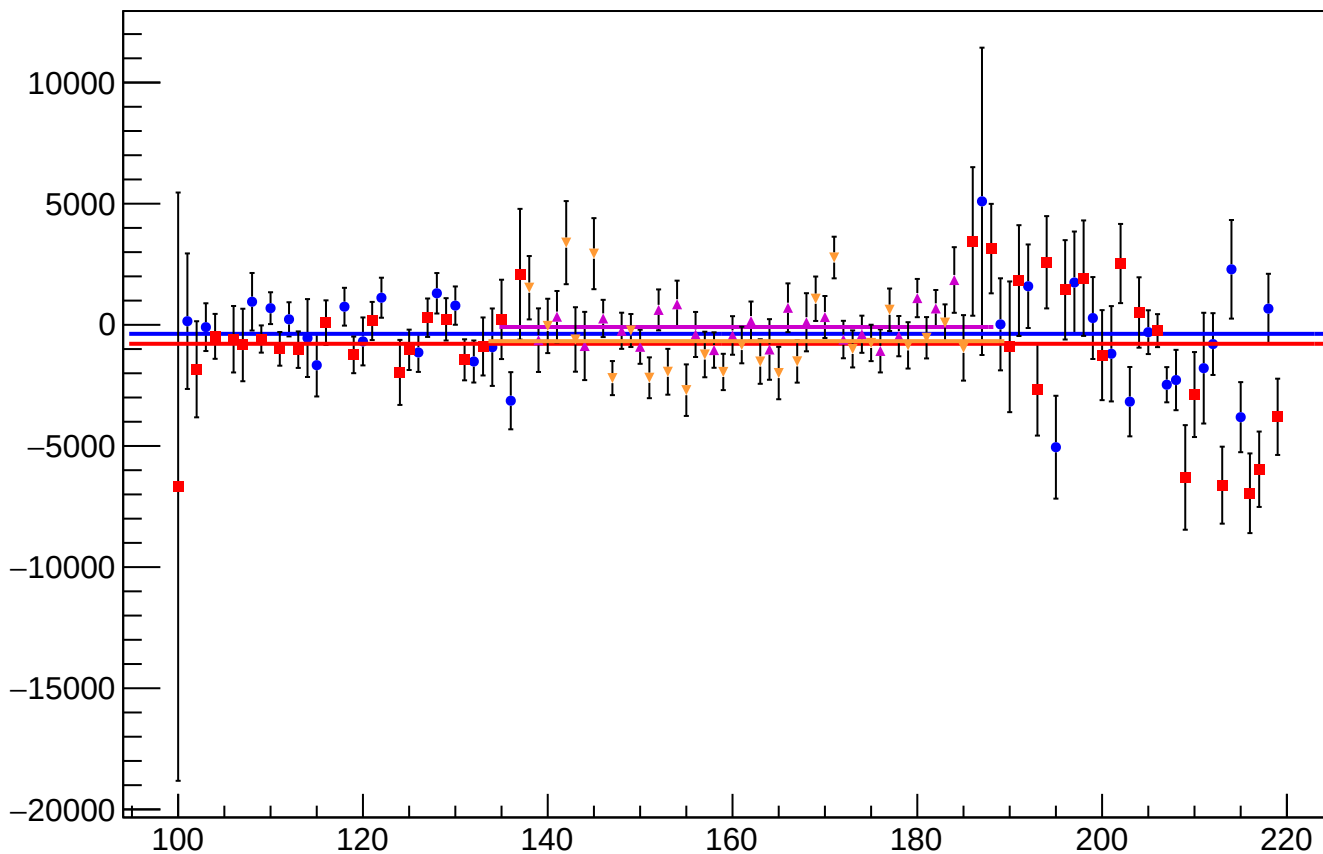
Left In: 2739.863+/-0.452 χ^2 /NDF: 3362.0/22

+ sign 2757.509+/-0.311 χ^2 /NDF: 757192.5/56

All: 2759.878+/-0.220 χ^2 /NDF: 1247786.2/11

- sign 2762.244+/-0.311 χ^2 /NDF: 490477.9/59

asym_atr1_reg_correction_mean vs Slug



Right In: -371.604 ± 194.993 $\chi^2/\text{NDF}: 56.8/31$

Left Out: -673.693 ± 181.230 $\chi^2/\text{NDF}: 58.4/24$

Right Out: -782.691 ± 187.133 $\chi^2/\text{NDF}: 80.0/36$

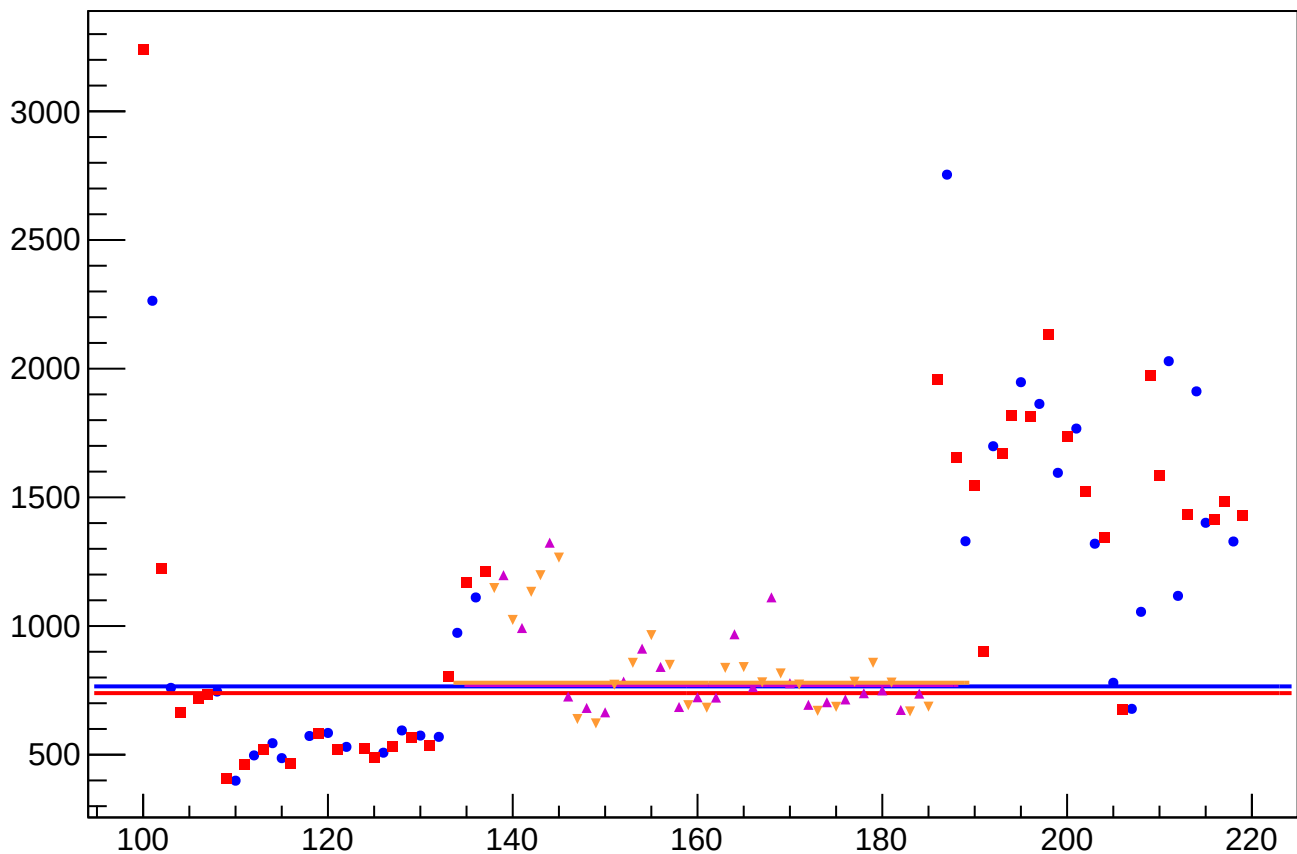
Left In: -89.519 ± 183.491 $\chi^2/\text{NDF}: 14.8/22$

+ sign -533.684 ± 132.748 $\chi^2/\text{NDF}: 116.4/56$

All: -480.804 ± 93.249 $\chi^2/\text{NDF}: 218.5/116$

- sign -429.294 ± 131.017 $\chi^2/\text{NDF}: 101.8/59$

asym_atr1_reg_correction_rms vs Slug



Right In: 765.435+/-0.138 χ^2/NDF : 8335532.8/31

Left Out: 779.715+/-0.128 χ^2/NDF :1243743.5/24

Right Out: 739.289+/-0.132 χ^2/NDF : 10007208.0/36

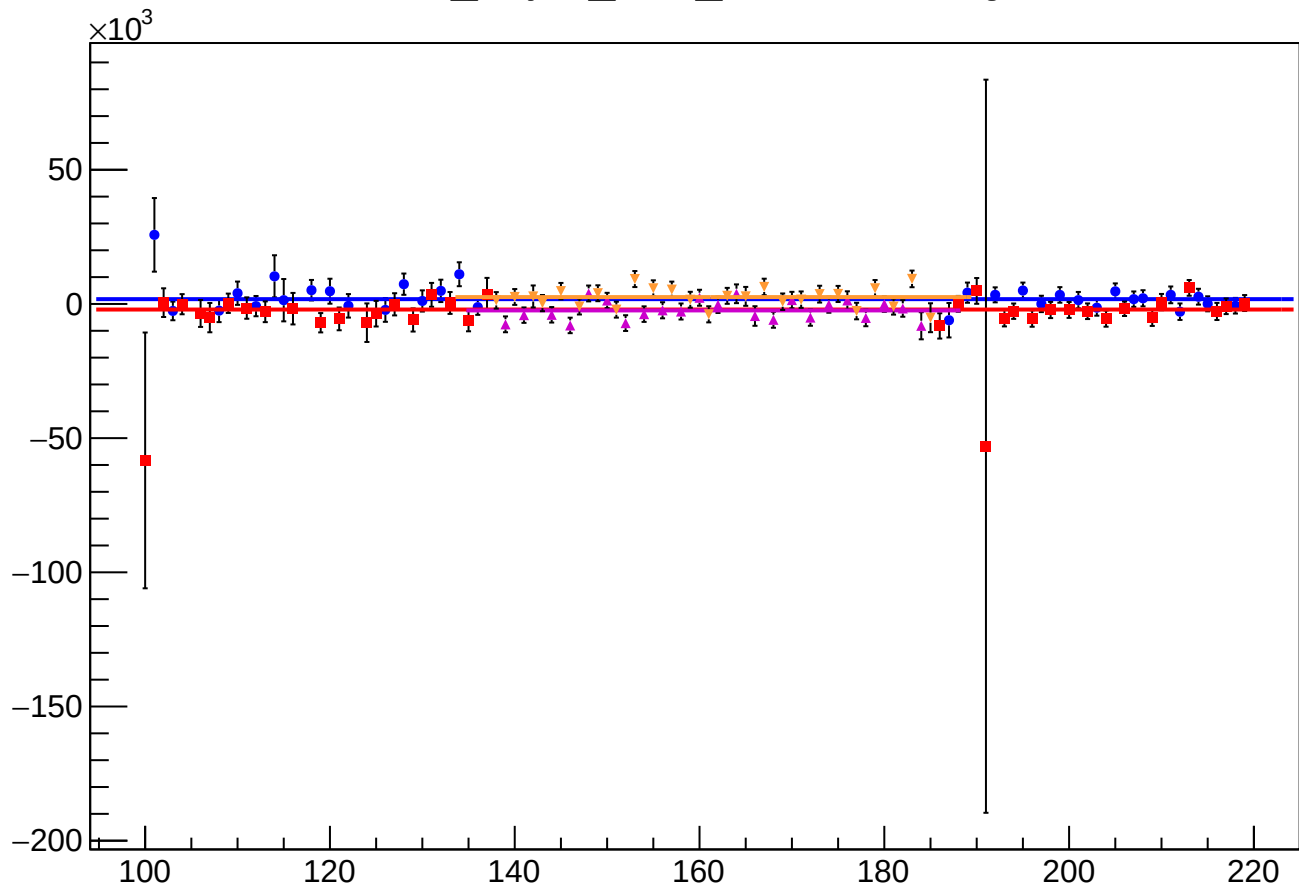
Left In: 770.795+/-0.130 χ^2/NDF :1076354.9/22

+ sign 773.097+/-0.094 χ^2/NDF : 9585031.0/56

All: 764.108+/-0.066 χ^2/NDF : 20715599.5/11

- sign 755.352+/-0.093 χ^2/NDF : 11112464.6/59

cor_asym_atr1_mean vs Slug



Right In: 1790.979 $\pm$ 623.622 χ^2 /NDF: 27.8/31

Left Out: 2556.787 $\pm$ 621.829 χ^2 /NDF: 31.6/24

Right Out: -2079.141 $\pm$ 606.707 χ^2 /NDF: 29.2/36

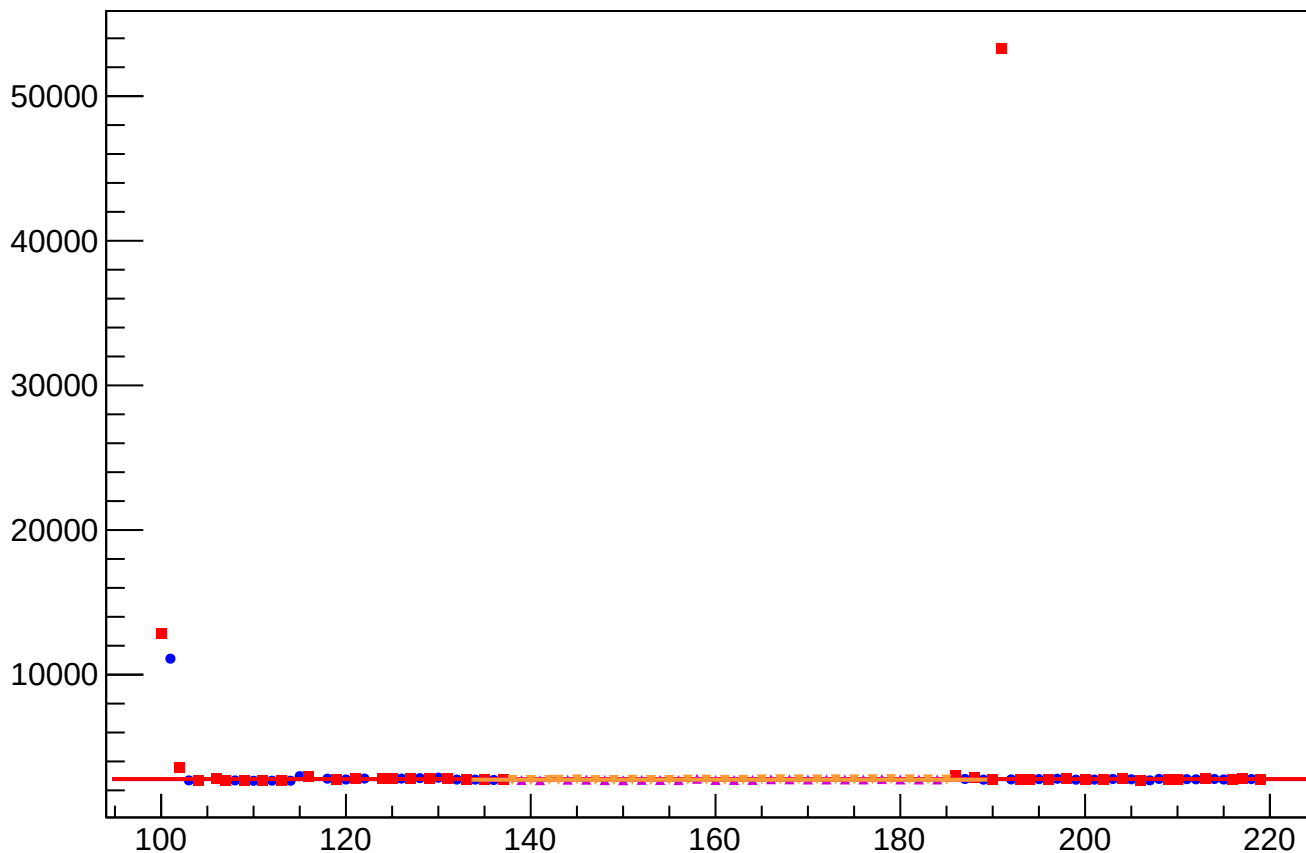
Left In: -2408.461 $\pm$ 639.726 χ^2 /NDF: 31.4/22

+ sign 2174.986 $\pm$ 440.332 χ^2 /NDF: 60.1/56

All: -30.626 $\pm$ 311.321 χ^2 /NDF: 171.0/116

- sign -2235.083 $\pm$ 440.217 χ^2 /NDF: 60.7/59

cor_asym_atr1_rms vs Slug



Right In: 2777.615 $\pm$ 0.441 χ^2 /NDF: 750728.3/31

Left Out: 2737.519 $\pm$ 0.440 χ^2 /NDF: 2317.5/24

Right Out: 2784.156 $\pm$ 0.429 χ^2 /NDF: 482378.8/36

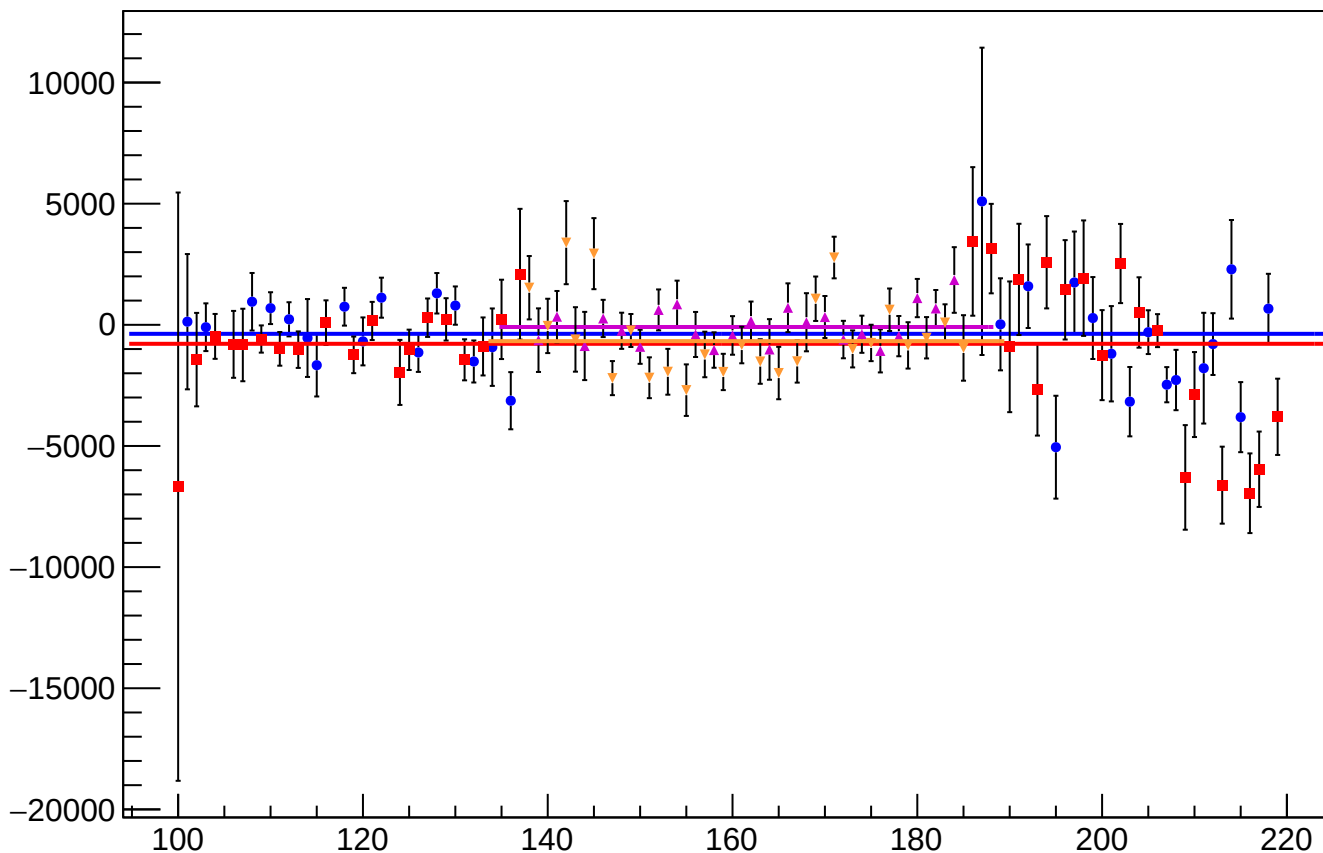
Left In: 2739.863 $\pm$ 0.452 χ^2 /NDF: 3362.0/22

+ sign 2757.509 $\pm$ 0.311 χ^2 /NDF: 757191.6/56

All: 2760.346 $\pm$ 0.220 χ^2 /NDF: 1248146.0/11

- sign 2763.182 $\pm$ 0.311 χ^2 /NDF: 490788.4/59

asym_atr1_cor_correction_mean vs Slug



Right In: -371.603 ± 194.986 χ^2/NDF : 56.8/31

Left Out: -673.608 ± 181.230 χ^2/NDF : 58.4/24

Right Out: -783.323 ± 187.109 χ^2/NDF : 79.8/36

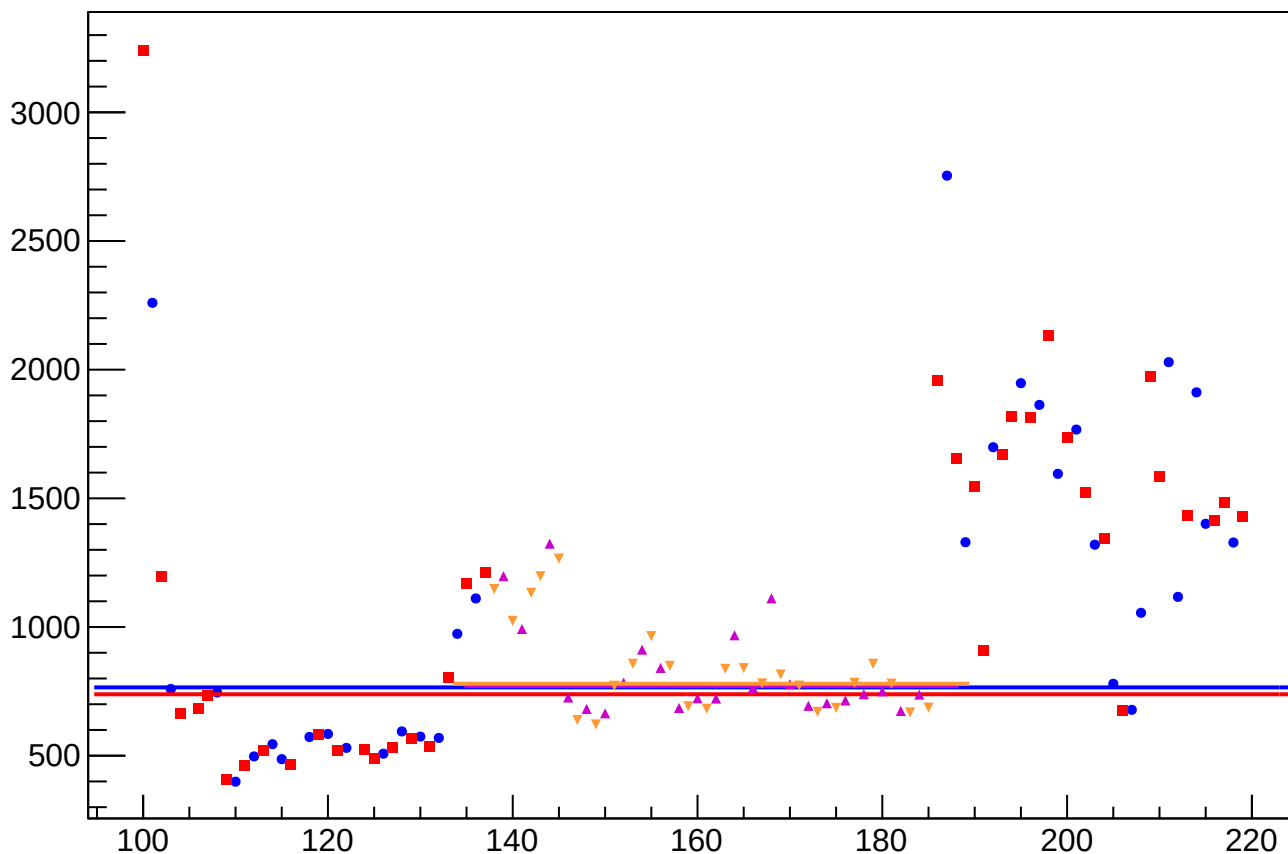
Left In: -89.643 ± 183.492 χ^2/NDF : 14.8/22

+ sign -533.633 ± 132.746 χ^2/NDF : 116.4/56

All: -480.989 ± 93.245 χ^2/NDF : 218.3/116

- sign -429.715 ± 131.008 χ^2/NDF : 101.6/59

asym_atr1_cor_correction_rms vs Slug



Right In: 765.422+/-0.138 χ^2/NDF : 8334733.6/31

Left Out: 779.713+/-0.128 χ^2/NDF :1243769.6/24

Right Out: 738.708+/-0.132 χ^2/NDF : 10005302.1/36

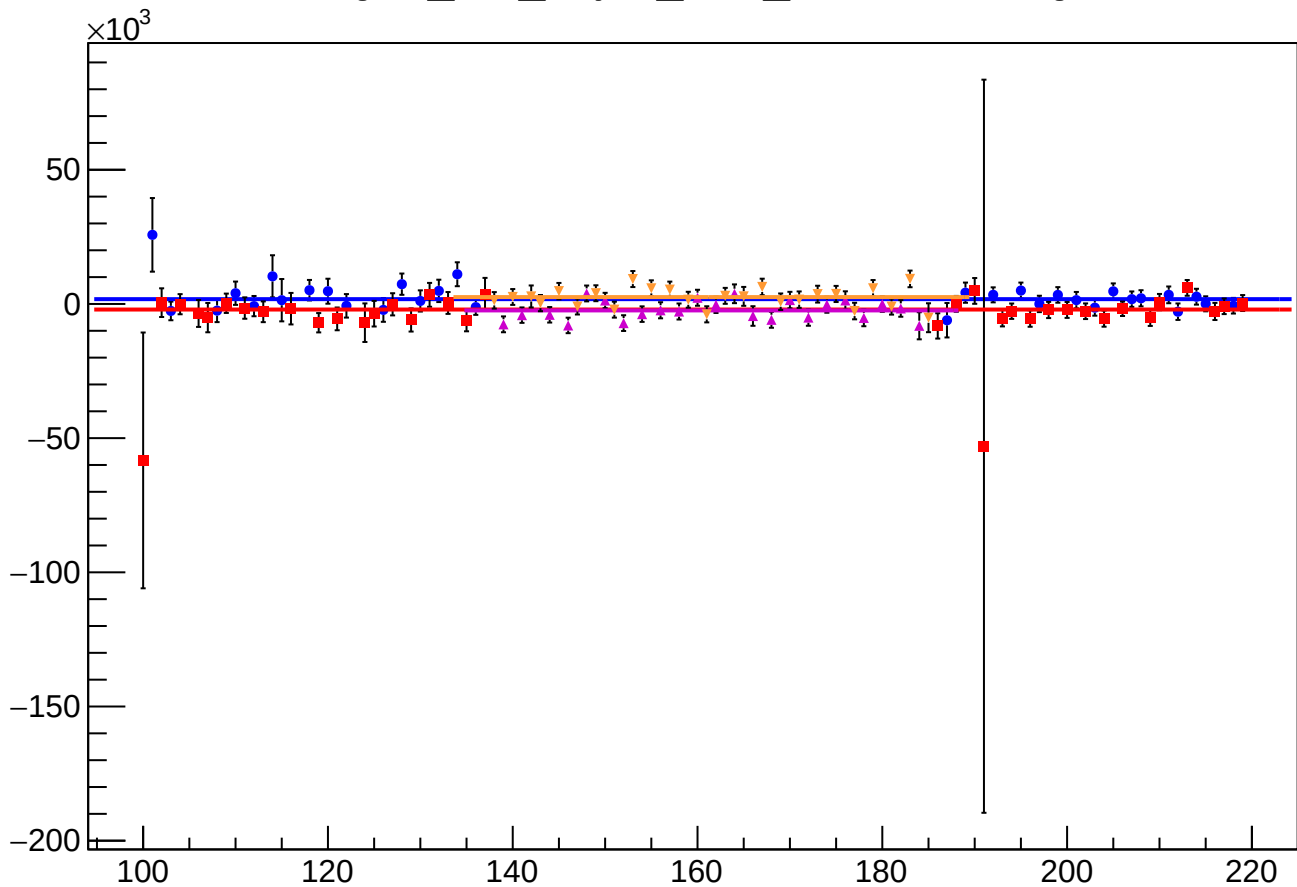
Left In: 770.799+/-0.130 χ^2/NDF :1076291.1/22

+ sign 773.089+/-0.094 χ^2/NDF : 9584267.5/56

All: 763.959+/-0.066 χ^2/NDF : 20714524.8/1

- sign 755.067+/-0.093 χ^2/NDF : 11111581.8/59

eigen_cor_asym_atr1_mean vs Slug



Right In: 1790.979 $\pm$ 623.622 χ^2 /NDF: 27.8/31

Left Out: 2556.787 $\pm$ 621.829 χ^2 /NDF: 31.6/24

Right Out: -2079.141 $\pm$ 606.707 χ^2 /NDF: 29.2/36

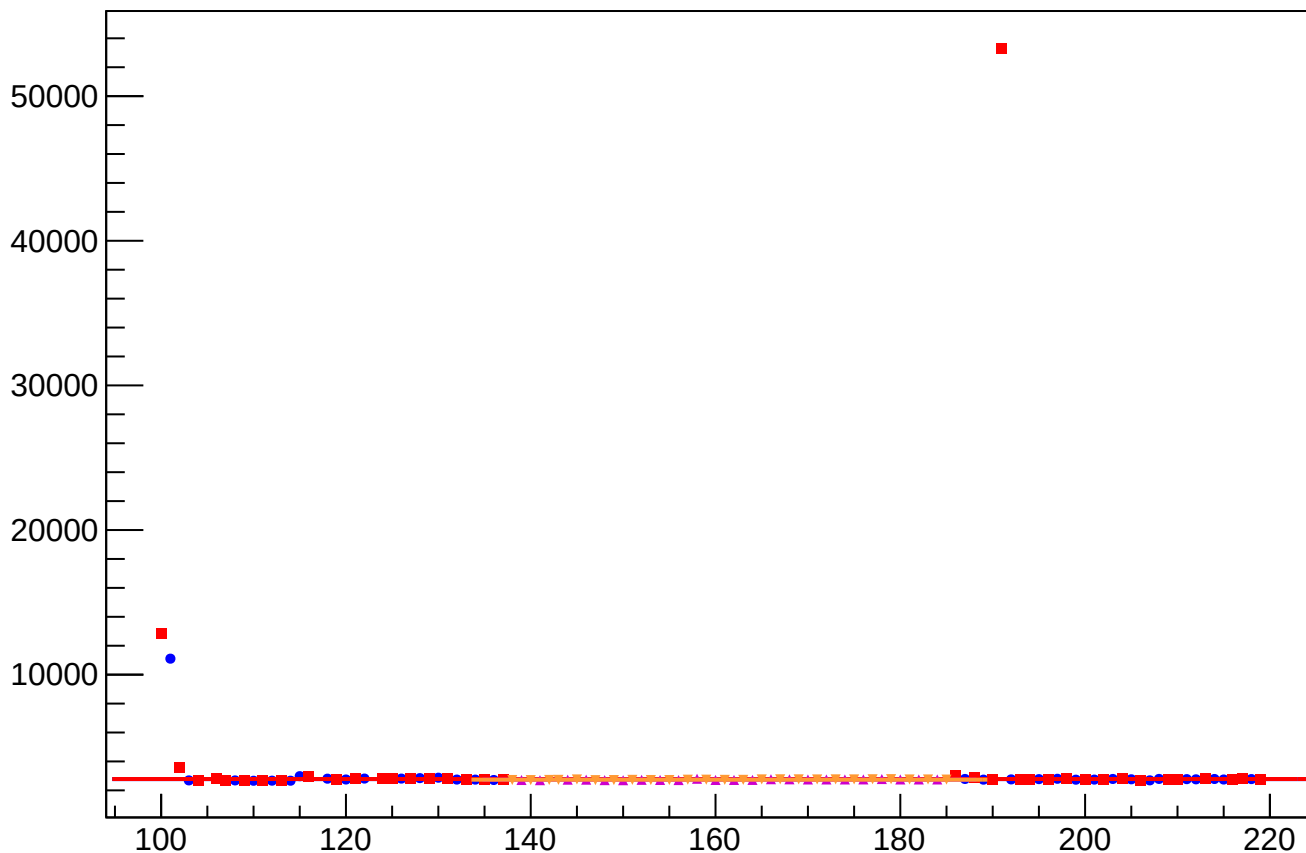
Left In: -2408.461 $\pm$ 639.726 χ^2 /NDF: 31.4/22

+ sign 2174.986 $\pm$ 440.332 χ^2 /NDF: 60.1/56

All: -30.626 $\pm$ 311.321 χ^2 /NDF: 171.0/116

- sign -2235.083 $\pm$ 440.217 χ^2 /NDF: 60.7/59

eigen_cor_asym_atr1_rms vs Slug



Right In: 2777.615+/-0.441 χ^2 /NDF: 750728.3/31

Left Out: 2737.519+/-0.440 χ^2 /NDF: 2317.5/24

Right Out: 2784.156+/-0.429 χ^2 /NDF: 482378.8/36

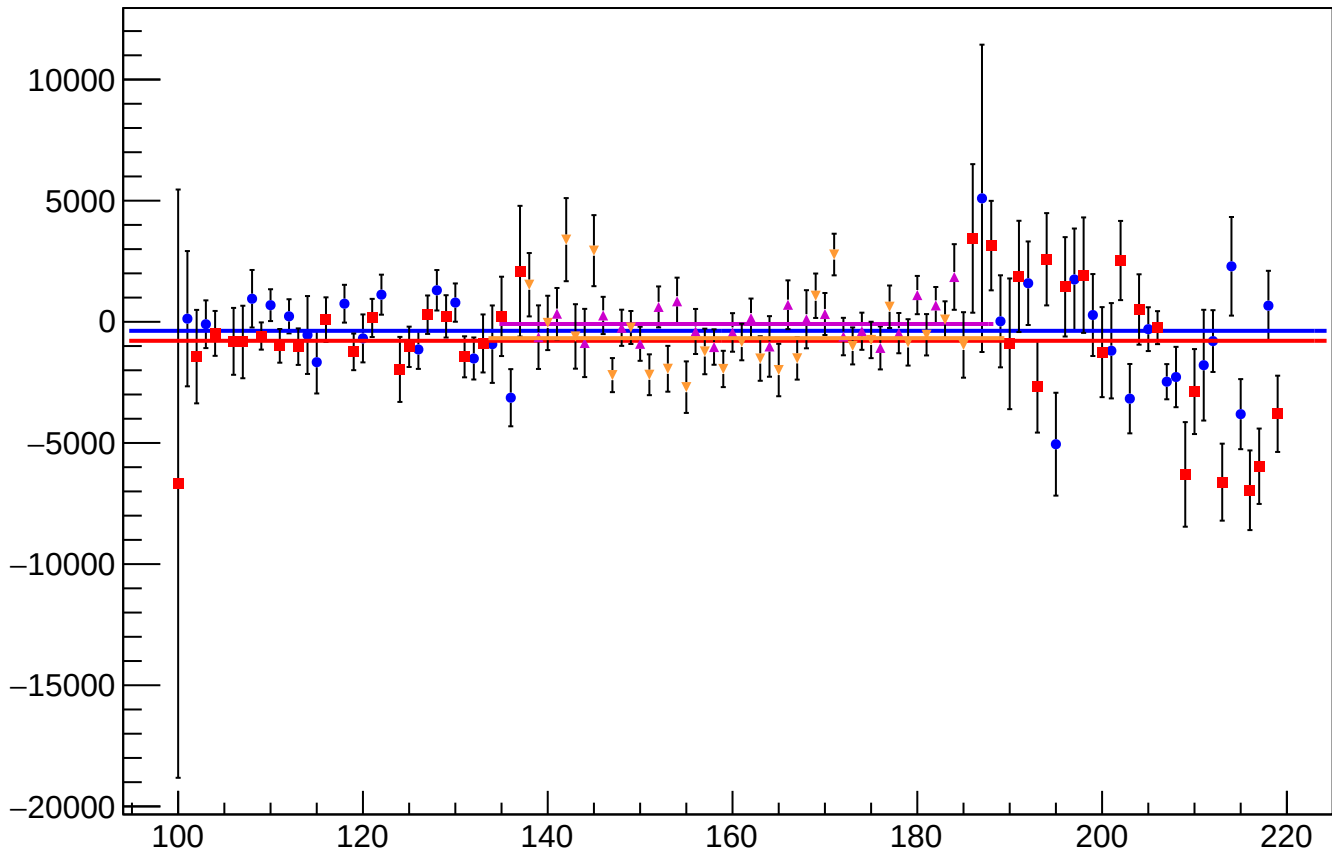
Left In: 2739.863+/-0.452 χ^2 /NDF: 3362.0/22

+ sign 2757.509+/-0.311 χ^2 /NDF: 757191.6/56

All: 2760.346+/-0.220 χ^2 /NDF: 1248146.0/11

- sign 2763.182+/-0.311 χ^2 /NDF: 490788.4/59

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -371.603+/-194.986 χ^2/NDF : 56.8/31

Left Out: -673.608+/-181.230 χ^2/NDF : 58.4/24

Right Out: -783.323+/-187.109 χ^2/NDF : 79.8/36

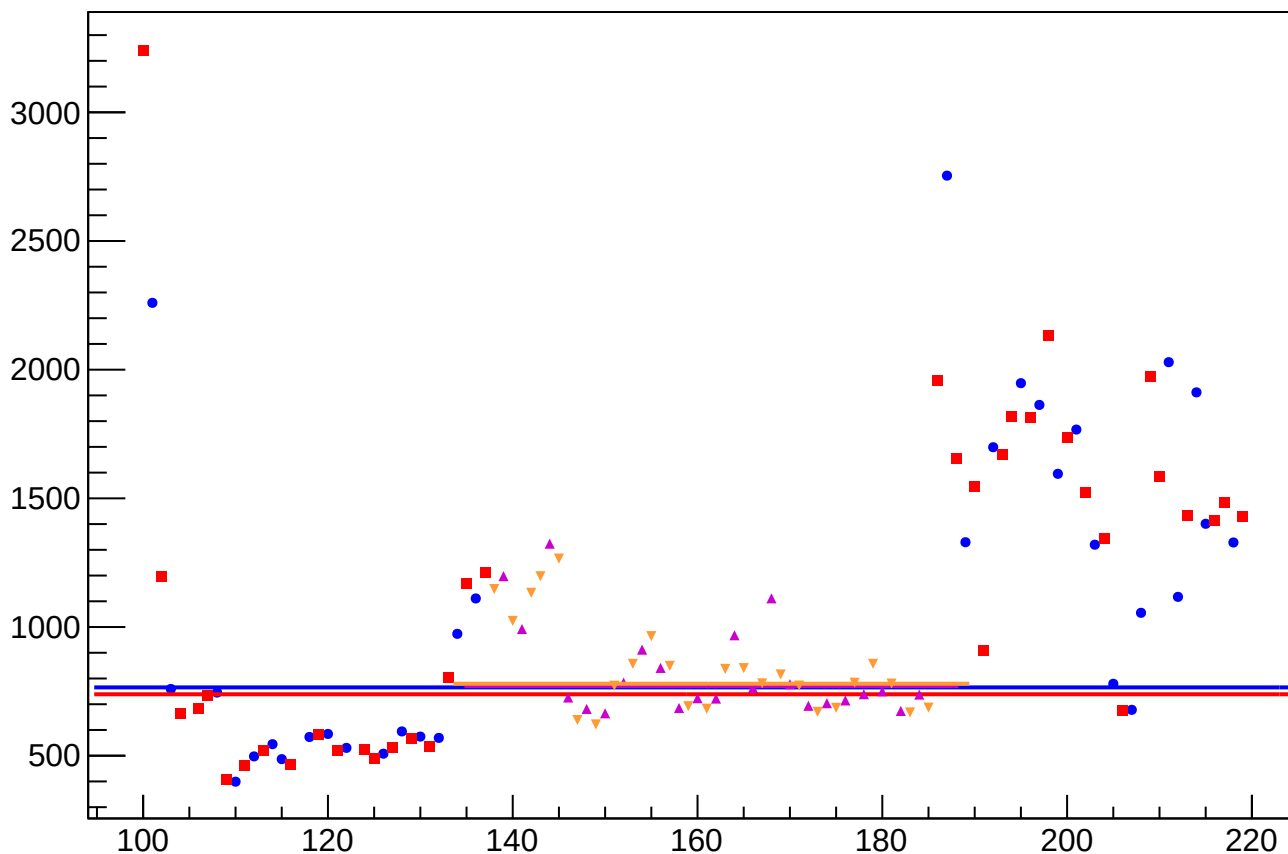
Left In: -89.643+/-183.492 χ^2/NDF : 14.8/22

+ sign -533.633+/-132.746 χ^2/NDF : 116.4/56

All: -480.989+/-93.245 χ^2/NDF : 218.3/116

- sign -429.715+/-131.008 χ^2/NDF : 101.6/59

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 765.422+/-0.138 χ^2/NDF : 8334733.6/31

Left Out: 779.713+/-0.128 χ^2/NDF :1243769.6/24

Right Out: 738.708+/-0.132 χ^2/NDF : 10005302.1/36

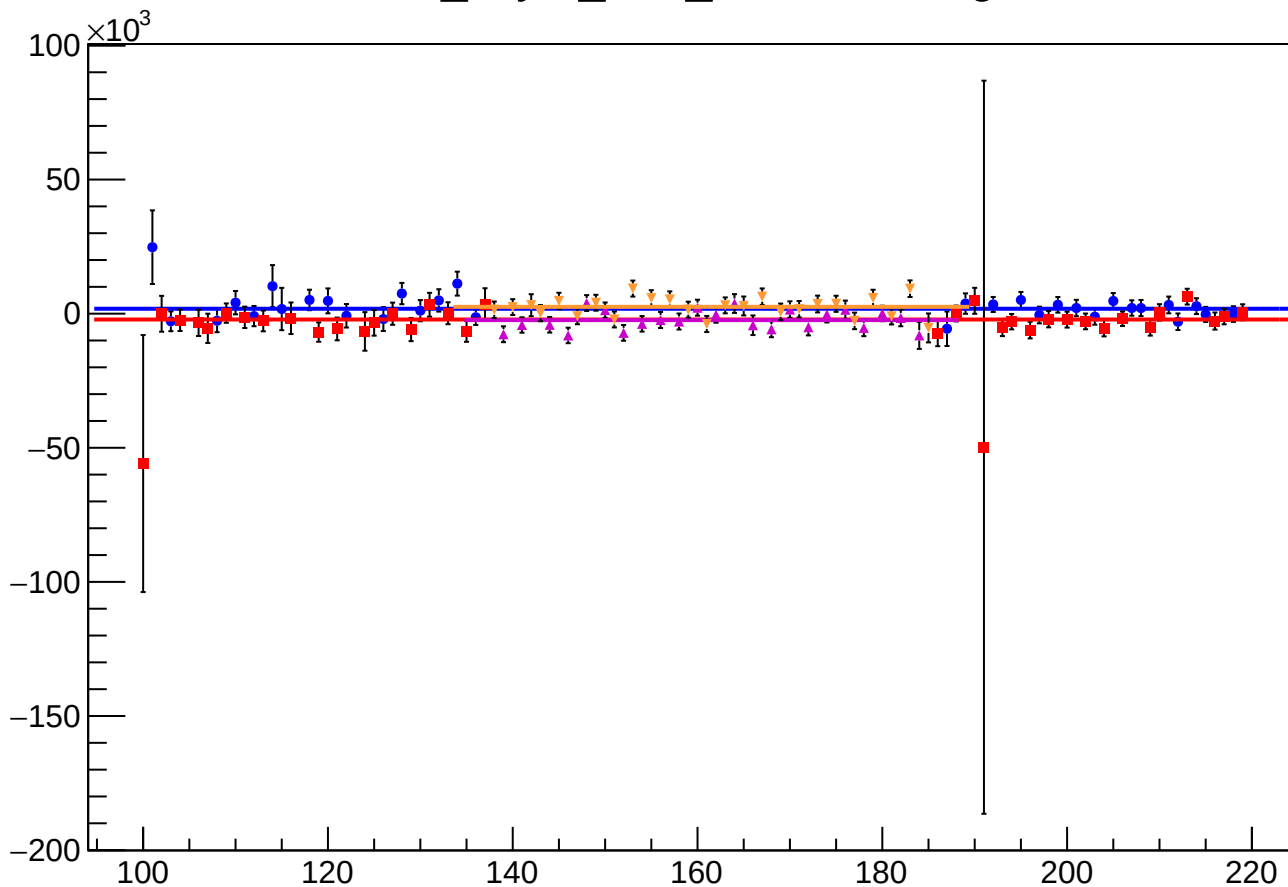
Left In: 770.799+/-0.130 χ^2/NDF :1076291.1/22

+ sign 773.089+/-0.094 χ^2/NDF : 9584267.5/56

All: 763.959+/-0.066 χ^2/NDF : 20714524.8/1

- sign 755.067+/-0.093 χ^2/NDF : 11111581.8/59

dit_asym_atr1_mean vs Slug



Right In: 1833.285 ± 626.669 χ^2/NDF : 27.6/31

Left Out: 2545.043 ± 622.236 χ^2/NDF : 31.9/24

Right Out: -2176.745 ± 610.900 χ^2/NDF : 29.1/36

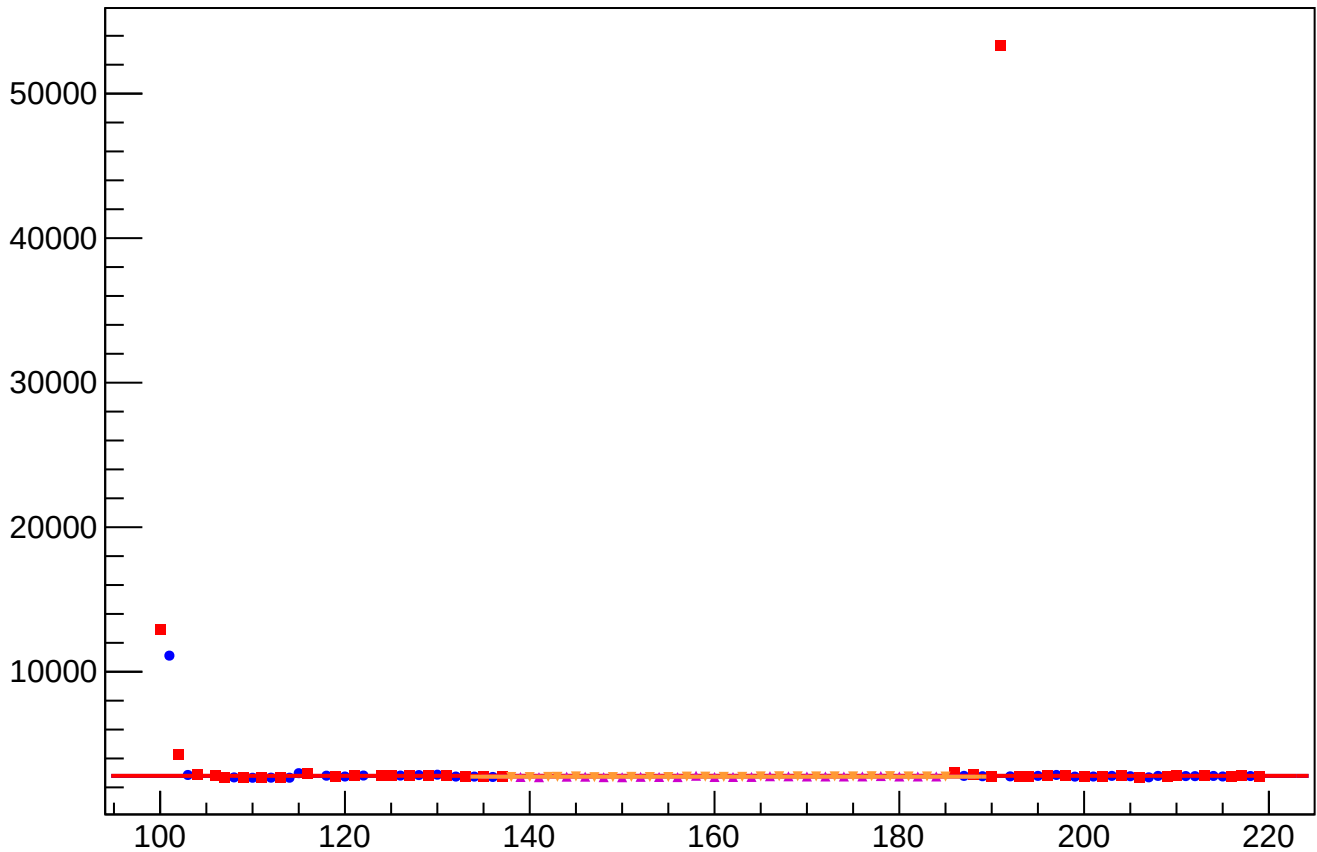
Left In: -2406.858 ± 640.084 χ^2/NDF : 31.8/22

+ sign 2191.690 ± 441.546 χ^2/NDF : 60.2/56

All: -45.432 ± 312.356 χ^2/NDF : 172.6/116

- sign -2286.436 ± 441.929 χ^2/NDF : 61.0/59

dit_asym_atr1_rms vs Slug



Right In: 2791.046 $\pm$ 0.443 χ^2 /NDF: 750545.3/31

Left Out: 2739.304 $\pm$ 0.440 χ^2 /NDF: 2322.3/24

Right Out: 2798.696 $\pm$ 0.432 χ^2 /NDF: 536503.5/36

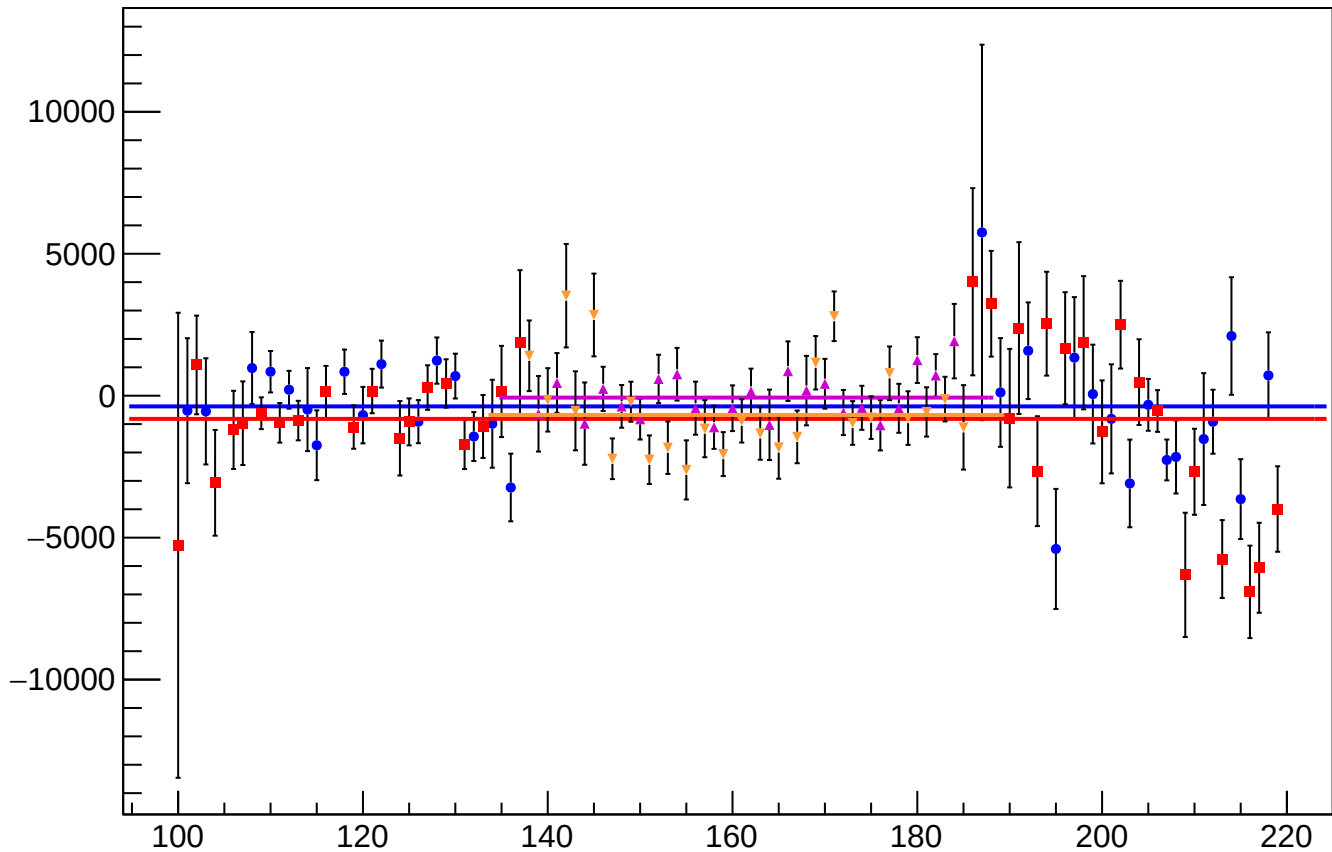
Left In: 2741.391 $\pm$ 0.453 χ^2 /NDF: 3369.6/22

+ sign 2764.991 $\pm$ 0.312 χ^2 /NDF: 759733.3/56

All: 2768.183 $\pm$ 0.221 χ^2 /NDF: 1308204.4/11

- sign 2771.379 $\pm$ 0.312 χ^2 /NDF: 548262.0/59

asym_atr1_dit_correction_mean vs Slug



Right In: -376.406 ± 197.182 χ^2/NDF : 53.8/31

Left Out: -678.226 ± 185.004 χ^2/NDF : 56.2/24

Right Out: -816.398 ± 188.022 χ^2/NDF : 84.0/36

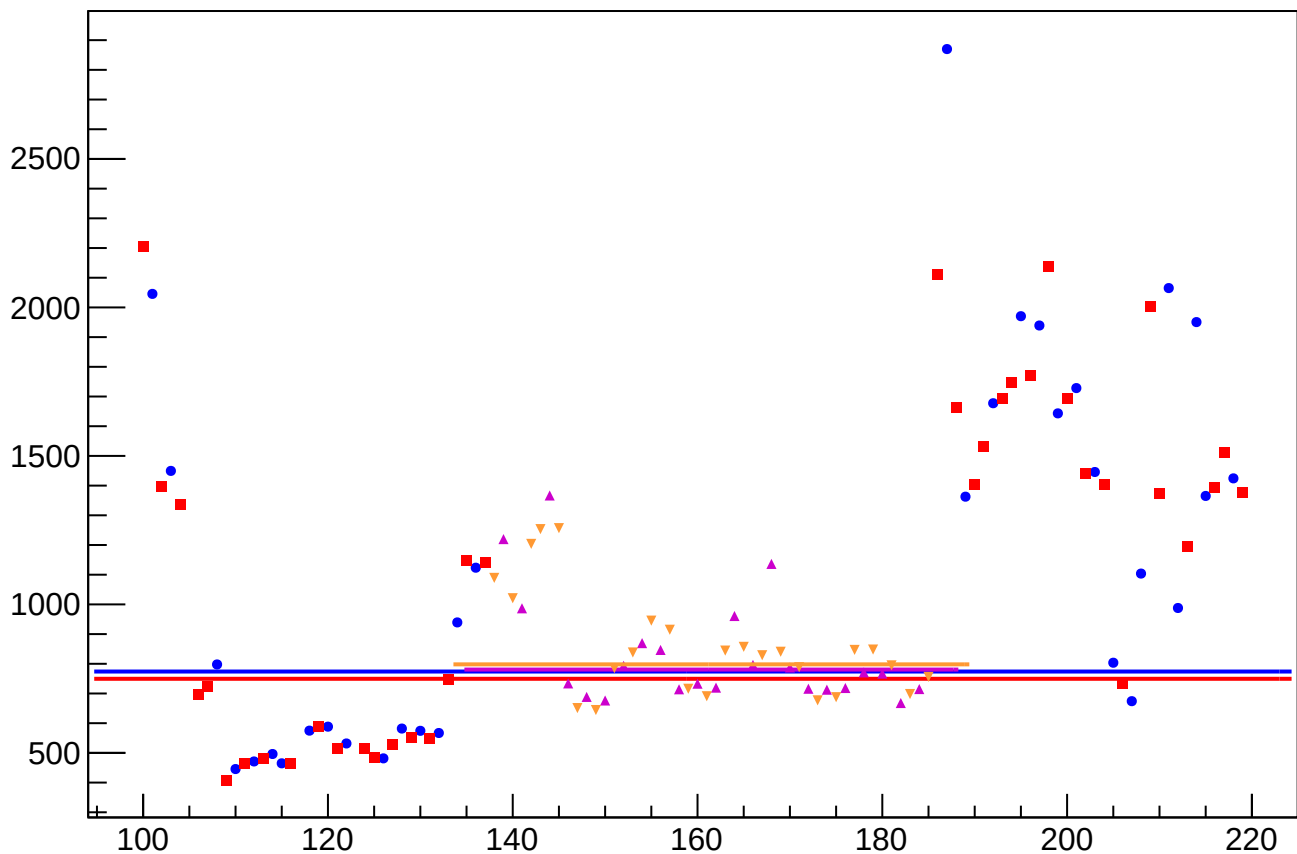
Left In: -67.156 ± 185.436 χ^2/NDF : 15.8/22

+ sign -536.923 ± 134.918 χ^2/NDF : 111.2/56

All: -485.670 ± 94.363 χ^2/NDF : 219.4/116

- sign -436.589 ± 132.028 χ^2/NDF : 107.9/59

asym_atr1_dit_correction_rms vs Slug



Right In: 773.957 $\pm$ 0.139 χ^2 /NDF: 8780607.3/31

Left Out: 798.091 $\pm$ 0.131 χ^2 /NDF: 1168352.1/24

Right Out: 749.467 $\pm$ 0.133 χ^2 /NDF: 10251544.3/36

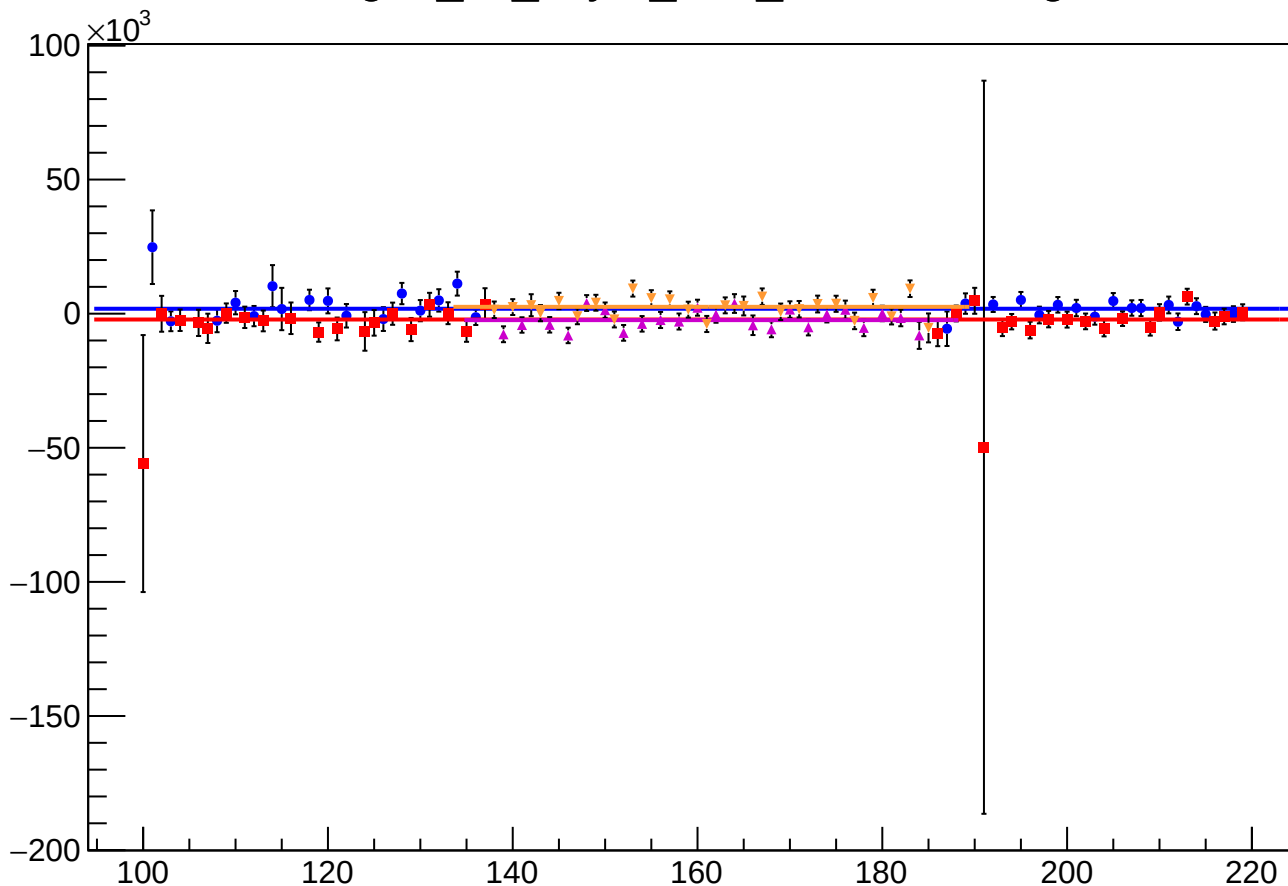
Left In: 780.525 $\pm$ 0.131 χ^2 /NDF: 1064827.5/22

+ sign 786.793 $\pm$ 0.095 χ^2 /NDF: 9964893.4/56

All: 775.768 $\pm$ 0.067 χ^2 /NDF: 21335069.3/11

- sign 765.211 $\pm$ 0.093 χ^2 /NDF: 11344035.2/59

eigen_dit_asym_atr1_mean vs Slug



Right In: 1833.286 $\pm$ 626.669 χ^2 /NDF: 27.6/31

Left Out: 2545.044 $\pm$ 622.236 χ^2 /NDF:31.9/24

Right Out: -2176.741 $\pm$ 610.900 χ^2 /NDF: 29.1/36

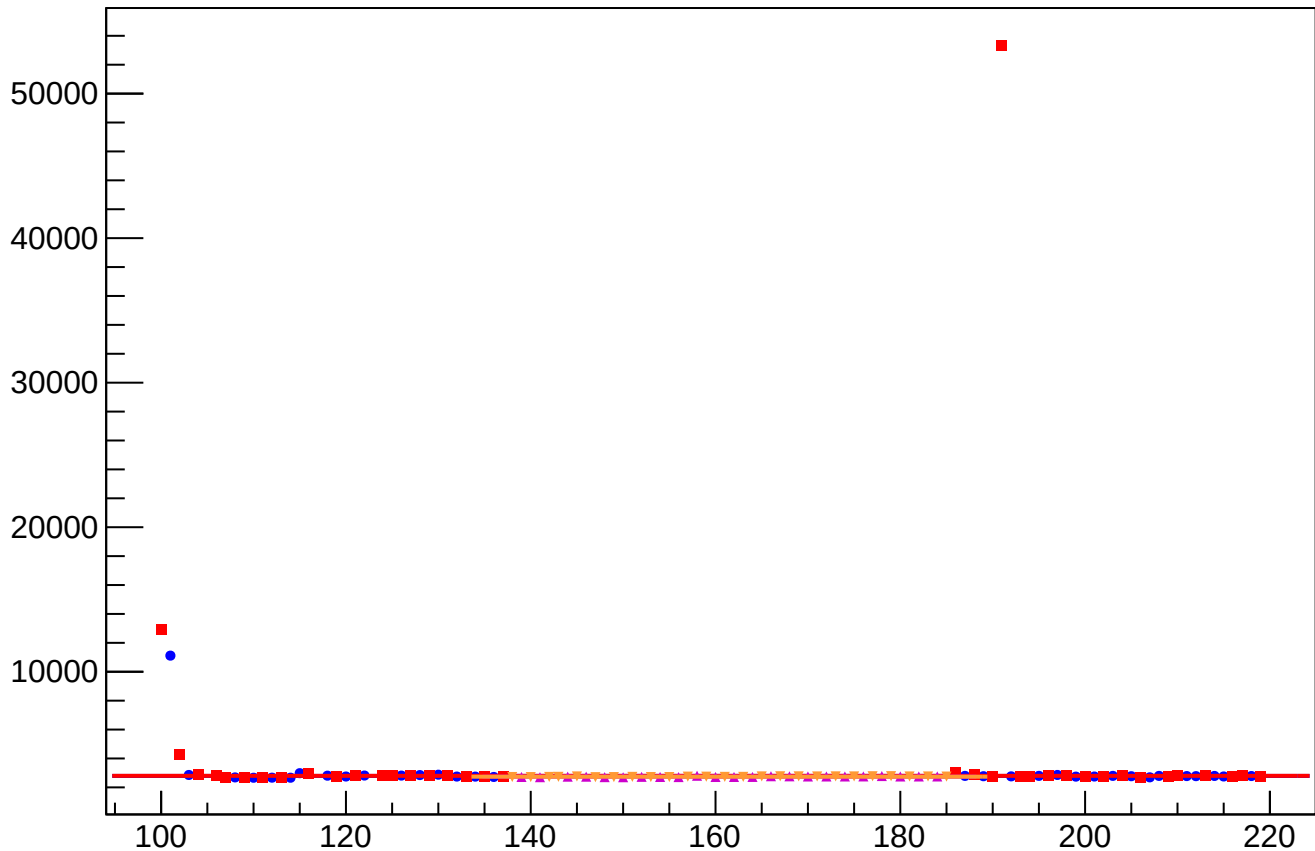
Left In: -2406.858 $\pm$ 640.084 χ^2 /NDF:31.8/22

+ sign 2191.692 $\pm$ 441.546 χ^2 /NDF: 60.2/56

All: -45.431 $\pm$ 312.356 χ^2 /NDF: 172.6/116

- sign -2286.434 $\pm$ 441.929 χ^2 /NDF: 61.0/59

eigen_dit_asym_atr1_rms vs Slug



Right In: 2791.046+/-0.443 χ^2/NDF : 750545.3/31

Left Out: 2739.304+/-0.440 χ^2/NDF : 2322.3/24

Right Out: 2798.696+/-0.432 χ^2/NDF : 536503.3/36

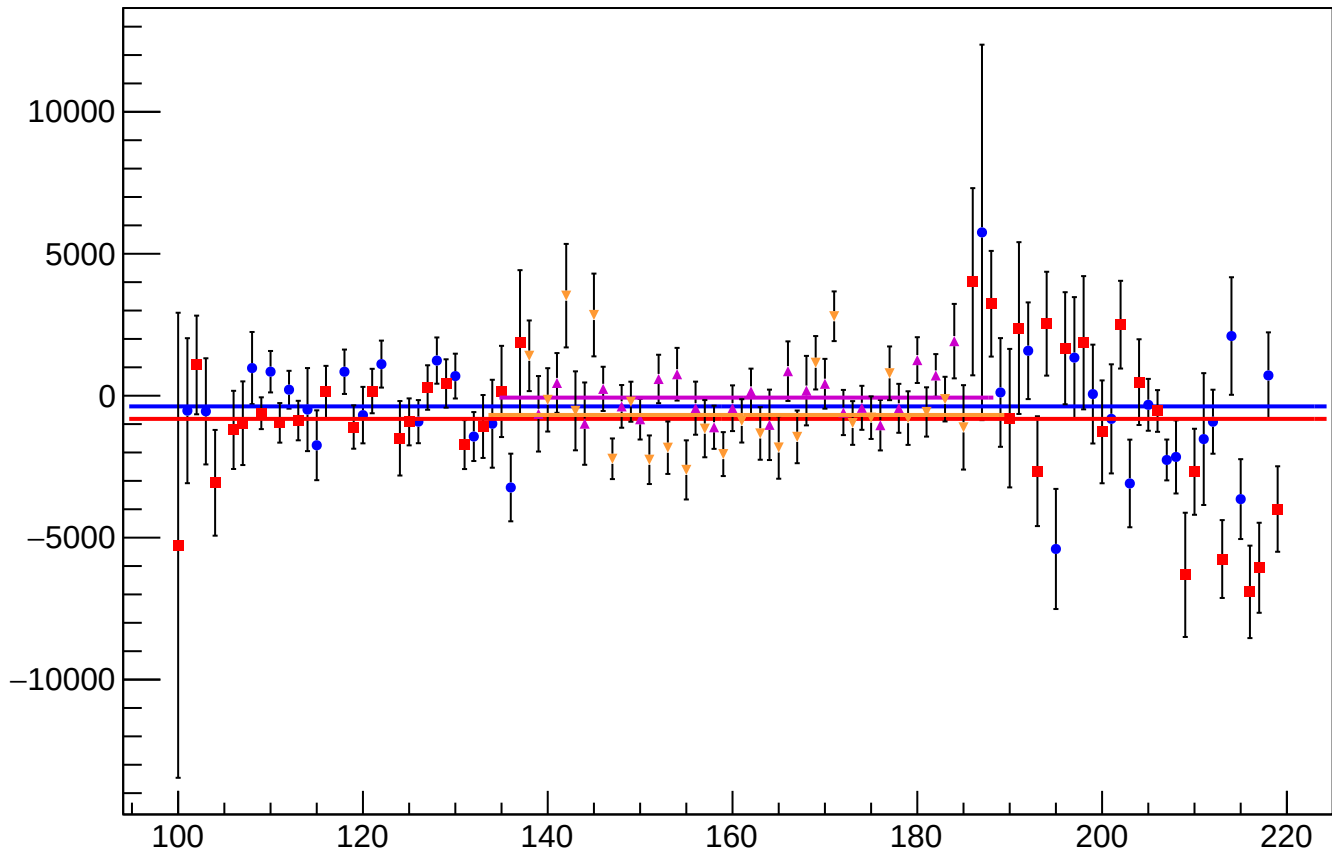
Left In: 2741.391+/-0.453 χ^2/NDF : 3369.6/22

+ sign 2764.991+/-0.312 χ^2/NDF : 759733.2/56

All: 2768.183+/-0.221 χ^2/NDF : 1308204.1/111

- sign 2771.379+/-0.312 χ^2/NDF : 548261.8/59

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -376.405 ± 197.182 χ^2/NDF : 53.8/31

Left Out: -678.227 ± 185.004 χ^2/NDF : 56.2/24

Right Out: -816.397 ± 188.022 χ^2/NDF : 84.0/36

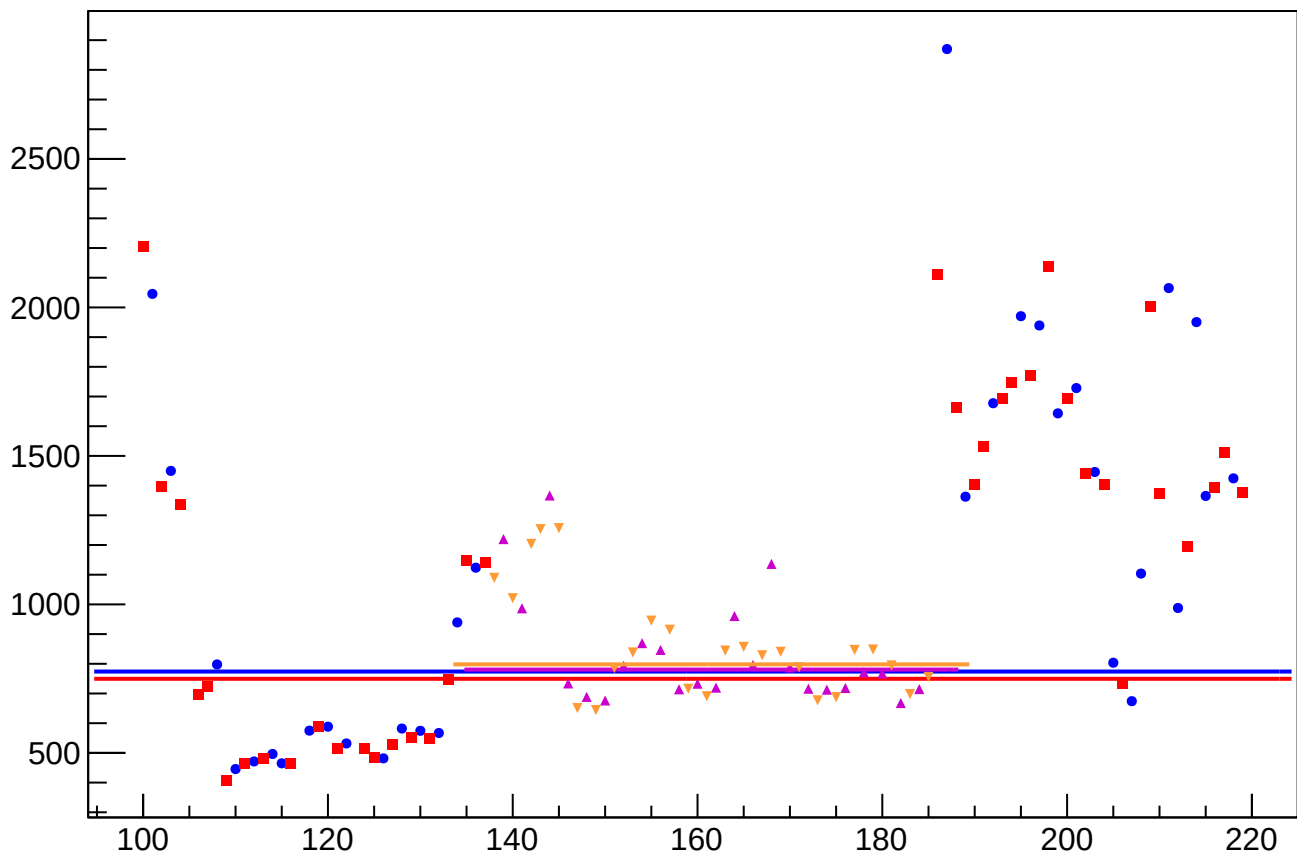
Left In: -67.157 ± 185.436 χ^2/NDF : 15.8/22

+ sign -536.923 ± 134.918 χ^2/NDF : 111.2/56

All: -485.670 ± 94.363 χ^2/NDF : 219.4/116

- sign -436.588 ± 132.028 χ^2/NDF : 107.9/59

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 773.958+/-0.139 χ^2/NDF : 8780609.4/31

Left Out: 798.092+/-0.131 χ^2/NDF :1168353.9/24

Right Out: 749.468+/-0.133 χ^2/NDF : 10251558.8/36

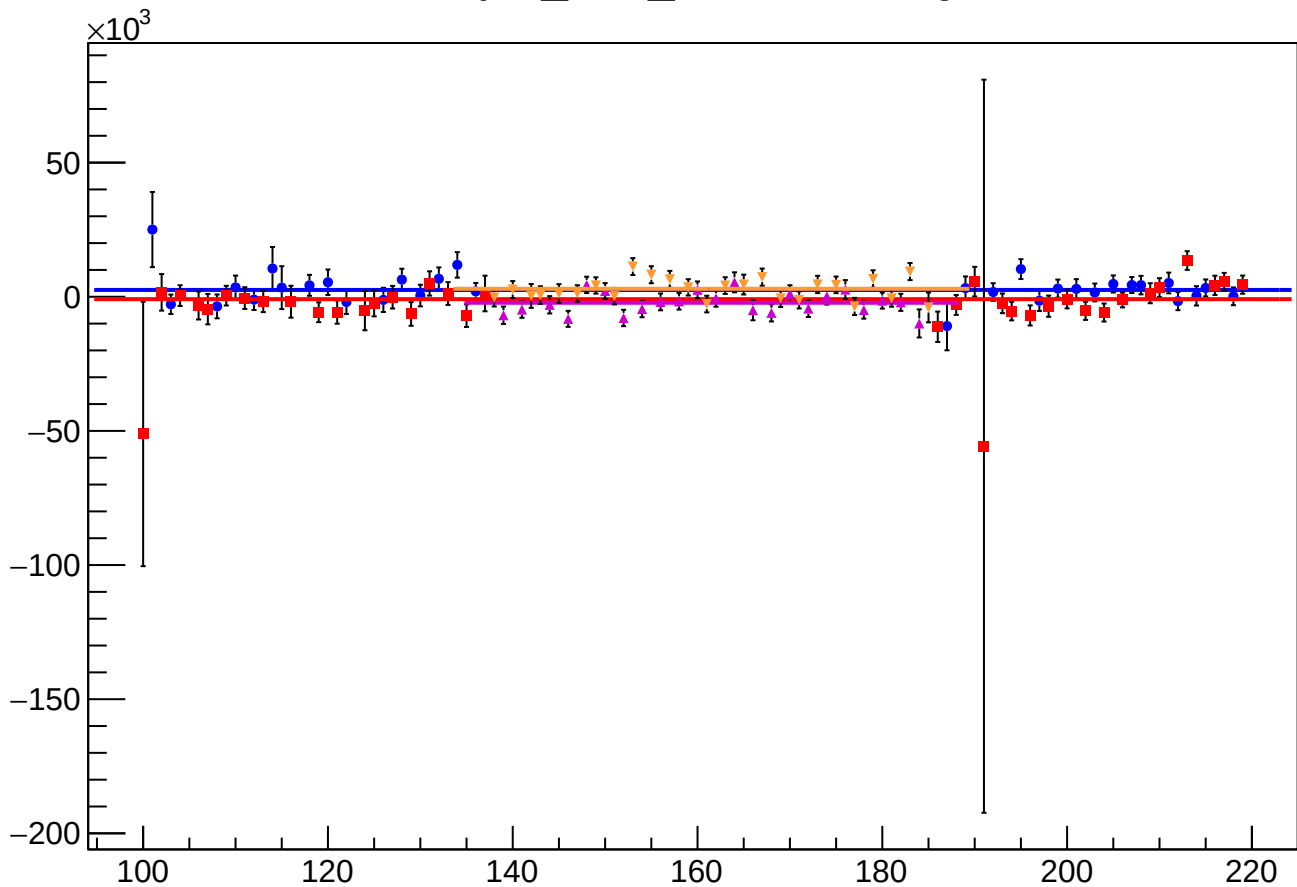
Left In: 780.525+/-0.131 χ^2/NDF :1064830.7/22

+ sign 786.793+/-0.095 χ^2/NDF : 9964896.8/56

All: 775.769+/-0.067 χ^2/NDF : 21335090.3/11

- sign 765.211+/-0.093 χ^2/NDF : 11344052.2/59

asym_atr1_mean vs Slug



Right In: 2544.797 $\pm$ 691.917 χ^2 /NDF: 28.8/31

Left Out: 2969.337 $\pm$ 653.286 χ^2 /NDF: 35.7/24

Right Out: -895.953 $\pm$ 678.275 χ^2 /NDF: 52.7/36

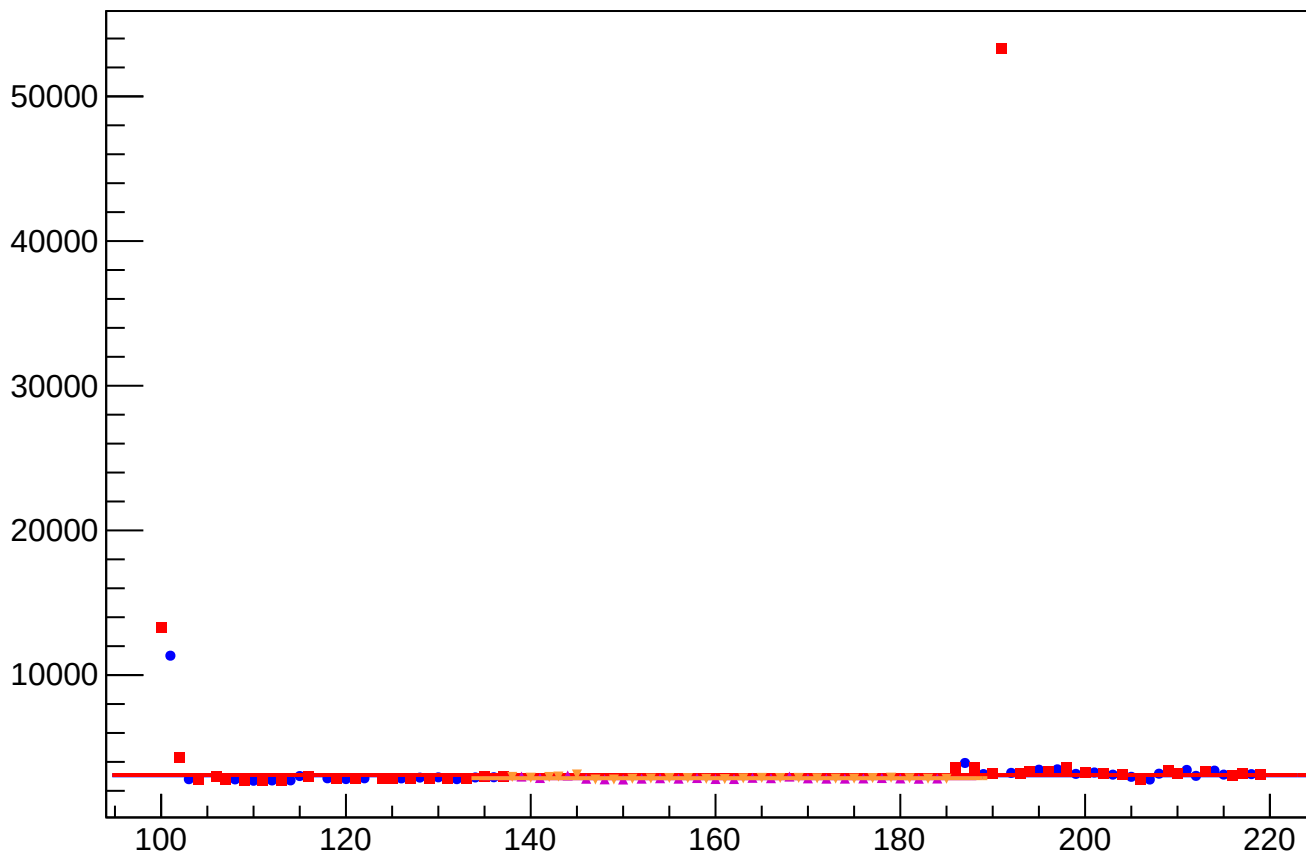
Left In: -2237.495 $\pm$ 670.327 χ^2 /NDF: 33.8/22

+ sign 2769.249 $\pm$ 475.013 χ^2 /NDF: 64.8/56

All: 605.365 $\pm$ 336.507 χ^2 /NDF: 194.9/116

- sign -1574.630 $\pm$ 476.778 χ^2 /NDF: 88.5/59

asym_atr1_rms vs Slug



Right In: 3071.781+/-0.489 χ^2/NDF : 928281.2/31

Left Out: 2874.933+/-0.462 χ^2/NDF : 21788.8/24

Right Out: 3094.480+/-0.480 χ^2/NDF : 763072.1/36

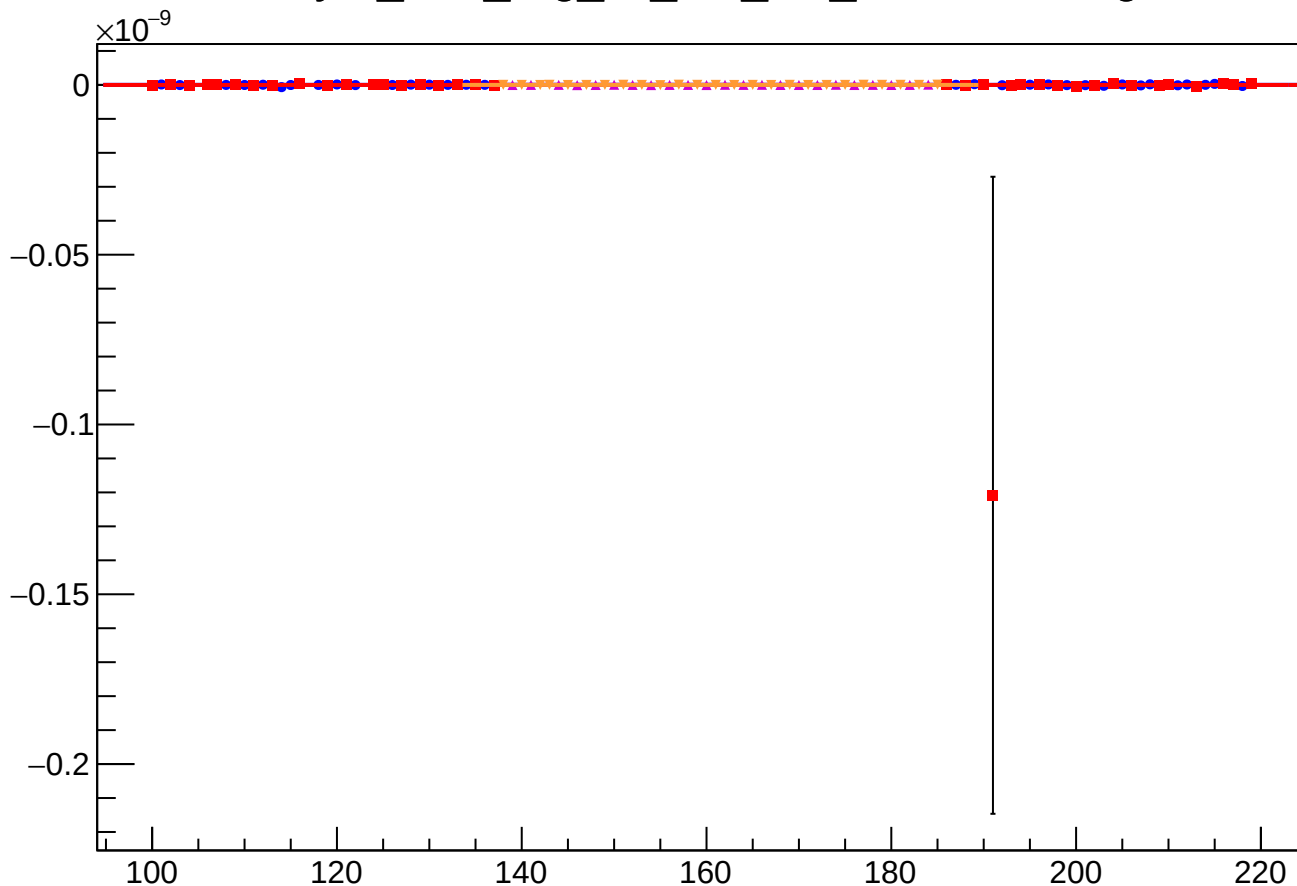
Left In: 2870.153+/-0.474 χ^2/NDF : 17687.5/22

+ sign 2967.709+/-0.336 χ^2/NDF : 1035653.2/56

All: 2974.327+/-0.238 χ^2/NDF : 1927865.0/11

- sign 2980.995+/-0.337 χ^2/NDF : 891432.4/59

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 28.2/31

Left Out: 0.000+/-0.000 χ^2/NDF :14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF : 47.6/36

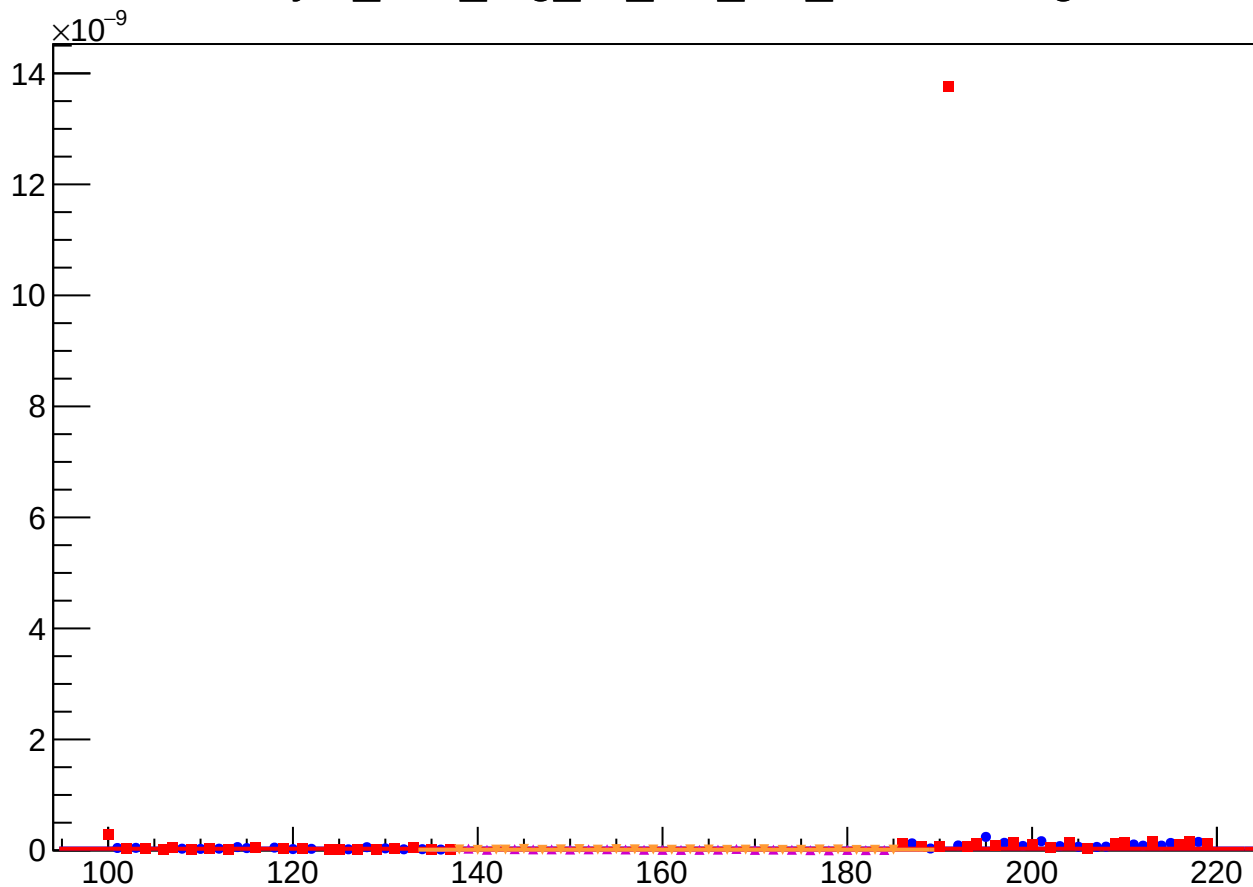
Left In: 0.000+/-0.000 χ^2/NDF :27.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 43.9/56

All: 0.000+/-0.000 χ^2/NDF : 120.6/116

- sign 0.000+/-0.000 χ^2/NDF : 76.7/59

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5795118.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6307441.4/36

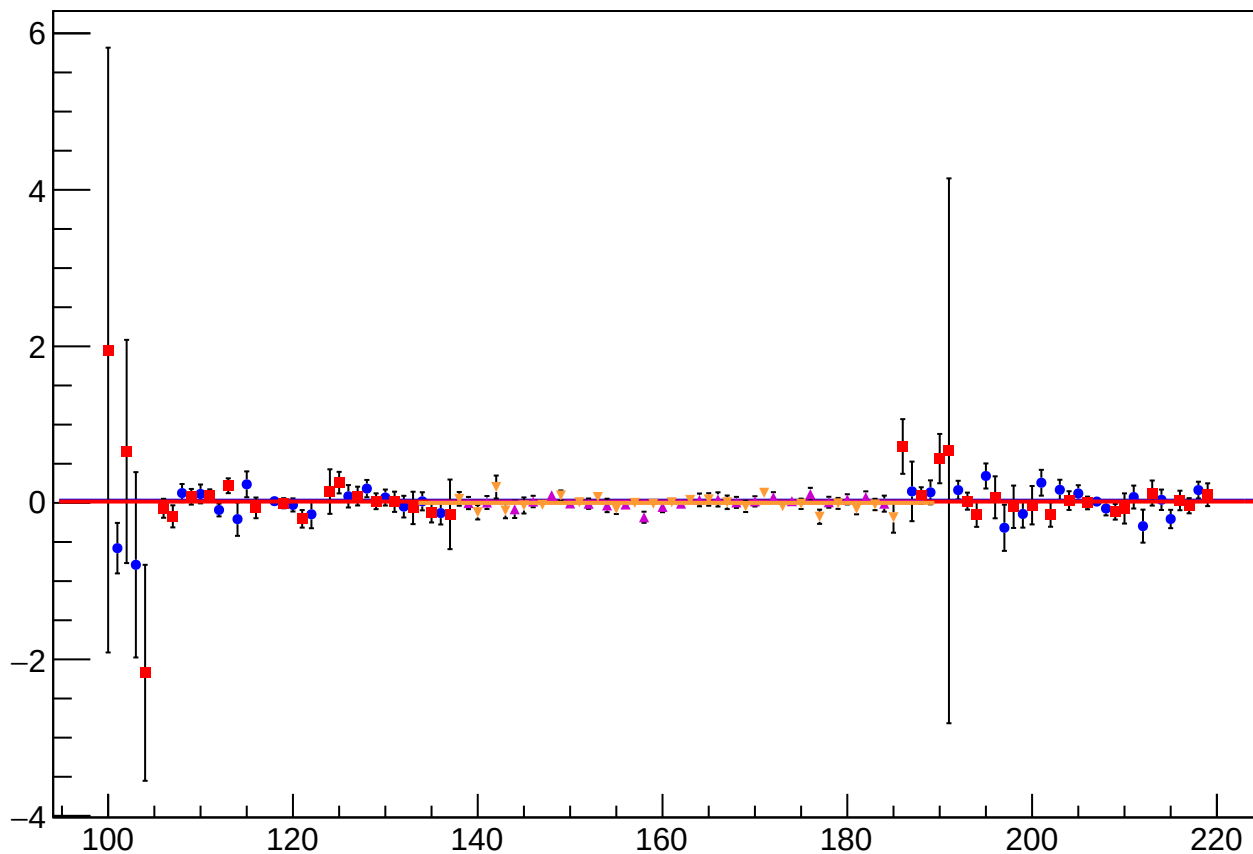
Left In: 0.000+/-0.000 χ^2/NDF : 3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 10316952.3/56

All: 0.000+/-0.000 χ^2/NDF : 23494061.2/116

- sign 0.000+/-0.000 χ^2/NDF : 12857860.5/59

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.020 χ^2 /NDF: 36.6/31

Left Out: -0.000 $\pm$ 0.014 χ^2 /NDF: 22.6/24

Right Out: 0.017 $\pm$ 0.021 χ^2 /NDF: 33.9/36

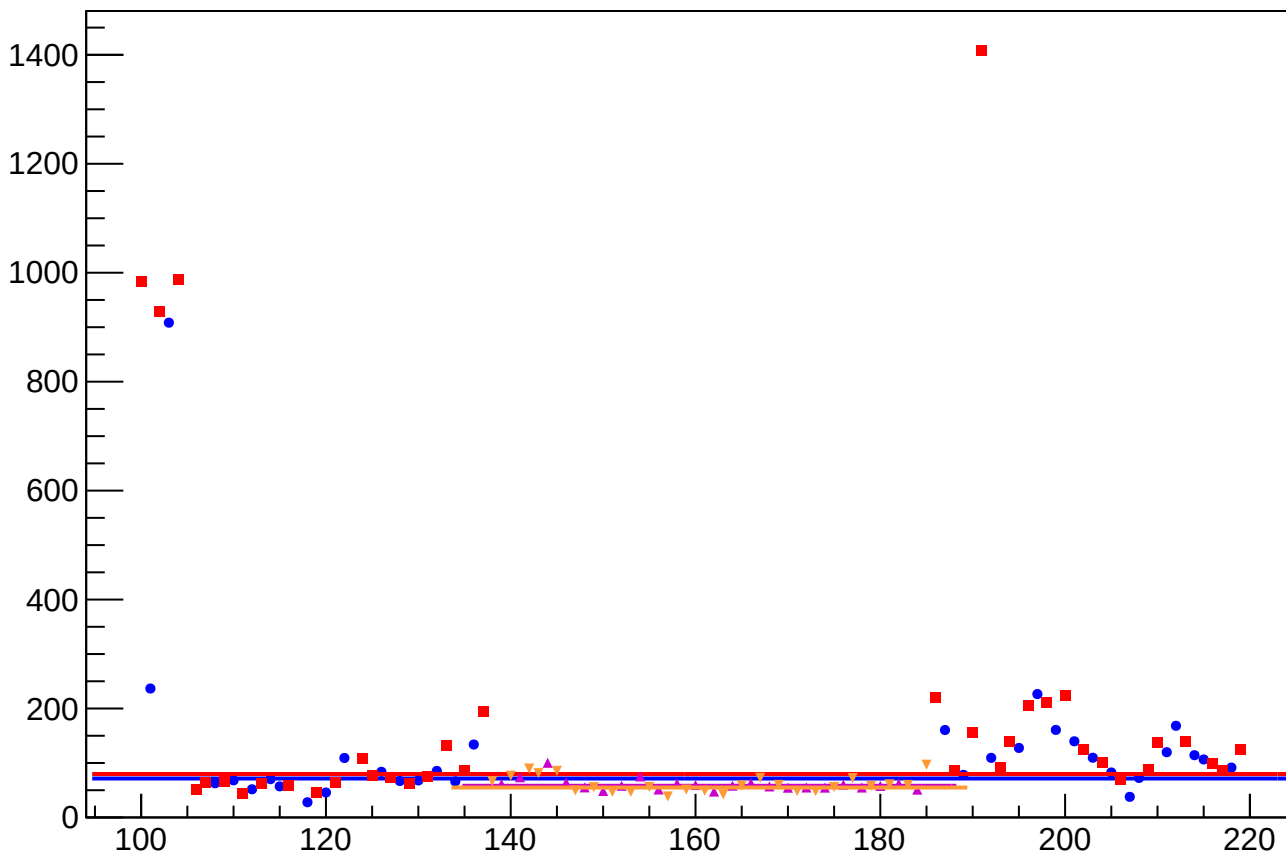
Left In: 0.008 $\pm$ 0.015 χ^2 /NDF: 15.5/22

+ sign 0.009 $\pm$ 0.012 χ^2 /NDF: 60.5/56

All: 0.010 $\pm$ 0.008 χ^2 /NDF: 110.0/116

- sign 0.011 $\pm$ 0.012 χ^2 /NDF: 49.5/59

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 71.486+/-0.014 χ^2/NDF : 7706653.1/31

Left Out: 54.931+/-0.010 χ^2/NDF : 1297647.2/24

Right Out: 79.747+/-0.015 χ^2/NDF : 7035325.5/36

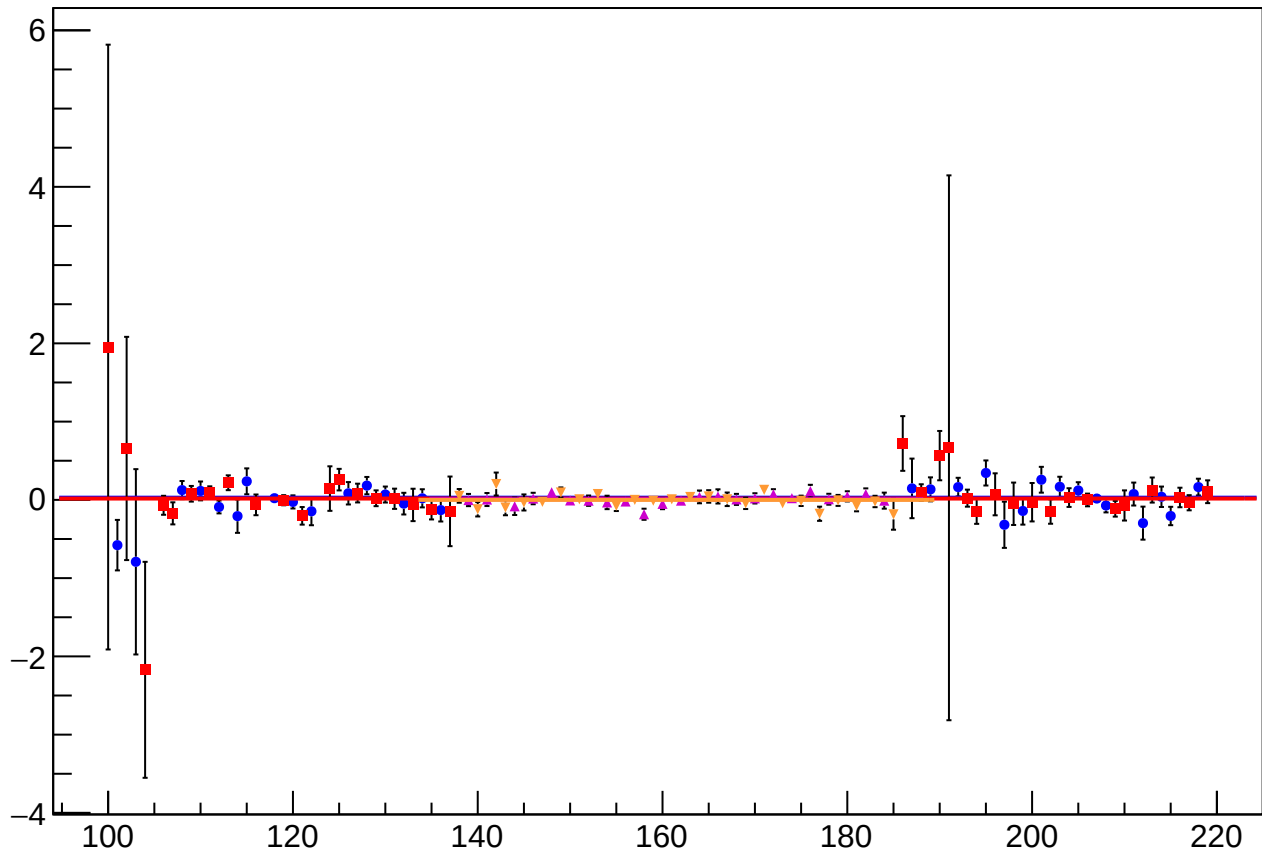
Left In: 58.138+/-0.010 χ^2/NDF : 657436.9/22

+ sign 60.300+/-0.008 χ^2/NDF : 9899175.5/56

All: 62.613+/-0.006 χ^2/NDF : 19141020.9/116

- sign 65.172+/-0.009 χ^2/NDF : 9073908.6/59

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.020 χ^2/NDF : 36.6/31

Left Out: -0.000 ± 0.014 χ^2/NDF : 22.6/24

Right Out: 0.017 ± 0.021 χ^2/NDF : 33.9/36

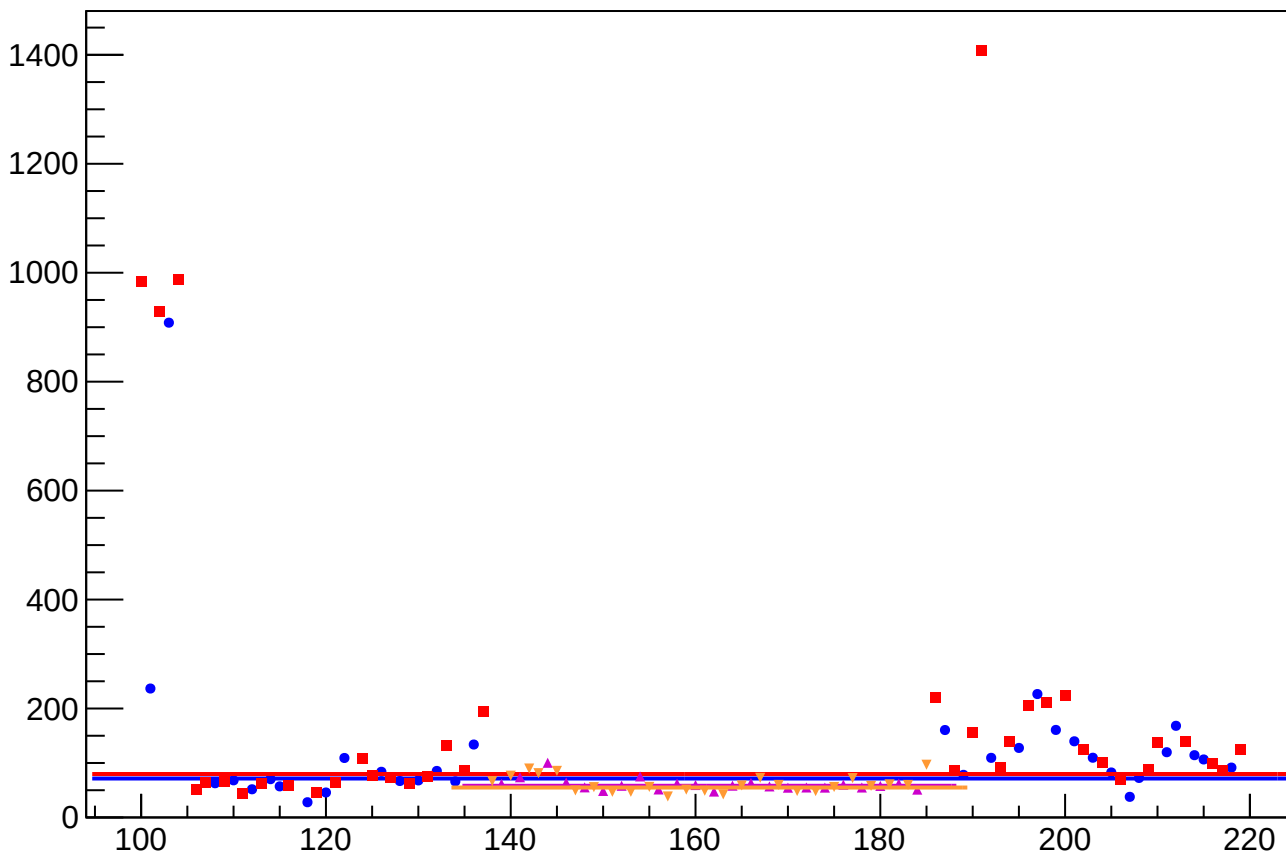
Left In: 0.008 ± 0.015 χ^2/NDF : 15.5/22

+ sign 0.009 ± 0.012 χ^2/NDF : 60.5/56

All: 0.010 ± 0.008 χ^2/NDF : 110.0/116

- sign 0.011 ± 0.012 χ^2/NDF : 49.5/59

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.486+/-0.014 χ^2/NDF : 7706653.1/31

Left Out: 54.931+/-0.010 χ^2/NDF : 1297647.2/24

Right Out: 79.747+/-0.015 χ^2/NDF : 7035325.5/36

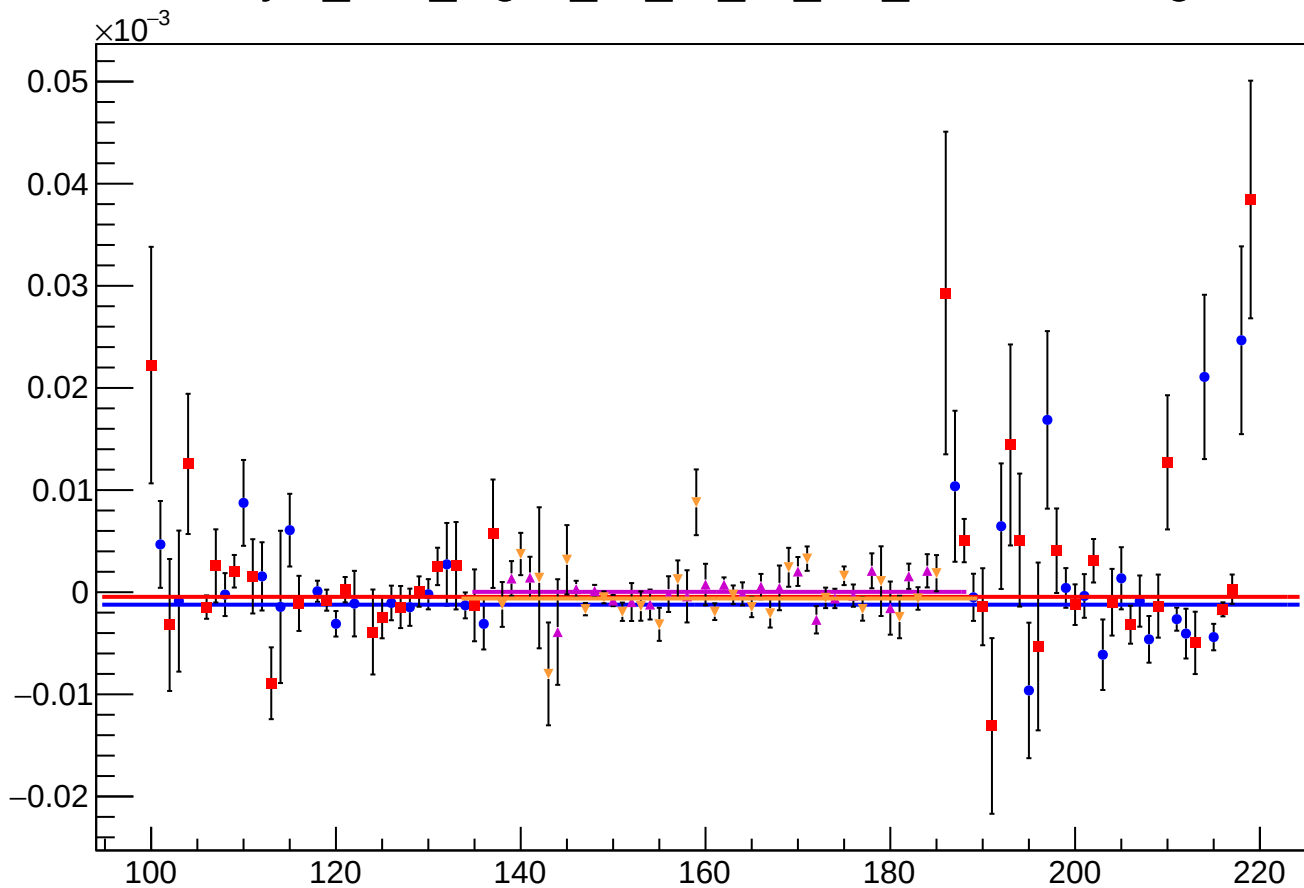
Left In: 58.138+/-0.010 χ^2/NDF : 657436.9/22

+ sign 60.300+/-0.008 χ^2/NDF : 9899175.5/56

All: 62.613+/-0.006 χ^2/NDF : 19141020.9/116

- sign 65.172+/-0.009 χ^2/NDF : 9073908.6/59

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 59.0/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 52.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 67.8/36

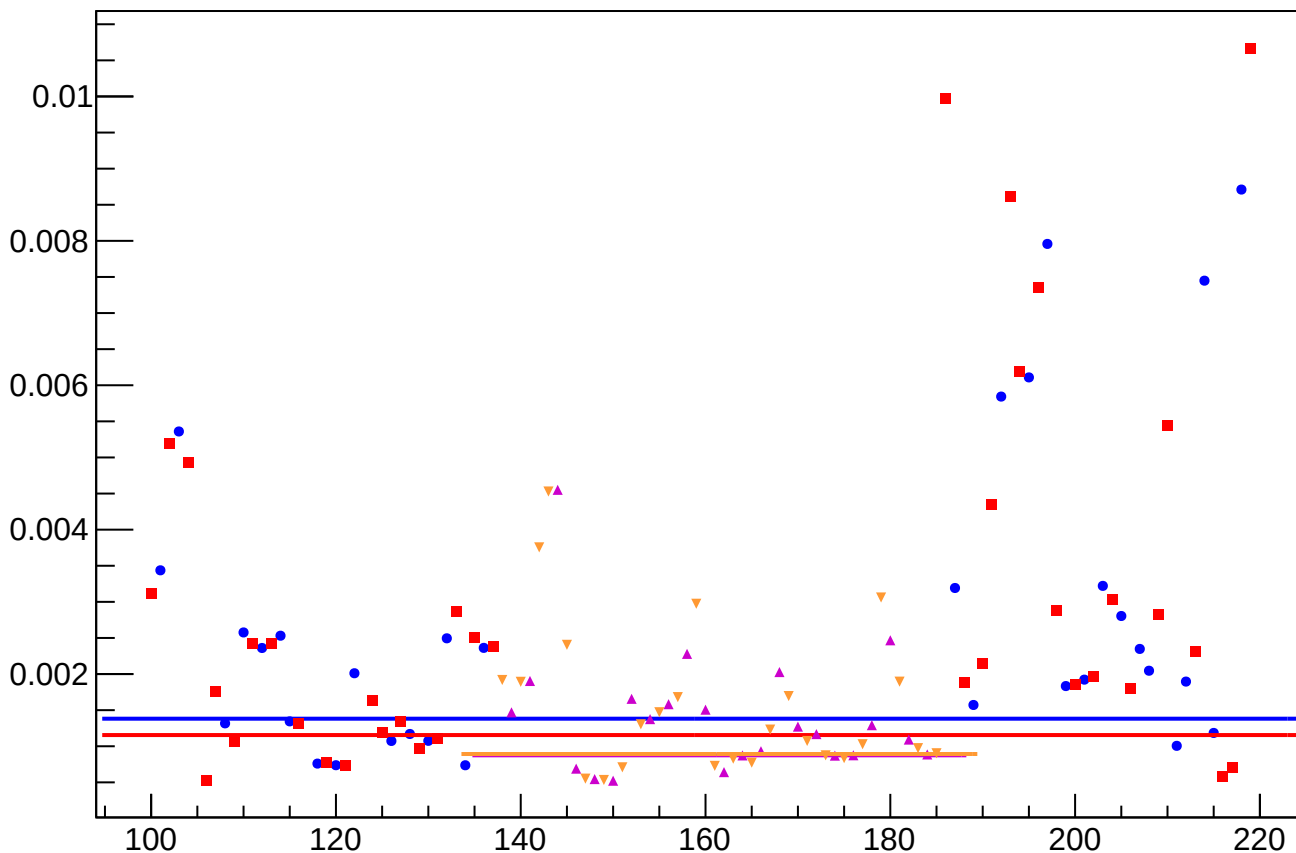
Left In: 0.000 ± 0.000 χ^2/NDF : 18.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 113.6/56

All: -0.000 ± 0.000 χ^2/NDF : 206.6/116

- sign -0.000 ± 0.000 χ^2/NDF : 87.4/59

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 11815379.6/31

Left Out: 0.001+/-0.000 χ^2/NDF : 7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF : 15112686.0/36

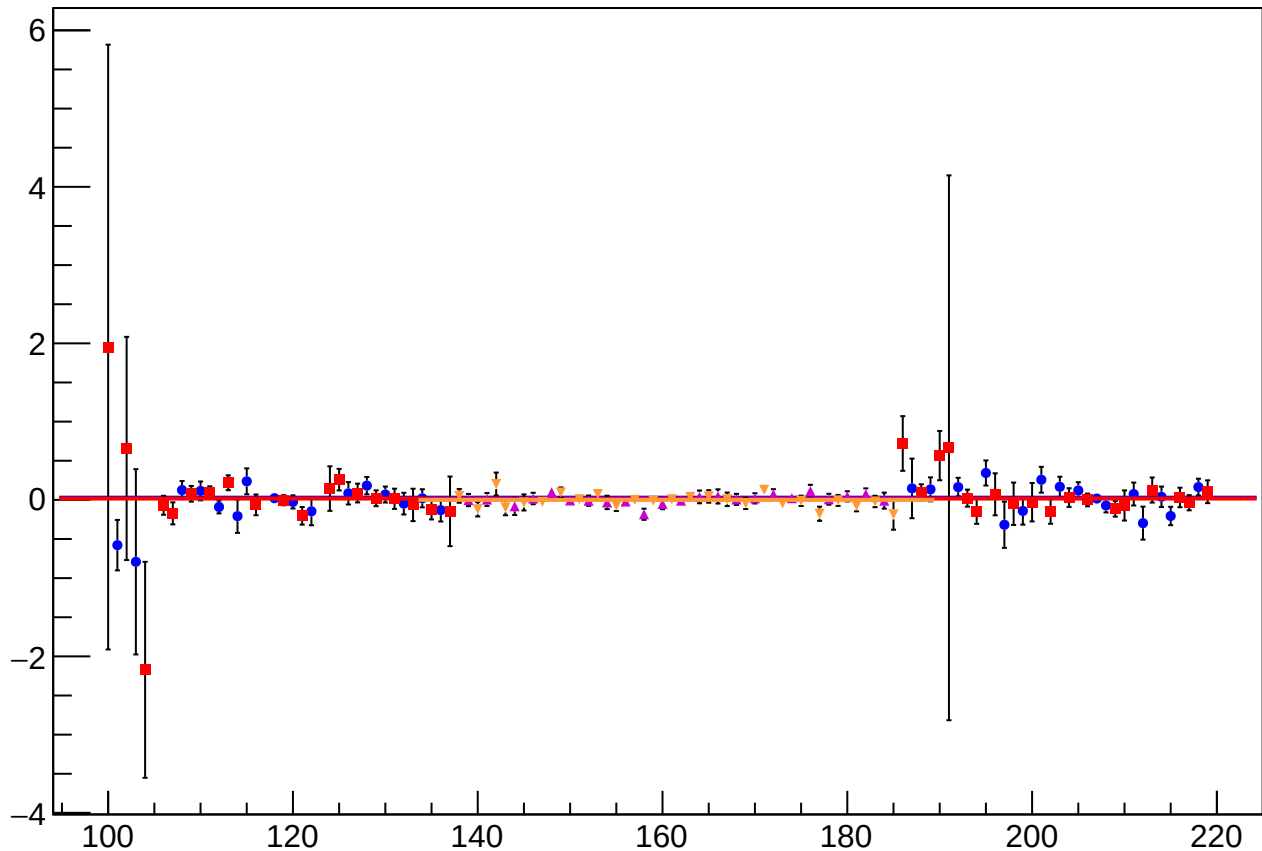
Left In: 0.001+/-0.000 χ^2/NDF : 6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF : 21986437.5/56

All: 0.001+/-0.000 χ^2/NDF : 45086026.5/116

- sign 0.001+/-0.000 χ^2/NDF : 23001748.1/59

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.020 χ^2/NDF : 36.6/31

Left Out: -0.000 ± 0.014 χ^2/NDF : 22.6/24

Right Out: 0.017 ± 0.021 χ^2/NDF : 33.9/36

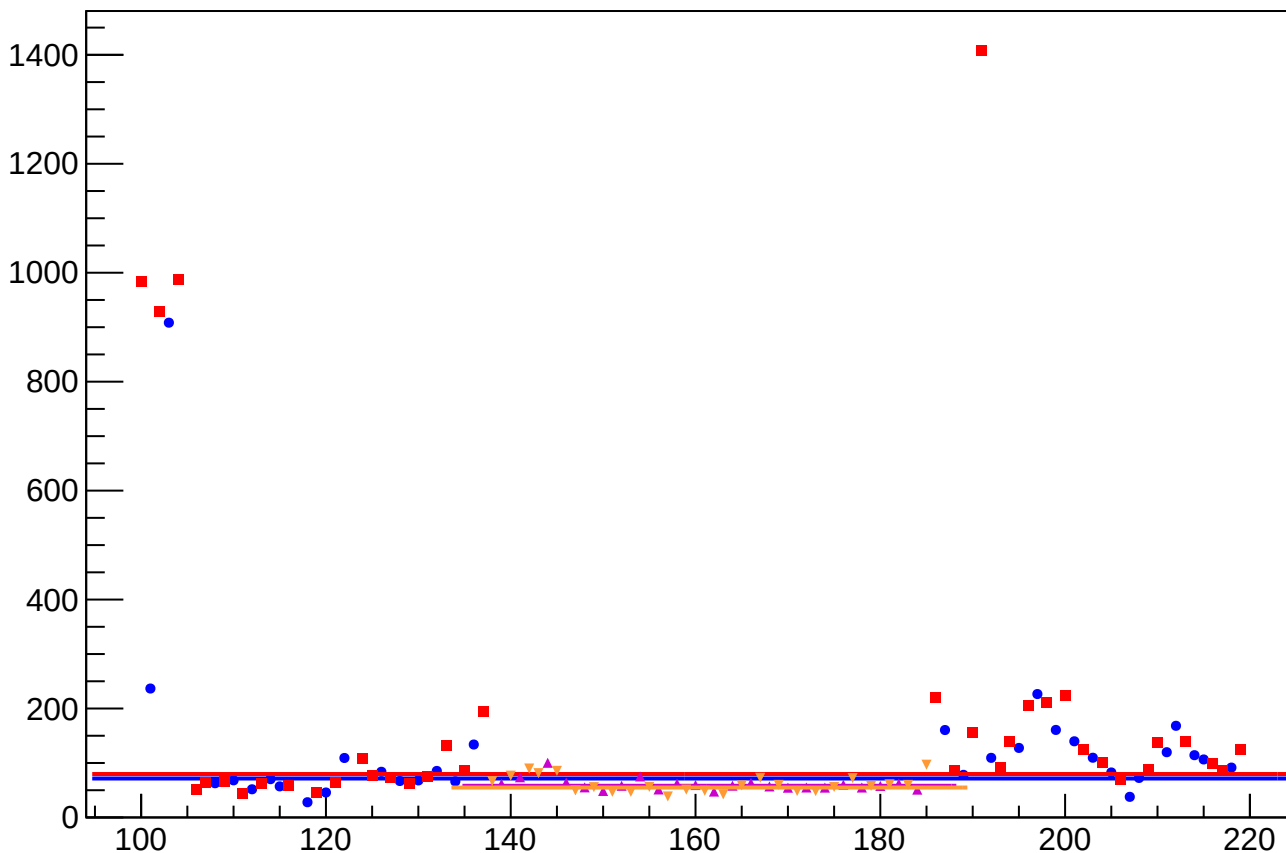
Left In: 0.008 ± 0.015 χ^2/NDF : 15.5/22

+ sign 0.009 ± 0.012 χ^2/NDF : 60.5/56

All: 0.010 ± 0.008 χ^2/NDF : 110.0/116

- sign 0.011 ± 0.012 χ^2/NDF : 49.5/59

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 71.485 ± 0.014 $\chi^2/\text{NDF}: 7706954.5/31$

Left Out: 54.930 ± 0.010 $\chi^2/\text{NDF}: 1297722.9/24$

Right Out: 79.747 ± 0.015 $\chi^2/\text{NDF}: 7035319.4/36$

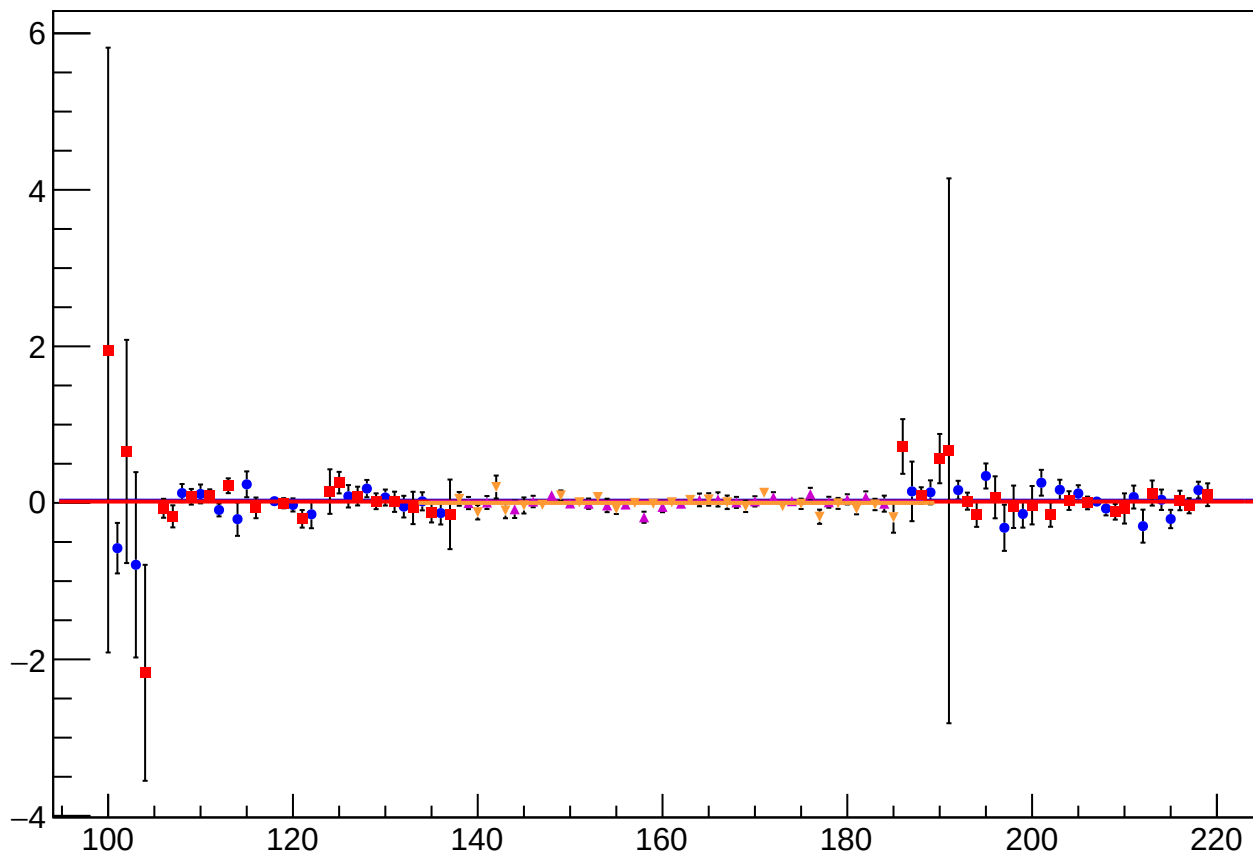
Left In: 58.138 ± 0.010 $\chi^2/\text{NDF}: 657460.3/22$

+ sign 60.299 ± 0.008 $\chi^2/\text{NDF}: 9899486.7/56$

All: 62.613 ± 0.006 $\chi^2/\text{NDF}: 19141360.2/116$

- sign 65.172 ± 0.009 $\chi^2/\text{NDF}: 9073894.0/59$

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.020 χ^2 /NDF: 36.6/31

Left Out: -0.000 $\pm$ 0.014 χ^2 /NDF:22.6/24

Right Out: 0.017 $\pm$ 0.021 χ^2 /NDF: 33.9/36

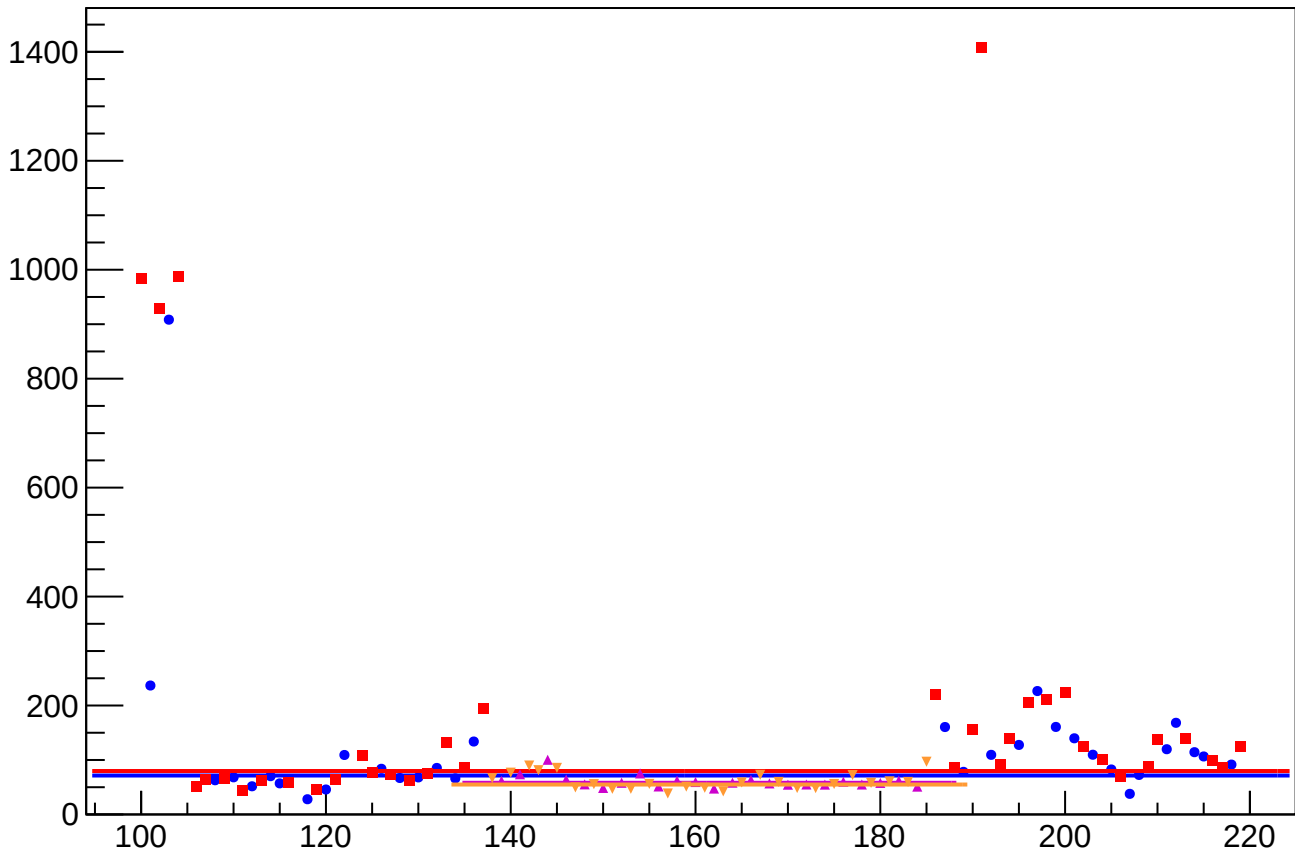
Left In: 0.008 $\pm$ 0.015 χ^2 /NDF:15.5/22

+ sign 0.009 $\pm$ 0.012 χ^2 /NDF: 60.5/56

All: 0.010 $\pm$ 0.008 χ^2 /NDF: 110.0/116

- sign 0.011 $\pm$ 0.012 χ^2 /NDF: 49.5/59

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.485+/-0.014 χ^2/NDF : 7706954.5/31

Left Out: 54.930+/-0.010 χ^2/NDF : 1297722.9/24

Right Out: 79.747+/-0.015 χ^2/NDF : 7035319.4/36

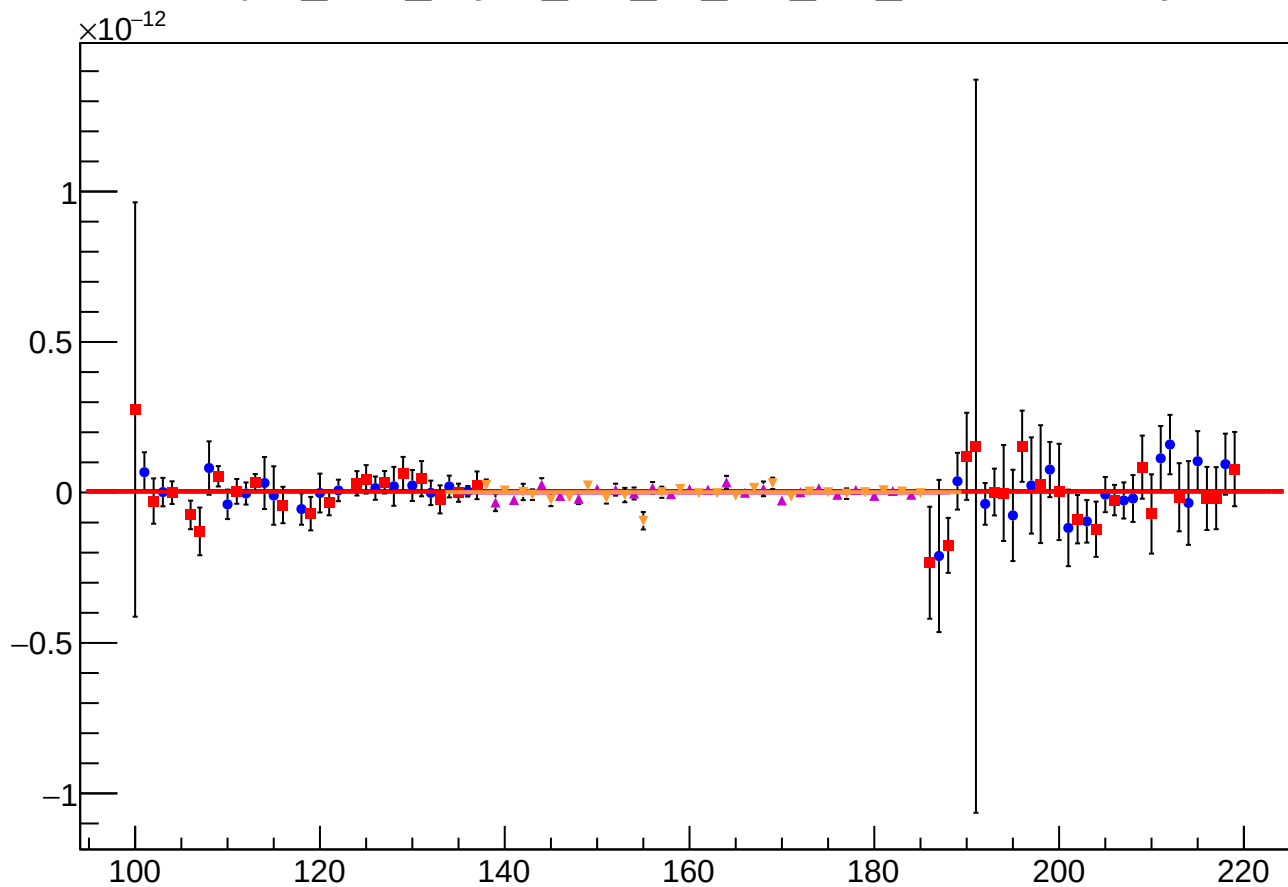
Left In: 58.138+/-0.010 χ^2/NDF : 657460.3/22

+ sign 60.299+/-0.008 χ^2/NDF : 9899486.7/56

All: 62.613+/-0.006 χ^2/NDF : 19141360.2/116

- sign 65.172+/-0.009 χ^2/NDF : 9073894.0/59

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 15.2/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 28.9/36

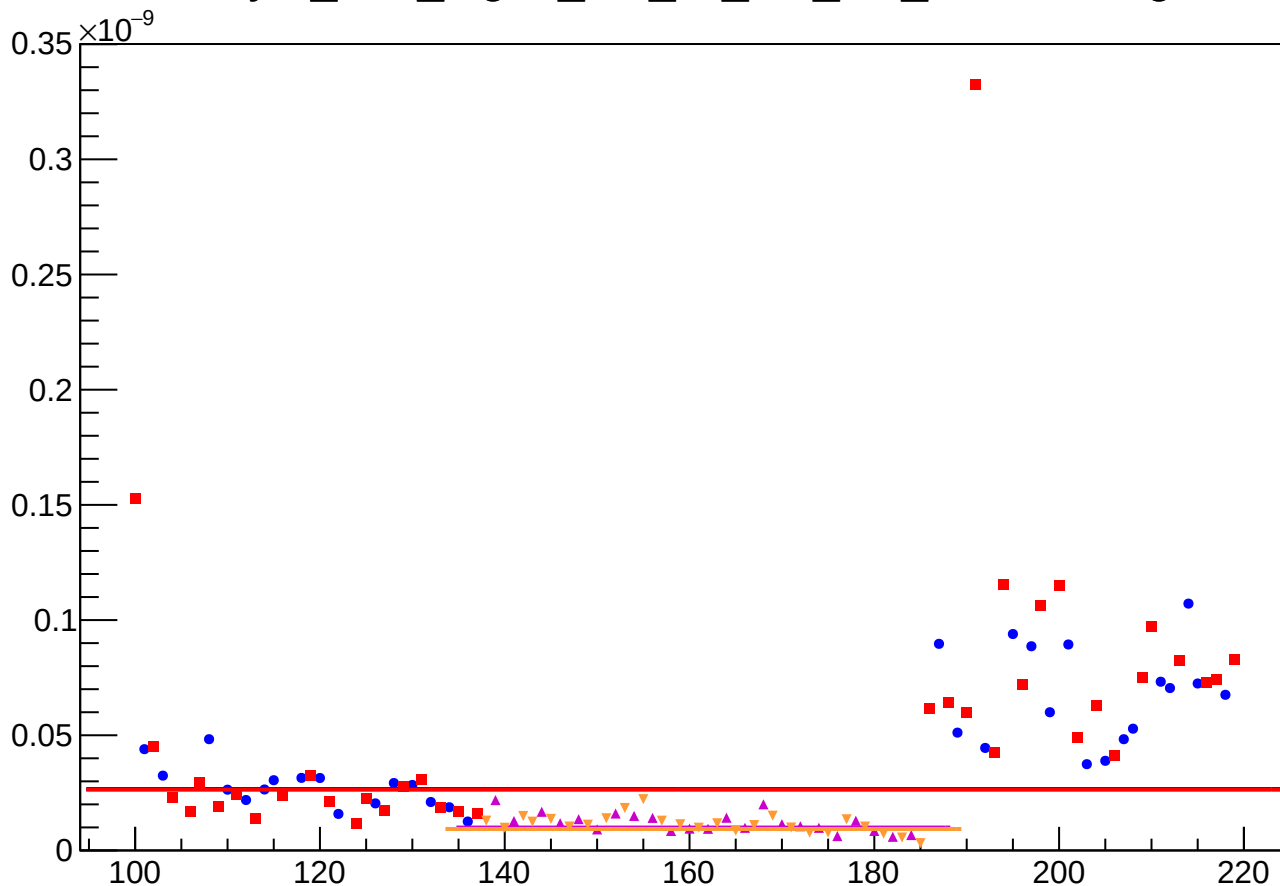
Left In: -0.000 ± 0.000 χ^2/NDF : 20.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 40.7/56

All: 0.000 ± 0.000 χ^2/NDF : 90.0/116

- sign 0.000 ± 0.000 χ^2/NDF : 49.2/59

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6664223.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7585796.0/36

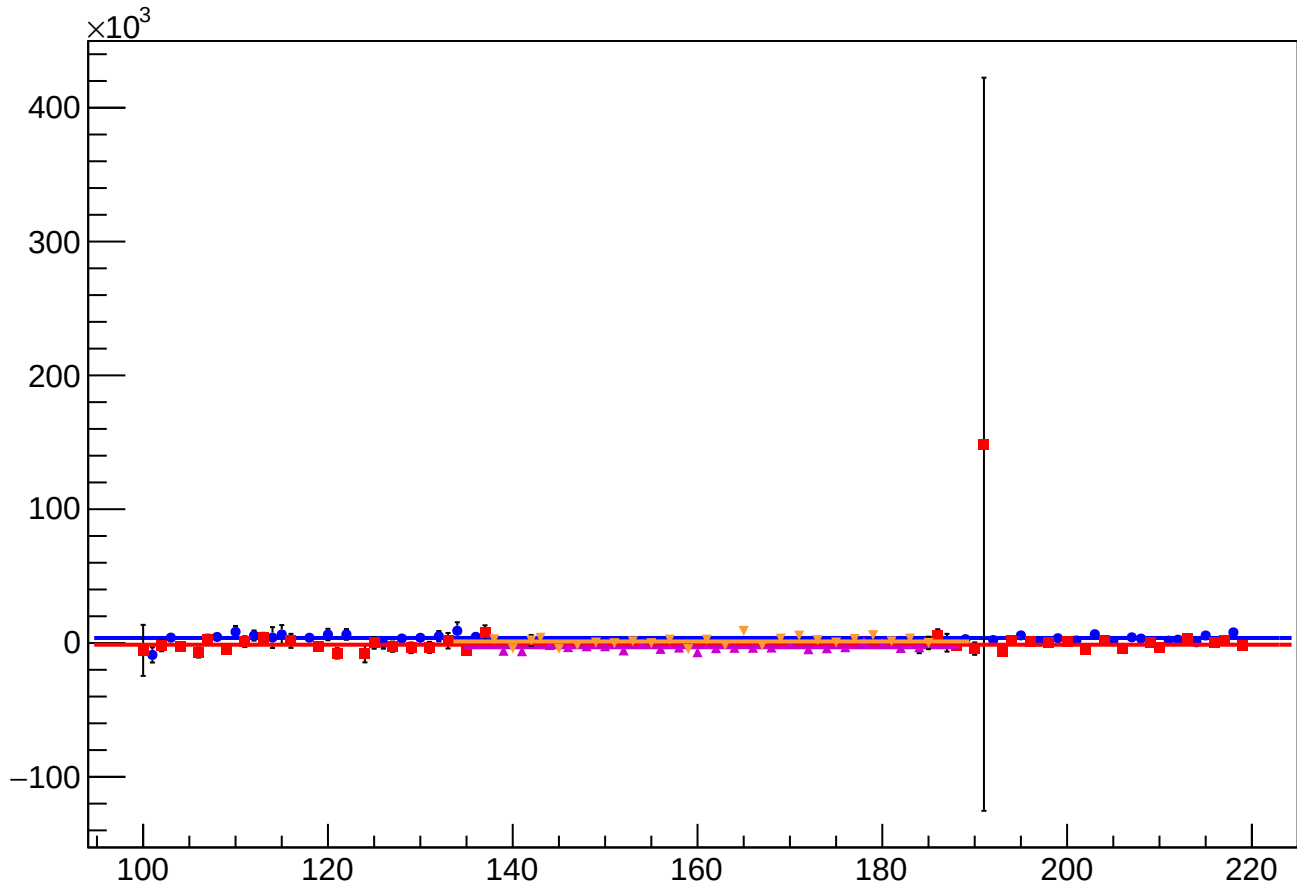
Left In: 0.000+/-0.000 χ^2/NDF : 2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 16091342.1/56

All: 0.000+/-0.000 χ^2/NDF : 31949657.3/116

- sign 0.000+/-0.000 χ^2/NDF : 15790581.0/59

reg_asym_atr2_mean vs Slug



Right In: 3780.168 $\pm$ 598.356 χ^2 /NDF: 16.9/31

Left Out: 1188.836 $\pm$ 556.242 χ^2 /NDF: 31.1/24

Right Out: -1252.244 $\pm$ 583.074 χ^2 /NDF: 33.1/36

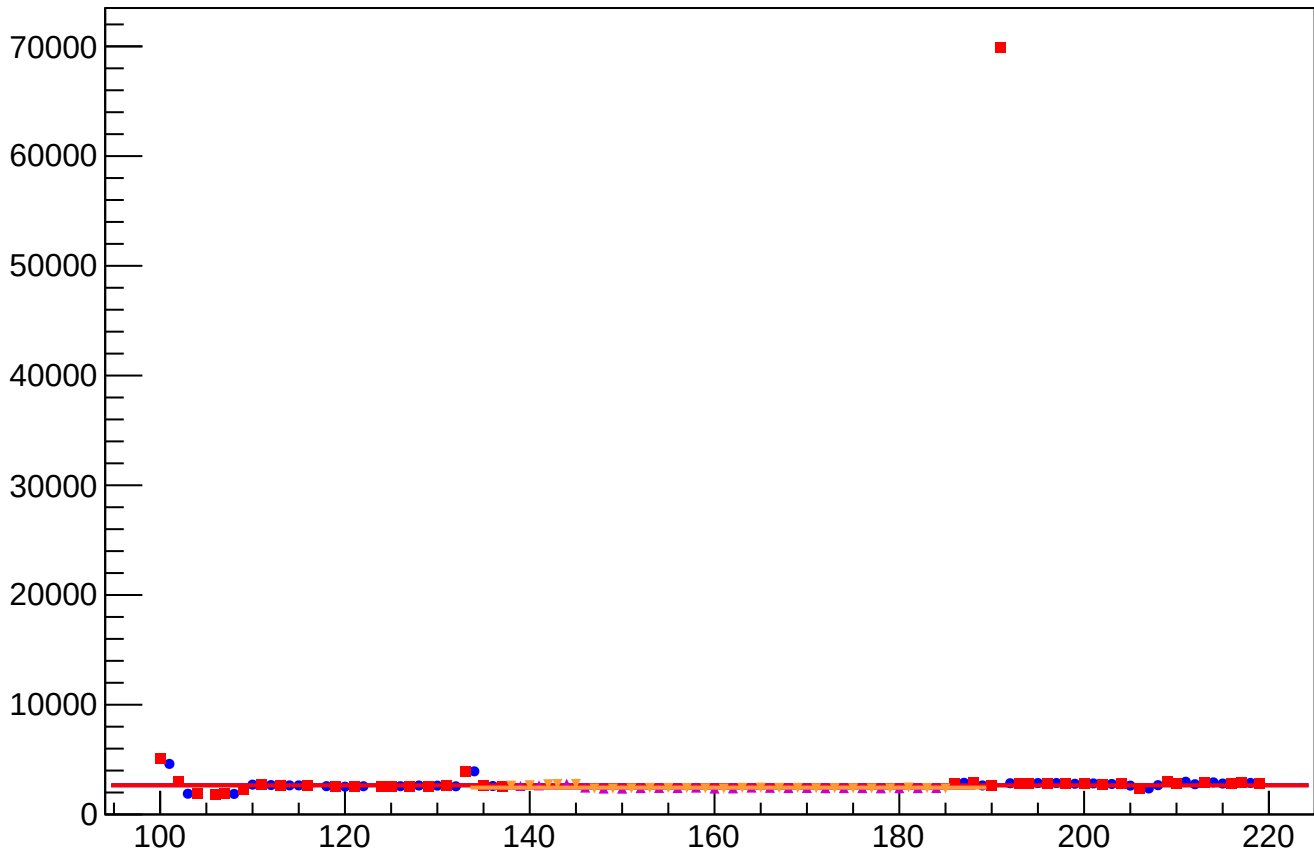
Left In: -3147.419 $\pm$ 569.221 χ^2 /NDF: 12.7/22

+ sign 2390.107 $\pm$ 407.398 χ^2 /NDF: 58.1/56

All: 83.247 $\pm$ 288.043 χ^2 /NDF: 173.4/116

- sign -2222.612 $\pm$ 407.310 χ^2 /NDF: 51.2/59

reg_asym_atr2_rms vs Slug



Right In: 2663.088+/-0.423 χ^2/NDF : 781731.4/31

Left Out: 2445.826+/-0.393 χ^2/NDF : 90014.8/24

Right Out: 2654.640+/-0.412 χ^2/NDF : 826857.4/36

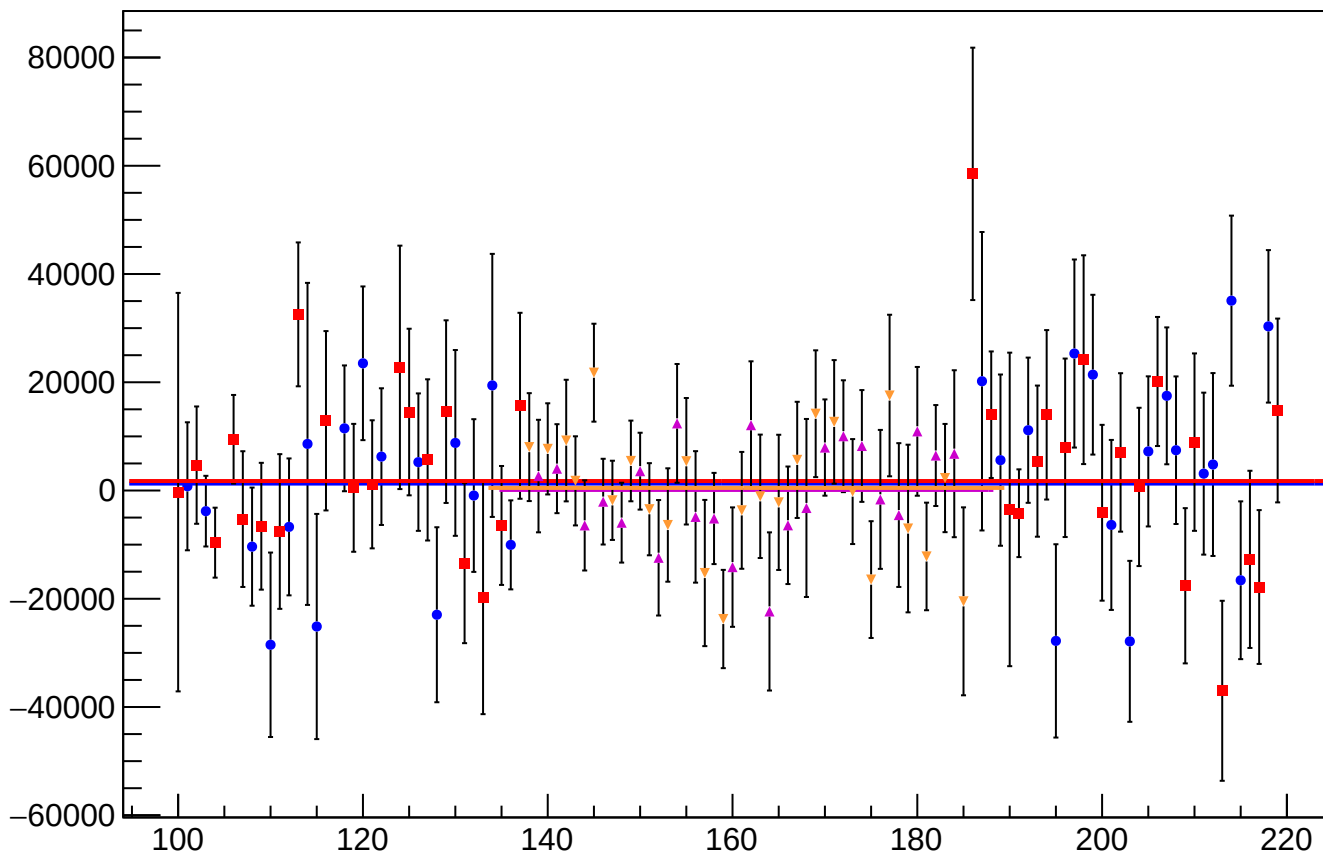
Left In: 2435.950+/-0.403 χ^2/NDF : 59189.9/22

+ sign 2546.543+/-0.288 χ^2/NDF : 1013192.5/56

All: 2544.604+/-0.204 χ^2/NDF : 2043384.7/11

- sign 2542.666+/-0.288 χ^2/NDF : 1030101.7/59

asym_atr2_reg_correction_mean vs Slug



Right In: 1282.992 $\pm$ 2391.828 χ^2 /NDF: 39.3/31

Left Out: 477.187 $\pm$ 2035.969 χ^2 /NDF:27.4/24

Right Out: 1751.778 $\pm$ 2189.805 χ^2 /NDF: 39.7/36

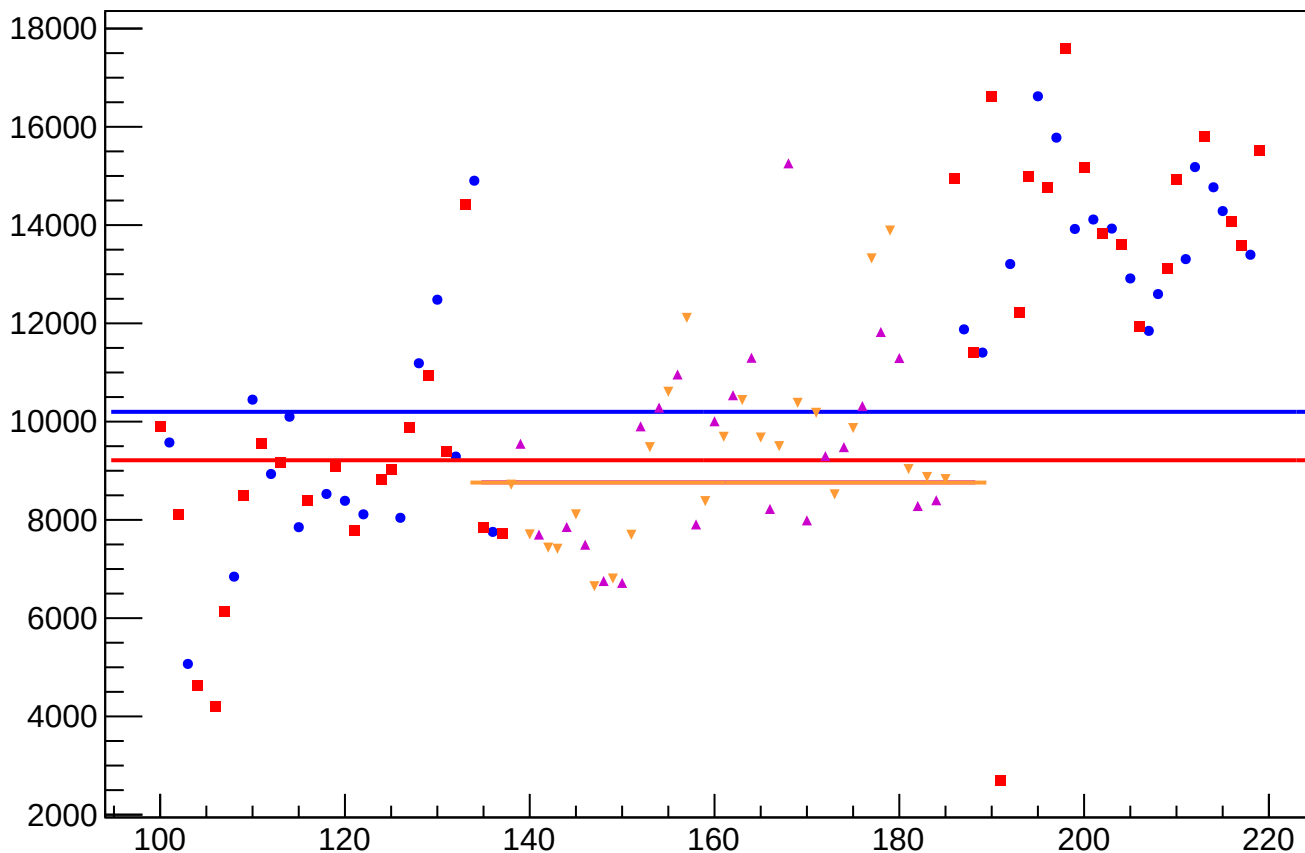
Left In: 104.954 $\pm$ 2090.899 χ^2 /NDF:14.5/22

+ sign 815.743 $\pm$ 1550.352 χ^2 /NDF: 66.8/56

All: 853.968 $\pm$ 1082.540 χ^2 /NDF: 121.3/116

- sign 890.336 $\pm$ 1512.246 χ^2 /NDF: 54.5/59

asym_atr2_reg_correction_rms vs Slug



Right In: 10199.400+/-1.691 χ^2/NDF : 3788724.5/31

Left Out: 8759.635+/-1.440 χ^2/NDF :1222238.0/24

Right Out: 9213.718+/-1.548 χ^2/NDF : 6812899.1/36

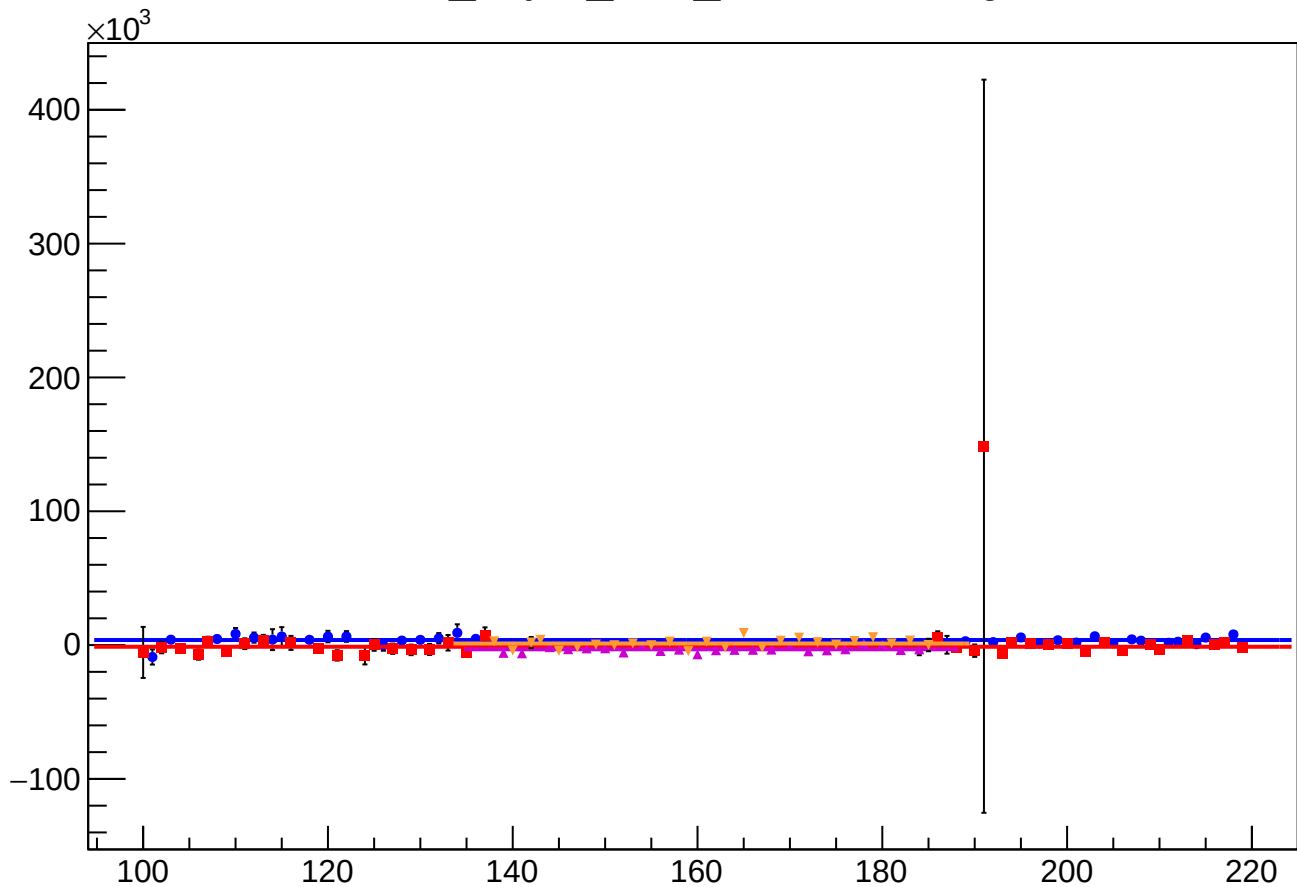
Left In: 8764.138+/-1.478 χ^2/NDF :1291698.9/22

+ sign 9364.547+/-1.096 χ^2/NDF : 5431177.6/56

All: 9166.745+/-0.765 χ^2/NDF : 13643404.5/100

- sign 8978.546+/-1.069 χ^2/NDF : 8148695.4/59

cor_asym_atr2_mean vs Slug



Right In: 3780.053 ± 598.357 χ^2/NDF : 16.9/31

Left Out: 1188.666 ± 556.242 χ^2/NDF : 31.1/24

Right Out: -1252.564 ± 583.076 χ^2/NDF : 33.1/36

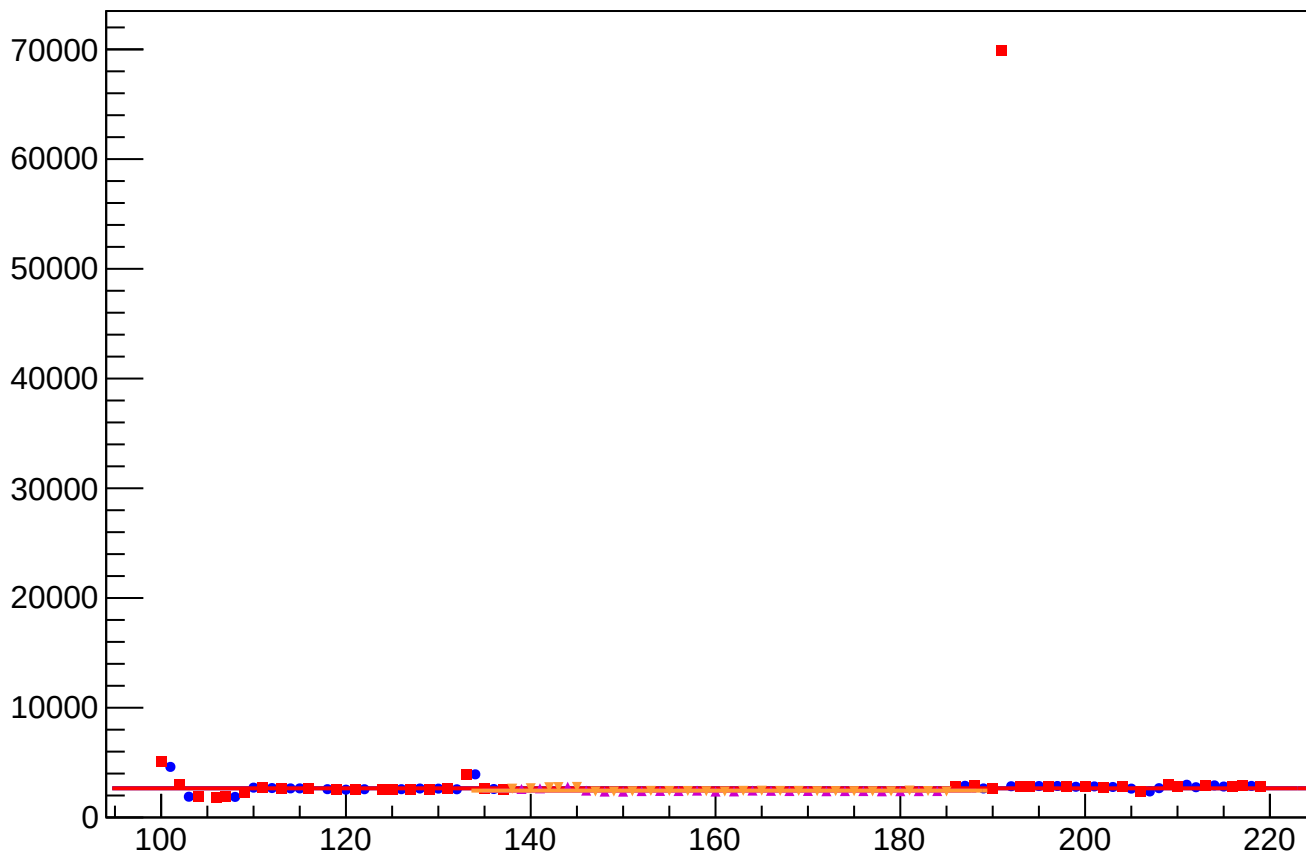
Left In: -3147.222 ± 569.221 χ^2/NDF : 12.7/22

+ sign 2389.962 ± 407.398 χ^2/NDF : 58.1/56

All: 83.149 ± 288.043 χ^2/NDF : 173.4/116

- sign -2222.670 ± 407.310 χ^2/NDF : 51.2/59

cor_asym_atr2_rms vs Slug



Right In: 2663.089+/-0.423 χ^2/NDF : 781728.5/31

Left Out: 2445.826+/-0.393 χ^2/NDF : 90014.8/24

Right Out: 2654.651+/-0.412 χ^2/NDF : 826778.0/36

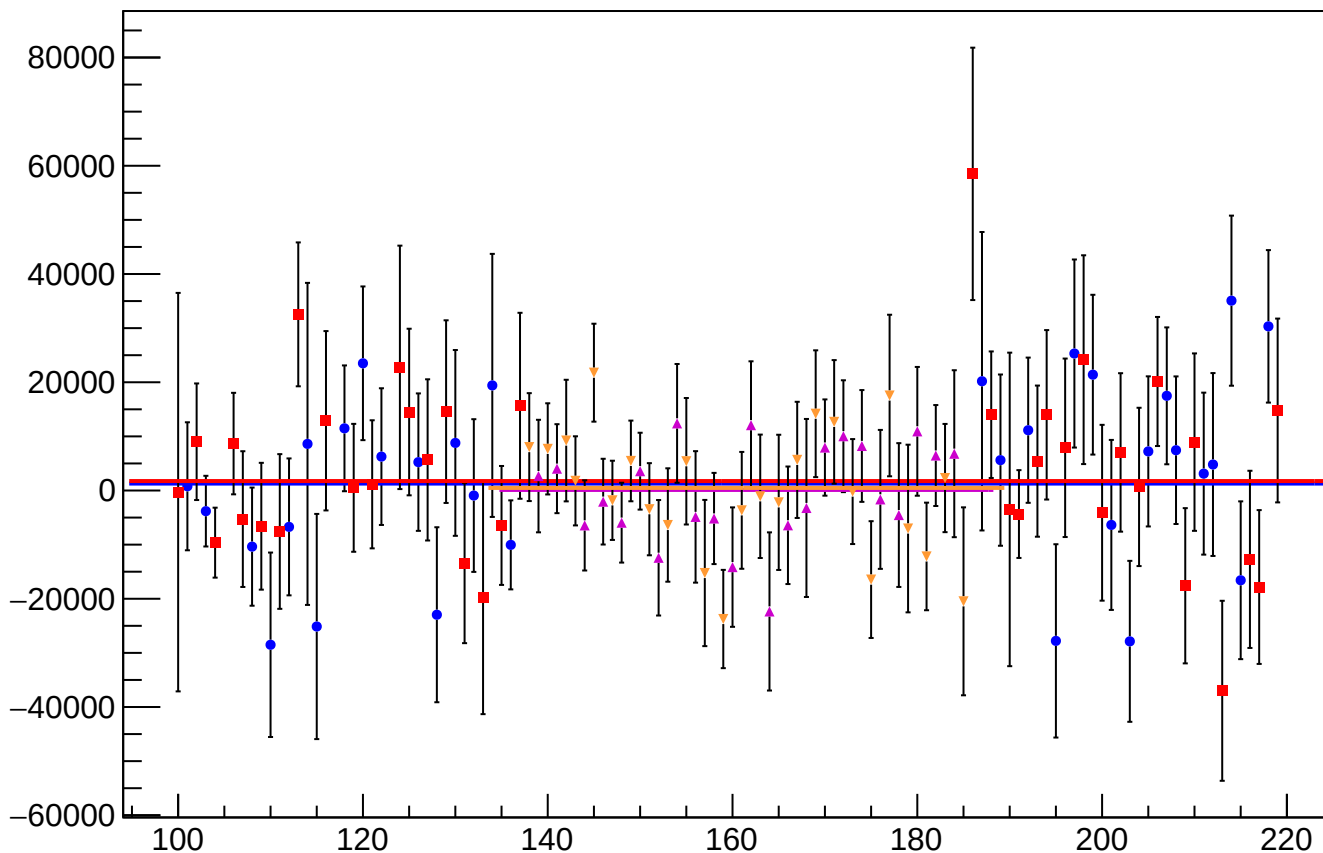
Left In: 2435.950+/-0.403 χ^2/NDF : 59189.9/22

+ sign 2546.543+/-0.288 χ^2/NDF : 1013190.1/56

All: 2544.607+/-0.204 χ^2/NDF : 2043316.7/11

- sign 2542.671+/-0.288 χ^2/NDF : 1030036.3/59

asym_atr2_cor_correction_mean vs Slug



Right In: 1283.348 $\pm$ 2391.869 χ^2 /NDF: 39.3/31

Left Out: 477.198 $\pm$ 2035.967 χ^2 /NDF:27.4/24

Right Out: 1746.945 $\pm$ 2208.167 χ^2 /NDF: 39.8/36

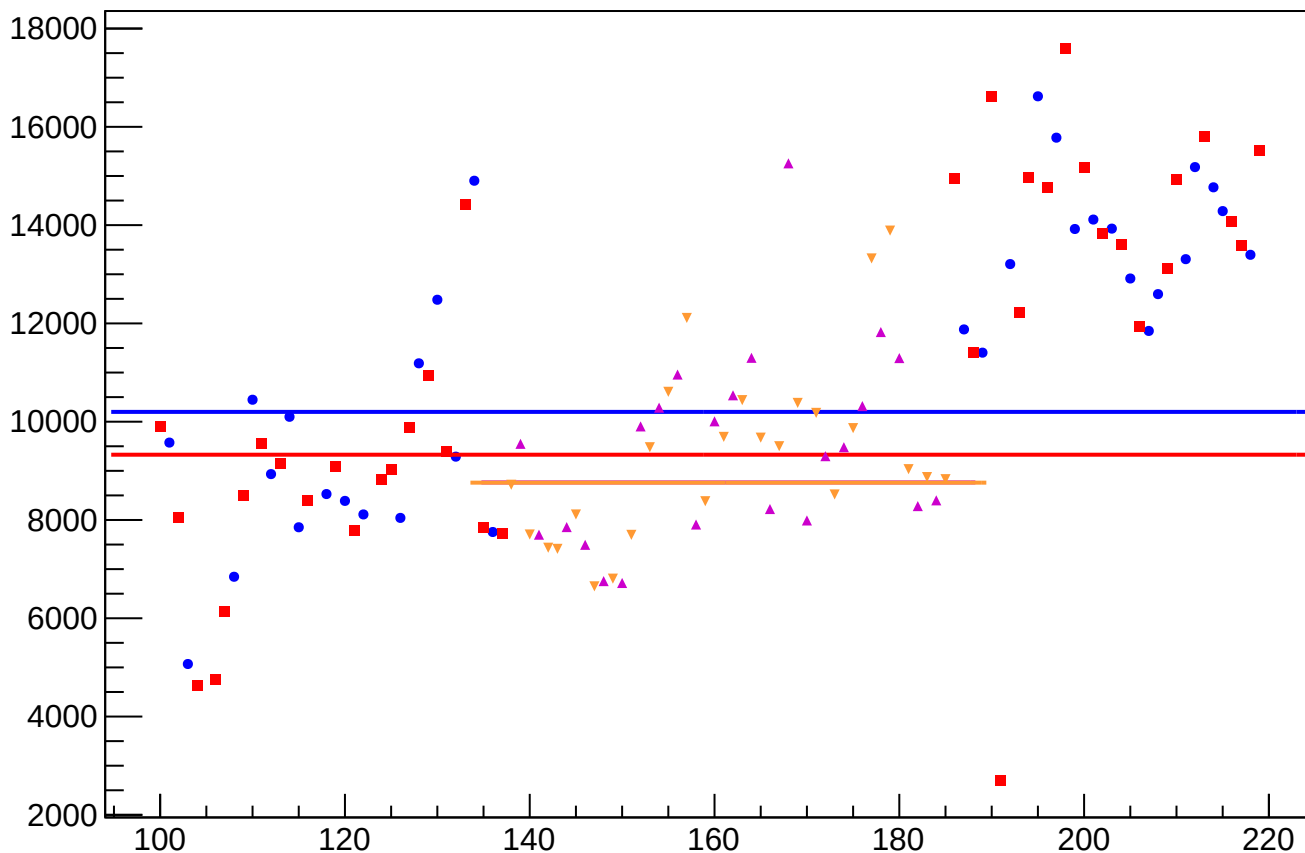
Left In: 105.025 $\pm$ 2090.897 χ^2 /NDF:14.5/22

+ sign 815.892 $\pm$ 1550.362 χ^2 /NDF: 66.8/56

All: 849.245 $\pm$ 1084.741 χ^2 /NDF: 121.4/116

- sign 881.230 $\pm$ 1518.253 χ^2 /NDF: 54.6/59

asym_atr2_cor_correction_rms vs Slug



Right In: 10199.672 $\pm$ 1.691 χ^2 /NDF: 3788057.0/31

Left Out: 8759.625 $\pm$ 1.440 χ^2 /NDF:1222248.8/24

Right Out: 9328.249 $\pm$ 1.561 χ^2 /NDF: 6509798.6/36

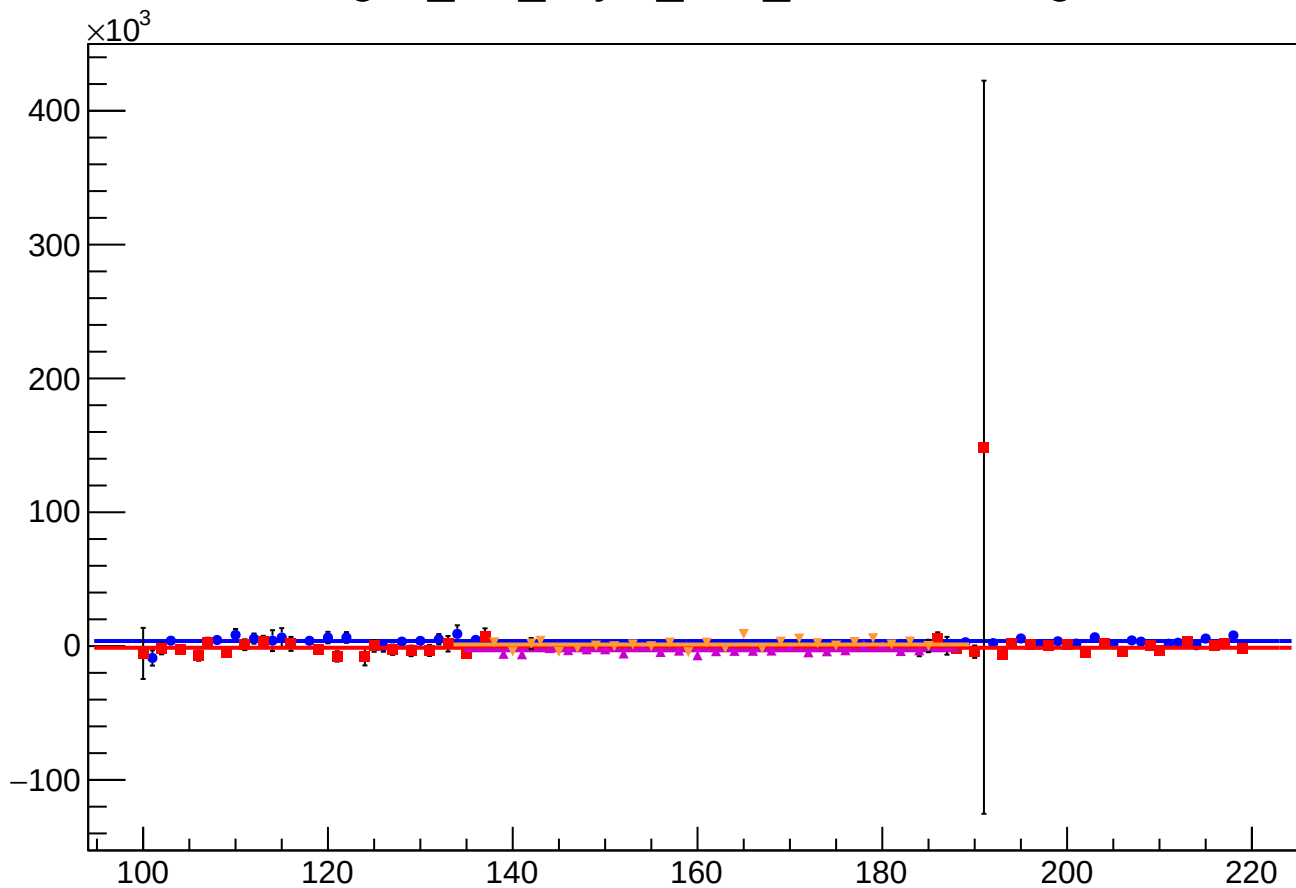
Left In: 8764.132 $\pm$ 1.478 χ^2 /NDF:1291700.3/22

+ sign 9364.643 $\pm$ 1.096 χ^2 /NDF: 5430677.1/56

All: 9194.236 $\pm$ 0.767 χ^2 /NDF: 13348332.2/1

- sign 9030.815 $\pm$ 1.074 χ^2 /NDF: 7870321.0/59

eigen_cor_asym_atr2_mean vs Slug



Right In: 3780.053+/-598.357 χ^2/NDF : 16.9/31

Left Out: 1188.666+/-556.242 χ^2/NDF : 31.1/24

Right Out: -1252.564+/-583.076 χ^2/NDF : 33.1/36

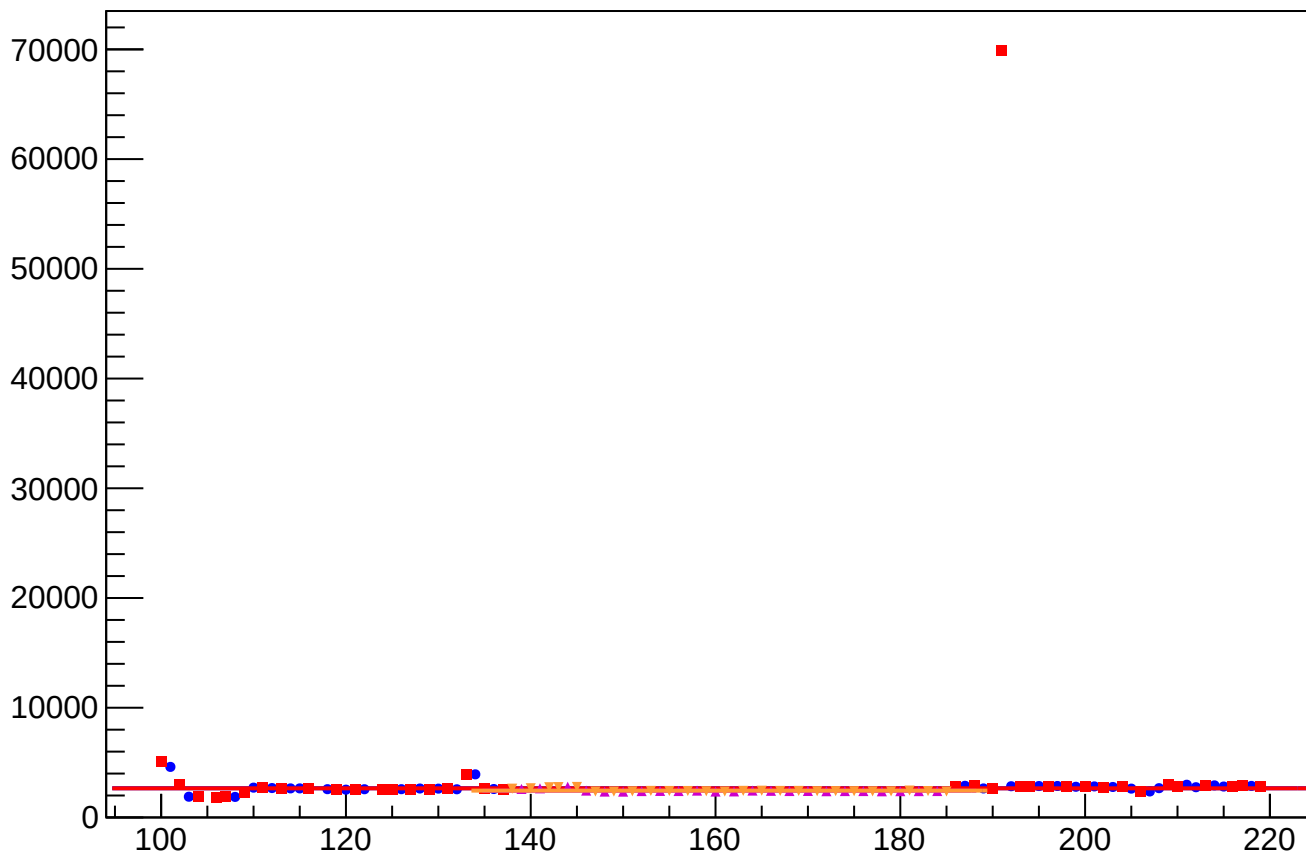
Left In: -3147.222+/-569.221 χ^2/NDF : 12.7/22

+ sign 2389.962+/-407.398 χ^2/NDF : 58.1/56

All: 83.149+/-288.043 χ^2/NDF : 173.4/116

- sign -2222.670+/-407.310 χ^2/NDF : 51.2/59

eigen_cor_asym_atr2_rms vs Slug



Right In: 2663.089+/-0.423 χ^2/NDF : 781728.5/31

Left Out: 2445.826+/-0.393 χ^2/NDF : 90014.8/24

Right Out: 2654.651+/-0.412 χ^2/NDF : 826778.0/36

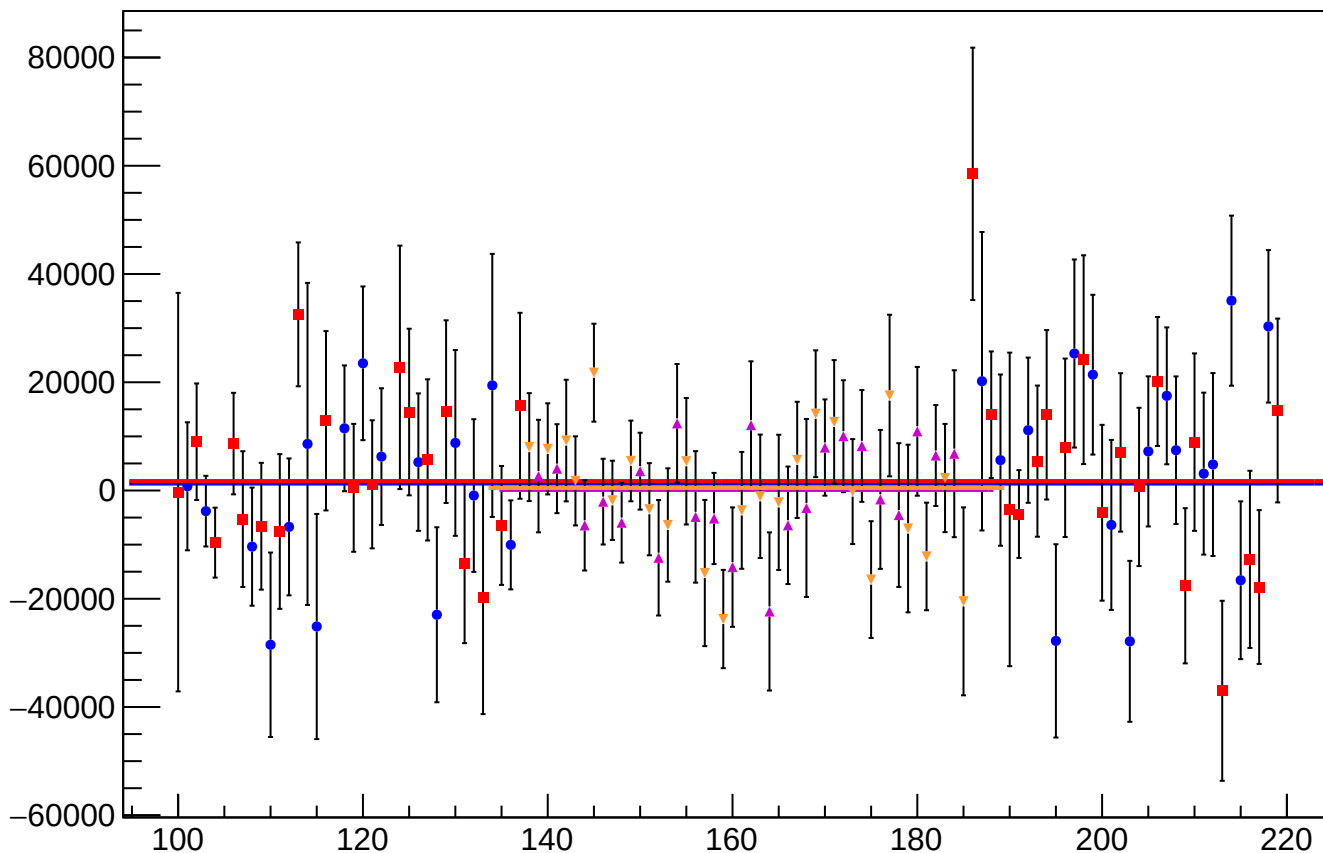
Left In: 2435.950+/-0.403 χ^2/NDF : 59189.9/22

+ sign 2546.543+/-0.288 χ^2/NDF : 1013190.1/56

All: 2544.607+/-0.204 χ^2/NDF : 2043316.7/11

- sign 2542.671+/-0.288 χ^2/NDF : 1030036.3/59

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: 1283.348 $\pm$ 2391.869 χ^2 /NDF: 39.3/31

Left Out: 477.198 $\pm$ 2035.967 χ^2 /NDF:27.4/24

Right Out: 1746.945 $\pm$ 2208.167 χ^2 /NDF: 39.8/36

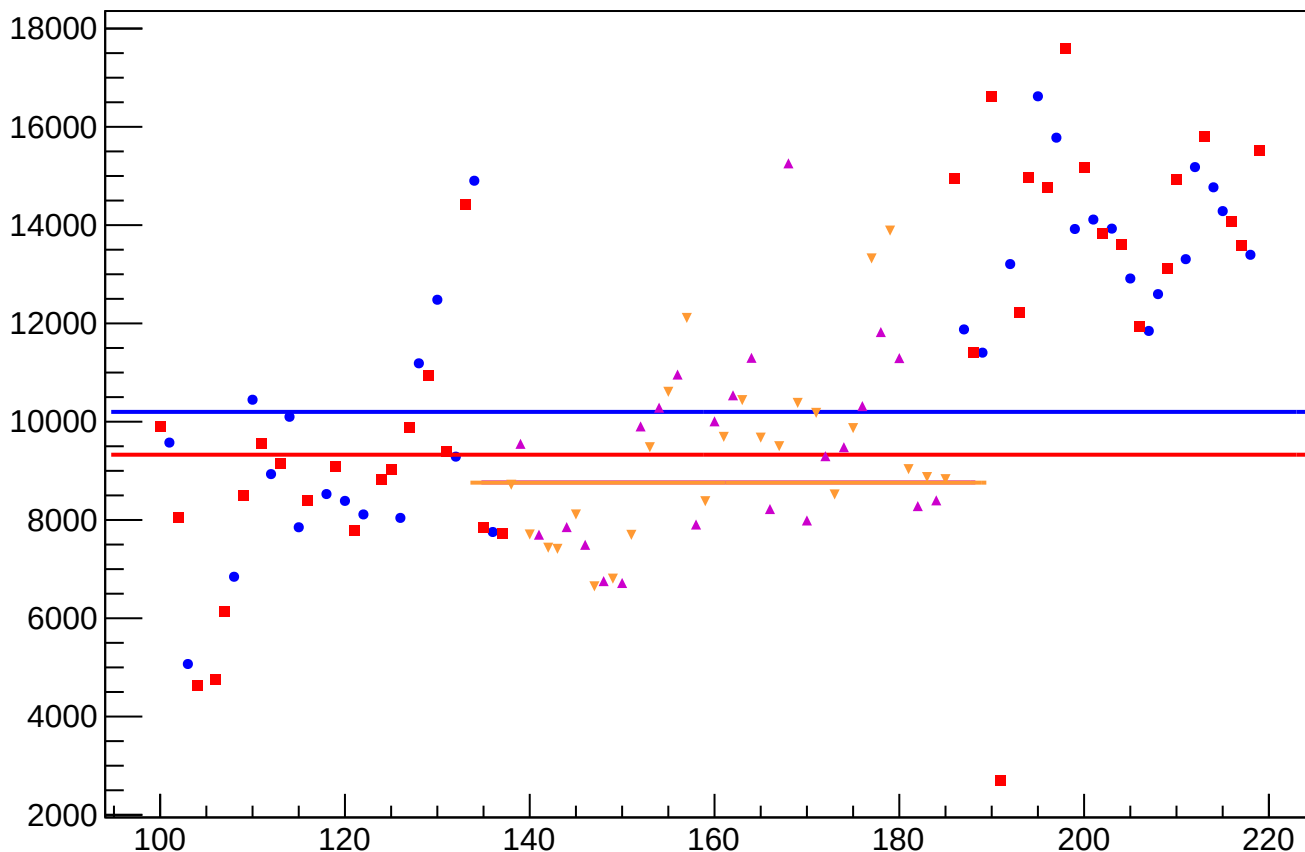
Left In: 105.025 $\pm$ 2090.897 χ^2 /NDF:14.5/22

+ sign 815.892 $\pm$ 1550.362 χ^2 /NDF: 66.8/56

All: 849.245 $\pm$ 1084.741 χ^2 /NDF: 121.4/116

- sign 881.230 $\pm$ 1518.253 χ^2 /NDF: 54.6/59

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 10199.672 $\pm$ 1.691 χ^2 /NDF: 3788057.0/31

Left Out: 8759.625 $\pm$ 1.440 χ^2 /NDF:1222248.8/24

Right Out: 9328.249 $\pm$ 1.561 χ^2 /NDF: 6509798.6/36

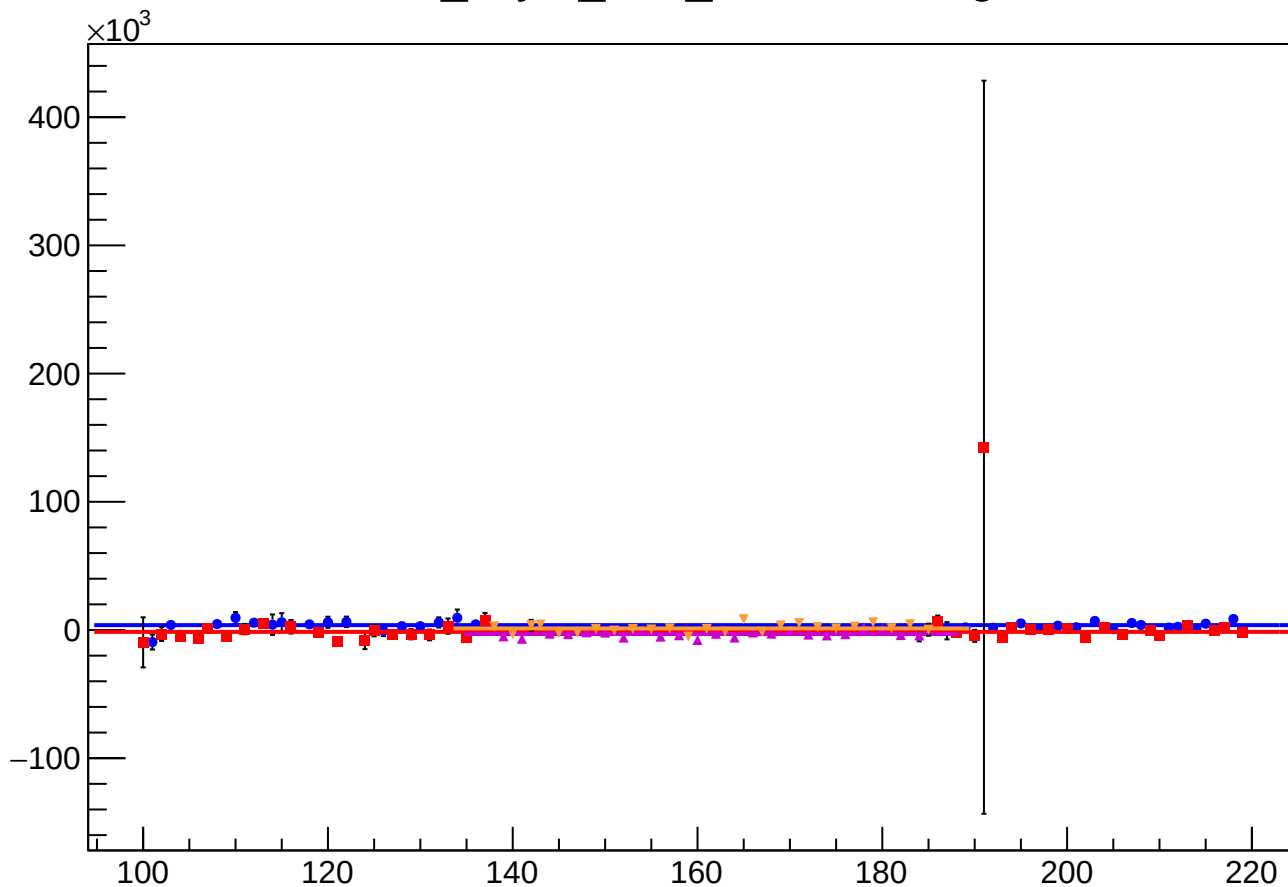
Left In: 8764.132 $\pm$ 1.478 χ^2 /NDF:1291700.3/22

+ sign 9364.643 $\pm$ 1.096 χ^2 /NDF: 5430677.1/56

All: 9194.236 $\pm$ 0.767 χ^2 /NDF: 13348332.2/1

- sign 9030.815 $\pm$ 1.074 χ^2 /NDF: 7870321.0/59

dit_asym_atr2_mean vs Slug



Right In: 3790.836 ± 613.706 χ^2/NDF : 19.3/31

Left Out: 1213.875 ± 579.693 χ^2/NDF : 26.8/24

Right Out: -1478.841 ± 599.605 χ^2/NDF : 37.3/36

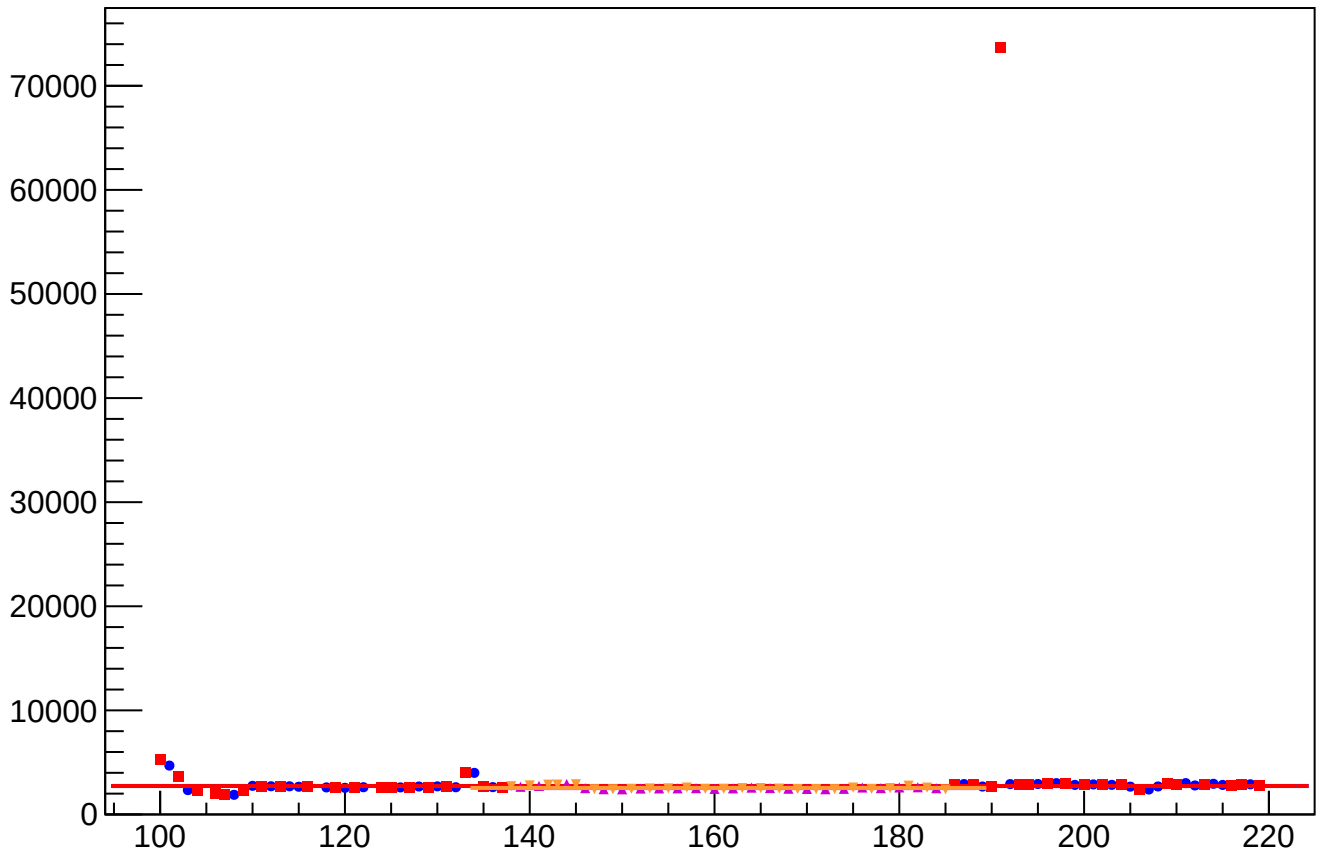
Left In: -3150.265 ± 592.116 χ^2/NDF : 16.5/22

+ sign 2428.970 ± 421.416 χ^2/NDF : 55.5/56

All: 51.370 ± 297.950 χ^2/NDF : 176.8/116

- sign -2325.056 ± 421.312 χ^2/NDF : 57.7/59

dit_asym_atr2_rms vs Slug



Right In: 2736.496+/-0.434 χ^2/NDF : 620260.8/31

Left Out: 2547.154+/-0.410 χ^2/NDF : 117298.5/24

Right Out: 2729.871+/-0.424 χ^2/NDF : 708218.7/36

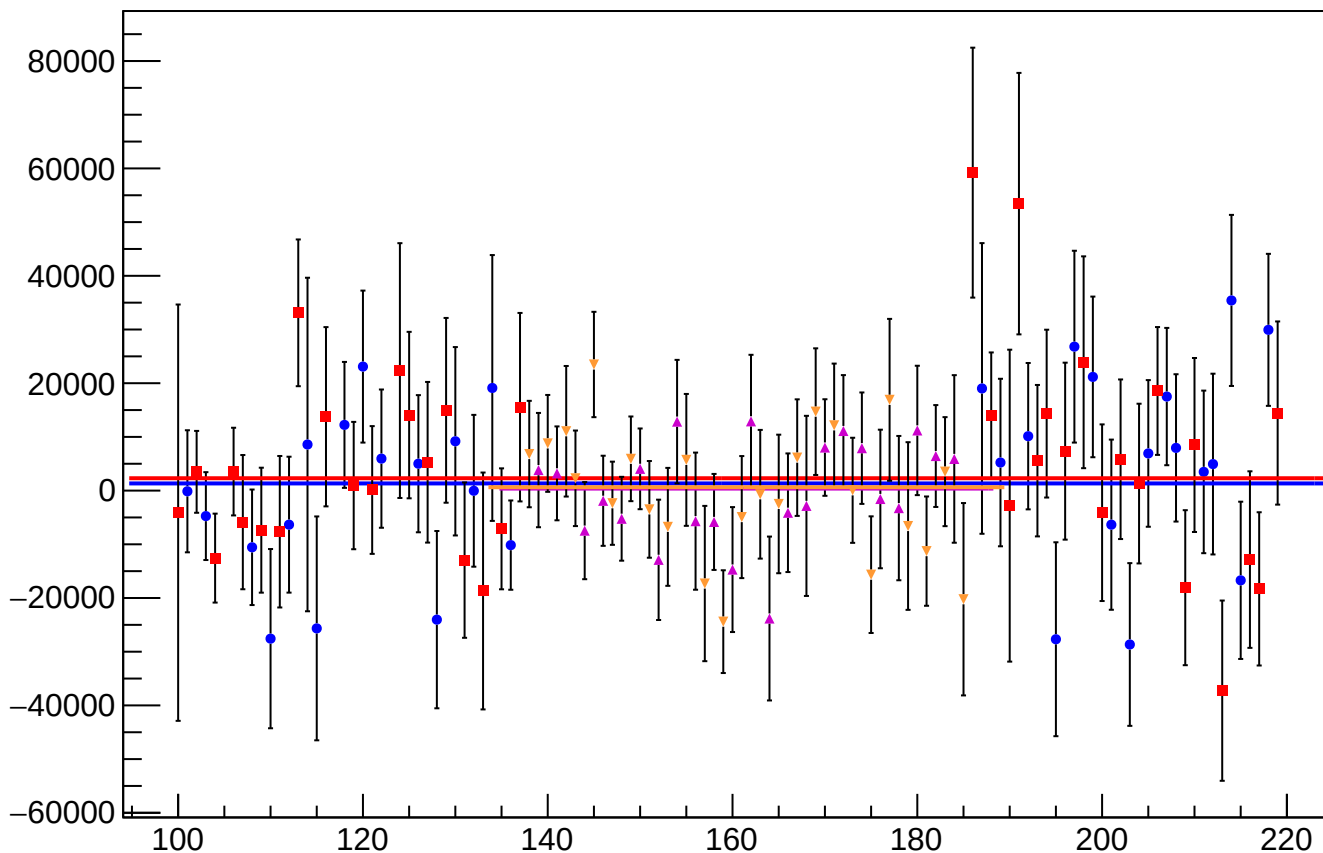
Left In: 2532.772+/-0.419 χ^2/NDF : 68441.1/22

+ sign 2636.433+/-0.298 χ^2/NDF : 838166.2/56

All: 2633.268+/-0.211 χ^2/NDF : 1724487.4/11

- sign 2630.105+/-0.298 χ^2/NDF : 886095.7/59

asym_atr2_dit_correction_mean vs Slug



Right In: 1336.744+/-2461.013 χ^2/NDF : 39.0/31

Left Out: 631.360+/-2123.101 χ^2/NDF : 26.7/24

Right Out: 2301.156+/-2279.343 χ^2/NDF : 42.2/36

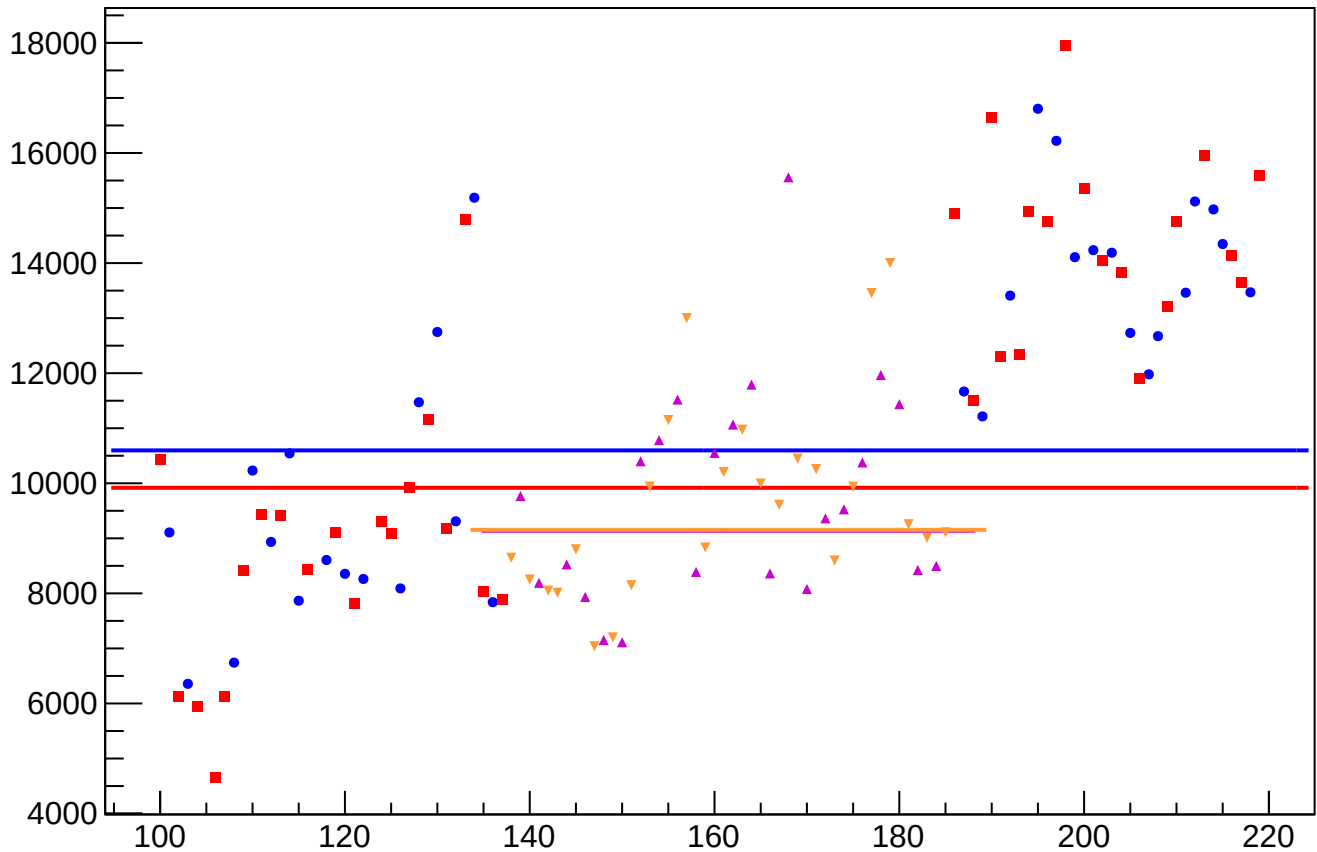
Left In: 377.922+/-2176.347 χ^2/NDF : 14.2/22

+ sign 932.337+/-1607.561 χ^2/NDF : 65.7/56

All: 1117.540+/-1124.686 χ^2/NDF : 122.6/116

- sign 1295.106+/-1574.062 χ^2/NDF : 56.8/59

asym_atr2_dit_correction_rms vs Slug



Right In: 10597.467 $\pm$ 1.740 χ^2 /NDF: 3042952.2/31

Left Out: 9154.688 $\pm$ 1.501 χ^2 /NDF:1072073.9/24

+ sign 9770.300 $\pm$ 1.137 χ^2 /NDF: 4509116.2/56

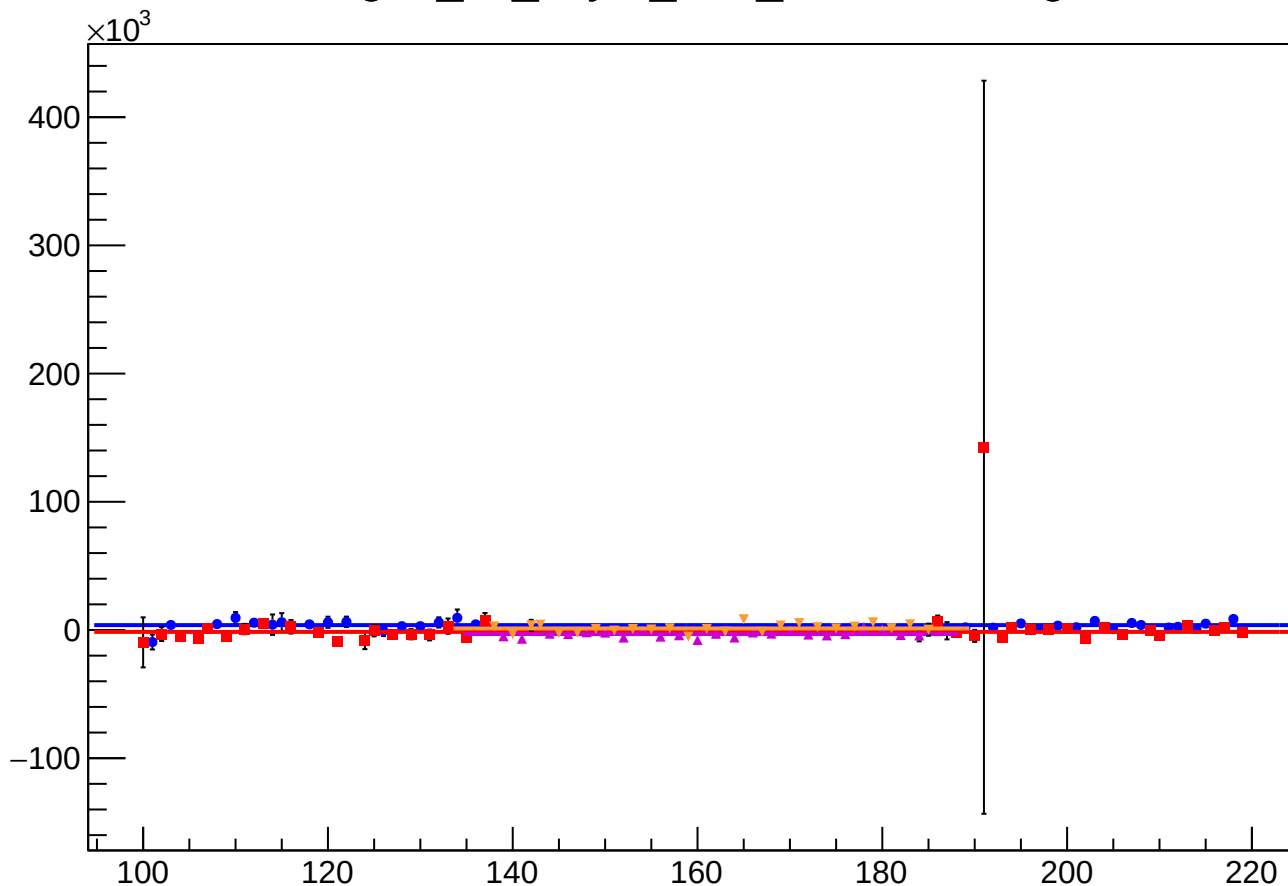
Right Out: 9918.263 $\pm$ 1.612 χ^2 /NDF: 4921795.4/36

All: 9637.350 $\pm$ 0.795 χ^2 /NDF: 10753229.1/1

Left In: 9137.576 $\pm$ 1.539 χ^2 /NDF:1172792.2/22

- sign 9509.883 $\pm$ 1.113 χ^2 /NDF: 6217318.0/59

eigen_dit_asym_atr2_mean vs Slug



Right In: 3790.826 ± 613.706 χ^2/NDF : 19.3/31

Left Out: 1213.864 ± 579.693 χ^2/NDF : 26.8/24

Right Out: -1478.844 ± 599.605 χ^2/NDF : 37.3/36

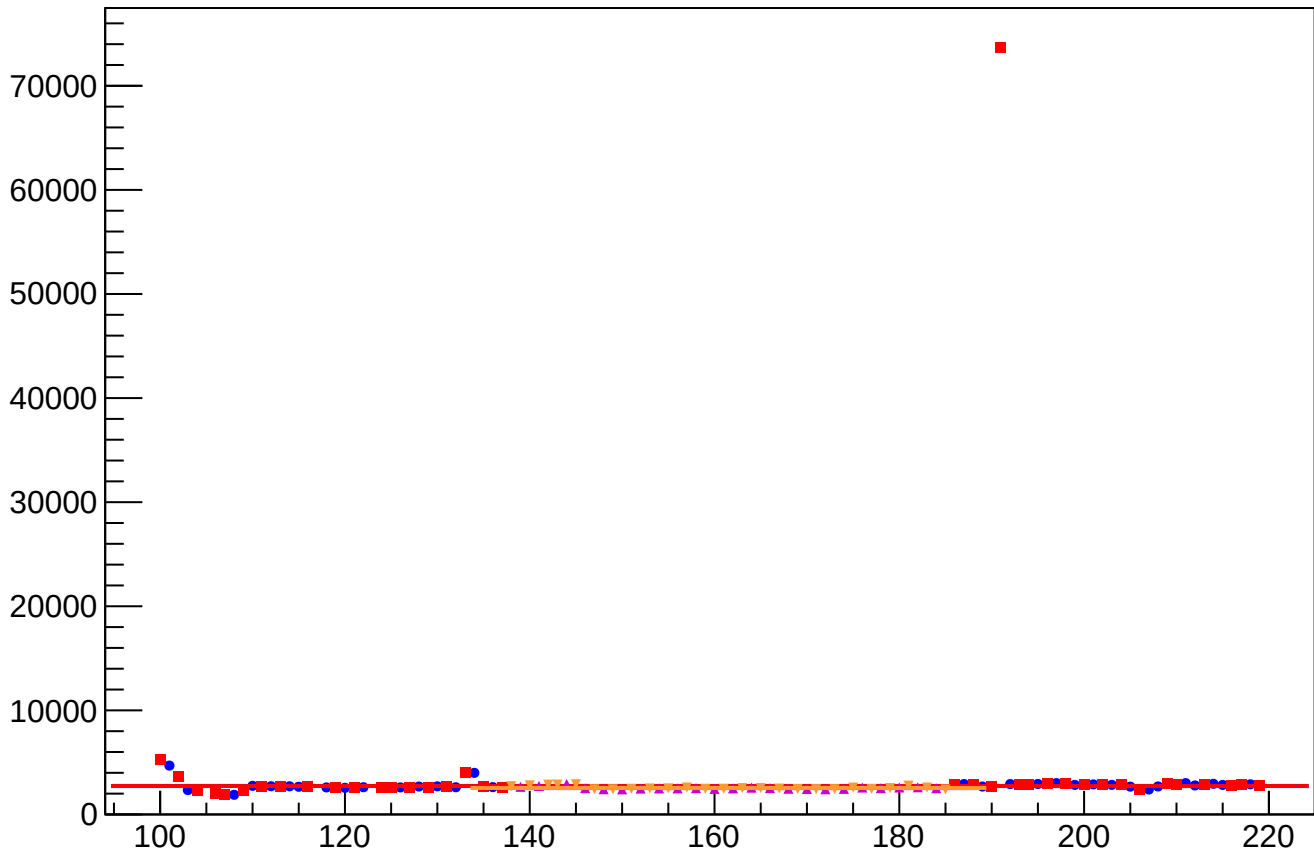
Left In: -3150.264 ± 592.117 χ^2/NDF : 16.5/22

+ sign 2428.960 ± 421.416 χ^2/NDF : 55.5/56

All: 51.365 ± 297.950 χ^2/NDF : 176.8/116

- sign -2325.057 ± 421.312 χ^2/NDF : 57.7/59

eigen_dit_asym_atr2_rms vs Slug



Right In: 2736.495+/-0.434 χ^2/NDF : 620261.7/31

Left Out: 2547.156+/-0.410 χ^2/NDF : 117298.5/24

Right Out: 2729.871+/-0.424 χ^2/NDF : 708218.6/36

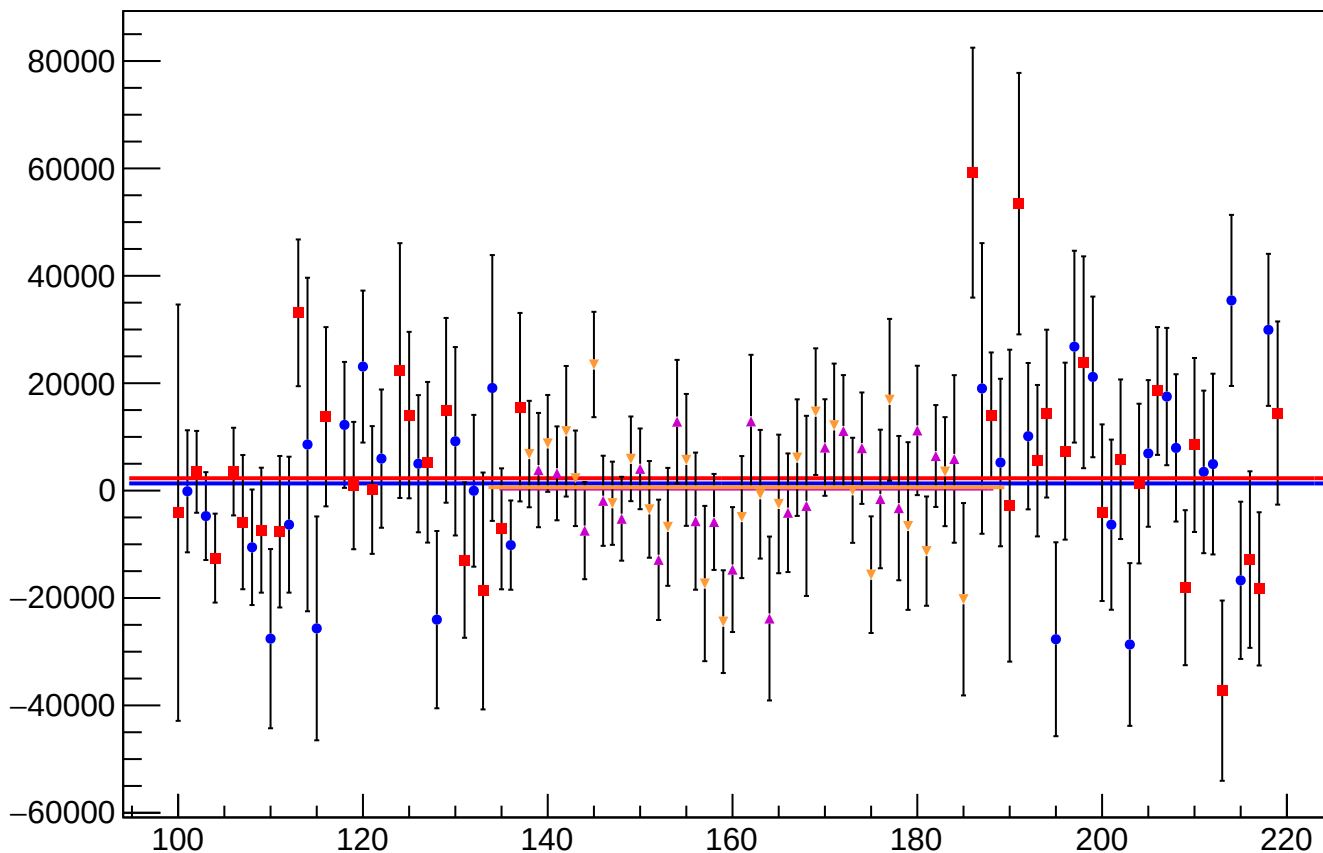
Left In: 2532.774+/-0.419 χ^2/NDF : 68440.8/22

+ sign 2636.434+/-0.298 χ^2/NDF : 838164.8/56

All: 2633.269+/-0.211 χ^2/NDF : 1724483.7/11

- sign 2630.106+/-0.298 χ^2/NDF : 886093.3/59

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: 1336.758 $\pm$ 2461.013 χ^2 /NDF: 39.0/31

Left Out: 631.356 $\pm$ 2123.104 χ^2 /NDF:26.7/24

Right Out: 2301.148 $\pm$ 2279.342 χ^2 /NDF: 42.2/36

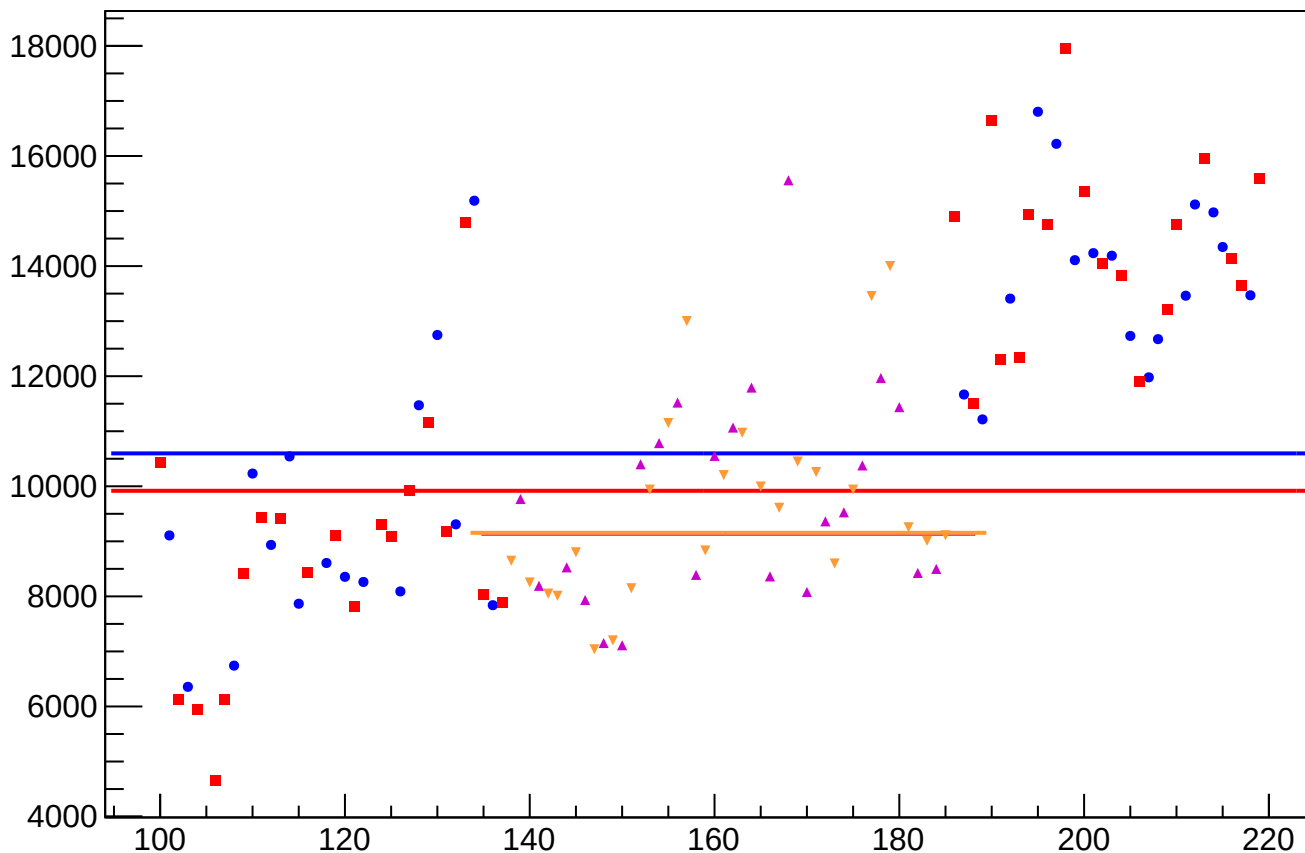
Left In: 377.927 $\pm$ 2176.350 χ^2 /NDF:14.2/22

+ sign 932.340 $\pm$ 1607.562 χ^2 /NDF: 65.7/56

All: 1117.543 $\pm$ 1124.687 χ^2 /NDF: 122.6/116

- sign 1295.107 $\pm$ 1574.063 χ^2 /NDF: 56.8/59

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 10597.462 $\pm$ 1.740 χ^2 /NDF: 3042969.5/31

Left Out: 9154.703 $\pm$ 1.501 χ^2 /NDF:1072075.9/24

Right Out: 9918.254 $\pm$ 1.612 χ^2 /NDF: 4921821.4/36

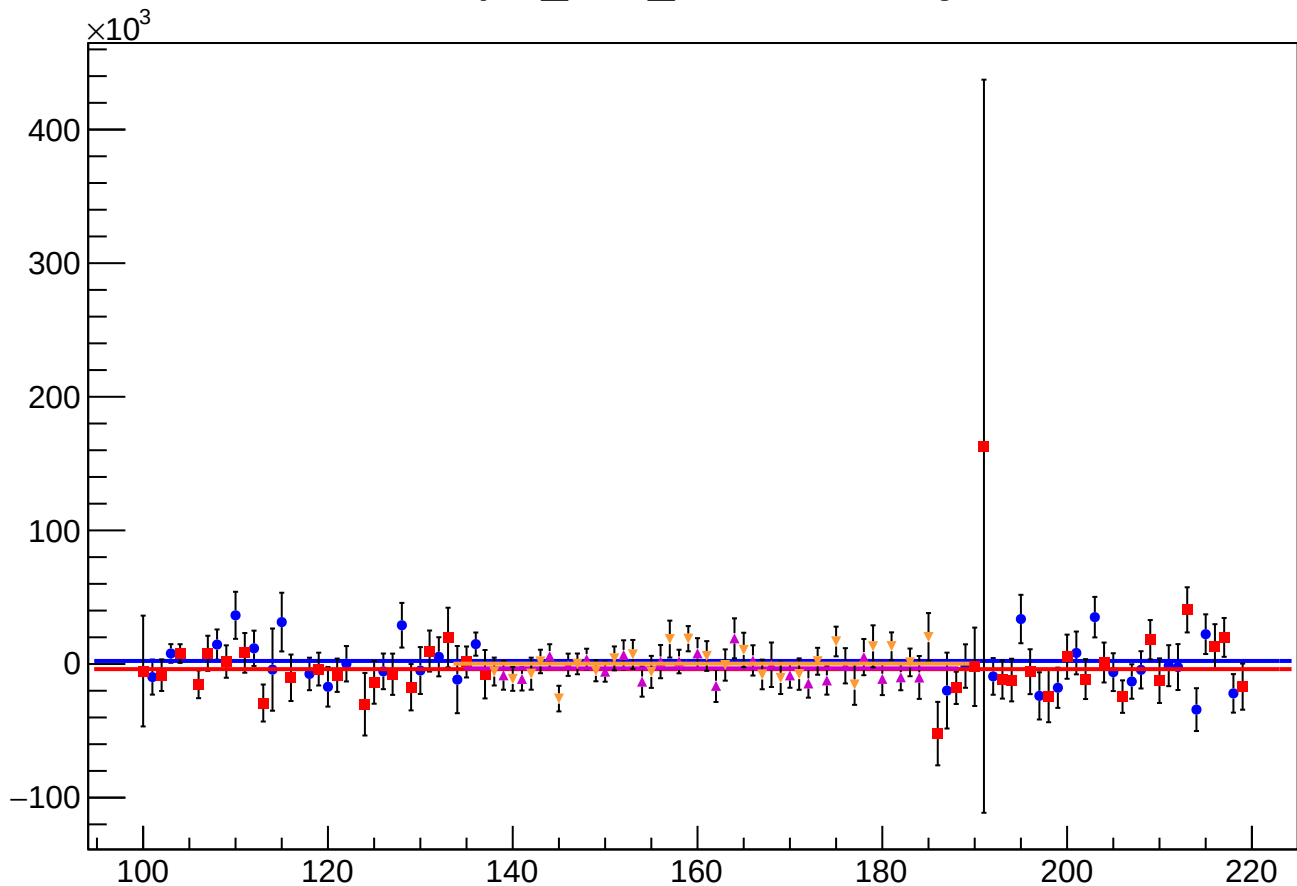
Left In: 9137.590 $\pm$ 1.539 χ^2 /NDF:1172796.0/22

+ sign 9770.307 $\pm$ 1.137 χ^2 /NDF: 4509124.2/56

All: 9637.355 $\pm$ 0.795 χ^2 /NDF: 10753260.2/1

- sign 9509.887 $\pm$ 1.113 χ^2 /NDF: 6217340.3/59

asym_atr2_mean vs Slug



Right In: 2303.410 $\pm$ 2488.092 χ^2 /NDF: 41.7/31

Left Out: 295.038 $\pm$ 2125.383 χ^2 /NDF: 26.3/24

Right Out: -3821.586 $\pm$ 2399.169 χ^2 /NDF: 38.6/36

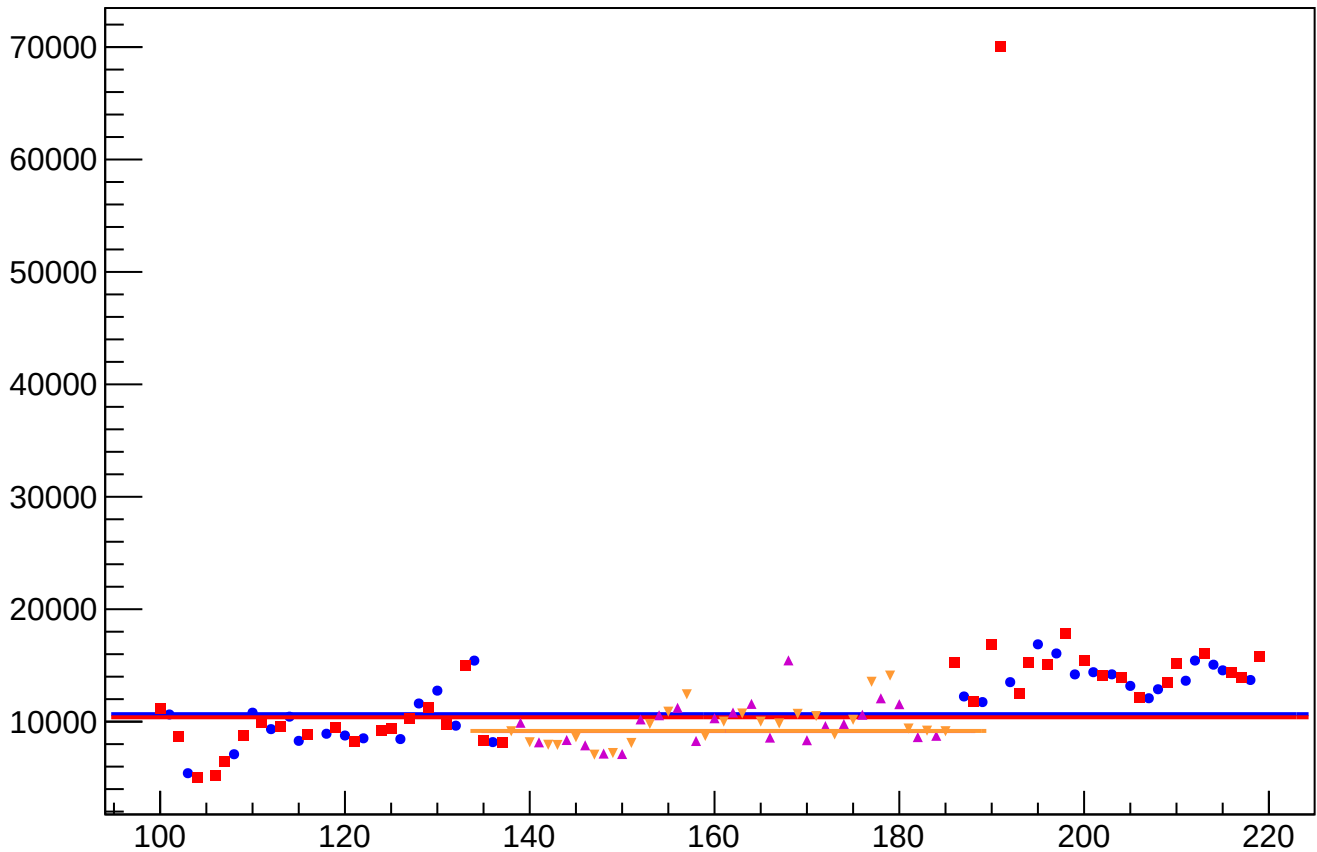
Left In: -3233.667 $\pm$ 2179.845 χ^2 /NDF: 13.6/22

+ sign 1142.297 $\pm$ 1616.041 χ^2 /NDF: 68.4/56

All: -1182.468 $\pm$ 1141.765 χ^2 /NDF: 124.8/11

- sign -3499.531 $\pm$ 1613.362 χ^2 /NDF: 52.2/59

asym_atr2_rms vs Slug



Right In: 10664.785 $\pm$ 1.759 χ^2 /NDF: 3435349.8/31

Left Out: 9172.826 $\pm$ 1.503 χ^2 /NDF:1056946.9/24

+ sign 9802.229 $\pm$ 1.143 χ^2 /NDF: 4908055.4/56

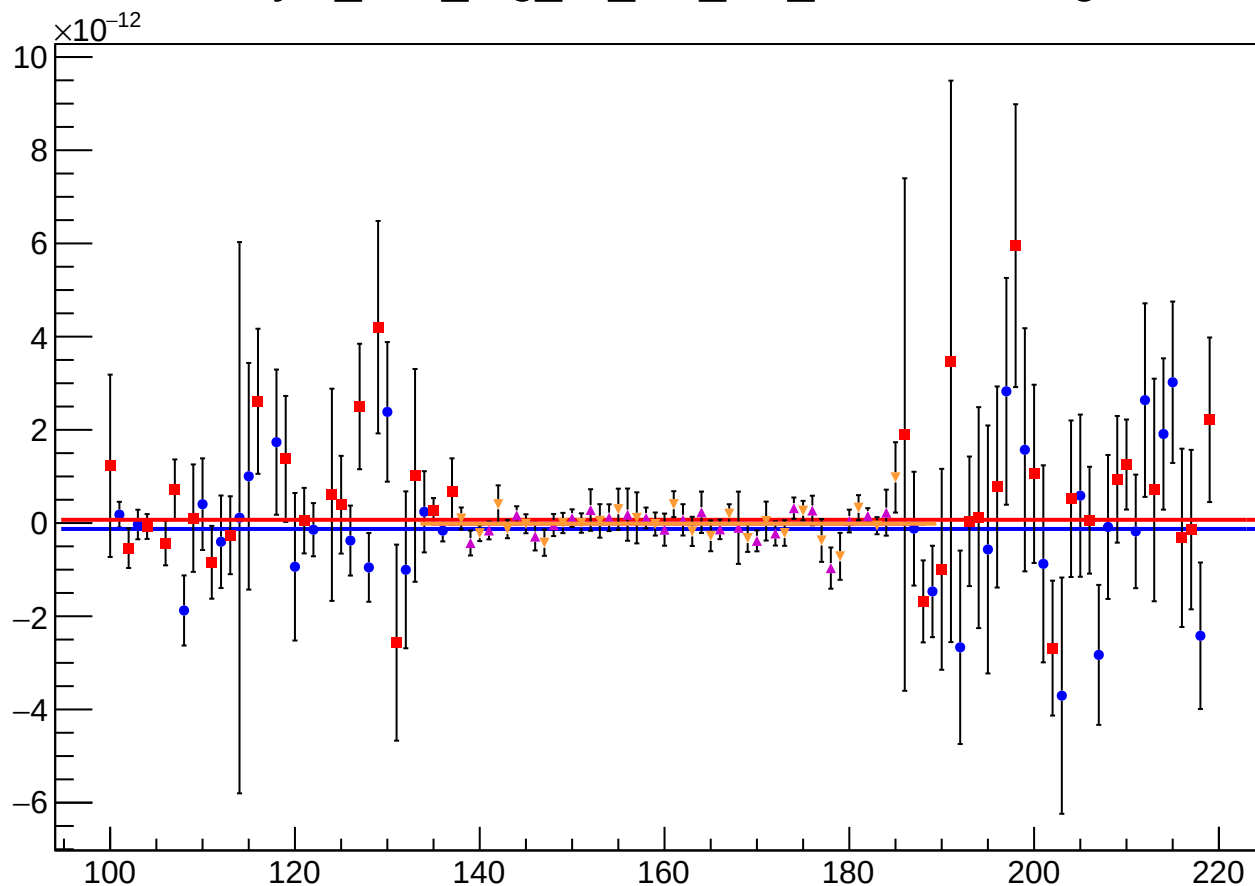
Right Out: 10387.268 $\pm$ 1.696 χ^2 /NDF: 4615249.8/36

All: 9759.165 $\pm$ 0.807 χ^2 /NDF: 10939299.3/1

- sign 9716.243 $\pm$ 1.141 χ^2 /NDF: 6028408.1/59

Left In: 9162.276 $\pm$ 1.541 χ^2 /NDF:1127533.4/22

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 33.3/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 19.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 35.6/36

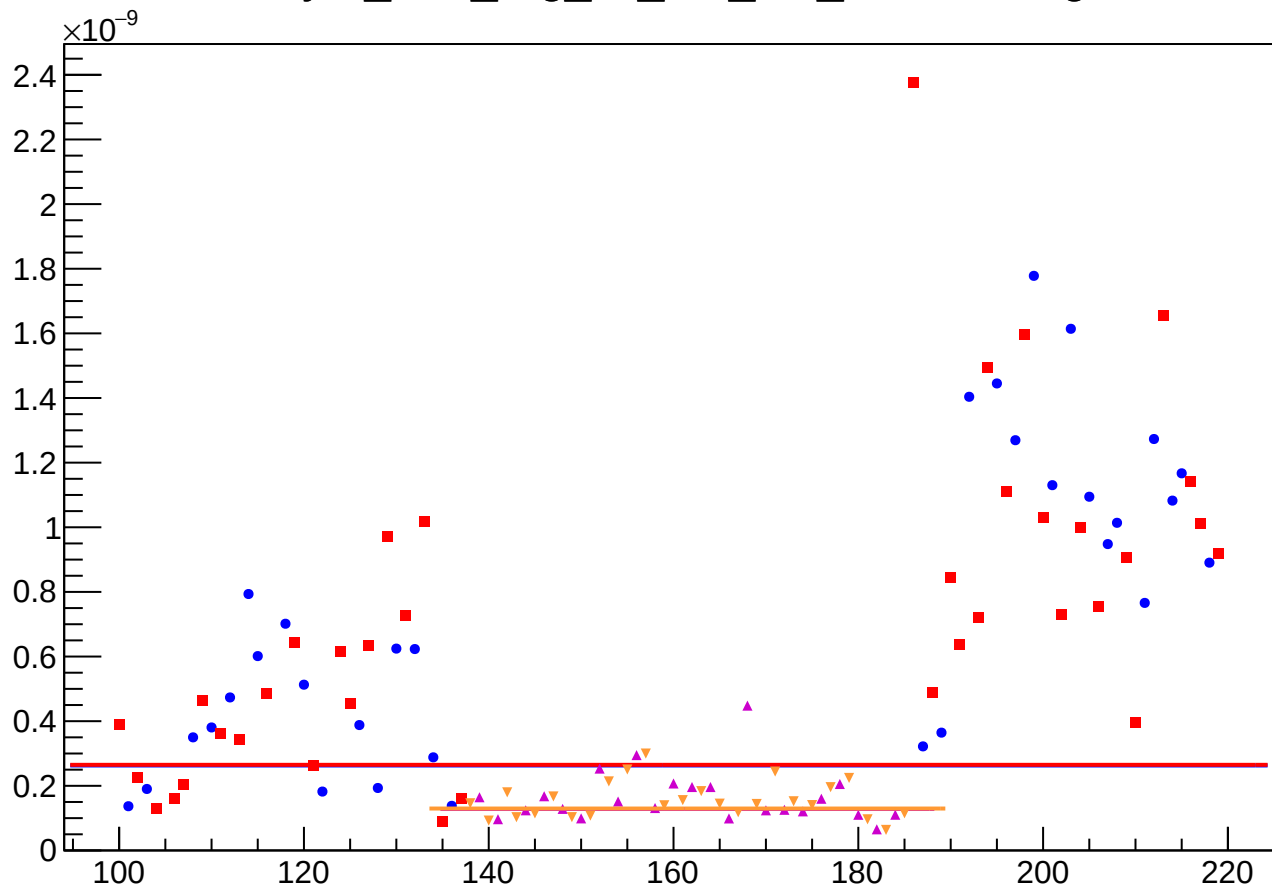
Left In: -0.000 ± 0.000 χ^2/NDF : 19.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 53.4/56

All: -0.000 ± 0.000 χ^2/NDF : 108.6/116

- sign 0.000 ± 0.000 χ^2/NDF : 55.1/59

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8318511.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8149917.4/36

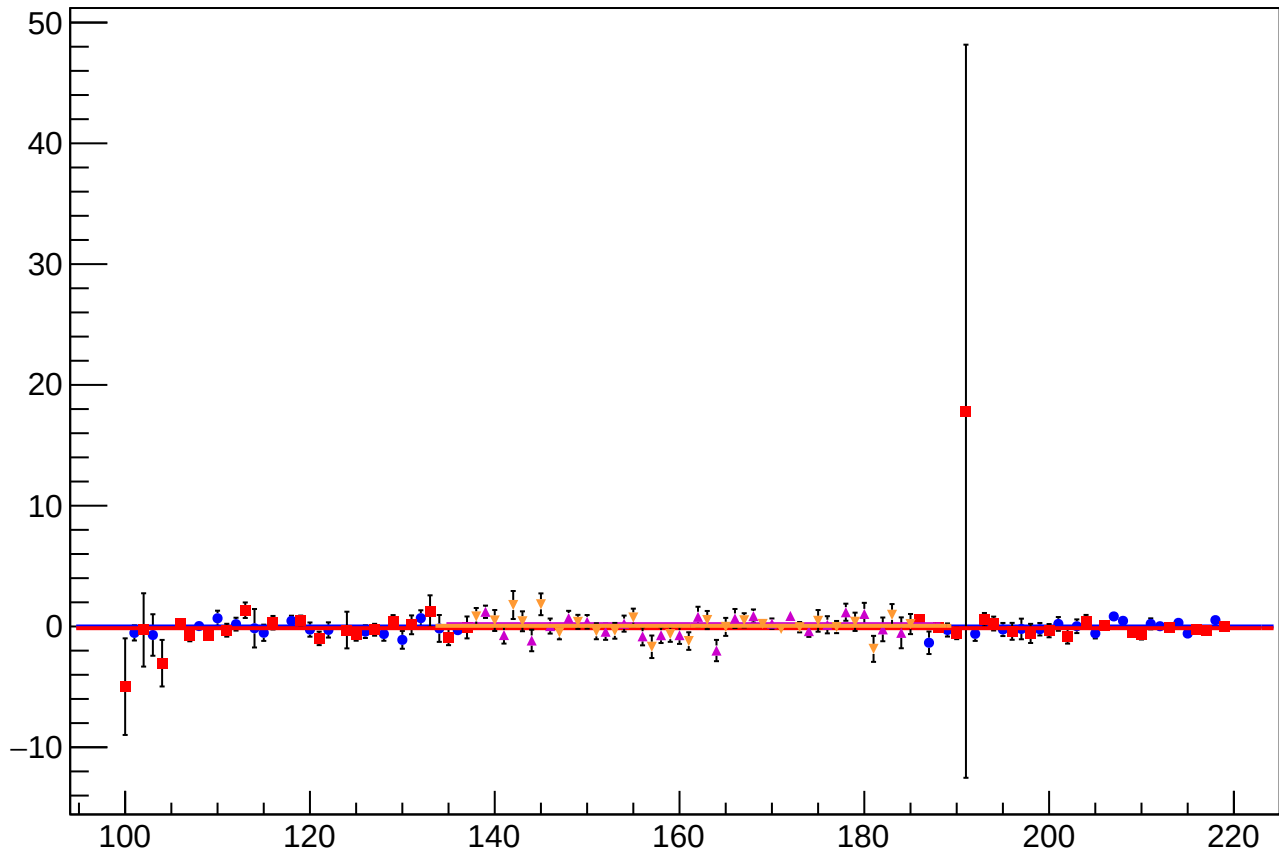
Left In: 0.000+/-0.000 χ^2/NDF : 1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 11574120.7/56

All: 0.000+/-0.000 χ^2/NDF : 23108486.0/116

- sign 0.000+/-0.000 χ^2/NDF : 11534249.3/59

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.088 χ^2/NDF : 30.9/31

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.142 ± 0.078 χ^2/NDF : 37.4/36

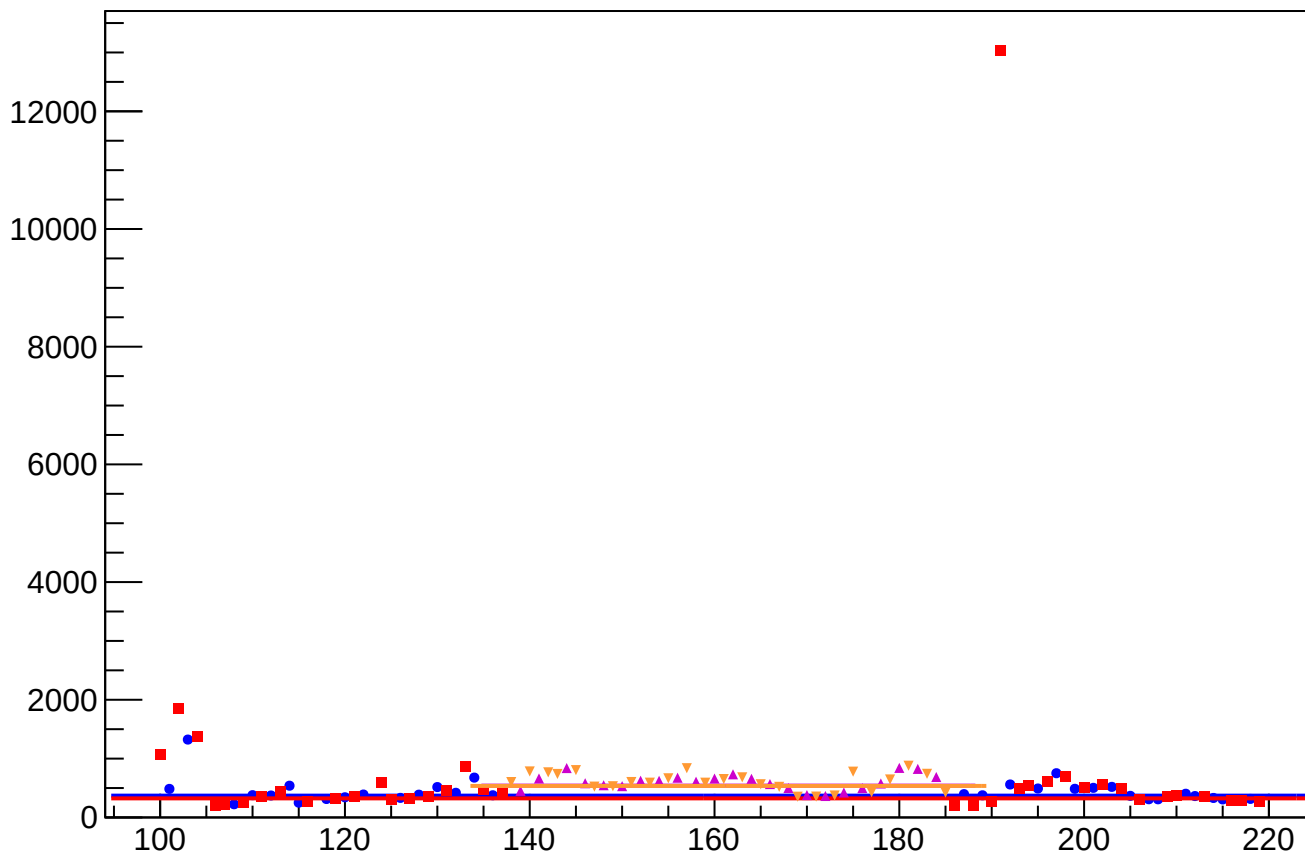
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign 0.016 ± 0.073 χ^2/NDF : 55.7/56

All: -0.023 ± 0.049 χ^2/NDF : 129.6/116

- sign -0.058 ± 0.067 χ^2/NDF : 73.3/59

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 370.784 $\pm$ 0.062 χ^2 /NDF: 2747102.4/31

Left Out: 535.943 $\pm$ 0.092 χ^2 /NDF: 2749736.4/24

Right Out: 324.220 $\pm$ 0.055 χ^2 /NDF: 5677155.9/36

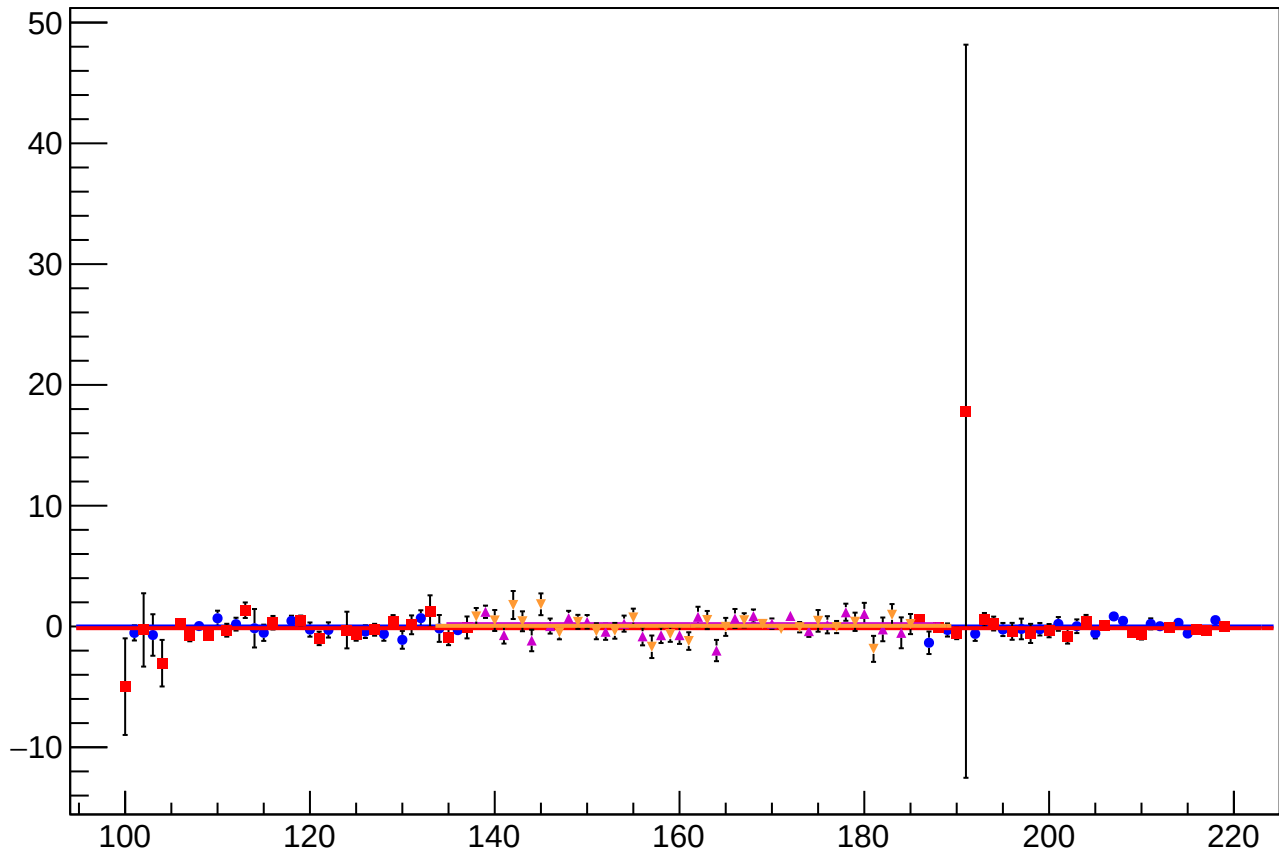
Left In: 540.804 $\pm$ 0.094 χ^2 /NDF: 1904998.0/22

+ sign 422.569 $\pm$ 0.051 χ^2 /NDF: 7729917.2/56

All: 399.253 $\pm$ 0.035 χ^2 /NDF: 19643555.6/1

- sign 379.275 $\pm$ 0.047 χ^2 /NDF: 11529701.4/59

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.088 χ^2/NDF : 30.9/31

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.142 ± 0.078 χ^2/NDF : 37.4/36

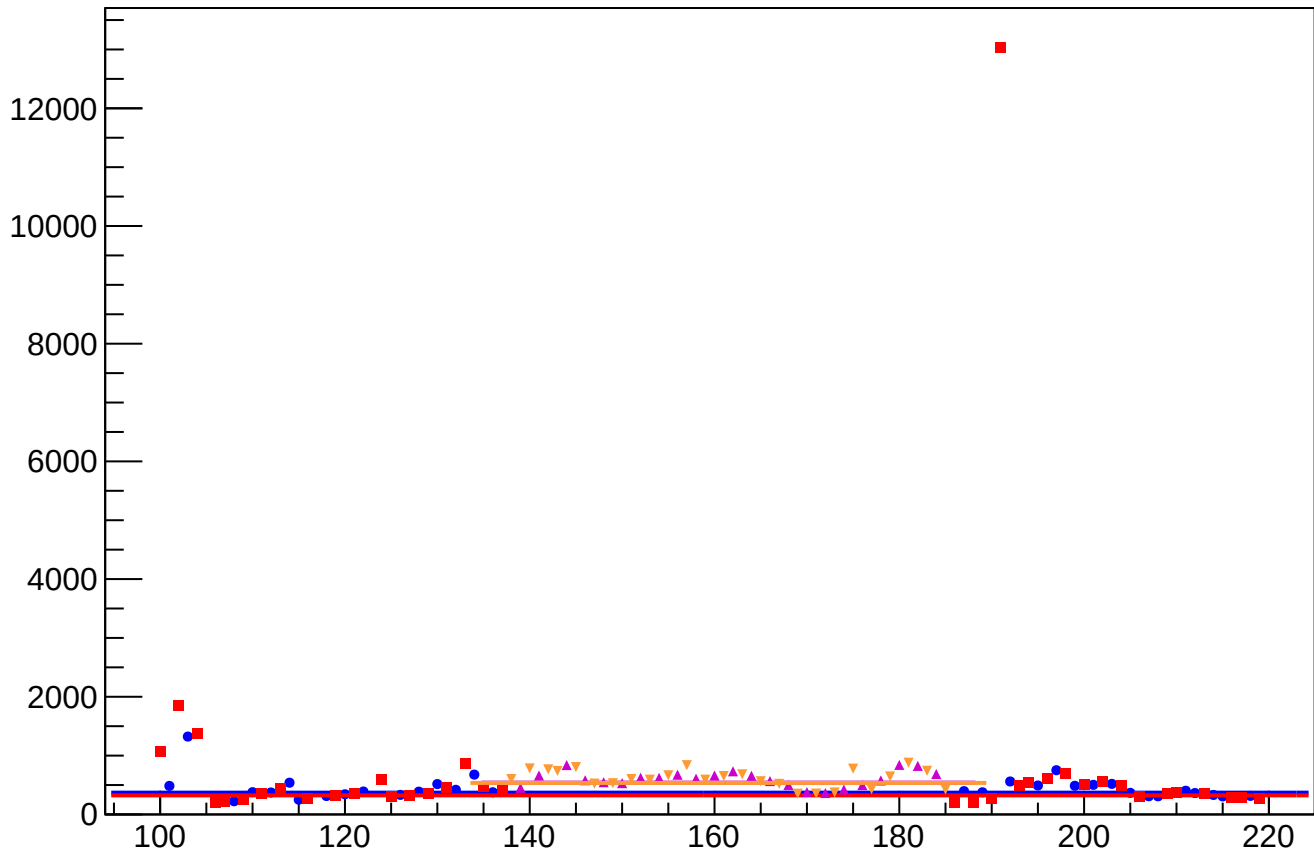
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign 0.016 ± 0.073 χ^2/NDF : 55.7/56

All: -0.023 ± 0.049 χ^2/NDF : 129.6/116

- sign -0.058 ± 0.067 χ^2/NDF : 73.3/59

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 370.784 $\pm$ 0.062 χ^2 /NDF: 2747102.4/31

Left Out: 535.943 $\pm$ 0.092 χ^2 /NDF: 2749736.4/24

Right Out: 324.220 $\pm$ 0.055 χ^2 /NDF: 5677155.9/36

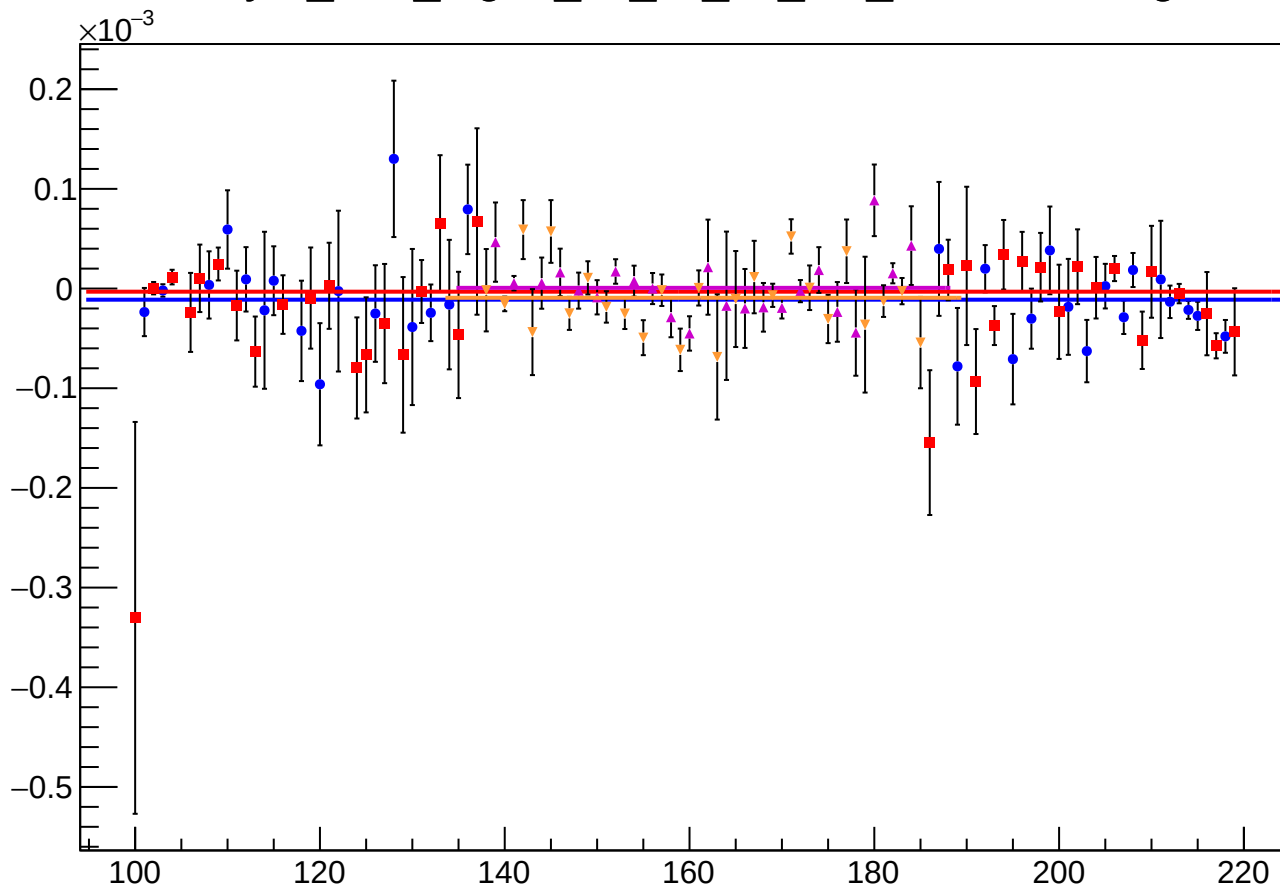
Left In: 540.804 $\pm$ 0.094 χ^2 /NDF: 1904998.0/22

+ sign 422.569 $\pm$ 0.051 χ^2 /NDF: 7729917.2/56

All: 399.253 $\pm$ 0.035 χ^2 /NDF: 19643555.6/11

- sign 379.275 $\pm$ 0.047 χ^2 /NDF: 11529701.4/59

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 38.6/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 45.2/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 60.4/36

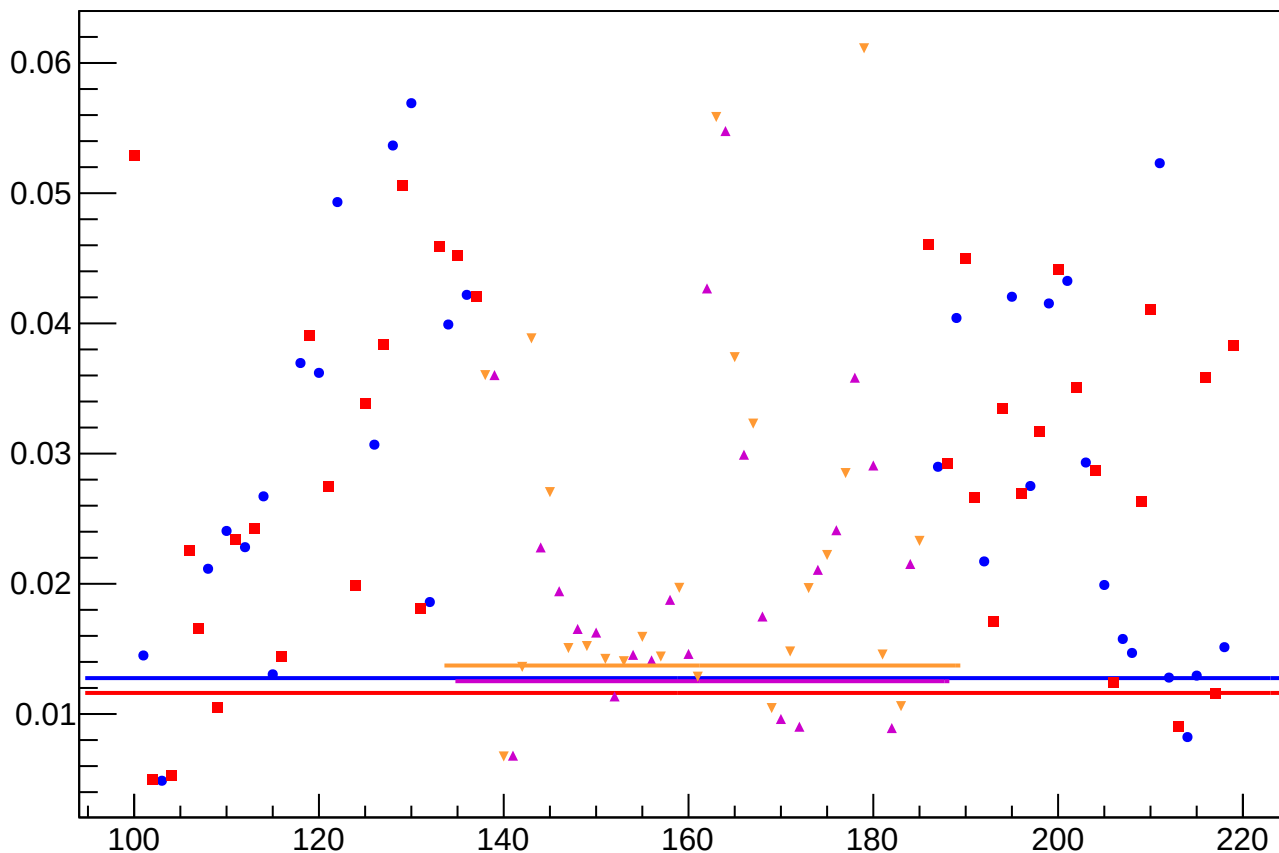
Left In: 0.000 ± 0.000 χ^2/NDF : 30.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 83.9/56

All: -0.000 ± 0.000 χ^2/NDF : 181.4/116

- sign -0.000 ± 0.000 χ^2/NDF : 91.0/59

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 13762169.7/31

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 7717157.8/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 17042047.4/36

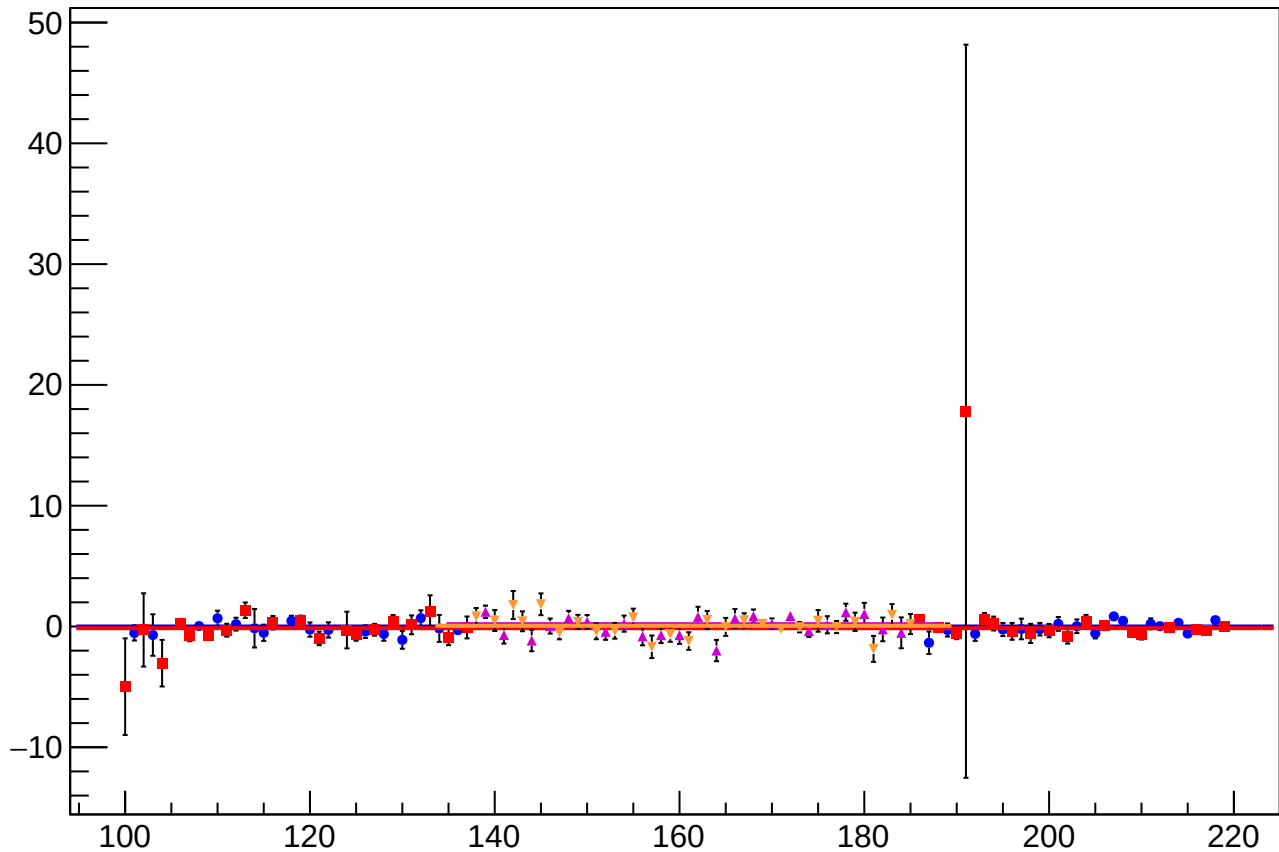
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 7121524.7/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 21550153.3/56

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 46019070.4/116

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 24235013.6/59

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.088 χ^2/NDF : 30.9/31

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.142 ± 0.078 χ^2/NDF : 37.4/36

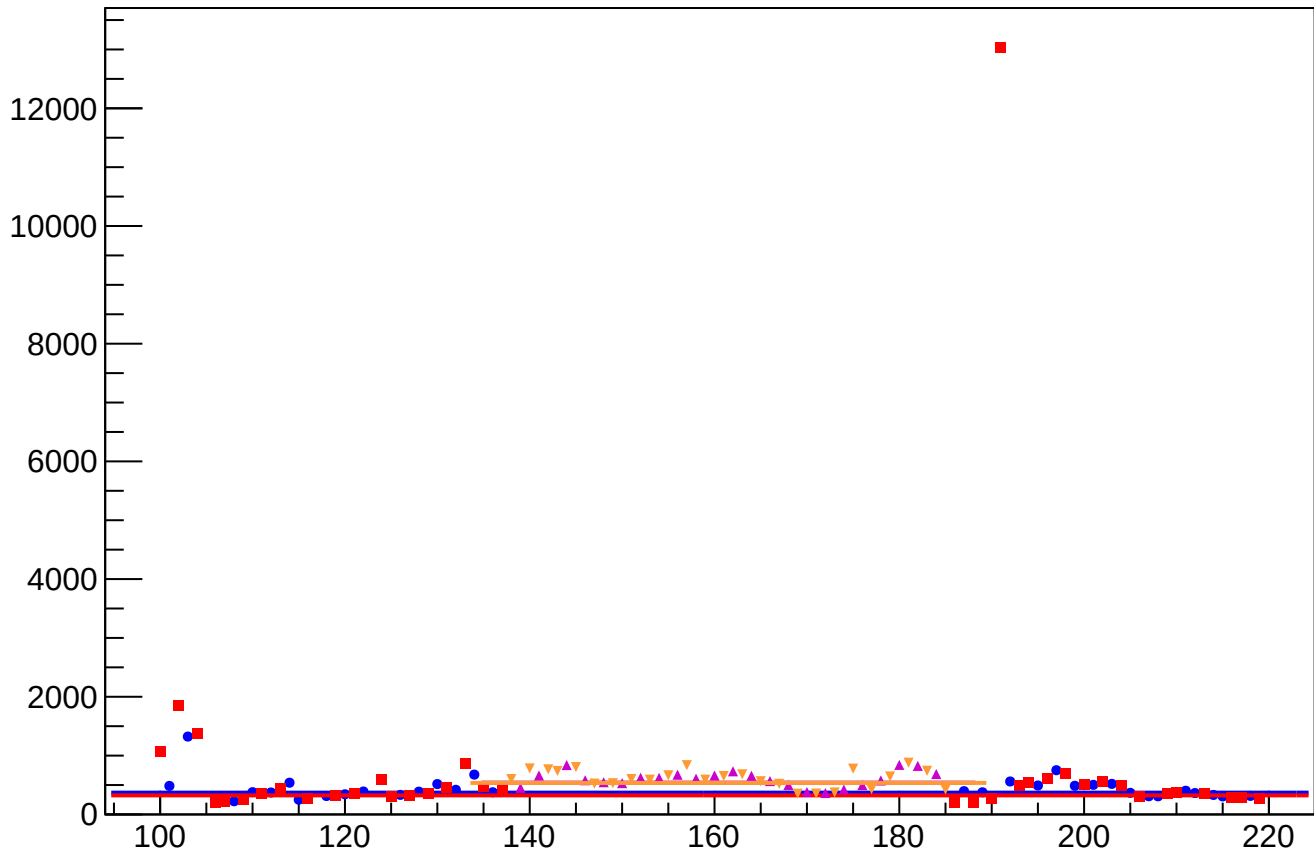
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign 0.016 ± 0.073 χ^2/NDF : 55.7/56

All: -0.024 ± 0.049 χ^2/NDF : 129.5/116

- sign -0.058 ± 0.067 χ^2/NDF : 73.3/59

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 370.782 ± 0.062 χ^2/NDF : 2747134.5/31

Left Out: 535.948 ± 0.092 χ^2/NDF : 2749816.2/24

Right Out: 324.220 ± 0.055 χ^2/NDF : 5677088.4/36

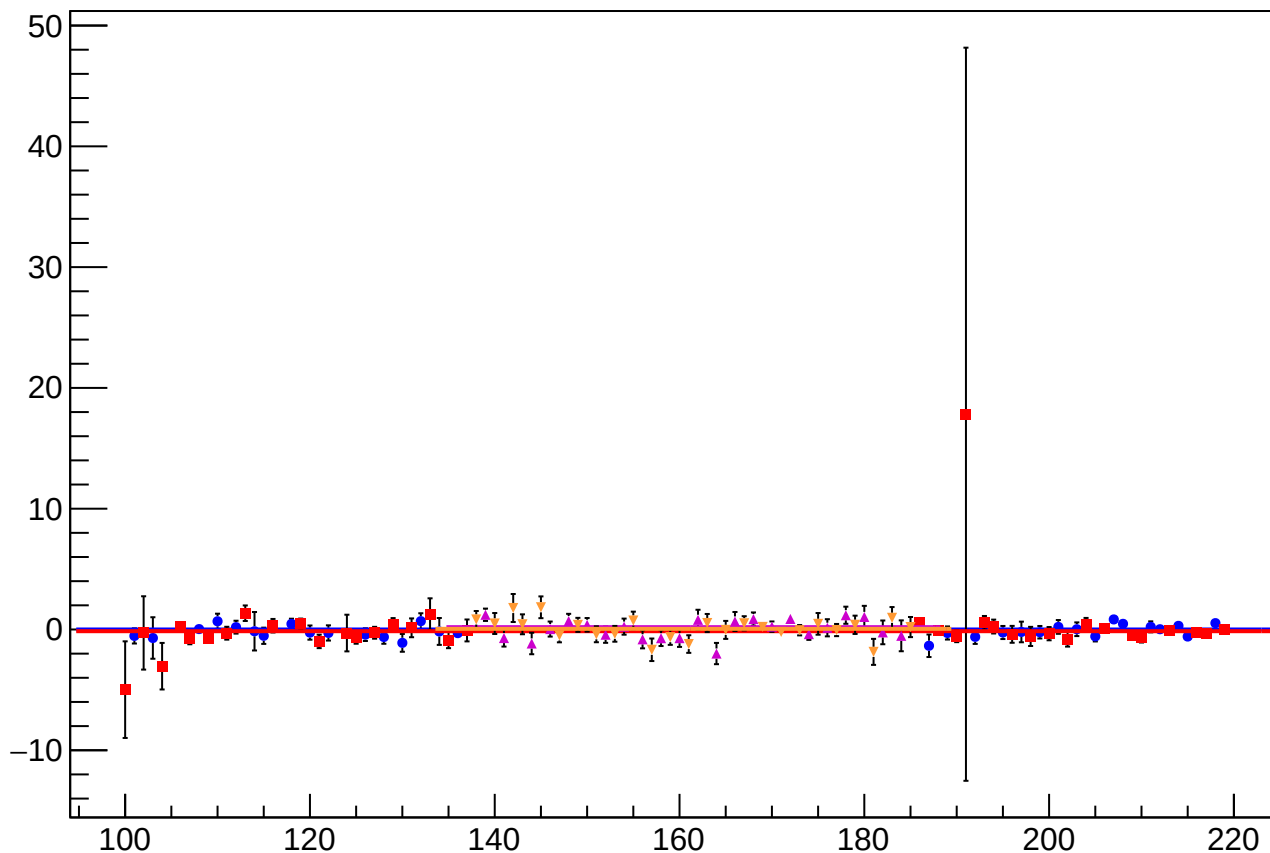
Left In: 540.809 ± 0.094 χ^2/NDF : 1905035.9/22

+ sign 422.568 ± 0.051 χ^2/NDF : 7730188.9/56

All: 399.253 ± 0.035 χ^2/NDF : 19643885.6/11

- sign 379.276 ± 0.047 χ^2/NDF : 11529789.8/59

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.088 χ^2/NDF : 30.9/31

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.142 ± 0.078 χ^2/NDF : 37.4/36

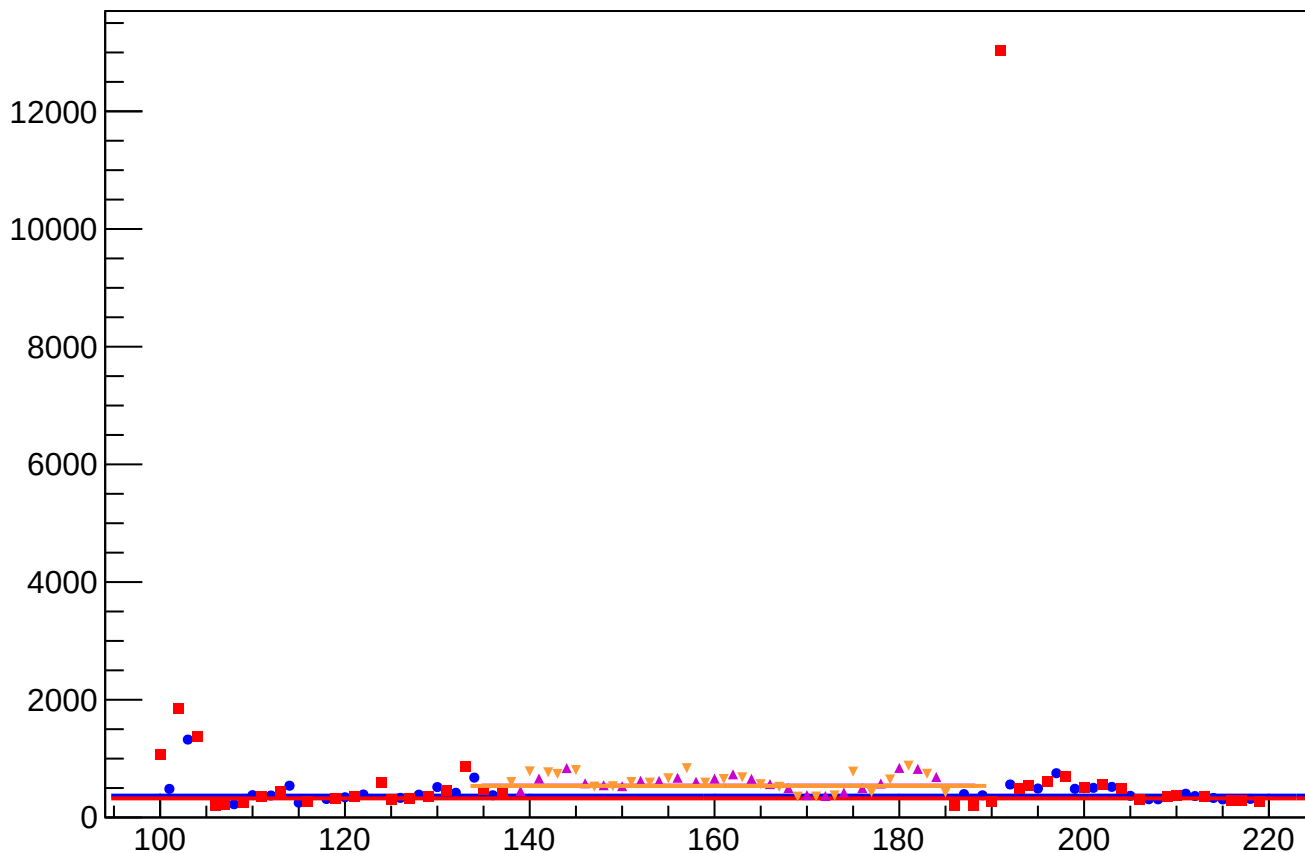
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign 0.016 ± 0.073 χ^2/NDF : 55.7/56

All: -0.024 ± 0.049 χ^2/NDF : 129.5/116

- sign -0.058 ± 0.067 χ^2/NDF : 73.3/59

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 370.782 $\pm$ 0.062 χ^2 /NDF: 2747134.5/31

Left Out: 535.948 $\pm$ 0.092 χ^2 /NDF: 2749816.2/24

Right Out: 324.220 $\pm$ 0.055 χ^2 /NDF: 5677088.4/36

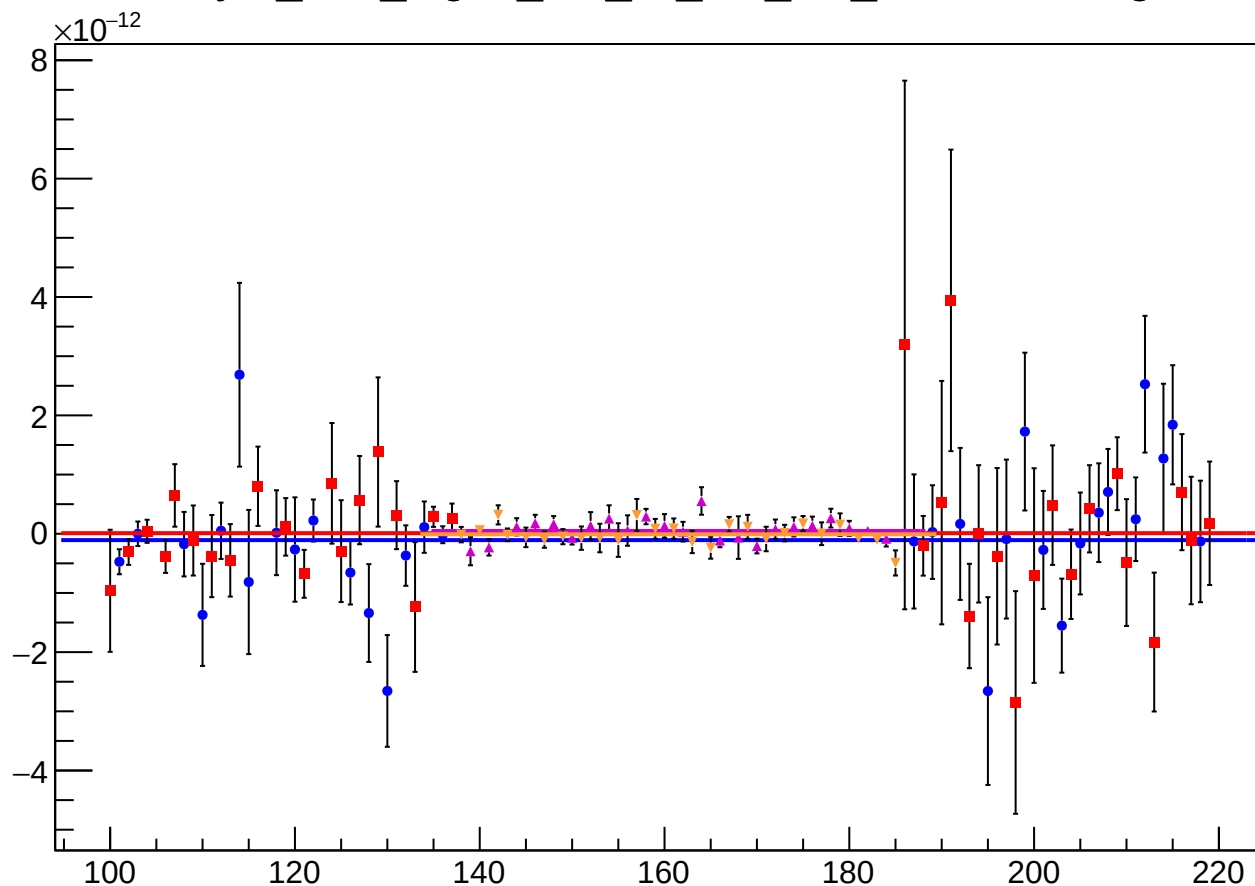
Left In: 540.809 $\pm$ 0.094 χ^2 /NDF: 1905035.9/22

+ sign 422.568 $\pm$ 0.051 χ^2 /NDF: 7730188.9/56

All: 399.253 $\pm$ 0.035 χ^2 /NDF: 19643885.6/1

- sign 379.276 $\pm$ 0.047 χ^2 /NDF: 11529789.8/59

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 41.3/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 34.9/36

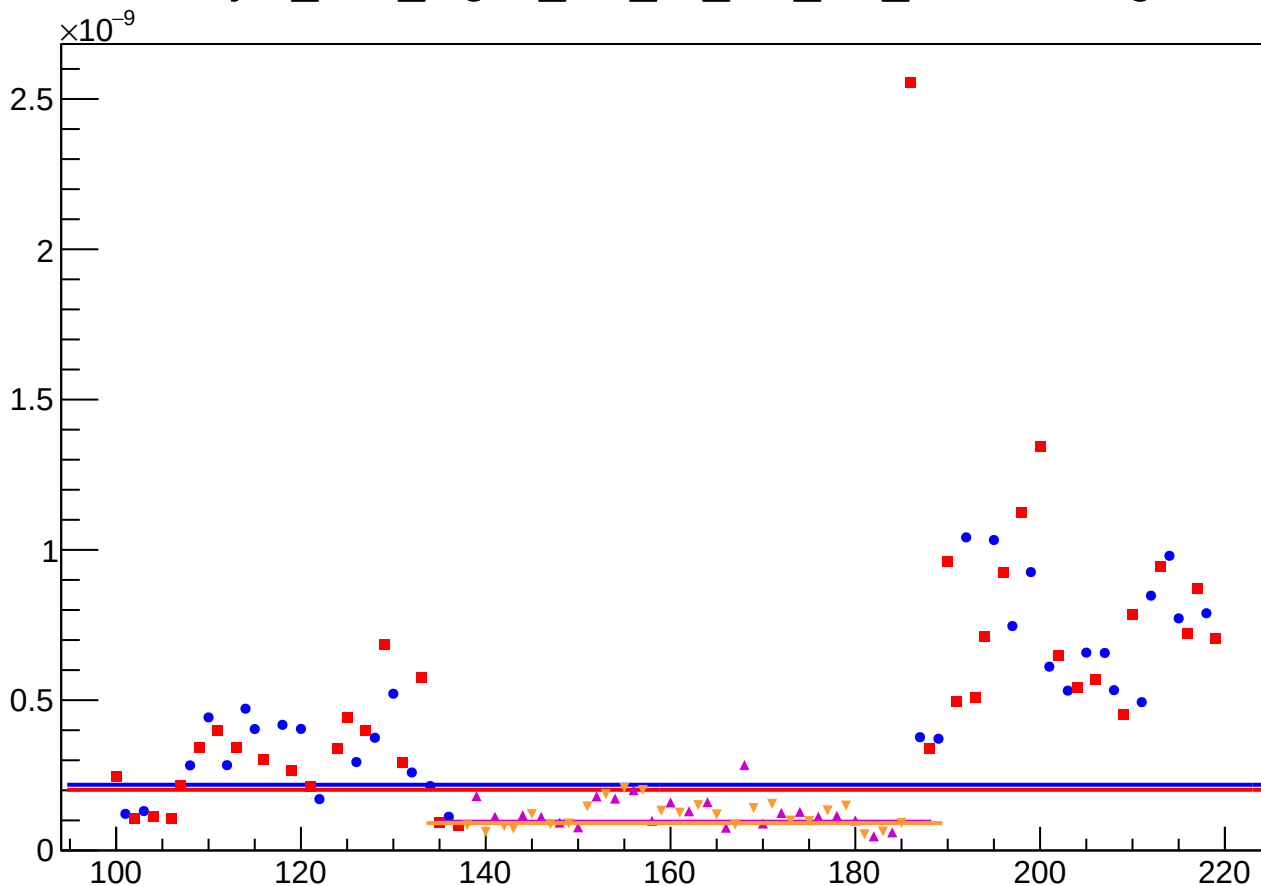
Left In: 0.000 ± 0.000 χ^2/NDF : 28.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 64.7/56

All: 0.000 ± 0.000 χ^2/NDF : 130.6/116

- sign 0.000 ± 0.000 χ^2/NDF : 63.2/59

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 10047605.7/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3367730.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 11842987.3/36

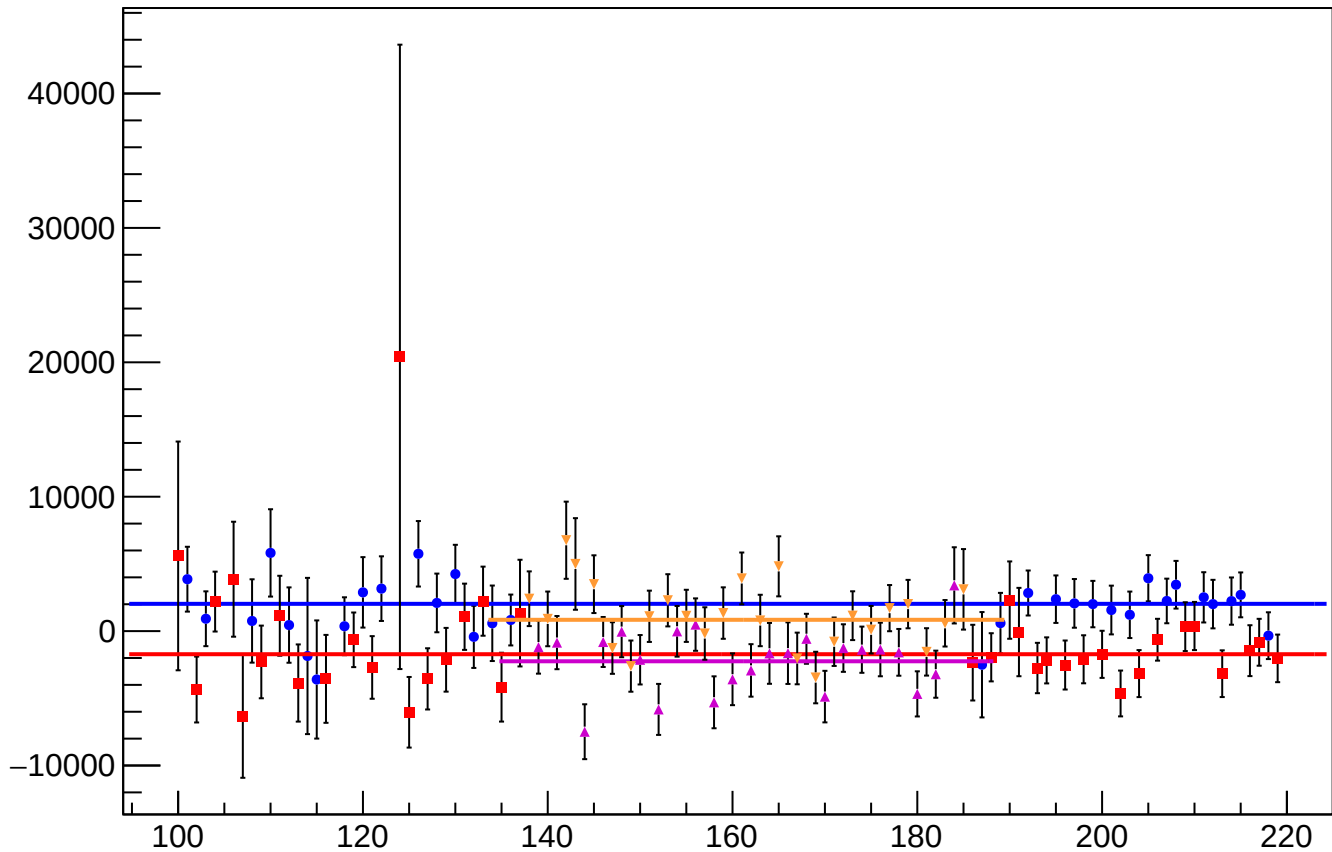
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 3905784.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 17756399.3/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 36745043.0/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 18957665.8/59

reg_asym_atl_avg_mean vs Slug



Right In: 2029.736 ± 368.097 χ^2/NDF : 17.2/31

Left Out: 841.572 ± 394.444 χ^2/NDF : 30.4/24

Right Out: -1718.741 ± 362.803 χ^2/NDF : 30.1/36

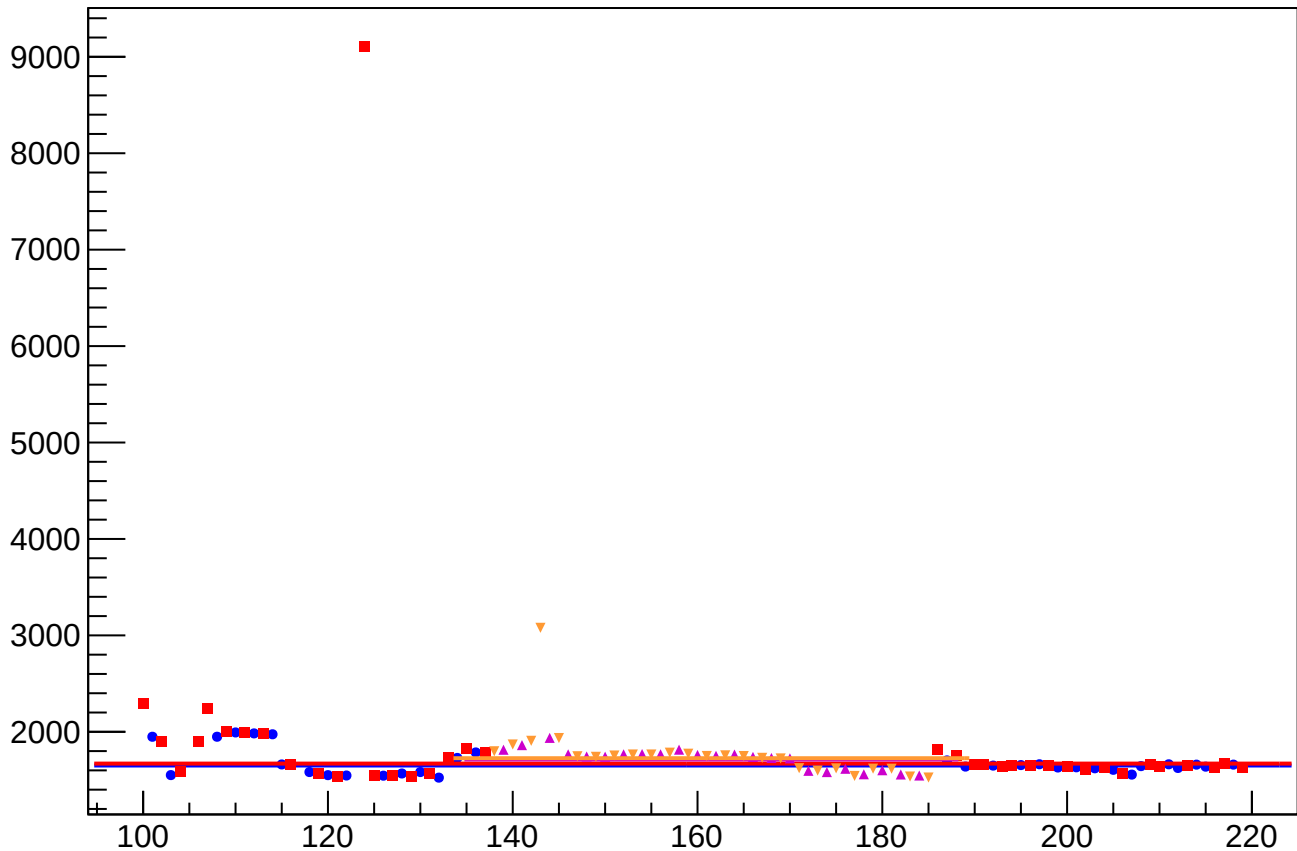
Left In: -2245.041 ± 400.753 χ^2/NDF : 29.4/22

+ sign 1476.658 ± 269.117 χ^2/NDF : 52.4/56

All: -240.577 ± 190.238 χ^2/NDF : 194.2/116

- sign -1955.797 ± 268.959 χ^2/NDF : 60.4/59

reg_asym_atl_avg_rms vs Slug



Right In: 1650.685 $\pm$ 0.260 χ^2 /NDF: 155575.3/31

Left Out: 1726.058 $\pm$ 0.279 χ^2 /NDF: 454930.8/24

Right Out: 1670.336 $\pm$ 0.256 χ^2 /NDF: 421486.7/36

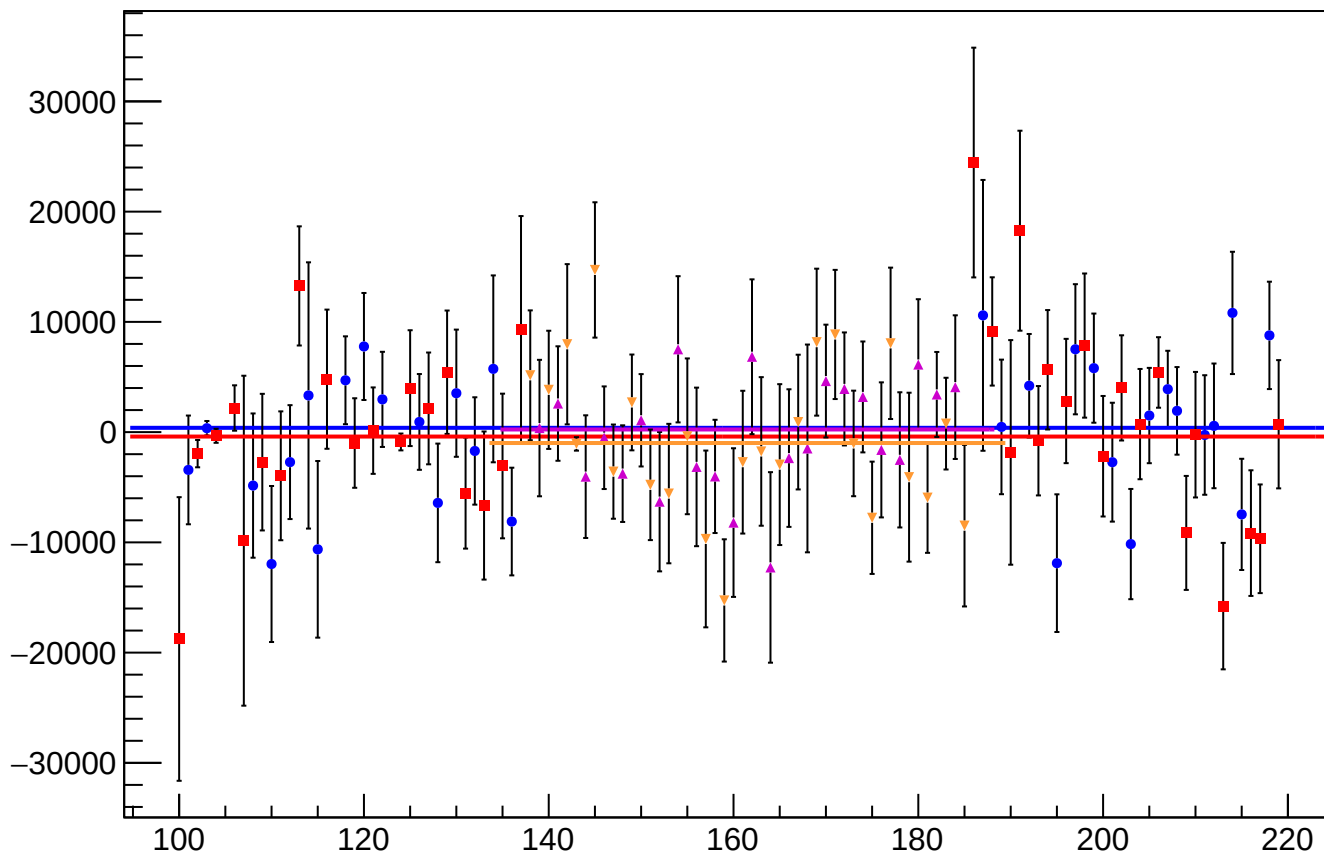
Left In: 1713.156 $\pm$ 0.283 χ^2 /NDF: 129290.6/22

+ sign 1685.771 $\pm$ 0.190 χ^2 /NDF: 649540.3/56

All: 1687.683 $\pm$ 0.134 χ^2 /NDF: 1213085.0/11

- sign 1689.591 $\pm$ 0.190 χ^2 /NDF: 563342.9/59

asym_atl_avg_reg_correction_mean vs Slug



Right In: 391.341 ± 535.737 χ^2/NDF : 38.8/31

Left Out: -987.621 ± 541.250 χ^2/NDF : 30.8/24

Right Out: -401.541 ± 402.933 χ^2/NDF : 55.8/36

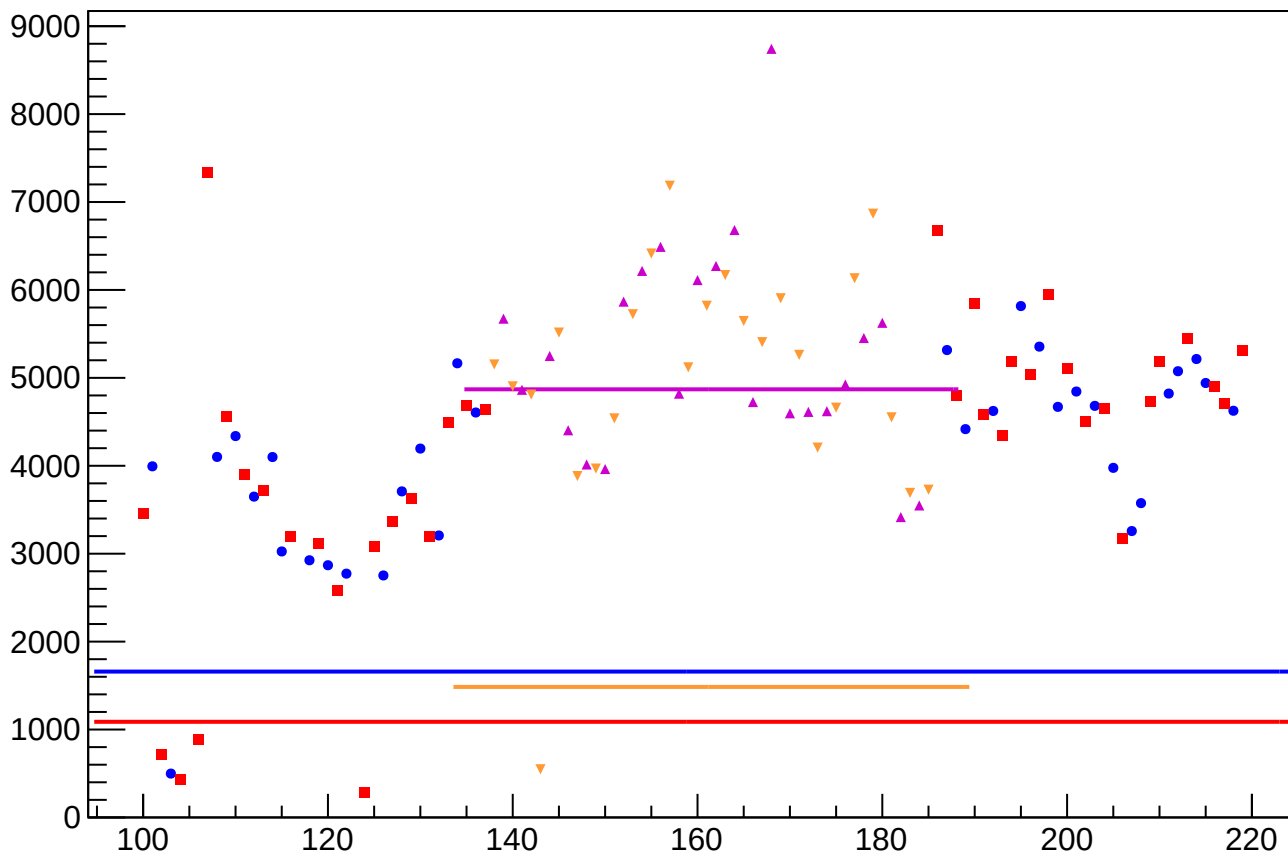
Left In: 239.582 ± 1165.046 χ^2/NDF : 13.5/22

+ sign -291.081 ± 380.757 χ^2/NDF : 72.9/56

All: -312.062 ± 269.252 χ^2/NDF : 142.5/116

- sign -333.047 ± 380.801 χ^2/NDF : 69.6/59

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1659.140+/-0.379 χ^2/NDF : 20785161.6/31

Left Out: 1484.563+/-0.383 χ^2/NDF : 23224946.4/24

Right Out: 1088.039+/-0.285 χ^2/NDF : 27139005.3/36

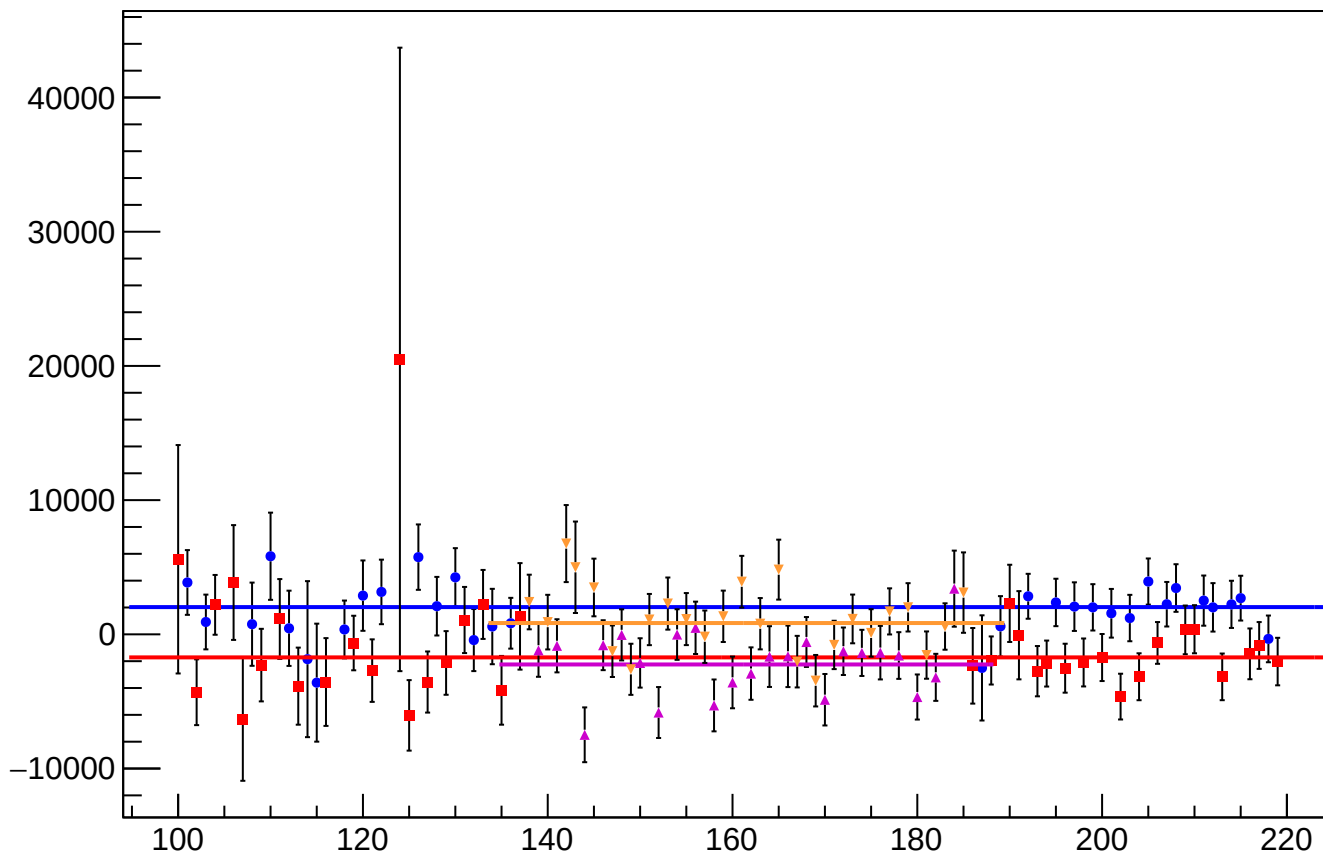
Left In: 4869.707+/-0.824 χ^2/NDF : 1474225.9/22

+ sign 1572.745+/-0.269 χ^2/NDF : 44115207.8/56

All: 1532.403+/-0.190 χ^2/NDF : 91594331.9/100

- sign 1492.051+/-0.269 χ^2/NDF : 47434214.9/59

cor_asym_atl_avg_mean vs Slug



Right In: 2029.776 $\pm$ 368.097 χ^2 /NDF: 17.2/31

Left Out: 841.564 $\pm$ 394.444 χ^2 /NDF: 30.4/24

Right Out: -1717.967 $\pm$ 362.803 χ^2 /NDF: 30.1/36

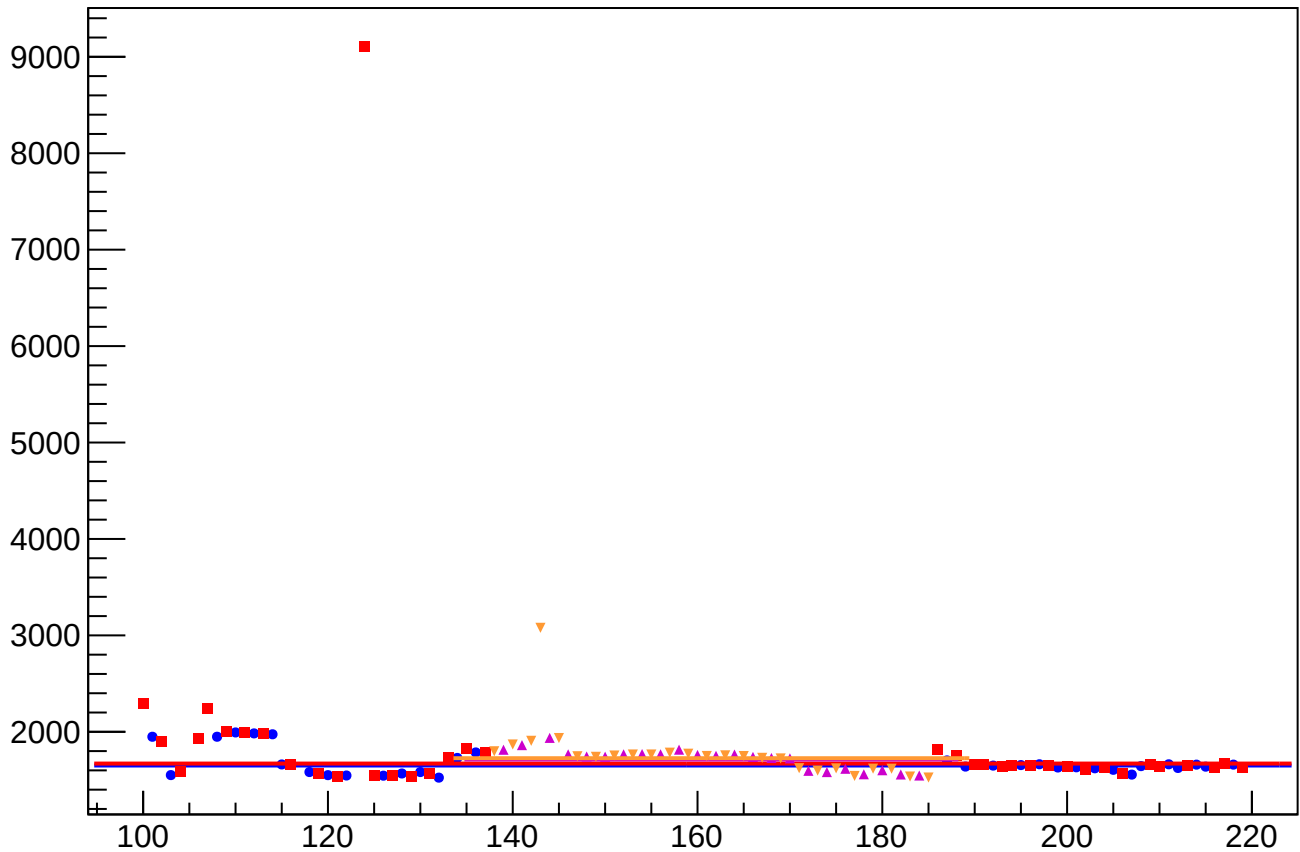
Left In: -2245.061 $\pm$ 400.753 χ^2 /NDF: 29.4/22

+ sign 1476.676 $\pm$ 269.117 χ^2 /NDF: 52.4/56

All: -240.357 $\pm$ 190.239 χ^2 /NDF: 194.2/116

- sign -1955.381 $\pm$ 268.959 χ^2 /NDF: 60.4/59

cor_asym_atl_avg_rms vs Slug



Right In: 1650.685 $\pm$ 0.260 χ^2 /NDF: 155575.4/31

Left Out: 1726.058 $\pm$ 0.279 χ^2 /NDF: 454930.8/24

Right Out: 1670.589 $\pm$ 0.256 χ^2 /NDF: 423612.5/36

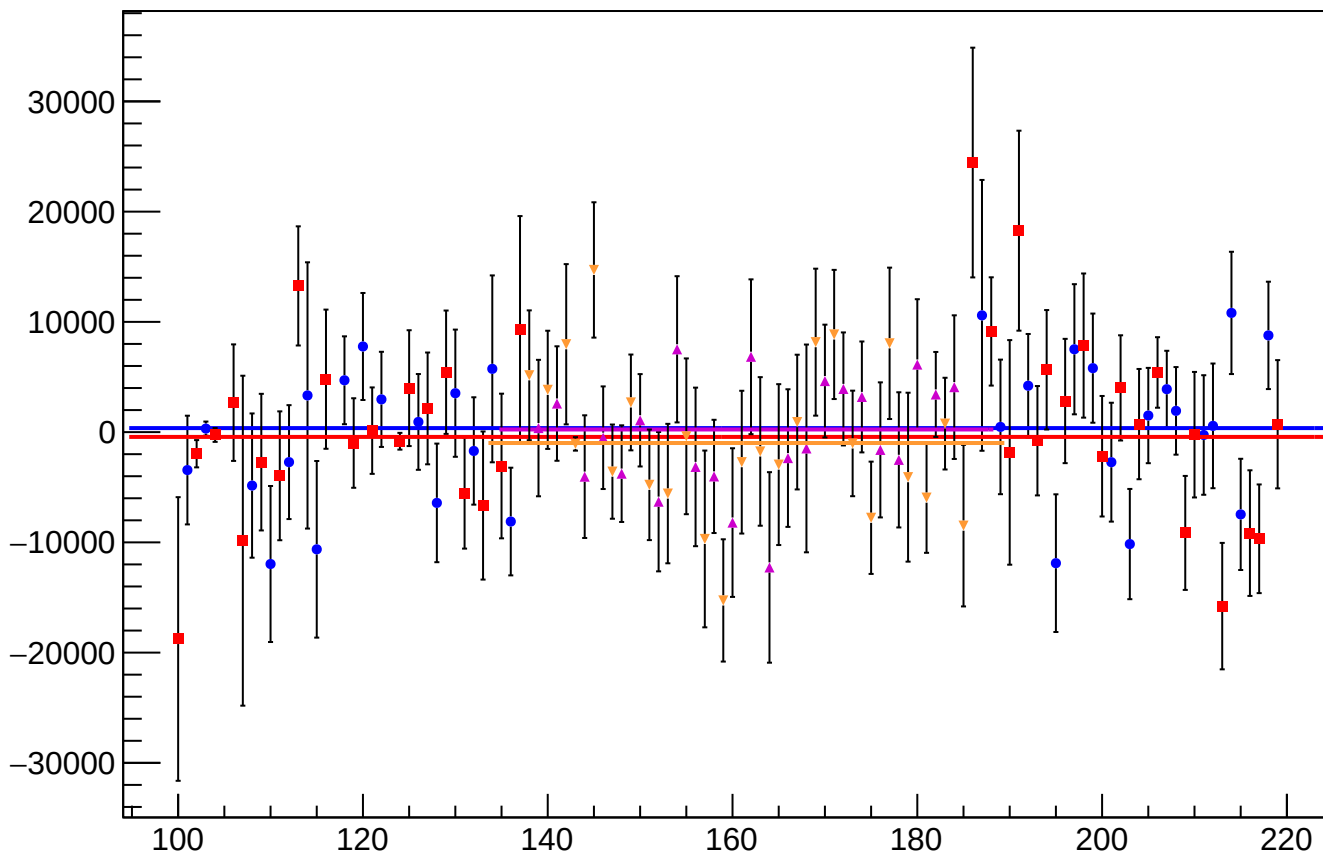
Left In: 1713.156 $\pm$ 0.283 χ^2 /NDF: 129290.6/22

+ sign 1685.771 $\pm$ 0.190 χ^2 /NDF: 649540.4/56

All: 1687.754 $\pm$ 0.134 χ^2 /NDF: 1215076.6/119

- sign 1689.733 $\pm$ 0.190 χ^2 /NDF: 565319.1/59

asym_atl_avg_cor_correction_mean vs Slug



Right In: 365.827 ± 526.589 χ^2/NDF : 38.8/31

Left Out: -987.291 ± 541.232 χ^2/NDF : 30.8/24

Right Out: -434.800 ± 407.906 χ^2/NDF : 54.5/36

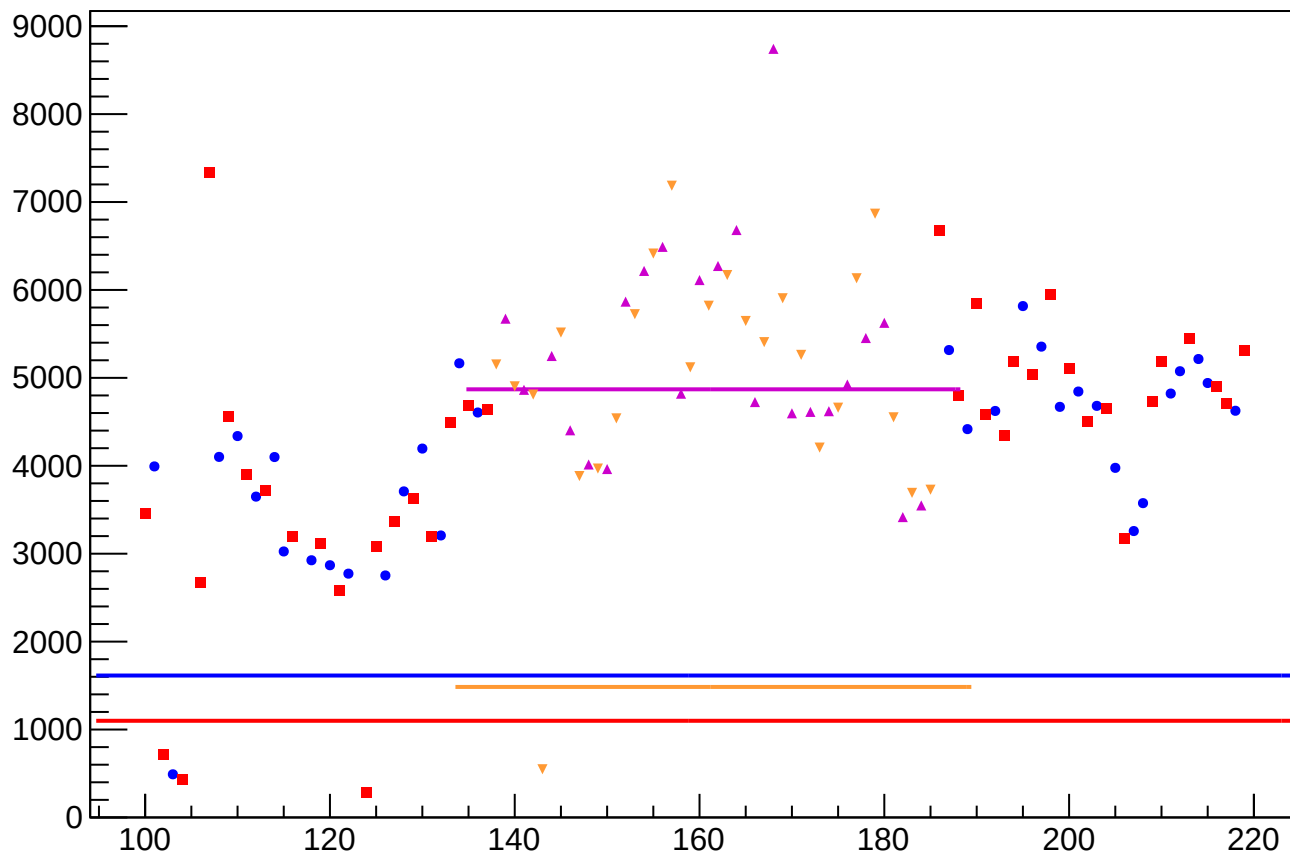
Left In: 239.478 ± 1165.045 χ^2/NDF : 13.5/22

+ sign -292.180 ± 377.425 χ^2/NDF : 72.8/56

All: -325.990 ± 269.515 χ^2/NDF : 141.2/116

- sign -361.170 ± 384.991 χ^2/NDF : 68.4/59

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1614.305 $\pm$ 0.372 χ^2 /NDF: 21192520.6/31

Left Out: 1484.485 $\pm$ 0.383 χ^2 /NDF: 23225570.5/24

Right Out: 1099.539 $\pm$ 0.288 χ^2 /NDF: 27353439.4/36

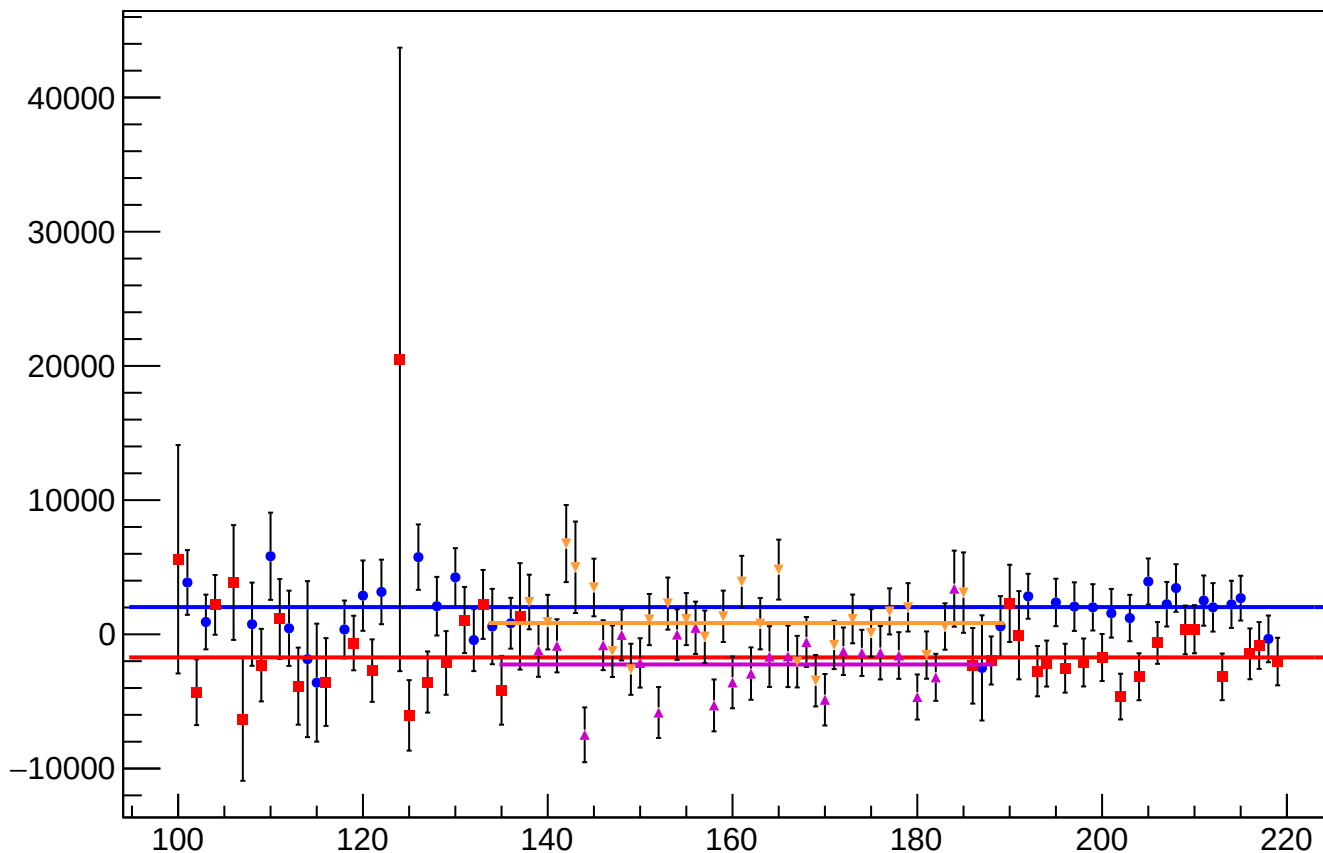
Left In: 4869.699 $\pm$ 0.824 χ^2 /NDF: 1474252.6/22

+ sign 1551.175 $\pm$ 0.267 χ^2 /NDF: 44477202.3/56

All: 1531.601 $\pm$ 0.191 χ^2 /NDF: 91973022.7/1

- sign 1511.234 $\pm$ 0.272 χ^2 /NDF: 47484843.5/59

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 2029.776 ± 368.097 χ^2/NDF : 17.2/31

Left Out: 841.564 ± 394.444 χ^2/NDF : 30.4/24

Right Out: -1717.967 ± 362.803 χ^2/NDF : 30.1/36

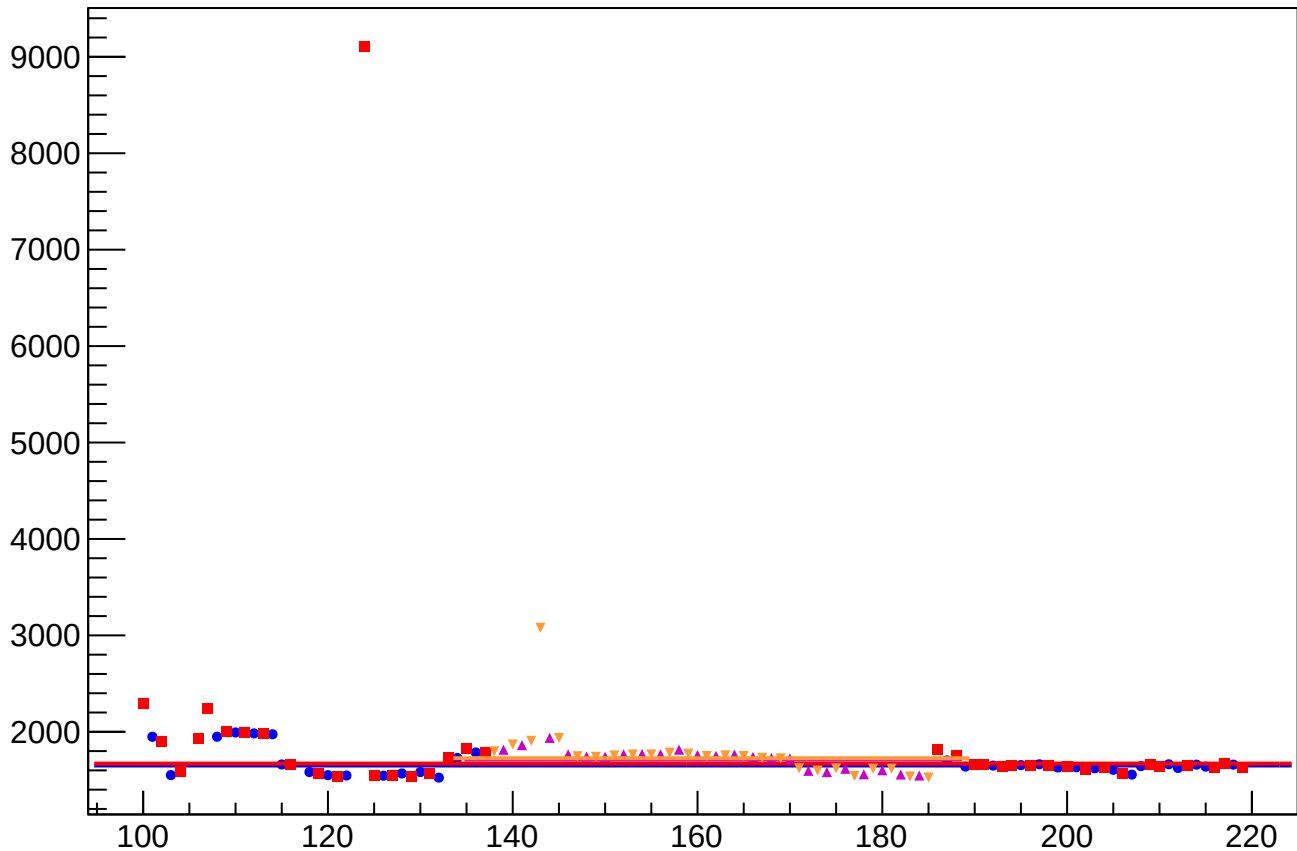
Left In: -2245.061 ± 400.753 χ^2/NDF : 29.4/22

+ sign 1476.676 ± 269.117 χ^2/NDF : 52.4/56

All: -240.357 ± 190.239 χ^2/NDF : 194.2/116

- sign -1955.381 ± 268.959 χ^2/NDF : 60.4/59

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1650.685 $\pm$ 0.260 χ^2 /NDF: 155575.4/31

Left Out: 1726.058 $\pm$ 0.279 χ^2 /NDF: 454930.8/24

Right Out: 1670.589 $\pm$ 0.256 χ^2 /NDF: 423612.5/36

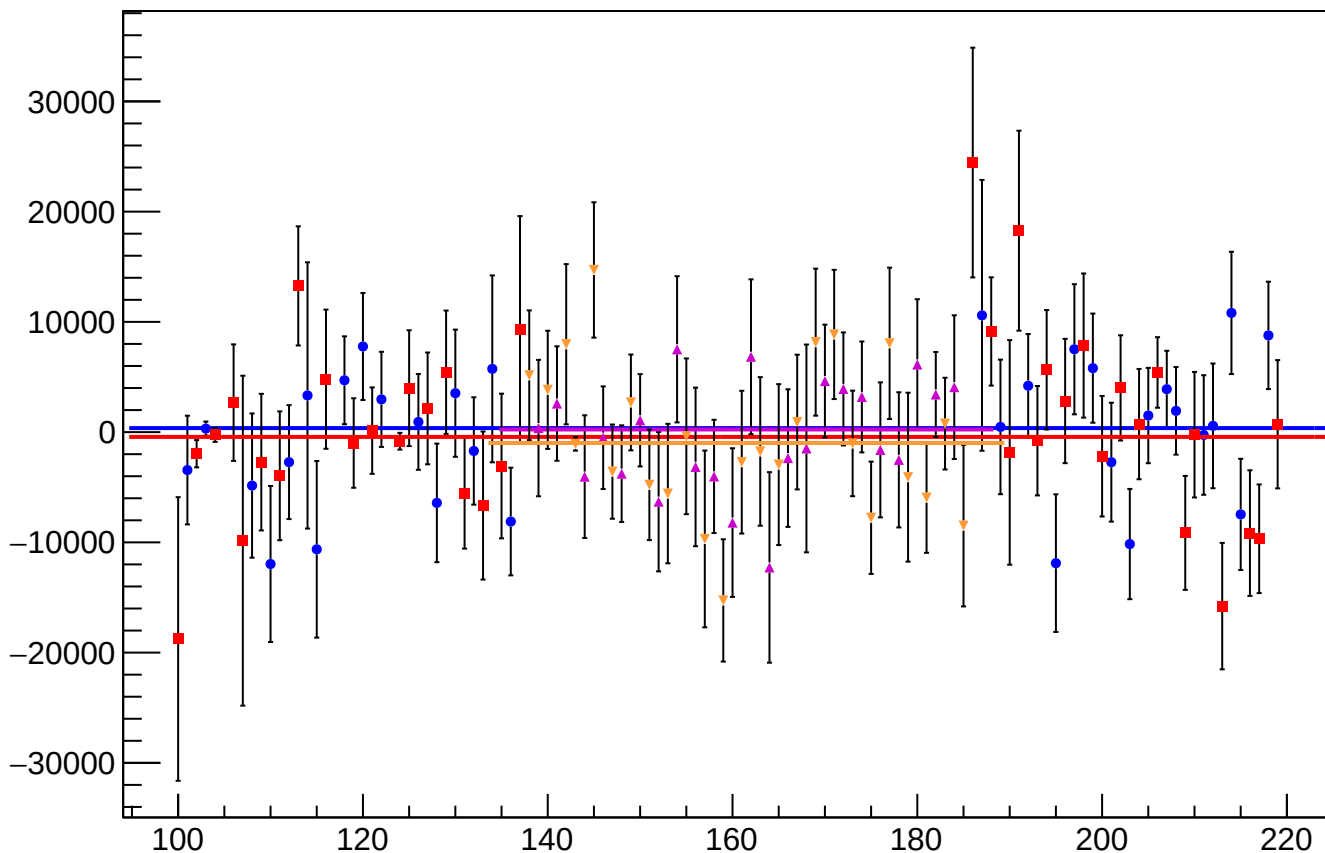
Left In: 1713.156 $\pm$ 0.283 χ^2 /NDF: 129290.6/22

+ sign 1685.771 $\pm$ 0.190 χ^2 /NDF: 649540.4/56

All: 1687.754 $\pm$ 0.134 χ^2 /NDF: 1215076.6/111

- sign 1689.733 $\pm$ 0.190 χ^2 /NDF: 565319.1/59

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 365.827 ± 526.589 χ^2/NDF : 38.8/31

Left Out: -987.291 ± 541.232 χ^2/NDF : 30.8/24

Right Out: -434.800 ± 407.906 χ^2/NDF : 54.5/36

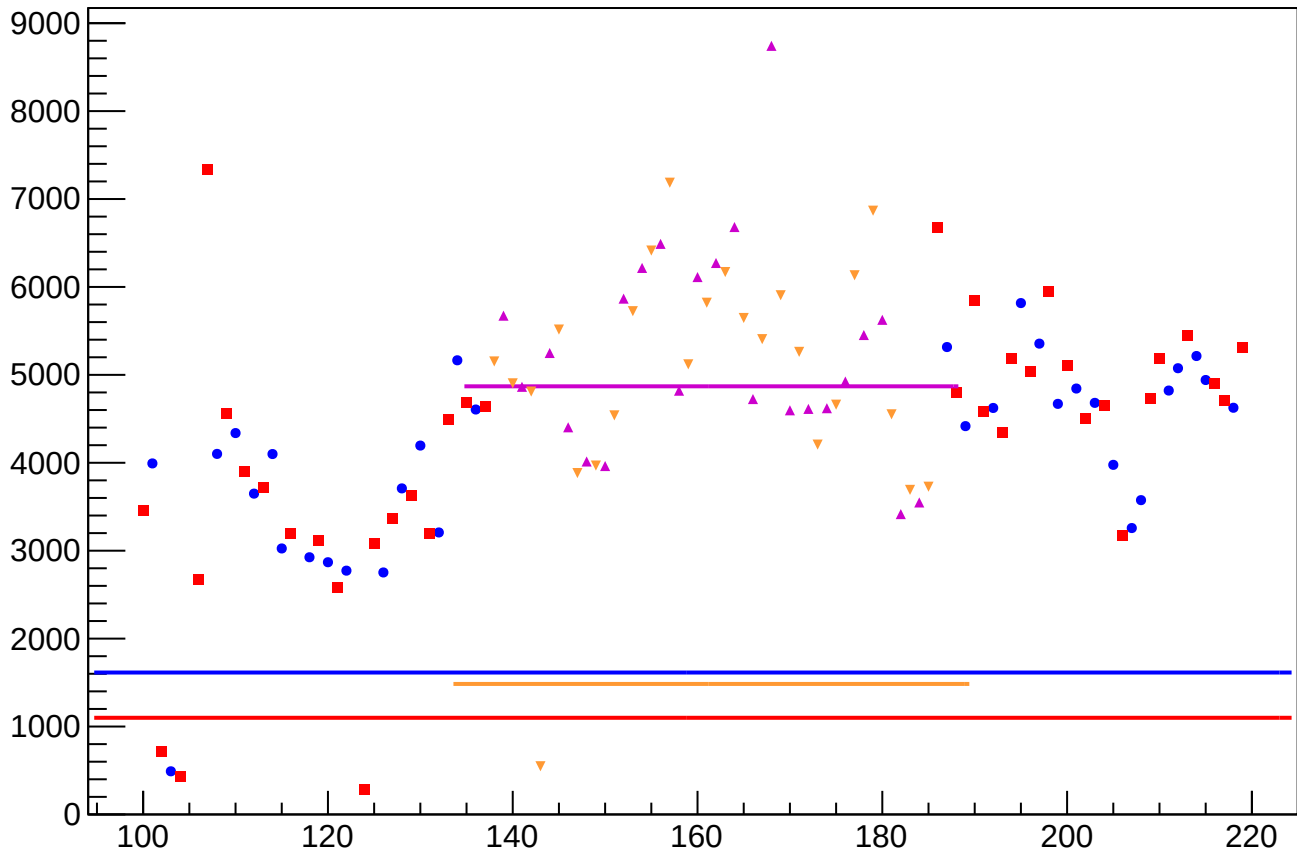
Left In: 239.478 ± 1165.045 χ^2/NDF : 13.5/22

+ sign -292.180 ± 377.425 χ^2/NDF : 72.8/56

All: -325.990 ± 269.515 χ^2/NDF : 141.2/116

- sign -361.170 ± 384.991 χ^2/NDF : 68.4/59

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1614.305+/-0.372 χ^2/NDF : 21192520.6/31

Left Out: 1484.485+/-0.383 χ^2/NDF : 23225570.5/24

Right Out: 1099.539+/-0.288 χ^2/NDF : 27353439.4/36

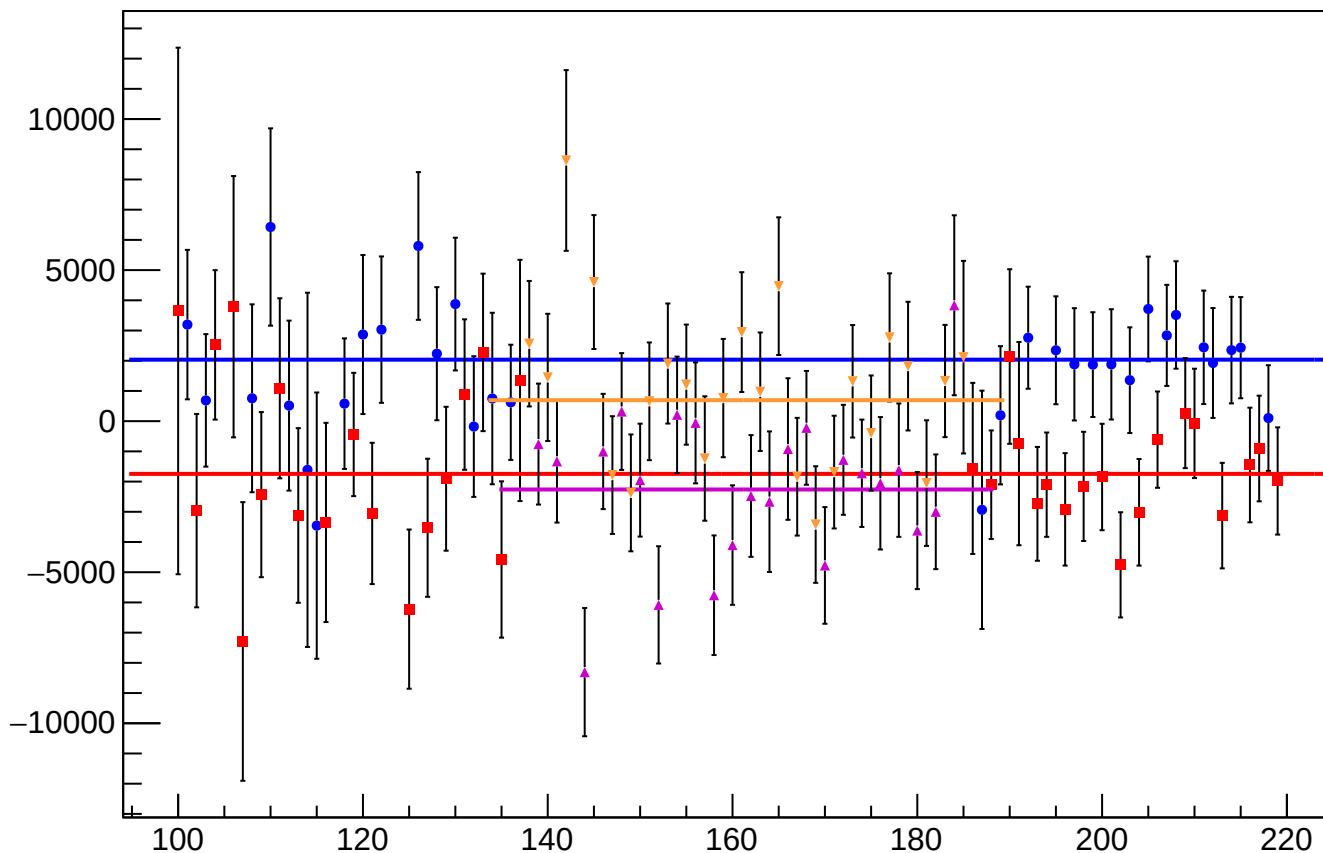
Left In: 4869.699+/-0.824 χ^2/NDF : 1474252.6/22

+ sign 1551.175+/-0.267 χ^2/NDF : 44477202.3/56

All: 1531.601+/-0.191 χ^2/NDF : 91973022.7/1

- sign 1511.234+/-0.272 χ^2/NDF : 47484843.5/59

dit_asym_atl_avg_mean vs Slug



Right In: 2035.668 $\pm$ 371.782 χ^2 /NDF: 16.1/31

Left Out: 694.317 $\pm$ 418.051 χ^2 /NDF:32.2/23

Right Out: -1744.905 $\pm$ 368.411 χ^2 /NDF: 27.2/35

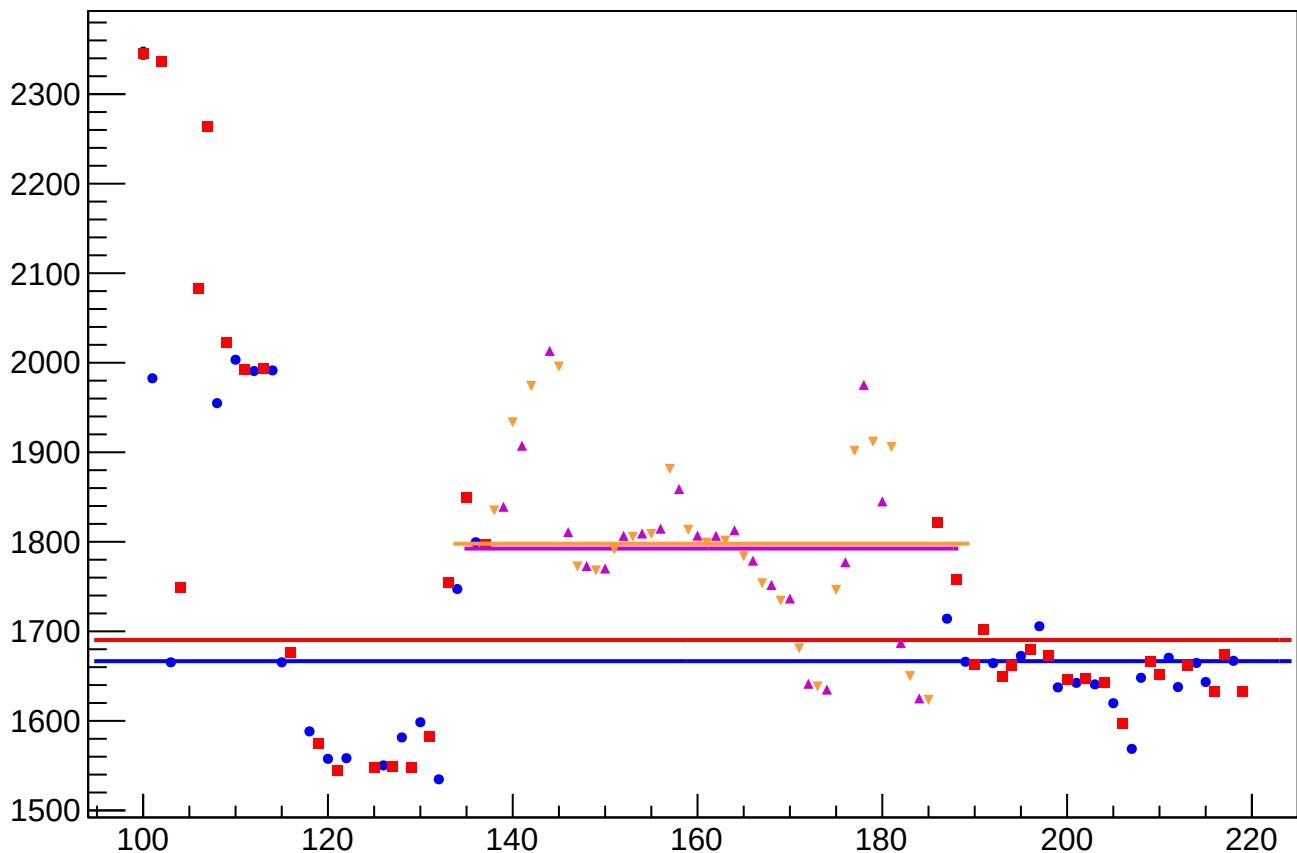
Left In: -2261.767 $\pm$ 419.177 χ^2 /NDF:30.4/22

+ sign 1443.300 $\pm$ 277.814 χ^2 /NDF: 54.1/55

All: -270.141 $\pm$ 196.057 χ^2 /NDF: 188.4/114

- sign -1970.159 $\pm$ 276.723 χ^2 /NDF: 58.5/58

dit_asym_atl_avg_rms vs Slug



Right In: 1666.685 $\pm$ 0.263 χ^2 /NDF: 153015.9/31

Left Out: 1797.909 $\pm$ 0.296 χ^2 /NDF: 98002.1/23

Right Out: 1690.339 $\pm$ 0.260 χ^2 /NDF: 291331.9/35

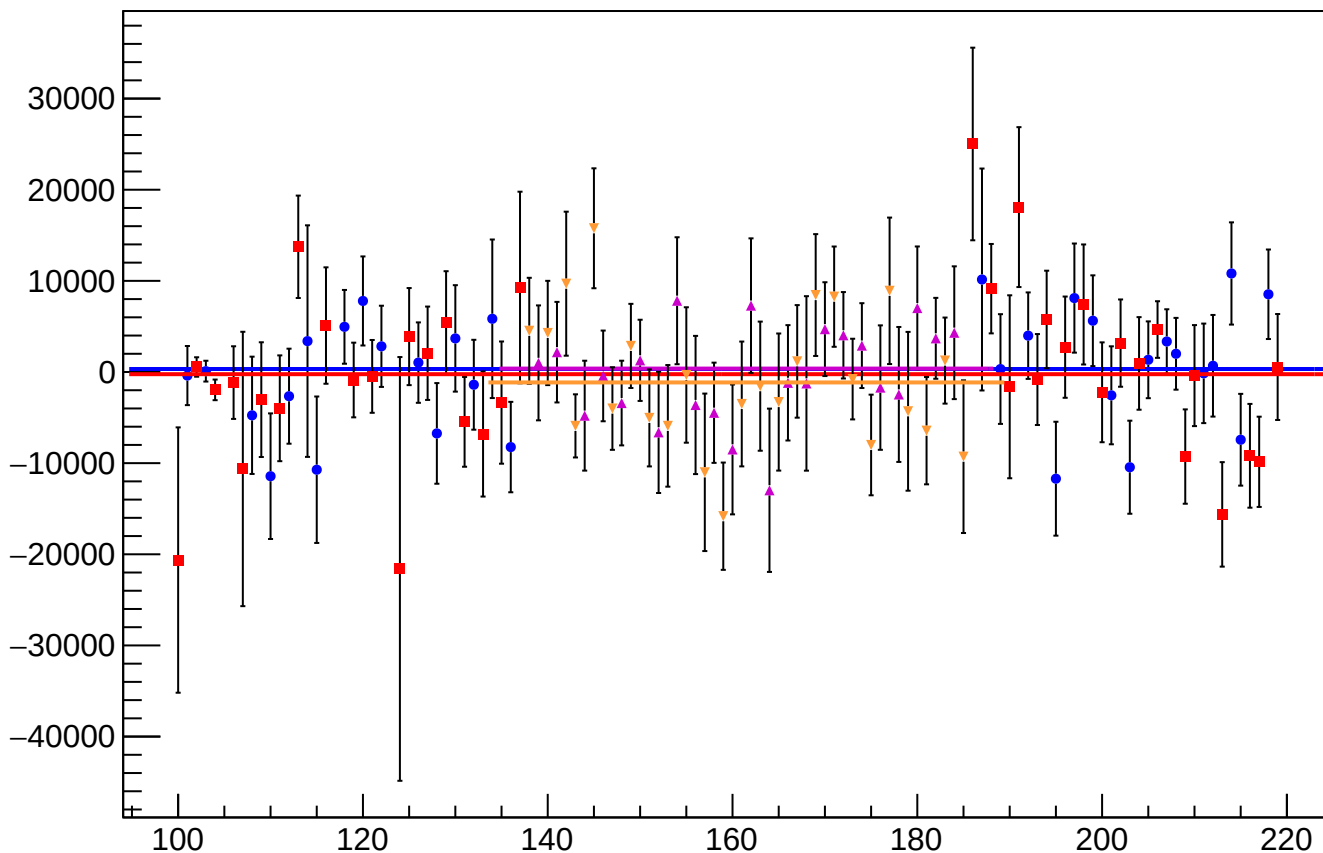
Left In: 1792.450 $\pm$ 0.296 χ^2 /NDF: 92875.2/22

+ sign 1724.636 $\pm$ 0.196 χ^2 /NDF: 361053.1/55

All: 1729.743 $\pm$ 0.139 χ^2 /NDF: 813605.5/114

- sign 1734.805 $\pm$ 0.196 χ^2 /NDF: 451206.9/58

asym_atl_avg_dit_correction_mean vs Slug



Right In: 330.350 ± 715.542 $\chi^2/\text{NDF}: 37.5/31$

Left Out: -1144.405 ± 1164.458 $\chi^2/\text{NDF}: 32.6/24$

Right Out: -238.283 ± 598.365 $\chi^2/\text{NDF}: 55.0/36$

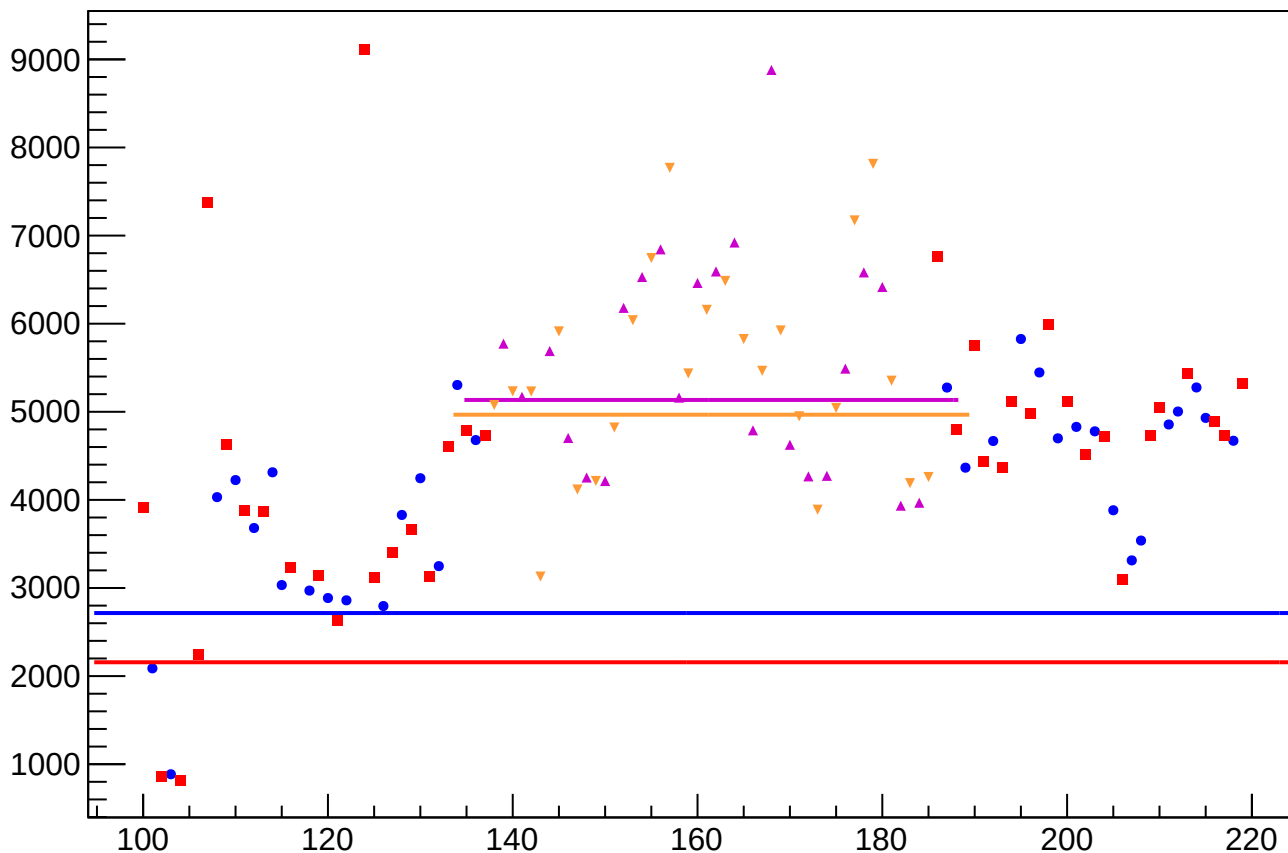
Left In: 374.927 ± 1228.699 $\chi^2/\text{NDF}: 13.3/22$

+ sign -73.874 ± 609.642 $\chi^2/\text{NDF}: 71.2/56$

All: -100.218 ± 403.371 $\chi^2/\text{NDF}: 139.7/116$

- sign -120.732 ± 537.964 $\chi^2/\text{NDF}: 68.4/59$

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2715.672 $\pm$ 0.506 χ^2 /NDF: 10750205.2/31

Left Out: 4966.879 $\pm$ 0.823 χ^2 /NDF: 1917937.7/24

Right Out: 2156.923 $\pm$ 0.423 χ^2 /NDF: 16820162.9/36

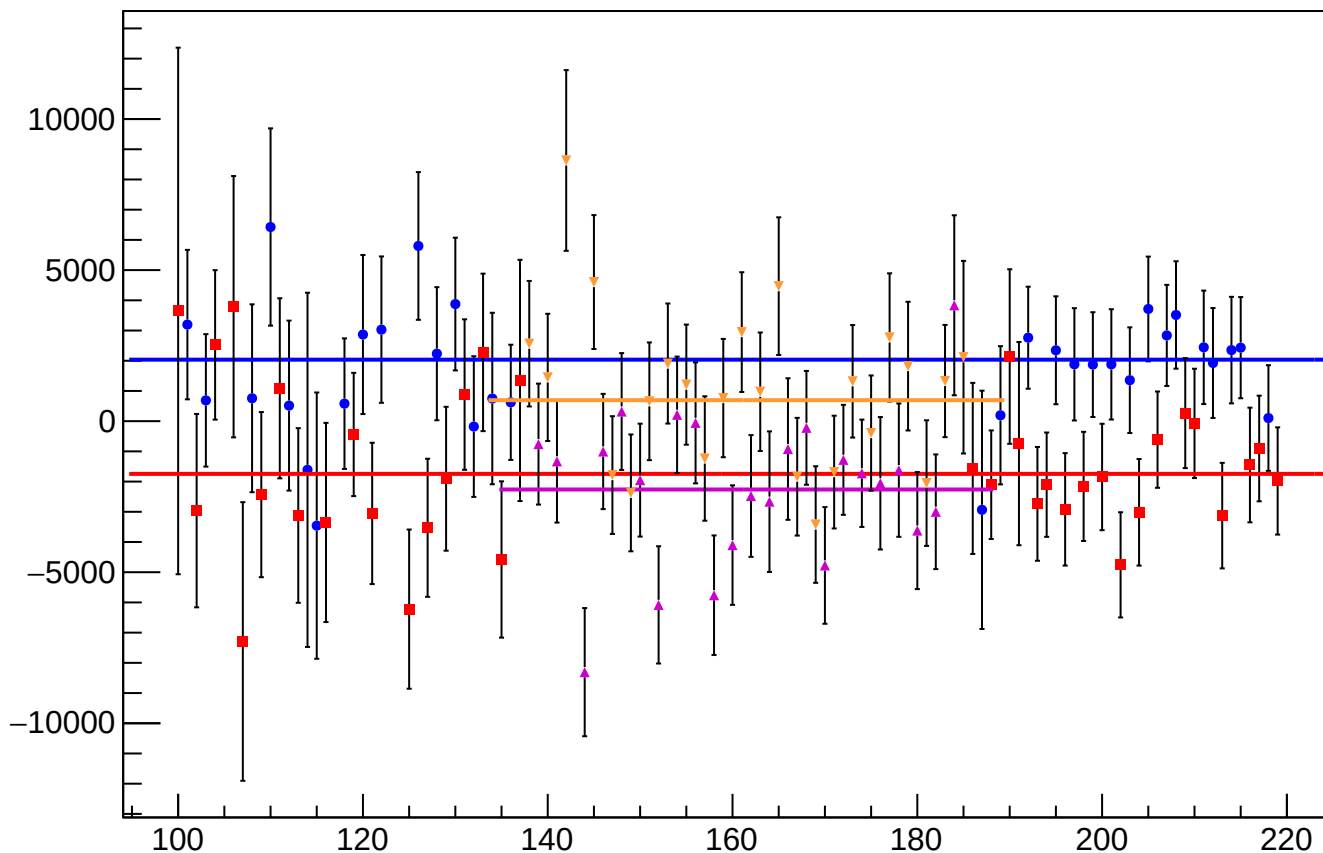
Left In: 5134.445 $\pm$ 0.869 χ^2 /NDF: 1487075.9/22

+ sign 3332.718 $\pm$ 0.431 χ^2 /NDF: 18094299.9/56

All: 2992.570 $\pm$ 0.285 χ^2 /NDF: 47002379.8/100

- sign 2727.705 $\pm$ 0.380 χ^2 /NDF: 27800660.8/59

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 2035.667 $\pm$ 371.782 χ^2 /NDF: 16.1/31

Left Out: 694.313 $\pm$ 418.051 χ^2 /NDF:32.2/23

Right Out: -1744.901 $\pm$ 368.411 χ^2 /NDF: 27.2/35

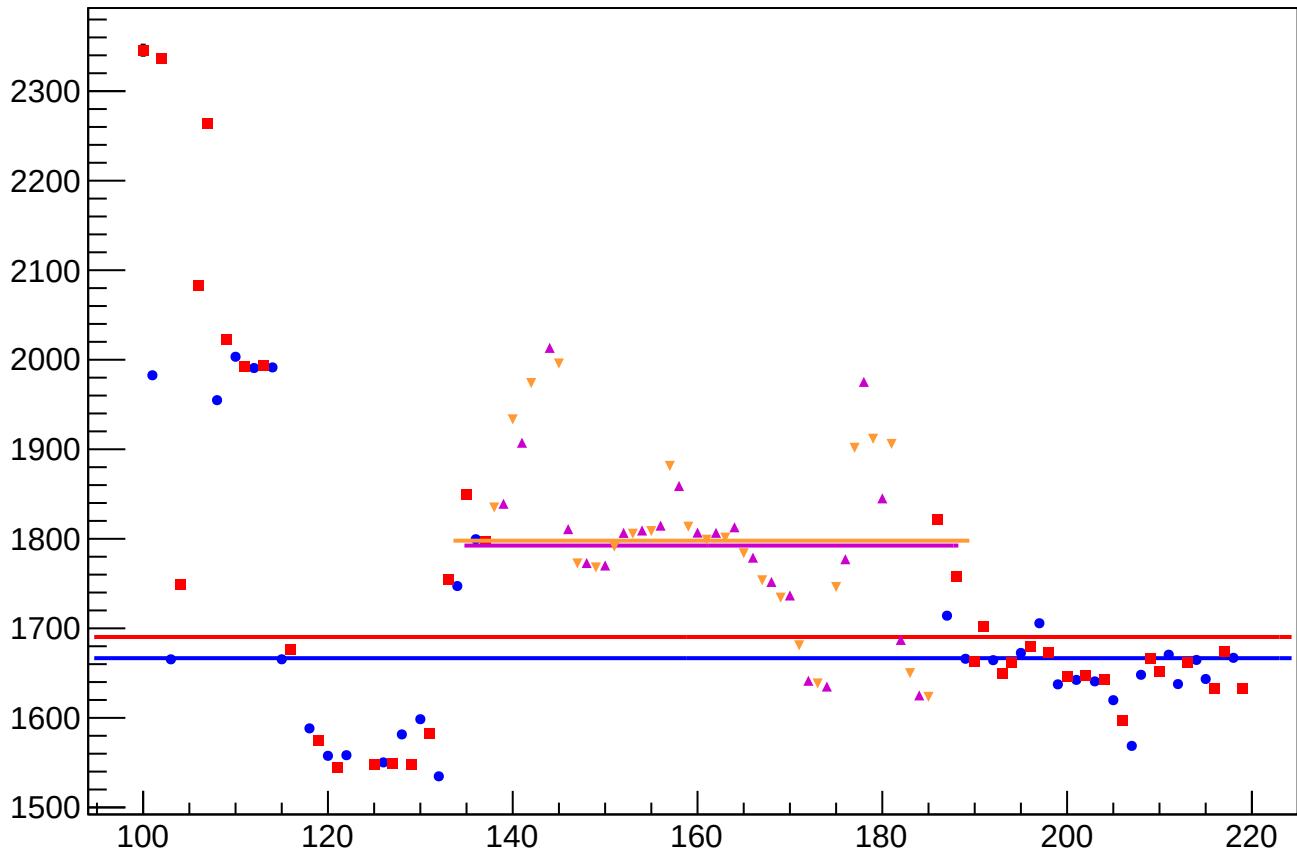
Left In: -2261.767 $\pm$ 419.177 χ^2 /NDF:30.4/22

+ sign 1443.298 $\pm$ 277.814 χ^2 /NDF: 54.1/55

All: -270.140 $\pm$ 196.057 χ^2 /NDF: 188.4/114

- sign -1970.156 $\pm$ 276.723 χ^2 /NDF: 58.5/58

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1666.685 $\pm$ 0.263 χ^2 /NDF: 153016.1/31

Left Out: 1797.911 $\pm$ 0.296 χ^2 /NDF:98005.5/23

Right Out: 1690.339 $\pm$ 0.260 χ^2 /NDF: 291331.4/35

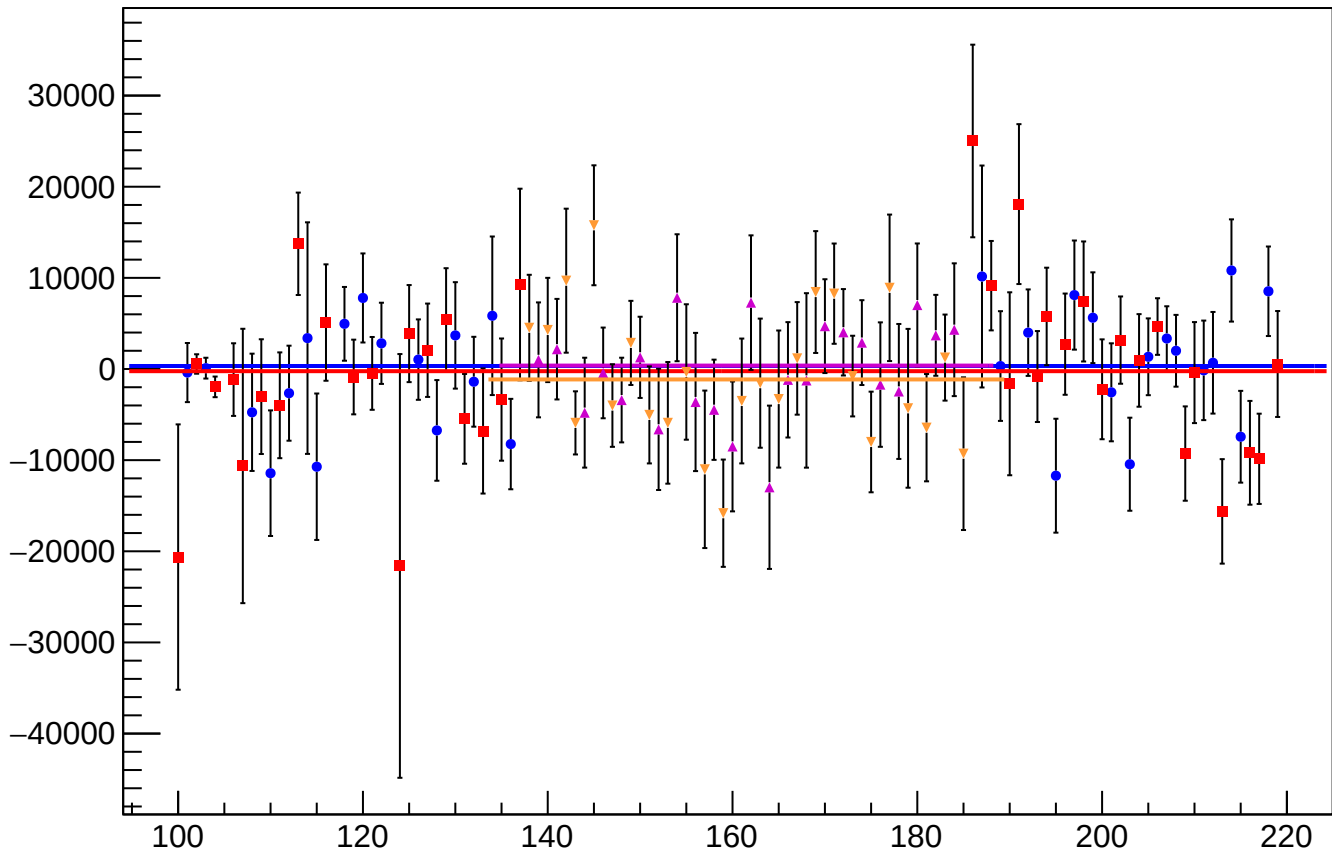
Left In: 1792.451 $\pm$ 0.296 χ^2 /NDF:92878.6/22

+ sign 1724.637 $\pm$ 0.196 χ^2 /NDF: 361059.0/55

All: 1729.743 $\pm$ 0.139 χ^2 /NDF: 813615.9/114

- sign 1734.805 $\pm$ 0.196 χ^2 /NDF: 451211.5/58

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 330.349 $\pm$ 715.540 χ^2 /NDF: 37.5/31

Left Out: -1144.411 $\pm$ 1164.460 χ^2 /NDF:32.6/24

Right Out: -238.286 $\pm$ 598.362 χ^2 /NDF: 55.0/36

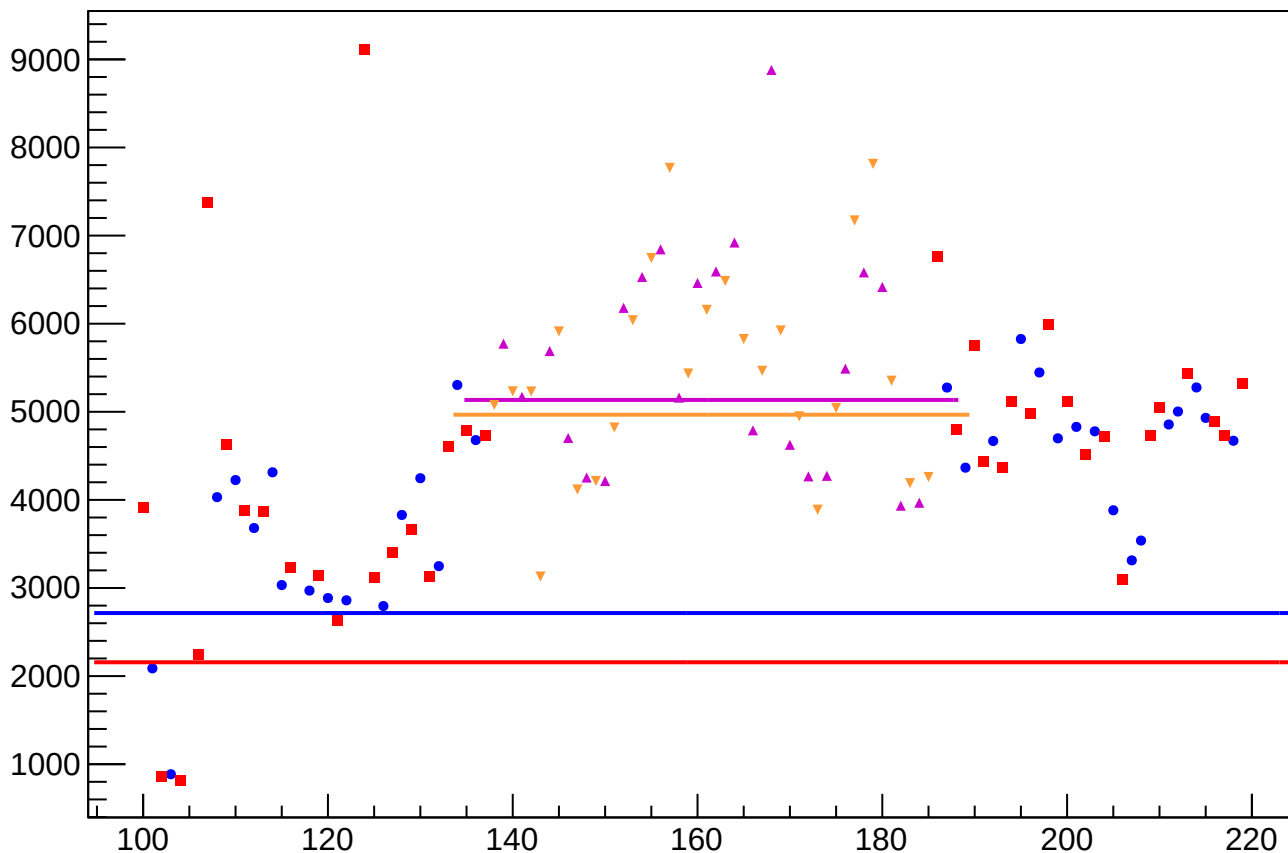
Left In: 374.928 $\pm$ 1228.701 χ^2 /NDF:13.3/22

+ sign -73.873 $\pm$ 609.641 χ^2 /NDF: 71.2/56

All: -100.220 $\pm$ 403.370 χ^2 /NDF: 139.7/116

- sign -120.736 $\pm$ 537.962 χ^2 /NDF: 68.4/59

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2715.655 $\pm$ 0.506 χ^2 /NDF: 10750365.4/31

Left Out: 4966.886 $\pm$ 0.823 χ^2 /NDF: 1917943.9/24

Right Out: 2156.904 $\pm$ 0.423 χ^2 /NDF: 16820333.4/36

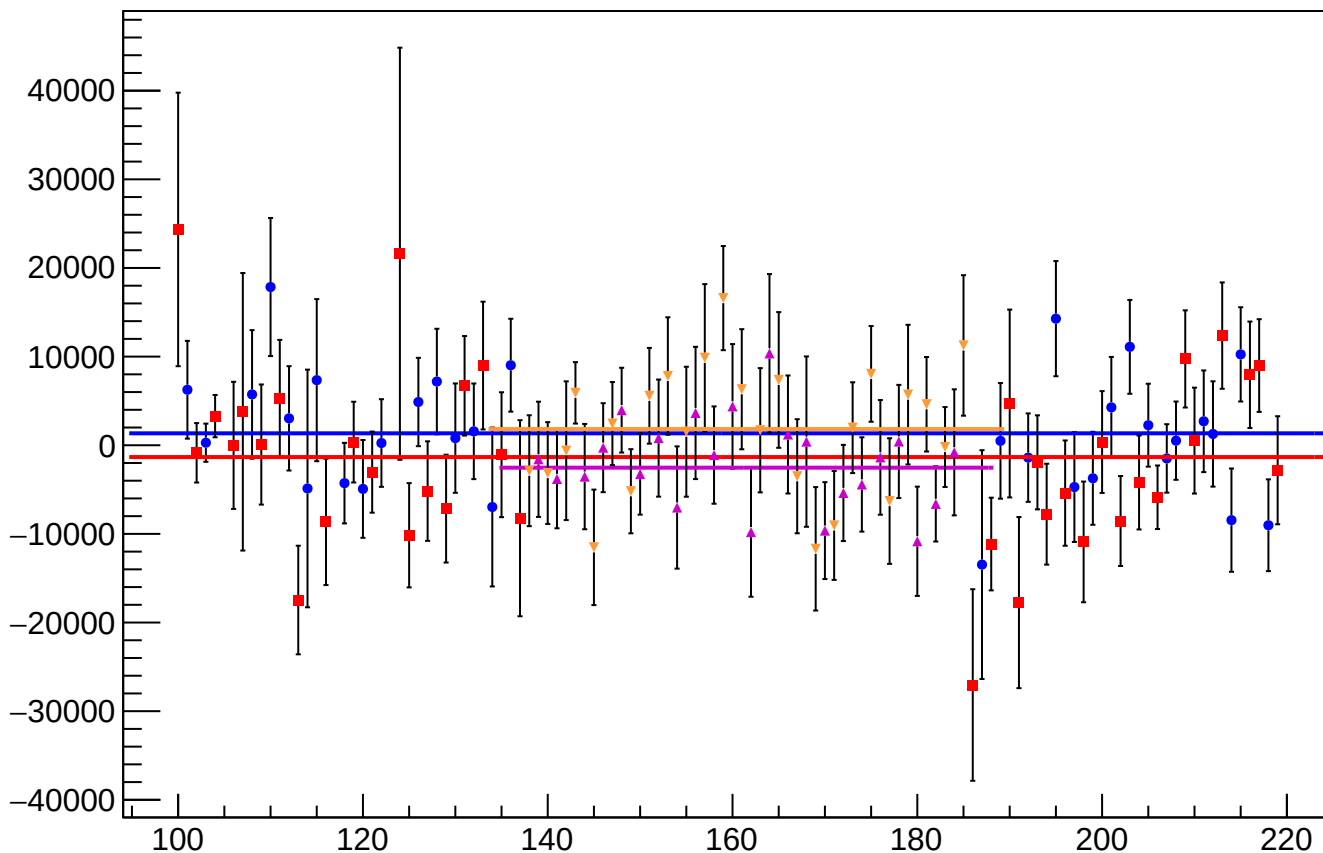
Left In: 5134.453 $\pm$ 0.869 χ^2 /NDF: 1487077.8/22

+ sign 3332.703 $\pm$ 0.431 χ^2 /NDF: 18094584.2/56

All: 2992.552 $\pm$ 0.285 χ^2 /NDF: 47003028.7/100

- sign 2727.685 $\pm$ 0.380 χ^2 /NDF: 27801001.0/59

asym_atl_avg_mean vs Slug



Right In: 1346.173+/-921.357 χ^2/NDF : 35.4/31

Left Out: 1826.201+/-1172.478 χ^2/NDF : 31.1/24

Right Out: -1331.849+/-915.616 χ^2/NDF : 61.0/36

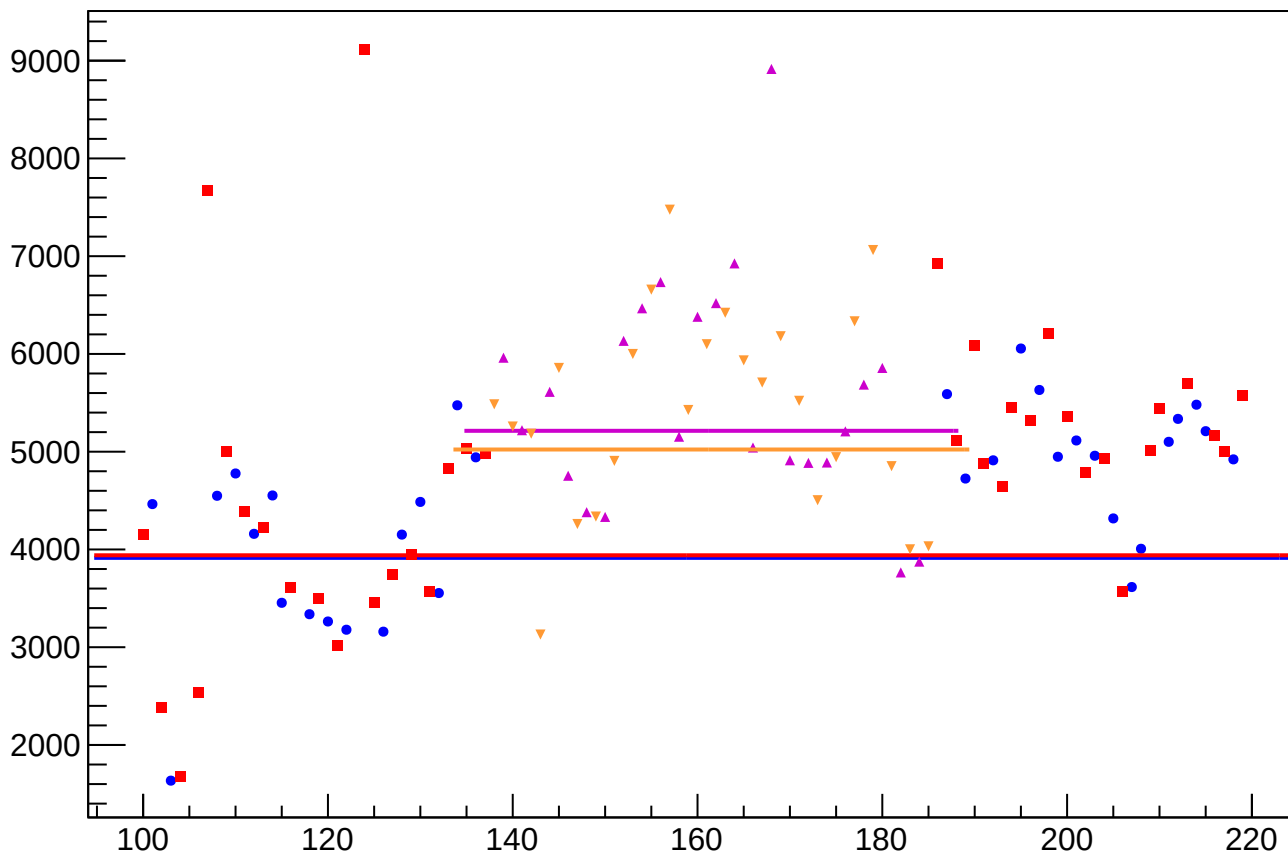
Left In: -2529.501+/-1242.040 χ^2/NDF : 13.2/22

+ sign 1529.432+/-724.442 χ^2/NDF : 66.6/56

All: -83.847+/-516.641 χ^2/NDF : 151.5/116

- sign -1753.541+/-737.000 χ^2/NDF : 74.8/59

asym_atl_avg_rms vs Slug



Right In: 3914.214 ± 0.651 χ^2/NDF : 3958201.7/31

Left Out: 5022.407 ± 0.829 χ^2/NDF : 1676611.8/24

Right Out: 3940.359 ± 0.642 χ^2/NDF : 4714306.6/36

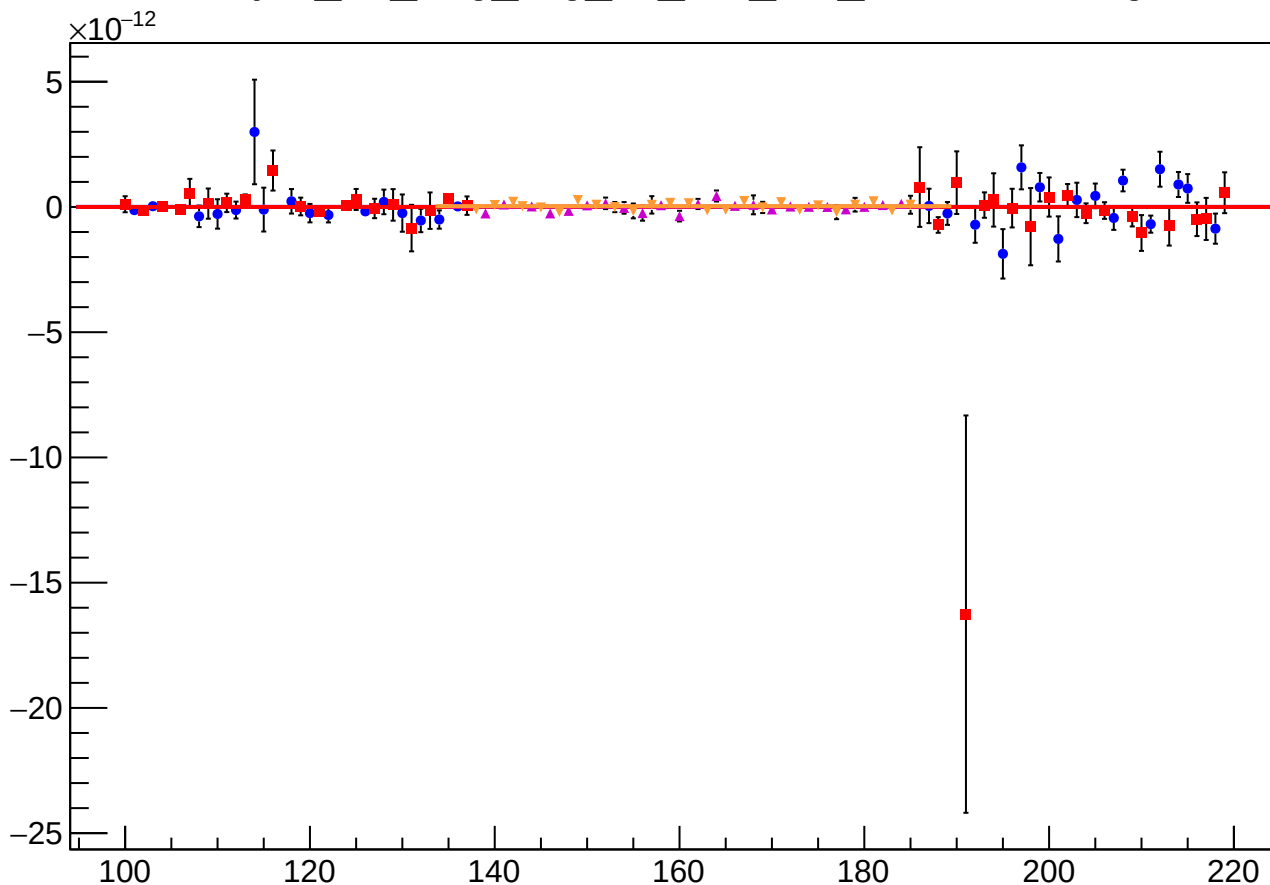
Left In: 5213.625 ± 0.878 χ^2/NDF : 1223192.9/22

+ sign 4337.285 ± 0.512 χ^2/NDF : 6739410.2/56

All: 4360.218 ± 0.364 χ^2/NDF : 14050970.8/100

- sign 4383.690 ± 0.518 χ^2/NDF : 7307505.1/59

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 46.2/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.9/36

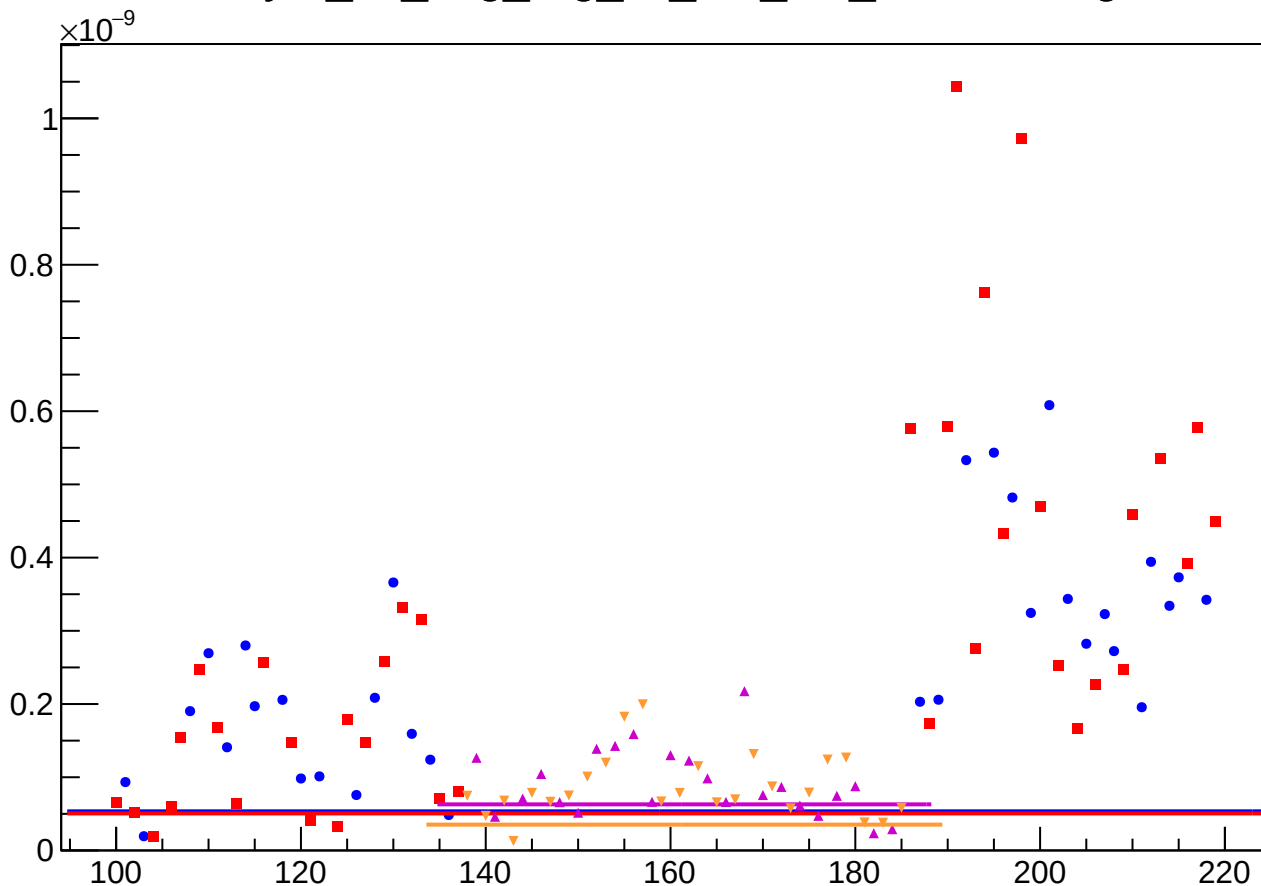
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 71.7/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 124.3/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.2/59

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11161939.8/31

Left Out: 0.000+/-0.000 χ^2/NDF : 6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11846643.7/36

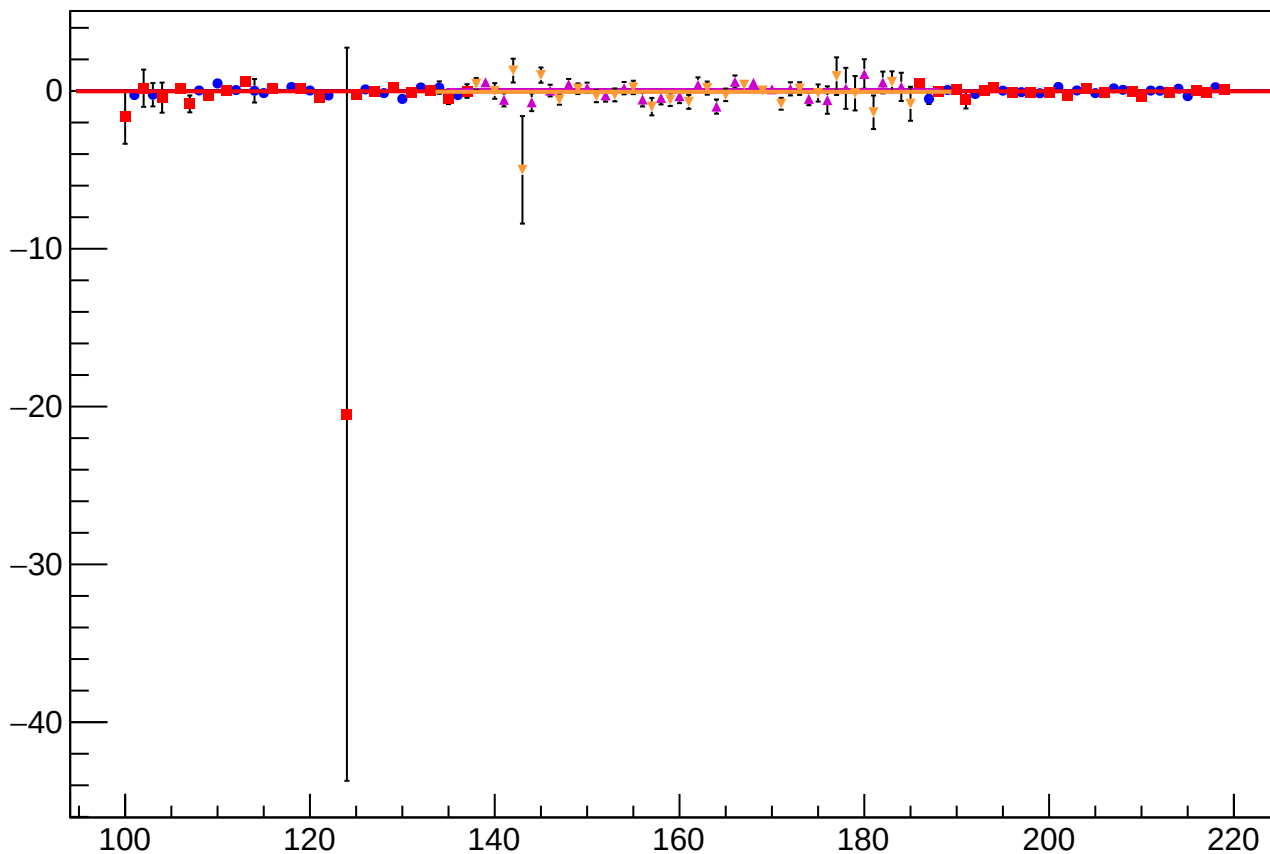
Left In: 0.000+/-0.000 χ^2/NDF : 2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 18135335.8/56

All: 0.000+/-0.000 χ^2/NDF : 34034702.1/116

- sign 0.000+/-0.000 χ^2/NDF : 14955298.1/59

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.032 χ^2/NDF : 39.3/31

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: -0.021 ± 0.030 χ^2/NDF : 37.4/36

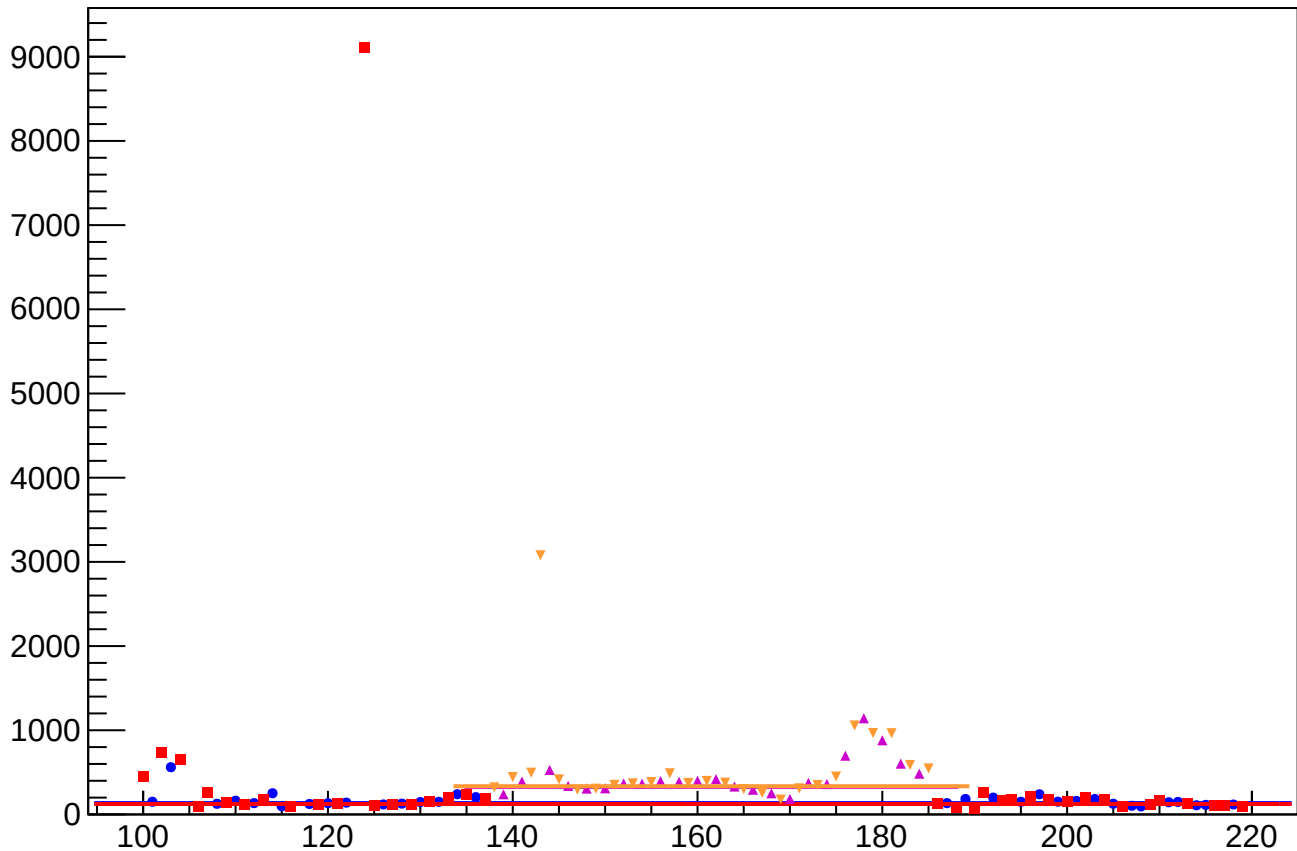
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.008 ± 0.030 χ^2/NDF : 72.8/56

All: -0.010 ± 0.021 χ^2/NDF : 139.1/116

- sign -0.012 ± 0.028 χ^2/NDF : 66.3/59

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 134.791 $\pm$ 0.023 χ^2 /NDF: 2522849.4/31

Left Out: 335.166 $\pm$ 0.060 χ^2 /NDF: 5852083.8/24

Right Out: 124.302 $\pm$ 0.021 χ^2 /NDF: 4536761.6/36

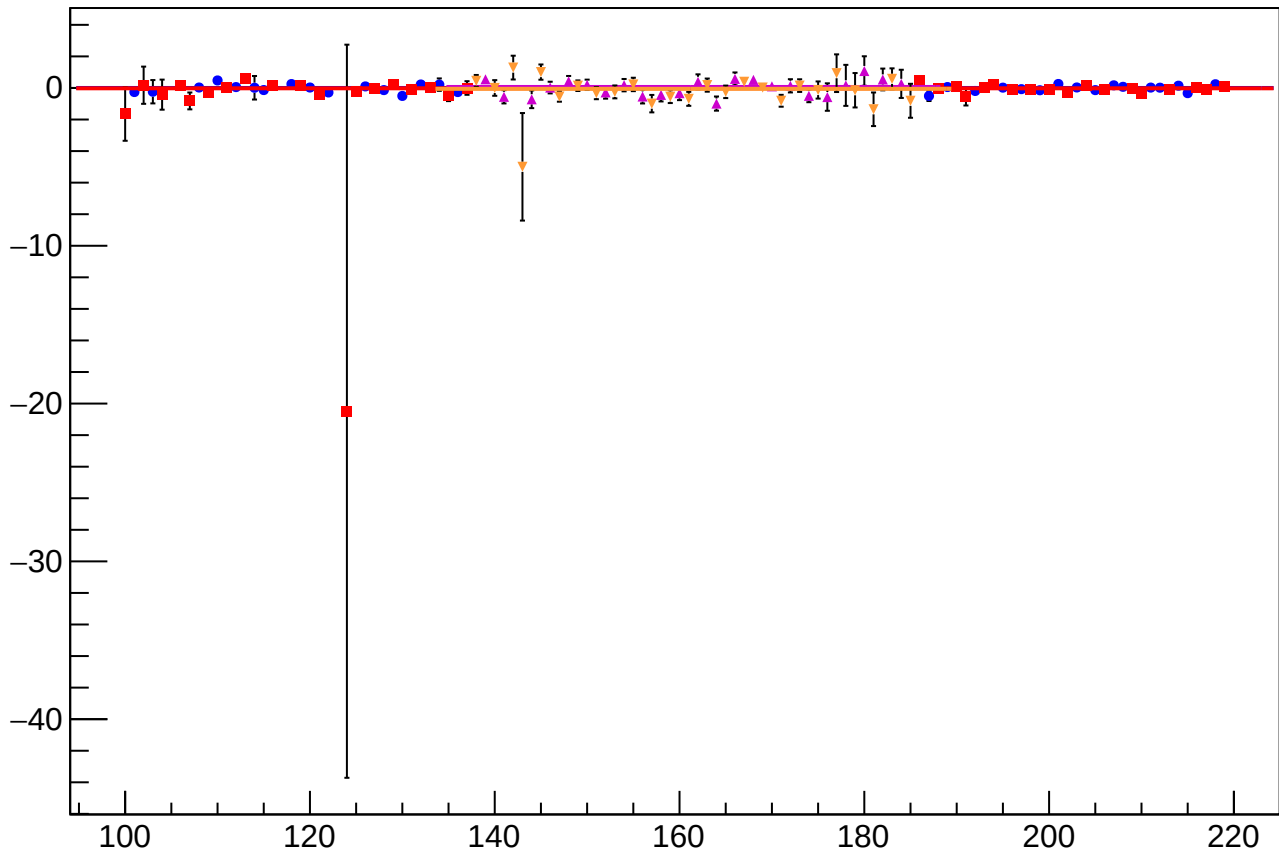
Left In: 327.572 $\pm$ 0.059 χ^2 /NDF: 4153081.9/22

+ sign 160.427 $\pm$ 0.021 χ^2 /NDF: 18156759.7/56

All: 153.759 $\pm$ 0.015 χ^2 /NDF: 37694568.5/1

- sign 147.959 $\pm$ 0.020 χ^2 /NDF: 19356266.6/59

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.032 χ^2/NDF : 39.3/31

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: -0.021 ± 0.030 χ^2/NDF : 37.4/36

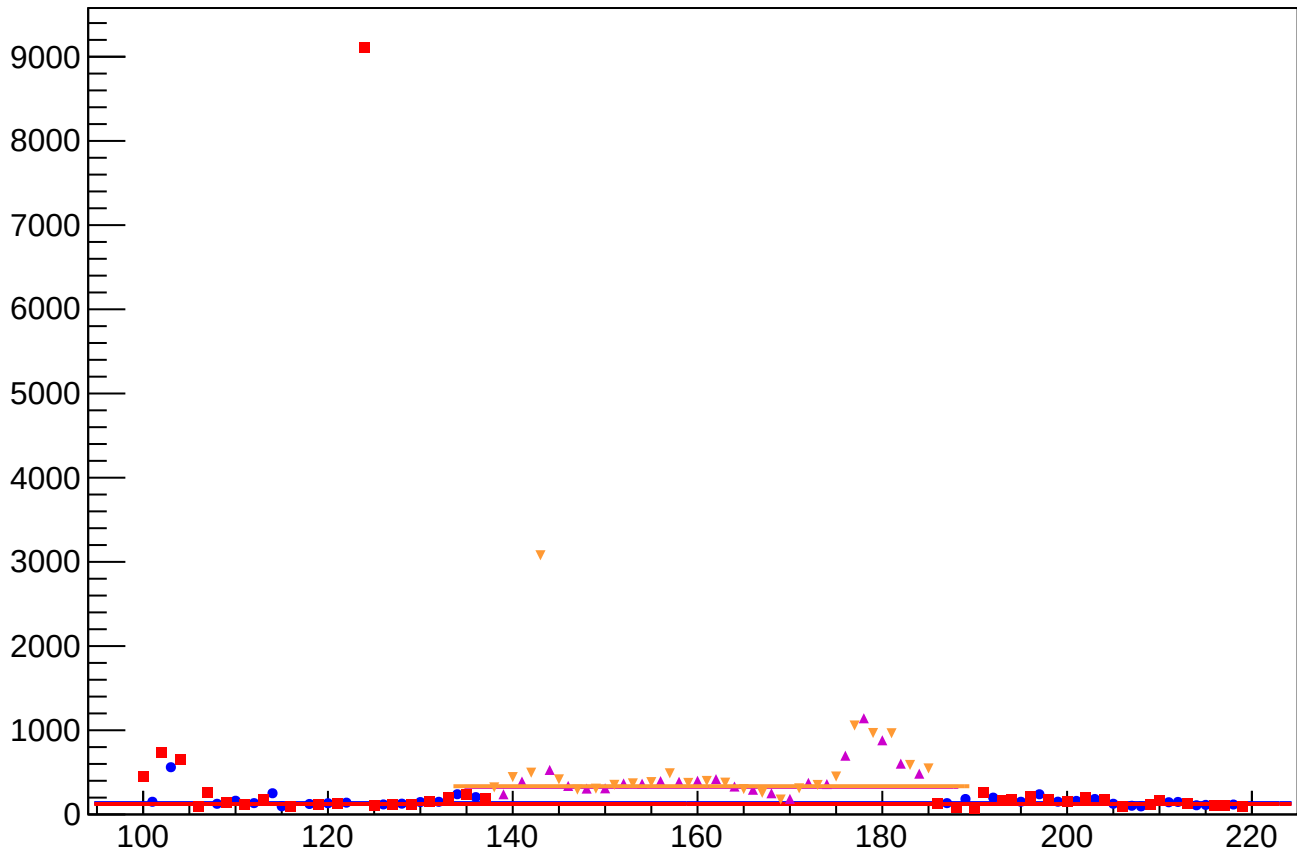
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.008 ± 0.030 χ^2/NDF : 72.8/56

All: -0.010 ± 0.021 χ^2/NDF : 139.1/116

- sign -0.012 ± 0.028 χ^2/NDF : 66.3/59

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 134.791 ± 0.023 χ^2/NDF : 2522849.4/31

Left Out: 335.166 ± 0.060 χ^2/NDF : 5852083.8/24

Right Out: 124.302 ± 0.021 χ^2/NDF : 4536761.6/36

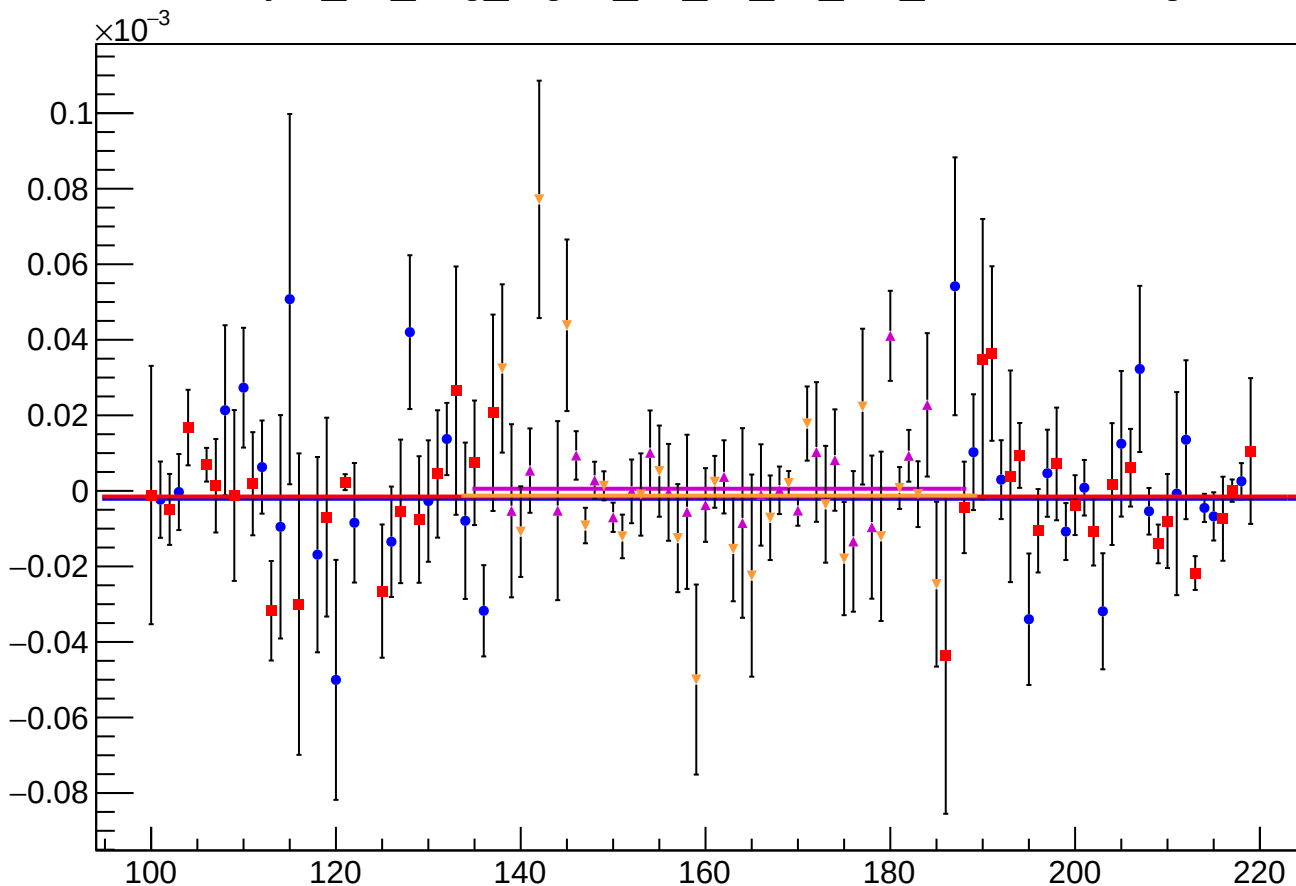
Left In: 327.572 ± 0.059 χ^2/NDF : 4153081.9/22

+ sign 160.427 ± 0.021 χ^2/NDF : 18156759.7/56

All: 153.759 ± 0.015 χ^2/NDF : 37694568.5/11

- sign 147.959 ± 0.020 χ^2/NDF : 19356266.6/59

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 41.4/31$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 35.7/23$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 57.1/35$

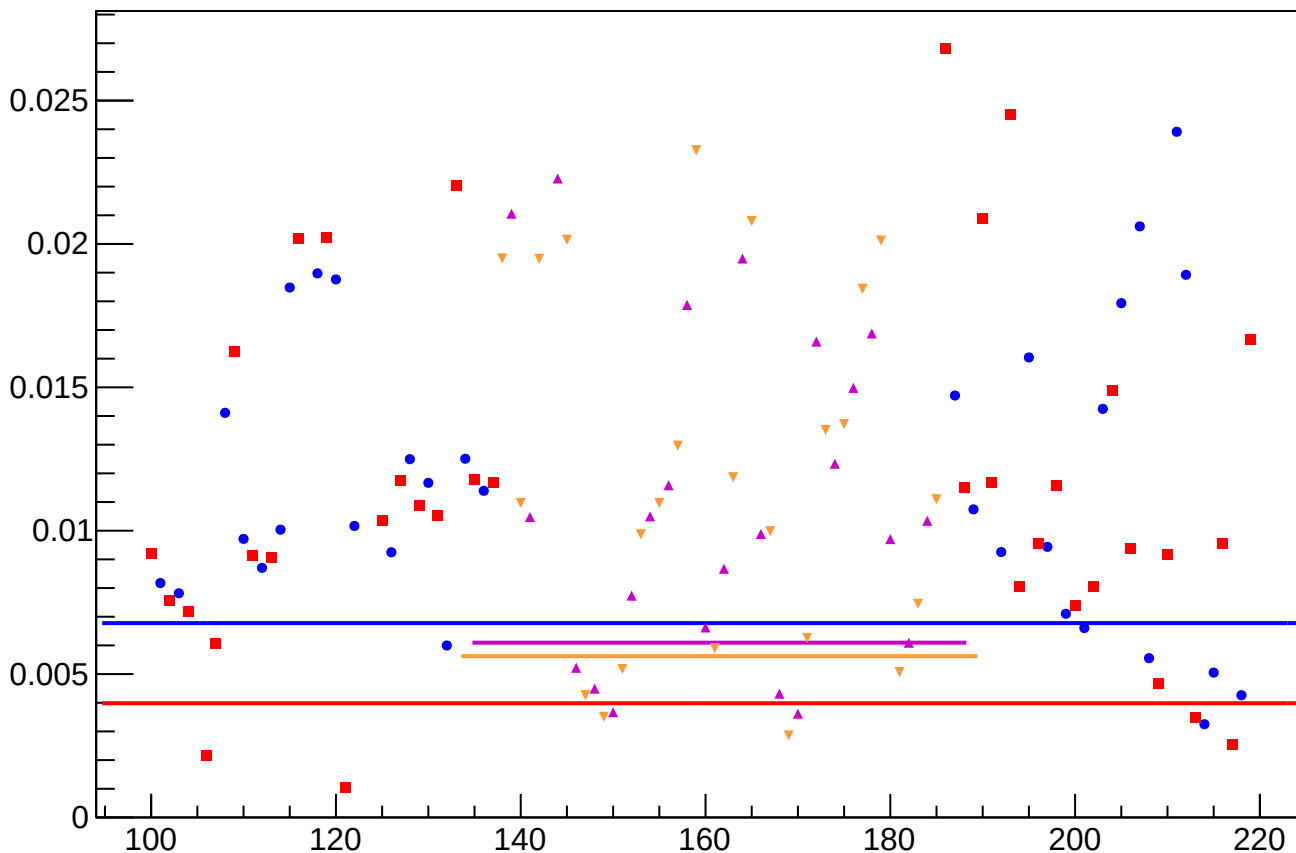
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 25.5/22$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 77.3/55$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 161.1/114$

- sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 83.5/58$

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 9212060.5/31

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:11183743.0/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 18561448.4/35

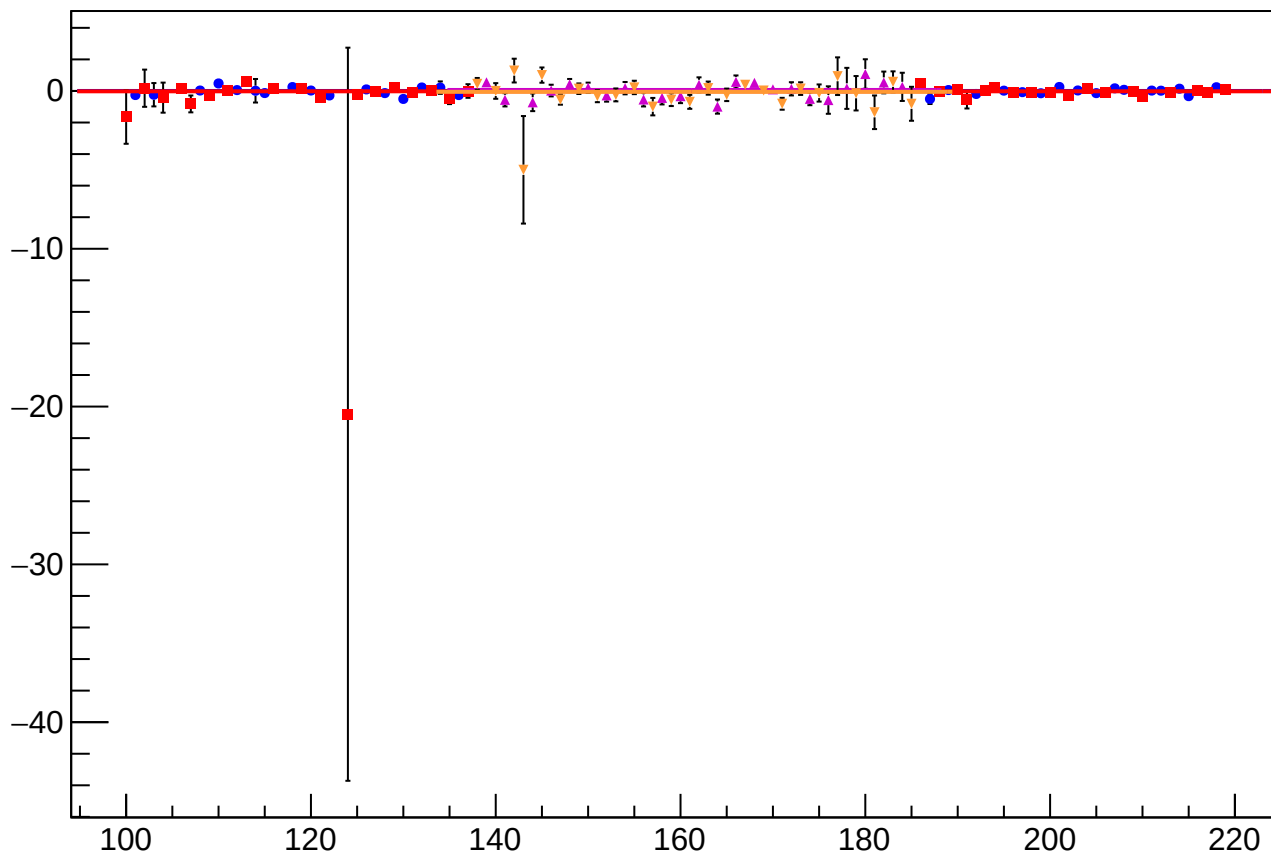
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:8798992.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 20852577.7/55

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 51827623.8/114

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 29318466.7/58

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.032 χ^2/NDF : 39.3/31

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: -0.021 ± 0.030 χ^2/NDF : 37.4/36

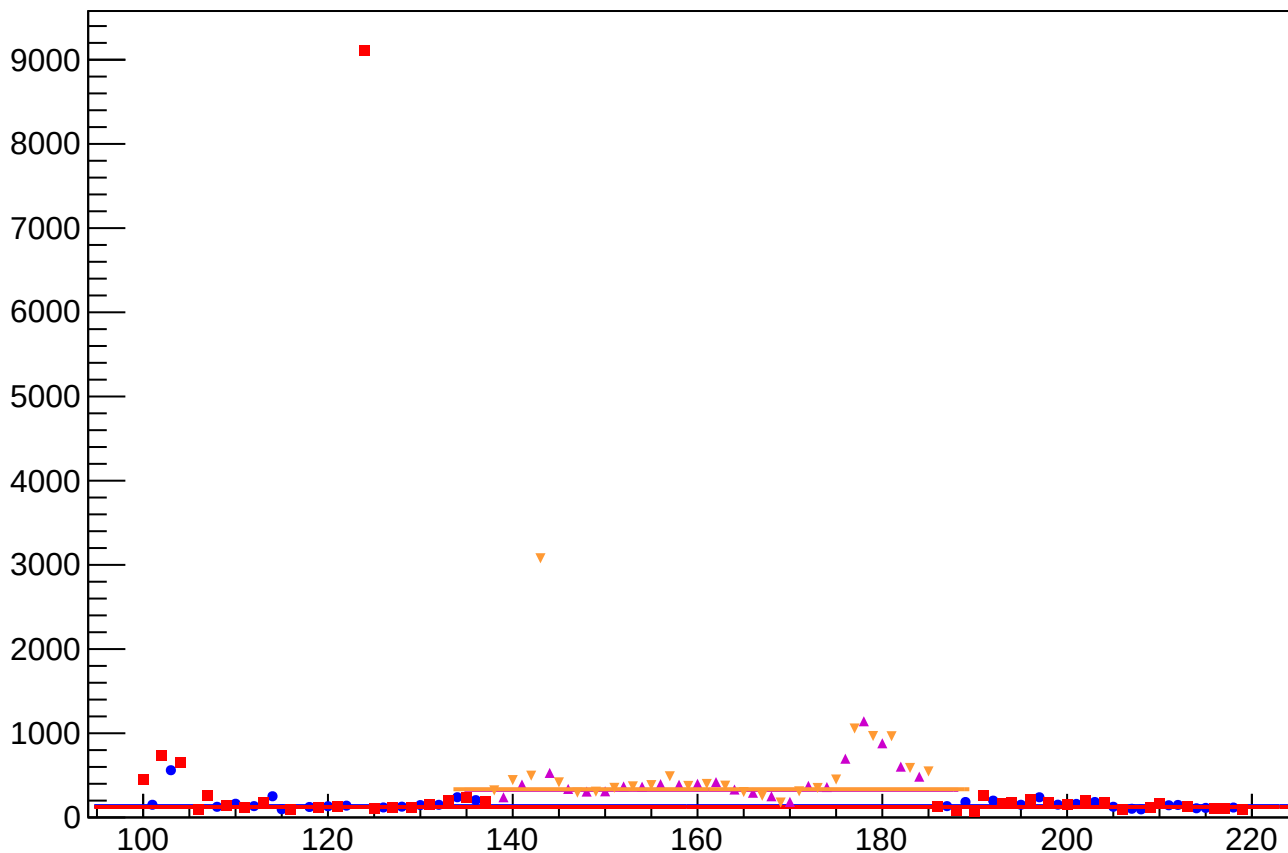
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.008 ± 0.030 χ^2/NDF : 72.8/56

All: -0.010 ± 0.021 χ^2/NDF : 139.1/116

- sign -0.012 ± 0.028 χ^2/NDF : 66.3/59

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 134.789 $\pm$ 0.023 χ^2 /NDF: 2523042.6/31

Left Out: 335.168 $\pm$ 0.060 χ^2 /NDF: 5852151.8/24

Right Out: 124.300 $\pm$ 0.021 χ^2 /NDF: 4536903.0/36

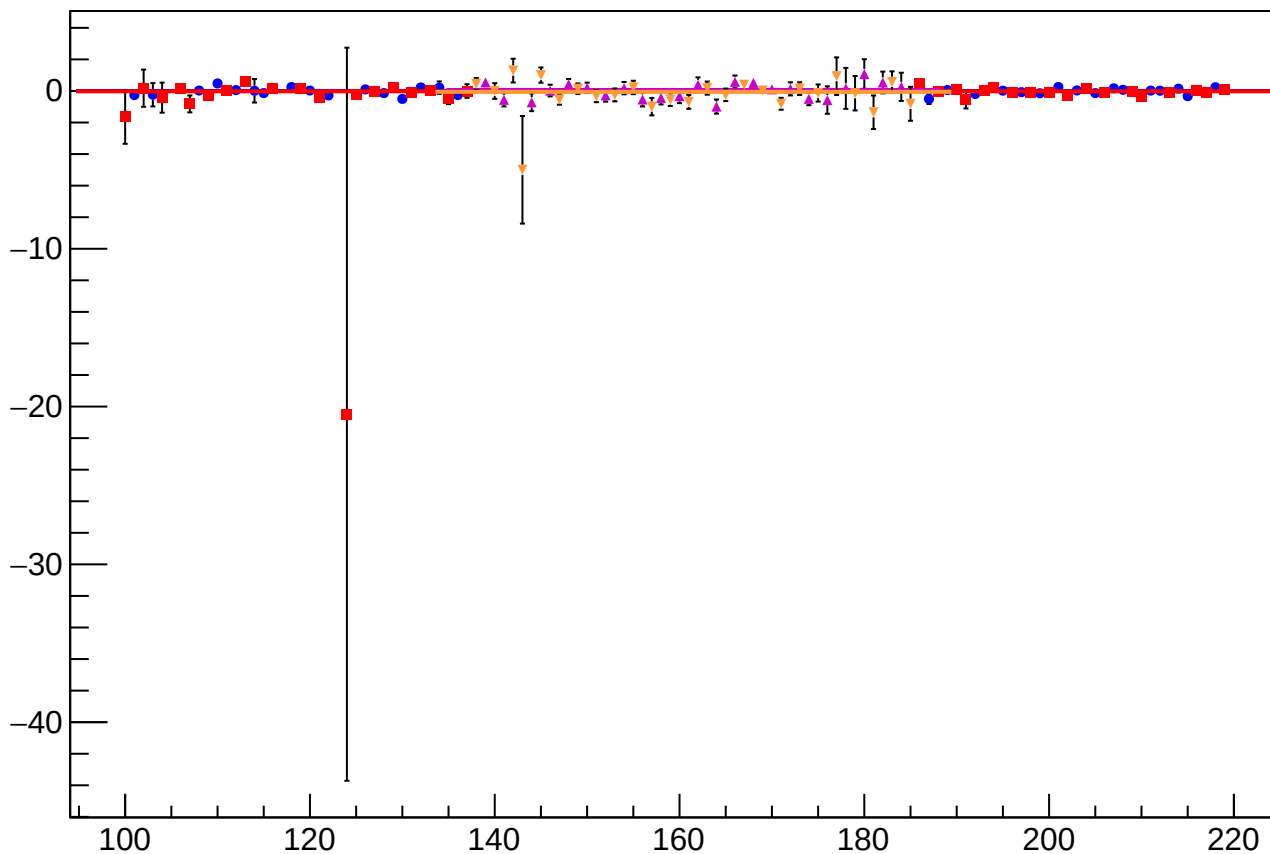
Left In: 327.575 $\pm$ 0.059 χ^2 /NDF: 4153087.6/22

+ sign 160.425 $\pm$ 0.021 χ^2 /NDF: 18157382.5/56

All: 153.757 $\pm$ 0.015 χ^2 /NDF: 37695732.3/1

- sign 147.957 $\pm$ 0.020 χ^2 /NDF: 19356811.4/59

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.032 χ^2/NDF : 39.3/31

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: -0.021 ± 0.030 χ^2/NDF : 37.4/36

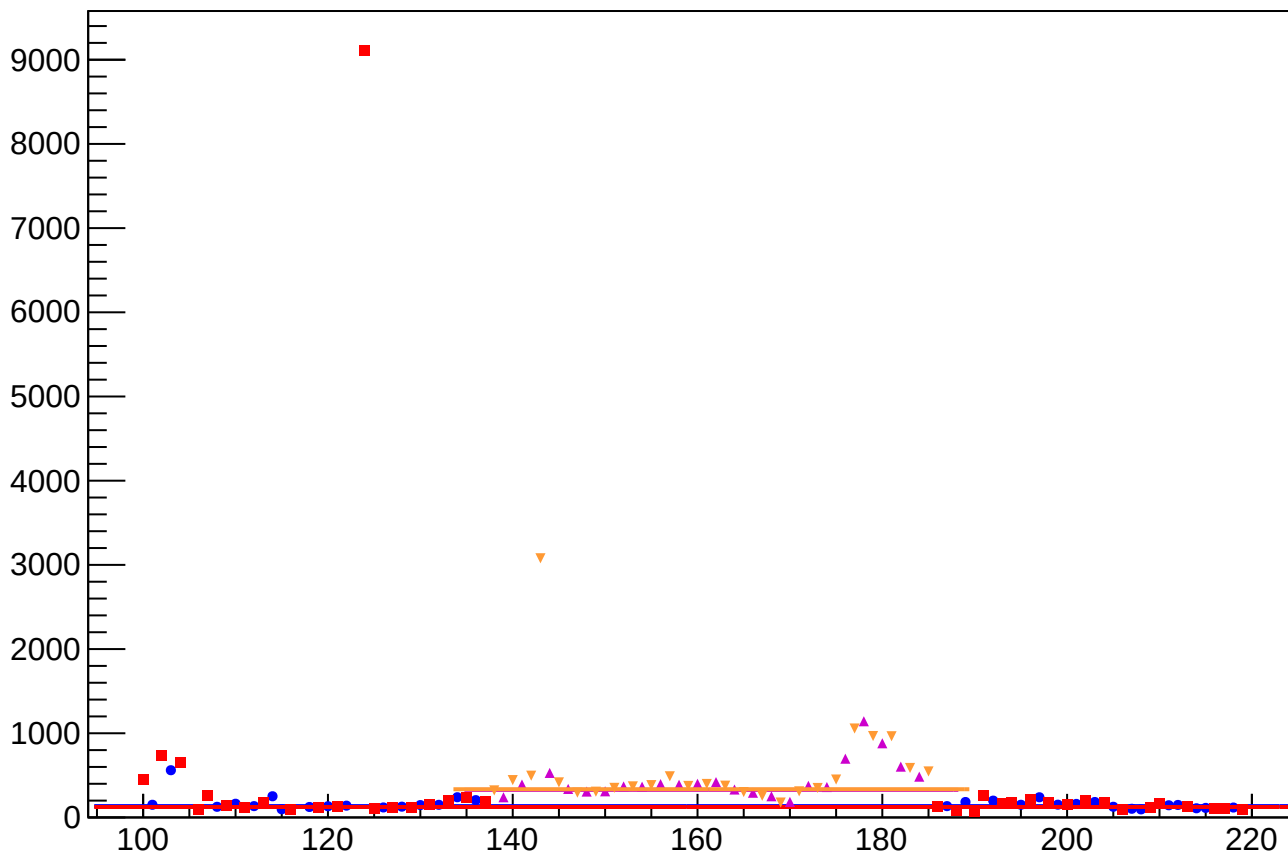
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.008 ± 0.030 χ^2/NDF : 72.8/56

All: -0.010 ± 0.021 χ^2/NDF : 139.1/116

- sign -0.012 ± 0.028 χ^2/NDF : 66.3/59

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 134.789 $\pm$ 0.023 χ^2 /NDF: 2523042.6/31

Left Out: 335.168 $\pm$ 0.060 χ^2 /NDF: 5852151.8/24

Right Out: 124.300 $\pm$ 0.021 χ^2 /NDF: 4536903.0/36

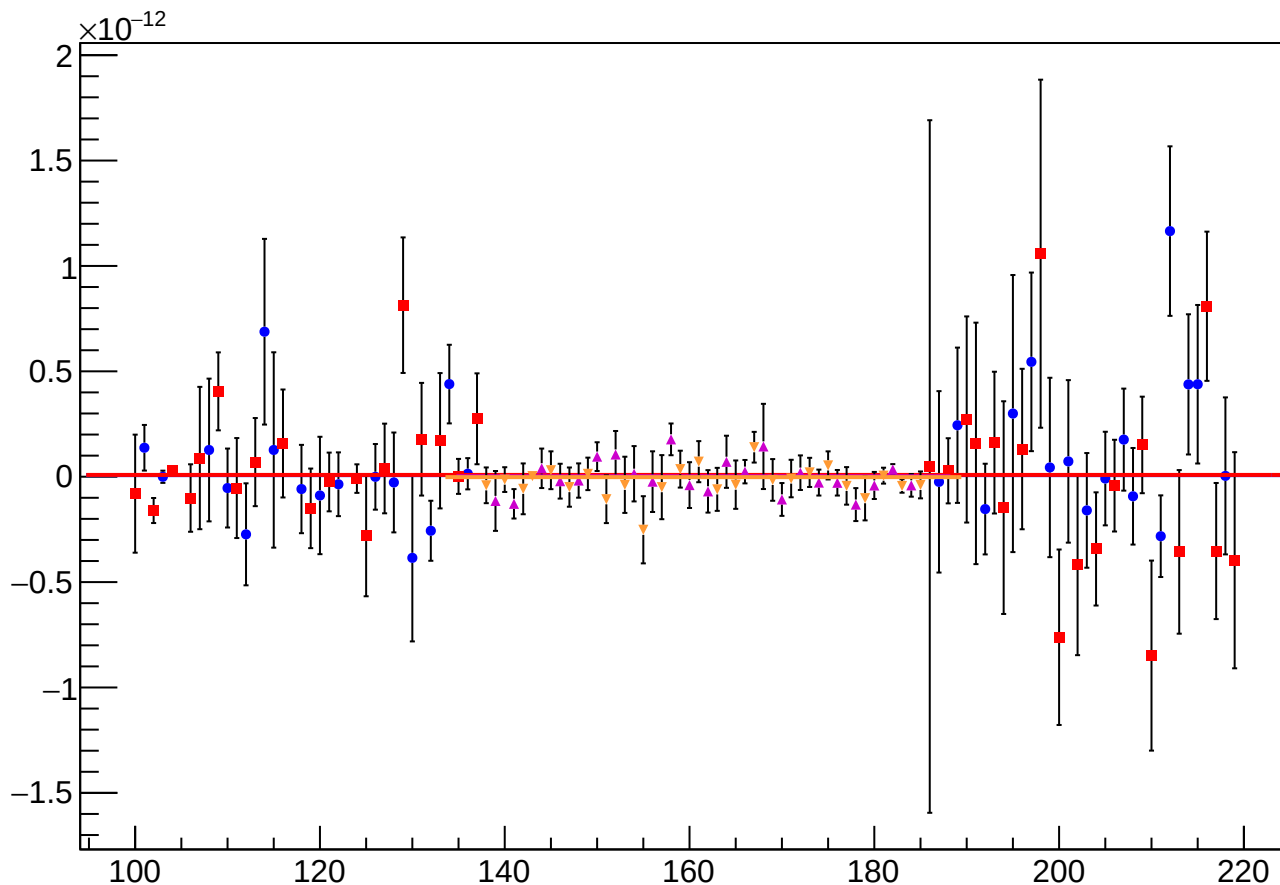
Left In: 327.575 $\pm$ 0.059 χ^2 /NDF: 4153087.6/22

+ sign 160.425 $\pm$ 0.021 χ^2 /NDF: 18157382.5/56

All: 153.757 $\pm$ 0.015 χ^2 /NDF: 37695732.3/1

- sign 147.957 $\pm$ 0.020 χ^2 /NDF: 19356811.4/59

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 33.1/31

Left Out: -0.000+/-0.000 χ^2/NDF :13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 45.6/36

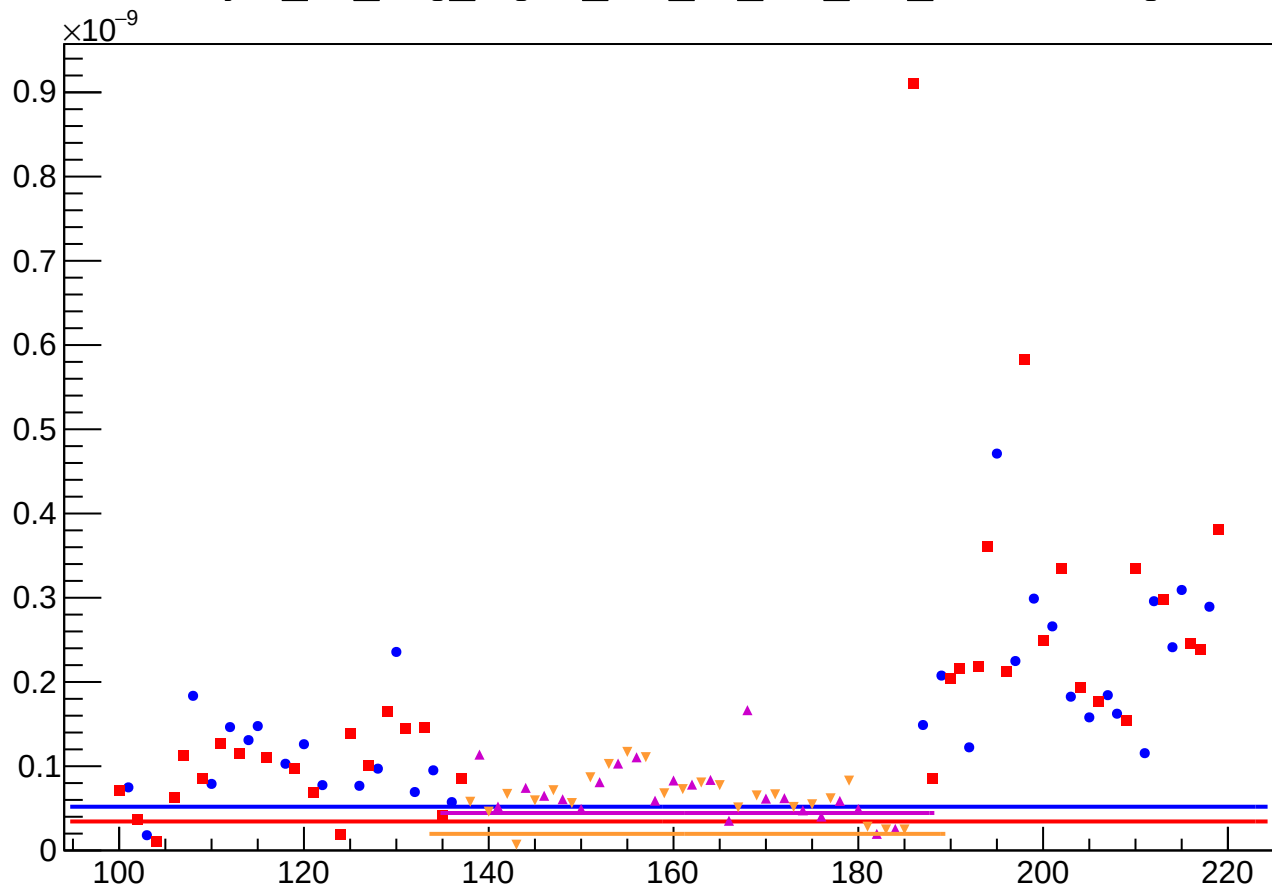
Left In: 0.000+/-0.000 χ^2/NDF :22.5/22

+ sign -0.000+/-0.000 χ^2/NDF : 46.8/56

All: 0.000+/-0.000 χ^2/NDF : 115.1/116

- sign 0.000+/-0.000 χ^2/NDF : 68.1/59

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 13080251.6/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 14888228.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 17053704.4/36

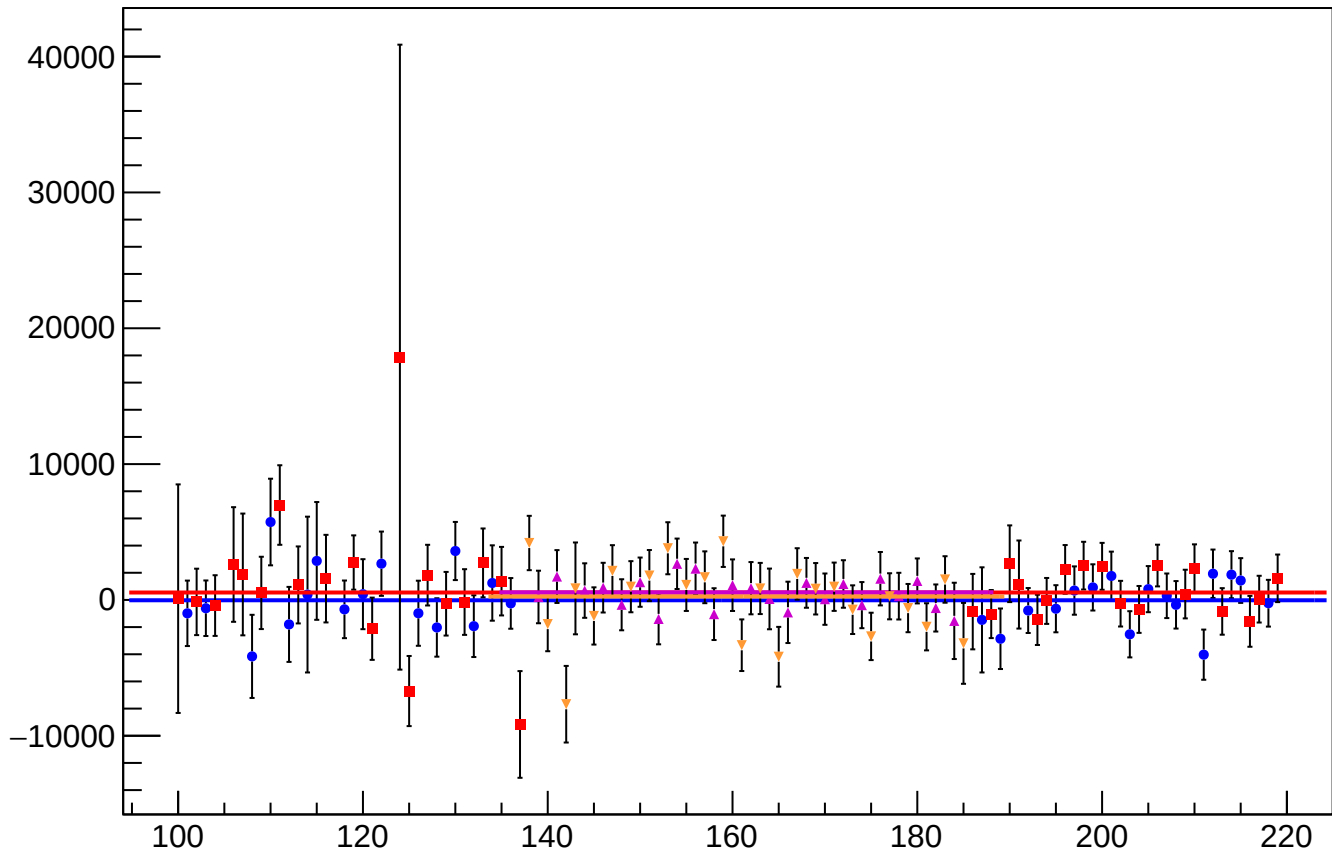
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 5919814.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 31499965.1/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 58035191.8/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 23359123.9/59

reg_asym_atl_dd_mean vs Slug



Right In: -25.064 ± 363.217 χ^2/NDF : 26.4/31

Left Out: 248.233 ± 388.827 χ^2/NDF : 39.6/24

Right Out: 546.599 ± 357.889 χ^2/NDF : 36.3/36

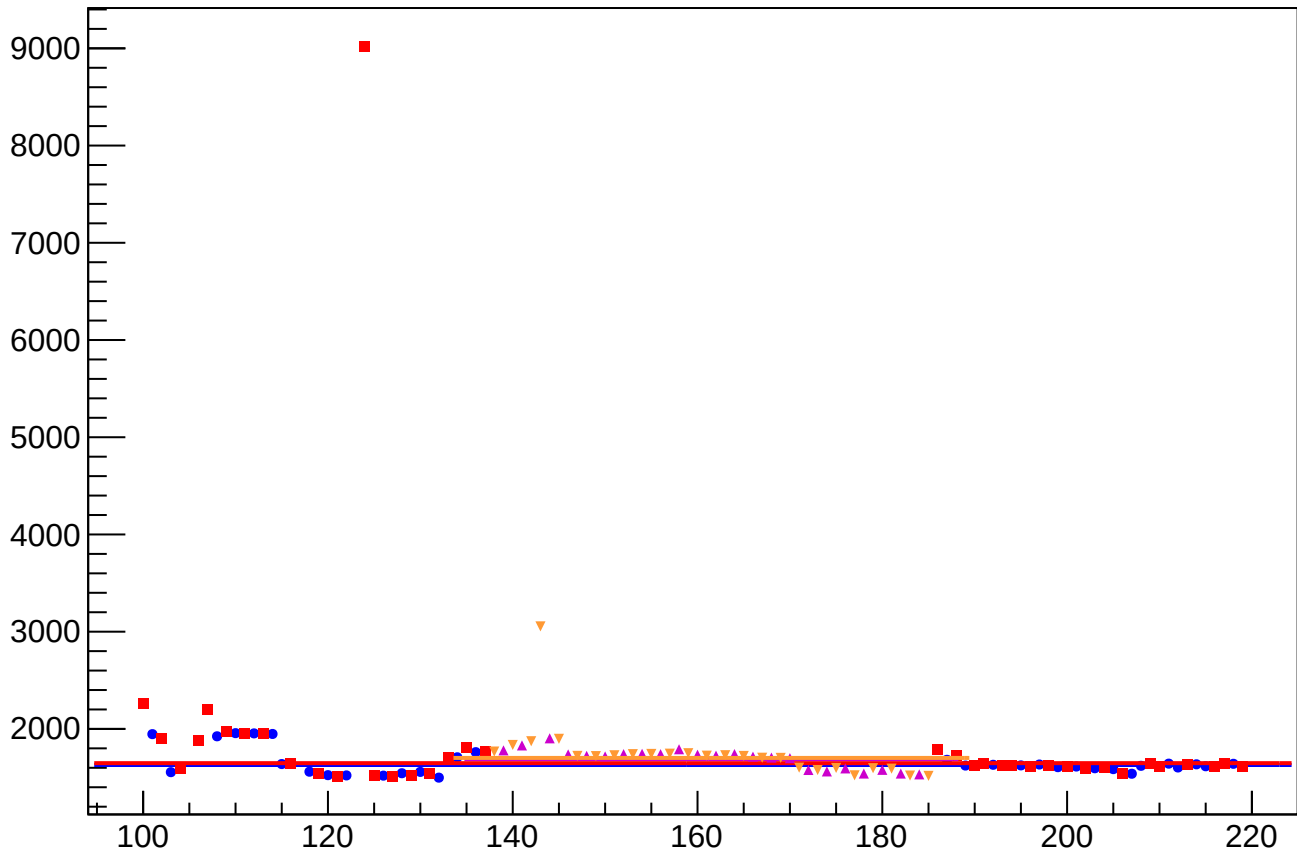
Left In: 559.995 ± 395.112 χ^2/NDF : 7.5/22

+ sign 102.289 ± 265.426 χ^2/NDF : 66.2/56

All: 327.610 ± 187.623 χ^2/NDF : 111.5/116

- sign 552.637 ± 265.252 χ^2/NDF : 43.8/59

reg_asym_atl_dd_rms vs Slug



Right In: 1628.791+/-0.257 χ^2/NDF : 157909.8/31

Left Out: 1701.583+/-0.275 χ^2/NDF : 452379.1/24

Right Out: 1647.784+/-0.253 χ^2/NDF : 424771.5/36

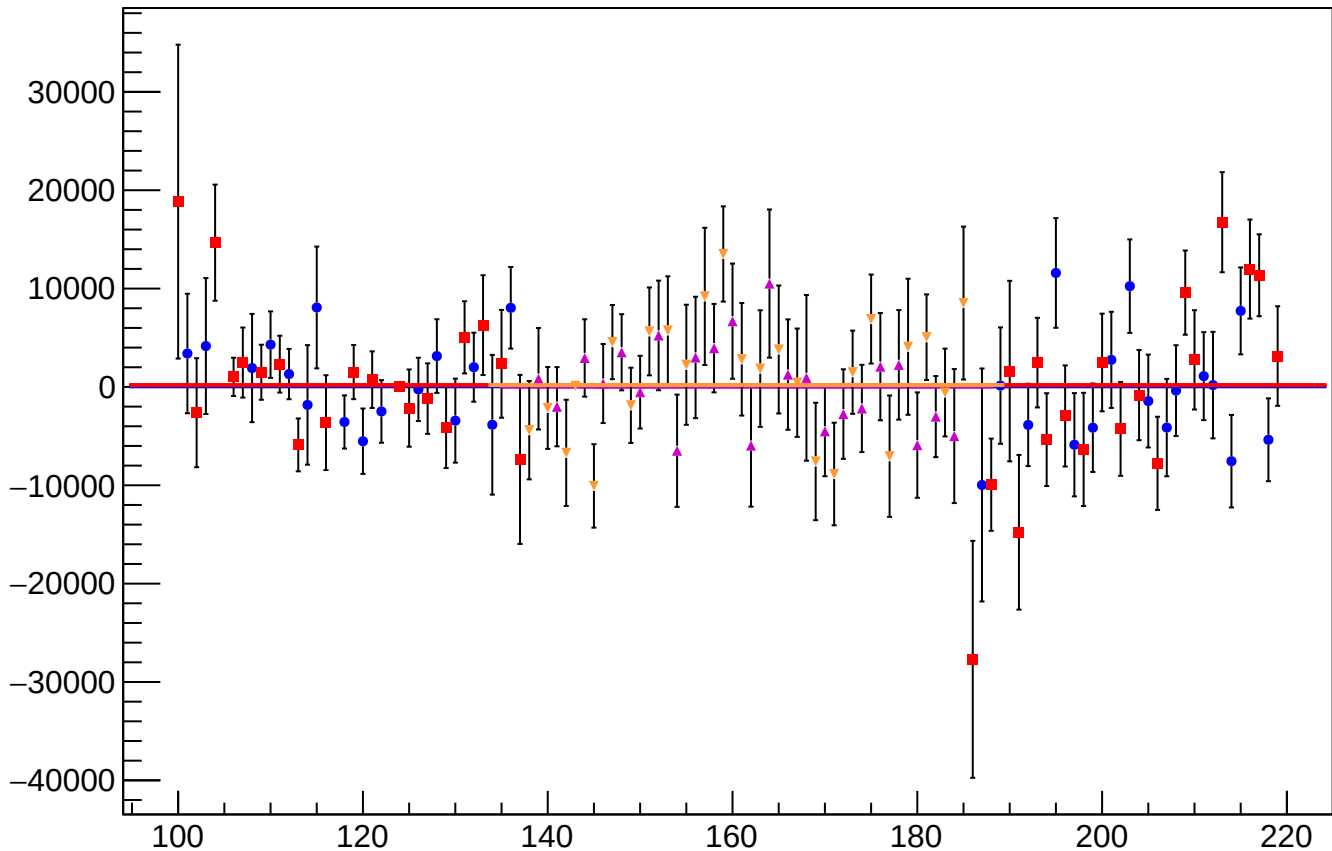
Left In: 1689.259+/-0.279 χ^2/NDF : 122317.9/22

+ sign 1662.711+/-0.188 χ^2/NDF : 647720.2/56

All: 1664.581+/-0.133 χ^2/NDF : 1207129.3/11

- sign 1666.446+/-0.187 χ^2/NDF : 559210.8/59

asym_atl_dd_reg_correction_mean vs Slug



Right In: 64.044+/-756.205 χ^2/NDF : 36.4/31

Left Out: 193.503+/-343.131 χ^2/NDF : 33.9/24

Right Out: 192.101+/-312.660 χ^2/NDF : 70.5/36

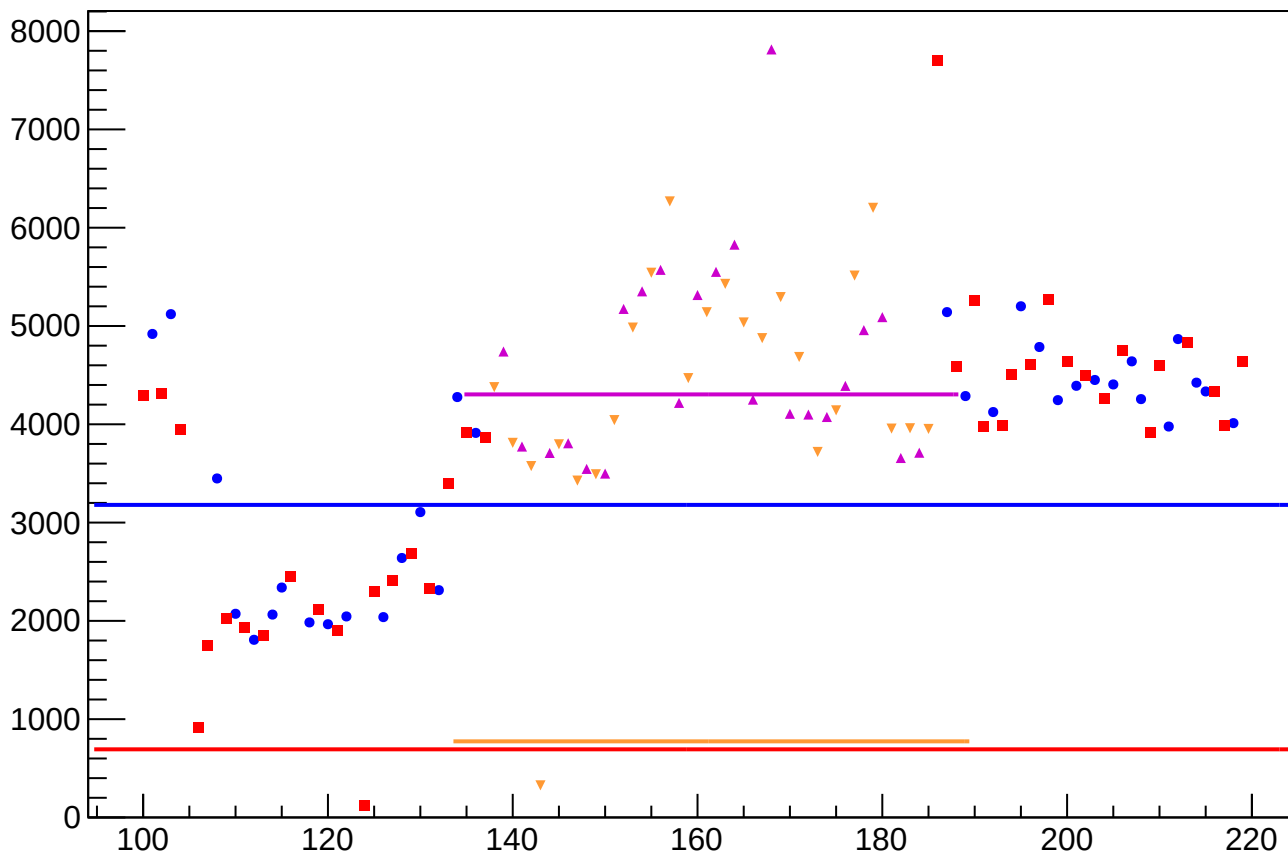
Left In: 28.728+/-1025.481 χ^2/NDF : 13.3/22

+ sign 171.399+/-312.468 χ^2/NDF : 70.3/56

All: 174.952+/-216.055 χ^2/NDF : 154.1/116

- sign 178.206+/-299.069 χ^2/NDF : 83.8/59

asym_atl_dd_reg_correction_rms vs Slug



Right In: 3179.931+/-0.535 χ^2/NDF : 4744471.0/31

Left Out: 774.232+/-0.243 χ^2/NDF : 28085586.8/24

Right Out: 693.091+/-0.221 χ^2/NDF : 32541297.9/36

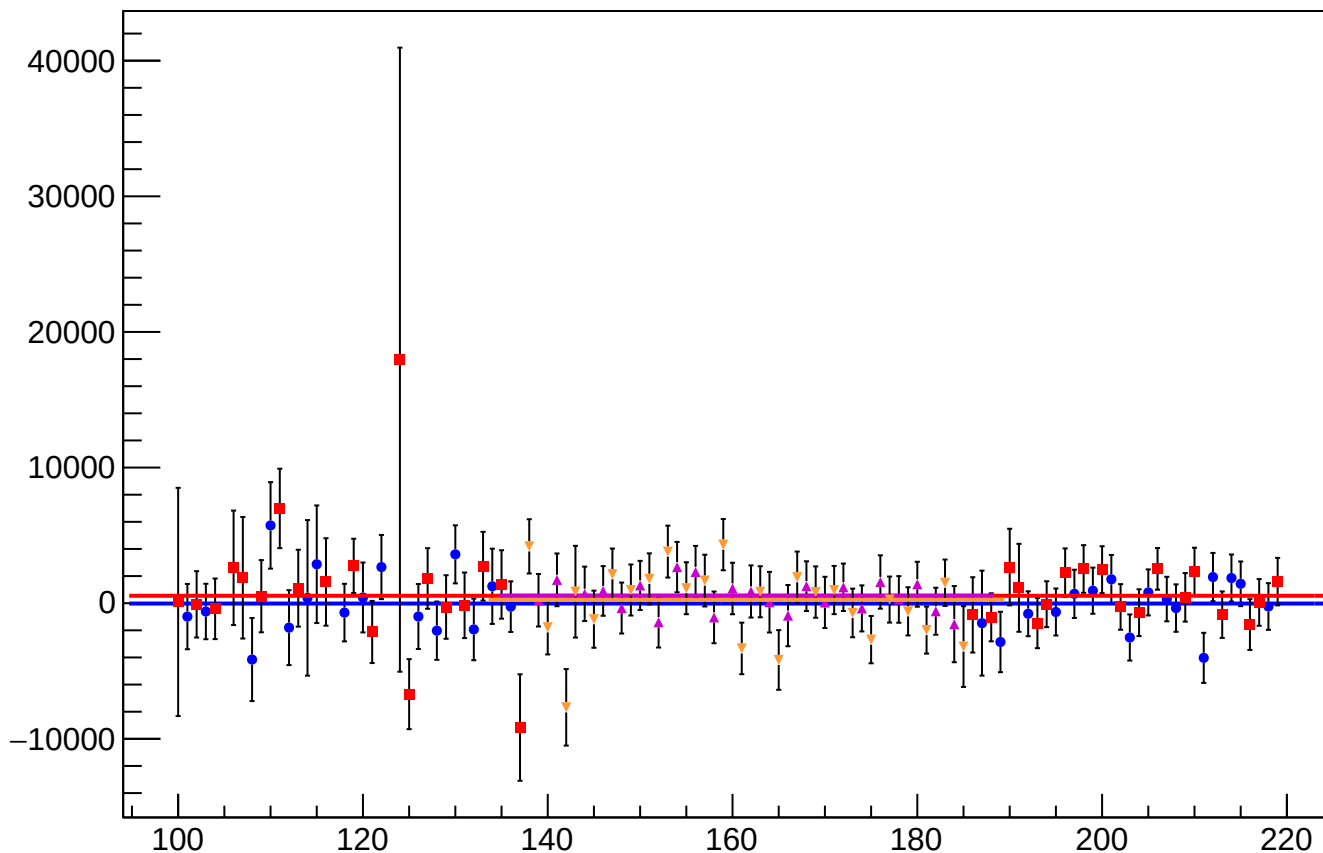
Left In: 4304.007+/-0.725 χ^2/NDF : 1216578.1/22

+ sign 1184.979+/-0.221 χ^2/NDF : 49615192.4/56

All: 1088.547+/-0.153 χ^2/NDF : 106426544.2

- sign 1000.208+/-0.211 χ^2/NDF : 56446367.5/59

cor_asym_atl_dd_mean vs Slug



Right In: -25.008 ± 363.217 χ^2/NDF : 26.4/31

Left Out: 248.216 ± 388.827 χ^2/NDF : 39.6/24

Right Out: 547.978 ± 357.890 χ^2/NDF : 36.3/36

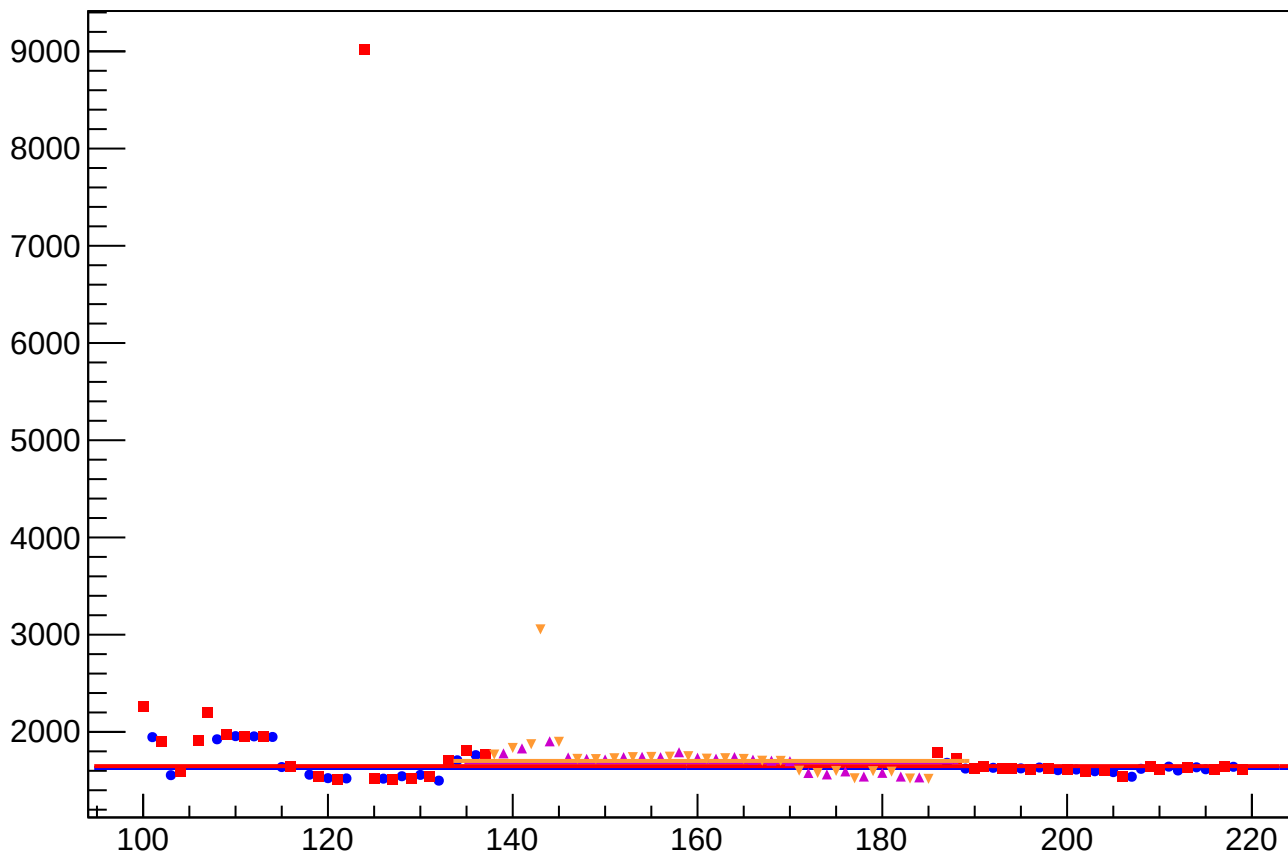
Left In: 559.960 ± 395.112 χ^2/NDF : 7.5/22

+ sign 102.311 ± 265.426 χ^2/NDF : 66.2/56

All: 327.992 ± 187.623 χ^2/NDF : 111.5/116

- sign 553.378 ± 265.252 χ^2/NDF : 43.8/59

cor_asym_atl_dd_rms vs Slug



Right In: 1628.791 $\pm$ 0.257 χ^2 /NDF: 157909.8/31

Left Out: 1701.583 $\pm$ 0.275 χ^2 /NDF: 452379.0/24

Right Out: 1648.024 $\pm$ 0.253 χ^2 /NDF: 426902.3/36

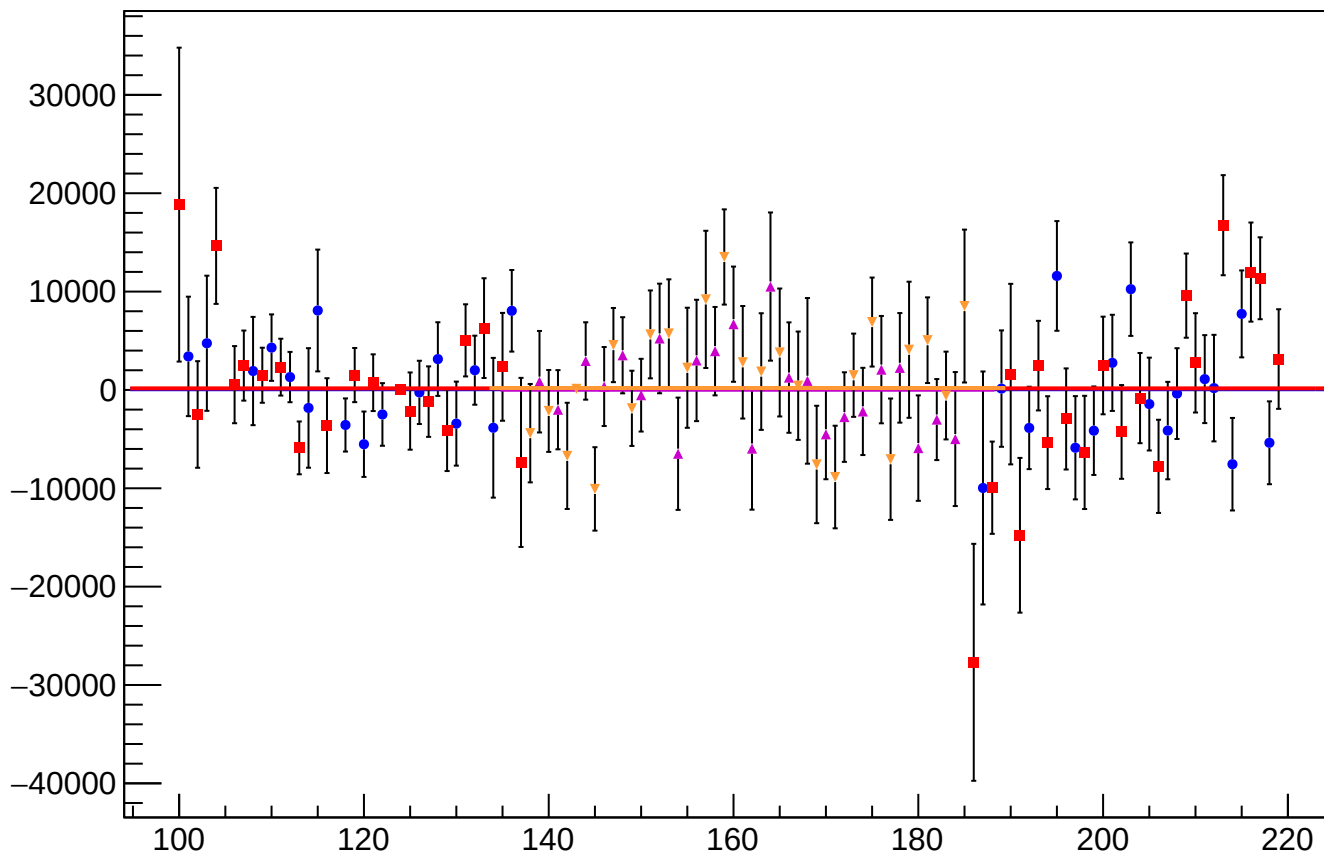
Left In: 1689.259 $\pm$ 0.279 χ^2 /NDF: 122317.9/22

+ sign 1662.711 $\pm$ 0.188 χ^2 /NDF: 647720.2/56

All: 1664.649 $\pm$ 0.133 χ^2 /NDF: 1209133.4/11

- sign 1666.581 $\pm$ 0.187 χ^2 /NDF: 561200.3/59

asym_atl_dd_cor_correction_mean vs Slug



Right In: 71.895+/-756.147 χ^2/NDF : 36.5/31

Left Out: 193.916+/-343.107 χ^2/NDF : 33.9/24

Right Out: 157.873+/-305.473 χ^2/NDF : 70.3/36

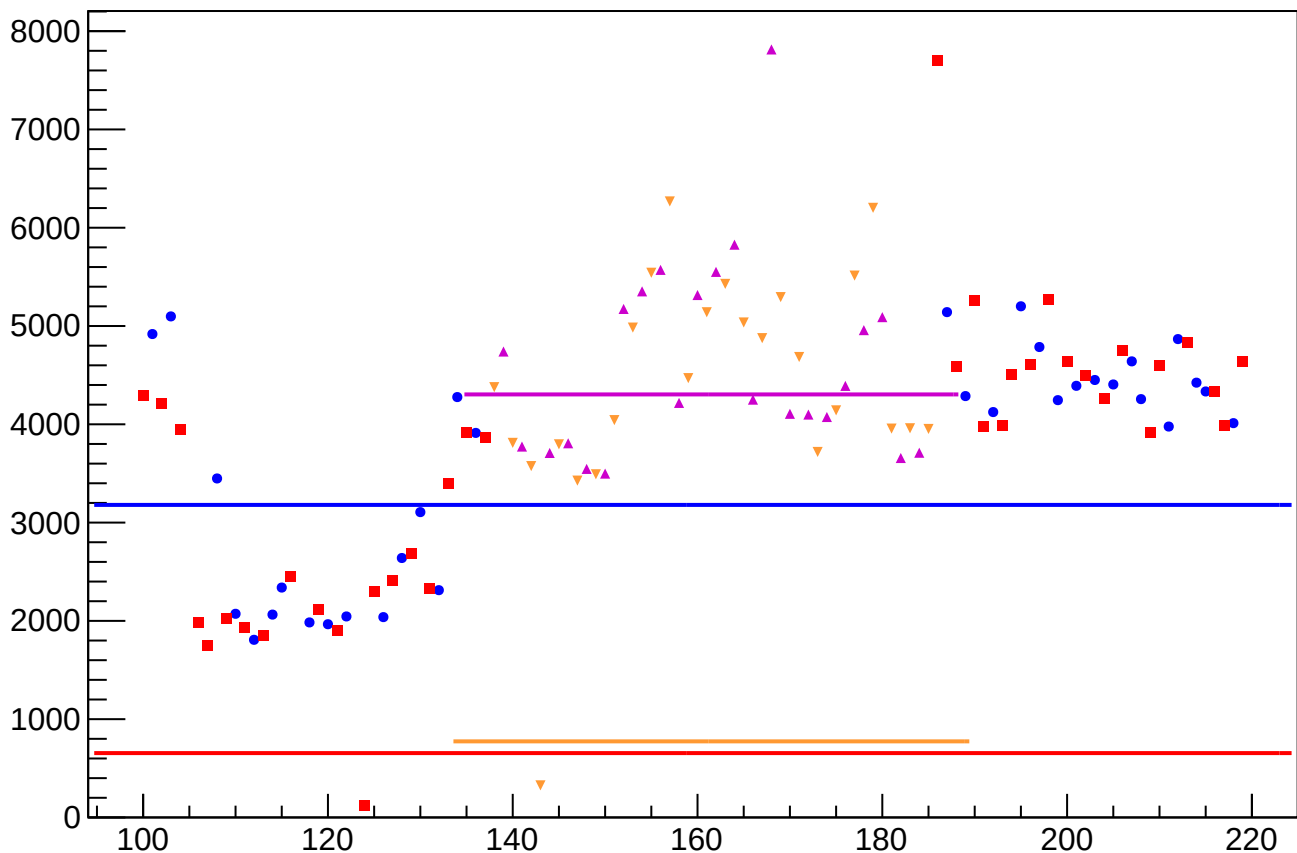
Left In: 28.766+/-1025.480 χ^2/NDF : 13.3/22

+ sign 173.082+/-312.446 χ^2/NDF : 70.4/56

All: 159.380+/-213.633 χ^2/NDF : 154.0/116

- sign 147.351+/-292.760 χ^2/NDF : 83.6/59

asym_atl_dd_cor_correction_rms vs Slug



Right In: 3179.919 $\pm$ 0.535 χ^2 /NDF: 4742533.8/31

Left Out: 774.143 $\pm$ 0.243 χ^2 /NDF: 28086455.1/24

Right Out: 654.837 $\pm$ 0.216 χ^2 /NDF: 33244126.9/36

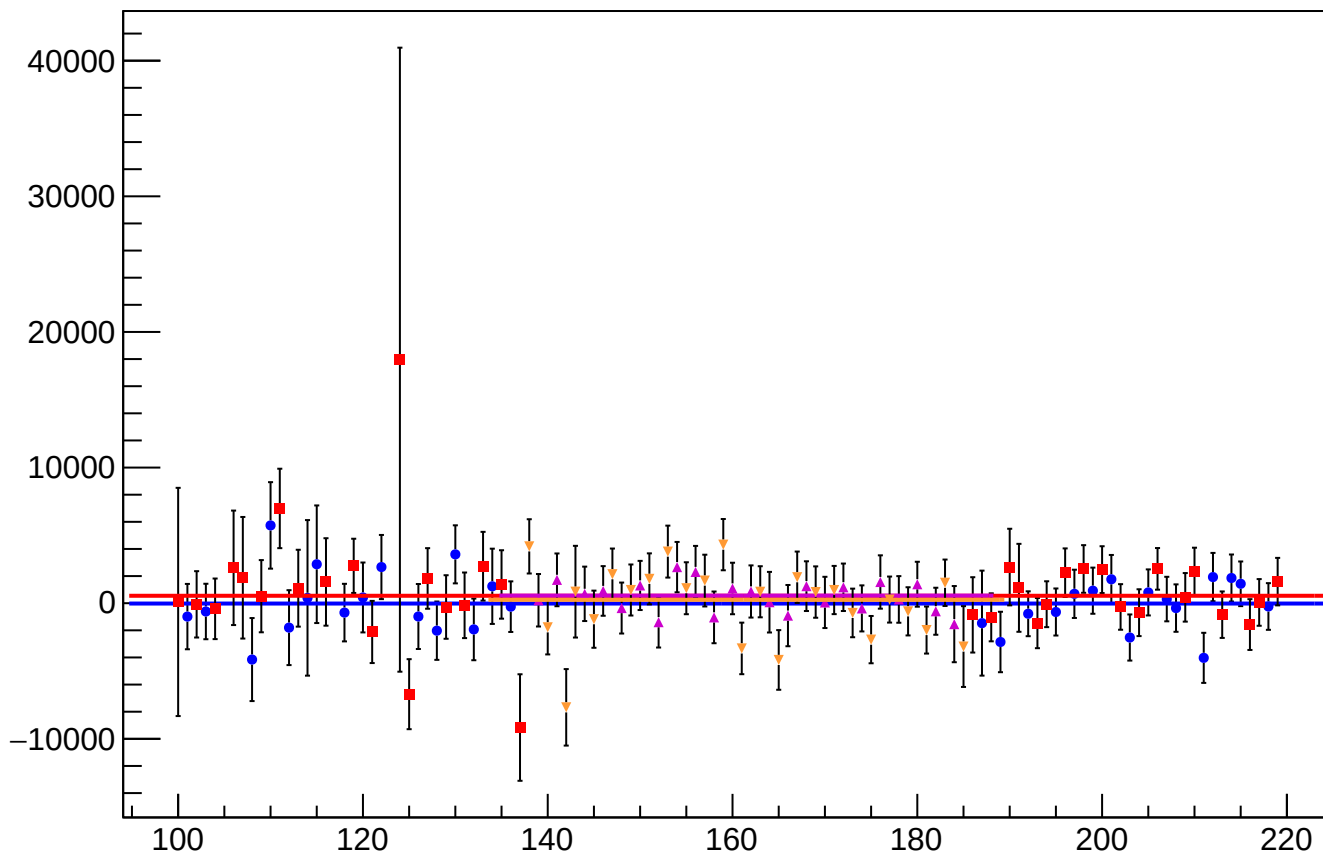
Left In: 4304.001 $\pm$ 0.725 χ^2 /NDF: 1216572.3/22

+ sign 1184.908 $\pm$ 0.221 χ^2 /NDF: 49617731.3/56

All: 1061.020 $\pm$ 0.151 χ^2 /NDF: 107930598.3

- sign 952.252 $\pm$ 0.207 χ^2 /NDF: 57722364.2/59

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -25.008 ± 363.217 χ^2/NDF : 26.4/31

Left Out: 248.216 ± 388.827 χ^2/NDF : 39.6/24

Right Out: 547.978 ± 357.890 χ^2/NDF : 36.3/36

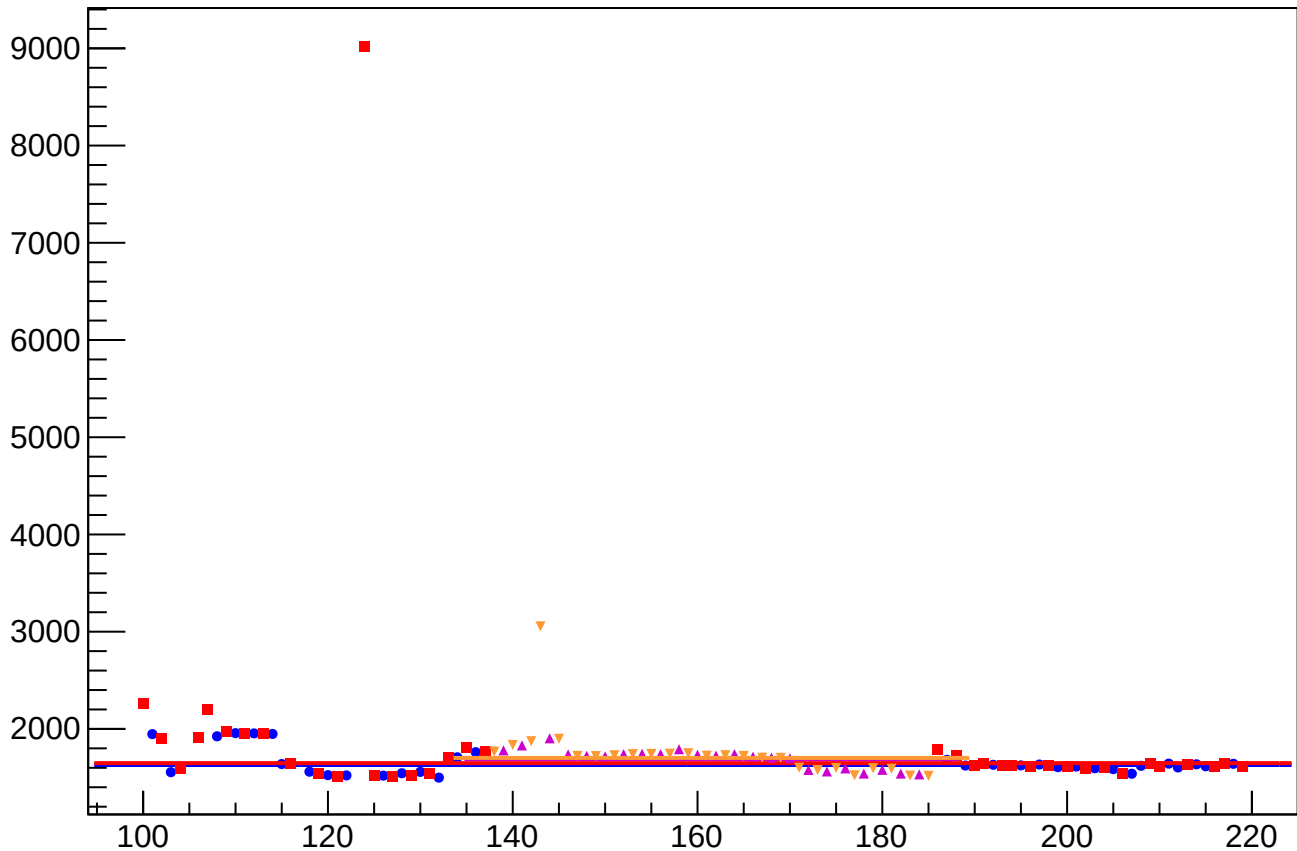
Left In: 559.960 ± 395.112 χ^2/NDF : 7.5/22

+ sign 102.311 ± 265.426 χ^2/NDF : 66.2/56

All: 327.992 ± 187.623 χ^2/NDF : 111.5/116

- sign 553.378 ± 265.252 χ^2/NDF : 43.8/59

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1628.791 $\pm$ 0.257 χ^2 /NDF: 157909.8/31

Left Out: 1701.583 $\pm$ 0.275 χ^2 /NDF: 452379.0/24

Right Out: 1648.024 $\pm$ 0.253 χ^2 /NDF: 426902.3/36

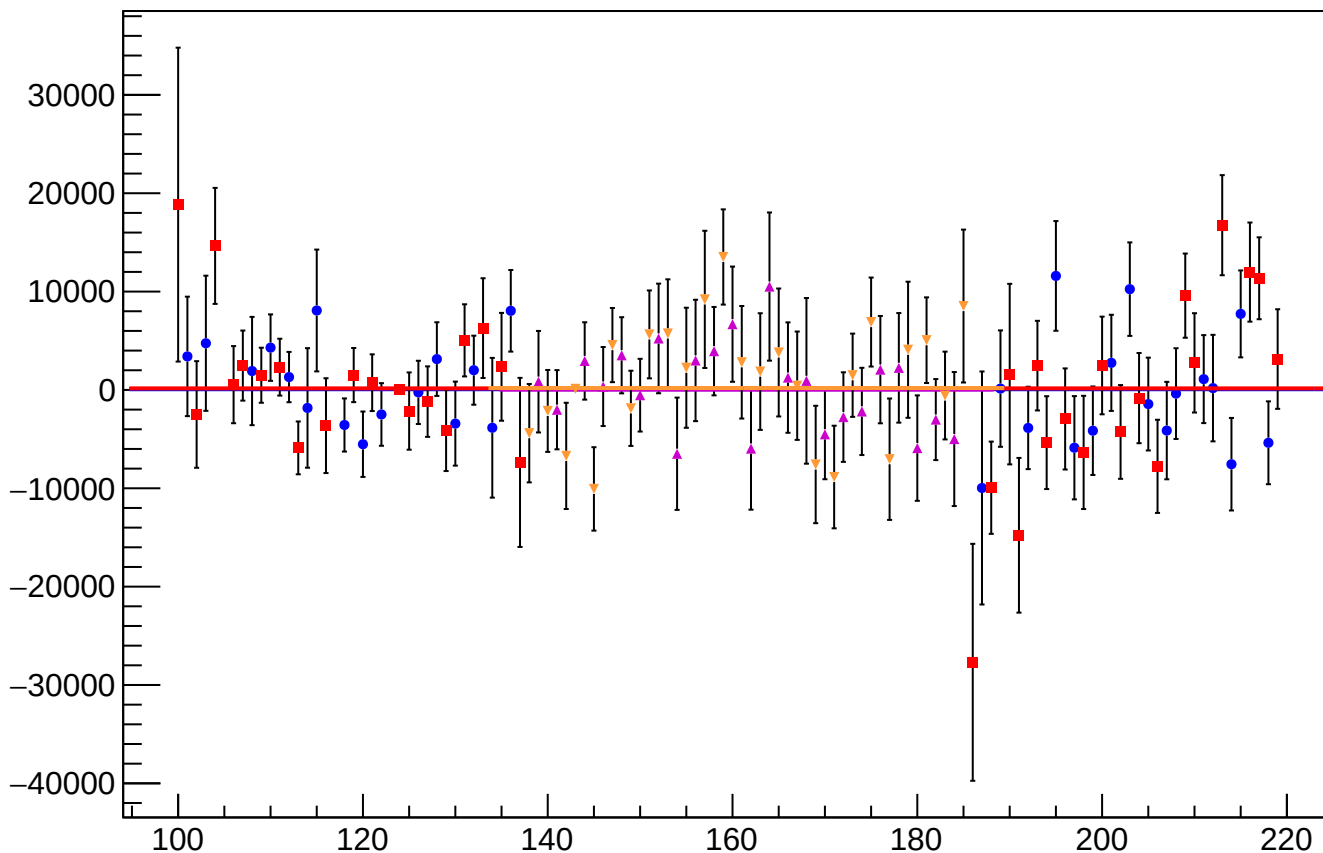
Left In: 1689.259 $\pm$ 0.279 χ^2 /NDF: 122317.9/22

+ sign 1662.711 $\pm$ 0.188 χ^2 /NDF: 647720.2/56

All: 1664.649 $\pm$ 0.133 χ^2 /NDF: 1209133.4/11

- sign 1666.581 $\pm$ 0.187 χ^2 /NDF: 561200.3/59

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 71.895 $\pm$ 756.147 χ^2 /NDF: 36.5/31

Left Out: 193.916 $\pm$ 343.107 χ^2 /NDF: 33.9/24

Right Out: 157.873 $\pm$ 305.473 χ^2 /NDF: 70.3/36

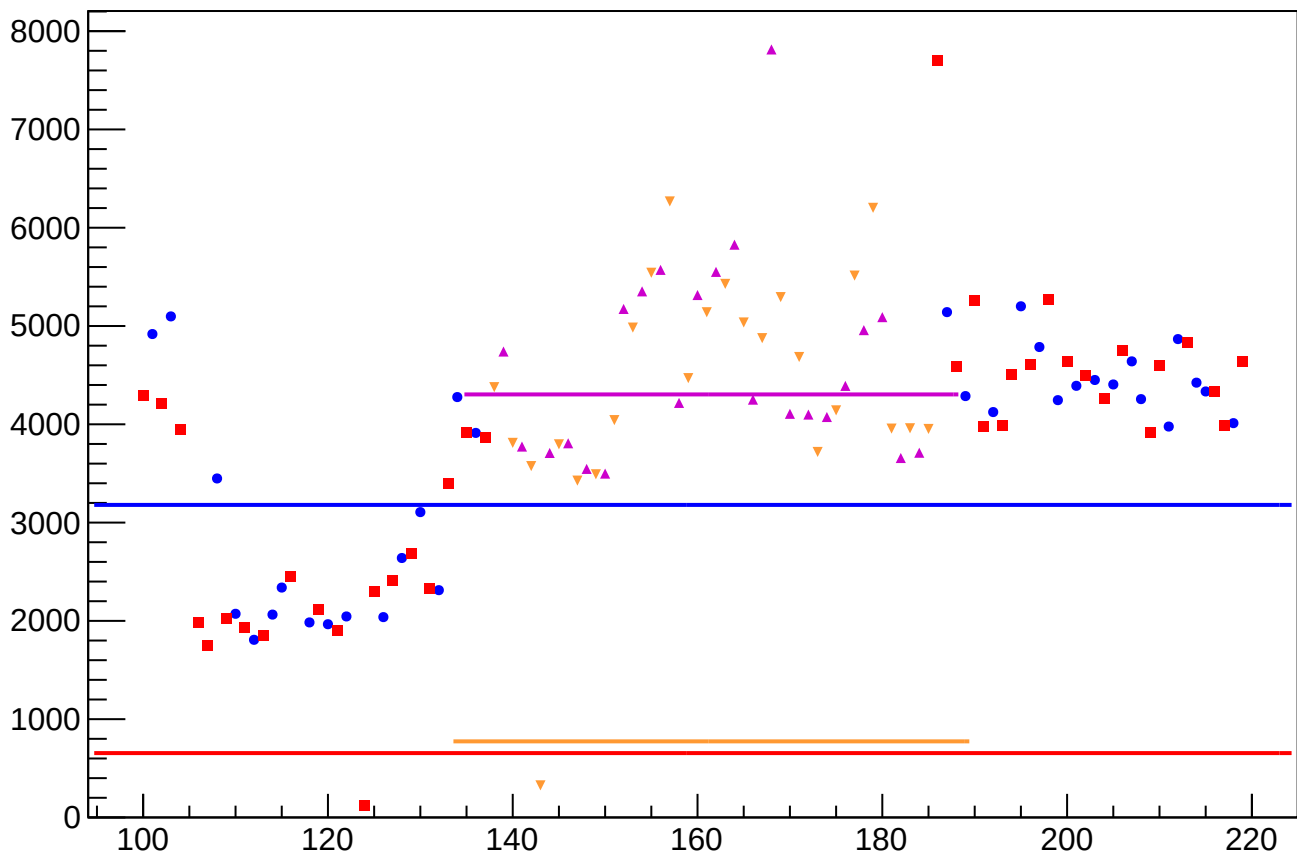
Left In: 28.766 $\pm$ 1025.480 χ^2 /NDF: 13.3/22

+ sign 173.082 $\pm$ 312.446 χ^2 /NDF: 70.4/56

All: 159.380 $\pm$ 213.633 χ^2 /NDF: 154.0/116

- sign 147.351 $\pm$ 292.760 χ^2 /NDF: 83.6/59

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 3179.919 $\pm$ 0.535 χ^2 /NDF: 4742533.8/31

Left Out: 774.143 $\pm$ 0.243 χ^2 /NDF: 28086455.1/24

Right Out: 654.837 $\pm$ 0.216 χ^2 /NDF: 33244126.9/36

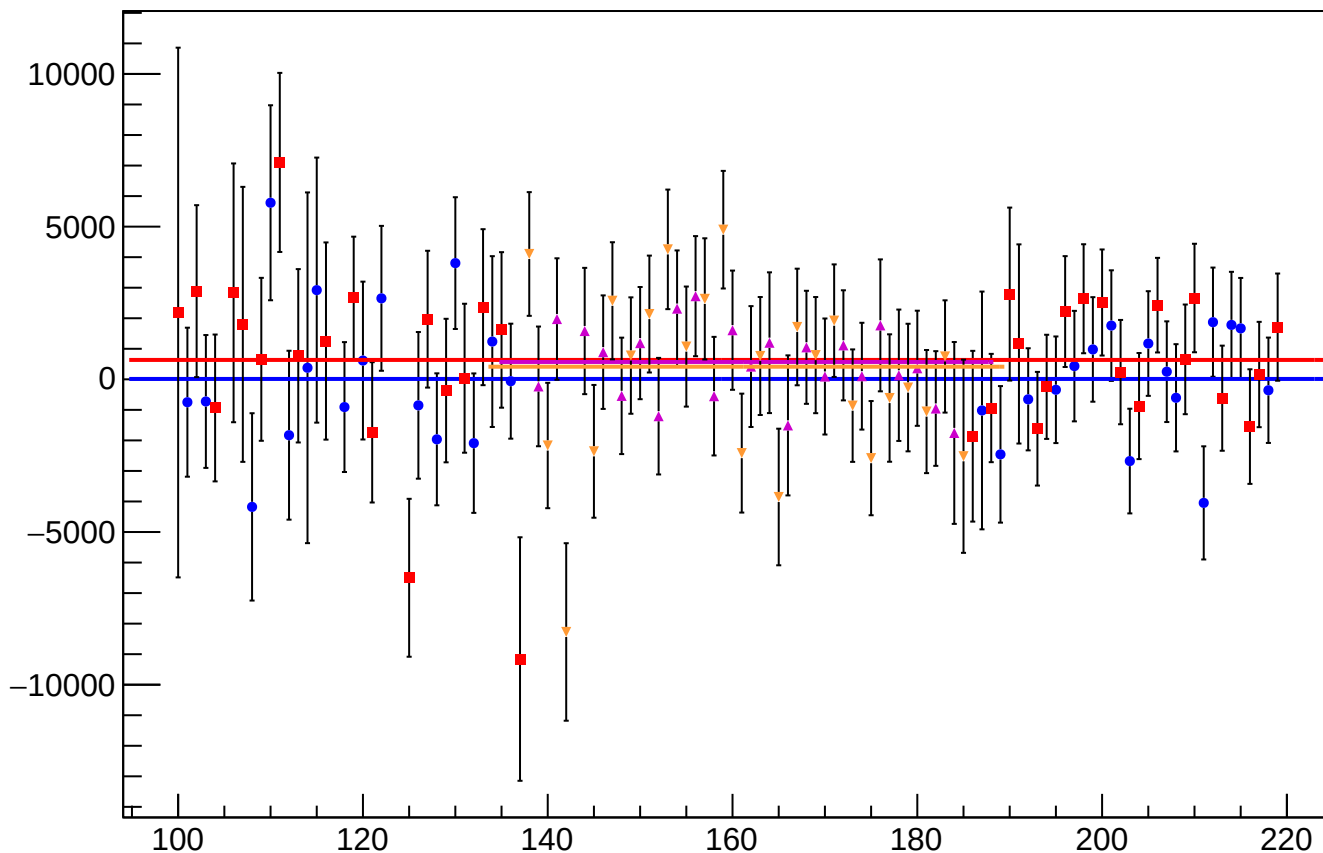
Left In: 4304.001 $\pm$ 0.725 χ^2 /NDF: 1216572.3/22

+ sign 1184.908 $\pm$ 0.221 χ^2 /NDF: 49617731.3/56

All: 1061.020 $\pm$ 0.151 χ^2 /NDF: 107930598.3/100

- sign 952.252 $\pm$ 0.207 χ^2 /NDF: 57722364.2/59

dit_asym_atl_dd_mean vs Slug



Right In: 12.543 $\pm$ 365.985 χ^2 /NDF: 26.6/31

Left Out: 413.309 $\pm$ 410.536 χ^2 /NDF:40.0/23

Right Out: 635.157 $\pm$ 361.594 χ^2 /NDF: 36.2/35

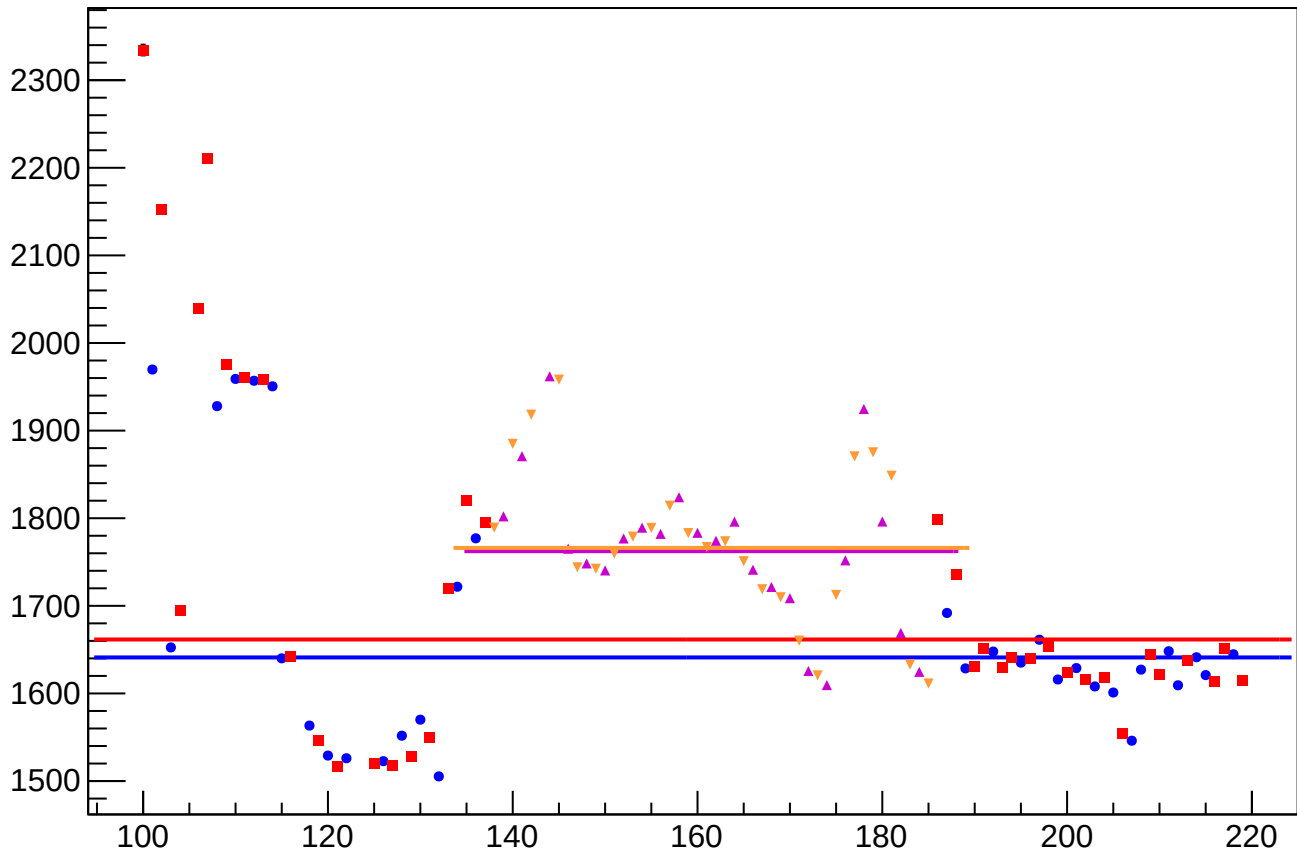
Left In: 568.823 $\pm$ 412.052 χ^2 /NDF:7.7/22

+ sign 190.009 $\pm$ 273.189 χ^2 /NDF: 67.2/55

All: 399.226 $\pm$ 192.675 χ^2 /NDF: 112.3/114

- sign 606.298 $\pm$ 271.784 χ^2 /NDF: 43.9/58

dit_asym_atl_dd_rms vs Slug



Right In: 1641.103+/-0.259 χ^2/NDF : 157111.0/31

Left Out: 1766.115+/-0.290 χ^2/NDF : 83252.4/23

Right Out: 1661.586+/-0.255 χ^2/NDF : 270213.6/35

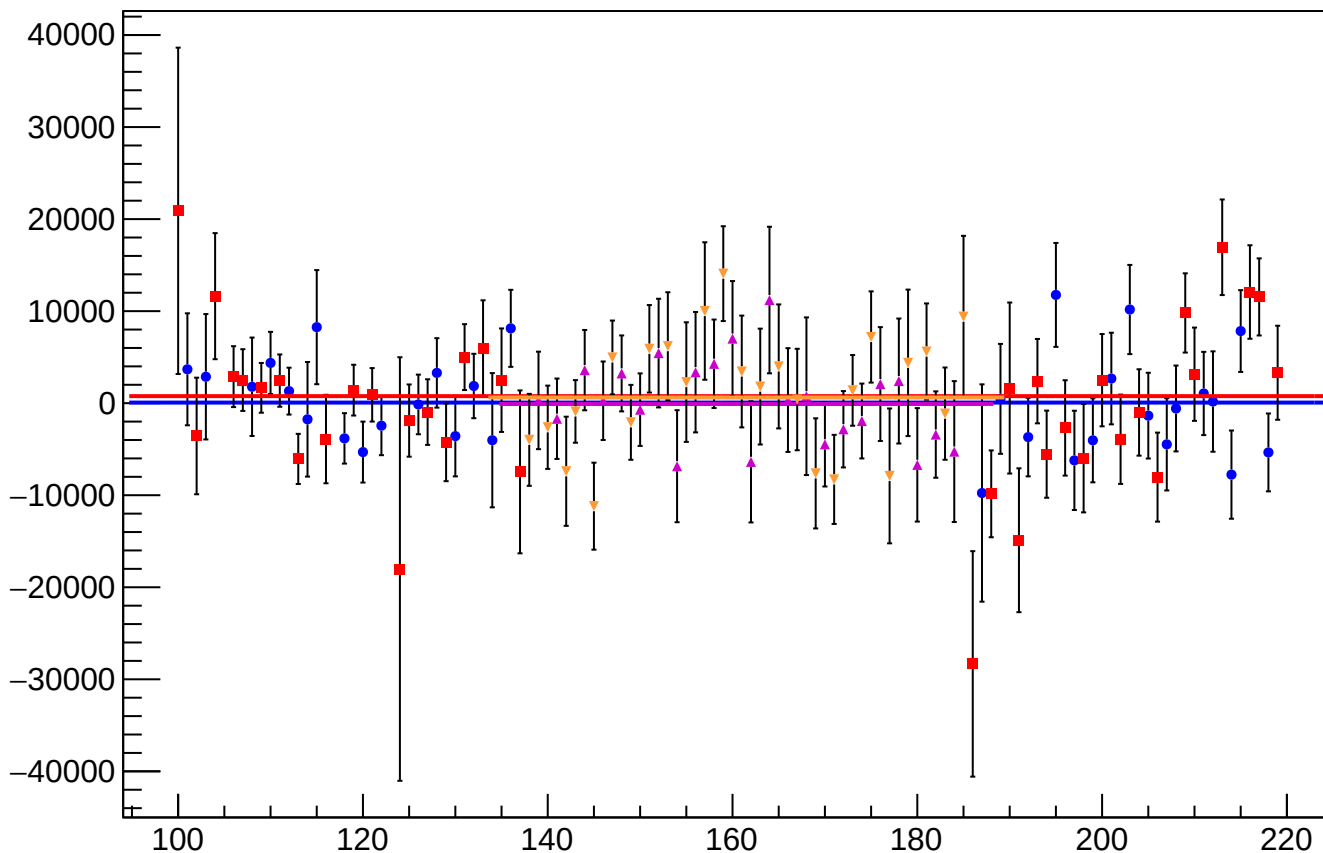
Left In: 1762.405+/-0.291 χ^2/NDF : 80090.6/22

+ sign 1696.460+/-0.193 χ^2/NDF : 343694.1/55

All: 1700.961+/-0.136 χ^2/NDF : 762763.7/114

- sign 1705.412+/-0.192 χ^2/NDF : 417990.0/58

asym_atl_dd_dit_correction_mean vs Slug



Right In: 65.876 ± 761.194 χ^2/NDF : 36.2/31

Left Out: 619.658 ± 1034.658 χ^2/NDF : 33.1/24

Right Out: 765.444 ± 715.732 χ^2/NDF : 67.9/36

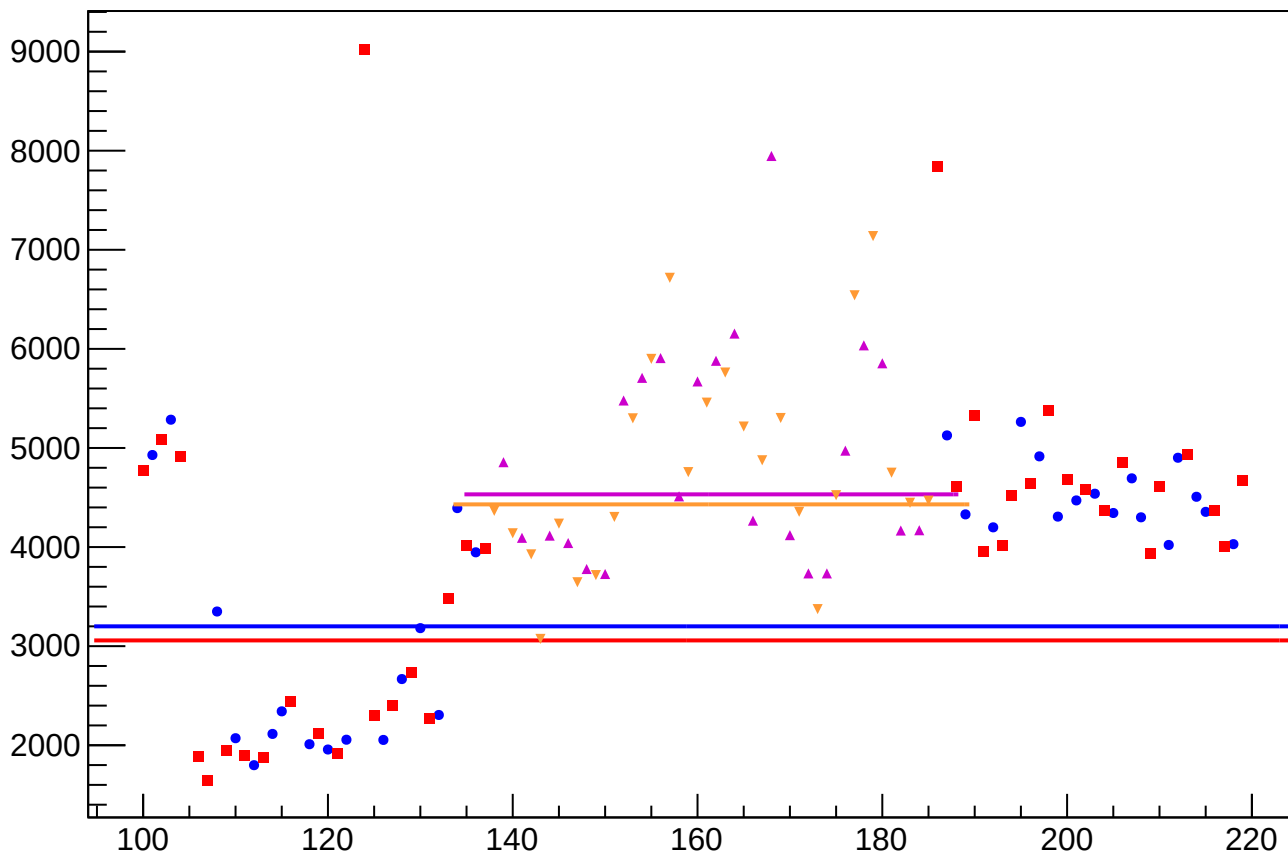
Left In: -85.511 ± 1082.508 χ^2/NDF : 12.9/22

+ sign 260.351 ± 613.139 χ^2/NDF : 69.5/56

All: 386.752 ± 427.747 χ^2/NDF : 150.8/116

- sign 506.599 ± 597.032 χ^2/NDF : 81.2/59

asym_atl_dd_dit_correction_rms vs Slug



Right In: 3199.997 ± 0.538 $\chi^2/\text{NDF}: 4866689.3/31$

Left Out: 4430.796 ± 0.732 $\chi^2/\text{NDF}: 1613272.4/24$

Right Out: 3057.922 ± 0.506 $\chi^2/\text{NDF}: 6325657.7/36$

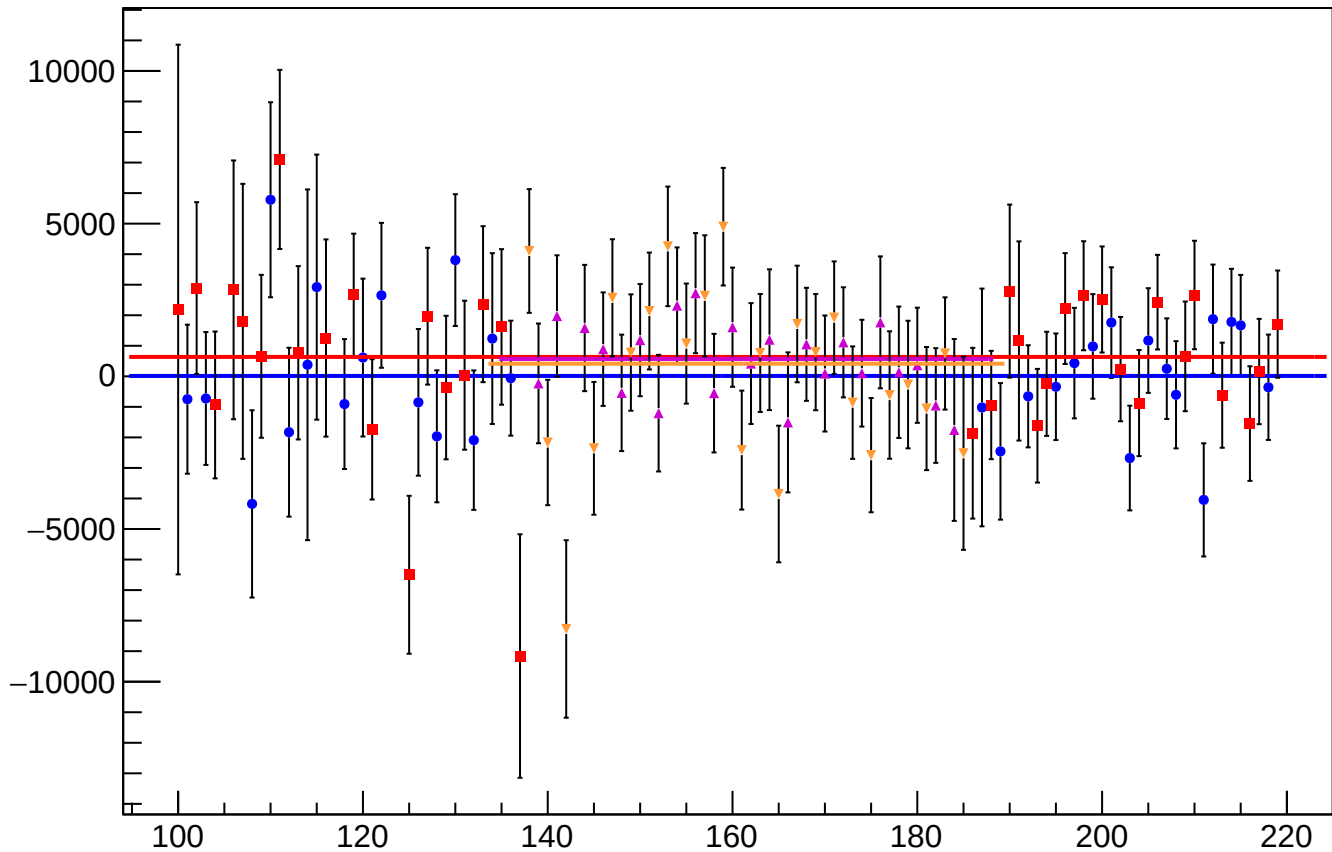
Left In: 4531.944 ± 0.765 $\chi^2/\text{NDF}: 1376472.2/22$

+ sign 3632.224 ± 0.434 $\chi^2/\text{NDF}: 8316236.9/56$

All: 3567.583 ± 0.302 $\chi^2/\text{NDF}: 18641978.3/100$

- sign 3506.293 ± 0.422 $\chi^2/\text{NDF}: 10282434.8/59$

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 12.540 $\pm$ 365.985 χ^2 /NDF: 26.6/31

Left Out: 413.311 $\pm$ 410.536 χ^2 /NDF:40.0/23

Right Out: 635.154 $\pm$ 361.594 χ^2 /NDF: 36.2/35

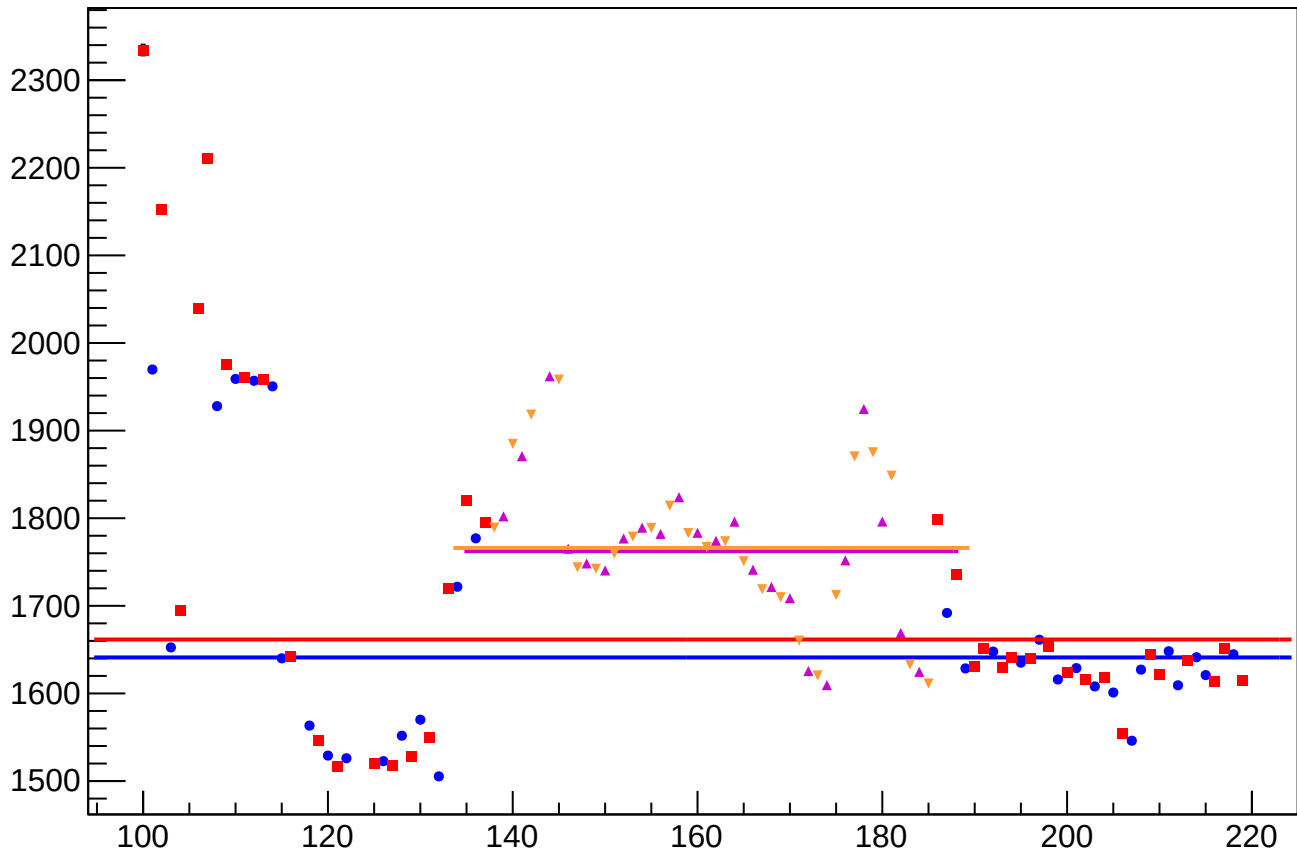
Left In: 568.821 $\pm$ 412.052 χ^2 /NDF:7.7/22

+ sign 190.008 $\pm$ 273.189 χ^2 /NDF: 67.2/55

All: 399.224 $\pm$ 192.675 χ^2 /NDF: 112.3/114

- sign 606.296 $\pm$ 271.784 χ^2 /NDF: 43.9/58

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1641.103 ± 0.259 χ^2/NDF : 157111.0/31

Left Out: 1766.116 ± 0.290 χ^2/NDF : 83255.3/23

Right Out: 1661.586 ± 0.255 χ^2/NDF : 270212.3/35

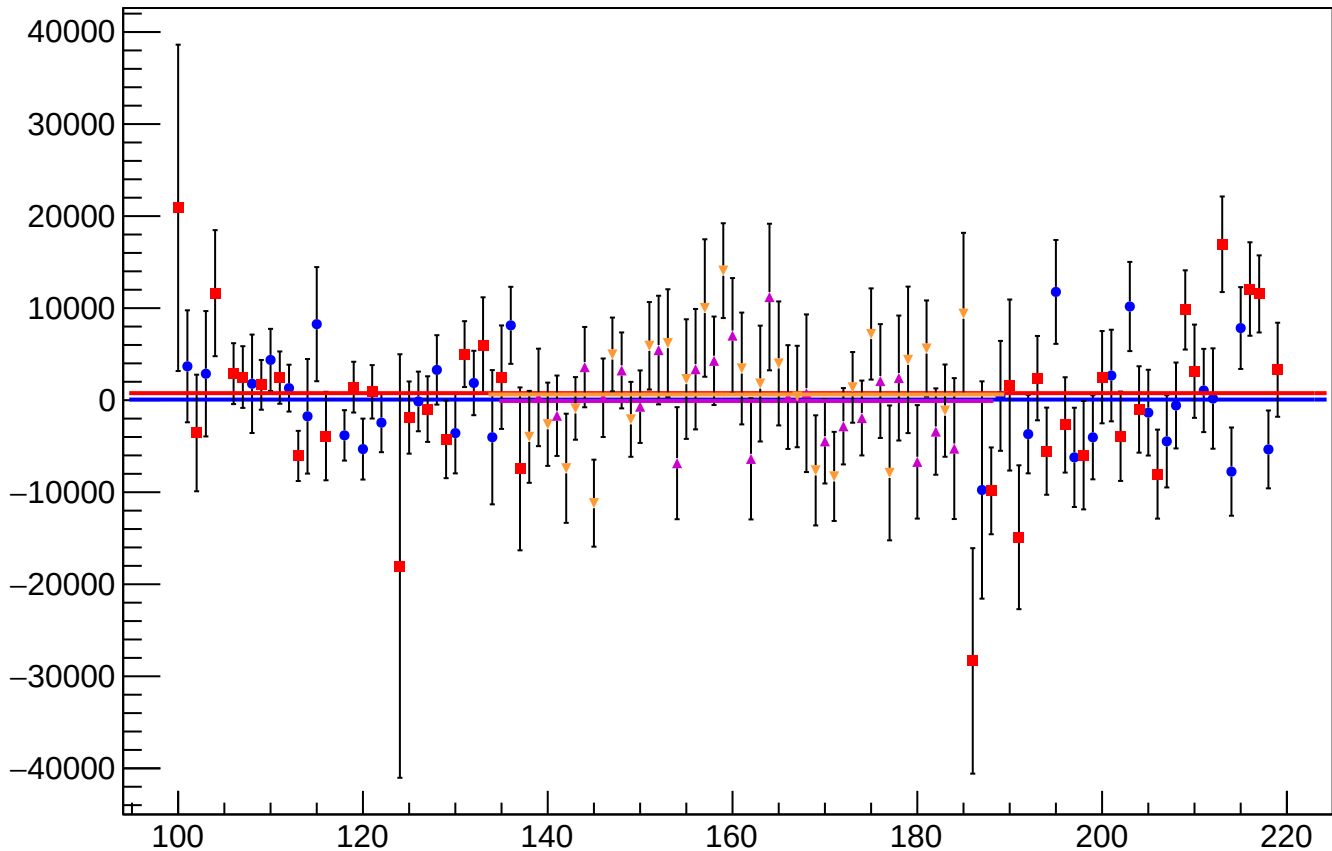
Left In: 1762.406 ± 0.291 χ^2/NDF : 80093.2/22

+ sign 1696.461 ± 0.193 χ^2/NDF : 343698.5/55

All: 1700.961 ± 0.136 χ^2/NDF : 762770.5/114

- sign 1705.412 ± 0.192 χ^2/NDF : 417992.4/58

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 65.872 ± 761.193 χ^2/NDF : 36.2/31

Left Out: 619.663 ± 1034.659 χ^2/NDF : 33.1/24

Right Out: 765.445 ± 715.730 χ^2/NDF : 67.9/36

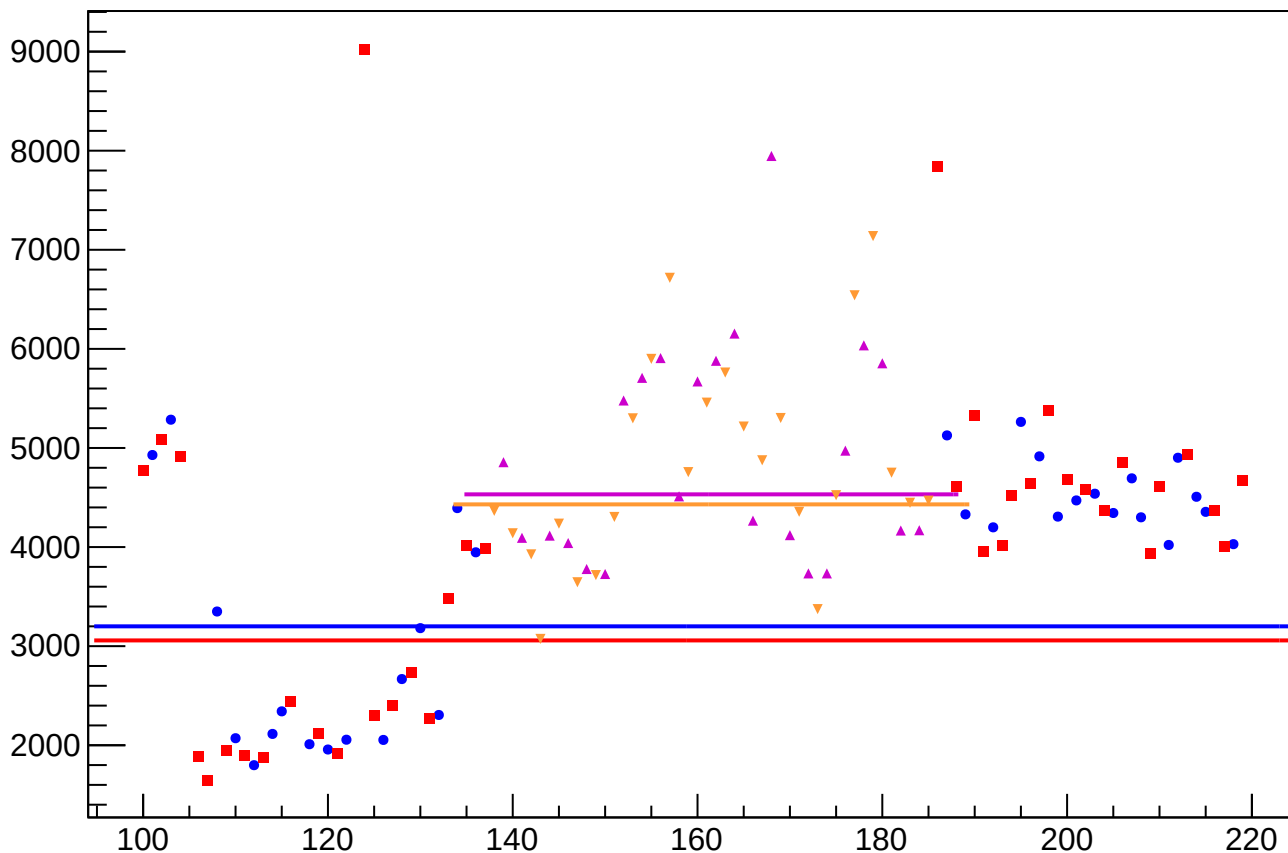
Left In: -85.511 ± 1082.509 χ^2/NDF : 12.9/22

+ sign 260.349 ± 613.139 χ^2/NDF : 69.5/56

All: 386.752 ± 427.746 χ^2/NDF : 150.8/116

- sign 506.600 ± 597.032 χ^2/NDF : 81.2/59

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 3199.989 $\pm$ 0.538 χ^2 /NDF: 4866771.7/31

Left Out: 4430.803 $\pm$ 0.732 χ^2 /NDF: 1613274.9/24

Right Out: 3057.914 $\pm$ 0.506 χ^2 /NDF: 6325728.9/36

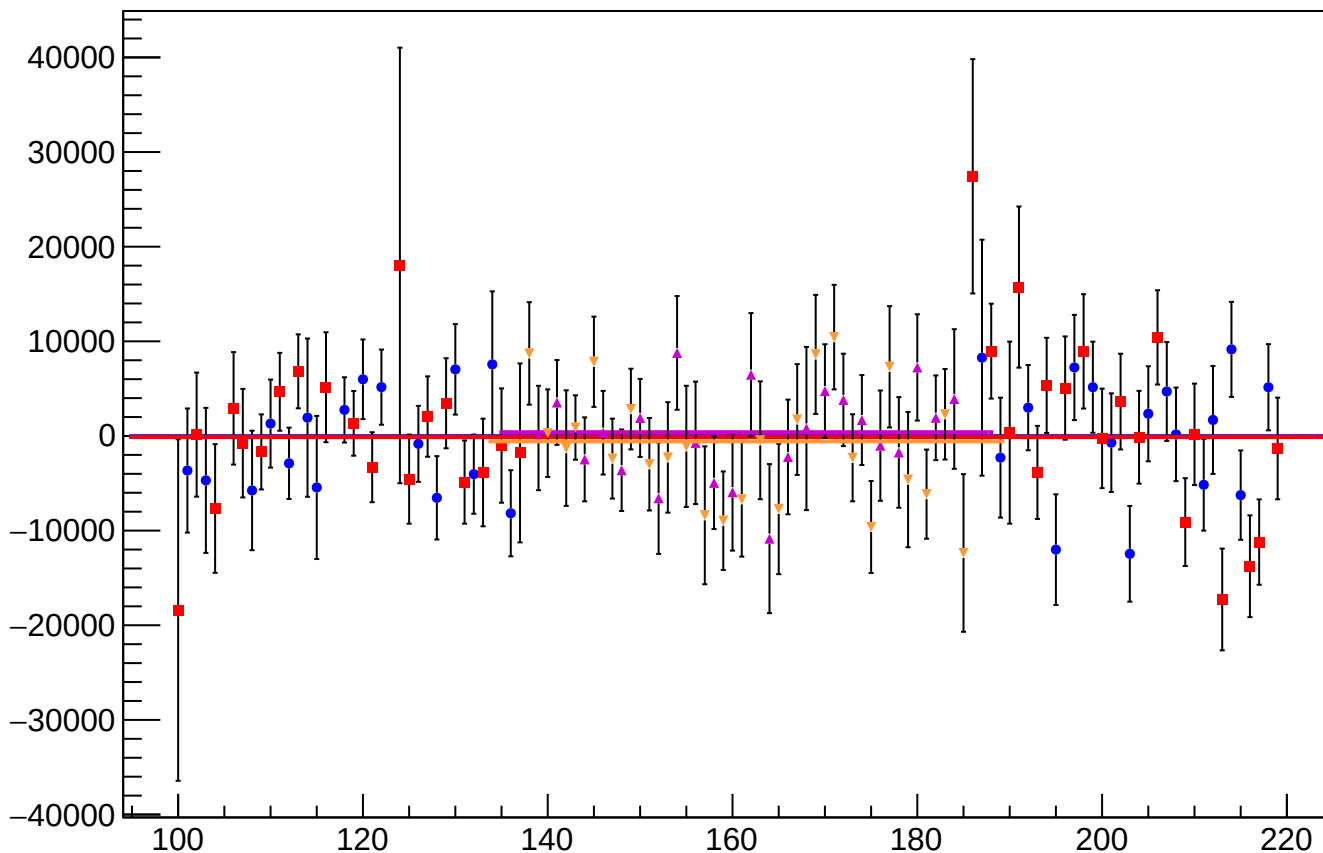
Left In: 4531.951 $\pm$ 0.765 χ^2 /NDF: 1376473.4/22

+ sign 3632.219 $\pm$ 0.434 χ^2 /NDF: 8316366.1/56

All: 3567.578 $\pm$ 0.302 χ^2 /NDF: 18642232.0/100

- sign 3506.288 $\pm$ 0.422 χ^2 /NDF: 10282558.7/59

asym_atl_dd_mean vs Slug



Right In: -23.920 ± 883.050 χ^2/NDF : 39.4/31

Left Out: -573.122 ± 1054.836 χ^2/NDF : 28.8/24

Right Out: -117.803 ± 858.904 χ^2/NDF : 61.1/36

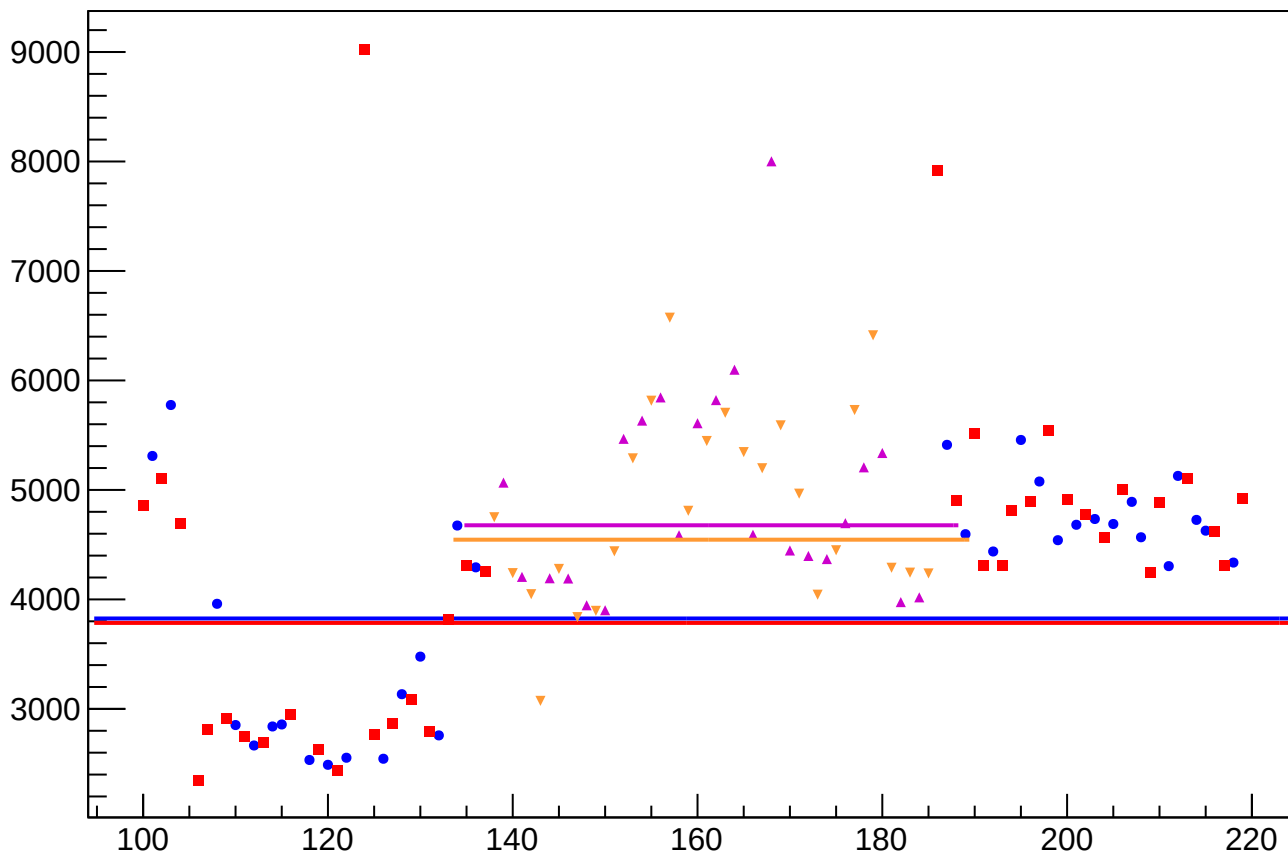
Left In: 398.404 ± 1109.490 χ^2/NDF : 14.0/22

+ sign -250.216 ± 677.107 χ^2/NDF : 68.3/56

All: -87.788 ± 479.515 χ^2/NDF : 143.6/116

- sign 75.633 ± 679.172 χ^2/NDF : 75.2/59

asym_atl_dd_rms vs Slug



Right In: 3825.782 $\pm$ 0.624 χ^2 /NDF: 2675129.1/31

Left Out: 4545.493 $\pm$ 0.746 χ^2 /NDF:1258528.5/24

Right Out: 3785.280 $\pm$ 0.603 χ^2 /NDF: 3238125.1/36

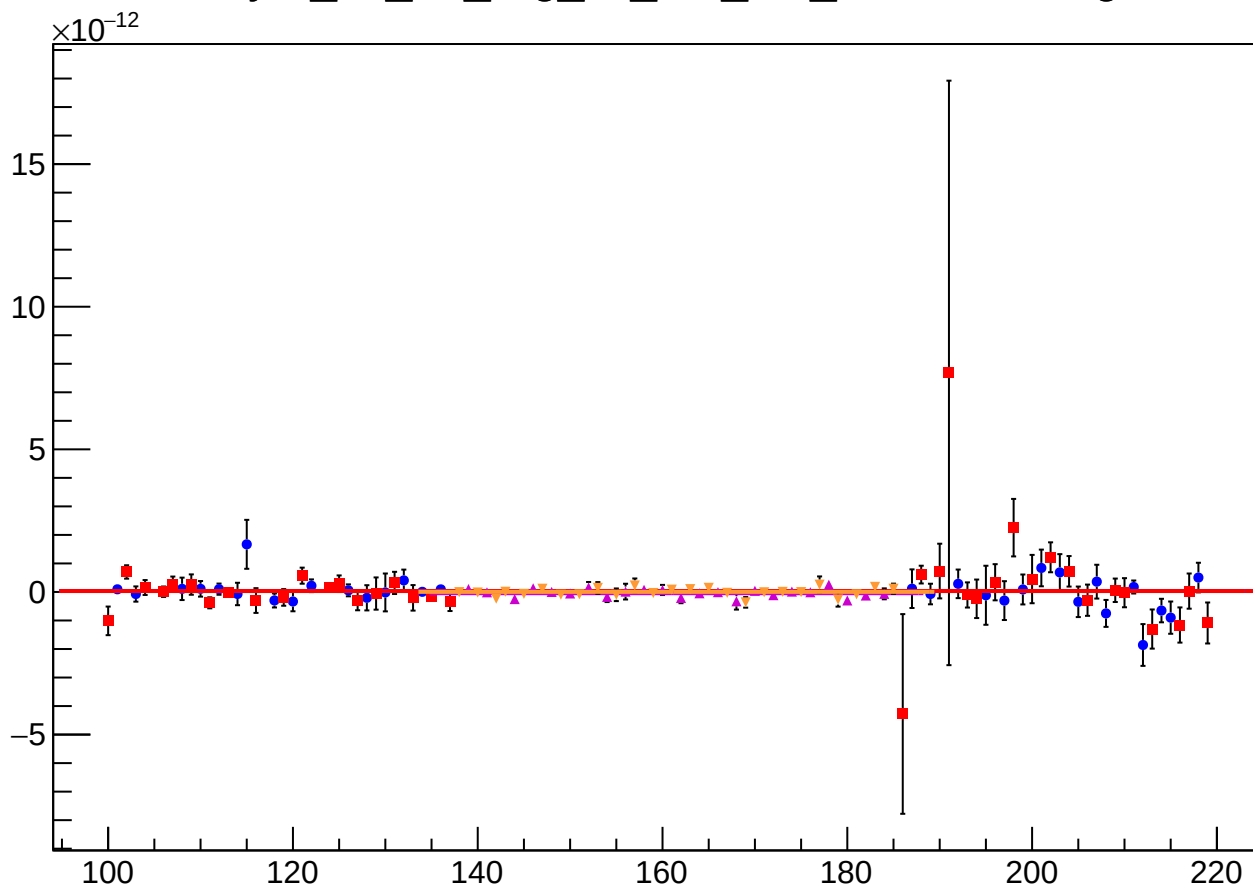
Left In: 4677.049 $\pm$ 0.785 χ^2 /NDF:959885.7/22

+ sign 4122.335 $\pm$ 0.479 χ^2 /NDF: 4481077.7/56

All: 4119.306 $\pm$ 0.338 χ^2 /NDF: 9491650.6/11

- sign 4116.288 $\pm$ 0.478 χ^2 /NDF: 5010493.0/59

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 29.7/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 18.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 58.8/36

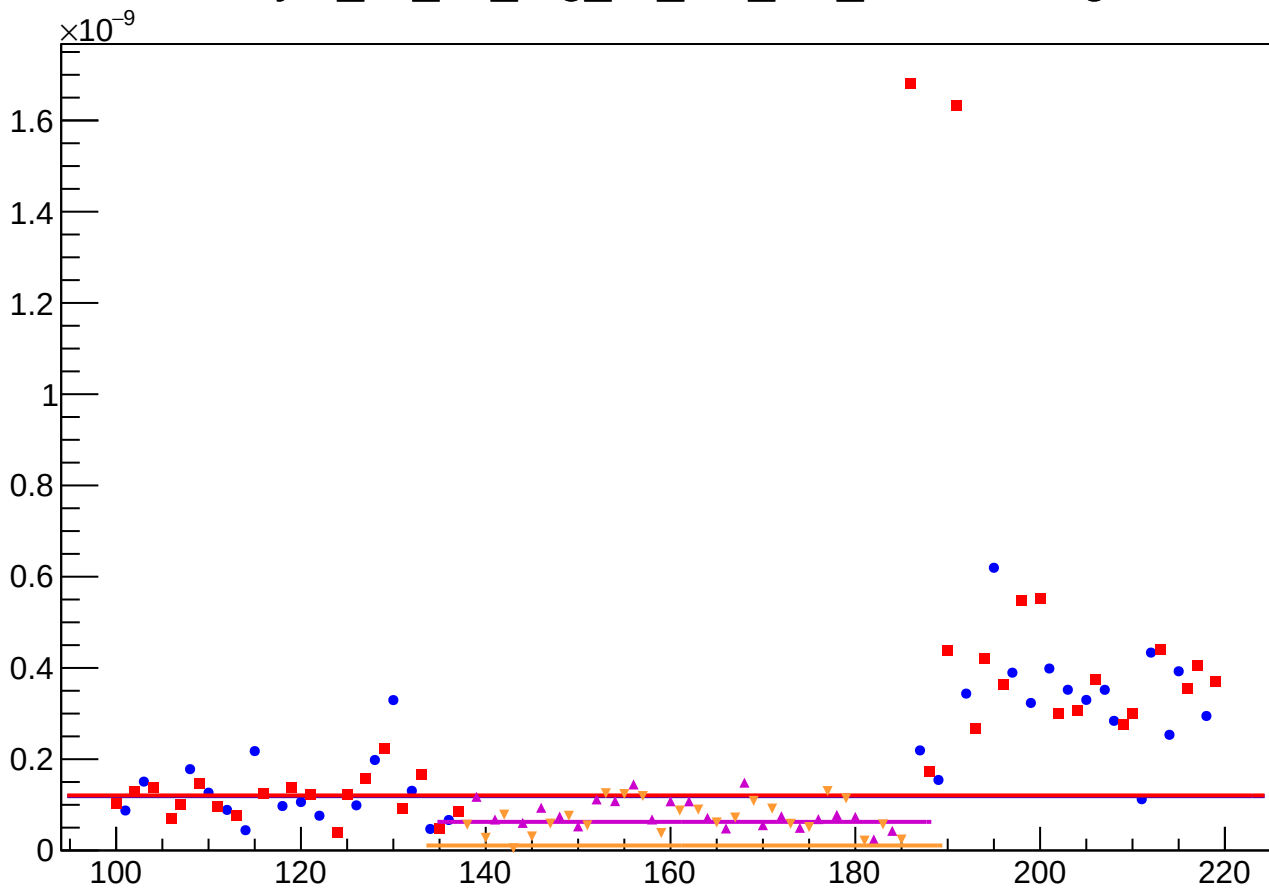
Left In: -0.000 ± 0.000 χ^2/NDF : 20.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 48.2/56

All: 0.000 ± 0.000 χ^2/NDF : 131.2/116

- sign -0.000 ± 0.000 χ^2/NDF : 81.2/59

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5848004.5/31

Left Out: 0.000+/-0.000 χ^2/NDF : 9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7023298.9/36

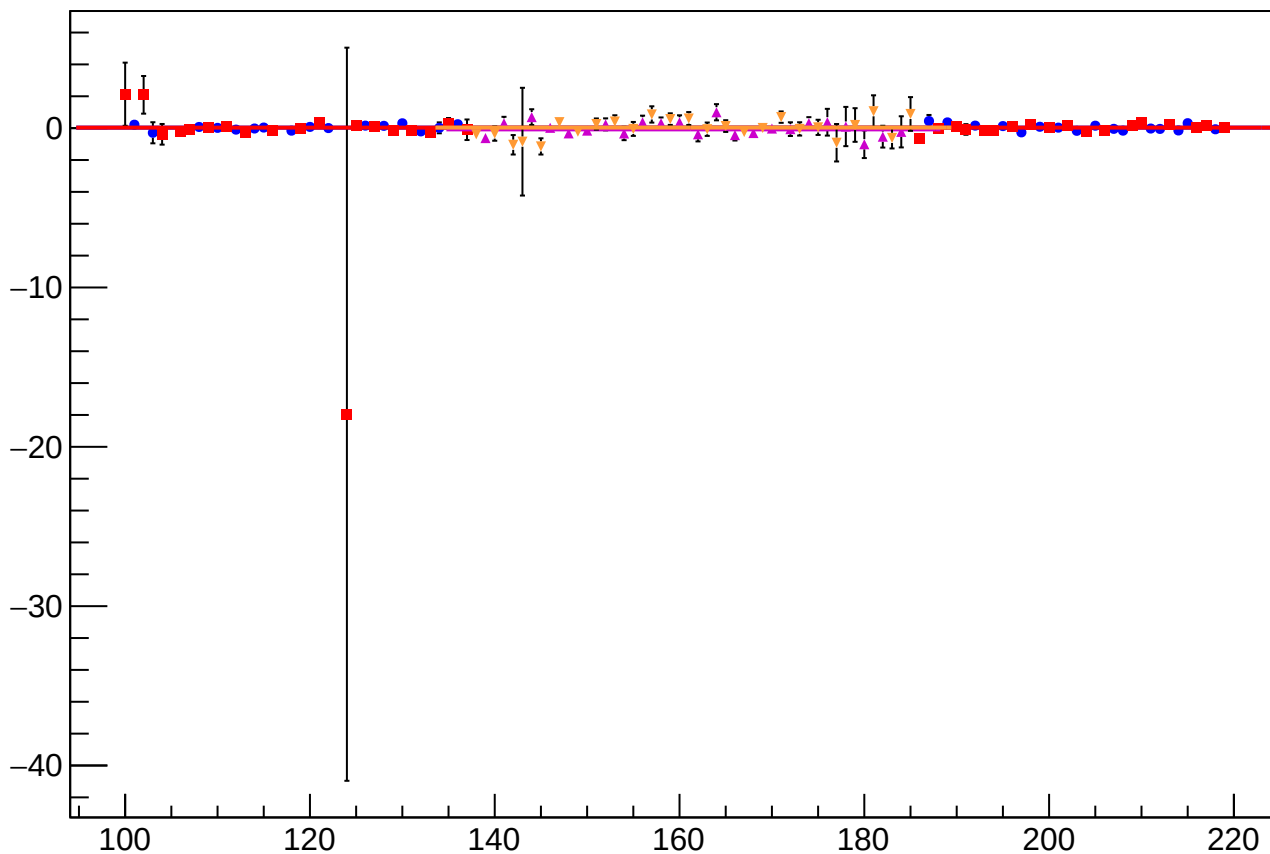
Left In: 0.000+/-0.000 χ^2/NDF : 2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 24289915.0/56

All: 0.000+/-0.000 χ^2/NDF : 47521537.1/116

- sign 0.000+/-0.000 χ^2/NDF : 11120139.0/59

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.031 ± 0.030 χ^2/NDF : 28.1/31

Left Out: 0.036 ± 0.077 χ^2/NDF : 29.7/24

Right Out: 0.032 ± 0.028 χ^2/NDF : 44.6/36

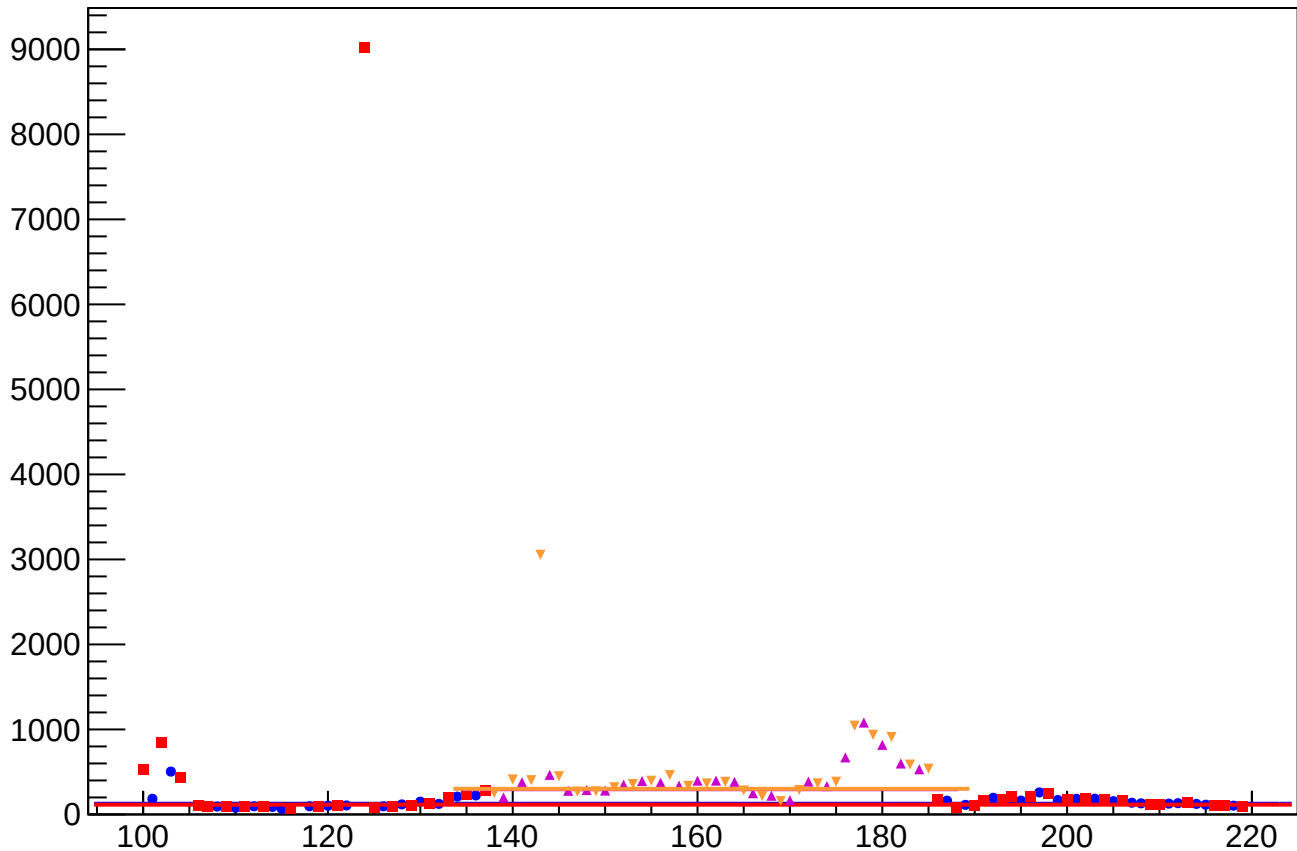
Left In: -0.078 ± 0.076 χ^2/NDF : 24.1/22

+ sign 0.032 ± 0.028 χ^2/NDF : 57.8/56

All: 0.025 ± 0.019 χ^2/NDF : 128.4/116

- sign 0.019 ± 0.026 χ^2/NDF : 70.5/59

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 125.772 $\pm$ 0.021 χ^2 /NDF: 3566083.0/31

Left Out: 301.735 $\pm$ 0.054 χ^2 /NDF: 6693517.2/24

Right Out: 115.074 $\pm$ 0.019 χ^2 /NDF: 5616484.0/36

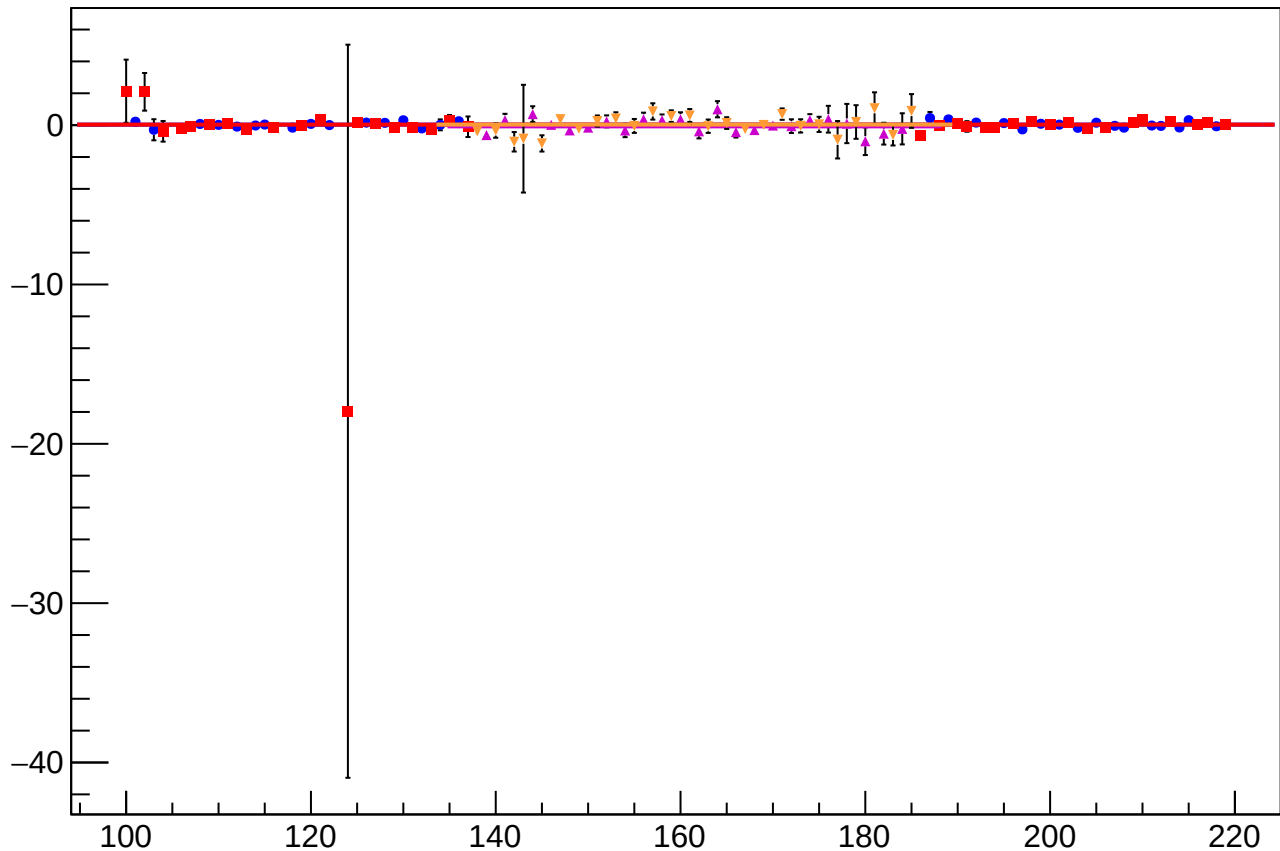
Left In: 296.875 $\pm$ 0.054 χ^2 /NDF: 4917907.0/22

+ sign 149.085 $\pm$ 0.020 χ^2 /NDF: 19336327.0/56

All: 142.200 $\pm$ 0.013 χ^2 /NDF: 40272220.6/11

- sign 136.316 $\pm$ 0.018 χ^2 /NDF: 20711673.1/59

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.031 ± 0.030 χ^2/NDF : 28.1/31

Left Out: 0.036 ± 0.077 χ^2/NDF : 29.7/24

Right Out: 0.032 ± 0.028 χ^2/NDF : 44.6/36

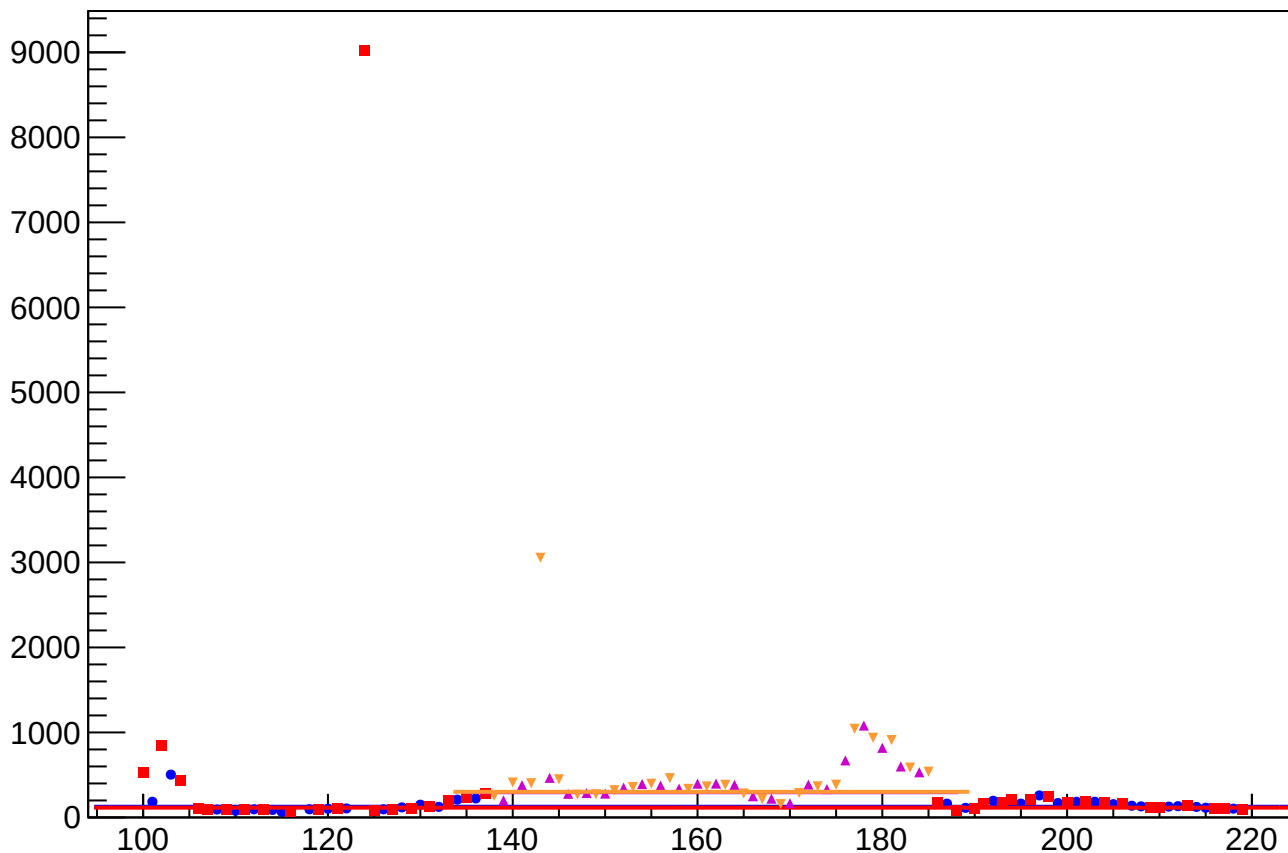
Left In: -0.078 ± 0.076 χ^2/NDF : 24.1/22

+ sign 0.032 ± 0.028 χ^2/NDF : 57.8/56

All: 0.025 ± 0.019 χ^2/NDF : 128.4/116

- sign 0.019 ± 0.026 χ^2/NDF : 70.5/59

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 125.772 $\pm$ 0.021 χ^2 /NDF: 3566083.0/31

Left Out: 301.735 $\pm$ 0.054 χ^2 /NDF: 6693517.2/24

Right Out: 115.074 $\pm$ 0.019 χ^2 /NDF: 5616484.0/36

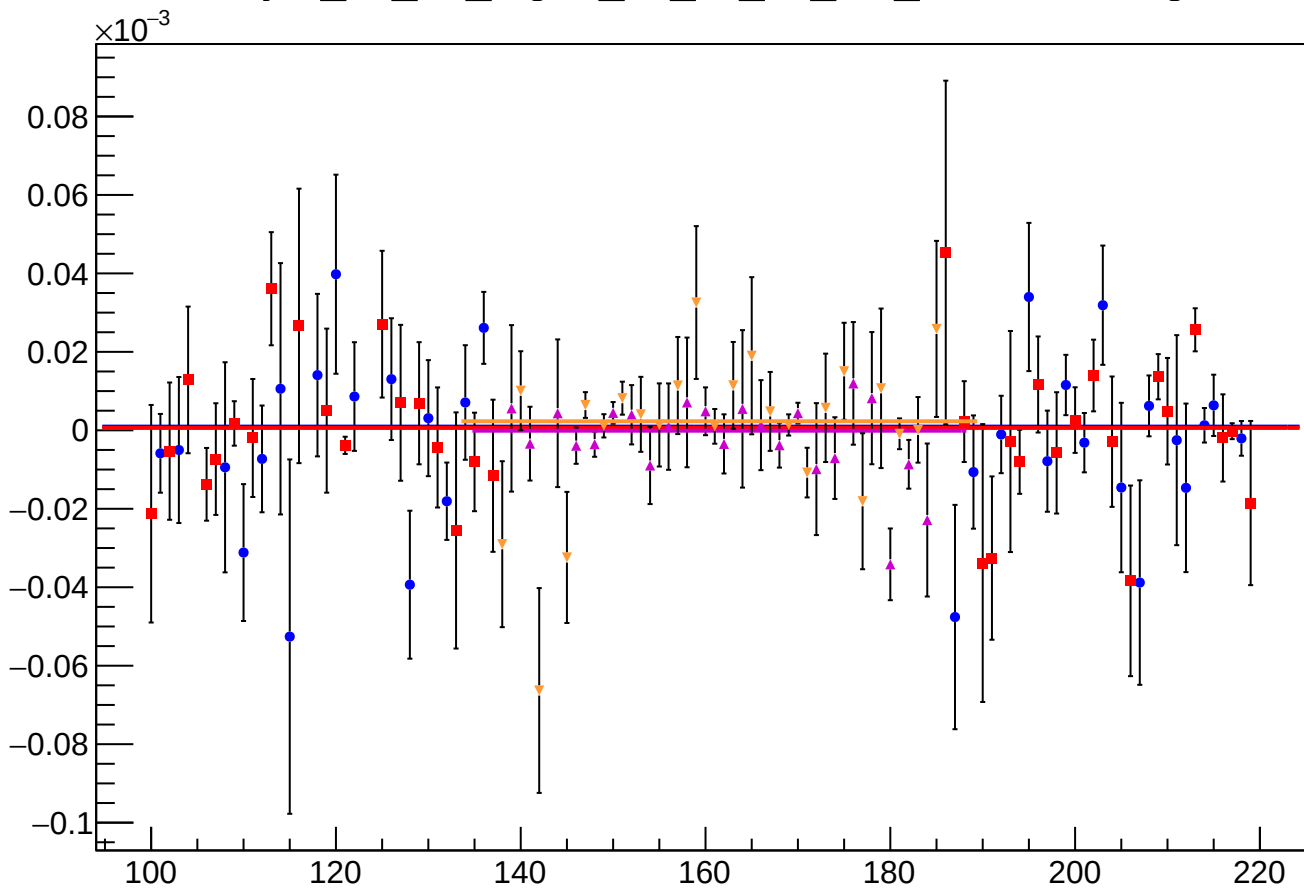
Left In: 296.875 $\pm$ 0.054 χ^2 /NDF: 4917907.0/22

+ sign 149.085 $\pm$ 0.020 χ^2 /NDF: 19336327.0/56

All: 142.200 $\pm$ 0.013 χ^2 /NDF: 40272220.6/1

- sign 136.316 $\pm$ 0.018 χ^2 /NDF: 20711673.1/59

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.9/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:31.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 57.2/35

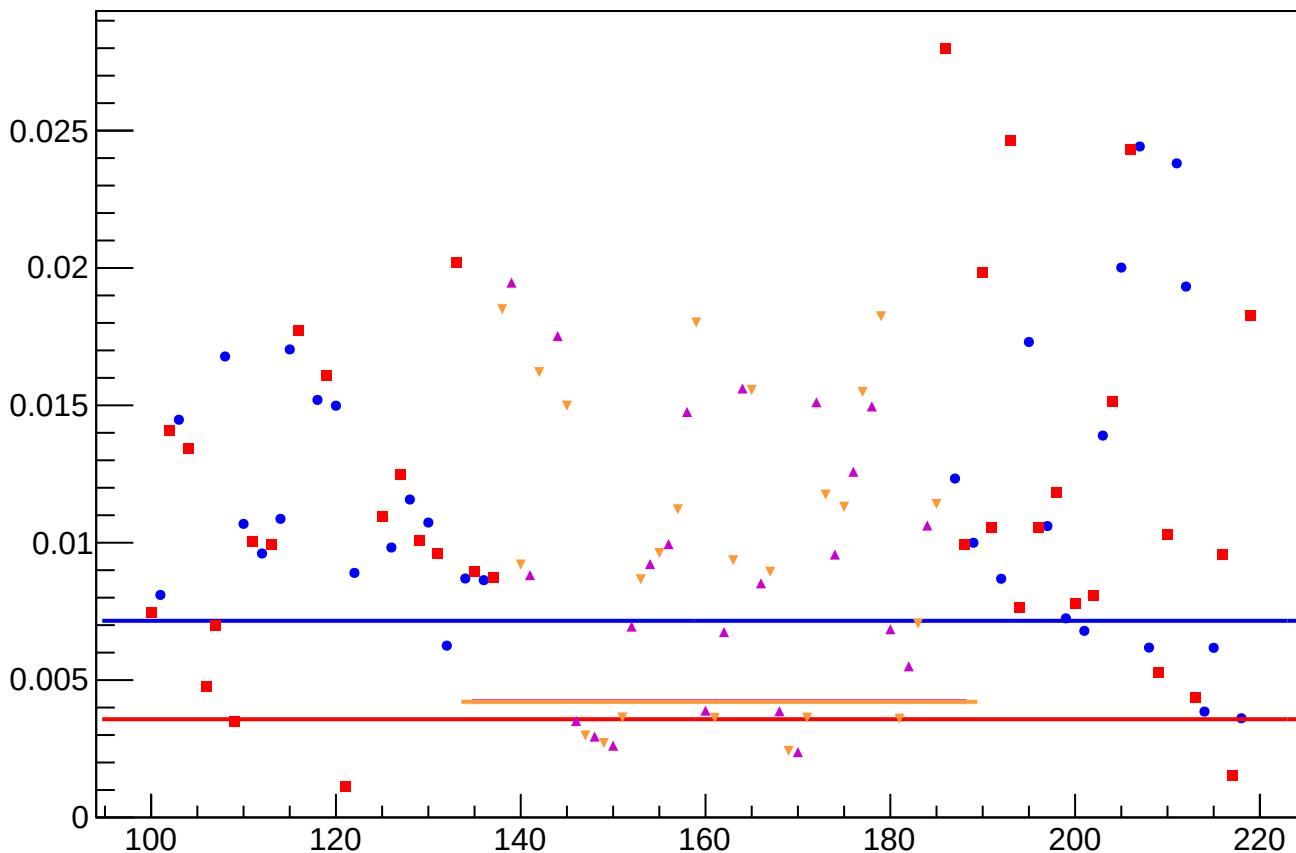
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:29.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 75.4/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 163.3/114

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 86.5/58

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 8544312.3/31

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:12078055.5/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 20908209.9/35

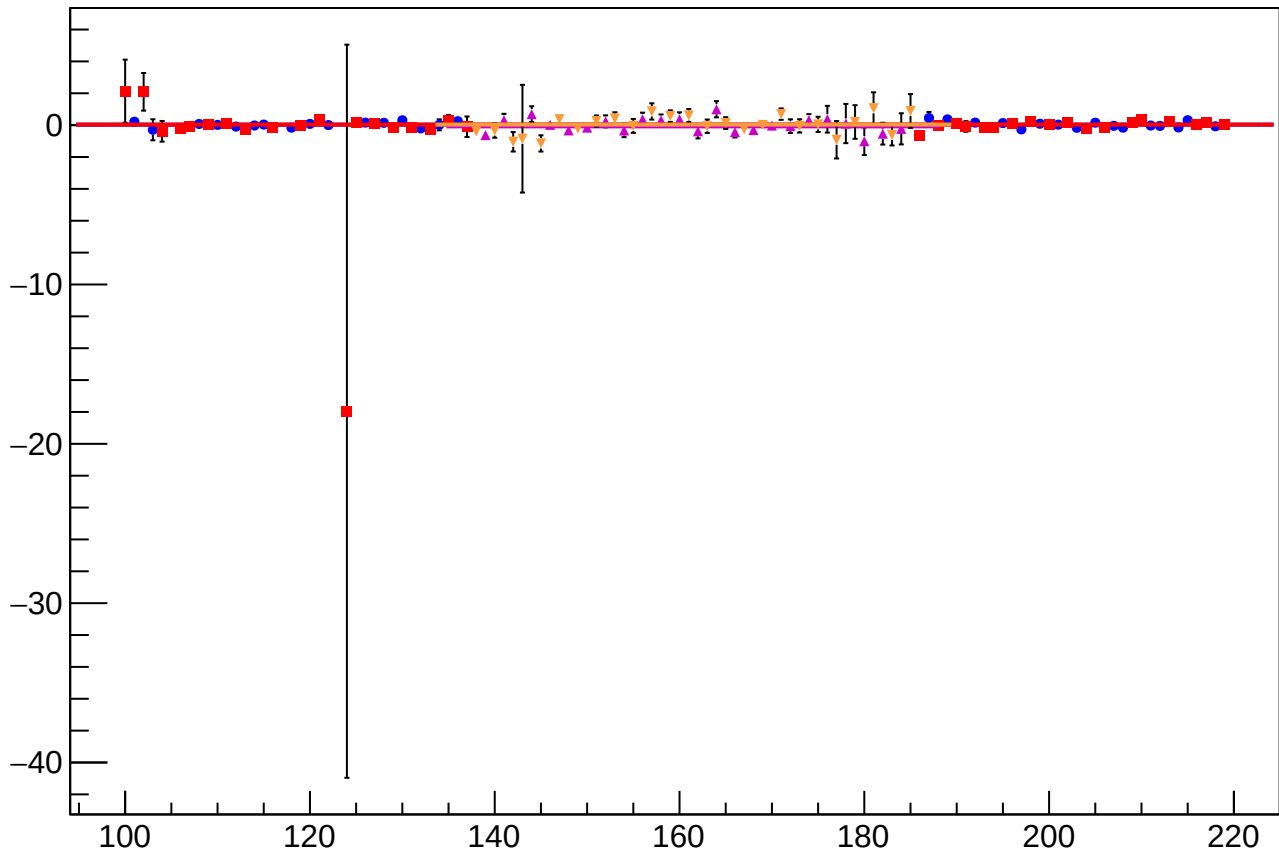
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:11034220.9/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 23998067.9/55

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 57825841.7/114

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 32221805.7/58

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.031 ± 0.030 χ^2/NDF : 28.1/31

Left Out: 0.036 ± 0.077 χ^2/NDF : 29.7/24

Right Out: 0.032 ± 0.028 χ^2/NDF : 44.6/36

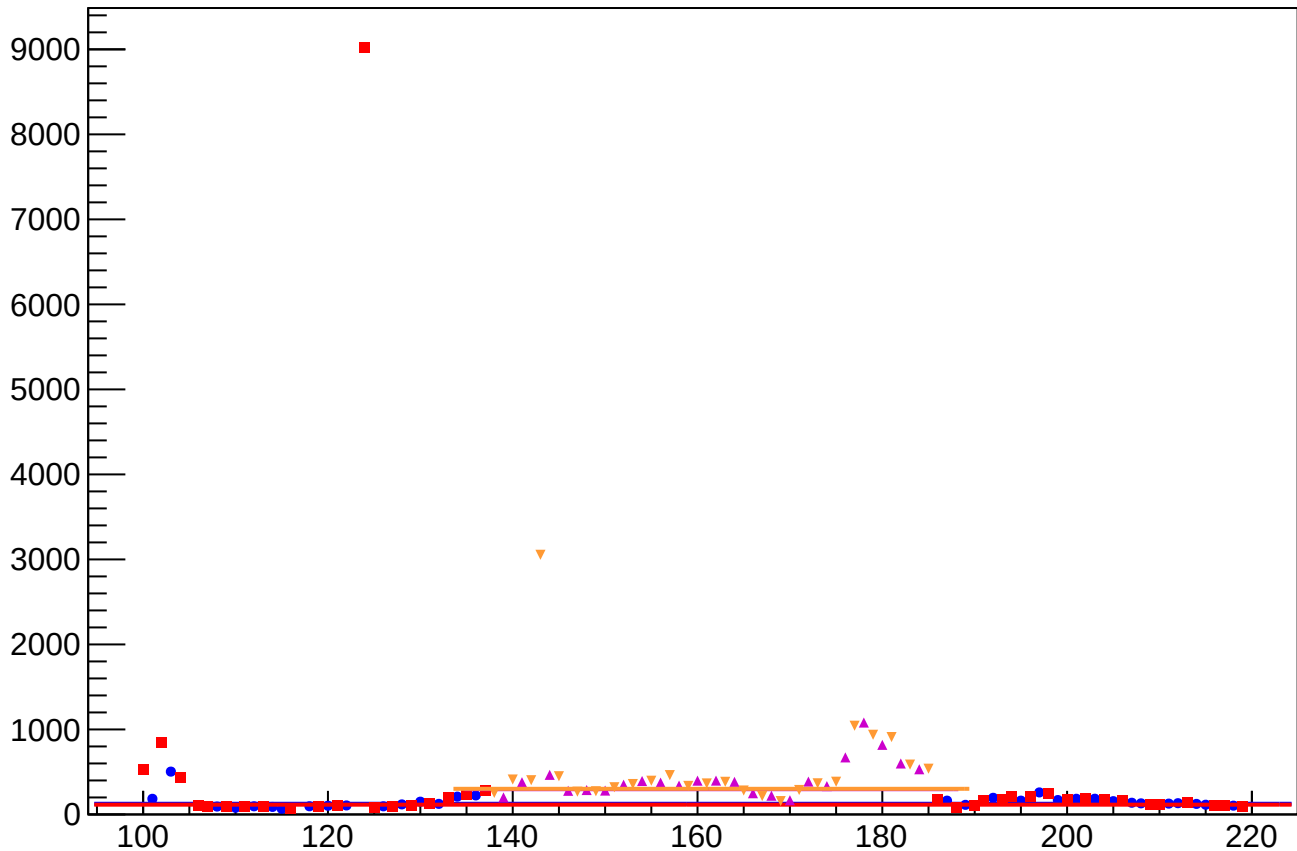
Left In: -0.078 ± 0.076 χ^2/NDF : 24.1/22

+ sign 0.032 ± 0.028 χ^2/NDF : 57.8/56

All: 0.025 ± 0.019 χ^2/NDF : 128.4/116

- sign 0.019 ± 0.026 χ^2/NDF : 70.5/59

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 125.773+/-0.021 χ^2/NDF : 3566066.3/31

Left Out: 301.737+/-0.054 χ^2/NDF : 6693577.7/24

Right Out: 115.075+/-0.019 χ^2/NDF : 5616370.7/36

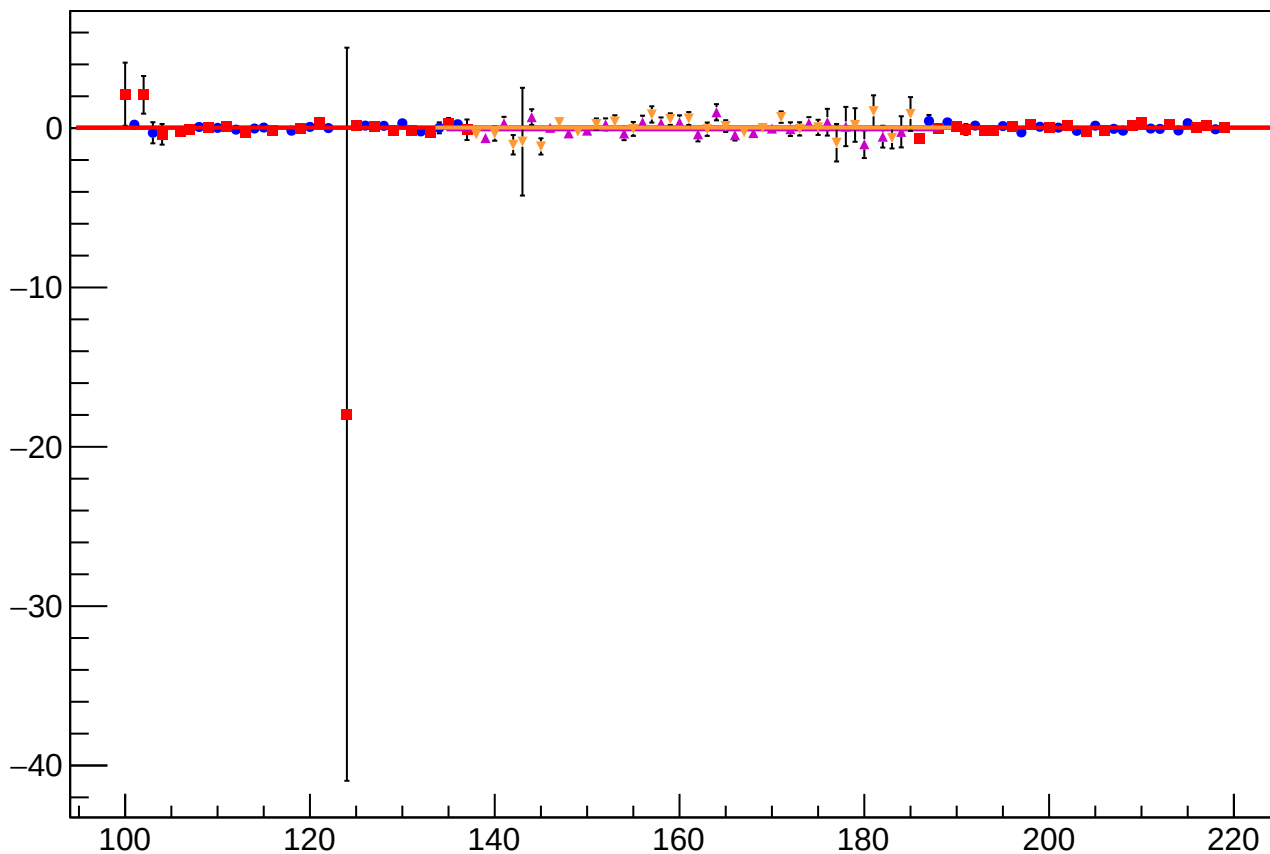
Left In: 296.878+/-0.054 χ^2/NDF : 4917864.1/22

+ sign 149.086+/-0.020 χ^2/NDF : 19336316.5/56

All: 142.201+/-0.013 χ^2/NDF : 40272039.9/11

- sign 136.317+/-0.018 χ^2/NDF : 20711519.2/59

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.031 $\pm$ 0.030 χ^2 /NDF: 28.1/31

Left Out: 0.036 $\pm$ 0.077 χ^2 /NDF: 29.7/24

Right Out: 0.032 $\pm$ 0.028 χ^2 /NDF: 44.6/36

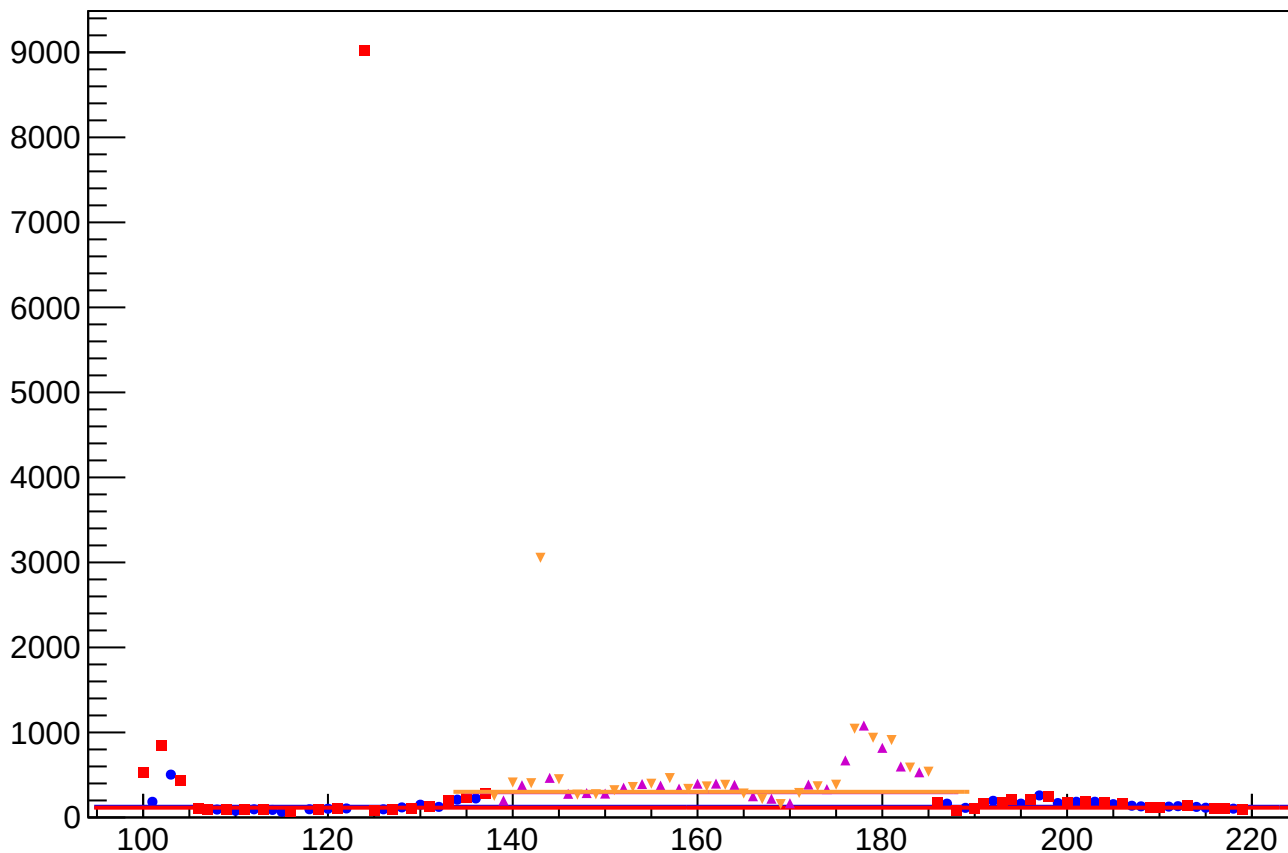
Left In: -0.078 $\pm$ 0.076 χ^2 /NDF: 24.1/22

+ sign 0.032 $\pm$ 0.028 χ^2 /NDF: 57.8/56

All: 0.025 $\pm$ 0.019 χ^2 /NDF: 128.4/116

- sign 0.019 $\pm$ 0.026 χ^2 /NDF: 70.5/59

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 125.773+/-0.021 χ^2/NDF : 3566066.3/31

Left Out: 301.737+/-0.054 χ^2/NDF : 6693577.7/24

Right Out: 115.075+/-0.019 χ^2/NDF : 5616370.7/36

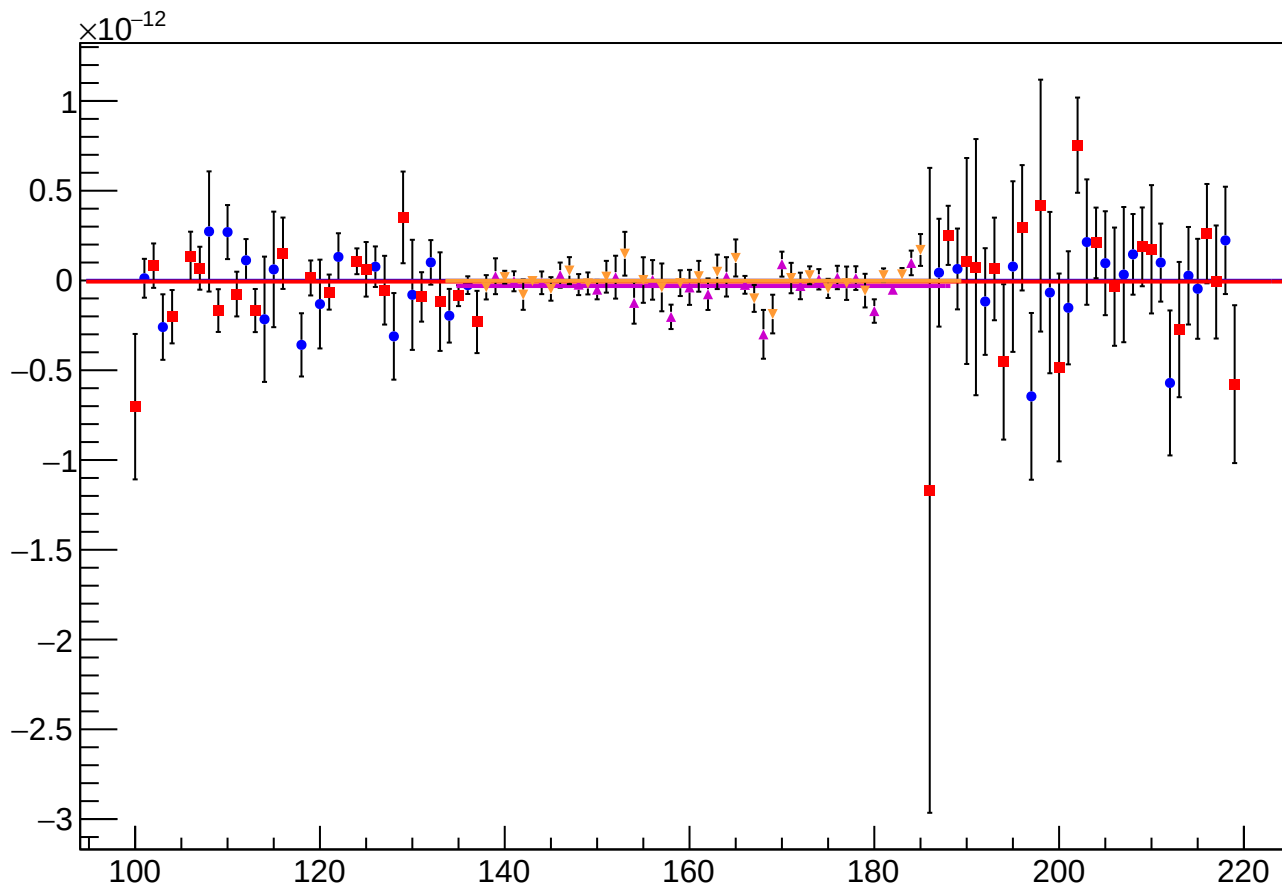
Left In: 296.878+/-0.054 χ^2/NDF : 4917864.1/22

+ sign 149.086+/-0.020 χ^2/NDF : 19336316.5/56

All: 142.201+/-0.013 χ^2/NDF : 40272039.9/11

- sign 136.317+/-0.018 χ^2/NDF : 20711519.2/59

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 23.7/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 17.7/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 39.9/36

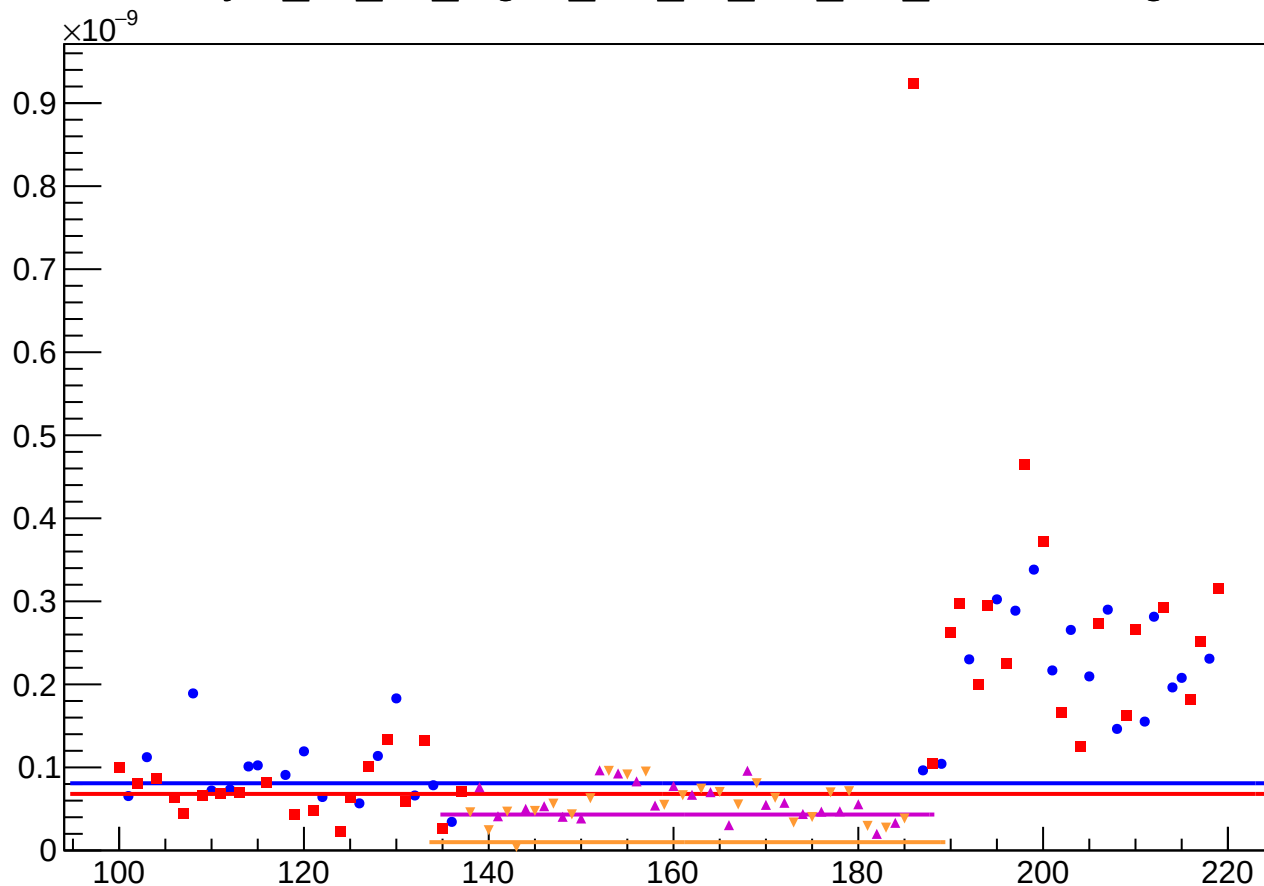
Left In: -0.000 ± 0.000 χ^2/NDF : 26.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 41.4/56

All: -0.000 ± 0.000 χ^2/NDF : 111.9/116

- sign -0.000 ± 0.000 χ^2/NDF : 67.0/59

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8729010.1/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 18523402.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 10717463.9/36

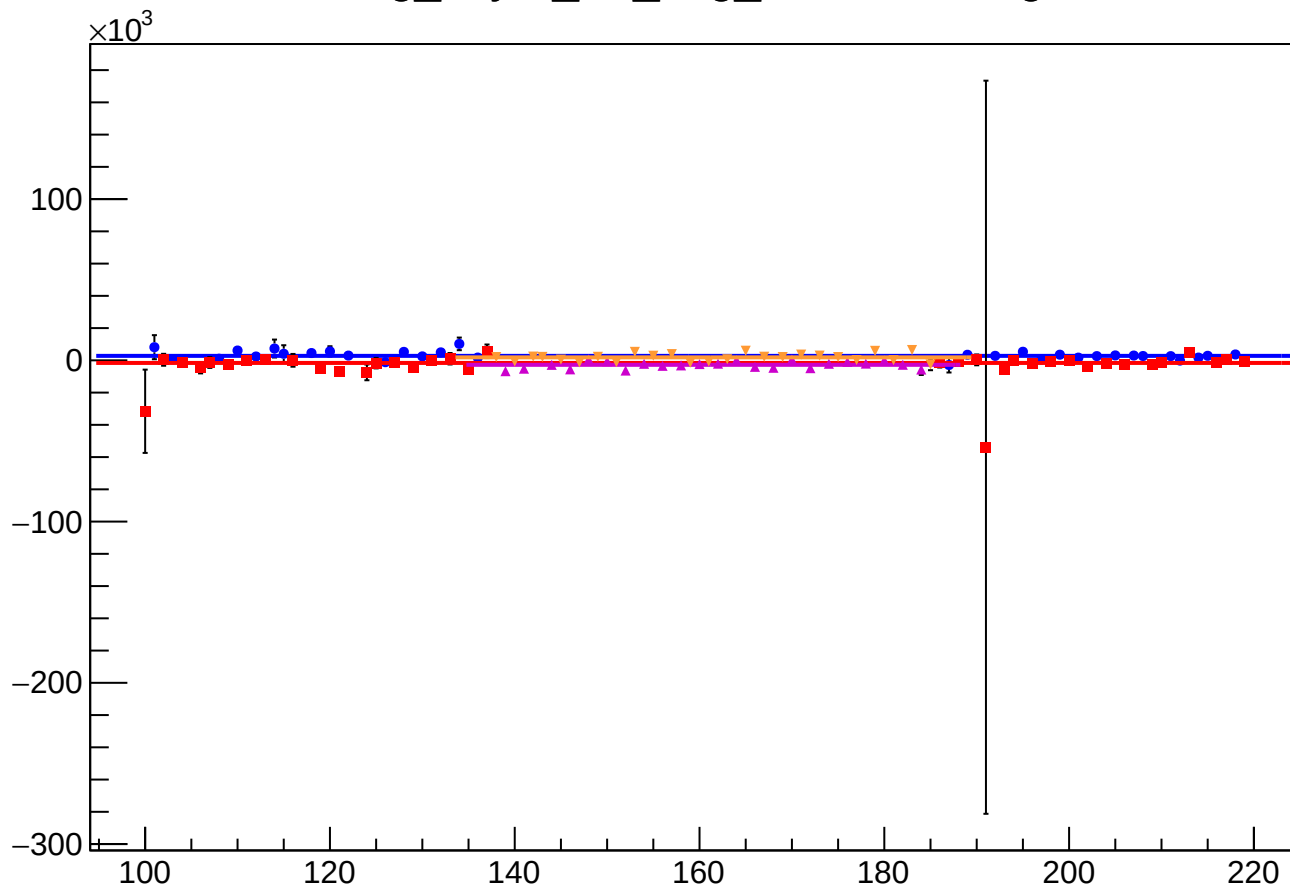
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 4049081.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 38667934.4/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 71060187.9/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 16260342.9/59

reg_asym_atr_avg_mean vs Slug



Right In: 2780.193 $\pm$ 438.434 χ^2 /NDF: 18.7/31

Left Out: 1851.999 $\pm$ 420.006 χ^2 /NDF: 31.5/24

Right Out: -1605.136 $\pm$ 427.266 χ^2 /NDF: 34.2/36

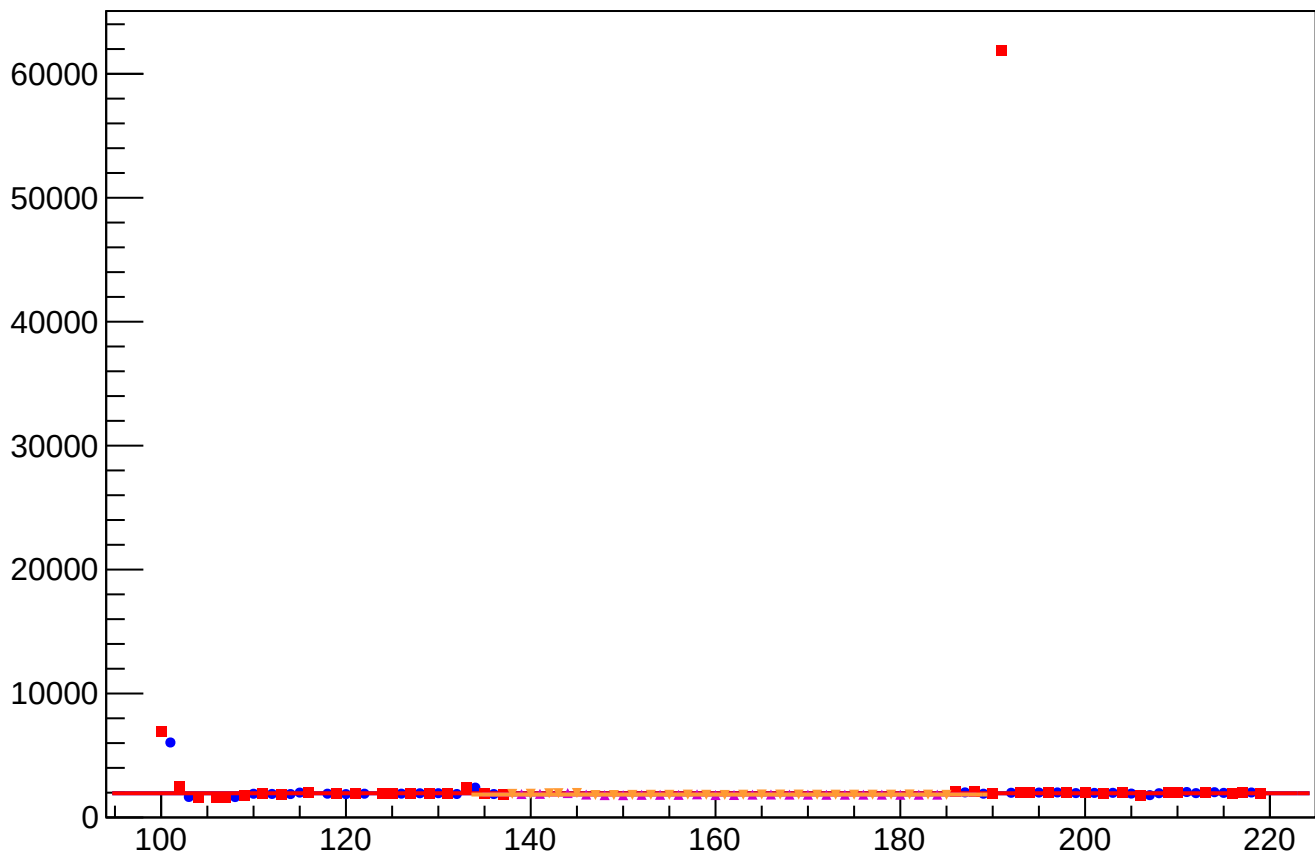
Left In: -2775.769 $\pm$ 430.870 χ^2 /NDF: 25.4/22

+ sign 2296.180 $\pm$ 303.295 χ^2 /NDF: 52.5/56

All: 56.018 $\pm$ 214.495 χ^2 /NDF: 225.0/116

- sign -2185.537 $\pm$ 303.389 χ^2 /NDF: 63.3/59

reg_asym_atr_avg_rms vs Slug



Right In: 1953.046 $\pm$ 0.310 χ^2 /NDF: 728706.6/31

Left Out: 1848.522 $\pm$ 0.297 χ^2 /NDF: 20886.6/24

Right Out: 1952.352 $\pm$ 0.302 χ^2 /NDF: 427422.9/36

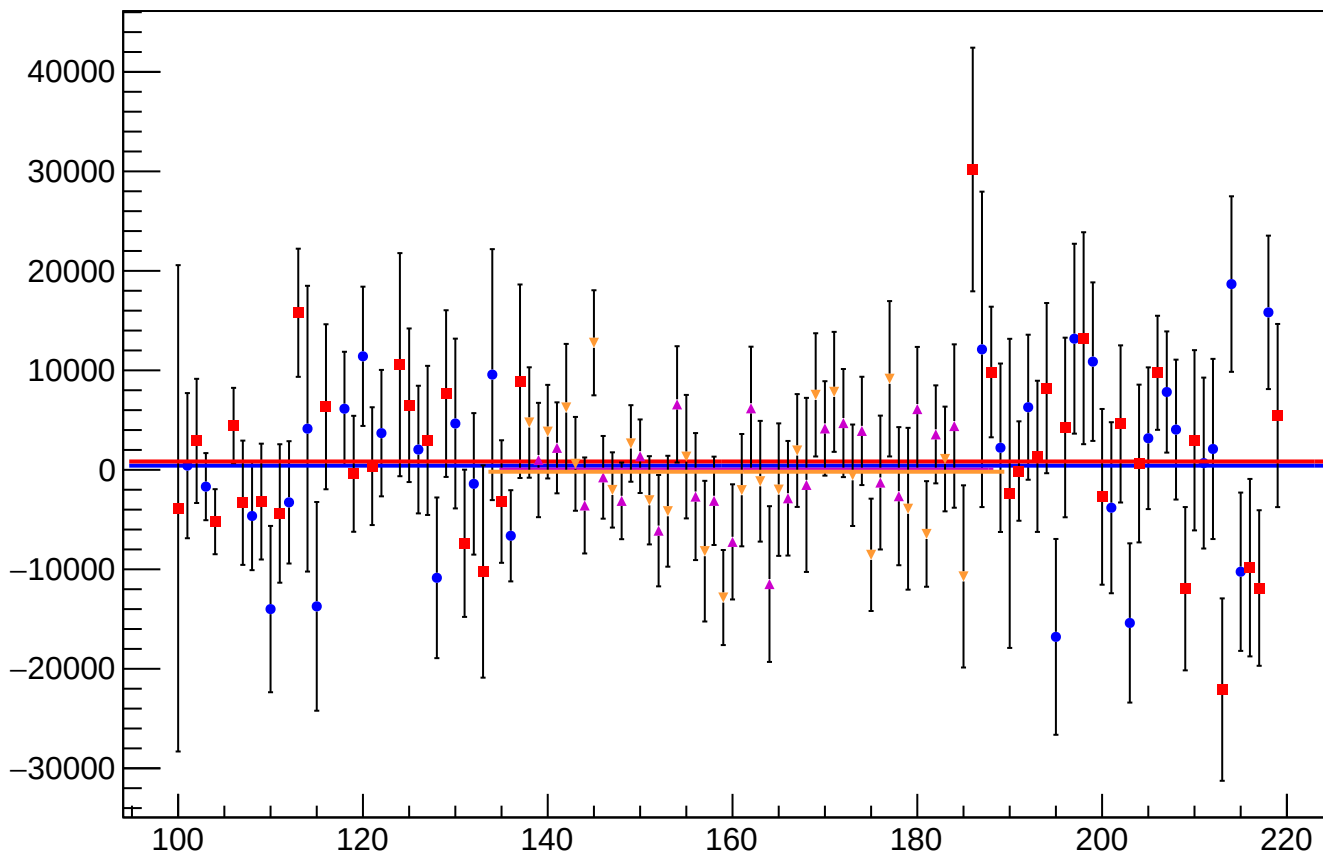
Left In: 1845.061 $\pm$ 0.305 χ^2 /NDF: 14026.0/22

+ sign 1898.541 $\pm$ 0.214 χ^2 /NDF: 808868.7/56

All: 1898.883 $\pm$ 0.152 χ^2 /NDF: 1312927.8/11

- sign 1899.224 $\pm$ 0.214 χ^2 /NDF: 504054.1/59

asym_atr_avg_reg_correction_mean vs Slug



Right In: 421.700 ± 1251.107 $\chi^2/\text{NDF}: 39.4/31$

Left Out: -189.458 ± 1088.618 $\chi^2/\text{NDF}: 28.9/24$

Right Out: 840.431 ± 1143.383 $\chi^2/\text{NDF}: 43.1/36$

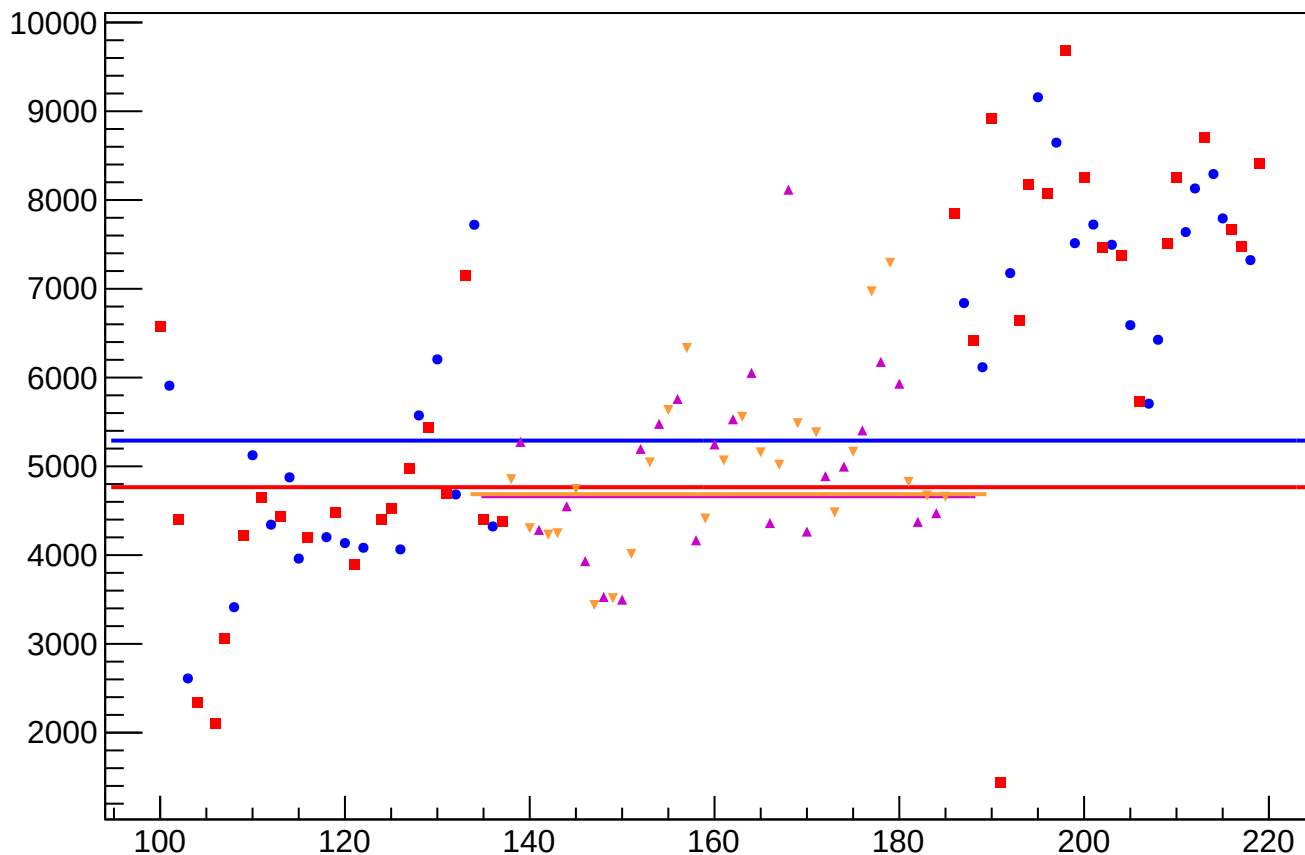
Left In: 19.391 ± 1112.574 $\chi^2/\text{NDF}: 13.7/22$

+ sign 73.881 ± 821.250 $\chi^2/\text{NDF}: 68.4/56$

All: 251.375 ± 572.085 $\chi^2/\text{NDF}: 125.7/116$

- sign 418.700 ± 797.378 $\chi^2/\text{NDF}: 57.1/59$

asym_atr_avg_reg_correction_rms vs Slug



Right In: 5289.934+/-0.885 χ^2/NDF : 4310641.3/31

Left Out: 4686.353+/-0.770 χ^2/NDF : 1185063.7/24

Right Out: 4765.174+/-0.808 χ^2/NDF : 7360750.1/36

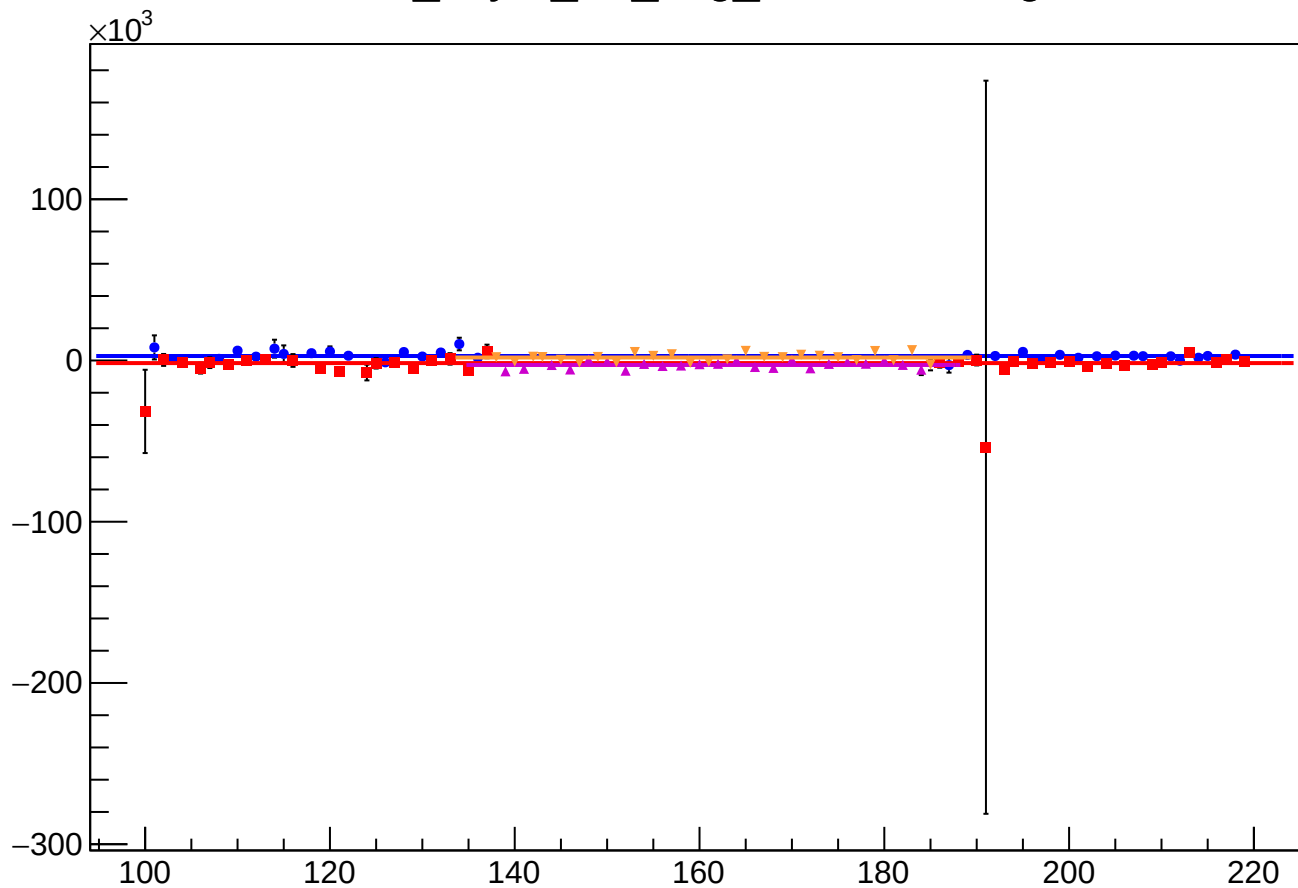
Left In: 4663.272+/-0.787 χ^2/NDF : 1286726.4/22

+ sign 4946.428+/-0.581 χ^2/NDF : 5760622.8/56

All: 4826.185+/-0.405 χ^2/NDF : 14499550.8/1

- sign 4712.832+/-0.564 χ^2/NDF : 8655636.4/59

cor_asym_atr_avg_mean vs Slug



Right In: 2779.940 ± 438.434 $\chi^2/\text{NDF}: 18.7/31$

Left Out: 1851.888 ± 420.006 $\chi^2/\text{NDF}: 31.5/24$

Right Out: -1605.573 ± 427.267 $\chi^2/\text{NDF}: 34.2/36$

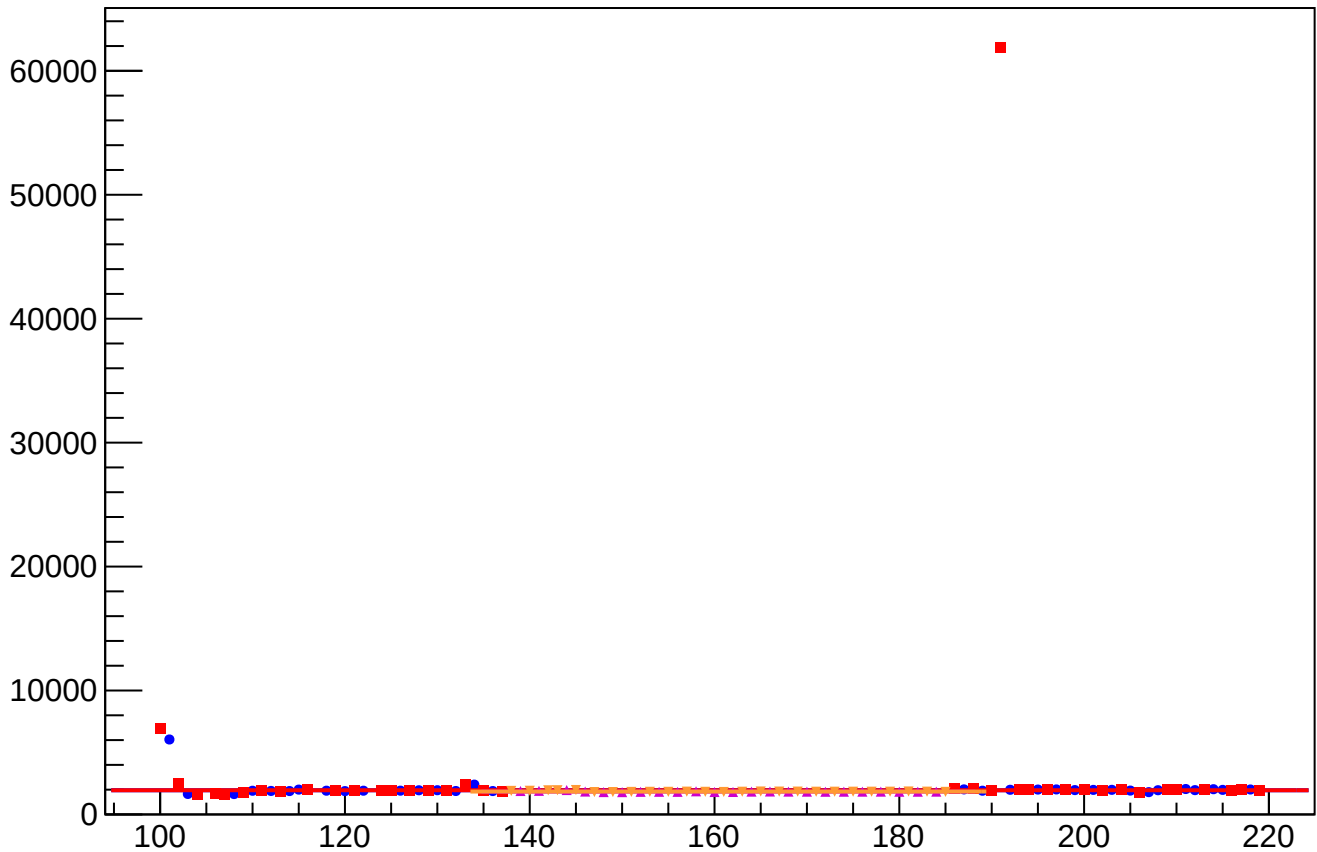
Left In: -2775.745 ± 430.870 $\chi^2/\text{NDF}: 25.4/22$

+ sign 2296.001 ± 303.295 $\chi^2/\text{NDF}: 52.5/56$

All: 55.826 ± 214.495 $\chi^2/\text{NDF}: 225.0/116$

- sign -2185.747 ± 303.389 $\chi^2/\text{NDF}: 63.3/59$

cor_asym_atr_avg_rms vs Slug



Right In: 1953.046 $\pm$ 0.310 χ^2 /NDF: 728705.6/31

Left Out: 1848.522 $\pm$ 0.297 χ^2 /NDF: 20886.6/24

Right Out: 1953.879 $\pm$ 0.302 χ^2 /NDF: 418981.2/36

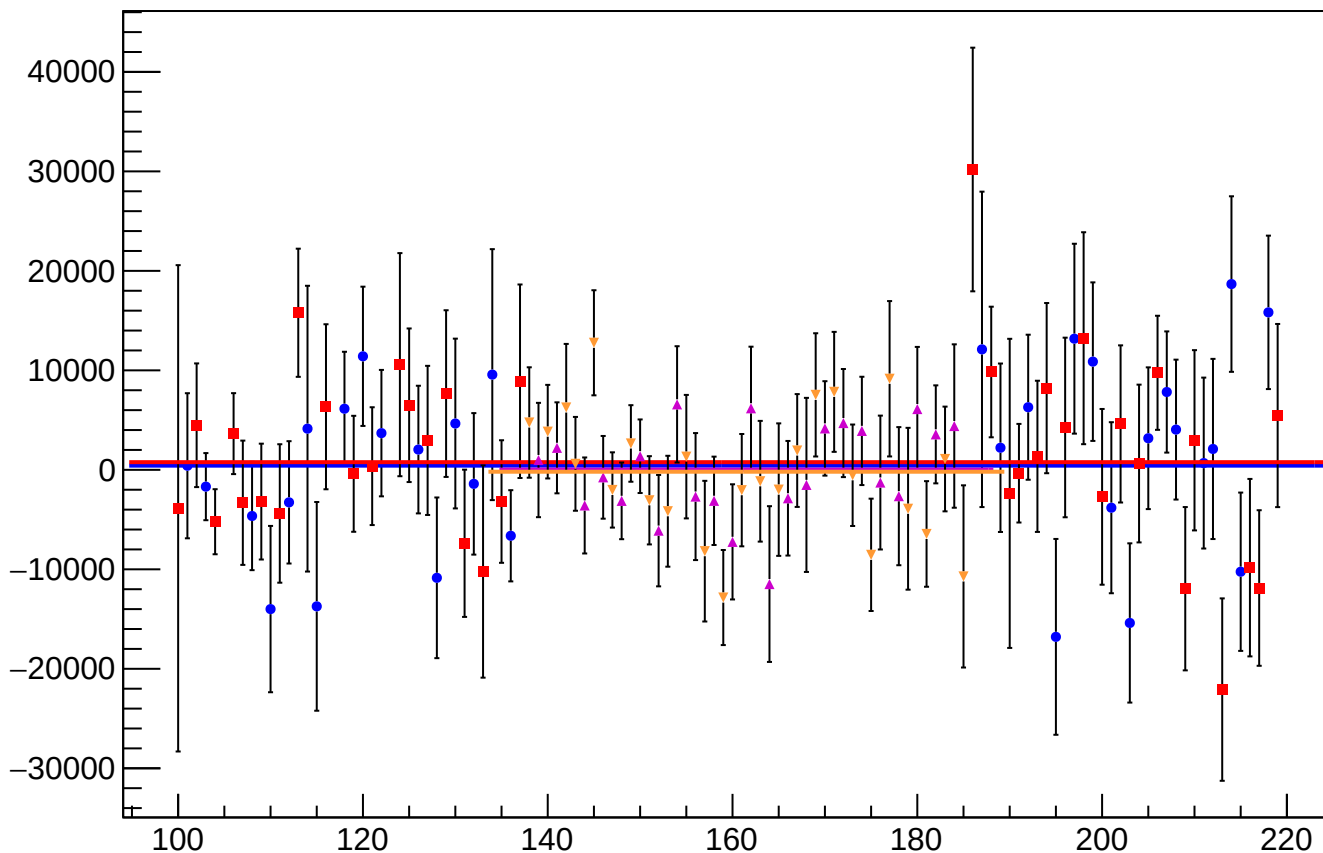
Left In: 1845.061 $\pm$ 0.305 χ^2 /NDF: 14026.0/22

+ sign 1898.541 $\pm$ 0.214 χ^2 /NDF: 808867.9/56

All: 1899.250 $\pm$ 0.152 χ^2 /NDF: 1306252.9/11

- sign 1899.958 $\pm$ 0.214 χ^2 /NDF: 497363.1/59

asym_atr_avg_cor_correction_mean vs Slug



Right In: 421.513 ± 1251.108 χ^2/NDF : 39.4/31

Left Out: -189.487 ± 1088.617 χ^2/NDF : 28.9/24

Right Out: 770.960 ± 1149.917 χ^2/NDF : 42.9/36

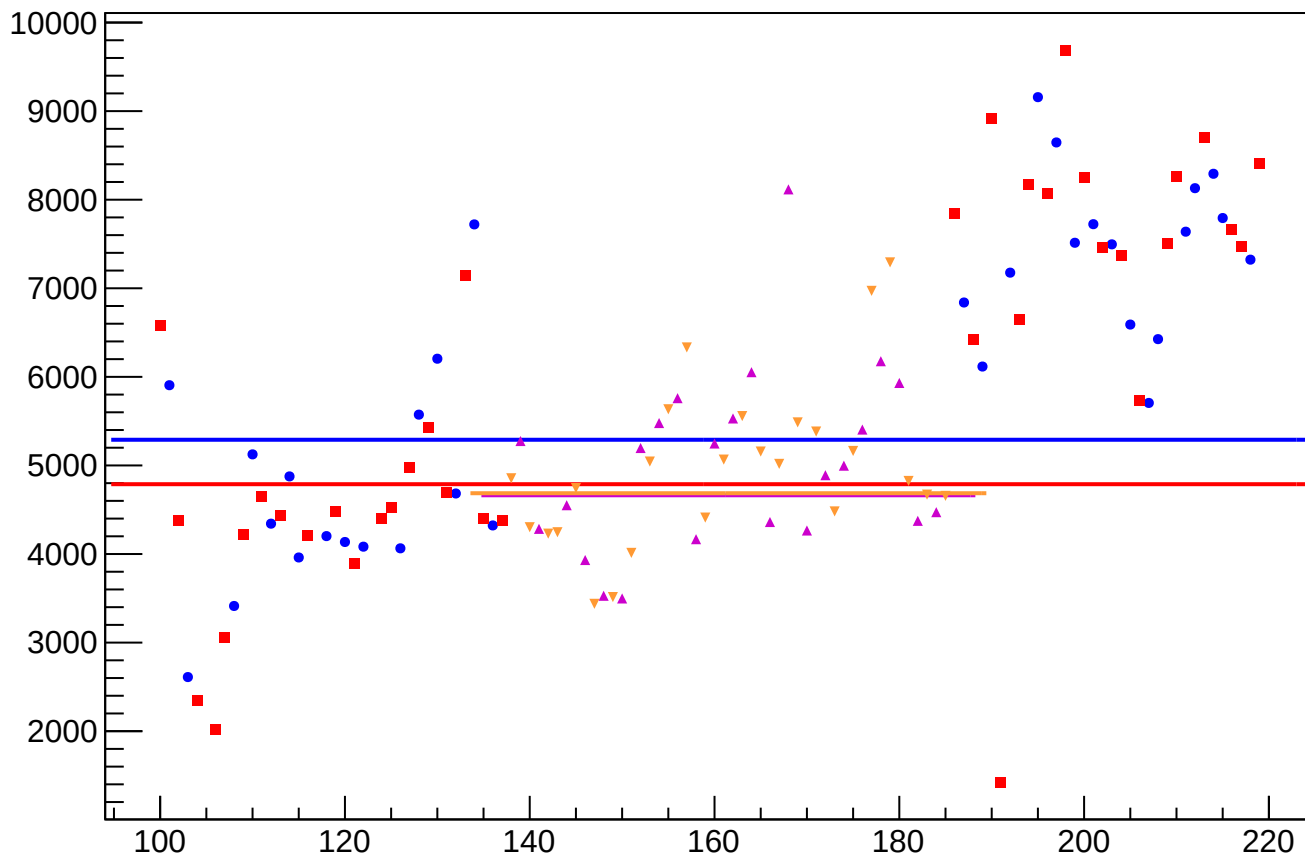
Left In: 19.431 ± 1112.574 χ^2/NDF : 13.7/22

+ sign 73.783 ± 821.250 χ^2/NDF : 68.4/56

All: 232.419 ± 572.898 χ^2/NDF : 125.4/116

- sign 382.795 ± 799.584 χ^2/NDF : 56.9/59

asym_atr_avg_cor_correction_rms vs Slug



Right In: 5289.994+/-0.885 χ^2/NDF : 4309961.5/31

Left Out: 4686.346+/-0.770 χ^2/NDF : 1185089.0/24

Right Out: 4788.277+/-0.813 χ^2/NDF : 7297255.4/36

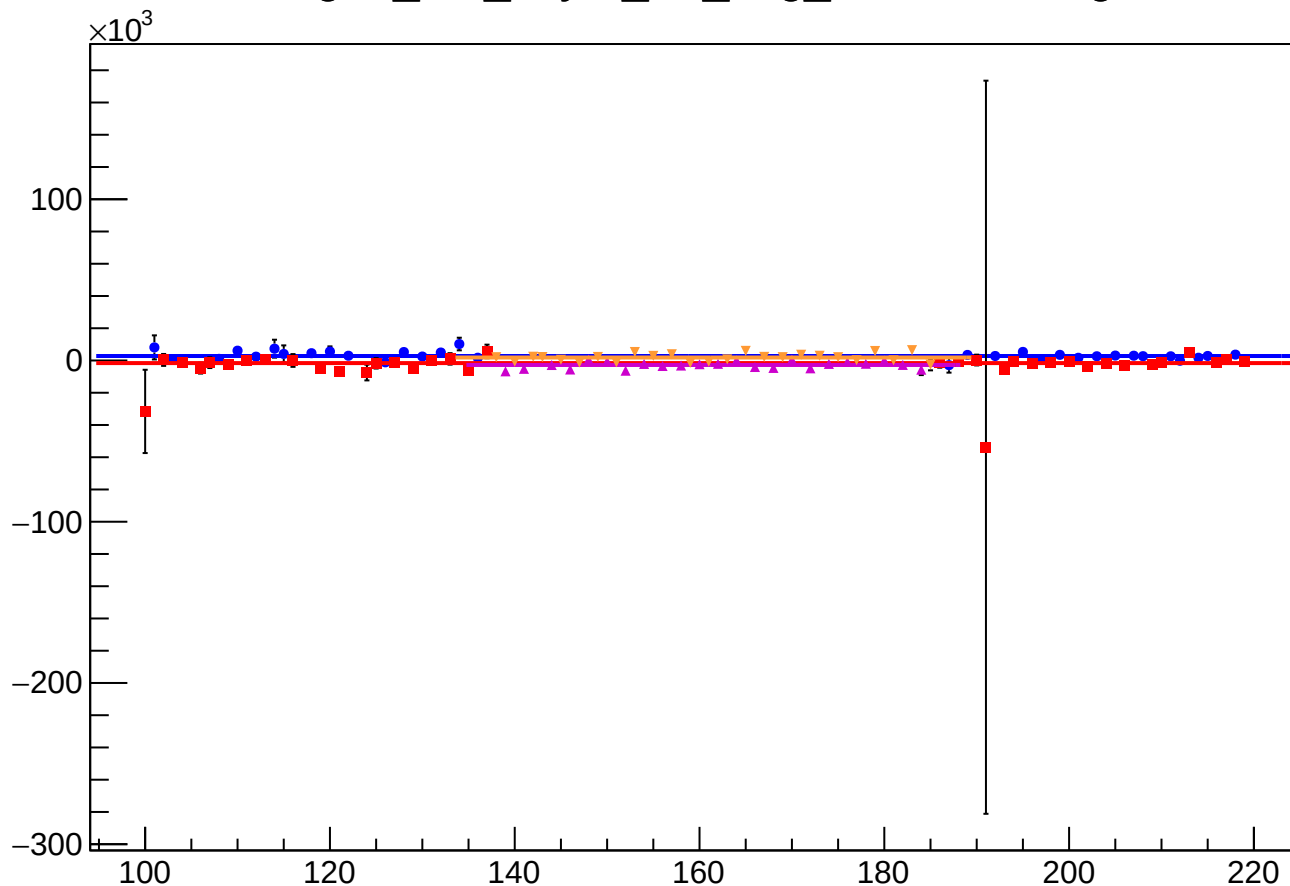
Left In: 4663.273+/-0.787 χ^2/NDF : 1286722.8/22

+ sign 4946.448+/-0.581 χ^2/NDF : 5760027.3/56

All: 4832.104+/-0.405 χ^2/NDF : 14431736.6/100

- sign 4723.713+/-0.565 χ^2/NDF : 8596185.3/59

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 2779.940 $\pm$ 438.434 χ^2 /NDF: 18.7/31

Left Out: 1851.888 $\pm$ 420.006 χ^2 /NDF:31.5/24

Right Out: -1605.573 $\pm$ 427.267 χ^2 /NDF: 34.2/36

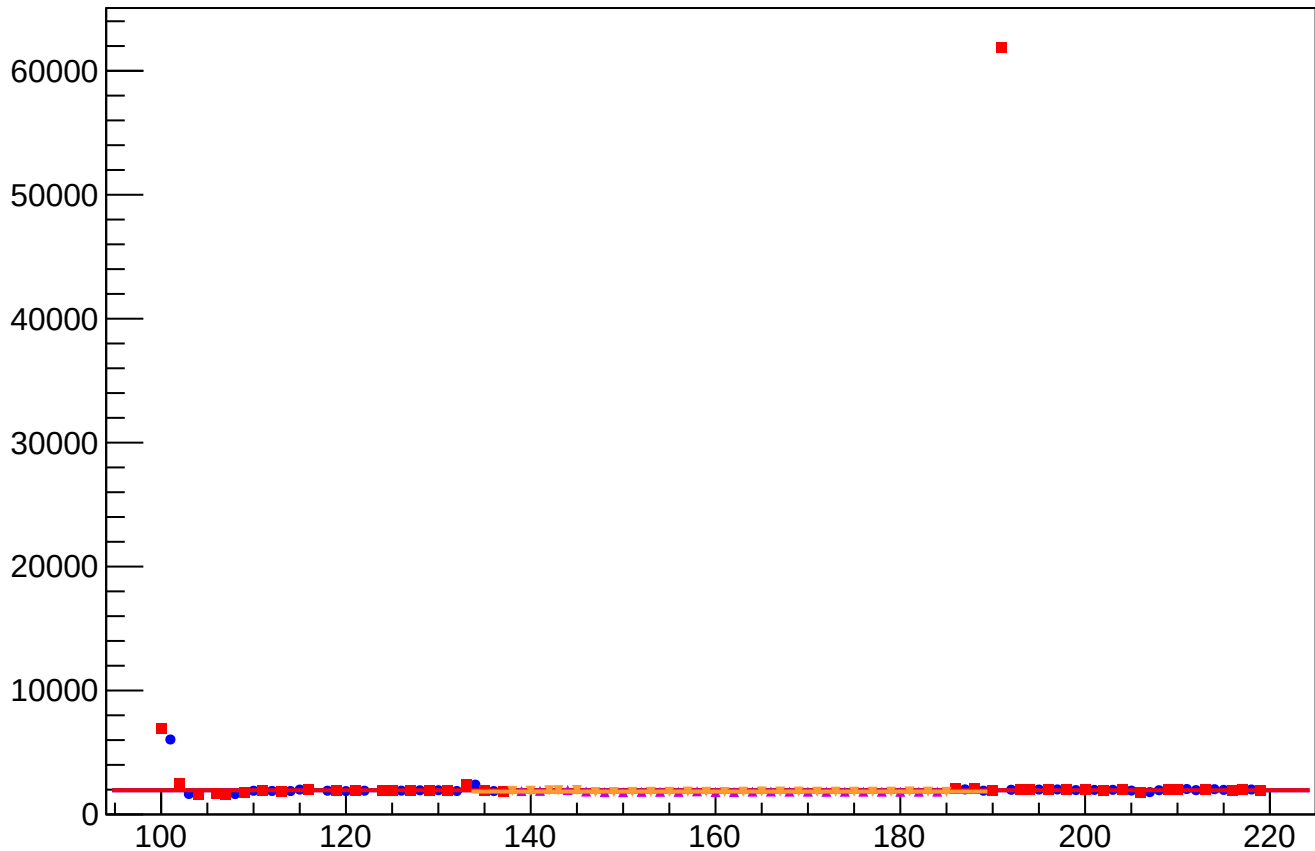
Left In: -2775.745 $\pm$ 430.870 χ^2 /NDF:25.4/22

+ sign 2296.001 $\pm$ 303.295 χ^2 /NDF: 52.5/56

All: 55.826 $\pm$ 214.495 χ^2 /NDF: 225.0/116

- sign -2185.747 $\pm$ 303.389 χ^2 /NDF: 63.3/59

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1953.046 $\pm$ 0.310 χ^2 /NDF: 728705.6/31

Left Out: 1848.522 $\pm$ 0.297 χ^2 /NDF: 20886.6/24

Right Out: 1953.879 $\pm$ 0.302 χ^2 /NDF: 418981.2/36

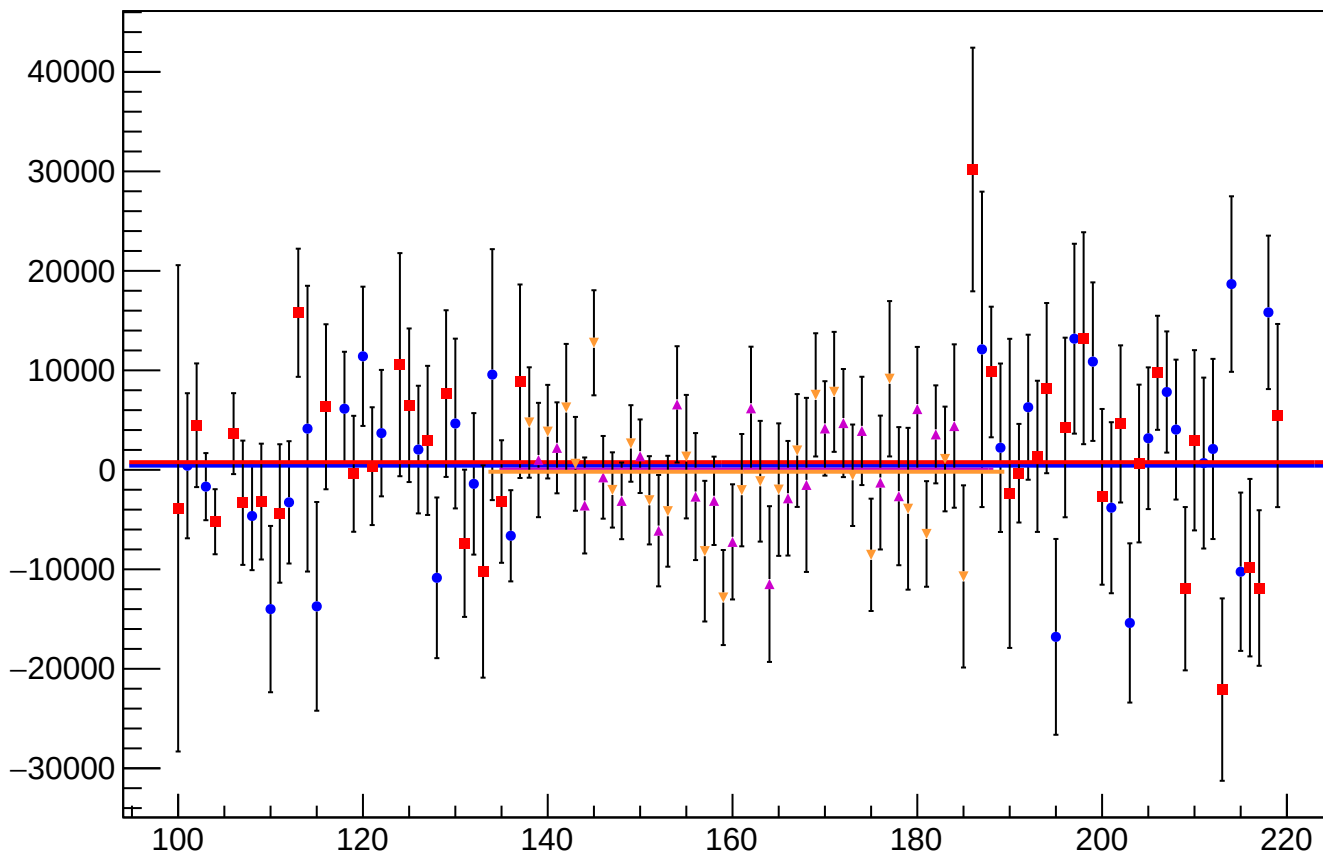
Left In: 1845.061 $\pm$ 0.305 χ^2 /NDF: 14026.0/22

+ sign 1898.541 $\pm$ 0.214 χ^2 /NDF: 808867.9/56

All: 1899.250 $\pm$ 0.152 χ^2 /NDF: 1306252.9/11

- sign 1899.958 $\pm$ 0.214 χ^2 /NDF: 497363.1/59

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: 421.513 ± 1251.108 χ^2/NDF : 39.4/31

Left Out: -189.487 ± 1088.617 χ^2/NDF : 28.9/24

Right Out: 770.960 ± 1149.917 χ^2/NDF : 42.9/36

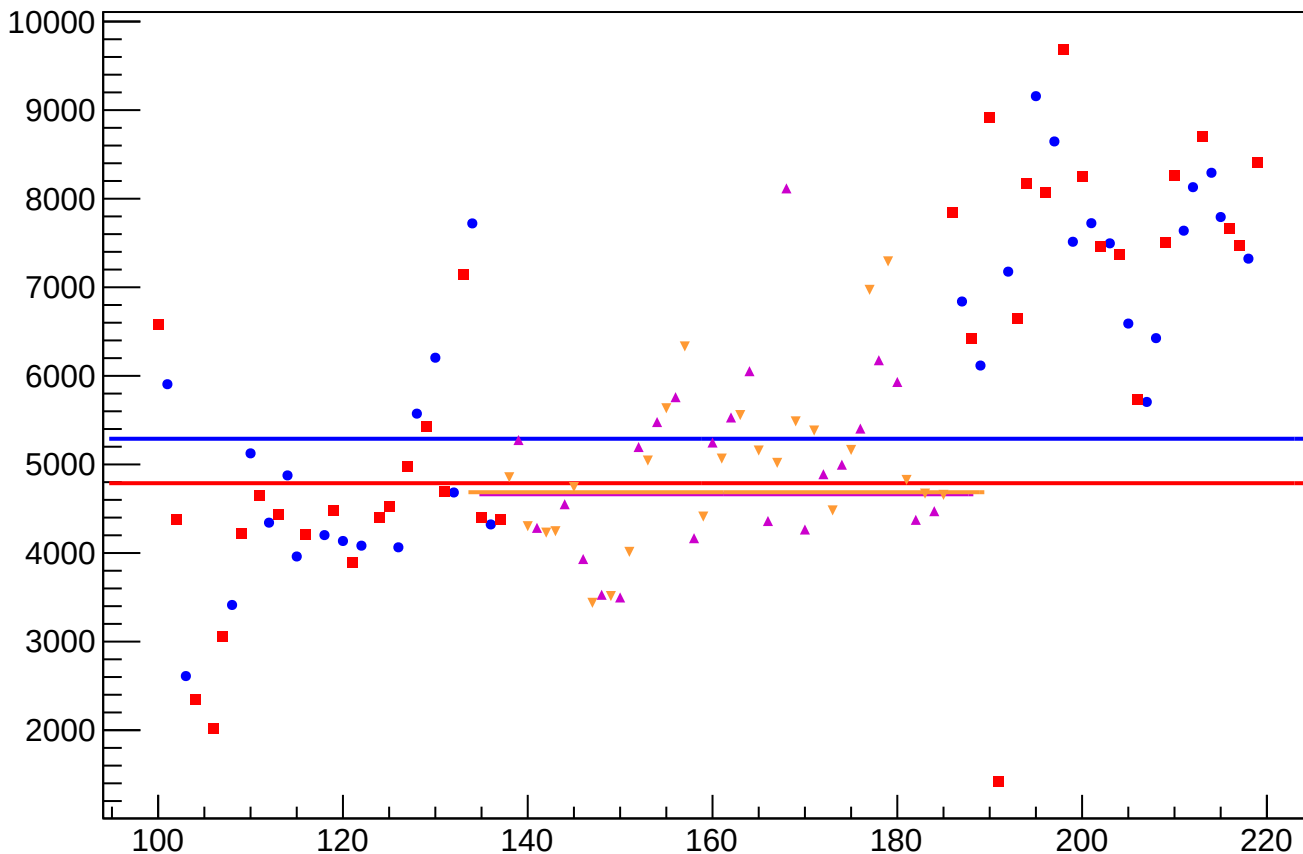
Left In: 19.431 ± 1112.574 χ^2/NDF : 13.7/22

+ sign 73.783 ± 821.250 χ^2/NDF : 68.4/56

All: 232.419 ± 572.898 χ^2/NDF : 125.4/116

- sign 382.795 ± 799.584 χ^2/NDF : 56.9/59

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 5289.994+/-0.885 χ^2/NDF : 4309961.5/31

Left Out: 4686.346+/-0.770 χ^2/NDF : 1185089.0/24

Right Out: 4788.277+/-0.813 χ^2/NDF : 7297255.4/36

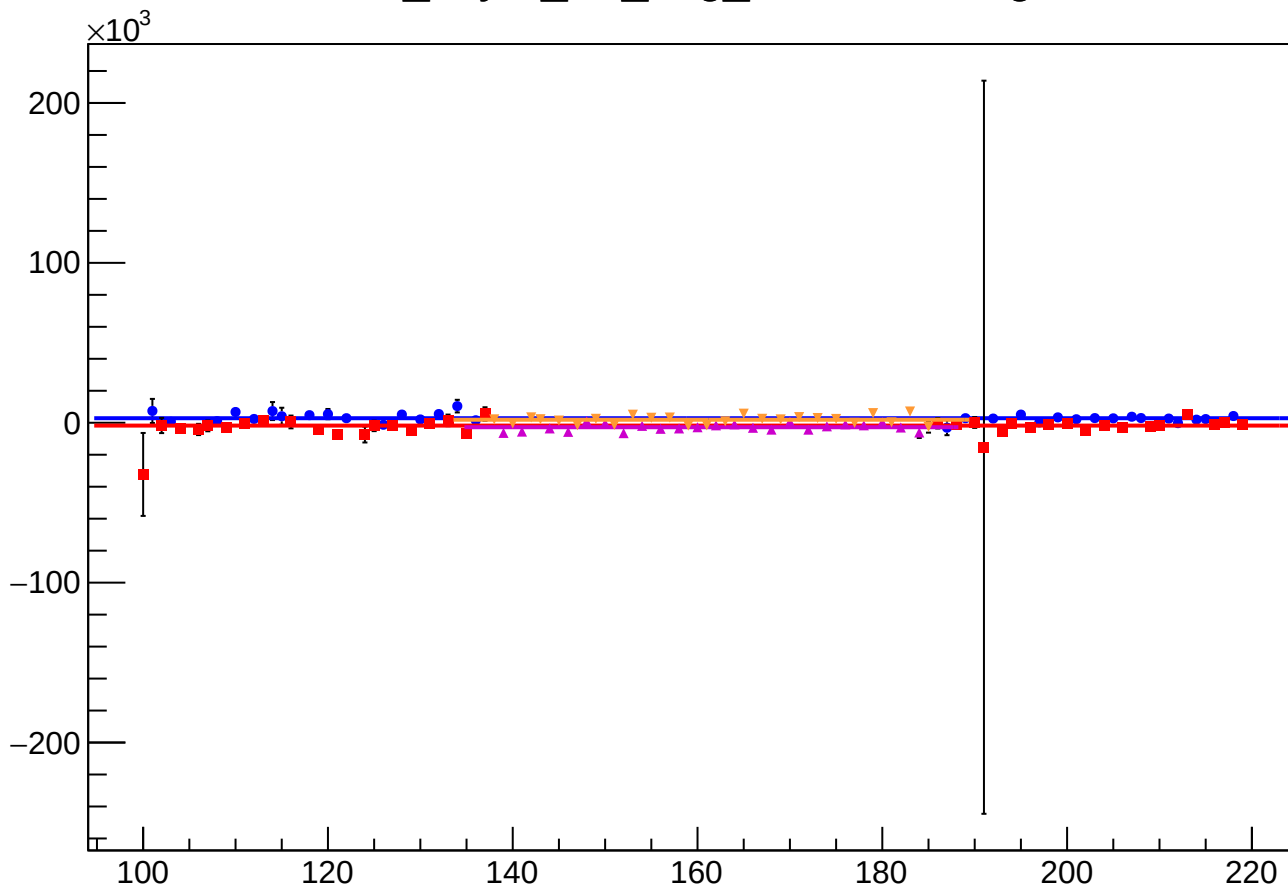
Left In: 4663.273+/-0.787 χ^2/NDF : 1286722.8/22

+ sign 4946.448+/-0.581 χ^2/NDF : 5760027.3/56

All: 4832.104+/-0.405 χ^2/NDF : 14431736.6/1

- sign 4723.713+/-0.565 χ^2/NDF : 8596185.3/59

dit_asym_atr_avg_mean vs Slug



Right In: 2834.624 $\pm$ 446.232 χ^2 /NDF: 19.4/31

Left Out: 1880.927 $\pm$ 428.980 χ^2 /NDF: 32.9/24

Right Out: -1775.530 $\pm$ 435.643 χ^2 /NDF: 35.7/36

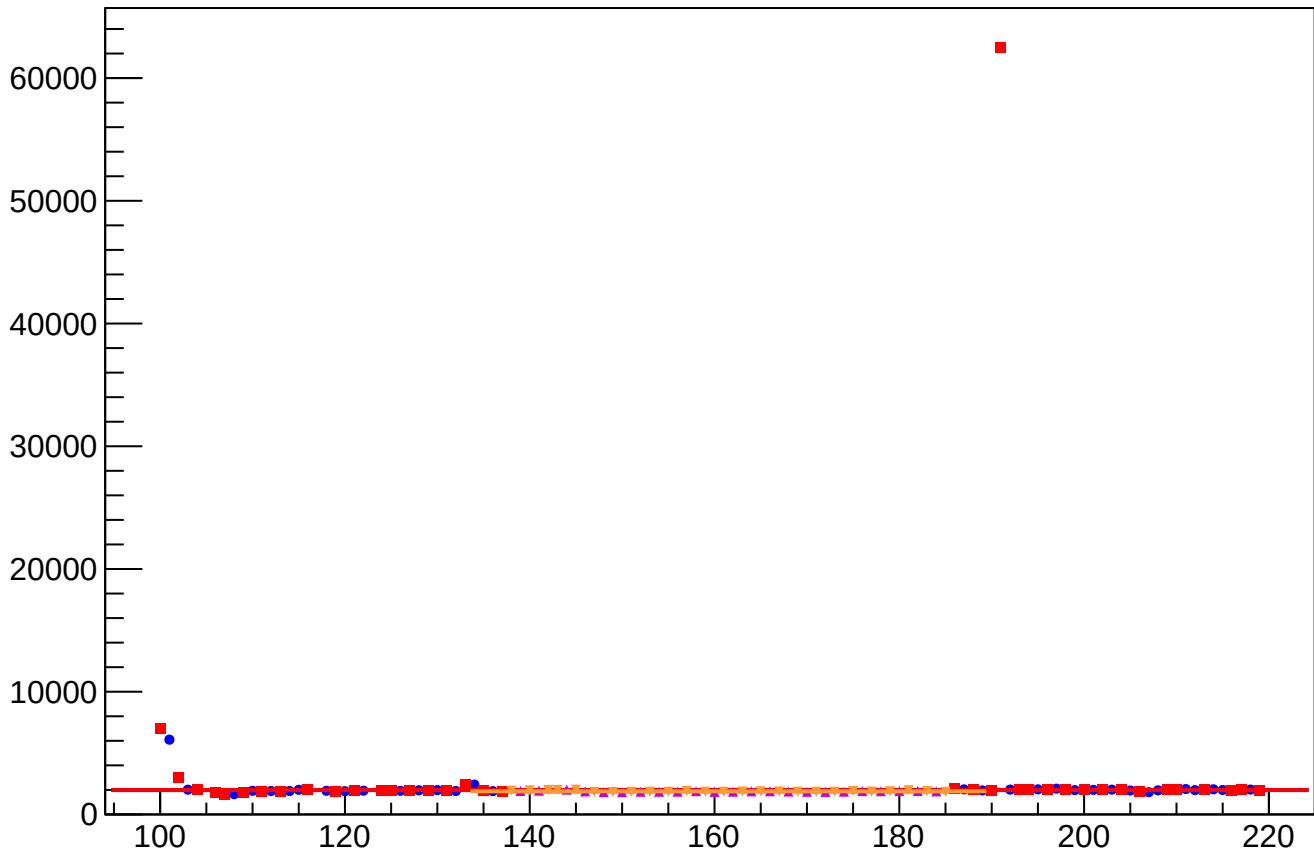
Left In: -2798.435 $\pm$ 439.234 χ^2 /NDF: 25.4/22

+ sign 2338.984 $\pm$ 309.254 χ^2 /NDF: 54.8/56

All: 28.502 $\pm$ 218.695 χ^2 /NDF: 230.3/116

- sign -2282.783 $\pm$ 309.308 χ^2 /NDF: 63.9/59

dit_asym_atr_avg_rms vs Slug



Right In: 1988.379+/-0.316 χ^2/NDF : 695774.3/31

Left Out: 1887.545+/-0.303 χ^2/NDF : 31955.7/24

Right Out: 1989.061+/-0.308 χ^2/NDF : 437218.2/36

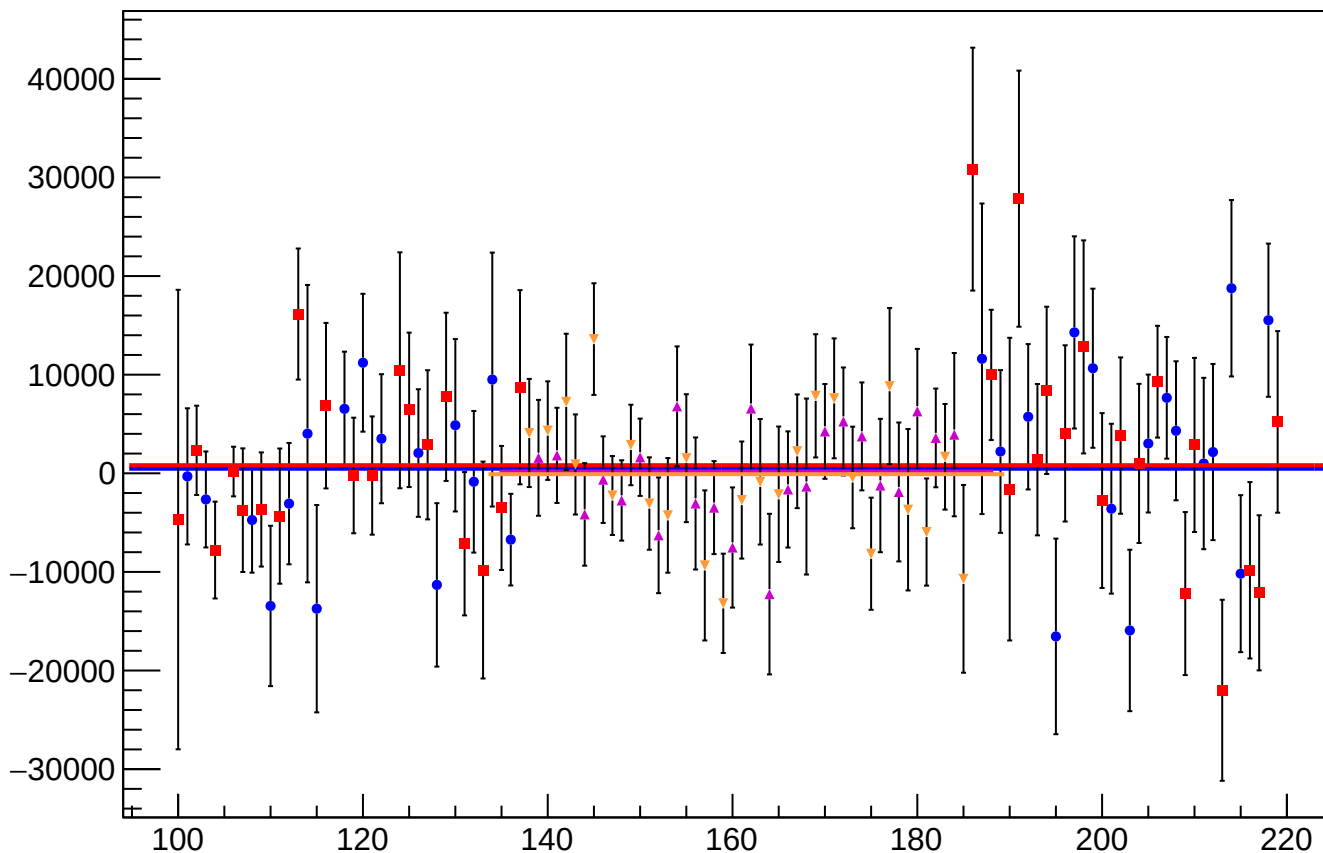
Left In: 1880.575+/-0.311 χ^2/NDF : 19037.6/22

+ sign 1935.975+/-0.219 χ^2/NDF : 780803.7/56

All: 1935.628+/-0.155 χ^2/NDF : 1298587.8/11

- sign 1935.280+/-0.219 χ^2/NDF : 517779.0/59

asym_atr_avg_dit_correction_mean vs Slug



Right In: 462.919 ± 1302.736 $\chi^2/\text{NDF}: 38.9/31$

Left Out: -91.889 ± 1133.233 $\chi^2/\text{NDF}: 28.1/24$

Right Out: 821.937 ± 1129.113 $\chi^2/\text{NDF}: 46.1/36$

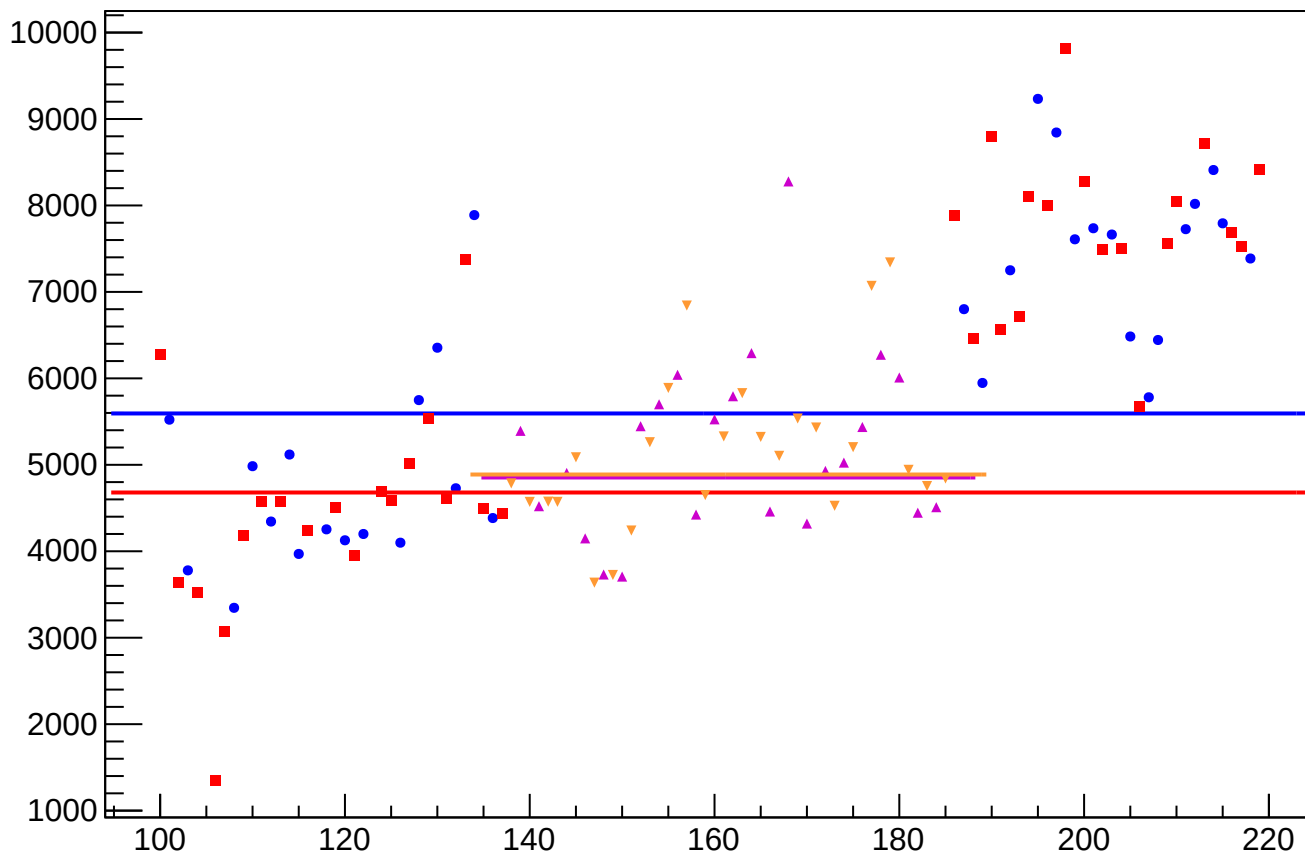
Left In: 177.137 ± 1156.061 $\chi^2/\text{NDF}: 13.5/22$

+ sign 147.095 ± 855.008 $\chi^2/\text{NDF}: 67.1/56$

All: 337.339 ± 587.166 $\chi^2/\text{NDF}: 126.9/116$

- sign 507.140 ± 807.762 $\chi^2/\text{NDF}: 59.8/59$

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5594.012 $\pm$ 0.921 χ^2 /NDF: 3186368.7/31

Left Out: 4887.823 $\pm$ 0.801 χ^2 /NDF:1063298.6/24

Right Out: 4679.746 $\pm$ 0.798 χ^2 /NDF: 8356573.1/36

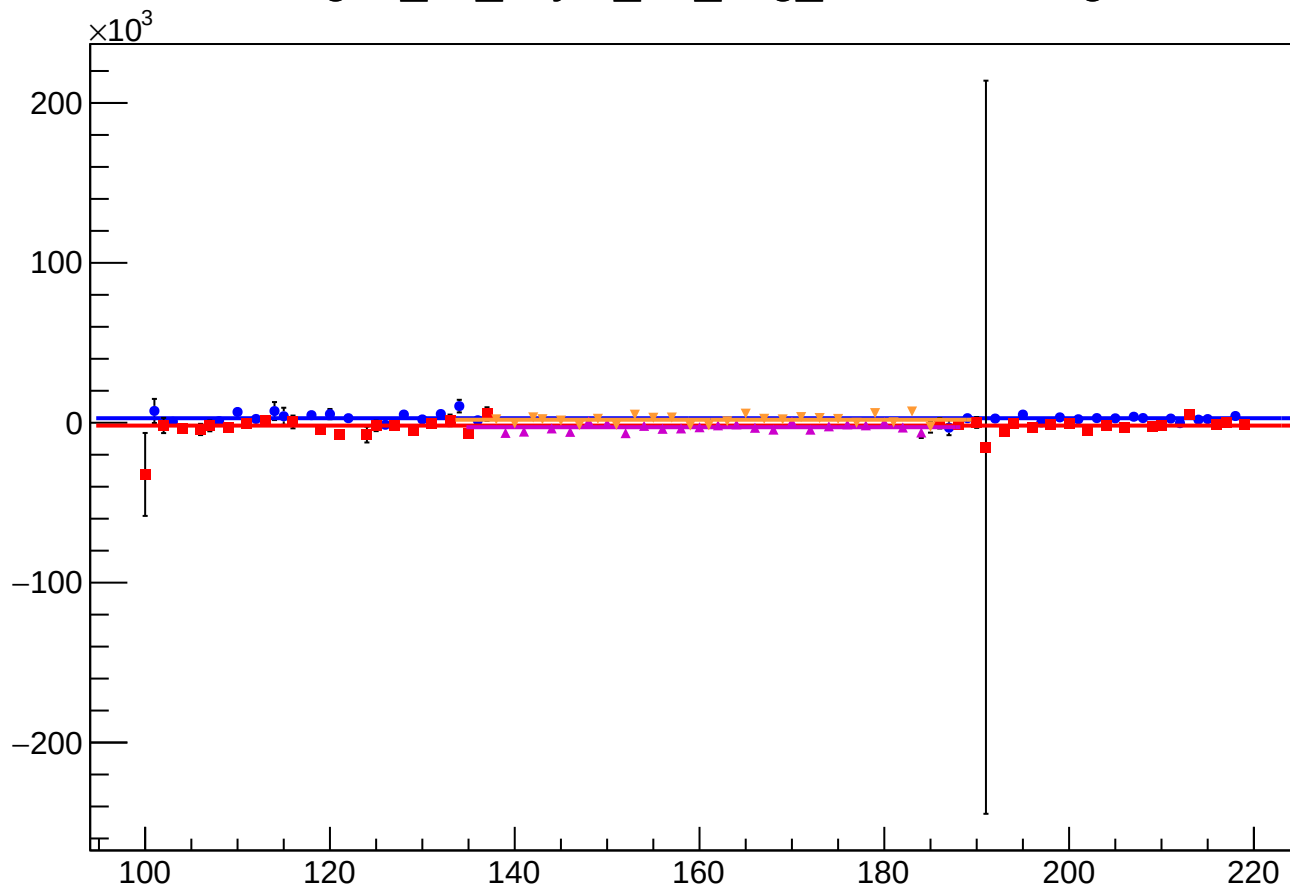
Left In: 4853.363 $\pm$ 0.817 χ^2 /NDF:1178636.9/22

+ sign 5192.015 $\pm$ 0.605 χ^2 /NDF: 4584217.5/56

All: 4966.124 $\pm$ 0.415 χ^2 /NDF: 14406713.5/100

- sign 4764.508 $\pm$ 0.571 χ^2 /NDF: 9558295.9/59

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 2834.620+/-446.232 χ^2/NDF : 19.4/31

Left Out: 1880.922+/-428.981 χ^2/NDF : 32.9/24

Right Out: -1775.531+/-435.643 χ^2/NDF : 35.7/36

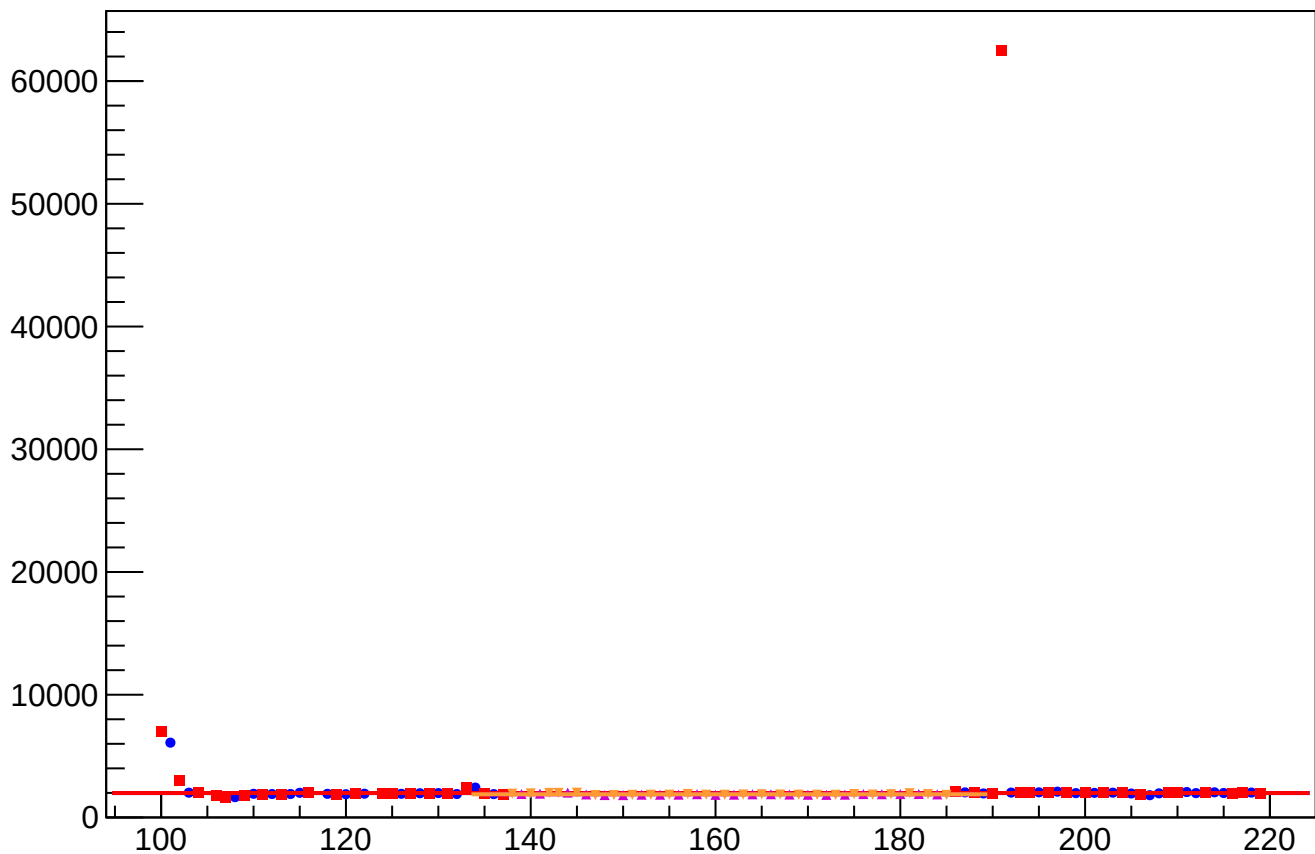
Left In: -2798.435+/-439.234 χ^2/NDF : 25.4/22

+ sign 2338.979+/-309.254 χ^2/NDF : 54.8/56

All: 28.499+/-218.695 χ^2/NDF : 230.3/116

- sign -2282.783+/-309.308 χ^2/NDF : 63.9/59

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1988.379+/-0.316 χ^2/NDF : 695774.5/31

Left Out: 1887.546+/-0.303 χ^2/NDF : 31955.8/24

Right Out: 1989.061+/-0.308 χ^2/NDF : 437217.7/36

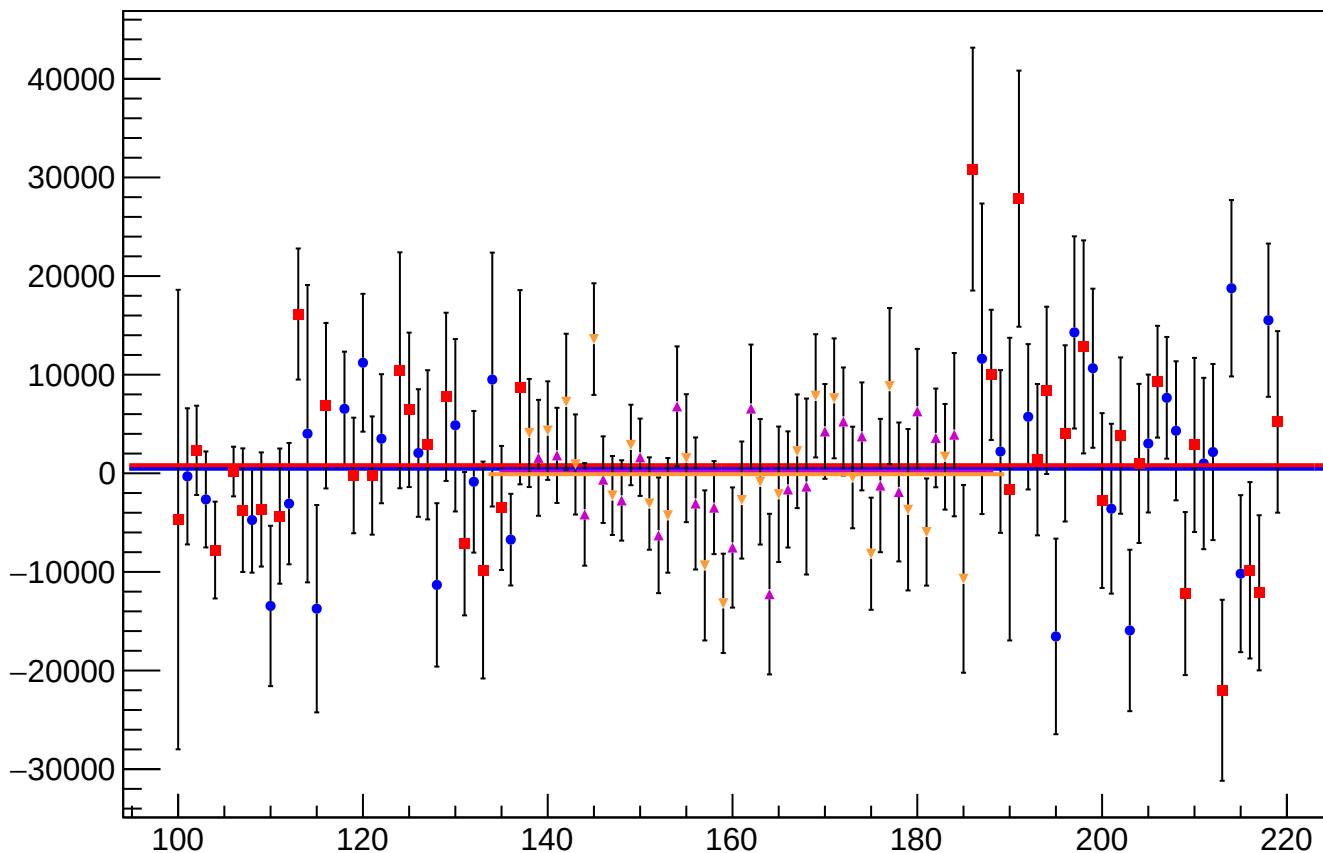
Left In: 1880.576+/-0.311 χ^2/NDF : 19037.6/22

+ sign 1935.976+/-0.219 χ^2/NDF : 780803.1/56

All: 1935.628+/-0.155 χ^2/NDF : 1298585.8/11

- sign 1935.280+/-0.219 χ^2/NDF : 517777.6/59

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: 462.925 $\pm$ 1302.736 χ^2 /NDF: 38.9/31

Left Out: -91.892 $\pm$ 1133.235 χ^2 /NDF: 28.1/24

Right Out: 821.936 $\pm$ 1129.112 χ^2 /NDF: 46.1/36

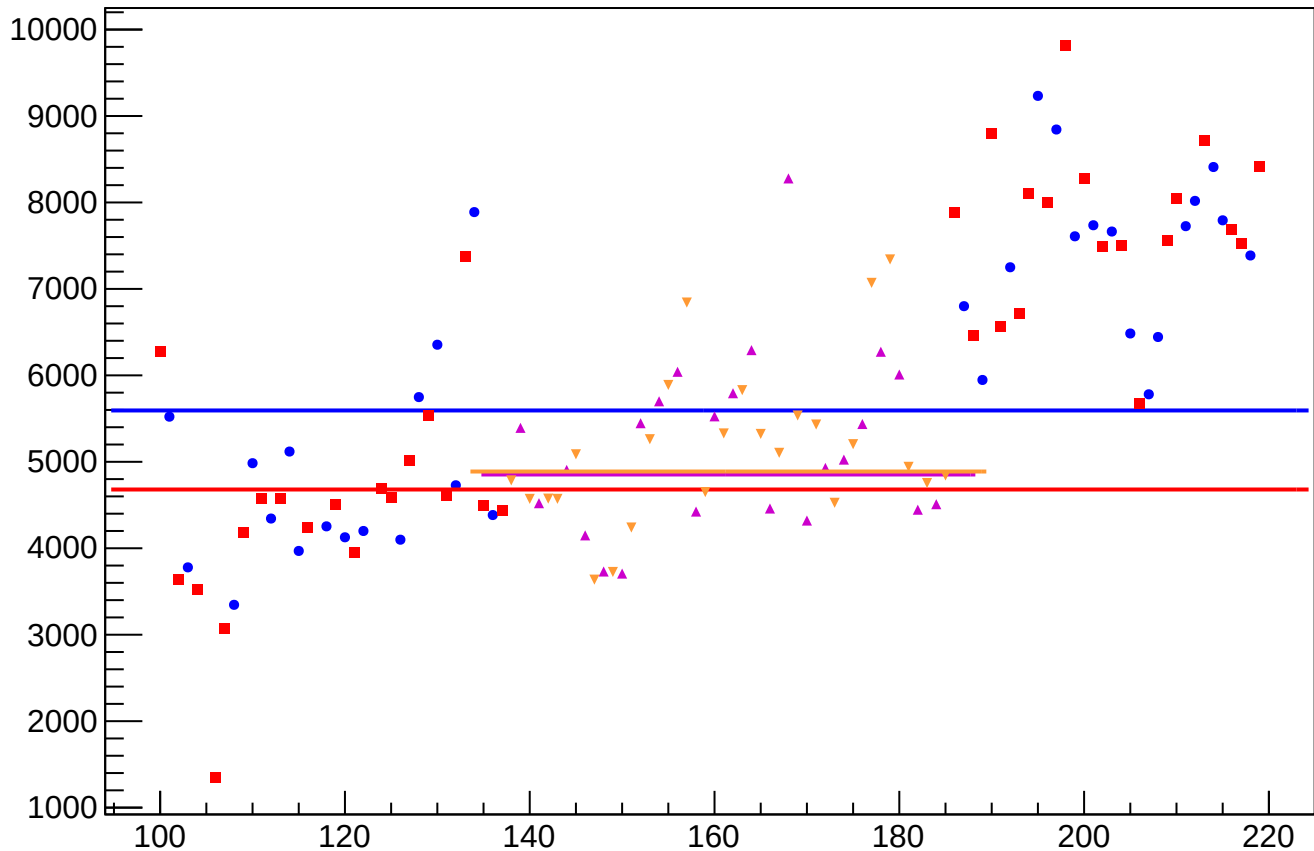
Left In: 177.140 $\pm$ 1156.062 χ^2 /NDF: 13.5/22

+ sign 147.097 $\pm$ 855.009 χ^2 /NDF: 67.1/56

All: 337.341 $\pm$ 587.167 χ^2 /NDF: 126.9/116

- sign 507.141 $\pm$ 807.763 χ^2 /NDF: 59.8/59

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5594.008 $\pm$ 0.921 χ^2 /NDF: 3186393.7/31

Left Out: 4887.830 $\pm$ 0.801 χ^2 /NDF:1063300.0/24

Right Out: 4679.737 $\pm$ 0.798 χ^2 /NDF: 8356623.4/36

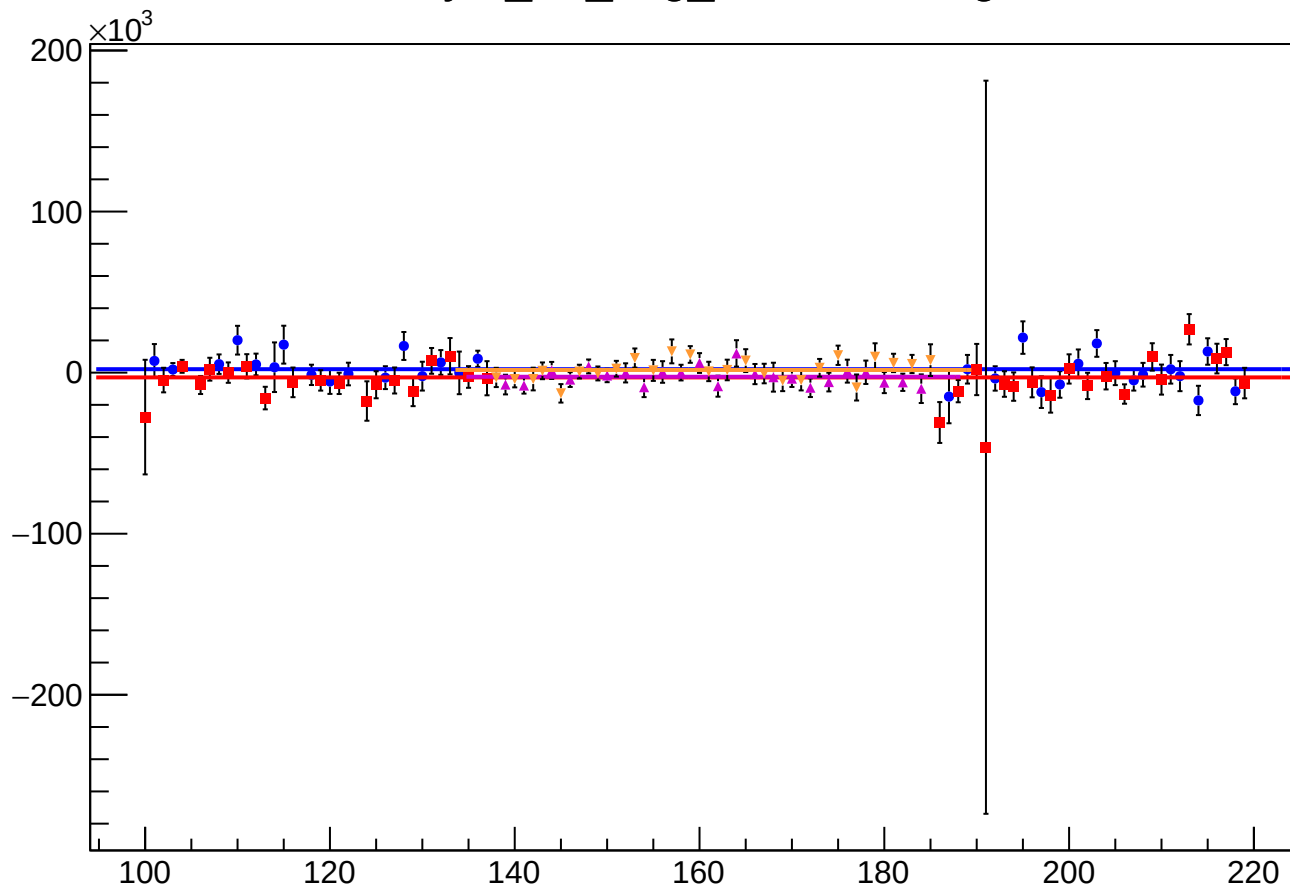
Left In: 4853.371 $\pm$ 0.817 χ^2 /NDF:1178639.4/22

+ sign 5192.019 $\pm$ 0.605 χ^2 /NDF: 4584232.1/56

All: 4966.125 $\pm$ 0.415 χ^2 /NDF: 14406790.4/1

- sign 4764.506 $\pm$ 0.571 χ^2 /NDF: 9558353.0/59

asym_atr_avg_mean vs Slug



Right In: 2141.962+/-1362.466 χ^2/NDF : 37.2/31

Left Out: 1654.615+/-1178.652 χ^2/NDF : 26.0/24

Right Out: -2958.076+/-1310.830 χ^2/NDF : 45.3/36

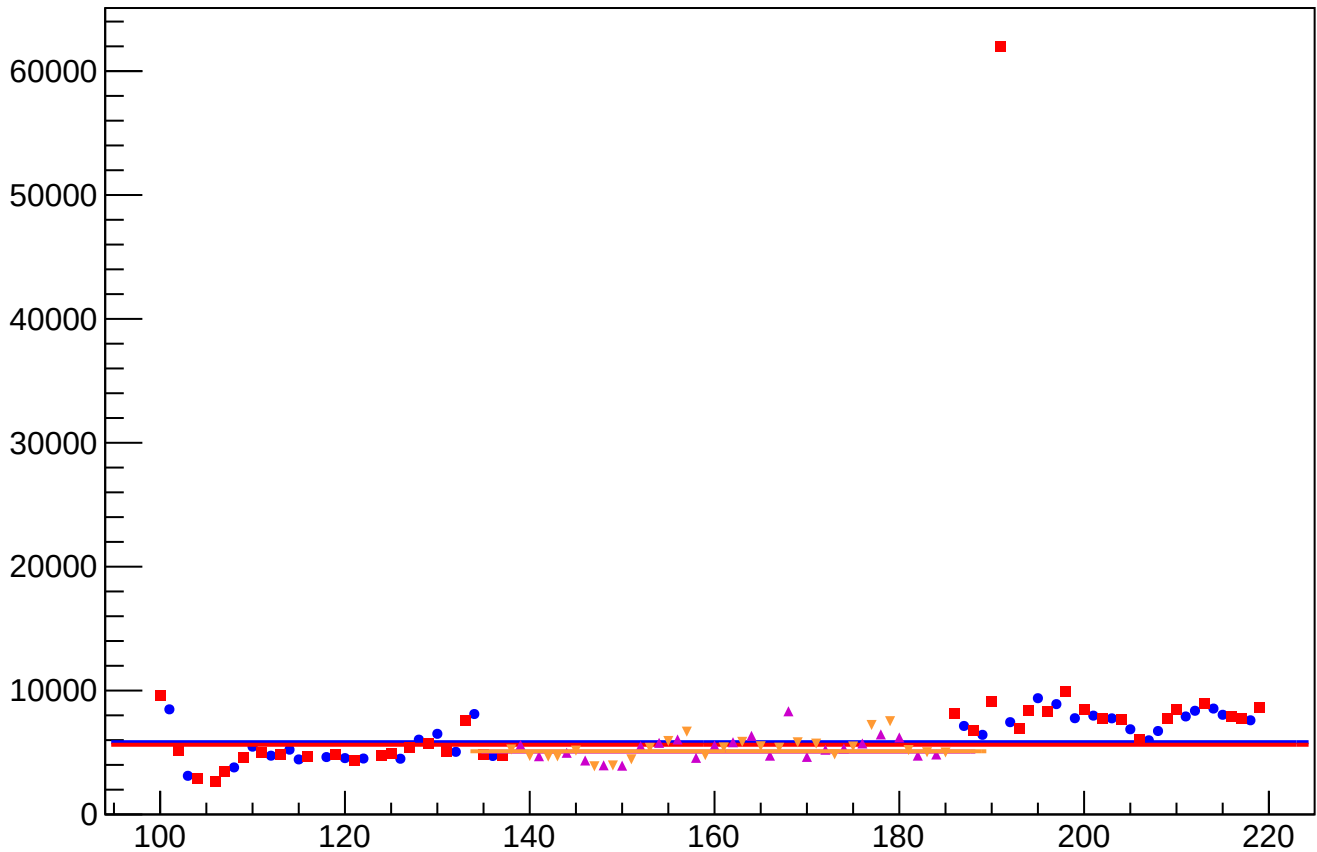
Left In: -2563.603+/-1204.450 χ^2/NDF : 16.0/22

+ sign 1863.219+/-891.391 χ^2/NDF : 63.2/56

All: -452.113+/-628.716 χ^2/NDF : 138.0/116

- sign -2744.186+/-886.902 χ^2/NDF : 61.3/59

asym_atr_avg_rms vs Slug



Right In: 5833.788+/-0.963 χ^2/NDF : 3453005.9/31

Left Out: 5100.641+/-0.833 χ^2/NDF : 909330.5/24

Right Out: 5626.331+/-0.922 χ^2/NDF : 4757896.0/36

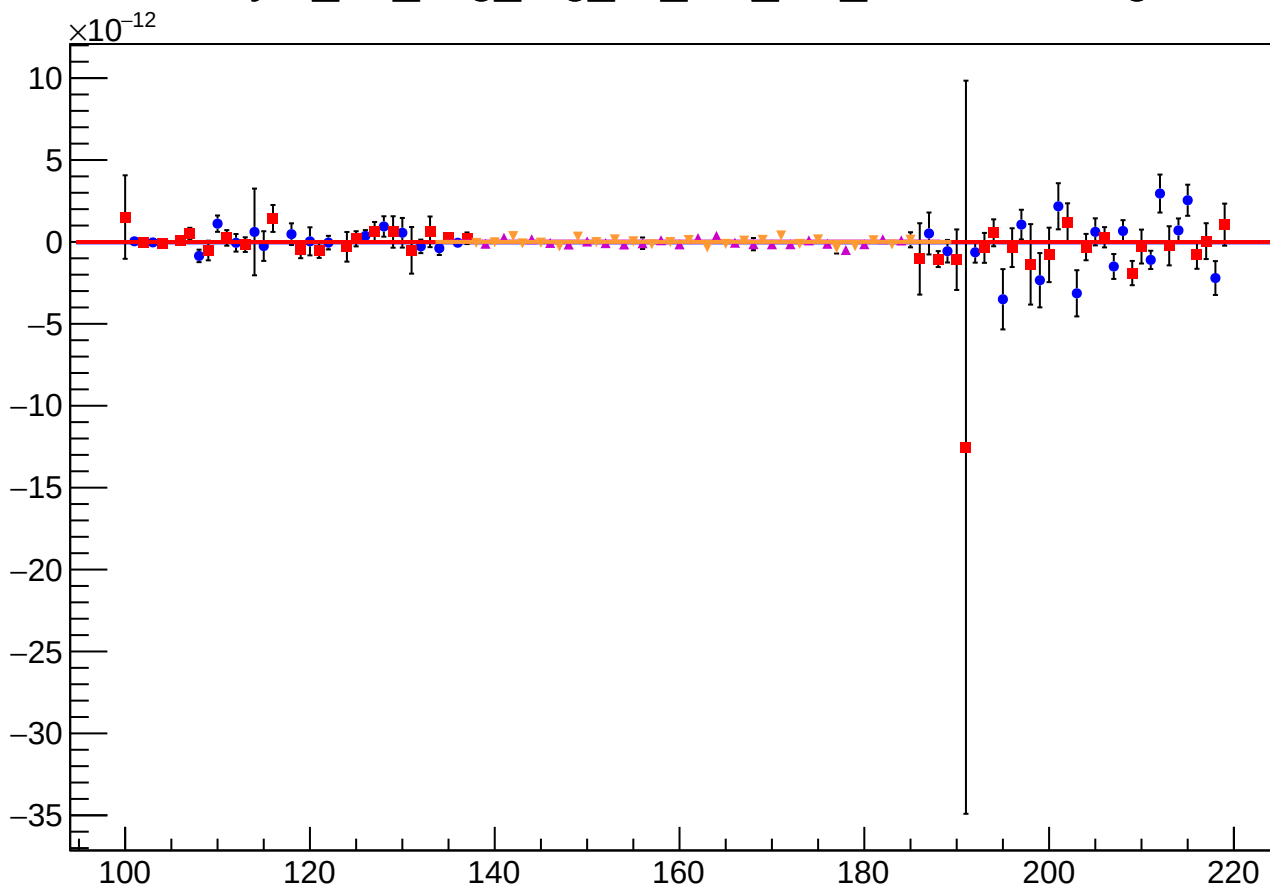
Left In: 5073.543+/-0.852 χ^2/NDF : 991915.5/22

+ sign 5414.458+/-0.630 χ^2/NDF : 4693563.3/56

All: 5370.940+/-0.444 χ^2/NDF : 10646812.9/100

- sign 5328.071+/-0.626 χ^2/NDF : 5943787.1/59

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 60.4/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 33.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 31.7/36

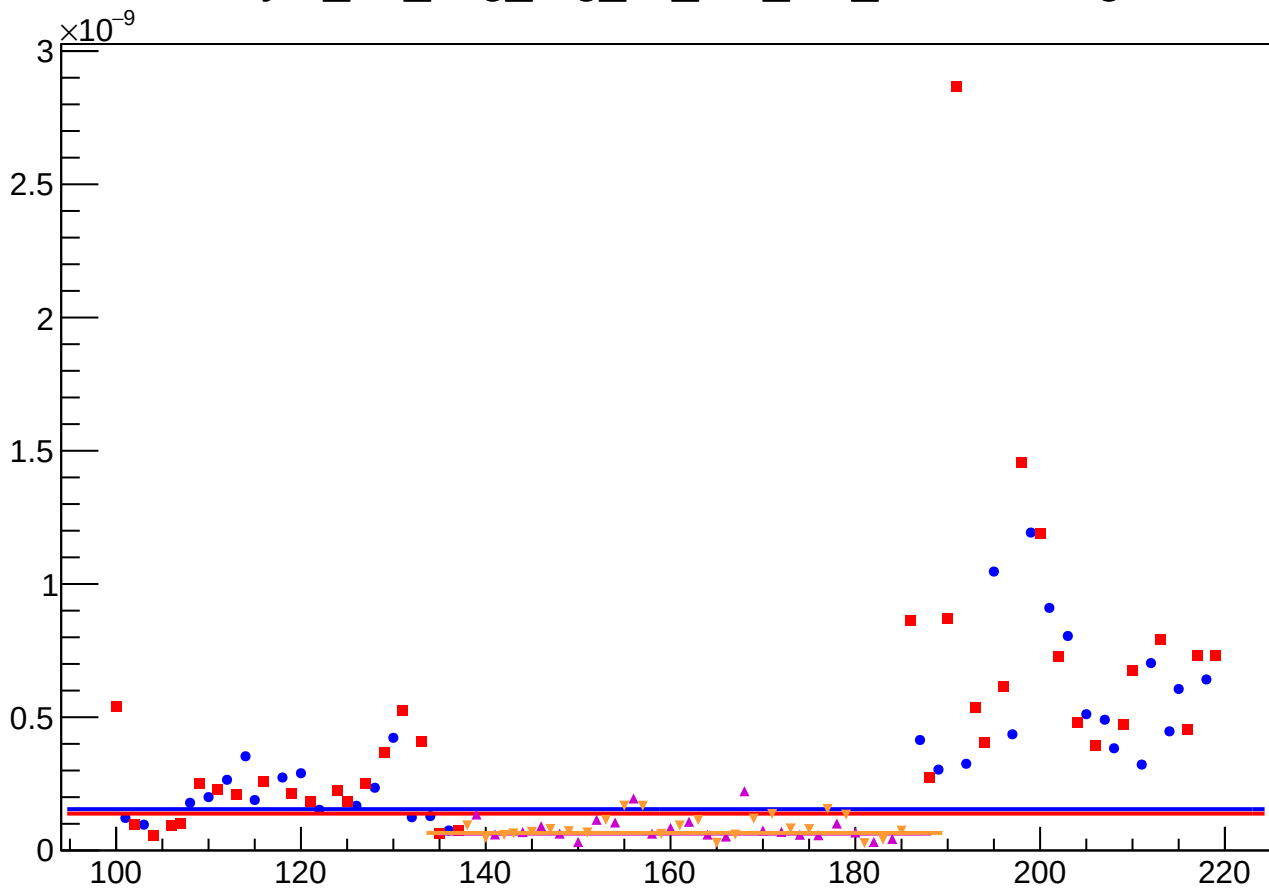
Left In: 0.000 ± 0.000 χ^2/NDF : 32.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 93.8/56

All: 0.000 ± 0.000 χ^2/NDF : 158.3/116

- sign 0.000 ± 0.000 χ^2/NDF : 64.3/59

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 7217175.7/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2472657.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9474594.5/36

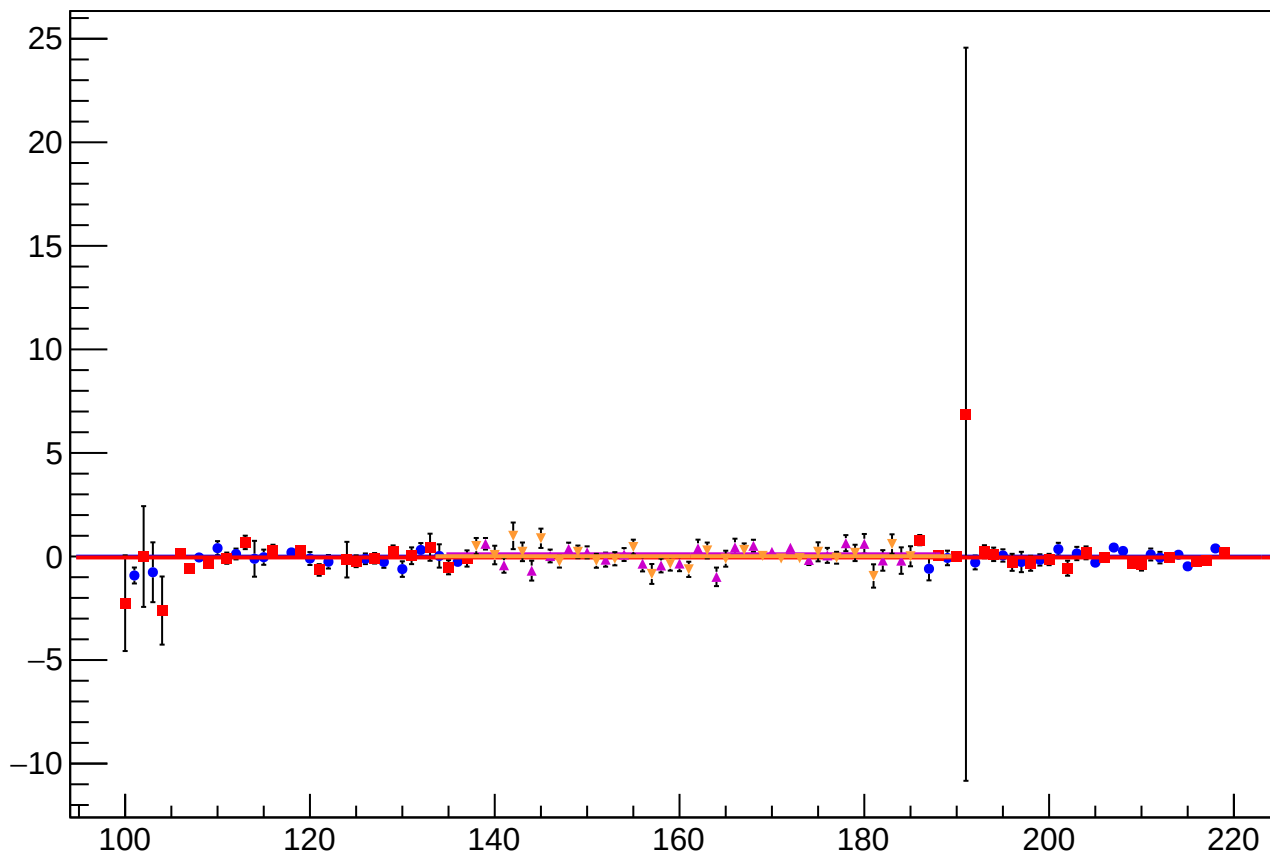
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2196878.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 12423869.8/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 26155408.4/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 13708372.0/59

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.048 χ^2/NDF : 39.9/31

Left Out: 0.012 ± 0.068 χ^2/NDF : 25.2/24

Right Out: -0.047 ± 0.043 χ^2/NDF : 51.7/36

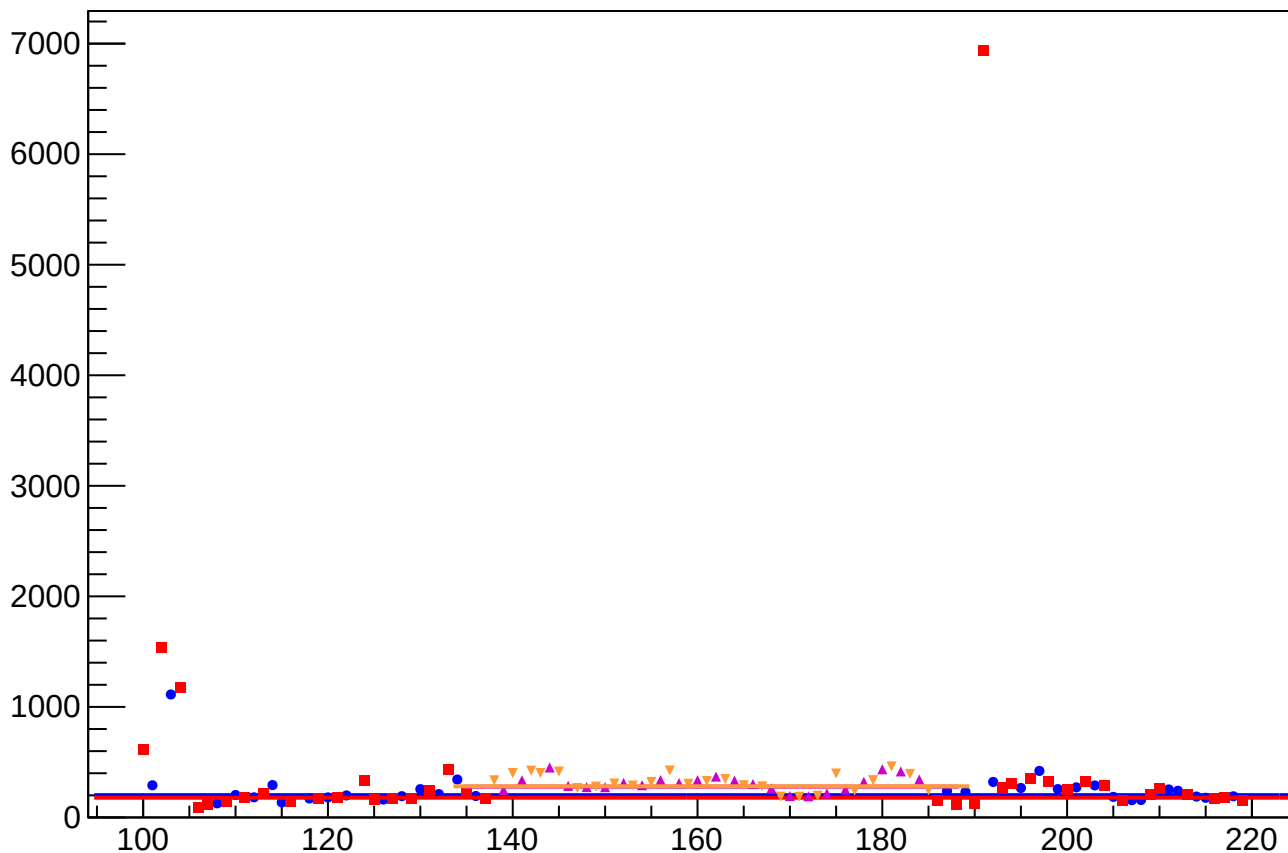
Left In: 0.105 ± 0.069 χ^2/NDF : 31.4/22

+ sign -0.001 ± 0.039 χ^2/NDF : 65.2/56

All: -0.002 ± 0.027 χ^2/NDF : 151.8/116

- sign -0.004 ± 0.037 χ^2/NDF : 86.6/59

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 201.716+/-0.034 χ^2/NDF : 3038560.7/31

Left Out: 281.818+/-0.048 χ^2/NDF : 2520824.2/24

Right Out: 178.751+/-0.031 χ^2/NDF : 5721720.8/36

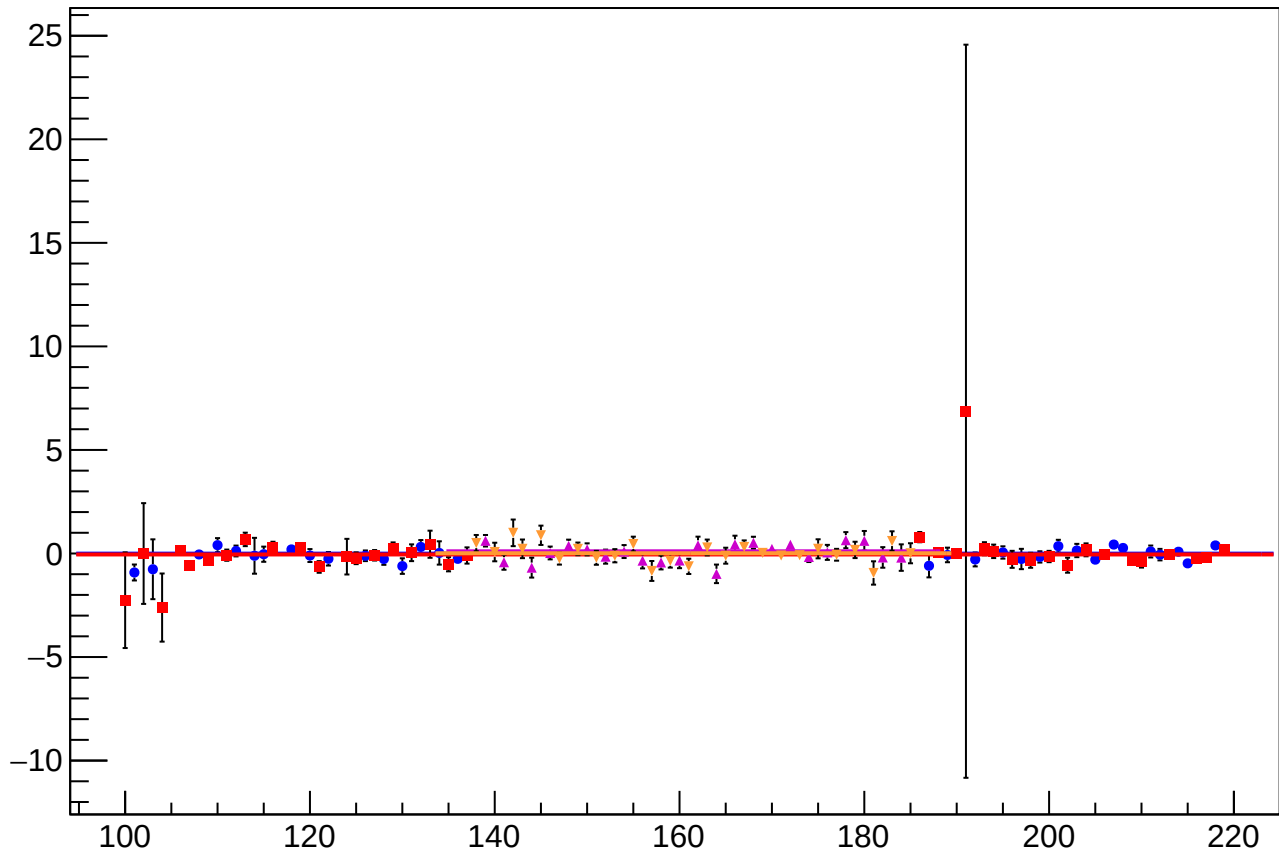
Left In: 278.409+/-0.049 χ^2/NDF : 1799690.4/22

+ sign 228.676+/-0.028 χ^2/NDF : 7398008.5/56

All: 217.137+/-0.019 χ^2/NDF : 18254040.4/11

- sign 207.194+/-0.026 χ^2/NDF : 10537918.1/59

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.048 χ^2/NDF : 39.9/31

Left Out: 0.012 ± 0.068 χ^2/NDF : 25.2/24

Right Out: -0.047 ± 0.043 χ^2/NDF : 51.7/36

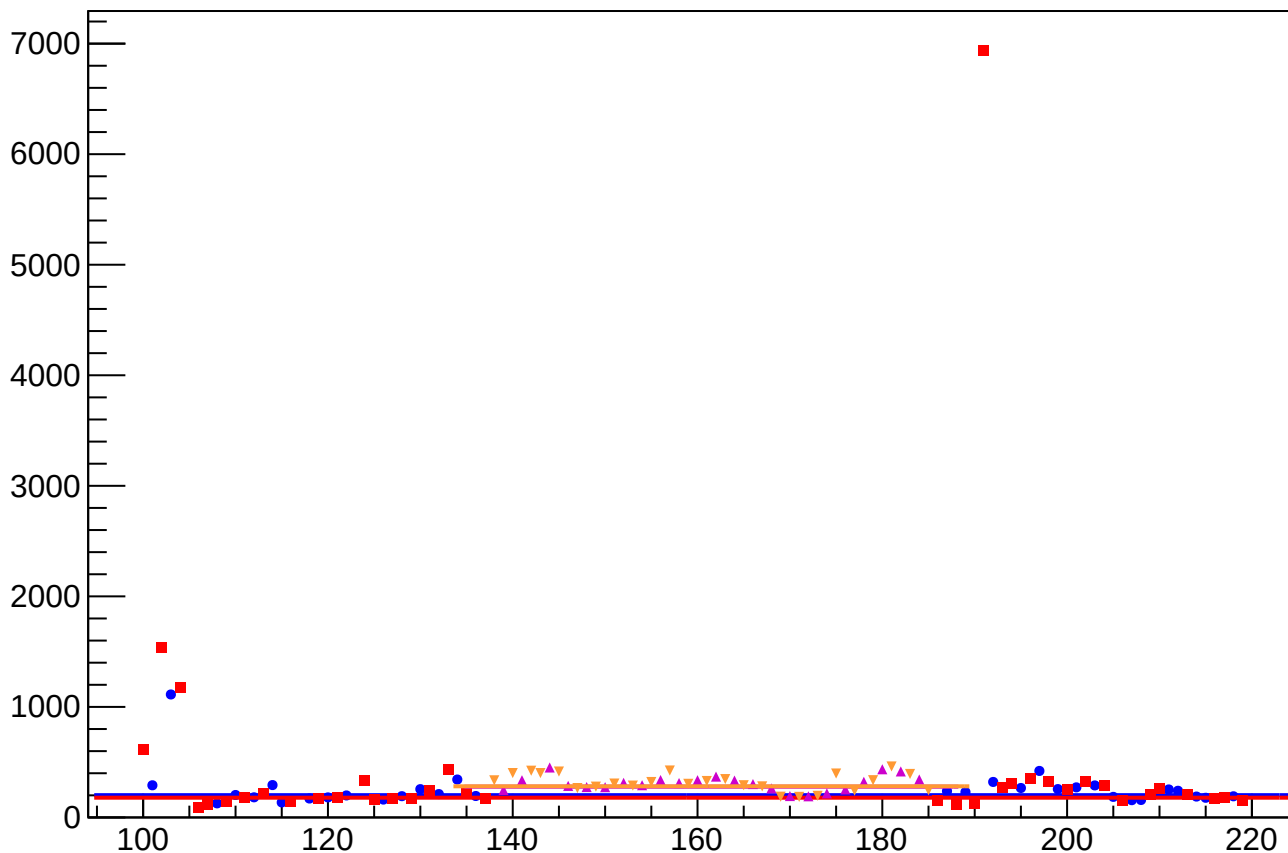
Left In: 0.105 ± 0.069 χ^2/NDF : 31.4/22

+ sign -0.001 ± 0.039 χ^2/NDF : 65.2/56

All: -0.002 ± 0.027 χ^2/NDF : 151.8/116

- sign -0.004 ± 0.037 χ^2/NDF : 86.6/59

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 201.716+/-0.034 χ^2/NDF : 3038560.7/31

Left Out: 281.818+/-0.048 χ^2/NDF : 2520824.2/24

Right Out: 178.751+/-0.031 χ^2/NDF : 5721720.8/36

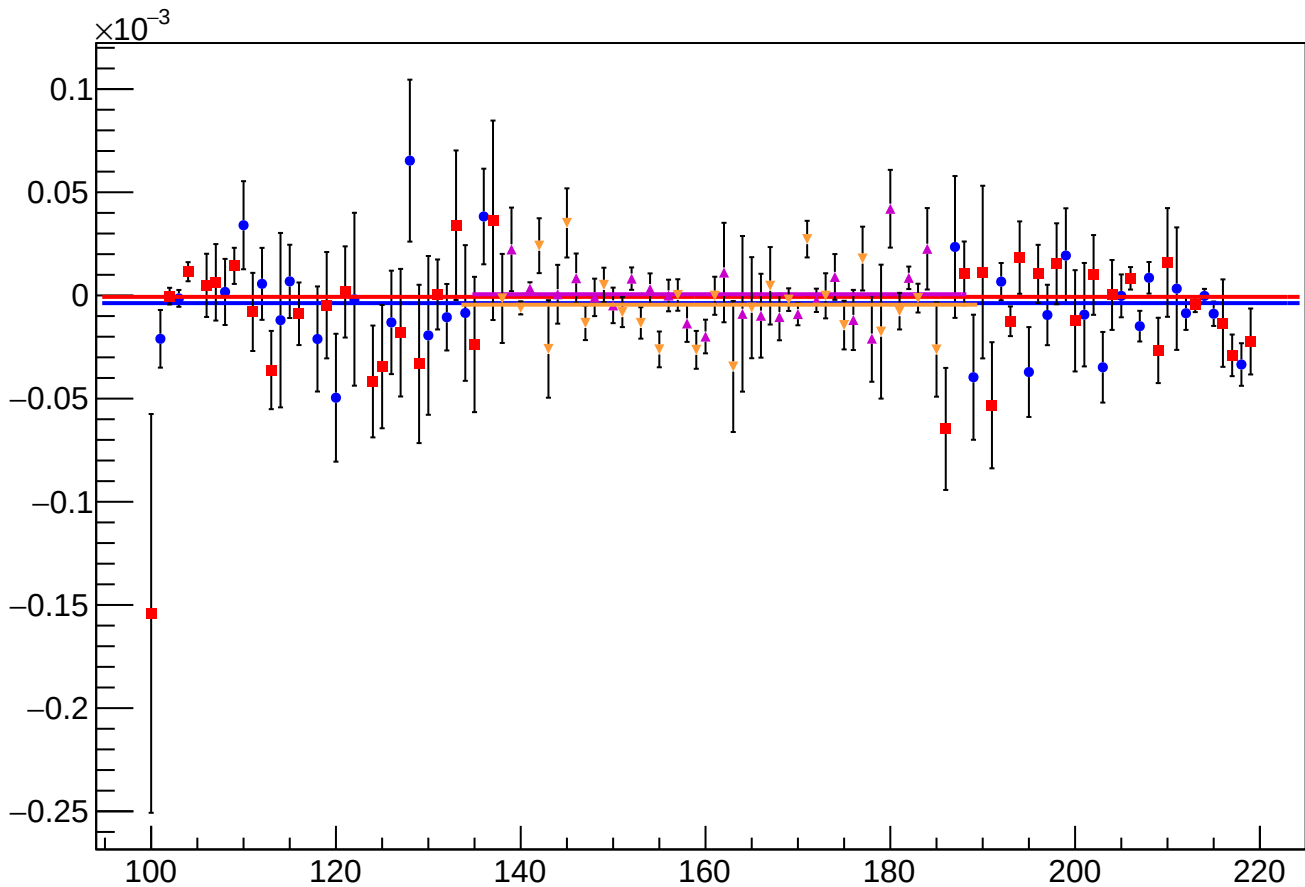
Left In: 278.409+/-0.049 χ^2/NDF : 1799690.4/22

+ sign 228.676+/-0.028 χ^2/NDF : 7398008.5/56

All: 217.137+/-0.019 χ^2/NDF : 18254040.4/1

- sign 207.194+/-0.026 χ^2/NDF : 10537918.1/59

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 41.0/31

Left Out: -0.000+/-0.000 χ^2 /NDF: 46.4/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 54.1/36

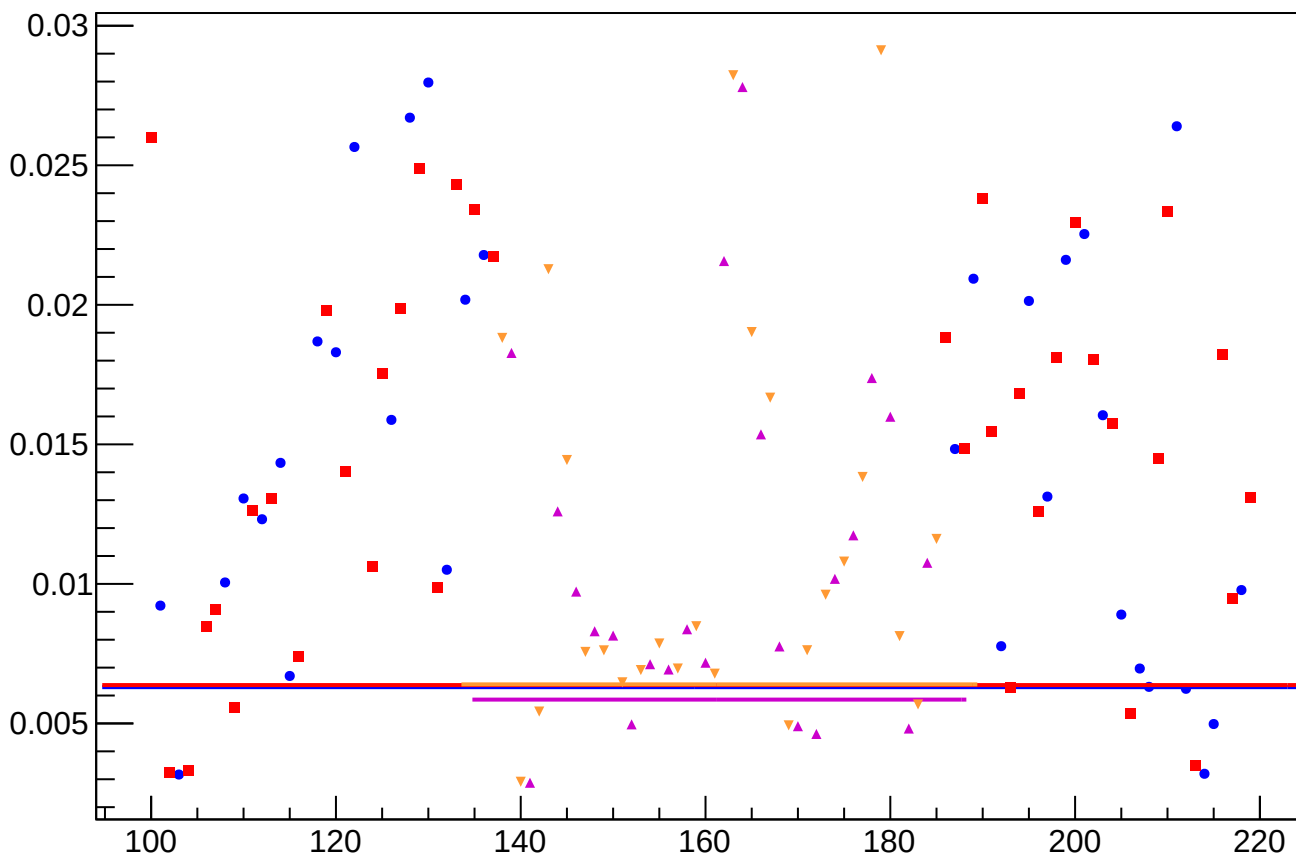
Left In: 0.000+/-0.000 χ^2 /NDF: 29.1/22

+ sign -0.000+/-0.000 χ^2 /NDF: 87.5/56

All: -0.000+/-0.000 χ^2 /NDF: 176.6/116

- sign -0.000+/-0.000 χ^2 /NDF: 83.4/59

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 13263188.5/31

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:8964265.3/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 15335328.1/36

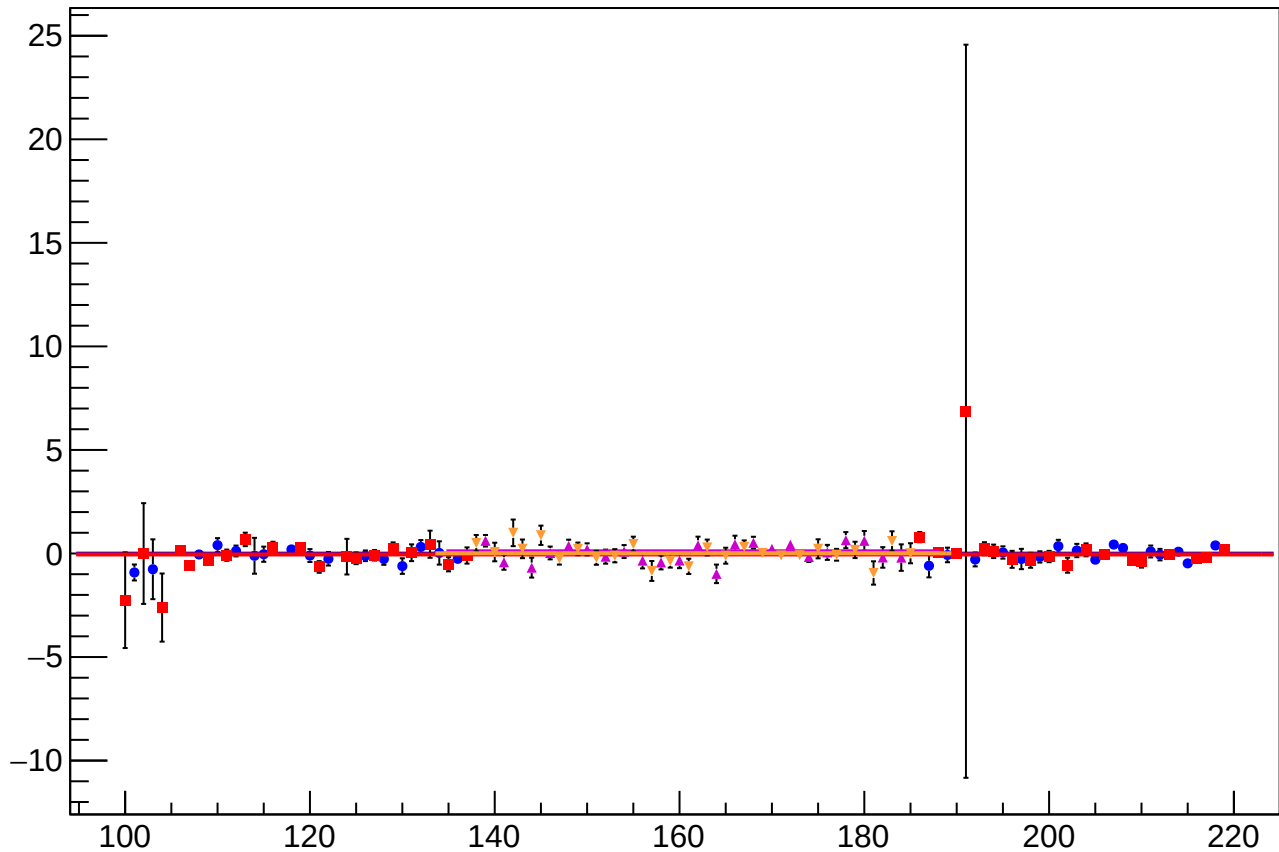
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:8144305.6/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 22230647.6/56

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 45848606.6/116

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 23573510.9/59

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.048 χ^2/NDF : 39.9/31

Left Out: 0.012 ± 0.068 χ^2/NDF : 25.2/24

Right Out: -0.047 ± 0.043 χ^2/NDF : 51.7/36

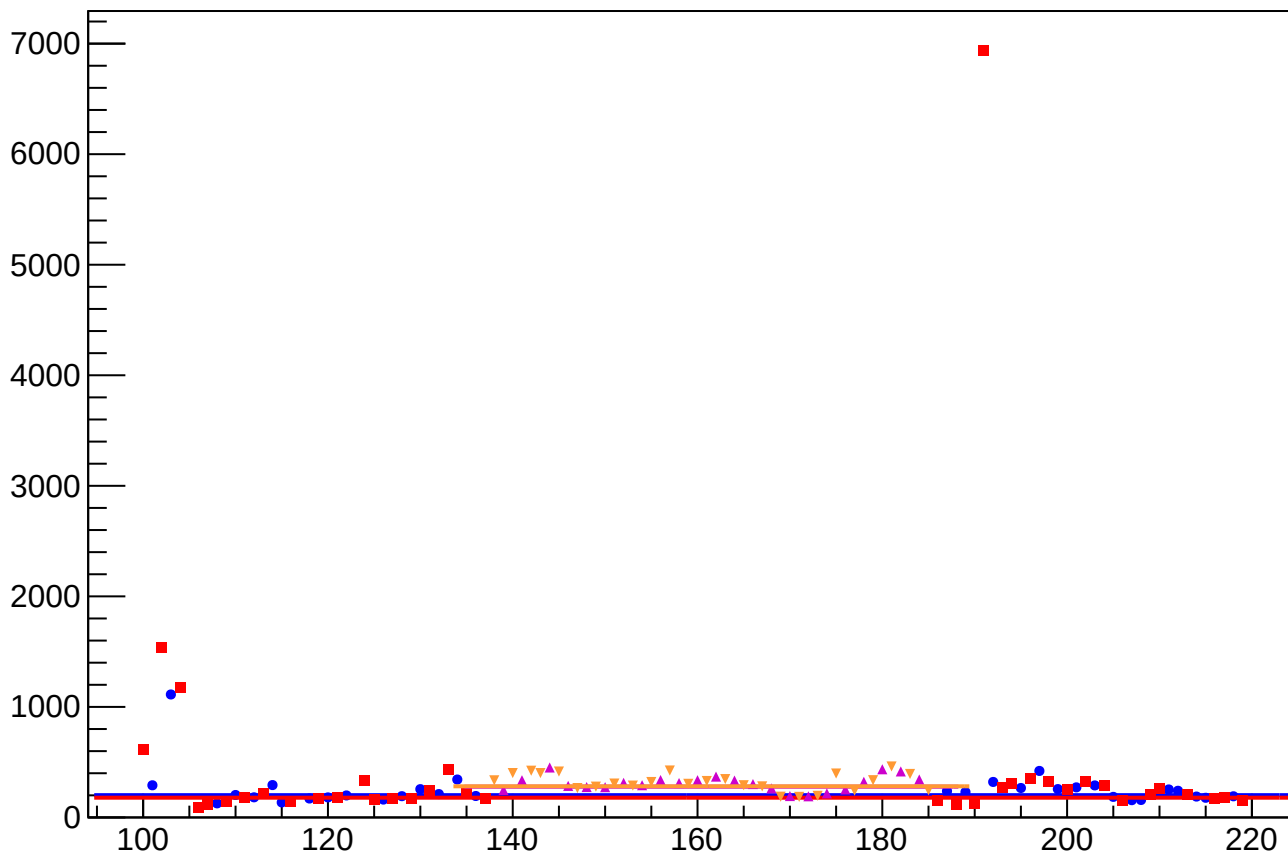
Left In: 0.105 ± 0.069 χ^2/NDF : 31.4/22

+ sign -0.001 ± 0.039 χ^2/NDF : 65.2/56

All: -0.002 ± 0.027 χ^2/NDF : 151.8/116

- sign -0.004 ± 0.037 χ^2/NDF : 86.6/59

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 201.716+/-0.034 χ^2/NDF : 3038584.4/31

Left Out: 281.820+/-0.048 χ^2/NDF : 2520889.0/24

Right Out: 178.749+/-0.031 χ^2/NDF : 5721866.9/36

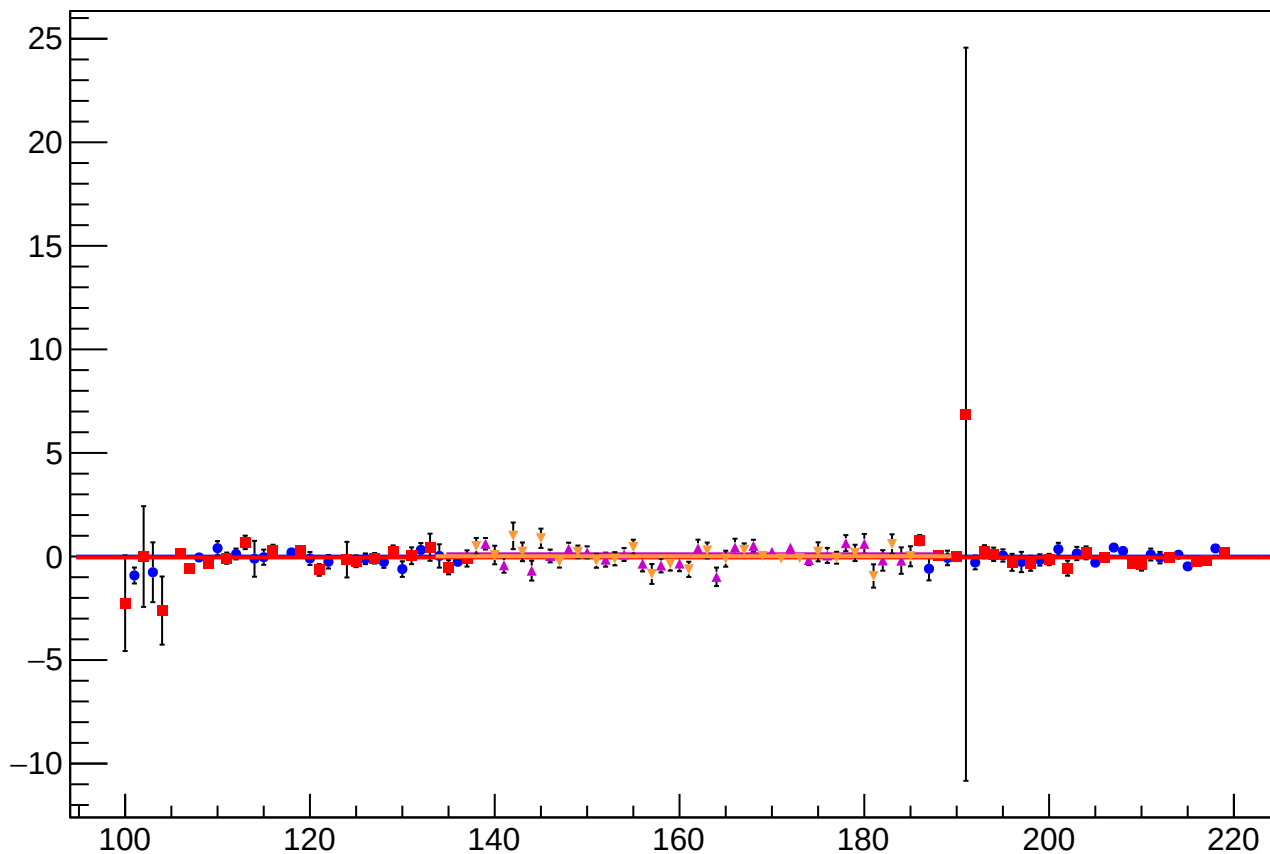
Left In: 278.412+/-0.049 χ^2/NDF : 1799730.1/22

+ sign 228.676+/-0.028 χ^2/NDF : 7398207.4/56

All: 217.136+/-0.019 χ^2/NDF : 18254771.2/11

- sign 207.192+/-0.026 χ^2/NDF : 10538385.0/59

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.048 χ^2/NDF : 39.9/31

Left Out: 0.012 ± 0.068 χ^2/NDF : 25.2/24

Right Out: -0.047 ± 0.043 χ^2/NDF : 51.7/36

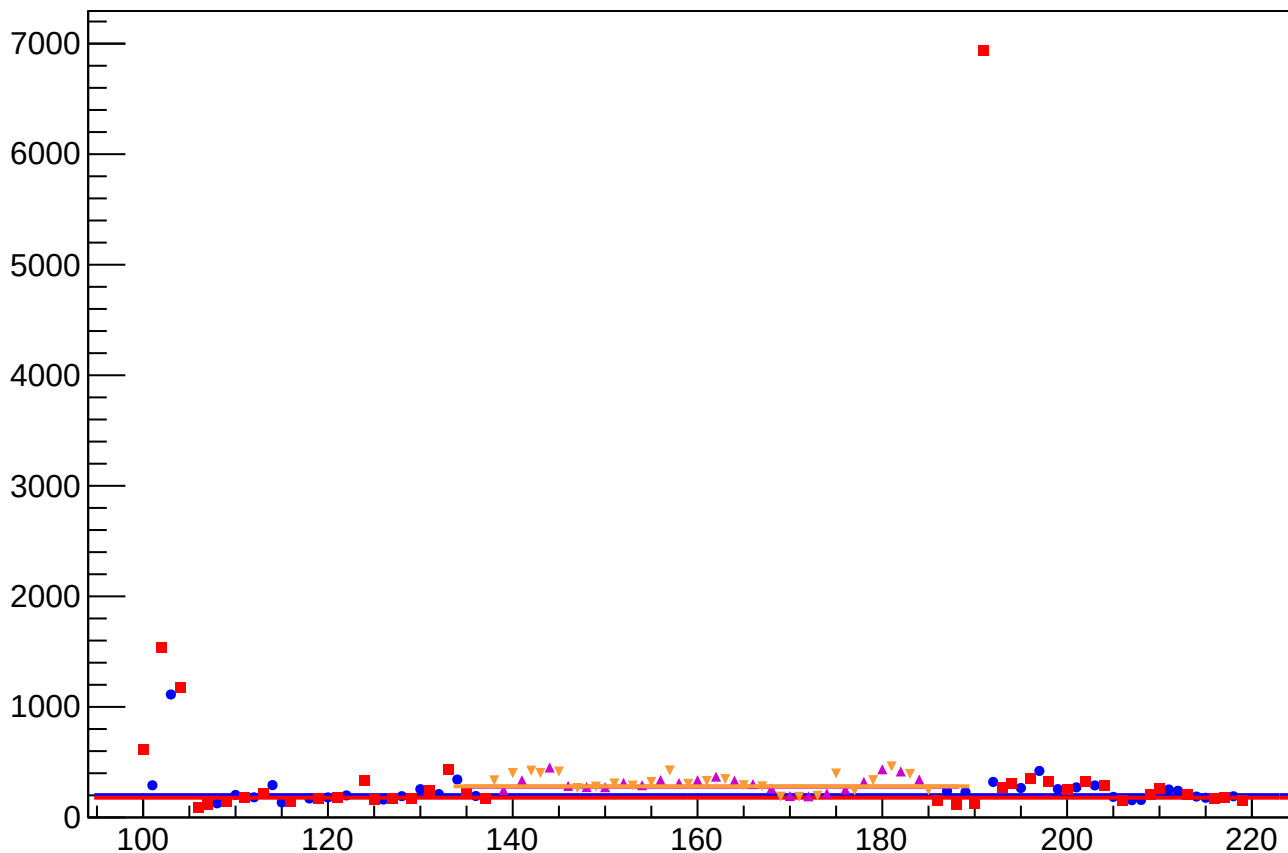
Left In: 0.105 ± 0.069 χ^2/NDF : 31.4/22

+ sign -0.001 ± 0.039 χ^2/NDF : 65.2/56

All: -0.002 ± 0.027 χ^2/NDF : 151.8/116

- sign -0.004 ± 0.037 χ^2/NDF : 86.6/59

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 201.716 $\pm$ 0.034 χ^2 /NDF: 3038584.4/31

Left Out: 281.820 $\pm$ 0.048 χ^2 /NDF: 2520889.0/24

Right Out: 178.749 $\pm$ 0.031 χ^2 /NDF: 5721866.9/36

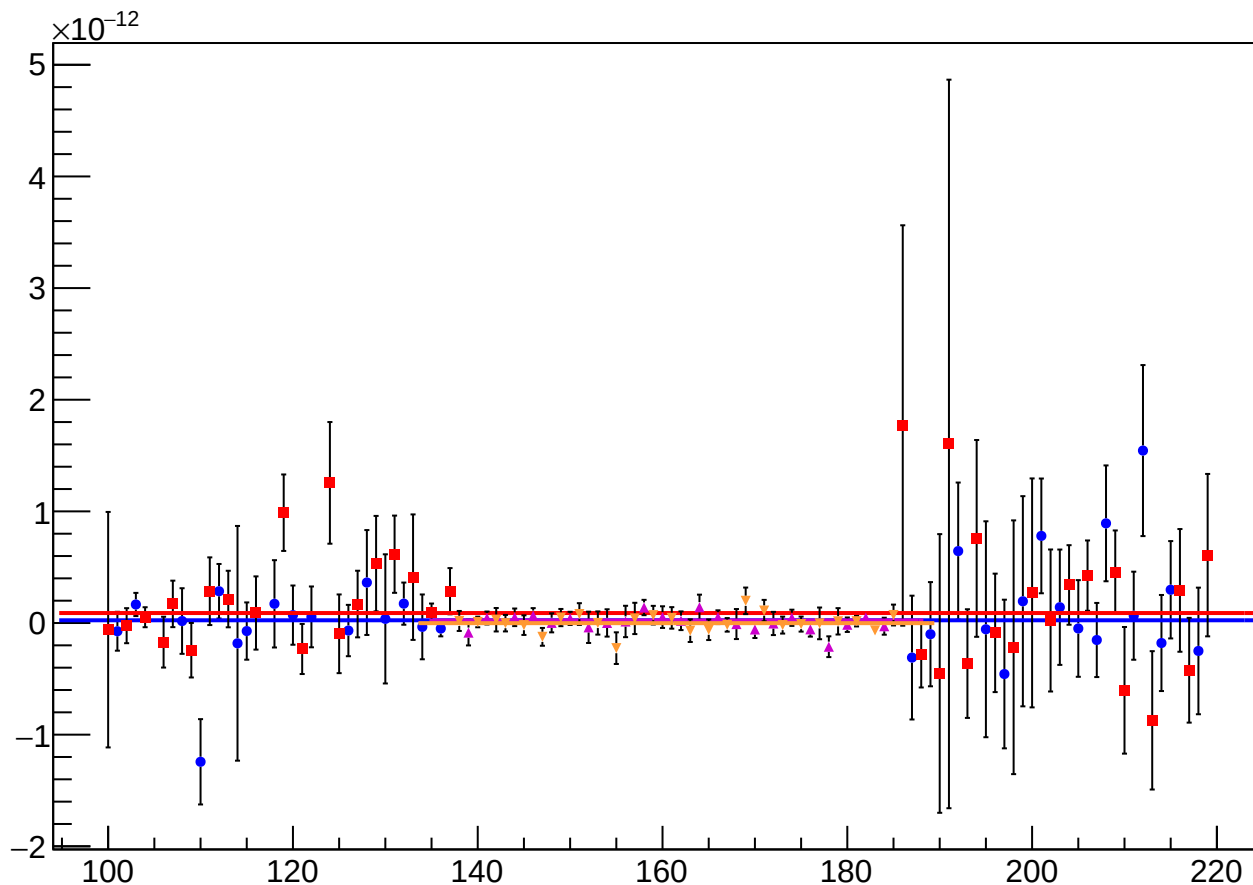
Left In: 278.412 $\pm$ 0.049 χ^2 /NDF: 1799730.1/22

+ sign 228.676 $\pm$ 0.028 χ^2 /NDF: 7398207.4/56

All: 217.136 $\pm$ 0.019 χ^2 /NDF: 18254771.2/11

- sign 207.192 $\pm$ 0.026 χ^2 /NDF: 10538385.0/59

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.3/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:15.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.1/36

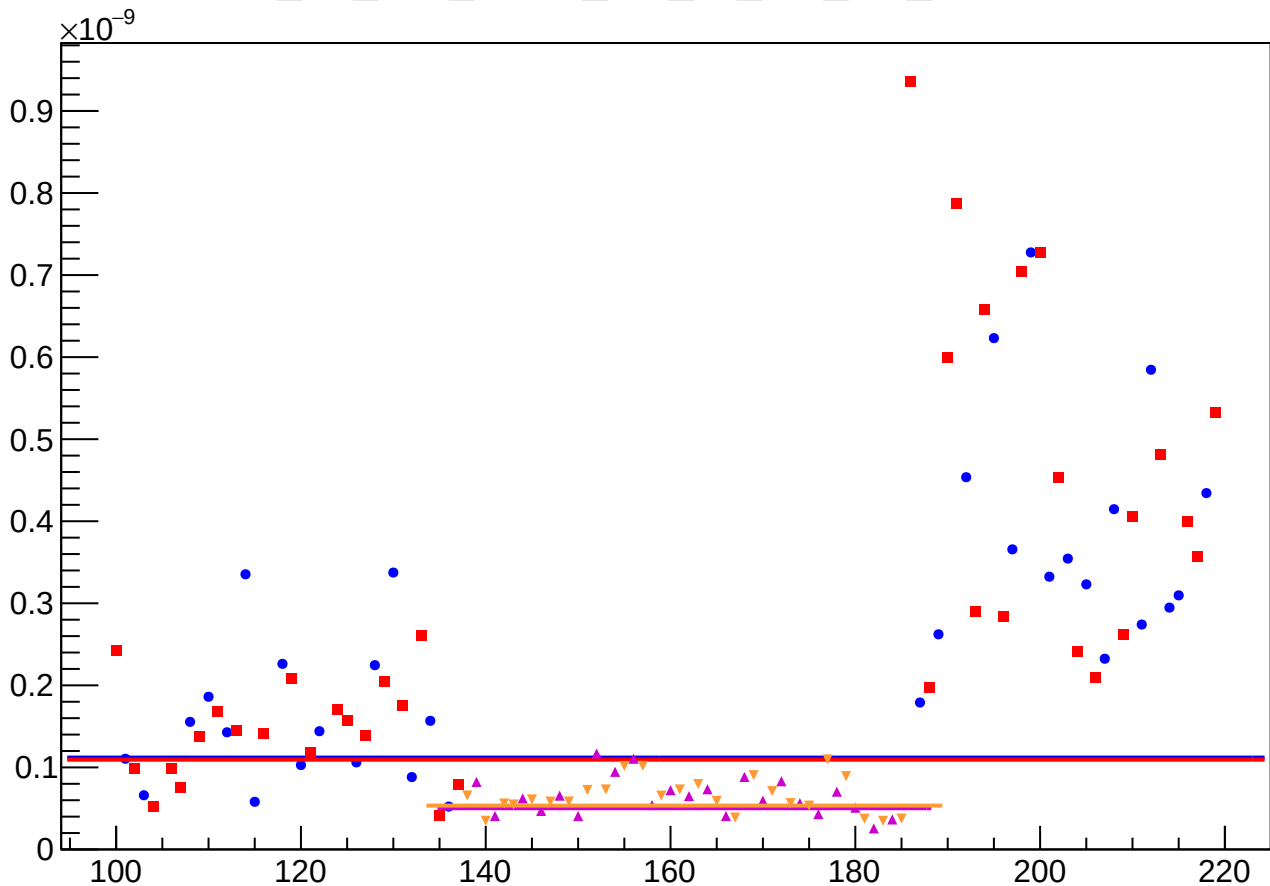
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.0/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 102.1/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 55.2/59

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10183683.0/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11010002.6/36

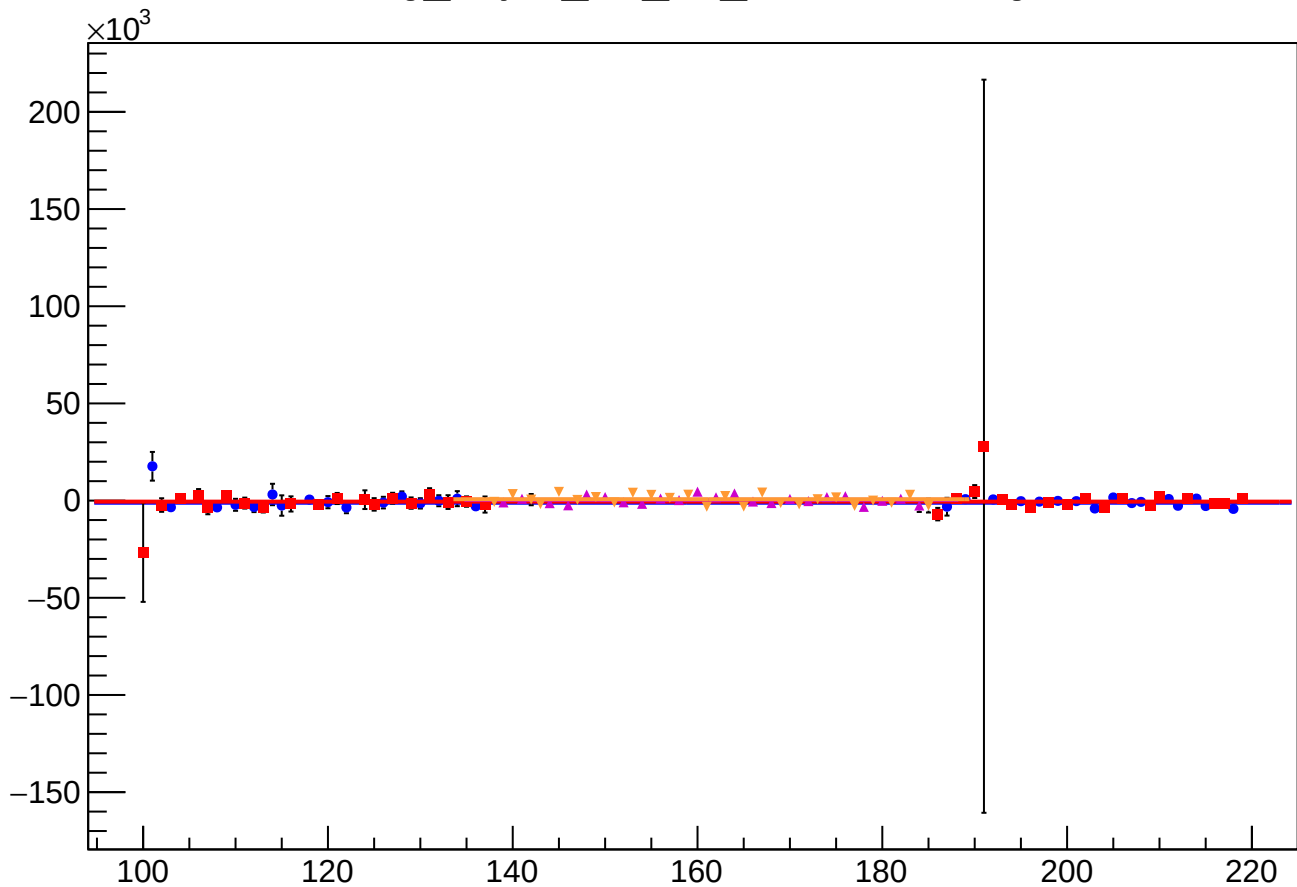
Left In: 0.000+/-0.000 χ^2/NDF : 3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 16255768.3/56

All: 0.000+/-0.000 χ^2/NDF : 34178307.6/116

- sign 0.000+/-0.000 χ^2/NDF : 17875846.6/59

reg_asym_atr_dd_mean vs Slug



Right In: -1095.060 ± 433.047 χ^2/NDF : 24.9/31

Left Out: 705.742 ± 415.383 χ^2/NDF : 31.9/24

Right Out: -532.138 ± 421.992 χ^2/NDF : 27.7/36

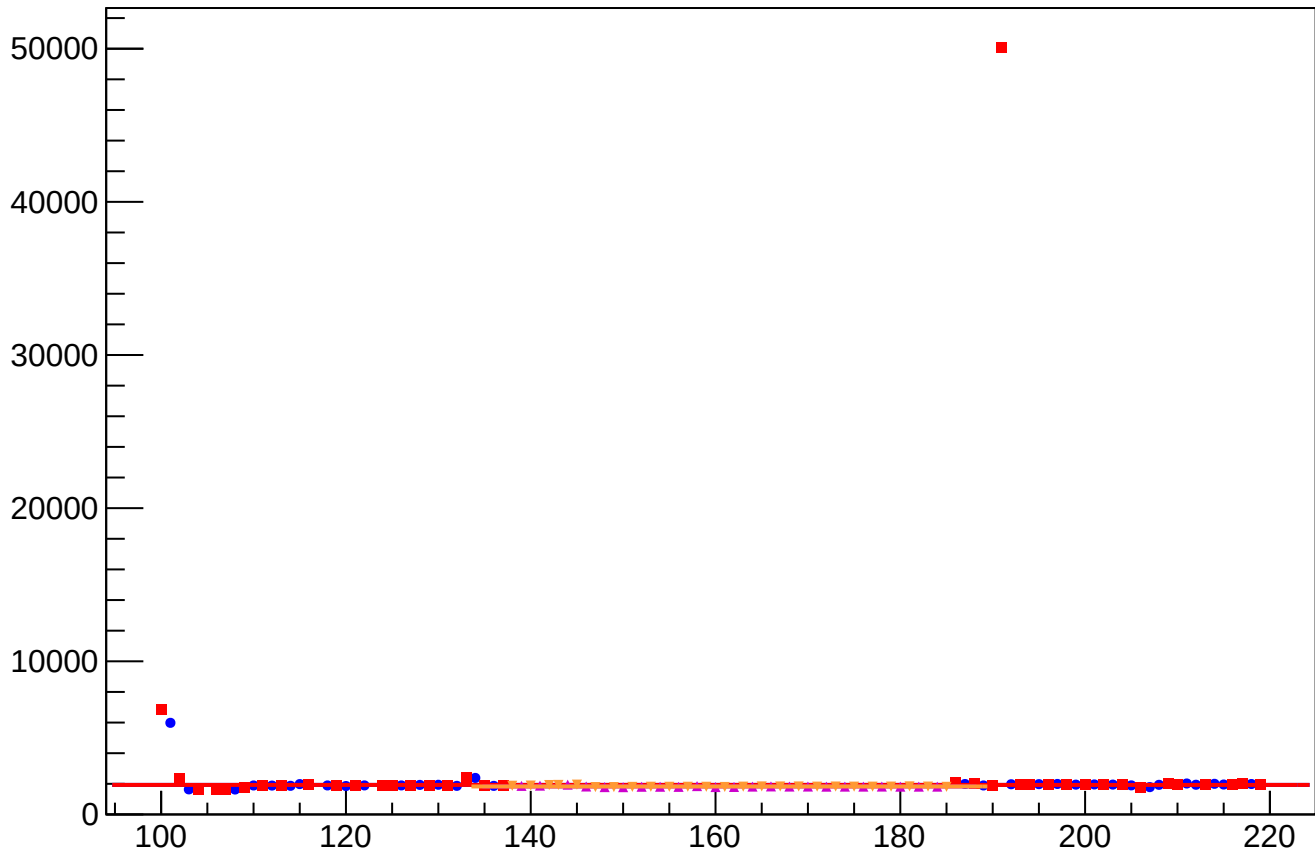
Left In: 403.144 ± 426.215 χ^2/NDF : 20.7/22

+ sign -157.184 ± 299.770 χ^2/NDF : 65.8/56

All: -113.184 ± 212.007 χ^2/NDF : 116.7/116

- sign -69.153 ± 299.875 χ^2/NDF : 50.8/59

reg_asym_atr_dd_rms vs Slug



Right In: 1929.208+/-0.306 χ^2/NDF : 725608.0/31

Left Out: 1828.243+/-0.294 χ^2/NDF : 19329.0/24

Right Out: 1928.749+/-0.298 χ^2/NDF : 395534.2/36

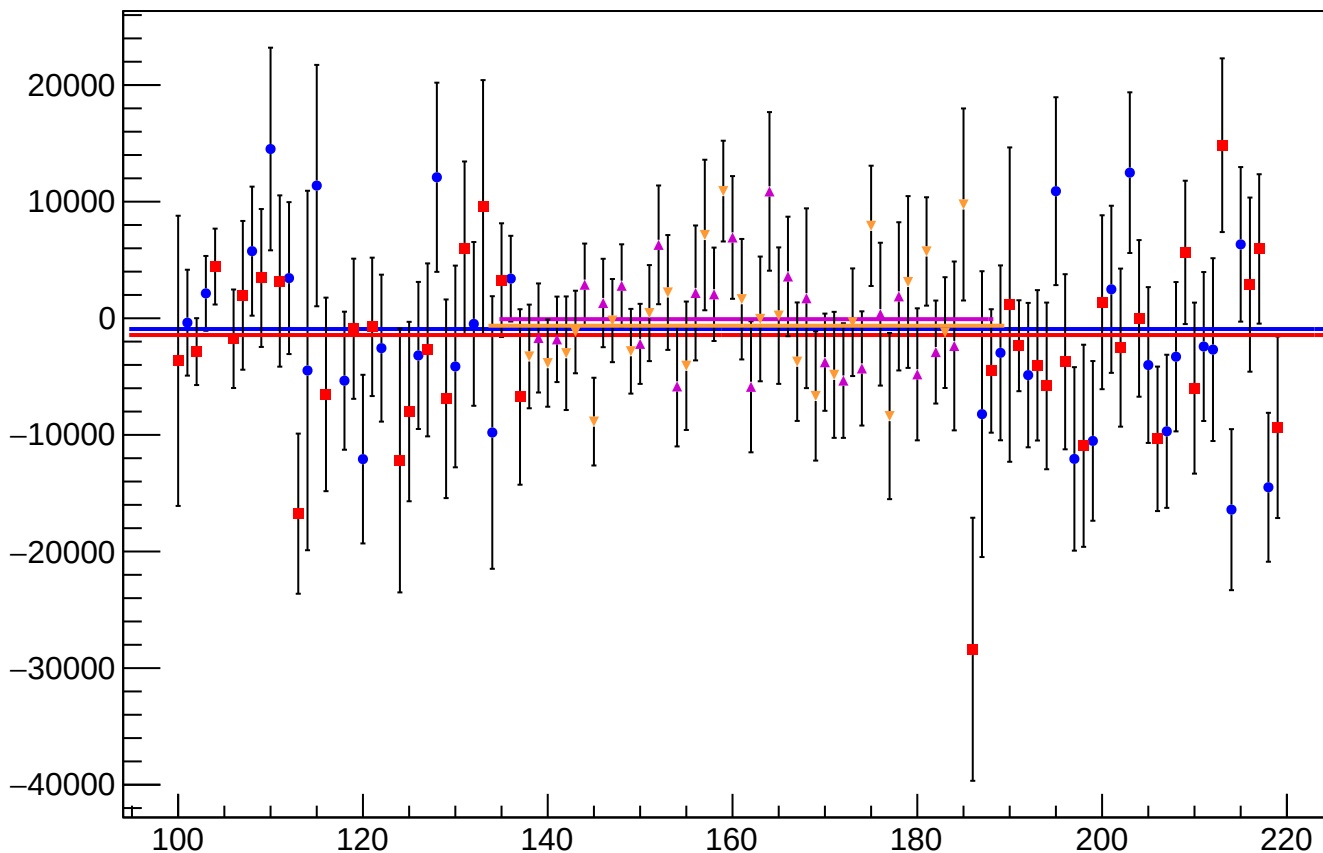
Left In: 1825.165+/-0.301 χ^2/NDF : 13360.2/22

+ sign 1876.624+/-0.212 χ^2/NDF : 801558.6/56

All: 1877.080+/-0.150 χ^2/NDF : 1270188.1/11

- sign 1877.536+/-0.212 χ^2/NDF : 468620.2/59

asym_atr_dd_reg_correction_mean vs Slug



Right In: -922.177+/-1132.254 χ^2/NDF : 39.2/31

Left Out: -637.703+/-946.866 χ^2/NDF : 26.0/24

Right Out: -1436.003+/-1007.801 χ^2/NDF : 35.2/36

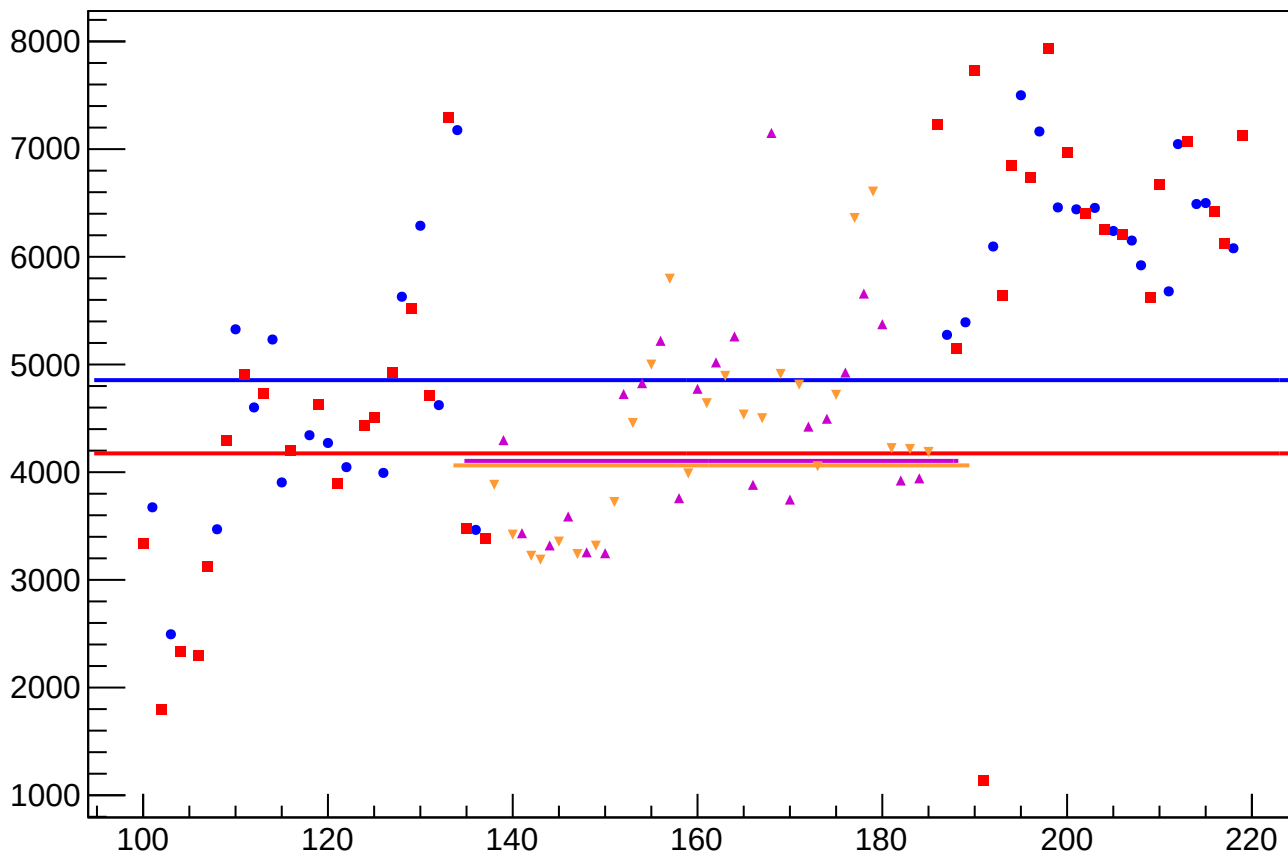
Left In: -75.764+/-980.243 χ^2/NDF : 15.4/22

+ sign -754.775+/-726.354 χ^2/NDF : 65.2/56

All: -745.609+/-505.031 χ^2/NDF : 116.9/116

- sign -737.032+/-702.677 χ^2/NDF : 51.6/59

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4854.743 $\pm$ 0.801 χ^2 /NDF: 3423306.4/31

Left Out: 4063.108 $\pm$ 0.670 χ^2 /NDF:1405036.2/24

Right Out: 4174.551 $\pm$ 0.713 χ^2 /NDF: 7596406.1/36

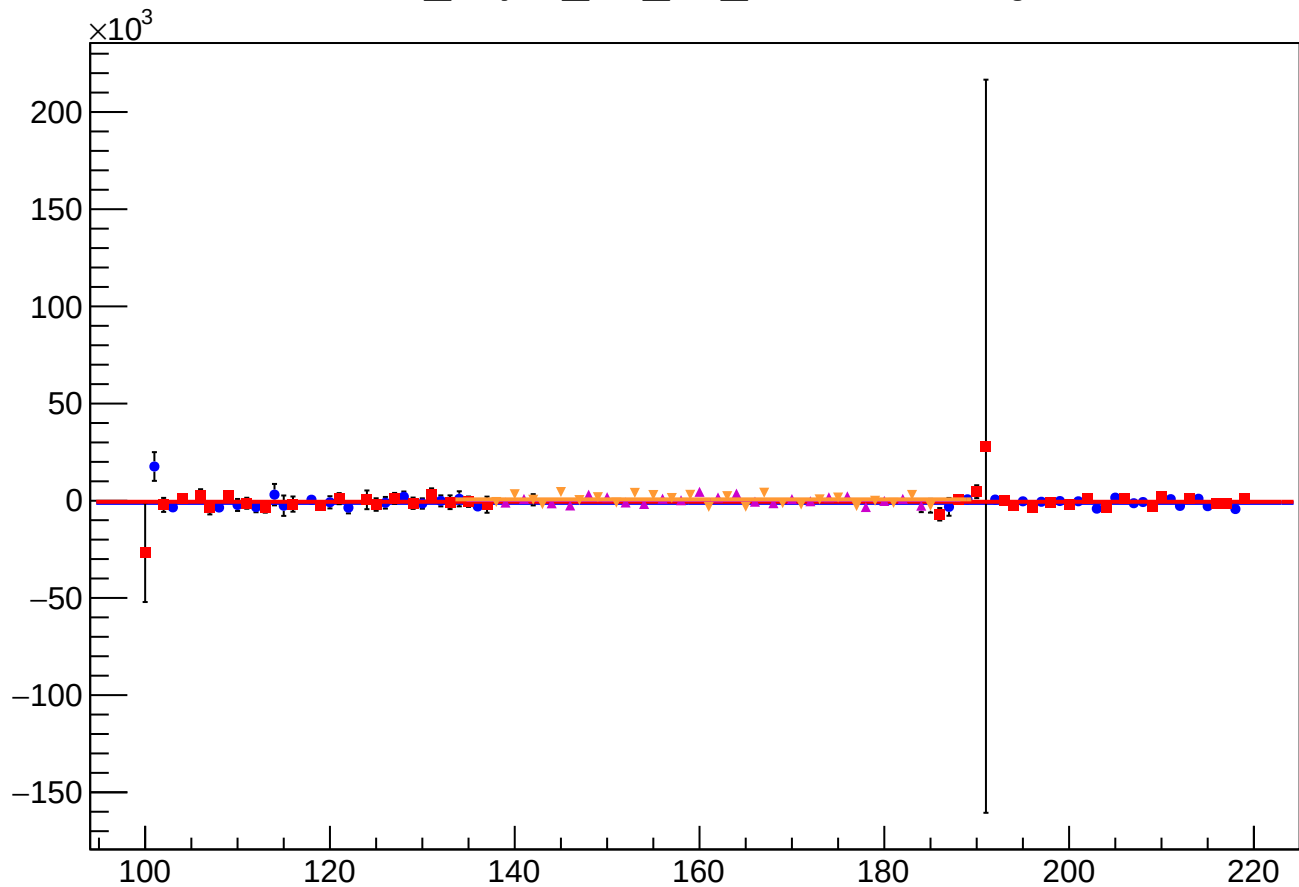
Left In: 4105.057 $\pm$ 0.693 χ^2 /NDF:1359493.1/22

+ sign 4388.895 $\pm$ 0.514 χ^2 /NDF: 5403665.0/56

All: 4259.726 $\pm$ 0.357 χ^2 /NDF: 14486891.4/144

- sign 4138.841 $\pm$ 0.497 χ^2 /NDF: 8960786.0/59

cor_asym_atr_dd_mean vs Slug



Right In: -1095.267 ± 433.047 χ^2/NDF : 24.9/31

Left Out: 705.801 ± 415.383 χ^2/NDF : 31.9/24

Right Out: -528.527 ± 422.197 χ^2/NDF : 27.6/36

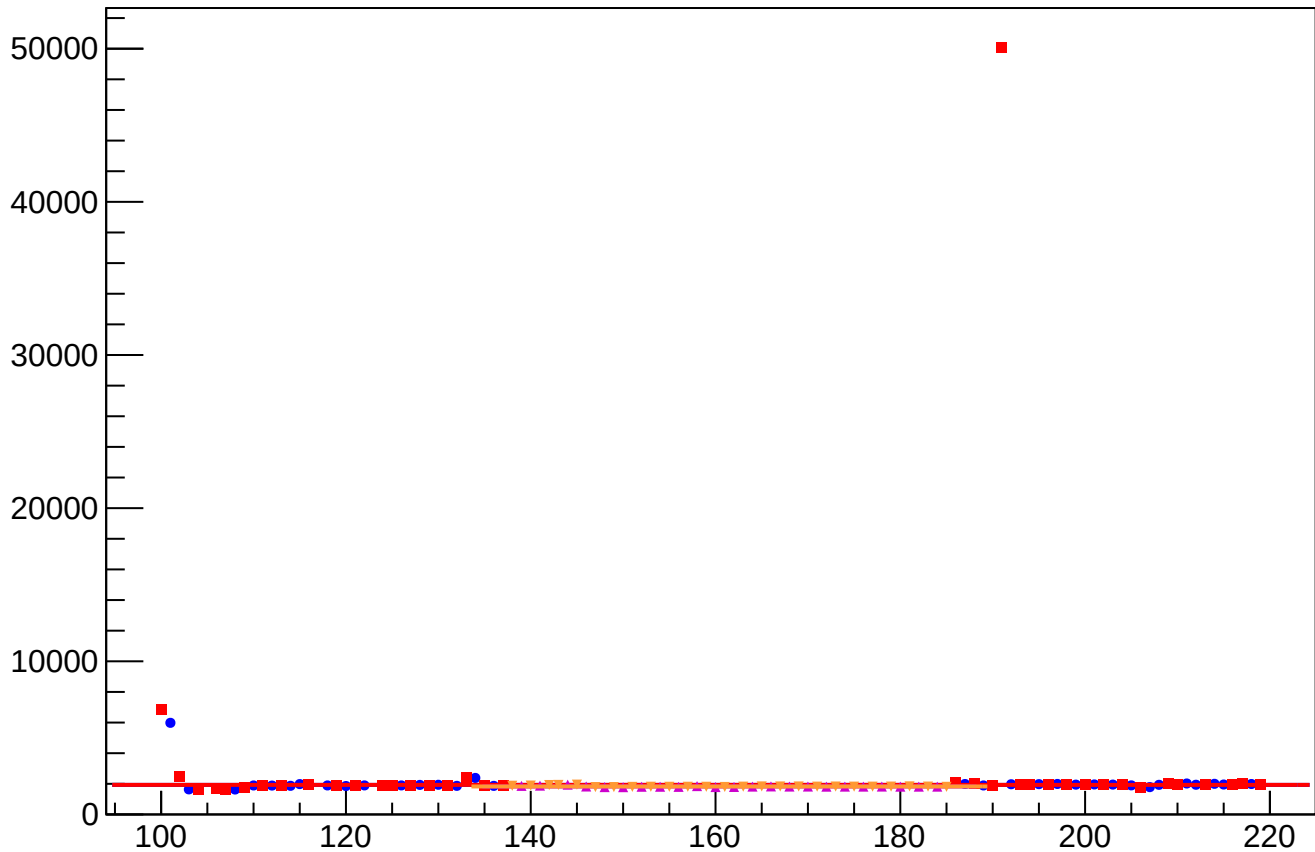
Left In: 402.981 ± 426.215 χ^2/NDF : 20.8/22

+ sign -157.253 ± 299.770 χ^2/NDF : 65.8/56

All: -112.246 ± 212.033 χ^2/NDF : 116.6/116

- sign -67.184 ± 299.949 χ^2/NDF : 50.8/59

cor_asym_atr_dd_rms vs Slug



Right In: 1929.208 $\pm$ 0.306 χ^2 /NDF: 725608.2/31

Left Out: 1828.243 $\pm$ 0.294 χ^2 /NDF: 19329.0/24

Right Out: 1931.312 $\pm$ 0.298 χ^2 /NDF: 401491.0/36

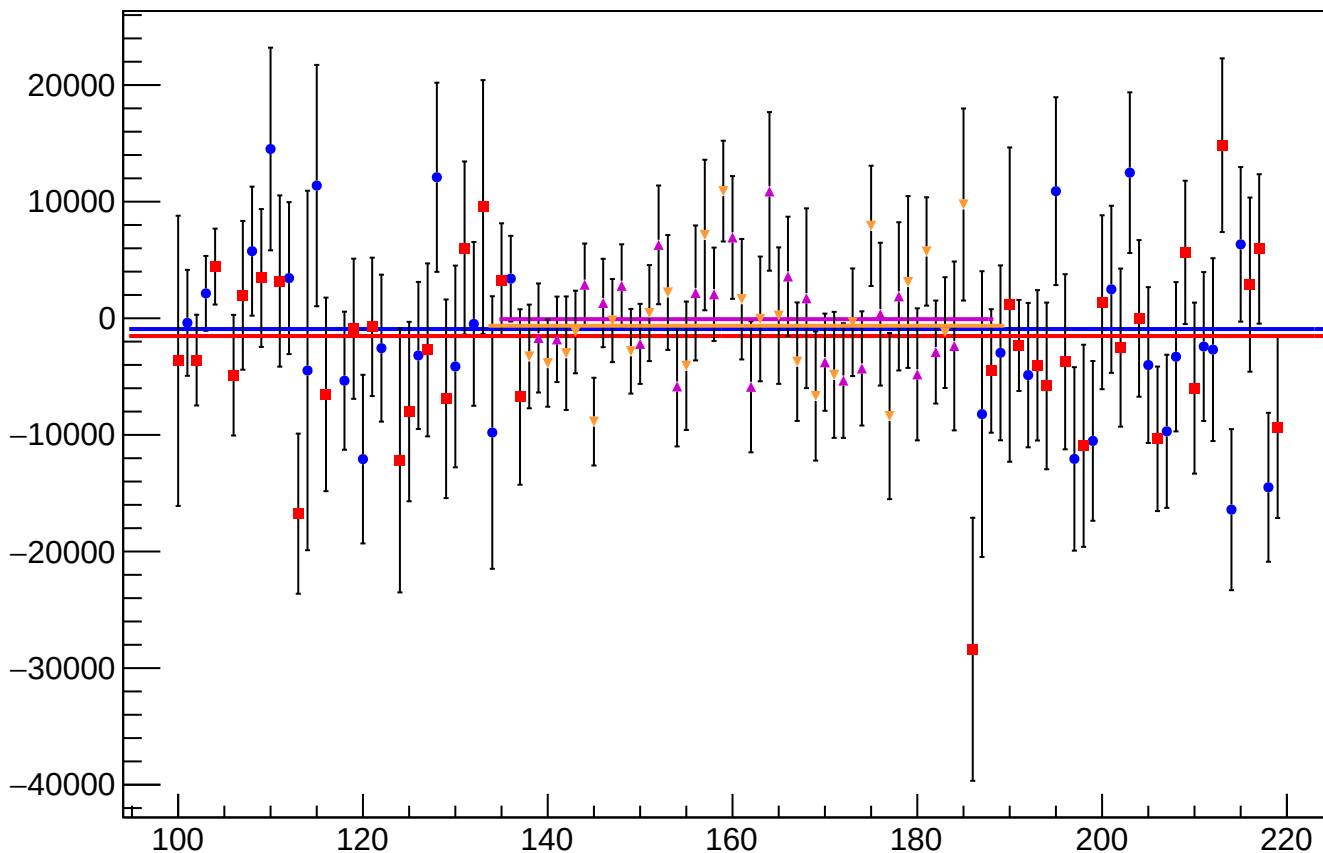
Left In: 1825.165 $\pm$ 0.301 χ^2 /NDF: 13360.2/22

+ sign 1876.624 $\pm$ 0.212 χ^2 /NDF: 801558.7/56

All: 1877.697 $\pm$ 0.150 χ^2 /NDF: 1279107.7/11

- sign 1878.771 $\pm$ 0.212 χ^2 /NDF: 477497.7/59

asym_atr_dd_cor_correction_mean vs Slug



Right In: -923.203 ± 1132.332 χ^2/NDF : 39.2/31

Left Out: -637.720 ± 946.866 χ^2/NDF : 26.0/24

Right Out: -1521.836 ± 1048.220 χ^2/NDF : 35.7/36

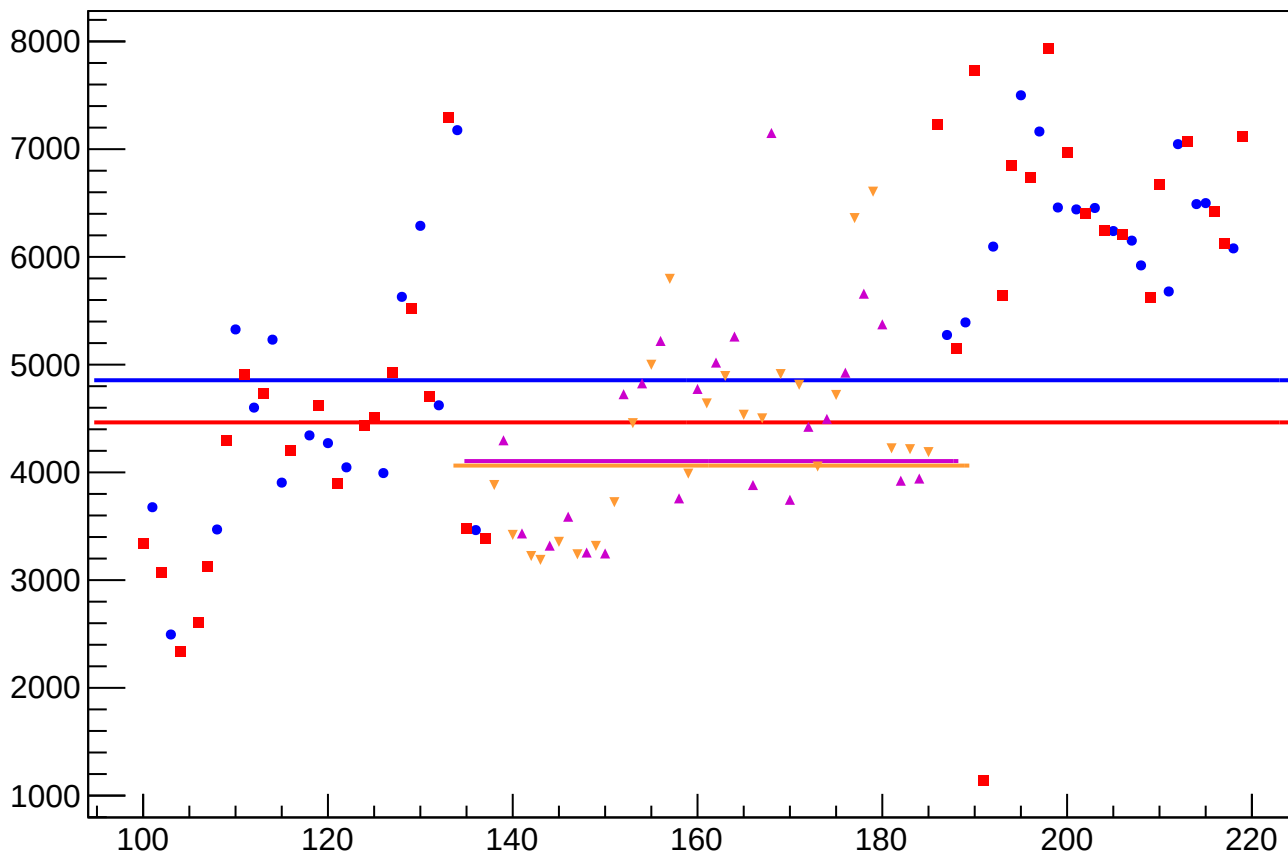
Left In: -75.789 ± 980.241 χ^2/NDF : 15.4/22

+ sign -755.197 ± 726.374 χ^2/NDF : 65.2/56

All: -752.767 ± 509.903 χ^2/NDF : 117.4/116

- sign -750.407 ± 715.962 χ^2/NDF : 52.2/59

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4855.190+/-0.801 χ^2 /NDF: 3421630.8/31

Left Out: 4063.106+/-0.670 χ^2 /NDF: 1405030.5/24

Right Out: 4463.976+/-0.741 χ^2 /NDF: 6014014.6/36

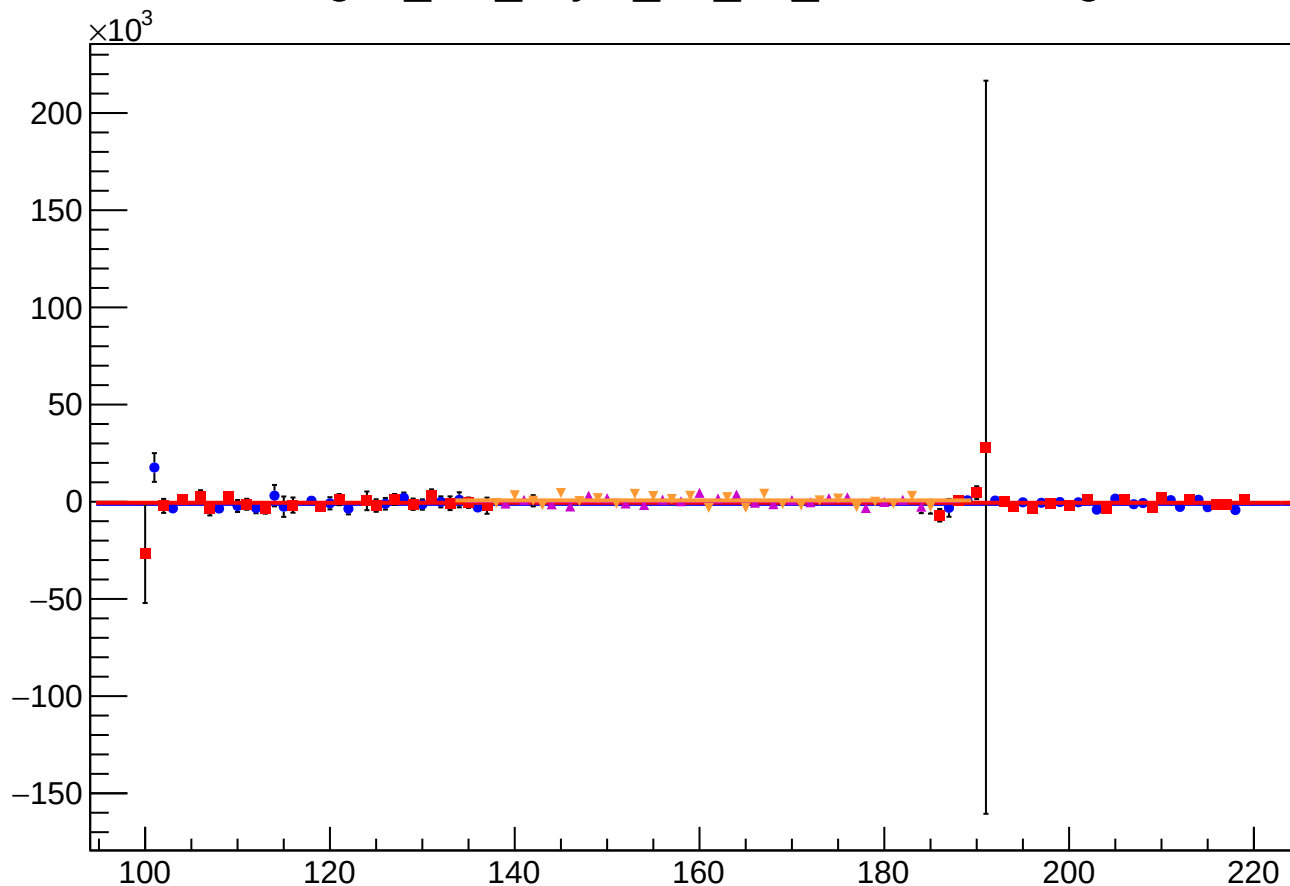
Left In: 4105.050+/-0.693 χ^2 /NDF: 1359501.9/22

+ sign 4389.051+/-0.514 χ^2 /NDF: 5402591.6/56

All: 4329.933+/-0.361 χ^2 /NDF: 12927324.7/1

- sign 4272.498+/-0.506 χ^2 /NDF: 7498614.2/59

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1095.267 ± 433.047 χ^2/NDF : 24.9/31

Left Out: 705.801 ± 415.383 χ^2/NDF : 31.9/24

Right Out: -528.527 ± 422.197 χ^2/NDF : 27.6/36

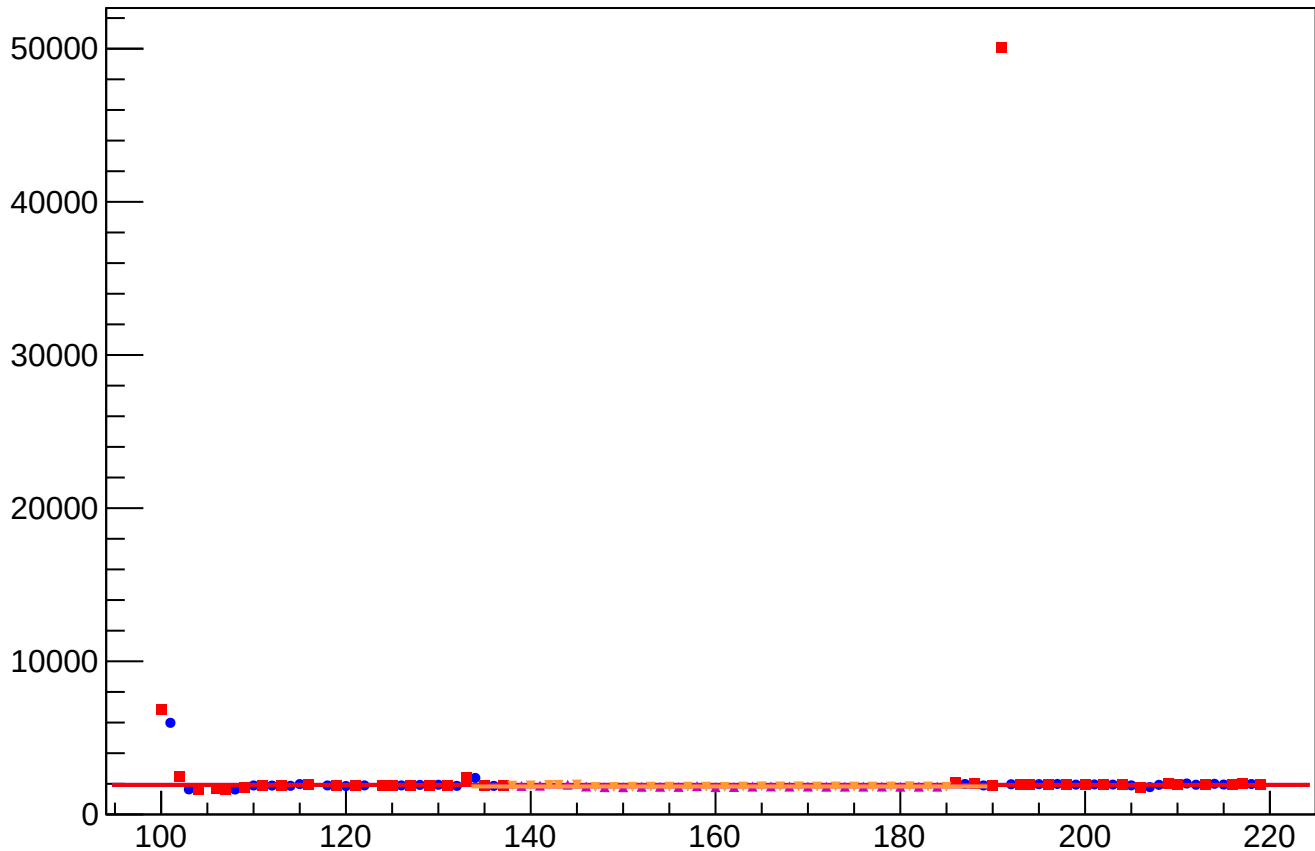
Left In: 402.981 ± 426.215 χ^2/NDF : 20.8/22

+ sign -157.253 ± 299.770 χ^2/NDF : 65.8/56

All: -112.246 ± 212.033 χ^2/NDF : 116.6/116

- sign -67.184 ± 299.949 χ^2/NDF : 50.8/59

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1929.208+/-0.306 χ^2/NDF : 725608.2/31

Left Out: 1828.243+/-0.294 χ^2/NDF : 19329.0/24

Right Out: 1931.312+/-0.298 χ^2/NDF : 401491.0/36

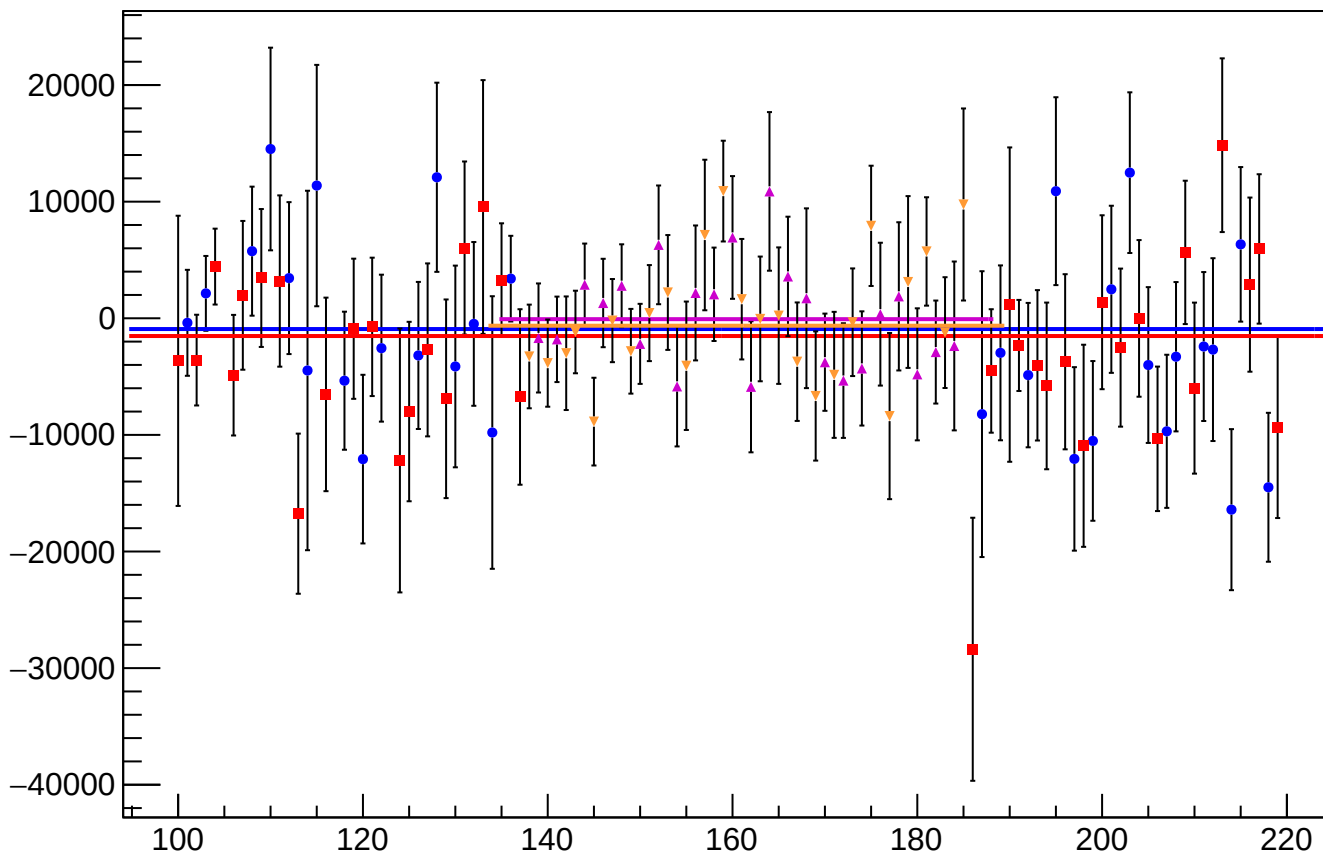
Left In: 1825.165+/-0.301 χ^2/NDF : 13360.2/22

+ sign 1876.624+/-0.212 χ^2/NDF : 801558.7/56

All: 1877.697+/-0.150 χ^2/NDF : 1279107.7/11

- sign 1878.771+/-0.212 χ^2/NDF : 477497.7/59

asym_atr_dd_eigen_cor_correction_mean vs Slug



Right In: -923.203+/-1132.332 χ^2/NDF : 39.2/31

Left Out: -637.720+/-946.866 χ^2/NDF : 26.0/24

Right Out: -1521.836+/-1048.220 χ^2/NDF : 35.7/36

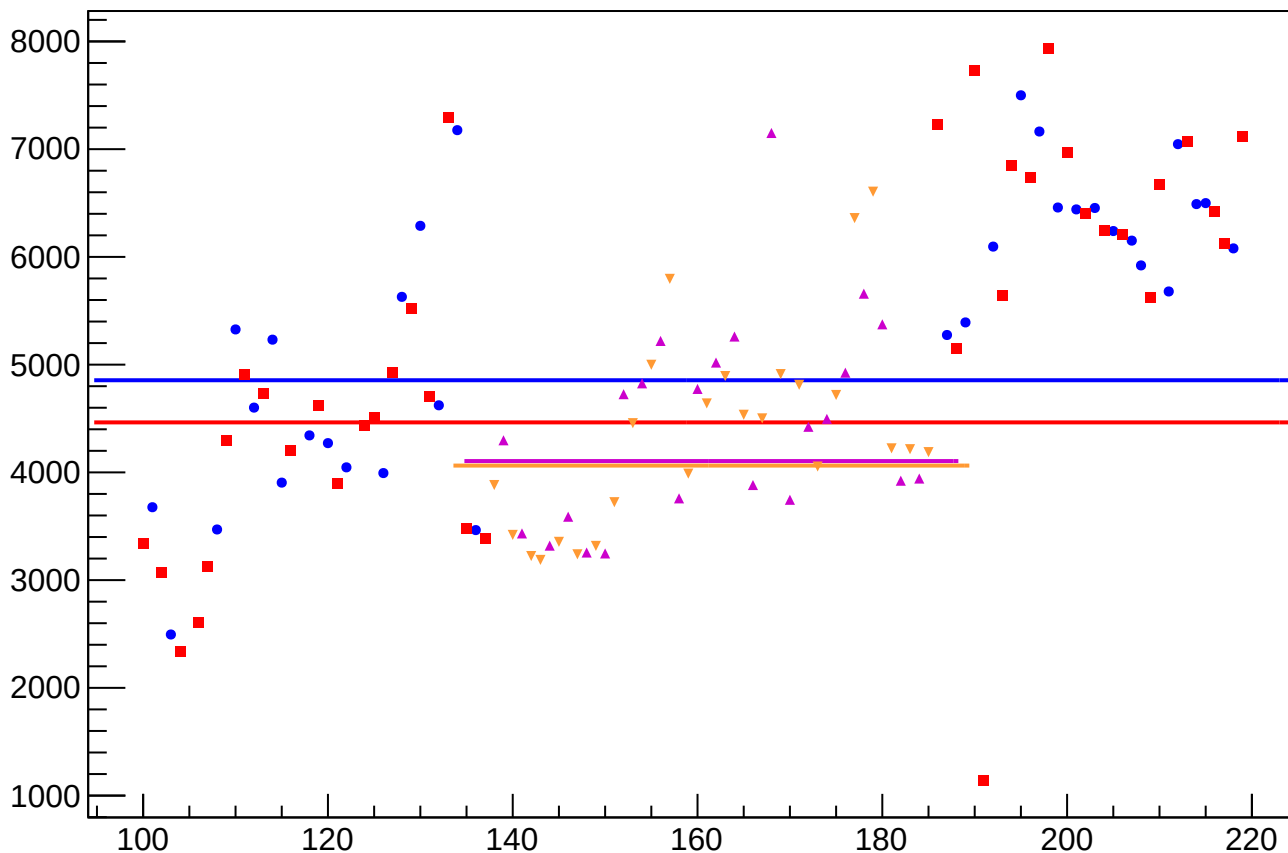
Left In: -75.789+/-980.241 χ^2/NDF : 15.4/22

+ sign -755.197+/-726.374 χ^2/NDF : 65.2/56

All: -752.767+/-509.903 χ^2/NDF : 117.4/116

- sign -750.407+/-715.962 χ^2/NDF : 52.2/59

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4855.190 ± 0.801 χ^2/NDF : 3421630.8/31

Left Out: 4063.106 ± 0.670 χ^2/NDF : 1405030.5/24

Right Out: 4463.976 ± 0.741 χ^2/NDF : 6014014.6/36

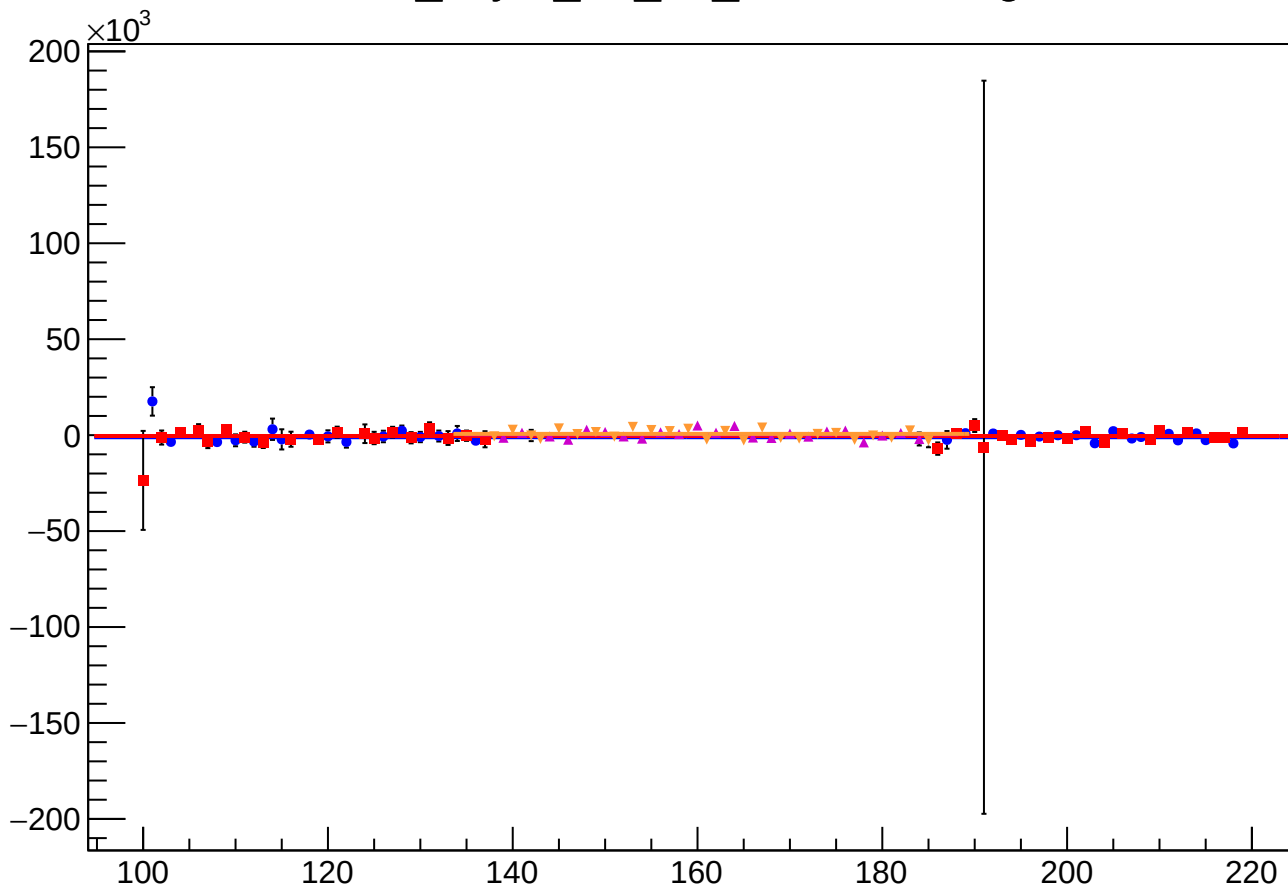
Left In: 4105.050 ± 0.693 χ^2/NDF : 1359501.9/22

+ sign 4389.051 ± 0.514 χ^2/NDF : 5402591.6/56

All: 4329.933 ± 0.361 χ^2/NDF : 12927324.7/1

- sign 4272.498 ± 0.506 χ^2/NDF : 7498614.2/59

dit_asym_atr_dd_mean vs Slug



Right In: -1087.152 ± 436.272 χ^2/NDF : 26.1/31

Left Out: 657.616 ± 423.063 χ^2/NDF : 27.0/24

Right Out: -442.698 ± 425.671 χ^2/NDF : 29.8/36

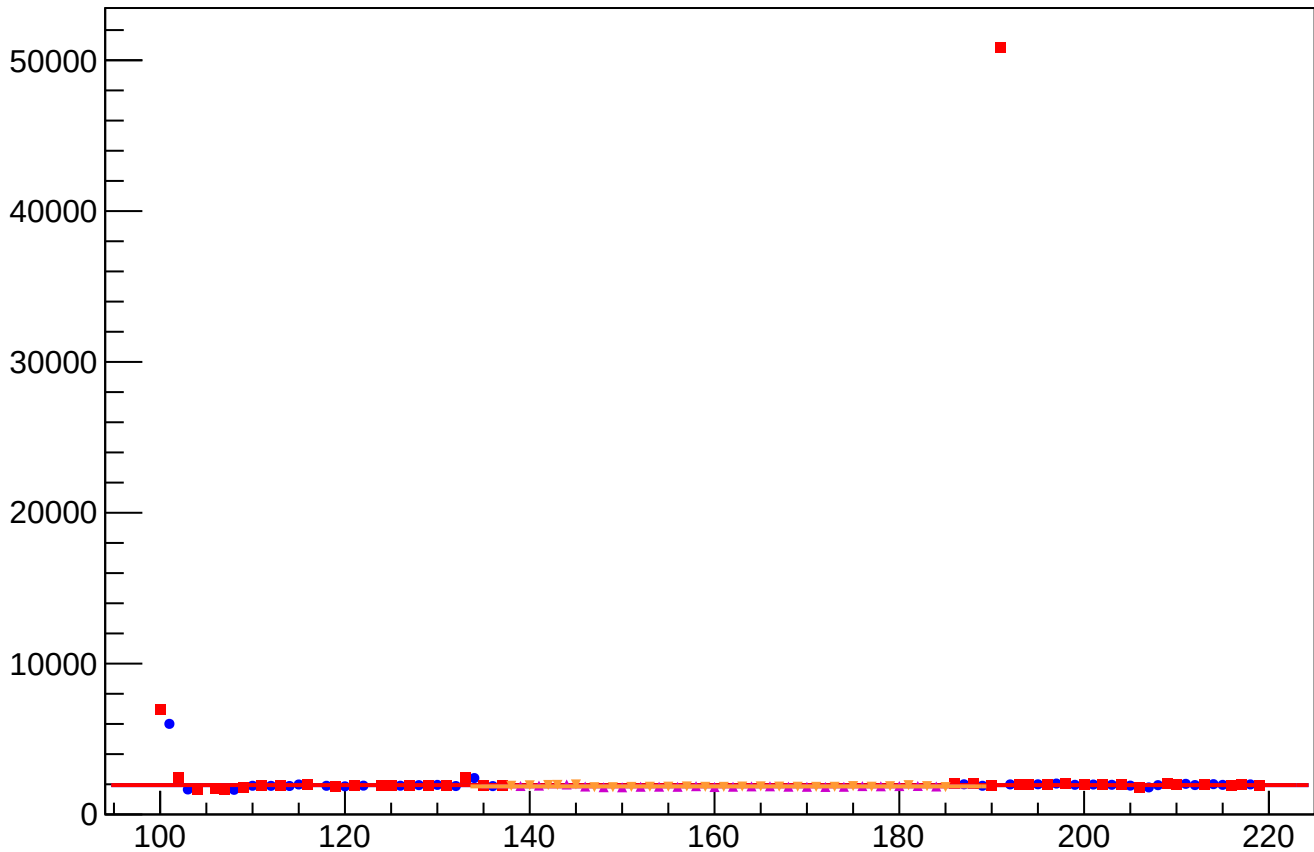
Left In: 410.869 ± 433.856 χ^2/NDF : 23.6/22

+ sign -187.955 ± 303.713 χ^2/NDF : 61.4/56

All: -106.034 ± 214.805 χ^2/NDF : 116.9/116

- sign -24.042 ± 303.847 χ^2/NDF : 55.4/59

dit_asym_atr_dd_rms vs Slug



Right In: 1943.464+/-0.308 χ^2/NDF : 727571.5/31

Left Out: 1861.731+/-0.299 χ^2/NDF : 26014.9/24

Right Out: 1946.781+/-0.301 χ^2/NDF : 409179.2/36

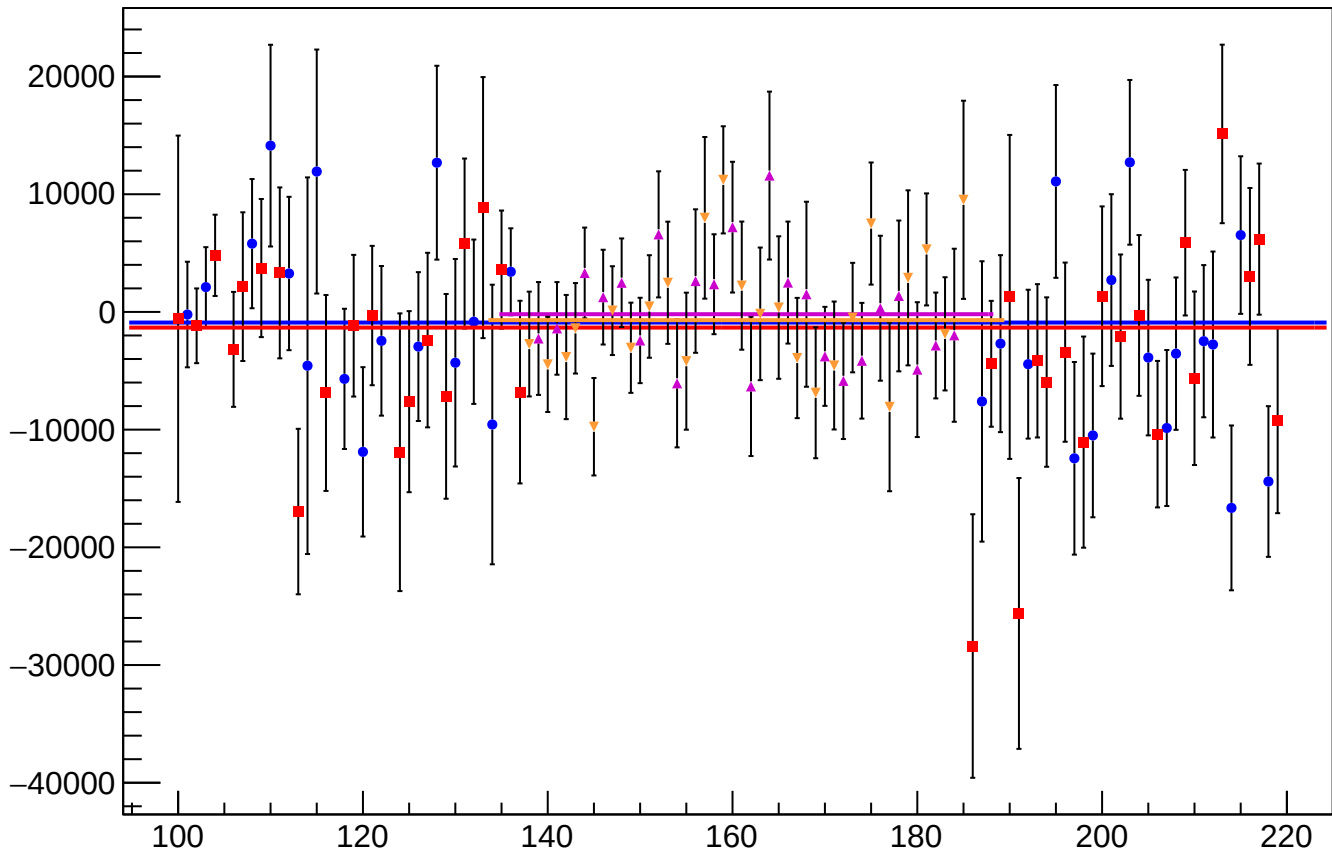
Left In: 1857.661+/-0.307 χ^2/NDF : 16381.0/22

+ sign 1901.341+/-0.215 χ^2/NDF : 789763.4/56

All: 1902.214+/-0.152 χ^2/NDF : 1258371.1/11

- sign 1903.086+/-0.215 χ^2/NDF : 468574.7/59

asym_atr_dd_dit_correction_mean vs Slug



Right In: -902.029+/-1145.645 χ^2/NDF : 39.1/31

Left Out: -698.287+/-990.035 χ^2/NDF : 25.3/24

Right Out: -1329.803+/-1074.842 χ^2/NDF : 39.3/36

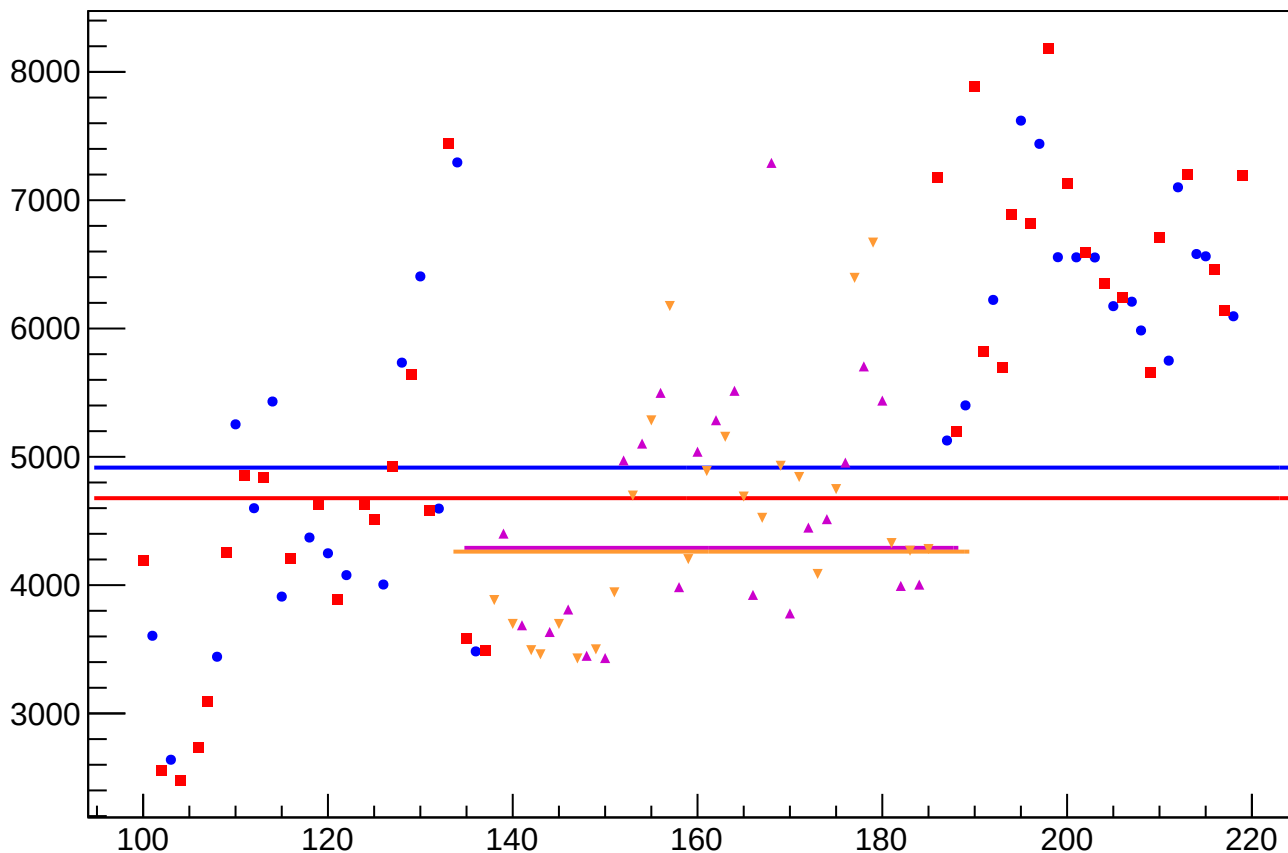
Left In: -192.486+/-1022.469 χ^2/NDF : 15.2/22

+ sign -785.391+/-749.082 χ^2/NDF : 64.4/56

All: -758.784+/-526.735 χ^2/NDF : 119.5/116

- sign -732.762+/-740.818 χ^2/NDF : 55.1/59

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4915.998+/-0.810 χ^2/NDF : 3331429.2/31

Left Out: 4261.124+/-0.700 χ^2/NDF :1190561.4/24

Right Out: 4677.740+/-0.760 χ^2/NDF : 4896075.0/36

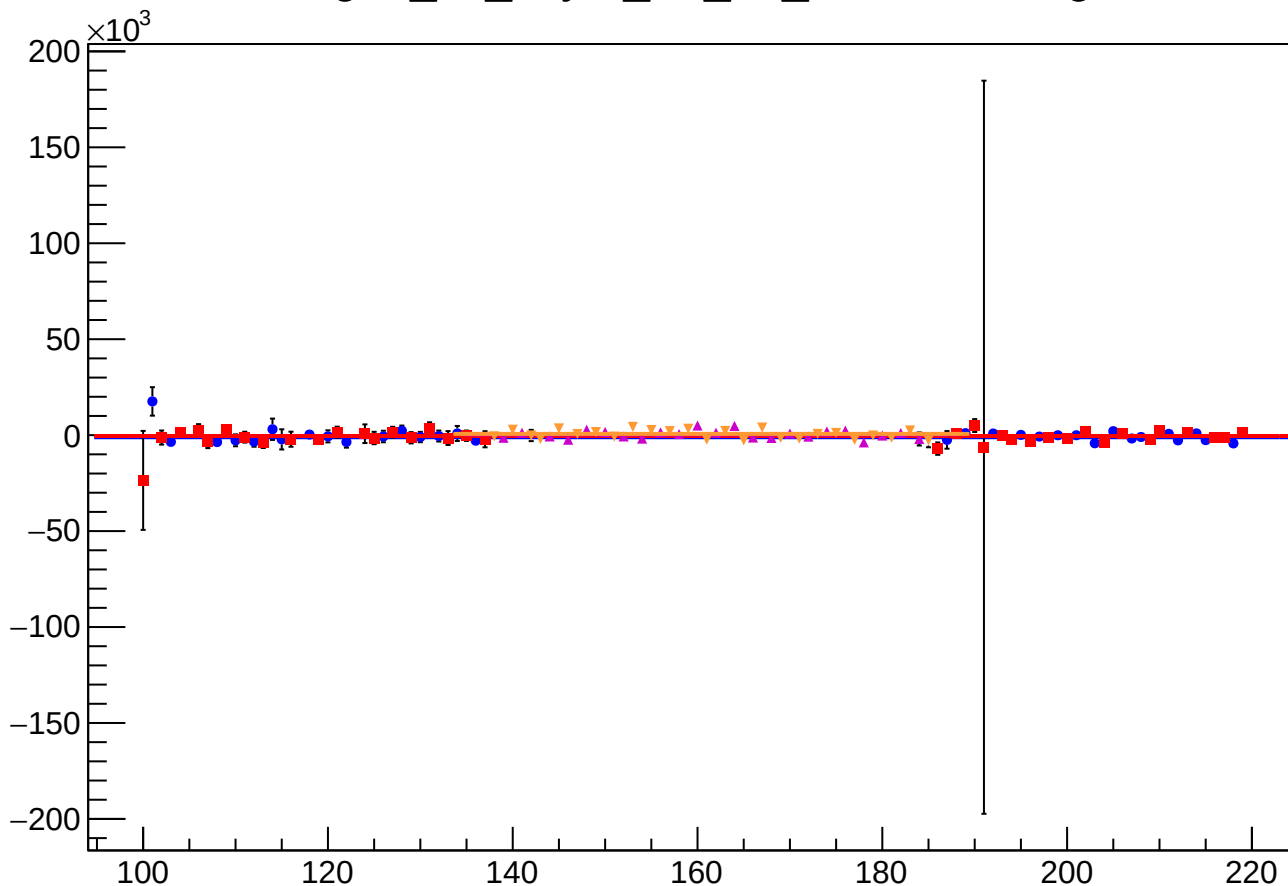
Left In: 4290.398+/-0.723 χ^2/NDF :1213964.7/22

+ sign 4541.097+/-0.530 χ^2/NDF : 4896104.7/56

All: 4507.380+/-0.372 χ^2/NDF : 11150509.0/101

- sign 4474.403+/-0.524 χ^2/NDF : 6246389.0/59

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1087.146 ± 436.272 χ^2/NDF : 26.1/31

Left Out: 657.622 ± 423.063 χ^2/NDF : 27.0/24

Right Out: -442.694 ± 425.671 χ^2/NDF : 29.8/36

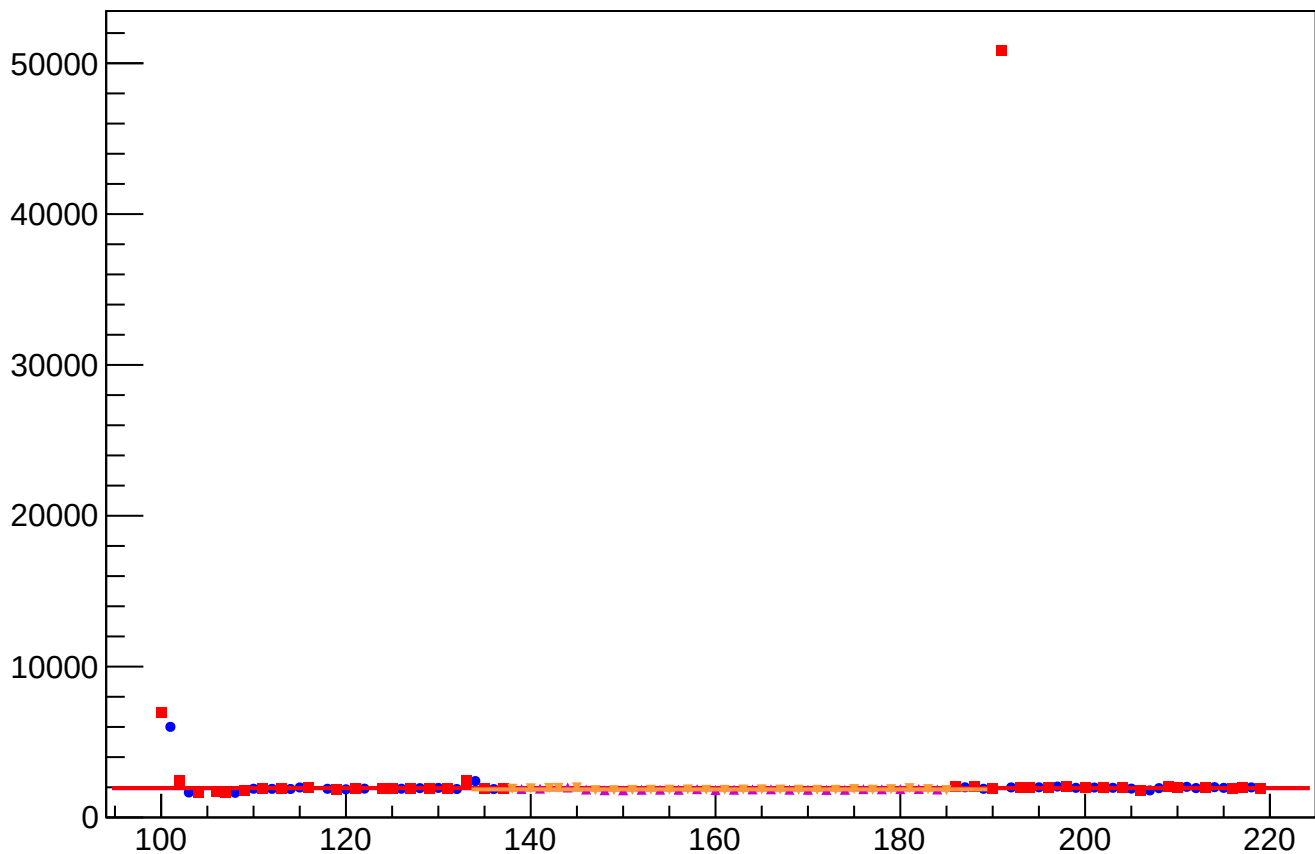
Left In: 410.869 ± 433.856 χ^2/NDF : 23.6/22

+ sign -187.950 ± 303.713 χ^2/NDF : 61.4/56

All: -106.031 ± 214.805 χ^2/NDF : 116.9/116

- sign -24.040 ± 303.847 χ^2/NDF : 55.4/59

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1943.464+/-0.308 χ^2/NDF : 727571.4/31

Left Out: 1861.731+/-0.299 χ^2/NDF : 26014.9/24

Right Out: 1946.781+/-0.301 χ^2/NDF : 409179.4/36

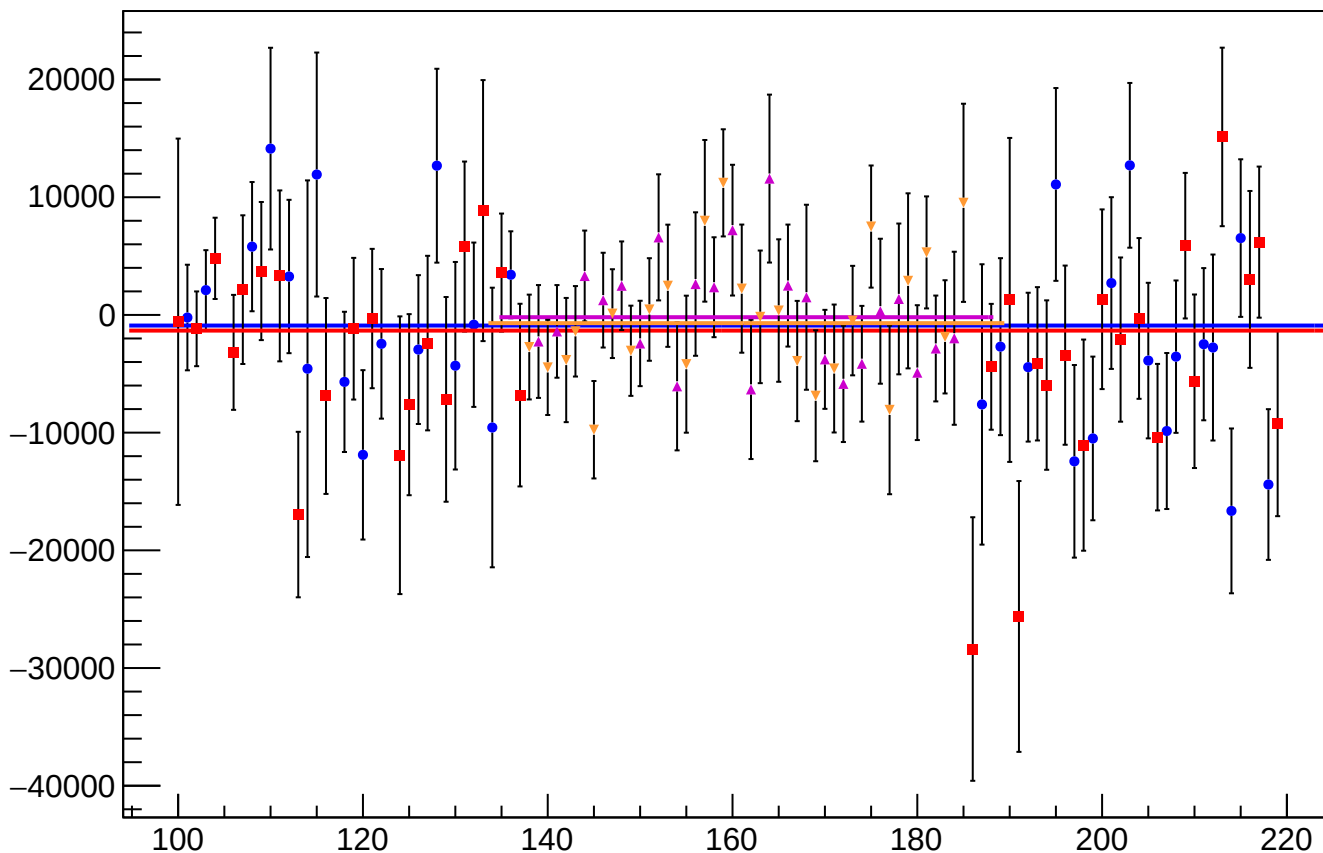
Left In: 1857.661+/-0.307 χ^2/NDF : 16380.9/22

+ sign 1901.342+/-0.215 χ^2/NDF : 789762.7/56

All: 1902.214+/-0.152 χ^2/NDF : 1258370.0/11

- sign 1903.087+/-0.215 χ^2/NDF : 468574.3/59

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: -902.035 ± 1145.645 χ^2/NDF : 39.1/31

Left Out: -698.285 ± 990.036 χ^2/NDF : 25.3/24

Right Out: -1329.799 ± 1074.842 χ^2/NDF : 39.3/36

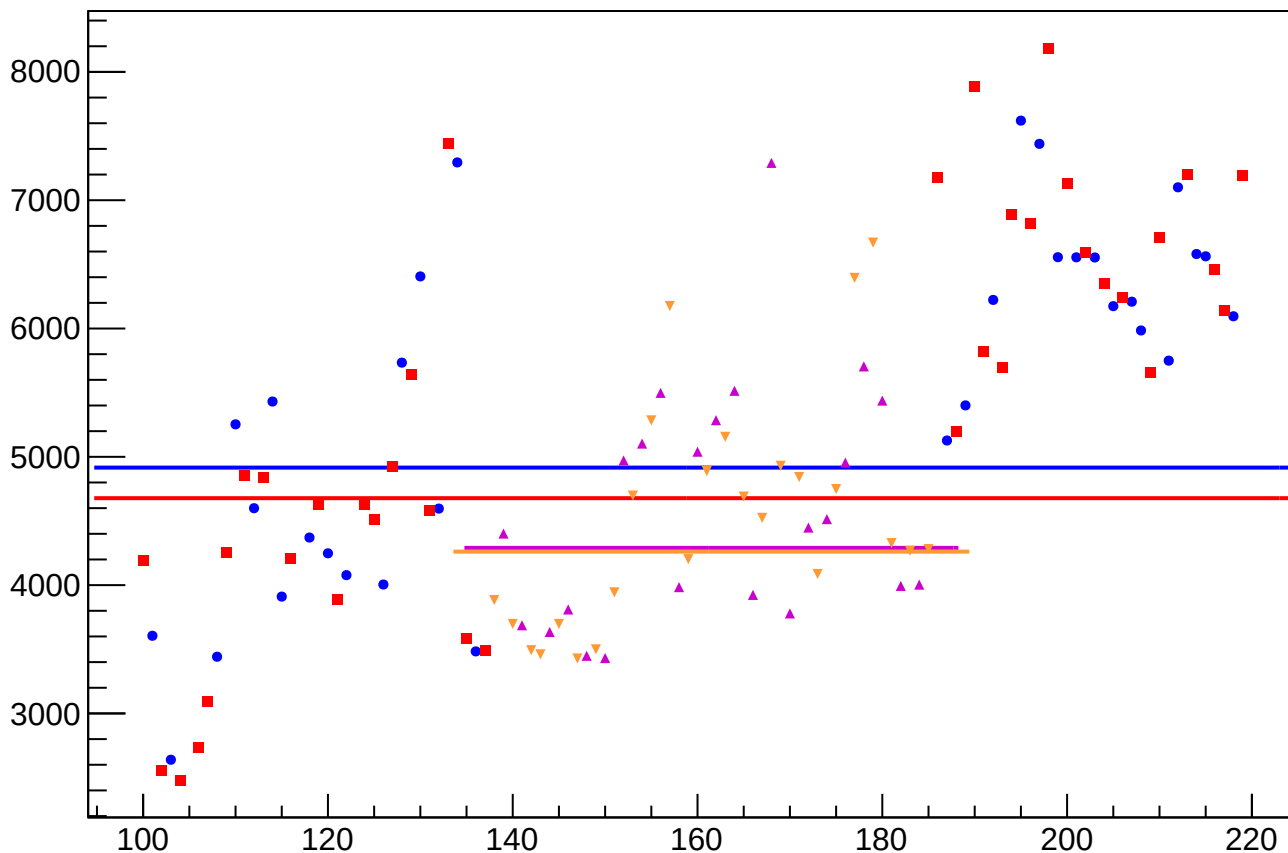
Left In: -192.488 ± 1022.471 χ^2/NDF : 15.2/22

+ sign -785.393 ± 749.083 χ^2/NDF : 64.4/56

All: -758.786 ± 526.736 χ^2/NDF : 119.5/116

- sign -732.762 ± 740.819 χ^2/NDF : 55.1/59

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4915.997 $\pm$ 0.810 χ^2 /NDF: 3331437.8/31

Left Out: 4261.131 $\pm$ 0.700 χ^2 /NDF:1190564.2/24

Right Out: 4677.738 $\pm$ 0.760 χ^2 /NDF: 4896085.0/36

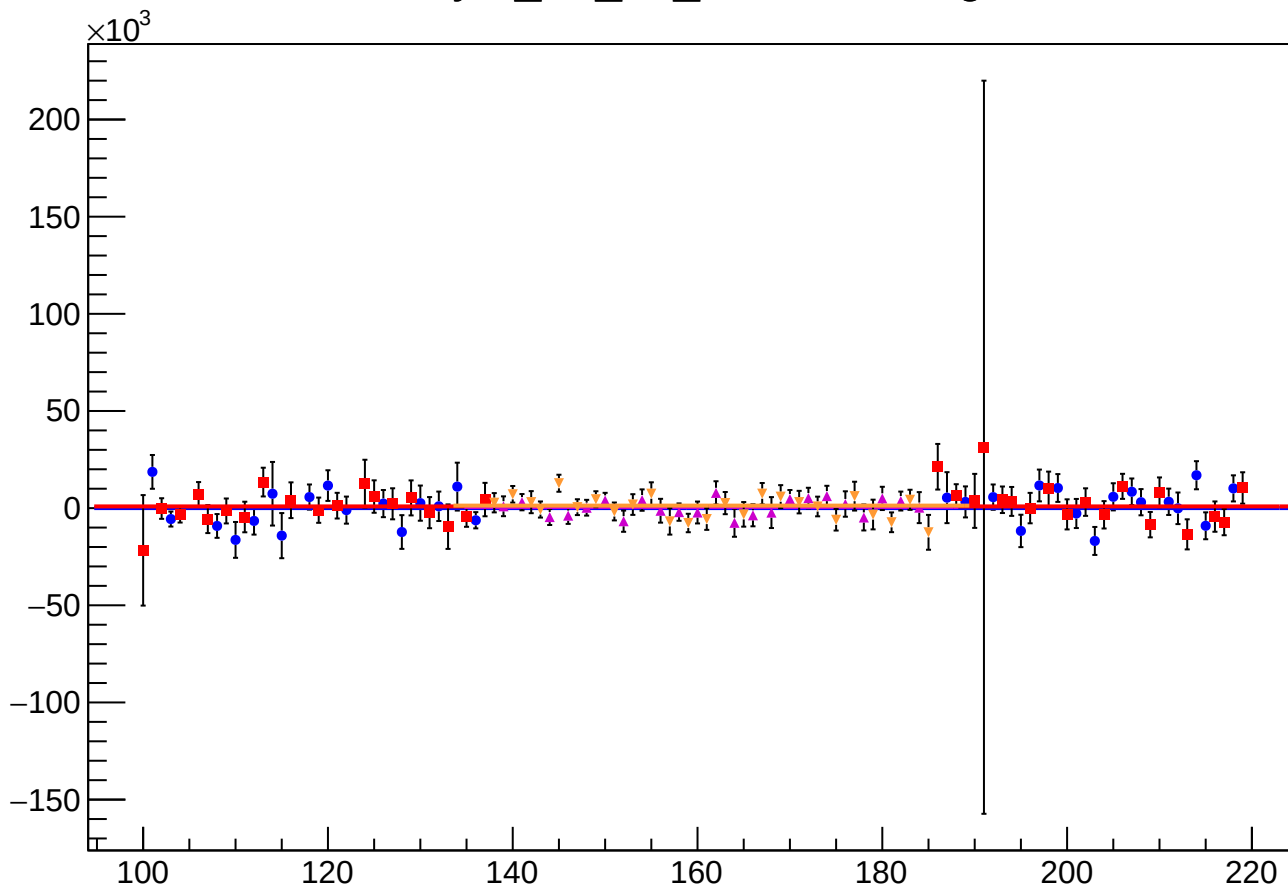
Left In: 4290.404 $\pm$ 0.723 χ^2 /NDF:1213970.5/22

+ sign 4541.102 $\pm$ 0.530 χ^2 /NDF: 4896106.8/56

All: 4507.383 $\pm$ 0.372 χ^2 /NDF: 11150521.1/100

- sign 4474.405 $\pm$ 0.524 χ^2 /NDF: 6246398.8/59

asym_atr_dd_mean vs Slug



Right In: 27.182 ± 1257.787 χ^2/NDF : 47.9/31

Left Out: 1298.373 ± 1049.555 χ^2/NDF : 28.5/24

Right Out: 889.601 ± 1210.182 χ^2/NDF : 29.3/36

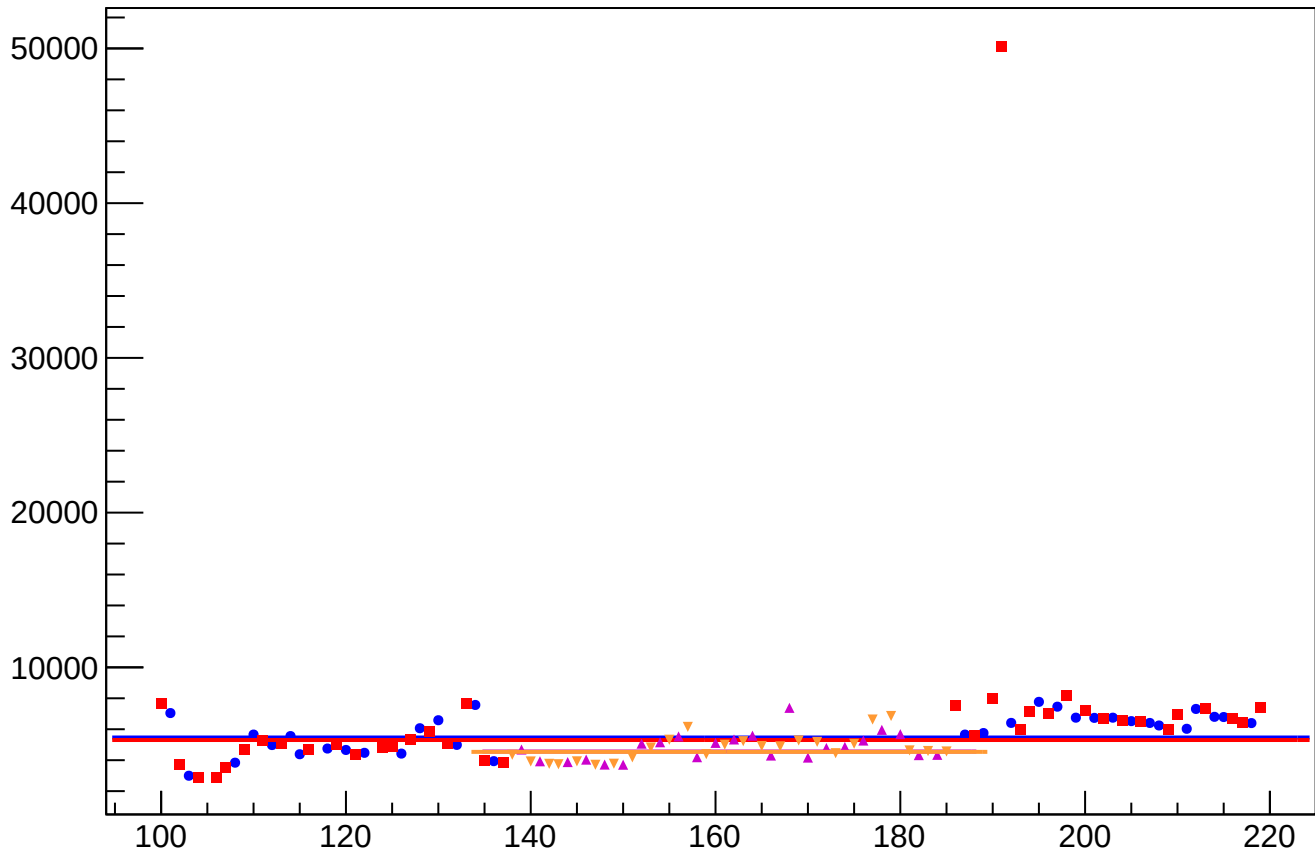
Left In: 576.442 ± 1082.127 χ^2/NDF : 14.4/22

+ sign 776.572 ± 805.849 χ^2/NDF : 76.9/56

All: 746.108 ± 570.110 χ^2/NDF : 120.7/116

- sign 715.582 ± 806.667 χ^2/NDF : 43.8/59

asym_atr_dd_rms vs Slug



Right In: 5465.849 $\pm$ 0.889 χ^2 /NDF: 2468312.4/31

Left Out: 4537.934 $\pm$ 0.742 χ^2 /NDF:992905.4/24

Right Out: 5303.766 $\pm$ 0.852 χ^2 /NDF: 3339046.7/36

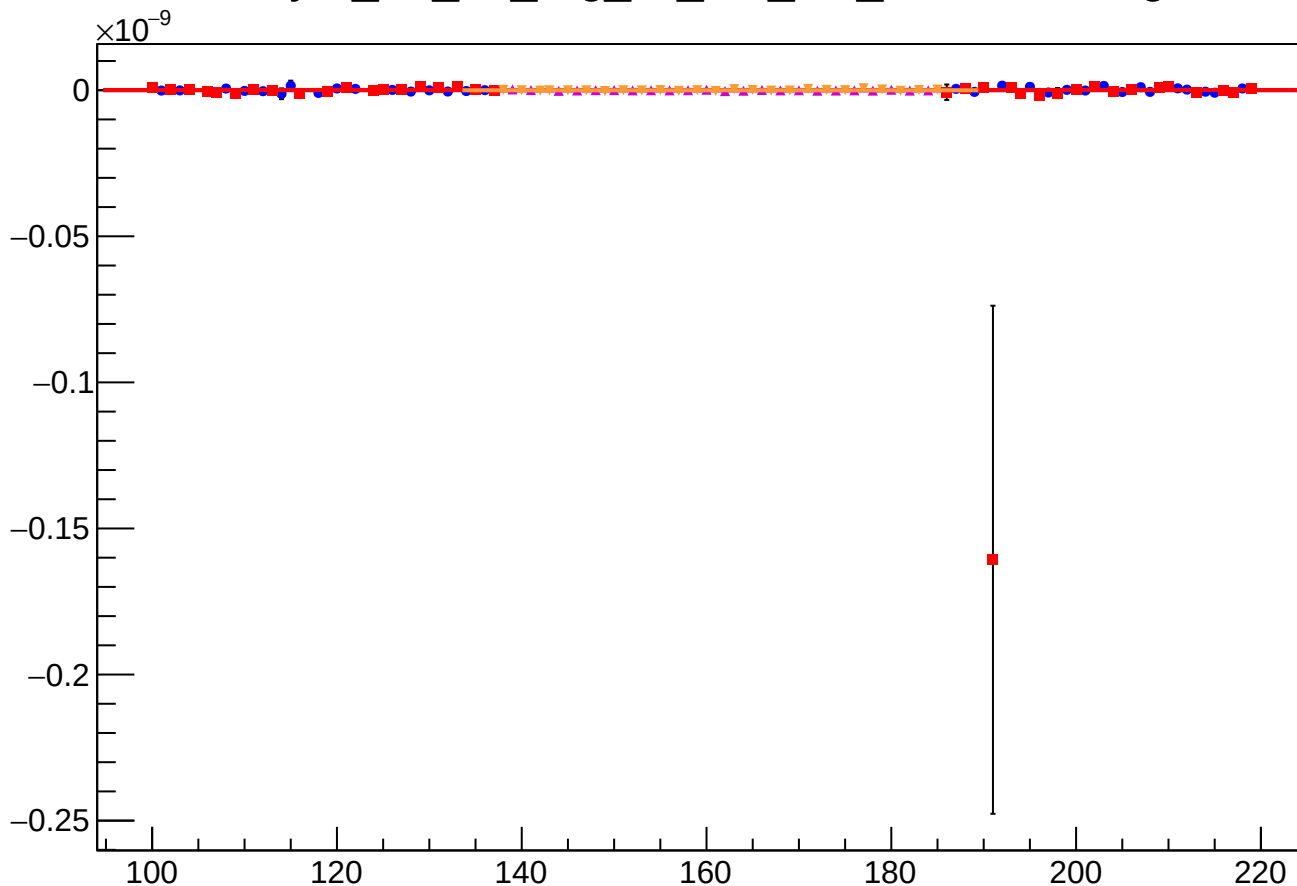
Left In: 4560.506 $\pm$ 0.765 χ^2 /NDF:980201.3/22

+ sign 4918.826 $\pm$ 0.570 χ^2 /NDF: 4102913.5/56

All: 4905.612 $\pm$ 0.403 χ^2 /NDF: 8844588.3/11

- sign 4892.424 $\pm$ 0.569 χ^2 /NDF: 4740600.3/59

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 28.7/31

Left Out: -0.000+/-0.000 χ^2/NDF : 37.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 45.3/36

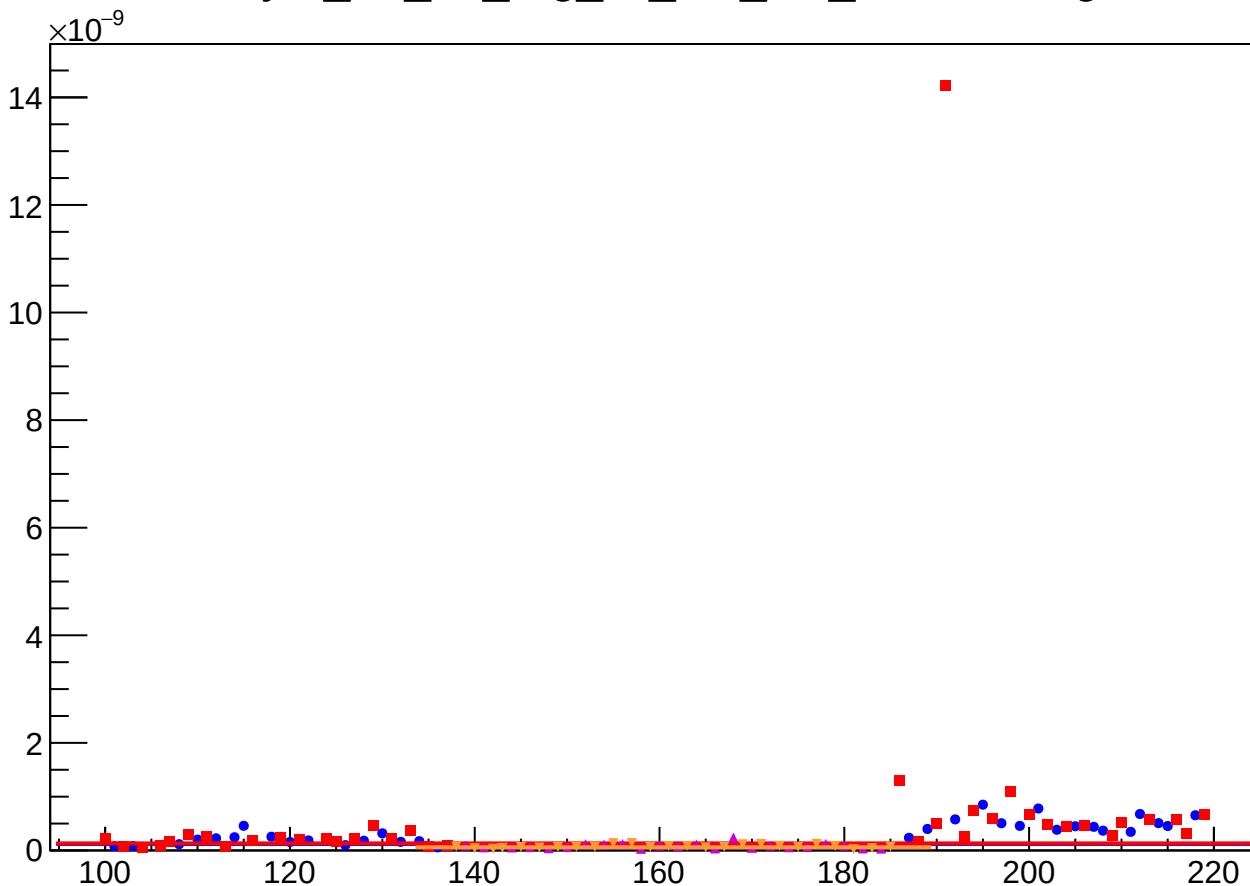
Left In: -0.000+/-0.000 χ^2/NDF : 20.6/22

+ sign -0.000+/-0.000 χ^2/NDF : 66.8/56

All: -0.000+/-0.000 χ^2/NDF : 135.4/116

- sign 0.000+/-0.000 χ^2/NDF : 67.9/59

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8242825.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1934390.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8401012.3/36

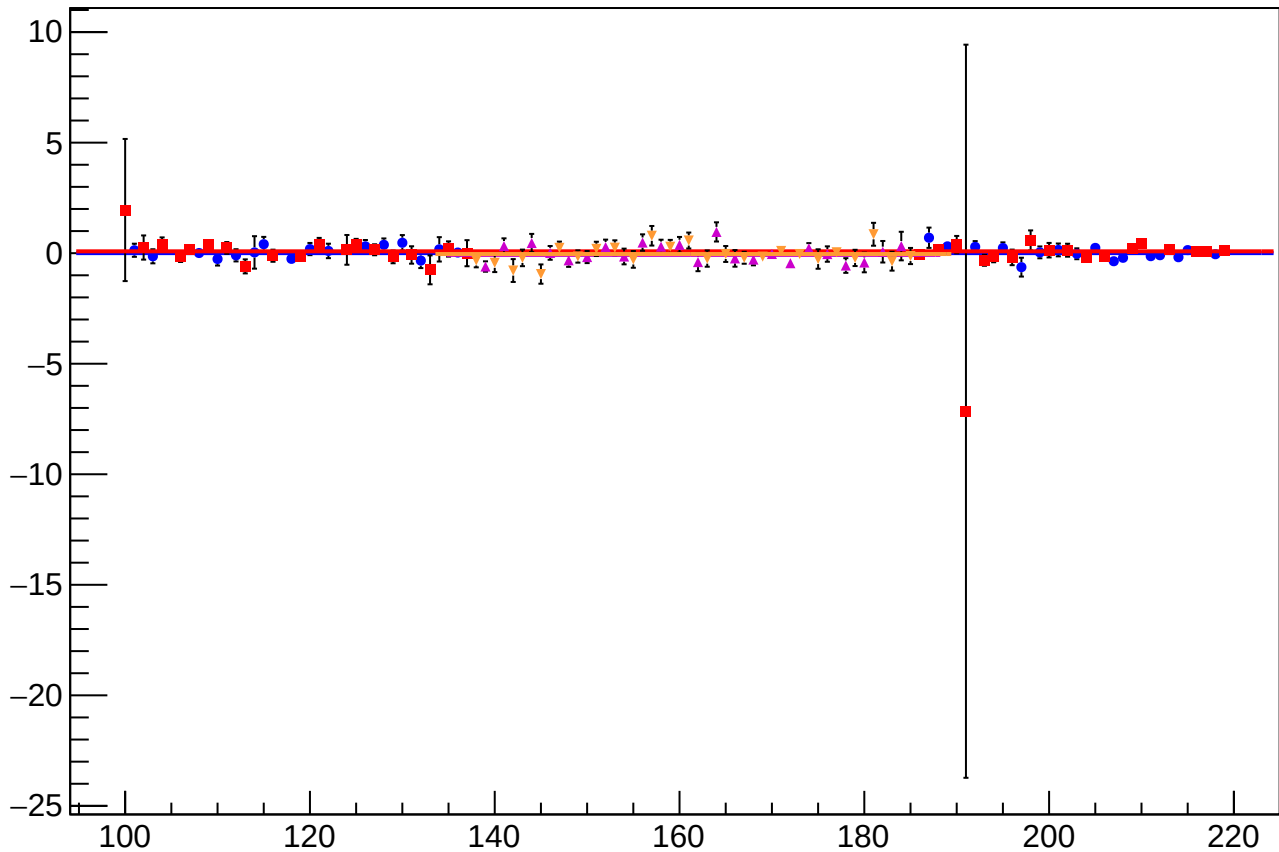
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2104577.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12128518.2/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 24842898.8/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12709749.2/59

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.041 χ^2/NDF : 30.7/31

Left Out: -0.038 ± 0.062 χ^2/NDF : 24.4/24

Right Out: 0.084 ± 0.039 χ^2/NDF : 33.4/36

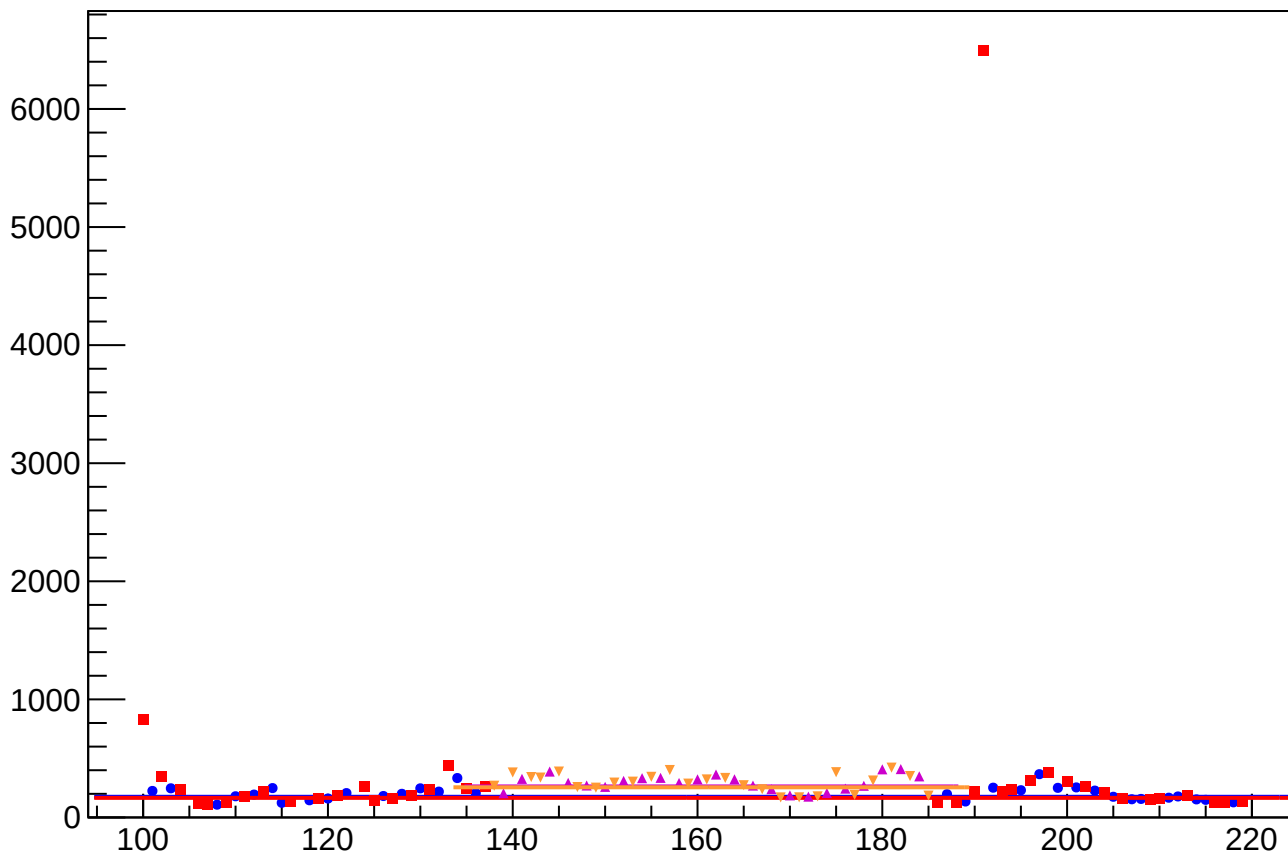
Left In: -0.078 ± 0.065 χ^2/NDF : 31.1/22

+ sign -0.010 ± 0.034 χ^2/NDF : 55.5/56

All: 0.016 ± 0.024 χ^2/NDF : 125.7/116

- sign 0.041 ± 0.033 χ^2/NDF : 69.1/59

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 174.999 $\pm$ 0.029 χ^2 /NDF: 2473964.2/31

Left Out: 255.355 $\pm$ 0.044 χ^2 /NDF: 2935324.6/24

Right Out: 165.938 $\pm$ 0.028 χ^2 /NDF: 4097785.8/36

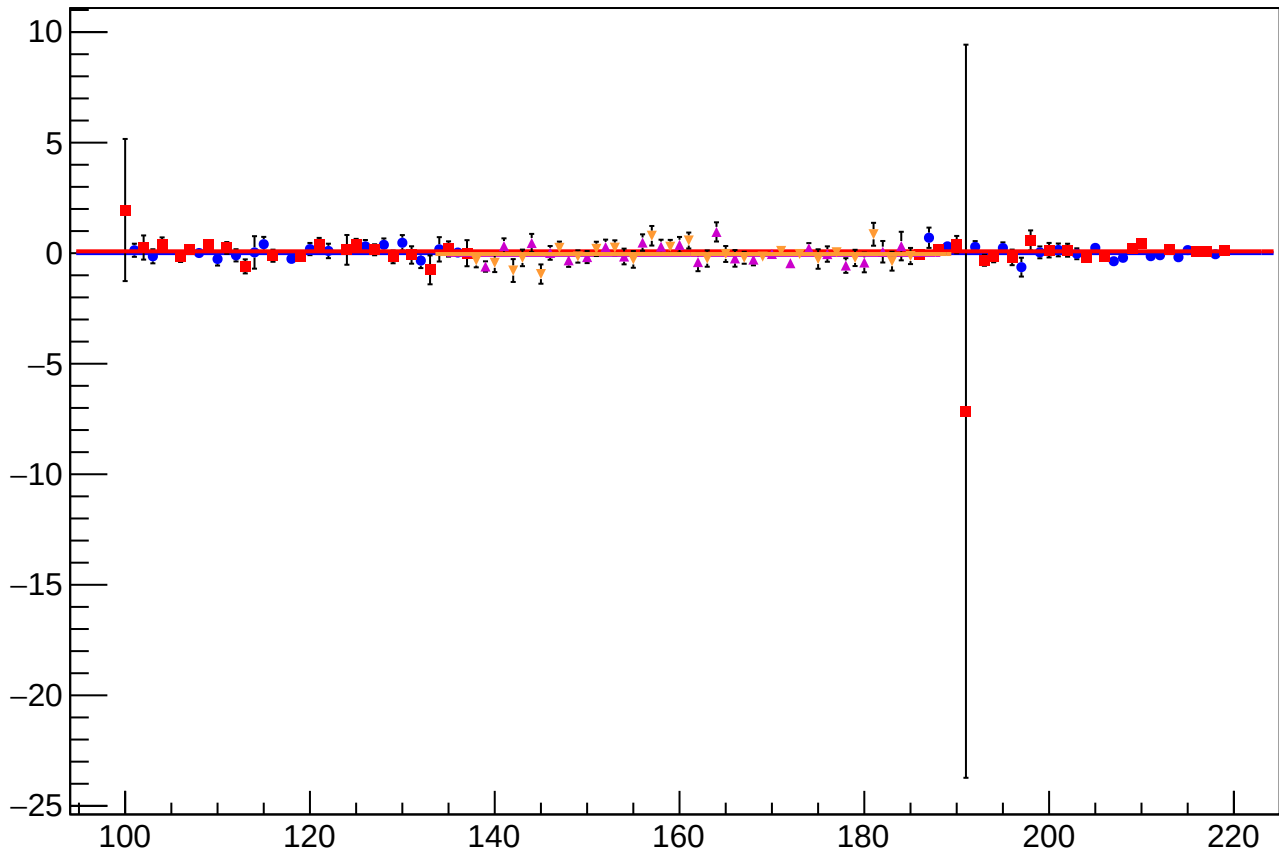
Left In: 262.788 $\pm$ 0.046 χ^2 /NDF: 2025363.4/22

+ sign 199.651 $\pm$ 0.024 χ^2 /NDF: 7744010.7/56

All: 195.517 $\pm$ 0.017 χ^2 /NDF: 17199136.2/11

- sign 191.597 $\pm$ 0.024 χ^2 /NDF: 9398509.0/59

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.041 χ^2/NDF : 30.7/31

Left Out: -0.038 ± 0.062 χ^2/NDF : 24.4/24

Right Out: 0.084 ± 0.039 χ^2/NDF : 33.4/36

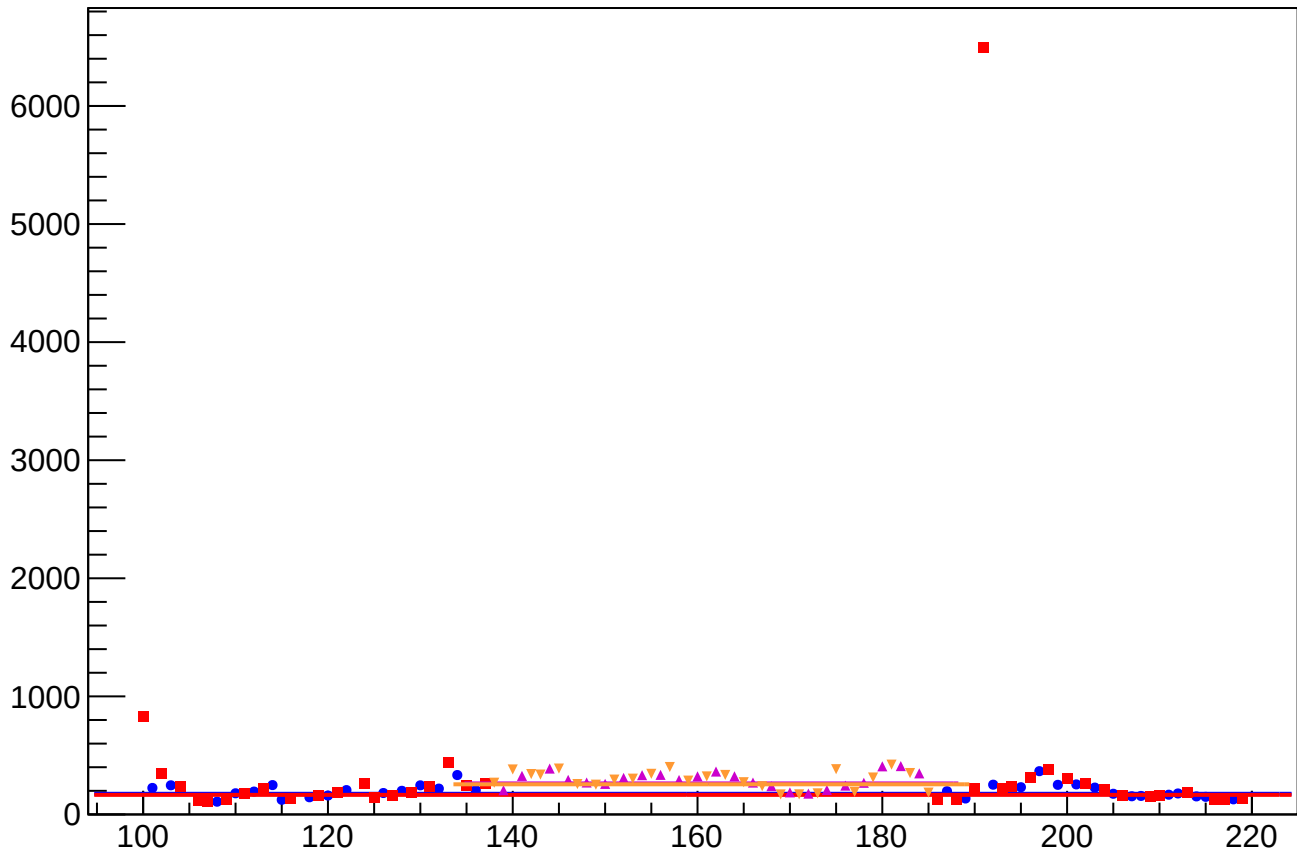
Left In: -0.078 ± 0.065 χ^2/NDF : 31.1/22

+ sign -0.010 ± 0.034 χ^2/NDF : 55.5/56

All: 0.016 ± 0.024 χ^2/NDF : 125.7/116

- sign 0.041 ± 0.033 χ^2/NDF : 69.1/59

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 174.999 $\pm$ 0.029 χ^2 /NDF: 2473964.2/31

Left Out: 255.355 $\pm$ 0.044 χ^2 /NDF: 2935324.6/24

Right Out: 165.938 $\pm$ 0.028 χ^2 /NDF: 4097785.8/36

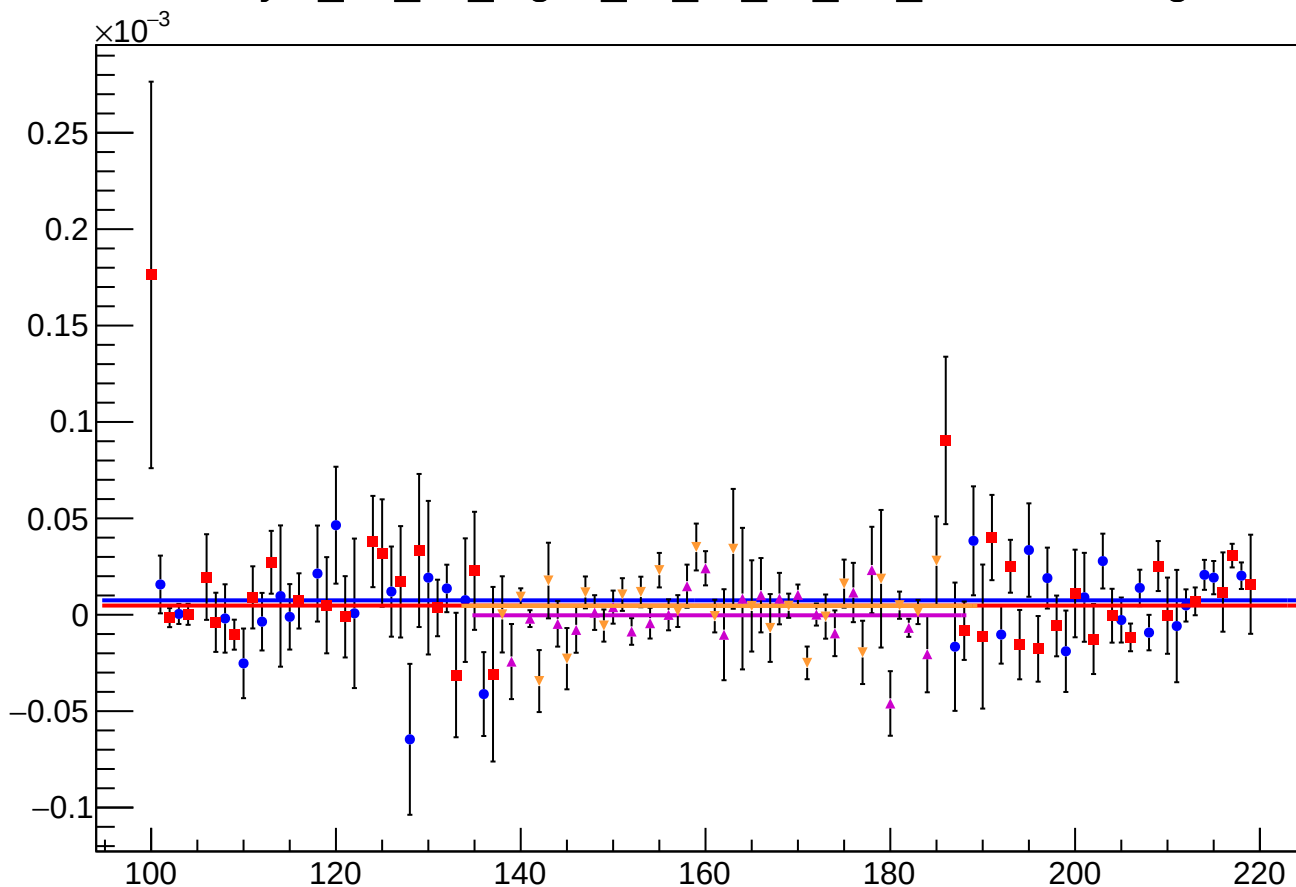
Left In: 262.788 $\pm$ 0.046 χ^2 /NDF: 2025363.4/22

+ sign 199.651 $\pm$ 0.024 χ^2 /NDF: 7744010.7/56

All: 195.517 $\pm$ 0.017 χ^2 /NDF: 17199136.2/1

- sign 191.597 $\pm$ 0.024 χ^2 /NDF: 9398509.0/59

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 38.7/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 43.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 58.0/36

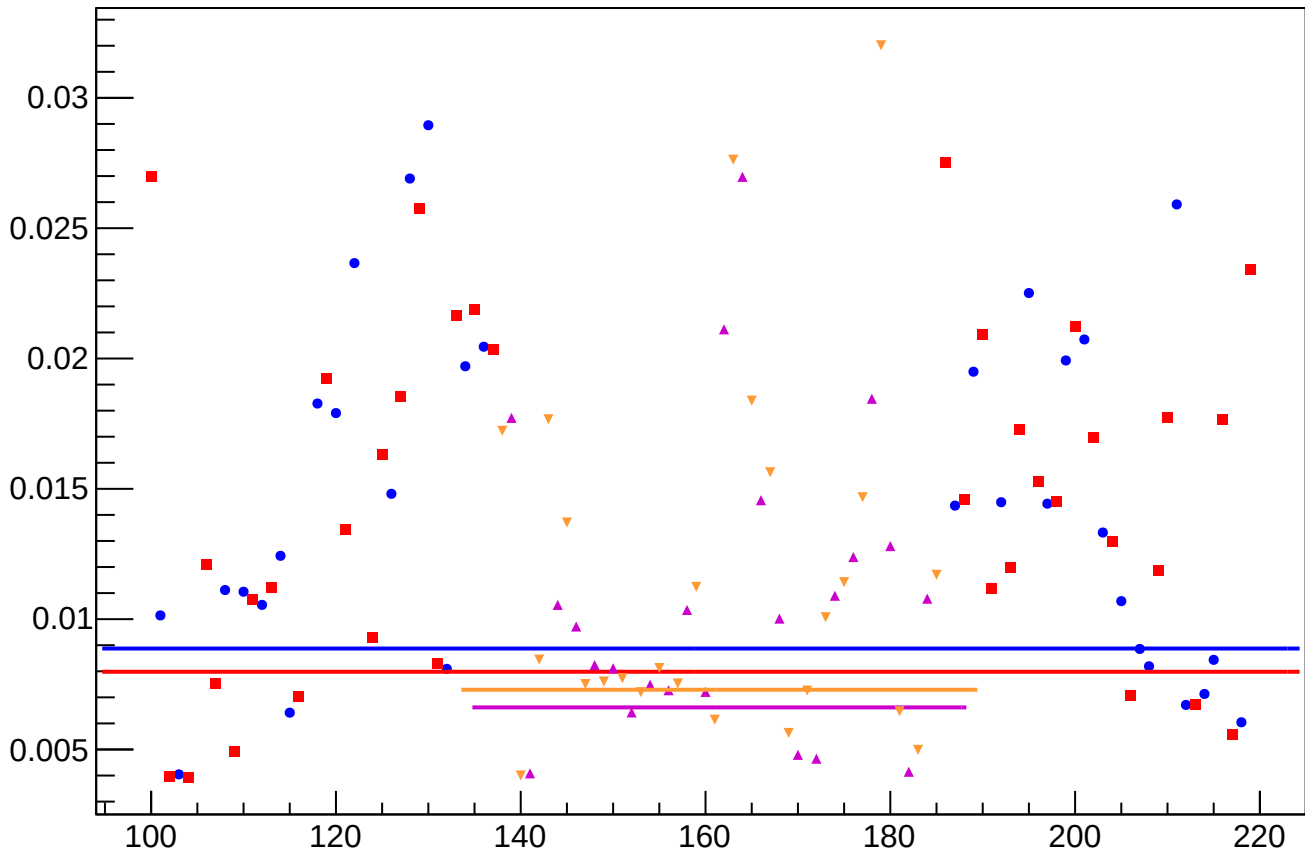
Left In: -0.000 ± 0.000 χ^2/NDF : 31.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 83.0/56

All: 0.000 ± 0.000 χ^2/NDF : 179.4/116

- sign 0.000 ± 0.000 χ^2/NDF : 92.6/59

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 8593758.9/31

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 6772003.6/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 11494380.7/36

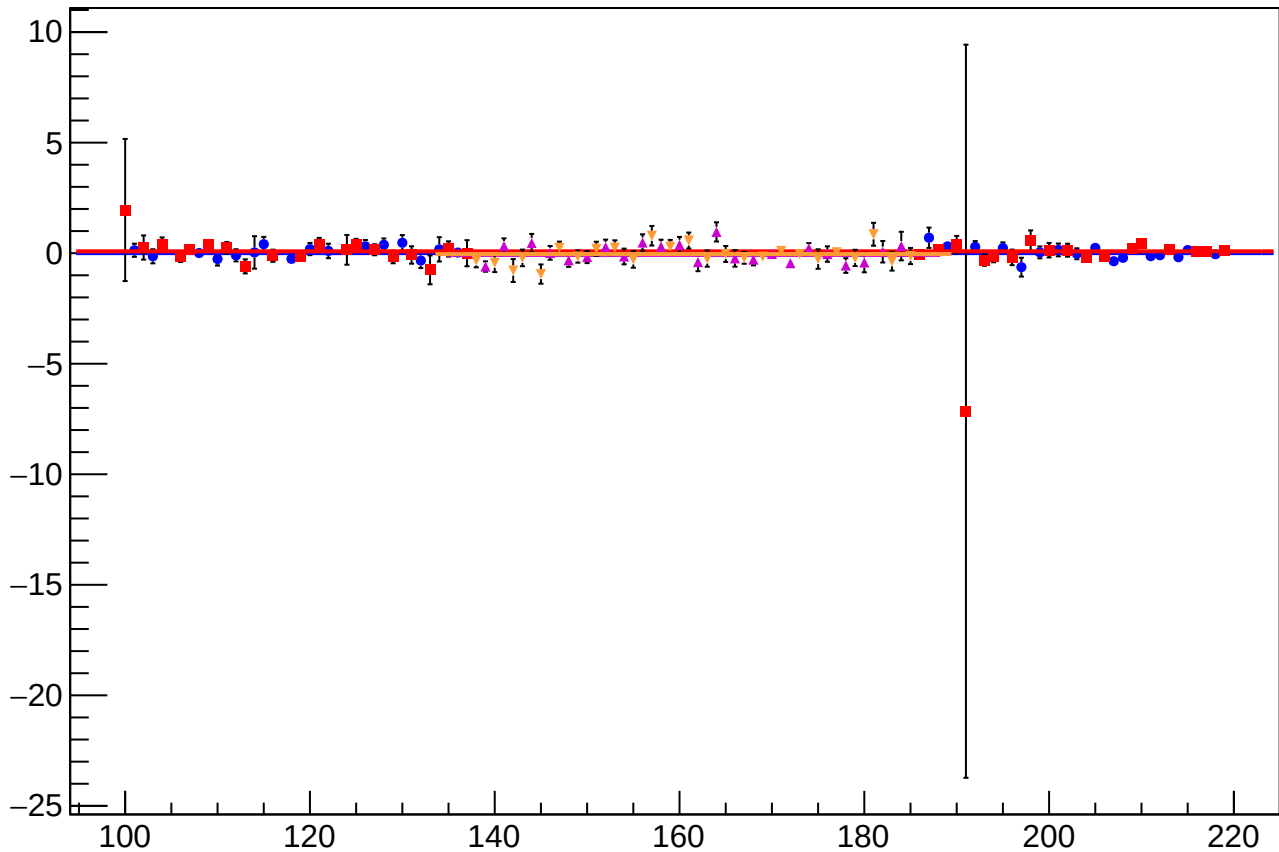
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6410135.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 15936660.8/56

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 34607368.3/116

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 18407237.7/59

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.041 χ^2/NDF : 30.7/31

Left Out: -0.038 ± 0.062 χ^2/NDF : 24.4/24

Right Out: 0.084 ± 0.039 χ^2/NDF : 33.4/36

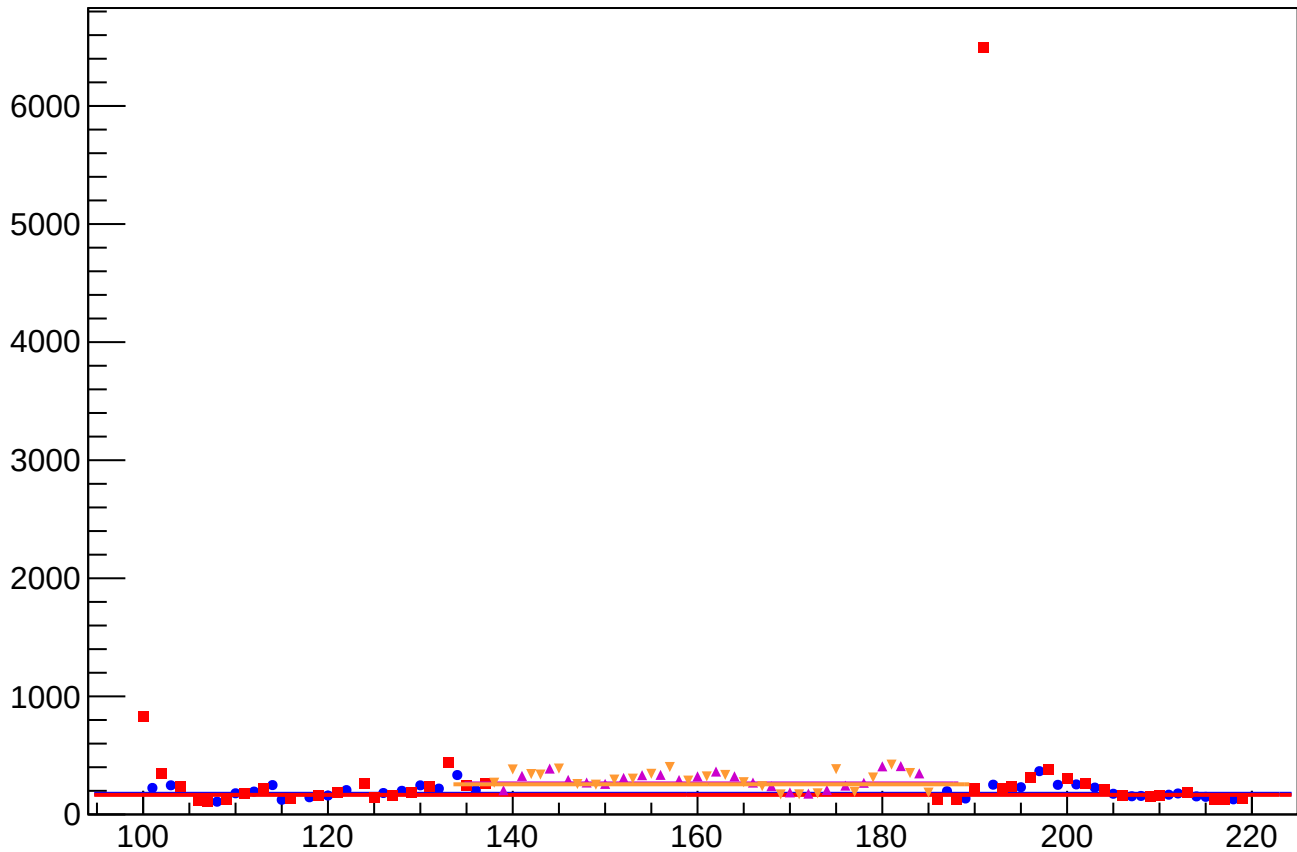
Left In: -0.078 ± 0.065 χ^2/NDF : 31.1/22

+ sign -0.010 ± 0.034 χ^2/NDF : 55.4/56

All: 0.016 ± 0.024 χ^2/NDF : 125.7/116

- sign 0.041 ± 0.033 χ^2/NDF : 69.1/59

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 175.000 ± 0.029 χ^2/NDF : 2473964.3/31

Left Out: 255.357 ± 0.044 χ^2/NDF : 2935428.4/24

Right Out: 165.940 ± 0.028 χ^2/NDF : 4097718.0/36

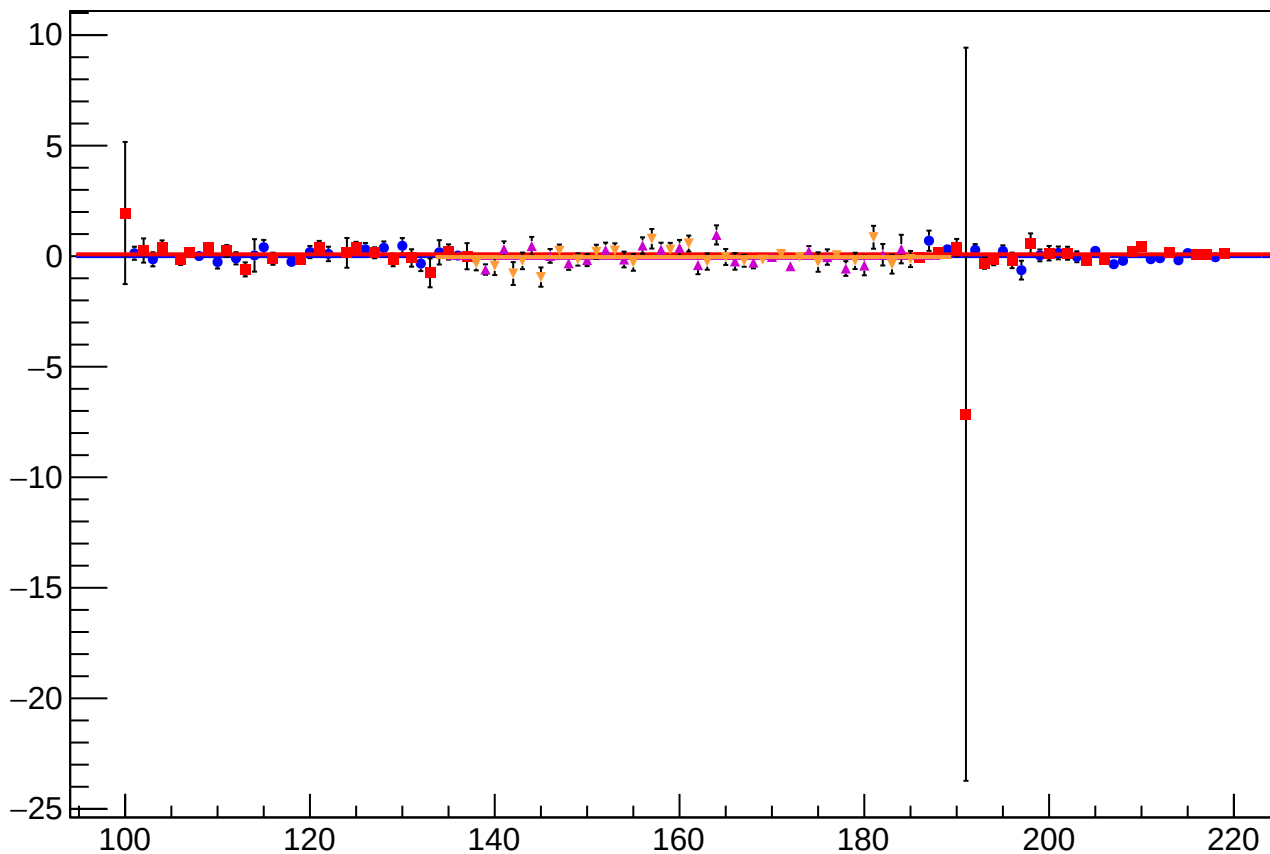
Left In: 262.790 ± 0.046 χ^2/NDF : 2025402.0/22

+ sign 199.652 ± 0.024 χ^2/NDF : 7744178.6/56

All: 195.518 ± 0.017 χ^2/NDF : 17199285.7/11

- sign 191.598 ± 0.024 χ^2/NDF : 9398504.0/59

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.041 χ^2 /NDF: 30.7/31

Left Out: -0.038 $\pm$ 0.062 χ^2 /NDF: 24.4/24

Right Out: 0.084 $\pm$ 0.039 χ^2 /NDF: 33.4/36

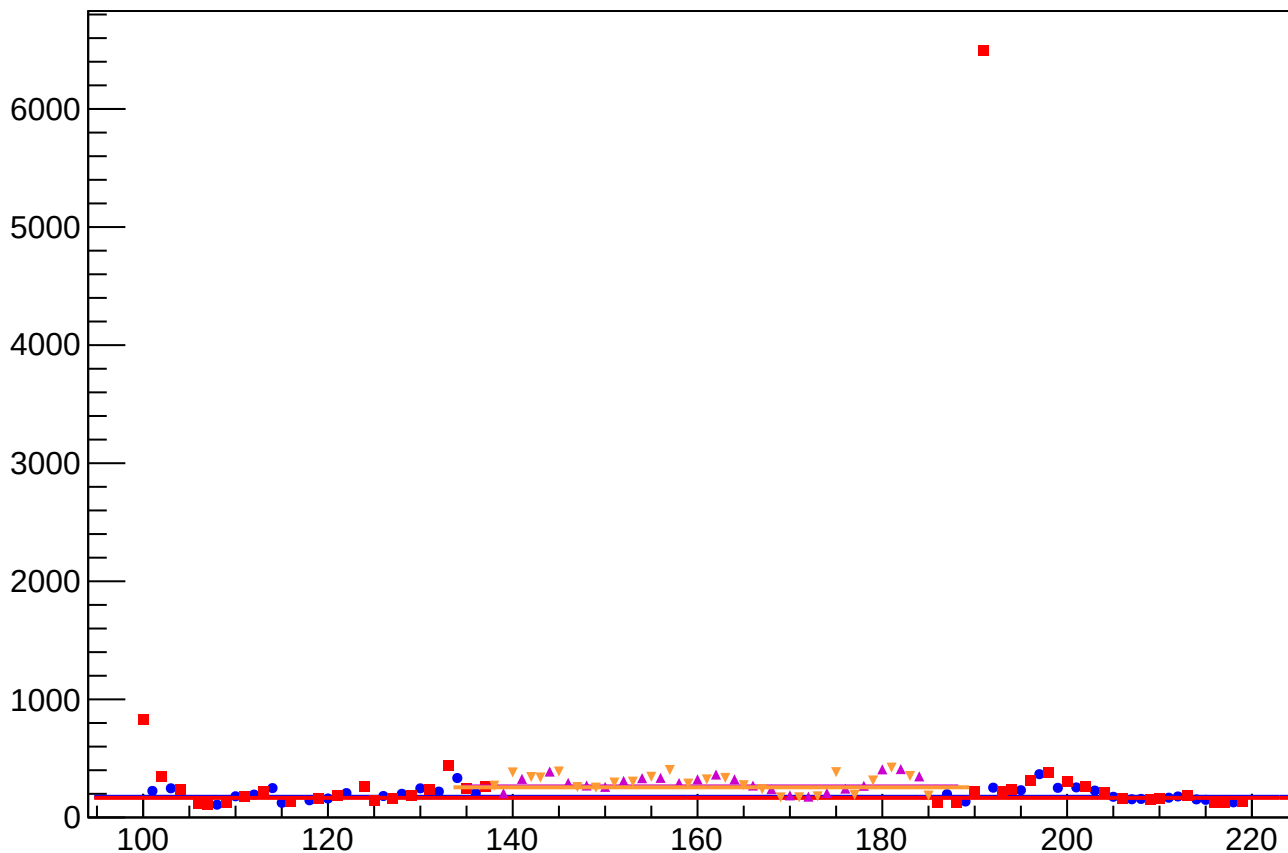
Left In: -0.078 $\pm$ 0.065 χ^2 /NDF: 31.1/22

+ sign -0.010 $\pm$ 0.034 χ^2 /NDF: 55.4/56

All: 0.016 $\pm$ 0.024 χ^2 /NDF: 125.7/116

- sign 0.041 $\pm$ 0.033 χ^2 /NDF: 69.1/59

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 175.000 $\pm$ 0.029 χ^2 /NDF: 2473964.3/31

Left Out: 255.357 $\pm$ 0.044 χ^2 /NDF:2935428.4/24

Right Out: 165.940 $\pm$ 0.028 χ^2 /NDF: 4097718.0/36

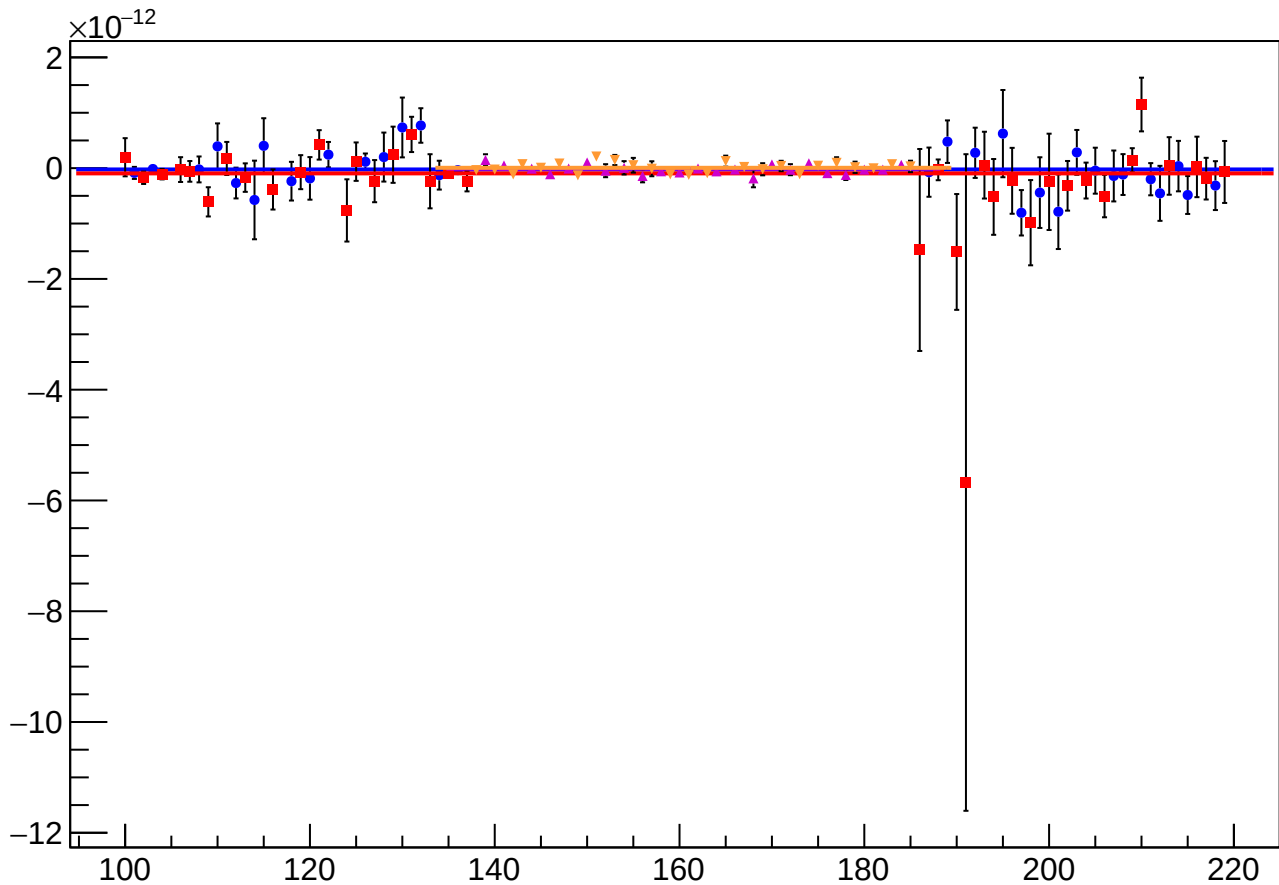
Left In: 262.790 $\pm$ 0.046 χ^2 /NDF:2025402.0/22

+ sign 199.652 $\pm$ 0.024 χ^2 /NDF: 7744178.6/56

All: 195.518 $\pm$ 0.017 χ^2 /NDF: 17199285.7/1

- sign 191.598 $\pm$ 0.024 χ^2 /NDF: 9398504.0/59

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.5/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 30.5/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 33.2/36

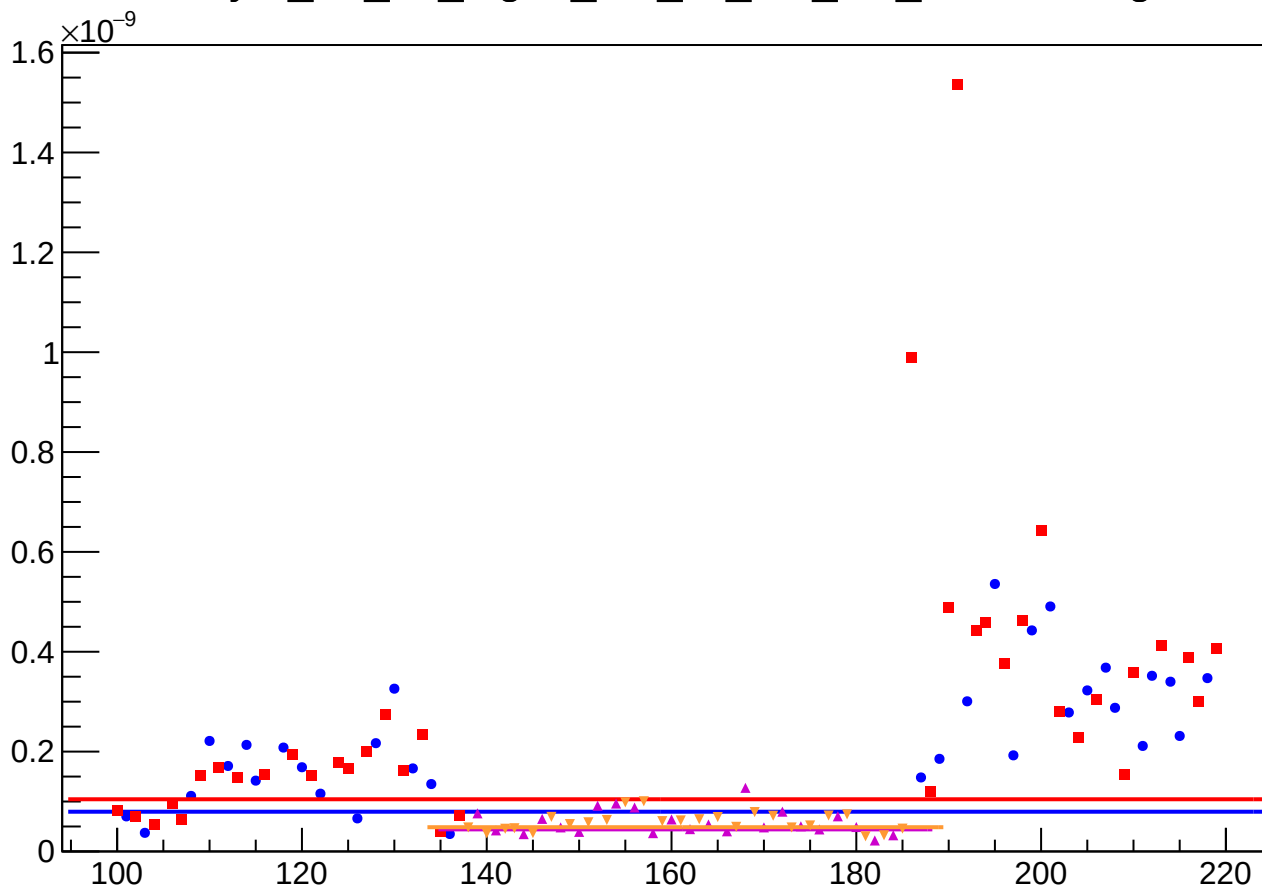
Left In: -0.000 ± 0.000 χ^2/NDF : 21.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 58.6/56

All: -0.000 ± 0.000 χ^2/NDF : 118.7/116

- sign -0.000 ± 0.000 χ^2/NDF : 58.8/59

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12361857.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11318915.2/36

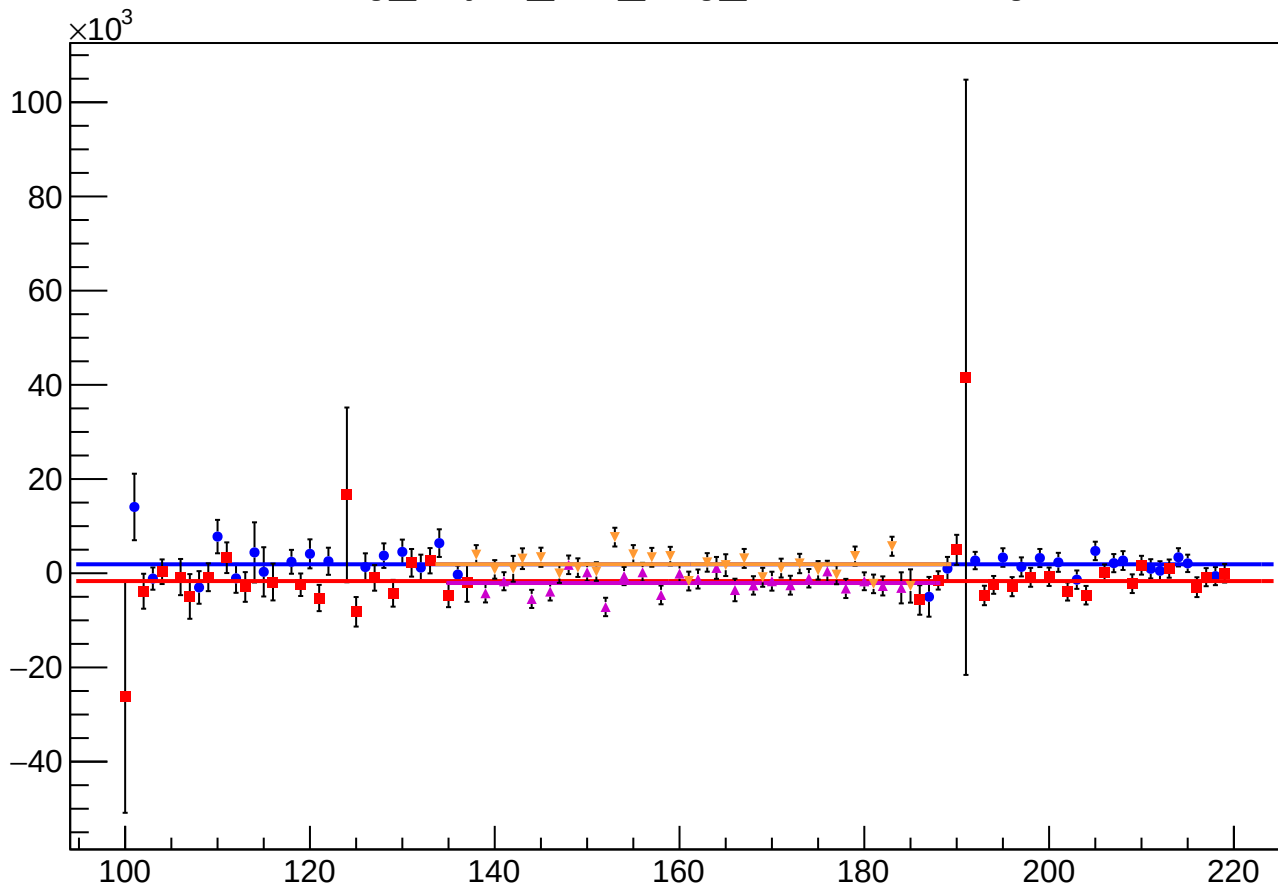
Left In: 0.000+/-0.000 χ^2/NDF : 3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 16312704.4/56

All: 0.000+/-0.000 χ^2/NDF : 35602183.8/116

- sign 0.000+/-0.000 χ^2/NDF : 19259169.6/59

reg_asym_at1_avg_mean vs Slug



Right In: 1902.544+/-417.537 χ^2/NDF : 28.7/31

Left Out: 1920.623+/-412.915 χ^2/NDF : 32.5/24

Right Out: -1661.705+/-410.440 χ^2/NDF : 38.8/36

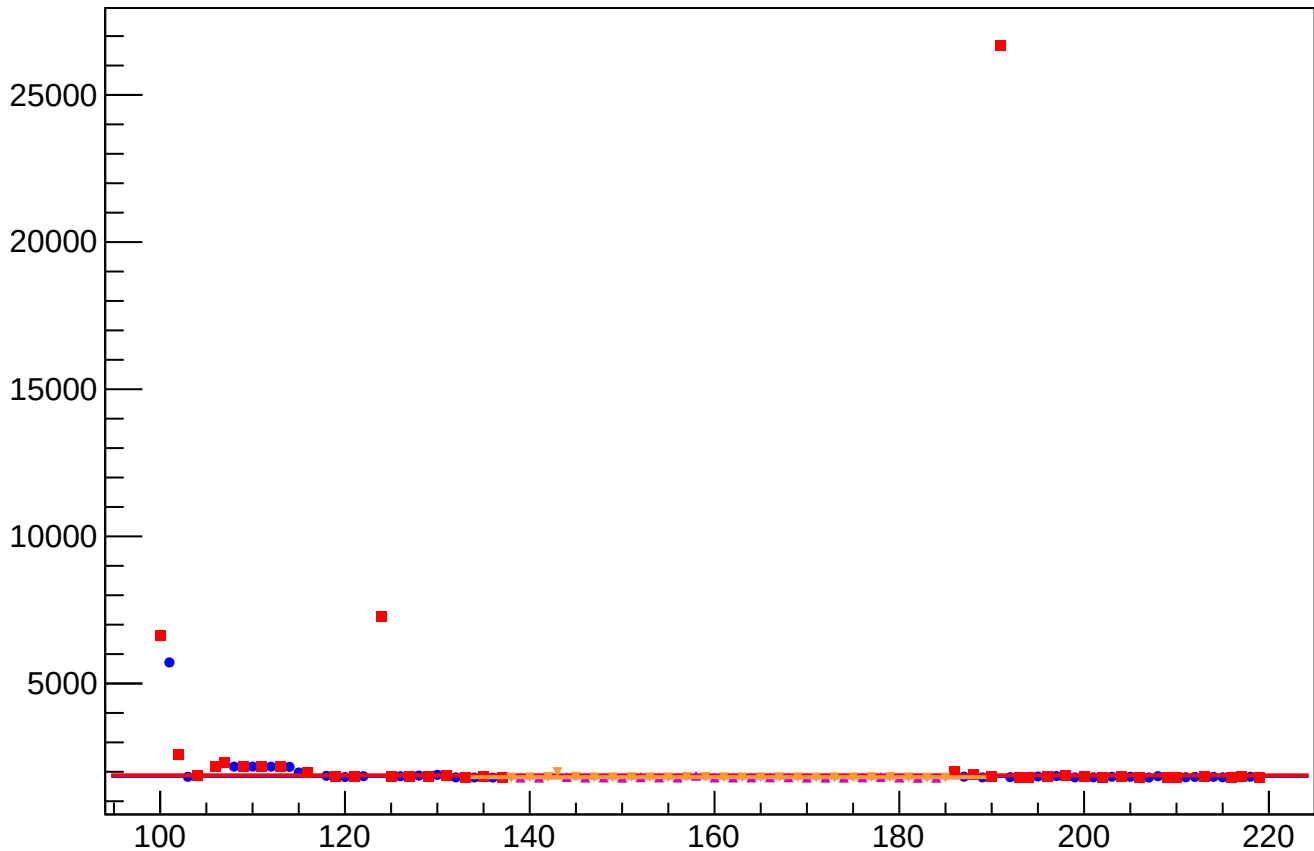
Left In: -2074.205+/-423.203 χ^2/NDF : 26.5/22

+ sign 1911.684+/-293.595 χ^2/NDF : 61.2/56

All: 31.680+/-207.969 χ^2/NDF : 209.3/116

- sign -1861.641+/-294.633 χ^2/NDF : 65.8/59

reg_asym_at1_avg_rms vs Slug



Right In: 1861.574 $\pm$ 0.295 χ^2 /NDF: 670908.4/31

Left Out: 1817.524 $\pm$ 0.292 χ^2 /NDF: 12955.2/24

Right Out: 1879.191 $\pm$ 0.290 χ^2 /NDF: 747904.7/36

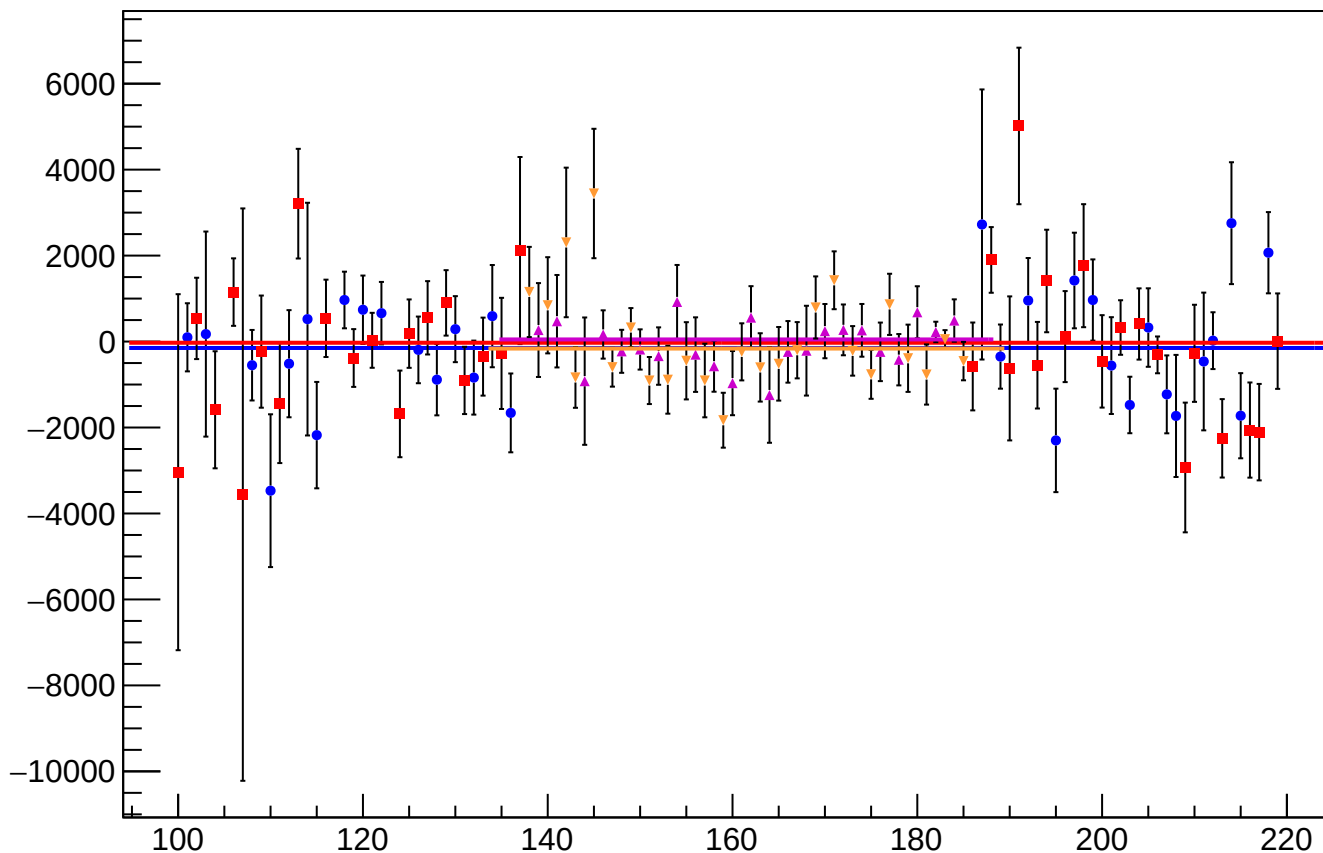
Left In: 1812.545 $\pm$ 0.299 χ^2 /NDF: 2013.0/22

+ sign 1839.304 $\pm$ 0.208 χ^2 /NDF: 695117.6/56

All: 1843.083 $\pm$ 0.147 χ^2 /NDF: 1471259.6/11

- sign 1846.888 $\pm$ 0.208 χ^2 /NDF: 775477.1/59

asym_at1_avg_reg_correction_mean vs Slug



Right In: -149.351 ± 167.362 χ^2/NDF : 45.1/31

Left Out: -162.996 ± 115.295 χ^2/NDF : 36.8/24

Right Out: -27.867 ± 154.684 χ^2/NDF : 55.4/36

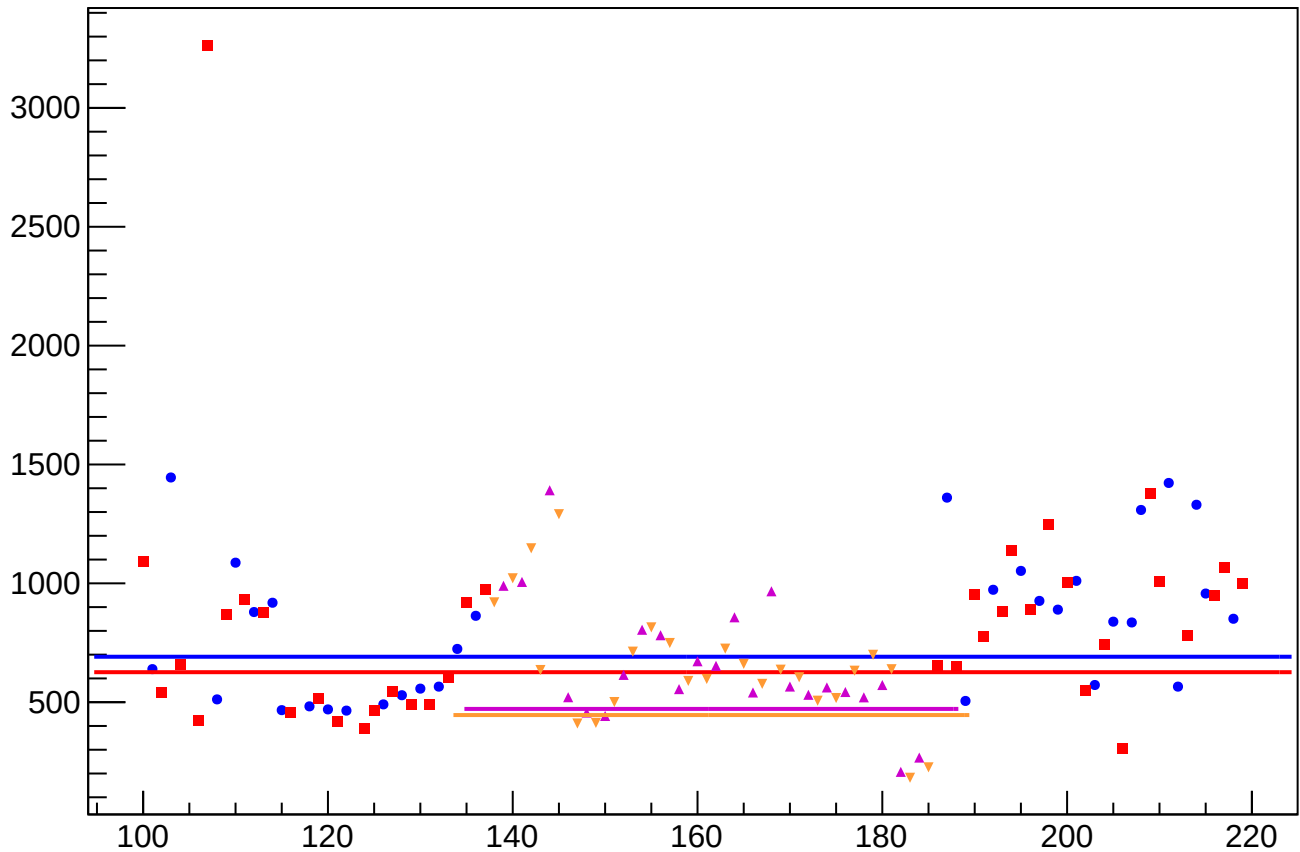
Left In: 49.290 ± 122.691 χ^2/NDF : 11.3/22

+ sign -158.604 ± 94.946 χ^2/NDF : 81.9/56

All: -70.654 ± 67.550 χ^2/NDF : 150.6/116

- sign 19.494 ± 96.125 χ^2/NDF : 66.9/59

asym_at1_avg_reg_correction_rms vs Slug



Right In: 691.225+/-0.118 χ^2/NDF : 4002298.8/31

Left Out: 445.893+/-0.082 χ^2/NDF : 7982455.6/24

+ sign 524.851+/-0.067 χ^2/NDF : 14899197.8/56

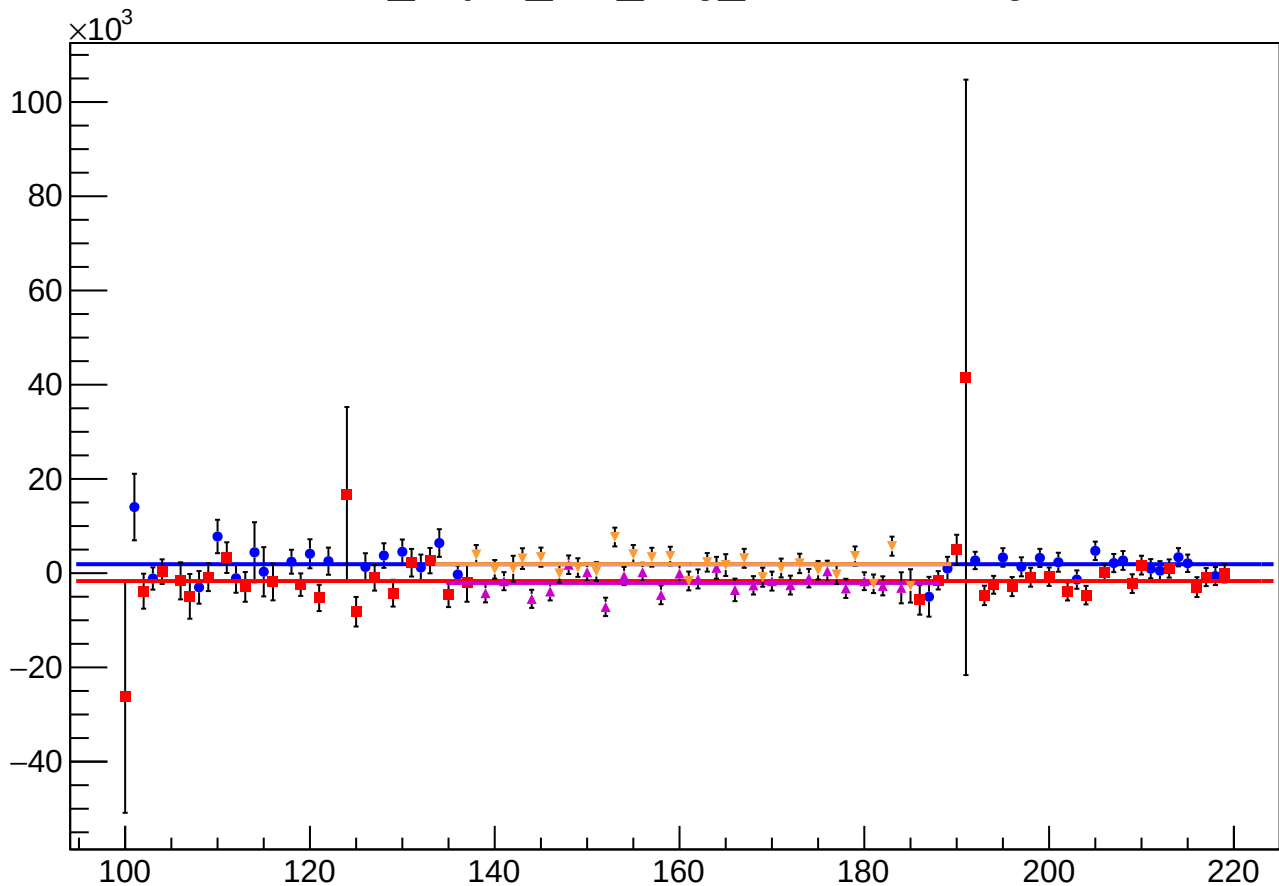
Right Out: 626.221+/-0.109 χ^2/NDF : 5557747.4/36

All: 528.085+/-0.048 χ^2/NDF : 28099898.9/1

- sign 531.400+/-0.068 χ^2/NDF : 13196001.6/59

Left In: 471.746+/-0.087 χ^2/NDF : 6413905.5/22

cor_asym_at1_avg_mean vs Slug



Right In: 1902.437 ± 417.537 χ^2/NDF : 28.6/31

Left Out: 1920.588 ± 412.915 χ^2/NDF : 32.5/24

Right Out: -1671.197 ± 410.552 χ^2/NDF : 38.7/36

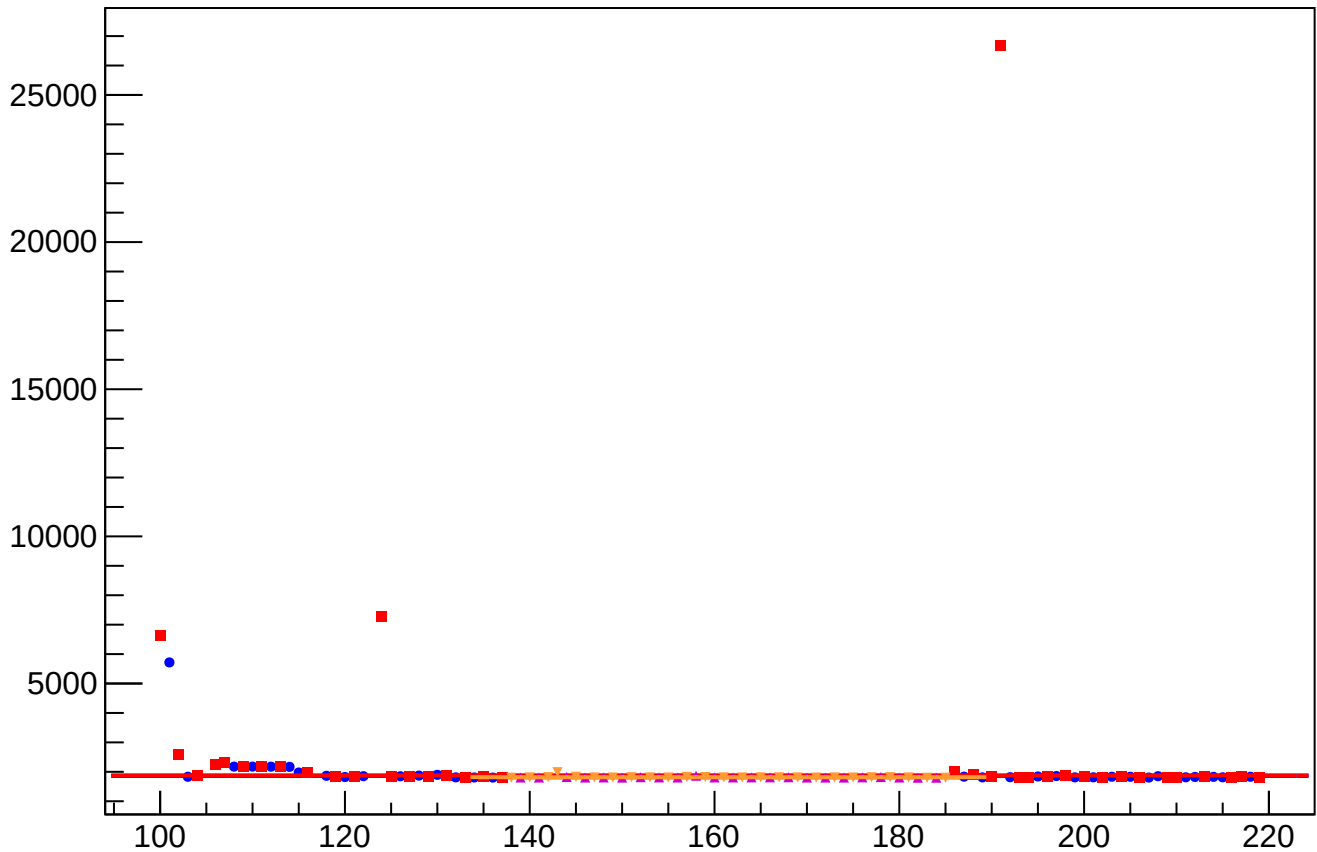
Left In: -2074.306 ± 423.203 χ^2/NDF : 26.5/22

+ sign 1911.613 ± 293.595 χ^2/NDF : 61.2/56

All: 29.421 ± 207.984 χ^2/NDF : 209.4/116

- sign -1866.636 ± 294.675 χ^2/NDF : 65.7/59

cor_asym_at1_avg_rms vs Slug



Right In: 1861.574 $\pm$ 0.295 χ^2 /NDF: 670908.4/31

Left Out: 1817.524 $\pm$ 0.292 χ^2 /NDF: 12955.2/24

Right Out: 1879.572 $\pm$ 0.290 χ^2 /NDF: 751707.0/36

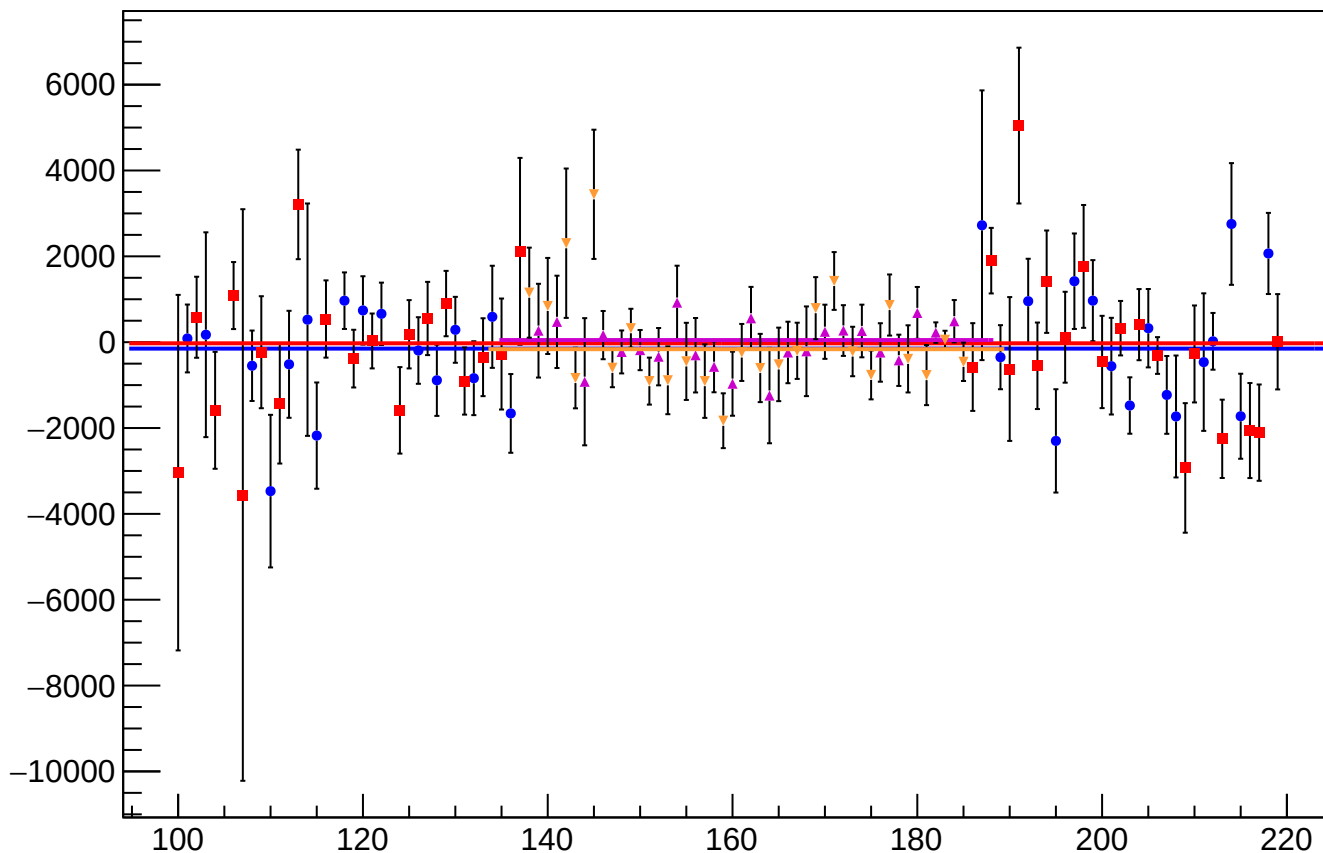
Left In: 1812.545 $\pm$ 0.299 χ^2 /NDF: 2013.0/22

+ sign 1839.304 $\pm$ 0.208 χ^2 /NDF: 695117.5/56

All: 1843.175 $\pm$ 0.147 χ^2 /NDF: 1475381.3/11

- sign 1847.075 $\pm$ 0.208 χ^2 /NDF: 779565.7/59

asym_at1_avg_cor_correction_mean vs Slug



Right In: -149.801 ± 167.344 χ^2/NDF : 45.1/31

Left Out: -162.911 ± 115.291 χ^2/NDF : 36.9/24

Right Out: -26.115 ± 154.631 χ^2/NDF : 55.1/36

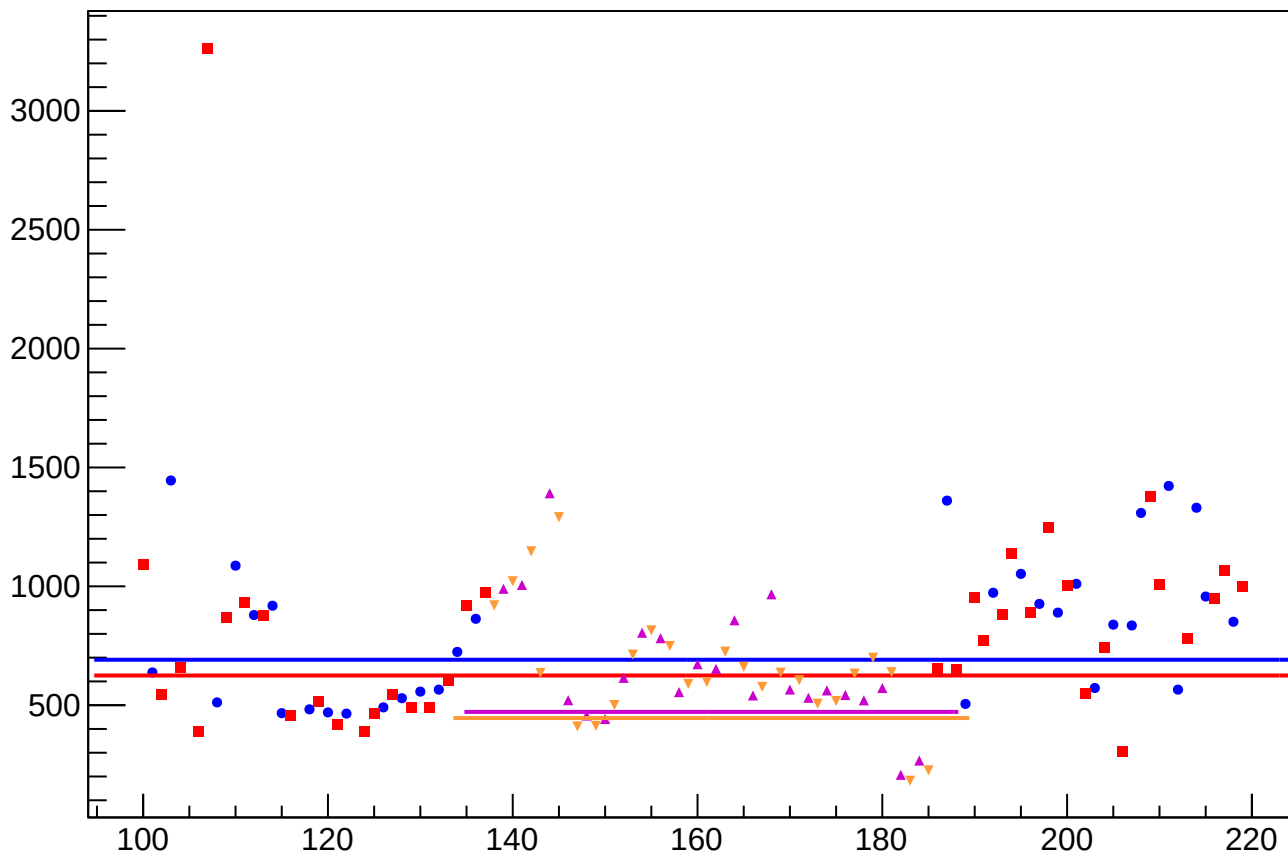
Left In: 49.310 ± 122.694 χ^2/NDF : 11.3/22

+ sign -158.692 ± 94.941 χ^2/NDF : 81.9/56

All: -70.359 ± 67.544 χ^2/NDF : 150.3/116

- sign 20.170 ± 96.114 χ^2/NDF : 66.6/59

asym_at1_avg_cor_correction_rms vs Slug



Right In: 691.152 $\pm$ 0.118 χ^2/NDF : 4002869.9/31

Left Out: 445.867 $\pm$ 0.082 χ^2/NDF : 7983869.6/24

Right Out: 624.887 $\pm$ 0.109 χ^2/NDF : 5606766.1/36

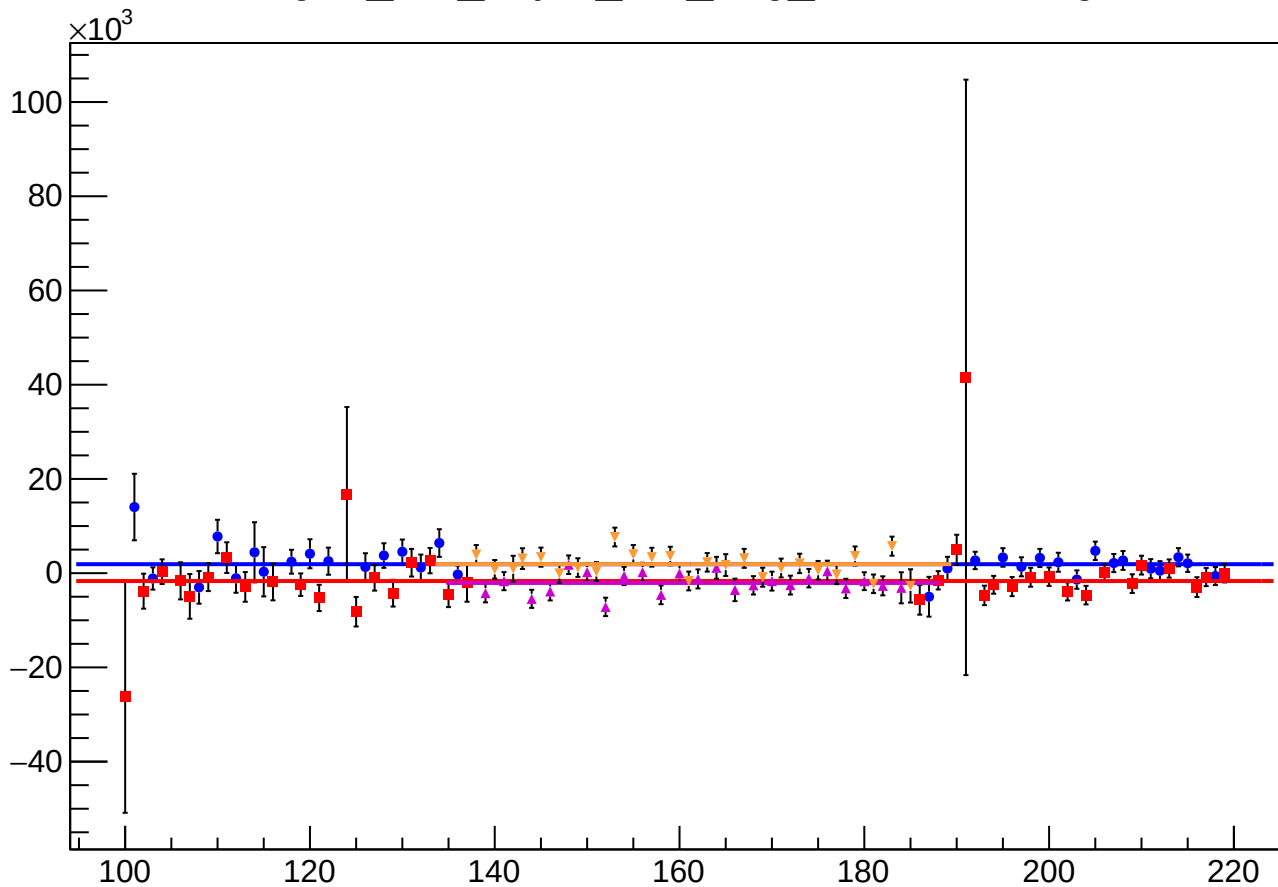
Left In: 471.757 $\pm$ 0.087 χ^2/NDF : 6413685.0/22

+ sign 524.818 $\pm$ 0.067 χ^2/NDF : 14900572.4/56

All: 527.830 $\pm$ 0.048 χ^2/NDF : 28128690.6/131

- sign 530.918 $\pm$ 0.068 χ^2/NDF : 13224040.8/59

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 1902.437 $\pm$ 417.537 χ^2 /NDF: 28.6/31

Left Out: 1920.588 $\pm$ 412.915 χ^2 /NDF: 32.5/24

Right Out: -1671.197 $\pm$ 410.552 χ^2 /NDF: 38.7/36

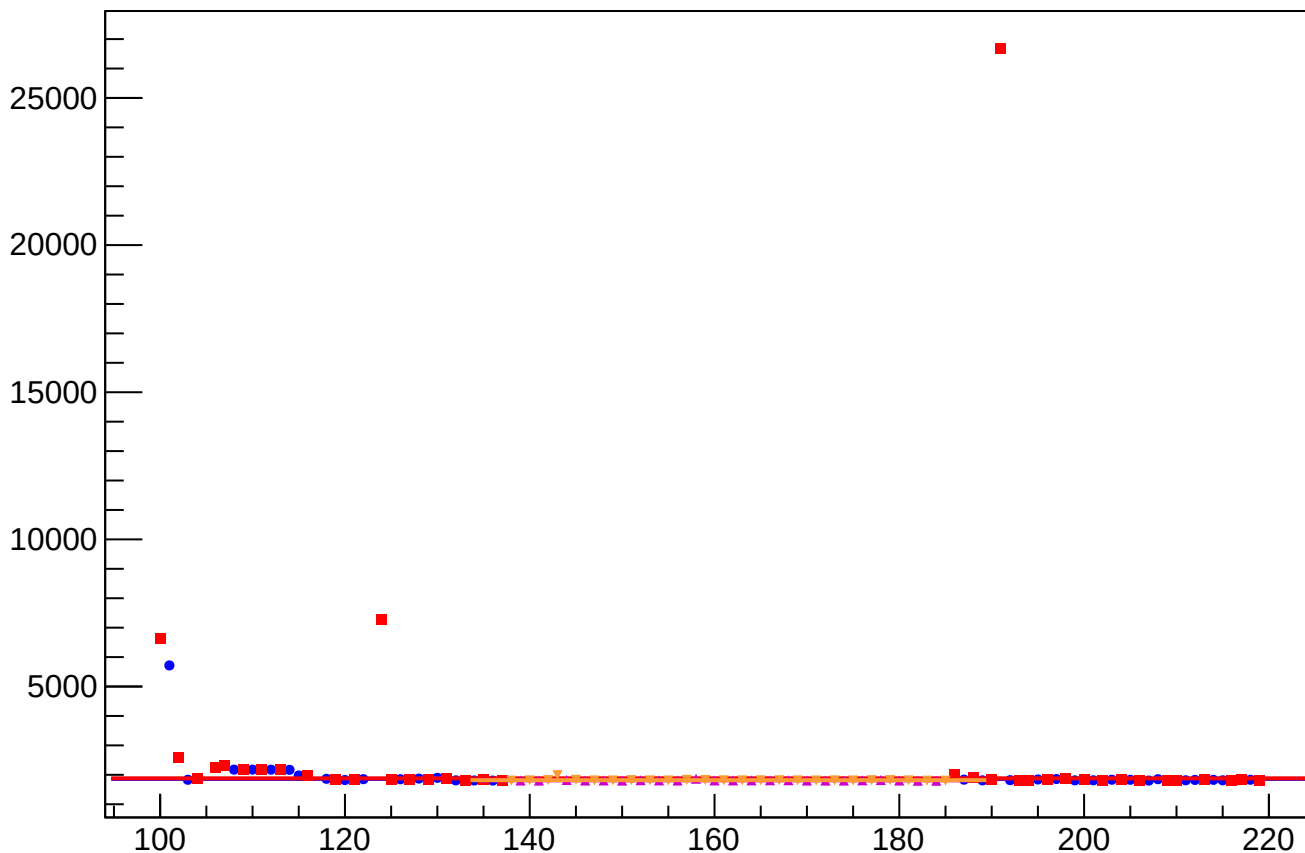
Left In: -2074.306 $\pm$ 423.203 χ^2 /NDF: 26.5/22

+ sign 1911.613 $\pm$ 293.595 χ^2 /NDF: 61.2/56

All: 29.421 $\pm$ 207.984 χ^2 /NDF: 209.4/116

- sign -1866.636 $\pm$ 294.675 χ^2 /NDF: 65.7/59

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1861.574 $\pm$ 0.295 χ^2 /NDF: 670908.4/31

Left Out: 1817.524 $\pm$ 0.292 χ^2 /NDF: 12955.2/24

Right Out: 1879.572 $\pm$ 0.290 χ^2 /NDF: 751707.0/36

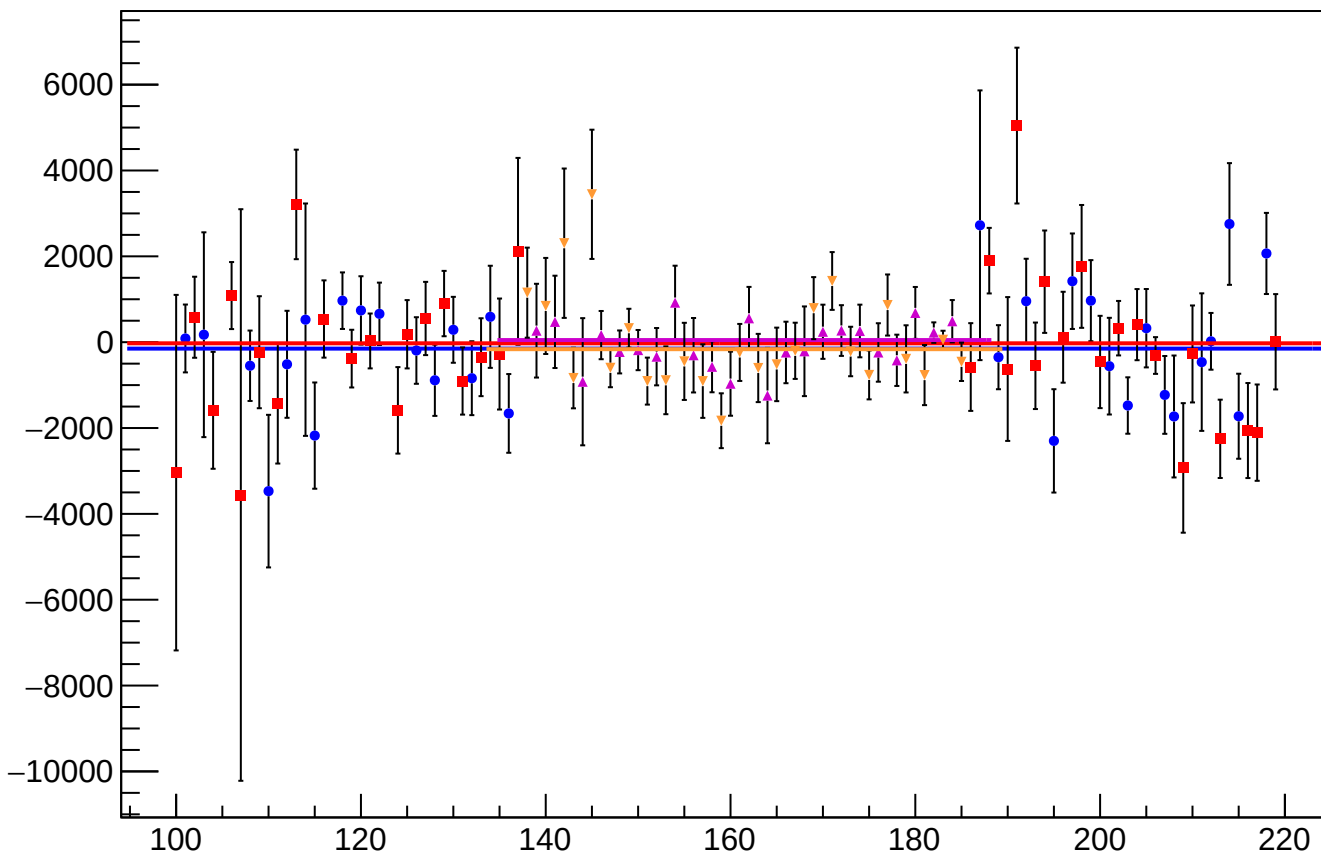
Left In: 1812.545 $\pm$ 0.299 χ^2 /NDF: 2013.0/22

+ sign 1839.304 $\pm$ 0.208 χ^2 /NDF: 695117.5/56

All: 1843.175 $\pm$ 0.147 χ^2 /NDF: 1475381.3/11

- sign 1847.075 $\pm$ 0.208 χ^2 /NDF: 779565.7/59

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -149.801 ± 167.344 χ^2/NDF : 45.1/31

Left Out: -162.911 ± 115.291 χ^2/NDF : 36.9/24

Right Out: -26.115 ± 154.631 χ^2/NDF : 55.1/36

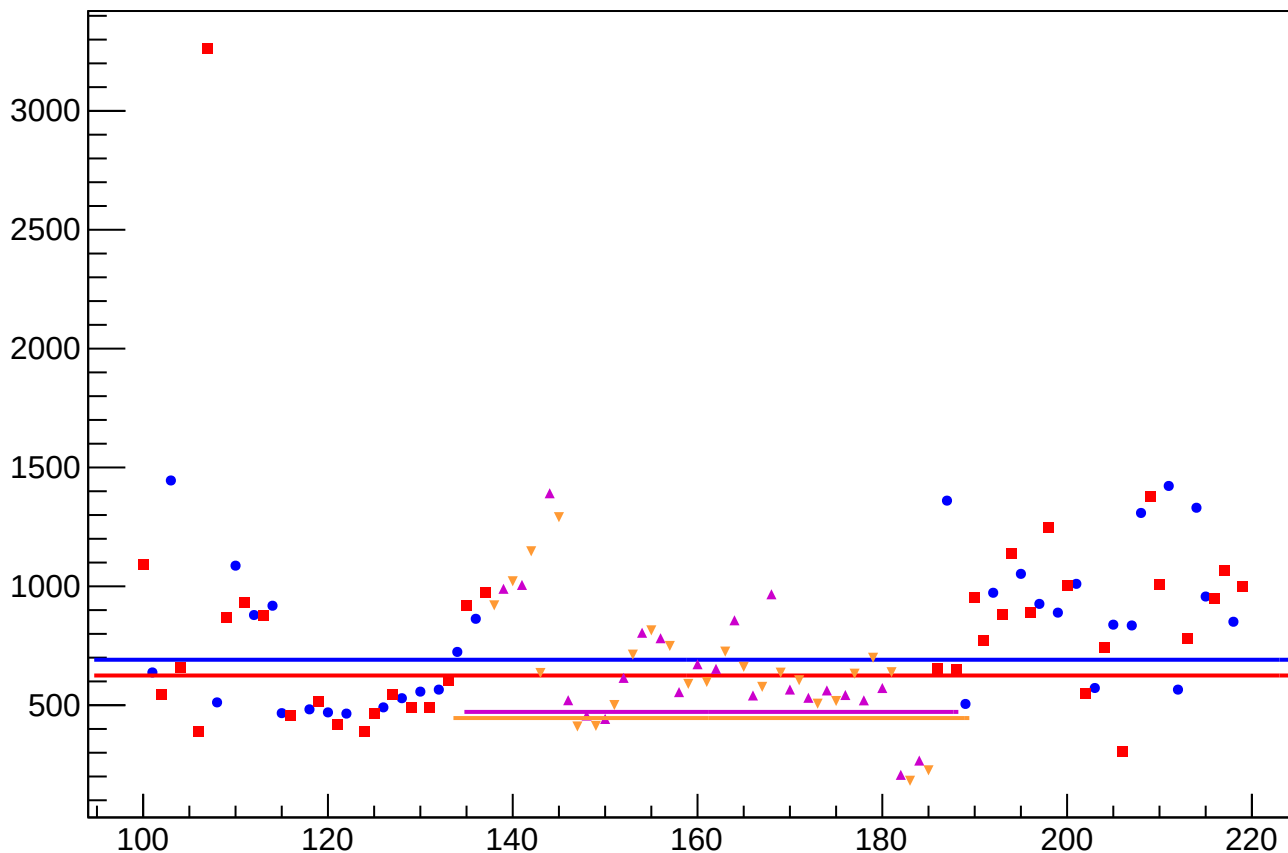
Left In: 49.310 ± 122.694 χ^2/NDF : 11.3/22

+ sign -158.692 ± 94.941 χ^2/NDF : 81.9/56

All: -70.359 ± 67.544 χ^2/NDF : 150.3/116

- sign 20.170 ± 96.114 χ^2/NDF : 66.6/59

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 691.152+/-0.118 χ^2/NDF : 4002869.9/31

Left Out: 445.867+/-0.082 χ^2/NDF : 7983869.6/24

Right Out: 624.887+/-0.109 χ^2/NDF : 5606766.1/36

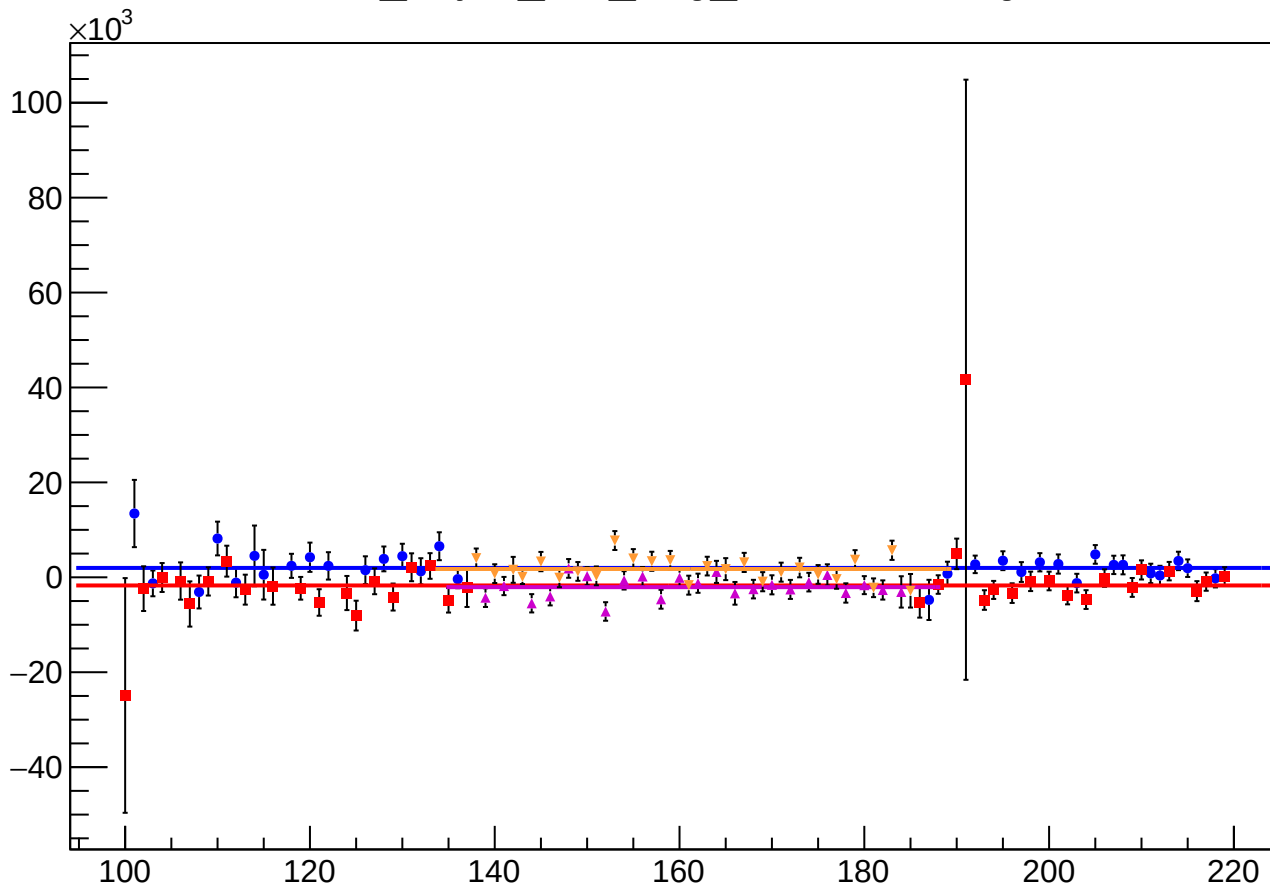
Left In: 471.757+/-0.087 χ^2/NDF : 6413685.0/22

+ sign 524.818+/-0.067 χ^2/NDF : 14900572.4/56

All: 527.830+/-0.048 χ^2/NDF : 28128690.6/136

- sign 530.918+/-0.068 χ^2/NDF : 13224040.8/59

dit_asym_at1_avg_mean vs Slug



Right In: 1977.156 ± 421.080 χ^2/NDF : 28.5/31

Left Out: 1755.493 ± 405.401 χ^2/NDF : 33.8/24

Right Out: -1717.597 ± 412.578 χ^2/NDF : 37.0/36

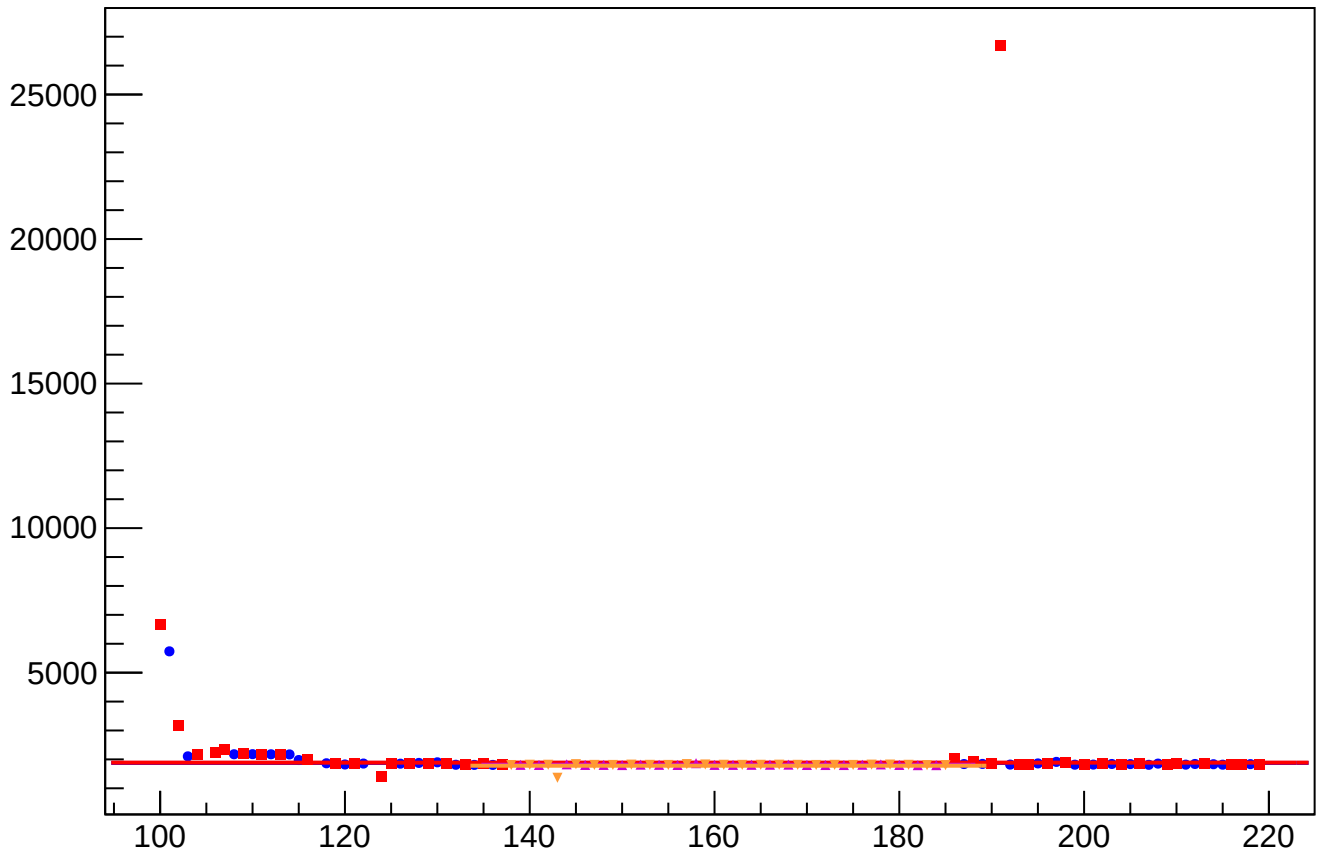
Left In: -2073.441 ± 423.648 χ^2/NDF : 27.0/22

+ sign 1862.121 ± 292.047 χ^2/NDF : 62.5/56

All: 8.170 ± 207.744 χ^2/NDF : 208.4/116

- sign -1890.809 ± 295.573 χ^2/NDF : 64.4/59

dit_asym_at1_avg_rms vs Slug



Right In: 1876.855+/-0.298 χ^2/NDF : 684151.2/31

Left Out: 1780.913+/-0.287 χ^2/NDF : 164936.9/24

Right Out: 1887.699+/-0.292 χ^2/NDF : 705752.0/36

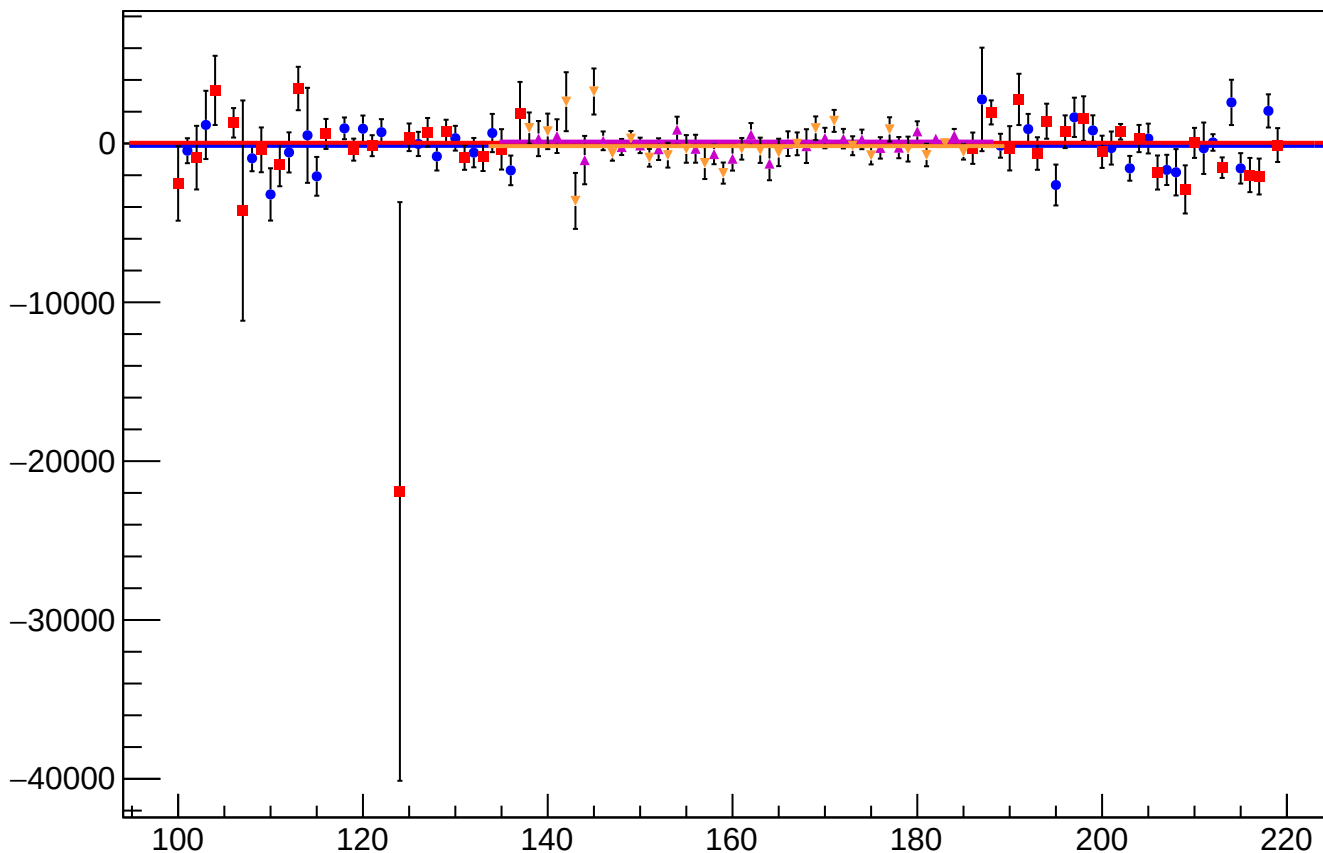
Left In: 1814.434+/-0.300 χ^2/NDF : 2094.6/22

+ sign 1827.065+/-0.207 χ^2/NDF : 902970.9/56

All: 1839.401+/-0.147 χ^2/NDF : 1648739.7/11

- sign 1852.036+/-0.209 χ^2/NDF : 738545.4/59

asym_at1_avg_dit_correction_mean vs Slug



Right In: -149.855+/-169.061 χ^2 /NDF: 44.0/31

Left Out: -167.909+/-121.628 χ^2 /NDF:38.3/24

Right Out: 42.273+/-163.031 χ^2 /NDF: 55.5/36

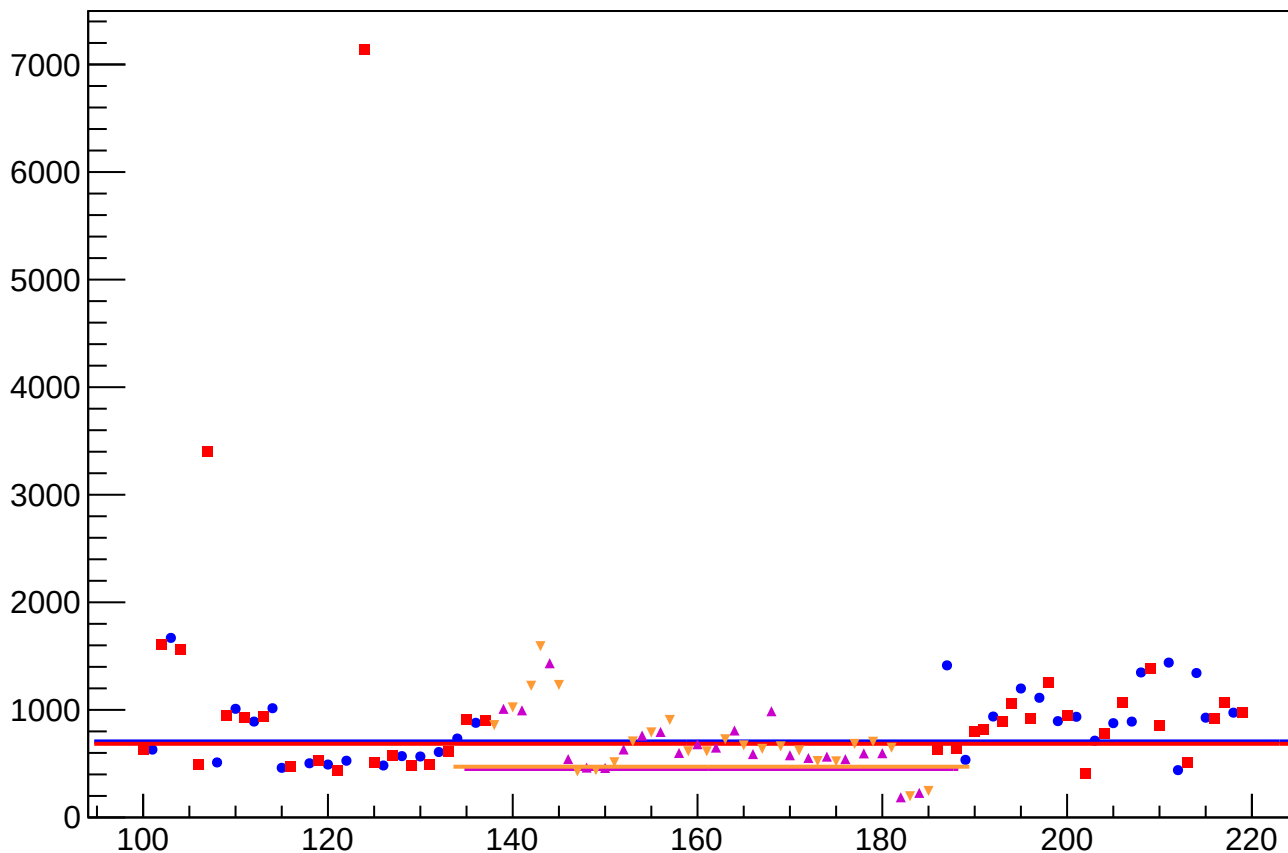
Left In: 117.211+/-119.772 χ^2 /NDF:12.3/22

+ sign -161.751+/-98.732 χ^2 /NDF: 82.3/56

All: -32.546+/-69.020 χ^2 /NDF: 153.6/116

- sign 90.943+/-96.524 χ^2 /NDF: 67.9/59

asym_at1_avg_dit_correction_rms vs Slug



Right In: 706.816+/-0.120 χ^2/NDF : 4626980.1/31

Left Out: 471.777+/-0.086 χ^2/NDF : 8112666.9/24

Right Out: 684.877+/-0.115 χ^2/NDF : 5509203.4/36

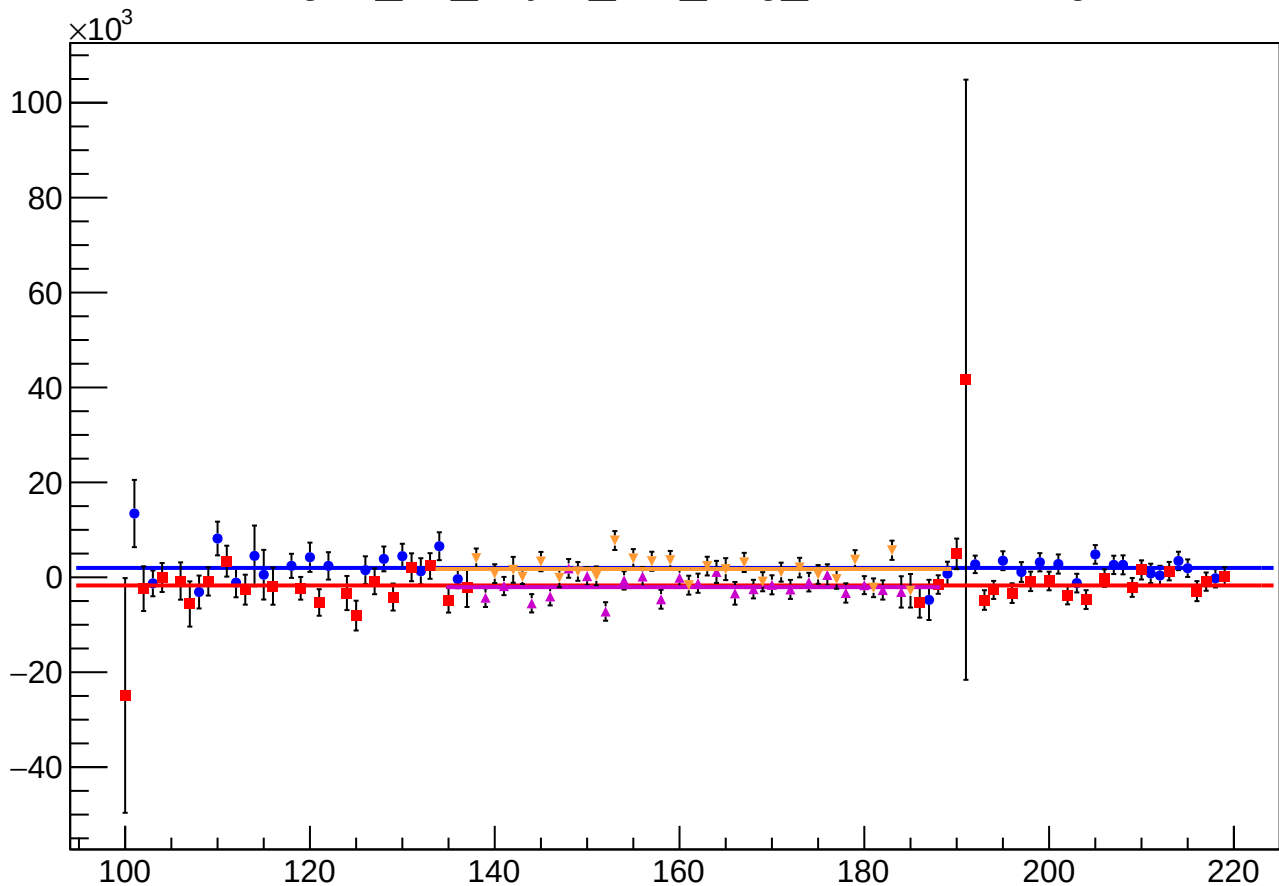
Left In: 450.652+/-0.085 χ^2/NDF : 7928332.5/22

+ sign 551.939+/-0.070 χ^2/NDF : 15286877.9/56

All: 542.130+/-0.049 χ^2/NDF : 31444126.6/11

- sign 532.755+/-0.068 χ^2/NDF : 16118640.5/59

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 1977.155 ± 421.080 χ^2/NDF : 28.5/31

Left Out: 1755.493 ± 405.401 χ^2/NDF : 33.8/24

Right Out: -1717.595 ± 412.578 χ^2/NDF : 37.0/36

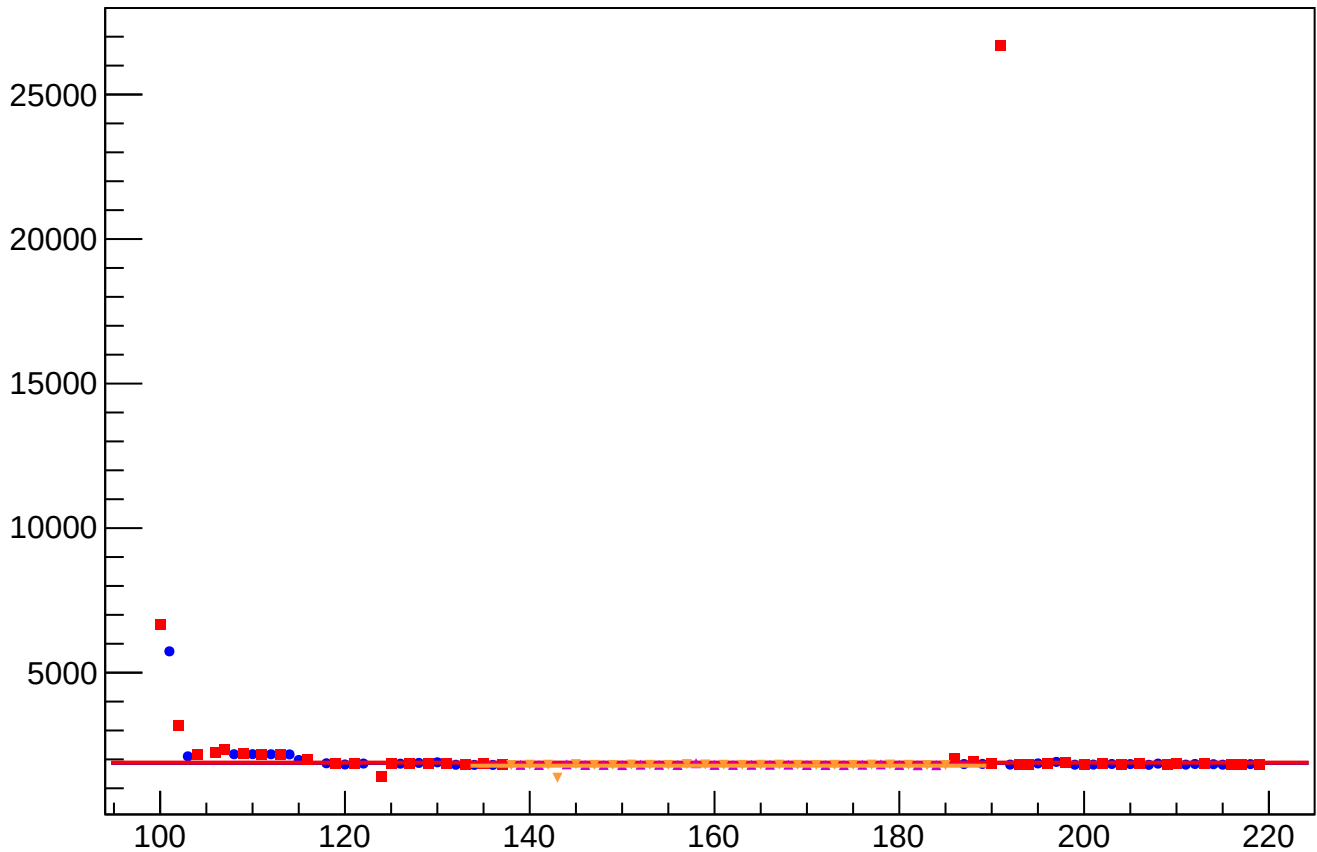
Left In: -2073.441 ± 423.648 χ^2/NDF : 27.0/22

+ sign 1862.121 ± 292.047 χ^2/NDF : 62.5/56

All: 8.171 ± 207.744 χ^2/NDF : 208.4/116

- sign -1890.808 ± 295.573 χ^2/NDF : 64.4/59

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1876.854+/-0.298 χ^2/NDF : 684150.8/31

Left Out: 1780.913+/-0.287 χ^2/NDF : 164936.9/24

Right Out: 1887.698+/-0.292 χ^2/NDF : 705750.6/36

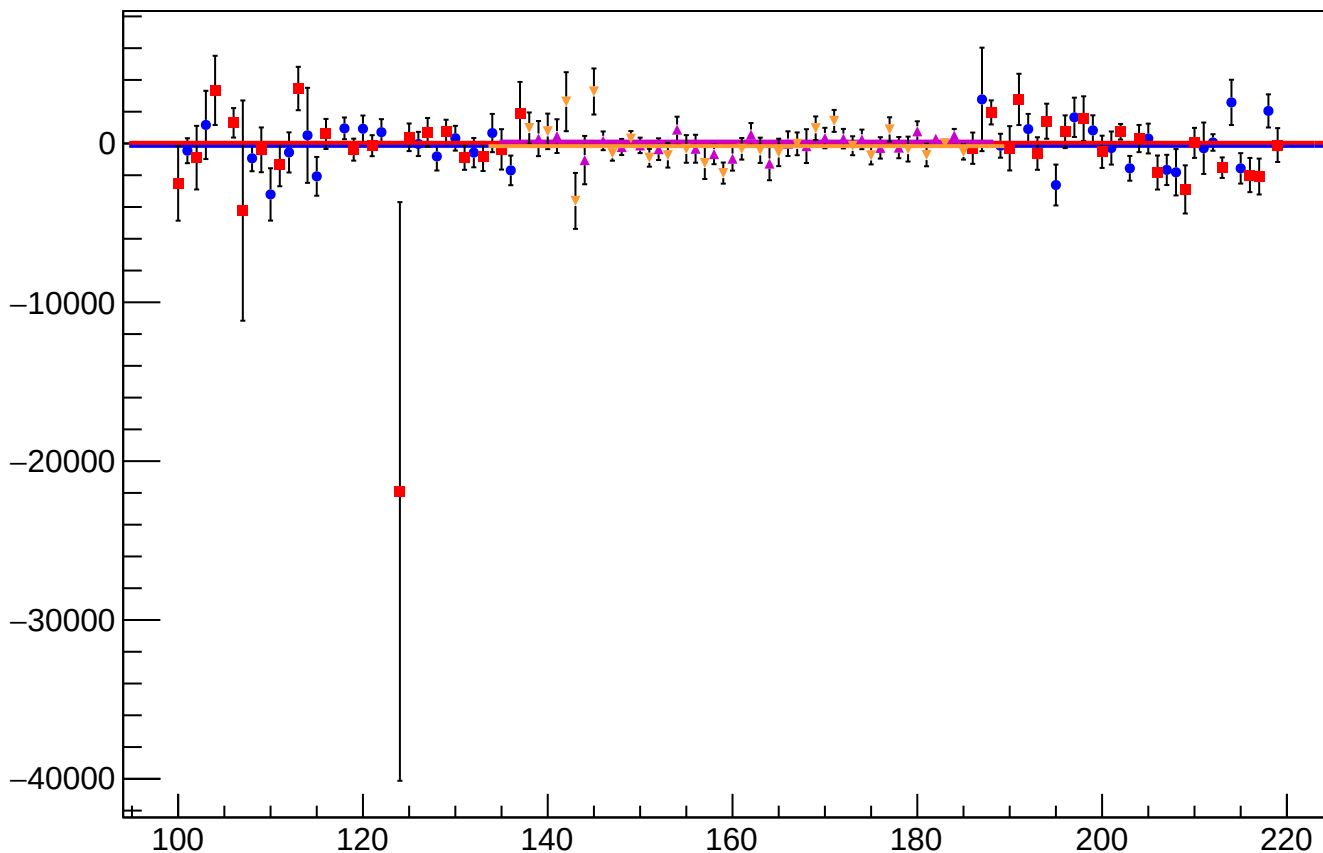
Left In: 1814.434+/-0.300 χ^2/NDF : 2094.6/22

+ sign 1827.064+/-0.207 χ^2/NDF : 902970.4/56

All: 1839.400+/-0.147 χ^2/NDF : 1648737.7/11

- sign 1852.036+/-0.209 χ^2/NDF : 738543.9/59

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -149.855 ± 169.061 χ^2/NDF : 44.0/31

Left Out: -167.909 ± 121.629 χ^2/NDF : 38.3/24

Right Out: 42.274 ± 163.031 χ^2/NDF : 55.5/36

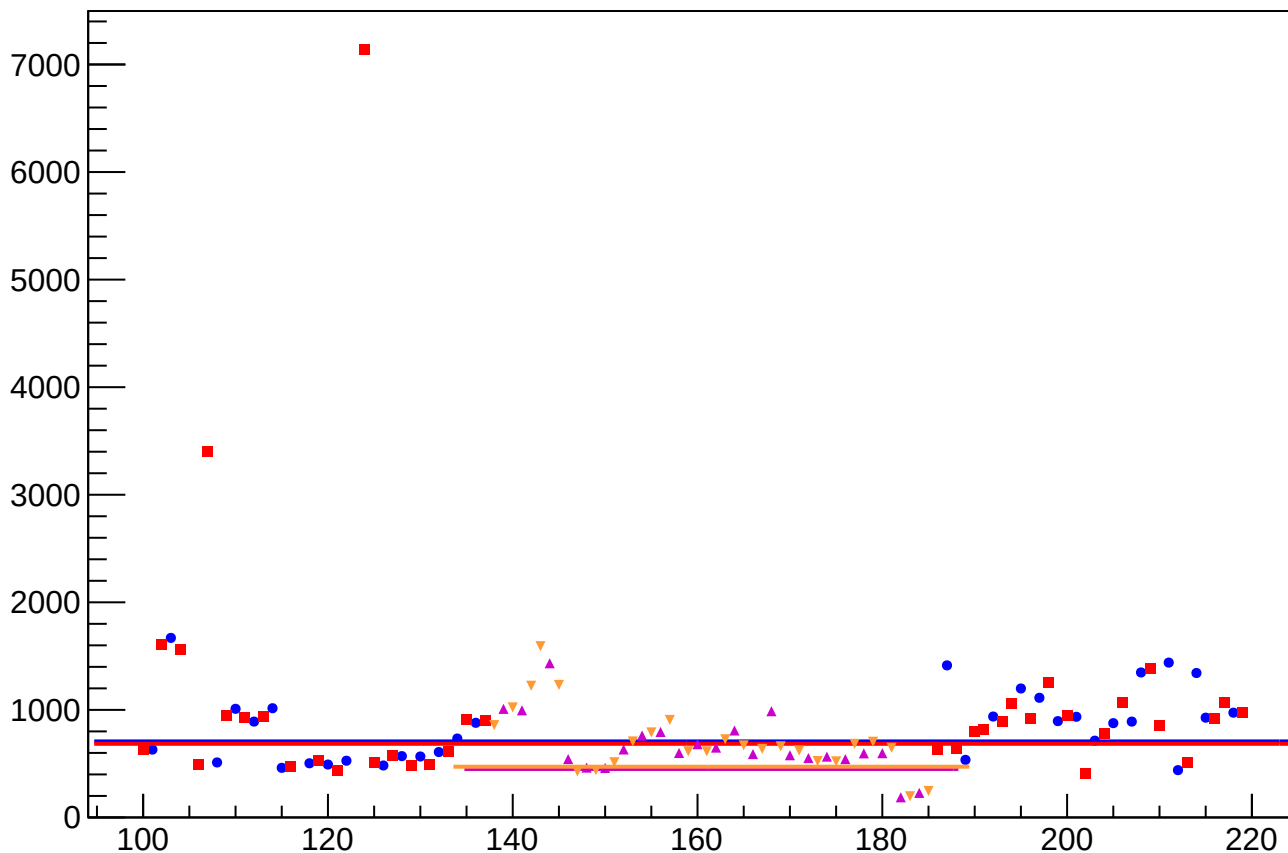
Left In: 117.211 ± 119.772 χ^2/NDF : 12.3/22

+ sign -161.752 ± 98.732 χ^2/NDF : 82.3/56

All: -32.546 ± 69.020 χ^2/NDF : 153.6/116

- sign 90.943 ± 96.524 χ^2/NDF : 67.9/59

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 706.815+/-0.120 χ^2/NDF : 4627013.8/31

Left Out: 471.778+/-0.086 χ^2/NDF : 8112665.9/24

Right Out: 684.877+/-0.115 χ^2/NDF : 5509224.4/36

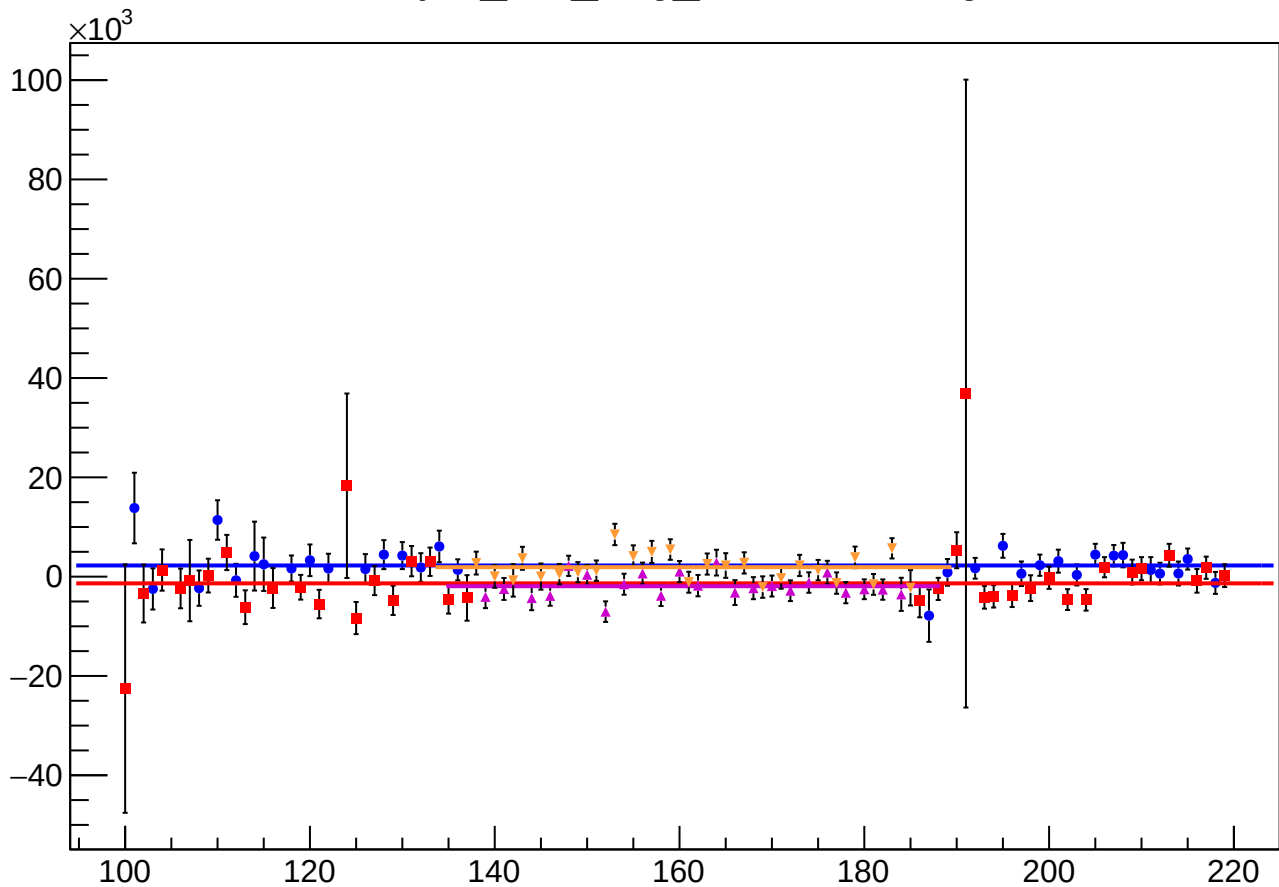
Left In: 450.653+/-0.085 χ^2/NDF : 7928317.5/22

+ sign 551.939+/-0.070 χ^2/NDF : 15286884.3/56

All: 542.131+/-0.049 χ^2/NDF : 31444114.4/114

- sign 532.756+/-0.068 χ^2/NDF : 16118623.3/59

asym_at1_avg_mean vs Slug



Right In: 2248.810+/-474.604 χ^2/NDF : 29.5/31

Left Out: 1907.369+/-443.523 χ^2/NDF : 36.3/24

Right Out: -1351.978+/-468.610 χ^2/NDF : 49.8/36

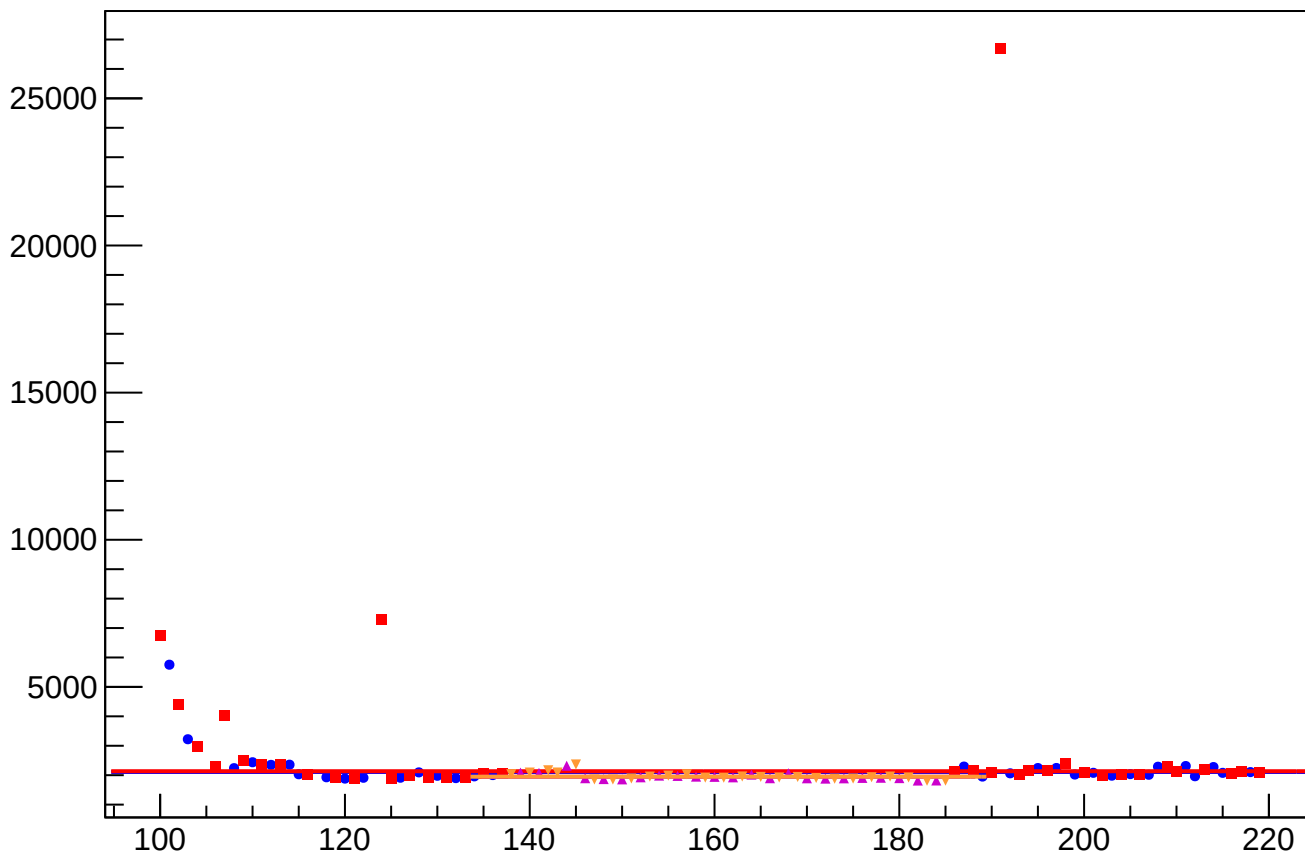
Left In: -1926.570+/-454.880 χ^2/NDF : 24.8/22

+ sign 2066.544+/-324.049 χ^2/NDF : 66.0/56

All: 222.757+/-229.962 χ^2/NDF : 206.6/116

- sign -1647.815+/-326.394 χ^2/NDF : 75.3/59

asym_at1_avg_rms vs Slug



Right In: 2109.095+/-0.336 χ^2 /NDF: 840760.7/31

Left Out: 1949.001+/-0.314 χ^2 /NDF:108523.9/24

Right Out: 2134.532+/-0.331 χ^2 /NDF: 1190139.0/36

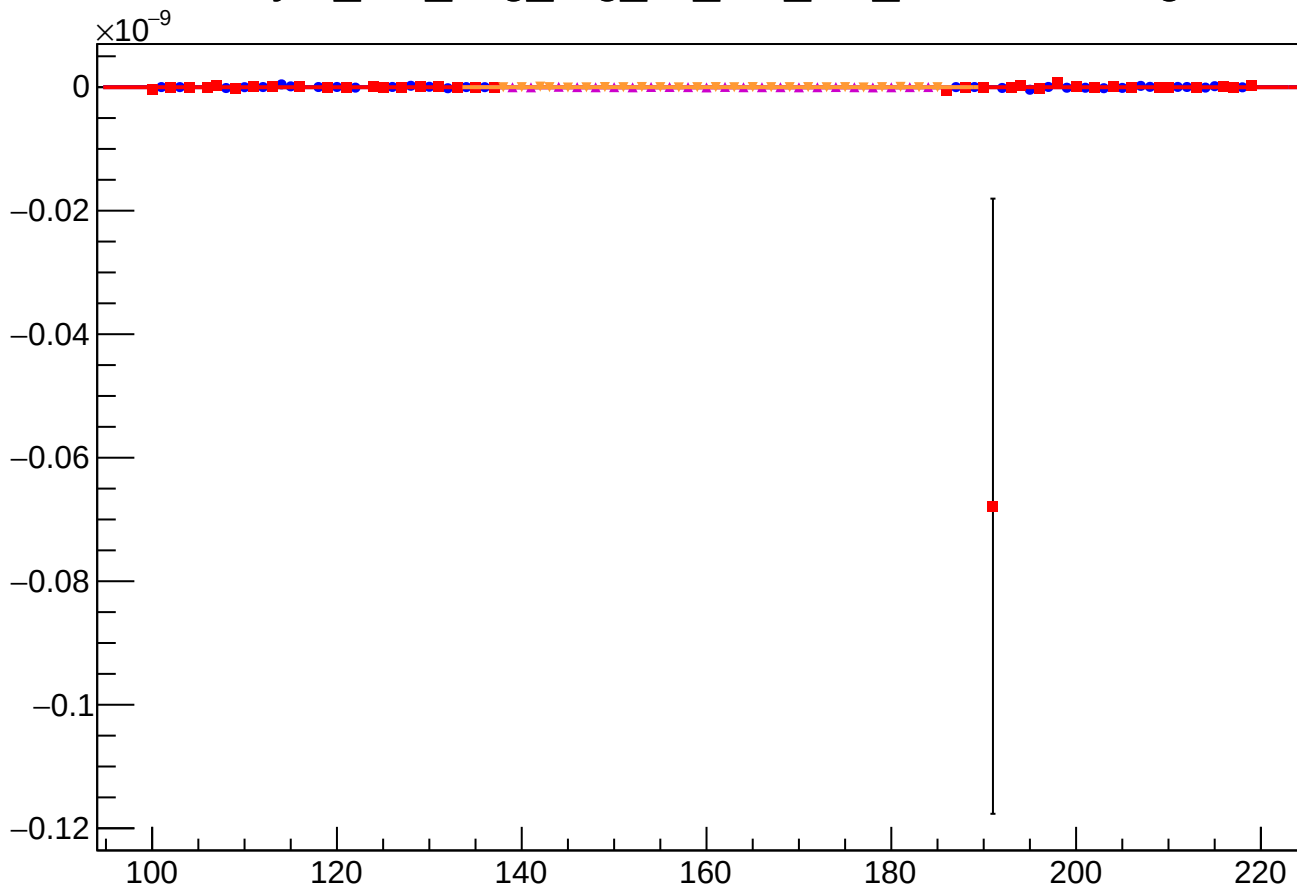
Left In: 1945.132+/-0.322 χ^2 /NDF:95954.5/22

+ sign 2023.635+/-0.229 χ^2 /NDF: 1070764.6/56

All: 2030.277+/-0.163 χ^2 /NDF: 2526763.7/11

- sign 2037.017+/-0.231 χ^2 /NDF: 1454306.0/59

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.8/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:28.7/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.6/36

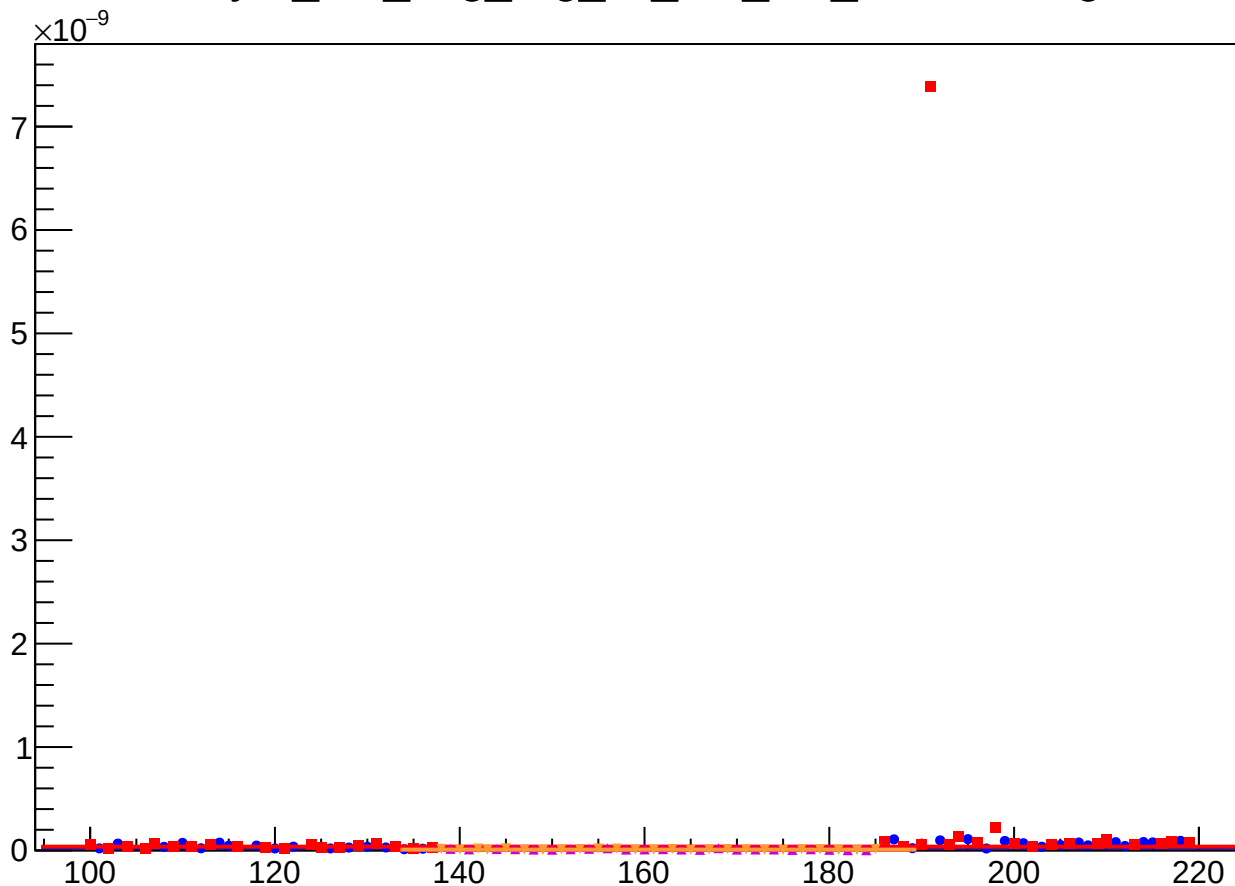
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:31.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64.7/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 130.6/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 65.6/59

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5035489.8/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4326637.2/36

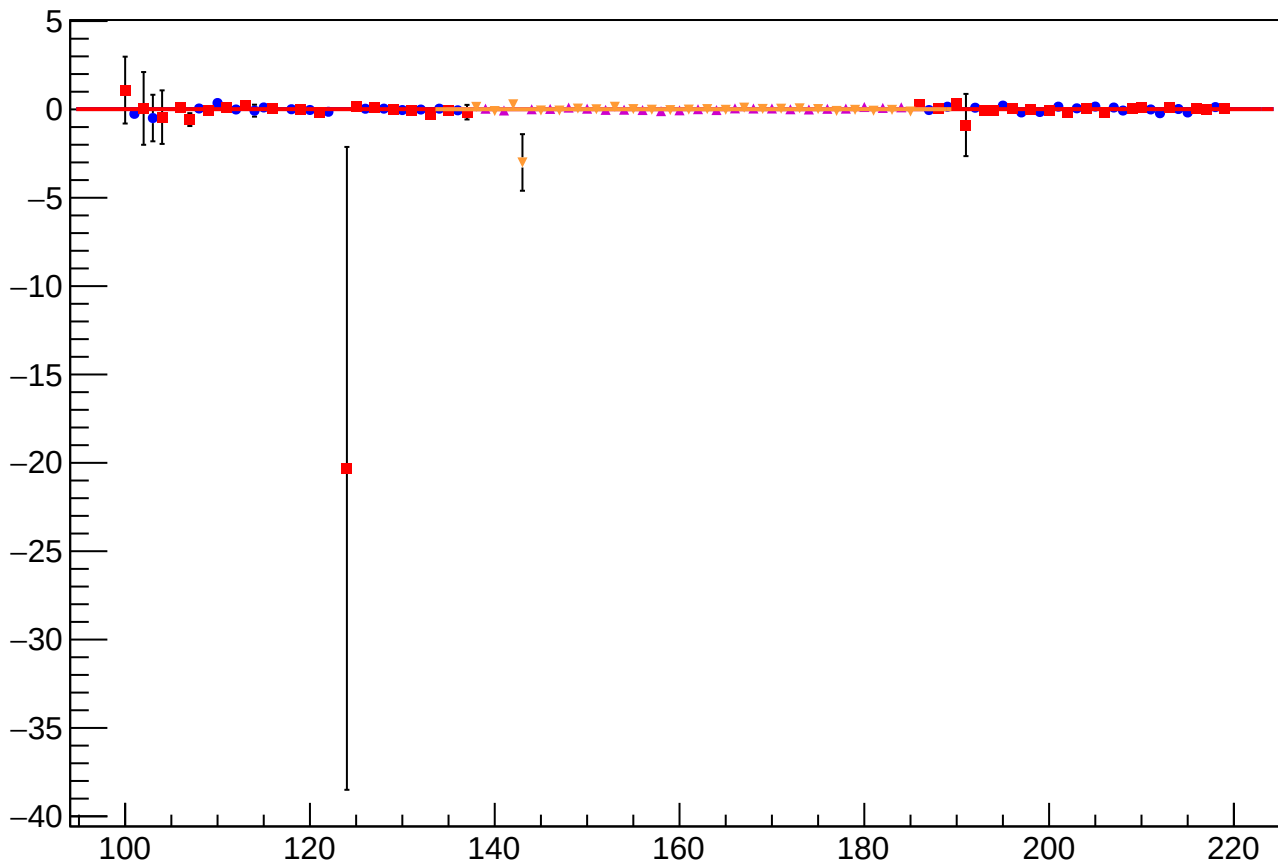
Left In: 0.000+/-0.000 χ^2/NDF : 2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 12478851.4/56

All: 0.000+/-0.000 χ^2/NDF : 26306628.4/116

- sign 0.000+/-0.000 χ^2/NDF : 13825700.5/59

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.021 ± 0.018 χ^2/NDF : 33.9/31

Left Out: 0.011 ± 0.012 χ^2/NDF : 29.6/24

Right Out: 0.014 ± 0.017 χ^2/NDF : 32.0/36

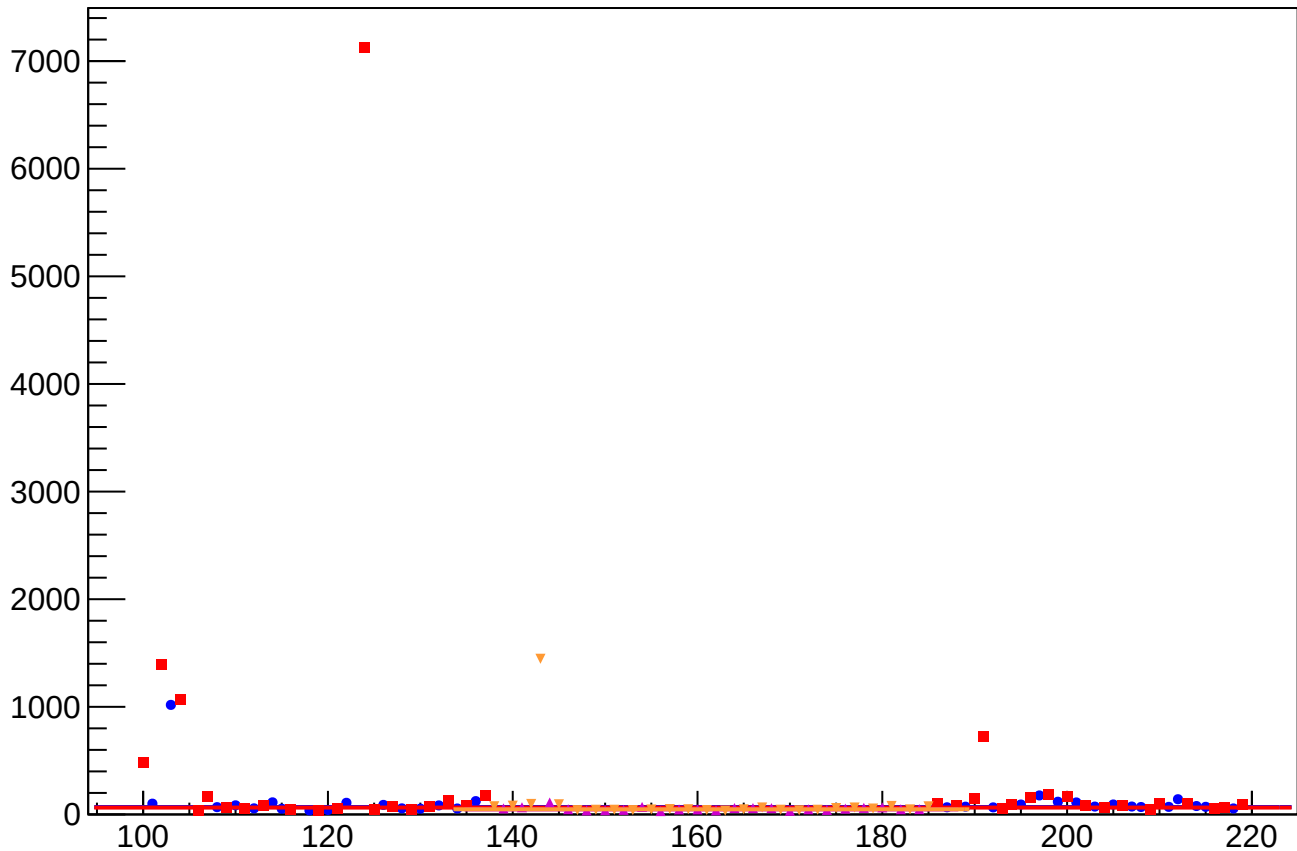
Left In: 0.018 ± 0.012 χ^2/NDF : 20.3/22

+ sign 0.014 ± 0.010 χ^2/NDF : 63.7/56

All: 0.016 ± 0.007 χ^2/NDF : 116.1/116

- sign 0.017 ± 0.010 χ^2/NDF : 52.4/59

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 68.913+/-0.013 χ^2/NDF : 4308038.6/31

Left Out: 47.901+/-0.009 χ^2/NDF : 3496596.6/24

Right Out: 64.008+/-0.012 χ^2/NDF : 6921287.3/36

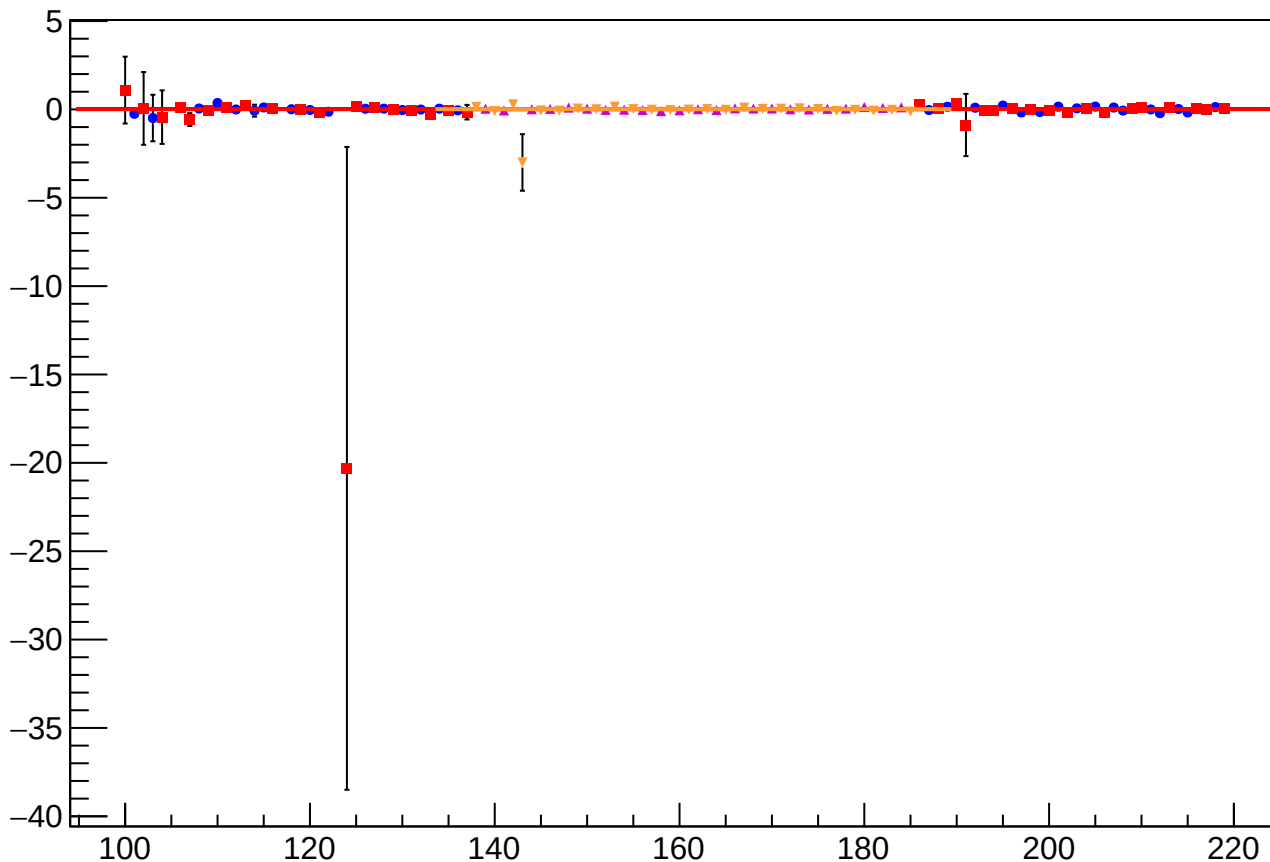
Left In: 46.786+/-0.009 χ^2/NDF : 1949486.1/22

+ sign 54.589+/-0.007 χ^2/NDF : 9620132.4/56

All: 53.518+/-0.005 χ^2/NDF : 19844003.6/116

- sign 52.500+/-0.007 χ^2/NDF : 10181496.0/59

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021 $\pm$ 0.018 χ^2 /NDF: 33.9/31

Left Out: 0.011 $\pm$ 0.012 χ^2 /NDF: 29.6/24

Right Out: 0.014 $\pm$ 0.017 χ^2 /NDF: 32.0/36

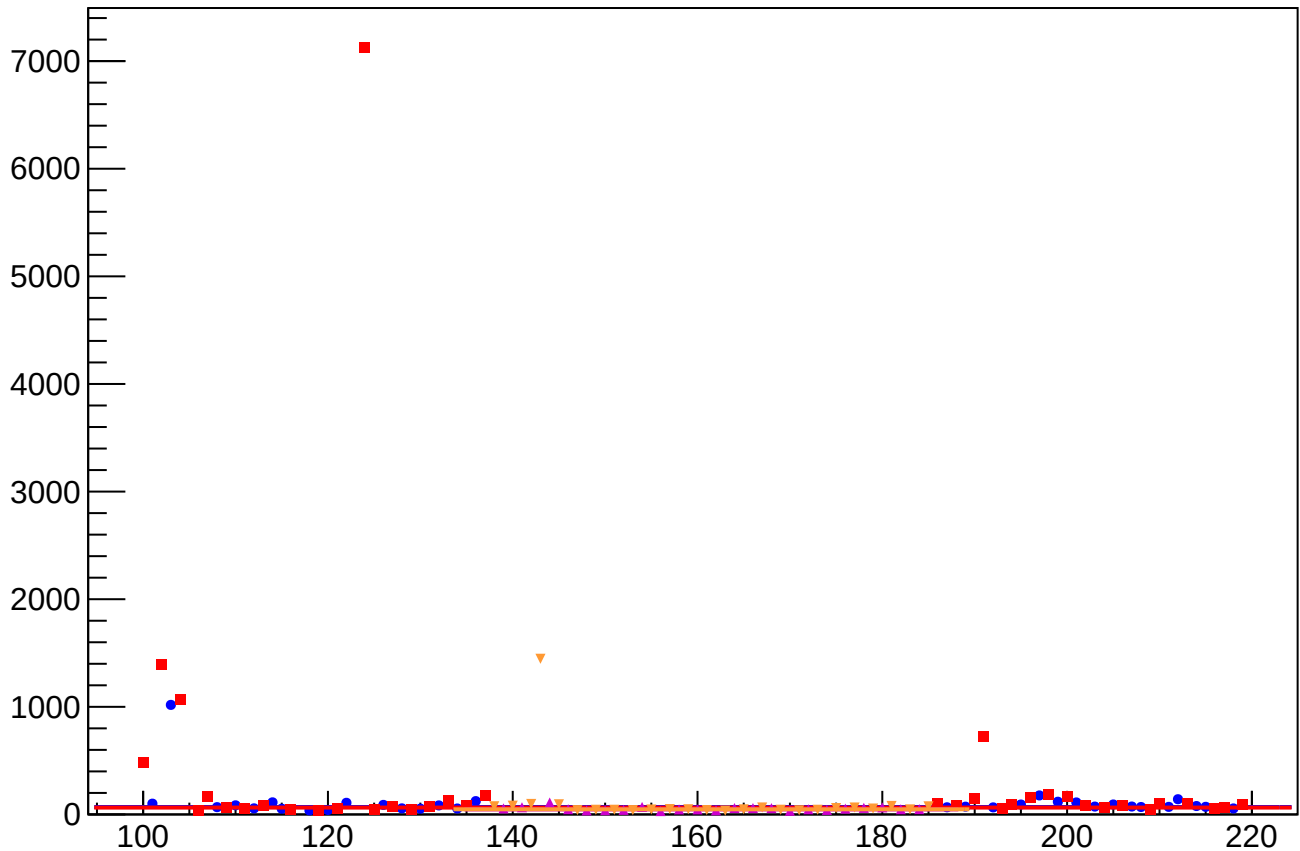
Left In: 0.018 $\pm$ 0.012 χ^2 /NDF: 20.3/22

+ sign 0.014 $\pm$ 0.010 χ^2 /NDF: 63.7/56

All: 0.016 $\pm$ 0.007 χ^2 /NDF: 116.1/116

- sign 0.017 $\pm$ 0.010 χ^2 /NDF: 52.4/59

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.913+/-0.013 χ^2/NDF : 4308038.6/31

Left Out: 47.901+/-0.009 χ^2/NDF : 3496596.6/24

Right Out: 64.008+/-0.012 χ^2/NDF : 6921287.3/36

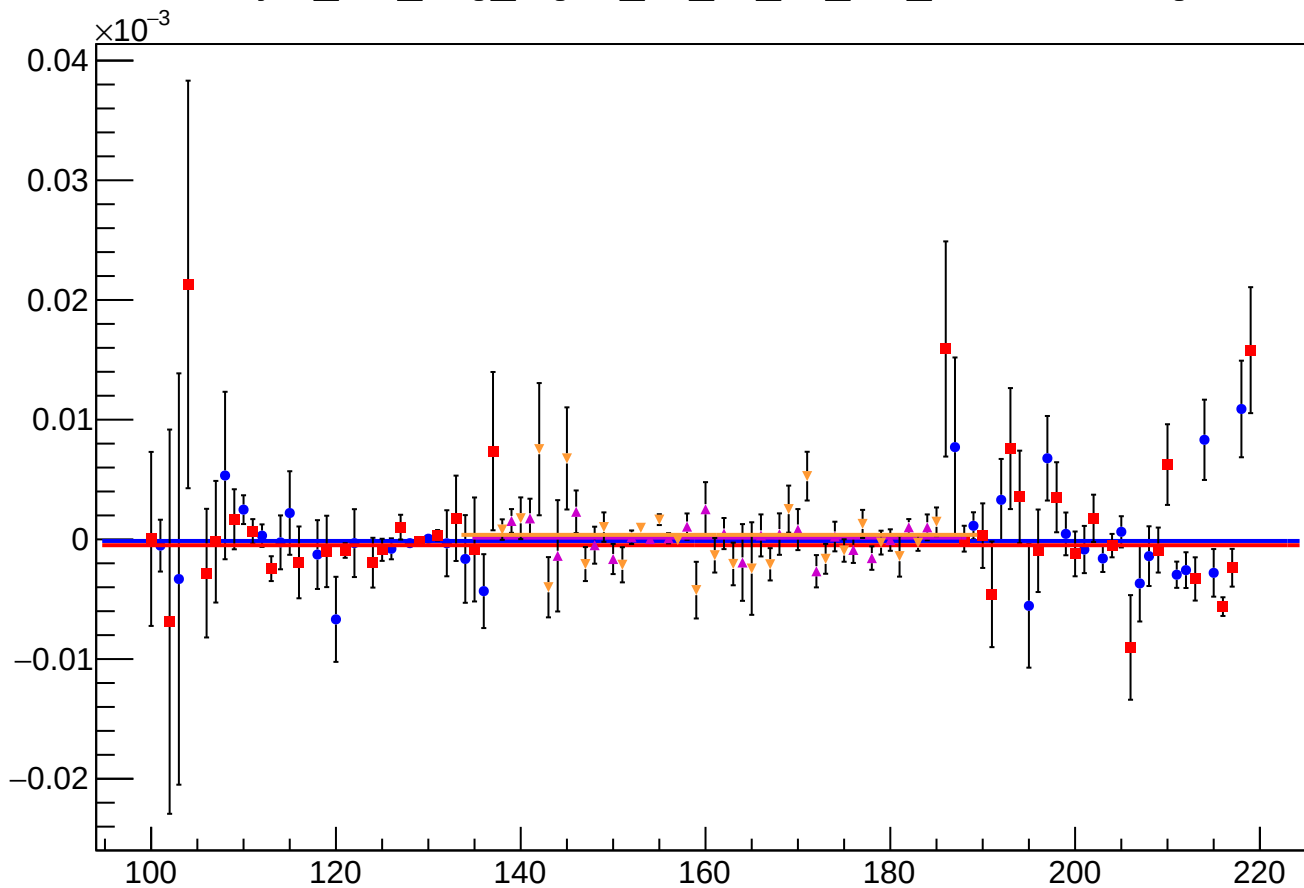
Left In: 46.786+/-0.009 χ^2/NDF : 1949486.1/22

+ sign 54.589+/-0.007 χ^2/NDF : 9620132.4/56

All: 53.518+/-0.005 χ^2/NDF : 19844003.6/116

- sign 52.500+/-0.007 χ^2/NDF : 10181496.0/59

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 49.9/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 51.7/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 93.7/36

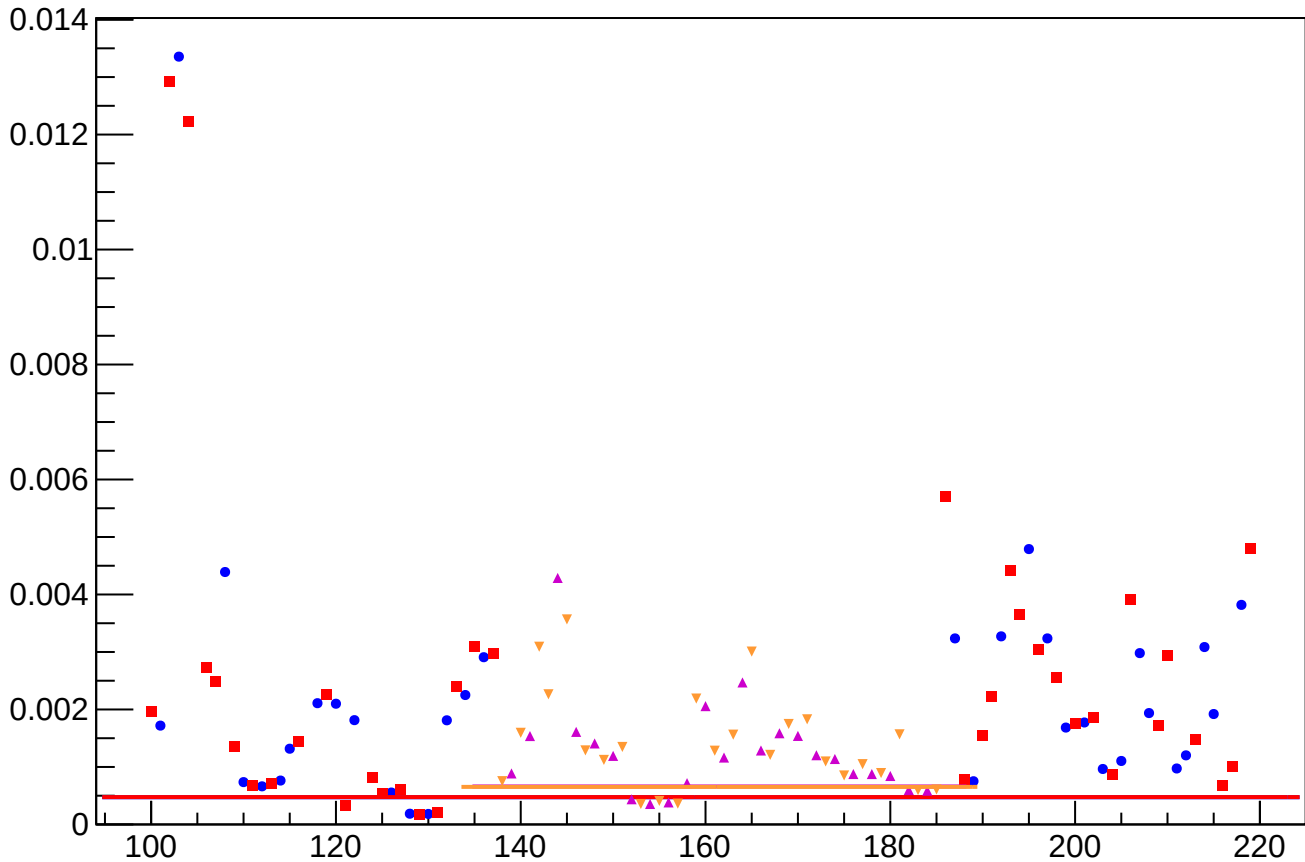
Left In: 0.000 ± 0.000 χ^2/NDF : 19.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 105.7/56

All: -0.000 ± 0.000 χ^2/NDF : 228.2/116

- sign -0.000 ± 0.000 χ^2/NDF : 119.6/59

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 23674785.5/31

Left Out: 0.001+/-0.000 χ^2/NDF : 12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23250000.3/36

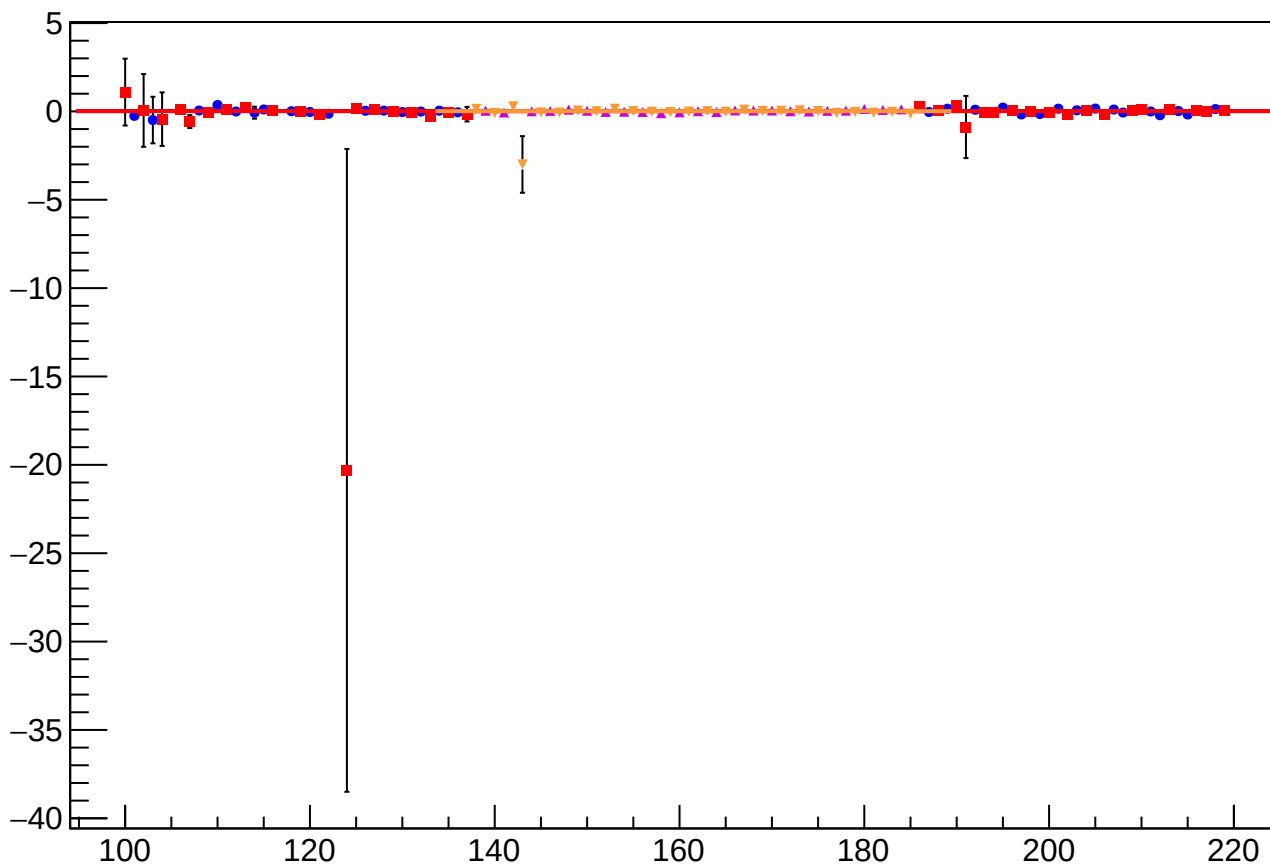
Left In: 0.001+/-0.000 χ^2/NDF : 9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF : 36764178.3/56

All: 0.001+/-0.000 χ^2/NDF : 70747562.1/116

- sign 0.001+/-0.000 χ^2/NDF : 33983355.8/59

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.021 ± 0.018 χ^2/NDF : 33.9/31

Left Out: 0.011 ± 0.012 χ^2/NDF : 29.6/24

Right Out: 0.014 ± 0.017 χ^2/NDF : 32.0/36

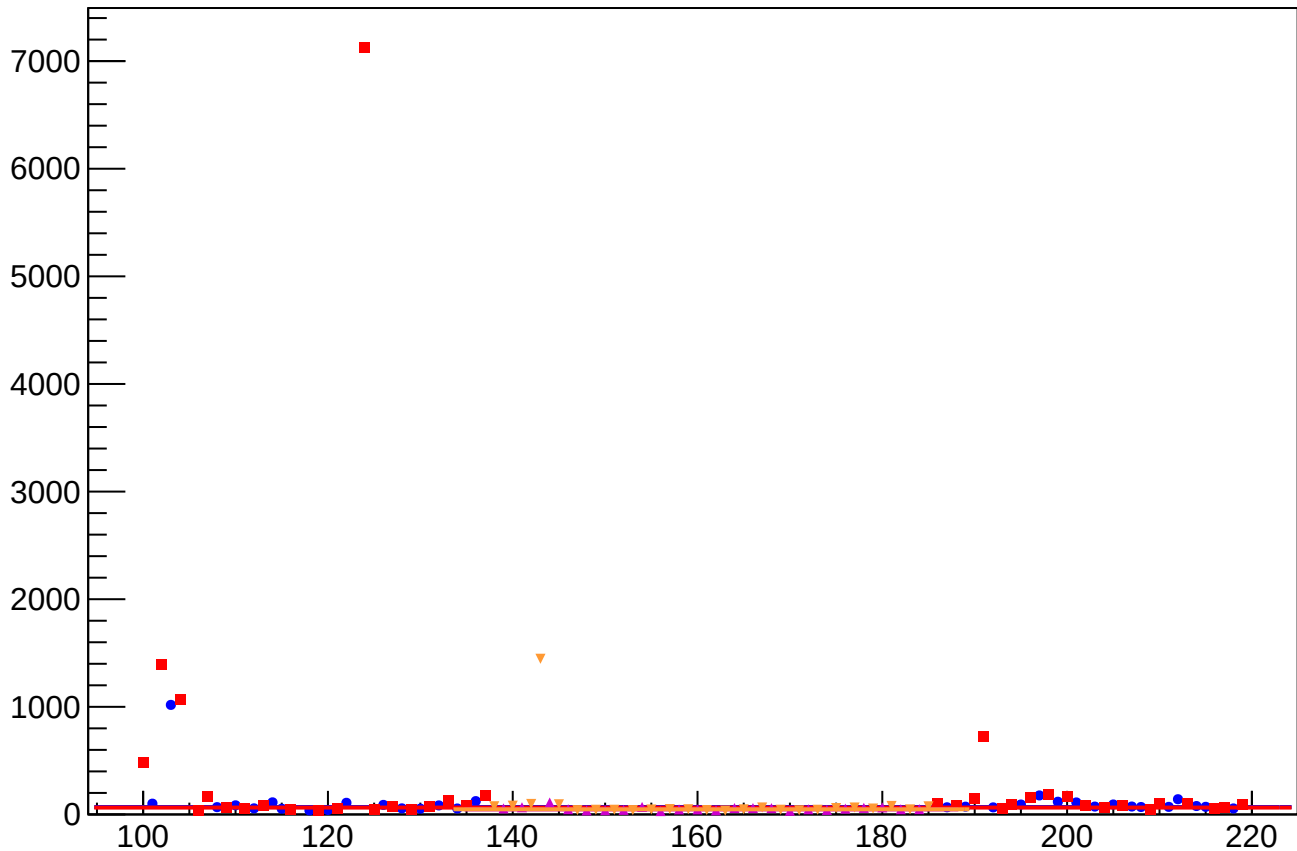
Left In: 0.018 ± 0.012 χ^2/NDF : 20.3/22

+ sign 0.014 ± 0.010 χ^2/NDF : 63.7/56

All: 0.016 ± 0.007 χ^2/NDF : 116.1/116

- sign 0.017 ± 0.010 χ^2/NDF : 52.4/59

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.913 ± 0.013 χ^2/NDF : 4308101.6/31

Left Out: 47.902 ± 0.009 χ^2/NDF : 3496571.8/24

Right Out: 64.007 ± 0.012 χ^2/NDF : 6921482.3/36

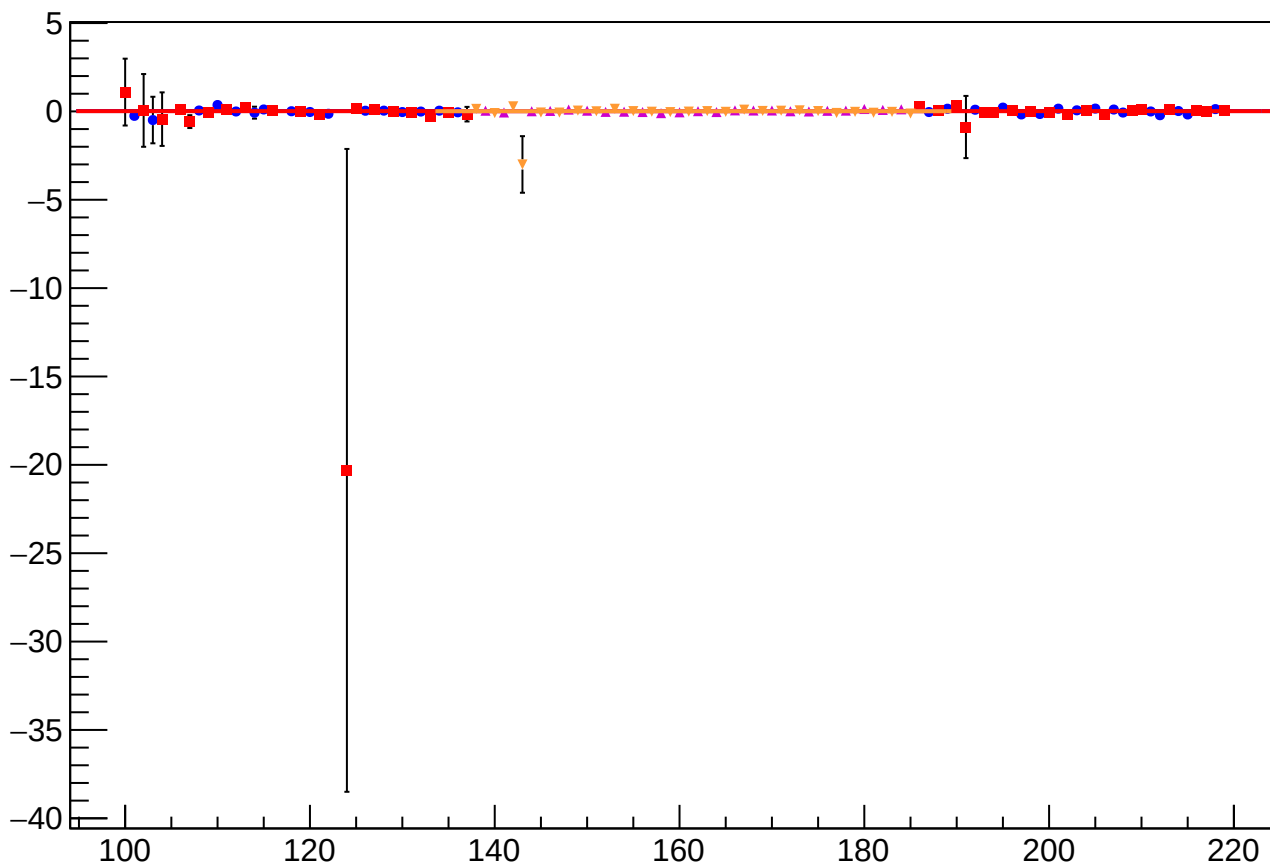
Left In: 46.786 ± 0.009 χ^2/NDF : 1949480.3/22

+ sign 54.589 ± 0.007 χ^2/NDF : 9620154.8/56

All: 53.518 ± 0.005 χ^2/NDF : 19844130.3/116

- sign 52.500 ± 0.007 χ^2/NDF : 10181583.3/59

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021 $\pm$ 0.018 χ^2 /NDF: 33.9/31

Left Out: 0.011 $\pm$ 0.012 χ^2 /NDF: 29.6/24

Right Out: 0.014 $\pm$ 0.017 χ^2 /NDF: 32.0/36

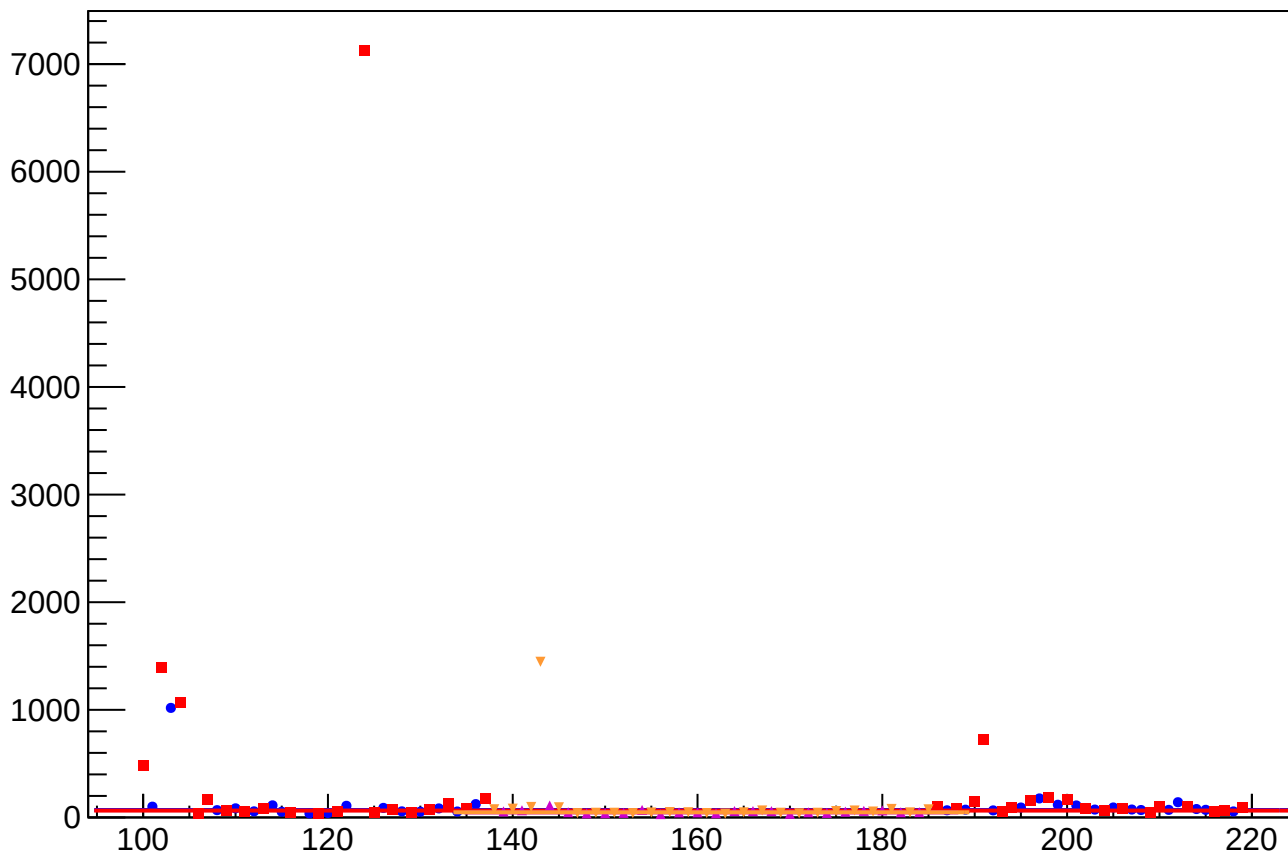
Left In: 0.018 $\pm$ 0.012 χ^2 /NDF: 20.3/22

+ sign 0.014 $\pm$ 0.010 χ^2 /NDF: 63.7/56

All: 0.016 $\pm$ 0.007 χ^2 /NDF: 116.1/116

- sign 0.017 $\pm$ 0.010 χ^2 /NDF: 52.4/59

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.913+/-0.013 χ^2/NDF : 4308101.6/31

Left Out: 47.902+/-0.009 χ^2/NDF : 3496571.8/24

Right Out: 64.007+/-0.012 χ^2/NDF : 6921482.3/36

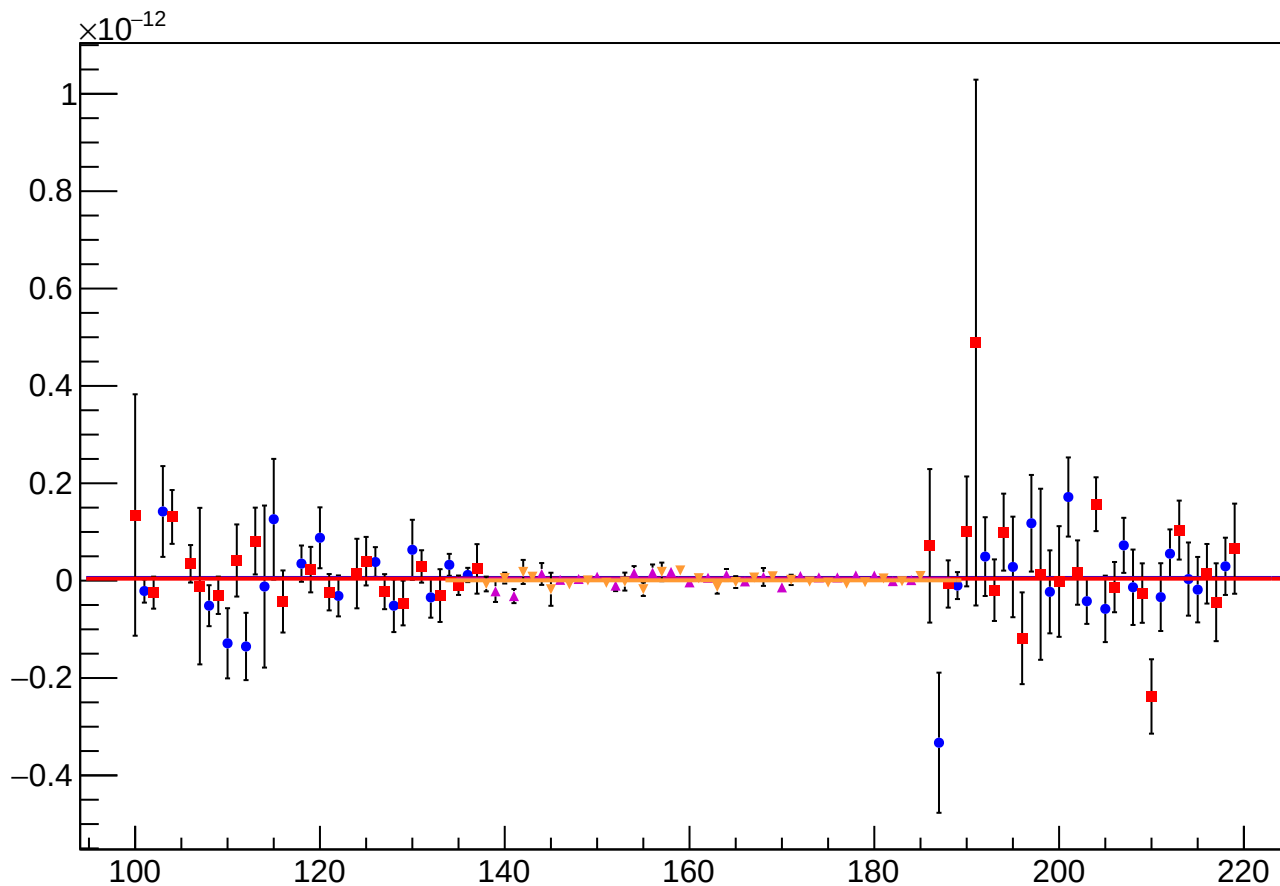
Left In: 46.786+/-0.009 χ^2/NDF : 1949480.3/22

+ sign 54.589+/-0.007 χ^2/NDF : 9620154.8/56

All: 53.518+/-0.005 χ^2/NDF : 19844130.3/116

- sign 52.500+/-0.007 χ^2/NDF : 10181583.3/59

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.4/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.1/36

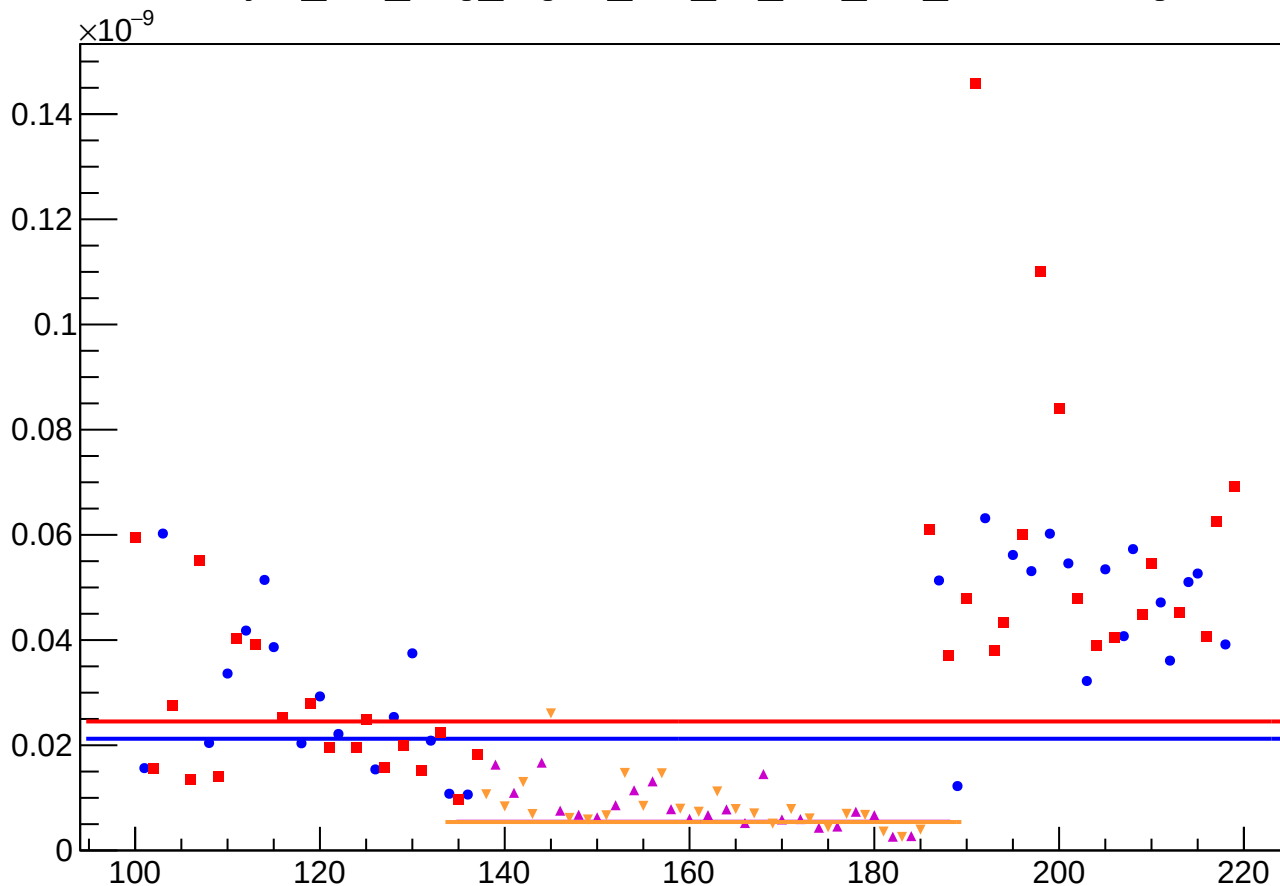
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:21.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 54.9/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 118.3/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 62.9/59

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7188283.5/31

Left Out: 0.000+/-0.000 χ^2/NDF : 5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6587109.4/36

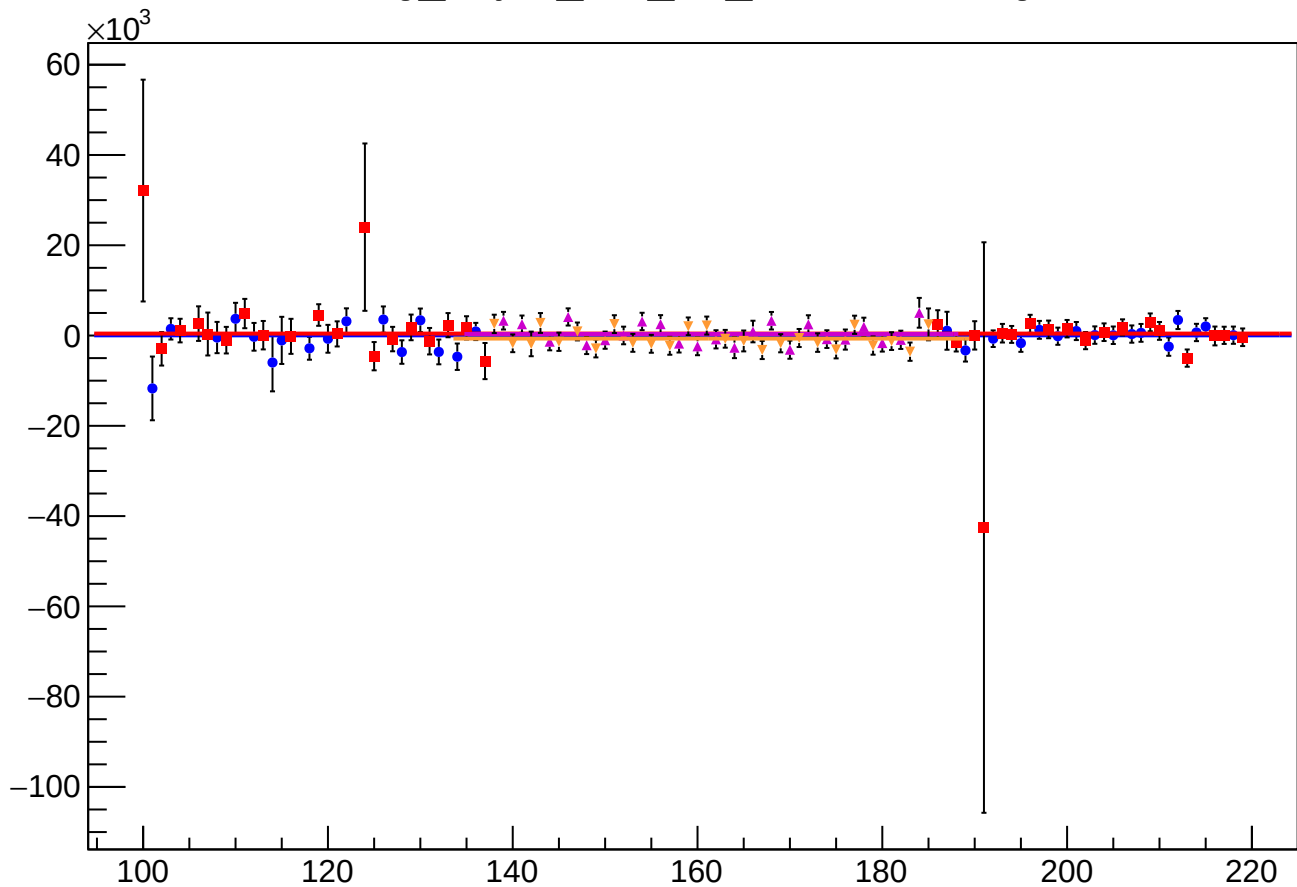
Left In: 0.000+/-0.000 χ^2/NDF : 4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 20814642.0/56

All: 0.000+/-0.000 χ^2/NDF : 41941744.3/116

- sign 0.000+/-0.000 χ^2/NDF : 21125506.3/59

reg_asym_at1_dd_mean vs Slug



Right In: 46.707 ± 414.737 χ^2/NDF : 26.6/31

Left Out: -670.041 ± 412.206 χ^2/NDF : 24.7/24

Right Out: 431.447 ± 407.380 χ^2/NDF : 31.0/36

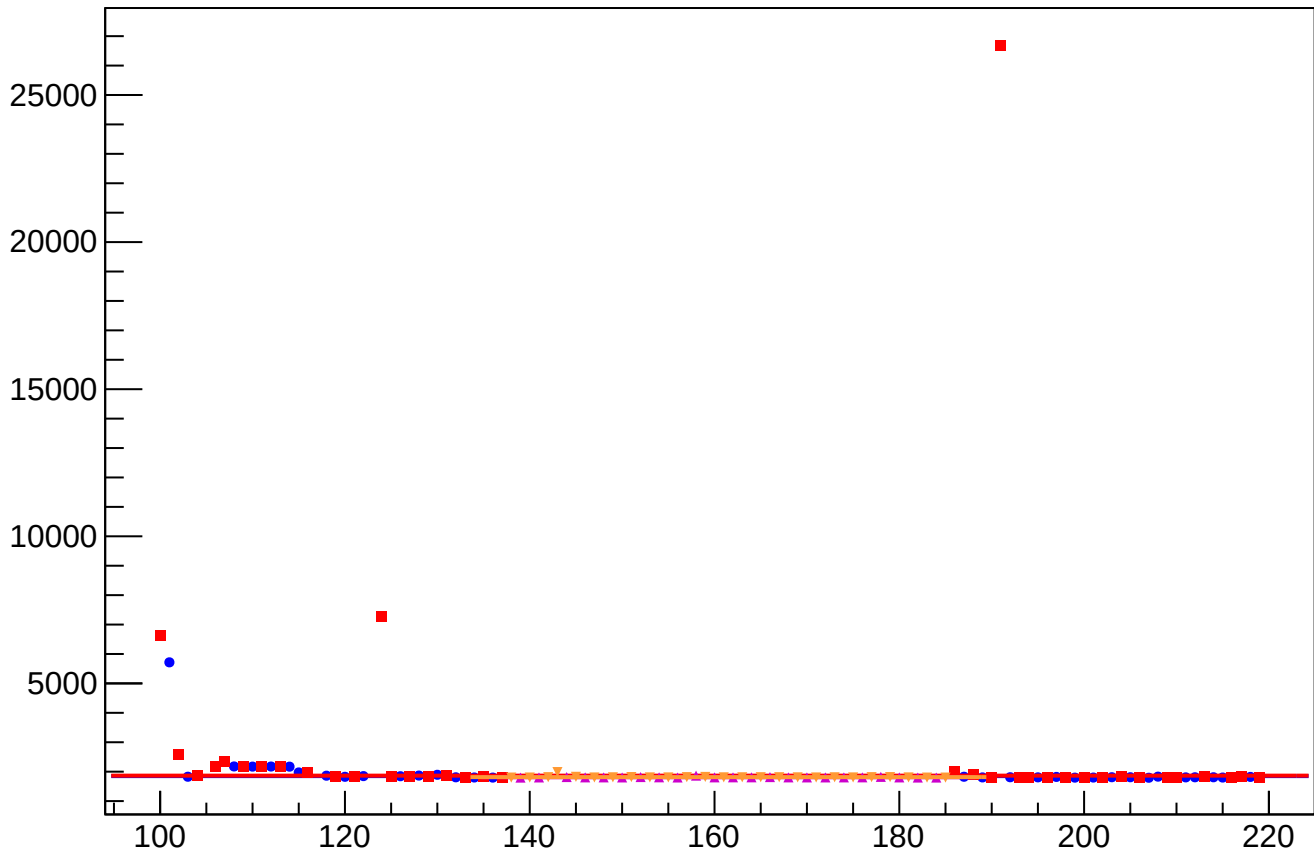
Left In: 342.945 ± 422.712 χ^2/NDF : 30.1/22

+ sign -313.861 ± 292.364 χ^2/NDF : 52.8/56

All: 36.324 ± 207.074 χ^2/NDF : 116.8/116

- sign 388.830 ± 293.332 χ^2/NDF : 61.1/59

reg_asym_at1_dd_rms vs Slug



Right In: 1848.938 $\pm$ 0.293 χ^2 /NDF: 680161.6/31

Left Out: 1814.435 $\pm$ 0.291 χ^2 /NDF:13102.1/24

Right Out: 1864.918 $\pm$ 0.288 χ^2 /NDF: 761350.5/36

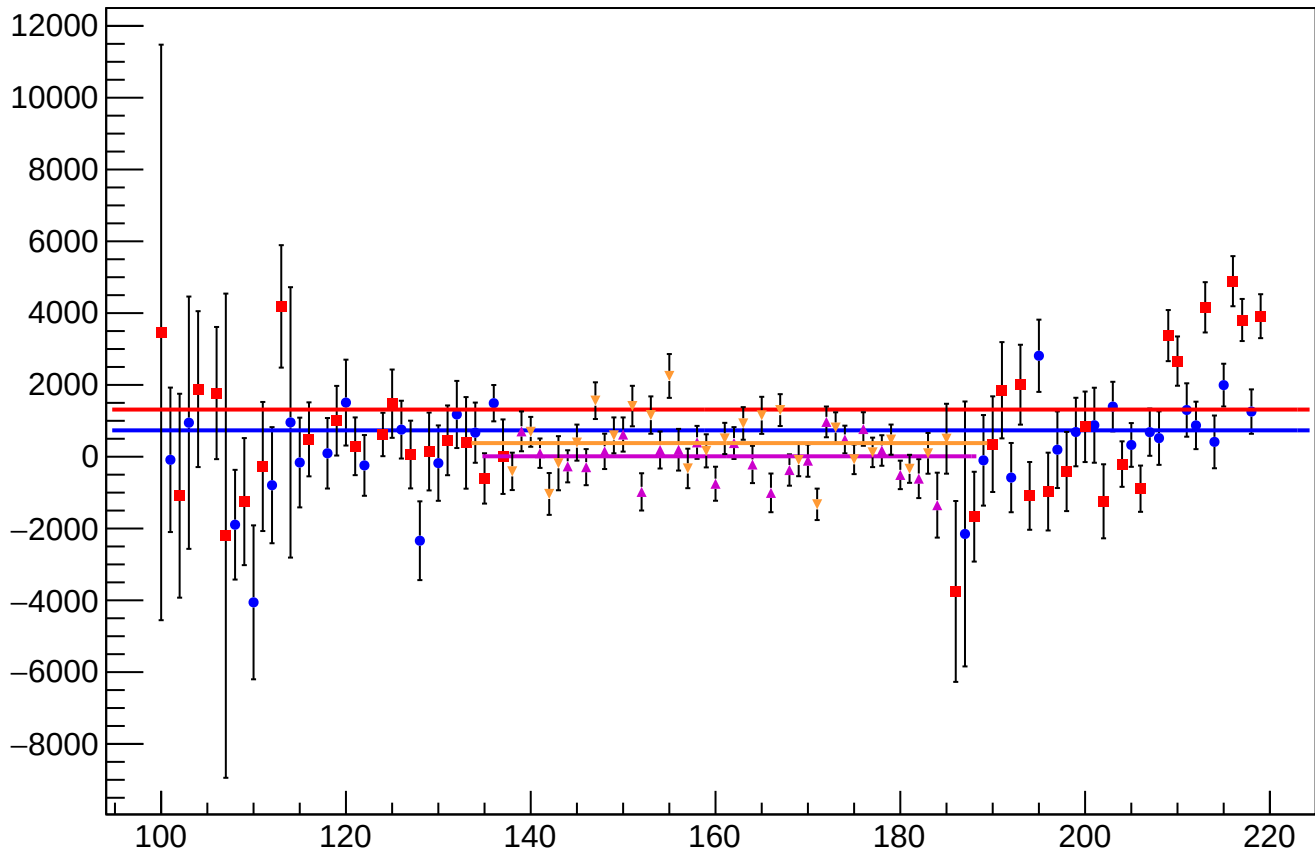
Left In: 1810.457 $\pm$ 0.299 χ^2 /NDF:1967.2/22

+ sign 1831.581 $\pm$ 0.207 χ^2 /NDF: 700227.2/56

All: 1835.125 $\pm$ 0.146 χ^2 /NDF: 1481346.6/11

- sign 1838.693 $\pm$ 0.207 χ^2 /NDF: 780529.5/59

asym_at1_dd_reg_correction_mean vs Slug



Right In: 734.211 $\pm$ 156.364 χ^2/NDF : 37.7/31

Left Out: 379.353 $\pm$ 97.013 χ^2/NDF : 62.3/24

Right Out: 1313.543 $\pm$ 154.657 χ^2/NDF : 163.1/36

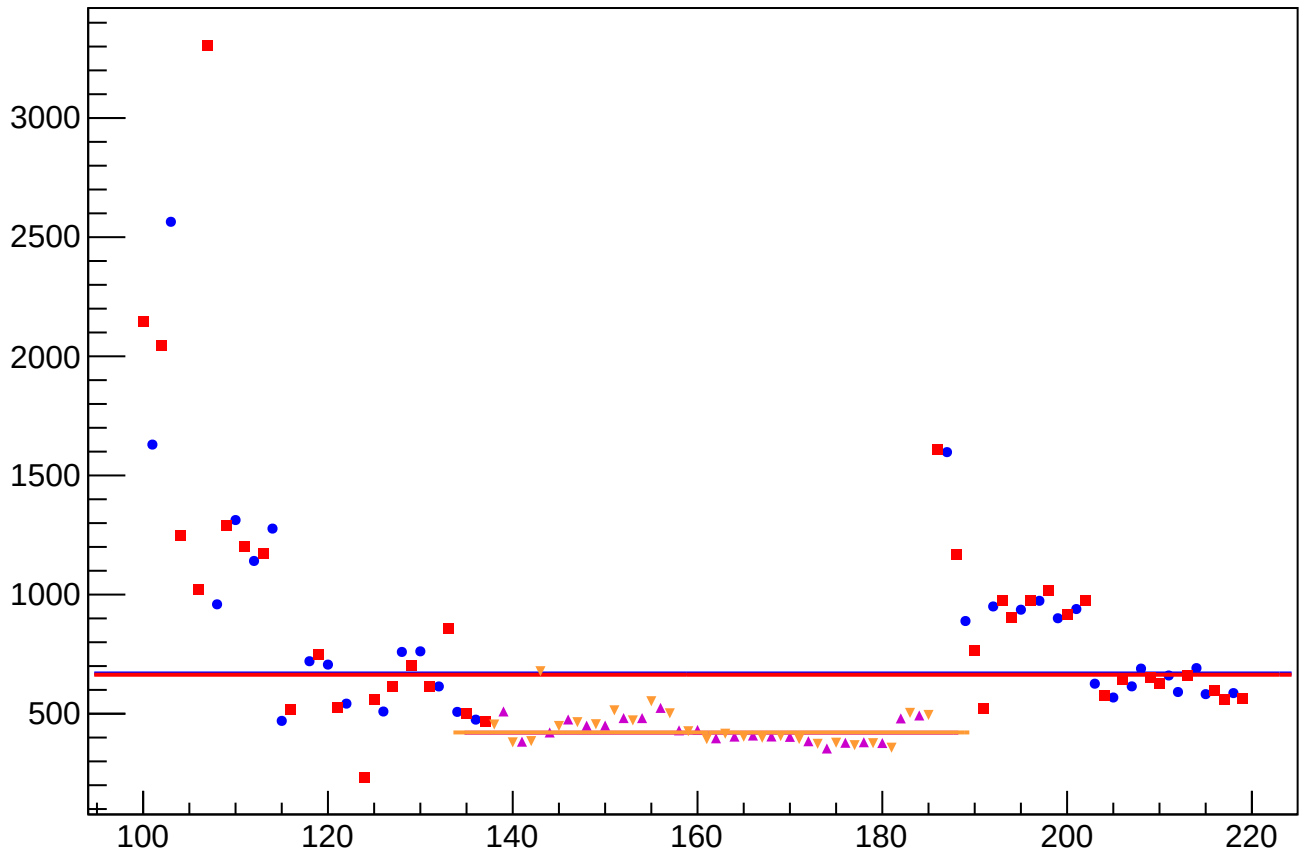
Left In: 11.527 $\pm$ 98.976 χ^2/NDF : 31.1/22

+ sign 477.984 $\pm$ 82.436 χ^2/NDF : 103.7/56

All: 434.408 $\pm$ 58.617 χ^2/NDF : 348.8/116

- sign 389.843 $\pm$ 83.366 χ^2/NDF : 244.5/59

asym_at1_dd_reg_correction_rms vs Slug



Right In: 668.932 $\pm$ 0.111 χ^2 /NDF: 3197702.6/31

Left Out: 421.417 $\pm$ 0.069 χ^2 /NDF: 743048.1/24

Right Out: 663.672 $\pm$ 0.109 χ^2 /NDF: 4862617.2/36

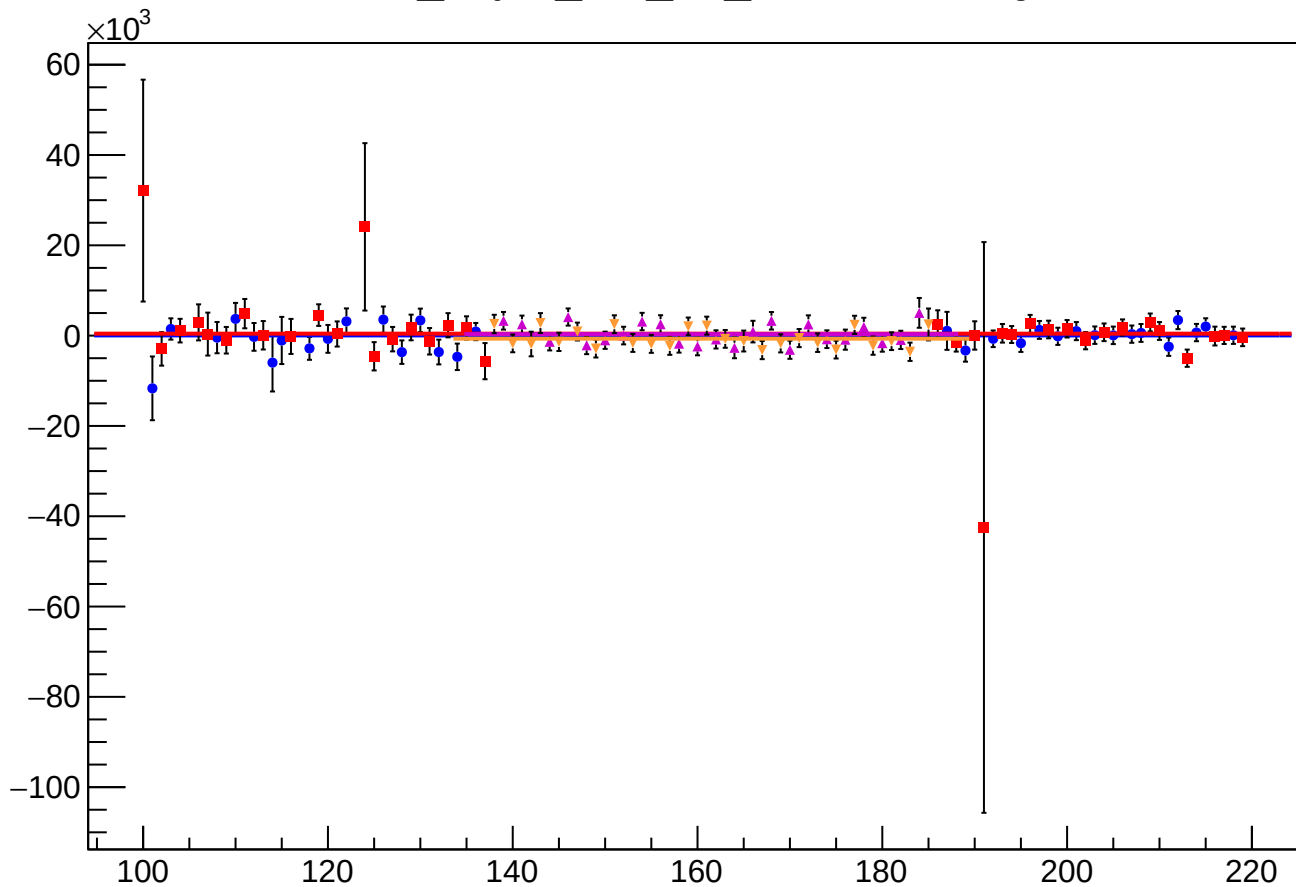
Left In: 420.222 $\pm$ 0.070 χ^2 /NDF: 413129.7/22

+ sign 490.212 $\pm$ 0.058 χ^2 /NDF: 7559272.7/56

All: 490.582 $\pm$ 0.041 χ^2 /NDF: 16350918.5/11

- sign 490.959 $\pm$ 0.059 χ^2 /NDF: 8791564.5/59

cor_asym_at1_dd_mean vs Slug



Right In: 47.039 $\pm$ 414.737 χ^2 /NDF: 26.6/31

Left Out: -670.031 $\pm$ 412.206 χ^2 /NDF: 24.7/24

Right Out: 432.704 $\pm$ 407.562 χ^2 /NDF: 31.1/36

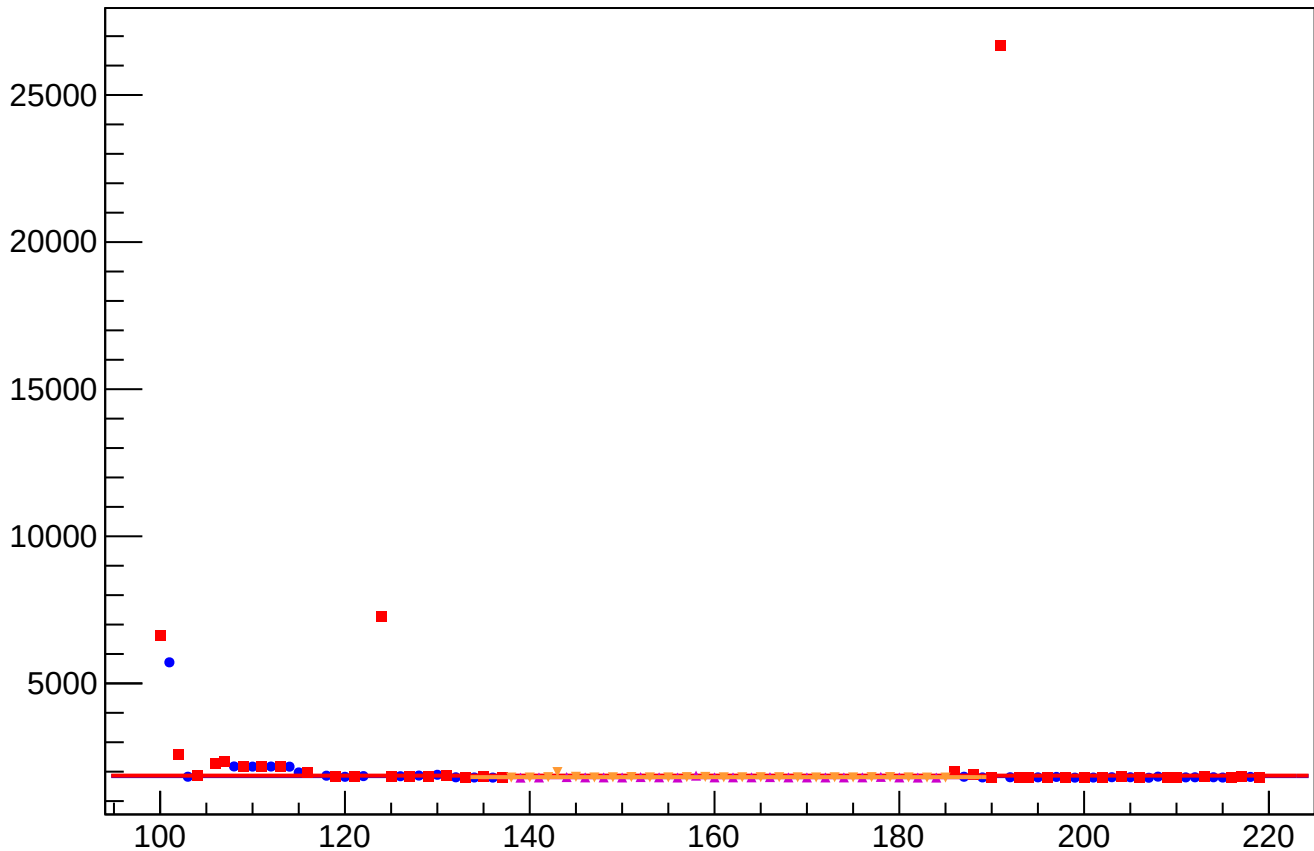
Left In: 342.989 $\pm$ 422.712 χ^2 /NDF: 30.1/22

+ sign -313.692 $\pm$ 292.364 χ^2 /NDF: 52.8/56

All: 36.653 $\pm$ 207.098 χ^2 /NDF: 116.9/116

- sign 389.483 $\pm$ 293.400 χ^2 /NDF: 61.2/59

cor_asym_at1_dd_rms vs Slug



Right In: 1848.938 $\pm$ 0.293 χ^2 /NDF: 680161.5/31

Left Out: 1814.435 $\pm$ 0.291 χ^2 /NDF:13102.1/24

Right Out: 1865.484 $\pm$ 0.288 χ^2 /NDF: 767699.9/36

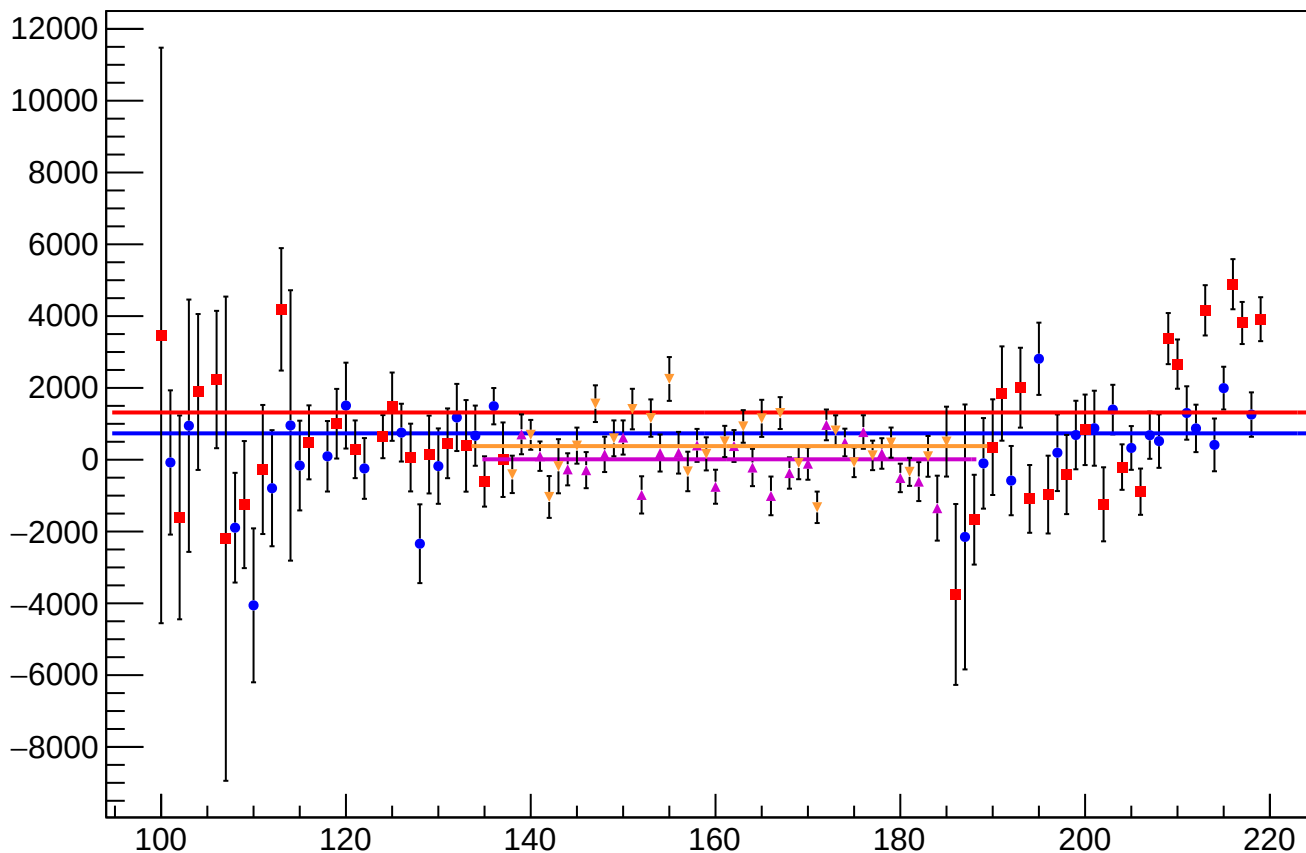
Left In: 1810.457 $\pm$ 0.299 χ^2 /NDF:1967.2/22

+ sign 1831.581 $\pm$ 0.207 χ^2 /NDF: 700227.1/56

All: 1835.265 $\pm$ 0.146 χ^2 /NDF: 1488095.4/11

- sign 1838.974 $\pm$ 0.207 χ^2 /NDF: 787231.0/59

asym_at1_dd_cor_correction_mean vs Slug



Right In: 734.316+/-156.362 χ^2/NDF : 37.7/31

Left Out: 379.343+/-97.014 χ^2/NDF : 62.3/24

Right Out: 1315.839+/-154.578 χ^2/NDF : 163.6/36

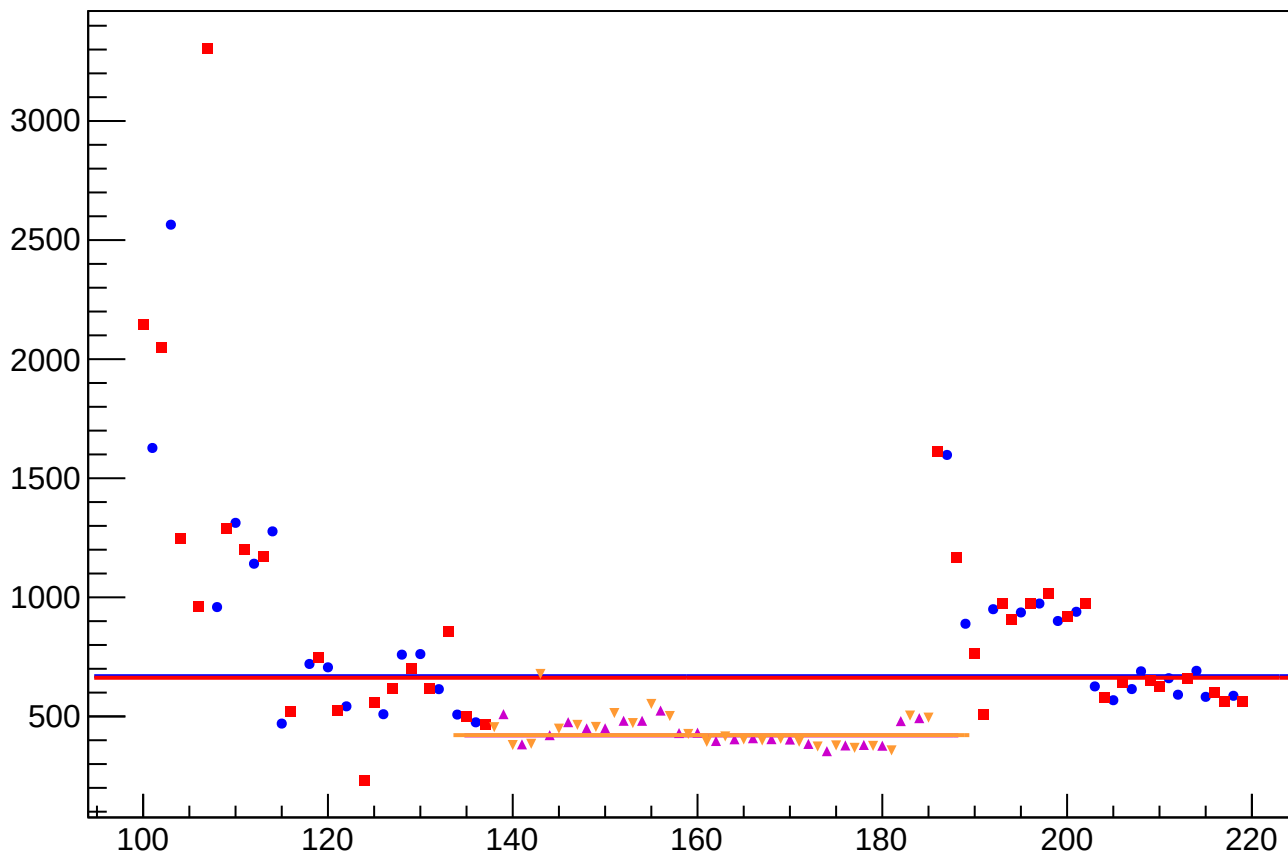
Left In: 11.539+/-98.975 χ^2/NDF : 31.1/22

+ sign 478.009+/-82.436 χ^2/NDF : 103.7/56

All: 434.880+/-58.613 χ^2/NDF : 349.5/116

- sign 390.787+/-83.353 χ^2/NDF : 245.2/59

asym_at1_dd_cor_correction_rms vs Slug



Right In: 668.931+/-0.111 χ^2/NDF : 3196876.6/31

Left Out: 421.420+/-0.069 χ^2/NDF : 742987.6/24

Right Out: 662.321+/-0.109 χ^2/NDF : 4866440.8/36

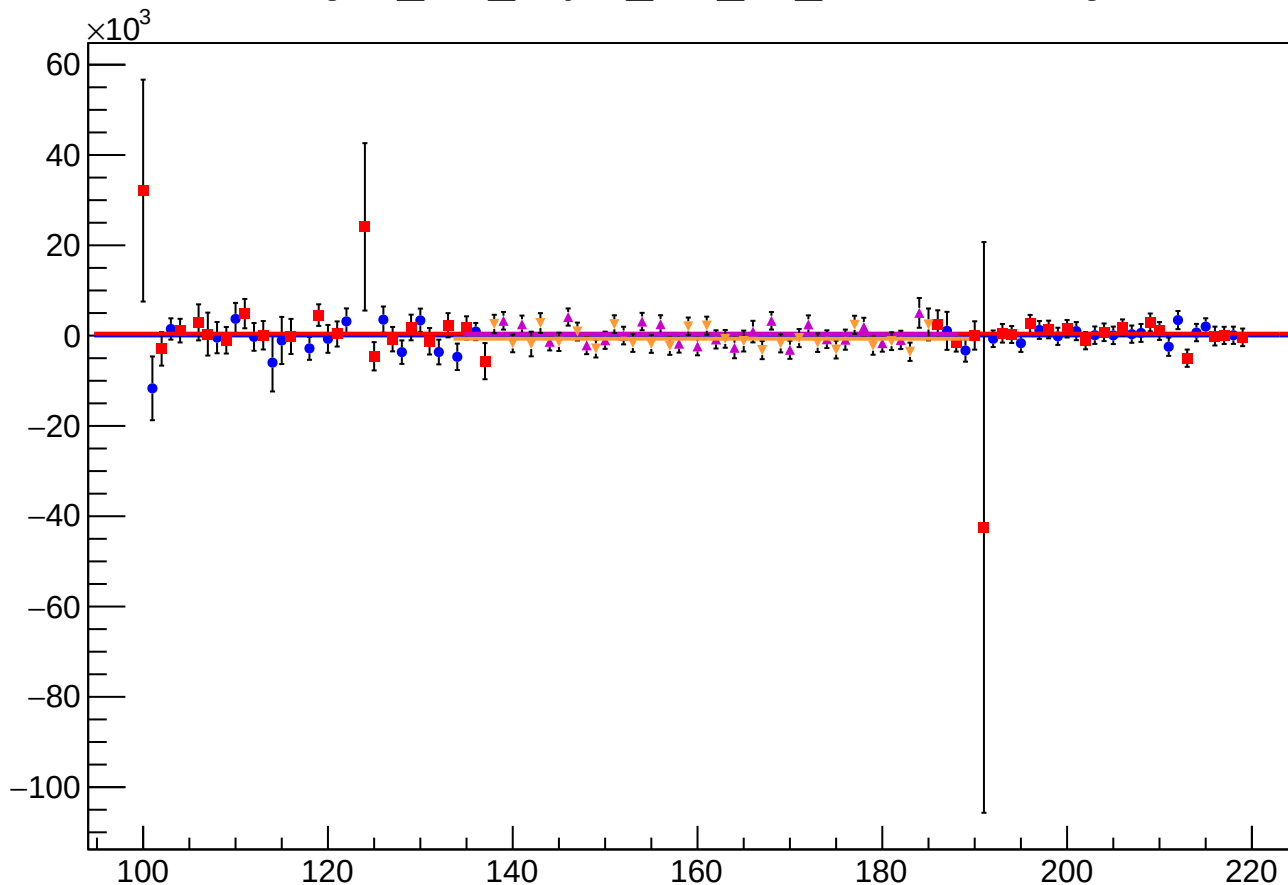
Left In: 420.218+/-0.070 χ^2/NDF : 413172.4/22

+ sign 490.216+/-0.058 χ^2/NDF : 7558328.8/56

All: 490.413+/-0.041 χ^2/NDF : 16317488.7/11

- sign 490.614+/-0.059 χ^2/NDF : 8759136.9/59

eigen_cor_asym_at1_dd_mean vs Slug



Right In: 47.039 ± 414.737 χ^2/NDF : 26.6/31

Left Out: -670.031 ± 412.206 χ^2/NDF : 24.7/24

Right Out: 432.704 ± 407.562 χ^2/NDF : 31.1/36

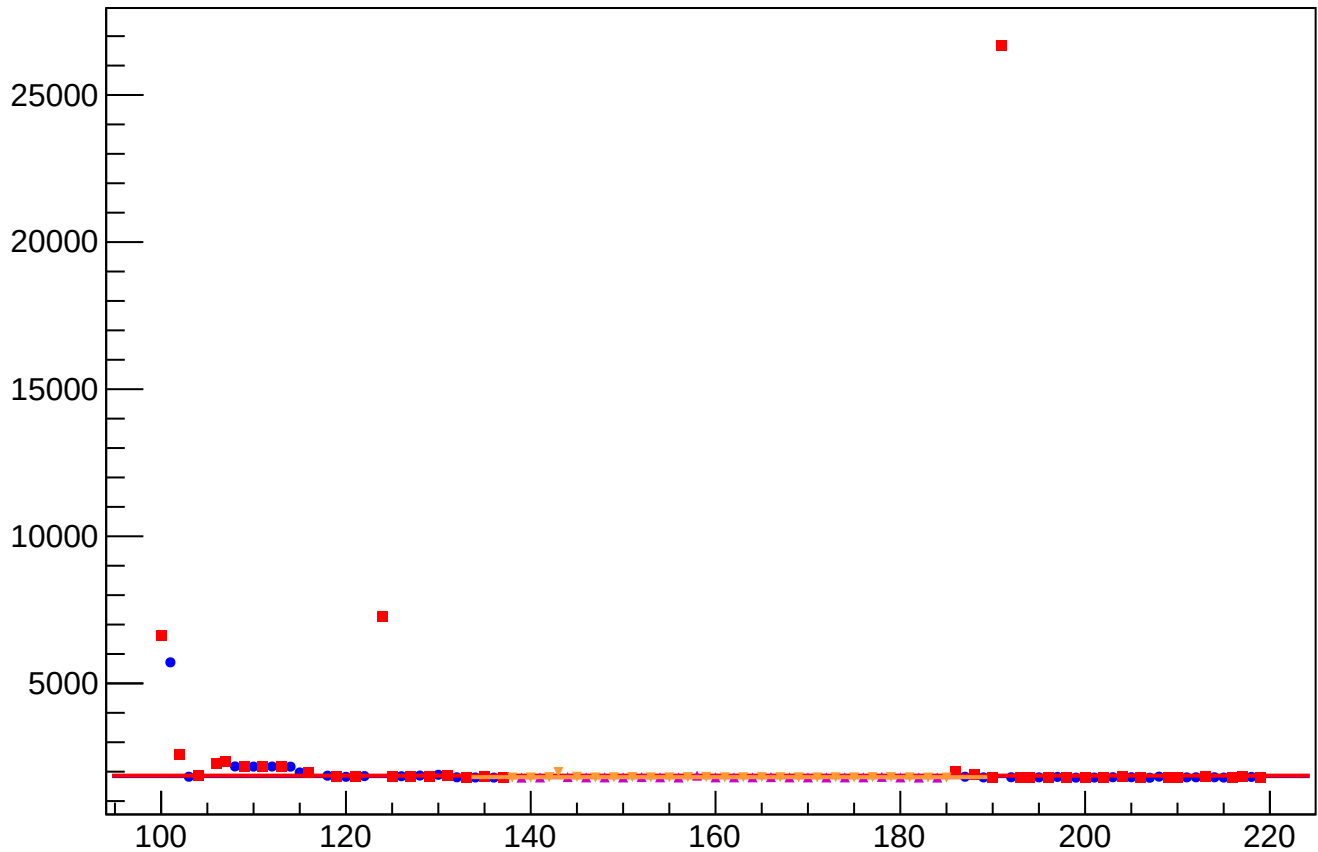
Left In: 342.989 ± 422.712 χ^2/NDF : 30.1/22

+ sign -313.692 ± 292.364 χ^2/NDF : 52.8/56

All: 36.653 ± 207.098 χ^2/NDF : 116.9/116

- sign 389.483 ± 293.400 χ^2/NDF : 61.2/59

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1848.938+/-0.293 χ^2 /NDF: 680161.5/31

Left Out: 1814.435+/-0.291 χ^2 /NDF: 13102.1/24

Right Out: 1865.484+/-0.288 χ^2 /NDF: 767699.9/36

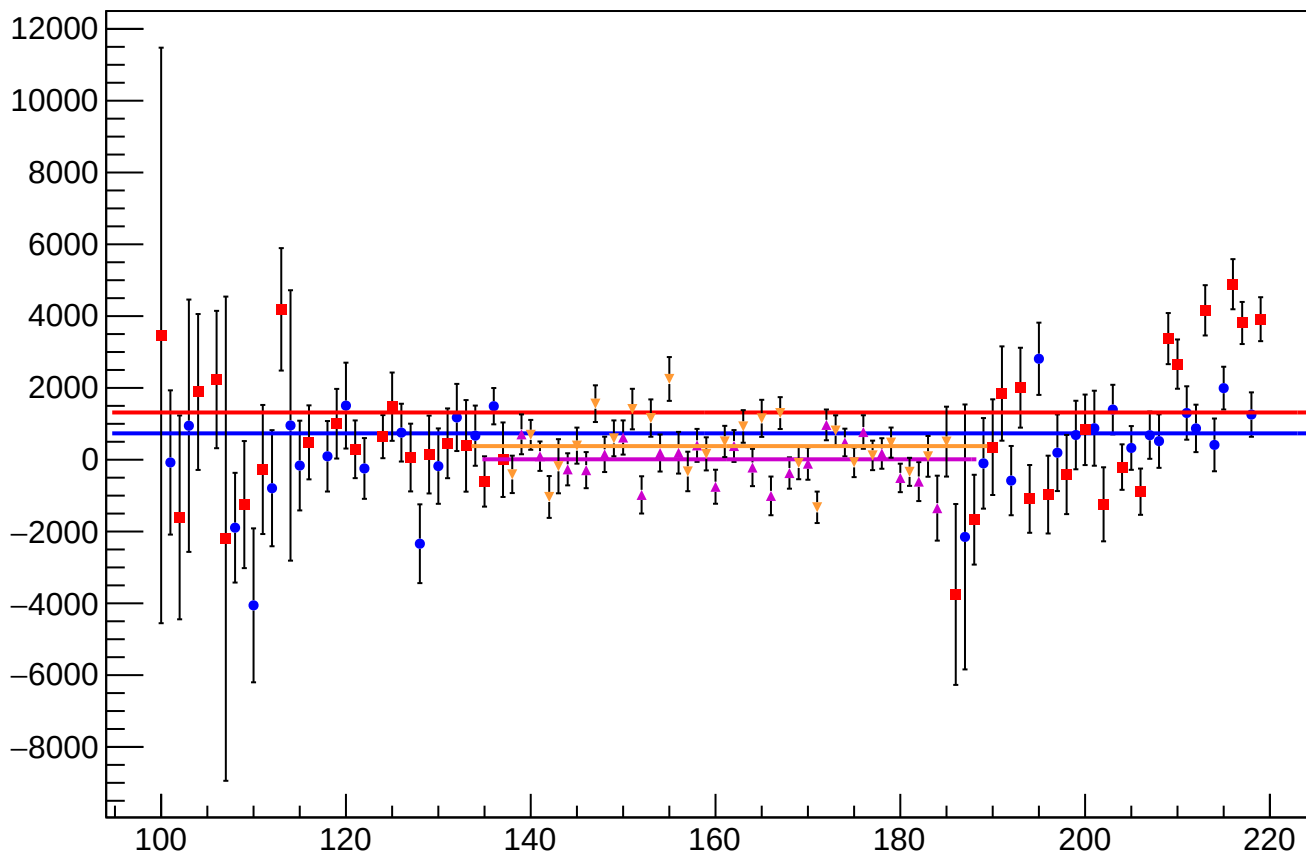
Left In: 1810.457+/-0.299 χ^2 /NDF: 1967.2/22

+ sign 1831.581+/-0.207 χ^2 /NDF: 700227.1/56

All: 1835.265+/-0.146 χ^2 /NDF: 1488095.4/11

- sign 1838.974+/-0.207 χ^2 /NDF: 787231.0/59

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 734.316 $\pm$ 156.362 χ^2 /NDF: 37.7/31

Left Out: 379.343 $\pm$ 97.014 χ^2 /NDF: 62.3/24

Right Out: 1315.839 $\pm$ 154.578 χ^2 /NDF: 163.6/36

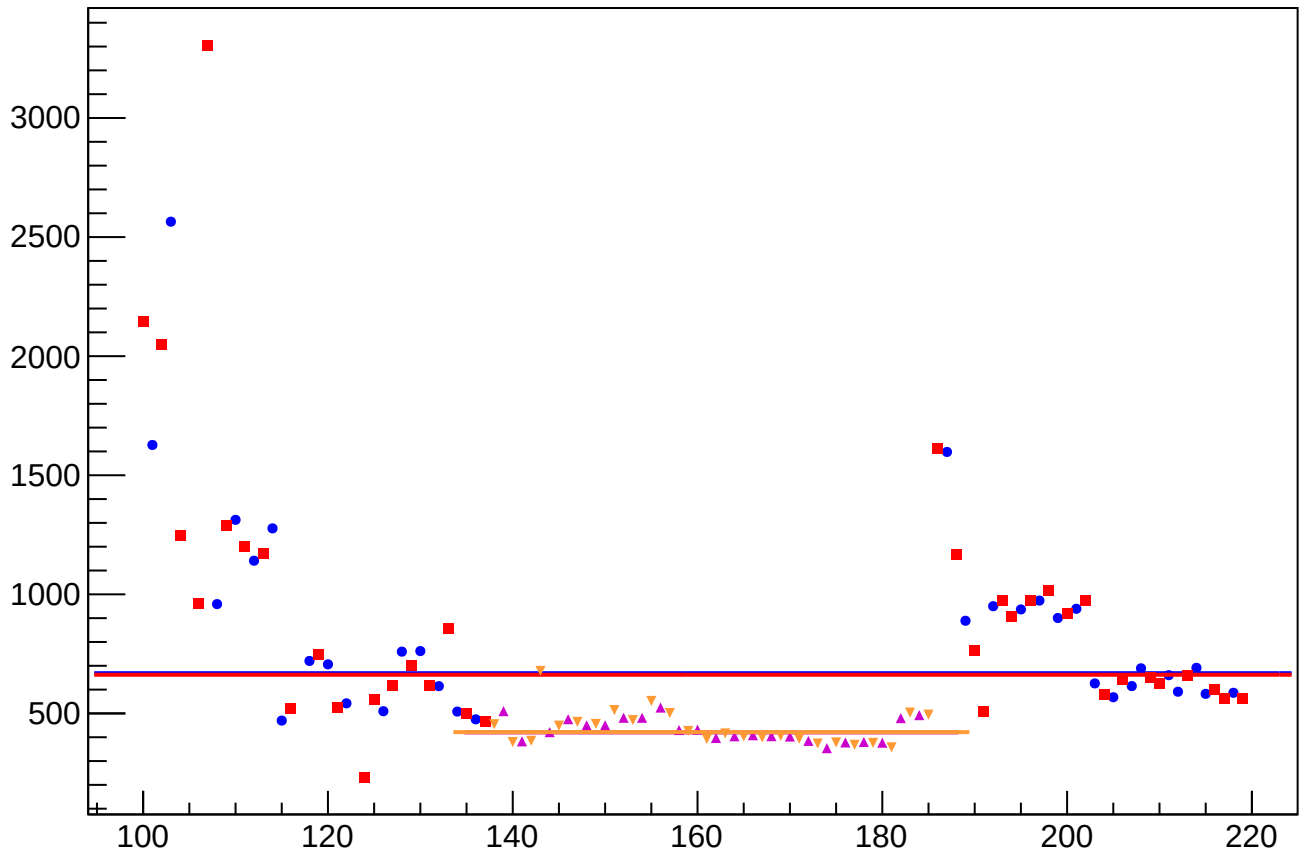
Left In: 11.539 $\pm$ 98.975 χ^2 /NDF: 31.1/22

+ sign 478.009 $\pm$ 82.436 χ^2 /NDF: 103.7/56

All: 434.880 $\pm$ 58.613 χ^2 /NDF: 349.5/116

- sign 390.787 $\pm$ 83.353 χ^2 /NDF: 245.2/59

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 668.931+/-0.111 χ^2/NDF : 3196876.6/31

Left Out: 421.420+/-0.069 χ^2/NDF : 742987.6/24

Right Out: 662.321+/-0.109 χ^2/NDF : 4866440.8/36

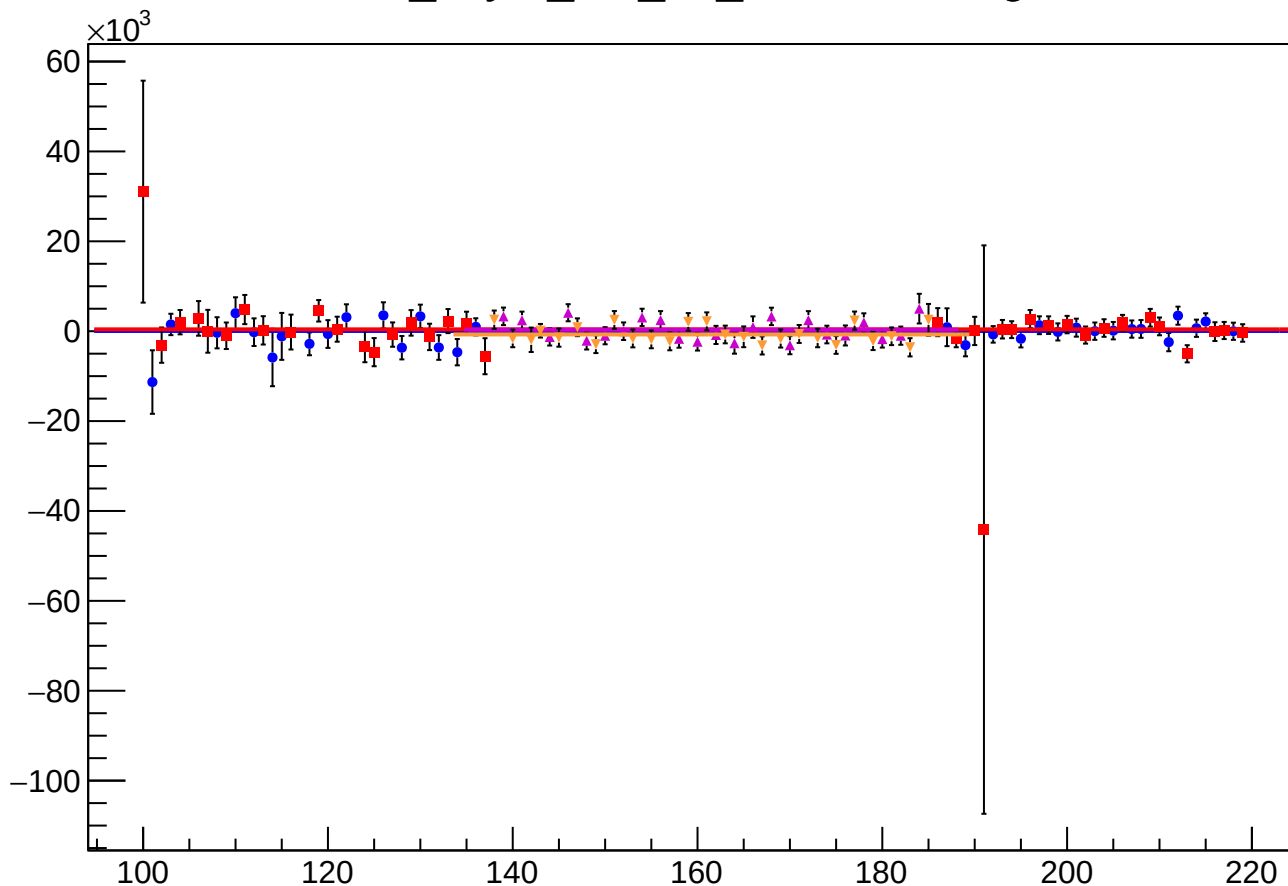
Left In: 420.218+/-0.070 χ^2/NDF : 413172.4/22

+ sign 490.216+/-0.058 χ^2/NDF : 7558328.8/56

All: 490.413+/-0.041 χ^2/NDF : 16317488.7/11

- sign 490.614+/-0.059 χ^2/NDF : 8759136.9/59

dit_asym_at1_dd_mean vs Slug



Right In: 57.979+/-415.141 χ^2 /NDF: 26.3/31

Left Out: -724.527+/-404.417 χ^2 /NDF: 22.2/24

Right Out: 409.971+/-405.905 χ^2 /NDF: 30.6/36

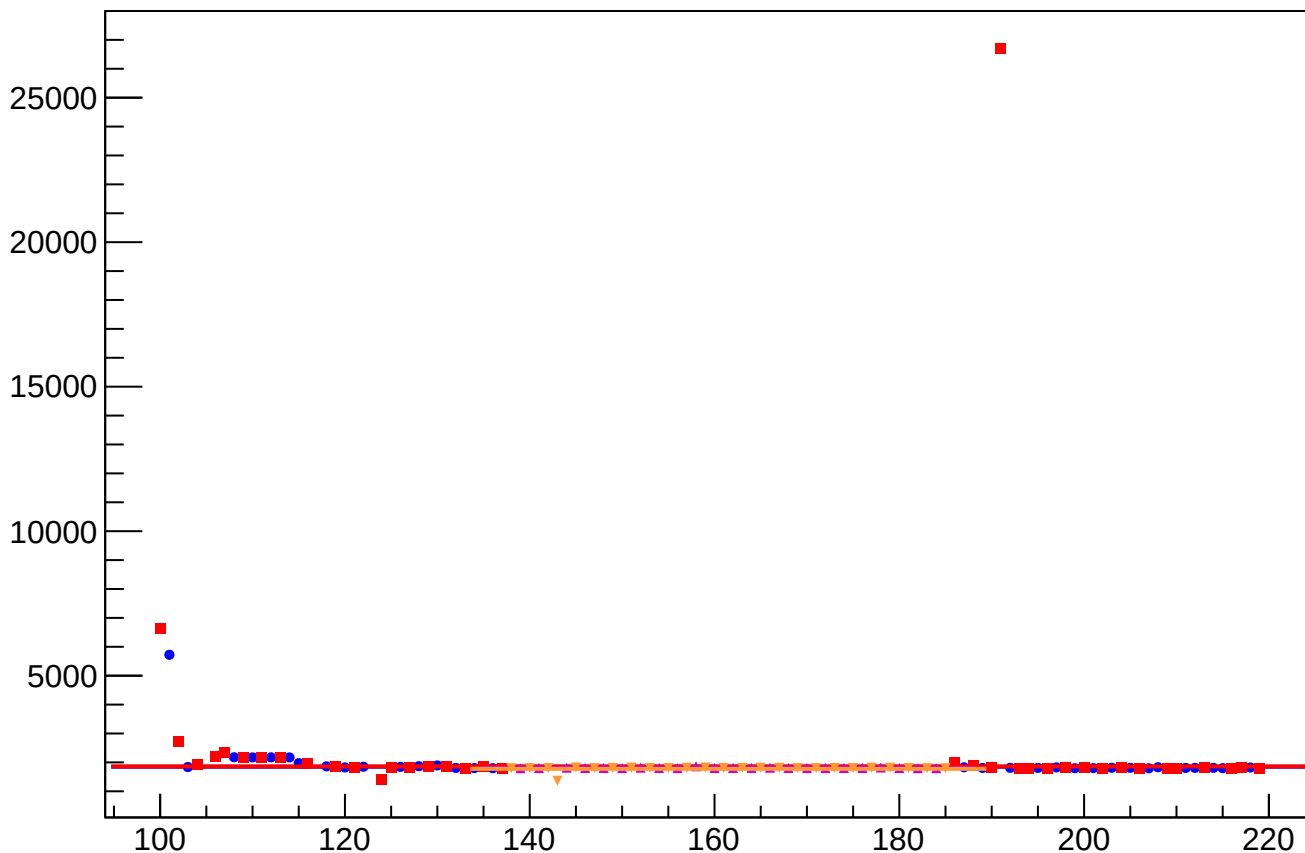
Left In: 341.223+/-422.858 χ^2 /NDF: 29.6/22

+ sign -343.511+/-289.683 χ^2 /NDF: 50.3/56

All: 12.856+/-205.940 χ^2 /NDF: 113.6/116

- sign 377.003+/-292.828 χ^2 /NDF: 60.2/59

dit_asym_at1_dd_rms vs Slug



Right In: 1850.640 $\pm$ 0.294 χ^2 /NDF: 680046.8/31

Left Out: 1776.721 $\pm$ 0.286 χ^2 /NDF: 161294.8/24

Right Out: 1859.478 $\pm$ 0.287 χ^2 /NDF: 641409.4/36

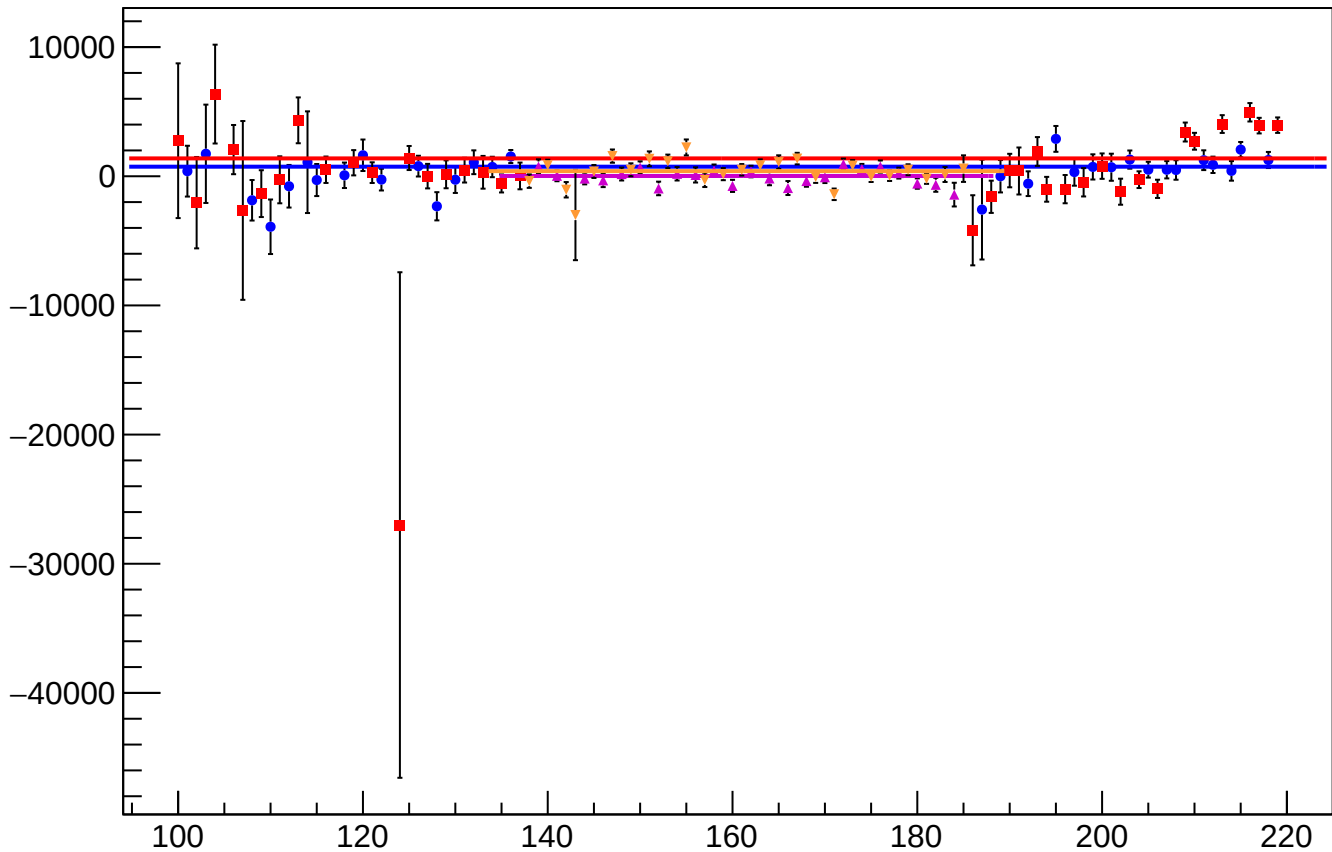
Left In: 1811.084 $\pm$ 0.299 χ^2 /NDF: 1965.1/22

+ sign 1812.713 $\pm$ 0.205 χ^2 /NDF: 873875.2/56

All: 1824.365 $\pm$ 0.146 χ^2 /NDF: 1537425.1/11

- sign 1836.270 $\pm$ 0.207 χ^2 /NDF: 657008.3/59

asym_at1_dd_dit_correction_mean vs Slug



Right In: 741.180 ± 156.441 χ^2/NDF : 38.1/31

Left Out: 398.269 ± 99.165 χ^2/NDF : 60.5/24

Right Out: 1382.341 ± 161.667 χ^2/NDF : 165.6/36

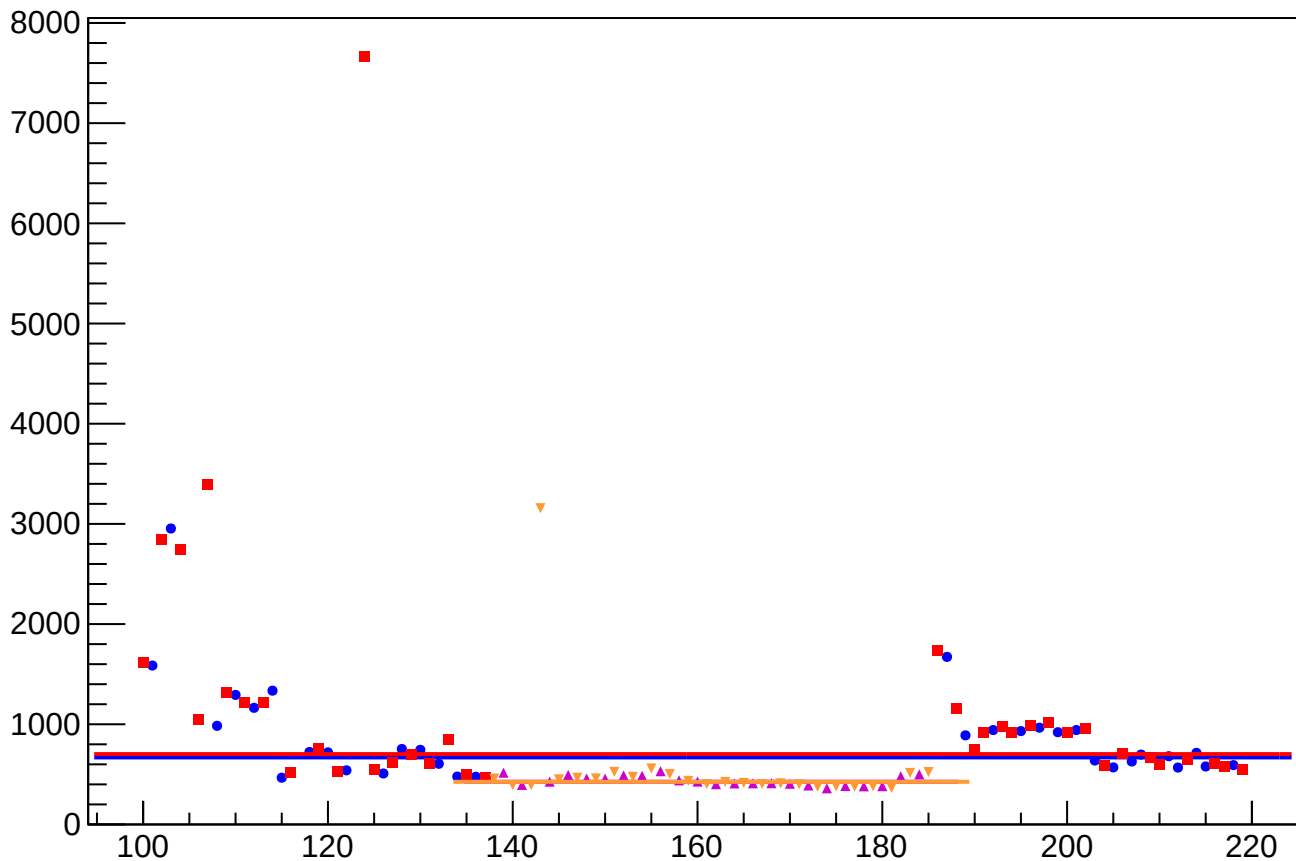
Left In: 21.453 ± 100.264 χ^2/NDF : 30.8/22

+ sign 496.558 ± 83.756 χ^2/NDF : 102.1/56

All: 448.859 ± 59.731 χ^2/NDF : 350.4/116

- sign 399.492 ± 85.207 χ^2/NDF : 247.7/59

asym_at1_dd_dit_correction_rms vs Slug



Right In: 668.972 $\pm$ 0.111 χ^2 /NDF: 3406026.9/31

Left Out: 425.697 $\pm$ 0.070 χ^2 /NDF:1718145.2/24

Right Out: 702.341 $\pm$ 0.114 χ^2 /NDF: 4796440.2/36

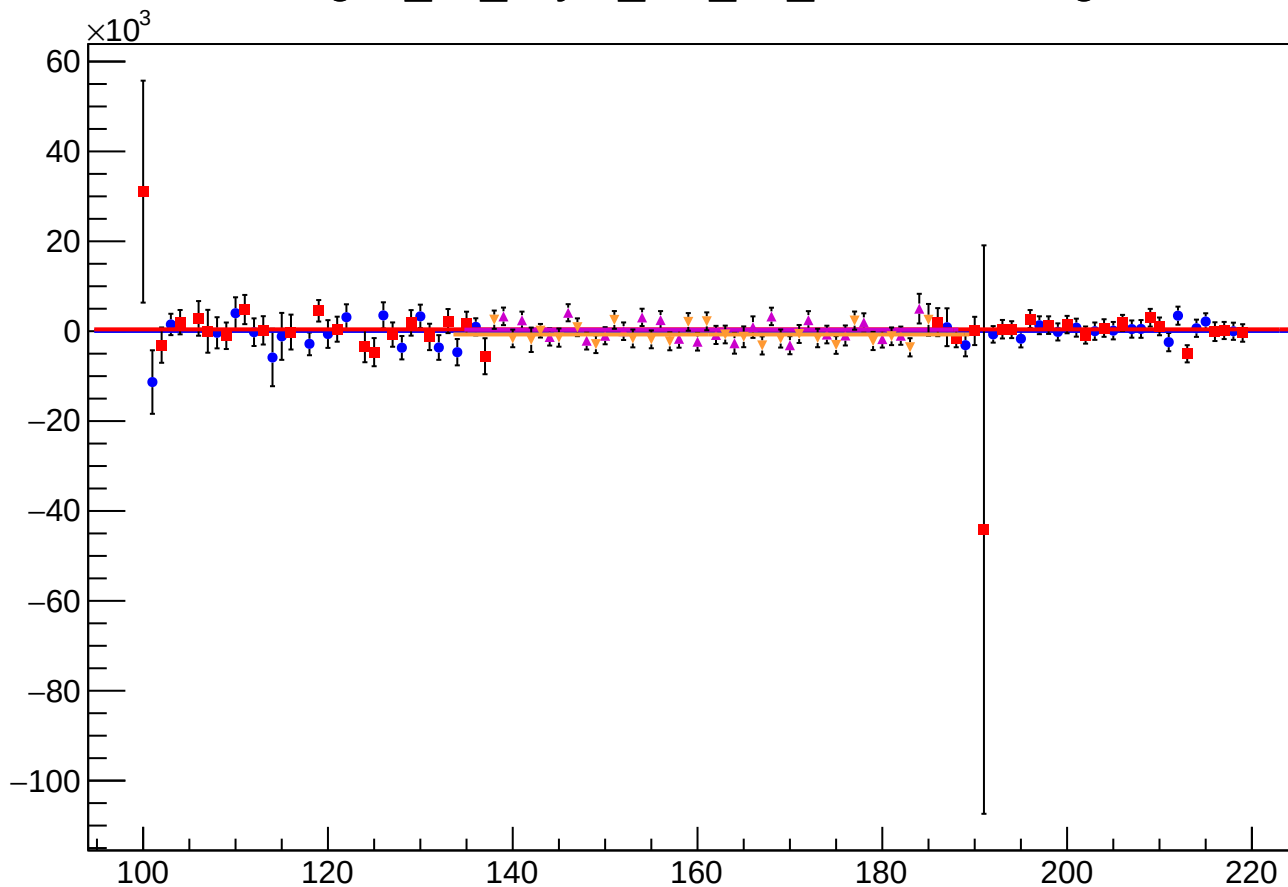
Left In: 426.144 $\pm$ 0.071 χ^2 /NDF:415411.7/22

+ sign 495.427 $\pm$ 0.059 χ^2 /NDF: 8574303.4/56

All: 499.084 $\pm$ 0.042 χ^2 /NDF: 18009815.1/11

- sign 502.869 $\pm$ 0.060 χ^2 /NDF: 9427753.7/59

eigen_dit_asym_at1_dd_mean vs Slug



Right In: 57.976 ± 415.141 χ^2/NDF : 26.3/31

Left Out: -724.528 ± 404.417 χ^2/NDF : 22.2/24

Right Out: 409.969 ± 405.905 χ^2/NDF : 30.6/36

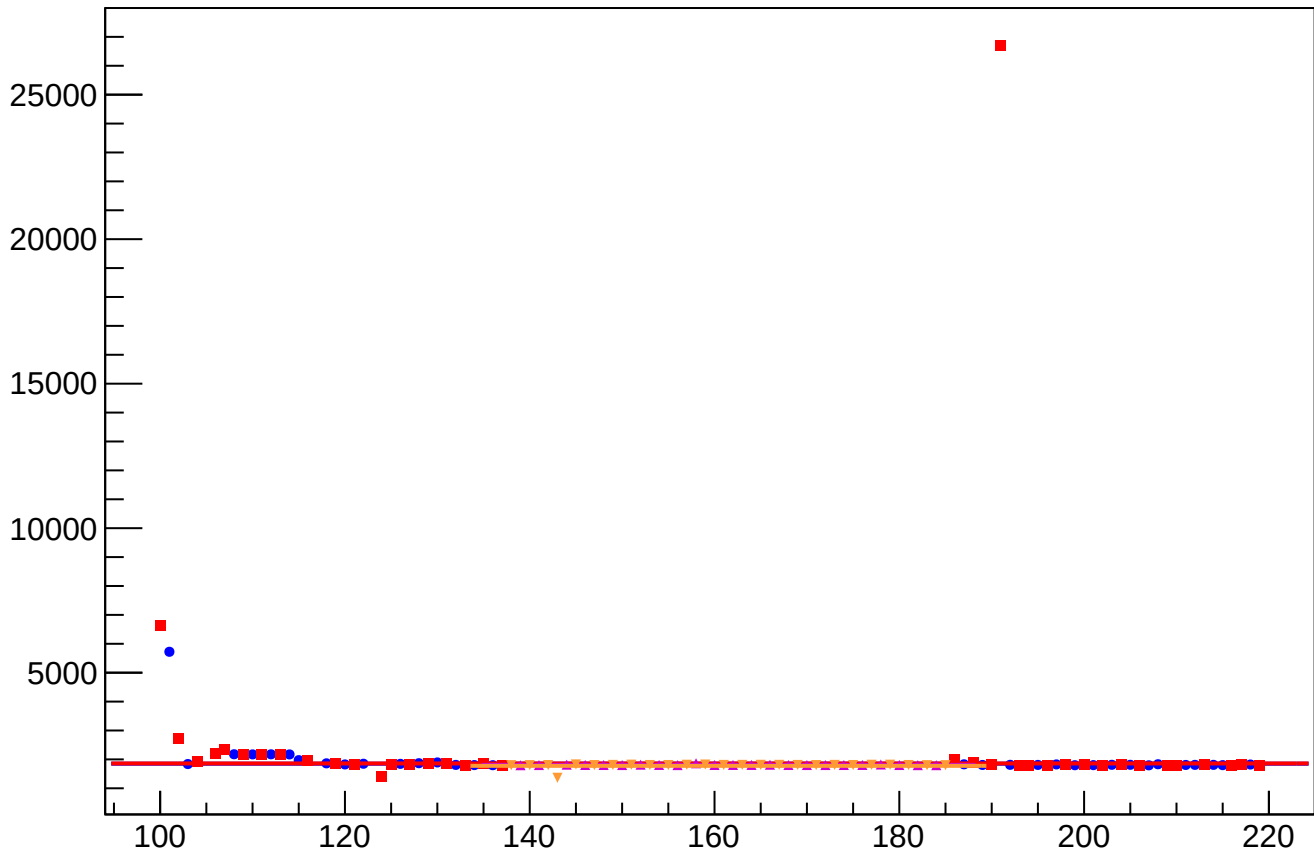
Left In: 341.223 ± 422.858 χ^2/NDF : 29.6/22

+ sign -343.513 ± 289.683 χ^2/NDF : 50.3/56

All: 12.854 ± 205.940 χ^2/NDF : 113.6/116

- sign 377.001 ± 292.828 χ^2/NDF : 60.2/59

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1850.640+/-0.294 χ^2/NDF : 680046.8/31

Left Out: 1776.721+/-0.286 χ^2/NDF : 161294.8/24

Right Out: 1859.478+/-0.287 χ^2/NDF : 641409.2/36

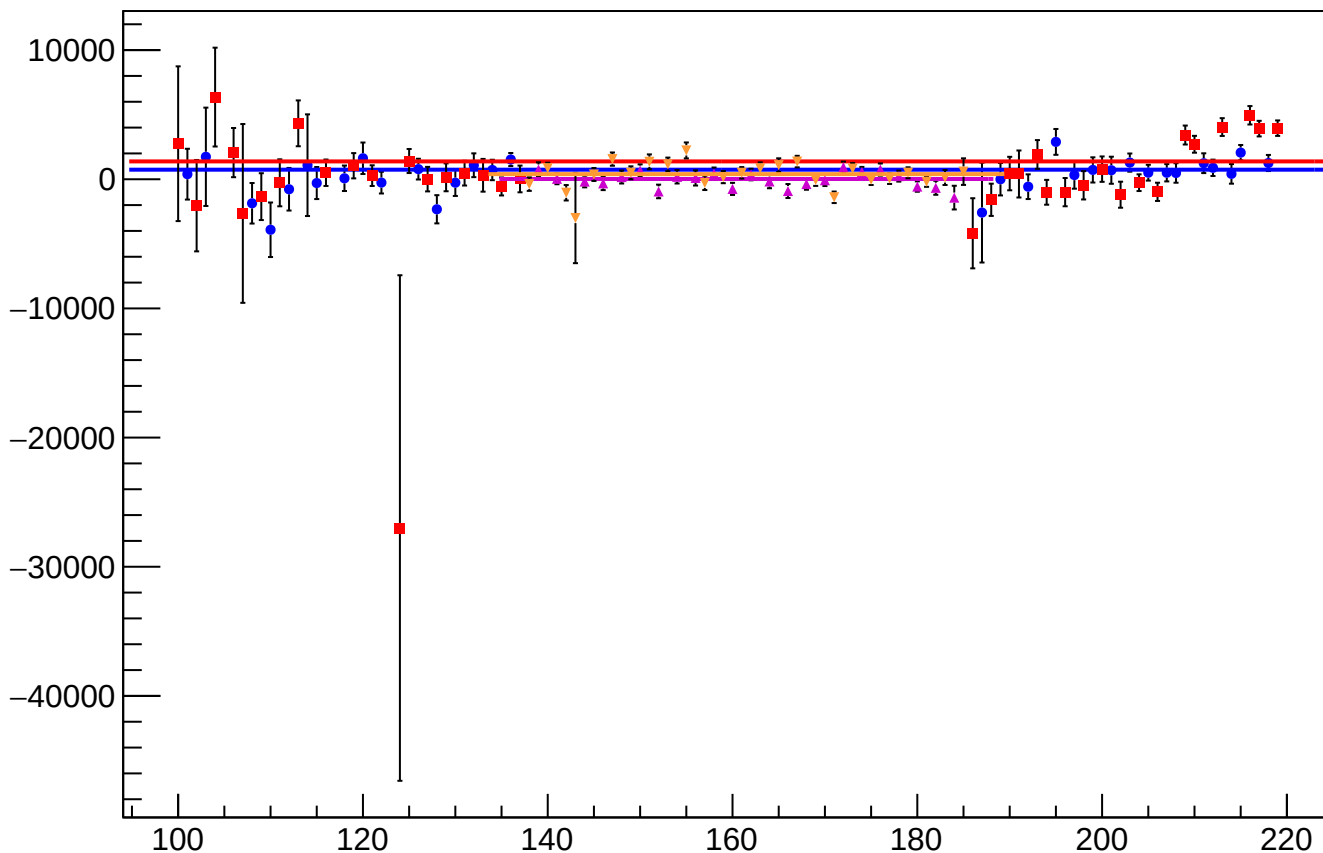
Left In: 1811.084+/-0.299 χ^2/NDF : 1965.1/22

+ sign 1812.713+/-0.205 χ^2/NDF : 873875.2/56

All: 1824.365+/-0.146 χ^2/NDF : 1537424.8/11

- sign 1836.270+/-0.207 χ^2/NDF : 657008.1/59

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 741.177 ± 156.442 χ^2/NDF : 38.1/31

Left Out: 398.268 ± 99.165 χ^2/NDF : 60.5/24

Right Out: 1382.337 ± 161.667 χ^2/NDF : 165.6/36

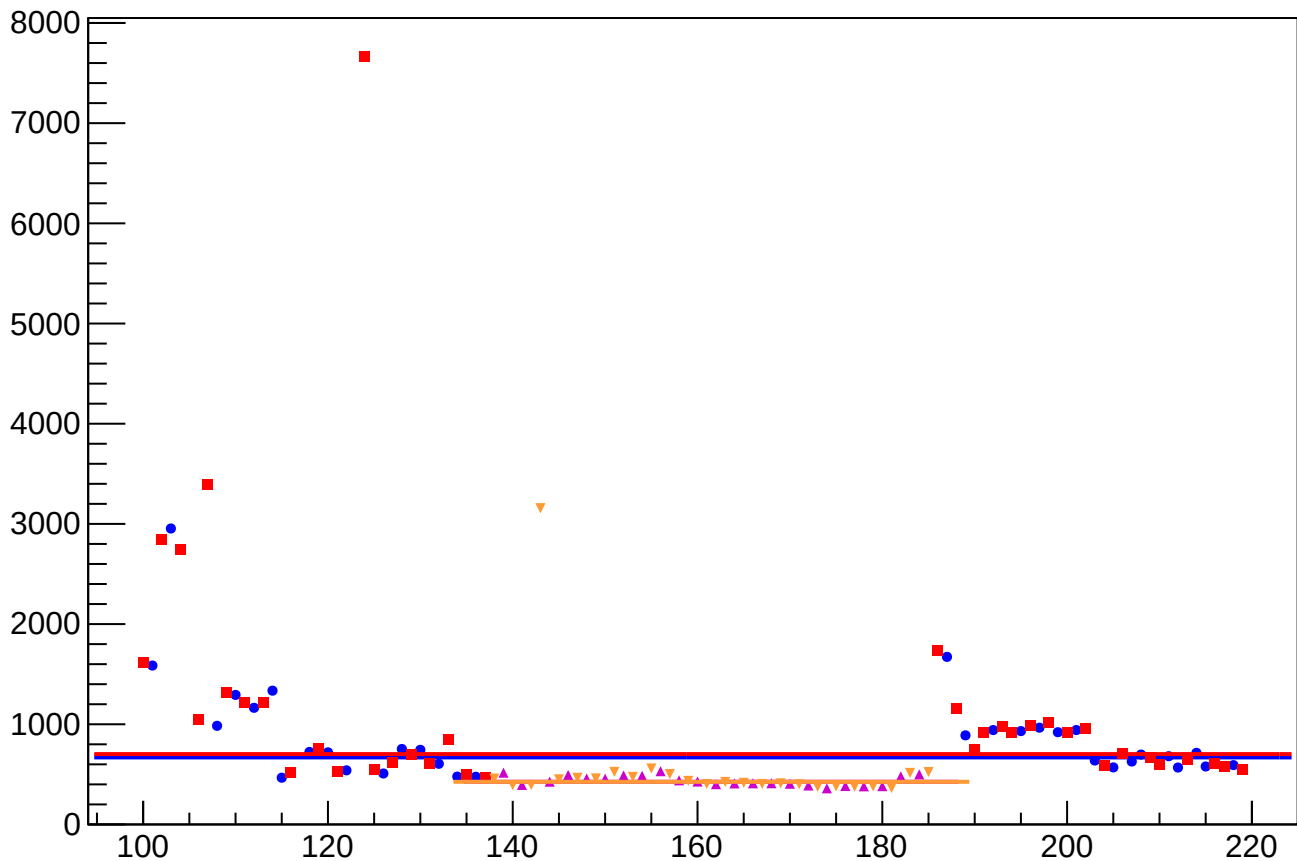
Left In: 21.452 ± 100.264 χ^2/NDF : 30.8/22

+ sign 496.557 ± 83.756 χ^2/NDF : 102.1/56

All: 448.857 ± 59.731 χ^2/NDF : 350.4/116

- sign 399.490 ± 85.207 χ^2/NDF : 247.7/59

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 668.972 $\pm$ 0.111 χ^2 /NDF: 3406025.8/31

Left Out: 425.696 $\pm$ 0.070 χ^2 /NDF:1718147.9/24

Right Out: 702.342 $\pm$ 0.114 χ^2 /NDF: 4796435.8/36

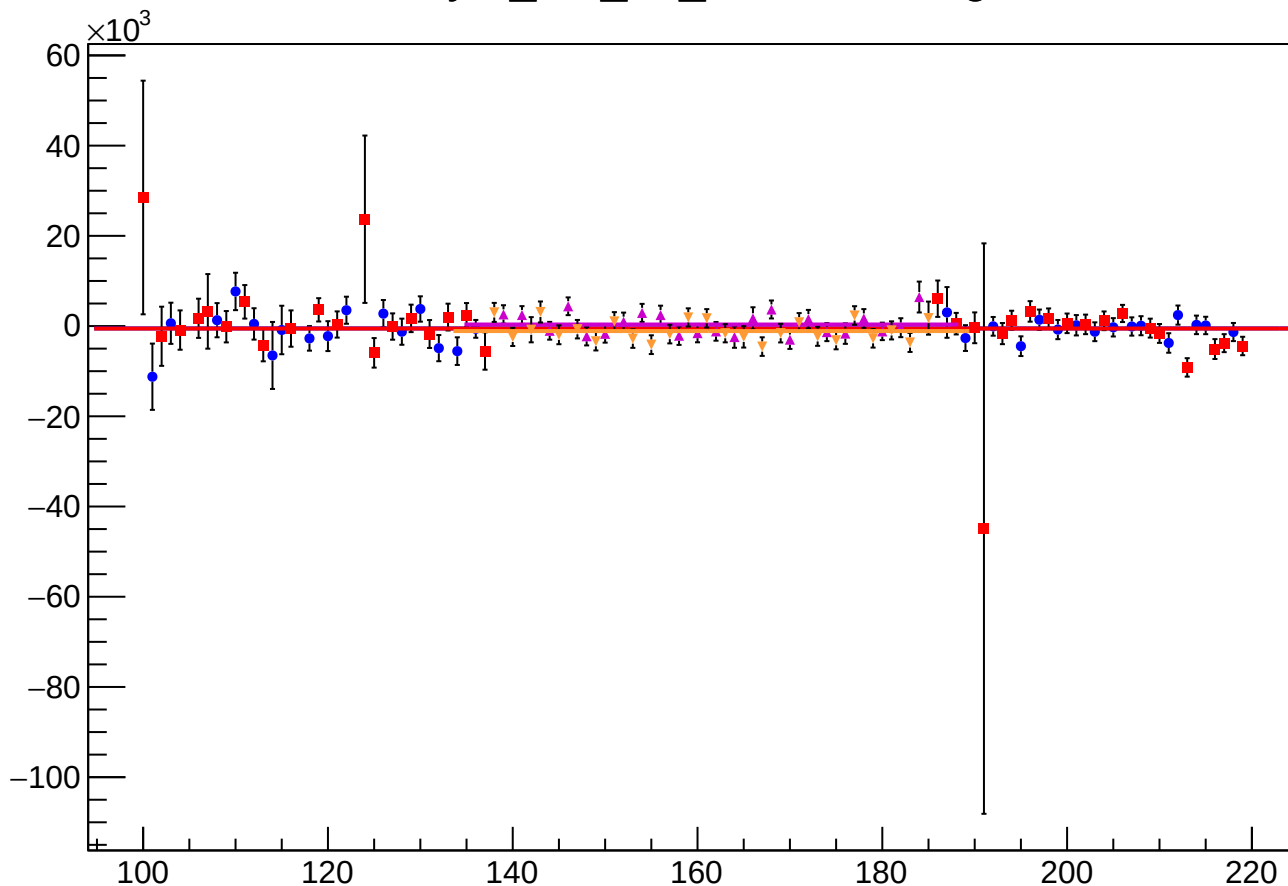
Left In: 426.144 $\pm$ 0.071 χ^2 /NDF:415415.2/22

+ sign 495.427 $\pm$ 0.059 χ^2 /NDF: 8574322.0/56

All: 499.084 $\pm$ 0.042 χ^2 /NDF: 18009852.6/1

- sign 502.868 $\pm$ 0.060 χ^2 /NDF: 9427772.3/59

asym_at1_dd_mean vs Slug



Right In: -519.730 $\pm$ 454.583 χ^2 /NDF: 28.3/31

Left Out: -1105.791 $\pm$ 424.648 χ^2 /NDF: 28.0/24

Right Out: -548.458 $\pm$ 452.120 χ^2 /NDF: 57.5/36

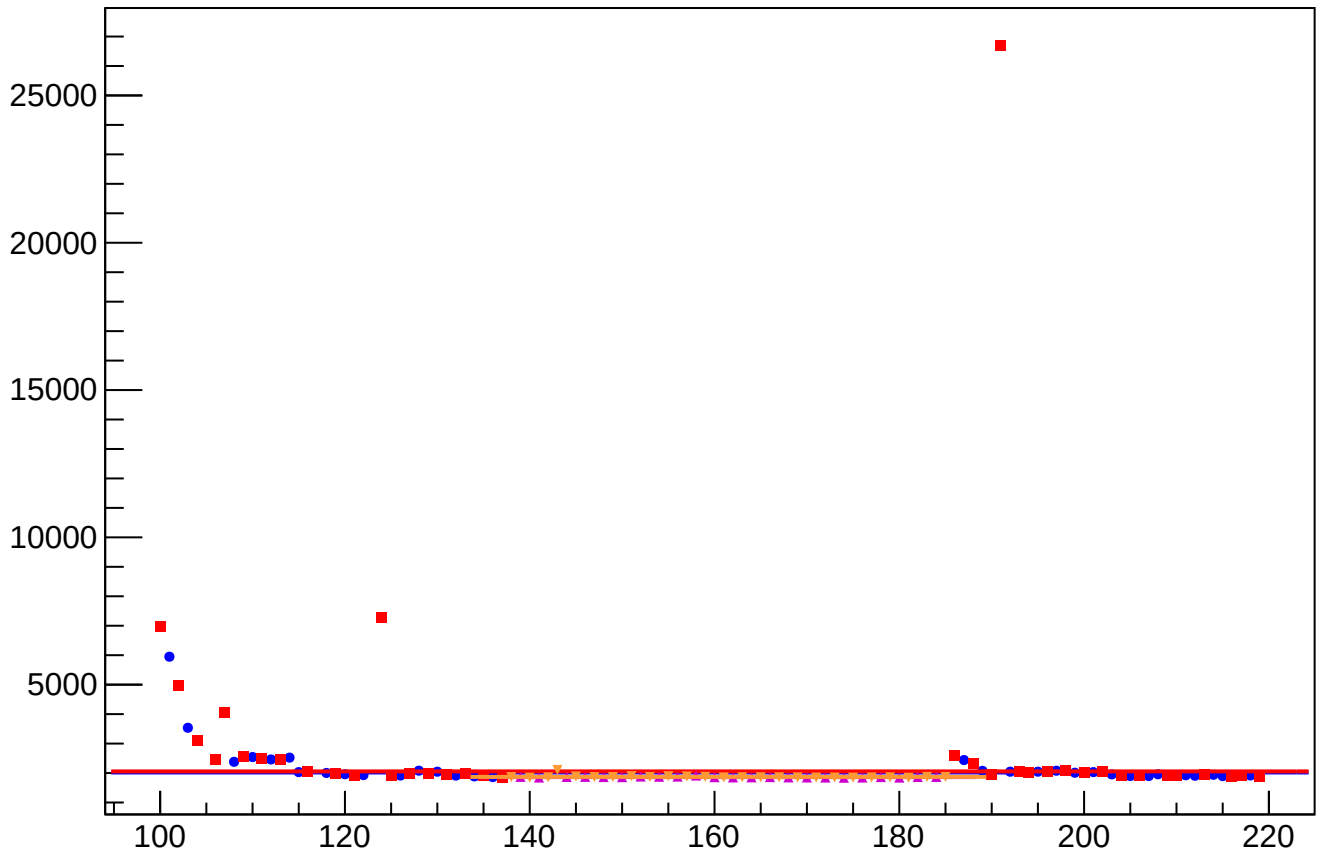
Left In: 346.936 $\pm$ 434.947 χ^2 /NDF: 28.8/22

+ sign -832.691 $\pm$ 310.315 χ^2 /NDF: 57.2/56

All: -461.827 $\pm$ 220.526 χ^2 /NDF: 148.4/116

- sign -83.433 $\pm$ 313.449 χ^2 /NDF: 88.3/59

asym_at1_dd_rms vs Slug



Right In: 2018.789+/-0.321 χ^2/NDF : 967133.7/31

Left Out: 1868.941+/-0.300 χ^2/NDF : 23314.7/24

Right Out: 2055.591+/-0.320 χ^2/NDF : 1445658.9/36

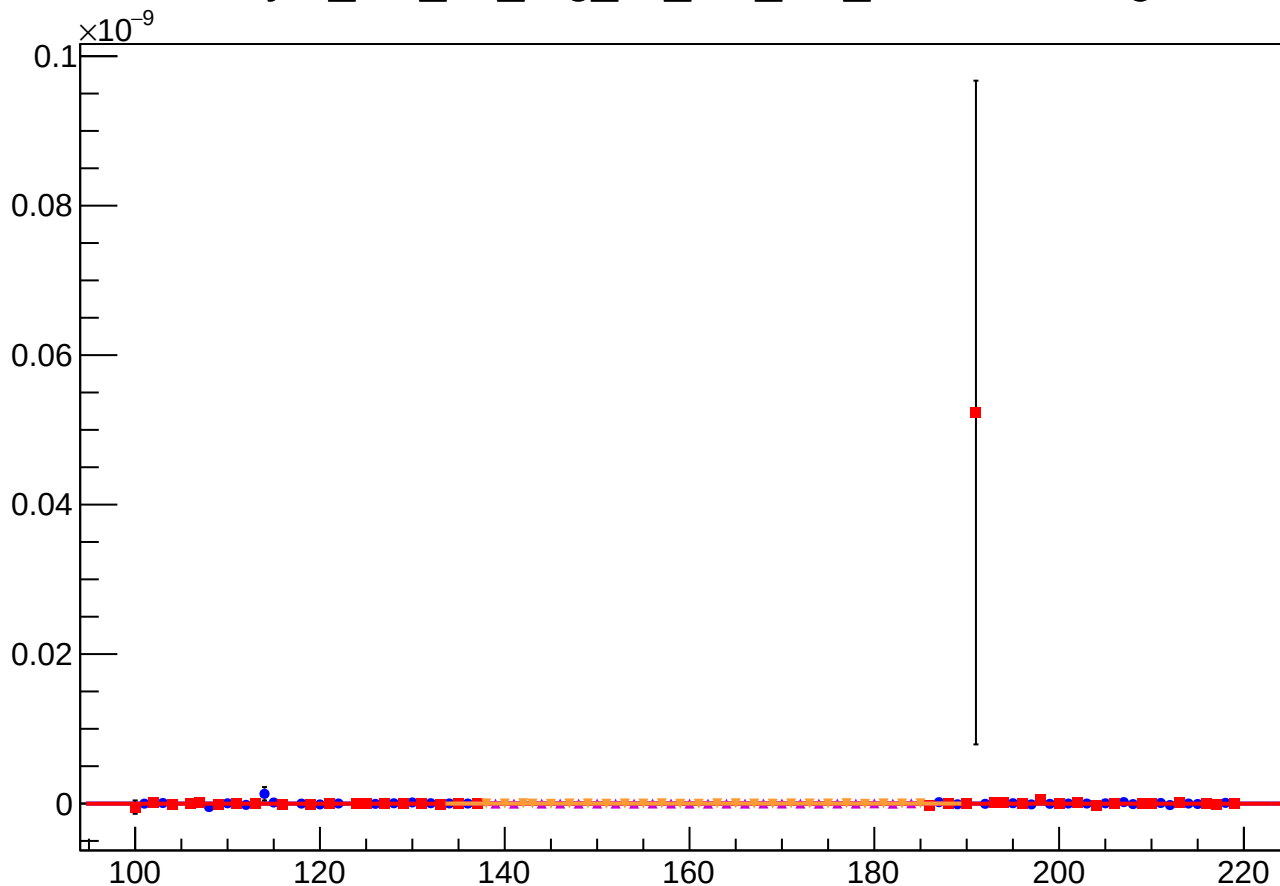
Left In: 1862.828+/-0.308 χ^2/NDF : 2714.5/22

+ sign 1938.769+/-0.219 χ^2/NDF : 1106500.9/56

All: 1947.040+/-0.156 χ^2/NDF : 2746557.5/11

- sign 1955.479+/-0.222 χ^2/NDF : 1637186.0/59

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 38.4/31

Left Out: 0.000+/-0.000 χ^2 /NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 34.5/36

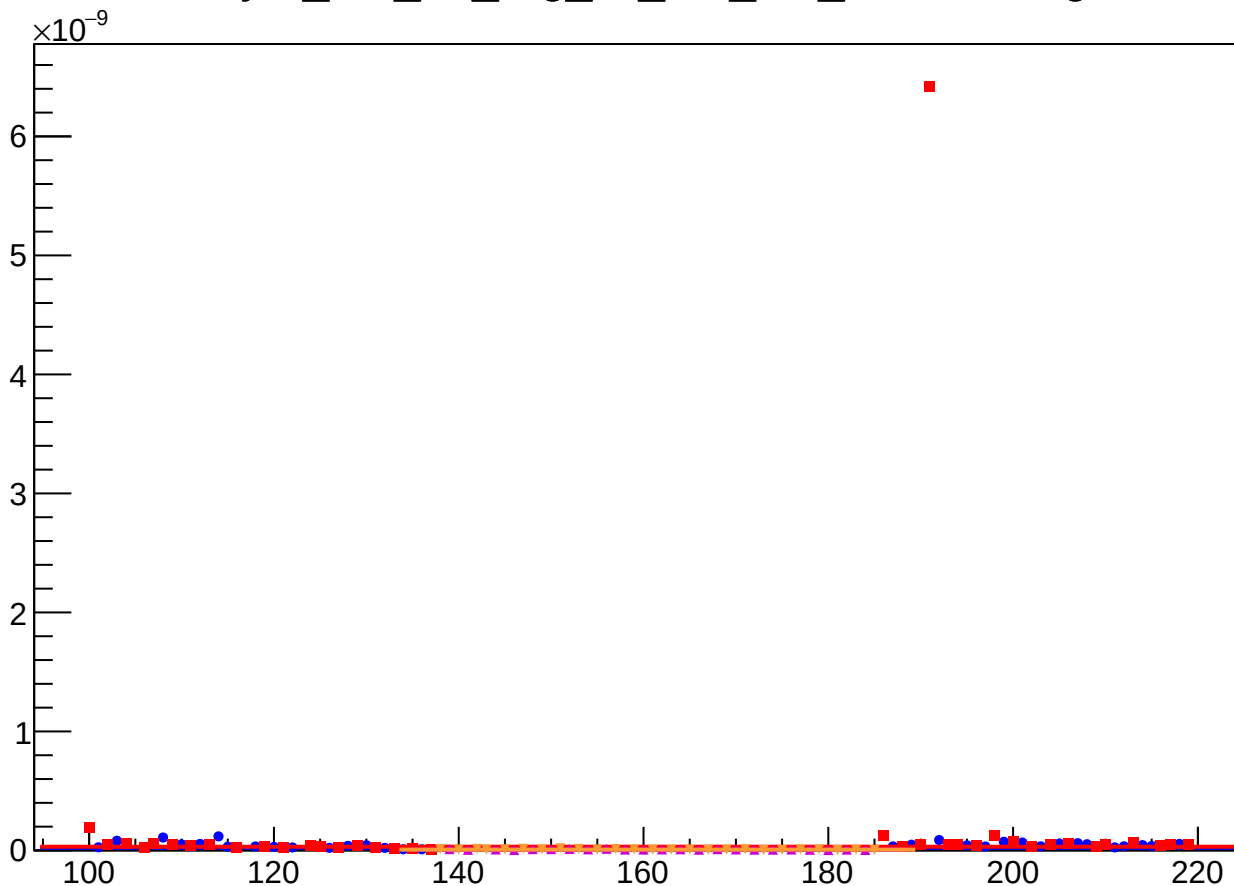
Left In: 0.000+/-0.000 χ^2 /NDF:17.3/22

+ sign 0.000+/-0.000 χ^2 /NDF: 80.5/56

All: 0.000+/-0.000 χ^2 /NDF: 135.8/116

- sign 0.000+/-0.000 χ^2 /NDF: 54.6/59

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5718366.3/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4003895.2/36

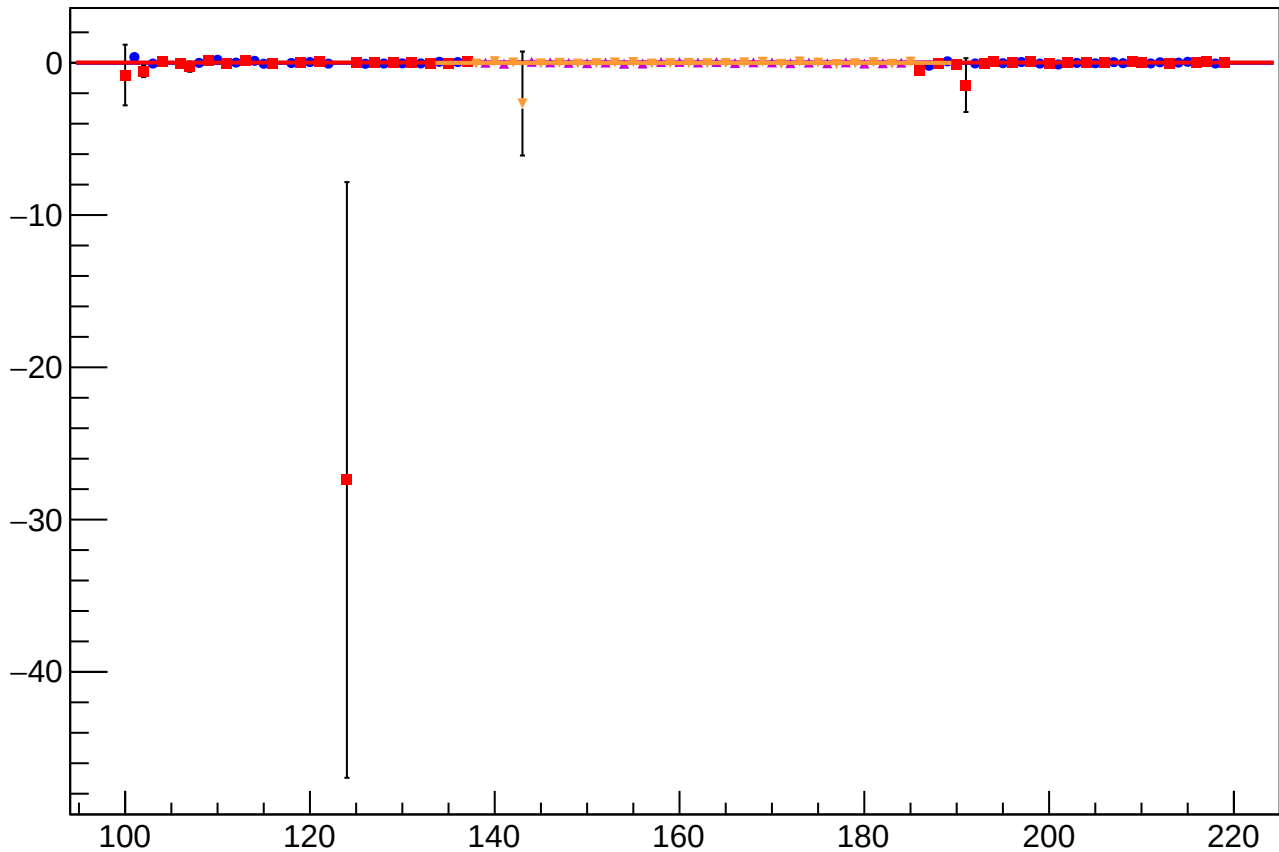
Left In: 0.000+/-0.000 χ^2/NDF : 1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 11873857.7/56

All: 0.000+/-0.000 χ^2/NDF : 24264835.0/116

- sign 0.000+/-0.000 χ^2/NDF : 12387254.0/59

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.010 χ^2/NDF : 32.6/31

Left Out: -0.010 ± 0.008 χ^2/NDF : 39.5/24

Right Out: 0.013 ± 0.010 χ^2/NDF : 30.1/36

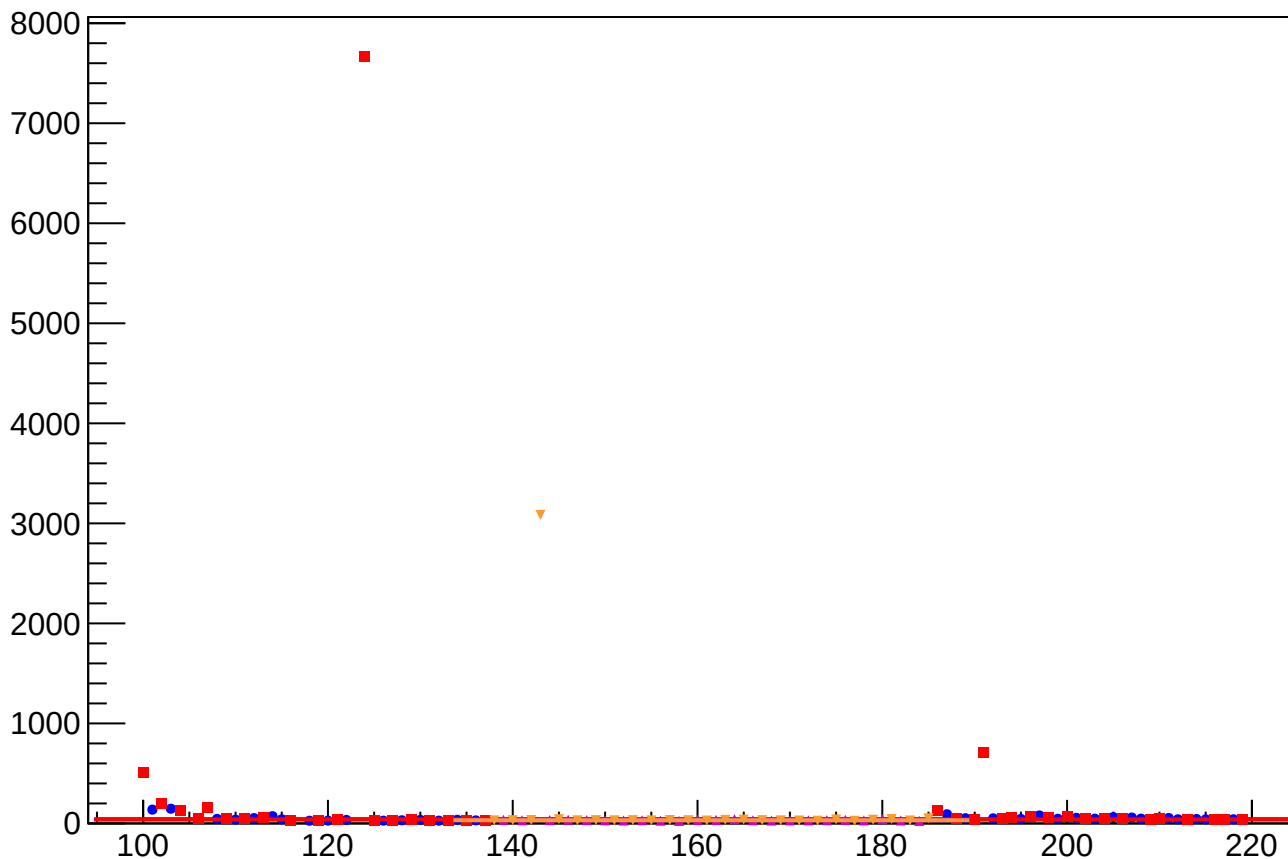
Left In: 0.004 ± 0.008 χ^2/NDF : 20.8/22

+ sign -0.008 ± 0.006 χ^2/NDF : 72.3/56

All: -0.000 ± 0.005 χ^2/NDF : 126.4/116

- sign 0.007 ± 0.006 χ^2/NDF : 51.4/59

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.375 $\pm$ 0.007 χ^2 /NDF: 3364064.7/31

Left Out: 32.277 $\pm$ 0.006 χ^2 /NDF: 2120929.6/24

Right Out: 40.881 $\pm$ 0.007 χ^2 /NDF: 4359085.3/36

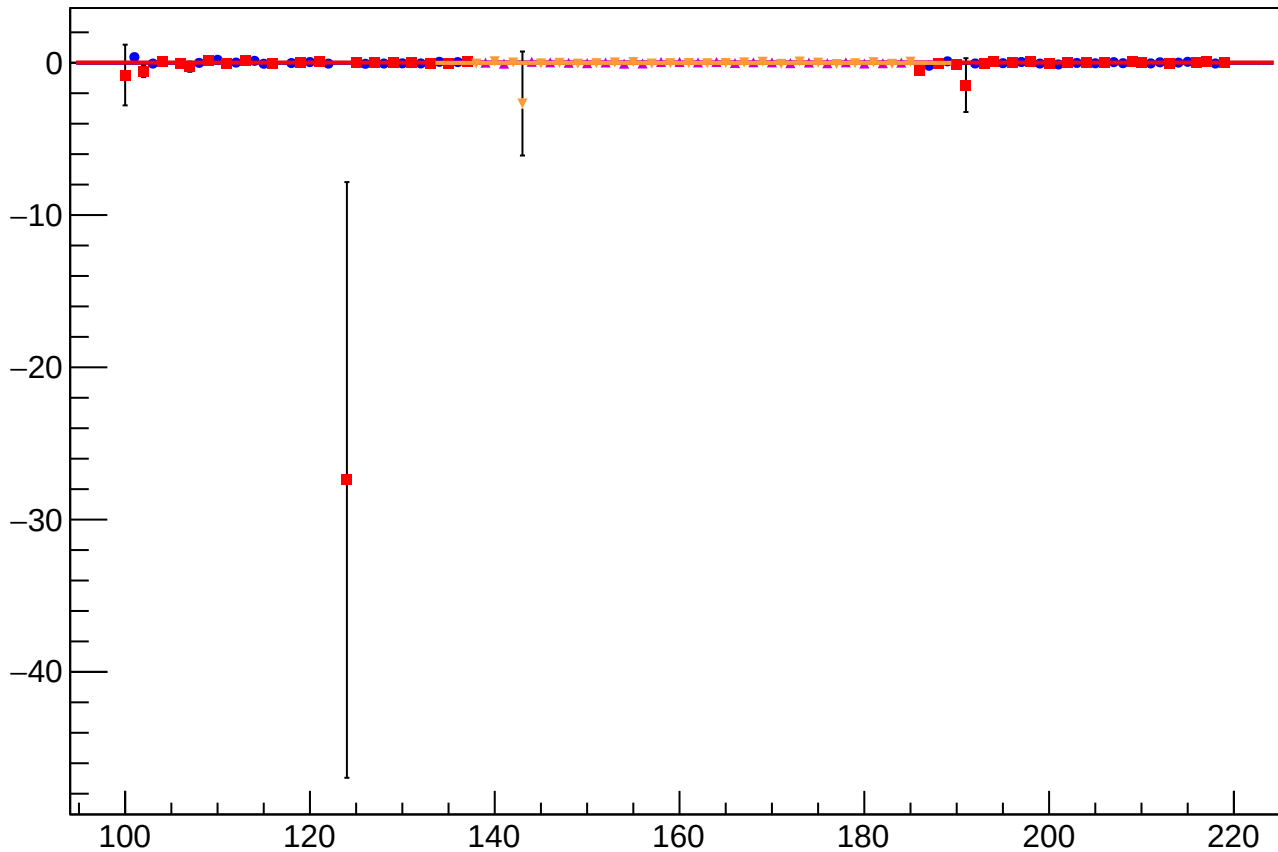
Left In: 32.421 $\pm$ 0.006 χ^2 /NDF: 426084.8/22

+ sign 35.754 $\pm$ 0.005 χ^2 /NDF: 6418543.5/56

All: 35.750 $\pm$ 0.003 χ^2 /NDF: 12022705.3/116

- sign 35.746 $\pm$ 0.005 χ^2 /NDF: 5604160.3/59

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.010 χ^2/NDF : 32.6/31

Left Out: -0.010 ± 0.008 χ^2/NDF : 39.5/24

Right Out: 0.013 ± 0.010 χ^2/NDF : 30.1/36

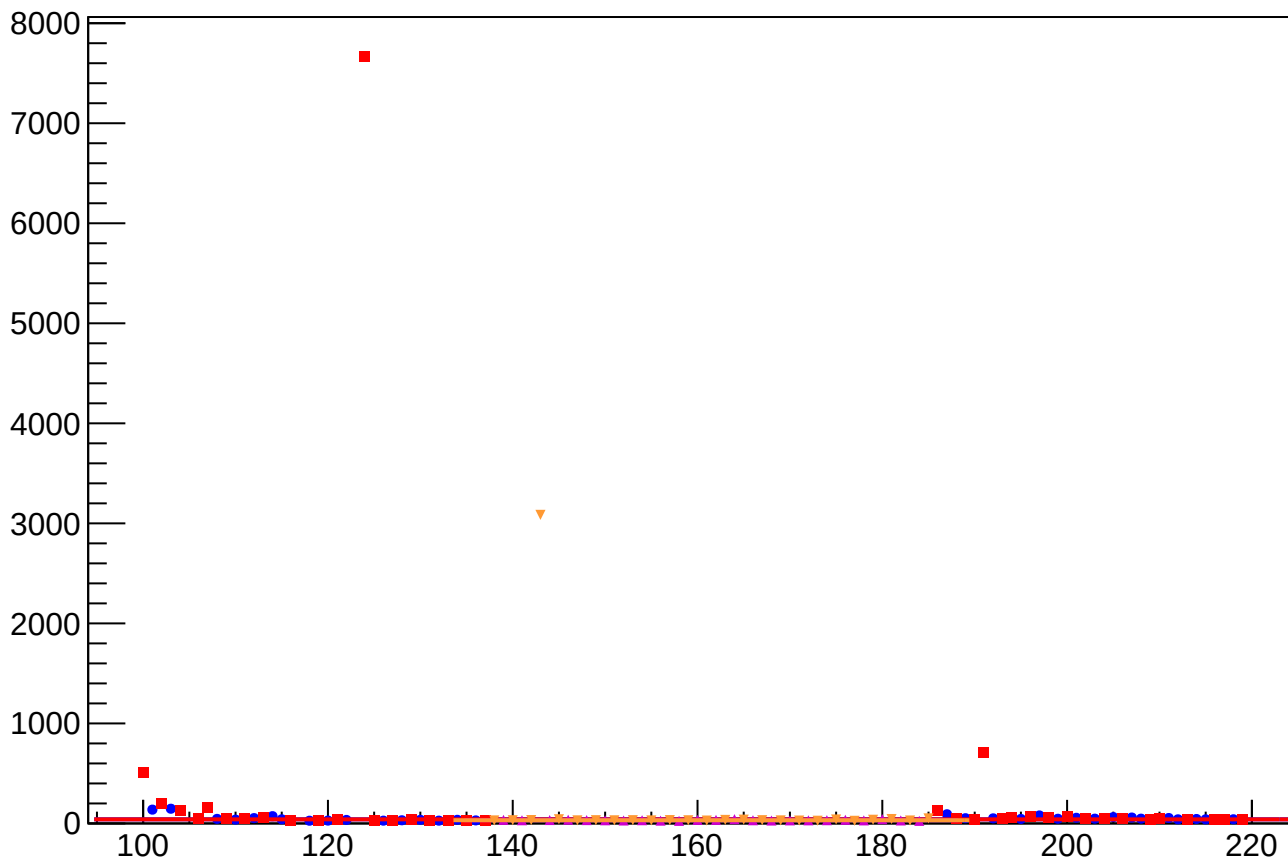
Left In: 0.004 ± 0.008 χ^2/NDF : 20.8/22

+ sign -0.008 ± 0.006 χ^2/NDF : 72.3/56

All: -0.000 ± 0.005 χ^2/NDF : 126.4/116

- sign 0.007 ± 0.006 χ^2/NDF : 51.4/59

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.375 $\pm$ 0.007 χ^2 /NDF: 3364064.7/31

Left Out: 32.277 $\pm$ 0.006 χ^2 /NDF: 2120929.6/24

Right Out: 40.881 $\pm$ 0.007 χ^2 /NDF: 4359085.3/36

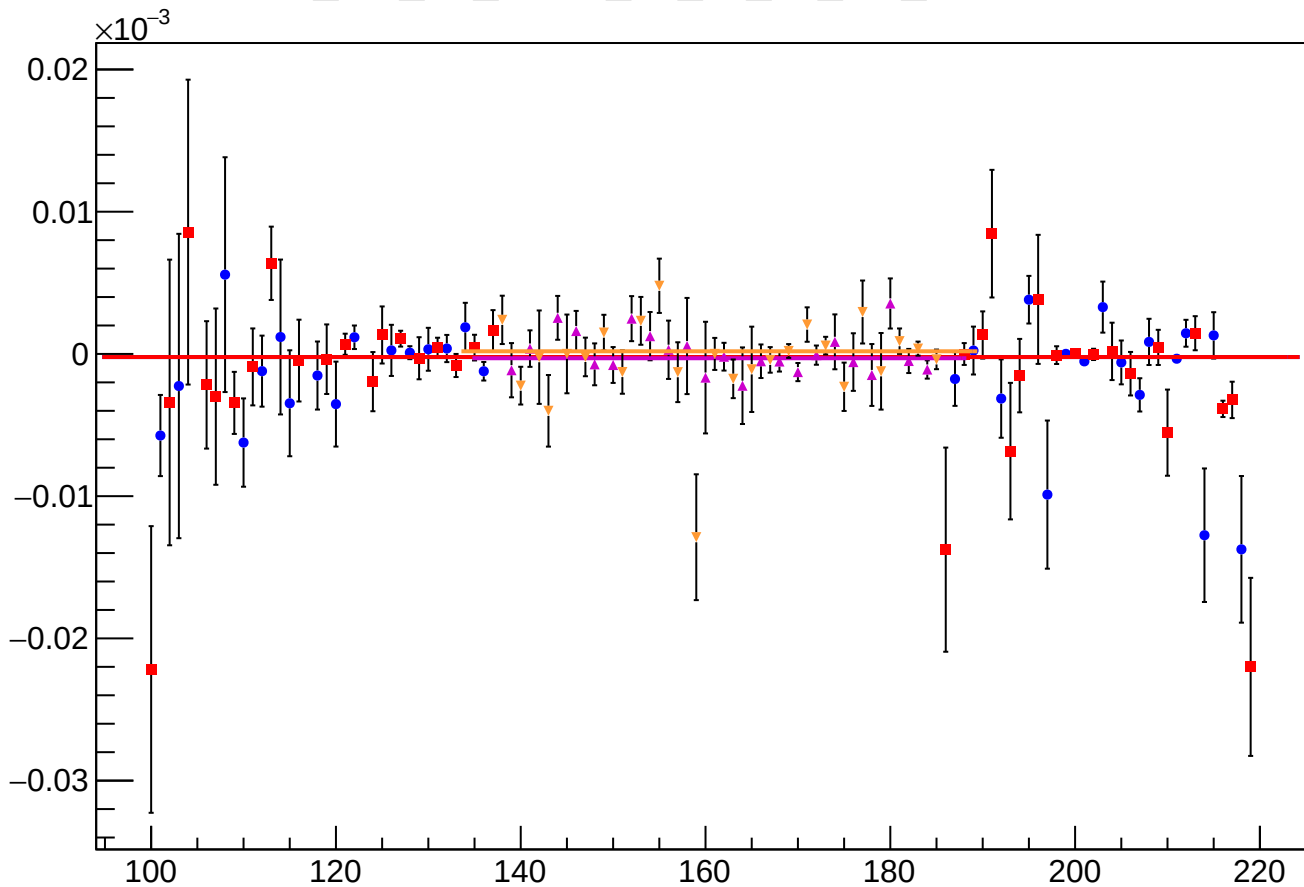
Left In: 32.421 $\pm$ 0.006 χ^2 /NDF: 426084.8/22

+ sign 35.754 $\pm$ 0.005 χ^2 /NDF: 6418543.5/56

All: 35.750 $\pm$ 0.003 χ^2 /NDF: 12022705.3/116

- sign 35.746 $\pm$ 0.005 χ^2 /NDF: 5604160.3/59

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 58.7/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 37.5/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 102.7/36

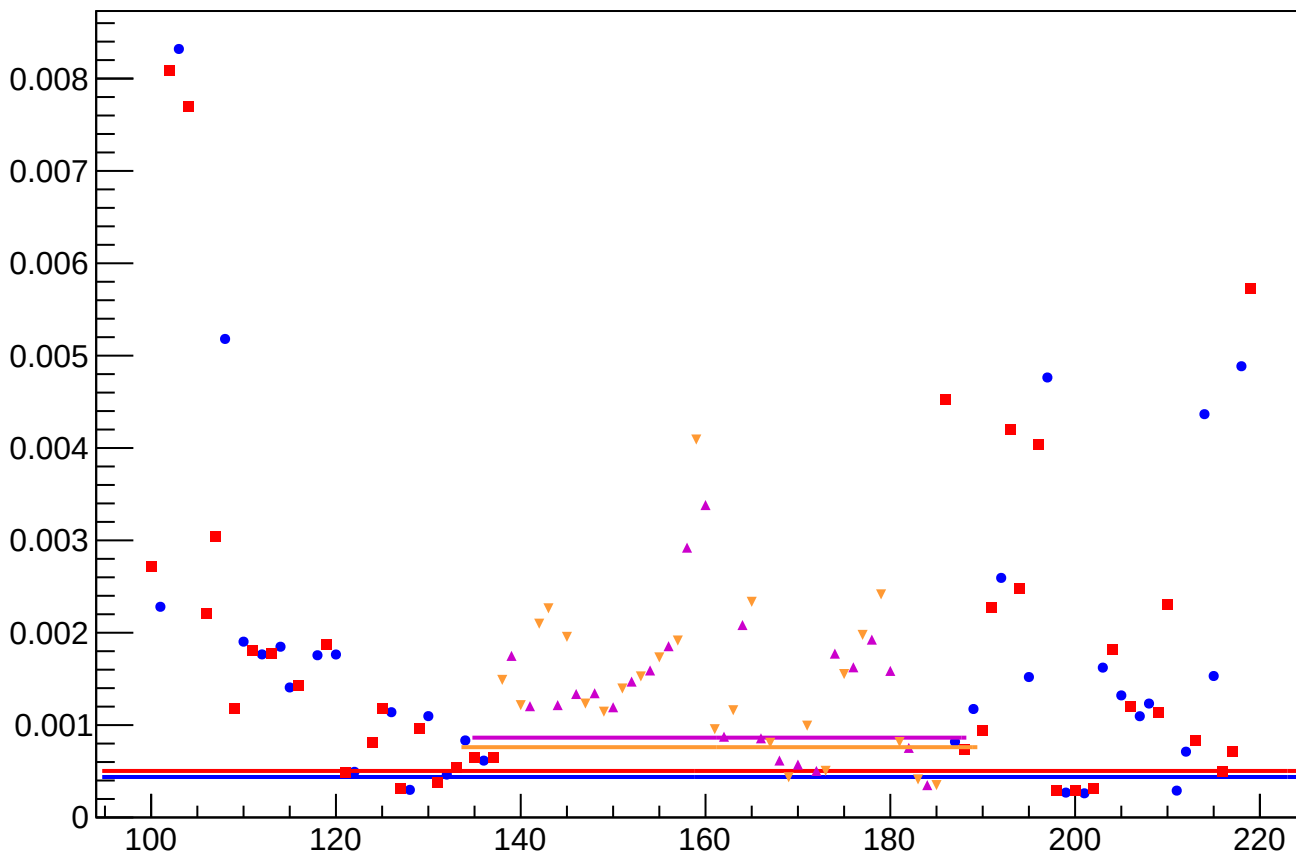
Left In: -0.000 ± 0.000 χ^2/NDF : 20.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 98.7/56

All: -0.000 ± 0.000 χ^2/NDF : 222.4/116

- sign -0.000 ± 0.000 χ^2/NDF : 123.0/59

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18334069.0/31

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:11085699.1/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 16190110.7/36

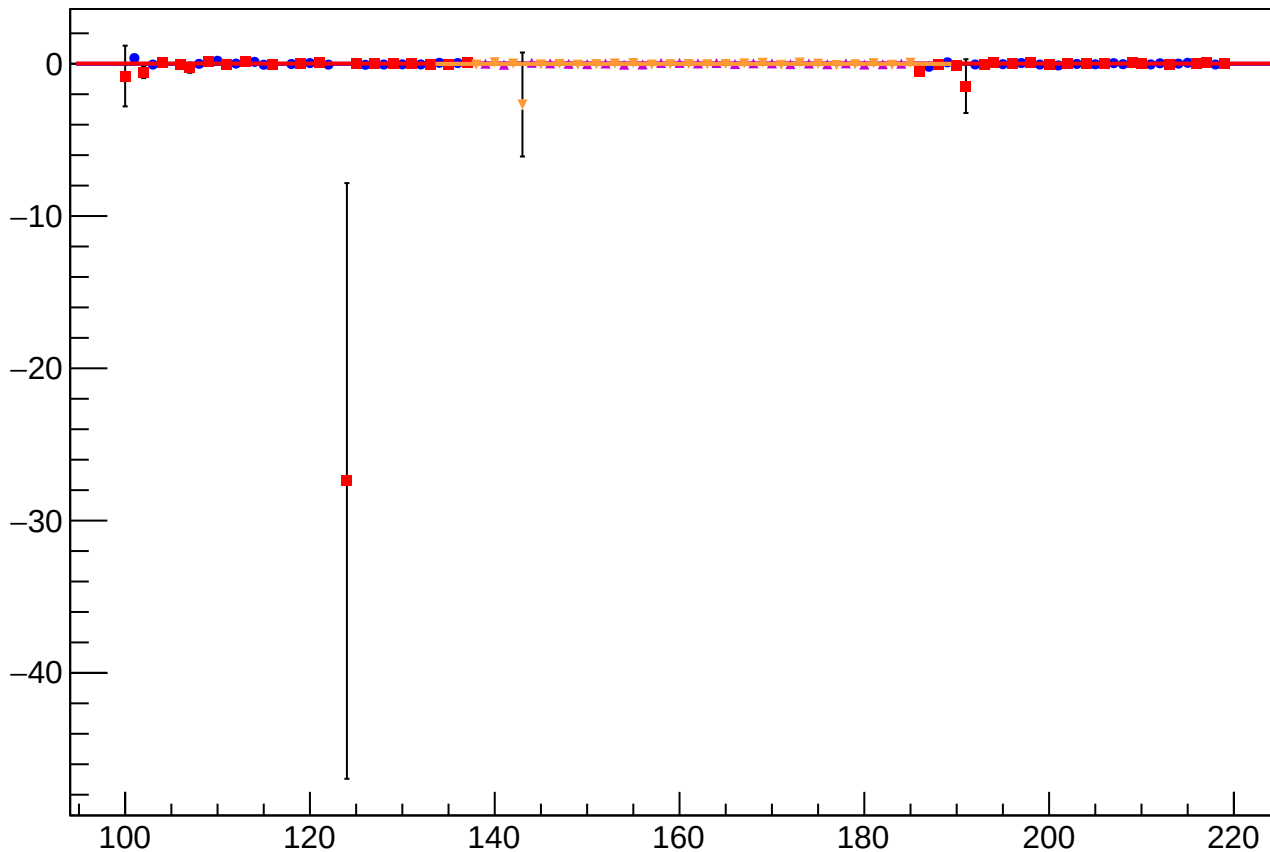
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:8440059.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 32613843.6/56

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 60758466.3/116

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 27784470.3/59

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 $\pm$ 0.010 χ^2/NDF : 32.6/31

Left Out: -0.010 $\pm$ 0.008 χ^2/NDF : 39.5/24

Right Out: 0.013 $\pm$ 0.010 χ^2/NDF : 30.1/36

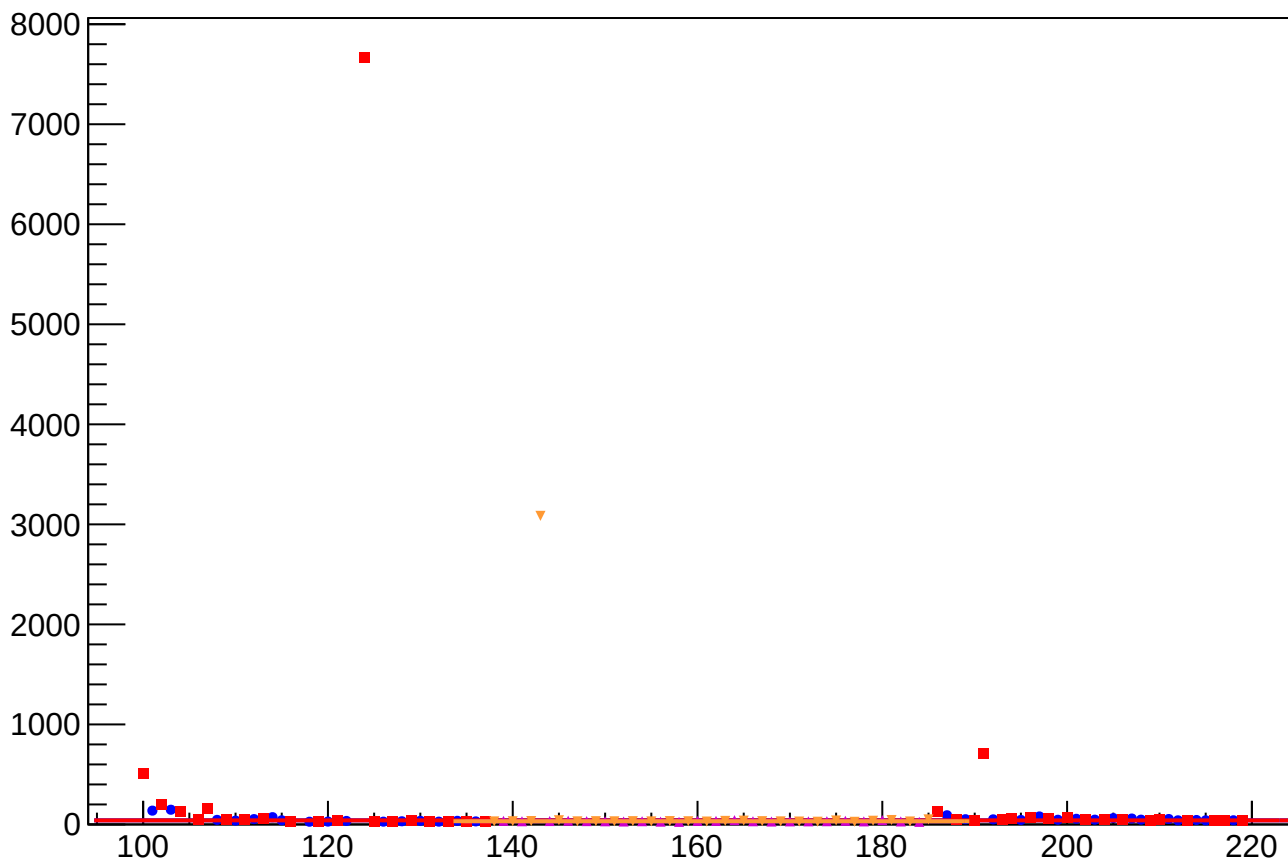
Left In: 0.004 $\pm$ 0.008 χ^2/NDF : 20.8/22

+ sign -0.008 $\pm$ 0.006 χ^2/NDF : 72.3/56

All: -0.000 $\pm$ 0.005 χ^2/NDF : 126.4/116

- sign 0.007 $\pm$ 0.006 χ^2/NDF : 51.4/59

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.375 $\pm$ 0.007 χ^2/NDF : 3364058.2/31

Left Out: 32.277 $\pm$ 0.006 χ^2/NDF : 2120971.9/24

Right Out: 40.880 $\pm$ 0.007 χ^2/NDF : 4359100.5/36

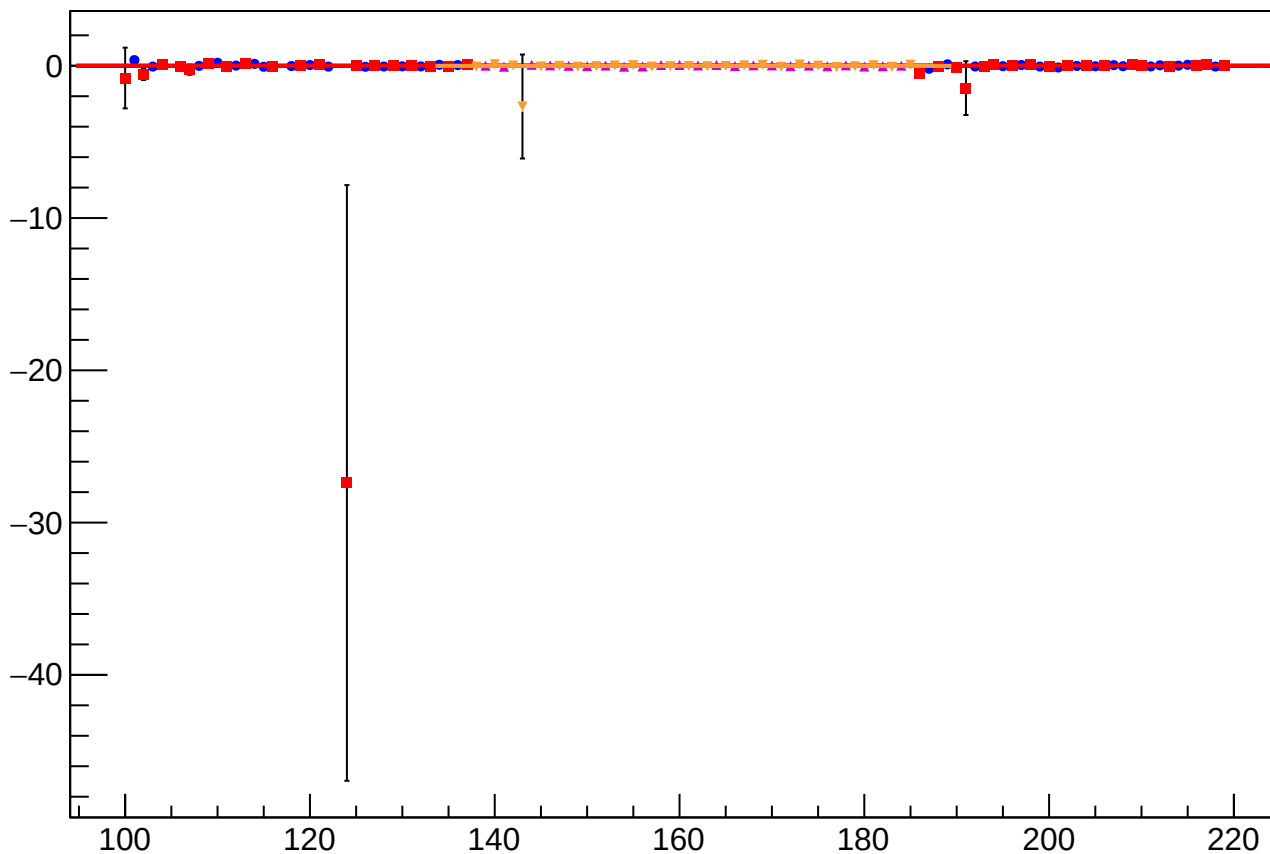
Left In: 32.422 $\pm$ 0.006 χ^2/NDF : 426001.5/22

+ sign 35.754 $\pm$ 0.005 χ^2/NDF : 6418599.7/56

All: 35.750 $\pm$ 0.003 χ^2/NDF : 12022624.7/116

- sign 35.746 $\pm$ 0.005 χ^2/NDF : 5604023.5/59

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.010 χ^2/NDF : 32.6/31

Left Out: -0.010 ± 0.008 χ^2/NDF : 39.5/24

Right Out: 0.013 ± 0.010 χ^2/NDF : 30.1/36

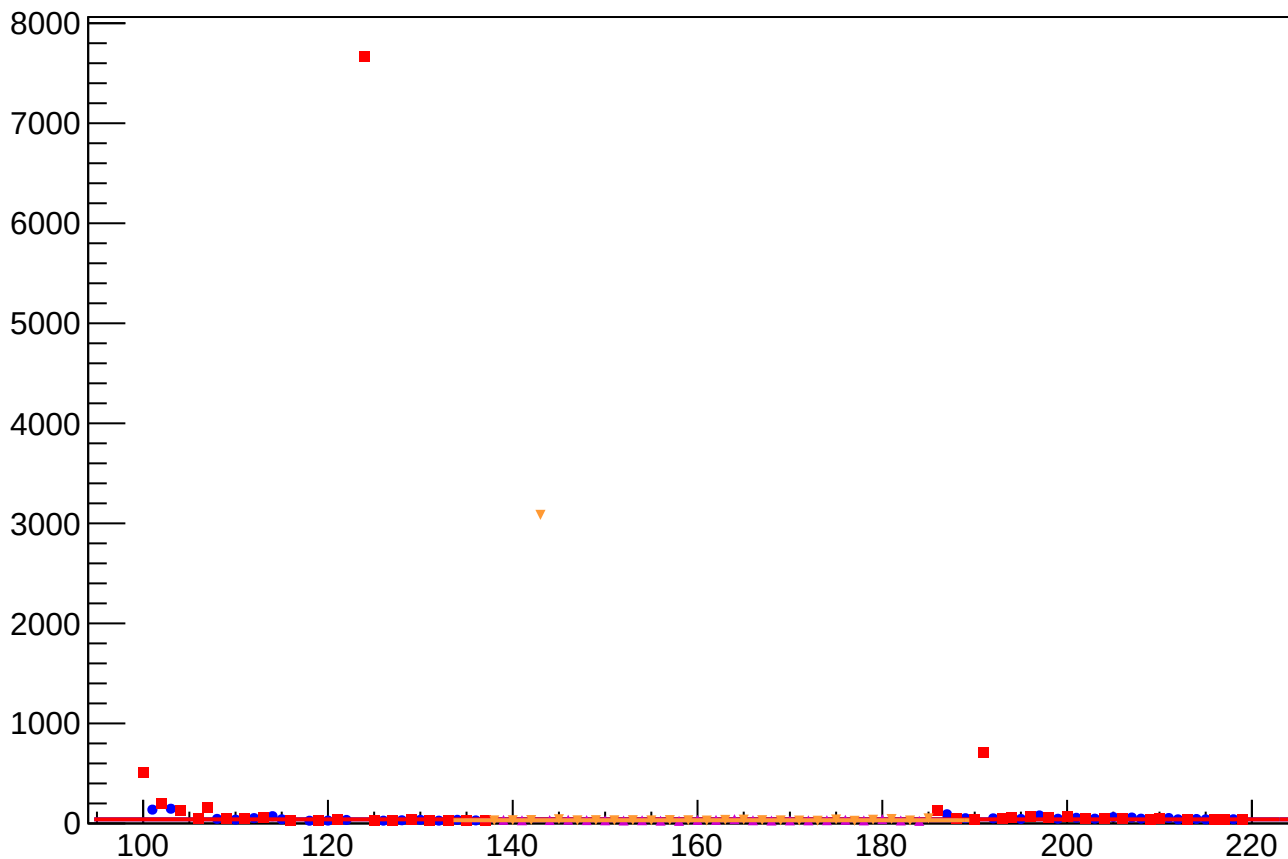
Left In: 0.004 ± 0.008 χ^2/NDF : 20.8/22

+ sign -0.008 ± 0.006 χ^2/NDF : 72.3/56

All: -0.000 ± 0.005 χ^2/NDF : 126.4/116

- sign 0.007 ± 0.006 χ^2/NDF : 51.4/59

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.375 $\pm$ 0.007 χ^2 /NDF: 3364058.2/31

Left Out: 32.277 $\pm$ 0.006 χ^2 /NDF: 2120971.9/24

Right Out: 40.880 $\pm$ 0.007 χ^2 /NDF: 4359100.5/36

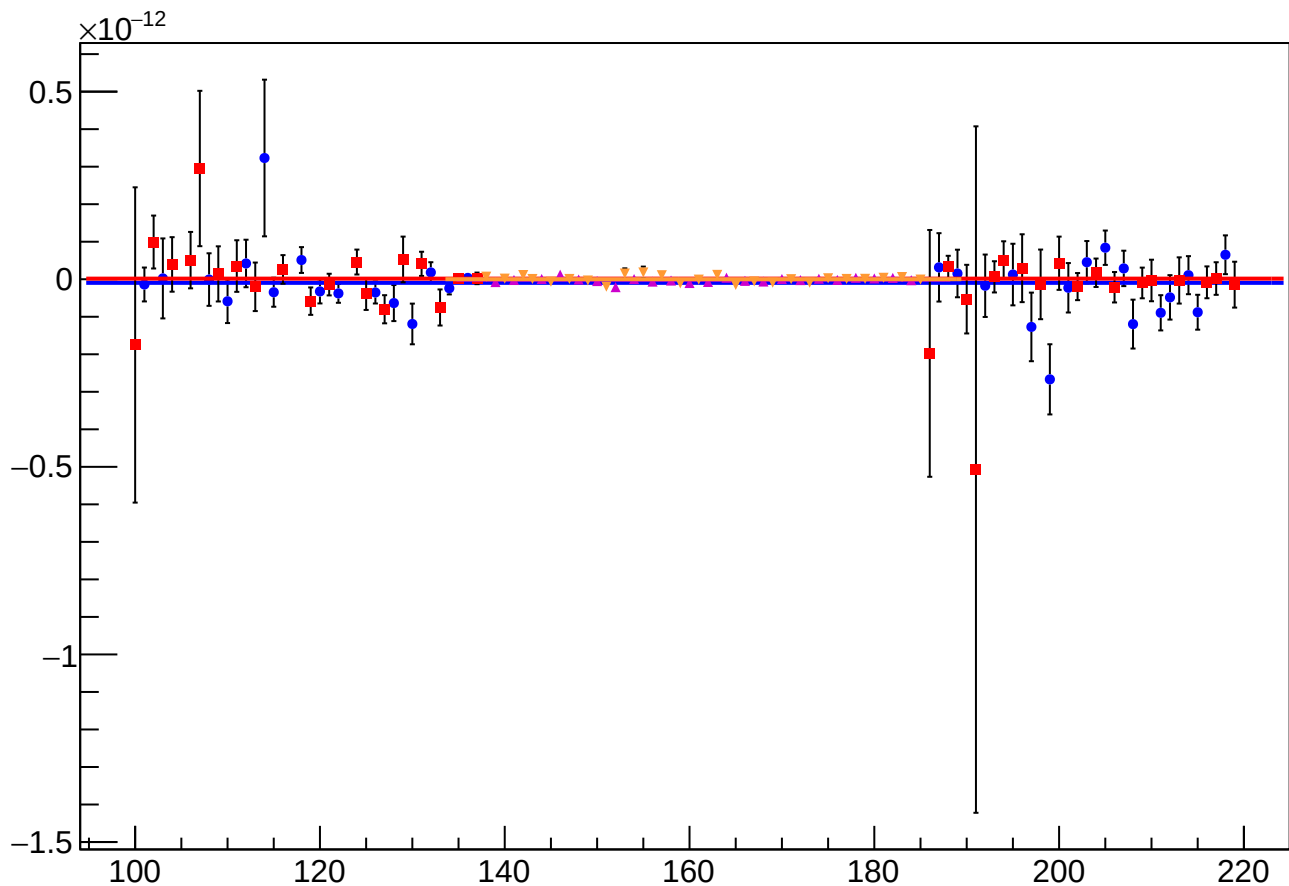
Left In: 32.422 $\pm$ 0.006 χ^2 /NDF: 426001.5/22

+ sign 35.754 $\pm$ 0.005 χ^2 /NDF: 6418599.7/56

All: 35.750 $\pm$ 0.003 χ^2 /NDF: 12022624.7/116

- sign 35.746 $\pm$ 0.005 χ^2 /NDF: 5604023.5/59

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 46.0/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.4/36

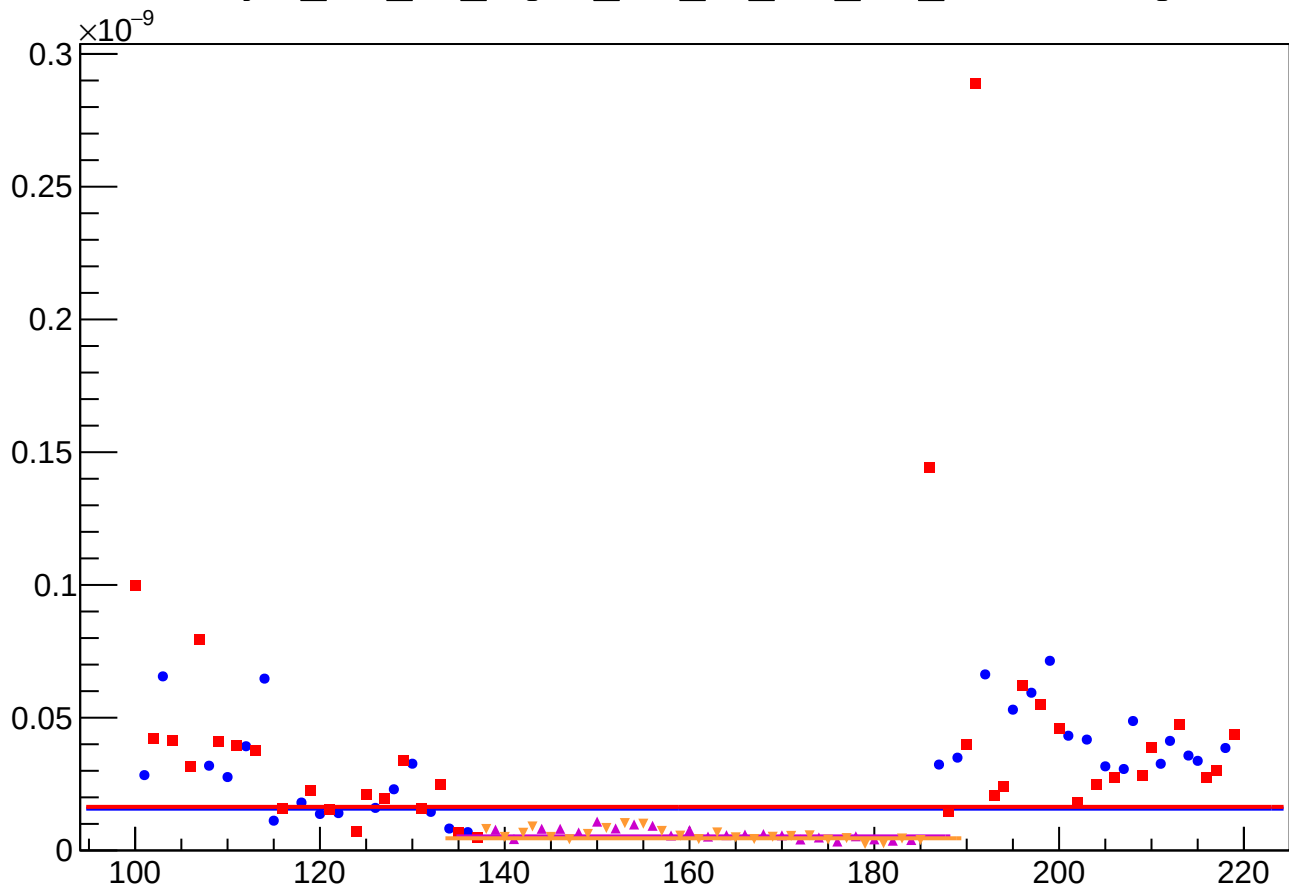
Left In: -0.000 ± 0.000 χ^2/NDF : 9.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 69.7/56

All: -0.000 ± 0.000 χ^2/NDF : 104.5/116

- sign -0.000 ± 0.000 χ^2/NDF : 34.8/59

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 9687008.7/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 2796753.7/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 8312119.3/36

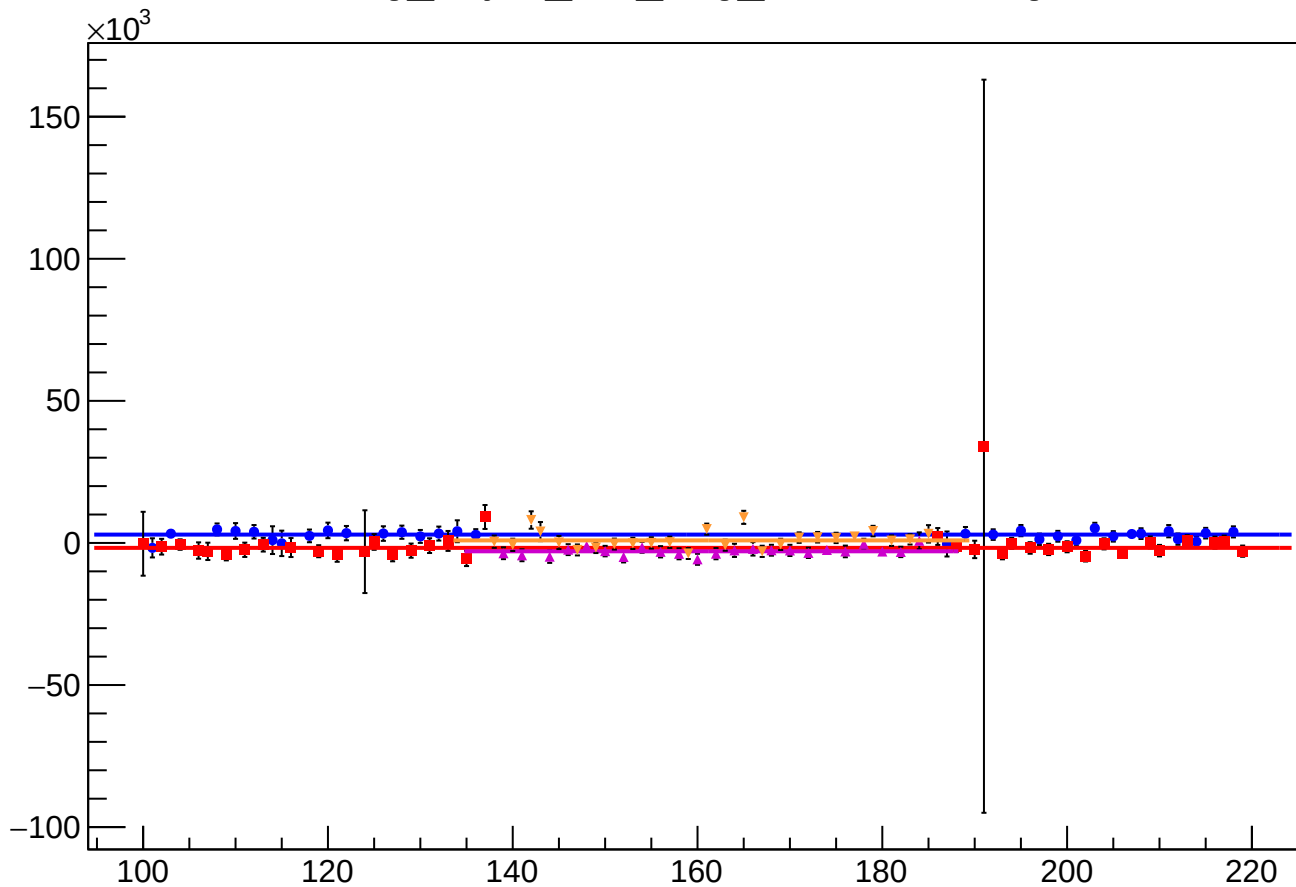
Left In: 0.000 ± 0.000 χ^2/NDF : 2230717.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 19285255.2/56

All: 0.000 ± 0.000 χ^2/NDF : 36193066.1/116

- sign 0.000 ± 0.000 χ^2/NDF : 16623130.2/59

reg_asym_at2_avg_mean vs Slug



Right In: 2937.462 $\pm$ 391.310 χ^2 /NDF: 11.6/31

Left Out: 898.921 $\pm$ 405.540 χ^2 /NDF: 45.3/24

Right Out: -1732.934 $\pm$ 384.645 χ^2 /NDF: 27.7/36

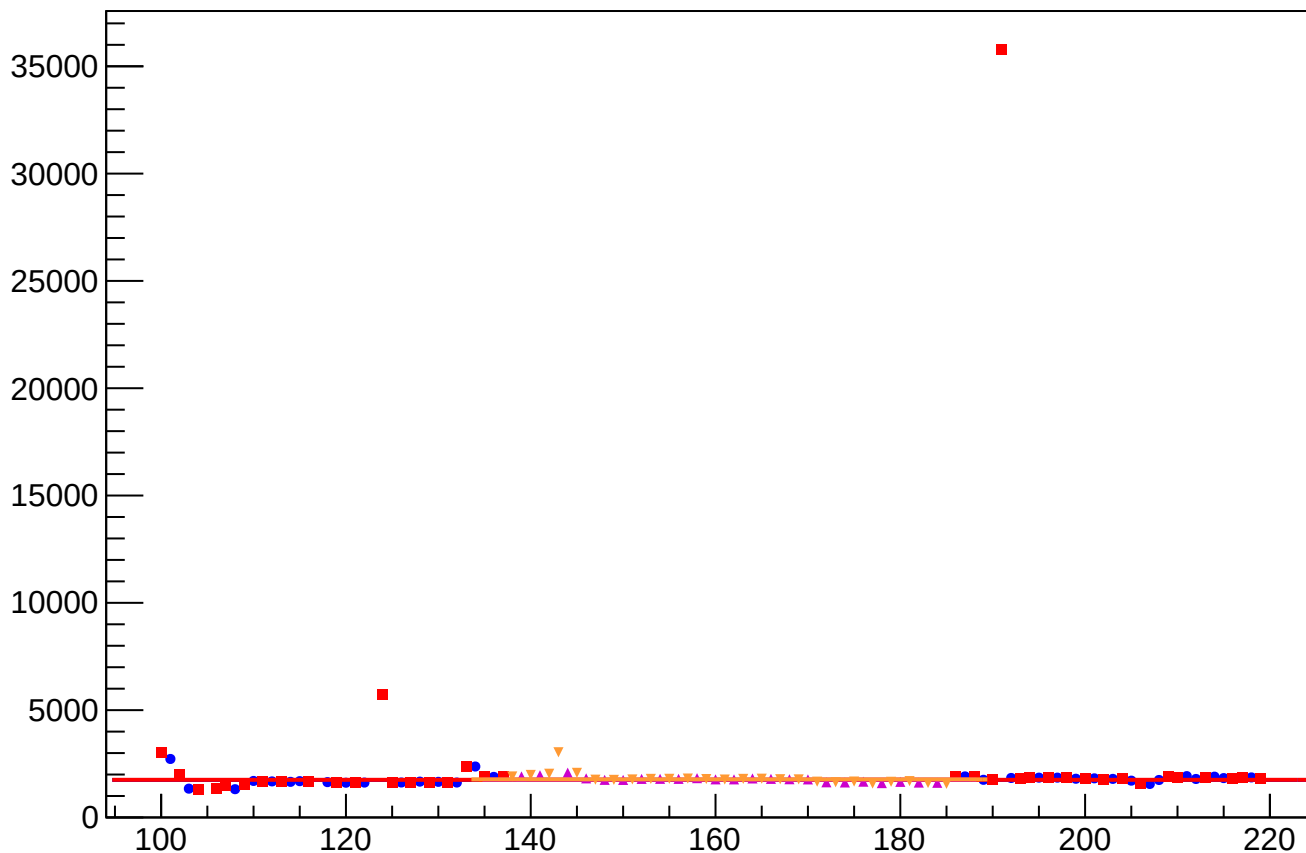
Left In: -2943.285 $\pm$ 412.069 χ^2 /NDF: 10.6/22

+ sign 1954.584 $\pm$ 281.595 χ^2 /NDF: 70.0/56

All: -174.083 $\pm$ 198.971 χ^2 /NDF: 226.9/116

- sign -2296.497 $\pm$ 281.181 χ^2 /NDF: 42.8/59

reg_asym_at2_avg_rms vs Slug



Right In: 1745.696 $\pm$ 0.277 χ^2 /NDF: 540427.1/31

Left Out: 1774.731 $\pm$ 0.287 χ^2 /NDF: 446895.8/24

Right Out: 1753.250 $\pm$ 0.272 χ^2 /NDF: 737681.2/36

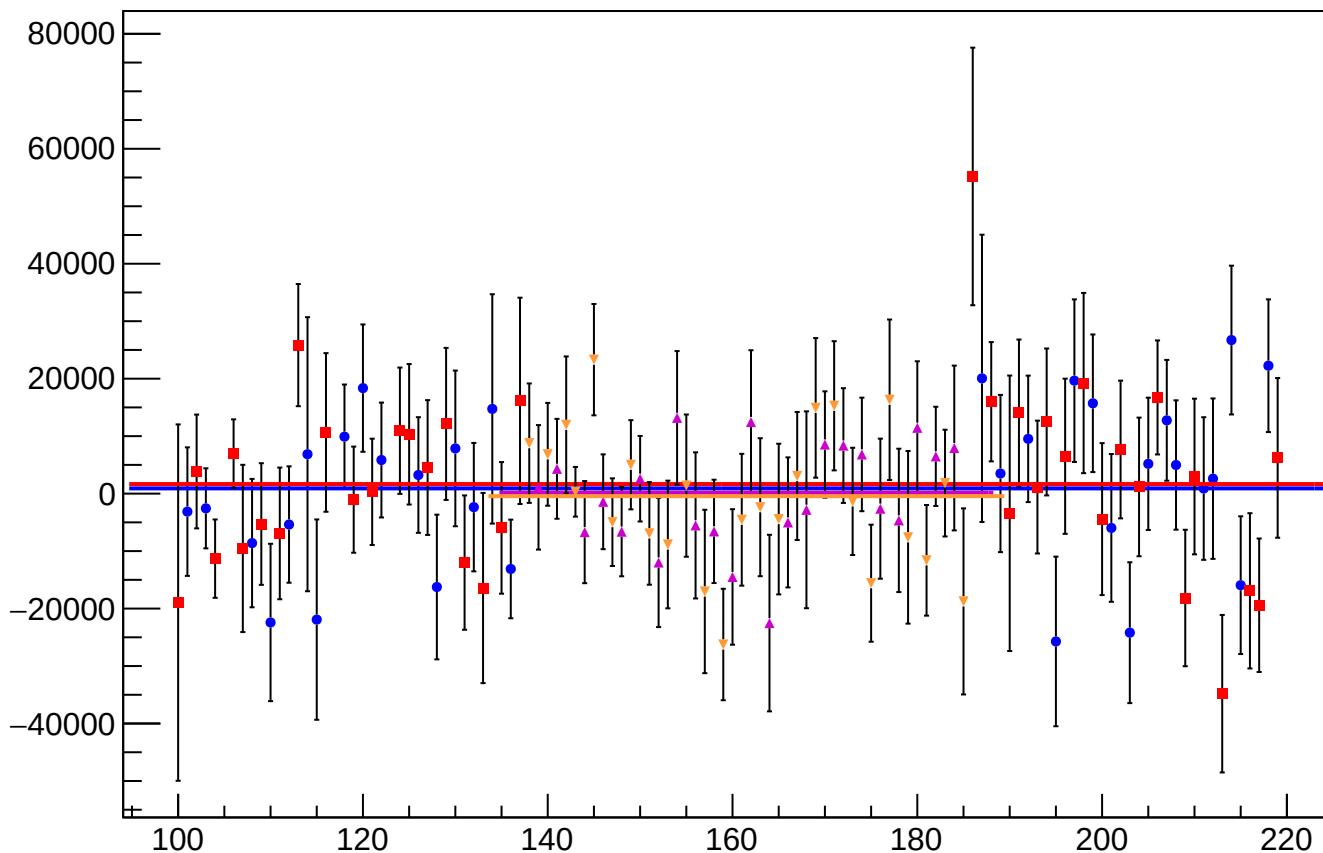
Left In: 1761.089 $\pm$ 0.291 χ^2 /NDF: 146266.6/22

+ sign 1759.695 $\pm$ 0.199 χ^2 /NDF: 992631.7/56

All: 1758.295 $\pm$ 0.141 χ^2 /NDF: 1877064.8/11

- sign 1756.900 $\pm$ 0.199 χ^2 /NDF: 884334.5/59

asym_at2_avg_reg_correction_mean vs Slug



Right In: 909.375 $\pm$ 2067.671 χ^2 /NDF: 38.5/31

Left Out: -443.346 $\pm$ 1925.604 χ^2 /NDF:29.5/24

Right Out: 1667.094 $\pm$ 1898.852 χ^2 /NDF: 46.4/36

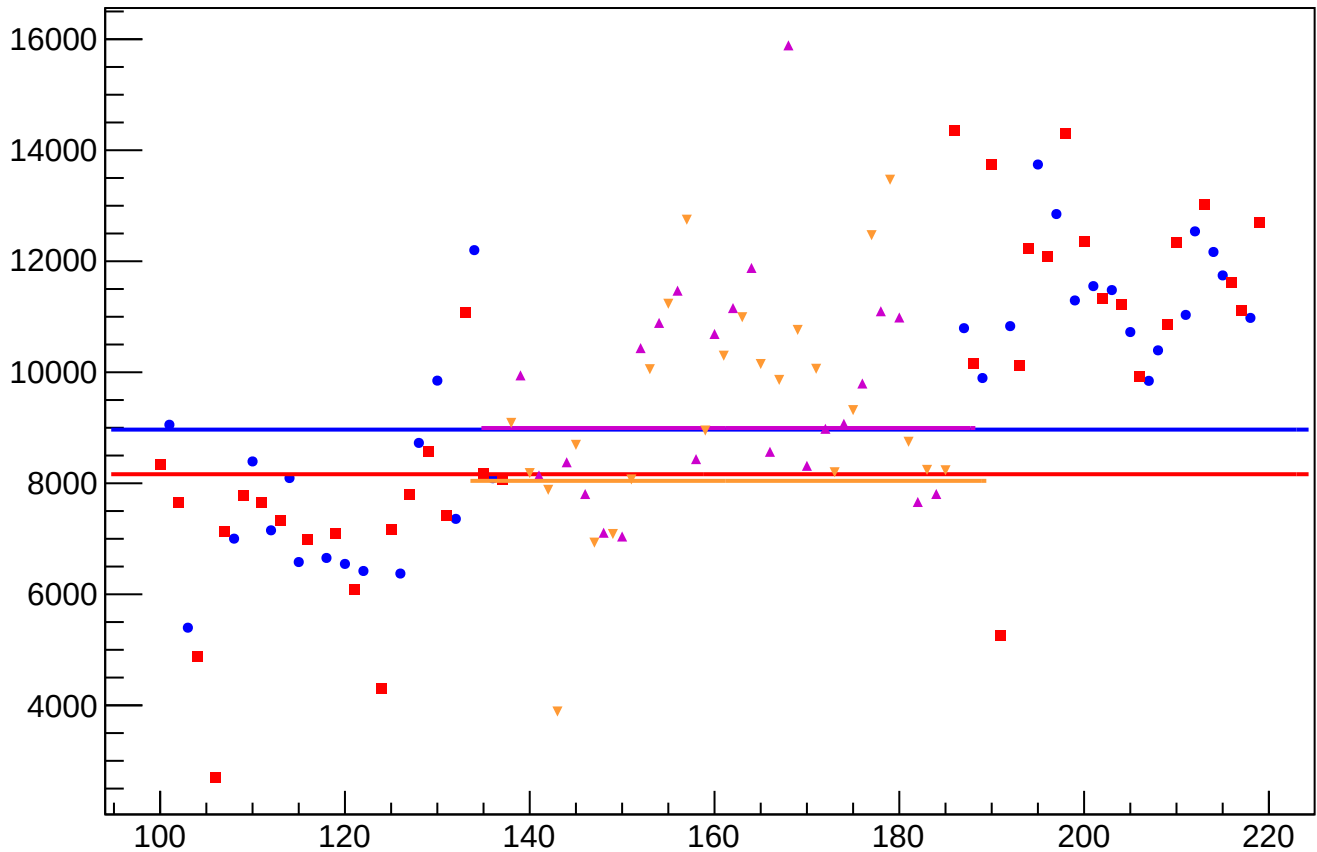
Left In: 155.268 $\pm$ 2143.489 χ^2 /NDF:13.8/22

+ sign 184.950 $\pm$ 1409.158 χ^2 /NDF: 68.2/56

All: 590.125 $\pm$ 1000.707 χ^2 /NDF: 128.8/116

- sign 1002.341 $\pm$ 1421.348 χ^2 /NDF: 60.5/59

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8967.011 $\pm$ 1.462 χ^2 /NDF: 2555270.9/31

Left Out: 8043.834 $\pm$ 1.362 χ^2 /NDF:3362838.6/24

Right Out: 8163.324 $\pm$ 1.343 χ^2 /NDF: 5371081.0/36

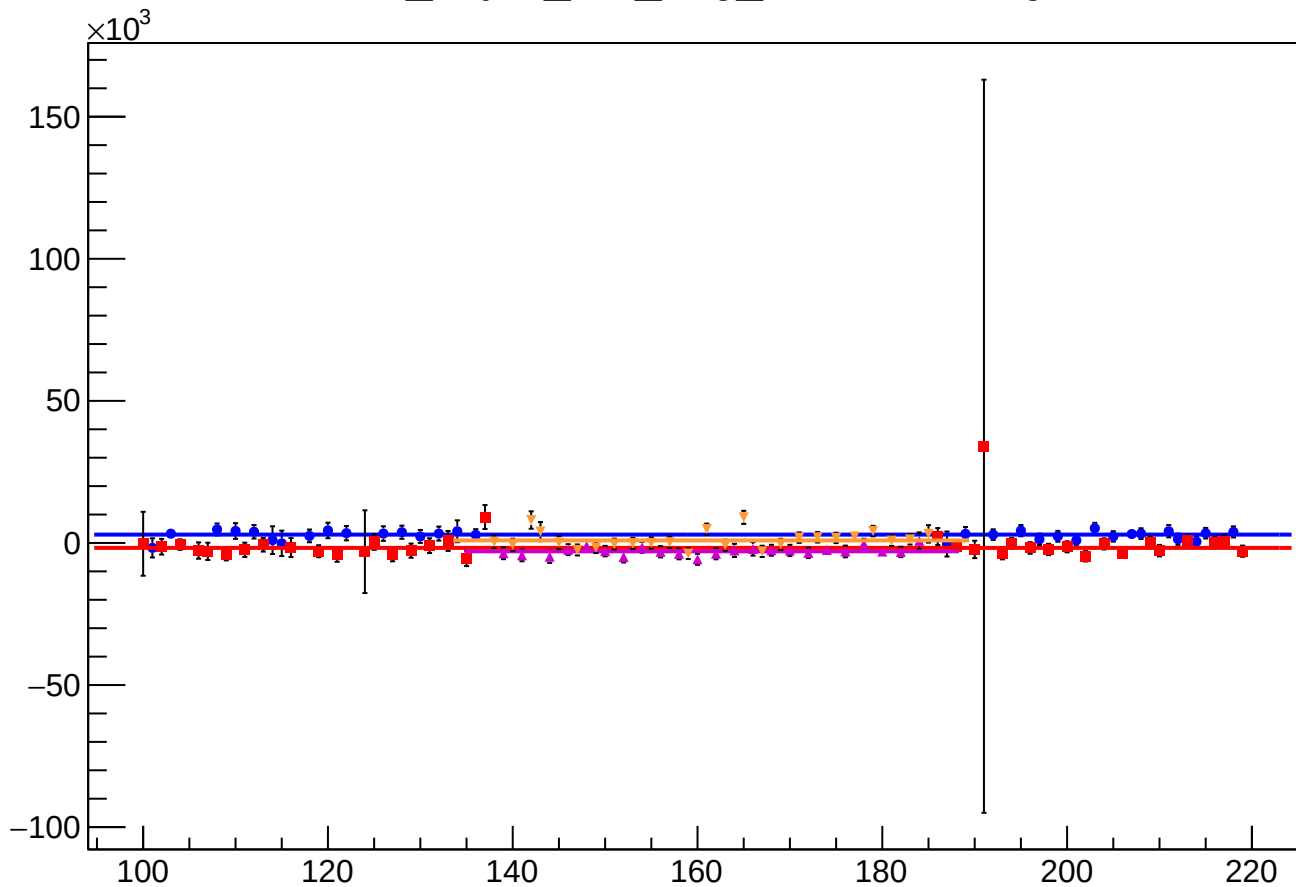
Left In: 8995.626 $\pm$ 1.516 χ^2 /NDF:1207133.5/22

+ sign 8472.620 $\pm$ 0.996 χ^2 /NDF: 6131621.6/56

All: 8500.710 $\pm$ 0.708 χ^2 /NDF: 12880393.4/1

- sign 8529.288 $\pm$ 1.005 χ^2 /NDF: 6747168.6/59

cor_asym_at2_avg_mean vs Slug



Right In: 2937.497 $\pm$ 391.310 χ^2 /NDF: 11.6/31

Left Out: 898.842 $\pm$ 405.540 χ^2 /NDF: 45.3/24

Right Out: -1732.907 $\pm$ 384.645 χ^2 /NDF: 27.7/36

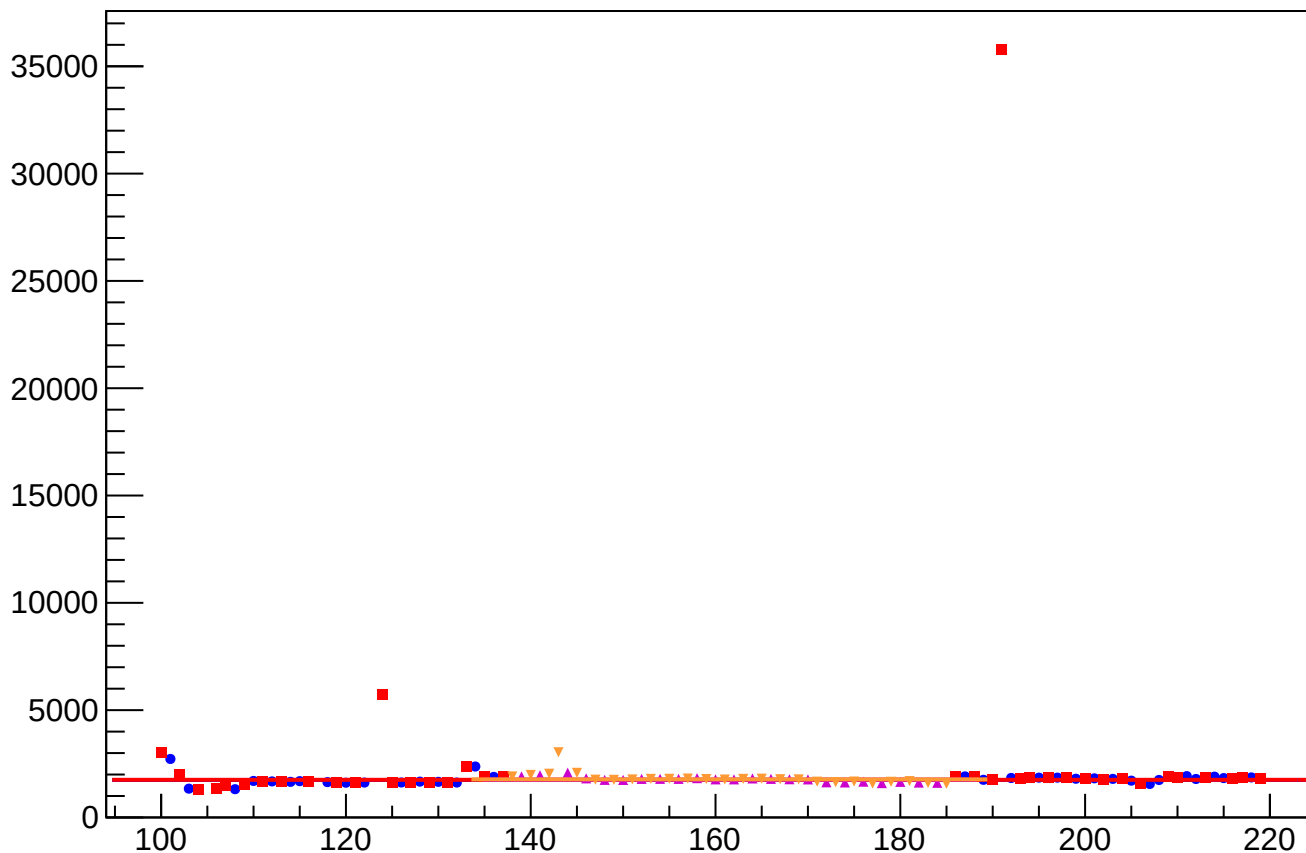
Left In: -2943.173 $\pm$ 412.069 χ^2 /NDF: 10.6/22

+ sign 1954.563 $\pm$ 281.595 χ^2 /NDF: 70.0/56

All: -174.060 $\pm$ 198.971 χ^2 /NDF: 226.9/116

- sign -2296.430 $\pm$ 281.181 χ^2 /NDF: 42.8/59

cor_asym_at2_avg_rms vs Slug



Right In: 1745.696+/-0.277 χ^2/NDF : 540427.6/31

Left Out: 1774.731+/-0.287 χ^2/NDF : 446895.7/24

Right Out: 1753.250+/-0.272 χ^2/NDF : 737681.5/36

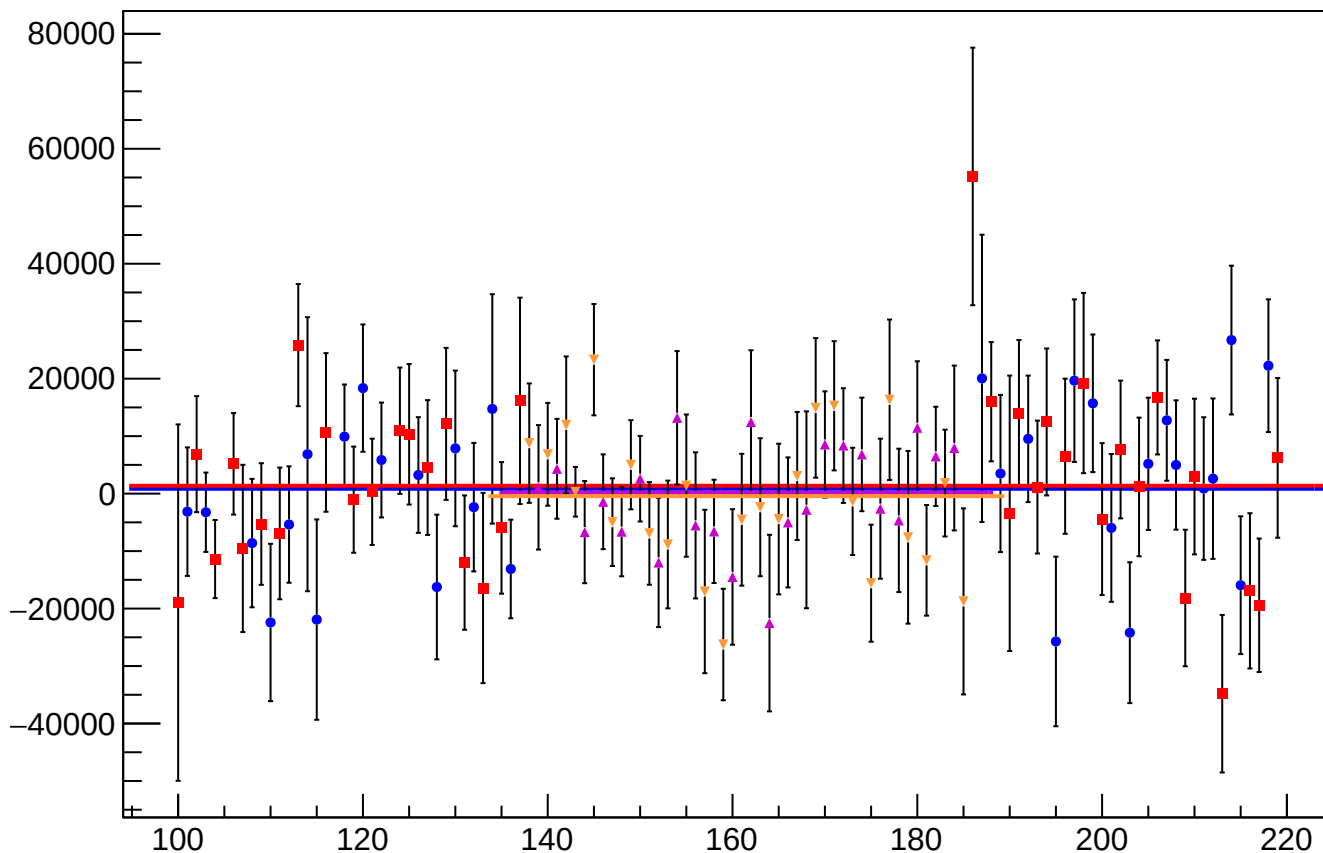
Left In: 1761.089+/-0.291 χ^2/NDF : 146266.6/22

+ sign 1759.695+/-0.199 χ^2/NDF : 992632.1/56

All: 1758.295+/-0.141 χ^2/NDF : 1877065.5/11

- sign 1756.900+/-0.199 χ^2/NDF : 884334.7/59

asym_at2_avg_cor_correction_mean vs Slug



Right In: 843.275 ± 2066.101 χ^2/NDF : 38.6/31

Left Out: -443.387 ± 1925.600 χ^2/NDF : 29.5/24

Right Out: 1368.392 ± 1954.366 χ^2/NDF : 46.0/36

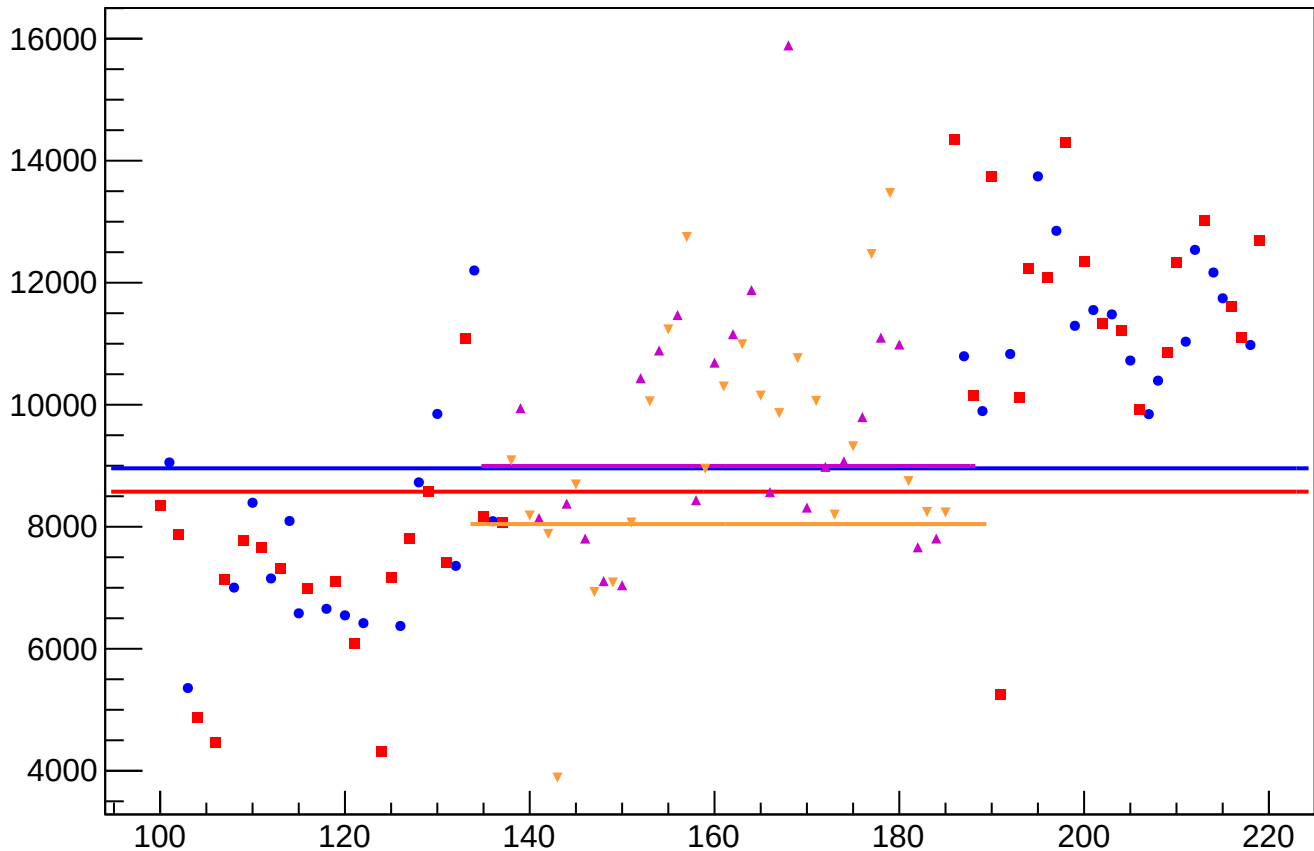
Left In: 155.239 ± 2143.487 χ^2/NDF : 13.8/22

+ sign 154.711 ± 1408.659 χ^2/NDF : 68.3/56

All: 477.943 ± 1008.399 χ^2/NDF : 128.4/116

- sign 817.685 ± 1444.187 χ^2/NDF : 60.0/59

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8957.796 $\pm$ 1.461 χ^2 /NDF: 2576991.3/31

Left Out: 8043.808 $\pm$ 1.362 χ^2 /NDF: 3362915.7/24

Right Out: 8575.047 $\pm$ 1.382 χ^2 /NDF: 3957206.5/36

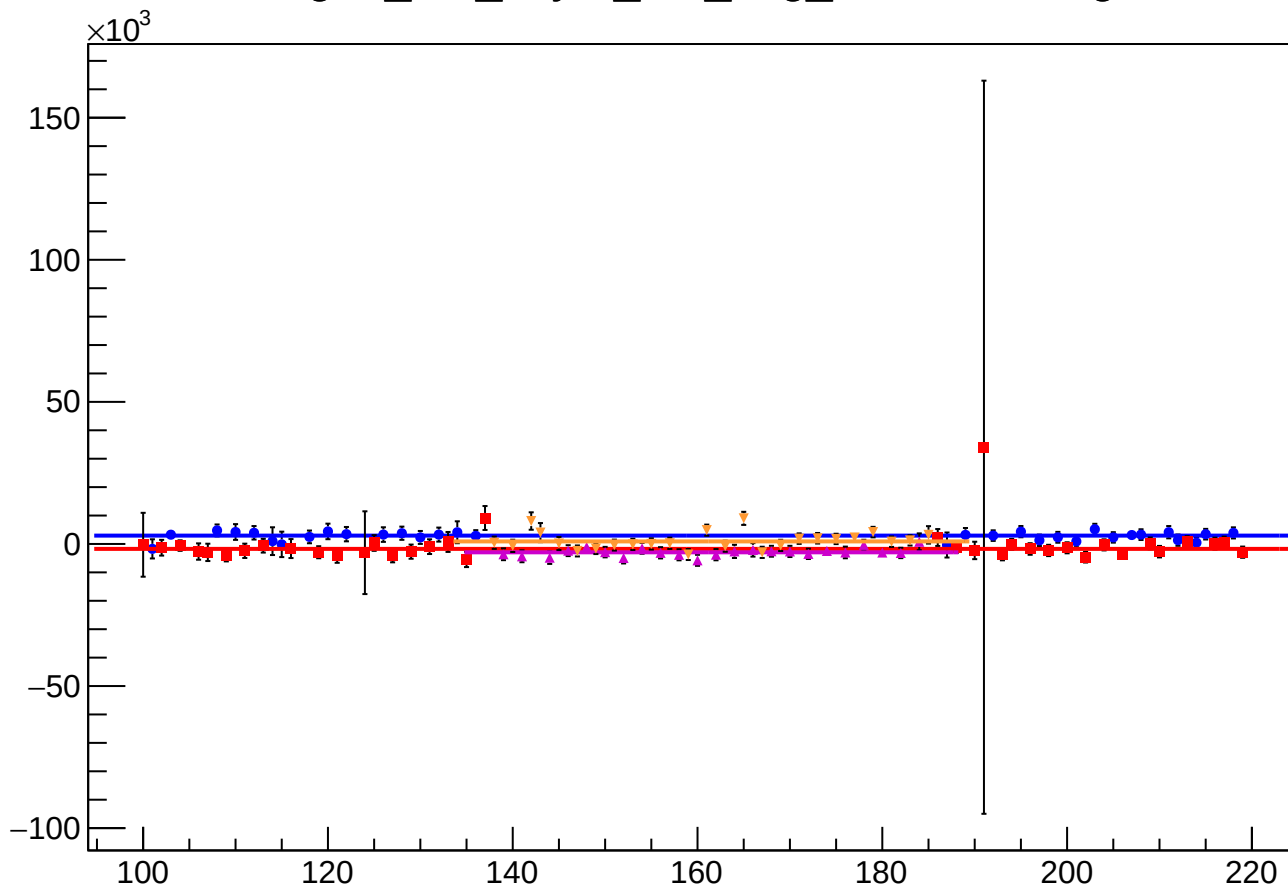
Left In: 8995.616 $\pm$ 1.516 χ^2 /NDF: 1207139.1/22

+ sign 8468.671 $\pm$ 0.996 χ^2 /NDF: 6149359.9/56

All: 8613.615 $\pm$ 0.713 χ^2 /NDF: 11399180.2/1

- sign 8765.963 $\pm$ 1.021 χ^2 /NDF: 5206389.1/59

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 2937.497 $\pm$ 391.310 χ^2 /NDF: 11.6/31

Left Out: 898.842 $\pm$ 405.540 χ^2 /NDF:45.3/24

Right Out: -1732.907 $\pm$ 384.645 χ^2 /NDF: 27.7/36

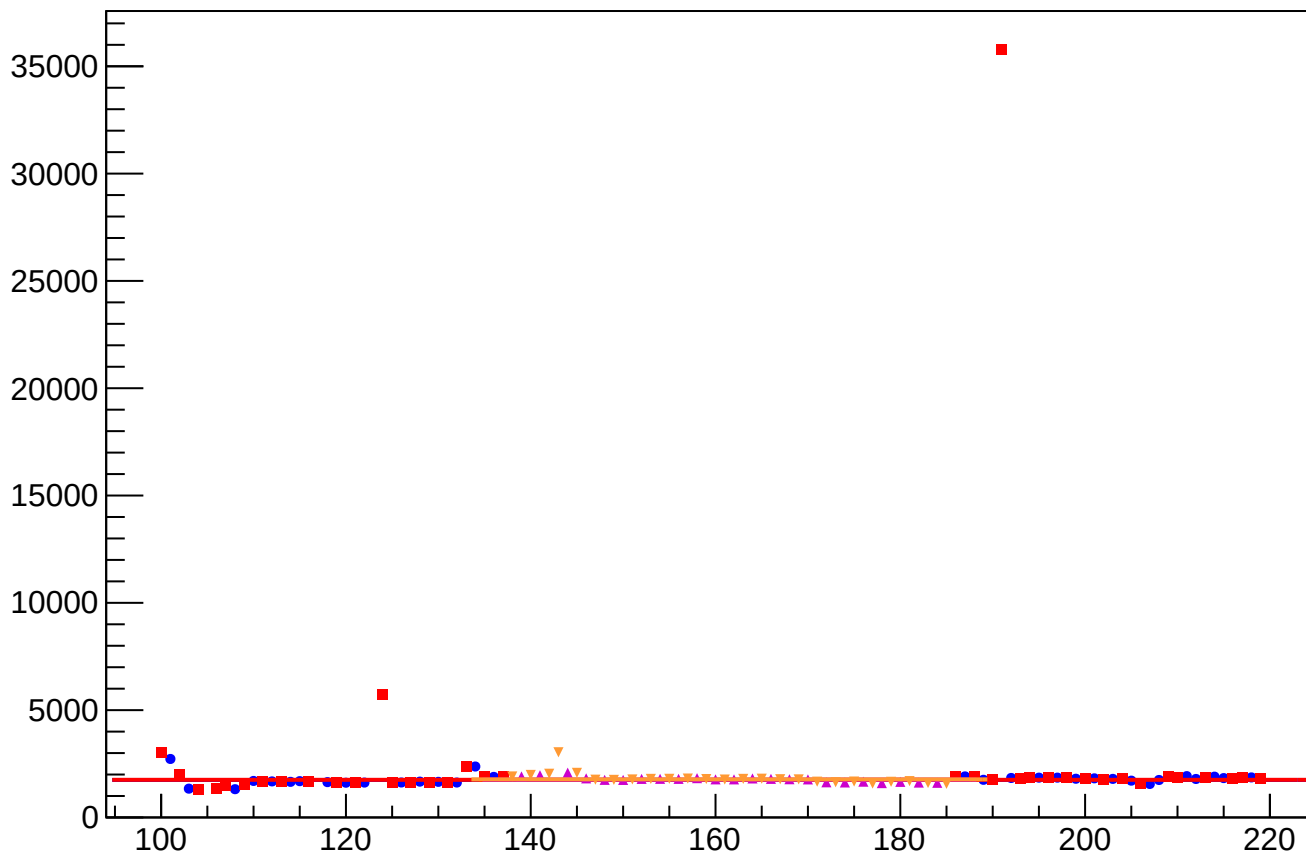
Left In: -2943.173 $\pm$ 412.069 χ^2 /NDF:10.6/22

+ sign 1954.563 $\pm$ 281.595 χ^2 /NDF: 70.0/56

All: -174.060 $\pm$ 198.971 χ^2 /NDF: 226.9/116

- sign -2296.430 $\pm$ 281.181 χ^2 /NDF: 42.8/59

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1745.696 $\pm$ 0.277 χ^2 /NDF: 540427.6/31

Left Out: 1774.731 $\pm$ 0.287 χ^2 /NDF: 446895.7/24

Right Out: 1753.250 $\pm$ 0.272 χ^2 /NDF: 737681.5/36

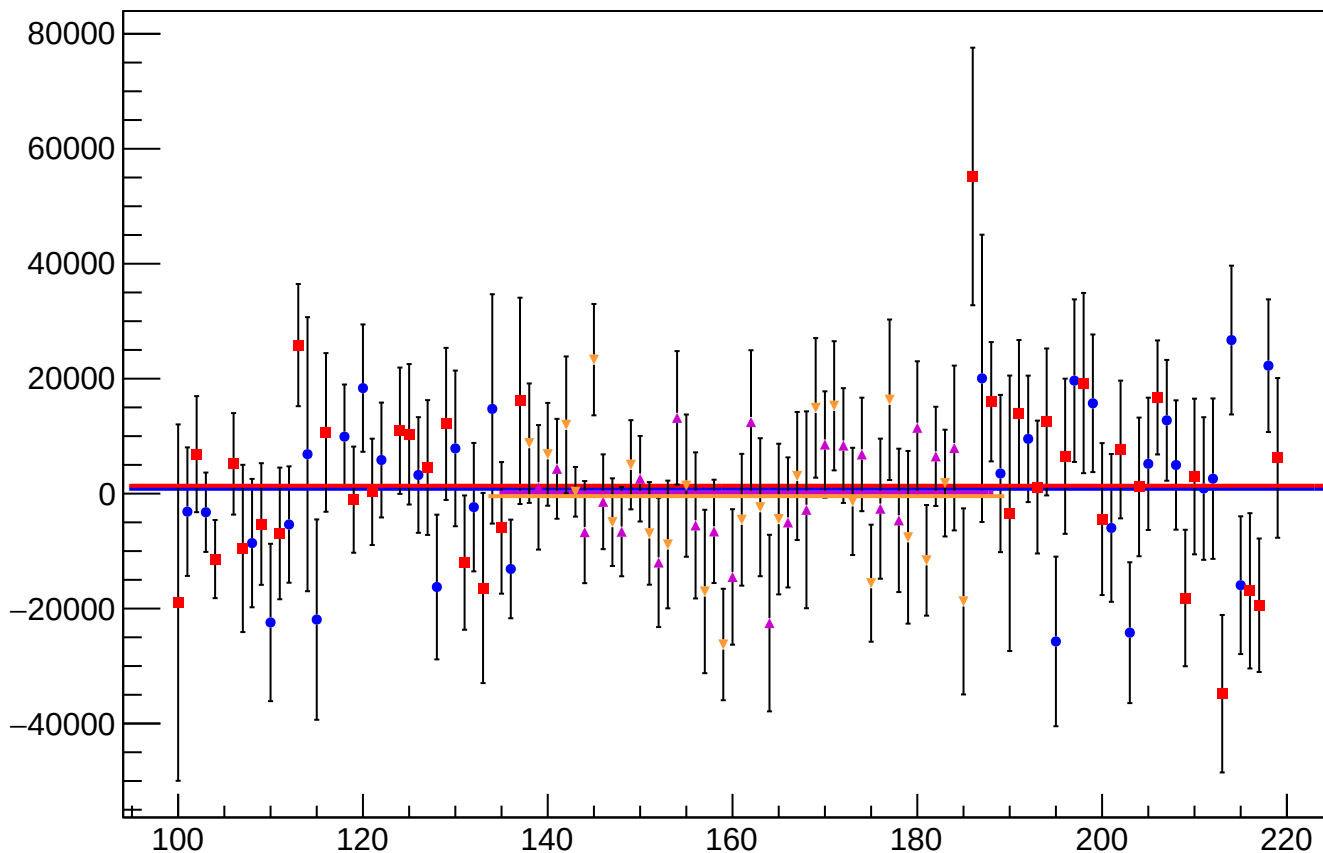
Left In: 1761.089 $\pm$ 0.291 χ^2 /NDF: 146266.6/22

+ sign 1759.695 $\pm$ 0.199 χ^2 /NDF: 992632.1/56

All: 1758.295 $\pm$ 0.141 χ^2 /NDF: 1877065.5/11

- sign 1756.900 $\pm$ 0.199 χ^2 /NDF: 884334.7/59

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: 843.275 ± 2066.101 χ^2/NDF : 38.6/31

Left Out: -443.387 ± 1925.600 χ^2/NDF : 29.5/24

Right Out: 1368.392 ± 1954.366 χ^2/NDF : 46.0/36

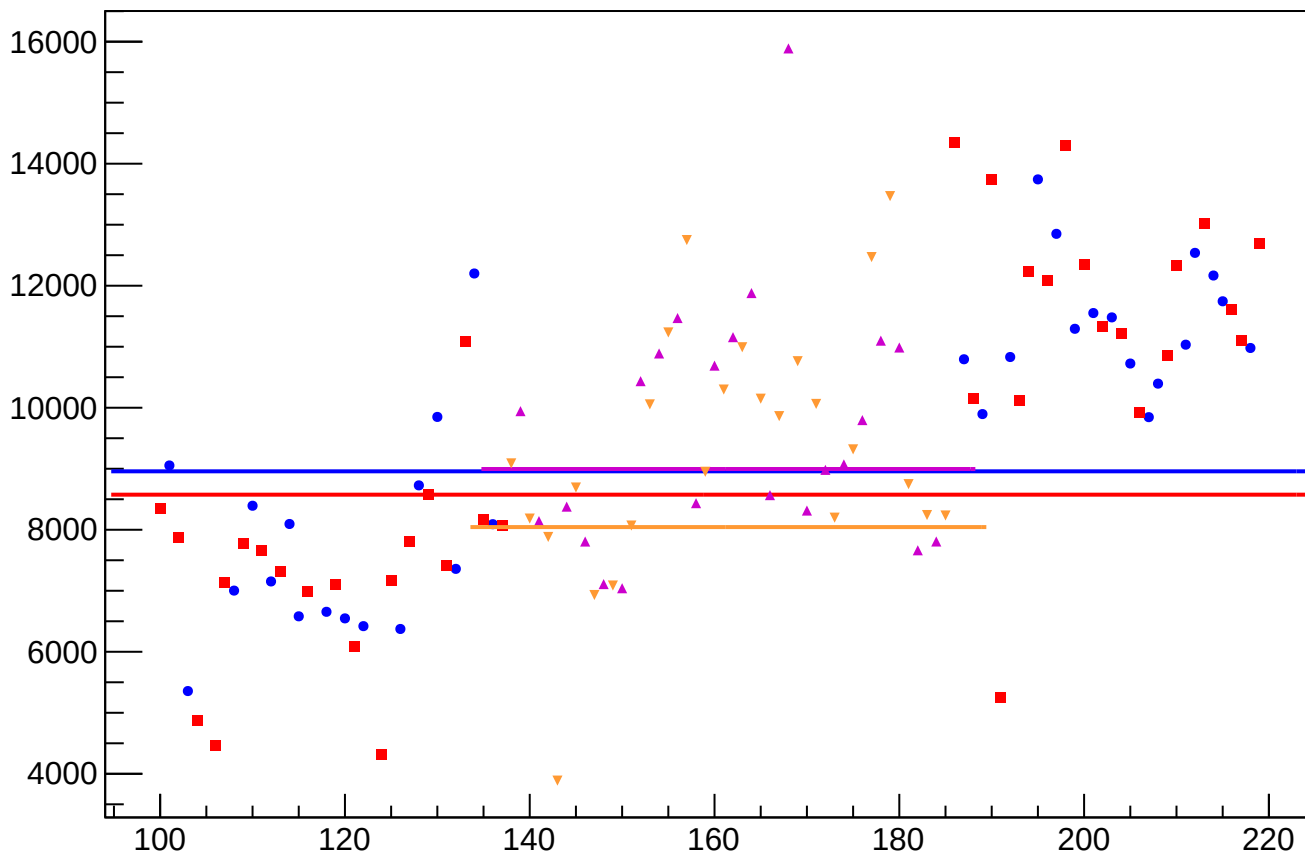
Left In: 155.239 ± 2143.487 χ^2/NDF : 13.8/22

+ sign 154.711 ± 1408.659 χ^2/NDF : 68.3/56

All: 477.943 ± 1008.399 χ^2/NDF : 128.4/116

- sign 817.685 ± 1444.187 χ^2/NDF : 60.0/59

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8957.796 $\pm$ 1.461 χ^2 /NDF: 2576991.3/31

Left Out: 8043.808 $\pm$ 1.362 χ^2 /NDF: 3362915.7/24

Right Out: 8575.047 $\pm$ 1.382 χ^2 /NDF: 3957206.5/36

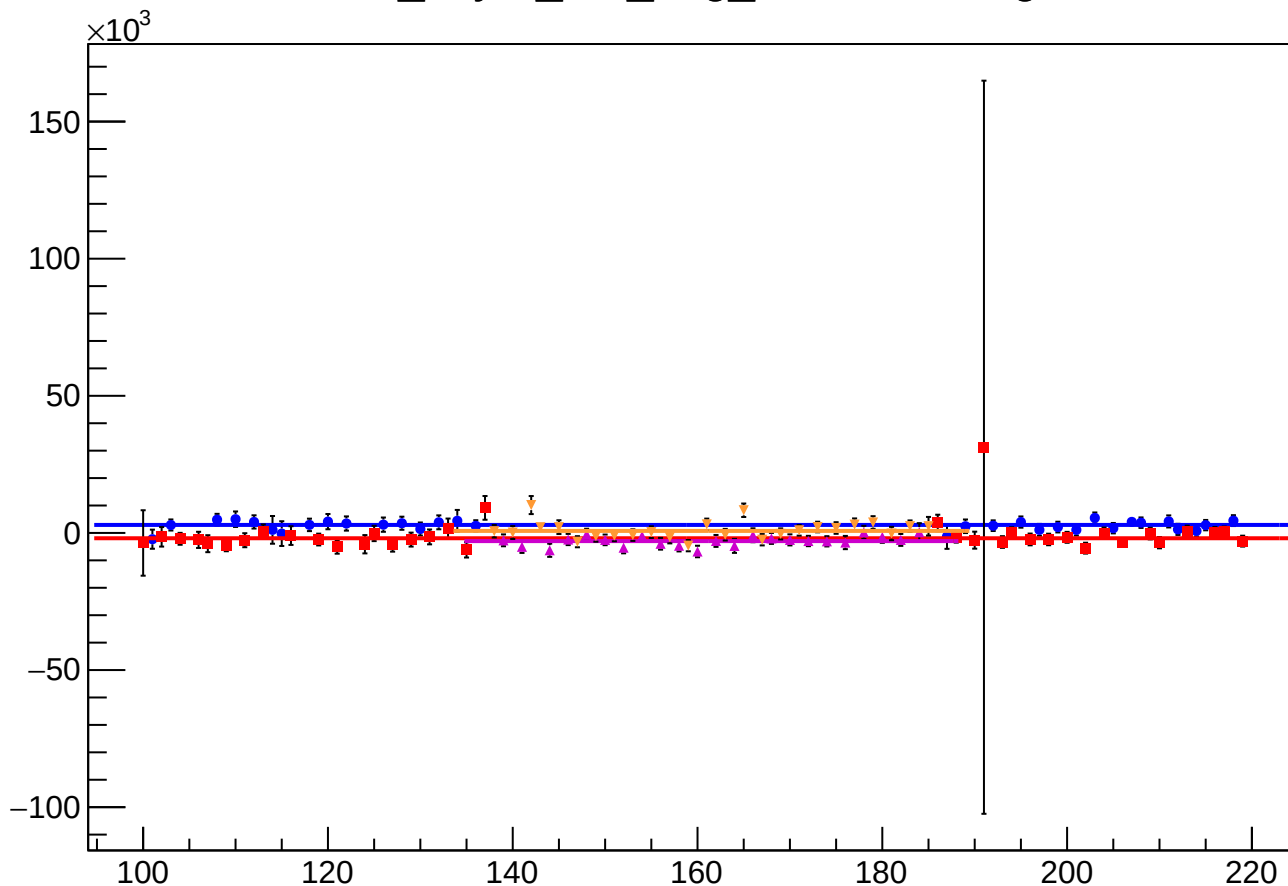
Left In: 8995.616 $\pm$ 1.516 χ^2 /NDF: 1207139.1/22

+ sign 8468.671 $\pm$ 0.996 χ^2 /NDF: 6149359.9/56

All: 8613.615 $\pm$ 0.713 χ^2 /NDF: 11399180.2/1

- sign 8765.963 $\pm$ 1.021 χ^2 /NDF: 5206389.1/59

dit_asym_at2_avg_mean vs Slug



Right In: 2919.077 $\pm$ 403.176 χ^2 /NDF: 13.6/31

Left Out: 739.029 $\pm$ 432.878 χ^2 /NDF: 41.6/24

Right Out: -1940.557 $\pm$ 394.824 χ^2 /NDF: 32.2/36

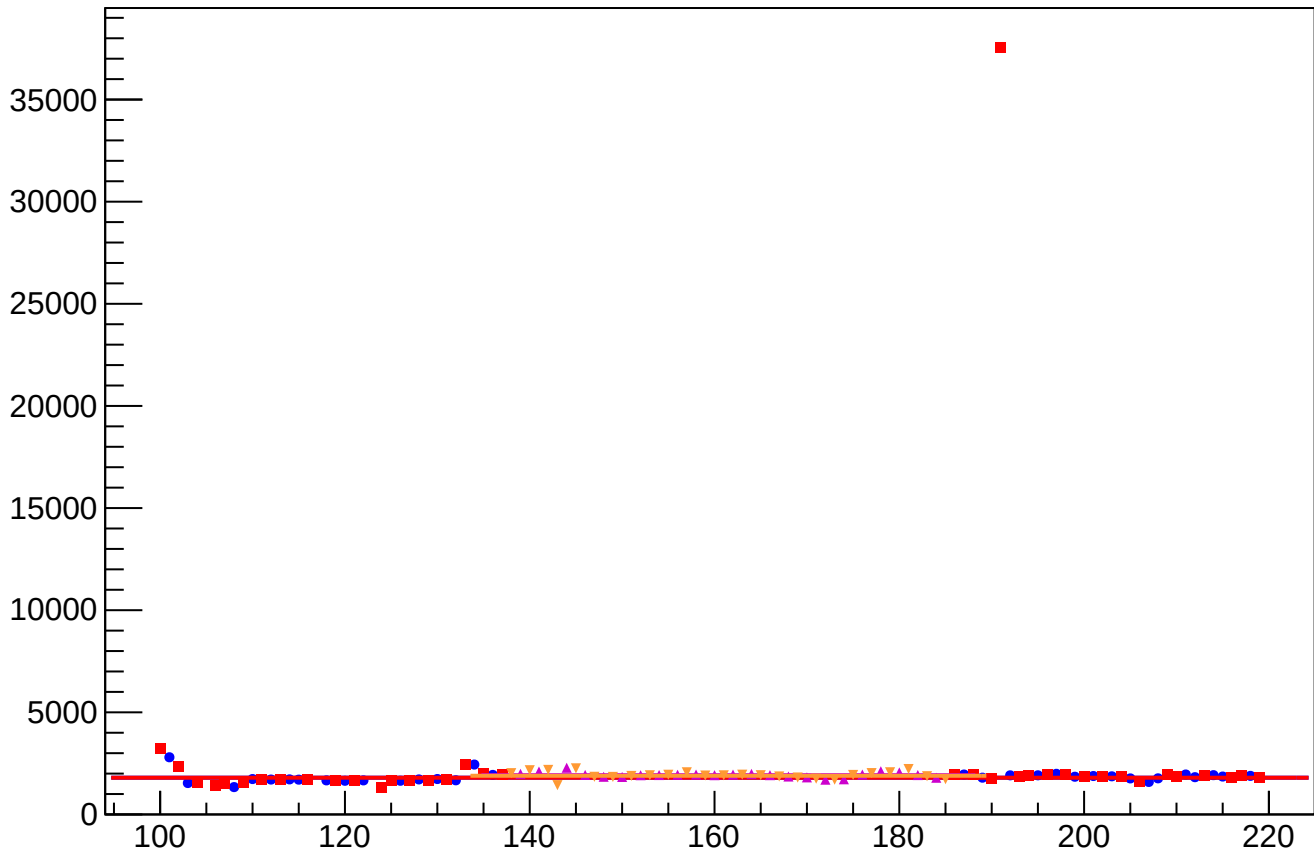
Left In: -2979.225 $\pm$ 450.334 χ^2 /NDF: 15.6/22

+ sign 1906.406 $\pm$ 295.030 χ^2 /NDF: 68.8/56

All: -229.348 $\pm$ 209.269 χ^2 /NDF: 225.1/116

- sign -2391.964 $\pm$ 296.880 χ^2 /NDF: 50.8/59

dit_asym_at2_avg_rms vs Slug



Right In: 1799.224+/-0.285 χ^2/NDF : 483888.3/31

Left Out: 1894.684+/-0.306 χ^2/NDF : 368587.1/24

Right Out: 1798.428+/-0.279 χ^2/NDF : 591603.0/36

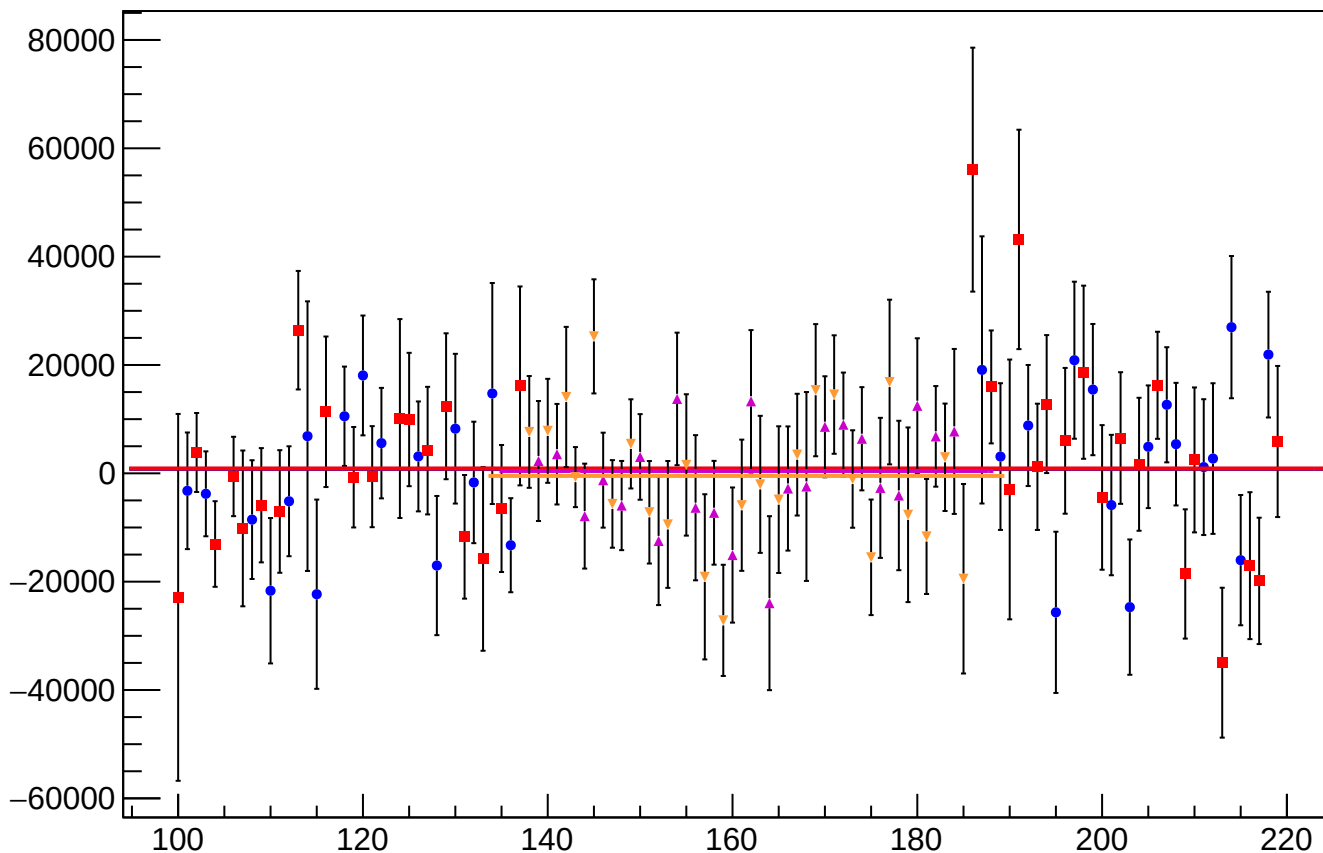
Left In: 1923.038+/-0.318 χ^2/NDF : 150977.3/22

+ sign 1843.567+/-0.209 χ^2/NDF : 904557.7/56

All: 1848.043+/-0.148 χ^2/NDF : 1734656.2/11

- sign 1852.575+/-0.210 χ^2/NDF : 829172.0/59

asym_at2_avg_dit_correction_mean vs Slug



Right In: 820.829+/-2097.019 χ^2/NDF : 38.2/31

Left Out: -479.338+/-2089.235 χ^2/NDF : 28.8/24

Right Out: 884.684+/-1962.576 χ^2/NDF : 48.2/36

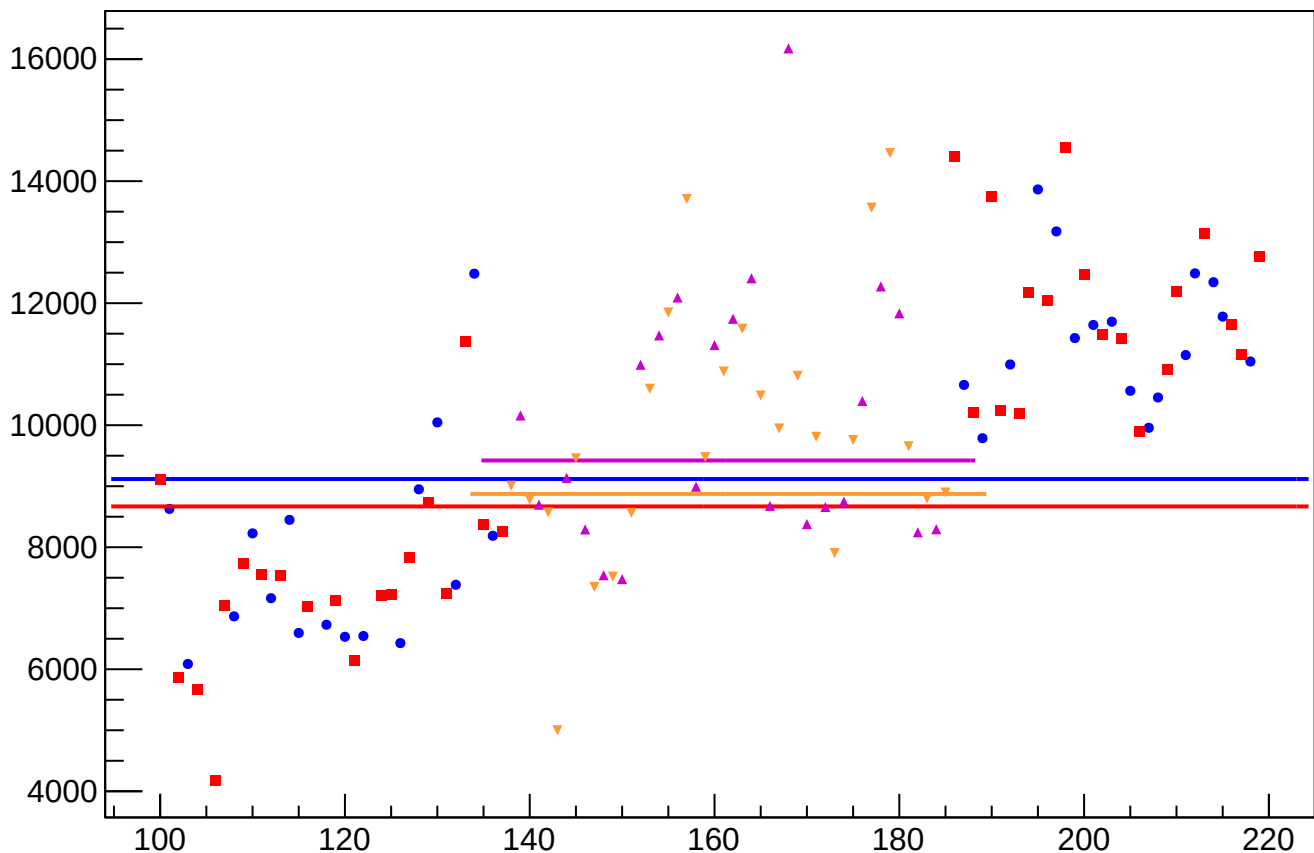
Left In: 436.717+/-2245.180 χ^2/NDF : 13.6/22

+ sign 168.328+/-1480.057 χ^2/NDF : 67.2/56

All: 429.919+/-1045.698 χ^2/NDF : 129.1/116

- sign 690.652+/-1477.627 χ^2/NDF : 61.8/59

asym_at2_avg_dit_correction_rms vs Slug



Right In: 9117.905+/-1.483 χ^2/NDF : 2341356.7/31

Left Out: 8873.592+/-1.477 χ^2/NDF : 2203249.6/24

Right Out: 8668.636+/-1.388 χ^2/NDF : 3821519.5/36

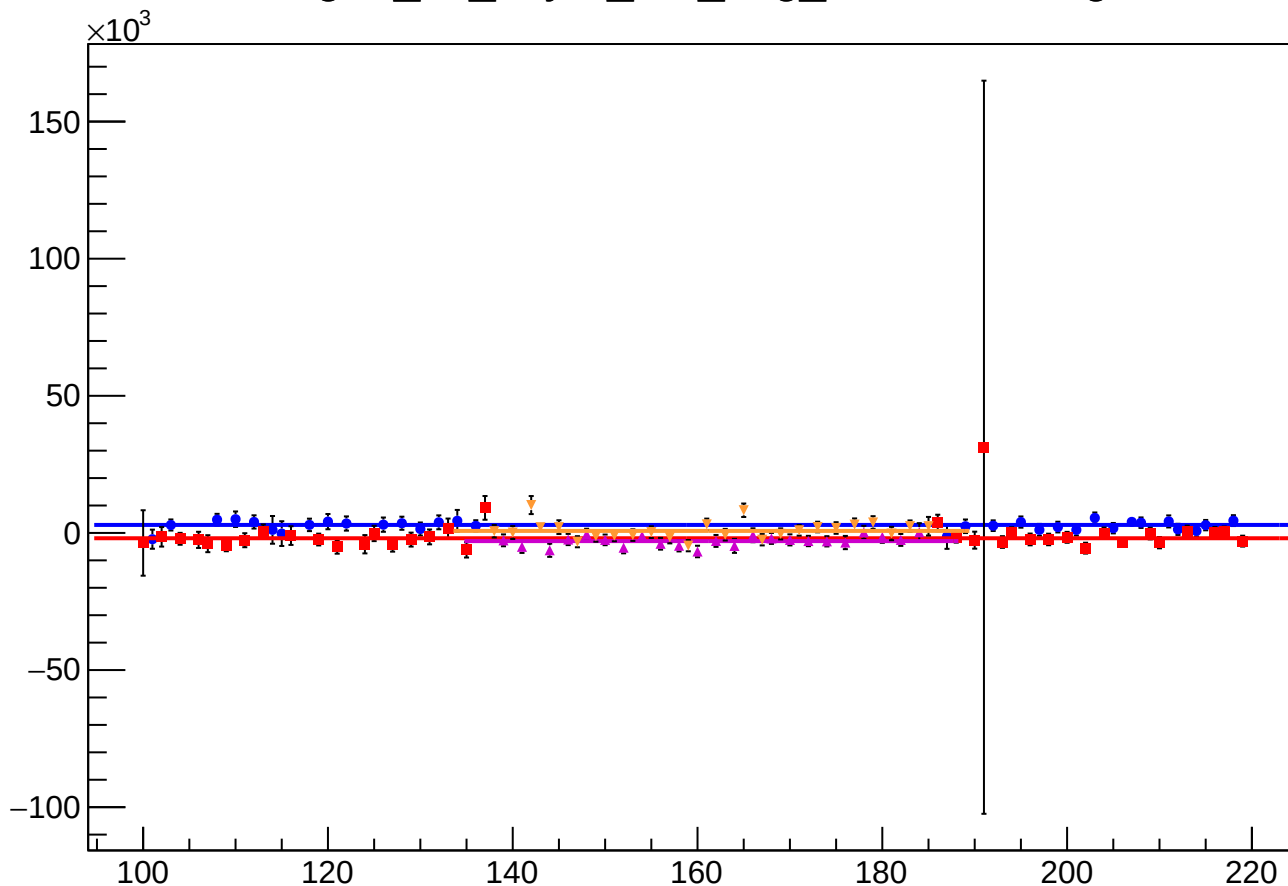
Left In: 9421.708+/-1.588 χ^2/NDF : 1204848.0/22

+ sign 8995.295+/-1.047 χ^2/NDF : 4558230.2/56

All: 8995.057+/-0.739 χ^2/NDF : 9712146.9/11

- sign 8994.821+/-1.045 χ^2/NDF : 5153916.6/59

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2919.072 $\pm$ 403.176 χ^2 /NDF: 13.6/31

Left Out: 739.018 $\pm$ 432.879 χ^2 /NDF: 41.6/24

Right Out: -1940.556 $\pm$ 394.824 χ^2 /NDF: 32.2/36

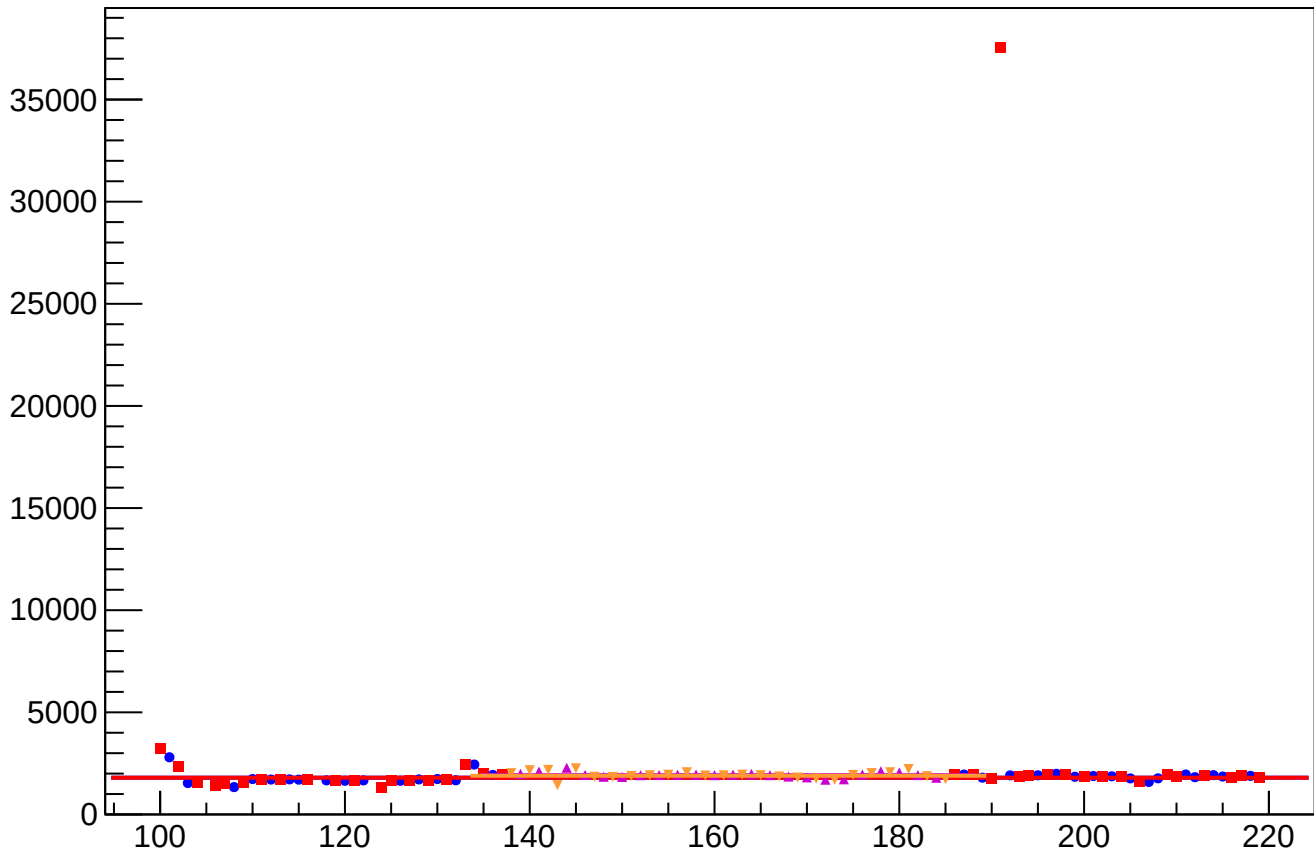
Left In: -2979.226 $\pm$ 450.335 χ^2 /NDF: 15.6/22

+ sign 1906.400 $\pm$ 295.031 χ^2 /NDF: 68.8/56

All: -229.350 $\pm$ 209.269 χ^2 /NDF: 225.1/116

- sign -2391.963 $\pm$ 296.880 χ^2 /NDF: 50.8/59

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1799.224+/-0.285 χ^2/NDF : 483888.9/31

Left Out: 1894.687+/-0.306 χ^2/NDF : 368594.6/24

Right Out: 1798.428+/-0.279 χ^2/NDF : 591604.4/36

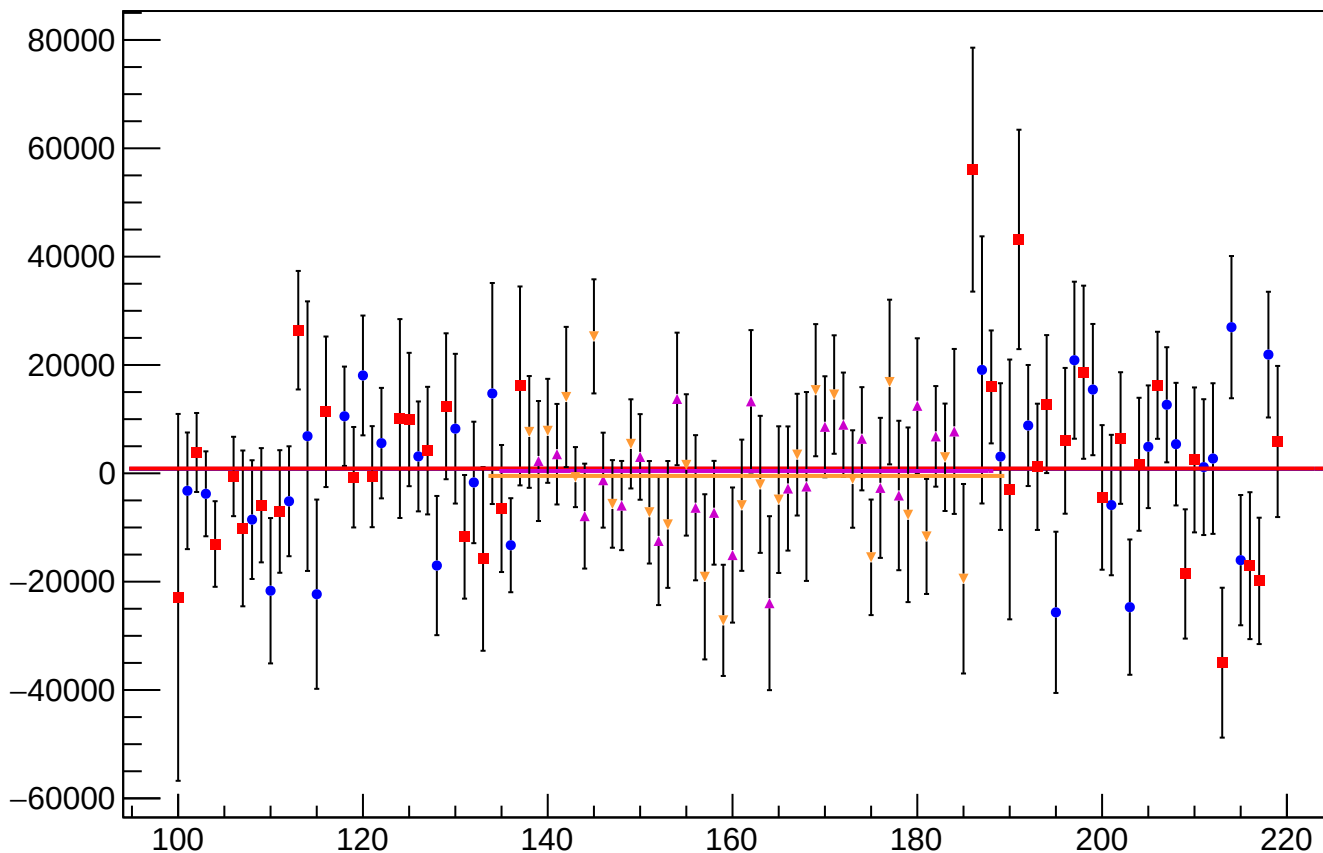
Left In: 1923.042+/-0.318 χ^2/NDF : 150984.8/22

+ sign 1843.568+/-0.209 χ^2/NDF : 904569.2/56

All: 1848.045+/-0.148 χ^2/NDF : 1734681.1/11

- sign 1852.576+/-0.210 χ^2/NDF : 829185.3/59

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: 820.834 $\pm$ 2097.018 χ^2 /NDF: 38.2/31

Left Out: -479.345 $\pm$ 2089.238 χ^2 /NDF:28.8/24

Right Out: 884.674 $\pm$ 1962.575 χ^2 /NDF: 48.2/36

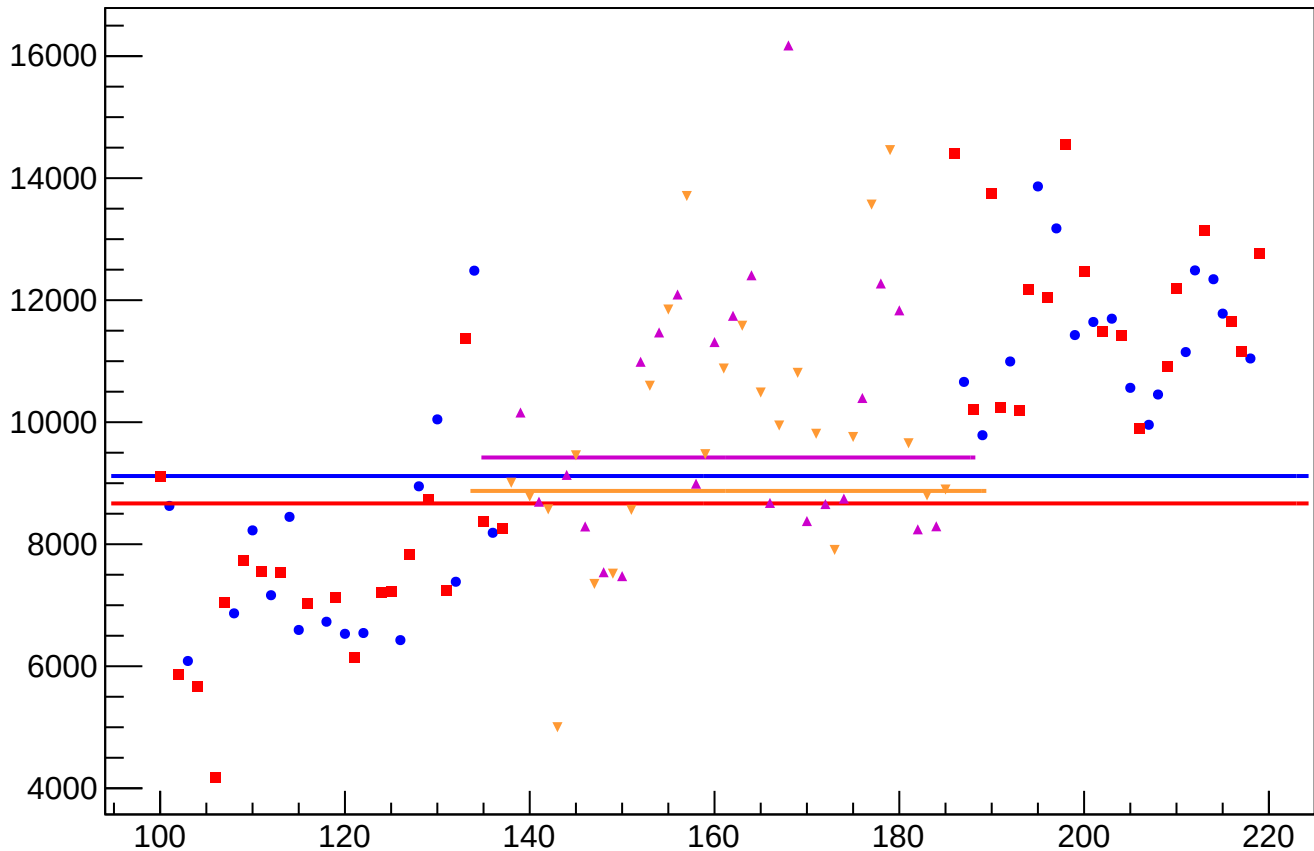
Left In: 436.720 $\pm$ 2245.183 χ^2 /NDF:13.6/22

+ sign 168.328 $\pm$ 1480.058 χ^2 /NDF: 67.2/56

All: 429.917 $\pm$ 1045.698 χ^2 /NDF: 129.1/116

- sign 690.648 $\pm$ 1477.627 χ^2 /NDF: 61.8/59

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 9117.897 ± 1.483 $\chi^2/\text{NDF}: 2341392.1/31$

Left Out: 8873.607 ± 1.477 $\chi^2/\text{NDF}: 2203251.2/24$

Right Out: 8668.625 ± 1.388 $\chi^2/\text{NDF}: 3821552.6/36$

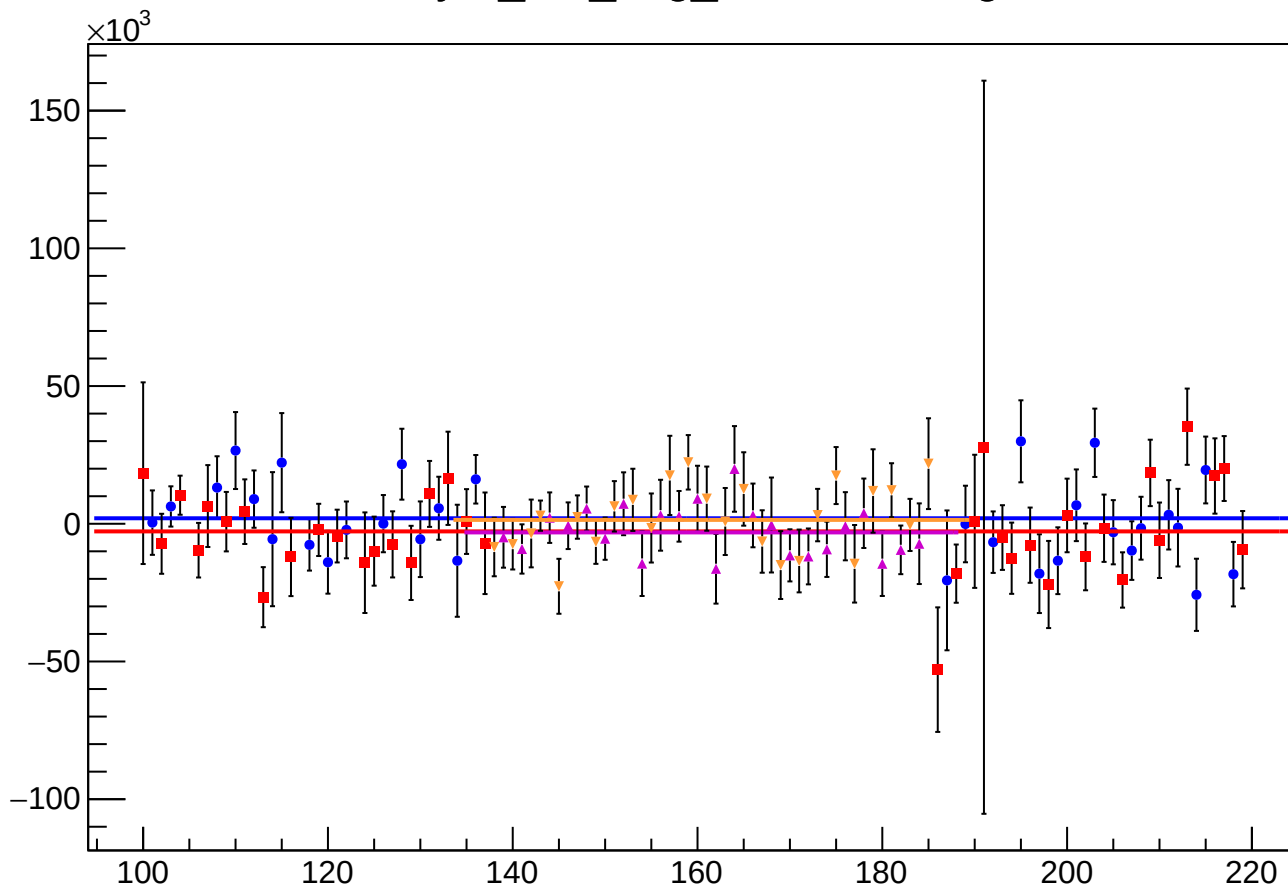
Left In: 9421.722 ± 1.588 $\chi^2/\text{NDF}: 1204851.9/22$

+ sign 8995.298 ± 1.047 $\chi^2/\text{NDF}: 4558264.6/56$

All: 8995.059 ± 0.739 $\chi^2/\text{NDF}: 9712226.4/11$

- sign 8994.820 ± 1.045 $\chi^2/\text{NDF}: 5153961.7/59$

asym_at2_avg_mean vs Slug



Right In: 1995.803 $\pm$ 2115.558 χ^2 /NDF: 40.0/31

Left Out: 1408.316 $\pm$ 2039.907 χ^2 /NDF: 27.4/24

Right Out: -2769.411 $\pm$ 2054.294 χ^2 /NDF: 45.0/36

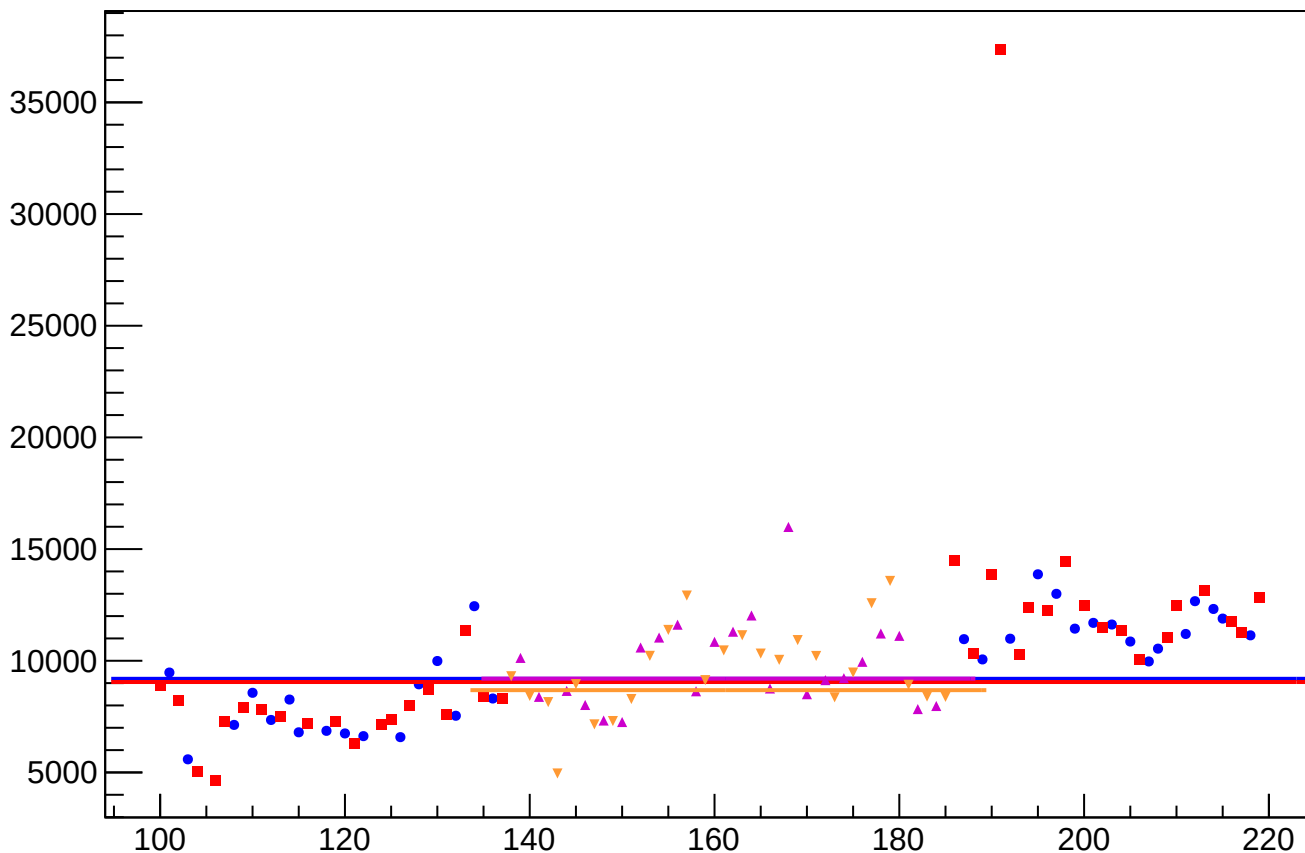
Left In: -3139.264 $\pm$ 2189.465 χ^2 /NDF: 13.0/22

+ sign 1691.368 $\pm$ 1468.449 χ^2 /NDF: 67.5/56

All: -579.267 $\pm$ 1048.681 χ^2 /NDF: 130.4/116

- sign -2942.569 $\pm$ 1498.113 χ^2 /NDF: 57.9/59

asym_at2_avg_rms vs Slug



Right In: 9191.930+/-1.496 χ^2/NDF : 2393156.7/31

Left Out: 8684.549+/-1.442 χ^2/NDF : 2051622.3/24

Right Out: 9048.823+/-1.453 χ^2/NDF : 3336867.7/36

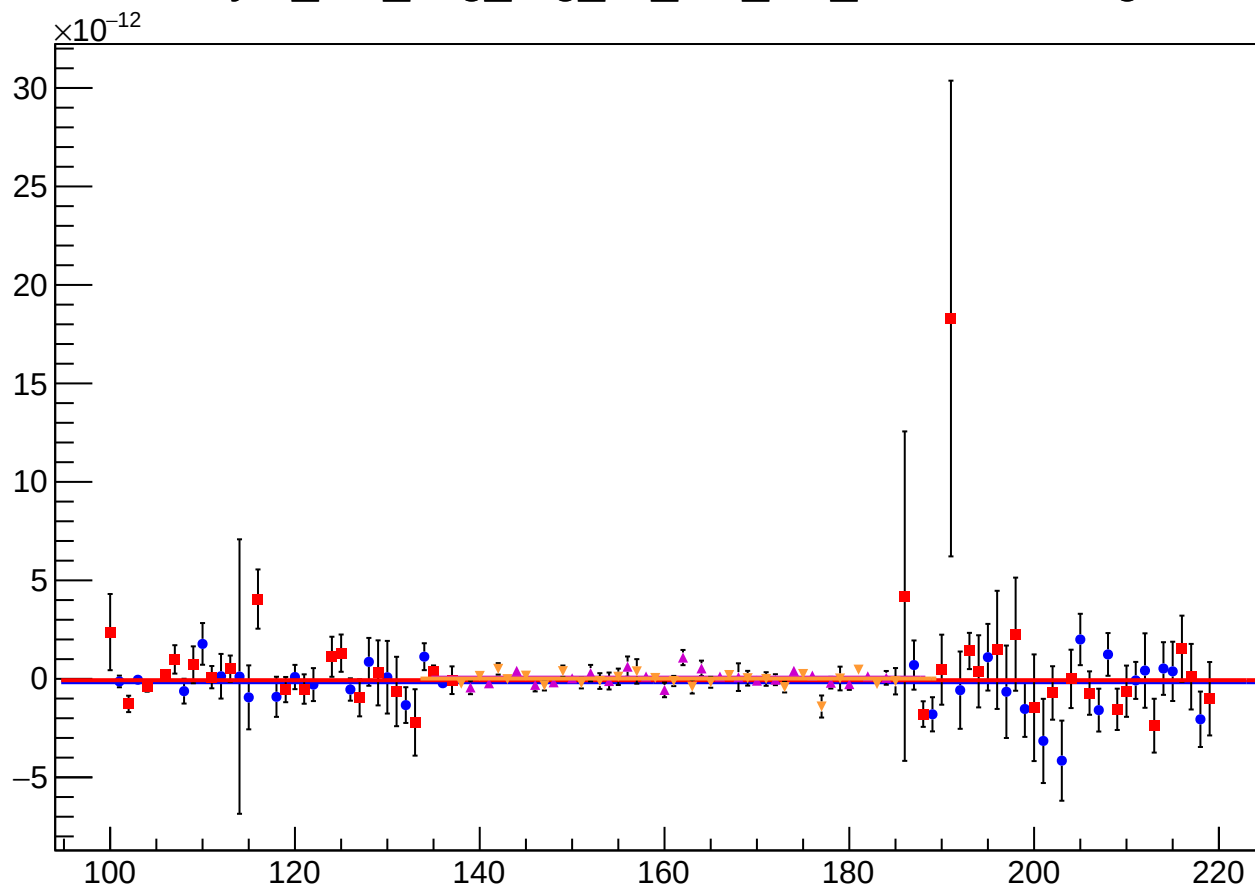
Left In: 9200.796+/-1.548 χ^2/NDF : 1129421.3/22

+ sign 8929.007+/-1.038 χ^2/NDF : 4504392.9/56

All: 9022.581+/-0.742 χ^2/NDF : 8992380.4/11

- sign 9119.970+/-1.059 χ^2/NDF : 4471413.7/59

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 31.5/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 53.4/36

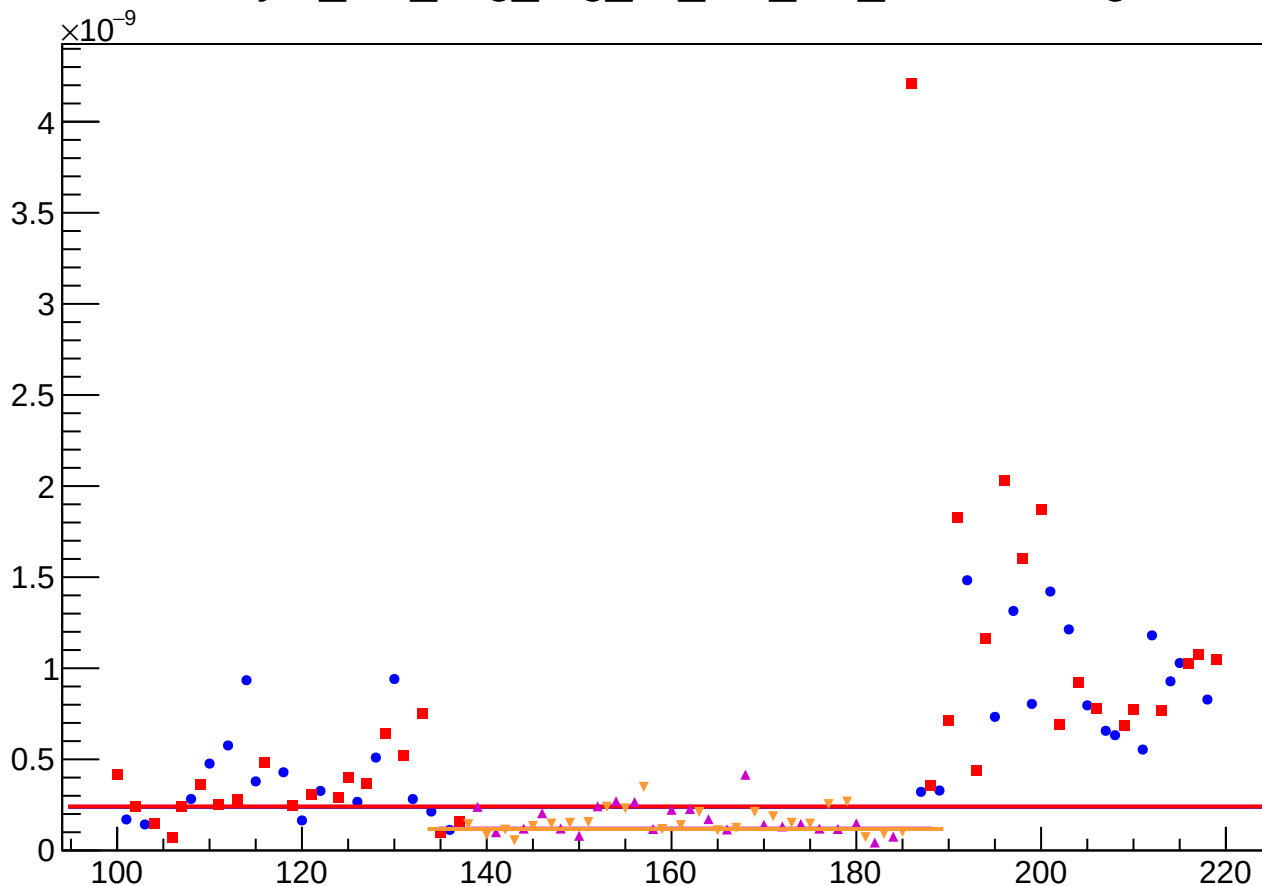
Left In: 0.000 ± 0.000 χ^2/NDF : 27.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 62.6/56

All: 0.000 ± 0.000 χ^2/NDF : 145.6/116

- sign 0.000 ± 0.000 χ^2/NDF : 82.3/59

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7945017.8/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8835773.0/36

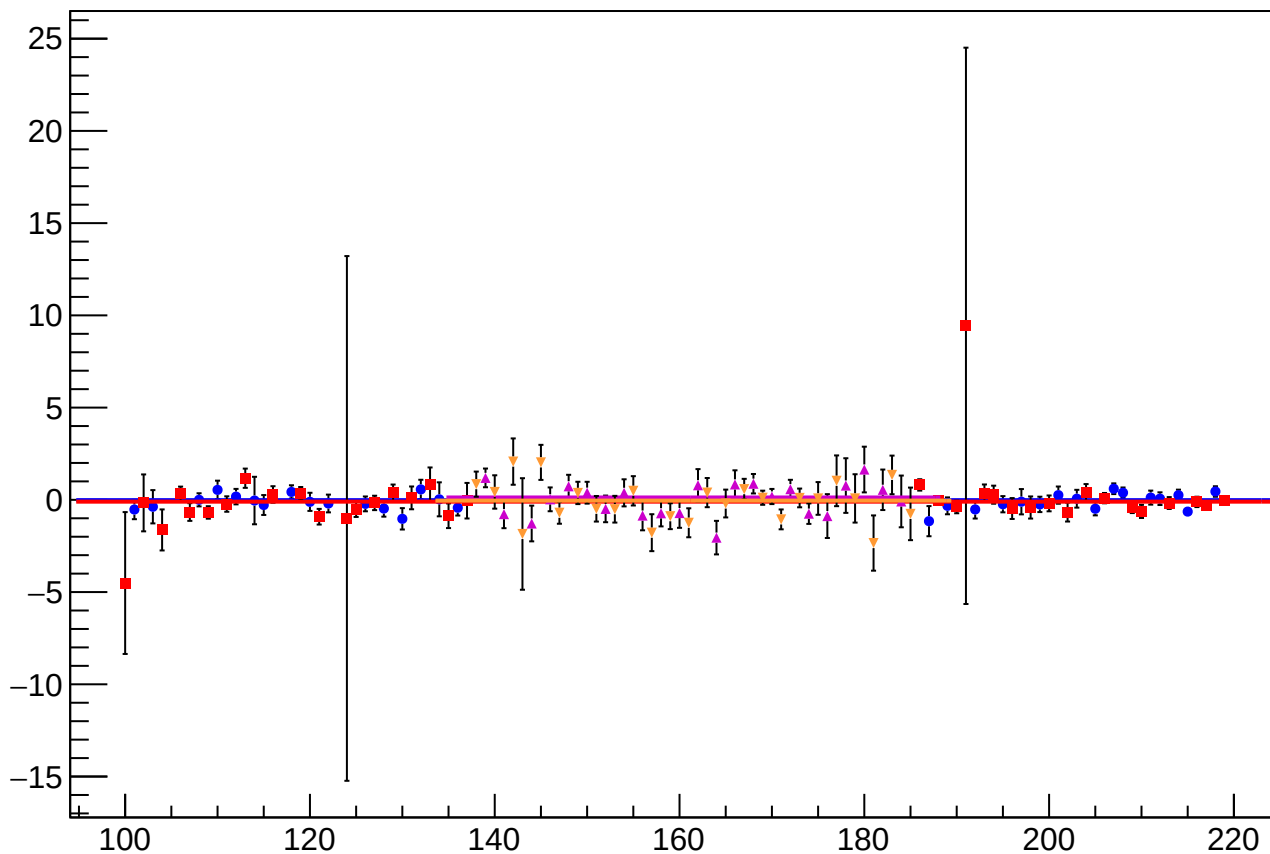
Left In: 0.000+/-0.000 χ^2/NDF : 2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 12239349.8/56

All: 0.000+/-0.000 χ^2/NDF : 25583596.0/116

- sign 0.000+/-0.000 χ^2/NDF : 13338675.7/59

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.074 χ^2/NDF : 32.6/31

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.099 ± 0.065 χ^2/NDF : 44.2/36

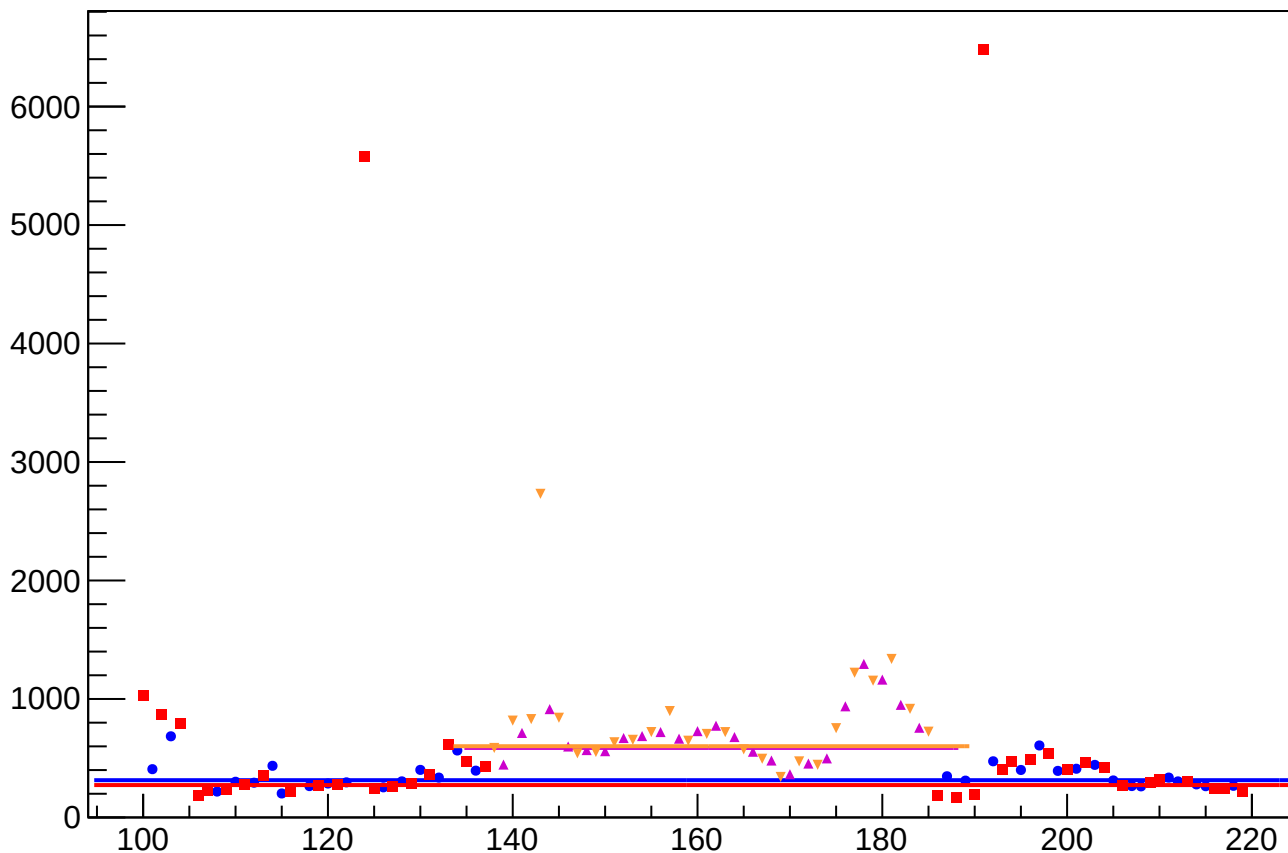
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.021 ± 0.066 χ^2/NDF : 62.7/56

All: -0.043 ± 0.044 χ^2/NDF : 138.2/116

- sign -0.061 ± 0.059 χ^2/NDF : 75.3/59

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 314.500 ± 0.052 χ^2/NDF : 2259835.2/31

Left Out: 601.214 ± 0.104 χ^2/NDF : 4460456.7/24

Right Out: 273.354 ± 0.046 χ^2/NDF : 5195704.5/36

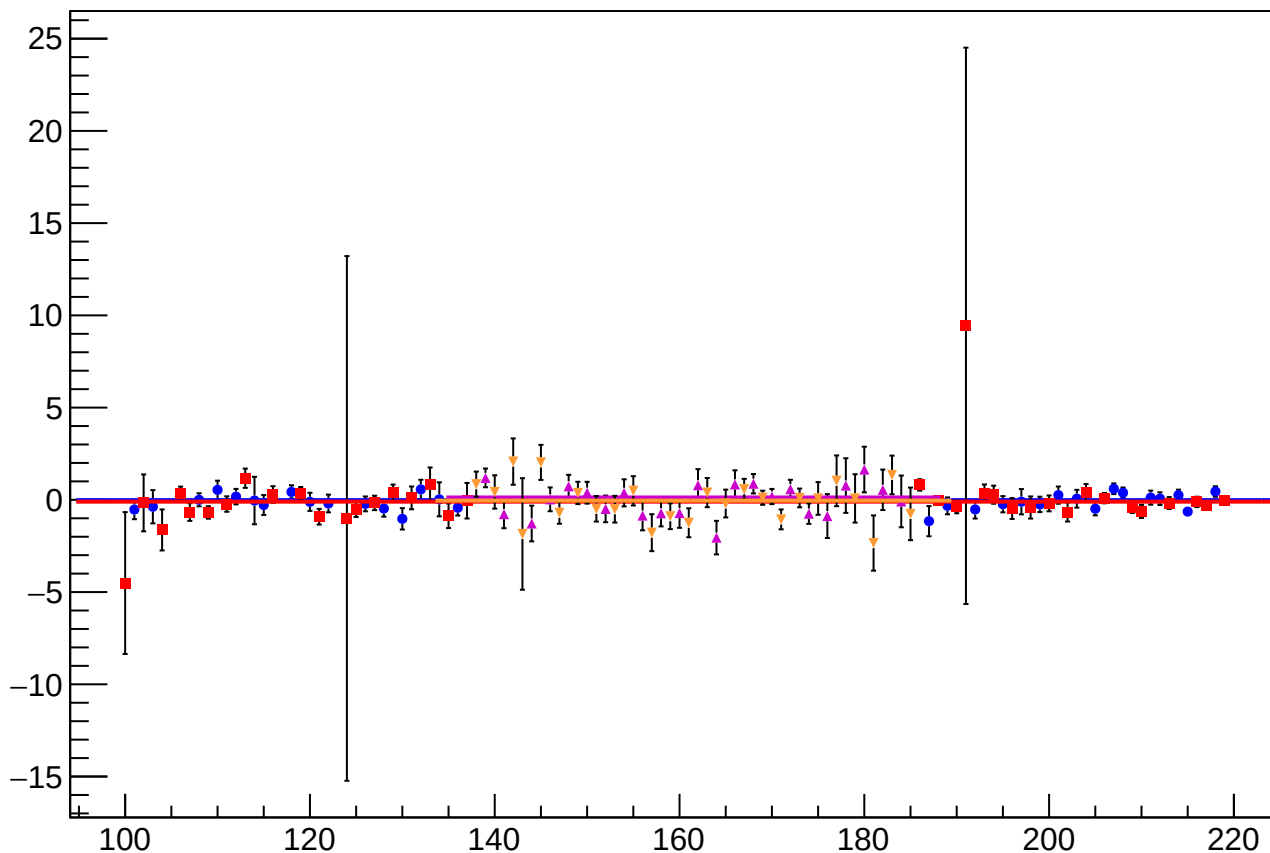
Left In: 586.817 ± 0.103 χ^2/NDF : 2934488.2/22

+ sign 371.794 ± 0.047 χ^2/NDF : 12765756.2/56

All: 346.495 ± 0.031 χ^2/NDF : 29187652.9/11

- sign 325.926 ± 0.042 χ^2/NDF : 15888207.1/59

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.074 χ^2/NDF : 32.6/31

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.099 ± 0.065 χ^2/NDF : 44.2/36

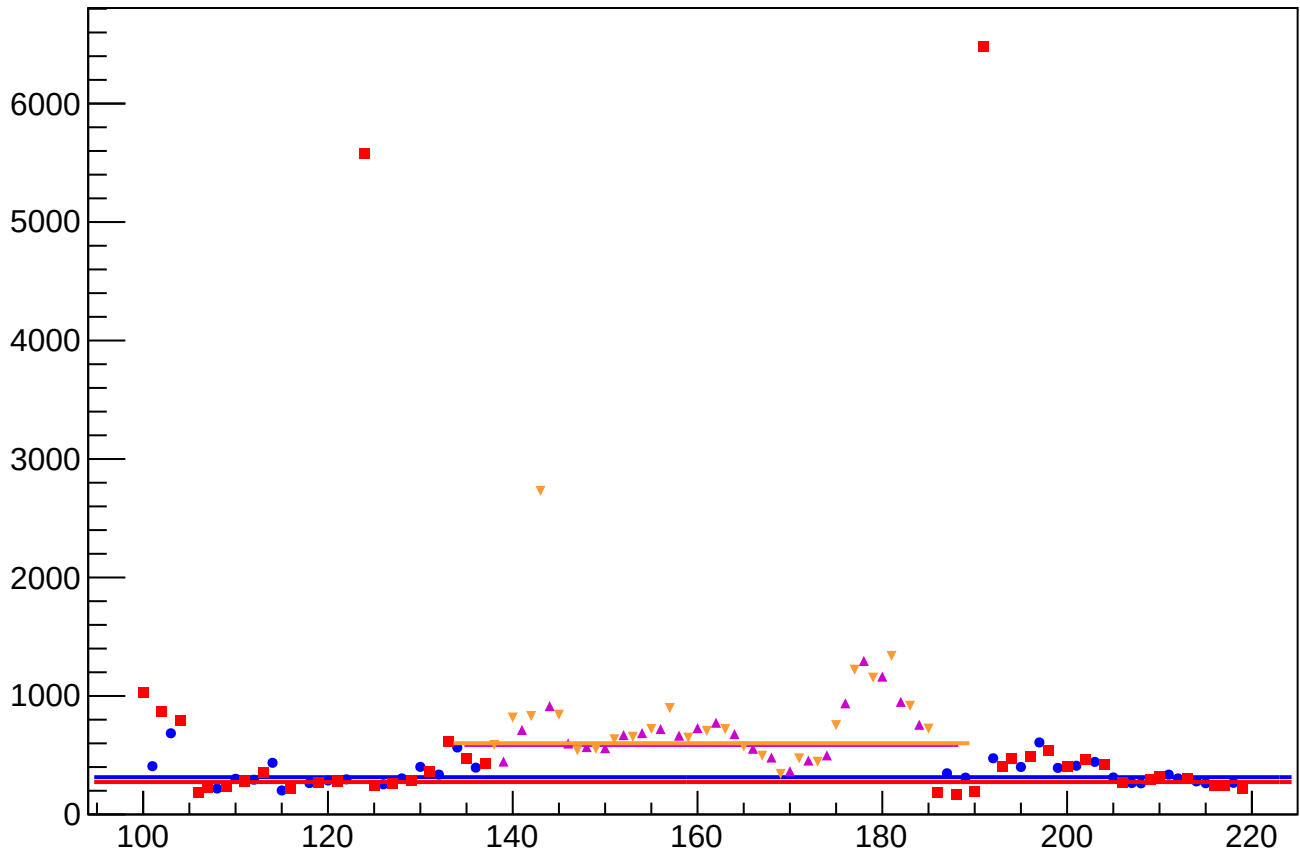
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.021 ± 0.066 χ^2/NDF : 62.7/56

All: -0.043 ± 0.044 χ^2/NDF : 138.2/116

- sign -0.061 ± 0.059 χ^2/NDF : 75.3/59

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 314.500 $\pm$ 0.052 χ^2 /NDF: 2259835.2/31

Left Out: 601.214 $\pm$ 0.104 χ^2 /NDF: 4460456.7/24

Right Out: 273.354 $\pm$ 0.046 χ^2 /NDF: 5195704.5/36

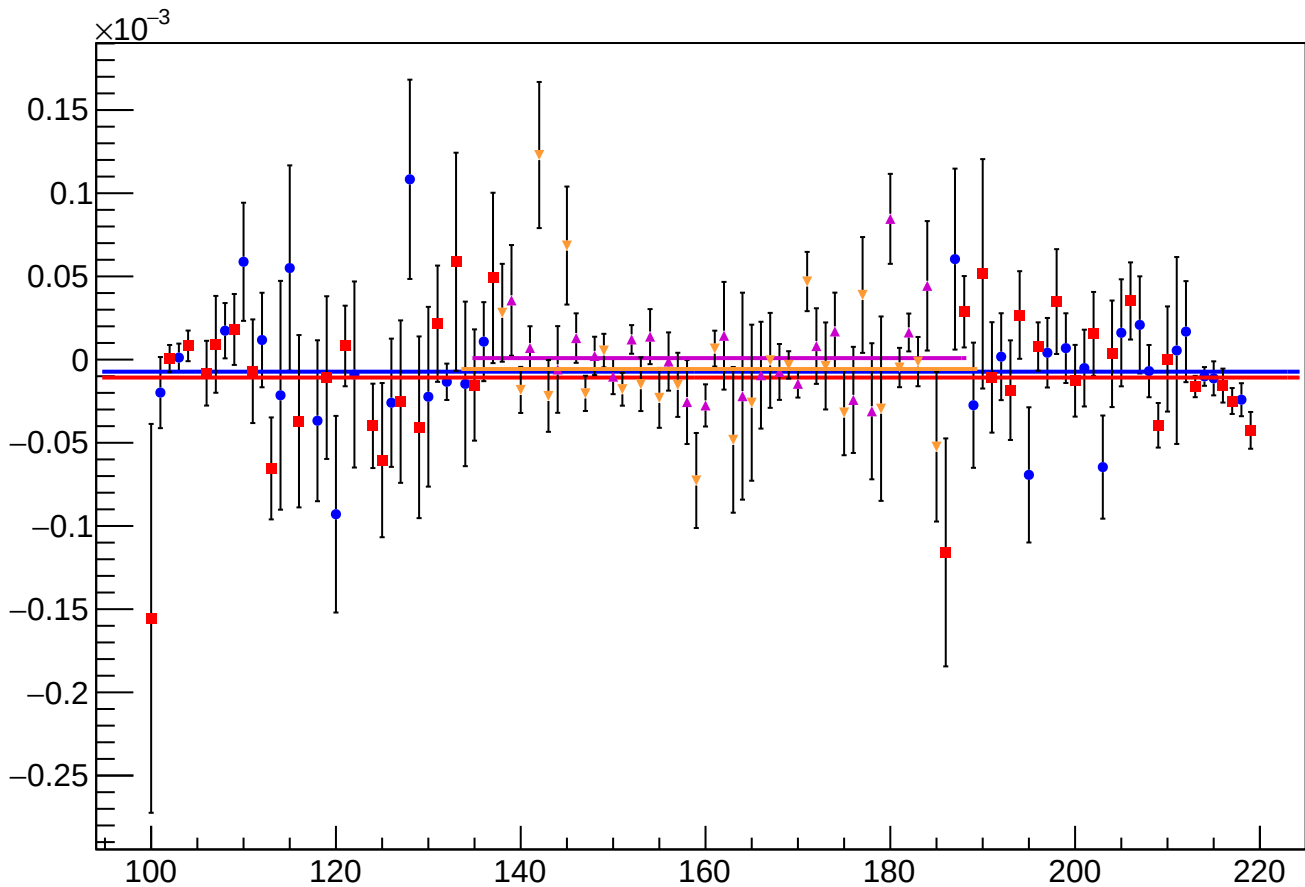
Left In: 586.817 $\pm$ 0.103 χ^2 /NDF: 2934488.2/22

+ sign 371.794 $\pm$ 0.047 χ^2 /NDF: 12765756.2/56

All: 346.495 $\pm$ 0.031 χ^2 /NDF: 29187652.9/11

- sign 325.926 $\pm$ 0.042 χ^2 /NDF: 15888207.1/59

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.9/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 42.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 55.2/36

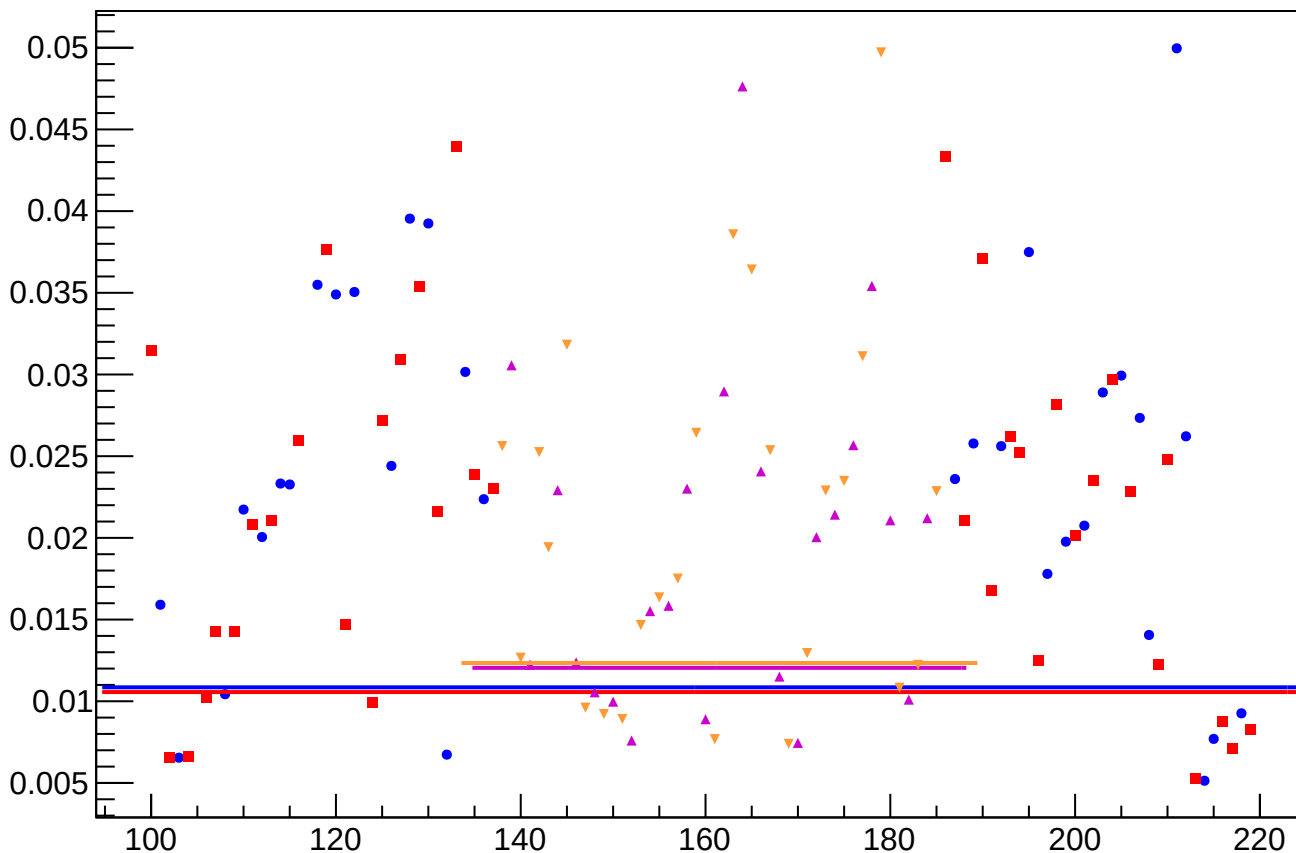
Left In: 0.000 ± 0.000 χ^2/NDF : 30.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 72.6/56

All: -0.000 ± 0.000 χ^2/NDF : 165.3/116

- sign -0.000 ± 0.000 χ^2/NDF : 92.7/59

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 13487078.9/31

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 7839123.8/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 12150977.8/36

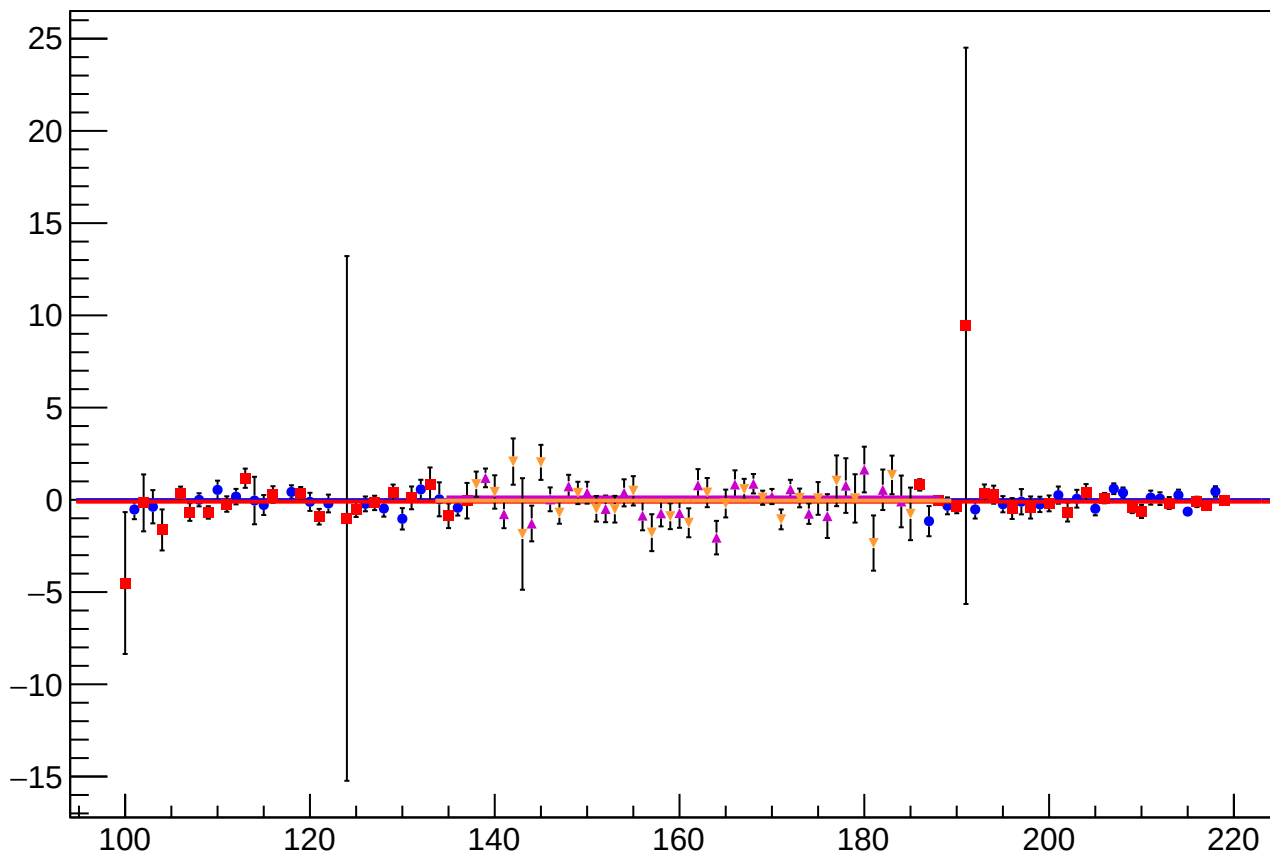
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 6379401.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 21546475.7/56

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 40340491.8/116

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 18765756.8/59

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.074 χ^2/NDF : 32.6/31

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.099 ± 0.065 χ^2/NDF : 44.2/36

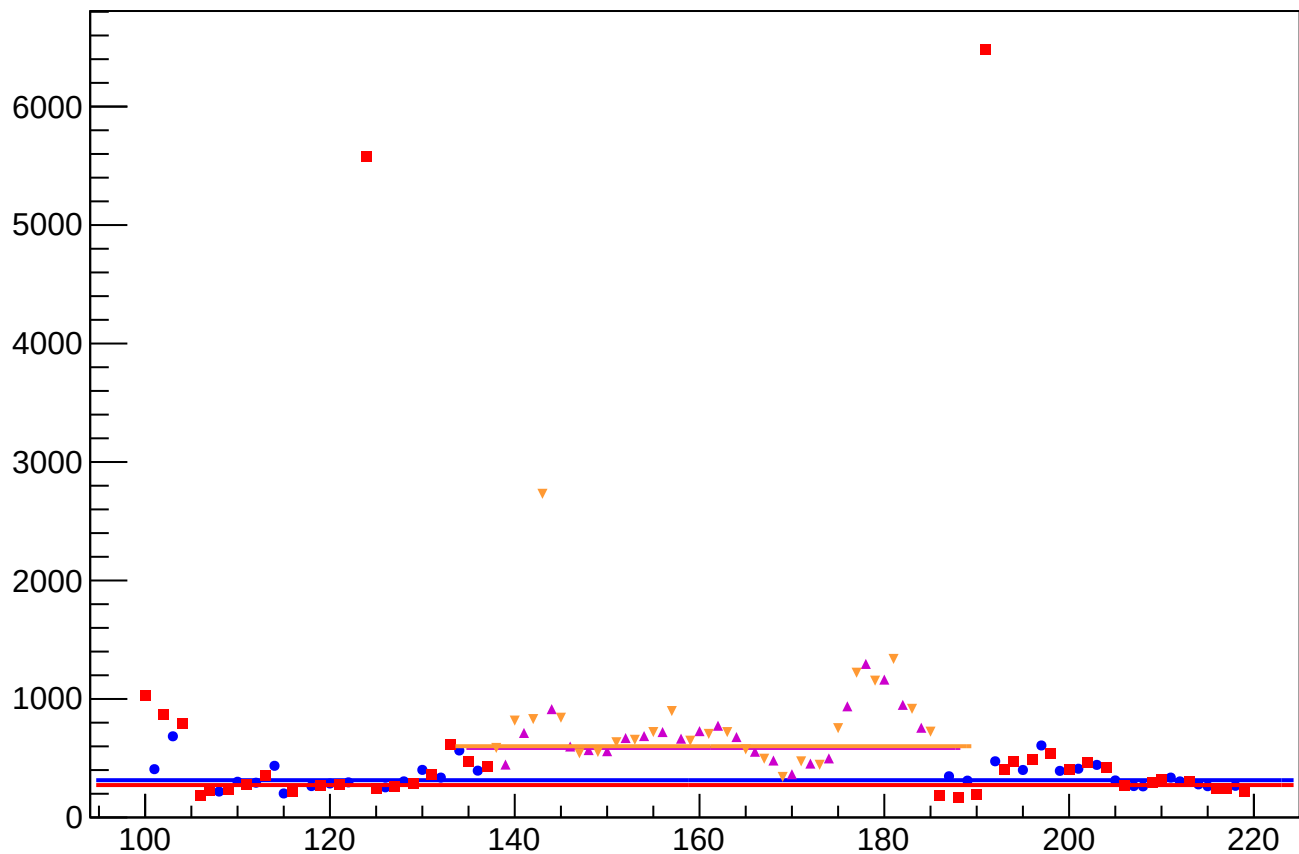
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.021 ± 0.066 χ^2/NDF : 62.7/56

All: -0.043 ± 0.044 χ^2/NDF : 138.2/116

- sign -0.061 ± 0.059 χ^2/NDF : 75.3/59

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 314.499 ± 0.052 χ^2/NDF : 2259825.5/31

Left Out: 601.214 ± 0.104 χ^2/NDF : 4460662.1/24

Right Out: 273.350 ± 0.046 χ^2/NDF : 5195957.7/36

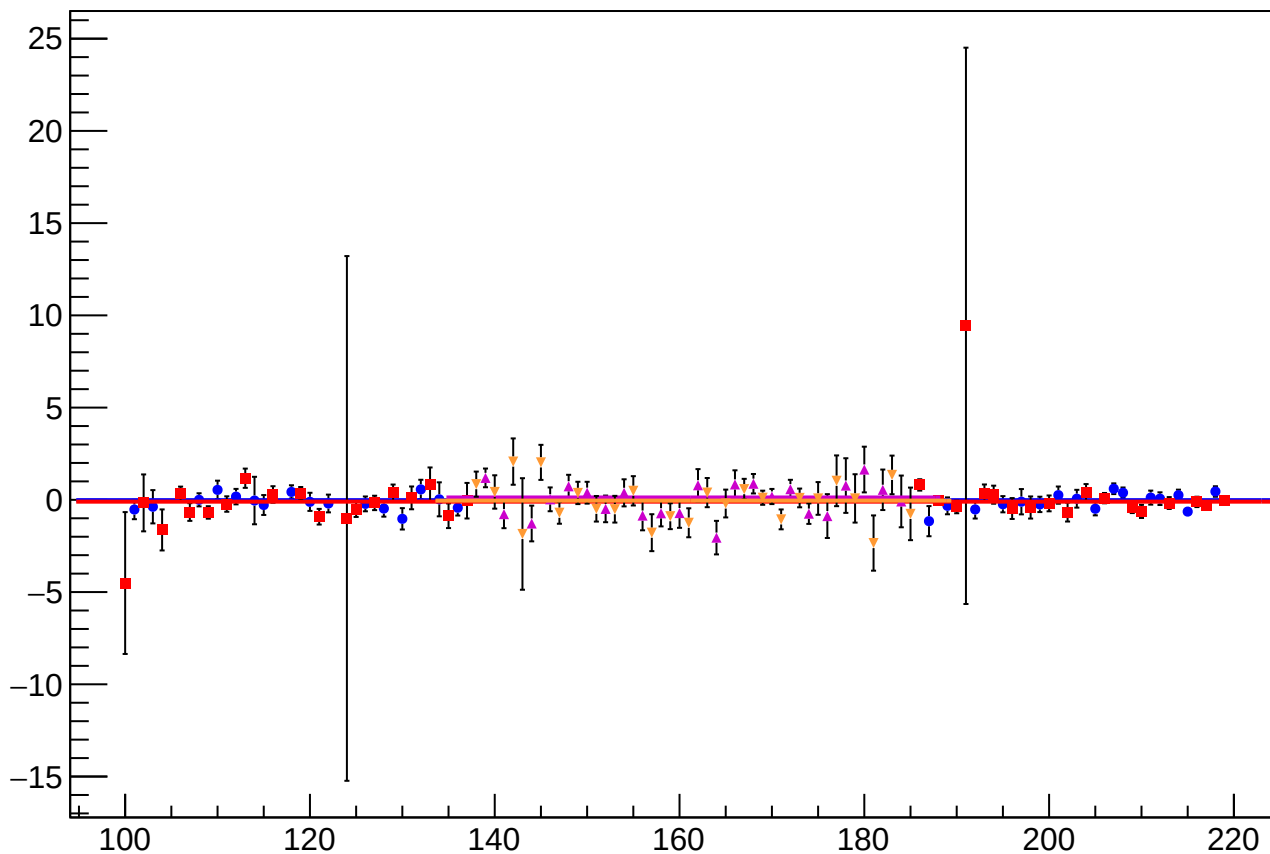
Left In: 586.820 ± 0.103 χ^2/NDF : 2934613.3/22

+ sign 371.793 ± 0.047 χ^2/NDF : 12765960.4/56

All: 346.493 ± 0.031 χ^2/NDF : 29188598.2/11

- sign 325.921 ± 0.042 χ^2/NDF : 15888863.6/59

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.074 χ^2/NDF : 32.6/31

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.099 ± 0.065 χ^2/NDF : 44.2/36

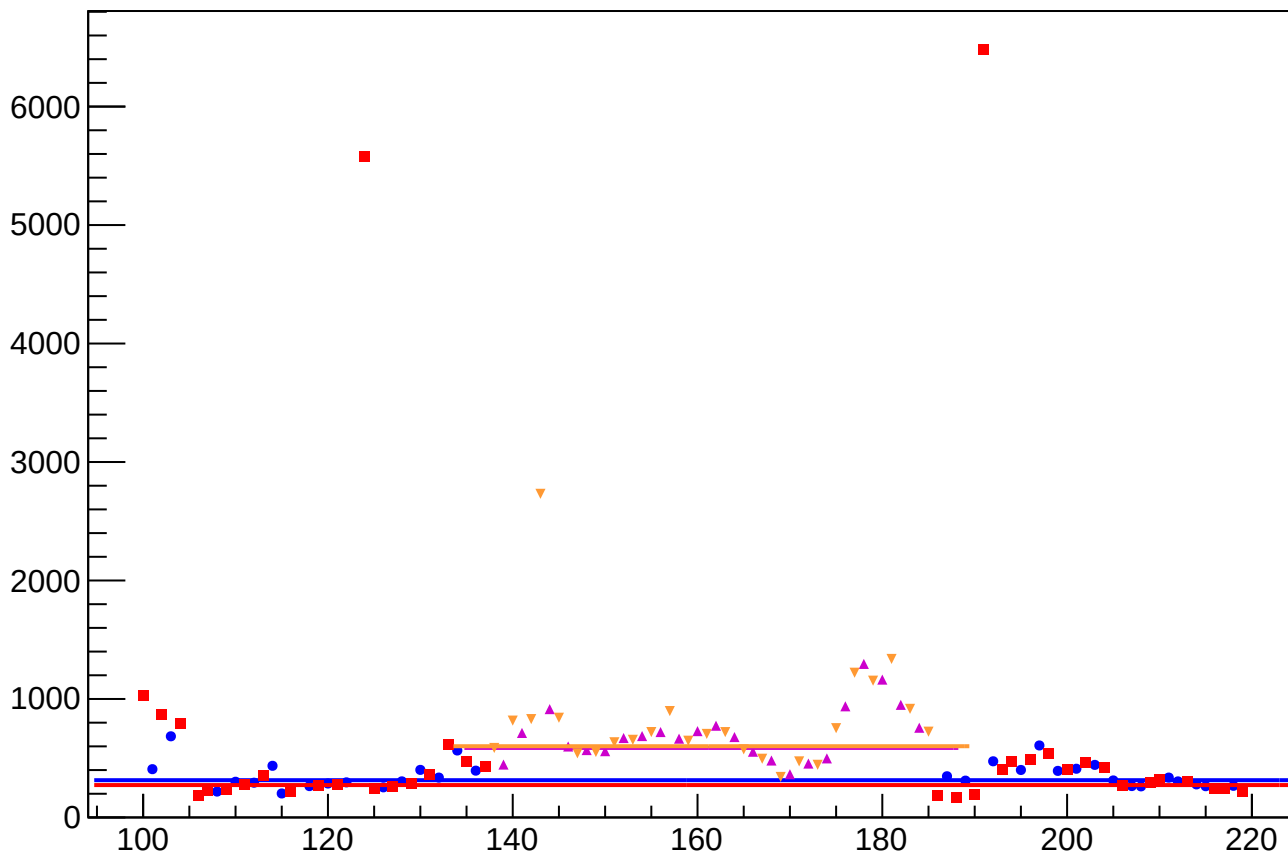
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.021 ± 0.066 χ^2/NDF : 62.7/56

All: -0.043 ± 0.044 χ^2/NDF : 138.2/116

- sign -0.061 ± 0.059 χ^2/NDF : 75.3/59

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 314.499+/-0.052 χ^2/NDF : 2259825.5/31

Left Out: 601.214+/-0.104 χ^2/NDF : 4460662.1/24

Right Out: 273.350+/-0.046 χ^2/NDF : 5195957.7/36

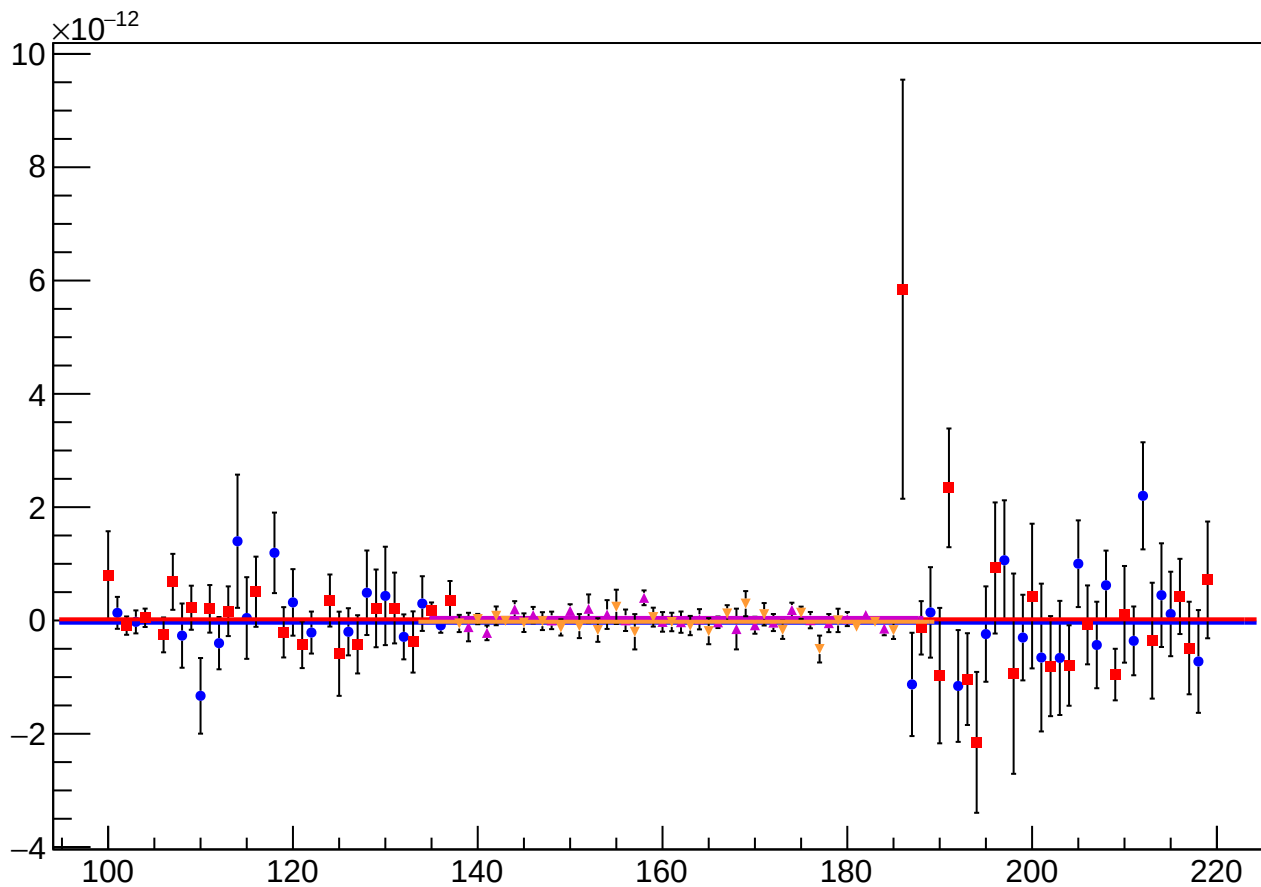
Left In: 586.820+/-0.103 χ^2/NDF : 2934613.3/22

+ sign 371.793+/-0.047 χ^2/NDF : 12765960.4/56

All: 346.493+/-0.031 χ^2/NDF : 29188598.2/11

- sign 325.921+/-0.042 χ^2/NDF : 15888863.6/59

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 26.7/31

Left Out: -0.000+/-0.000 χ^2 /NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 33.9/36

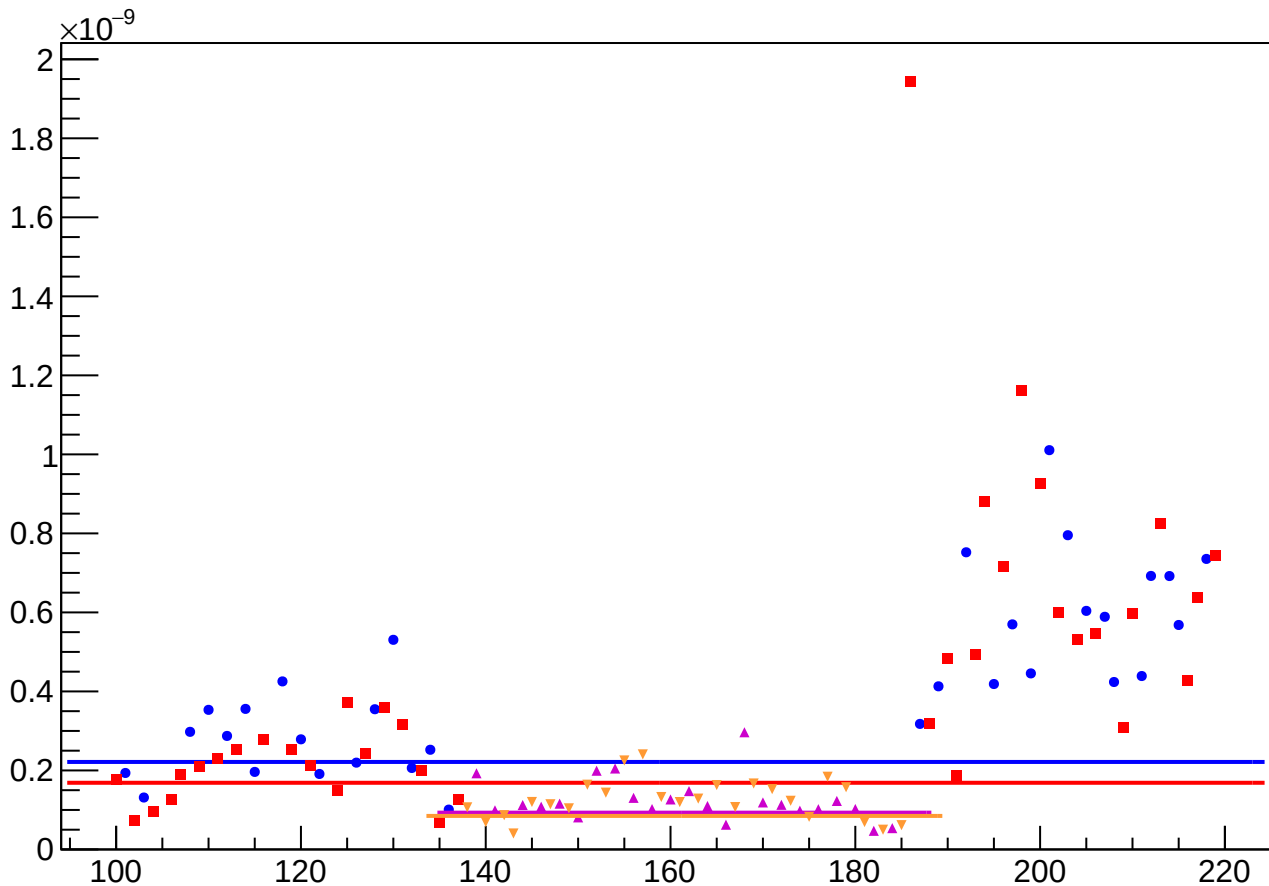
Left In: 0.000+/-0.000 χ^2 /NDF:22.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 43.1/56

All: 0.000+/-0.000 χ^2 /NDF: 102.4/116

- sign 0.000+/-0.000 χ^2 /NDF: 56.0/59

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8972187.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11246082.0/36

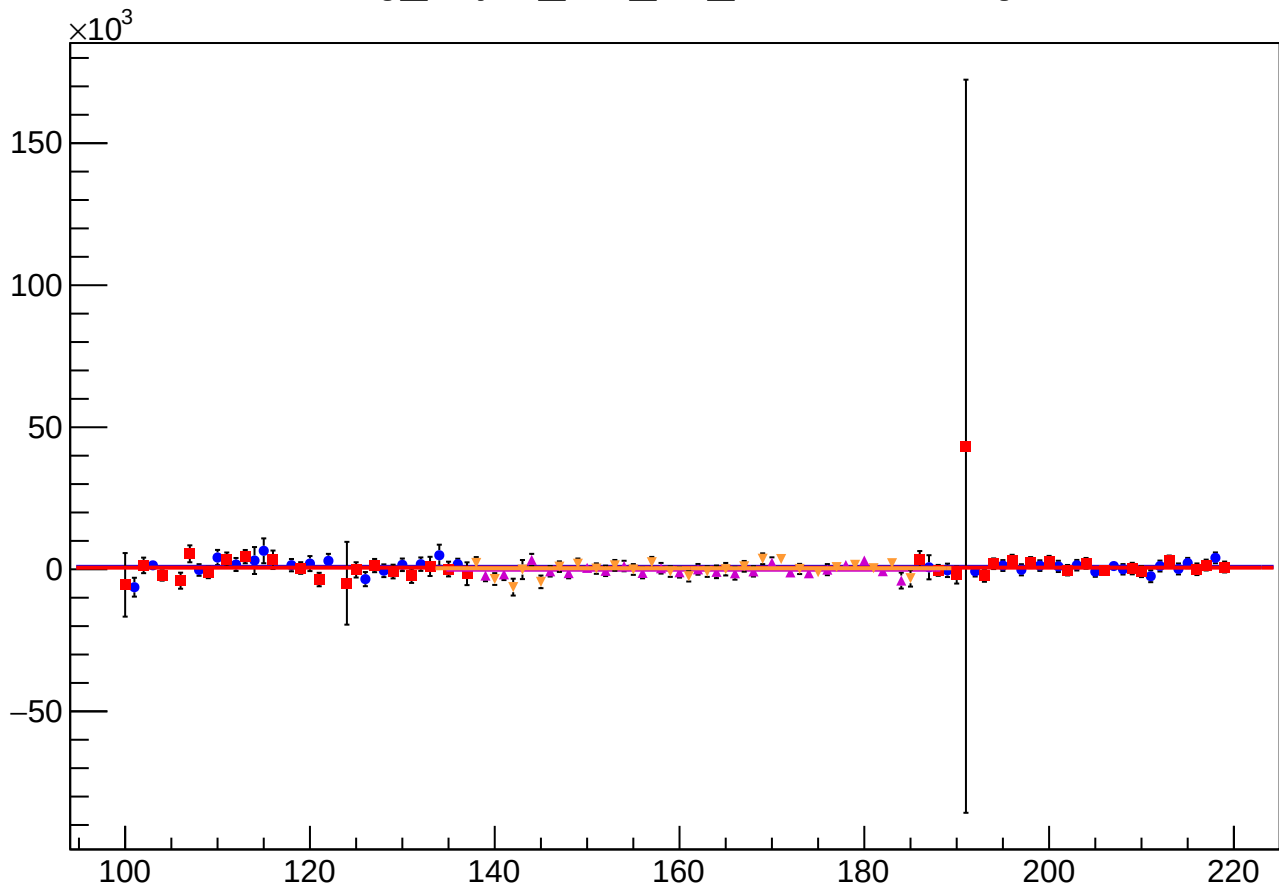
Left In: 0.000+/-0.000 χ^2/NDF : 3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 19848607.0/56

All: 0.000+/-0.000 χ^2/NDF : 37256300.5/116

- sign 0.000+/-0.000 χ^2/NDF : 17343193.8/59

reg_asym_at2_dd_mean vs Slug



Right In: 870.724 $\pm$ 380.188 χ^2 /NDF: 23.3/31

Left Out: 361.645 $\pm$ 388.131 χ^2 /NDF: 29.6/24

Right Out: 583.190 $\pm$ 373.904 χ^2 /NDF: 31.3/36

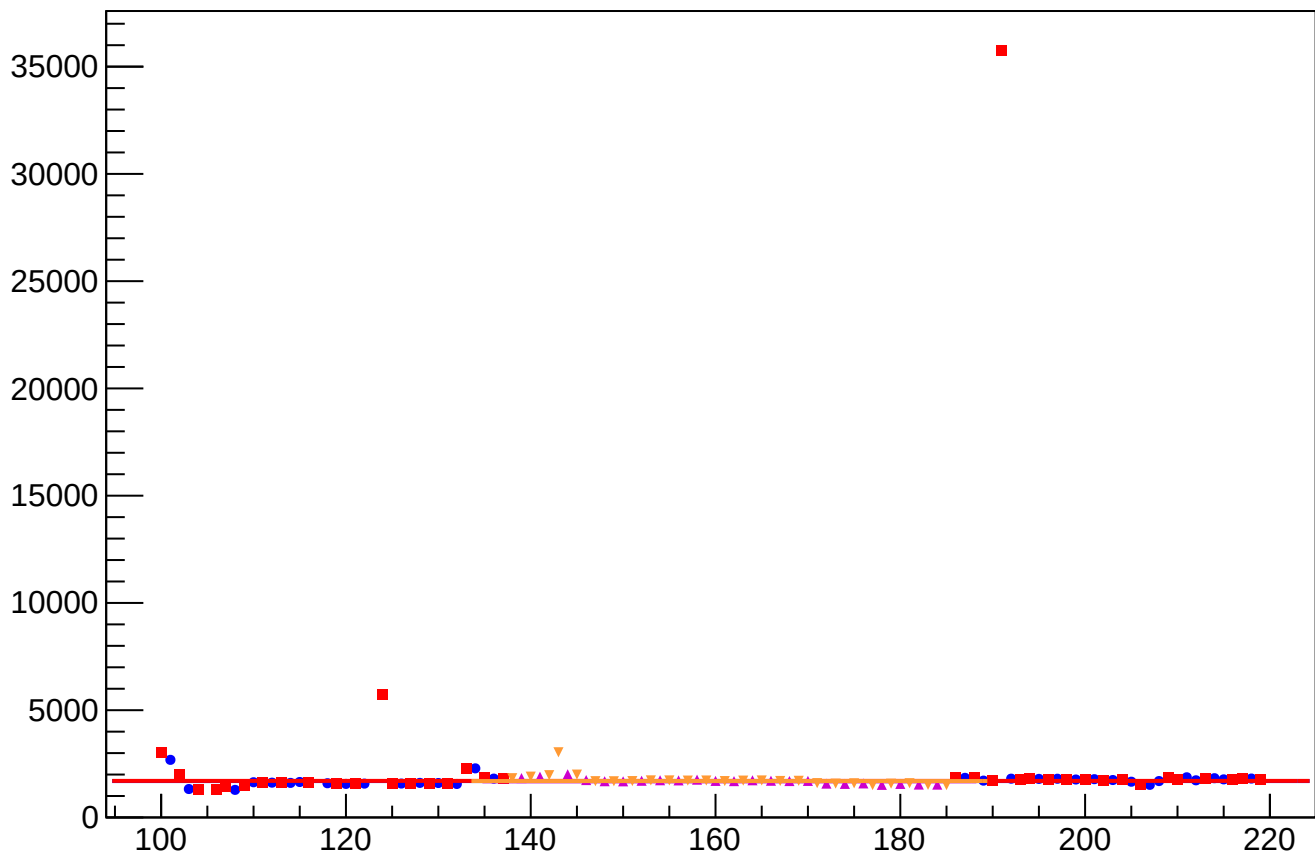
Left In: -157.028 $\pm$ 394.257 χ^2 /NDF: 16.0/22

+ sign 621.447 $\pm$ 271.598 χ^2 /NDF: 53.7/56

All: 426.850 $\pm$ 191.943 χ^2 /NDF: 104.0/116

- sign 232.680 $\pm$ 271.300 χ^2 /NDF: 49.2/59

reg_asym_at2_dd_rms vs Slug



Right In: 1696.375 $\pm$ 0.269 χ^2 /NDF: 531465.9/31

Left Out: 1697.496 $\pm$ 0.274 χ^2 /NDF: 495397.9/24

Right Out: 1704.462 $\pm$ 0.264 χ^2 /NDF: 734008.5/36

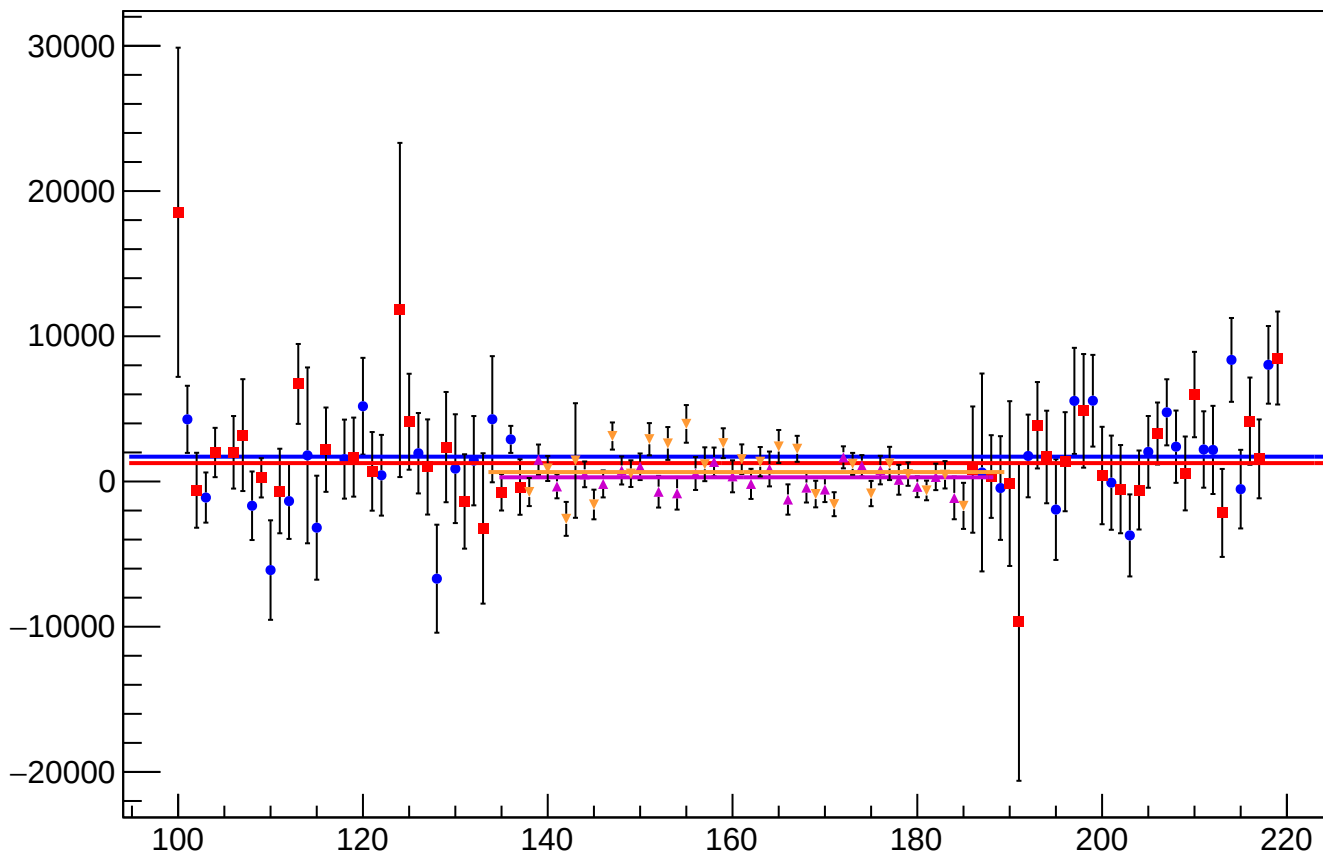
Left In: 1684.577 $\pm$ 0.279 χ^2 /NDF: 165355.7/22

+ sign 1696.924 $\pm$ 0.192 χ^2 /NDF: 1026872.3/56

All: 1695.984 $\pm$ 0.136 χ^2 /NDF: 1928963.0/11

- sign 1695.046 $\pm$ 0.192 χ^2 /NDF: 902042.8/59

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1709.073 $\pm$ 453.963 χ^2 /NDF: 44.5/31

Left Out: 649.165 $\pm$ 195.671 χ^2 /NDF: 65.5/24

Right Out: 1266.534 $\pm$ 444.047 χ^2 /NDF: 29.4/36

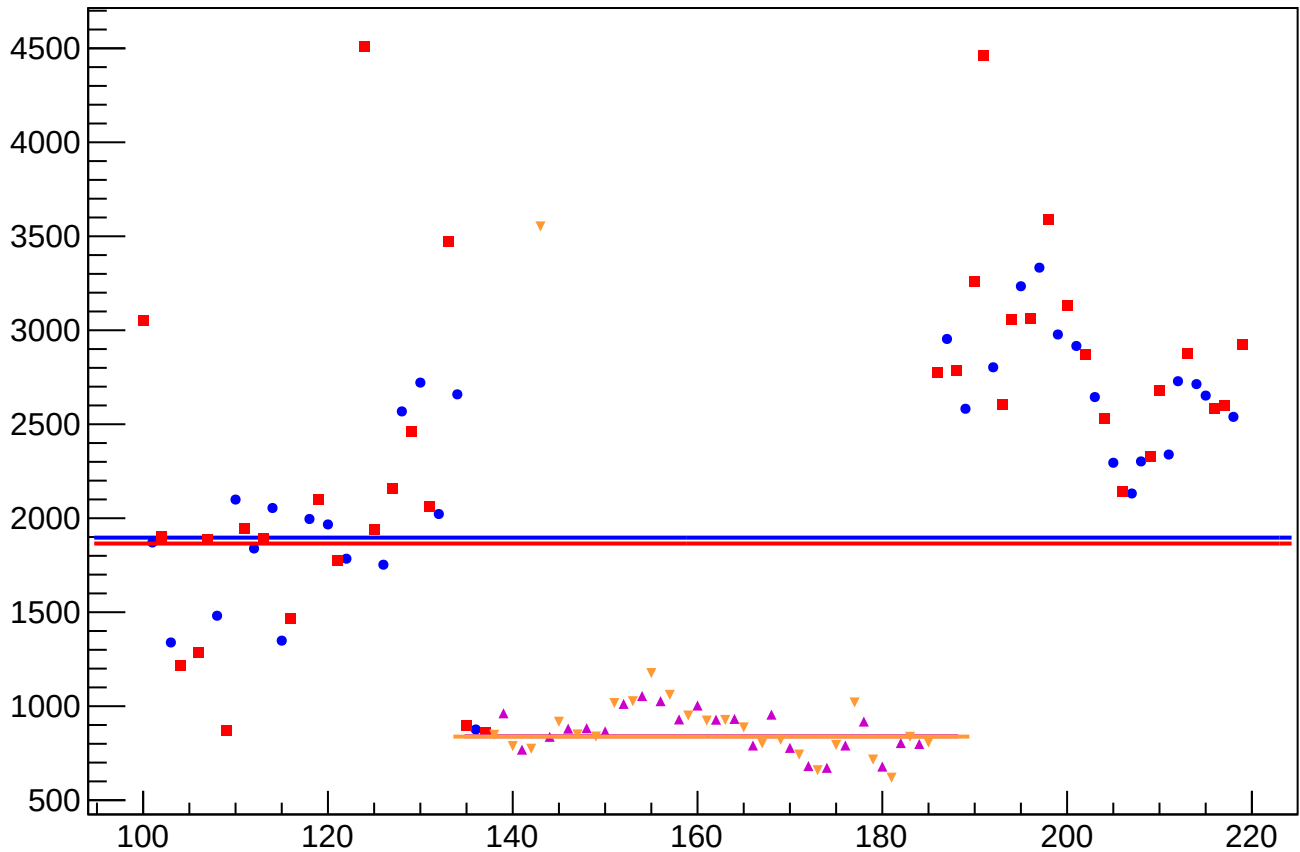
Left In: 288.616 $\pm$ 198.494 χ^2 /NDF: 16.6/22

+ sign 815.228 $\pm$ 179.689 χ^2 /NDF: 114.6/56

All: 634.889 $\pm$ 127.595 χ^2 /NDF: 166.6/116

- sign 451.479 $\pm$ 181.213 χ^2 /NDF: 50.0/59

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1896.811 ± 0.321 $\chi^2/\text{NDF}: 5240993.1/31$

Left Out: 838.243 ± 0.138 $\chi^2/\text{NDF}: 1800245.5/24$

+ sign 1004.096 ± 0.127 $\chi^2/\text{NDF}: 16212339.9/56$

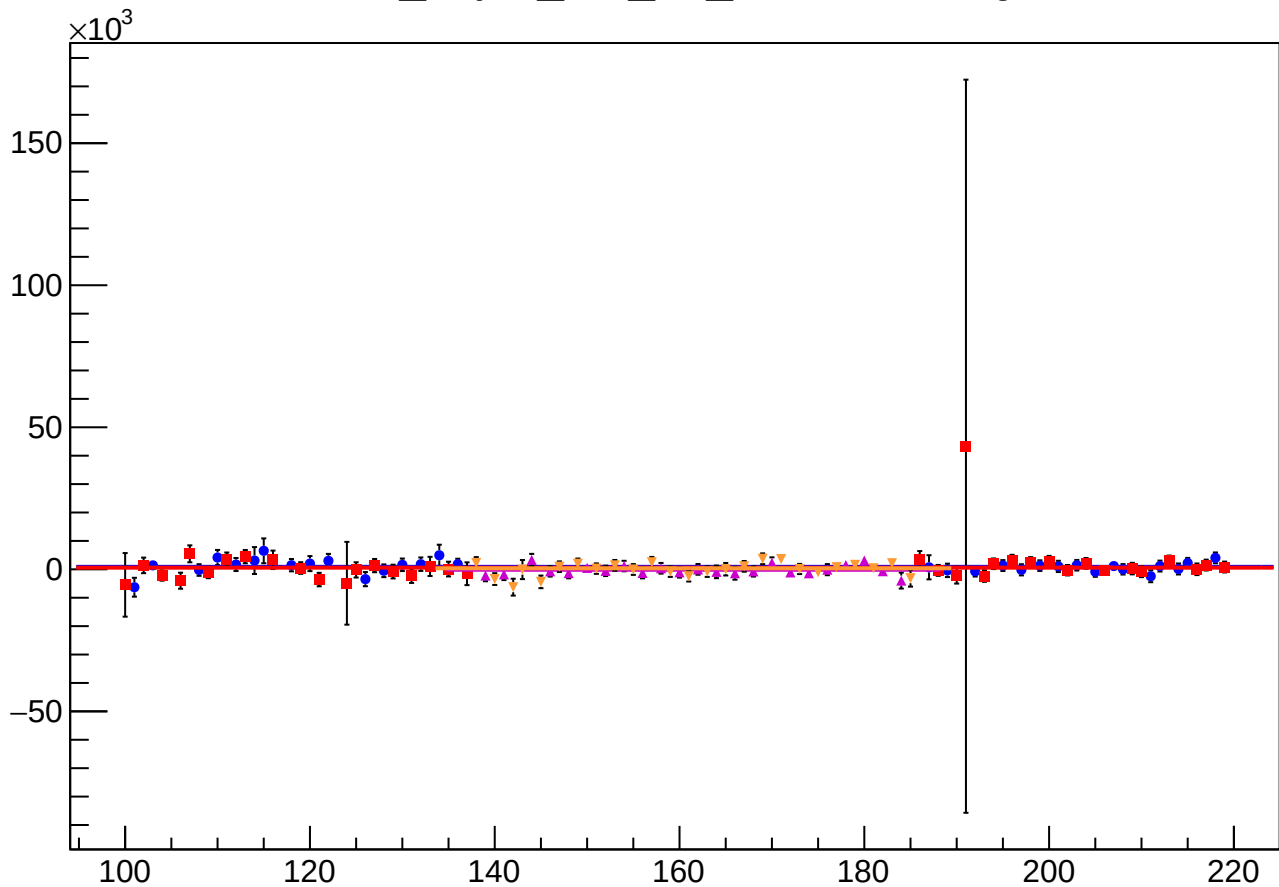
Right Out: 1865.351 ± 0.314 $\chi^2/\text{NDF}: 6818652.9/36$

All: 1007.391 ± 0.090 $\chi^2/\text{NDF}: 32590041.7/100$

Left In: 839.976 ± 0.140 $\chi^2/\text{NDF}: 669341.7/22$

- sign 1010.743 ± 0.128 $\chi^2/\text{NDF}: 16376344.9/59$

cor_asym_at2_dd_mean vs Slug



Right In: 870.766 $\pm$ 380.188 χ^2 /NDF: 23.3/31

Left Out: 361.560 $\pm$ 388.131 χ^2 /NDF: 29.6/24

Right Out: 583.280 $\pm$ 373.904 χ^2 /NDF: 31.3/36

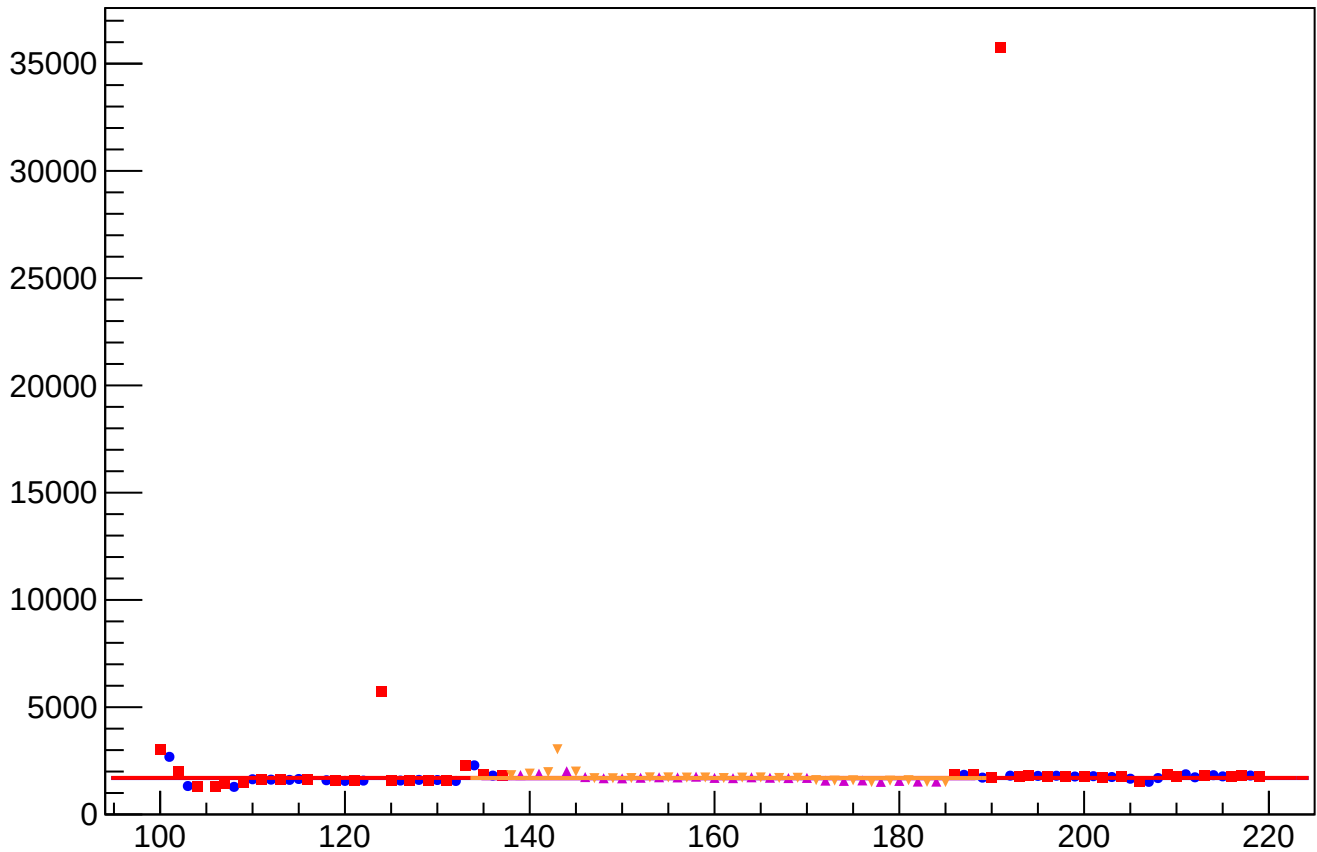
Left In: -156.934 $\pm$ 394.258 χ^2 /NDF: 16.0/22

+ sign 621.427 $\pm$ 271.598 χ^2 /NDF: 53.8/56

All: 426.886 $\pm$ 191.943 χ^2 /NDF: 104.0/116

- sign 232.772 $\pm$ 271.300 χ^2 /NDF: 49.2/59

cor_asym_at2_dd_rms vs Slug



Right In: 1696.375+/-0.269 χ^2/NDF : 531466.3/31

Left Out: 1697.496+/-0.274 χ^2/NDF : 495397.9/24

Right Out: 1704.462+/-0.264 χ^2/NDF : 734008.7/36

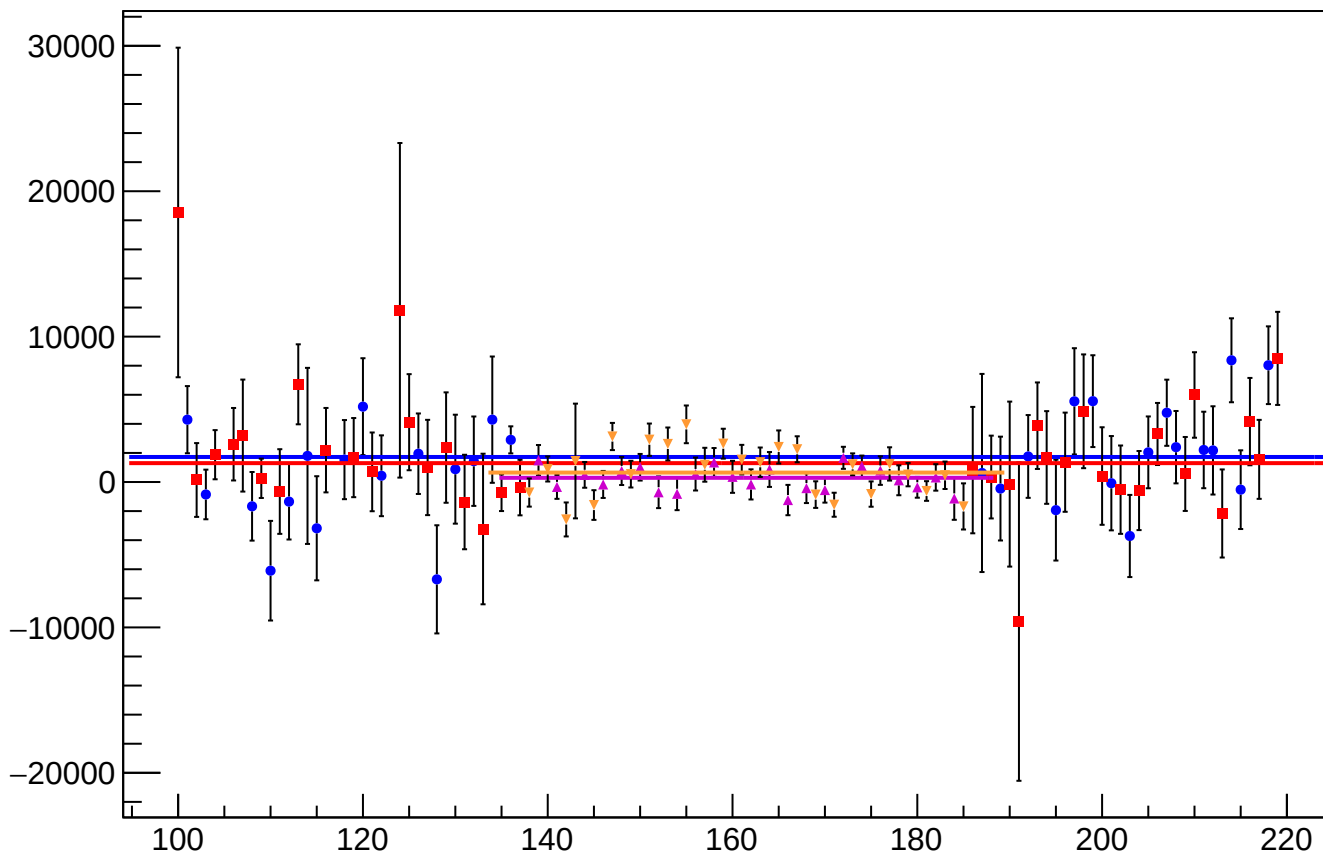
Left In: 1684.577+/-0.279 χ^2/NDF : 165355.7/22

+ sign 1696.924+/-0.192 χ^2/NDF : 1026872.7/56

All: 1695.984+/-0.136 χ^2/NDF : 1928963.5/11

- sign 1695.046+/-0.192 χ^2/NDF : 902043.0/59

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1722.251+/-453.566 χ^2/NDF : 44.1/31

Left Out: 649.165+/-195.673 χ^2/NDF : 65.5/24

Right Out: 1298.704+/-443.658 χ^2/NDF : 29.2/36

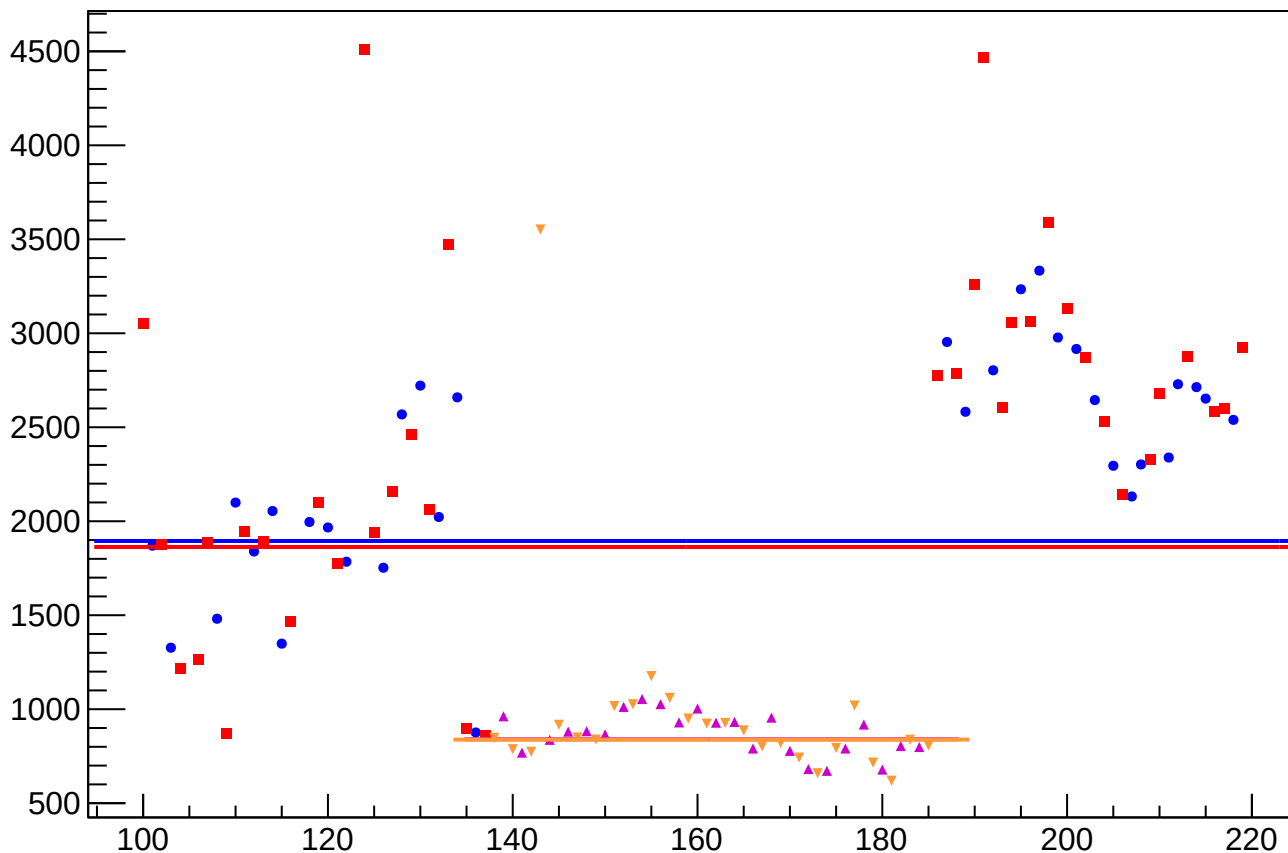
Left In: 288.602+/-198.495 χ^2/NDF : 16.6/22

+ sign 817.544+/-179.667 χ^2/NDF : 114.3/56

All: 638.827+/-127.578 χ^2/NDF : 166.4/116

- sign 457.072+/-181.187 χ^2/NDF : 50.1/59

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1894.993 $\pm$ 0.321 χ^2 /NDF: 5255189.3/31

Left Out: 838.254 $\pm$ 0.138 χ^2 /NDF:1800138.0/24

Right Out: 1863.201 $\pm$ 0.314 χ^2 /NDF: 6831627.9/36

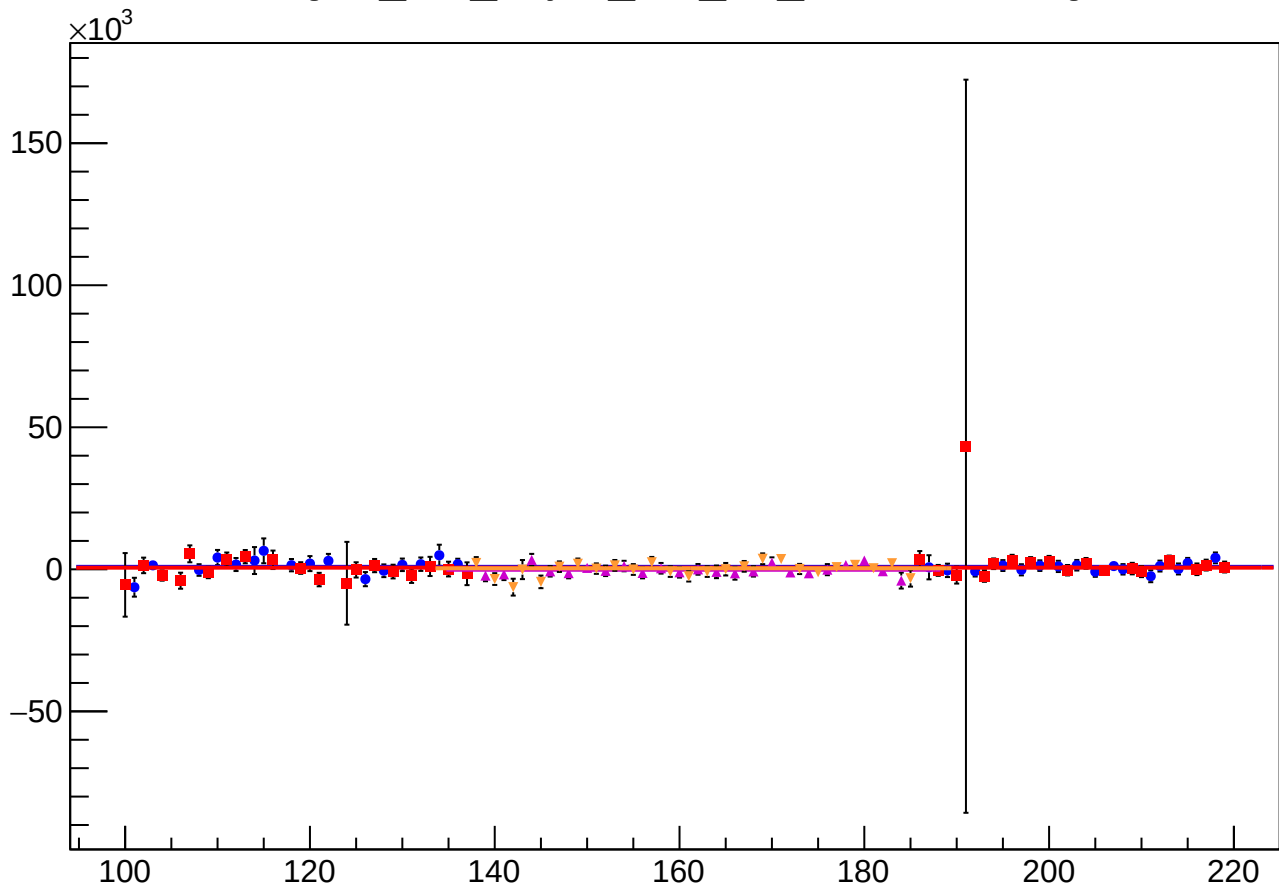
Left In: 839.978 $\pm$ 0.140 χ^2 /NDF:669338.3/22

+ sign 1004.068 $\pm$ 0.127 χ^2 /NDF: 16208188.6/56

All: 1007.325 $\pm$ 0.090 χ^2 /NDF: 32574508.6/1

- sign 1010.637 $\pm$ 0.128 χ^2 /NDF: 16364994.5/59

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 870.766 $\pm$ 380.188 χ^2 /NDF: 23.3/31

Left Out: 361.560 $\pm$ 388.131 χ^2 /NDF:29.6/24

Right Out: 583.280 $\pm$ 373.904 χ^2 /NDF: 31.3/36

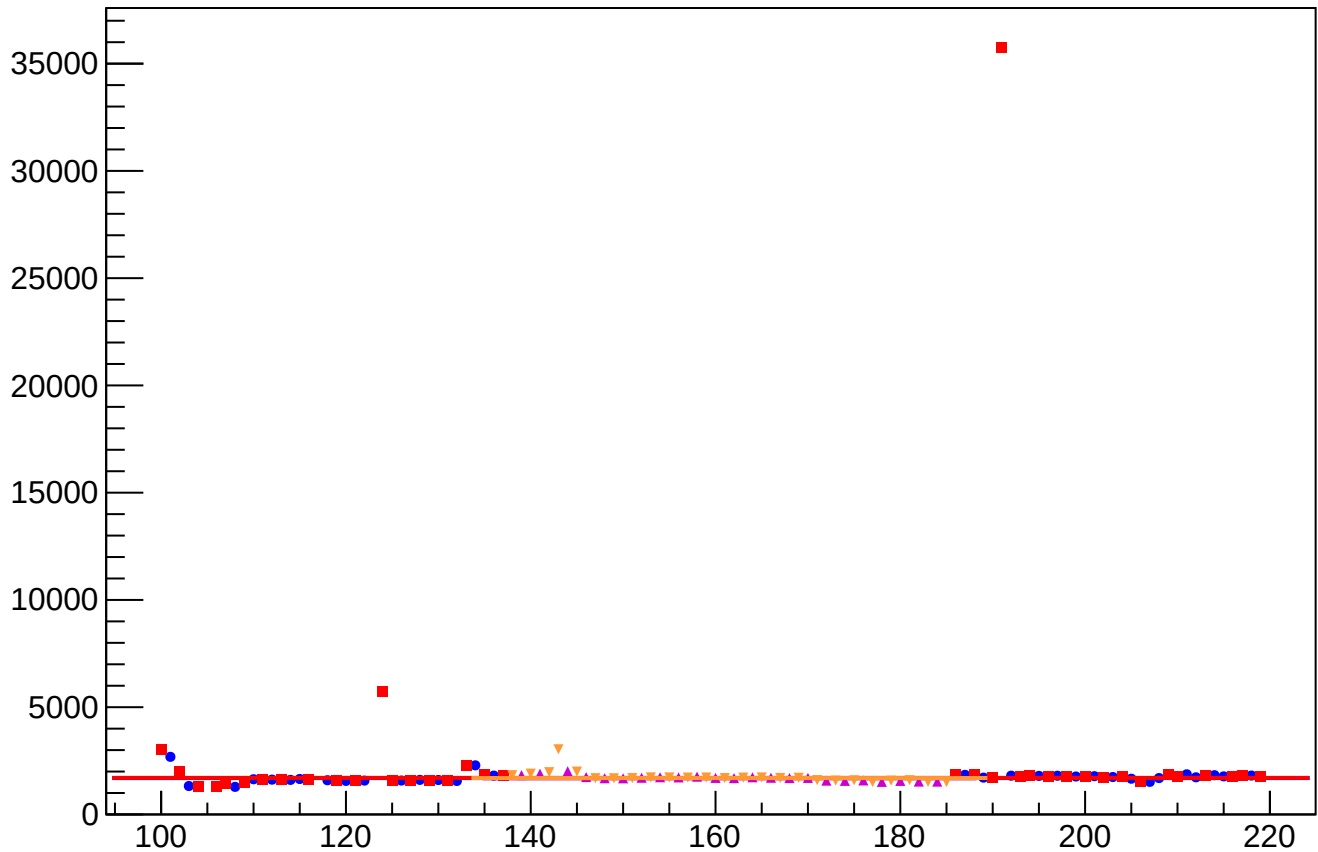
Left In: -156.934 $\pm$ 394.258 χ^2 /NDF:16.0/22

+ sign 621.427 $\pm$ 271.598 χ^2 /NDF: 53.8/56

All: 426.886 $\pm$ 191.943 χ^2 /NDF: 104.0/116

- sign 232.772 $\pm$ 271.300 χ^2 /NDF: 49.2/59

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1696.375+/-0.269 χ^2/NDF : 531466.3/31

Left Out: 1697.496+/-0.274 χ^2/NDF : 495397.9/24

Right Out: 1704.462+/-0.264 χ^2/NDF : 734008.7/36

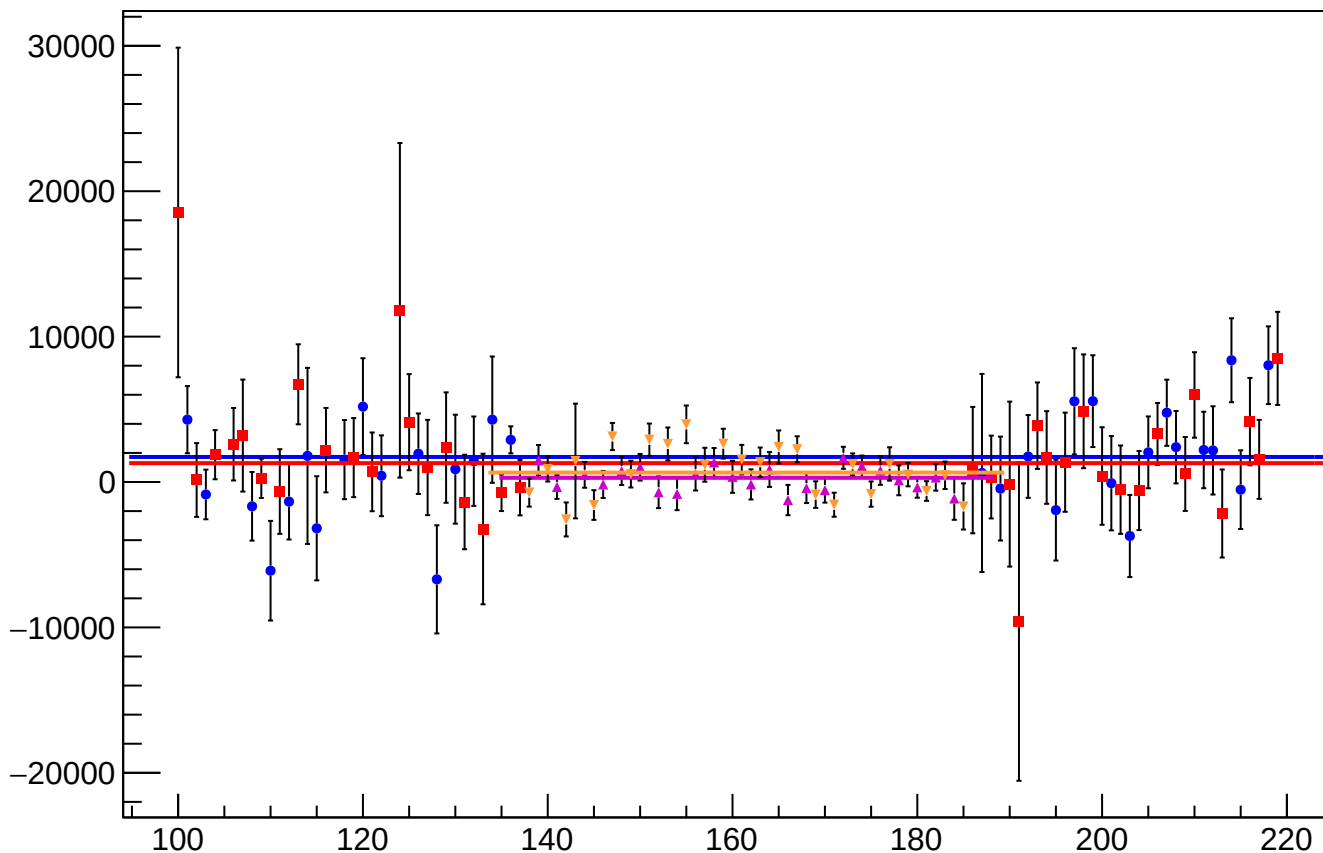
Left In: 1684.577+/-0.279 χ^2/NDF : 165355.7/22

+ sign 1696.924+/-0.192 χ^2/NDF : 1026872.7/56

All: 1695.984+/-0.136 χ^2/NDF : 1928963.5/11

- sign 1695.046+/-0.192 χ^2/NDF : 902043.0/59

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1722.251+/-453.566 χ^2/NDF : 44.1/31

Left Out: 649.165+/-195.673 χ^2/NDF : 65.5/24

Right Out: 1298.704+/-443.658 χ^2/NDF : 29.2/36

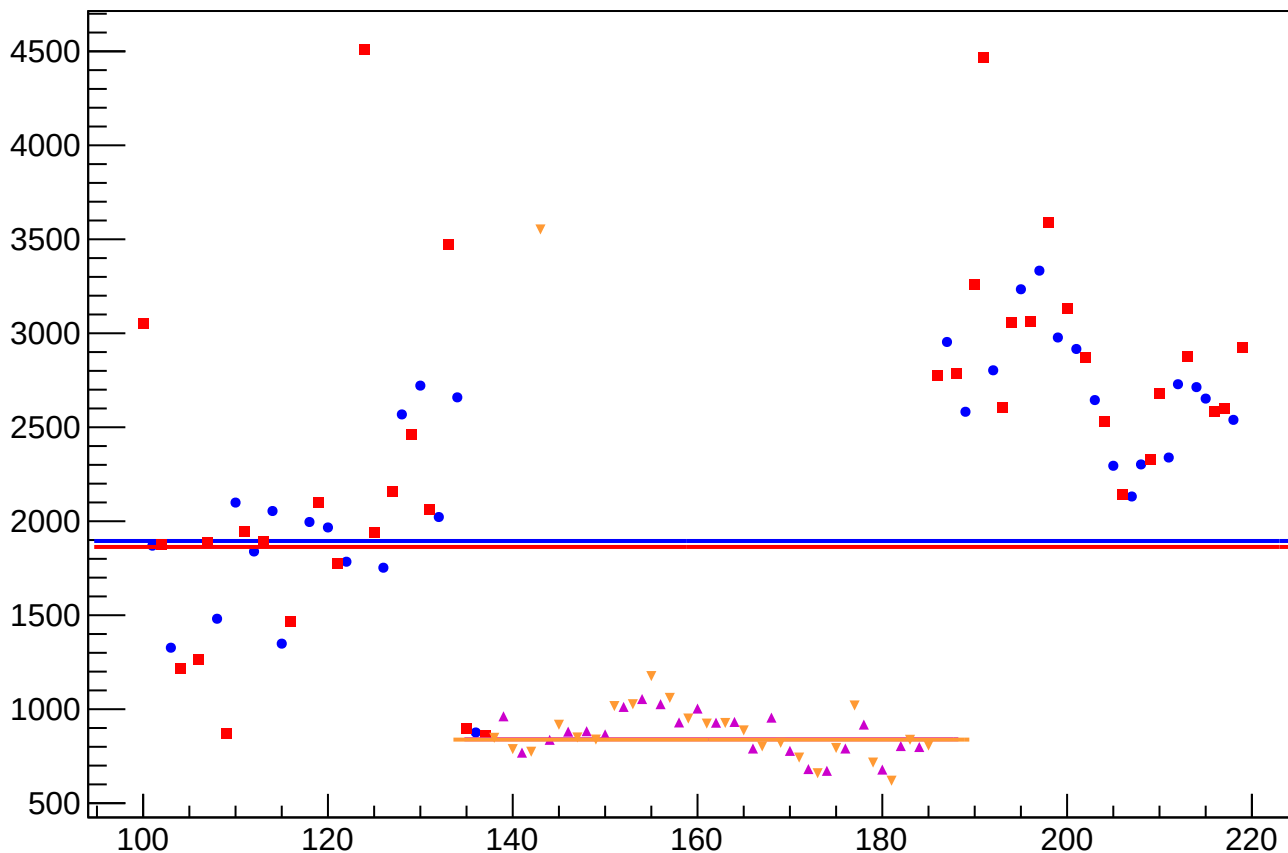
Left In: 288.602+/-198.495 χ^2/NDF : 16.6/22

+ sign 817.544+/-179.667 χ^2/NDF : 114.3/56

All: 638.827+/-127.578 χ^2/NDF : 166.4/116

- sign 457.072+/-181.187 χ^2/NDF : 50.1/59

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1894.993 $\pm$ 0.321 χ^2 /NDF: 5255189.3/31

Left Out: 838.254 $\pm$ 0.138 χ^2 /NDF: 1800138.0/24

Right Out: 1863.201 $\pm$ 0.314 χ^2 /NDF: 6831627.9/36

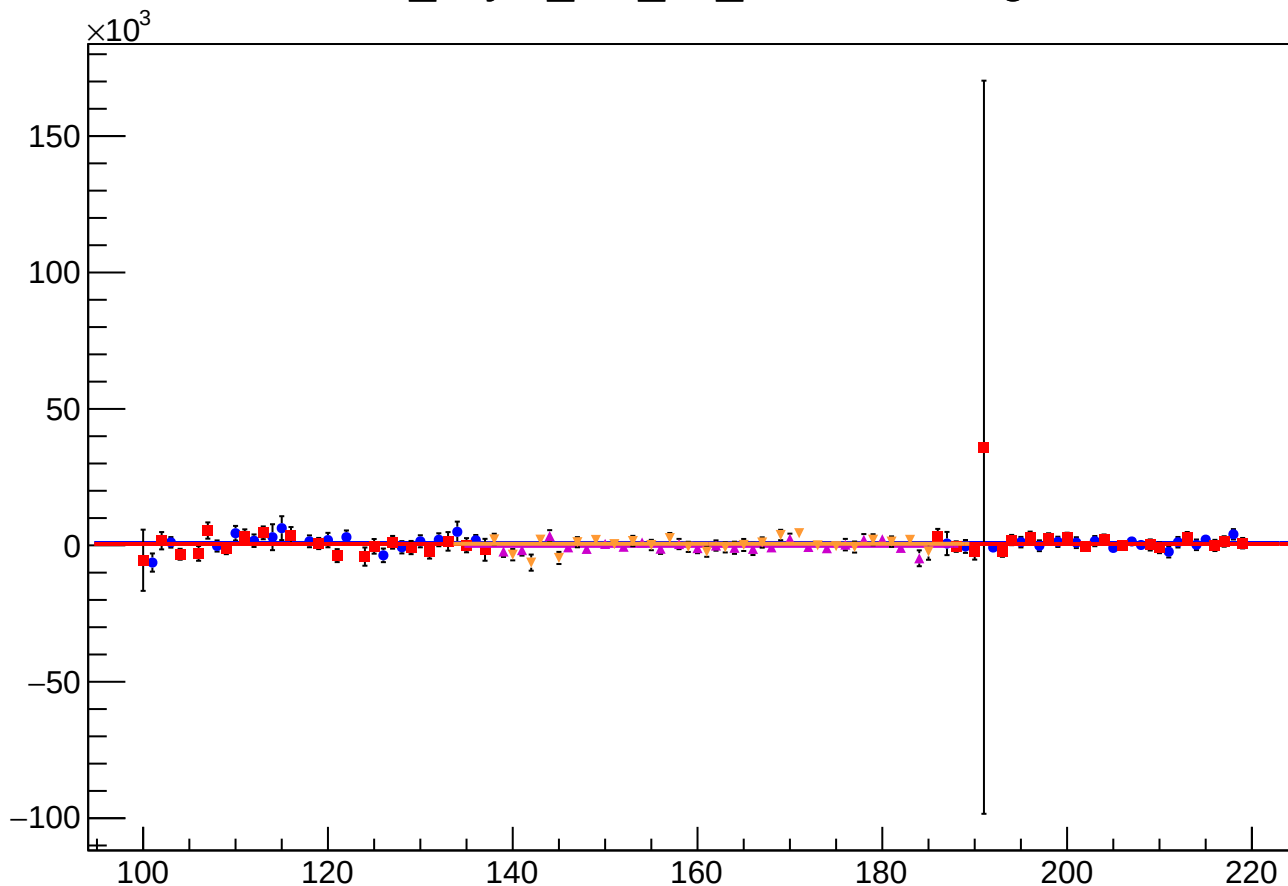
Left In: 839.978 $\pm$ 0.140 χ^2 /NDF: 669338.3/22

+ sign 1004.068 $\pm$ 0.127 χ^2 /NDF: 16208188.6/56

All: 1007.325 $\pm$ 0.090 χ^2 /NDF: 32574508.6/1

- sign 1010.637 $\pm$ 0.128 χ^2 /NDF: 16364994.5/59

dit_asym_at2_dd_mean vs Slug



Right In: 867.055+/-382.540 χ^2/NDF : 23.8/31

Left Out: 580.299+/-389.769 χ^2/NDF : 31.9/24

Right Out: 500.993+/-374.351 χ^2/NDF : 33.7/36

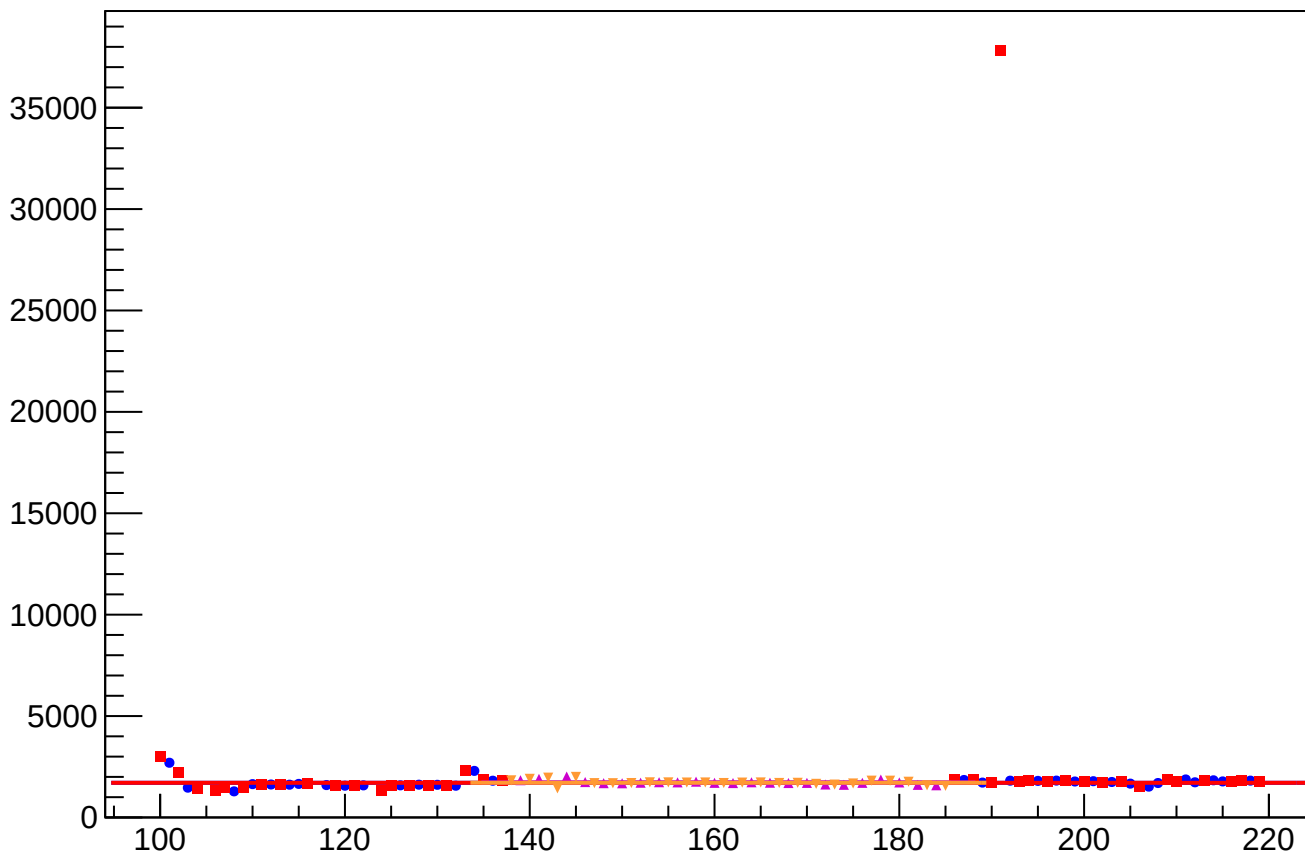
Left In: -185.836+/-404.094 χ^2/NDF : 14.4/22

+ sign 726.361+/-273.017 χ^2/NDF : 56.0/56

All: 456.660+/-193.616 χ^2/NDF : 107.7/116

- sign 183.783+/-274.620 χ^2/NDF : 49.7/59

dit_asym_at2_dd_rms vs Slug



Right In: 1708.171+/-0.270 χ^2/NDF : 471490.8/31

Left Out: 1711.712+/-0.276 χ^2/NDF : 168006.4/24

Right Out: 1709.037+/-0.265 χ^2/NDF : 592570.8/36

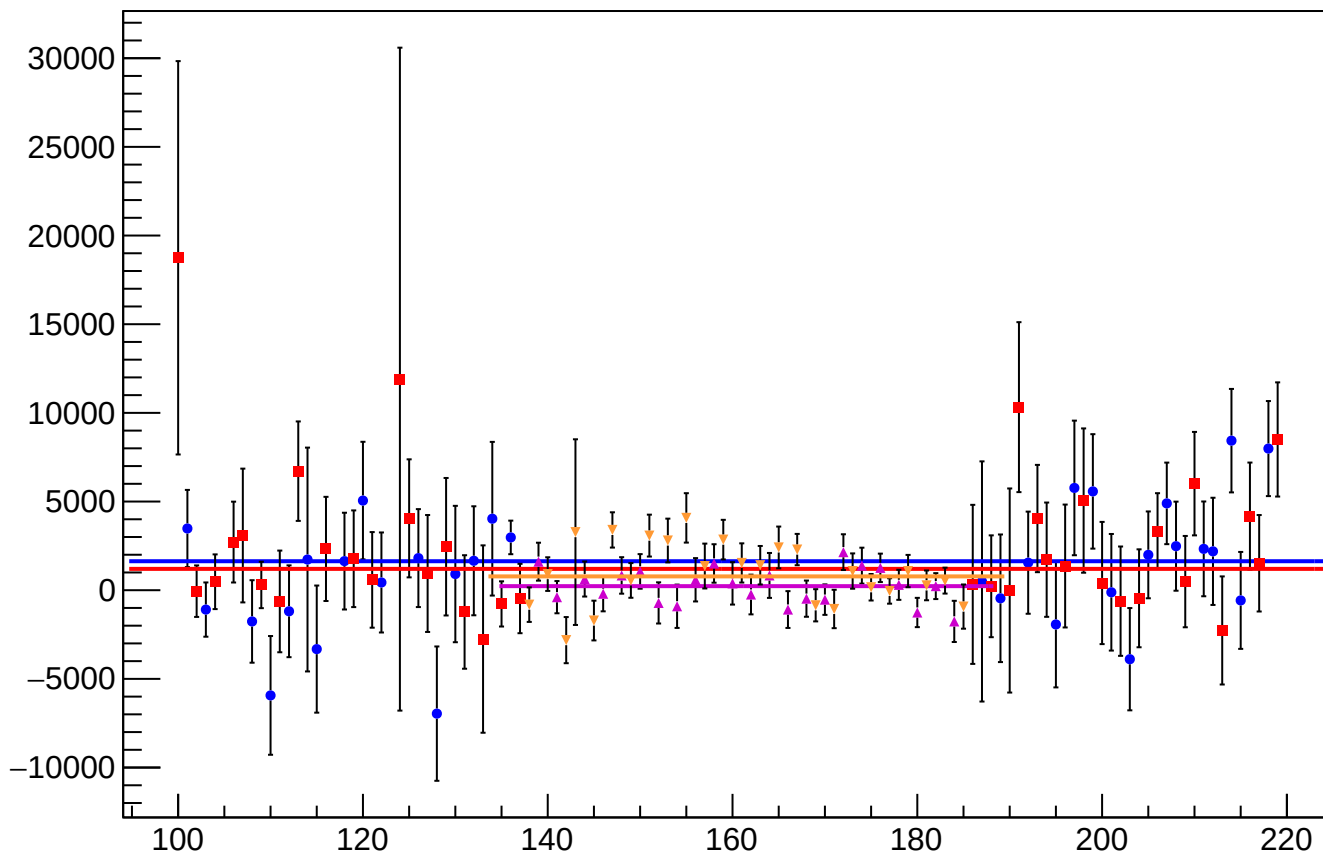
Left In: 1727.912+/-0.286 χ^2/NDF : 100226.8/22

+ sign 1709.908+/-0.193 χ^2/NDF : 639581.2/56

All: 1713.808+/-0.137 χ^2/NDF : 1335548.3/11

- sign 1717.754+/-0.194 χ^2/NDF : 695146.0/59

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1634.439 $\pm$ 452.107 χ^2/NDF : 44.9/31

Left Out: 778.974 $\pm$ 201.641 χ^2/NDF : 54.5/24

Right Out: 1203.023 $\pm$ 426.358 χ^2/NDF : 32.2/36

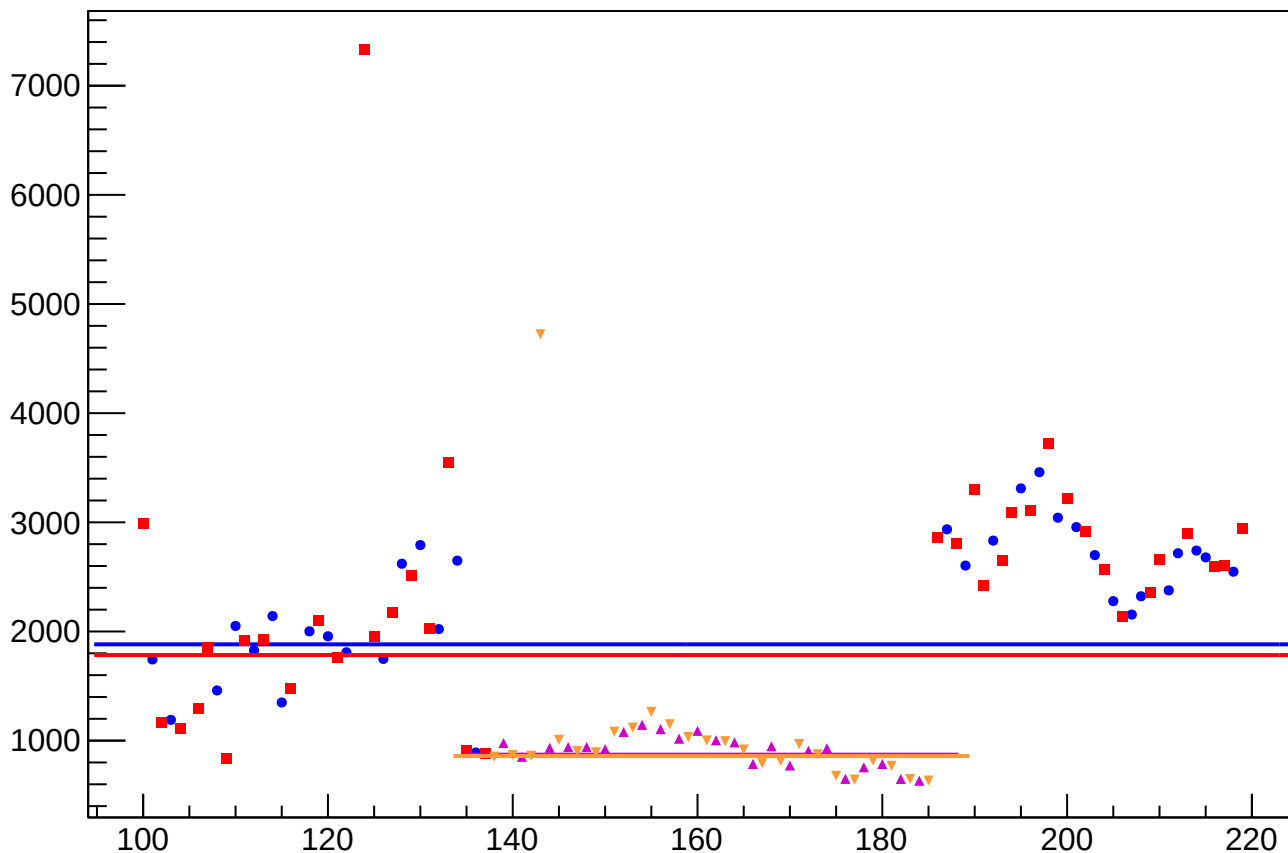
Left In: 228.879 $\pm$ 206.703 χ^2/NDF : 22.6/22

+ sign 920.909 $\pm$ 184.155 χ^2/NDF : 102.5/56

All: 670.110 $\pm$ 130.864 χ^2/NDF : 165.3/116

- sign 414.269 $\pm$ 185.997 χ^2/NDF : 59.1/59

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1882.223+/-0.320 χ^2/NDF : 5474161.1/31

Left Out: 858.593+/-0.143 χ^2/NDF : 2279775.0/24

Right Out: 1783.920+/-0.301 χ^2/NDF : 7592197.6/36

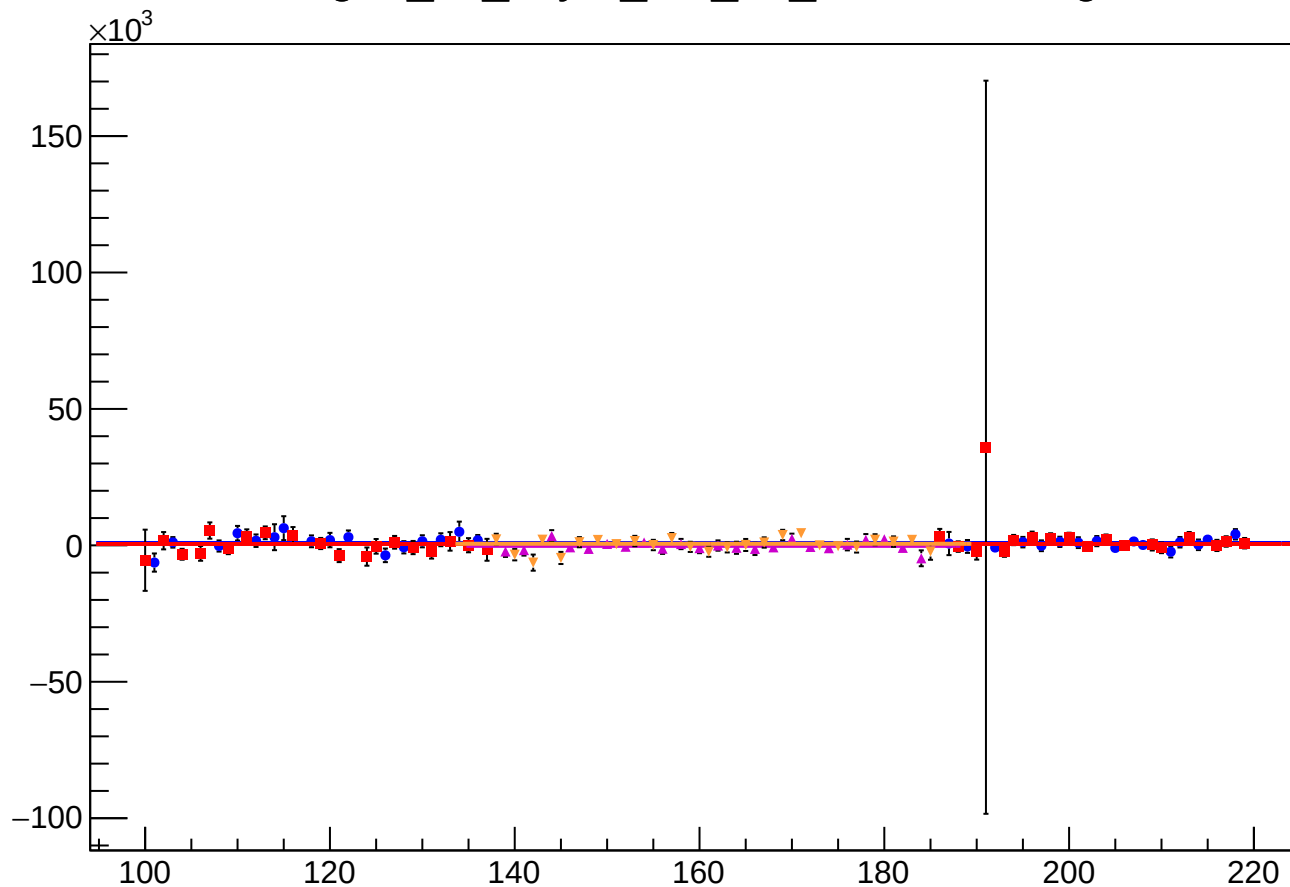
Left In: 871.527+/-0.146 χ^2/NDF : 979356.2/22

+ sign 1028.429+/-0.130 χ^2/NDF : 16305488.1/56

All: 1036.714+/-0.093 χ^2/NDF : 32301120.0/100

- sign 1045.165+/-0.132 χ^2/NDF : 15987454.2/59

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 867.047 $\pm$ 382.540 χ^2 /NDF: 23.8/31

Left Out: 580.295 $\pm$ 389.769 χ^2 /NDF:31.9/24

Right Out: 500.989 $\pm$ 374.351 χ^2 /NDF: 33.7/36

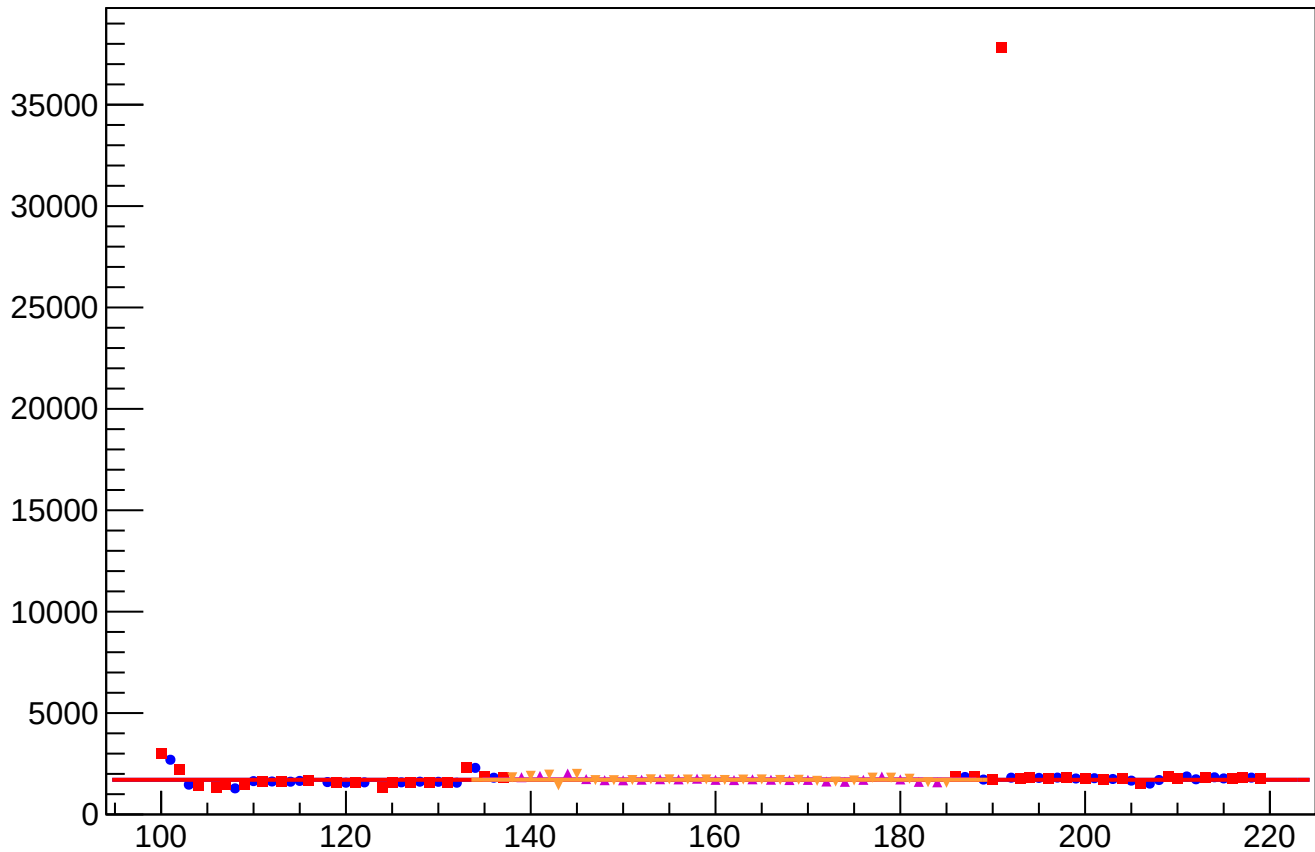
Left In: -185.837 $\pm$ 404.094 χ^2 /NDF:14.4/22

+ sign 726.355 $\pm$ 273.017 χ^2 /NDF: 56.0/56

All: 456.656 $\pm$ 193.616 χ^2 /NDF: 107.7/116

- sign 183.780 $\pm$ 274.620 χ^2 /NDF: 49.7/59

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1708.171+/-0.270 χ^2/NDF : 471490.6/31

Left Out: 1711.711+/-0.276 χ^2/NDF : 168005.1/24

Right Out: 1709.037+/-0.265 χ^2/NDF : 592570.9/36

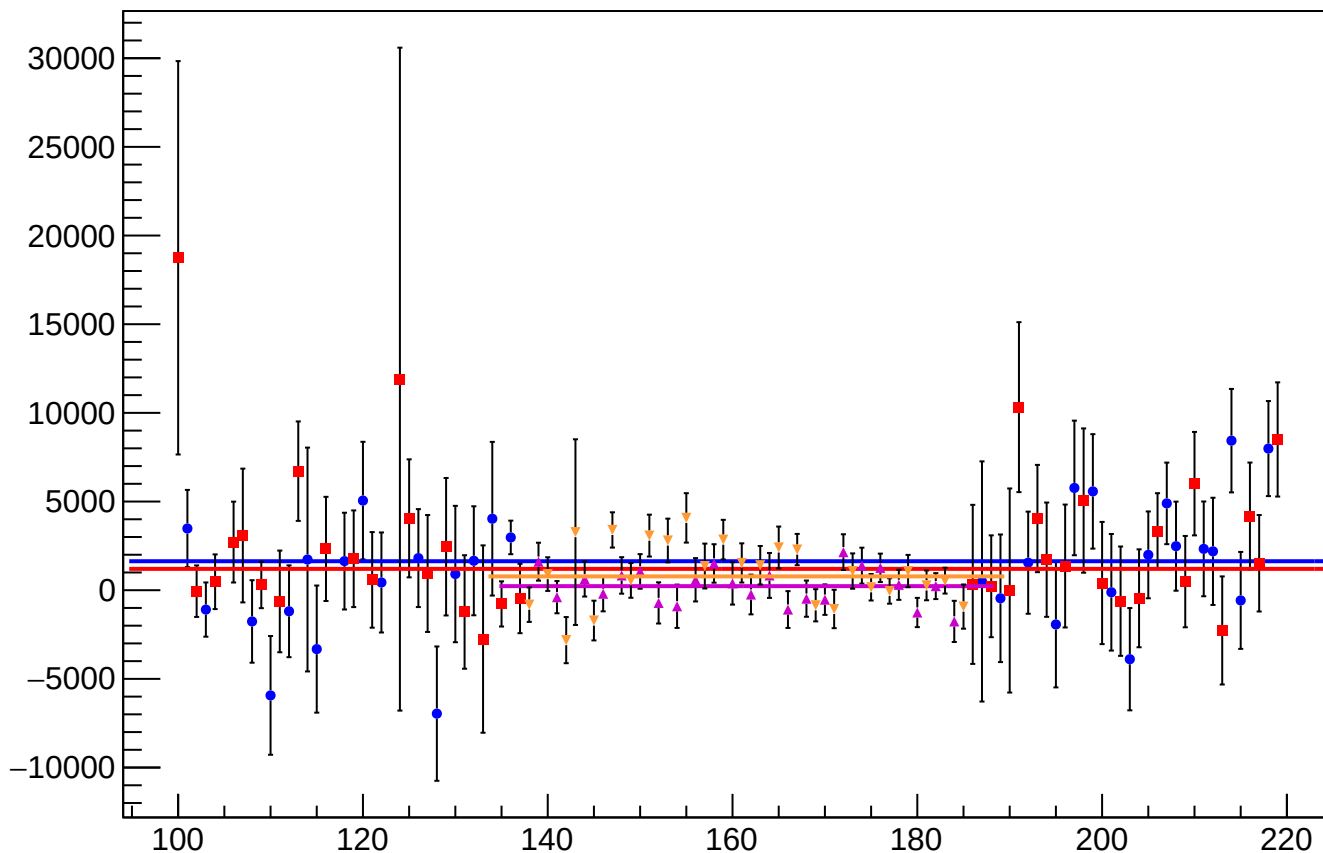
Left In: 1727.912+/-0.286 χ^2/NDF : 100226.8/22

+ sign 1709.908+/-0.193 χ^2/NDF : 639579.8/56

All: 1713.808+/-0.137 χ^2/NDF : 1335547.0/11

- sign 1717.754+/-0.194 χ^2/NDF : 695146.0/59

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1634.440 ± 452.108 χ^2/NDF : 44.9/31

Left Out: 778.977 ± 201.641 χ^2/NDF : 54.5/24

Right Out: 1203.035 ± 426.360 χ^2/NDF : 32.2/36

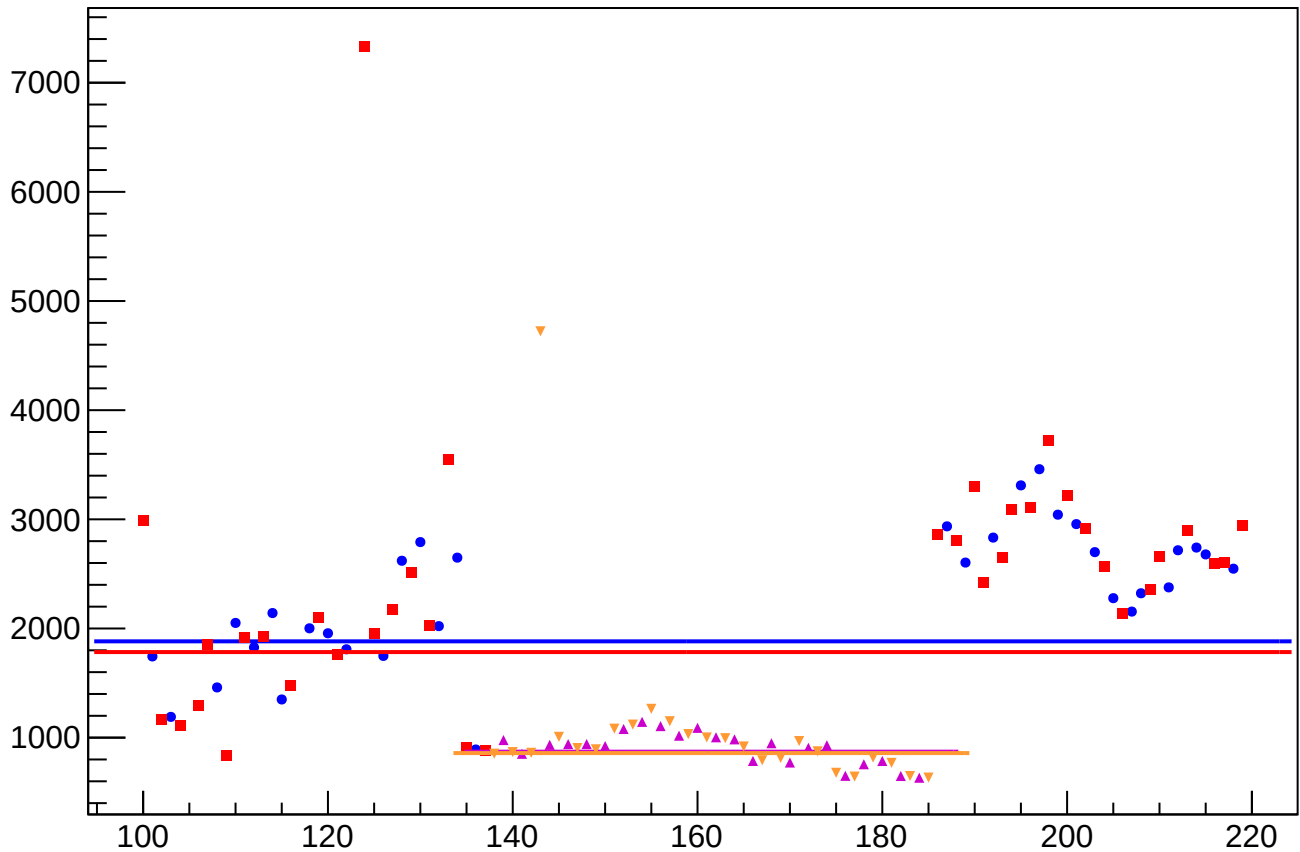
Left In: 228.876 ± 206.703 χ^2/NDF : 22.6/22

+ sign 920.910 ± 184.155 χ^2/NDF : 102.5/56

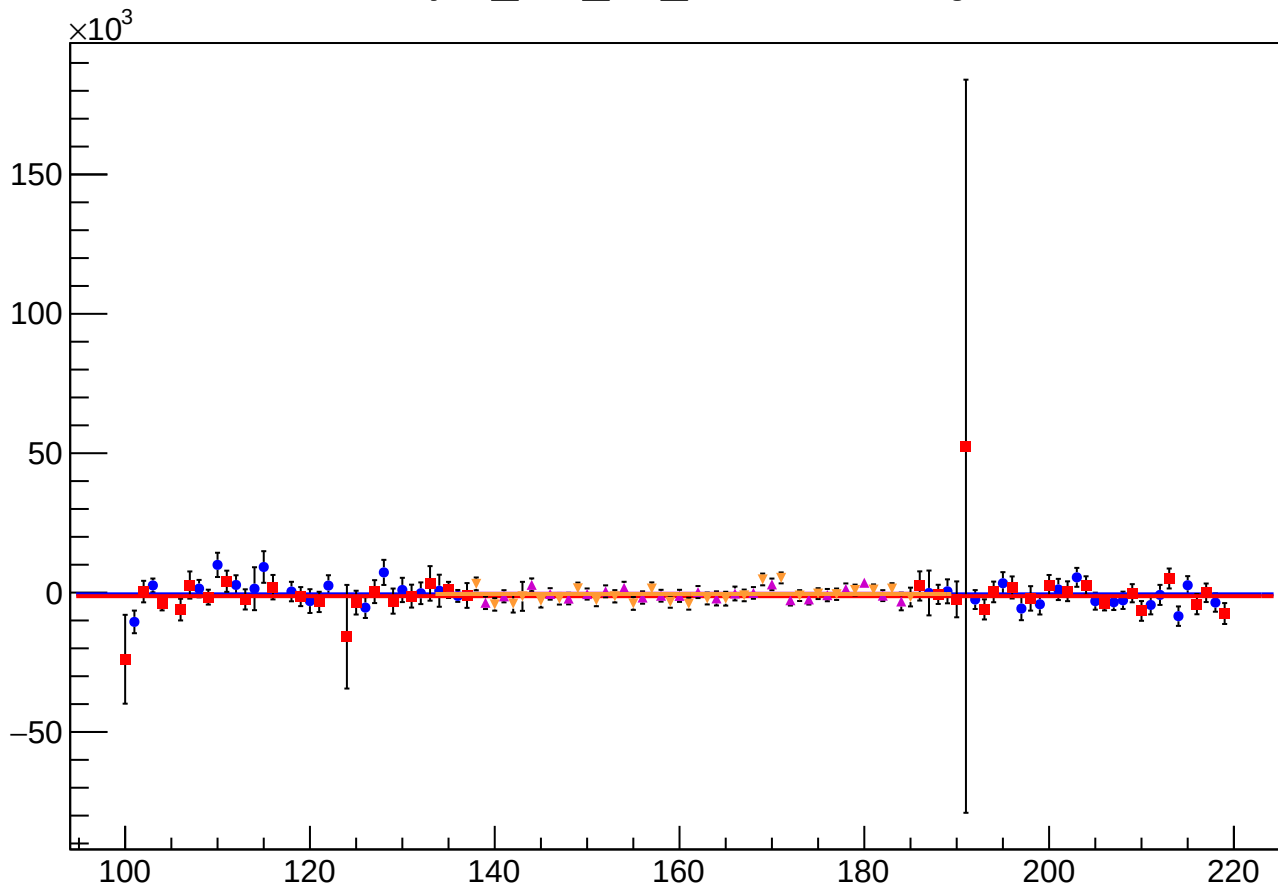
All: 670.110 ± 130.864 χ^2/NDF : 165.3/116

- sign 414.268 ± 185.997 χ^2/NDF : 59.1/59

asym_at2_dd_eigen_dit_correction_rms vs Slug



asym_at2_dd_mean vs Slug



Right In: -626.675 ± 633.786 χ^2/NDF : 41.5/31

Left Out: -501.517 ± 439.916 χ^2/NDF : 35.9/24

Right Out: -1285.934 ± 627.049 χ^2/NDF : 26.5/36

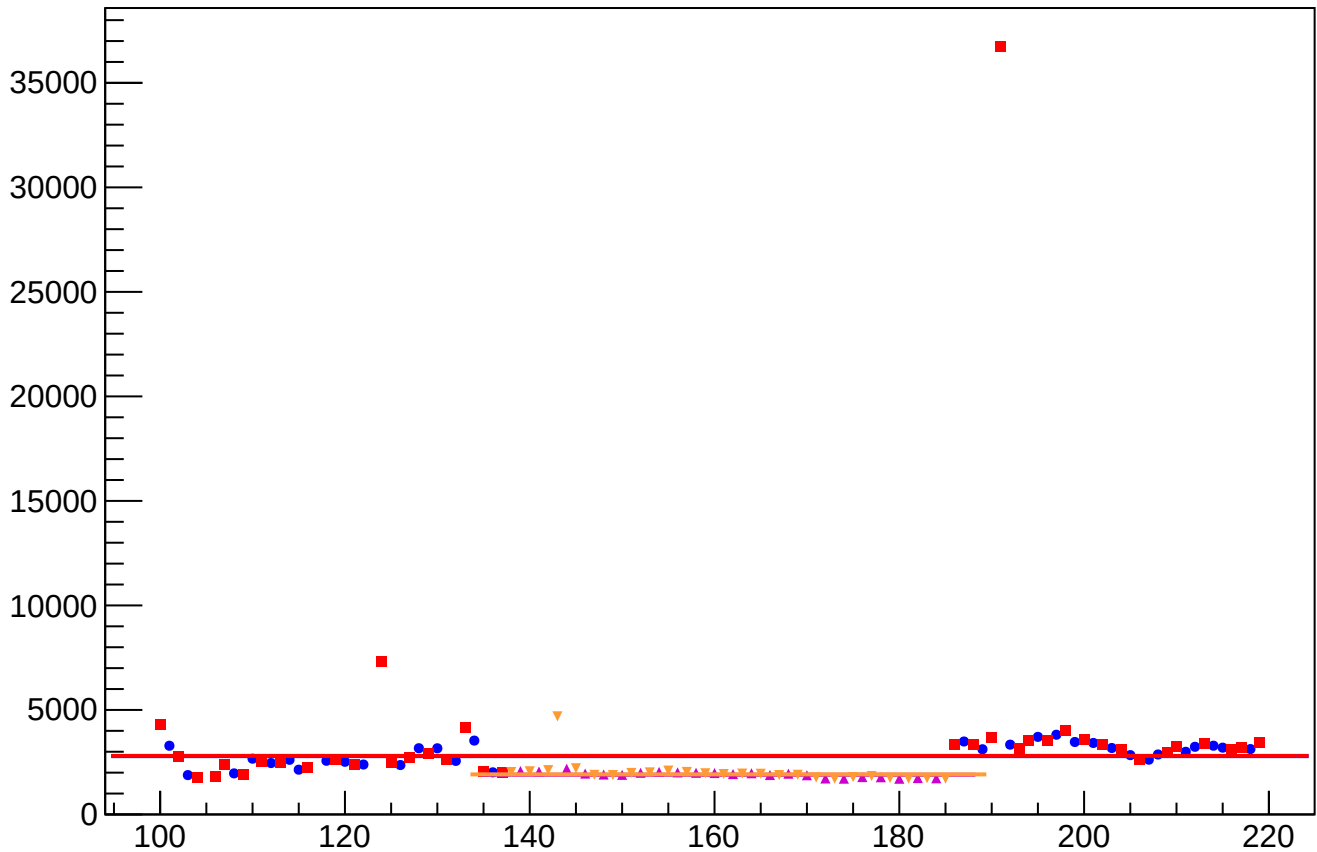
Left In: -411.323 ± 444.573 χ^2/NDF : 18.9/22

+ sign -542.211 ± 361.391 χ^2/NDF : 77.4/56

All: -622.768 ± 255.993 χ^2/NDF : 124.2/116

- sign -703.896 ± 362.670 χ^2/NDF : 46.7/59

asym_at2_dd_rms vs Slug



Right In: 2790.147 $\pm$ 0.448 χ^2 /NDF: 1480134.2/31

Left Out: 1917.157 $\pm$ 0.311 χ^2 /NDF: 756385.6/24

Right Out: 2801.725 $\pm$ 0.443 χ^2 /NDF: 2176279.3/36

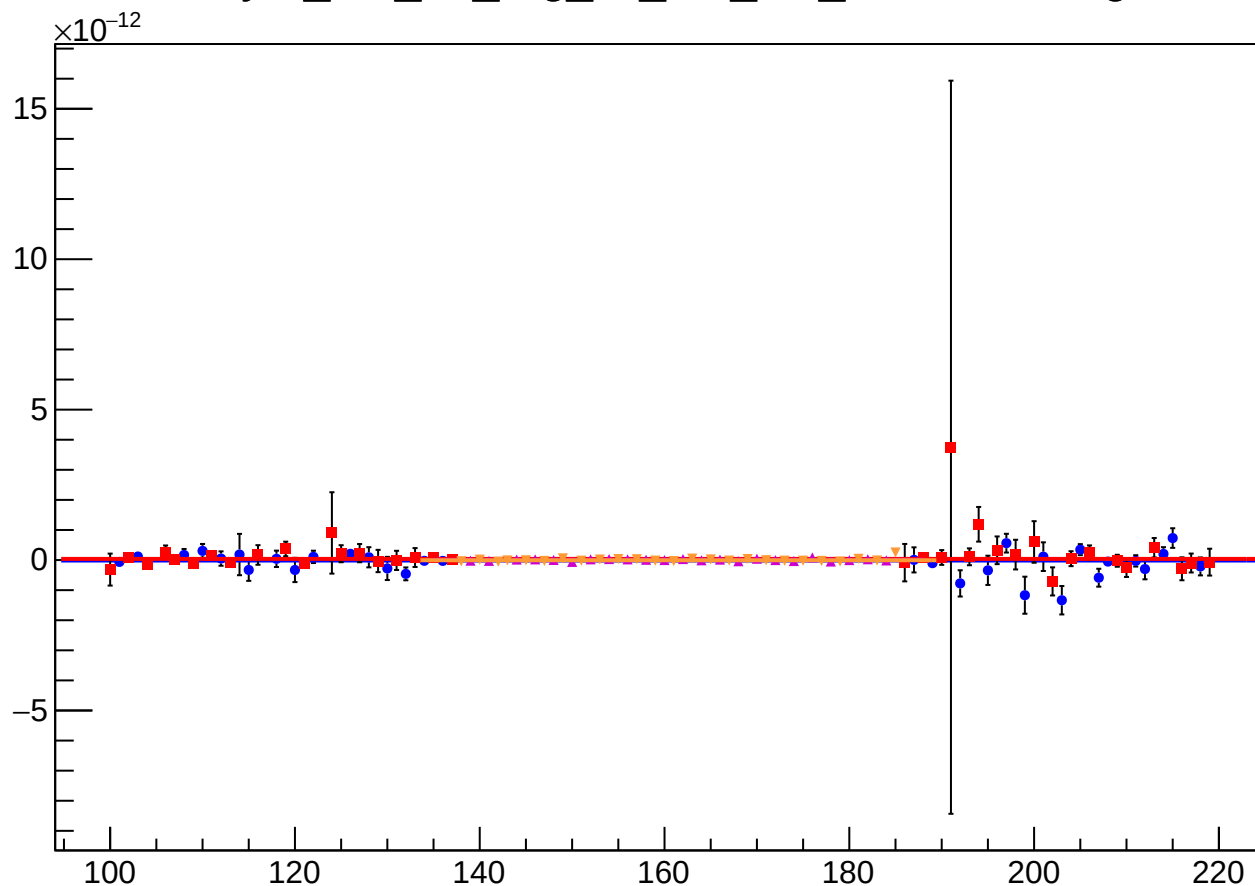
Left In: 1899.245 $\pm$ 0.314 χ^2 /NDF: 173376.4/22

+ sign 2201.001 $\pm$ 0.256 χ^2 /NDF: 4797332.2/56

All: 2201.072 $\pm$ 0.181 χ^2 /NDF: 9904012.4/11

- sign 2201.143 $\pm$ 0.256 χ^2 /NDF: 5106680.0/59

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 48.6/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 28.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 27.4/36

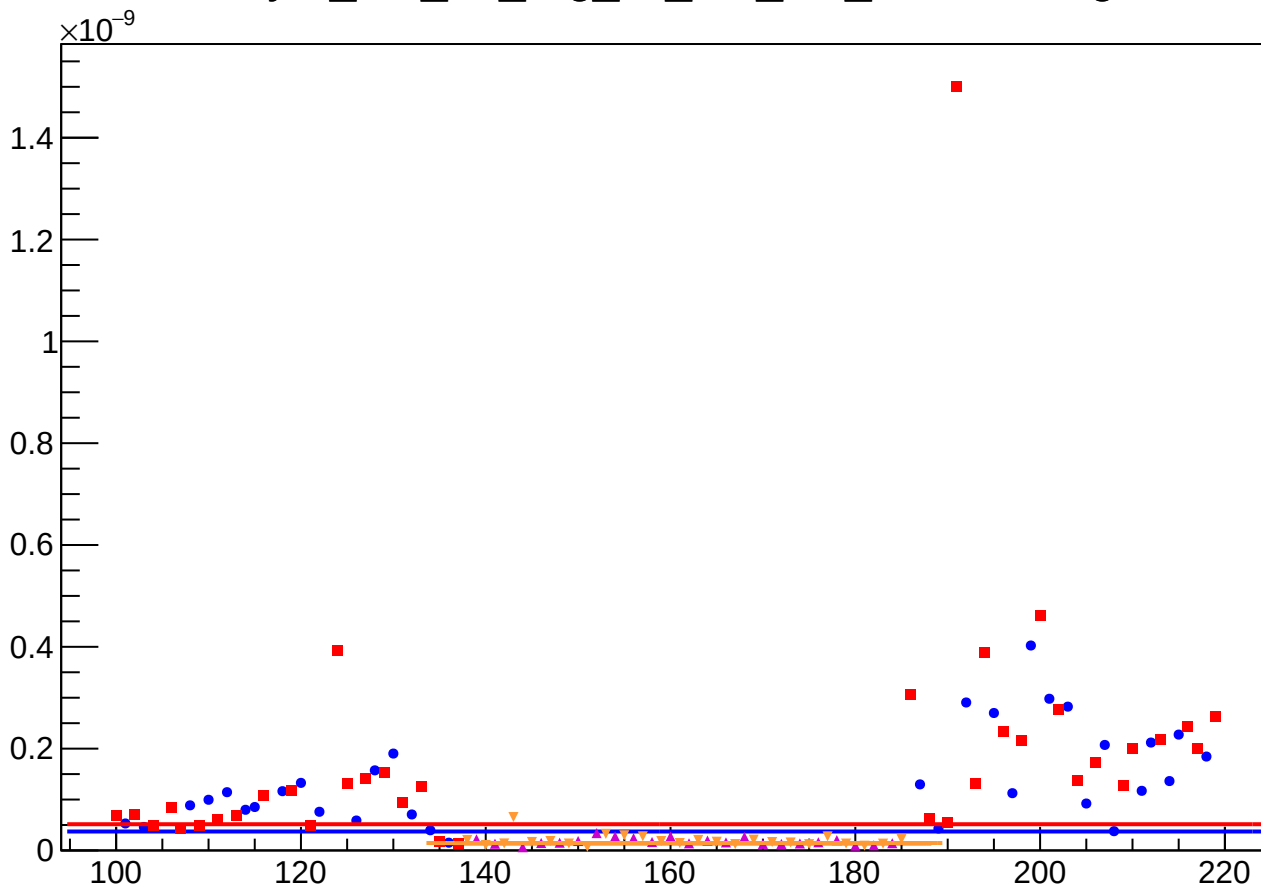
Left In: 0.000 ± 0.000 χ^2/NDF : 25.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 77.3/56

All: 0.000 ± 0.000 χ^2/NDF : 134.7/116

- sign 0.000 ± 0.000 χ^2/NDF : 53.8/59

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9592366.1/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9364314.0/36

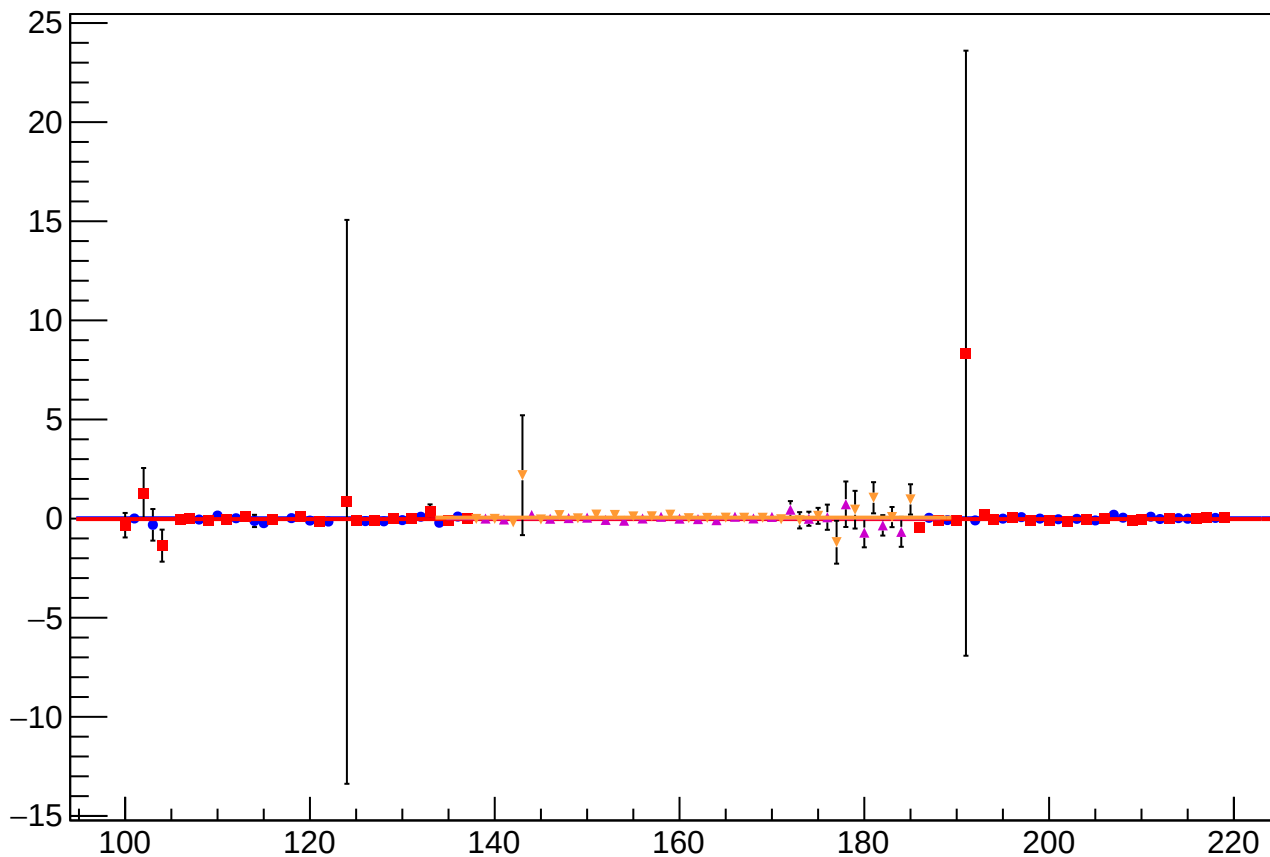
Left In: 0.000+/-0.000 χ^2/NDF : 1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 13675667.0/56

All: 0.000+/-0.000 χ^2/NDF : 28997072.1/116

- sign 0.000+/-0.000 χ^2/NDF : 15314174.3/59

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.018 ± 0.016 χ^2/NDF : 30.7/31

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.025 ± 0.015 χ^2/NDF : 28.6/36

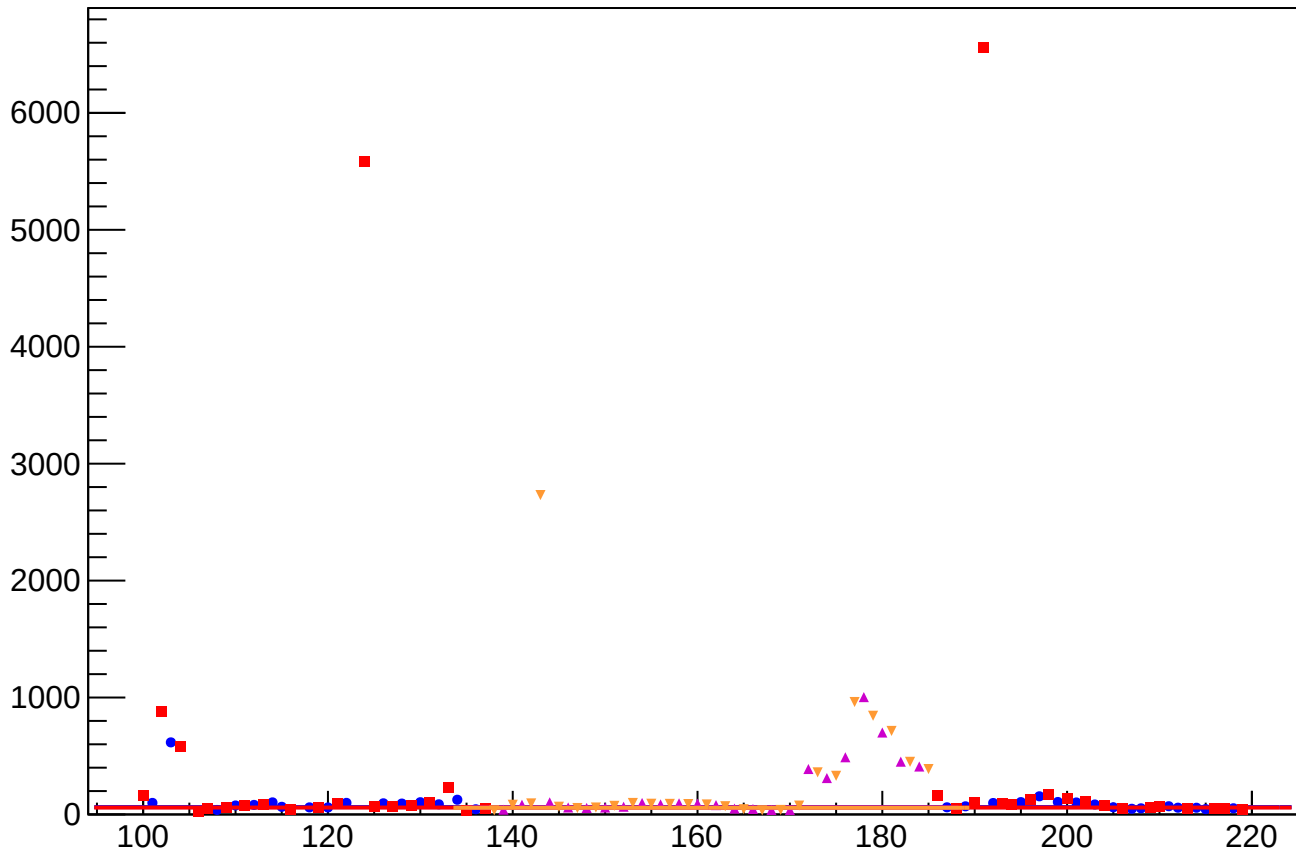
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.032 ± 0.012 χ^2/NDF : 57.1/56

All: 0.013 ± 0.008 χ^2/NDF : 110.4/116

- sign -0.006 ± 0.011 χ^2/NDF : 47.7/59

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 62.904 ± 0.011 χ^2/NDF : 4616389.9/31

Left Out: 57.259 ± 0.012 χ^2/NDF : 12322019.7/24

Right Out: 59.029 ± 0.011 χ^2/NDF : 7549979.1/36

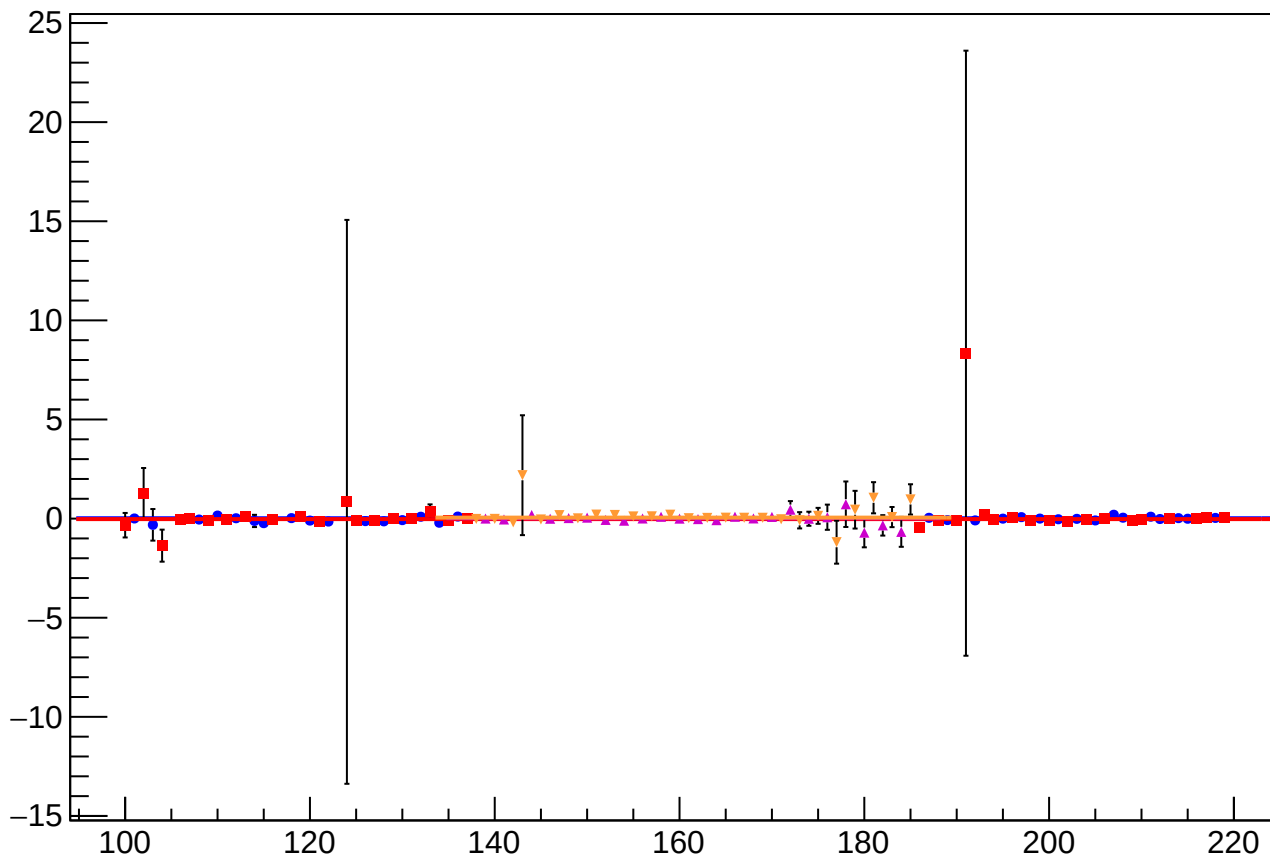
Left In: 58.580 ± 0.012 χ^2/NDF : 10247660.0/22

+ sign 60.311 ± 0.008 χ^2/NDF : 17057225.1/56

All: 59.556 ± 0.006 χ^2/NDF : 34872370.7/116

- sign 58.834 ± 0.008 χ^2/NDF : 17798416.5/59

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018 ± 0.016 χ^2/NDF : 30.7/31

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.025 ± 0.015 χ^2/NDF : 28.6/36

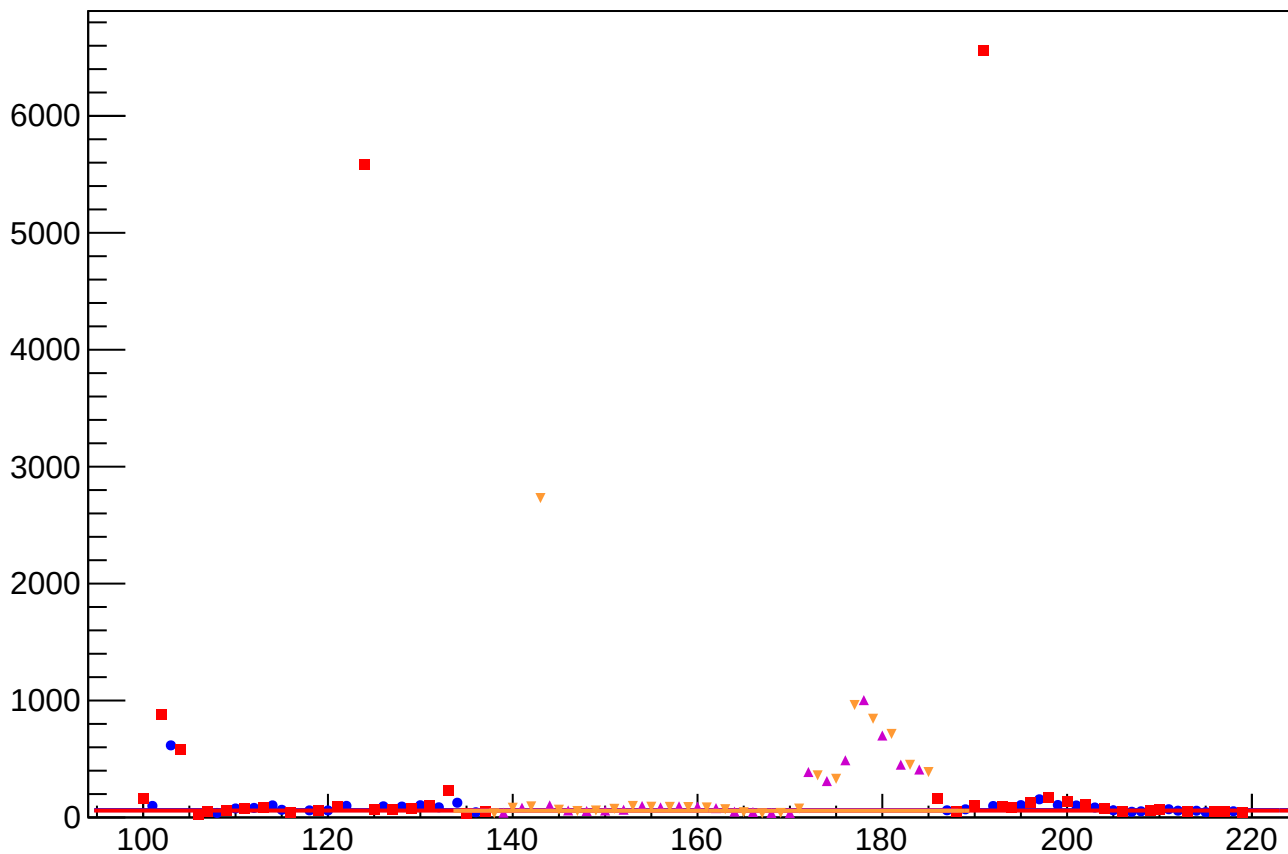
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.032 ± 0.012 χ^2/NDF : 57.1/56

All: 0.013 ± 0.008 χ^2/NDF : 110.4/116

- sign -0.006 ± 0.011 χ^2/NDF : 47.7/59

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.904+/-0.011 χ^2 /NDF: 4616389.9/31

Left Out: 57.259+/-0.012 χ^2 /NDF:12322019.7/24

Right Out: 59.029+/-0.011 χ^2 /NDF: 7549979.1/36

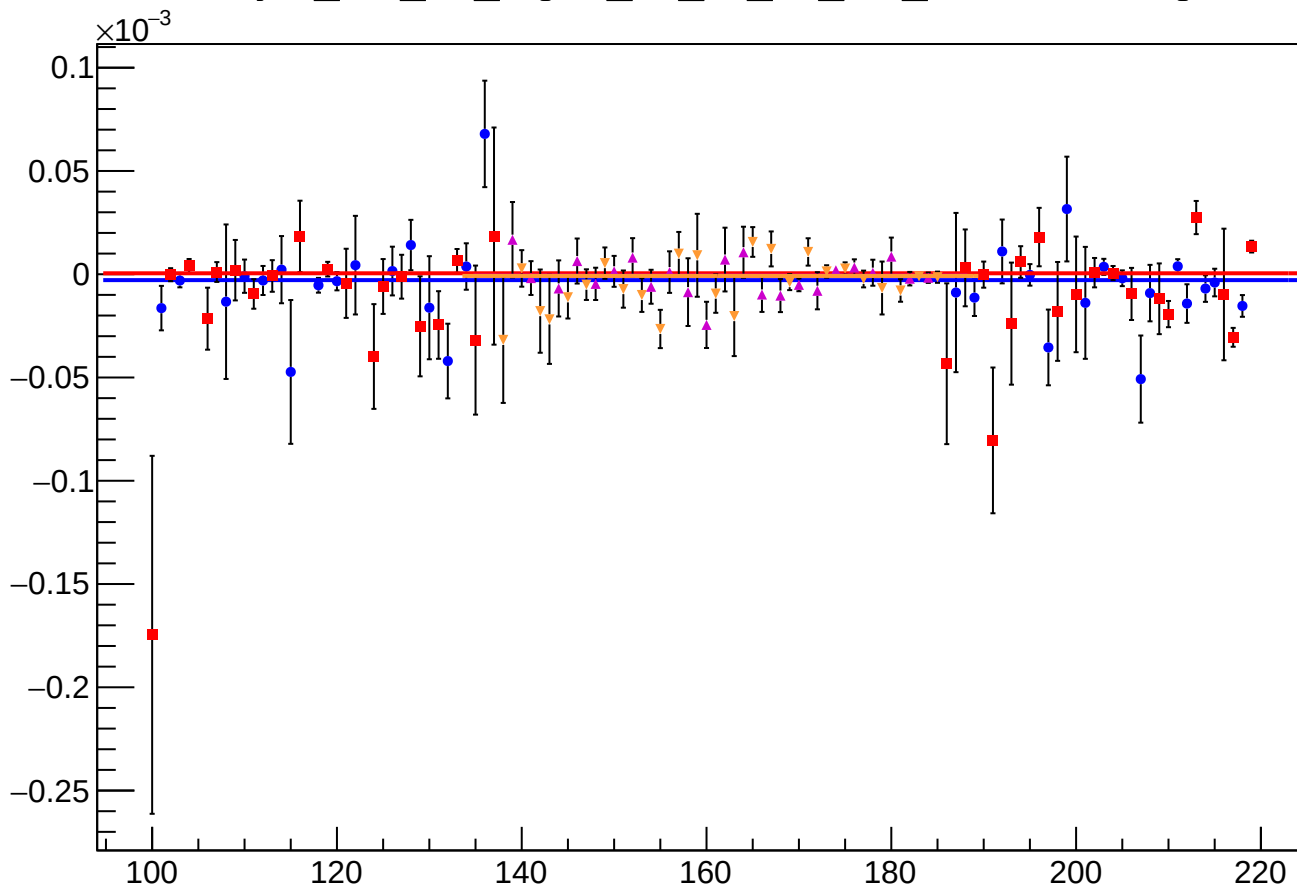
Left In: 58.580+/-0.012 χ^2 /NDF:10247660.0/22

+ sign 60.311+/-0.008 χ^2 /NDF: 17057225.1/56

All: 59.556+/-0.006 χ^2 /NDF: 34872370.7/116

- sign 58.834+/-0.008 χ^2 /NDF: 17798416.5/59

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 45.6/31

Left Out: -0.000+/-0.000 χ^2 /NDF:32.8/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 118.0/36

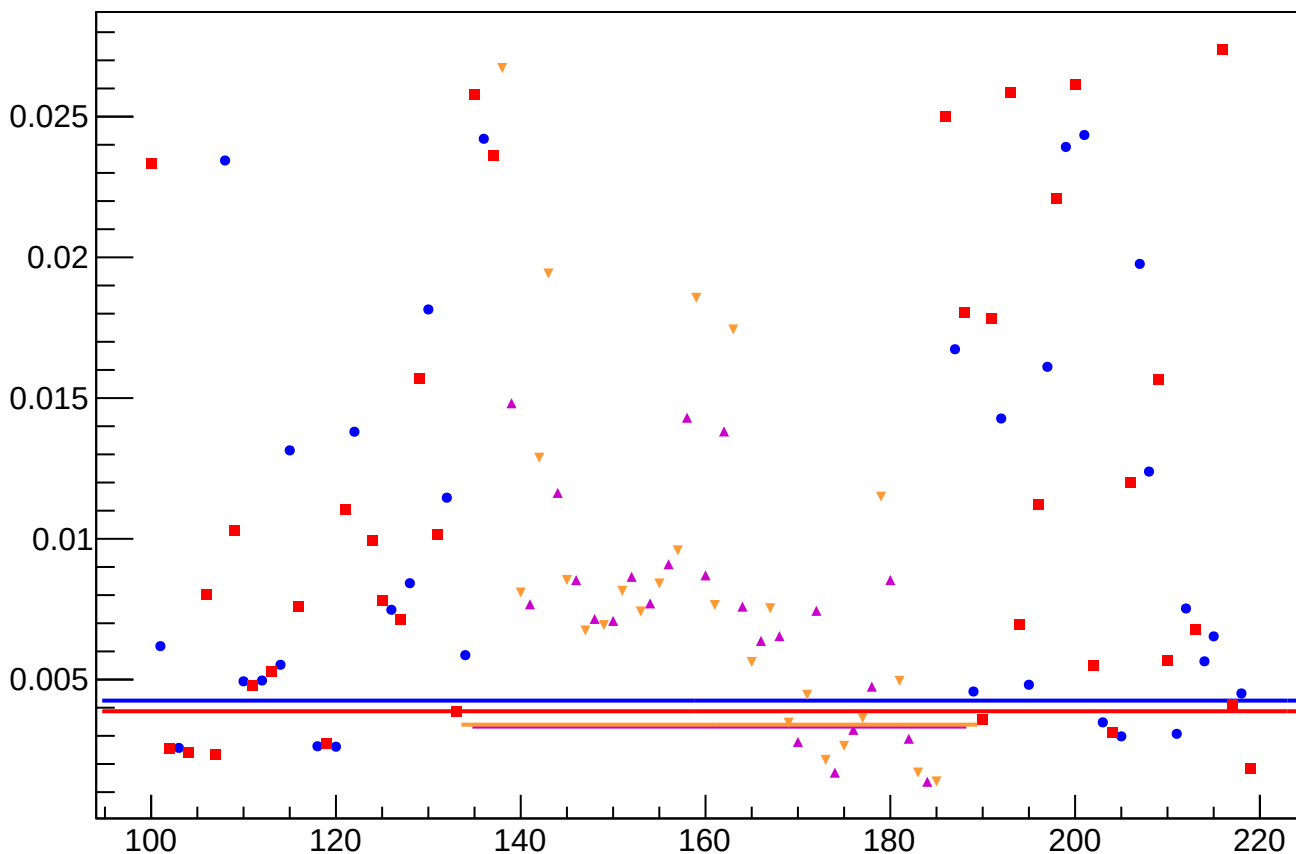
Left In: -0.000+/-0.000 χ^2 /NDF:18.8/22

+ sign -0.000+/-0.000 χ^2 /NDF: 80.0/56

All: -0.000+/-0.000 χ^2 /NDF: 219.3/116

- sign -0.000+/-0.000 χ^2 /NDF: 137.4/59

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 11970862.8/31

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:14248948.0/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 15597400.7/36

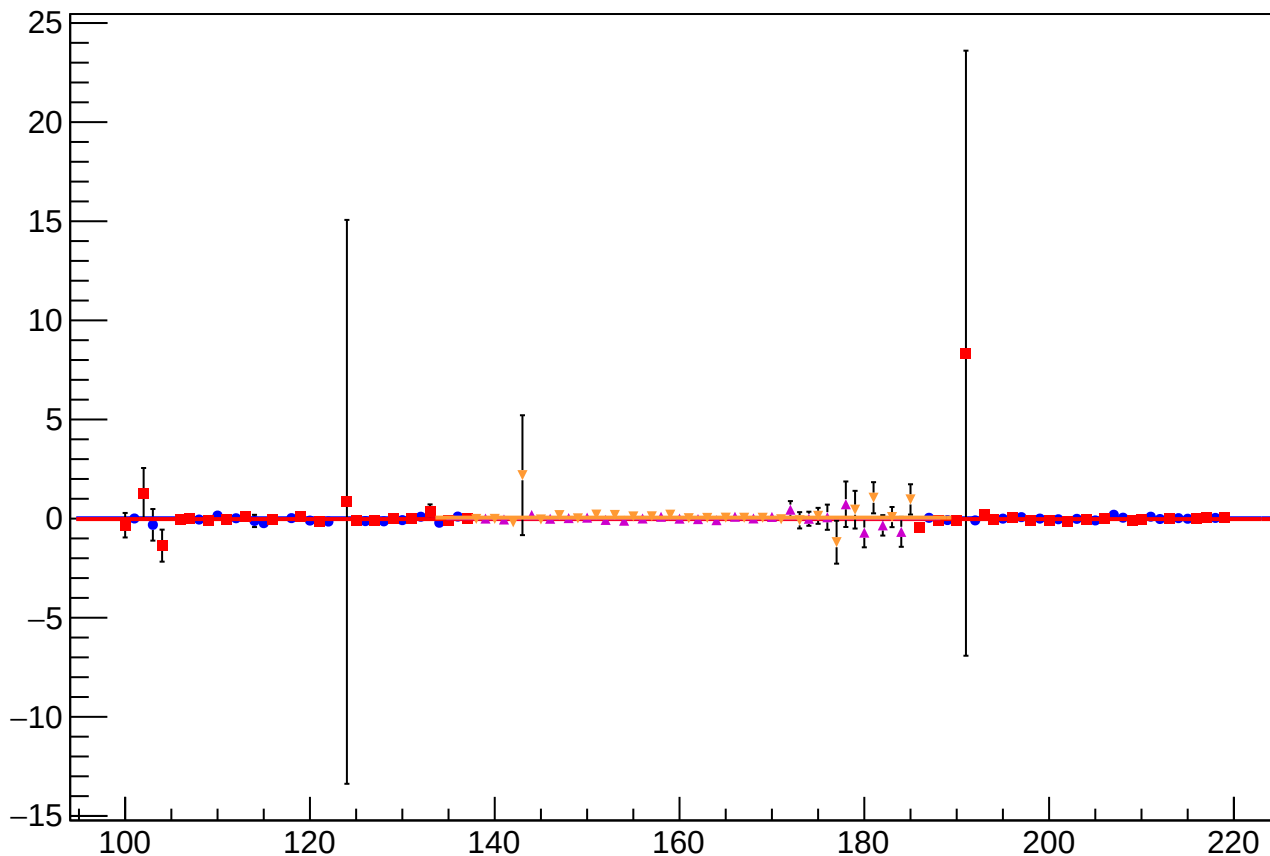
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:12566501.1/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 26798977.1/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 55266585.8/116

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 28418858.8/59

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018 ± 0.016 χ^2/NDF : 30.7/31

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.025 ± 0.015 χ^2/NDF : 28.6/36

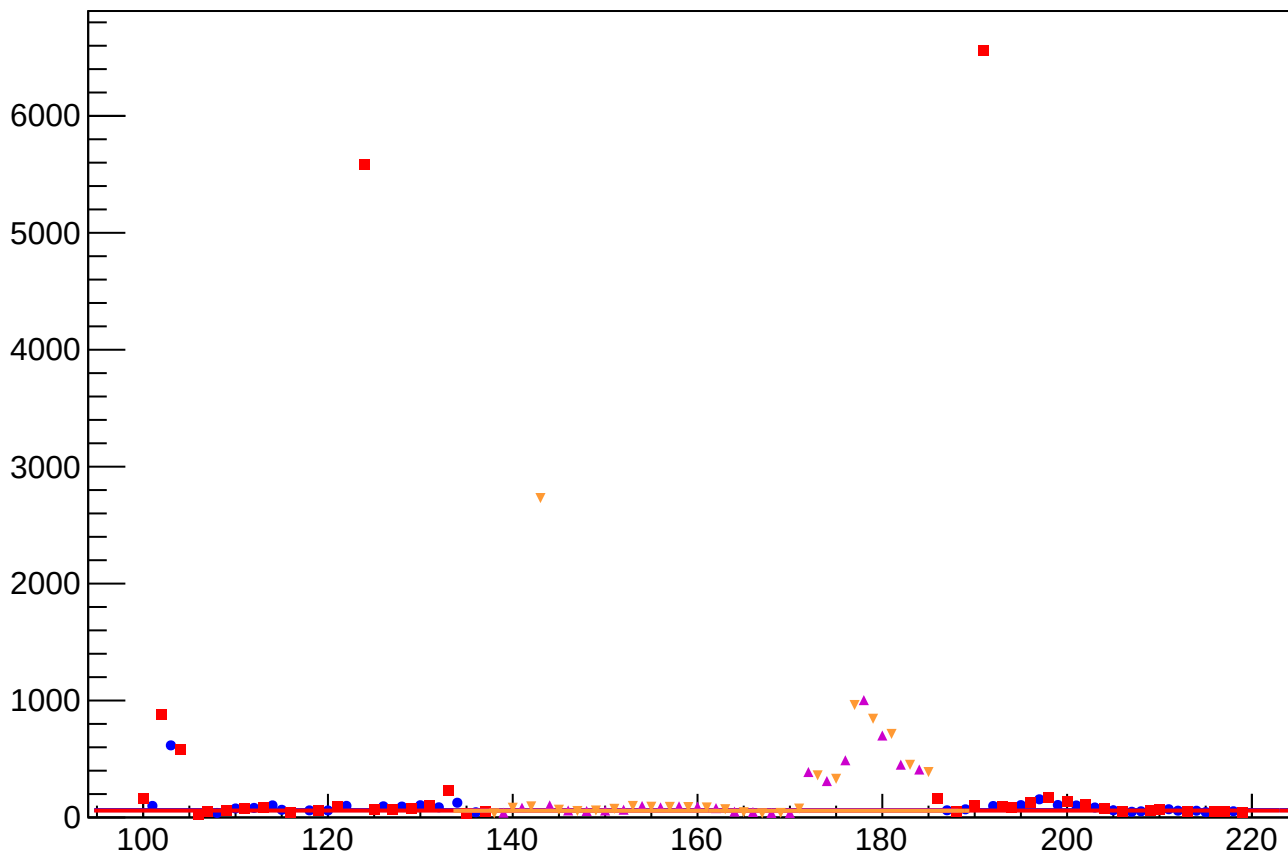
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.032 ± 0.012 χ^2/NDF : 57.1/56

All: 0.013 ± 0.008 χ^2/NDF : 110.4/116

- sign -0.006 ± 0.011 χ^2/NDF : 47.7/59

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 62.906 ± 0.011 $\chi^2/\text{NDF}: 4615599.9/31$

Left Out: 57.258 ± 0.012 $\chi^2/\text{NDF}: 12321763.3/24$

Right Out: 59.027 ± 0.011 $\chi^2/\text{NDF}: 7550819.7/36$

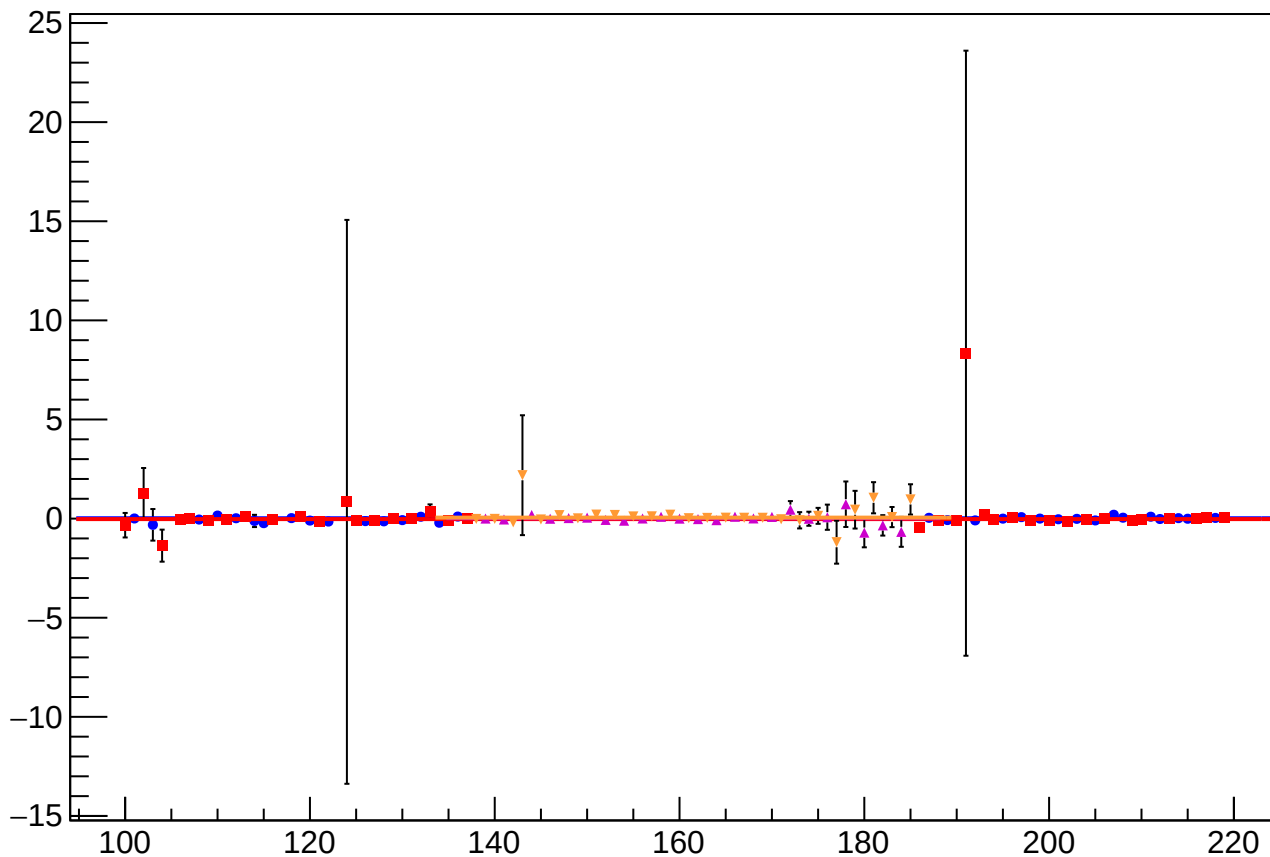
Left In: 58.582 ± 0.012 $\chi^2/\text{NDF}: 10247153.8/22$

+ sign 60.311 ± 0.008 $\chi^2/\text{NDF}: 17056314.7/56$

All: 59.556 ± 0.006 $\chi^2/\text{NDF}: 34871794.0/116$

- sign 58.834 ± 0.008 $\chi^2/\text{NDF}: 17798735.4/59$

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018 ± 0.016 χ^2/NDF : 30.7/31

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.025 ± 0.015 χ^2/NDF : 28.6/36

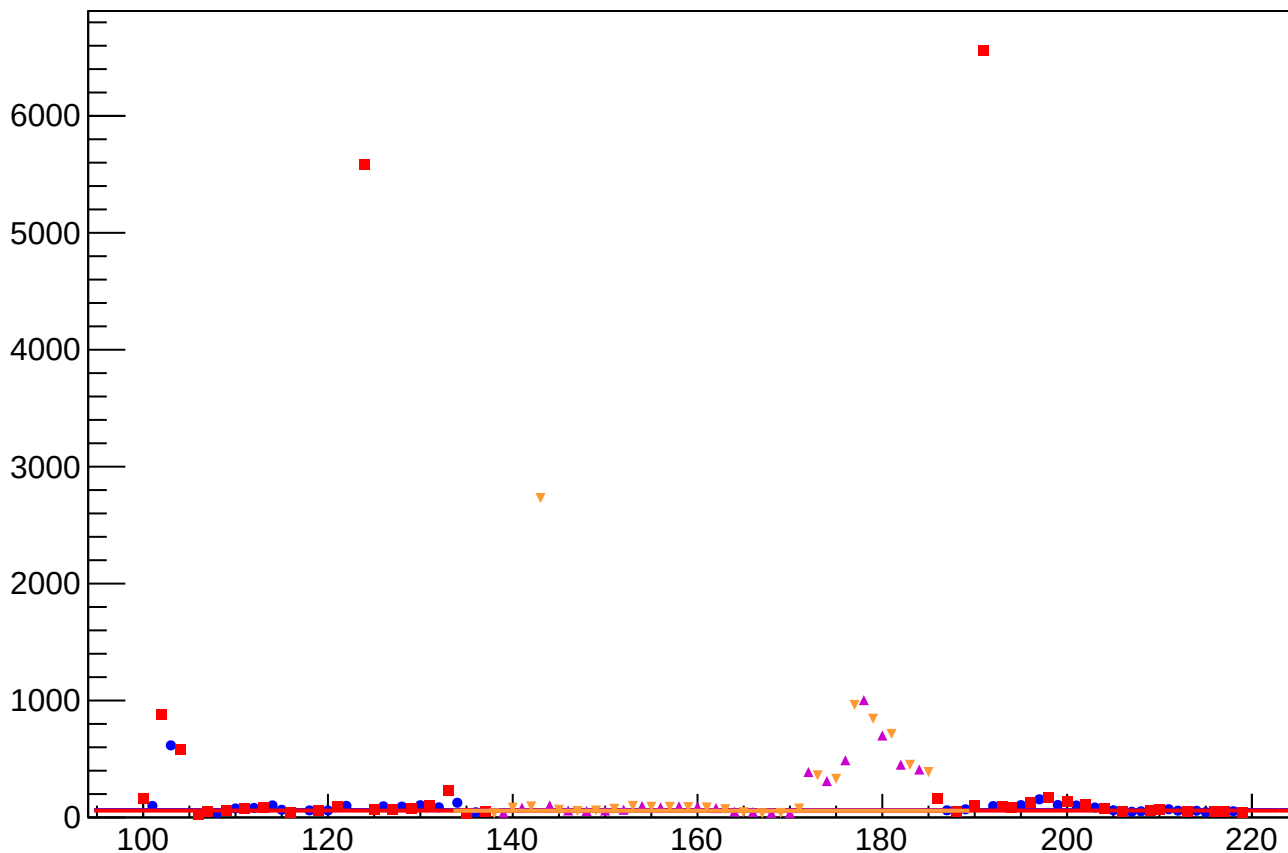
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.032 ± 0.012 χ^2/NDF : 57.1/56

All: 0.013 ± 0.008 χ^2/NDF : 110.4/116

- sign -0.006 ± 0.011 χ^2/NDF : 47.7/59

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.906+/-0.011 χ^2 /NDF: 4615599.9/31

Left Out: 57.258+/-0.012 χ^2 /NDF:12321763.3/24

Right Out: 59.027+/-0.011 χ^2 /NDF: 7550819.7/36

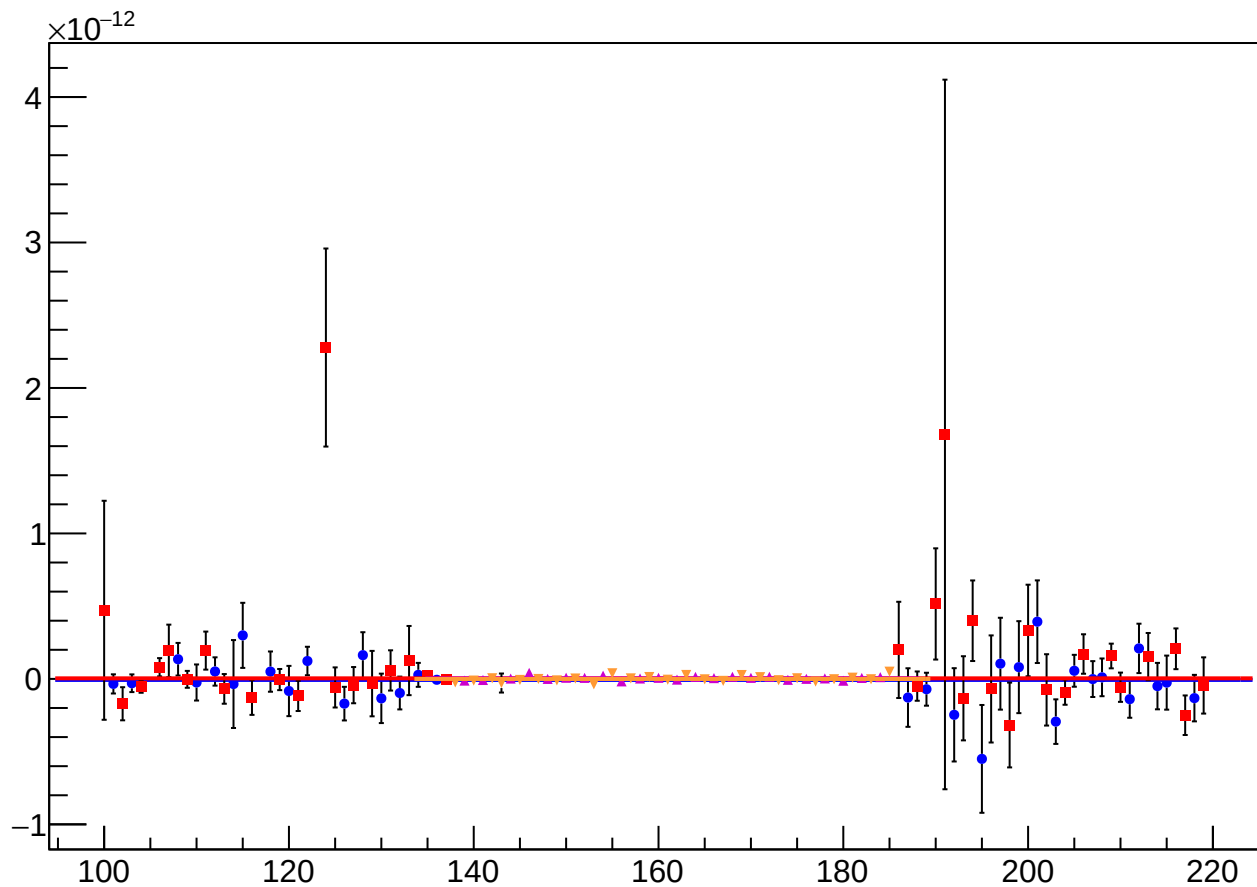
Left In: 58.582+/-0.012 χ^2 /NDF:10247153.8/22

+ sign 60.311+/-0.008 χ^2 /NDF: 17056314.7/56

All: 59.556+/-0.006 χ^2 /NDF: 34871794.0/116

- sign 58.834+/-0.008 χ^2 /NDF: 17798735.4/59

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 23.7/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 18.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 45.6/36

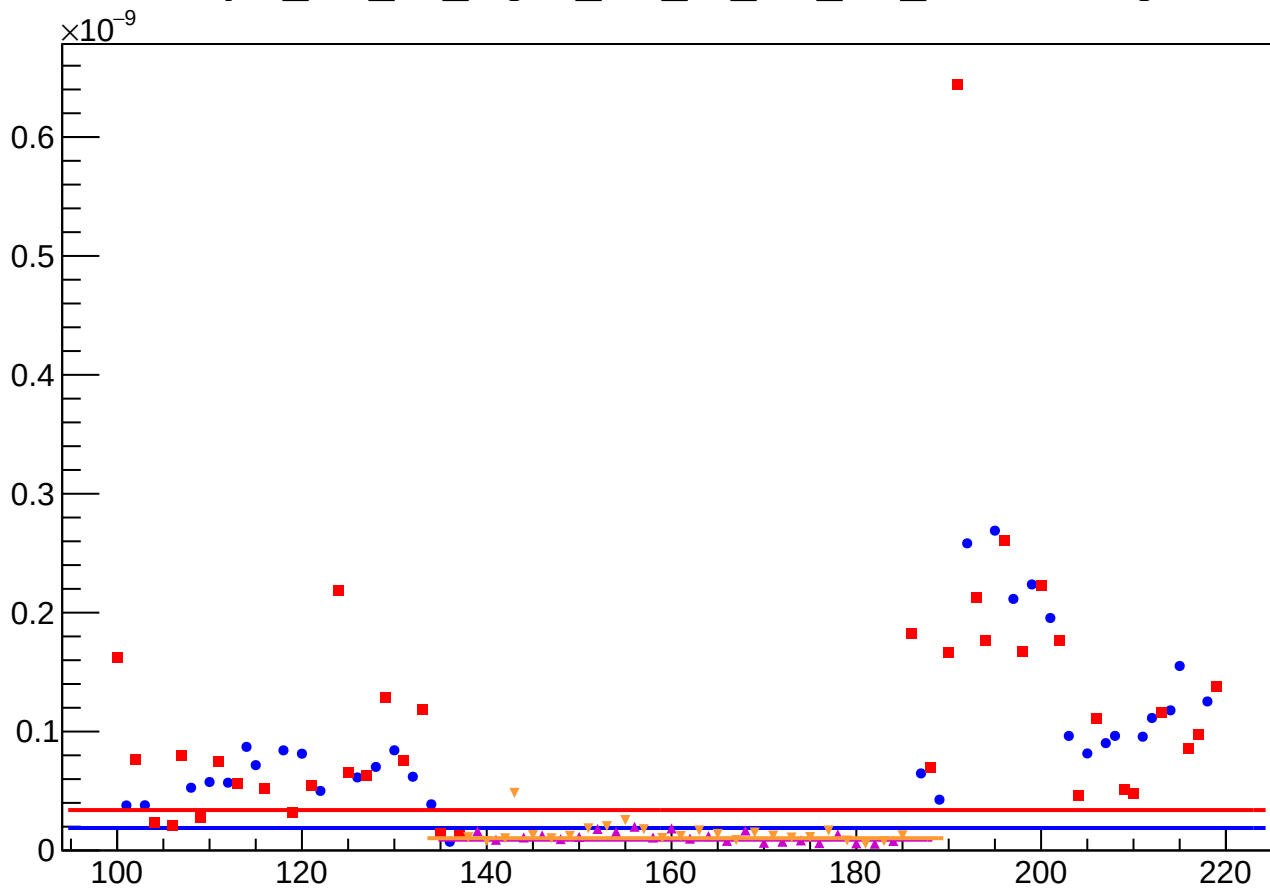
Left In: 0.000 ± 0.000 χ^2/NDF : 15.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 42.9/56

All: 0.000 ± 0.000 χ^2/NDF : 104.9/116

- sign 0.000 ± 0.000 χ^2/NDF : 61.0/59

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 16710701.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11774920.1/36

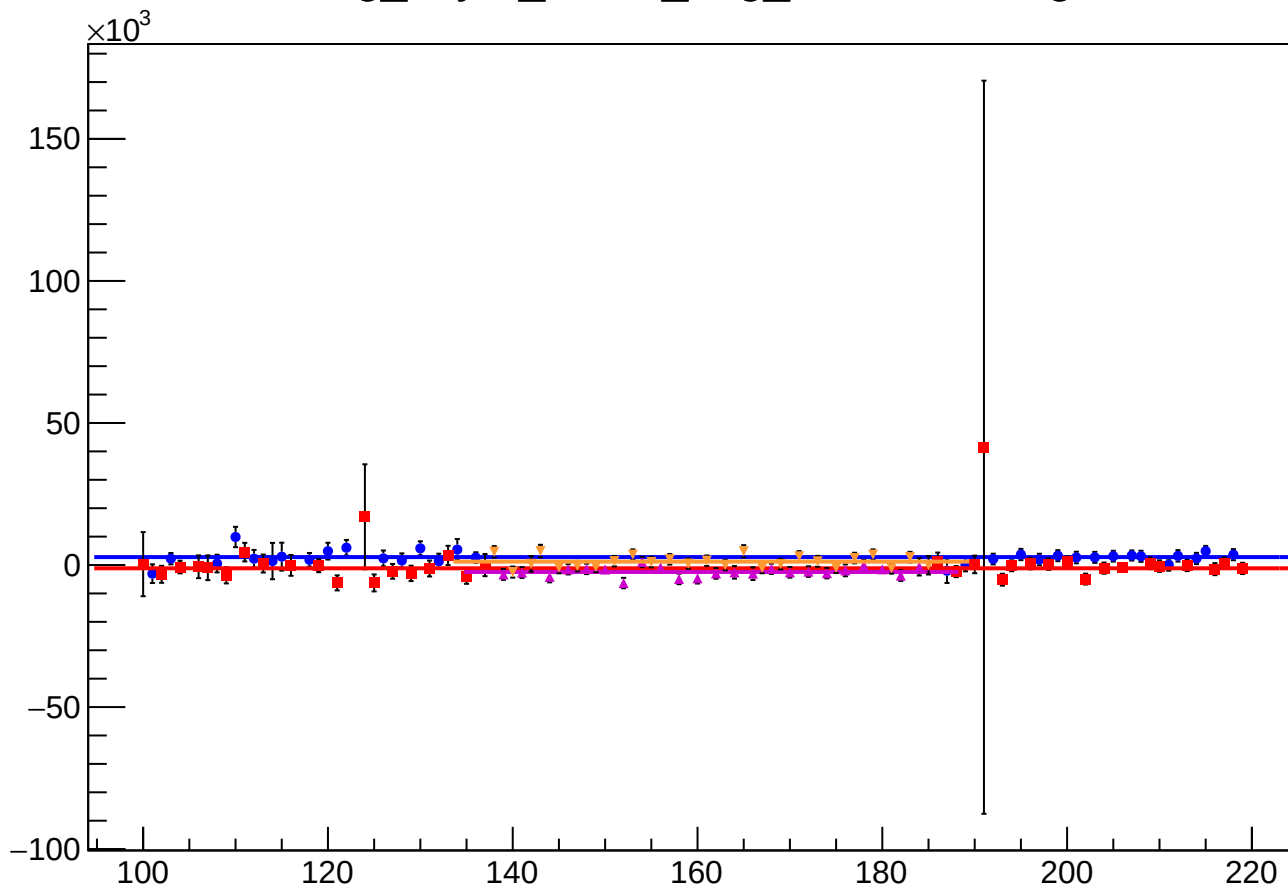
Left In: 0.000+/-0.000 χ^2/NDF : 3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 21713224.4/56

All: 0.000+/-0.000 χ^2/NDF : 42860782.1/116

- sign 0.000+/-0.000 χ^2/NDF : 21022221.8/59

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2792.740 ± 409.503 χ^2/NDF : 18.7/31

Left Out: 1202.401 ± 389.137 χ^2/NDF : 26.3/24

Right Out: -1150.591 ± 405.234 χ^2/NDF : 30.1/36

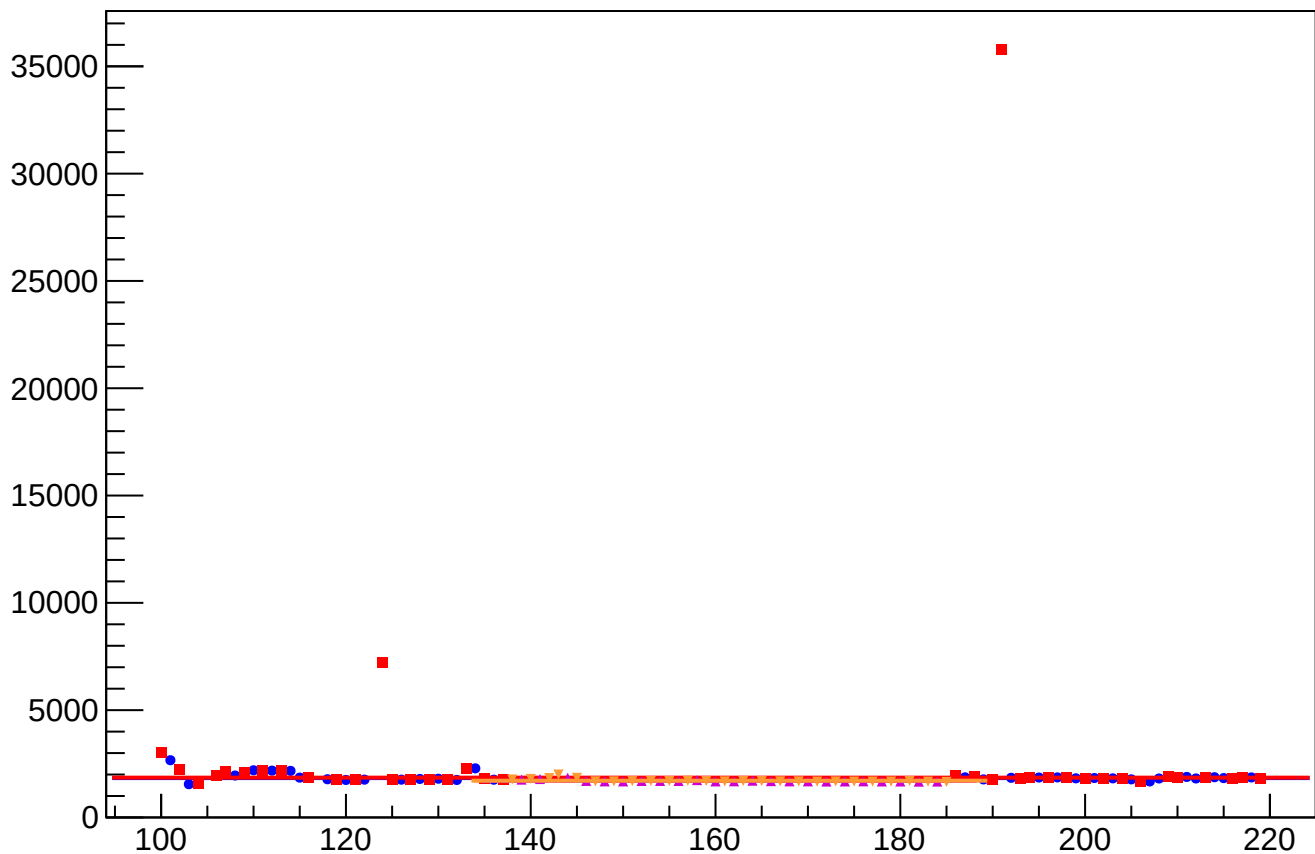
Left In: -2439.008 ± 397.969 χ^2/NDF : 17.5/22

+ sign 1957.042 ± 282.086 χ^2/NDF : 52.9/56

All: 87.621 ± 200.117 χ^2/NDF : 194.1/116

- sign -1806.452 ± 283.940 χ^2/NDF : 52.8/59

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1834.607+/-0.290 χ^2/NDF : 287423.8/31

Left Out: 1711.777+/-0.275 χ^2/NDF : 60068.7/24

Right Out: 1854.684+/-0.286 χ^2/NDF : 544522.5/36

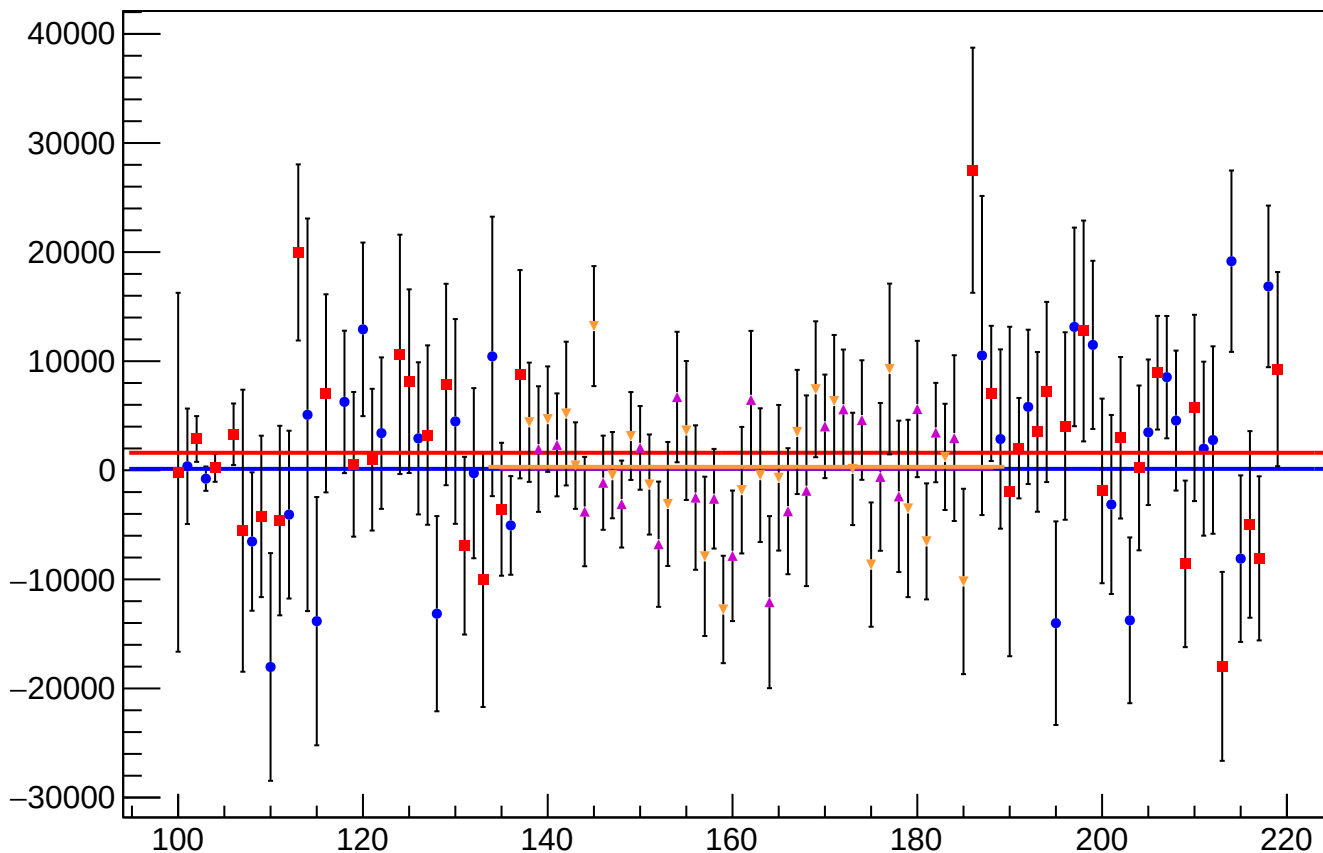
Left In: 1703.969+/-0.281 χ^2/NDF : 22568.8/22

+ sign 1770.062+/-0.199 χ^2/NDF : 442048.9/56

All: 1774.017+/-0.141 χ^2/NDF : 1150868.2/111

- sign 1778.021+/-0.201 χ^2/NDF : 708028.1/59

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: 129.110 $\pm$ 861.247 χ^2 /NDF: 40.8/31

Left Out: 314.051 $\pm$ 1091.976 χ^2 /NDF: 27.0/24

Right Out: 1604.360 $\pm$ 814.088 χ^2 /NDF: 34.4/36

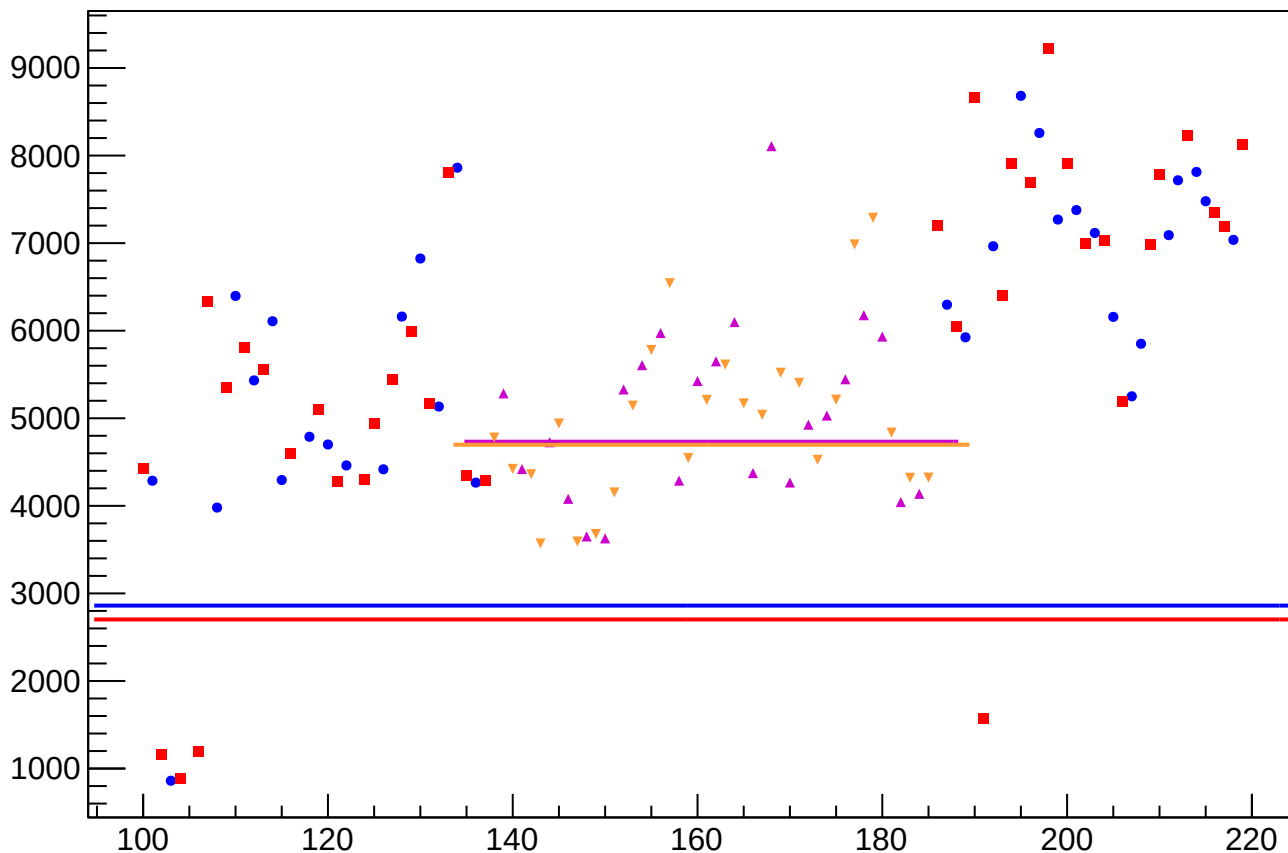
Left In: 157.968 $\pm$ 1128.443 χ^2 /NDF: 14.7/22

+ sign 200.034 $\pm$ 676.231 χ^2 /NDF: 67.8/56

All: 665.541 $\pm$ 472.403 χ^2 /NDF: 118.9/116

- sign 1109.257 $\pm$ 660.214 χ^2 /NDF: 50.2/59

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2860.697 $\pm$ 0.609 χ^2 /NDF: 17977189.9/31

Left Out: 4697.622 $\pm$ 0.772 χ^2 /NDF:1239373.0/24

Right Out: 2702.535 $\pm$ 0.576 χ^2 /NDF: 19416695.6/36

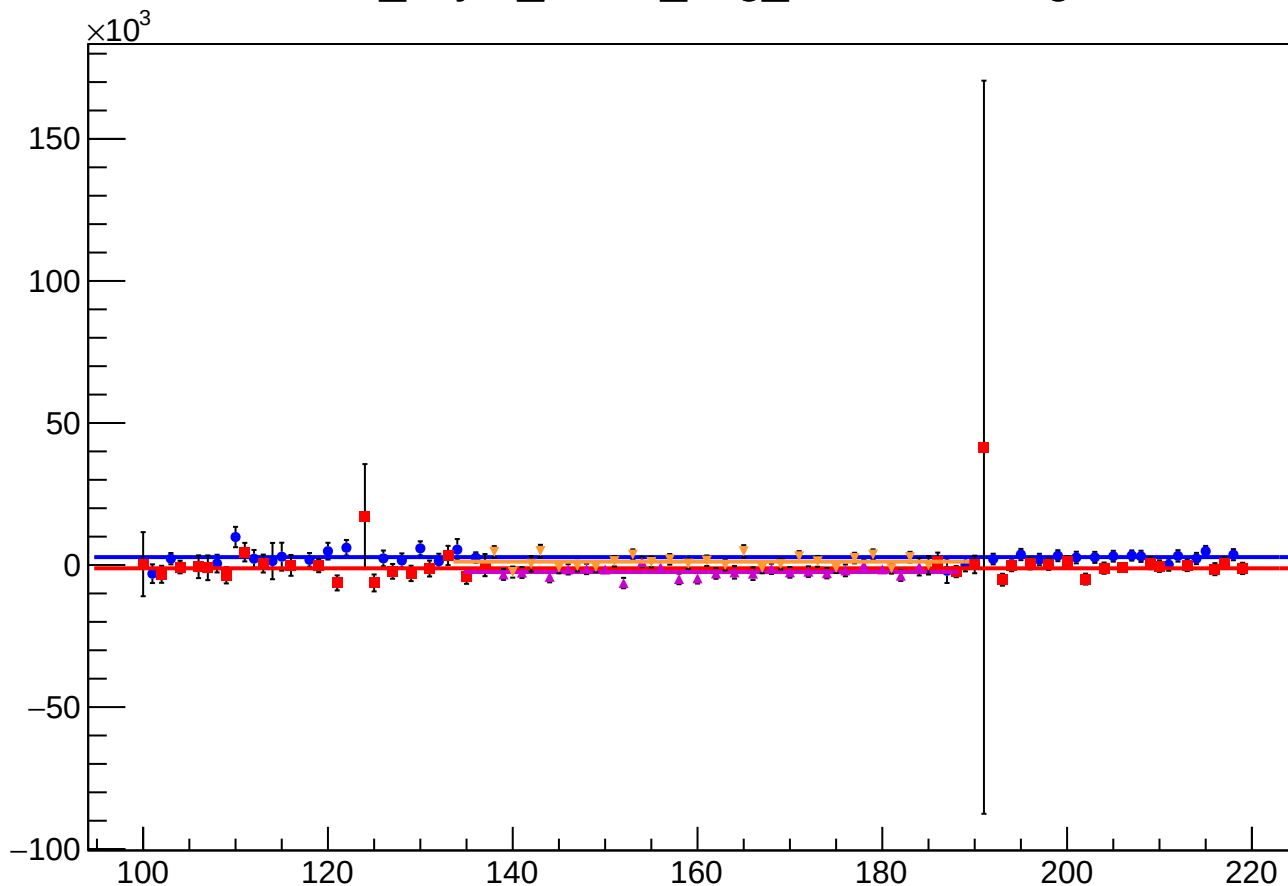
Left In: 4732.424 $\pm$ 0.798 χ^2 /NDF:1242793.9/22

+ sign 3565.155 $\pm$ 0.478 χ^2 /NDF: 22705724.5/56

All: 3479.252 $\pm$ 0.334 χ^2 /NDF: 47684645.6/100

- sign 3397.370 $\pm$ 0.467 χ^2 /NDF: 24915883.3/59

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2792.858 $\pm$ 409.503 χ^2 /NDF: 18.7/31

Left Out: 1202.304 $\pm$ 389.137 χ^2 /NDF: 26.3/24

Right Out: -1150.192 $\pm$ 405.234 χ^2 /NDF: 30.1/36

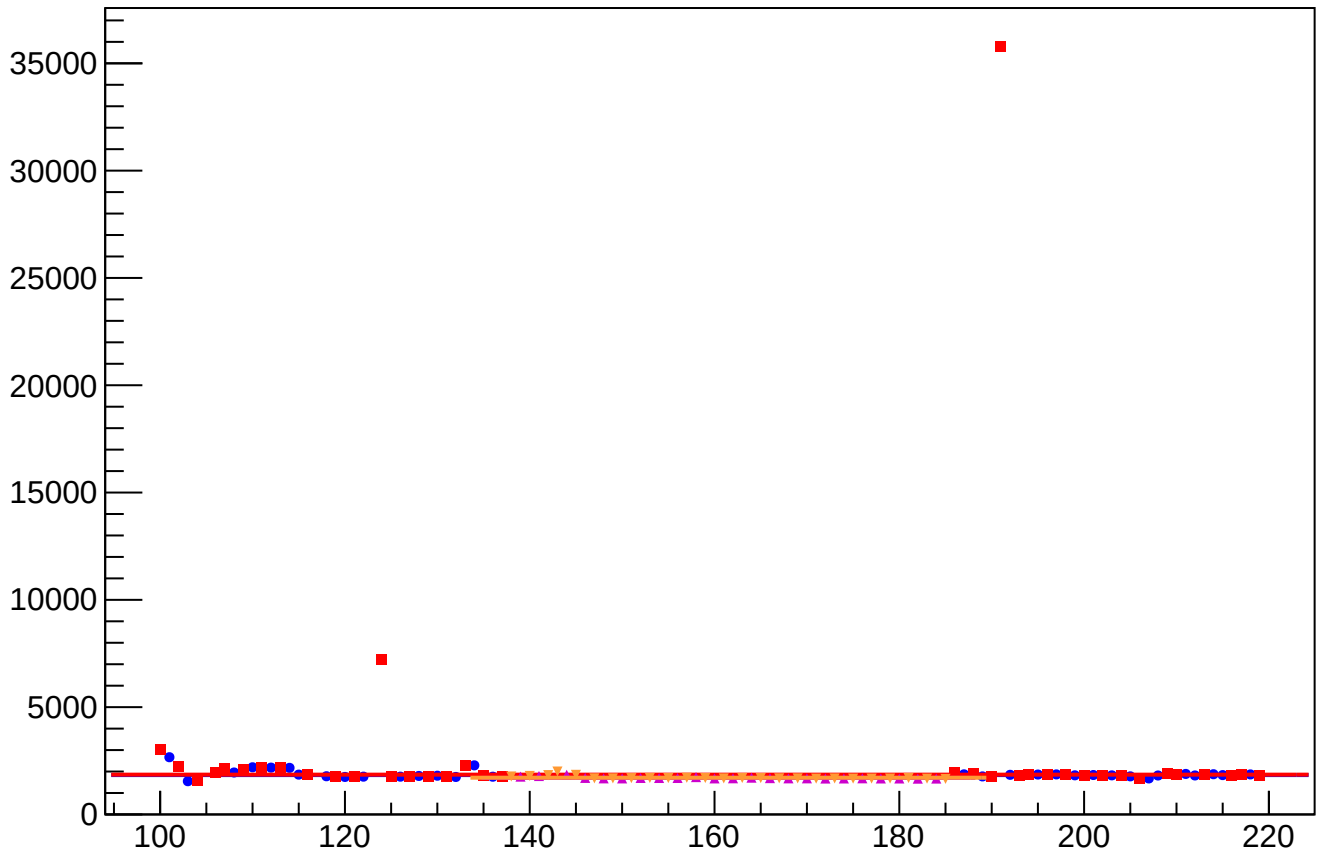
Left In: -2438.940 $\pm$ 397.969 χ^2 /NDF: 17.5/22

+ sign 1957.047 $\pm$ 282.086 χ^2 /NDF: 52.9/56

All: 87.738 $\pm$ 200.117 χ^2 /NDF: 194.1/116

- sign -1806.222 $\pm$ 283.940 χ^2 /NDF: 52.8/59

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1834.607 $\pm$ 0.290 χ^2 /NDF: 287423.7/31

Left Out: 1711.777 $\pm$ 0.275 χ^2 /NDF: 60068.7/24

Right Out: 1854.829 $\pm$ 0.286 χ^2 /NDF: 544897.8/36

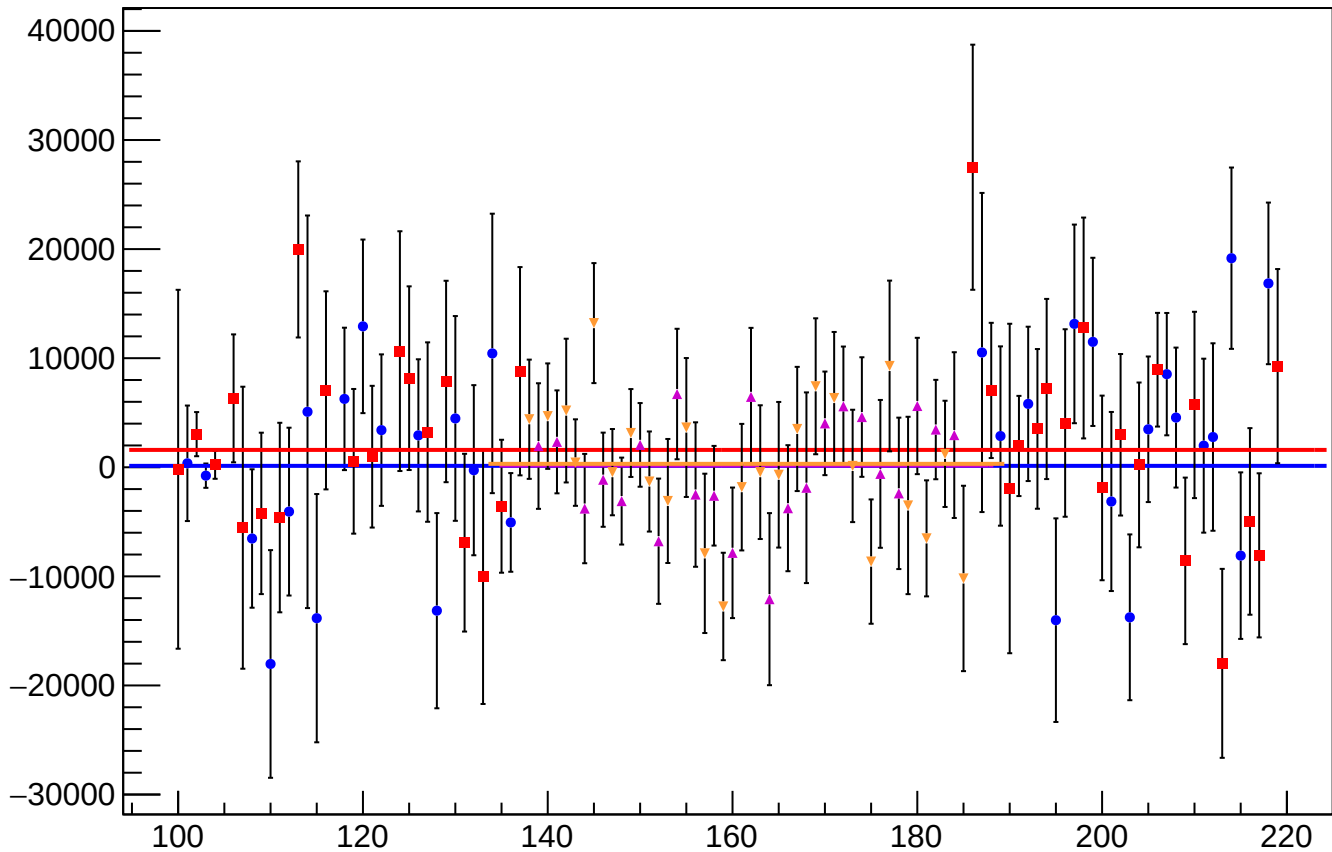
Left In: 1703.969 $\pm$ 0.281 χ^2 /NDF: 22568.8/22

+ sign 1770.062 $\pm$ 0.199 χ^2 /NDF: 442048.8/56

All: 1774.049 $\pm$ 0.141 χ^2 /NDF: 1151518.0/111

- sign 1778.087 $\pm$ 0.201 χ^2 /NDF: 708664.9/59

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: 129.423 $\pm$ 861.209 χ^2 /NDF: 40.8/31

Left Out: 314.084 $\pm$ 1091.975 χ^2 /NDF: 27.0/24

Right Out: 1591.994 $\pm$ 836.402 χ^2 /NDF: 34.8/36

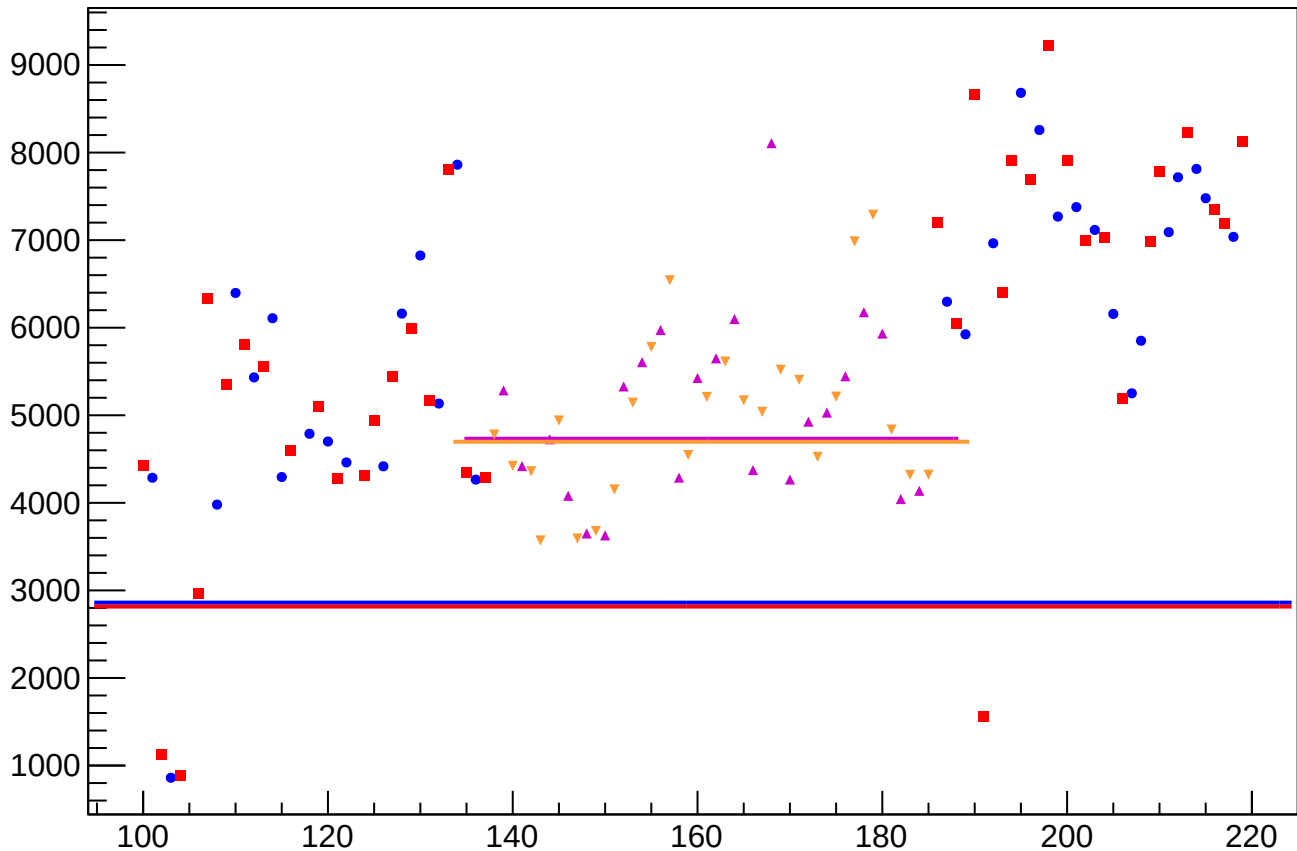
Left In: 157.977 $\pm$ 1128.443 χ^2 /NDF: 14.7/22

+ sign 200.236 $\pm$ 676.212 χ^2 /NDF: 67.8/56

All: 644.671 $\pm$ 476.640 χ^2 /NDF: 119.3/116

- sign 1083.521 $\pm$ 671.949 χ^2 /NDF: 50.6/59

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2860.486 $\pm$ 0.609 χ^2 /NDF: 17978496.2/31

Left Out: 4697.618 $\pm$ 0.772 χ^2 /NDF:1239387.1/24

Right Out: 2815.628 $\pm$ 0.591 χ^2 /NDF: 18950887.2/36

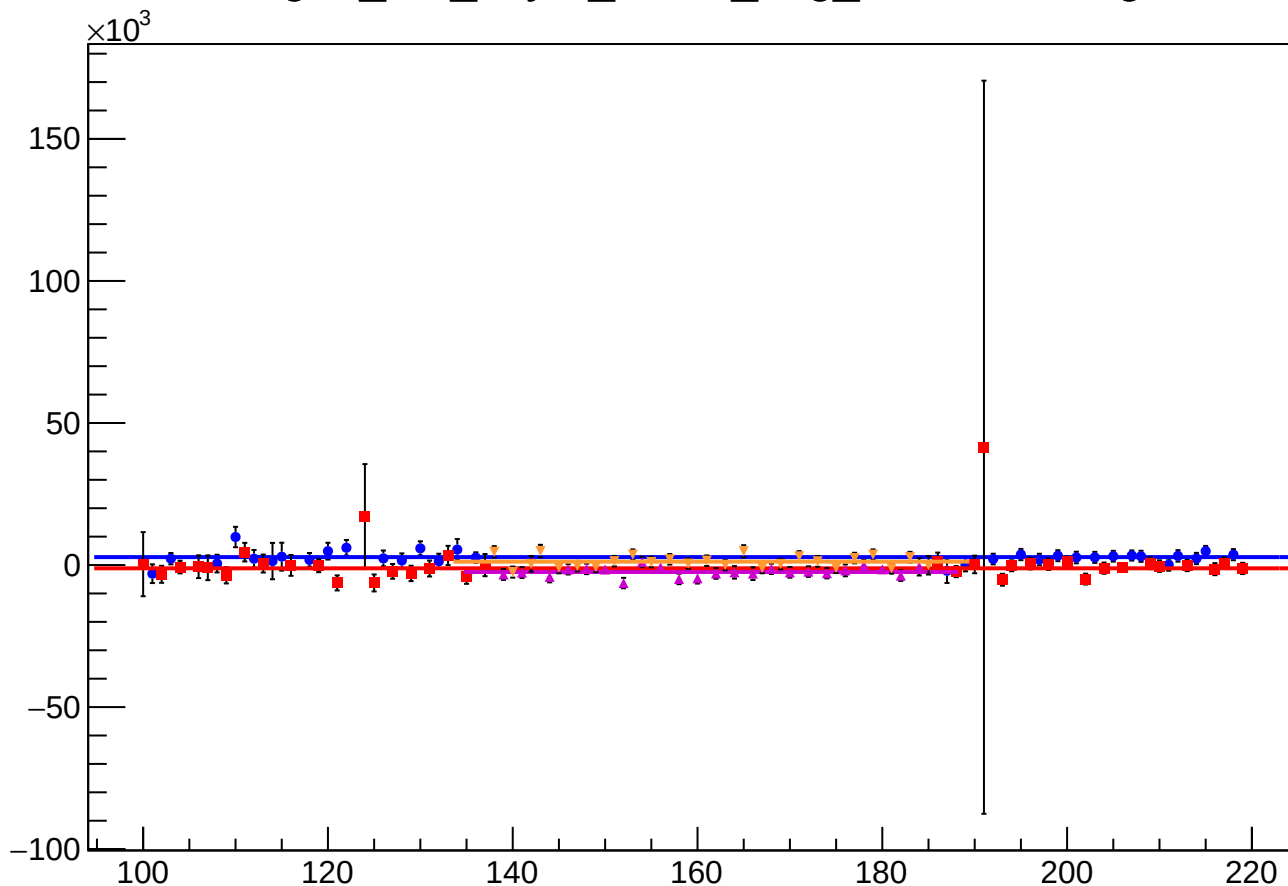
Left In: 4732.421 $\pm$ 0.798 χ^2 /NDF:1242809.3/22

+ sign 3564.985 $\pm$ 0.478 χ^2 /NDF: 22707952.2/56

All: 3529.914 $\pm$ 0.337 χ^2 /NDF: 46636806.1/100

- sign 3495.283 $\pm$ 0.475 χ^2 /NDF: 23918162.0/59

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2792.858 ± 409.503 χ^2/NDF : 18.7/31

Left Out: 1202.304 ± 389.137 χ^2/NDF : 26.3/24

Right Out: -1150.192 ± 405.234 χ^2/NDF : 30.1/36

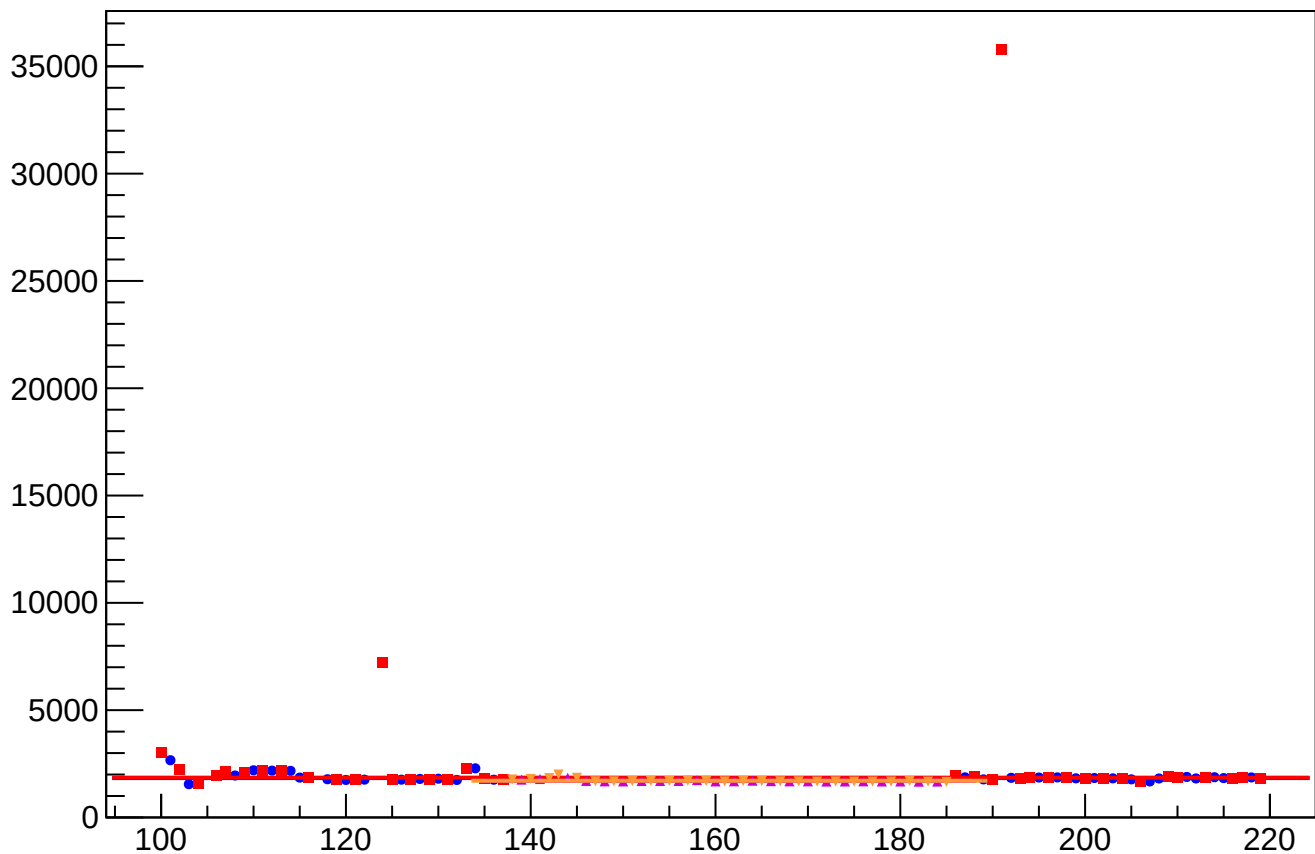
Left In: -2438.940 ± 397.969 χ^2/NDF : 17.5/22

+ sign 1957.047 ± 282.086 χ^2/NDF : 52.9/56

All: 87.738 ± 200.117 χ^2/NDF : 194.1/116

- sign -1806.222 ± 283.940 χ^2/NDF : 52.8/59

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1834.607 $\pm$ 0.290 χ^2 /NDF: 287423.7/31

Left Out: 1711.777 $\pm$ 0.275 χ^2 /NDF: 60068.7/24

Right Out: 1854.829 $\pm$ 0.286 χ^2 /NDF: 544897.8/36

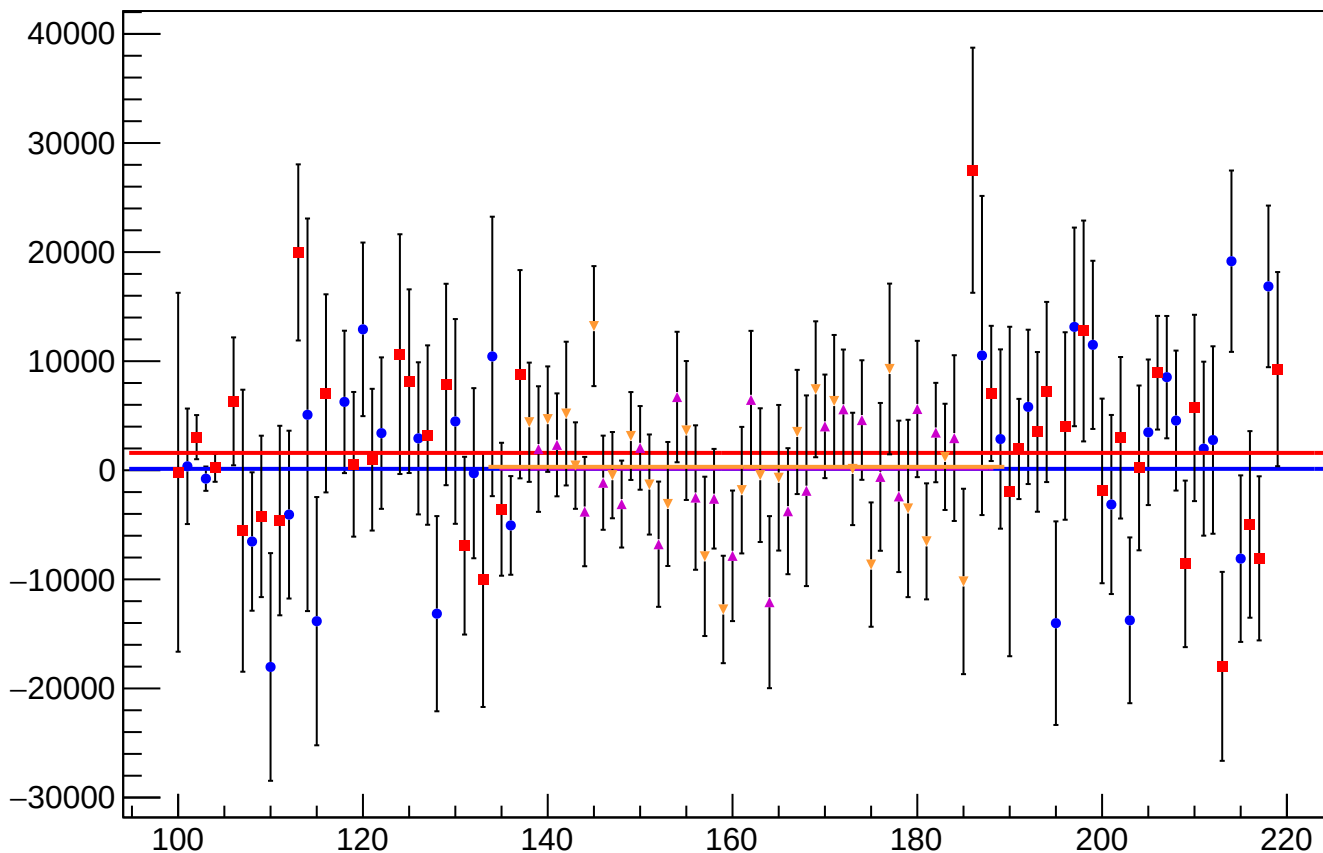
Left In: 1703.969 $\pm$ 0.281 χ^2 /NDF: 22568.8/22

+ sign 1770.062 $\pm$ 0.199 χ^2 /NDF: 442048.8/56

All: 1774.049 $\pm$ 0.141 χ^2 /NDF: 1151518.0/111

- sign 1778.087 $\pm$ 0.201 χ^2 /NDF: 708664.9/59

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: 129.423 $\pm$ 861.209 χ^2 /NDF: 40.8/31

Left Out: 314.084 $\pm$ 1091.975 χ^2 /NDF:27.0/24

Right Out: 1591.994 $\pm$ 836.402 χ^2 /NDF: 34.8/36

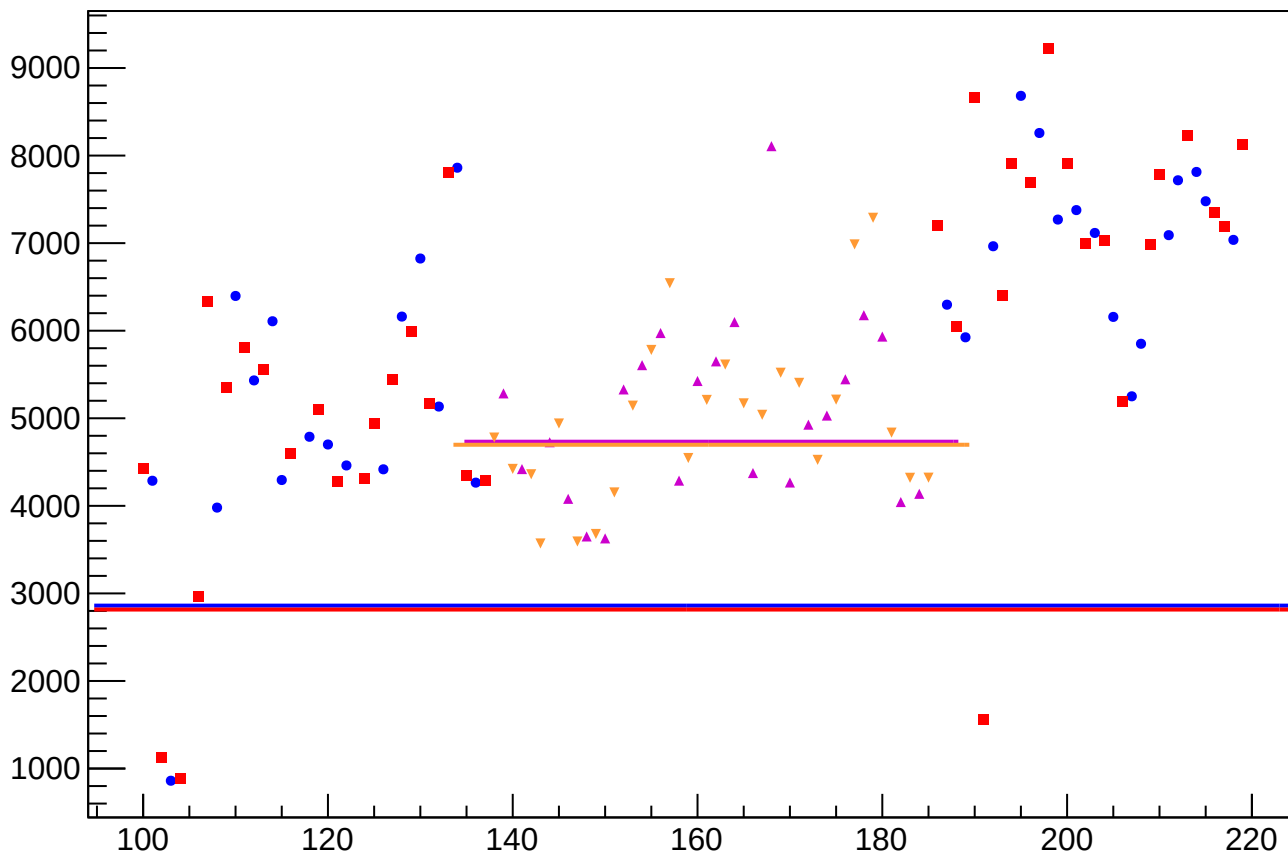
Left In: 157.977 $\pm$ 1128.443 χ^2 /NDF:14.7/22

+ sign 200.236 $\pm$ 676.212 χ^2 /NDF: 67.8/56

All: 644.671 $\pm$ 476.640 χ^2 /NDF: 119.3/116

- sign 1083.521 $\pm$ 671.949 χ^2 /NDF: 50.6/59

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 2860.486 $\pm$ 0.609 χ^2 /NDF: 17978496.2/31

Left Out: 4697.618 $\pm$ 0.772 χ^2 /NDF: 1239387.1/24

Right Out: 2815.628 $\pm$ 0.591 χ^2 /NDF: 18950887.2/36

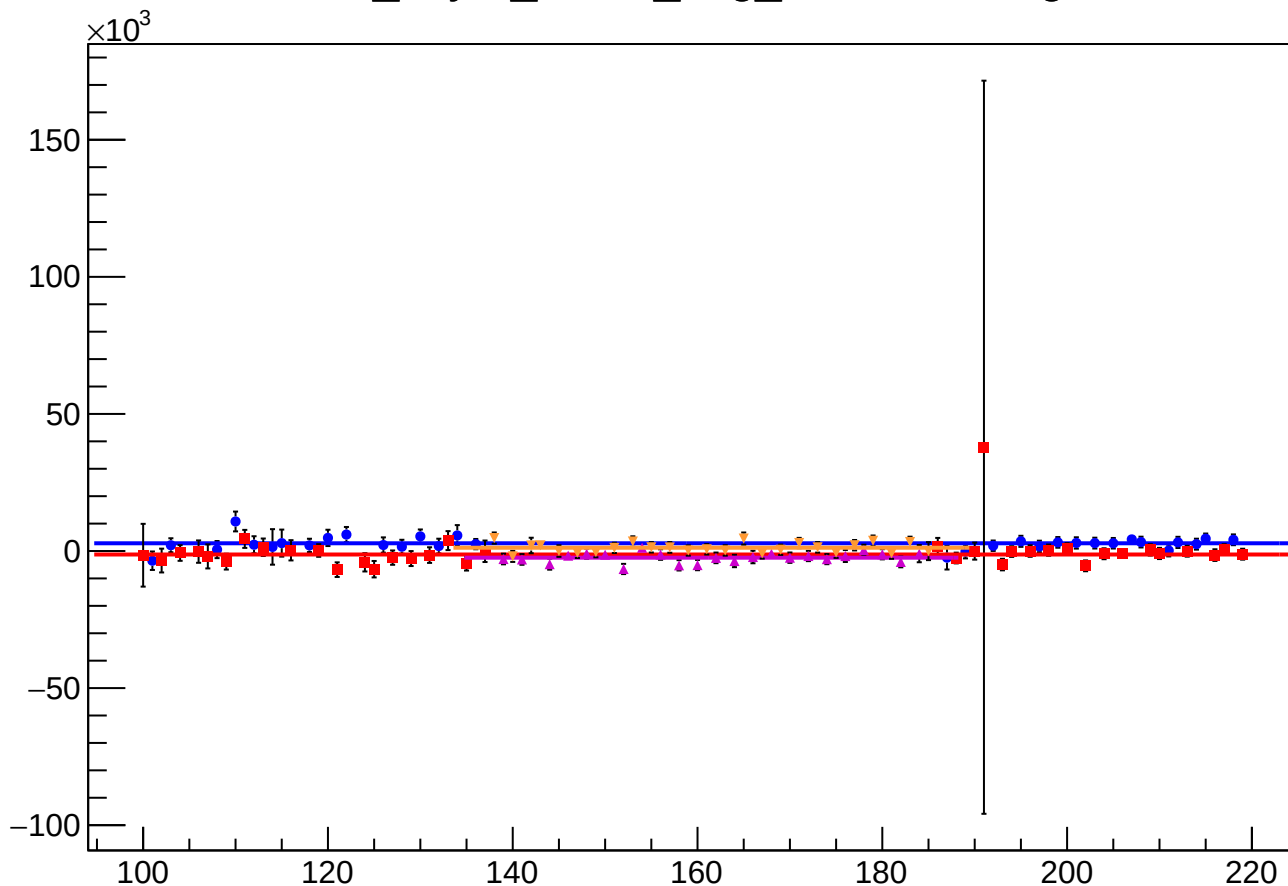
Left In: 4732.421 $\pm$ 0.798 χ^2 /NDF: 1242809.3/22

+ sign 3564.985 $\pm$ 0.478 χ^2 /NDF: 22707952.2/56

All: 3529.914 $\pm$ 0.337 χ^2 /NDF: 46636806.1/100

- sign 3495.283 $\pm$ 0.475 χ^2 /NDF: 23918162.0/59

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2822.580+/-417.268 χ^2/NDF : 20.1/31

Left Out: 1197.362+/-392.981 χ^2/NDF : 19.5/24

Right Out: -1273.085+/-411.315 χ^2/NDF : 31.7/36

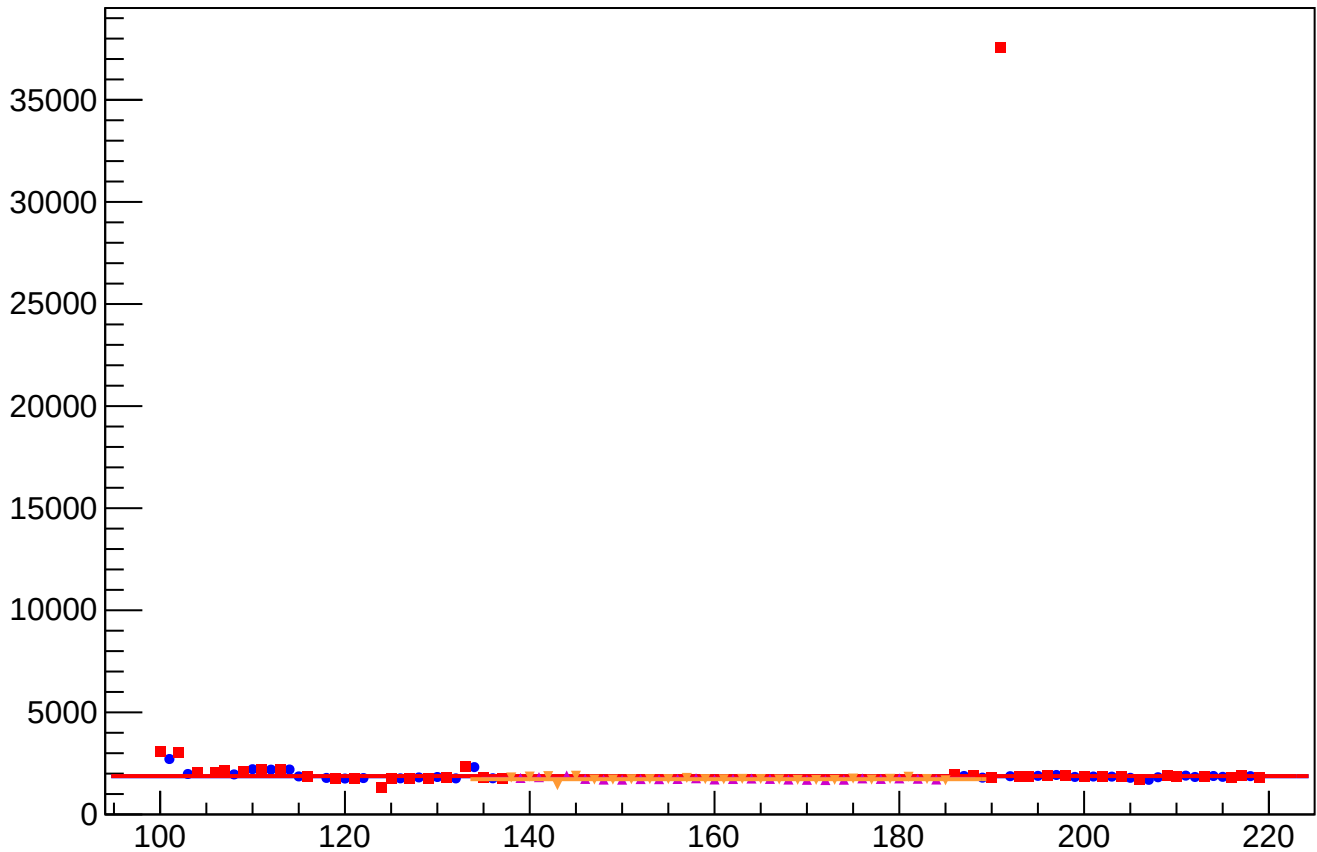
Left In: -2438.062+/-407.551 χ^2/NDF : 20.6/22

+ sign 1961.301+/-286.080 χ^2/NDF : 47.7/56

All: 72.919+/-203.489 χ^2/NDF : 192.2/116

- sign -1860.927+/-289.504 χ^2/NDF : 56.3/59

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1869.682 $\pm$ 0.295 χ^2 /NDF: 253175.6/31

Left Out: 1727.235 $\pm$ 0.278 χ^2 /NDF: 110270.9/24

Right Out: 1879.899 $\pm$ 0.291 χ^2 /NDF: 523655.8/36

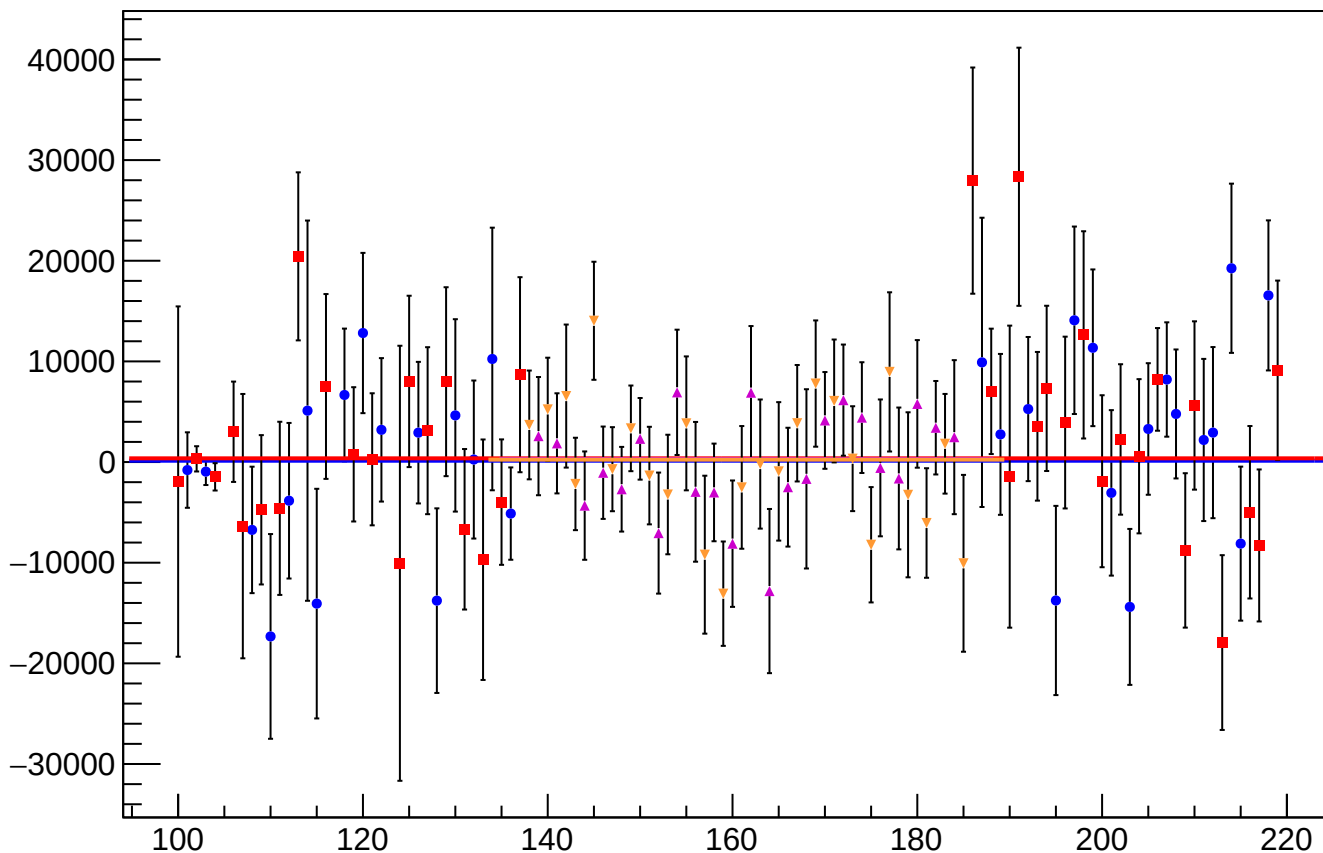
Left In: 1744.633 $\pm$ 0.288 χ^2 /NDF: 26798.0/22

+ sign 1794.192 $\pm$ 0.202 χ^2 /NDF: 486966.5/56

All: 1802.825 $\pm$ 0.144 χ^2 /NDF: 1150279.6/11

- sign 1811.662 $\pm$ 0.205 χ^2 /NDF: 659628.0/59

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: 131.944 $\pm$ 937.593 χ^2 /NDF: 40.4/31

Left Out: 241.131 $\pm$ 1140.961 χ^2 /NDF:26.7/24

Right Out: 368.518 $\pm$ 765.175 χ^2 /NDF: 40.0/36

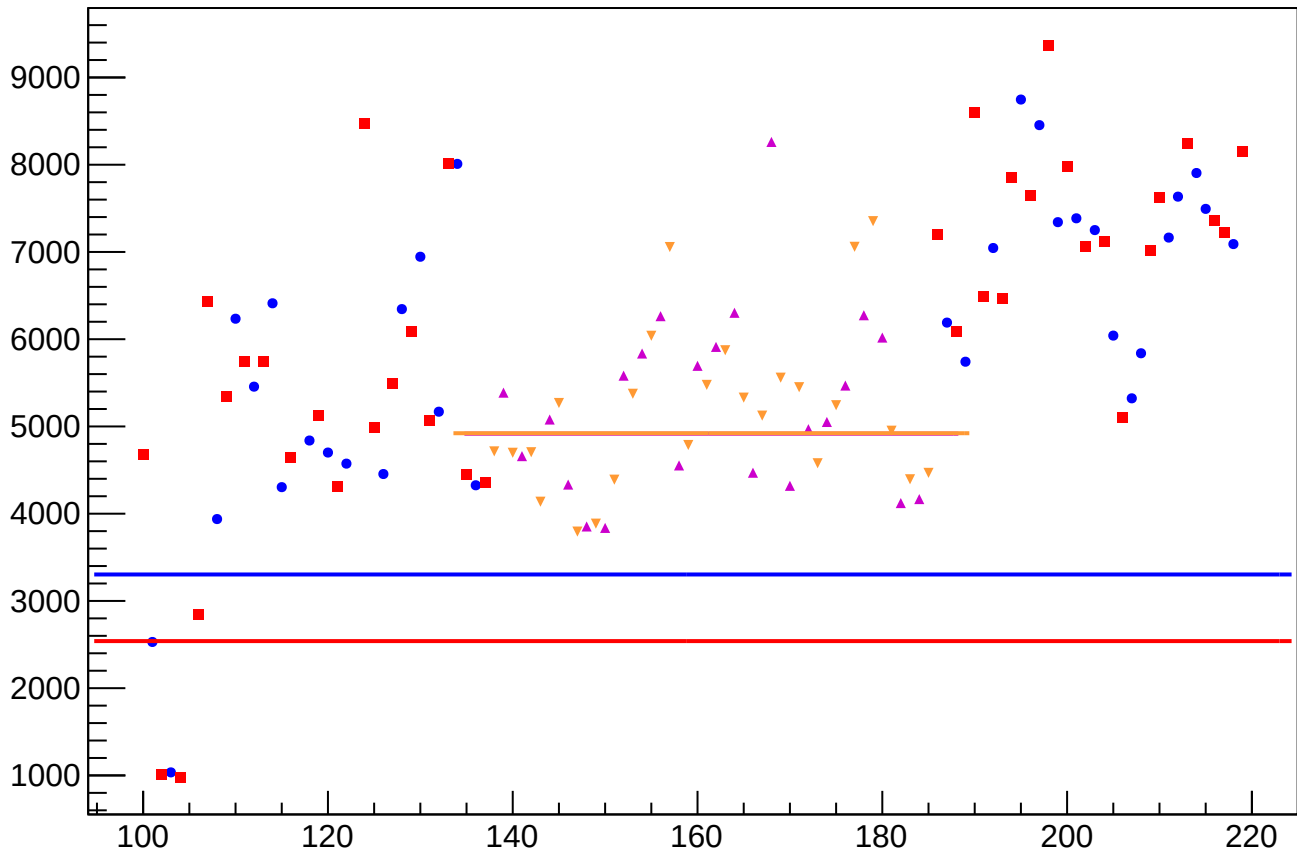
Left In: 306.106 $\pm$ 1171.019 χ^2 /NDF:14.5/22

+ sign 175.956 $\pm$ 724.386 χ^2 /NDF: 67.2/56

All: 273.540 $\pm$ 479.853 χ^2 /NDF: 121.7/116

- sign 349.843 $\pm$ 640.551 χ^2 /NDF: 54.5/59

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 3303.322+/-0.663 χ^2/NDF : 14838780.6/31

Left Out: 4922.380+/-0.807 χ^2/NDF :1050408.0/24

Right Out: 2539.700+/-0.541 χ^2/NDF : 20746438.6/36

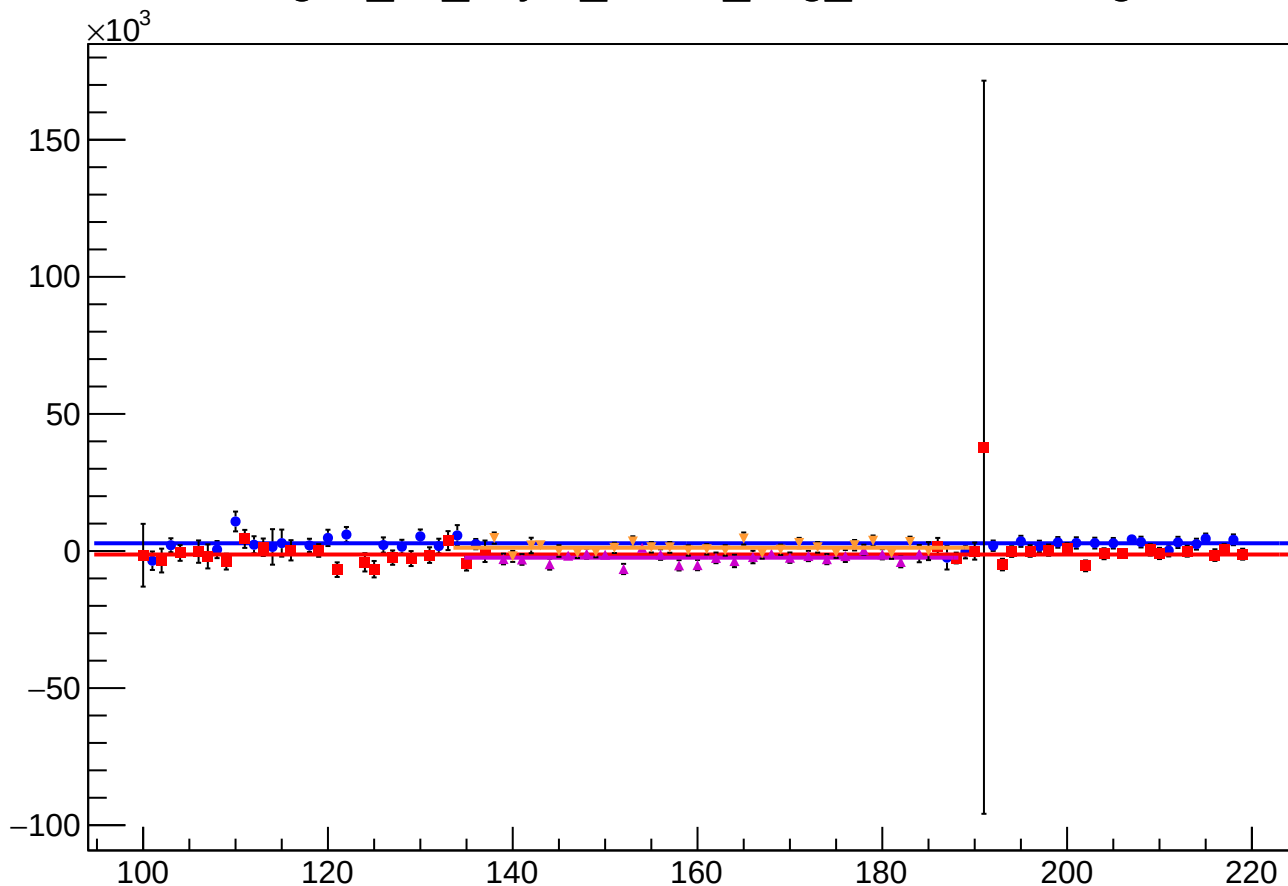
Left In: 4916.964+/-0.828 χ^2/NDF :1161642.5/22

+ sign 3955.943+/-0.512 χ^2/NDF : 18293133.9/56

All: 3560.341+/-0.339 χ^2/NDF : 47040343.3/1

- sign 3251.008+/-0.453 χ^2/NDF : 27684296.2/59

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2822.572 ± 417.267 χ^2/NDF : 20.1/31

Left Out: 1197.356 ± 392.981 χ^2/NDF : 19.5/24

Right Out: -1273.087 ± 411.314 χ^2/NDF : 31.7/36

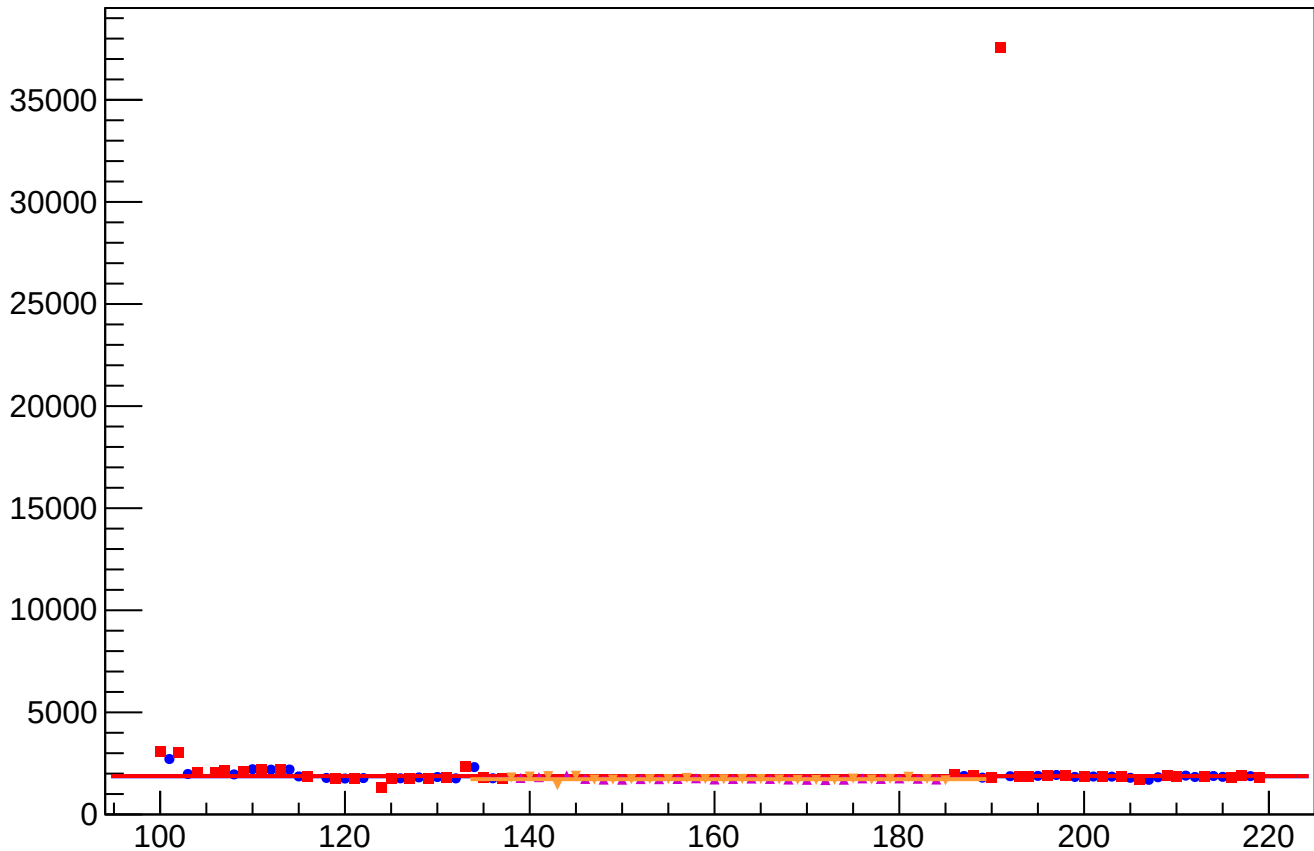
Left In: -2438.062 ± 407.552 χ^2/NDF : 20.6/22

+ sign 1961.294 ± 286.080 χ^2/NDF : 47.7/56

All: 72.915 ± 203.489 χ^2/NDF : 192.2/116

- sign -1860.928 ± 289.504 χ^2/NDF : 56.3/59

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1869.681 $\pm$ 0.295 χ^2 /NDF: 253175.6/31

Left Out: 1727.236 $\pm$ 0.278 χ^2 /NDF: 110269.9/24

Right Out: 1879.899 $\pm$ 0.291 χ^2 /NDF: 523654.6/36

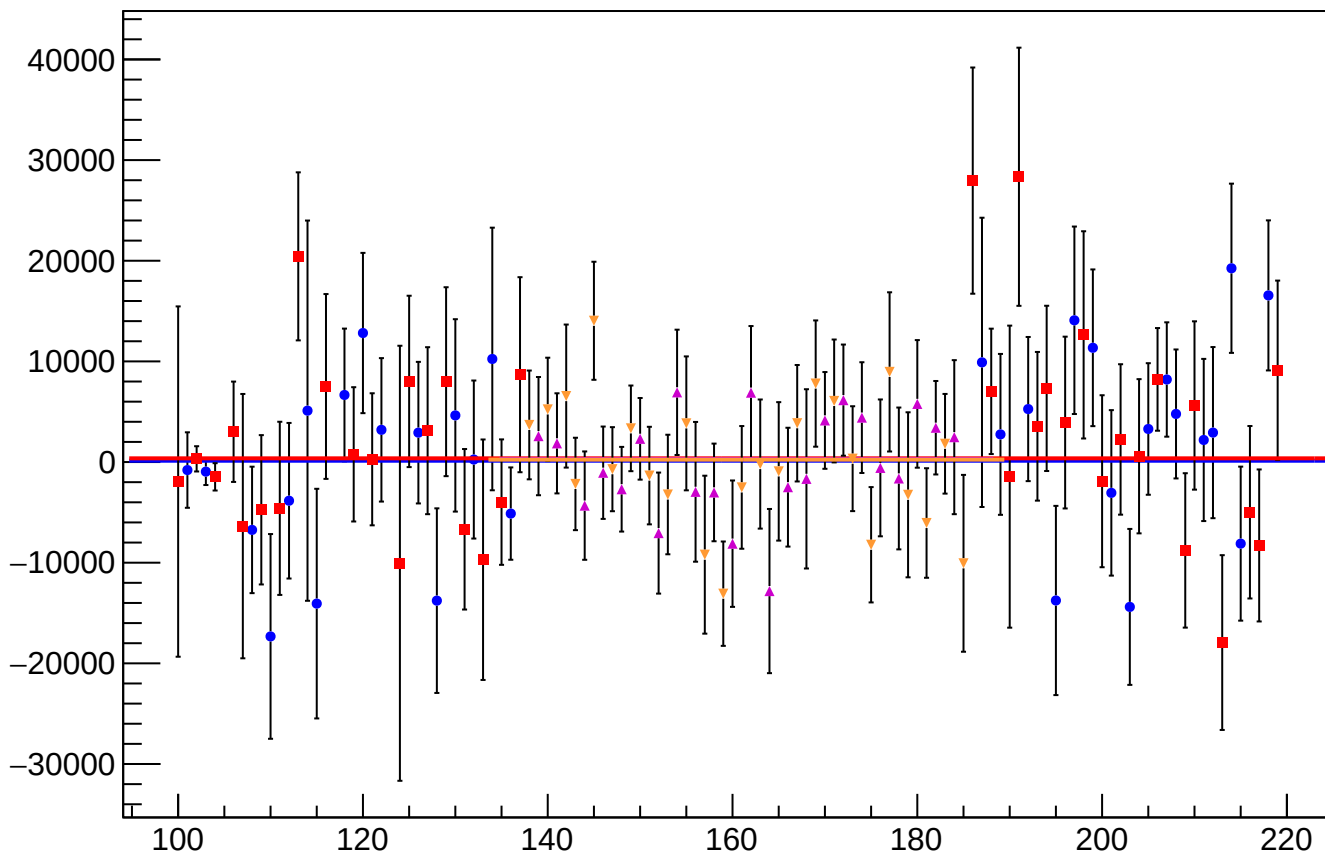
Left In: 1744.633 $\pm$ 0.288 χ^2 /NDF: 26798.0/22

+ sign 1794.193 $\pm$ 0.202 χ^2 /NDF: 486963.5/56

All: 1802.825 $\pm$ 0.144 χ^2 /NDF: 1150274.0/11

- sign 1811.662 $\pm$ 0.205 χ^2 /NDF: 659625.3/59

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: 131.944 $\pm$ 937.593 χ^2 /NDF: 40.4/31

Left Out: 241.128 $\pm$ 1140.962 χ^2 /NDF:26.7/24

Right Out: 368.521 $\pm$ 765.175 χ^2 /NDF: 40.0/36

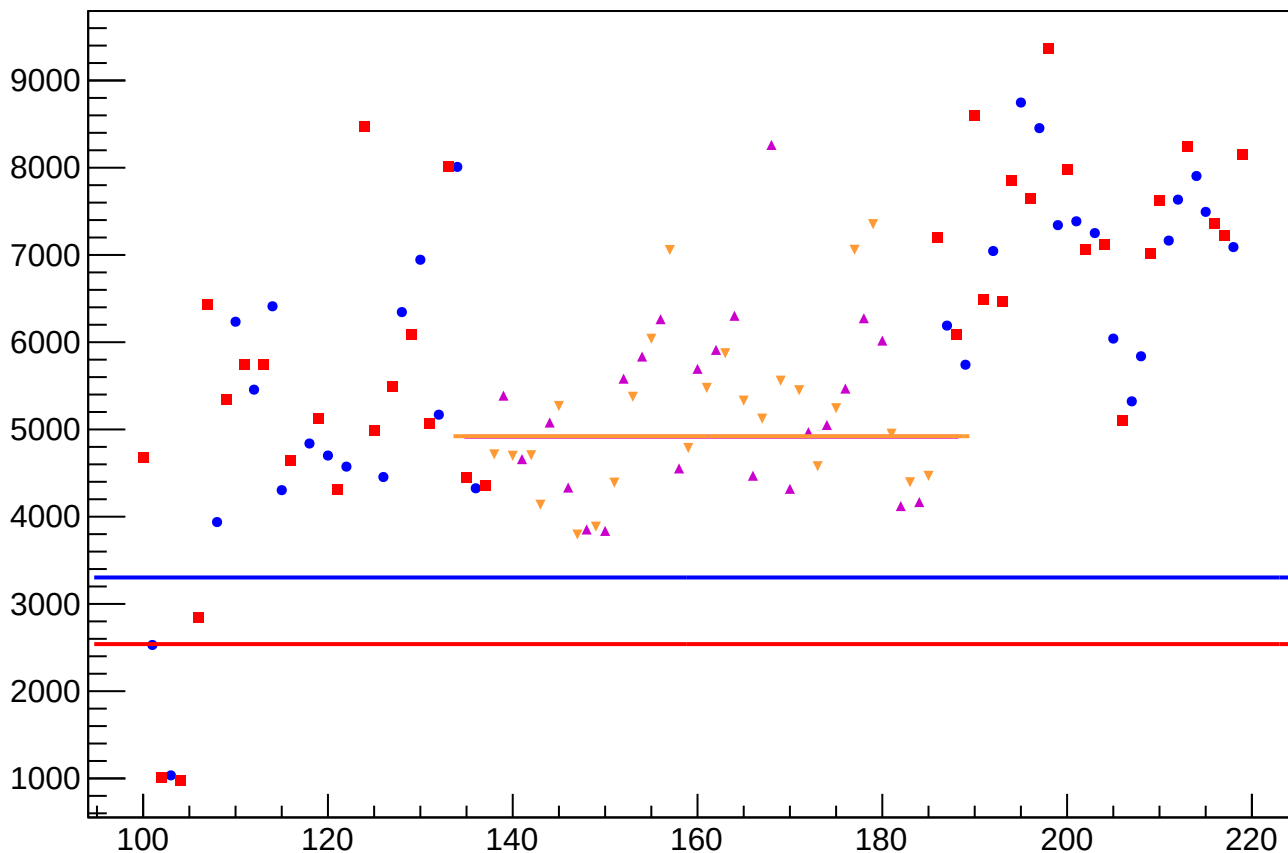
Left In: 306.109 $\pm$ 1171.021 χ^2 /NDF:14.5/22

+ sign 175.955 $\pm$ 724.386 χ^2 /NDF: 67.2/56

All: 273.541 $\pm$ 479.854 χ^2 /NDF: 121.7/116

- sign 349.846 $\pm$ 640.551 χ^2 /NDF: 54.5/59

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 3303.320+/-0.663 χ^2/NDF : 14838793.3/31

Left Out: 4922.388+/-0.807 χ^2/NDF : 1050409.4/24

Right Out: 2539.698+/-0.541 χ^2/NDF : 20746446.0/36

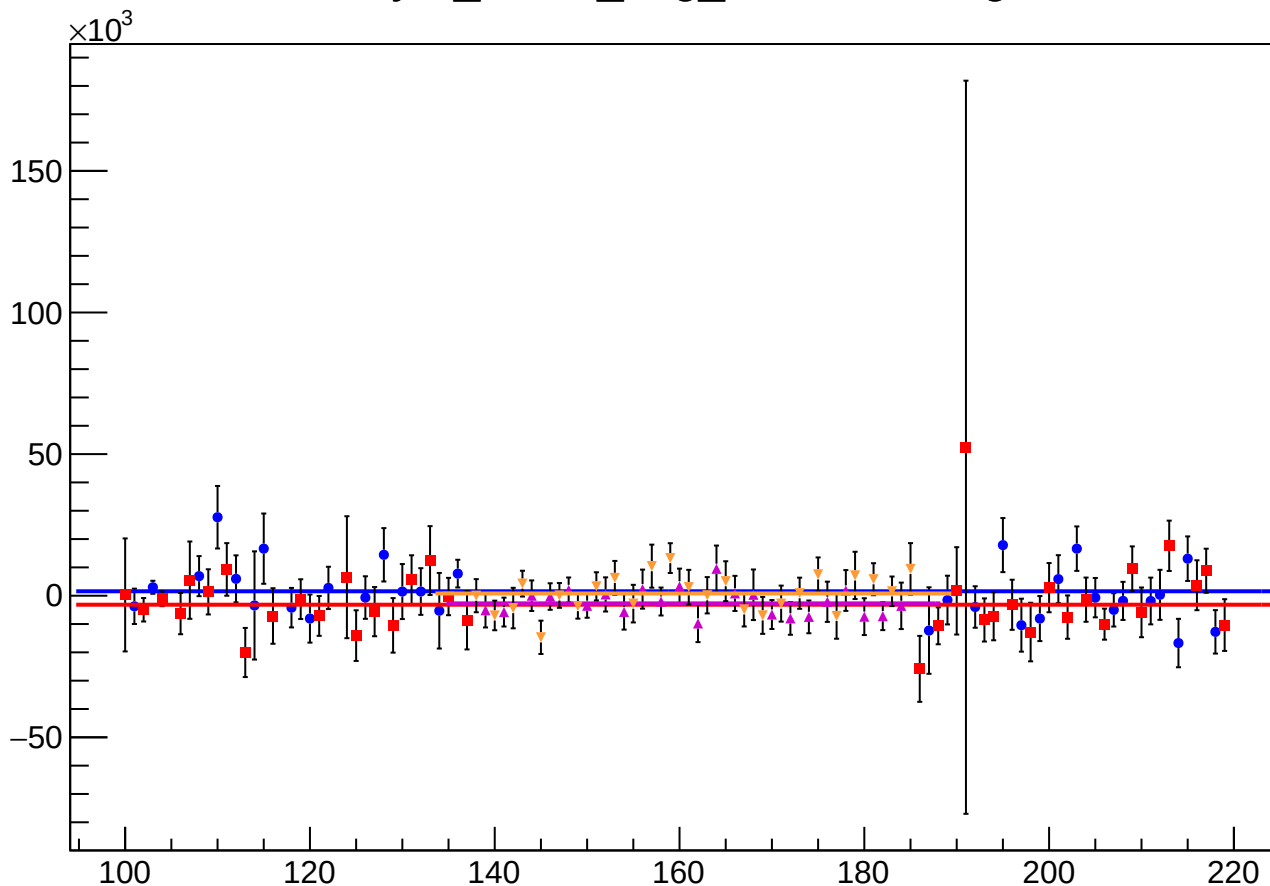
Left In: 4916.972+/-0.828 χ^2/NDF : 1161645.9/22

+ sign 3955.944+/-0.512 χ^2/NDF : 18293174.1/56

All: 3560.341+/-0.339 χ^2/NDF : 47040429.8/100

- sign 3251.007+/-0.453 χ^2/NDF : 27684339.6/59

asym_atl1r2_avg_mean vs Slug



Right In: 1566.440 ± 1219.001 χ^2/NDF : 38.4/31

Left Out: 787.965 ± 1171.964 χ^2/NDF : 27.6/24

Right Out: -3174.479 ± 1224.858 χ^2/NDF : 34.6/36

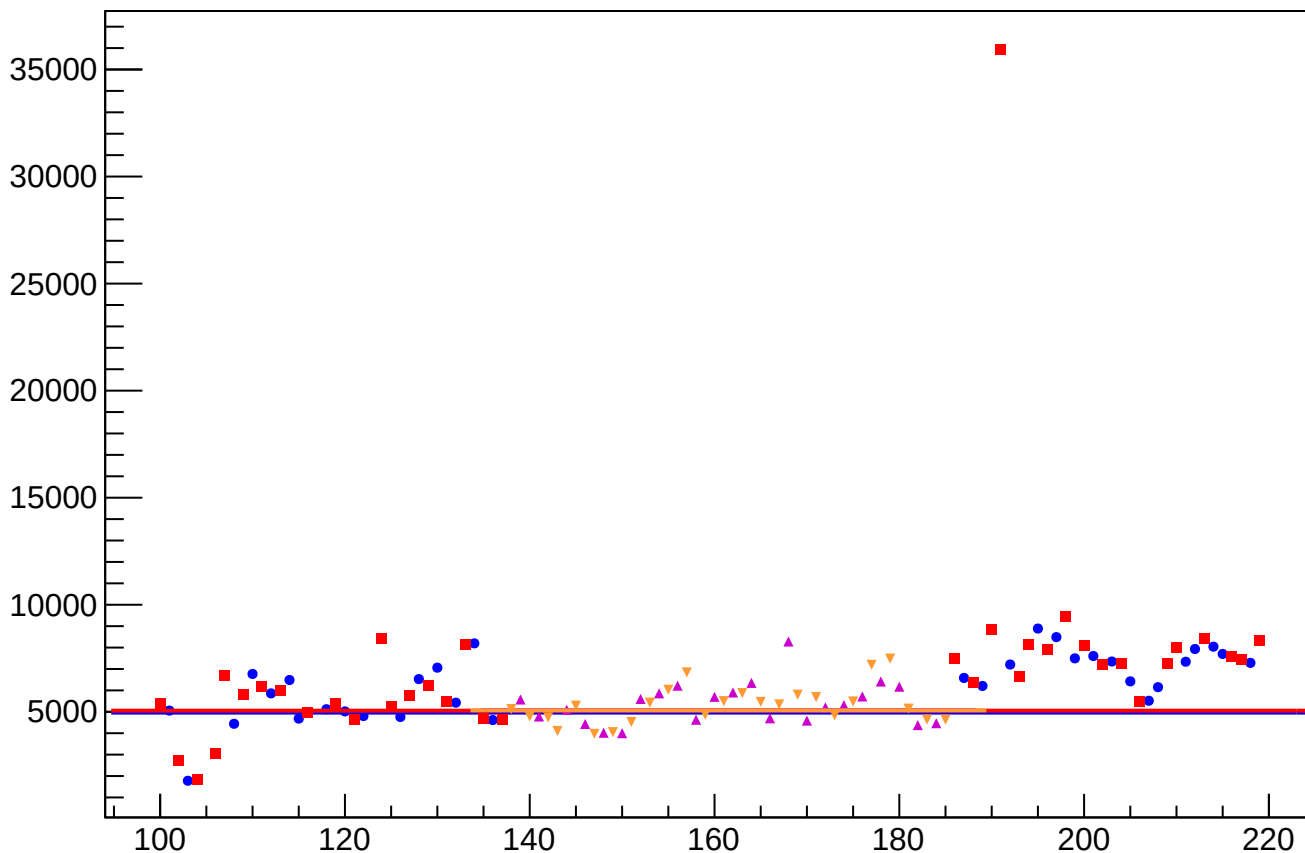
Left In: -2705.532 ± 1206.281 χ^2/NDF : 11.9/22

+ sign 1161.894 ± 844.843 χ^2/NDF : 66.2/56

All: -852.113 ± 602.496 χ^2/NDF : 124.4/116

- sign -2936.422 ± 859.462 χ^2/NDF : 46.6/59

asym_atl1r2_avg_rms vs Slug



Right In: 4963.016+/-0.862 χ^2/NDF : 6951547.6/31

Left Out: 5067.898+/-0.829 χ^2/NDF : 954253.8/24

Right Out: 5052.664+/-0.861 χ^2/NDF : 7415343.4/36

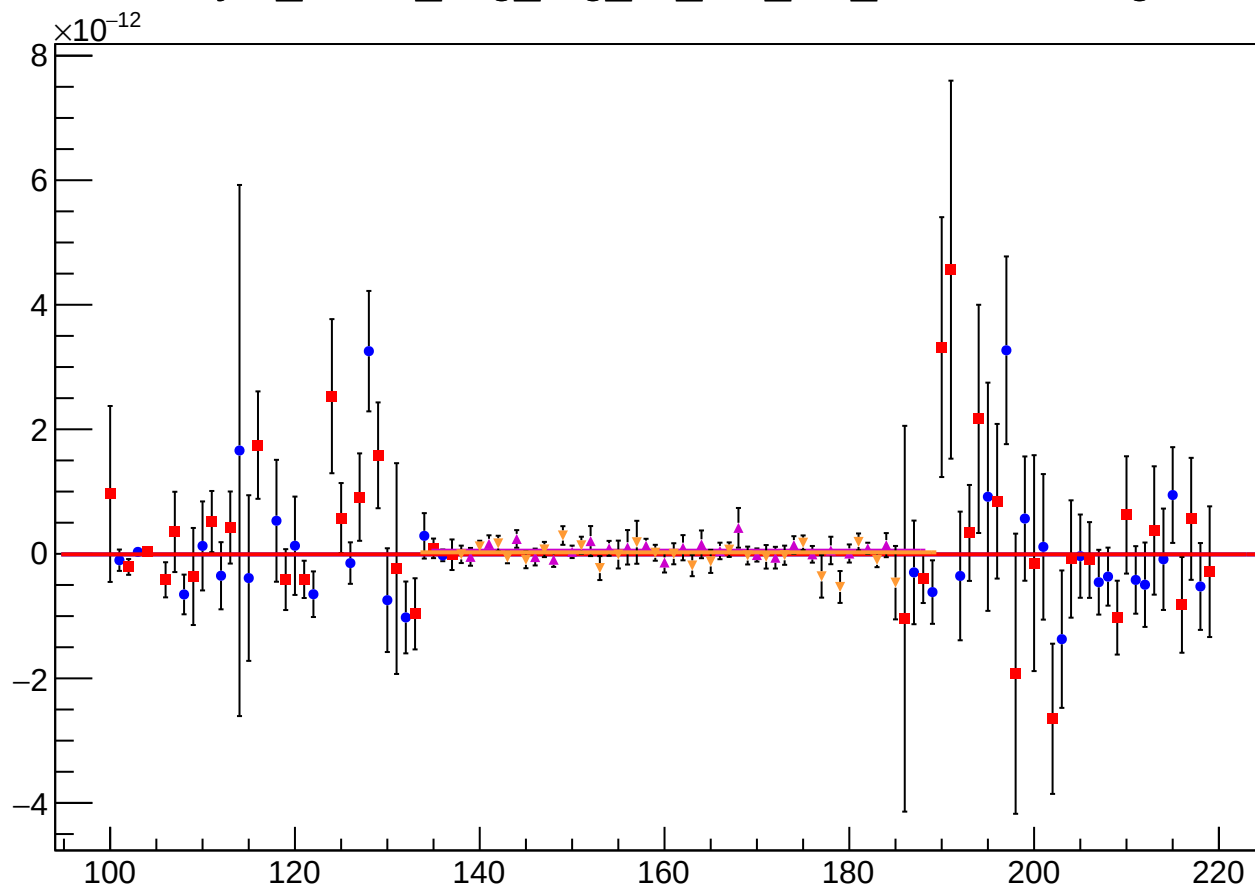
Left In: 5079.715+/-0.853 χ^2/NDF : 1001241.5/22

+ sign 5017.519+/-0.597 χ^2/NDF : 7913495.3/56

All: 5041.572+/-0.425 χ^2/NDF : 16333866.9/100

- sign 5066.311+/-0.606 χ^2/NDF : 8417083.2/59

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 38.4/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 23.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 46.9/36

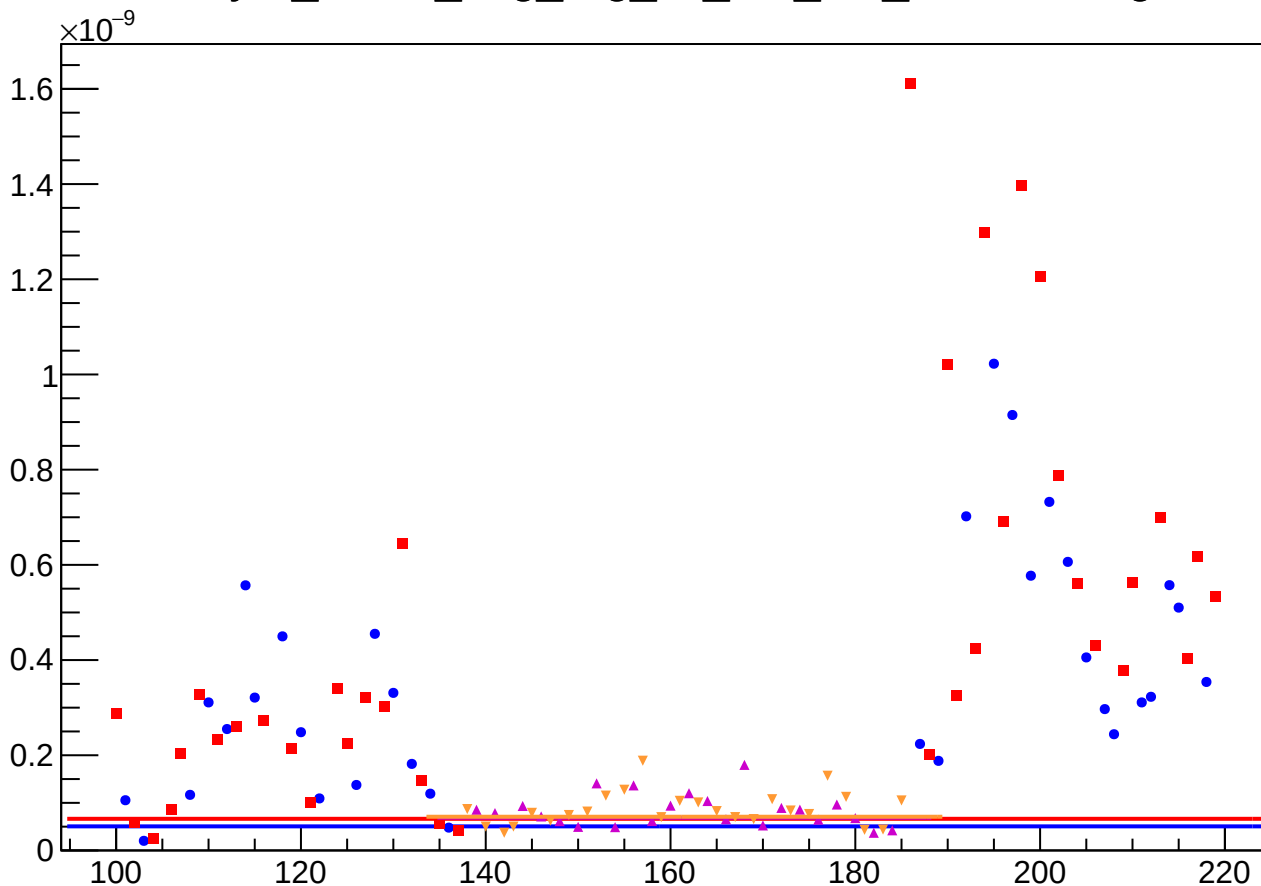
Left In: 0.000 ± 0.000 χ^2/NDF : 11.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 62.6/56

All: 0.000 ± 0.000 χ^2/NDF : 122.2/116

- sign 0.000 ± 0.000 χ^2/NDF : 59.1/59

asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 11393977.4/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1489228.5/24

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 13272333.7/56

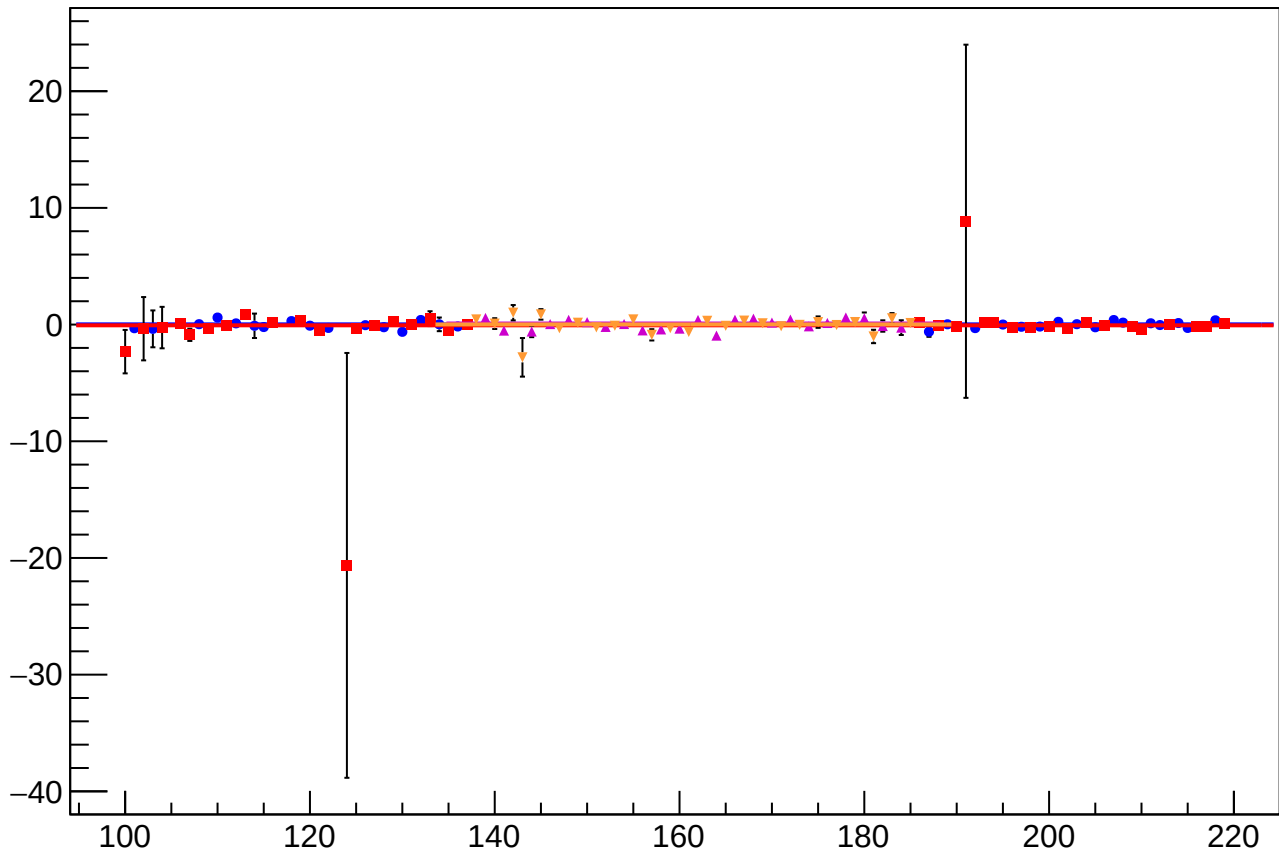
Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 13040679.1/36

All: 0.000 $\pm$ 0.000 χ^2/NDF : 27800761.1/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 14476875.1/59

Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1432116.0/22

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.018 ± 0.045 χ^2/NDF : 32.7/31

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.063 ± 0.041 χ^2/NDF : 33.9/36

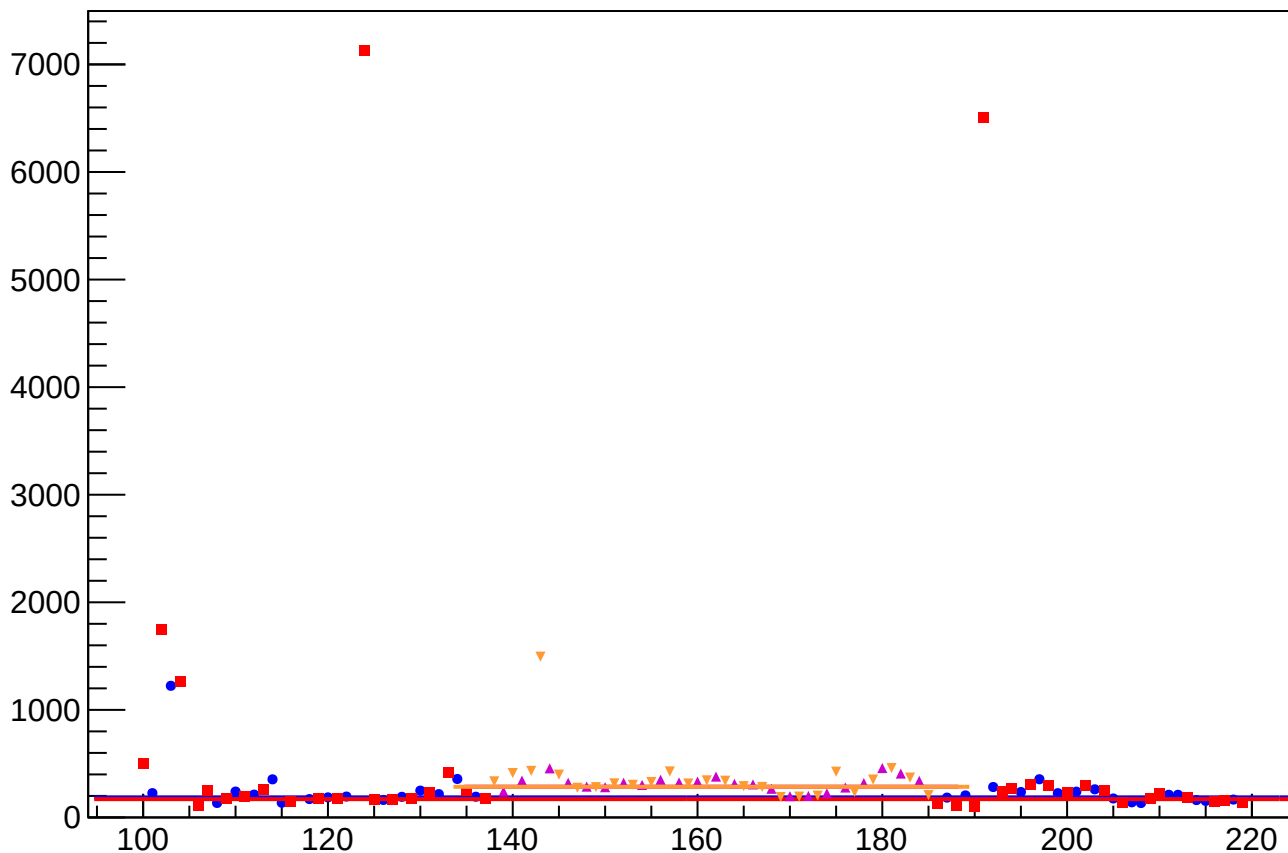
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign 0.017 ± 0.038 χ^2/NDF : 61.0/56

All: -0.005 ± 0.026 χ^2/NDF : 130.0/116

- sign -0.024 ± 0.036 χ^2/NDF : 68.3/59

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 186.854 $\pm$ 0.032 χ^2 /NDF: 2914302.9/31

Left Out: 285.036 $\pm$ 0.049 χ^2 /NDF: 3407001.6/24

Right Out: 170.234 $\pm$ 0.029 χ^2 /NDF: 5620424.0/36

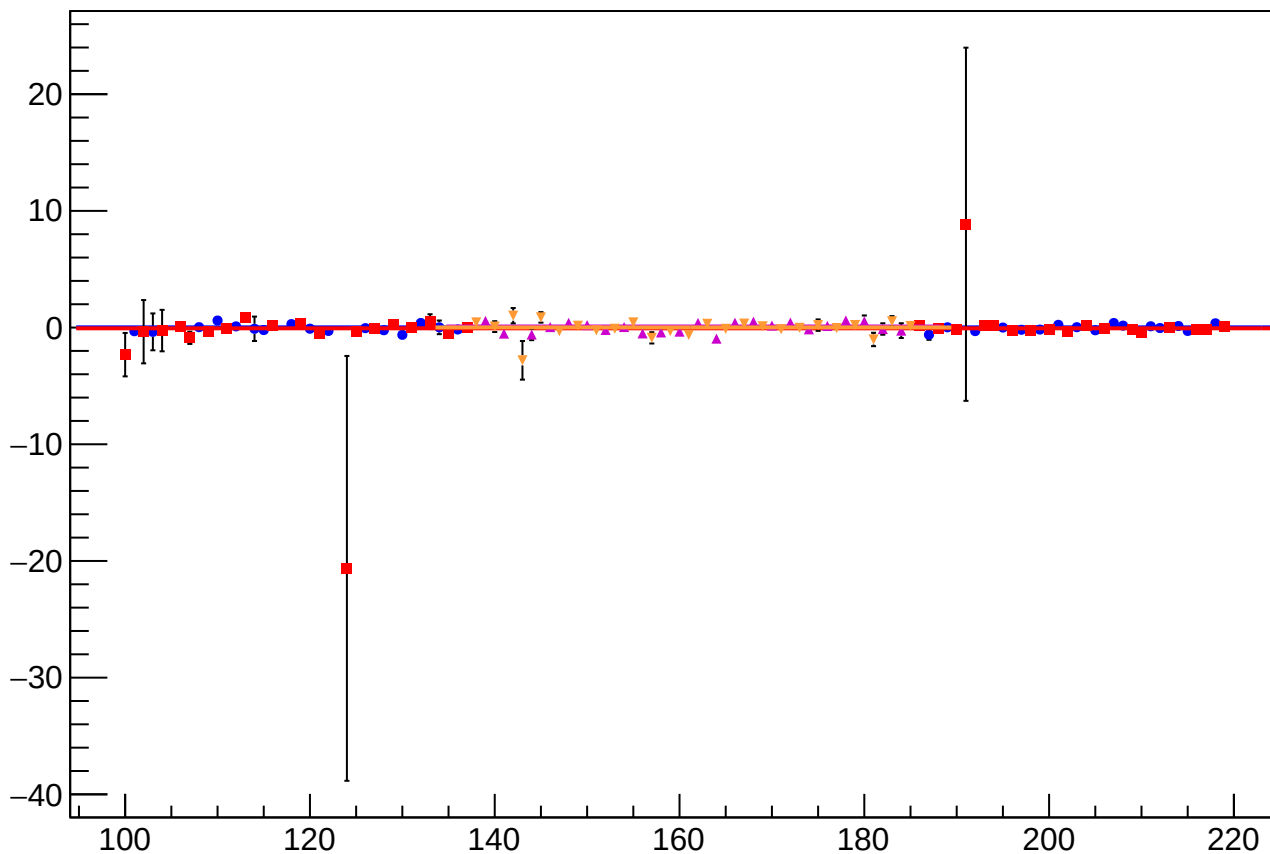
Left In: 285.869 $\pm$ 0.050 χ^2 /NDF: 1744706.1/22

+ sign 215.440 $\pm$ 0.027 χ^2 /NDF: 9124665.0/56

All: 207.128 $\pm$ 0.018 χ^2 /NDF: 20691740.5/11

- sign 199.723 $\pm$ 0.025 χ^2 /NDF: 11382984.9/59

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018 ± 0.045 χ^2/NDF : 32.7/31

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.063 ± 0.041 χ^2/NDF : 33.9/36

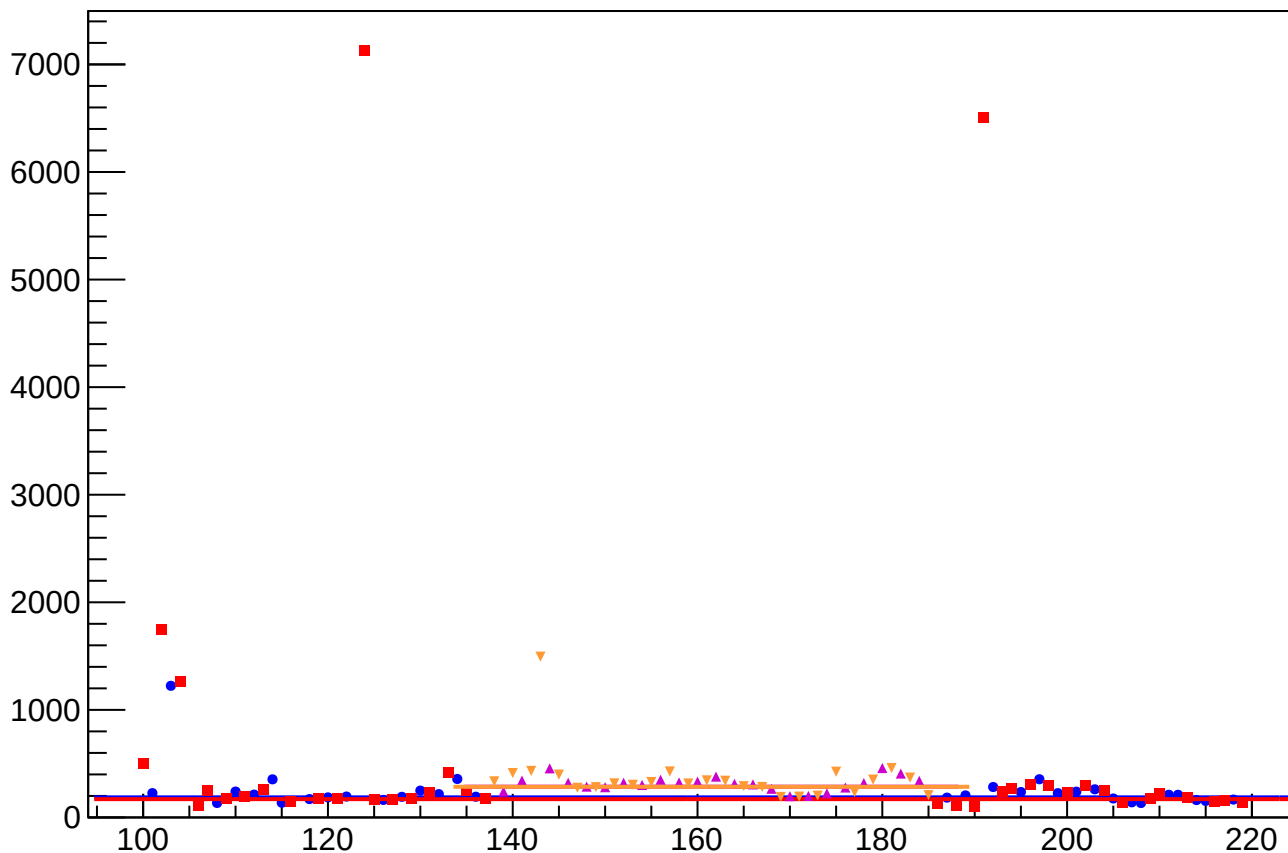
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign 0.017 ± 0.038 χ^2/NDF : 61.0/56

All: -0.005 ± 0.026 χ^2/NDF : 130.0/116

- sign -0.024 ± 0.036 χ^2/NDF : 68.3/59

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 186.854 $\pm$ 0.032 χ^2 /NDF: 2914302.9/31

Left Out: 285.036 $\pm$ 0.049 χ^2 /NDF: 3407001.6/24

Right Out: 170.234 $\pm$ 0.029 χ^2 /NDF: 5620424.0/36

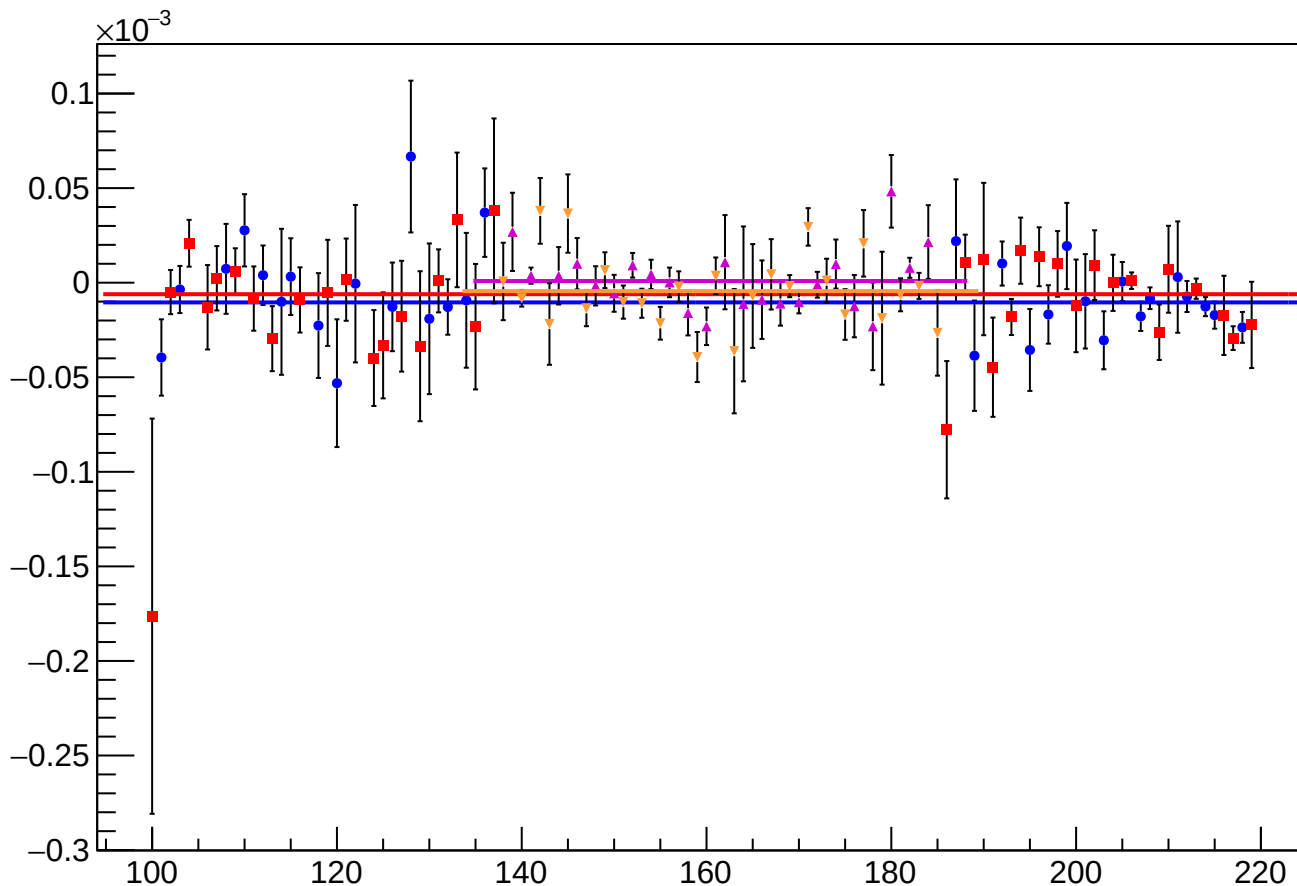
Left In: 285.869 $\pm$ 0.050 χ^2 /NDF: 1744706.1/22

+ sign 215.440 $\pm$ 0.027 χ^2 /NDF: 9124665.0/56

All: 207.128 $\pm$ 0.018 χ^2 /NDF: 20691740.5/11

- sign 199.723 $\pm$ 0.025 χ^2 /NDF: 11382984.9/59

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 34.2/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 43.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 50.6/36

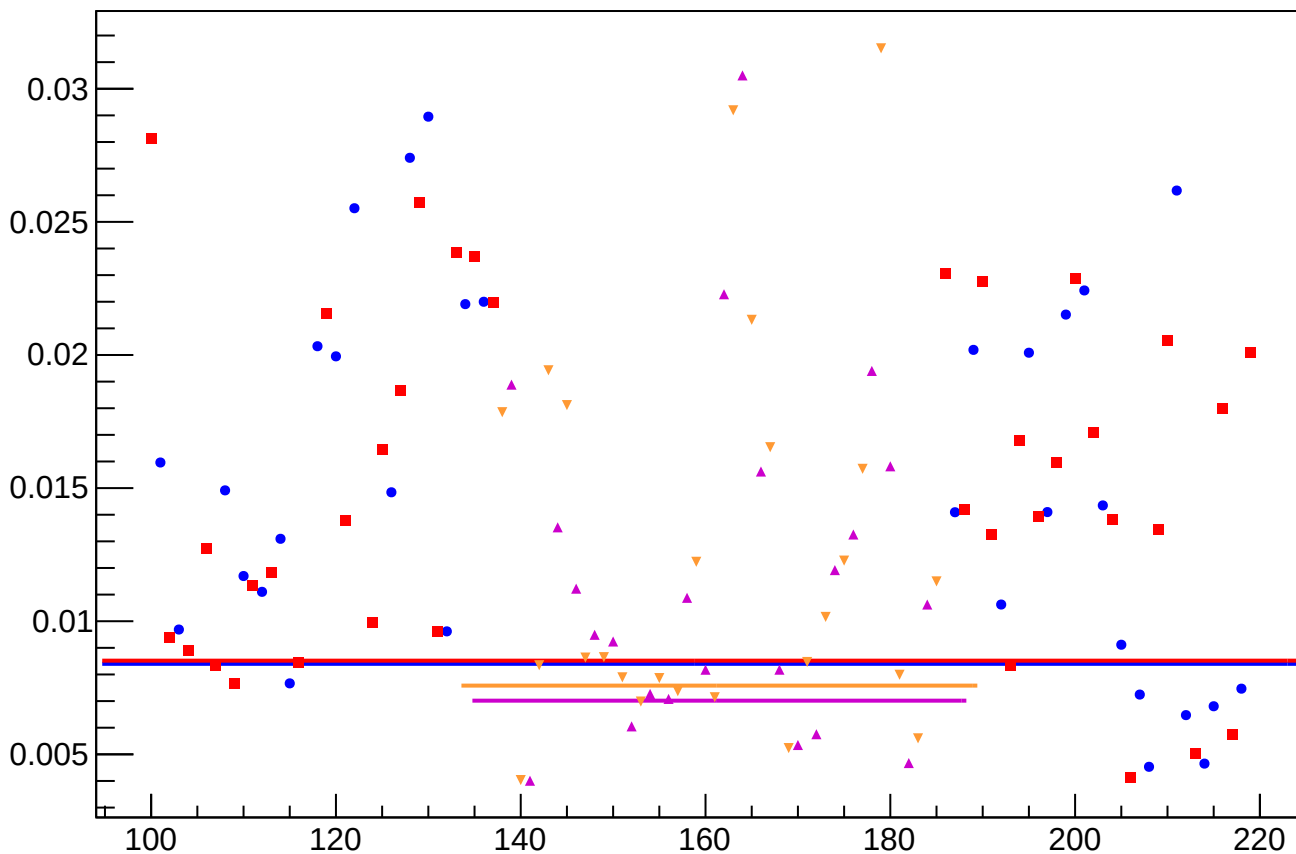
Left In: 0.000 ± 0.000 χ^2/NDF : 29.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 82.1/56

All: -0.000 ± 0.000 χ^2/NDF : 173.2/116

- sign -0.000 ± 0.000 χ^2/NDF : 85.3/59

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9598006.3/31

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 7351454.7/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 10868558.5/36

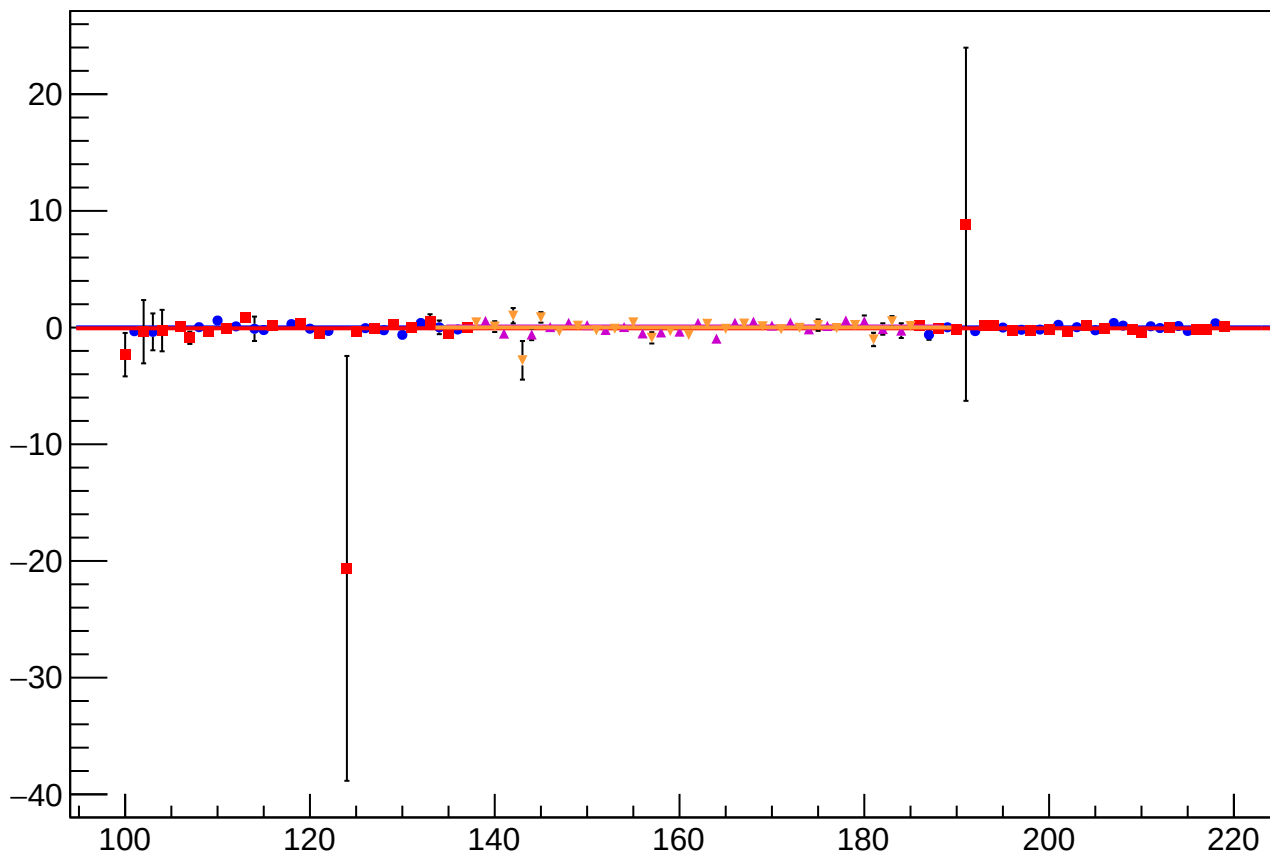
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6740679.5/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 17101583.9/56

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 35285691.6/116

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 18148737.4/59

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018 ± 0.045 χ^2/NDF : 32.7/31

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.063 ± 0.041 χ^2/NDF : 33.9/36

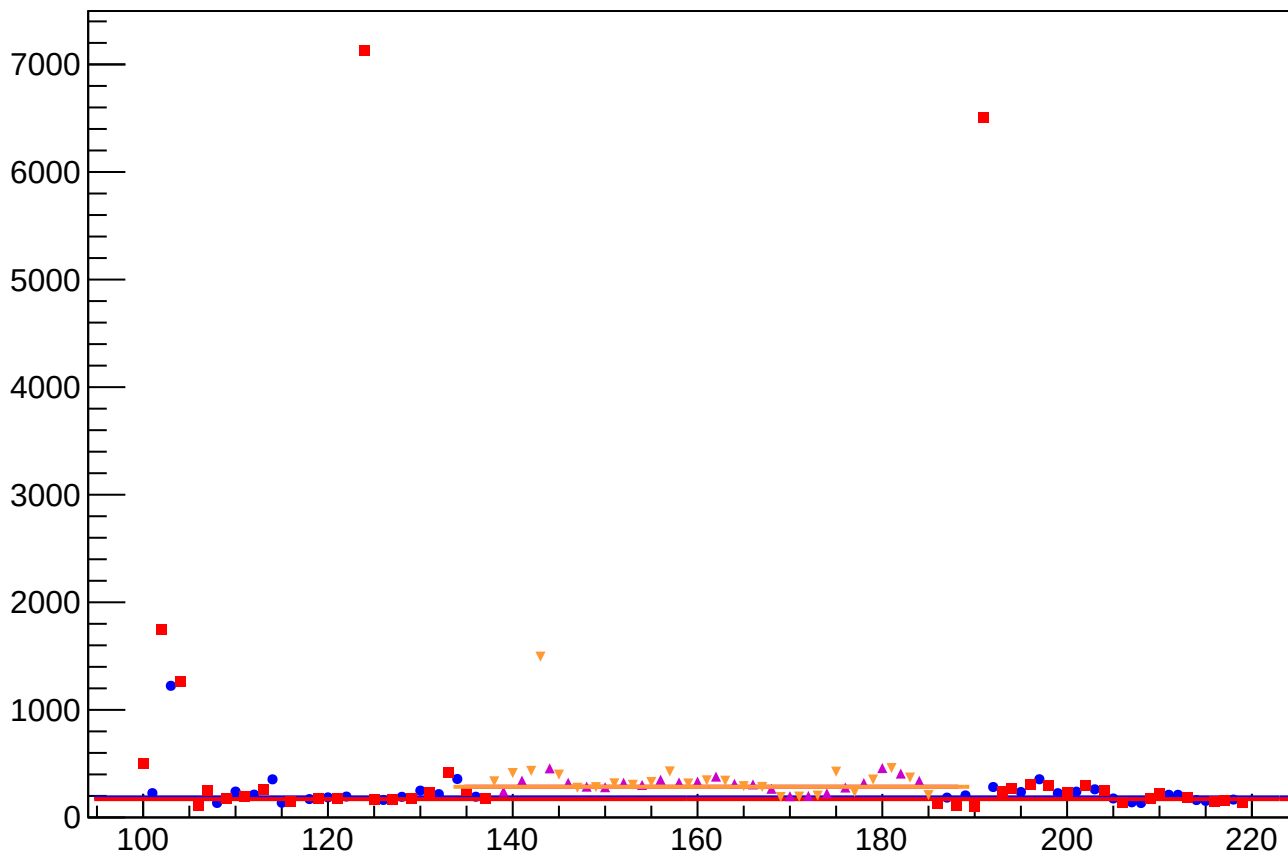
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign 0.017 ± 0.038 χ^2/NDF : 61.0/56

All: -0.005 ± 0.026 χ^2/NDF : 130.0/116

- sign -0.024 ± 0.036 χ^2/NDF : 68.3/59

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 186.853+/-0.032 χ^2/NDF : 2914318.6/31

Left Out: 285.039+/-0.049 χ^2/NDF : 3407037.3/24

Right Out: 170.232+/-0.029 χ^2/NDF : 5620535.1/36

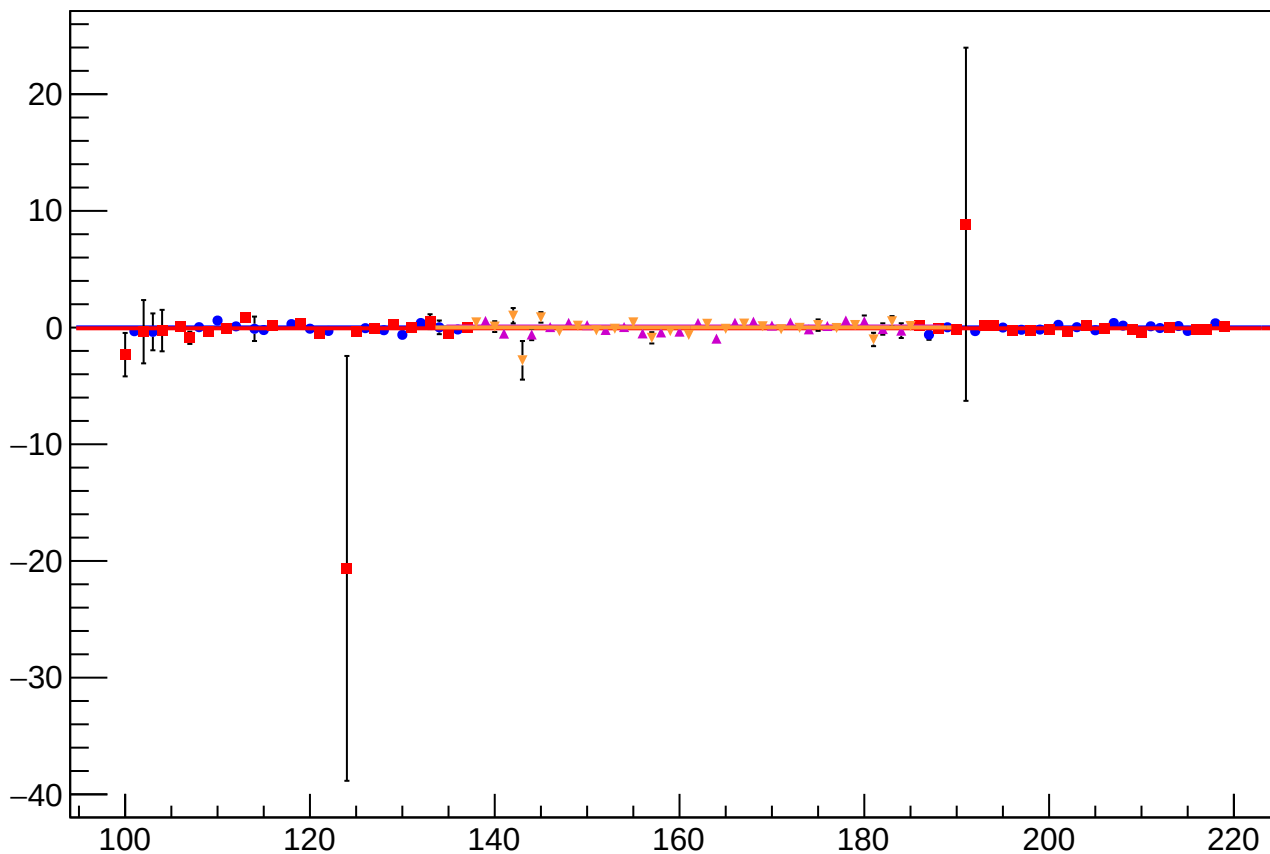
Left In: 285.871+/-0.050 χ^2/NDF : 1744743.9/22

+ sign 215.440+/-0.027 χ^2/NDF : 9124896.5/56

All: 207.127+/-0.018 χ^2/NDF : 20692402.6/11

- sign 199.722+/-0.025 χ^2/NDF : 11383392.9/59

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018 ± 0.045 χ^2/NDF : 32.7/31

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.063 ± 0.041 χ^2/NDF : 33.9/36

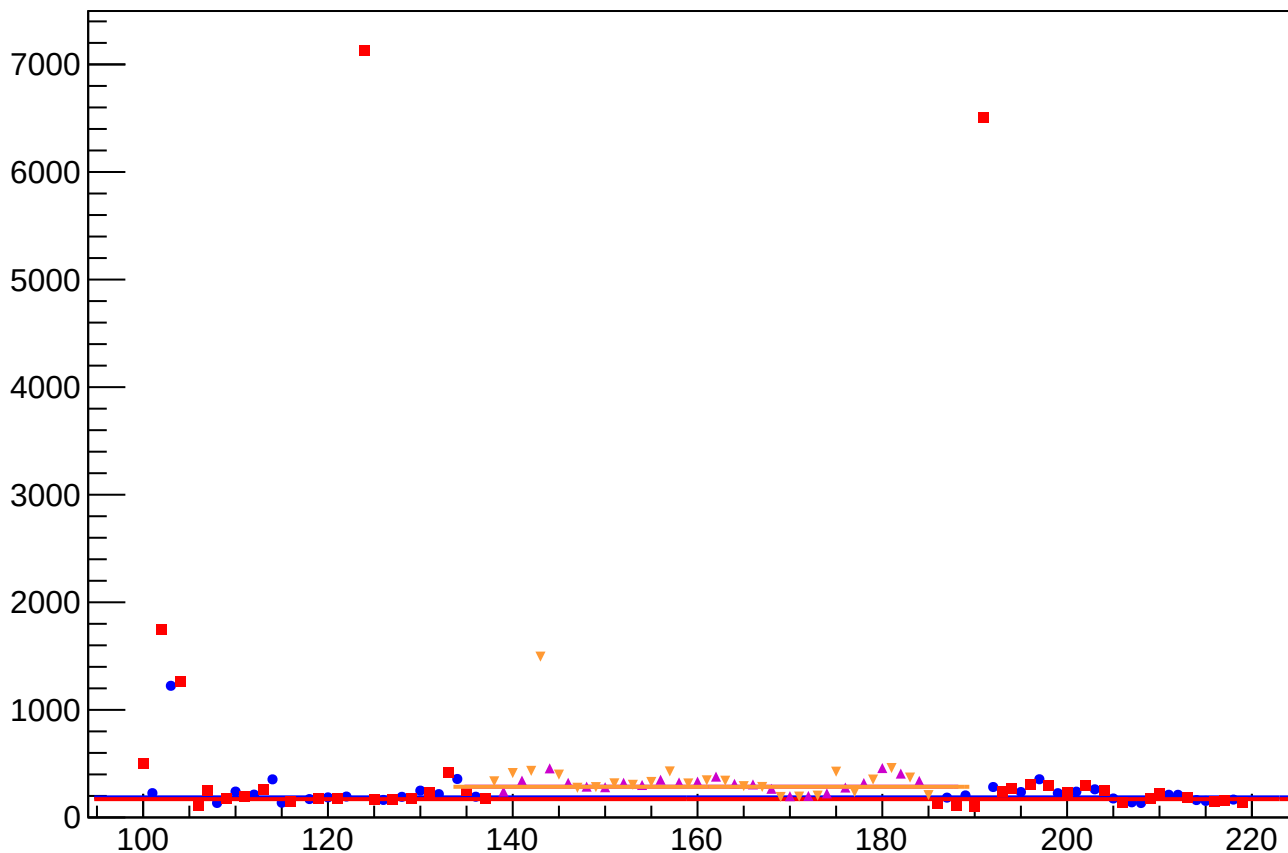
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign 0.017 ± 0.038 χ^2/NDF : 61.0/56

All: -0.005 ± 0.026 χ^2/NDF : 130.0/116

- sign -0.024 ± 0.036 χ^2/NDF : 68.3/59

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 186.853 $\pm$ 0.032 χ^2 /NDF: 2914318.6/31

Left Out: 285.039 $\pm$ 0.049 χ^2 /NDF: 3407037.3/24

Right Out: 170.232 $\pm$ 0.029 χ^2 /NDF: 5620535.1/36

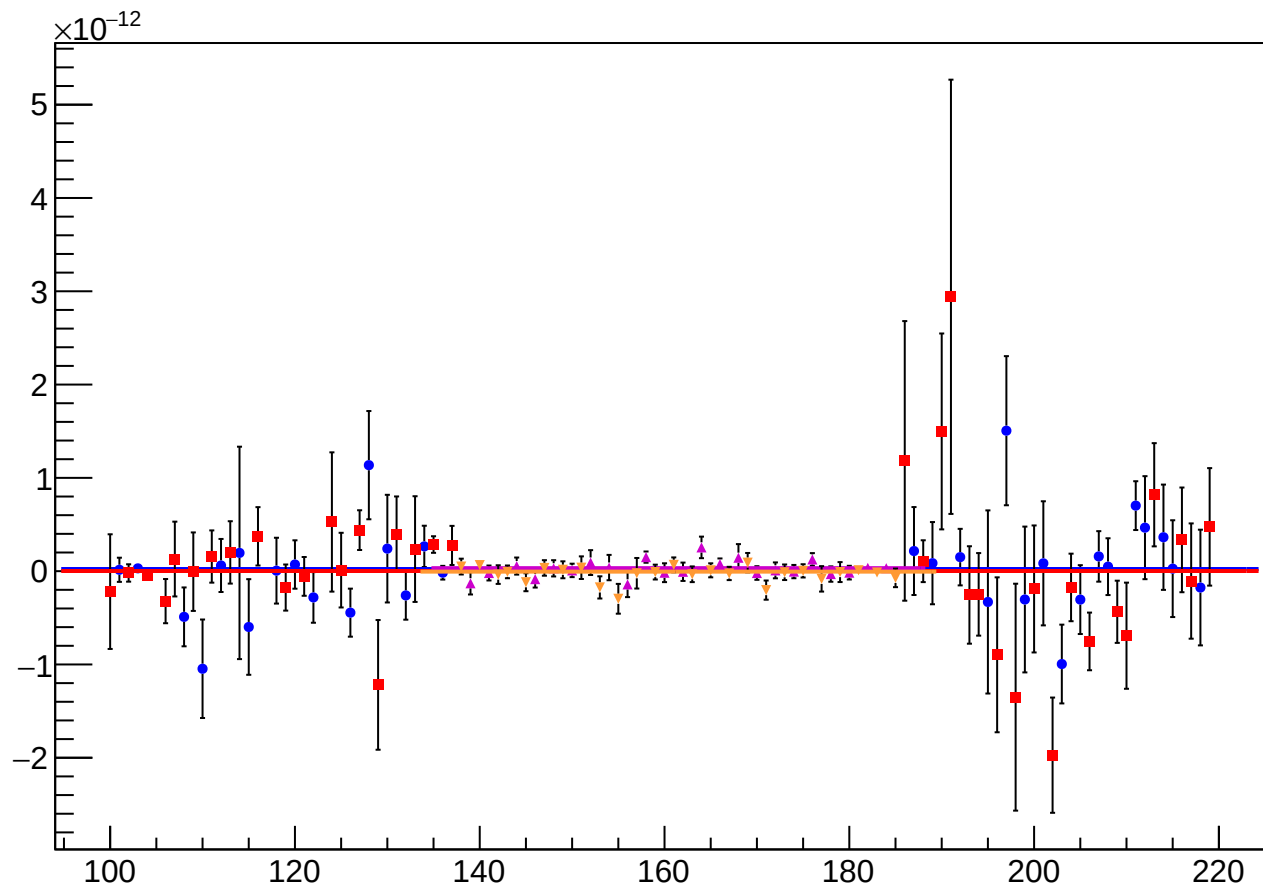
Left In: 285.871 $\pm$ 0.050 χ^2 /NDF: 1744743.9/22

+ sign 215.440 $\pm$ 0.027 χ^2 /NDF: 9124896.5/56

All: 207.127 $\pm$ 0.018 χ^2 /NDF: 20692402.6/1

- sign 199.722 $\pm$ 0.025 χ^2 /NDF: 11383392.9/59

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.3/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:16.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 57.7/36

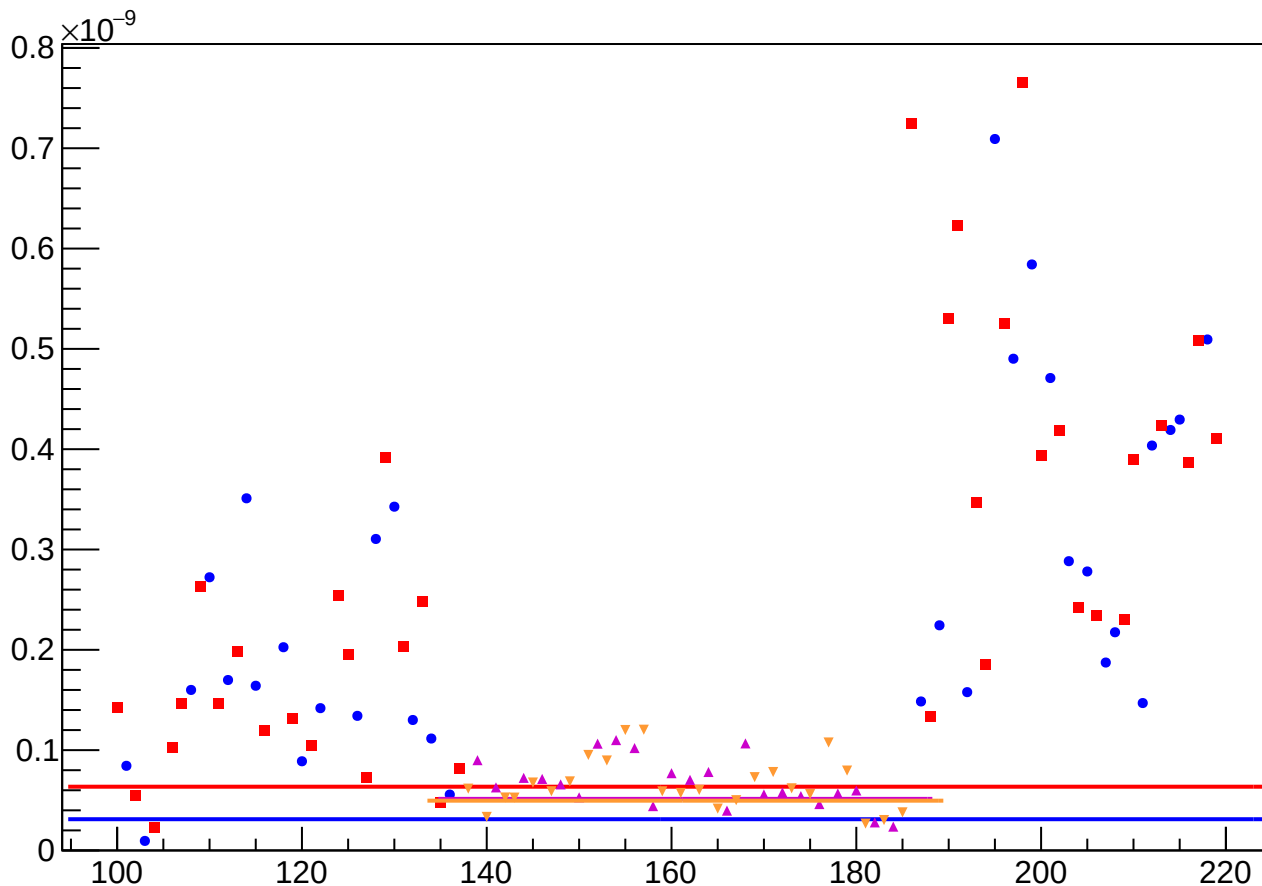
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:18.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 56.1/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 134.5/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 77.2/59

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18787540.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14434913.5/36

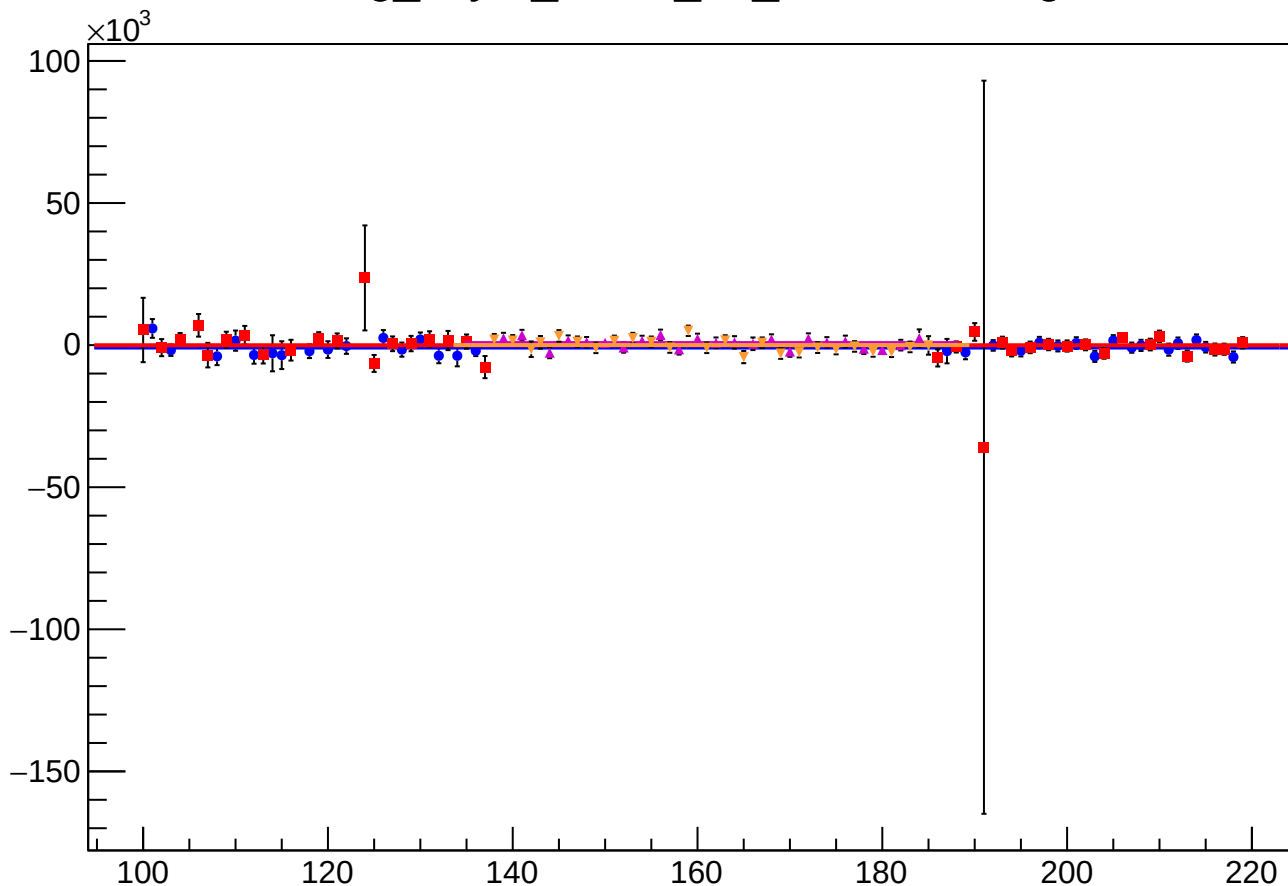
Left In: 0.000+/-0.000 χ^2/NDF : 3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 23745702.1/56

All: 0.000+/-0.000 χ^2/NDF : 42805889.5/116

- sign 0.000+/-0.000 χ^2/NDF : 18349928.6/59

reg_asym_atl1r2_dd_mean vs Slug



Right In: -851.616 ± 409.334 χ^2/NDF : 24.7/31

Left Out: 23.114 ± 387.732 χ^2/NDF : 29.5/24

Right Out: -38.720 ± 405.116 χ^2/NDF : 39.0/36

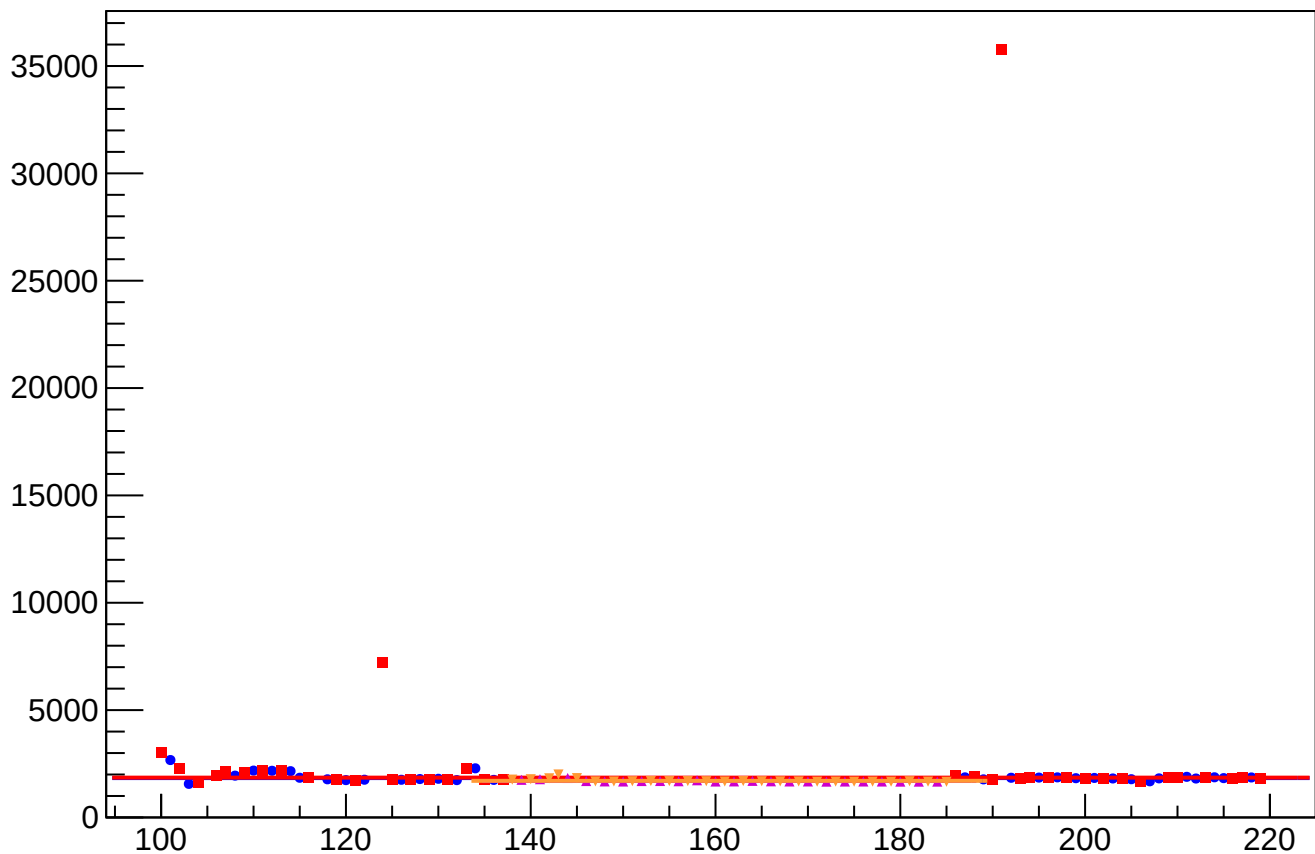
Left In: 719.504 ± 396.449 χ^2/NDF : 19.1/22

+ sign -390.562 ± 281.495 χ^2/NDF : 56.6/56

All: -23.409 ± 199.698 χ^2/NDF : 119.9/116

- sign 348.589 ± 283.346 χ^2/NDF : 59.9/59

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1834.029+/-0.289 χ^2/NDF : 281995.9/31

Left Out: 1705.634+/-0.274 χ^2/NDF : 59928.6/24

Right Out: 1854.441+/-0.286 χ^2/NDF : 537097.0/36

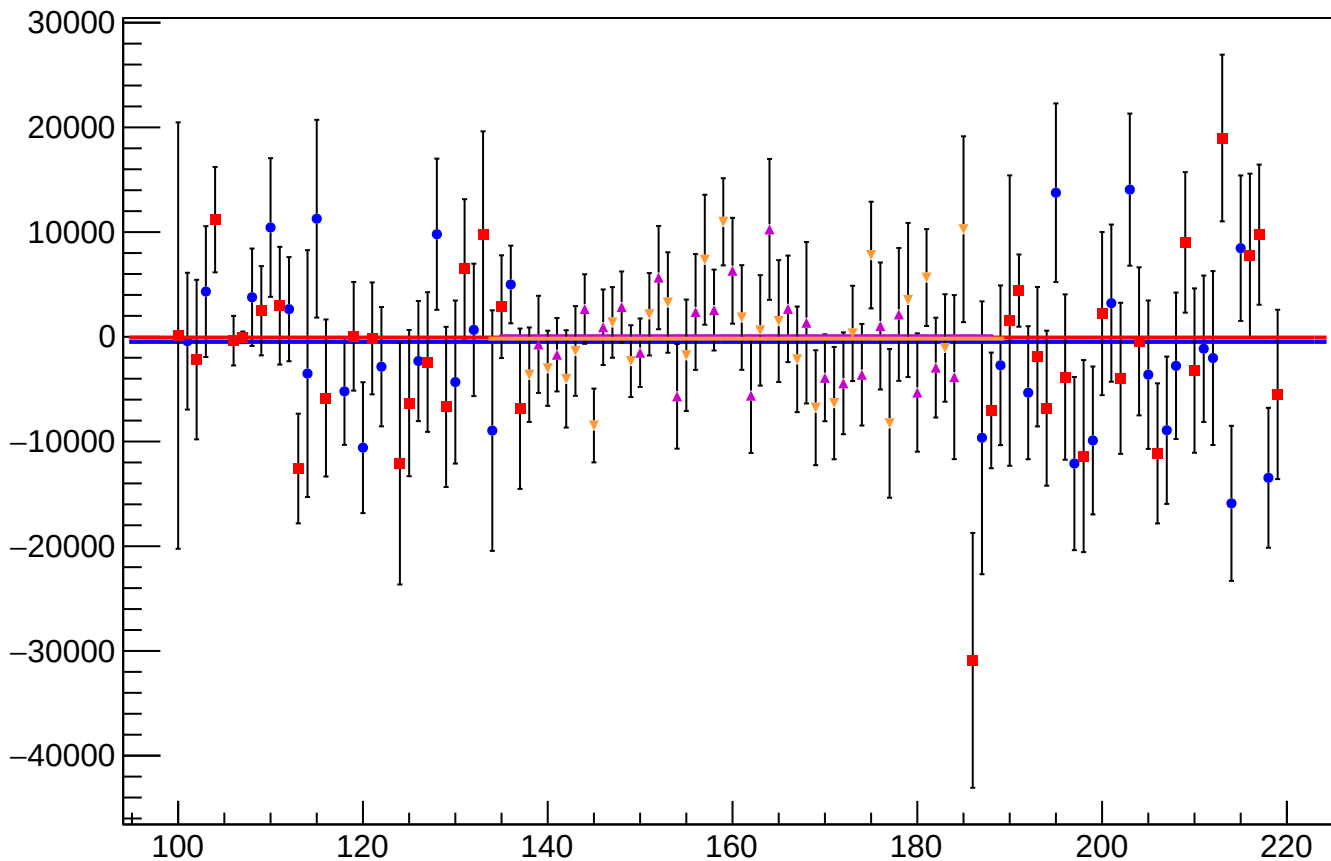
Left In: 1697.514+/-0.280 χ^2/NDF : 21146.9/22

+ sign 1766.354+/-0.199 χ^2/NDF : 445639.7/56

All: 1770.323+/-0.141 χ^2/NDF : 1158097.7/11

- sign 1774.341+/-0.200 χ^2/NDF : 711658.0/59

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: -485.350+/-1168.002 χ^2/NDF : 38.5/31

Left Out: -175.777+/-935.141 χ^2/NDF : 27.9/24

Right Out: -69.315+/-482.575 χ^2/NDF : 44.7/36

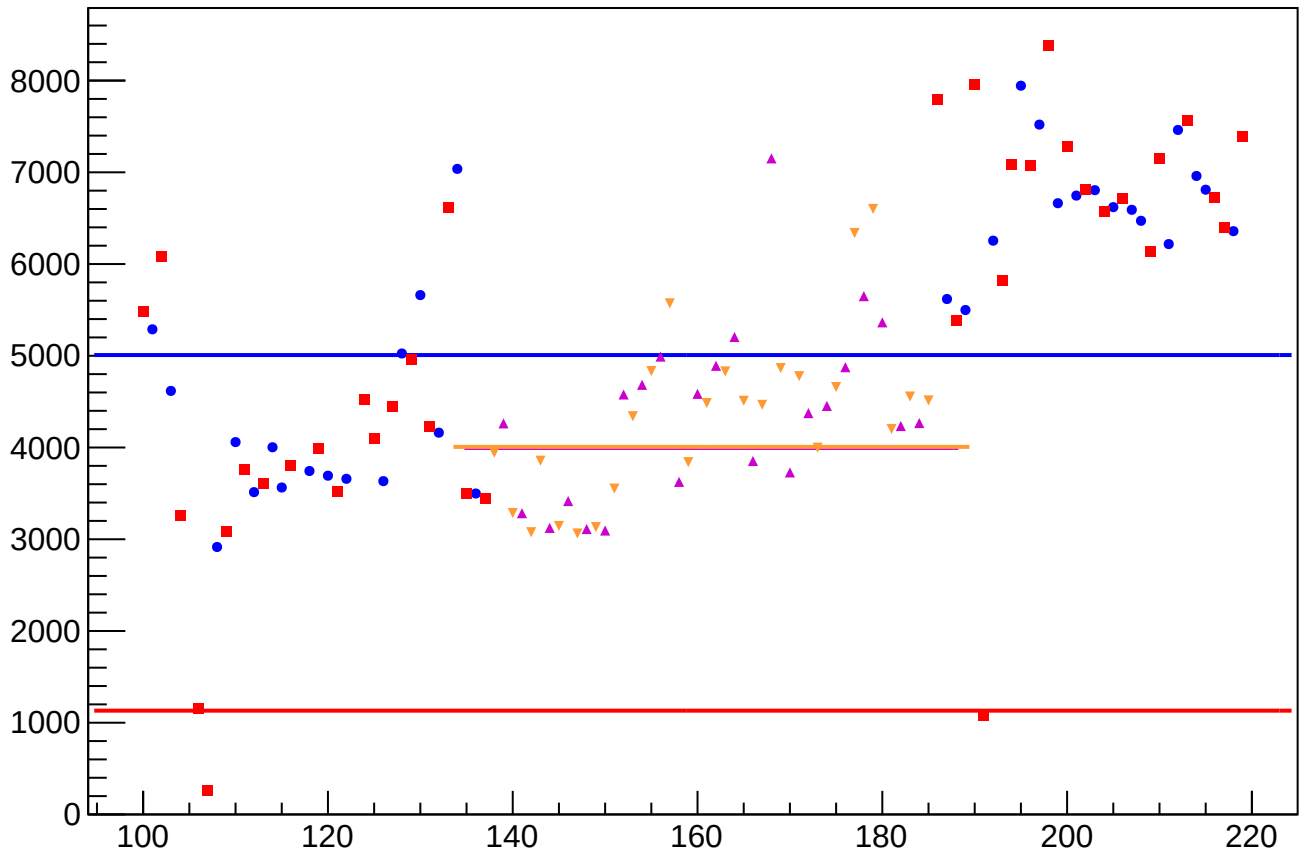
Left In: 56.448+/-956.389 χ^2/NDF : 14.3/22

+ sign -296.703+/-729.997 χ^2/NDF : 66.4/56

All: -109.130+/-371.035 χ^2/NDF : 125.6/116

- sign -43.793+/-430.836 χ^2/NDF : 59.0/59

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 5007.934+/-0.826 χ^2/NDF : 3314028.9/31

Left Out: 4006.998+/-0.661 χ^2/NDF : 1503677.6/24

Right Out: 1131.529+/-0.341 χ^2/NDF : 31103462.0/36

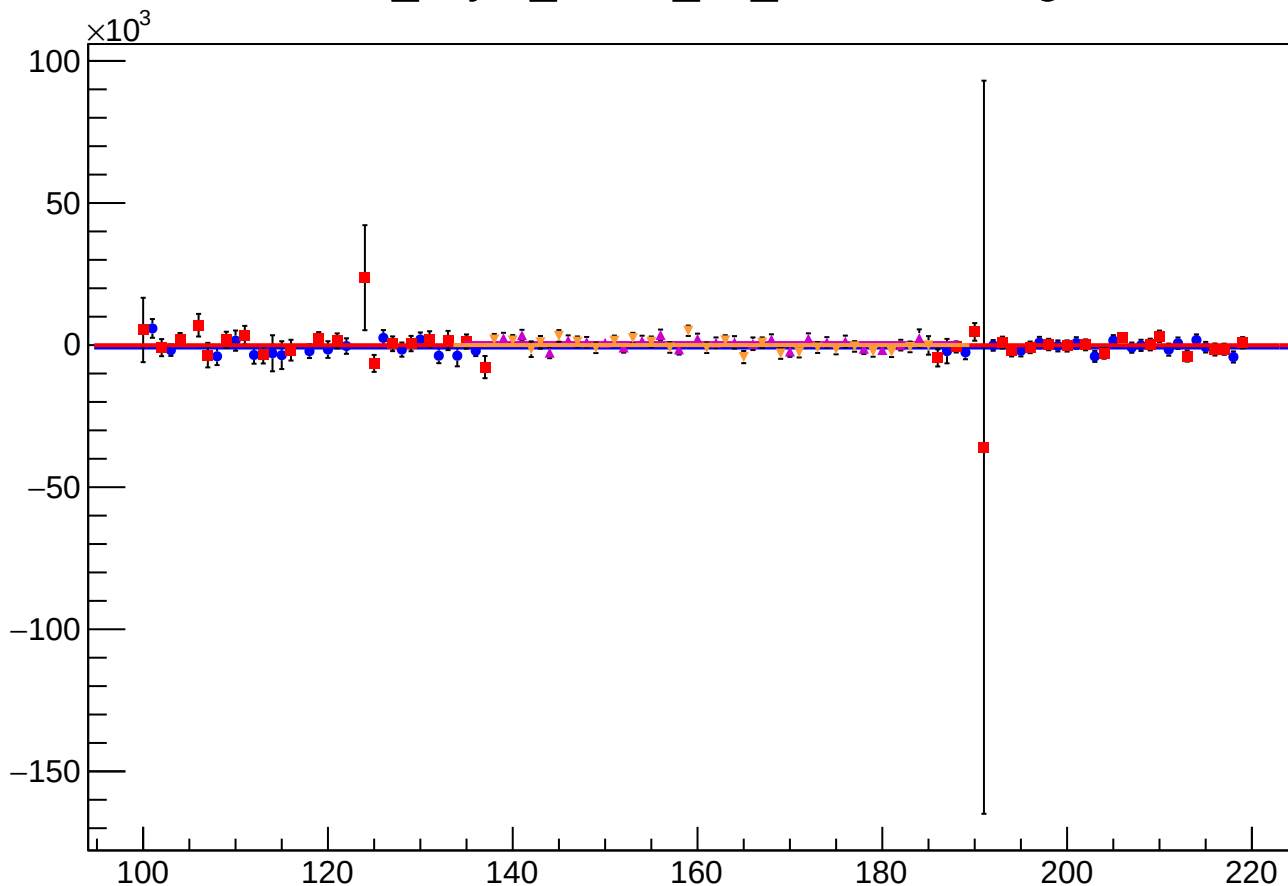
Left In: 3994.974+/-0.676 χ^2/NDF : 1538115.4/22

+ sign 4397.984+/-0.516 χ^2/NDF : 5712748.7/56

All: 2406.350+/-0.262 χ^2/NDF : 72716819.4/1

- sign 1712.619+/-0.305 χ^2/NDF : 46931610.8/59

cor_asym_atl1r2_dd_mean vs Slug



Right In: -851.465 ± 409.334 χ^2/NDF : 24.7/31

Left Out: 23.186 ± 387.732 χ^2/NDF : 29.5/24

Right Out: -38.567 ± 405.116 χ^2/NDF : 39.1/36

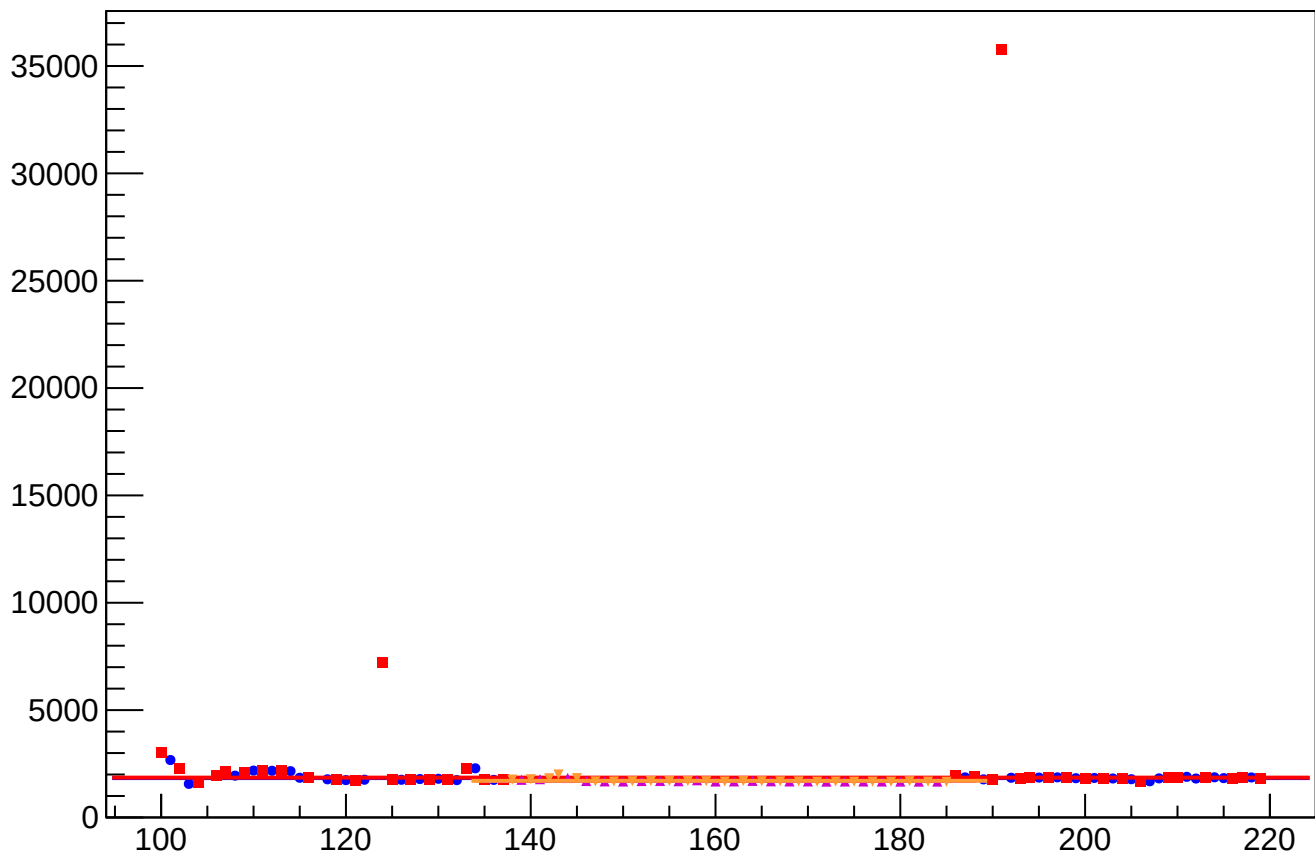
Left In: 719.380 ± 396.449 χ^2/NDF : 19.1/22

+ sign -390.452 ± 281.495 χ^2/NDF : 56.6/56

All: -23.348 ± 199.698 χ^2/NDF : 119.9/116

- sign 348.601 ± 283.346 χ^2/NDF : 59.9/59

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1834.029+/-0.289 χ^2/NDF : 281995.1/31

Left Out: 1705.635+/-0.274 χ^2/NDF : 59928.6/24

Right Out: 1854.587+/-0.286 χ^2/NDF : 537444.6/36

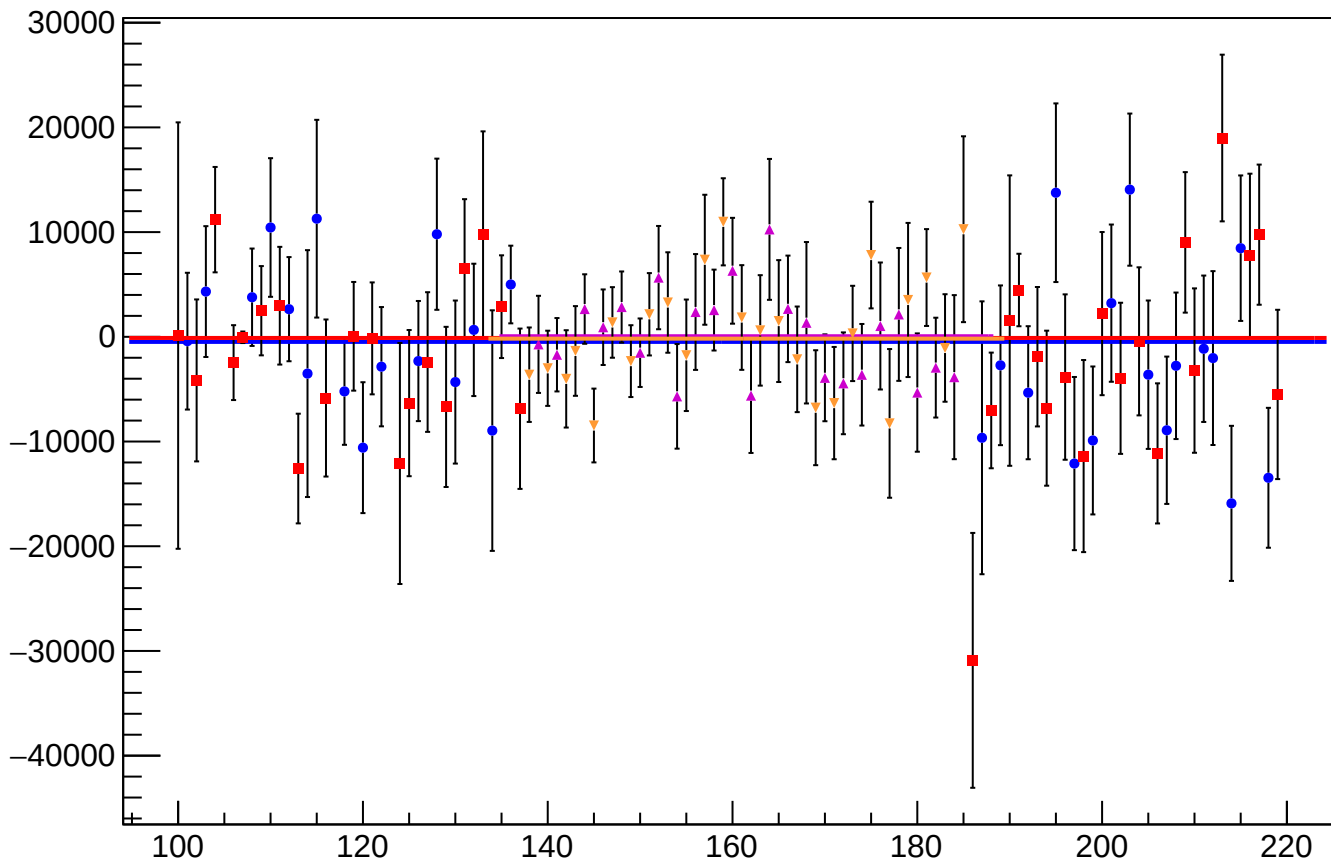
Left In: 1697.514+/-0.280 χ^2/NDF : 21146.9/22

+ sign 1766.355+/-0.199 χ^2/NDF : 445639.1/56

All: 1770.356+/-0.141 χ^2/NDF : 1158731.8/11

- sign 1774.407+/-0.200 χ^2/NDF : 712279.6/59

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: -485.418+/-1168.005 χ^2/NDF : 38.5/31

Left Out: -175.755+/-935.140 χ^2/NDF : 27.9/24

Right Out: -107.940+/-488.327 χ^2/NDF : 45.4/36

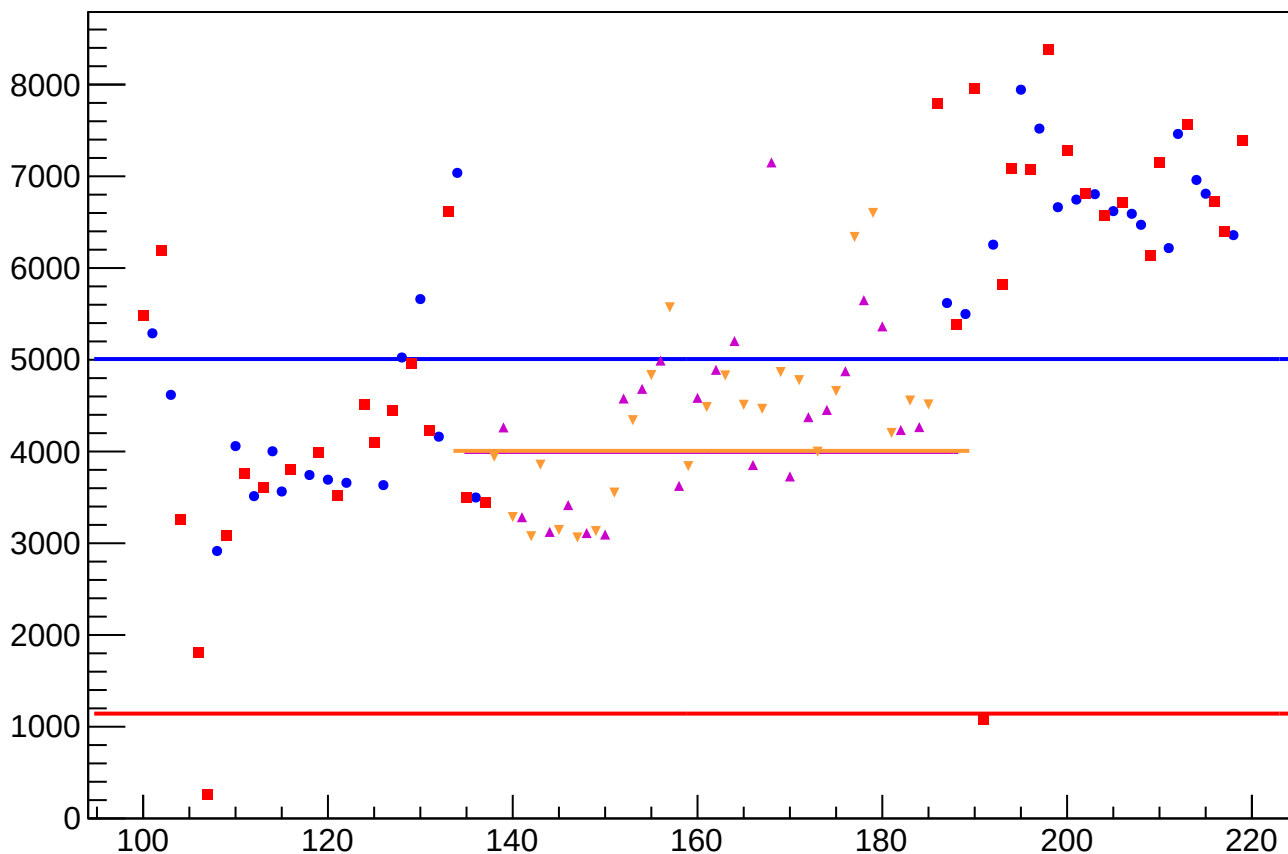
Left In: 56.377+/-956.388 χ^2/NDF : 14.3/22

+ sign -296.715+/-729.997 χ^2/NDF : 66.4/56

All: -132.314+/-373.630 χ^2/NDF : 126.2/116

- sign -73.960+/-434.914 χ^2/NDF : 59.7/59

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 5007.945+/-0.826 χ^2/NDF : 3314026.8/31

Left Out: 4006.990+/-0.661 χ^2/NDF : 1503698.2/24

Right Out: 1142.934+/-0.345 χ^2/NDF : 31186320.5/36

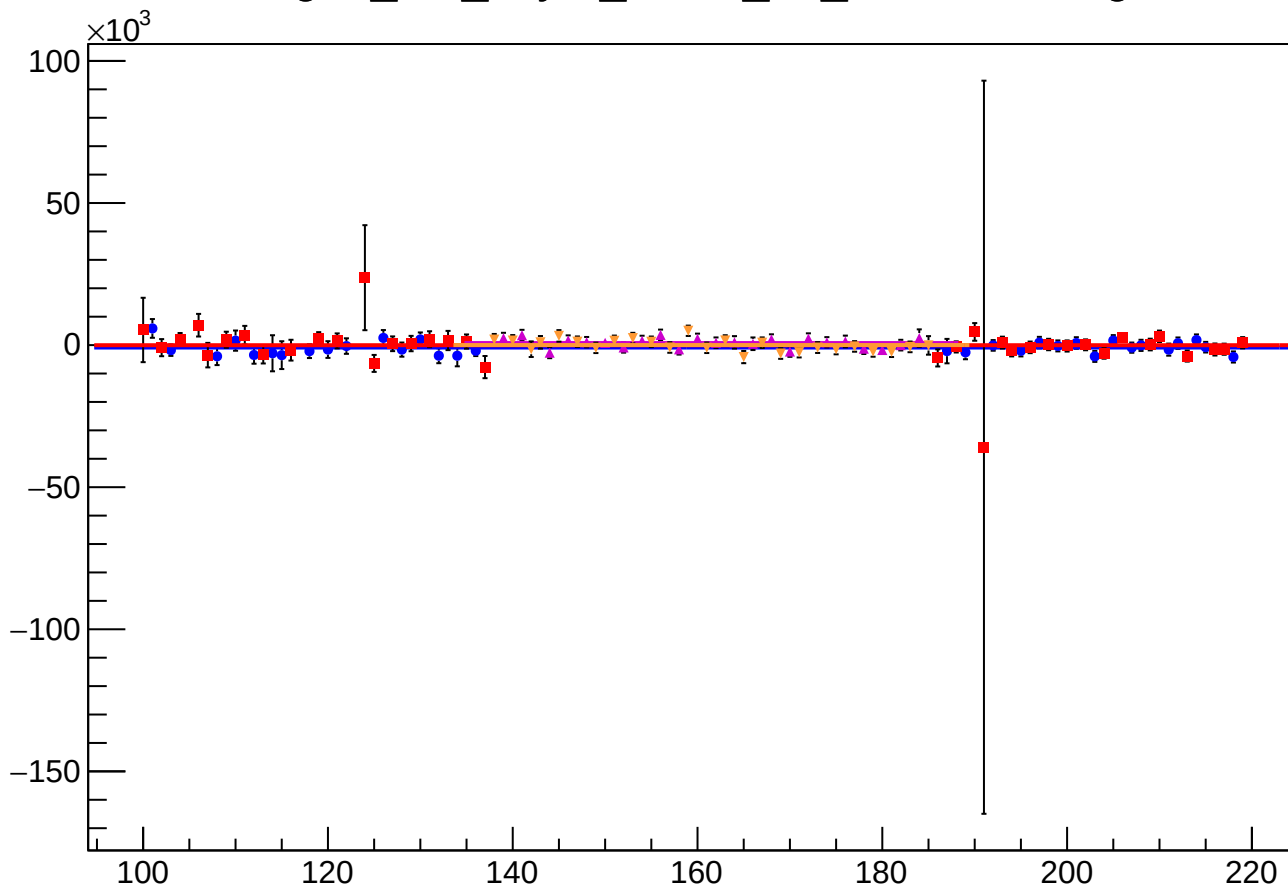
Left In: 3994.972+/-0.676 χ^2/NDF : 1538098.4/22

+ sign 4397.982+/-0.516 χ^2/NDF : 5712798.5/56

All: 2430.922+/-0.264 χ^2/NDF : 72221369.6/1

- sign 1732.719+/-0.308 χ^2/NDF : 46832186.8/59

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -851.465 ± 409.334 χ^2/NDF : 24.7/31

Left Out: 23.186 ± 387.732 χ^2/NDF : 29.5/24

Right Out: -38.567 ± 405.116 χ^2/NDF : 39.1/36

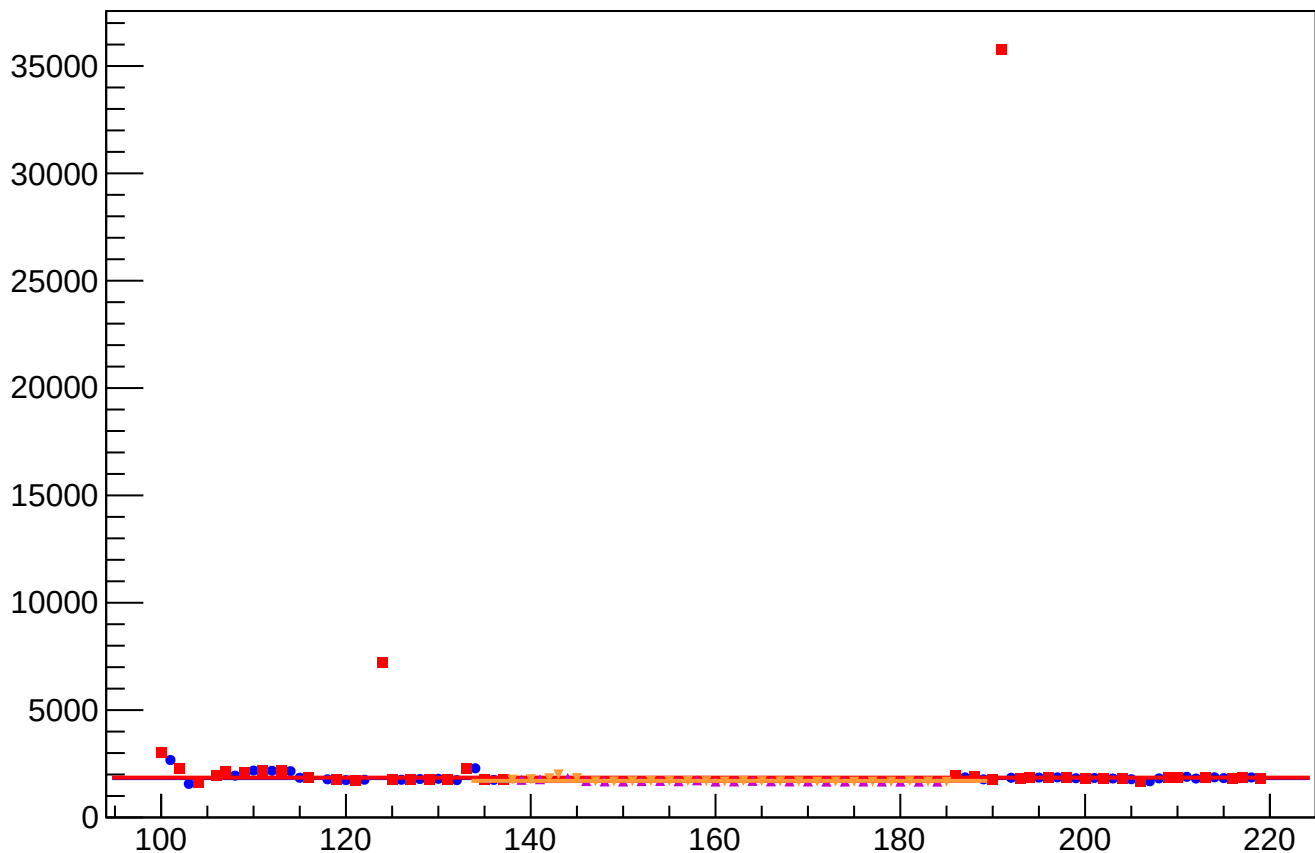
Left In: 719.380 ± 396.449 χ^2/NDF : 19.1/22

+ sign -390.452 ± 281.495 χ^2/NDF : 56.6/56

All: -23.348 ± 199.698 χ^2/NDF : 119.9/116

- sign 348.601 ± 283.346 χ^2/NDF : 59.9/59

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1834.029+/-0.289 χ^2/NDF : 281995.1/31

Left Out: 1705.635+/-0.274 χ^2/NDF : 59928.6/24

Right Out: 1854.587+/-0.286 χ^2/NDF : 537444.6/36

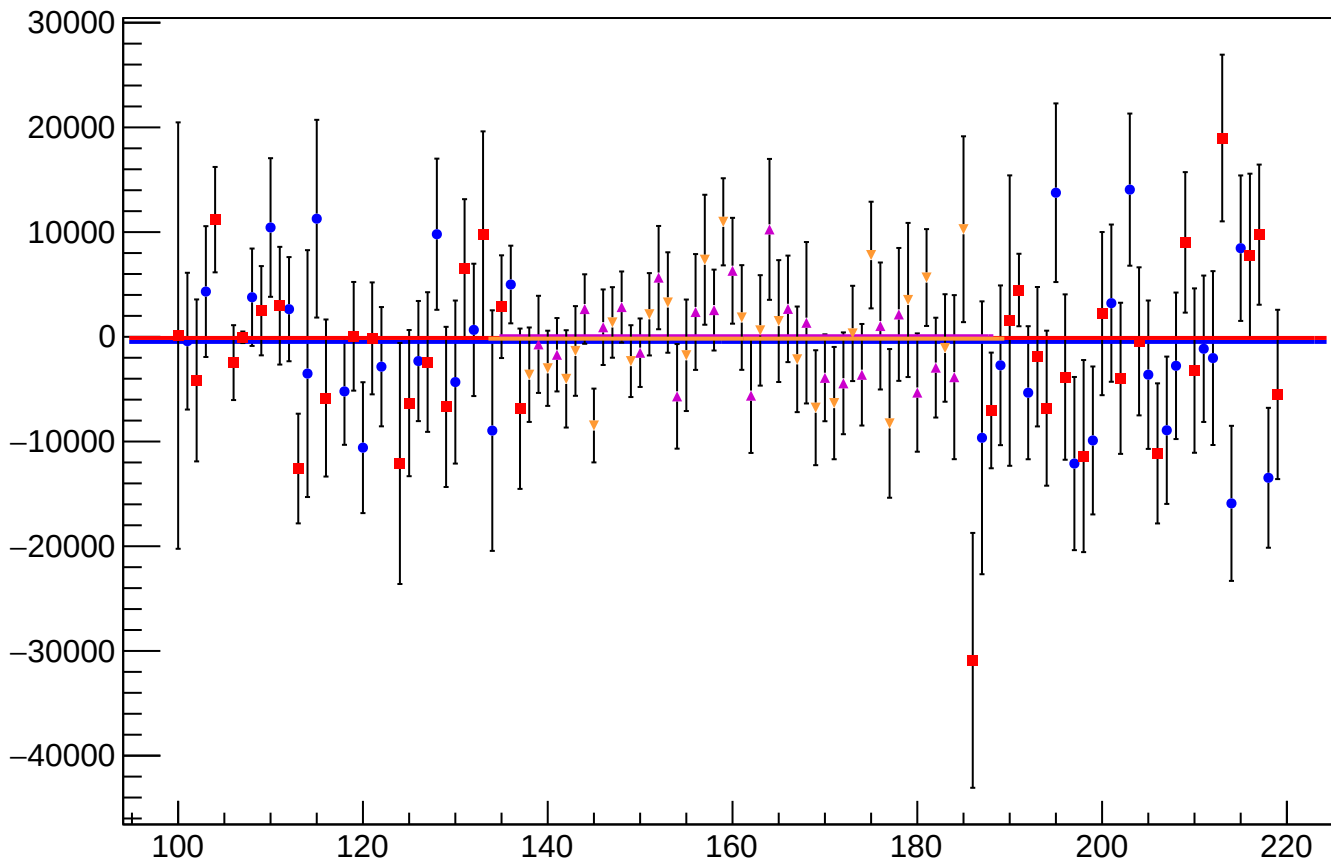
Left In: 1697.514+/-0.280 χ^2/NDF : 21146.9/22

+ sign 1766.355+/-0.199 χ^2/NDF : 445639.1/56

All: 1770.356+/-0.141 χ^2/NDF : 1158731.8/11

- sign 1774.407+/-0.200 χ^2/NDF : 712279.6/59

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: -485.418+/-1168.005 χ^2/NDF : 38.5/31

Left Out: -175.755+/-935.140 χ^2/NDF : 27.9/24

Right Out: -107.940+/-488.327 χ^2/NDF : 45.4/36

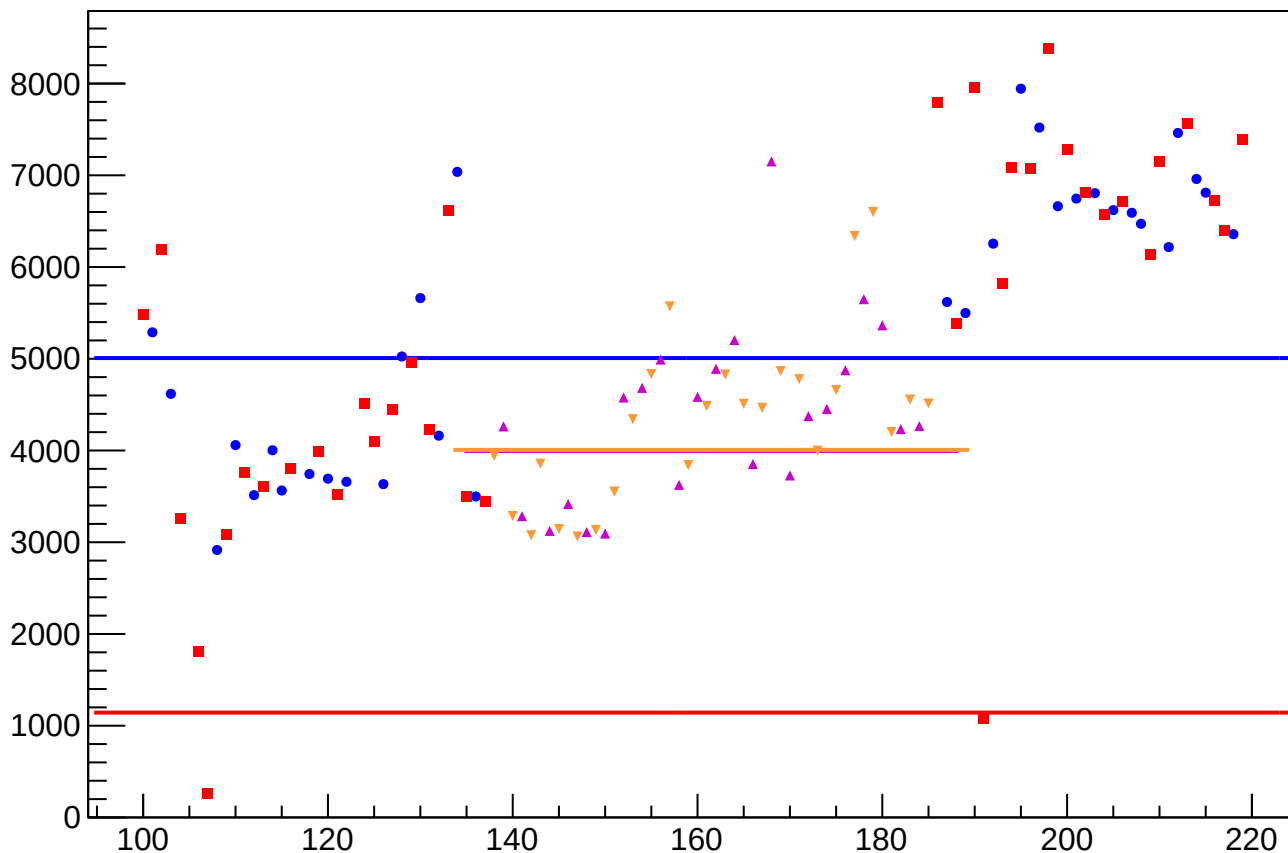
Left In: 56.377+/-956.388 χ^2/NDF : 14.3/22

+ sign -296.715+/-729.997 χ^2/NDF : 66.4/56

All: -132.314+/-373.630 χ^2/NDF : 126.2/116

- sign -73.960+/-434.914 χ^2/NDF : 59.7/59

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 5007.945+/-0.826 χ^2/NDF : 3314026.8/31

Left Out: 4006.990+/-0.661 χ^2/NDF : 1503698.2/24

Right Out: 1142.934+/-0.345 χ^2/NDF : 31186320.5/36

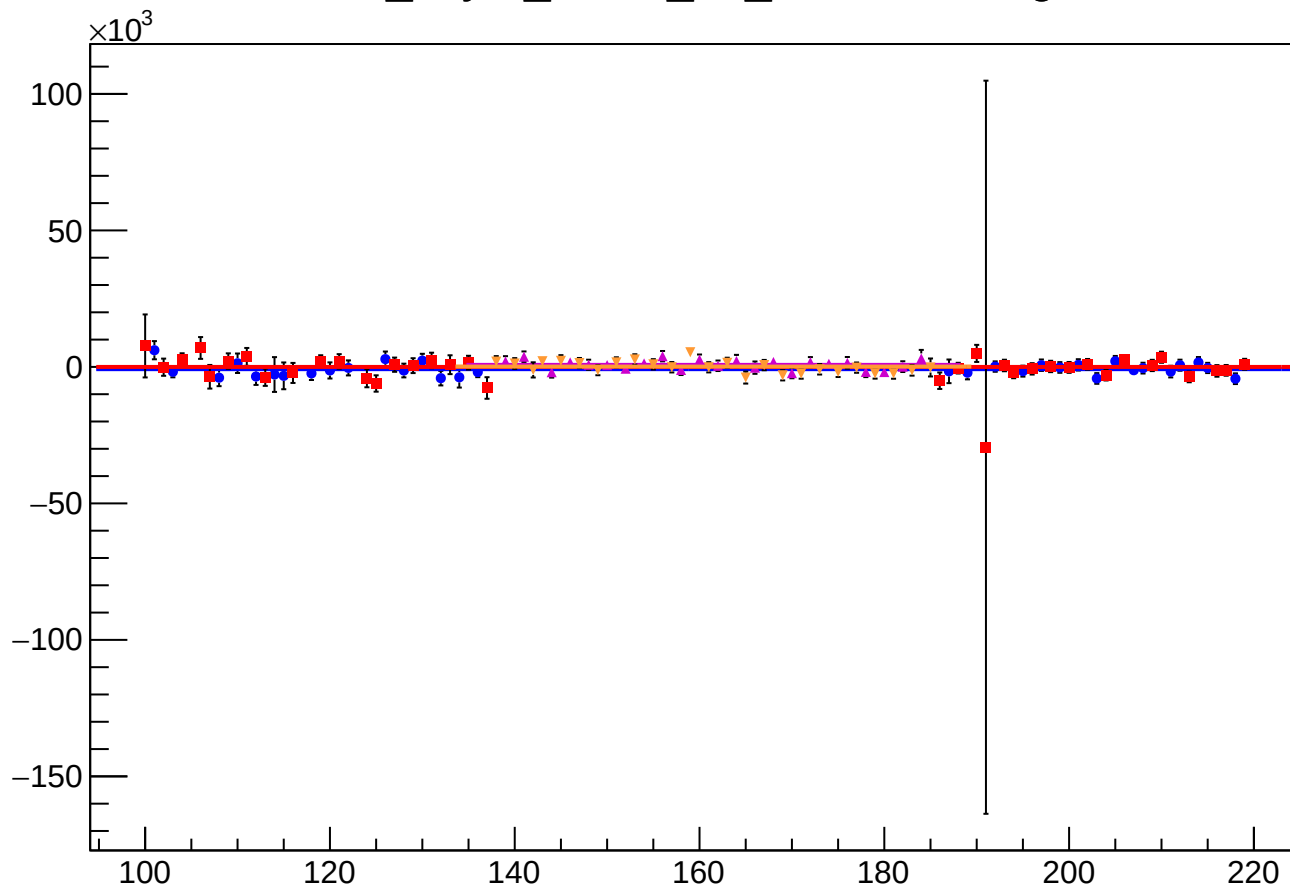
Left In: 3994.972+/-0.676 χ^2/NDF : 1538098.4/22

+ sign 4397.982+/-0.516 χ^2/NDF : 5712798.5/56

All: 2430.922+/-0.264 χ^2/NDF : 72221369.6/1

- sign 1732.719+/-0.308 χ^2/NDF : 46832186.8/59

dit_asym_atl1r2_dd_mean vs Slug



Right In: -824.236 ± 413.211 χ^2/NDF : 26.0/31

Left Out: 119.959 ± 389.458 χ^2/NDF : 29.7/24

Right Out: -11.621 ± 406.717 χ^2/NDF : 40.5/36

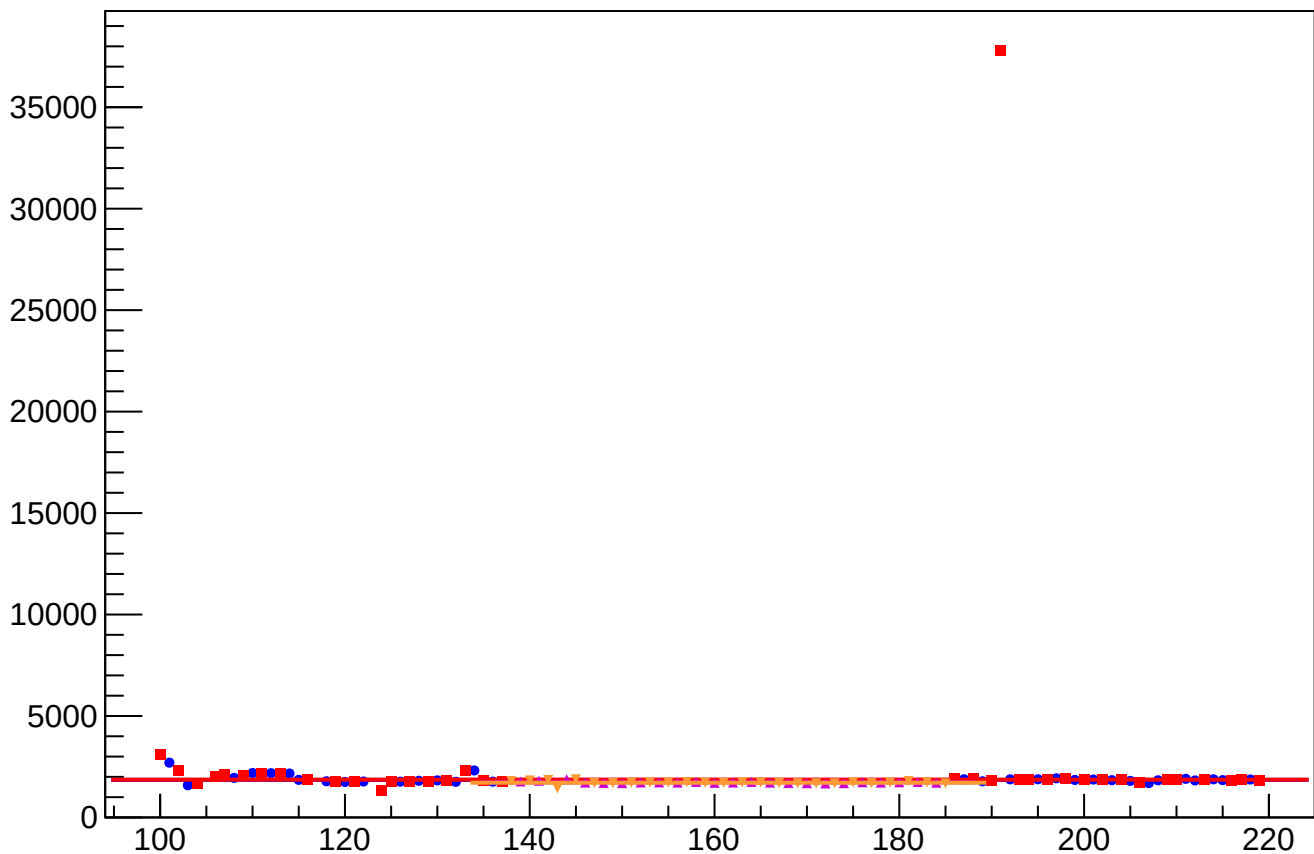
Left In: 741.191 ± 404.161 χ^2/NDF : 19.0/22

+ sign -324.222 ± 283.414 χ^2/NDF : 58.4/56

All: 17.501 ± 201.550 χ^2/NDF : 122.6/116

- sign 367.158 ± 286.684 χ^2/NDF : 61.2/59

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1851.230+/-0.292 χ^2/NDF : 281345.6/31

Left Out: 1712.310+/-0.275 χ^2/NDF : 94399.0/24

Right Out: 1863.247+/-0.288 χ^2/NDF : 431906.0/36

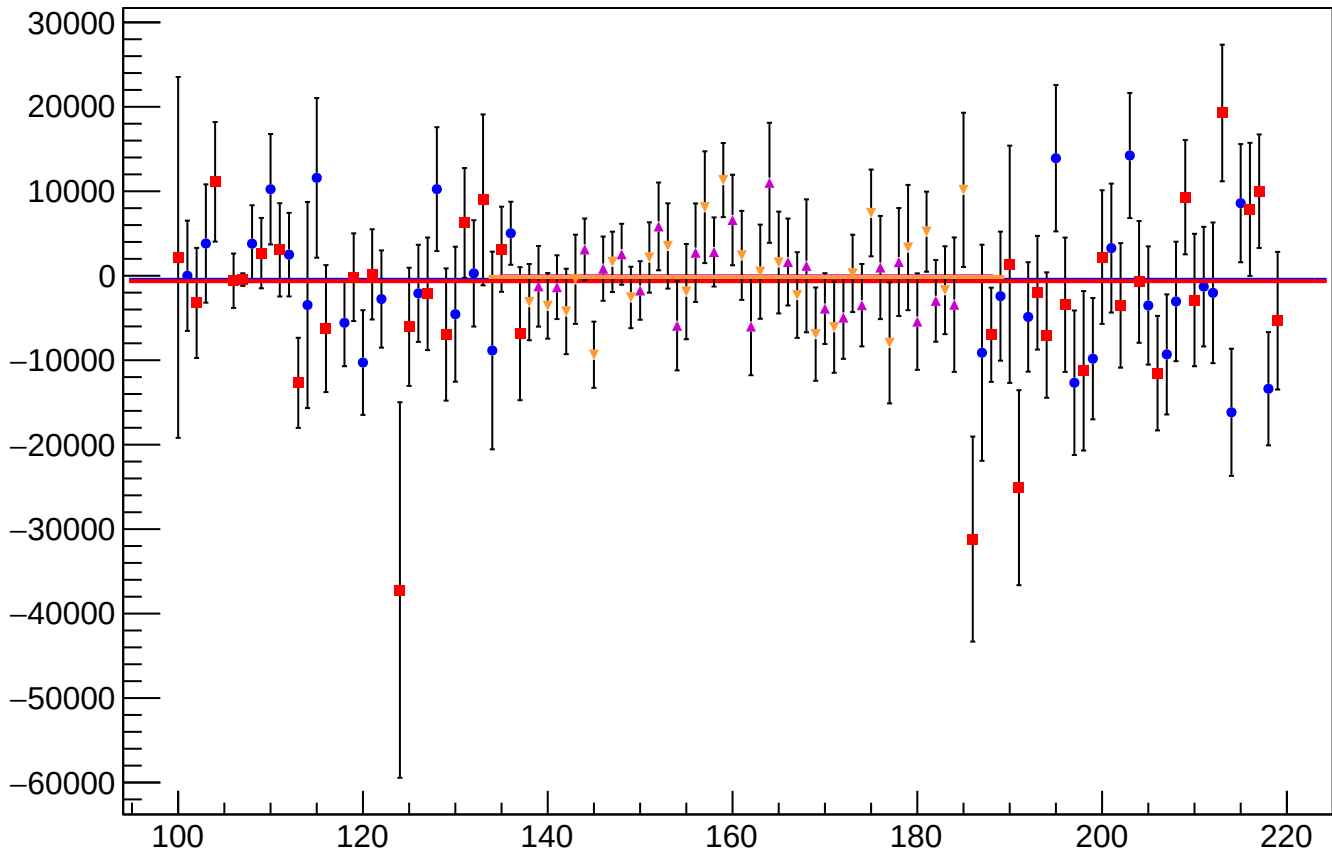
Left In: 1730.342+/-0.286 χ^2/NDF : 23075.7/22

+ sign 1777.663+/-0.200 χ^2/NDF : 495457.4/56

All: 1786.922+/-0.143 χ^2/NDF : 1062243.3/11

- sign 1796.394+/-0.203 χ^2/NDF : 562467.3/59

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: -481.340 ± 1177.723 χ^2/NDF : 38.1/31

Left Out: -150.169 ± 984.984 χ^2/NDF : 26.9/24

Right Out: -645.306 ± 619.350 χ^2/NDF : 46.5/36

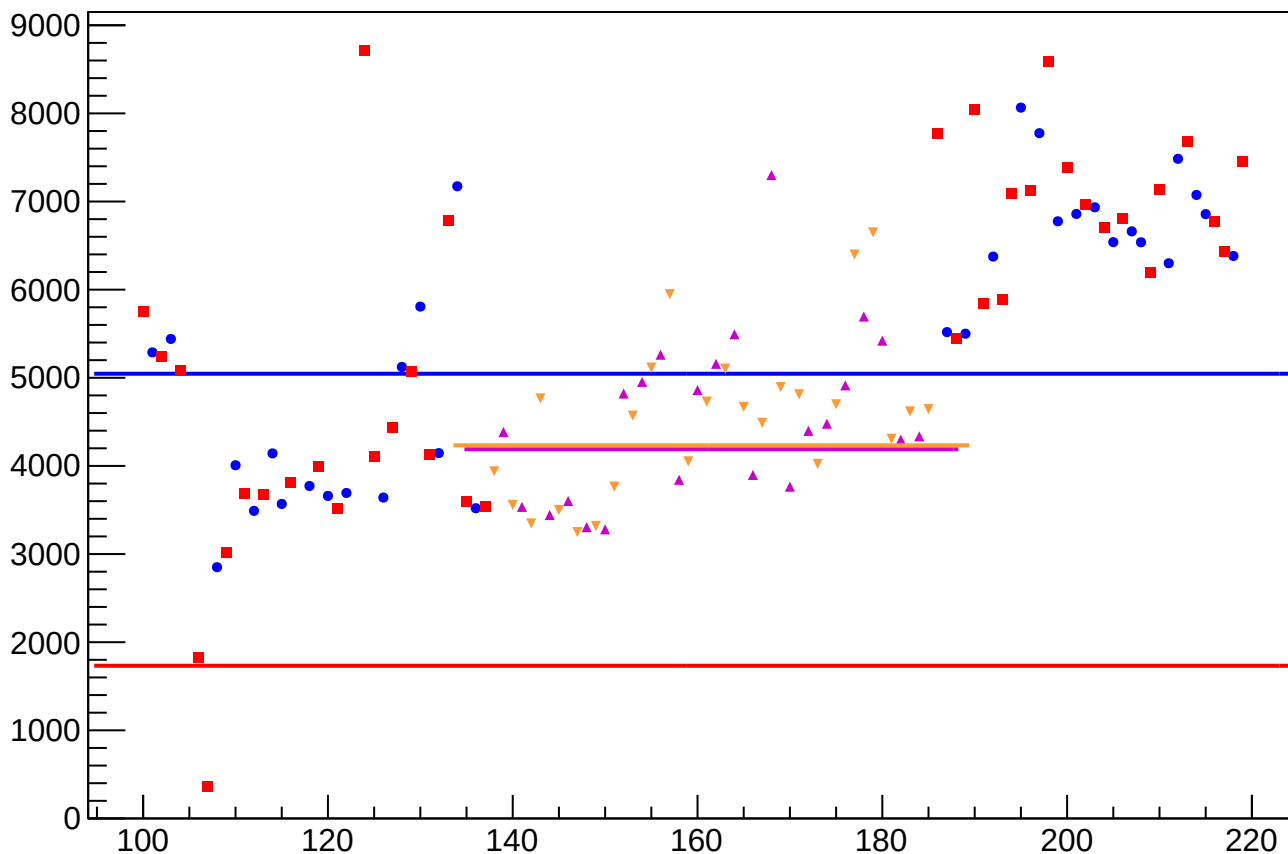
Left In: -65.169 ± 1000.106 χ^2/NDF : 14.0/22

+ sign -286.473 ± 755.565 χ^2/NDF : 65.0/56

All: -419.758 ± 431.999 χ^2/NDF : 125.8/116

- sign -484.491 ± 526.556 χ^2/NDF : 60.7/59

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 5045.958 $\pm$ 0.833 χ^2 /NDF: 3470595.9/31

Left Out: 4233.905 $\pm$ 0.696 χ^2 /NDF: 1284783.2/24

Right Out: 1732.683 $\pm$ 0.438 χ^2 /NDF: 27145805.5/36

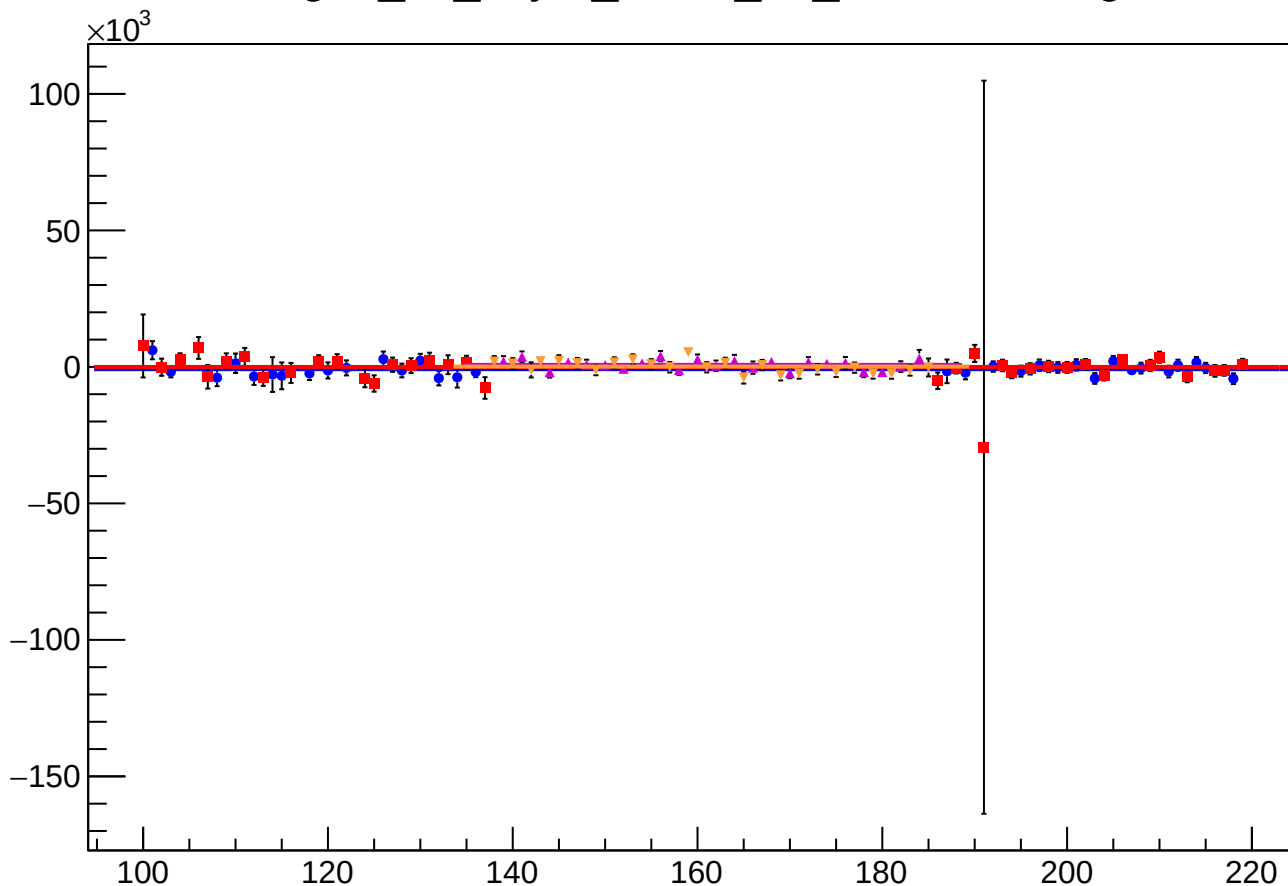
Left In: 4188.874 $\pm$ 0.707 χ^2 /NDF: 1344602.0/22

+ sign 4568.132 $\pm$ 0.534 χ^2 /NDF: 5314875.7/56

All: 3117.890 $\pm$ 0.305 χ^2 /NDF: 53471421.7/1

- sign 2413.544 $\pm$ 0.372 χ^2 /NDF: 37209650.4/59

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -824.232 ± 413.211 χ^2/NDF : 26.0/31

Left Out: 119.962 ± 389.458 χ^2/NDF : 29.7/24

Right Out: -11.620 ± 406.717 χ^2/NDF : 40.5/36

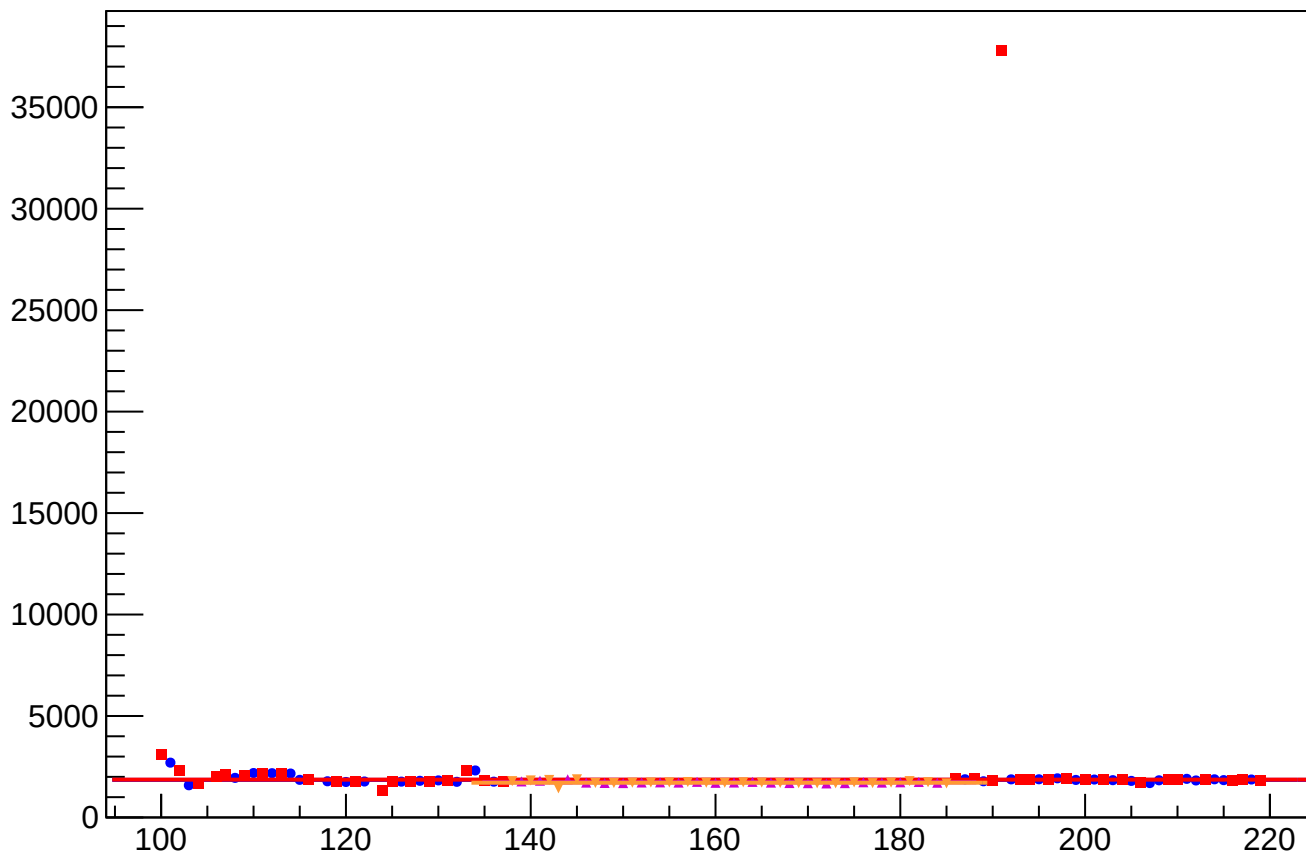
Left In: 741.189 ± 404.161 χ^2/NDF : 19.0/22

+ sign -324.219 ± 283.414 χ^2/NDF : 58.4/56

All: 17.503 ± 201.550 χ^2/NDF : 122.6/116

- sign 367.158 ± 286.684 χ^2/NDF : 61.2/59

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1851.230+/-0.292 χ^2/NDF : 281345.5/31

Left Out: 1712.310+/-0.275 χ^2/NDF : 94398.1/24

Right Out: 1863.247+/-0.288 χ^2/NDF : 431906.2/36

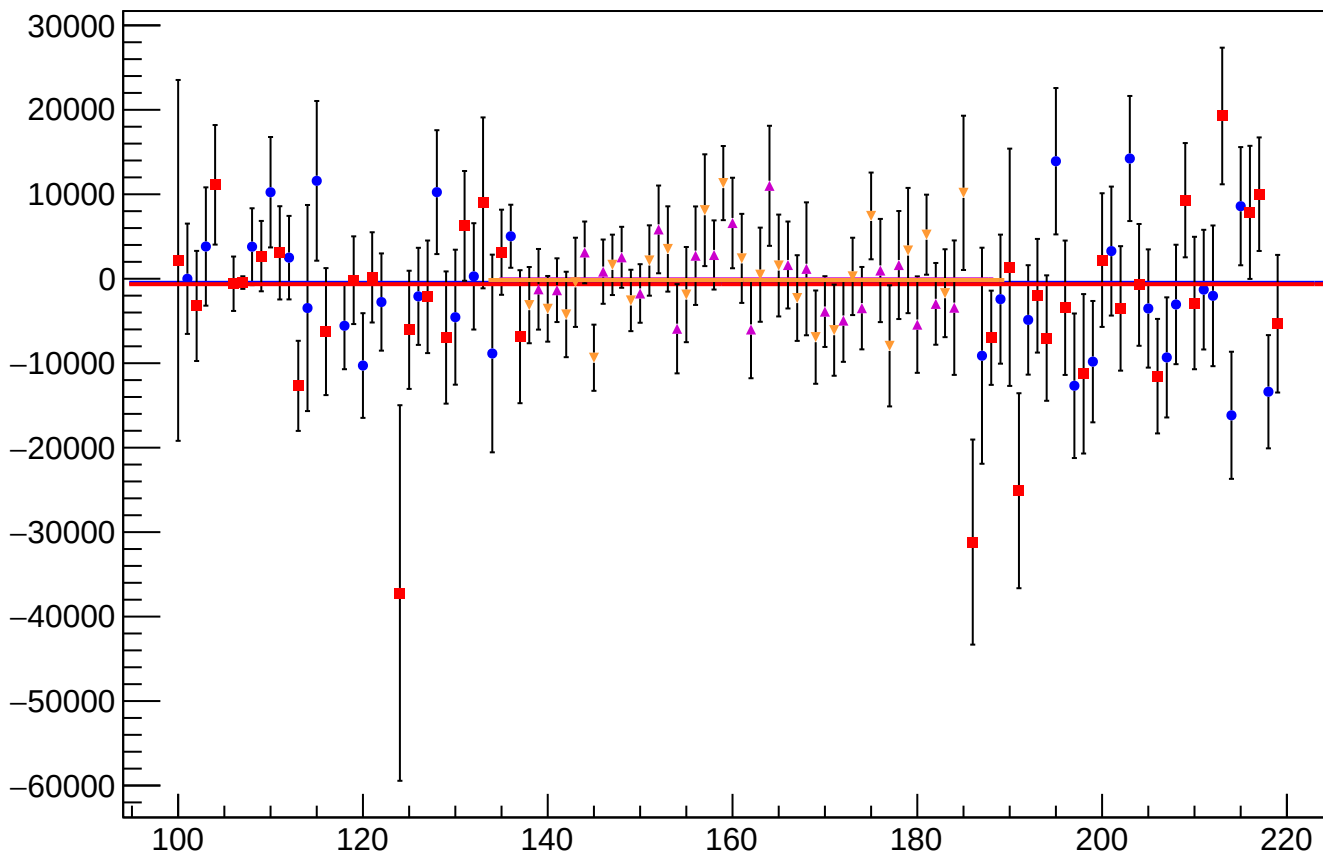
Left In: 1730.342+/-0.286 χ^2/NDF : 23075.7/22

+ sign 1777.663+/-0.200 χ^2/NDF : 495455.3/56

All: 1786.922+/-0.143 χ^2/NDF : 1062240.8/11

- sign 1796.394+/-0.203 χ^2/NDF : 562466.8/59

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug



Right In: -481.349 ± 1177.723 χ^2/NDF : 38.1/31

Left Out: -150.169 ± 984.986 χ^2/NDF : 26.9/24

Right Out: -645.316 ± 619.359 χ^2/NDF : 46.5/36

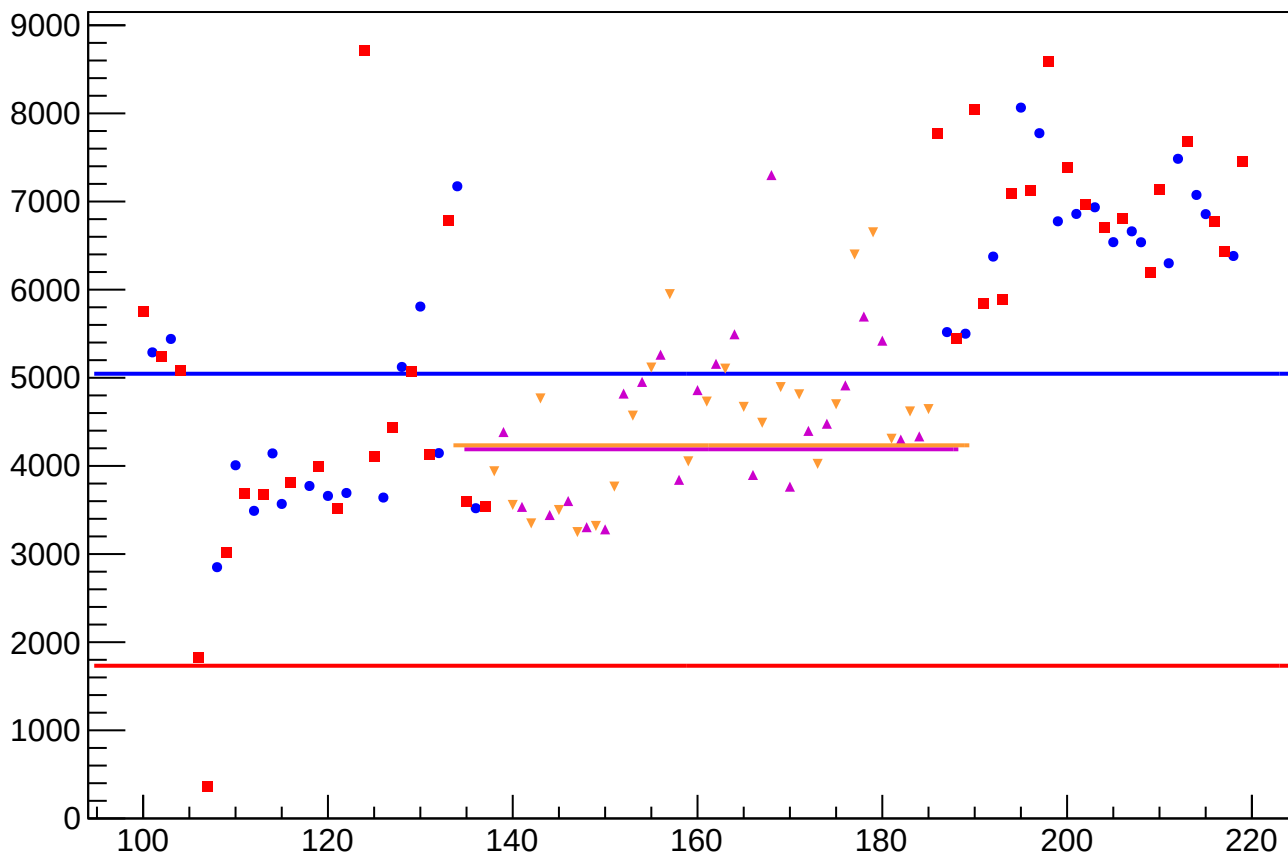
Left In: -65.171 ± 1000.108 χ^2/NDF : 14.0/22

+ sign -286.477 ± 755.566 χ^2/NDF : 65.0/56

All: -419.762 ± 432.002 χ^2/NDF : 125.8/116

- sign -484.496 ± 526.562 χ^2/NDF : 60.7/59

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 5045.954+/-0.833 χ^2/NDF : 3470622.6/31

Left Out: 4233.911+/-0.696 χ^2/NDF :1284785.6/24

Right Out: 1732.728+/-0.438 χ^2/NDF : 27145437.3/36

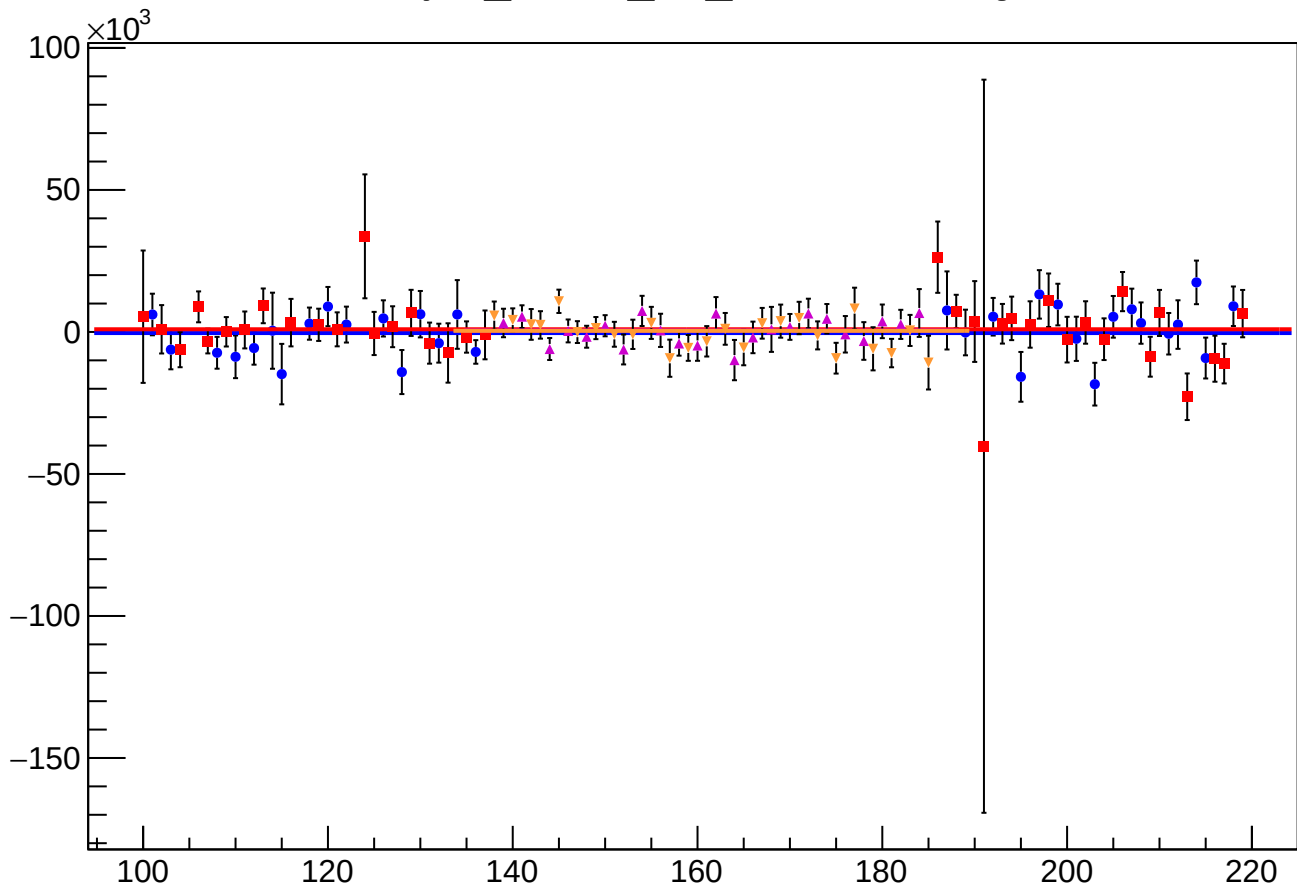
Left In: 4188.880+/-0.707 χ^2/NDF :1344607.0/22

+ sign 4568.135+/-0.534 χ^2/NDF : 5314891.0/56

All: 3117.933+/-0.305 χ^2/NDF : 53470153.5/1

- sign 2413.592+/-0.372 χ^2/NDF : 37208914.8/59

asym_atl1r2_dd_mean vs Slug



Right In: -388.599 ± 1268.816 χ^2/NDF : 42.3/31

Left Out: 398.336 ± 1028.431 χ^2/NDF : 24.7/24

Right Out: 946.487 ± 1199.098 χ^2/NDF : 37.6/36

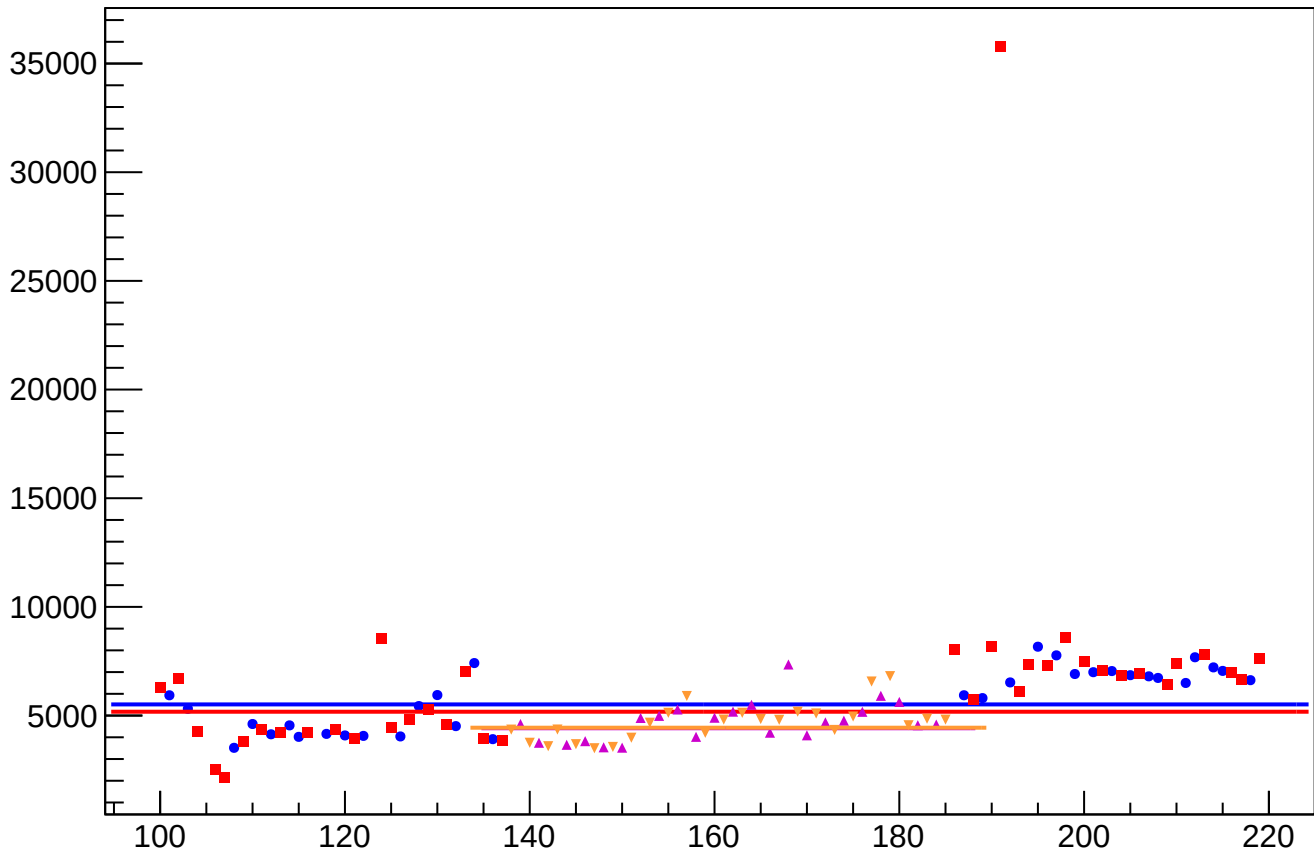
Left In: 502.999 ± 1049.682 χ^2/NDF : 17.3/22

+ sign 86.322 ± 798.944 χ^2/NDF : 67.3/56

All: 394.364 ± 561.682 χ^2/NDF : 122.6/116

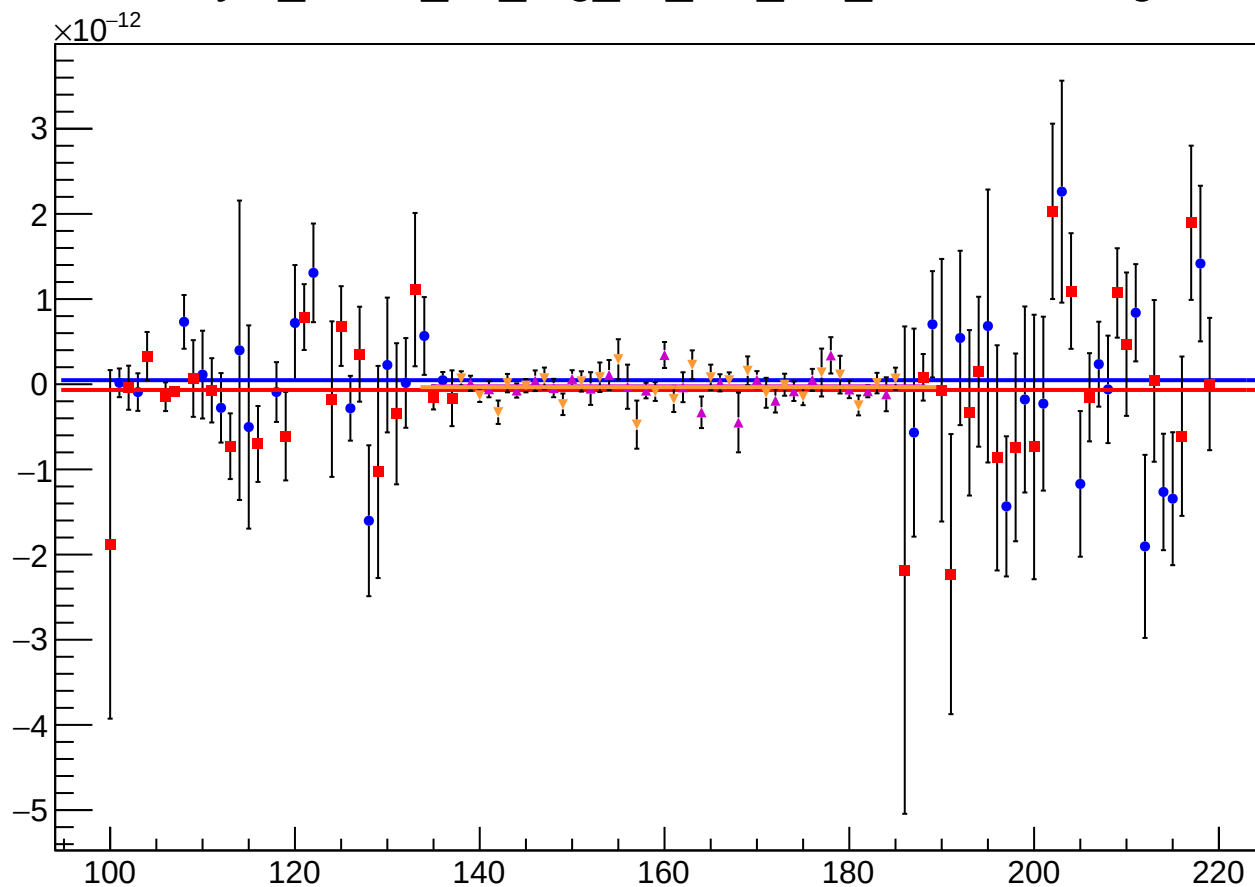
- sign 695.406 ± 789.812 χ^2/NDF : 55.0/59

asym_atl1r2_dd_rms vs Slug



Right In: 5512.833+/-0.897	χ^2/NDF : 2454770.0/31	+ sign 4865.860+/-0.565	χ^2/NDF : 4389524.5/56
Left Out: 4440.810+/-0.727	χ^2/NDF : 1073119.1/24	All: 4805.975+/-0.397	χ^2/NDF : 10561387.8/100
Right Out: 5176.324+/-0.843	χ^2/NDF : 4579174.2/36	- sign 4747.757+/-0.557	χ^2/NDF : 6149703.1/59
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 ± 0.000 χ^2/NDF : 42.0/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 28.5/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 41.1/36

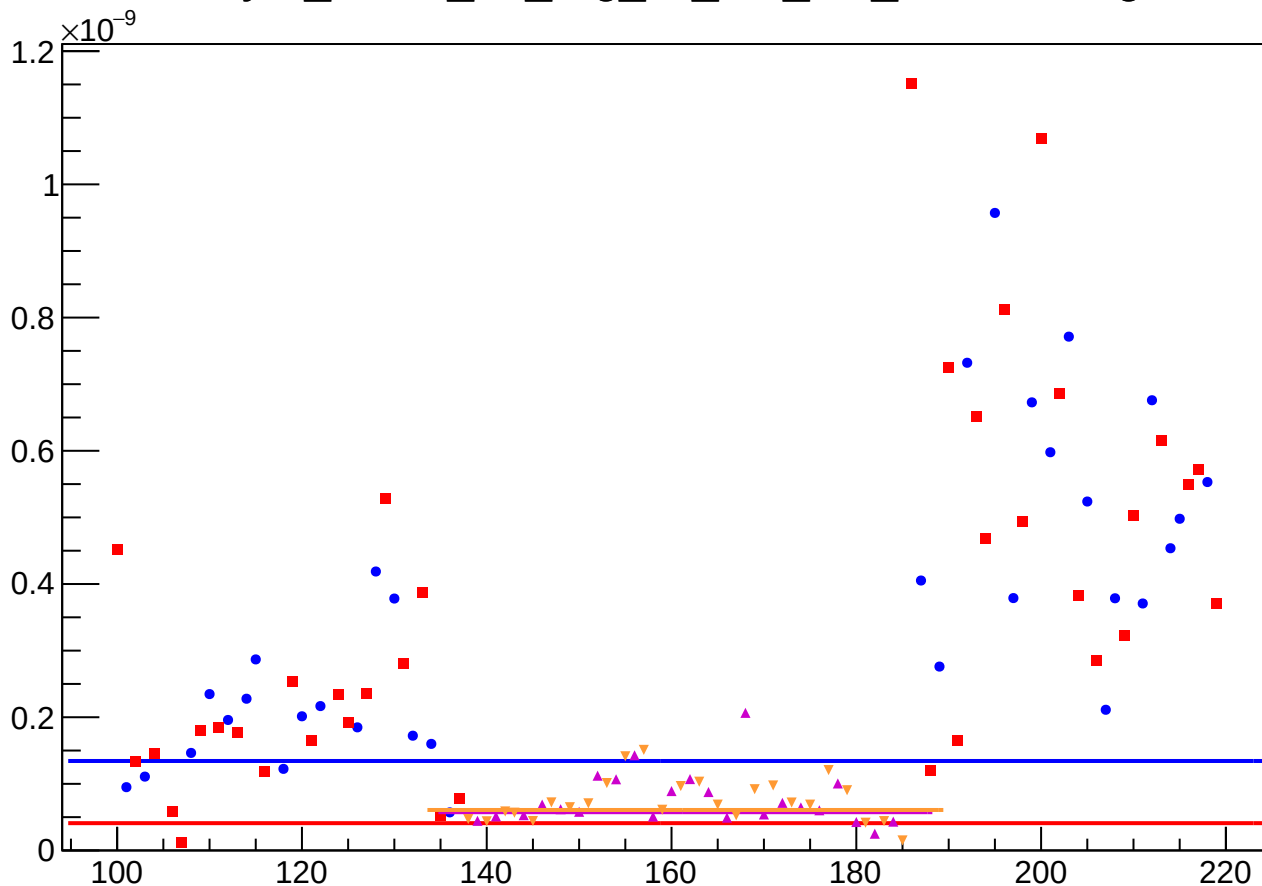
Left In: -0.000 ± 0.000 χ^2/NDF : 19.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 71.9/56

All: -0.000 ± 0.000 χ^2/NDF : 133.6/116

- sign -0.000 ± 0.000 χ^2/NDF : 61.5/59

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7952923.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 13918385.7/36

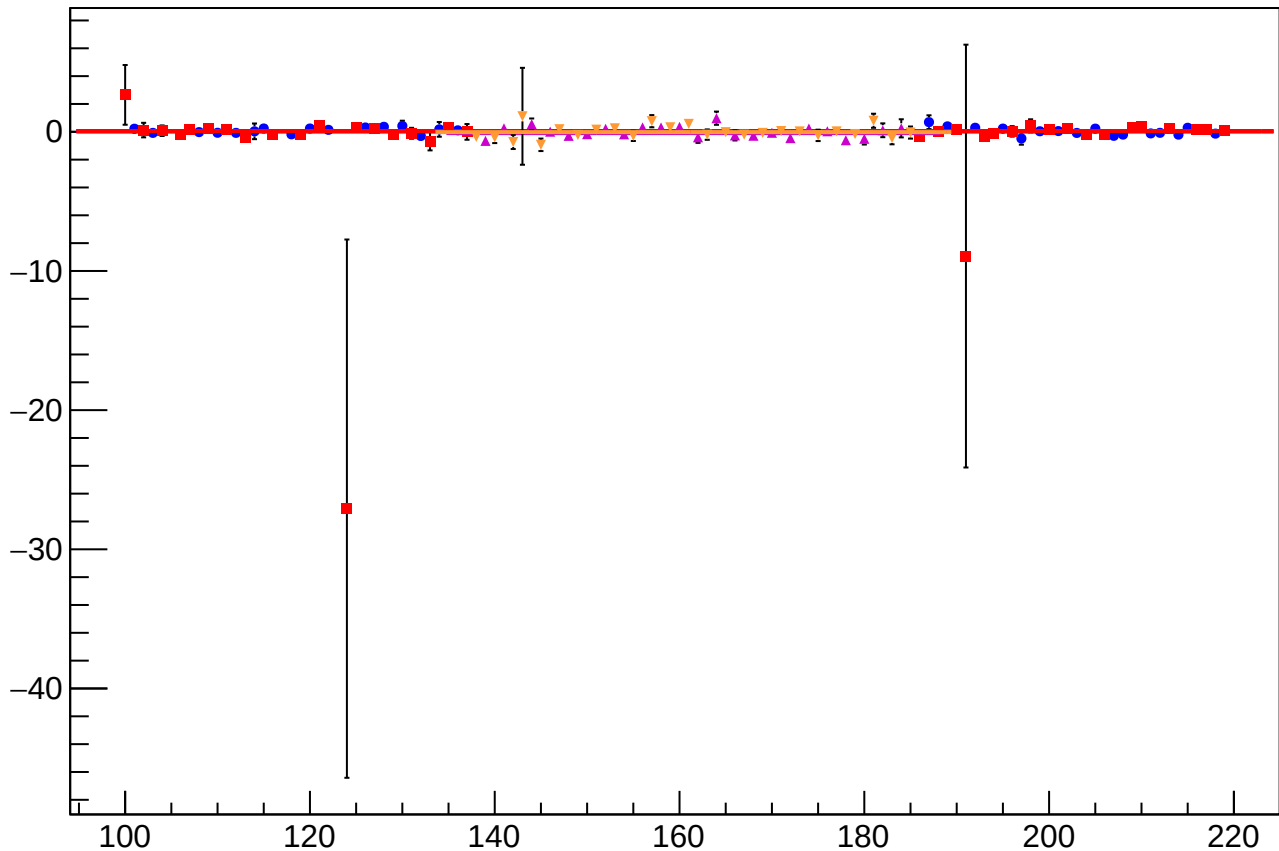
Left In: 0.000+/-0.000 χ^2/NDF : 1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 11949614.4/56

All: 0.000+/-0.000 χ^2/NDF : 28833978.6/116

- sign 0.000+/-0.000 χ^2/NDF : 16122176.4/59

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 25.8/31

Left Out: -0.024 ± 0.062 χ^2/NDF : 23.5/24

Right Out: 0.058 ± 0.039 χ^2/NDF : 37.6/36

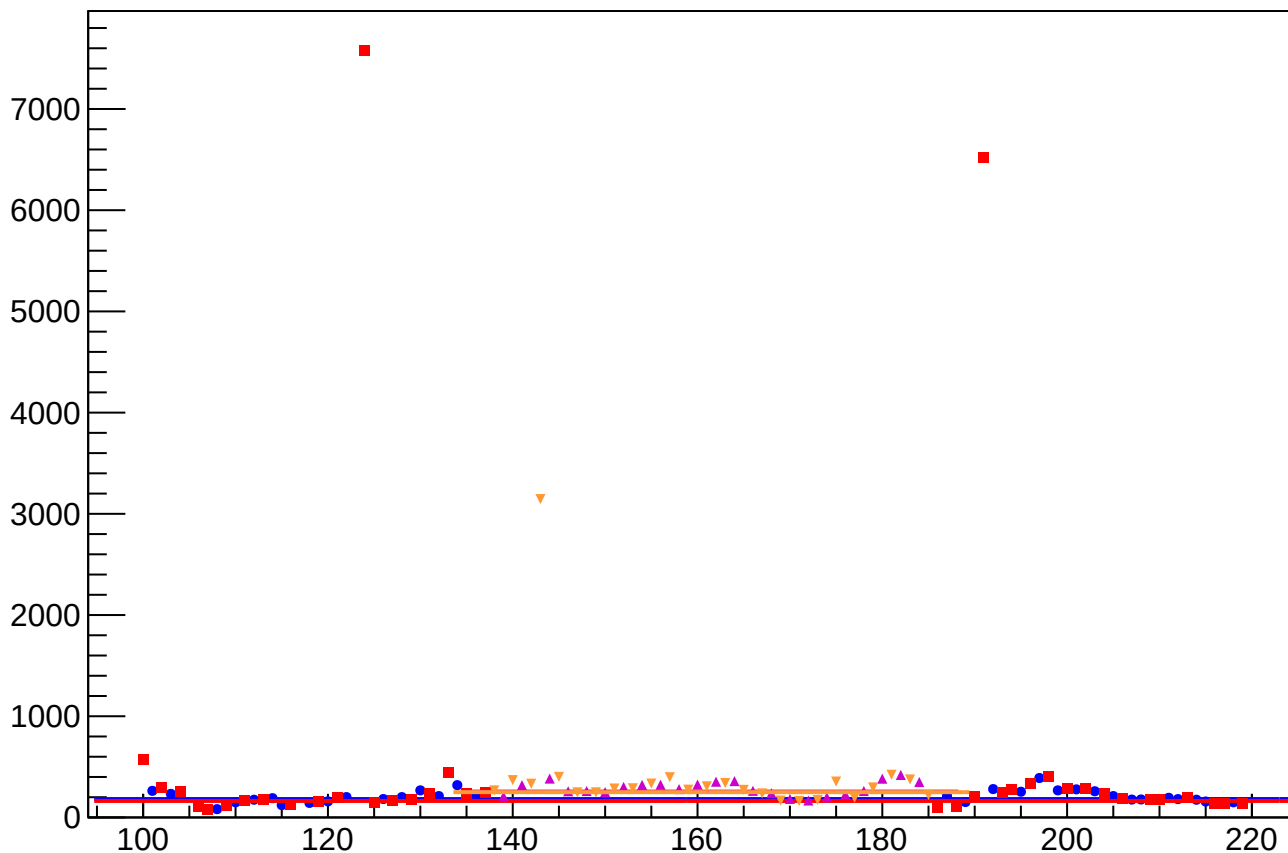
Left In: -0.095 ± 0.063 χ^2/NDF : 31.5/22

+ sign 0.008 ± 0.035 χ^2/NDF : 49.7/56

All: 0.012 ± 0.024 χ^2/NDF : 123.1/116

- sign 0.015 ± 0.033 χ^2/NDF : 73.4/59

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 181.660 $\pm$ 0.030 χ^2 /NDF: 3123870.8/31

Left Out: 249.848 $\pm$ 0.044 χ^2 /NDF: 4234507.4/24

Right Out: 163.215 $\pm$ 0.028 χ^2 /NDF: 5503727.4/36

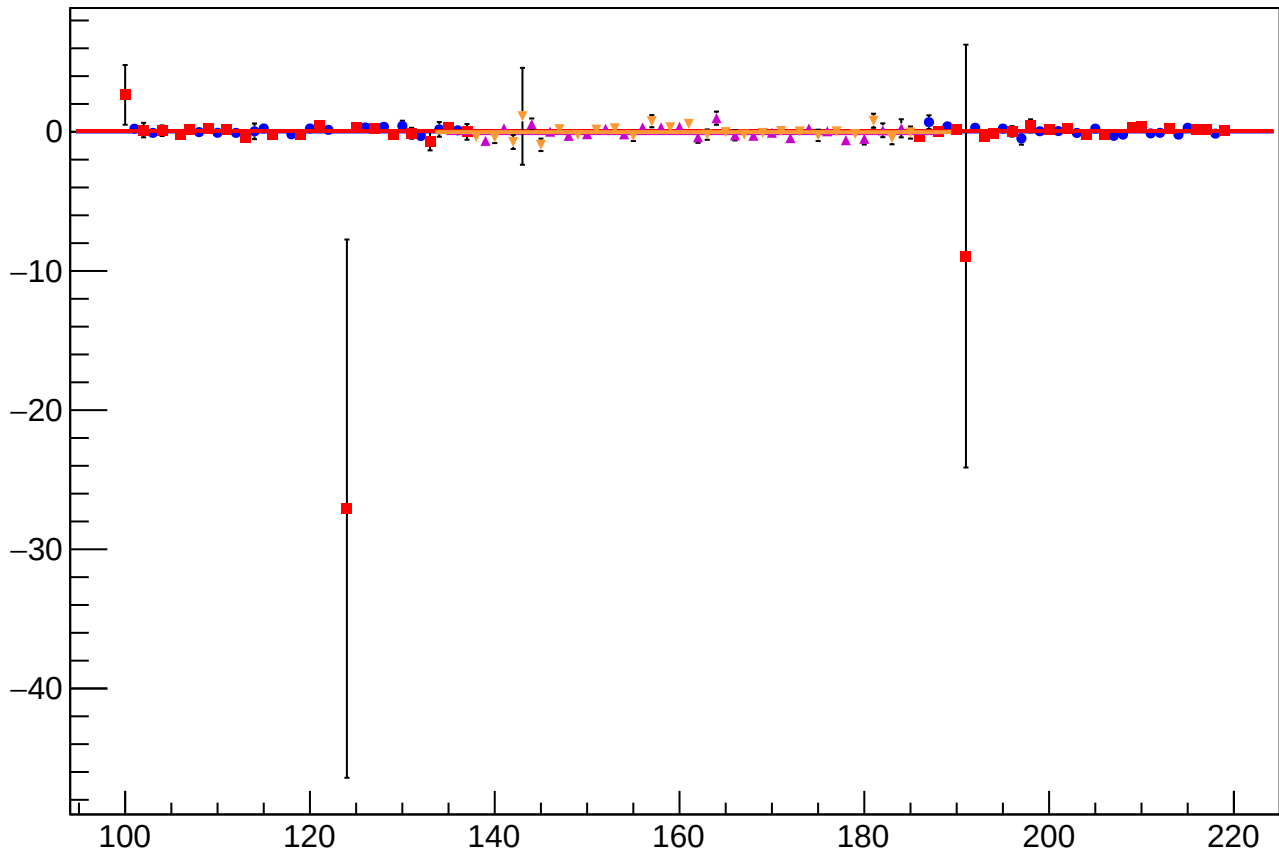
Left In: 255.299 $\pm$ 0.045 χ^2 /NDF: 2111552.0/22

+ sign 204.054 $\pm$ 0.025 χ^2 /NDF: 9003227.6/56

All: 196.006 $\pm$ 0.017 χ^2 /NDF: 19896829.1/11

- sign 188.870 $\pm$ 0.024 χ^2 /NDF: 10697621.4/59

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.043 χ^2/NDF : 25.8/31

Left Out: -0.024+/-0.062 χ^2/NDF : 23.5/24

Right Out: 0.058+/-0.039 χ^2/NDF : 37.6/36

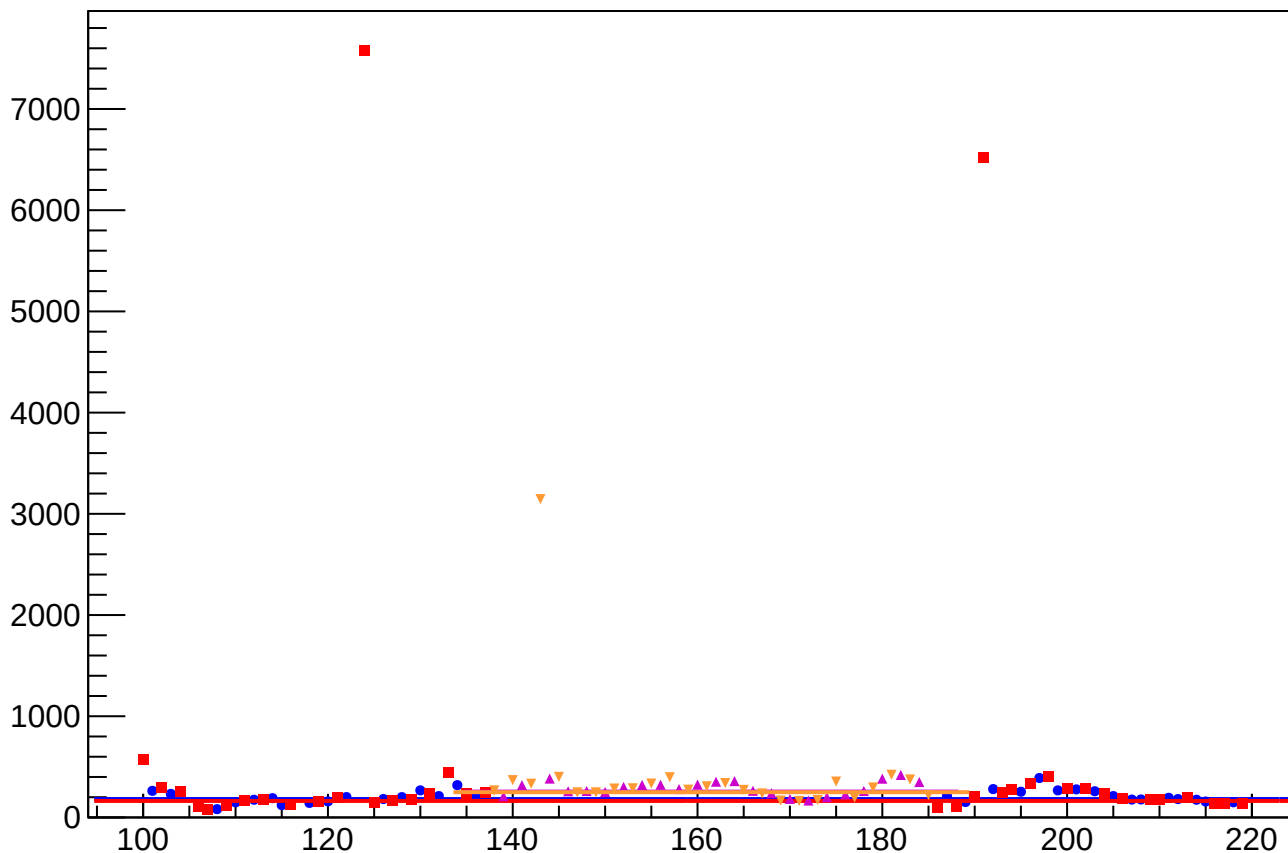
Left In: -0.095+/-0.063 χ^2/NDF : 31.5/22

+ sign 0.008+/-0.035 χ^2/NDF : 49.7/56

All: 0.012+/-0.024 χ^2/NDF : 123.1/116

- sign 0.015+/-0.033 χ^2/NDF : 73.4/59

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 181.660 $\pm$ 0.030 χ^2 /NDF: 3123870.8/31

Left Out: 249.848 $\pm$ 0.044 χ^2 /NDF: 4234507.4/24

Right Out: 163.215 $\pm$ 0.028 χ^2 /NDF: 5503727.4/36

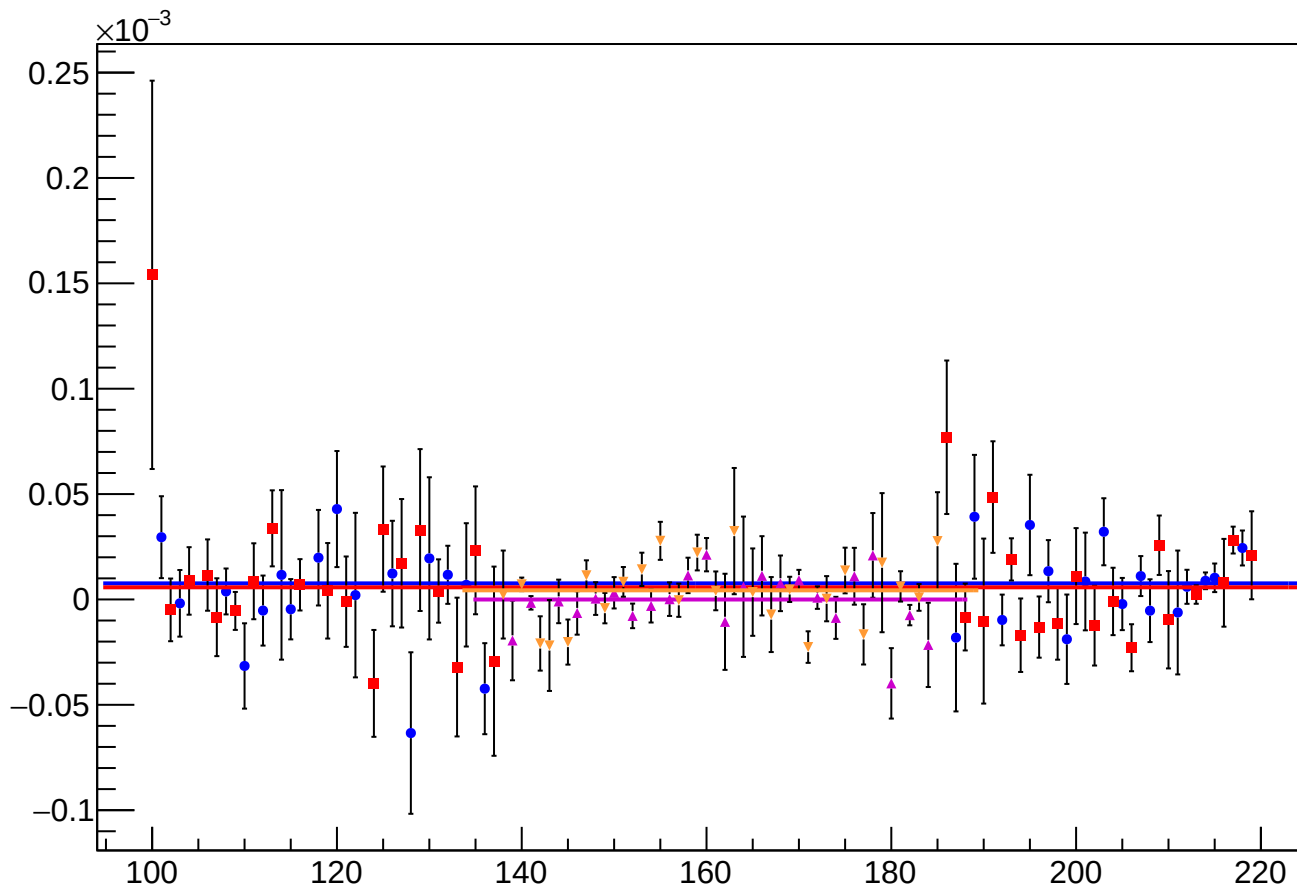
Left In: 255.299 $\pm$ 0.045 χ^2 /NDF: 2111552.0/22

+ sign 204.054 $\pm$ 0.025 χ^2 /NDF: 9003227.6/56

All: 196.006 $\pm$ 0.017 χ^2 /NDF: 19896829.1/11

- sign 188.870 $\pm$ 0.024 χ^2 /NDF: 10697621.4/59

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.1/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 46.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 52.3/36

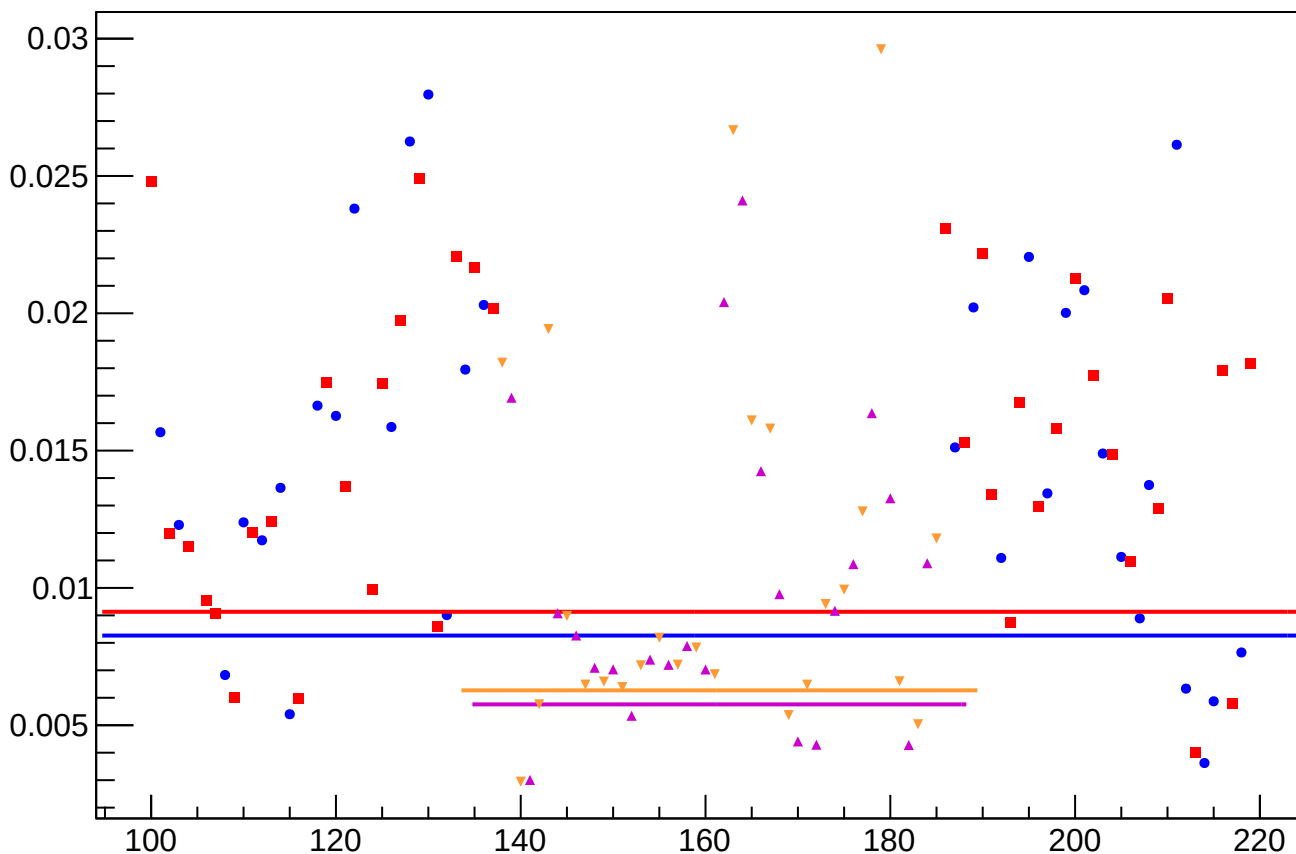
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 29.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 80.6/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 170.1/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 85.6/59

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 10712297.8/31

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 7909965.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 10187517.1/36

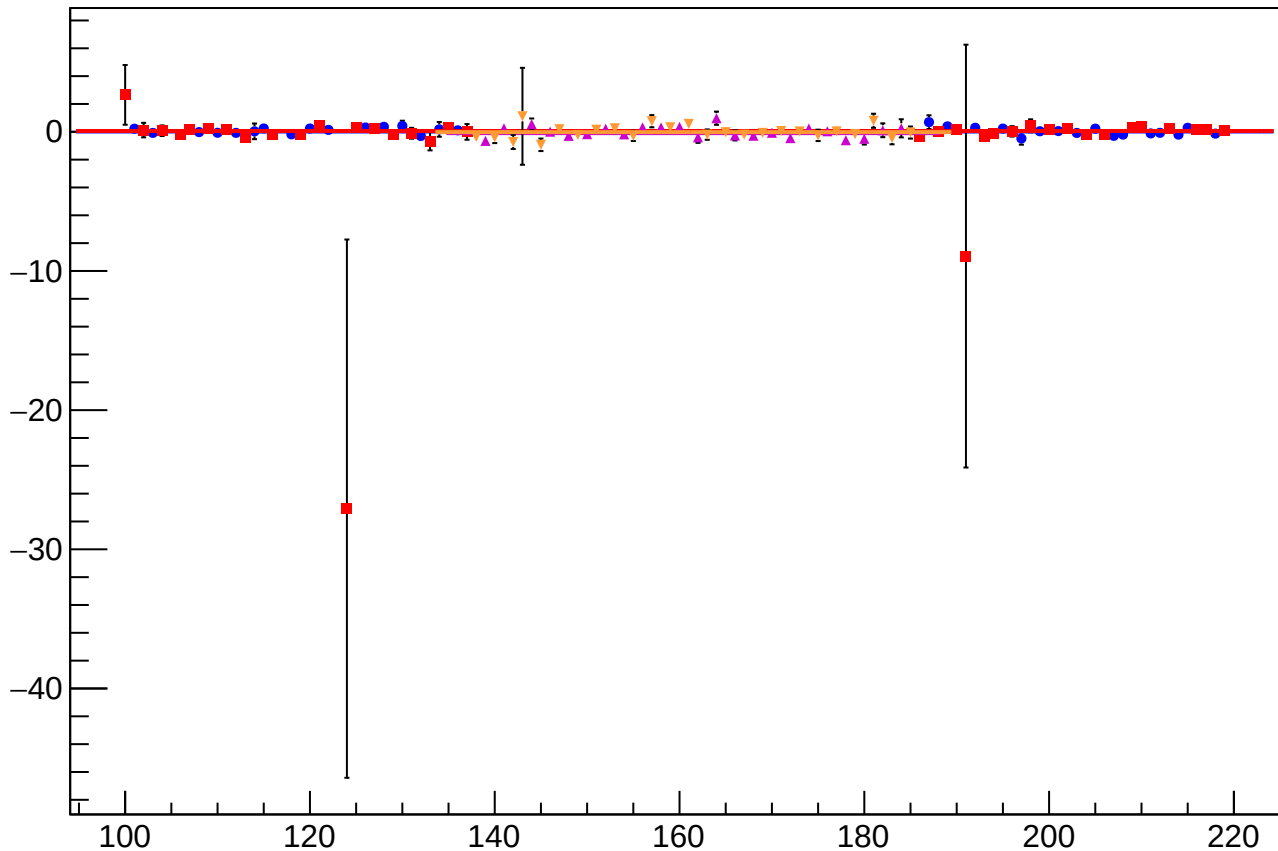
Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 7081814.9/22

+ sign 0.007 $\pm$ 0.000 χ^2/NDF : 19665049.9/56

All: 0.007 $\pm$ 0.000 χ^2/NDF : 39865247.3/116

- sign 0.007 $\pm$ 0.000 χ^2/NDF : 20188637.5/59

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.043 χ^2/NDF : 25.8/31

Left Out: -0.024 ± 0.062 $\chi^2/\text{NDF}: 23.5/24$

Right Out: 0.058 ± 0.039 χ^2/NDF : 37.6/36

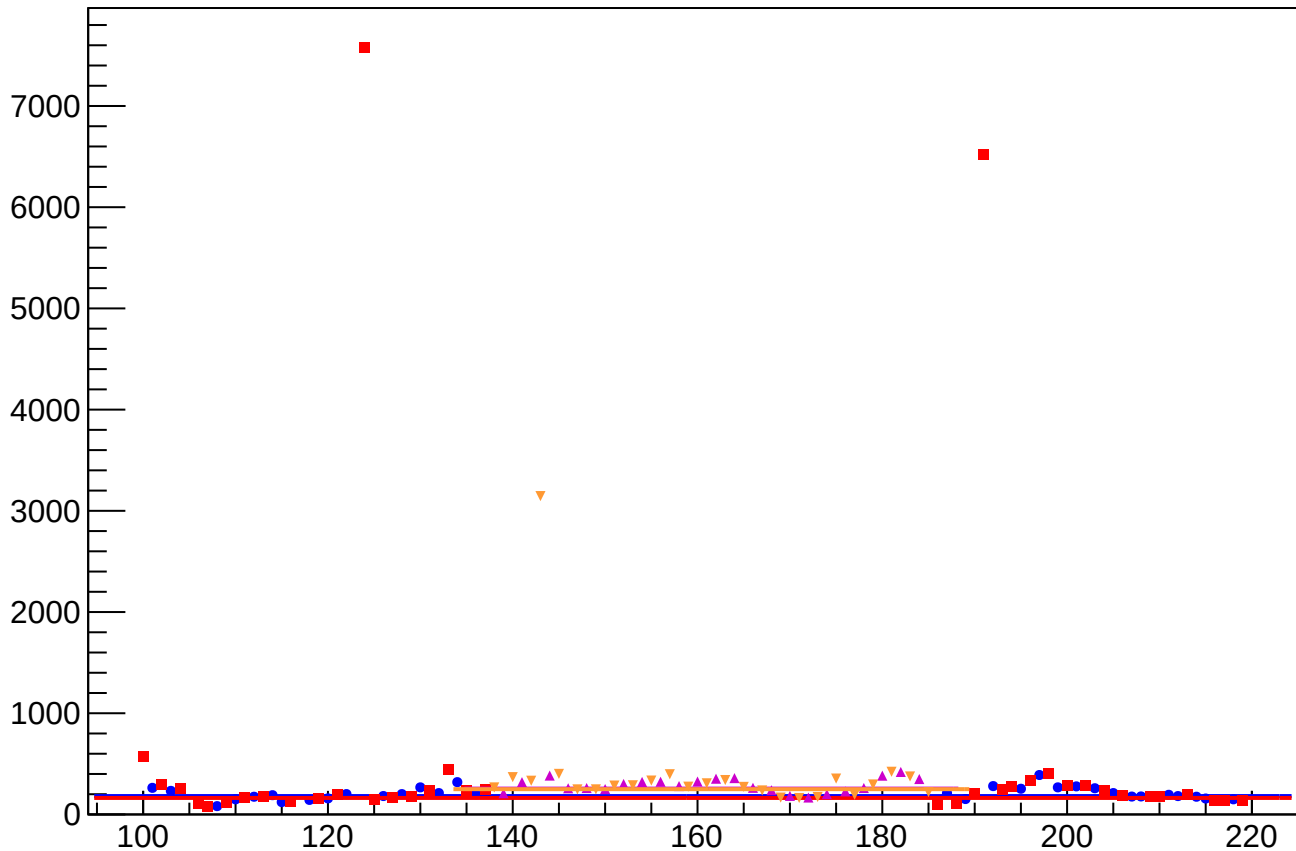
Left In: -0.095+/-0.063 χ^2/NDF :31.5/22

+ sign 0.008 $\pm$ 0.035 χ^2 /NDF: 49.7/56

All: 0.012 ± 0.024 χ^2/NDF : 123.1/116

- sign 0.015 ± 0.033 χ^2/NDF : 73.4/59

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 181.659+/-0.030 χ^2/NDF : 3123938.7/31

Left Out: 249.850+/-0.044 χ^2/NDF : 4234600.7/24

Right Out: 163.217+/-0.028 χ^2/NDF : 5503577.1/36

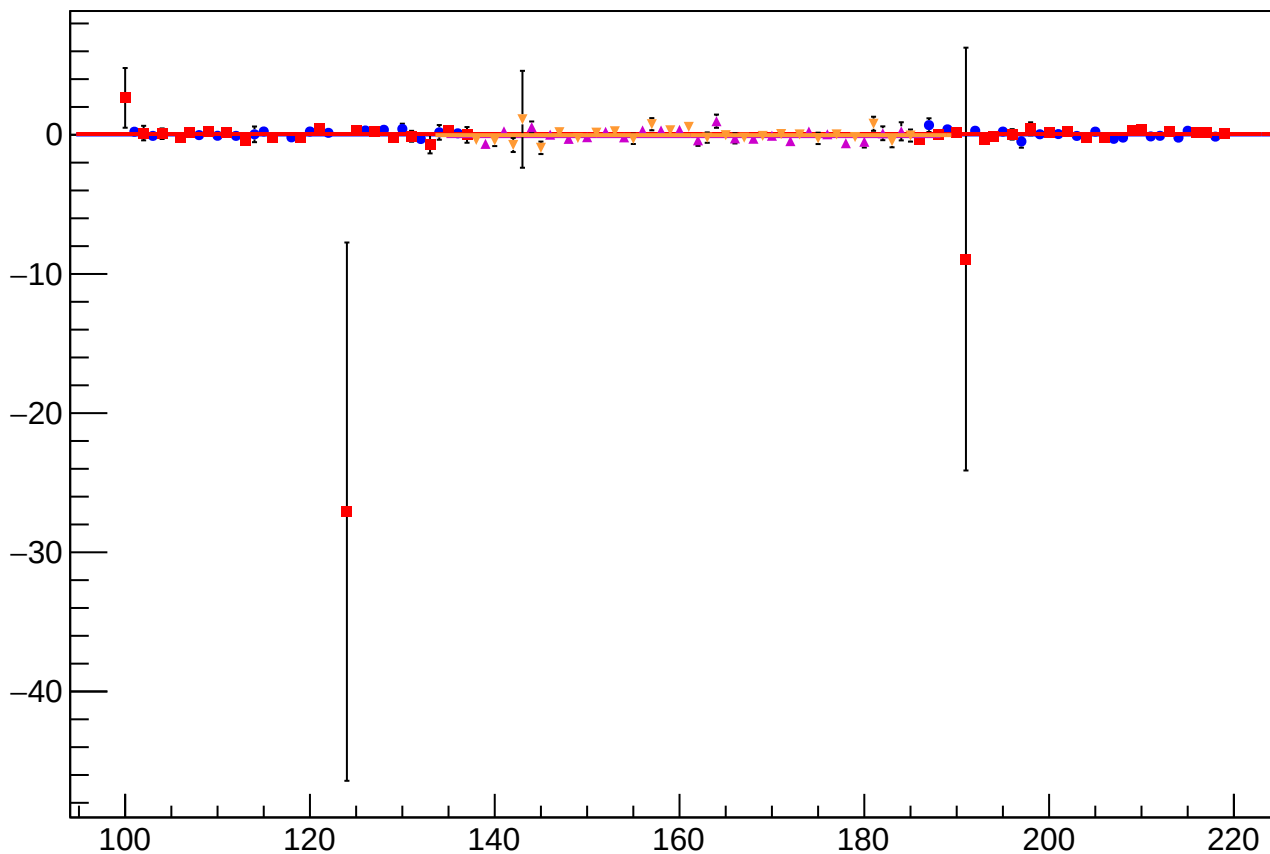
Left In: 255.302+/-0.045 χ^2/NDF : 2111585.0/22

+ sign 204.053+/-0.025 χ^2/NDF : 9003489.9/56

All: 196.008+/-0.017 χ^2/NDF : 19896861.7/11

- sign 188.872+/-0.024 χ^2/NDF : 10697458.2/59

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 25.8/31

Left Out: -0.024 ± 0.062 χ^2/NDF : 23.5/24

Right Out: 0.058 ± 0.039 χ^2/NDF : 37.6/36

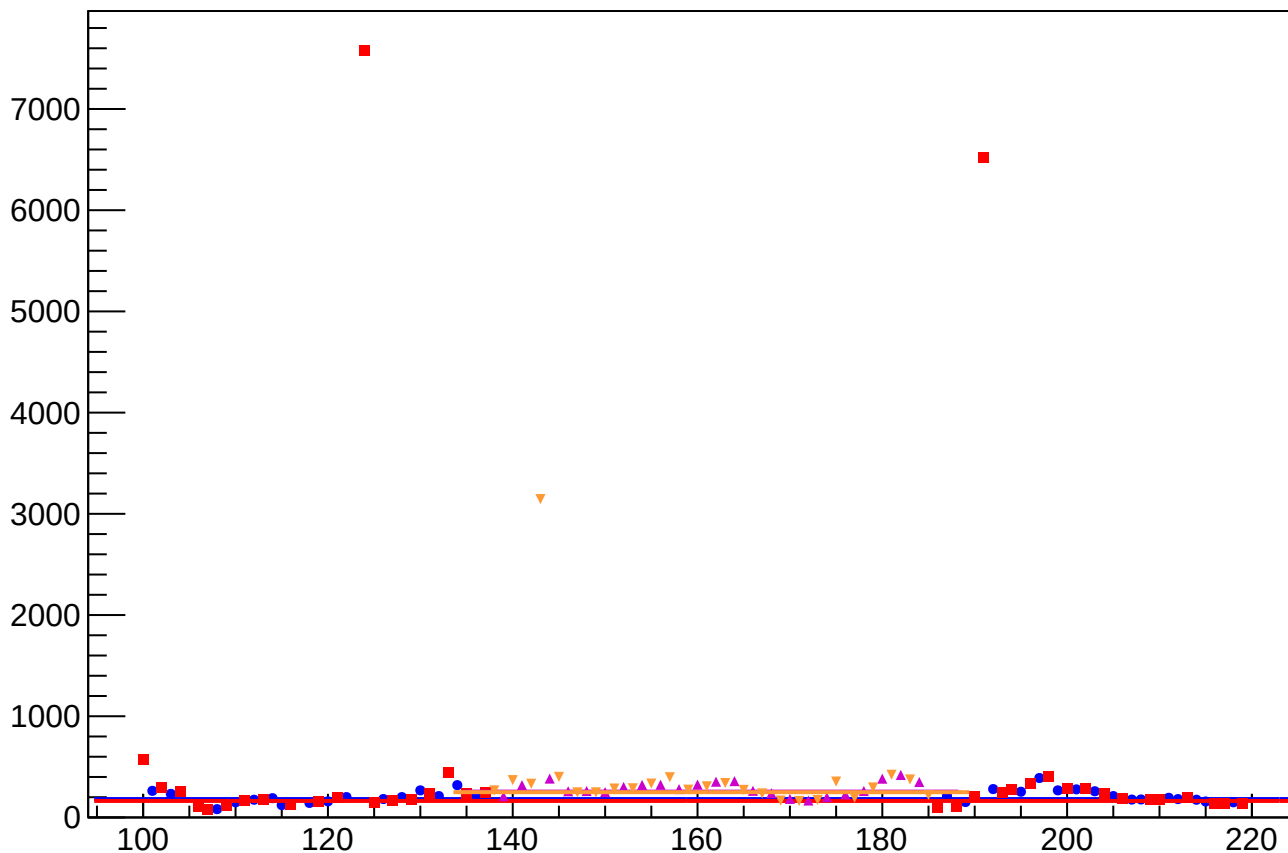
Left In: -0.095 ± 0.063 χ^2/NDF : 31.5/22

+ sign 0.008 ± 0.035 χ^2/NDF : 49.7/56

All: 0.012 ± 0.024 χ^2/NDF : 123.1/116

- sign 0.015 ± 0.033 χ^2/NDF : 73.4/59

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 181.659 $\pm$ 0.030 χ^2 /NDF: 3123938.7/31

Left Out: 249.850 $\pm$ 0.044 χ^2 /NDF: 4234600.7/24

Right Out: 163.217 $\pm$ 0.028 χ^2 /NDF: 5503577.1/36

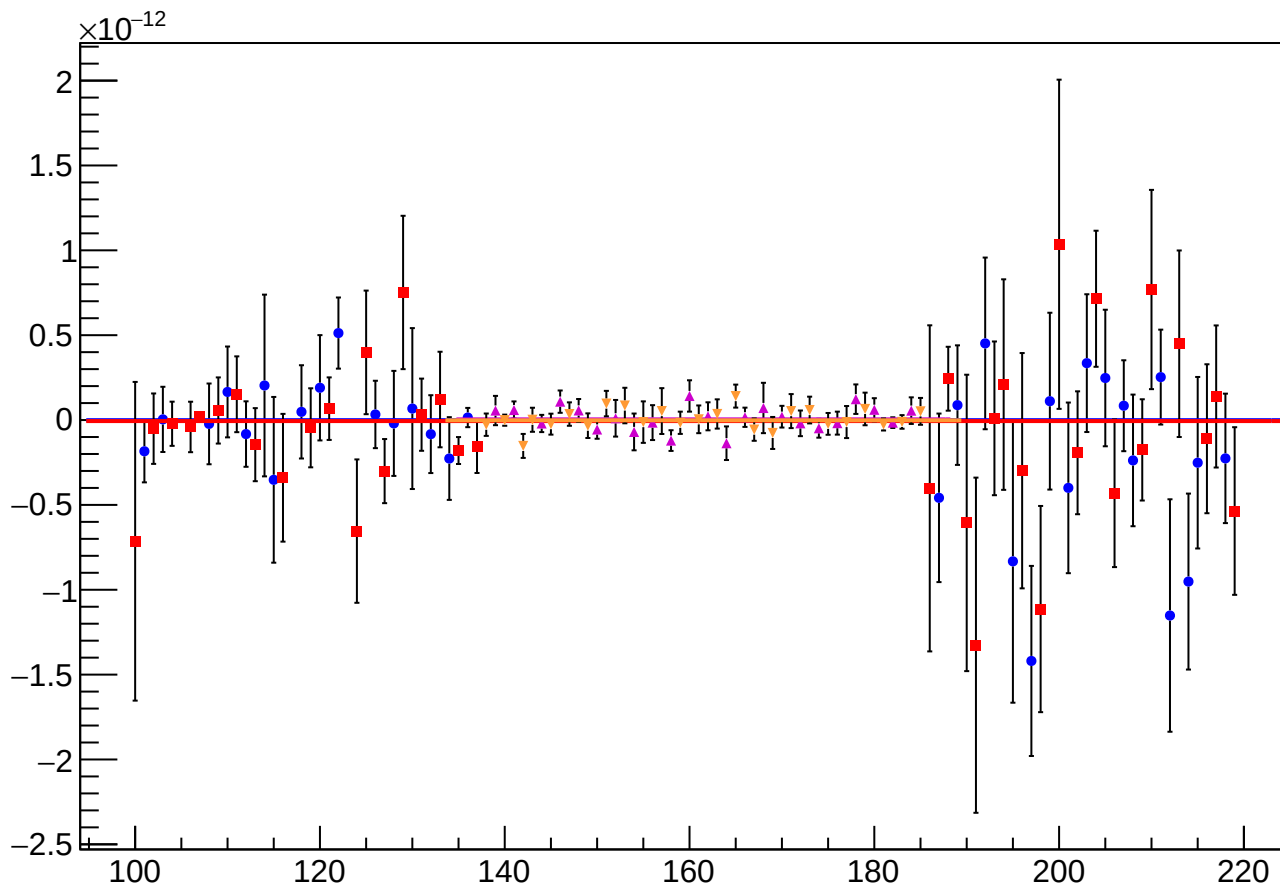
Left In: 255.302 $\pm$ 0.045 χ^2 /NDF: 2111585.0/22

+ sign 204.053 $\pm$ 0.025 χ^2 /NDF: 9003489.9/56

All: 196.008 $\pm$ 0.017 χ^2 /NDF: 19896861.7/11

- sign 188.872 $\pm$ 0.024 χ^2 /NDF: 10697458.2/59

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 28.7/31

Left Out: -0.000+/-0.000 χ^2/NDF : 16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF : 35.9/36

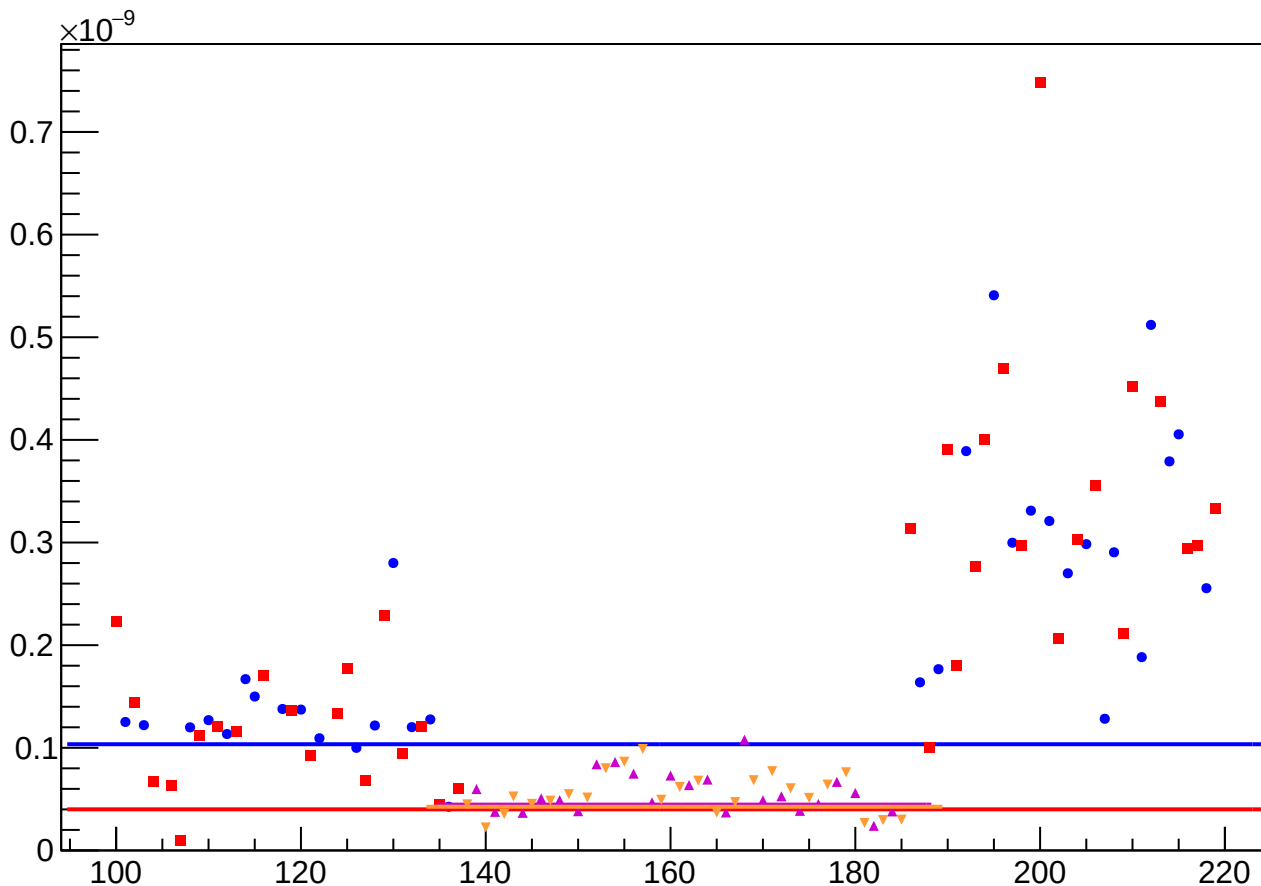
Left In: 0.000+/-0.000 χ^2/NDF : 19.9/22

+ sign -0.000+/-0.000 χ^2/NDF : 45.1/56

All: 0.000+/-0.000 χ^2/NDF : 101.0/116

- sign 0.000+/-0.000 χ^2/NDF : 55.9/59

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8887310.5/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 17206004.5/36

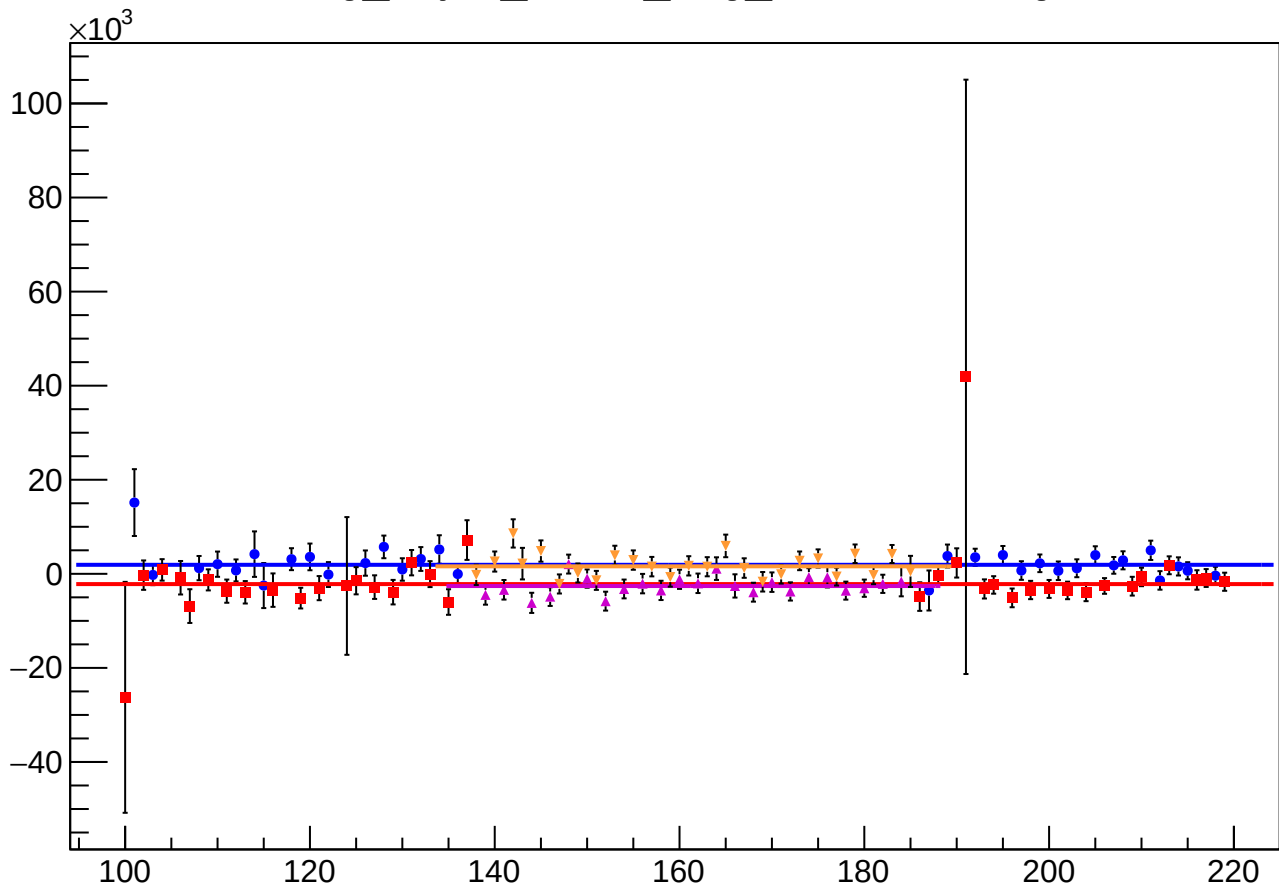
Left In: 0.000+/-0.000 χ^2/NDF : 2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 16865431.9/56

All: 0.000+/-0.000 χ^2/NDF : 37187228.6/116

- sign 0.000+/-0.000 χ^2/NDF : 20138422.0/59

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1917.365 ± 397.494 χ^2/NDF : 25.8/31

Left Out: 1592.464 ± 423.298 χ^2/NDF : 31.3/24

Right Out: -2182.961 ± 388.998 χ^2/NDF : 33.5/36

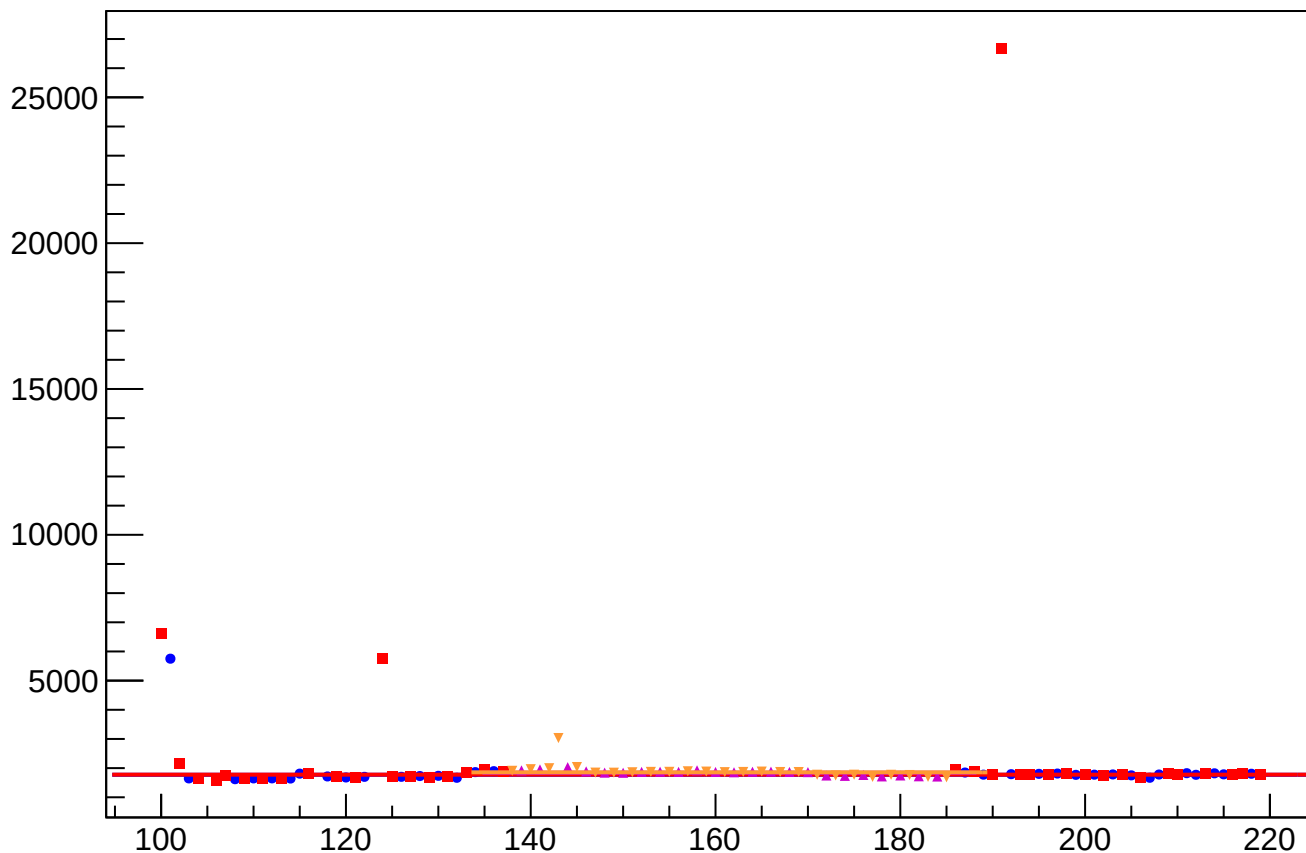
Left In: -2597.740 ± 430.293 χ^2/NDF : 20.1/22

+ sign 1765.119 ± 289.764 χ^2/NDF : 57.4/56

All: -310.788 ± 204.467 χ^2/NDF : 213.7/116

- sign -2369.497 ± 288.561 χ^2/NDF : 54.0/59

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1770.630+/-0.281 χ^2 /NDF: 685330.4/31

Left Out: 1855.560+/-0.299 χ^2 /NDF: 324267.7/24

Right Out: 1775.675+/-0.274 χ^2 /NDF: 649668.5/36

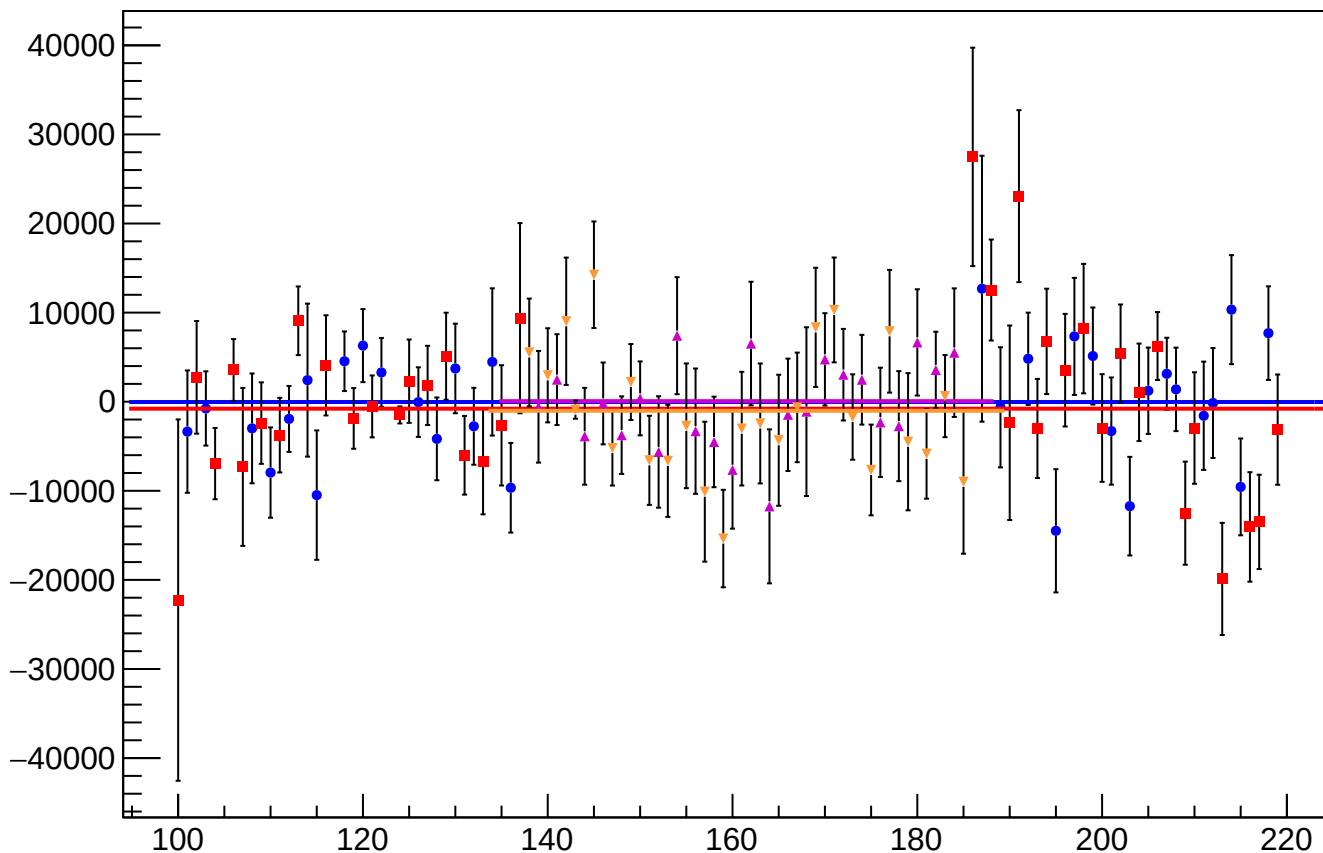
Left In: 1840.981+/-0.304 χ^2 /NDF: 70985.8/22

+ sign 1810.427+/-0.205 χ^2 /NDF: 1052382.3/56

All: 1807.679+/-0.144 χ^2 /NDF: 1798804.4/11

- sign 1804.961+/-0.204 χ^2 /NDF: 746064.1/59

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -34.431 ± 903.037 χ^2/NDF : 37.9/31

Left Out: -1018.861 ± 771.816 χ^2/NDF : 33.7/24

Right Out: -783.706 ± 646.564 χ^2/NDF : 69.8/36

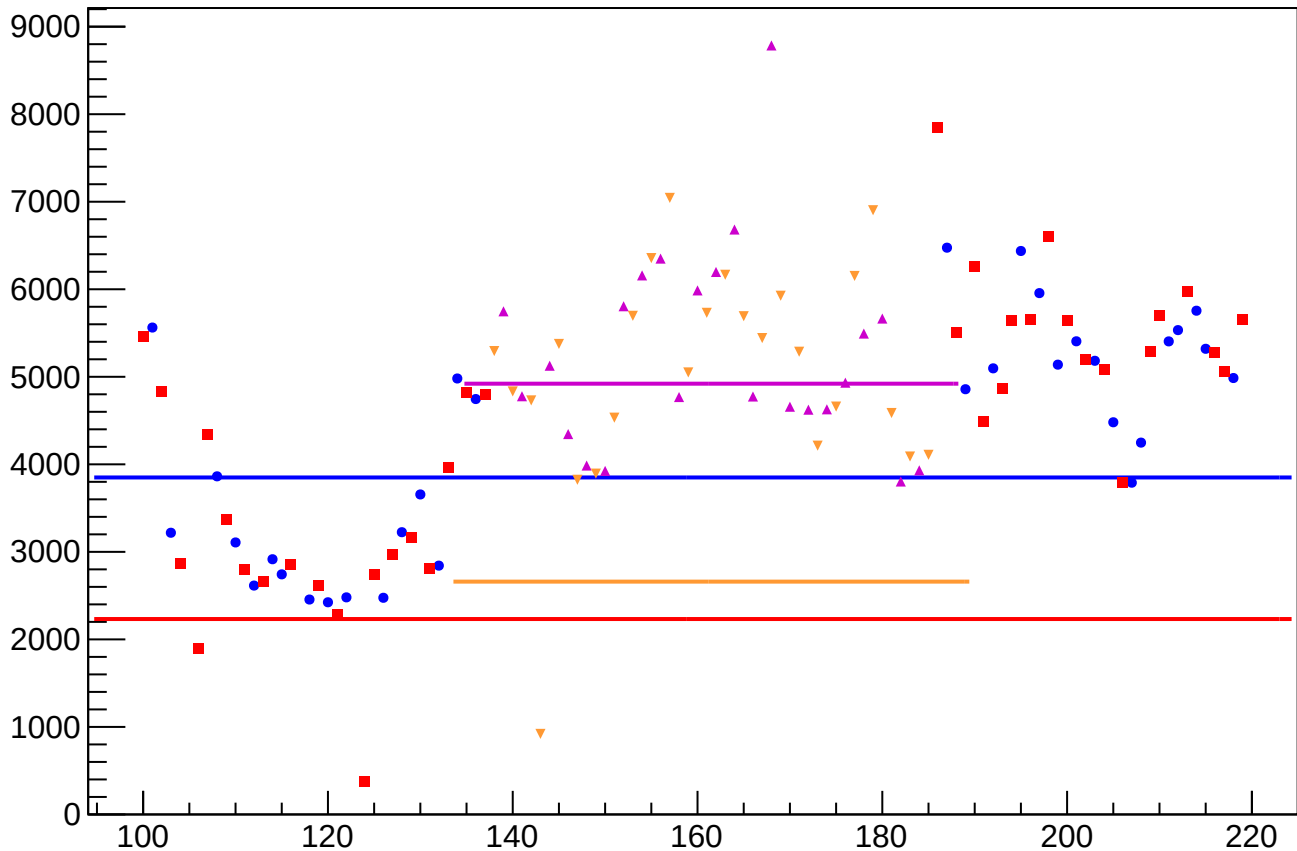
Left In: 62.369 ± 1173.429 χ^2/NDF : 13.0/22

+ sign -603.303 ± 586.717 χ^2/NDF : 72.3/56

All: -594.686 ± 407.458 χ^2/NDF : 155.5/116

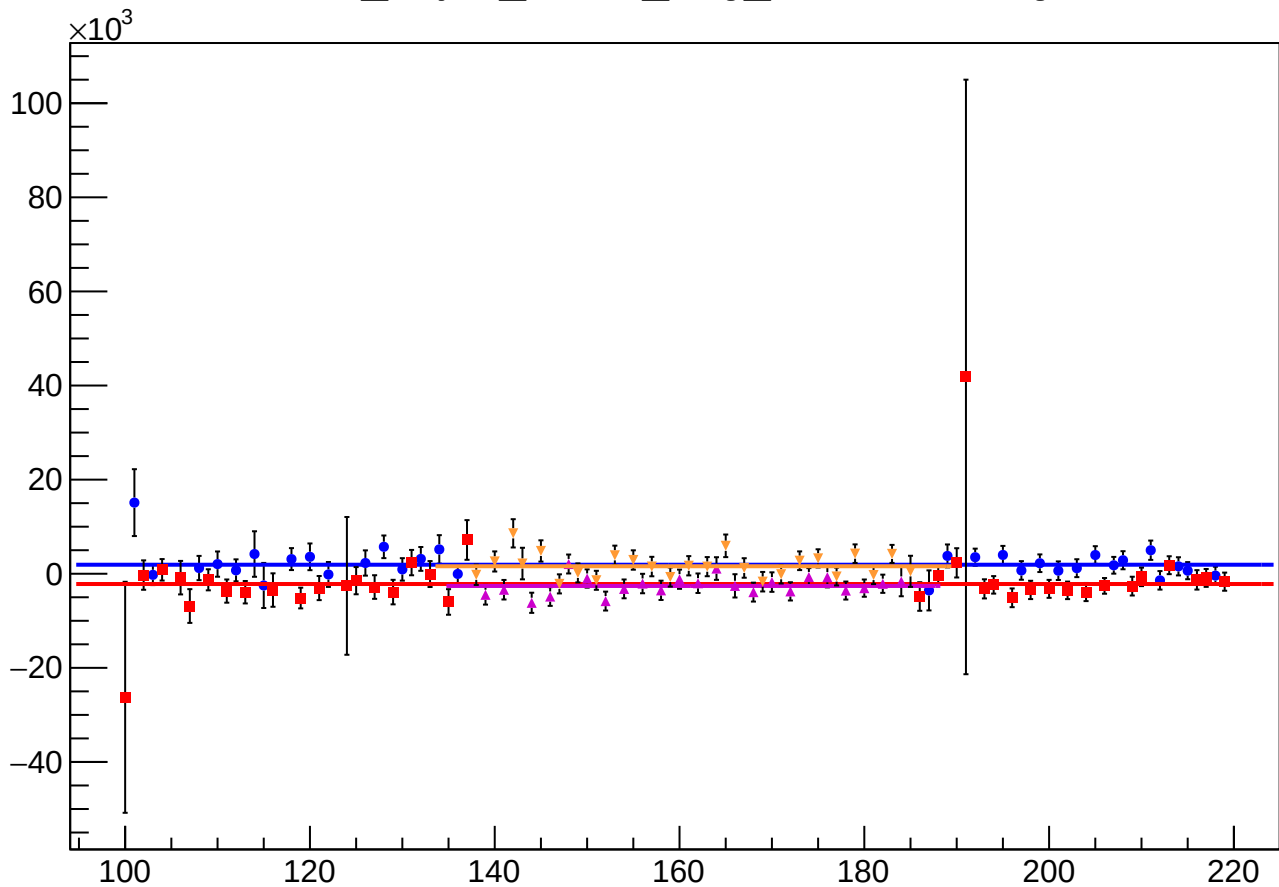
- sign -586.658 ± 566.290 χ^2/NDF : 83.2/59

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3849.920+/-0.639	χ^2/NDF : 3677005.4/31	+ sign 3162.307+/-0.415	χ^2/NDF : 20219759.1/56
Left Out: 2660.009+/-0.546	χ^2/NDF : 14536074.6/24	All: 3005.194+/-0.288	χ^2/NDF : 48477110.0/31
Right Out: 2232.648+/-0.457	χ^2/NDF : 18674589.1/36	- sign 2858.831+/-0.400	χ^2/NDF : 27980331.8/59
Left In: 4921.319+/-0.830	χ^2/NDF : 1251123.1/22		

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1917.168 ± 397.494 χ^2/NDF : 25.8/31

Left Out: 1592.431 ± 423.298 χ^2/NDF : 31.3/24

Right Out: -2182.995 ± 388.998 χ^2/NDF : 33.4/36

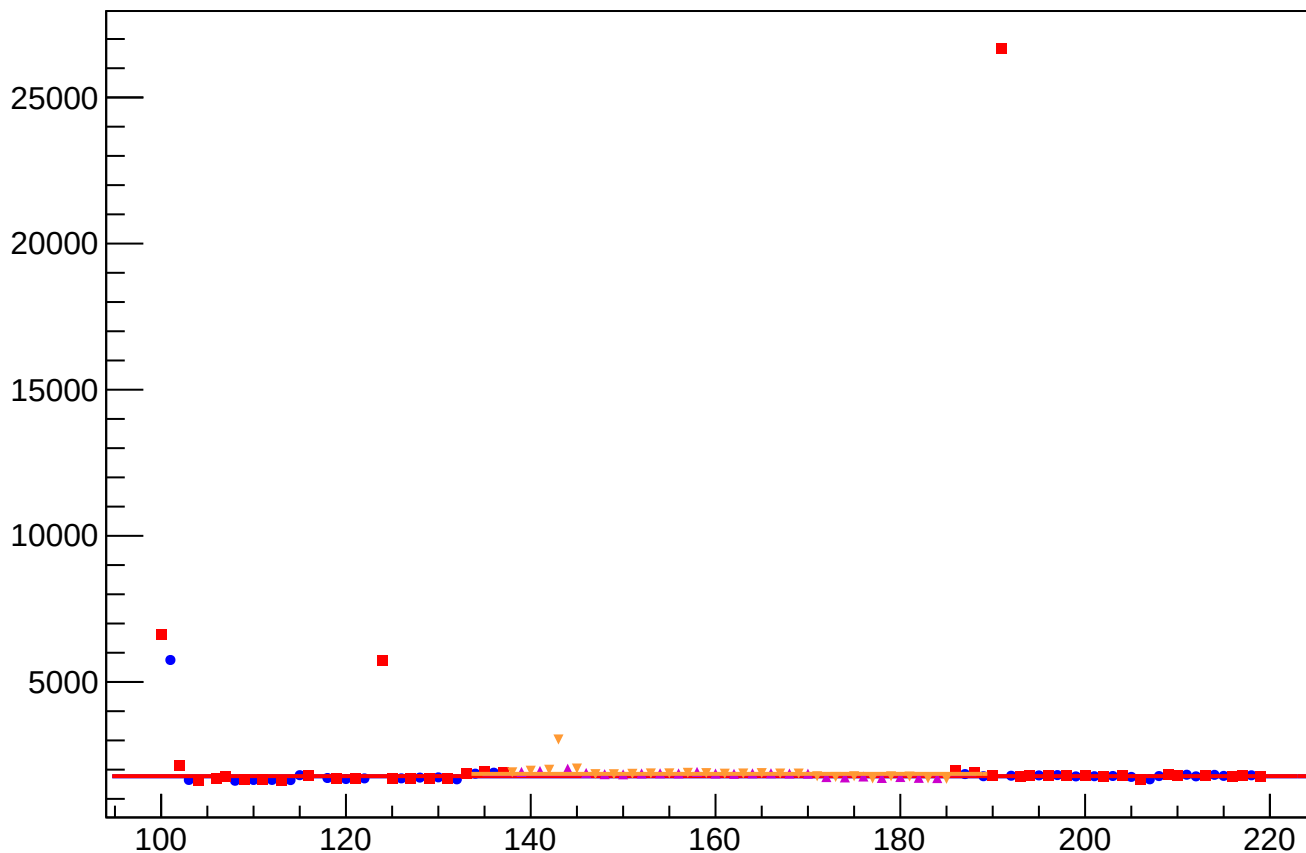
Left In: -2597.812 ± 430.293 χ^2/NDF : 20.1/22

+ sign 1764.999 ± 289.764 χ^2/NDF : 57.4/56

All: -310.873 ± 204.467 χ^2/NDF : 213.7/116

- sign -2369.548 ± 288.561 χ^2/NDF : 54.0/59

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1770.630 $\pm$ 0.281 χ^2 /NDF: 685330.6/31

Left Out: 1855.560 $\pm$ 0.299 χ^2 /NDF: 324267.7/24

Right Out: 1778.142 $\pm$ 0.275 χ^2 /NDF: 640840.1/36

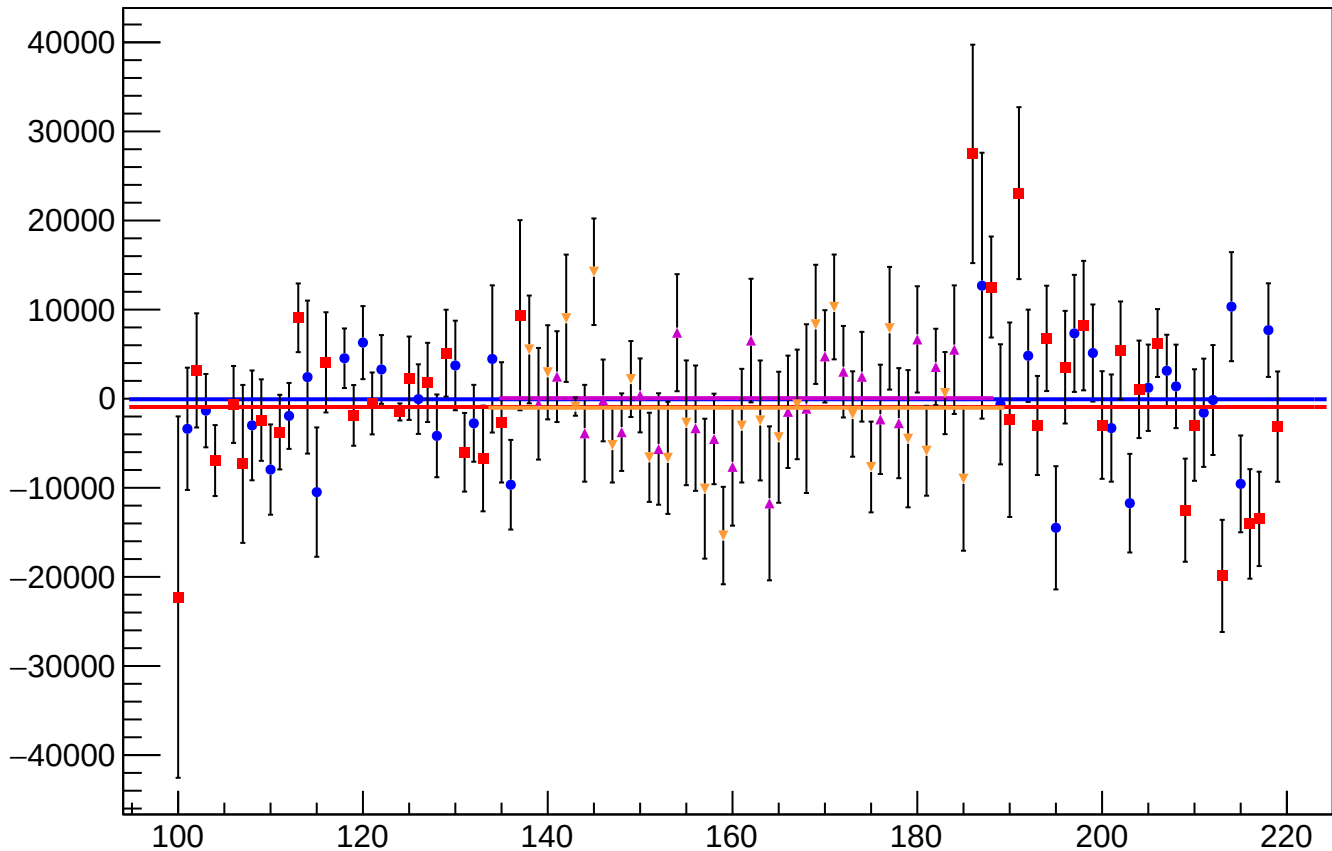
Left In: 1840.981 $\pm$ 0.304 χ^2 /NDF: 70985.8/22

+ sign 1810.427 $\pm$ 0.205 χ^2 /NDF: 1052382.7/56

All: 1808.384 $\pm$ 0.145 χ^2 /NDF: 1787906.1/11

- sign 1806.361 $\pm$ 0.204 χ^2 /NDF: 735325.5/59

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -63.746 ± 902.486 χ^2/NDF : 38.0/31

Left Out: -1018.712 ± 771.798 χ^2/NDF : 33.7/24

Right Out: -931.604 ± 650.600 χ^2/NDF : 68.3/36

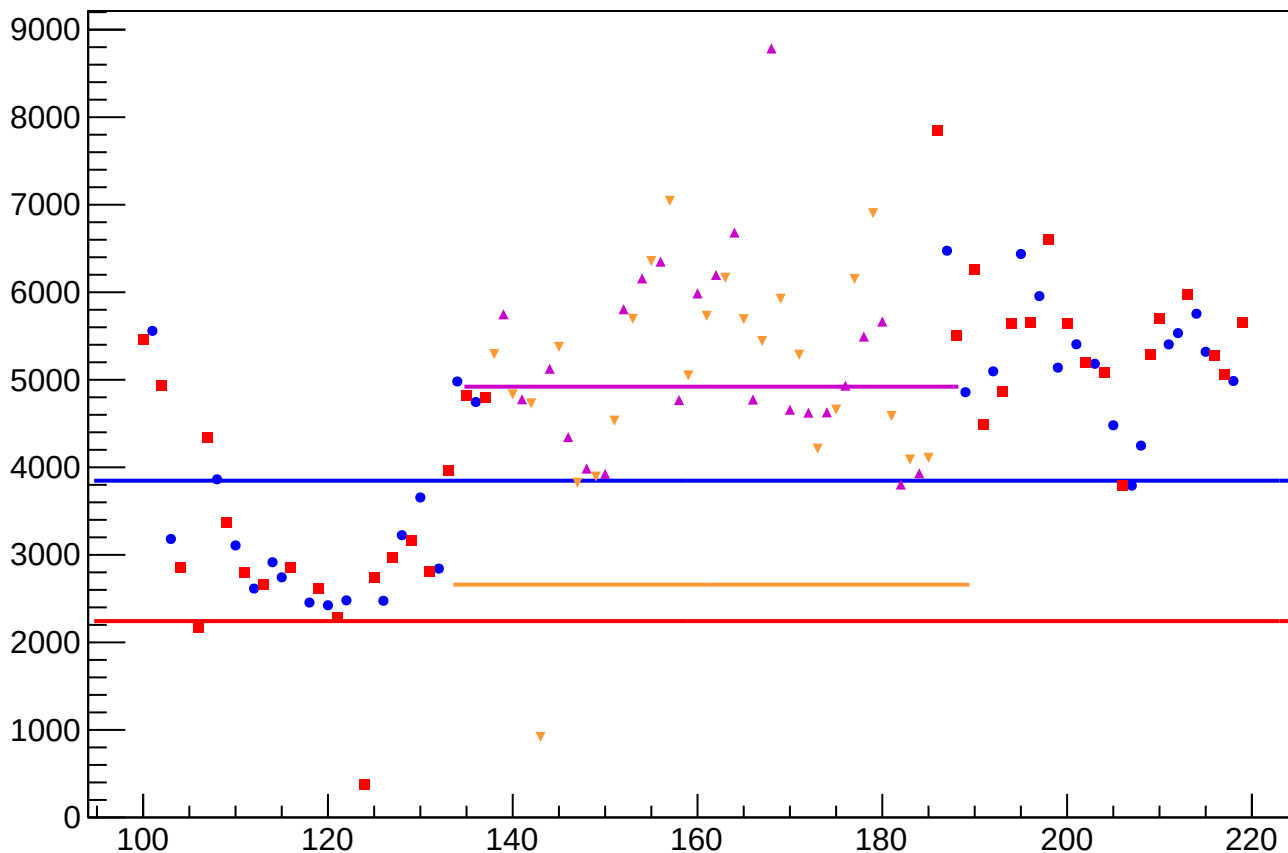
Left In: 62.286 ± 1173.429 χ^2/NDF : 13.0/22

+ sign -615.318 ± 586.558 χ^2/NDF : 72.4/56

All: -657.871 ± 408.408 χ^2/NDF : 154.2/116

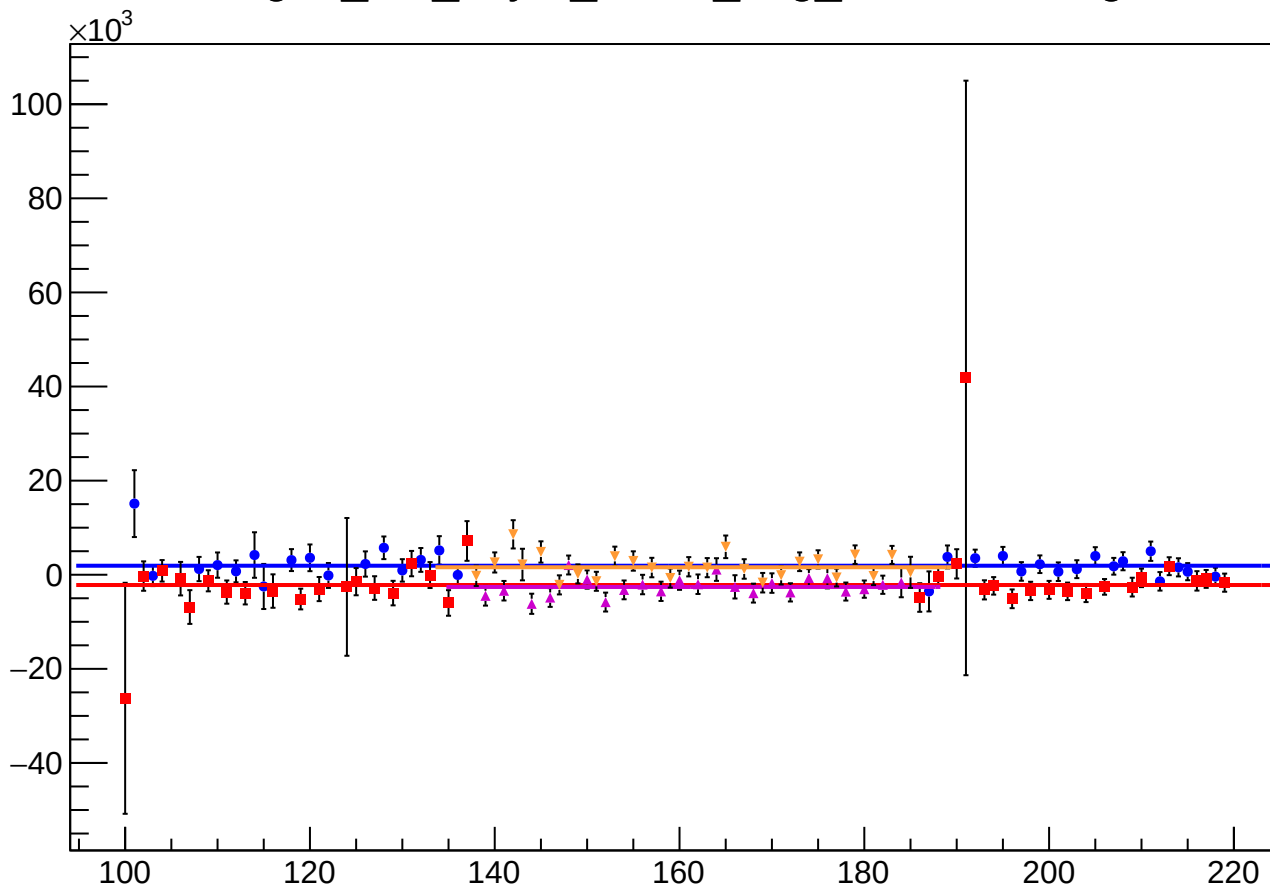
- sign -697.913 ± 568.995 χ^2/NDF : 81.8/59

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3847.373+/-0.638	χ^2/NDF : 3683389.2/31	+ sign 3161.513+/-0.415	χ^2/NDF : 20220092.8/56
Left Out: 2659.907+/-0.546	χ^2/NDF : 14536813.3/24	All: 3012.843+/-0.289	χ^2/NDF : 48359207.1/1
Right Out: 2243.258+/-0.460	χ^2/NDF : 18670664.6/36	- sign 2872.943+/-0.402	χ^2/NDF : 27889723.1/59
Left In: 4921.316+/-0.830	χ^2/NDF : 1251131.6/22		

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1917.168 ± 397.494 χ^2/NDF : 25.8/31

Left Out: 1592.431 ± 423.298 χ^2/NDF : 31.3/24

Right Out: -2182.995 ± 388.998 χ^2/NDF : 33.4/36

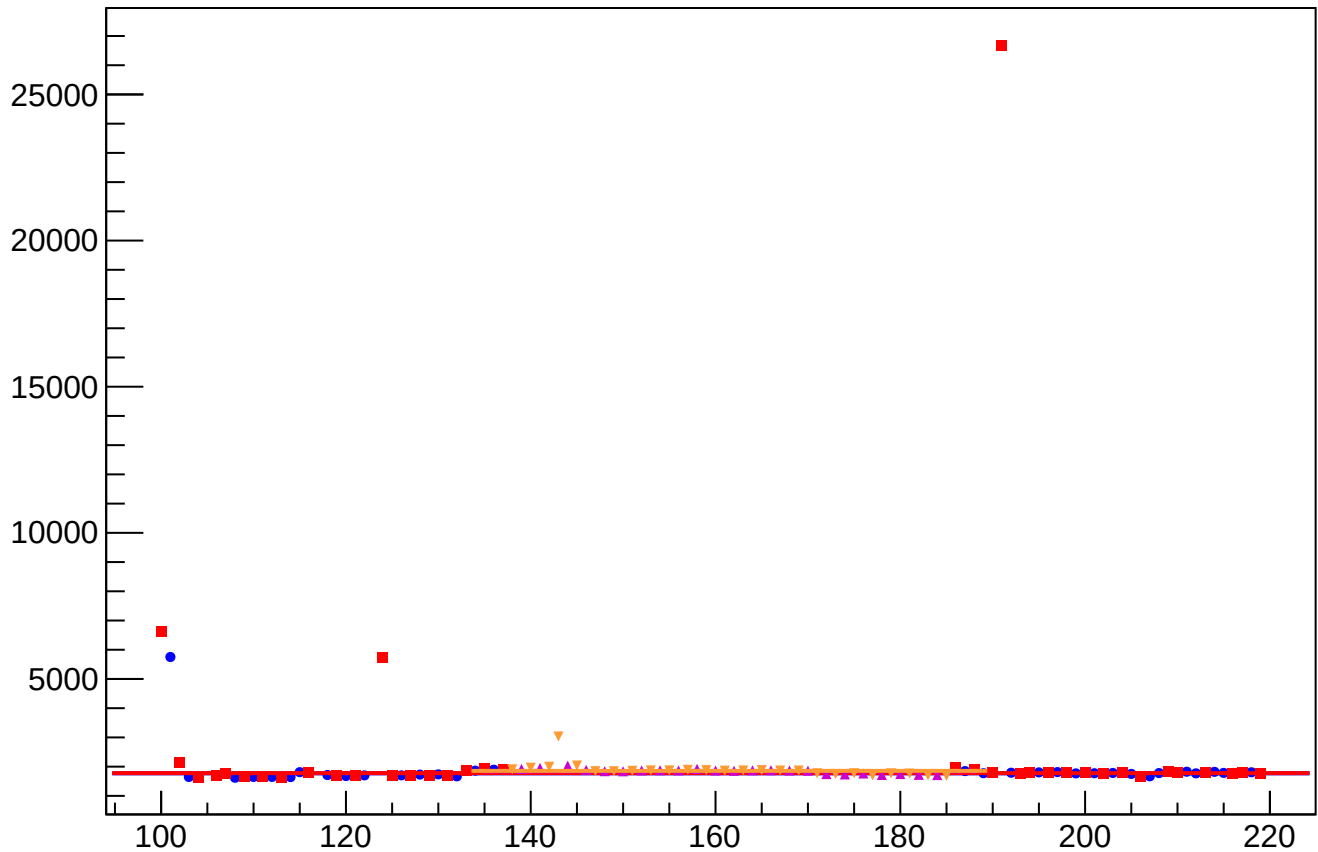
Left In: -2597.812 ± 430.293 χ^2/NDF : 20.1/22

+ sign 1764.999 ± 289.764 χ^2/NDF : 57.4/56

All: -310.873 ± 204.467 χ^2/NDF : 213.7/116

- sign -2369.548 ± 288.561 χ^2/NDF : 54.0/59

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1770.630+/-0.281 χ^2/NDF : 685330.6/31

Left Out: 1855.560+/-0.299 χ^2/NDF : 324267.7/24

Right Out: 1778.142+/-0.275 χ^2/NDF : 640840.1/36

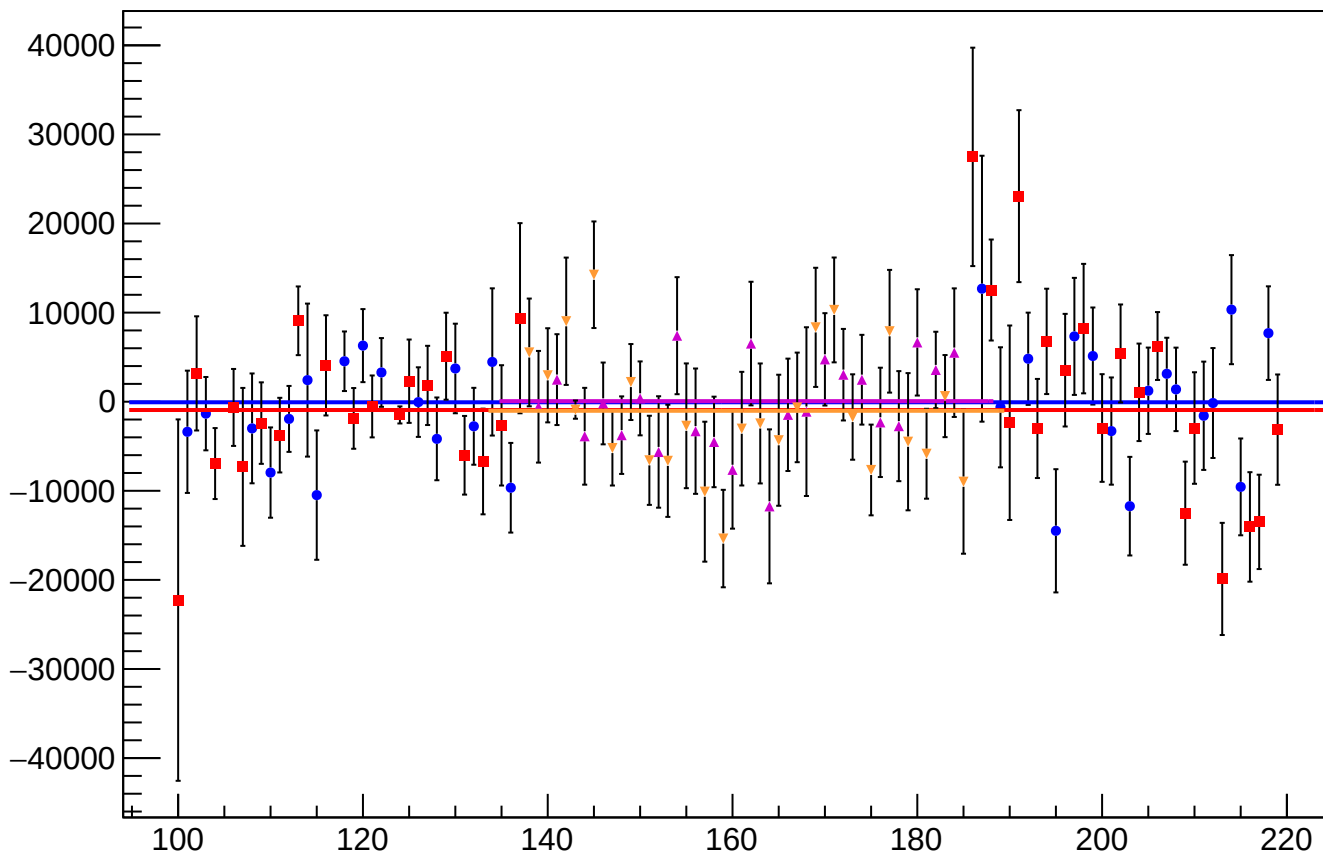
Left In: 1840.981+/-0.304 χ^2/NDF : 70985.8/22

+ sign 1810.427+/-0.205 χ^2/NDF : 1052382.7/56

All: 1808.384+/-0.145 χ^2/NDF : 1787906.1/11

- sign 1806.361+/-0.204 χ^2/NDF : 735325.5/59

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -63.746 ± 902.486 χ^2/NDF : 38.0/31

Left Out: -1018.712 ± 771.798 χ^2/NDF : 33.7/24

Right Out: -931.604 ± 650.600 χ^2/NDF : 68.3/36

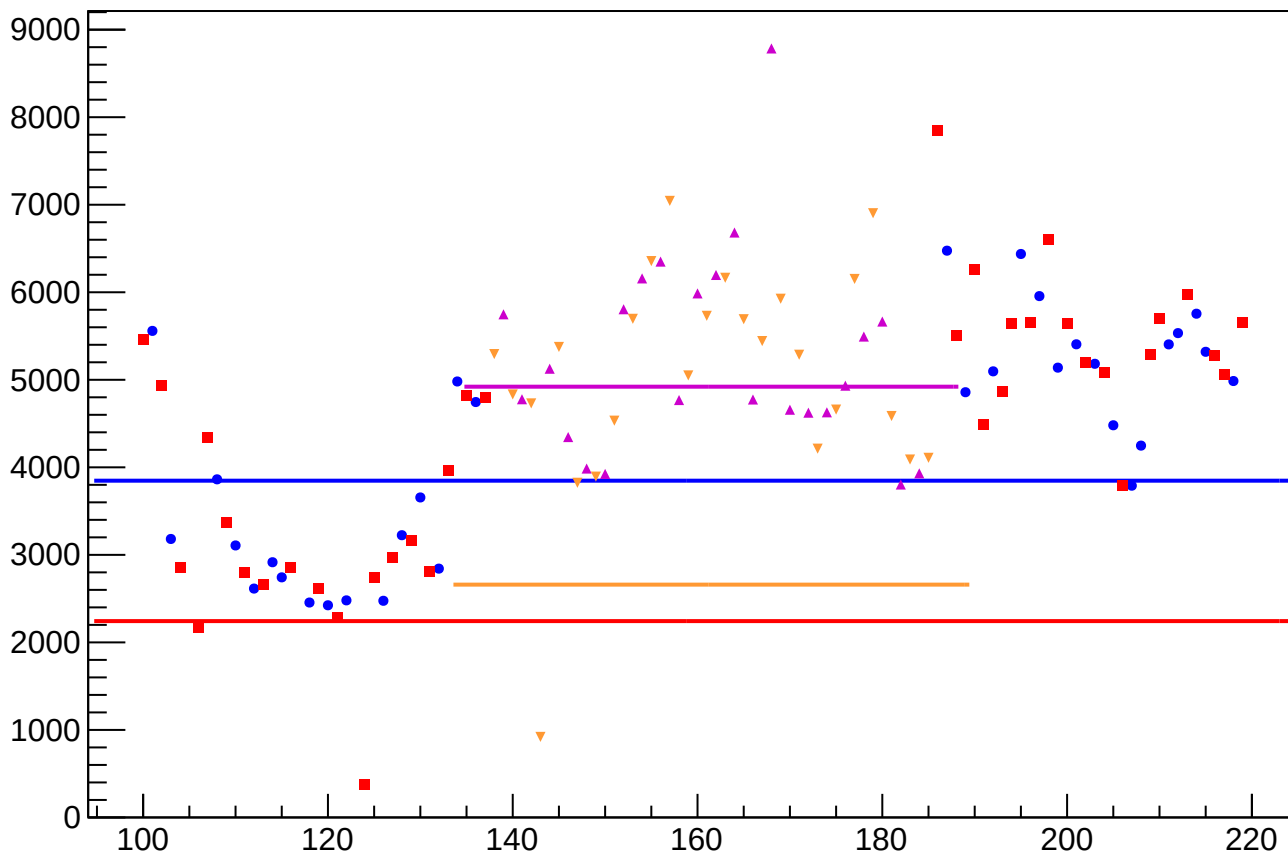
Left In: 62.286 ± 1173.429 χ^2/NDF : 13.0/22

+ sign -615.318 ± 586.558 χ^2/NDF : 72.4/56

All: -657.871 ± 408.408 χ^2/NDF : 154.2/116

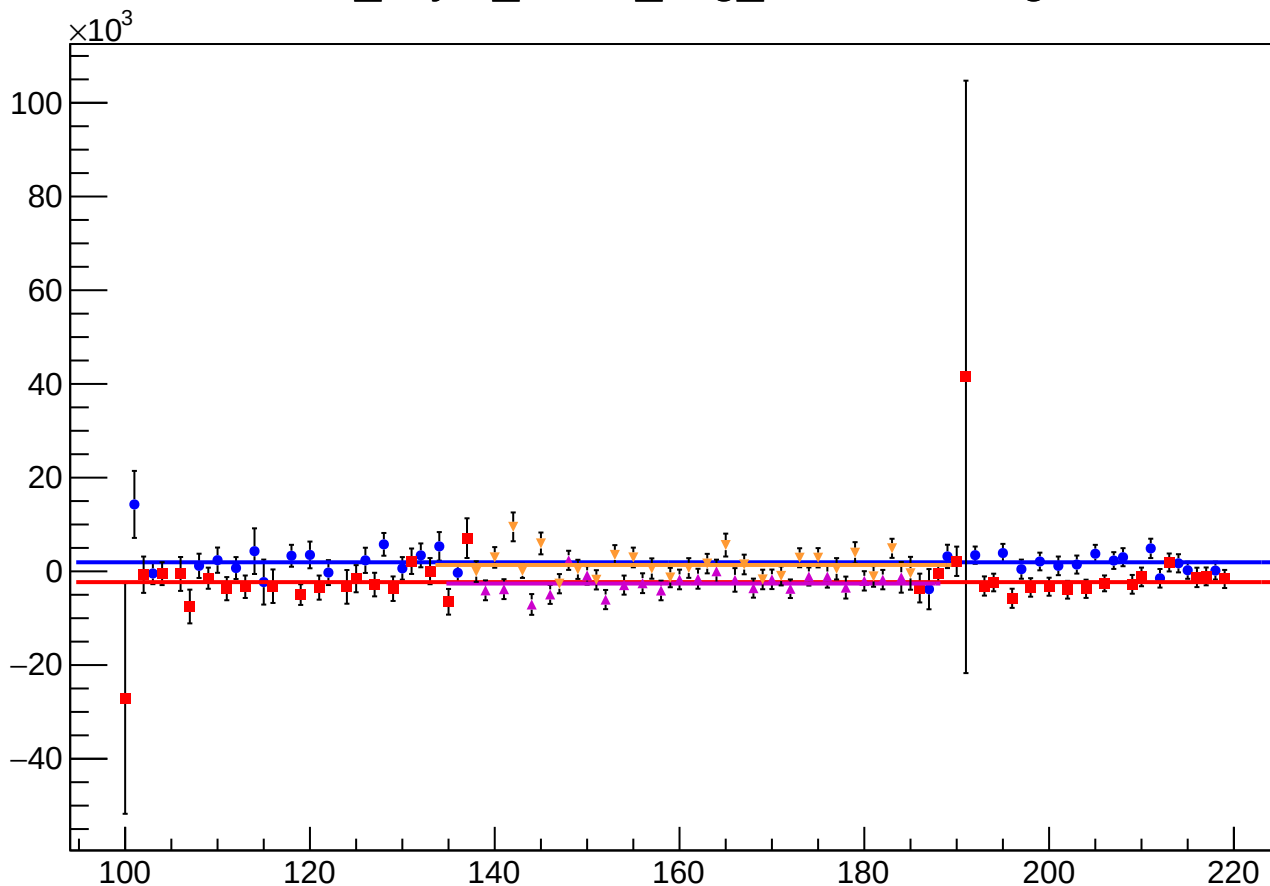
- sign -697.913 ± 568.995 χ^2/NDF : 81.8/59

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3847.373+/-0.638	χ^2/NDF : 3683389.2/31	+ sign 3161.513+/-0.415	χ^2/NDF : 20220092.8/56
Left Out: 2659.907+/-0.546	χ^2/NDF : 14536813.3/24	All: 3012.843+/-0.289	χ^2/NDF : 48359207.1/1
Right Out: 2243.258+/-0.460	χ^2/NDF : 18670664.6/36	- sign 2872.943+/-0.402	χ^2/NDF : 27889723.1/59
Left In: 4921.316+/-0.830	χ^2/NDF : 1251131.6/22		

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1936.382 $\pm$ 401.368 χ^2 /NDF: 25.0/31

Left Out: 1363.887 $\pm$ 427.332 χ^2 /NDF: 36.1/24

Right Out: -2298.350 $\pm$ 391.727 χ^2 /NDF: 31.9/36

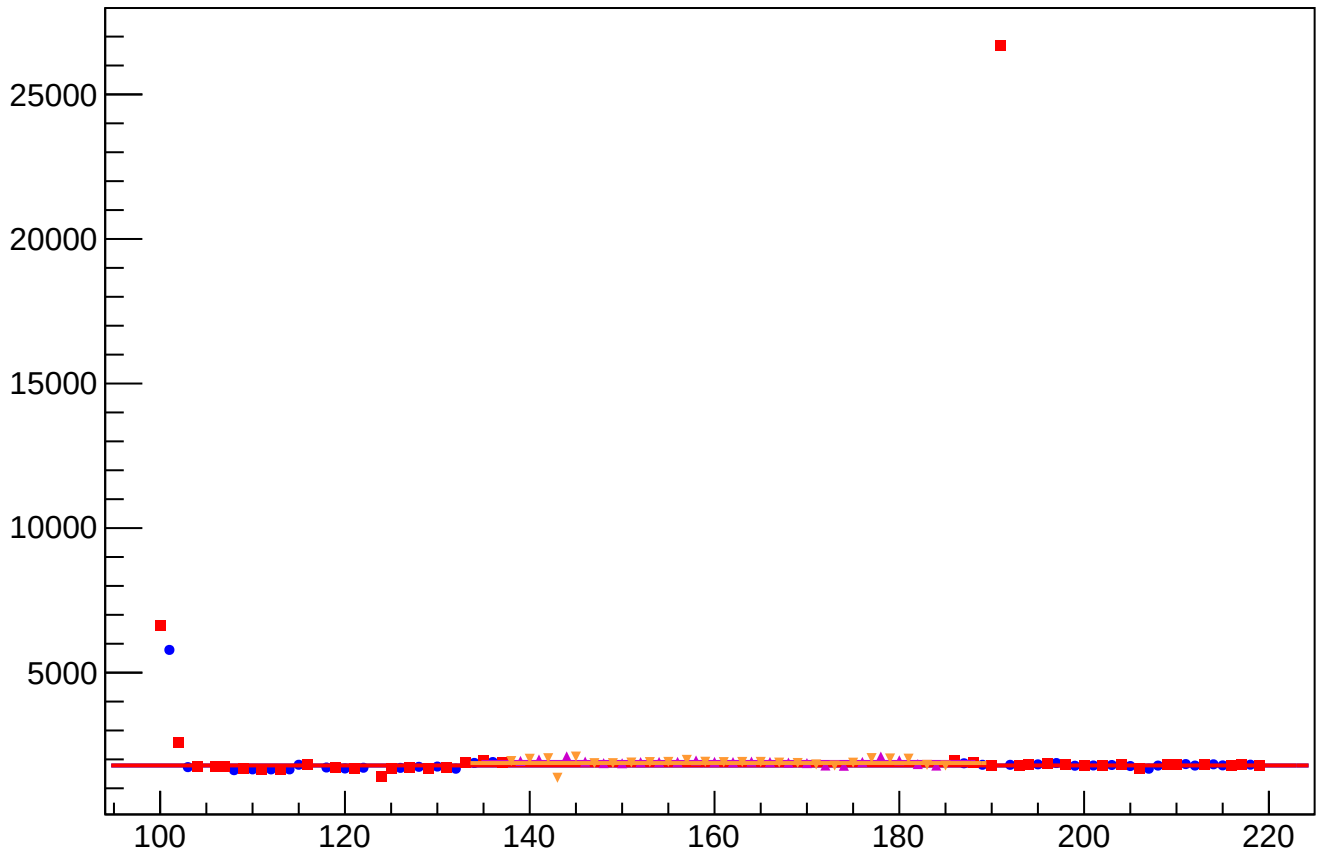
Left In: -2602.835 $\pm$ 446.741 χ^2 /NDF: 20.0/22

+ sign 1668.054 $\pm$ 292.559 χ^2 /NDF: 62.0/56

All: -367.535 $\pm$ 207.565 χ^2 /NDF: 211.7/116

- sign -2430.700 $\pm$ 294.534 χ^2 /NDF: 52.2/59

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1787.725+/-0.284 χ^2/NDF : 685213.7/31

Left Out: 1873.177+/-0.302 χ^2/NDF : 309733.7/24

Right Out: 1790.950+/-0.277 χ^2/NDF : 563870.9/36

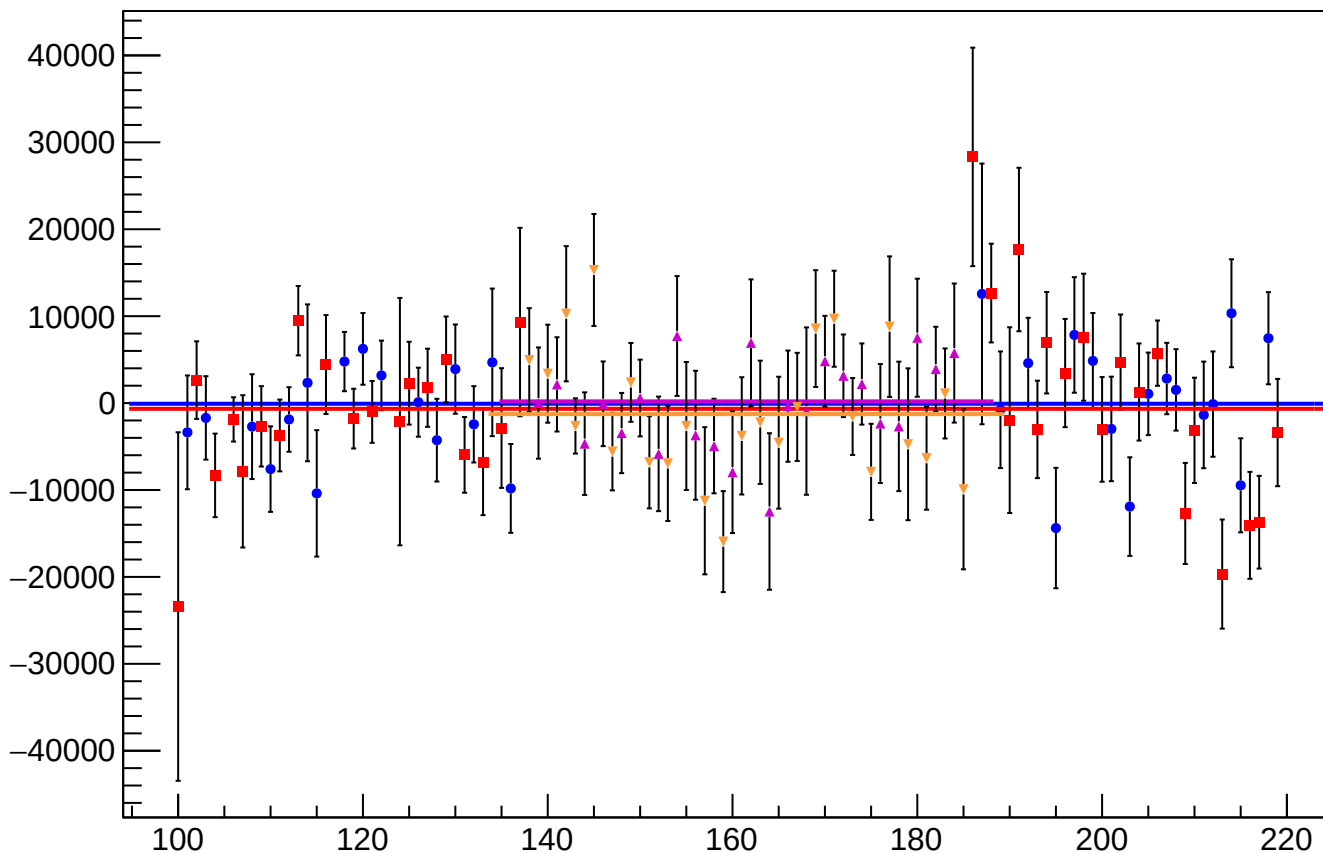
Left In: 1911.423+/-0.316 χ^2/NDF : 59139.8/22

+ sign 1827.776+/-0.207 χ^2/NDF : 1037437.9/56

All: 1835.470+/-0.147 χ^2/NDF : 1745524.6/11

- sign 1843.260+/-0.208 χ^2/NDF : 705303.0/59

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -76.571 ± 915.321 χ^2/NDF : 37.0/31

Left Out: -1269.760 ± 1156.132 χ^2/NDF : 33.4/24

Right Out: -658.539 ± 853.947 χ^2/NDF : 65.8/36

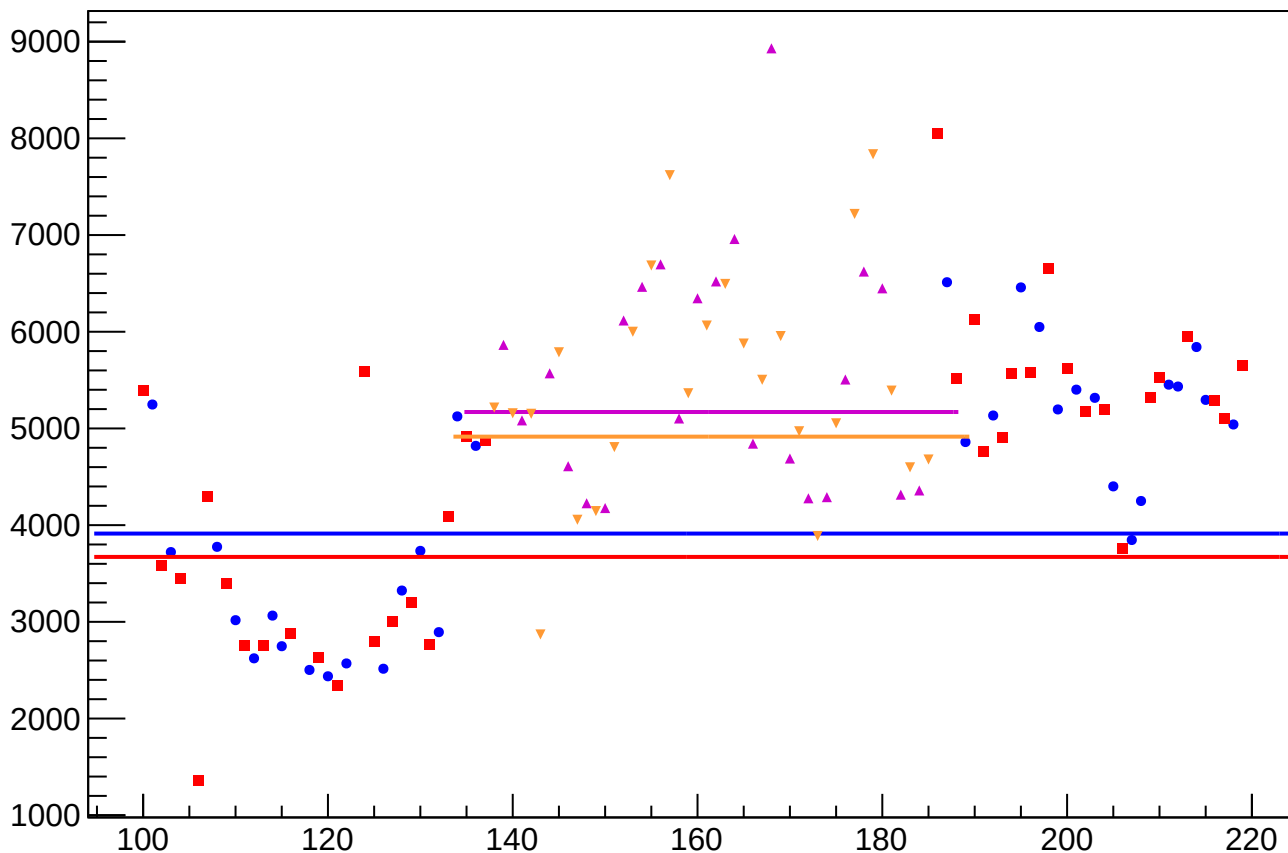
Left In: 196.917 ± 1234.538 χ^2/NDF : 12.7/22

+ sign -536.304 ± 717.639 χ^2/NDF : 71.1/56

All: -457.329 ± 501.937 χ^2/NDF : 149.9/116

- sign -381.693 ± 702.304 χ^2/NDF : 78.8/59

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3912.872 $\pm$ 0.647 χ^2 /NDF: 3518741.7/31

Left Out: 4915.244 $\pm$ 0.818 χ^2 /NDF: 2166229.1/24

Right Out: 3671.374 $\pm$ 0.604 χ^2 /NDF: 5763773.5/36

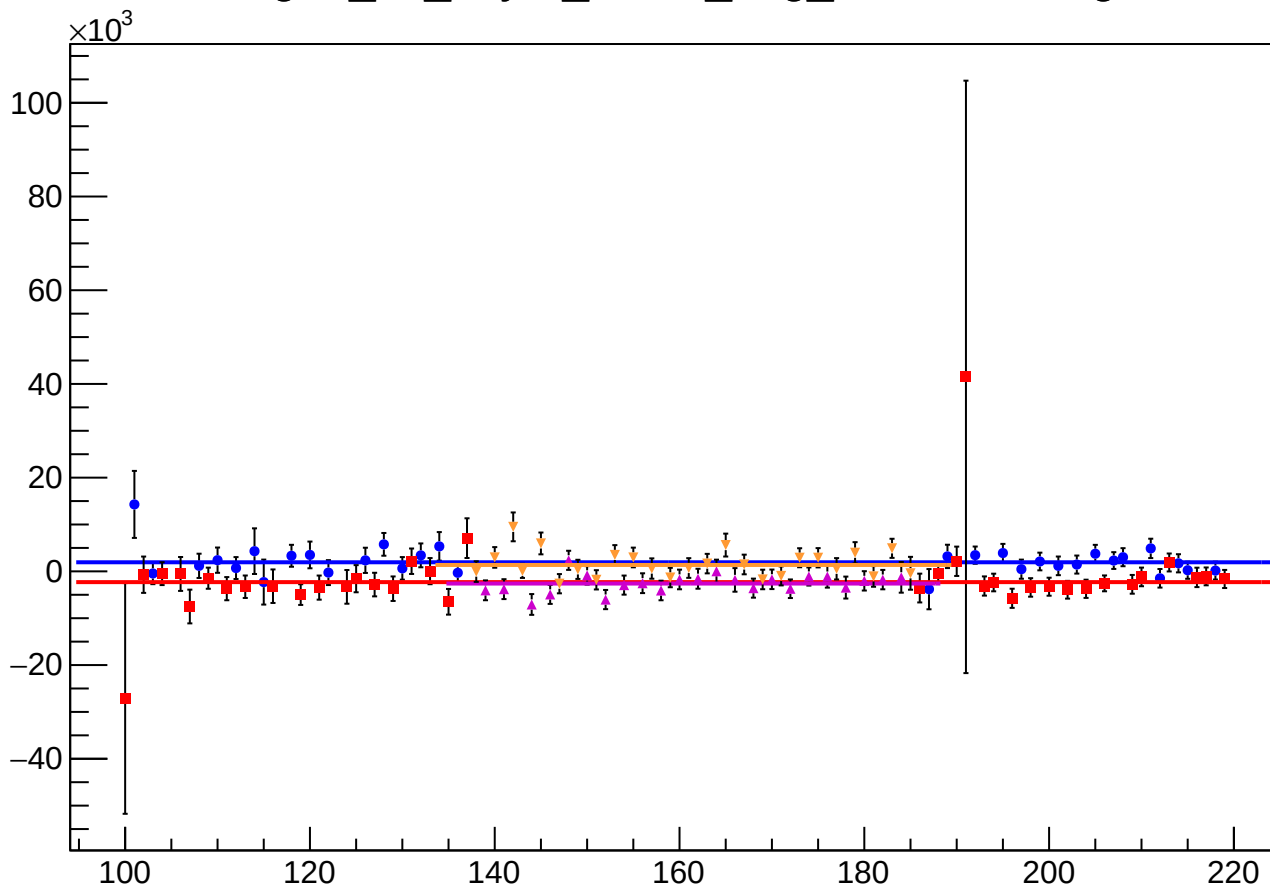
Left In: 5170.028 $\pm$ 0.873 χ^2 /NDF: 1348711.3/22

+ sign 4299.084 $\pm$ 0.507 χ^2 /NDF: 6609110.9/56

All: 4226.188 $\pm$ 0.355 χ^2 /NDF: 15755474.6/1

- sign 4156.374 $\pm$ 0.497 χ^2 /NDF: 9105964.2/59

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1936.384 ± 401.368 χ^2/NDF : 25.0/31

Left Out: 1363.884 ± 427.333 χ^2/NDF : 36.1/24

Right Out: -2298.346 ± 391.727 χ^2/NDF : 31.9/36

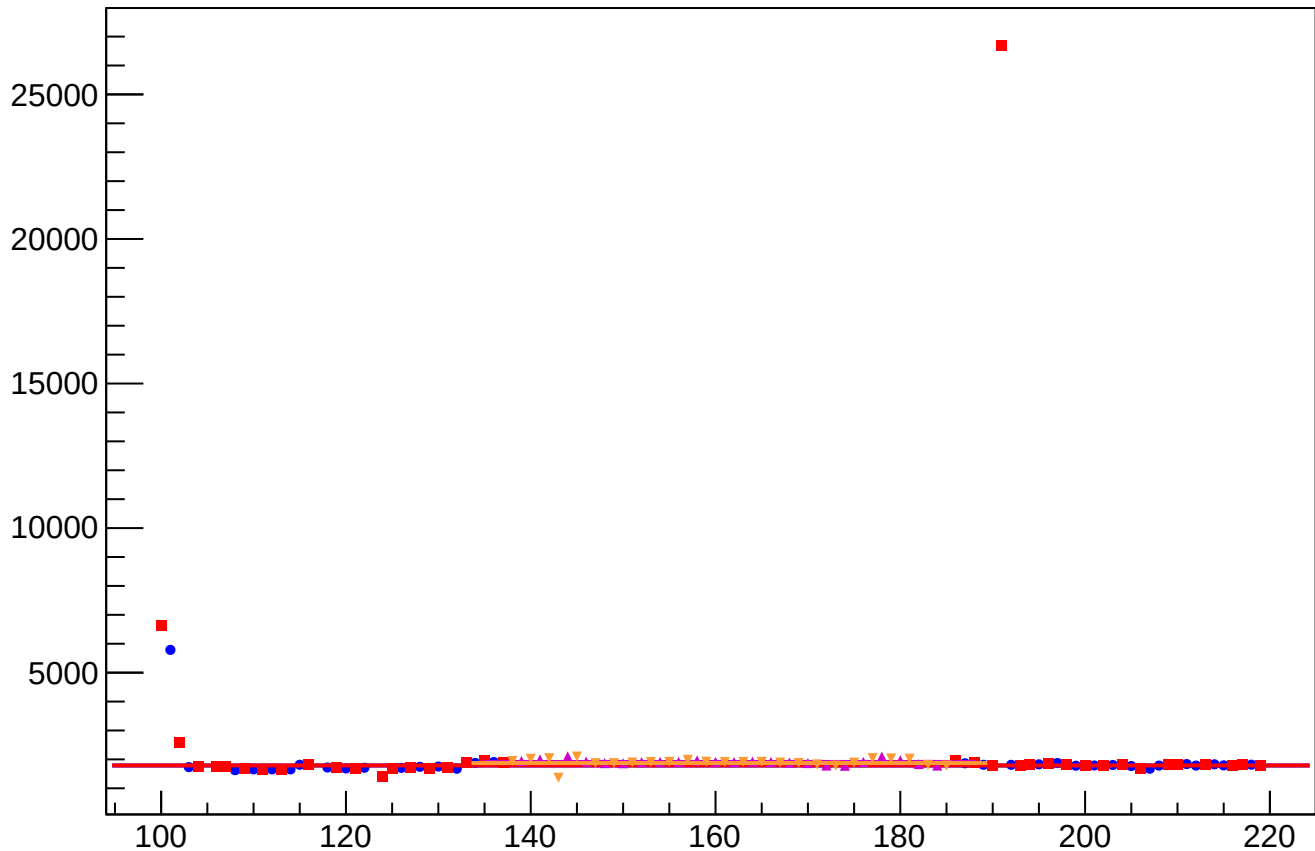
Left In: -2602.834 ± 446.742 χ^2/NDF : 20.0/22

+ sign 1668.054 ± 292.559 χ^2/NDF : 62.0/56

All: -367.534 ± 207.565 χ^2/NDF : 211.7/116

- sign -2430.697 ± 294.534 χ^2/NDF : 52.2/59

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1787.725 ± 0.284 χ^2/NDF : 685213.8/31

Left Out: 1873.178 ± 0.302 χ^2/NDF : 309737.2/24

Right Out: 1790.950 ± 0.277 χ^2/NDF : 563870.9/36

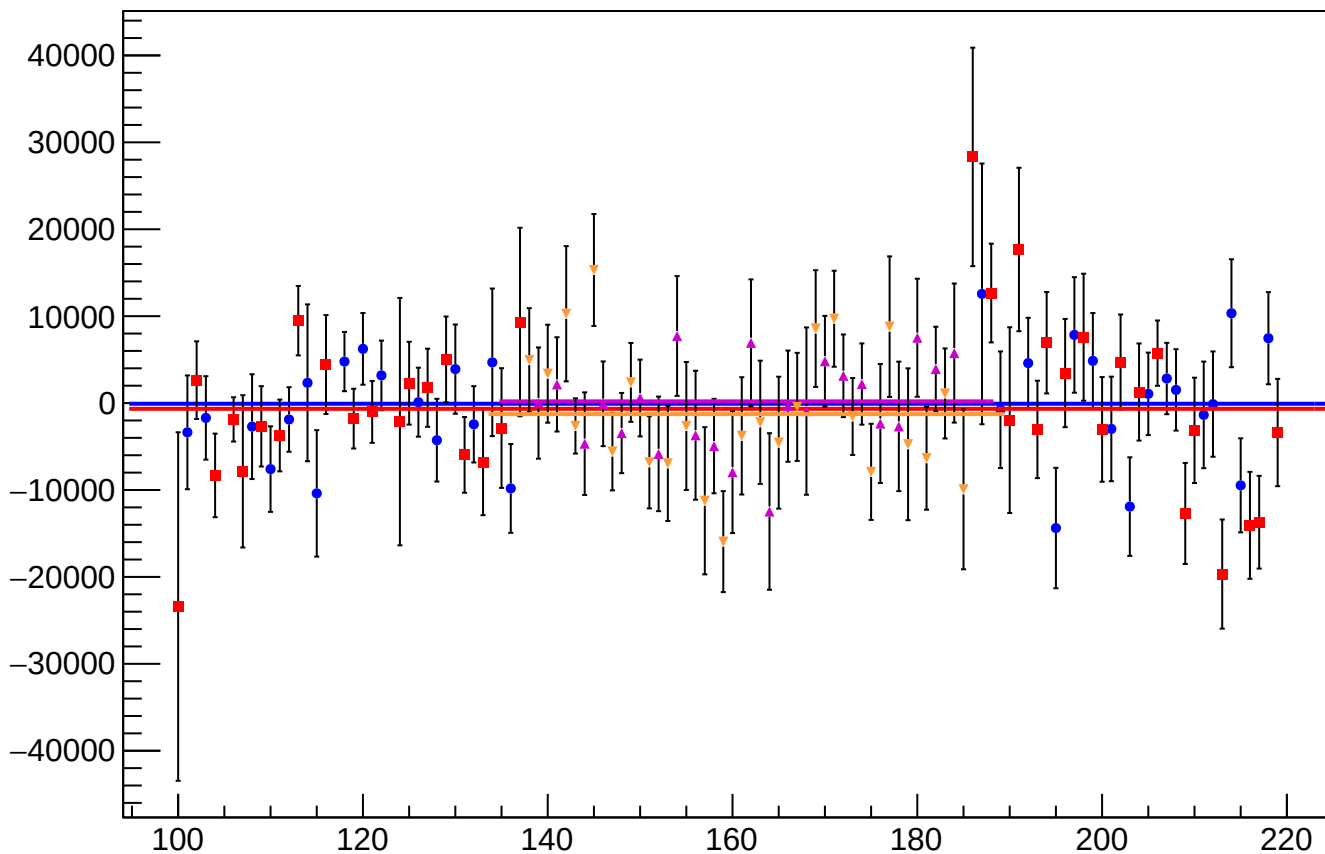
Left In: 1911.425 ± 0.316 χ^2/NDF : 59142.0/22

+ sign 1827.777 ± 0.207 χ^2/NDF : 1037442.4/56

All: 1835.471 ± 0.147 χ^2/NDF : 1745533.1/11

- sign 1843.260 ± 0.208 χ^2/NDF : 705307.0/59

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -76.567 ± 915.320 χ^2/NDF : 37.0/31

Left Out: -1269.765 ± 1156.133 χ^2/NDF : 33.4/24

Right Out: -658.540 ± 853.945 χ^2/NDF : 65.8/36

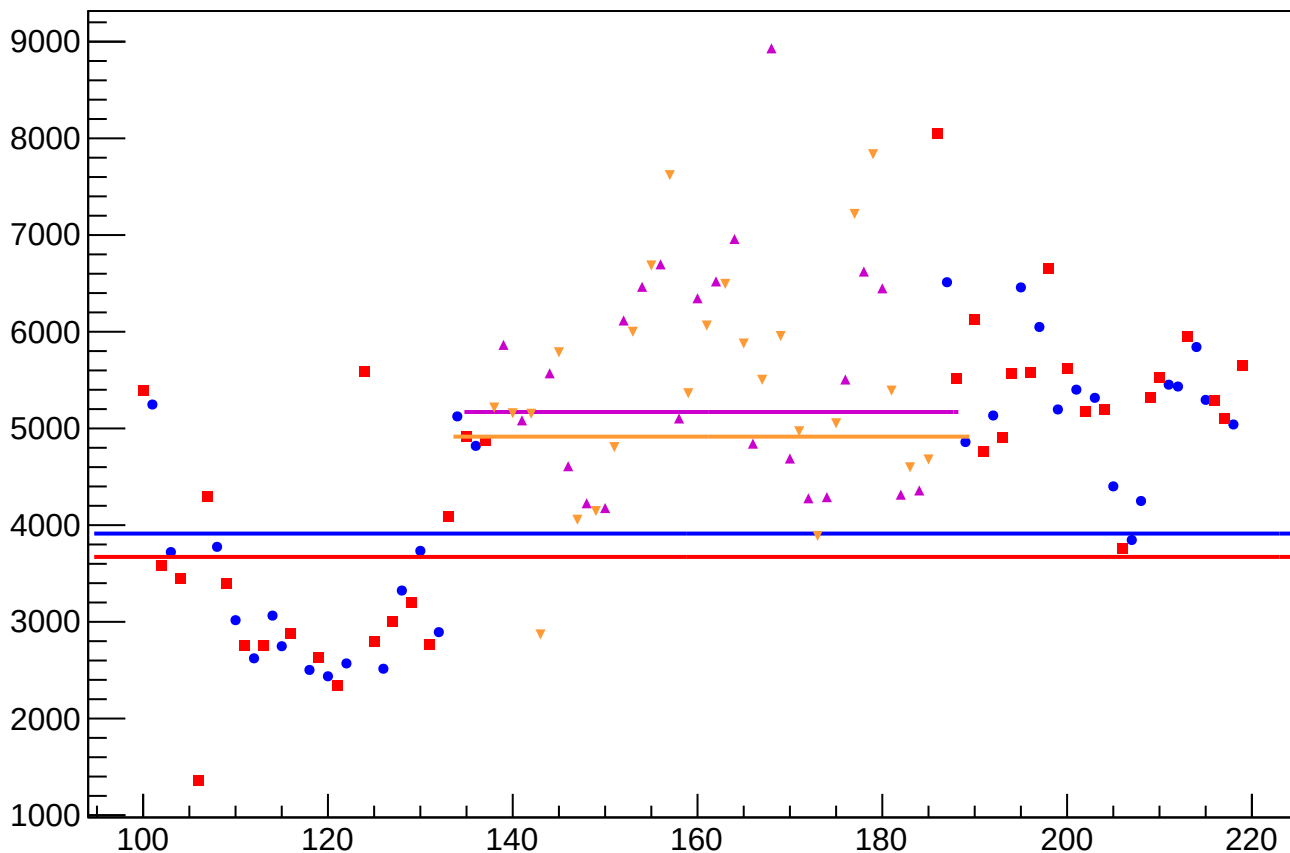
Left In: 196.918 ± 1234.540 χ^2/NDF : 12.7/22

+ sign -536.303 ± 717.639 χ^2/NDF : 71.1/56

All: -457.329 ± 501.937 χ^2/NDF : 149.9/116

- sign -381.694 ± 702.303 χ^2/NDF : 78.8/59

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3912.866 $\pm$ 0.647 χ^2 /NDF: 3518801.1/31

Left Out: 4915.251 $\pm$ 0.818 χ^2 /NDF: 2166236.2/24

Right Out: 3671.363 $\pm$ 0.604 χ^2 /NDF: 5763859.3/36

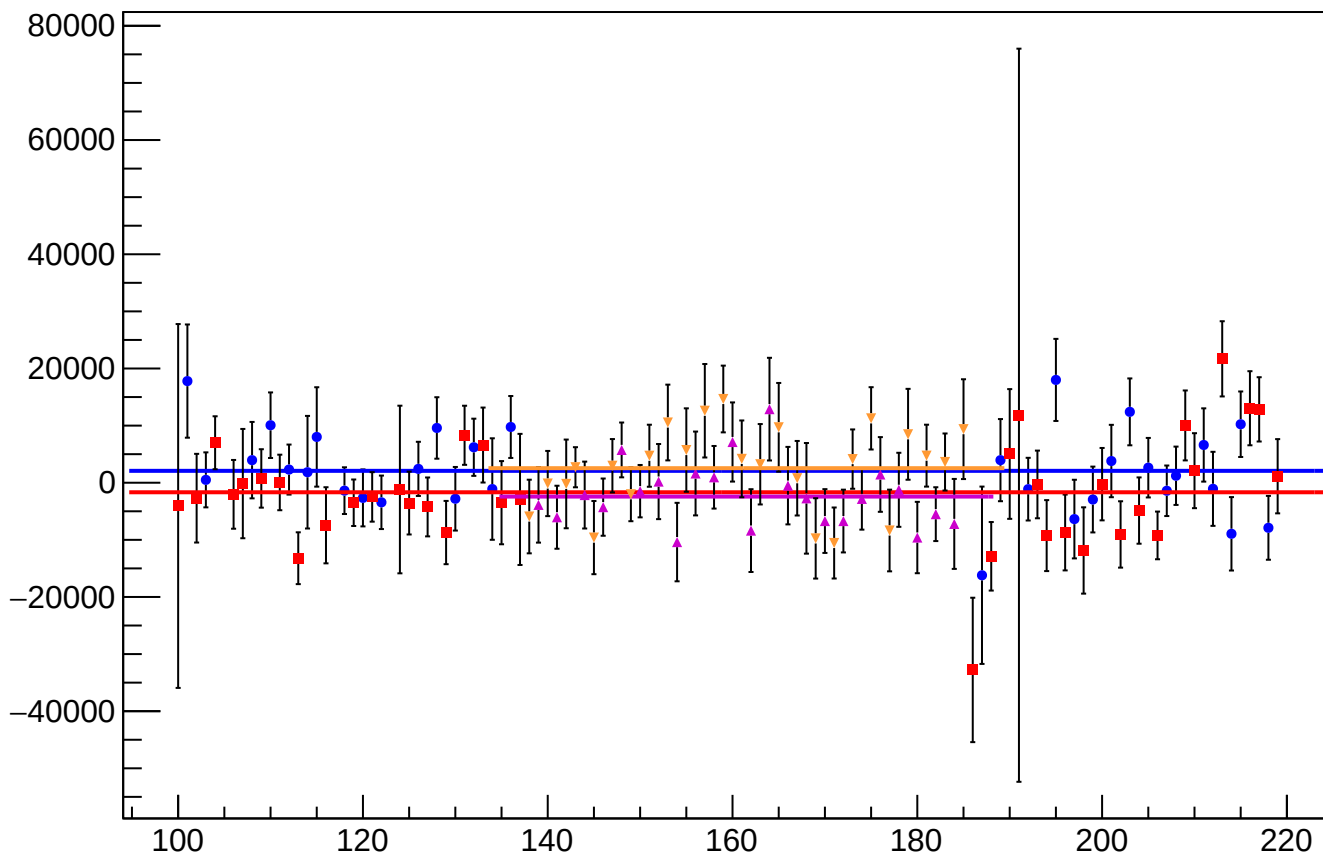
Left In: 5170.035 $\pm$ 0.873 χ^2 /NDF: 1348713.2/22

+ sign 4299.082 $\pm$ 0.507 χ^2 /NDF: 6609199.6/56

All: 4226.183 $\pm$ 0.355 χ^2 /NDF: 15755701.5/100

- sign 4156.367 $\pm$ 0.497 χ^2 /NDF: 9106099.7/59

asym_atr1l2_avg_mean vs Slug



Right In: 2081.586 $\pm$ 1016.620 χ^2 /NDF: 35.4/31

Left Out: 2547.072 $\pm$ 1187.668 χ^2 /NDF:29.1/24

Right Out: -1670.241 $\pm$ 1003.498 χ^2 /NDF: 67.0/36

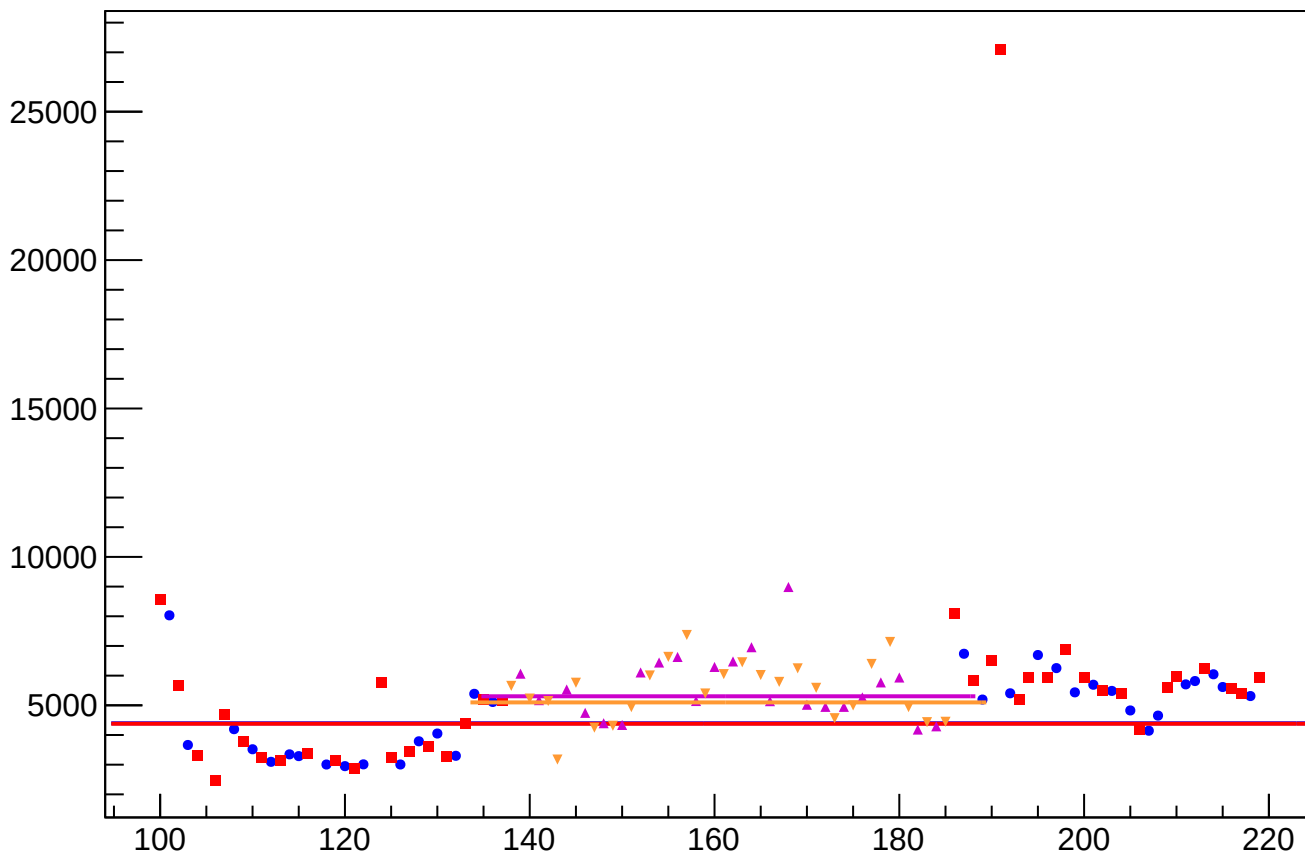
Left In: -2423.016 $\pm$ 1259.653 χ^2 /NDF:15.0/22

+ sign 2278.424 $\pm$ 772.319 χ^2 /NDF: 64.5/56

All: 192.174 $\pm$ 550.500 χ^2 /NDF: 161.5/116

- sign -1962.503 $\pm$ 784.883 χ^2 /NDF: 82.2/59

asym_atr1l2_avg_rms vs Slug



Right In: 4394.529+/-0.719 χ^2/NDF : 2717276.6/31

Left Out: 5097.995+/-0.840 χ^2/NDF : 1544385.5/24

Right Out: 4379.389+/-0.703 χ^2/NDF : 3606284.1/36

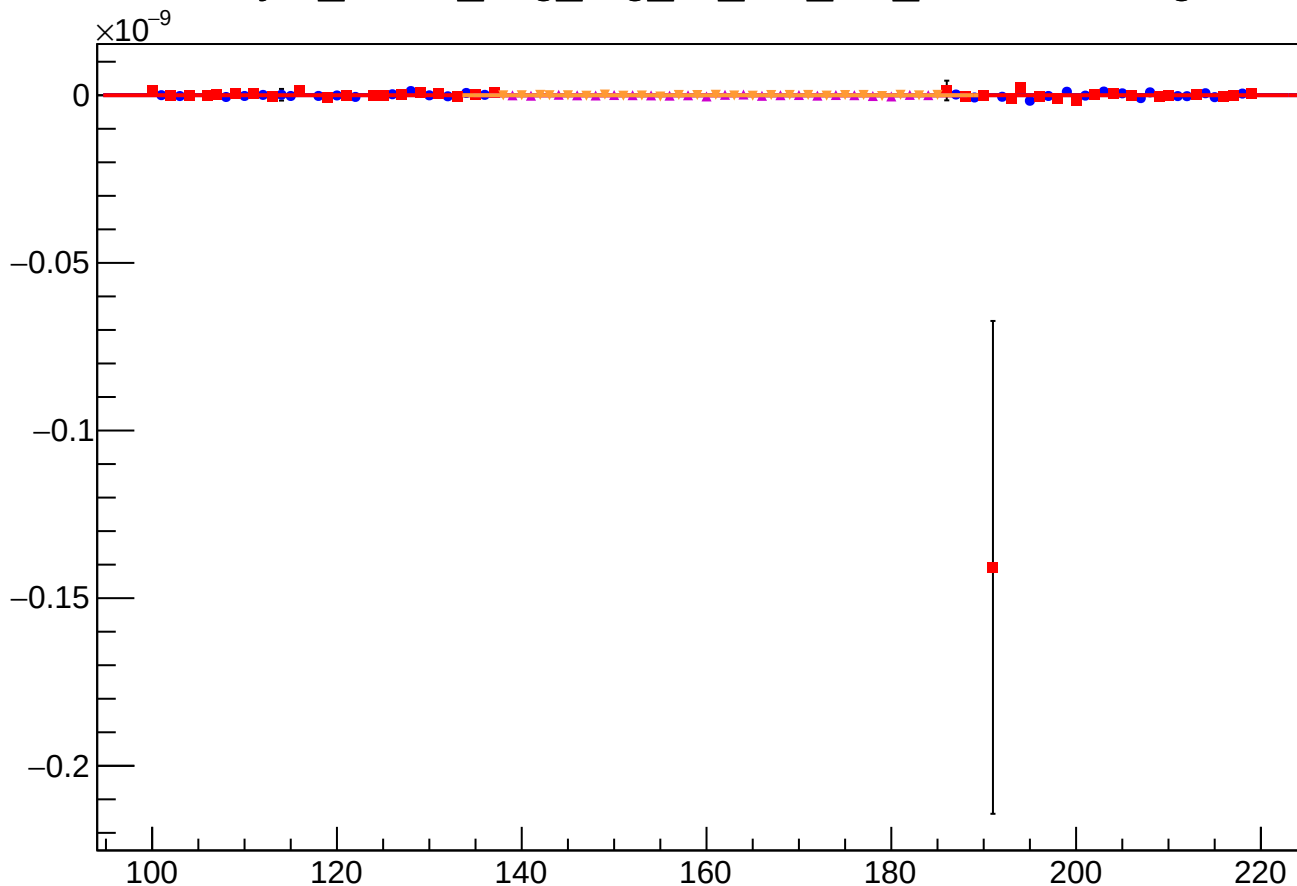
Left In: 5304.171+/-0.891 χ^2/NDF : 1017974.6/22

+ sign 4692.001+/-0.546 χ^2/NDF : 4666613.1/56

All: 4713.073+/-0.388 χ^2/NDF : 9957796.1/11

- sign 4734.604+/-0.552 χ^2/NDF : 5288172.9/59

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.6/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.0/36

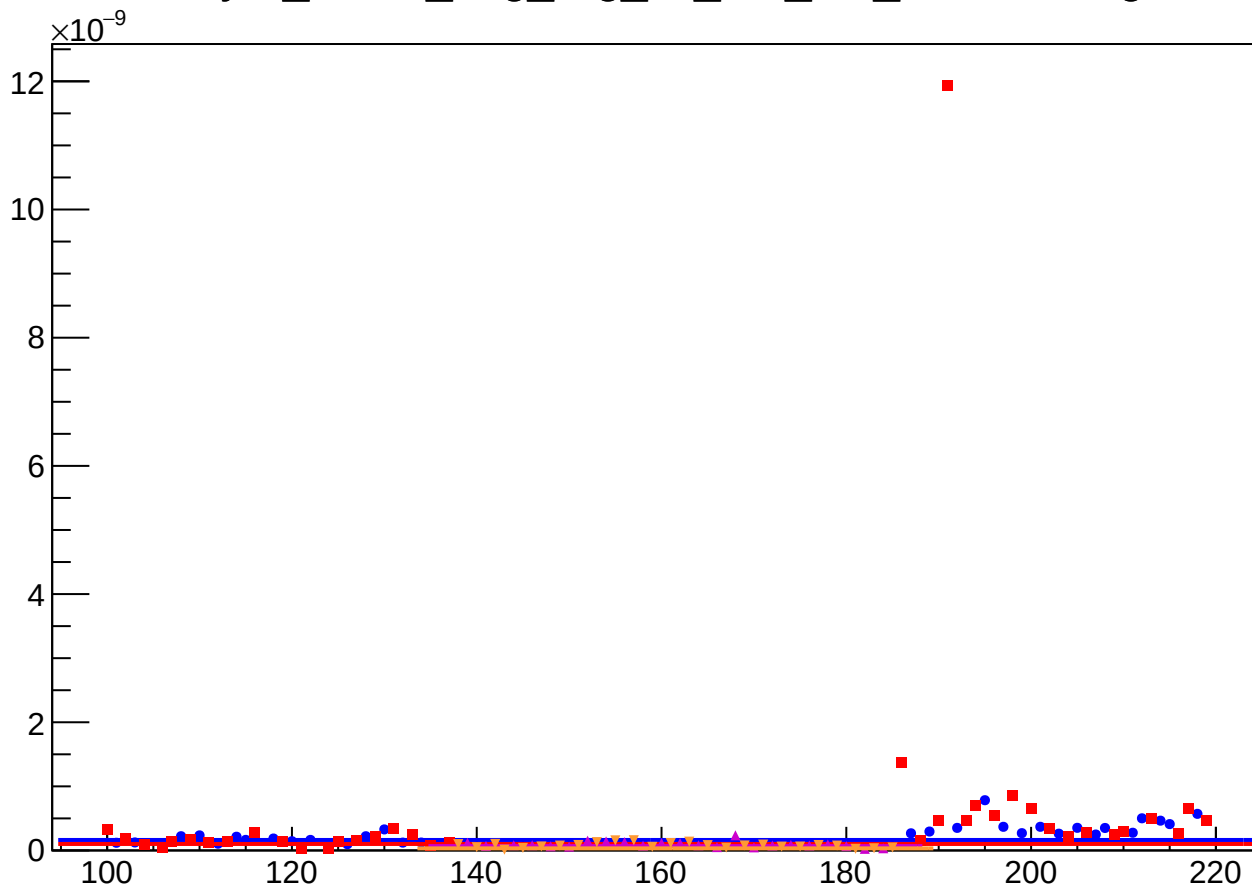
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:22.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 54.3/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 119.3/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64.9/59

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4680963.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9361354.3/36

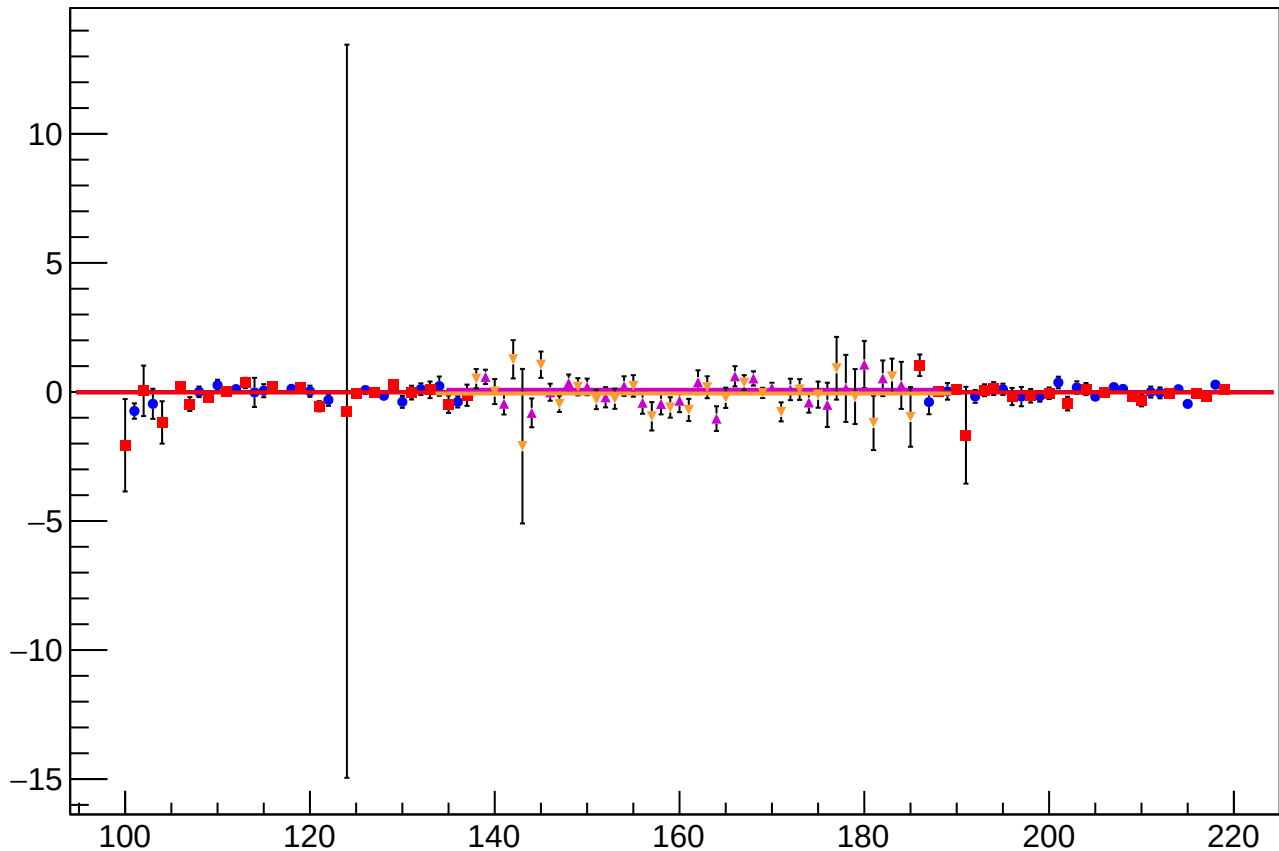
Left In: 0.000+/-0.000 χ^2/NDF : 2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 18178863.2/56

All: 0.000+/-0.000 χ^2/NDF : 33398419.4/116

- sign 0.000+/-0.000 χ^2/NDF : 12495198.2/59

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.036 χ^2/NDF : 42.2/31

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: -0.018 ± 0.033 χ^2/NDF : 45.6/36

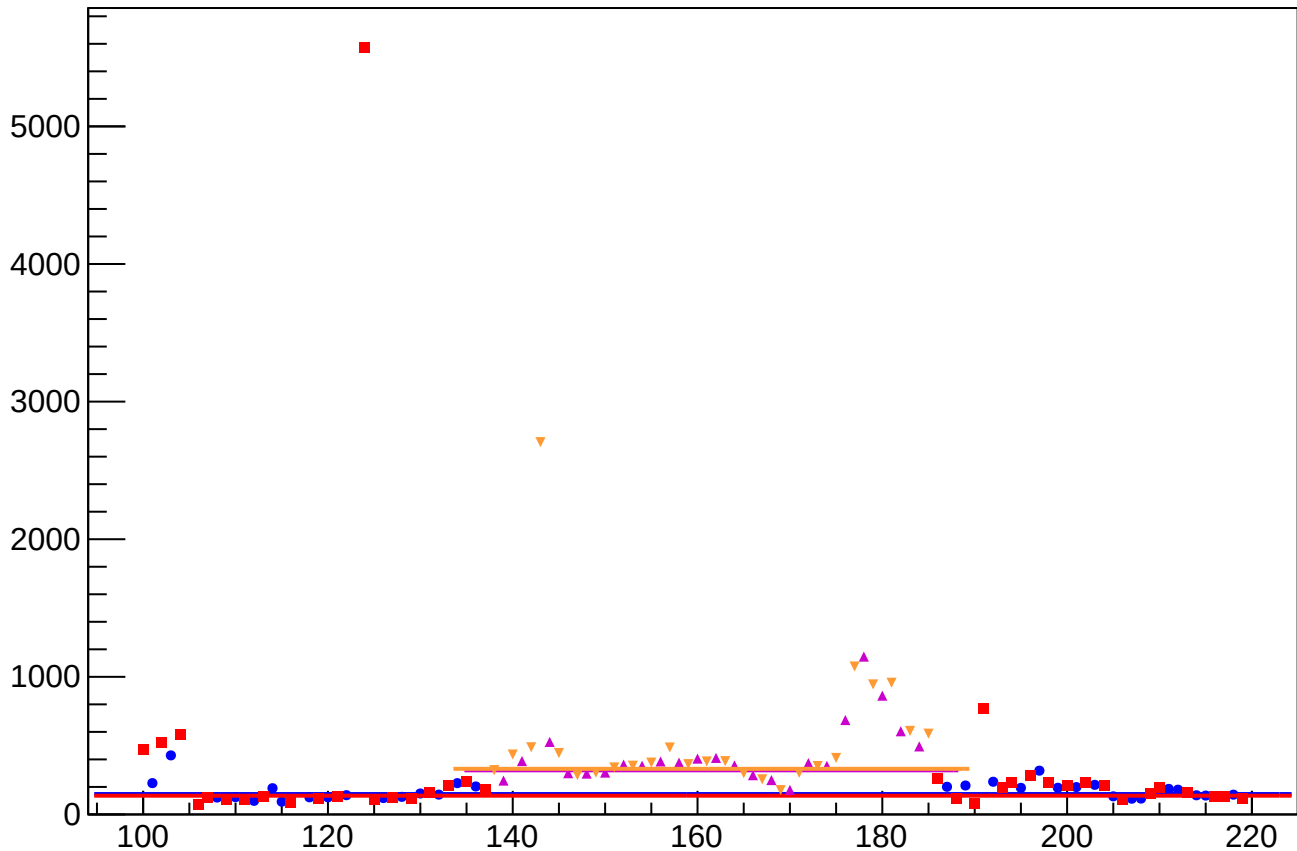
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.016 ± 0.033 χ^2/NDF : 73.3/56

All: -0.009 ± 0.022 χ^2/NDF : 147.3/116

- sign -0.003 ± 0.031 χ^2/NDF : 73.9/59

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 148.241 $\pm$ 0.025 χ^2 /NDF: 2971775.3/31

Left Out: 331.651 $\pm$ 0.059 χ^2 /NDF: 5838206.4/24

Right Out: 136.390 $\pm$ 0.023 χ^2 /NDF: 5143838.1/36

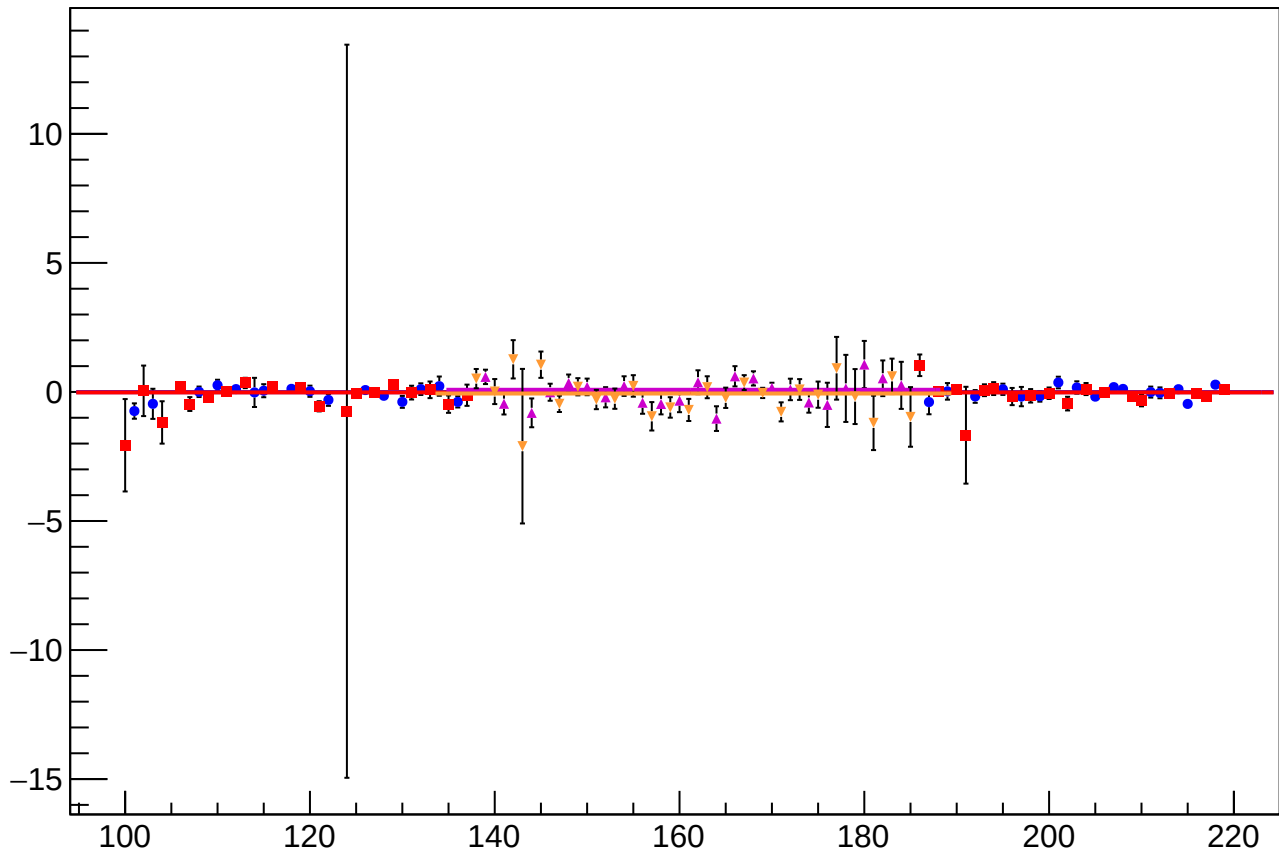
Left In: 320.746 $\pm$ 0.057 χ^2 /NDF: 4248172.2/22

+ sign 176.791 $\pm$ 0.023 χ^2 /NDF: 16919889.3/56

All: 169.314 $\pm$ 0.016 χ^2 /NDF: 35345398.9/1

- sign 162.837 $\pm$ 0.022 χ^2 /NDF: 18234136.8/59

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.036 χ^2/NDF : 42.2/31

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: -0.018 ± 0.033 χ^2/NDF : 45.6/36

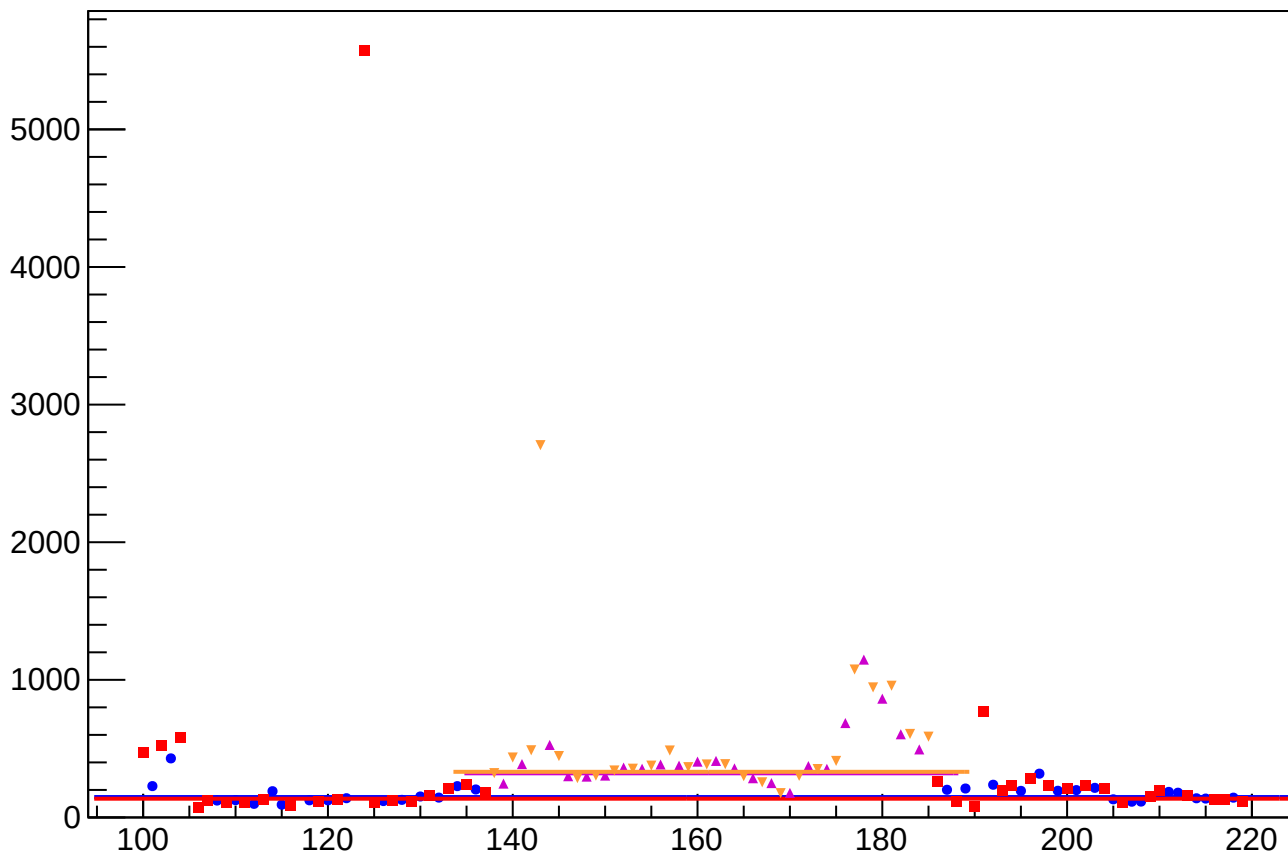
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.016 ± 0.033 χ^2/NDF : 73.3/56

All: -0.009 ± 0.022 χ^2/NDF : 147.3/116

- sign -0.003 ± 0.031 χ^2/NDF : 73.9/59

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.241 $\pm$ 0.025 χ^2 /NDF: 2971775.3/31

Left Out: 331.651 $\pm$ 0.059 χ^2 /NDF: 5838206.4/24

Right Out: 136.390 $\pm$ 0.023 χ^2 /NDF: 5143838.1/36

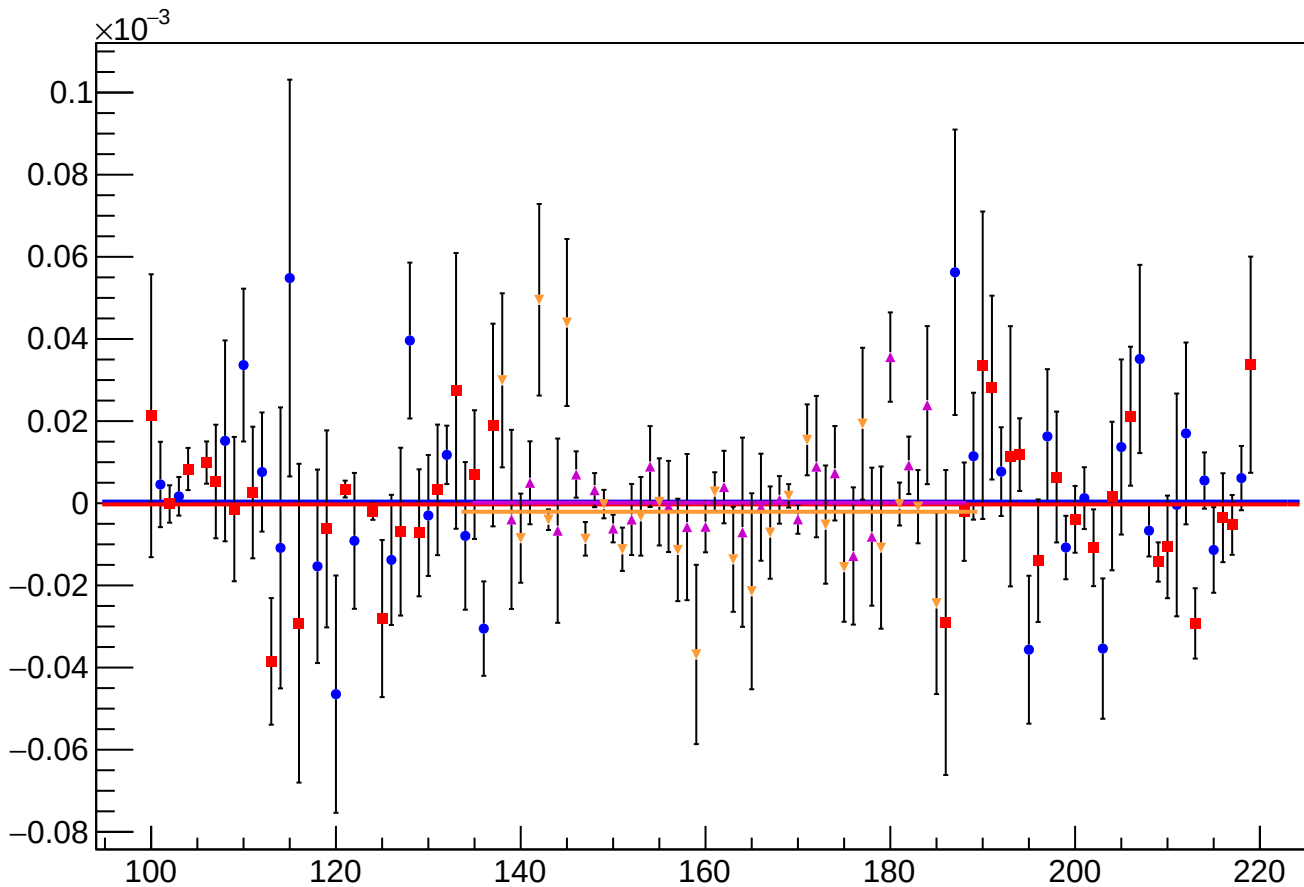
Left In: 320.746 $\pm$ 0.057 χ^2 /NDF: 4248172.2/22

+ sign 176.791 $\pm$ 0.023 χ^2 /NDF: 16919889.3/56

All: 169.314 $\pm$ 0.016 χ^2 /NDF: 35345398.9/1

- sign 162.837 $\pm$ 0.022 χ^2 /NDF: 18234136.8/59

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 45.9/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.8/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 54.2/36

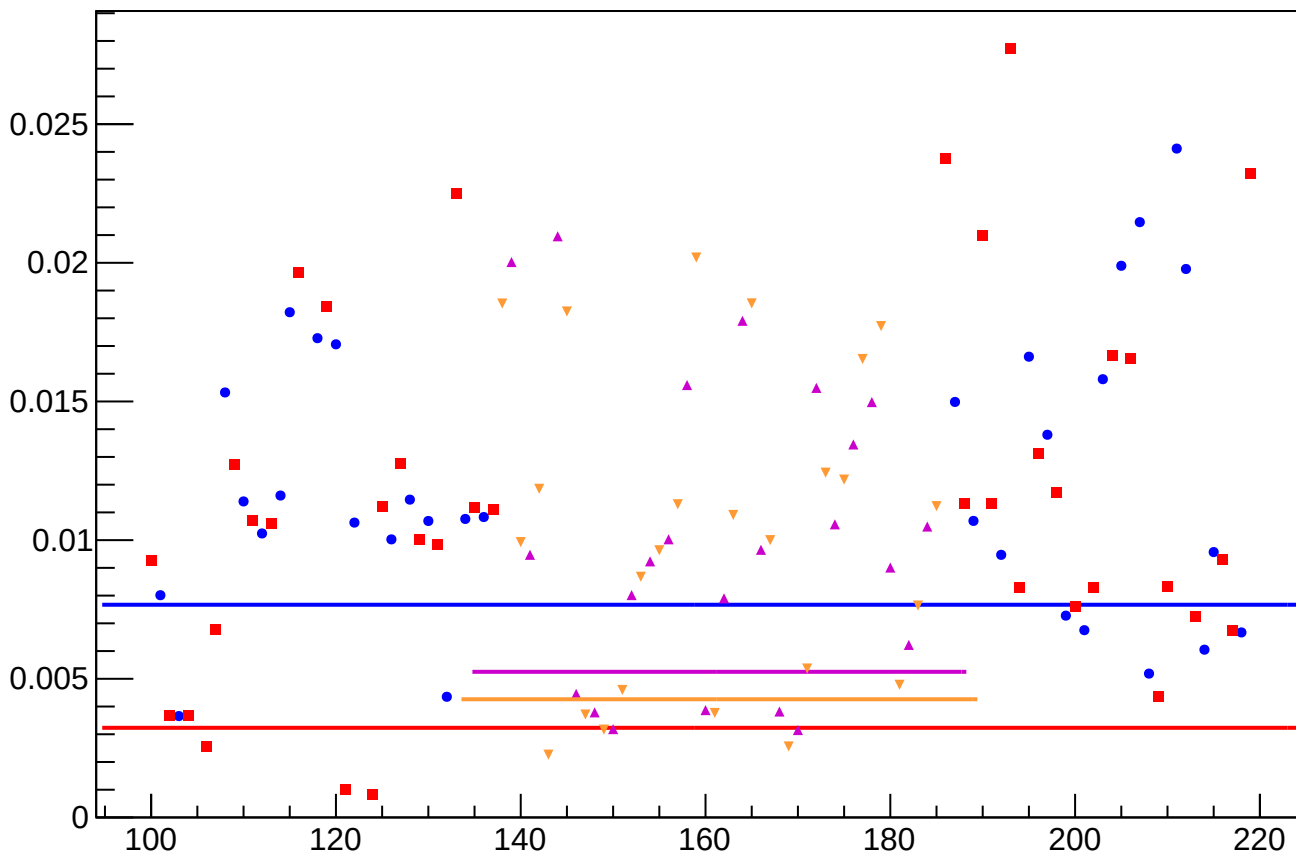
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 81.8/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 161.7/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 79.1/59

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 8107677.2/31

Left Out: 0.004+/-0.000 χ^2/NDF : 12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 23011104.6/36

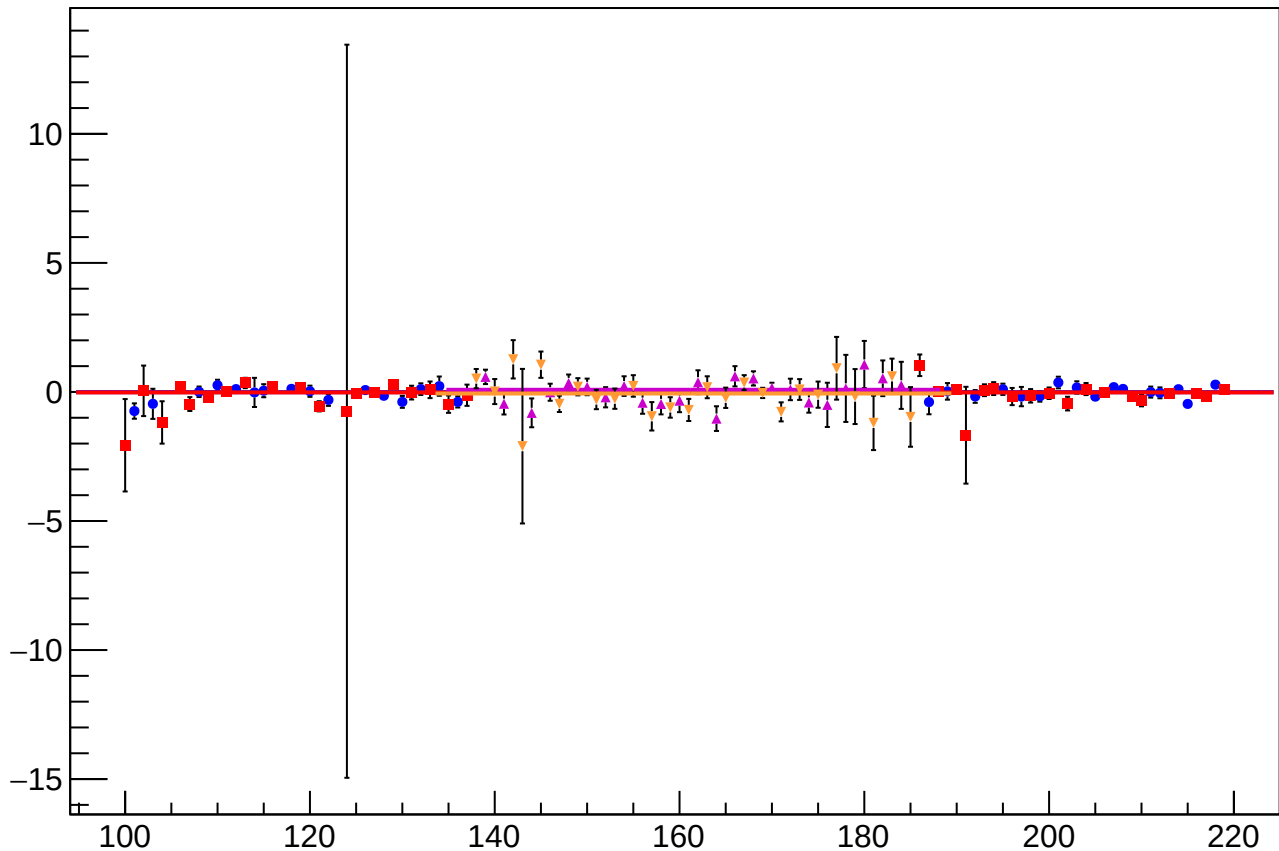
Left In: 0.005+/-0.000 χ^2/NDF : 9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 25280595.6/56

All: 0.004+/-0.000 χ^2/NDF : 61781256.0/116

- sign 0.004+/-0.000 χ^2/NDF : 34827127.7/59

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.036 χ^2/NDF : 42.2/31

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: -0.018 ± 0.033 χ^2/NDF : 45.6/36

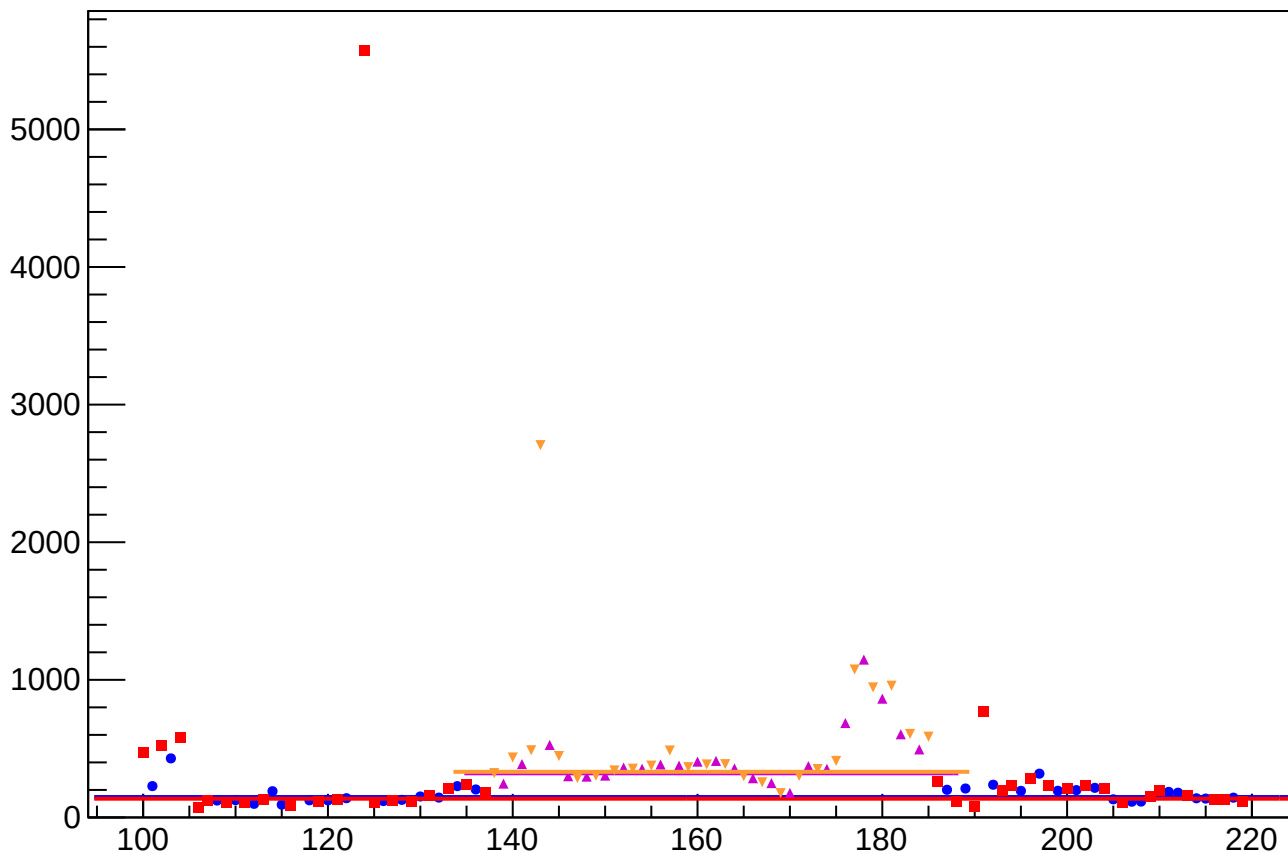
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.016 ± 0.033 χ^2/NDF : 73.3/56

All: -0.009 ± 0.022 χ^2/NDF : 147.3/116

- sign -0.003 ± 0.031 χ^2/NDF : 73.9/59

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.241 $\pm$ 0.025 χ^2 /NDF: 2971757.0/31

Left Out: 331.653 $\pm$ 0.059 χ^2 /NDF: 5838264.0/24

Right Out: 136.389 $\pm$ 0.023 χ^2 /NDF: 5143895.4/36

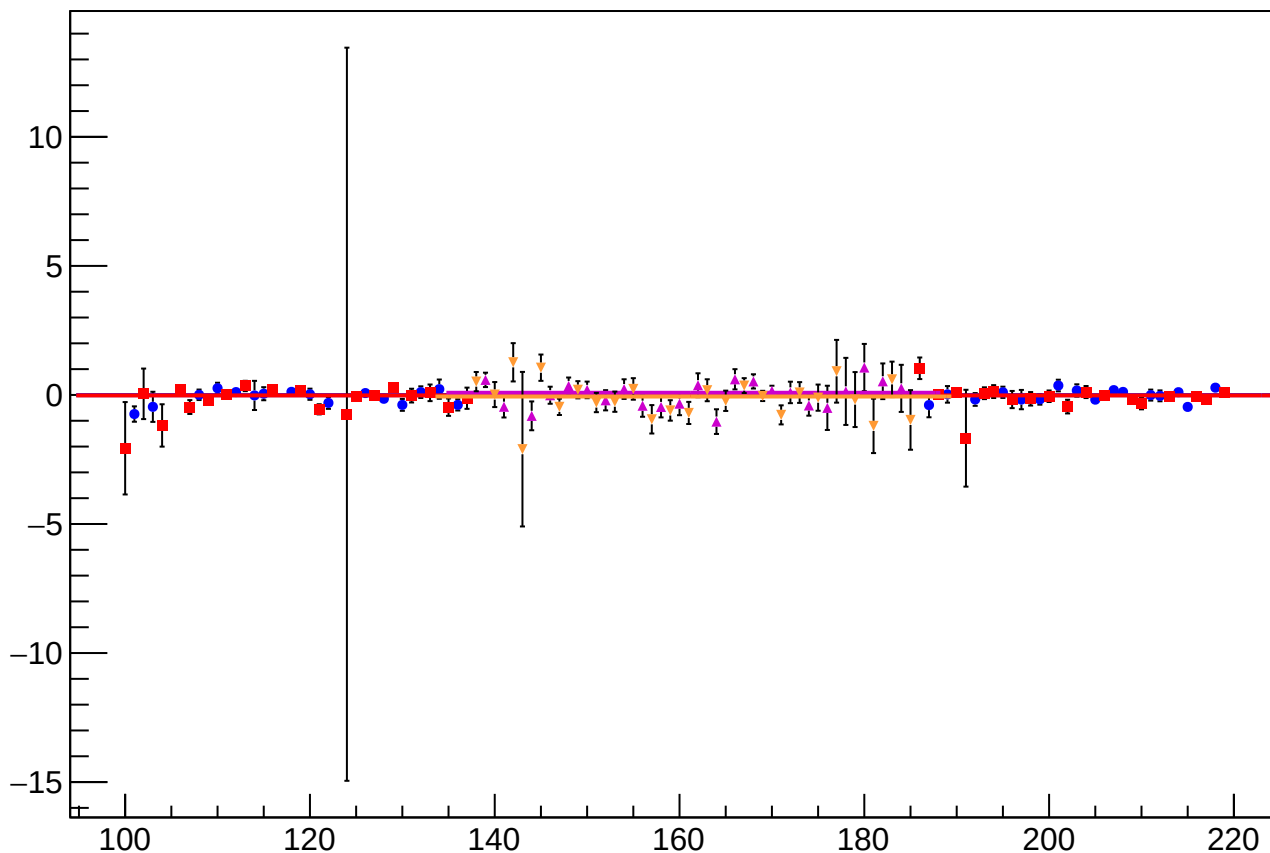
Left In: 320.749 $\pm$ 0.057 χ^2 /NDF: 4248171.3/22

+ sign 176.791 $\pm$ 0.023 χ^2 /NDF: 16919997.8/56

All: 169.314 $\pm$ 0.016 χ^2 /NDF: 35345884.1/11

- sign 162.835 $\pm$ 0.022 χ^2 /NDF: 18234470.7/59

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.036 χ^2/NDF : 42.2/31

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: -0.018 ± 0.033 χ^2/NDF : 45.6/36

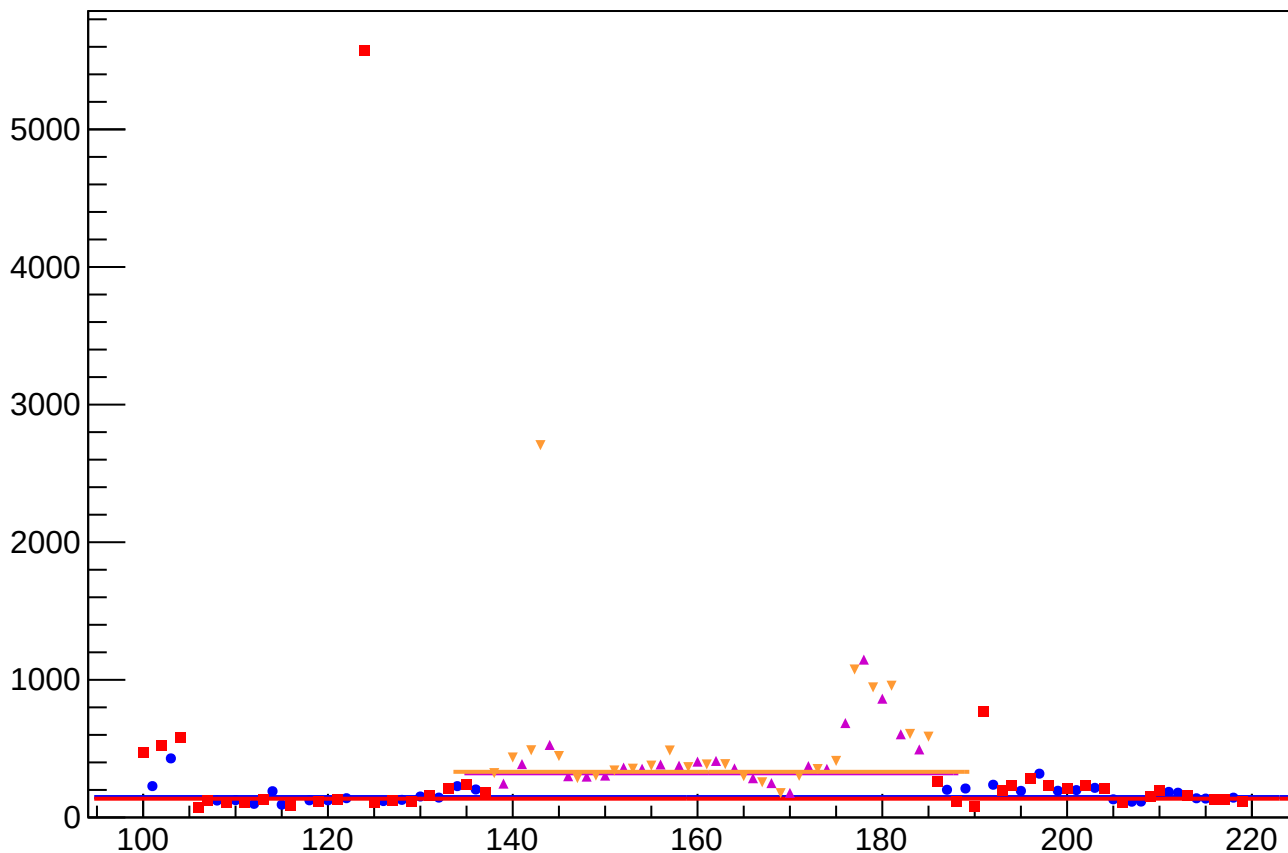
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.016 ± 0.033 χ^2/NDF : 73.3/56

All: -0.009 ± 0.022 χ^2/NDF : 147.3/116

- sign -0.003 ± 0.031 χ^2/NDF : 73.9/59

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.241 $\pm$ 0.025 χ^2 /NDF: 2971757.0/31

Left Out: 331.653 $\pm$ 0.059 χ^2 /NDF: 5838264.0/24

Right Out: 136.389 $\pm$ 0.023 χ^2 /NDF: 5143895.4/36

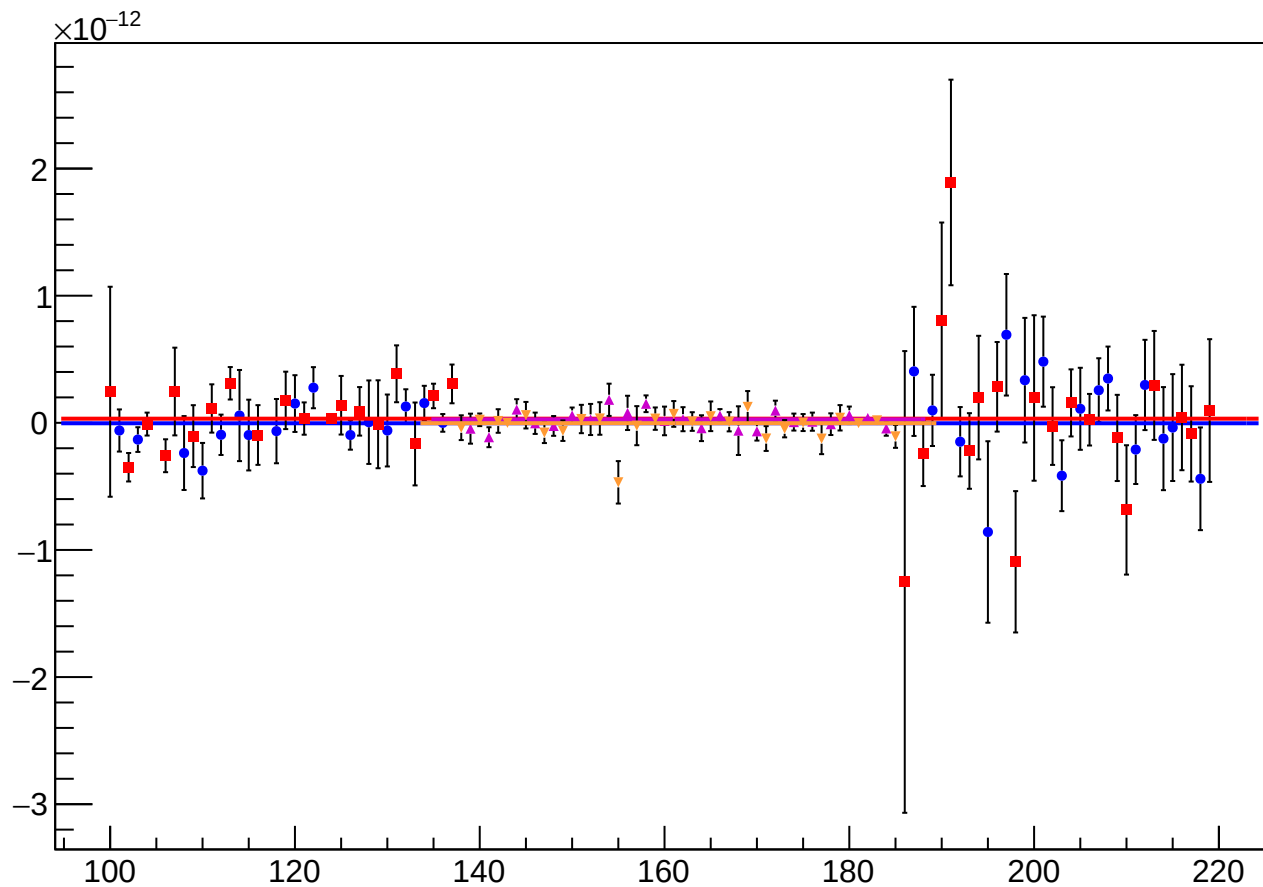
Left In: 320.749 $\pm$ 0.057 χ^2 /NDF: 4248171.3/22

+ sign 176.791 $\pm$ 0.023 χ^2 /NDF: 16919997.8/56

All: 169.314 $\pm$ 0.016 χ^2 /NDF: 35345884.1/11

- sign 162.835 $\pm$ 0.022 χ^2 /NDF: 18234470.7/59

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.3/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 17.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 49.5/36

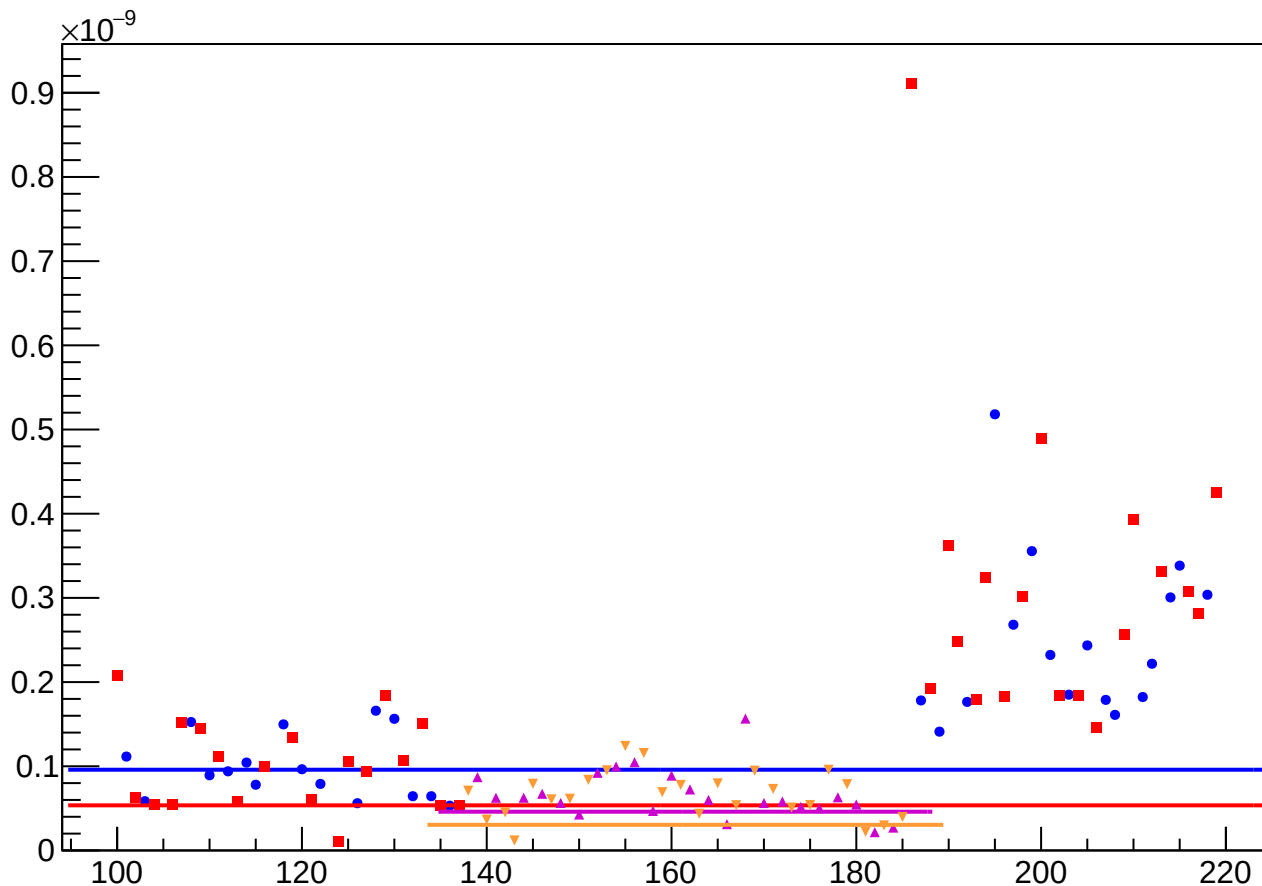
Left In: 0.000 ± 0.000 χ^2/NDF : 16.1/22

+ sign -0.000 ± 0.000 χ^2/NDF : 44.3/56

All: 0.000 ± 0.000 χ^2/NDF : 113.7/116

- sign 0.000 ± 0.000 χ^2/NDF : 65.7/59

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7131567.1/31

Left Out: 0.000+/-0.000 χ^2/NDF :10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 15043717.8/36

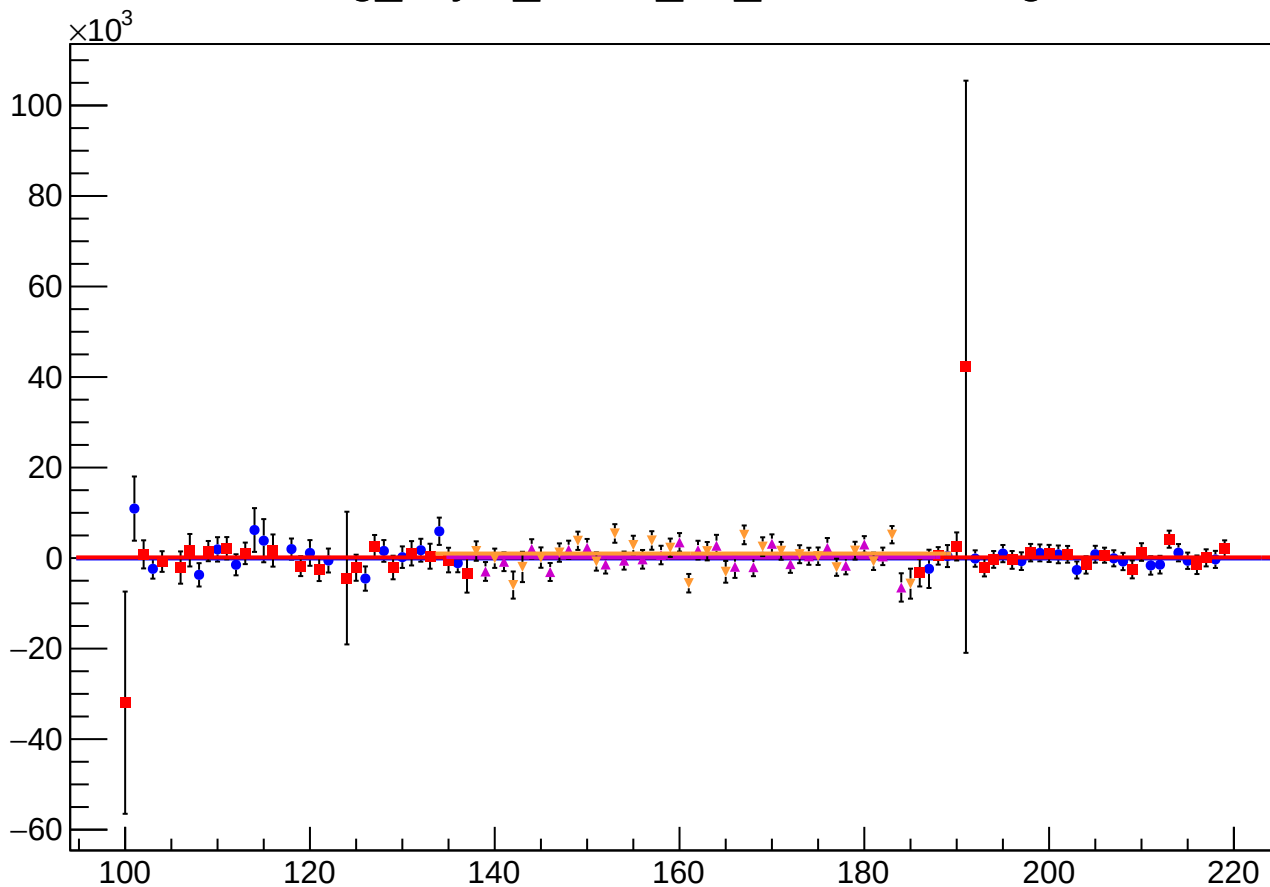
Left In: 0.000+/-0.000 χ^2/NDF :4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 24376909.0/56

All: 0.000+/-0.000 χ^2/NDF : 45496509.0/116

- sign 0.000+/-0.000 χ^2/NDF : 20085983.9/59

reg_asym_atr1l2_dd_mean vs Slug



Right In: -83.603 ± 395.676 χ^2/NDF : 23.0/31

Left Out: 1004.165 ± 422.582 χ^2/NDF : 47.4/24

Right Out: 150.930 ± 387.153 χ^2/NDF : 22.5/36

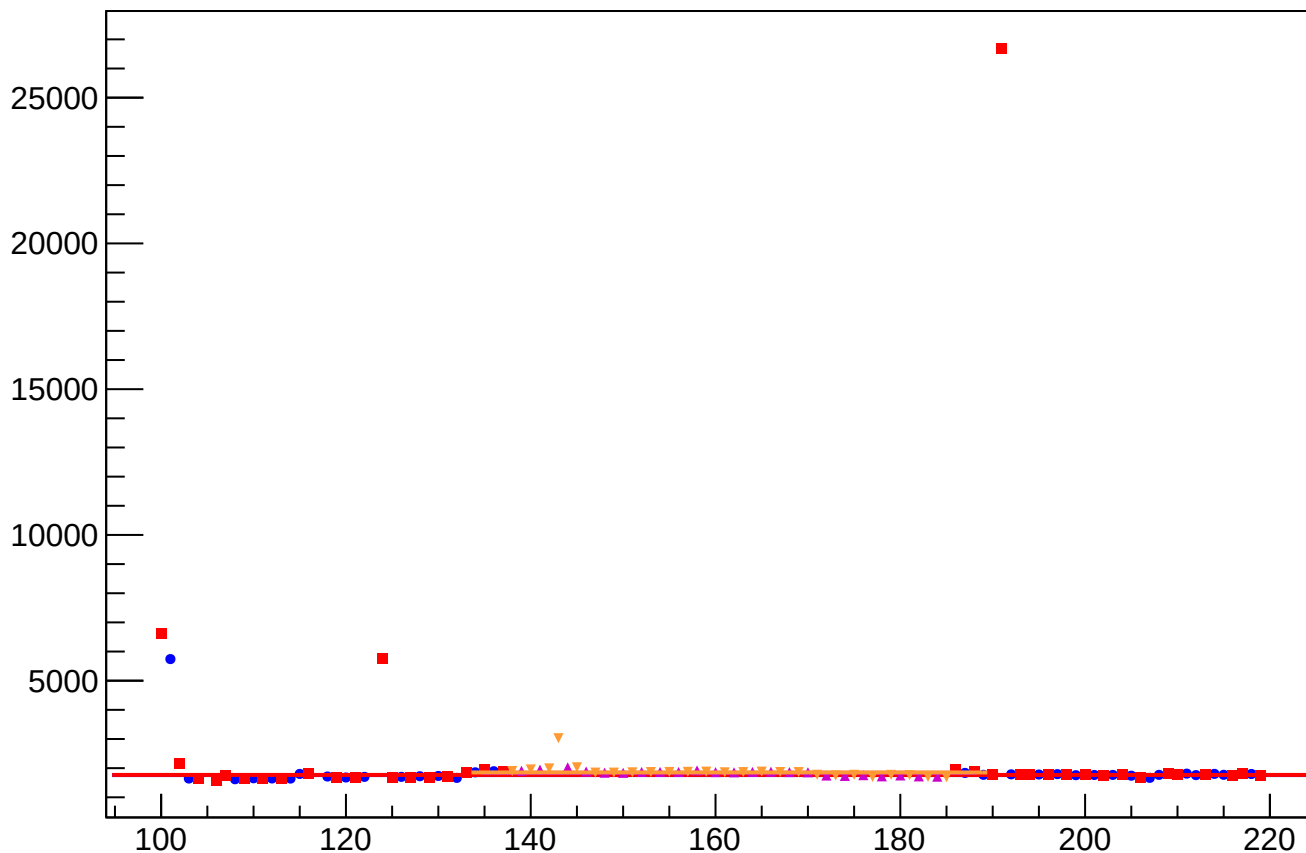
Left In: 229.321 ± 429.699 χ^2/NDF : 26.4/22

+ sign 424.552 ± 288.829 χ^2/NDF : 73.9/56

All: 304.805 ± 203.807 χ^2/NDF : 123.1/116

- sign 186.053 ± 287.627 χ^2/NDF : 48.9/59

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1762.681+/-0.280 χ^2/NDF : 681015.1/31

Left Out: 1852.534+/-0.299 χ^2/NDF : 321038.9/24

Right Out: 1767.423+/-0.273 χ^2/NDF : 647268.7/36

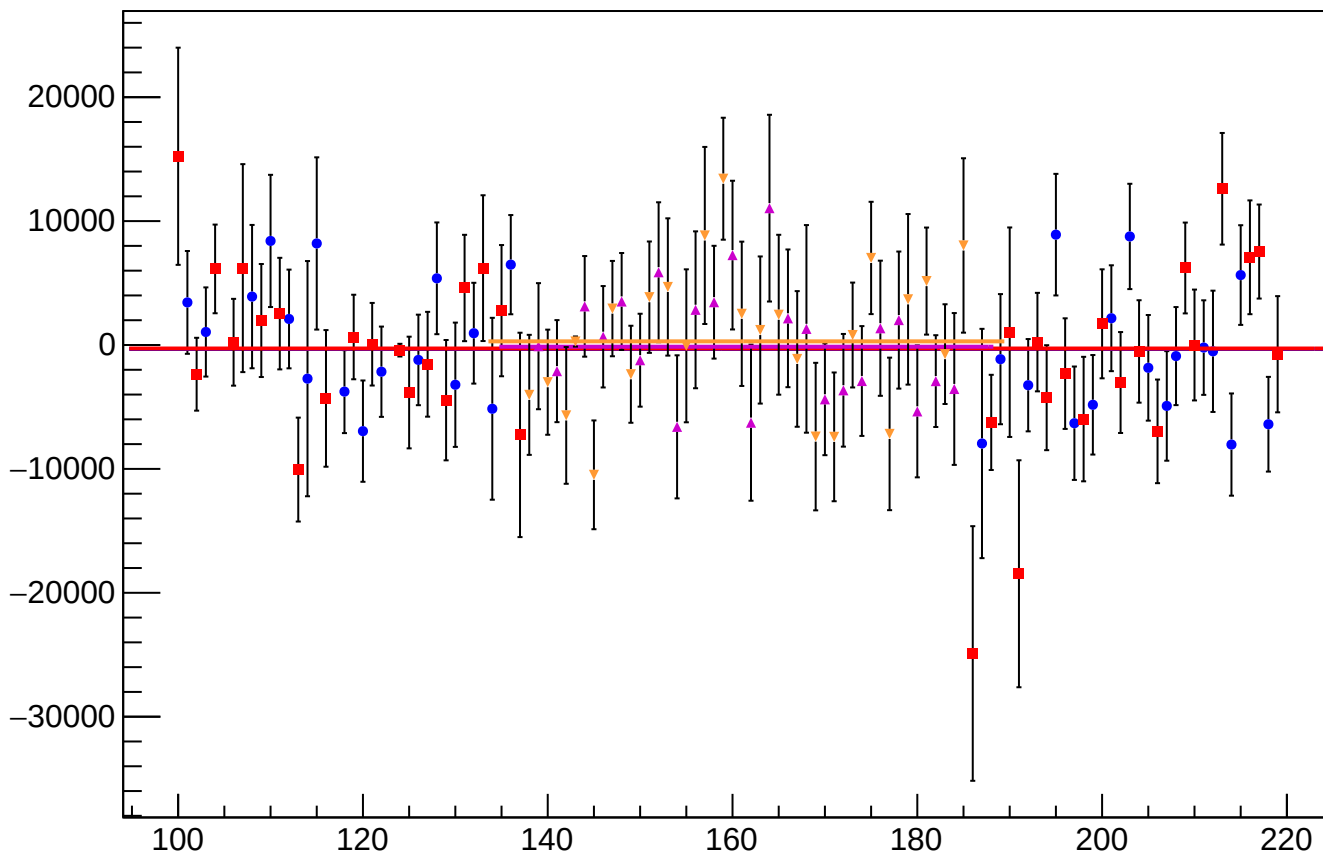
Left In: 1838.528+/-0.304 χ^2/NDF : 68478.0/22

+ sign 1804.656+/-0.204 χ^2/NDF : 1050234.8/56

All: 1801.908+/-0.144 χ^2/NDF : 1796638.9/11

- sign 1799.191+/-0.203 χ^2/NDF : 746044.1/59

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: -321.206 ± 772.523 χ^2/NDF : 37.6/31

Left Out: 294.407 ± 379.922 χ^2/NDF : 30.0/24

Right Out: -284.591 ± 420.925 χ^2/NDF : 55.1/36

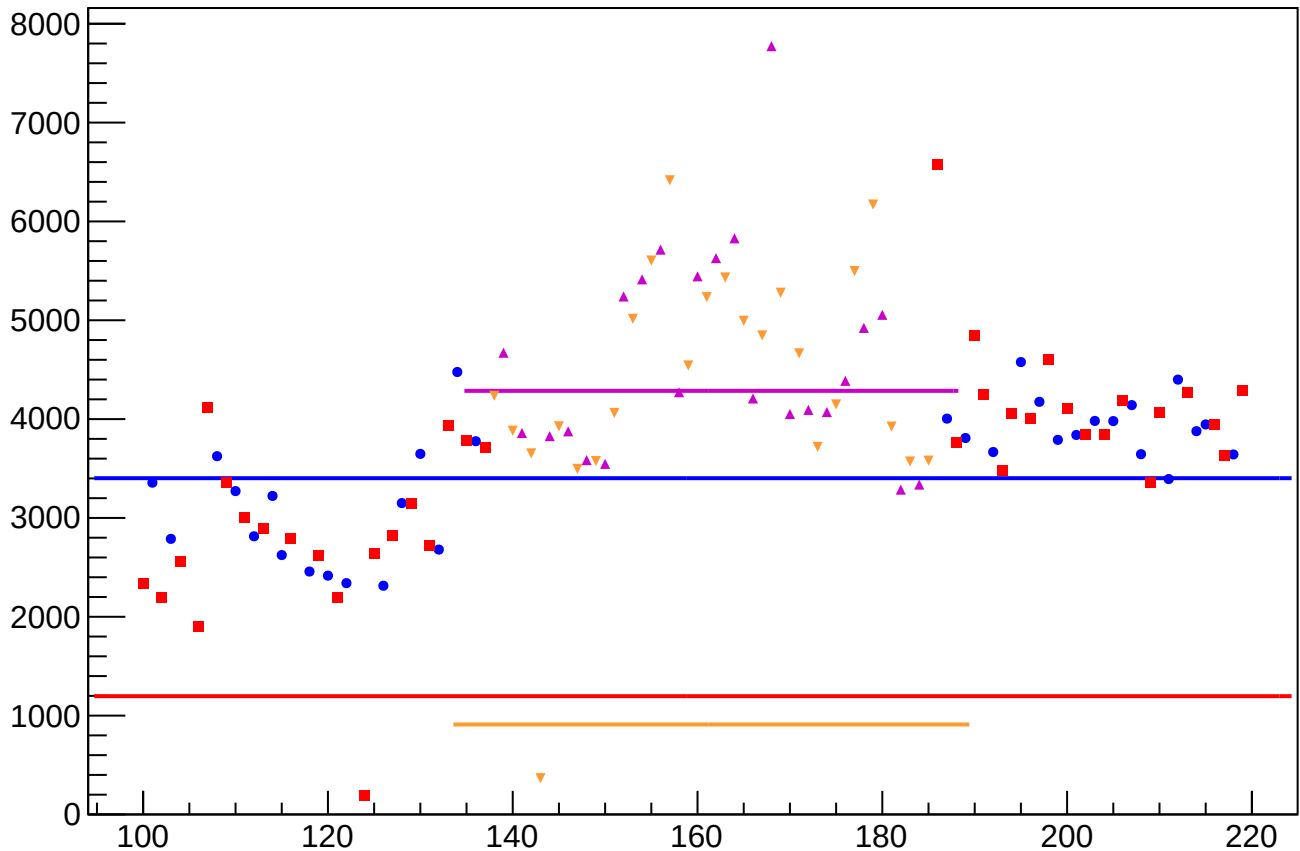
Left In: -138.350 ± 1022.943 χ^2/NDF : 13.9/22

+ sign 174.512 ± 340.924 χ^2/NDF : 68.2/56

All: -15.589 ± 256.466 χ^2/NDF : 137.9/116

- sign -263.415 ± 389.259 χ^2/NDF : 69.0/59

asym_atr12_dd_reg_correction_rms vs Slug



Right In: 3402.203+/-0.546 χ^2/NDF : 1422497.2/31

Left Out: 910.135+/-0.269 χ^2/NDF : 26774123.9/24

Right Out: 1196.710+/-0.298 χ^2/NDF : 26359722.3/36

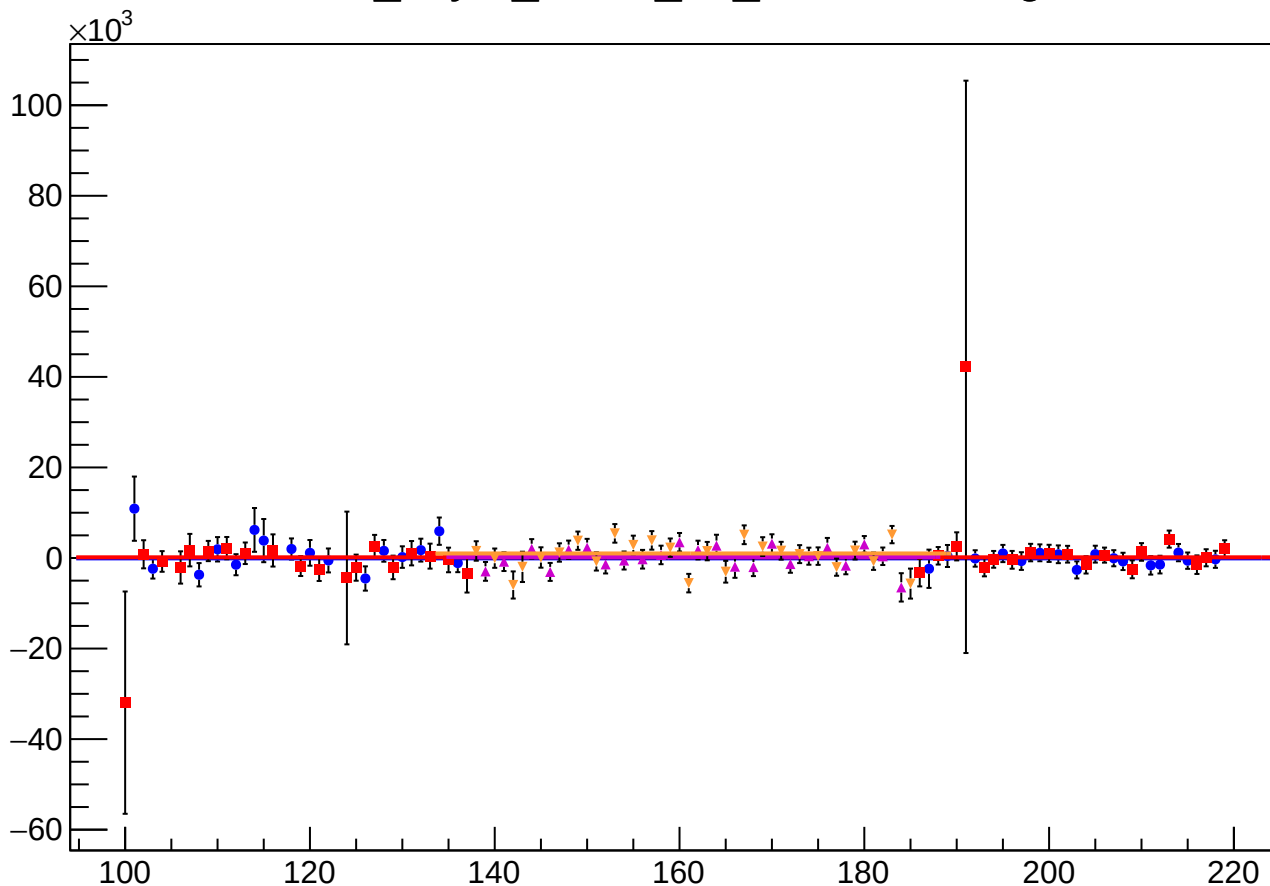
Left In: 4285.839+/-0.723 χ^2/NDF : 1327947.9/22

+ sign 1395.482+/-0.241 χ^2/NDF : 44955832.3/56

All: 1503.371+/-0.181 χ^2/NDF : 88702809.1/1

- sign 1644.022+/-0.275 χ^2/NDF : 43285564.5/59

cor_asym_atr1l2_dd_mean vs Slug



Right In: -83.755 ± 395.676 χ^2/NDF : 23.0/31

Left Out: 1004.123 ± 422.582 χ^2/NDF : 47.4/24

Right Out: 150.930 ± 387.153 χ^2/NDF : 22.5/36

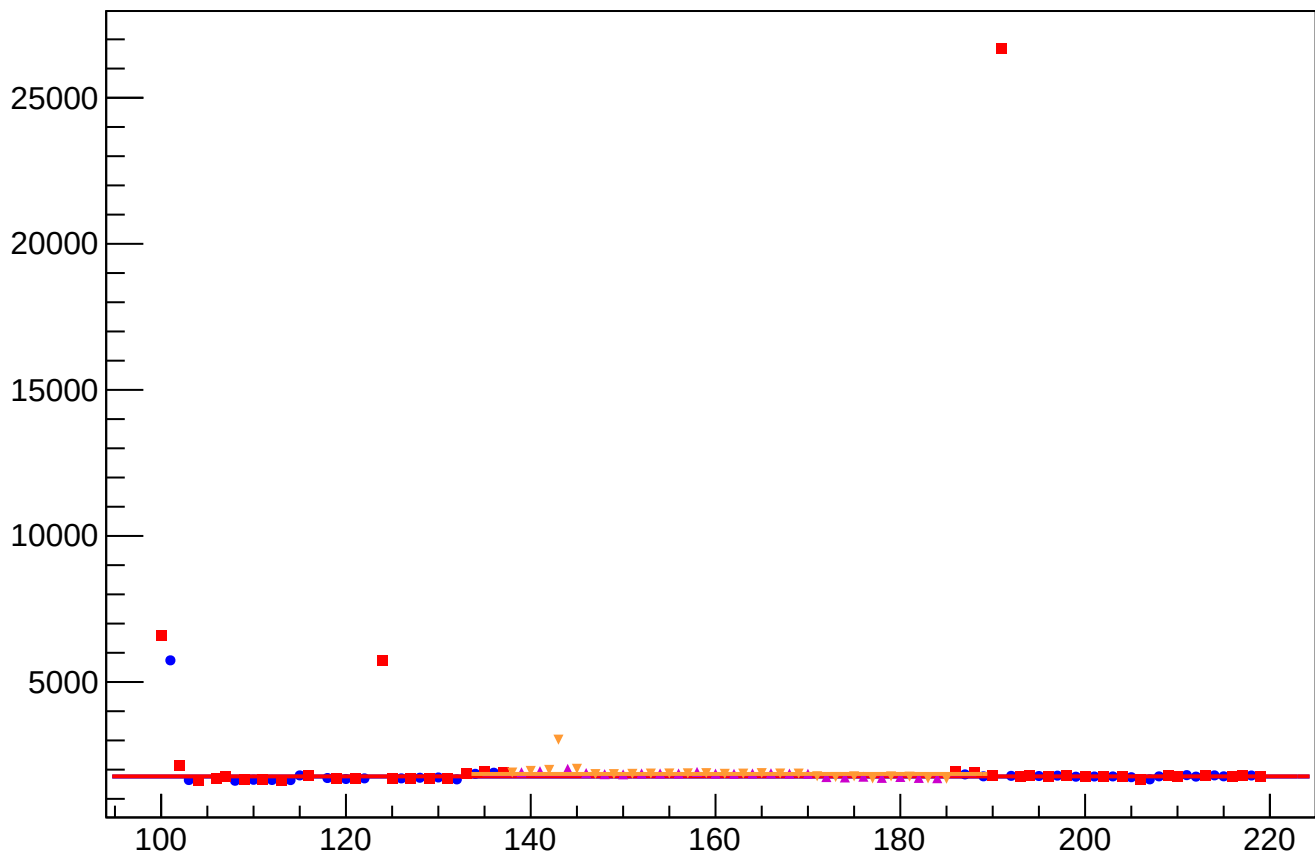
Left In: 229.236 ± 429.699 χ^2/NDF : 26.4/22

+ sign 424.452 ± 288.829 χ^2/NDF : 73.9/56

All: 304.737 ± 203.807 χ^2/NDF : 123.1/116

- sign 186.016 ± 287.627 χ^2/NDF : 48.9/59

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.681+/-0.280 χ^2/NDF : 681015.4/31

Left Out: 1852.534+/-0.299 χ^2/NDF : 321038.9/24

Right Out: 1769.845+/-0.273 χ^2/NDF : 639039.8/36

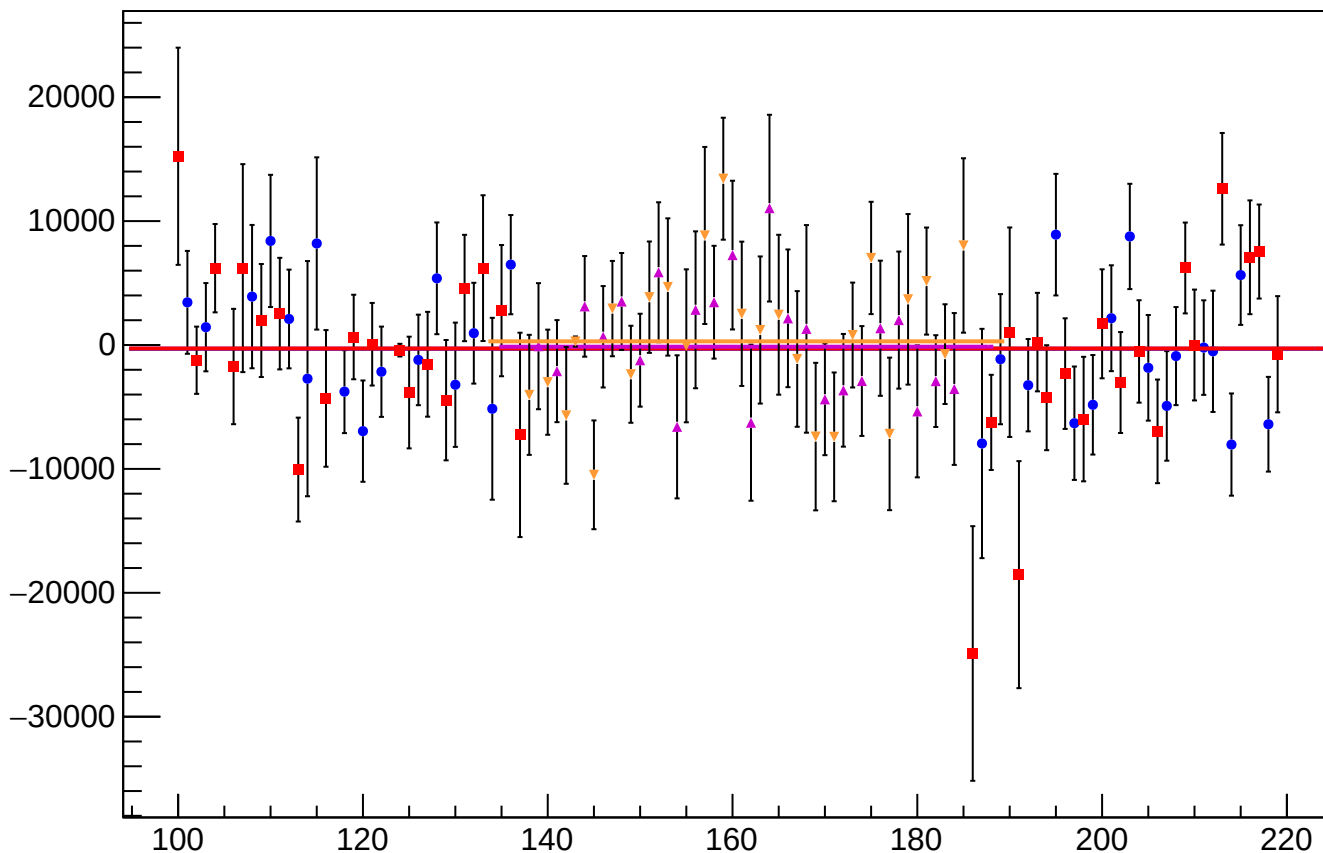
Left In: 1838.528+/-0.304 χ^2/NDF : 68478.0/22

+ sign 1804.656+/-0.204 χ^2/NDF : 1050235.1/56

All: 1802.605+/-0.144 χ^2/NDF : 1786190.0/11

- sign 1800.574+/-0.203 χ^2/NDF : 735754.2/59

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: -301.736 ± 772.164 χ^2/NDF : 37.7/31

Left Out: 295.308 ± 379.951 χ^2/NDF : 30.0/24

Right Out: -282.548 ± 421.635 χ^2/NDF : 54.9/36

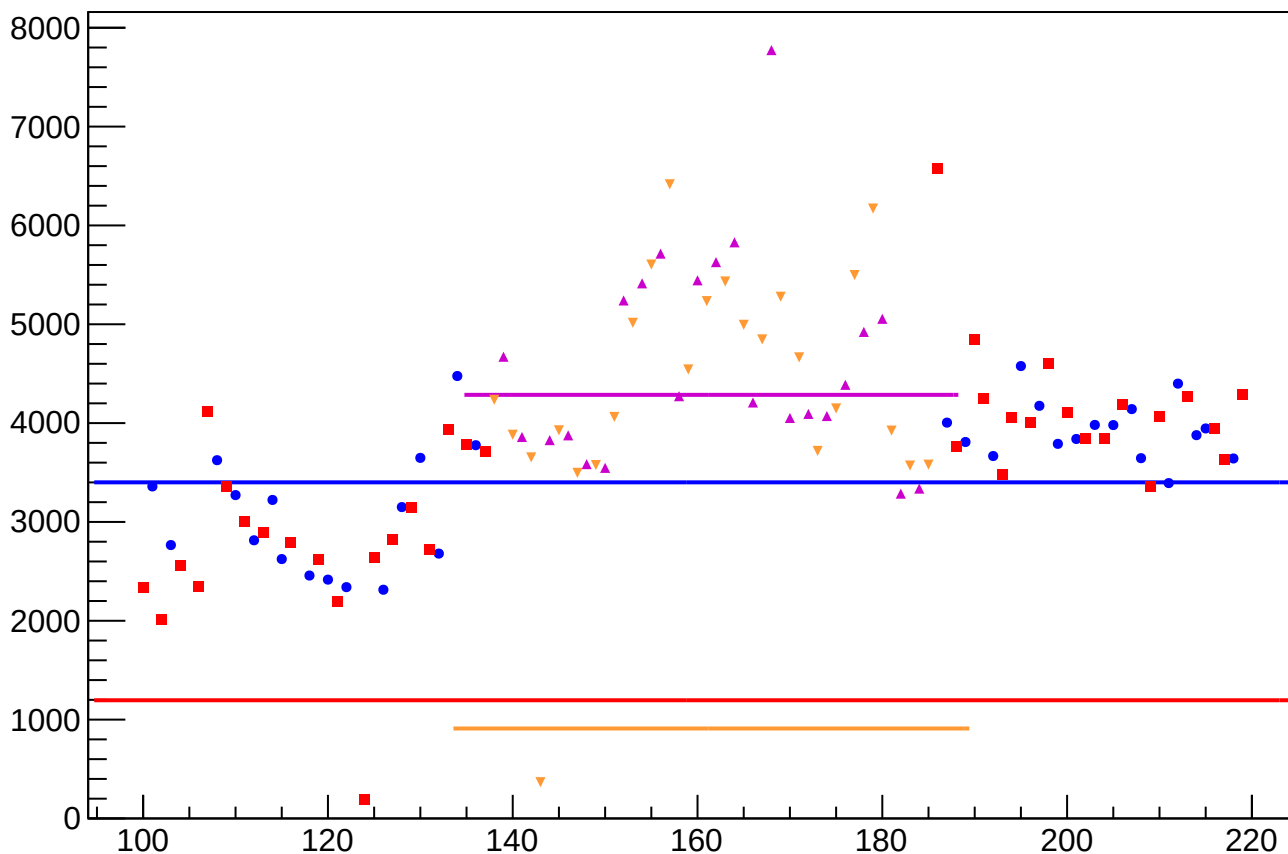
Left In: -138.272 ± 1022.940 χ^2/NDF : 13.9/22

+ sign 178.928 ± 340.914 χ^2/NDF : 68.3/56

All: -11.983 ± 256.622 χ^2/NDF : 137.8/116

- sign -261.597 ± 389.820 χ^2/NDF : 68.8/59

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3400.654 $\pm$ 0.546 χ^2/NDF : 1428039.2/31

Left Out: 910.253 $\pm$ 0.269 χ^2/NDF : 26772969.1/24

Right Out: 1195.839 $\pm$ 0.298 χ^2/NDF : 26336480.0/36

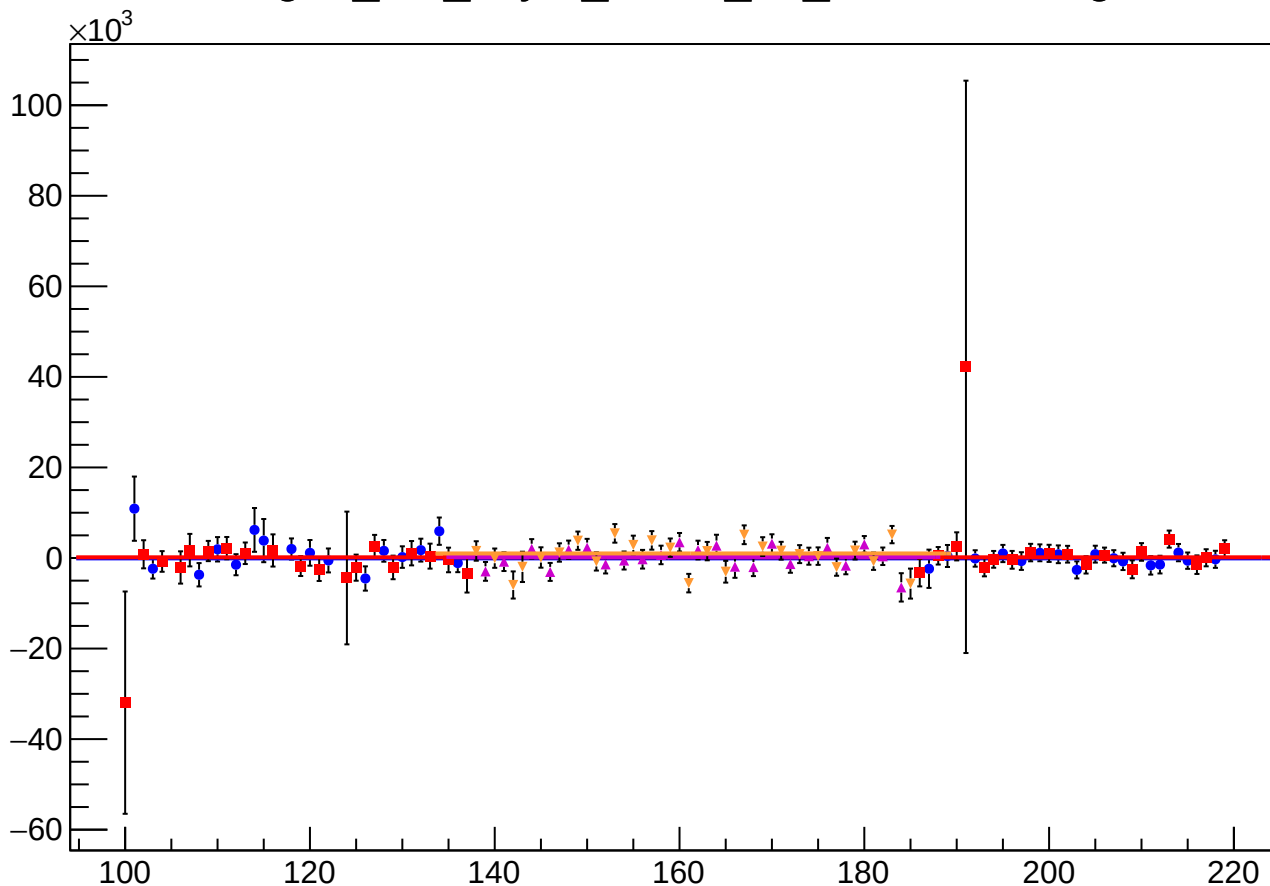
Left In: 4285.828 $\pm$ 0.723 χ^2/NDF : 1327963.4/22

+ sign 1395.699 $\pm$ 0.241 χ^2/NDF : 44949850.0/56

All: 1503.552 $\pm$ 0.181 χ^2/NDF : 88675202.1/1

- sign 1644.568 $\pm$ 0.276 χ^2/NDF : 43263458.5/59

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: -83.755 $\pm$ 395.676 χ^2/NDF : 23.0/31

Left Out: 1004.123 $\pm$ 422.582 χ^2/NDF : 47.4/24

Right Out: 150.930 $\pm$ 387.153 χ^2/NDF : 22.5/36

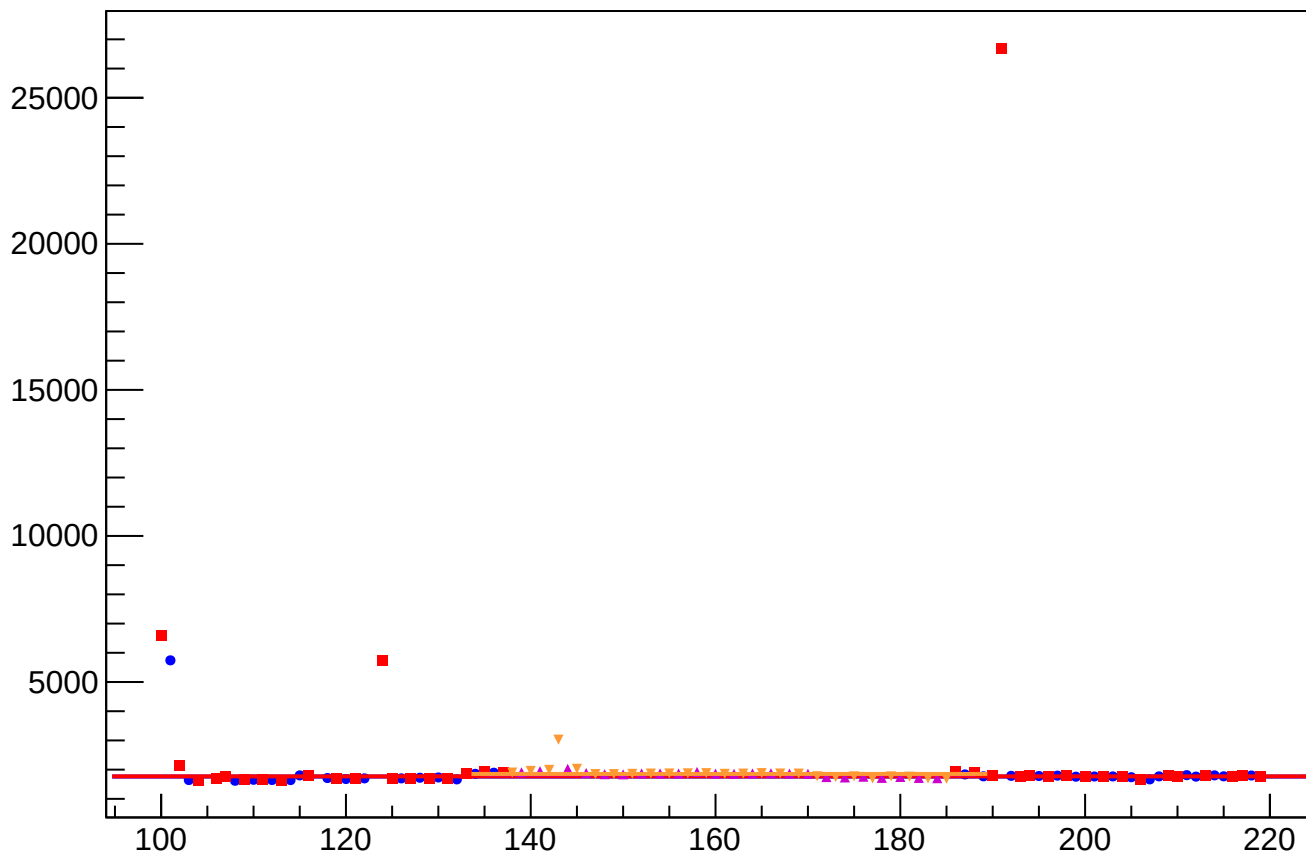
Left In: 229.236 $\pm$ 429.699 χ^2/NDF : 26.4/22

+ sign 424.452 $\pm$ 288.829 χ^2/NDF : 73.9/56

All: 304.737 $\pm$ 203.807 χ^2/NDF : 123.1/116

- sign 186.016 $\pm$ 287.627 χ^2/NDF : 48.9/59

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.681 $\pm$ 0.280 χ^2 /NDF: 681015.4/31

Left Out: 1852.534 $\pm$ 0.299 χ^2 /NDF: 321038.9/24

Right Out: 1769.845 $\pm$ 0.273 χ^2 /NDF: 639039.8/36

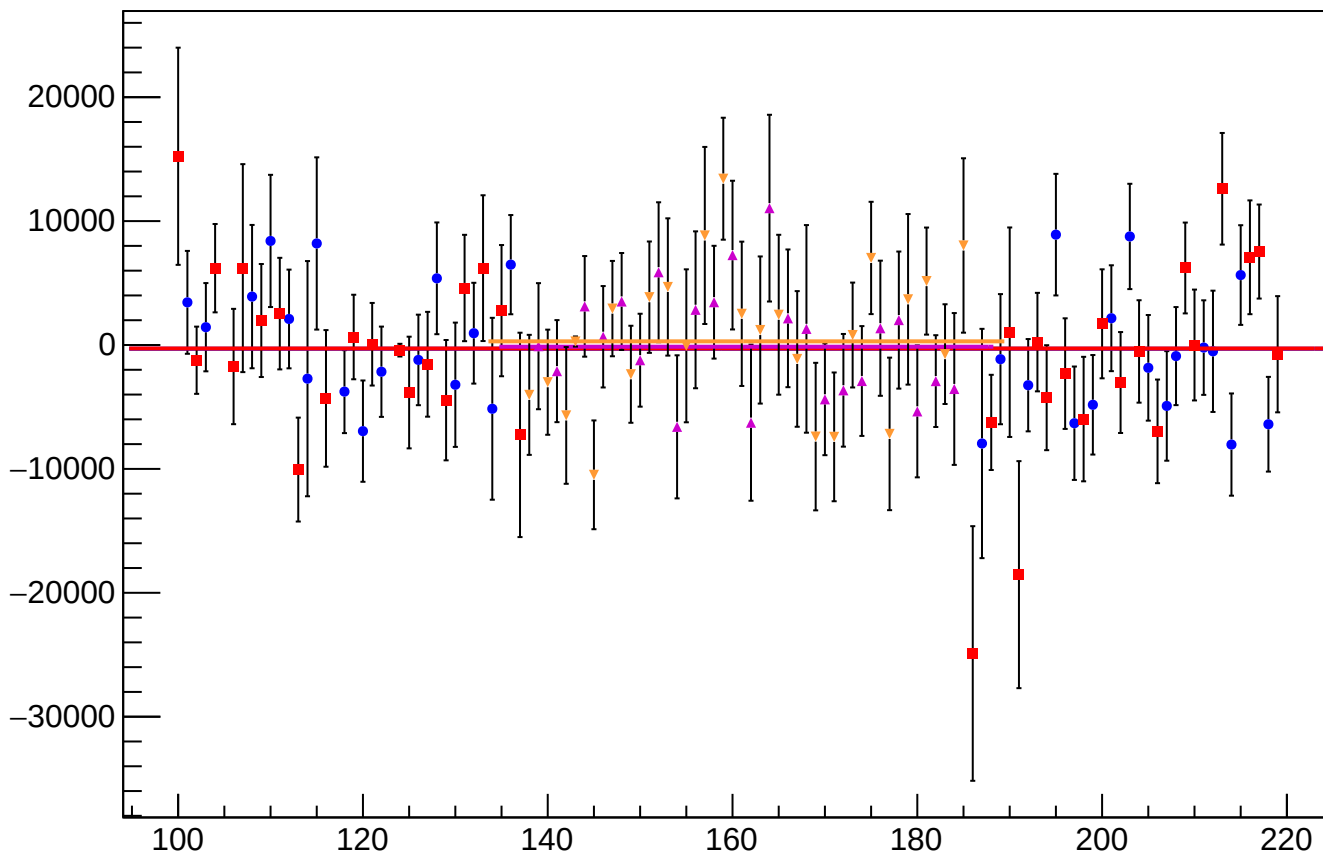
Left In: 1838.528 $\pm$ 0.304 χ^2 /NDF: 68478.0/22

+ sign 1804.656 $\pm$ 0.204 χ^2 /NDF: 1050235.1/56

All: 1802.605 $\pm$ 0.144 χ^2 /NDF: 1786190.0/11

- sign 1800.574 $\pm$ 0.203 χ^2 /NDF: 735754.2/59

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: -301.736 ± 772.164 χ^2/NDF : 37.7/31

Left Out: 295.308 ± 379.951 χ^2/NDF : 30.0/24

Right Out: -282.548 ± 421.635 χ^2/NDF : 54.9/36

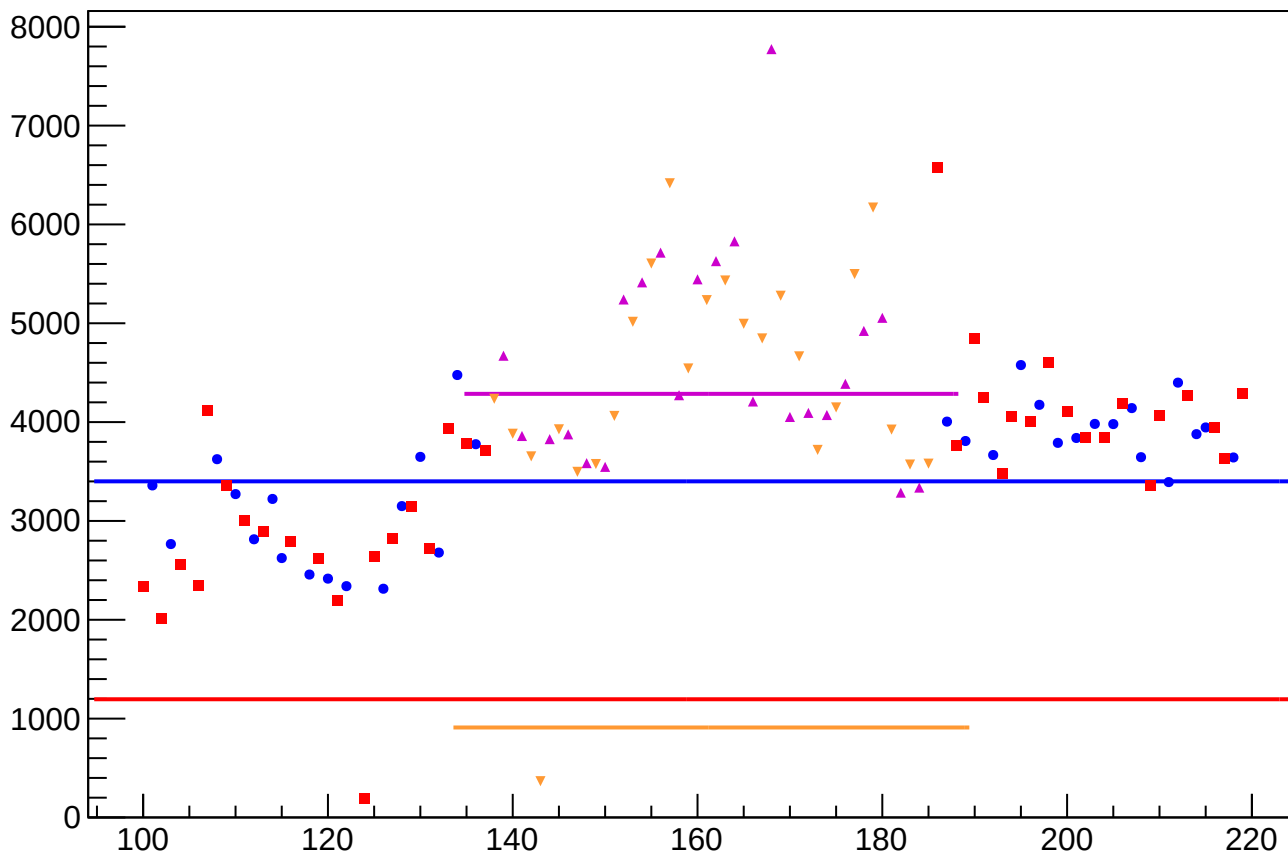
Left In: -138.272 ± 1022.940 χ^2/NDF : 13.9/22

+ sign 178.928 ± 340.914 χ^2/NDF : 68.3/56

All: -11.983 ± 256.622 χ^2/NDF : 137.8/116

- sign -261.597 ± 389.820 χ^2/NDF : 68.8/59

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3400.654 ± 0.546 $\chi^2/\text{NDF}: 1428039.2/31$

Left Out: 910.253 ± 0.269 $\chi^2/\text{NDF}: 26772969.1/24$

Right Out: 1195.839 ± 0.298 $\chi^2/\text{NDF}: 26336480.0/36$

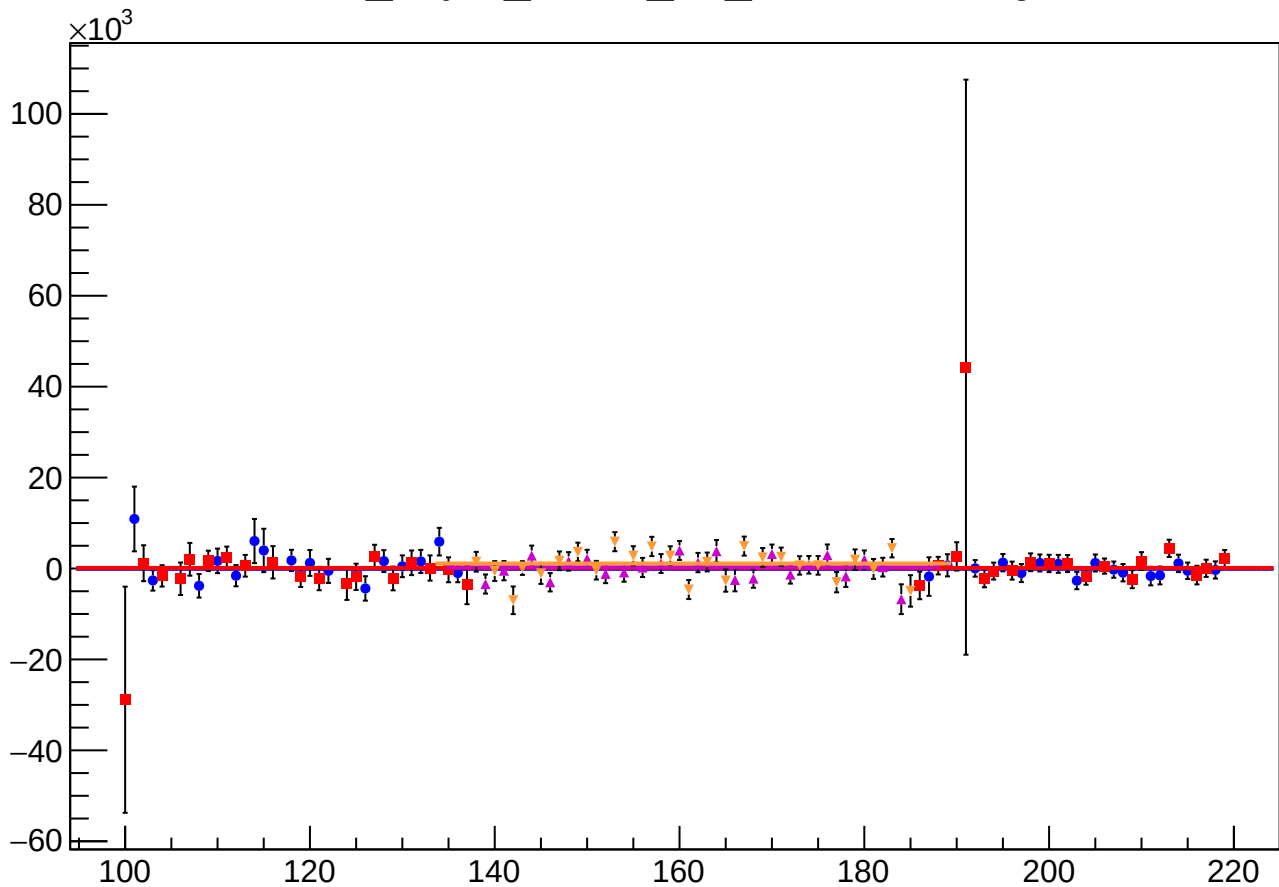
Left In: 4285.828 ± 0.723 $\chi^2/\text{NDF}: 1327963.4/22$

+ sign 1395.699 ± 0.241 $\chi^2/\text{NDF}: 44949850.0/56$

All: 1503.552 ± 0.181 $\chi^2/\text{NDF}: 88675202.1/1$

- sign 1644.568 ± 0.276 $\chi^2/\text{NDF}: 43263458.5/59$

dit_asym_atr1l2_dd_mean vs Slug



Right In: -67.987 ± 397.771 χ^2/NDF : 23.3/31

Left Out: 1103.308 ± 425.320 χ^2/NDF : 44.8/24

Right Out: 123.105 ± 388.217 χ^2/NDF : 25.1/36

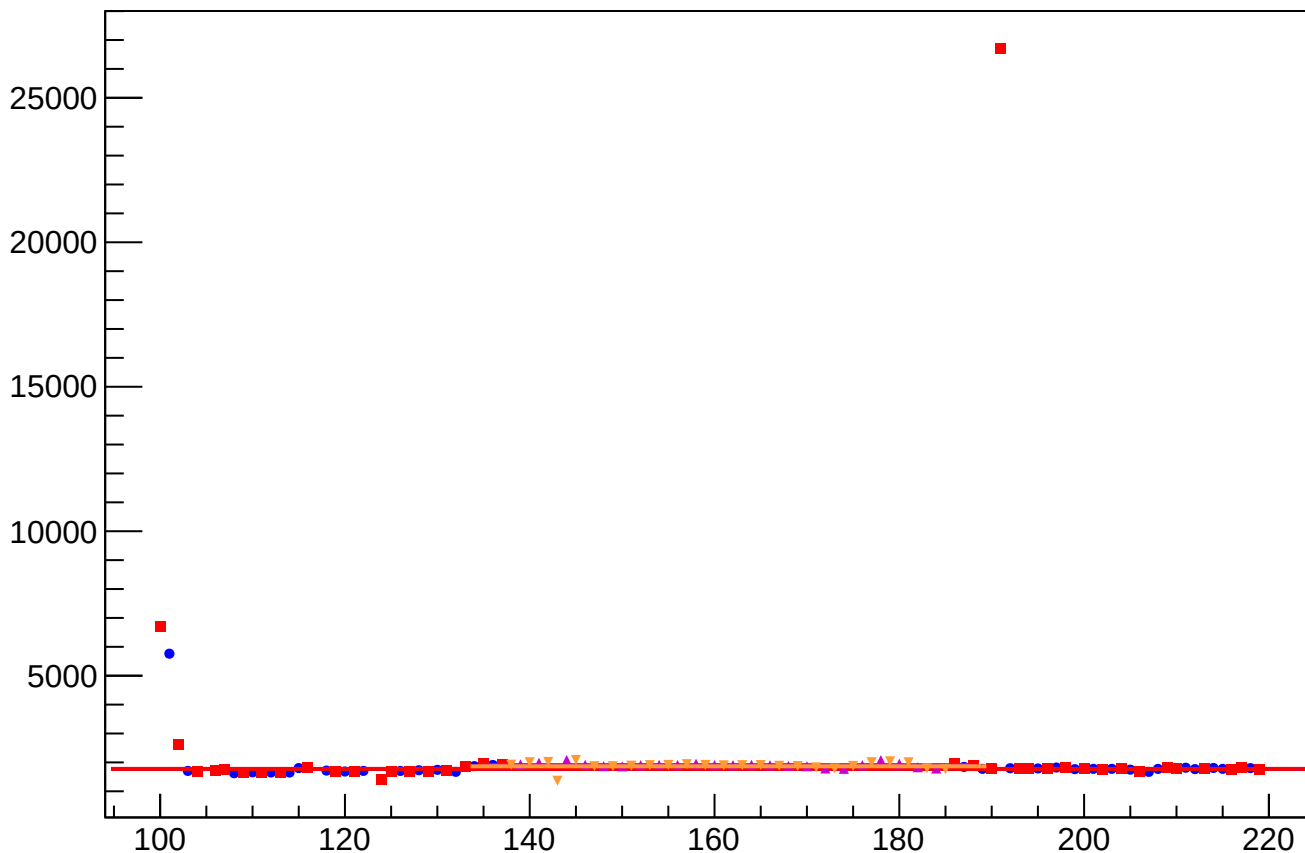
Left In: 264.609 ± 445.353 χ^2/NDF : 27.7/22

+ sign 478.500 ± 290.518 χ^2/NDF : 72.2/56

All: 332.422 ± 206.173 χ^2/NDF : 125.5/116

- sign 184.203 ± 292.640 χ^2/NDF : 52.9/59

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1772.021+/-0.281 χ^2 /NDF: 679414.9/31

Left Out: 1864.841+/-0.301 χ^2 /NDF: 294712.1/24

Right Out: 1774.713+/-0.274 χ^2 /NDF: 570775.0/36

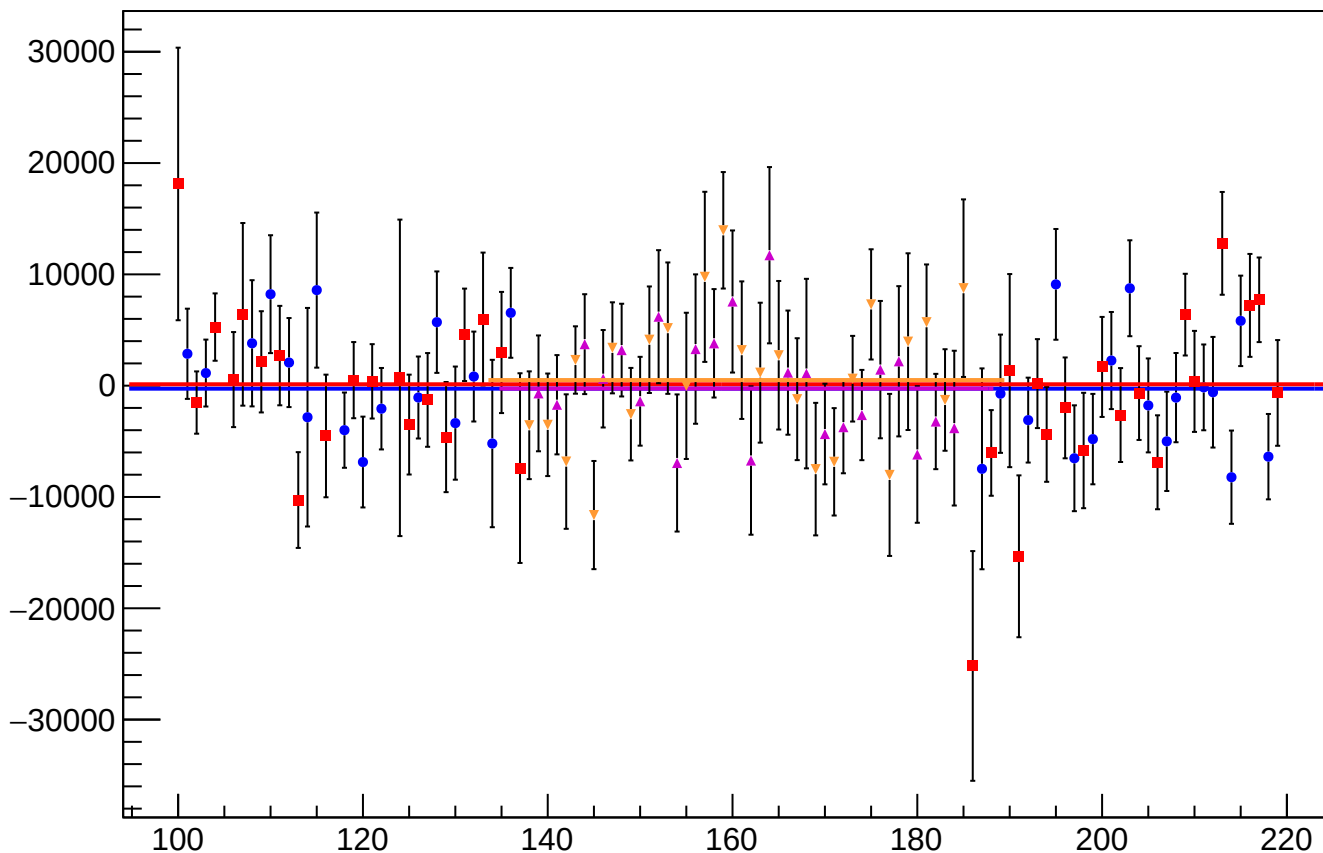
Left In: 1905.628+/-0.315 χ^2 /NDF: 52781.7/22

+ sign 1815.328+/-0.205 χ^2 /NDF: 1024938.0/56

All: 1823.197+/-0.146 χ^2 /NDF: 1749736.9/11

- sign 1831.173+/-0.207 χ^2 /NDF: 721843.8/59

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: -270.116 ± 770.383 χ^2/NDF : 37.6/31

Left Out: 504.261 ± 1021.684 χ^2/NDF : 30.1/24

Right Out: 124.277 ± 741.208 χ^2/NDF : 53.8/36

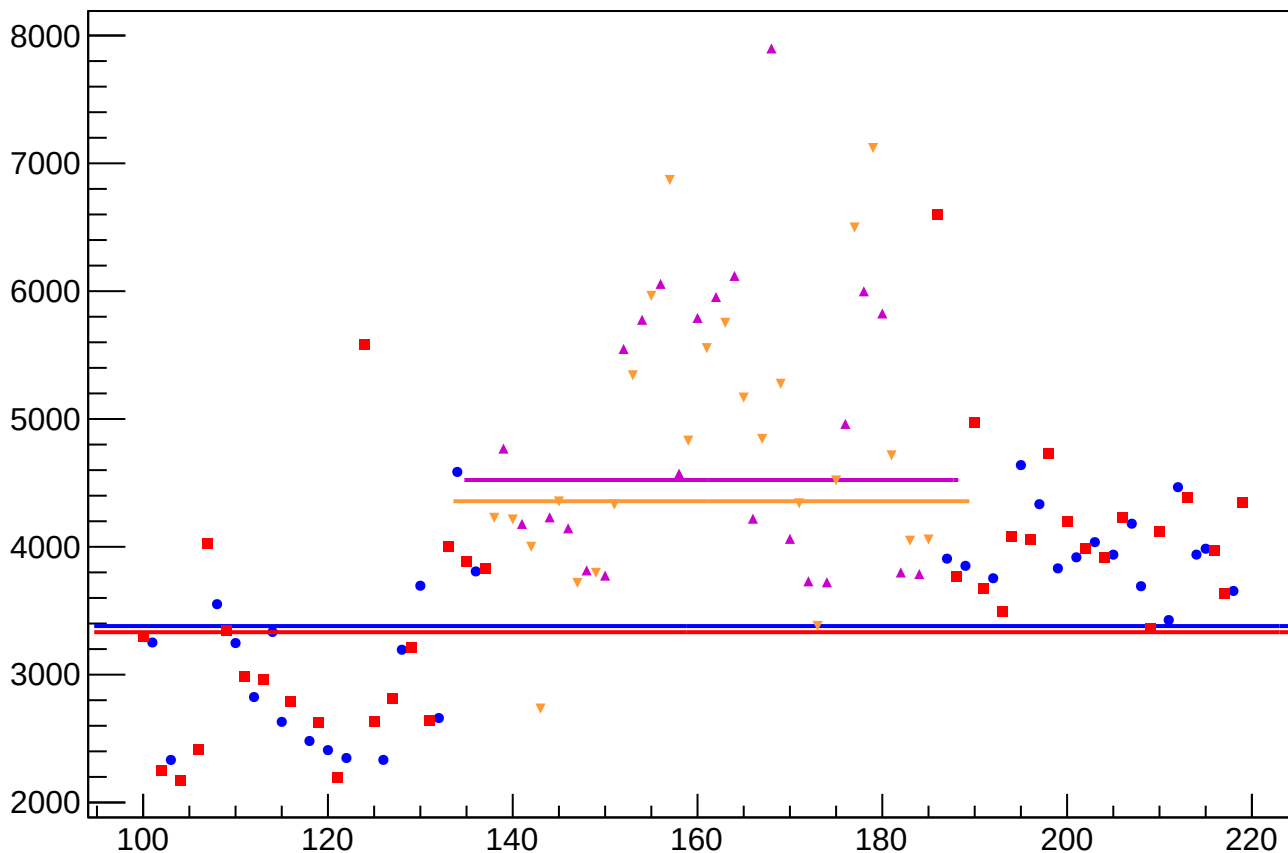
Left In: -261.050 ± 1081.402 χ^2/NDF : 13.6/22

+ sign 10.576 ± 615.113 χ^2/NDF : 68.0/56

All: 5.816 ± 433.625 χ^2/NDF : 135.6/116

- sign 1.114 ± 611.381 χ^2/NDF : 67.5/59

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3380.062 $\pm$ 0.545 χ^2 /NDF: 1682610.9/31

Left Out: 4356.643 $\pm$ 0.722 χ^2 /NDF:1912322.9/24

Right Out: 3332.226 $\pm$ 0.524 χ^2 /NDF: 2424628.2/36

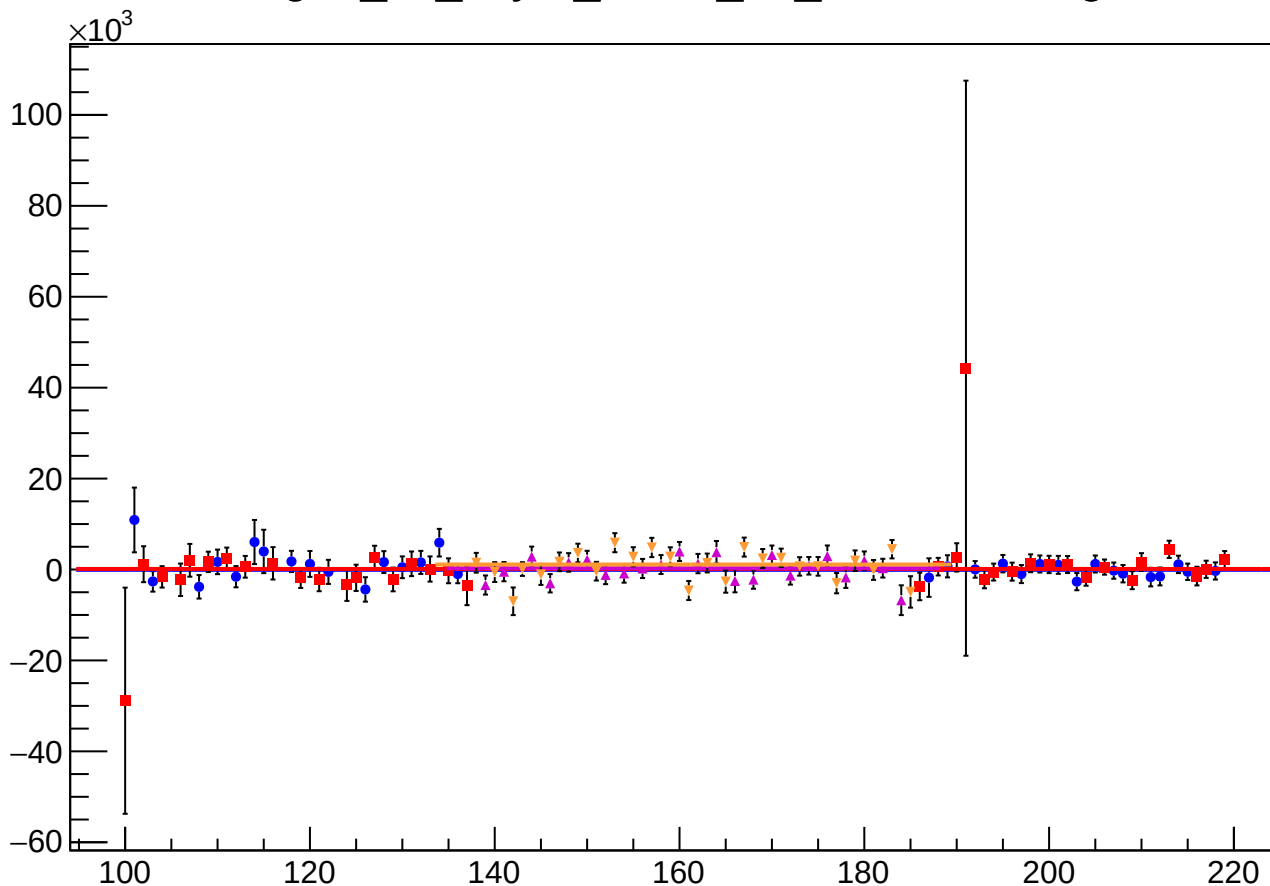
Left In: 4522.787 $\pm$ 0.765 χ^2 /NDF:1434008.9/22

+ sign 3734.048 $\pm$ 0.435 χ^2 /NDF: 4759895.4/56

All: 3723.343 $\pm$ 0.307 χ^2 /NDF: 10269049.3/100

- sign 3712.767 $\pm$ 0.432 χ^2 /NDF: 5507949.7/59

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: -67.988 ± 397.771 χ^2/NDF : 23.3/31

Left Out: 1103.310 ± 425.321 χ^2/NDF : 44.8/24

Right Out: 123.104 ± 388.217 χ^2/NDF : 25.1/36

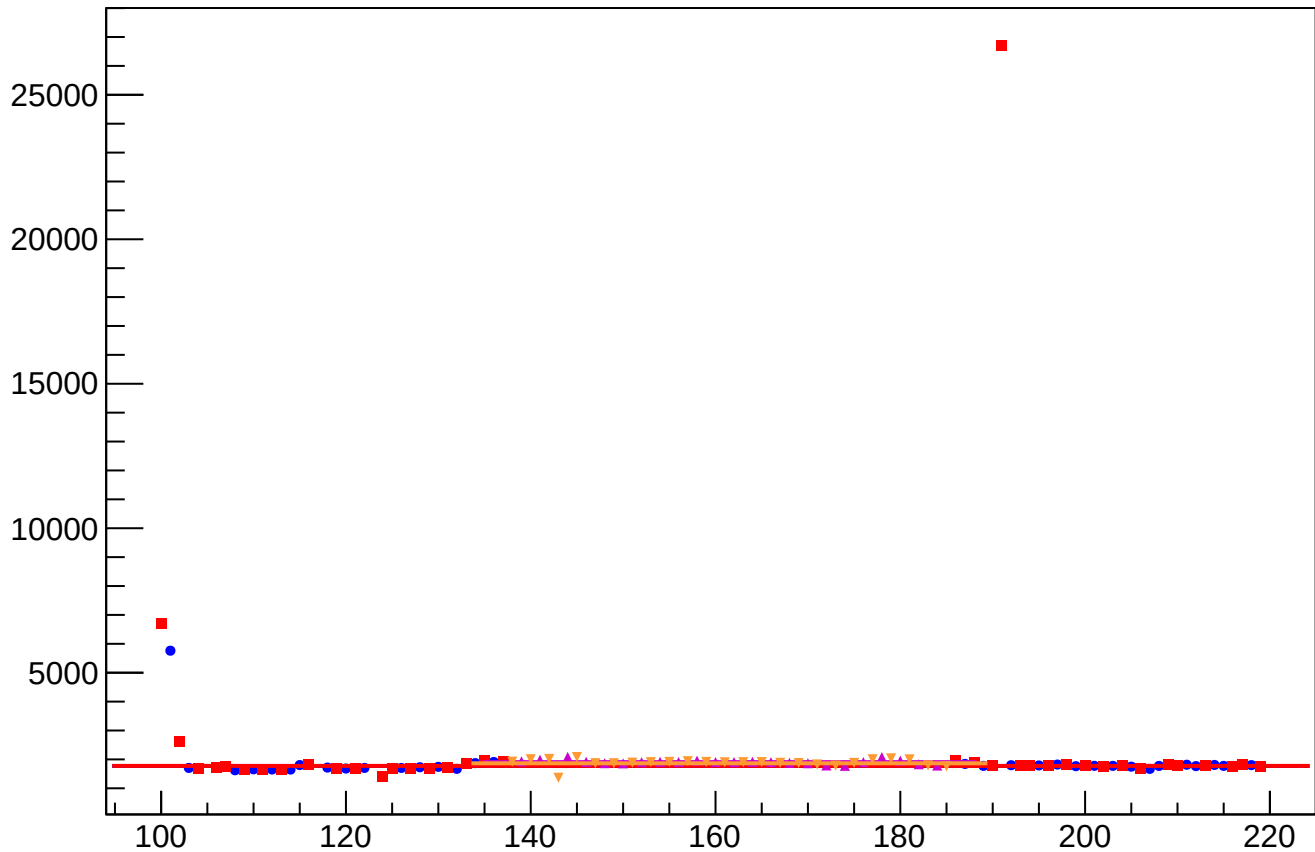
Left In: 264.609 ± 445.354 χ^2/NDF : 27.7/22

+ sign 478.500 ± 290.518 χ^2/NDF : 72.2/56

All: 332.422 ± 206.173 χ^2/NDF : 125.5/116

- sign 184.203 ± 292.640 χ^2/NDF : 52.9/59

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1772.021+/-0.281 χ^2 /NDF: 679414.9/31

Left Out: 1864.842+/-0.301 χ^2 /NDF:294715.4/24

Right Out: 1774.713+/-0.274 χ^2 /NDF: 570775.0/36

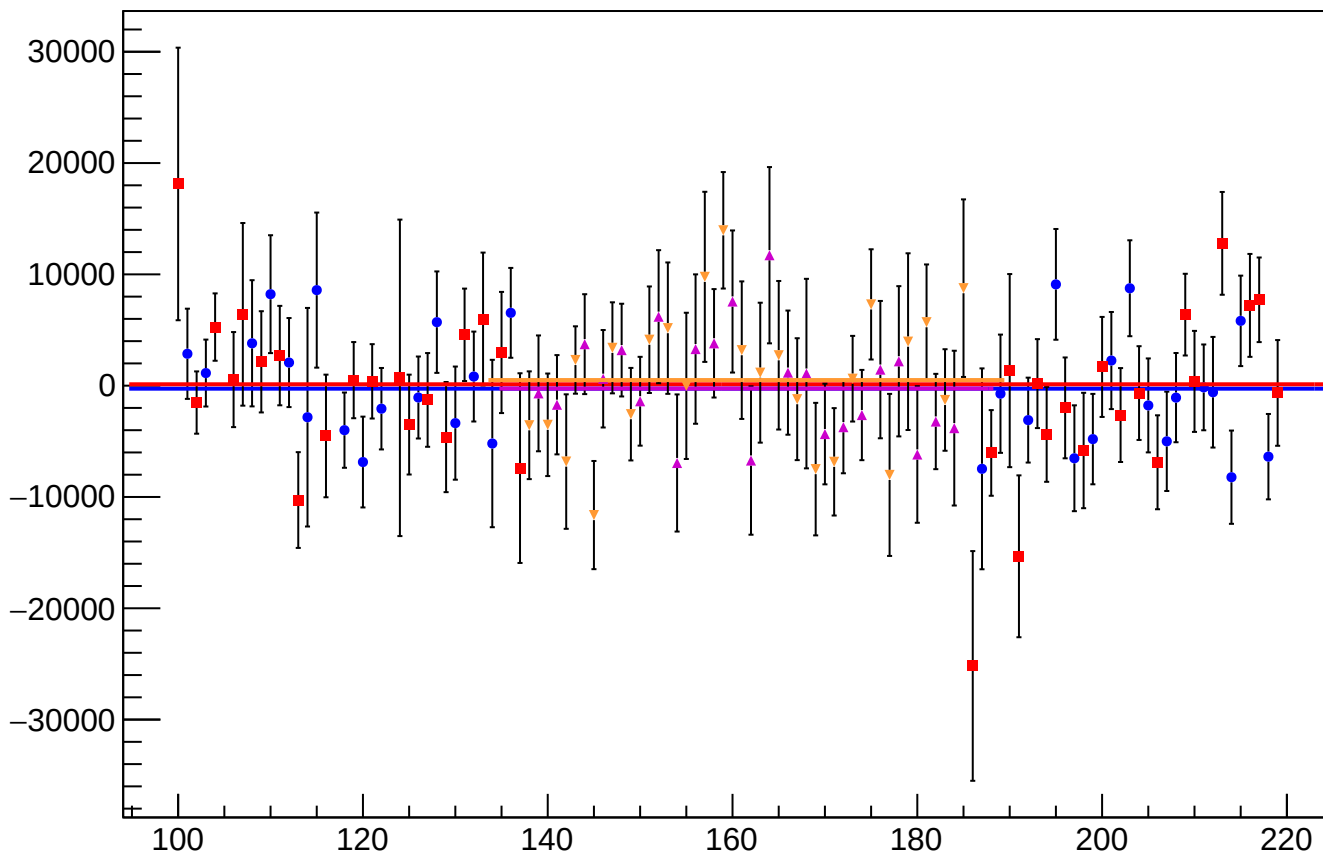
Left In: 1905.629+/-0.315 χ^2 /NDF:52783.9/22

+ sign 1815.328+/-0.205 χ^2 /NDF: 1024942.3/56

All: 1823.198+/-0.146 χ^2 /NDF: 1749744.9/11

- sign 1831.174+/-0.207 χ^2 /NDF: 721847.5/59

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: -270.116 ± 770.382 χ^2/NDF : 37.6/31

Left Out: 504.265 ± 1021.686 χ^2/NDF : 30.1/24

Right Out: 124.281 ± 741.208 χ^2/NDF : 53.8/36

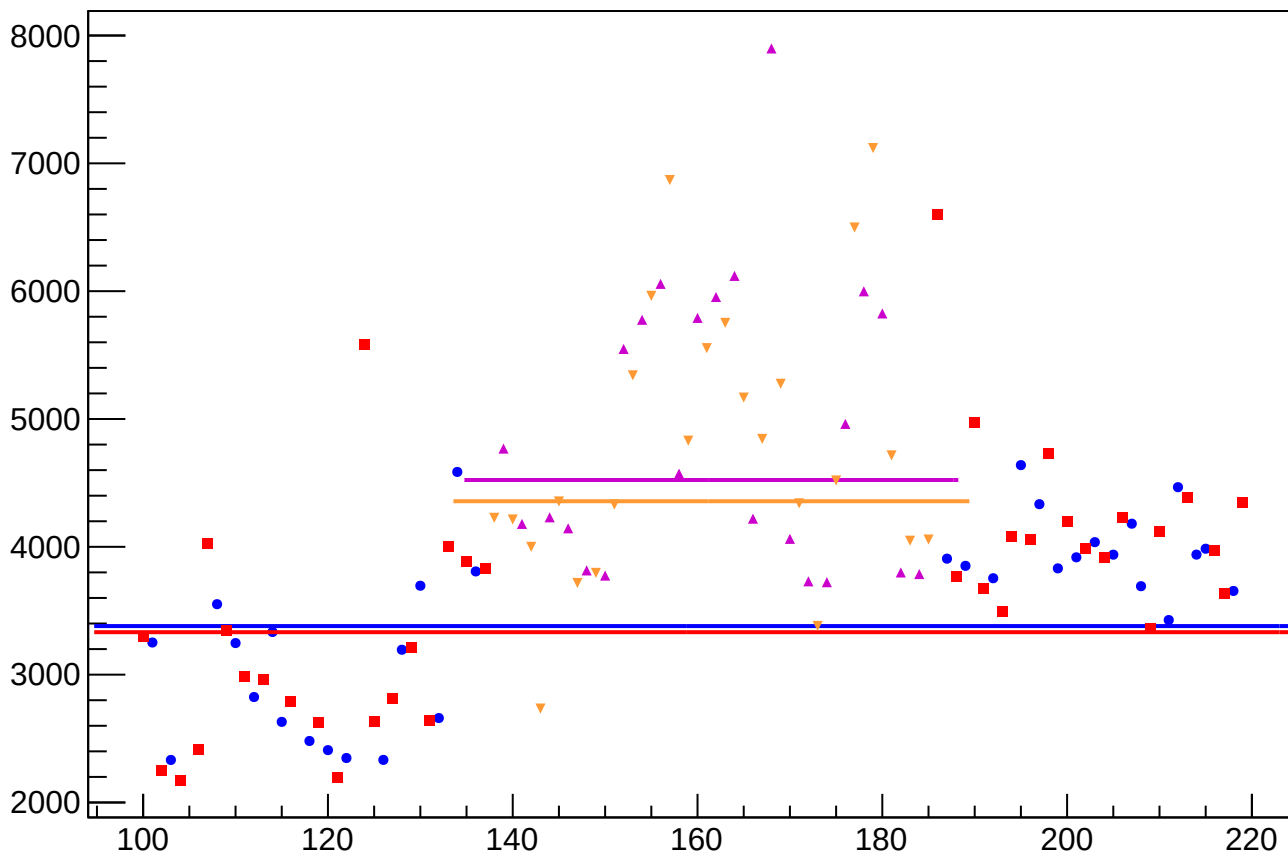
Left In: -261.051 ± 1081.404 χ^2/NDF : 13.6/22

+ sign 10.576 ± 615.114 χ^2/NDF : 68.0/56

All: 5.818 ± 433.626 χ^2/NDF : 135.6/116

- sign 1.117 ± 611.382 χ^2/NDF : 67.5/59

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3380.059 $\pm$ 0.545 χ^2 /NDF: 1682645.6/31

Left Out: 4356.650 $\pm$ 0.722 χ^2 /NDF:1912327.4/24

Right Out: 3332.223 $\pm$ 0.524 χ^2 /NDF: 2424650.1/36

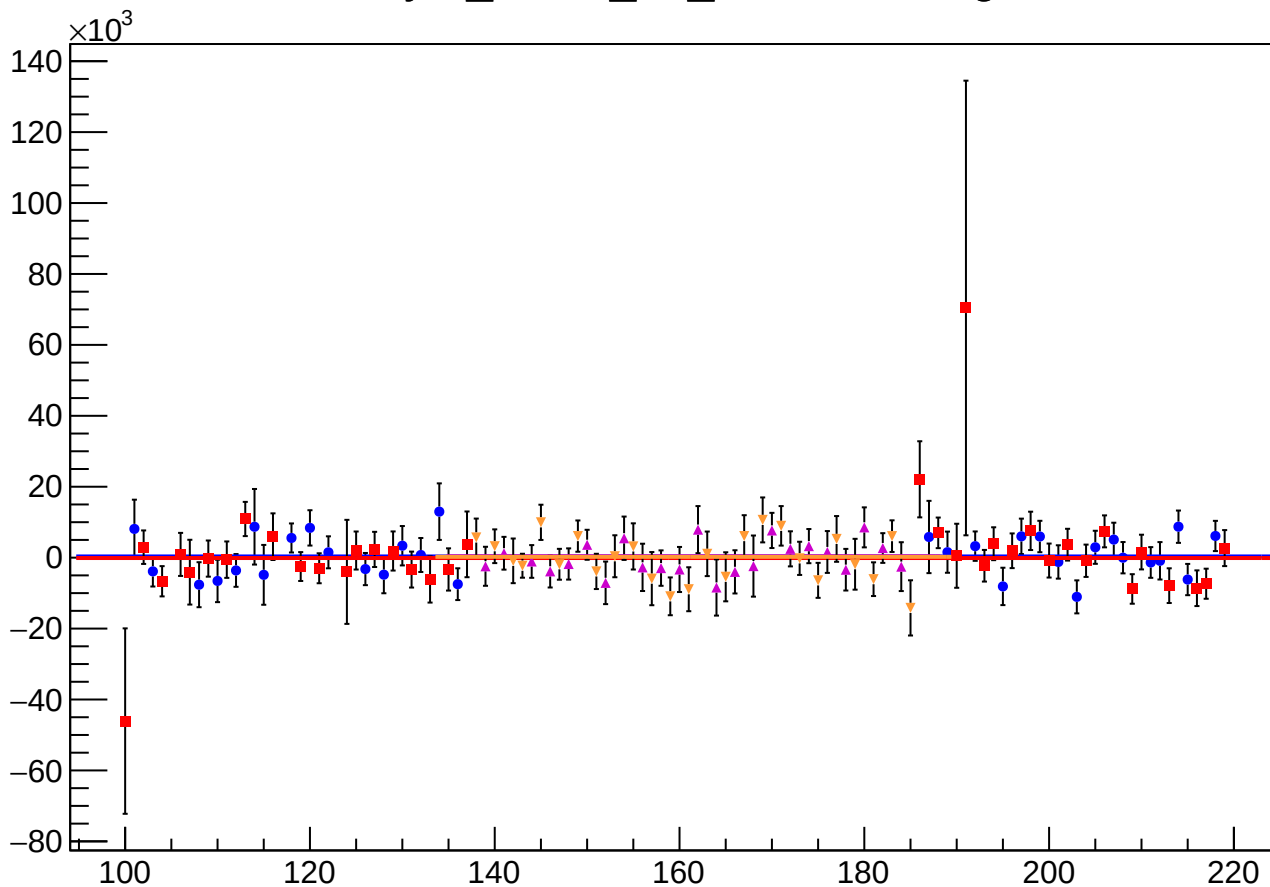
Left In: 4522.795 $\pm$ 0.765 χ^2 /NDF:1434009.9/22

+ sign 3734.048 $\pm$ 0.435 χ^2 /NDF: 4759954.1/56

All: 3723.343 $\pm$ 0.307 χ^2 /NDF: 10269157.0/100

- sign 3712.767 $\pm$ 0.432 χ^2 /NDF: 5507998.7/59

asym_atr1l2_dd_mean vs Slug



Right In: 339.300 $\pm$ 887.795 χ^2 /NDF: 39.5/31

Left Out: 239.929 $\pm$ 1064.647 χ^2 /NDF:32.2/24

Right Out: -103.468 $\pm$ 867.791 χ^2 /NDF: 43.3/36

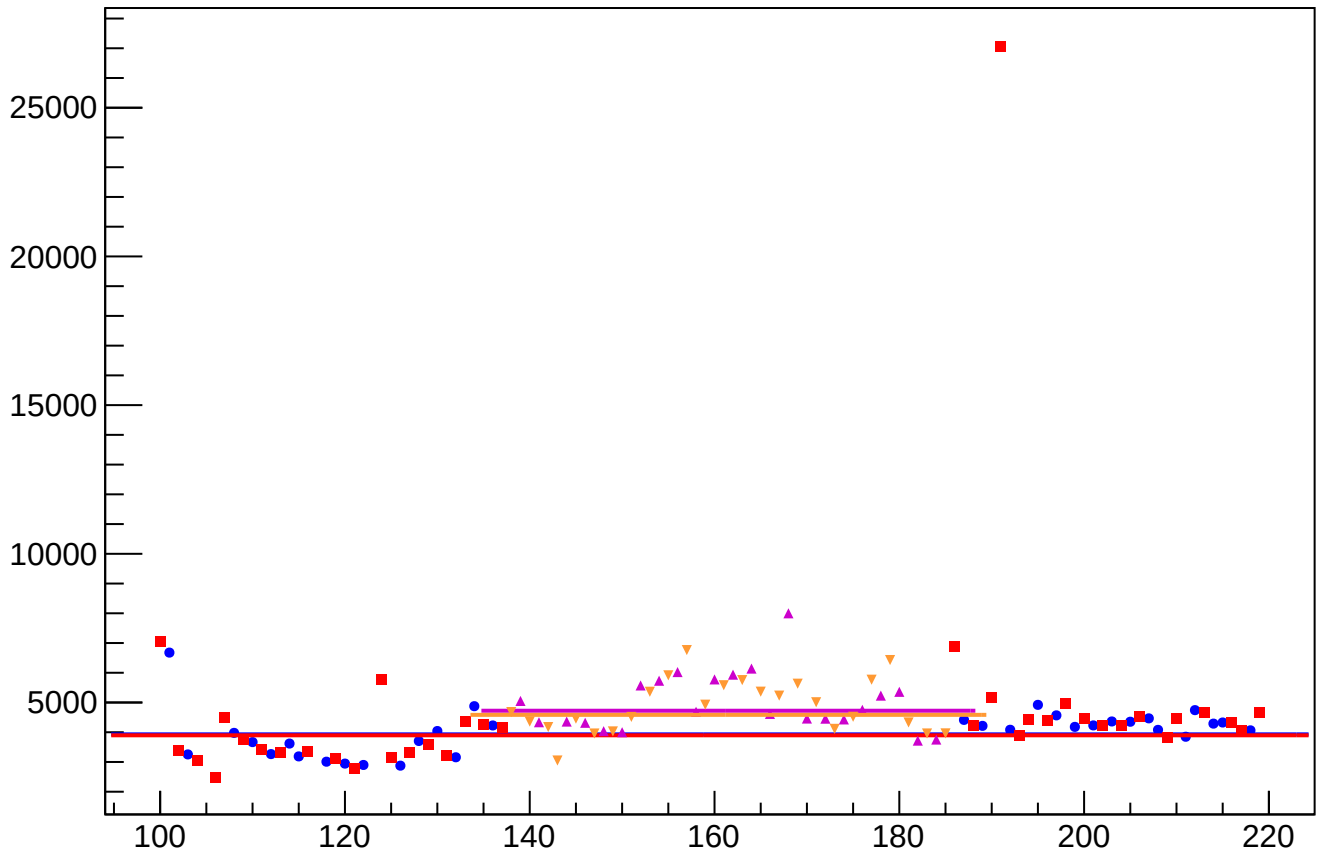
Left In: 397.881 $\pm$ 1121.323 χ^2 /NDF:14.2/22

+ sign 298.542 $\pm$ 681.837 χ^2 /NDF: 71.7/56

All: 192.130 $\pm$ 483.695 χ^2 /NDF: 129.5/116

- sign 84.327 $\pm$ 686.281 χ^2 /NDF: 57.7/59

asym_atr1l2_dd_rms vs Slug



Right In: 3928.615 ± 0.628 $\chi^2/\text{NDF}: 1089551.1/31$

Left Out: 4584.664 ± 0.753 $\chi^2/\text{NDF}: 1311720.7/24$

Right Out: 3896.966 ± 0.610 $\chi^2/\text{NDF}: 1571636.1/36$

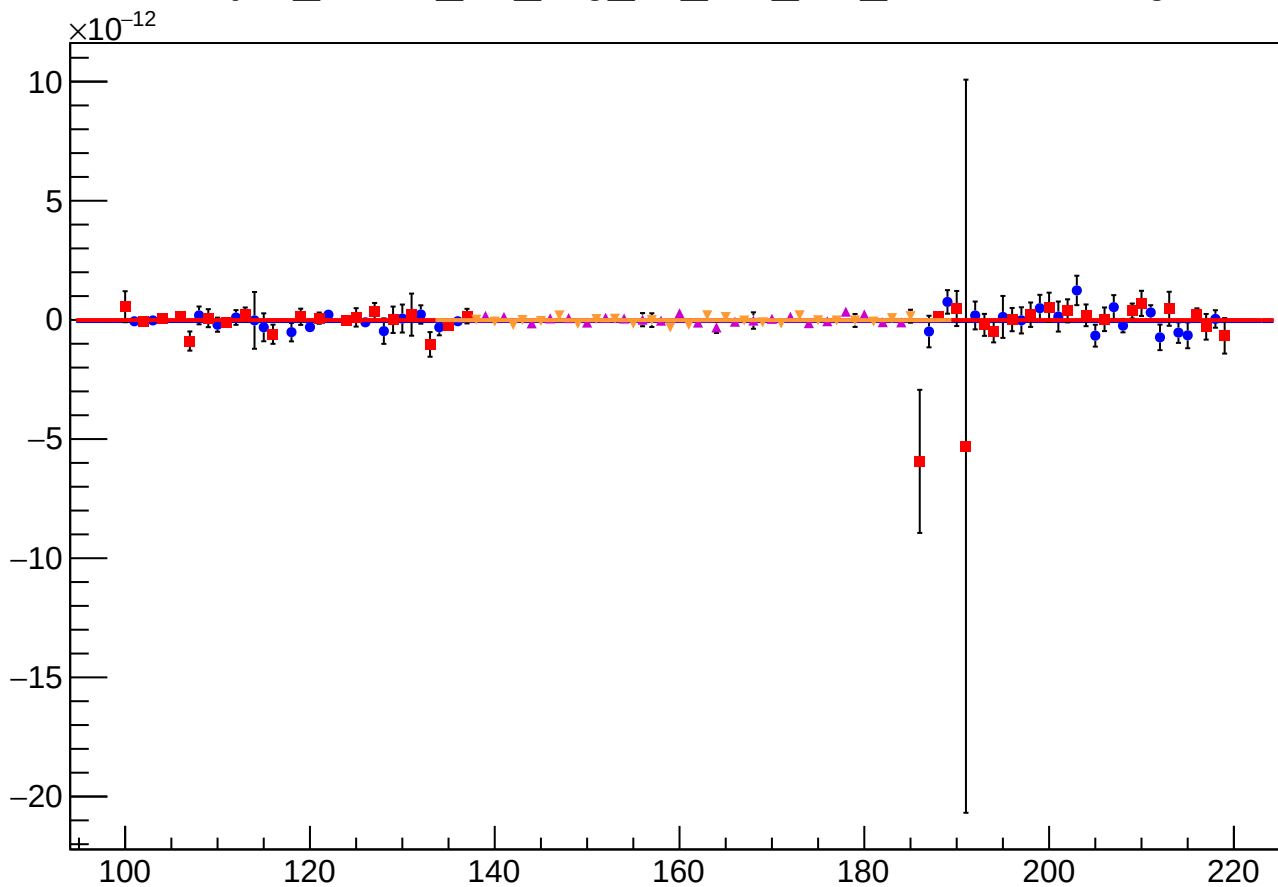
Left In: 4723.014 ± 0.793 $\chi^2/\text{NDF}: 1016613.0/22$

+ sign 4197.698 ± 0.482 $\chi^2/\text{NDF}: 2849220.4/56$

All: 4200.770 ± 0.341 $\chi^2/\text{NDF}: 6119690.6/11$

- sign 4203.856 ± 0.483 $\chi^2/\text{NDF}: 3270388.8/59$

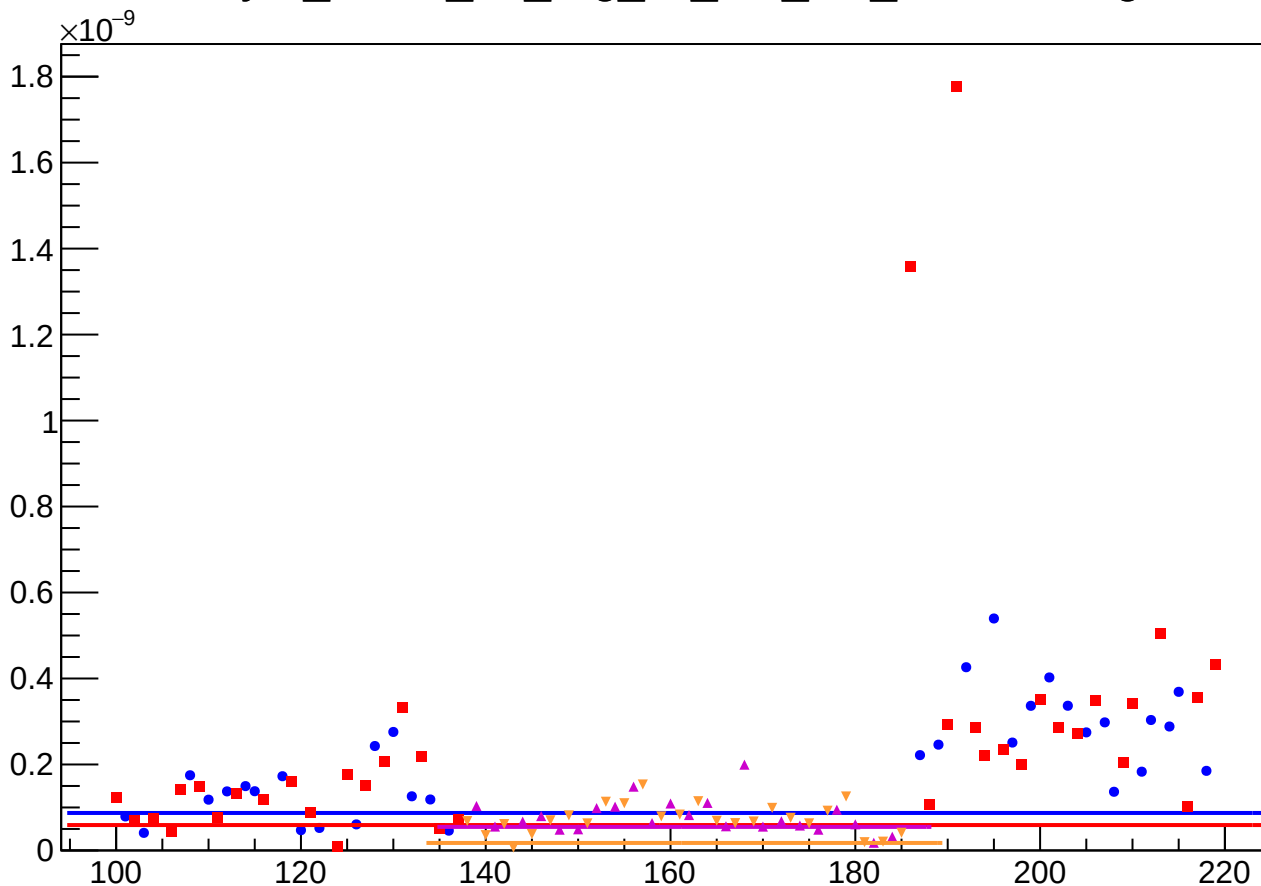
asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 26.4/31
 Left Out: -0.000 ± 0.000 χ^2/NDF : 22.8/24
 Right Out: -0.000 ± 0.000 χ^2/NDF : 32.3/36
 Left In: -0.000 ± 0.000 χ^2/NDF : 26.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 49.9/56
 All: -0.000 ± 0.000 χ^2/NDF : 108.3/116
 - sign -0.000 ± 0.000 χ^2/NDF : 58.4/59

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 7291086.0/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 8870606.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 10536055.8/36

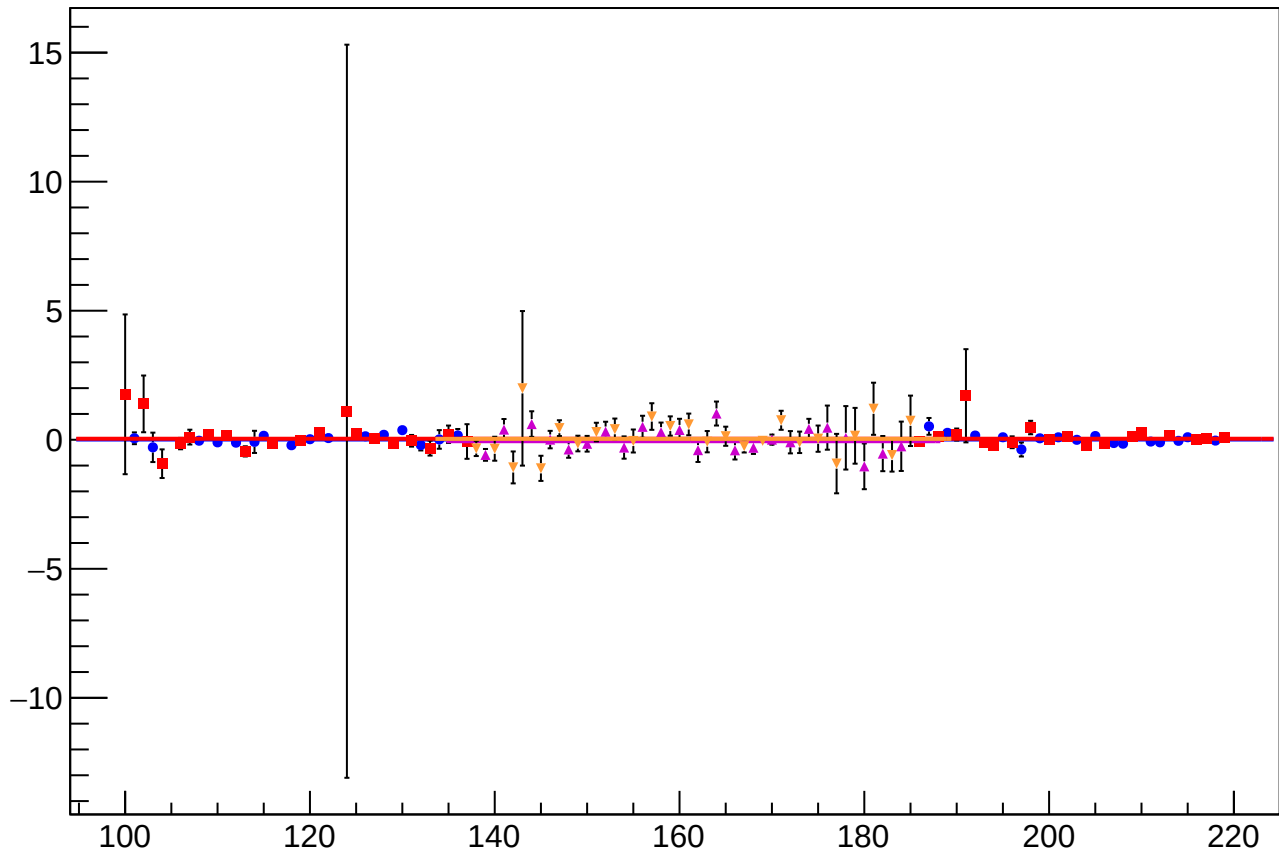
Left In: 0.000 ± 0.000 χ^2/NDF : 2798764.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 21411041.8/56

All: 0.000 ± 0.000 χ^2/NDF : 39372394.9/116

- sign 0.000 ± 0.000 χ^2/NDF : 13356439.0/59

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 ± 0.028 χ^2/NDF : 26.1/31

Left Out: 0.034 ± 0.078 χ^2/NDF : 30.5/24

Right Out: 0.039 ± 0.027 χ^2/NDF : 41.8/36

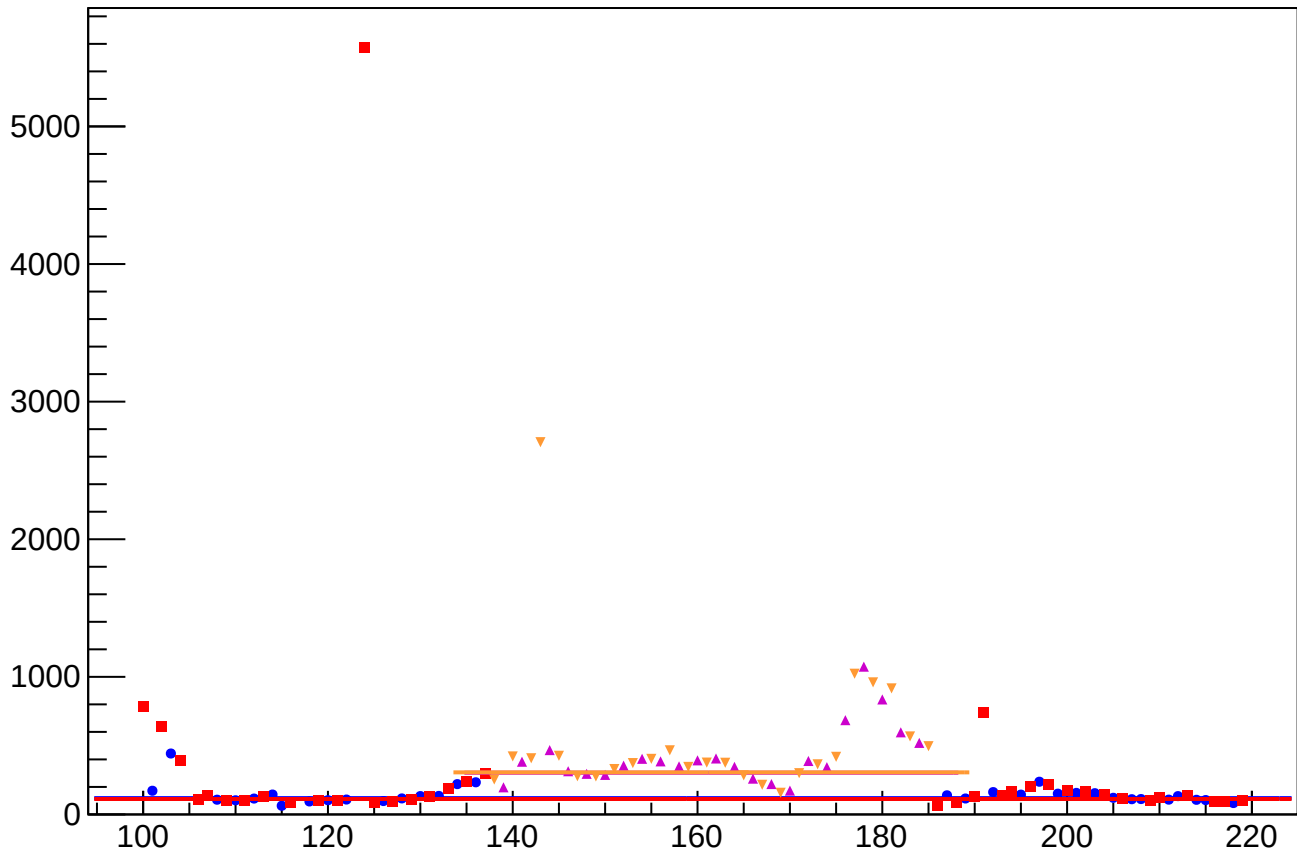
Left In: -0.056 ± 0.077 χ^2/NDF : 26.1/22

+ sign 0.012 ± 0.027 χ^2/NDF : 56.7/56

All: 0.021 ± 0.018 χ^2/NDF : 126.1/116

- sign 0.029 ± 0.025 χ^2/NDF : 69.2/59

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 118.620+/-0.020 χ^2/NDF : 2976057.1/31

Left Out: 305.950+/-0.055 χ^2/NDF : 6634928.0/24

Right Out: 112.415+/-0.019 χ^2/NDF : 4668140.6/36

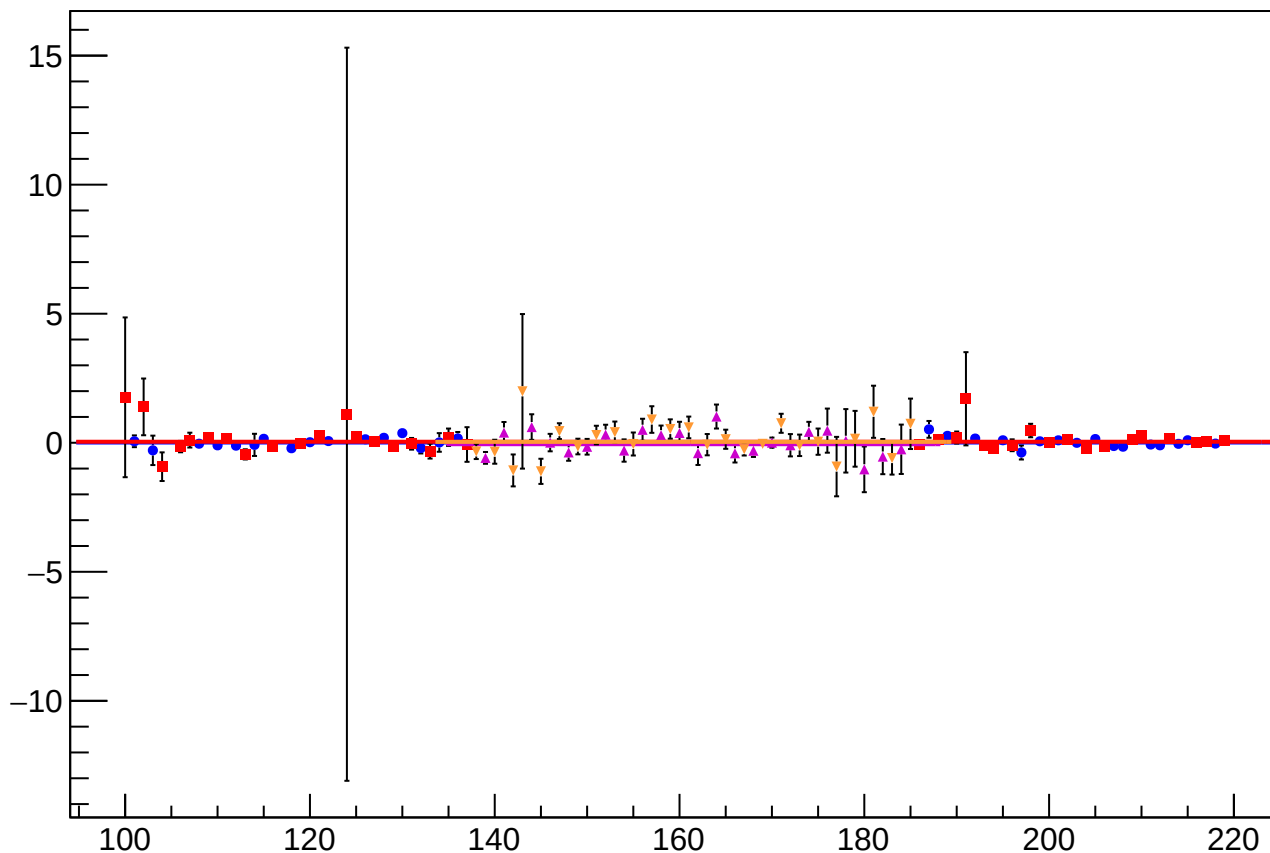
Left In: 303.278+/-0.055 χ^2/NDF : 4813442.3/22

+ sign 140.381+/-0.019 χ^2/NDF : 19823418.2/56

All: 136.471+/-0.013 χ^2/NDF : 40269621.3/11

- sign 132.914+/-0.018 χ^2/NDF : 20363445.5/59

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 ± 0.028 χ^2/NDF : 26.1/31

Left Out: 0.034 ± 0.078 χ^2/NDF : 30.5/24

Right Out: 0.039 ± 0.027 χ^2/NDF : 41.8/36

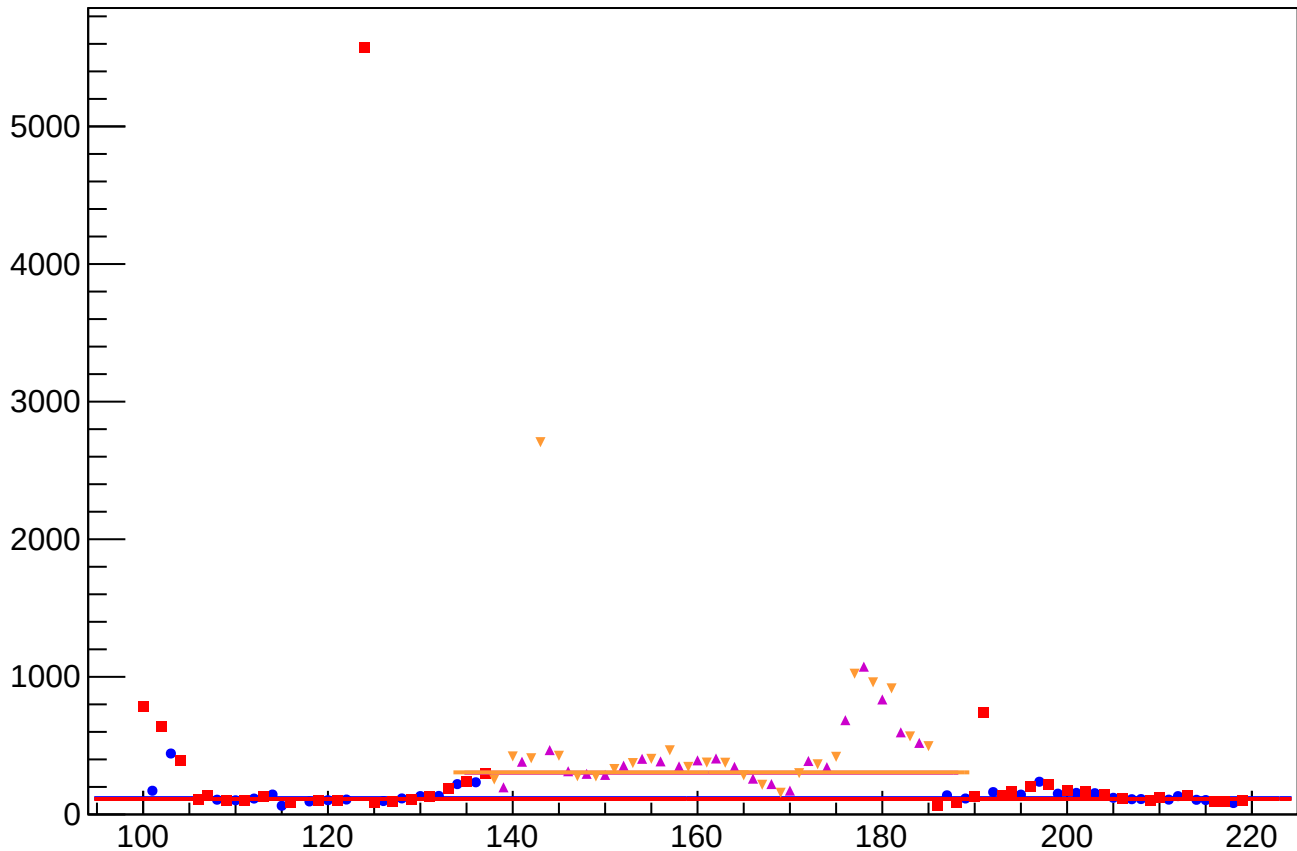
Left In: -0.056 ± 0.077 χ^2/NDF : 26.1/22

+ sign 0.012 ± 0.027 χ^2/NDF : 56.7/56

All: 0.021 ± 0.018 χ^2/NDF : 126.1/116

- sign 0.029 ± 0.025 χ^2/NDF : 69.2/59

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 118.620 $\pm$ 0.020 χ^2 /NDF: 2976057.1/31

Left Out: 305.950 $\pm$ 0.055 χ^2 /NDF: 6634928.0/24

Right Out: 112.415 $\pm$ 0.019 χ^2 /NDF: 4668140.6/36

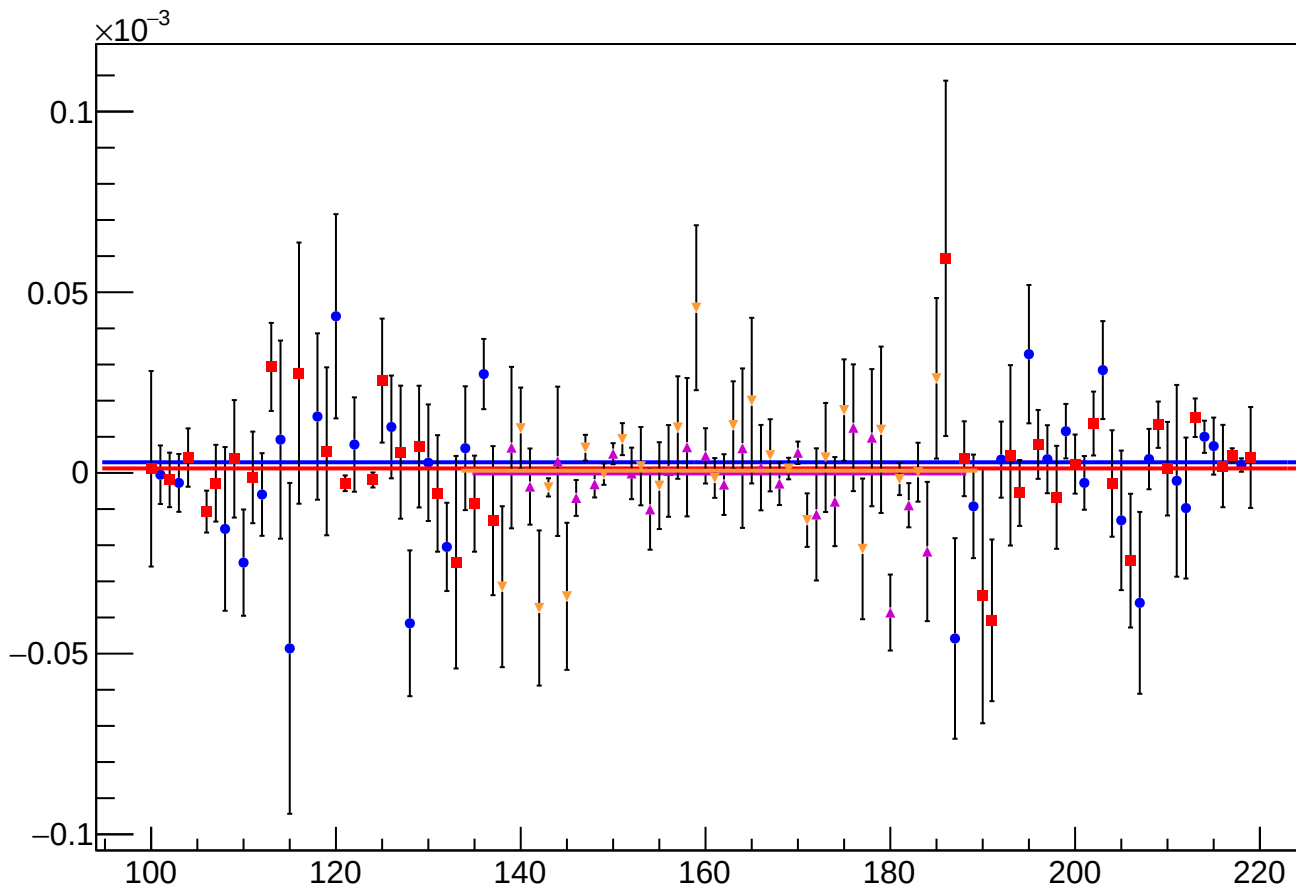
Left In: 303.278 $\pm$ 0.055 χ^2 /NDF: 4813442.3/22

+ sign 140.381 $\pm$ 0.019 χ^2 /NDF: 19823418.2/56

All: 136.471 $\pm$ 0.013 χ^2 /NDF: 40269621.3/11

- sign 132.914 $\pm$ 0.018 χ^2 /NDF: 20363445.5/59

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.0/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 46.6/36

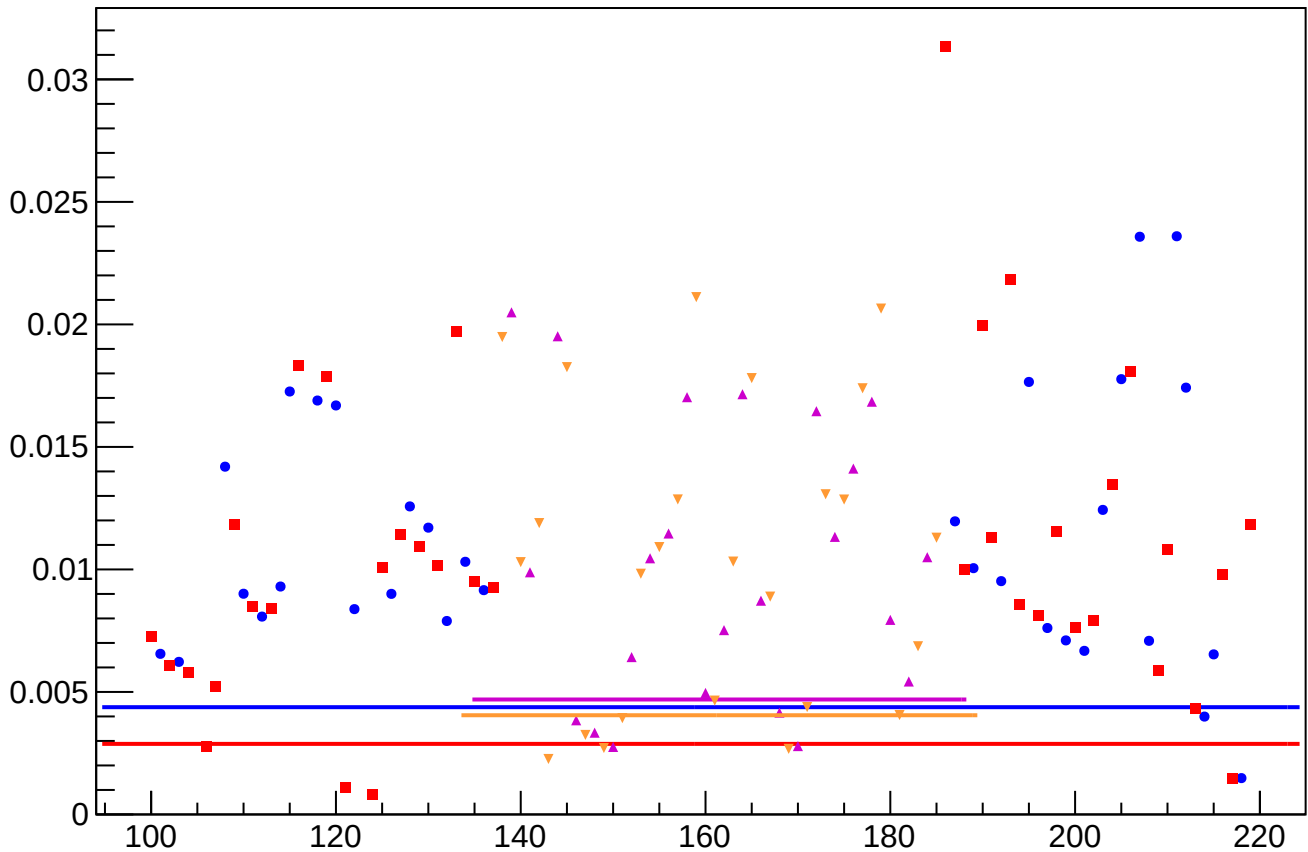
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:29.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 79.2/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 156.8/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 77.0/59

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 16882340.7/31

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:13552895.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 23031709.6/36

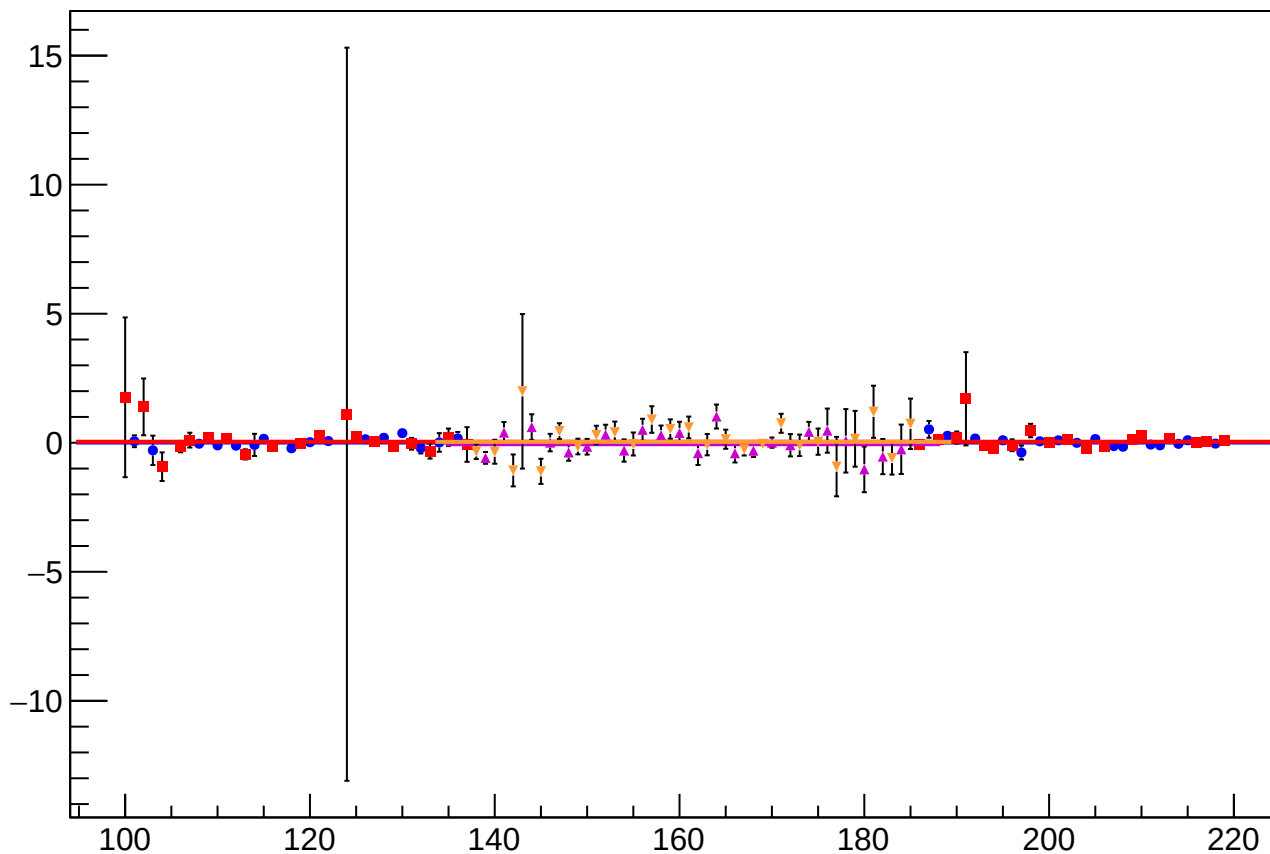
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:10859759.8/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 30501249.1/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 67273322.2/116

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 36106426.4/59

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 ± 0.028 χ^2/NDF : 26.1/31

Left Out: 0.034 ± 0.078 χ^2/NDF : 30.5/24

Right Out: 0.039 ± 0.027 χ^2/NDF : 41.8/36

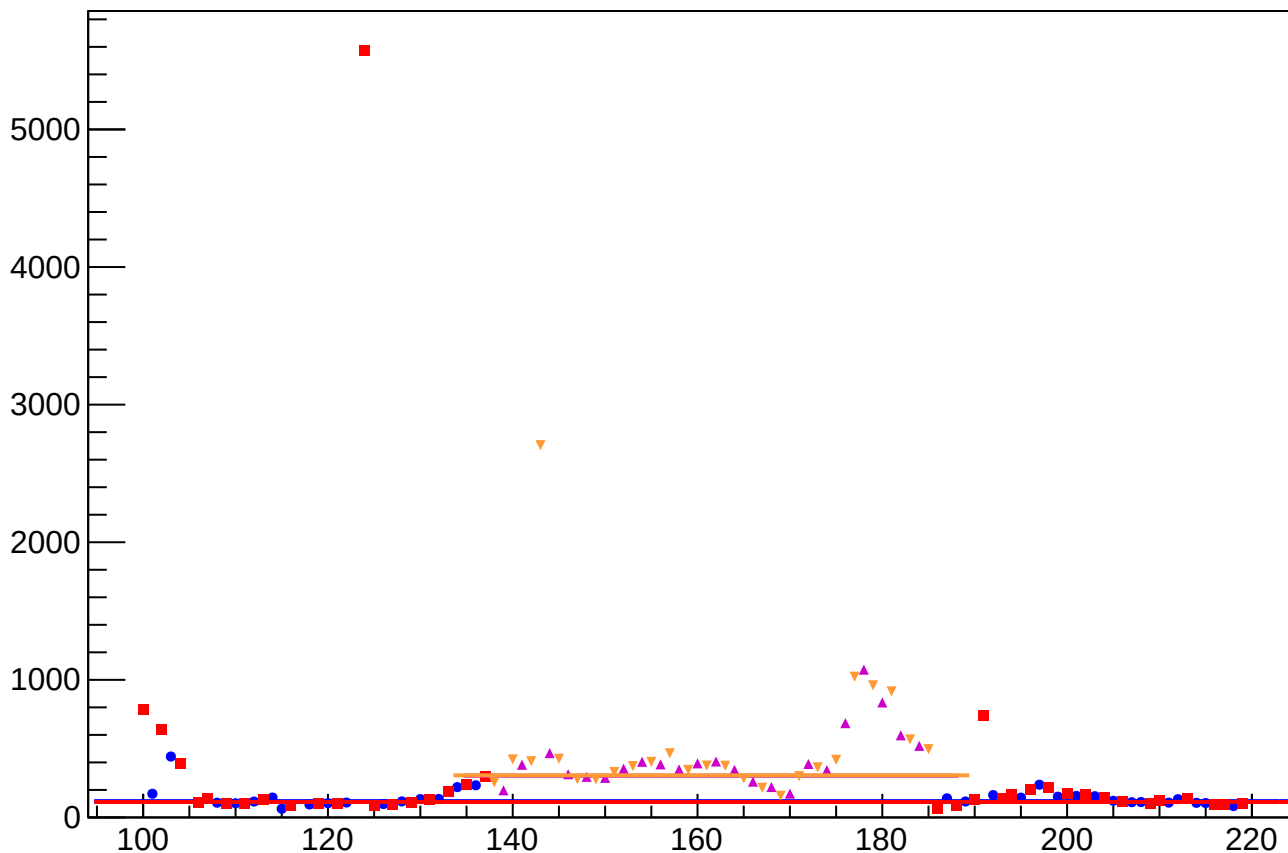
Left In: -0.056 ± 0.077 χ^2/NDF : 26.0/22

+ sign 0.012 ± 0.027 χ^2/NDF : 56.7/56

All: 0.021 ± 0.018 χ^2/NDF : 126.1/116

- sign 0.029 ± 0.025 χ^2/NDF : 69.2/59

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 118.621+/-0.020 χ^2/NDF : 2976057.0/31

Left Out: 305.951+/-0.055 χ^2/NDF : 6634999.6/24

Right Out: 112.417+/-0.019 χ^2/NDF : 4667964.3/36

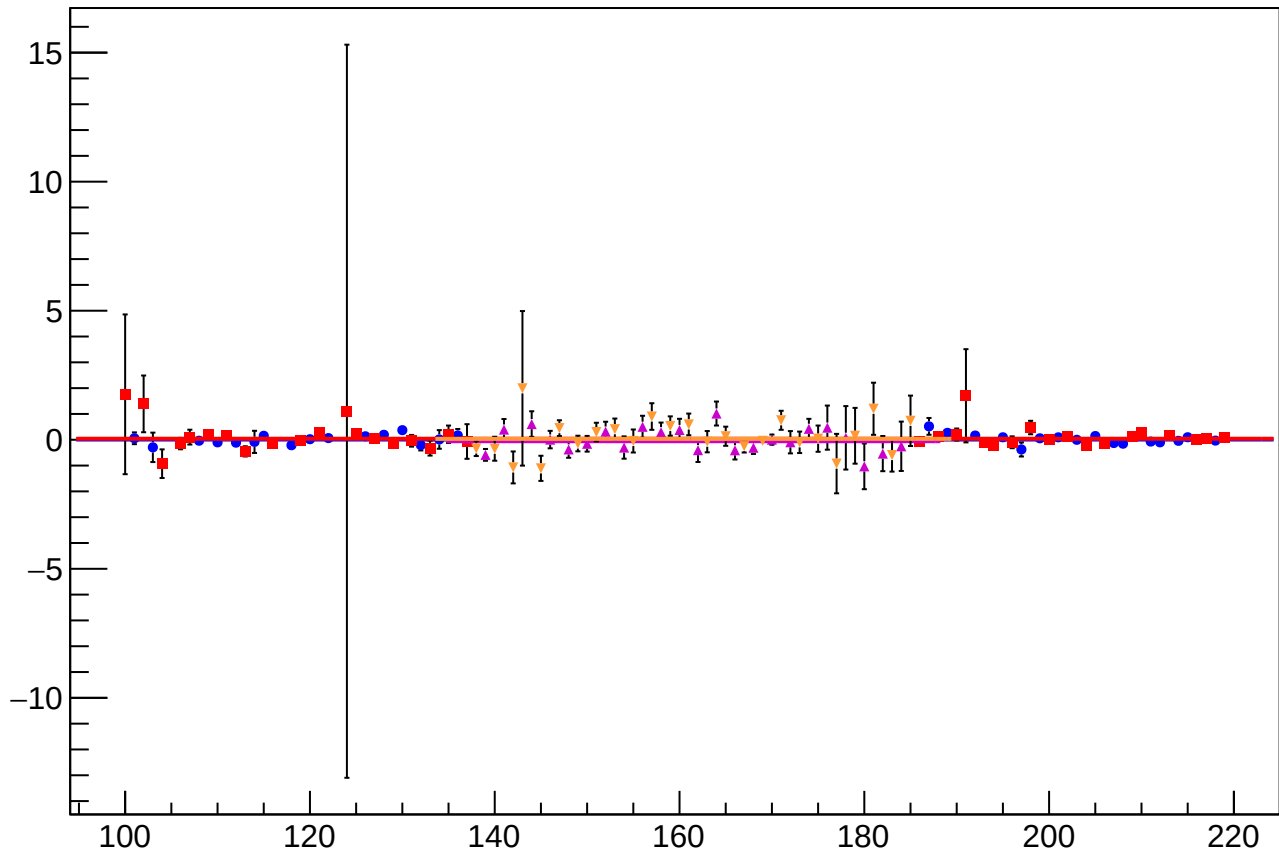
Left In: 303.281+/-0.055 χ^2/NDF : 4813426.5/22

+ sign 140.382+/-0.019 χ^2/NDF : 19823451.4/56

All: 136.472+/-0.013 χ^2/NDF : 40269410.5/1

- sign 132.916+/-0.018 χ^2/NDF : 20363216.8/59

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 ± 0.028 χ^2/NDF : 26.1/31

Left Out: 0.034 ± 0.078 χ^2/NDF : 30.5/24

Right Out: 0.039 ± 0.027 χ^2/NDF : 41.8/36

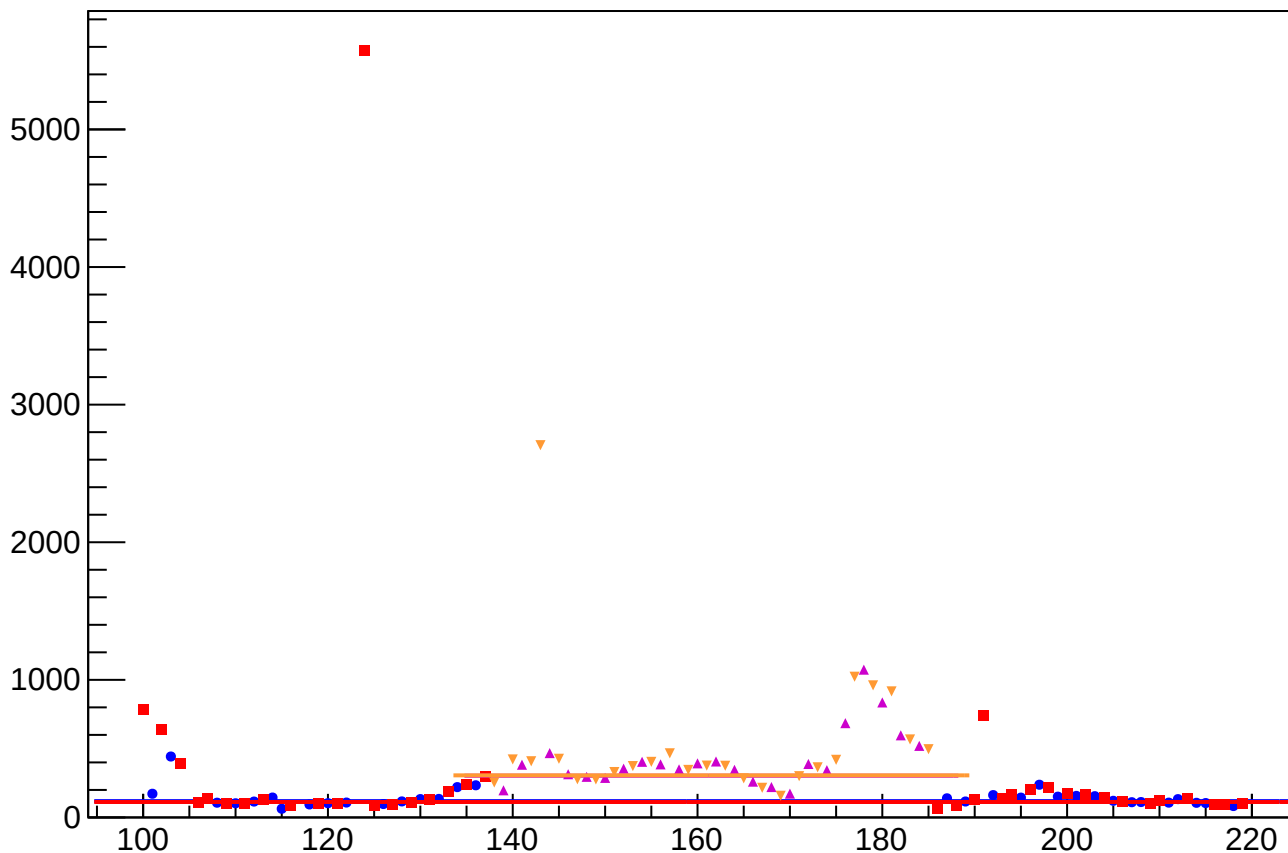
Left In: -0.056 ± 0.077 χ^2/NDF : 26.0/22

+ sign 0.012 ± 0.027 χ^2/NDF : 56.7/56

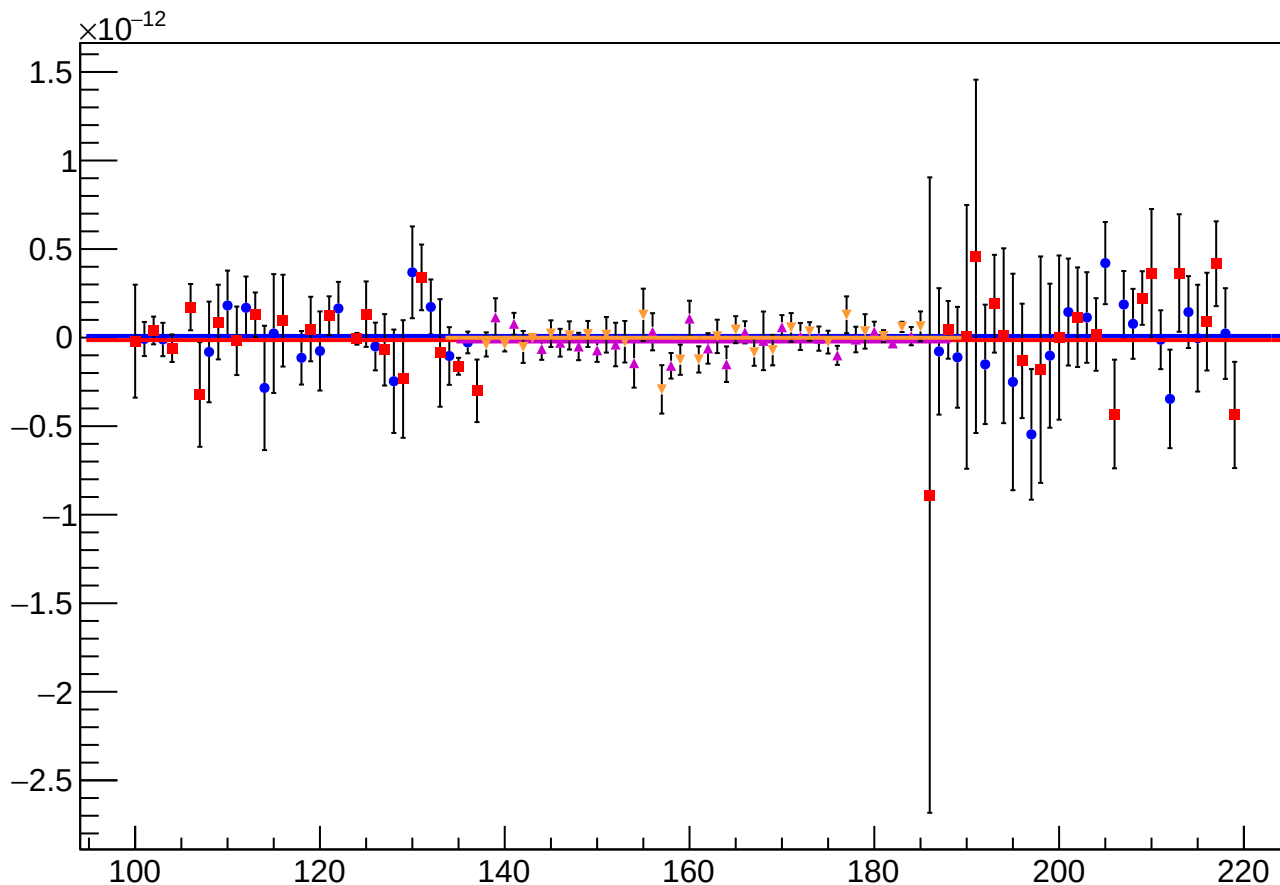
All: 0.021 ± 0.018 χ^2/NDF : 126.1/116

- sign 0.029 ± 0.025 χ^2/NDF : 69.2/59

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.0/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 38.1/36

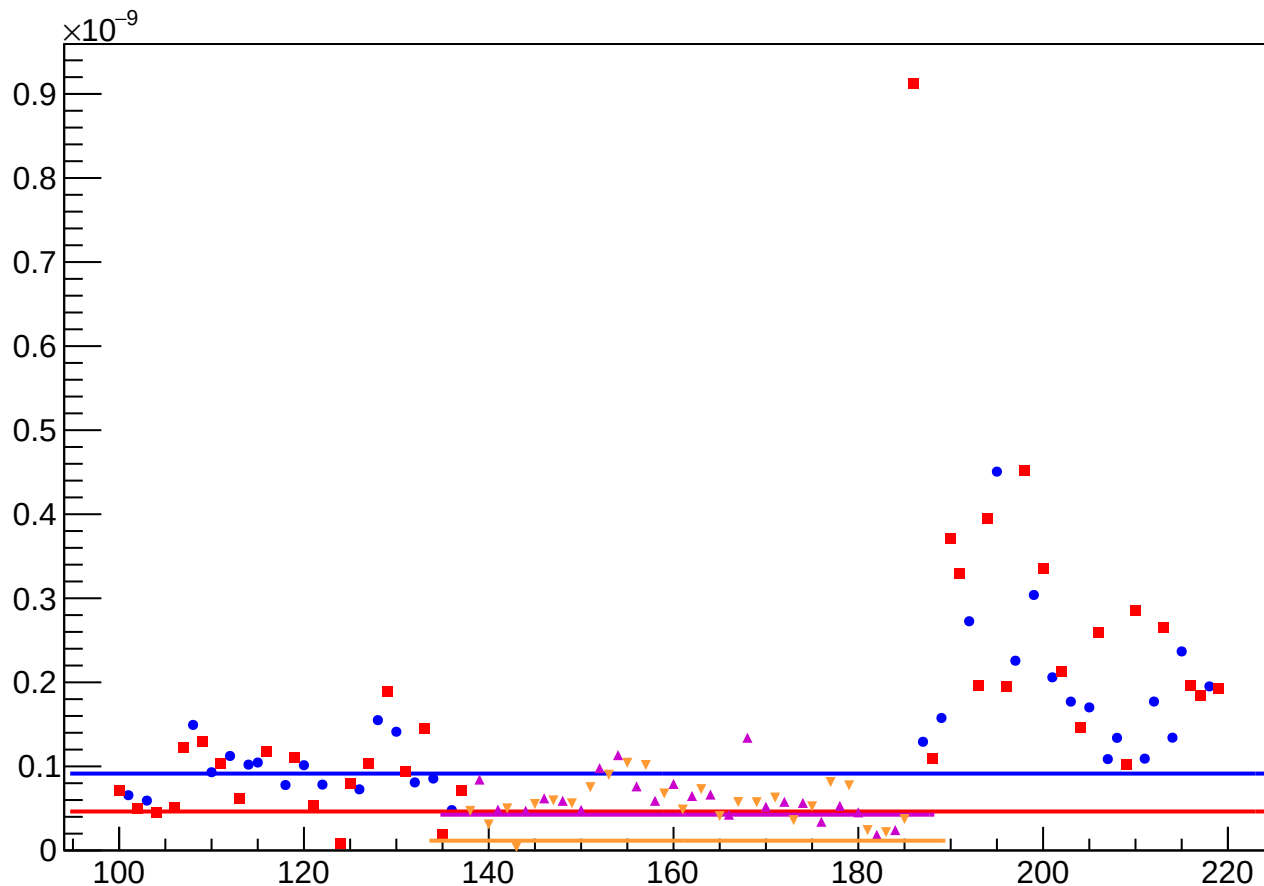
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 40.9/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 101.0/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 57.7/59

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5906096.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16063134.4/36

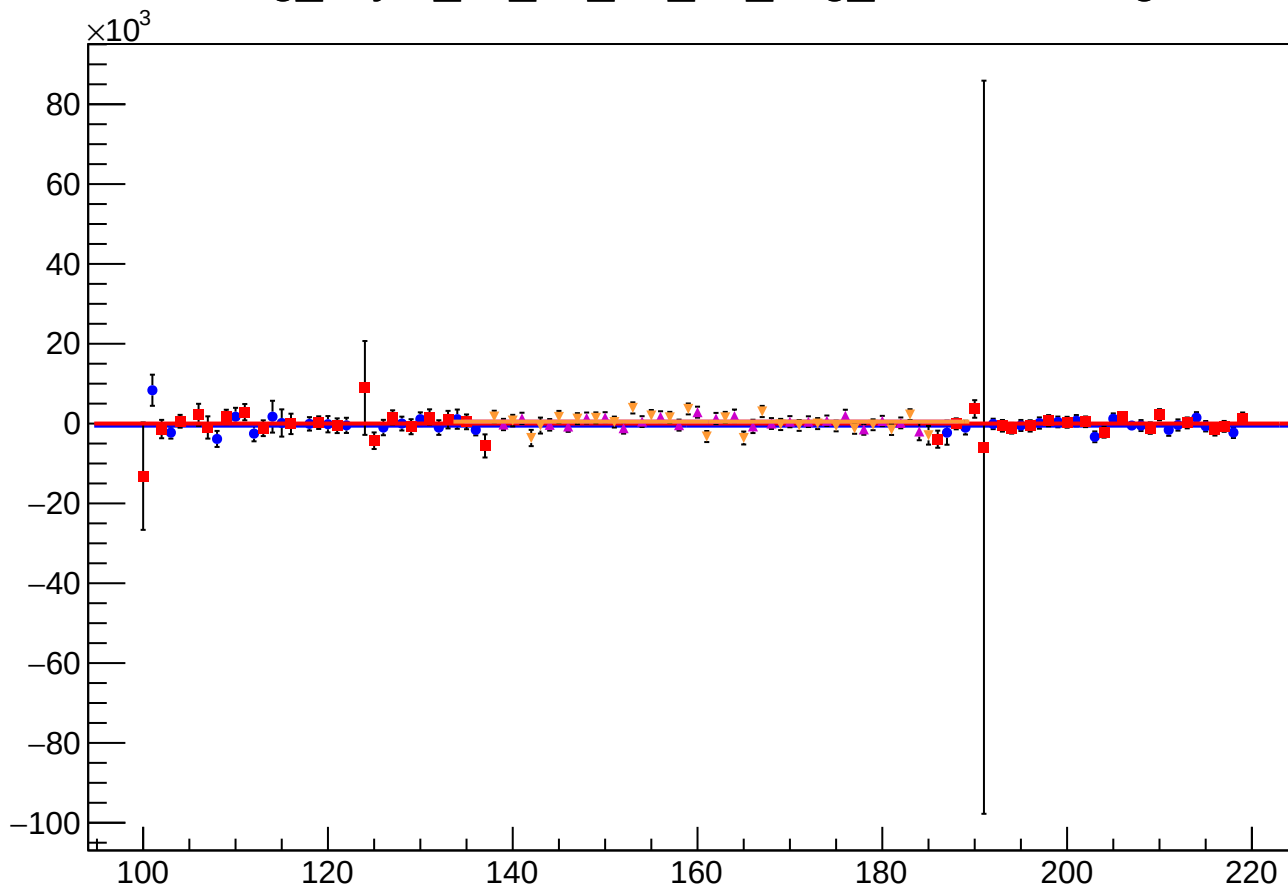
Left In: 0.000+/-0.000 χ^2/NDF : 5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 37107758.7/56

All: 0.000+/-0.000 χ^2/NDF : 69417018.0/116

- sign 0.000+/-0.000 χ^2/NDF : 21530972.9/59

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -518.956 ± 286.661 χ^2/NDF : 26.2/31

Left Out: 492.062 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 10.411 ± 281.970 χ^2/NDF : 33.5/36

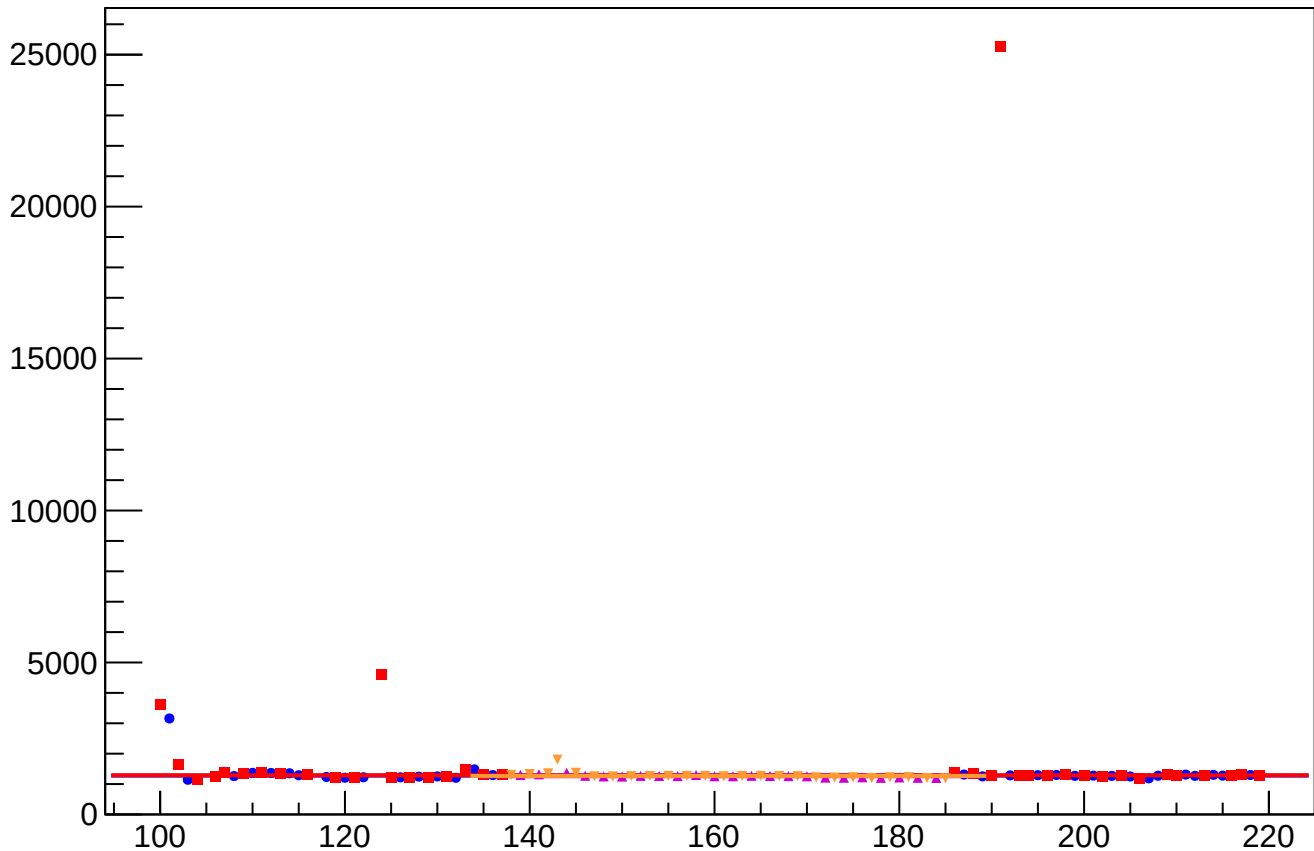
Left In: 486.821 ± 293.769 χ^2/NDF : 14.4/22

+ sign -16.670 ± 203.345 χ^2/NDF : 79.3/56

All: 111.043 ± 143.816 χ^2/NDF : 129.3/116

- sign 238.857 ± 203.426 χ^2/NDF : 49.3/59

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1279.520 $\pm$ 0.203 χ^2 /NDF: 530618.1/31

Left Out: 1266.967 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1288.492 $\pm$ 0.199 χ^2 /NDF: 483574.3/36

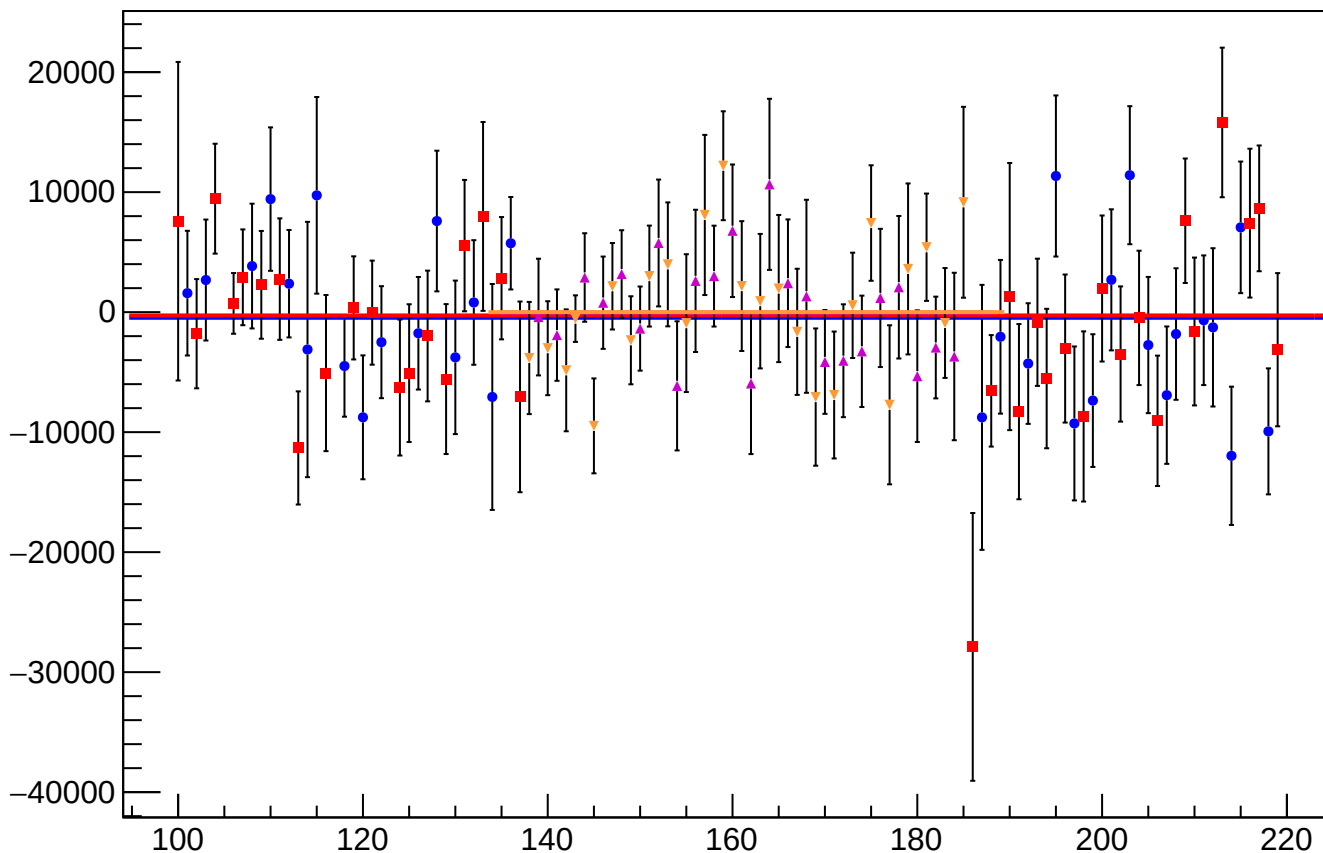
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.4/22

+ sign 1273.284 $\pm$ 0.144 χ^2 /NDF: 720068.9/56

All: 1273.476 $\pm$ 0.102 χ^2 /NDF: 1252019.9/11

- sign 1273.669 $\pm$ 0.144 χ^2 /NDF: 531947.5/59

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug



Right In: -468.160 ± 984.534 $\chi^2/\text{NDF}: 38.0/31$

Left Out: -0.604 ± 886.488 $\chi^2/\text{NDF}: 29.1/24$

Right Out: -274.259 ± 875.989 $\chi^2/\text{NDF}: 46.8/36$

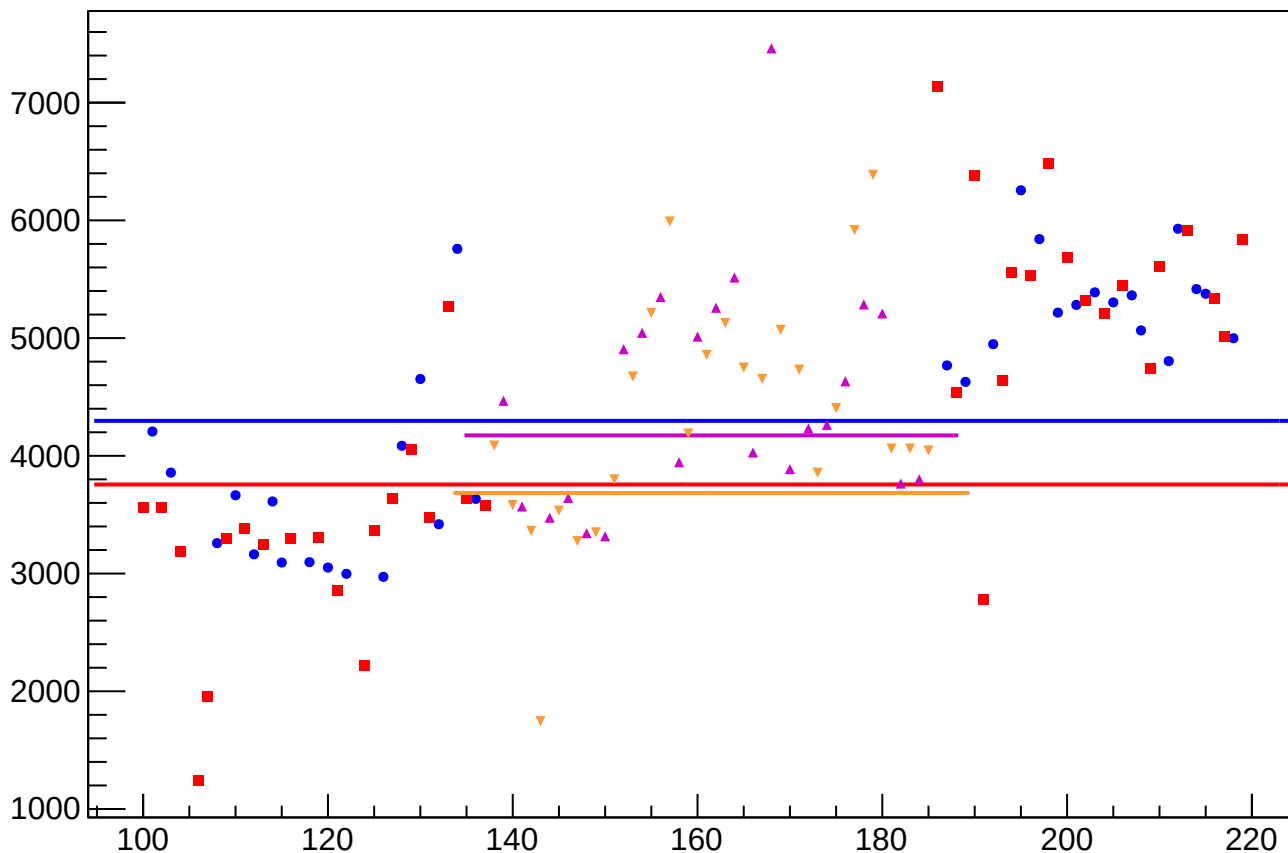
Left In: -31.593 ± 995.348 $\chi^2/\text{NDF}: 14.0/22$

+ sign -209.948 ± 658.786 $\chi^2/\text{NDF}: 67.2/56$

All: -189.107 ± 465.408 $\chi^2/\text{NDF}: 128.1/116$

- sign -168.341 ± 657.590 $\chi^2/\text{NDF}: 60.9/59$

asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug



Right In: 4297.027+/-0.696 χ^2/NDF : 2076361.0/31

Left Out: 3684.769+/-0.627 χ^2/NDF : 3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF : 5567877.2/36

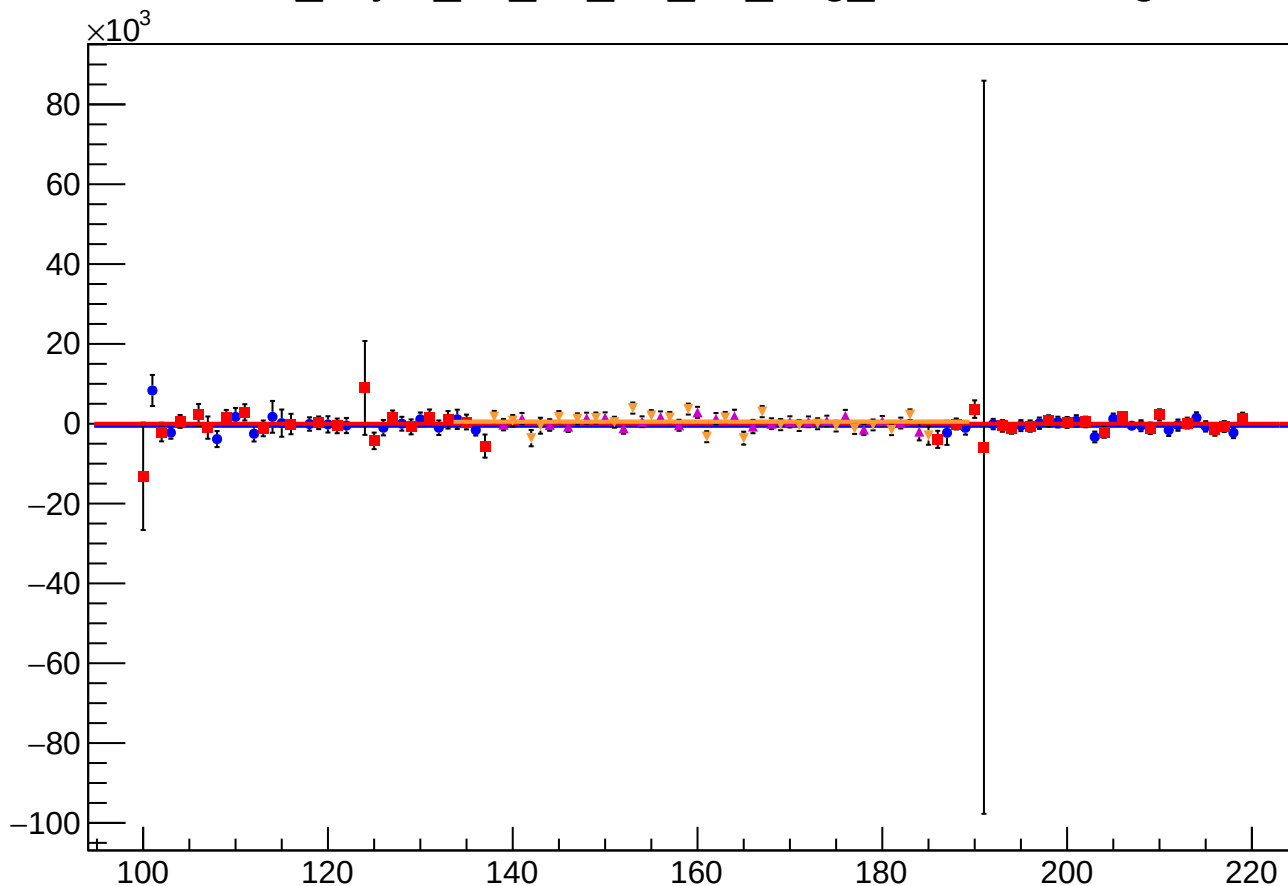
Left In: 4173.556+/-0.704 χ^2/NDF : 1274968.4/22

+ sign 3958.902+/-0.466 χ^2/NDF : 6197158.3/56

All: 3948.682+/-0.329 χ^2/NDF : 13238895.4/100

- sign 3938.499+/-0.465 χ^2/NDF : 7040776.2/59

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -519.082 ± 286.661 χ^2/NDF : 26.2/31

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 0.721 ± 282.033 χ^2/NDF : 33.9/36

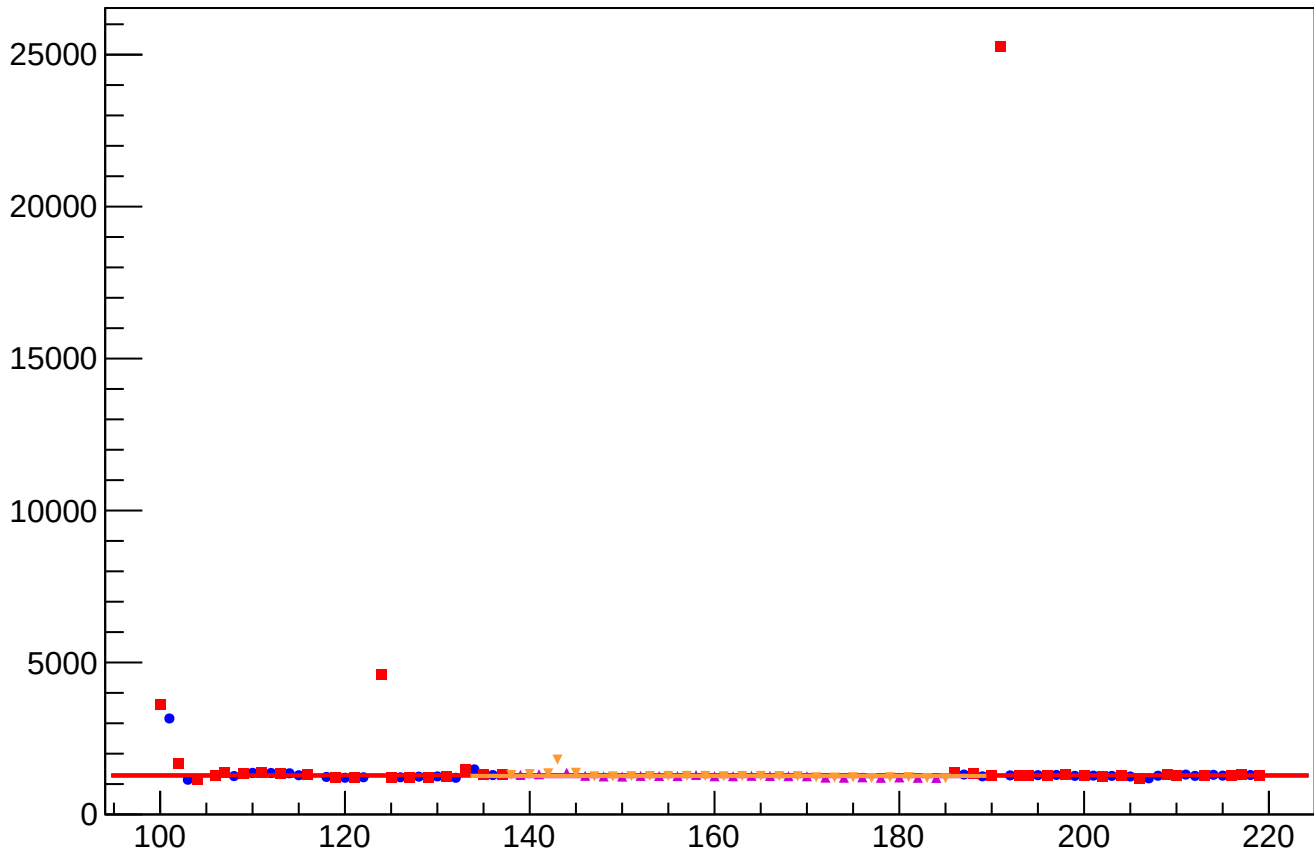
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign -16.725 ± 203.345 χ^2/NDF : 79.2/56

All: 108.483 ± 143.824 χ^2/NDF : 129.8/116

- sign 233.819 ± 203.450 χ^2/NDF : 49.8/59

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1279.520 $\pm$ 0.203 χ^2 /NDF: 530619.5/31

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.161 $\pm$ 0.199 χ^2 /NDF: 490475.5/36

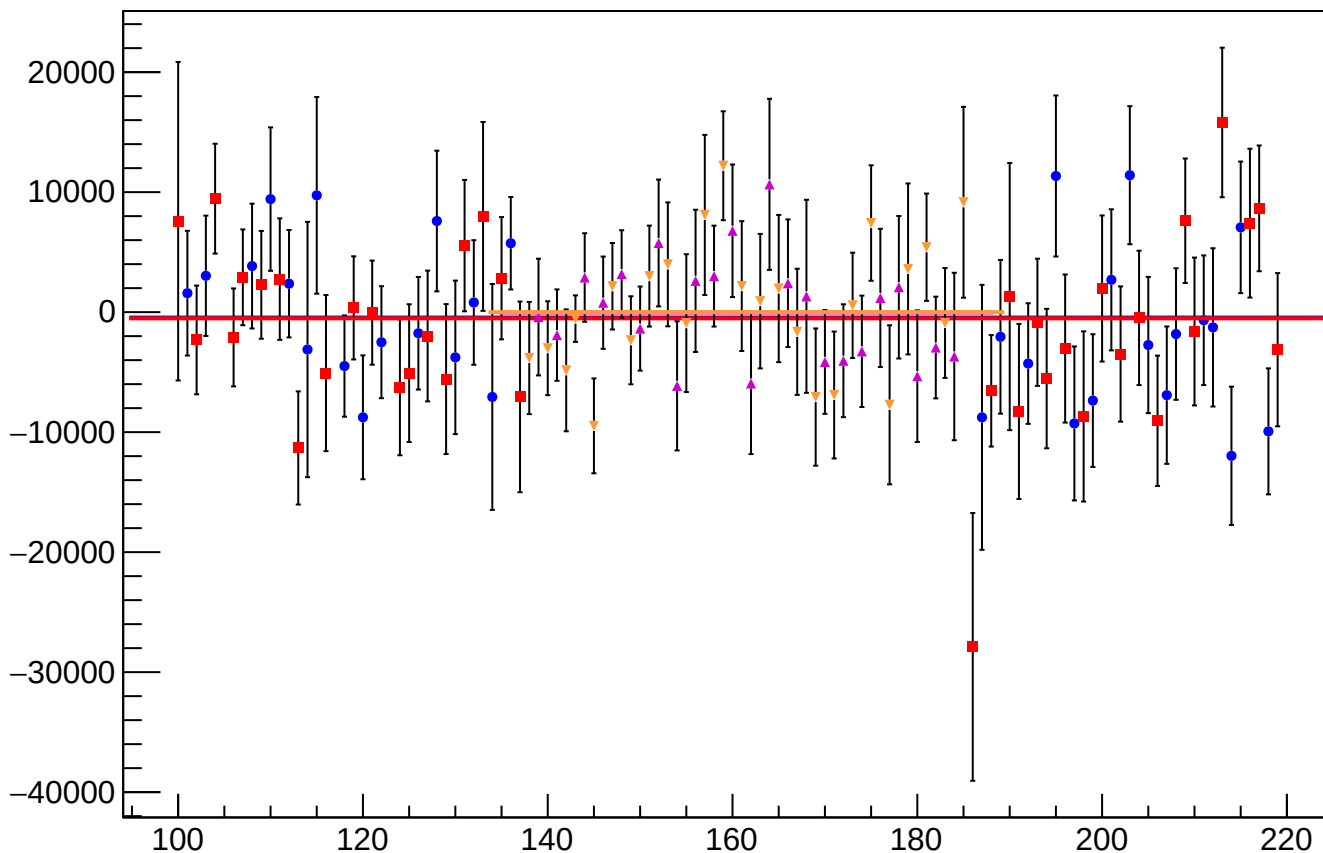
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1273.284 $\pm$ 0.144 χ^2 /NDF: 720070.2/56

All: 1273.647 $\pm$ 0.102 χ^2 /NDF: 1259431.4/11

- sign 1274.010 $\pm$ 0.144 χ^2 /NDF: 539348.4/59

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug



Right In: -453.478 ± 984.347 χ^2/NDF : 38.1/31

Left Out: -0.541 ± 886.487 χ^2/NDF : 29.1/24

Right Out: -515.681 ± 910.040 χ^2/NDF : 46.9/36

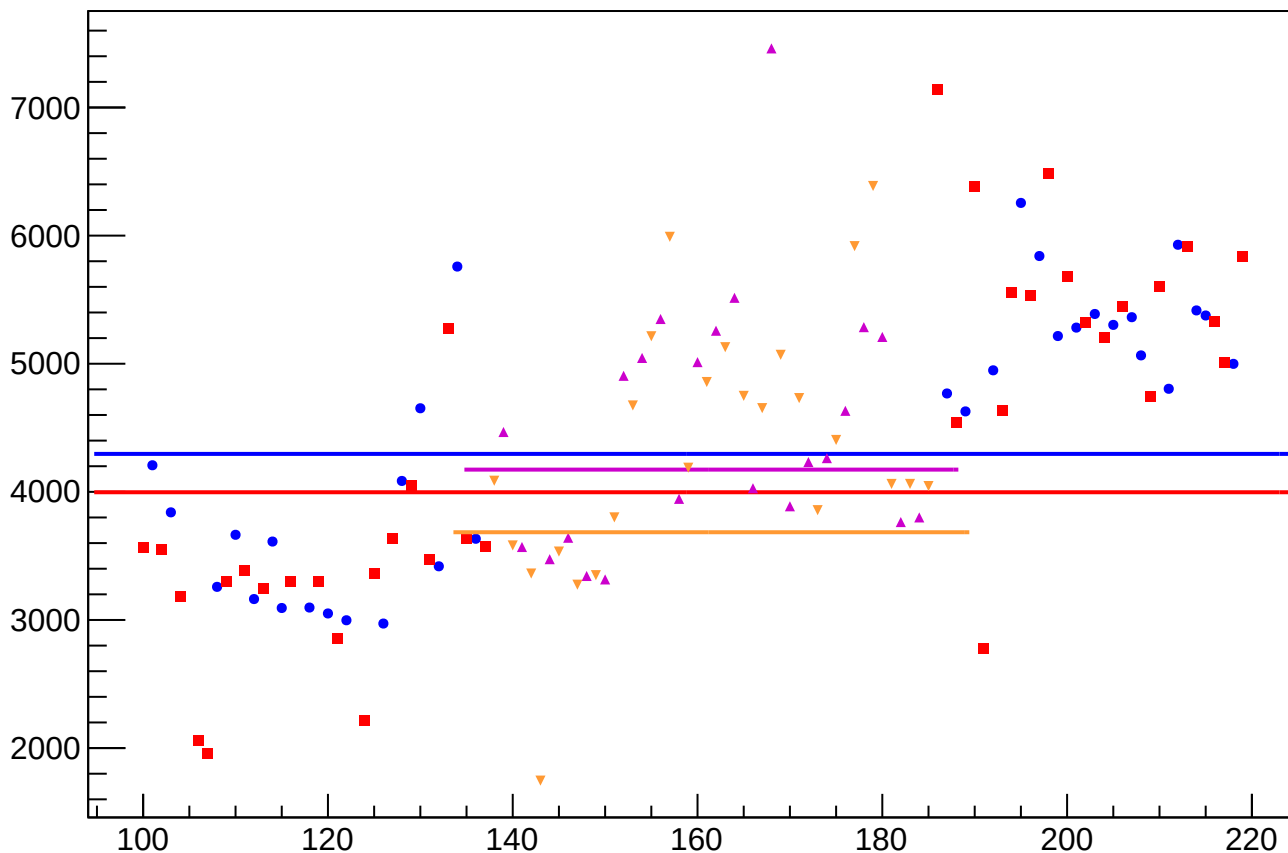
Left In: -31.597 ± 995.347 χ^2/NDF : 14.0/22

+ sign -203.382 ± 658.729 χ^2/NDF : 67.2/56

All: -248.434 ± 470.288 χ^2/NDF : 128.3/116

- sign -295.269 ± 671.633 χ^2/NDF : 61.1/59

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 4296.223+/-0.696 χ^2/NDF : 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF : 3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF : 3797224.6/36

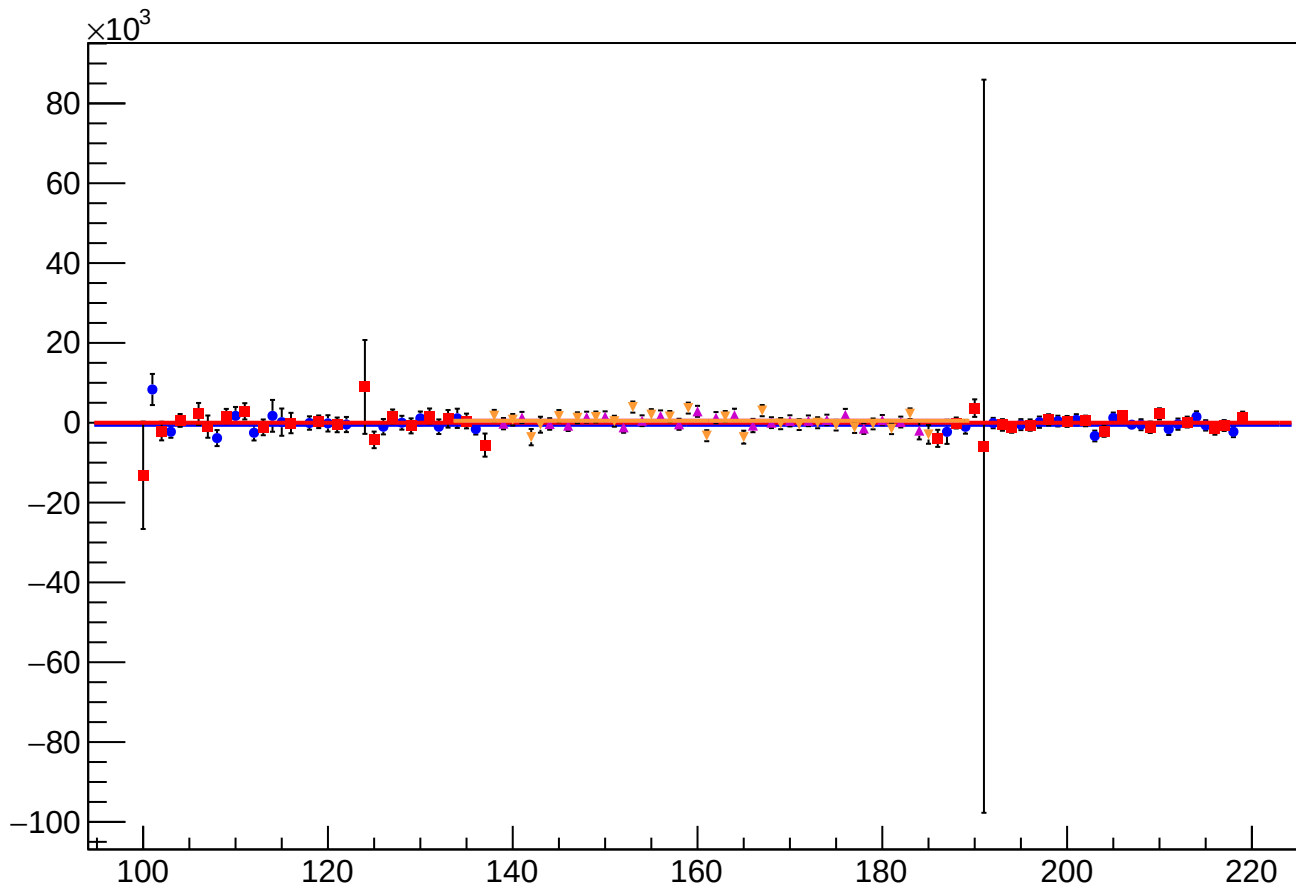
Left In: 4173.550+/-0.704 χ^2/NDF : 1274967.5/22

+ sign 3958.595+/-0.466 χ^2/NDF : 6197559.1/56

All: 4016.805+/-0.333 χ^2/NDF : 11335926.5/100

- sign 4077.317+/-0.475 χ^2/NDF : 5106515.0/59

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -519.082+/-286.661 χ^2/NDF : 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF : 46.9/24

Right Out: 0.721+/-282.033 χ^2/NDF : 33.9/36

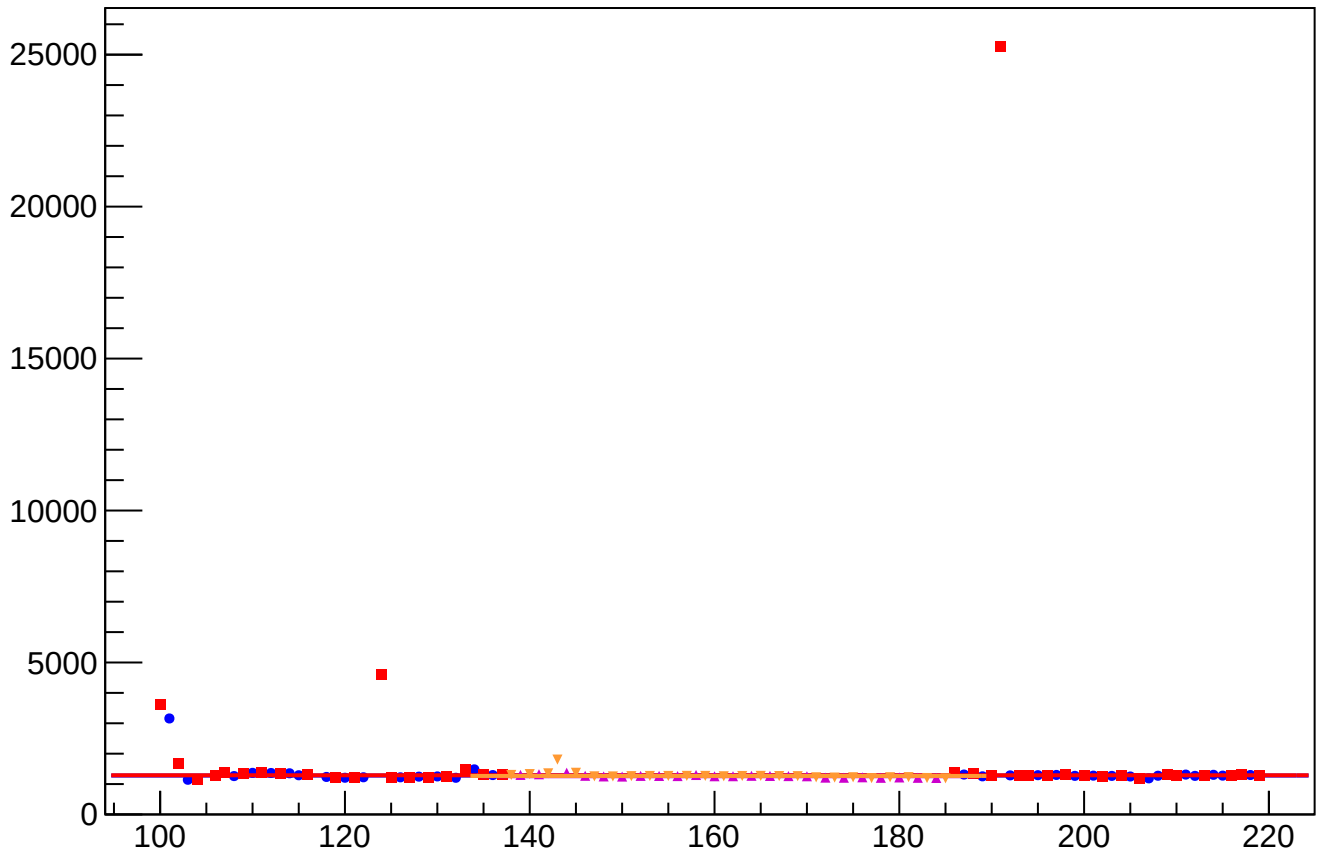
Left In: 486.720+/-293.769 χ^2/NDF : 14.4/22

+ sign -16.725+/-203.345 χ^2/NDF : 79.2/56

All: 108.483+/-143.824 χ^2/NDF : 129.8/116

- sign 233.819+/-203.450 χ^2/NDF : 49.8/59

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1279.520 $\pm$ 0.203 χ^2 /NDF: 530619.5/31

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.161 $\pm$ 0.199 χ^2 /NDF: 490475.5/36

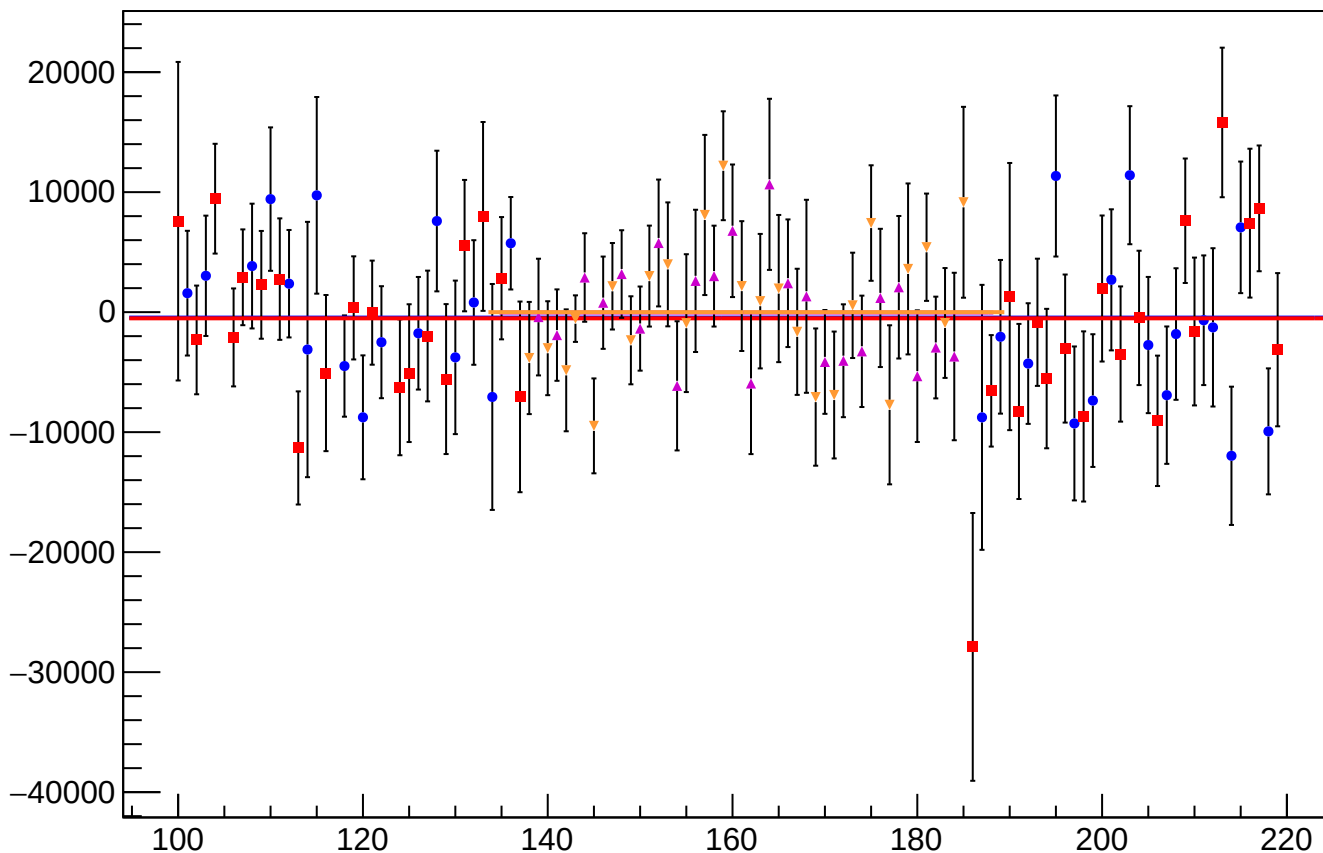
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1273.284 $\pm$ 0.144 χ^2 /NDF: 720070.2/56

All: 1273.647 $\pm$ 0.102 χ^2 /NDF: 1259431.4/11

- sign 1274.010 $\pm$ 0.144 χ^2 /NDF: 539348.4/59

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -453.478 ± 984.347 χ^2/NDF : 38.1/31

Left Out: -0.541 ± 886.487 χ^2/NDF : 29.1/24

Right Out: -515.681 ± 910.040 χ^2/NDF : 46.9/36

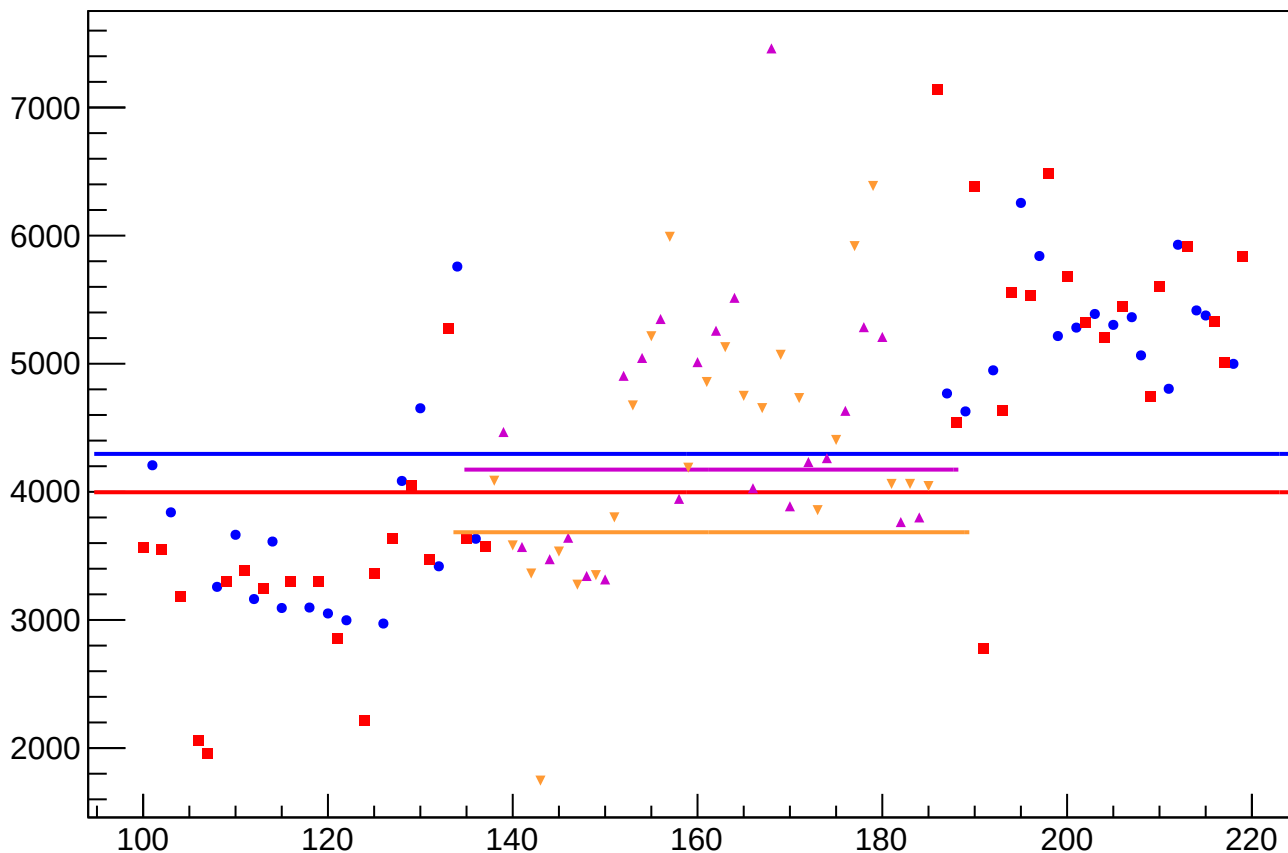
Left In: -31.597 ± 995.347 χ^2/NDF : 14.0/22

+ sign -203.382 ± 658.729 χ^2/NDF : 67.2/56

All: -248.434 ± 470.288 χ^2/NDF : 128.3/116

- sign -295.269 ± 671.633 χ^2/NDF : 61.1/59

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 4296.223+/-0.696 χ^2 /NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2 /NDF: 3693687.2/24

Right Out: 3996.873+/-0.643 χ^2 /NDF: 3797224.6/36

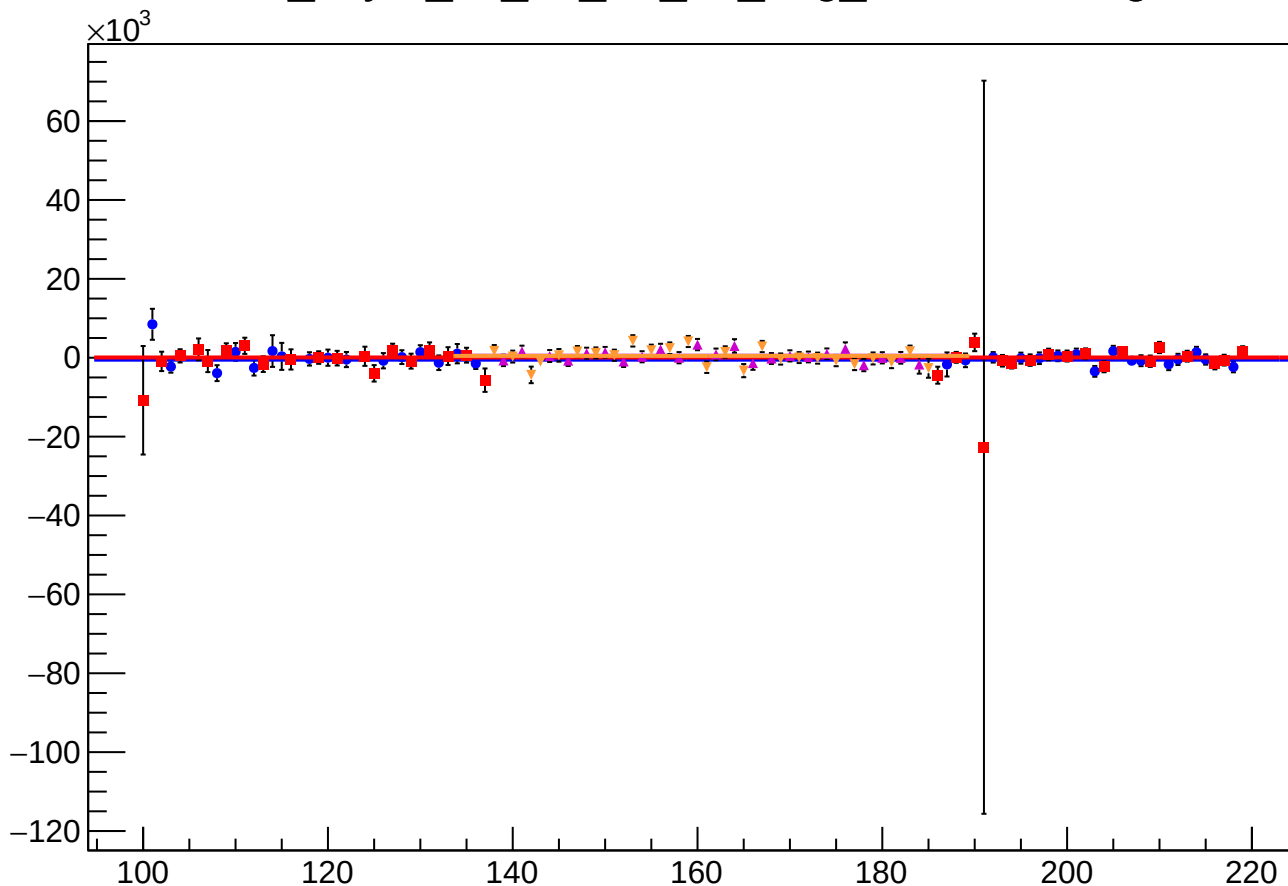
Left In: 4173.550+/-0.704 χ^2 /NDF: 1274967.5/22

+ sign 3958.595+/-0.466 χ^2 /NDF: 6197559.1/56

All: 4016.805+/-0.333 χ^2 /NDF: 11335926.5/1

- sign 4077.317+/-0.475 χ^2 /NDF: 5106515.0/59

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -490.252 ± 290.193 χ^2/NDF : 27.5/31

Left Out: 467.929 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 66.239 ± 284.065 χ^2/NDF : 35.1/36

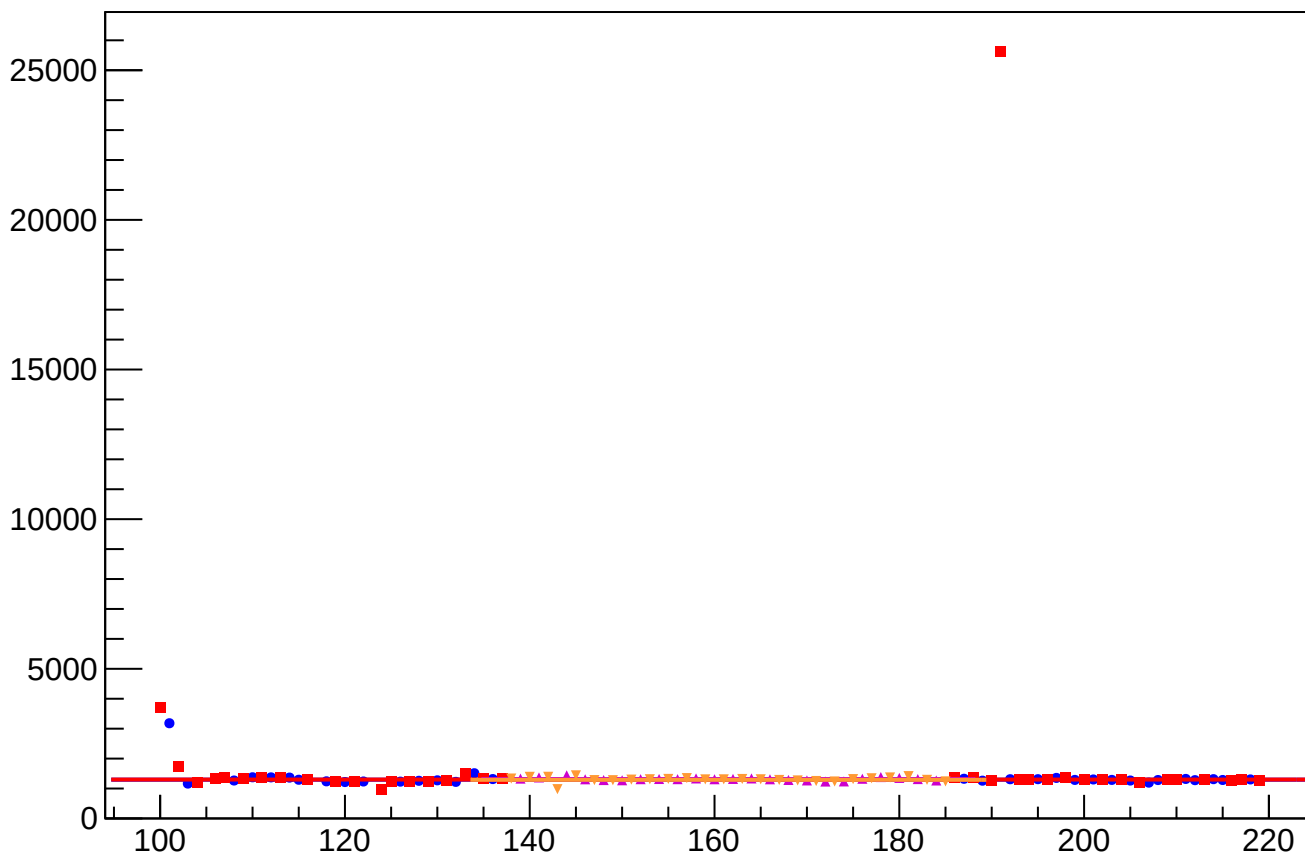
Left In: 503.558 ± 307.055 χ^2/NDF : 17.4/22

+ sign -17.823 ± 206.619 χ^2/NDF : 77.0/56

All: 123.739 ± 146.769 χ^2/NDF : 131.6/116

- sign 267.916 ± 208.519 χ^2/NDF : 53.6/59

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1295.181 $\pm$ 0.205 χ^2 /NDF: 530283.4/31

Left Out: 1291.211 $\pm$ 0.208 χ^2 /NDF: 230735.1/24

Right Out: 1299.547 $\pm$ 0.201 χ^2 /NDF: 379434.2/36

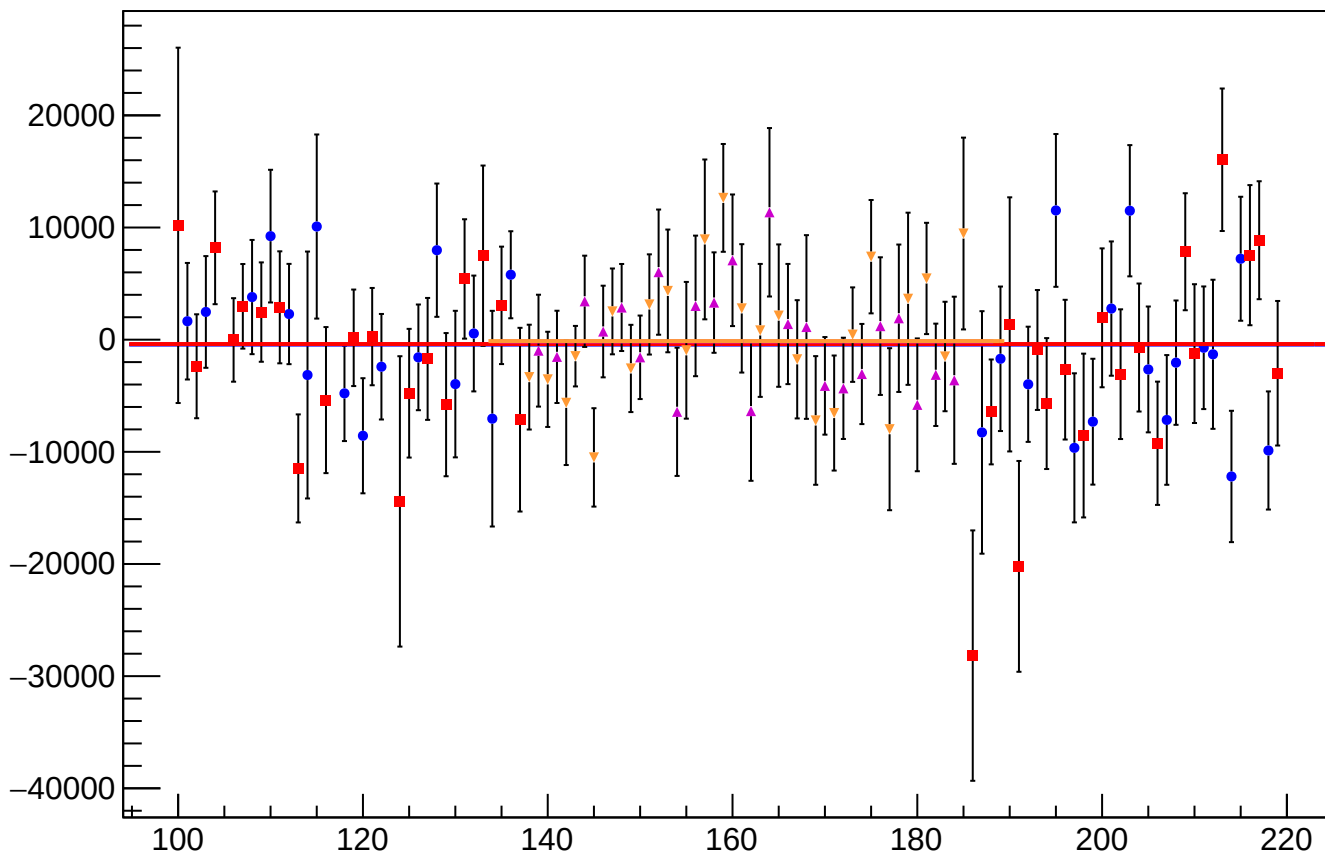
Left In: 1314.006 $\pm$ 0.217 χ^2 /NDF: 43044.7/22

+ sign 1293.224 $\pm$ 0.146 χ^2 /NDF: 761203.2/56

All: 1299.660 $\pm$ 0.104 χ^2 /NDF: 1189988.8/11

- sign 1306.213 $\pm$ 0.147 χ^2 /NDF: 424869.1/59

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug



Right In: -435.912+/-990.415 χ^2 /NDF: 37.9/31

Left Out: -127.273+/-977.231 χ^2 /NDF: 28.6/24

Right Out: -389.692+/-924.704 χ^2 /NDF: 48.5/36

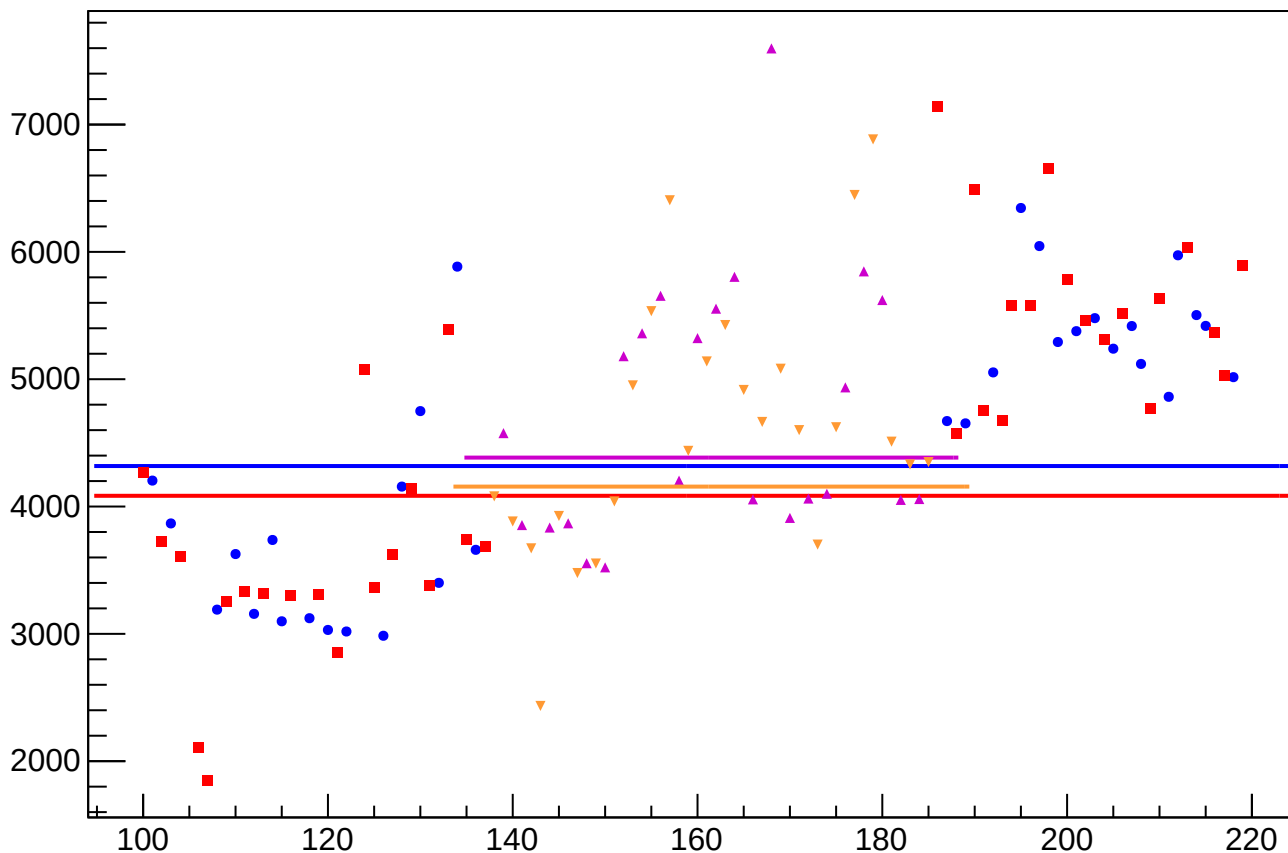
Left In: -159.452+/-1045.510 χ^2 /NDF: 13.8/22

+ sign -279.524+/-695.621 χ^2 /NDF: 66.5/56

All: -284.100+/-490.827 χ^2 /NDF: 128.8/116

- sign -288.637+/-692.656 χ^2 /NDF: 62.3/59

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 4318.059 $\pm$ 0.700 χ^2 /NDF: 2178483.2/31

Left Out: 4156.582 $\pm$ 0.691 χ^2 /NDF:2080766.1/24

Right Out: 4084.304 $\pm$ 0.654 χ^2 /NDF: 3814574.7/36

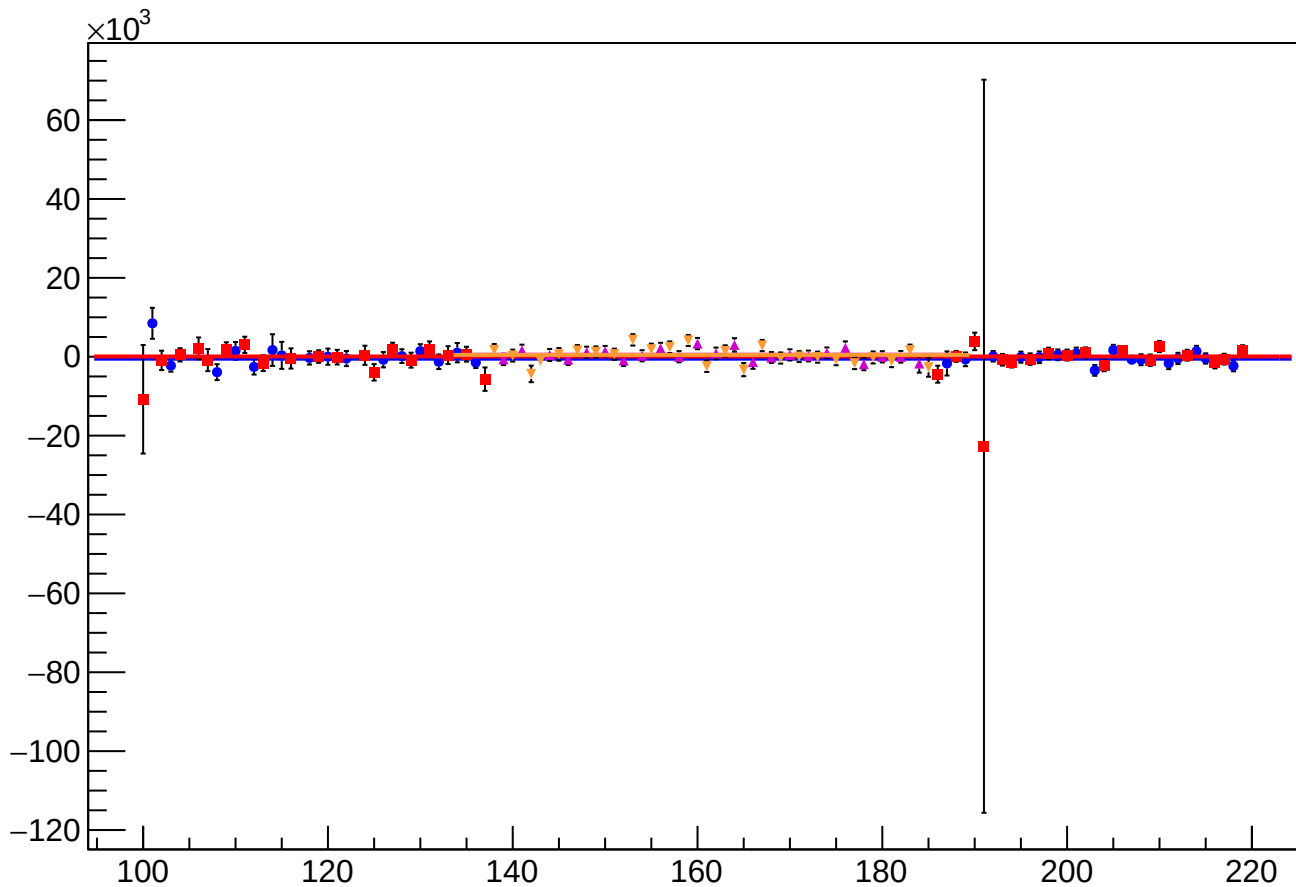
Left In: 4384.323 $\pm$ 0.739 χ^2 /NDF:1255470.8/22

+ sign 4236.239 $\pm$ 0.492 χ^2 /NDF: 4286187.7/56

All: 4226.069 $\pm$ 0.347 χ^2 /NDF: 9449490.4/11

- sign 4215.986 $\pm$ 0.490 χ^2 /NDF: 5162451.5/59

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -490.250 ± 290.193 χ^2/NDF : 27.5/31

Left Out: 467.933 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 66.240 ± 284.065 χ^2/NDF : 35.1/36

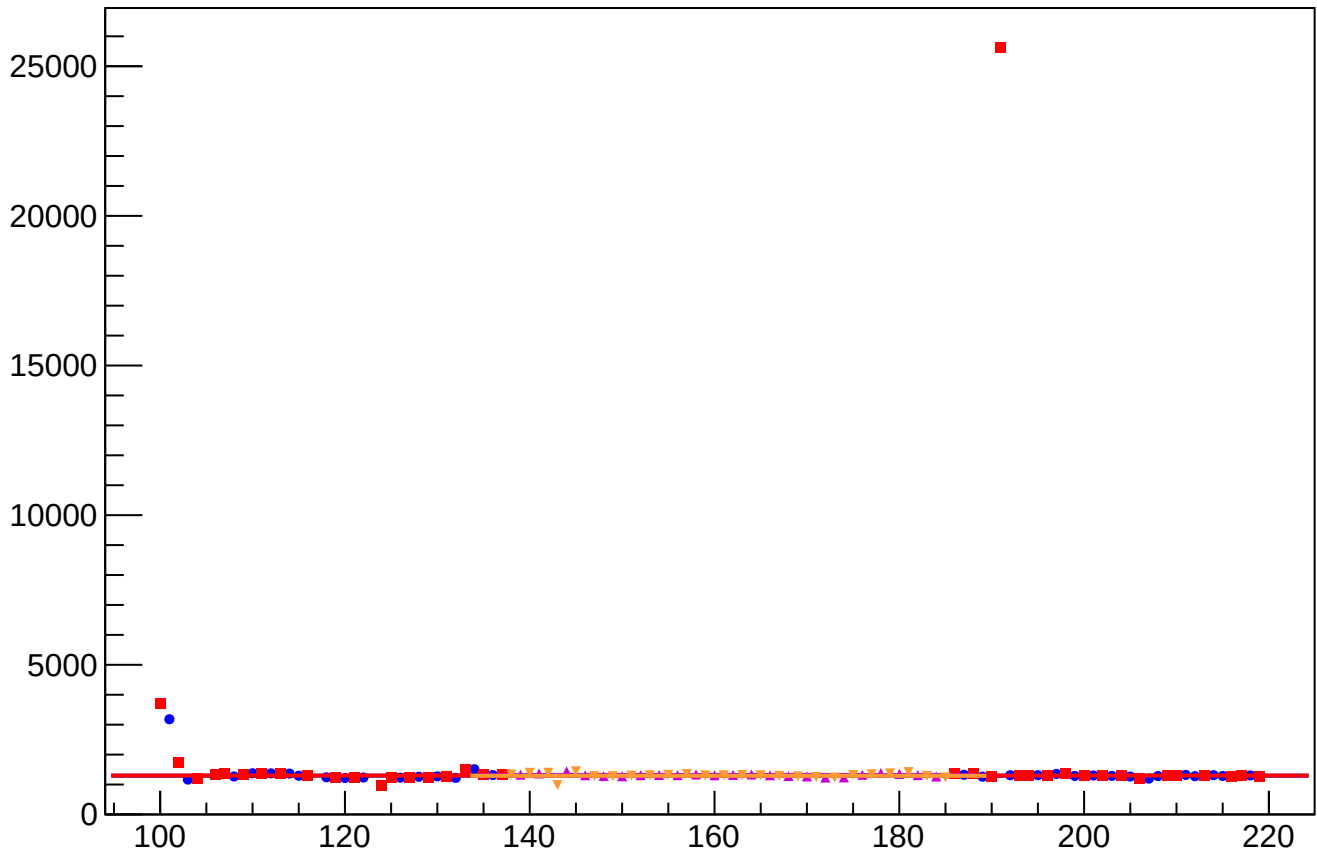
Left In: 503.558 ± 307.056 χ^2/NDF : 17.4/22

+ sign -17.821 ± 206.620 χ^2/NDF : 77.0/56

All: 123.740 ± 146.769 χ^2/NDF : 131.6/116

- sign 267.916 ± 208.519 χ^2/NDF : 53.6/59

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1295.181 $\pm$ 0.205 χ^2 /NDF: 530283.5/31

Left Out: 1291.212 $\pm$ 0.208 χ^2 /NDF: 230737.6/24

Right Out: 1299.547 $\pm$ 0.201 χ^2 /NDF: 379434.3/36

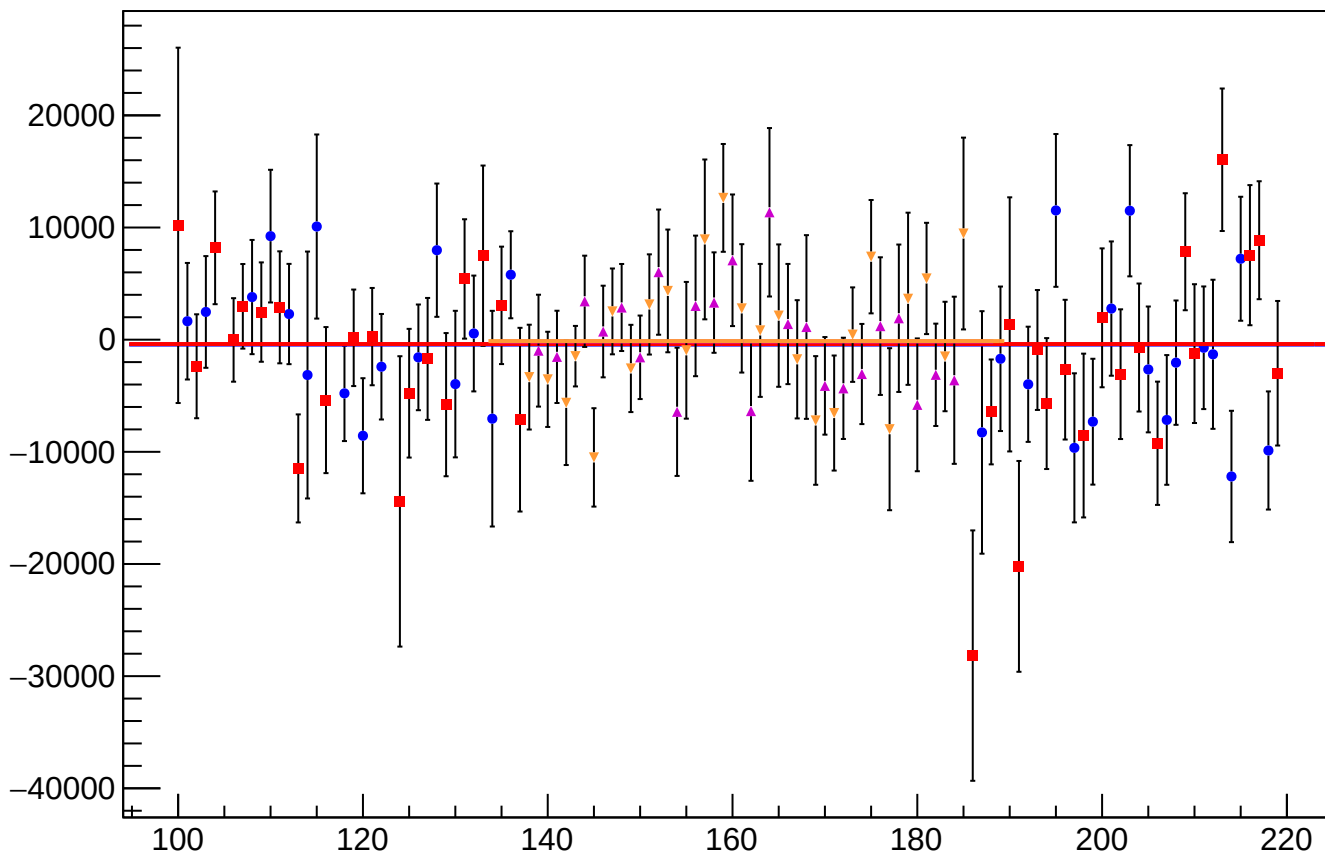
Left In: 1314.007 $\pm$ 0.217 χ^2 /NDF: 43046.8/22

+ sign 1293.224 $\pm$ 0.146 χ^2 /NDF: 761205.6/56

All: 1299.660 $\pm$ 0.104 χ^2 /NDF: 1189993.9/11

- sign 1306.214 $\pm$ 0.147 χ^2 /NDF: 424871.7/59

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -435.914+/-990.415 χ^2/NDF : 37.9/31

Left Out: -127.271+/-977.232 χ^2/NDF : 28.6/24

Right Out: -389.687+/-924.703 χ^2/NDF : 48.5/36

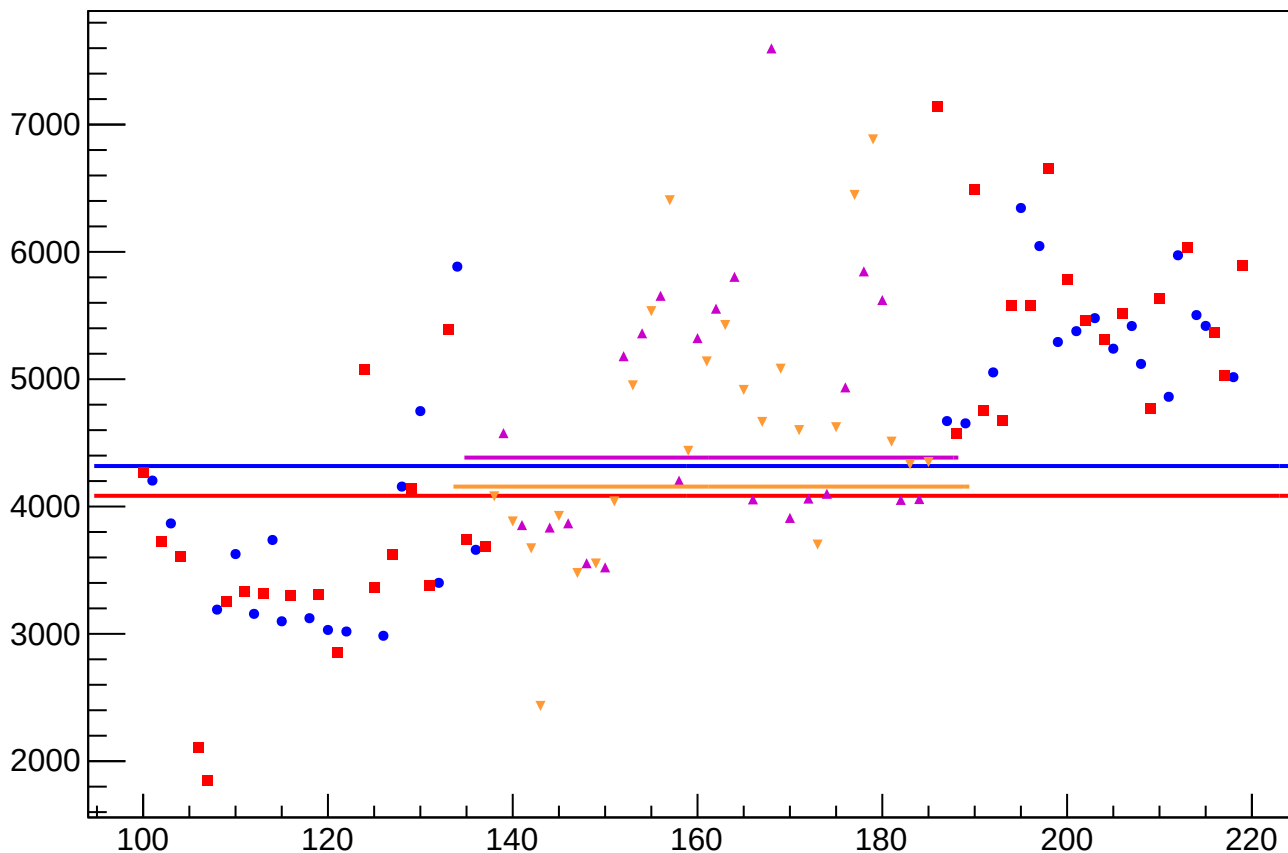
Left In: -159.454+/-1045.511 χ^2/NDF : 13.8/22

+ sign -279.525+/-695.621 χ^2/NDF : 66.5/56

All: -284.099+/-490.827 χ^2/NDF : 128.8/116

- sign -288.635+/-692.656 χ^2/NDF : 62.3/59

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 4318.055 $\pm$ 0.700 χ^2/NDF : 2178522.1/31

Left Out: 4156.588 $\pm$ 0.691 χ^2/NDF : 2080769.0/24

Right Out: 4084.299 $\pm$ 0.654 χ^2/NDF : 3814613.1/36

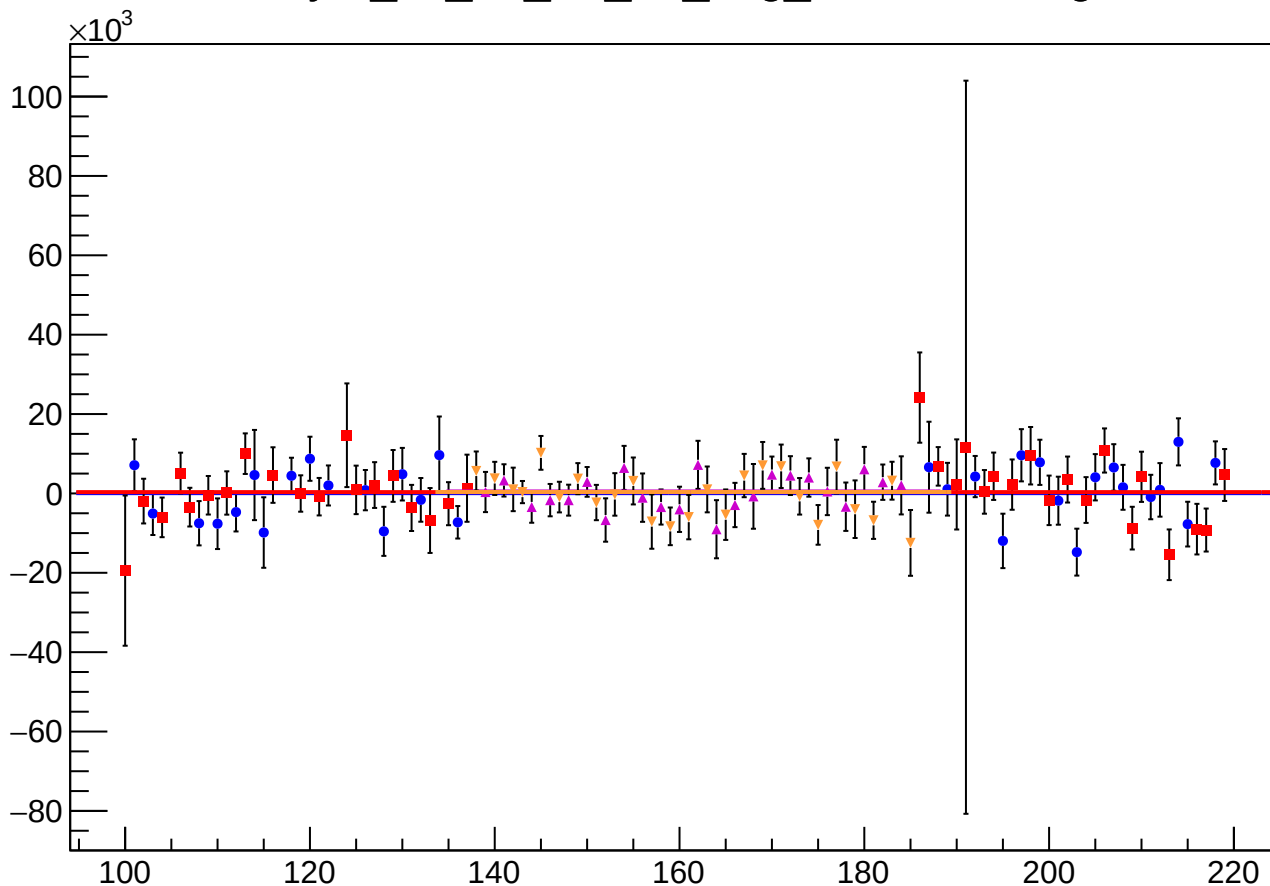
Left In: 4384.329 $\pm$ 0.739 χ^2/NDF : 1255475.0/22

+ sign 4236.240 $\pm$ 0.492 χ^2/NDF : 4286225.8/56

All: 4226.069 $\pm$ 0.347 χ^2/NDF : 9449578.8/11

- sign 4215.986 $\pm$ 0.490 χ^2/NDF : 5162501.6/59

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: 70.199+/-1040.368 χ^2/NDF : 43.4/31

Left Out: 362.528+/-979.860 χ^2/NDF : 27.7/24

Right Out: 330.825+/-996.314 χ^2/NDF : 39.1/36

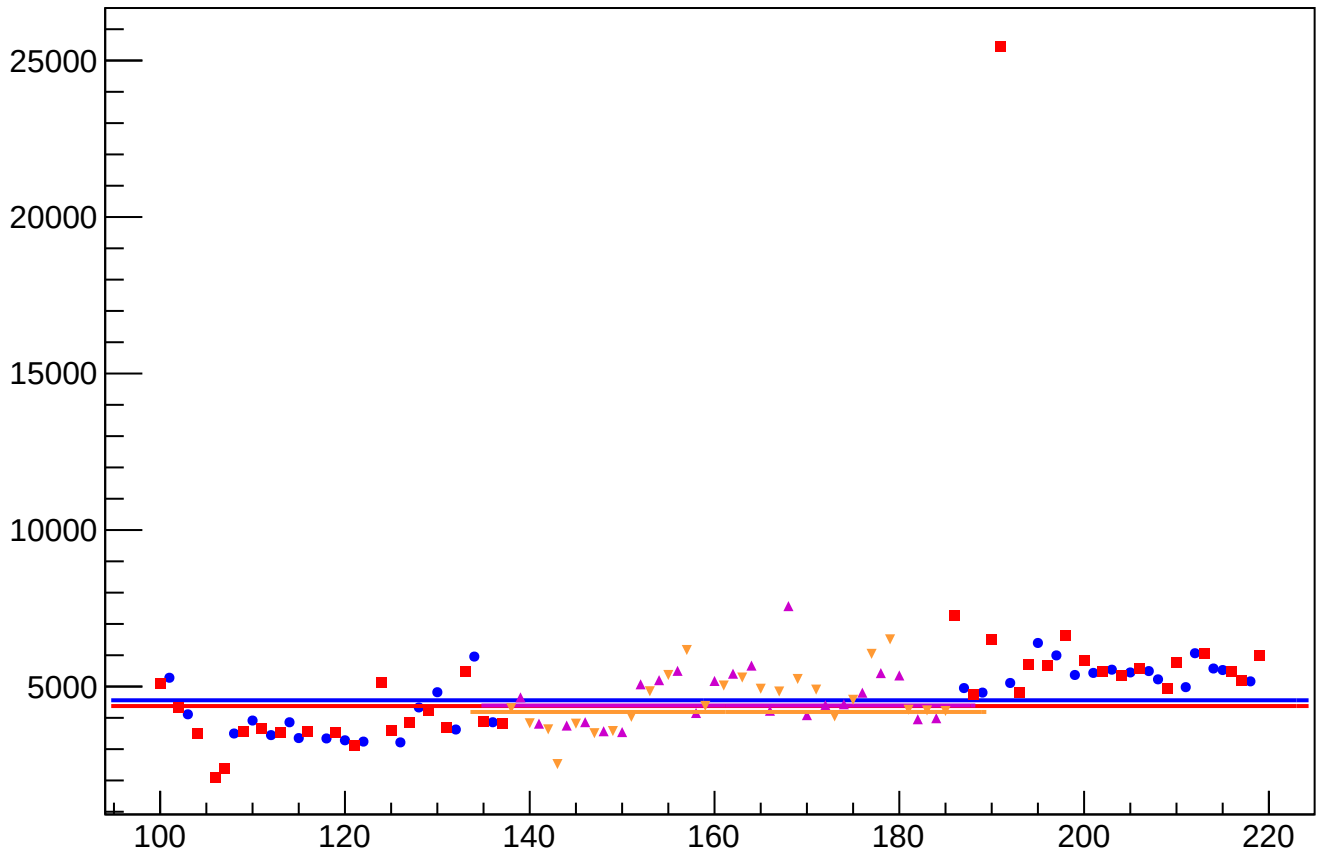
Left In: 497.522+/-1044.707 χ^2/NDF : 13.9/22

+ sign 225.111+/-713.298 χ^2/NDF : 71.1/56

All: 316.673+/-507.080 χ^2/NDF : 124.2/116

- sign 410.223+/-721.002 χ^2/NDF : 53.0/59

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4561.241 $\pm$ 0.736 χ^2 /NDF: 1749932.7/31

Left Out: 4187.848 $\pm$ 0.693 χ^2 /NDF: 1796345.9/24

Right Out: 4376.780 $\pm$ 0.699 χ^2 /NDF: 3014582.8/36

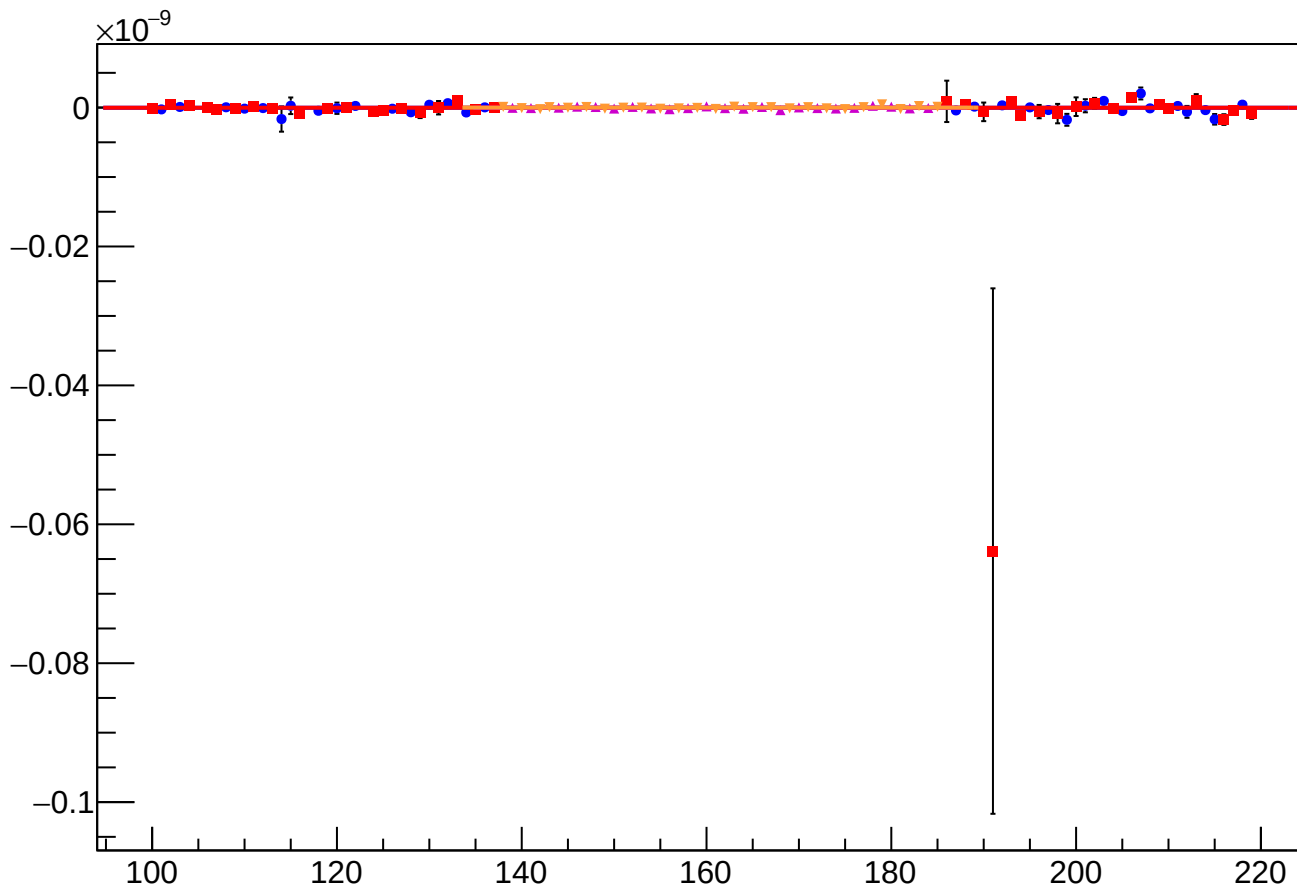
Left In: 4394.324 $\pm$ 0.739 χ^2 /NDF: 1088394.9/22

+ sign 4363.372 $\pm$ 0.504 χ^2 /NDF: 3682801.1/56

All: 4374.148 $\pm$ 0.358 χ^2 /NDF: 7786995.4/11

- sign 4385.069 $\pm$ 0.508 χ^2 /NDF: 4103275.3/59

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 40.8/31

Left Out: -0.000+/-0.000 χ^2 /NDF:30.5/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 41.4/36

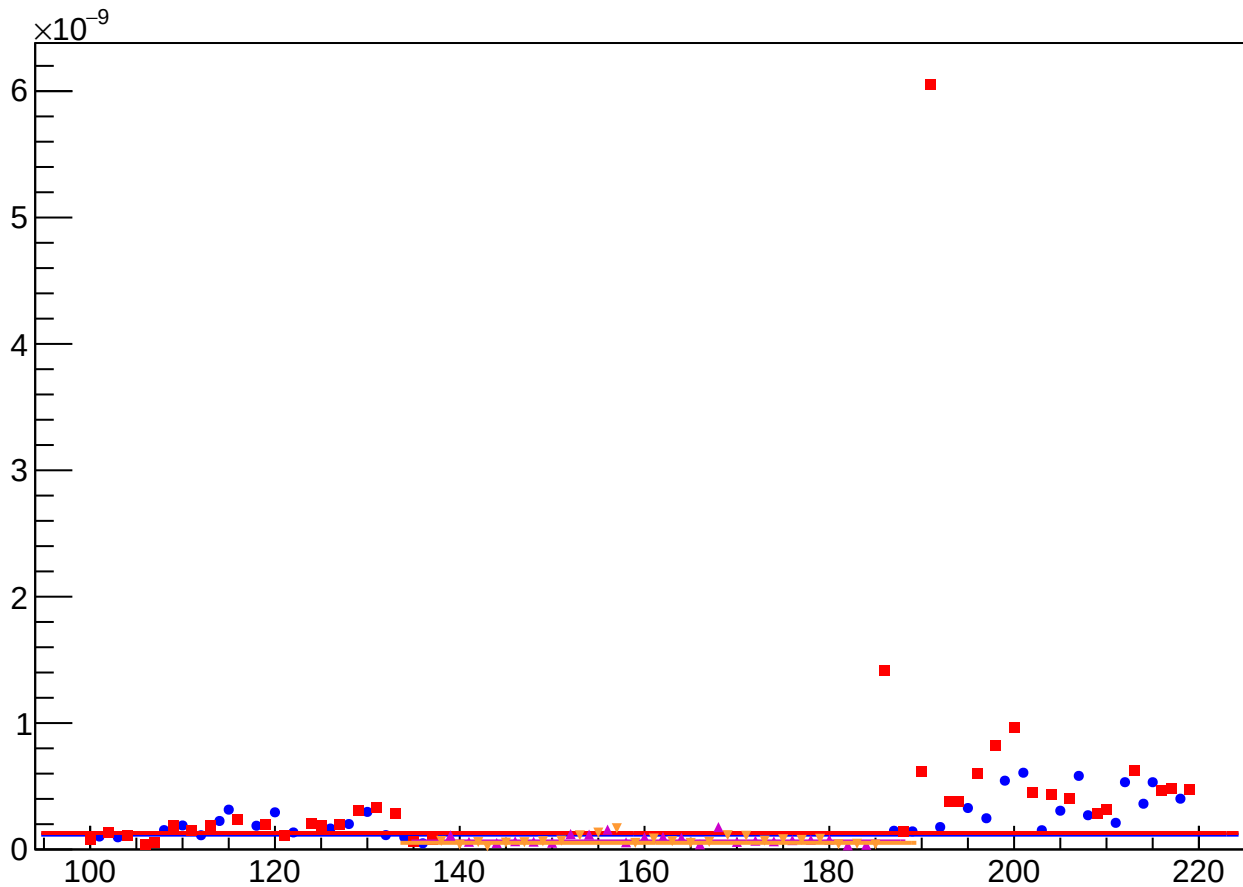
Left In: -0.000+/-0.000 χ^2 /NDF:17.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 71.5/56

All: -0.000+/-0.000 χ^2 /NDF: 130.1/116

- sign -0.000+/-0.000 χ^2 /NDF: 58.4/59

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6269298.8/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8717055.0/36

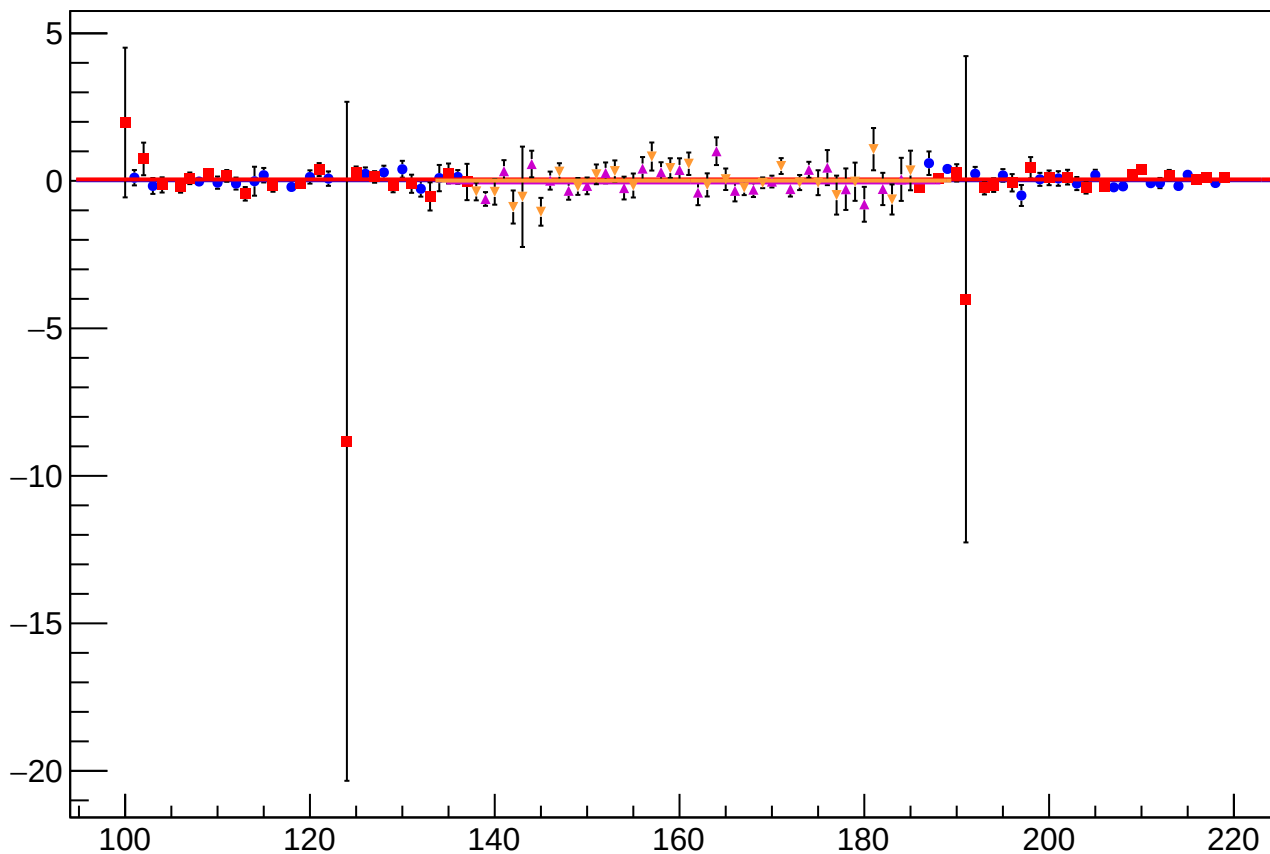
Left In: 0.000+/-0.000 χ^2/NDF : 1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 11348193.4/56

All: 0.000+/-0.000 χ^2/NDF : 24293486.6/116

- sign 0.000+/-0.000 χ^2/NDF : 12634307.7/59

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.021 ± 0.035 χ^2/NDF : 31.8/31

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.048 ± 0.032 χ^2/NDF : 41.6/36

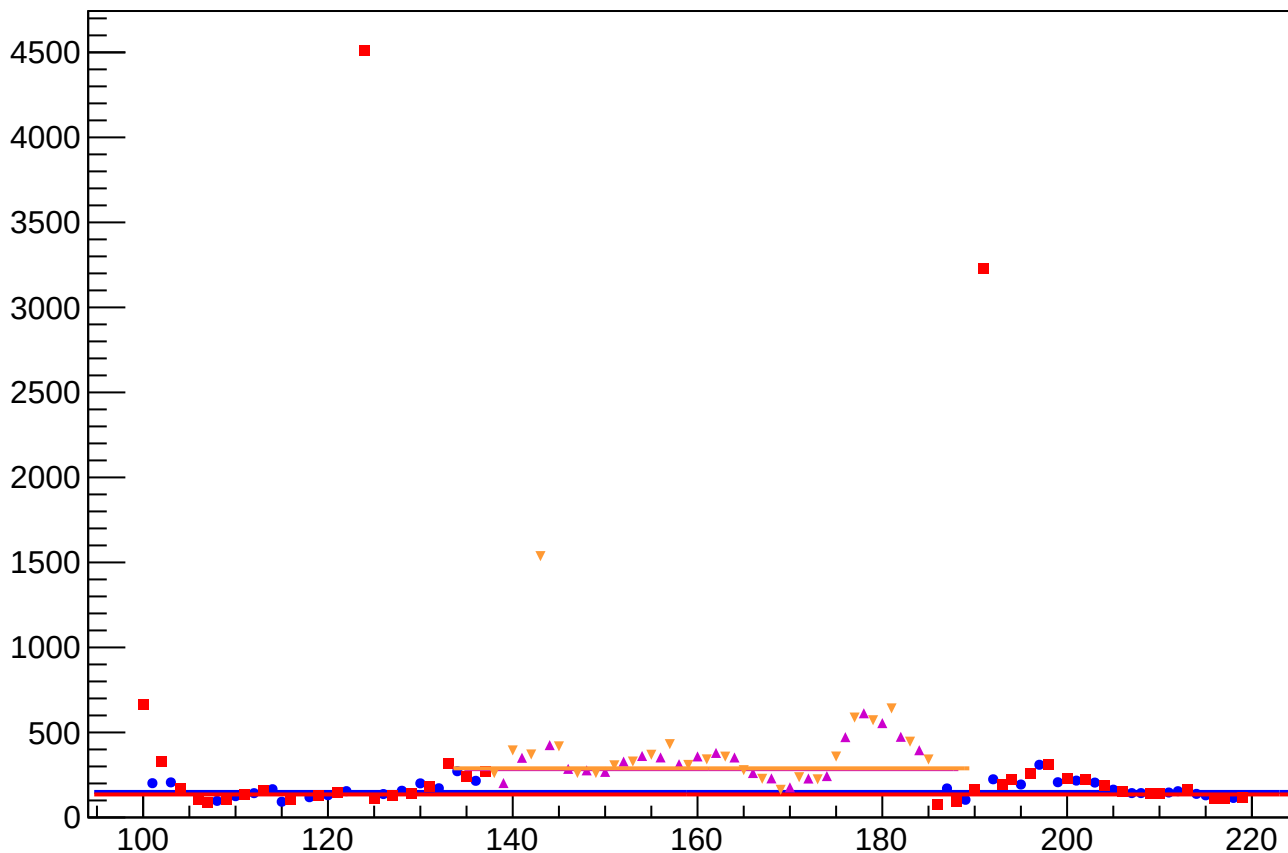
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.018 ± 0.032 χ^2/NDF : 60.7/56

All: 0.025 ± 0.021 χ^2/NDF : 131.8/116

- sign 0.030 ± 0.029 χ^2/NDF : 71.0/59

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 150.054+/-0.025 χ^2/NDF : 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF : 4934682.1/36

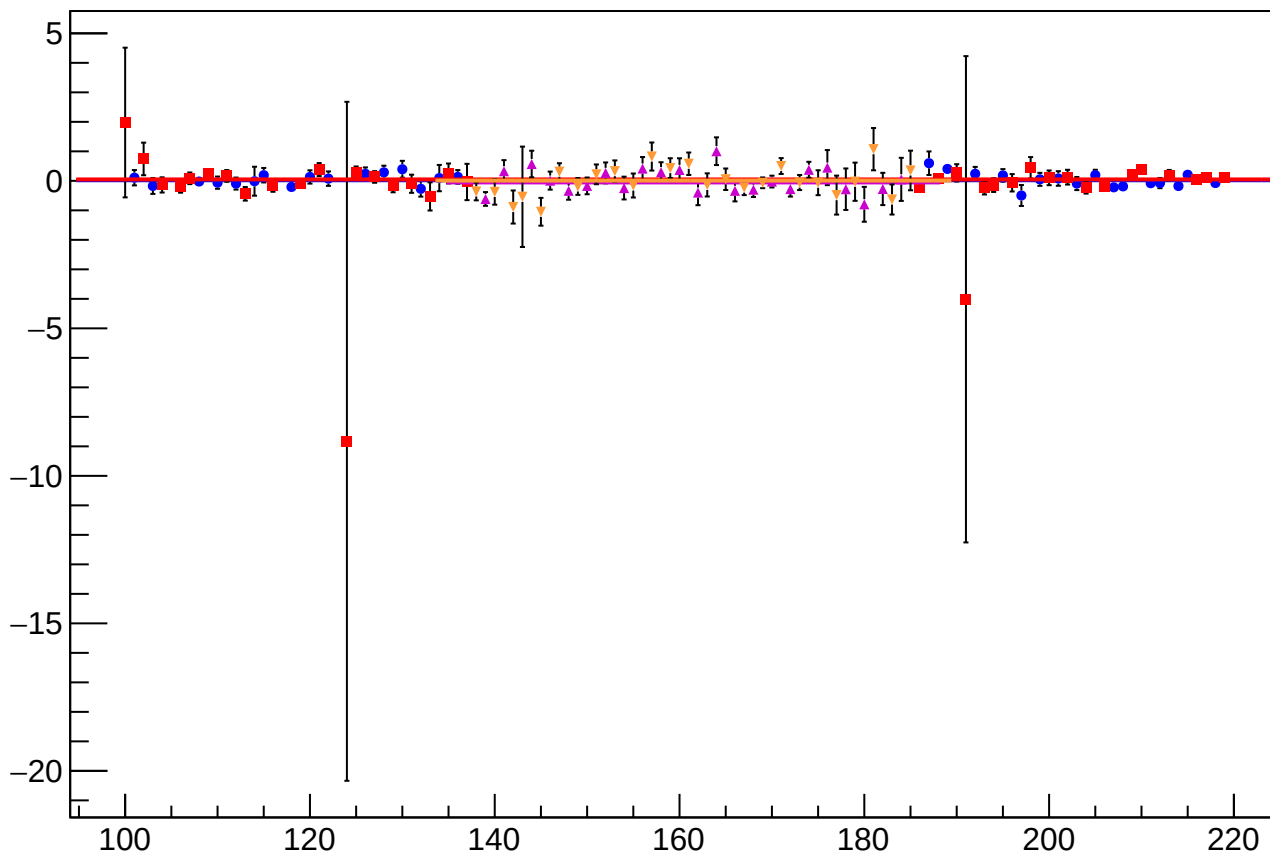
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 177.478+/-0.022 χ^2/NDF : 13318617.6/56

All: 168.587+/-0.015 χ^2/NDF : 29022789.5/11

- sign 160.971+/-0.021 χ^2/NDF : 15409459.6/59

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021 ± 0.035 χ^2/NDF : 31.8/31

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.048 ± 0.032 χ^2/NDF : 41.6/36

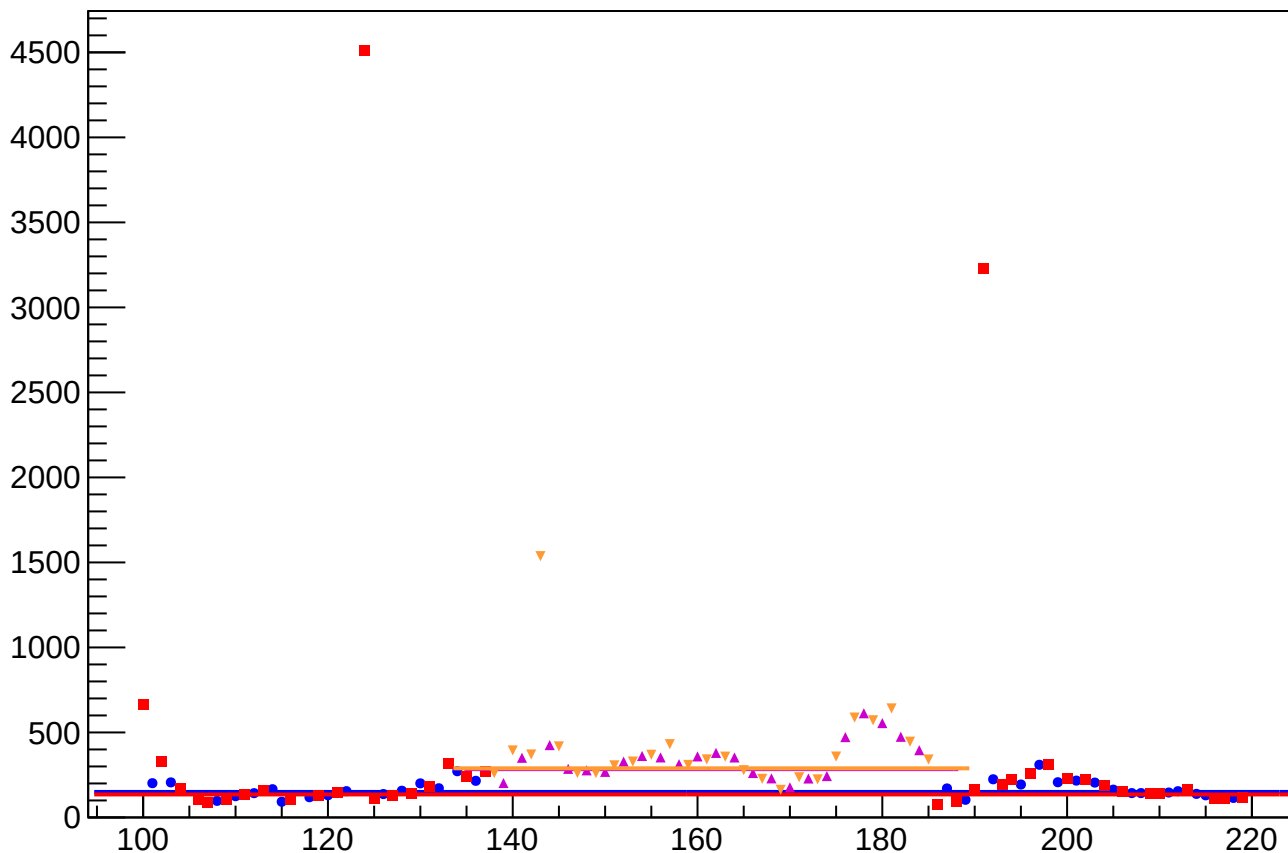
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.018 ± 0.032 χ^2/NDF : 60.7/56

All: 0.025 ± 0.021 χ^2/NDF : 131.8/116

- sign 0.030 ± 0.029 χ^2/NDF : 71.0/59

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 150.054+/-0.025 χ^2/NDF : 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF : 4934682.1/36

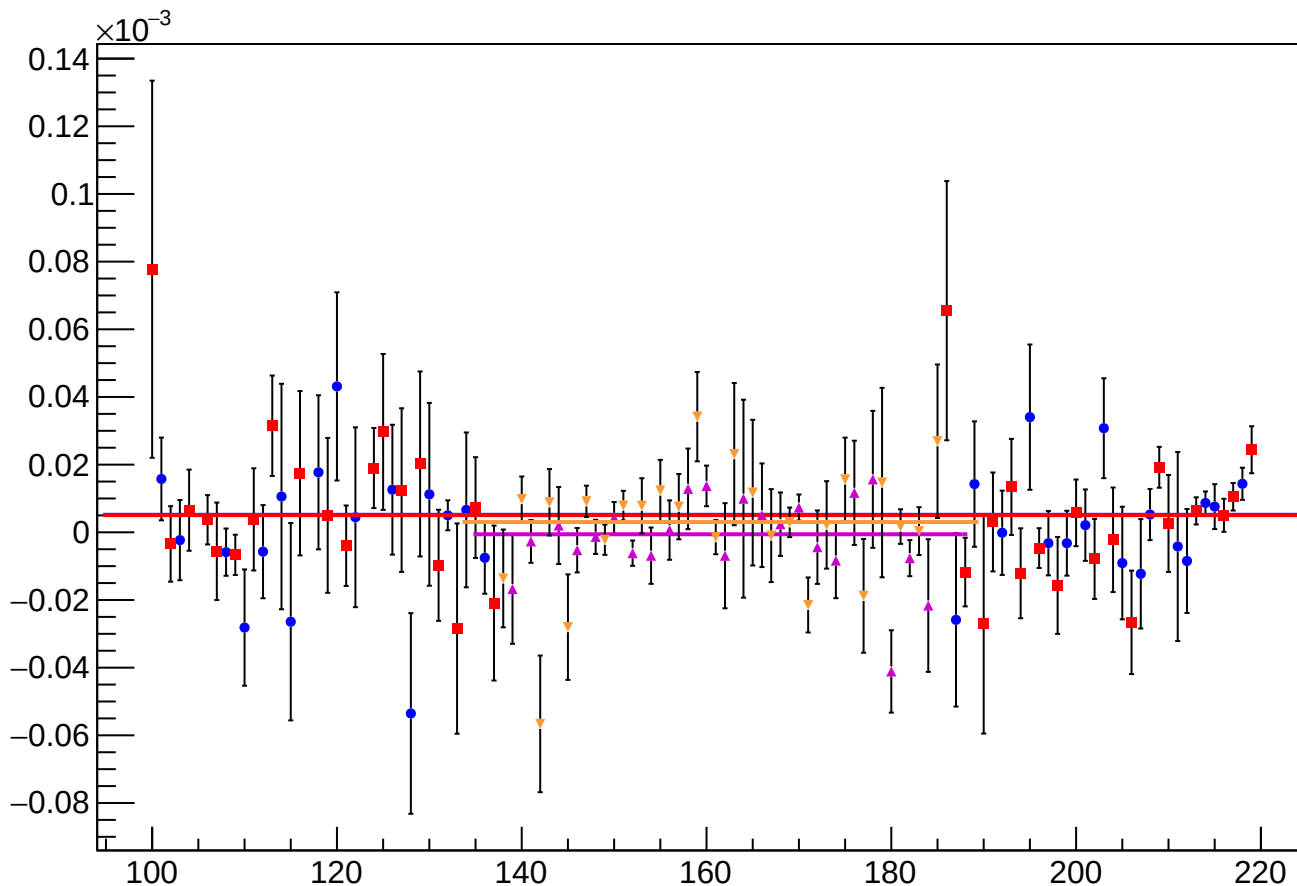
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 177.478+/-0.022 χ^2/NDF : 13318617.6/56

All: 168.587+/-0.015 χ^2/NDF : 29022789.5/131

- sign 160.971+/-0.021 χ^2/NDF : 15409459.6/59

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.0/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:42.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 51.0/36

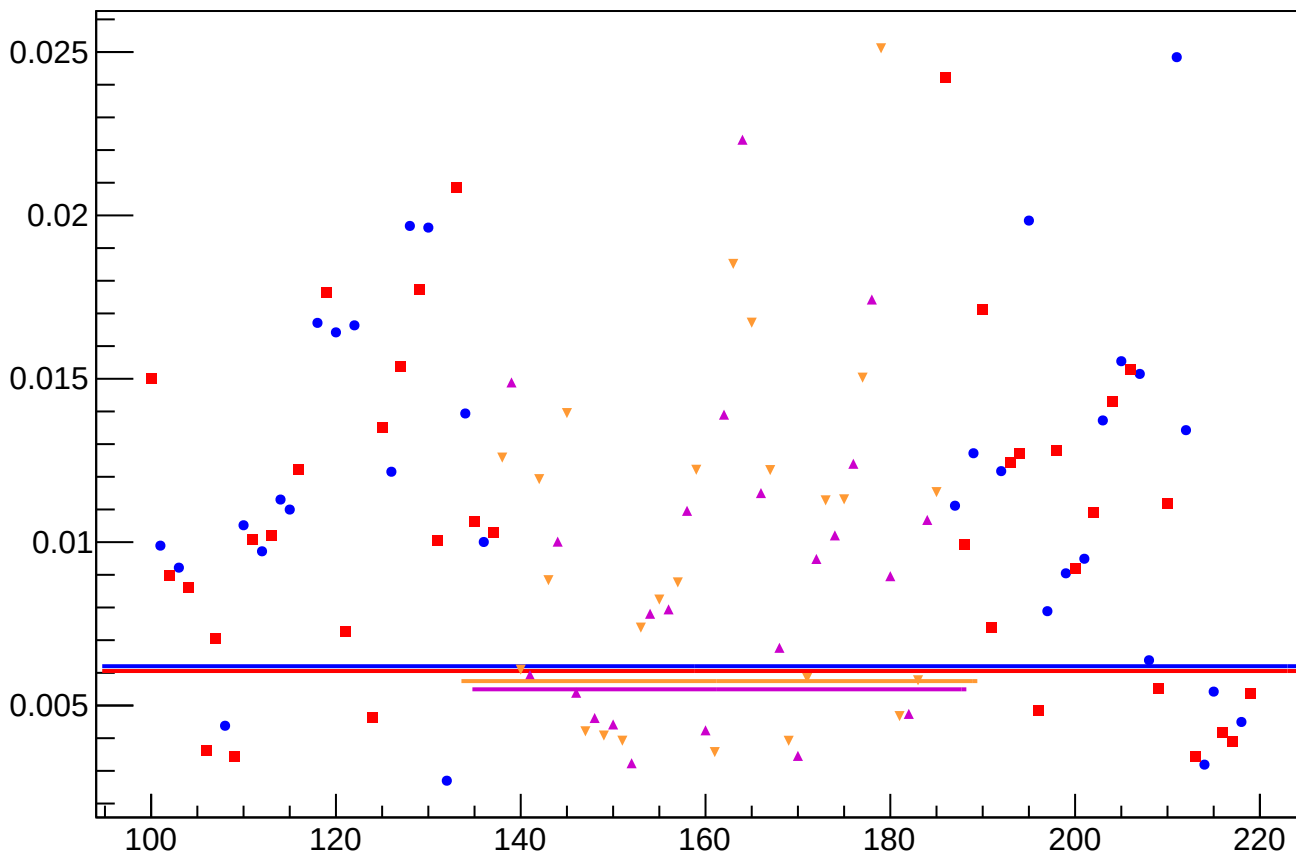
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:33.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 76.1/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 168.4/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 90.9/59

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 11616529.9/31

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8128513.8/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 9867807.7/36

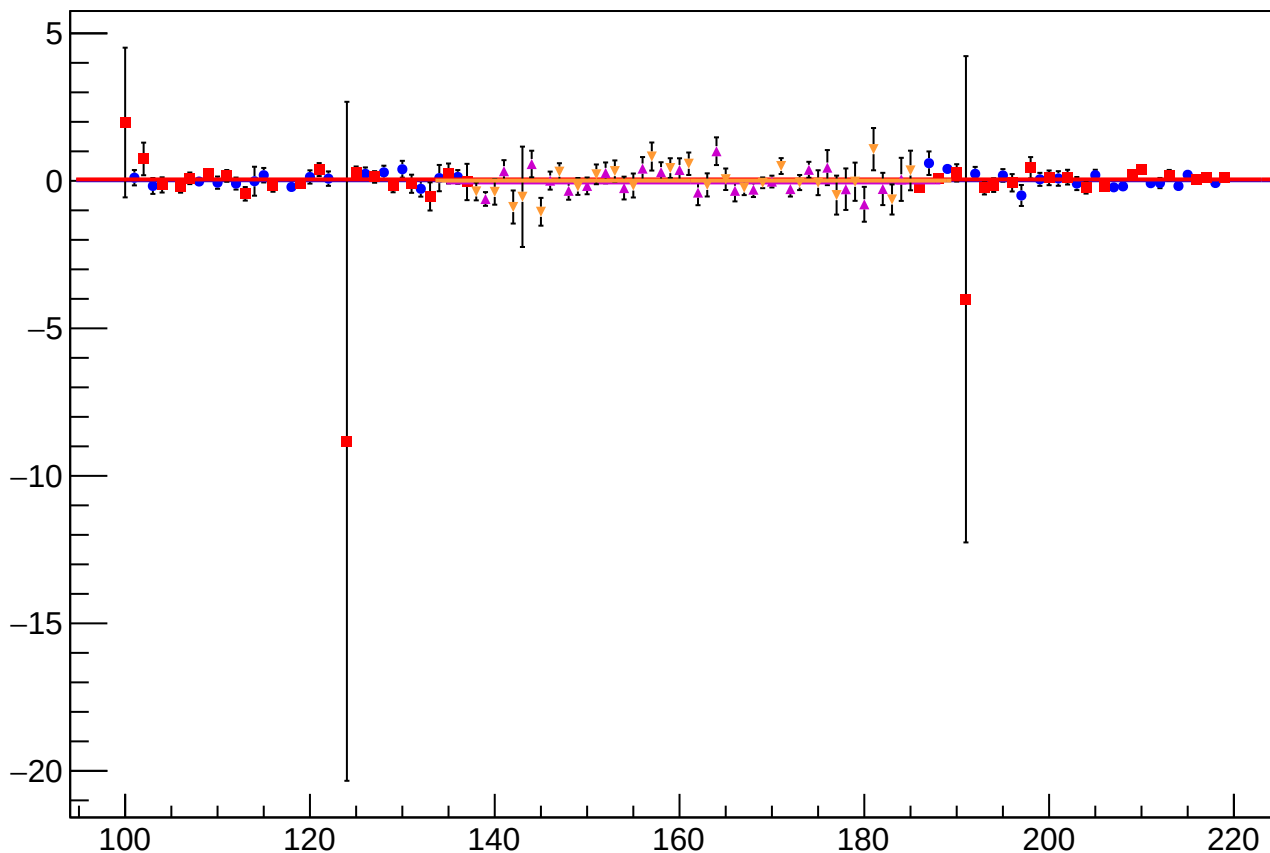
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 6937299.0/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 19825129.1/56

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 36790283.9/116

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 16938126.0/59

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.021 ± 0.035 χ^2/NDF : 31.8/31

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.048 ± 0.032 χ^2/NDF : 41.6/36

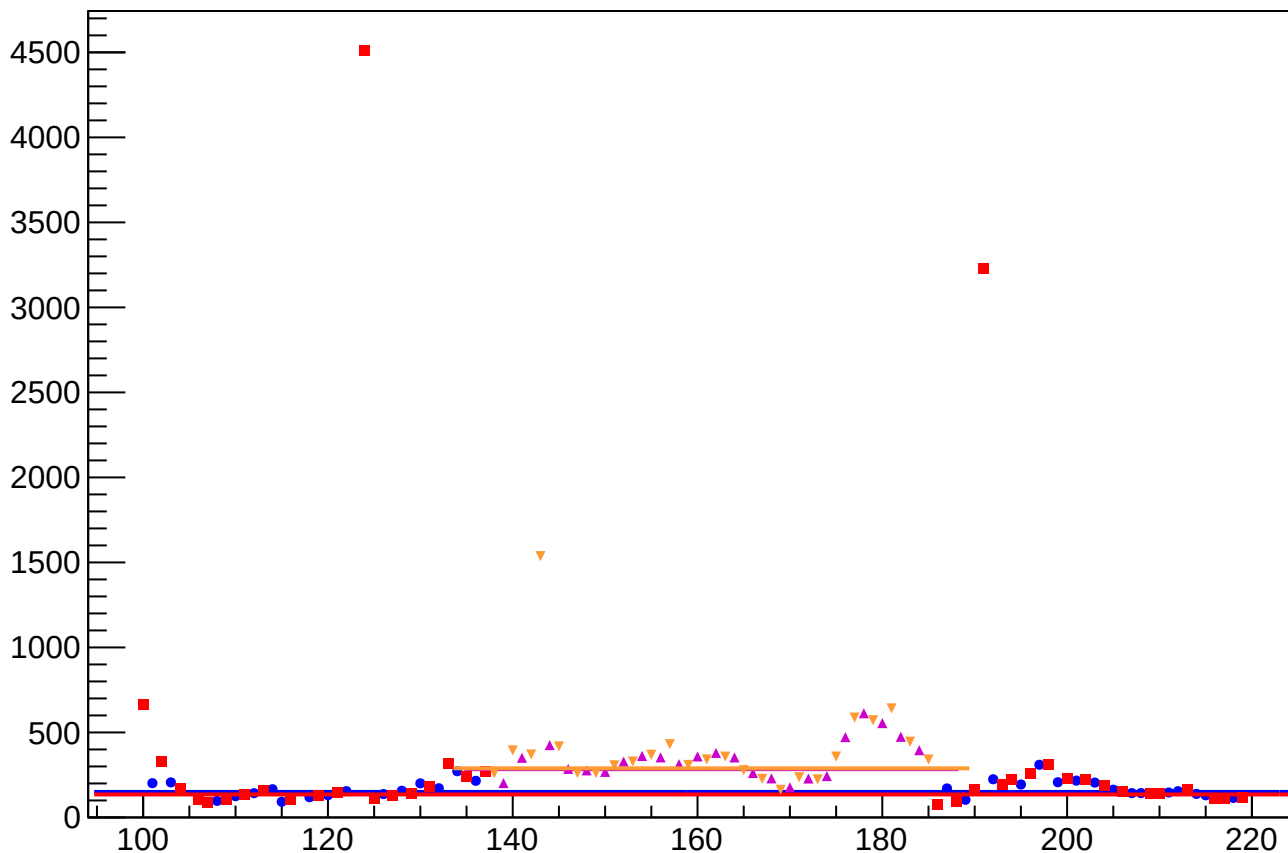
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.018 ± 0.032 χ^2/NDF : 60.7/56

All: 0.025 ± 0.021 χ^2/NDF : 131.8/116

- sign 0.030 ± 0.029 χ^2/NDF : 71.0/59

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 150.055+/-0.025 χ^2/NDF : 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF : 4934505.2/36

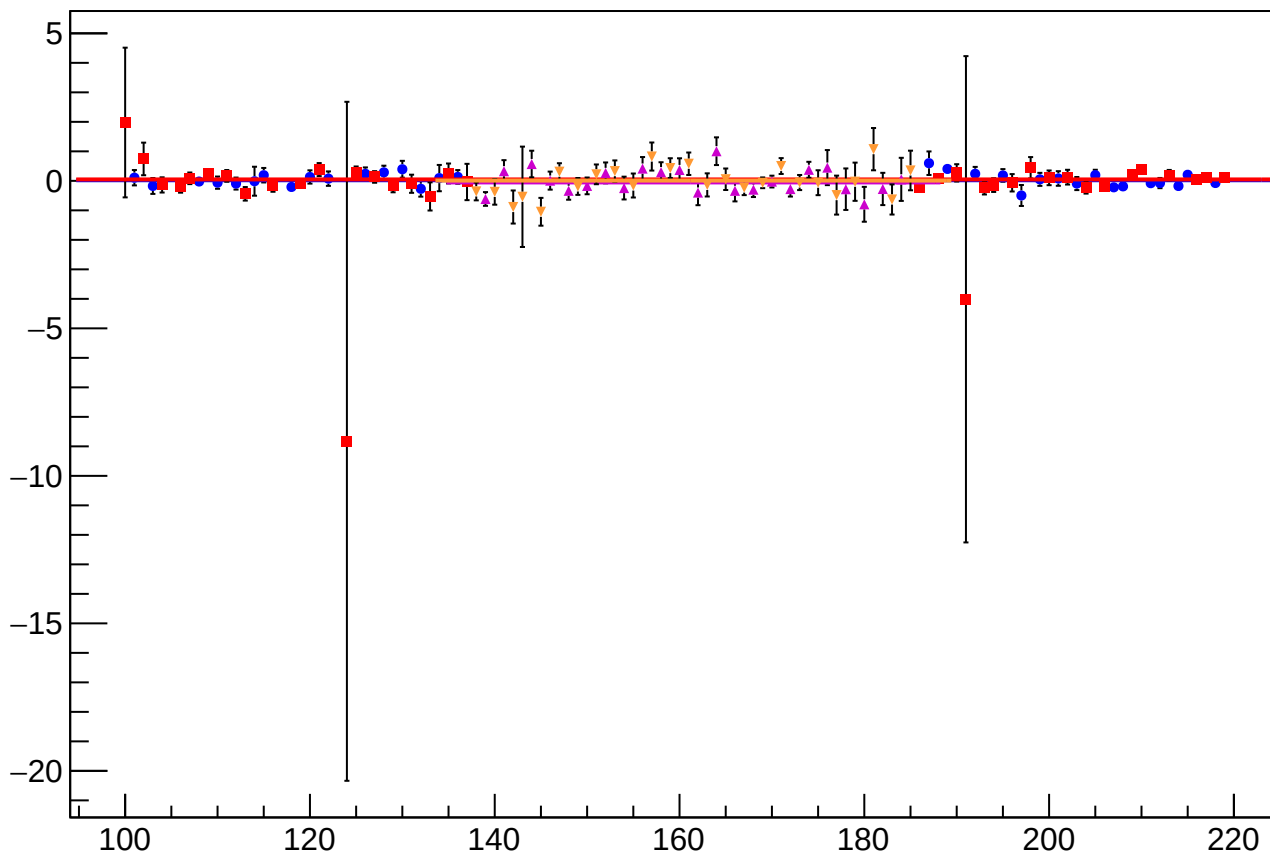
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 177.479+/-0.022 χ^2/NDF : 13318720.8/56

All: 168.589+/-0.015 χ^2/NDF : 29022619.8/1

- sign 160.973+/-0.021 χ^2/NDF : 15409243.8/59

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021 ± 0.035 χ^2/NDF : 31.8/31

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.048 ± 0.032 χ^2/NDF : 41.6/36

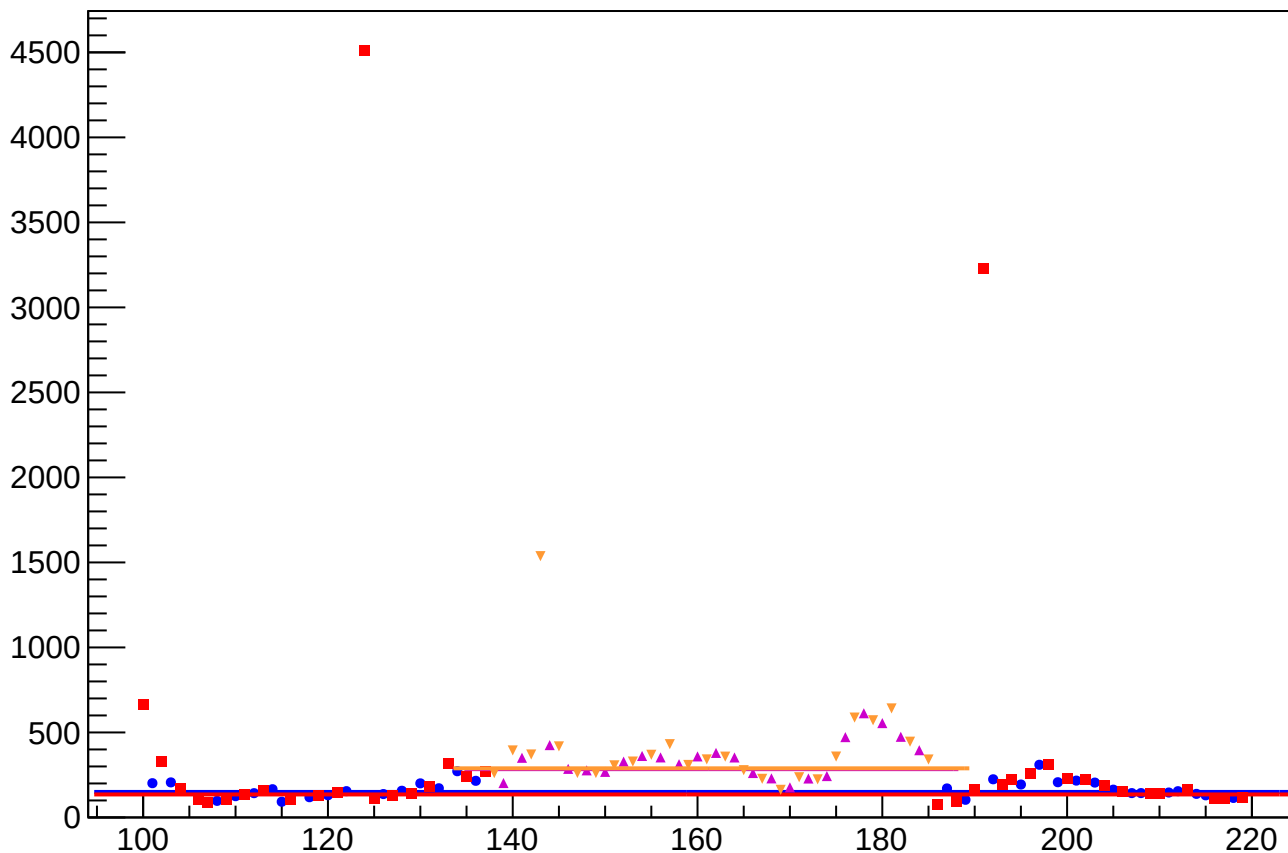
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.018 ± 0.032 χ^2/NDF : 60.7/56

All: 0.025 ± 0.021 χ^2/NDF : 131.8/116

- sign 0.030 ± 0.029 χ^2/NDF : 71.0/59

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 150.055+/-0.025 χ^2/NDF : 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF : 4934505.2/36

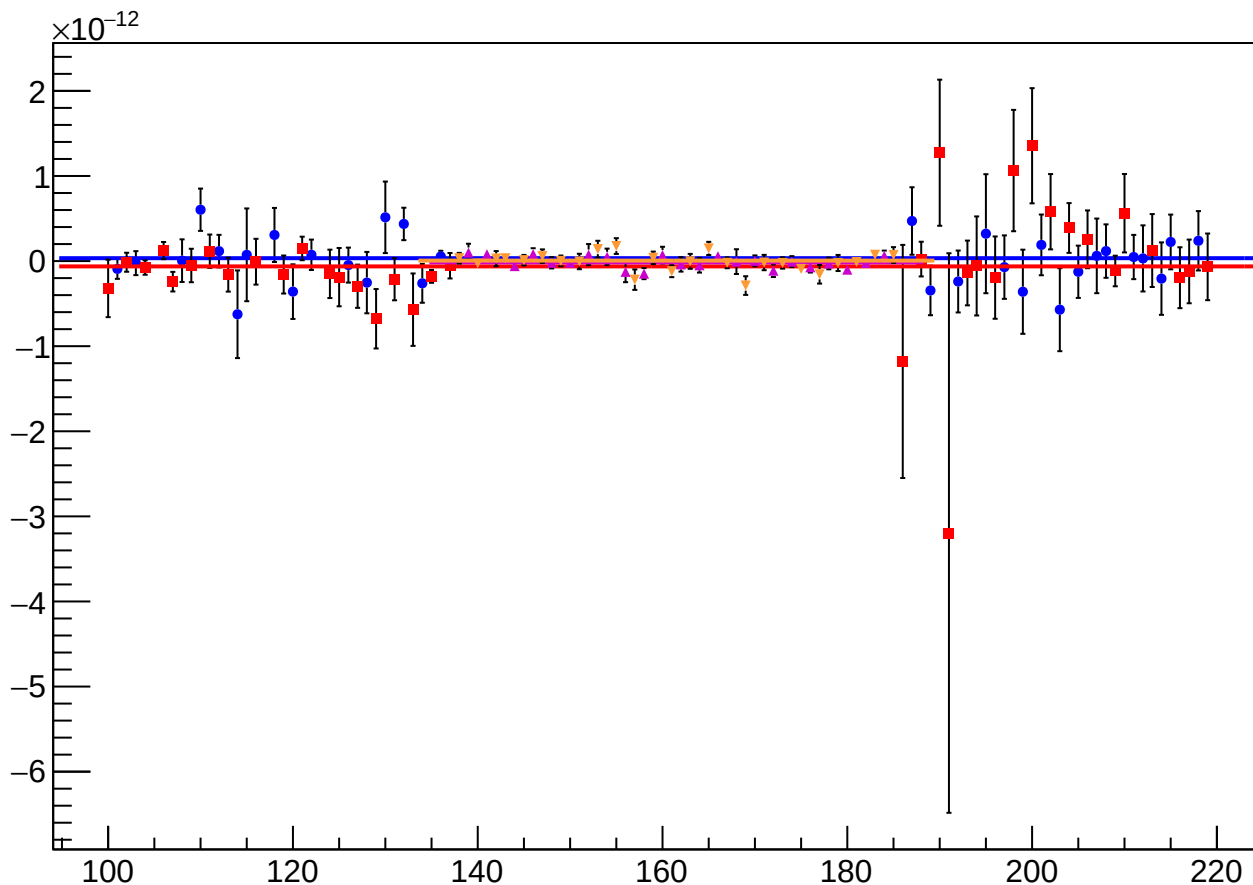
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 177.479+/-0.022 χ^2/NDF : 13318720.8/56

All: 168.589+/-0.015 χ^2/NDF : 29022619.8/1

- sign 160.973+/-0.021 χ^2/NDF : 15409243.8/59

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.5/36

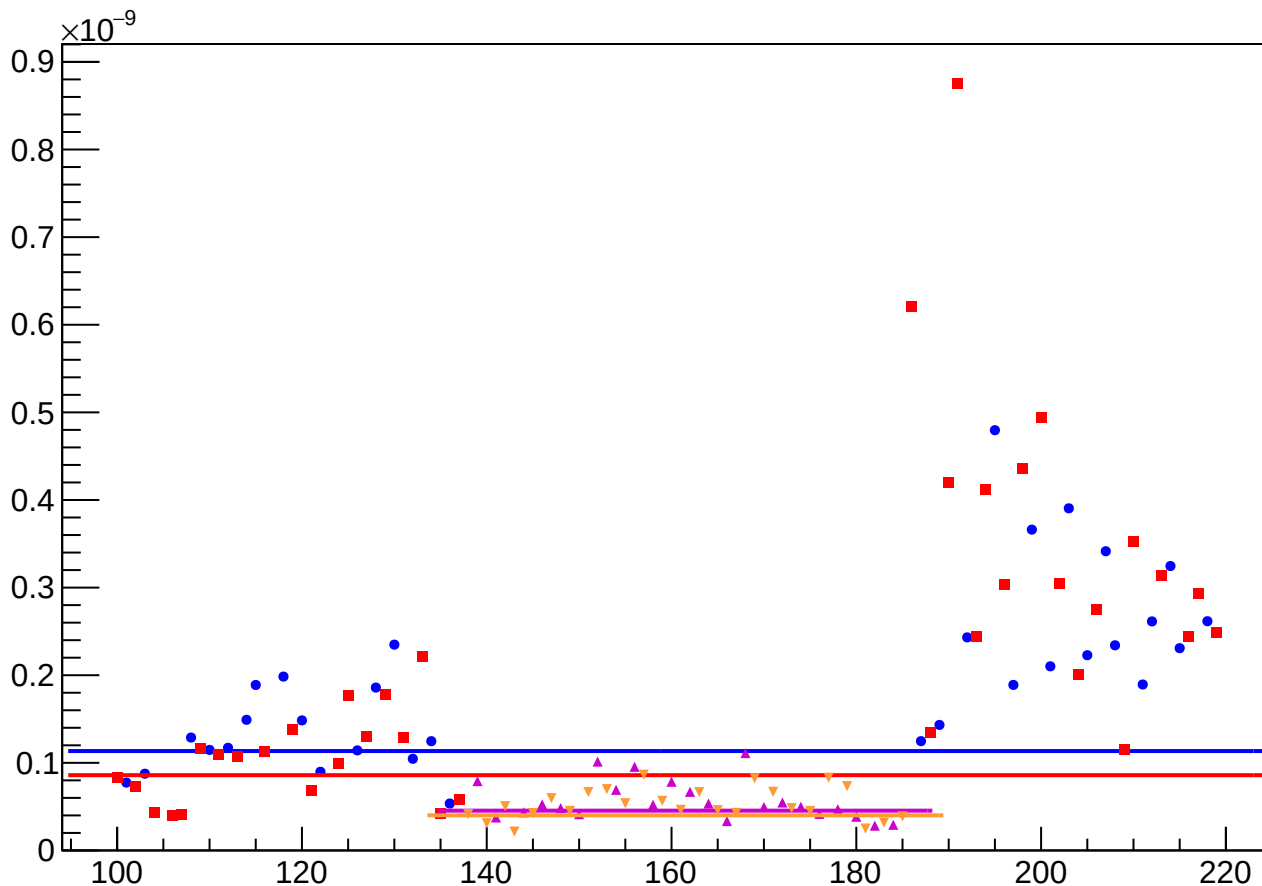
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:23.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.1/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 126.8/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.6/59

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7264038.6/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3609934.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 10373466.1/36

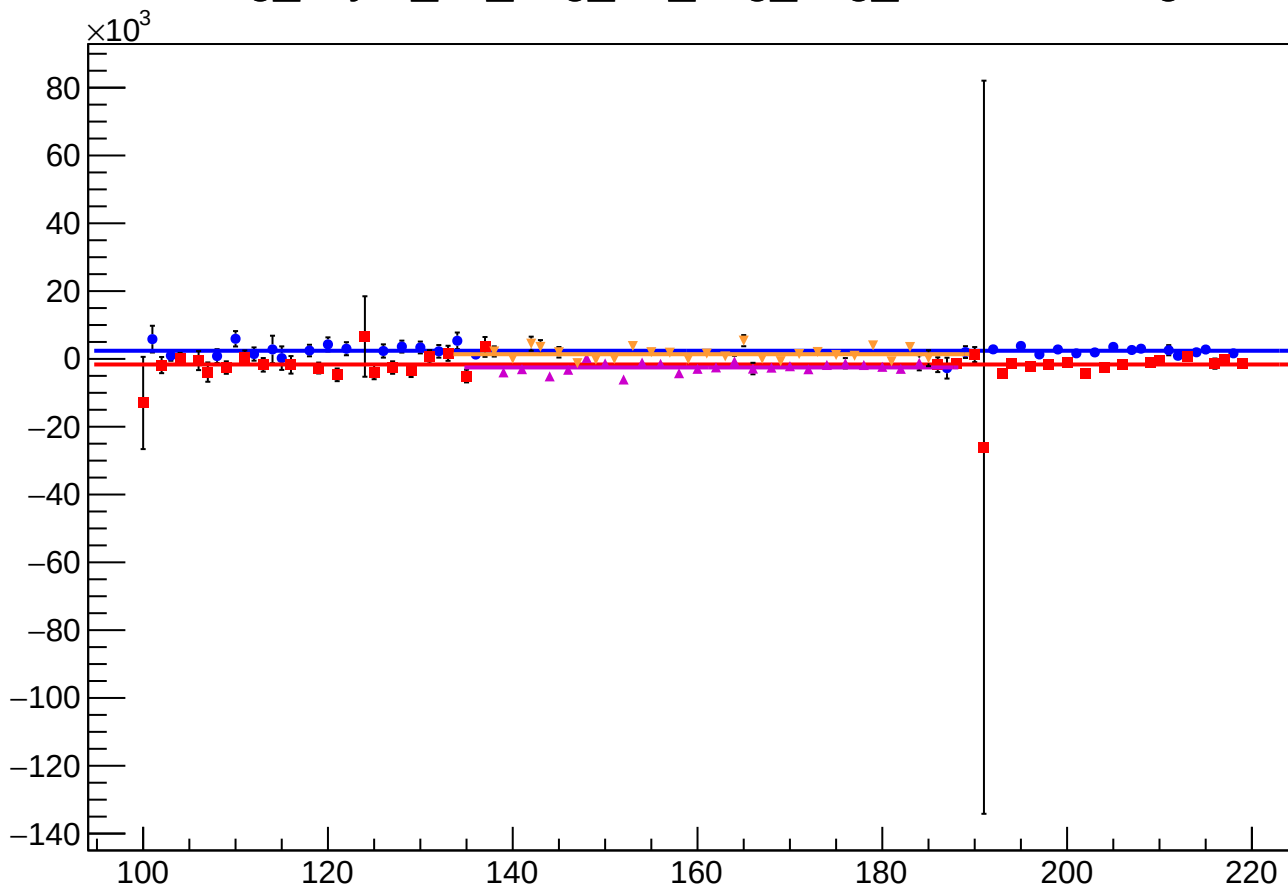
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2780344.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17416399.3/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 33465162.9/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15887395.3/59

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2404.893+/-291.028 χ^2/NDF : 16.6/31

Left Out: 1383.252+/-292.777 χ^2/NDF : 32.9/24

Right Out: -1641.030+/-286.303 χ^2/NDF : 34.4/36

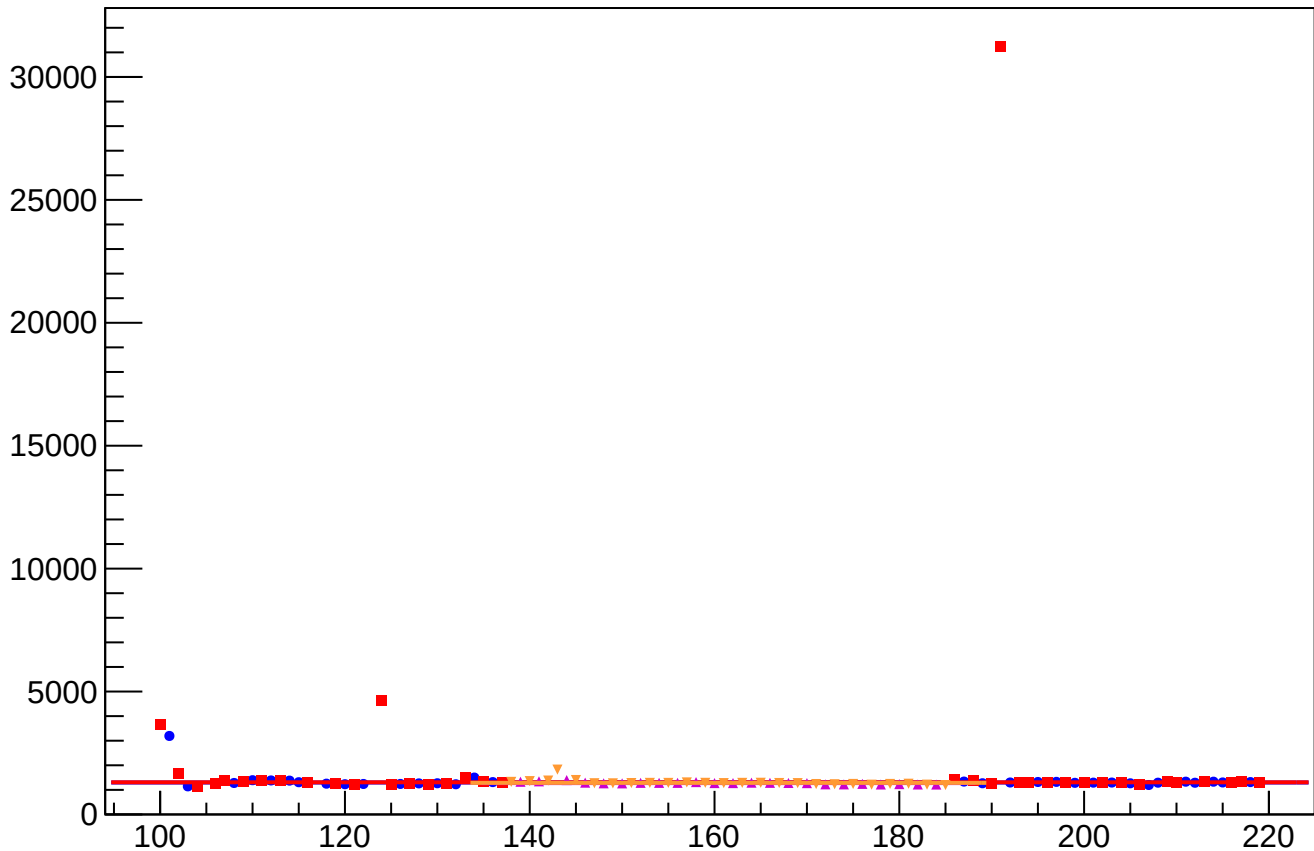
Left In: -2519.365+/-298.095 χ^2/NDF : 22.5/22

+ sign 1897.133+/-206.403 χ^2/NDF : 55.7/56

All: -81.841+/-145.980 χ^2/NDF : 301.0/116

- sign -2062.481+/-206.490 χ^2/NDF : 61.4/59

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1298.831 $\pm$ 0.206 χ^2 /NDF: 535222.9/31

Left Out: 1285.649 $\pm$ 0.207 χ^2 /NDF: 191027.3/24

Right Out: 1307.738 $\pm$ 0.202 χ^2 /NDF: 507123.4/36

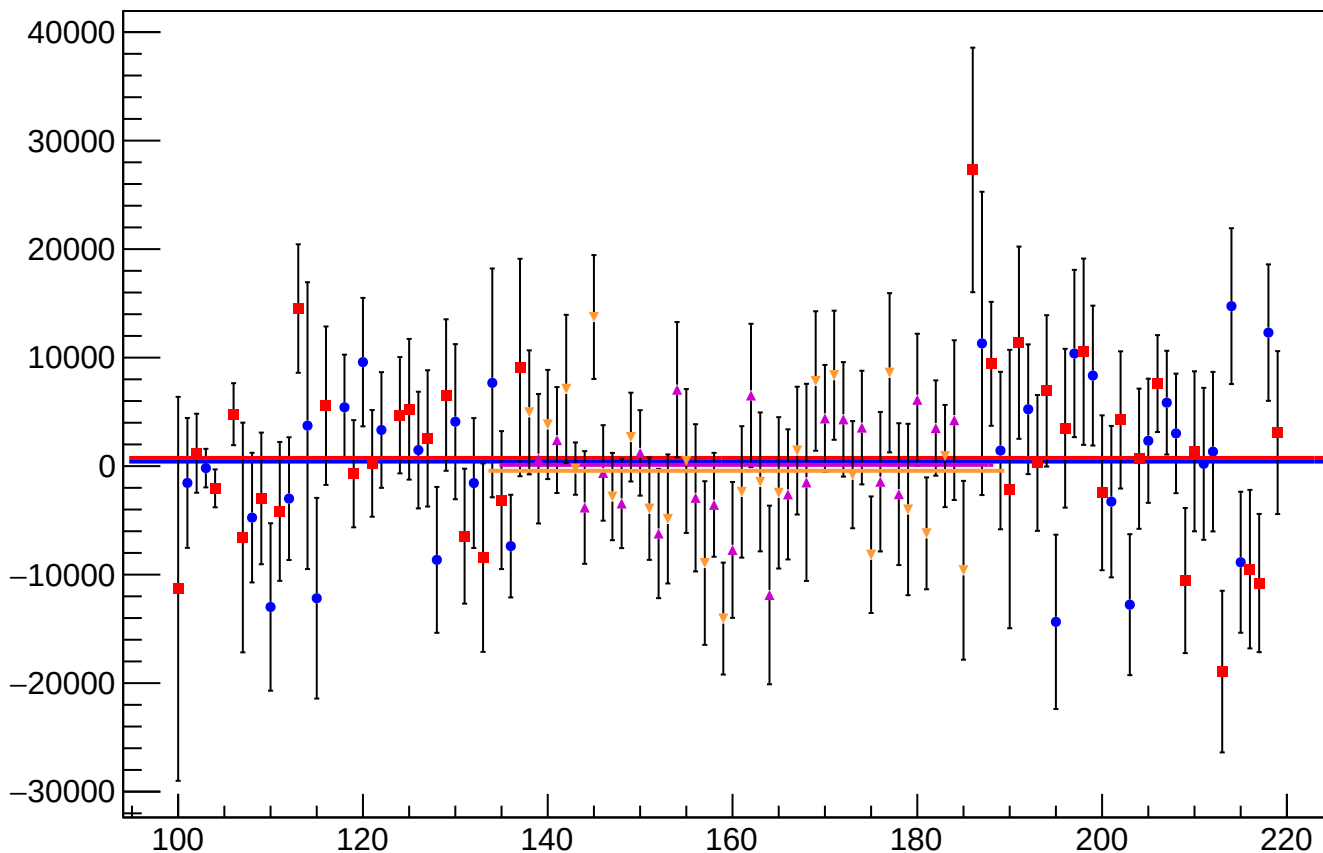
Left In: 1275.941 $\pm$ 0.211 χ^2 /NDF: 41399.0/22

+ sign 1292.280 $\pm$ 0.146 χ^2 /NDF: 728289.6/56

All: 1292.387 $\pm$ 0.103 χ^2 /NDF: 1288660.8/11

- sign 1292.495 $\pm$ 0.146 χ^2 /NDF: 560370.1/59

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug



Right In: 419.981 $\pm$ 966.744 χ^2 /NDF: 38.9/31

Left Out: -428.530 $\pm$ 1038.038 χ^2 /NDF:29.8/24

Right Out: 753.935 $\pm$ 886.655 χ^2 /NDF: 47.4/36

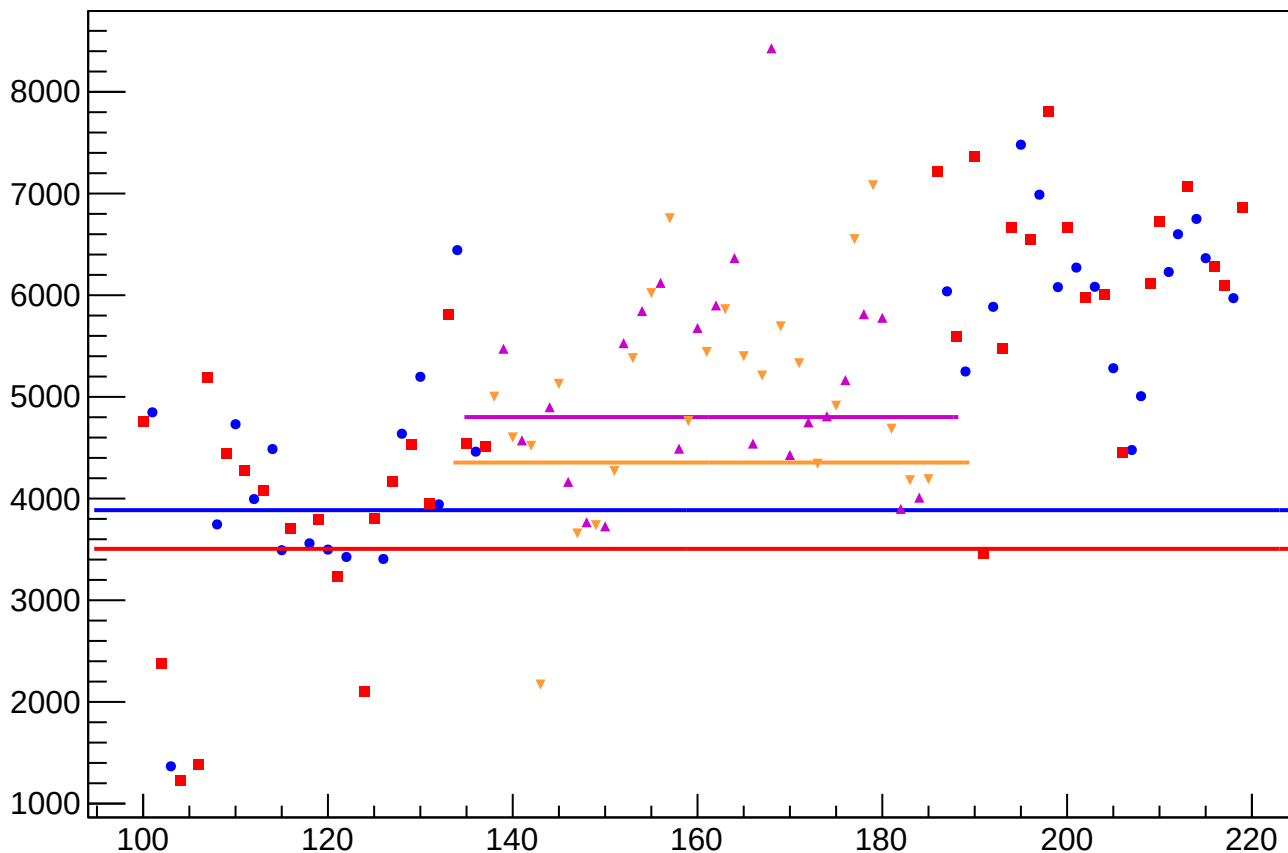
Left In: 119.335 $\pm$ 1144.695 χ^2 /NDF:13.6/22

+ sign 25.862 $\pm$ 707.454 χ^2 /NDF: 69.1/56

All: 273.172 $\pm$ 497.937 χ^2 /NDF: 130.5/116

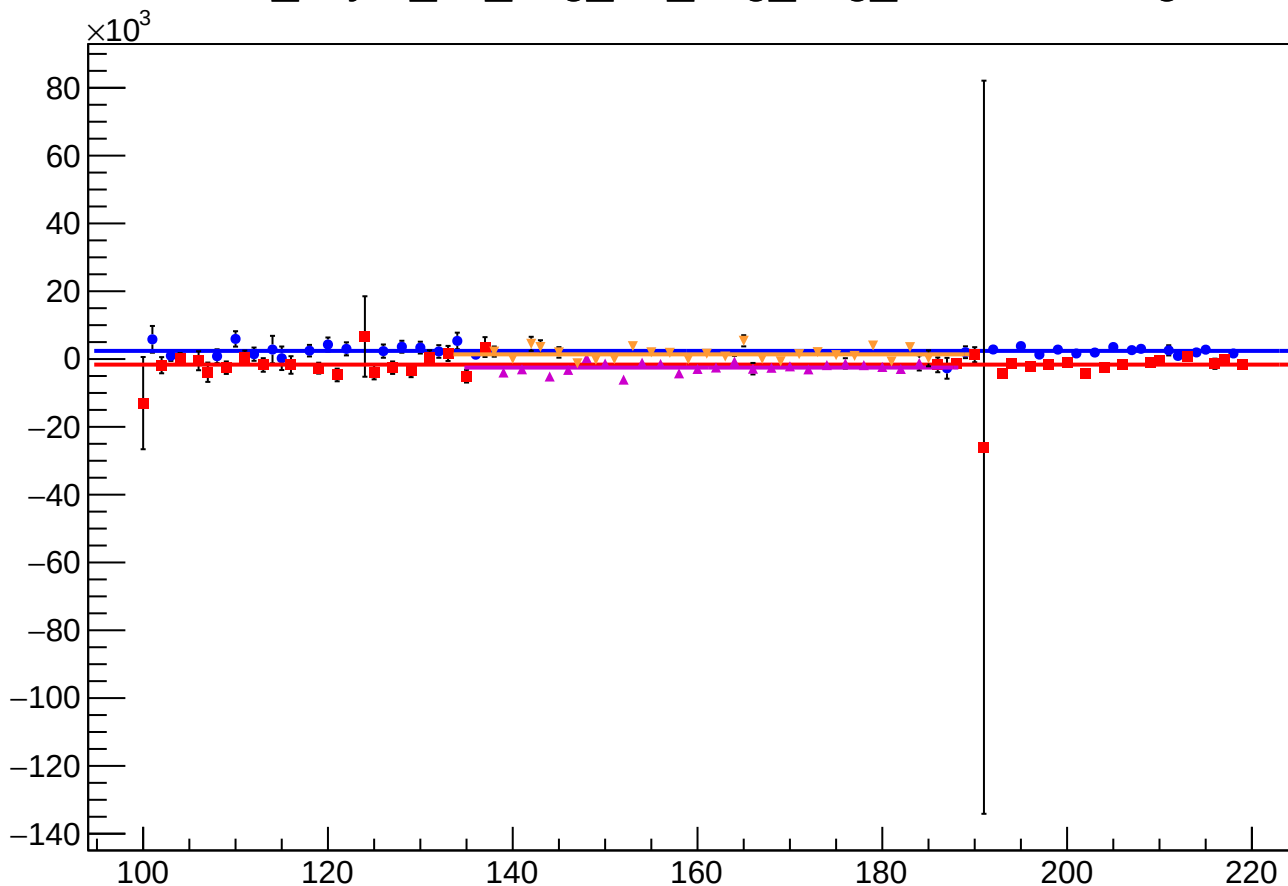
- sign 515.968 $\pm$ 700.969 χ^2 /NDF: 61.2/59

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



Right In: 3885.937 $\pm$ 0.684	χ^2 /NDF: 7718827.9/31	+ sign 4103.589 $\pm$ 0.500	χ^2 /NDF: 11008518.3/56
Left Out: 4354.526 $\pm$ 0.734	χ^2 /NDF: 3071436.3/24	All: 4047.064 $\pm$ 0.352	χ^2 /NDF: 24538128.6/1
Right Out: 3505.594 $\pm$ 0.627	χ^2 /NDF: 10670159.0/36	- sign 3991.571 $\pm$ 0.496	χ^2 /NDF: 13504307.9/59
Left In: 4801.573 $\pm$ 0.809	χ^2 /NDF: 1231883.2/22		

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2404.802 $\pm$ 291.028 χ^2 /NDF: 16.6/31

Left Out: 1383.188 $\pm$ 292.777 χ^2 /NDF: 32.9/24

Right Out: -1640.971 $\pm$ 286.303 χ^2 /NDF: 34.4/36

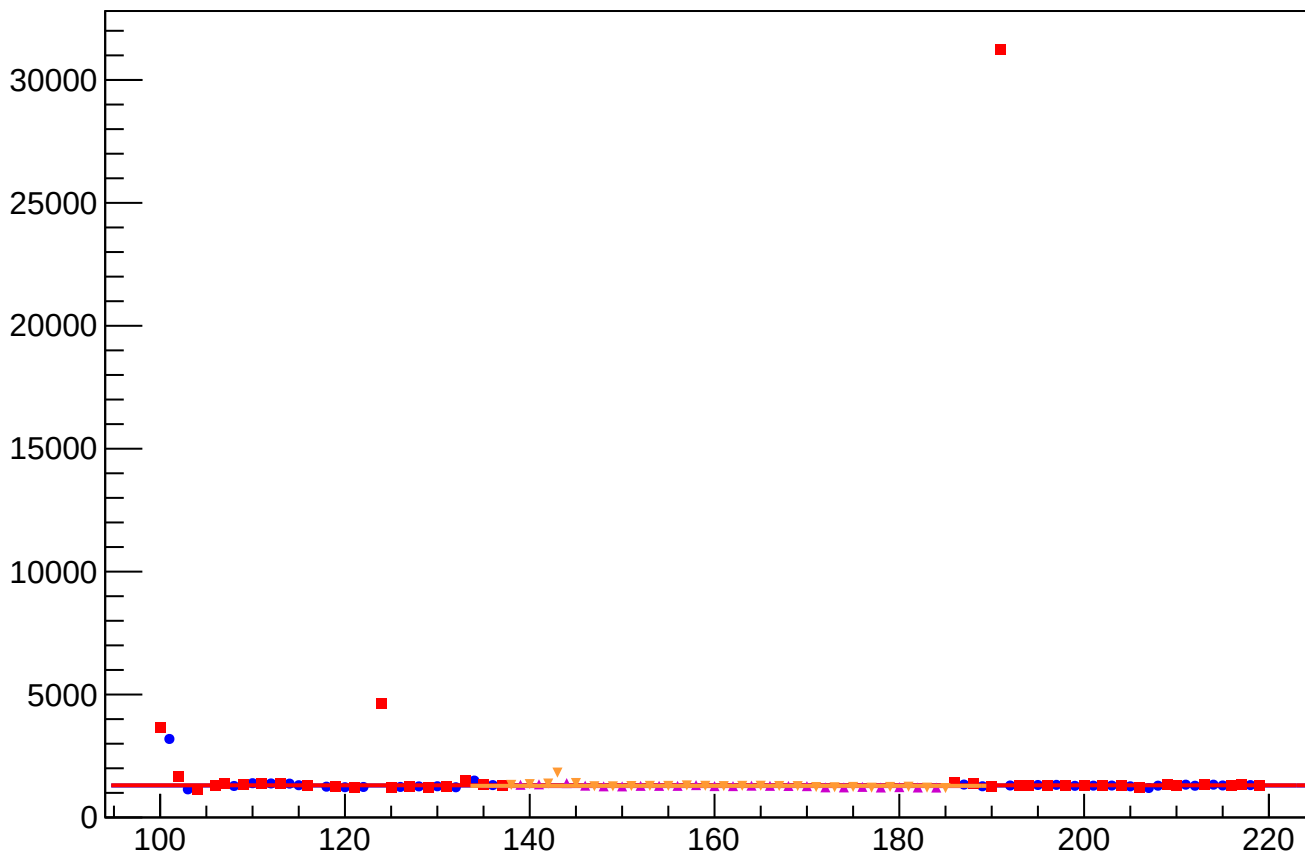
Left In: -2519.366 $\pm$ 298.095 χ^2 /NDF: 22.5/22

+ sign 1897.055 $\pm$ 206.403 χ^2 /NDF: 55.7/56

All: -81.865 $\pm$ 145.980 χ^2 /NDF: 301.0/116

- sign -2062.451 $\pm$ 206.490 χ^2 /NDF: 61.4/59

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1298.831 $\pm$ 0.206 χ^2 /NDF: 535224.4/31

Left Out: 1285.649 $\pm$ 0.207 χ^2 /NDF: 191027.3/24

Right Out: 1308.113 $\pm$ 0.202 χ^2 /NDF: 506789.3/36

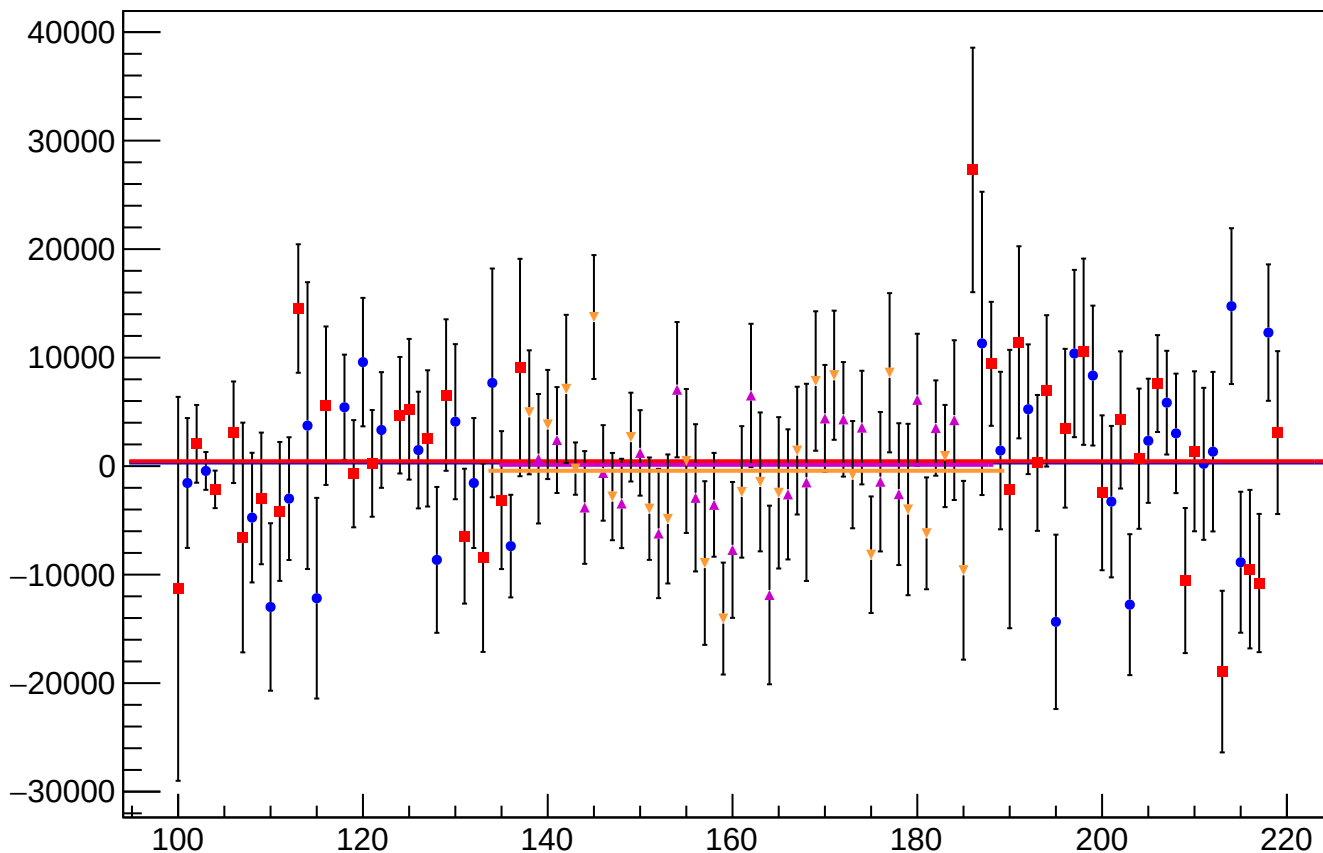
Left In: 1275.941 $\pm$ 0.211 χ^2 /NDF: 41399.0/22

+ sign 1292.280 $\pm$ 0.146 χ^2 /NDF: 728291.0/56

All: 1292.483 $\pm$ 0.103 χ^2 /NDF: 1288608.7/11

- sign 1292.686 $\pm$ 0.146 χ^2 /NDF: 560313.9/59

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug



Right In: 333.499 $\pm$ 961.167 χ^2 /NDF: 39.0/31

Left Out: -428.525 $\pm$ 1038.036 χ^2 /NDF:29.8/24

Right Out: 449.292 $\pm$ 911.556 χ^2 /NDF: 45.9/36

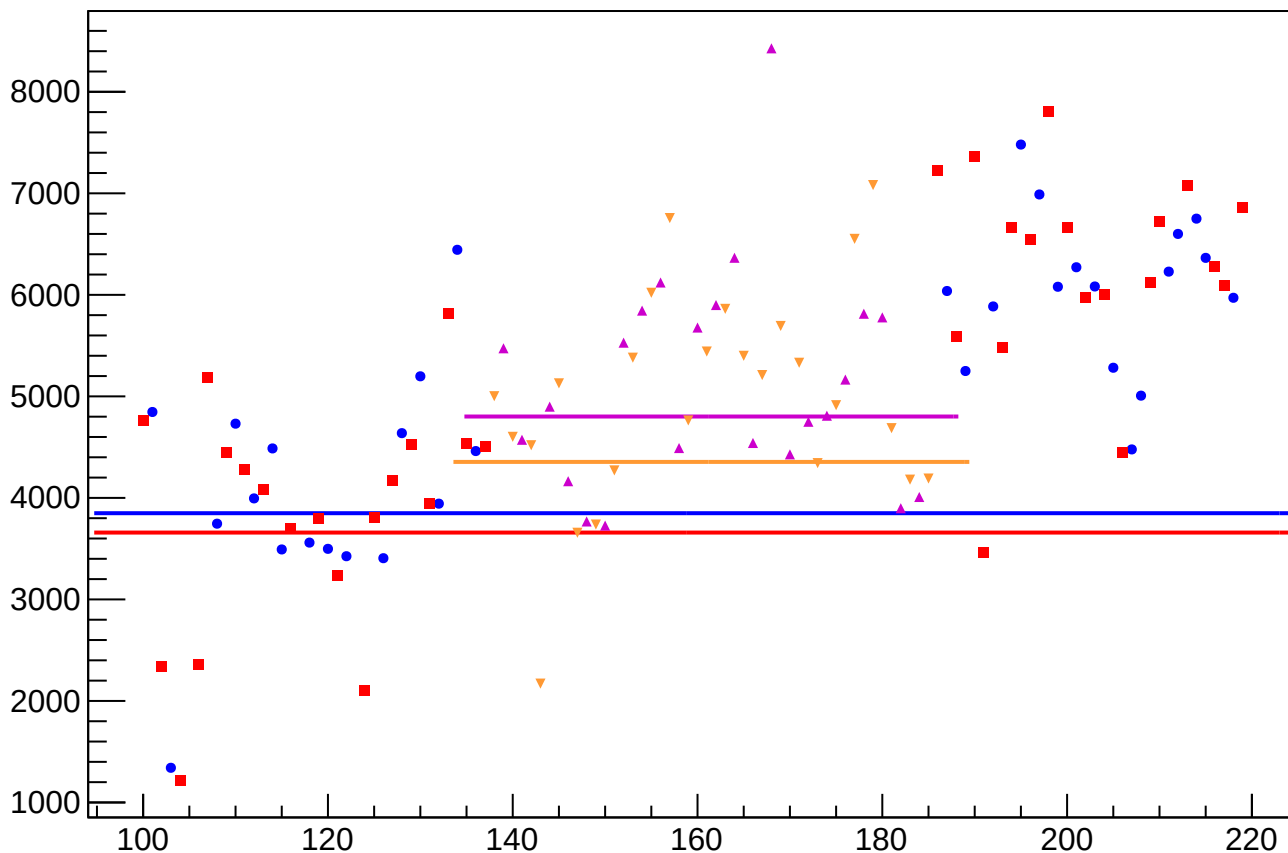
Left In: 119.307 $\pm$ 1144.695 χ^2 /NDF:13.6/22

+ sign -18.257 $\pm$ 705.259 χ^2 /NDF: 69.2/56

All: 149.619 $\pm$ 501.436 χ^2 /NDF: 128.8/116

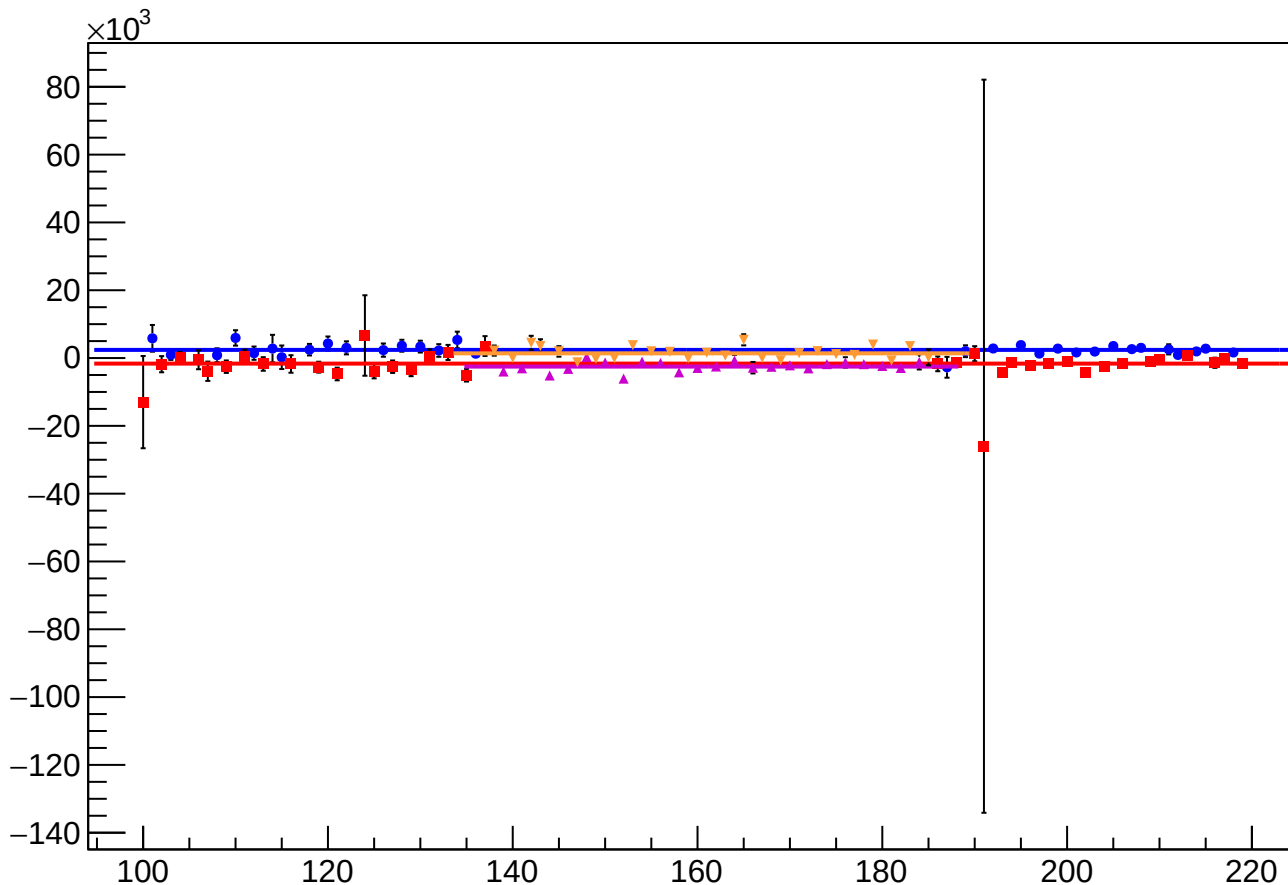
- sign 321.239 $\pm$ 713.080 χ^2 /NDF: 59.6/59

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug



Right In: 3849.280+/-0.680	χ^2/NDF : 7957902.7/31	+ sign 4082.498+/-0.499	χ^2/NDF : 11284516.6/56
Left Out: 4354.511+/-0.734	χ^2/NDF : 3071528.5/24		
Right Out: 3658.517+/-0.645	χ^2/NDF : 9751432.2/36	All: 4092.185+/-0.355	χ^2/NDF : 23488982.0/1
Left In: 4801.570+/-0.809	χ^2/NDF : 1231894.6/22	- sign 4102.088+/-0.504	χ^2/NDF : 12203702.4/59

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2404.802 $\pm$ 291.028 χ^2 /NDF: 16.6/31

Left Out: 1383.188 $\pm$ 292.777 χ^2 /NDF:32.9/24

Right Out: -1640.971 $\pm$ 286.303 χ^2 /NDF: 34.4/36

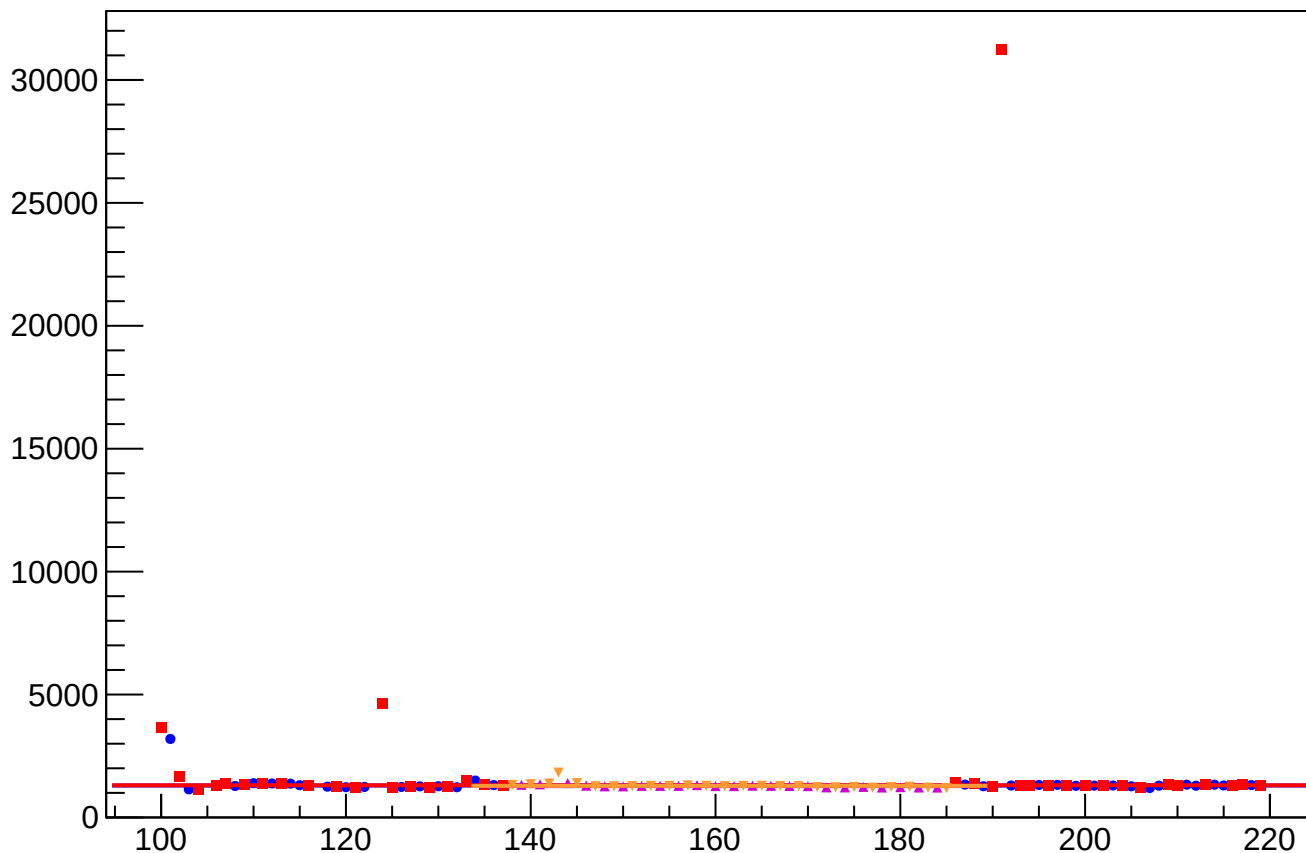
Left In: -2519.366 $\pm$ 298.095 χ^2 /NDF:22.5/22

+ sign 1897.055 $\pm$ 206.403 χ^2 /NDF: 55.7/56

All: -81.865 $\pm$ 145.980 χ^2 /NDF: 301.0/116

- sign -2062.451 $\pm$ 206.490 χ^2 /NDF: 61.4/59

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1298.831+/-0.206 χ^2/NDF : 535224.4/31

Left Out: 1285.649+/-0.207 χ^2/NDF : 191027.3/24

Right Out: 1308.113+/-0.202 χ^2/NDF : 506789.3/36

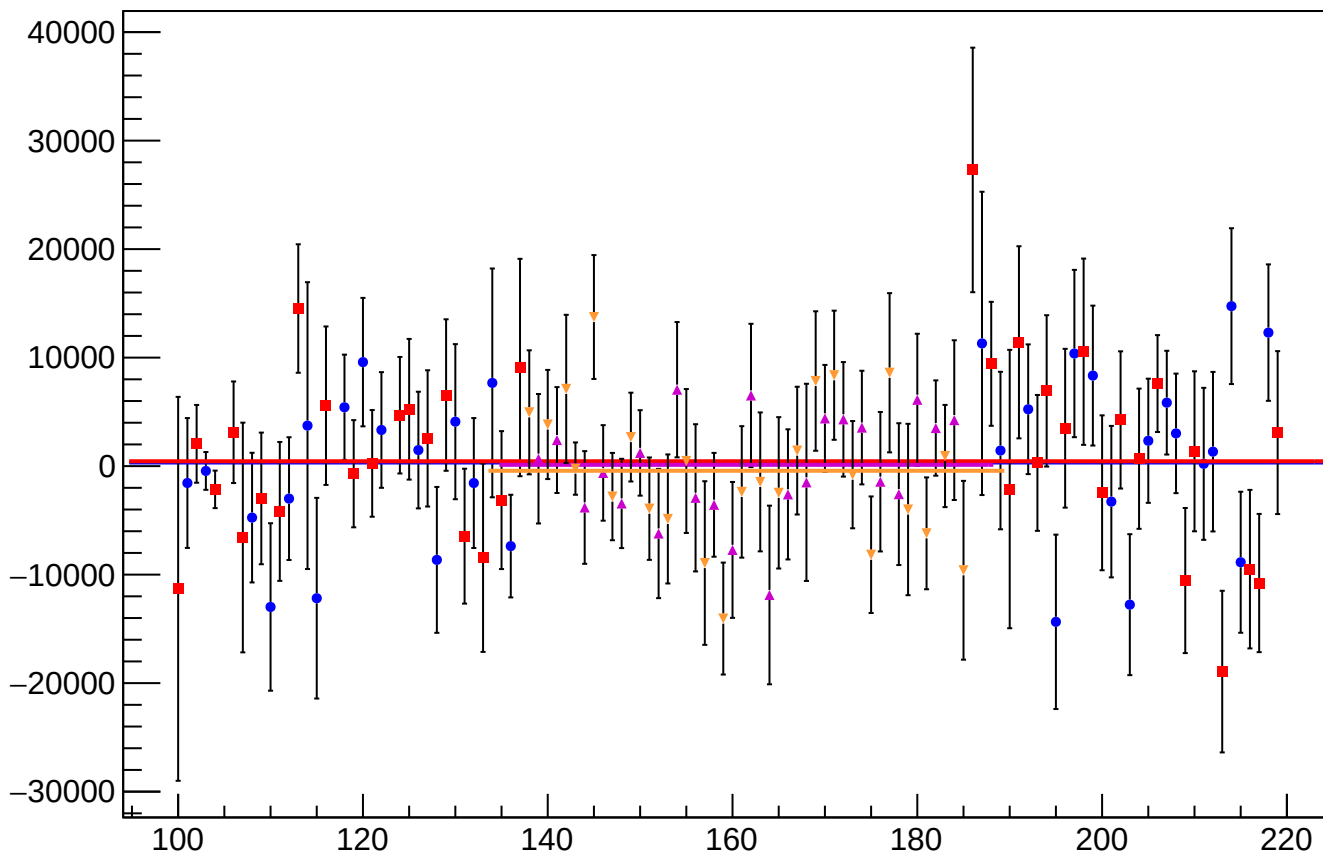
Left In: 1275.941+/-0.211 χ^2/NDF : 41399.0/22

+ sign 1292.280+/-0.146 χ^2/NDF : 728291.0/56

All: 1292.483+/-0.103 χ^2/NDF : 1288608.7/11

- sign 1292.686+/-0.146 χ^2/NDF : 560313.9/59

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: 333.499 $\pm$ 961.167 χ^2 /NDF: 39.0/31

Left Out: -428.525 $\pm$ 1038.036 χ^2 /NDF:29.8/24

Right Out: 449.292 $\pm$ 911.556 χ^2 /NDF: 45.9/36

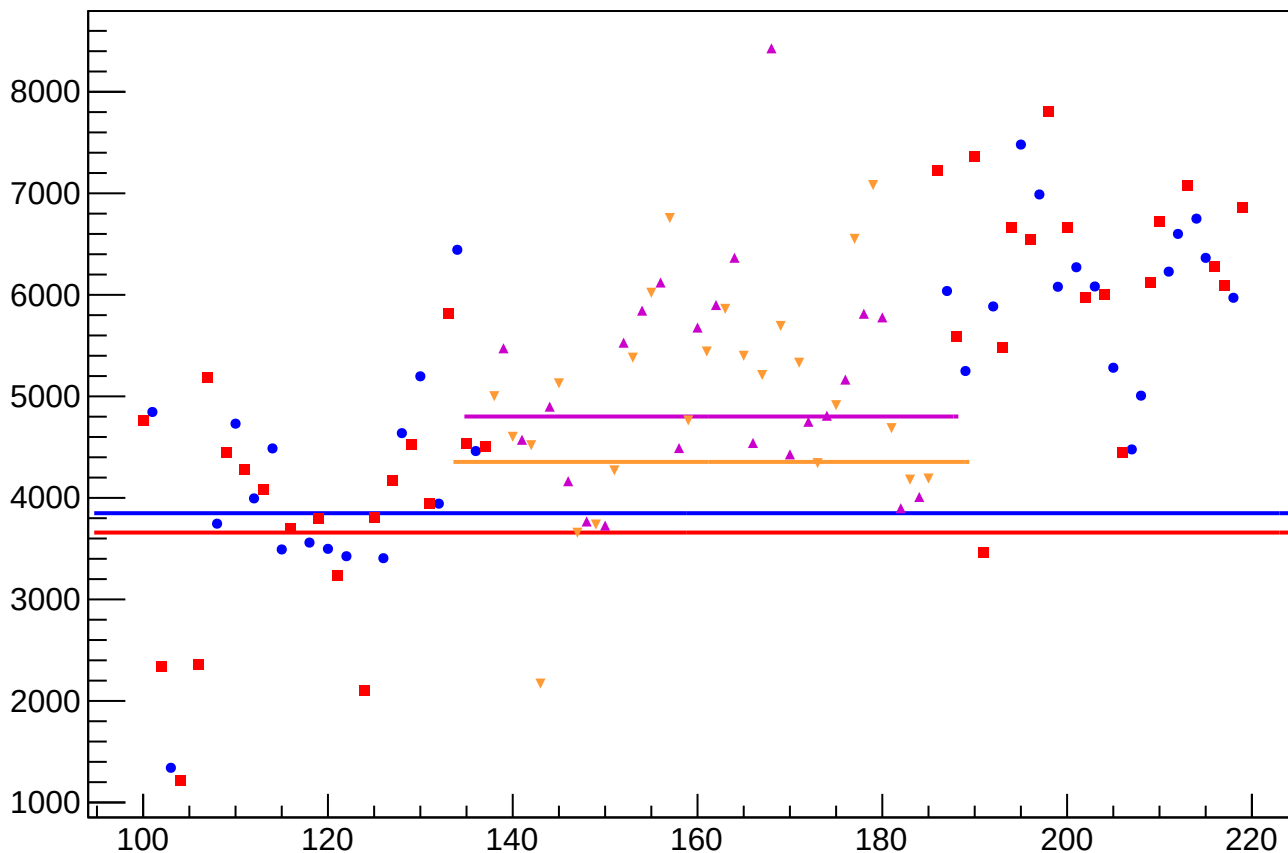
Left In: 119.307 $\pm$ 1144.695 χ^2 /NDF:13.6/22

+ sign -18.257 $\pm$ 705.259 χ^2 /NDF: 69.2/56

All: 149.619 $\pm$ 501.436 χ^2 /NDF: 128.8/116

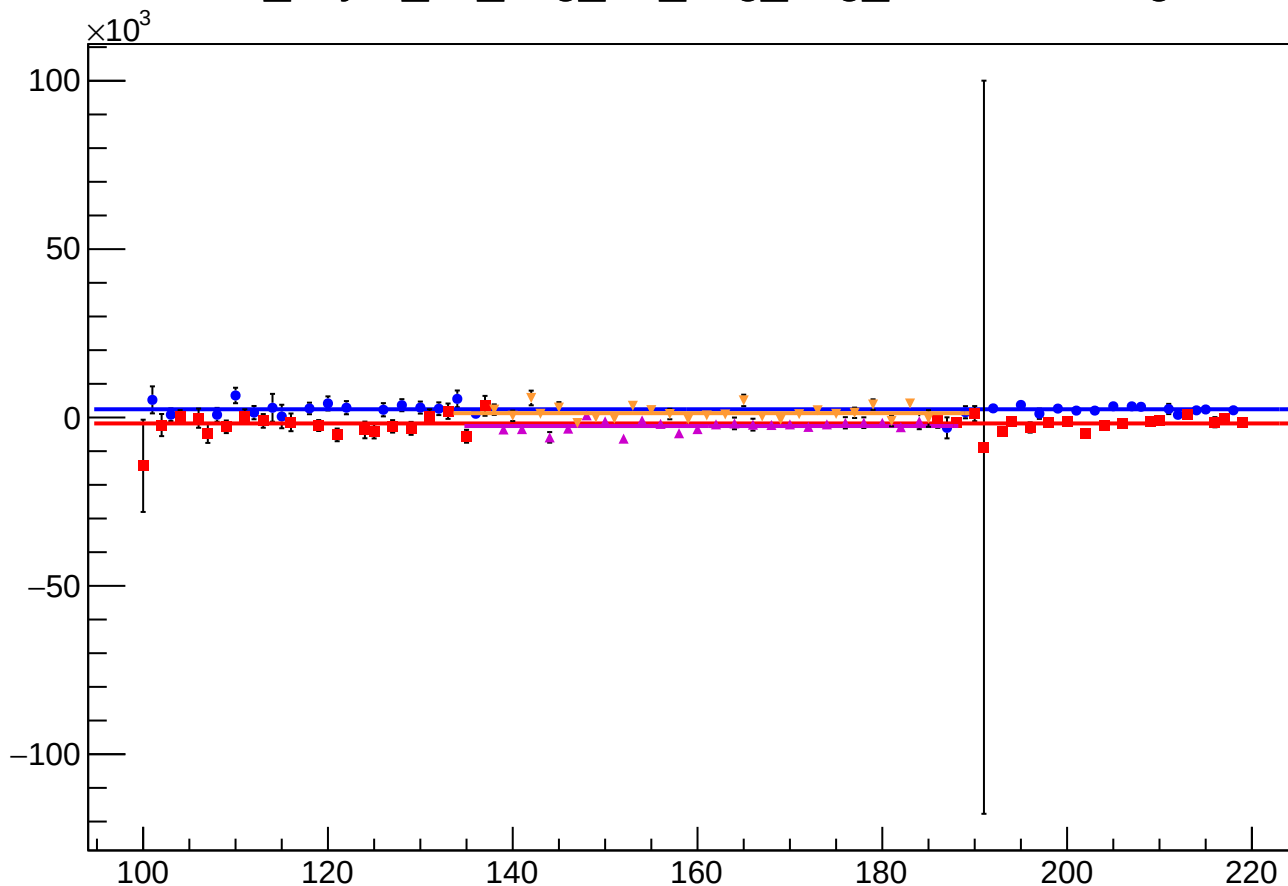
- sign 321.239 $\pm$ 713.080 χ^2 /NDF: 59.6/59

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 3849.280+/-0.680	χ^2/NDF : 7957902.7/31	+ sign 4082.498+/-0.499	χ^2/NDF : 11284516.6/56
Left Out: 4354.511+/-0.734	χ^2/NDF : 3071528.5/24		
Right Out: 3658.517+/-0.645	χ^2/NDF : 9751432.2/36	All: 4092.185+/-0.355	χ^2/NDF : 23488982.0/1
Left In: 4801.570+/-0.809	χ^2/NDF : 1231894.6/22	- sign 4102.088+/-0.504	χ^2/NDF : 12203702.4/59

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2446.756 $\pm$ 297.935 χ^2 /NDF: 17.0/31

Left Out: 1284.422 $\pm$ 300.530 χ^2 /NDF: 33.4/24

Right Out: -1763.057 $\pm$ 291.827 χ^2 /NDF: 36.1/36

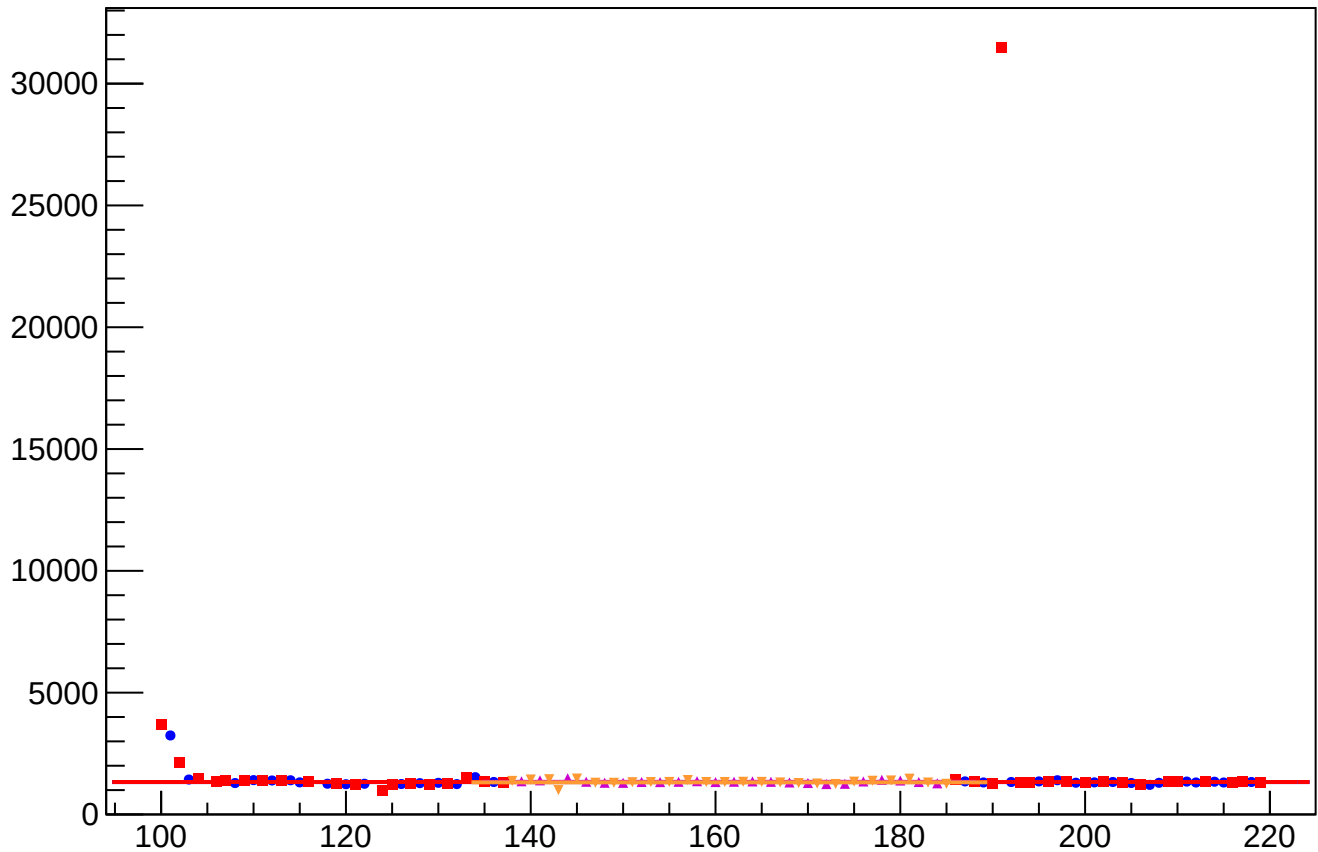
Left In: -2531.791 $\pm$ 312.886 χ^2 /NDF: 25.0/22

+ sign 1870.627 $\pm$ 211.583 χ^2 /NDF: 58.0/56

All: -107.875 $\pm$ 150.254 χ^2 /NDF: 298.7/116

- sign -2120.685 $\pm$ 213.410 χ^2 /NDF: 64.3/59

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.498 $\pm$ 0.211 χ^2 /NDF: 523413.9/31

Left Out: 1318.174 $\pm$ 0.213 χ^2 /NDF: 248547.7/24

Right Out: 1331.739 $\pm$ 0.206 χ^2 /NDF: 450004.0/36

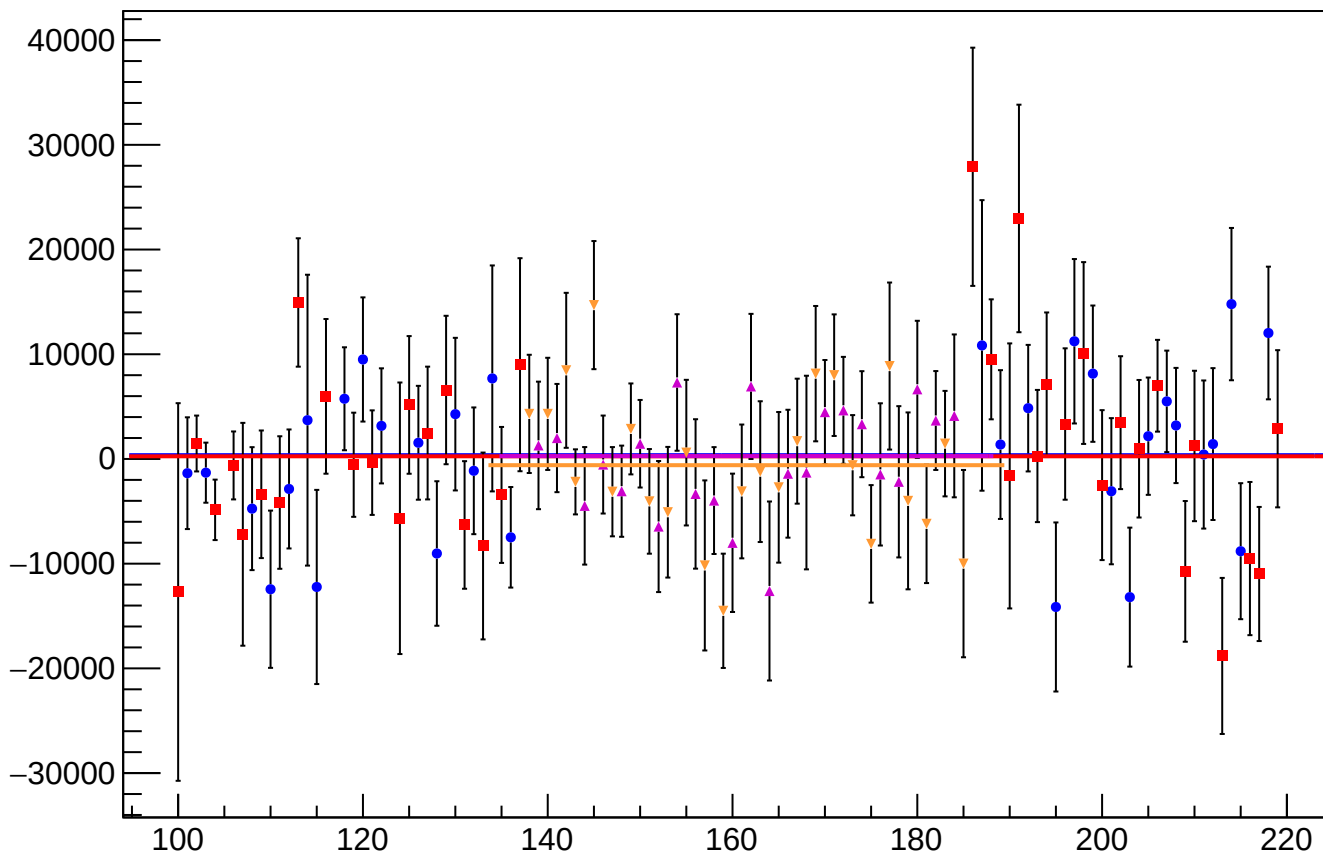
Left In: 1338.602 $\pm$ 0.221 χ^2 /NDF: 54248.5/22

+ sign 1323.885 $\pm$ 0.150 χ^2 /NDF: 773393.5/56

All: 1329.361 $\pm$ 0.106 χ^2 /NDF: 1280863.2/11

- sign 1334.931 $\pm$ 0.151 χ^2 /NDF: 504767.1/59

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug



Right In: 362.318 $\pm$ 1071.012 χ^2 /NDF: 38.5/31

Left Out: -594.916 $\pm$ 1122.287 χ^2 /NDF:29.5/24

Right Out: 252.811 $\pm$ 969.958 χ^2 /NDF: 48.9/36

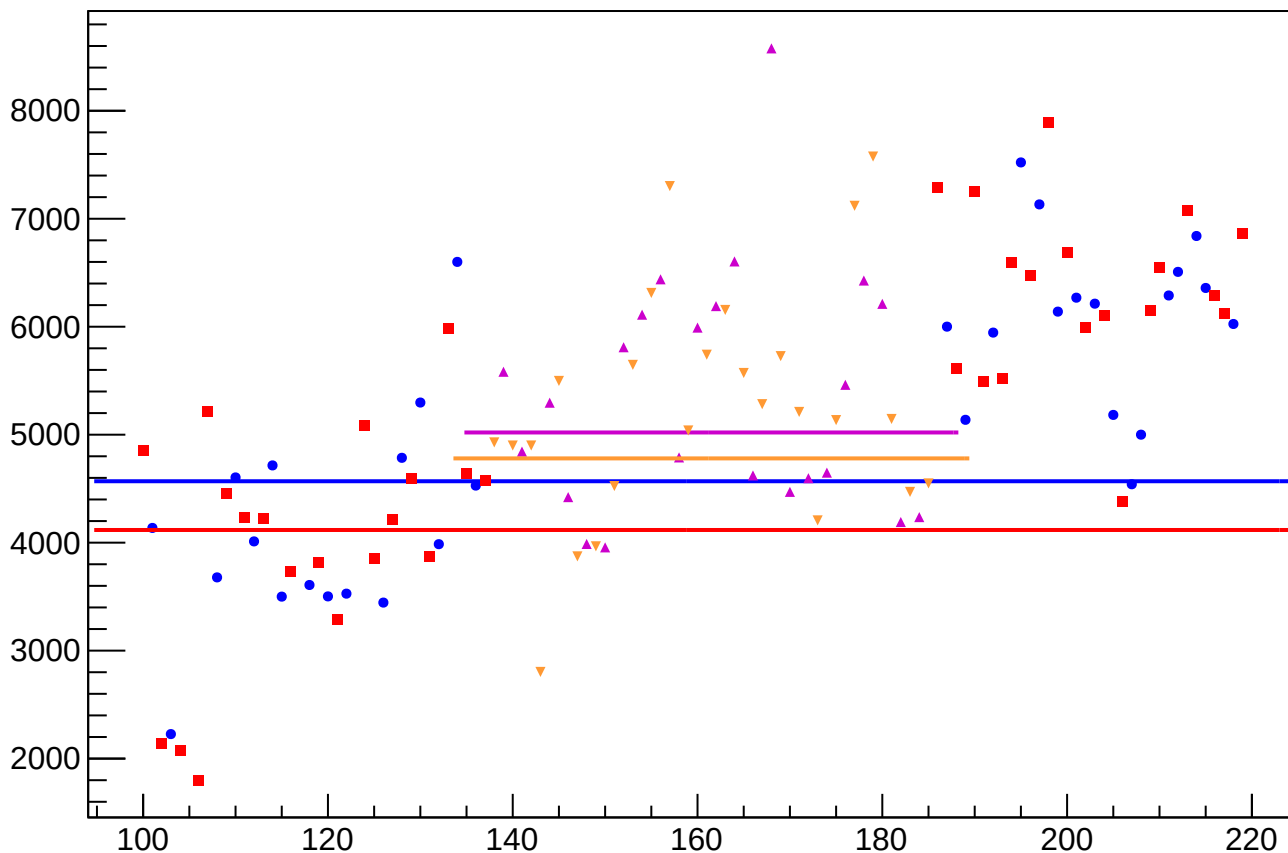
Left In: 272.915 $\pm$ 1196.804 χ^2 /NDF:13.4/22

+ sign -93.933 $\pm$ 774.813 χ^2 /NDF: 68.4/56

All: 88.357 $\pm$ 540.201 χ^2 /NDF: 130.8/116

- sign 260.781 $\pm$ 753.551 χ^2 /NDF: 62.3/59

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 4568.841 $\pm$ 0.757 χ^2 /NDF: 3574556.4/31

Left Out: 4780.396 $\pm$ 0.794 χ^2 /NDF: 2006245.3/24

Right Out: 4117.376 $\pm$ 0.686 χ^2 /NDF: 6739303.3/36

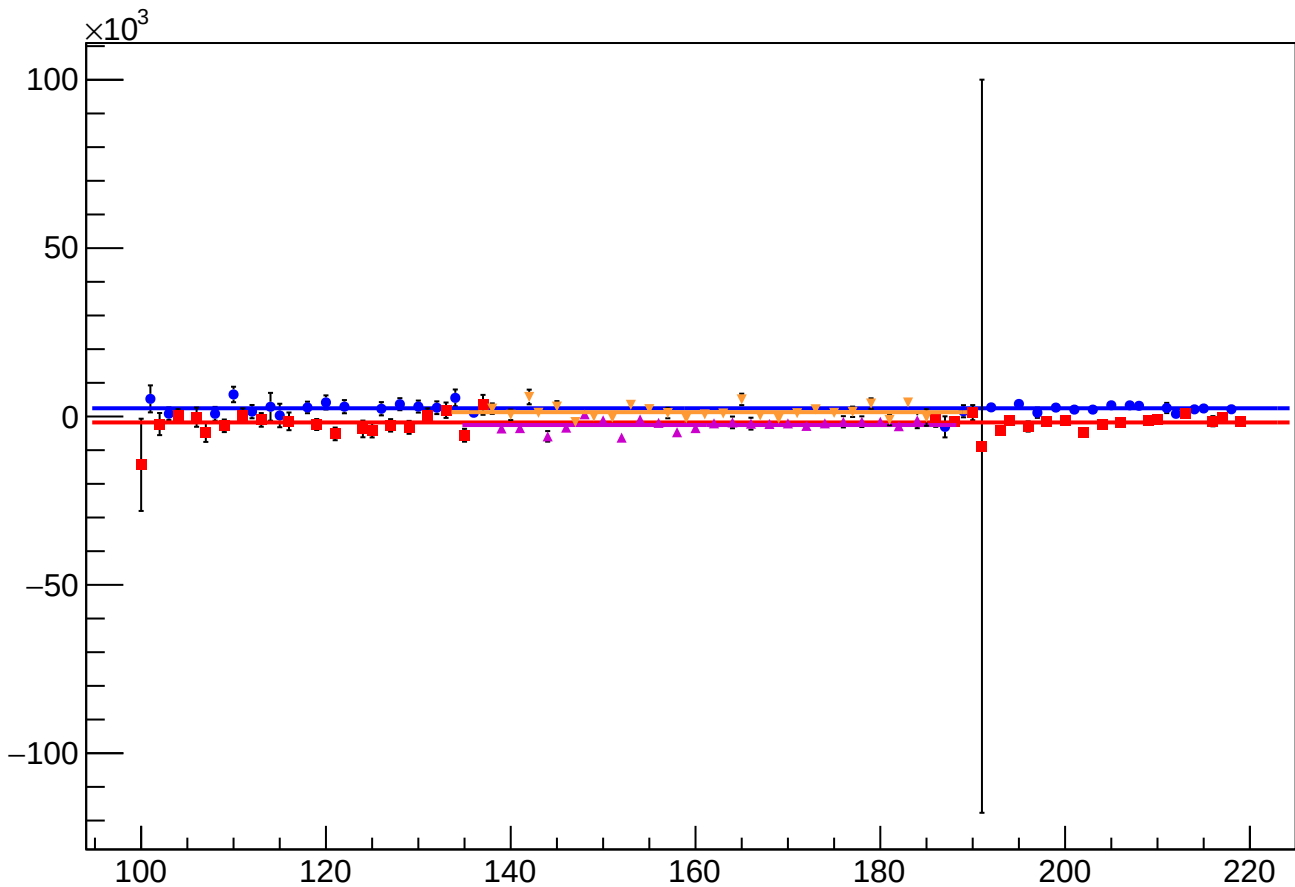
Left In: 5020.560 $\pm$ 0.846 χ^2 /NDF: 1225091.9/22

+ sign 4669.675 $\pm$ 0.548 χ^2 /NDF: 5617995.7/56

All: 4569.854 $\pm$ 0.382 χ^2 /NDF: 14334458.5/1

- sign 4475.436 $\pm$ 0.533 χ^2 /NDF: 8651867.8/59

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2446.752 $\pm$ 297.935 χ^2 /NDF: 17.0/31

Left Out: 1284.416 $\pm$ 300.530 χ^2 /NDF: 33.4/24

Right Out: -1763.055 $\pm$ 291.827 χ^2 /NDF: 36.1/36

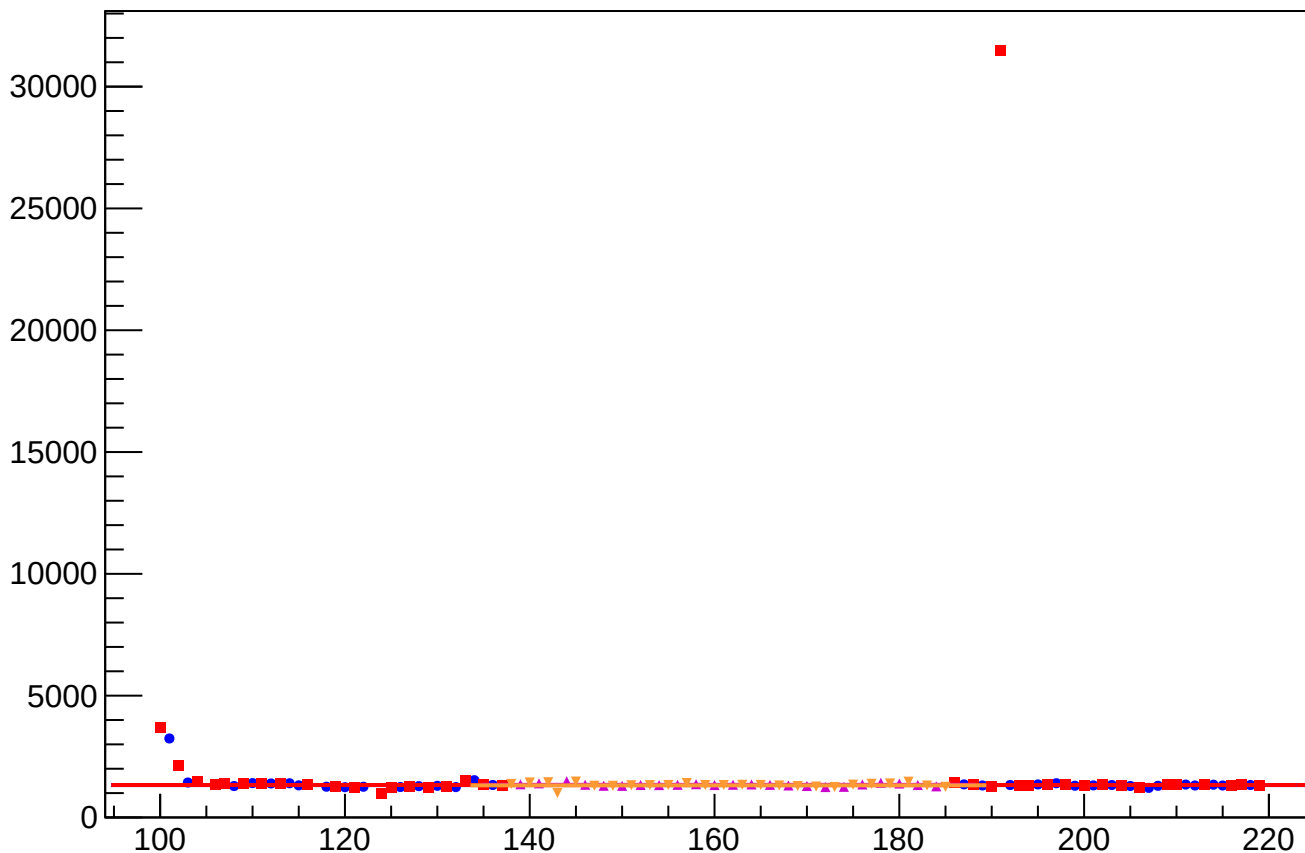
Left In: -2531.791 $\pm$ 312.887 χ^2 /NDF: 25.0/22

+ sign 1870.624 $\pm$ 211.583 χ^2 /NDF: 58.0/56

All: -107.876 $\pm$ 150.254 χ^2 /NDF: 298.7/116

- sign -2120.683 $\pm$ 213.410 χ^2 /NDF: 64.3/59

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.497+/-0.211 χ^2 /NDF: 523414.0/31

Left Out: 1318.176+/-0.213 χ^2 /NDF: 248550.2/24

Right Out: 1331.739+/-0.206 χ^2 /NDF: 450003.0/36

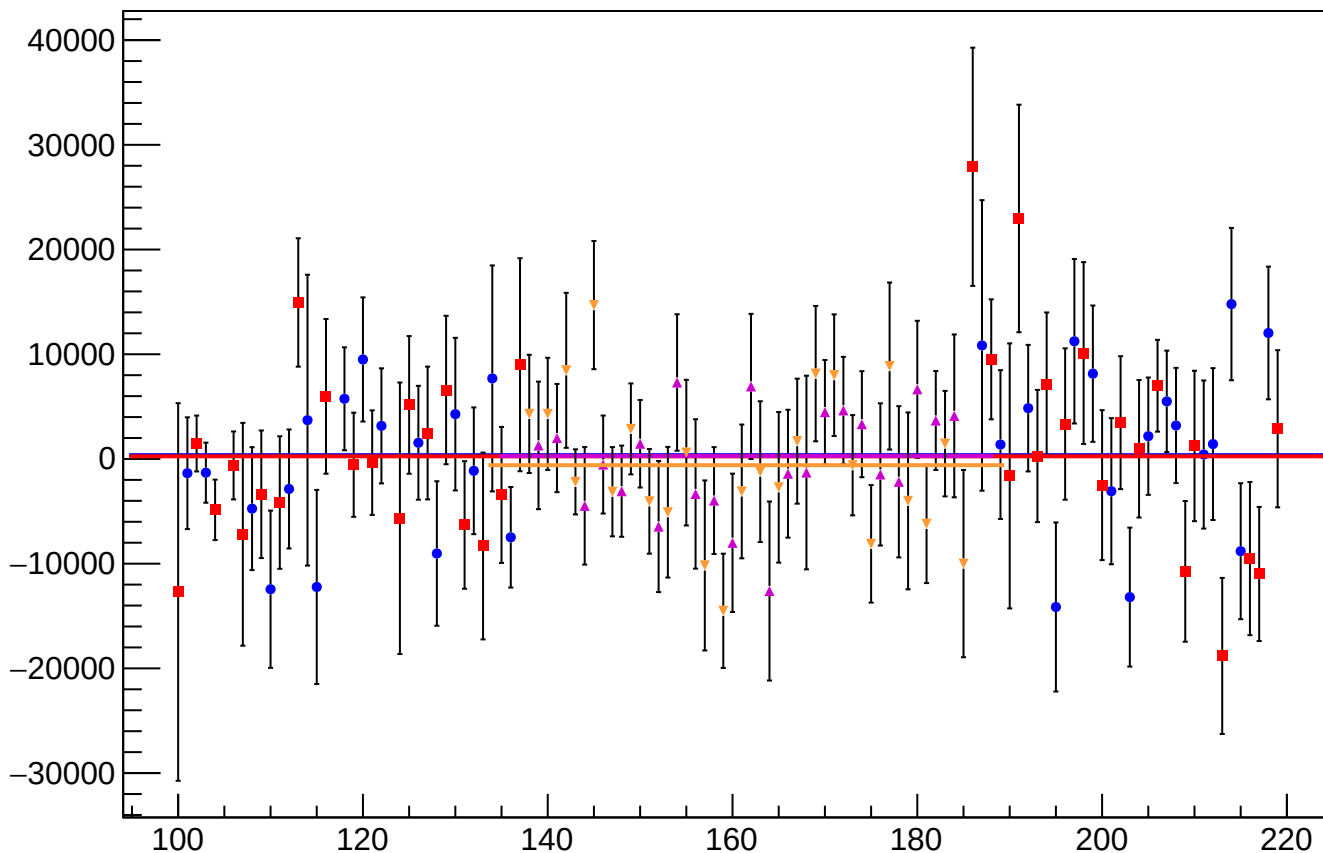
Left In: 1338.604+/-0.221 χ^2 /NDF: 54251.0/22

+ sign 1323.886+/-0.150 χ^2 /NDF: 773395.8/56

All: 1329.362+/-0.106 χ^2 /NDF: 1280867.3/11

- sign 1334.932+/-0.151 χ^2 /NDF: 504768.9/59

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: 362.318 ± 1071.011 $\chi^2/\text{NDF}: 38.5/31$

Left Out: -594.920 ± 1122.288 $\chi^2/\text{NDF}: 29.5/24$

Right Out: 252.807 ± 969.957 $\chi^2/\text{NDF}: 48.9/36$

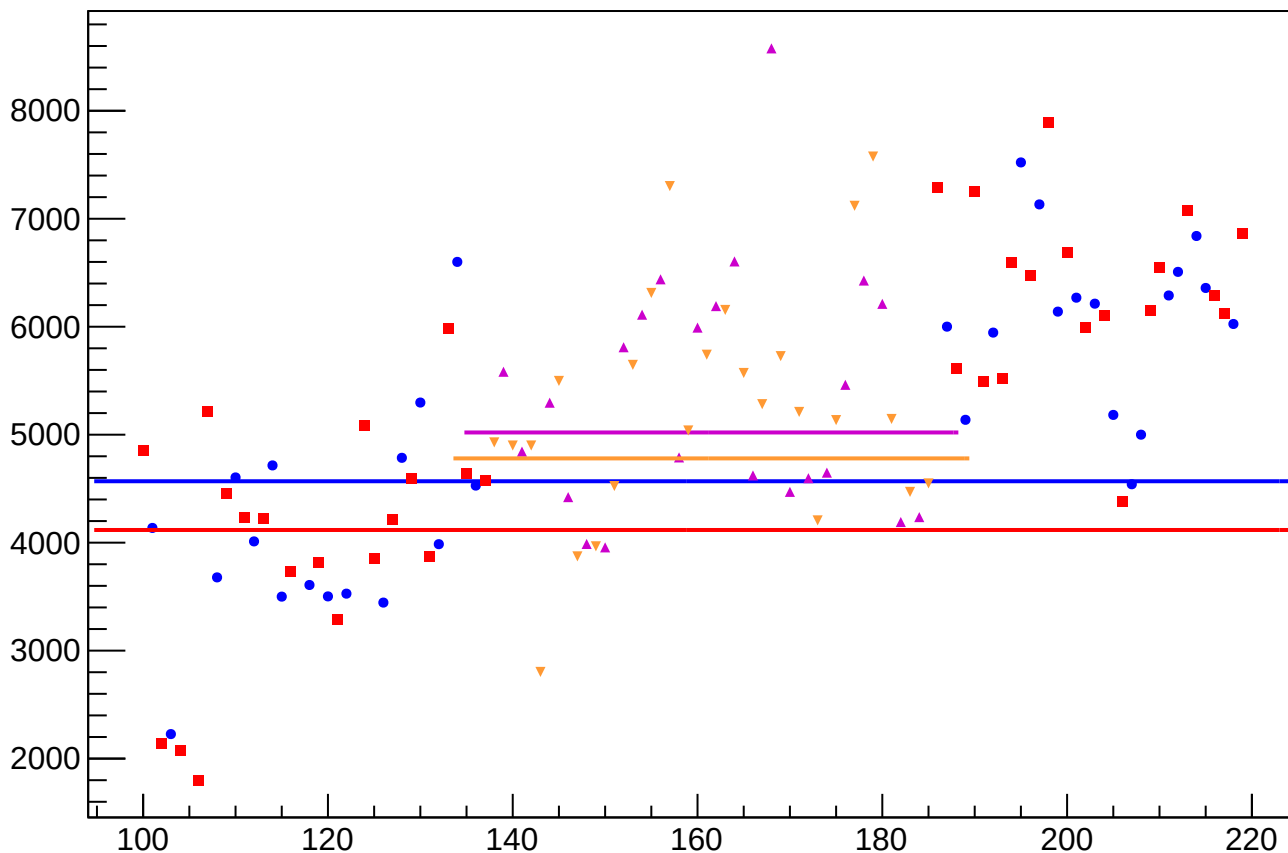
Left In: 272.917 ± 1196.806 $\chi^2/\text{NDF}: 13.4/22$

+ sign -93.934 ± 774.813 $\chi^2/\text{NDF}: 68.4/56$

All: 88.356 ± 540.201 $\chi^2/\text{NDF}: 130.8/116$

- sign 260.779 ± 753.551 $\chi^2/\text{NDF}: 62.3/59$

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 4568.836 $\pm$ 0.757 χ^2 /NDF: 3574595.0/31

Left Out: 4780.404 $\pm$ 0.794 χ^2 /NDF: 2006246.8/24

Right Out: 4117.368 $\pm$ 0.686 χ^2 /NDF: 6739353.9/36

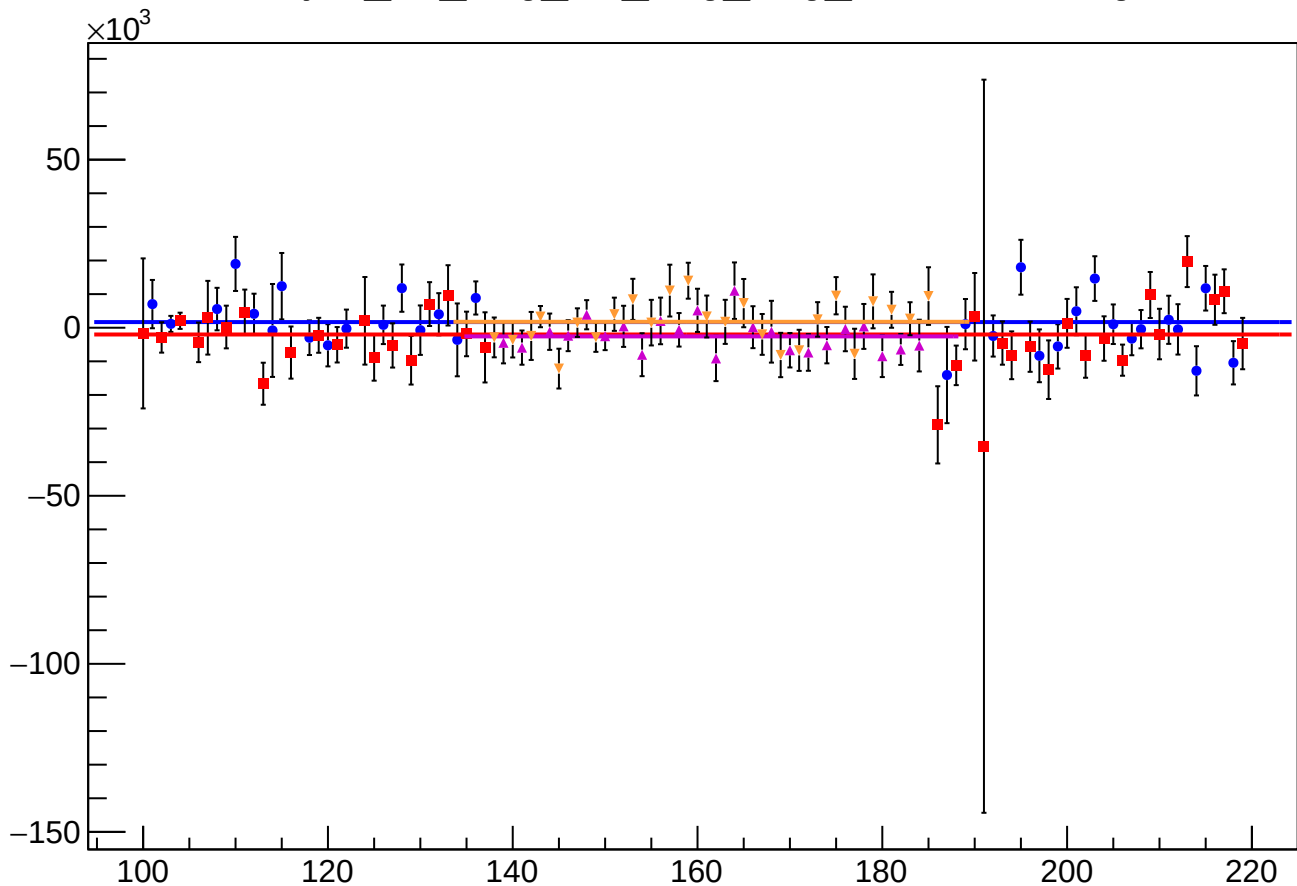
Left In: 5020.567 $\pm$ 0.846 χ^2 /NDF: 1225095.5/22

+ sign 4669.676 $\pm$ 0.548 χ^2 /NDF: 5618040.3/56

All: 4569.853 $\pm$ 0.382 χ^2 /NDF: 14334582.9/1

- sign 4475.433 $\pm$ 0.533 χ^2 /NDF: 8651945.1/59

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1681.377 $\pm$ 1073.804 χ^2 /NDF: 37.3/31

Left Out: 1761.683 $\pm$ 1116.232 χ^2 /NDF: 27.7/24

Right Out: -2012.377 $\pm$ 1051.607 χ^2 /NDF: 48.7/36

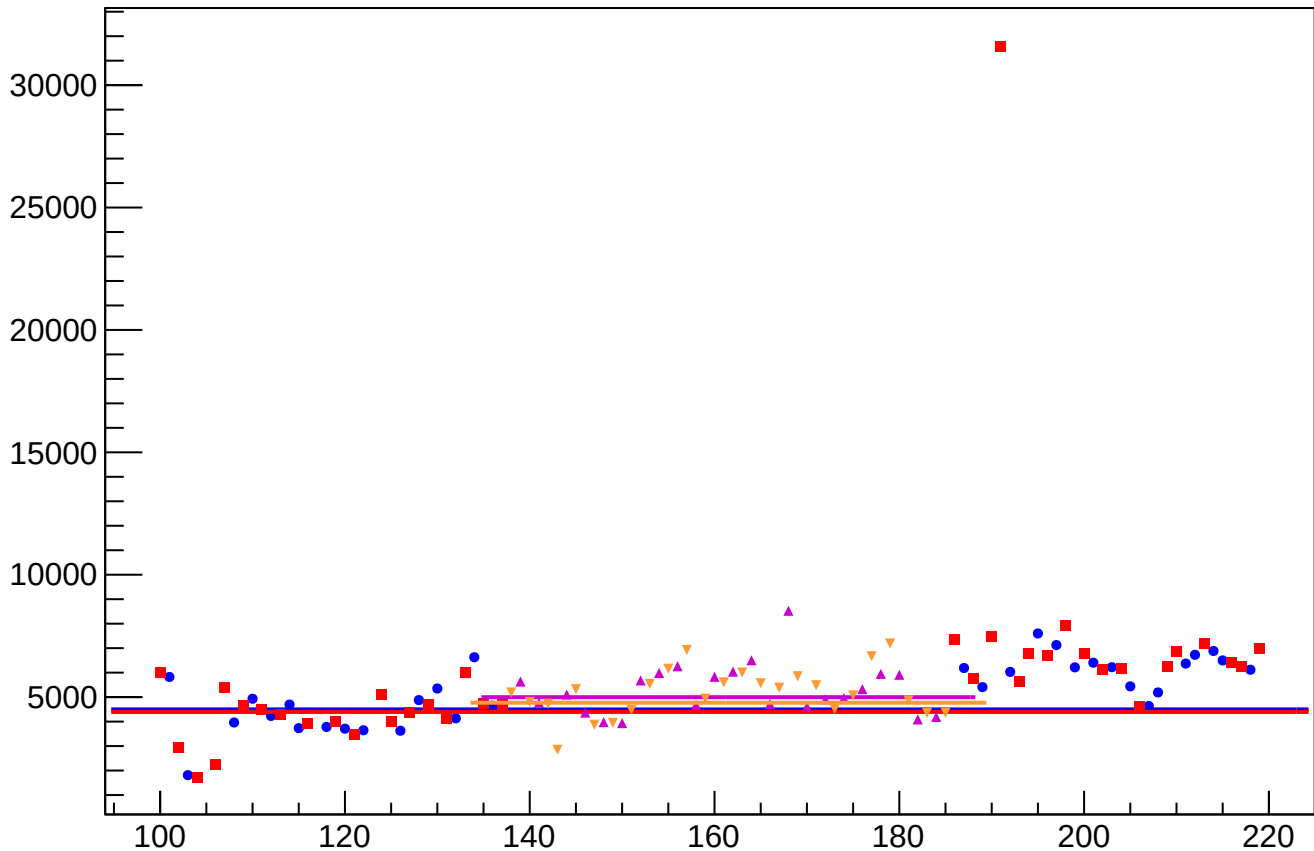
Left In: -2579.960 $\pm$ 1188.448 χ^2 /NDF: 13.3/22

+ sign 1719.975 $\pm$ 773.859 χ^2 /NDF: 65.0/56

All: -235.902 $\pm$ 551.979 χ^2 /NDF: 140.0/116

- sign -2261.625 $\pm$ 787.555 χ^2 /NDF: 62.1/59

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4497.567+/-0.759 χ^2/NDF : 4956660.0/31

Left Out: 4771.181+/-0.789 χ^2/NDF :1787082.6/24

Right Out: 4395.031+/-0.737 χ^2/NDF : 6275659.2/36

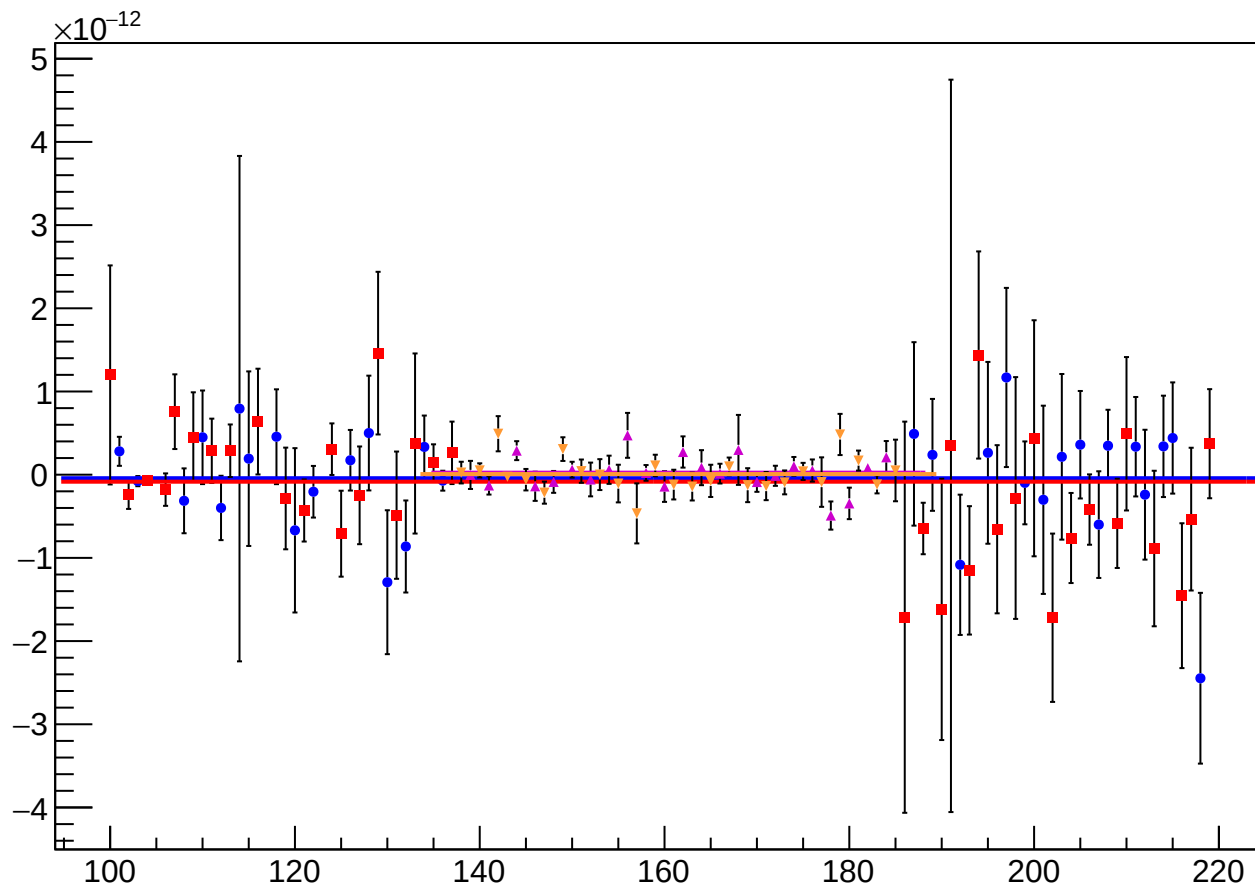
Left In: 4996.720+/-0.840 χ^2/NDF :1095876.8/22

+ sign 4629.074+/-0.547 χ^2/NDF : 6806155.3/56

All: 4642.722+/-0.389 χ^2/NDF : 14468630.9/100

- sign 4656.722+/-0.554 χ^2/NDF : 7661215.4/59

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 26.0/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.1/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 37.9/36

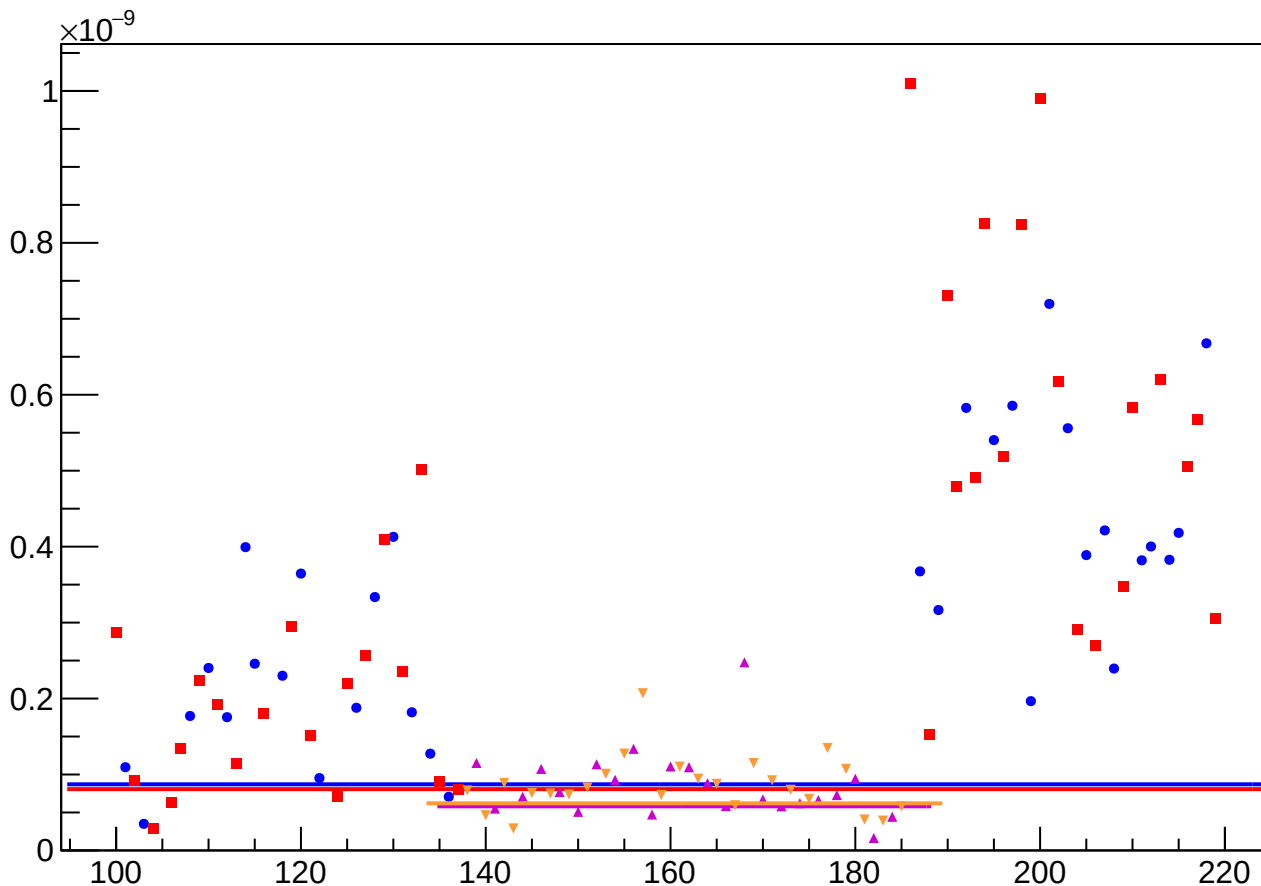
Left In: 0.000 ± 0.000 χ^2/NDF : 31.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 53.9/56

All: -0.000 ± 0.000 χ^2/NDF : 127.7/116

- sign -0.000 ± 0.000 χ^2/NDF : 73.8/59

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9641981.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2443383.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11451228.2/36

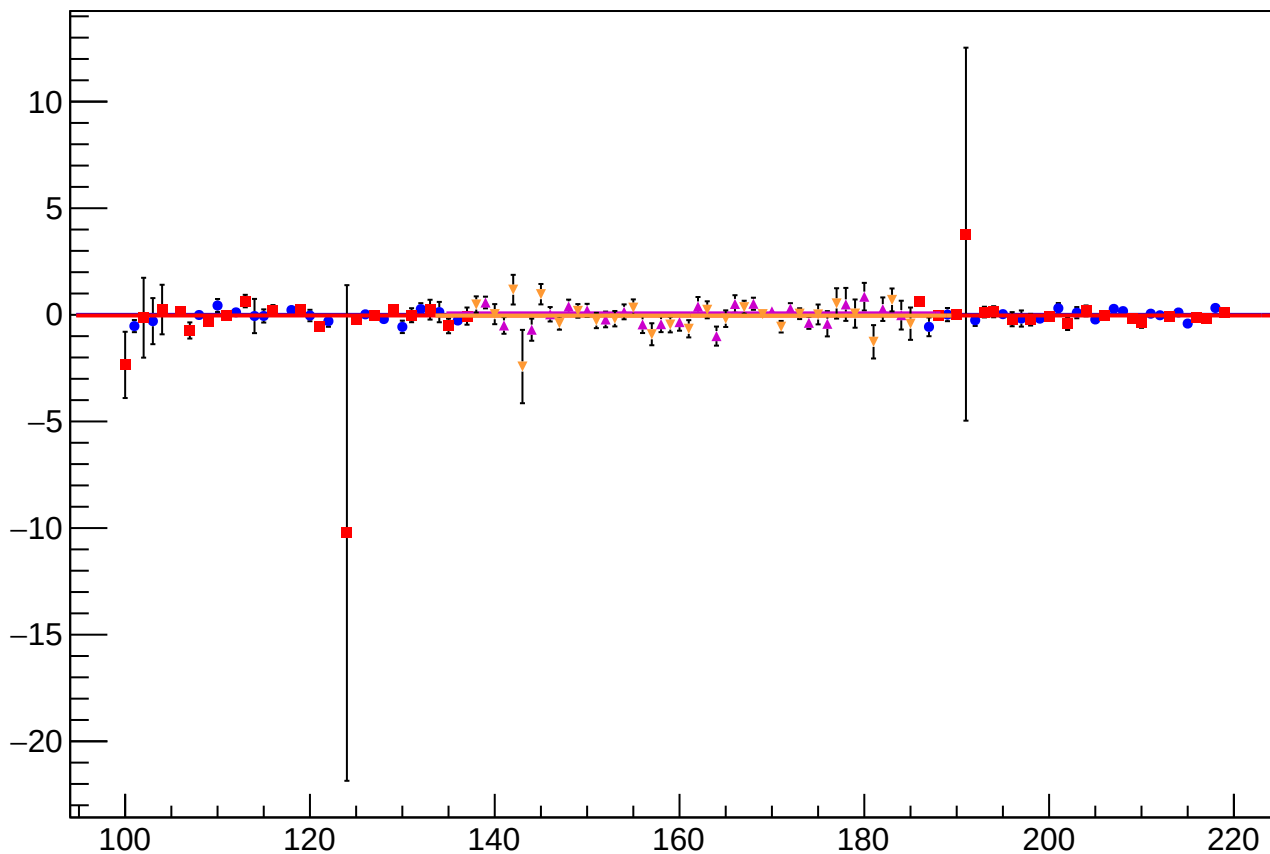
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2966562.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12524762.1/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 27345185.9/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14786035.2/59

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.040 χ^2/NDF : 39.2/31

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: -0.030 ± 0.037 χ^2/NDF : 45.4/36

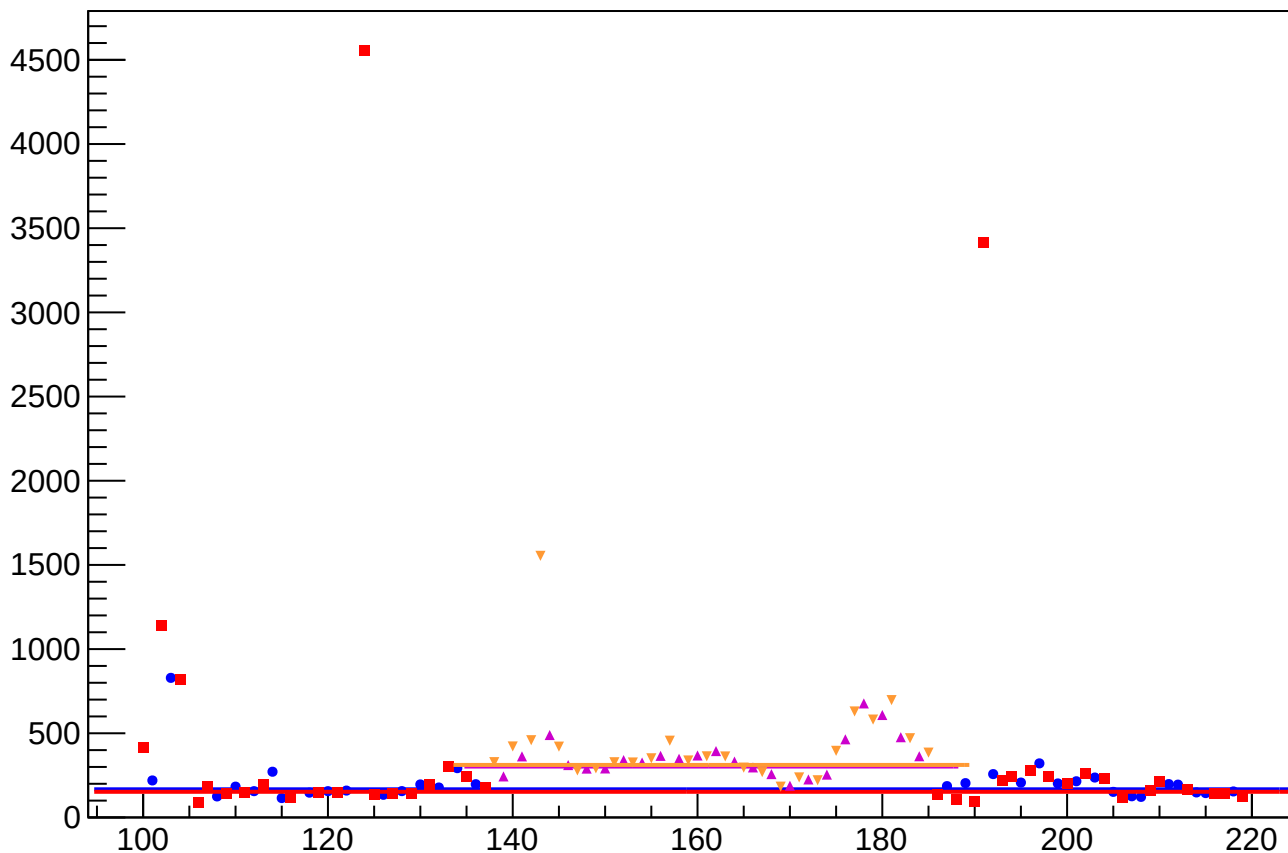
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.008 ± 0.035 χ^2/NDF : 71.9/56

All: -0.010 ± 0.024 χ^2/NDF : 148.6/116

- sign -0.011 ± 0.033 χ^2/NDF : 76.7/59

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 167.171 $\pm$ 0.028 χ^2 /NDF: 2758703.0/31

Left Out: 311.961 $\pm$ 0.054 χ^2 /NDF: 4350162.2/24

Right Out: 152.429 $\pm$ 0.026 χ^2 /NDF: 5001105.7/36

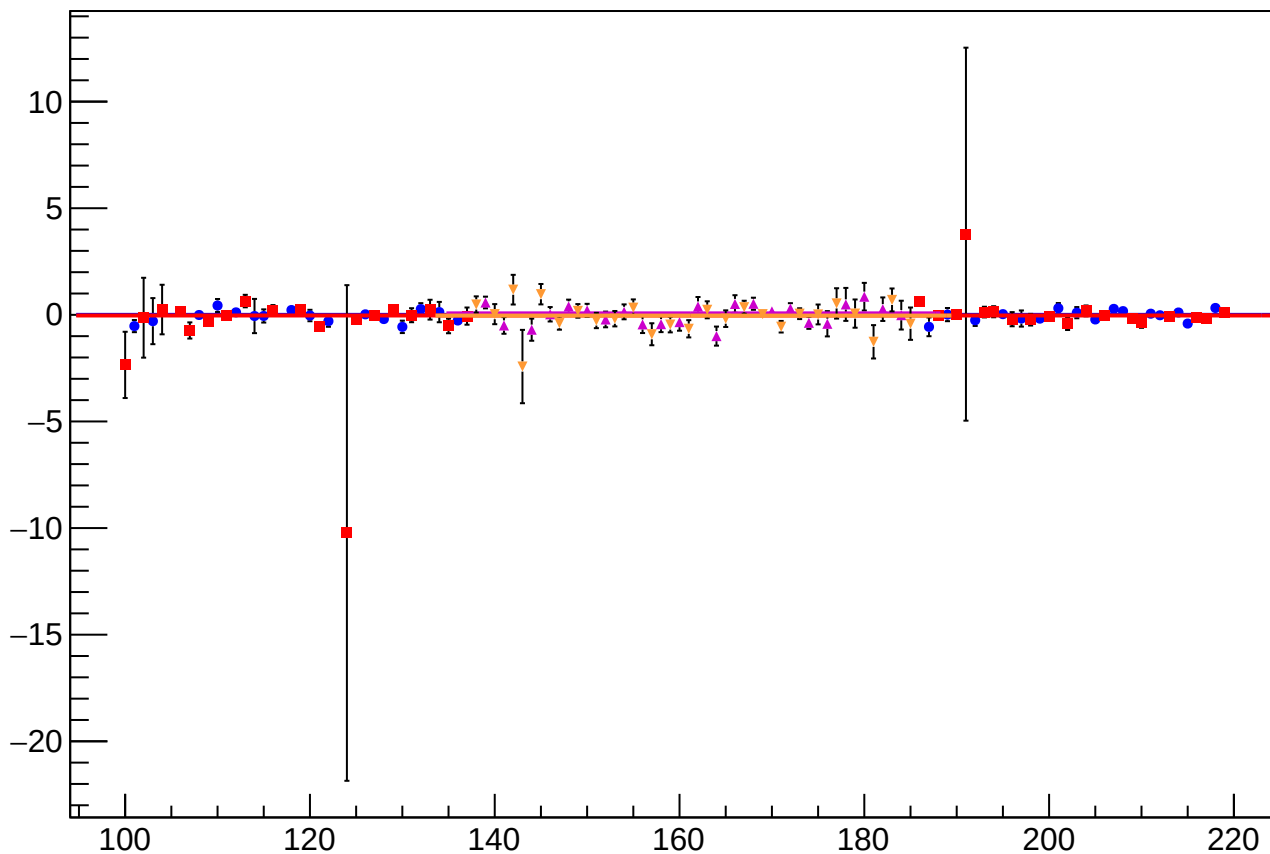
Left In: 302.375 $\pm$ 0.053 χ^2 /NDF: 2808730.8/22

+ sign 198.184 $\pm$ 0.025 χ^2 /NDF: 12713250.3/56

All: 189.210 $\pm$ 0.017 χ^2 /NDF: 27225357.5/1

- sign 181.469 $\pm$ 0.023 χ^2 /NDF: 14273877.3/59

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.040 χ^2/NDF : 39.2/31

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: -0.030 ± 0.037 χ^2/NDF : 45.4/36

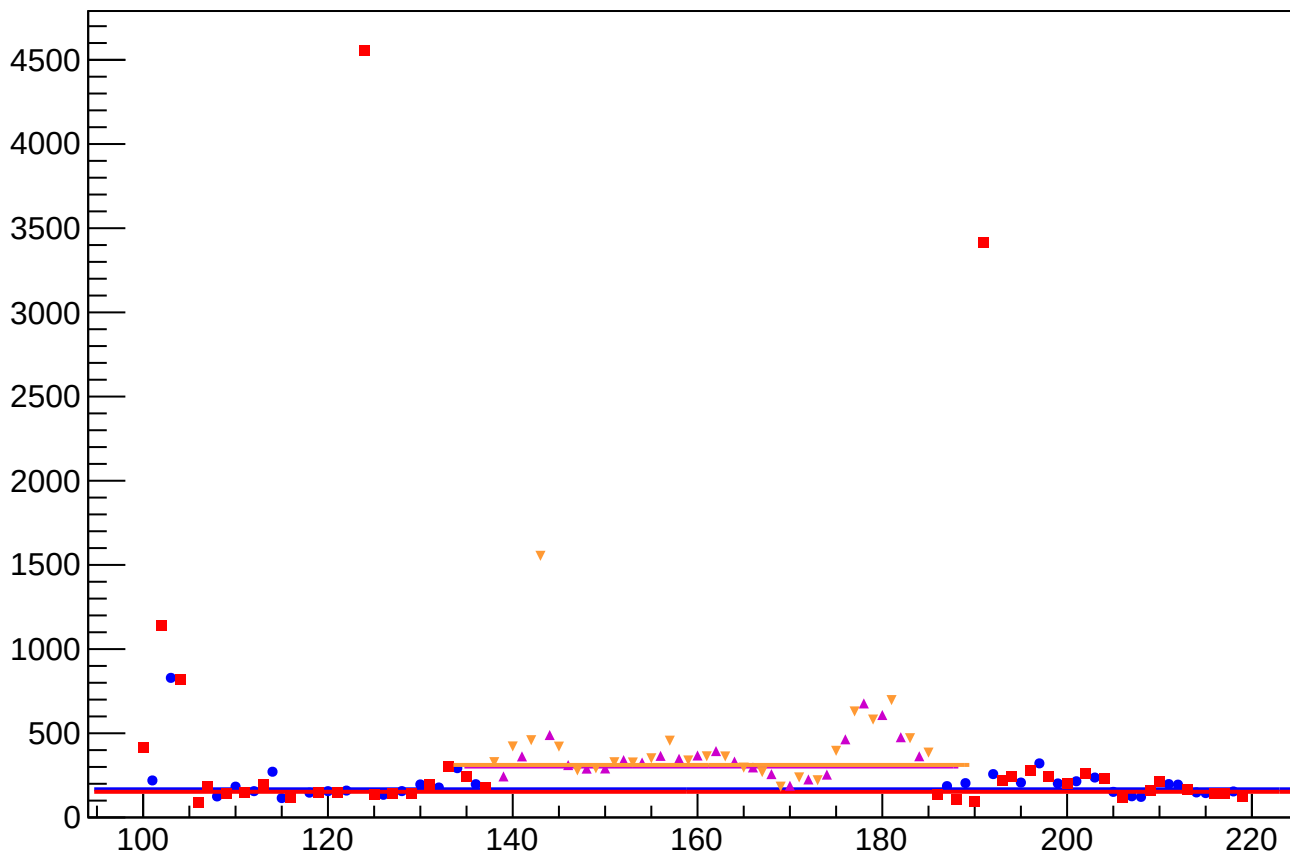
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.008 ± 0.035 χ^2/NDF : 71.9/56

All: -0.010 ± 0.024 χ^2/NDF : 148.6/116

- sign -0.011 ± 0.033 χ^2/NDF : 76.7/59

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 167.171+/-0.028 χ^2/NDF : 2758703.0/31

Left Out: 311.961+/-0.054 χ^2/NDF : 4350162.2/24

Right Out: 152.429+/-0.026 χ^2/NDF : 5001105.7/36

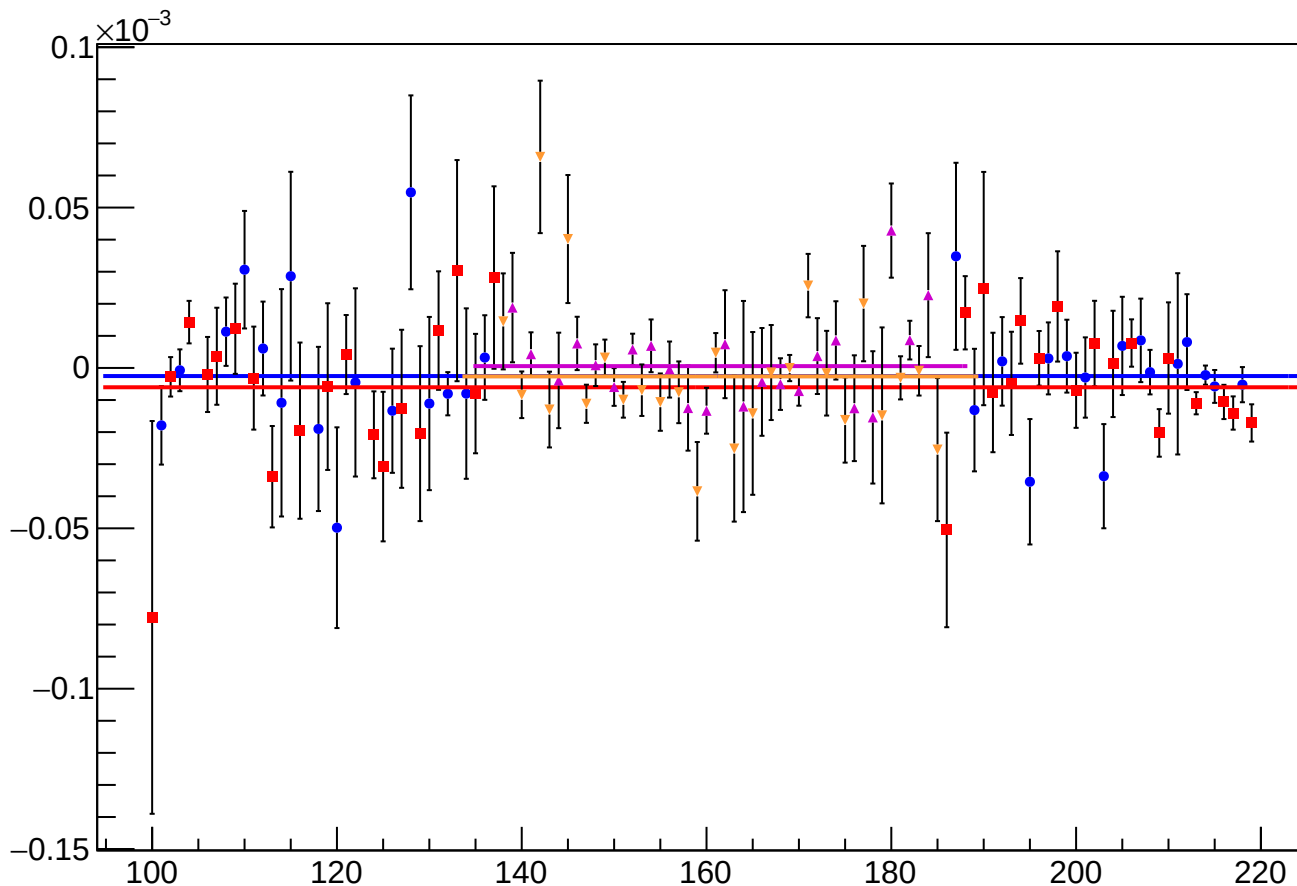
Left In: 302.375+/-0.053 χ^2/NDF : 2808730.8/22

+ sign 198.184+/-0.025 χ^2/NDF : 12713250.3/56

All: 189.210+/-0.017 χ^2/NDF : 27225357.5/11

- sign 181.469+/-0.023 χ^2/NDF : 14273877.3/59

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 27.0/31

Left Out: -0.000+/-0.000 χ^2 /NDF:42.4/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 53.8/36

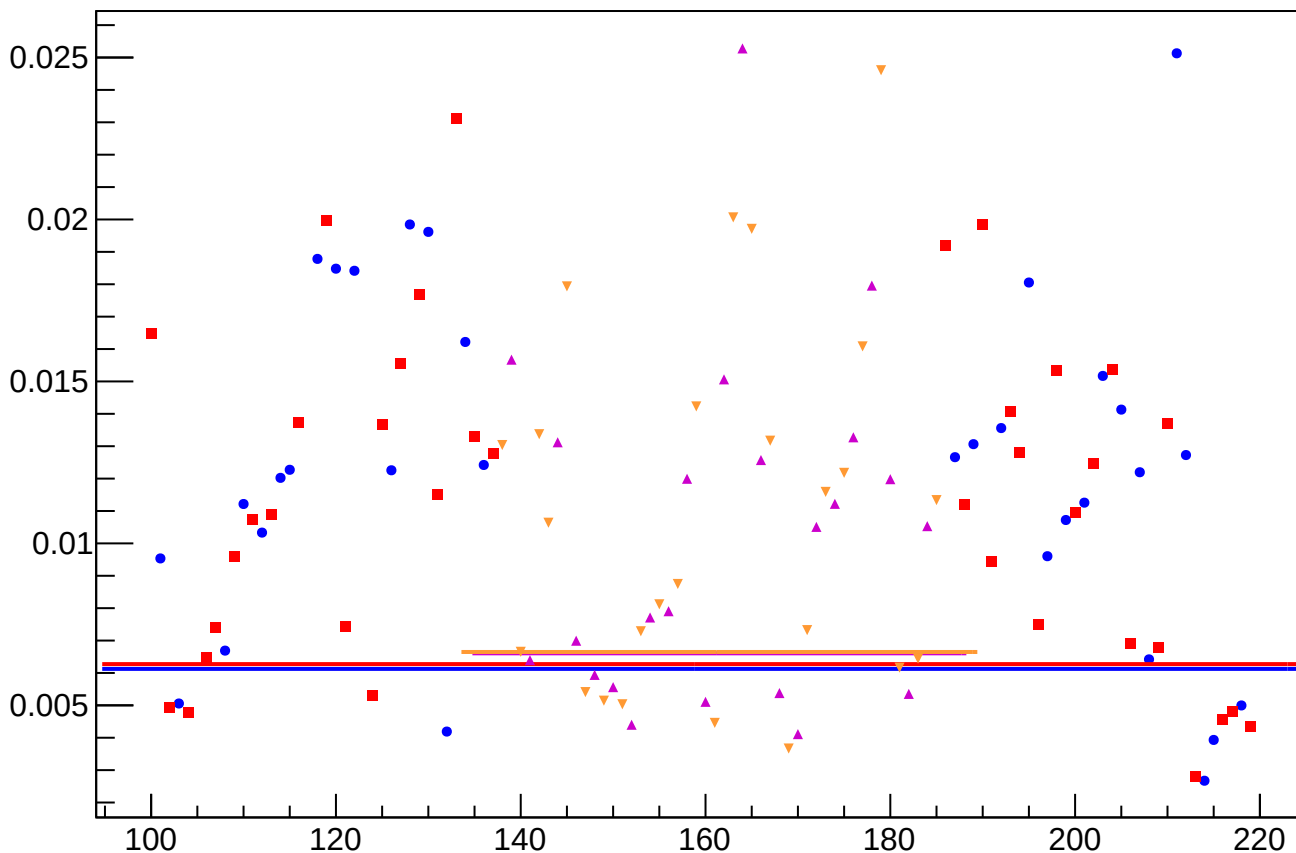
Left In: 0.000+/-0.000 χ^2 /NDF:26.9/22

+ sign -0.000+/-0.000 χ^2 /NDF: 69.4/56

All: -0.000+/-0.000 χ^2 /NDF: 157.6/116

- sign -0.000+/-0.000 χ^2 /NDF: 88.2/59

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 12408610.1/31

Left Out: 0.007+/-0.000 χ^2/NDF : 7513935.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 10238196.9/36

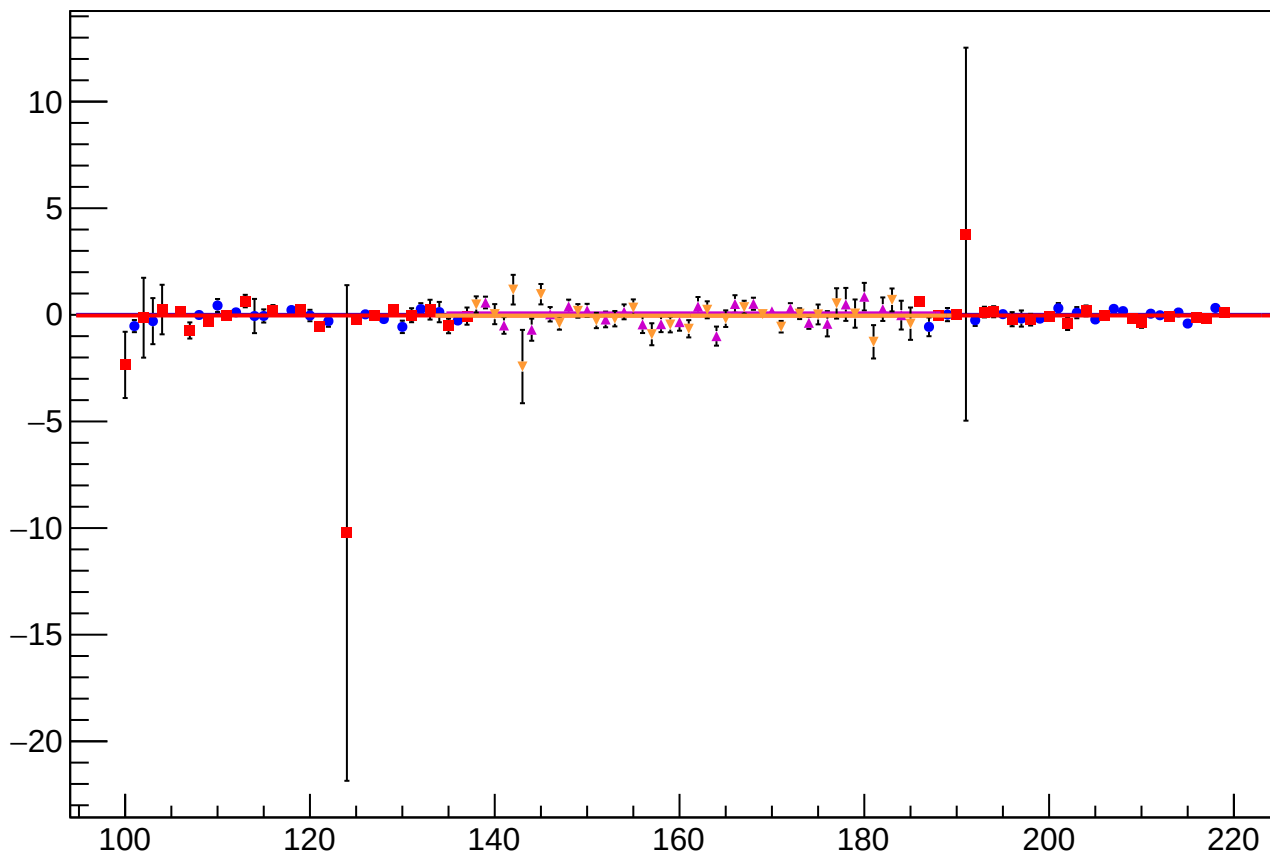
Left In: 0.007+/-0.000 χ^2/NDF : 5855747.2/22

+ sign 0.006+/-0.000 χ^2/NDF : 20014635.5/56

All: 0.006+/-0.000 χ^2/NDF : 36148235.8/116

- sign 0.006+/-0.000 χ^2/NDF : 16132360.8/59

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.040 χ^2/NDF : 39.2/31

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: -0.030 ± 0.037 χ^2/NDF : 45.4/36

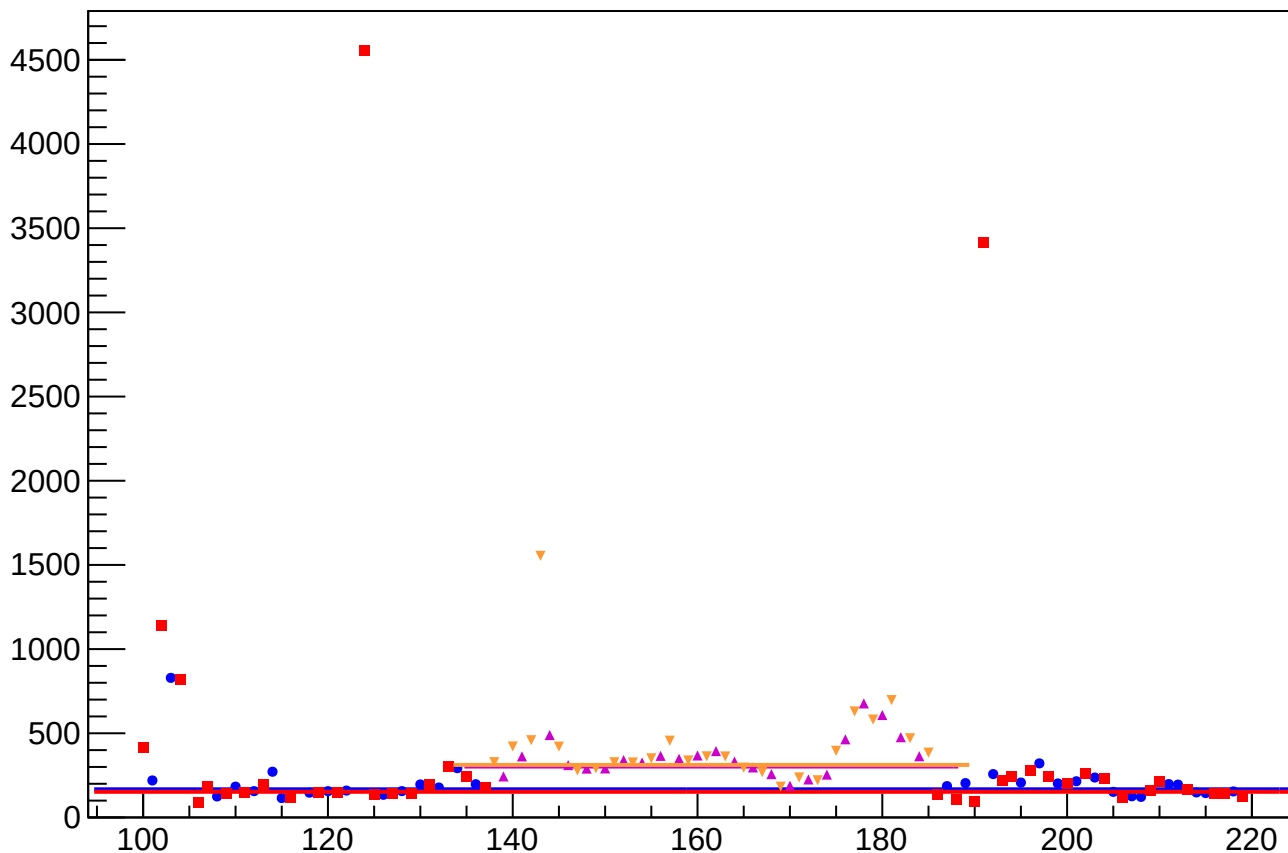
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.008 ± 0.035 χ^2/NDF : 71.9/56

All: -0.010 ± 0.024 χ^2/NDF : 148.7/116

- sign -0.011 ± 0.033 χ^2/NDF : 76.7/59

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 167.170 $\pm$ 0.028 χ^2 /NDF: 2758768.2/31

Left Out: 311.961 $\pm$ 0.054 χ^2 /NDF: 4350376.6/24

Right Out: 152.426 $\pm$ 0.026 χ^2 /NDF: 5001314.9/36

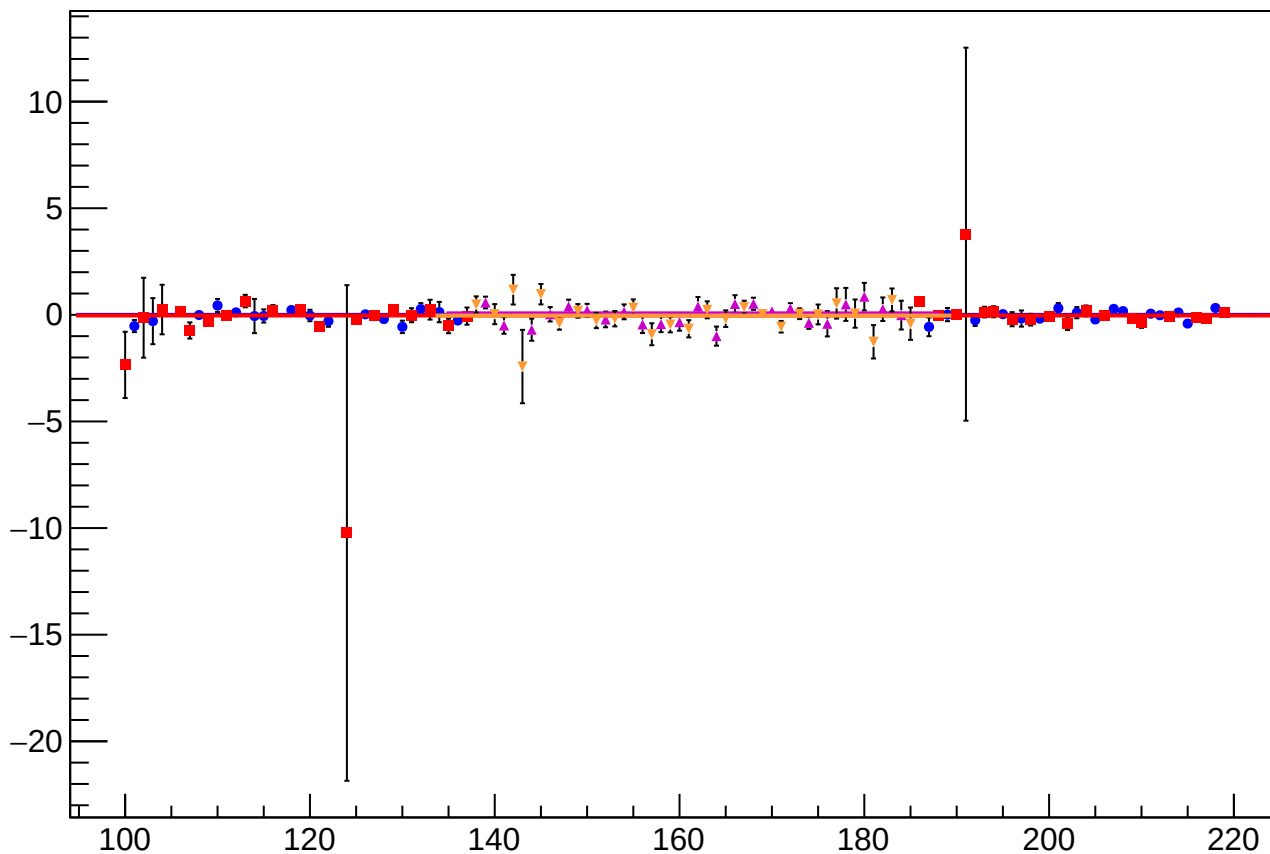
Left In: 302.377 $\pm$ 0.053 χ^2 /NDF: 2808874.8/22

+ sign 198.182 $\pm$ 0.025 χ^2 /NDF: 12713591.0/56

All: 189.208 $\pm$ 0.017 χ^2 /NDF: 27226405.7/11

- sign 181.466 $\pm$ 0.023 χ^2 /NDF: 14274533.3/59

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.040 χ^2/NDF : 39.2/31

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: -0.030 ± 0.037 χ^2/NDF : 45.4/36

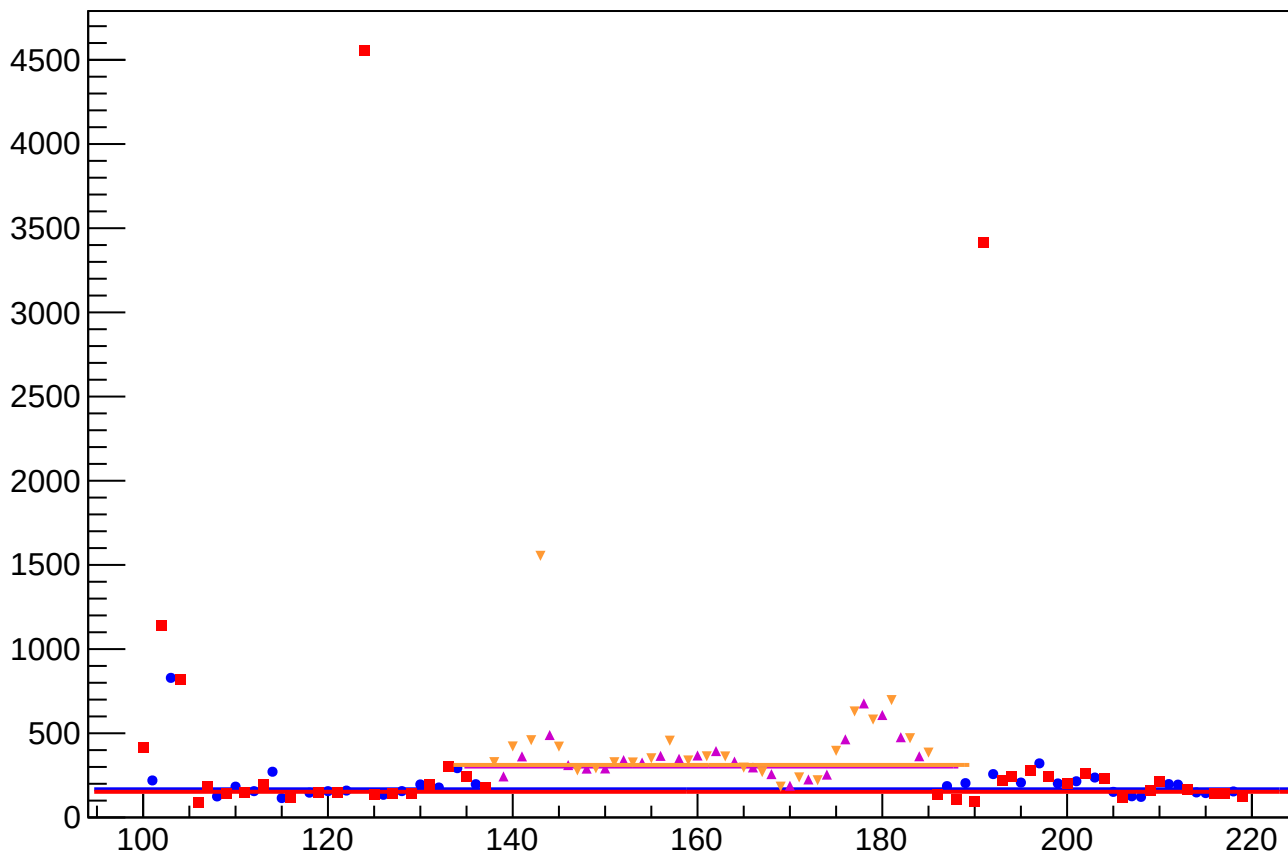
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.008 ± 0.035 χ^2/NDF : 71.9/56

All: -0.010 ± 0.024 χ^2/NDF : 148.7/116

- sign -0.011 ± 0.033 χ^2/NDF : 76.7/59

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 167.170 $\pm$ 0.028 χ^2 /NDF: 2758768.2/31

Left Out: 311.961 $\pm$ 0.054 χ^2 /NDF: 4350376.6/24

Right Out: 152.426 $\pm$ 0.026 χ^2 /NDF: 5001314.9/36

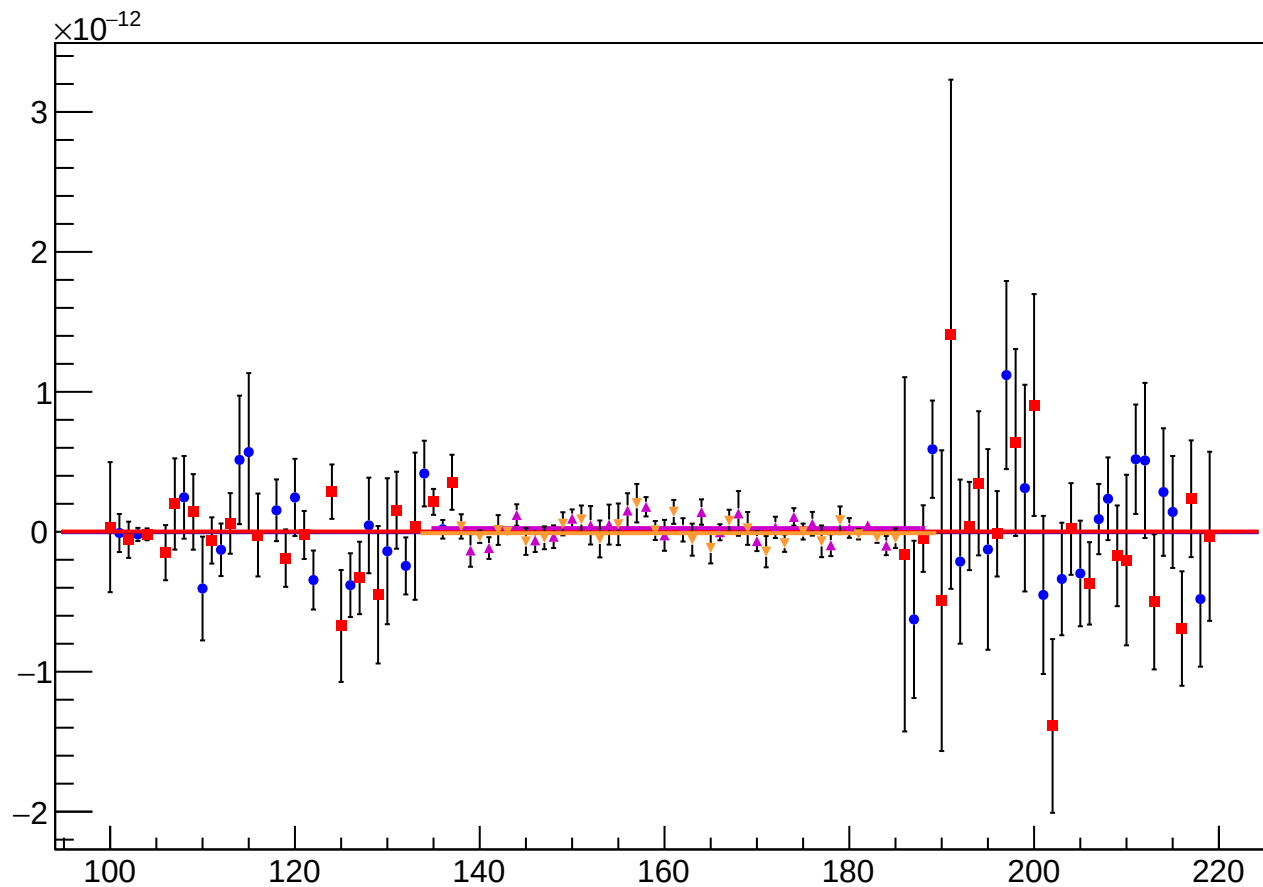
Left In: 302.377 $\pm$ 0.053 χ^2 /NDF: 2808874.8/22

+ sign 198.182 $\pm$ 0.025 χ^2 /NDF: 12713591.0/56

All: 189.208 $\pm$ 0.017 χ^2 /NDF: 27226405.7/11

- sign 181.466 $\pm$ 0.023 χ^2 /NDF: 14274533.3/59

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 30.4/31

Left Out: -0.000+/-0.000 χ^2 /NDF:16.2/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 33.8/36

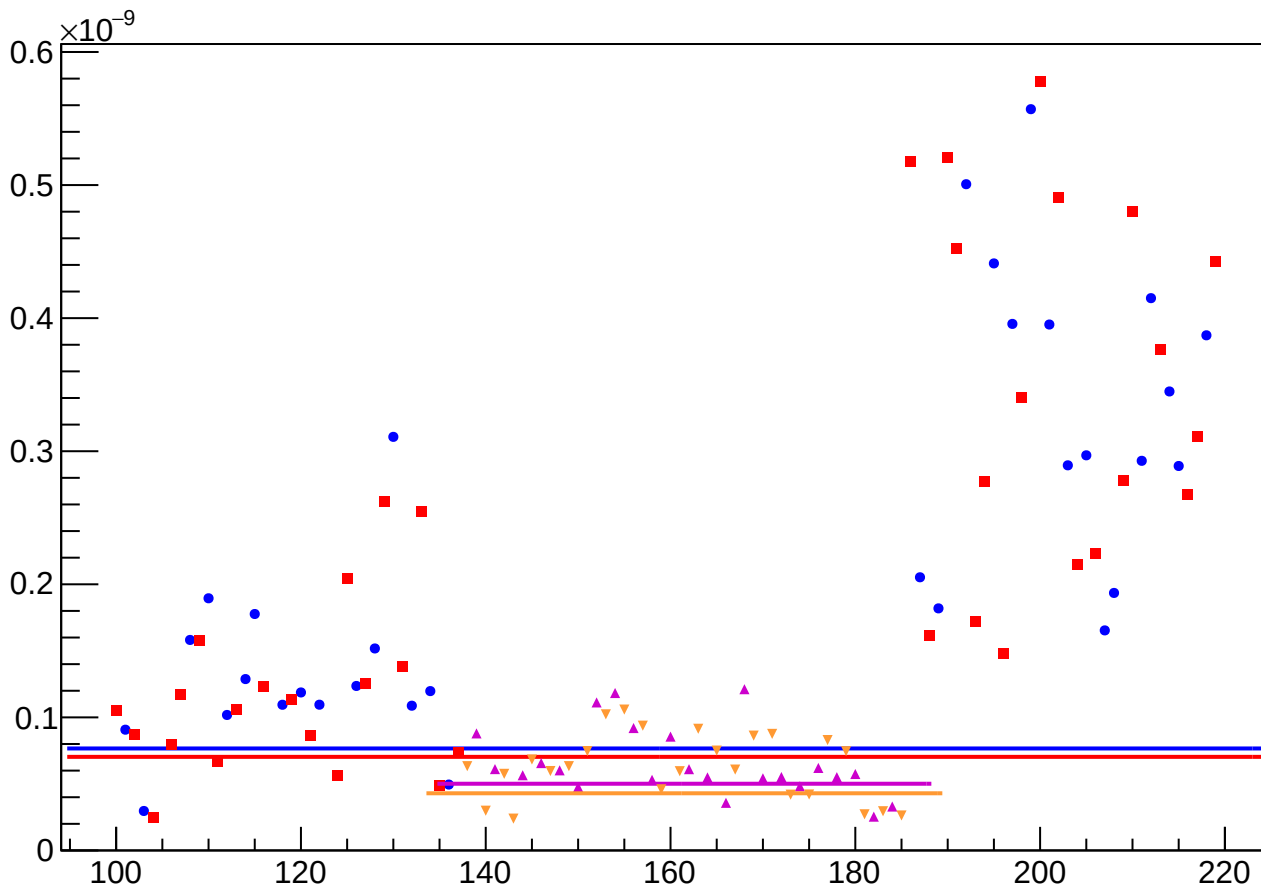
Left In: 0.000+/-0.000 χ^2 /NDF:27.6/22

+ sign -0.000+/-0.000 χ^2 /NDF: 46.6/56

All: 0.000+/-0.000 χ^2 /NDF: 111.2/116

- sign 0.000+/-0.000 χ^2 /NDF: 61.9/59

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12702668.1/31

Left Out: 0.000+/-0.000 χ^2/NDF : 5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12852594.4/36

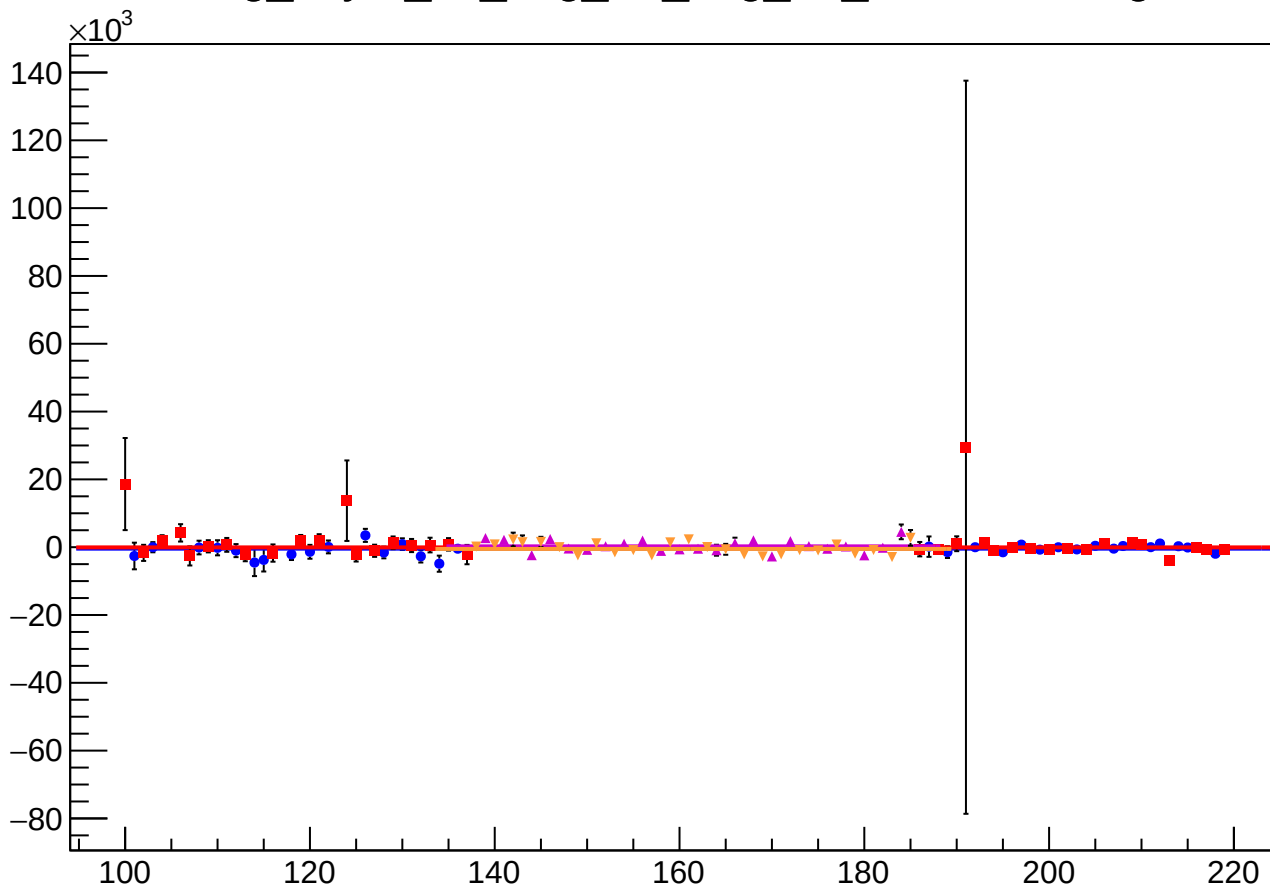
Left In: 0.000+/-0.000 χ^2/NDF : 3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 19718156.1/56

All: 0.000+/-0.000 χ^2/NDF : 37122024.0/116

- sign 0.000+/-0.000 χ^2/NDF : 17183346.2/59

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -430.866 ± 285.473 χ^2/NDF : 19.5/31

Left Out: -514.484 ± 285.945 χ^2/NDF : 30.9/24

Right Out: -60.765 ± 280.571 χ^2/NDF : 30.2/36

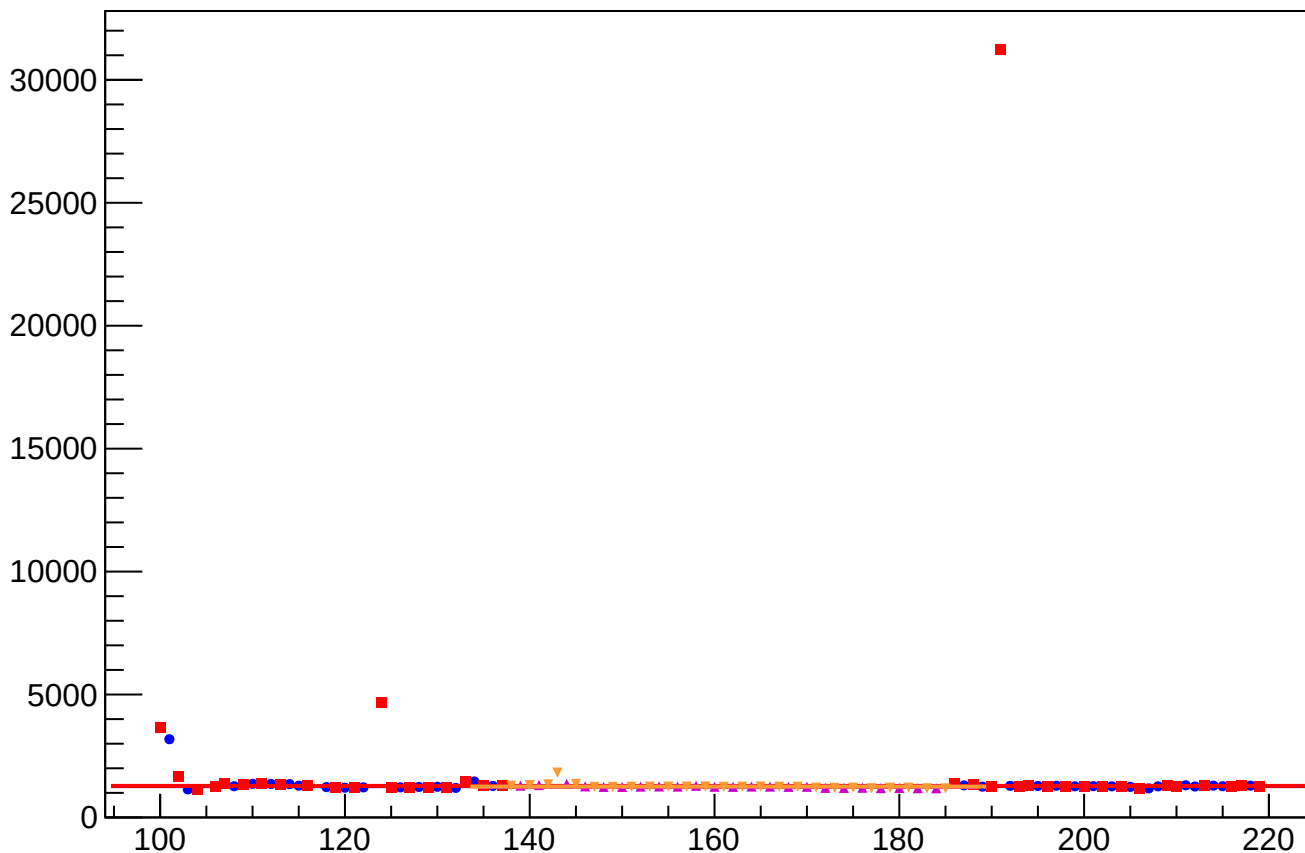
Left In: 242.686 ± 291.166 χ^2/NDF : 32.0/22

+ sign -472.606 ± 202.027 χ^2/NDF : 50.5/56

All: -193.646 ± 142.858 χ^2/NDF : 117.1/116

- sign 85.339 ± 202.036 χ^2/NDF : 62.8/59

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1274.165+/-0.202 χ^2/NDF : 534525.6/31

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.1/24

Right Out: 1282.870+/-0.198 χ^2/NDF : 508745.8/36

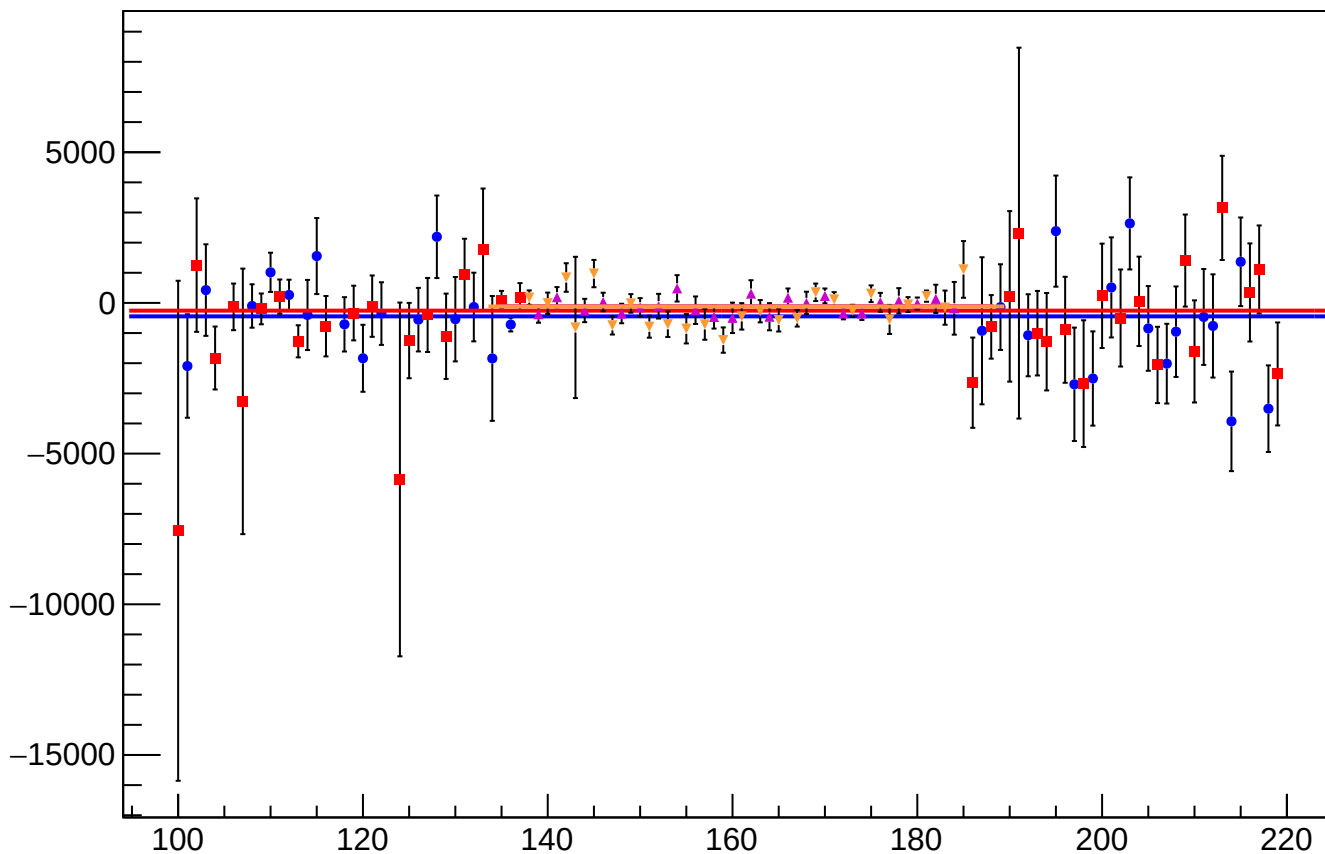
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1264.855+/-0.143 χ^2/NDF : 741911.0/56

All: 1265.072+/-0.101 χ^2/NDF : 1306829.5/11

- sign 1265.289+/-0.143 χ^2/NDF : 564914.0/59

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug



Right In: -446.156 ± 154.498 χ^2/NDF : 40.7/31

Left Out: -117.028 ± 65.059 χ^2/NDF : 48.4/24

Right Out: -256.088 ± 154.653 χ^2/NDF : 30.4/36

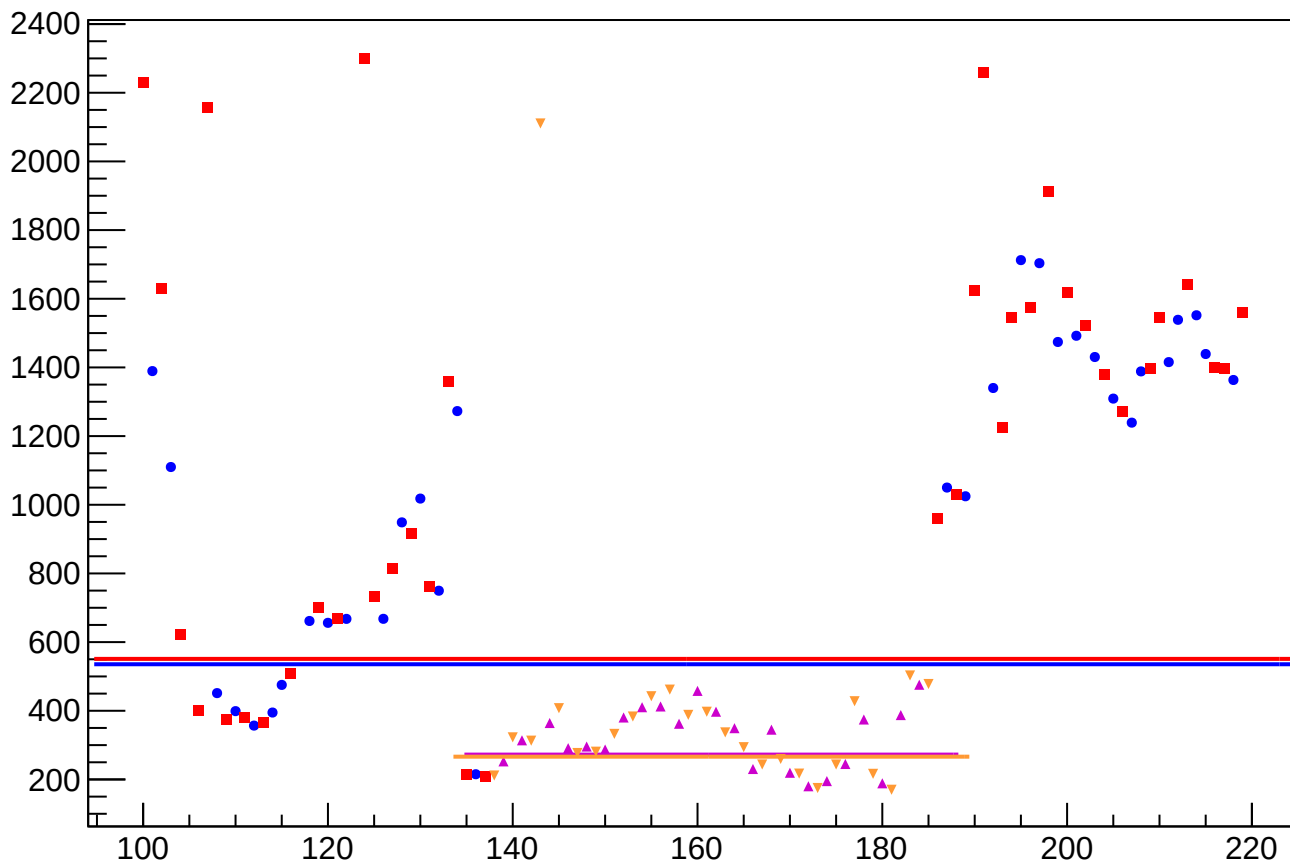
Left In: -107.341 ± 67.001 χ^2/NDF : 13.7/22

+ sign -166.600 ± 59.960 χ^2/NDF : 93.0/56

All: -149.171 ± 42.925 χ^2/NDF : 138.1/116

- sign -130.848 ± 61.479 χ^2/NDF : 44.9/59

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 535.490 $\pm$ 0.109 χ^2 /NDF: 15940026.7/31

Left Out: 266.321 $\pm$ 0.046 χ^2 /NDF: 4630130.4/24

Right Out: 551.143 $\pm$ 0.109 χ^2 /NDF: 16516225.8/36

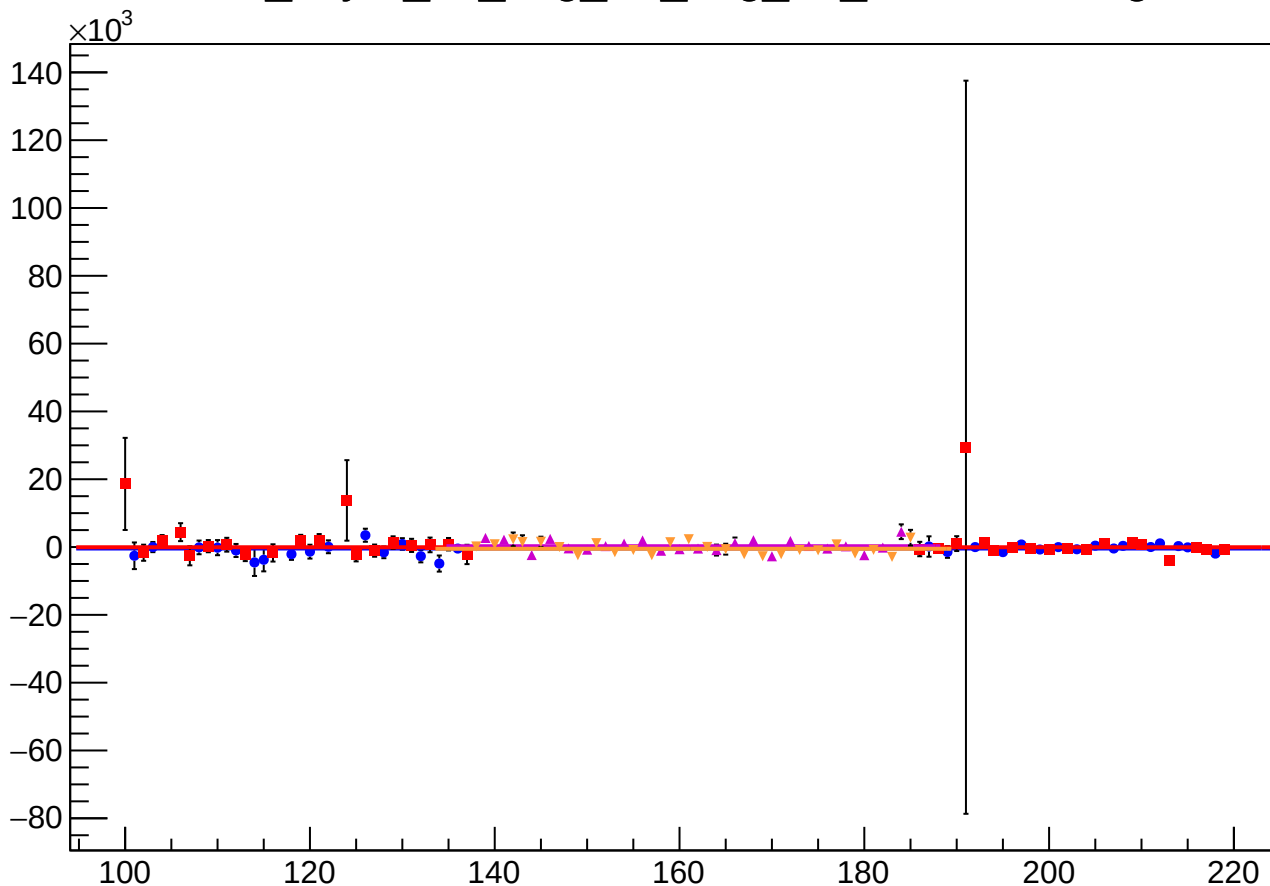
Left In: 272.368 $\pm$ 0.047 χ^2 /NDF: 2887823.5/22

+ sign 306.862 $\pm$ 0.042 χ^2 /NDF: 25726441.6/56

All: 311.523 $\pm$ 0.030 χ^2 /NDF: 50626958.5/11

- sign 316.423 $\pm$ 0.043 χ^2 /NDF: 24875725.5/59

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -430.733 ± 285.473 χ^2/NDF : 19.5/31

Left Out: -514.430 ± 285.945 χ^2/NDF : 30.9/24

Right Out: -61.914 ± 280.672 χ^2/NDF : 30.3/36

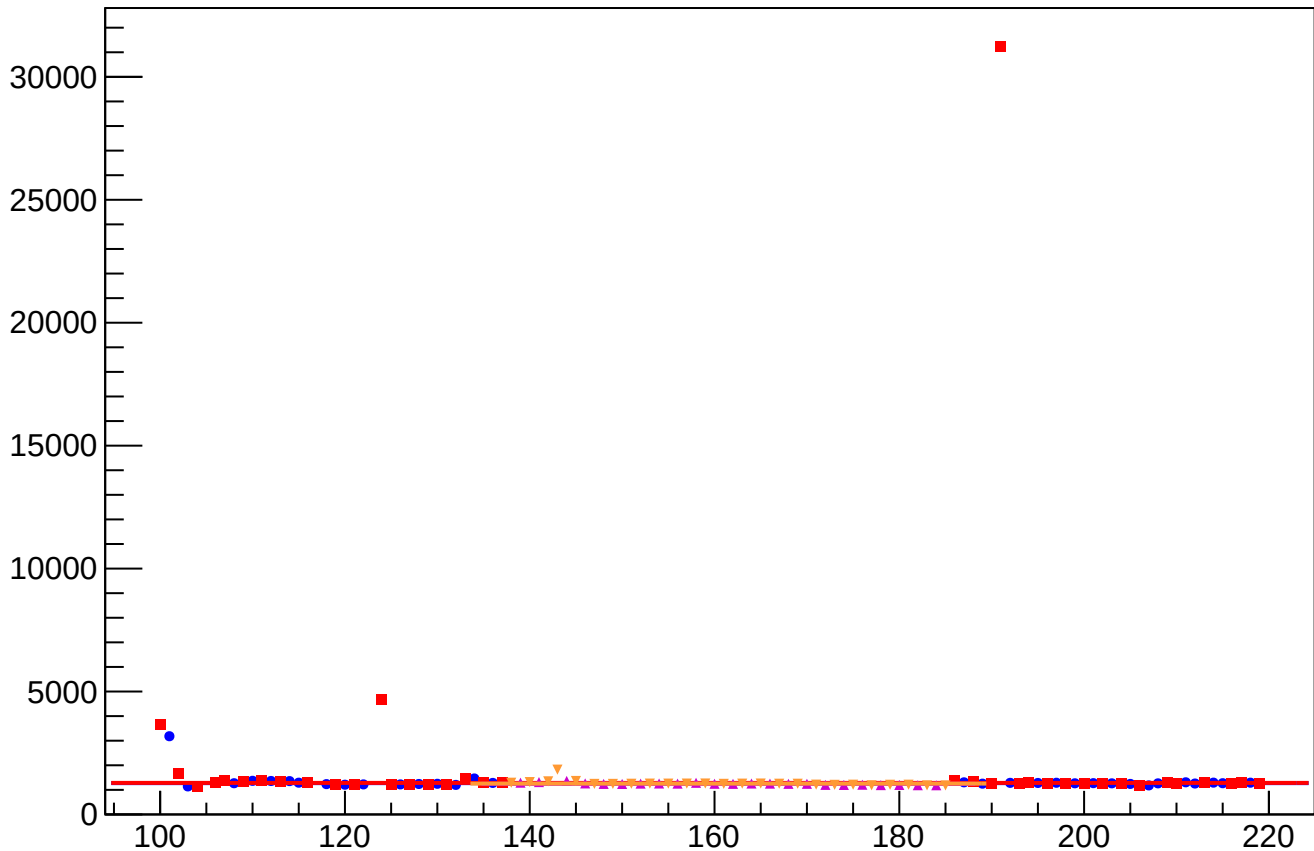
Left In: 242.663 ± 291.166 χ^2/NDF : 32.0/22

+ sign -472.512 ± 202.027 χ^2/NDF : 50.5/56

All: -193.927 ± 142.871 χ^2/NDF : 117.2/116

- sign 84.786 ± 202.073 χ^2/NDF : 62.9/59

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1274.165+/-0.202 χ^2/NDF : 534527.0/31

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.0/24

Right Out: 1283.344+/-0.198 χ^2/NDF : 508747.4/36

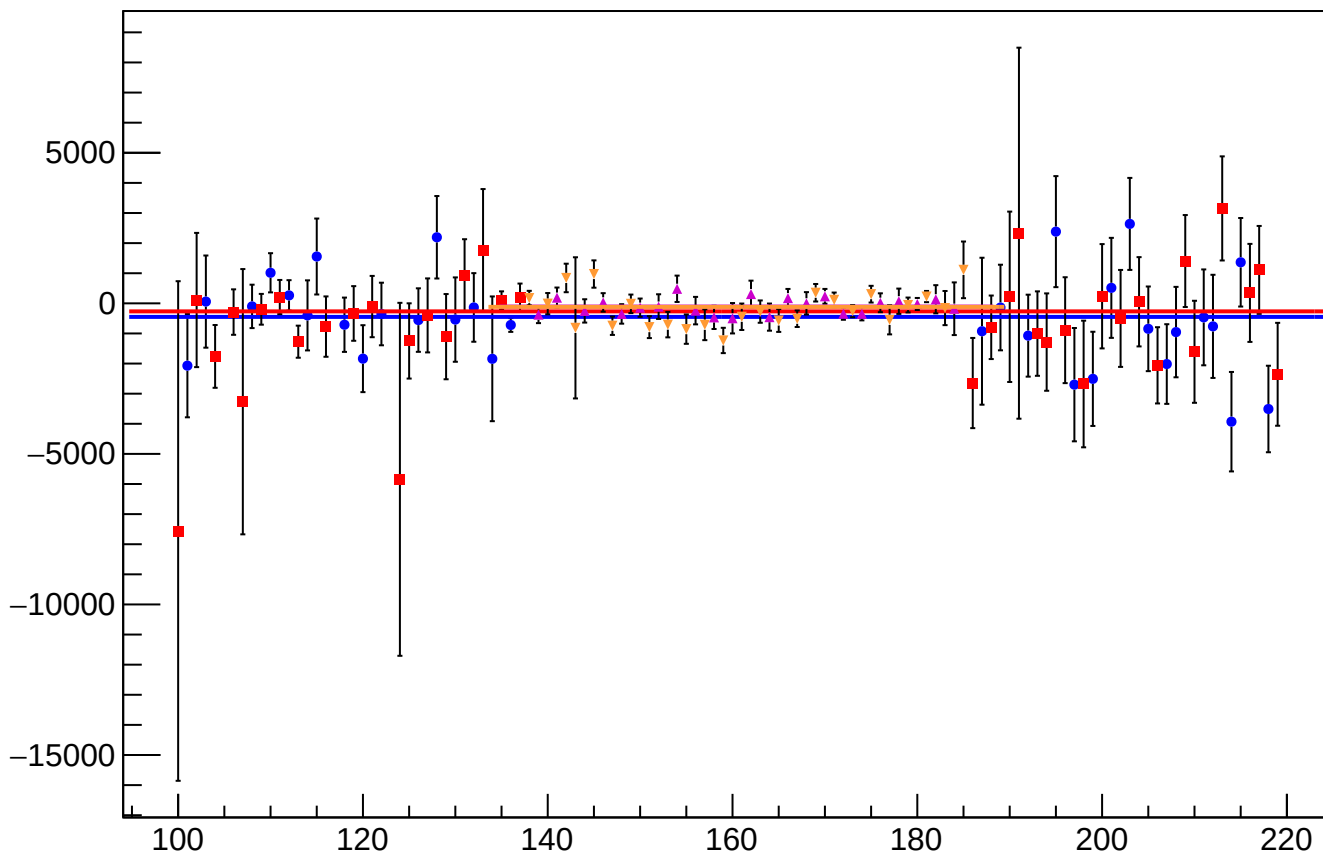
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1264.855+/-0.143 χ^2/NDF : 741912.3/56

All: 1265.191+/-0.101 χ^2/NDF : 1307259.2/111

- sign 1265.528+/-0.143 χ^2/NDF : 565335.8/59

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug



Right In: -449.933 ± 154.514 χ^2/NDF : 40.5/31

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -266.937 ± 154.502 χ^2/NDF : 29.7/36

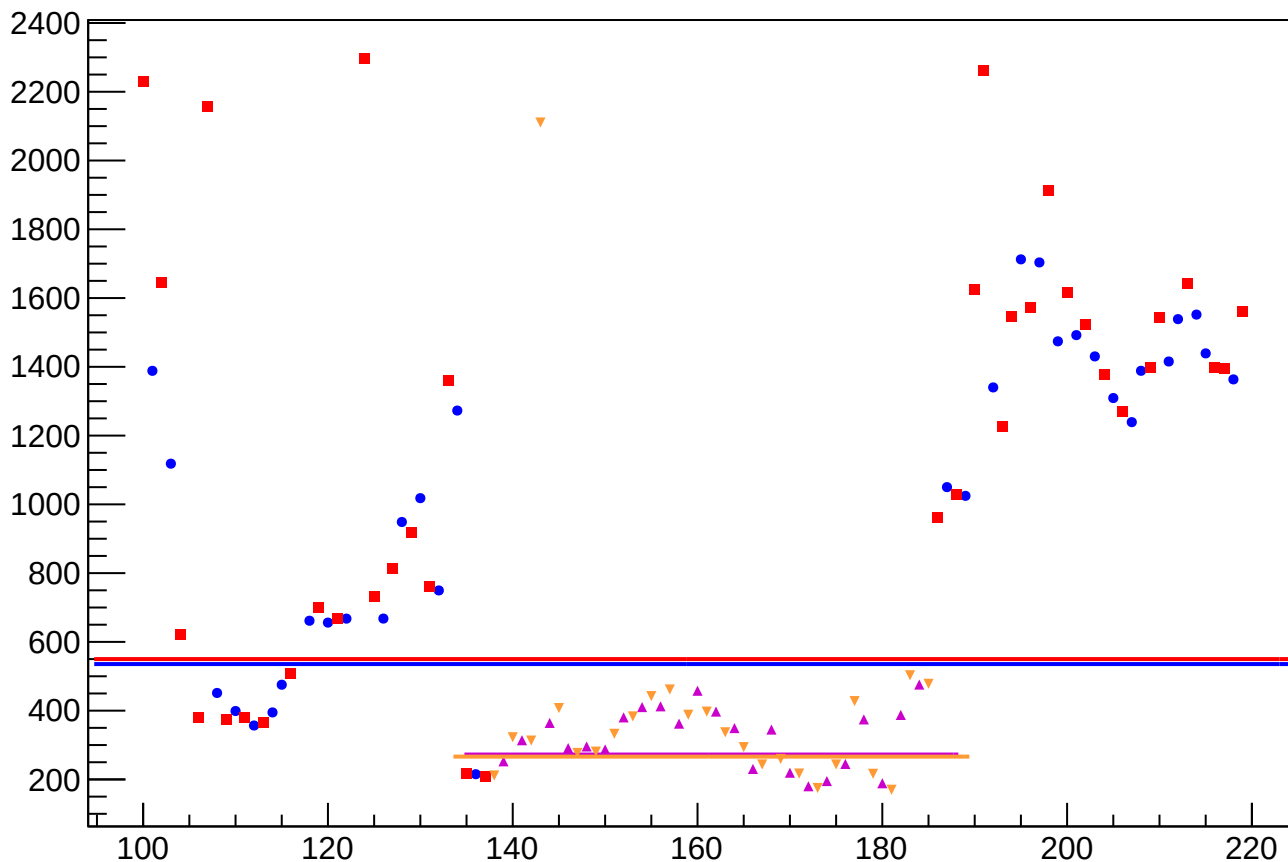
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -167.140 ± 59.962 χ^2/NDF : 92.9/56

All: -150.350 ± 42.923 χ^2/NDF : 137.4/116

- sign -132.704 ± 61.471 χ^2/NDF : 44.3/59

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 535.514 $\pm$ 0.109 χ^2 /NDF: 15942969.3/31

Left Out: 266.326 $\pm$ 0.046 χ^2 /NDF: 4630167.4/24

Right Out: 550.035 $\pm$ 0.109 χ^2 /NDF: 16548407.9/36

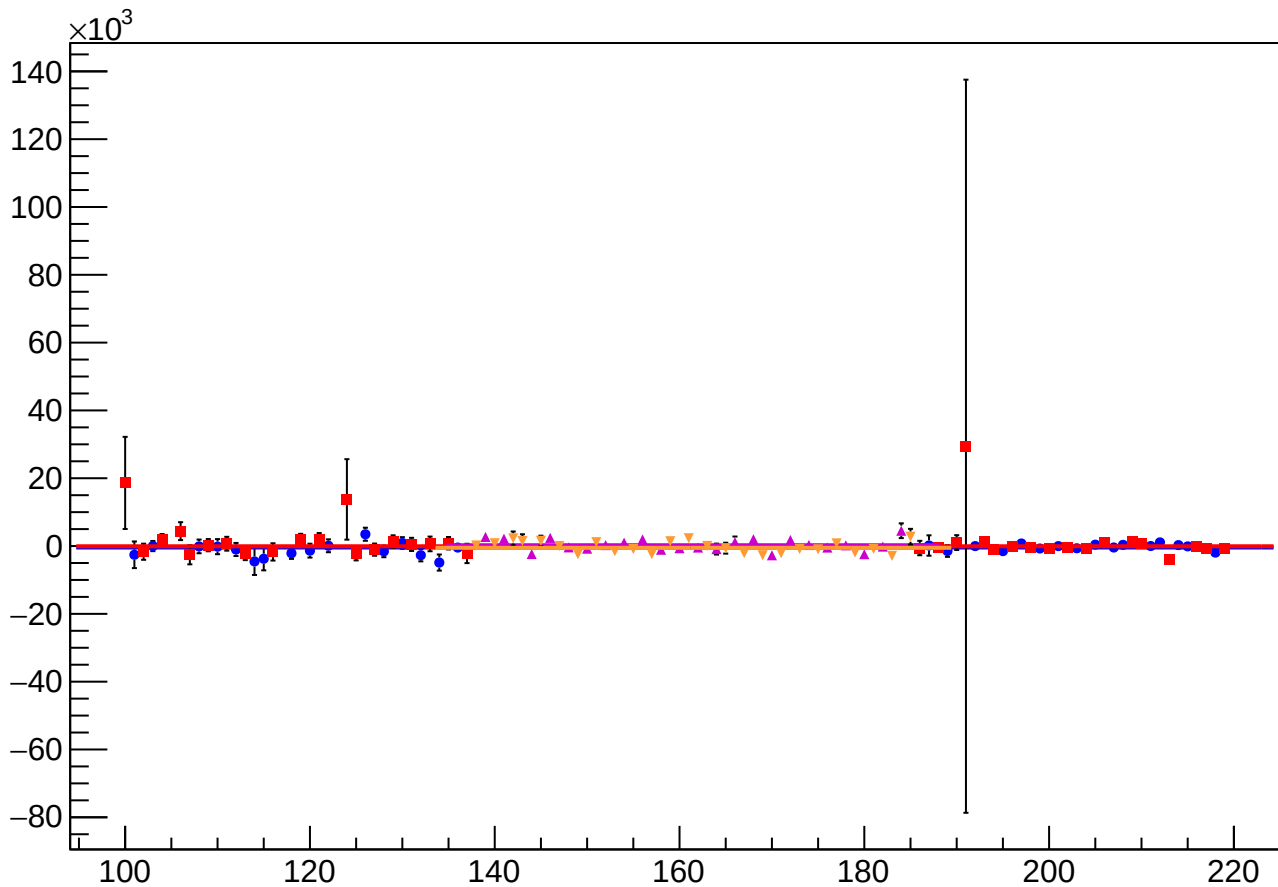
Left In: 272.378 $\pm$ 0.047 χ^2 /NDF: 2887597.1/22

+ sign 306.865 $\pm$ 0.042 χ^2 /NDF: 25729220.7/56

All: 311.480 $\pm$ 0.030 χ^2 /NDF: 50626260.8/11

- sign 316.330 $\pm$ 0.043 χ^2 /NDF: 24872741.4/59

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -430.733 ± 285.473 χ^2/NDF : 19.5/31

Left Out: -514.430 ± 285.945 χ^2/NDF : 30.9/24

Right Out: -61.914 ± 280.672 χ^2/NDF : 30.3/36

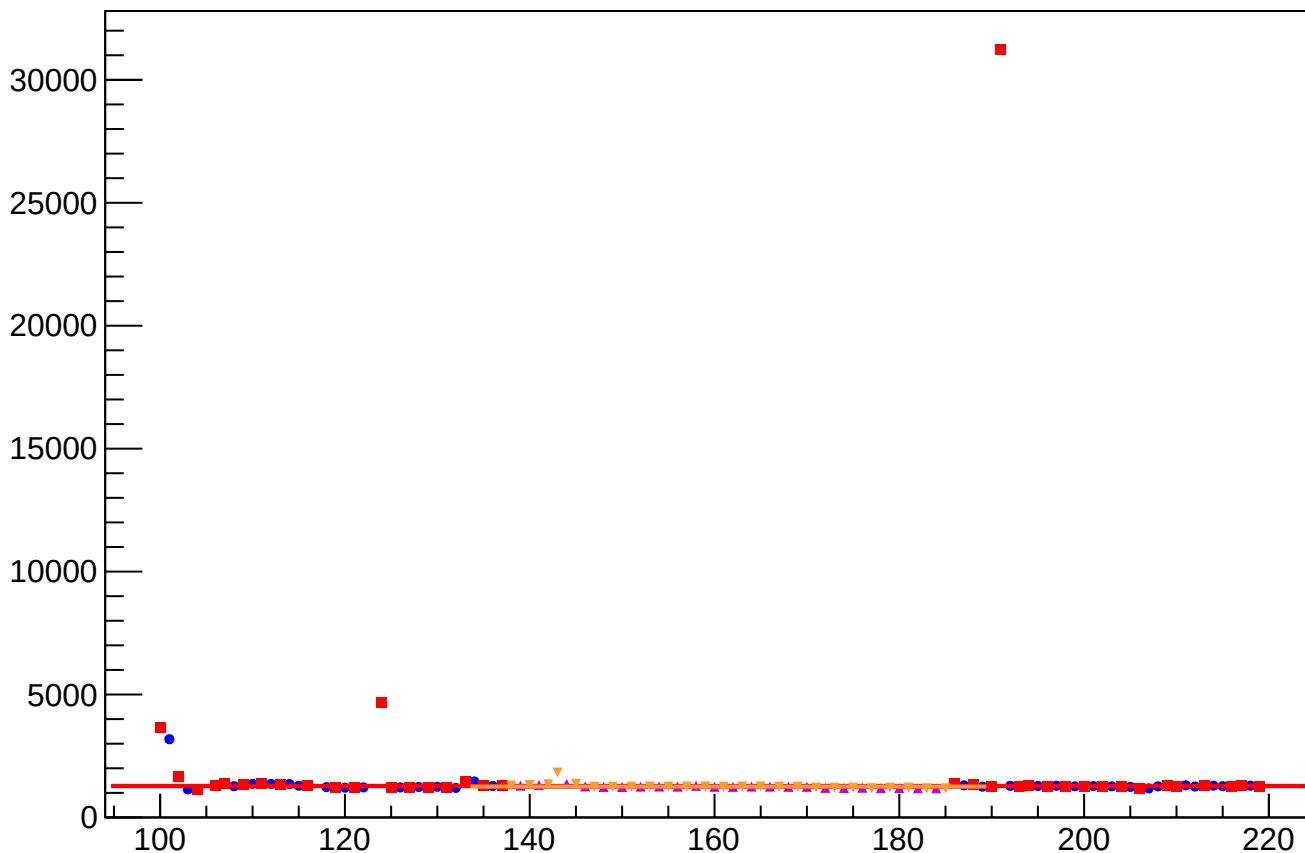
Left In: 242.663 ± 291.166 χ^2/NDF : 32.0/22

+ sign -472.512 ± 202.027 χ^2/NDF : 50.5/56

All: -193.927 ± 142.871 χ^2/NDF : 117.2/116

- sign 84.786 ± 202.073 χ^2/NDF : 62.9/59

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1274.165+/-0.202 χ^2/NDF : 534527.0/31

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.0/24

Right Out: 1283.344+/-0.198 χ^2/NDF : 508747.4/36

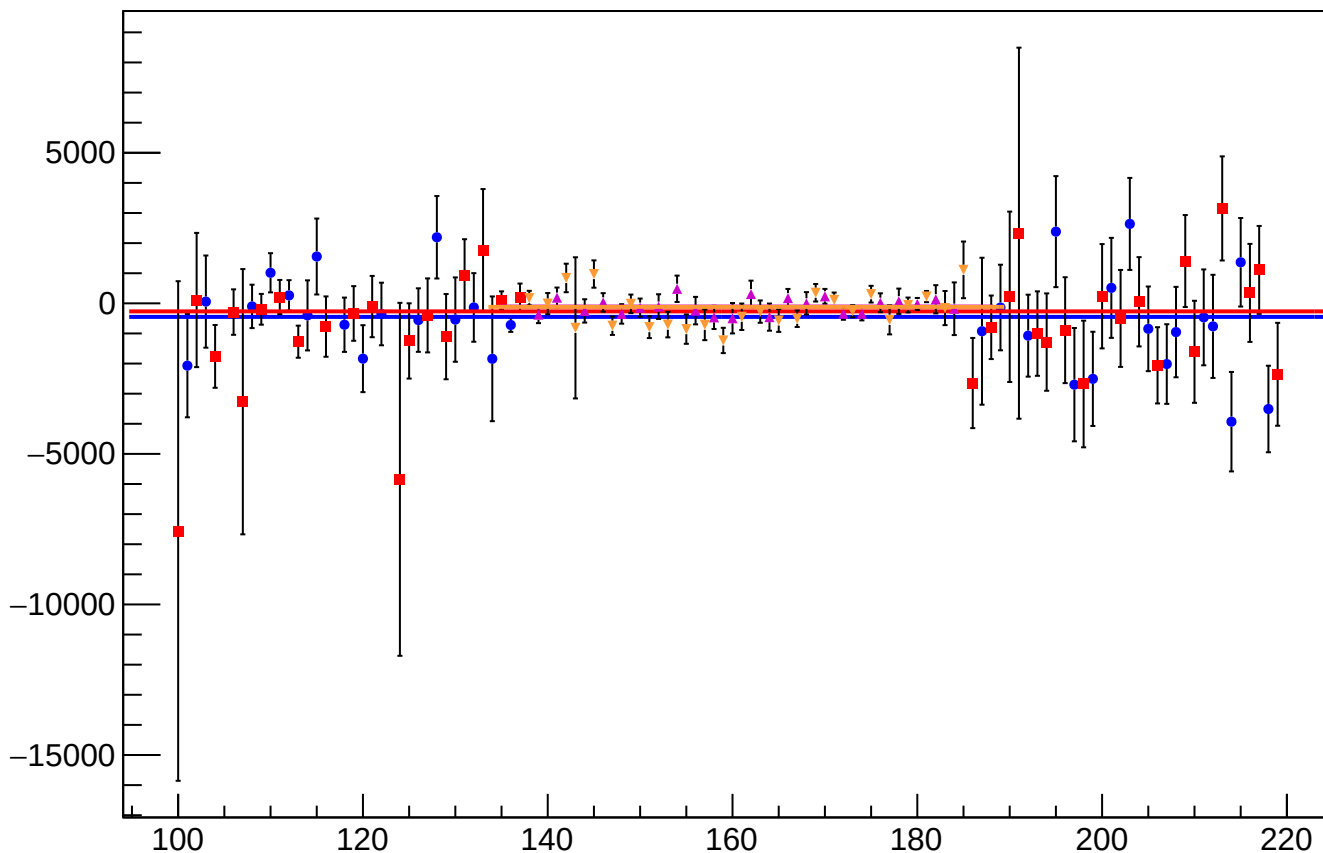
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1264.855+/-0.143 χ^2/NDF : 741912.3/56

All: 1265.191+/-0.101 χ^2/NDF : 1307259.2/111

- sign 1265.528+/-0.143 χ^2/NDF : 565335.8/59

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: -449.933 ± 154.514 χ^2/NDF : 40.5/31

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -266.937 ± 154.502 χ^2/NDF : 29.7/36

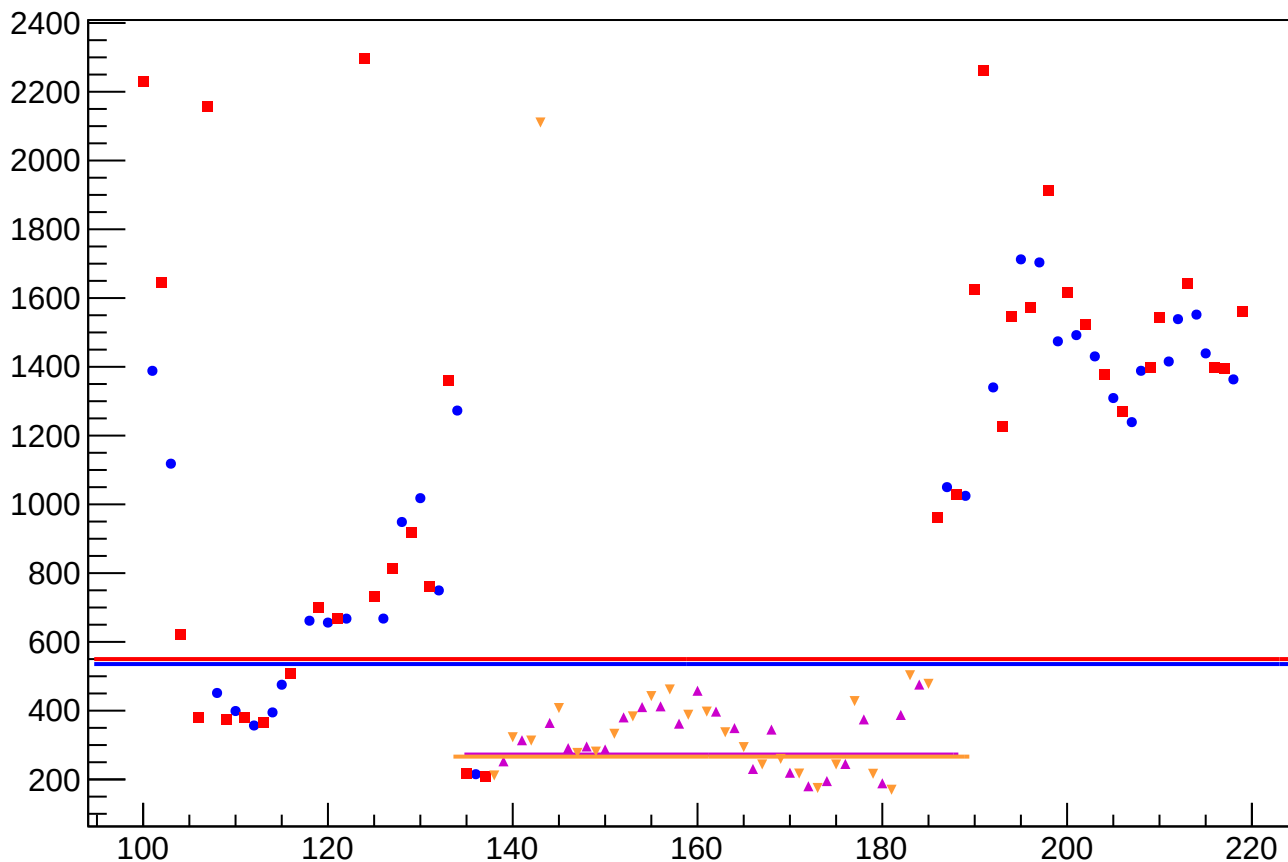
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -167.140 ± 59.962 χ^2/NDF : 92.9/56

All: -150.350 ± 42.923 χ^2/NDF : 137.4/116

- sign -132.704 ± 61.471 χ^2/NDF : 44.3/59

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 535.514 $\pm$ 0.109 χ^2 /NDF: 15942969.3/31

Left Out: 266.326 $\pm$ 0.046 χ^2 /NDF: 4630167.4/24

Right Out: 550.035 $\pm$ 0.109 χ^2 /NDF: 16548407.9/36

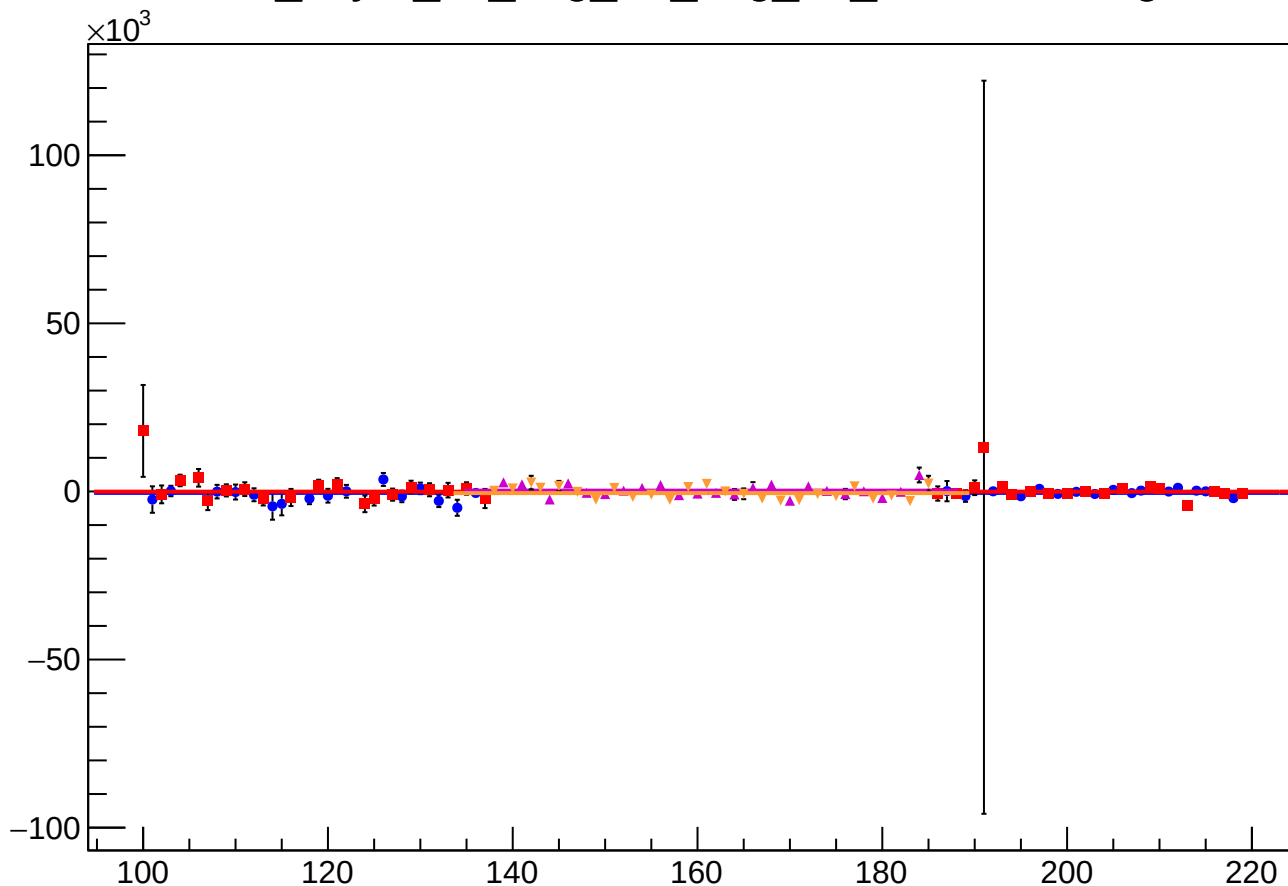
Left In: 272.378 $\pm$ 0.047 χ^2 /NDF: 2887597.1/22

+ sign 306.865 $\pm$ 0.042 χ^2 /NDF: 25729220.7/56

All: 311.480 $\pm$ 0.030 χ^2 /NDF: 50626260.8/11

- sign 316.330 $\pm$ 0.043 χ^2 /NDF: 24872741.4/59

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -425.123 ± 286.211 χ^2/NDF : 19.6/31

Left Out: -493.436 ± 282.734 χ^2/NDF : 34.2/24

Right Out: -62.295 ± 280.261 χ^2/NDF : 32.2/36

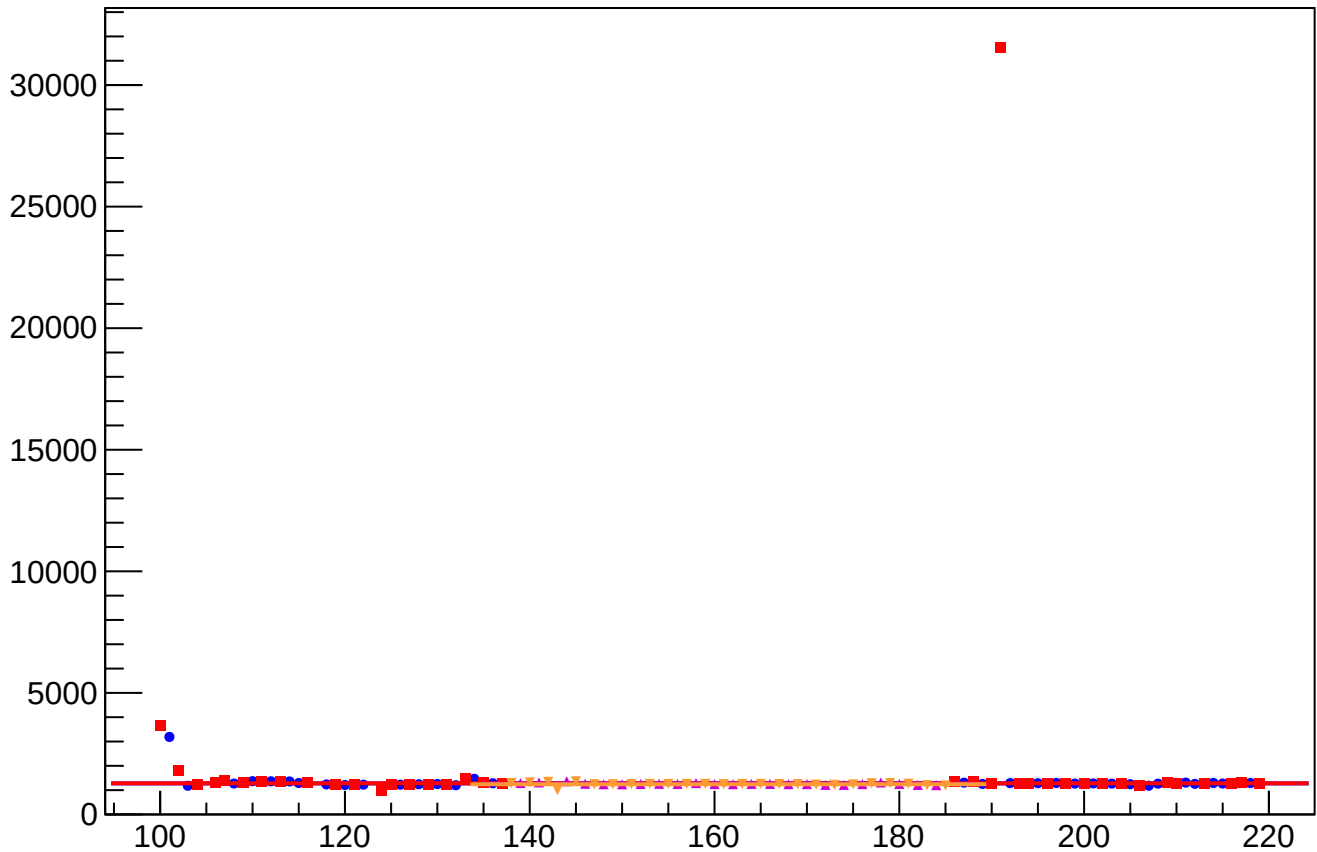
Left In: 242.004 ± 294.339 χ^2/NDF : 30.7/22

+ sign -459.697 ± 201.141 χ^2/NDF : 53.8/56

All: -191.099 ± 142.870 χ^2/NDF : 120.8/116

- sign 82.403 ± 202.969 χ^2/NDF : 63.4/59

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1277.529 $\pm$ 0.202 χ^2 /NDF: 527045.1/31

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF: 130023.1/24

Right Out: 1281.524 $\pm$ 0.198 χ^2 /NDF: 389060.8/36

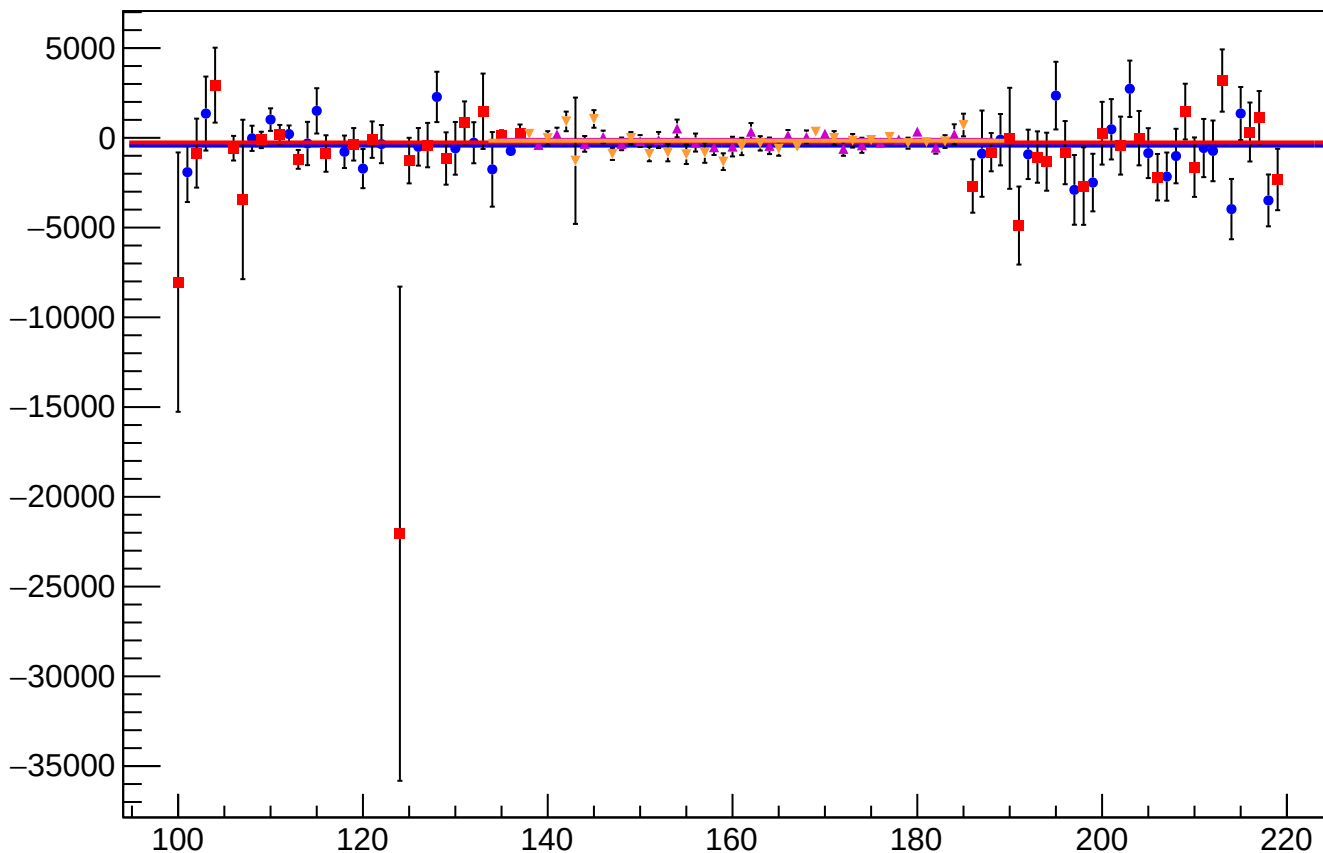
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF: 27932.1/22

+ sign 1259.820 $\pm$ 0.142 χ^2 /NDF: 672196.1/56

All: 1265.525 $\pm$ 0.101 χ^2 /NDF: 1097996.4/111

- sign 1271.334 $\pm$ 0.144 χ^2 /NDF: 422553.5/59

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug



Right In: -433.713 ± 156.119 $\chi^2/\text{NDF}: 41.0/31$

Left Out: -160.930 ± 64.133 $\chi^2/\text{NDF}: 43.8/24$

Right Out: -257.785 ± 154.587 $\chi^2/\text{NDF}: 36.5/36$

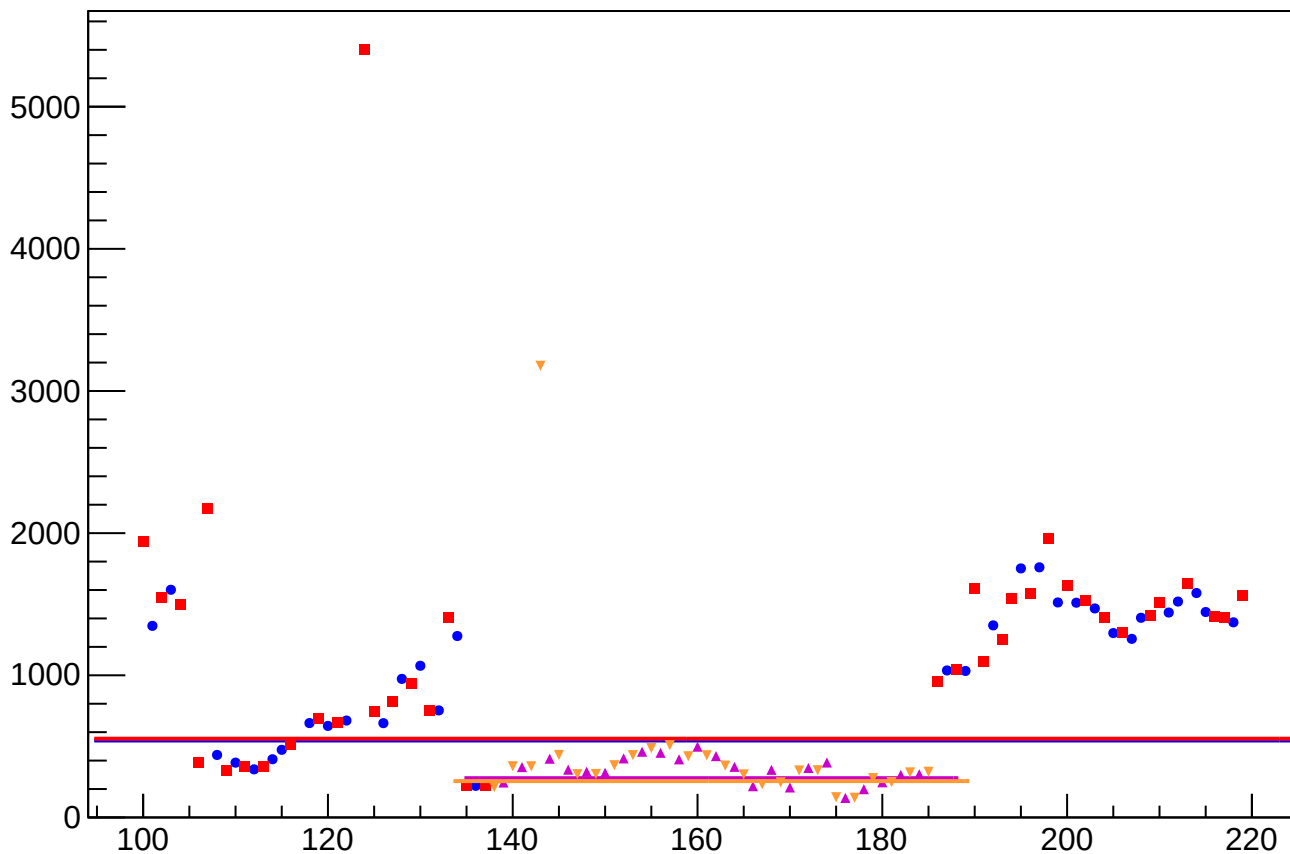
Left In: -113.722 ± 68.841 $\chi^2/\text{NDF}: 18.2/22$

+ sign -200.316 ± 59.322 $\chi^2/\text{NDF}: 87.3/56$

All: -170.768 ± 43.152 $\chi^2/\text{NDF}: 143.3/116$

- sign -137.563 ± 62.887 $\chi^2/\text{NDF}: 55.4/59$

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 541.429+/-0.110 χ^2/NDF : 16077659.3/31

Left Out: 255.768+/-0.045 χ^2/NDF : 6373929.4/24

Right Out: 553.956+/-0.109 χ^2/NDF : 17057086.1/36

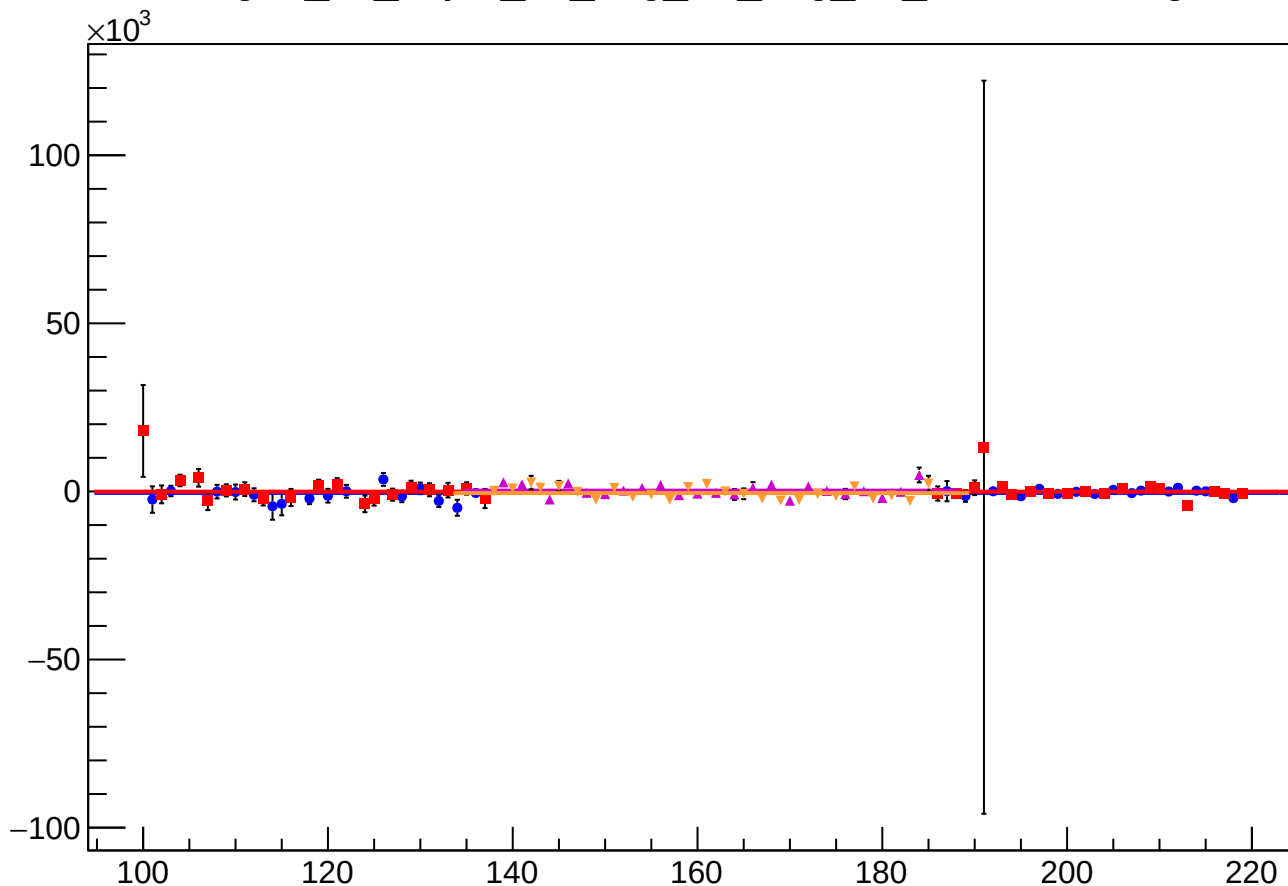
Left In: 276.298+/-0.049 χ^2/NDF : 4027410.5/22

+ sign 297.014+/-0.042 χ^2/NDF : 28180819.2/56

All: 308.896+/-0.031 χ^2/NDF : 54820122.8/11

- sign 322.248+/-0.044 χ^2/NDF : 26468896.1/59

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -425.121 ± 286.211 χ^2/NDF : 19.6/31

Left Out: -493.435 ± 282.734 χ^2/NDF : 34.2/24

Right Out: -62.294 ± 280.261 χ^2/NDF : 32.2/36

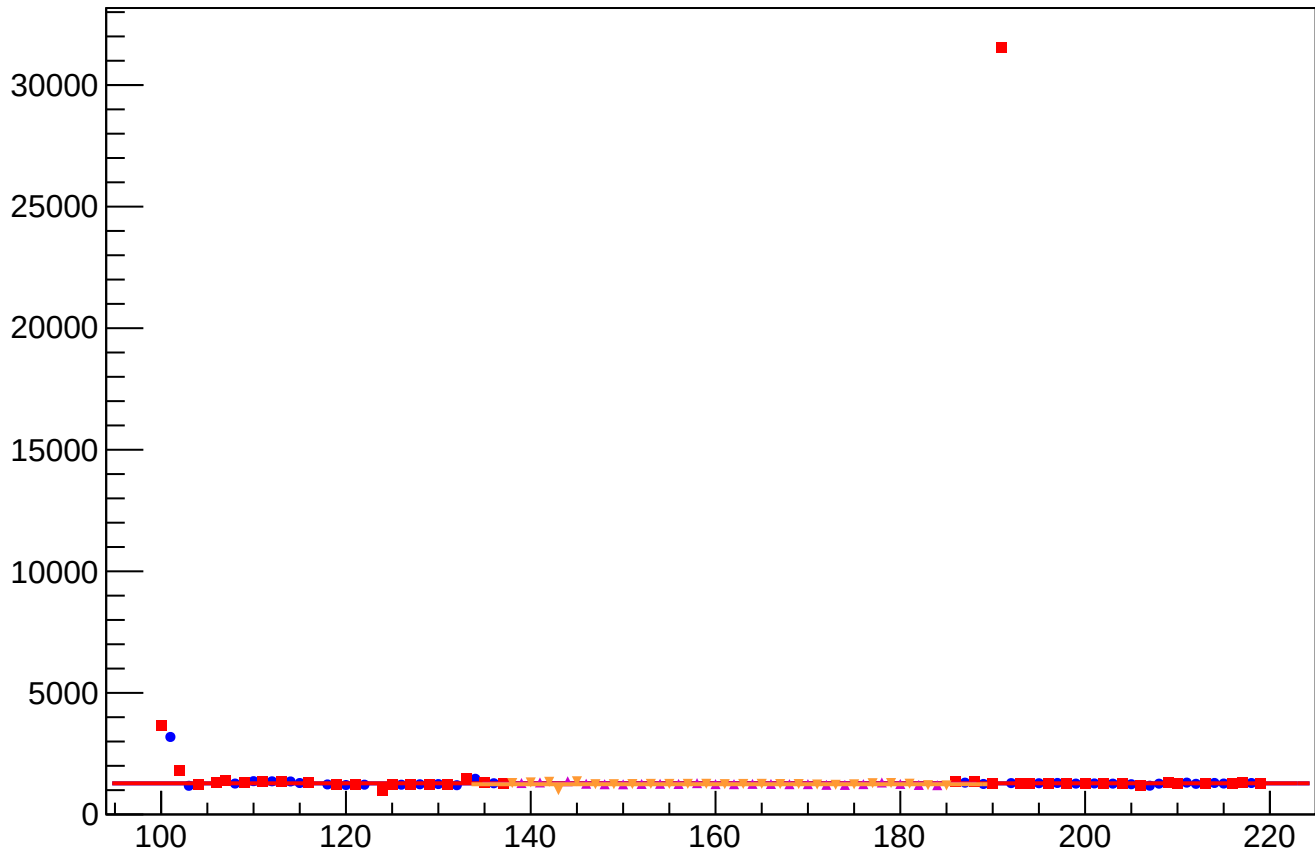
Left In: 242.004 ± 294.339 χ^2/NDF : 30.7/22

+ sign -459.696 ± 201.141 χ^2/NDF : 53.8/56

All: -191.098 ± 142.870 χ^2/NDF : 120.8/116

- sign 82.404 ± 202.969 χ^2/NDF : 63.4/59

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1277.529 $\pm$ 0.202 χ^2 /NDF: 527045.1/31

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF: 130022.2/24

Right Out: 1281.524 $\pm$ 0.198 χ^2 /NDF: 389061.1/36

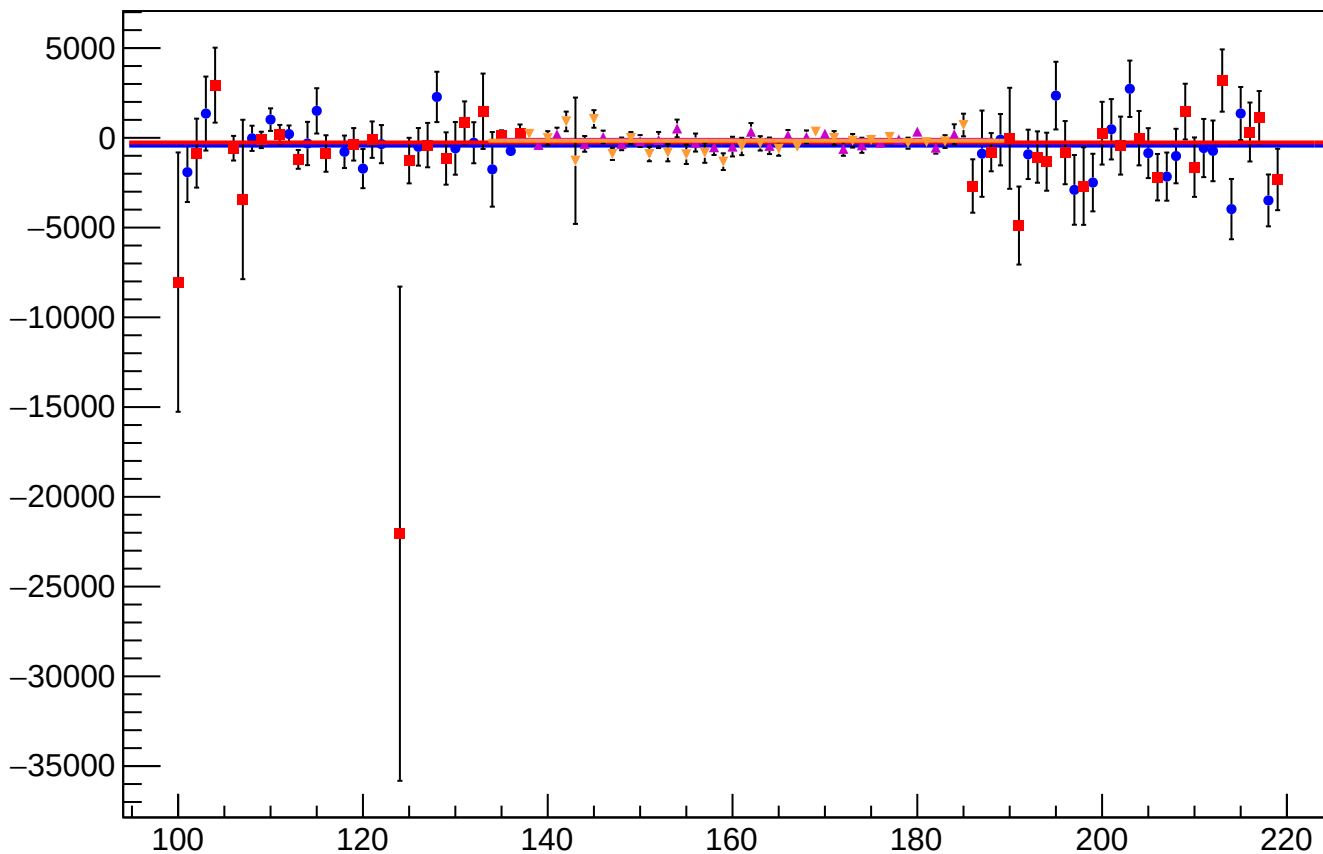
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF: 27932.2/22

+ sign 1259.820 $\pm$ 0.142 χ^2 /NDF: 672195.2/56

All: 1265.525 $\pm$ 0.101 χ^2 /NDF: 1097995.9/11

- sign 1271.334 $\pm$ 0.144 χ^2 /NDF: 422553.9/59

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: -433.716 $\pm$ 156.121 χ^2 /NDF: 41.0/31

Left Out: -160.933 $\pm$ 64.133 χ^2 /NDF:43.8/24

Right Out: -257.793 $\pm$ 154.588 χ^2 /NDF: 36.5/36

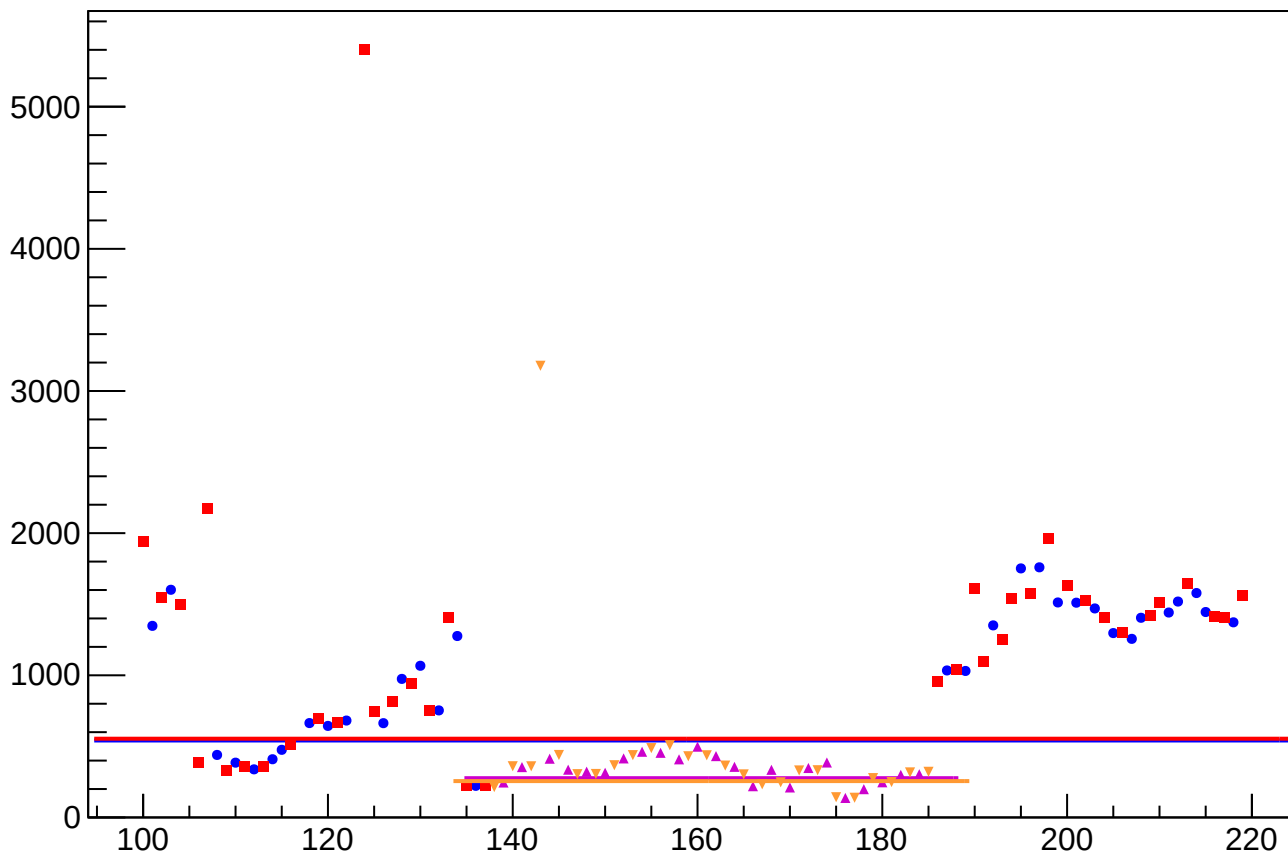
Left In: -113.720 $\pm$ 68.841 χ^2 /NDF:18.2/22

+ sign -200.318 $\pm$ 59.323 χ^2 /NDF: 87.3/56

All: -170.769 $\pm$ 43.153 χ^2 /NDF: 143.3/116

- sign -137.562 $\pm$ 62.887 χ^2 /NDF: 55.4/59

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 541.442+/-0.110 χ^2/NDF : 16077189.3/31

Left Out: 255.770+/-0.045 χ^2/NDF : 6373829.7/24

Right Out: 553.967+/-0.109 χ^2/NDF : 17056723.2/36

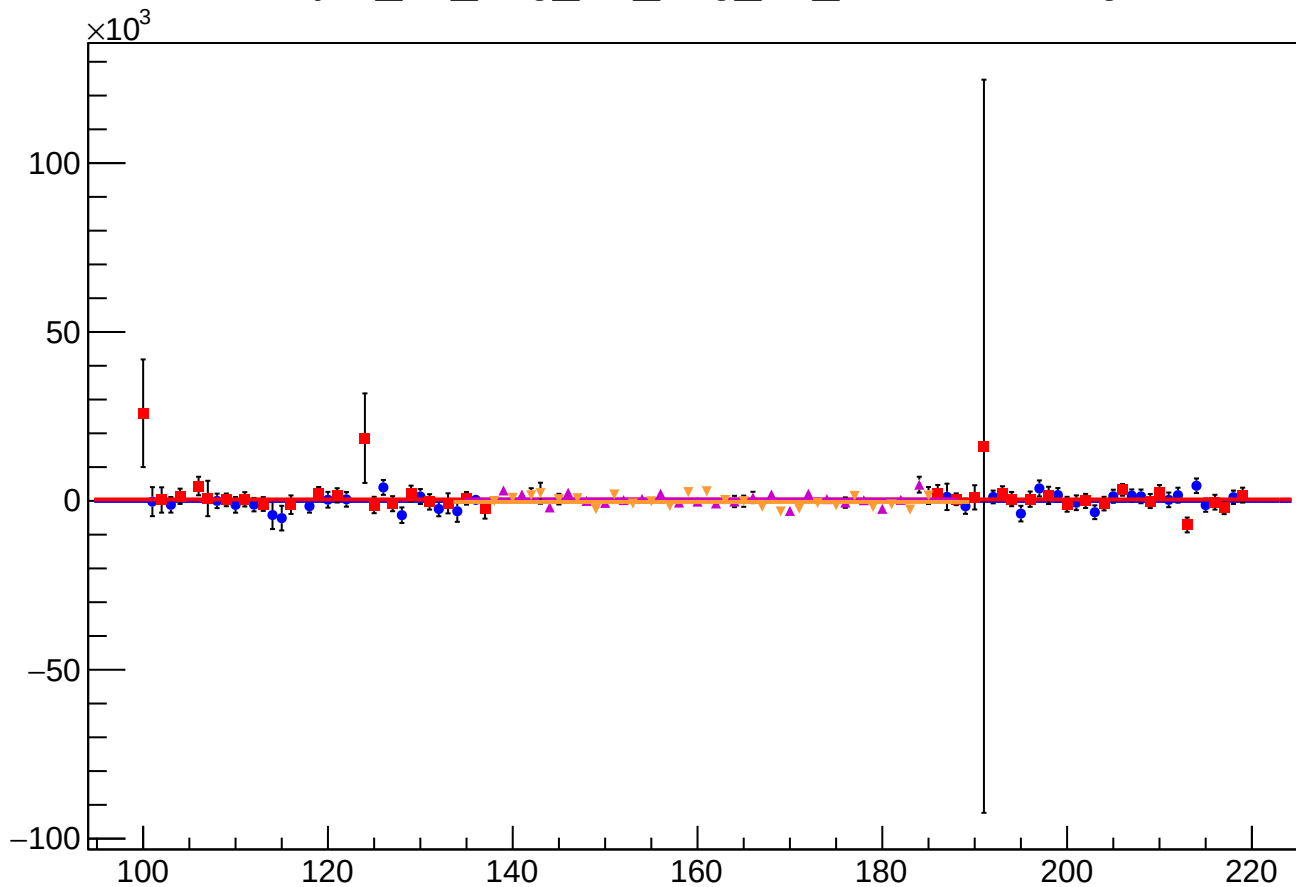
Left In: 276.299+/-0.049 χ^2/NDF : 4027371.0/22

+ sign 297.016+/-0.042 χ^2/NDF : 28180575.6/56

All: 308.897+/-0.031 χ^2/NDF : 54819738.6/11

- sign 322.250+/-0.044 χ^2/NDF : 26468769.3/59

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -3.835 ± 386.837 χ^2/NDF : 30.5/31

Left Out: -319.744 ± 298.271 χ^2/NDF : 31.6/24

Right Out: 416.568 ± 383.461 χ^2/NDF : 31.1/36

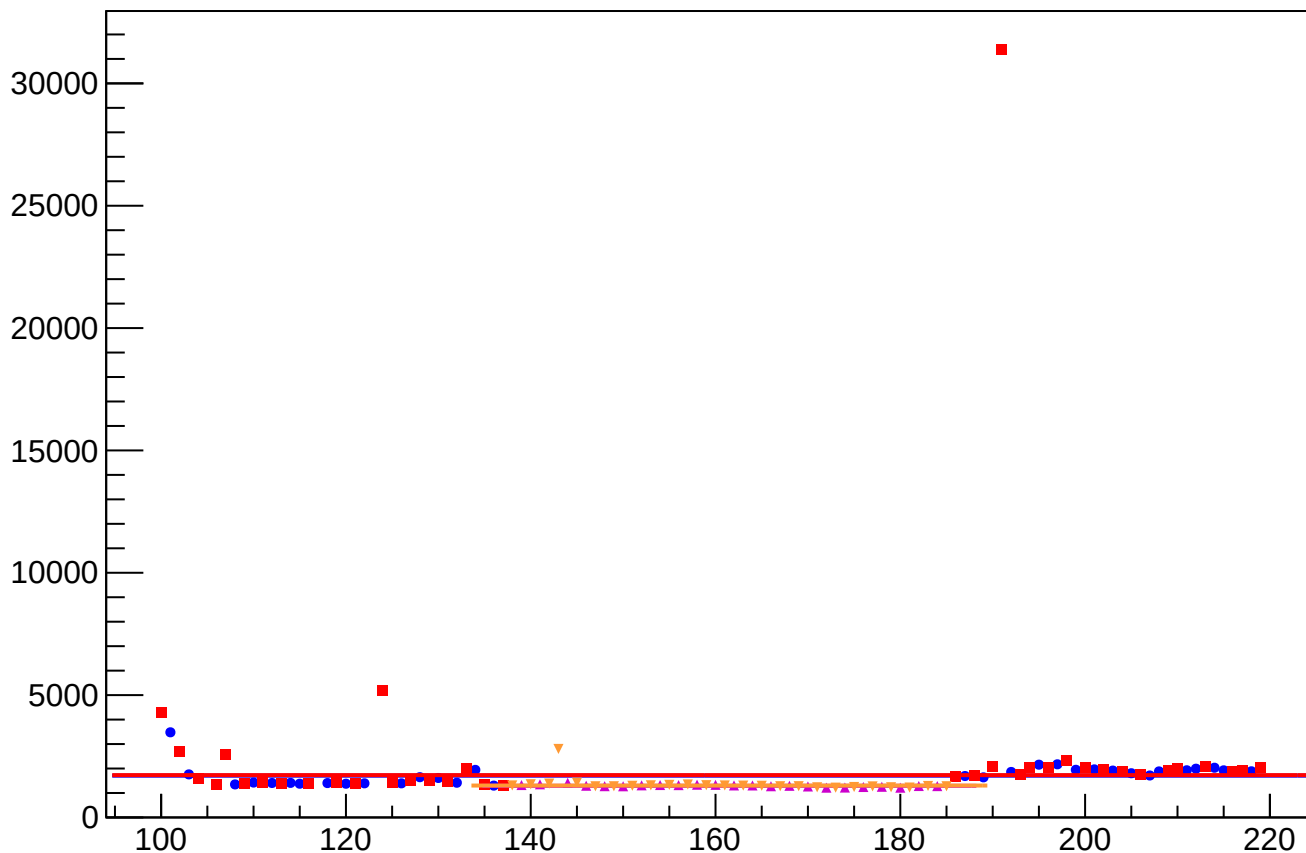
Left In: 356.387 ± 301.902 χ^2/NDF : 29.7/22

+ sign -201.957 ± 236.209 χ^2/NDF : 62.5/56

All: 87.503 ± 167.377 χ^2/NDF : 126.3/116

- sign 379.416 ± 237.208 χ^2/NDF : 60.7/59

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1708.263+/-0.274 χ^2/NDF : 1296769.5/31

Left Out: 1304.156+/-0.211 χ^2/NDF : 519609.1/24

Right Out: 1729.554+/-0.271 χ^2/NDF : 1574246.7/36

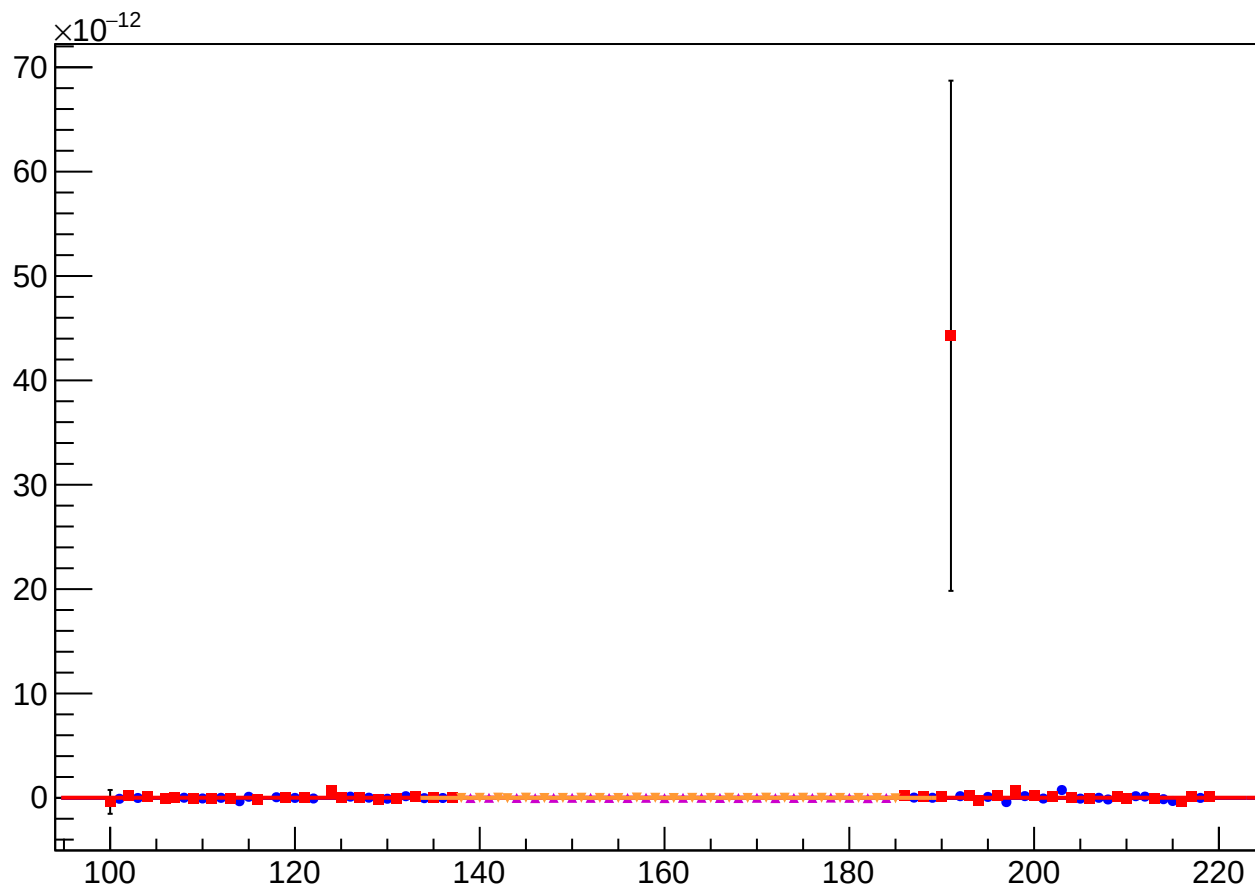
Left In: 1292.123+/-0.213 χ^2/NDF : 48343.1/22

+ sign 1454.828+/-0.167 χ^2/NDF : 3185172.5/56

All: 1457.160+/-0.118 χ^2/NDF : 6414836.7/11

- sign 1459.511+/-0.168 χ^2/NDF : 3229272.8/59

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 34.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 24.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 44.4/36

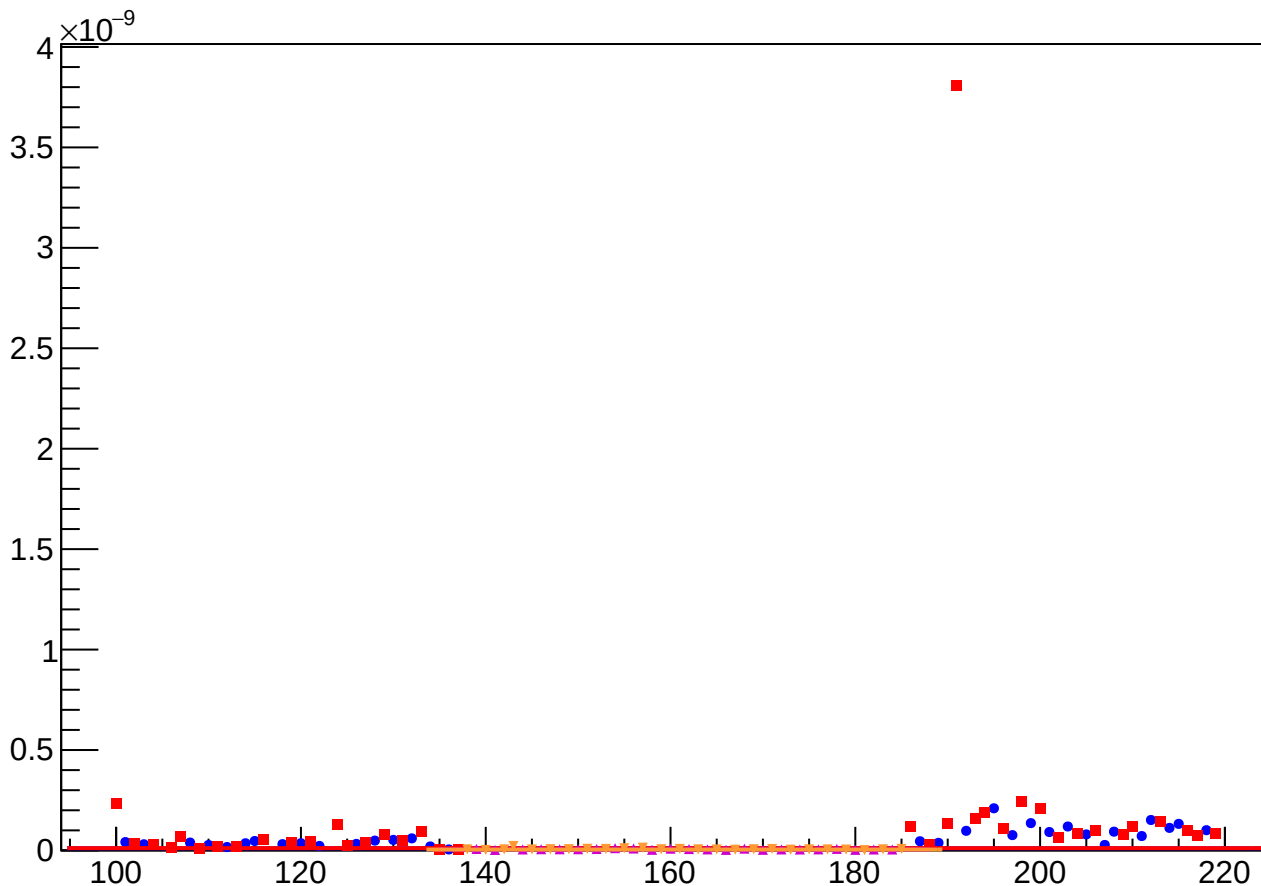
Left In: 0.000+/-0.000 χ^2/NDF : 29.6/22

+ sign -0.000+/-0.000 χ^2/NDF : 61.2/56

All: 0.000+/-0.000 χ^2/NDF : 138.0/116

- sign 0.000+/-0.000 χ^2/NDF : 76.3/59

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10777670.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12572890.2/36

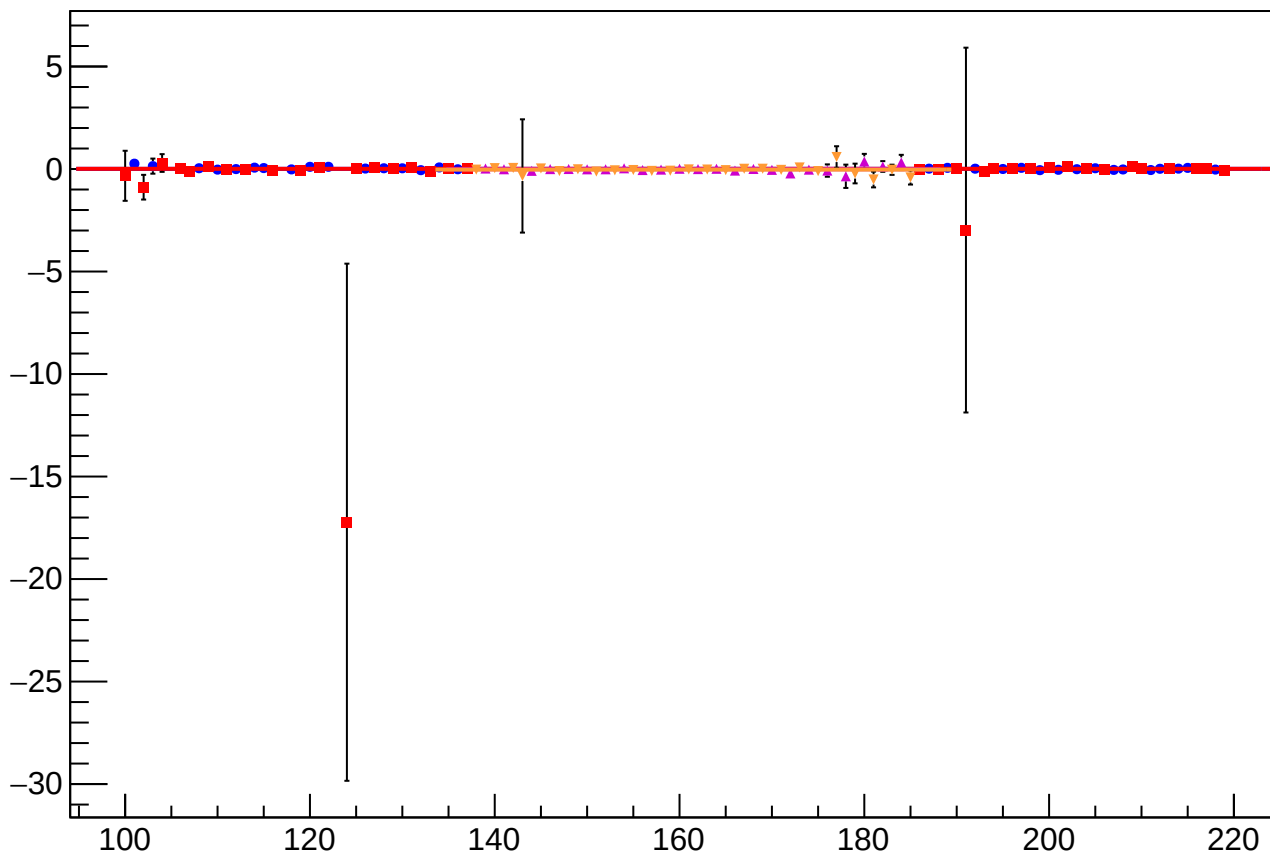
Left In: 0.000+/-0.000 χ^2/NDF : 1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 14885456.3/56

All: 0.000+/-0.000 χ^2/NDF : 30752290.7/116

- sign 0.000+/-0.000 χ^2/NDF : 15840693.9/59

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.010 χ^2/NDF : 19.2/31

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.010 ± 0.010 χ^2/NDF : 30.9/36

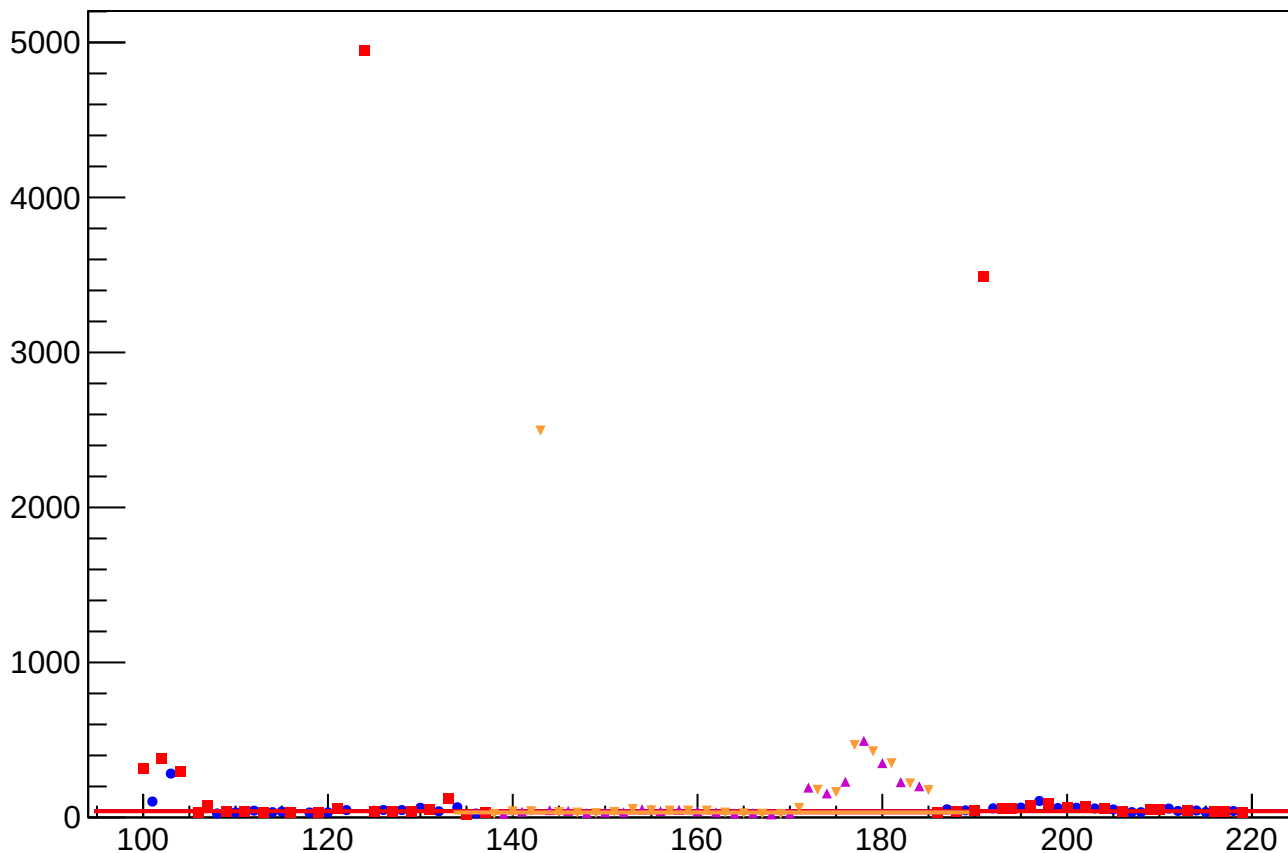
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.012 ± 0.007 χ^2/NDF : 53.4/56

All: -0.006 ± 0.005 χ^2/NDF : 100.9/116

- sign -0.001 ± 0.007 χ^2/NDF : 46.3/59

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.228+/-0.007 χ^2/NDF : 4315175.4/31

Left Out: 32.551+/-0.007 χ^2/NDF : 10871758.1/24

Right Out: 40.407+/-0.007 χ^2/NDF : 5642083.0/36

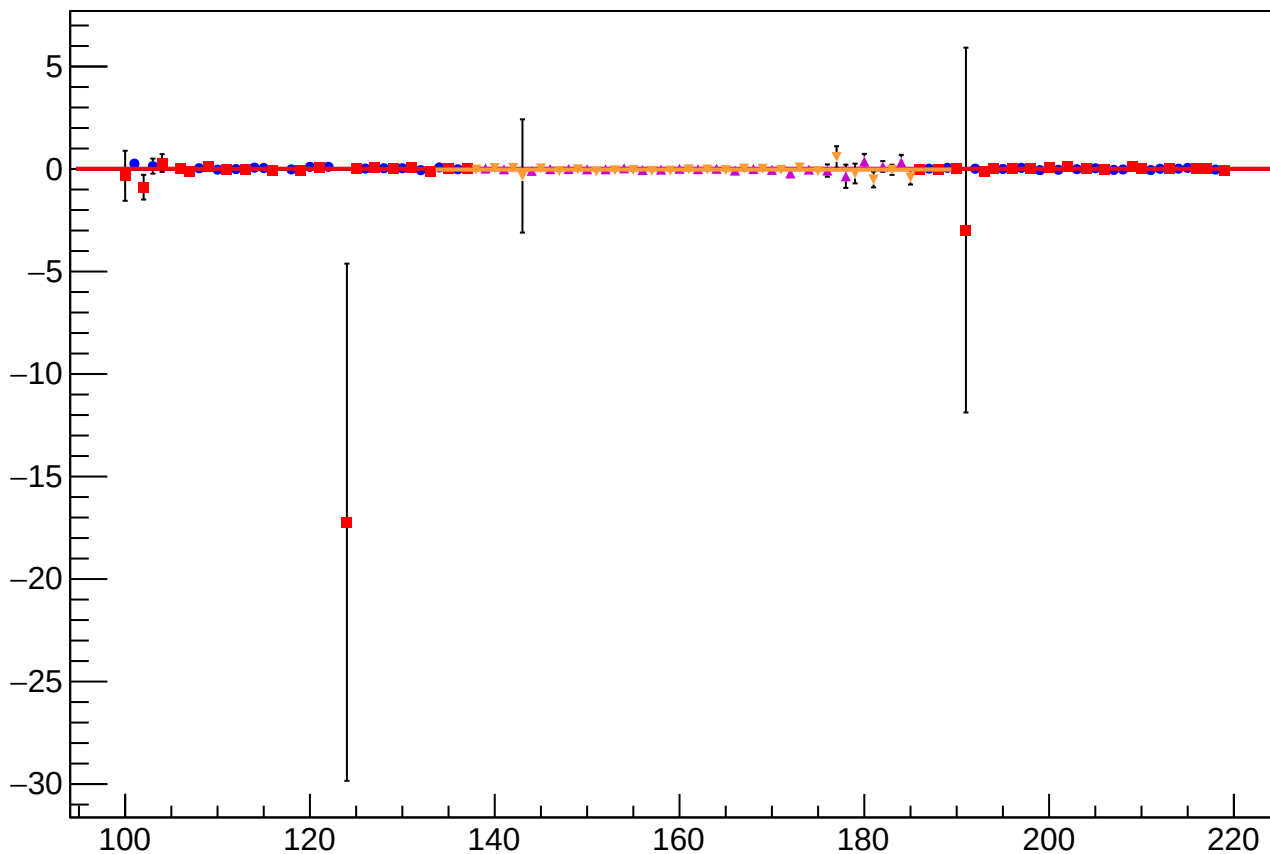
Left In: 32.738+/-0.007 χ^2/NDF : 8963240.8/22

+ sign 36.516+/-0.005 χ^2/NDF : 15946757.1/56

All: 36.436+/-0.003 χ^2/NDF : 31167927.6/116

- sign 36.359+/-0.005 χ^2/NDF : 15220659.4/59

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.010 χ^2/NDF : 19.2/31

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.010 ± 0.010 χ^2/NDF : 30.9/36

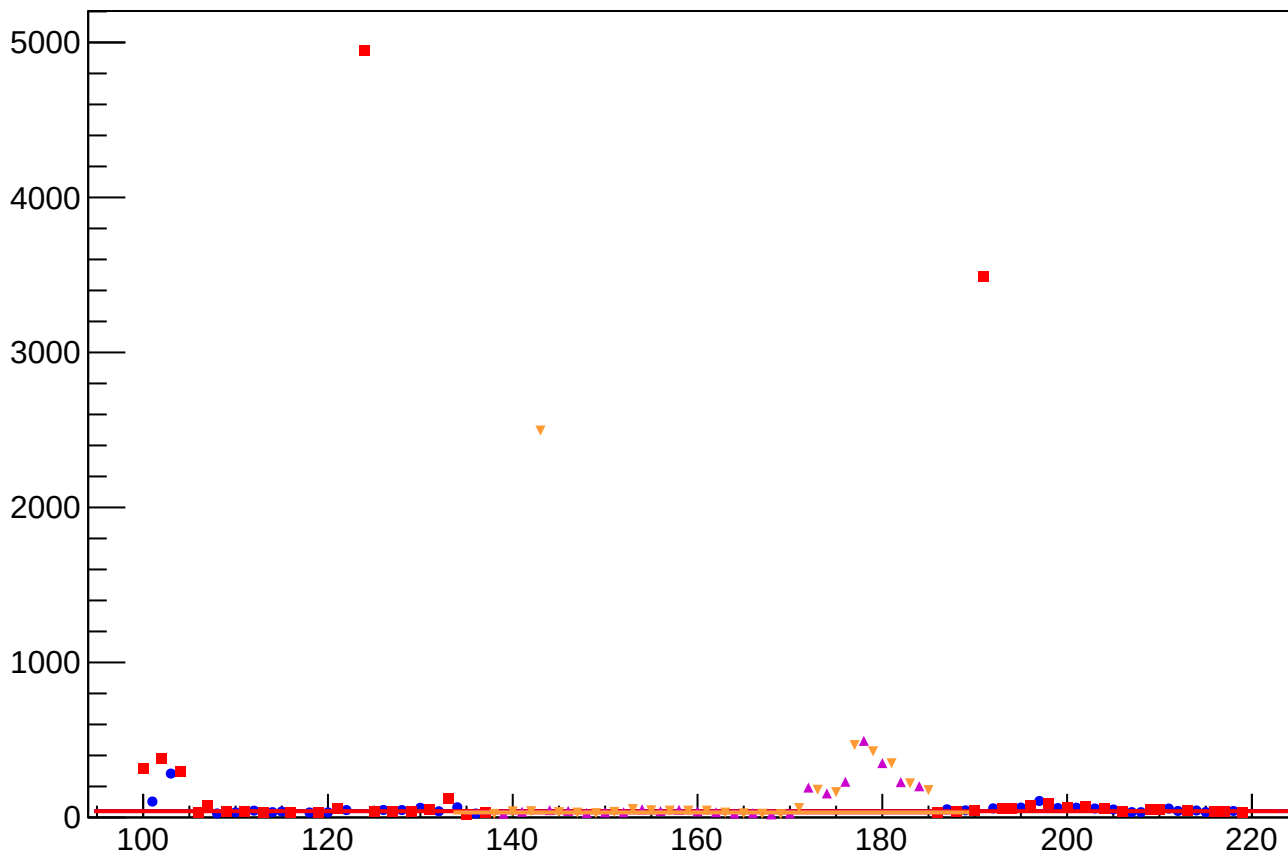
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.012 ± 0.007 χ^2/NDF : 53.4/56

All: -0.006 ± 0.005 χ^2/NDF : 100.9/116

- sign -0.001 ± 0.007 χ^2/NDF : 46.3/59

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.228+/-0.007 χ^2/NDF : 4315175.4/31

Left Out: 32.551+/-0.007 χ^2/NDF : 10871758.1/24

Right Out: 40.407+/-0.007 χ^2/NDF : 5642083.0/36

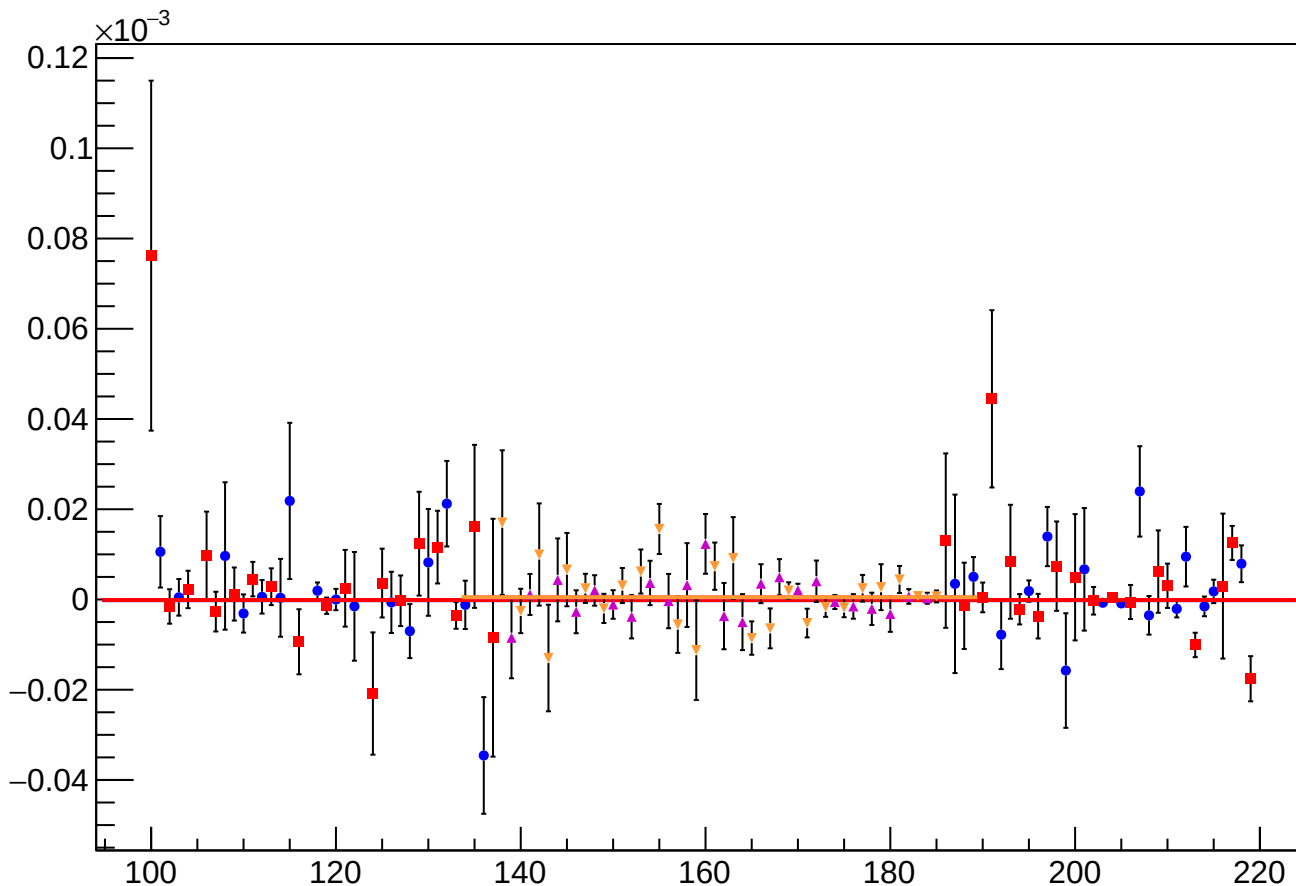
Left In: 32.738+/-0.007 χ^2/NDF : 8963240.8/22

+ sign 36.516+/-0.005 χ^2/NDF : 15946757.1/56

All: 36.436+/-0.003 χ^2/NDF : 31167927.6/116

- sign 36.359+/-0.005 χ^2/NDF : 15220659.4/59

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 44.8/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 35.7/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 64.3/36

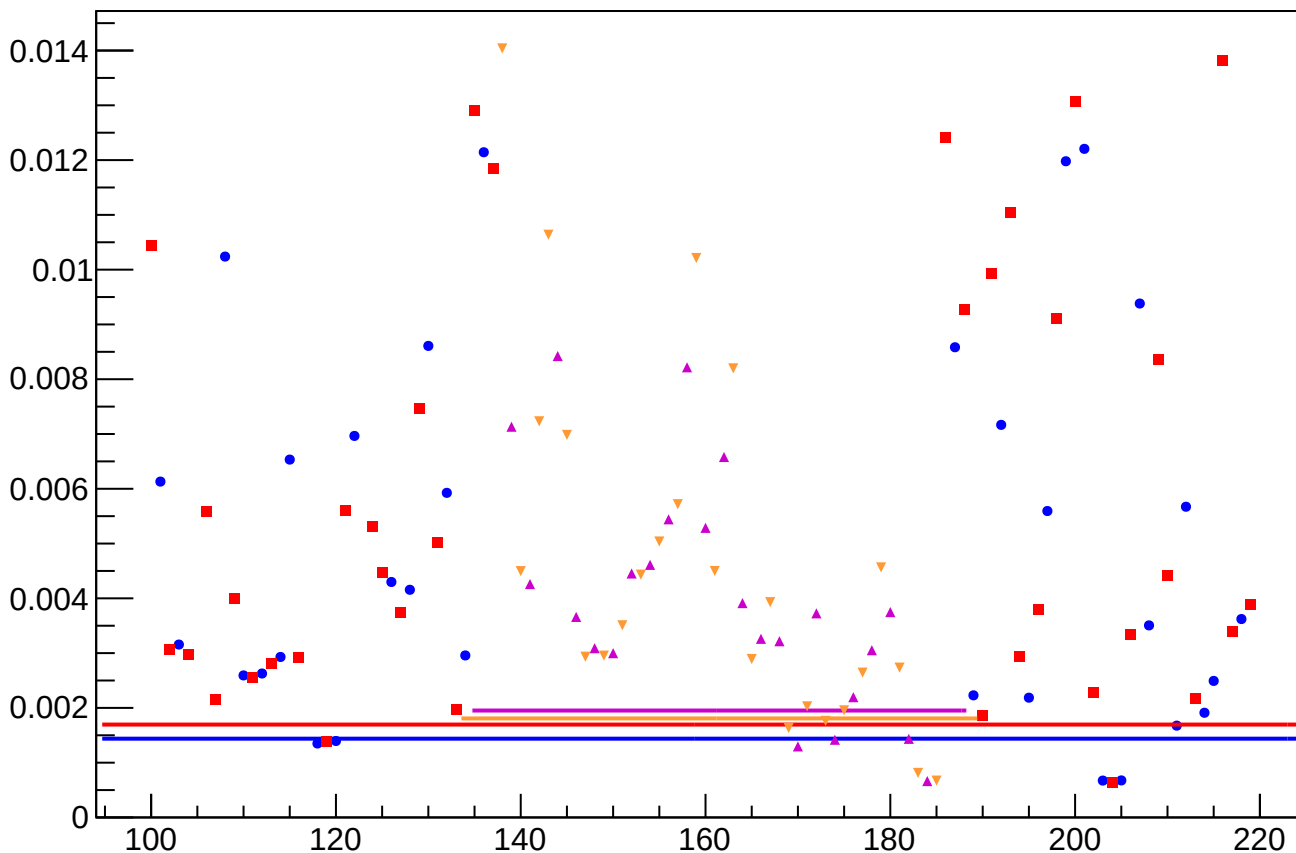
Left In: 0.000 ± 0.000 χ^2/NDF : 13.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 81.4/56

All: 0.000 ± 0.000 χ^2/NDF : 159.9/116

- sign 0.000 ± 0.000 χ^2/NDF : 78.5/59

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 17883607.9/31

Left Out: 0.002+/-0.000 χ^2/NDF : 14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 19241886.0/36

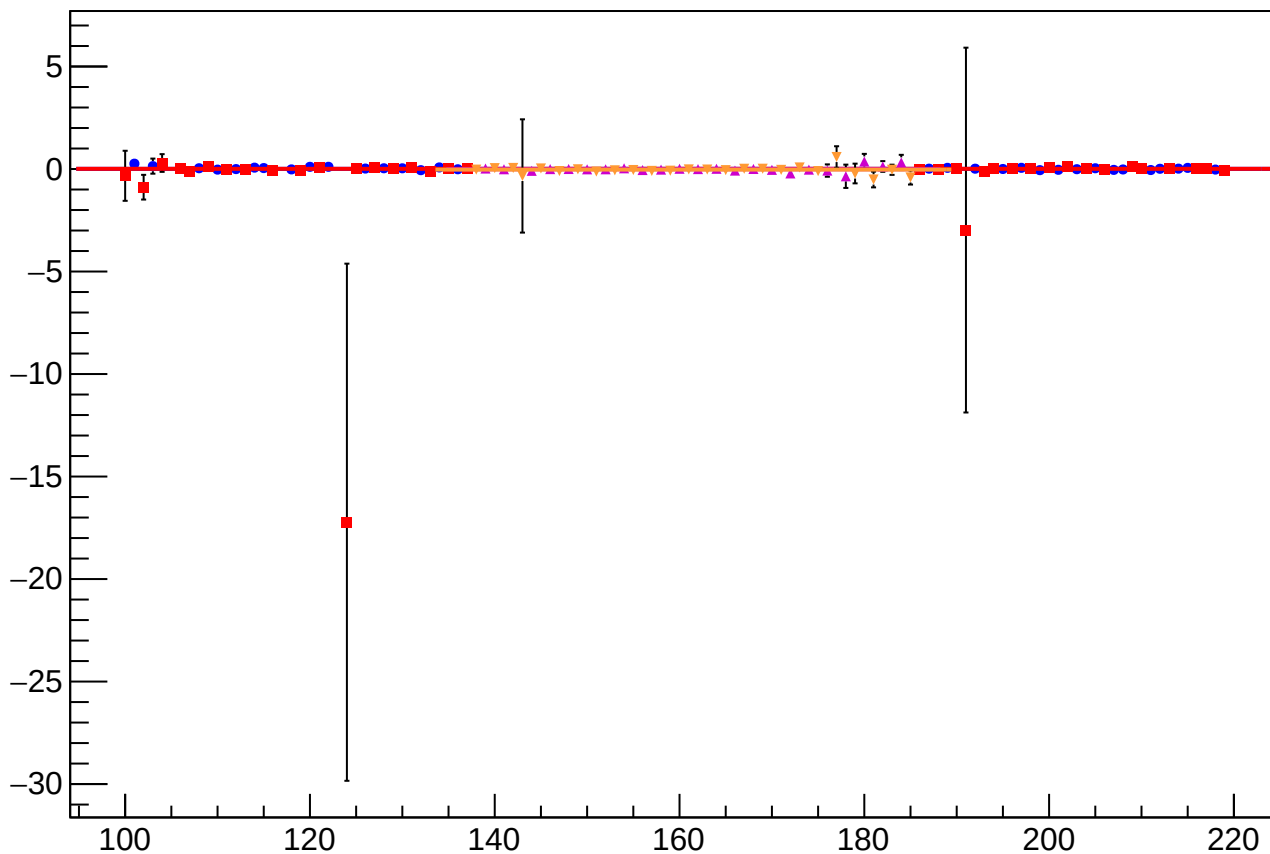
Left In: 0.002+/-0.000 χ^2/NDF : 11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 33349898.1/56

All: 0.002+/-0.000 χ^2/NDF : 64608607.7/116

- sign 0.002+/-0.000 χ^2/NDF : 30927021.4/59

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.010 χ^2/NDF : 19.2/31

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.010 ± 0.010 χ^2/NDF : 30.9/36

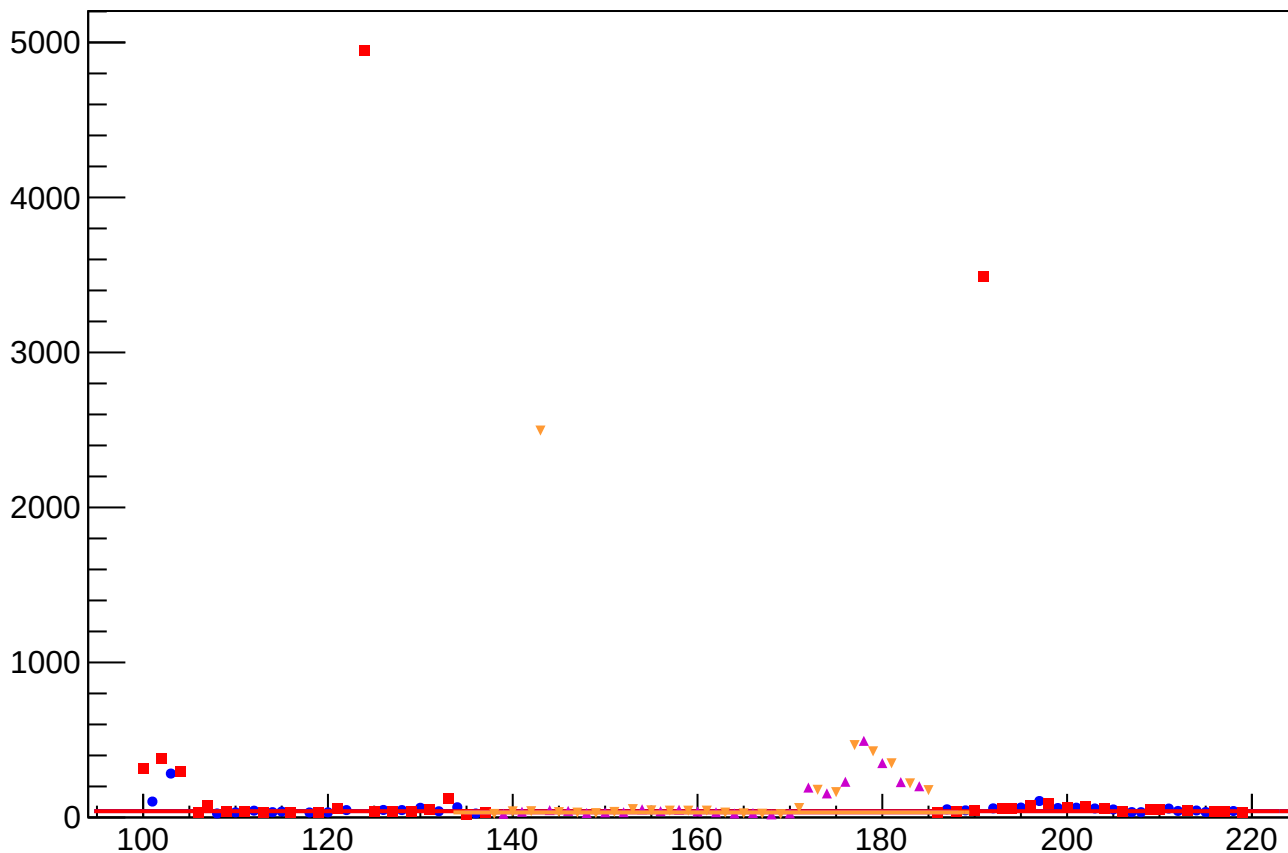
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.012 ± 0.007 χ^2/NDF : 53.4/56

All: -0.006 ± 0.005 χ^2/NDF : 100.9/116

- sign -0.001 ± 0.007 χ^2/NDF : 46.3/59

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.228+/-0.007 χ^2/NDF : 4314811.8/31

Left Out: 32.551+/-0.007 χ^2/NDF : 10872015.8/24

Right Out: 40.408+/-0.007 χ^2/NDF : 5641847.8/36

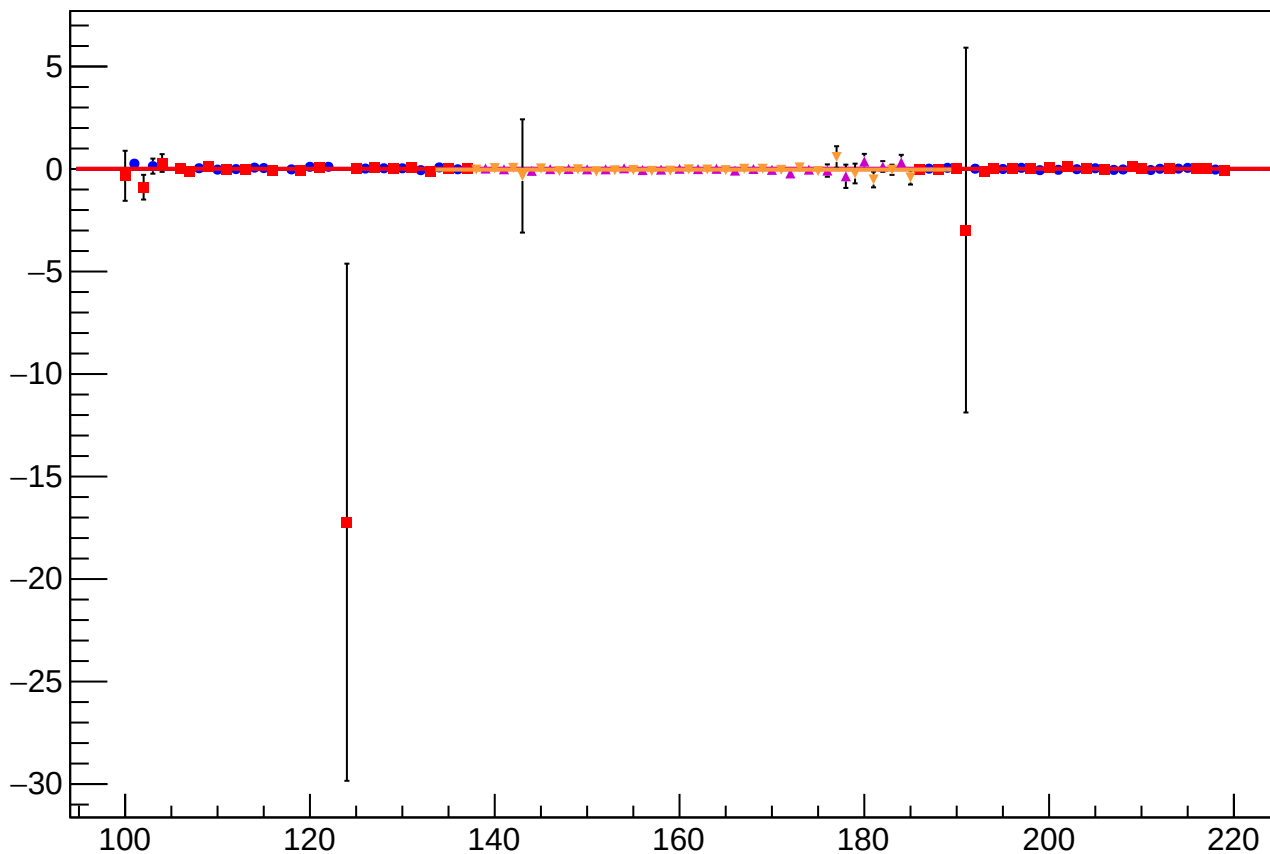
Left In: 32.737+/-0.007 χ^2/NDF : 8963873.9/22

+ sign 36.516+/-0.005 χ^2/NDF : 15946717.5/56

All: 36.436+/-0.003 χ^2/NDF : 31168524.1/116

- sign 36.358+/-0.005 χ^2/NDF : 15221291.0/59

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.010 χ^2/NDF : 19.2/31

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.010 ± 0.010 χ^2/NDF : 30.9/36

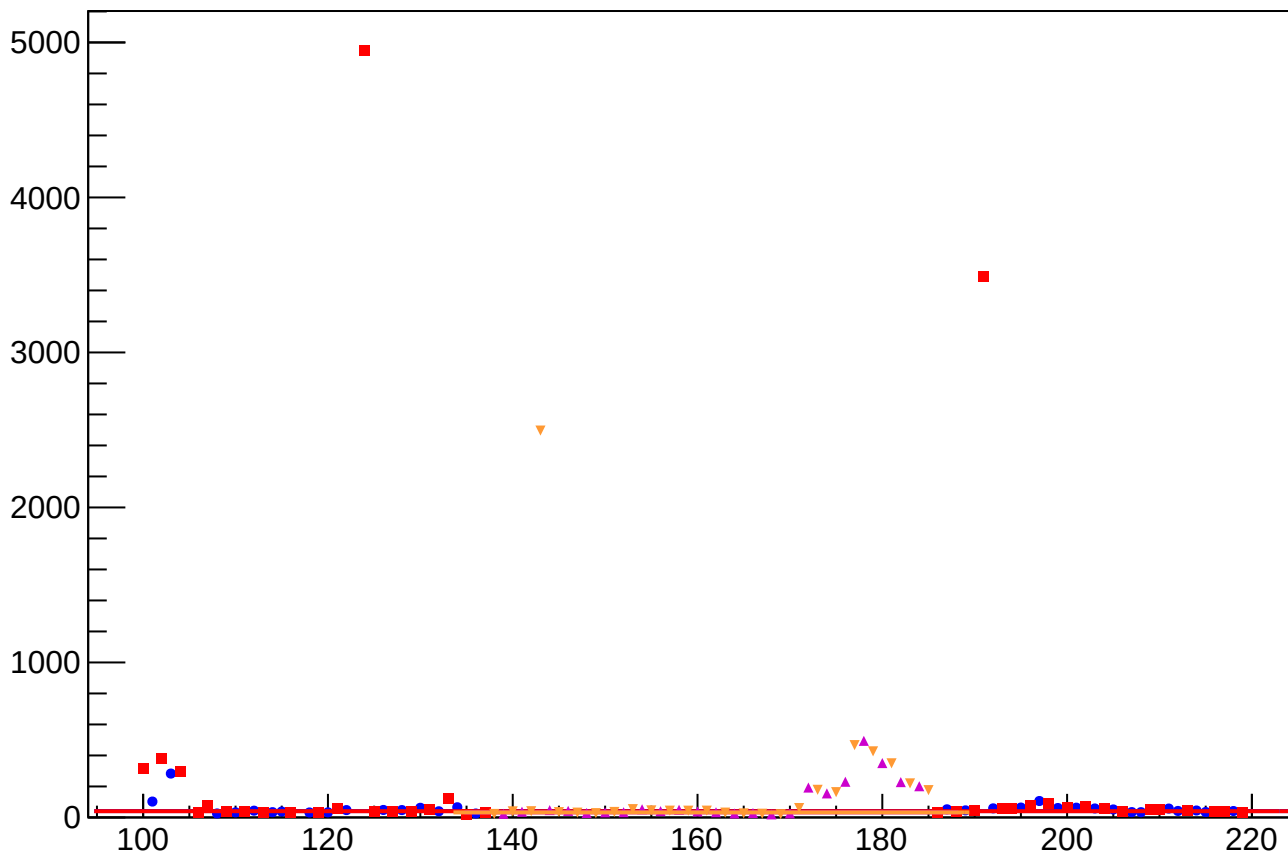
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.012 ± 0.007 χ^2/NDF : 53.4/56

All: -0.006 ± 0.005 χ^2/NDF : 100.9/116

- sign -0.001 ± 0.007 χ^2/NDF : 46.3/59

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.228 $\pm$ 0.007 χ^2 /NDF: 4314811.8/31

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10872015.8/24

Right Out: 40.408 $\pm$ 0.007 χ^2 /NDF: 5641847.8/36

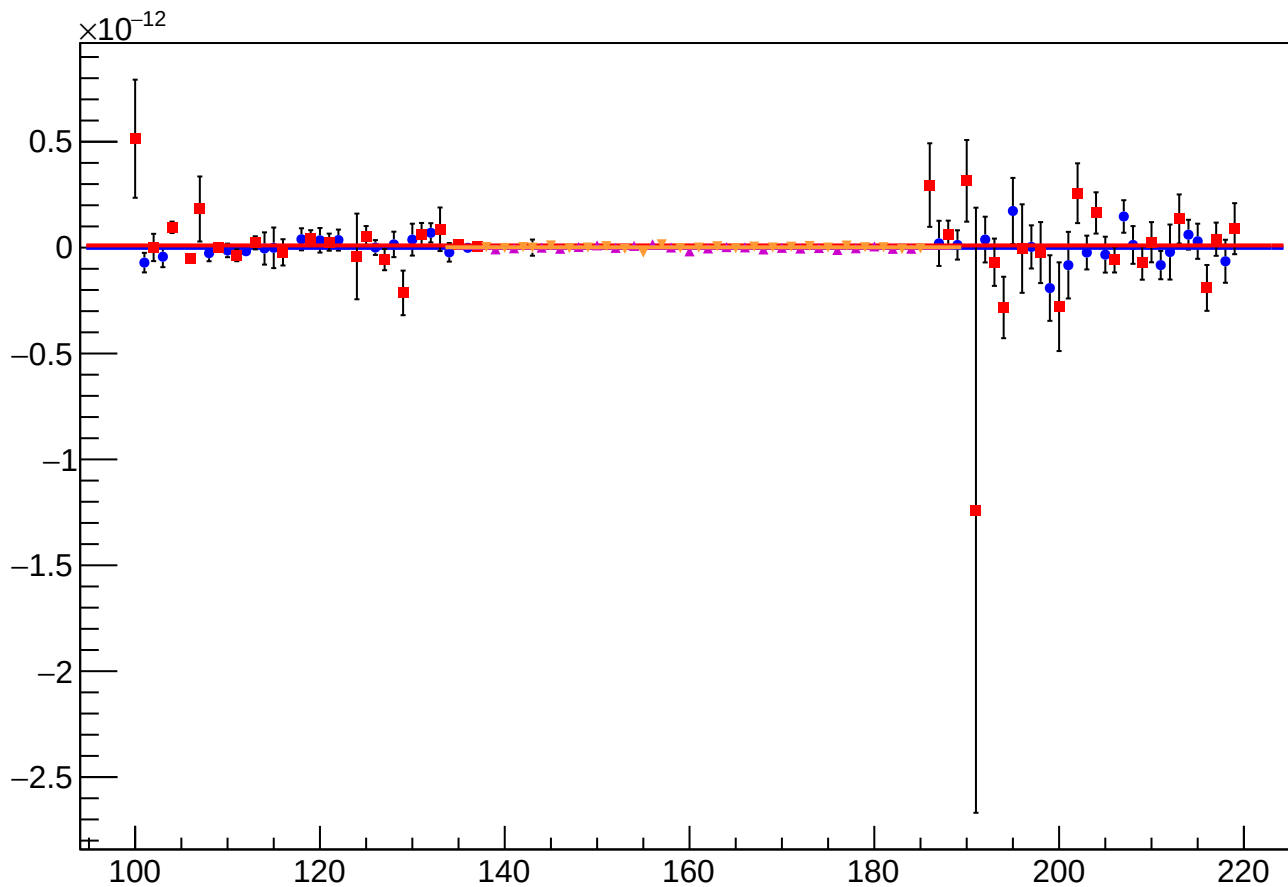
Left In: 32.737 $\pm$ 0.007 χ^2 /NDF: 8963873.9/22

+ sign 36.516 $\pm$ 0.005 χ^2 /NDF: 15946717.5/56

All: 36.436 $\pm$ 0.003 χ^2 /NDF: 31168524.1/116

- sign 36.358 $\pm$ 0.005 χ^2 /NDF: 15221291.0/59

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 18.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 18.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 65.5/36

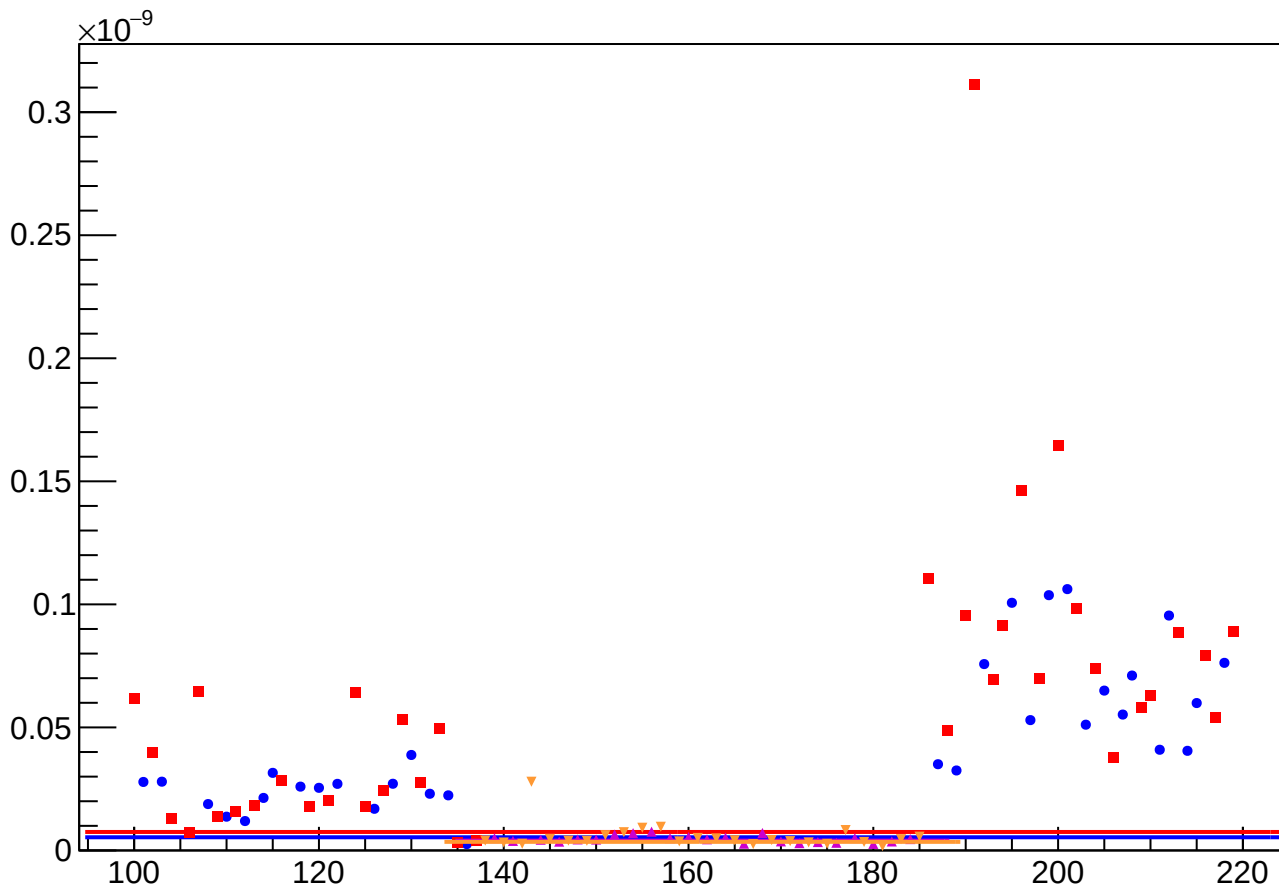
Left In: -0.000+/-0.000 χ^2/NDF : 28.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 37.3/56

All: 0.000+/-0.000 χ^2/NDF : 139.9/116

- sign -0.000+/-0.000 χ^2/NDF : 101.4/59

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 16874327.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 17918262.2/36

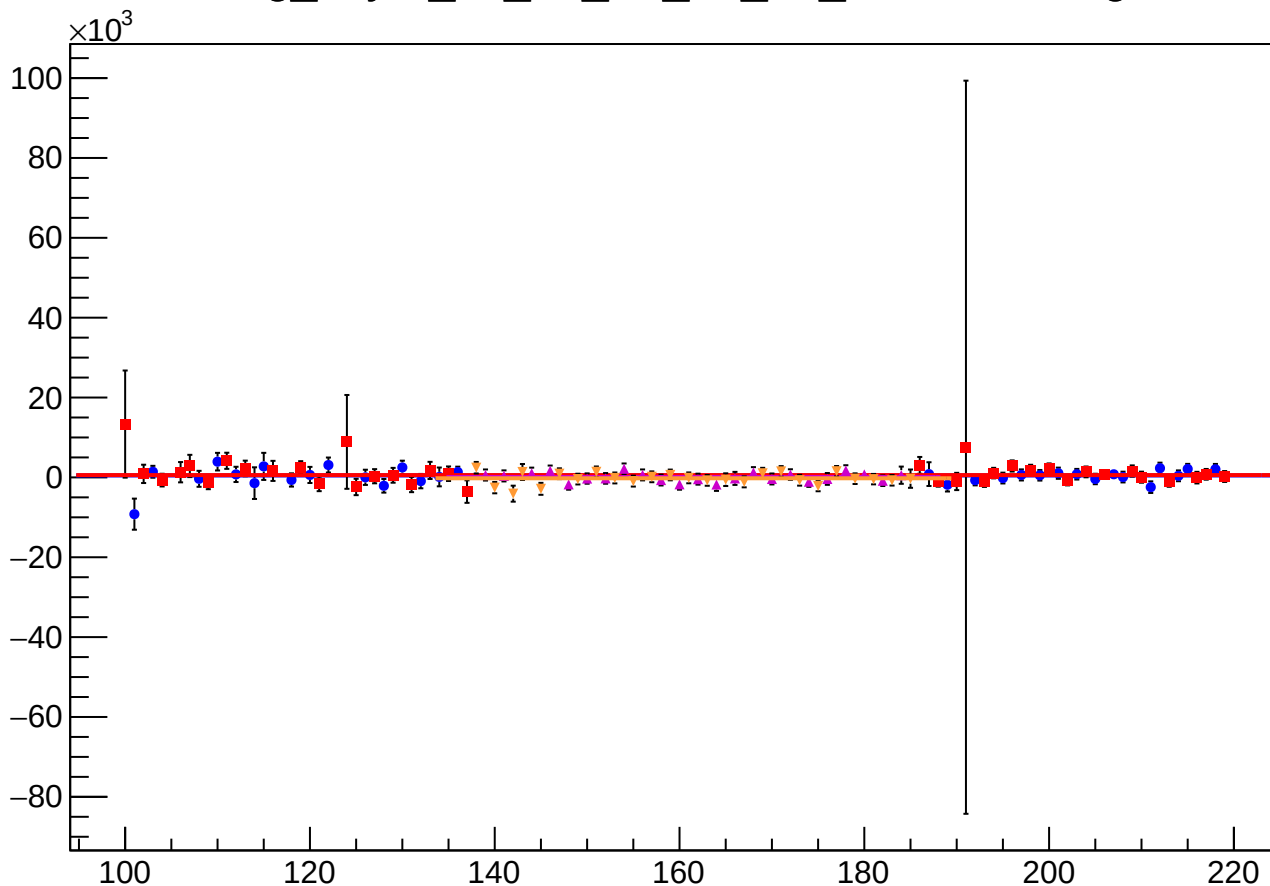
Left In: 0.000+/-0.000 χ^2/NDF : 2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 22113338.0/56

All: 0.000+/-0.000 χ^2/NDF : 43765488.4/116

- sign 0.000+/-0.000 χ^2/NDF : 21362391.1/59

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 483.312 ± 282.483 χ^2/NDF : 29.6/31

Left Out: -220.721 ± 283.055 χ^2/NDF : 23.9/24

Right Out: 576.736 ± 277.611 χ^2/NDF : 29.8/36

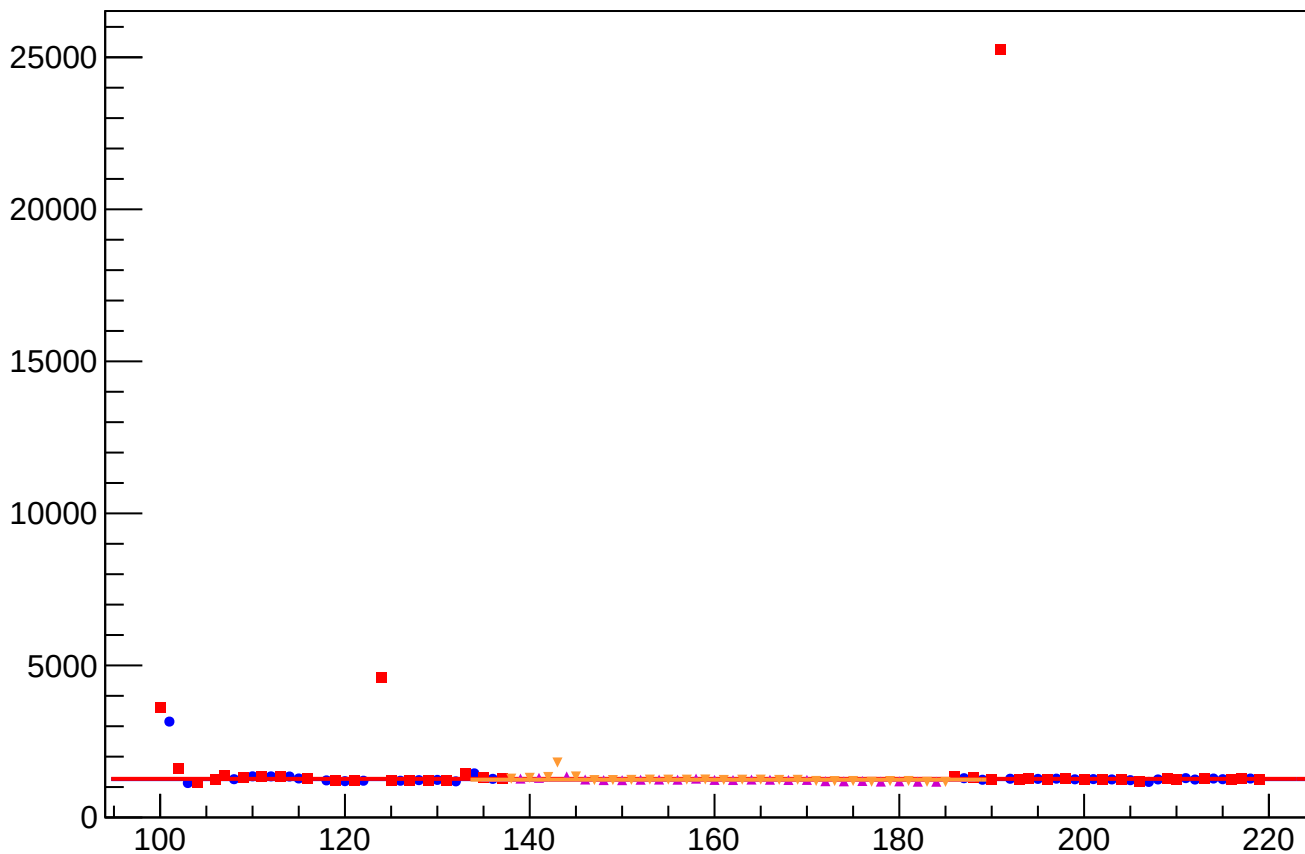
Left In: 92.402 ± 288.217 χ^2/NDF : 14.7/22

+ sign 132.008 ± 199.947 χ^2/NDF : 56.6/56

All: 237.827 ± 141.383 χ^2/NDF : 103.1/116

- sign 343.644 ± 199.945 χ^2/NDF : 46.0/59

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1260.790 $\pm$ 0.200 χ^2 /NDF: 536064.1/31

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1269.545 $\pm$ 0.196 χ^2 /NDF: 487602.8/36

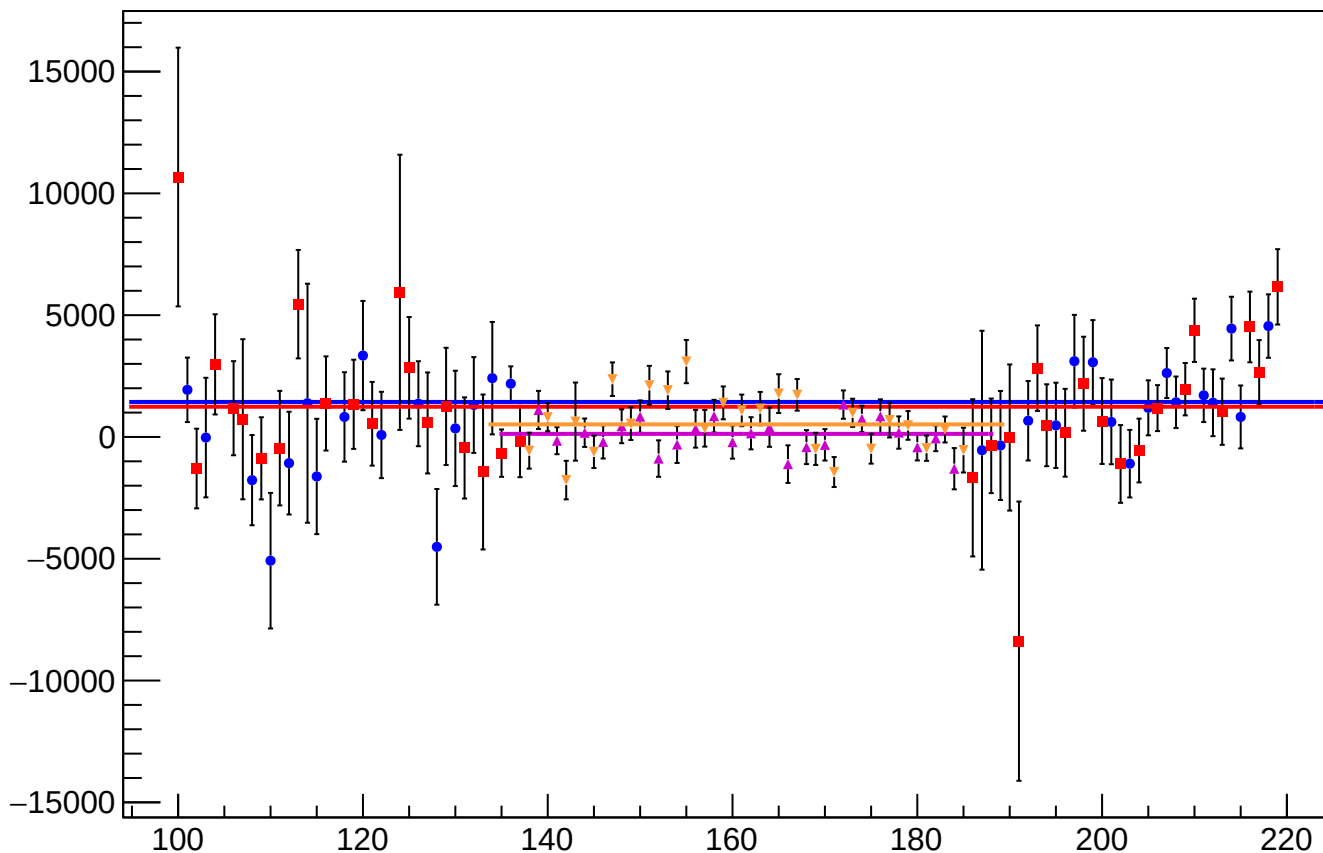
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.8/22

+ sign 1251.825 $\pm$ 0.141 χ^2 /NDF: 743399.5/56

All: 1252.072 $\pm$ 0.100 χ^2 /NDF: 1286290.9/11

- sign 1252.320 $\pm$ 0.141 χ^2 /NDF: 542885.2/59

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 1437.772 $\pm$ 270.298 χ^2 /NDF: 40.5/31

Left Out: 516.792 $\pm$ 135.746 χ^2 /NDF: 67.0/24

Right Out: 1240.765 $\pm$ 279.291 χ^2 /NDF: 52.7/36

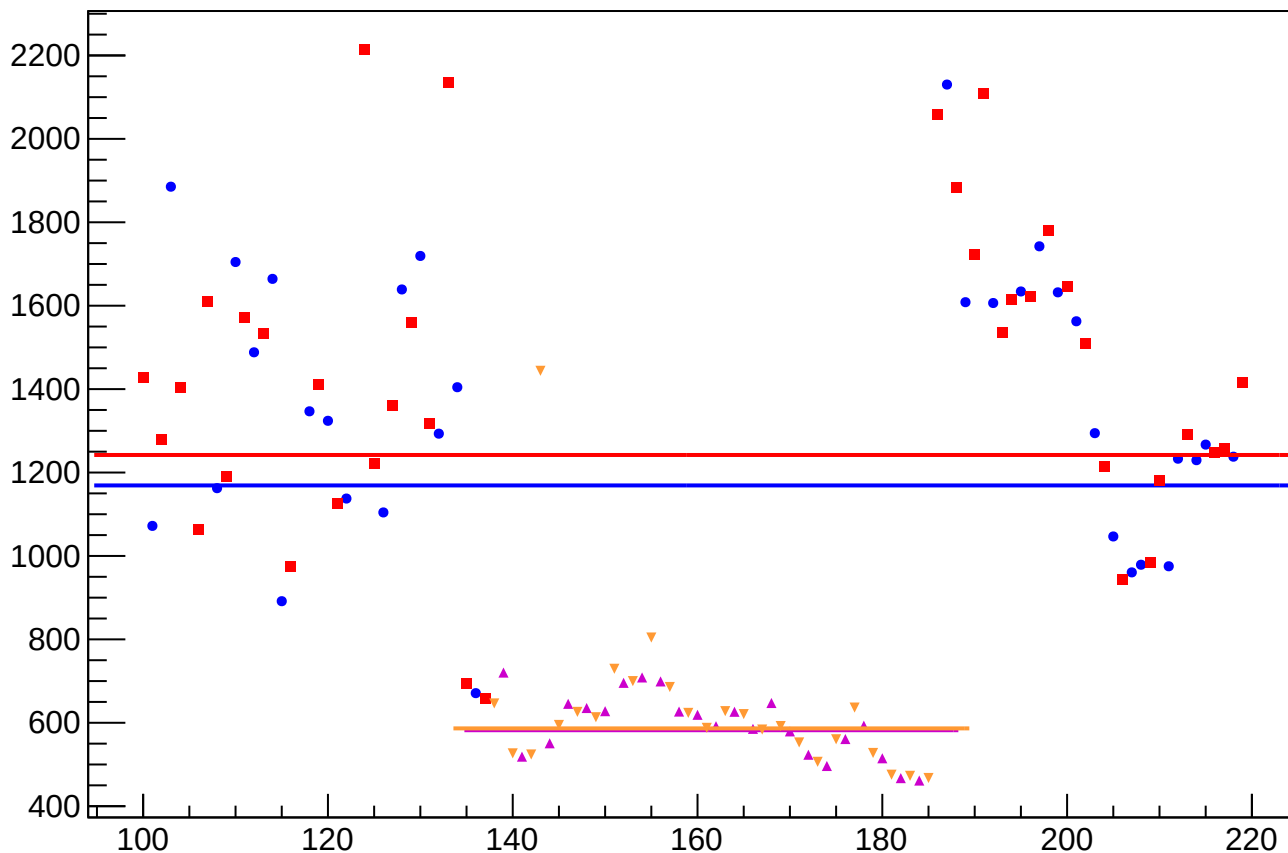
Left In: 126.569 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 702.290 $\pm$ 121.308 χ^2 /NDF: 116.8/56

All: 525.583 $\pm$ 86.436 χ^2 /NDF: 208.2/116

- sign 343.345 $\pm$ 123.192 χ^2 /NDF: 87.0/59

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1169.074 $\pm$ 0.191 χ^2 /NDF: 2713343.1/31

Left Out: 586.557 $\pm$ 0.096 χ^2 /NDF: 1202915.7/24

Right Out: 1242.083 $\pm$ 0.197 χ^2 /NDF: 2764689.4/36

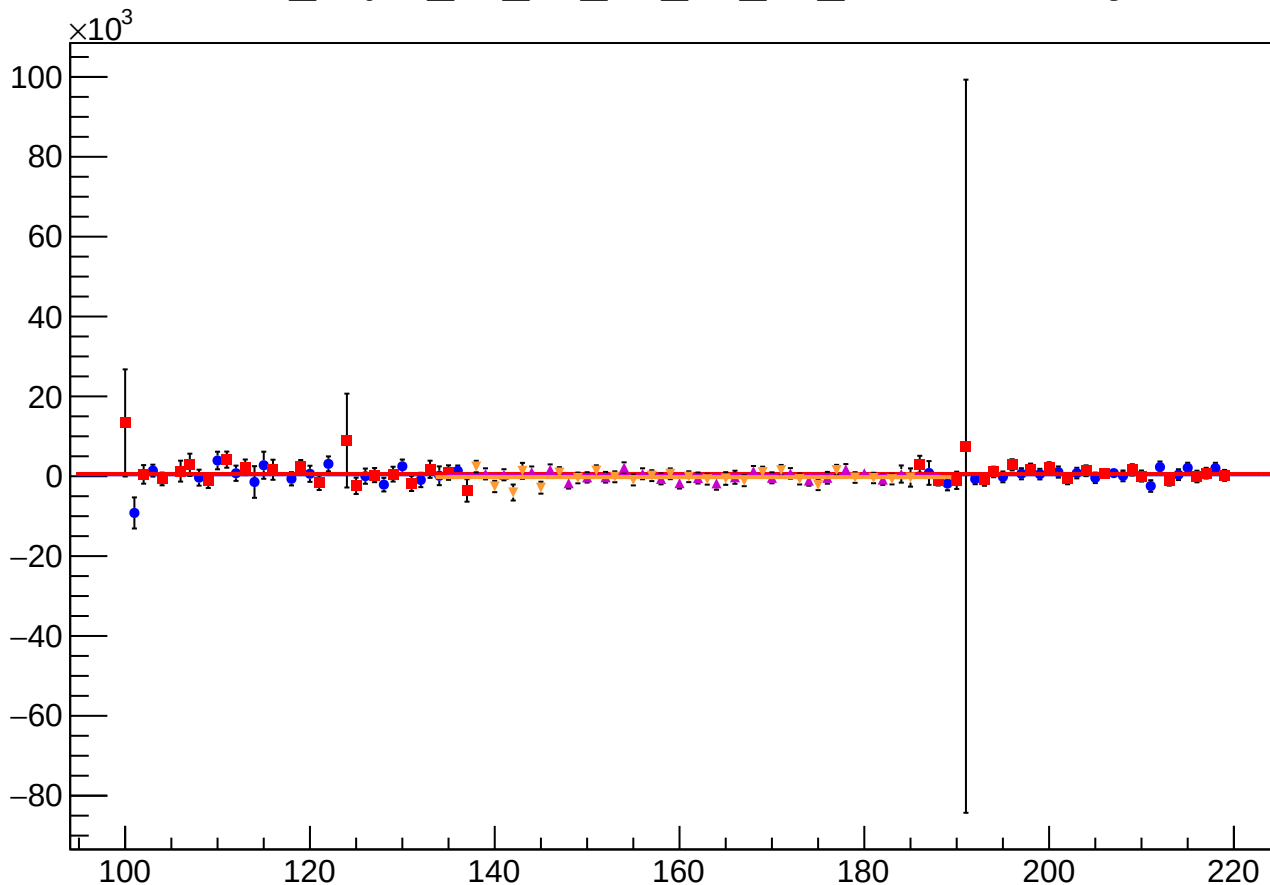
Left In: 582.190 $\pm$ 0.097 χ^2 /NDF: 559261.3/22

+ sign 703.884 $\pm$ 0.086 χ^2 /NDF: 11334177.8/56

All: 707.179 $\pm$ 0.061 χ^2 /NDF: 23653975.6/11

- sign 710.577 $\pm$ 0.087 χ^2 /NDF: 12316800.4/59

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 483.499 $\pm$ 282.483 χ^2 /NDF: 29.6/31

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 569.969 $\pm$ 277.768 χ^2 /NDF: 29.8/36

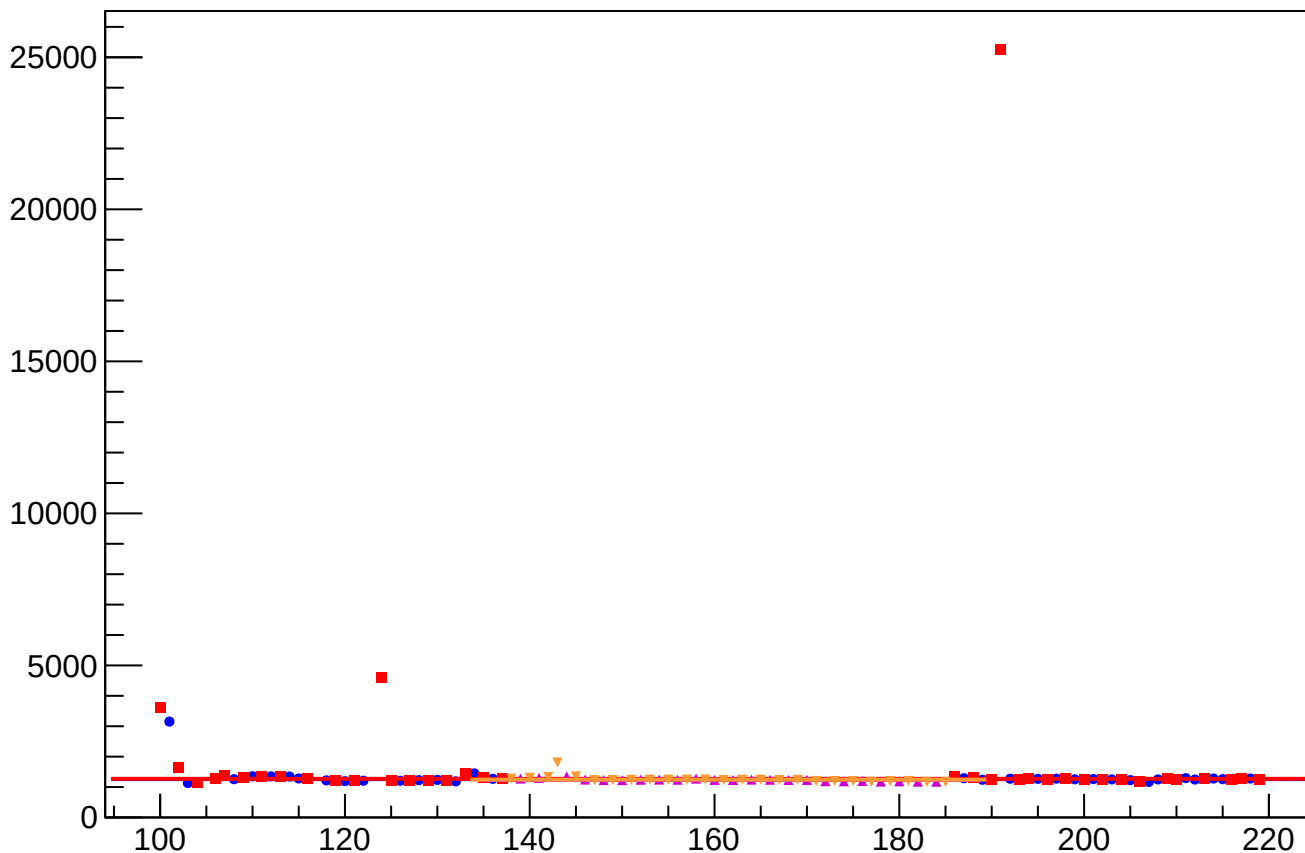
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign 132.084 $\pm$ 199.947 χ^2 /NDF: 56.6/56

All: 236.029 $\pm$ 141.404 χ^2 /NDF: 103.0/116

- sign 340.033 $\pm$ 200.004 χ^2 /NDF: 45.9/59

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1260.790 $\pm$ 0.200 χ^2 /NDF: 536065.5/31

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1270.293 $\pm$ 0.196 χ^2 /NDF: 494791.8/36

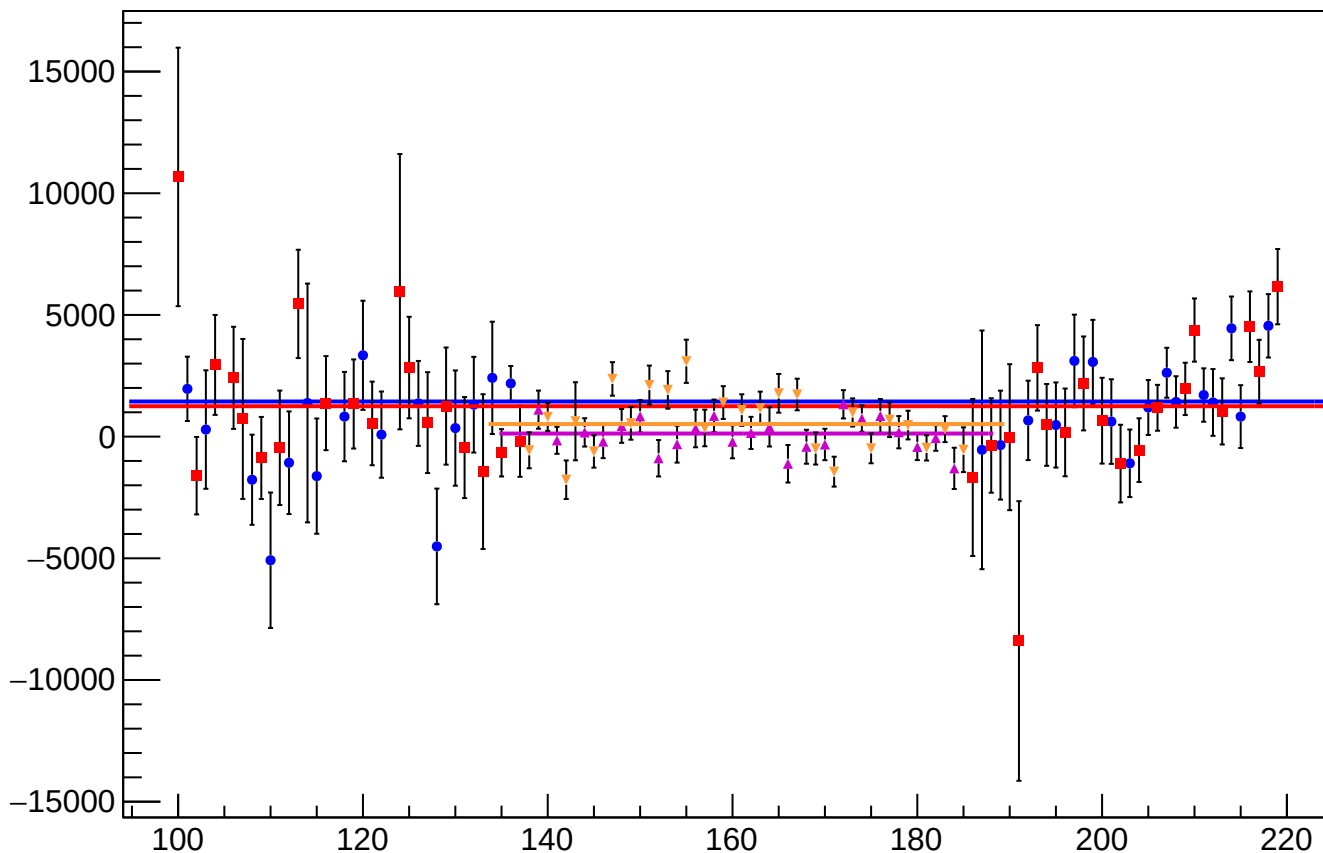
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1251.825 $\pm$ 0.141 χ^2 /NDF: 743400.8/56

All: 1252.261 $\pm$ 0.100 χ^2 /NDF: 1294160.5/11

- sign 1252.697 $\pm$ 0.141 χ^2 /NDF: 550740.7/59

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 1442.612 $\pm$ 270.253 χ^2 /NDF: 40.4/31

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 1248.860 $\pm$ 279.510 χ^2 /NDF: 53.7/36

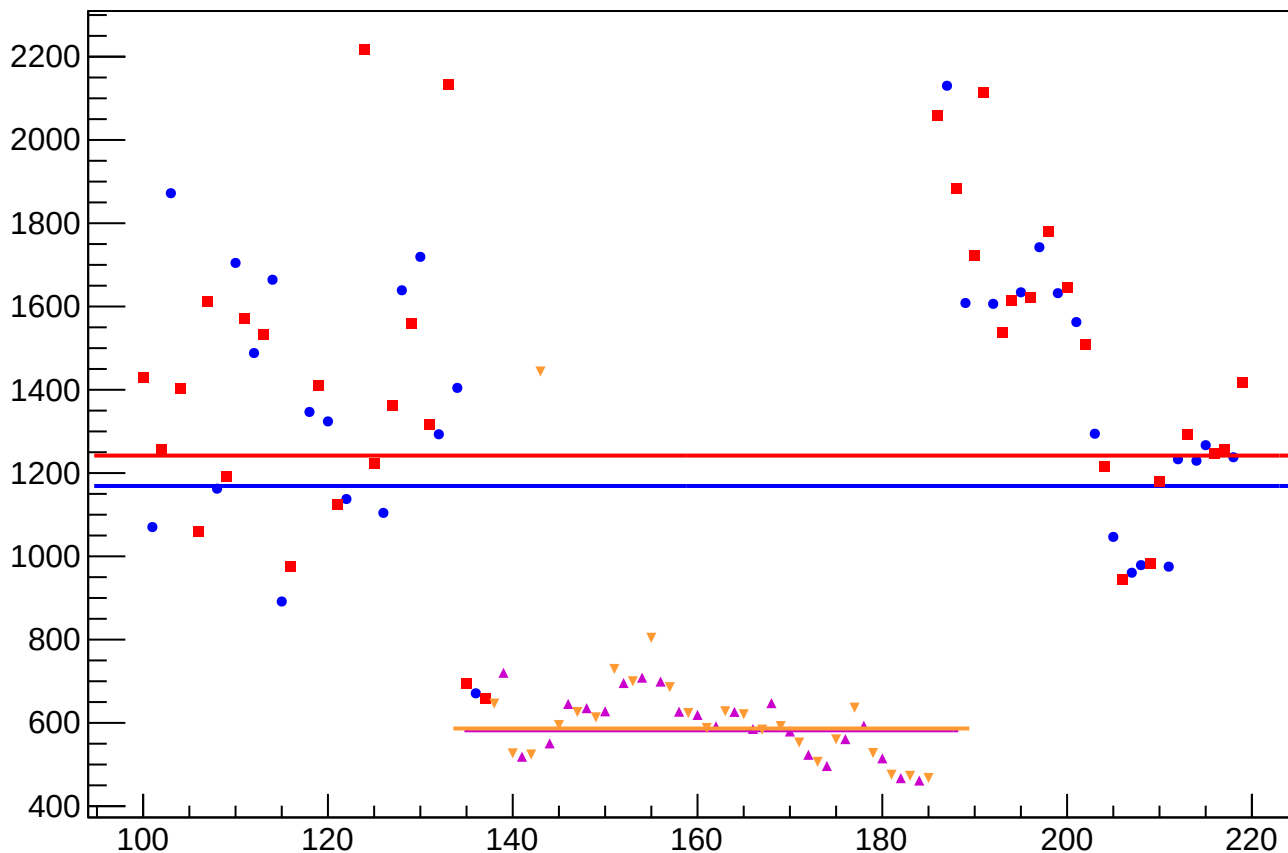
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 703.333 $\pm$ 121.304 χ^2 /NDF: 116.8/56

All: 526.775 $\pm$ 86.441 χ^2 /NDF: 209.4/116

- sign 344.626 $\pm$ 123.210 χ^2 /NDF: 88.3/59

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1168.967 ± 0.191 $\chi^2/\text{NDF}: 2710292.2/31$

Left Out: 586.562 ± 0.096 $\chi^2/\text{NDF}: 1202822.0/24$

Right Out: 1241.960 ± 0.198 $\chi^2/\text{NDF}: 2762096.2/36$

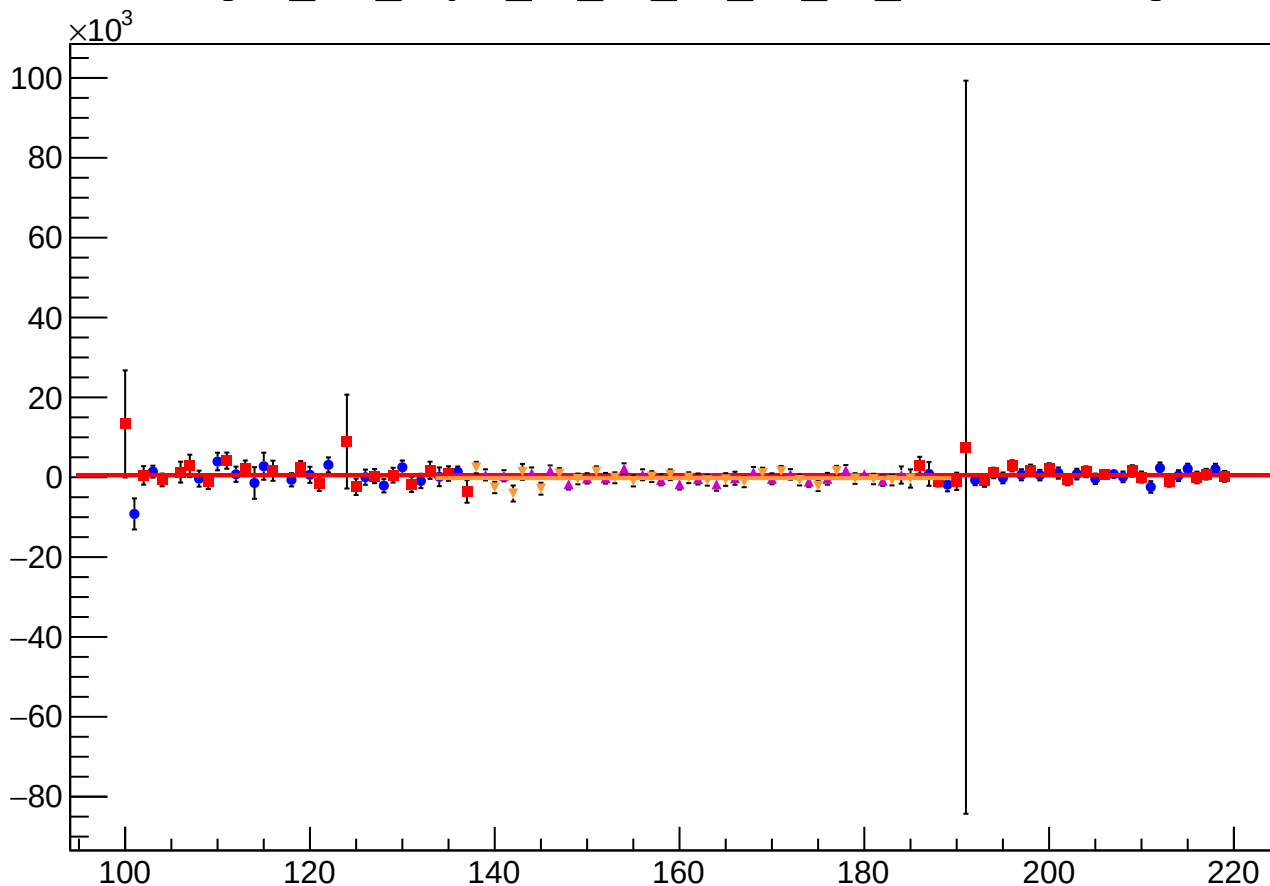
Left In: 582.189 ± 0.097 $\chi^2/\text{NDF}: 559258.0/22$

+ sign 703.899 ± 0.086 $\chi^2/\text{NDF}: 11330153.3/56$

All: 707.094 ± 0.061 $\chi^2/\text{NDF}: 23632529.6/11$

- sign 710.389 ± 0.087 $\chi^2/\text{NDF}: 12299558.3/59$

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 483.499 $\pm$ 282.483 χ^2 /NDF: 29.6/31

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 569.969 $\pm$ 277.768 χ^2 /NDF: 29.8/36

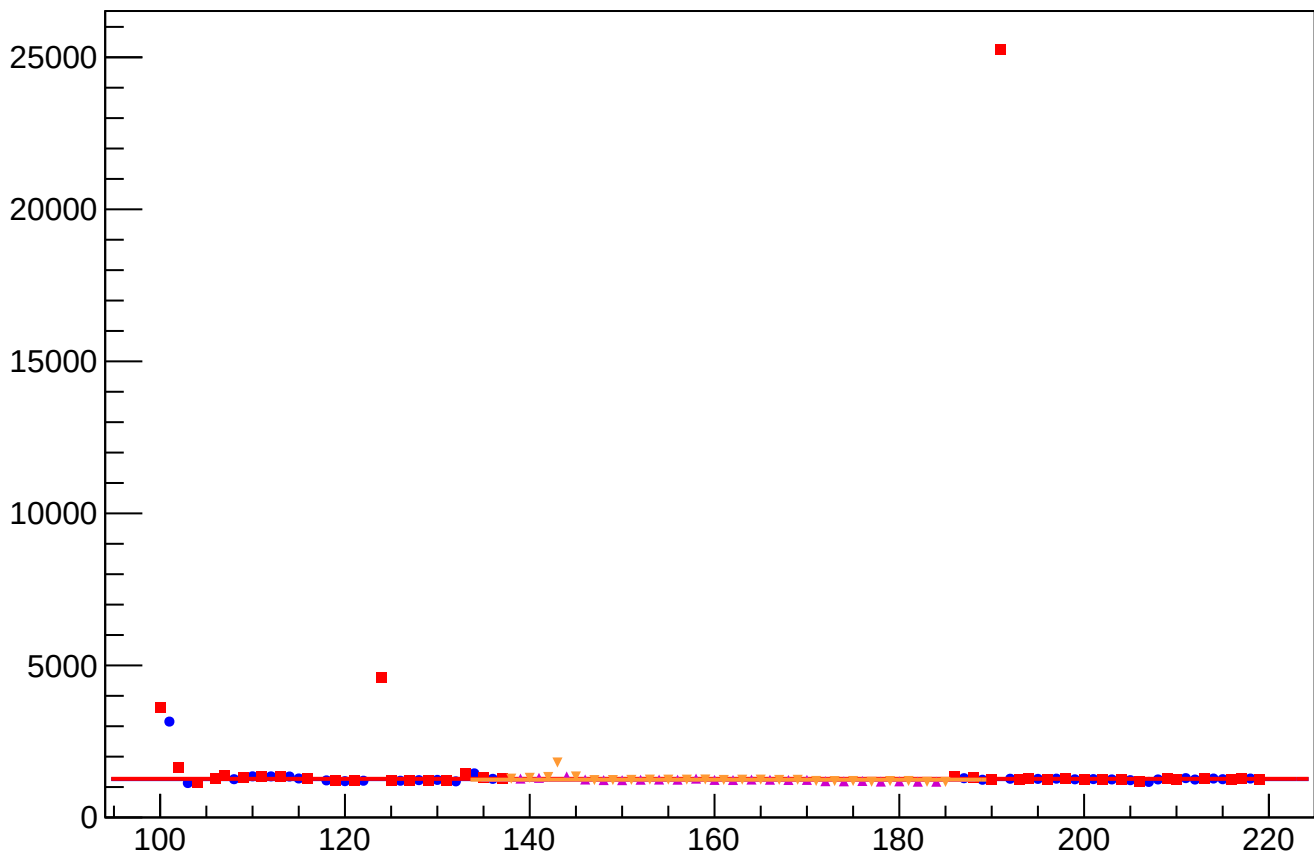
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign 132.084 $\pm$ 199.947 χ^2 /NDF: 56.6/56

All: 236.029 $\pm$ 141.404 χ^2 /NDF: 103.0/116

- sign 340.033 $\pm$ 200.004 χ^2 /NDF: 45.9/59

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1260.790 $\pm$ 0.200 χ^2 /NDF: 536065.5/31

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1270.293 $\pm$ 0.196 χ^2 /NDF: 494791.8/36

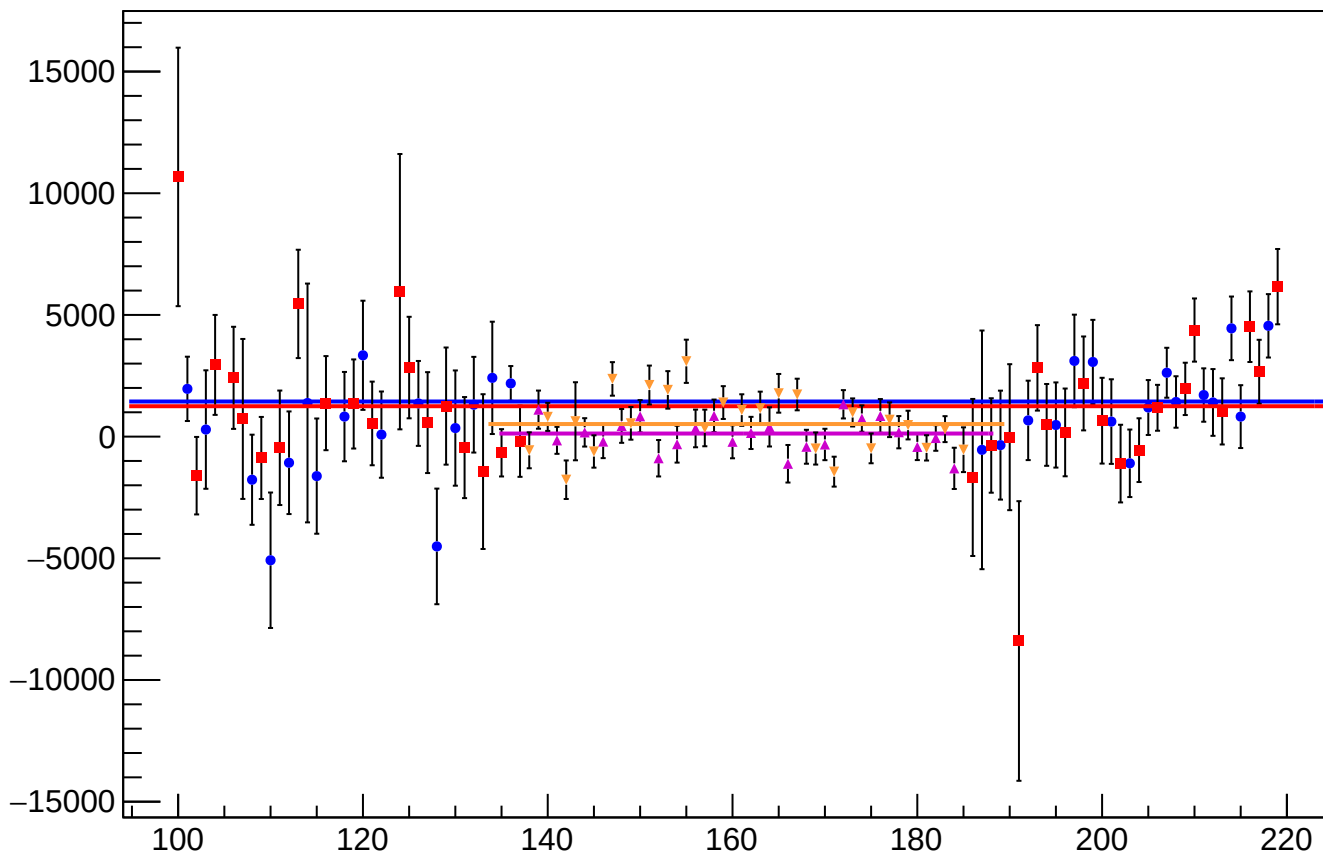
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1251.825 $\pm$ 0.141 χ^2 /NDF: 743400.8/56

All: 1252.261 $\pm$ 0.100 χ^2 /NDF: 1294160.5/11

- sign 1252.697 $\pm$ 0.141 χ^2 /NDF: 550740.7/59

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 1442.612 $\pm$ 270.253 χ^2 /NDF: 40.4/31

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 1248.860 $\pm$ 279.510 χ^2 /NDF: 53.7/36

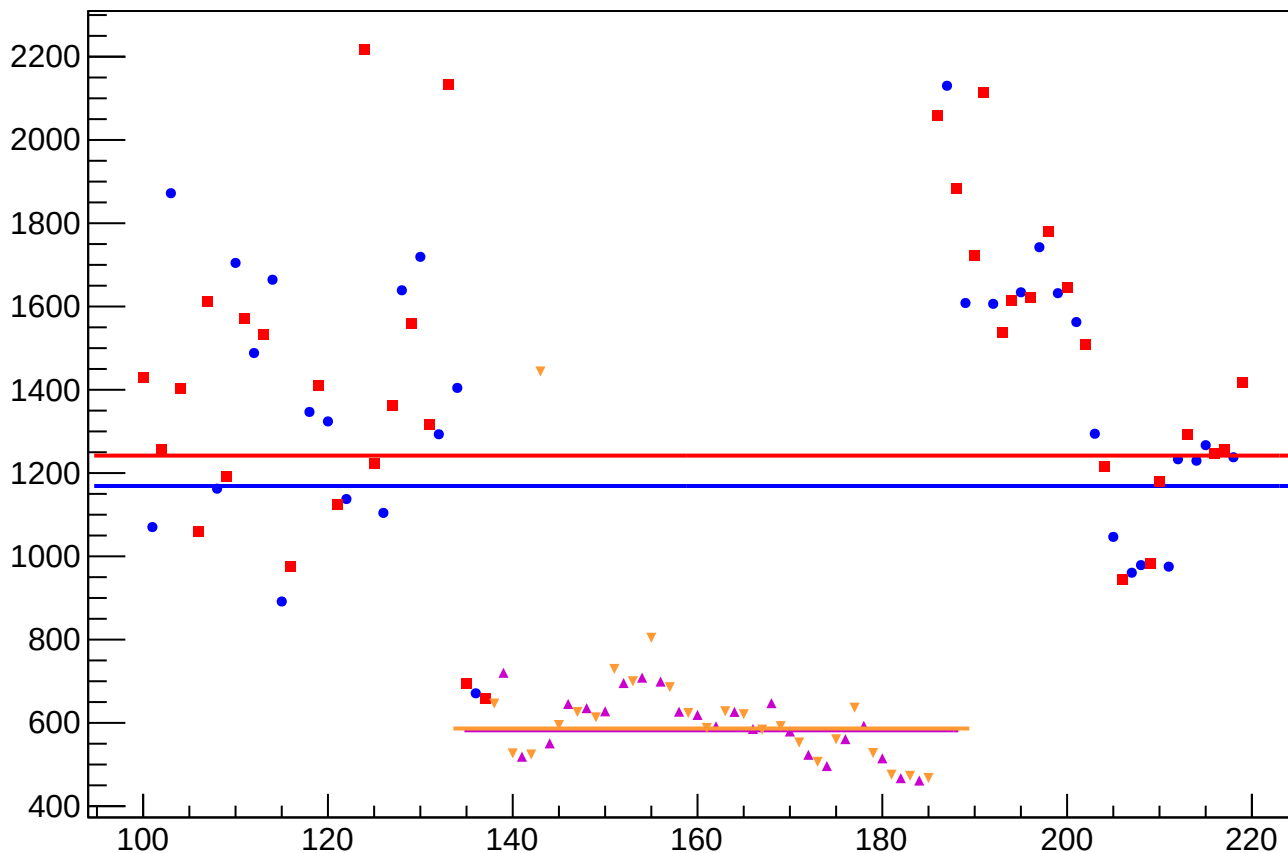
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 703.333 $\pm$ 121.304 χ^2 /NDF: 116.8/56

All: 526.775 $\pm$ 86.441 χ^2 /NDF: 209.4/116

- sign 344.626 $\pm$ 123.210 χ^2 /NDF: 88.3/59

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 1168.967 ± 0.191 $\chi^2/\text{NDF}: 2710292.2/31$

Left Out: 586.562 ± 0.096 $\chi^2/\text{NDF}: 1202822.0/24$

Right Out: 1241.960 ± 0.198 $\chi^2/\text{NDF}: 2762096.2/36$

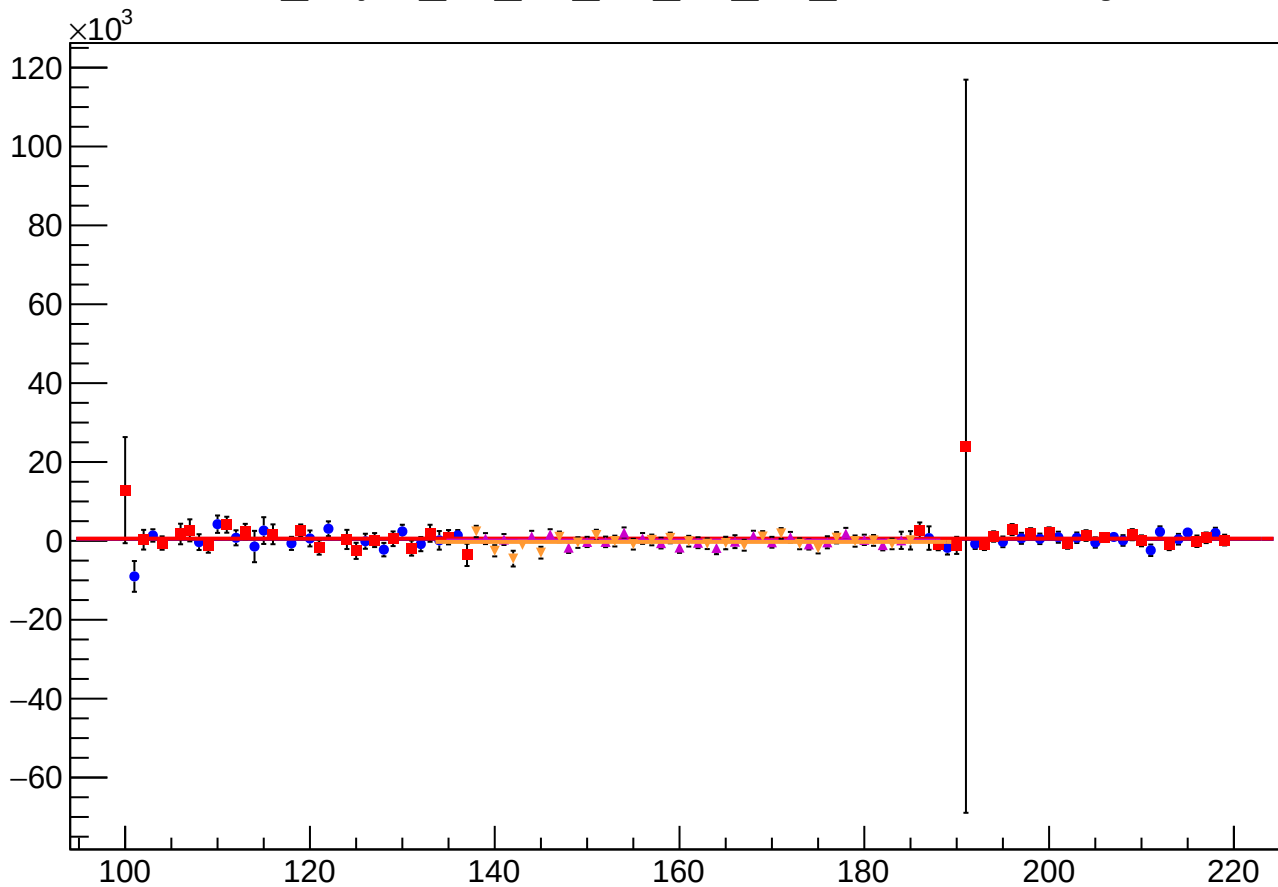
Left In: 582.189 ± 0.097 $\chi^2/\text{NDF}: 559258.0/22$

+ sign 703.899 ± 0.086 $\chi^2/\text{NDF}: 11330153.3/56$

All: 707.094 ± 0.061 $\chi^2/\text{NDF}: 23632529.6/11$

- sign 710.389 ± 0.087 $\chi^2/\text{NDF}: 12299558.3/59$

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 490.221 ± 283.287 χ^2/NDF : 29.5/31

Left Out: -250.849 ± 279.923 χ^2/NDF : 24.0/24

Right Out: 567.132 ± 277.217 χ^2/NDF : 29.3/36

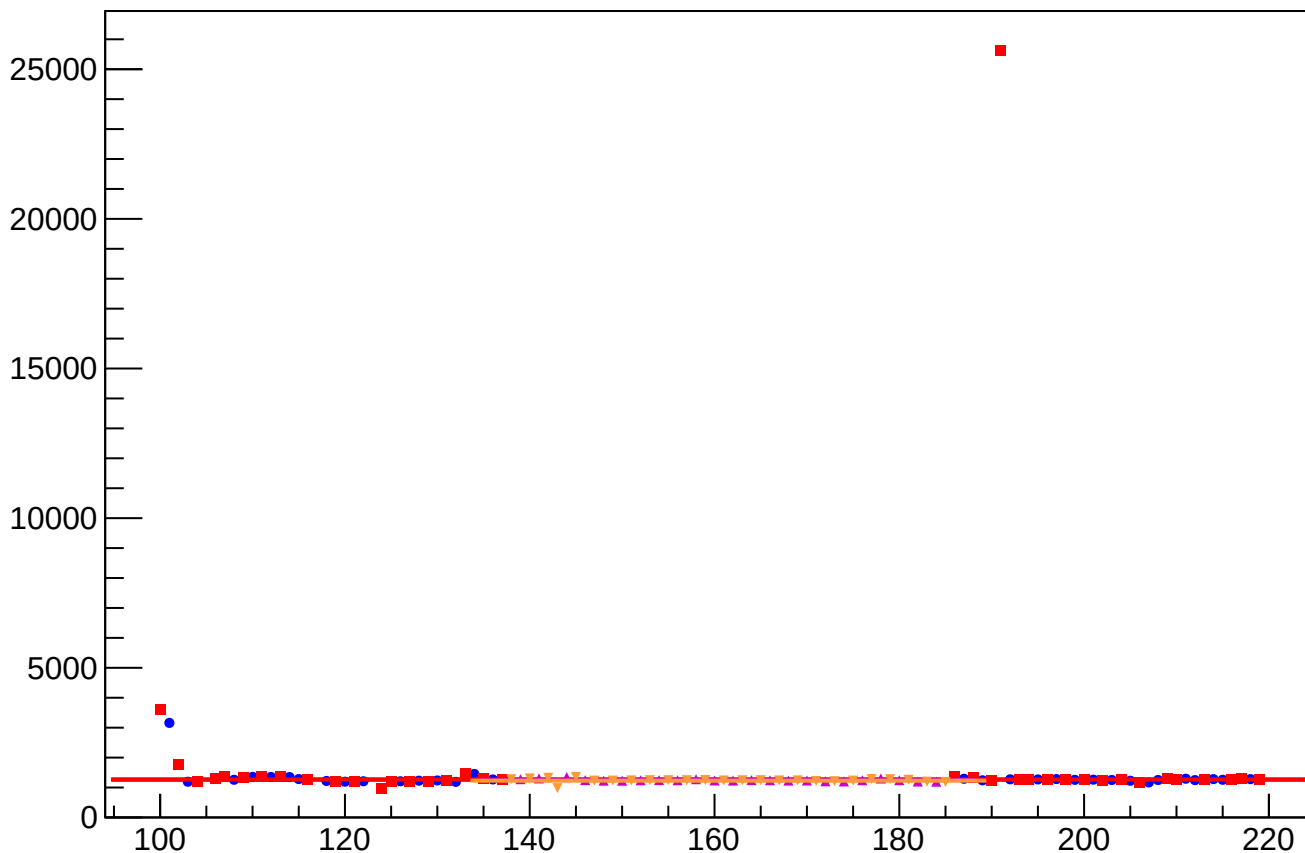
Left In: 74.881 ± 291.458 χ^2/NDF : 14.0/22

+ sign 115.259 ± 199.114 χ^2/NDF : 57.0/56

All: 223.337 ± 141.411 χ^2/NDF : 102.4/116

- sign 333.326 ± 200.868 χ^2/NDF : 44.8/59

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1264.529+/-0.200 χ^2/NDF : 525746.9/31

Left Out: 1229.986+/-0.198 χ^2/NDF : 141607.5/24

Right Out: 1269.128+/-0.196 χ^2/NDF : 385981.7/36

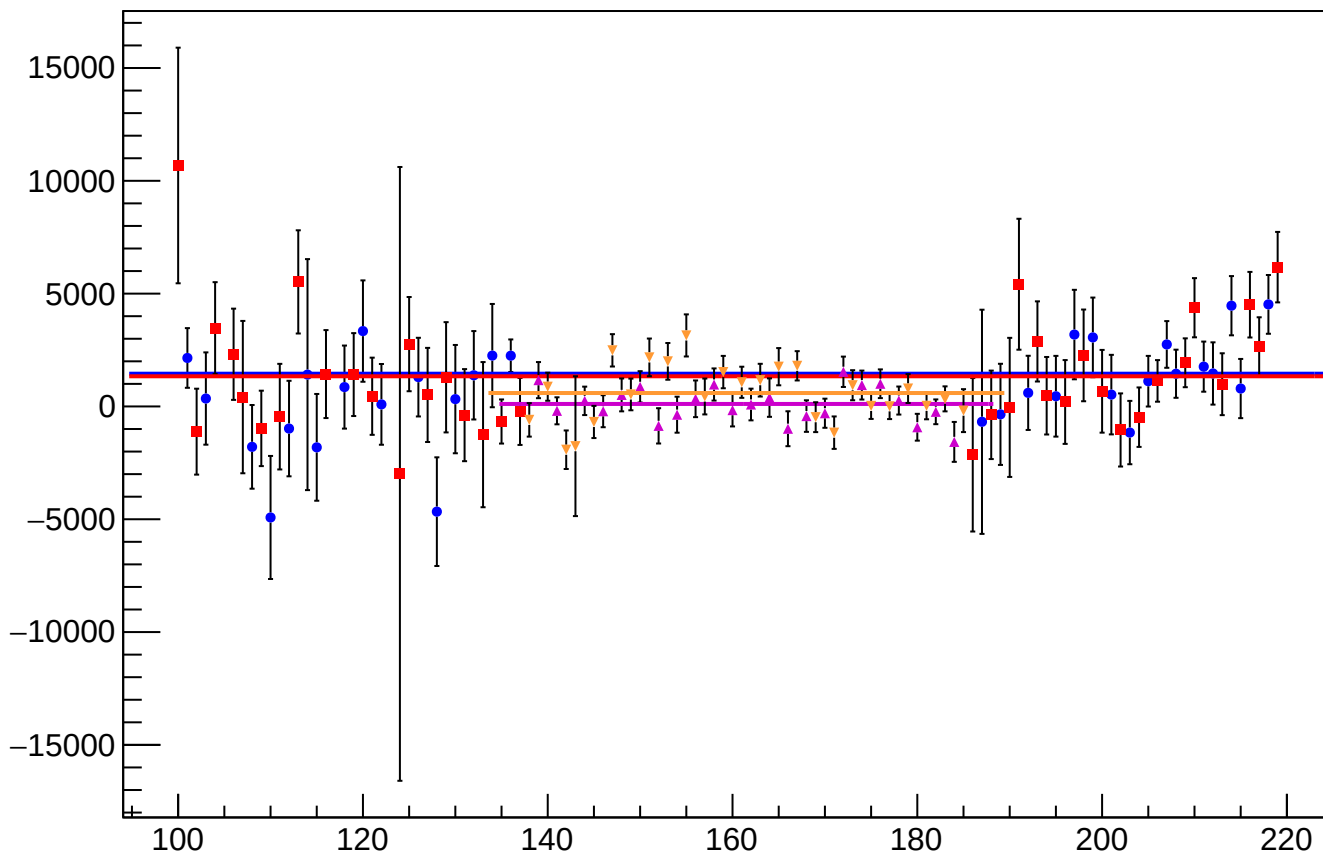
Left In: 1247.785+/-0.206 χ^2/NDF : 27340.8/22

+ sign 1247.051+/-0.141 χ^2/NDF : 682400.4/56

All: 1252.969+/-0.100 χ^2/NDF : 1104917.3/110

- sign 1258.991+/-0.142 χ^2/NDF : 418953.0/59

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 1451.023 $\pm$ 271.650 χ^2 /NDF: 41.3/31

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 1336.522 $\pm$ 281.612 χ^2 /NDF: 50.7/36

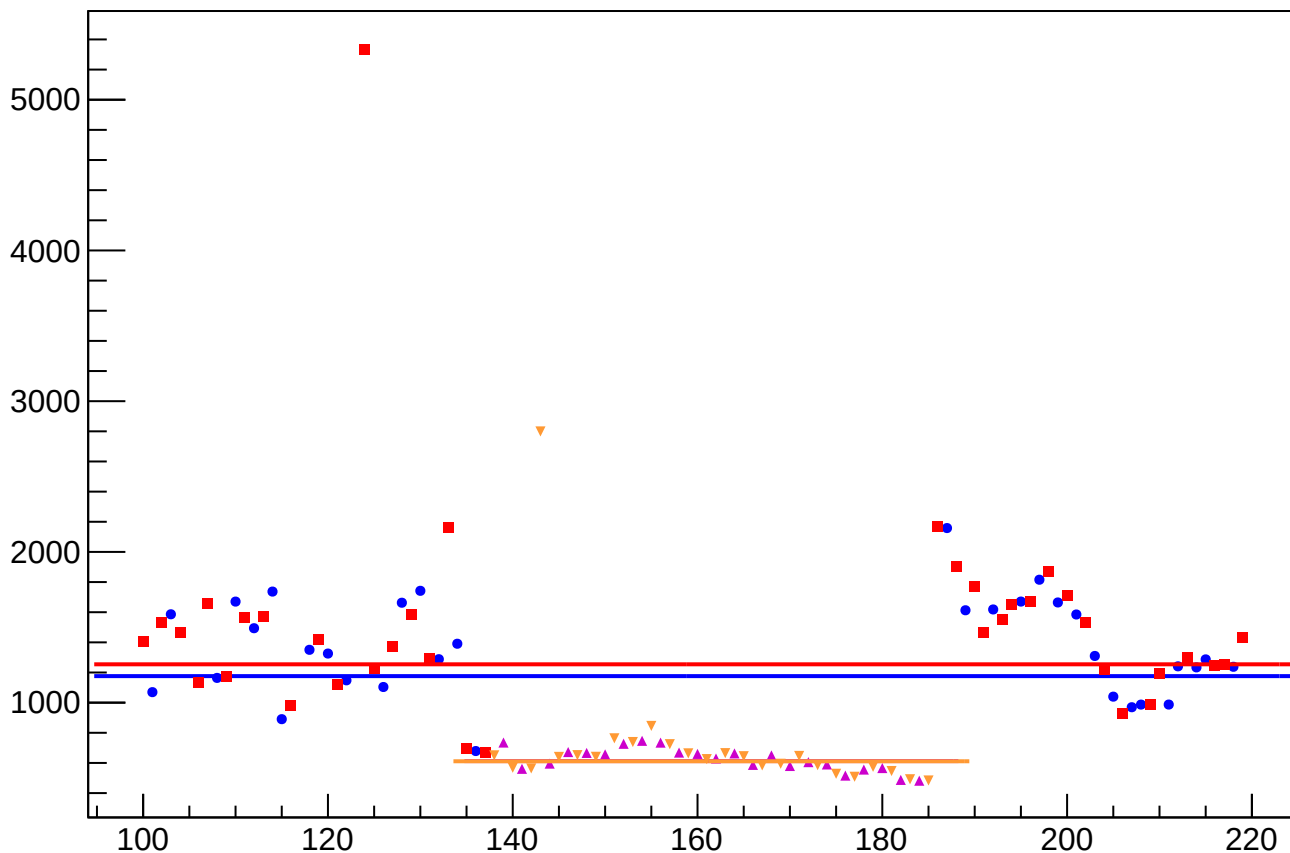
Left In: 110.252 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 778.973 $\pm$ 125.935 χ^2 /NDF: 106.4/56

All: 575.996 $\pm$ 89.899 χ^2 /NDF: 203.1/116

- sign 365.077 $\pm$ 128.374 χ^2 /NDF: 91.4/59

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1176.017 $\pm$ 0.192 χ^2/NDF : 2650740.6/31

Left Out: 611.087 $\pm$ 0.101 χ^2/NDF : 1619322.3/24

Right Out: 1254.351 $\pm$ 0.199 χ^2/NDF : 3056764.1/36

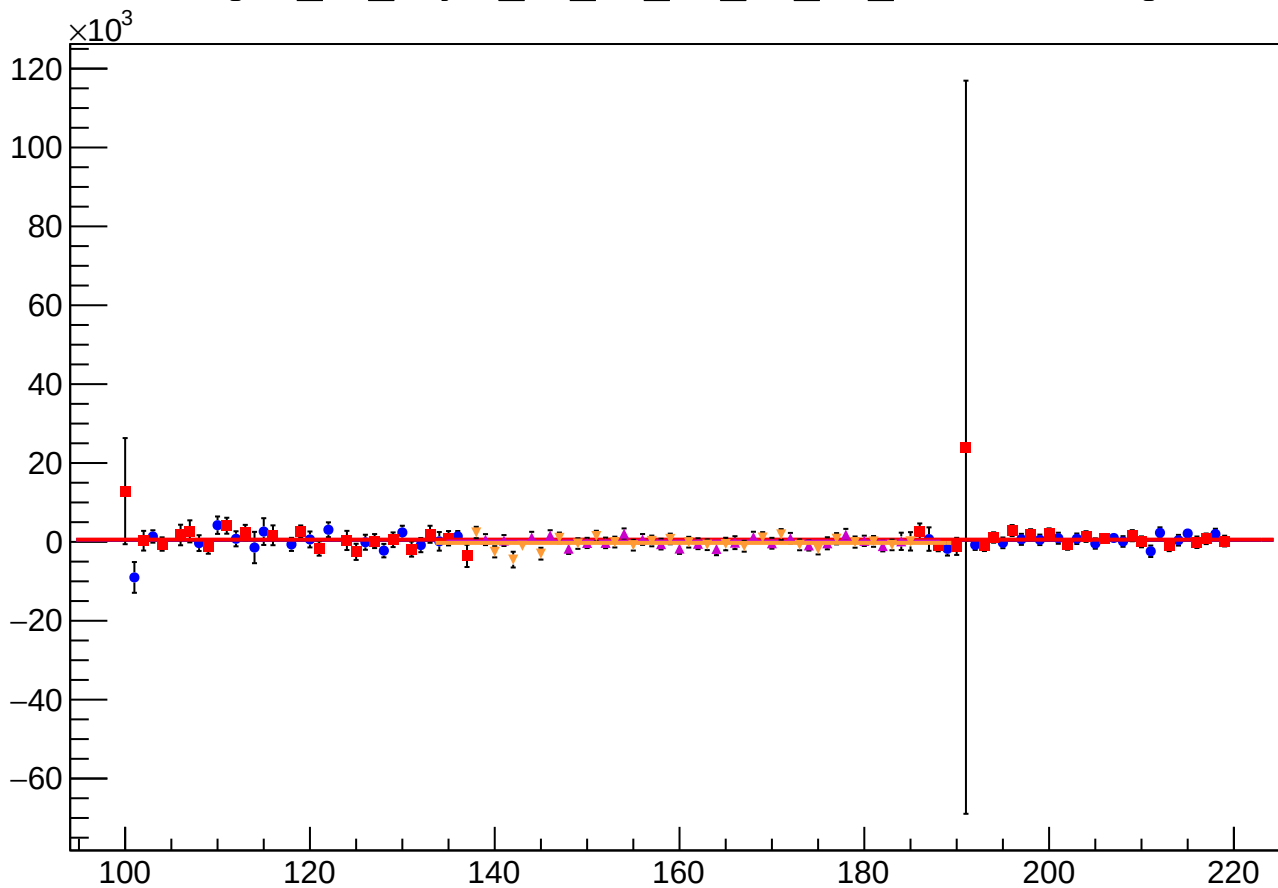
Left In: 612.399 $\pm$ 0.102 χ^2/NDF : 508595.4/22

+ sign 732.500 $\pm$ 0.089 χ^2/NDF : 11060782.0/56

All: 739.022 $\pm$ 0.064 χ^2/NDF : 22870236.5/11

- sign 745.800 $\pm$ 0.091 χ^2/NDF : 11798514.6/59

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 490.217 ± 283.287 χ^2/NDF : 29.5/31

Left Out: -250.851 ± 279.923 χ^2/NDF : 24.0/24

Right Out: 567.130 ± 277.217 χ^2/NDF : 29.3/36

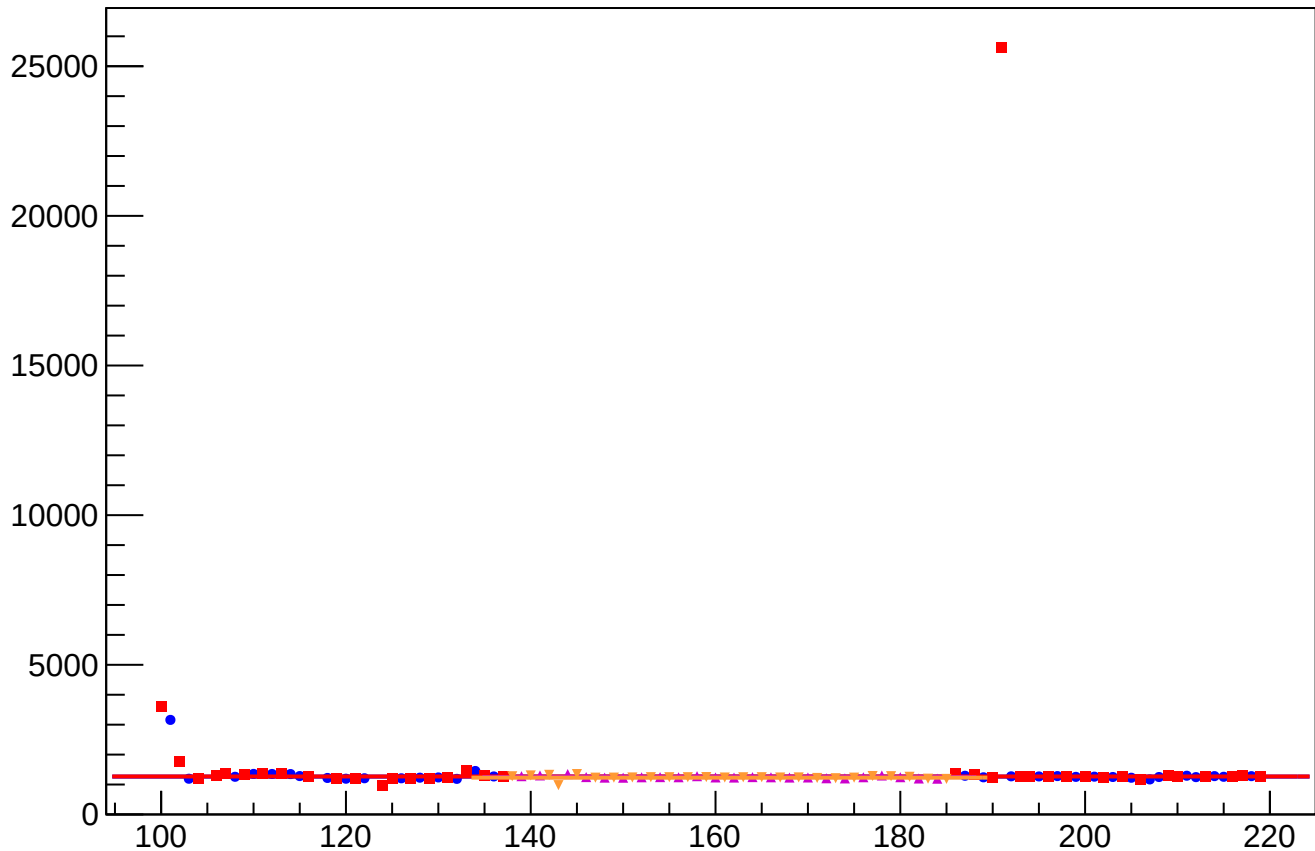
Left In: 74.881 ± 291.458 χ^2/NDF : 14.0/22

+ sign 115.256 ± 199.114 χ^2/NDF : 57.0/56

All: 223.334 ± 141.411 χ^2/NDF : 102.4/116

- sign 333.325 ± 200.868 χ^2/NDF : 44.8/59

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1264.529+/-0.200 χ^2/NDF : 525747.0/31

Left Out: 1229.986+/-0.198 χ^2/NDF : 141606.6/24

Right Out: 1269.128+/-0.196 χ^2/NDF : 385981.5/36

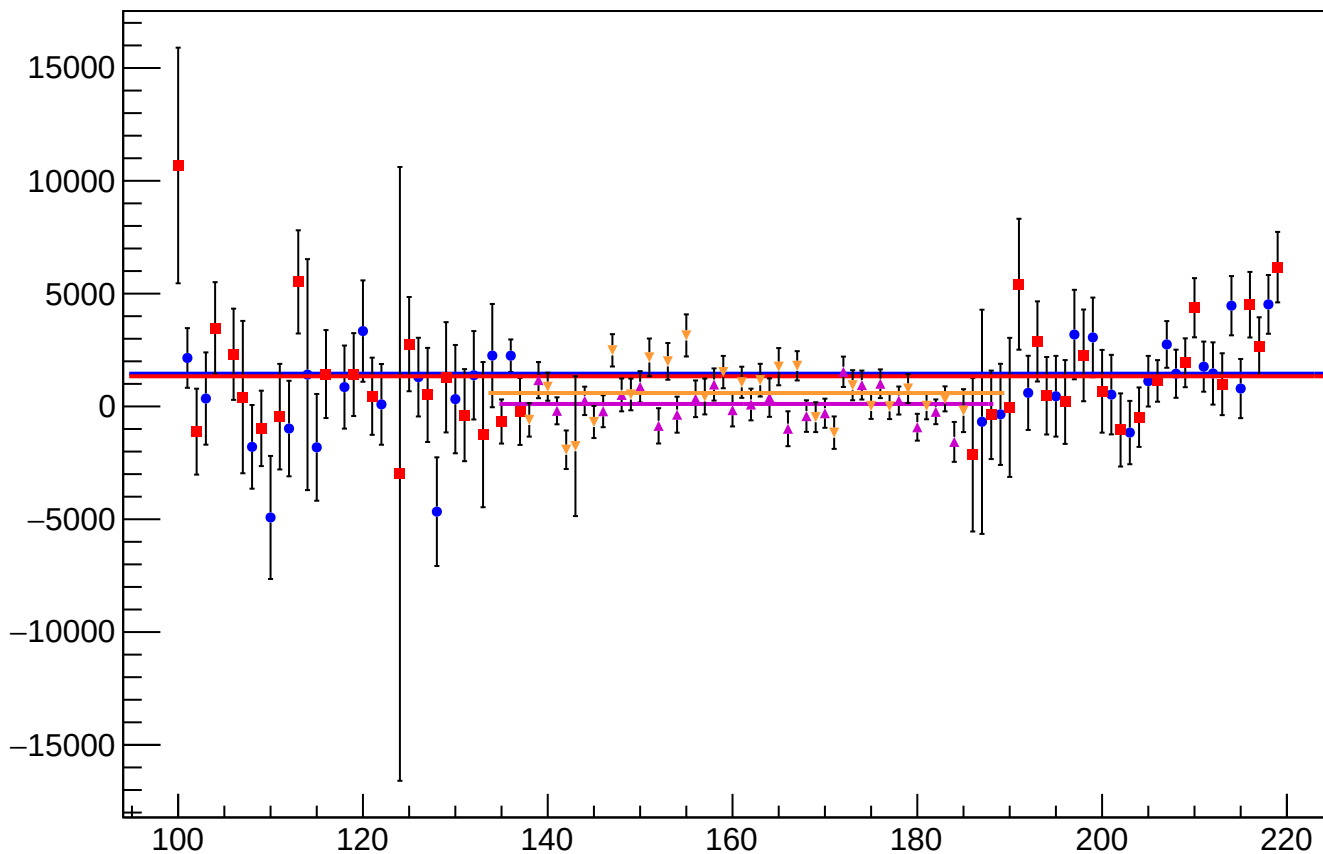
Left In: 1247.785+/-0.206 χ^2/NDF : 27340.7/22

+ sign 1247.051+/-0.141 χ^2/NDF : 682399.5/56

All: 1252.968+/-0.100 χ^2/NDF : 1104916.2/110

- sign 1258.990+/-0.142 χ^2/NDF : 418952.8/59

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 1451.023+/-271.650 χ^2/NDF : 41.3/31

Left Out: 595.000+/-142.130 χ^2/NDF : 57.3/24

Right Out: 1336.524+/-281.612 χ^2/NDF : 50.7/36

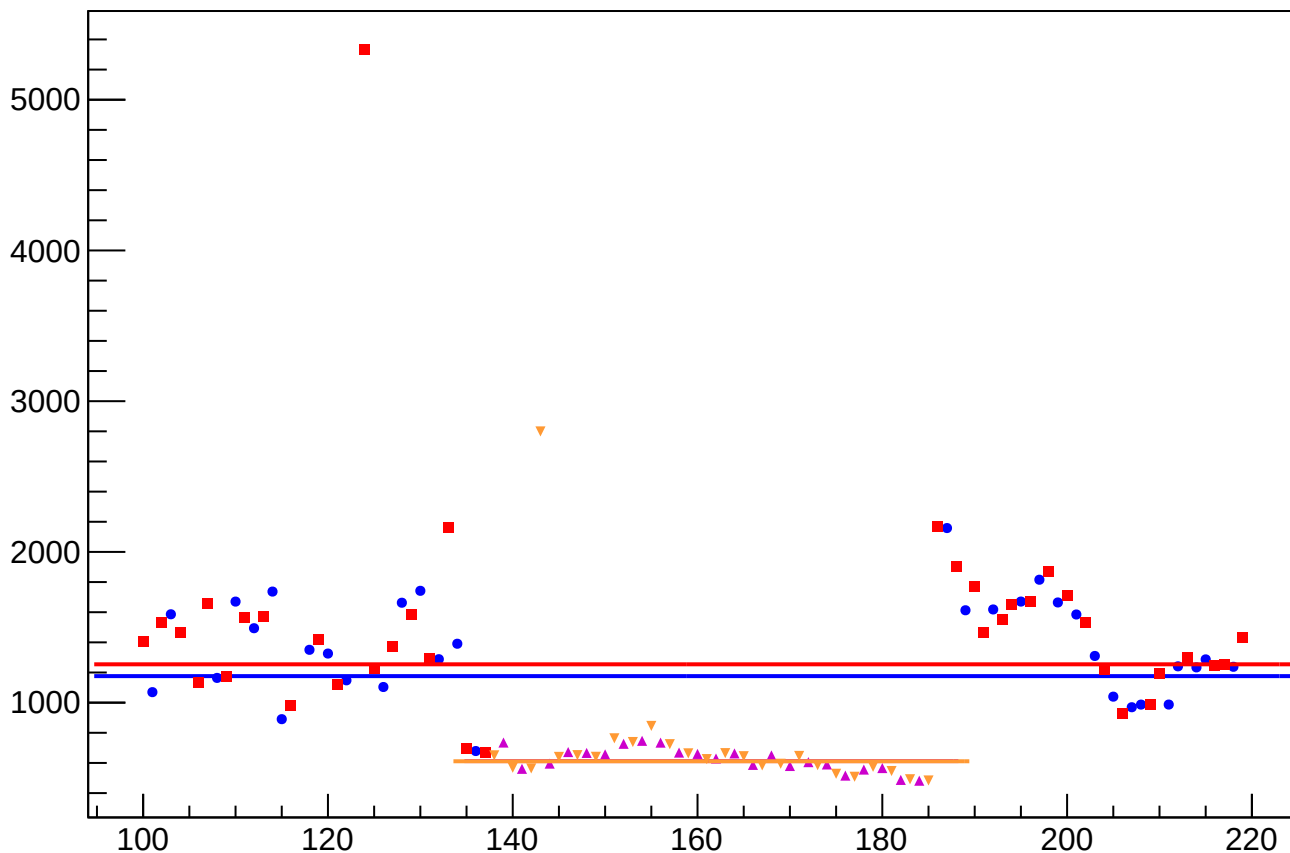
Left In: 110.251+/-144.232 χ^2/NDF : 25.7/22

+ sign 778.973+/-125.935 χ^2/NDF : 106.4/56

All: 575.995+/-89.899 χ^2/NDF : 203.1/116

- sign 365.076+/-128.374 χ^2/NDF : 91.4/59

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1176.018 $\pm$ 0.192 χ^2 /NDF: 2650679.5/31

Left Out: 611.086 $\pm$ 0.101 χ^2 /NDF: 1619319.5/24

Right Out: 1254.353 $\pm$ 0.199 χ^2 /NDF: 3056703.2/36

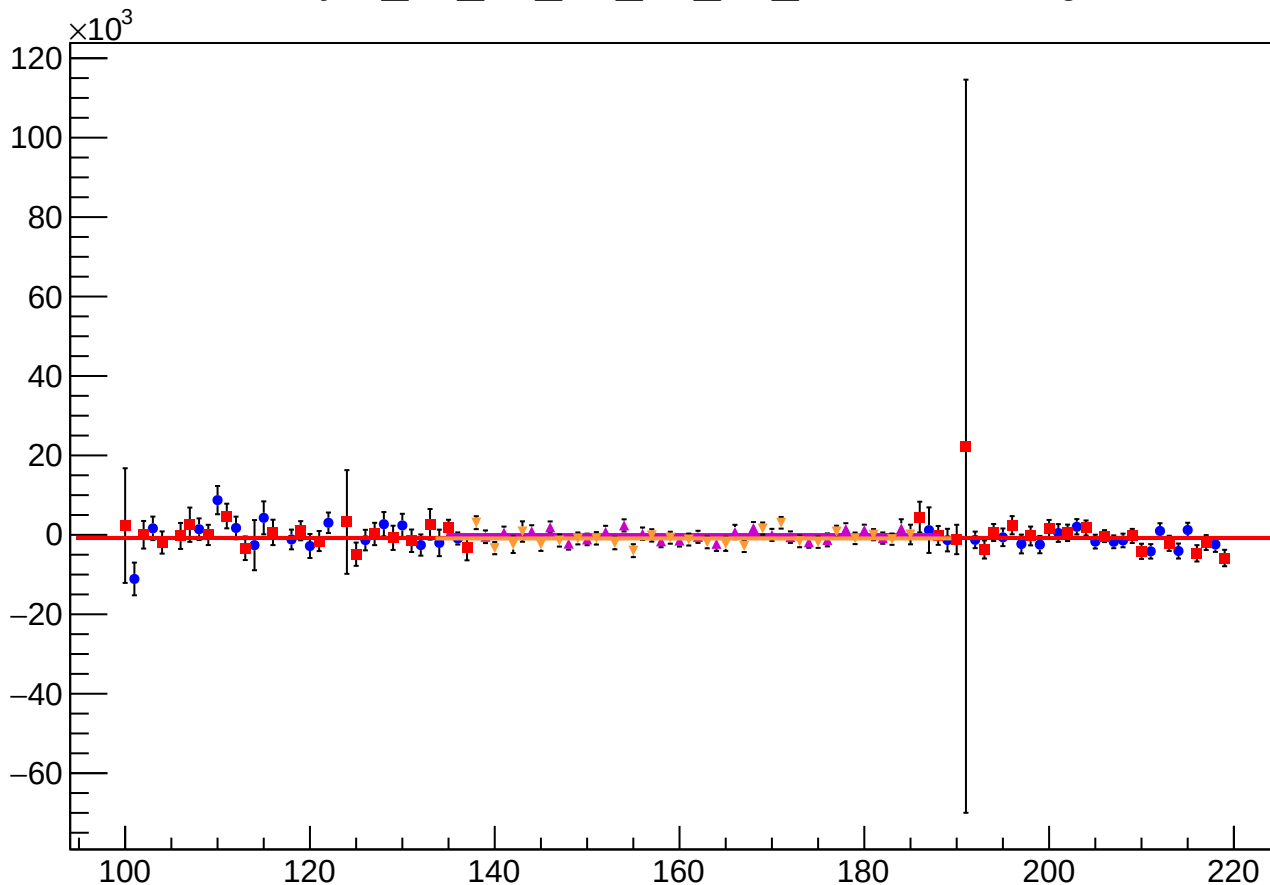
Left In: 612.398 $\pm$ 0.102 χ^2 /NDF: 508597.7/22

+ sign 732.500 $\pm$ 0.089 χ^2 /NDF: 11060743.1/56

All: 739.022 $\pm$ 0.064 χ^2 /NDF: 22870206.4/11

- sign 745.799 $\pm$ 0.091 χ^2 /NDF: 11798524.0/59

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -801.980 $\pm$ 409.146 χ^2 /NDF: 36.5/31

Left Out: -899.894 $\pm$ 316.449 χ^2 /NDF: 29.8/24

Right Out: -771.194 $\pm$ 411.095 χ^2 /NDF: 33.8/36

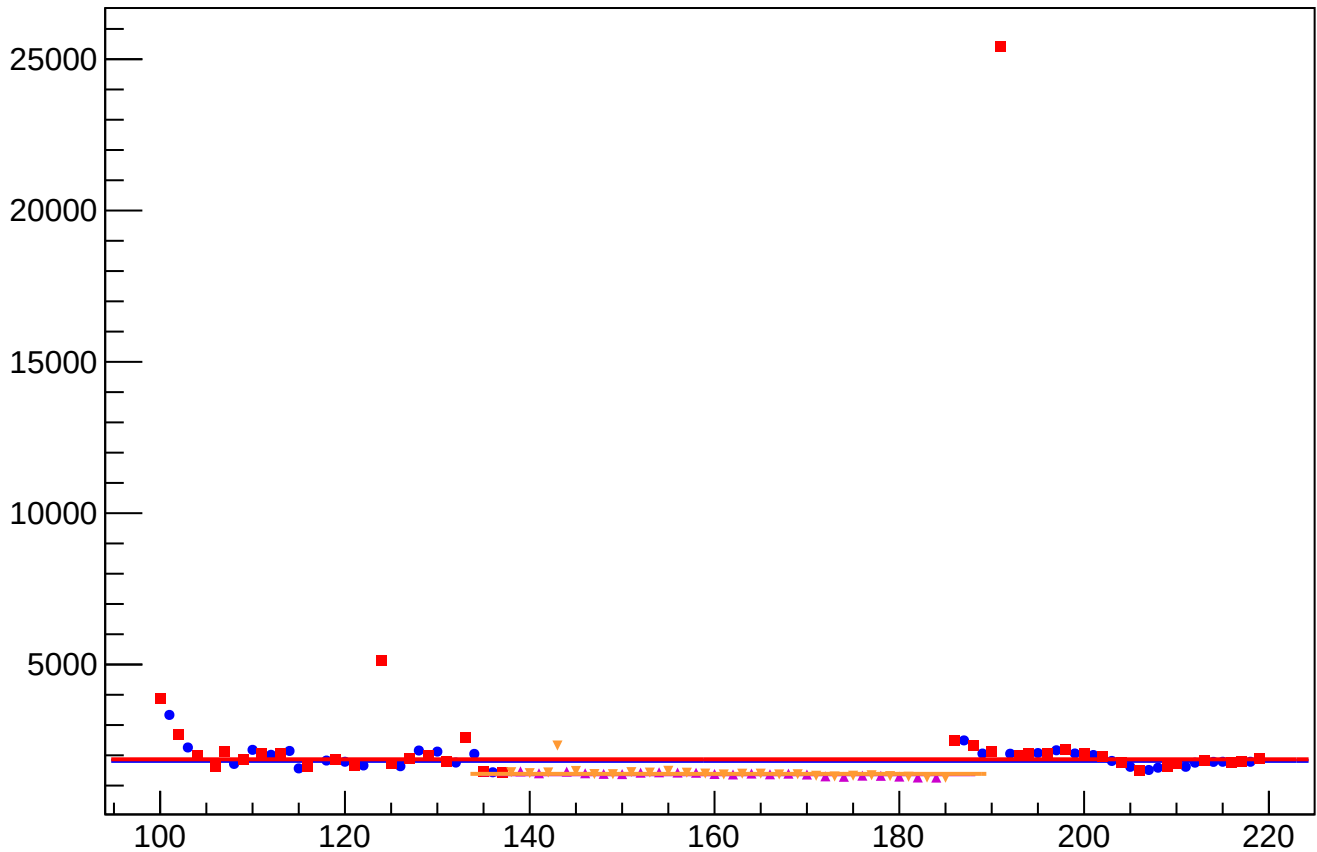
Left In: -48.178 $\pm$ 320.929 χ^2 /NDF: 17.9/22

+ sign -863.245 $\pm$ 250.315 χ^2 /NDF: 66.4/56

All: -595.459 $\pm$ 177.931 χ^2 /NDF: 122.3/116

- sign -321.960 $\pm$ 252.971 χ^2 /NDF: 53.6/59

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1816.005+/-0.289 χ^2/NDF : 894126.1/31

Left Out: 1386.845+/-0.224 χ^2/NDF : 339794.5/24

Right Out: 1868.082+/-0.291 χ^2/NDF : 1060084.3/36

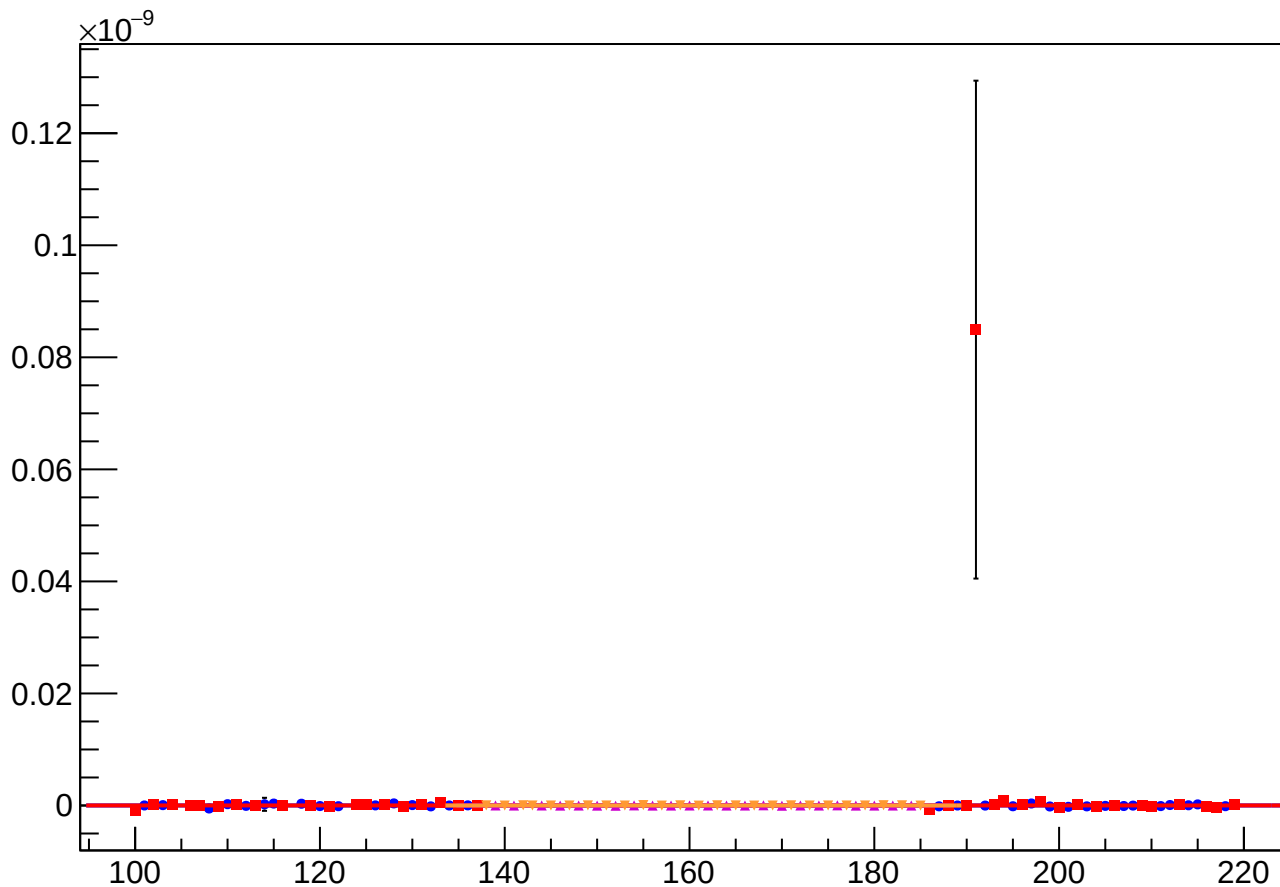
Left In: 1373.217+/-0.227 χ^2/NDF : 64467.6/22

+ sign 1547.479+/-0.177 χ^2/NDF : 2610752.1/56

All: 1553.974+/-0.126 χ^2/NDF : 5538744.9/11

- sign 1560.607+/-0.179 χ^2/NDF : 2925271.3/59

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 28.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 24.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 58.3/36

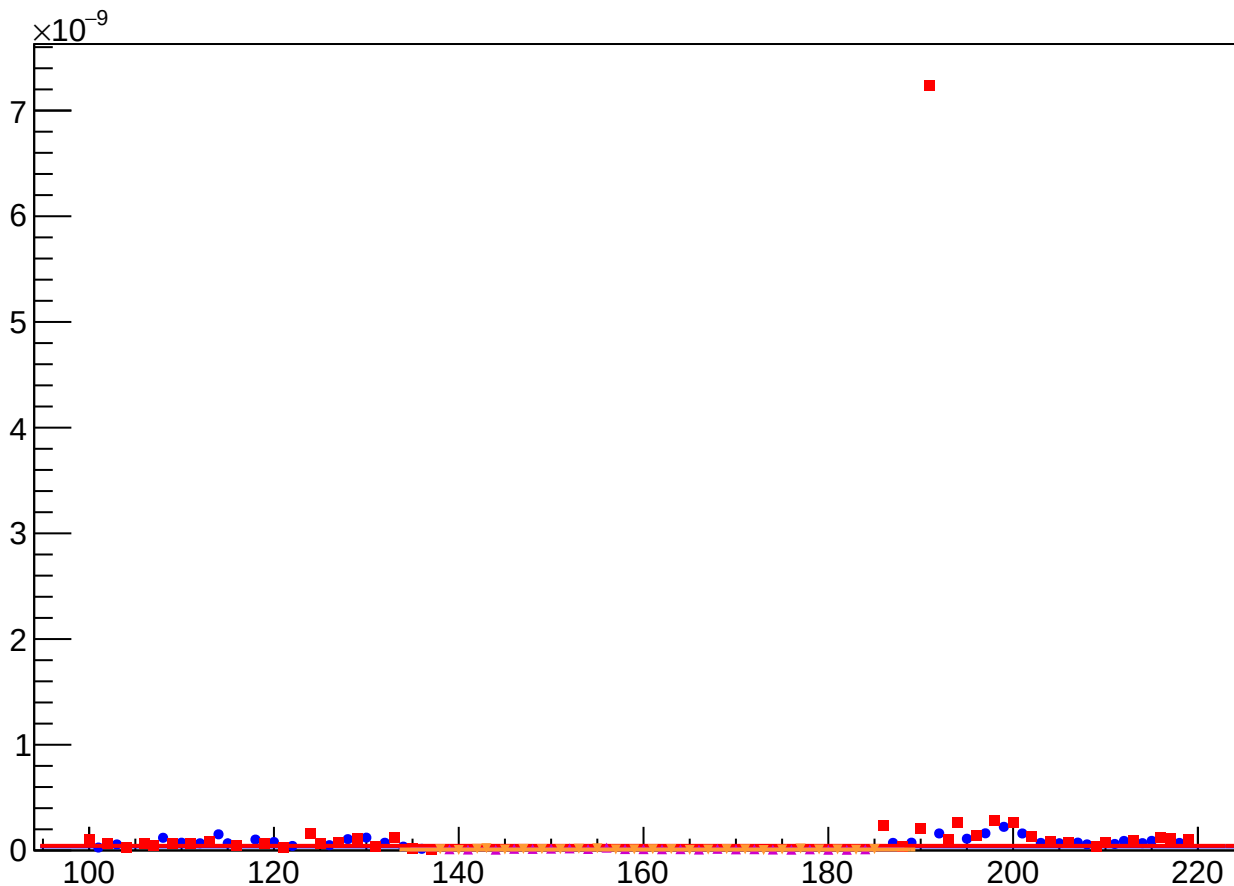
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 13.5/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 53.1/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 125.9/116

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 72.1/59

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7151204.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7896660.7/36

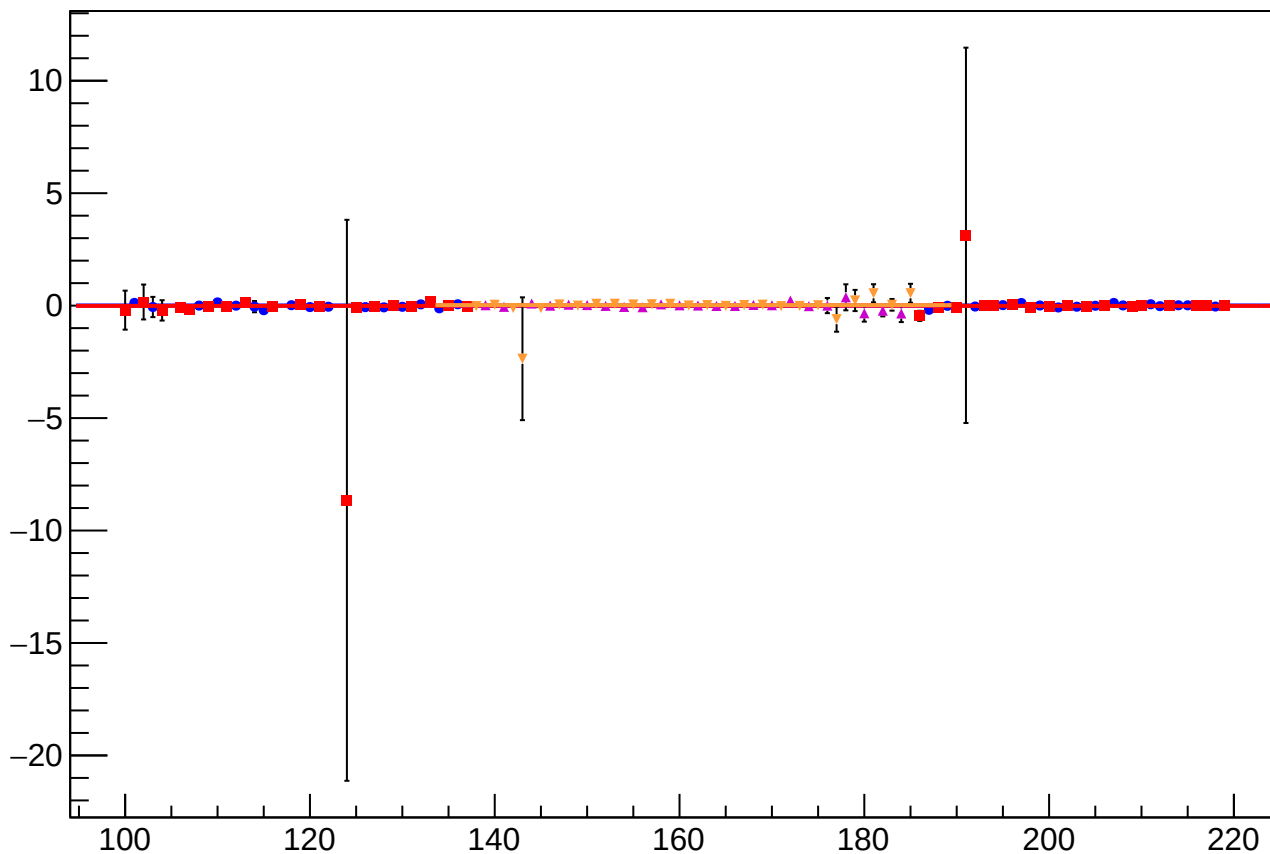
Left In: 0.000+/-0.000 χ^2/NDF : 1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 15419422.1/56

All: 0.000+/-0.000 χ^2/NDF : 30768542.4/116

- sign 0.000+/-0.000 χ^2/NDF : 15062116.3/59

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.008 χ^2/NDF : 48.2/31

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.011 ± 0.008 χ^2/NDF : 24.5/36

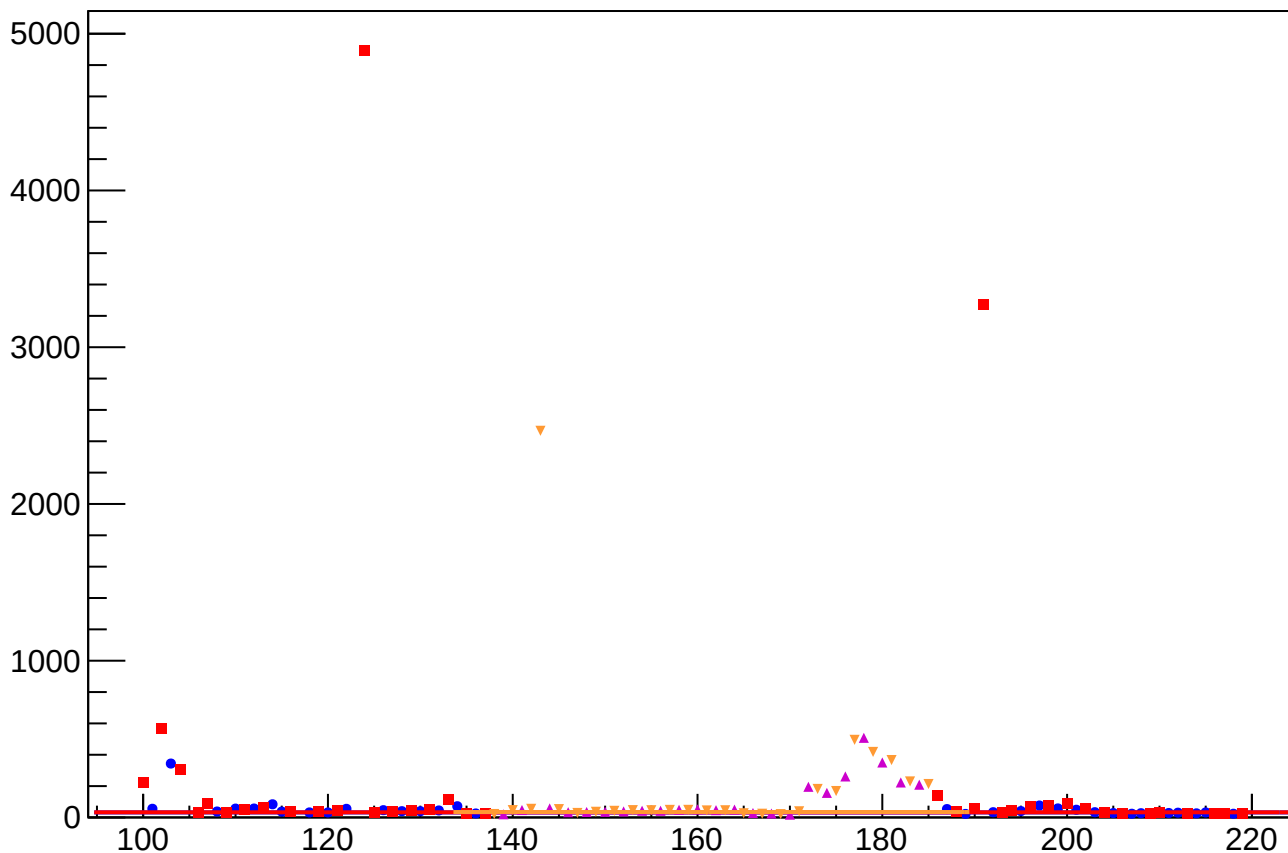
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.013 ± 0.006 χ^2/NDF : 72.8/56

All: 0.005 ± 0.005 χ^2/NDF : 117.4/116

- sign -0.002 ± 0.006 χ^2/NDF : 41.8/59

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 32.041 $\pm$ 0.006 χ^2 /NDF: 3954577.6/31

Left Out: 34.624 $\pm$ 0.007 χ^2 /NDF: 11402451.4/24

Right Out: 32.850 $\pm$ 0.006 χ^2 /NDF: 6862566.4/36

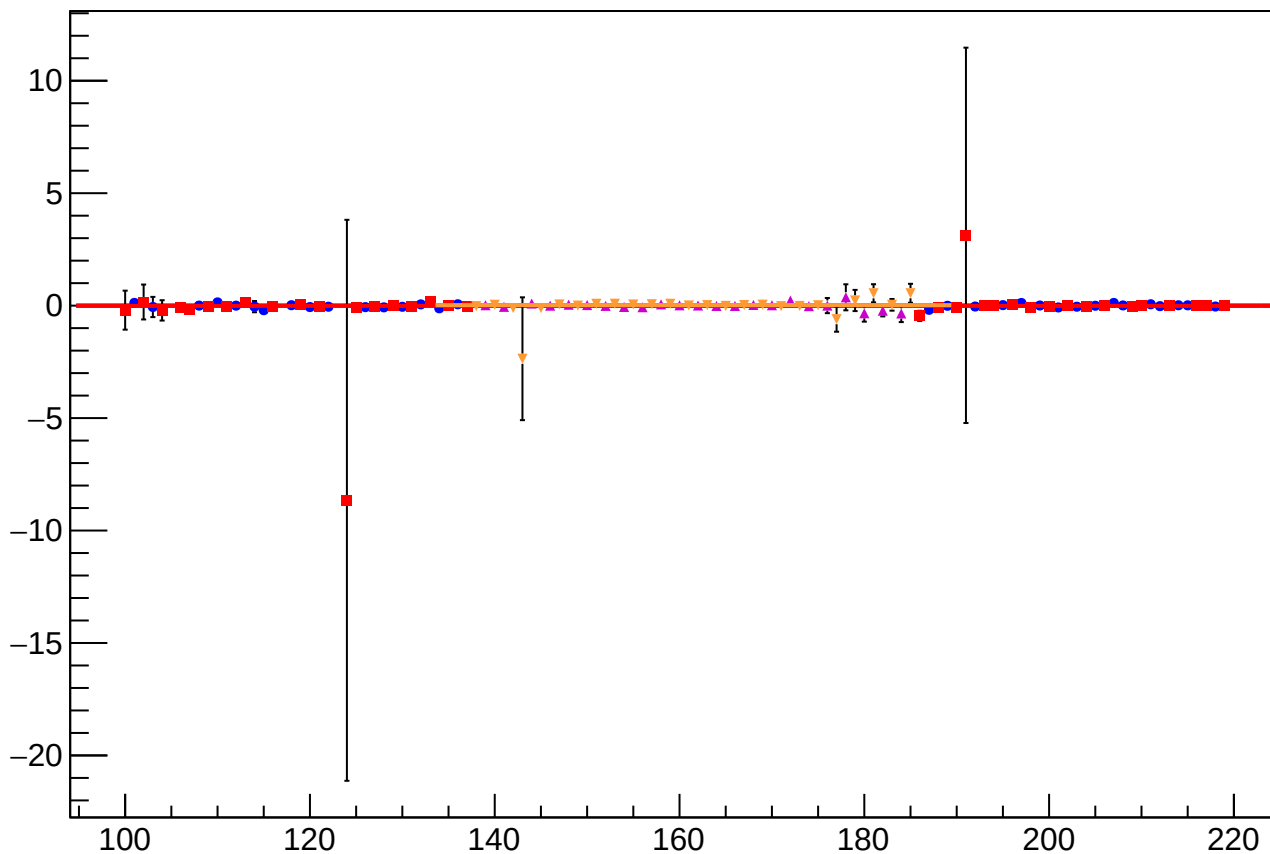
Left In: 33.592 $\pm$ 0.007 χ^2 /NDF: 10067466.4/22

+ sign 33.055 $\pm$ 0.005 χ^2 /NDF: 15434798.1/56

All: 33.108 $\pm$ 0.003 χ^2 /NDF: 32371574.0/116

- sign 33.162 $\pm$ 0.005 χ^2 /NDF: 16936500.7/59

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.008 $\chi^2/\text{NDF}: 48.2/31$

Left Out: 0.023 ± 0.010 $\chi^2/\text{NDF}: 22.8/24$

Right Out: -0.011 ± 0.008 $\chi^2/\text{NDF}: 24.5/36$

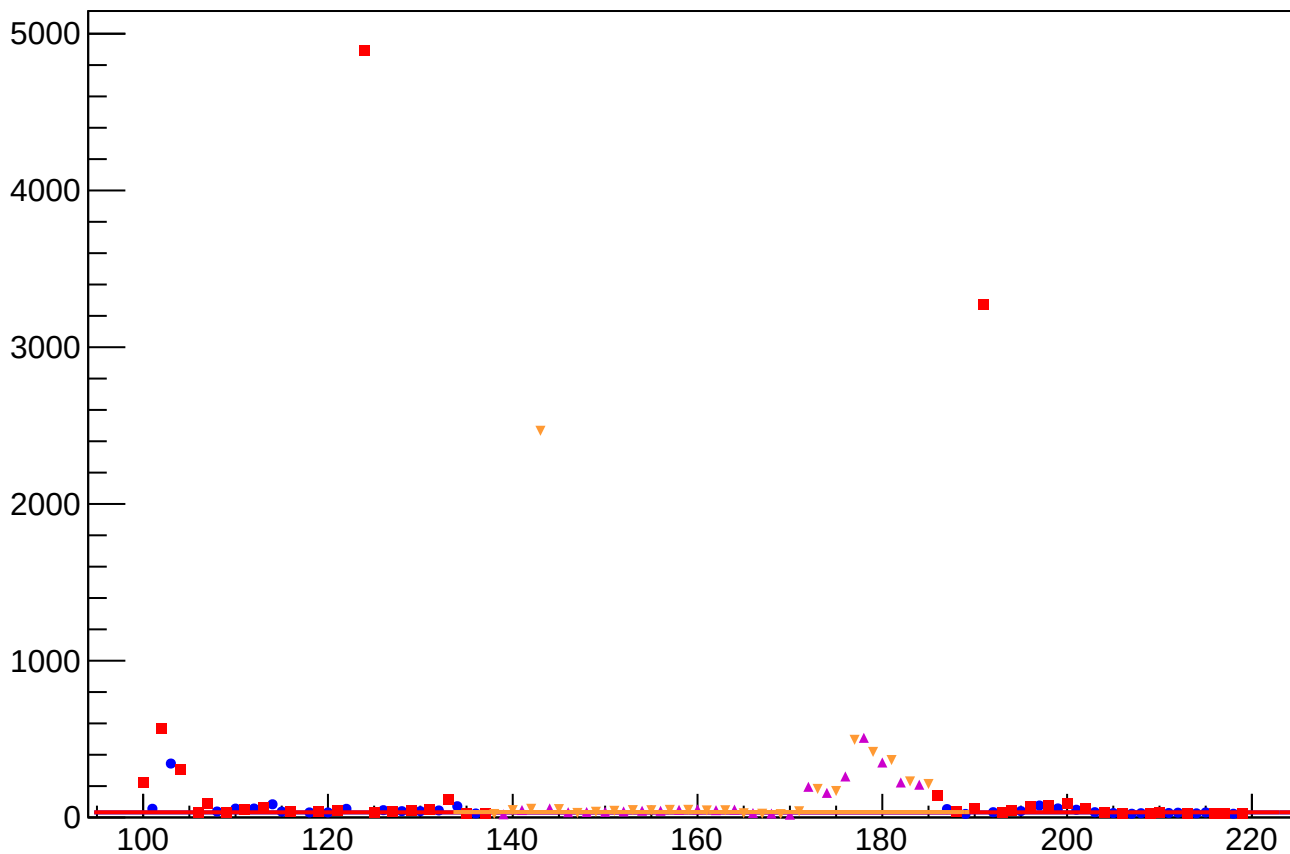
Left In: 0.010 ± 0.010 $\chi^2/\text{NDF}: 14.8/22$

+ sign 0.013 ± 0.006 $\chi^2/\text{NDF}: 72.8/56$

All: 0.005 ± 0.005 $\chi^2/\text{NDF}: 117.4/116$

- sign -0.002 ± 0.006 $\chi^2/\text{NDF}: 41.8/59$

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.041 $\pm$ 0.006 χ^2 /NDF: 3954577.6/31

Left Out: 34.624 $\pm$ 0.007 χ^2 /NDF: 11402451.4/24

Right Out: 32.850 $\pm$ 0.006 χ^2 /NDF: 6862566.4/36

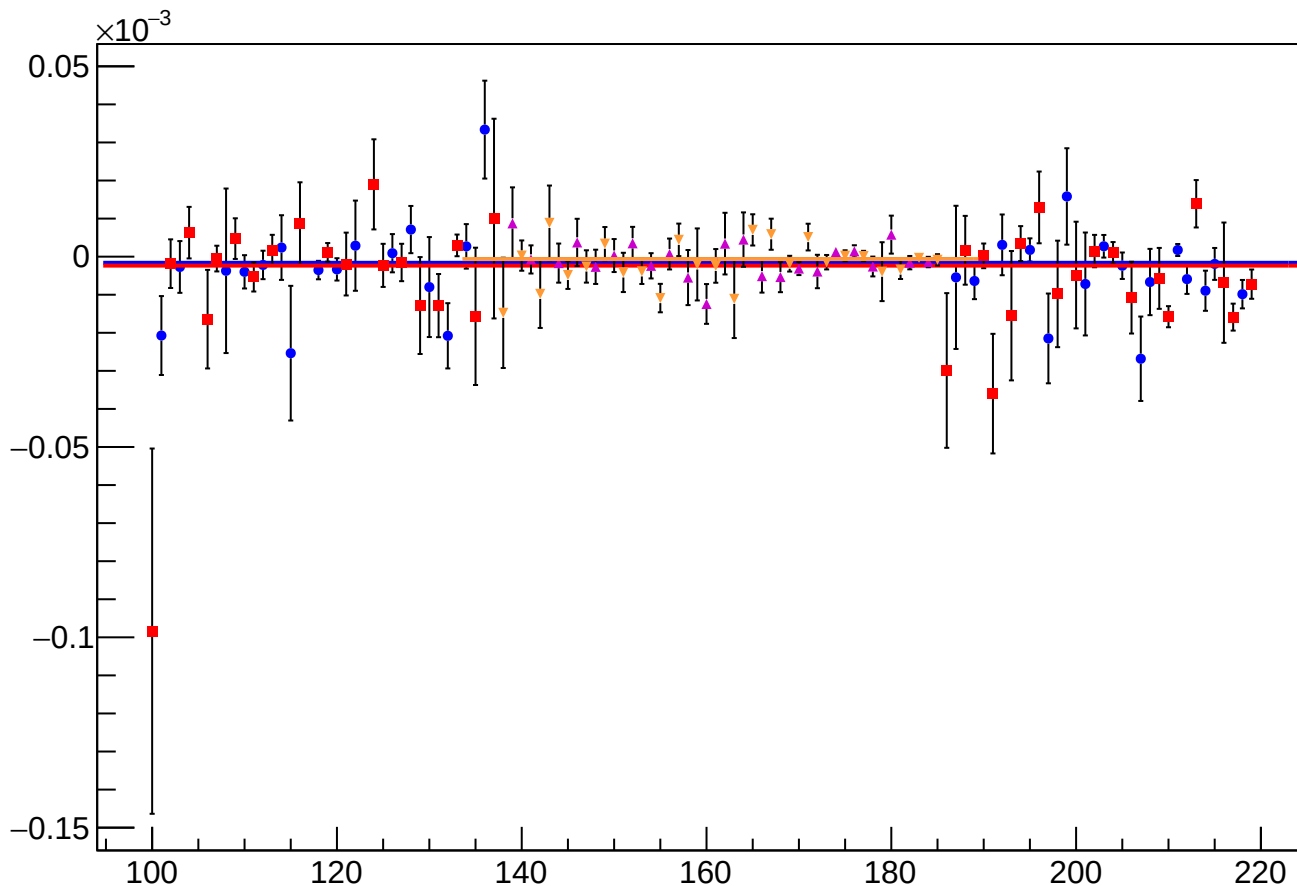
Left In: 33.592 $\pm$ 0.007 χ^2 /NDF: 10067466.4/22

+ sign 33.055 $\pm$ 0.005 χ^2 /NDF: 15434798.1/56

All: 33.108 $\pm$ 0.003 χ^2 /NDF: 32371574.0/116

- sign 33.162 $\pm$ 0.005 χ^2 /NDF: 16936500.7/59

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 50.1/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.4/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 85.6/36

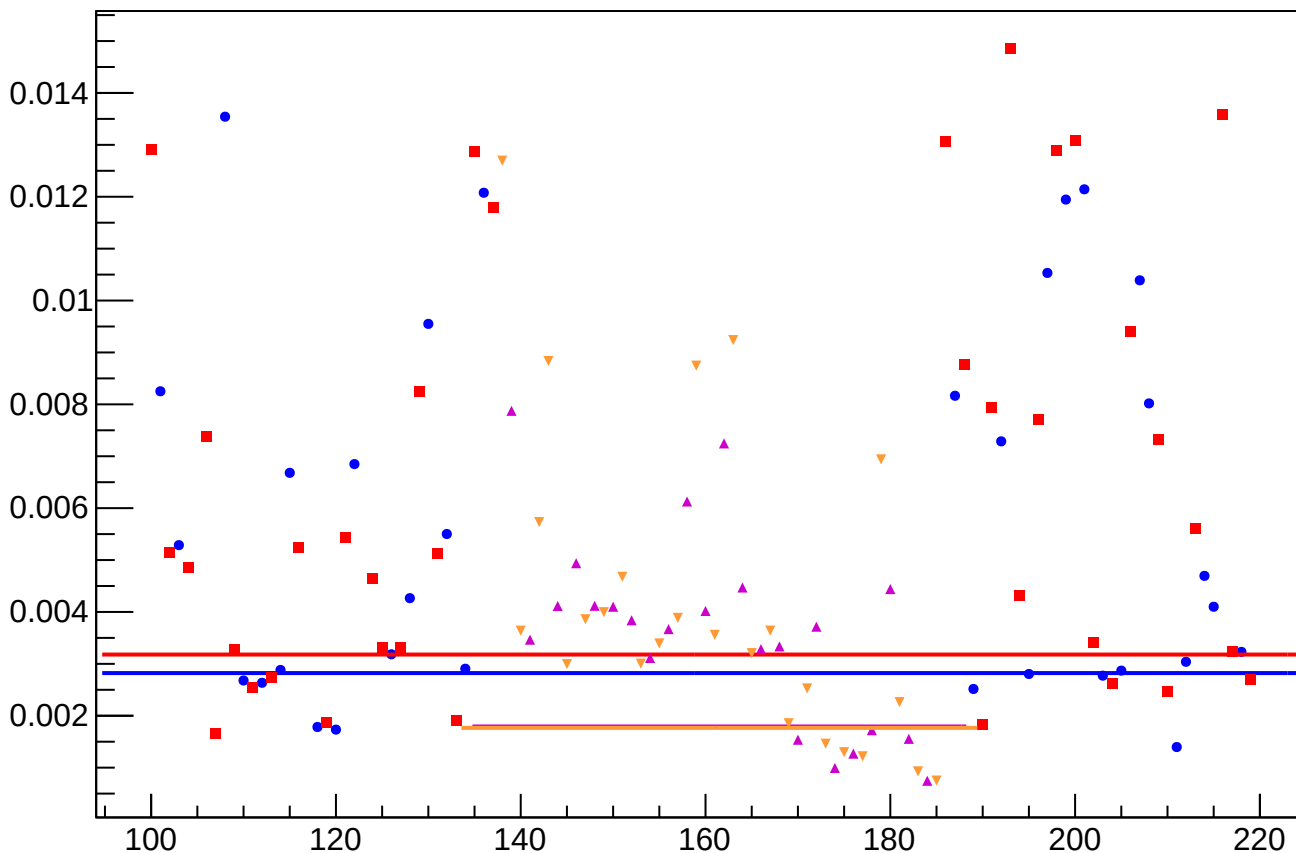
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 79.6/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 190.2/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 110.4/59

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 11550294.0/31

Left Out: 0.002+/-0.000 χ^2/NDF :12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 11631328.0/36

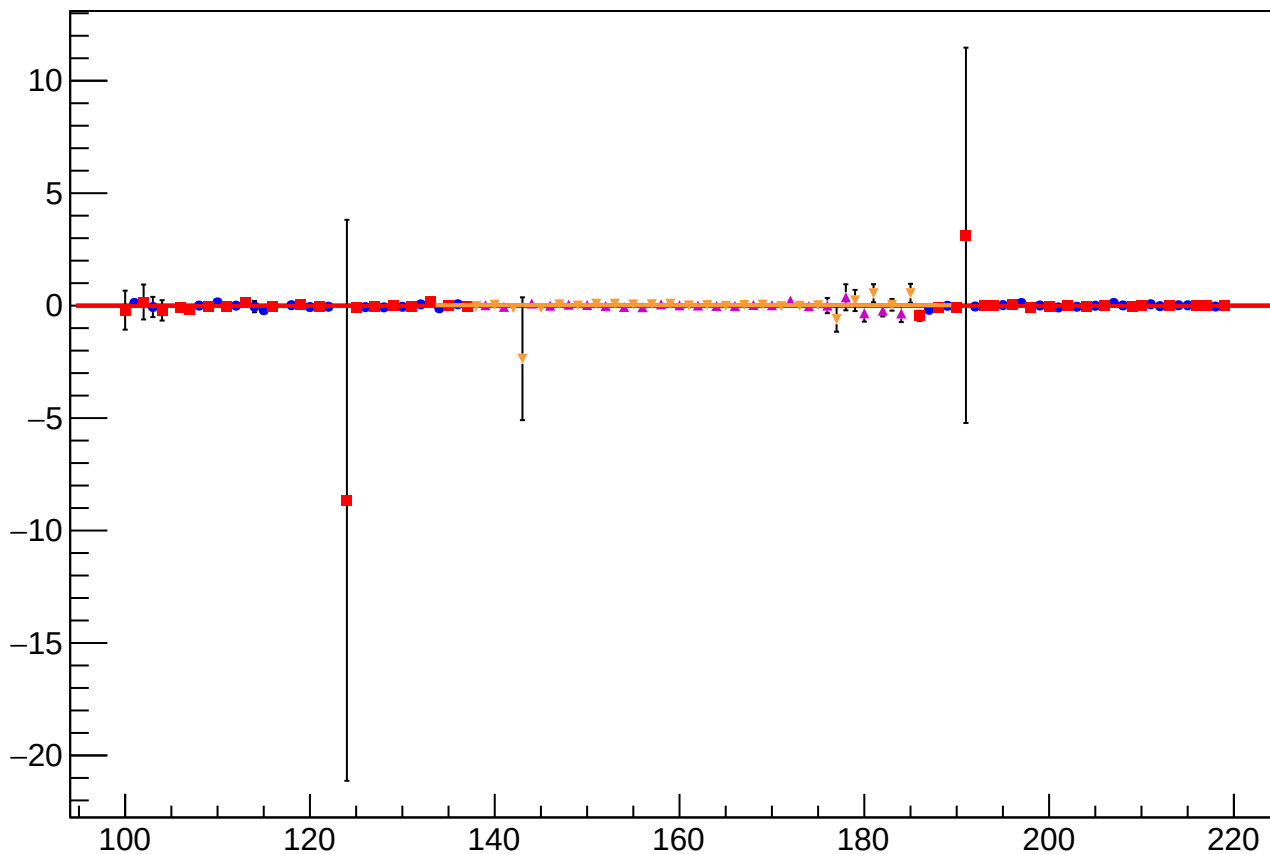
Left In: 0.002+/-0.000 χ^2/NDF :10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF : 27018191.5/56

All: 0.002+/-0.000 χ^2/NDF : 53340849.3/116

- sign 0.002+/-0.000 χ^2/NDF : 26245327.7/59

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2 /NDF: 48.2/31

Left Out: 0.023 $\pm$ 0.010 χ^2 /NDF:22.8/24

Right Out: -0.011 $\pm$ 0.008 χ^2 /NDF: 24.5/36

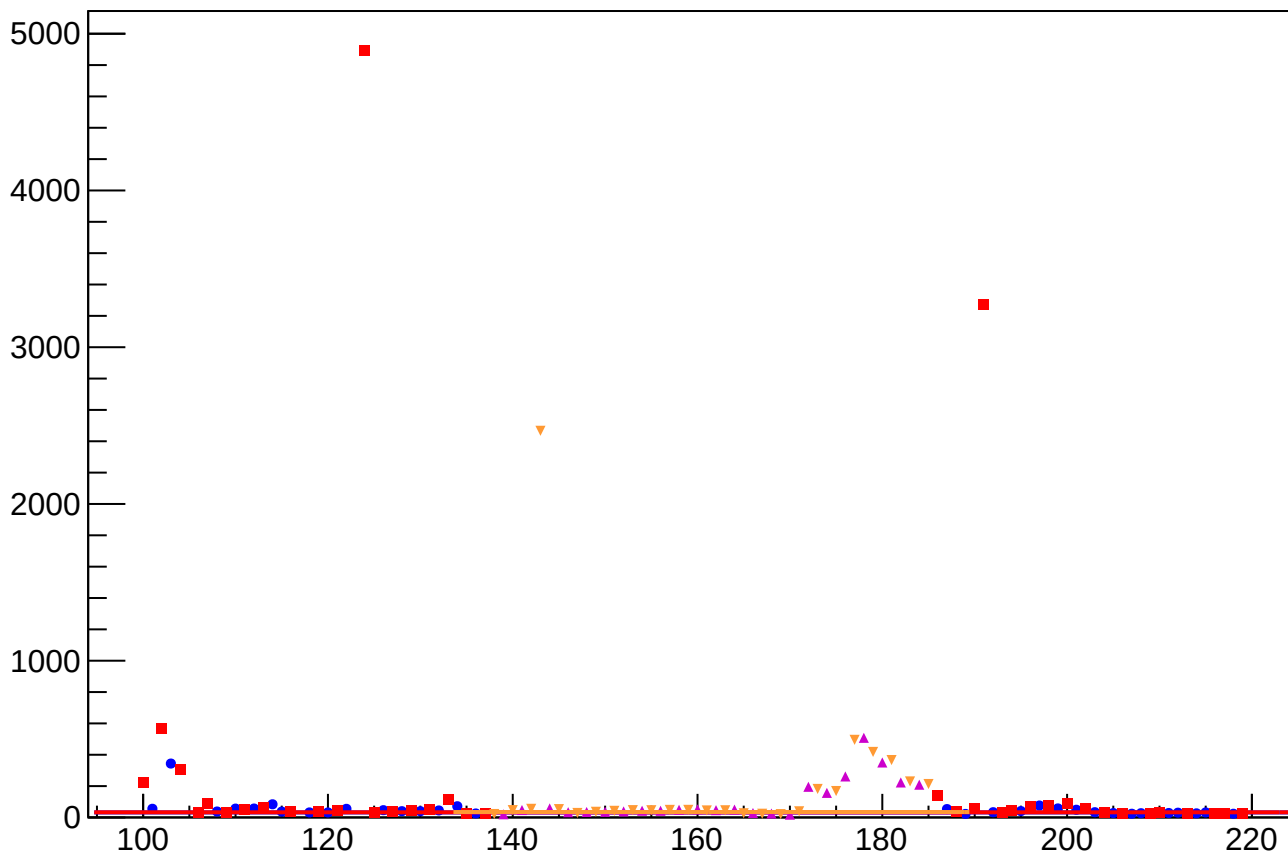
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:14.8/22

+ sign 0.013 $\pm$ 0.006 χ^2 /NDF: 72.8/56

All: 0.005 $\pm$ 0.005 χ^2 /NDF: 117.4/116

- sign -0.002 $\pm$ 0.006 χ^2 /NDF: 41.8/59

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 32.044+/-0.006 χ^2/NDF : 3953293.6/31

Left Out: 34.623+/-0.007 χ^2/NDF : 11402566.2/24

Right Out: 32.851+/-0.006 χ^2/NDF : 6862502.7/36

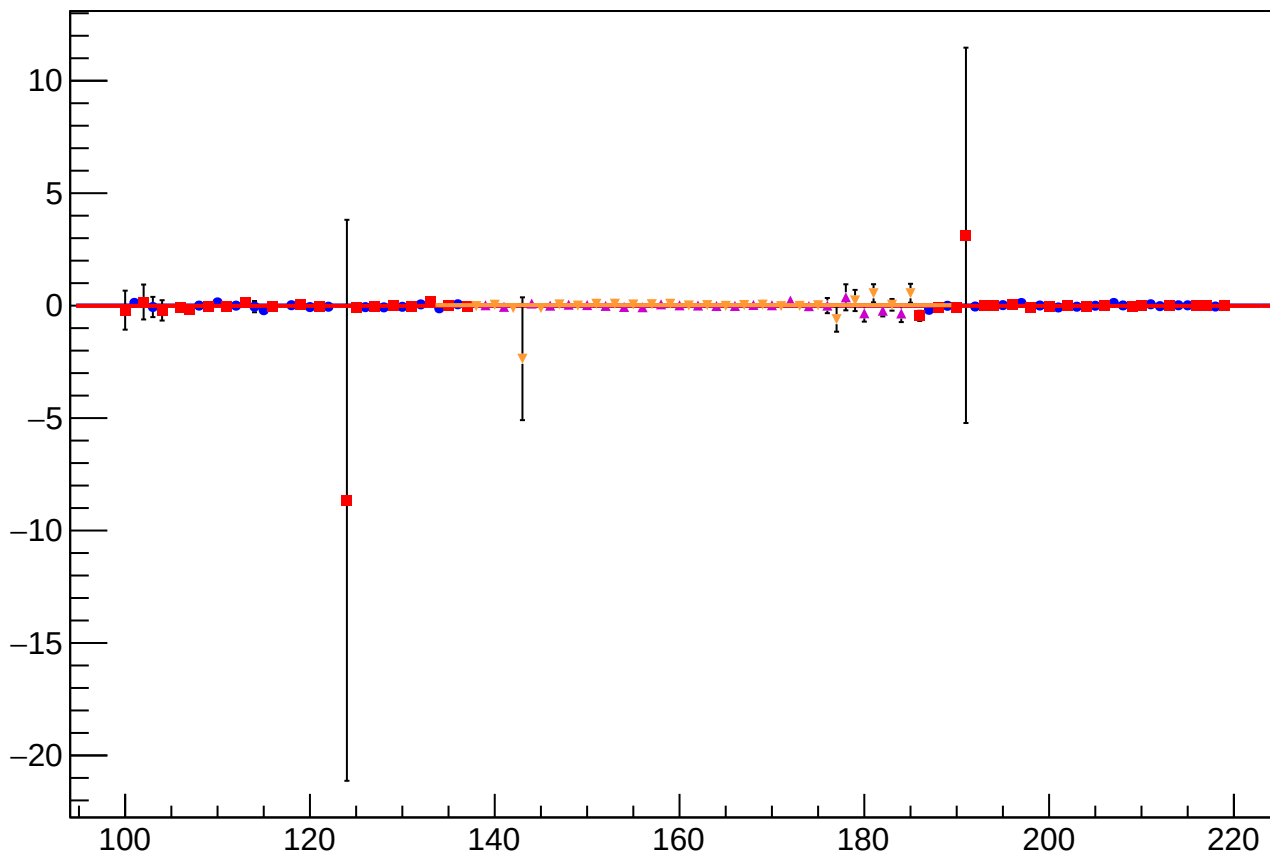
Left In: 33.595+/-0.007 χ^2/NDF : 10066196.6/22

+ sign 33.057+/-0.005 χ^2/NDF : 15433416.6/56

All: 33.109+/-0.003 χ^2/NDF : 32368893.0/116

- sign 33.163+/-0.005 χ^2/NDF : 16935201.8/59

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.008 $\chi^2/\text{NDF}: 48.2/31$

Left Out: 0.023 ± 0.010 $\chi^2/\text{NDF}: 22.8/24$

Right Out: -0.011 ± 0.008 $\chi^2/\text{NDF}: 24.5/36$

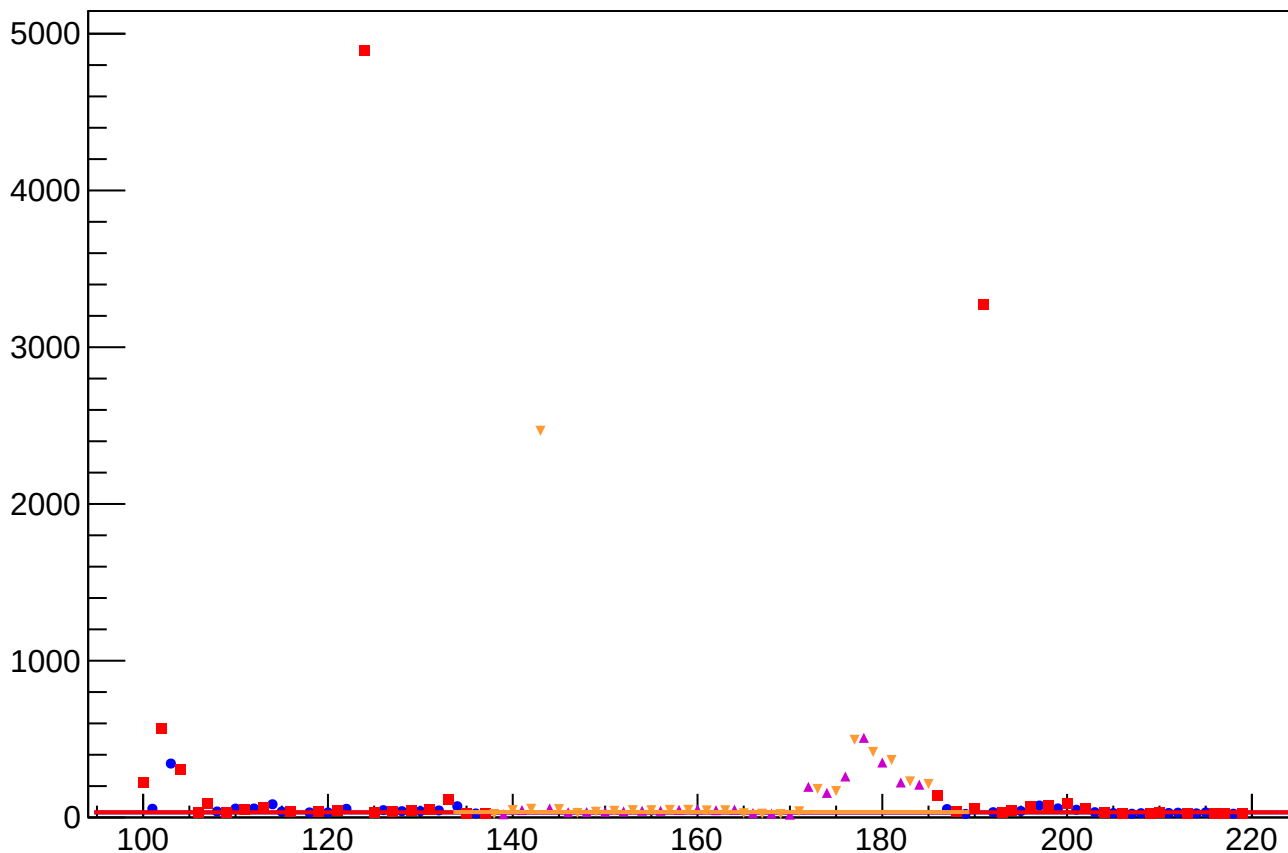
Left In: 0.010 ± 0.010 $\chi^2/\text{NDF}: 14.8/22$

+ sign 0.013 ± 0.006 $\chi^2/\text{NDF}: 72.8/56$

All: 0.005 ± 0.005 $\chi^2/\text{NDF}: 117.4/116$

- sign -0.002 ± 0.006 $\chi^2/\text{NDF}: 41.8/59$

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.044 $\pm$ 0.006 χ^2 /NDF: 3953293.6/31

Left Out: 34.623 $\pm$ 0.007 χ^2 /NDF: 11402566.2/24

Right Out: 32.851 $\pm$ 0.006 χ^2 /NDF: 6862502.7/36

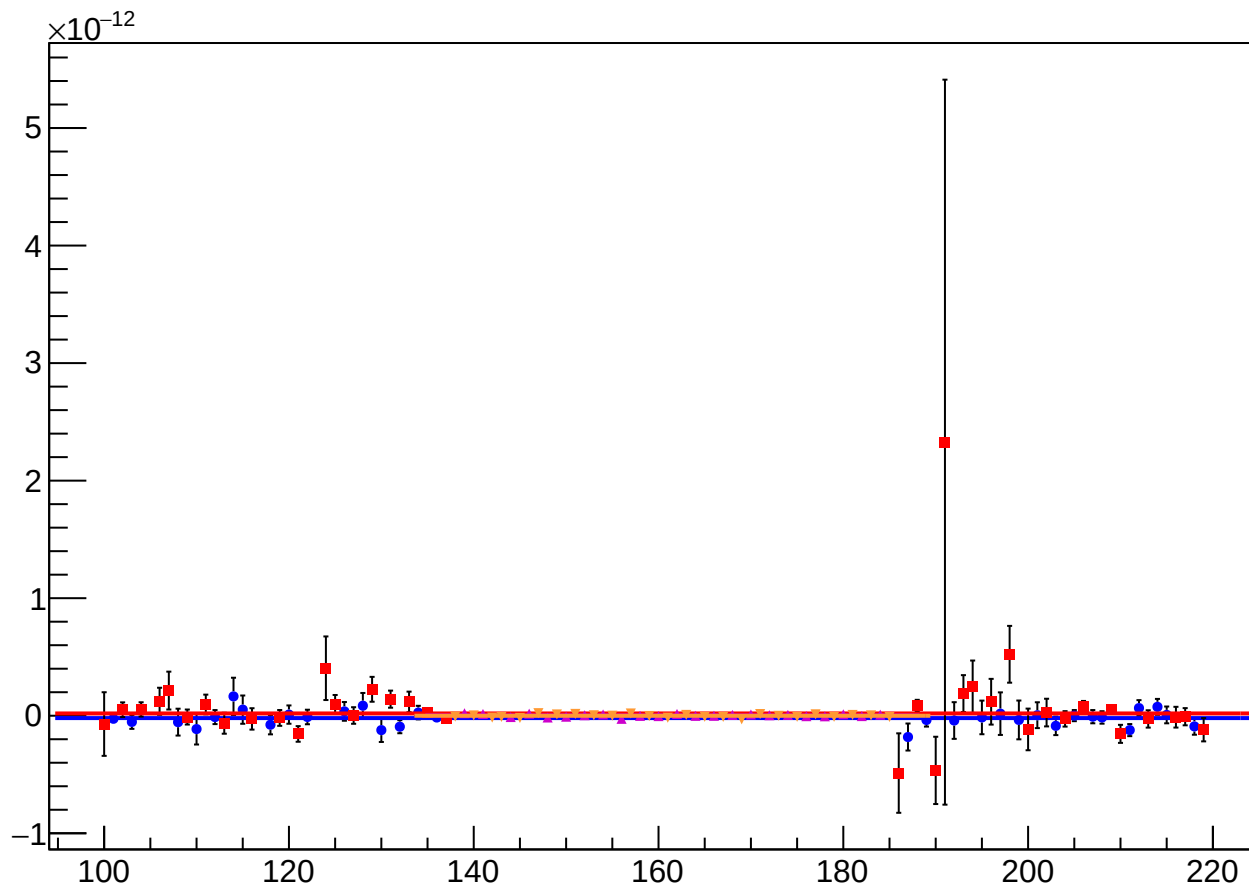
Left In: 33.595 $\pm$ 0.007 χ^2 /NDF: 10066196.6/22

+ sign 33.057 $\pm$ 0.005 χ^2 /NDF: 15433416.6/56

All: 33.109 $\pm$ 0.003 χ^2 /NDF: 32368893.0/116

- sign 33.163 $\pm$ 0.005 χ^2 /NDF: 16935201.8/59

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 20.2/31

Left Out: -0.000+/-0.000 χ^2/NDF : 26.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 52.8/36

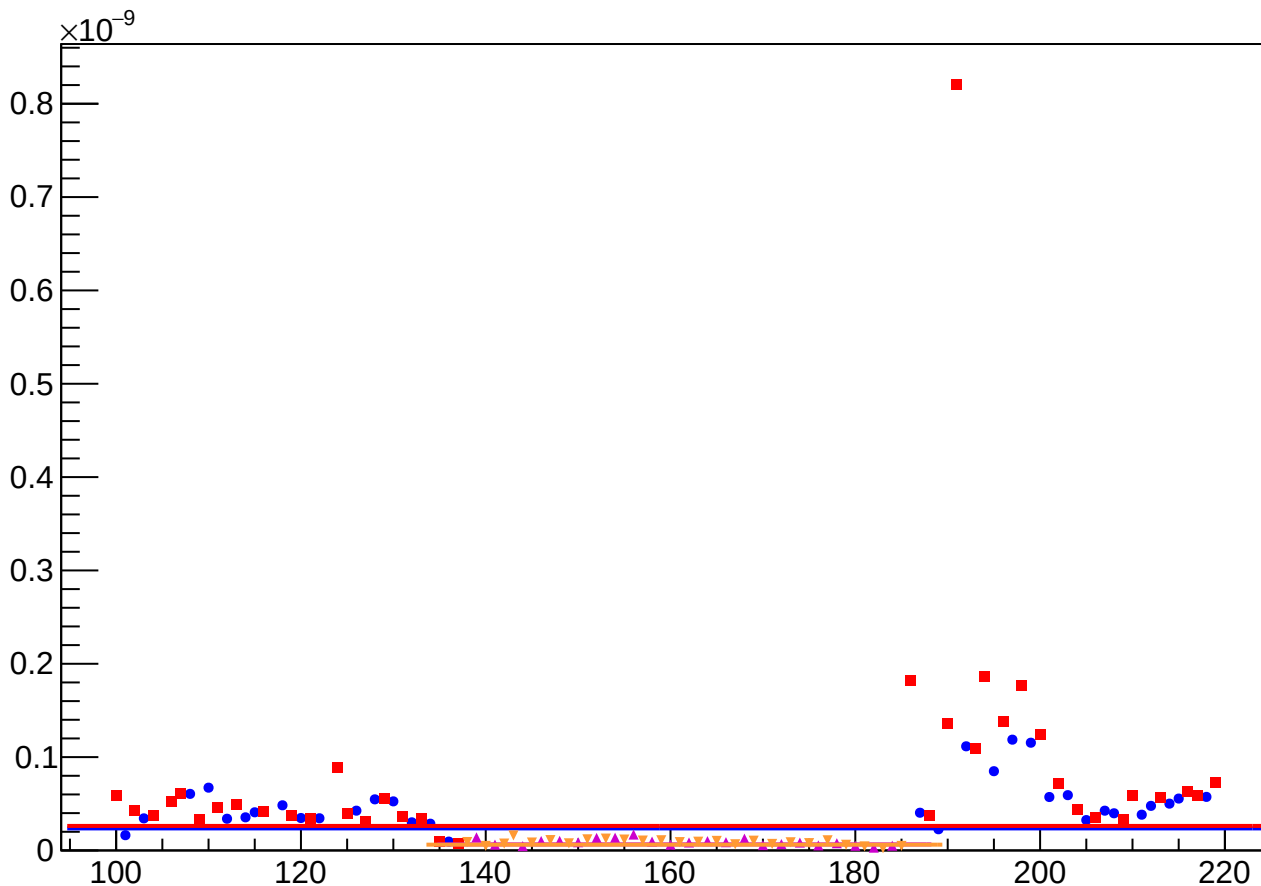
Left In: 0.000+/-0.000 χ^2/NDF : 20.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 51.2/56

All: 0.000+/-0.000 χ^2/NDF : 129.3/116

- sign 0.000+/-0.000 χ^2/NDF : 75.9/59

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9000854.2/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:5077918.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11712452.7/36

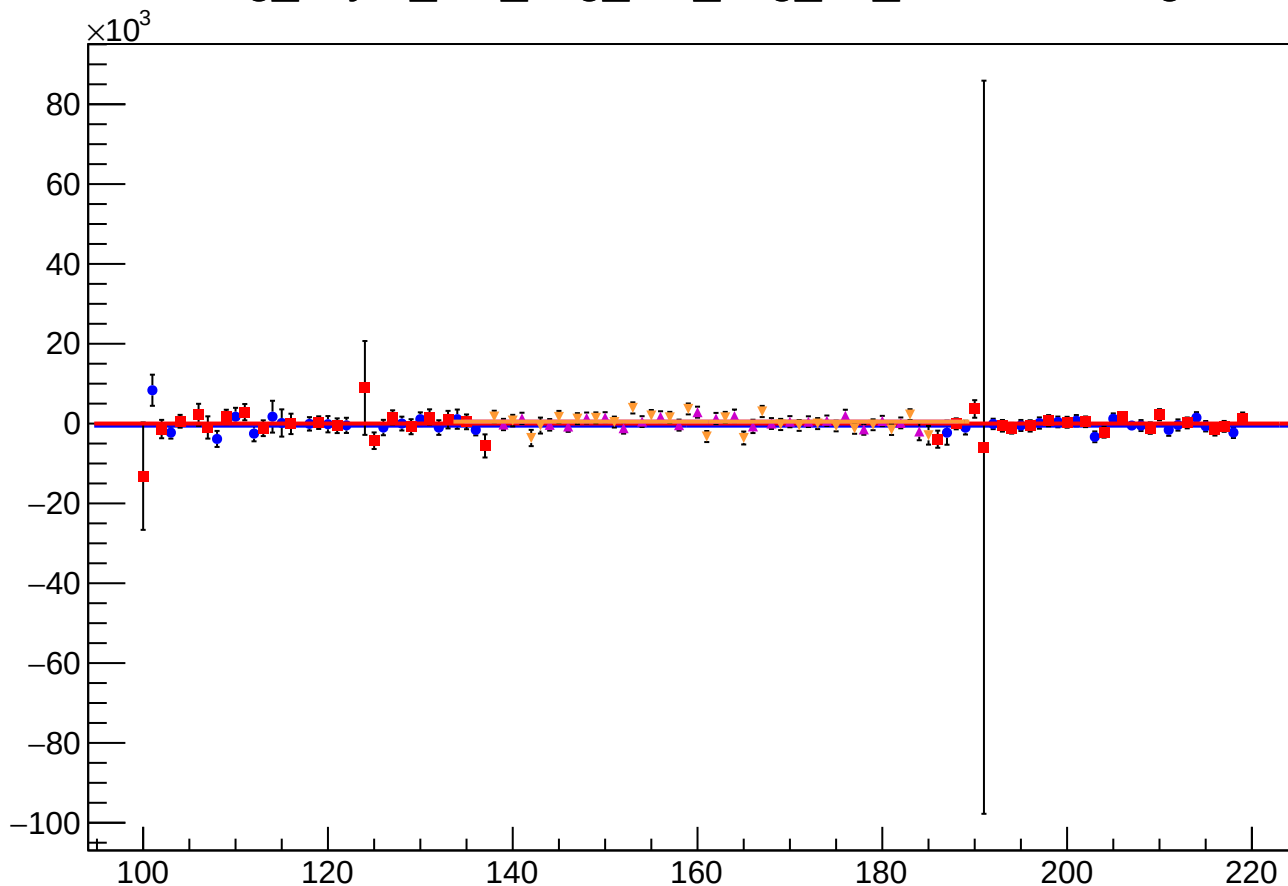
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3998320.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21739824.3/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 45614067.7/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23850212.2/59

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -518.956 ± 286.661 χ^2/NDF : 26.2/31

Left Out: 492.062 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 10.411 ± 281.970 χ^2/NDF : 33.5/36

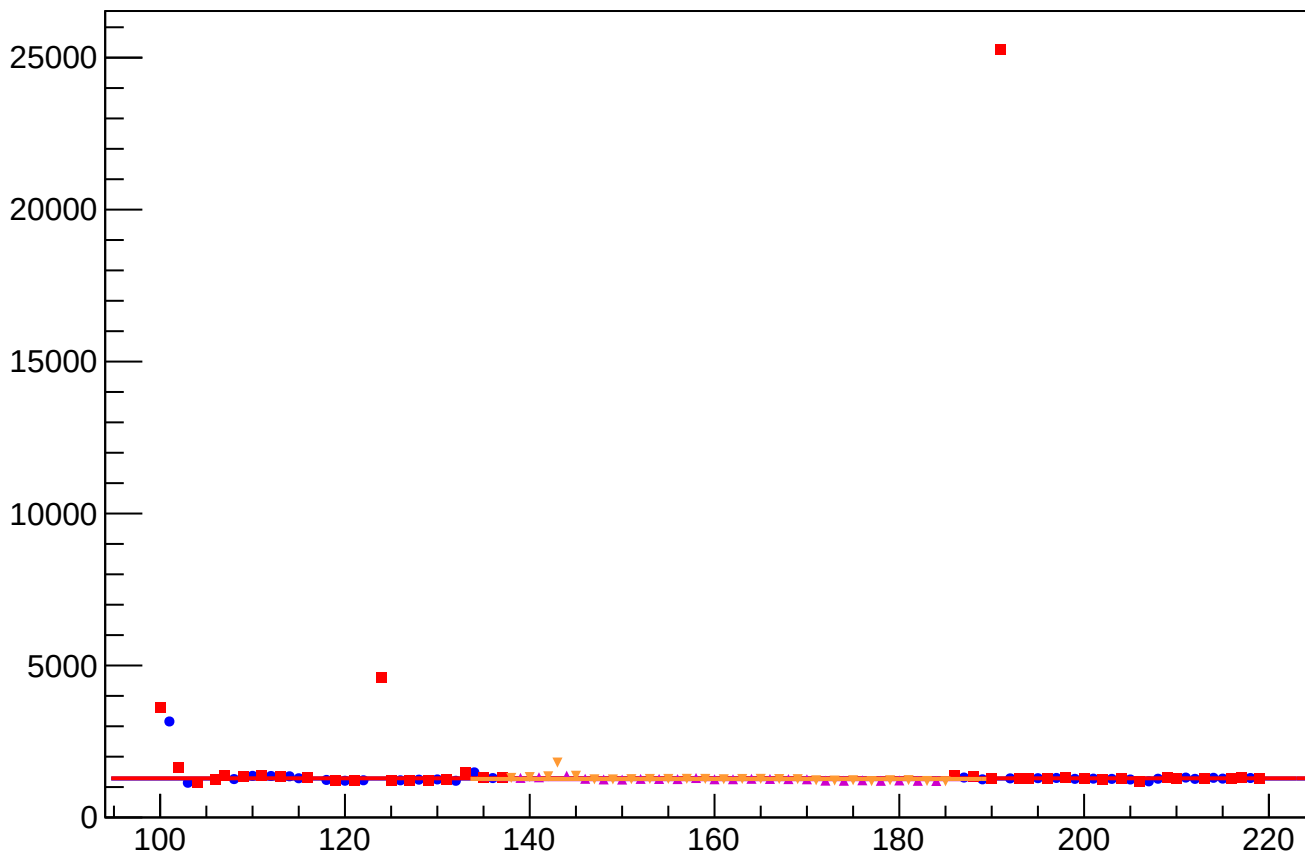
Left In: 486.821 ± 293.769 χ^2/NDF : 14.4/22

+ sign -16.670 ± 203.345 χ^2/NDF : 79.3/56

All: 111.043 ± 143.816 χ^2/NDF : 129.3/116

- sign 238.857 ± 203.426 χ^2/NDF : 49.3/59

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1279.520 $\pm$ 0.203 χ^2 /NDF: 530618.1/31

Left Out: 1266.967 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1288.492 $\pm$ 0.199 χ^2 /NDF: 483574.3/36

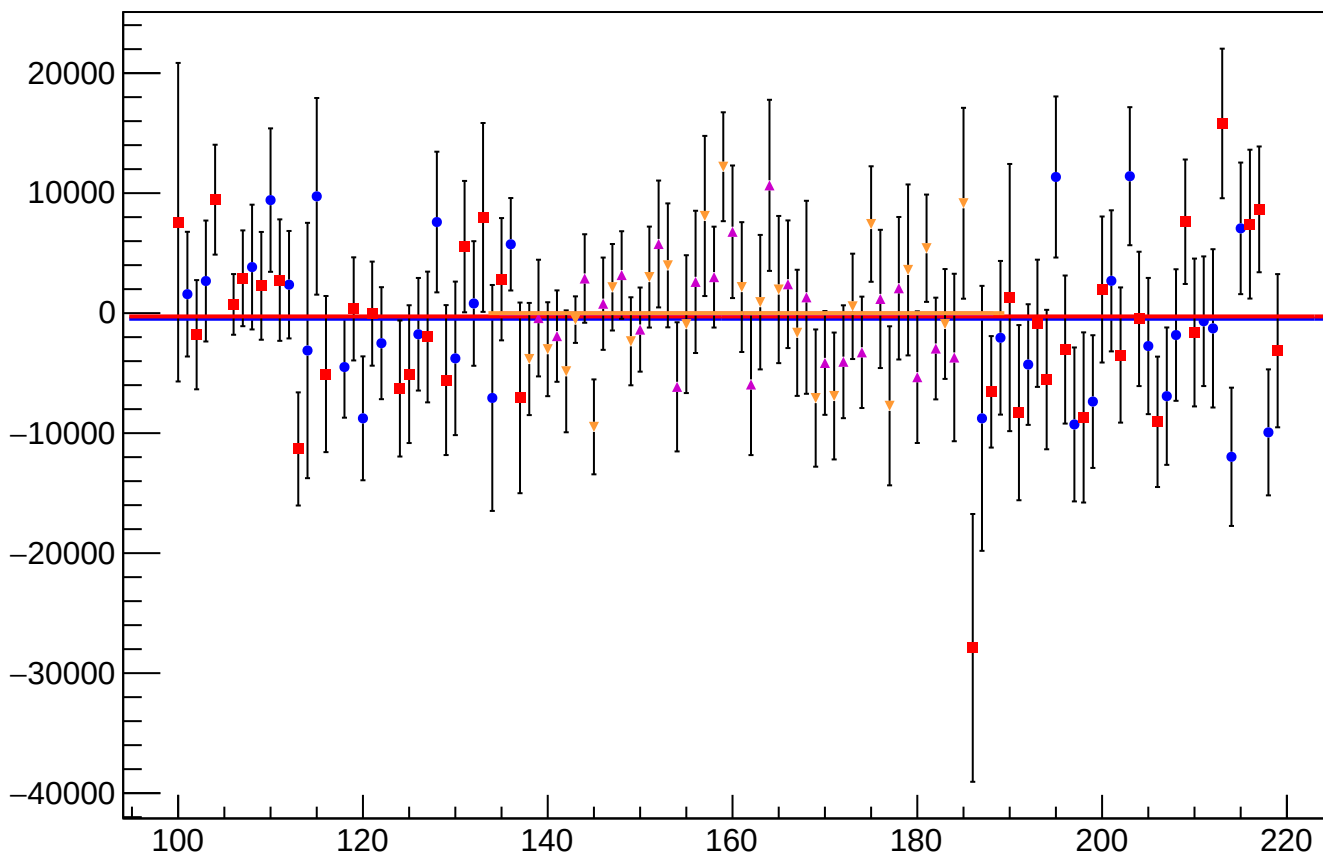
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.4/22

+ sign 1273.284 $\pm$ 0.144 χ^2 /NDF: 720068.9/56

All: 1273.476 $\pm$ 0.102 χ^2 /NDF: 1252019.9/11

- sign 1273.669 $\pm$ 0.144 χ^2 /NDF: 531947.5/59

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug



Right In: -468.160+/-984.534 χ^2/NDF : 38.0/31

Left Out: -0.604+/-886.488 χ^2/NDF : 29.1/24

Right Out: -274.259+/-875.989 χ^2/NDF : 46.8/36

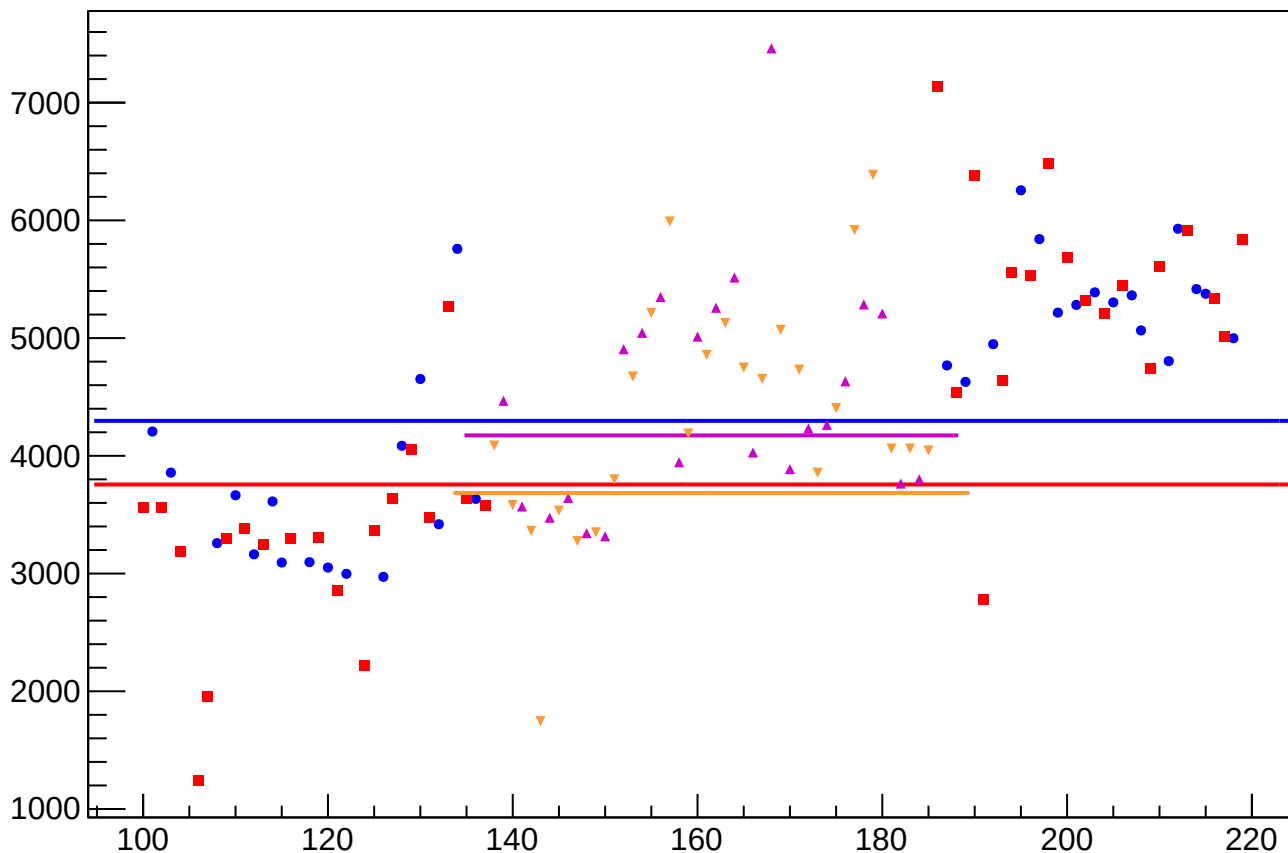
Left In: -31.593+/-995.348 χ^2/NDF : 14.0/22

+ sign -209.948+/-658.786 χ^2/NDF : 67.2/56

All: -189.107+/-465.408 χ^2/NDF : 128.1/116

- sign -168.341+/-657.590 χ^2/NDF : 60.9/59

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug



Right In: 4297.027+/-0.696 χ^2/NDF : 2076361.0/31

Left Out: 3684.769+/-0.627 χ^2/NDF : 3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF : 5567877.2/36

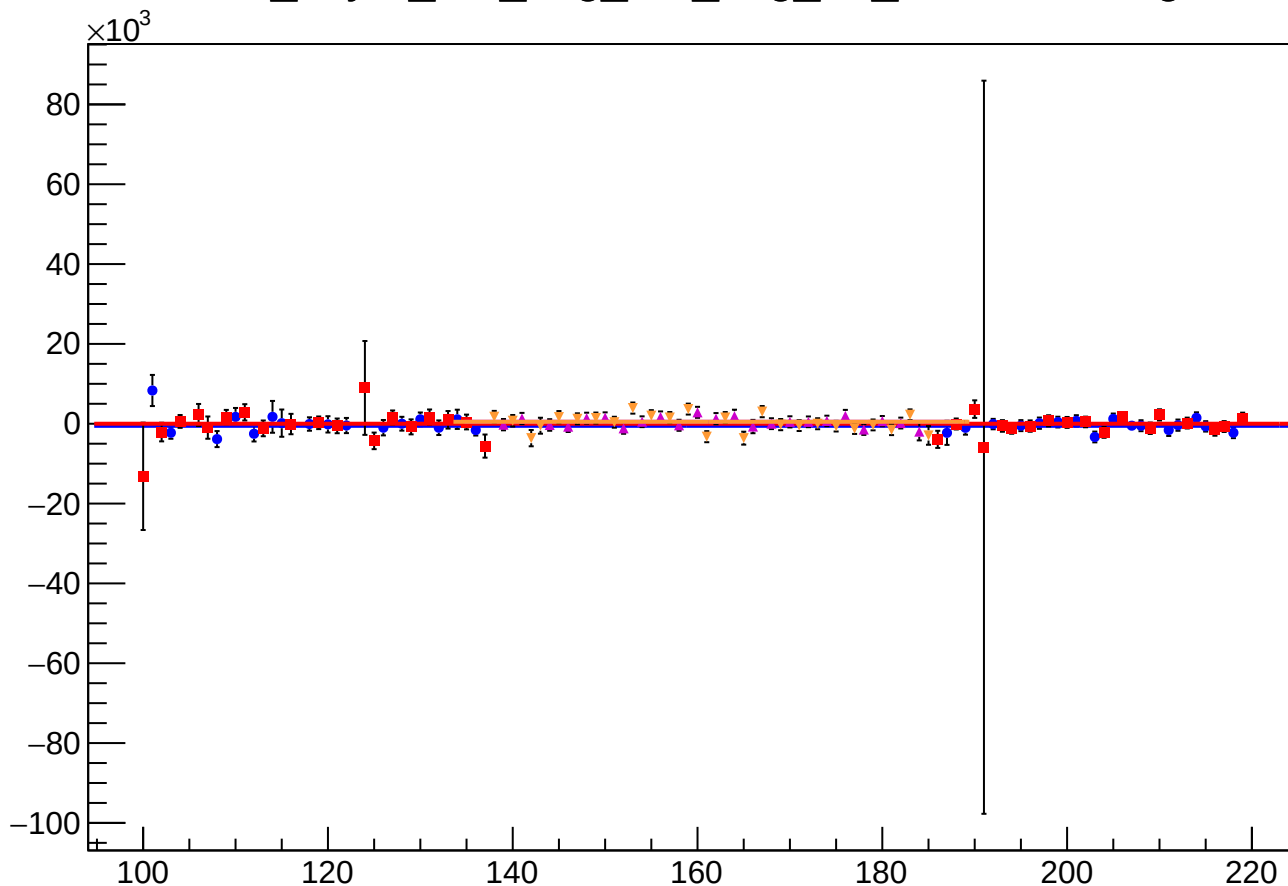
Left In: 4173.556+/-0.704 χ^2/NDF : 1274968.4/22

+ sign 3958.902+/-0.466 χ^2/NDF : 6197158.3/56

All: 3948.682+/-0.329 χ^2/NDF : 13238895.4/100

- sign 3938.499+/-0.465 χ^2/NDF : 7040776.2/59

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -519.082 ± 286.661 χ^2/NDF : 26.2/31

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 0.721 ± 282.033 χ^2/NDF : 33.9/36

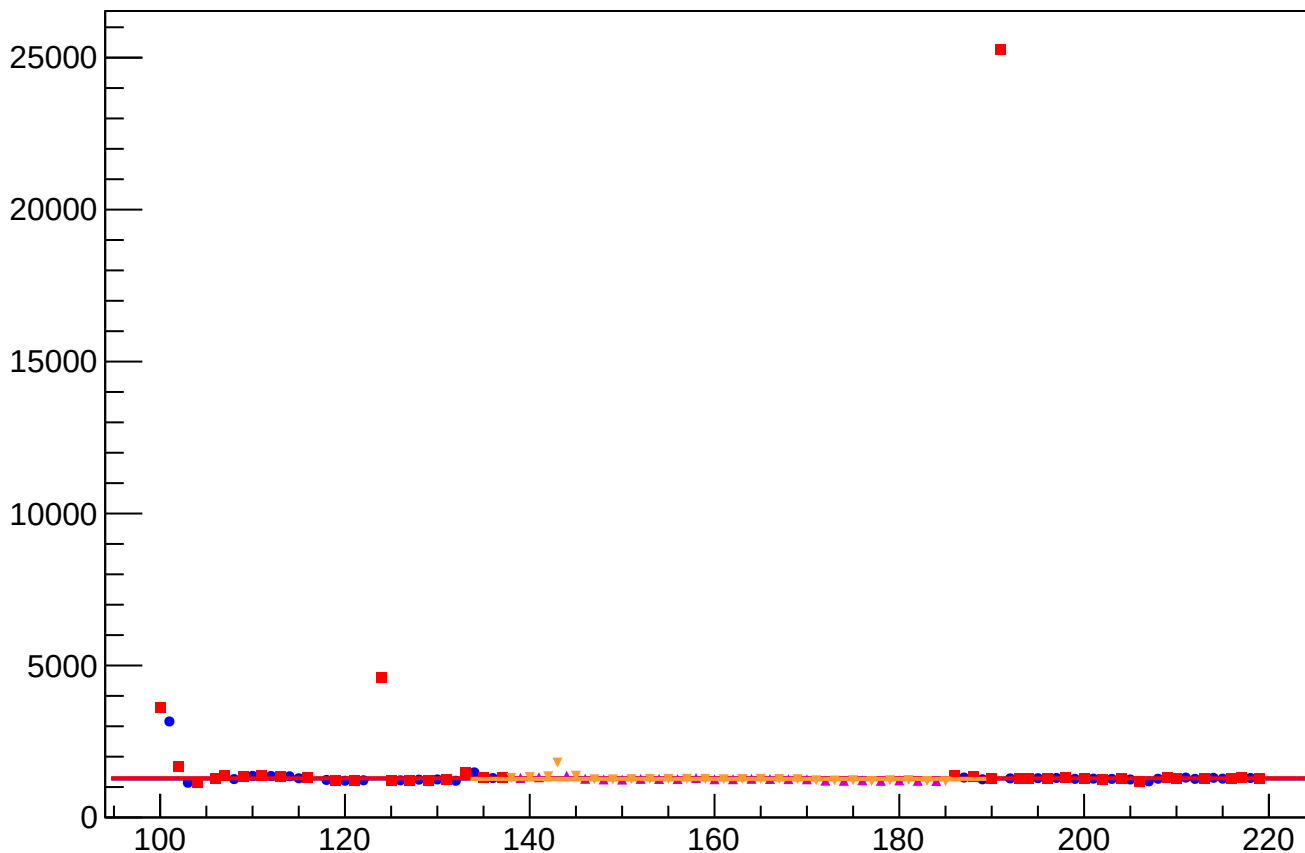
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign -16.725 ± 203.345 χ^2/NDF : 79.2/56

All: 108.483 ± 143.824 χ^2/NDF : 129.8/116

- sign 233.819 ± 203.450 χ^2/NDF : 49.8/59

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1279.520 $\pm$ 0.203 χ^2 /NDF: 530619.5/31

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.161 $\pm$ 0.199 χ^2 /NDF: 490475.5/36

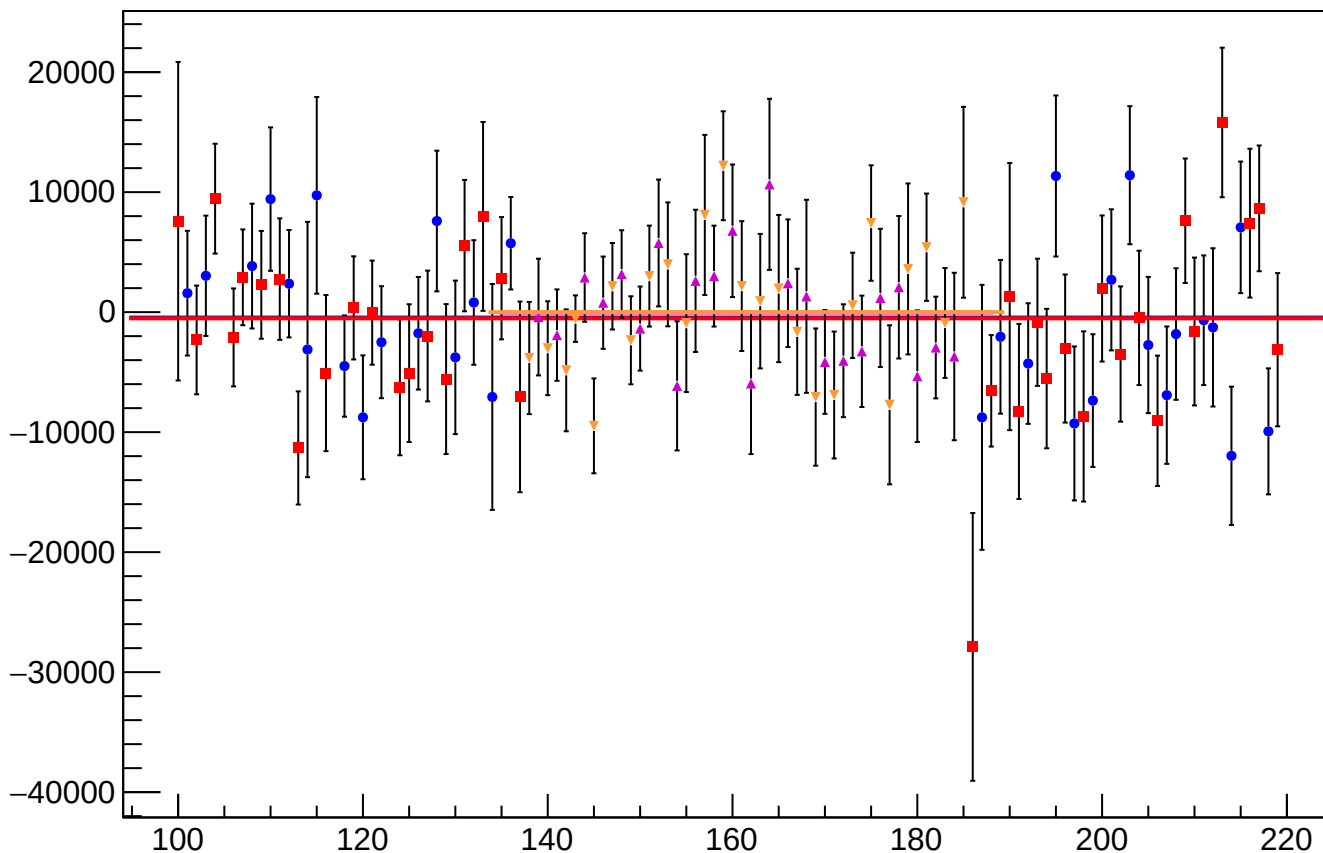
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1273.284 $\pm$ 0.144 χ^2 /NDF: 720070.2/56

All: 1273.647 $\pm$ 0.102 χ^2 /NDF: 1259431.4/11

- sign 1274.010 $\pm$ 0.144 χ^2 /NDF: 539348.4/59

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug



Right In: -453.478 ± 984.347 χ^2/NDF : 38.1/31

Left Out: -0.541 ± 886.487 χ^2/NDF : 29.1/24

Right Out: -515.681 ± 910.040 χ^2/NDF : 46.9/36

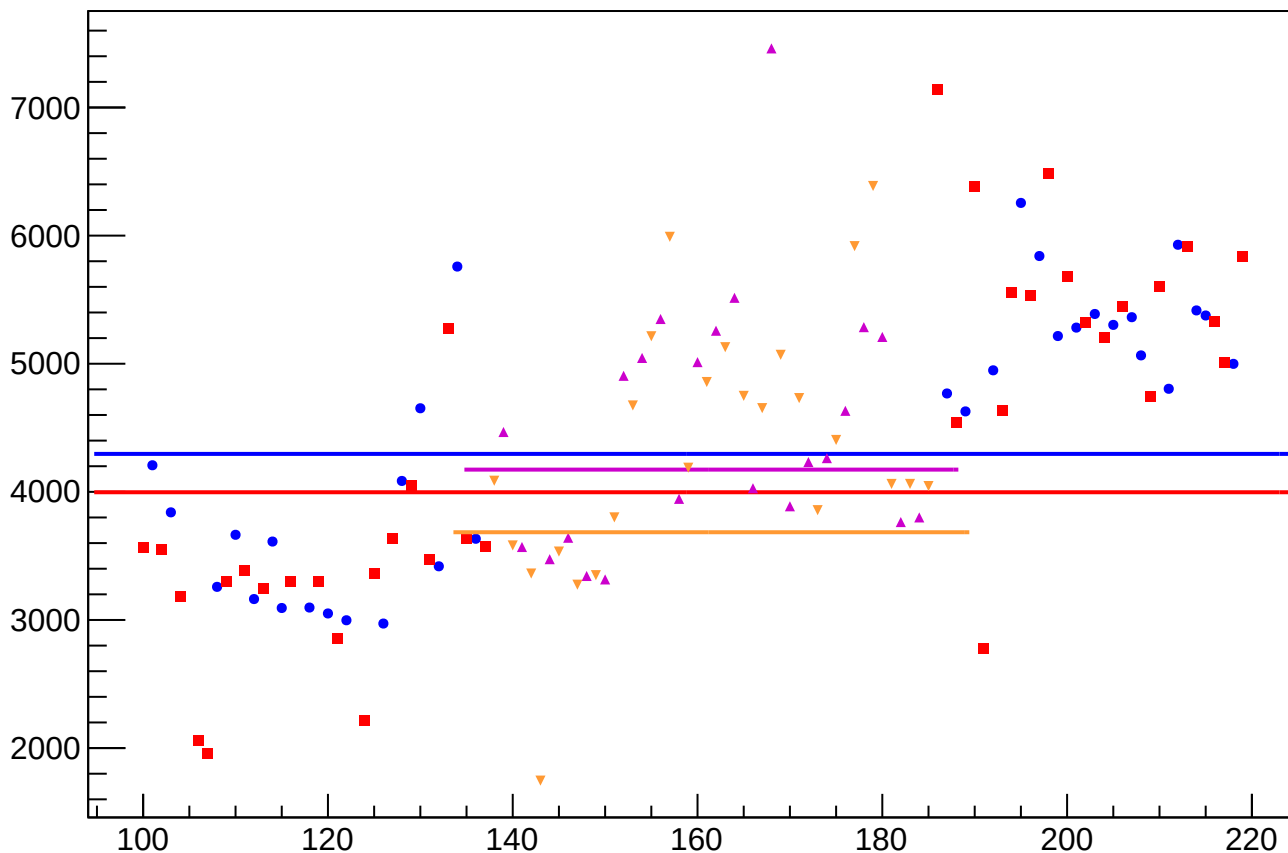
Left In: -31.597 ± 995.347 χ^2/NDF : 14.0/22

+ sign -203.382 ± 658.729 χ^2/NDF : 67.2/56

All: -248.434 ± 470.288 χ^2/NDF : 128.3/116

- sign -295.269 ± 671.633 χ^2/NDF : 61.1/59

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 4296.223+/-0.696 χ^2/NDF : 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF : 3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF : 3797224.6/36

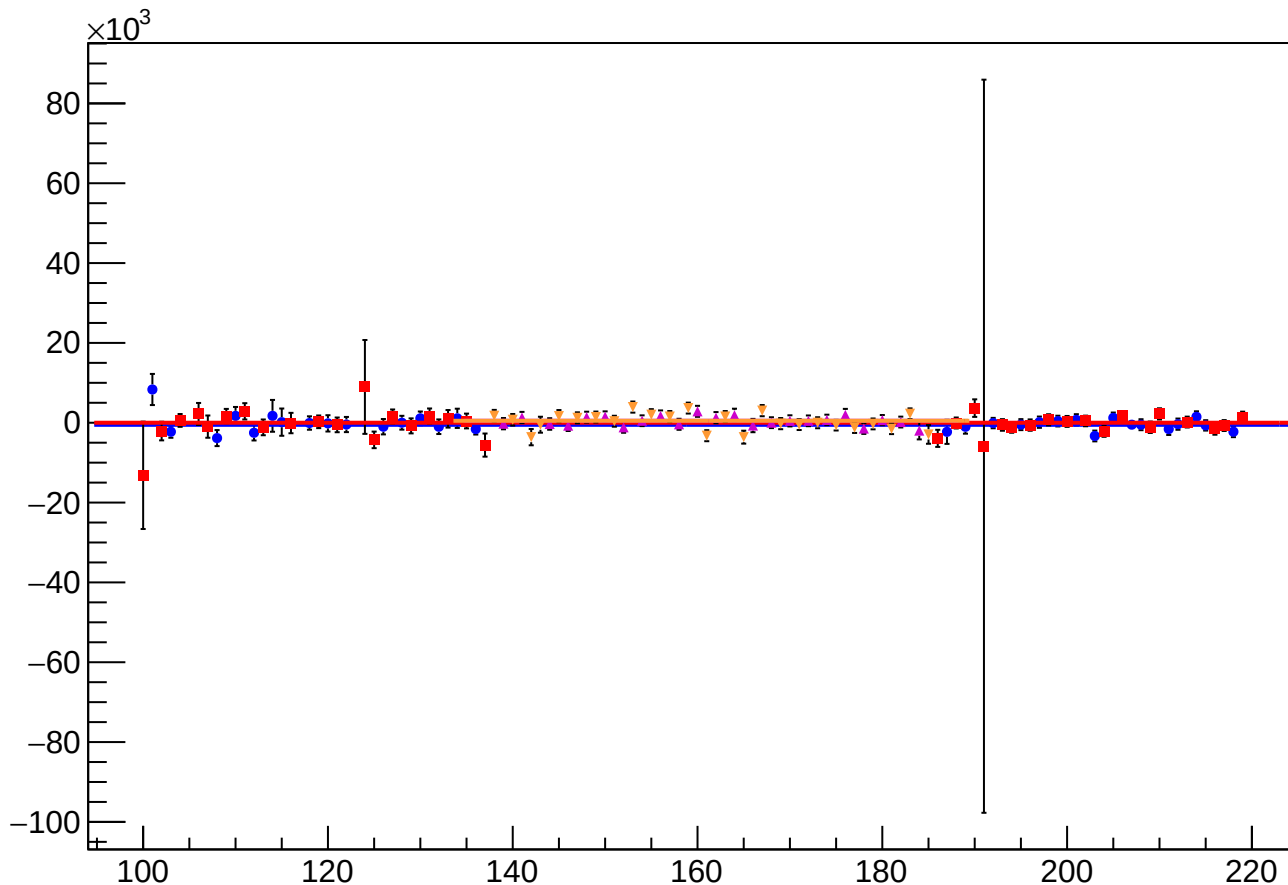
Left In: 4173.550+/-0.704 χ^2/NDF : 1274967.5/22

+ sign 3958.595+/-0.466 χ^2/NDF : 6197559.1/56

All: 4016.805+/-0.333 χ^2/NDF : 11335926.5/100

- sign 4077.317+/-0.475 χ^2/NDF : 5106515.0/59

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -519.082 ± 286.661 χ^2/NDF : 26.2/31

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 0.721 ± 282.033 χ^2/NDF : 33.9/36

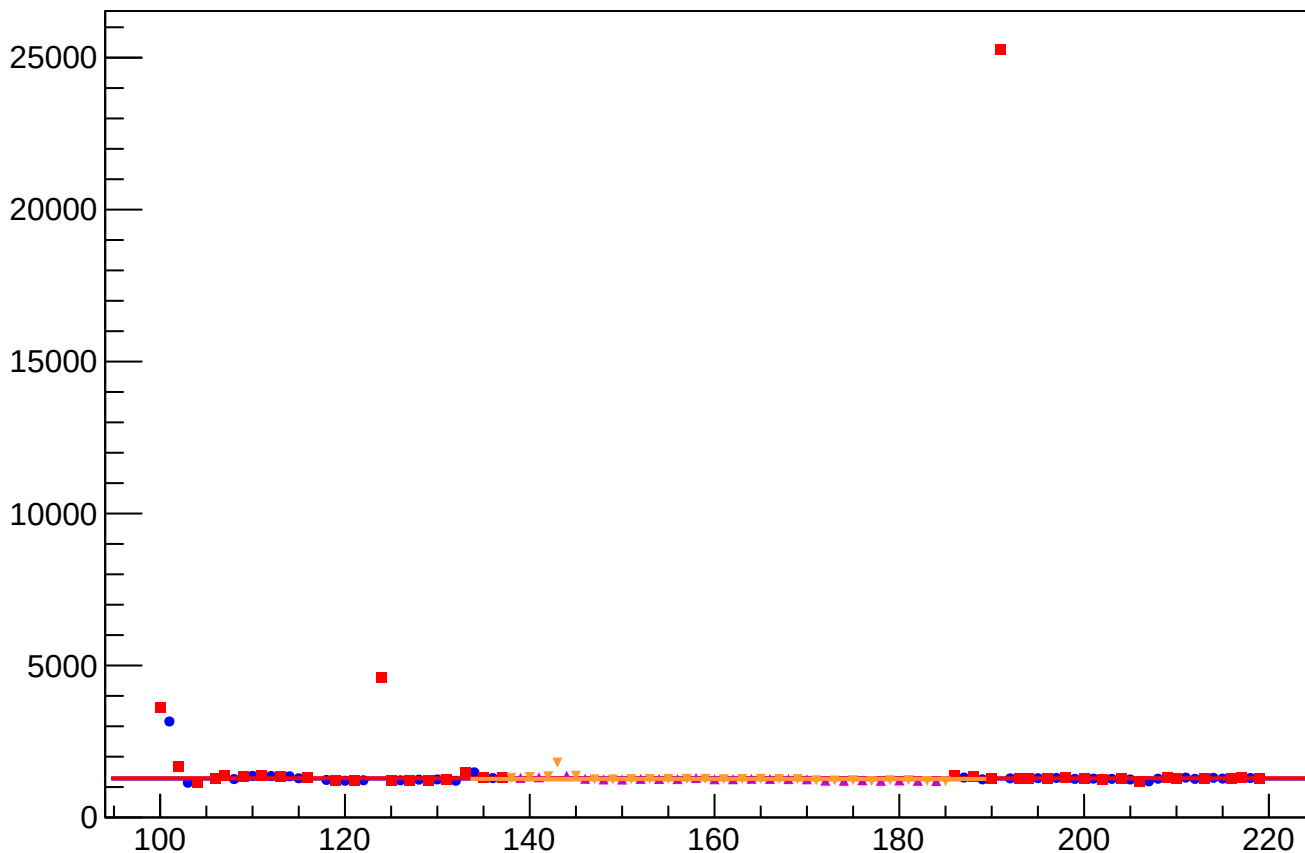
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign -16.725 ± 203.345 χ^2/NDF : 79.2/56

All: 108.483 ± 143.824 χ^2/NDF : 129.8/116

- sign 233.819 ± 203.450 χ^2/NDF : 49.8/59

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1279.520 $\pm$ 0.203 χ^2 /NDF: 530619.5/31

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.161 $\pm$ 0.199 χ^2 /NDF: 490475.5/36

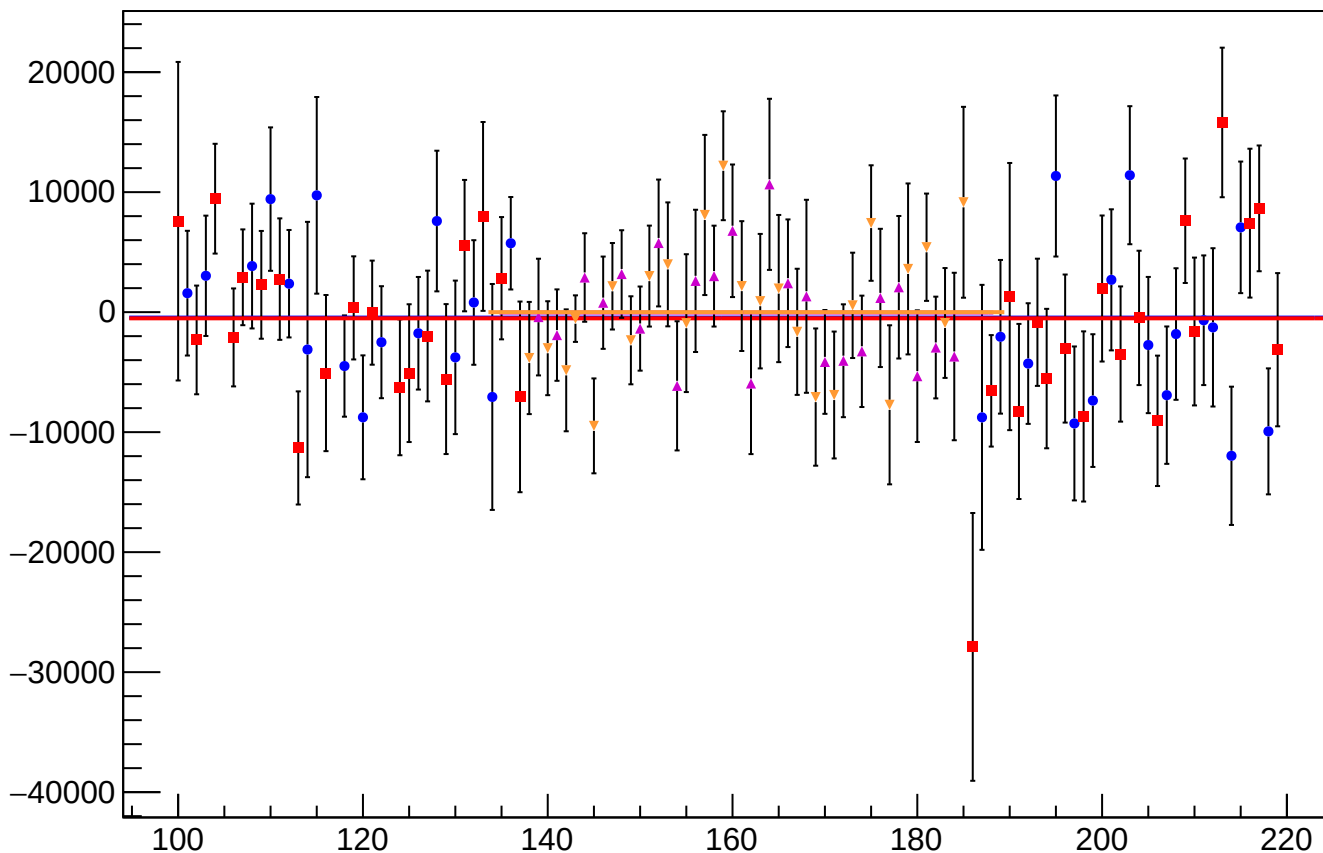
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1273.284 $\pm$ 0.144 χ^2 /NDF: 720070.2/56

All: 1273.647 $\pm$ 0.102 χ^2 /NDF: 1259431.4/11

- sign 1274.010 $\pm$ 0.144 χ^2 /NDF: 539348.4/59

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug



Right In: -453.478+/-984.347 χ^2 /NDF: 38.1/31

Left Out: -0.541+/-886.487 χ^2 /NDF:29.1/24

Right Out: -515.681+/-910.040 χ^2 /NDF: 46.9/36

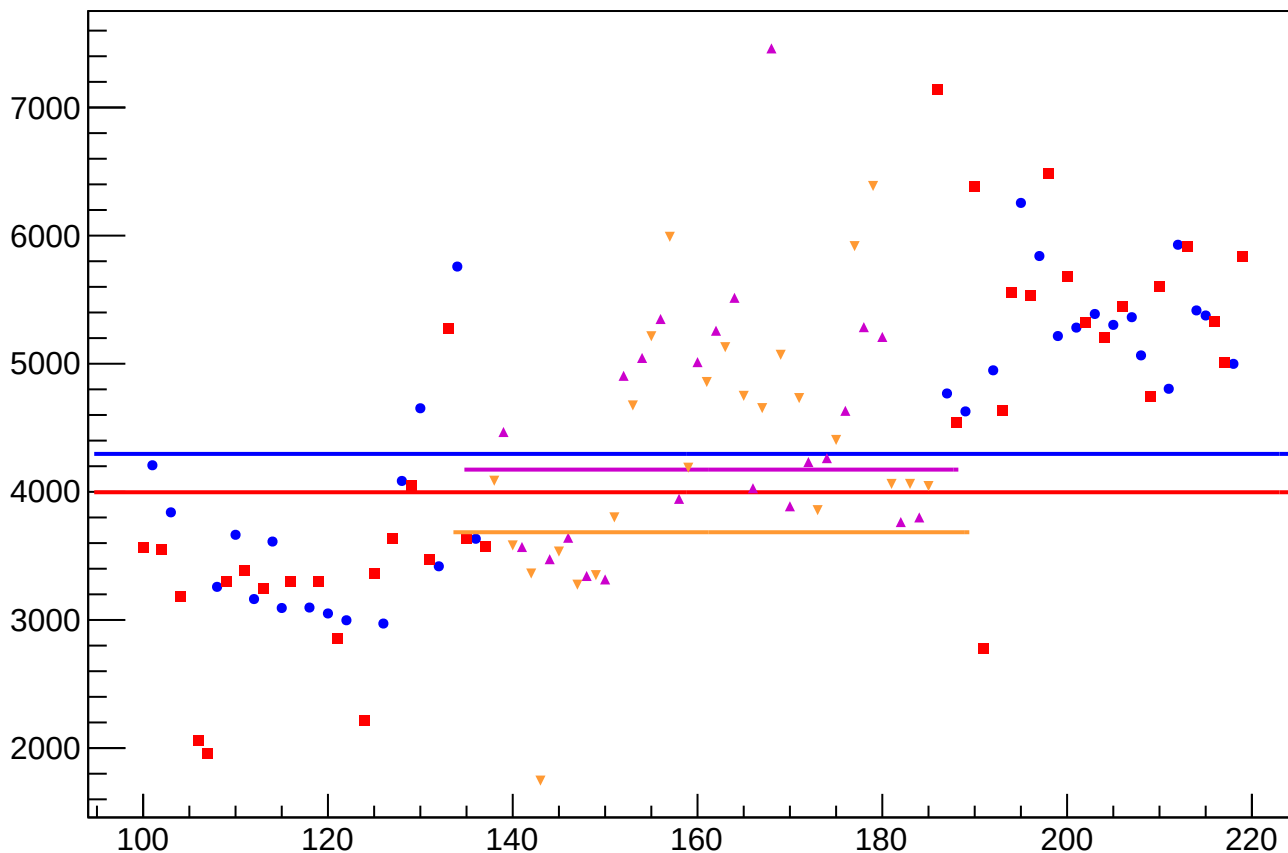
Left In: -31.597+/-995.347 χ^2 /NDF:14.0/22

+ sign -203.382+/-658.729 χ^2 /NDF: 67.2/56

All: -248.434+/-470.288 χ^2 /NDF: 128.3/116

- sign -295.269+/-671.633 χ^2 /NDF: 61.1/59

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 4296.223+/-0.696 χ^2/NDF : 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF : 3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF : 3797224.6/36

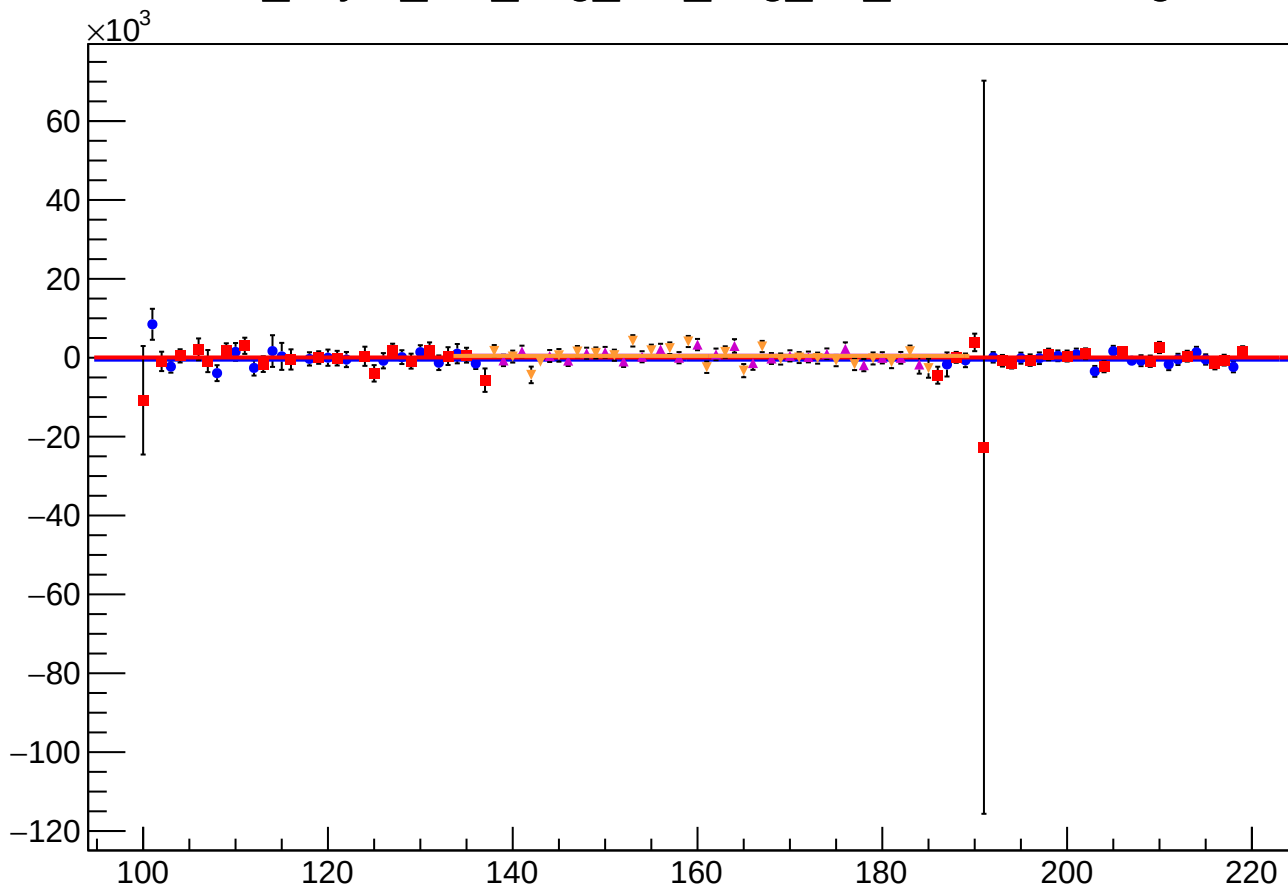
Left In: 4173.550+/-0.704 χ^2/NDF : 1274967.5/22

+ sign 3958.595+/-0.466 χ^2/NDF : 6197559.1/56

All: 4016.805+/-0.333 χ^2/NDF : 11335926.5/100

- sign 4077.317+/-0.475 χ^2/NDF : 5106515.0/59

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -490.252 ± 290.193 χ^2/NDF : 27.5/31

Left Out: 467.929 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 66.239 ± 284.065 χ^2/NDF : 35.1/36

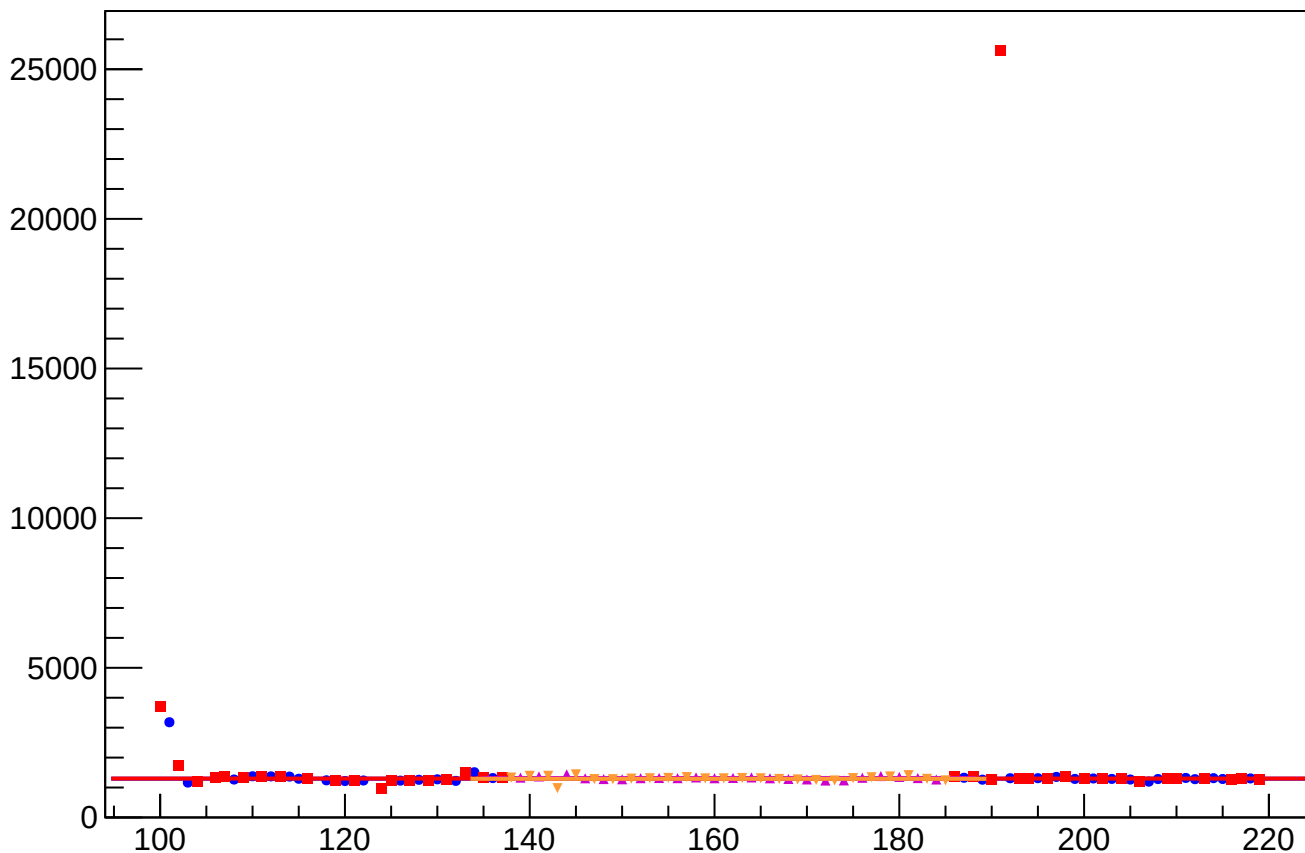
Left In: 503.558 ± 307.055 χ^2/NDF : 17.4/22

+ sign -17.823 ± 206.619 χ^2/NDF : 77.0/56

All: 123.739 ± 146.769 χ^2/NDF : 131.6/116

- sign 267.916 ± 208.519 χ^2/NDF : 53.6/59

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1295.181+/-0.205 χ^2/NDF : 530283.4/31

Left Out: 1291.211+/-0.208 χ^2/NDF : 230735.1/24

Right Out: 1299.547+/-0.201 χ^2/NDF : 379434.2/36

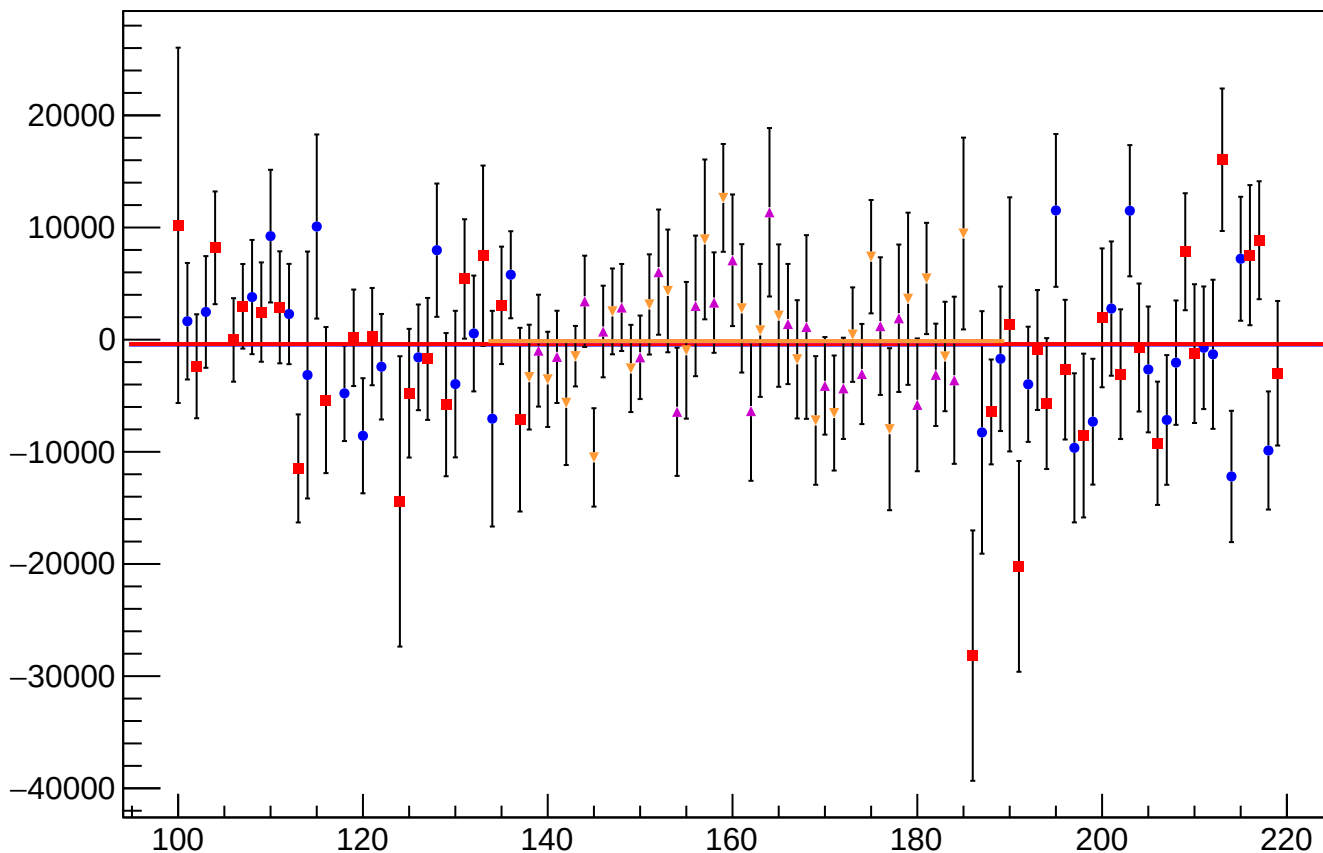
Left In: 1314.006+/-0.217 χ^2/NDF : 43044.7/22

+ sign 1293.224+/-0.146 χ^2/NDF : 761203.2/56

All: 1299.660+/-0.104 χ^2/NDF : 1189988.8/11

- sign 1306.213+/-0.147 χ^2/NDF : 424869.1/59

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug



Right In: -435.912 $\pm$ 990.415 χ^2 /NDF: 37.9/31

Left Out: -127.273 $\pm$ 977.231 χ^2 /NDF: 28.6/24

Right Out: -389.692 $\pm$ 924.704 χ^2 /NDF: 48.5/36

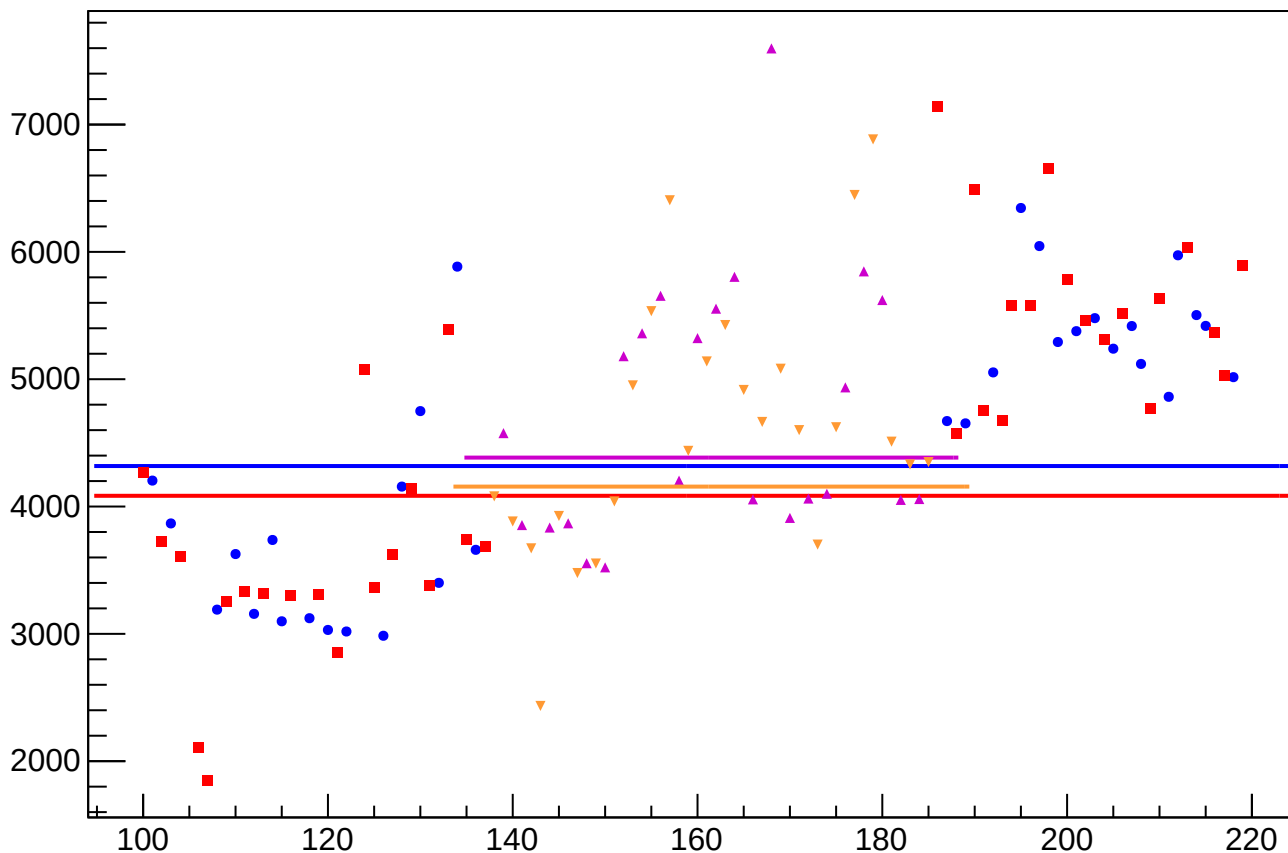
Left In: -159.452 $\pm$ 1045.510 χ^2 /NDF: 13.8/22

+ sign -279.524 $\pm$ 695.621 χ^2 /NDF: 66.5/56

All: -284.100 $\pm$ 490.827 χ^2 /NDF: 128.8/116

- sign -288.637 $\pm$ 692.656 χ^2 /NDF: 62.3/59

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 4318.059 $\pm$ 0.700 χ^2 /NDF: 2178483.2/31

Left Out: 4156.582 $\pm$ 0.691 χ^2 /NDF:2080766.1/24

Right Out: 4084.304 $\pm$ 0.654 χ^2 /NDF: 3814574.7/36

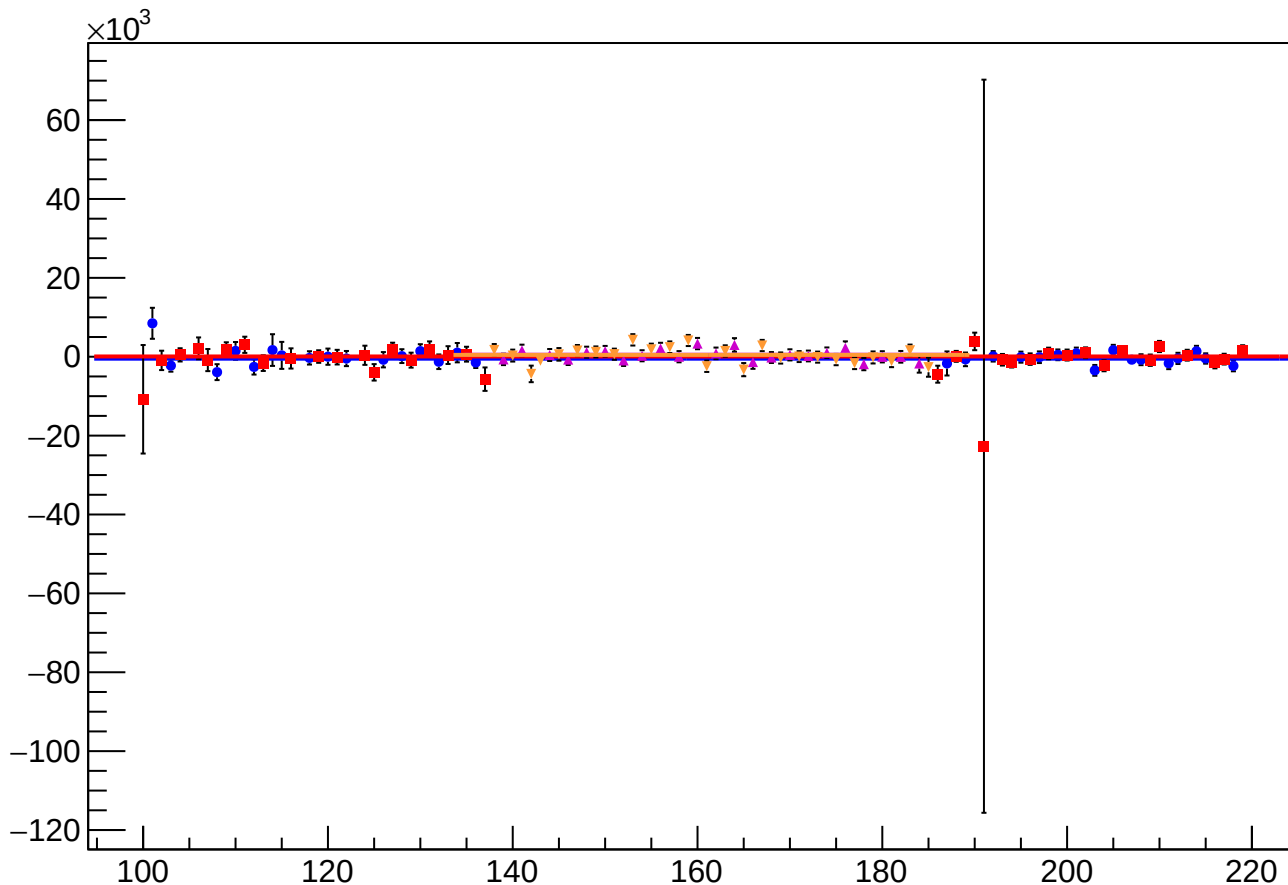
Left In: 4384.323 $\pm$ 0.739 χ^2 /NDF:1255470.8/22

+ sign 4236.239 $\pm$ 0.492 χ^2 /NDF: 4286187.7/56

All: 4226.069 $\pm$ 0.347 χ^2 /NDF: 9449490.4/11

- sign 4215.986 $\pm$ 0.490 χ^2 /NDF: 5162451.5/59

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -490.250 $\pm$ 290.193 χ^2 /NDF: 27.5/31

Left Out: 467.933 $\pm$ 294.257 χ^2 /NDF: 44.1/24

Right Out: 66.240 $\pm$ 284.065 χ^2 /NDF: 35.1/36

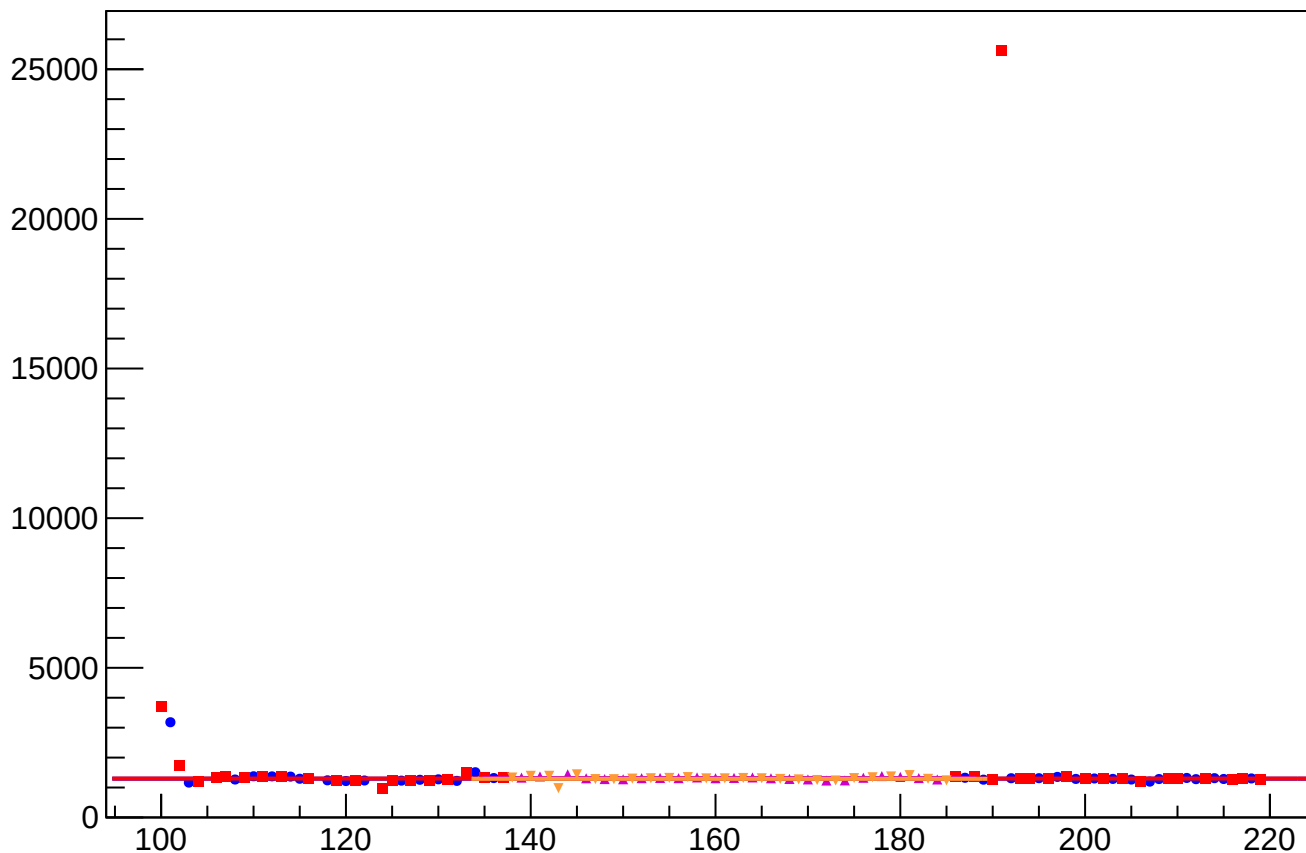
Left In: 503.558 $\pm$ 307.056 χ^2 /NDF: 17.4/22

+ sign -17.821 $\pm$ 206.620 χ^2 /NDF: 77.0/56

All: 123.740 $\pm$ 146.769 χ^2 /NDF: 131.6/116

- sign 267.916 $\pm$ 208.519 χ^2 /NDF: 53.6/59

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1295.181+/-0.205 χ^2/NDF : 530283.5/31

Left Out: 1291.212+/-0.208 χ^2/NDF : 230737.6/24

Right Out: 1299.547+/-0.201 χ^2/NDF : 379434.3/36

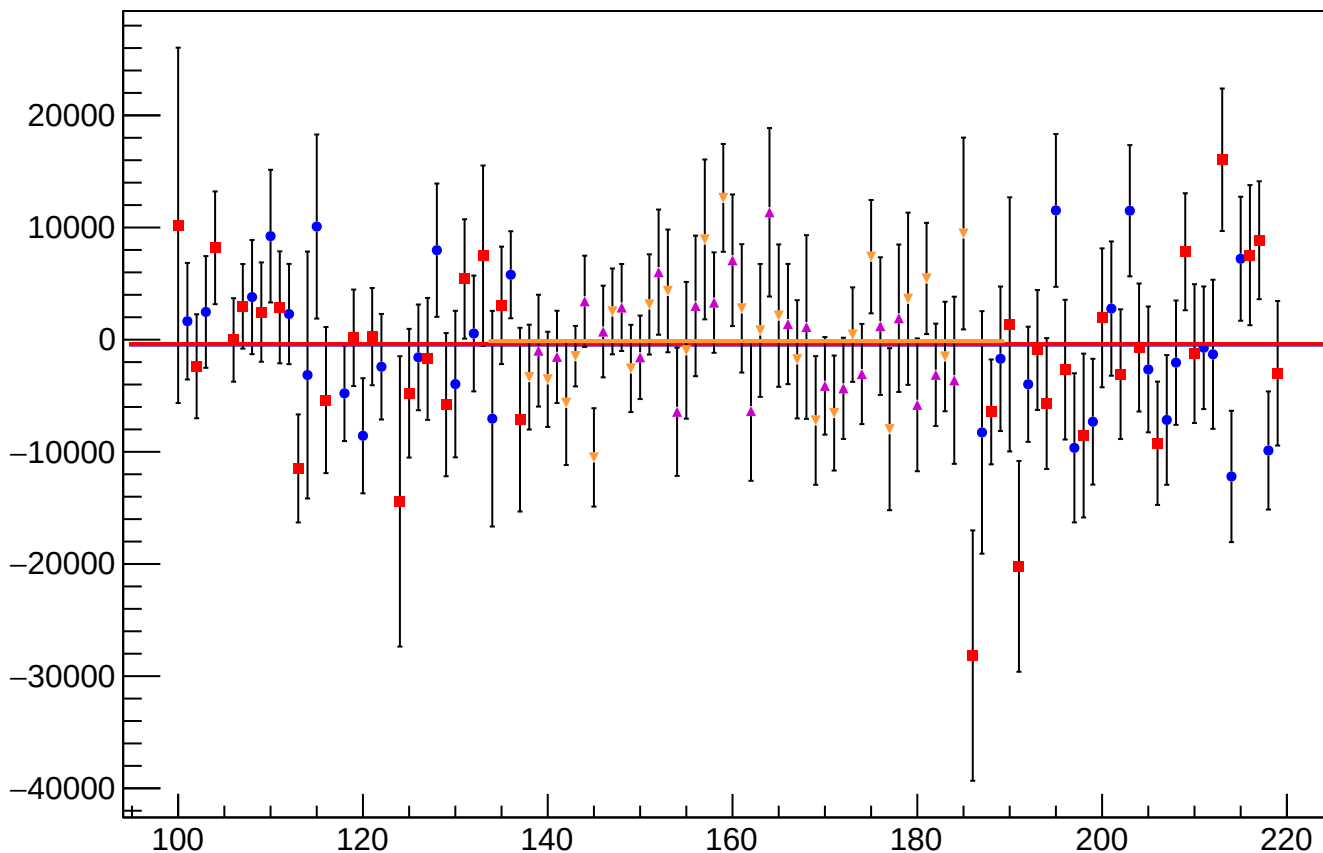
Left In: 1314.007+/-0.217 χ^2/NDF : 43046.8/22

+ sign 1293.224+/-0.146 χ^2/NDF : 761205.6/56

All: 1299.660+/-0.104 χ^2/NDF : 1189993.9/11

- sign 1306.214+/-0.147 χ^2/NDF : 424871.7/59

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug



Right In: -435.914+/-990.415 χ^2 /NDF: 37.9/31

Left Out: -127.271+/-977.232 χ^2 /NDF: 28.6/24

Right Out: -389.687+/-924.703 χ^2 /NDF: 48.5/36

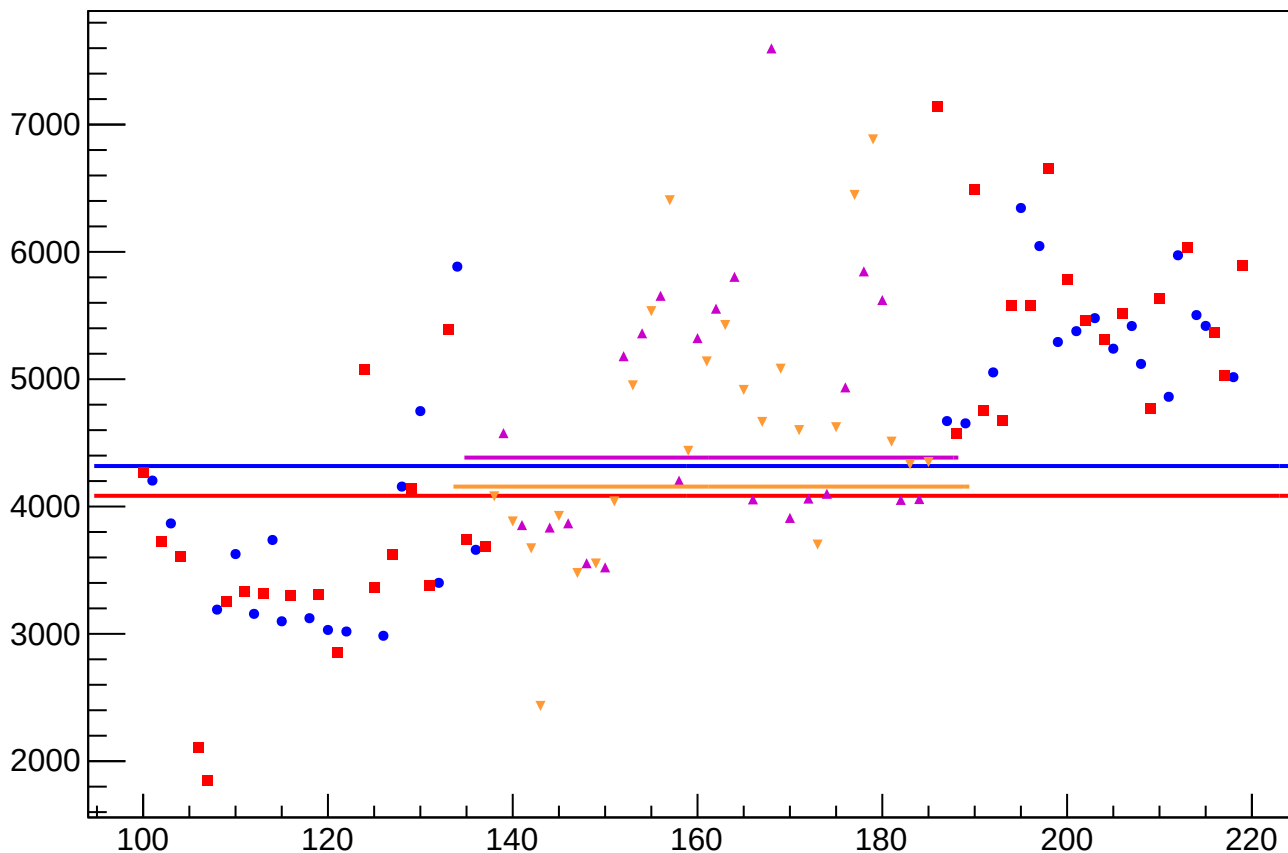
Left In: -159.454+/-1045.511 χ^2 /NDF: 13.8/22

+ sign -279.525+/-695.621 χ^2 /NDF: 66.5/56

All: -284.099+/-490.827 χ^2 /NDF: 128.8/116

- sign -288.635+/-692.656 χ^2 /NDF: 62.3/59

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 4318.055+/-0.700 χ^2/NDF : 2178522.1/31

Left Out: 4156.588+/-0.691 χ^2/NDF : 2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF : 3814613.1/36

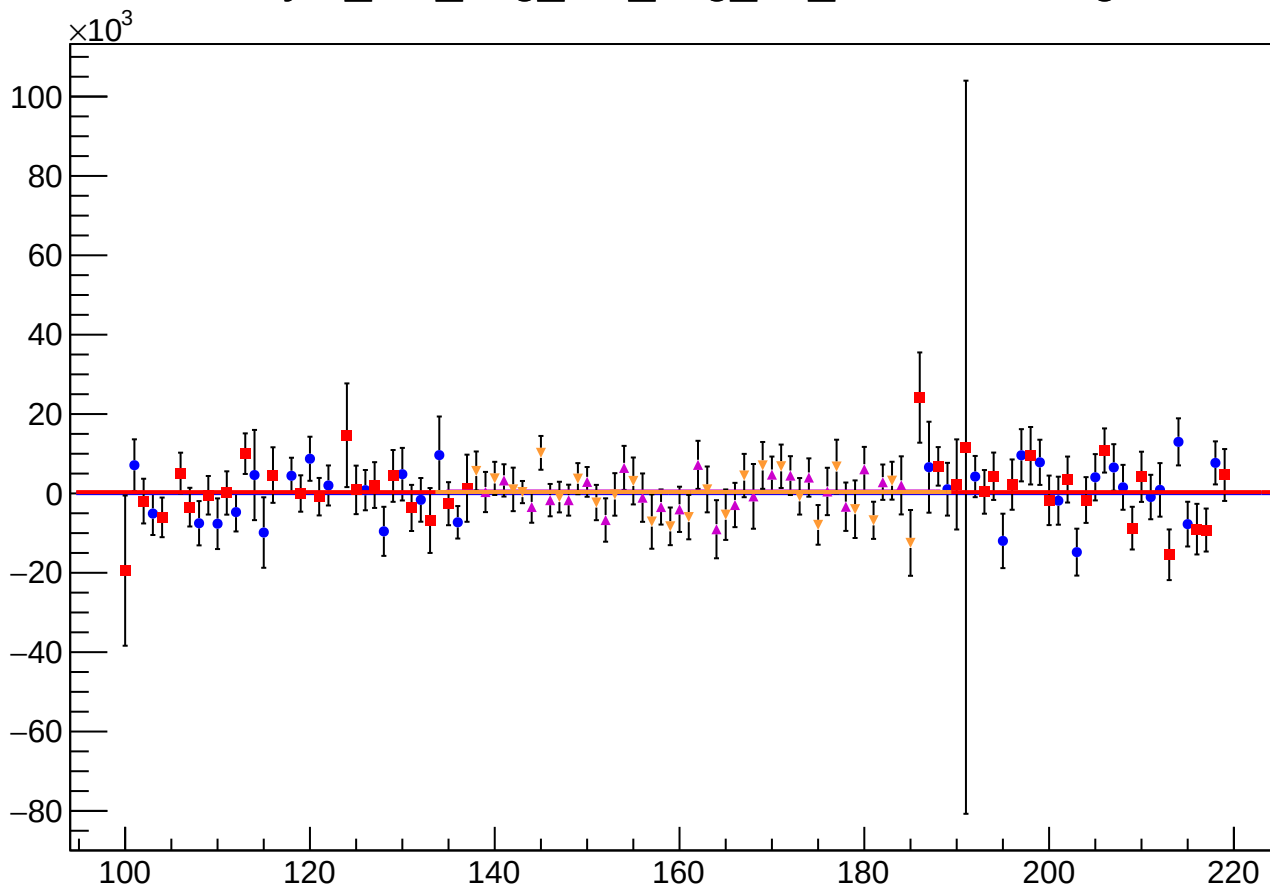
Left In: 4384.329+/-0.739 χ^2/NDF : 1255475.0/22

+ sign 4236.240+/-0.492 χ^2/NDF : 4286225.8/56

All: 4226.069+/-0.347 χ^2/NDF : 9449578.8/11

- sign 4215.986+/-0.490 χ^2/NDF : 5162501.6/59

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: 70.199 ± 1040.368 $\chi^2/\text{NDF}: 43.4/31$

Left Out: 362.528 ± 979.860 $\chi^2/\text{NDF}: 27.7/24$

Right Out: 330.825 ± 996.314 $\chi^2/\text{NDF}: 39.1/36$

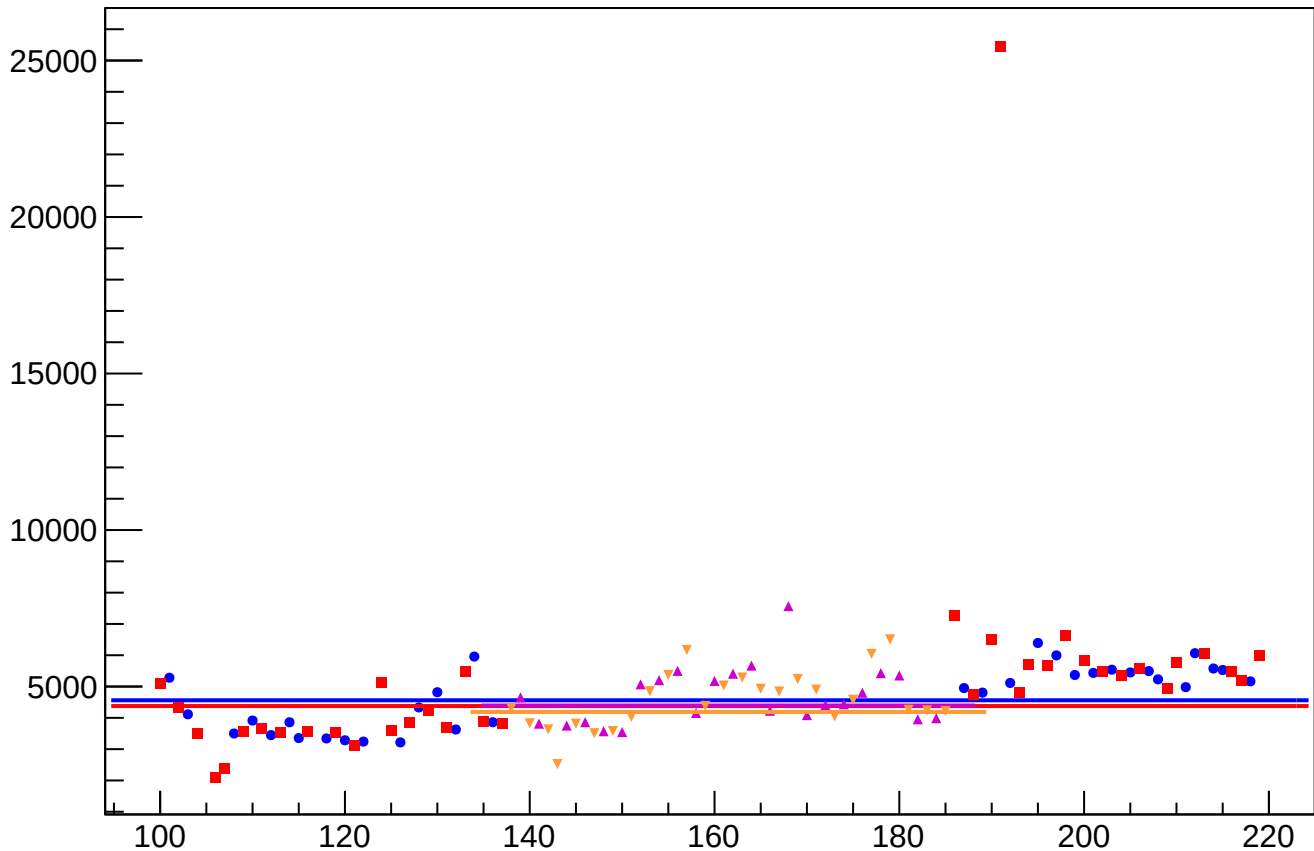
Left In: 497.522 ± 1044.707 $\chi^2/\text{NDF}: 13.9/22$

+ sign 225.111 ± 713.298 $\chi^2/\text{NDF}: 71.1/56$

All: 316.673 ± 507.080 $\chi^2/\text{NDF}: 124.2/116$

- sign 410.223 ± 721.002 $\chi^2/\text{NDF}: 53.0/59$

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4561.241+/-0.736 χ^2/NDF : 1749932.7/31

Left Out: 4187.848+/-0.693 χ^2/NDF : 1796345.9/24

Right Out: 4376.780+/-0.699 χ^2/NDF : 3014582.8/36

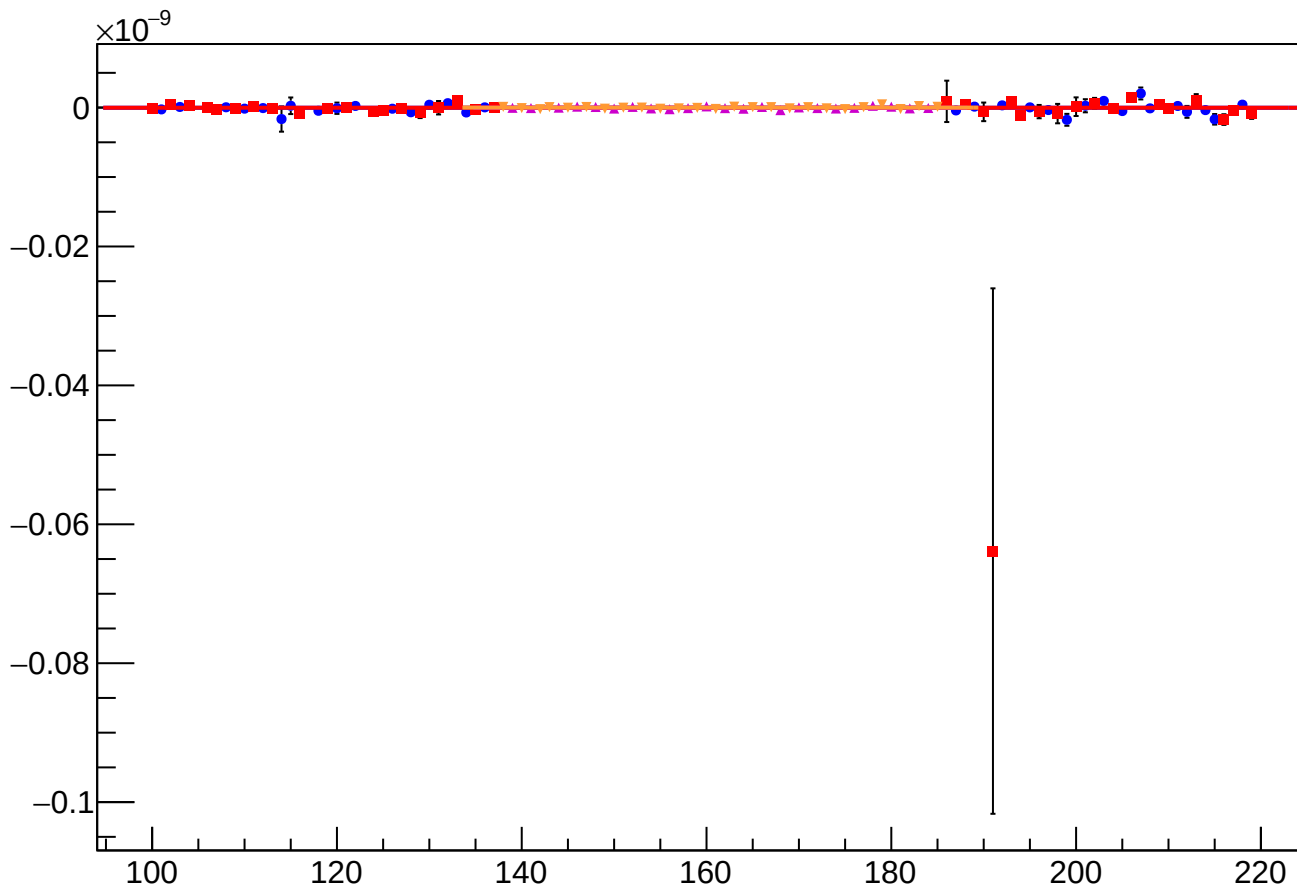
Left In: 4394.324+/-0.739 χ^2/NDF : 1088394.9/22

+ sign 4363.372+/-0.504 χ^2/NDF : 3682801.1/56

All: 4374.148+/-0.358 χ^2/NDF : 7786995.4/11

- sign 4385.069+/-0.508 χ^2/NDF : 4103275.3/59

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 40.8/31

Left Out: -0.000+/-0.000 χ^2 /NDF:30.5/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 41.4/36

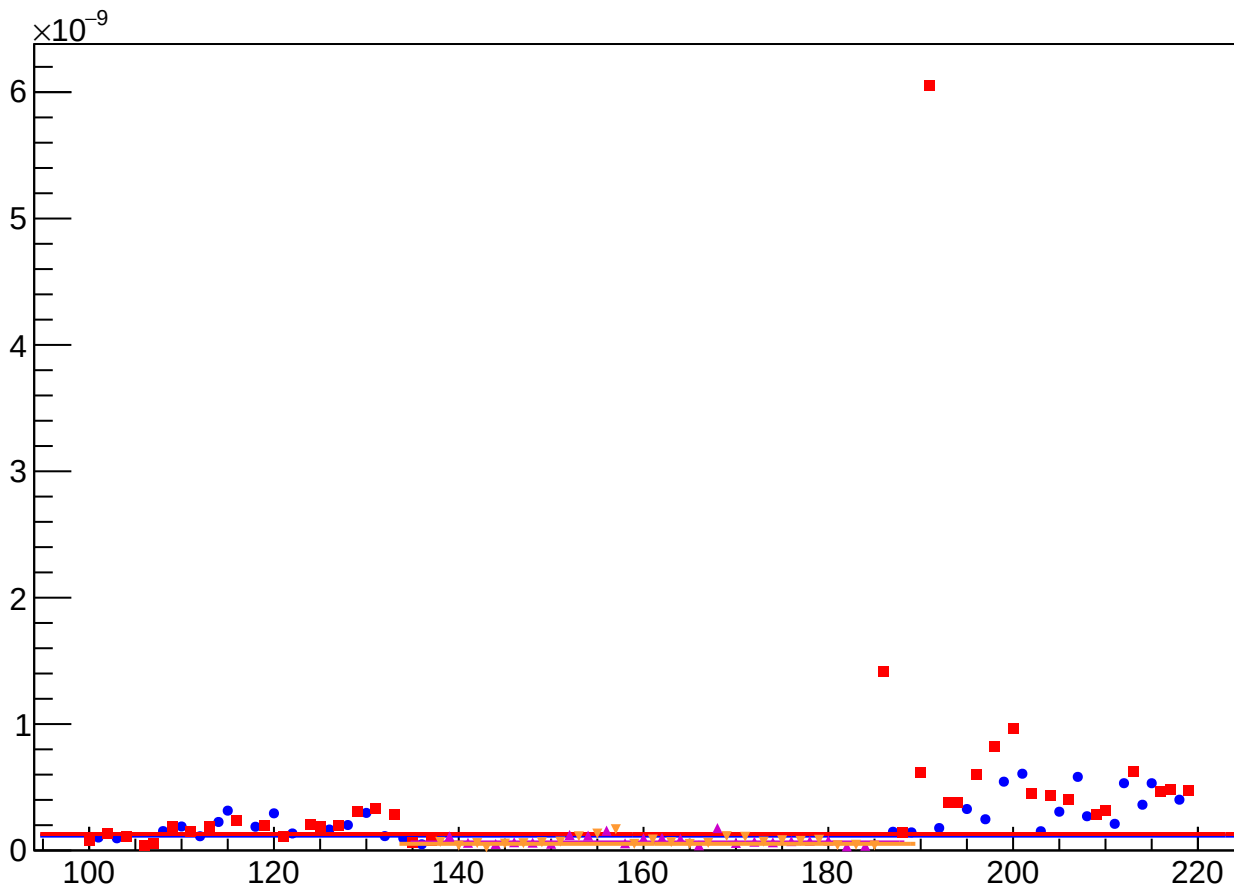
Left In: -0.000+/-0.000 χ^2 /NDF:17.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 71.5/56

All: -0.000+/-0.000 χ^2 /NDF: 130.1/116

- sign -0.000+/-0.000 χ^2 /NDF: 58.4/59

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6269298.8/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8717055.0/36

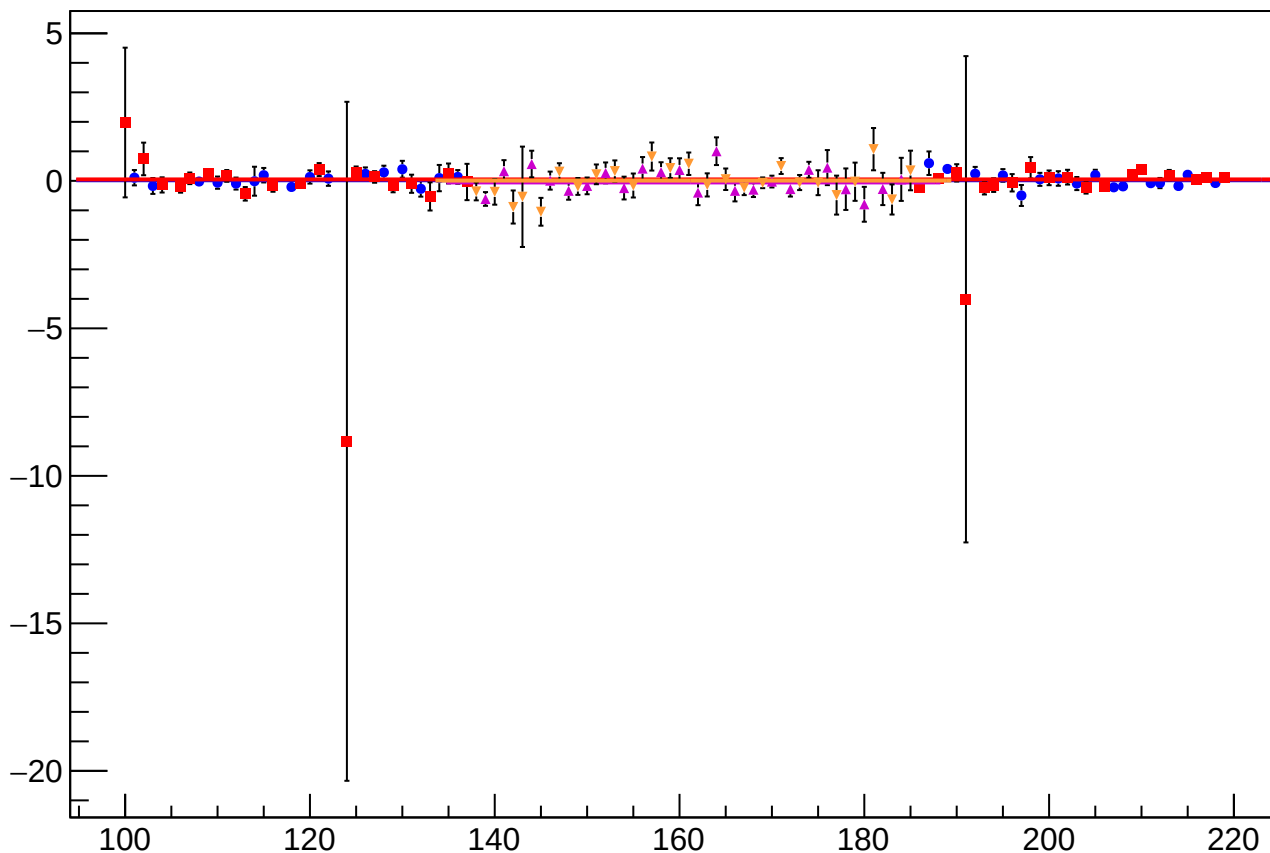
Left In: 0.000+/-0.000 χ^2/NDF : 1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 11348193.4/56

All: 0.000+/-0.000 χ^2/NDF : 24293486.6/116

- sign 0.000+/-0.000 χ^2/NDF : 12634307.7/59

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.021 ± 0.035 χ^2/NDF : 31.8/31

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.048 ± 0.032 χ^2/NDF : 41.6/36

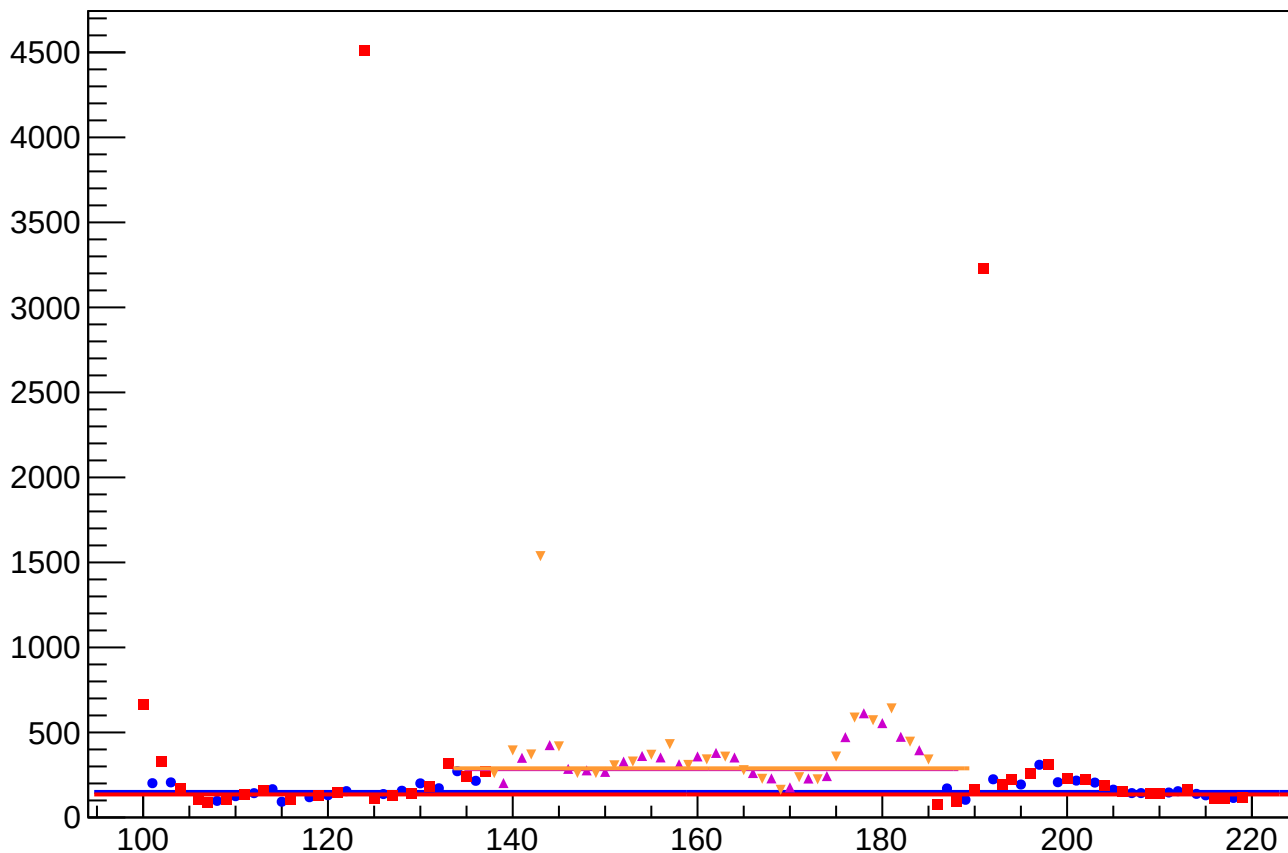
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.018 ± 0.032 χ^2/NDF : 60.7/56

All: 0.025 ± 0.021 χ^2/NDF : 131.8/116

- sign 0.030 ± 0.029 χ^2/NDF : 71.0/59

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 150.054+/-0.025 χ^2/NDF : 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF : 4934682.1/36

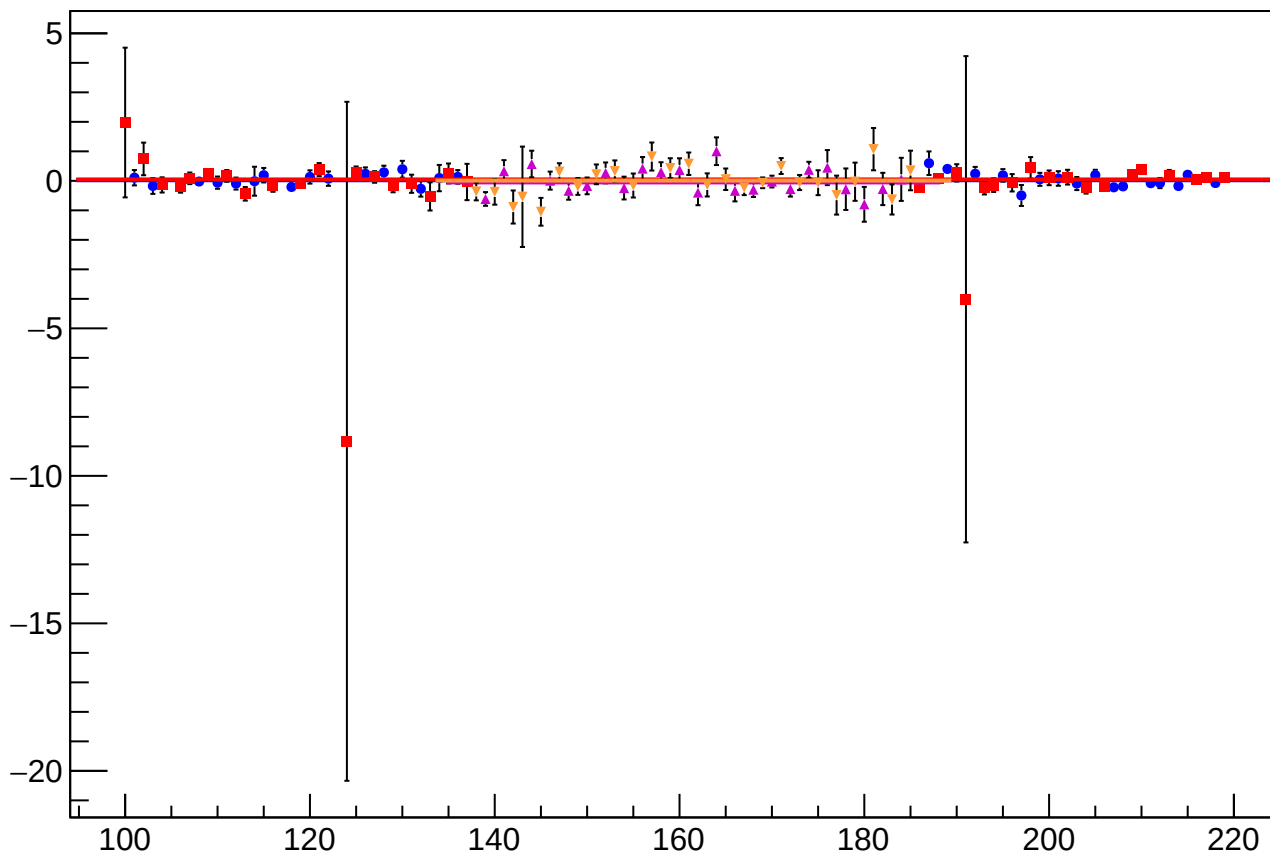
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 177.478+/-0.022 χ^2/NDF : 13318617.6/56

All: 168.587+/-0.015 χ^2/NDF : 29022789.5/1

- sign 160.971+/-0.021 χ^2/NDF : 15409459.6/59

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021 ± 0.035 χ^2/NDF : 31.8/31

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.048 ± 0.032 χ^2/NDF : 41.6/36

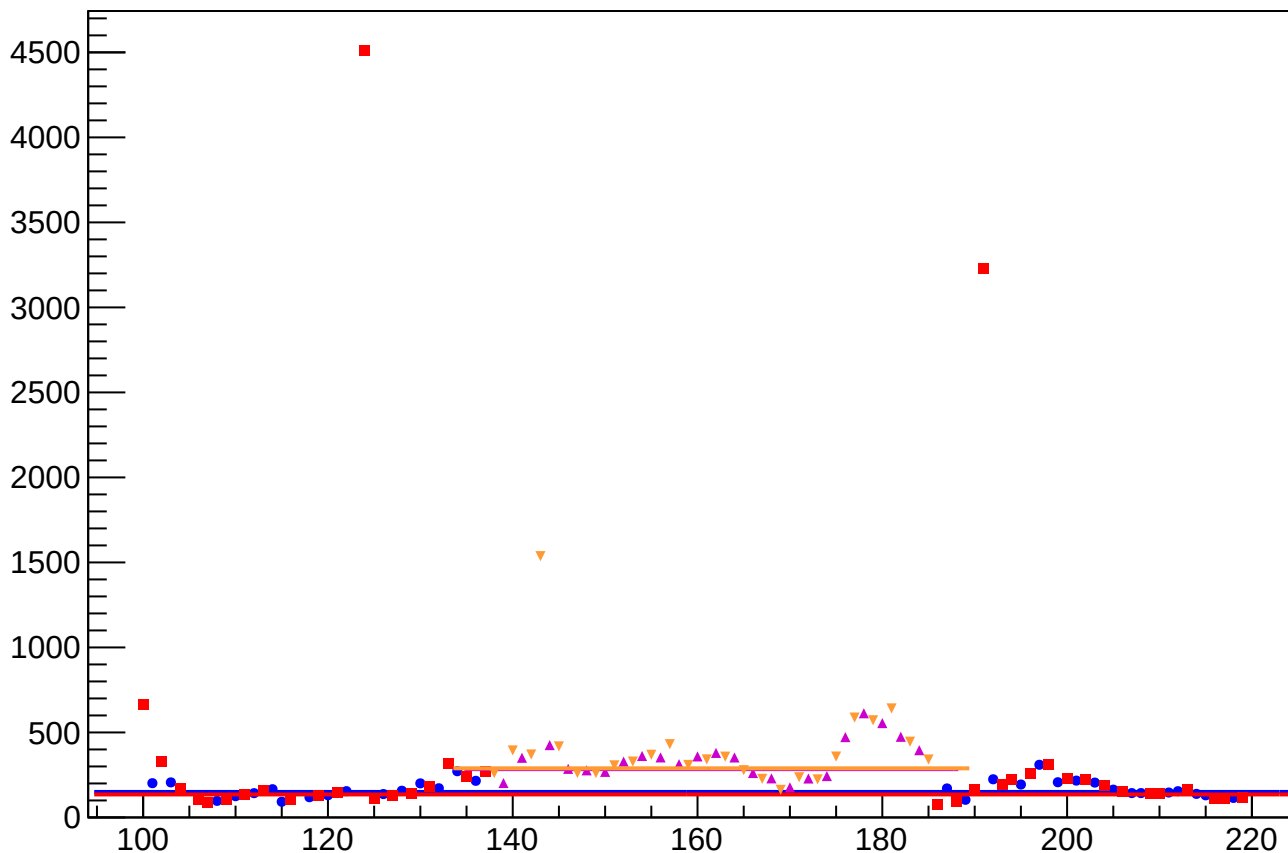
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.018 ± 0.032 χ^2/NDF : 60.7/56

All: 0.025 ± 0.021 χ^2/NDF : 131.8/116

- sign 0.030 ± 0.029 χ^2/NDF : 71.0/59

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 150.054+/-0.025 χ^2/NDF : 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF : 4934682.1/36

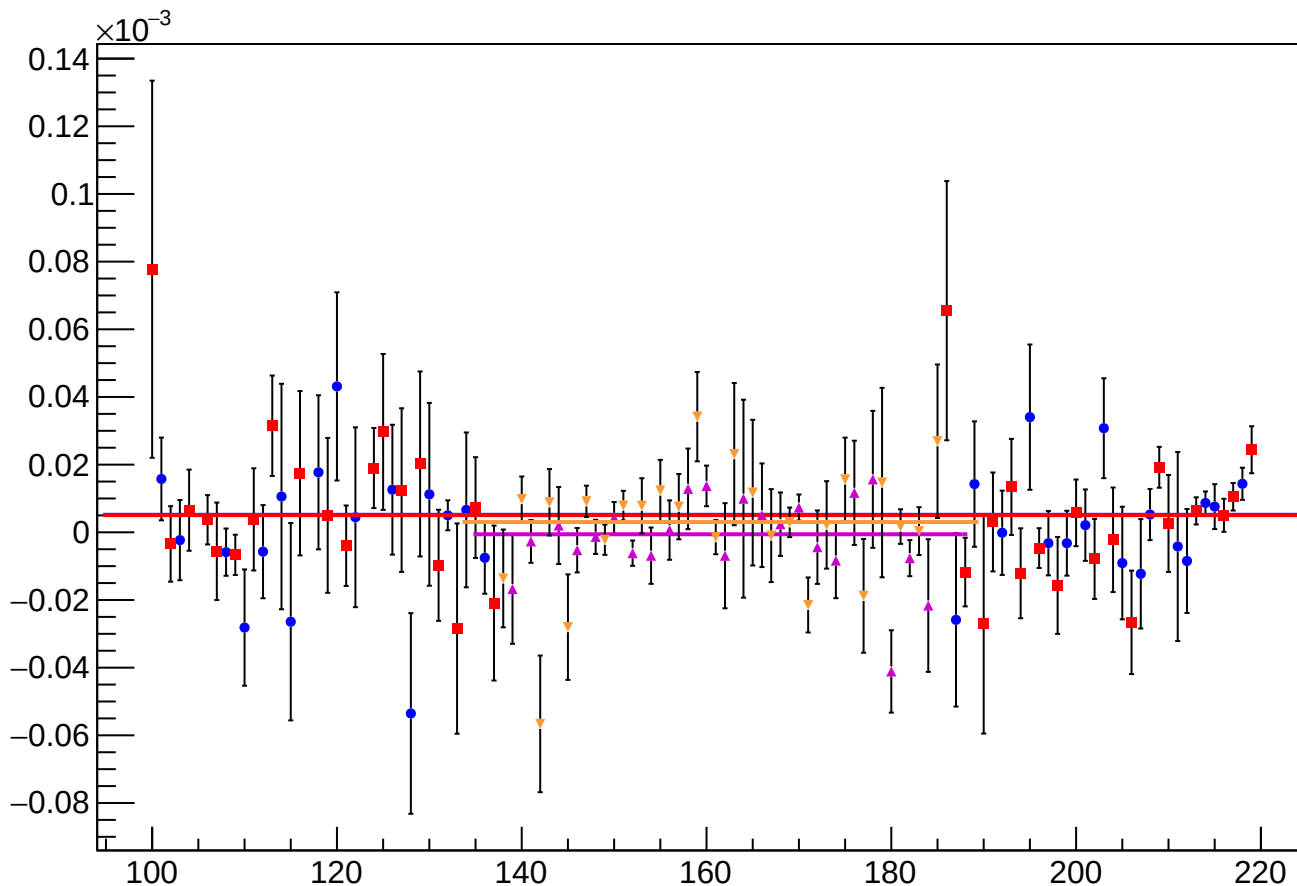
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 177.478+/-0.022 χ^2/NDF : 13318617.6/56

All: 168.587+/-0.015 χ^2/NDF : 29022789.5/1

- sign 160.971+/-0.021 χ^2/NDF : 15409459.6/59

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug

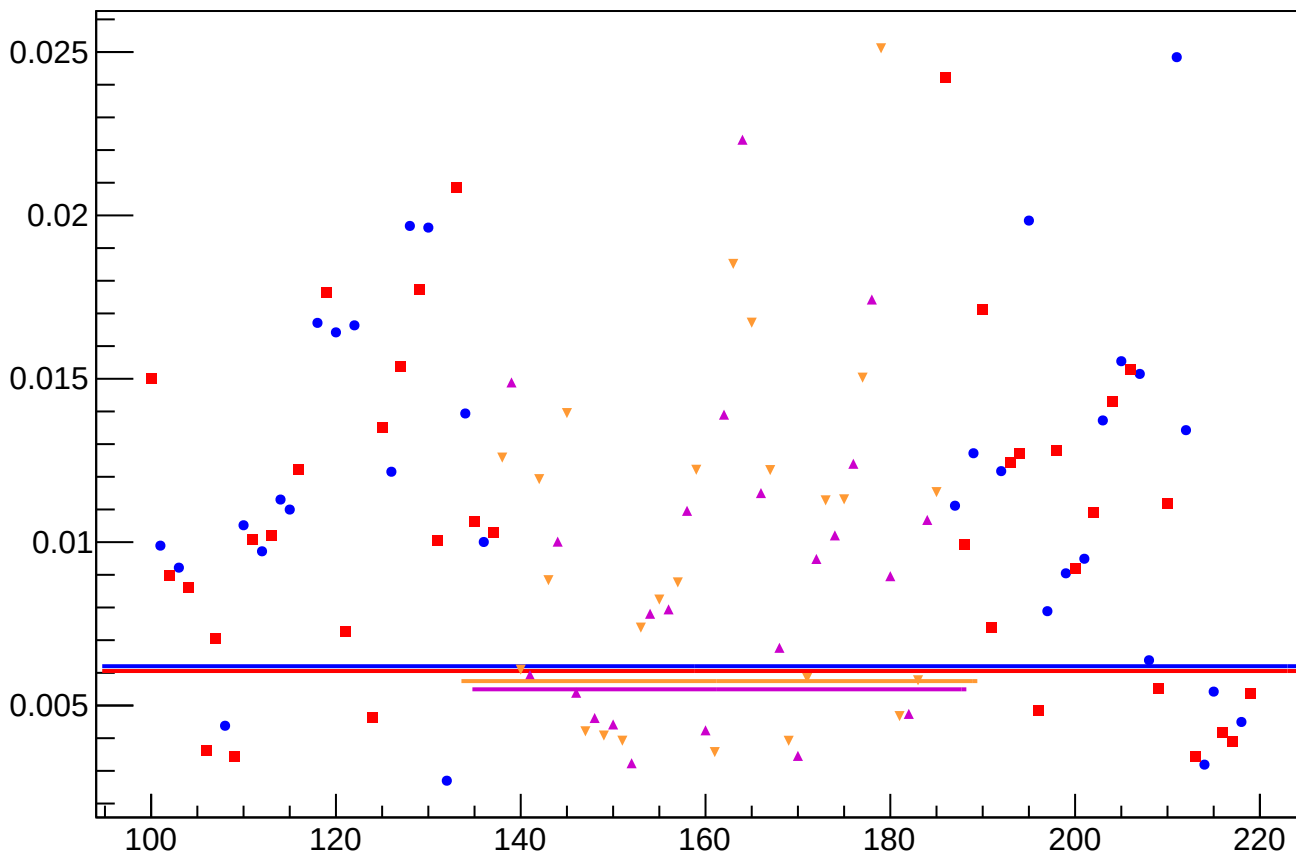


+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 76.1/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 168.4/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 90.9/59

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 11616529.9/31

Left Out: 0.006+/-0.000 χ^2/NDF : 8128513.8/24

Right Out: 0.006+/-0.000 χ^2/NDF : 9867807.7/36

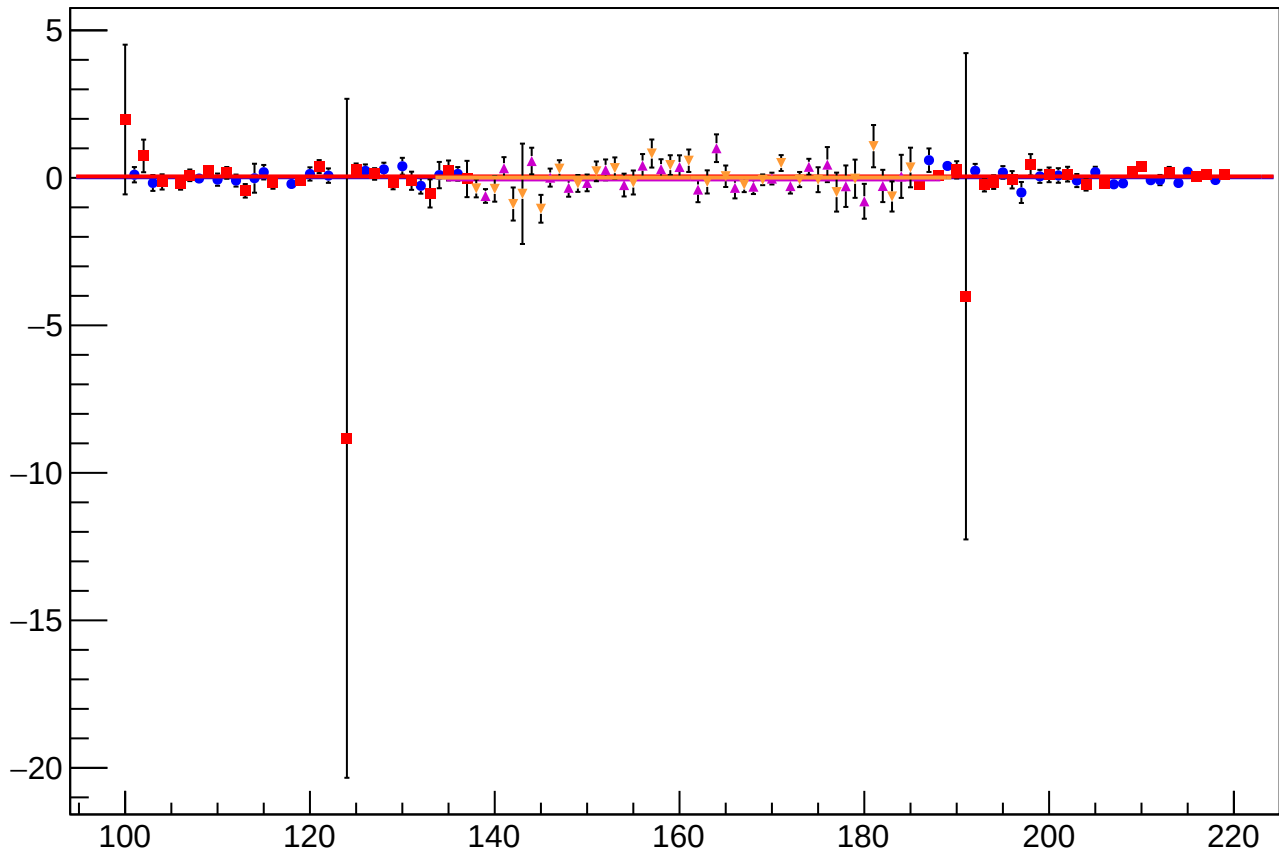
Left In: 0.005+/-0.000 χ^2/NDF : 6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF : 19825129.1/56

All: 0.006+/-0.000 χ^2/NDF : 36790283.9/116

- sign 0.006+/-0.000 χ^2/NDF : 16938126.0/59

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.021 $\pm$ 0.035 χ^2 /NDF: 31.8/31

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.048 $\pm$ 0.032 χ^2 /NDF: 41.6/36

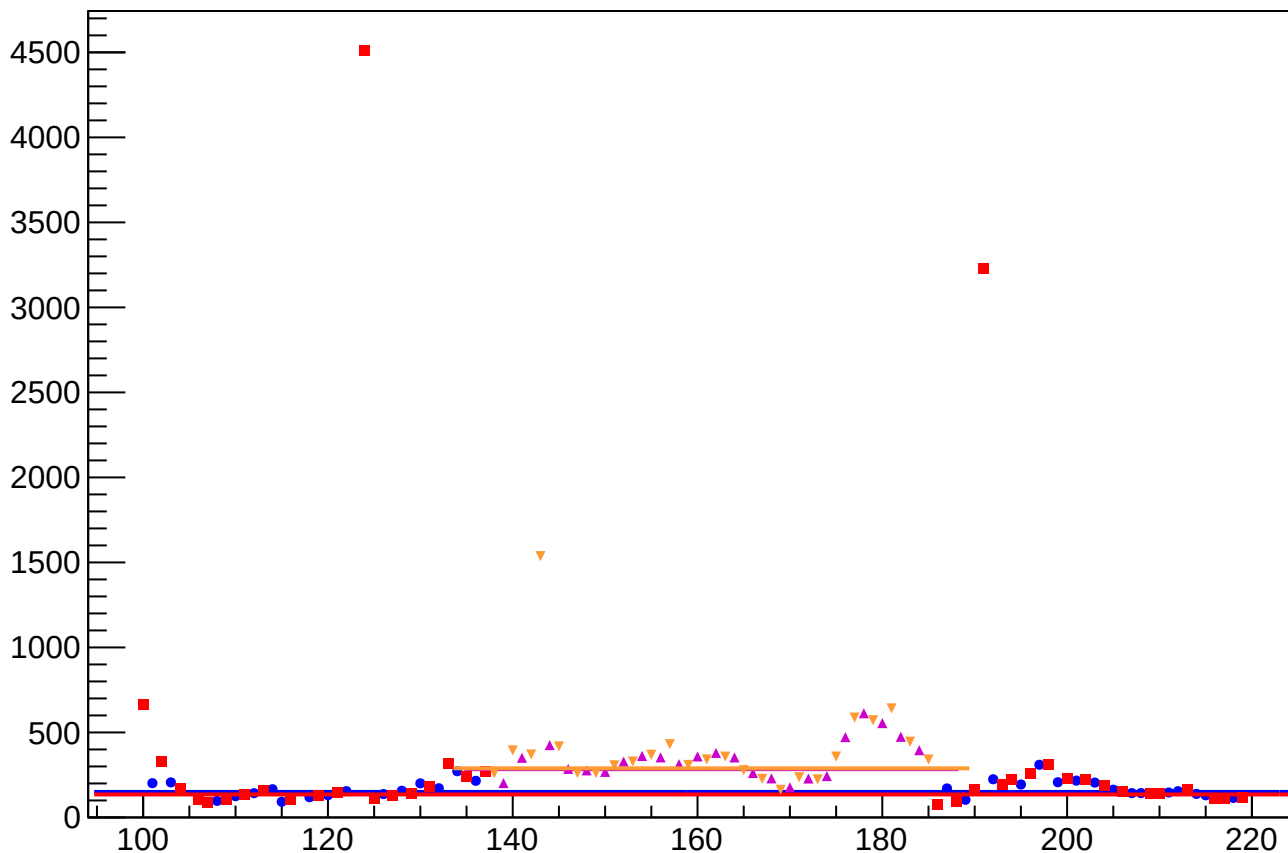
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.018 $\pm$ 0.032 χ^2 /NDF: 60.7/56

All: 0.025 $\pm$ 0.021 χ^2 /NDF: 131.8/116

- sign 0.030 $\pm$ 0.029 χ^2 /NDF: 71.0/59

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 150.055+/-0.025 χ^2/NDF : 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF : 4934505.2/36

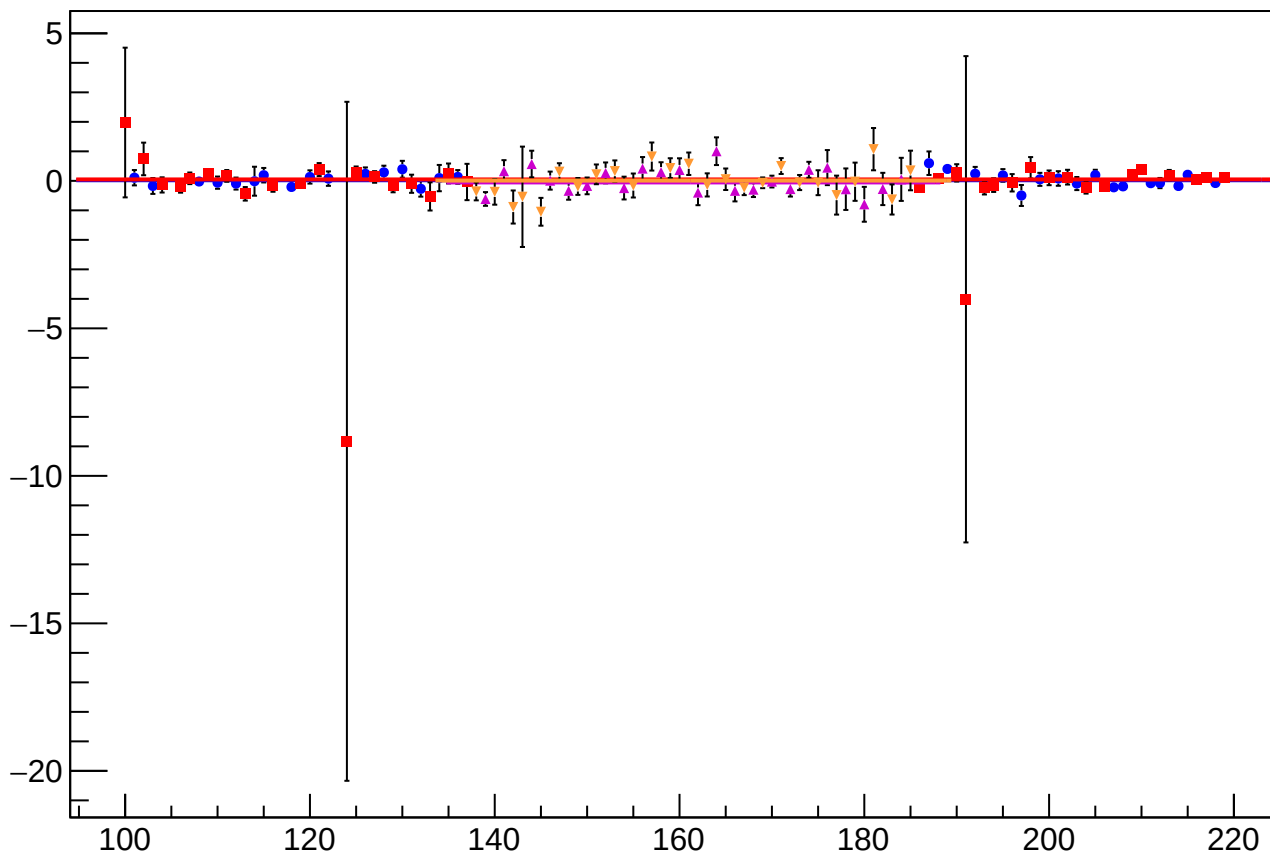
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 177.479+/-0.022 χ^2/NDF : 13318720.8/56

All: 168.589+/-0.015 χ^2/NDF : 29022619.8/1

- sign 160.973+/-0.021 χ^2/NDF : 15409243.8/59

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021 ± 0.035 χ^2/NDF : 31.8/31

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.048 ± 0.032 χ^2/NDF : 41.6/36

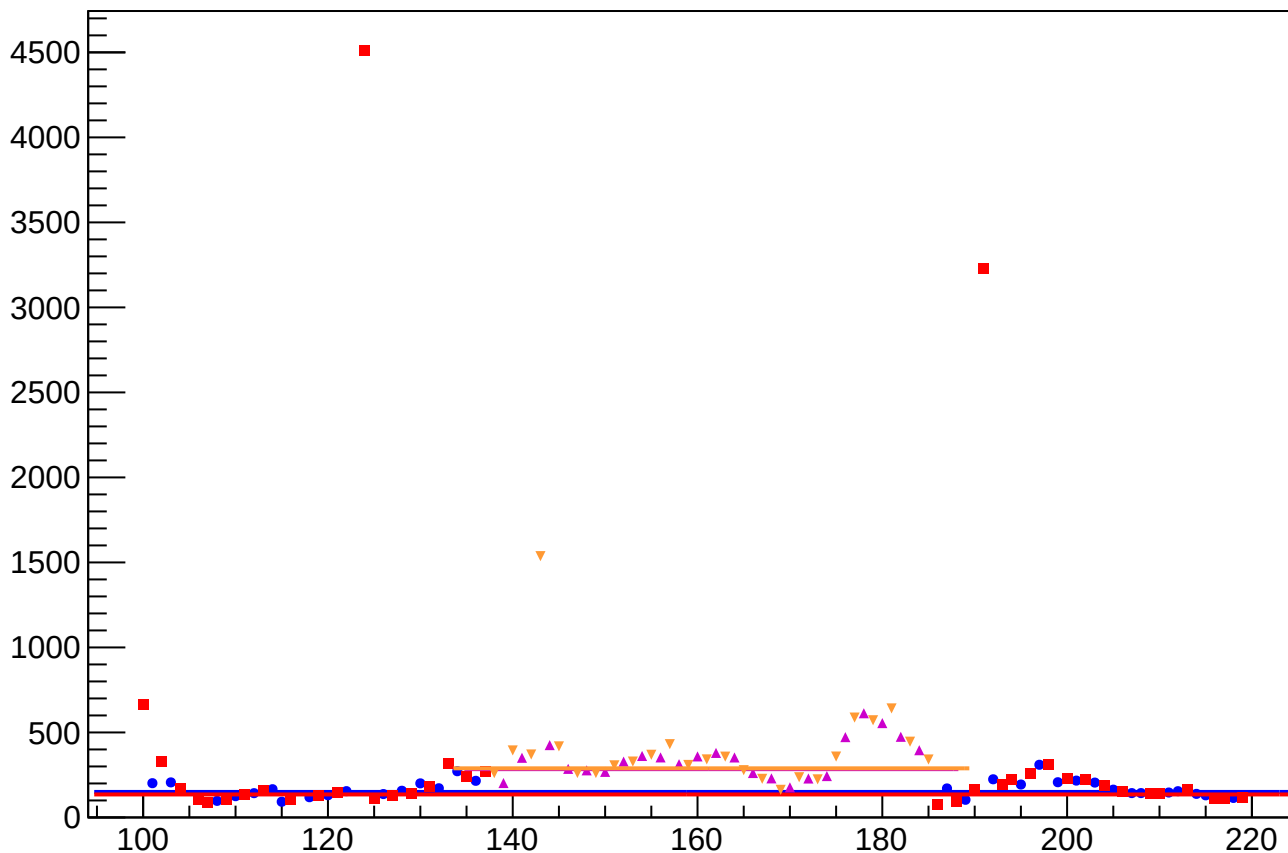
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.018 ± 0.032 χ^2/NDF : 60.7/56

All: 0.025 ± 0.021 χ^2/NDF : 131.8/116

- sign 0.030 ± 0.029 χ^2/NDF : 71.0/59

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 150.055+/-0.025 χ^2/NDF : 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF : 4934505.2/36

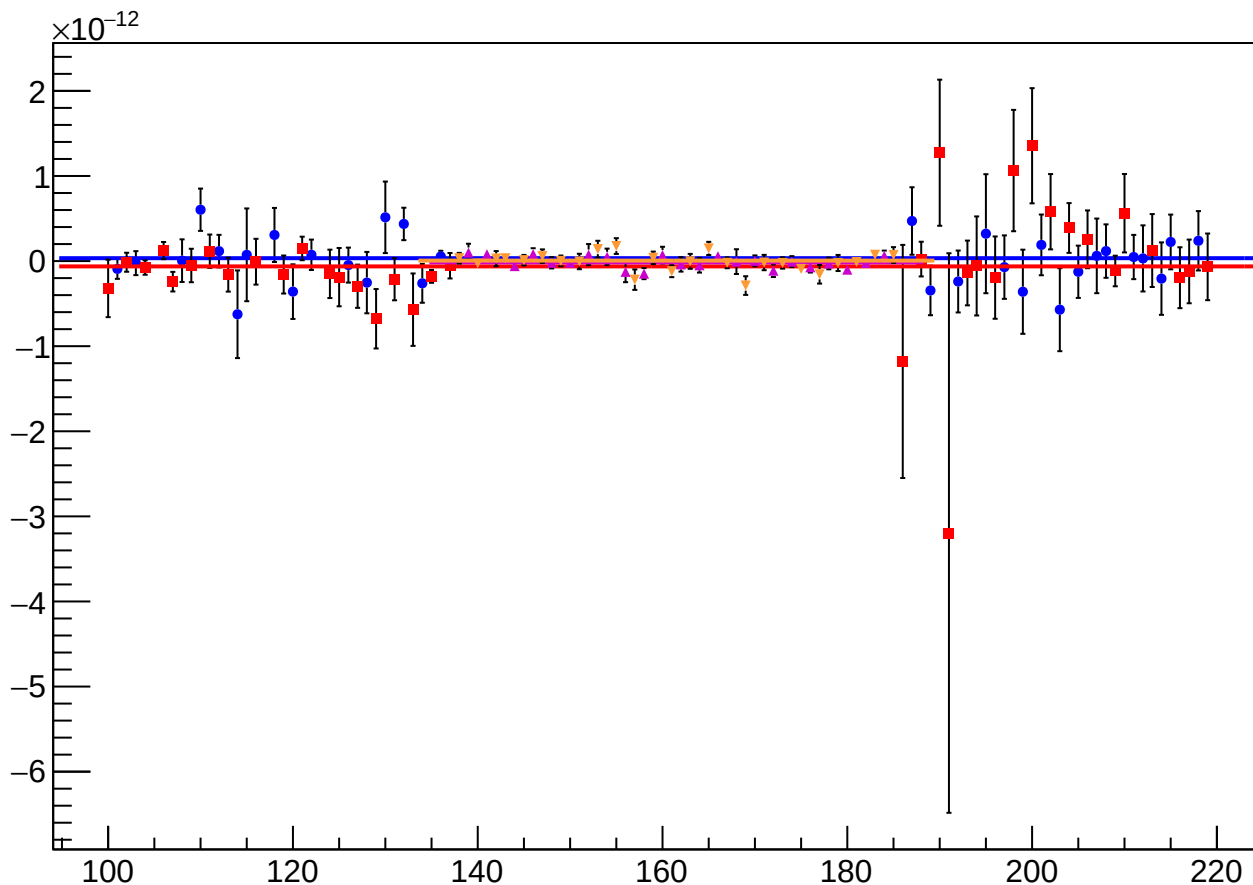
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 177.479+/-0.022 χ^2/NDF : 13318720.8/56

All: 168.589+/-0.015 χ^2/NDF : 29022619.8/1

- sign 160.973+/-0.021 χ^2/NDF : 15409243.8/59

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.5/36

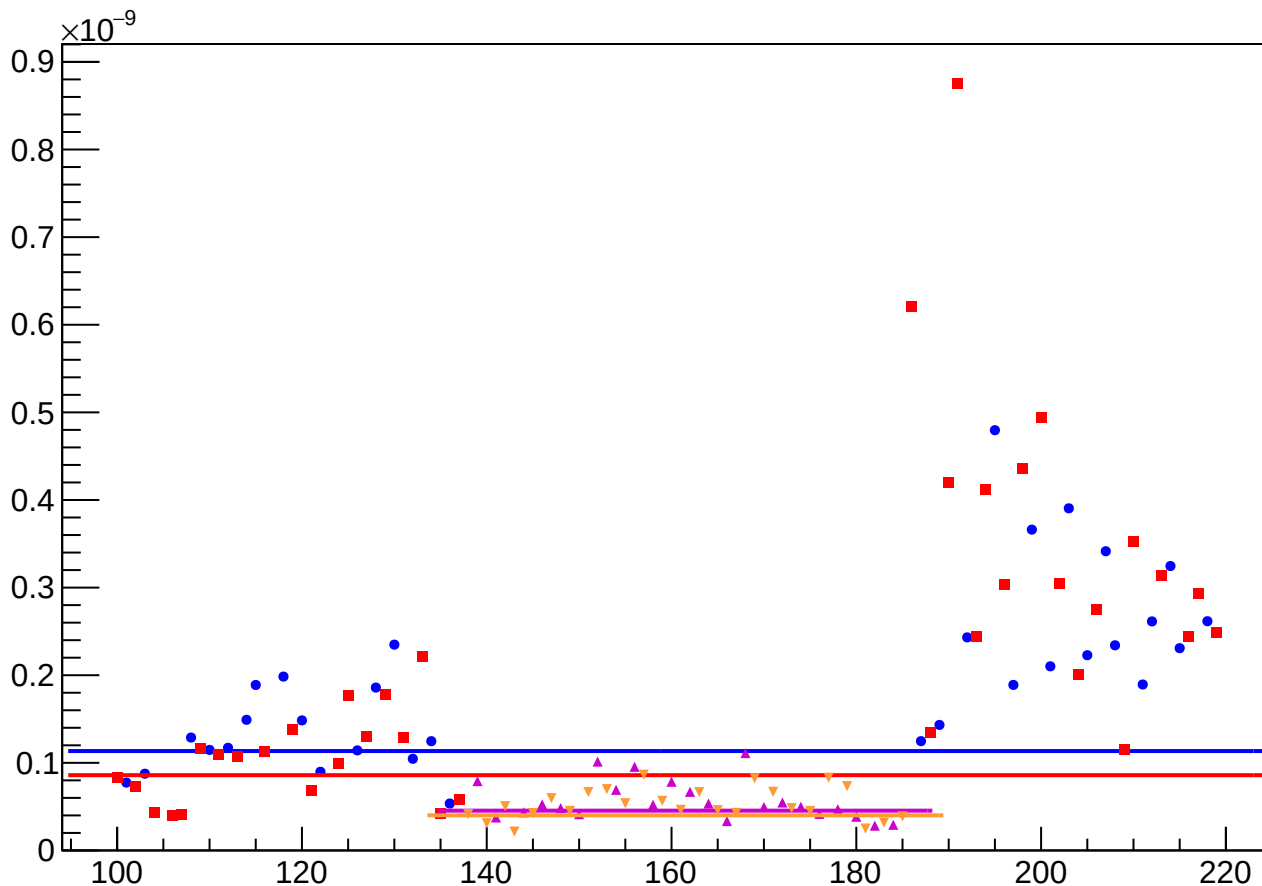
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:23.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.1/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 126.8/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.6/59

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7264038.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10373466.1/36

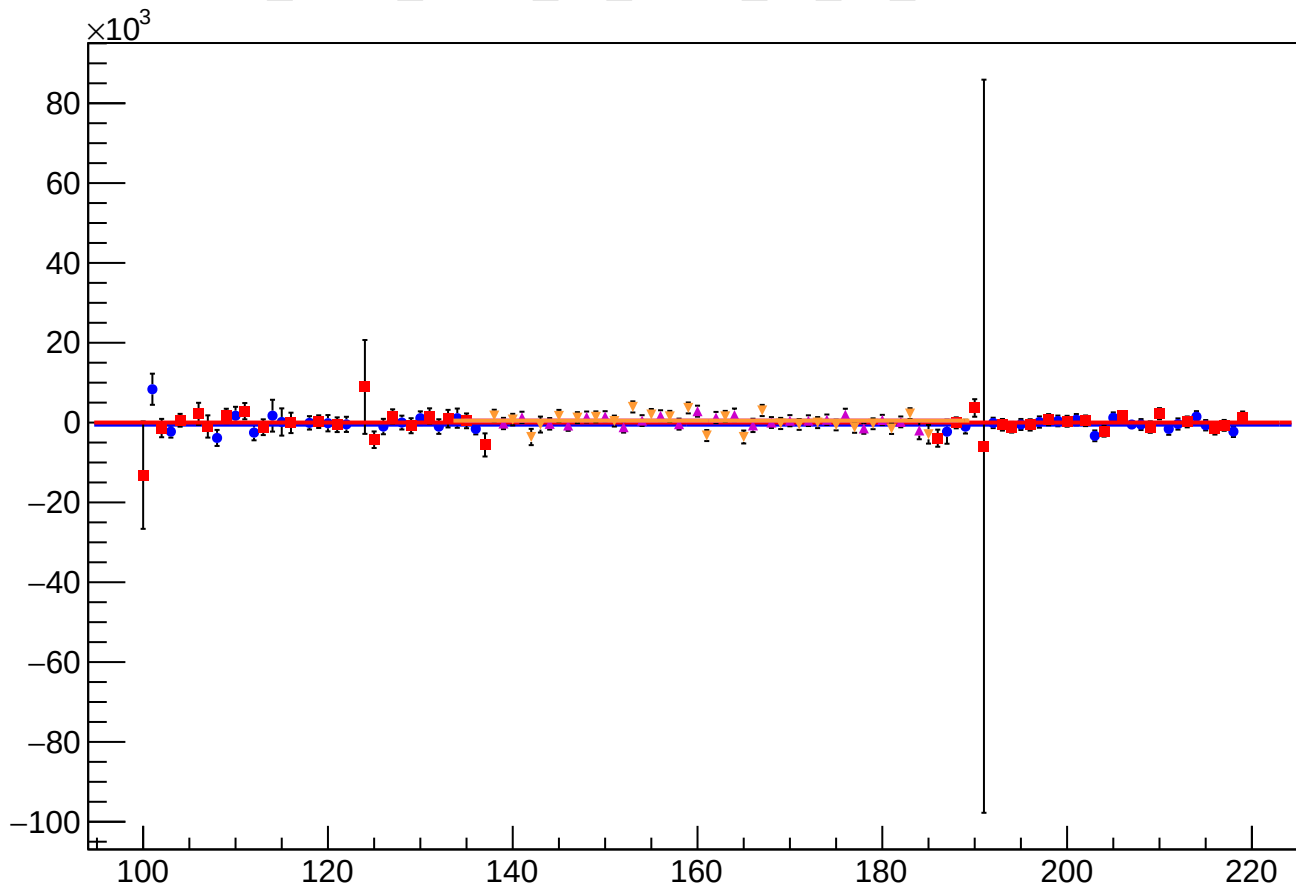
Left In: 0.000+/-0.000 χ^2/NDF : 2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 17416399.3/56

All: 0.000+/-0.000 χ^2/NDF : 33465162.9/116

- sign 0.000+/-0.000 χ^2/NDF : 15887395.3/59

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -518.956+/-286.661 χ^2/NDF : 26.2/31

Left Out: 492.062+/-288.495 χ^2/NDF : 46.9/24

Right Out: 10.411+/-281.970 χ^2/NDF : 33.5/36

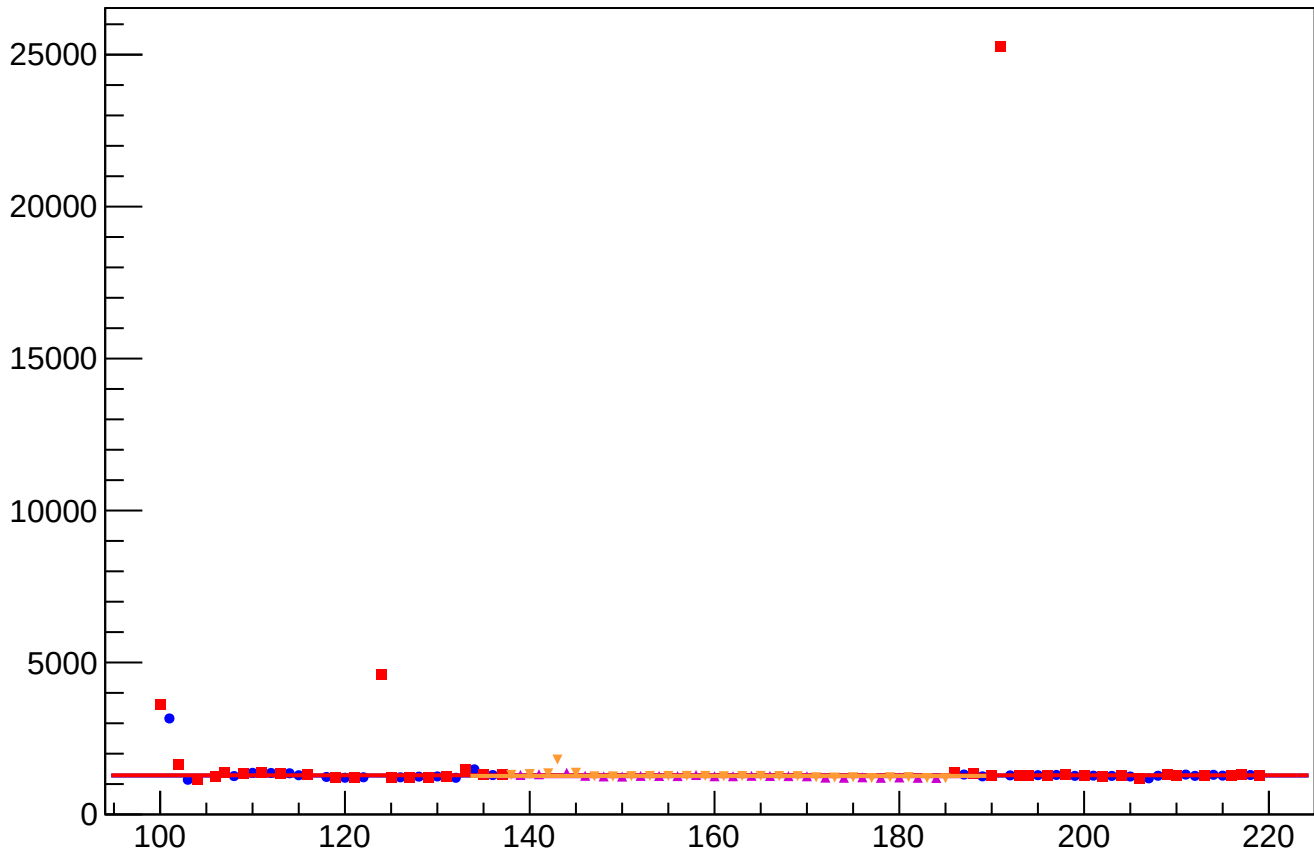
Left In: 486.821+/-293.769 χ^2/NDF : 14.4/22

+ sign -16.670+/-203.345 χ^2/NDF : 79.3/56

All: 111.043+/-143.816 χ^2/NDF : 129.3/116

- sign 238.857+/-203.426 χ^2/NDF : 49.3/59

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1279.520 $\pm$ 0.203 χ^2 /NDF: 530618.1/31

Left Out: 1266.967 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1288.492 $\pm$ 0.199 χ^2 /NDF: 483574.3/36

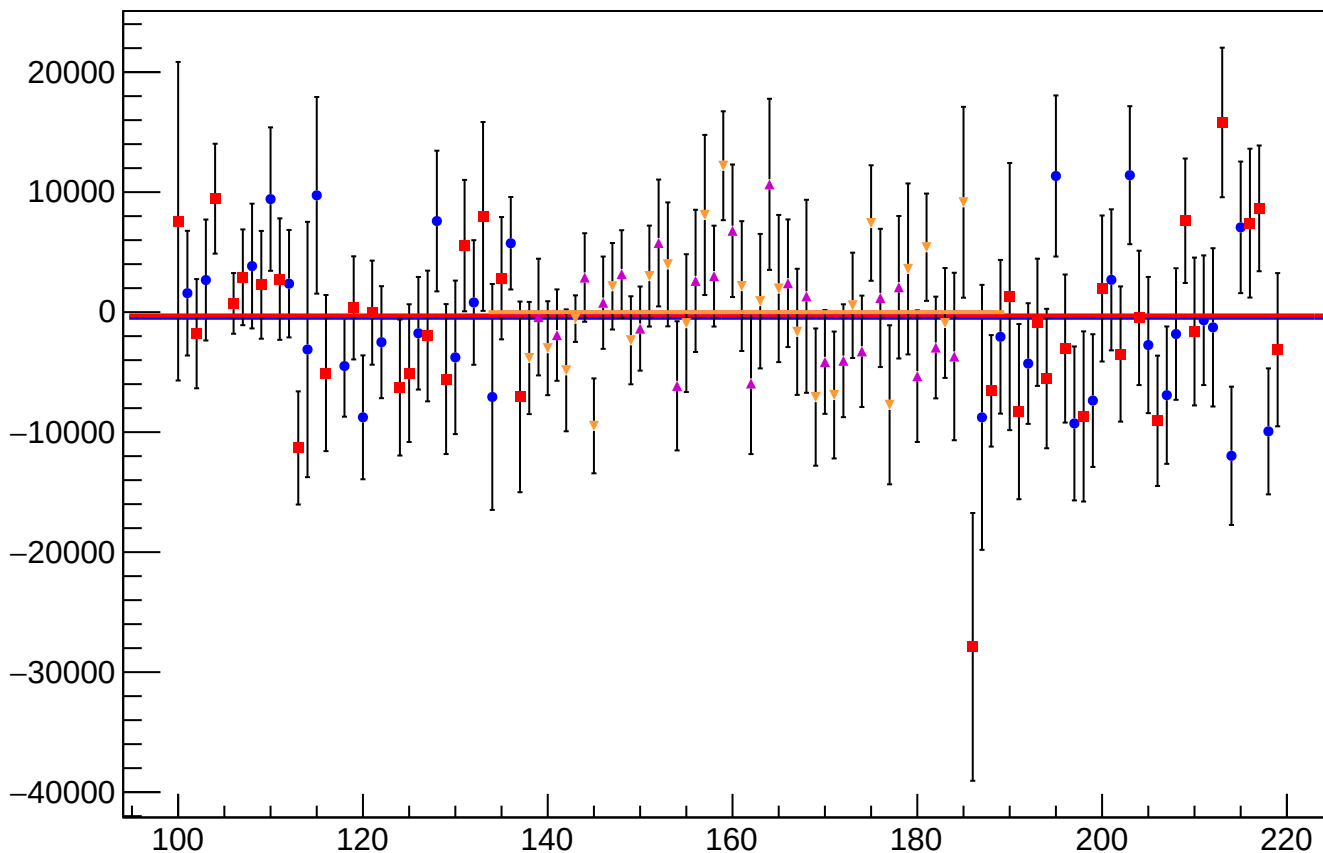
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.4/22

+ sign 1273.284 $\pm$ 0.144 χ^2 /NDF: 720068.9/56

All: 1273.476 $\pm$ 0.102 χ^2 /NDF: 1252019.9/11

- sign 1273.669 $\pm$ 0.144 χ^2 /NDF: 531947.5/59

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug



Right In: -468.160 ± 984.534 χ^2/NDF : 38.0/31

Left Out: -0.604 ± 886.488 χ^2/NDF : 29.1/24

Right Out: -274.259 ± 875.989 χ^2/NDF : 46.8/36

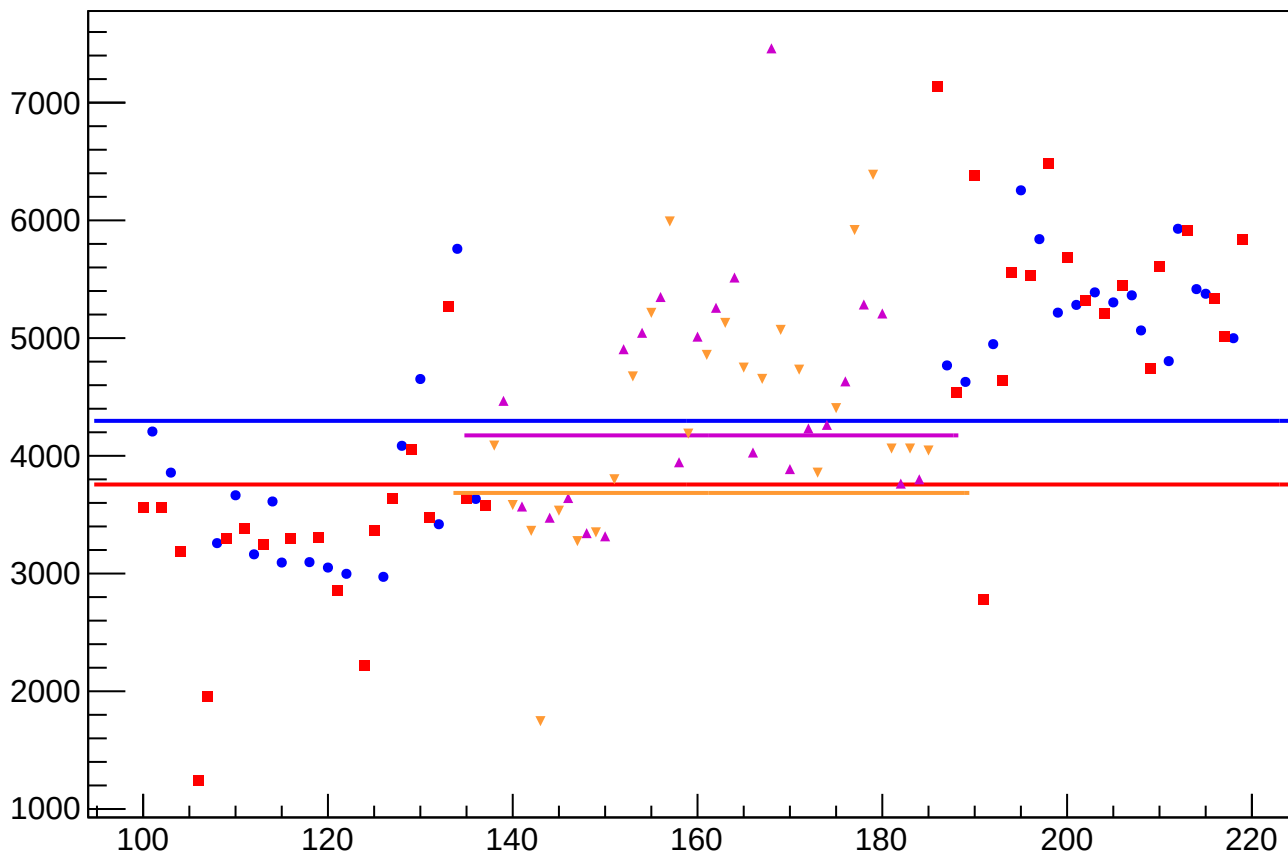
Left In: -31.593 ± 995.348 χ^2/NDF : 14.0/22

+ sign -209.948 ± 658.786 χ^2/NDF : 67.2/56

All: -189.107 ± 465.408 χ^2/NDF : 128.1/116

- sign -168.341 ± 657.590 χ^2/NDF : 60.9/59

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug



Right In: 4297.027 $\pm$ 0.696 χ^2/NDF : 2076361.0/31

Left Out: 3684.769 $\pm$ 0.627 χ^2/NDF : 3693646.6/24

Right Out: 3756.437 $\pm$ 0.619 χ^2/NDF : 5567877.2/36

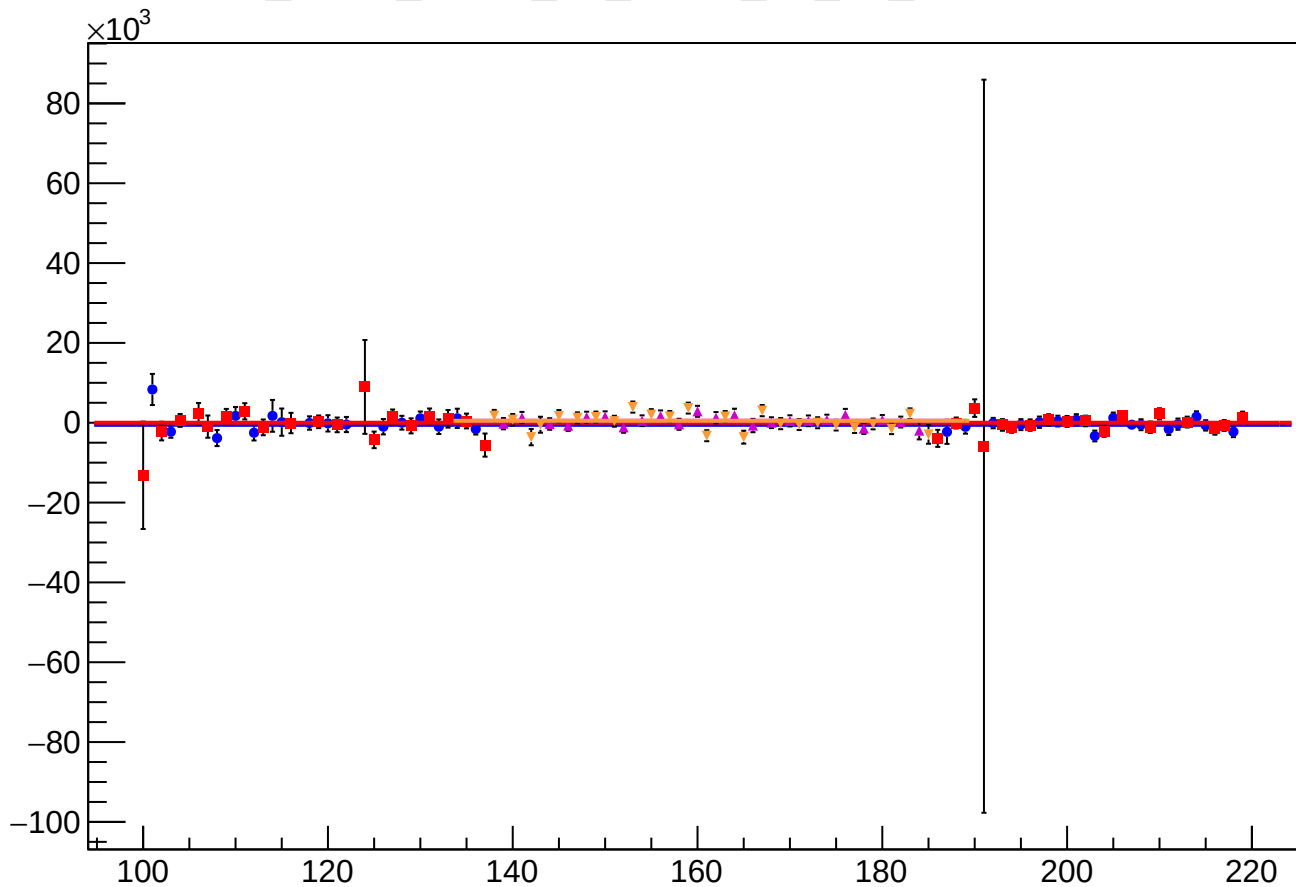
Left In: 4173.556 $\pm$ 0.704 χ^2/NDF : 1274968.4/22

+ sign 3958.902 $\pm$ 0.466 χ^2/NDF : 6197158.3/56

All: 3948.682 $\pm$ 0.329 χ^2/NDF : 13238895.4/1

- sign 3938.499 $\pm$ 0.465 χ^2/NDF : 7040776.2/59

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -519.082 ± 286.661 χ^2/NDF : 26.2/31

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 0.721 ± 282.033 χ^2/NDF : 33.9/36

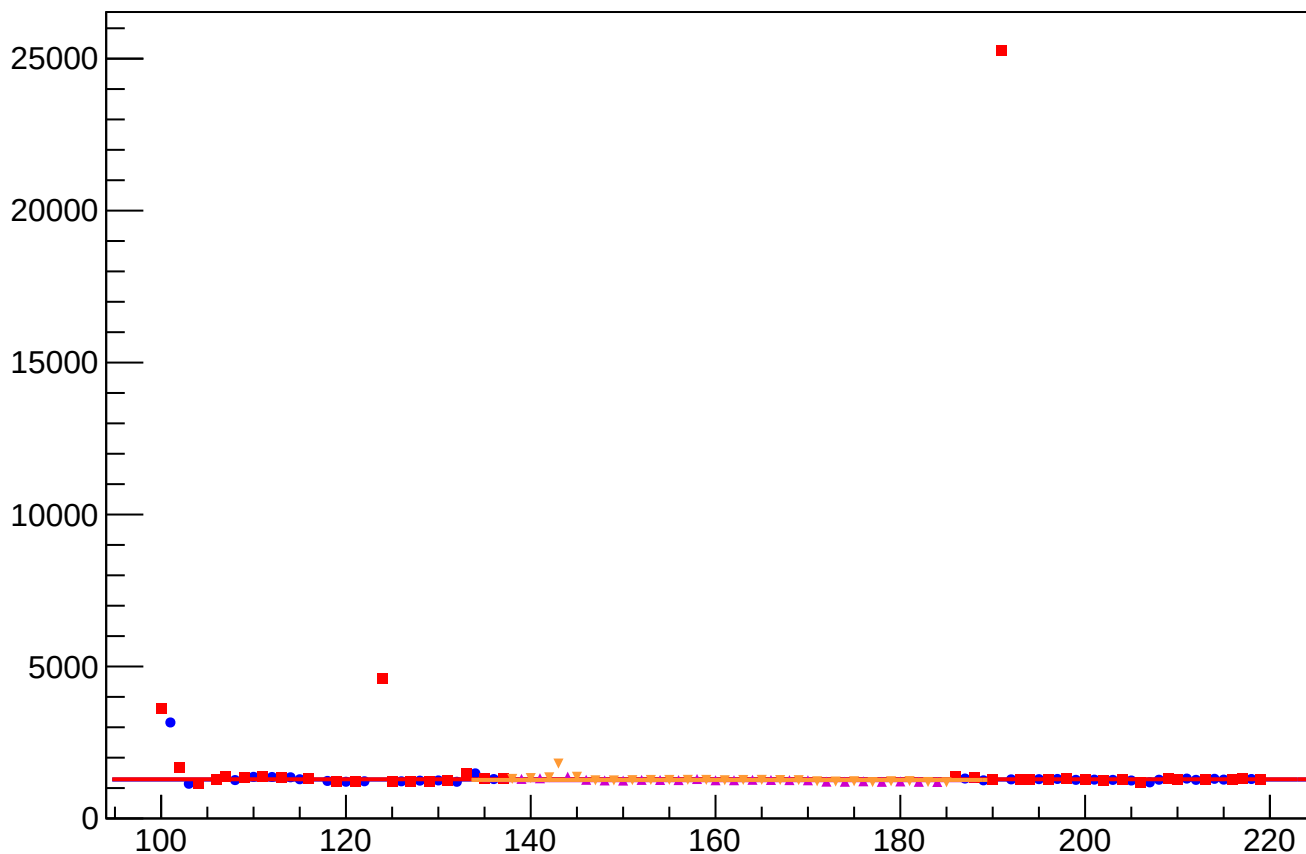
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign -16.725 ± 203.345 χ^2/NDF : 79.2/56

All: 108.483 ± 143.824 χ^2/NDF : 129.8/116

- sign 233.819 ± 203.450 χ^2/NDF : 49.8/59

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1279.520 $\pm$ 0.203 χ^2 /NDF: 530619.5/31

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.161 $\pm$ 0.199 χ^2 /NDF: 490475.5/36

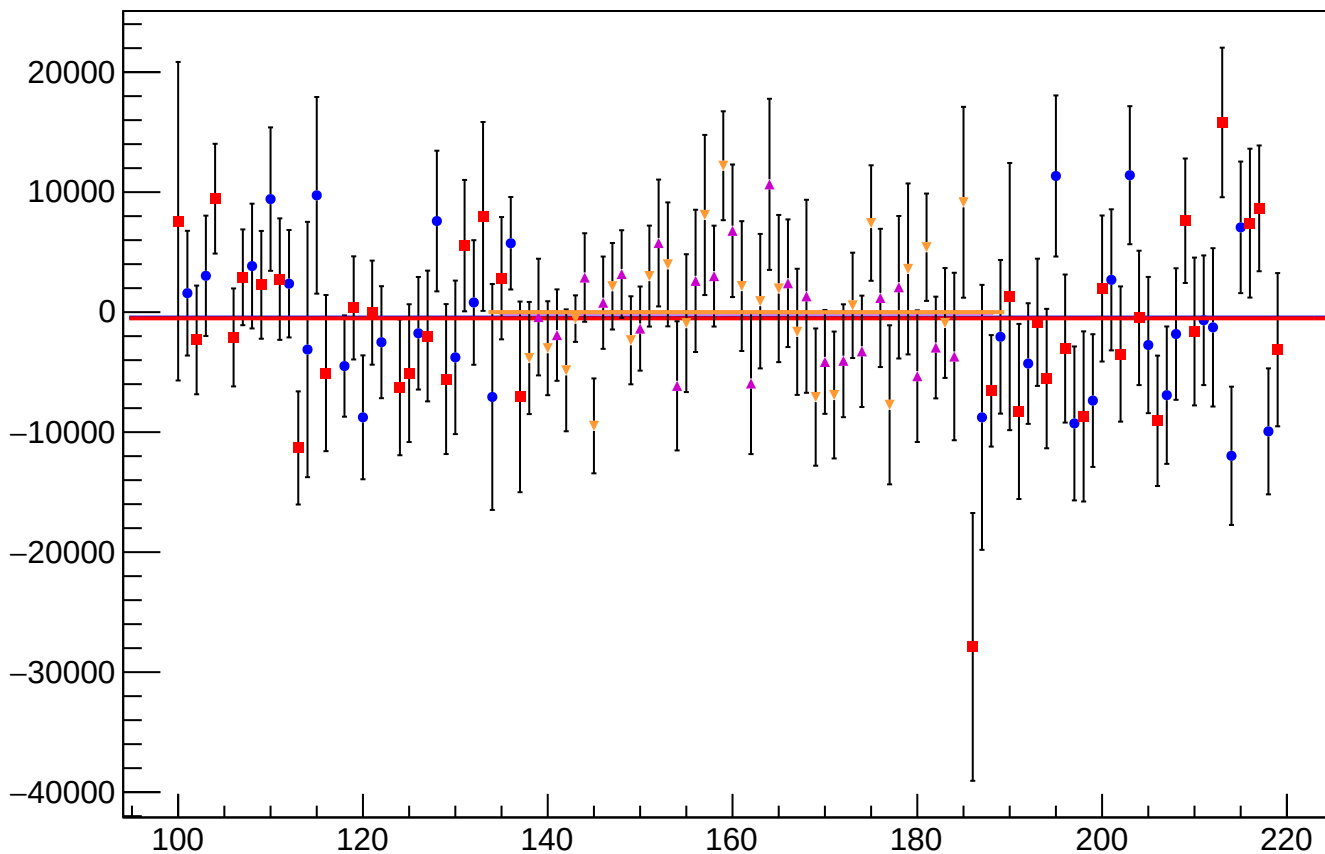
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1273.284 $\pm$ 0.144 χ^2 /NDF: 720070.2/56

All: 1273.647 $\pm$ 0.102 χ^2 /NDF: 1259431.4/11

- sign 1274.010 $\pm$ 0.144 χ^2 /NDF: 539348.4/59

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug



Right In: -453.478 ± 984.347 χ^2/NDF : 38.1/31

Left Out: -0.541 ± 886.487 χ^2/NDF : 29.1/24

Right Out: -515.681 ± 910.040 χ^2/NDF : 46.9/36

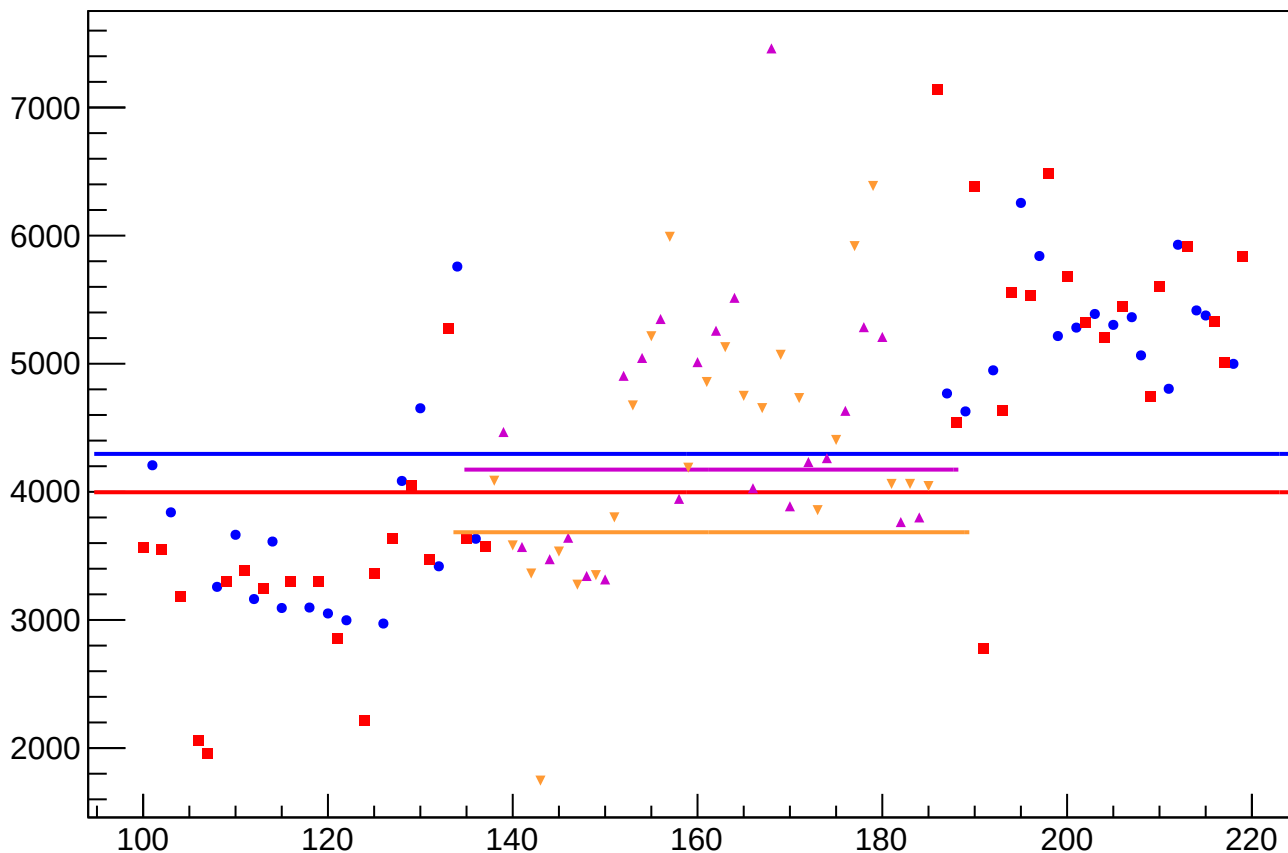
Left In: -31.597 ± 995.347 χ^2/NDF : 14.0/22

+ sign -203.382 ± 658.729 χ^2/NDF : 67.2/56

All: -248.434 ± 470.288 χ^2/NDF : 128.3/116

- sign -295.269 ± 671.633 χ^2/NDF : 61.1/59

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug



Right In: 4296.223+/-0.696 χ^2/NDF : 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF : 3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF : 3797224.6/36

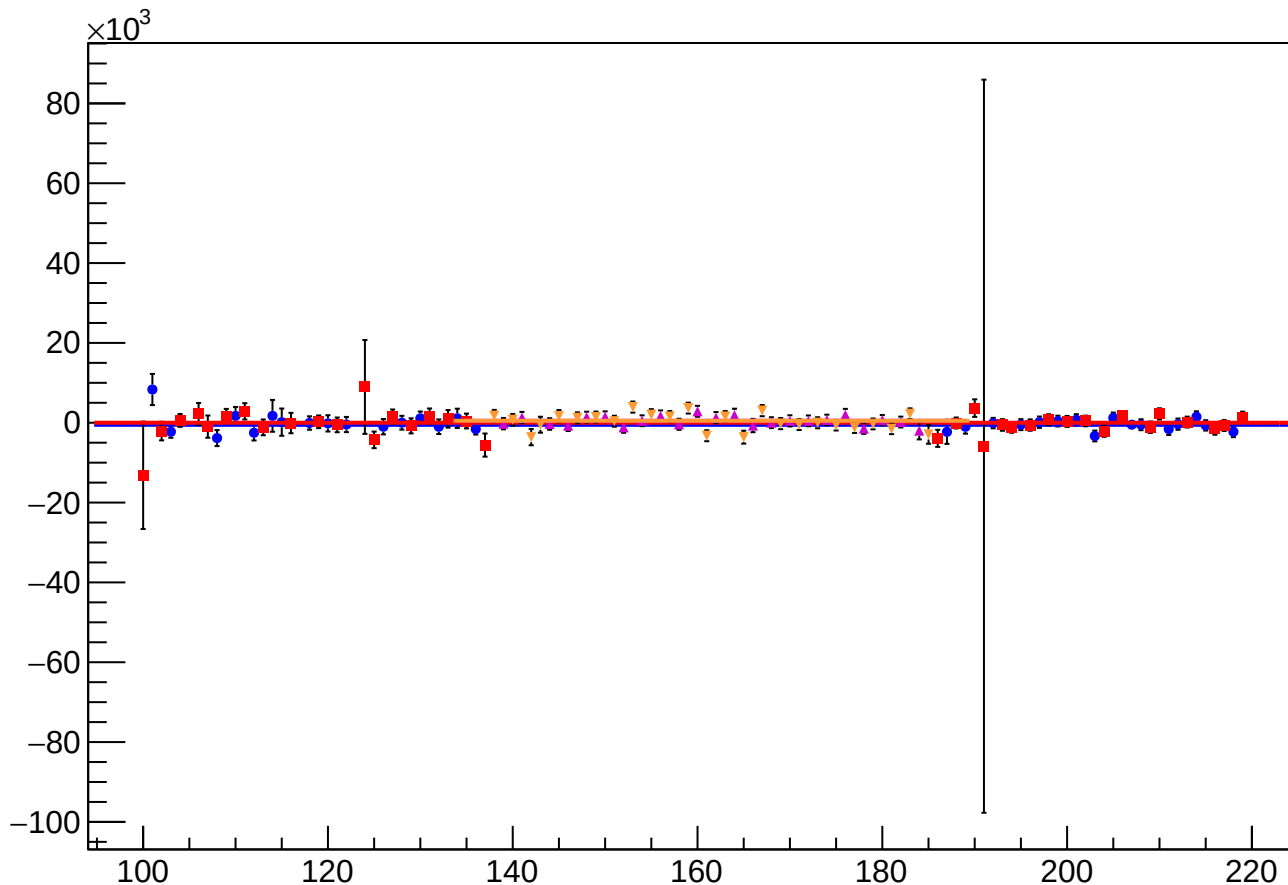
Left In: 4173.550+/-0.704 χ^2/NDF : 1274967.5/22

+ sign 3958.595+/-0.466 χ^2/NDF : 6197559.1/56

All: 4016.805+/-0.333 χ^2/NDF : 11335926.5/100

- sign 4077.317+/-0.475 χ^2/NDF : 5106515.0/59

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -519.082 $\pm$ 286.661 χ^2 /NDF: 26.2/31

Left Out: 492.079 $\pm$ 288.495 χ^2 /NDF: 46.9/24

Right Out: 0.721 $\pm$ 282.033 χ^2 /NDF: 33.9/36

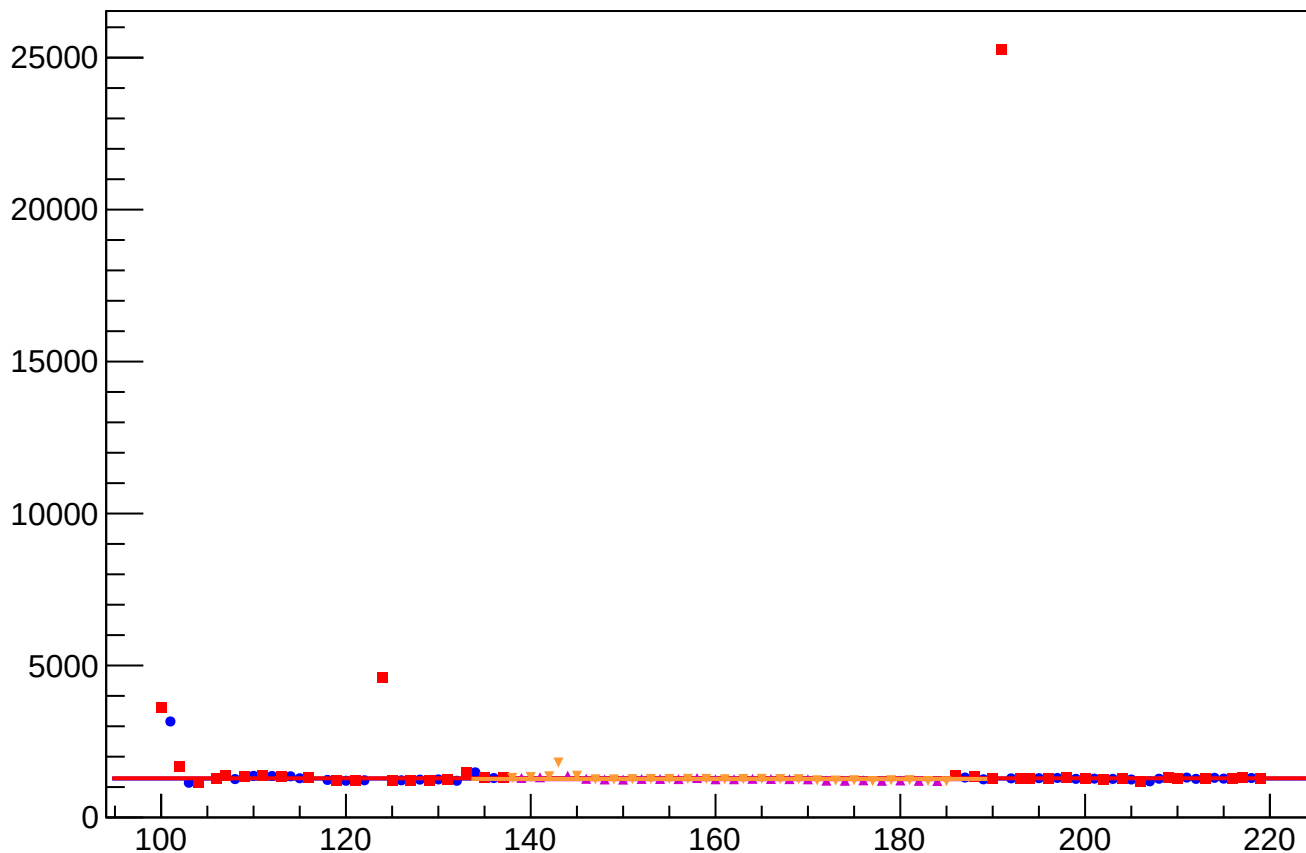
Left In: 486.720 $\pm$ 293.769 χ^2 /NDF: 14.4/22

+ sign -16.725 $\pm$ 203.345 χ^2 /NDF: 79.2/56

All: 108.483 $\pm$ 143.824 χ^2 /NDF: 129.8/116

- sign 233.819 $\pm$ 203.450 χ^2 /NDF: 49.8/59

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1279.520 $\pm$ 0.203 χ^2 /NDF: 530619.5/31

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.161 $\pm$ 0.199 χ^2 /NDF: 490475.5/36

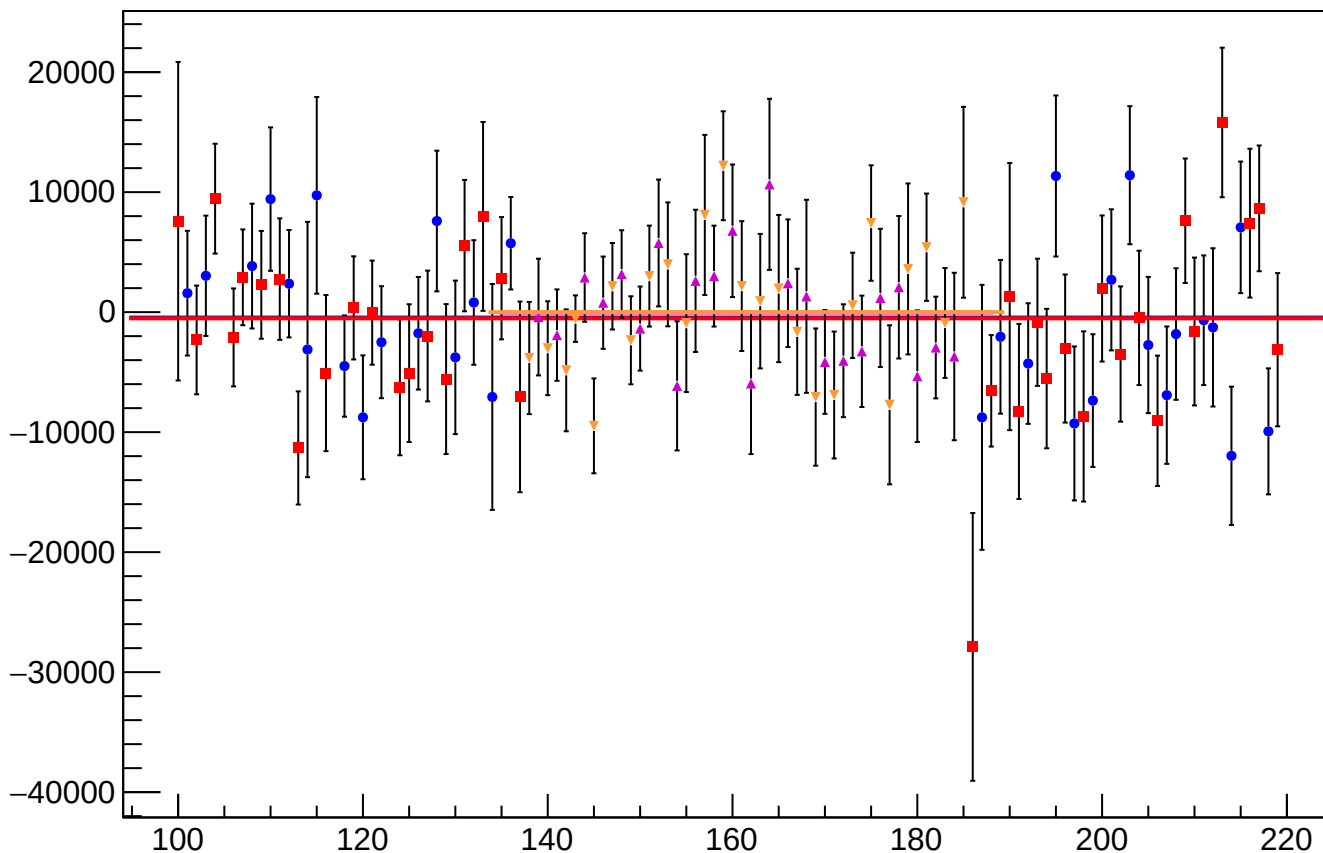
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1273.284 $\pm$ 0.144 χ^2 /NDF: 720070.2/56

All: 1273.647 $\pm$ 0.102 χ^2 /NDF: 1259431.4/11

- sign 1274.010 $\pm$ 0.144 χ^2 /NDF: 539348.4/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug



Right In: -453.478 ± 984.347 χ^2/NDF : 38.1/31

Left Out: -0.541 ± 886.487 χ^2/NDF : 29.1/24

Right Out: -515.681 ± 910.040 χ^2/NDF : 46.9/36

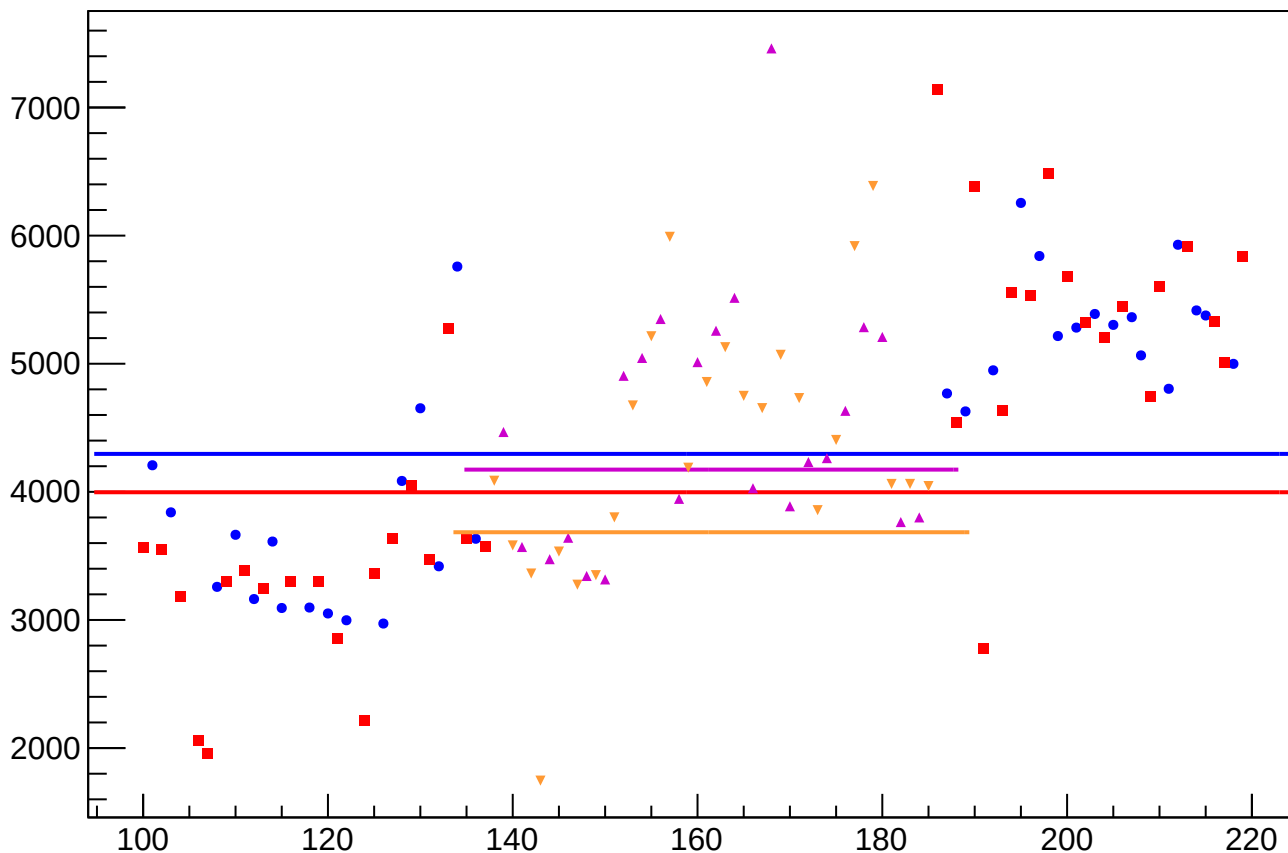
Left In: -31.597 ± 995.347 χ^2/NDF : 14.0/22

+ sign -203.382 ± 658.729 χ^2/NDF : 67.2/56

All: -248.434 ± 470.288 χ^2/NDF : 128.3/116

- sign -295.269 ± 671.633 χ^2/NDF : 61.1/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 4296.223+/-0.696 χ^2/NDF : 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF : 3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF : 3797224.6/36

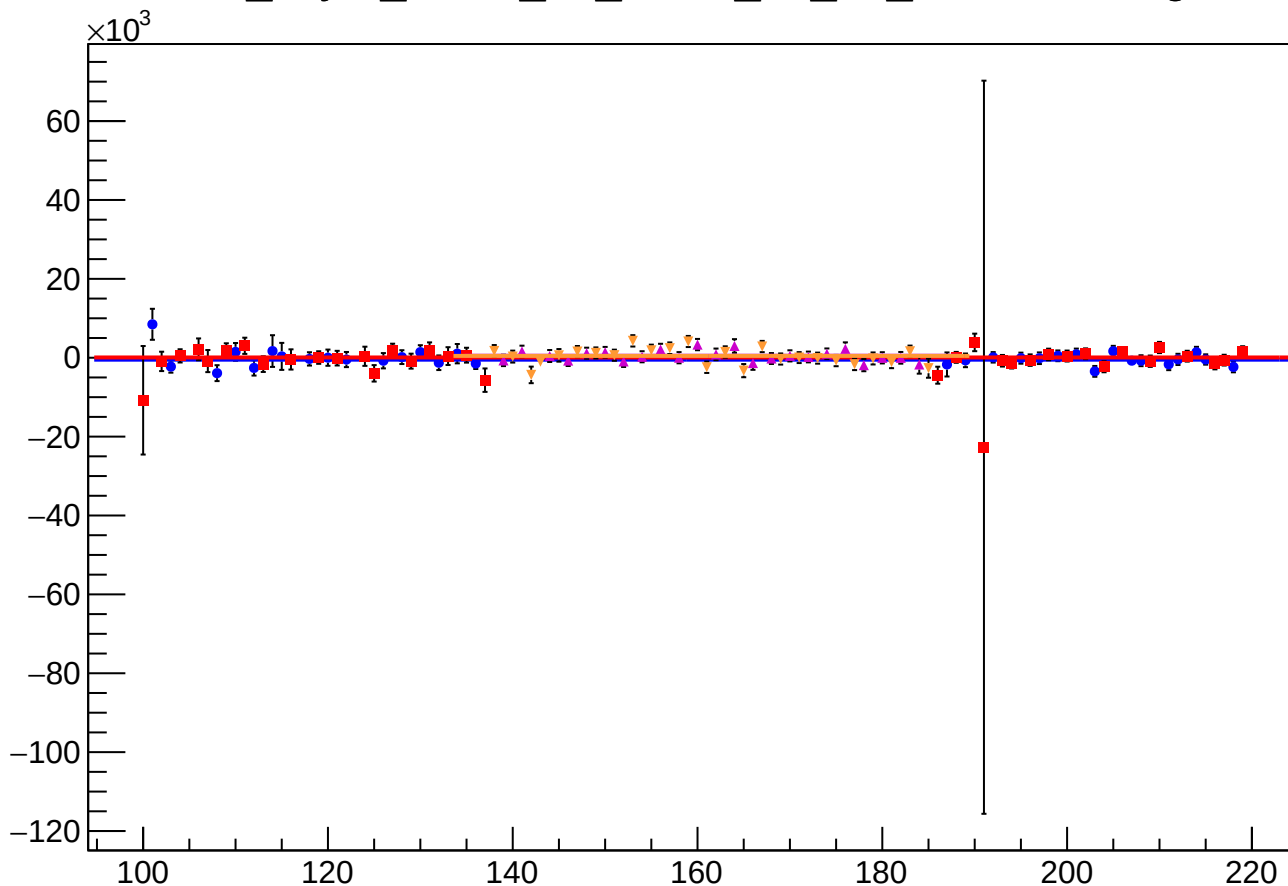
Left In: 4173.550+/-0.704 χ^2/NDF : 1274967.5/22

+ sign 3958.595+/-0.466 χ^2/NDF : 6197559.1/56

All: 4016.805+/-0.333 χ^2/NDF : 11335926.5/100

- sign 4077.317+/-0.475 χ^2/NDF : 5106515.0/59

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -490.252 ± 290.193 χ^2/NDF : 27.5/31

Left Out: 467.929 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 66.239 ± 284.065 χ^2/NDF : 35.1/36

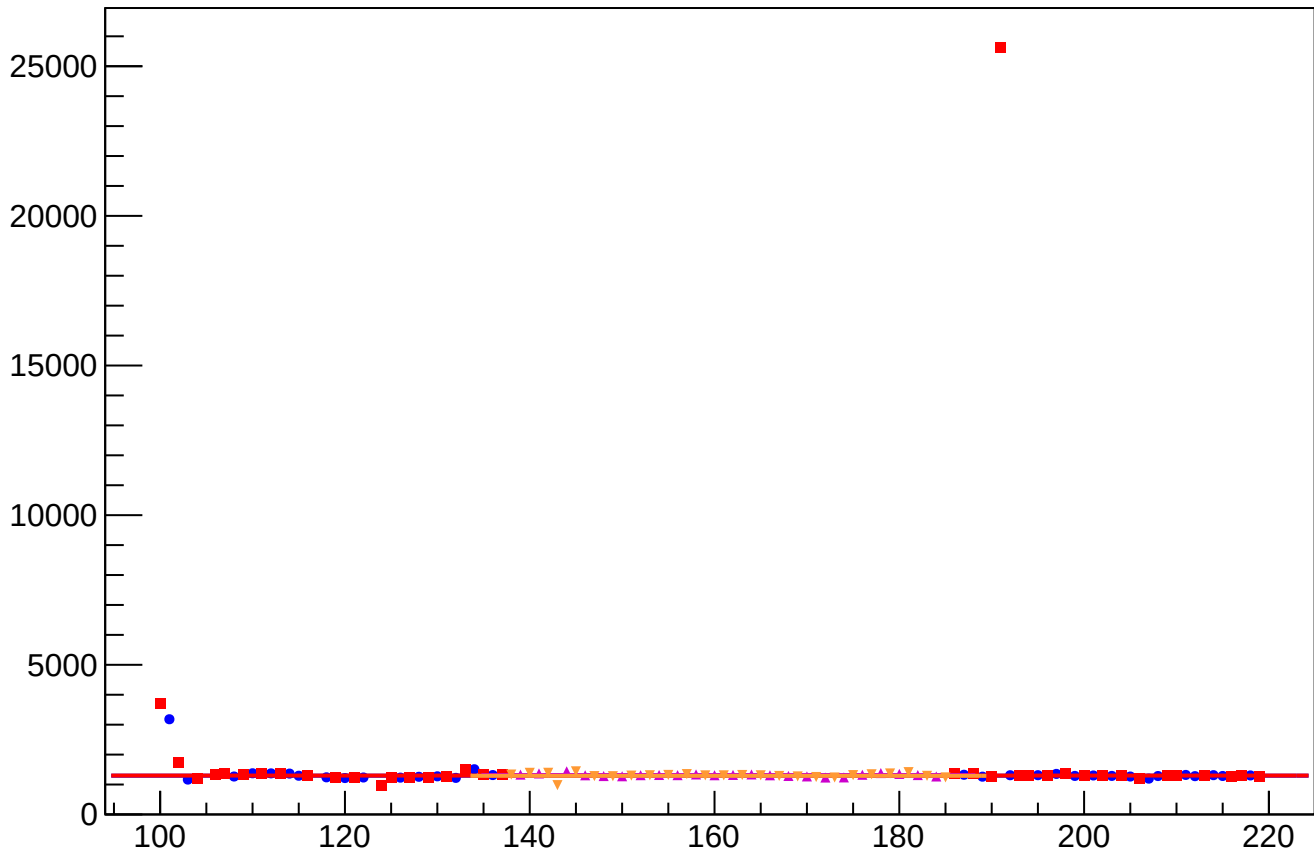
Left In: 503.558 ± 307.055 χ^2/NDF : 17.4/22

+ sign -17.823 ± 206.619 χ^2/NDF : 77.0/56

All: 123.739 ± 146.769 χ^2/NDF : 131.6/116

- sign 267.916 ± 208.519 χ^2/NDF : 53.6/59

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1295.181 $\pm$ 0.205 χ^2 /NDF: 530283.4/31

Left Out: 1291.211 $\pm$ 0.208 χ^2 /NDF: 230735.1/24

Right Out: 1299.547 $\pm$ 0.201 χ^2 /NDF: 379434.2/36

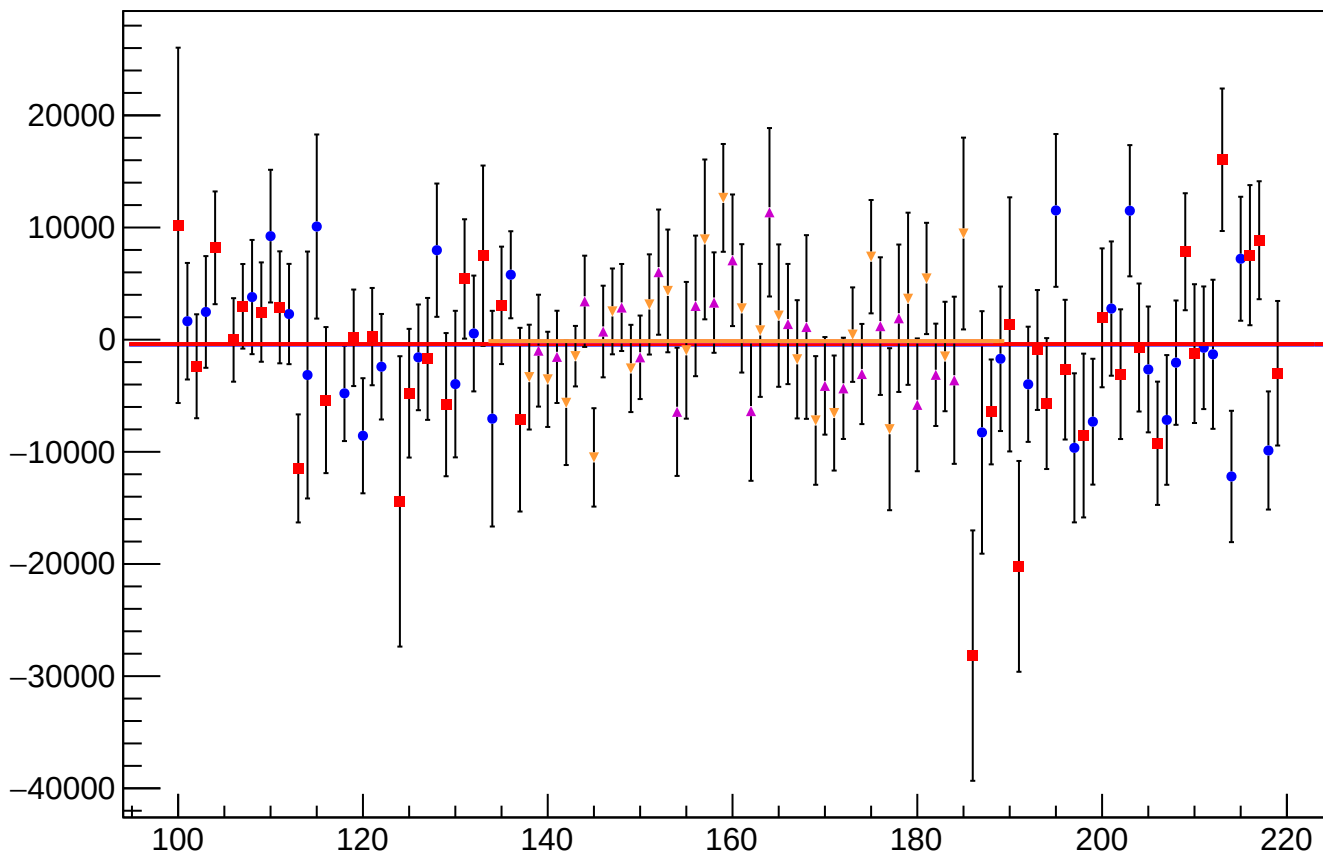
Left In: 1314.006 $\pm$ 0.217 χ^2 /NDF: 43044.7/22

+ sign 1293.224 $\pm$ 0.146 χ^2 /NDF: 761203.2/56

All: 1299.660 $\pm$ 0.104 χ^2 /NDF: 1189988.8/11

- sign 1306.213 $\pm$ 0.147 χ^2 /NDF: 424869.1/59

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug



Right In: -435.912 ± 990.415 χ^2/NDF : 37.9/31

Left Out: -127.273 ± 977.231 χ^2/NDF : 28.6/24

Right Out: -389.692 ± 924.704 χ^2/NDF : 48.5/36

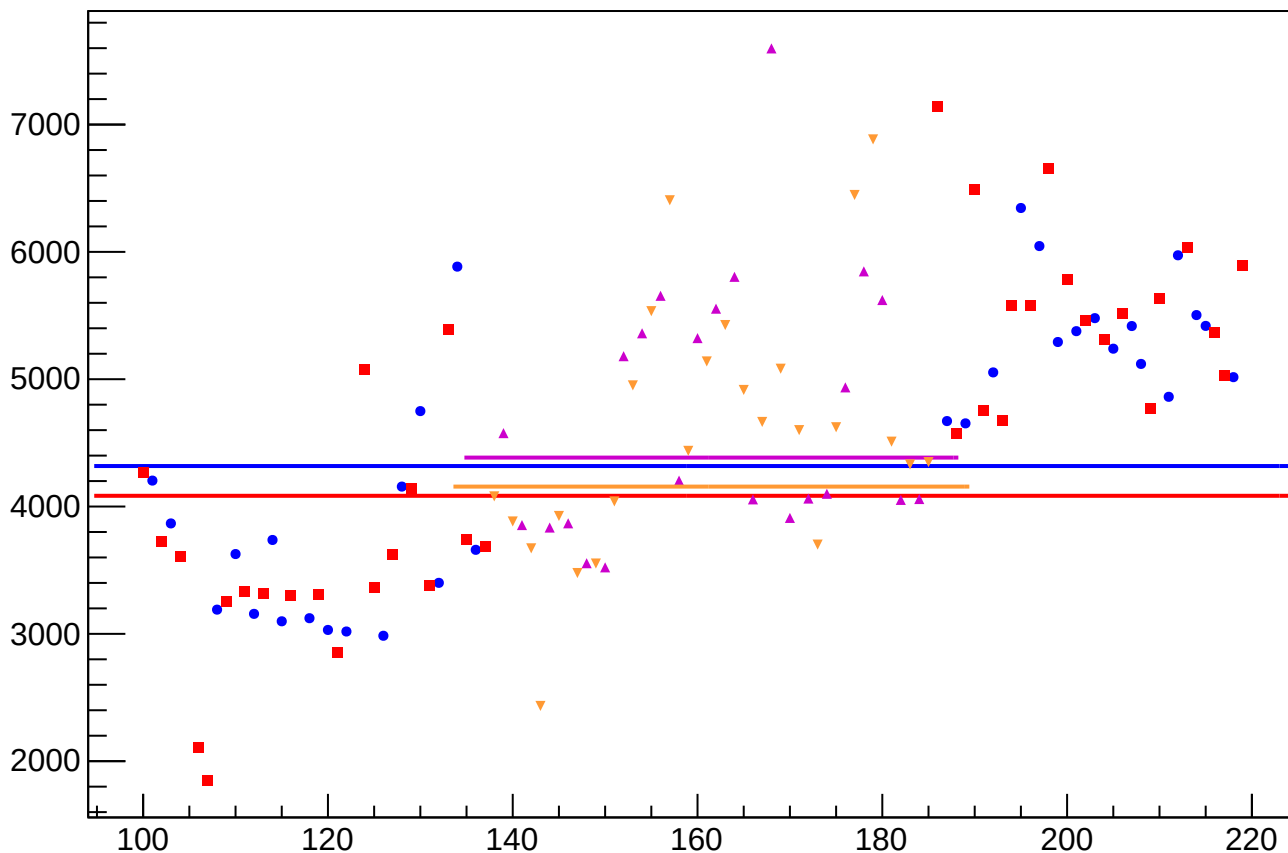
Left In: -159.452 ± 1045.510 χ^2/NDF : 13.8/22

+ sign -279.524 ± 695.621 χ^2/NDF : 66.5/56

All: -284.100 ± 490.827 χ^2/NDF : 128.8/116

- sign -288.637 ± 692.656 χ^2/NDF : 62.3/59

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug



Right In: 4318.059 $\pm$ 0.700 χ^2 /NDF: 2178483.2/31

Left Out: 4156.582 $\pm$ 0.691 χ^2 /NDF: 2080766.1/24

Right Out: 4084.304 $\pm$ 0.654 χ^2 /NDF: 3814574.7/36

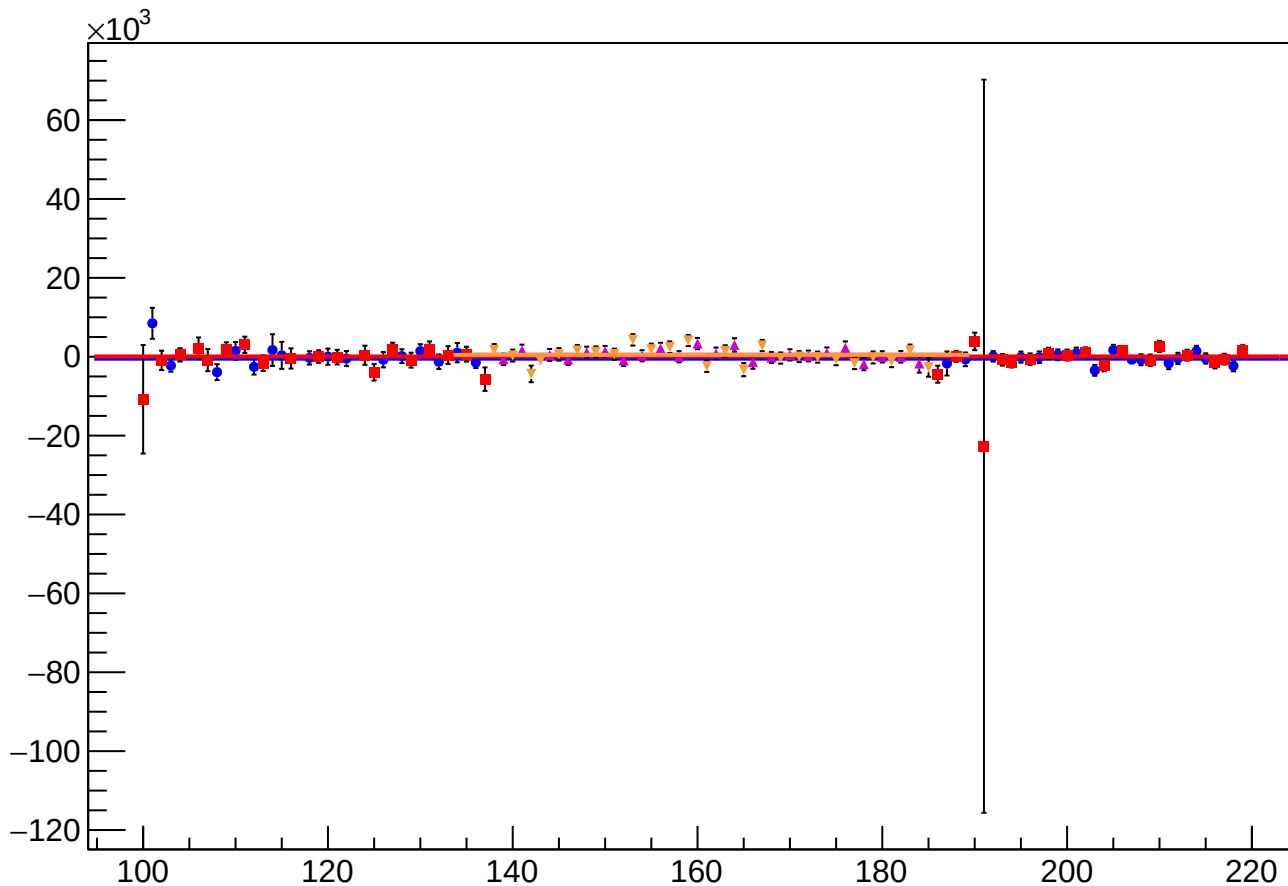
Left In: 4384.323 $\pm$ 0.739 χ^2 /NDF: 1255470.8/22

+ sign 4236.239 $\pm$ 0.492 χ^2 /NDF: 4286187.7/56

All: 4226.069 $\pm$ 0.347 χ^2 /NDF: 9449490.4/11

- sign 4215.986 $\pm$ 0.490 χ^2 /NDF: 5162451.5/59

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -490.250 ± 290.193 χ^2/NDF : 27.5/31

Left Out: 467.933 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 66.240 ± 284.065 χ^2/NDF : 35.1/36

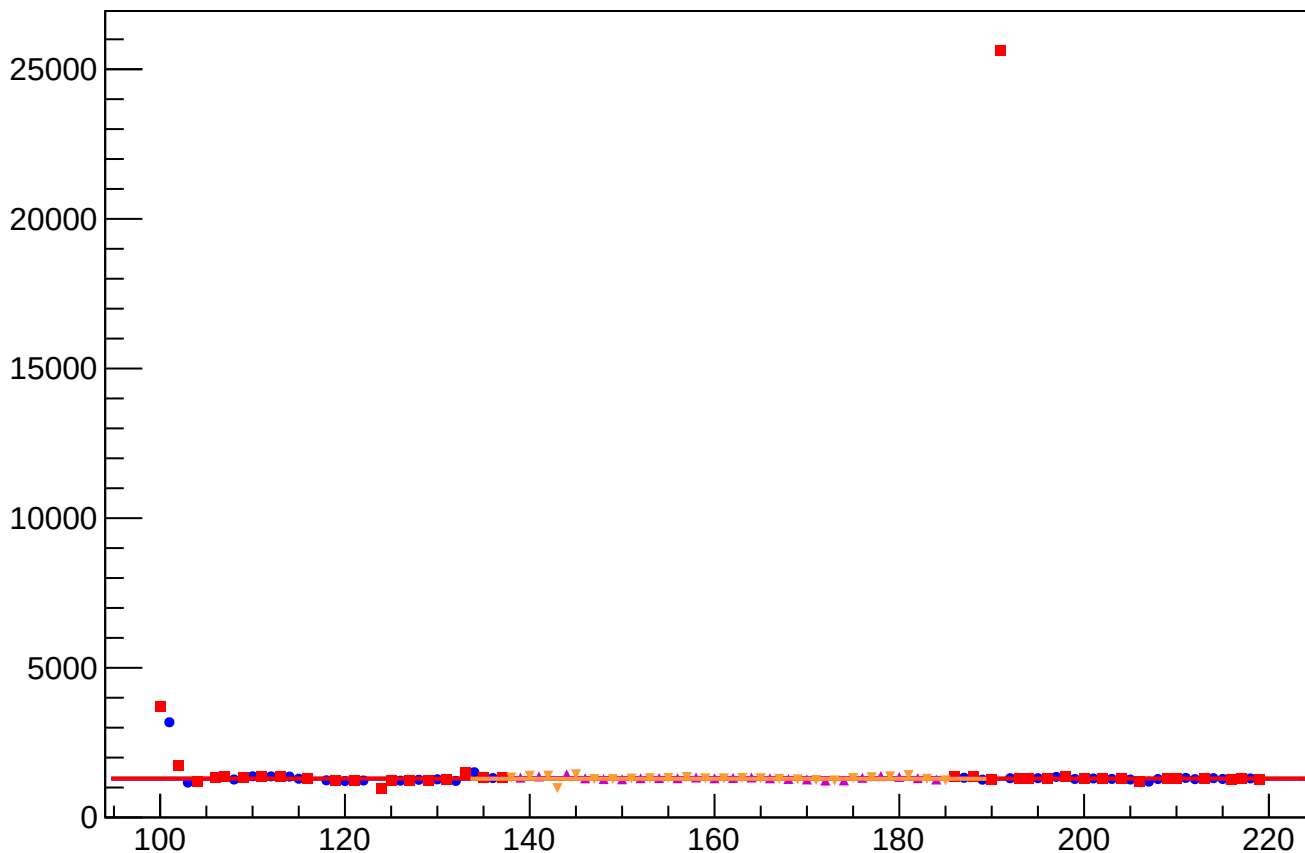
Left In: 503.558 ± 307.056 χ^2/NDF : 17.4/22

+ sign -17.821 ± 206.620 χ^2/NDF : 77.0/56

All: 123.740 ± 146.769 χ^2/NDF : 131.6/116

- sign 267.916 ± 208.519 χ^2/NDF : 53.6/59

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1295.181 $\pm$ 0.205 χ^2 /NDF: 530283.5/31

Left Out: 1291.212 $\pm$ 0.208 χ^2 /NDF: 230737.6/24

Right Out: 1299.547 $\pm$ 0.201 χ^2 /NDF: 379434.3/36

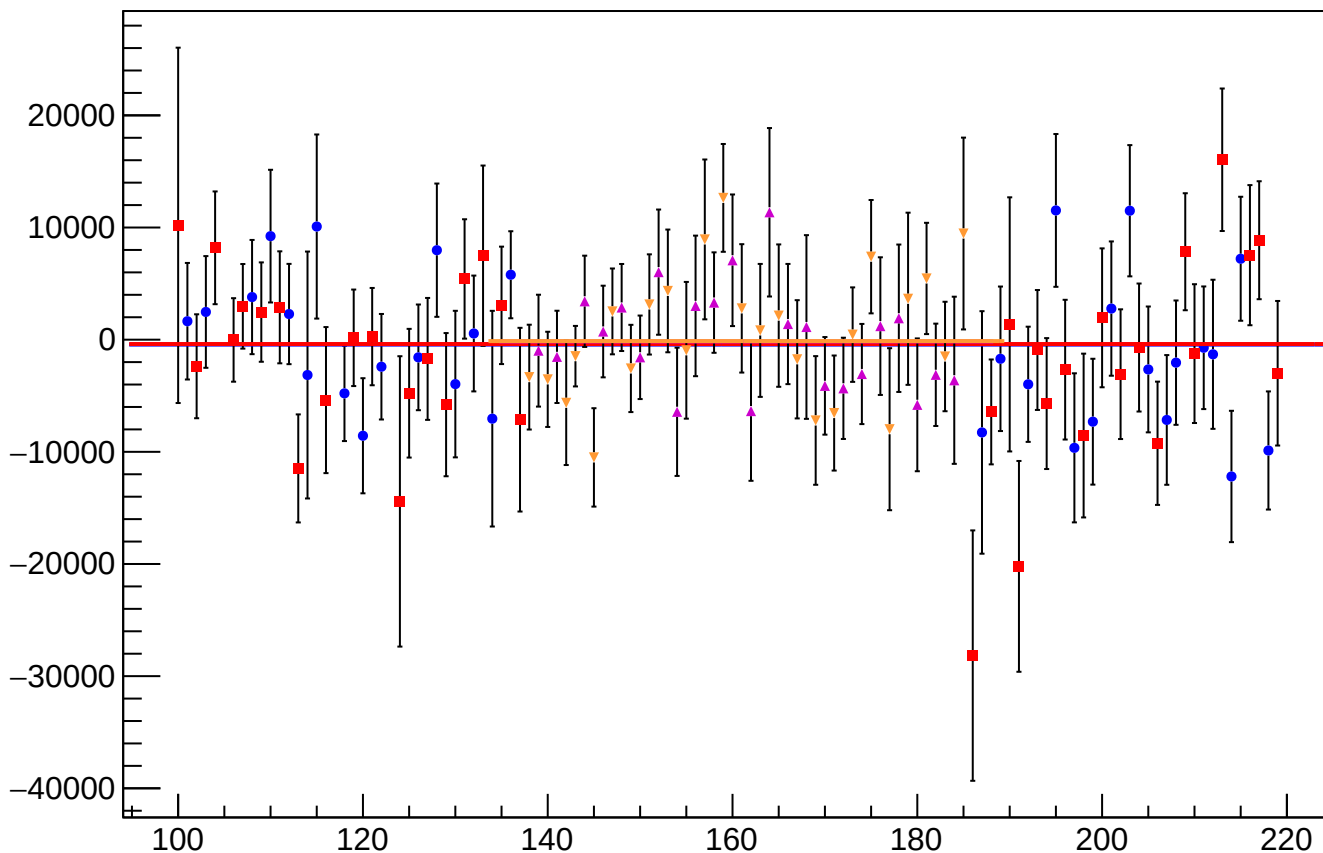
Left In: 1314.007 $\pm$ 0.217 χ^2 /NDF: 43046.8/22

+ sign 1293.224 $\pm$ 0.146 χ^2 /NDF: 761205.6/56

All: 1299.660 $\pm$ 0.104 χ^2 /NDF: 1189993.9/11

- sign 1306.214 $\pm$ 0.147 χ^2 /NDF: 424871.7/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug



Right In: -435.914 ± 990.415 χ^2/NDF : 37.9/31

Left Out: -127.271 ± 977.232 χ^2/NDF : 28.6/24

Right Out: -389.687 ± 924.703 χ^2/NDF : 48.5/36

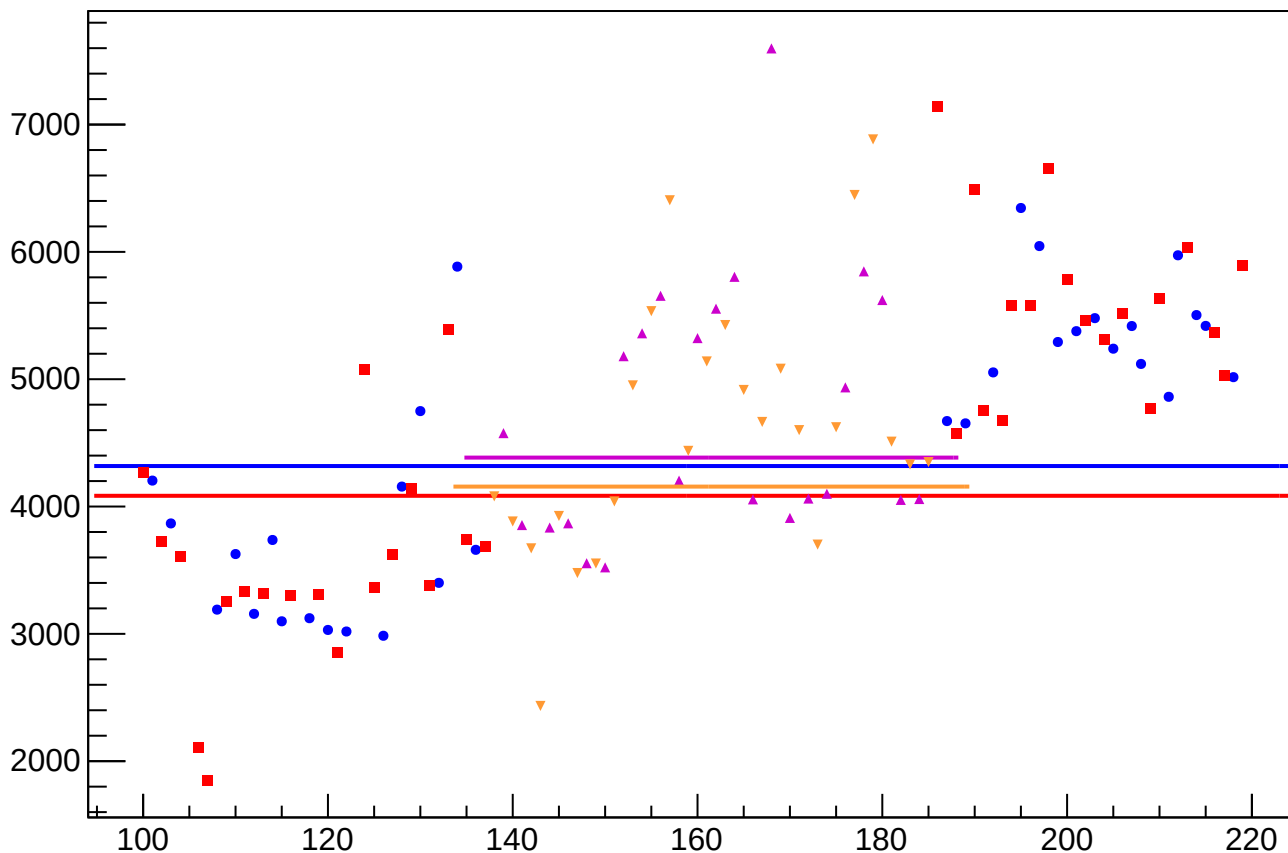
Left In: -159.454 ± 1045.511 χ^2/NDF : 13.8/22

+ sign -279.525 ± 695.621 χ^2/NDF : 66.5/56

All: -284.099 ± 490.827 χ^2/NDF : 128.8/116

- sign -288.635 ± 692.656 χ^2/NDF : 62.3/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 4318.055+/-0.700 χ^2/NDF : 2178522.1/31

Left Out: 4156.588+/-0.691 χ^2/NDF : 2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF : 3814613.1/36

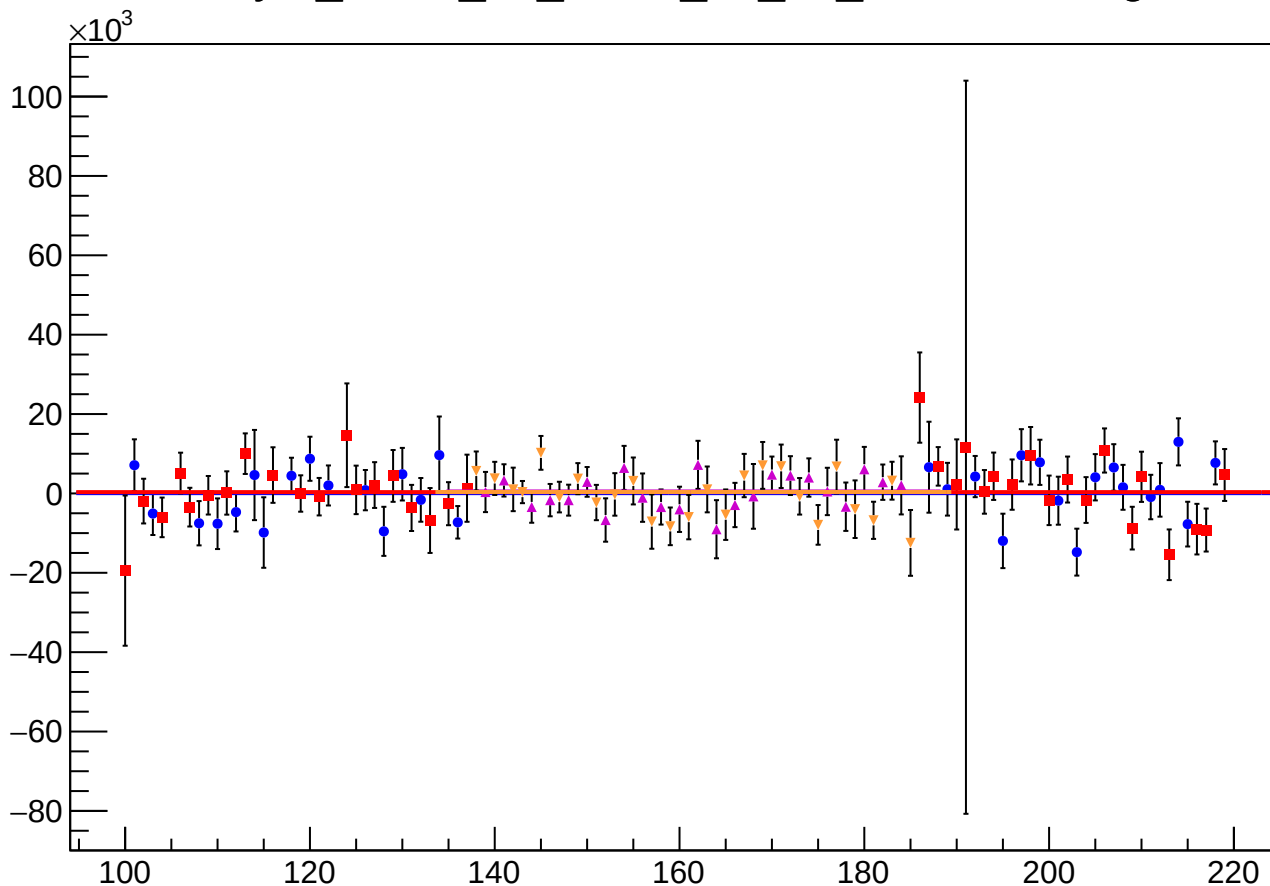
Left In: 4384.329+/-0.739 χ^2/NDF : 1255475.0/22

+ sign 4236.240+/-0.492 χ^2/NDF : 4286225.8/56

All: 4226.069+/-0.347 χ^2/NDF : 9449578.8/11

- sign 4215.986+/-0.490 χ^2/NDF : 5162501.6/59

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: 70.199 ± 1040.368 $\chi^2/\text{NDF}: 43.4/31$

Left Out: 362.528 ± 979.860 $\chi^2/\text{NDF}: 27.7/24$

Right Out: 330.825 ± 996.314 $\chi^2/\text{NDF}: 39.1/36$

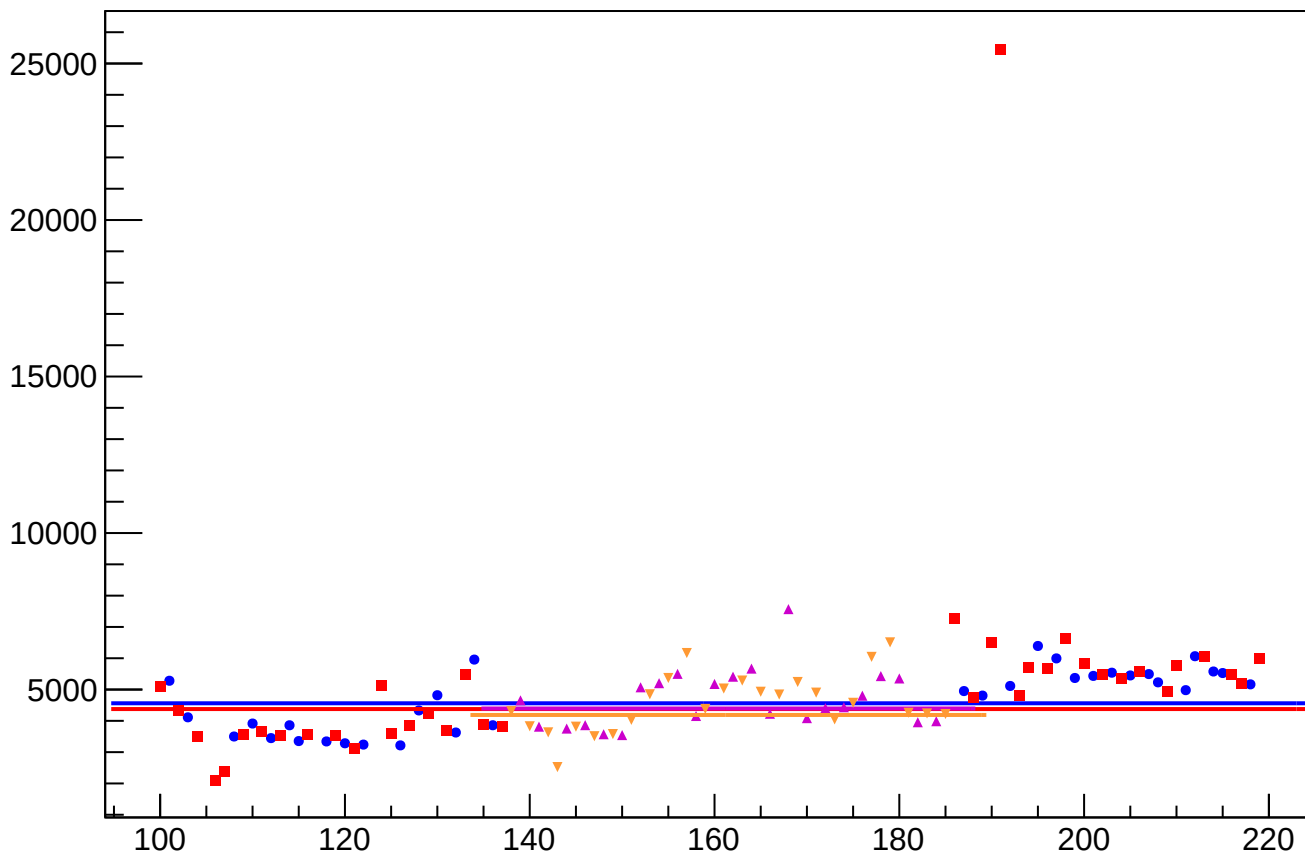
Left In: 497.522 ± 1044.707 $\chi^2/\text{NDF}: 13.9/22$

+ sign 225.111 ± 713.298 $\chi^2/\text{NDF}: 71.1/56$

All: 316.673 ± 507.080 $\chi^2/\text{NDF}: 124.2/116$

- sign 410.223 ± 721.002 $\chi^2/\text{NDF}: 53.0/59$

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4561.241+/-0.736 χ^2/NDF : 1749932.7/31

Left Out: 4187.848+/-0.693 χ^2/NDF :1796345.9/24

Right Out: 4376.780+/-0.699 χ^2/NDF : 3014582.8/36

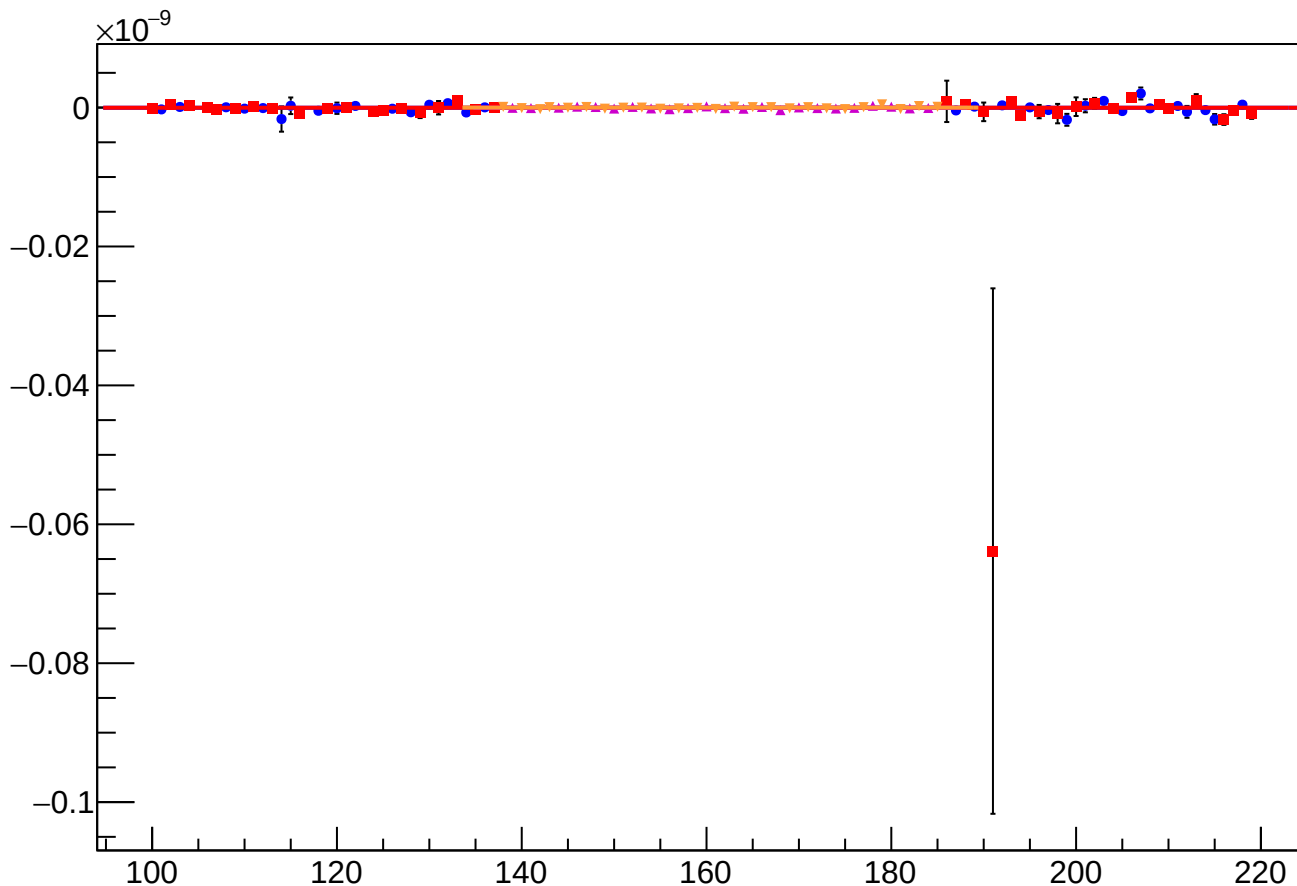
Left In: 4394.324+/-0.739 χ^2/NDF :1088394.9/22

+ sign 4363.372+/-0.504 χ^2/NDF : 3682801.1/56

All: 4374.148+/-0.358 χ^2/NDF : 7786995.4/11

- sign 4385.069+/-0.508 χ^2/NDF : 4103275.3/59

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 40.8/31

Left Out: -0.000+/-0.000 χ^2/NDF : 30.5/24

Right Out: -0.000+/-0.000 χ^2/NDF : 41.4/36

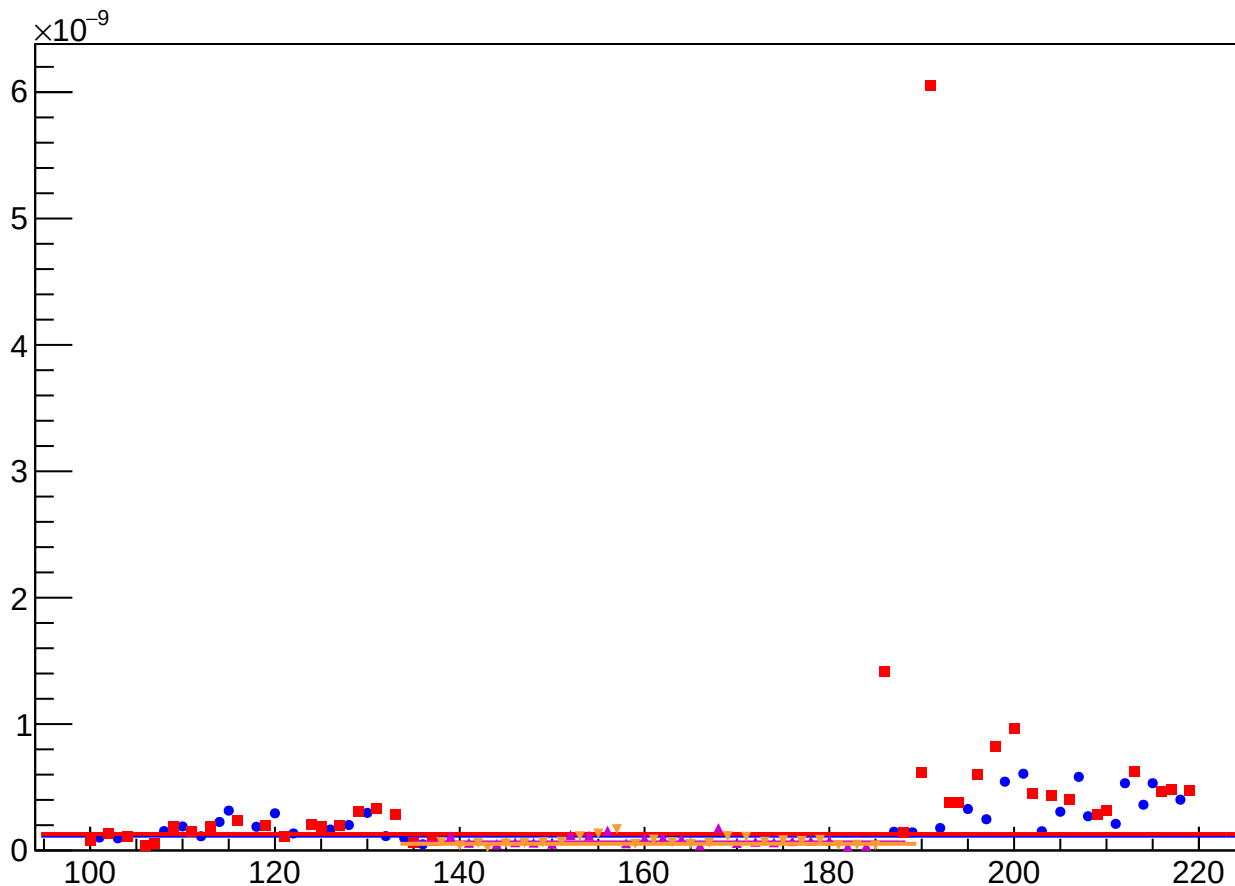
Left In: -0.000+/-0.000 χ^2/NDF : 17.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 71.5/56

All: -0.000+/-0.000 χ^2/NDF : 130.1/116

- sign -0.000+/-0.000 χ^2/NDF : 58.4/59

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6269298.8/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8717055.0/36

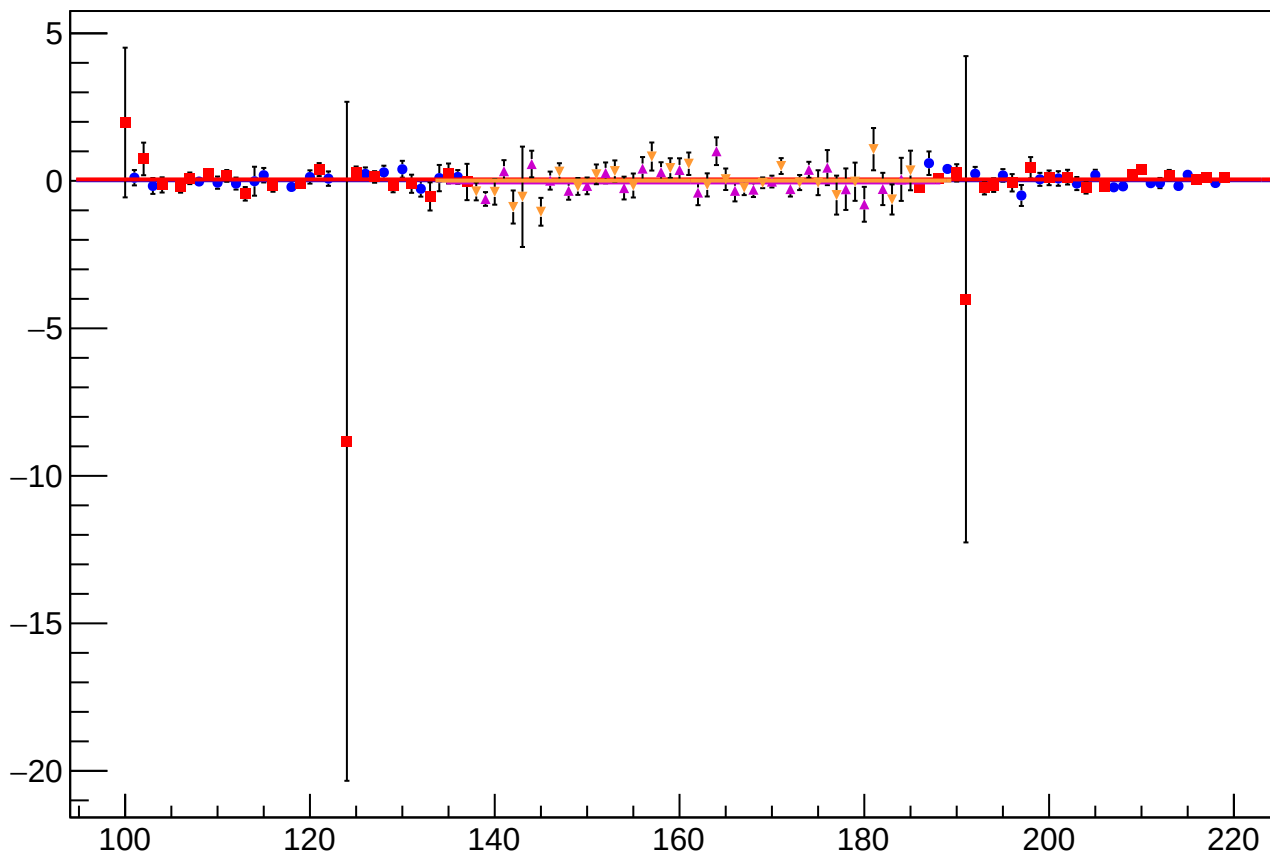
Left In: 0.000+/-0.000 χ^2/NDF : 1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 11348193.4/56

All: 0.000+/-0.000 χ^2/NDF : 24293486.6/116

- sign 0.000+/-0.000 χ^2/NDF : 12634307.7/59

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.021 ± 0.035 χ^2/NDF : 31.8/31

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.048 ± 0.032 χ^2/NDF : 41.6/36

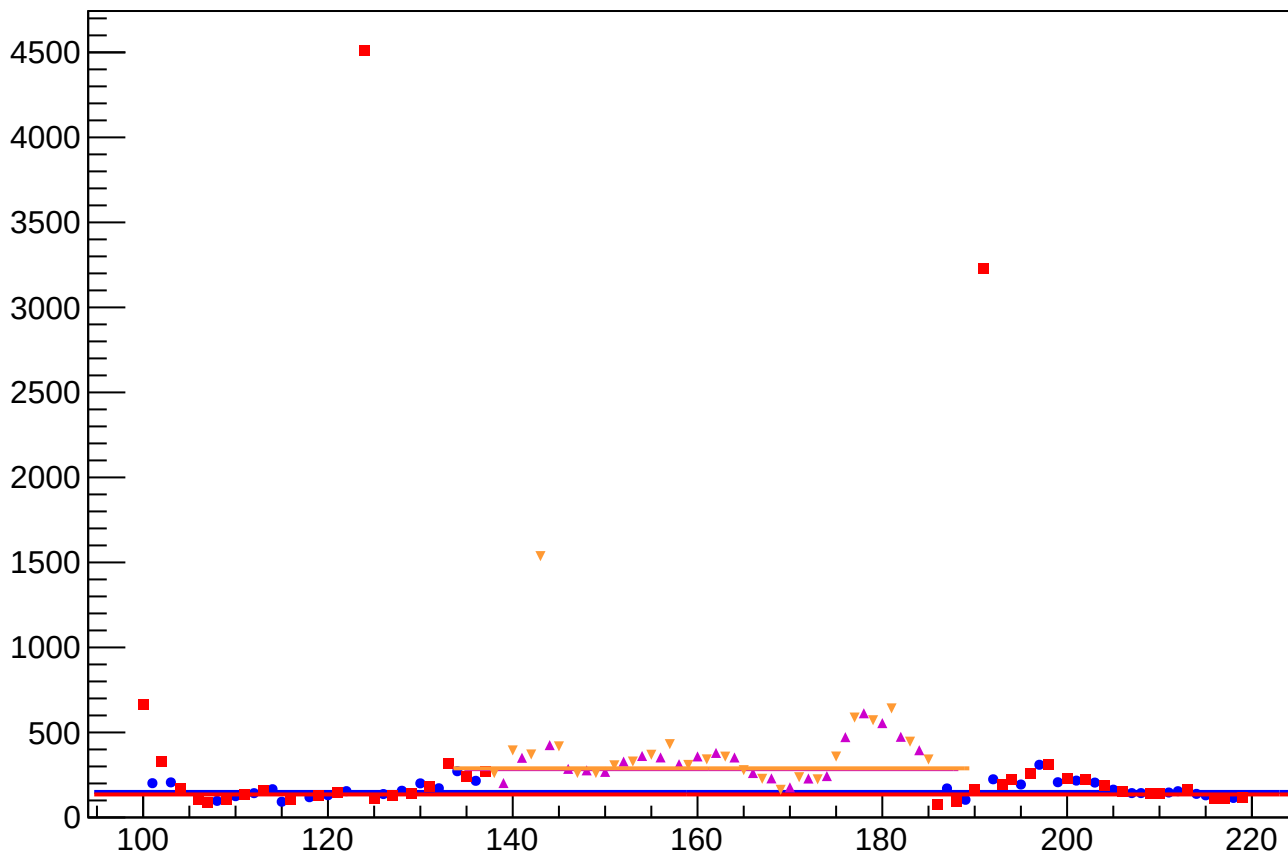
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.018 ± 0.032 χ^2/NDF : 60.7/56

All: 0.025 ± 0.021 χ^2/NDF : 131.8/116

- sign 0.030 ± 0.029 χ^2/NDF : 71.0/59

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 150.054+/-0.025 χ^2/NDF : 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF : 4934682.1/36

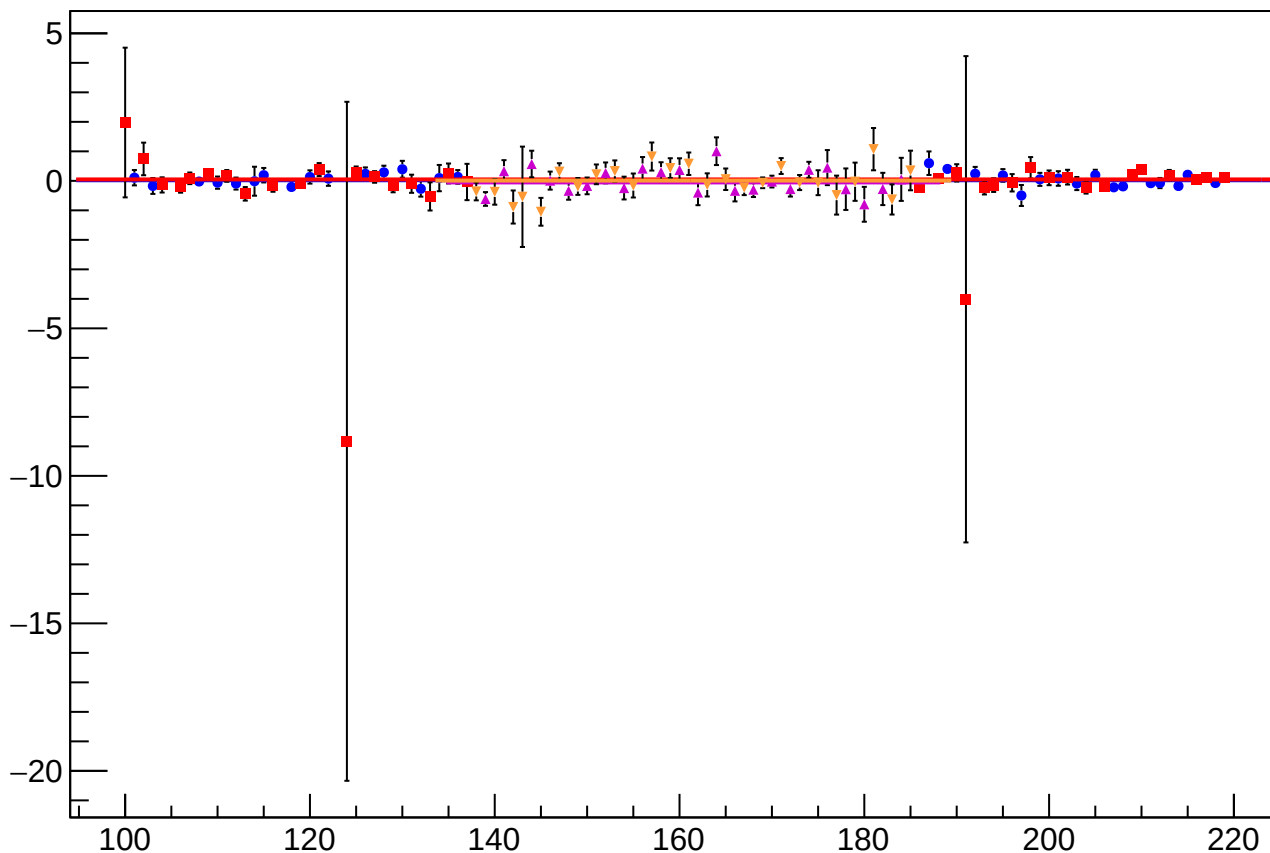
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 177.478+/-0.022 χ^2/NDF : 13318617.6/56

All: 168.587+/-0.015 χ^2/NDF : 29022789.5/1

- sign 160.971+/-0.021 χ^2/NDF : 15409459.6/59

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021 ± 0.035 χ^2/NDF : 31.8/31

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.048 ± 0.032 χ^2/NDF : 41.6/36

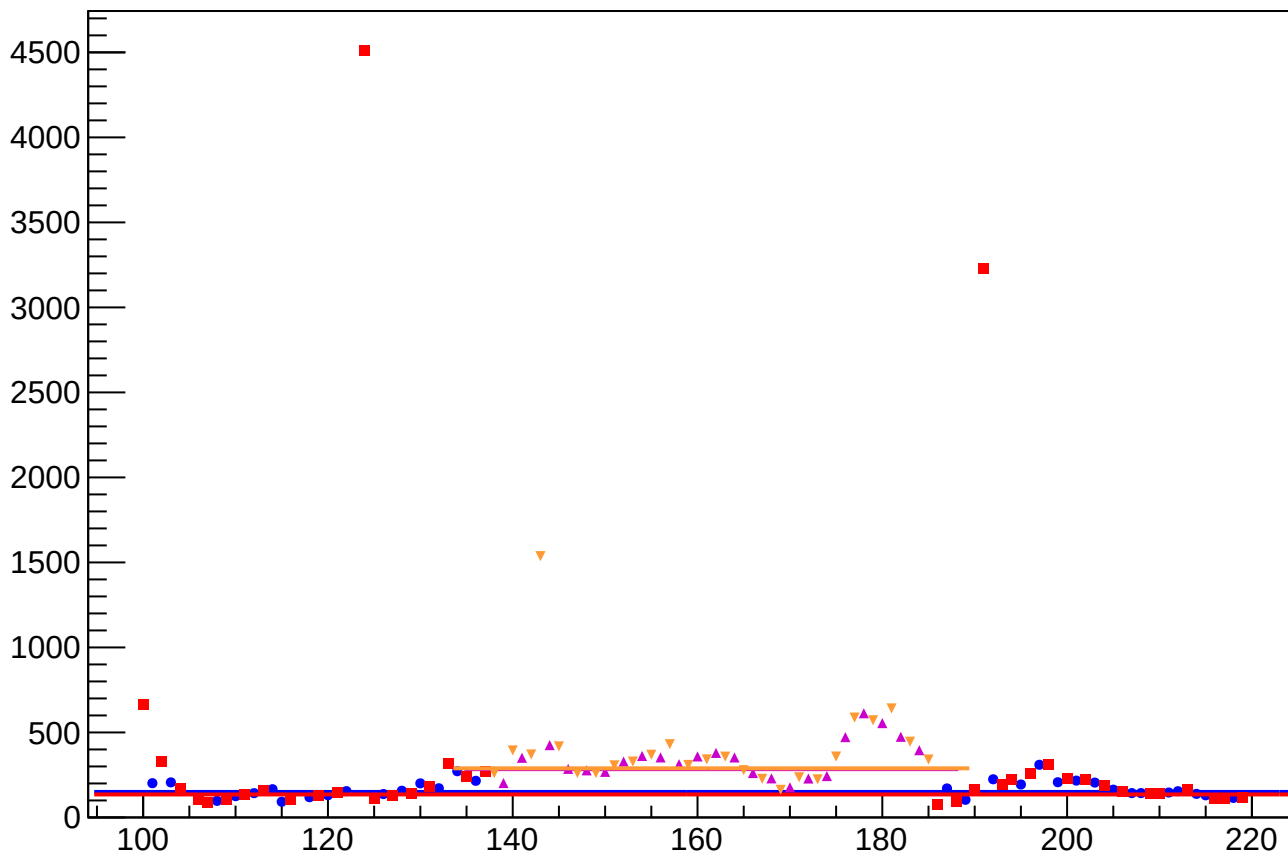
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.018 ± 0.032 χ^2/NDF : 60.7/56

All: 0.025 ± 0.021 χ^2/NDF : 131.8/116

- sign 0.030 ± 0.029 χ^2/NDF : 71.0/59

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 150.054 $\pm$ 0.025 χ^2 /NDF: 2533590.7/31

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648197.0/24

Right Out: 135.355 $\pm$ 0.023 χ^2 /NDF: 4934682.1/36

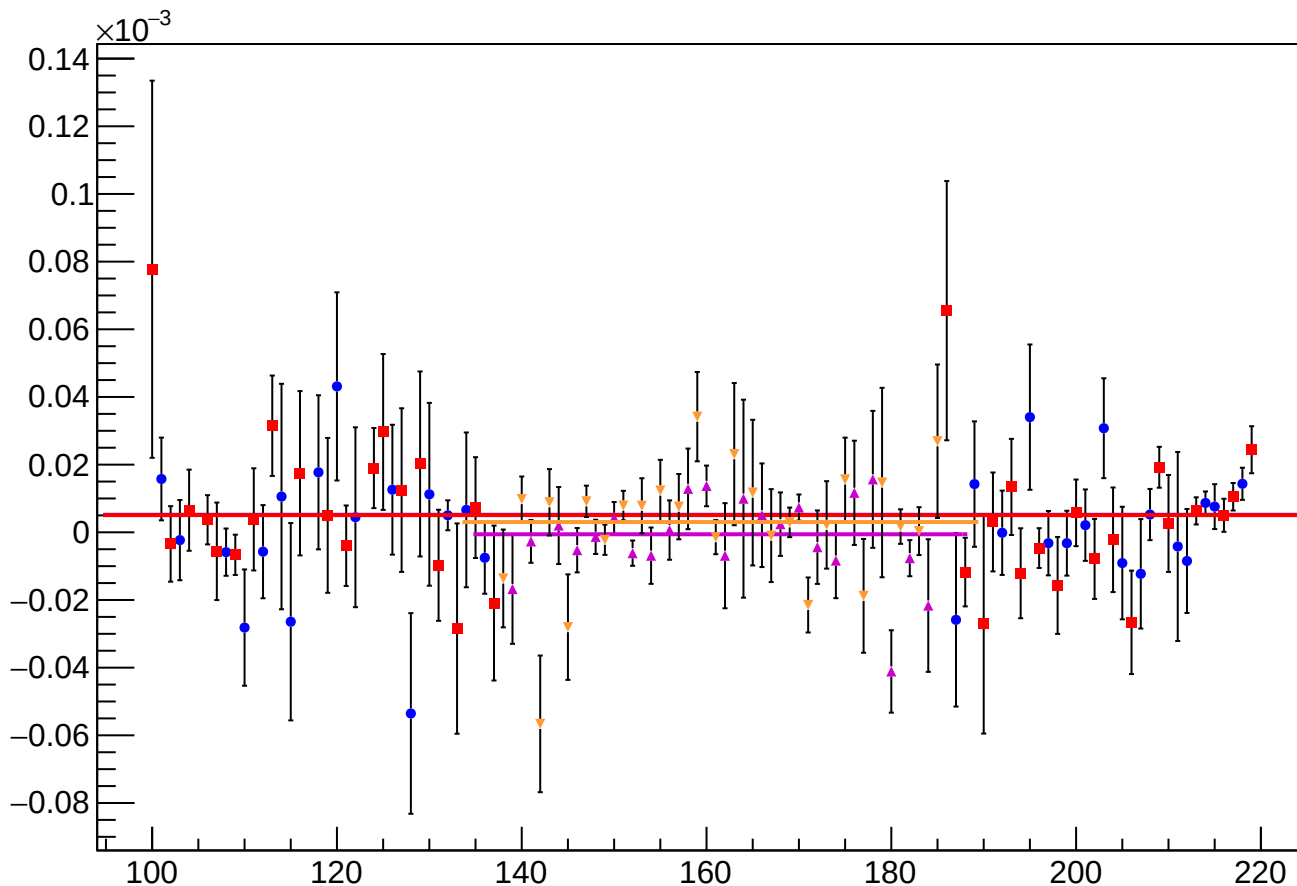
Left In: 284.168 $\pm$ 0.050 χ^2 /NDF: 3077521.1/22

+ sign 177.478 $\pm$ 0.022 χ^2 /NDF: 13318617.6/56

All: 168.587 $\pm$ 0.015 χ^2 /NDF: 29022789.5/1

- sign 160.971 $\pm$ 0.021 χ^2 /NDF: 15409459.6/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.0/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:42.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 51.0/36

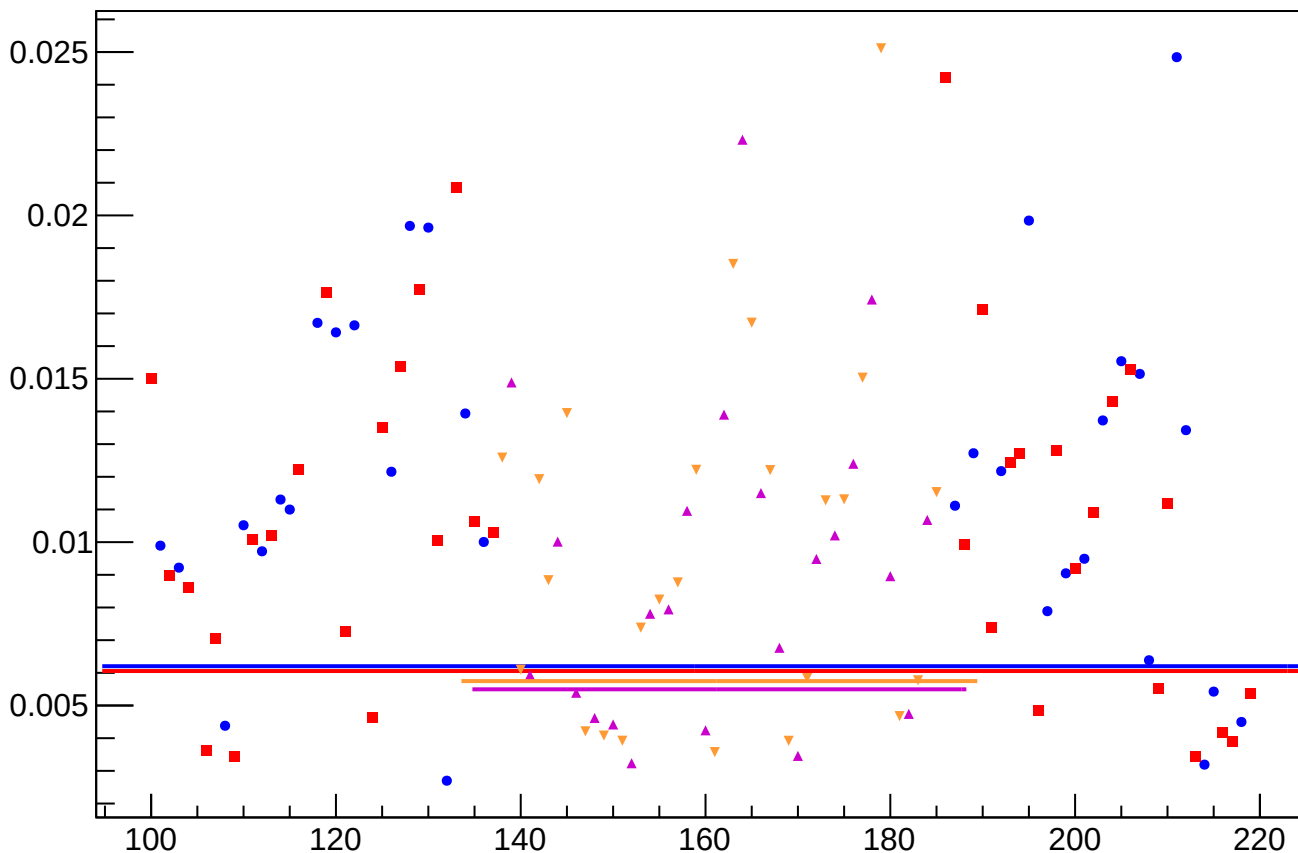
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:33.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 76.1/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 168.4/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 90.9/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 11616529.9/31

Left Out: 0.006+/-0.000 χ^2/NDF : 8128513.8/24

Right Out: 0.006+/-0.000 χ^2/NDF : 9867807.7/36

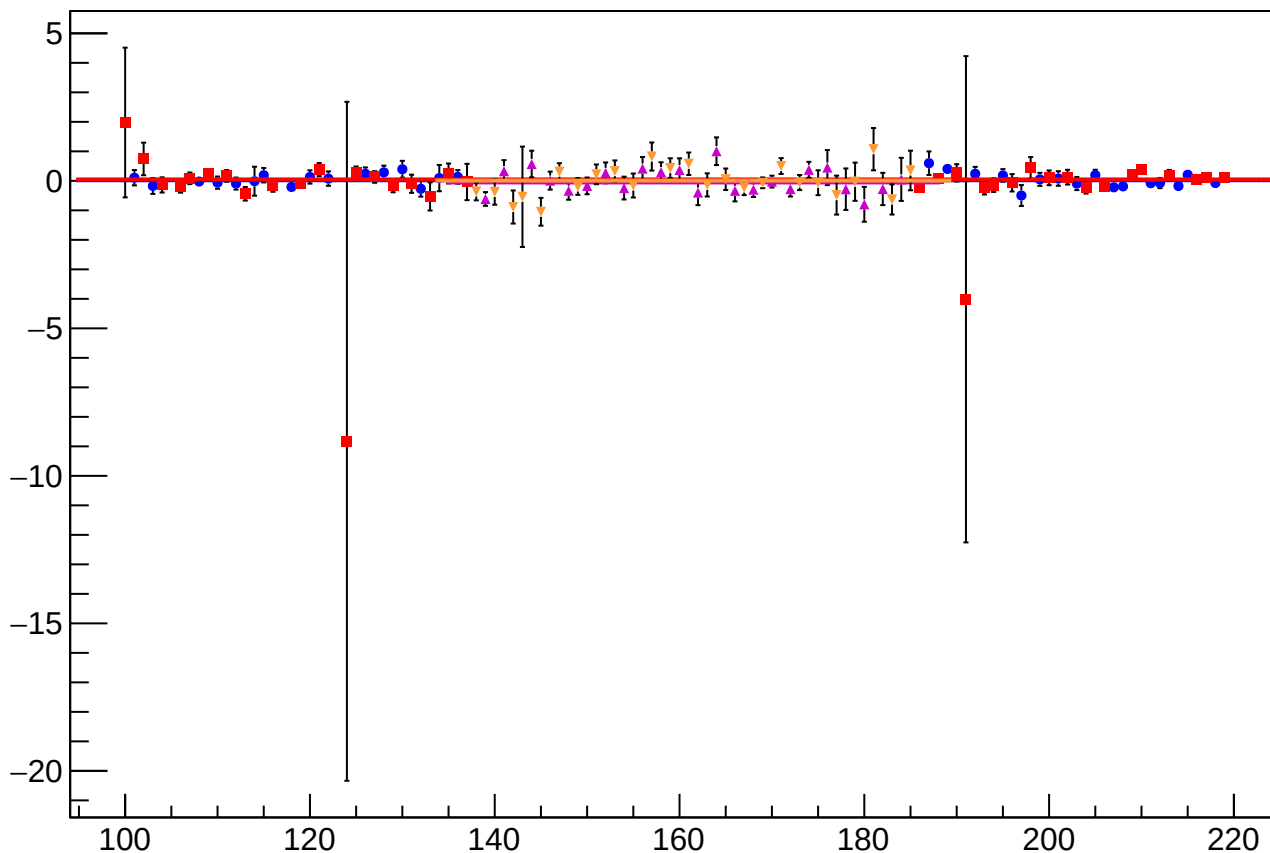
Left In: 0.005+/-0.000 χ^2/NDF : 6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF : 19825129.1/56

All: 0.006+/-0.000 χ^2/NDF : 36790283.9/116

- sign 0.006+/-0.000 χ^2/NDF : 16938126.0/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.021 ± 0.035 χ^2/NDF : 31.8/31

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.048 ± 0.032 χ^2/NDF : 41.6/36

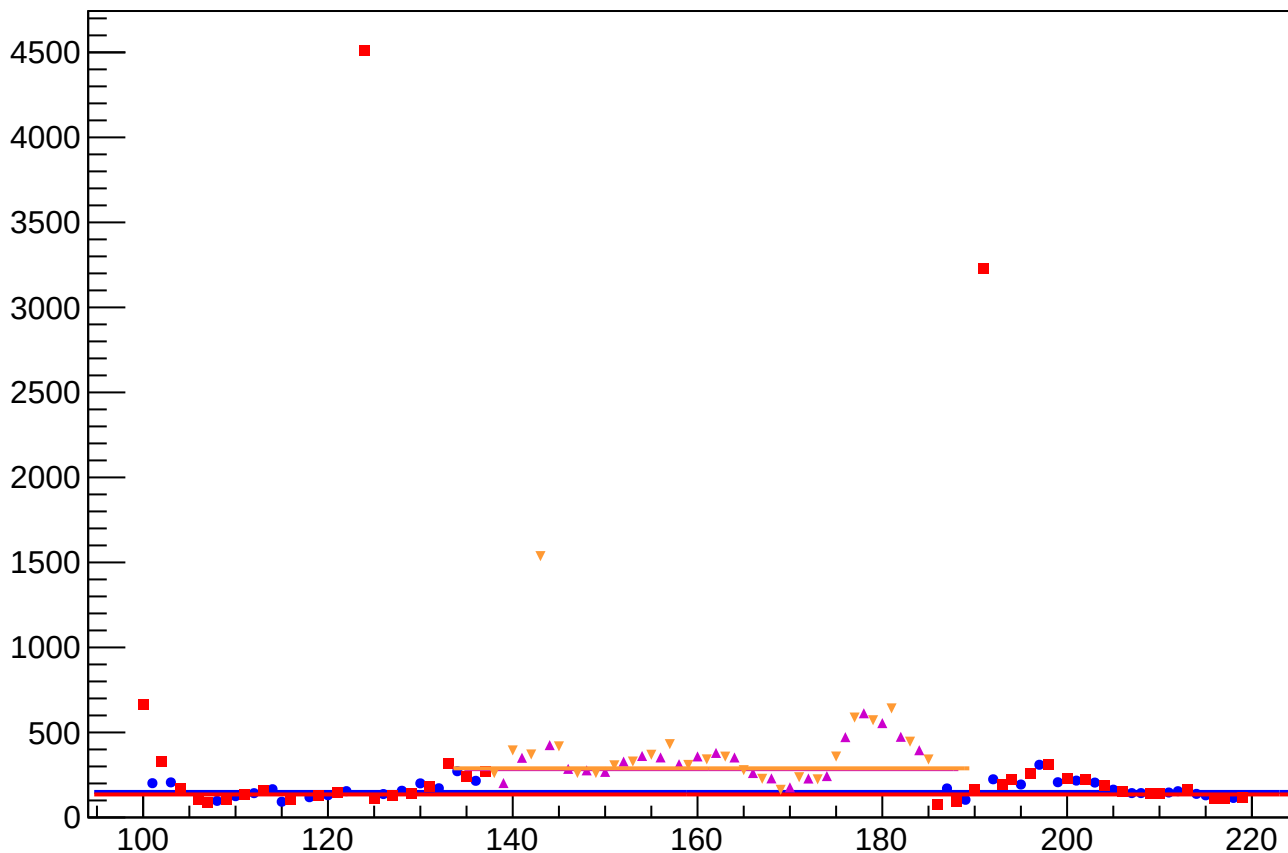
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.018 ± 0.032 χ^2/NDF : 60.7/56

All: 0.025 ± 0.021 χ^2/NDF : 131.8/116

- sign 0.030 ± 0.029 χ^2/NDF : 71.0/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 150.055+/-0.025 χ^2/NDF : 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF : 4934505.2/36

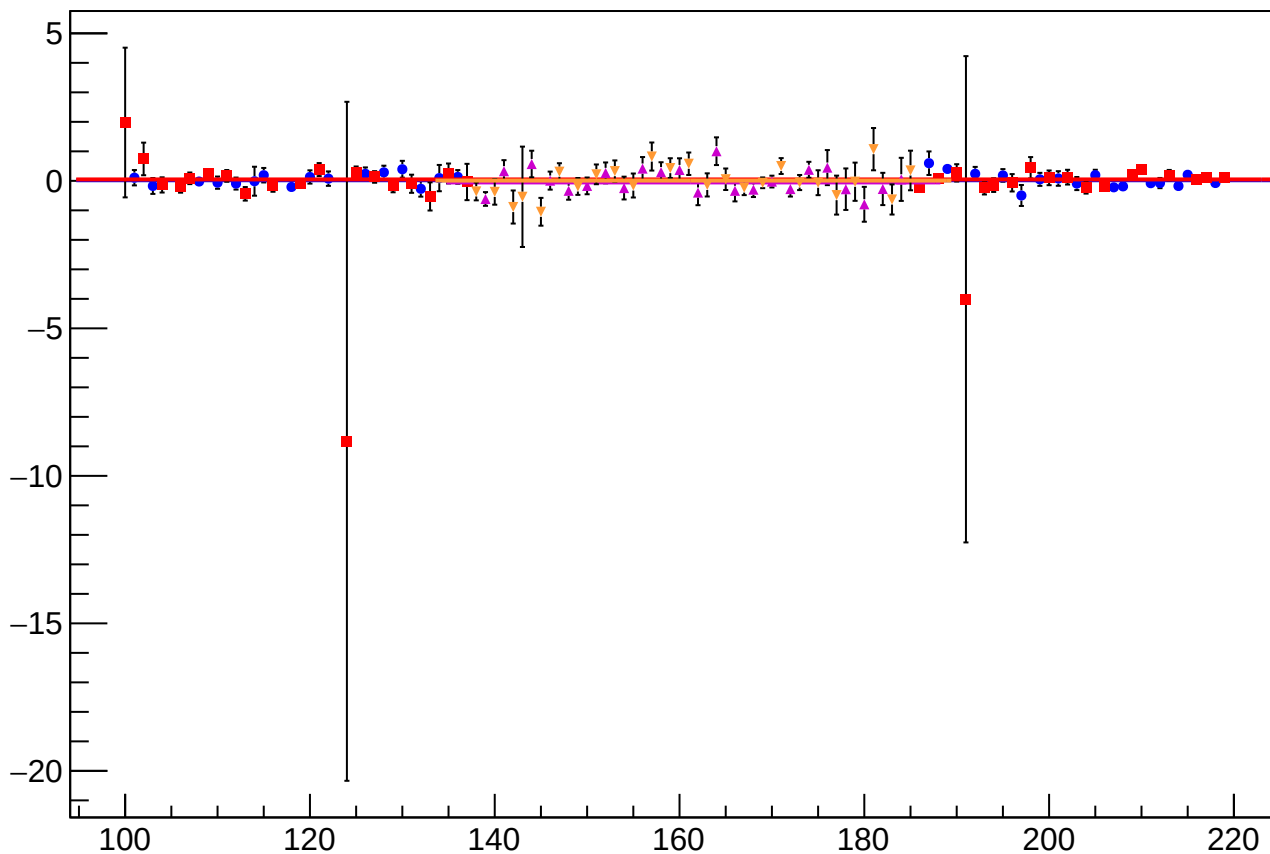
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 177.479+/-0.022 χ^2/NDF : 13318720.8/56

All: 168.589+/-0.015 χ^2/NDF : 29022619.8/1

- sign 160.973+/-0.021 χ^2/NDF : 15409243.8/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021 ± 0.035 χ^2/NDF : 31.8/31

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.048 ± 0.032 χ^2/NDF : 41.6/36

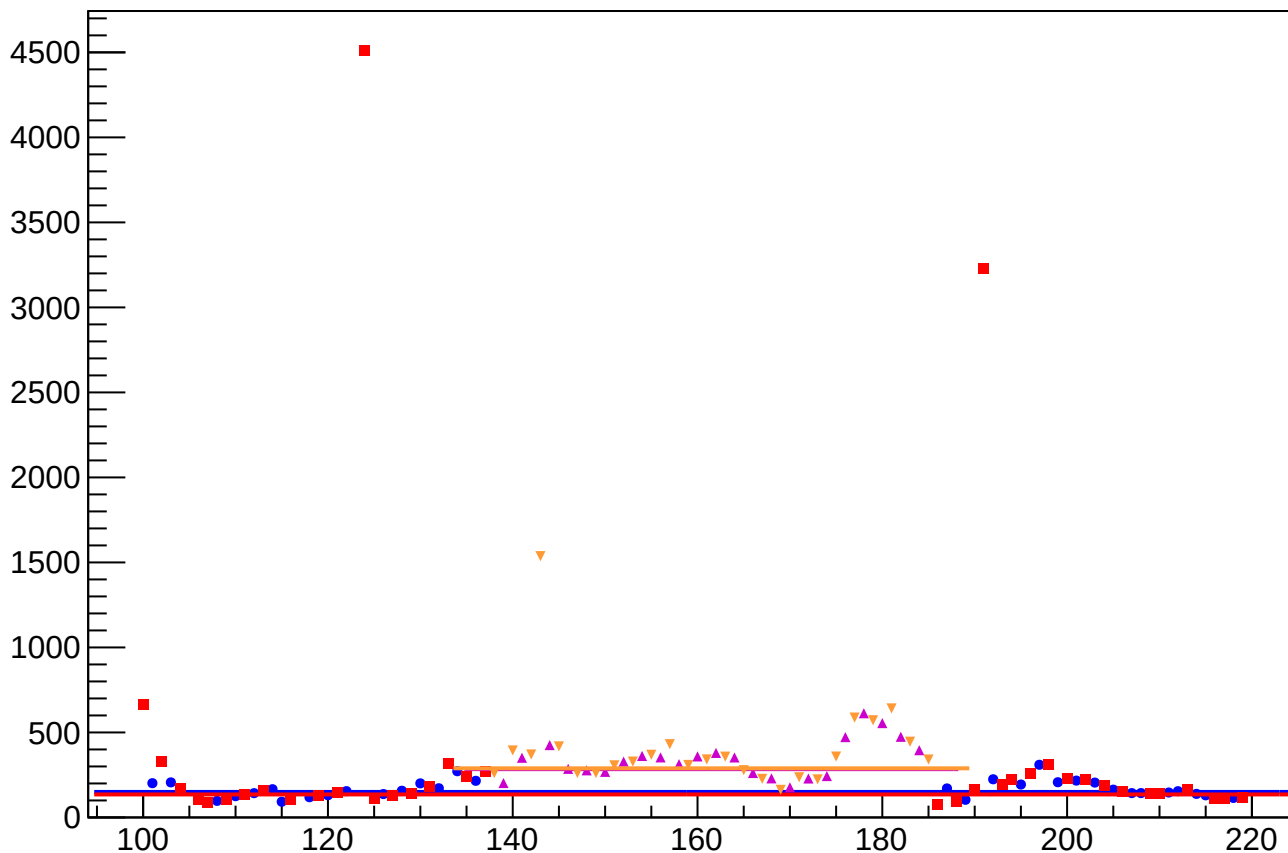
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.018 ± 0.032 χ^2/NDF : 60.7/56

All: 0.025 ± 0.021 χ^2/NDF : 131.8/116

- sign 0.030 ± 0.029 χ^2/NDF : 71.0/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 150.055+/-0.025 χ^2/NDF : 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF : 4934505.2/36

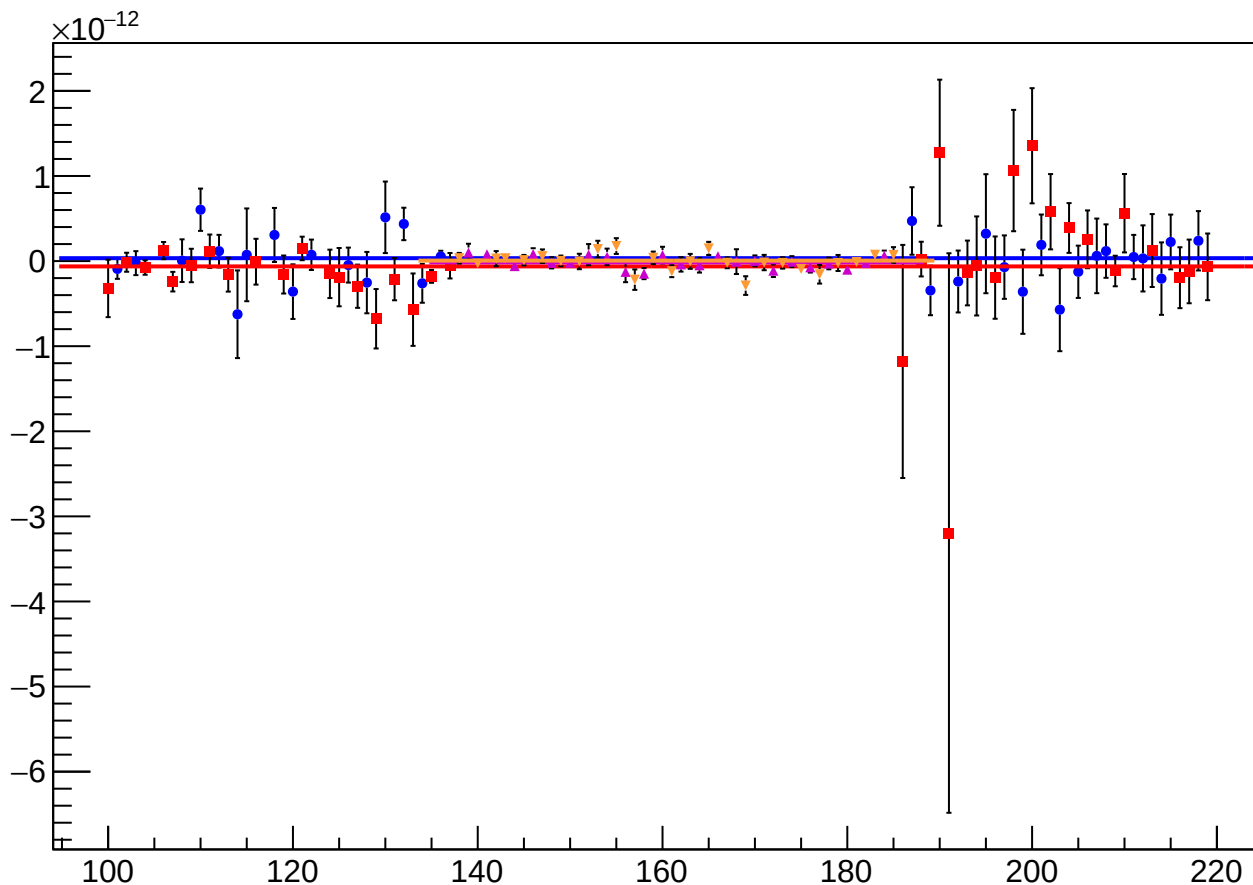
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 177.479+/-0.022 χ^2/NDF : 13318720.8/56

All: 168.589+/-0.015 χ^2/NDF : 29022619.8/1

- sign 160.973+/-0.021 χ^2/NDF : 15409243.8/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.5/36

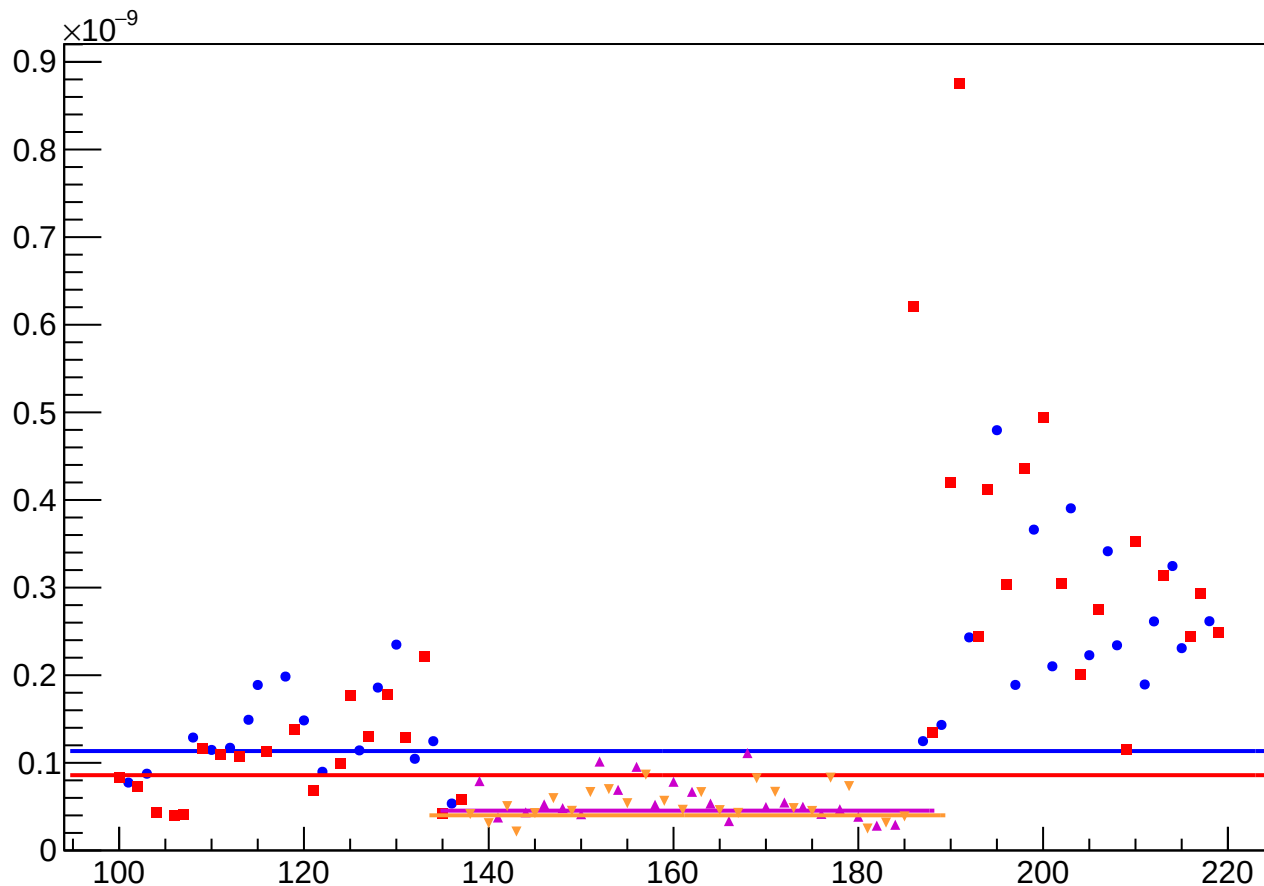
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:23.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.1/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 126.8/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.6/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7264038.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10373466.1/36

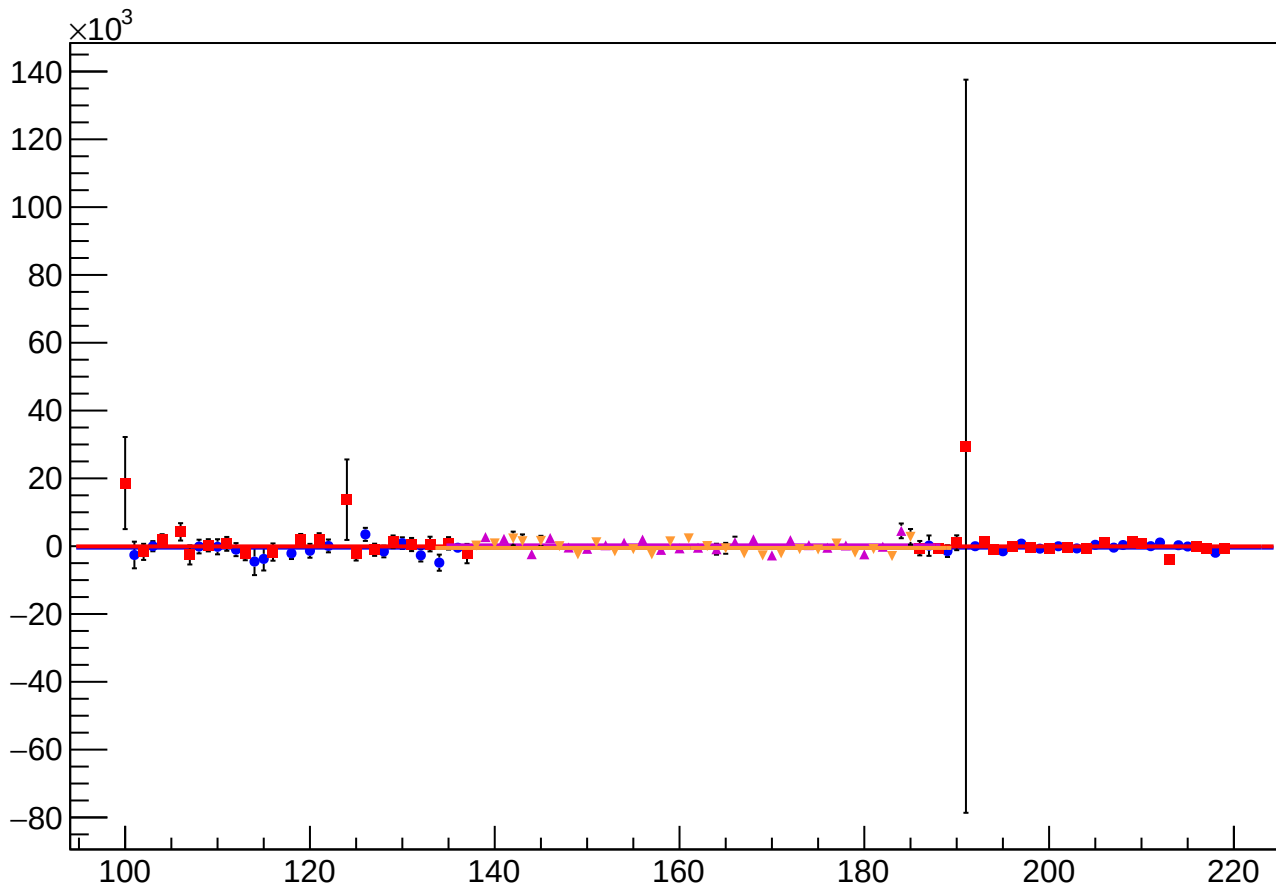
Left In: 0.000+/-0.000 χ^2/NDF : 2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 17416399.3/56

All: 0.000+/-0.000 χ^2/NDF : 33465162.9/116

- sign 0.000+/-0.000 χ^2/NDF : 15887395.3/59

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -430.866 ± 285.473 χ^2/NDF : 19.5/31

Left Out: -514.484 ± 285.945 χ^2/NDF : 30.9/24

Right Out: -60.765 ± 280.571 χ^2/NDF : 30.2/36

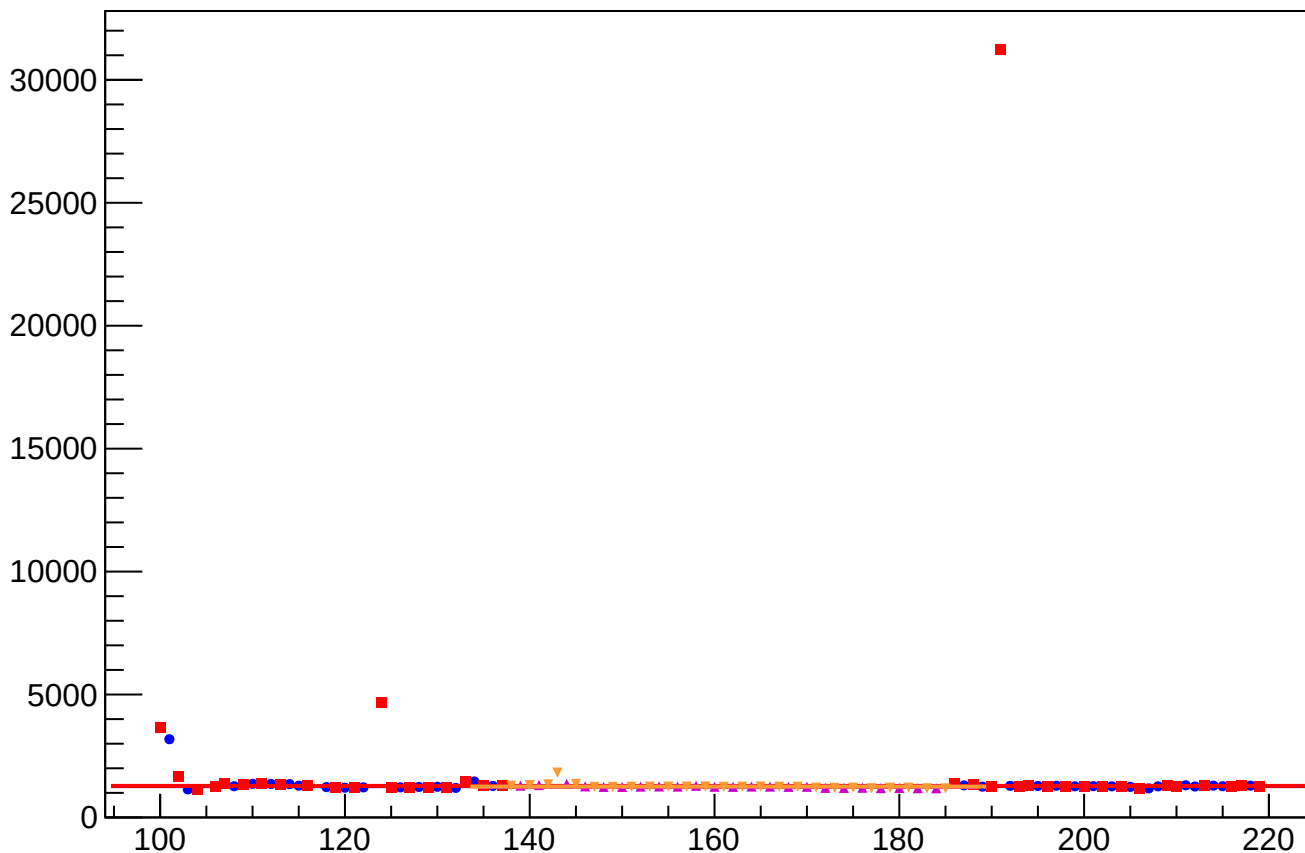
Left In: 242.686 ± 291.166 χ^2/NDF : 32.0/22

+ sign -472.606 ± 202.027 χ^2/NDF : 50.5/56

All: -193.646 ± 142.858 χ^2/NDF : 117.1/116

- sign 85.339 ± 202.036 χ^2/NDF : 62.8/59

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1274.165+/-0.202 χ^2/NDF : 534525.6/31

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.1/24

Right Out: 1282.870+/-0.198 χ^2/NDF : 508745.8/36

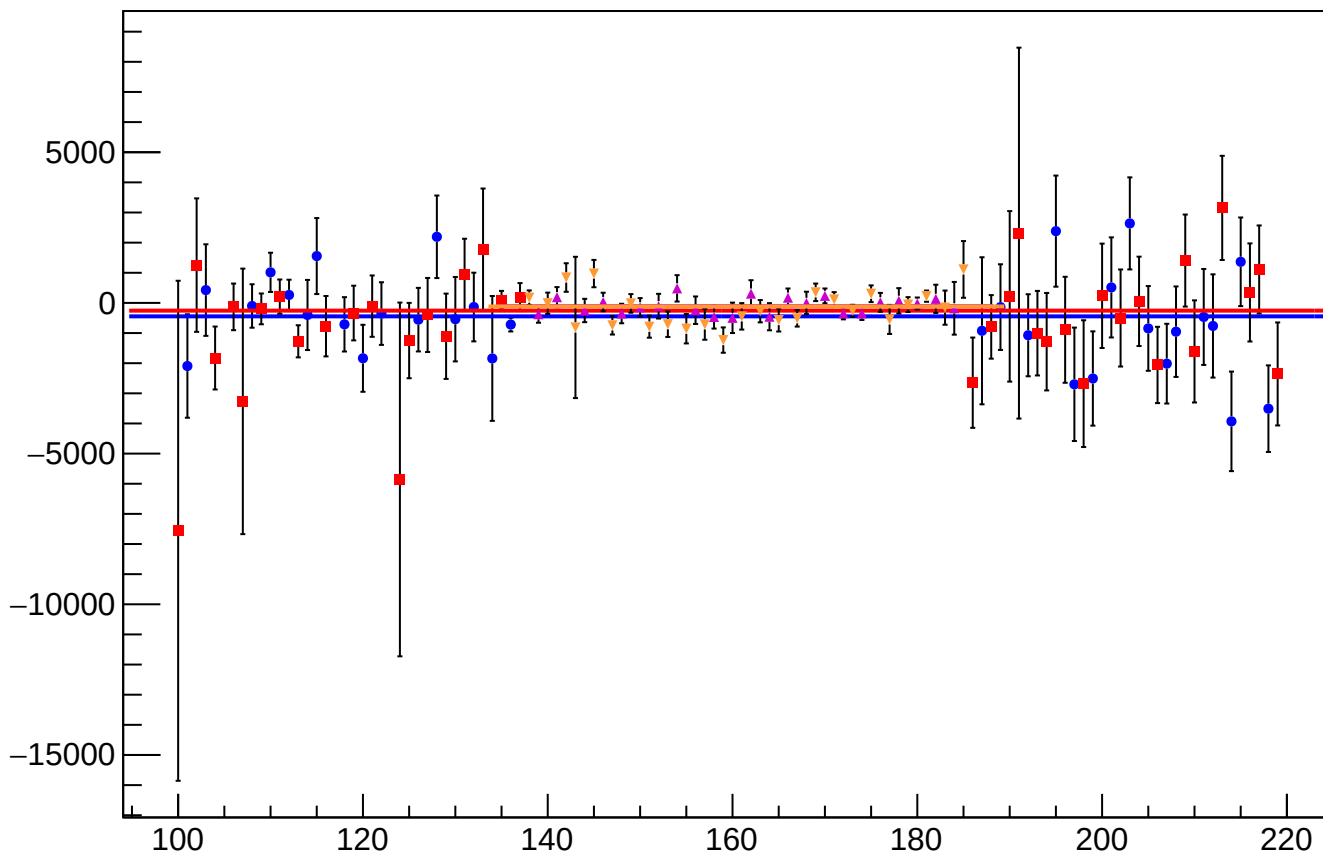
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1264.855+/-0.143 χ^2/NDF : 741911.0/56

All: 1265.072+/-0.101 χ^2/NDF : 1306829.5/11

- sign 1265.289+/-0.143 χ^2/NDF : 564914.0/59

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug



Right In: -446.156 $\pm$ 154.498 χ^2 /NDF: 40.7/31

Left Out: -117.028 $\pm$ 65.059 χ^2 /NDF: 48.4/24

Right Out: -256.088 $\pm$ 154.653 χ^2 /NDF: 30.4/36

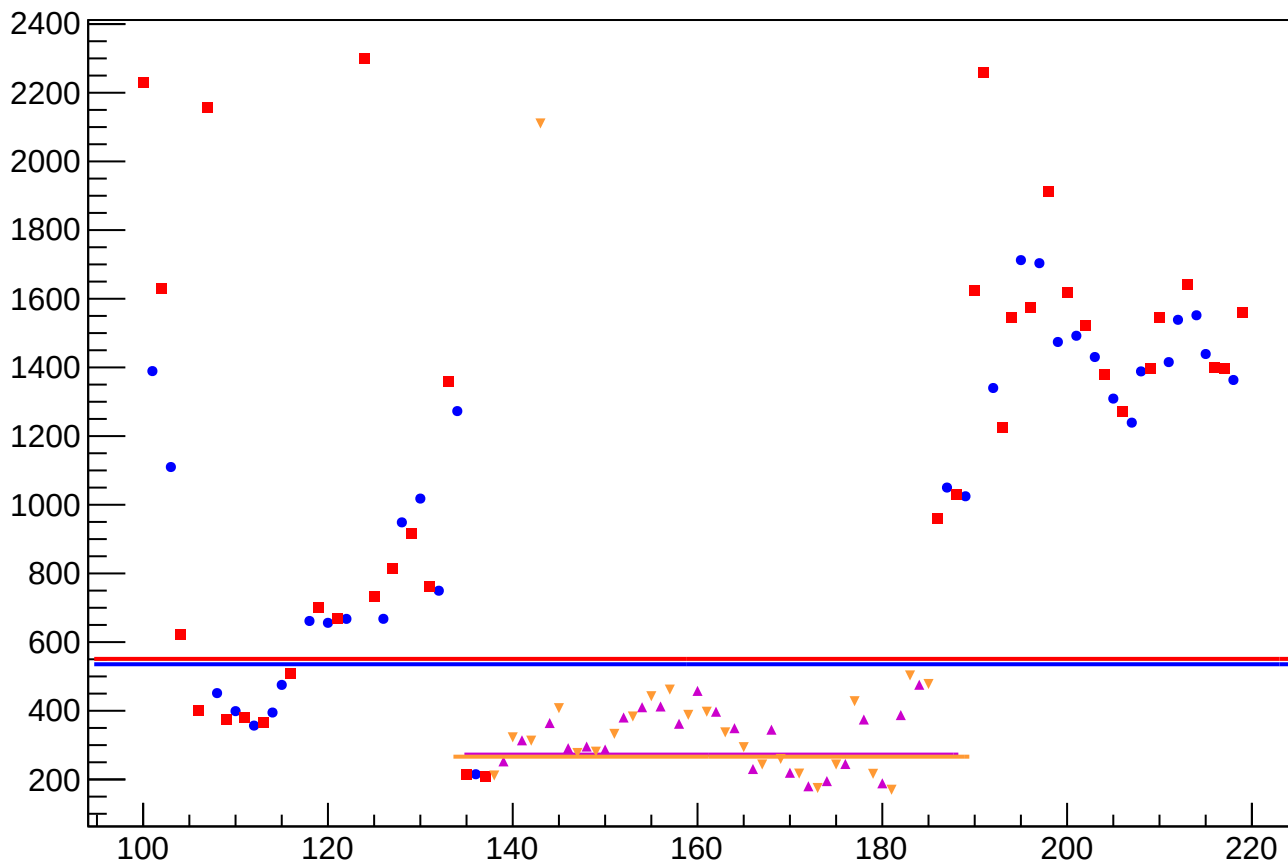
Left In: -107.341 $\pm$ 67.001 χ^2 /NDF: 13.7/22

+ sign -166.600 $\pm$ 59.960 χ^2 /NDF: 93.0/56

All: -149.171 $\pm$ 42.925 χ^2 /NDF: 138.1/116

- sign -130.848 $\pm$ 61.479 χ^2 /NDF: 44.9/59

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 535.490 $\pm$ 0.109 χ^2 /NDF: 15940026.7/31

Left Out: 266.321 $\pm$ 0.046 χ^2 /NDF: 4630130.4/24

Right Out: 551.143 $\pm$ 0.109 χ^2 /NDF: 16516225.8/36

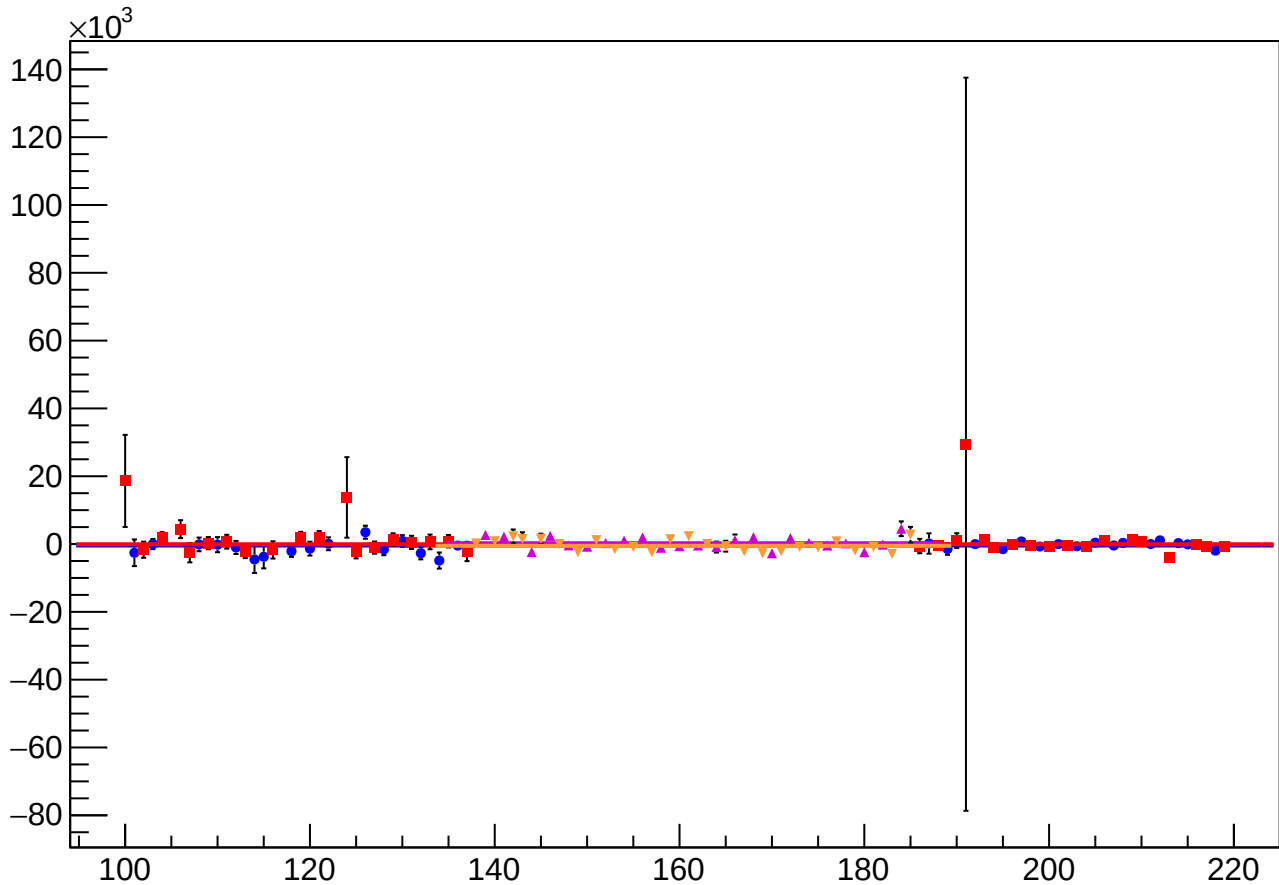
Left In: 272.368 $\pm$ 0.047 χ^2 /NDF: 2887823.5/22

+ sign 306.862 $\pm$ 0.042 χ^2 /NDF: 25726441.6/56

All: 311.523 $\pm$ 0.030 χ^2 /NDF: 50626958.5/11

- sign 316.423 $\pm$ 0.043 χ^2 /NDF: 24875725.5/59

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -430.733 ± 285.473 χ^2/NDF : 19.5/31

Left Out: -514.430 ± 285.945 χ^2/NDF : 30.9/24

Right Out: -61.914 ± 280.672 χ^2/NDF : 30.3/36

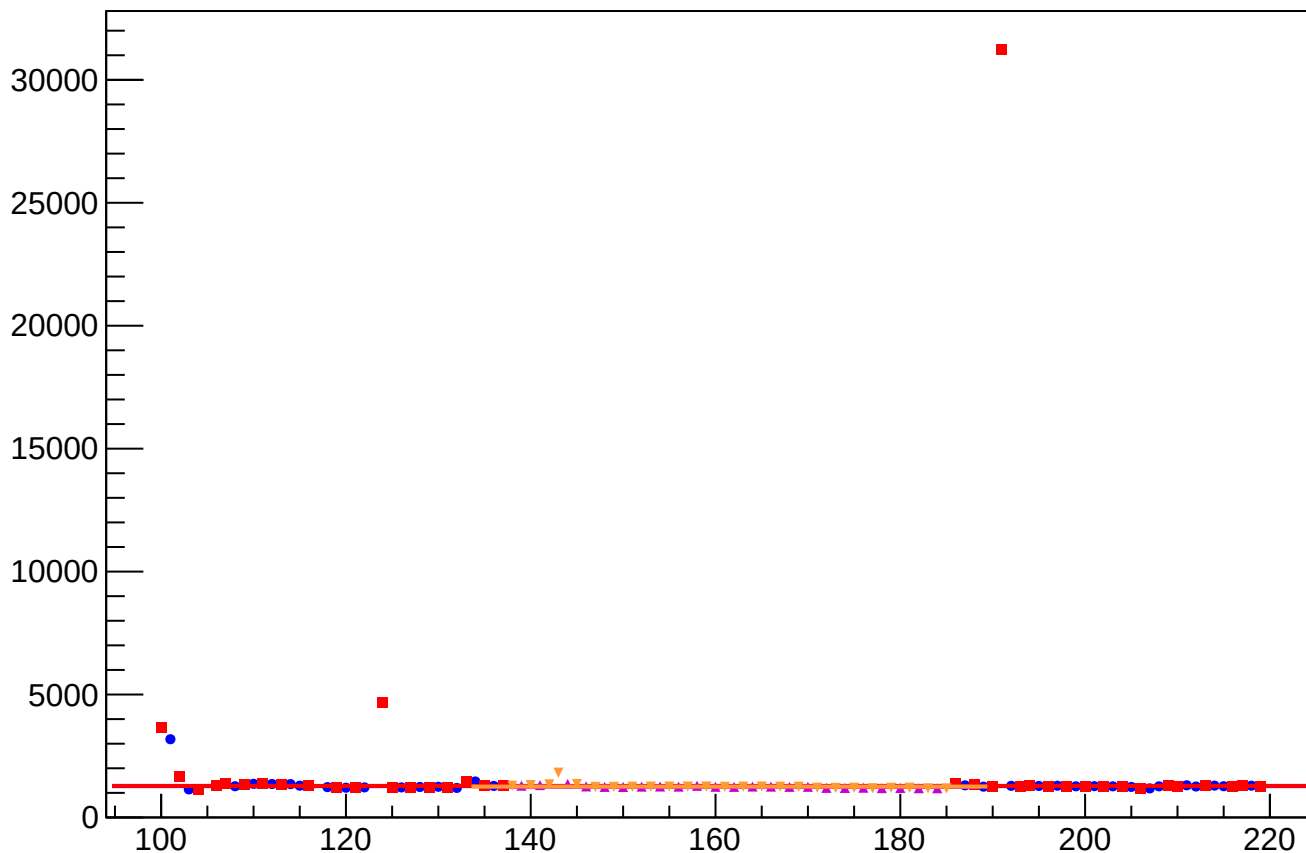
Left In: 242.663 ± 291.166 χ^2/NDF : 32.0/22

+ sign -472.512 ± 202.027 χ^2/NDF : 50.5/56

All: -193.927 ± 142.871 χ^2/NDF : 117.2/116

- sign 84.786 ± 202.073 χ^2/NDF : 62.9/59

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1274.165+/-0.202 χ^2/NDF : 534527.0/31

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.0/24

Right Out: 1283.344+/-0.198 χ^2/NDF : 508747.4/36

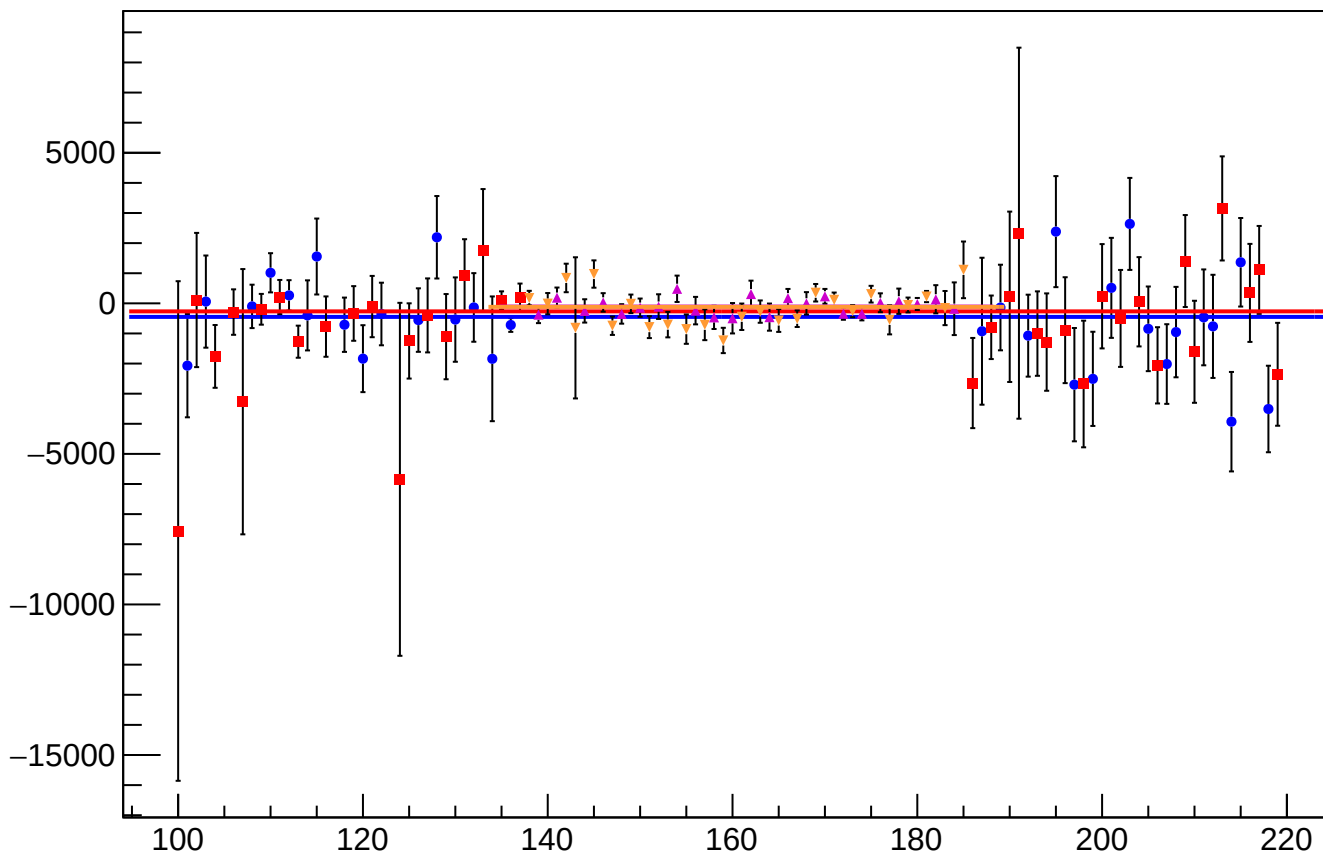
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1264.855+/-0.143 χ^2/NDF : 741912.3/56

All: 1265.191+/-0.101 χ^2/NDF : 1307259.2/111

- sign 1265.528+/-0.143 χ^2/NDF : 565335.8/59

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug



Right In: -449.933 ± 154.514 χ^2/NDF : 40.5/31

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -266.937 ± 154.502 χ^2/NDF : 29.7/36

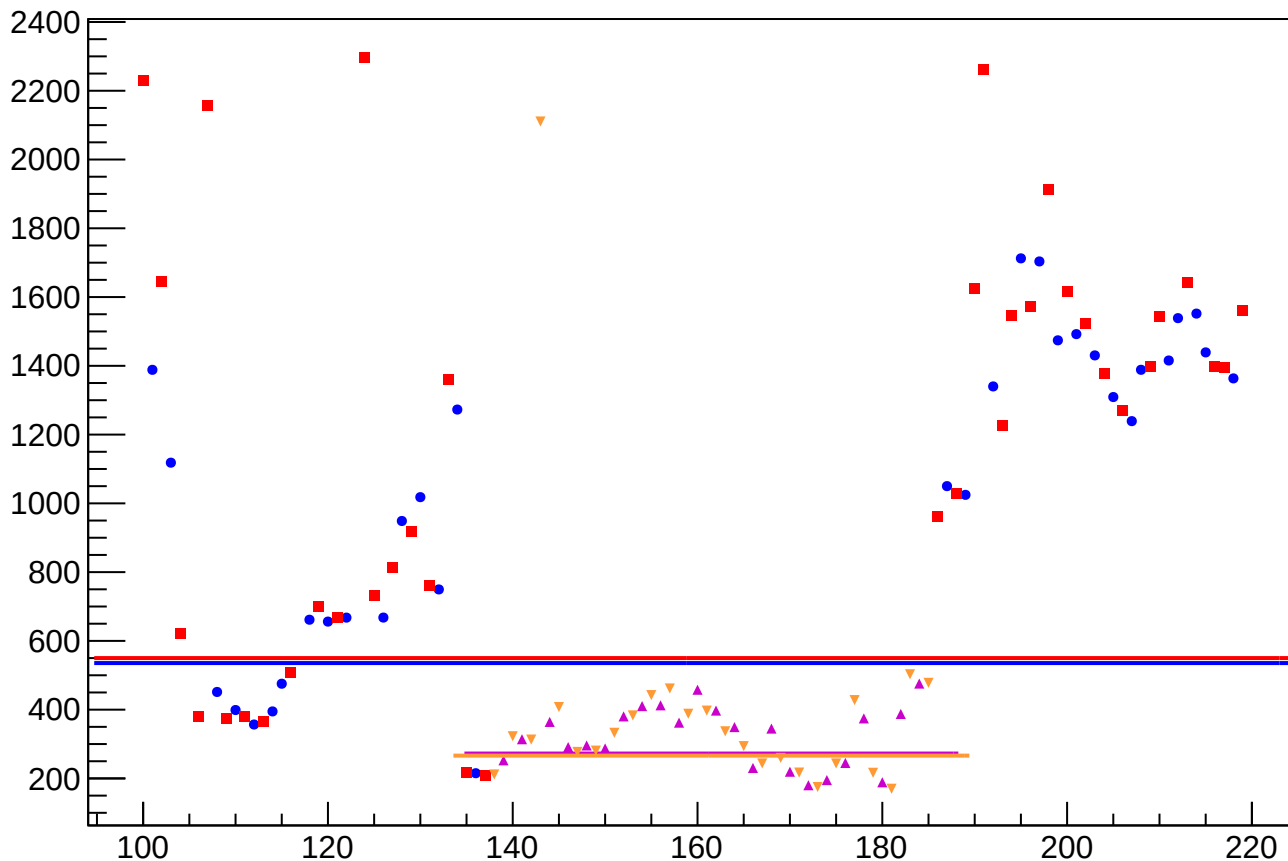
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -167.140 ± 59.962 χ^2/NDF : 92.9/56

All: -150.350 ± 42.923 χ^2/NDF : 137.4/116

- sign -132.704 ± 61.471 χ^2/NDF : 44.3/59

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 535.514 $\pm$ 0.109 χ^2 /NDF: 15942969.3/31

Left Out: 266.326 $\pm$ 0.046 χ^2 /NDF: 4630167.4/24

Right Out: 550.035 $\pm$ 0.109 χ^2 /NDF: 16548407.9/36

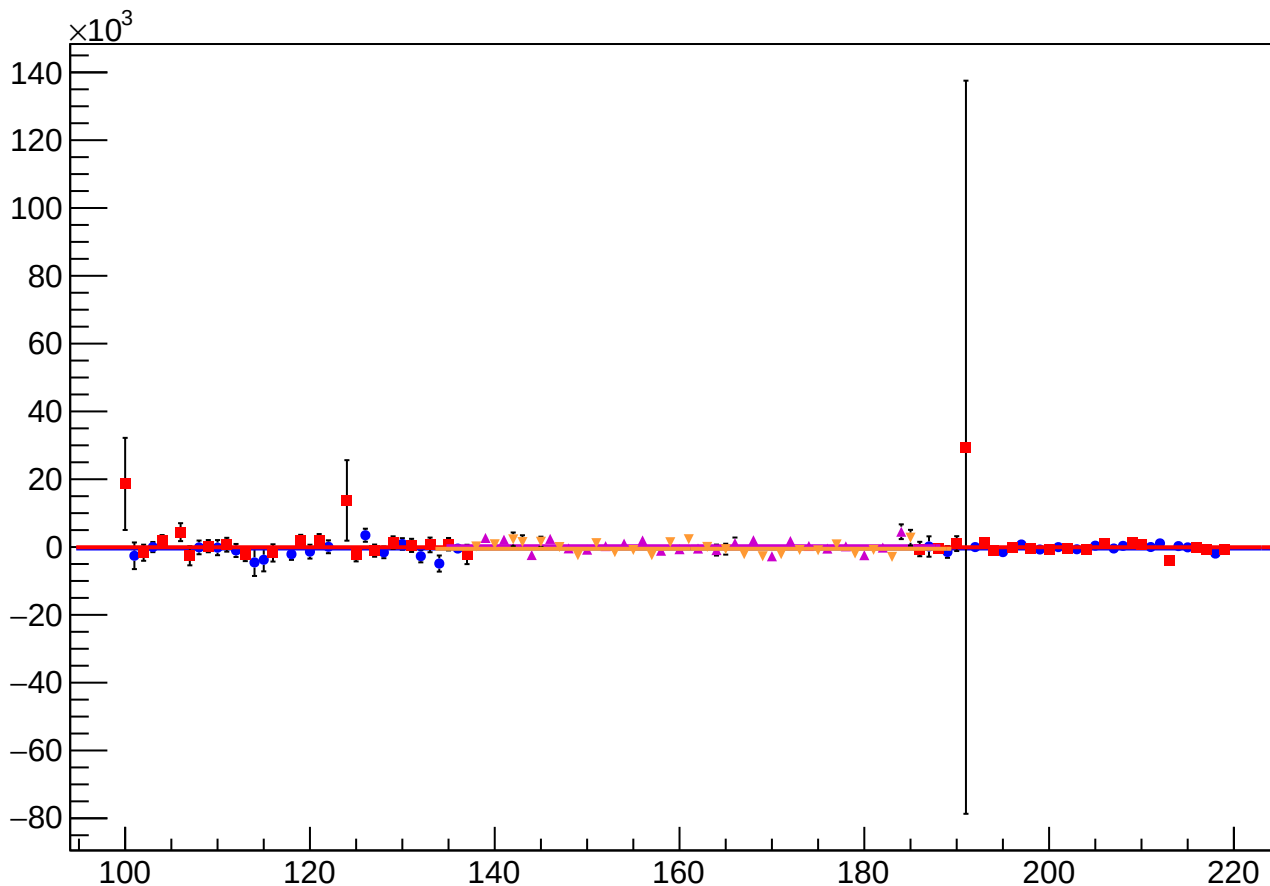
Left In: 272.378 $\pm$ 0.047 χ^2 /NDF: 2887597.1/22

+ sign 306.865 $\pm$ 0.042 χ^2 /NDF: 25729220.7/56

All: 311.480 $\pm$ 0.030 χ^2 /NDF: 50626260.8/11

- sign 316.330 $\pm$ 0.043 χ^2 /NDF: 24872741.4/59

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -430.733+/-285.473 χ^2/NDF : 19.5/31

Left Out: -514.430+/-285.945 χ^2/NDF : 30.9/24

Right Out: -61.914+/-280.672 χ^2/NDF : 30.3/36

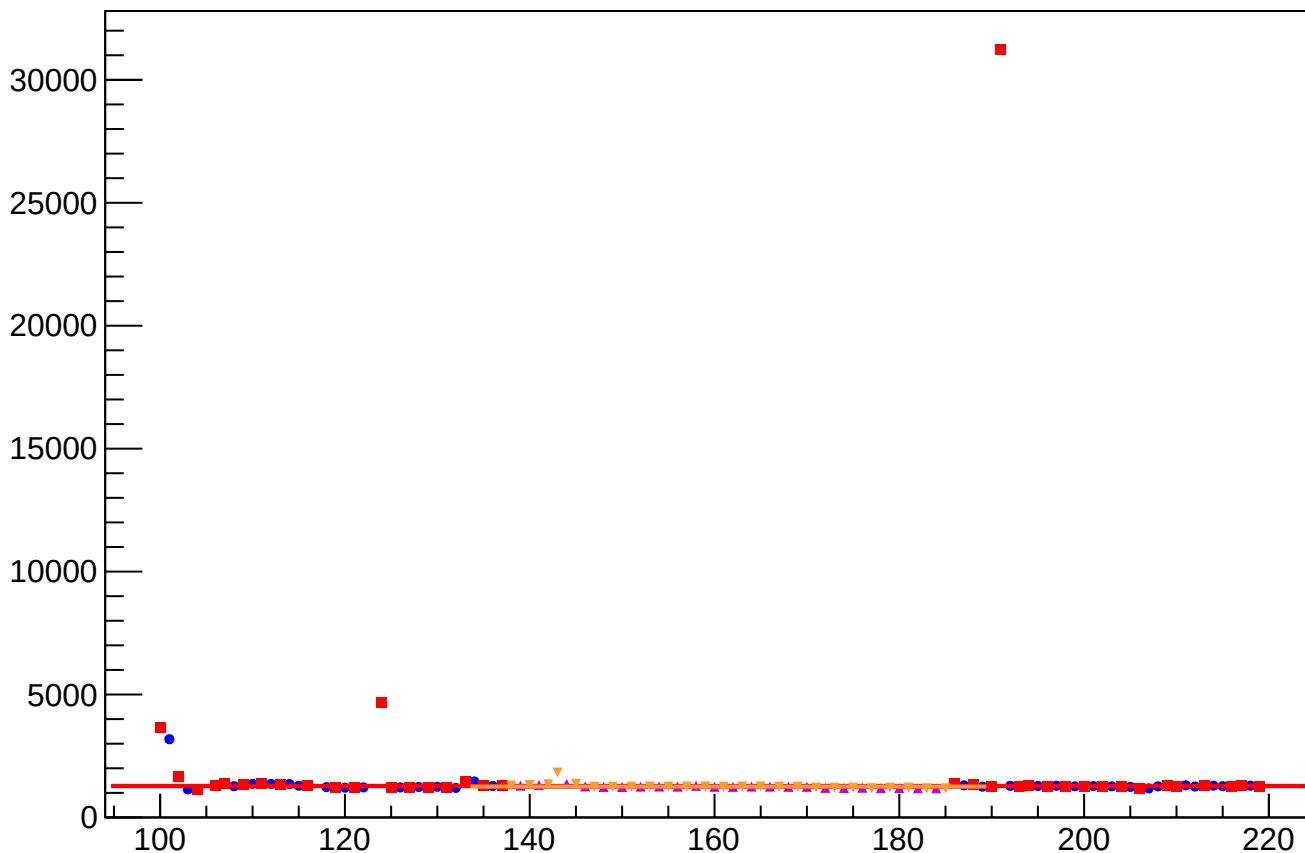
Left In: 242.663+/-291.166 χ^2/NDF : 32.0/22

+ sign -472.512+/-202.027 χ^2/NDF : 50.5/56

All: -193.927+/-142.871 χ^2/NDF : 117.2/116

- sign 84.786+/-202.073 χ^2/NDF : 62.9/59

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1274.165+/-0.202 χ^2/NDF : 534527.0/31

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.0/24

Right Out: 1283.344+/-0.198 χ^2/NDF : 508747.4/36

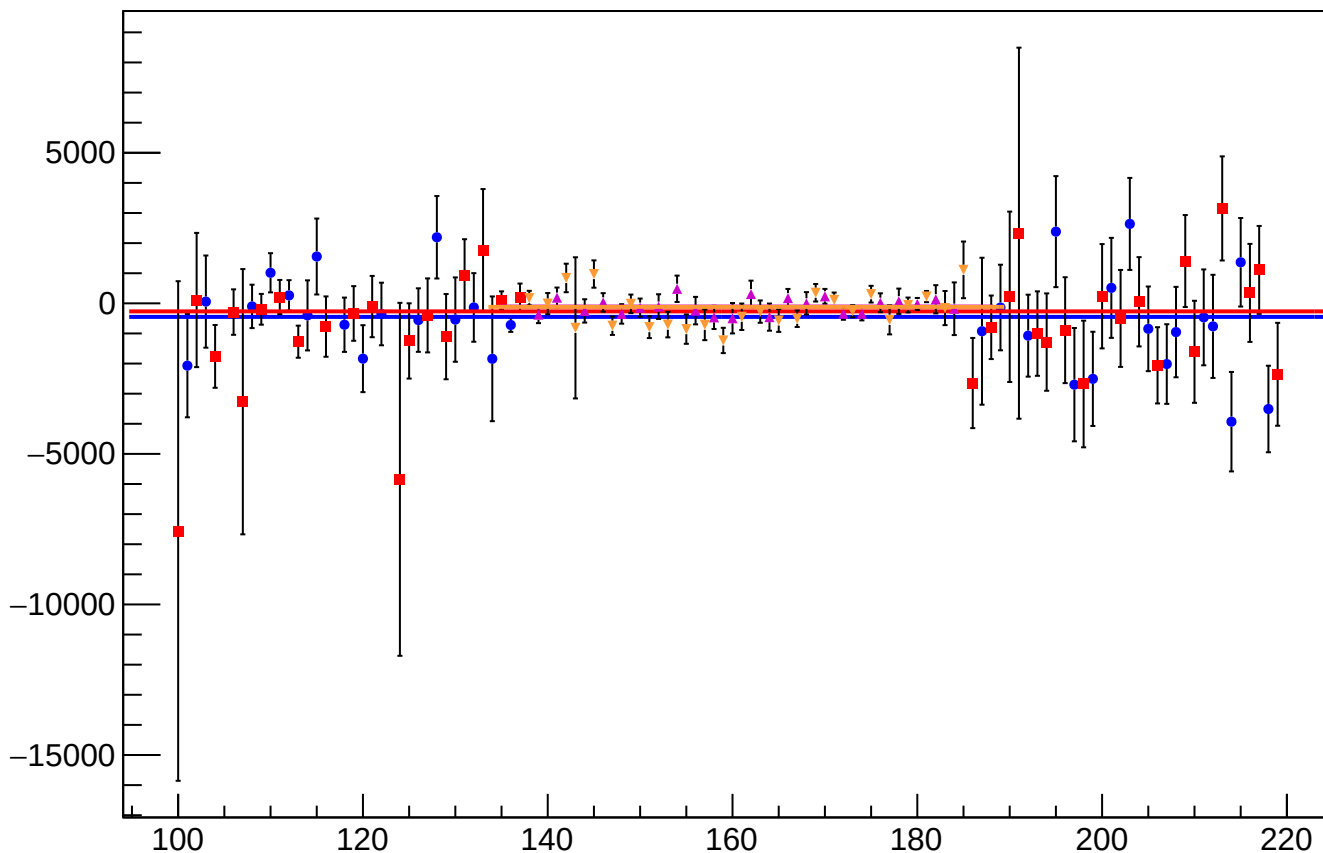
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1264.855+/-0.143 χ^2/NDF : 741912.3/56

All: 1265.191+/-0.101 χ^2/NDF : 1307259.2/111

- sign 1265.528+/-0.143 χ^2/NDF : 565335.8/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -449.933 ± 154.514 χ^2/NDF : 40.5/31

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -266.937 ± 154.502 χ^2/NDF : 29.7/36

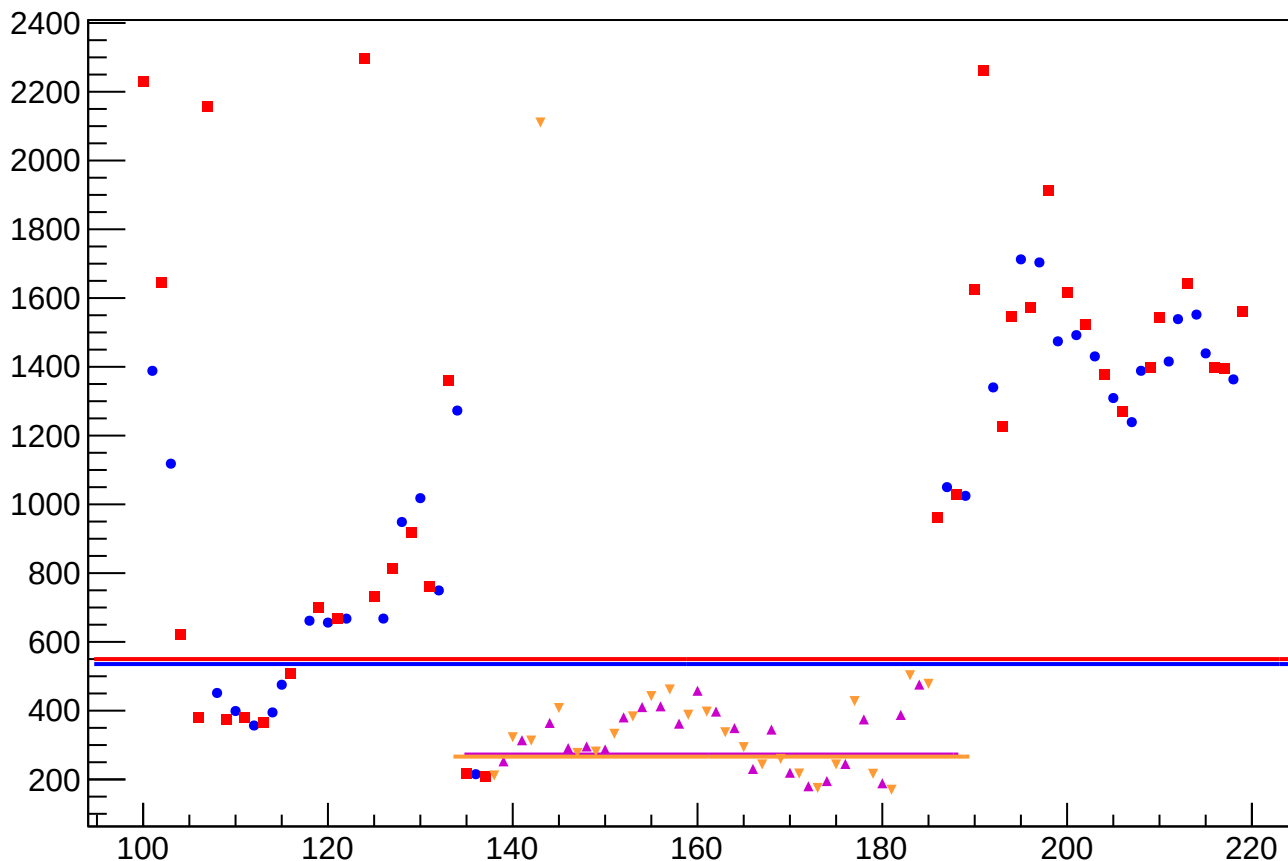
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -167.140 ± 59.962 χ^2/NDF : 92.9/56

All: -150.350 ± 42.923 χ^2/NDF : 137.4/116

- sign -132.704 ± 61.471 χ^2/NDF : 44.3/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 535.514 $\pm$ 0.109 χ^2/NDF : 15942969.3/31

Left Out: 266.326 $\pm$ 0.046 χ^2/NDF : 4630167.4/24

Right Out: 550.035 $\pm$ 0.109 χ^2/NDF : 16548407.9/36

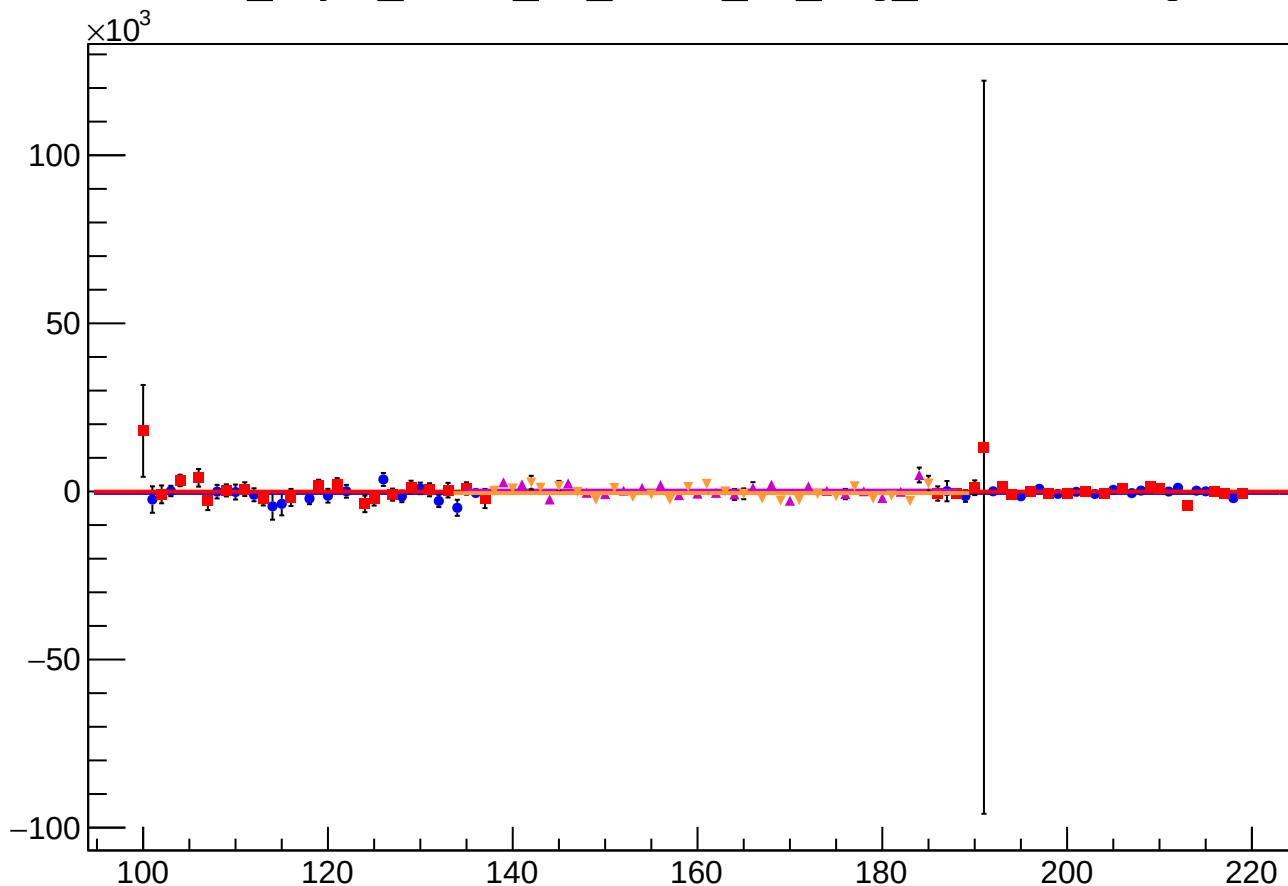
Left In: 272.378 $\pm$ 0.047 χ^2/NDF : 2887597.1/22

+ sign 306.865 $\pm$ 0.042 χ^2/NDF : 25729220.7/56

All: 311.480 $\pm$ 0.030 χ^2/NDF : 50626260.8/11

- sign 316.330 $\pm$ 0.043 χ^2/NDF : 24872741.4/59

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -425.123 ± 286.211 χ^2/NDF : 19.6/31

Left Out: -493.436 ± 282.734 χ^2/NDF : 34.2/24

Right Out: -62.295 ± 280.261 χ^2/NDF : 32.2/36

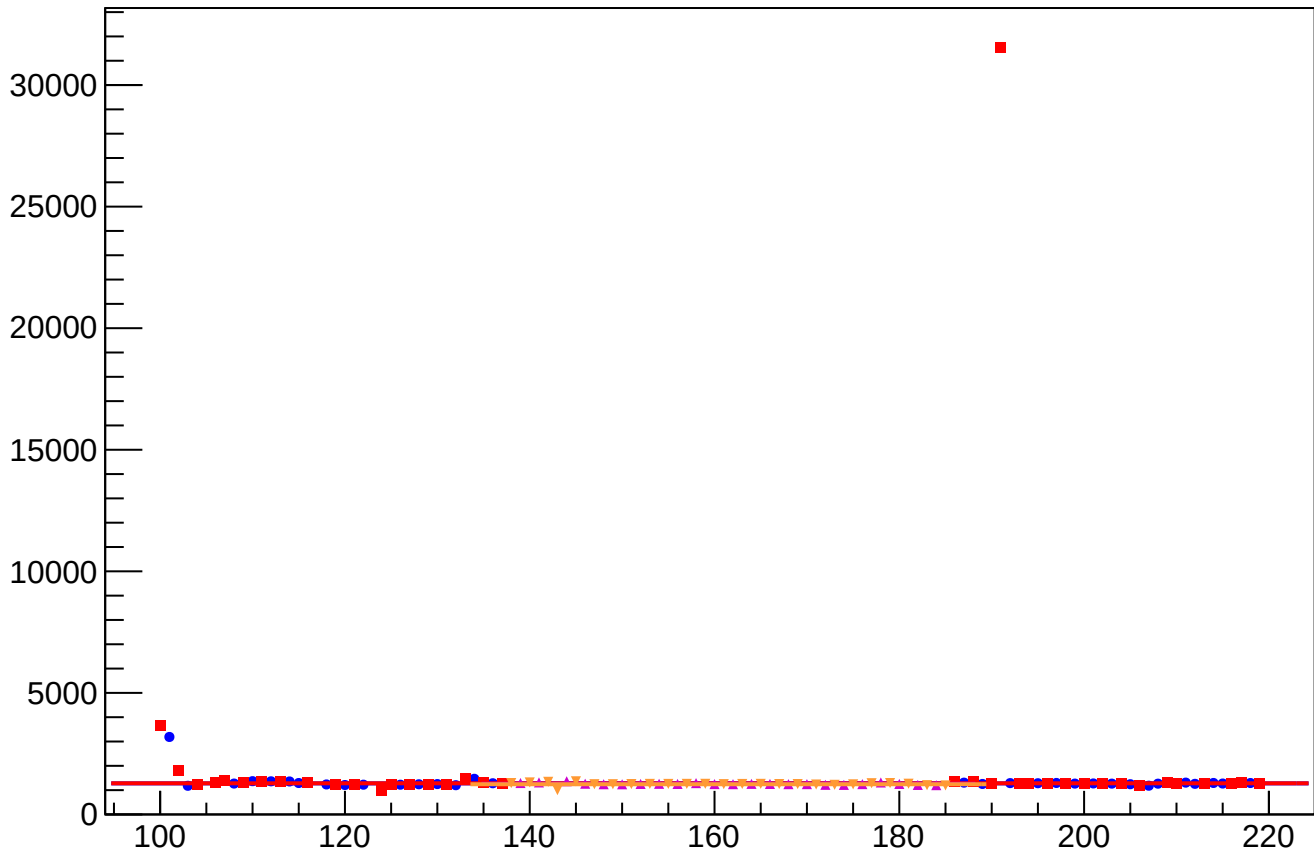
Left In: 242.004 ± 294.339 χ^2/NDF : 30.7/22

+ sign -459.697 ± 201.141 χ^2/NDF : 53.8/56

All: -191.099 ± 142.870 χ^2/NDF : 120.8/116

- sign 82.403 ± 202.969 χ^2/NDF : 63.4/59

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1277.529 $\pm$ 0.202 χ^2 /NDF: 527045.1/31

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF: 130023.1/24

Right Out: 1281.524 $\pm$ 0.198 χ^2 /NDF: 389060.8/36

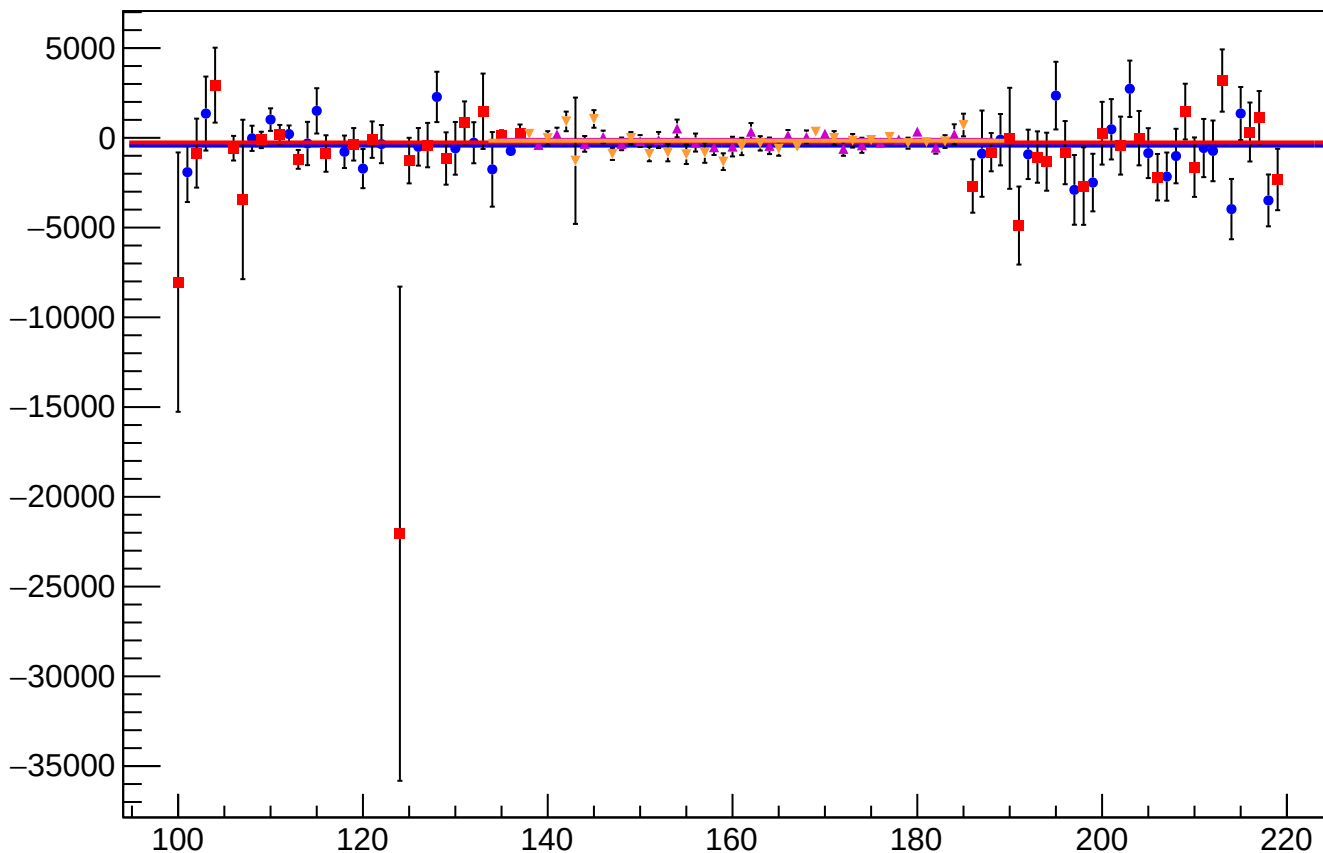
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF: 27932.1/22

+ sign 1259.820 $\pm$ 0.142 χ^2 /NDF: 672196.1/56

All: 1265.525 $\pm$ 0.101 χ^2 /NDF: 1097996.4/111

- sign 1271.334 $\pm$ 0.144 χ^2 /NDF: 422553.5/59

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug



Right In: -433.713 ± 156.119 $\chi^2/\text{NDF}: 41.0/31$

Left Out: -160.930 ± 64.133 $\chi^2/\text{NDF}: 43.8/24$

Right Out: -257.785 ± 154.587 $\chi^2/\text{NDF}: 36.5/36$

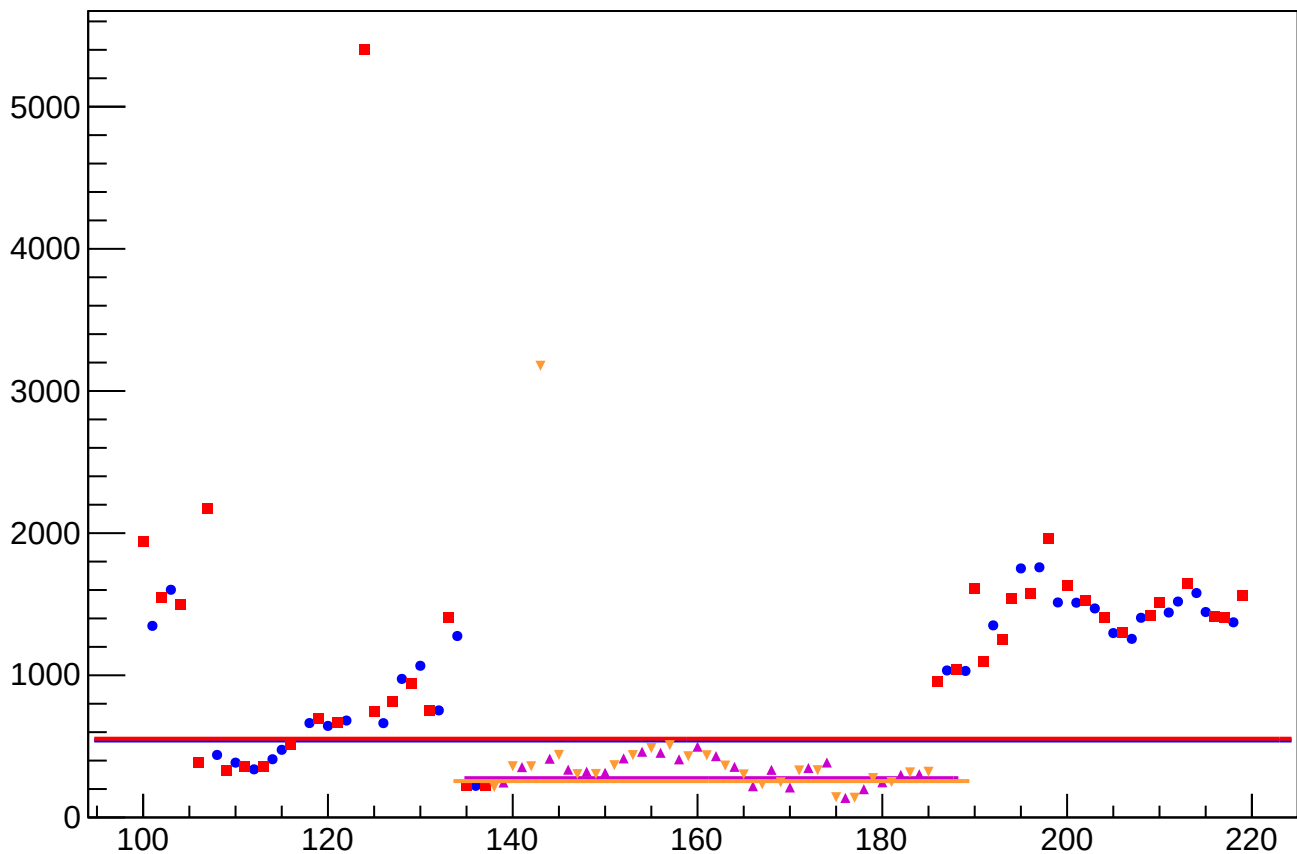
Left In: -113.722 ± 68.841 $\chi^2/\text{NDF}: 18.2/22$

+ sign -200.316 ± 59.322 $\chi^2/\text{NDF}: 87.3/56$

All: -170.768 ± 43.152 $\chi^2/\text{NDF}: 143.3/116$

- sign -137.563 ± 62.887 $\chi^2/\text{NDF}: 55.4/59$

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug



Right In: 541.429+/-0.110 χ^2/NDF : 16077659.3/31

Left Out: 255.768+/-0.045 χ^2/NDF : 6373929.4/24

Right Out: 553.956+/-0.109 χ^2/NDF : 17057086.1/36

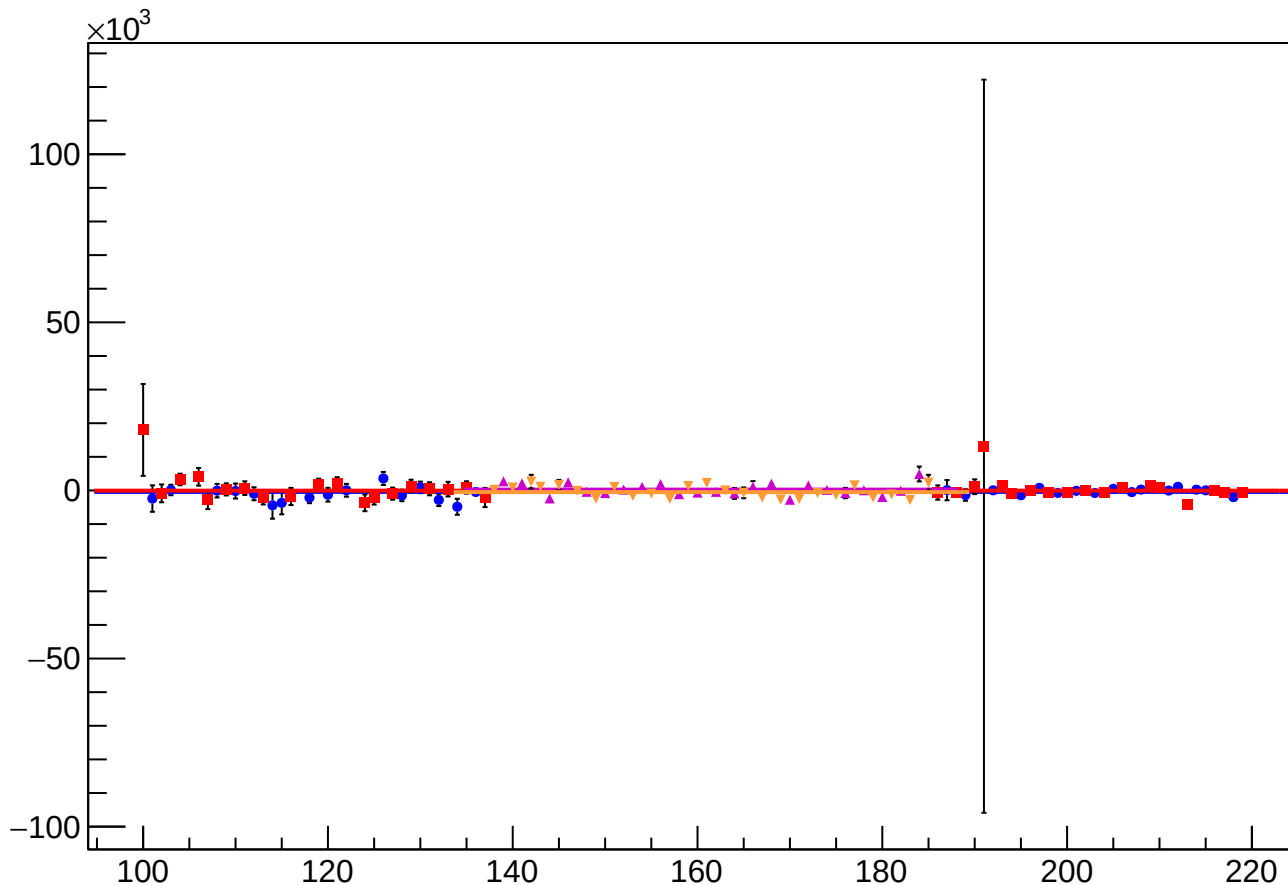
Left In: 276.298+/-0.049 χ^2/NDF : 4027410.5/22

+ sign 297.014+/-0.042 χ^2/NDF : 28180819.2/56

All: 308.896+/-0.031 χ^2/NDF : 54820122.8/11

- sign 322.248+/-0.044 χ^2/NDF : 26468896.1/59

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -425.121+/-286.211 χ^2/NDF : 19.6/31

Left Out: -493.435+/-282.734 χ^2/NDF : 34.2/24

Right Out: -62.294+/-280.261 χ^2/NDF : 32.2/36

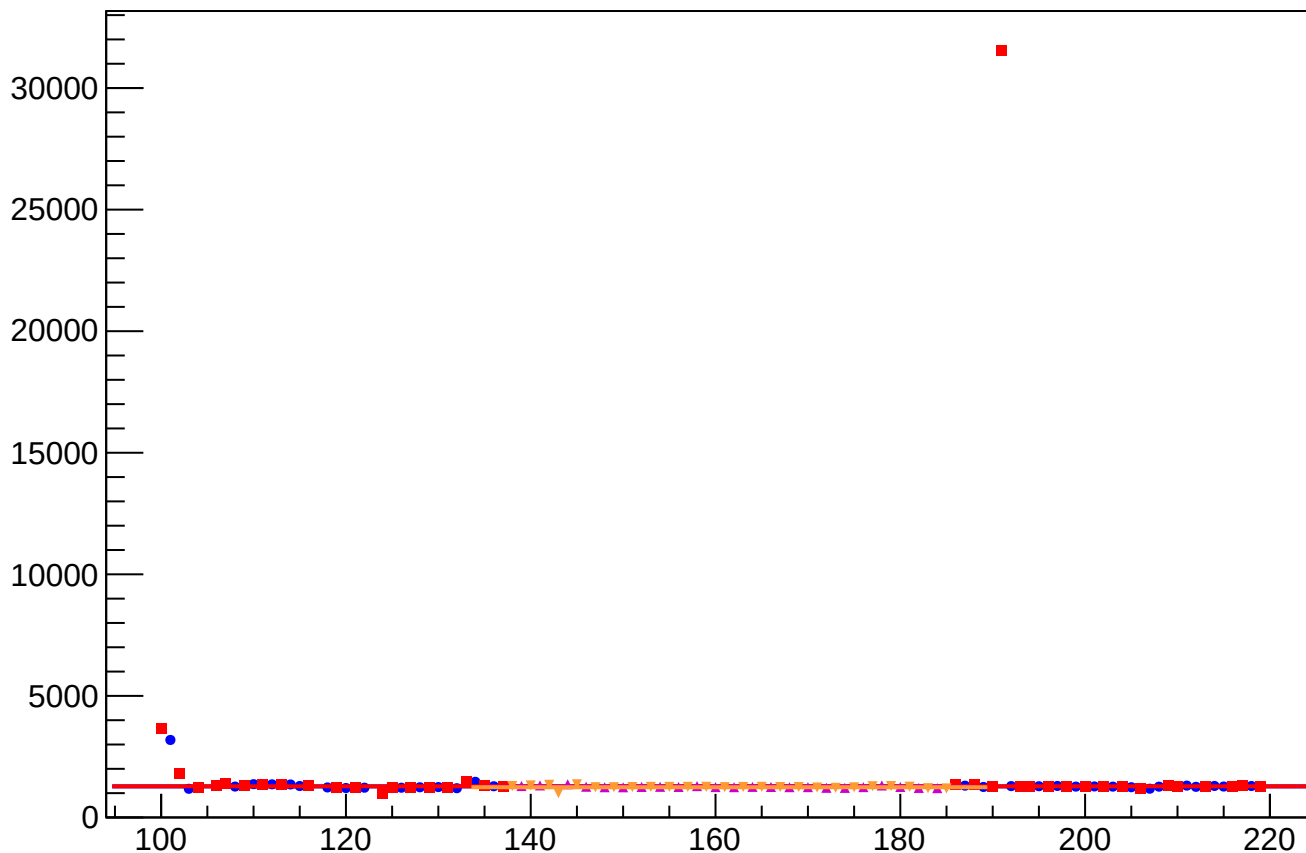
Left In: 242.004+/-294.339 χ^2/NDF : 30.7/22

+ sign -459.696+/-201.141 χ^2/NDF : 53.8/56

All: -191.098+/-142.870 χ^2/NDF : 120.8/116

- sign 82.404+/-202.969 χ^2/NDF : 63.4/59

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1277.529 $\pm$ 0.202 χ^2 /NDF: 527045.1/31

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF: 130022.2/24

Right Out: 1281.524 $\pm$ 0.198 χ^2 /NDF: 389061.1/36

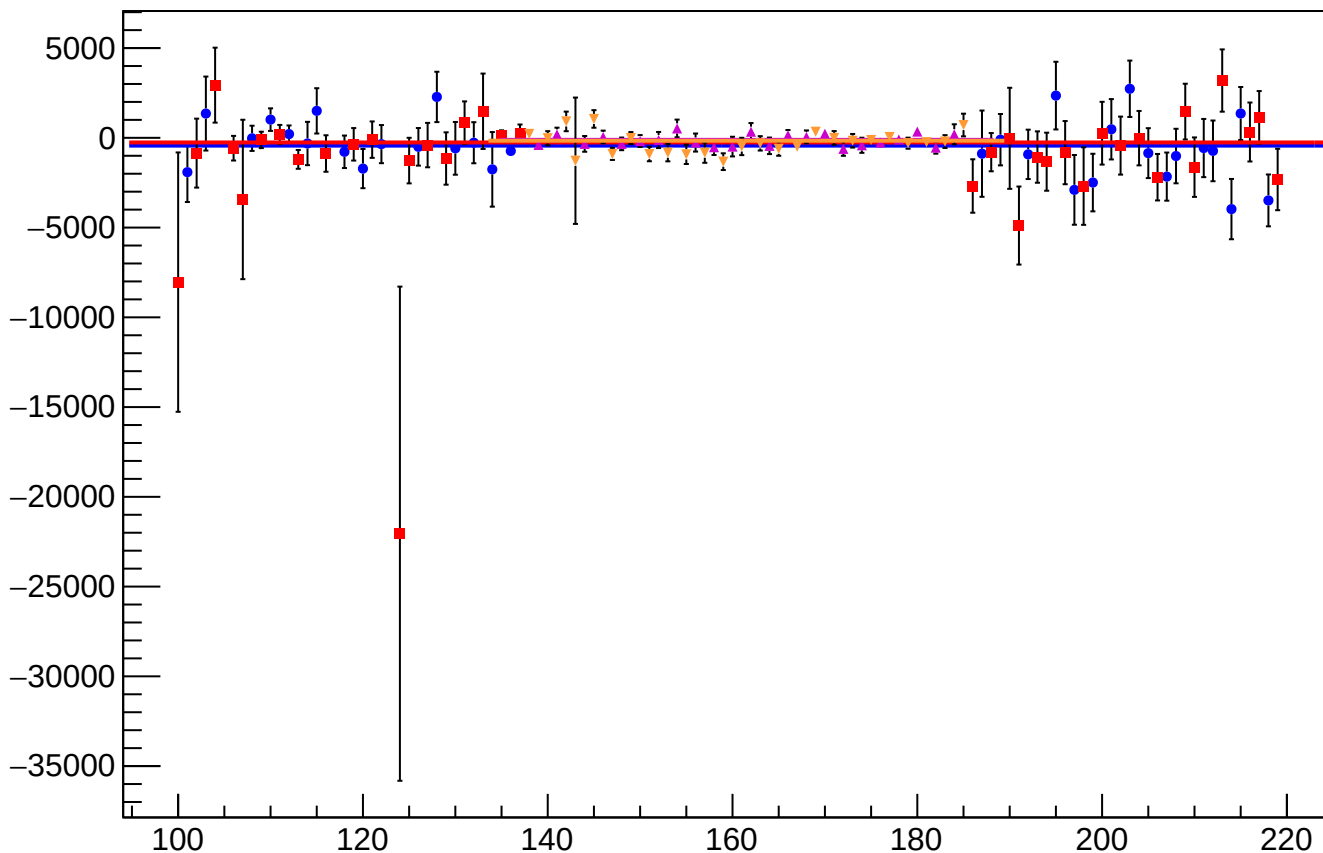
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF: 27932.2/22

+ sign 1259.820 $\pm$ 0.142 χ^2 /NDF: 672195.2/56

All: 1265.525 $\pm$ 0.101 χ^2 /NDF: 1097995.9/111

- sign 1271.334 $\pm$ 0.144 χ^2 /NDF: 422553.9/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -433.716 ± 156.121 χ^2/NDF : 41.0/31

Left Out: -160.933 ± 64.133 χ^2/NDF : 43.8/24

Right Out: -257.793 ± 154.588 χ^2/NDF : 36.5/36

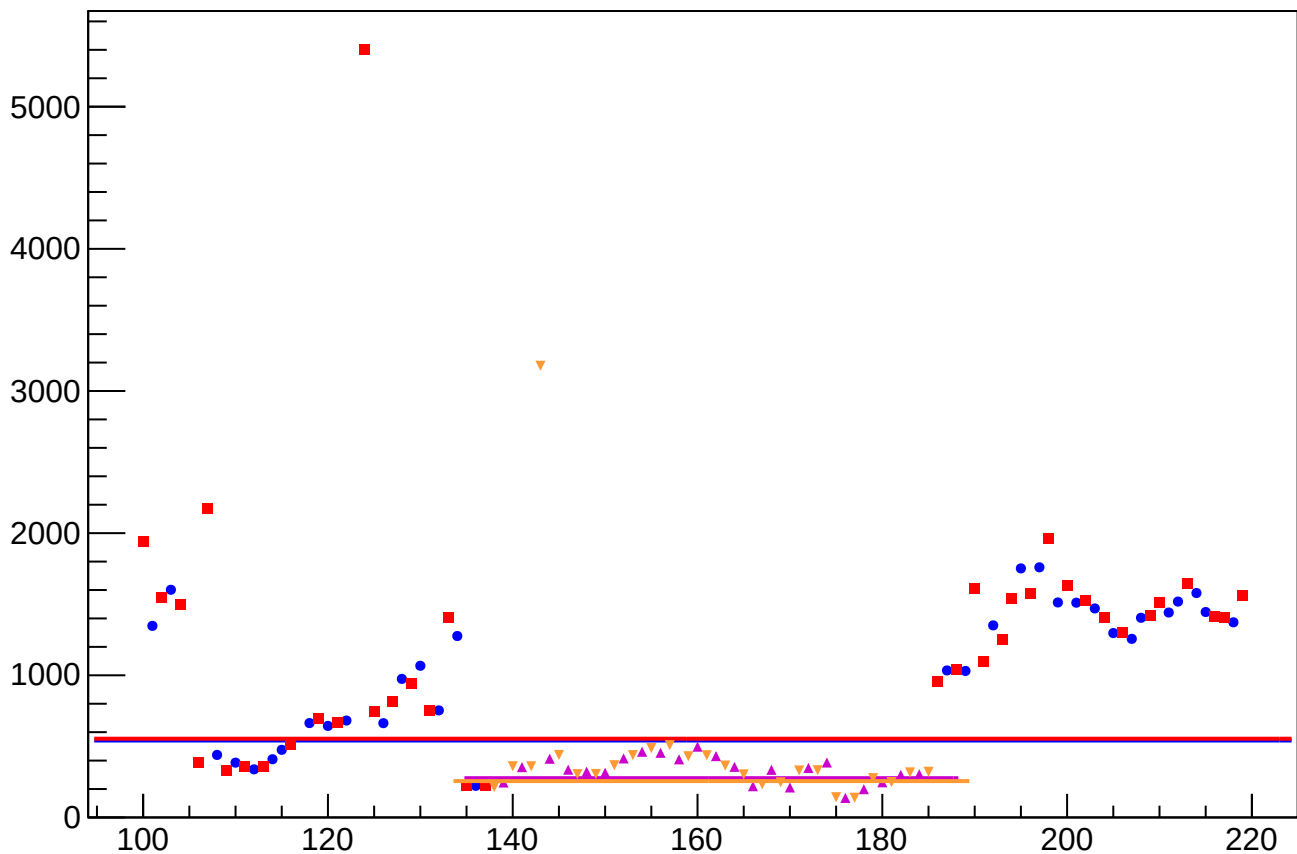
Left In: -113.720 ± 68.841 χ^2/NDF : 18.2/22

+ sign -200.318 ± 59.323 χ^2/NDF : 87.3/56

All: -170.769 ± 43.153 χ^2/NDF : 143.3/116

- sign -137.562 ± 62.887 χ^2/NDF : 55.4/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 541.442+/-0.110 χ^2/NDF : 16077189.3/31

Left Out: 255.770+/-0.045 χ^2/NDF : 6373829.7/24

Right Out: 553.967+/-0.109 χ^2/NDF : 17056723.2/36

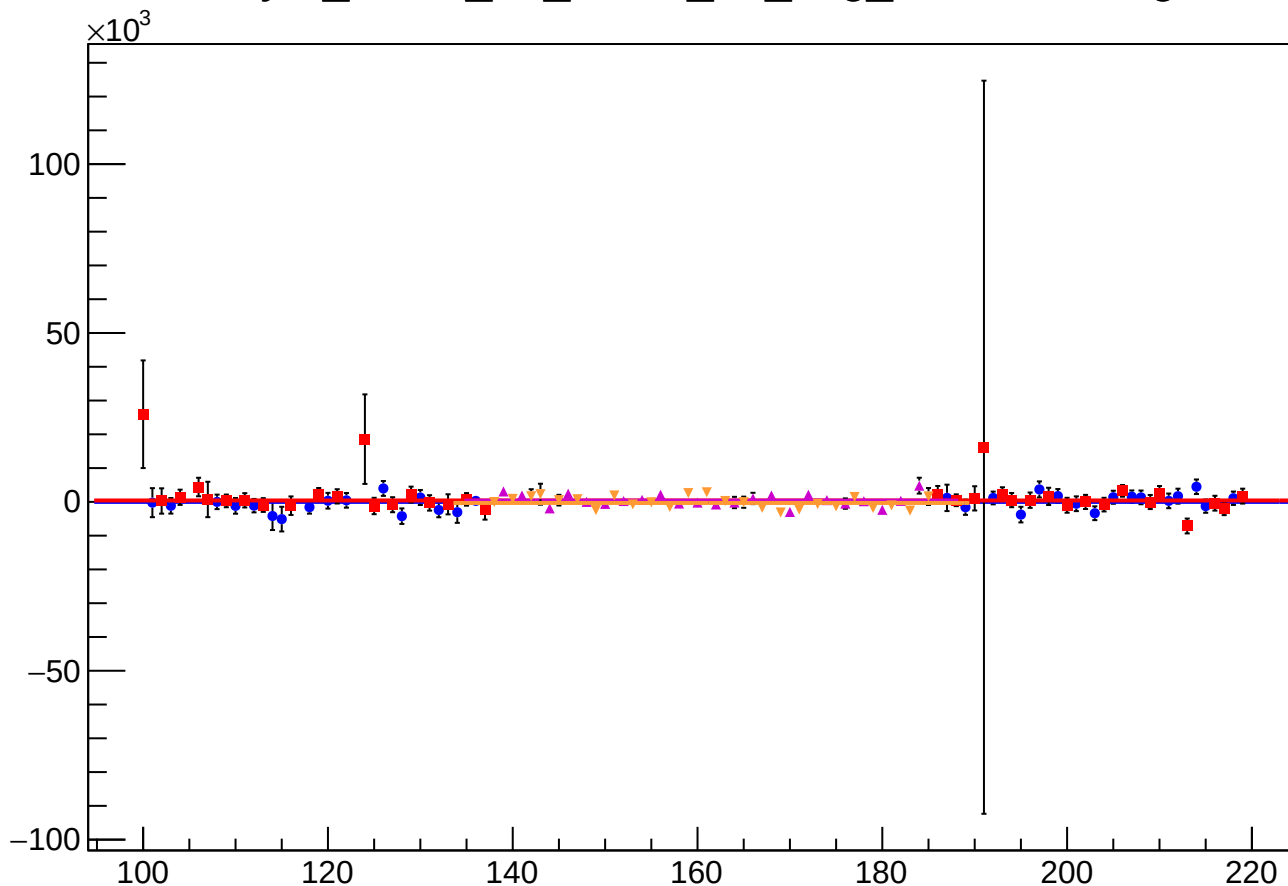
Left In: 276.299+/-0.049 χ^2/NDF : 4027371.0/22

+ sign 297.016+/-0.042 χ^2/NDF : 28180575.6/56

All: 308.897+/-0.031 χ^2/NDF : 54819738.6/11

- sign 322.250+/-0.044 χ^2/NDF : 26468769.3/59

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -3.835 ± 386.837 χ^2/NDF : 30.5/31

Left Out: -319.744 ± 298.271 χ^2/NDF : 31.6/24

Right Out: 416.568 ± 383.461 χ^2/NDF : 31.1/36

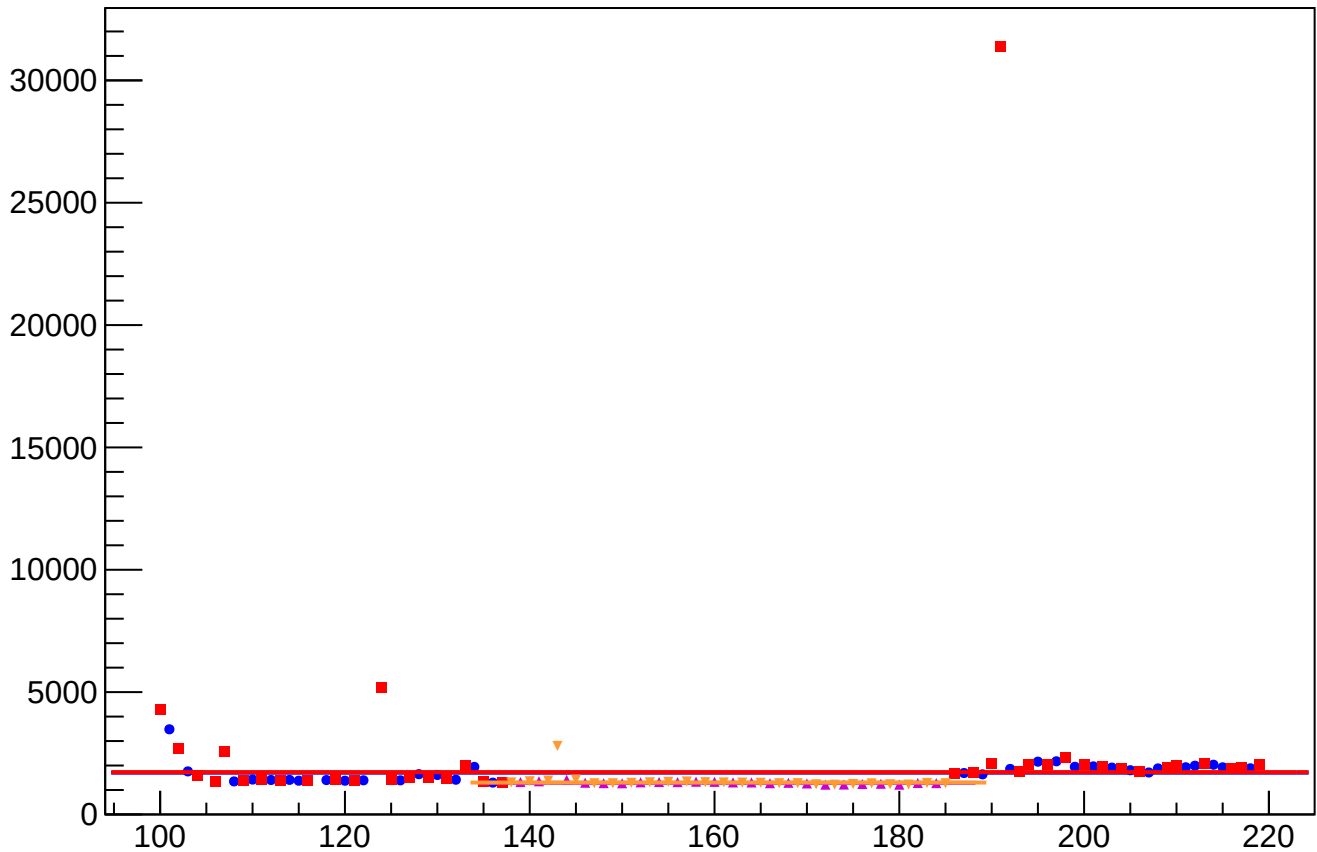
Left In: 356.387 ± 301.902 χ^2/NDF : 29.7/22

+ sign -201.957 ± 236.209 χ^2/NDF : 62.5/56

All: 87.503 ± 167.377 χ^2/NDF : 126.3/116

- sign 379.416 ± 237.208 χ^2/NDF : 60.7/59

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1708.263+/-0.274 χ^2/NDF : 1296769.5/31

Left Out: 1304.156+/-0.211 χ^2/NDF : 519609.1/24

Right Out: 1729.554+/-0.271 χ^2/NDF : 1574246.7/36

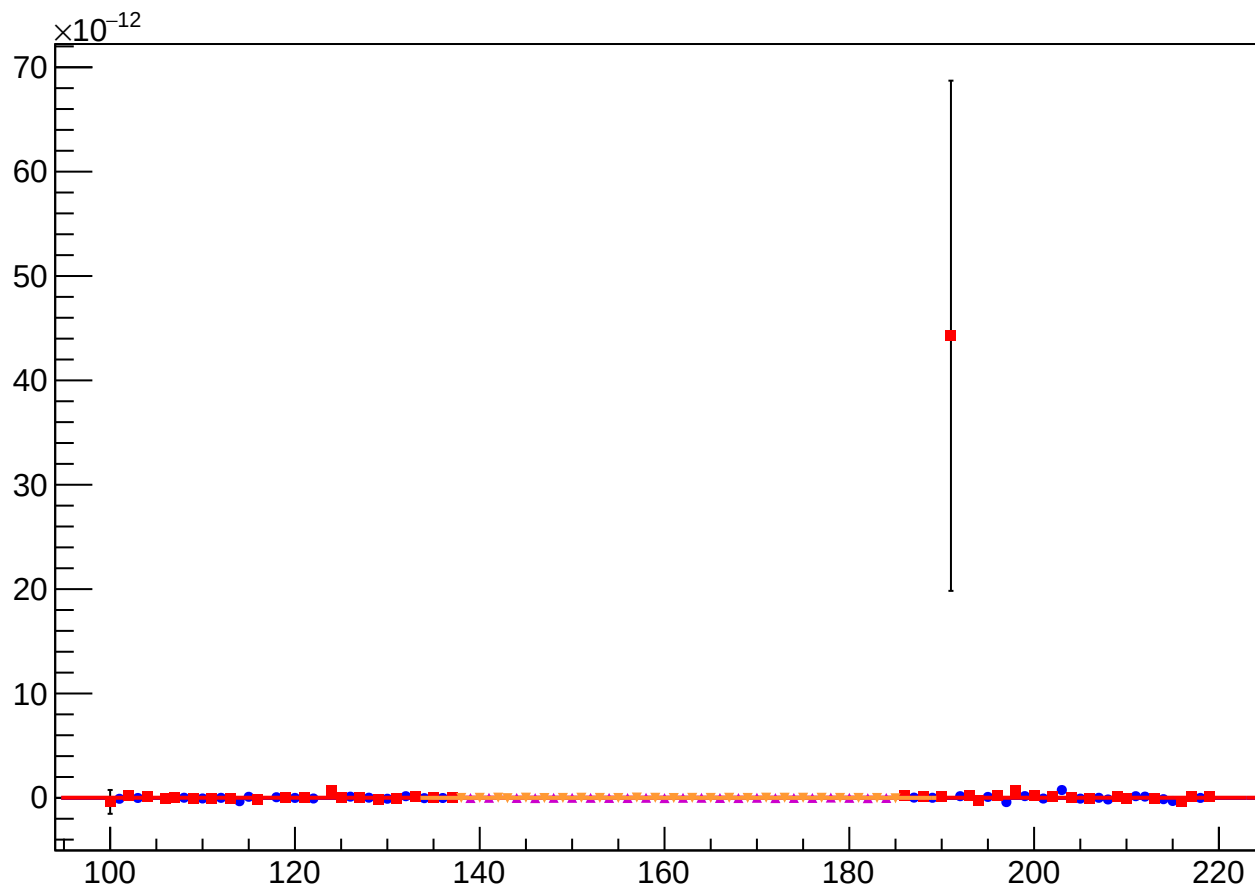
Left In: 1292.123+/-0.213 χ^2/NDF : 48343.1/22

+ sign 1454.828+/-0.167 χ^2/NDF : 3185172.5/56

All: 1457.160+/-0.118 χ^2/NDF : 6414836.7/11

- sign 1459.511+/-0.168 χ^2/NDF : 3229272.8/59

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 34.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 24.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 44.4/36

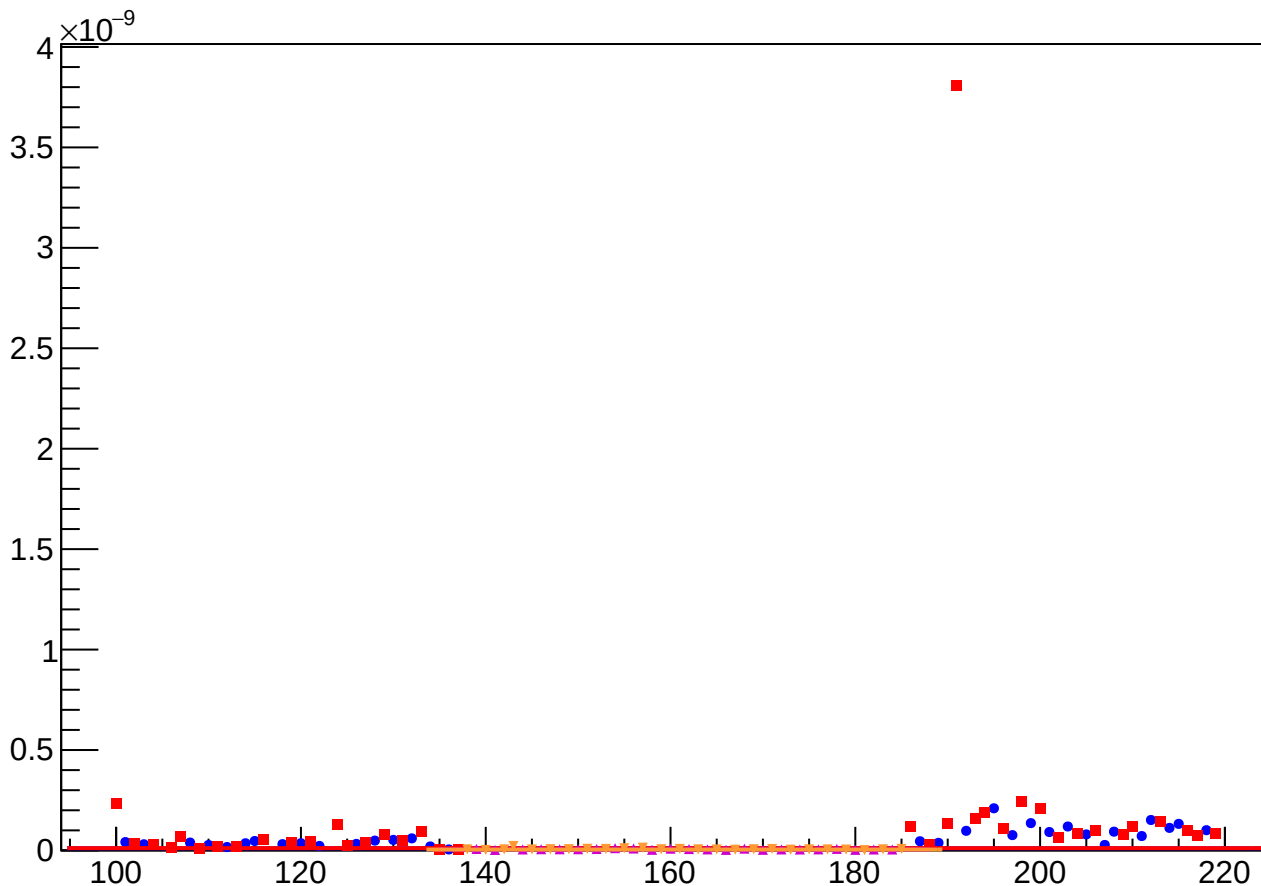
Left In: 0.000+/-0.000 χ^2/NDF : 29.6/22

+ sign -0.000+/-0.000 χ^2/NDF : 61.2/56

All: 0.000+/-0.000 χ^2/NDF : 138.0/116

- sign 0.000+/-0.000 χ^2/NDF : 76.3/59

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10777670.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12572890.2/36

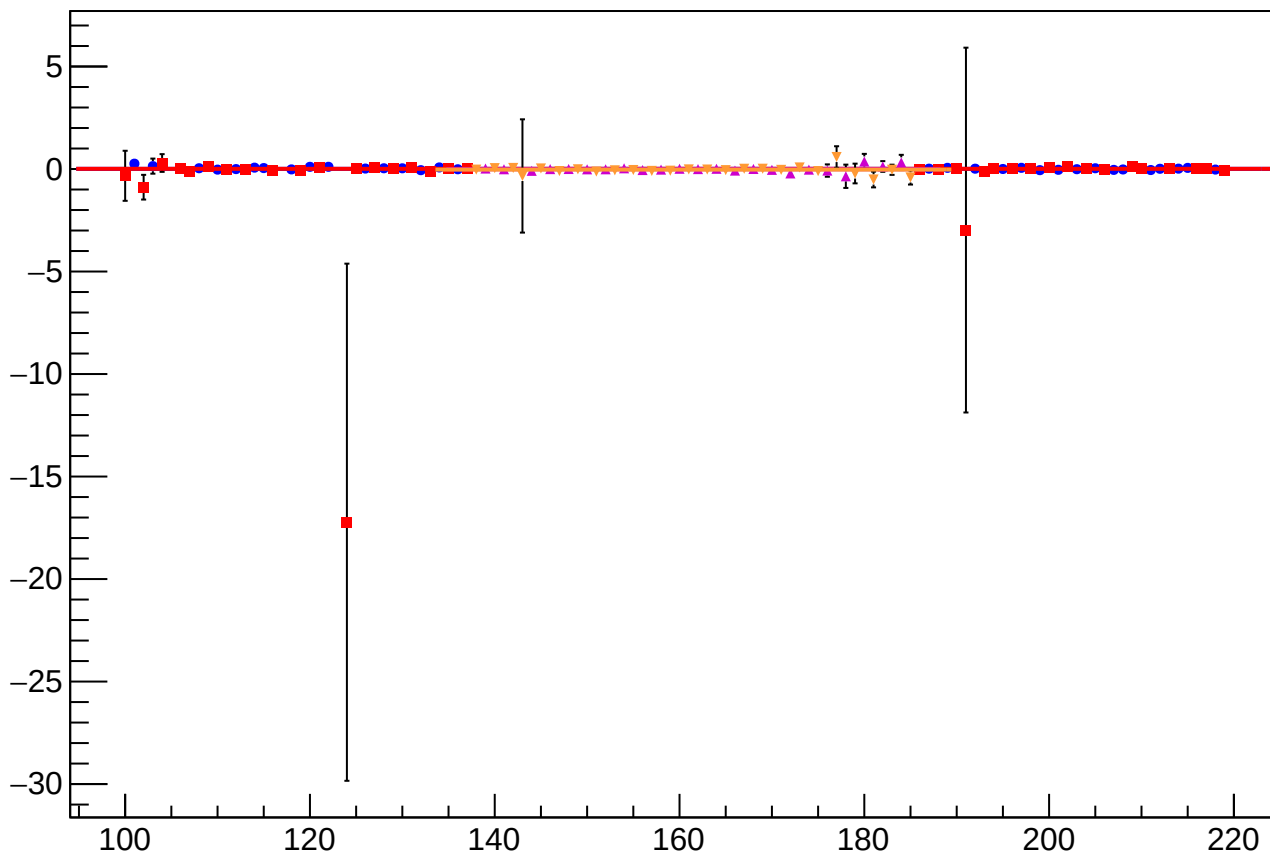
Left In: 0.000+/-0.000 χ^2/NDF : 1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 14885456.3/56

All: 0.000+/-0.000 χ^2/NDF : 30752290.7/116

- sign 0.000+/-0.000 χ^2/NDF : 15840693.9/59

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.010 χ^2/NDF : 19.2/31

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.010 ± 0.010 χ^2/NDF : 30.9/36

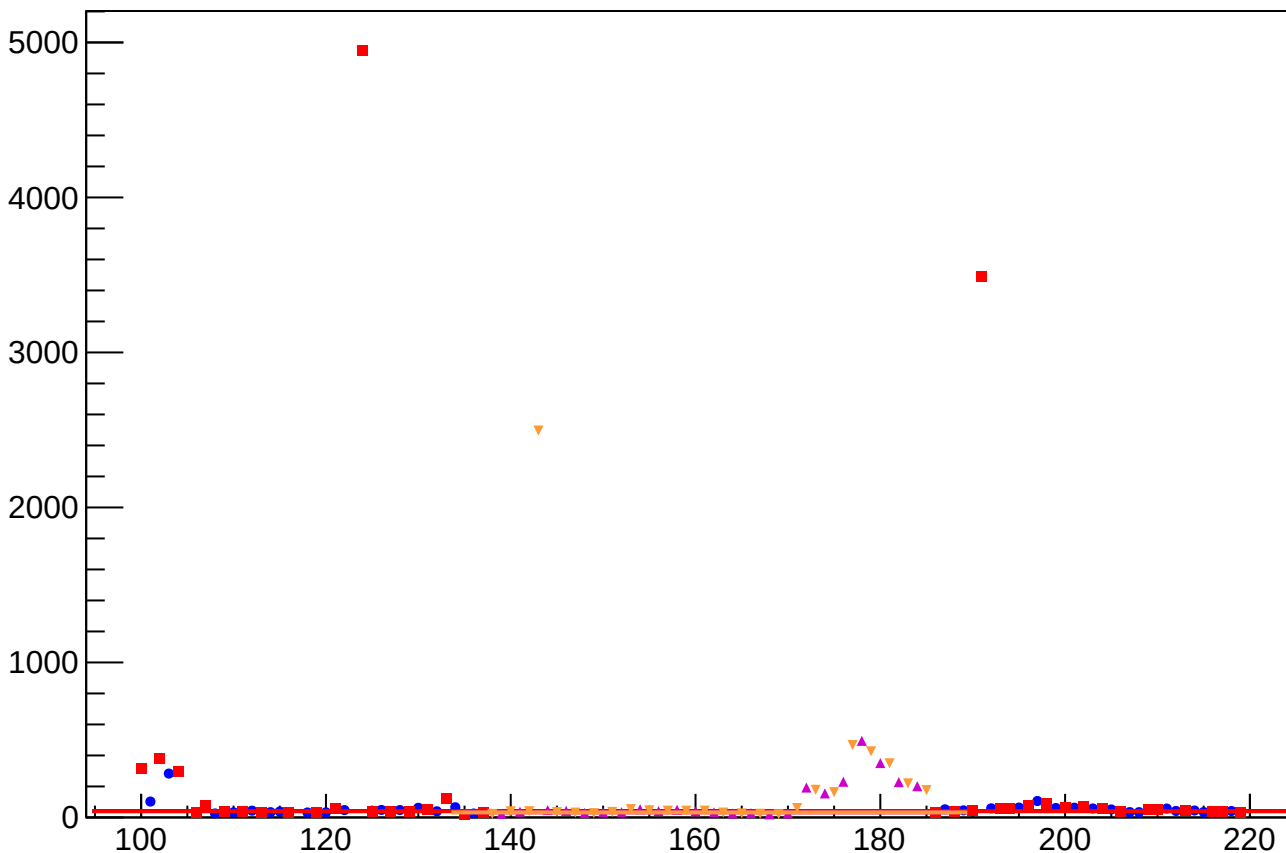
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.012 ± 0.007 χ^2/NDF : 53.4/56

All: -0.006 ± 0.005 χ^2/NDF : 100.9/116

- sign -0.001 ± 0.007 χ^2/NDF : 46.3/59

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.228 $\pm$ 0.007 χ^2 /NDF: 4315175.4/31

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10871758.1/24

Right Out: 40.407 $\pm$ 0.007 χ^2 /NDF: 5642083.0/36

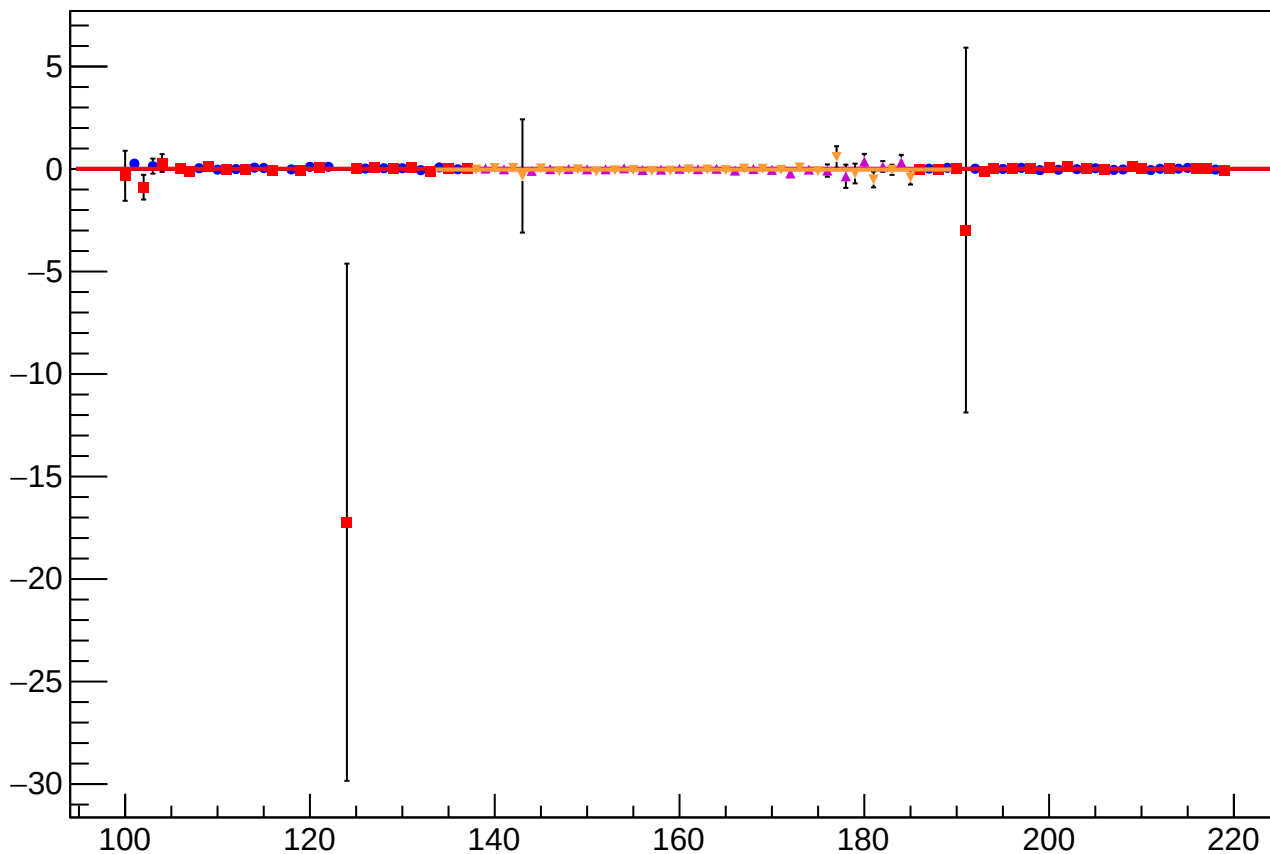
Left In: 32.738 $\pm$ 0.007 χ^2 /NDF: 8963240.8/22

+ sign 36.516 $\pm$ 0.005 χ^2 /NDF: 15946757.1/56

All: 36.436 $\pm$ 0.003 χ^2 /NDF: 31167927.6/116

- sign 36.359 $\pm$ 0.005 χ^2 /NDF: 15220659.4/59

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.010 χ^2/NDF : 19.2/31

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.010 ± 0.010 χ^2/NDF : 30.9/36

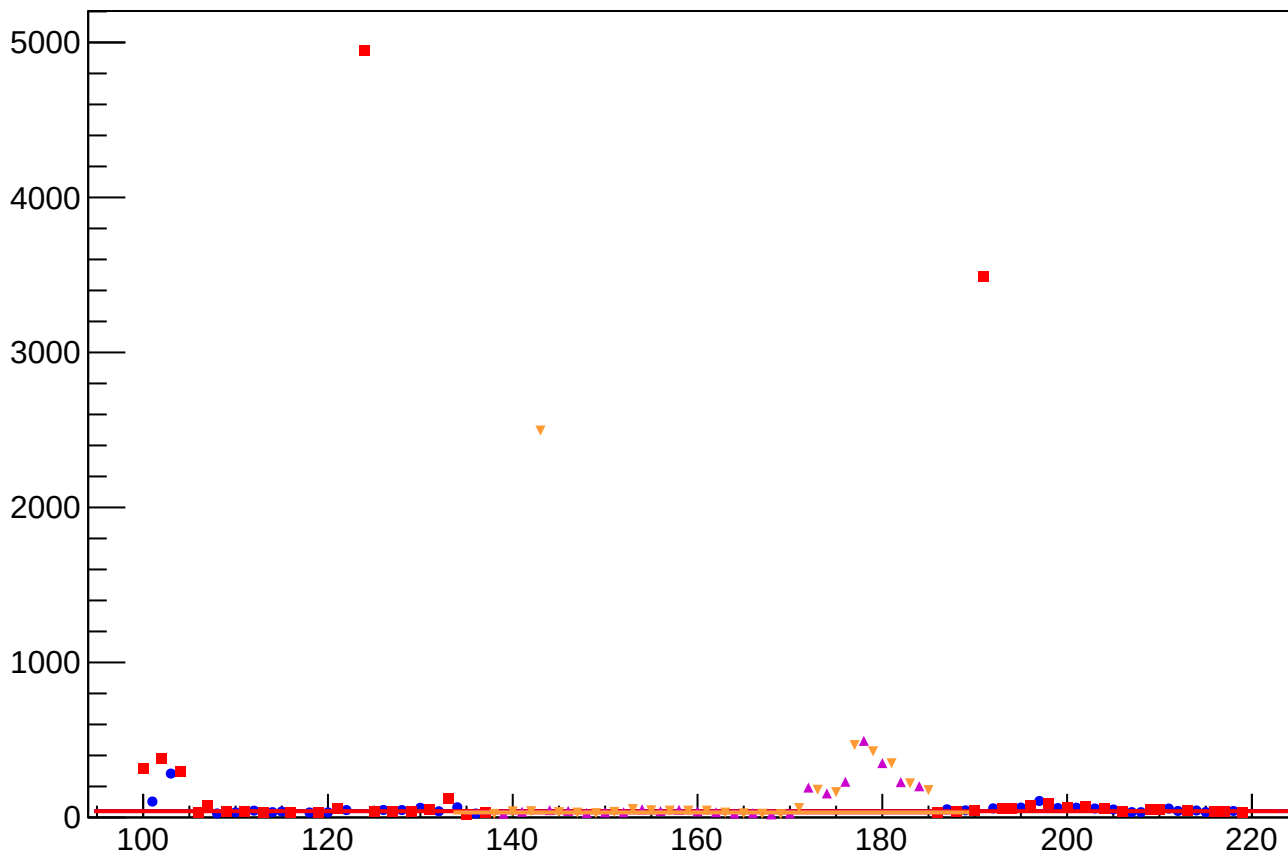
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.012 ± 0.007 χ^2/NDF : 53.4/56

All: -0.006 ± 0.005 χ^2/NDF : 100.9/116

- sign -0.001 ± 0.007 χ^2/NDF : 46.3/59

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.228 $\pm$ 0.007 χ^2 /NDF: 4315175.4/31

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10871758.1/24

Right Out: 40.407 $\pm$ 0.007 χ^2 /NDF: 5642083.0/36

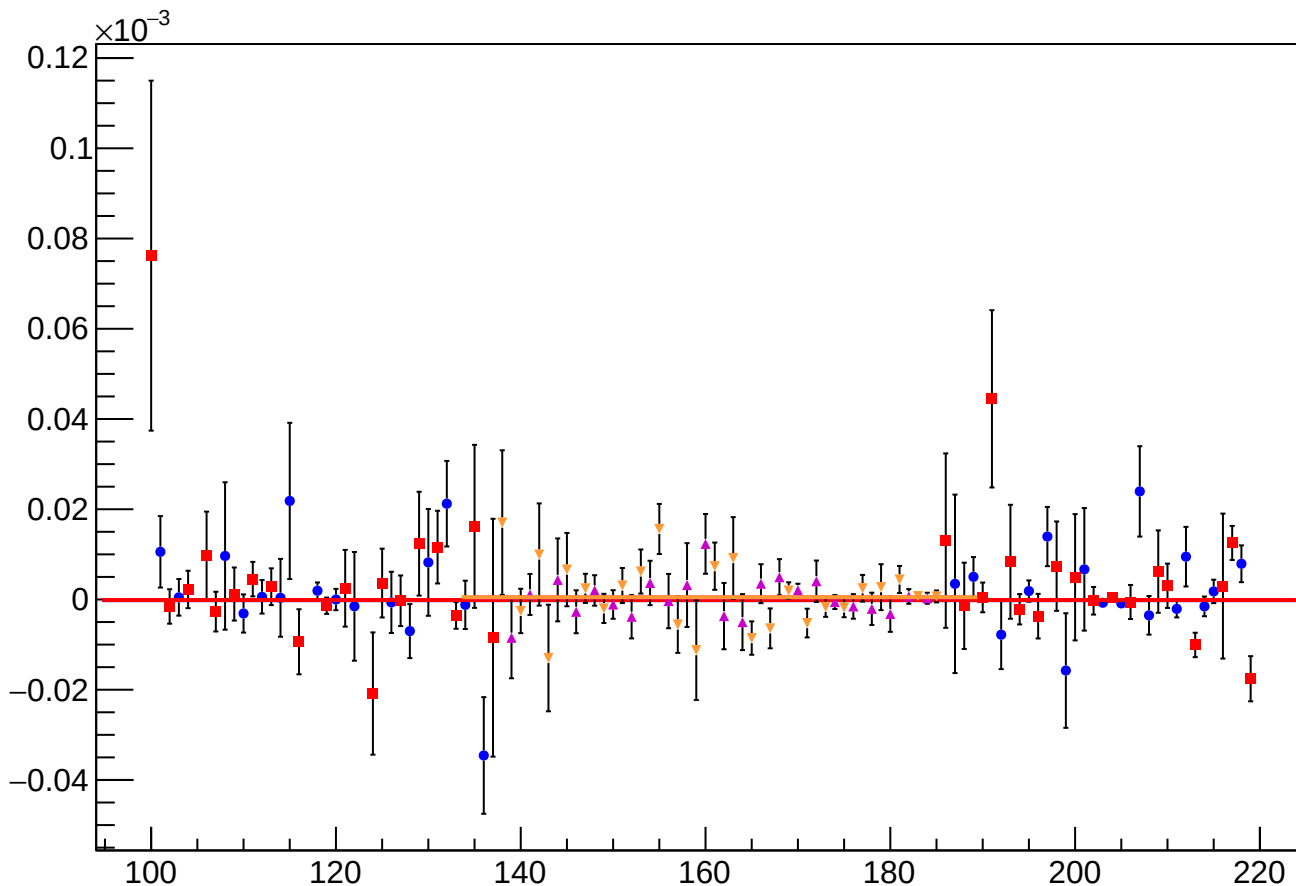
Left In: 32.738 $\pm$ 0.007 χ^2 /NDF: 8963240.8/22

+ sign 36.516 $\pm$ 0.005 χ^2 /NDF: 15946757.1/56

All: 36.436 $\pm$ 0.003 χ^2 /NDF: 31167927.6/116

- sign 36.359 $\pm$ 0.005 χ^2 /NDF: 15220659.4/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 44.8/31$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 35.7/24$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 64.3/36$

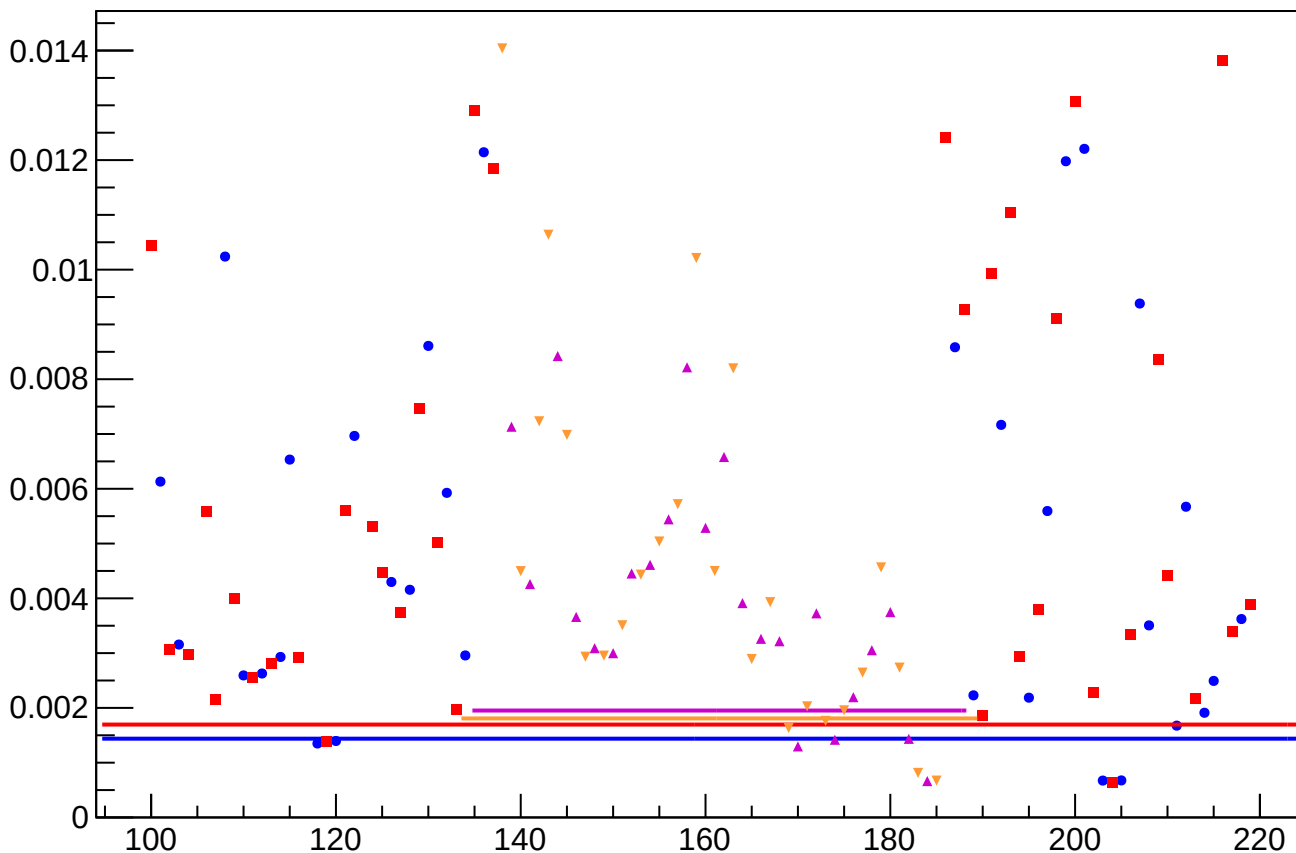
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13.7/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 81.4/56$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 159.9/116$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 78.5/59$

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 17883607.9/31

Left Out: 0.002+/-0.000 χ^2/NDF : 14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 19241886.0/36

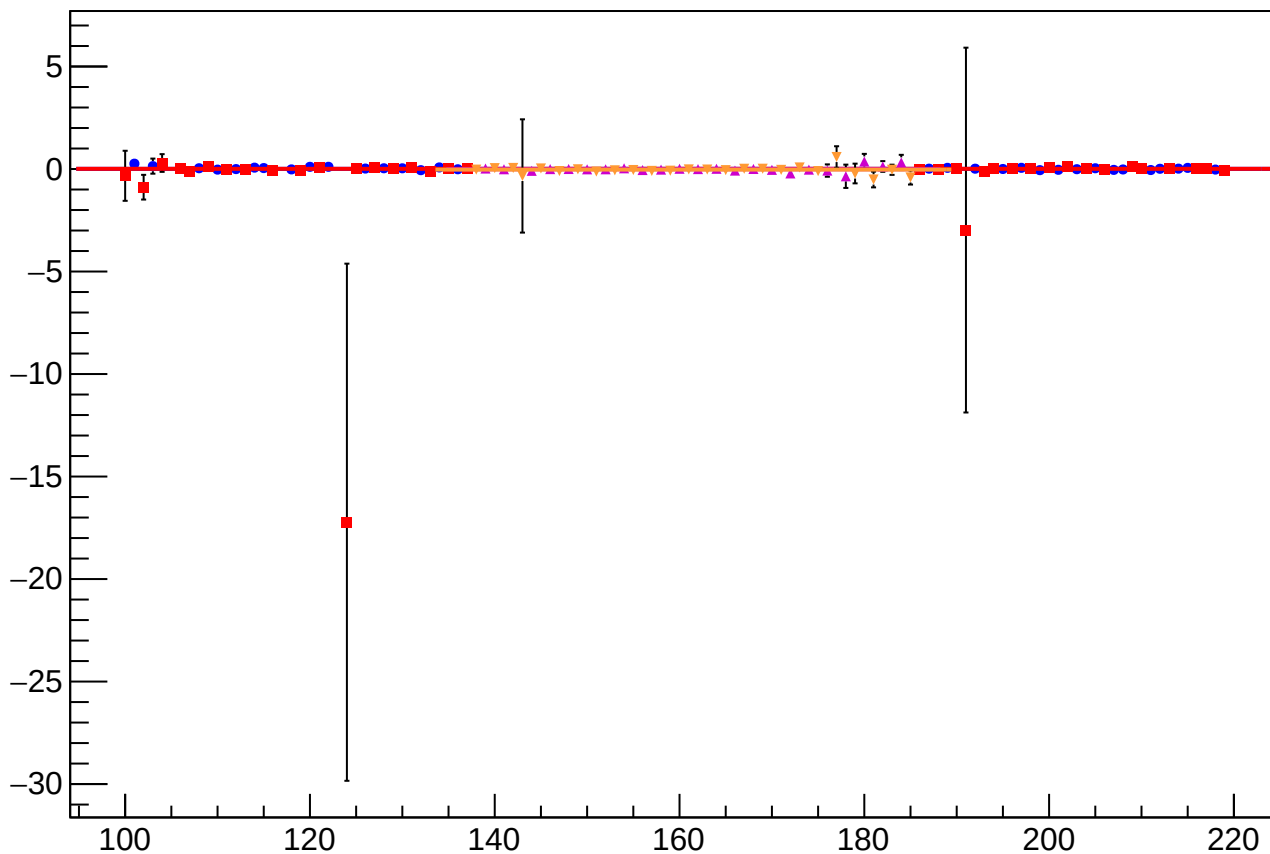
Left In: 0.002+/-0.000 χ^2/NDF : 11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 33349898.1/56

All: 0.002+/-0.000 χ^2/NDF : 64608607.7/116

- sign 0.002+/-0.000 χ^2/NDF : 30927021.4/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.010 χ^2/NDF : 19.2/31

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.010 ± 0.010 χ^2/NDF : 30.9/36

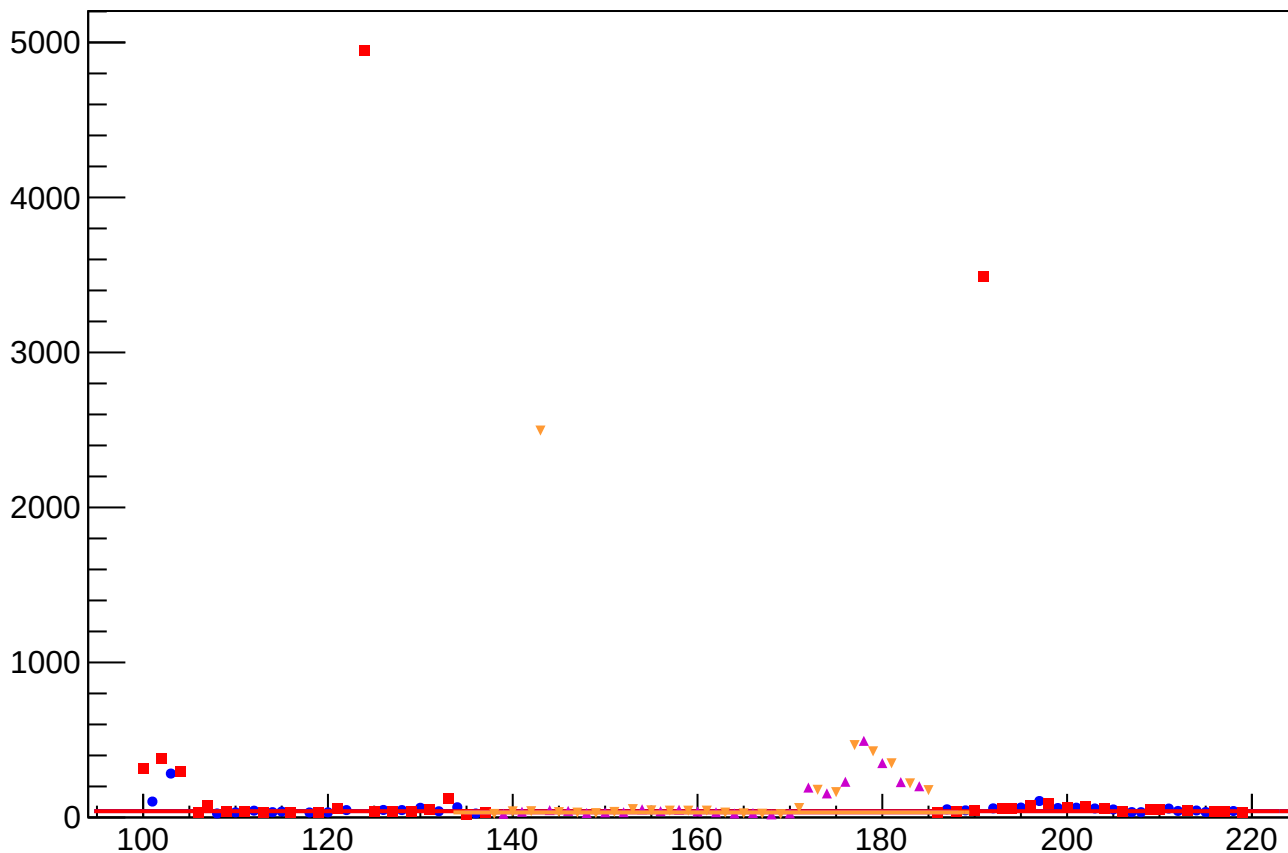
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.012 ± 0.007 χ^2/NDF : 53.4/56

All: -0.006 ± 0.005 χ^2/NDF : 100.9/116

- sign -0.001 ± 0.007 χ^2/NDF : 46.3/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.228+/-0.007 χ^2/NDF : 4314811.8/31

Left Out: 32.551+/-0.007 χ^2/NDF : 10872015.8/24

Right Out: 40.408+/-0.007 χ^2/NDF : 5641847.8/36

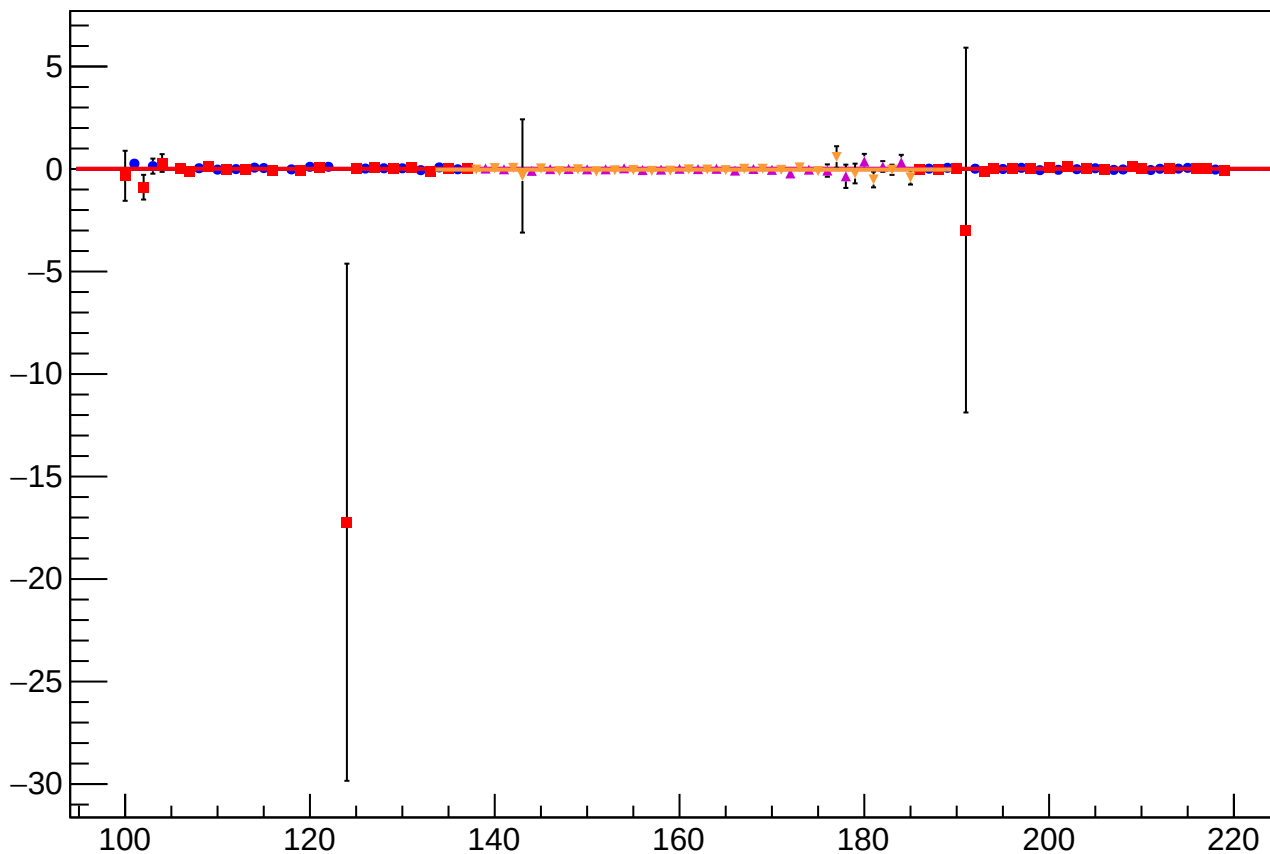
Left In: 32.737+/-0.007 χ^2/NDF : 8963873.9/22

+ sign 36.516+/-0.005 χ^2/NDF : 15946717.5/56

All: 36.436+/-0.003 χ^2/NDF : 31168524.1/116

- sign 36.358+/-0.005 χ^2/NDF : 15221291.0/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.010 χ^2/NDF : 19.2/31

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.010 ± 0.010 χ^2/NDF : 30.9/36

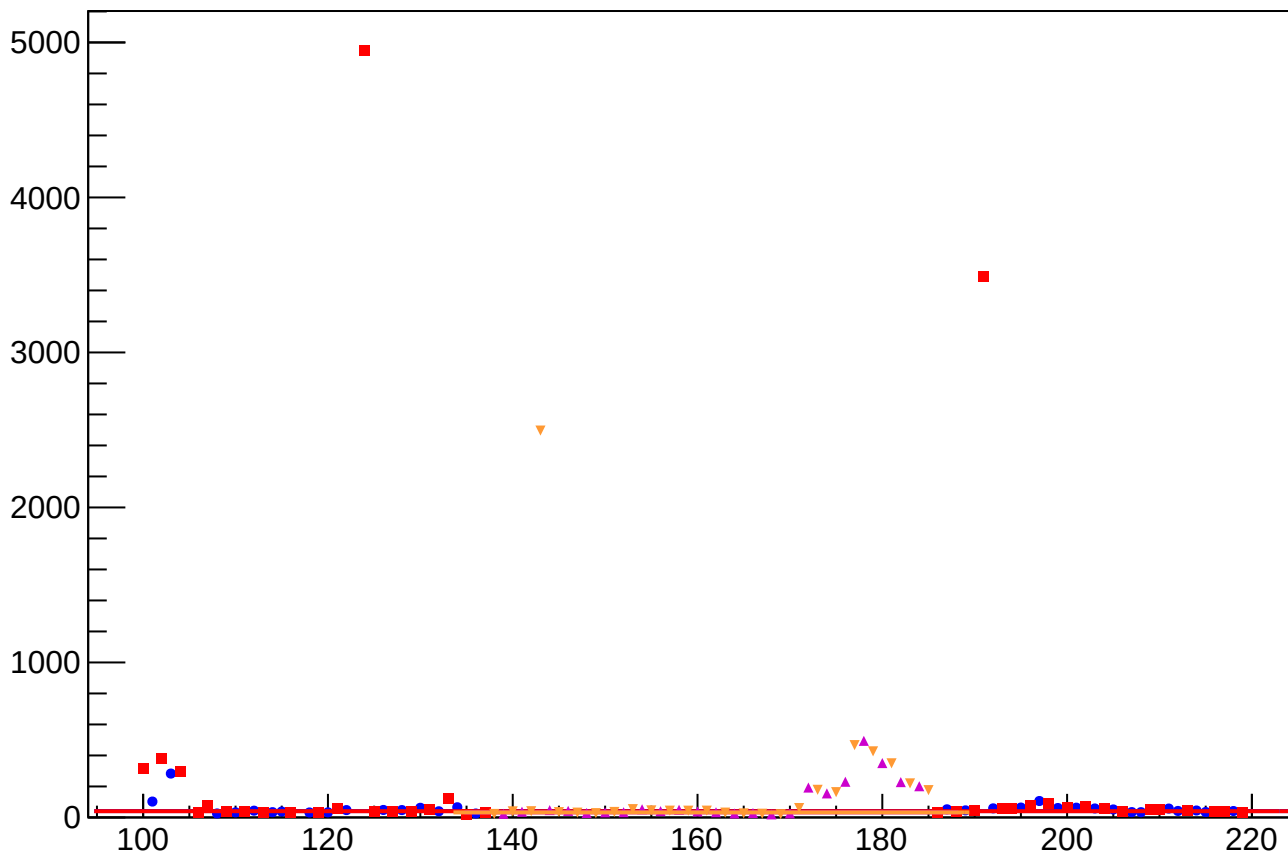
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.012 ± 0.007 χ^2/NDF : 53.4/56

All: -0.006 ± 0.005 χ^2/NDF : 100.9/116

- sign -0.001 ± 0.007 χ^2/NDF : 46.3/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.228+/-0.007 χ^2/NDF : 4314811.8/31

Left Out: 32.551+/-0.007 χ^2/NDF : 10872015.8/24

Right Out: 40.408+/-0.007 χ^2/NDF : 5641847.8/36

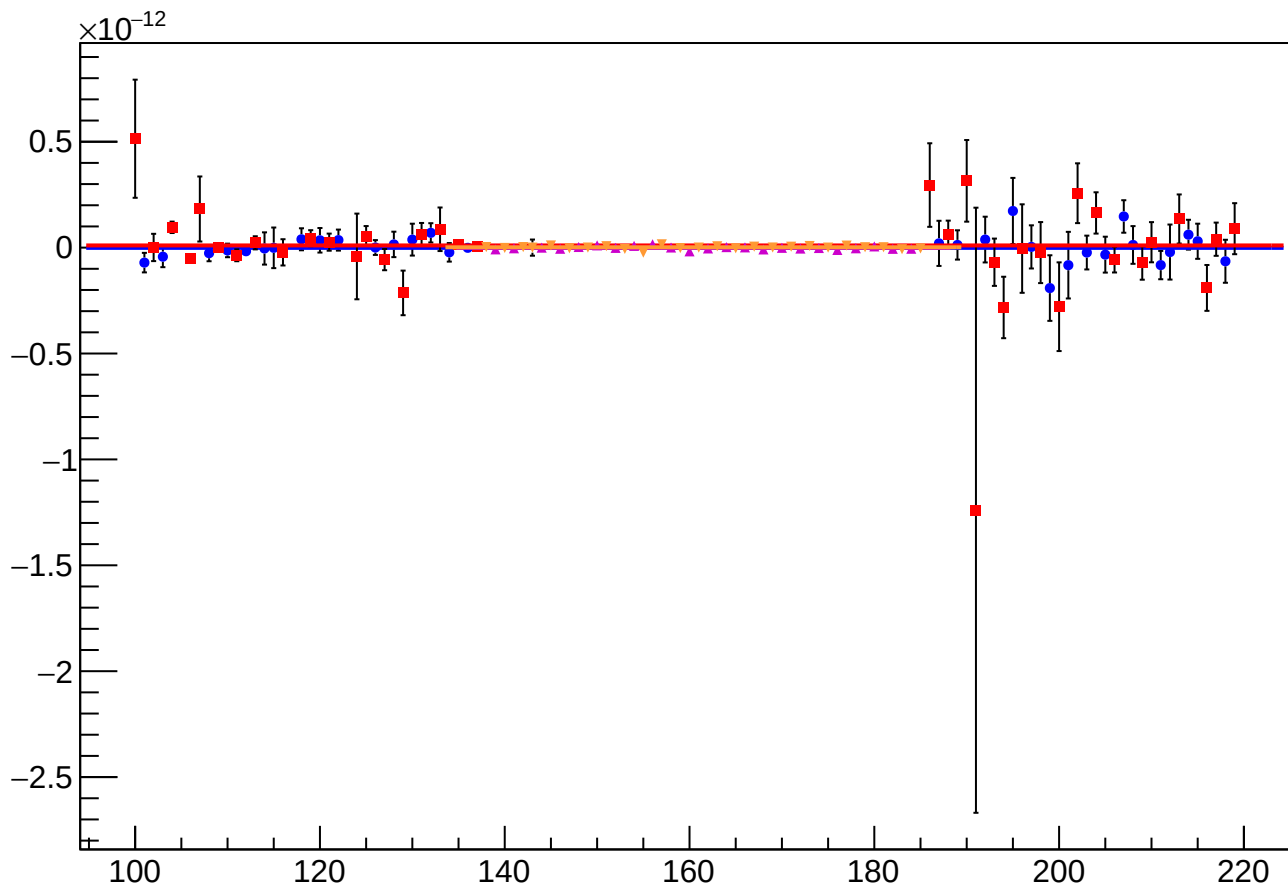
Left In: 32.737+/-0.007 χ^2/NDF : 8963873.9/22

+ sign 36.516+/-0.005 χ^2/NDF : 15946717.5/56

All: 36.436+/-0.003 χ^2/NDF : 31168524.1/116

- sign 36.358+/-0.005 χ^2/NDF : 15221291.0/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 18.6/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 18.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 65.5/36

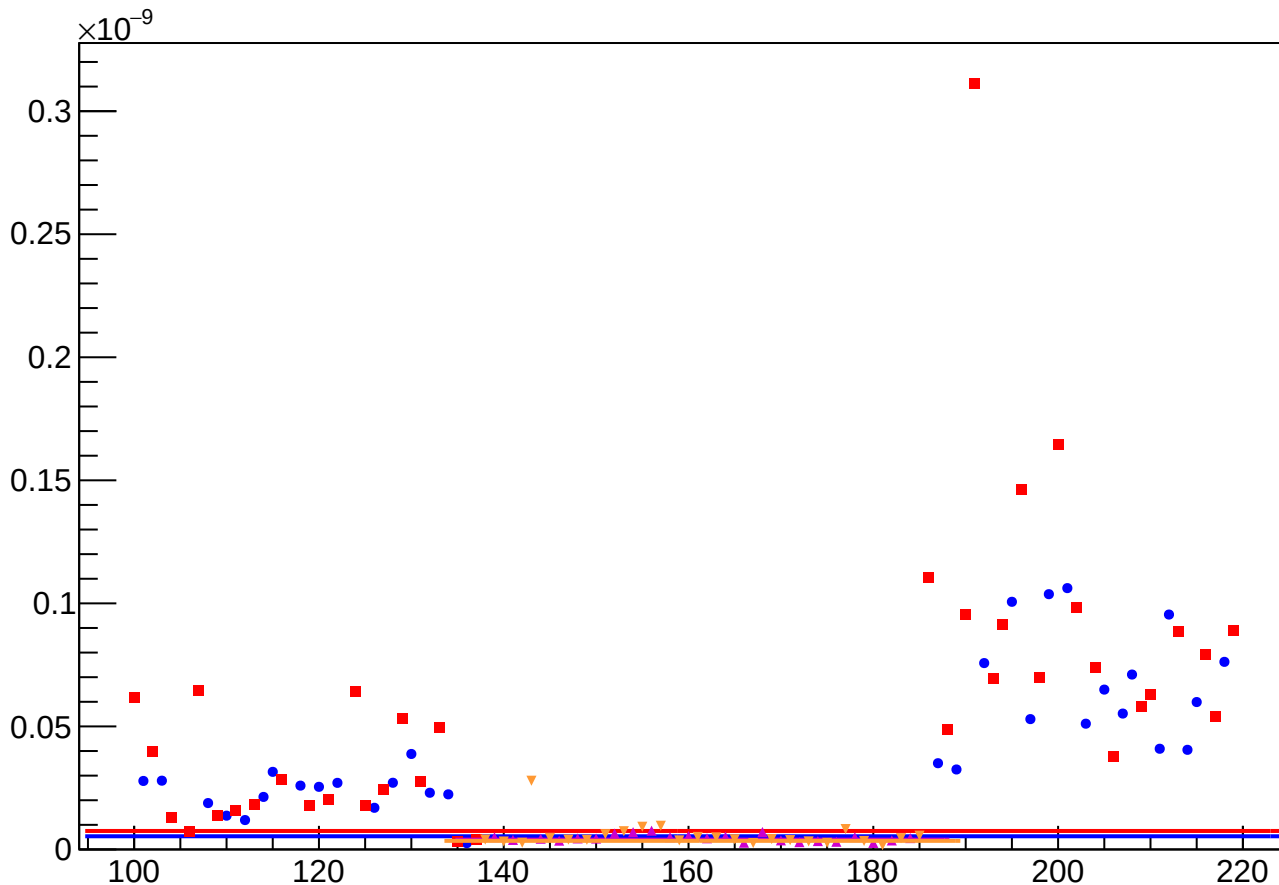
Left In: -0.000 ± 0.000 χ^2/NDF : 28.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 37.3/56

All: 0.000 ± 0.000 χ^2/NDF : 139.9/116

- sign -0.000 ± 0.000 χ^2/NDF : 101.4/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 16874327.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 17918262.2/36

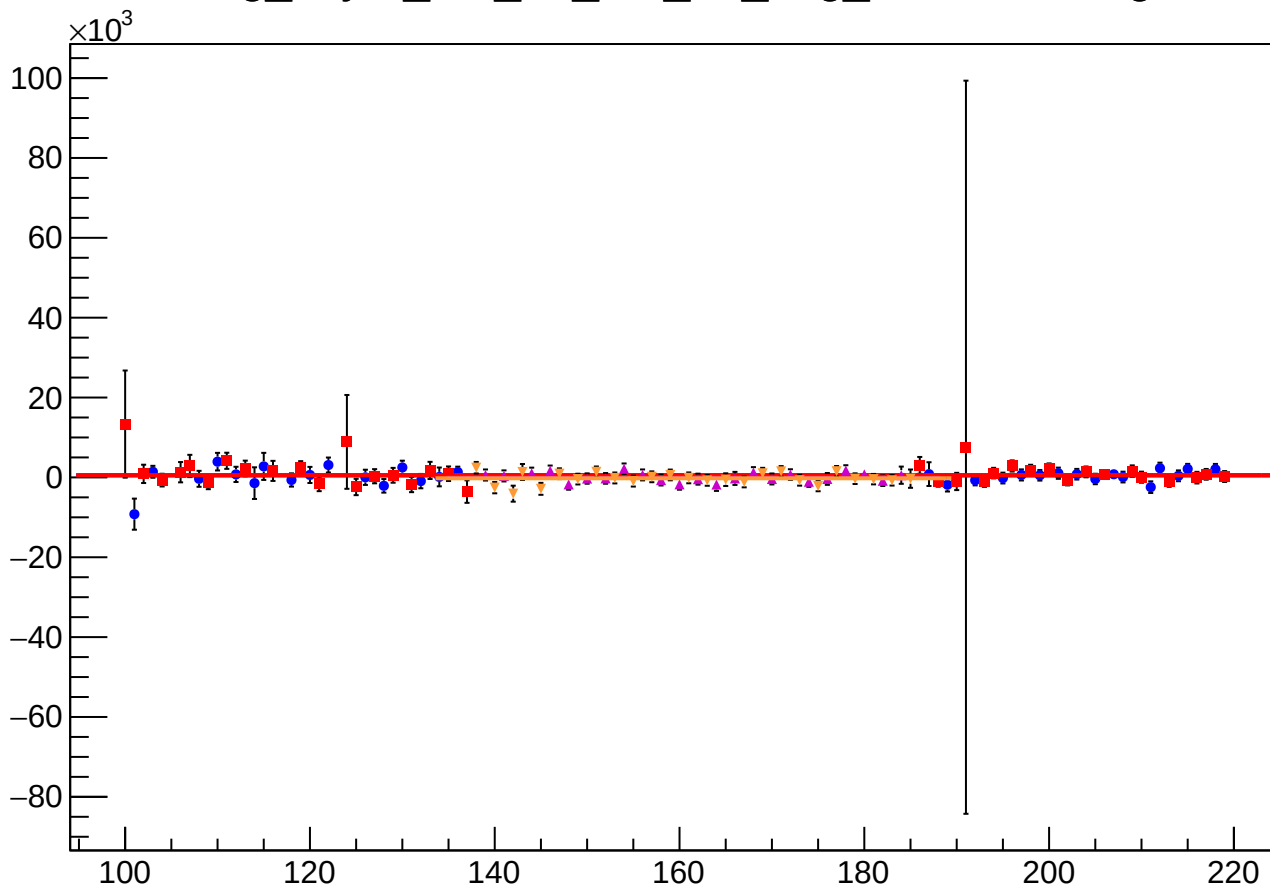
Left In: 0.000+/-0.000 χ^2/NDF : 2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 22113338.0/56

All: 0.000+/-0.000 χ^2/NDF : 43765488.4/116

- sign 0.000+/-0.000 χ^2/NDF : 21362391.1/59

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 483.312 $\pm$ 282.483 χ^2 /NDF: 29.6/31

Left Out: -220.721 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 576.736 $\pm$ 277.611 χ^2 /NDF: 29.8/36

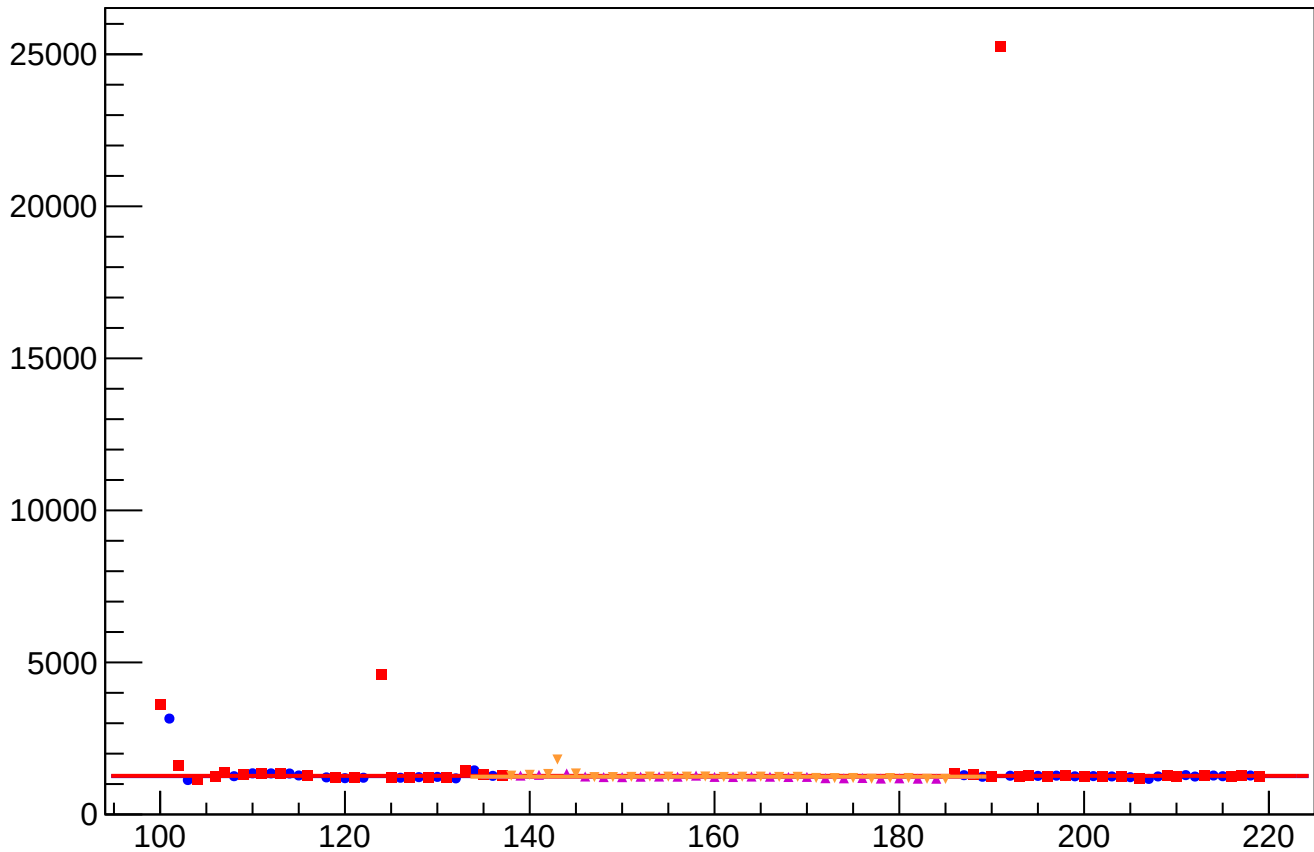
Left In: 92.402 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign 132.008 $\pm$ 199.947 χ^2 /NDF: 56.6/56

All: 237.827 $\pm$ 141.383 χ^2 /NDF: 103.1/116

- sign 343.644 $\pm$ 199.945 χ^2 /NDF: 46.0/59

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1260.790+/-0.200 χ^2/NDF : 536064.1/31

Left Out: 1242.825+/-0.200 χ^2/NDF : 203299.1/24

Right Out: 1269.545+/-0.196 χ^2/NDF : 487602.8/36

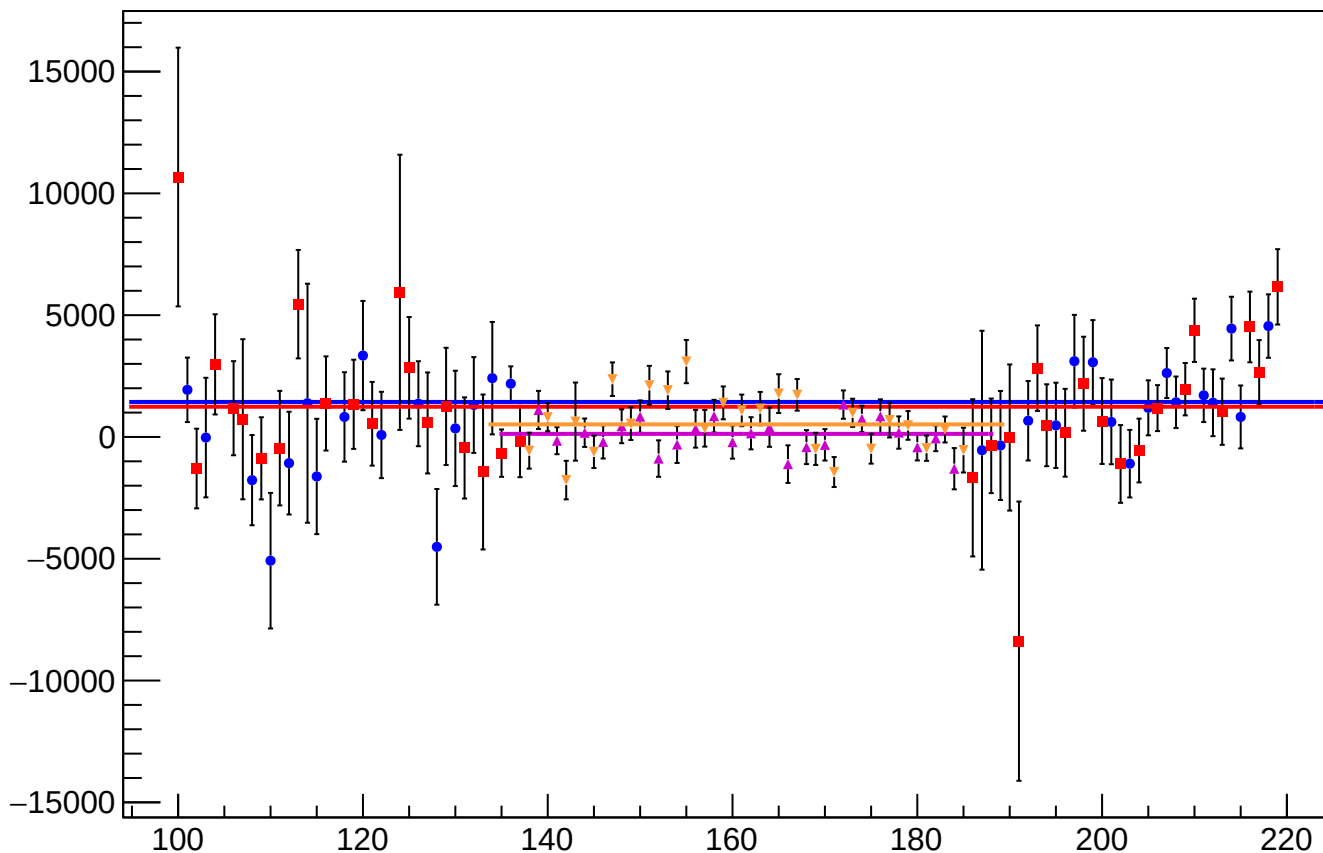
Left In: 1233.752+/-0.204 χ^2/NDF : 39281.8/22

+ sign 1251.825+/-0.141 χ^2/NDF : 743399.5/56

All: 1252.072+/-0.100 χ^2/NDF : 1286290.9/11

- sign 1252.320+/-0.141 χ^2/NDF : 542885.2/59

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug



Right In: 1437.772 ± 270.298 χ^2/NDF : 40.5/31

Left Out: 516.792 ± 135.746 χ^2/NDF : 67.0/24

Right Out: 1240.765 ± 279.291 χ^2/NDF : 52.7/36

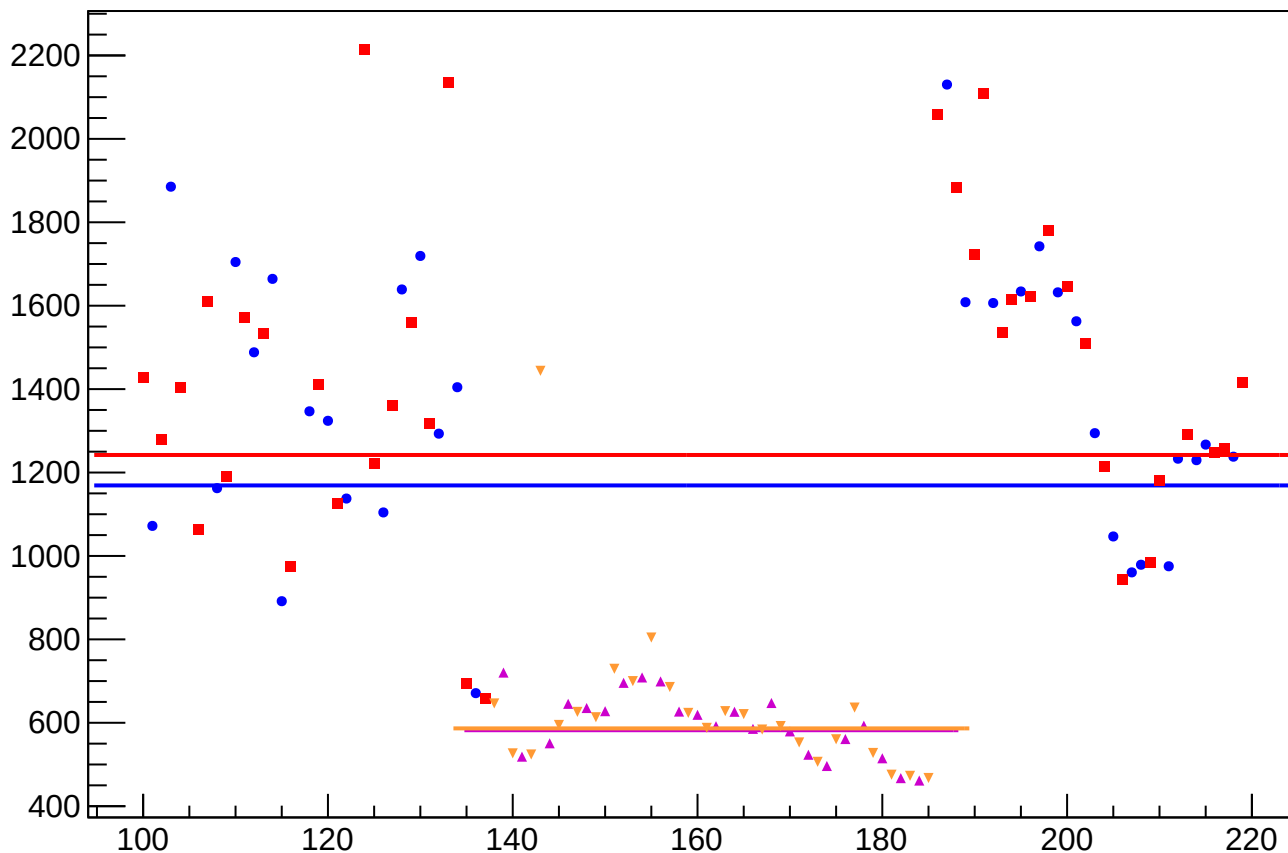
Left In: 126.569 ± 137.266 χ^2/NDF : 21.6/22

+ sign 702.290 ± 121.308 χ^2/NDF : 116.8/56

All: 525.583 ± 86.436 χ^2/NDF : 208.2/116

- sign 343.345 ± 123.192 χ^2/NDF : 87.0/59

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1169.074 $\pm$ 0.191 χ^2 /NDF: 2713343.1/31

Left Out: 586.557 $\pm$ 0.096 χ^2 /NDF: 1202915.7/24

Right Out: 1242.083 $\pm$ 0.197 χ^2 /NDF: 2764689.4/36

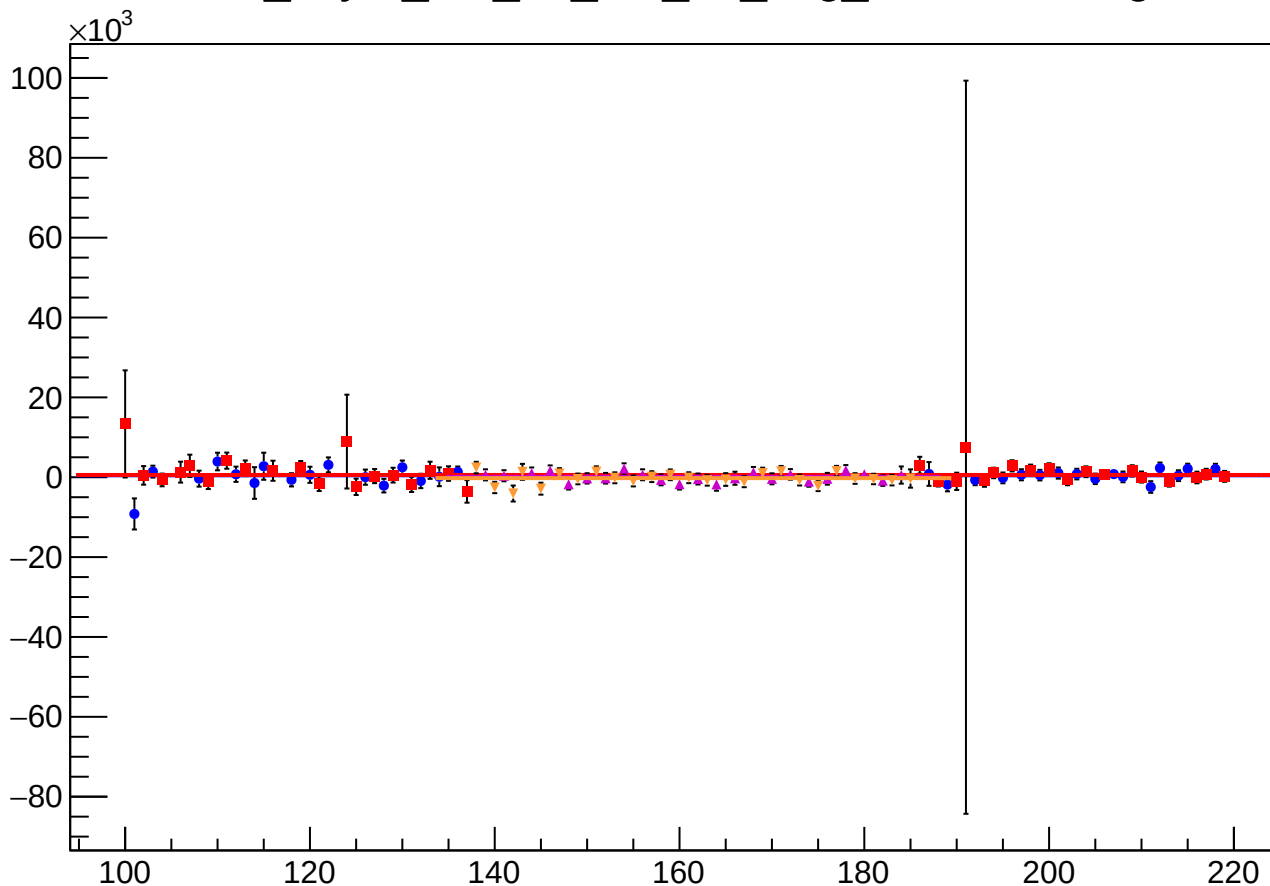
Left In: 582.190 $\pm$ 0.097 χ^2 /NDF: 559261.3/22

+ sign 703.884 $\pm$ 0.086 χ^2 /NDF: 11334177.8/56

All: 707.179 $\pm$ 0.061 χ^2 /NDF: 23653975.6/11

- sign 710.577 $\pm$ 0.087 χ^2 /NDF: 12316800.4/59

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 483.499 $\pm$ 282.483 χ^2 /NDF: 29.6/31

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 569.969 $\pm$ 277.768 χ^2 /NDF: 29.8/36

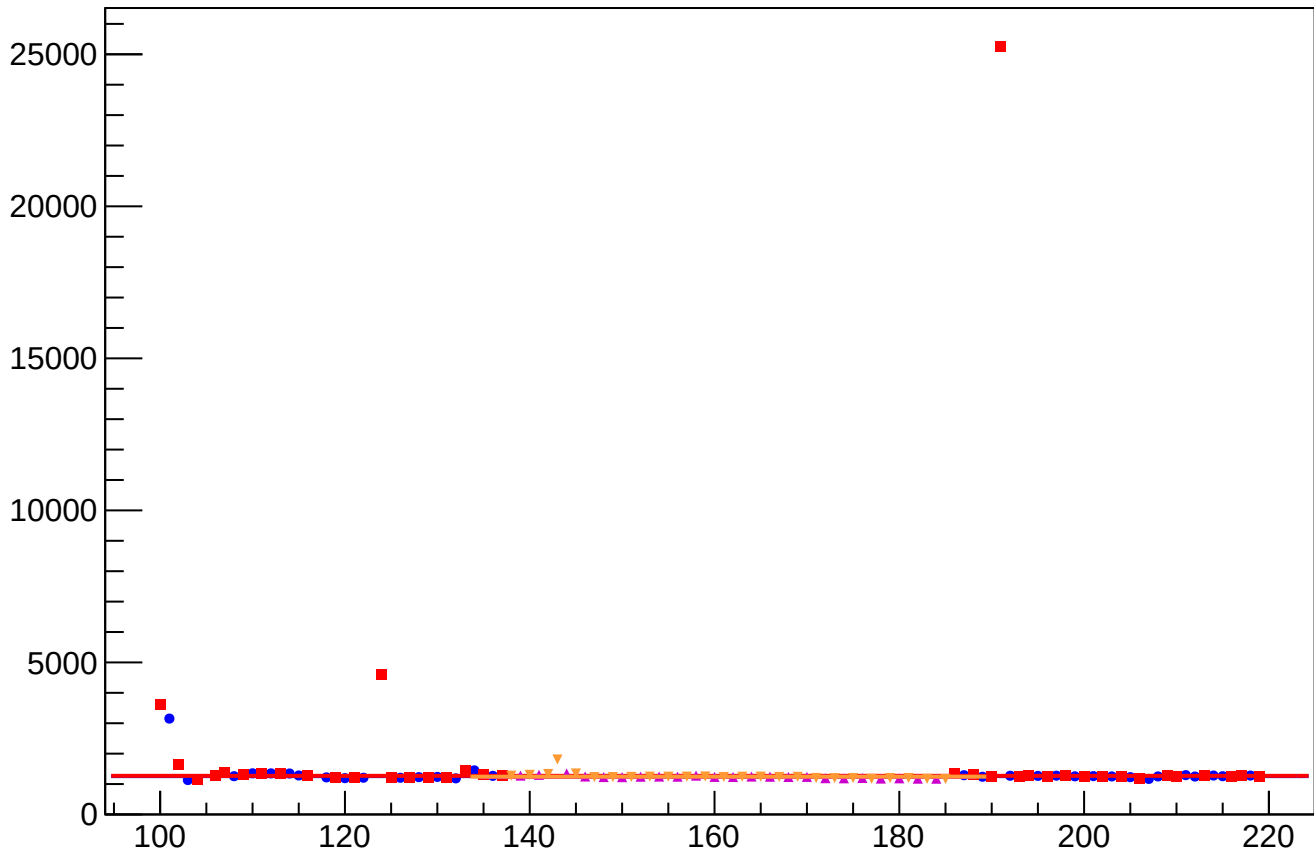
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign 132.084 $\pm$ 199.947 χ^2 /NDF: 56.6/56

All: 236.029 $\pm$ 141.404 χ^2 /NDF: 103.0/116

- sign 340.033 $\pm$ 200.004 χ^2 /NDF: 45.9/59

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1260.790 $\pm$ 0.200 χ^2 /NDF: 536065.5/31

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1270.293 $\pm$ 0.196 χ^2 /NDF: 494791.8/36

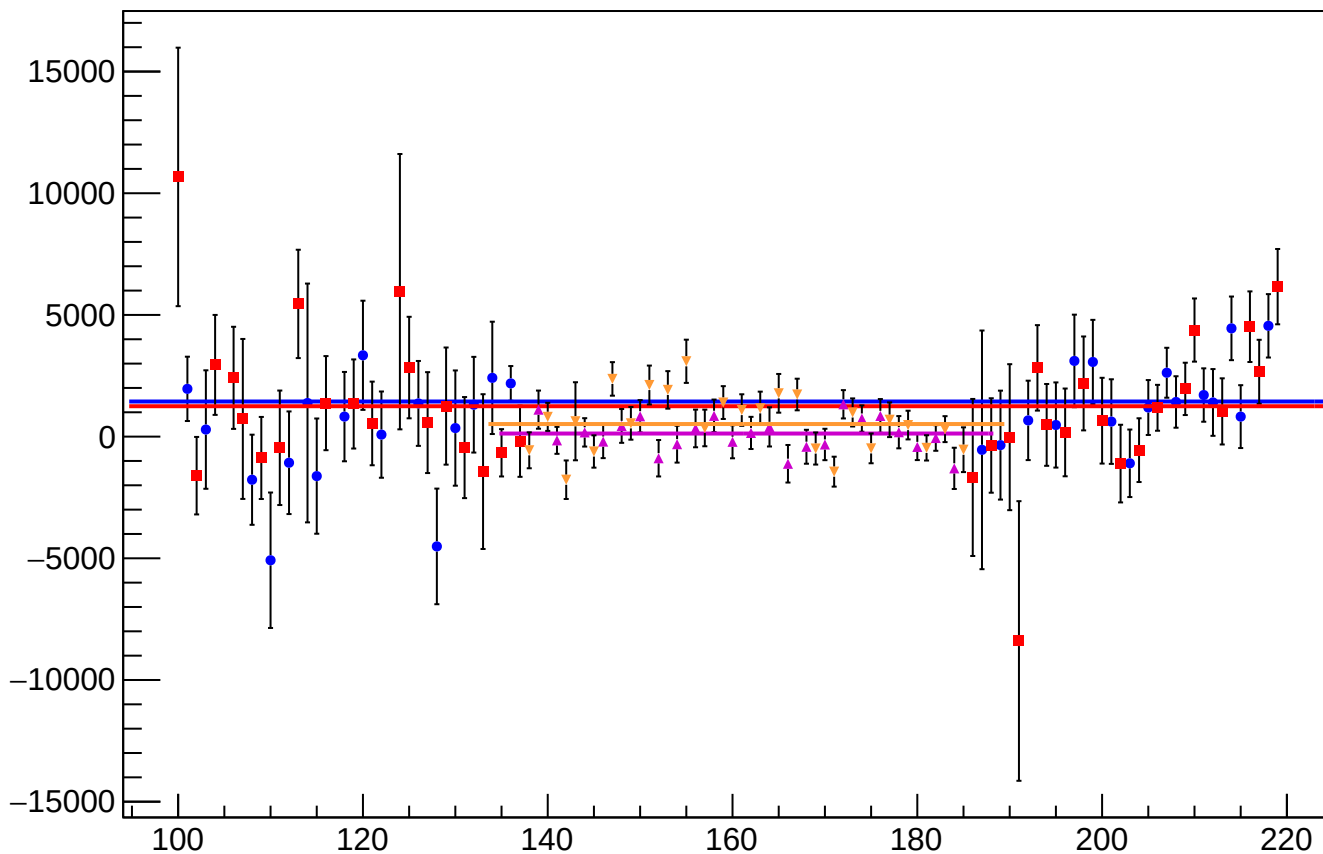
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1251.825 $\pm$ 0.141 χ^2 /NDF: 743400.8/56

All: 1252.261 $\pm$ 0.100 χ^2 /NDF: 1294160.5/11

- sign 1252.697 $\pm$ 0.141 χ^2 /NDF: 550740.7/59

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug



Right In: 1442.612 $\pm$ 270.253 χ^2 /NDF: 40.4/31

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 1248.860 $\pm$ 279.510 χ^2 /NDF: 53.7/36

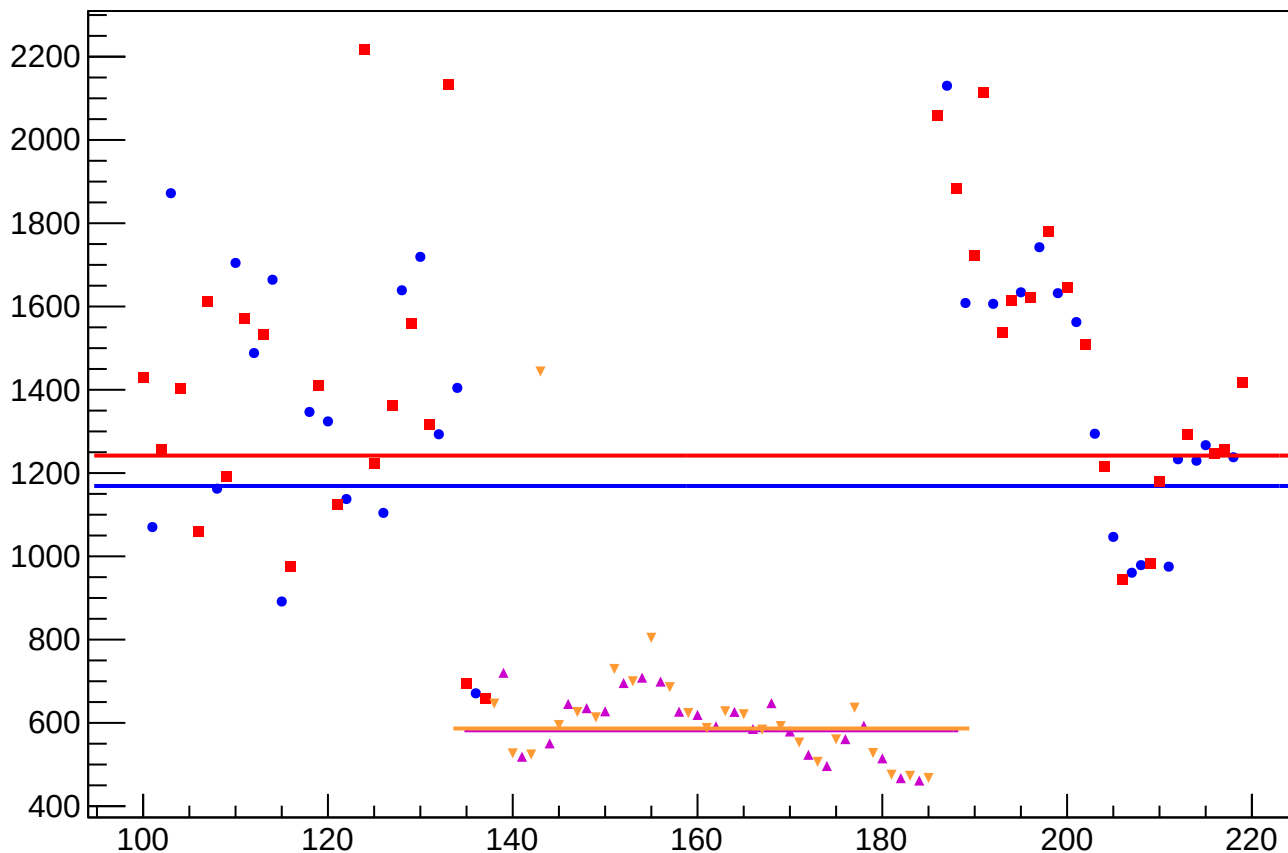
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 703.333 $\pm$ 121.304 χ^2 /NDF: 116.8/56

All: 526.775 $\pm$ 86.441 χ^2 /NDF: 209.4/116

- sign 344.626 $\pm$ 123.210 χ^2 /NDF: 88.3/59

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1168.967 $\pm$ 0.191 χ^2 /NDF: 2710292.2/31

Left Out: 586.562 $\pm$ 0.096 χ^2 /NDF: 1202822.0/24

Right Out: 1241.960 $\pm$ 0.198 χ^2 /NDF: 2762096.2/36

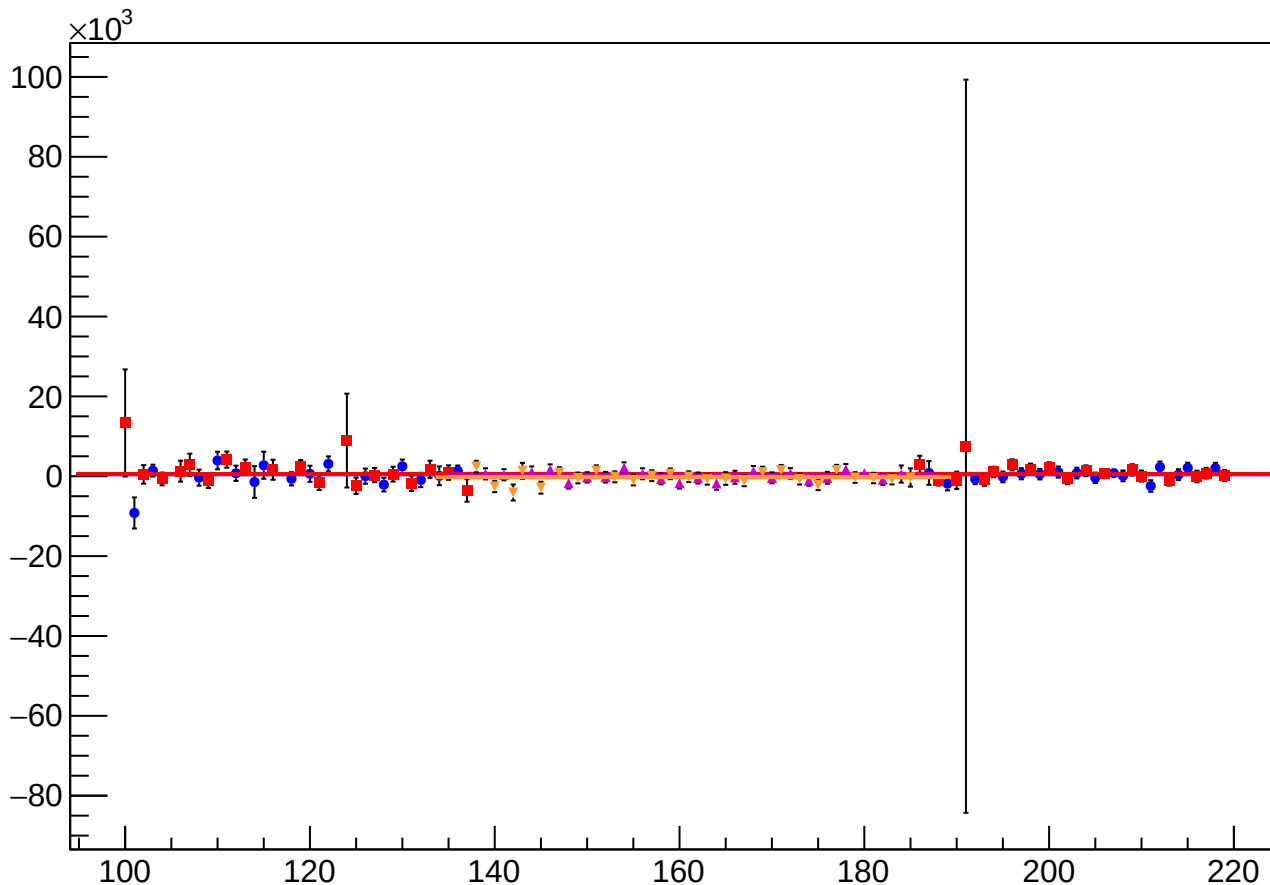
Left In: 582.189 $\pm$ 0.097 χ^2 /NDF: 559258.0/22

+ sign 703.899 $\pm$ 0.086 χ^2 /NDF: 11330153.3/56

All: 707.094 $\pm$ 0.061 χ^2 /NDF: 23632529.6/11

- sign 710.389 $\pm$ 0.087 χ^2 /NDF: 12299558.3/59

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 483.499 $\pm$ 282.483 χ^2 /NDF: 29.6/31

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 569.969 $\pm$ 277.768 χ^2 /NDF: 29.8/36

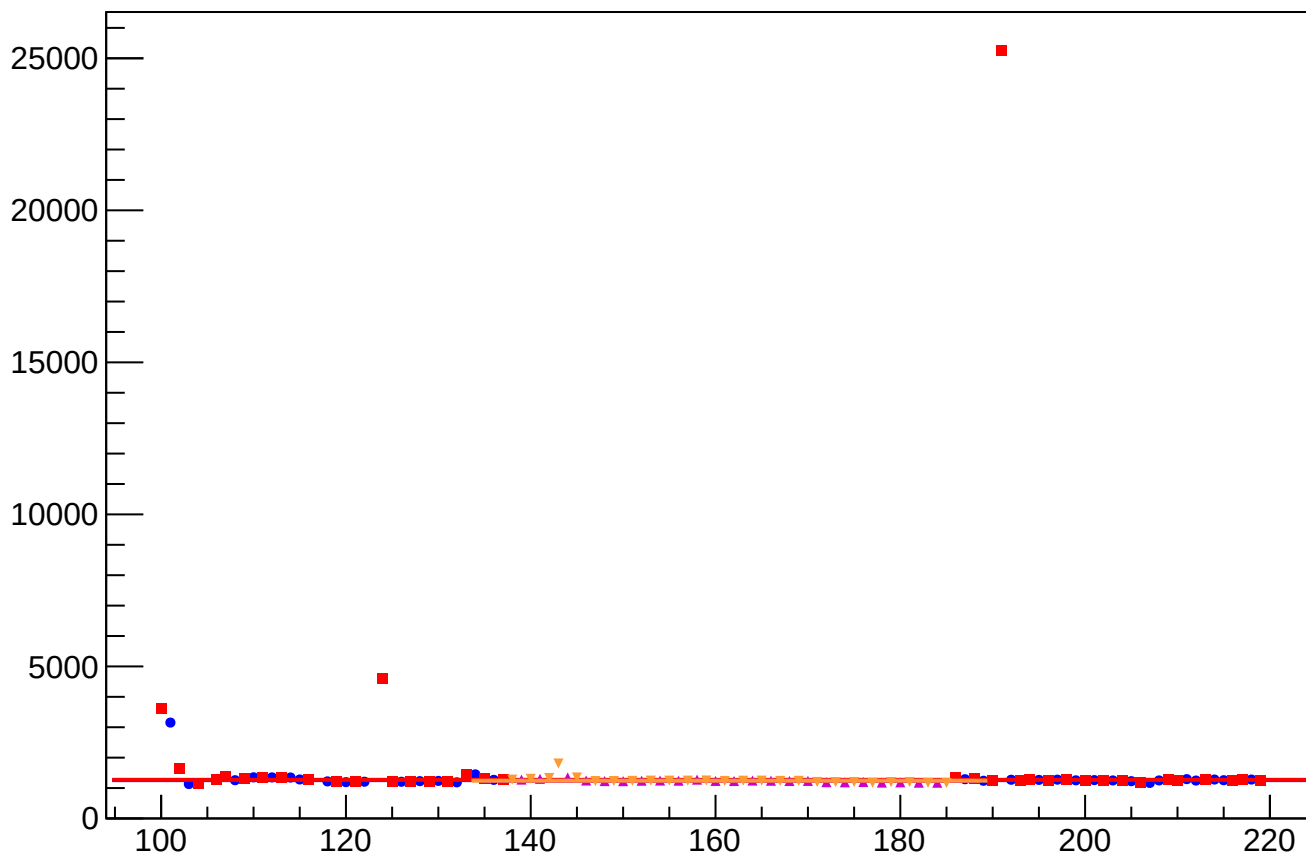
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign 132.084 $\pm$ 199.947 χ^2 /NDF: 56.6/56

All: 236.029 $\pm$ 141.404 χ^2 /NDF: 103.0/116

- sign 340.033 $\pm$ 200.004 χ^2 /NDF: 45.9/59

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1260.790 $\pm$ 0.200 χ^2 /NDF: 536065.5/31

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1270.293 $\pm$ 0.196 χ^2 /NDF: 494791.8/36

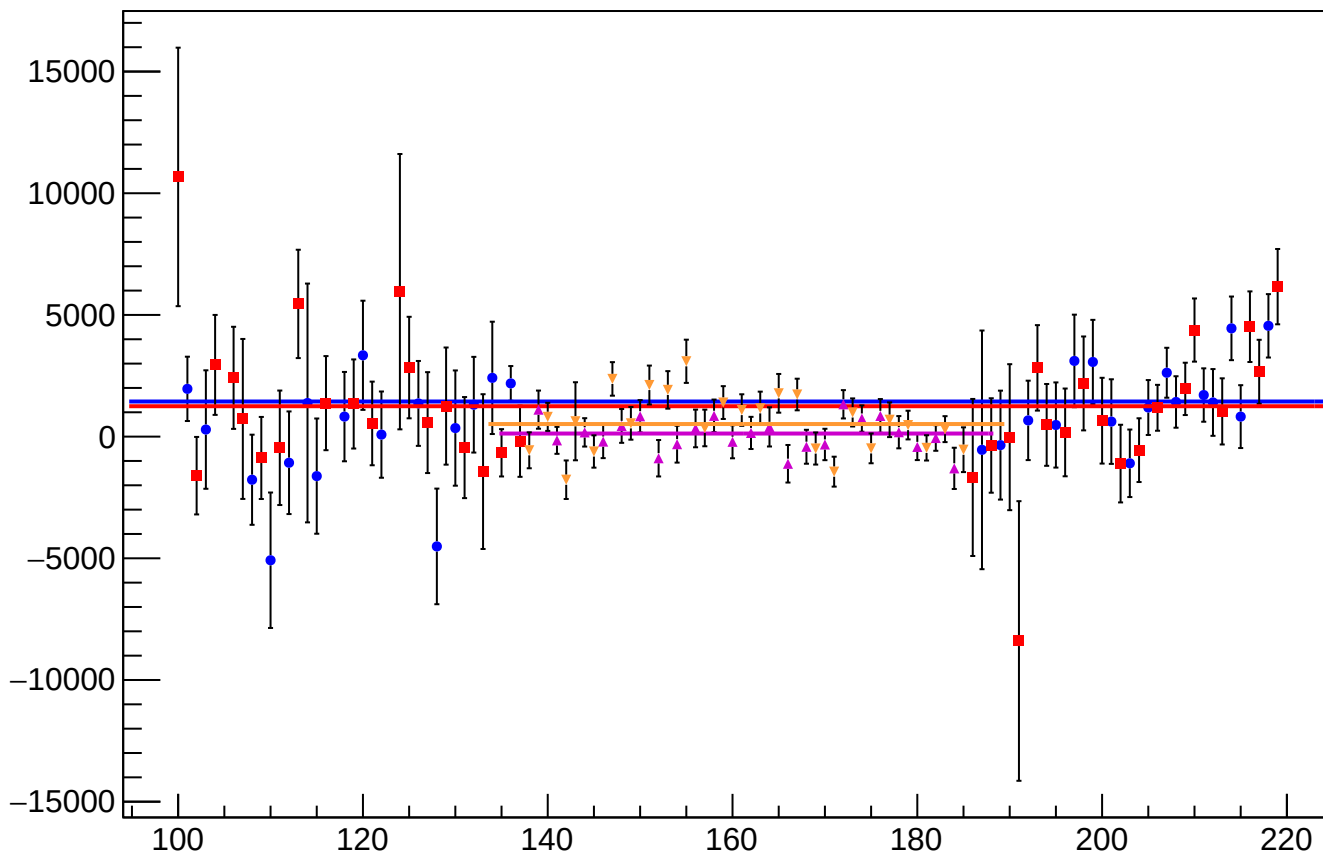
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1251.825 $\pm$ 0.141 χ^2 /NDF: 743400.8/56

All: 1252.261 $\pm$ 0.100 χ^2 /NDF: 1294160.5/11

- sign 1252.697 $\pm$ 0.141 χ^2 /NDF: 550740.7/59

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 1442.612 $\pm$ 270.253 χ^2 /NDF: 40.4/31

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 1248.860 $\pm$ 279.510 χ^2 /NDF: 53.7/36

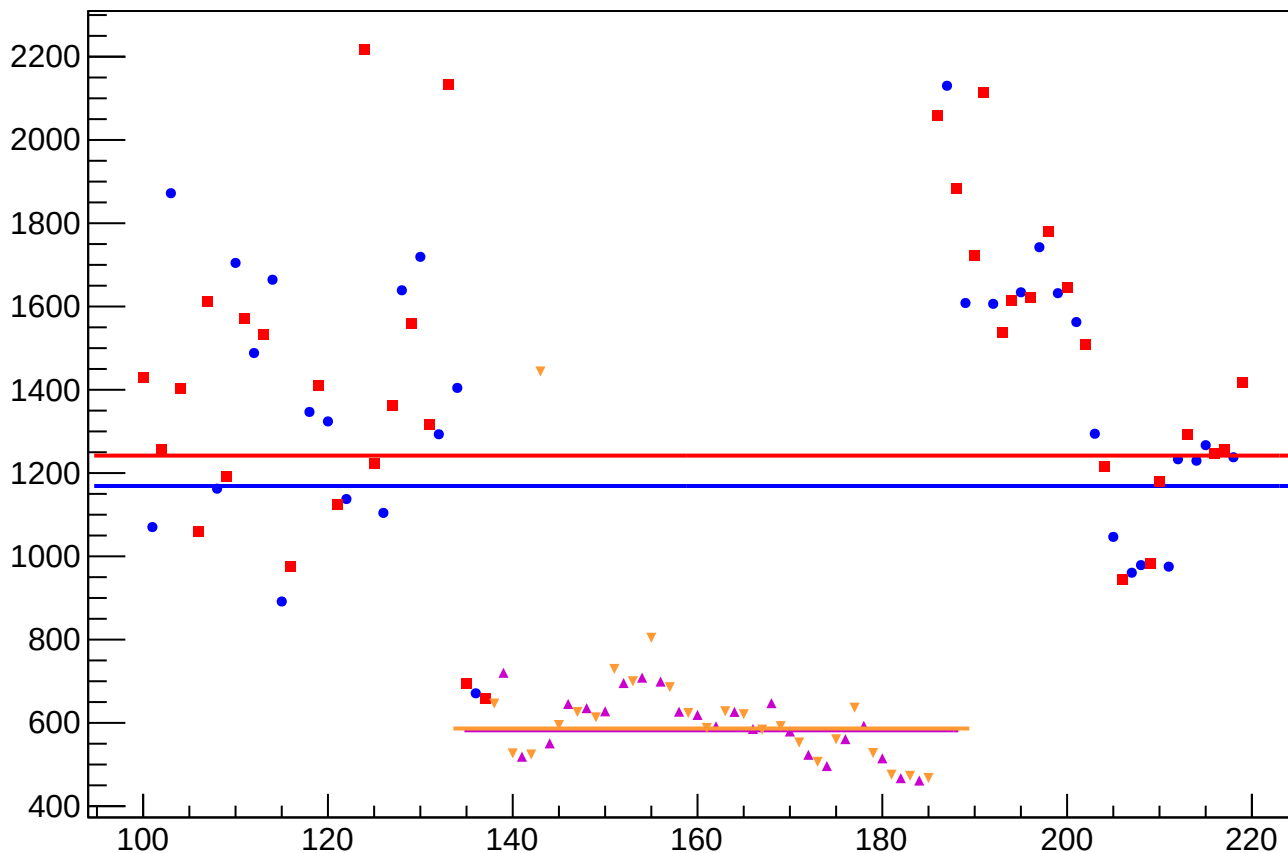
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 703.333 $\pm$ 121.304 χ^2 /NDF: 116.8/56

All: 526.775 $\pm$ 86.441 χ^2 /NDF: 209.4/116

- sign 344.626 $\pm$ 123.210 χ^2 /NDF: 88.3/59

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1168.967 ± 0.191 $\chi^2/\text{NDF}: 2710292.2/31$

Left Out: 586.562 ± 0.096 $\chi^2/\text{NDF}: 1202822.0/24$

Right Out: 1241.960 ± 0.198 $\chi^2/\text{NDF}: 2762096.2/36$

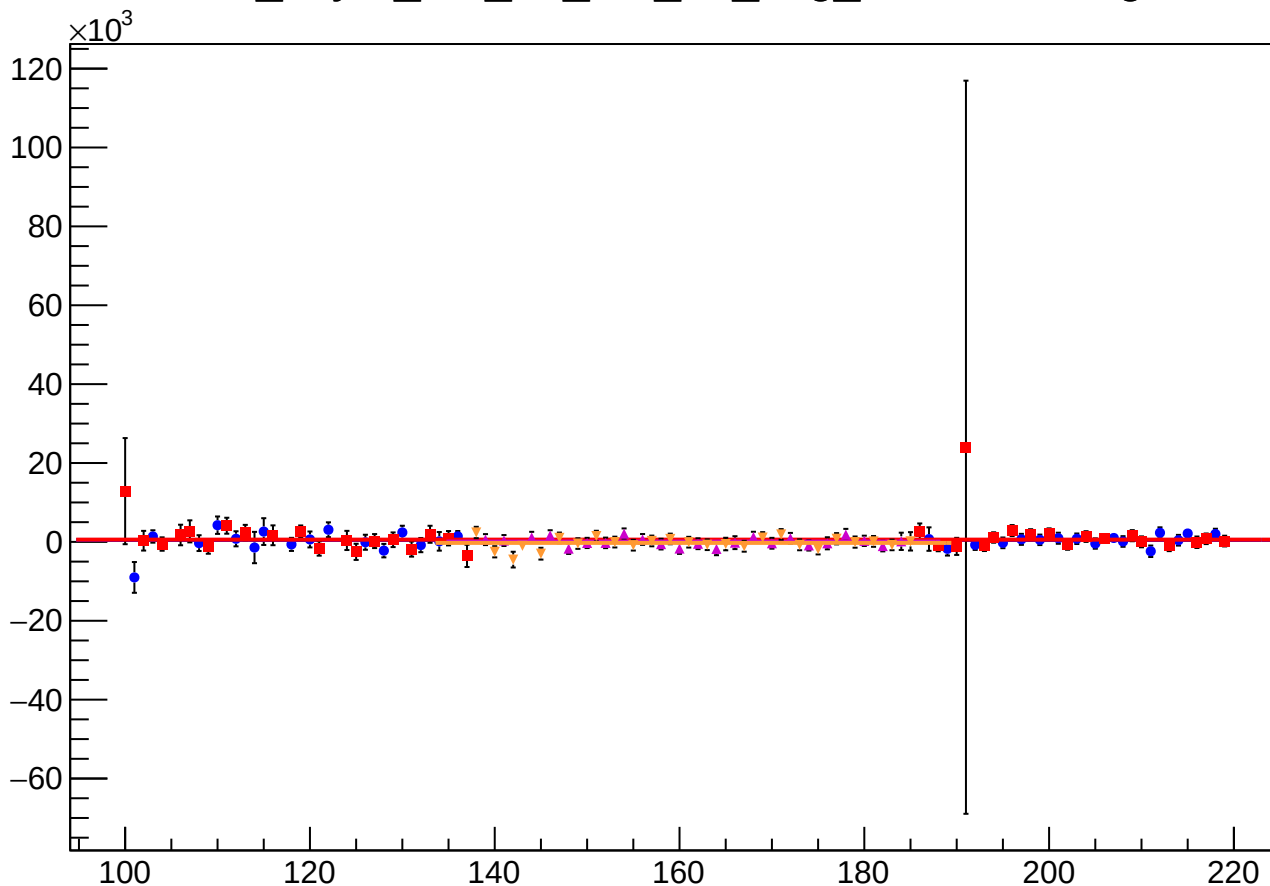
Left In: 582.189 ± 0.097 $\chi^2/\text{NDF}: 559258.0/22$

+ sign 703.899 ± 0.086 $\chi^2/\text{NDF}: 11330153.3/56$

All: 707.094 ± 0.061 $\chi^2/\text{NDF}: 23632529.6/11$

- sign 710.389 ± 0.087 $\chi^2/\text{NDF}: 12299558.3/59$

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 490.221 ± 283.287 χ^2/NDF : 29.5/31

Left Out: -250.849 ± 279.923 χ^2/NDF : 24.0/24

Right Out: 567.132 ± 277.217 χ^2/NDF : 29.3/36

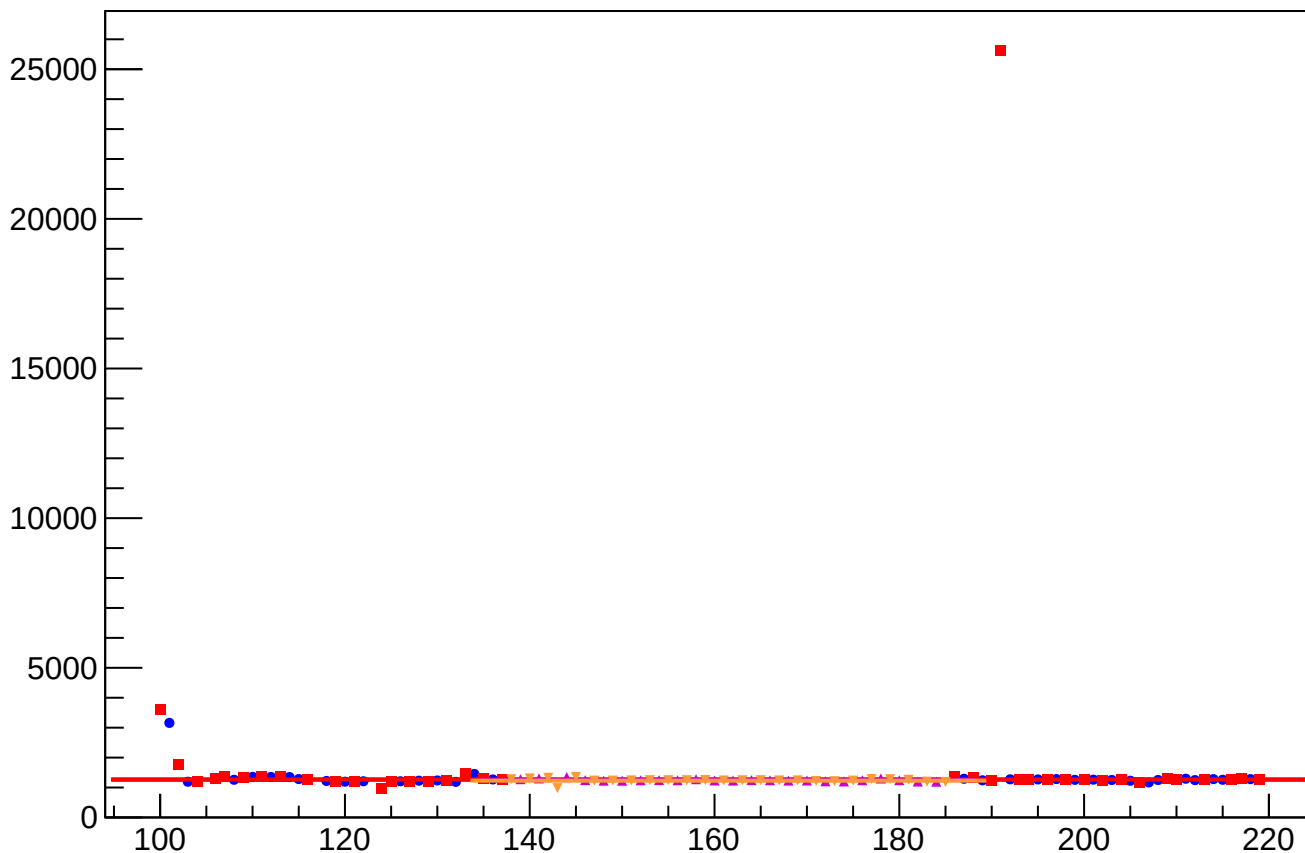
Left In: 74.881 ± 291.458 χ^2/NDF : 14.0/22

+ sign 115.259 ± 199.114 χ^2/NDF : 57.0/56

All: 223.337 ± 141.411 χ^2/NDF : 102.4/116

- sign 333.326 ± 200.868 χ^2/NDF : 44.8/59

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1264.529+/-0.200 χ^2/NDF : 525746.9/31

Left Out: 1229.986+/-0.198 χ^2/NDF : 141607.5/24

Right Out: 1269.128+/-0.196 χ^2/NDF : 385981.7/36

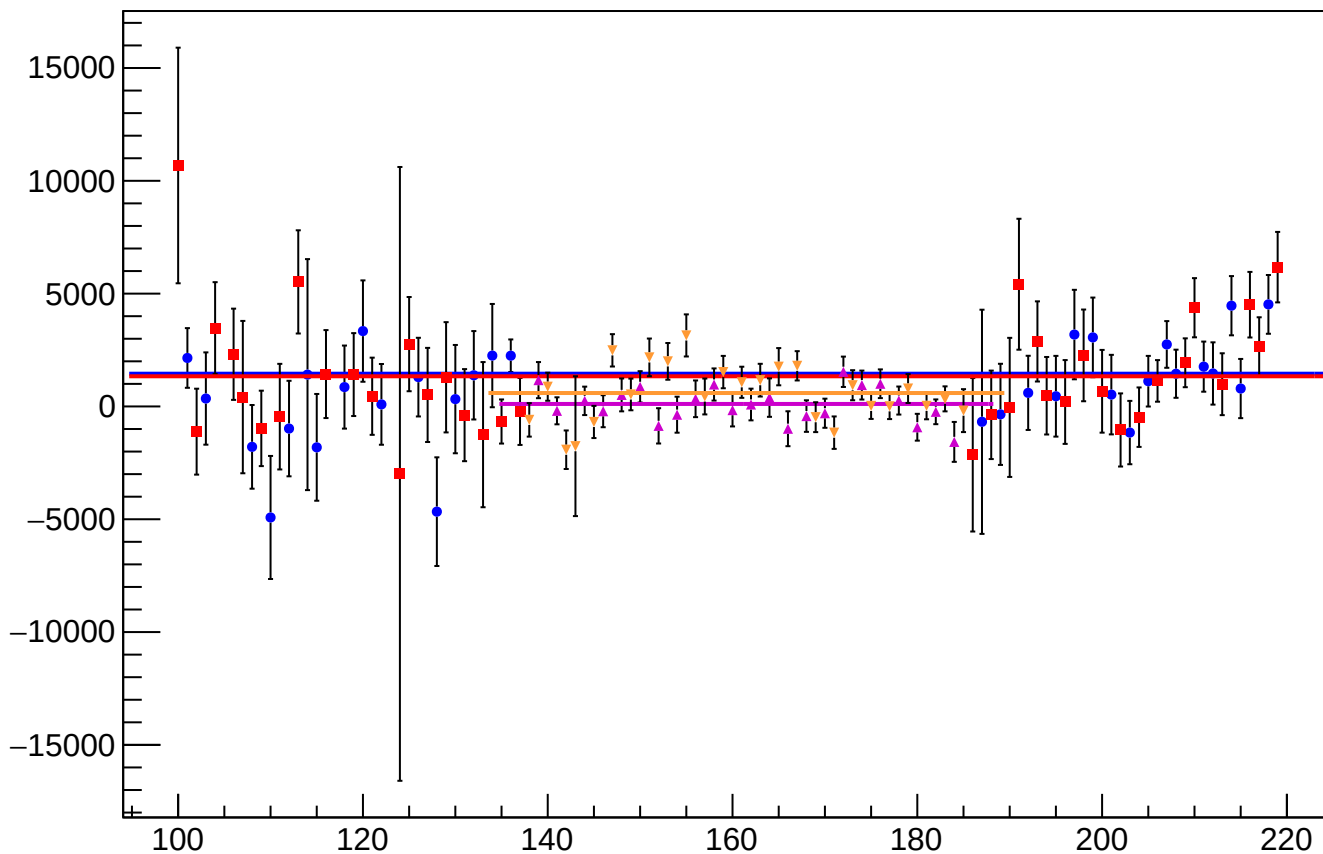
Left In: 1247.785+/-0.206 χ^2/NDF : 27340.8/22

+ sign 1247.051+/-0.141 χ^2/NDF : 682400.4/56

All: 1252.969+/-0.100 χ^2/NDF : 1104917.3/11

- sign 1258.991+/-0.142 χ^2/NDF : 418953.0/59

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug



Right In: 1451.023 $\pm$ 271.650 χ^2 /NDF: 41.3/31

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 1336.522 $\pm$ 281.612 χ^2 /NDF: 50.7/36

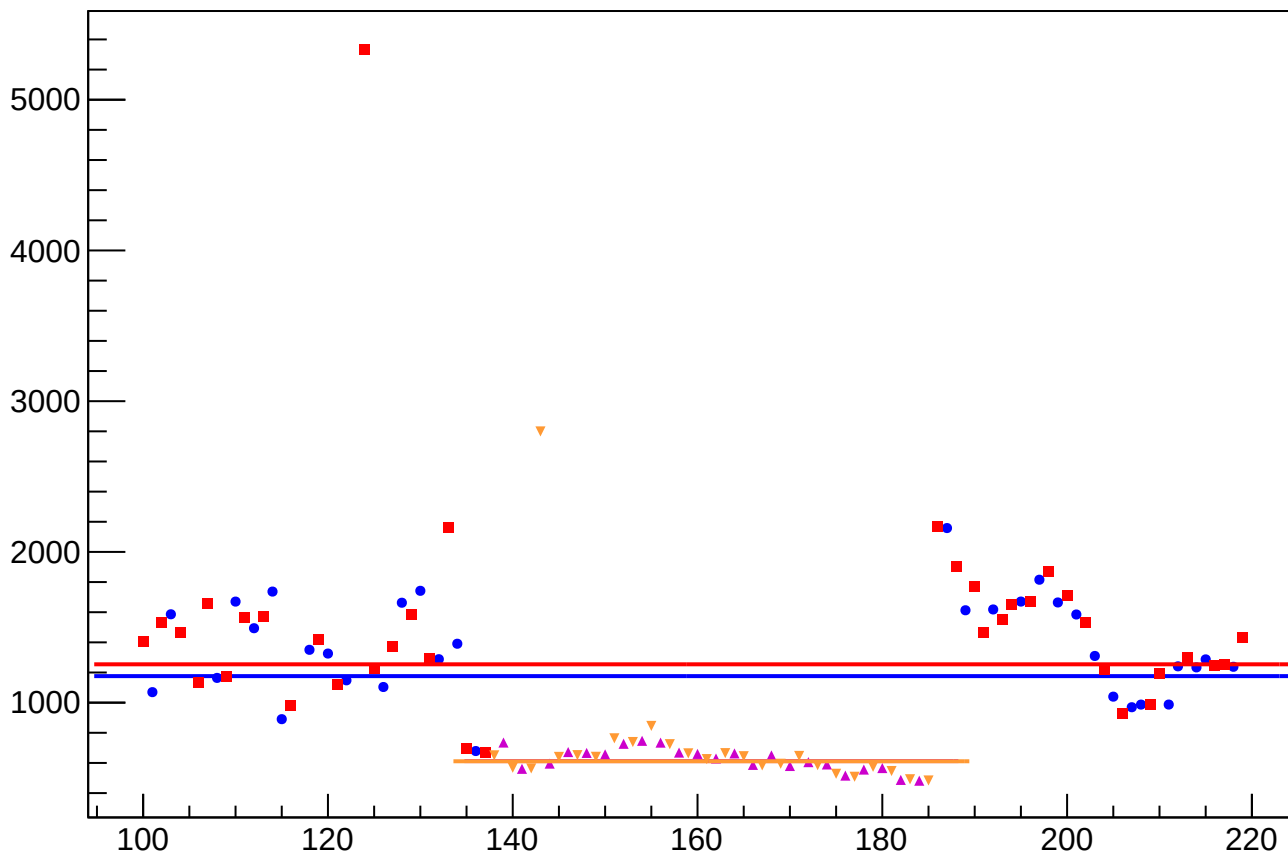
Left In: 110.252 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 778.973 $\pm$ 125.935 χ^2 /NDF: 106.4/56

All: 575.996 $\pm$ 89.899 χ^2 /NDF: 203.1/116

- sign 365.077 $\pm$ 128.374 χ^2 /NDF: 91.4/59

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1176.017 $\pm$ 0.192 χ^2/NDF : 2650740.6/31

Left Out: 611.087 $\pm$ 0.101 χ^2/NDF : 1619322.3/24

Right Out: 1254.351 $\pm$ 0.199 χ^2/NDF : 3056764.1/36

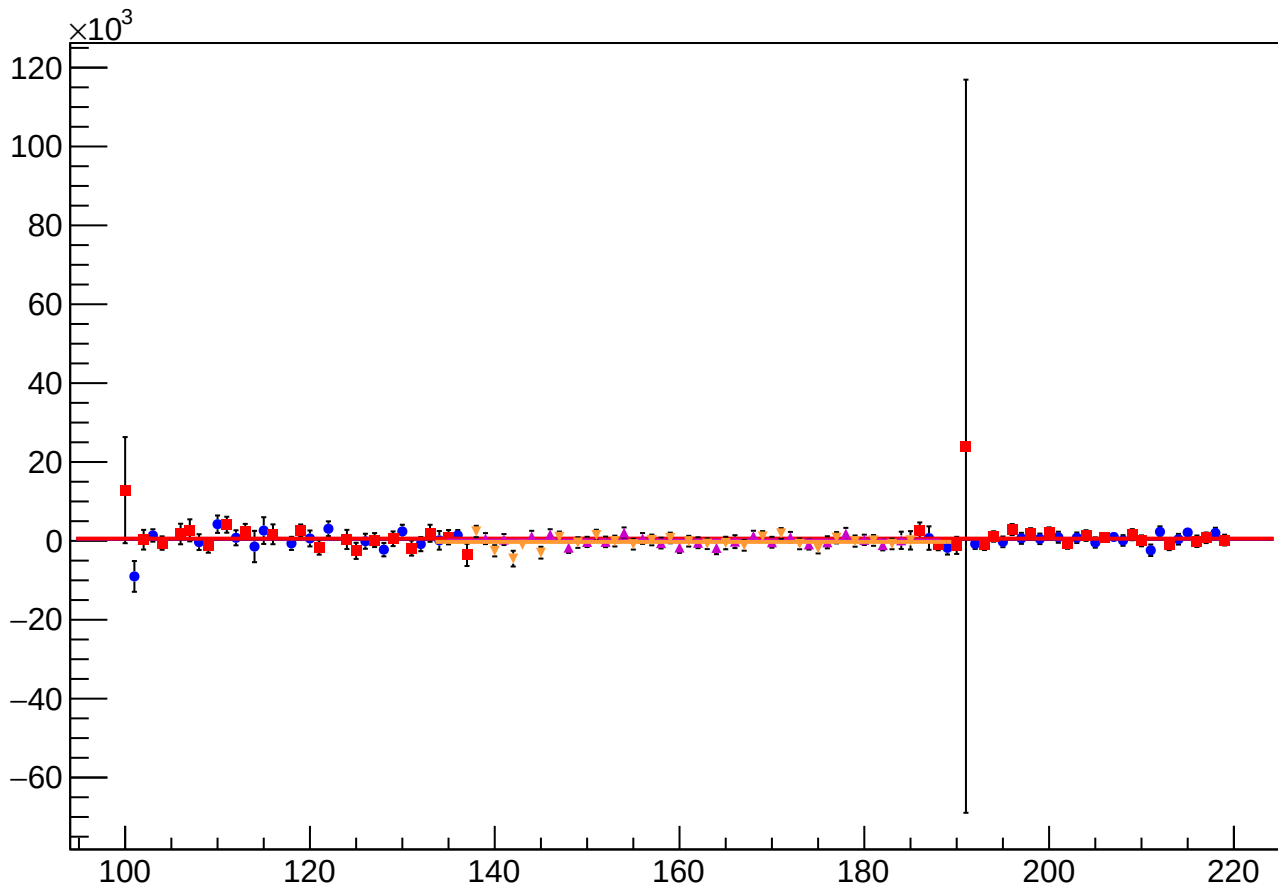
Left In: 612.399 $\pm$ 0.102 χ^2/NDF : 508595.4/22

+ sign 732.500 $\pm$ 0.089 χ^2/NDF : 11060782.0/56

All: 739.022 $\pm$ 0.064 χ^2/NDF : 22870236.5/11

- sign 745.800 $\pm$ 0.091 χ^2/NDF : 11798514.6/59

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 490.217 ± 283.287 χ^2/NDF : 29.5/31

Left Out: -250.851 ± 279.923 χ^2/NDF : 24.0/24

Right Out: 567.130 ± 277.217 χ^2/NDF : 29.3/36

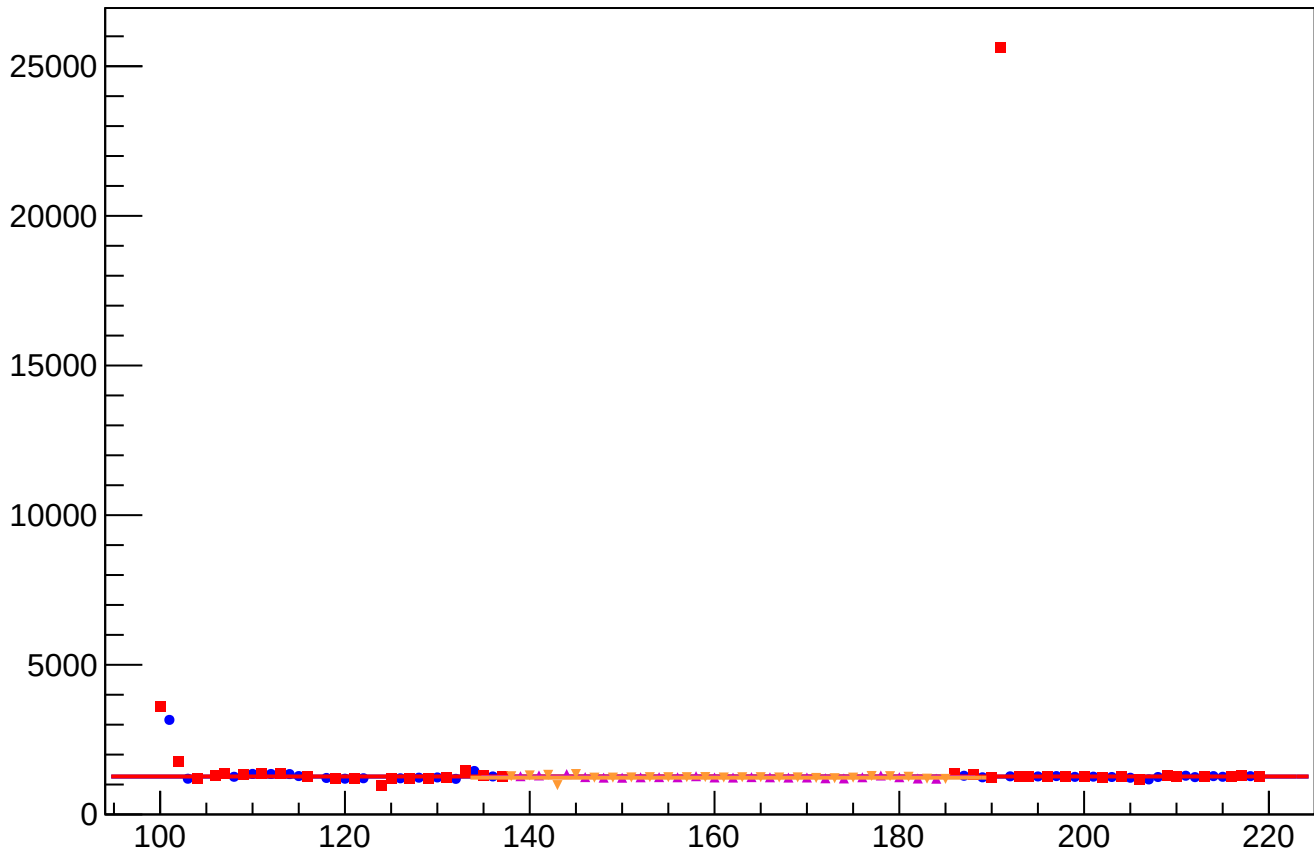
Left In: 74.881 ± 291.458 χ^2/NDF : 14.0/22

+ sign 115.256 ± 199.114 χ^2/NDF : 57.0/56

All: 223.334 ± 141.411 χ^2/NDF : 102.4/116

- sign 333.325 ± 200.868 χ^2/NDF : 44.8/59

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1264.529+/-0.200 χ^2/NDF : 525747.0/31

Left Out: 1229.986+/-0.198 χ^2/NDF : 141606.6/24

Right Out: 1269.128+/-0.196 χ^2/NDF : 385981.5/36

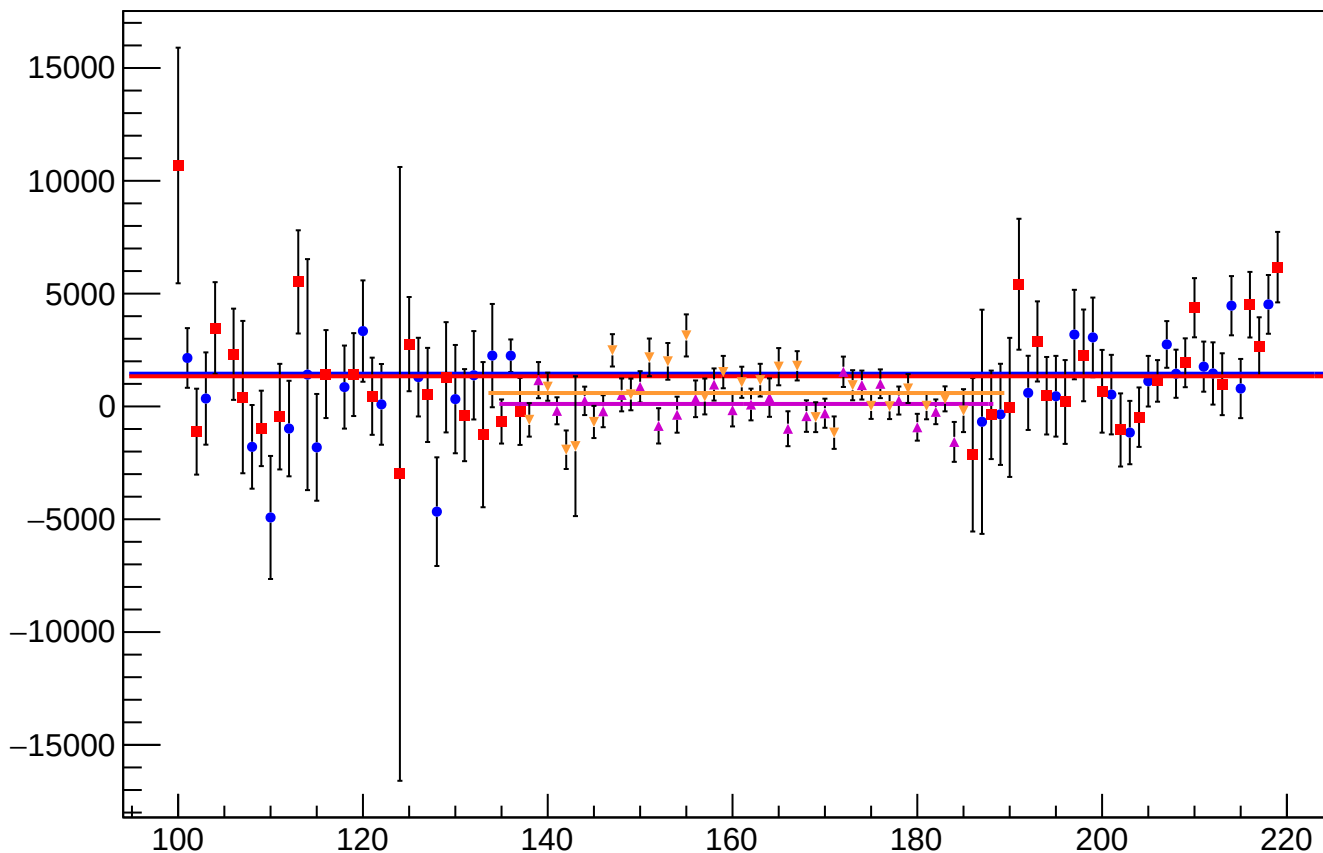
Left In: 1247.785+/-0.206 χ^2/NDF : 27340.7/22

+ sign 1247.051+/-0.141 χ^2/NDF : 682399.5/56

All: 1252.968+/-0.100 χ^2/NDF : 1104916.2/110

- sign 1258.990+/-0.142 χ^2/NDF : 418952.8/59

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug



Right In: 1451.023 ± 271.650 χ^2/NDF : 41.3/31

Left Out: 595.000 ± 142.130 χ^2/NDF : 57.3/24

Right Out: 1336.524 ± 281.612 χ^2/NDF : 50.7/36

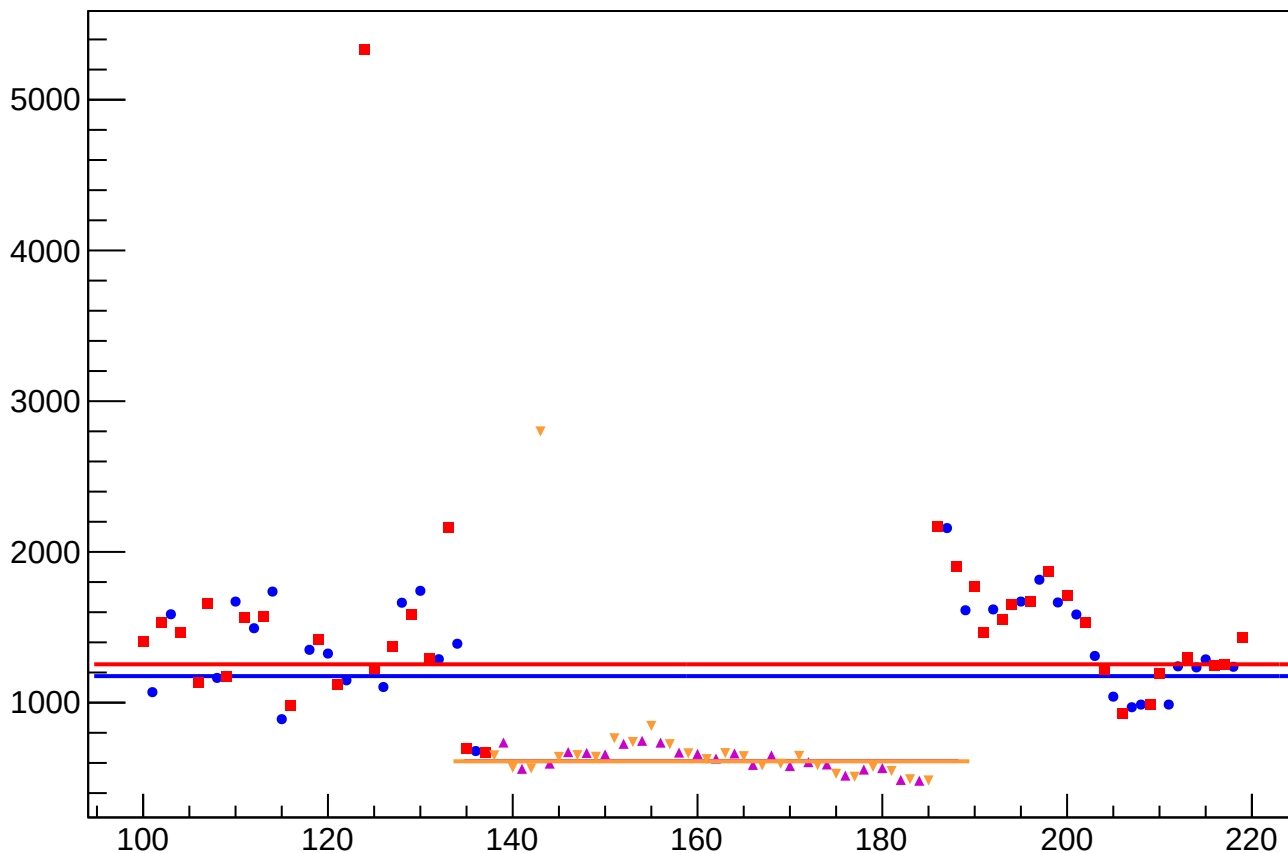
Left In: 110.251 ± 144.232 χ^2/NDF : 25.7/22

+ sign 778.973 ± 125.935 χ^2/NDF : 106.4/56

All: 575.995 ± 89.899 χ^2/NDF : 203.1/116

- sign 365.076 ± 128.374 χ^2/NDF : 91.4/59

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 1176.018 $\pm$ 0.192 χ^2 /NDF: 2650679.5/31

Left Out: 611.086 $\pm$ 0.101 χ^2 /NDF: 1619319.5/24

Right Out: 1254.353 $\pm$ 0.199 χ^2 /NDF: 3056703.2/36

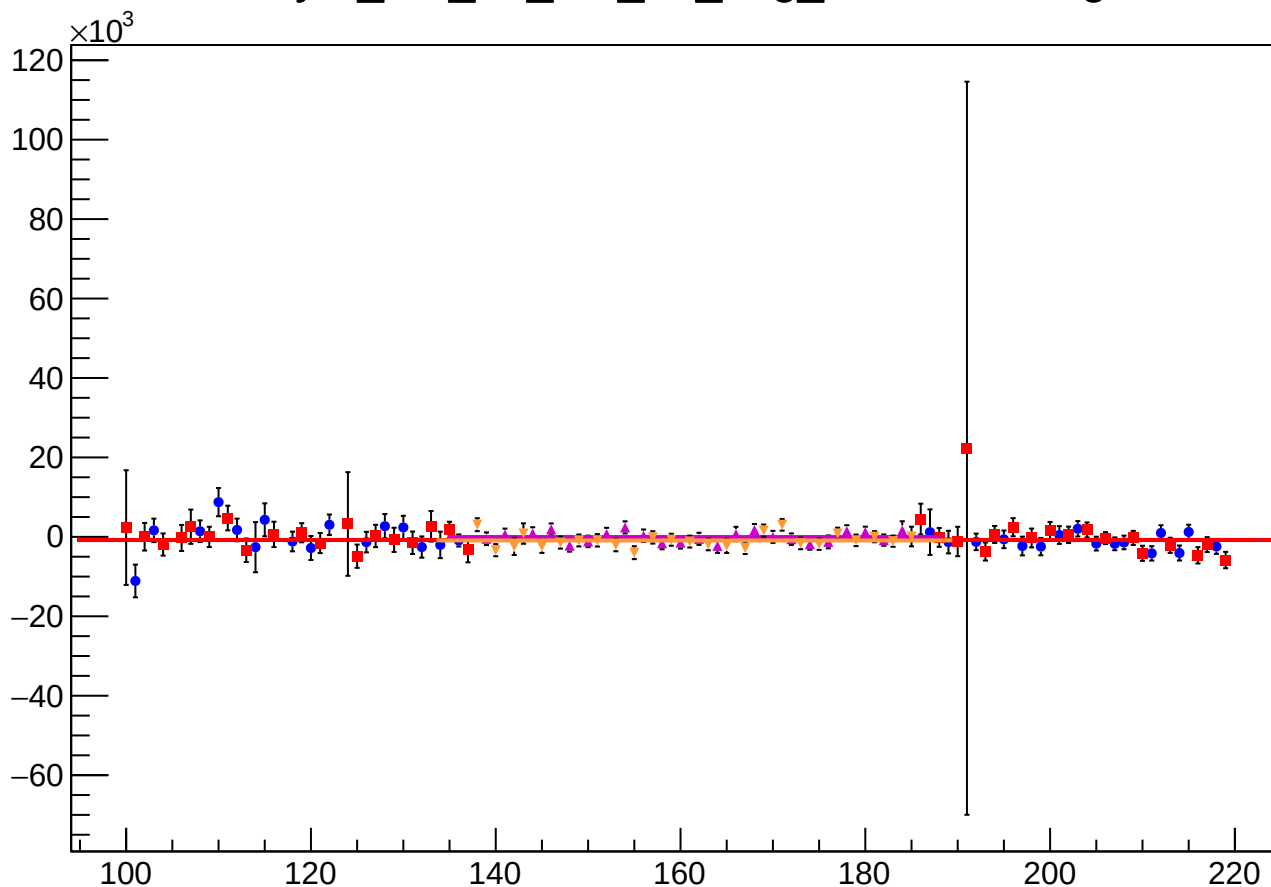
Left In: 612.398 $\pm$ 0.102 χ^2 /NDF: 508597.7/22

+ sign 732.500 $\pm$ 0.089 χ^2 /NDF: 11060743.1/56

All: 739.022 $\pm$ 0.064 χ^2 /NDF: 22870206.4/11

- sign 745.799 $\pm$ 0.091 χ^2 /NDF: 11798524.0/59

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -801.980 $\pm$ 409.146 χ^2 /NDF: 36.5/31

Left Out: -899.894 $\pm$ 316.449 χ^2 /NDF: 29.8/24

Right Out: -771.194 $\pm$ 411.095 χ^2 /NDF: 33.8/36

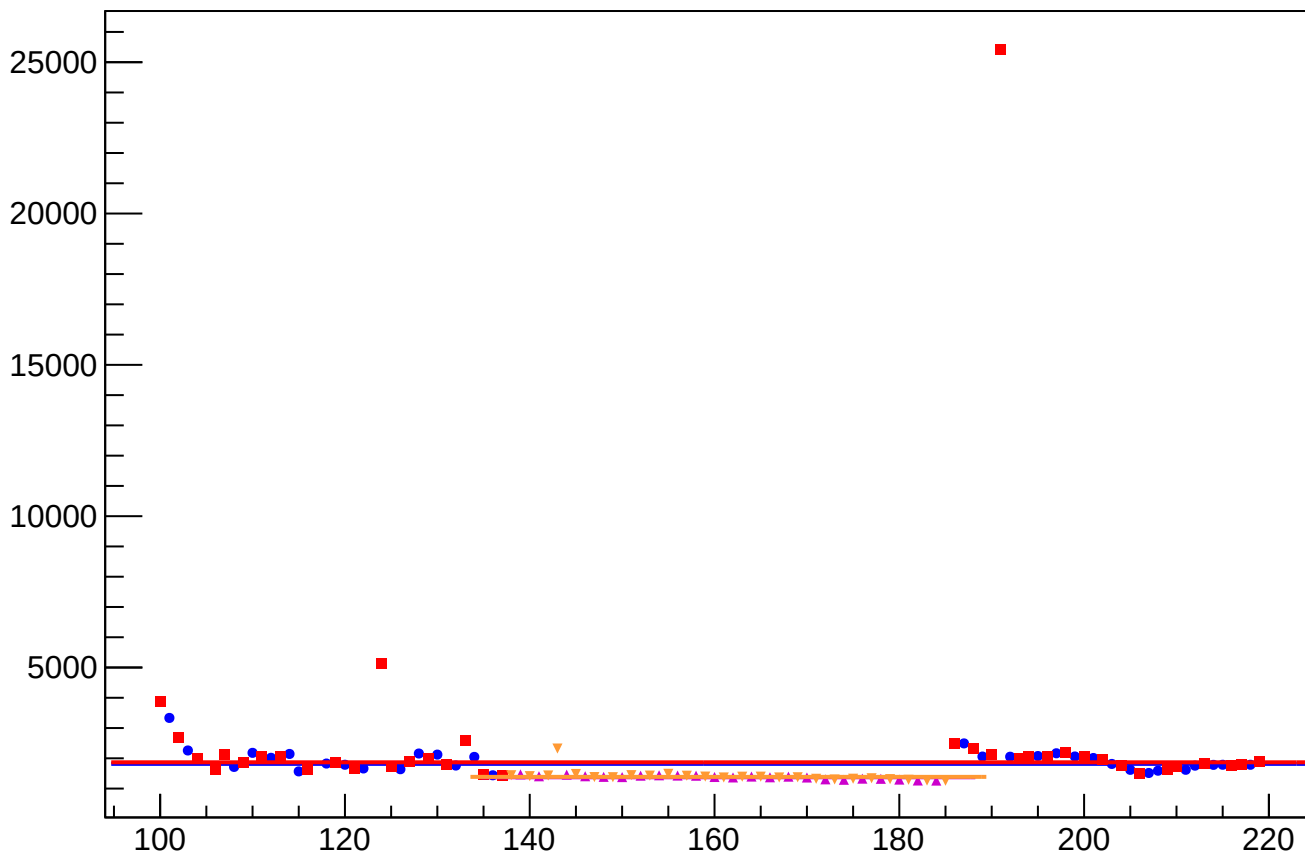
Left In: -48.178 $\pm$ 320.929 χ^2 /NDF: 17.9/22

+ sign -863.245 $\pm$ 250.315 χ^2 /NDF: 66.4/56

All: -595.459 $\pm$ 177.931 χ^2 /NDF: 122.3/116

- sign -321.960 $\pm$ 252.971 χ^2 /NDF: 53.6/59

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1816.005 $\pm$ 0.289 χ^2 /NDF: 894126.1/31

Left Out: 1386.845 $\pm$ 0.224 χ^2 /NDF: 339794.5/24

Right Out: 1868.082 $\pm$ 0.291 χ^2 /NDF: 1060084.3/36

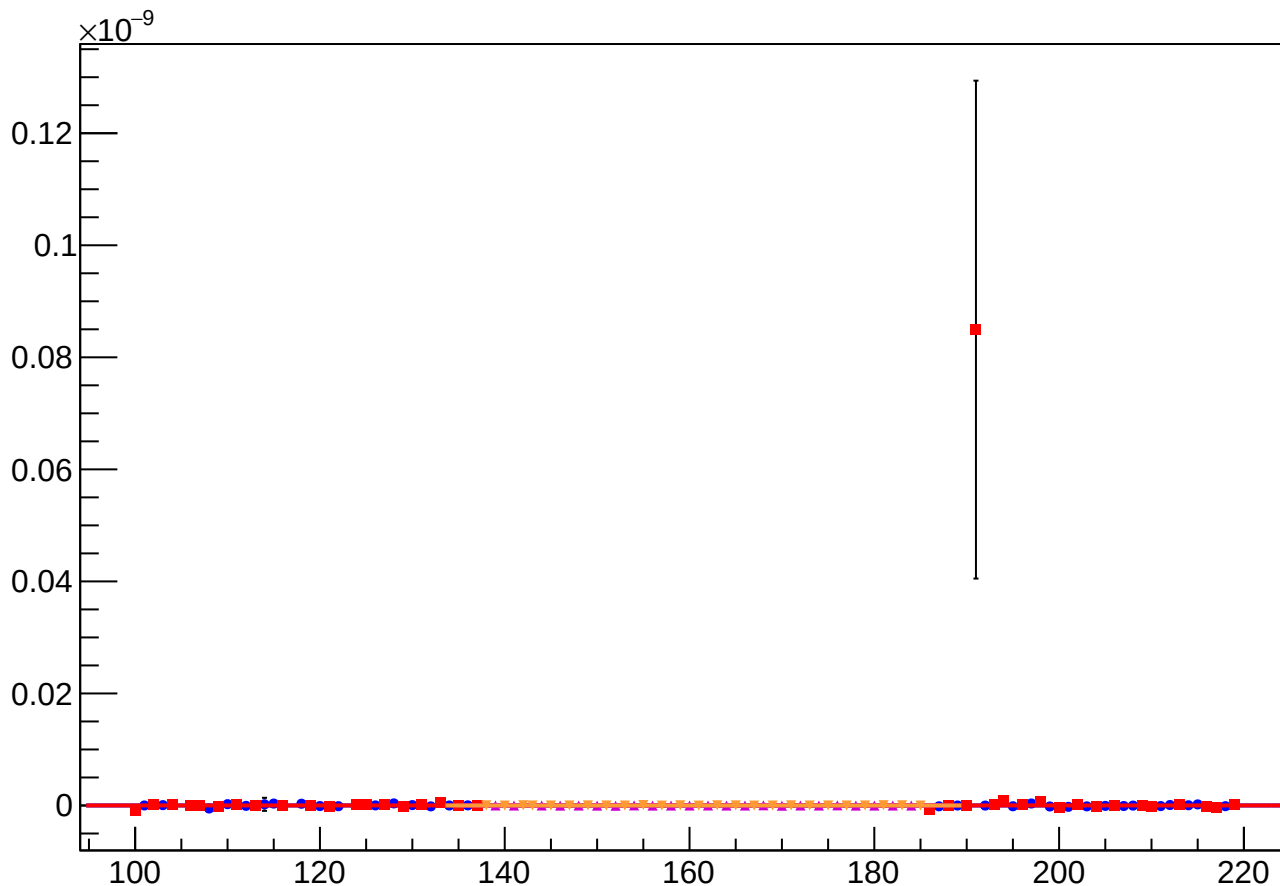
Left In: 1373.217 $\pm$ 0.227 χ^2 /NDF: 64467.6/22

+ sign 1547.479 $\pm$ 0.177 χ^2 /NDF: 2610752.1/56

All: 1553.974 $\pm$ 0.126 χ^2 /NDF: 5538744.9/11

- sign 1560.607 $\pm$ 0.179 χ^2 /NDF: 2925271.3/59

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 28.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 24.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 58.3/36

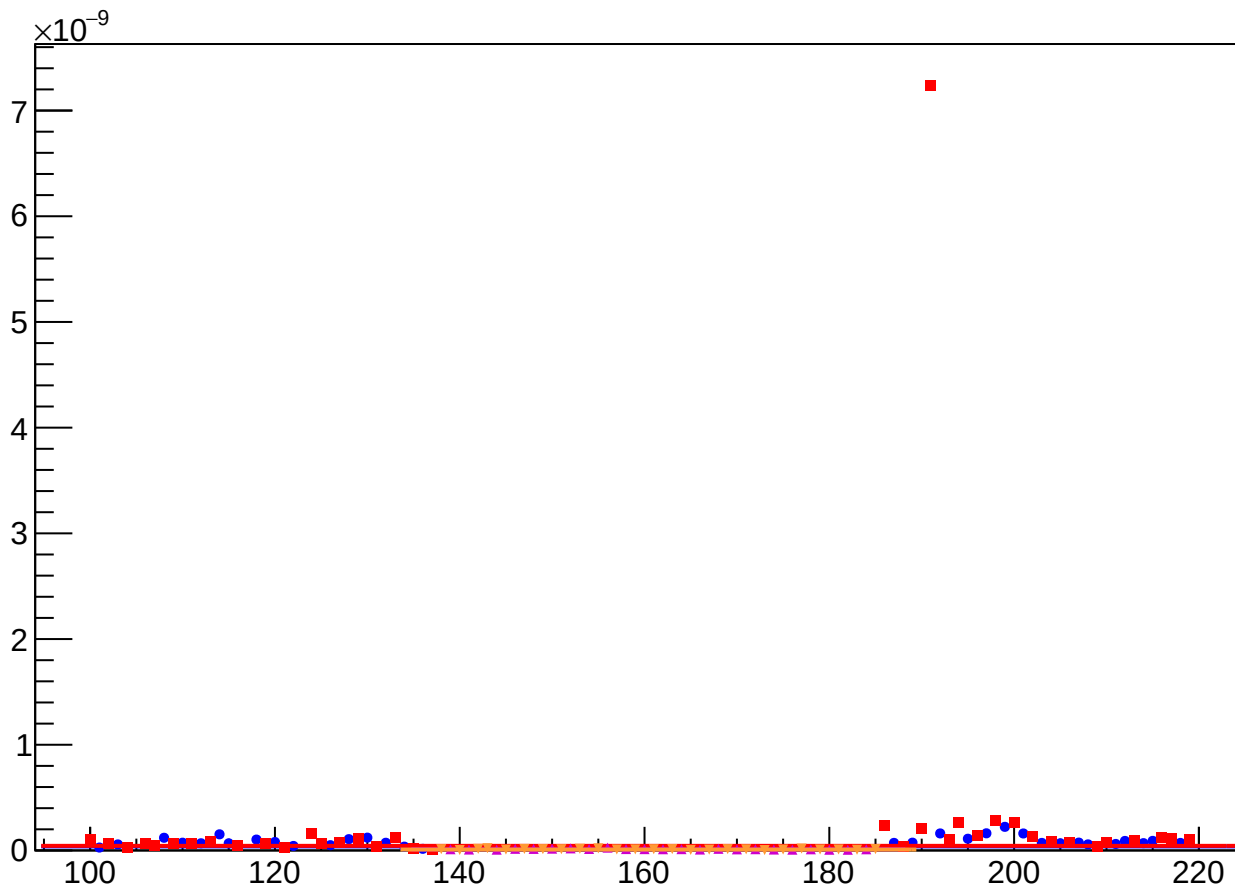
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 13.5/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 53.1/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 125.9/116

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 72.1/59

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7151204.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7896660.7/36

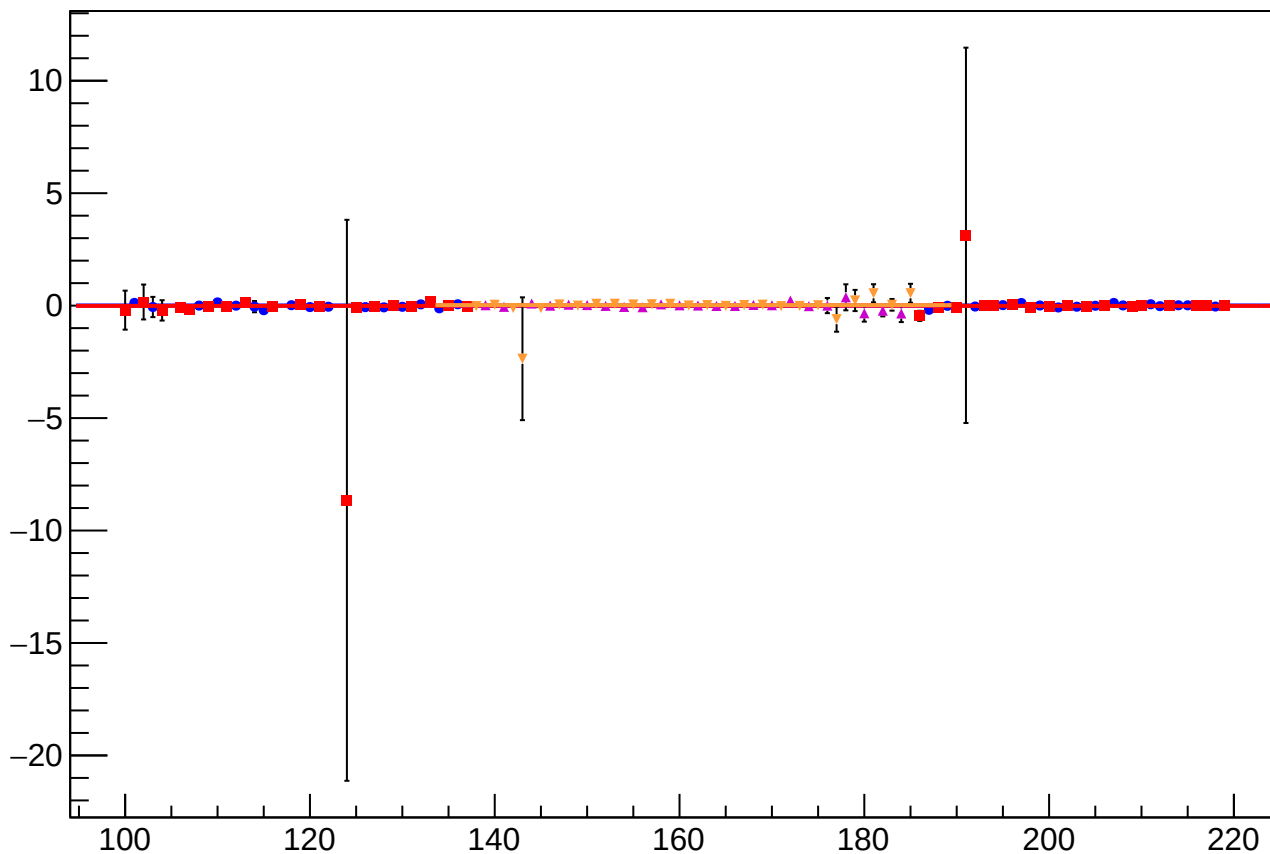
Left In: 0.000+/-0.000 χ^2/NDF : 1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 15419422.1/56

All: 0.000+/-0.000 χ^2/NDF : 30768542.4/116

- sign 0.000+/-0.000 χ^2/NDF : 15062116.3/59

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.008 χ^2/NDF : 48.2/31

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.011 ± 0.008 χ^2/NDF : 24.5/36

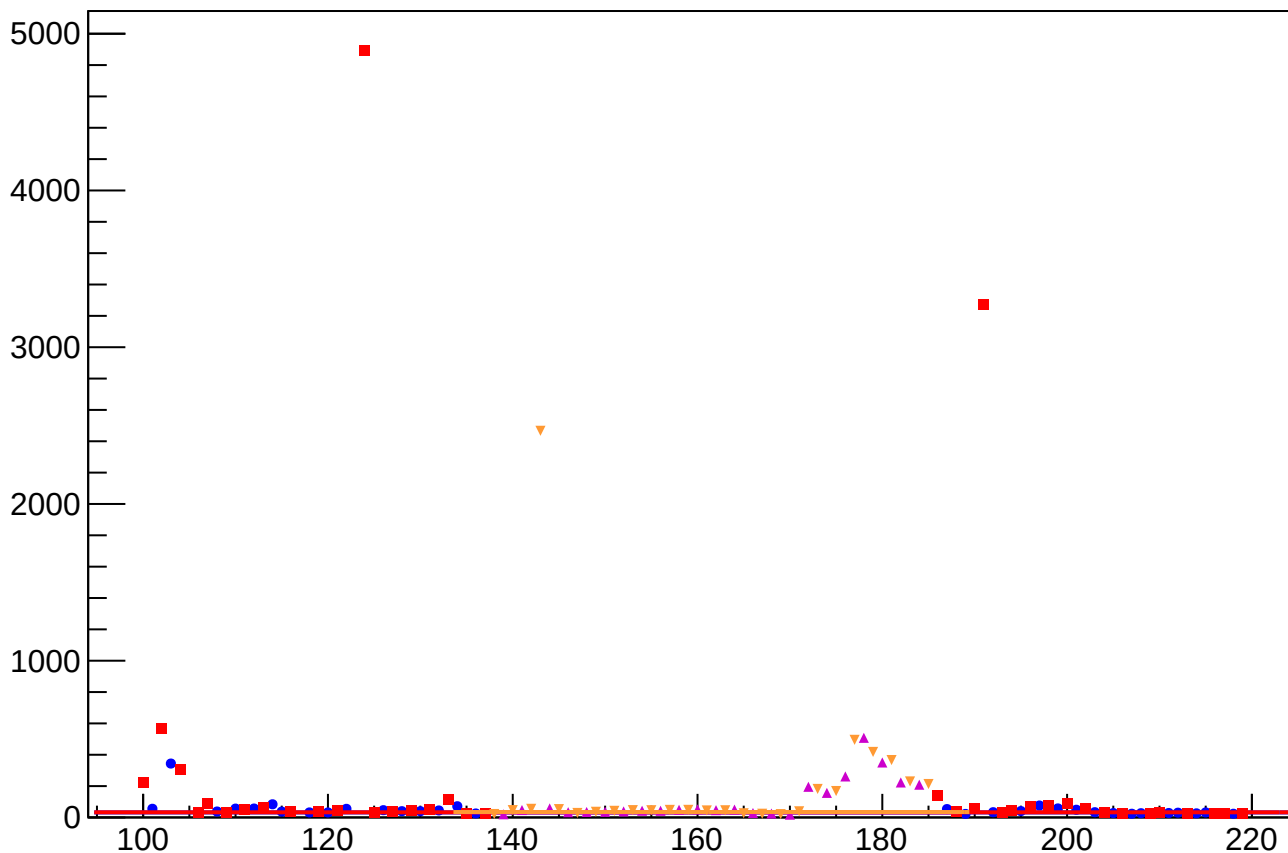
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.013 ± 0.006 χ^2/NDF : 72.8/56

All: 0.005 ± 0.005 χ^2/NDF : 117.4/116

- sign -0.002 ± 0.006 χ^2/NDF : 41.8/59

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 32.041 $\pm$ 0.006 χ^2 /NDF: 3954577.6/31

Left Out: 34.624 $\pm$ 0.007 χ^2 /NDF: 11402451.4/24

Right Out: 32.850 $\pm$ 0.006 χ^2 /NDF: 6862566.4/36

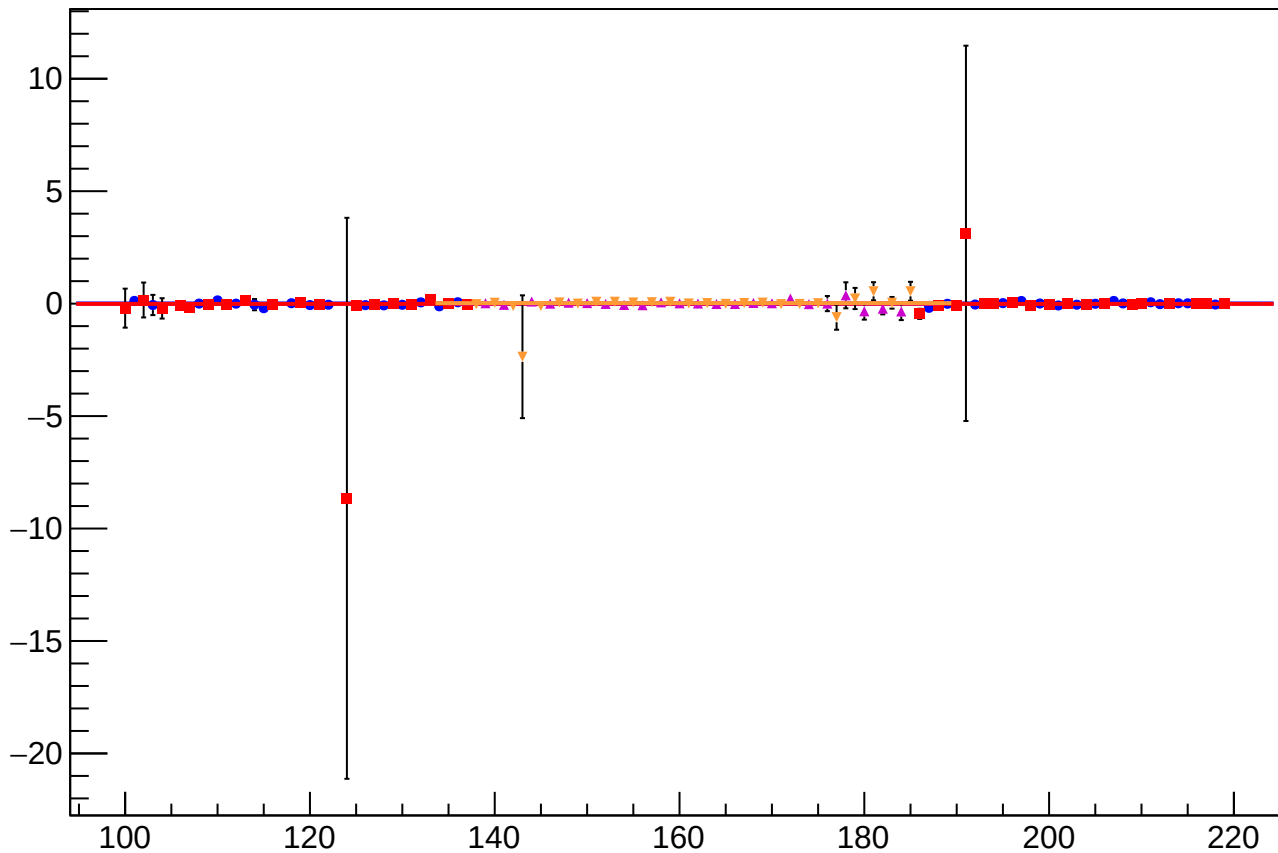
Left In: 33.592 $\pm$ 0.007 χ^2 /NDF: 10067466.4/22

+ sign 33.055 $\pm$ 0.005 χ^2 /NDF: 15434798.1/56

All: 33.108 $\pm$ 0.003 χ^2 /NDF: 32371574.0/116

- sign 33.162 $\pm$ 0.005 χ^2 /NDF: 16936500.7/59

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.008 χ^2/NDF : 48.2/31

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.011 ± 0.008 χ^2/NDF : 24.5/36

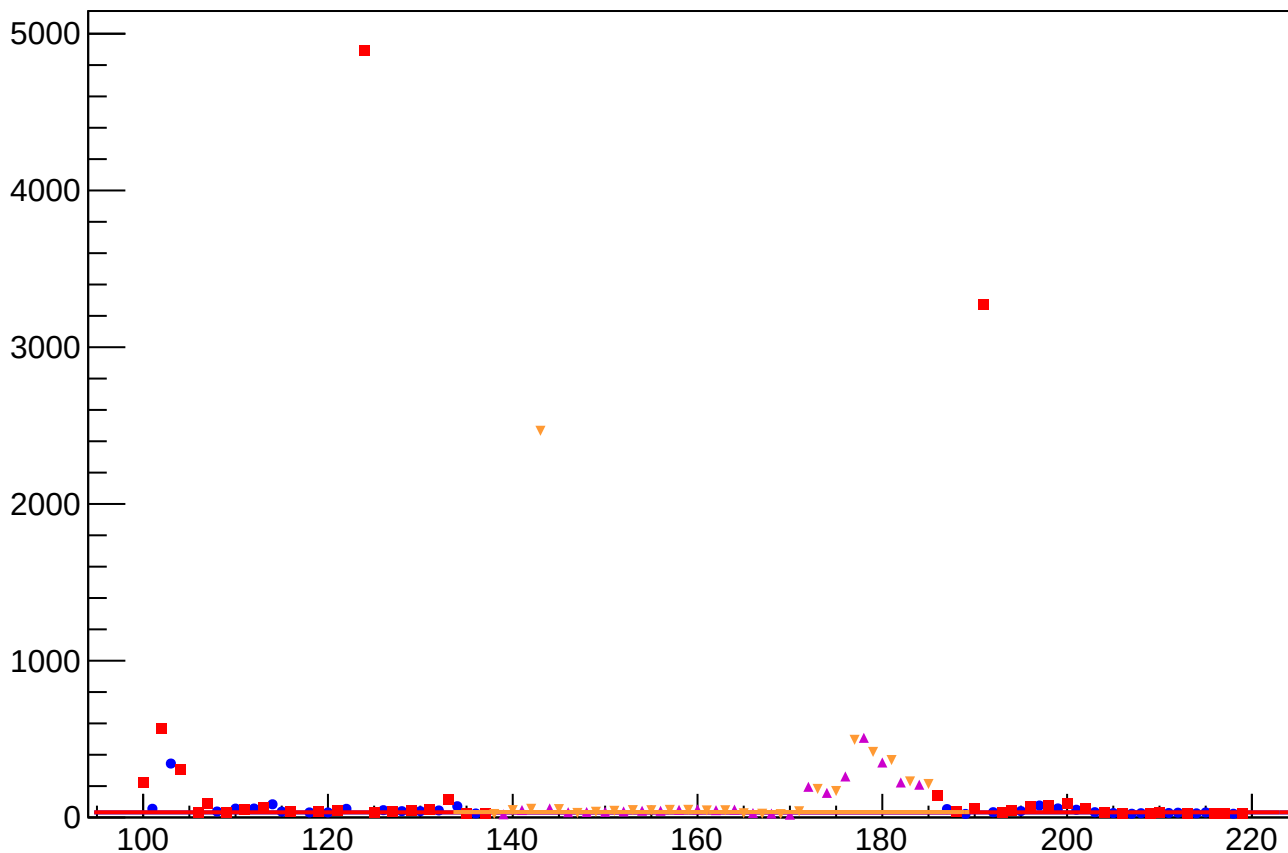
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.013 ± 0.006 χ^2/NDF : 72.8/56

All: 0.005 ± 0.005 χ^2/NDF : 117.4/116

- sign -0.002 ± 0.006 χ^2/NDF : 41.8/59

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.041 $\pm$ 0.006 χ^2 /NDF: 3954577.6/31

Left Out: 34.624 $\pm$ 0.007 χ^2 /NDF: 11402451.4/24

Right Out: 32.850 $\pm$ 0.006 χ^2 /NDF: 6862566.4/36

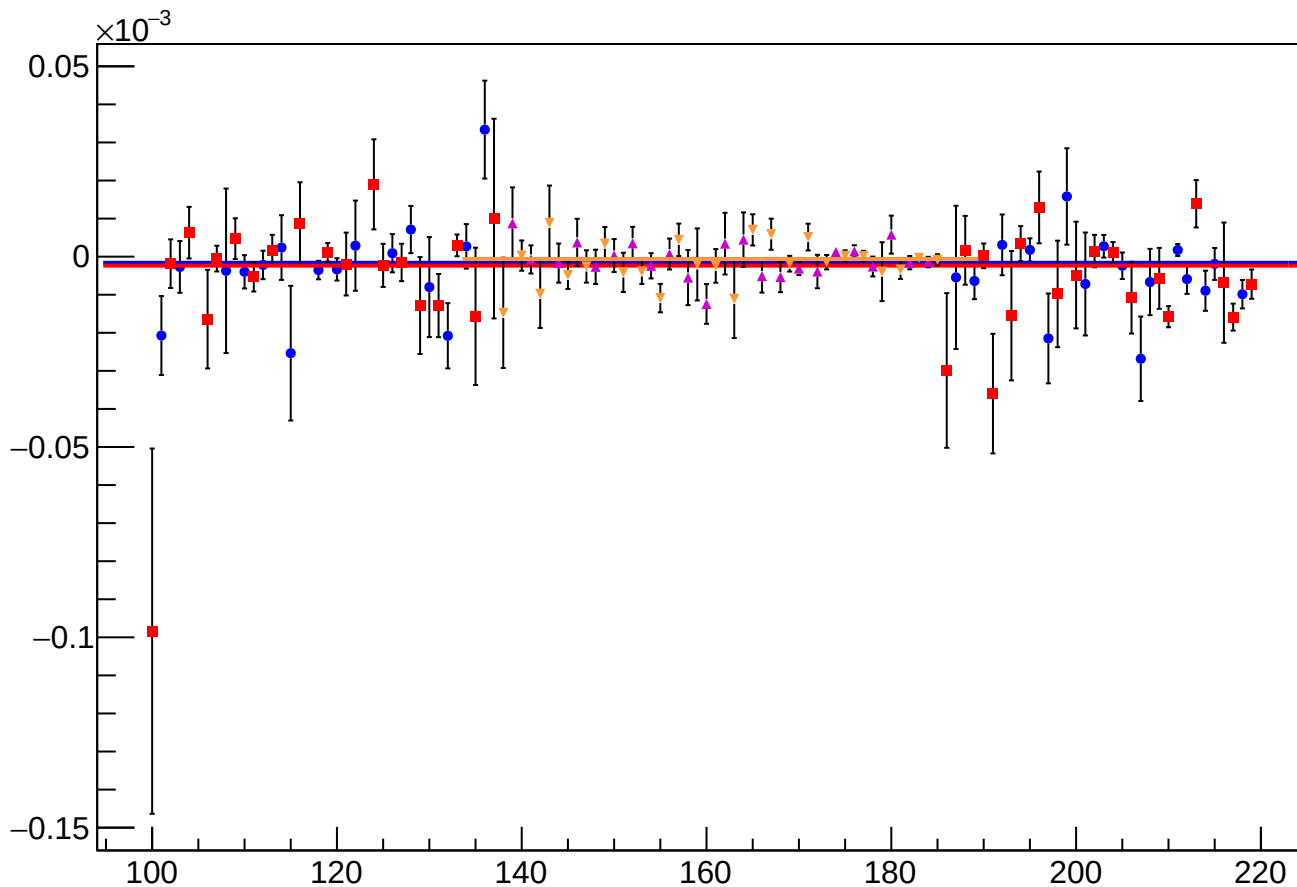
Left In: 33.592 $\pm$ 0.007 χ^2 /NDF: 10067466.4/22

+ sign 33.055 $\pm$ 0.005 χ^2 /NDF: 15434798.1/56

All: 33.108 $\pm$ 0.003 χ^2 /NDF: 32371574.0/116

- sign 33.162 $\pm$ 0.005 χ^2 /NDF: 16936500.7/59

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 50.1/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.4/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 85.6/36

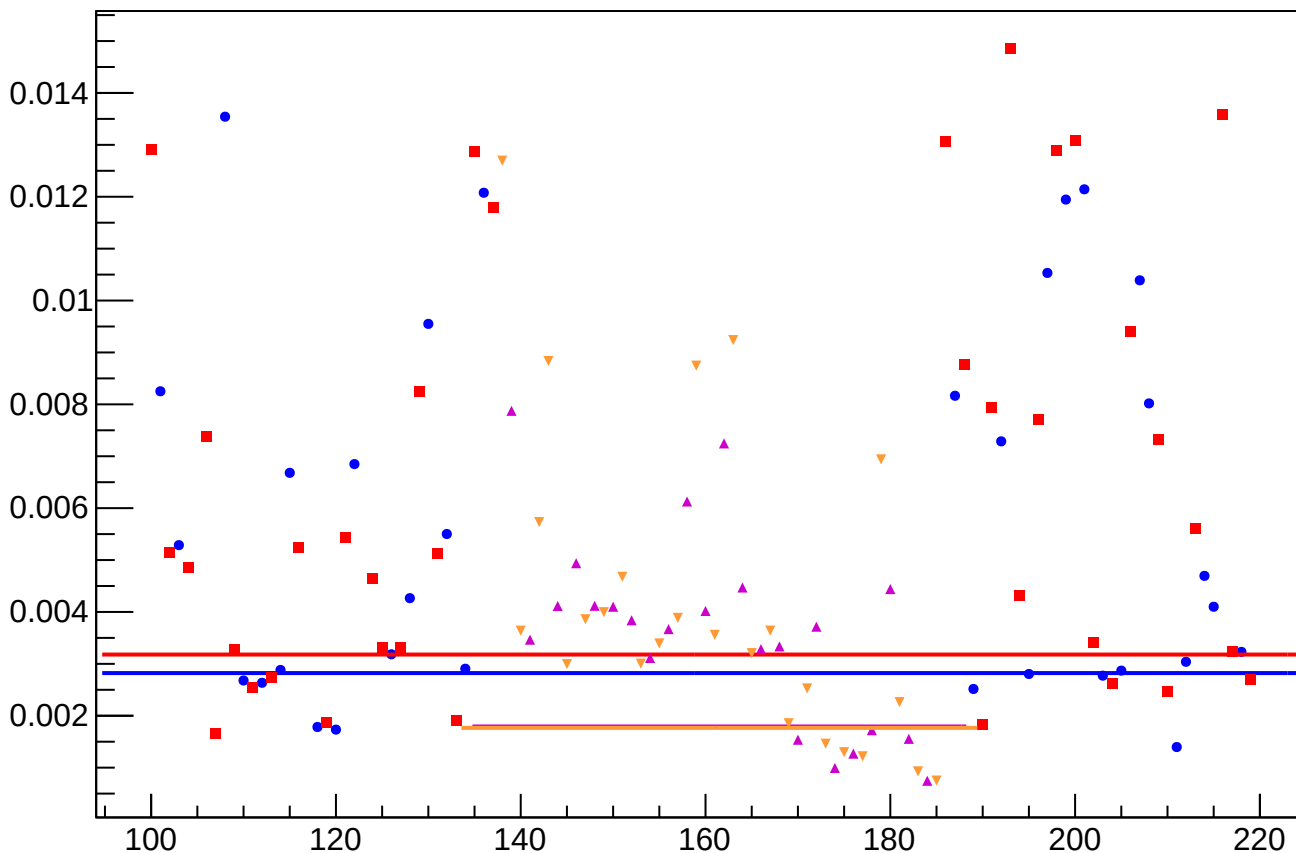
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 79.6/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 190.2/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 110.4/59

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 11550294.0/31

Left Out: 0.002+/-0.000 χ^2/NDF :12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 11631328.0/36

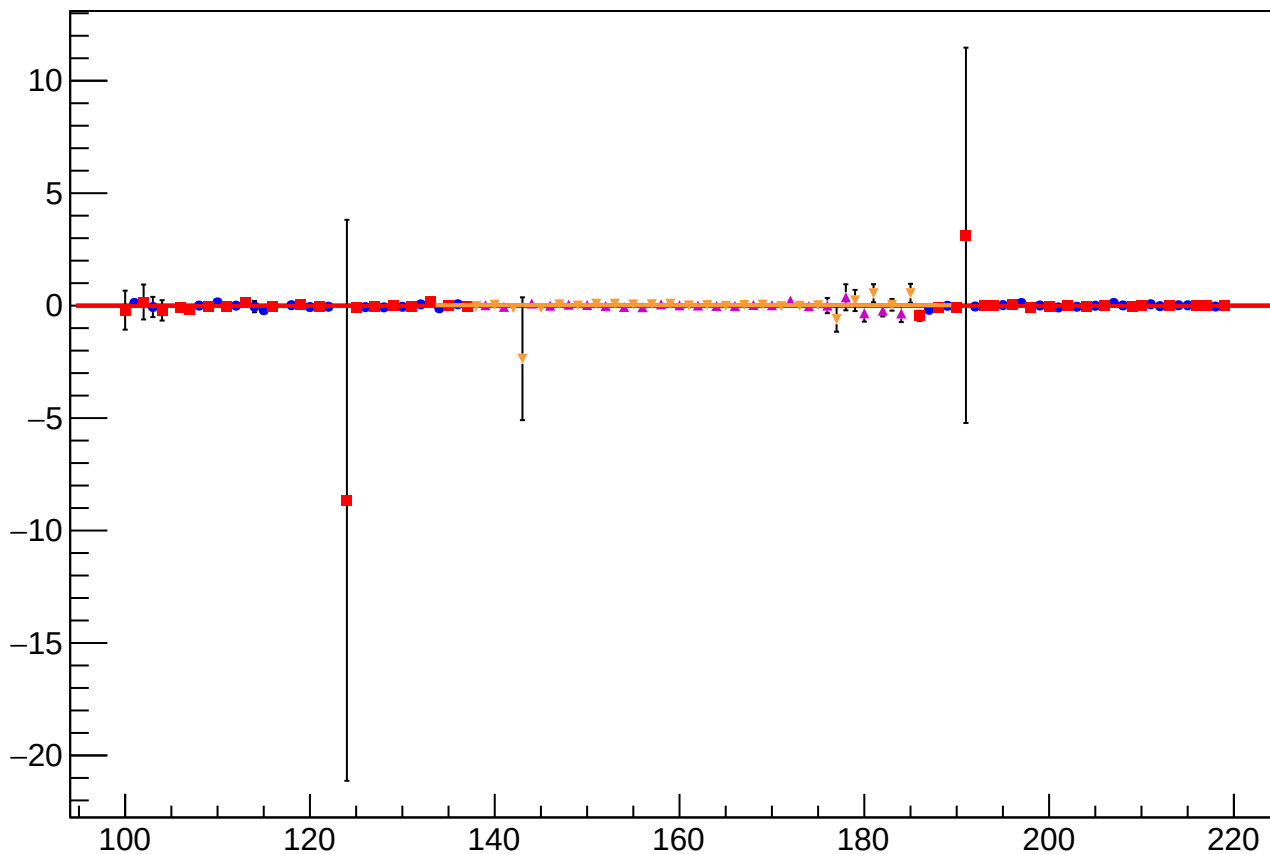
Left In: 0.002+/-0.000 χ^2/NDF :10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF : 27018191.5/56

All: 0.002+/-0.000 χ^2/NDF : 53340849.3/116

- sign 0.002+/-0.000 χ^2/NDF : 26245327.7/59

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.008 χ^2/NDF : 48.2/31

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.011 ± 0.008 χ^2/NDF : 24.5/36

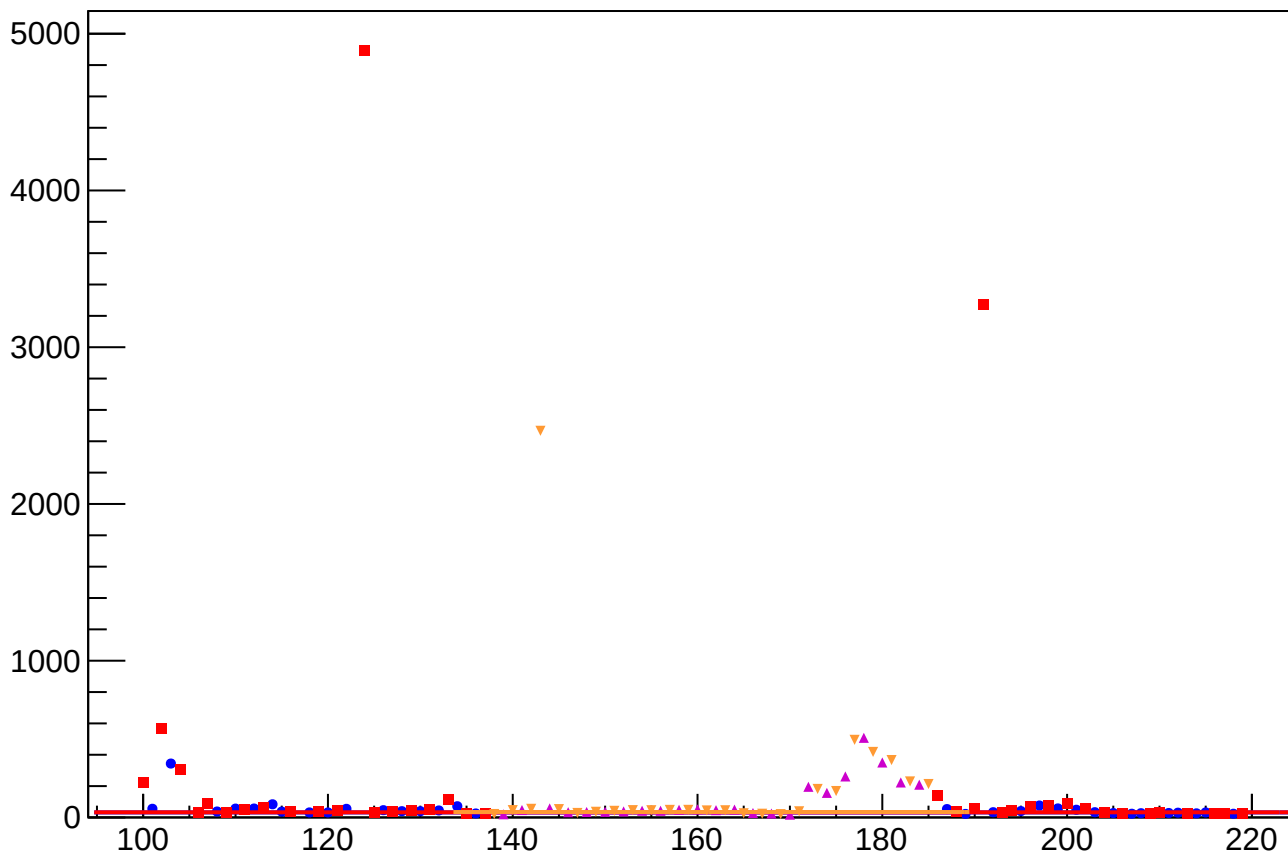
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.013 ± 0.006 χ^2/NDF : 72.8/56

All: 0.005 ± 0.005 χ^2/NDF : 117.4/116

- sign -0.002 ± 0.006 χ^2/NDF : 41.8/59

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 32.044 $\pm$ 0.006 χ^2 /NDF: 3953293.6/31

Left Out: 34.623 $\pm$ 0.007 χ^2 /NDF: 11402566.2/24

Right Out: 32.851 $\pm$ 0.006 χ^2 /NDF: 6862502.7/36

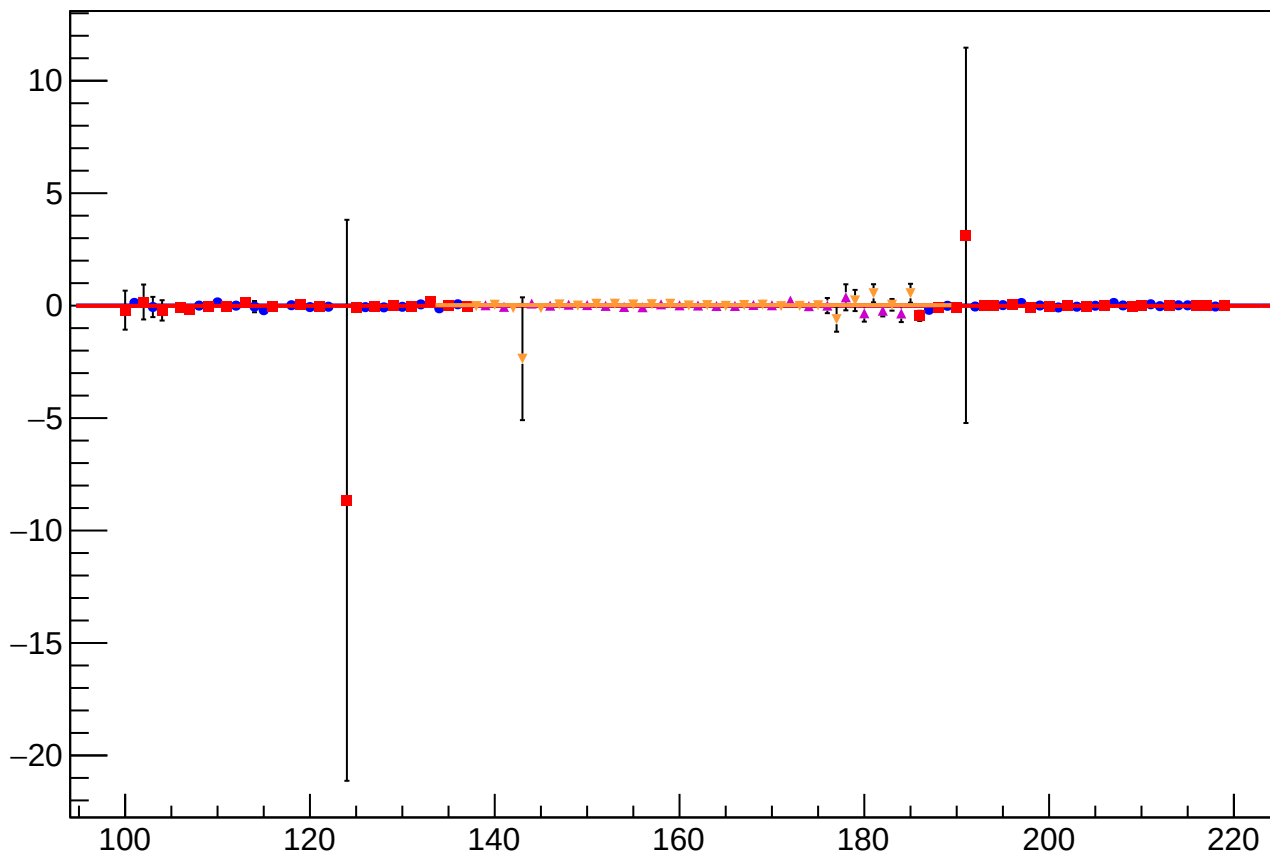
Left In: 33.595 $\pm$ 0.007 χ^2 /NDF: 10066196.6/22

+ sign 33.057 $\pm$ 0.005 χ^2 /NDF: 15433416.6/56

All: 33.109 $\pm$ 0.003 χ^2 /NDF: 32368893.0/116

- sign 33.163 $\pm$ 0.005 χ^2 /NDF: 16935201.8/59

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.008 $\chi^2/\text{NDF}: 48.2/31$

Left Out: 0.023 ± 0.010 $\chi^2/\text{NDF}: 22.8/24$

Right Out: -0.011 ± 0.008 $\chi^2/\text{NDF}: 24.5/36$

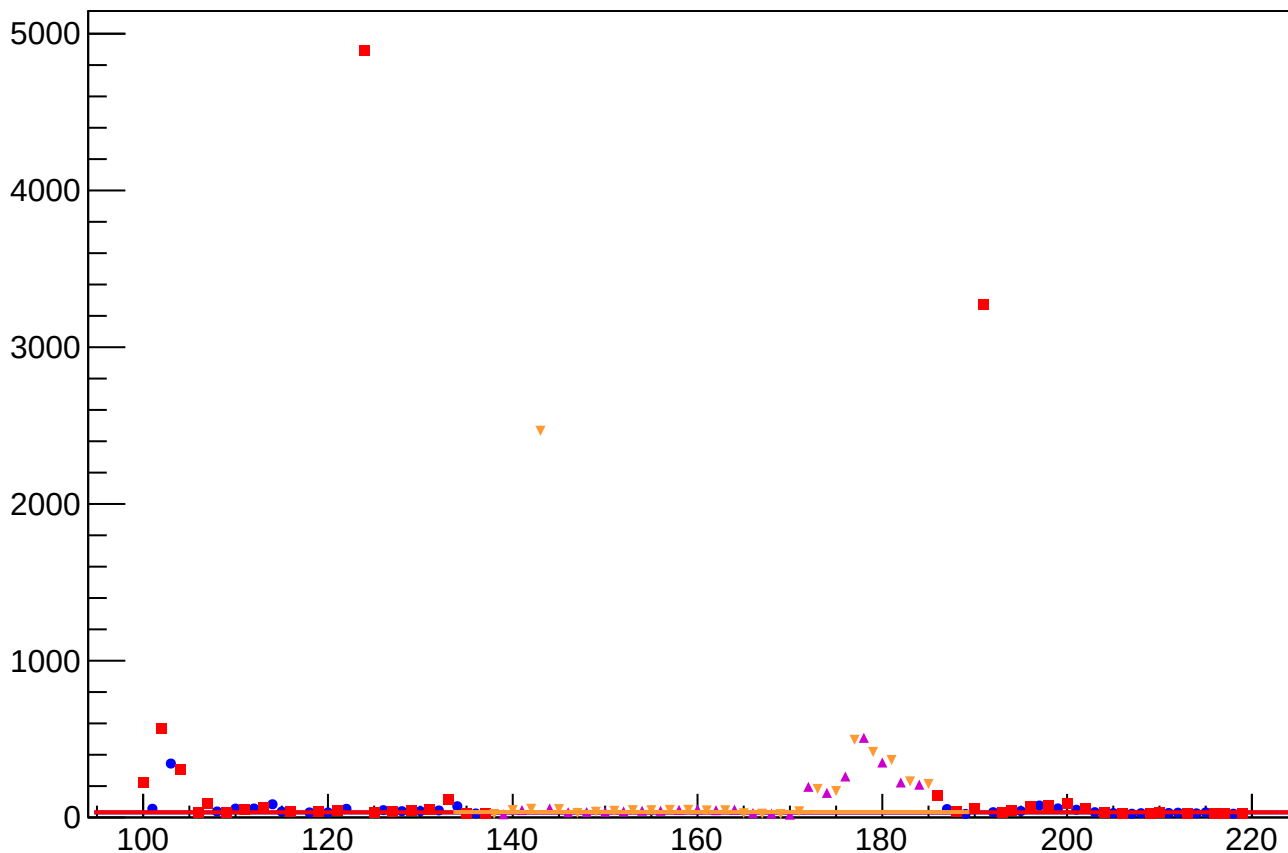
Left In: 0.010 ± 0.010 $\chi^2/\text{NDF}: 14.8/22$

+ sign 0.013 ± 0.006 $\chi^2/\text{NDF}: 72.8/56$

All: 0.005 ± 0.005 $\chi^2/\text{NDF}: 117.4/116$

- sign -0.002 ± 0.006 $\chi^2/\text{NDF}: 41.8/59$

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.044 $\pm$ 0.006 χ^2 /NDF: 3953293.6/31

Left Out: 34.623 $\pm$ 0.007 χ^2 /NDF: 11402566.2/24

Right Out: 32.851 $\pm$ 0.006 χ^2 /NDF: 6862502.7/36

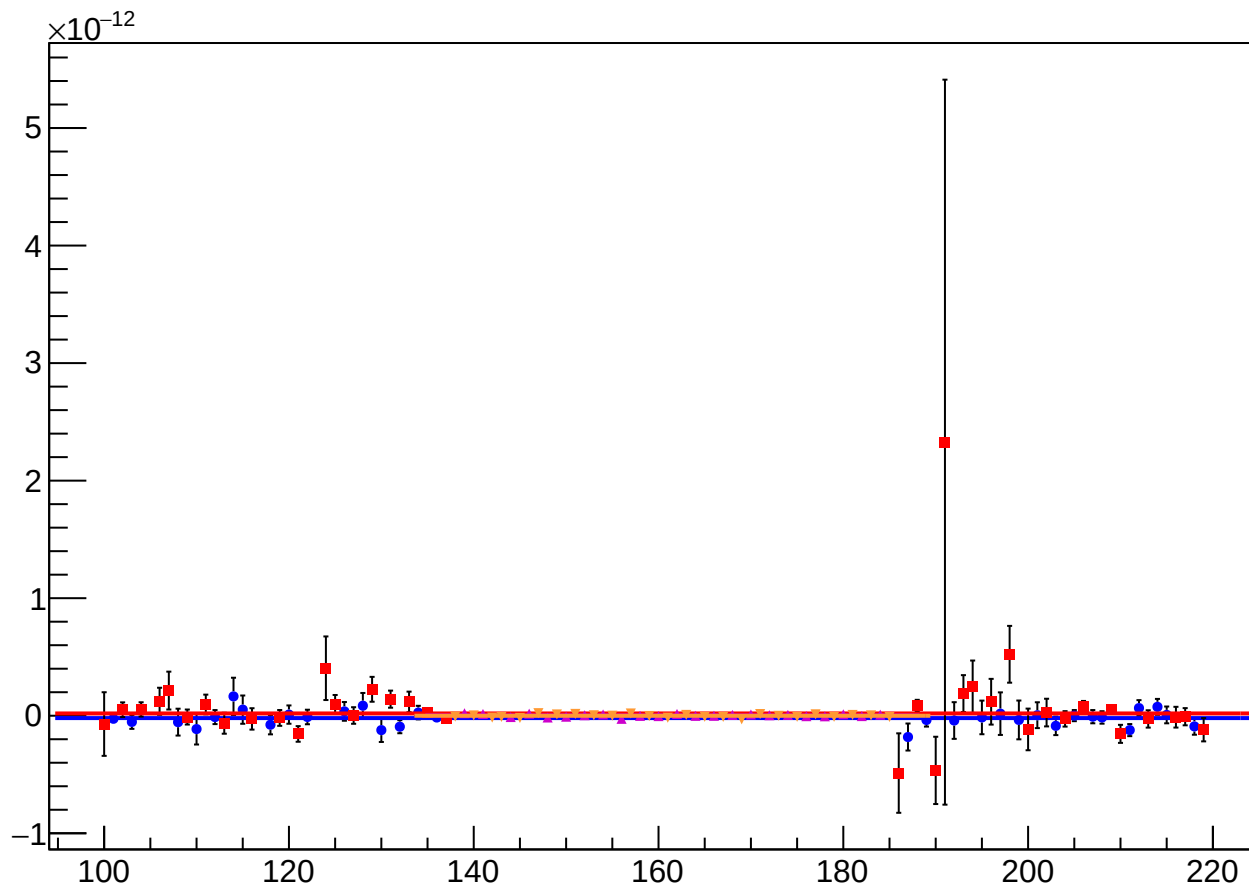
Left In: 33.595 $\pm$ 0.007 χ^2 /NDF: 10066196.6/22

+ sign 33.057 $\pm$ 0.005 χ^2 /NDF: 15433416.6/56

All: 33.109 $\pm$ 0.003 χ^2 /NDF: 32368893.0/116

- sign 33.163 $\pm$ 0.005 χ^2 /NDF: 16935201.8/59

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 20.2/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 26.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 52.8/36

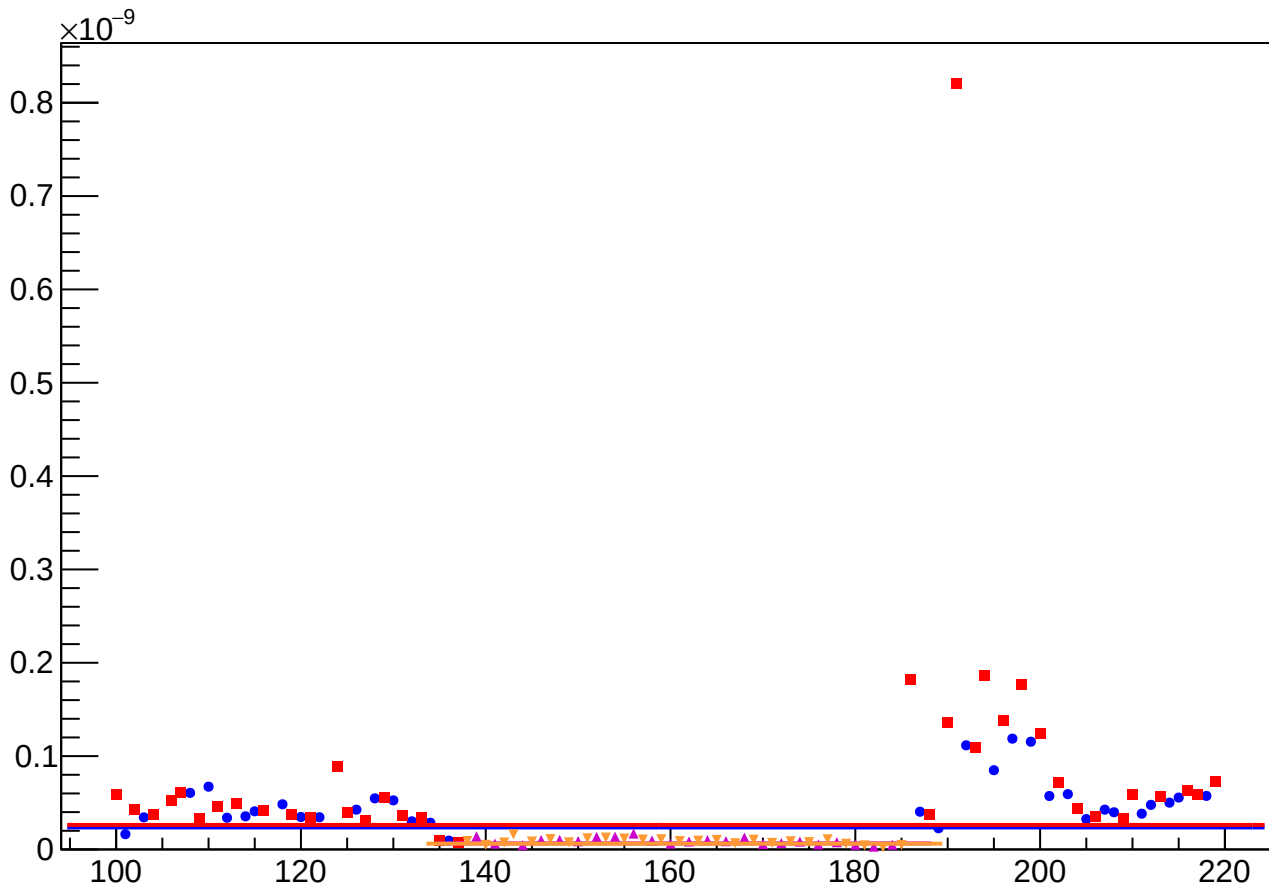
Left In: 0.000 ± 0.000 χ^2/NDF : 20.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 51.2/56

All: 0.000 ± 0.000 χ^2/NDF : 129.3/116

- sign 0.000 ± 0.000 χ^2/NDF : 75.9/59

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9000854.2/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:5077918.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11712452.7/36

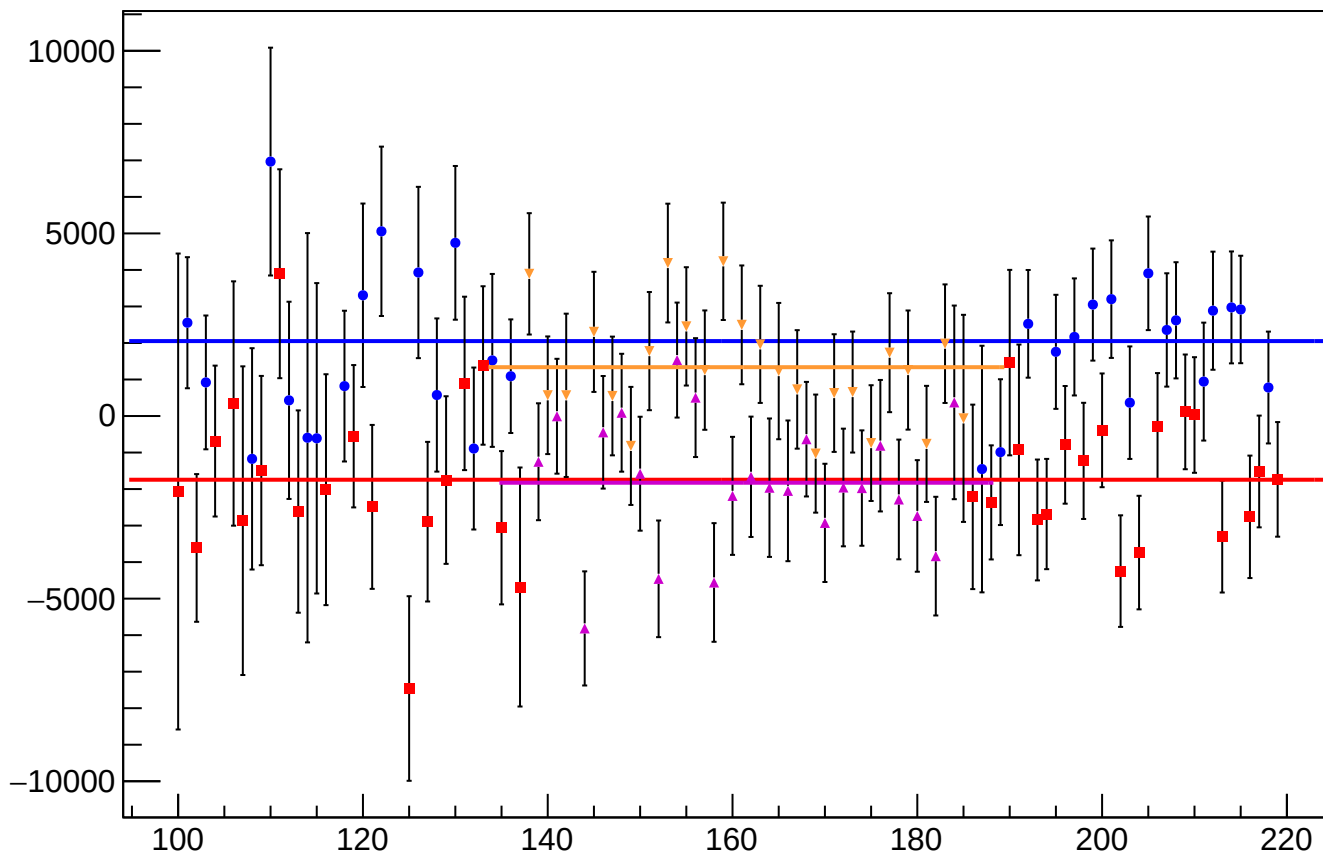
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3998320.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21739824.3/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 45614067.7/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23850212.2/59

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 2051.838 $\pm$ 329.893 χ^2 /NDF: 21.7/31

Left Out: 1337.008 $\pm$ 341.012 χ^2 /NDF:19.2/23

Right Out: -1744.470 $\pm$ 325.278 χ^2 /NDF: 29.3/35

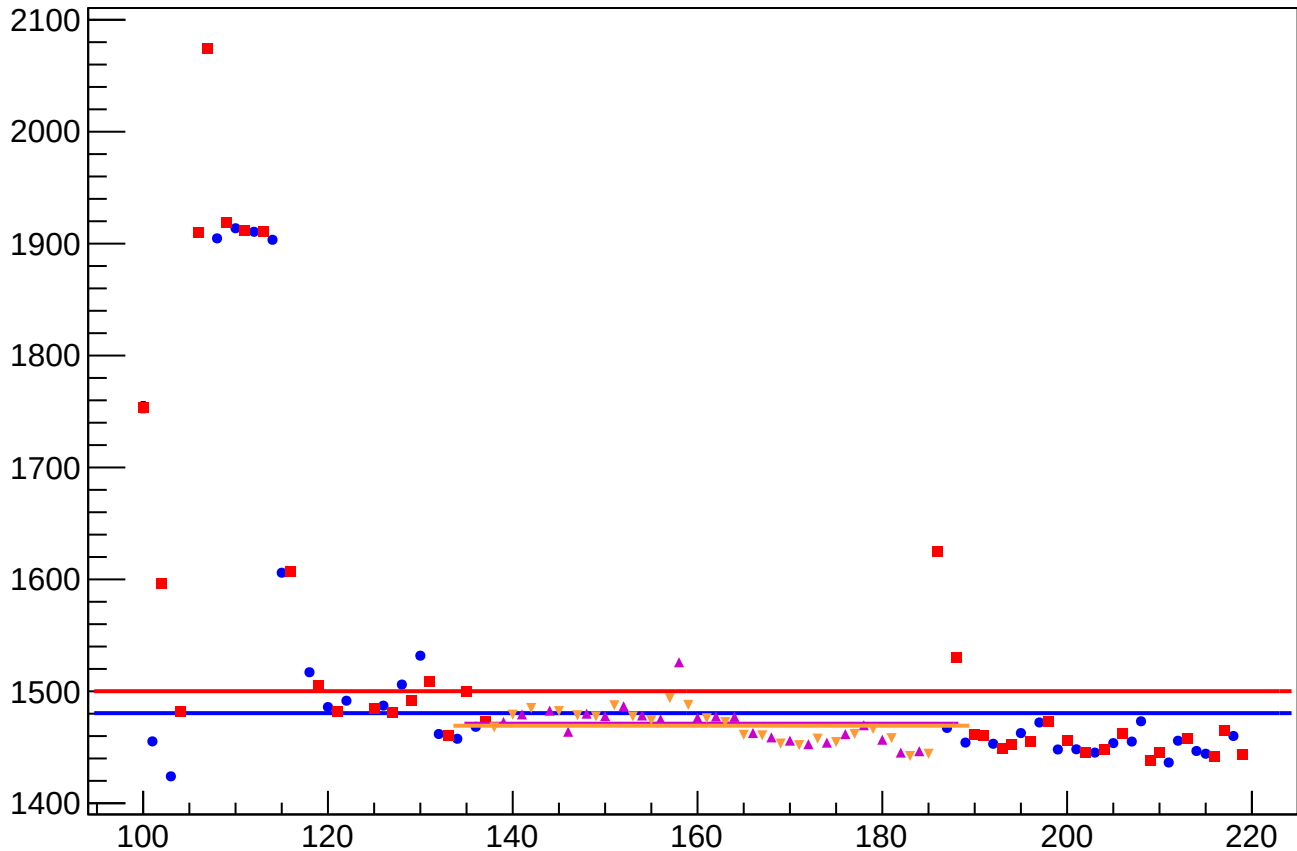
Left In: -1826.599 $\pm$ 343.483 χ^2 /NDF:26.5/22

+ sign 1706.268 $\pm$ 237.103 χ^2 /NDF: 43.2/55

All: -45.322 $\pm$ 167.330 χ^2 /NDF: 207.7/114

- sign -1783.300 $\pm$ 236.180 χ^2 /NDF: 55.8/58

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1480.497 $\pm$ 0.233 χ^2 /NDF: 156404.1/31

Left Out: 1469.267 $\pm$ 0.241 χ^2 /NDF:3155.3/23

Right Out: 1500.095 $\pm$ 0.230 χ^2 /NDF: 249309.2/35

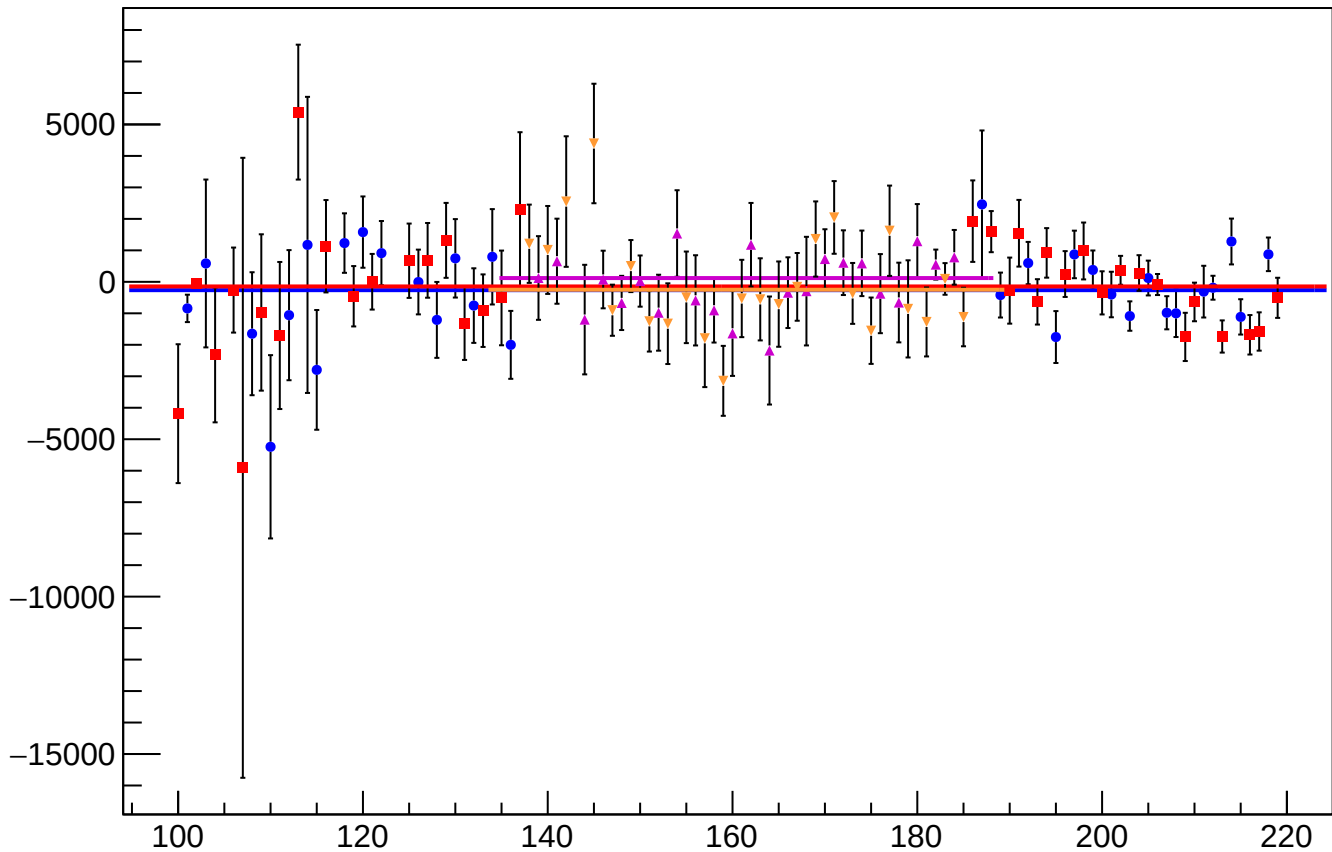
Left In: 1471.054 $\pm$ 0.243 χ^2 /NDF:4642.4/22

+ sign 1475.068 $\pm$ 0.168 χ^2 /NDF: 160680.0/55

All: 1480.738 $\pm$ 0.118 χ^2 /NDF: 424447.4/114

- sign 1486.364 $\pm$ 0.167 χ^2 /NDF: 261488.8/58

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -264.626 ± 133.834 χ^2/NDF : 45.9/31

Left Out: -251.610 ± 218.369 χ^2/NDF : 32.7/23

Right Out: -146.396 ± 96.427 χ^2/NDF : 63.1/35

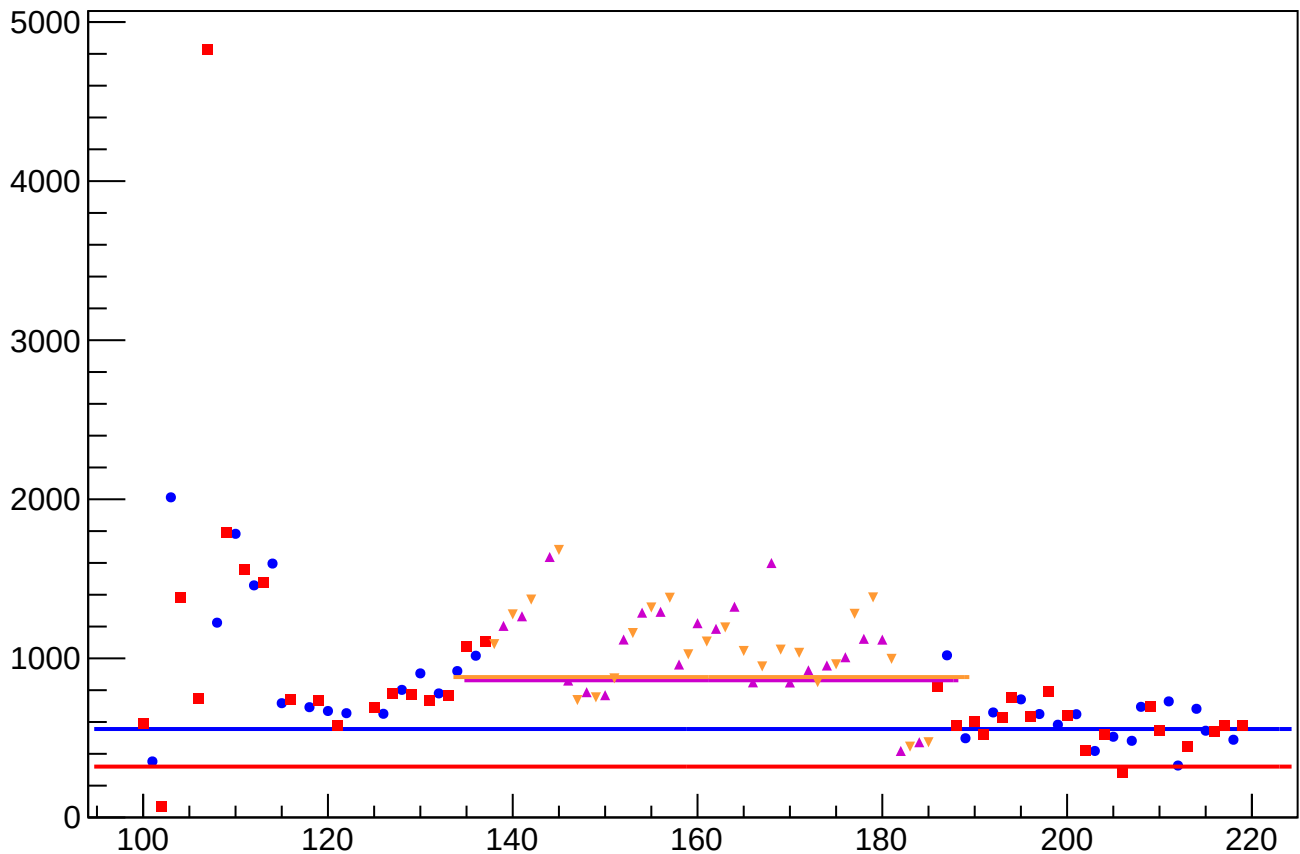
Left In: 119.802 ± 215.975 χ^2/NDF : 12.8/22

+ sign -261.072 ± 114.108 χ^2/NDF : 78.6/55

All: -161.462 ± 69.709 χ^2/NDF : 157.0/114

- sign -102.153 ± 88.049 χ^2/NDF : 77.2/58

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 555.896+/-0.095 χ^2/NDF : 4531178.8/31

Left Out: 882.430+/-0.154 χ^2/NDF : 3901279.8/23

Right Out: 319.667+/-0.068 χ^2/NDF : 17699798.2/35

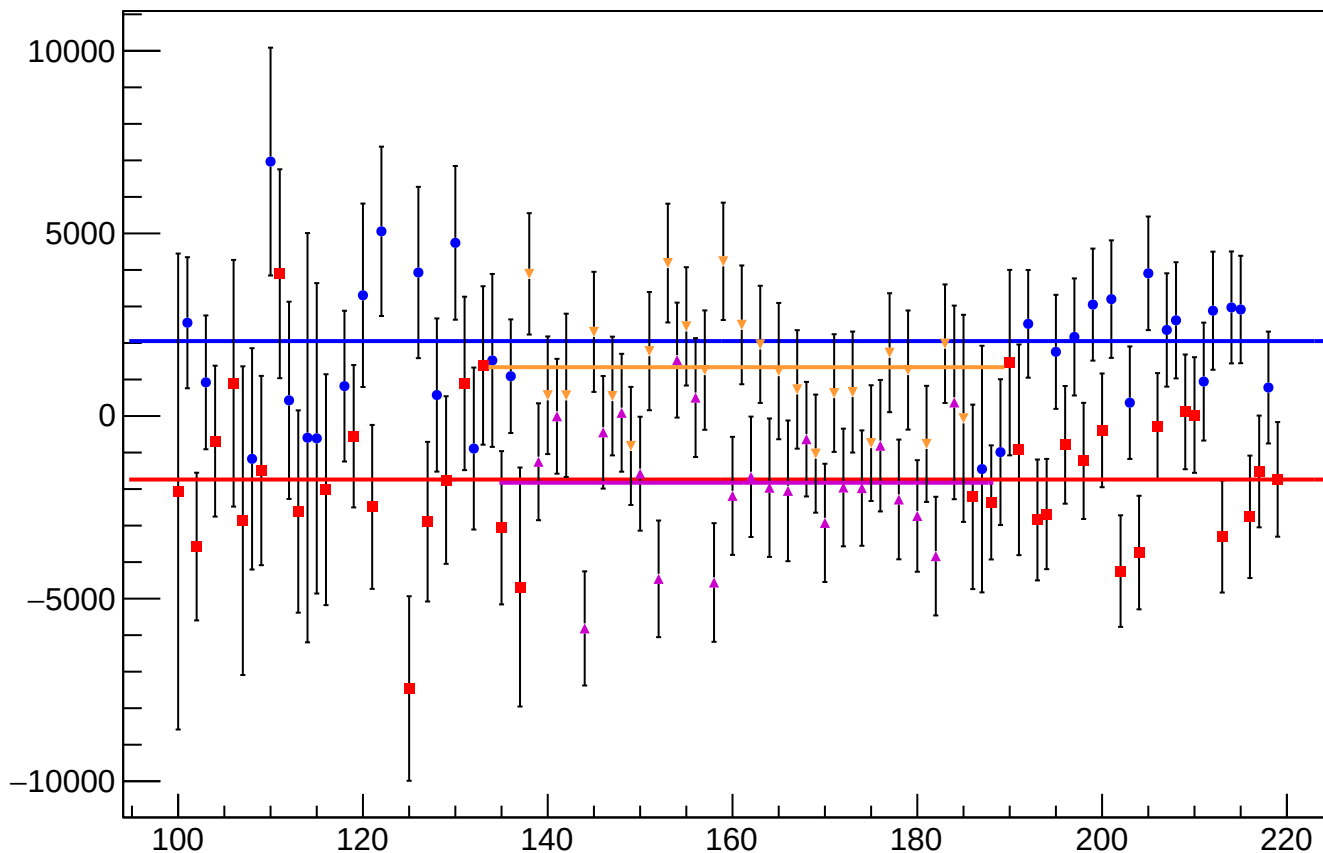
Left In: 862.298+/-0.153 χ^2/NDF : 4369416.2/22

+ sign 645.058+/-0.081 χ^2/NDF : 11683379.2/55

All: 497.634+/-0.049 χ^2/NDF : 49605306.1/11

- sign 409.855+/-0.062 χ^2/NDF : 32595878.5/58

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2051.910+/-329.893 χ^2/NDF : 21.7/31

Left Out: 1337.018+/-341.012 χ^2/NDF : 19.2/23

Right Out: -1738.698+/-325.309 χ^2/NDF : 29.5/35

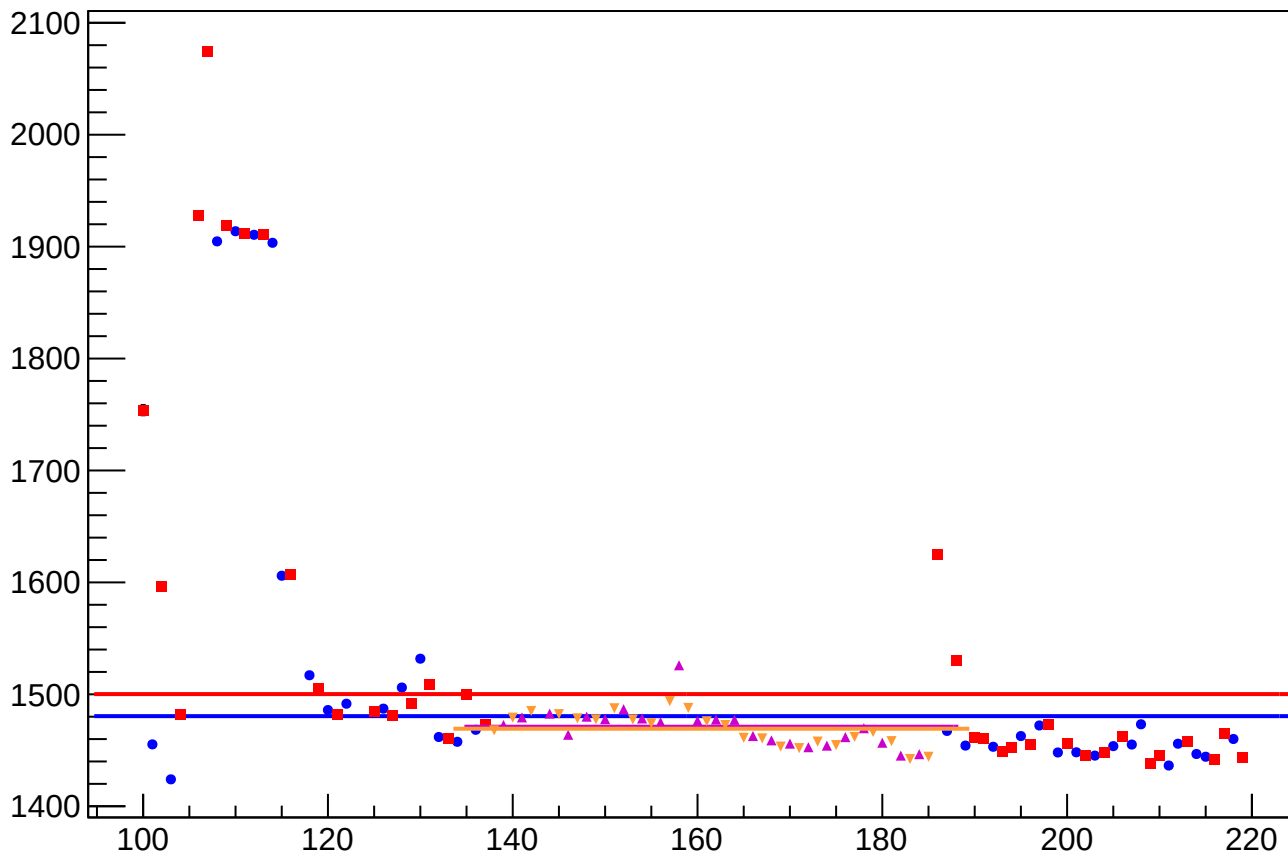
Left In: -1826.644+/-343.483 χ^2/NDF : 26.5/22

+ sign 1706.310+/-237.103 χ^2/NDF : 43.2/55

All: -43.700+/-167.334 χ^2/NDF : 207.7/114

- sign -1780.283+/-236.192 χ^2/NDF : 56.0/58

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1480.497 $\pm$ 0.233 χ^2 /NDF: 156404.1/31

Left Out: 1469.267 $\pm$ 0.241 χ^2 /NDF:3155.3/23

Right Out: 1500.195 $\pm$ 0.230 χ^2 /NDF: 251448.3/35

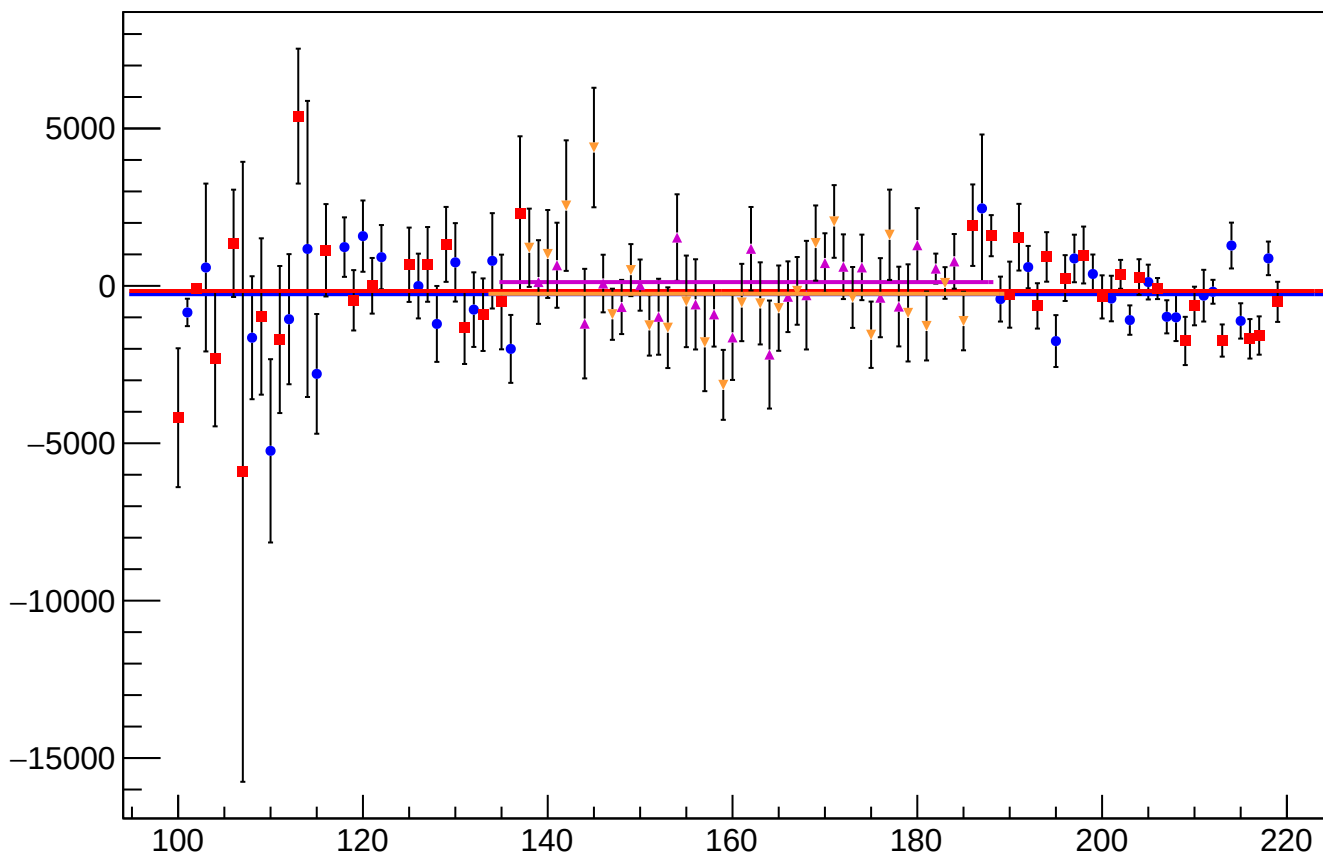
Left In: 1471.054 $\pm$ 0.243 χ^2 /NDF:4642.4/22

+ sign 1475.068 $\pm$ 0.168 χ^2 /NDF: 160679.9/55

All: 1480.764 $\pm$ 0.118 χ^2 /NDF: 426659.1/114

- sign 1486.416 $\pm$ 0.167 χ^2 /NDF: 263679.7/58

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -264.642 ± 133.832 $\chi^2/\text{NDF}: 45.9/31$

Left Out: -251.589 ± 218.368 $\chi^2/\text{NDF}: 32.7/23$

Right Out: -163.108 ± 100.692 $\chi^2/\text{NDF}: 63.6/35$

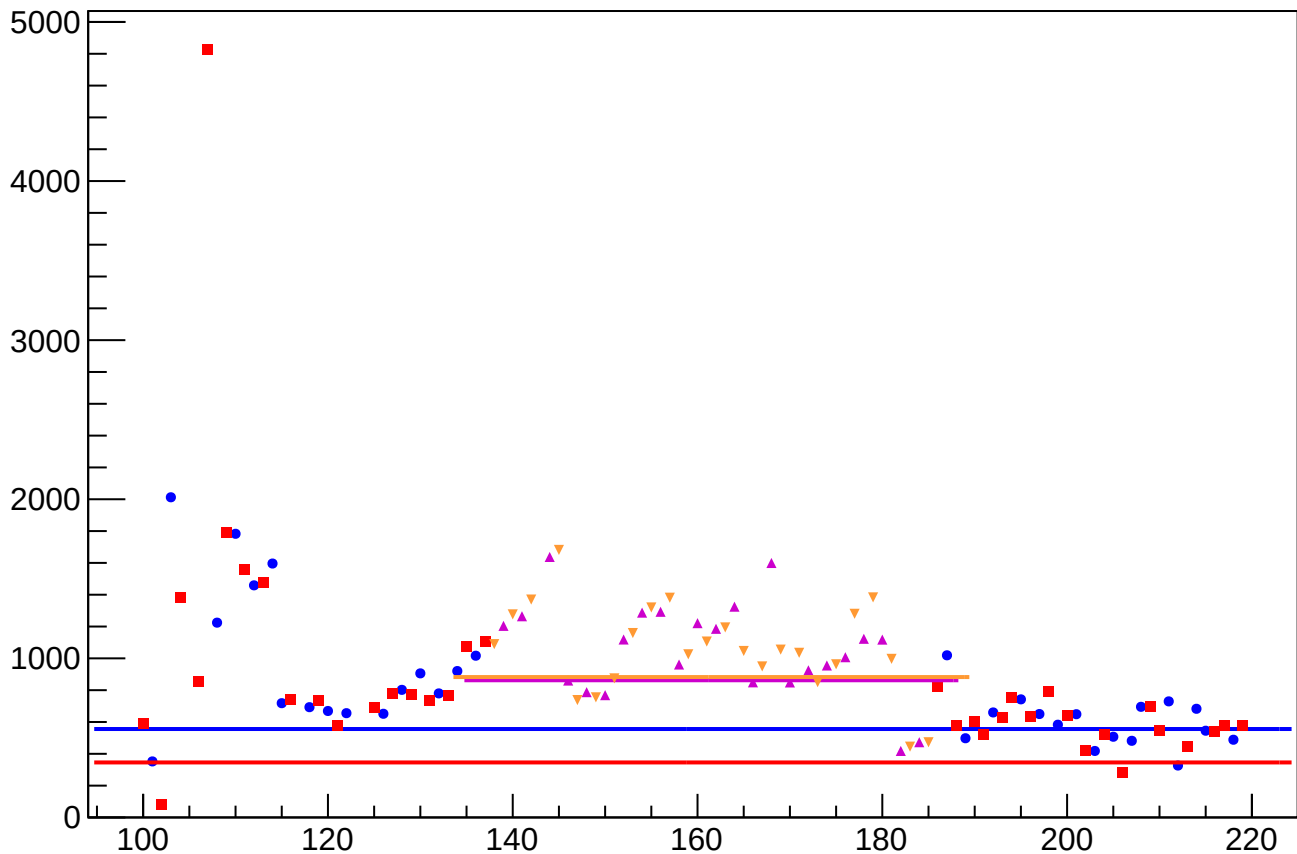
Left In: 119.845 ± 215.975 $\chi^2/\text{NDF}: 12.8/22$

+ sign -261.078 ± 114.107 $\chi^2/\text{NDF}: 78.6/55$

All: -170.515 ± 71.270 $\chi^2/\text{NDF}: 157.4/114$

- sign -112.586 ± 91.261 $\chi^2/\text{NDF}: 77.8/58$

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 555.880+/-0.095 χ^2/NDF : 4531714.2/31

Left Out: 882.419+/-0.154 χ^2/NDF : 3901620.8/23

Right Out: 345.748+/-0.071 χ^2/NDF : 16036320.5/35

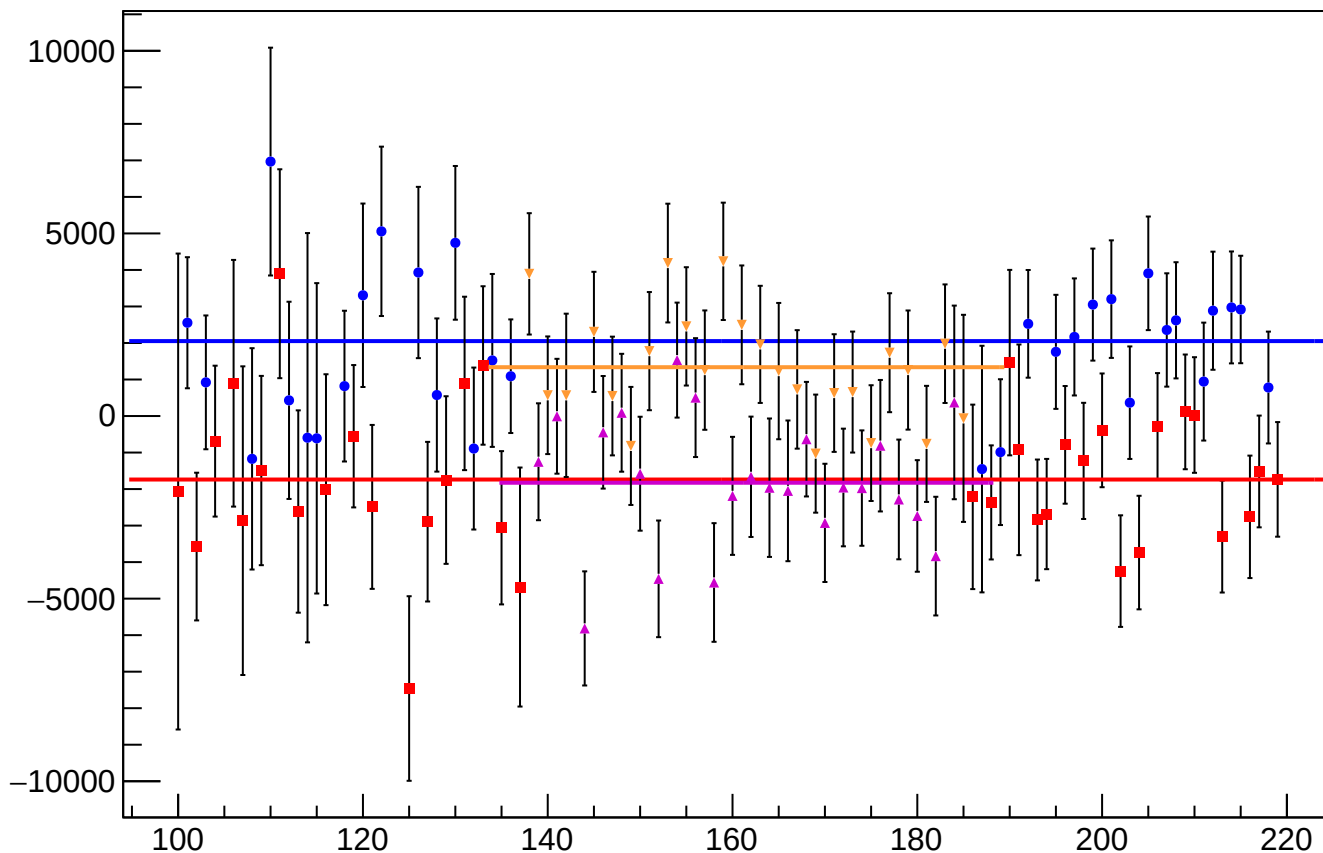
Left In: 862.300+/-0.153 χ^2/NDF : 4369426.7/22

+ sign 645.042+/-0.081 χ^2/NDF : 11684405.0/55

All: 518.758+/-0.050 χ^2/NDF : 45504661.2/11

- sign 437.979+/-0.065 χ^2/NDF : 29803623.3/58

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2051.910 $\pm$ 329.893 χ^2 /NDF: 21.7/31

Left Out: 1337.018 $\pm$ 341.012 χ^2 /NDF:19.2/23

Right Out: -1738.698 $\pm$ 325.309 χ^2 /NDF: 29.5/35

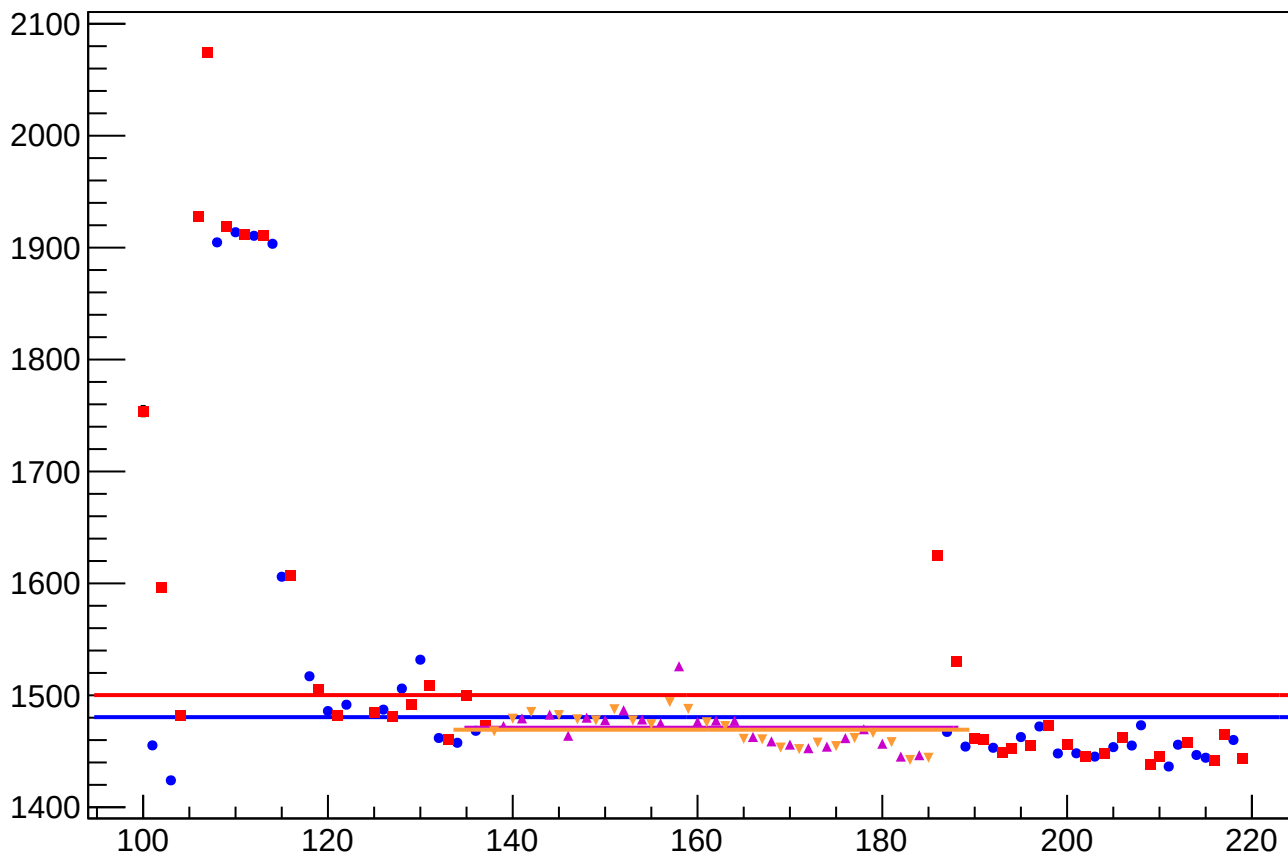
Left In: -1826.644 $\pm$ 343.483 χ^2 /NDF:26.5/22

+ sign 1706.310 $\pm$ 237.103 χ^2 /NDF: 43.2/55

All: -43.700 $\pm$ 167.334 χ^2 /NDF: 207.7/114

- sign -1780.283 $\pm$ 236.192 χ^2 /NDF: 56.0/58

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1480.497 $\pm$ 0.233 χ^2 /NDF: 156404.1/31

Left Out: 1469.267 $\pm$ 0.241 χ^2 /NDF:3155.3/23

Right Out: 1500.195 $\pm$ 0.230 χ^2 /NDF: 251448.3/35

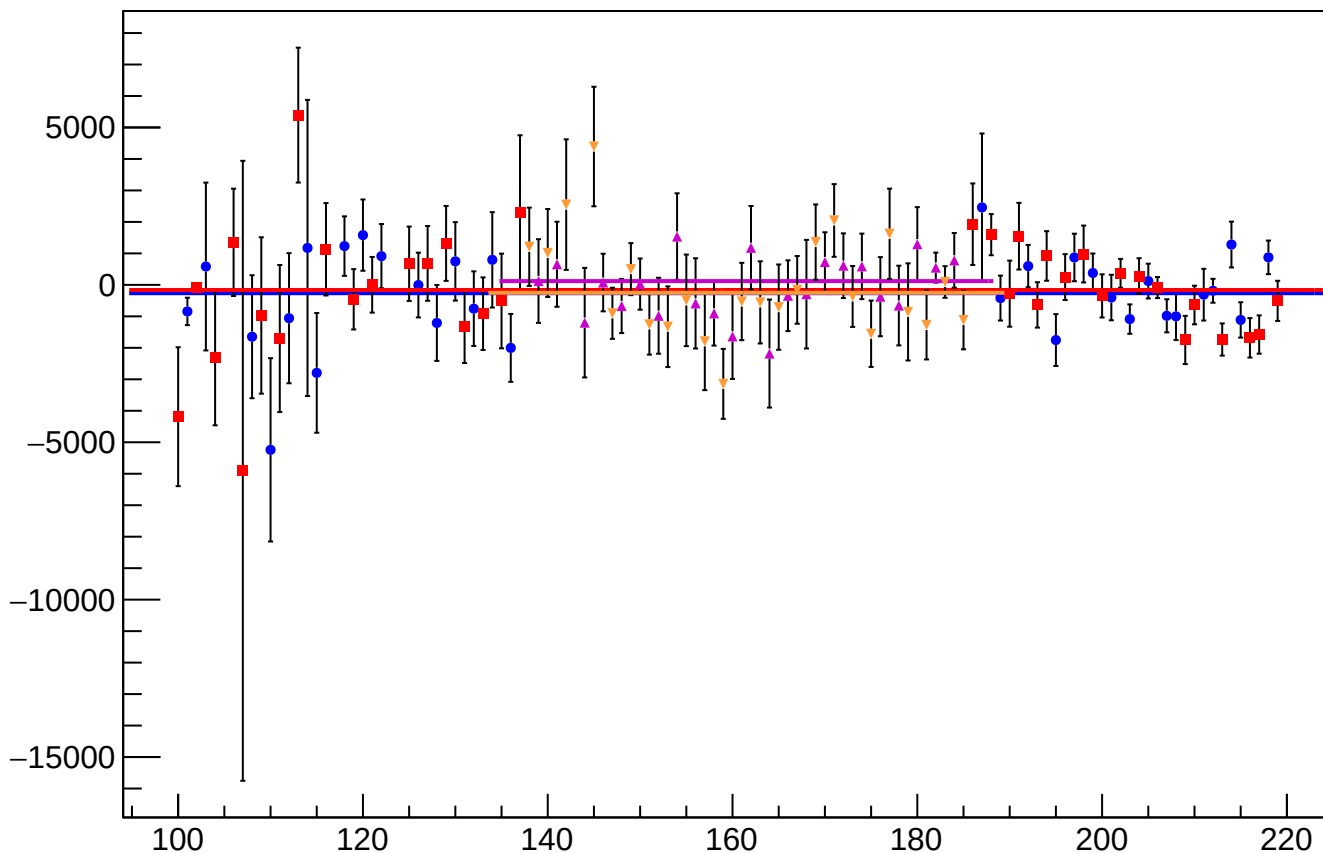
Left In: 1471.054 $\pm$ 0.243 χ^2 /NDF:4642.4/22

+ sign 1475.068 $\pm$ 0.168 χ^2 /NDF: 160679.9/55

All: 1480.764 $\pm$ 0.118 χ^2 /NDF: 426659.1/114

- sign 1486.416 $\pm$ 0.167 χ^2 /NDF: 263679.7/58

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug



Right In: -264.642 ± 133.832 χ^2/NDF : 45.9/31

Left Out: -251.589 ± 218.368 χ^2/NDF : 32.7/23

Right Out: -163.108 ± 100.692 χ^2/NDF : 63.6/35

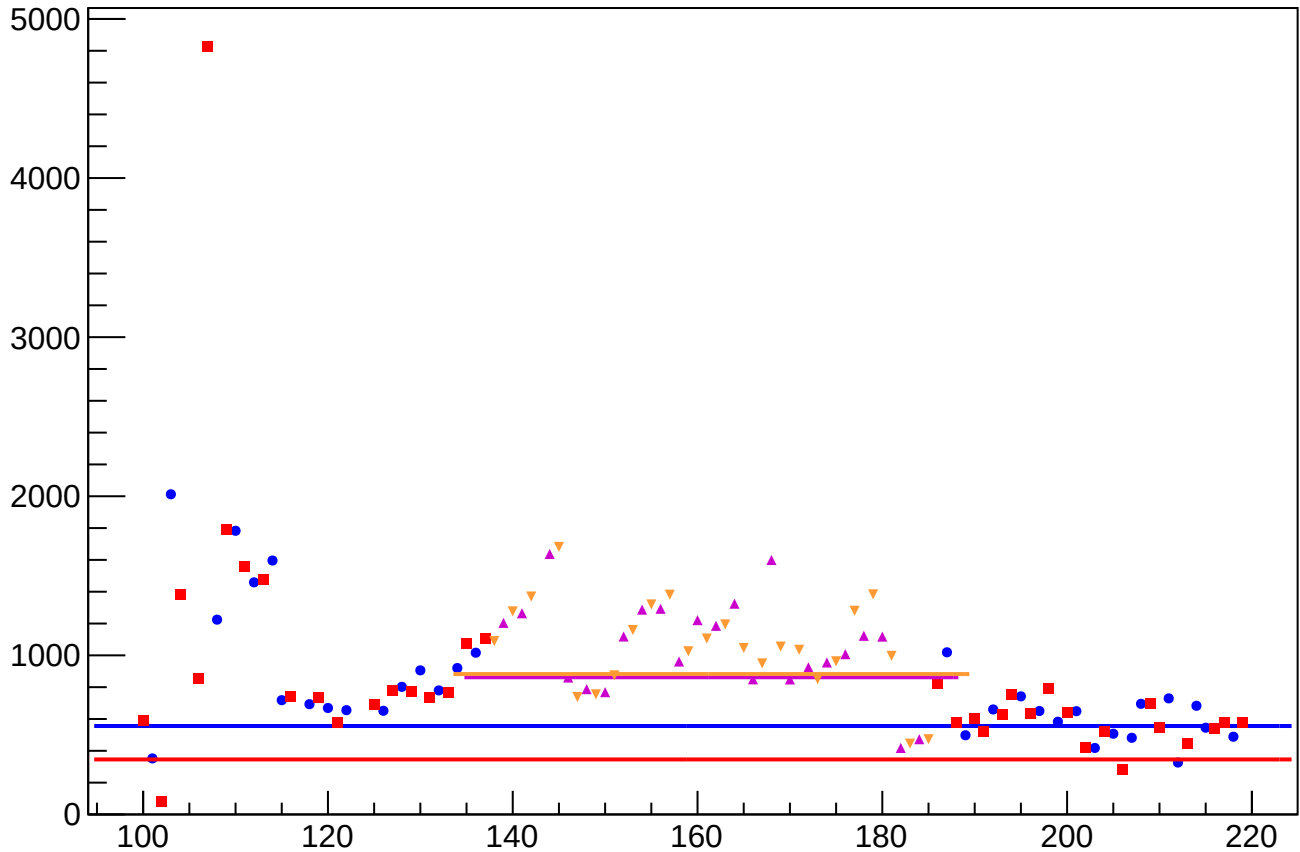
Left In: 119.845 ± 215.975 χ^2/NDF : 12.8/22

+ sign -261.078 ± 114.107 χ^2/NDF : 78.6/55

All: -170.515 ± 71.270 χ^2/NDF : 157.4/114

- sign -112.586 ± 91.261 χ^2/NDF : 77.8/58

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 555.880+/-0.095 χ^2/NDF : 4531714.2/31

Left Out: 882.419+/-0.154 χ^2/NDF : 3901620.8/23

Right Out: 345.748+/-0.071 χ^2/NDF : 16036320.5/35

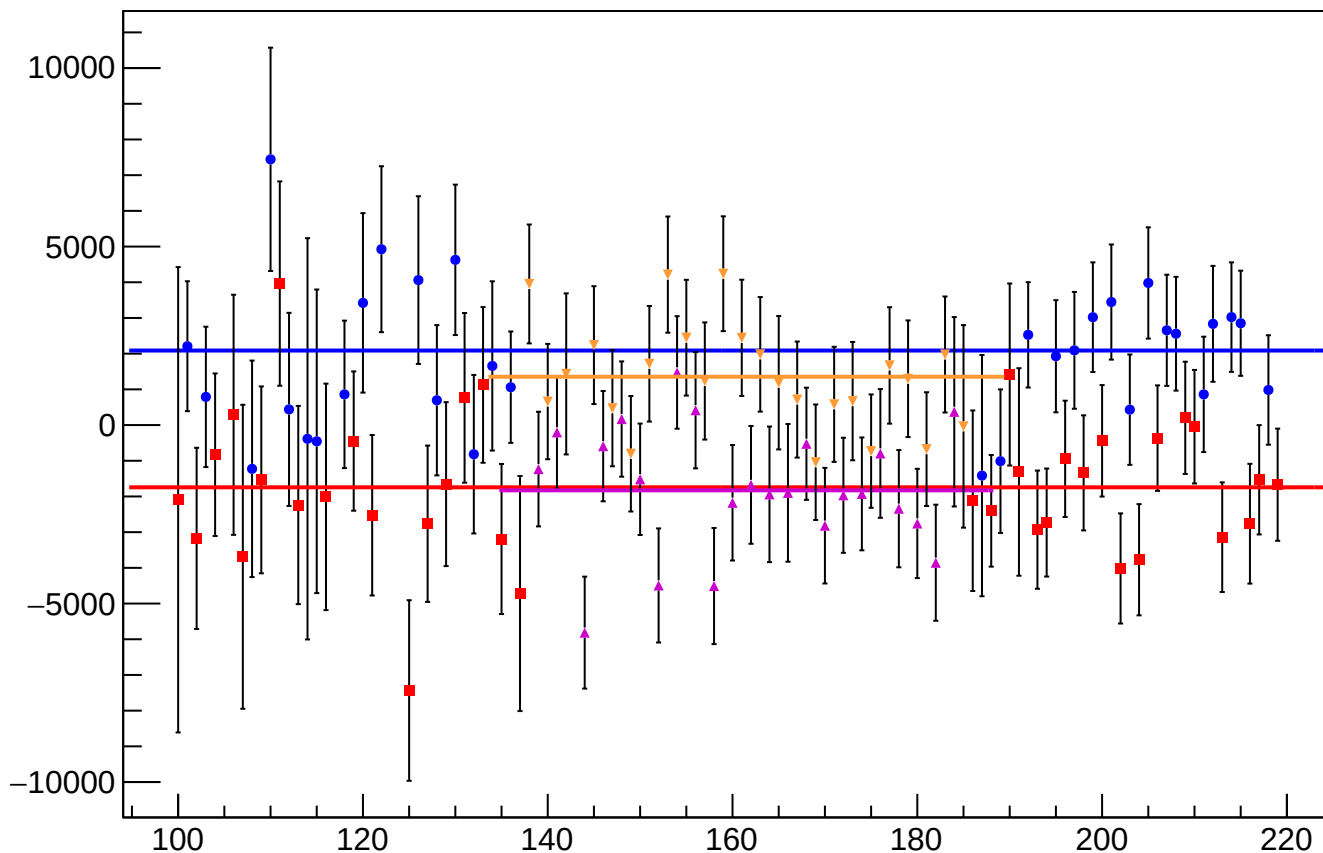
Left In: 862.300+/-0.153 χ^2/NDF : 4369426.7/22

+ sign 645.042+/-0.081 χ^2/NDF : 11684405.0/55

All: 518.758+/-0.050 χ^2/NDF : 45504661.2/1

- sign 437.979+/-0.065 χ^2/NDF : 29803623.3/58

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2087.933 $\pm$ 331.693 χ^2 /NDF: 21.8/31

Left Out: 1353.686 $\pm$ 341.570 χ^2 /NDF:18.9/23

Right Out: -1743.877 $\pm$ 328.841 χ^2 /NDF: 27.4/35

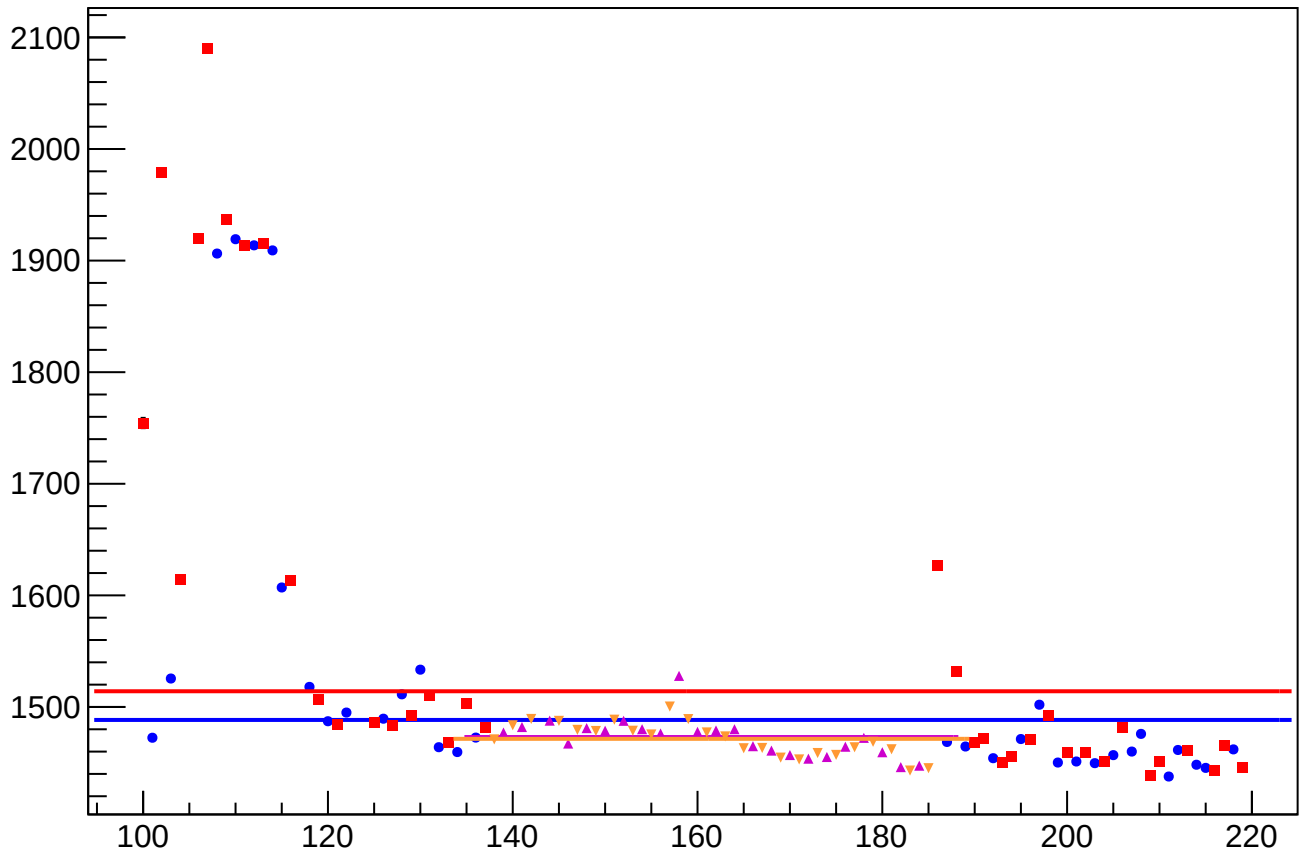
Left In: -1828.250 $\pm$ 343.952 χ^2 /NDF:25.8/22

+ sign 1731.579 $\pm$ 237.958 χ^2 /NDF: 43.1/55

All: -28.284 $\pm$ 168.166 χ^2 /NDF: 205.6/114

- sign -1784.169 $\pm$ 237.688 χ^2 /NDF: 53.2/58

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1488.368 $\pm$ 0.235 χ^2/NDF : 154495.7/31

Left Out: 1471.437 $\pm$ 0.242 χ^2/NDF : 3436.8/23

Right Out: 1514.067 $\pm$ 0.233 χ^2/NDF : 318549.2/35

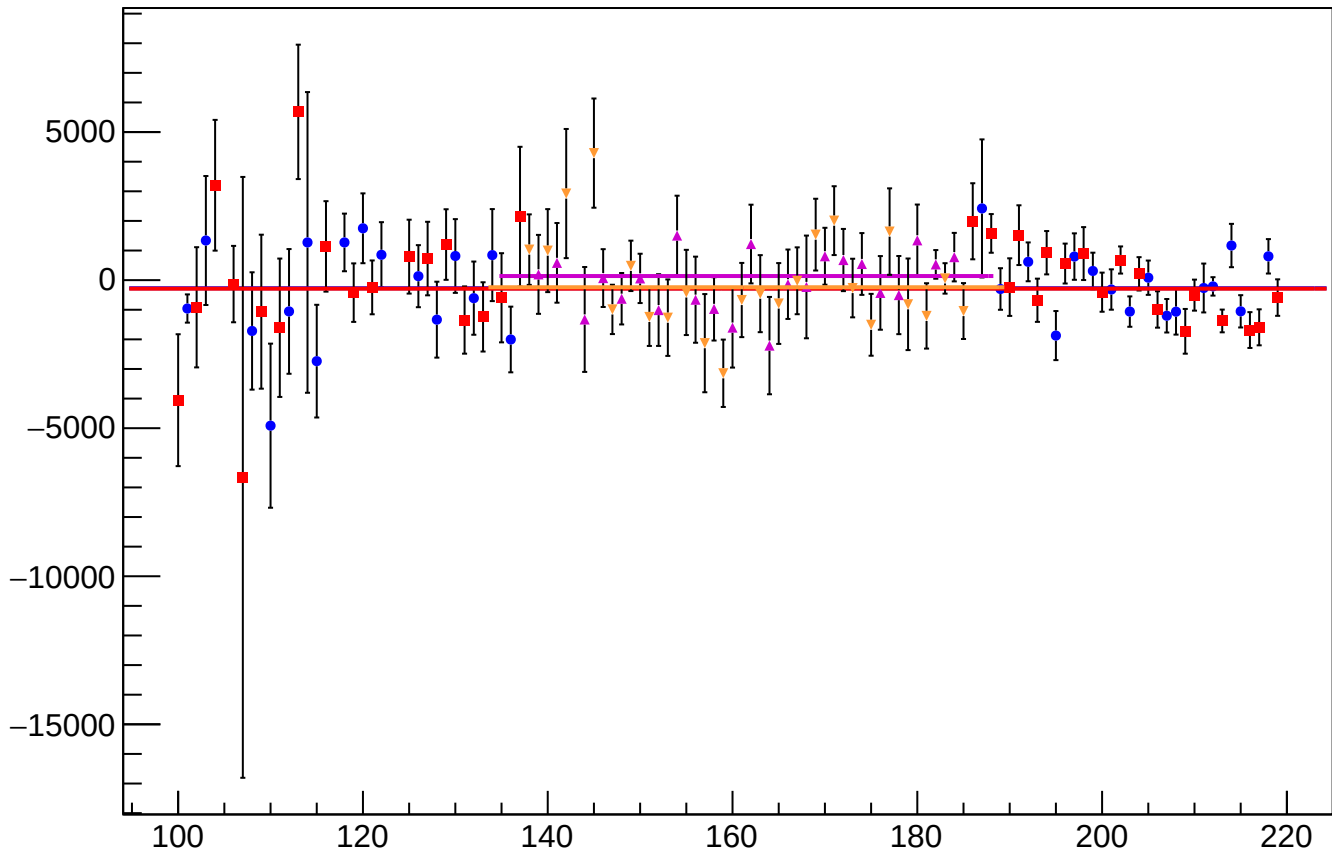
Left In: 1473.049 $\pm$ 0.243 χ^2/NDF : 4751.3/22

+ sign 1480.151 $\pm$ 0.168 χ^2/NDF : 160461.7/55

All: 1487.323 $\pm$ 0.119 χ^2/NDF : 502252.5/114

- sign 1494.479 $\pm$ 0.168 χ^2/NDF : 338161.1/58

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -274.251 ± 133.447 χ^2/NDF : 44.6/31

Left Out: -240.267 ± 221.787 χ^2/NDF : 32.4/23

Right Out: -287.938 ± 136.237 χ^2/NDF : 69.3/35

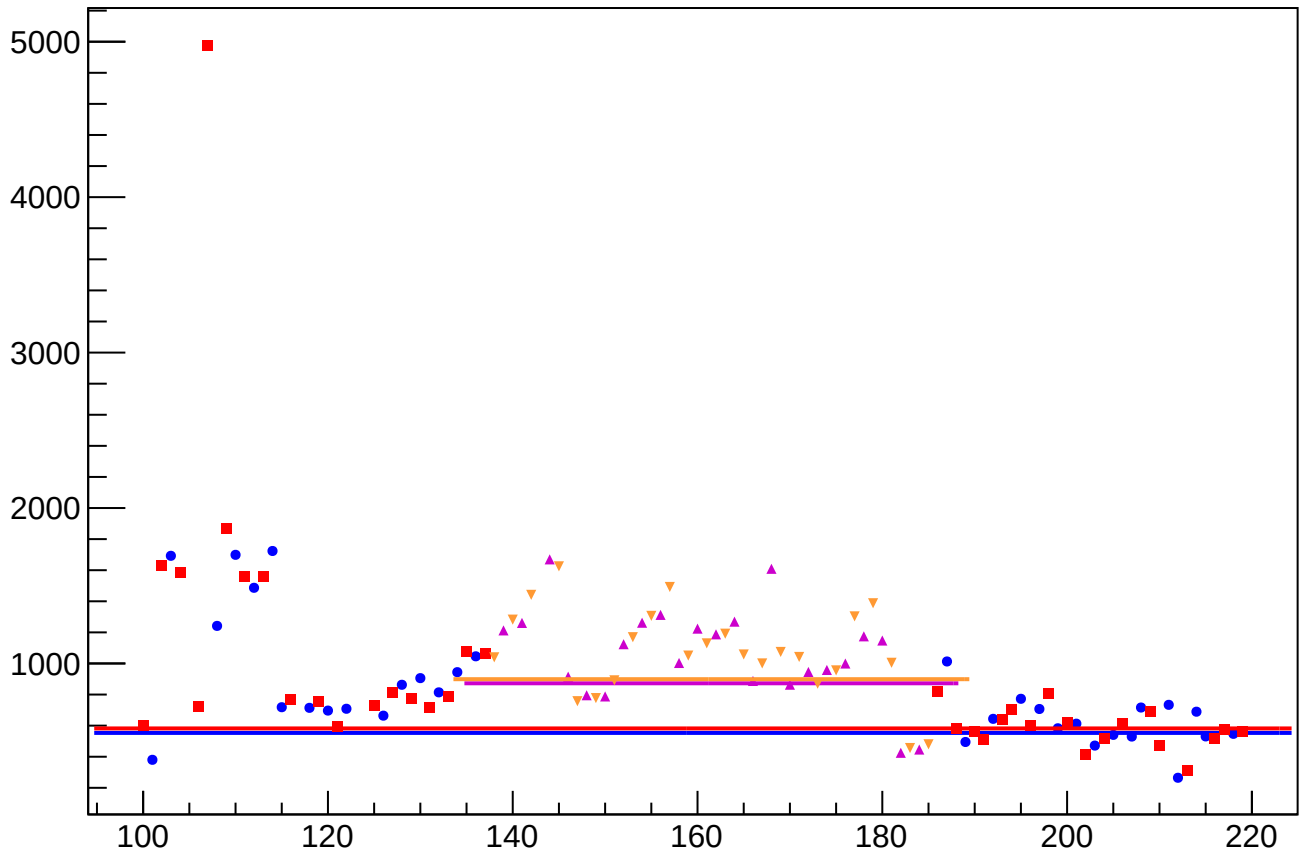
Left In: 138.421 ± 218.478 χ^2/NDF : 13.0/22

+ sign -265.218 ± 114.344 χ^2/NDF : 77.0/55

All: -217.422 ± 81.295 χ^2/NDF : 162.4/114

- sign -168.568 ± 115.603 χ^2/NDF : 85.0/58

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 553.250+/-0.094 χ^2/NDF : 5345371.1/31

Left Out: 898.849+/-0.157 χ^2/NDF : 3791528.8/23

Right Out: 582.035+/-0.096 χ^2/NDF : 4876419.8/35

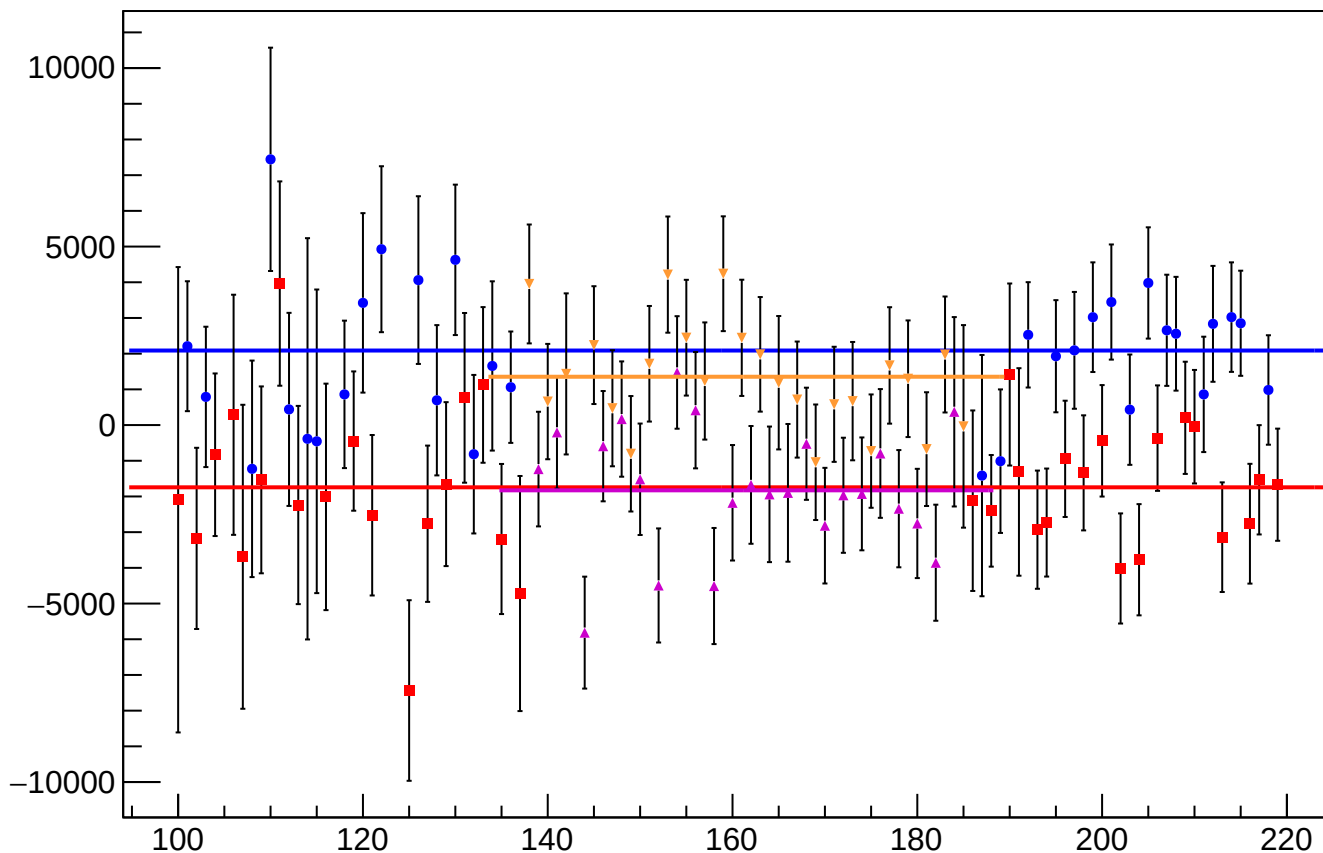
Left In: 872.472+/-0.154 χ^2/NDF : 4435516.3/22

+ sign 645.110+/-0.081 χ^2/NDF : 12702357.7/55

All: 654.130+/-0.057 χ^2/NDF : 24584338.8/1

- sign 663.350+/-0.082 χ^2/NDF : 11856813.6/58

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2087.932 $\pm$ 331.693 χ^2/NDF : 21.8/31

Left Out: 1353.684 $\pm$ 341.570 χ^2/NDF : 18.9/23

Right Out: -1743.877 $\pm$ 328.841 χ^2/NDF : 27.4/35

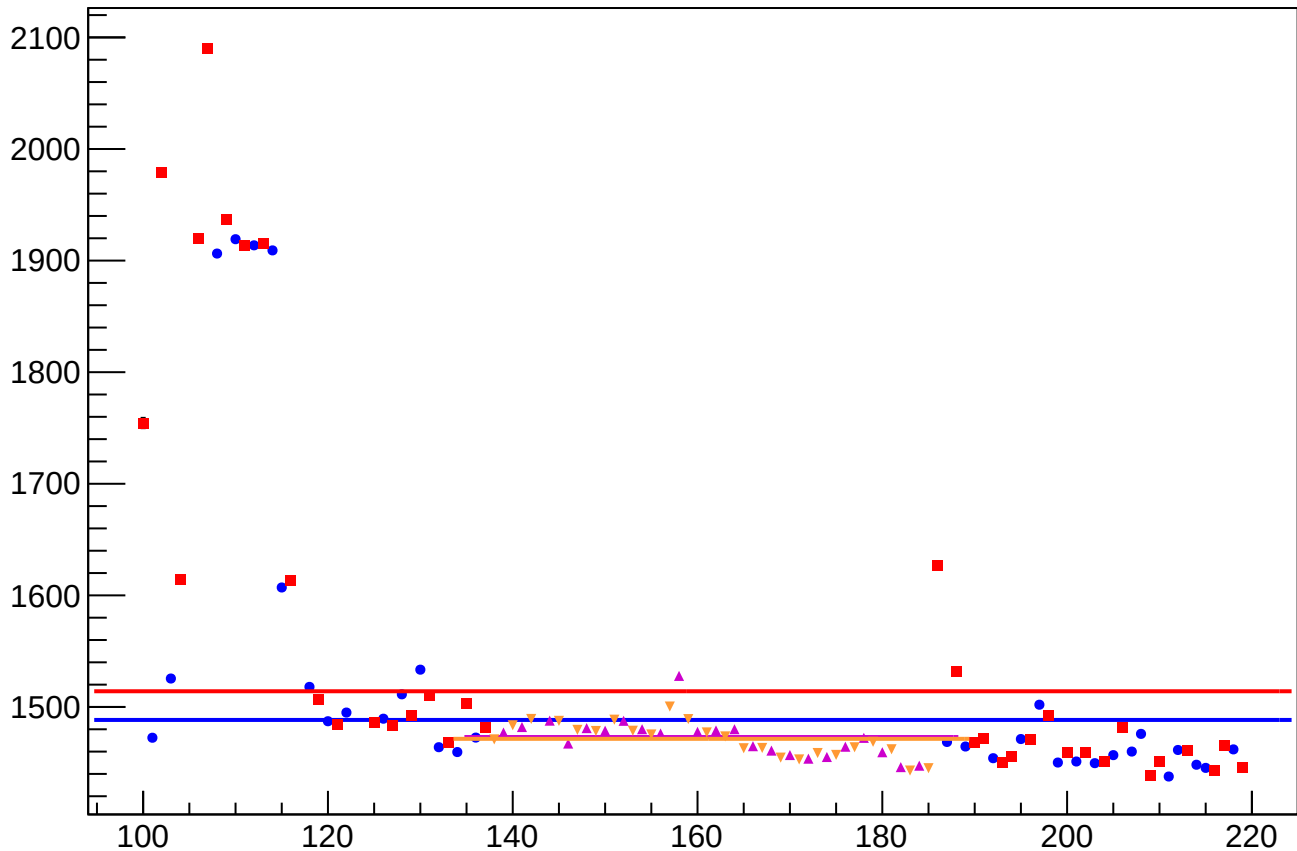
Left In: -1828.250 $\pm$ 343.952 χ^2/NDF : 25.8/22

+ sign 1731.577 $\pm$ 237.957 χ^2/NDF : 43.1/55

All: -28.285 $\pm$ 168.166 χ^2/NDF : 205.6/114

- sign -1784.169 $\pm$ 237.688 χ^2/NDF : 53.2/58

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1488.368+/-0.235 χ^2/NDF : 154495.6/31

Left Out: 1471.437+/-0.242 χ^2/NDF : 3436.8/23

Right Out: 1514.067+/-0.233 χ^2/NDF : 318548.7/35

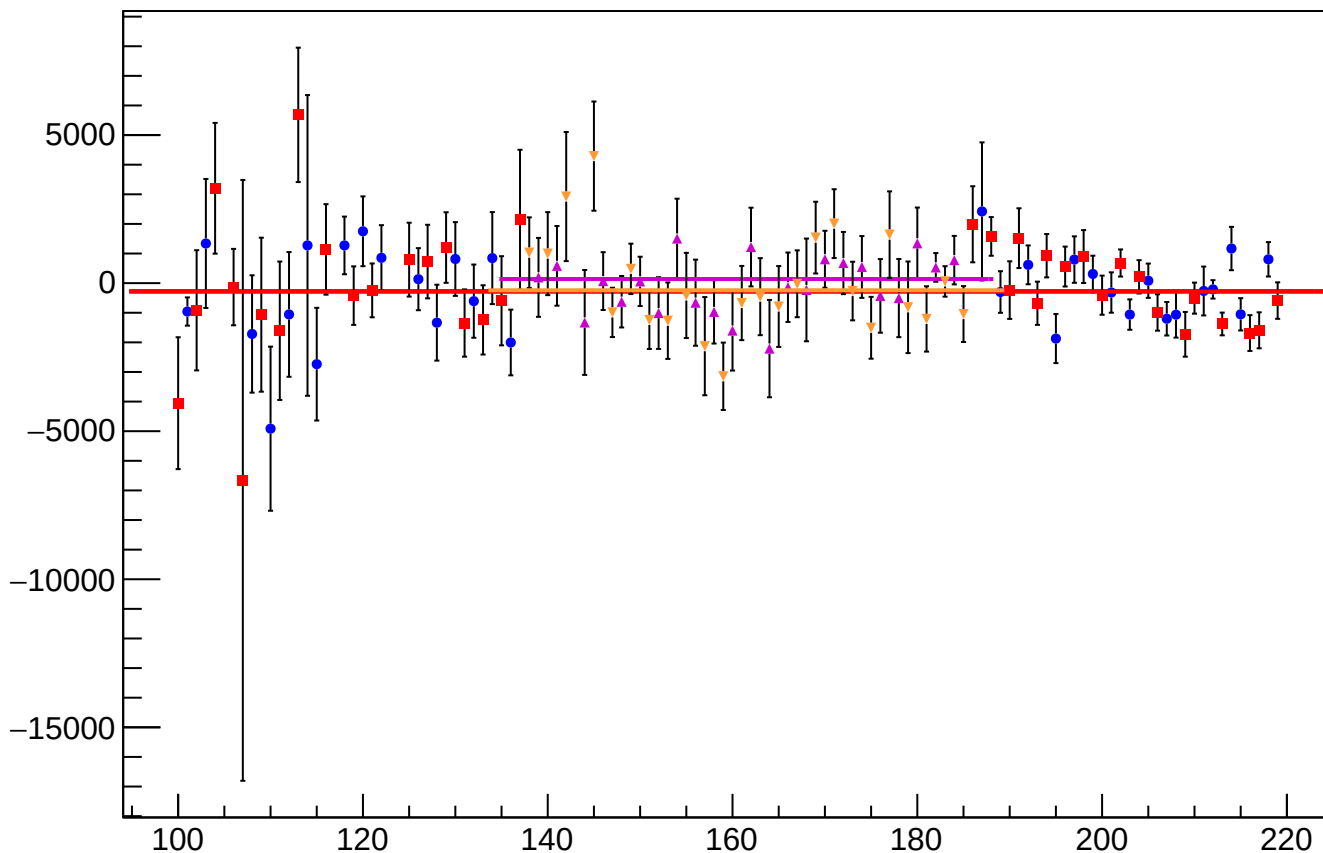
Left In: 1473.049+/-0.243 χ^2/NDF : 4751.3/22

+ sign 1480.151+/-0.168 χ^2/NDF : 160461.6/55

All: 1487.323+/-0.119 χ^2/NDF : 502251.8/114

- sign 1494.479+/-0.168 χ^2/NDF : 338160.5/58

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



Right In: -274.251 ± 133.447 χ^2/NDF : 44.6/31

Left Out: -240.269 ± 221.788 χ^2/NDF : 32.4/23

Right Out: -287.938 ± 136.237 χ^2/NDF : 69.3/35

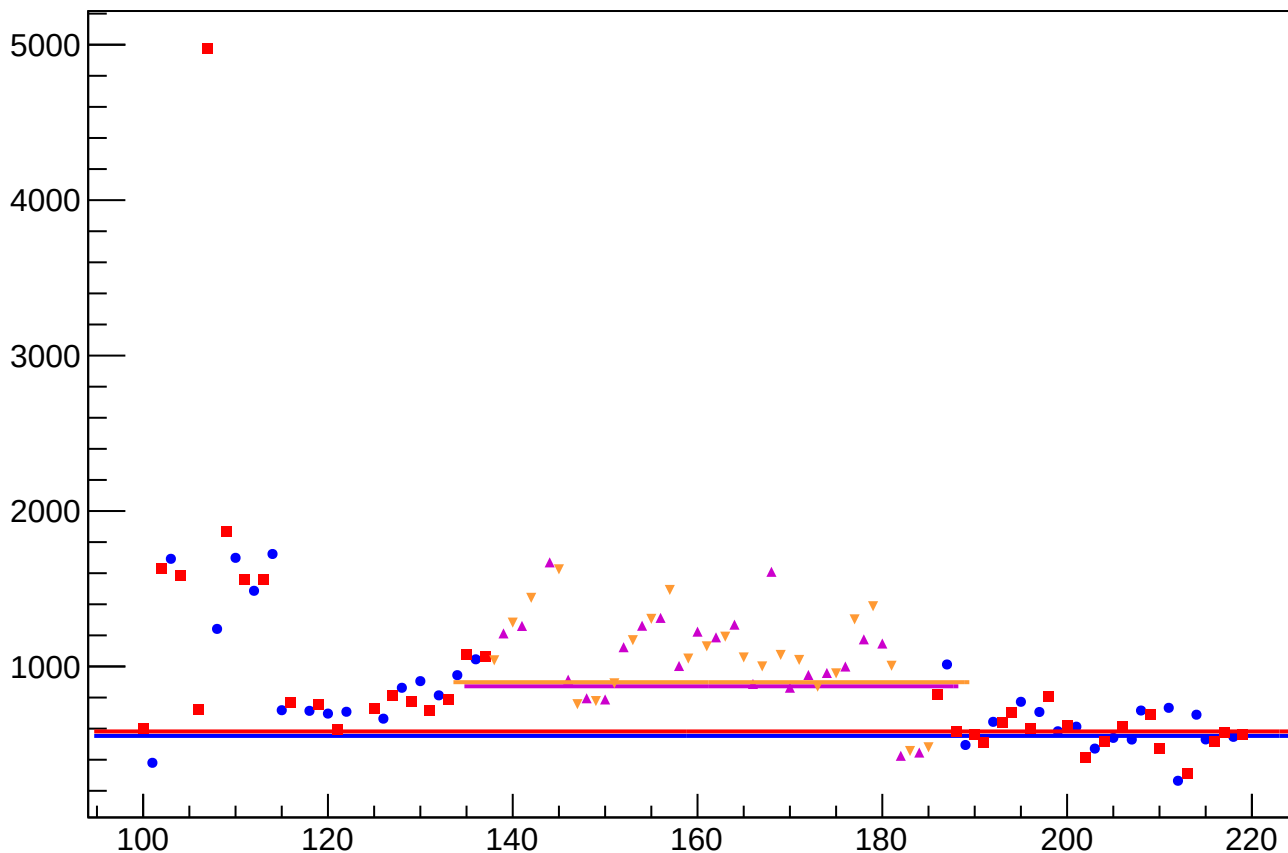
Left In: 138.421 ± 218.478 χ^2/NDF : 13.0/22

+ sign -265.219 ± 114.344 χ^2/NDF : 77.0/55

All: -217.422 ± 81.295 χ^2/NDF : 162.4/114

- sign -168.568 ± 115.603 χ^2/NDF : 85.0/58

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 553.250+/-0.094 χ^2/NDF : 5345367.1/31

Left Out: 898.850+/-0.157 χ^2/NDF : 3791537.4/23

Right Out: 582.035+/-0.096 χ^2/NDF : 4876416.9/35

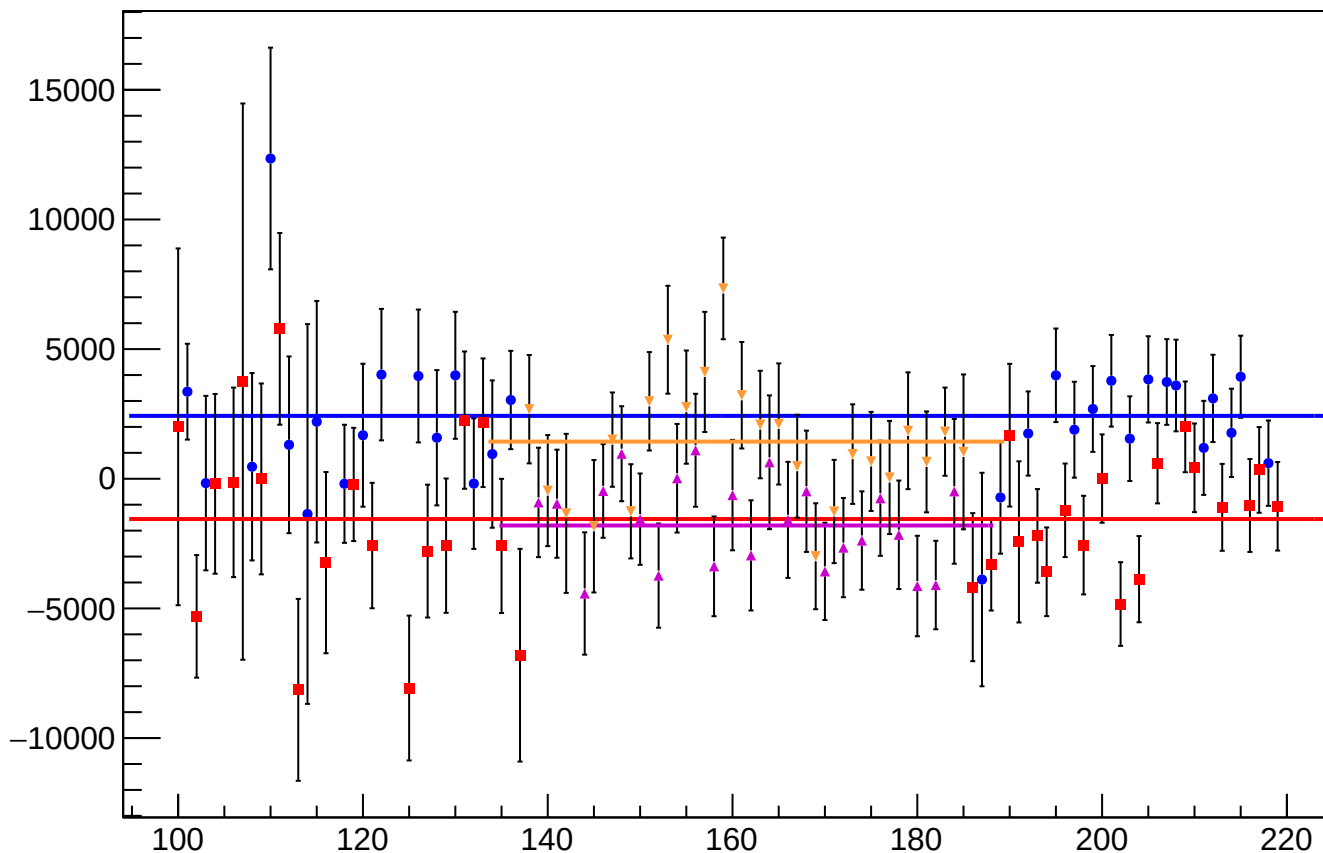
Left In: 872.473+/-0.154 χ^2/NDF : 4435524.1/22

+ sign 645.111+/-0.081 χ^2/NDF : 12702370.1/55

All: 654.131+/-0.057 χ^2/NDF : 24584361.5/111

- sign 663.351+/-0.082 χ^2/NDF : 11856823.5/58

asym_usl_atl1_avg_mean vs Slug



Right In: 2426.296 $\pm$ 370.169 χ^2 /NDF: 22.1/31

Left Out: 1433.314 $\pm$ 424.465 χ^2 /NDF:29.4/23

Right Out: -1552.662 $\pm$ 365.991 χ^2 /NDF: 44.7/35

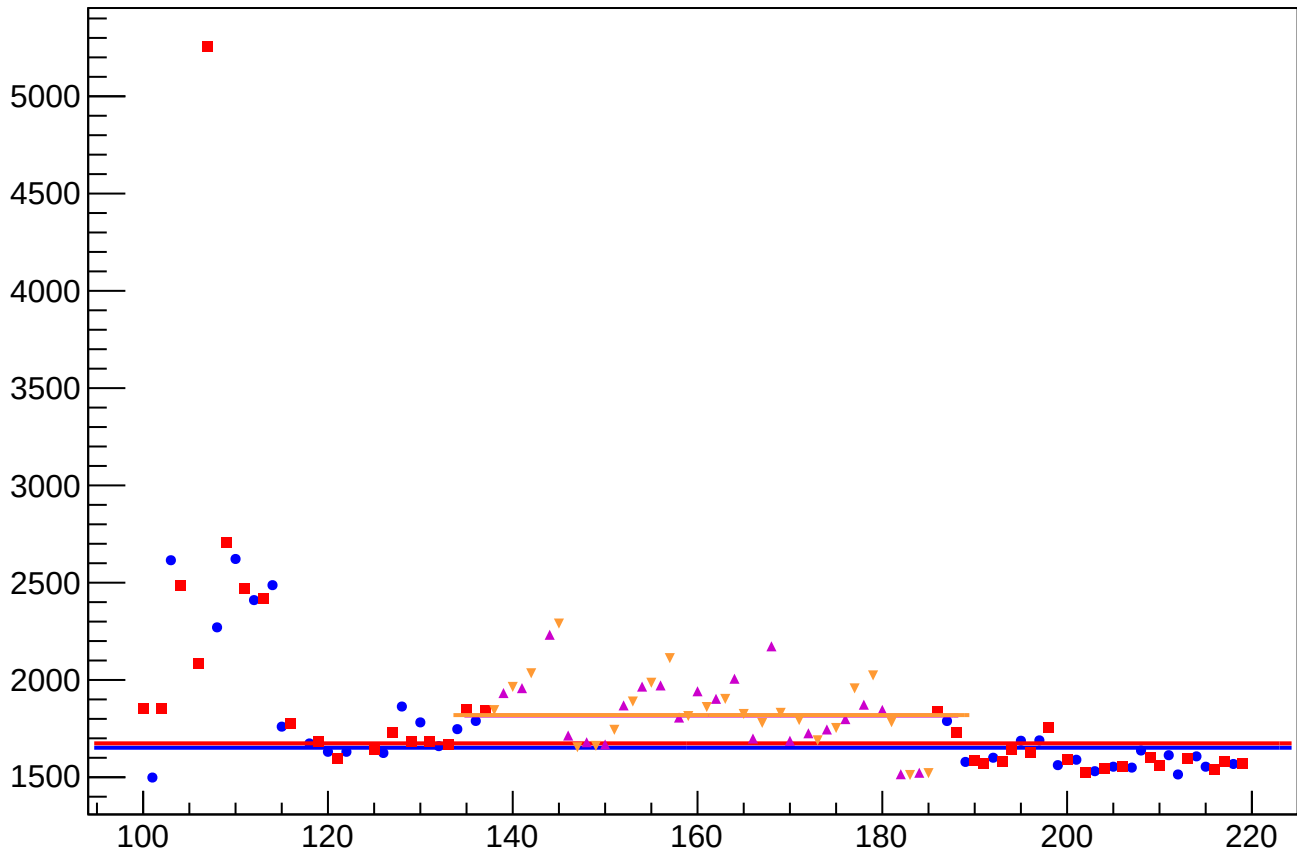
Left In: -1801.543 $\pm$ 426.483 χ^2 /NDF:15.3/22

+ sign 1997.339 $\pm$ 278.983 χ^2 /NDF: 54.6/55

All: 161.405 $\pm$ 196.830 χ^2 /NDF: 201.0/114

- sign -1658.215 $\pm$ 277.741 χ^2 /NDF: 60.2/58

asym_usl_atl1_avg_rms vs Slug



Right In: 1651.716 $\pm$ 0.262 χ^2 /NDF: 568390.5/31

Left Out: 1819.417 $\pm$ 0.300 χ^2 /NDF: 295015.0/23

Right Out: 1674.236 $\pm$ 0.259 χ^2 /NDF: 839513.5/35

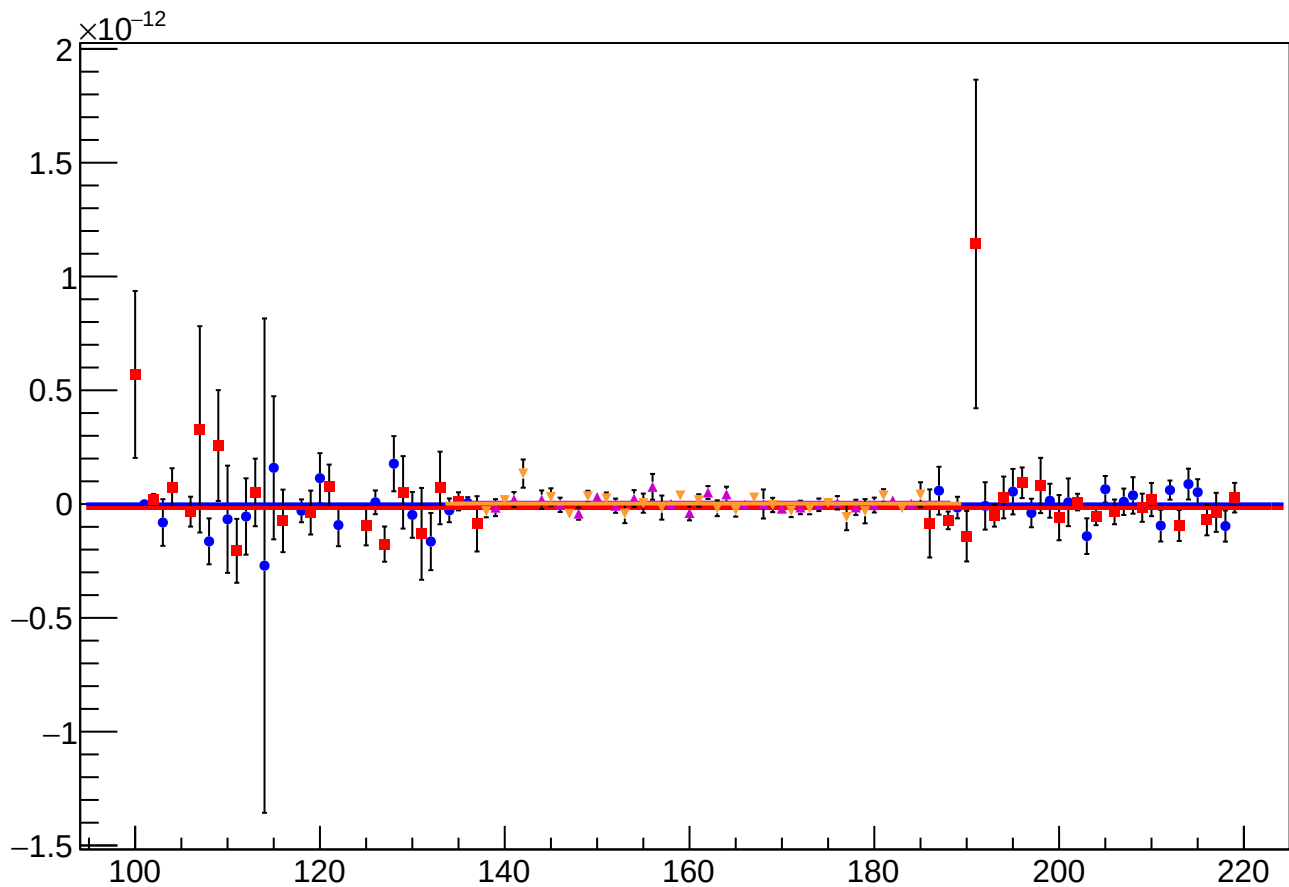
Left In: 1817.142 $\pm$ 0.302 χ^2 /NDF: 307103.2/22

+ sign 1724.161 $\pm$ 0.197 χ^2 /NDF: 1040733.1/55

All: 1729.526 $\pm$ 0.139 χ^2 /NDF: 2318142.2/11

- sign 1734.844 $\pm$ 0.196 χ^2 /NDF: 1275936.3/58

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.9/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 29.3/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 32.1/35

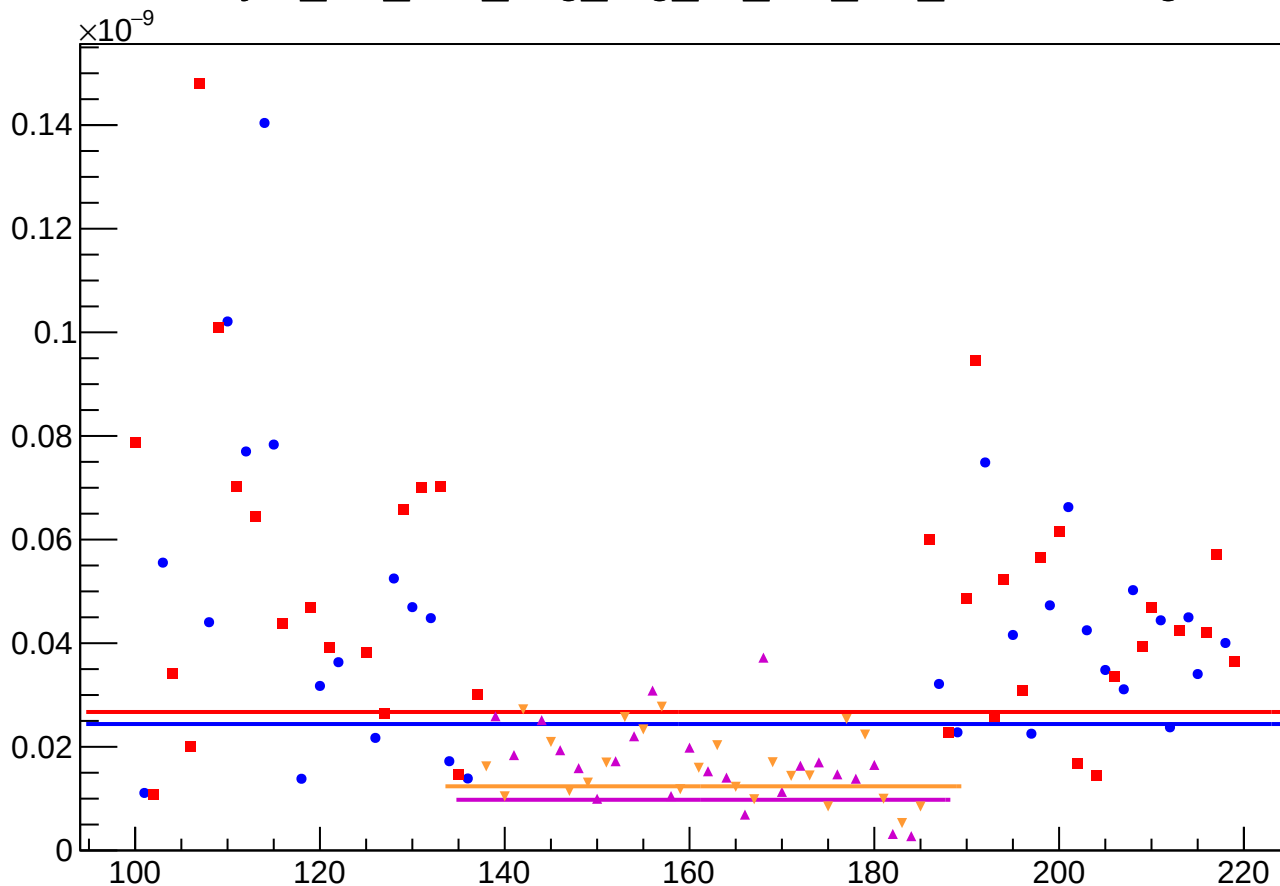
Left In: 0.000 ± 0.000 χ^2/NDF : 17.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 54.4/55

All: 0.000 ± 0.000 χ^2/NDF : 108.3/114

- sign 0.000 ± 0.000 χ^2/NDF : 53.9/58

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 4370883.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1898110.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4136110.1/35

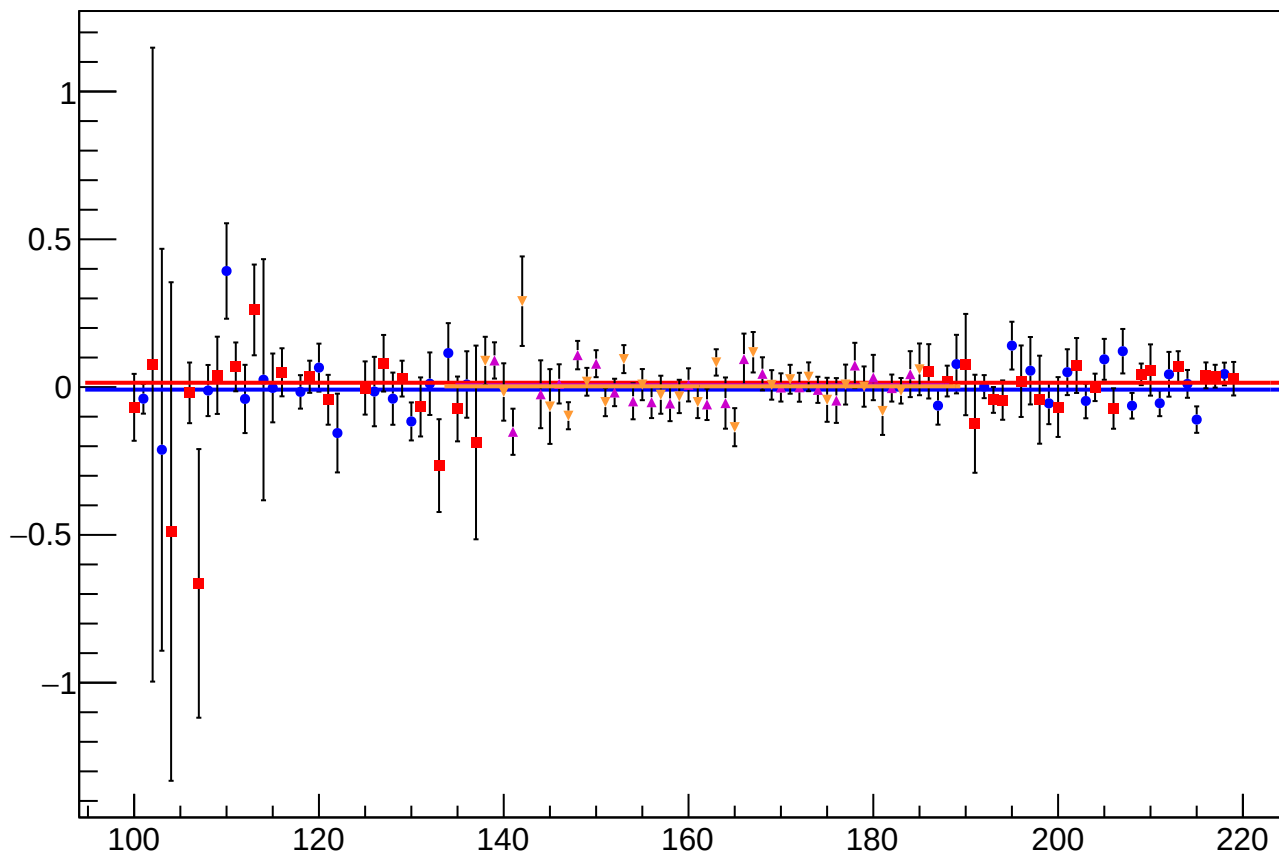
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 4499862.2/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 8432121.9/55

All: 0.000 $\pm$ 0.000 χ^2/NDF : 21397892.5/114

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 12635526.2/58

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.009 ± 0.012 χ^2/NDF : 35.5/31

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.015 ± 0.012 χ^2/NDF : 21.7/35

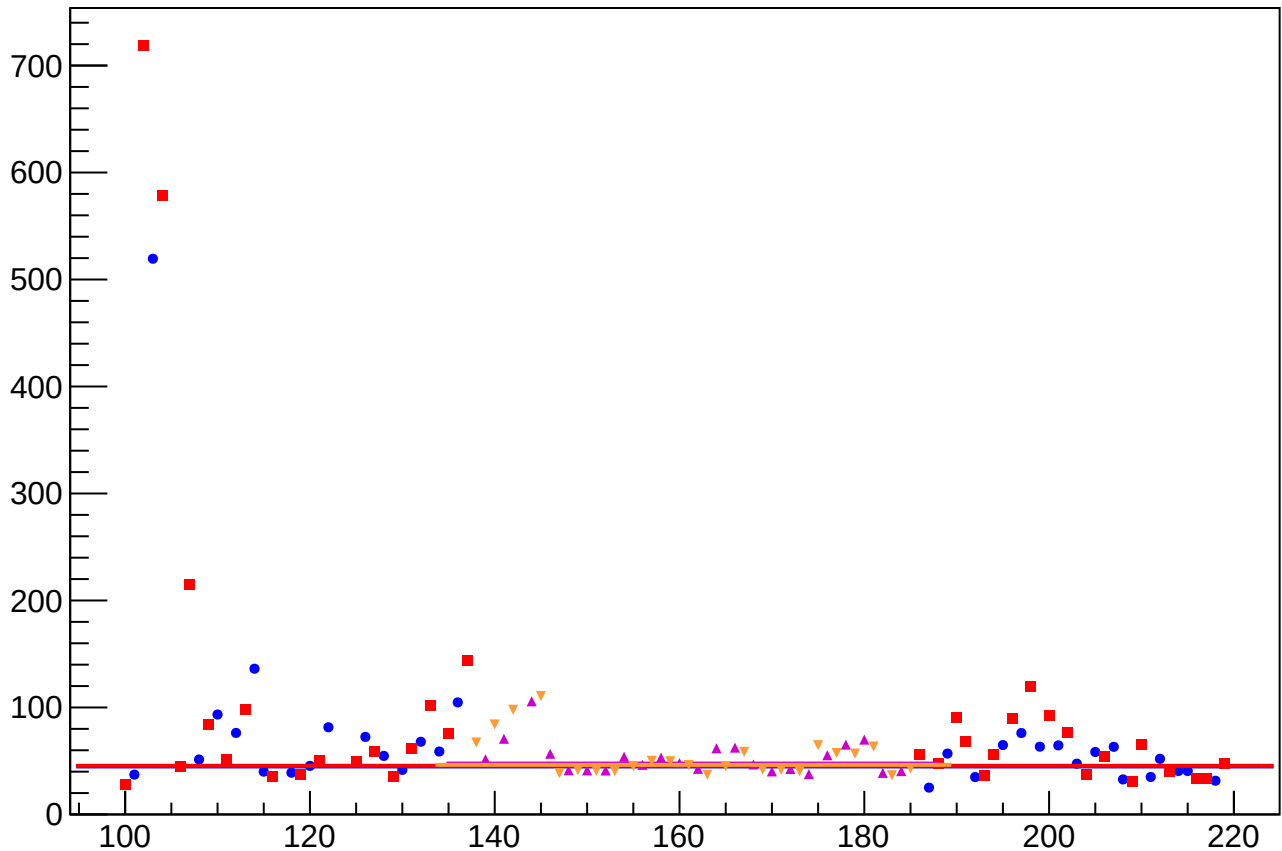
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.003 ± 0.008 χ^2/NDF : 65.8/55

All: 0.004 ± 0.006 χ^2/NDF : 110.6/114

- sign 0.010 ± 0.009 χ^2/NDF : 43.6/58

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 44.872 $\pm$ 0.008 χ^2 /NDF: 4113004.8/31

Left Out: 46.353 $\pm$ 0.008 χ^2 /NDF:1967753.2/23

Right Out: 45.477 $\pm$ 0.009 χ^2 /NDF: 5801053.2/35

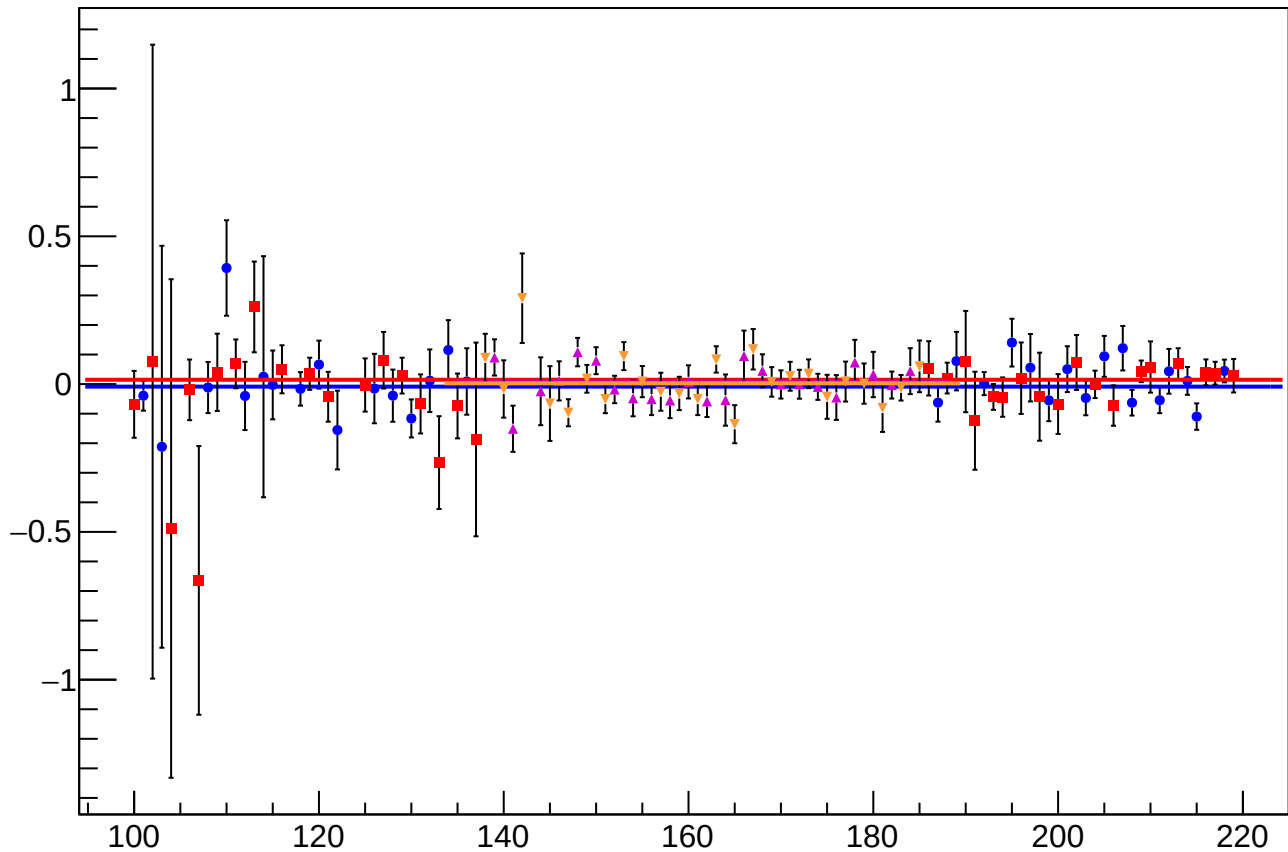
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF:1576196.2/22

+ sign 45.612 $\pm$ 0.006 χ^2 /NDF: 6096276.0/55

All: 46.058 $\pm$ 0.004 χ^2 /NDF: 13515053.9/114

- sign 46.521 $\pm$ 0.006 χ^2 /NDF: 7407308.0/58

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009 ± 0.012 χ^2/NDF : 35.5/31

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.015 ± 0.012 χ^2/NDF : 21.7/35

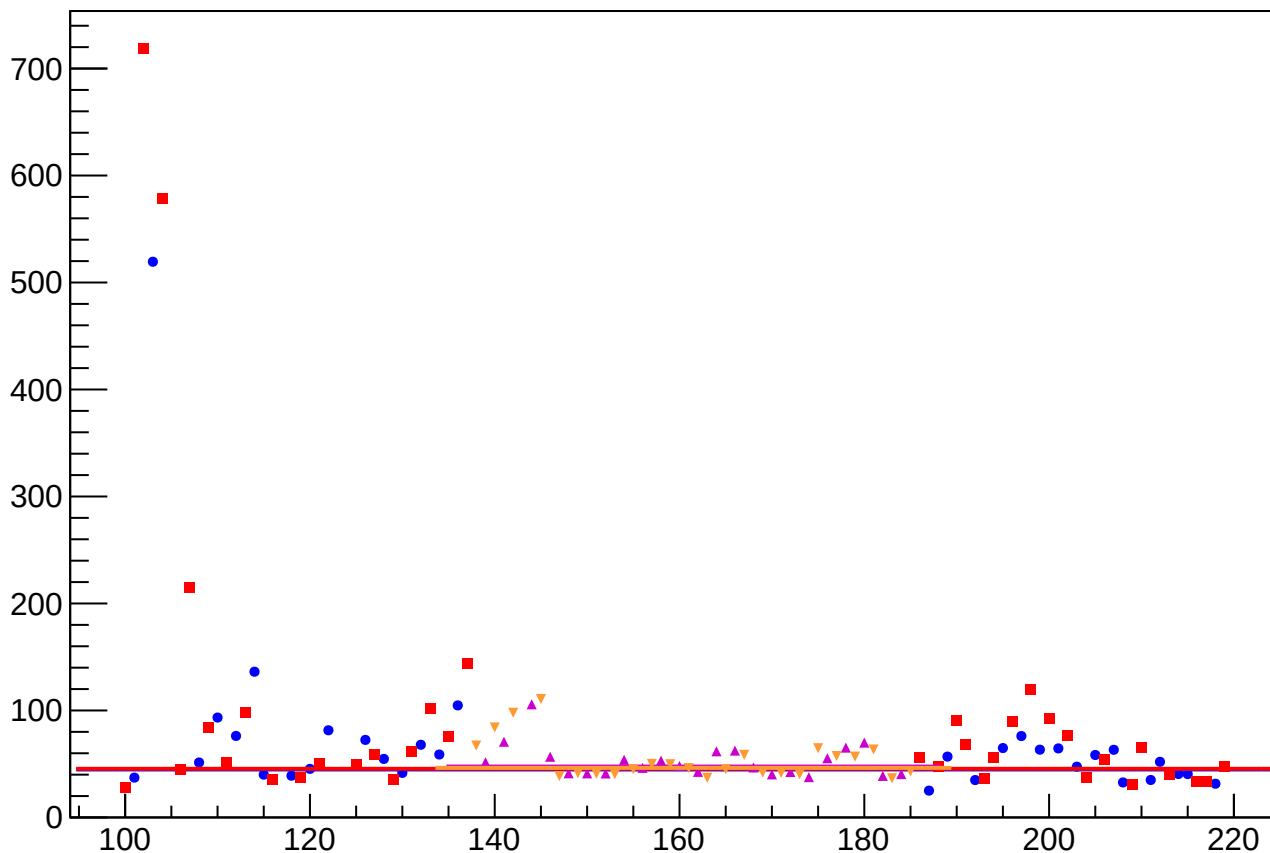
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.003 ± 0.008 χ^2/NDF : 65.8/55

All: 0.004 ± 0.006 χ^2/NDF : 110.6/114

- sign 0.010 ± 0.009 χ^2/NDF : 43.6/58

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.872 $\pm$ 0.008 χ^2 /NDF: 4113004.8/31

Left Out: 46.353 $\pm$ 0.008 χ^2 /NDF:1967753.2/23

Right Out: 45.477 $\pm$ 0.009 χ^2 /NDF: 5801053.2/35

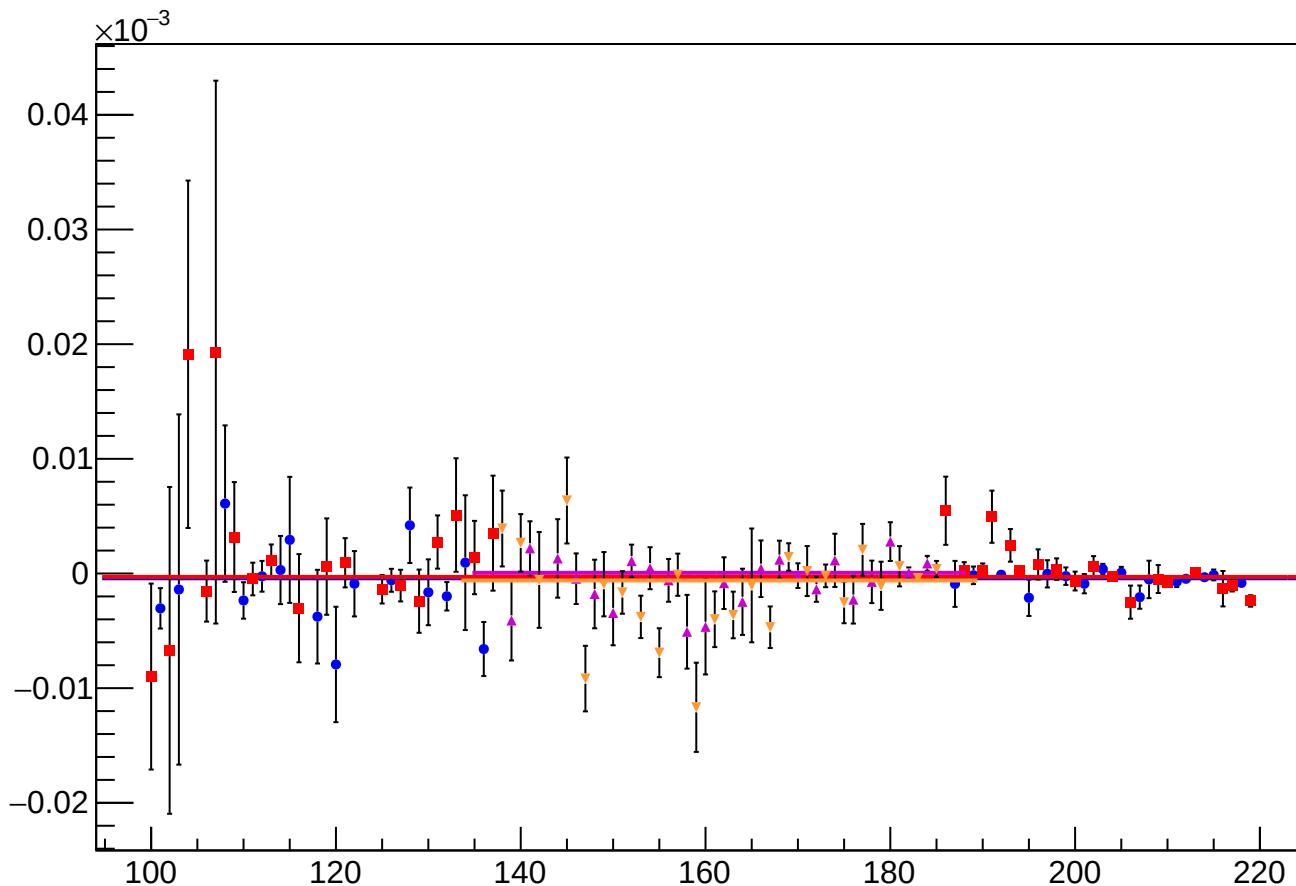
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF:1576196.2/22

+ sign 45.612 $\pm$ 0.006 χ^2 /NDF: 6096276.0/55

All: 46.058 $\pm$ 0.004 χ^2 /NDF: 13515053.9/114

- sign 46.521 $\pm$ 0.006 χ^2 /NDF: 7407308.0/58

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.5/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 54.0/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 58.7/35

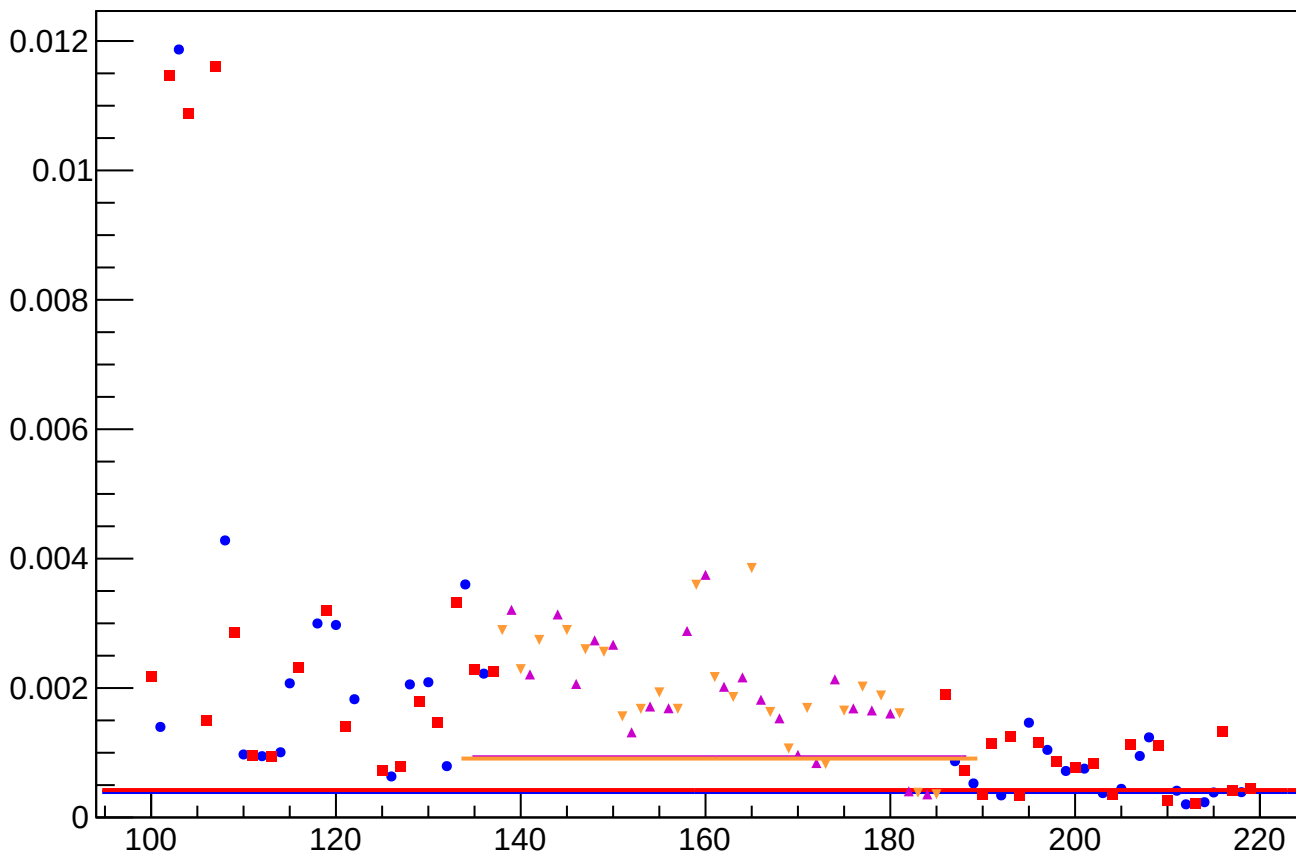
Left In: 0.000 ± 0.000 χ^2/NDF : 17.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 83.8/55

All: -0.000 ± 0.000 χ^2/NDF : 163.5/114

- sign -0.000 ± 0.000 χ^2/NDF : 77.9/58

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14181947.2/31

Left Out: 0.001+/-0.000 χ^2/NDF :14137356.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 16248142.1/35

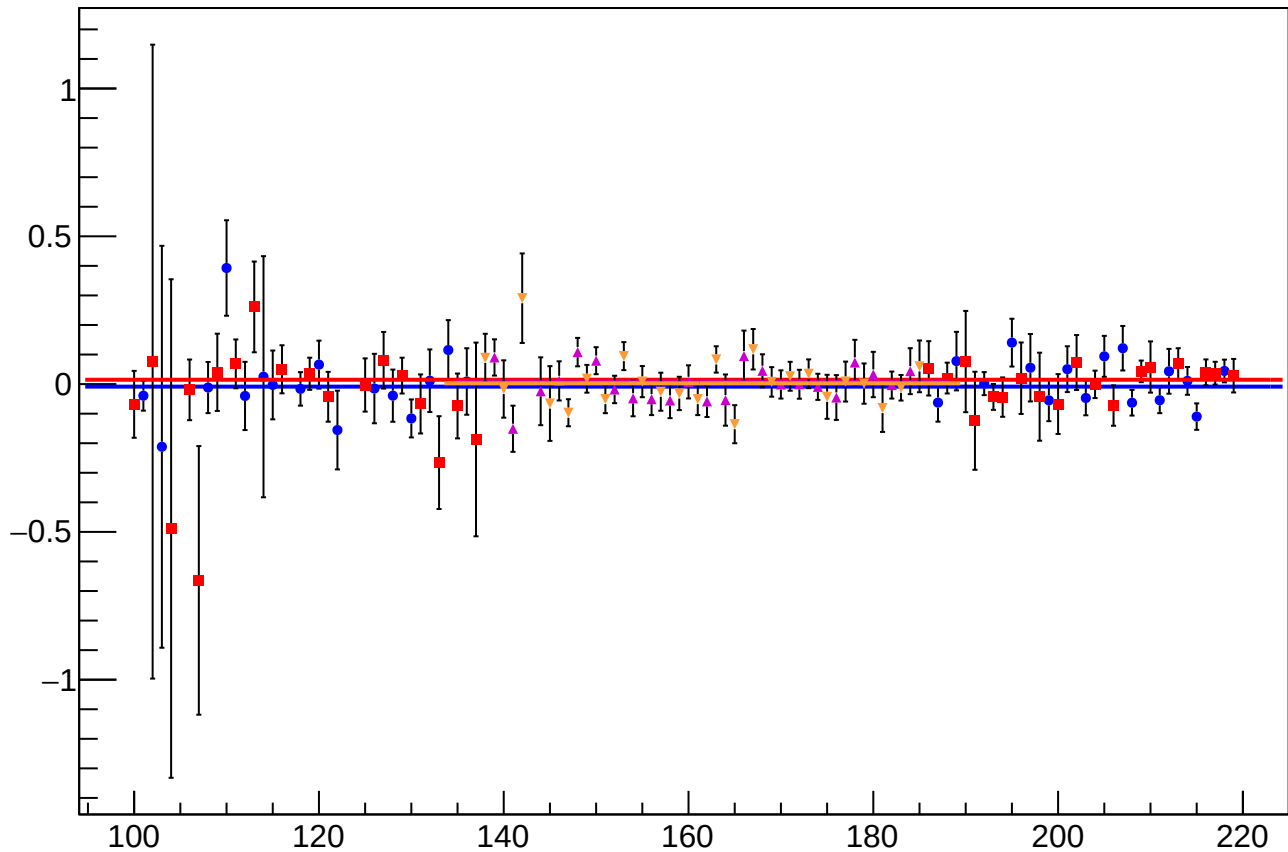
Left In: 0.001+/-0.000 χ^2/NDF :13690985.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 34210527.8/55

All: 0.000+/-0.000 χ^2/NDF : 69678174.9/114

- sign 0.001+/-0.000 χ^2/NDF : 35366481.4/58

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.009 ± 0.012 χ^2/NDF : 35.5/31

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.015 ± 0.012 χ^2/NDF : 21.7/35

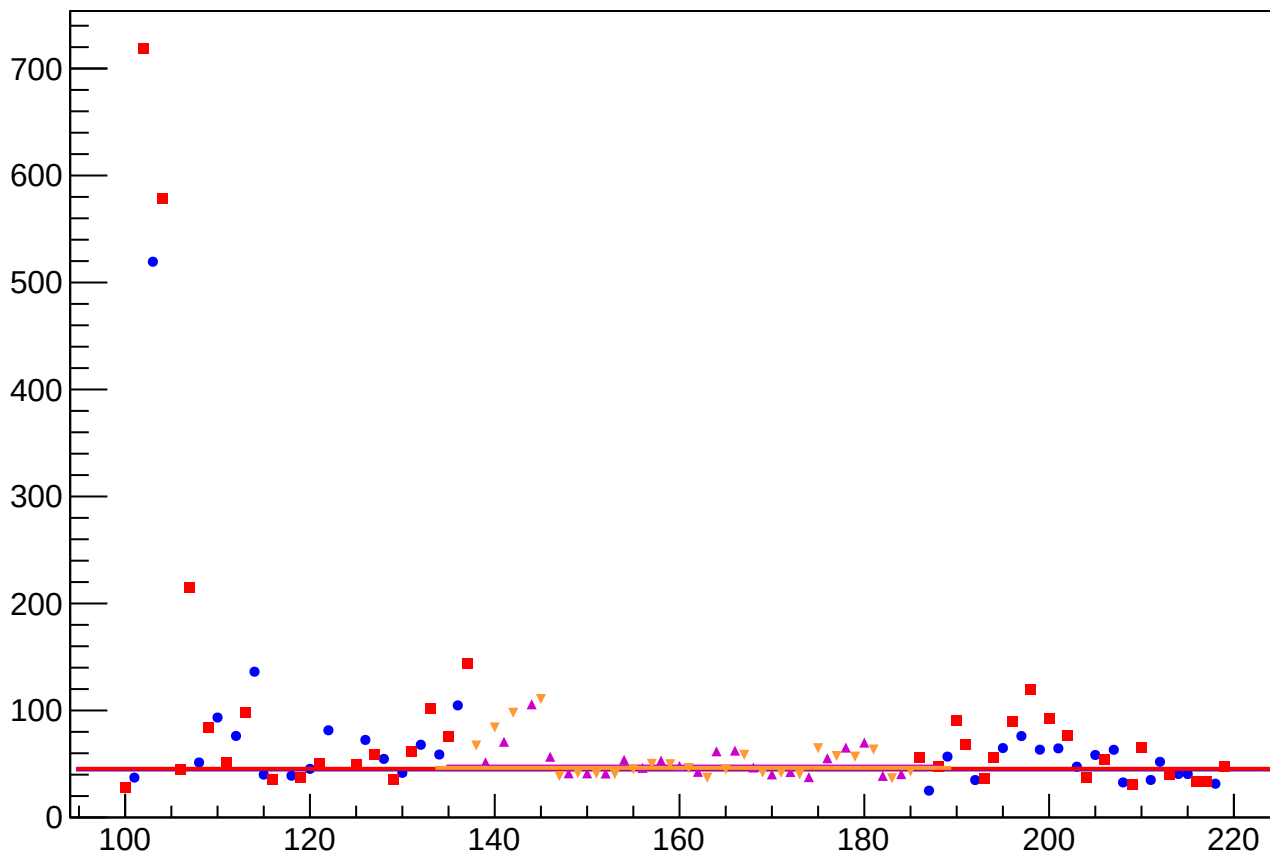
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.003 ± 0.008 χ^2/NDF : 65.8/55

All: 0.004 ± 0.006 χ^2/NDF : 110.6/114

- sign 0.010 ± 0.009 χ^2/NDF : 43.6/58

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.872 $\pm$ 0.008 χ^2 /NDF: 4113025.7/31

Left Out: 46.354 $\pm$ 0.008 χ^2 /NDF:1967741.3/23

Right Out: 45.477 $\pm$ 0.009 χ^2 /NDF: 5801056.9/35

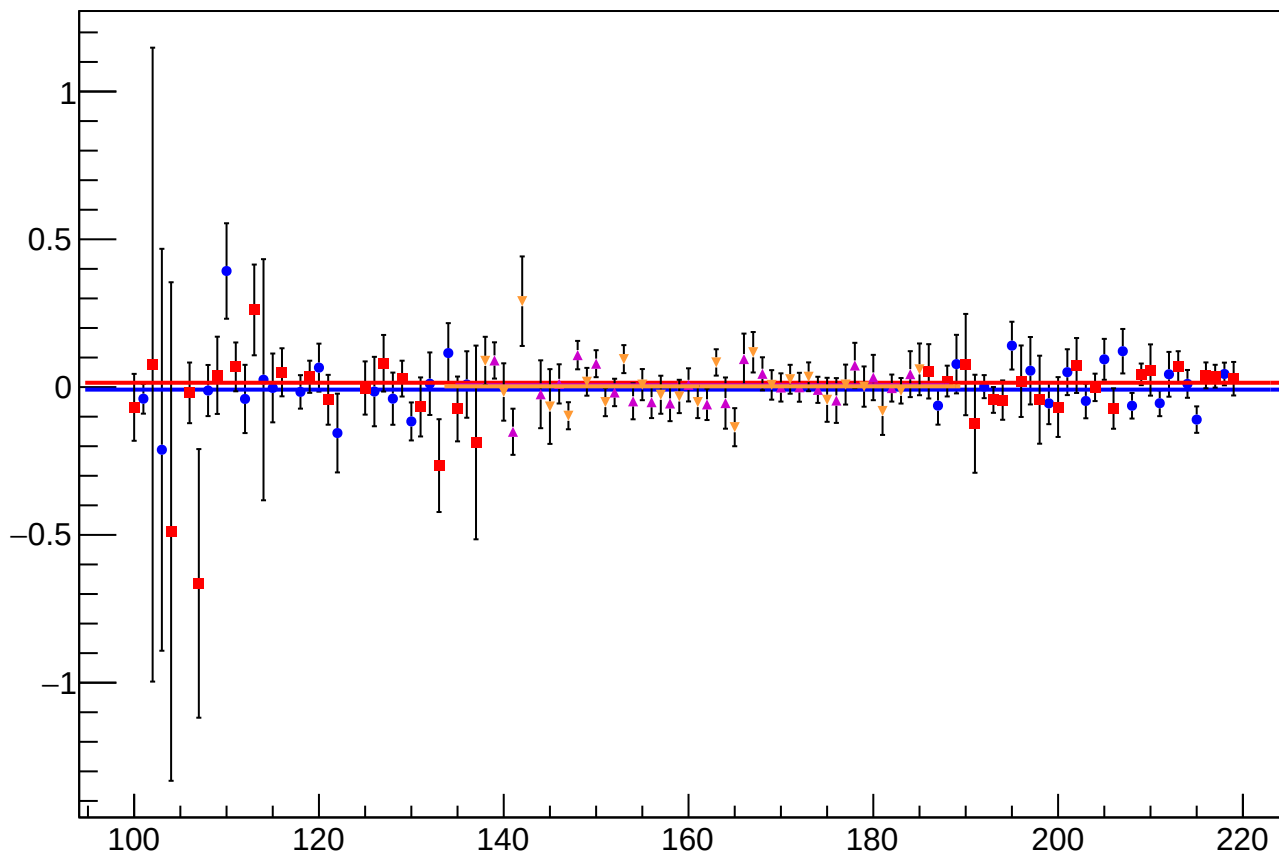
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF:1576204.5/22

+ sign 45.612 $\pm$ 0.006 χ^2 /NDF: 6096289.2/55

All: 46.058 $\pm$ 0.004 χ^2 /NDF: 13515084.2/114

- sign 46.520 $\pm$ 0.006 χ^2 /NDF: 7407328.6/58

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009 ± 0.012 χ^2/NDF : 35.5/31

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.015 ± 0.012 χ^2/NDF : 21.7/35

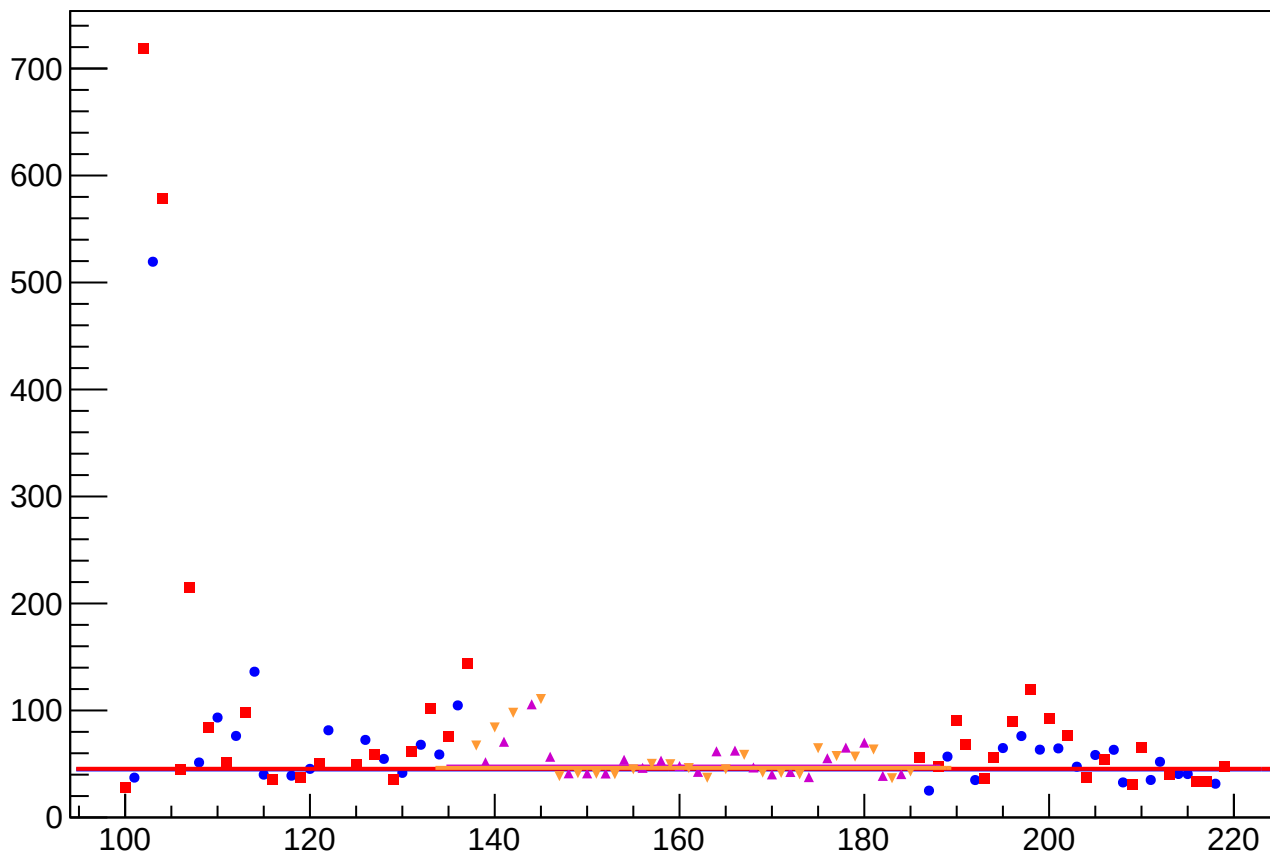
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.003 ± 0.008 χ^2/NDF : 65.8/55

All: 0.004 ± 0.006 χ^2/NDF : 110.6/114

- sign 0.010 ± 0.009 χ^2/NDF : 43.6/58

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.872 $\pm$ 0.008 χ^2 /NDF: 4113025.7/31

Left Out: 46.354 $\pm$ 0.008 χ^2 /NDF:1967741.3/23

Right Out: 45.477 $\pm$ 0.009 χ^2 /NDF: 5801056.9/35

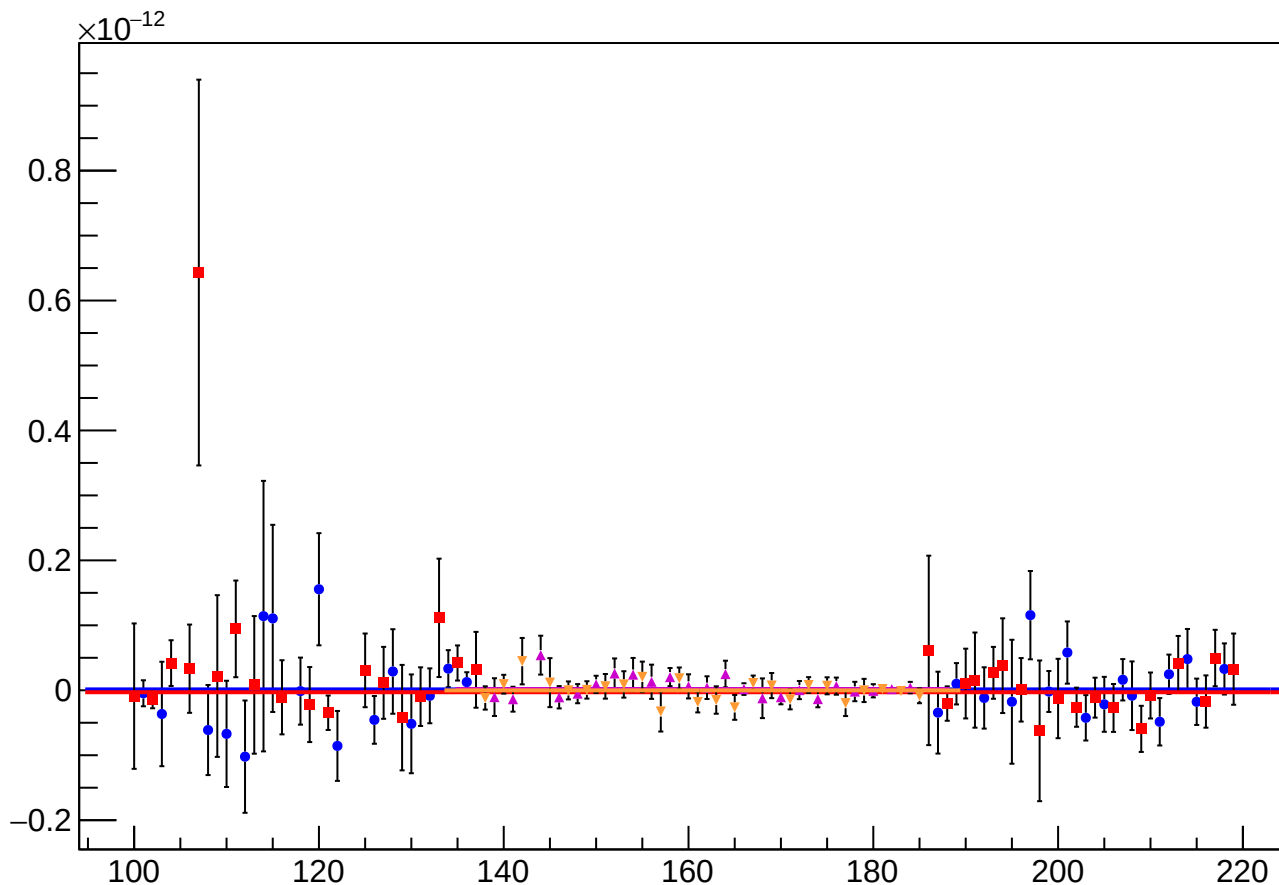
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF:1576204.5/22

+ sign 45.612 $\pm$ 0.006 χ^2 /NDF: 6096289.2/55

All: 46.058 $\pm$ 0.004 χ^2 /NDF: 13515084.2/114

- sign 46.520 $\pm$ 0.006 χ^2 /NDF: 7407328.6/58

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 25.4/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 13.9/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 24.8/35

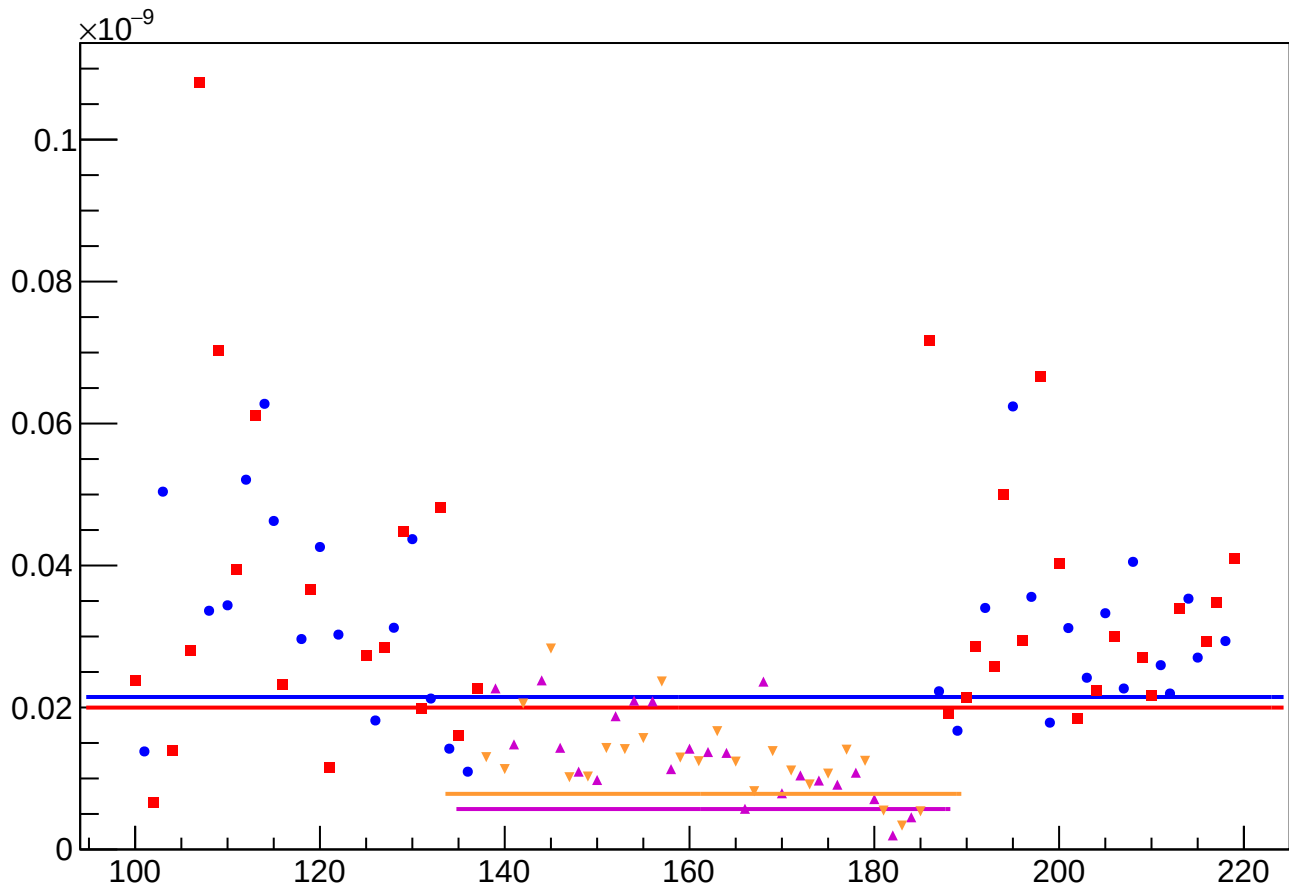
Left In: 0.000 ± 0.000 χ^2/NDF : 13.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 39.3/55

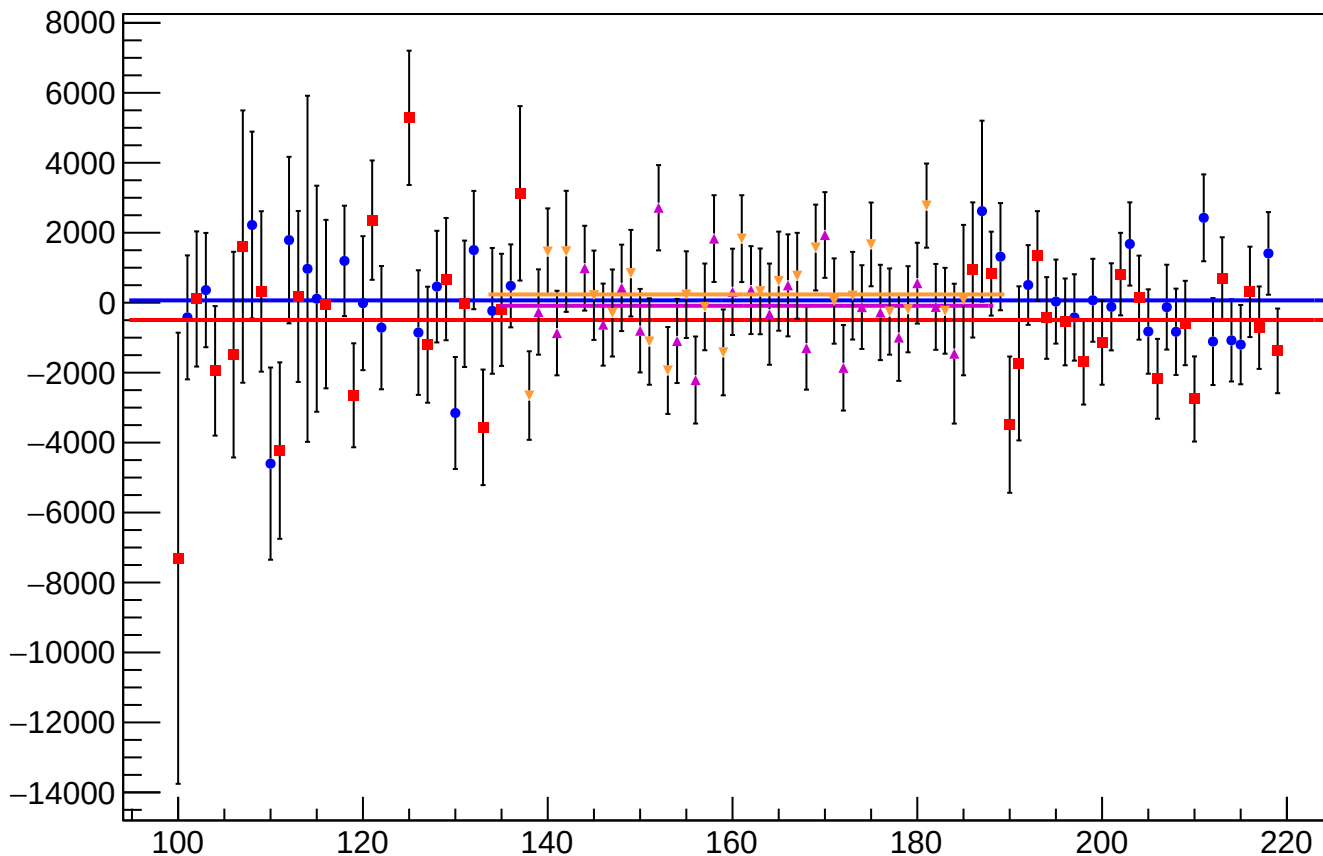
All: 0.000 ± 0.000 χ^2/NDF : 78.1/114

- sign 0.000 ± 0.000 χ^2/NDF : 38.6/58

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_usl_atl1_dd_mean vs Slug



Right In: 65.865 ± 257.893 χ^2/NDF : 23.0/31

Left Out: 236.601 ± 259.669 χ^2/NDF : 22.7/23

Right Out: -494.992 ± 254.120 χ^2/NDF : 41.8/35

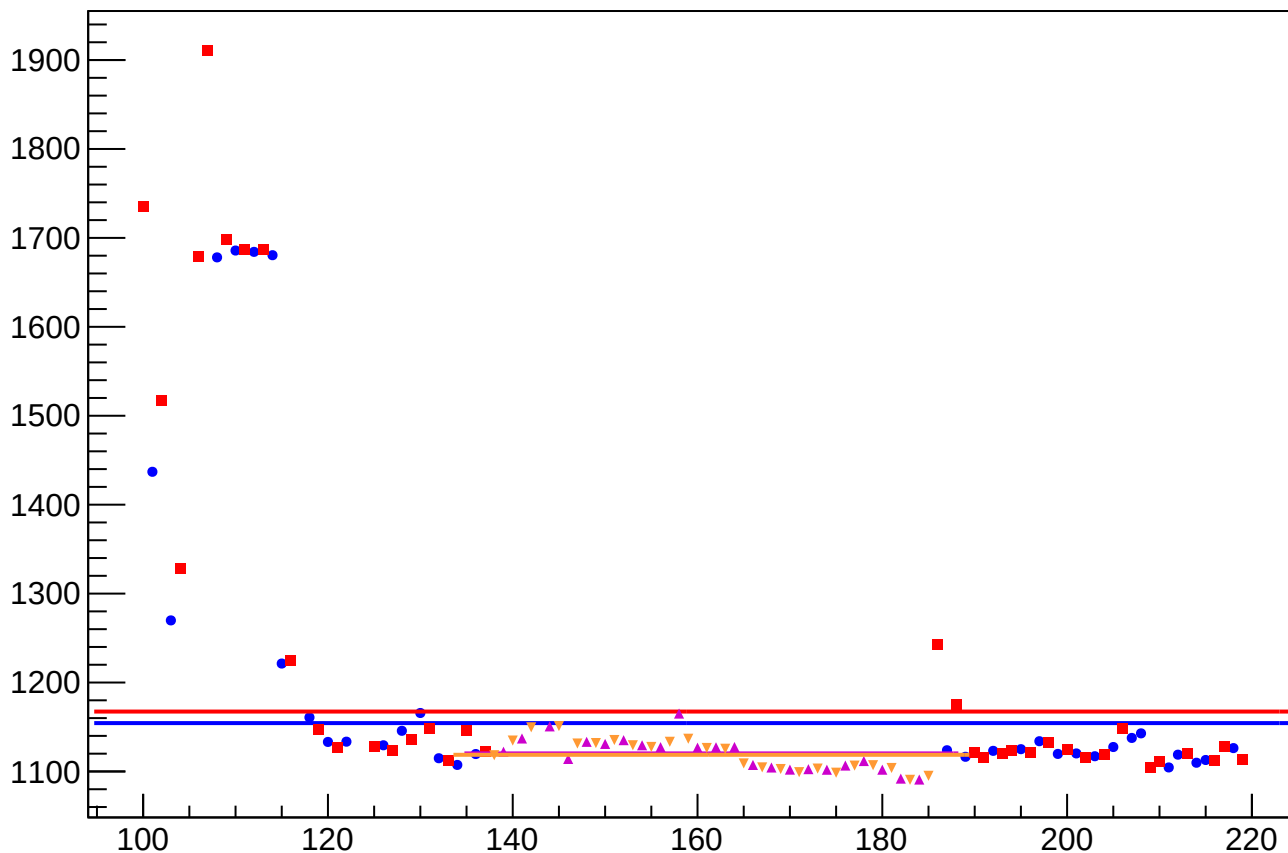
Left In: -88.380 ± 261.602 χ^2/NDF : 20.9/22

+ sign 150.647 ± 182.982 χ^2/NDF : 46.0/55

All: -74.333 ± 129.138 χ^2/NDF : 112.9/114

- sign -297.584 ± 182.278 χ^2/NDF : 63.9/58

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1154.377 $\pm$ 0.182 χ^2 /NDF: 363545.3/31

Left Out: 1118.733 $\pm$ 0.184 χ^2 /NDF: 8205.0/23

Right Out: 1167.355 $\pm$ 0.180 χ^2 /NDF: 568892.0/35

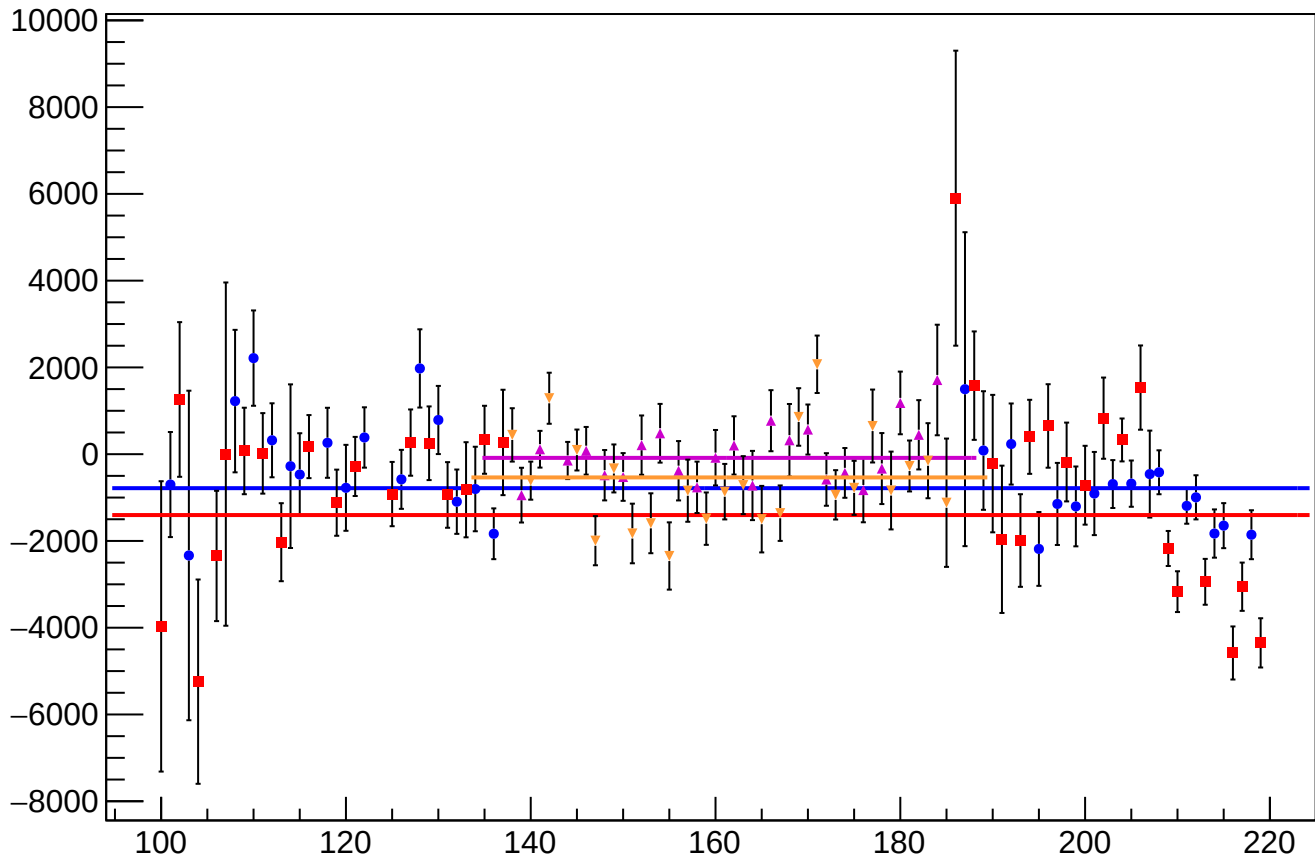
Left In: 1120.308 $\pm$ 0.185 χ^2 /NDF: 9479.7/22

+ sign 1136.678 $\pm$ 0.129 χ^2 /NDF: 390721.8/55

All: 1140.611 $\pm$ 0.091 χ^2 /NDF: 1004215.4/11

- sign 1144.514 $\pm$ 0.129 χ^2 /NDF: 611652.4/58

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -783.521 ± 131.059 $\chi^2/\text{NDF}: 49.2/31$

Left Out: -535.899 ± 130.646 $\chi^2/\text{NDF}: 61.6/23$

Right Out: -1403.323 ± 132.648 $\chi^2/\text{NDF}: 173.8/35$

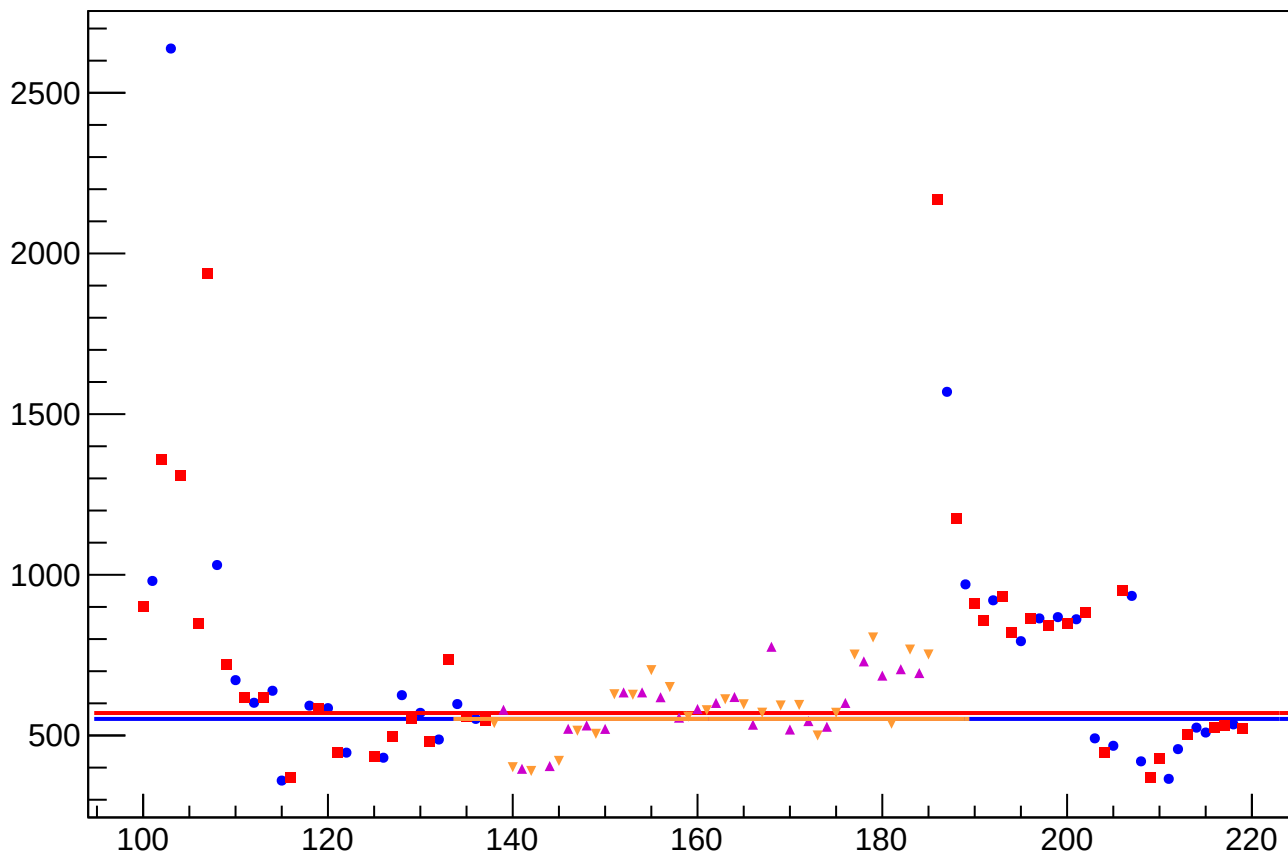
Left In: -85.254 ± 130.966 $\chi^2/\text{NDF}: 17.1/22$

+ sign -659.320 ± 92.526 $\chi^2/\text{NDF}: 112.5/55$

All: -697.323 ± 65.661 $\chi^2/\text{NDF}: 353.9/114$

- sign -735.878 ± 93.196 $\chi^2/\text{NDF}: 241.0/58$

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 551.505+/-0.093 χ^2/NDF : 3777294.7/31

Left Out: 551.440+/-0.092 χ^2/NDF :1226616.4/23

Right Out: 569.854+/-0.094 χ^2/NDF : 4773448.4/35

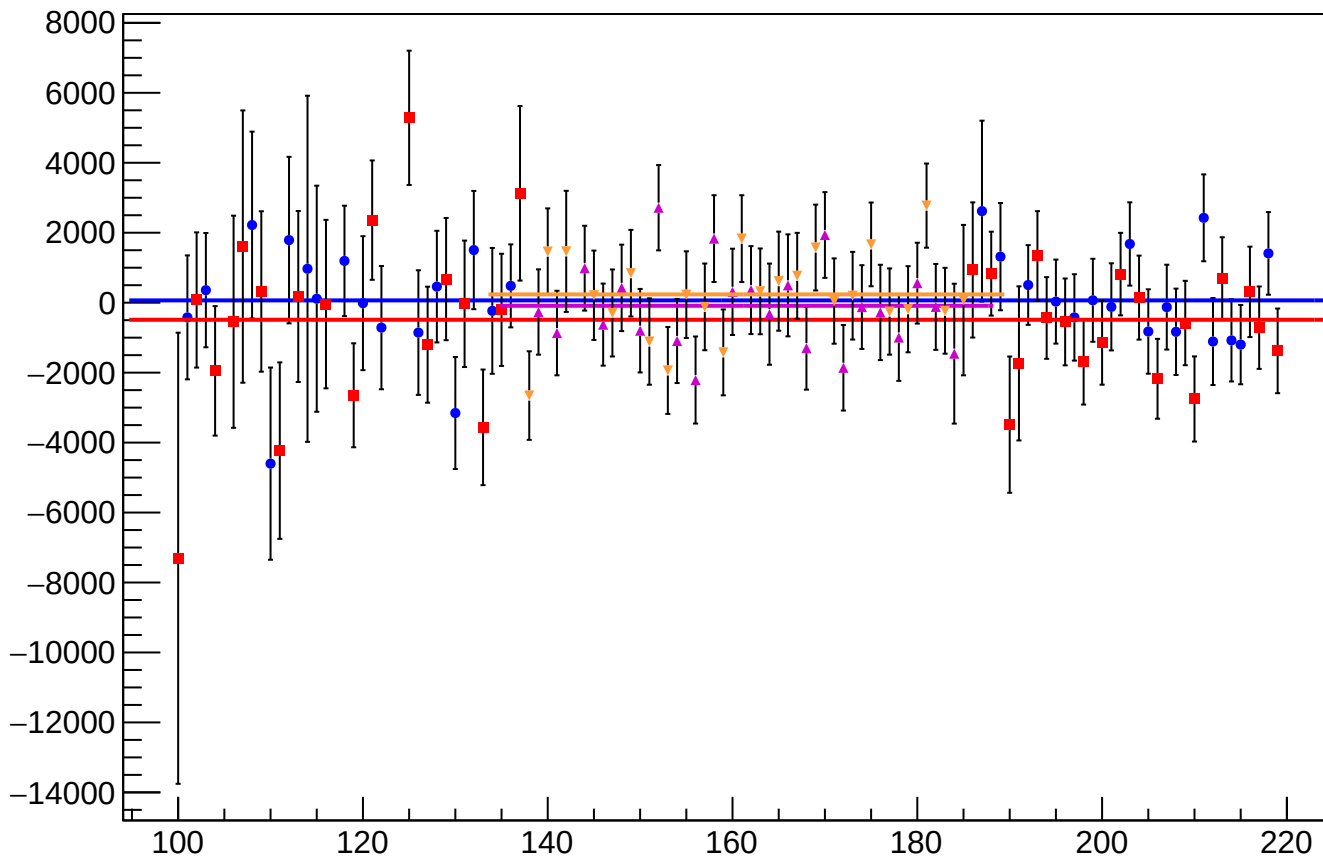
Left In: 551.336+/-0.093 χ^2/NDF :1061764.2/22

+ sign 551.472+/-0.065 χ^2/NDF : 5003911.4/55

All: 555.942+/-0.046 χ^2/NDF : 10868262.4/100

- sign 560.477+/-0.066 χ^2/NDF : 5854948.9/58

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 65.743 ± 257.893 χ^2/NDF : 23.0/31

Left Out: 236.642 ± 259.669 χ^2/NDF : 22.7/23

Right Out: -488.462 ± 254.178 χ^2/NDF : 41.6/35

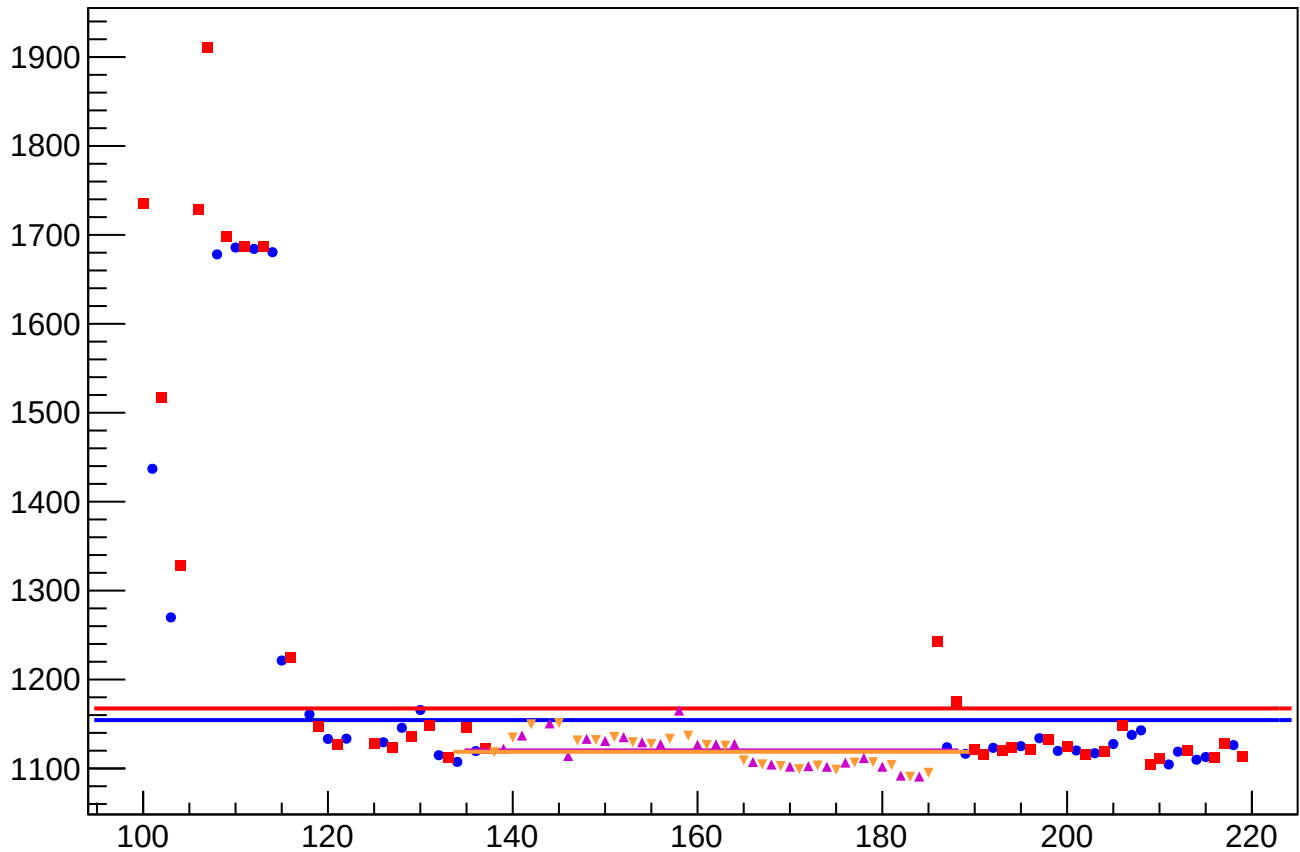
Left In: -88.370 ± 261.602 χ^2/NDF : 20.9/22

+ sign 150.606 ± 182.982 χ^2/NDF : 46.0/55

All: -72.616 ± 129.146 χ^2/NDF : 112.7/114

- sign -294.174 ± 182.299 χ^2/NDF : 63.7/58

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1154.377 $\pm$ 0.182 χ^2 /NDF: 363545.3/31

Left Out: 1118.733 $\pm$ 0.184 χ^2 /NDF: 8205.0/23

Right Out: 1167.477 $\pm$ 0.180 χ^2 /NDF: 576920.2/35

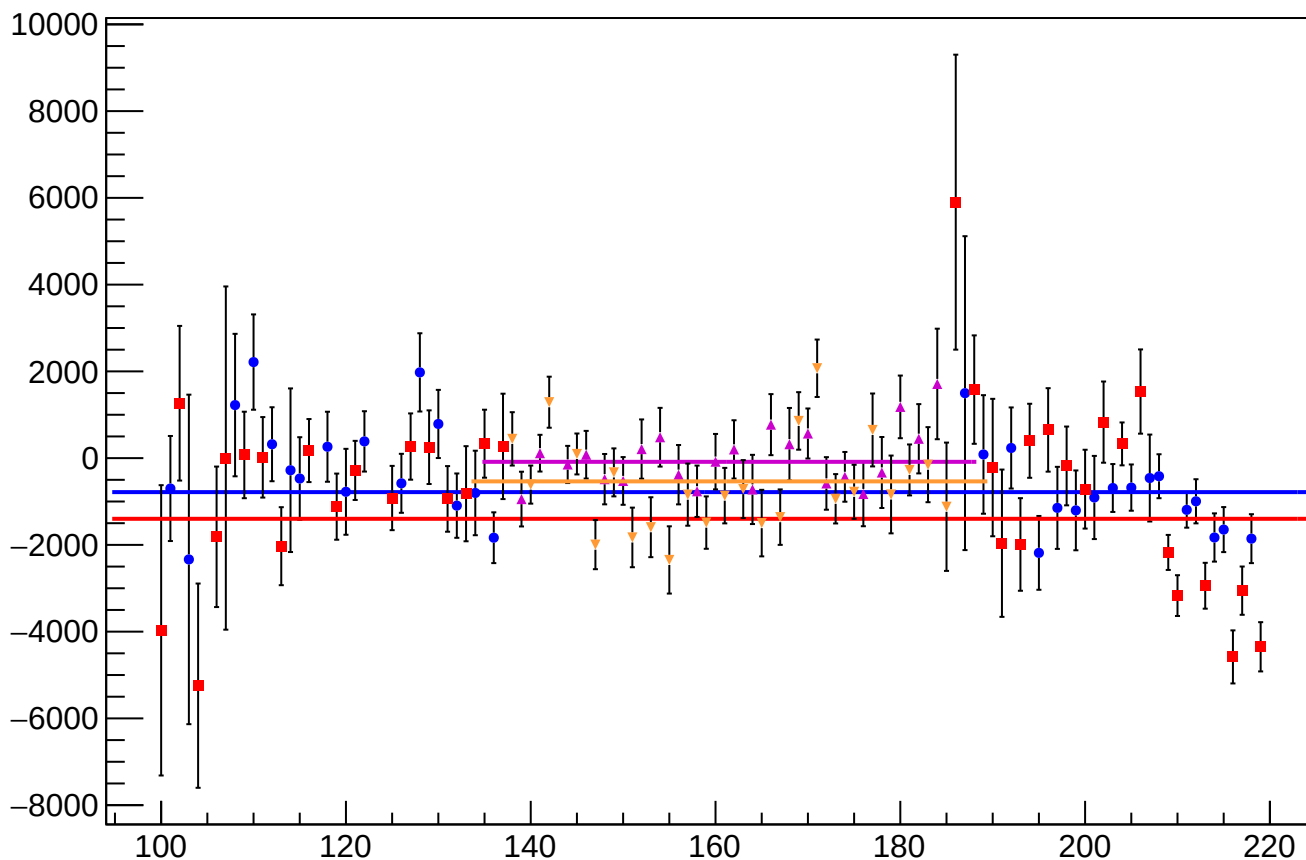
Left In: 1120.308 $\pm$ 0.185 χ^2 /NDF: 9479.7/22

+ sign 1136.678 $\pm$ 0.129 χ^2 /NDF: 390721.9/55

All: 1140.639 $\pm$ 0.091 χ^2 /NDF: 1012435.8/11

- sign 1144.571 $\pm$ 0.129 χ^2 /NDF: 619845.8/58

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -783.520 ± 131.058 $\chi^2/\text{NDF}: 49.2/31$

Left Out: -535.930 ± 130.646 $\chi^2/\text{NDF}: 61.6/23$

Right Out: -1398.699 ± 132.720 $\chi^2/\text{NDF}: 173.5/35$

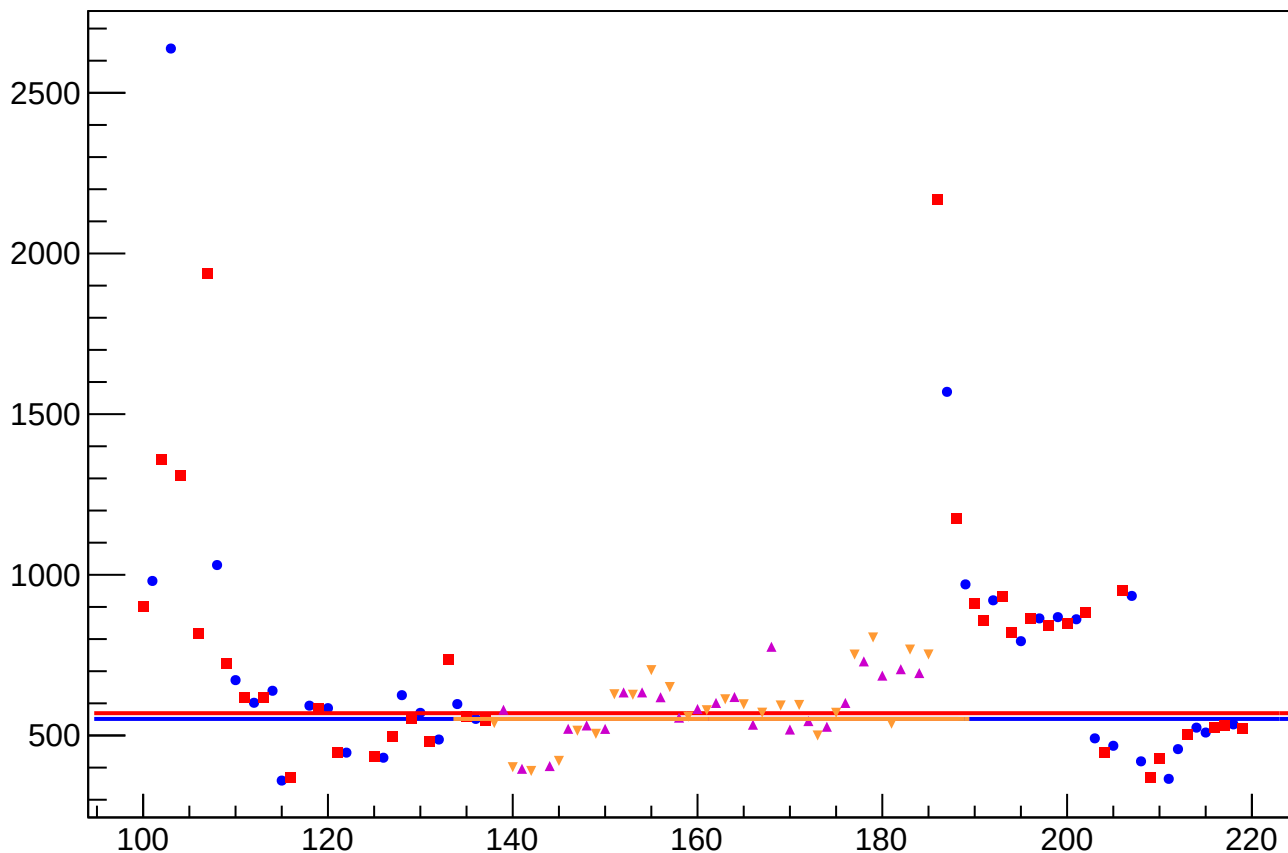
Left In: -85.243 ± 130.966 $\chi^2/\text{NDF}: 17.1/22$

+ sign -659.335 ± 92.526 $\chi^2/\text{NDF}: 112.5/55$

All: -696.008 ± 65.670 $\chi^2/\text{NDF}: 353.1/114$

- sign -733.234 ± 93.221 $\chi^2/\text{NDF}: 240.3/58$

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 551.502 $\pm$ 0.093 χ^2 /NDF: 3777281.4/31

Left Out: 551.439 $\pm$ 0.092 χ^2 /NDF:1226632.2/23

Right Out: 569.336 $\pm$ 0.094 χ^2 /NDF: 4751801.3/35

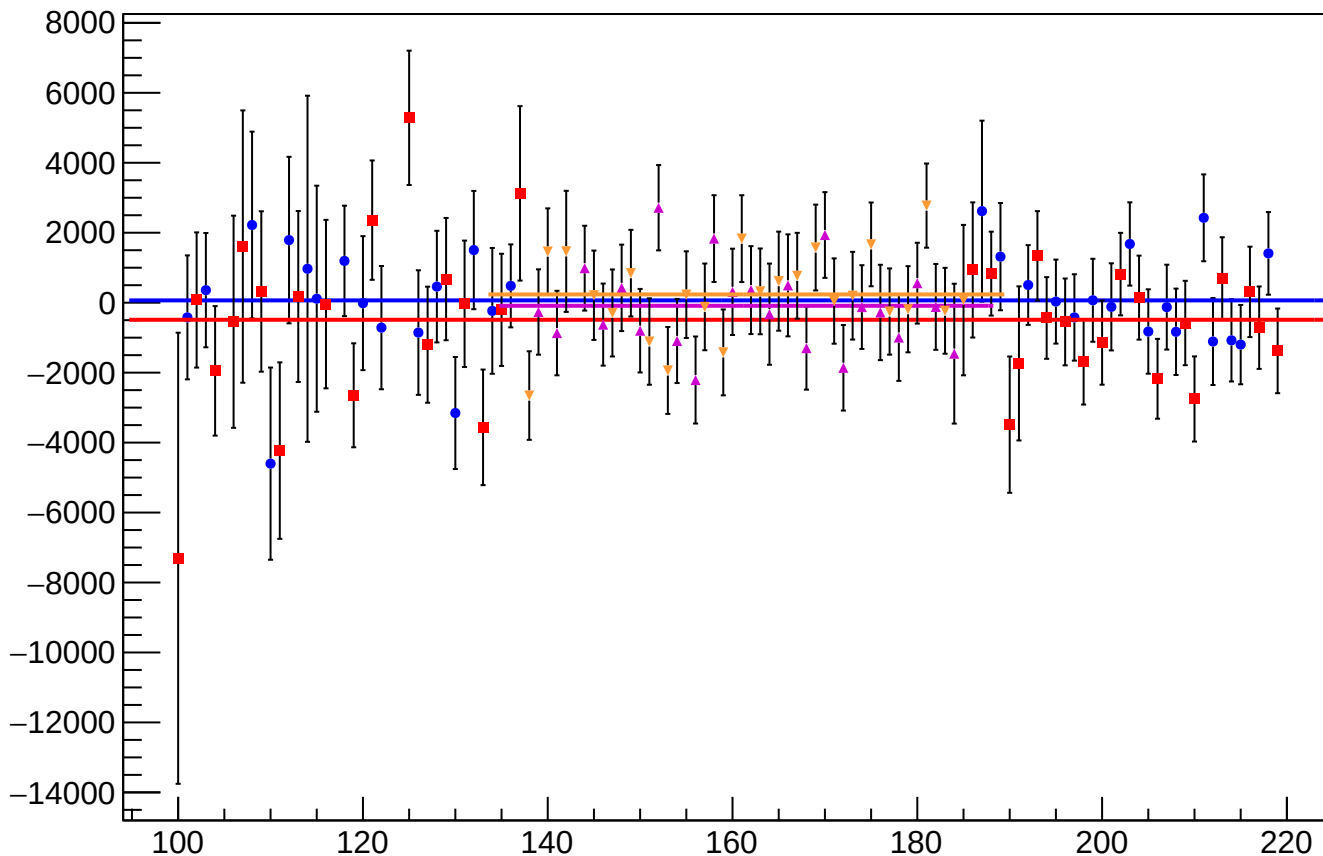
Left In: 551.335 $\pm$ 0.093 χ^2 /NDF:1061731.9/22

+ sign 551.471 $\pm$ 0.065 χ^2 /NDF: 5003913.8/55

All: 555.811 $\pm$ 0.046 χ^2 /NDF: 10844952.9/11

- sign 560.216 $\pm$ 0.066 χ^2 /NDF: 5832172.4/58

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 65.743 ± 257.893 χ^2/NDF : 23.0/31

Left Out: 236.642 ± 259.669 χ^2/NDF : 22.7/23

Right Out: -488.462 ± 254.178 χ^2/NDF : 41.6/35

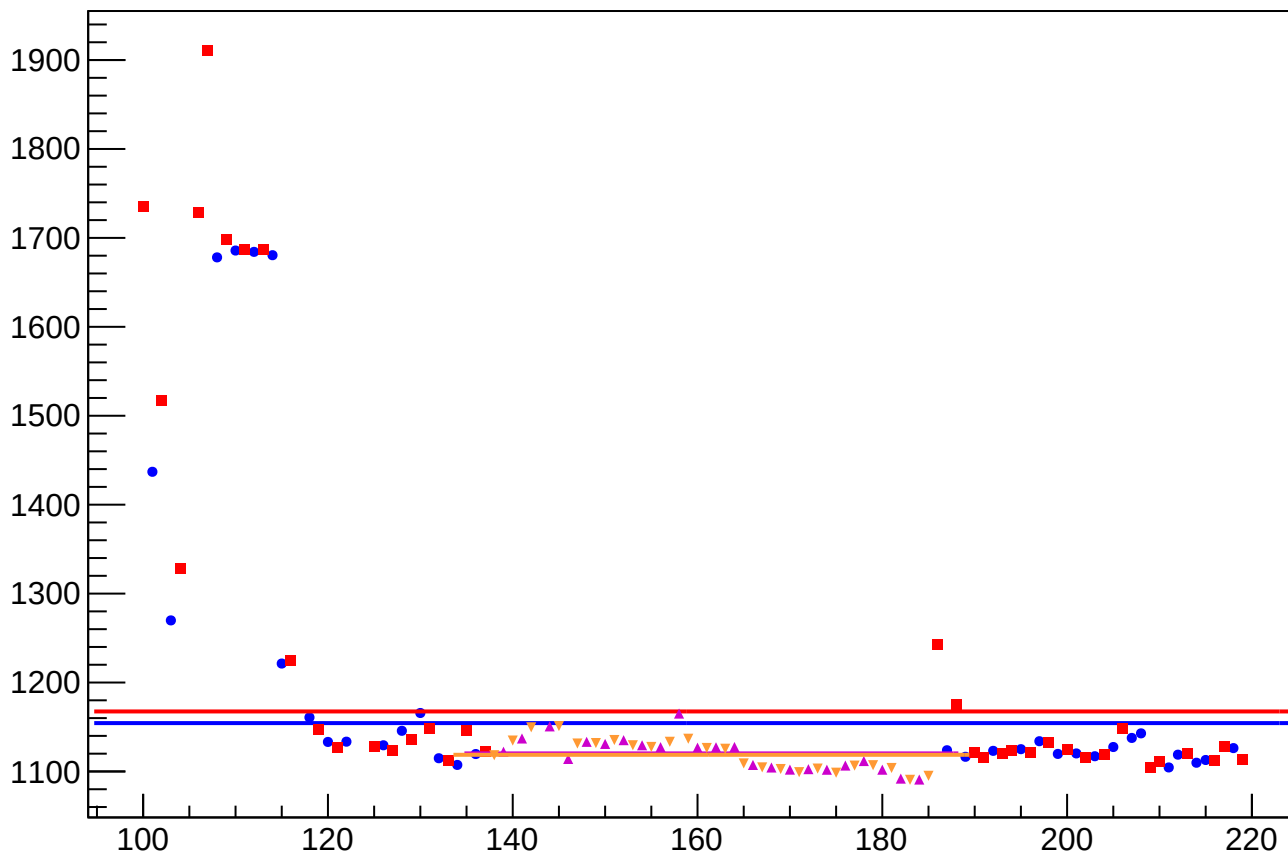
Left In: -88.370 ± 261.602 χ^2/NDF : 20.9/22

+ sign 150.606 ± 182.982 χ^2/NDF : 46.0/55

All: -72.616 ± 129.146 χ^2/NDF : 112.7/114

- sign -294.174 ± 182.299 χ^2/NDF : 63.7/58

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1154.377 $\pm$ 0.182 χ^2 /NDF: 363545.3/31

Left Out: 1118.733 $\pm$ 0.184 χ^2 /NDF: 8205.0/23

Right Out: 1167.477 $\pm$ 0.180 χ^2 /NDF: 576920.2/35

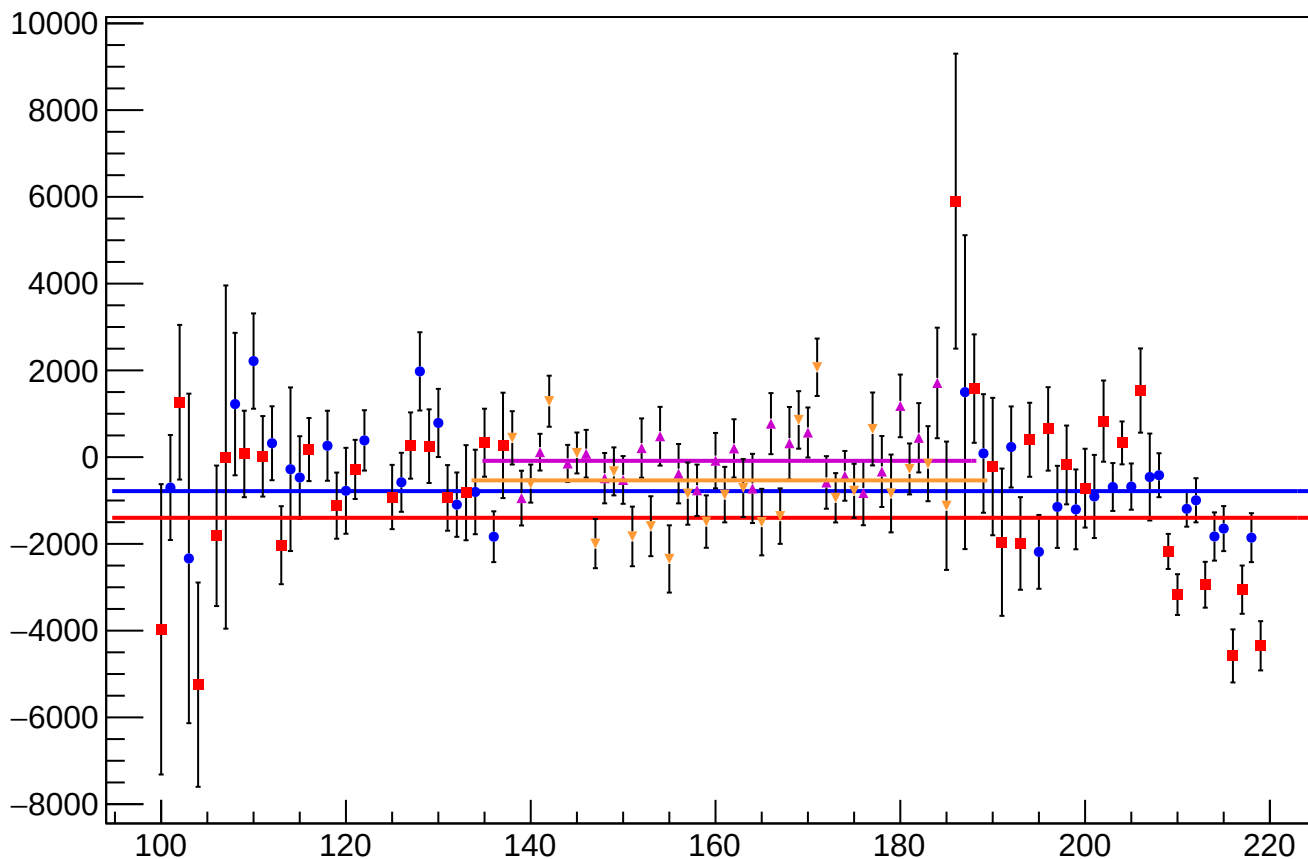
Left In: 1120.308 $\pm$ 0.185 χ^2 /NDF: 9479.7/22

+ sign 1136.678 $\pm$ 0.129 χ^2 /NDF: 390721.9/55

All: 1140.639 $\pm$ 0.091 χ^2 /NDF: 1012435.8/11

- sign 1144.571 $\pm$ 0.129 χ^2 /NDF: 619845.8/58

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug



Right In: -783.520 ± 131.058 $\chi^2/\text{NDF}: 49.2/31$

Left Out: -535.930 ± 130.646 $\chi^2/\text{NDF}: 61.6/23$

Right Out: -1398.699 ± 132.720 $\chi^2/\text{NDF}: 173.5/35$

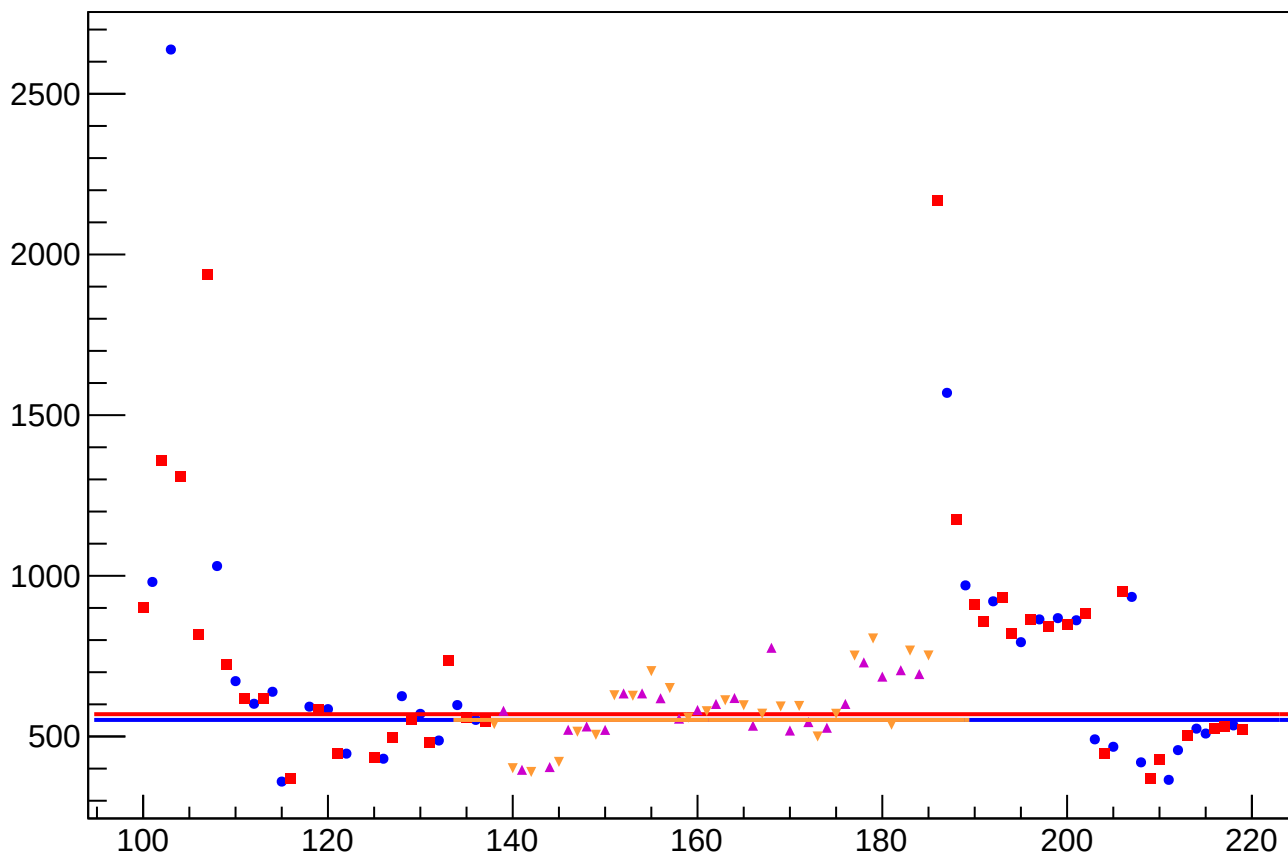
Left In: -85.243 ± 130.966 $\chi^2/\text{NDF}: 17.1/22$

+ sign -659.335 ± 92.526 $\chi^2/\text{NDF}: 112.5/55$

All: -696.008 ± 65.670 $\chi^2/\text{NDF}: 353.1/114$

- sign -733.234 ± 93.221 $\chi^2/\text{NDF}: 240.3/58$

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 551.502 $\pm$ 0.093 χ^2 /NDF: 3777281.4/31

Left Out: 551.439 $\pm$ 0.092 χ^2 /NDF:1226632.2/23

Right Out: 569.336 $\pm$ 0.094 χ^2 /NDF: 4751801.3/35

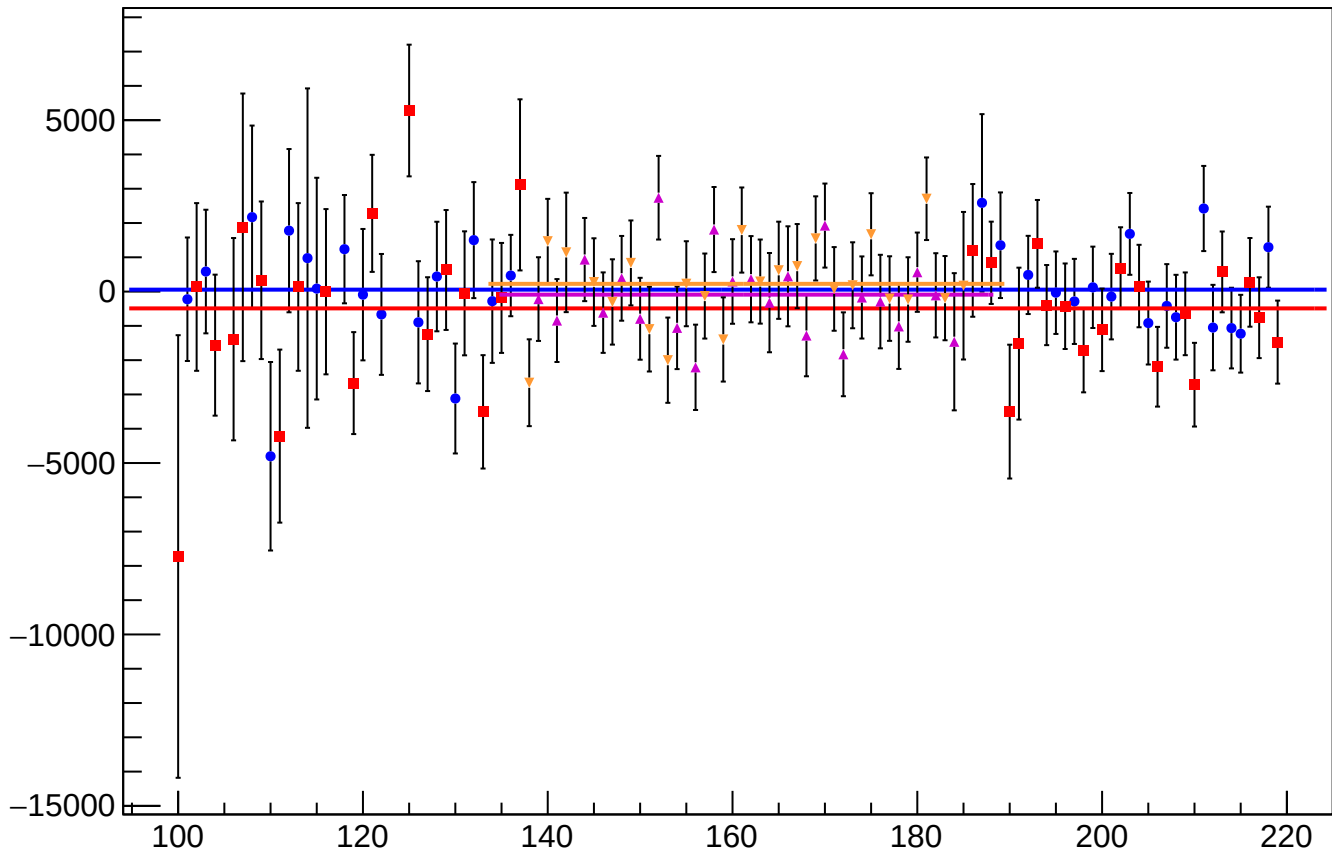
Left In: 551.335 $\pm$ 0.093 χ^2 /NDF:1061731.9/22

+ sign 551.471 $\pm$ 0.065 χ^2 /NDF: 5003913.8/55

All: 555.811 $\pm$ 0.046 χ^2 /NDF: 10844952.9/11

- sign 560.216 $\pm$ 0.066 χ^2 /NDF: 5832172.4/58

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 56.608 ± 258.945 χ^2/NDF : 23.0/31

Left Out: 225.663 ± 259.829 χ^2/NDF : 22.2/23

Right Out: -490.145 ± 256.038 χ^2/NDF : 41.1/35

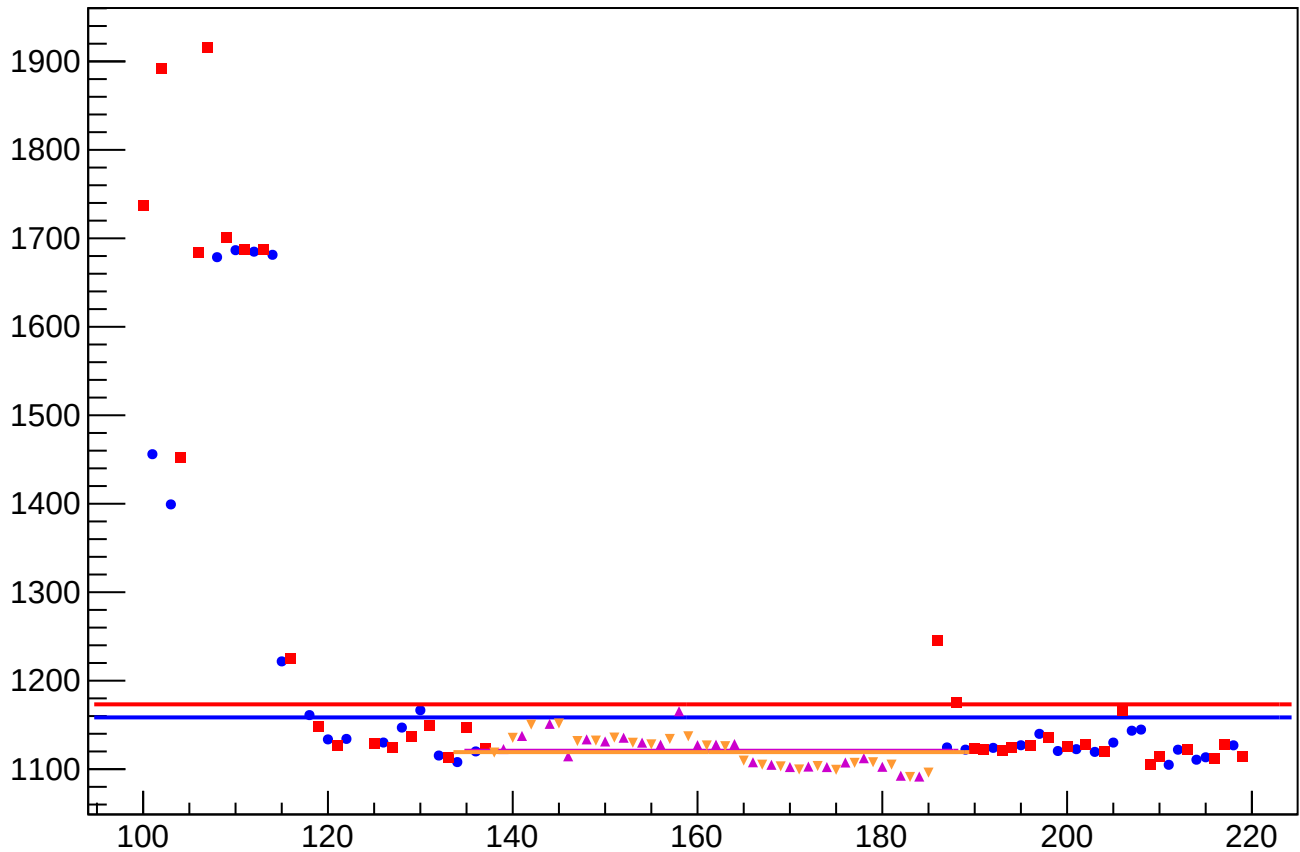
Left In: -89.078 ± 261.717 χ^2/NDF : 20.6/22

+ sign 140.847 ± 183.414 χ^2/NDF : 45.4/55

All: -77.047 ± 129.554 χ^2/NDF : 111.1/114

- sign -294.010 ± 183.021 χ^2/NDF : 62.8/58

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1158.488 $\pm$ 0.183 χ^2 /NDF: 393098.9/31

Left Out: 1119.258 $\pm$ 0.184 χ^2 /NDF: 8143.3/23

Right Out: 1173.249 $\pm$ 0.181 χ^2 /NDF: 699233.9/35

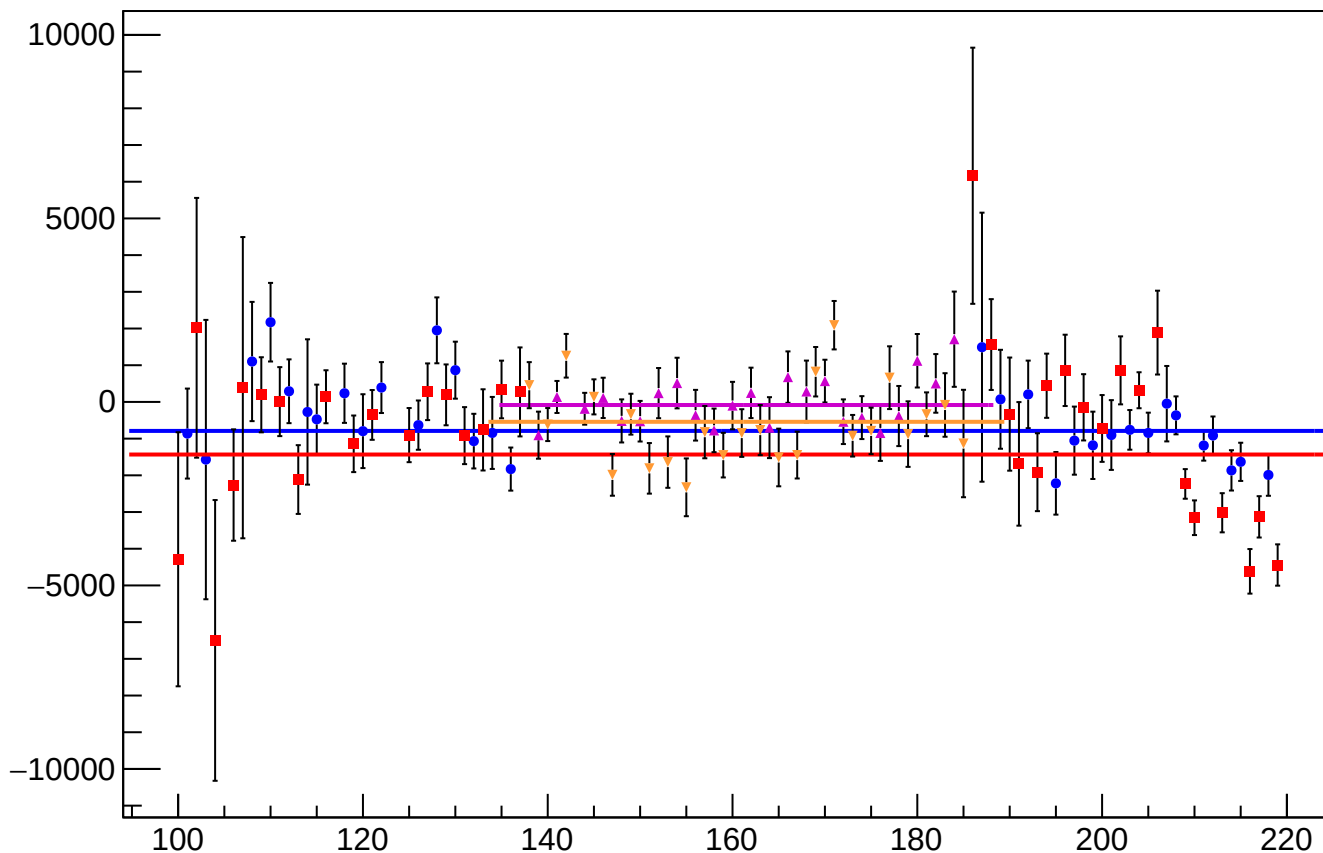
Left In: 1120.800 $\pm$ 0.185 χ^2 /NDF: 9426.5/22

+ sign 1138.940 $\pm$ 0.130 χ^2 /NDF: 424115.9/55

All: 1143.279 $\pm$ 0.092 χ^2 /NDF: 1176051.7/11

- sign 1147.600 $\pm$ 0.129 χ^2 /NDF: 749701.8/58

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -789.830 $\pm$ 131.429 χ^2 /NDF: 50.7/31

Left Out: -541.592 $\pm$ 132.012 χ^2 /NDF:60.9/23

Right Out: -1433.142 $\pm$ 133.722 χ^2 /NDF: 176.6/35

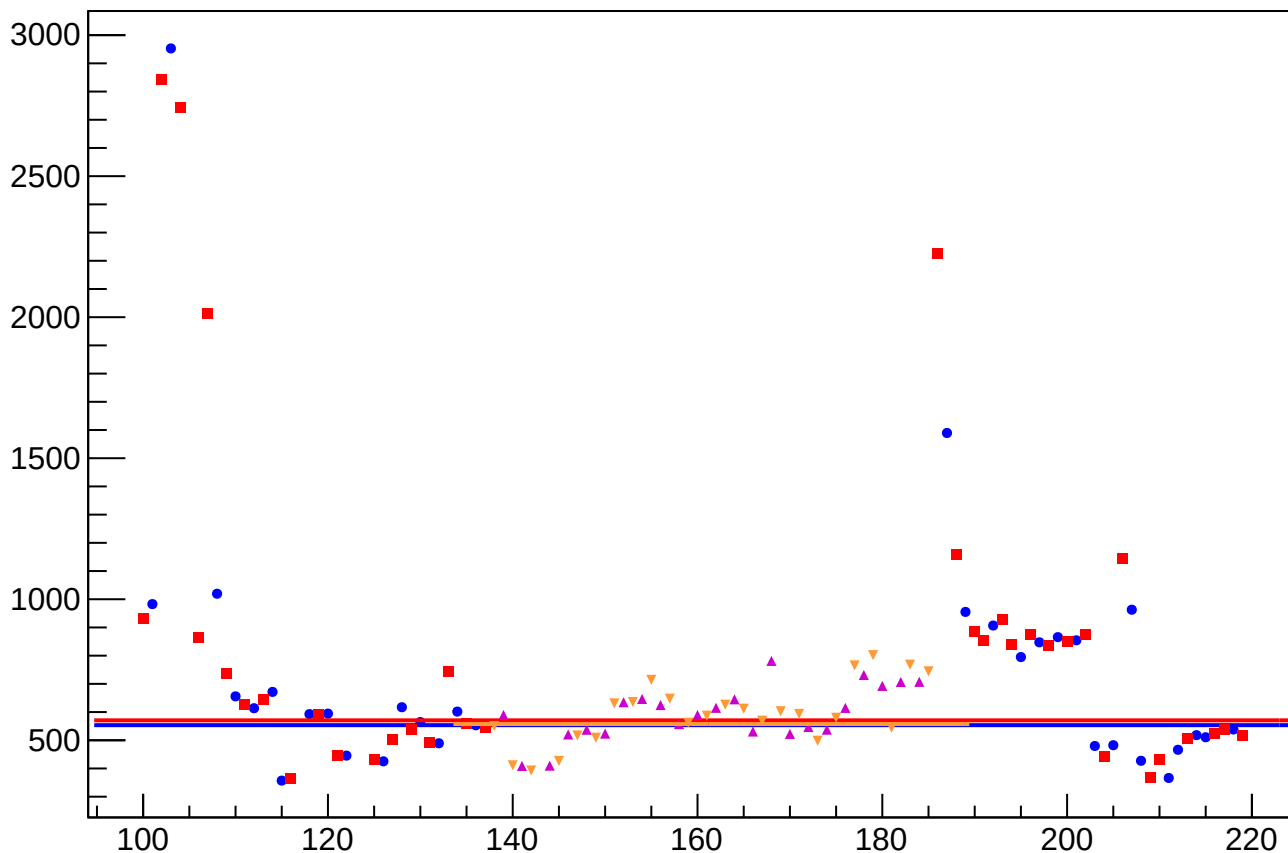
Left In: -84.122 $\pm$ 132.548 χ^2 /NDF:16.4/22

+ sign -666.260 $\pm$ 93.140 χ^2 /NDF: 113.3/55

All: -709.012 $\pm$ 66.210 χ^2 /NDF: 358.1/114

- sign -752.685 $\pm$ 94.138 χ^2 /NDF: 244.3/58

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 553.567 $\pm$ 0.093 χ^2 /NDF: 3909833.8/31

Left Out: 557.592 $\pm$ 0.093 χ^2 /NDF:1193270.2/23

Right Out: 570.668 $\pm$ 0.095 χ^2 /NDF: 5888315.2/35

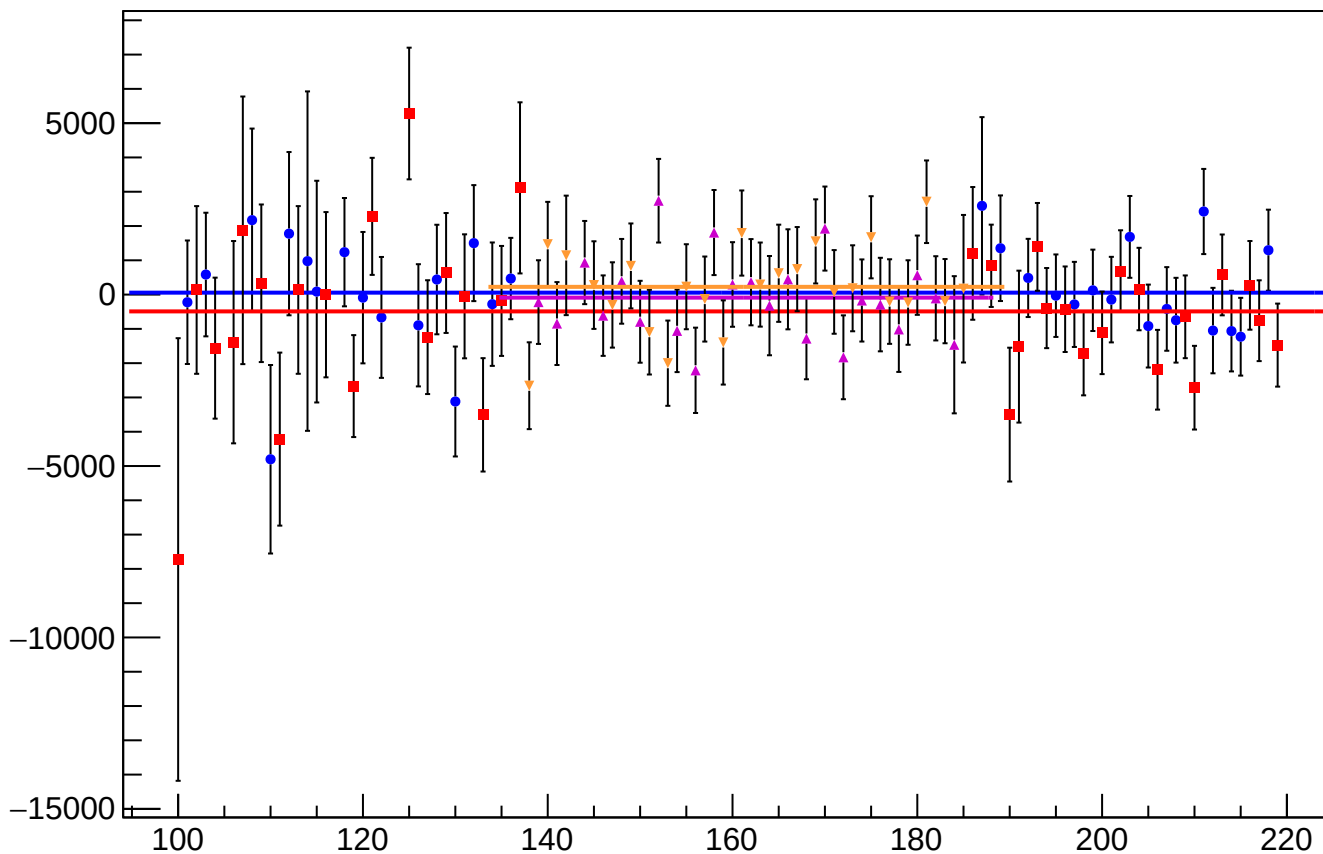
Left In: 558.393 $\pm$ 0.094 χ^2 /NDF:1027814.4/22

+ sign 555.570 $\pm$ 0.066 χ^2 /NDF: 5104037.5/55

All: 559.976 $\pm$ 0.047 χ^2 /NDF: 12037712.9/11

- sign 564.476 $\pm$ 0.067 χ^2 /NDF: 6924630.0/58

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 56.610 ± 258.945 χ^2/NDF : 23.0/31

Left Out: 225.661 ± 259.829 χ^2/NDF : 22.2/23

Right Out: -490.144 ± 256.038 χ^2/NDF : 41.1/35

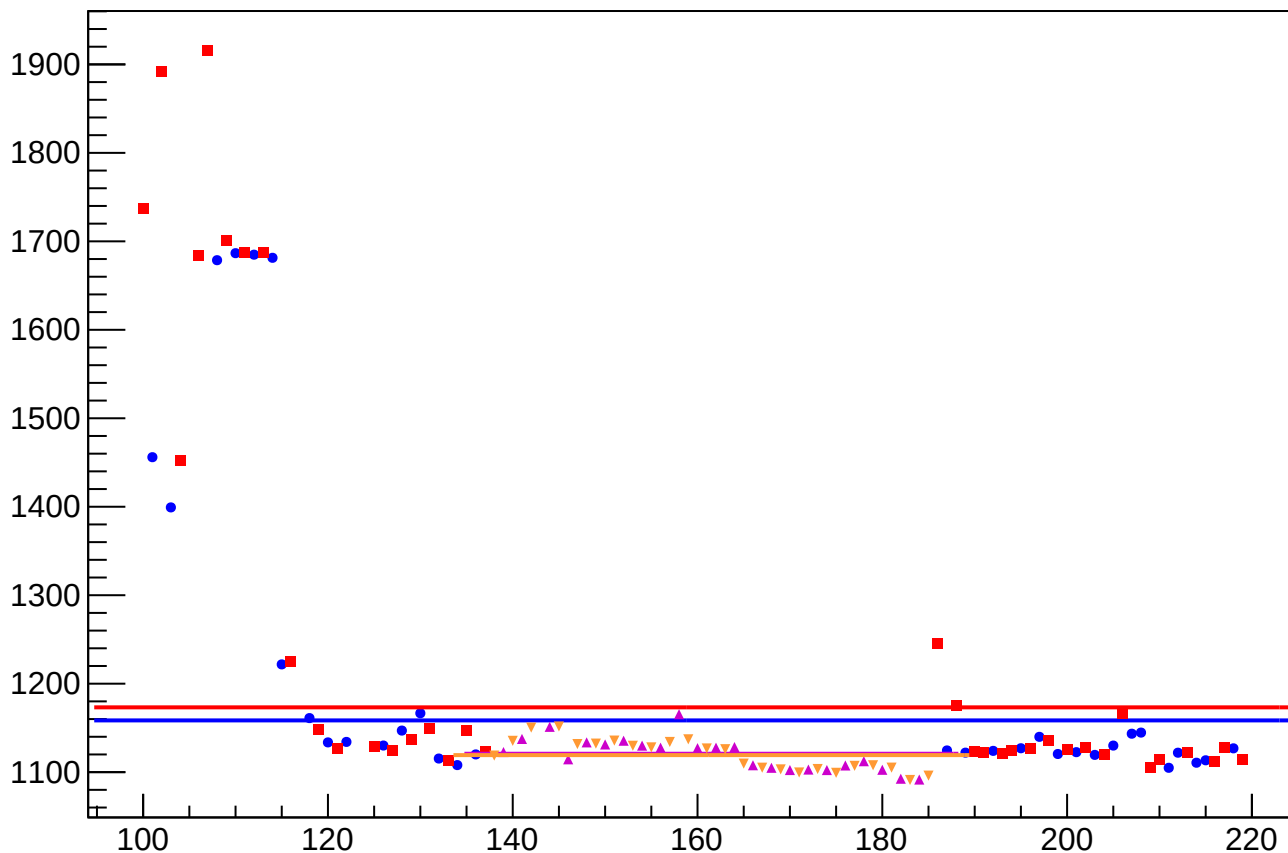
Left In: -89.079 ± 261.717 χ^2/NDF : 20.6/22

+ sign 140.847 ± 183.414 χ^2/NDF : 45.4/55

All: -77.047 ± 129.554 χ^2/NDF : 111.1/114

- sign -294.010 ± 183.021 χ^2/NDF : 62.8/58

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1158.488 $\pm$ 0.183 χ^2 /NDF: 393098.4/31

Left Out: 1119.258 $\pm$ 0.184 χ^2 /NDF: 8143.3/23

Right Out: 1173.249 $\pm$ 0.181 χ^2 /NDF: 699233.2/35

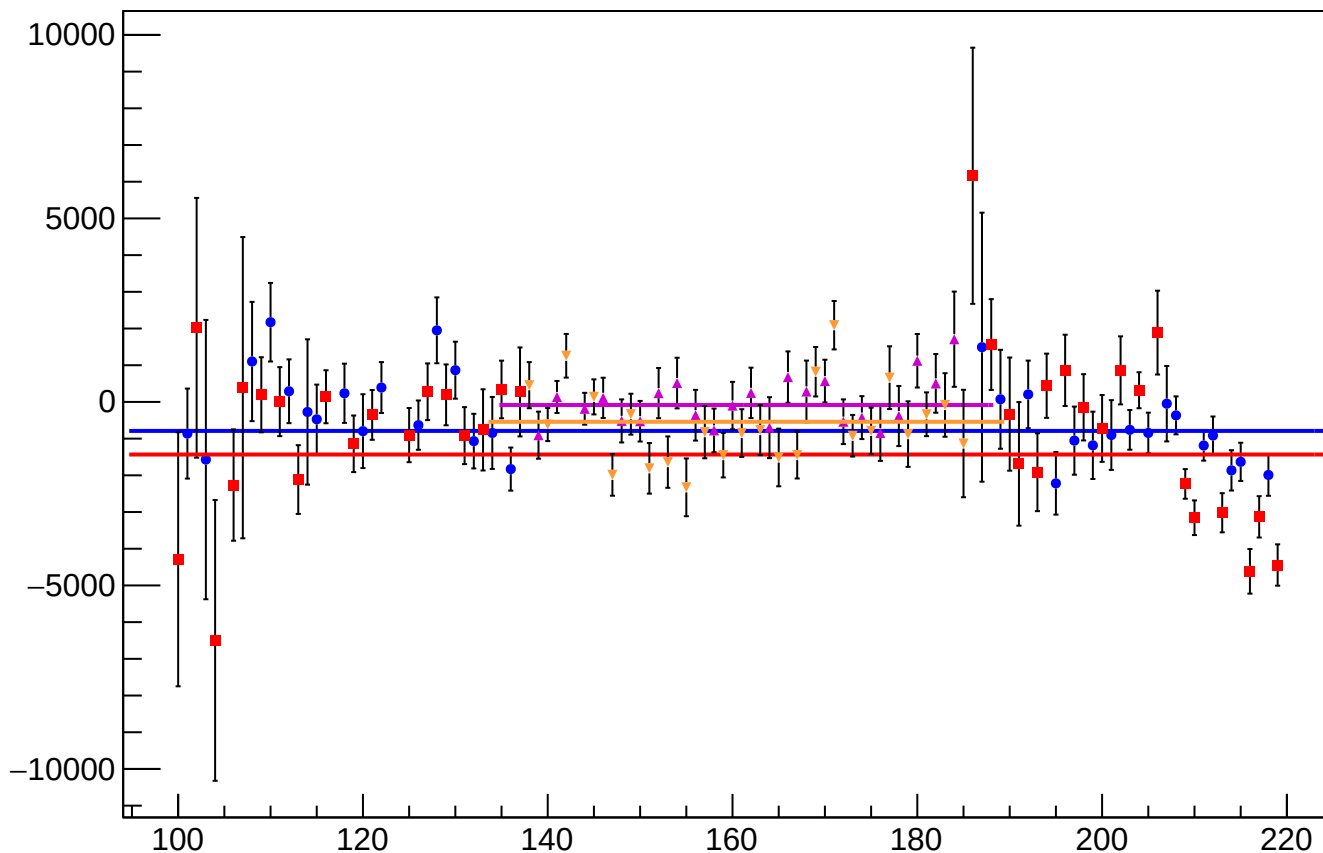
Left In: 1120.800 $\pm$ 0.185 χ^2 /NDF: 9426.5/22

+ sign 1138.940 $\pm$ 0.130 χ^2 /NDF: 424115.3/55

All: 1143.279 $\pm$ 0.092 χ^2 /NDF: 1176050.4/11

- sign 1147.600 $\pm$ 0.129 χ^2 /NDF: 749701.1/58

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -789.829 ± 131.429 χ^2/NDF : 50.7/31

Left Out: -541.591 ± 132.012 χ^2/NDF : 60.9/23

Right Out: -1433.143 ± 133.722 χ^2/NDF : 176.6/35

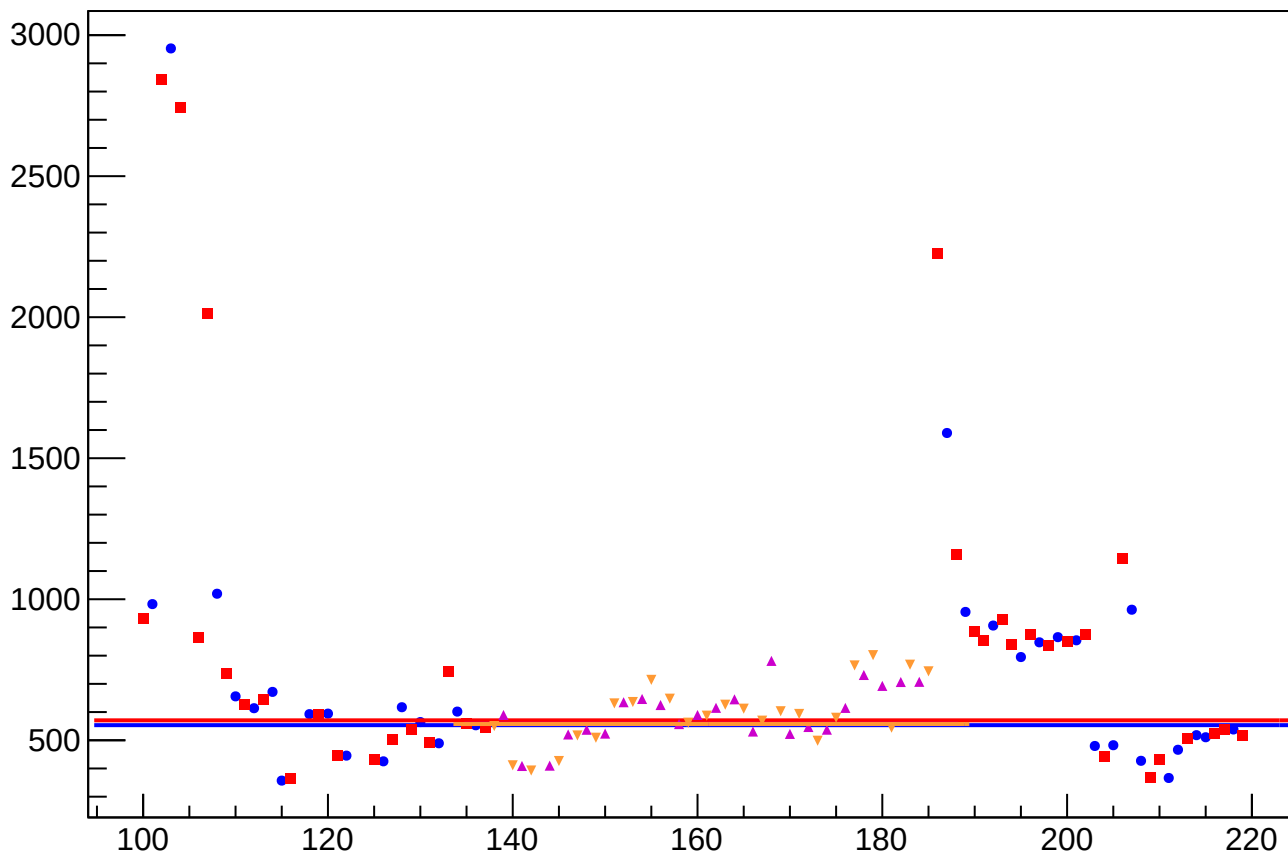
Left In: -84.122 ± 132.548 χ^2/NDF : 16.4/22

+ sign -666.259 ± 93.140 χ^2/NDF : 113.3/55

All: -709.011 ± 66.210 χ^2/NDF : 358.1/114

- sign -752.685 ± 94.138 χ^2/NDF : 244.3/58

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 553.567 $\pm$ 0.093 χ^2 /NDF: 3909836.6/31

Left Out: 557.591 $\pm$ 0.093 χ^2 /NDF: 1193291.2/23

Right Out: 570.667 $\pm$ 0.095 χ^2 /NDF: 5888323.7/35

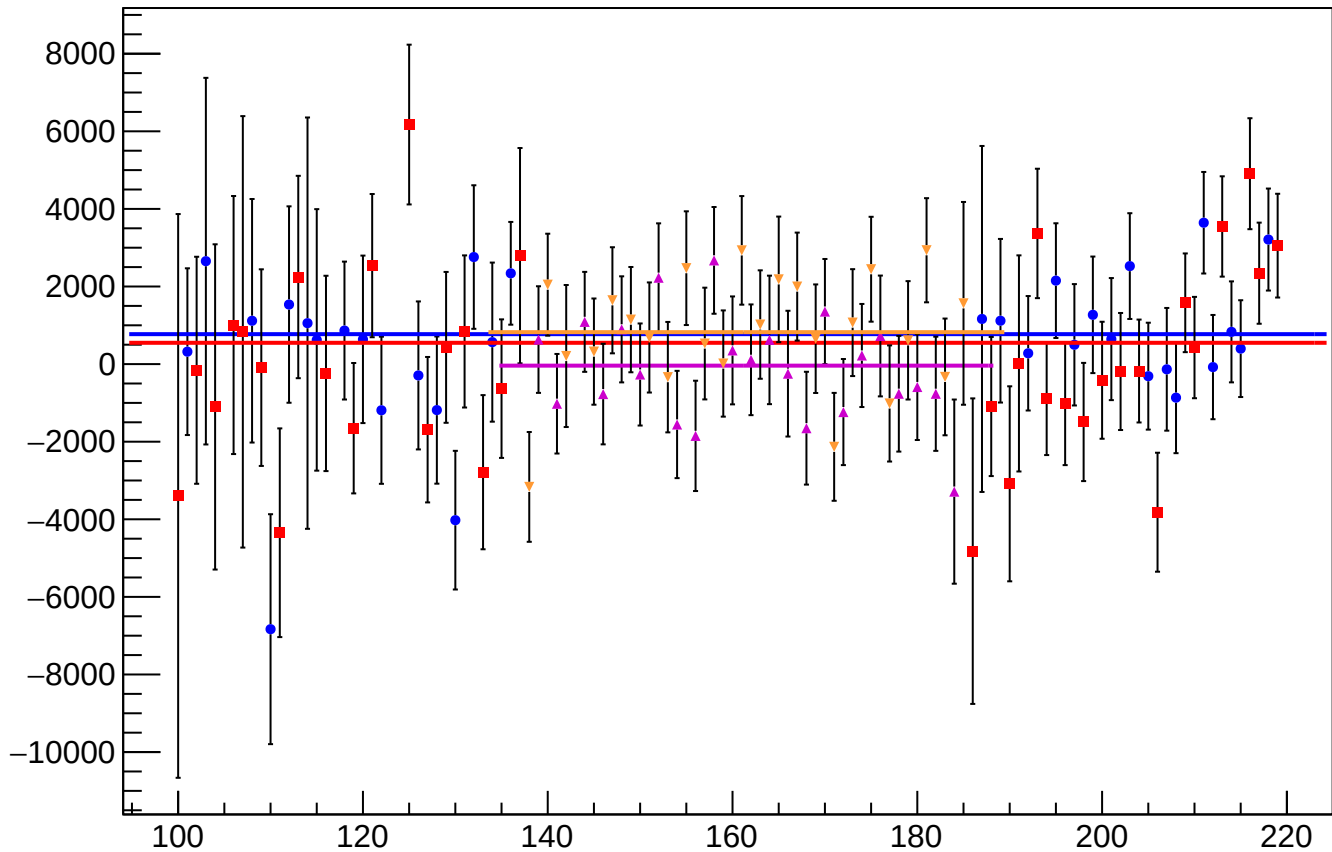
Left In: 558.392 $\pm$ 0.094 χ^2 /NDF: 1027828.9/22

+ sign 555.570 $\pm$ 0.066 χ^2 /NDF: 5104061.3/55

All: 559.975 $\pm$ 0.047 χ^2 /NDF: 12037760.1/11

- sign 564.476 $\pm$ 0.067 χ^2 /NDF: 6924653.3/58

asym_usl_atl1_dd_mean vs Slug



Right In: 771.848 $\pm$ 303.125 χ^2 /NDF: 32.9/31

Left Out: 823.319 $\pm$ 294.835 χ^2 /NDF: 26.2/23

Right Out: 549.039 $\pm$ 302.228 χ^2 /NDF: 61.4/35

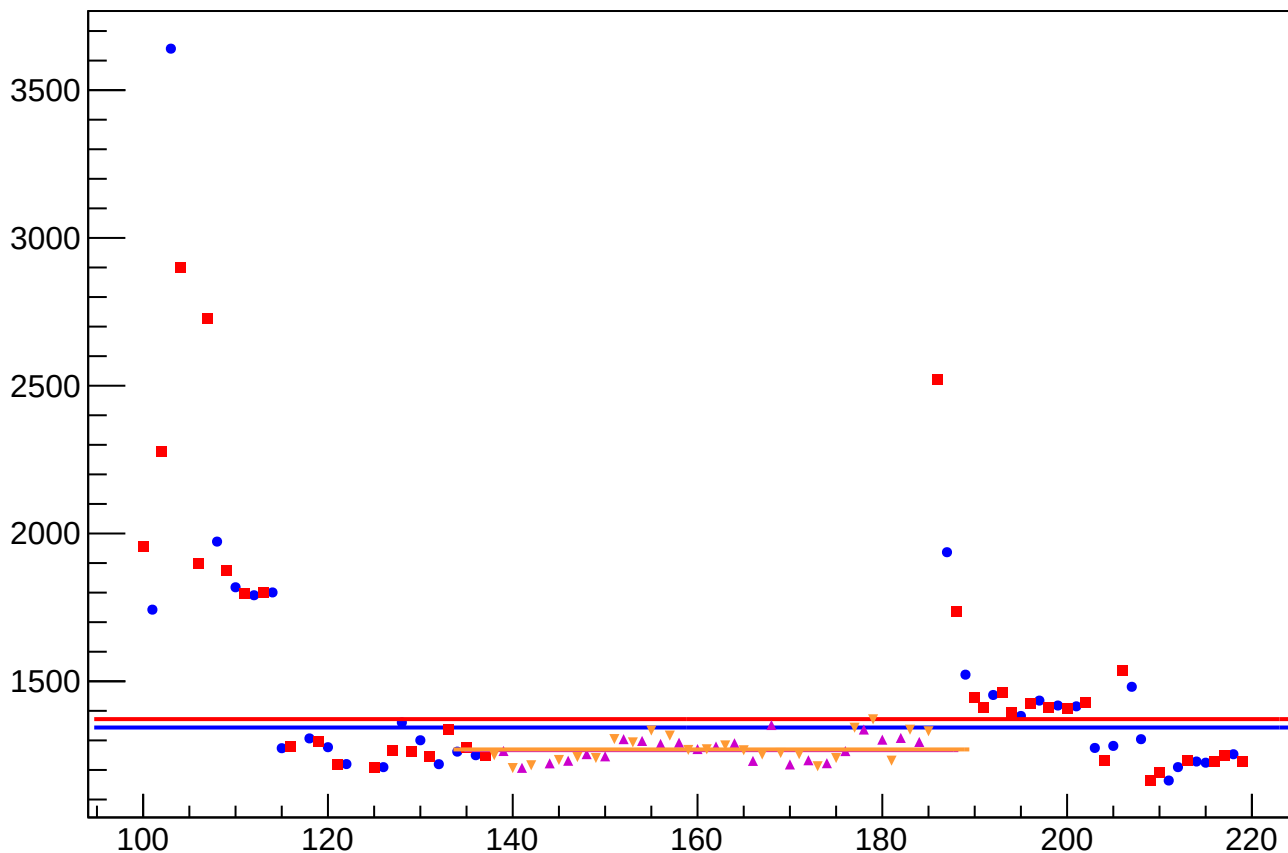
Left In: -39.696 $\pm$ 296.006 χ^2 /NDF: 17.9/22

+ sign 798.297 $\pm$ 211.350 χ^2 /NDF: 59.1/55

All: 523.583 $\pm$ 149.491 χ^2 /NDF: 143.7/114

- sign 248.548 $\pm$ 211.473 χ^2 /NDF: 81.2/58

asym_usl_atl1_dd_rms vs Slug



Right In: 1343.590+/-0.214 χ^2/NDF : 1000781.0/31

Left Out: 1269.441+/-0.208 χ^2/NDF : 43040.3/23

Right Out: 1372.022+/-0.214 χ^2/NDF : 1374547.8/35

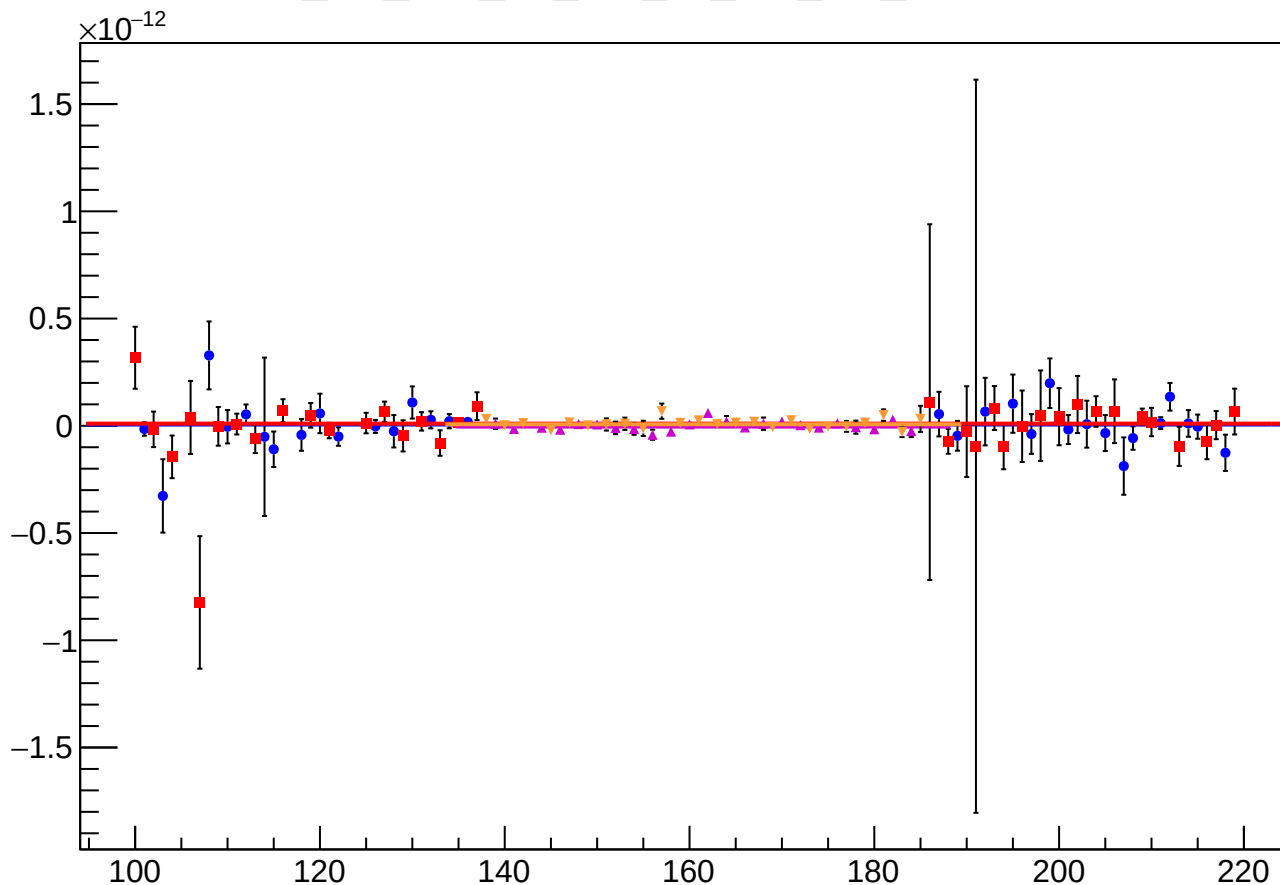
Left In: 1267.066+/-0.209 χ^2/NDF : 34547.0/22

+ sign 1305.487+/-0.149 χ^2/NDF : 1105317.4/55

All: 1311.966+/-0.106 χ^2/NDF : 2641280.0/11

- sign 1318.452+/-0.150 χ^2/NDF : 1532201.9/58

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.7/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.4/35

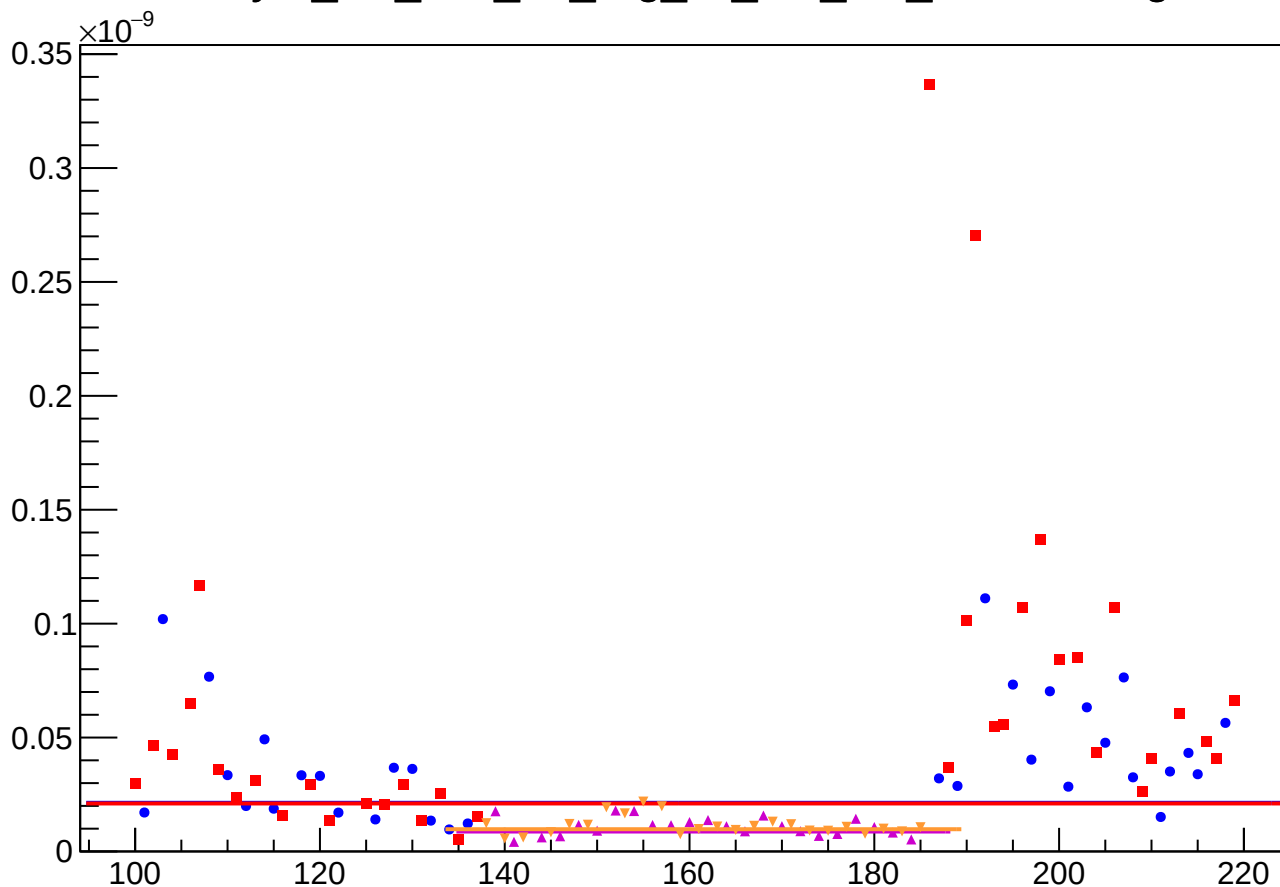
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 51.4/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 111.5/114

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 57.2/58

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5200154.8/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8531492.5/35

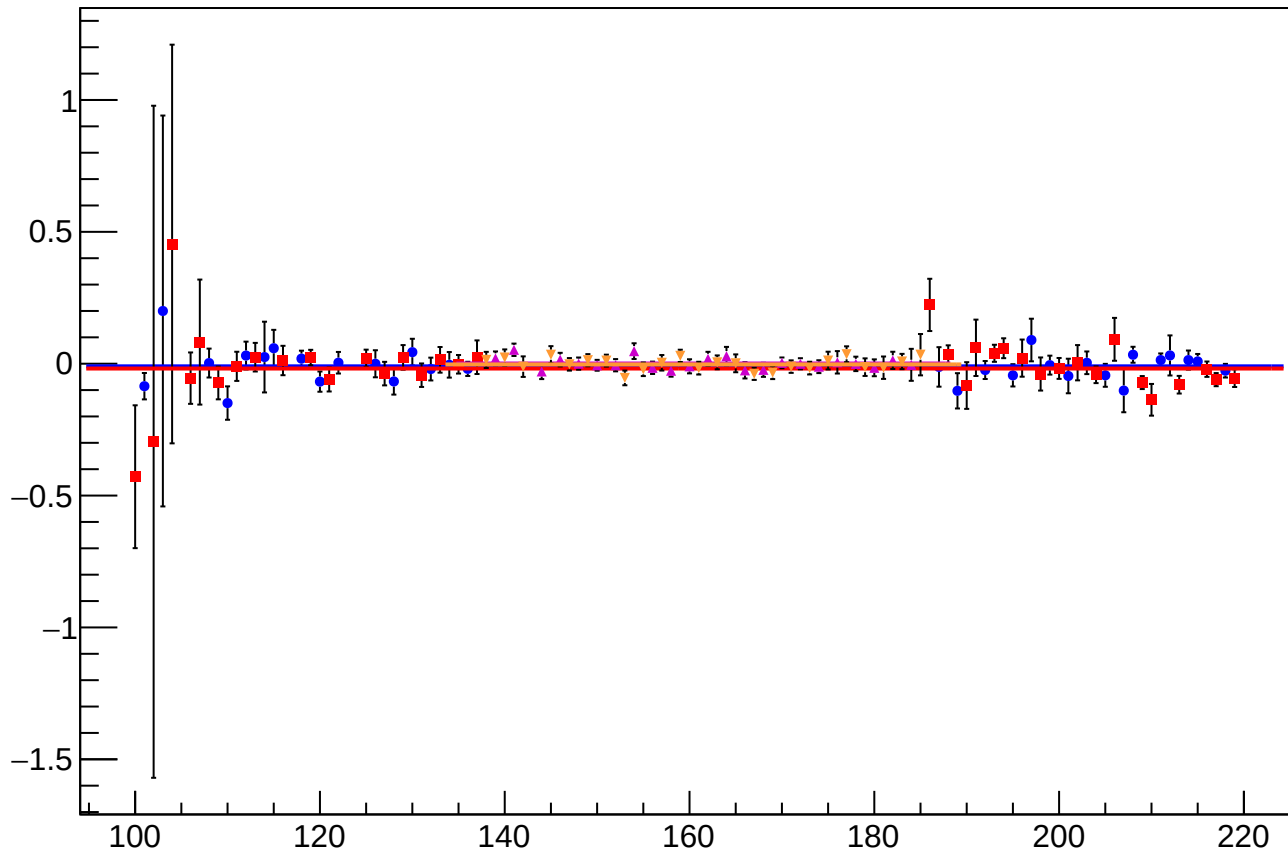
Left In: 0.000+/-0.000 χ^2/NDF : 1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 9318272.0/55

All: 0.000+/-0.000 χ^2/NDF : 22862586.3/114

- sign 0.000+/-0.000 χ^2/NDF : 13427468.3/58

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010 ± 0.007 χ^2/NDF : 26.0/31

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: -0.018 ± 0.007 χ^2/NDF : 46.8/35

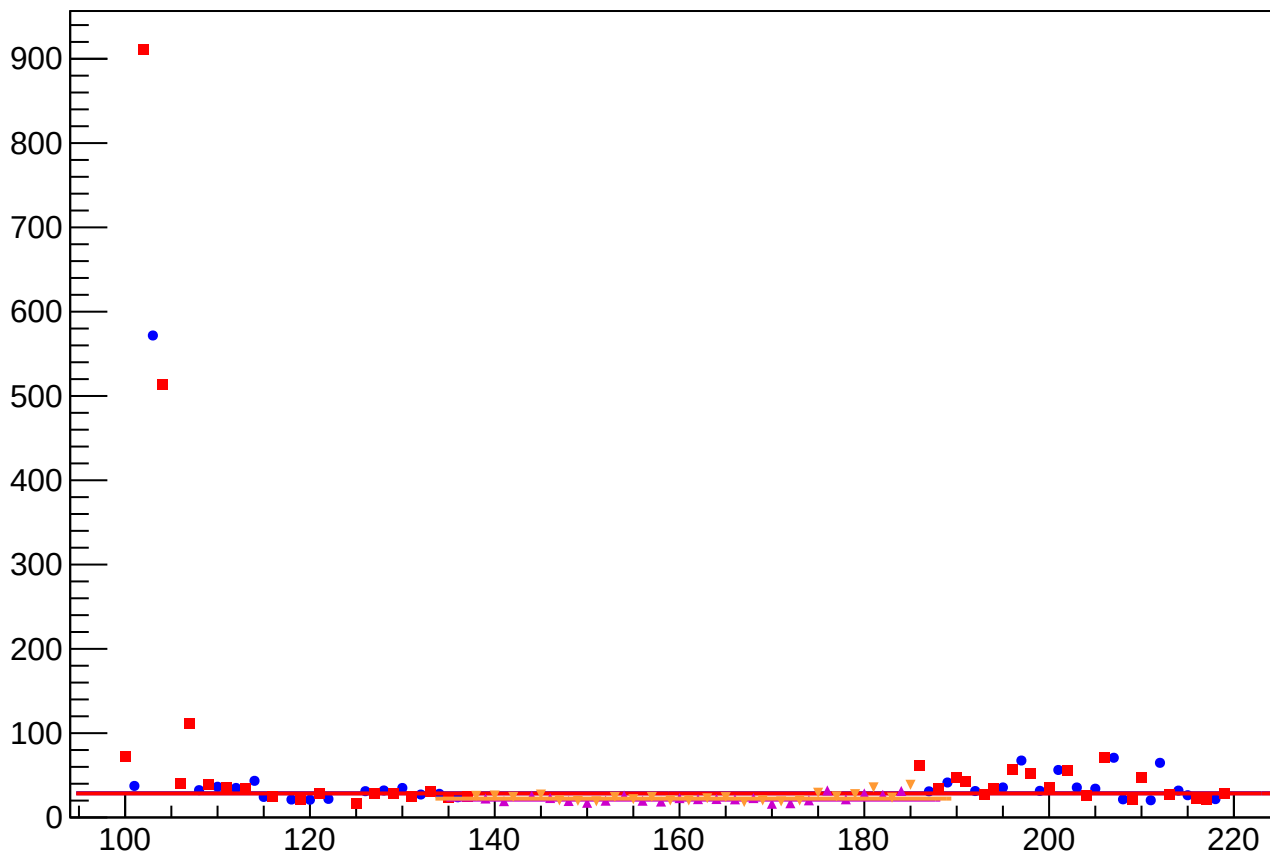
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.005 ± 0.005 χ^2/NDF : 43.0/55

All: -0.006 ± 0.003 χ^2/NDF : 109.0/114

- sign -0.006 ± 0.004 χ^2/NDF : 66.0/58

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.737+/-0.005 χ^2/NDF : 4133353.6/31

Left Out: 22.355+/-0.004 χ^2/NDF : 816073.4/23

Right Out: 28.489+/-0.005 χ^2/NDF : 5334040.4/35

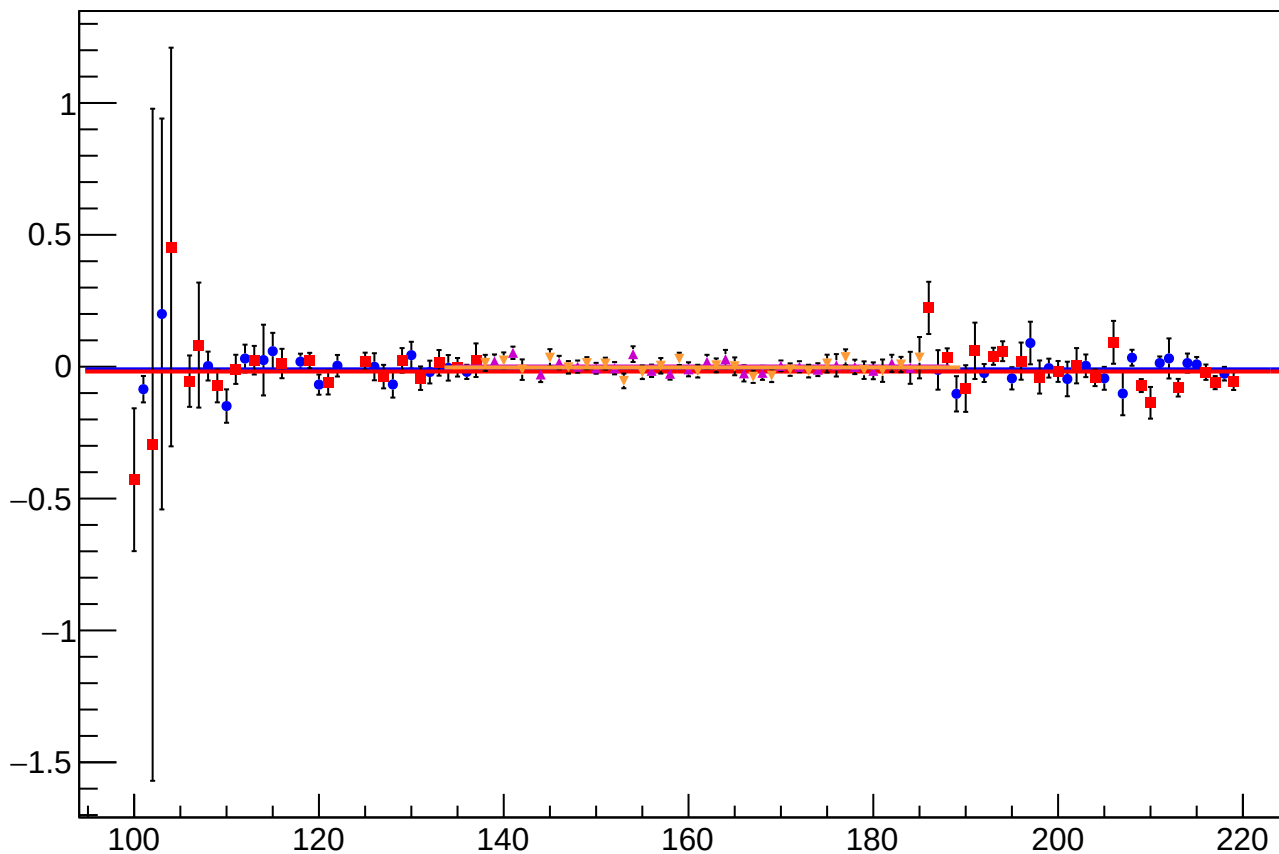
Left In: 21.099+/-0.004 χ^2/NDF : 819255.8/22

+ sign 24.706+/-0.003 χ^2/NDF : 5878023.9/55

All: 24.208+/-0.002 χ^2/NDF : 13384601.7/114

- sign 23.739+/-0.003 χ^2/NDF : 7459430.8/58

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010 ± 0.007 χ^2/NDF : 26.0/31

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: -0.018 ± 0.007 χ^2/NDF : 46.8/35

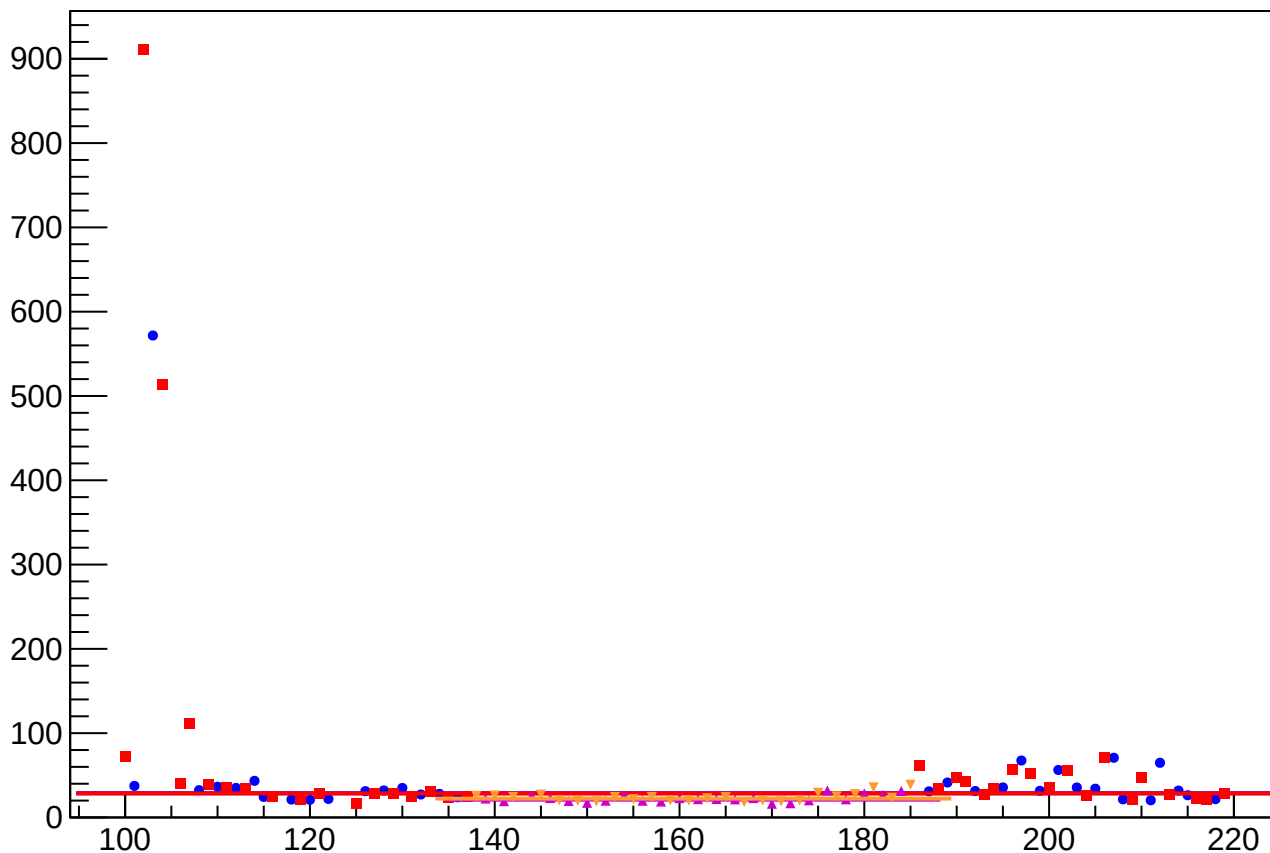
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.005 ± 0.005 χ^2/NDF : 43.0/55

All: -0.006 ± 0.003 χ^2/NDF : 109.0/114

- sign -0.006 ± 0.004 χ^2/NDF : 66.0/58

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.737 $\pm$ 0.005 χ^2 /NDF: 4133353.6/31

Left Out: 22.355 $\pm$ 0.004 χ^2 /NDF: 816073.4/23

Right Out: 28.489 $\pm$ 0.005 χ^2 /NDF: 5334040.4/35

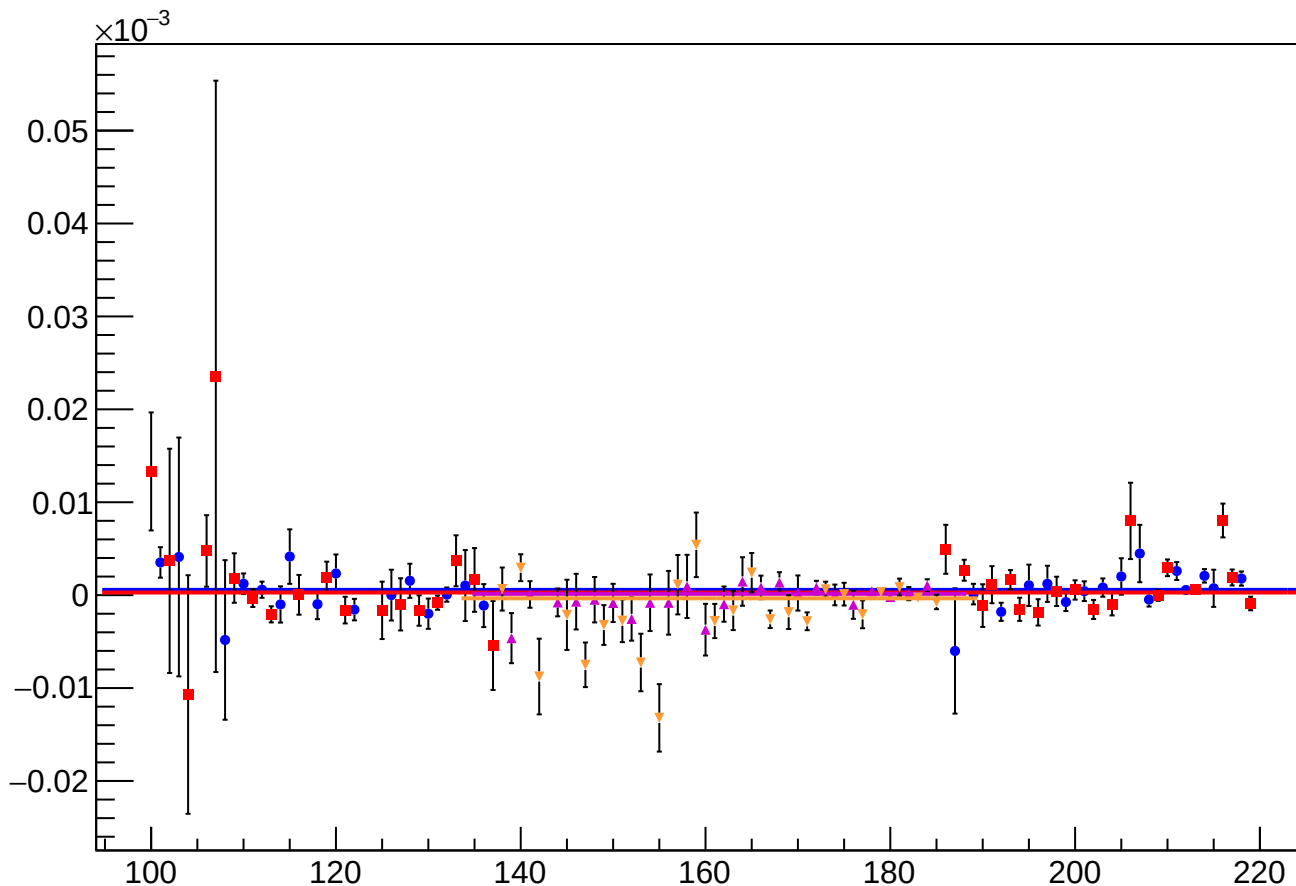
Left In: 21.099 $\pm$ 0.004 χ^2 /NDF: 819255.8/22

+ sign 24.706 $\pm$ 0.003 χ^2 /NDF: 5878023.9/55

All: 24.208 $\pm$ 0.002 χ^2 /NDF: 13384601.7/114

- sign 23.739 $\pm$ 0.003 χ^2 /NDF: 7459430.8/58

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.5/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:68.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 81.1/35

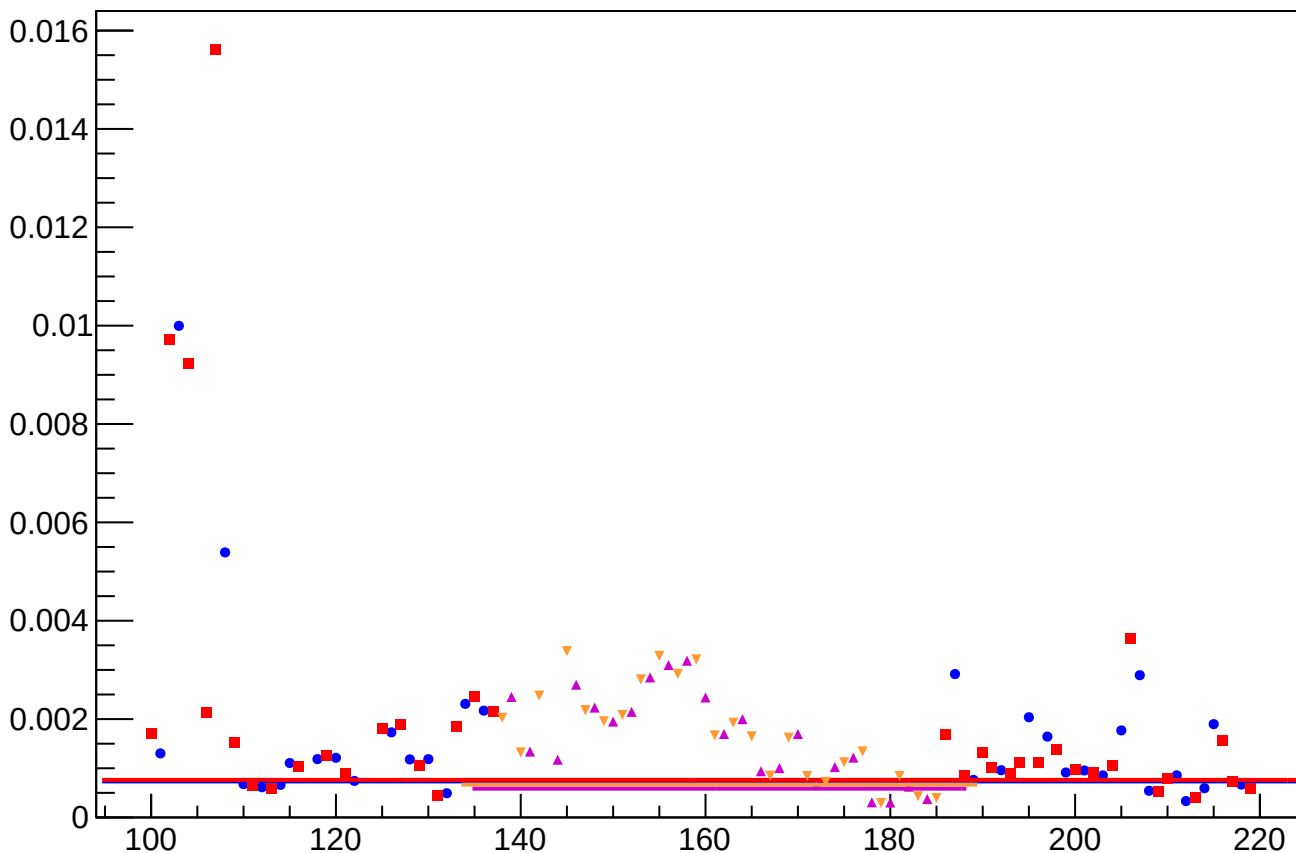
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 117.7/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 213.4/114

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 95.6/58

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 10075095.6/31

Left Out: 0.001+/-0.000 χ^2/NDF :15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF : 9317006.0/35

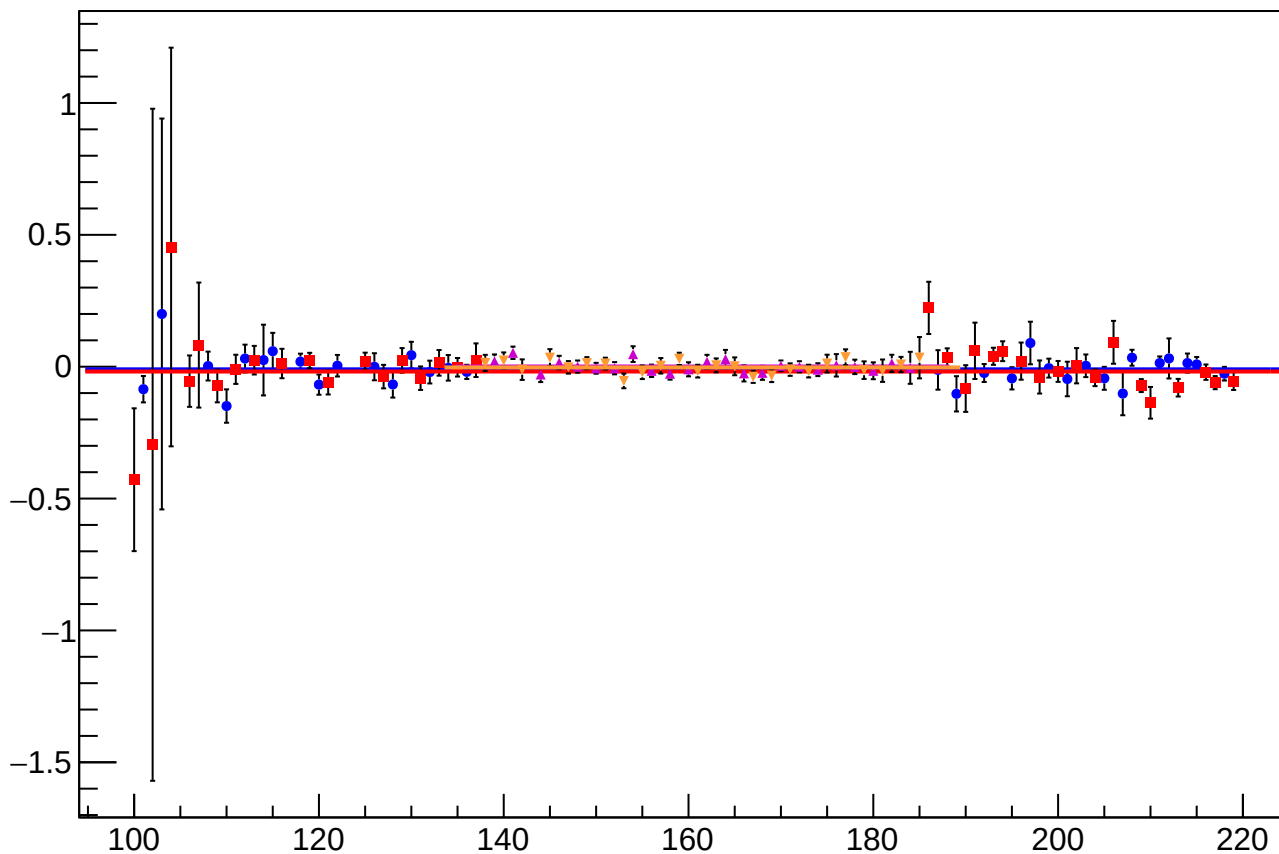
Left In: 0.001+/-0.000 χ^2/NDF :15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF : 25554383.1/55

All: 0.001+/-0.000 χ^2/NDF : 51428456.1/114

- sign 0.001+/-0.000 χ^2/NDF : 25817891.5/58

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.010 ± 0.007 χ^2/NDF : 26.0/31

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: -0.018 ± 0.007 χ^2/NDF : 46.8/35

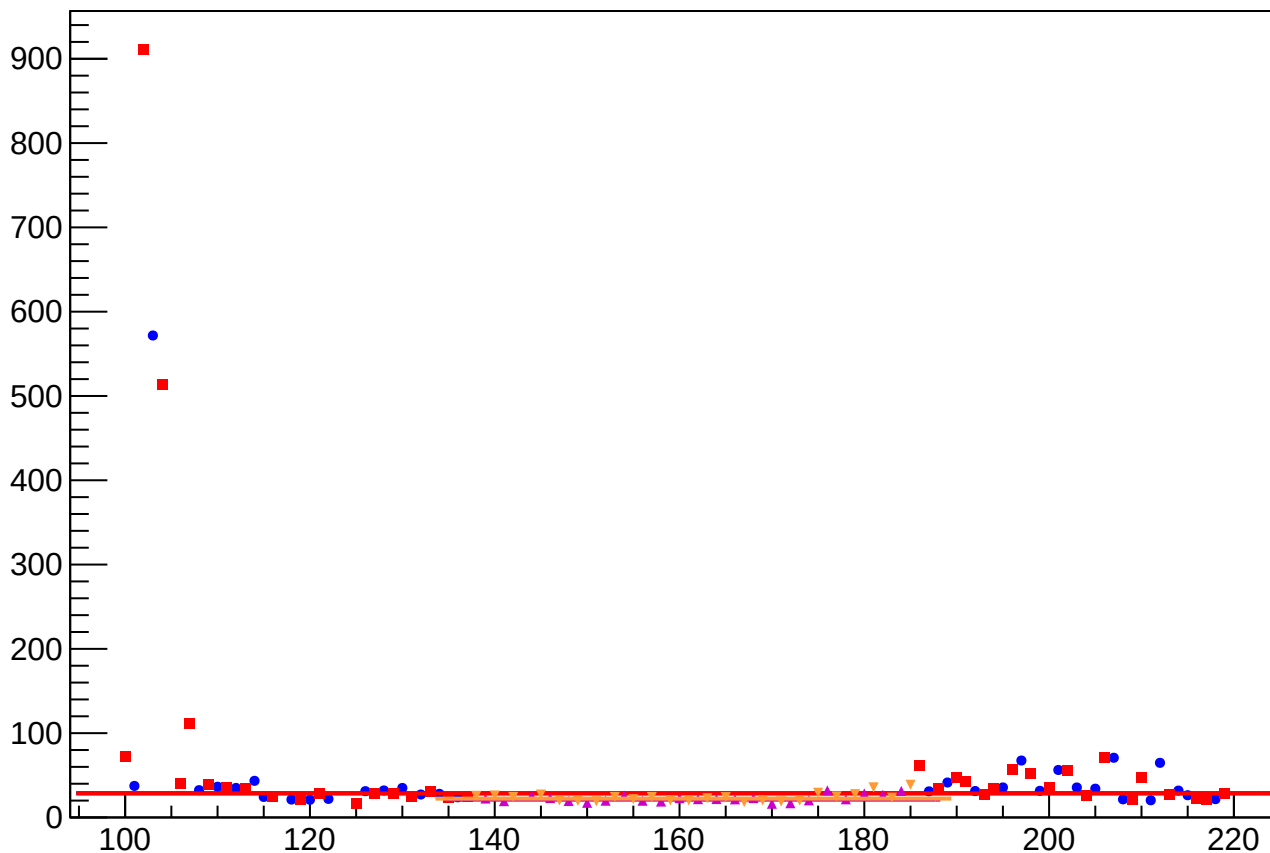
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.005 ± 0.005 χ^2/NDF : 43.0/55

All: -0.006 ± 0.003 χ^2/NDF : 109.0/114

- sign -0.006 ± 0.004 χ^2/NDF : 66.0/58

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.737 $\pm$ 0.005 χ^2 /NDF: 4133395.4/31

Left Out: 22.355 $\pm$ 0.004 χ^2 /NDF: 816044.6/23

Right Out: 28.489 $\pm$ 0.005 χ^2 /NDF: 5334130.8/35

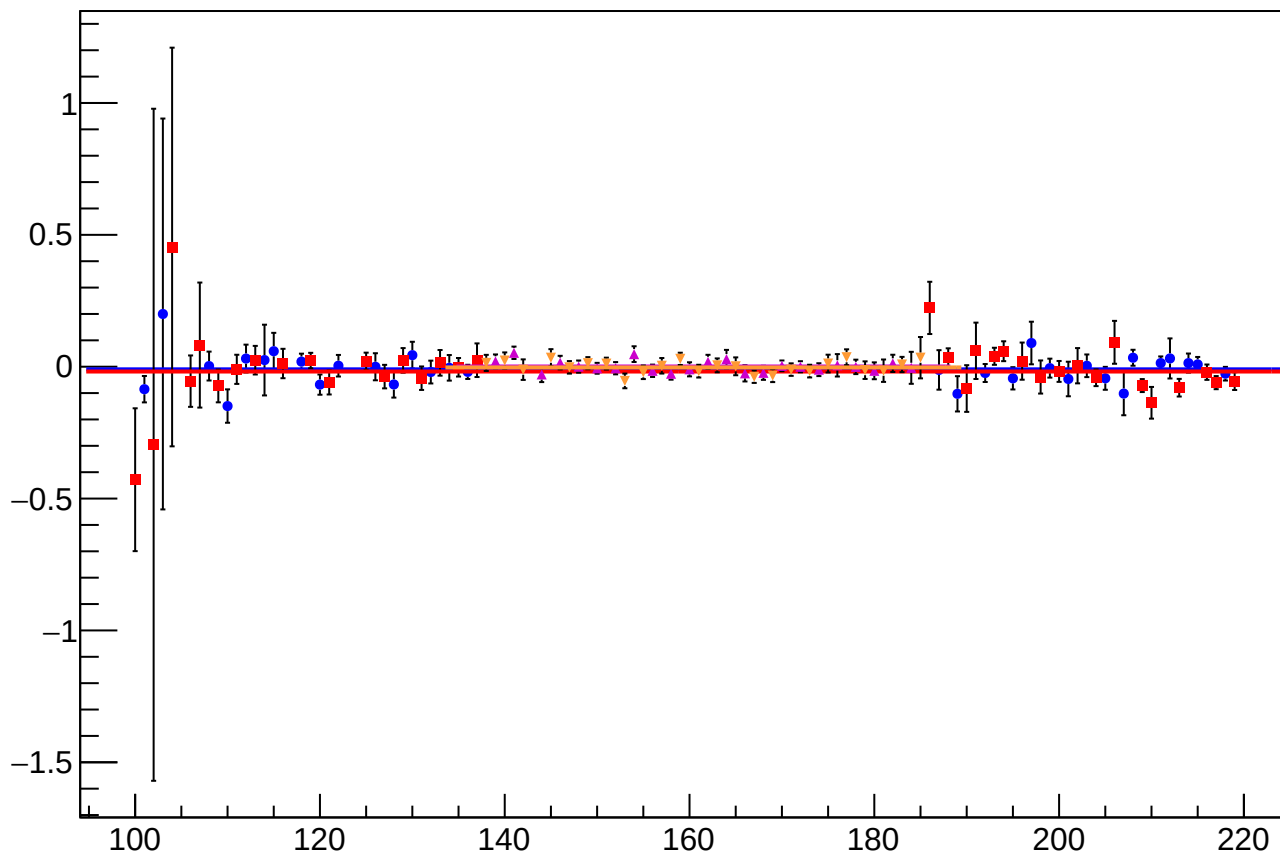
Left In: 21.099 $\pm$ 0.004 χ^2 /NDF: 819268.9/22

+ sign 24.706 $\pm$ 0.003 χ^2 /NDF: 5878069.7/55

All: 24.208 $\pm$ 0.002 χ^2 /NDF: 13384751.7/114

- sign 23.739 $\pm$ 0.003 χ^2 /NDF: 7459533.8/58

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010 ± 0.007 χ^2/NDF : 26.0/31

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: -0.018 ± 0.007 χ^2/NDF : 46.8/35

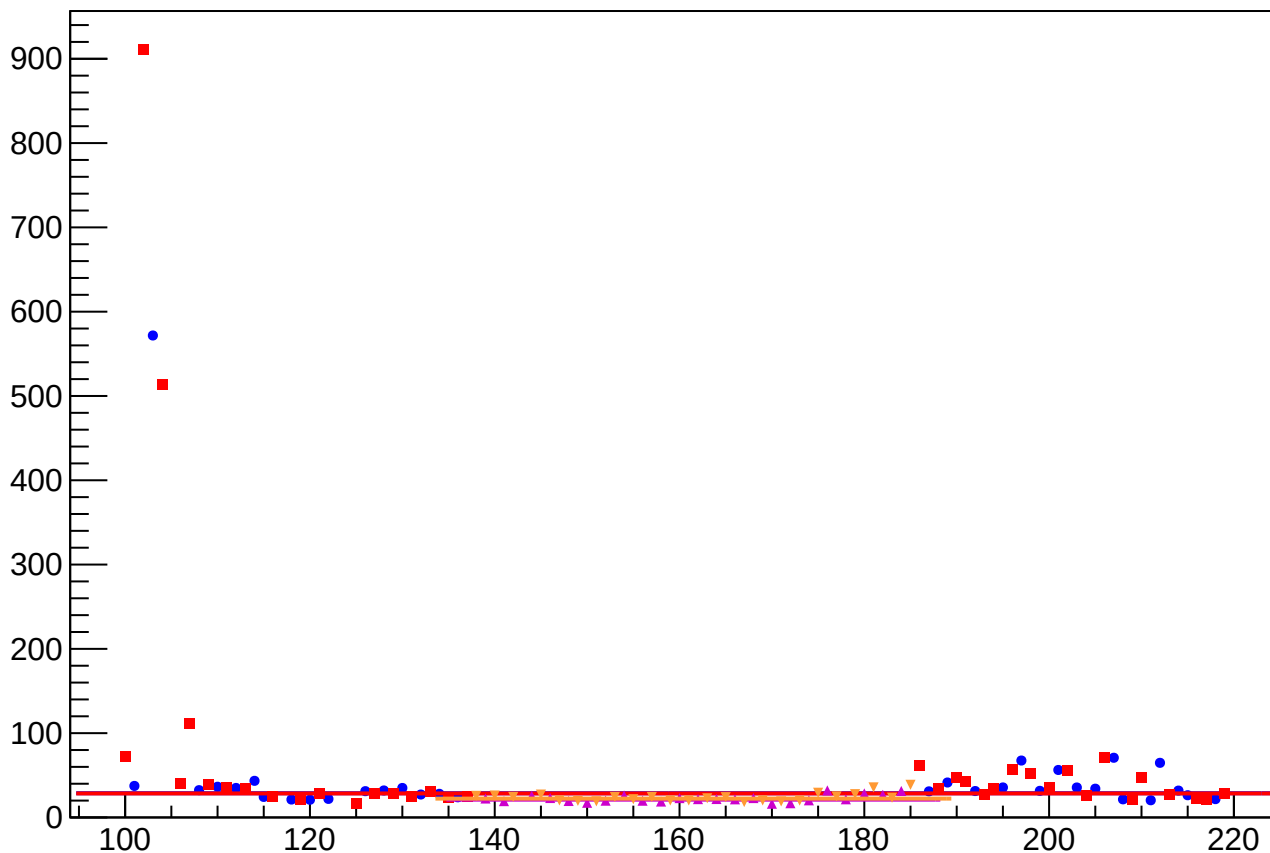
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.005 ± 0.005 χ^2/NDF : 43.0/55

All: -0.006 ± 0.003 χ^2/NDF : 109.0/114

- sign -0.006 ± 0.004 χ^2/NDF : 66.0/58

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.737 $\pm$ 0.005 χ^2 /NDF: 4133395.4/31

Left Out: 22.355 $\pm$ 0.004 χ^2 /NDF: 816044.6/23

Right Out: 28.489 $\pm$ 0.005 χ^2 /NDF: 5334130.8/35

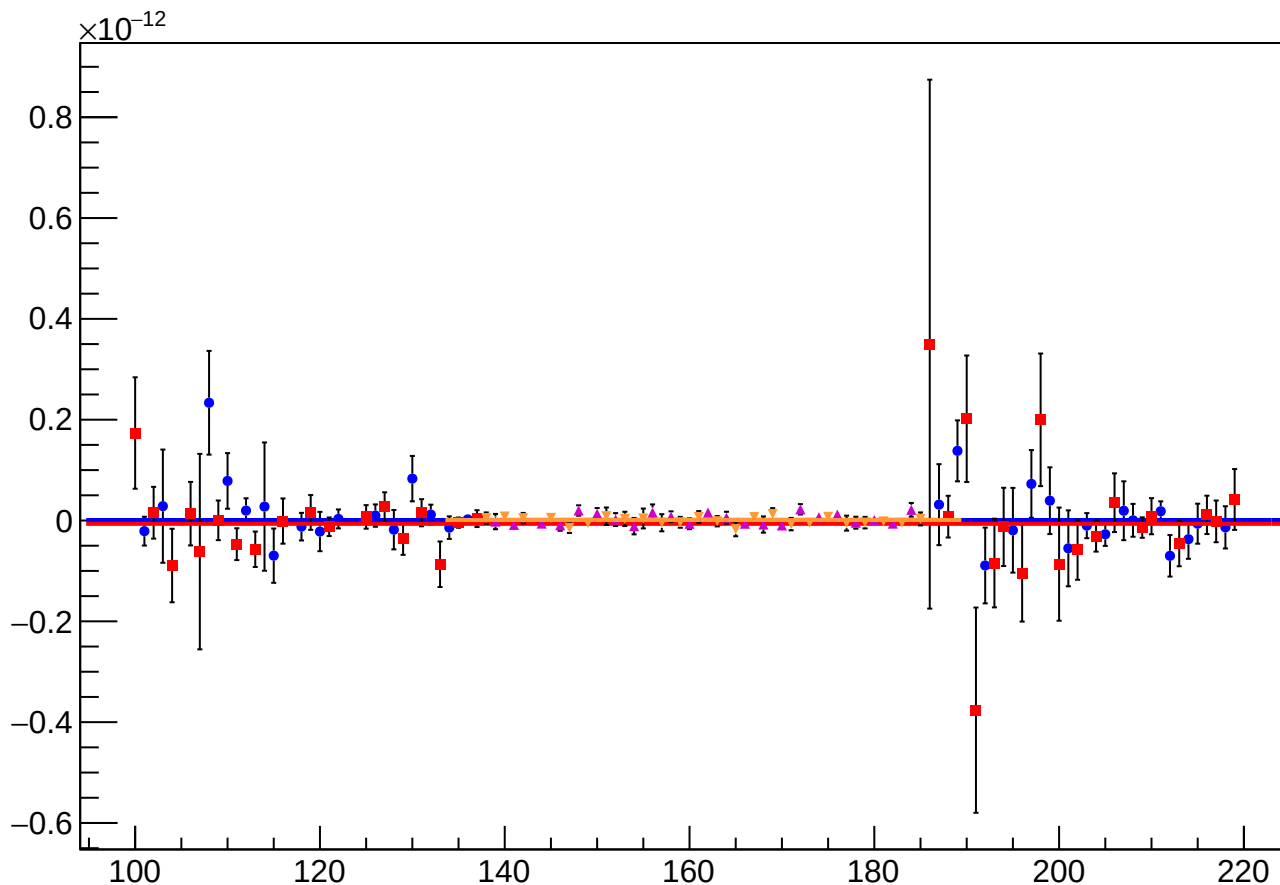
Left In: 21.099 $\pm$ 0.004 χ^2 /NDF: 819268.9/22

+ sign 24.706 $\pm$ 0.003 χ^2 /NDF: 5878069.7/55

All: 24.208 $\pm$ 0.002 χ^2 /NDF: 13384751.7/114

- sign 23.739 $\pm$ 0.003 χ^2 /NDF: 7459533.8/58

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 30.7/31$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 11.6/23$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 30.6/35$

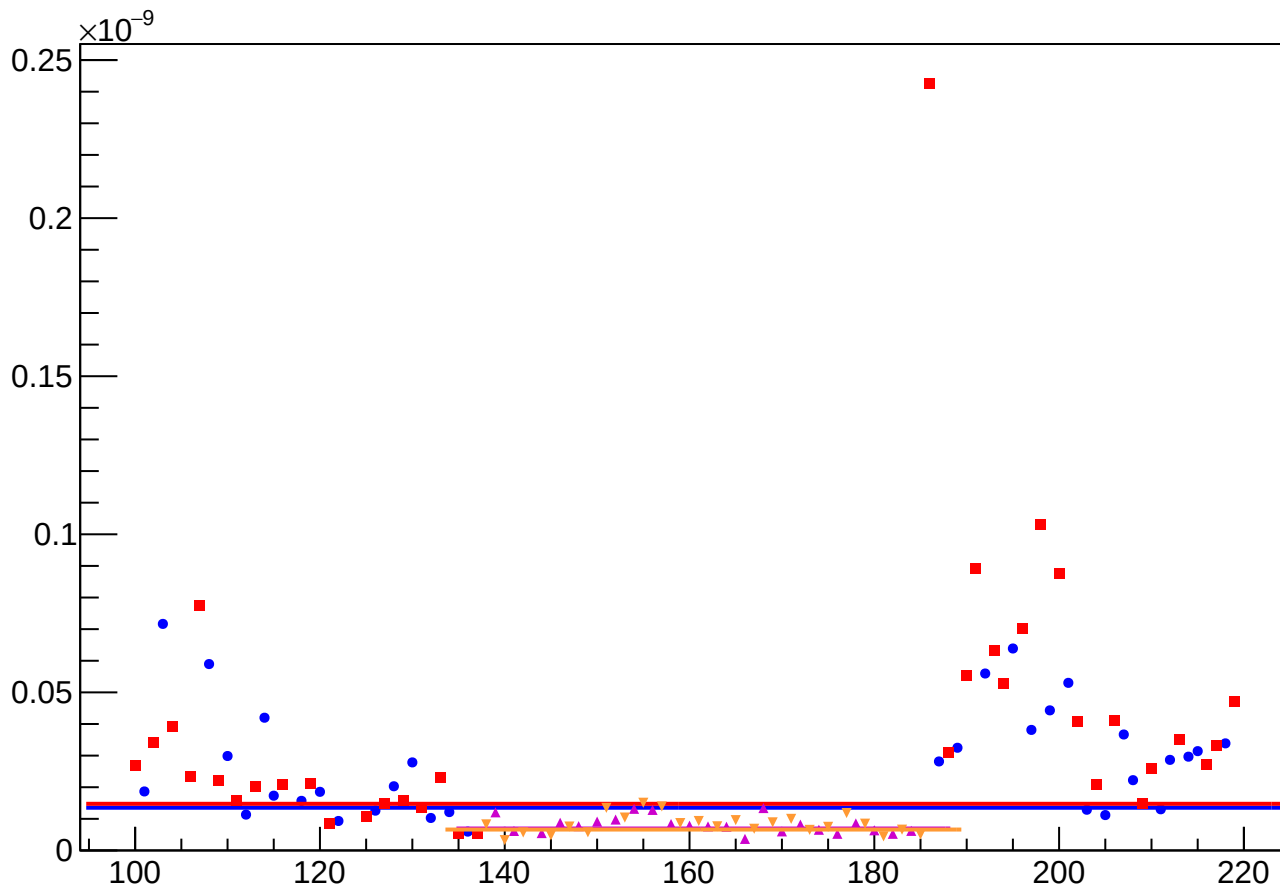
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 25.8/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 42.2/55$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 100.6/114$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 58.3/58$

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8205479.0/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3457171.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 11038035.9/35

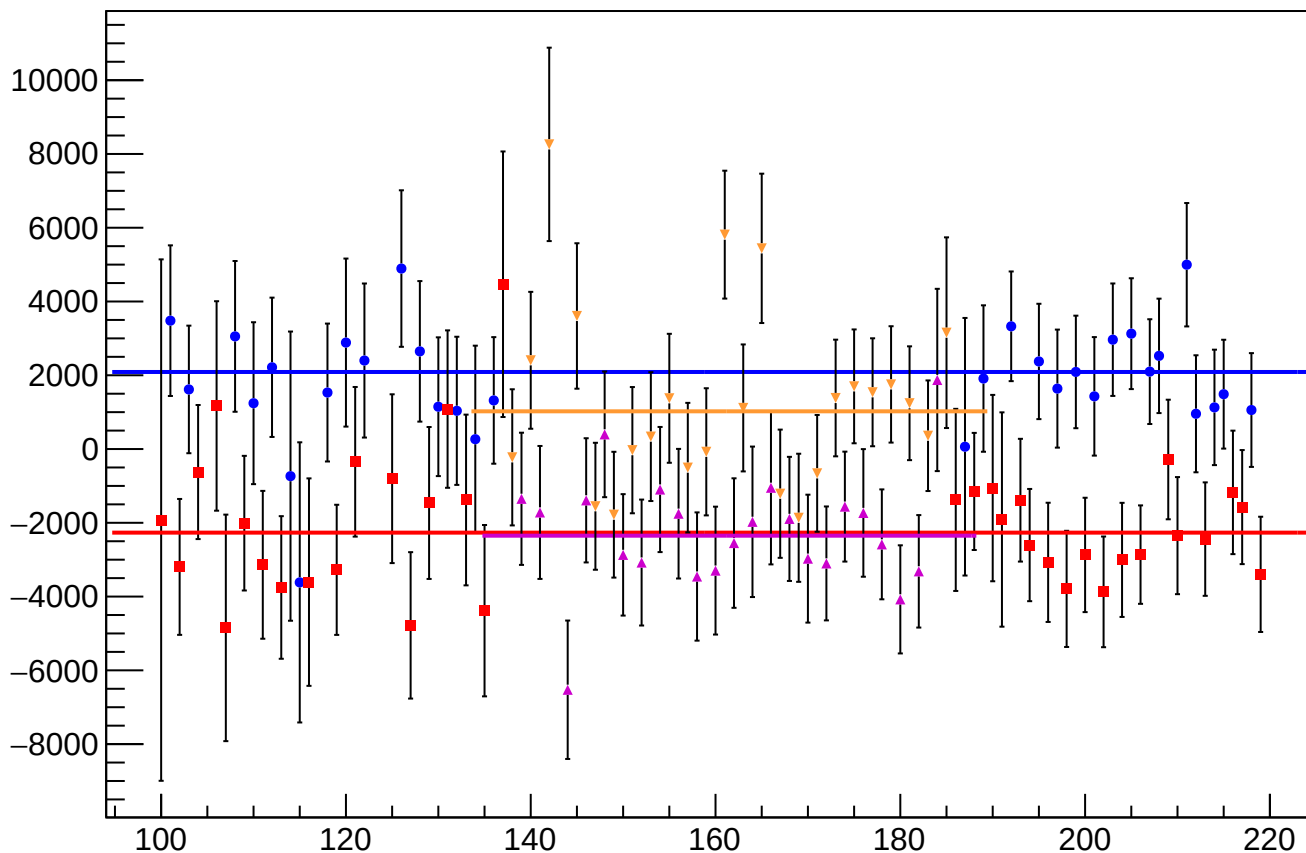
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2315472.3/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 15059736.6/55

All: 0.000 $\pm$ 0.000 χ^2/NDF : 32194301.9/114

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 17098711.3/58

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2089.126+/-317.829 χ^2/NDF : 13.7/31

Left Out: 1022.603+/-353.459 χ^2/NDF : 36.4/23

Right Out: -2266.520+/-310.923 χ^2/NDF : 21.4/35

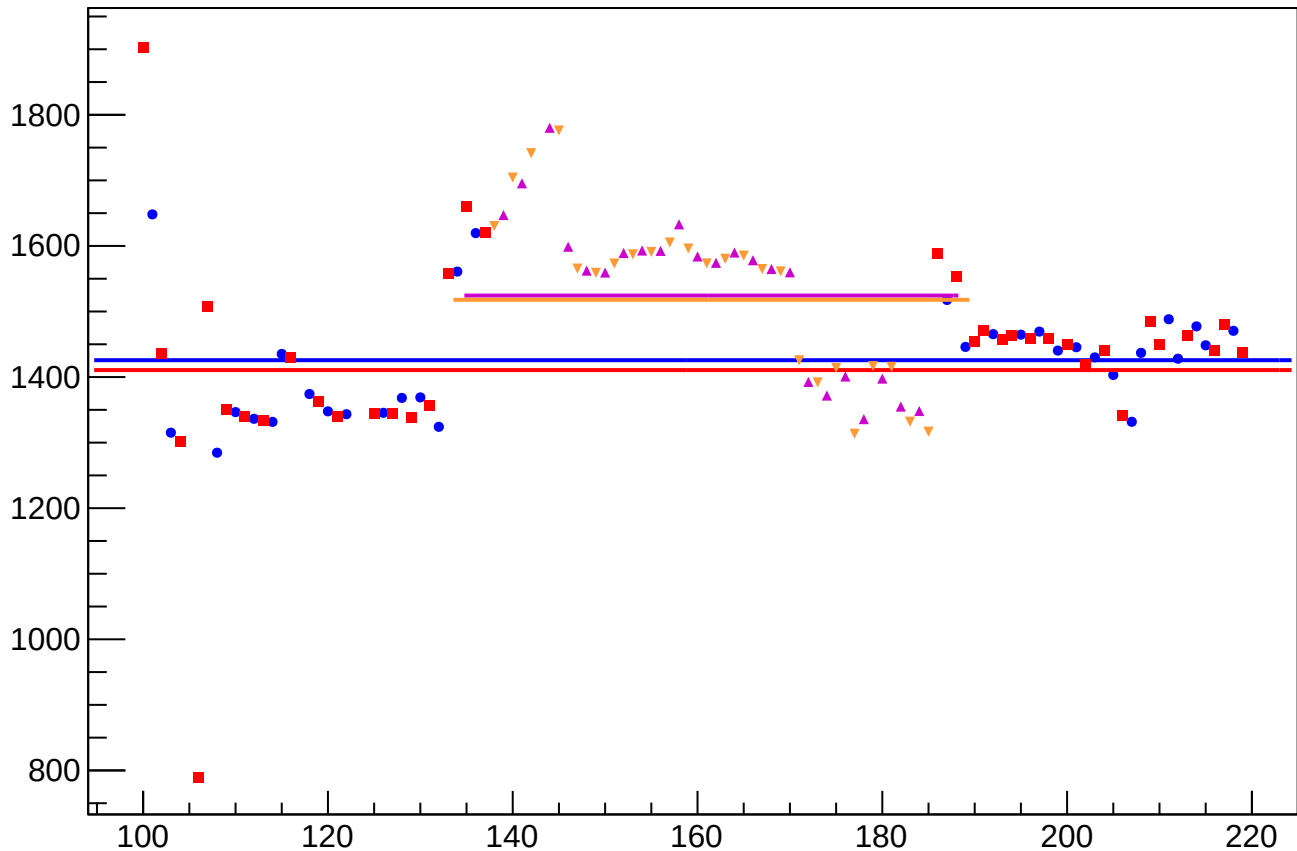
Left In: -2349.189+/-357.068 χ^2/NDF : 16.0/22

+ sign 1612.313+/-236.335 χ^2/NDF : 55.2/55

All: -360.312+/-166.456 χ^2/NDF : 230.8/114

- sign -2302.171+/-234.485 χ^2/NDF : 37.4/58

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1425.725 $\pm$ 0.225 χ^2 /NDF: 122185.7/31

Left Out: 1517.815 $\pm$ 0.250 χ^2 /NDF: 233957.9/23

Right Out: 1410.633 $\pm$ 0.217 χ^2 /NDF: 415417.9/35

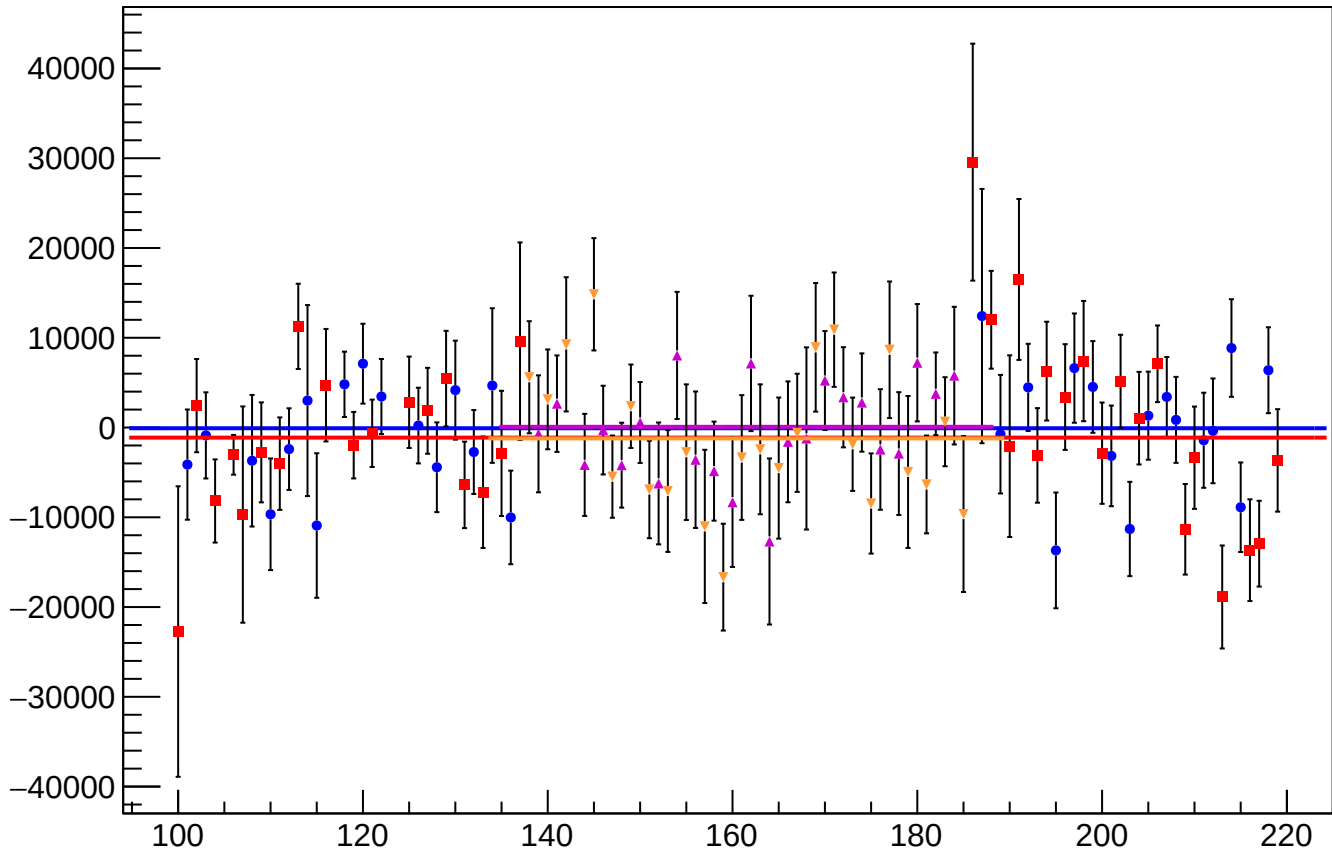
Left In: 1524.314 $\pm$ 0.252 χ^2 /NDF: 224321.2/22

+ sign 1466.896 $\pm$ 0.167 χ^2 /NDF: 431210.0/55

All: 1462.896 $\pm$ 0.117 χ^2 /NDF: 1188531.8/11

- sign 1459.011 $\pm$ 0.165 χ^2 /NDF: 756192.4/58

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -79.968 ± 935.968 χ^2/NDF : 37.4/31

Left Out: -1211.893 ± 1268.315 χ^2/NDF : 33.2/23

Right Out: -1123.519 ± 861.819 χ^2/NDF : 69.4/35

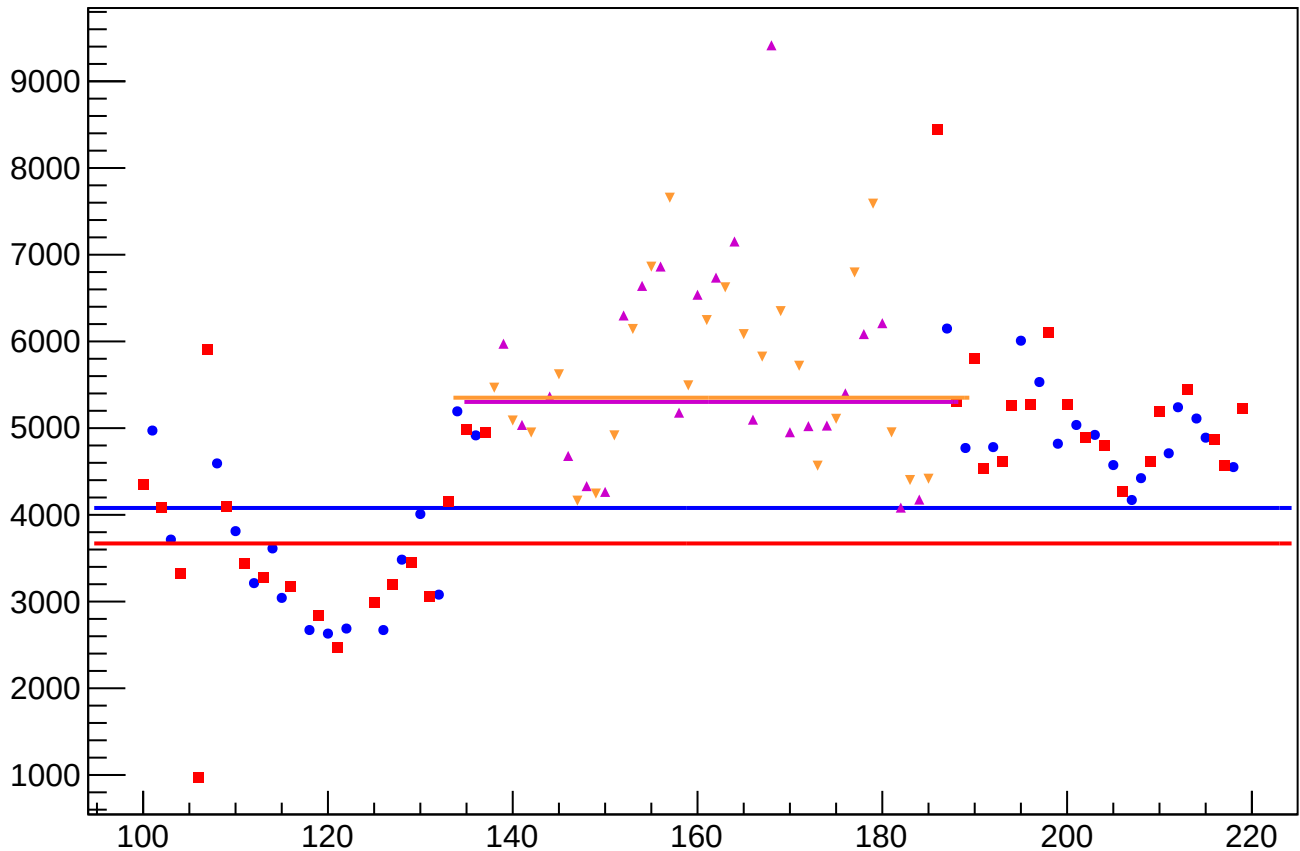
Left In: 80.780 ± 1264.327 χ^2/NDF : 13.2/22

+ sign -479.060 ± 753.104 χ^2/NDF : 71.2/55

All: -617.600 ± 517.426 χ^2/NDF : 154.5/114

- sign -741.471 ± 712.117 χ^2/NDF : 83.2/58

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 4079.354 $\pm$ 0.662 χ^2 /NDF: 2172194.8/31

Left Out: 5351.126 $\pm$ 0.897 χ^2 /NDF:1066045.6/23

Right Out: 3670.142 $\pm$ 0.609 χ^2 /NDF: 5935042.9/35

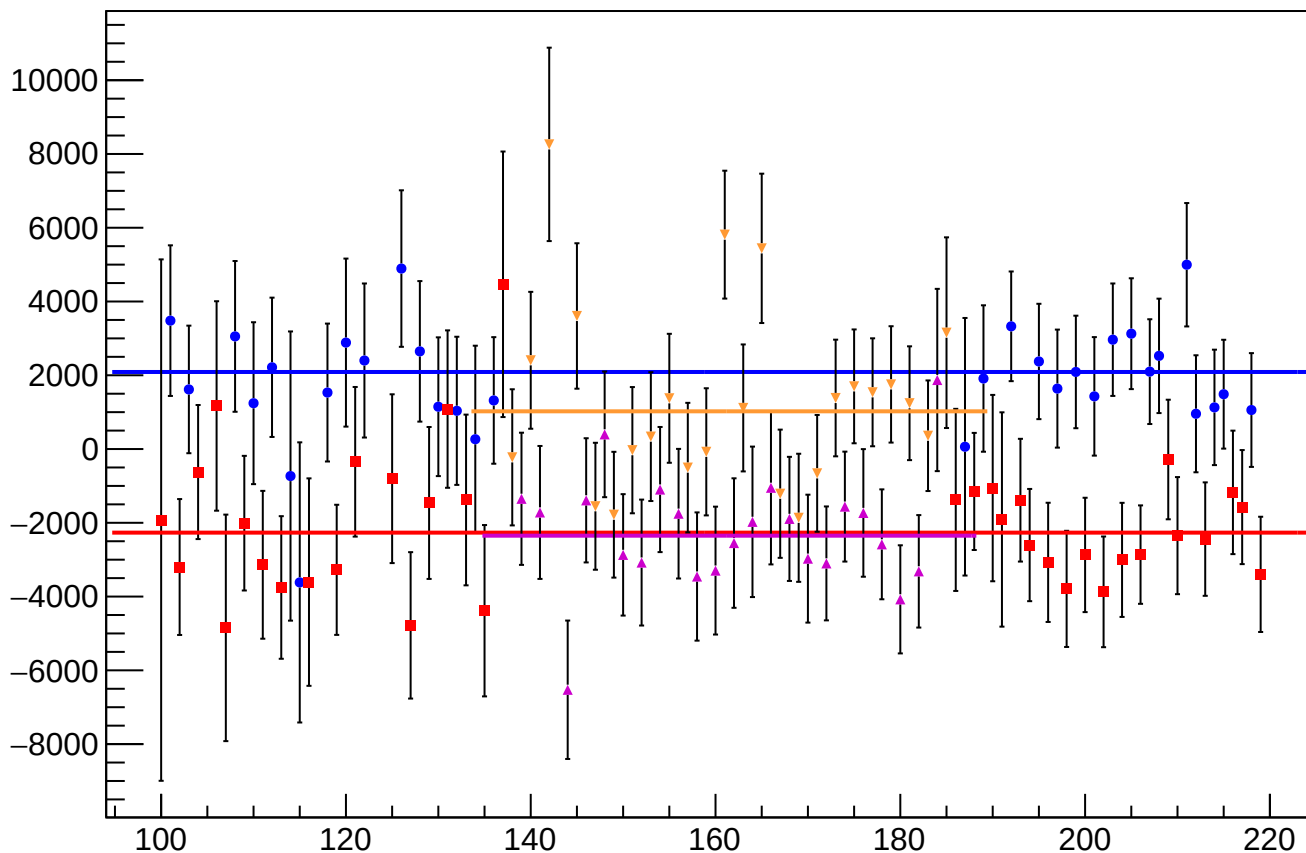
Left In: 5302.185 $\pm$ 0.894 χ^2 /NDF:1256309.3/22

+ sign 4527.753 $\pm$ 0.533 χ^2 /NDF: 4540152.6/55

All: 4348.320 $\pm$ 0.366 χ^2 /NDF: 14221879.4/1

- sign 4187.887 $\pm$ 0.504 χ^2 /NDF: 9466681.1/58

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2089.102 $\pm$ 317.829 χ^2 /NDF: 13.7/31

Left Out: 1022.634 $\pm$ 353.459 χ^2 /NDF:36.4/23

Right Out: -2266.586 $\pm$ 310.924 χ^2 /NDF: 21.4/35

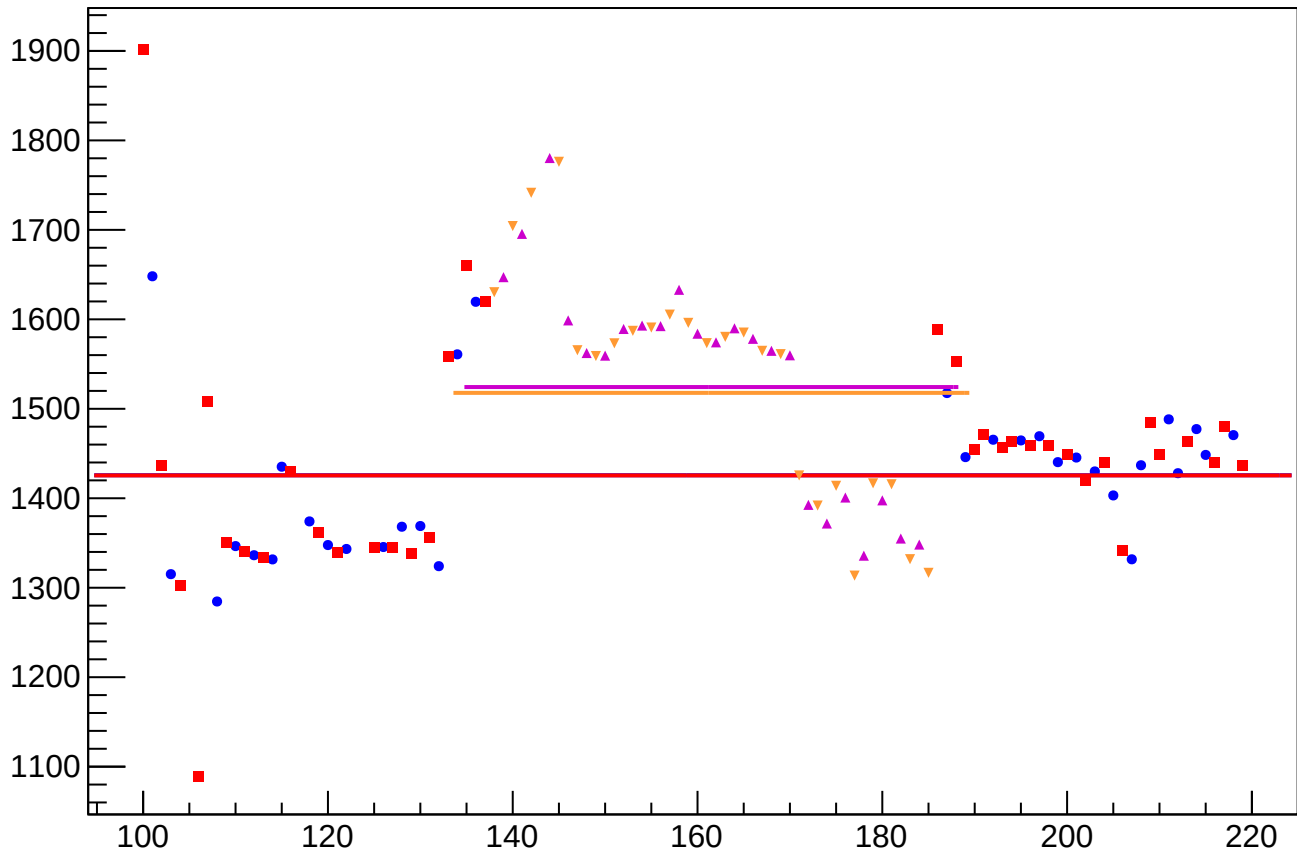
Left In: -2349.186 $\pm$ 357.068 χ^2 /NDF:16.0/22

+ sign 1612.313 $\pm$ 236.335 χ^2 /NDF: 55.2/55

All: -360.328 $\pm$ 166.456 χ^2 /NDF: 230.8/114

- sign -2302.207 $\pm$ 234.485 χ^2 /NDF: 37.4/58

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1425.725 $\pm$ 0.225 χ^2 /NDF: 122185.7/31

Left Out: 1517.815 $\pm$ 0.250 χ^2 /NDF: 233957.9/23

Right Out: 1425.543 $\pm$ 0.219 χ^2 /NDF: 174304.1/35

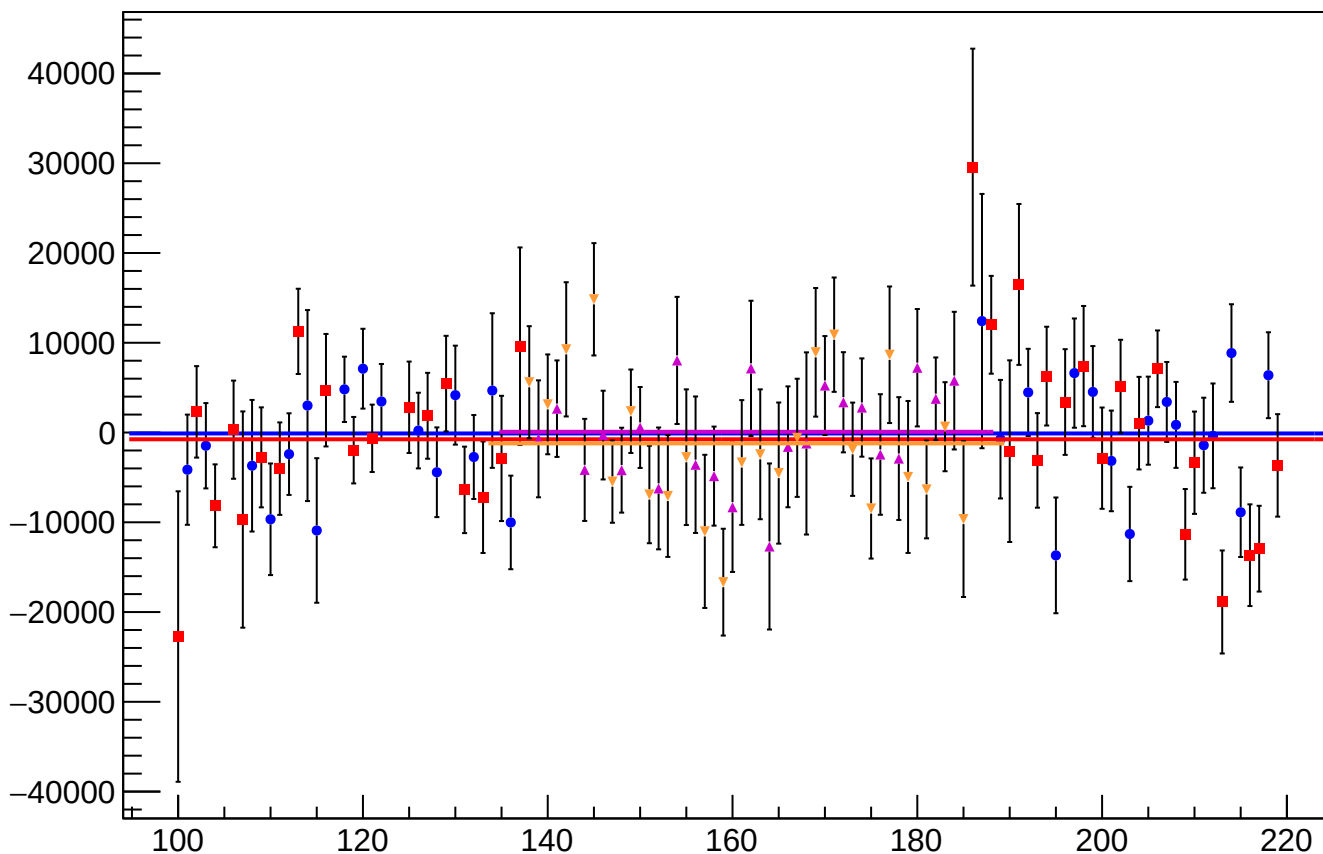
Left In: 1524.314 $\pm$ 0.252 χ^2 /NDF: 224321.2/22

+ sign 1466.896 $\pm$ 0.167 χ^2 /NDF: 431210.1/55

All: 1467.405 $\pm$ 0.118 χ^2 /NDF: 917254.2/114

- sign 1467.904 $\pm$ 0.165 χ^2 /NDF: 486025.7/58

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -103.988 ± 935.596 χ^2/NDF : 37.5/31

Left Out: -1211.889 ± 1268.316 χ^2/NDF : 33.2/23

Right Out: -752.085 ± 921.513 χ^2/NDF : 68.5/35

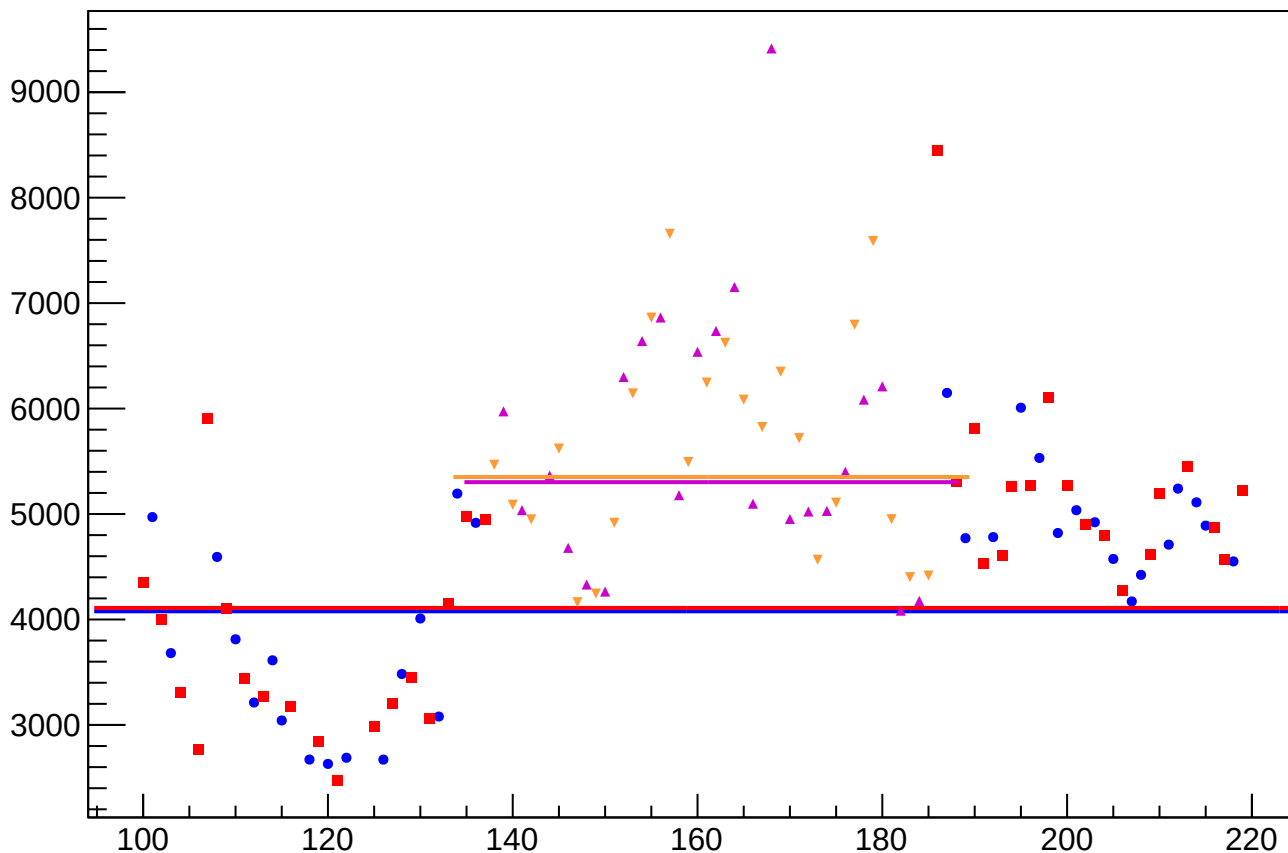
Left In: 80.689 ± 1264.325 χ^2/NDF : 13.2/22

+ sign -494.408 ± 752.910 χ^2/NDF : 71.2/55

All: -478.617 ± 529.461 χ^2/NDF : 153.3/114

- sign -463.169 ± 744.699 χ^2/NDF : 82.0/58

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 4077.749 $\pm$ 0.662 χ^2/NDF : 2174605.4/31

Left Out: 5351.132 $\pm$ 0.897 χ^2/NDF : 1066039.6/23

Right Out: 4109.752 $\pm$ 0.652 χ^2/NDF : 2554419.8/35

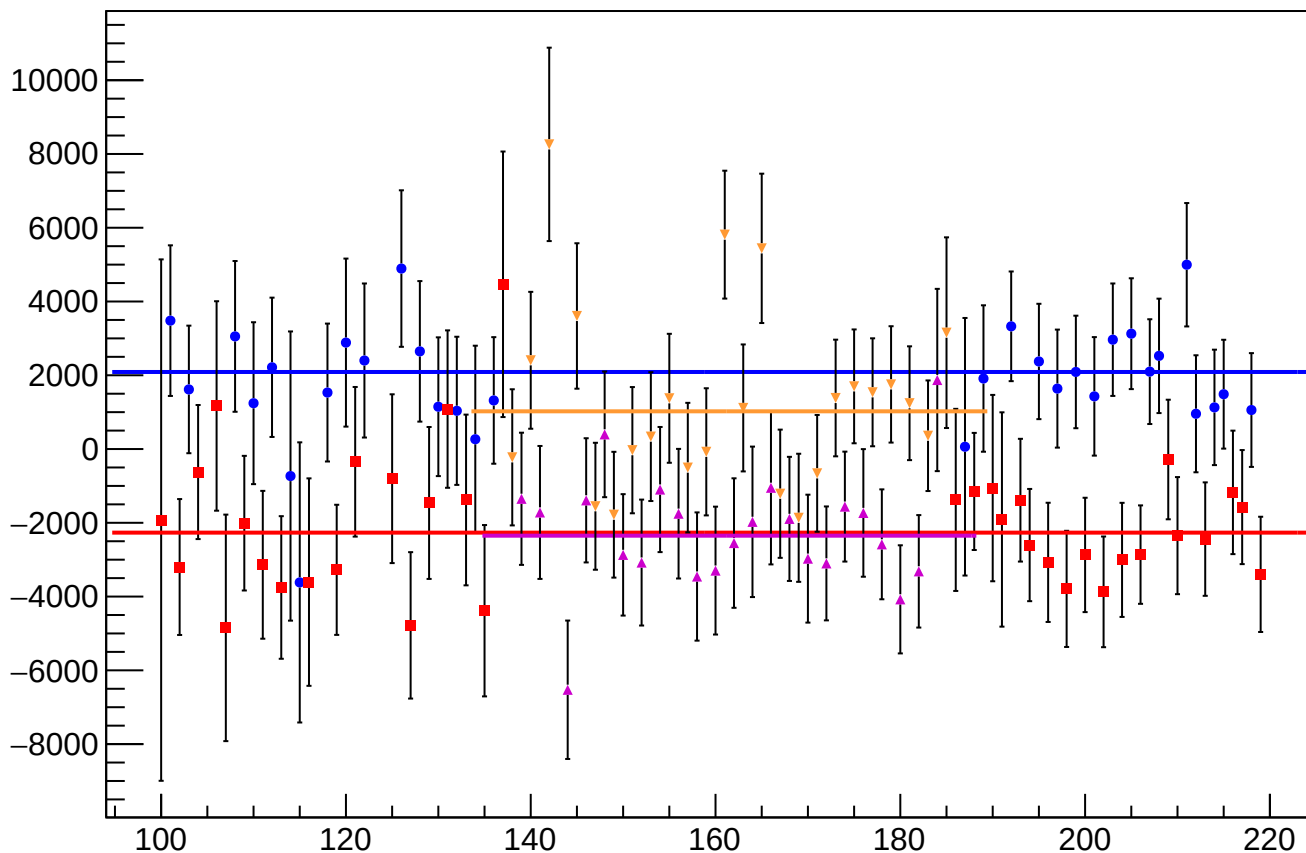
Left In: 5302.177 $\pm$ 0.894 χ^2/NDF : 1256324.3/22

+ sign 4526.484 $\pm$ 0.532 χ^2/NDF : 4546220.4/55

All: 4524.947 $\pm$ 0.374 χ^2/NDF : 9518784.5/11

- sign 4523.442 $\pm$ 0.527 χ^2/NDF : 4972547.5/58

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2089.102 $\pm$ 317.829 χ^2 /NDF: 13.7/31

Left Out: 1022.634 $\pm$ 353.459 χ^2 /NDF:36.4/23

Right Out: -2266.586 $\pm$ 310.924 χ^2 /NDF: 21.4/35

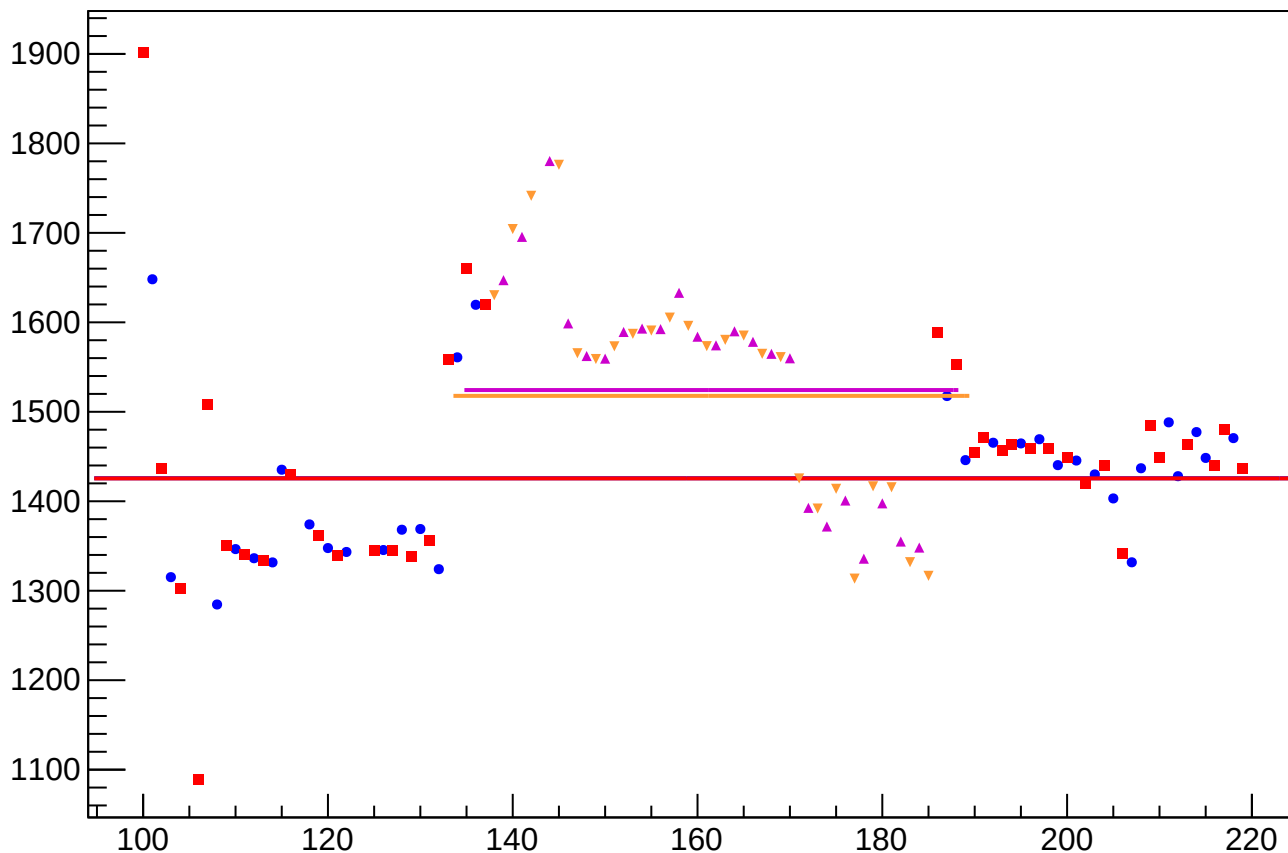
Left In: -2349.186 $\pm$ 357.068 χ^2 /NDF:16.0/22

+ sign 1612.313 $\pm$ 236.335 χ^2 /NDF: 55.2/55

All: -360.328 $\pm$ 166.456 χ^2 /NDF: 230.8/114

- sign -2302.207 $\pm$ 234.485 χ^2 /NDF: 37.4/58

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1425.725 $\pm$ 0.225 χ^2 /NDF: 122185.7/31

Left Out: 1517.815 $\pm$ 0.250 χ^2 /NDF: 233957.9/23

Right Out: 1425.543 $\pm$ 0.219 χ^2 /NDF: 174304.1/35

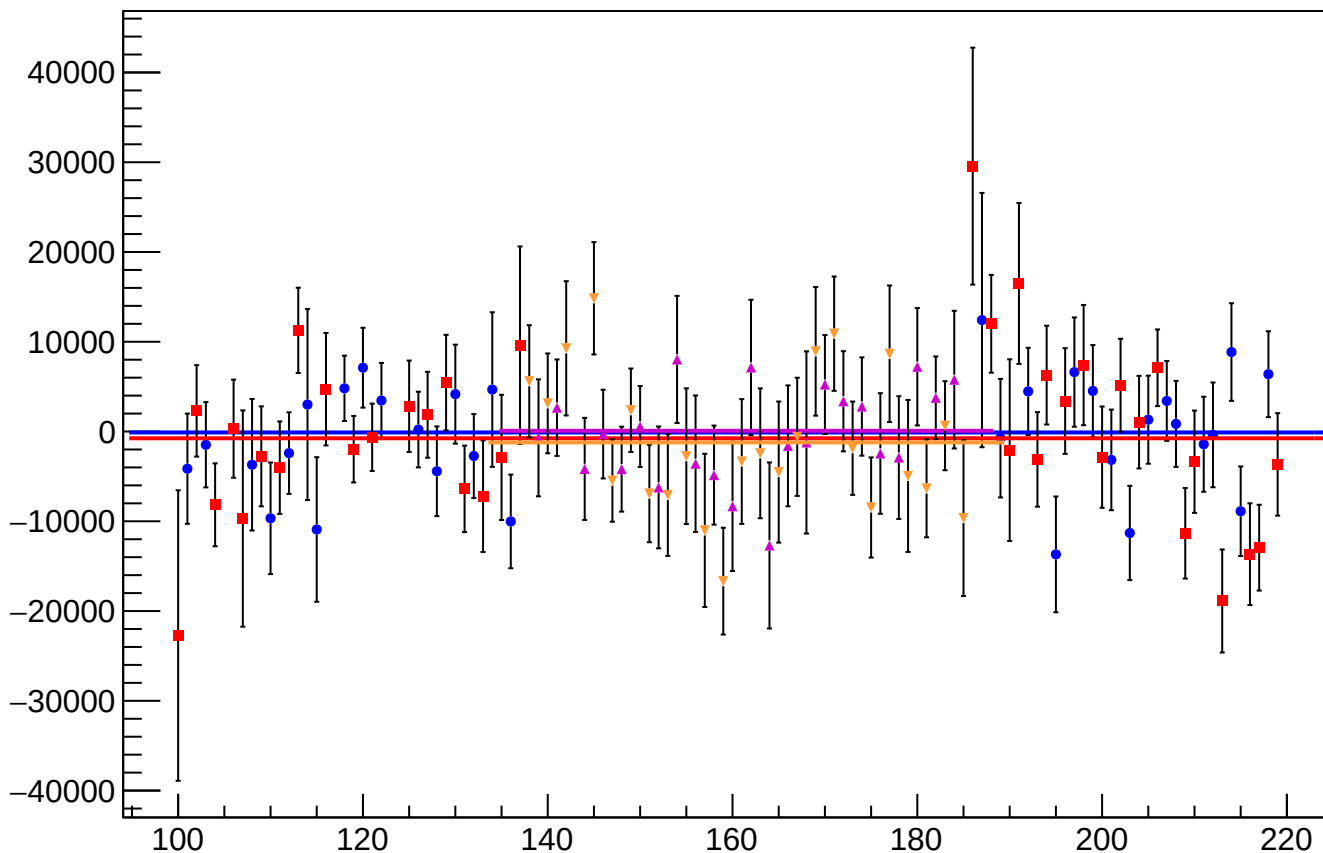
Left In: 1524.314 $\pm$ 0.252 χ^2 /NDF: 224321.2/22

+ sign 1466.896 $\pm$ 0.167 χ^2 /NDF: 431210.1/55

All: 1467.405 $\pm$ 0.118 χ^2 /NDF: 917254.2/114

- sign 1467.904 $\pm$ 0.165 χ^2 /NDF: 486025.7/58

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug



Right In: -103.988+/-935.596 χ^2/NDF : 37.5/31

Left Out: -1211.889+/-1268.316 χ^2/NDF : 33.2/23

Right Out: -752.085+/-921.513 χ^2/NDF : 68.5/35

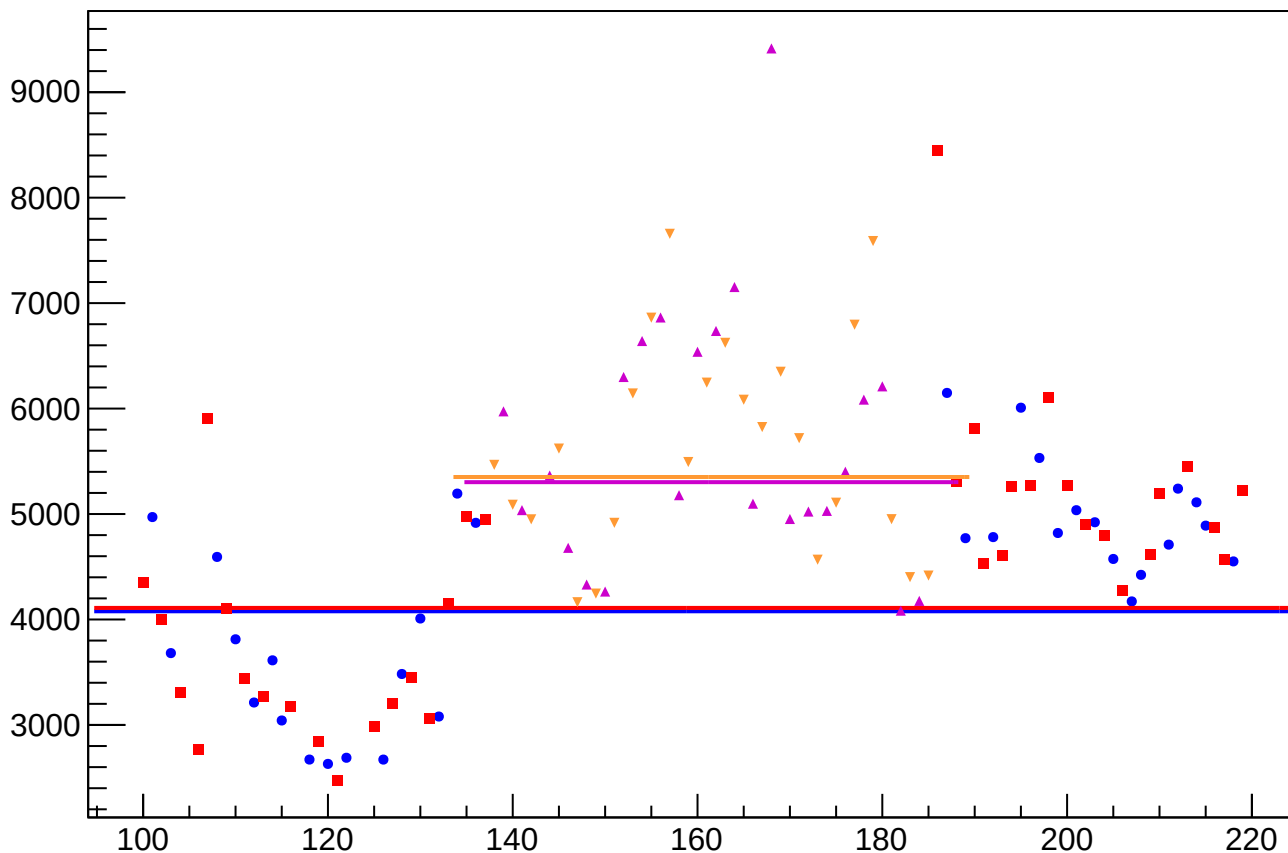
Left In: 80.689+/-1264.325 χ^2/NDF : 13.2/22

+ sign -494.408+/-752.910 χ^2/NDF : 71.2/55

All: -478.617+/-529.461 χ^2/NDF : 153.3/114

- sign -463.169+/-744.699 χ^2/NDF : 82.0/58

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 4077.749 $\pm$ 0.662 χ^2 /NDF: 2174605.4/31

Left Out: 5351.132 $\pm$ 0.897 χ^2 /NDF:1066039.6/23

Right Out: 4109.752 $\pm$ 0.652 χ^2 /NDF: 2554419.8/35

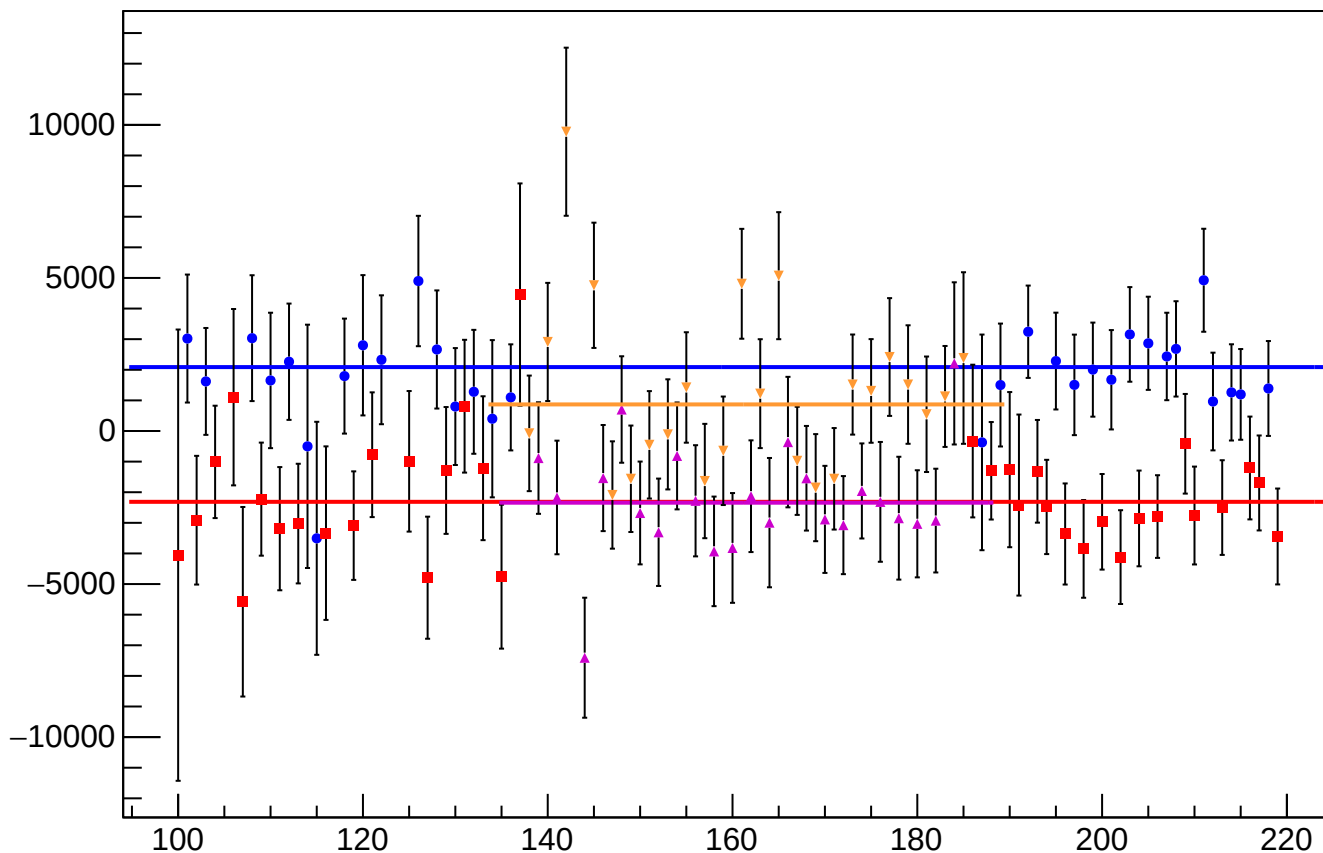
Left In: 5302.177 $\pm$ 0.894 χ^2 /NDF:1256324.3/22

+ sign 4526.484 $\pm$ 0.532 χ^2 /NDF: 4546220.4/55

All: 4524.947 $\pm$ 0.374 χ^2 /NDF: 9518784.5/11

- sign 4523.442 $\pm$ 0.527 χ^2 /NDF: 4972547.5/58

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2087.724 $\pm$ 320.809 χ^2/NDF : 12.9/31

Left Out: 868.415 $\pm$ 377.179 χ^2/NDF : 39.7/23

Right Out: -2313.576 $\pm$ 314.718 χ^2/NDF : 20.6/35

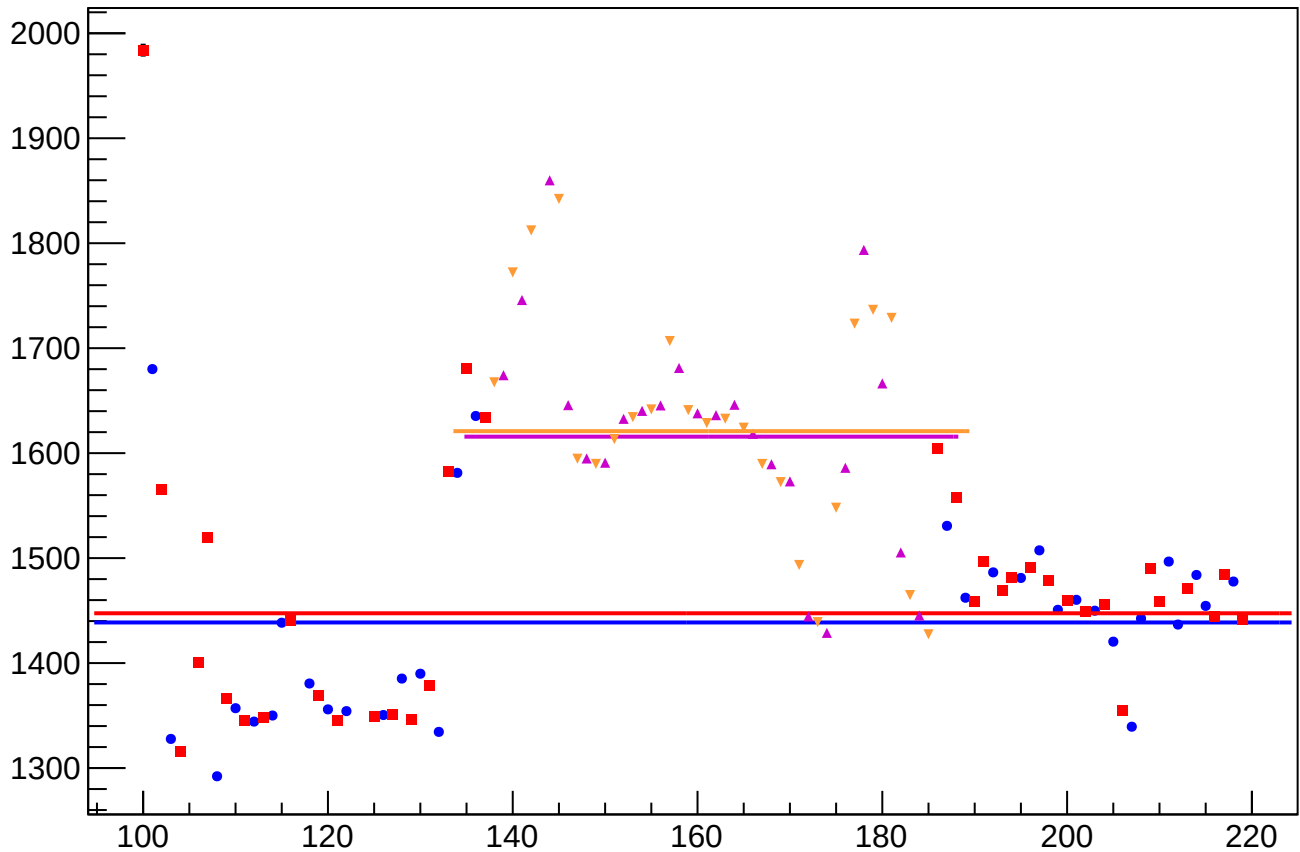
Left In: -2342.303 $\pm$ 378.114 χ^2/NDF : 18.0/22

+ sign 1575.904 $\pm$ 244.371 χ^2/NDF : 58.8/55

All: -394.606 $\pm$ 171.913 χ^2/NDF : 226.2/114

- sign -2325.333 $\pm$ 241.892 χ^2/NDF : 38.7/58

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1438.695 ± 0.227 χ^2/NDF : 129499.1/31

Left Out: 1620.945 ± 0.267 χ^2/NDF : 141985.5/23

Right Out: 1447.453 ± 0.222 χ^2/NDF : 133094.0/35

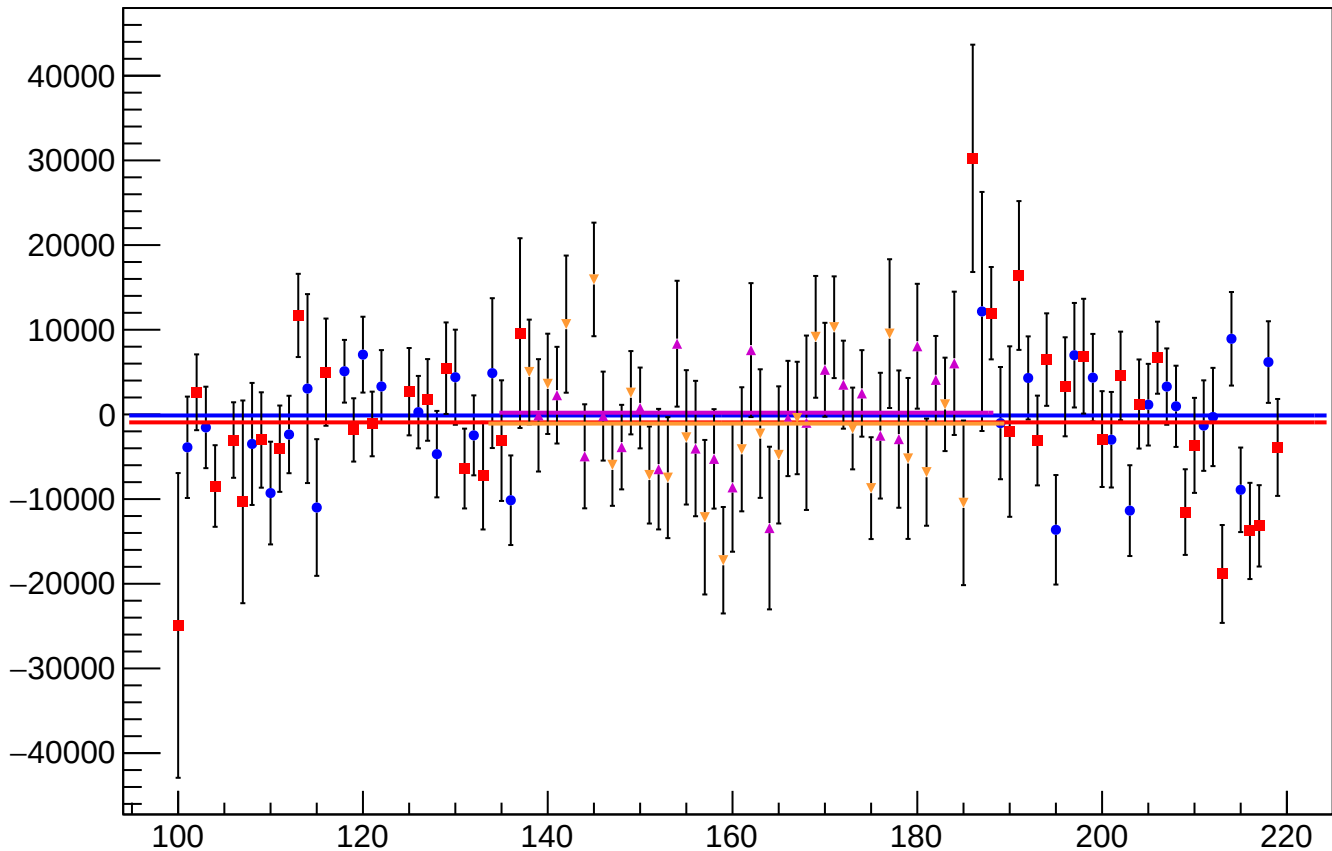
Left In: 1615.705 ± 0.267 χ^2/NDF : 137139.2/22

+ sign 1515.197 ± 0.173 χ^2/NDF : 542425.7/55

All: 1515.721 ± 0.122 χ^2/NDF : 1046797.7/11

- sign 1516.234 ± 0.171 χ^2/NDF : 504353.8/58

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -123.873 ± 943.521 χ^2/NDF : 36.8/31

Left Out: -1082.232 ± 1332.403 χ^2/NDF : 32.9/23

Right Out: -940.113 ± 917.132 χ^2/NDF : 68.6/35

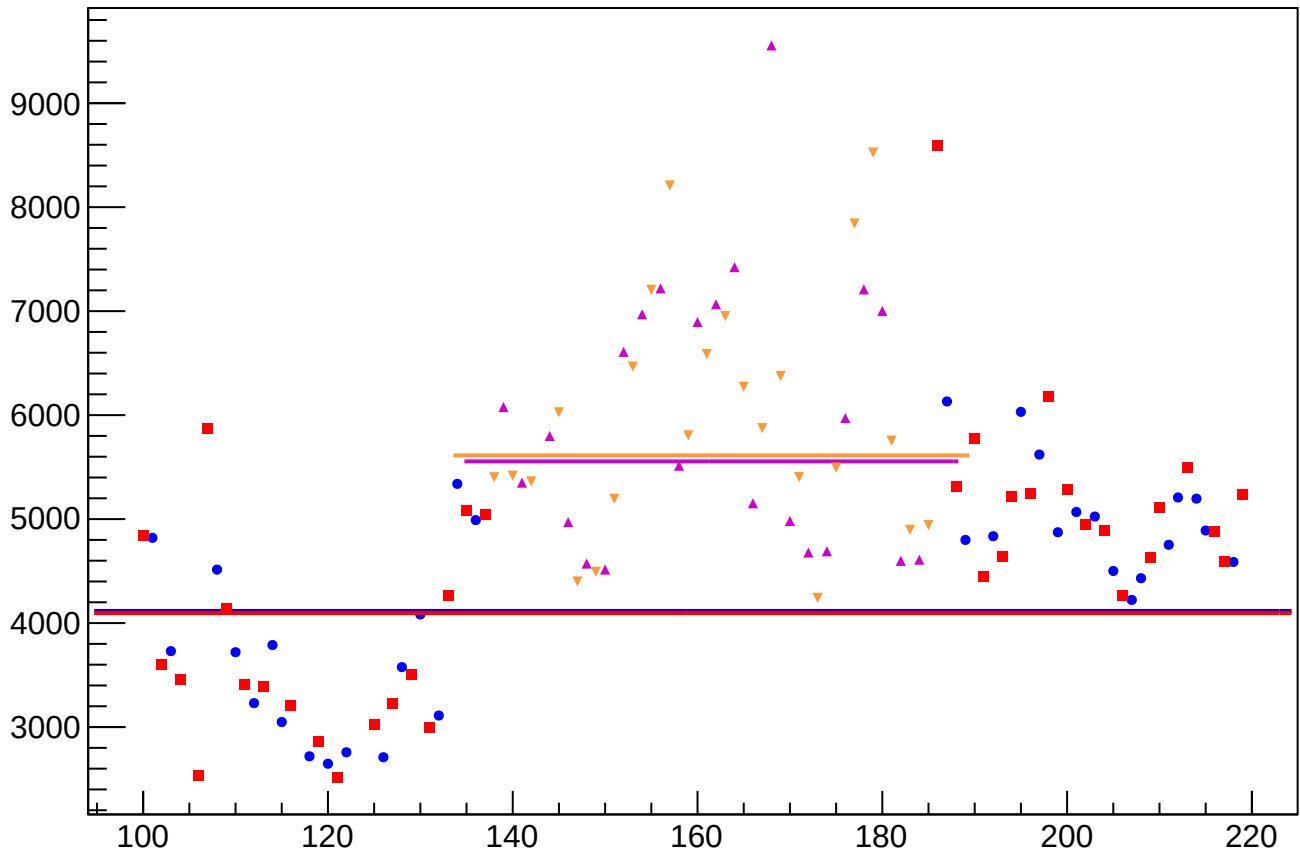
Left In: 201.662 ± 1326.173 χ^2/NDF : 12.9/22

+ sign -443.945 ± 770.008 χ^2/NDF : 70.1/55

All: -508.635 ± 538.846 χ^2/NDF : 152.1/114

- sign -570.716 ± 754.322 χ^2/NDF : 82.0/58

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 4116.532 $\pm$ 0.667 χ^2 /NDF: 2111216.7/31

Left Out: 5612.730 $\pm$ 0.942 χ^2 /NDF:1188118.0/23

Right Out: 4095.656 $\pm$ 0.649 χ^2 /NDF: 2655497.6/35

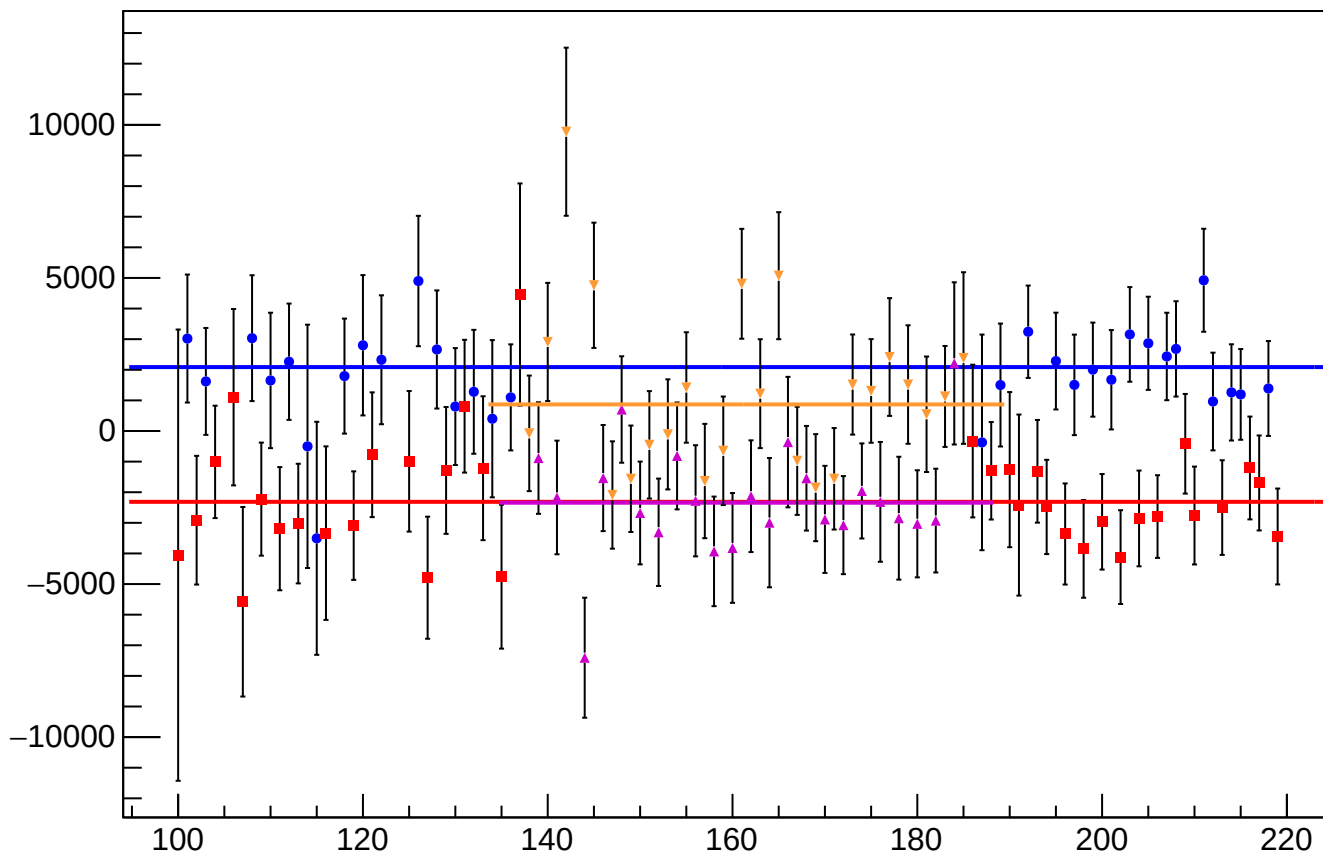
Left In: 5554.927 $\pm$ 0.938 χ^2 /NDF:1332970.4/22

+ sign 4616.231 $\pm$ 0.544 χ^2 /NDF: 4979009.5/55

All: 4591.503 $\pm$ 0.381 χ^2 /NDF: 10609657.9/1

- sign 4567.772 $\pm$ 0.533 χ^2 /NDF: 5626606.3/58

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2087.725 $\pm$ 320.809 χ^2 /NDF: 12.9/31

Left Out: 868.410 $\pm$ 377.180 χ^2 /NDF:39.7/23

Right Out: -2313.573 $\pm$ 314.718 χ^2 /NDF: 20.6/35

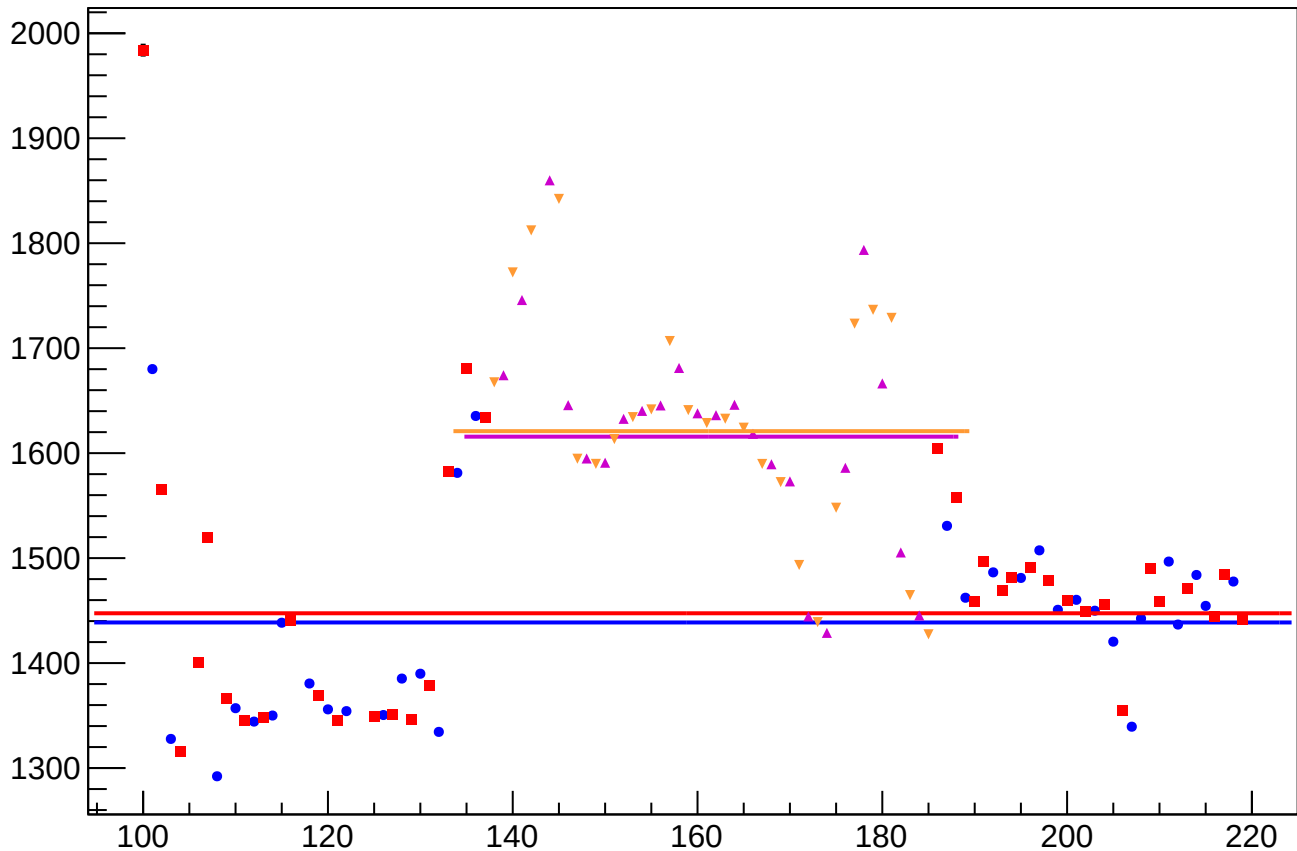
Left In: -2342.303 $\pm$ 378.114 χ^2 /NDF:18.0/22

+ sign 1575.903 $\pm$ 244.371 χ^2 /NDF: 58.8/55

All: -394.605 $\pm$ 171.913 χ^2 /NDF: 226.2/114

- sign -2325.331 $\pm$ 241.892 χ^2 /NDF: 38.7/58

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1438.695 ± 0.227 χ^2/NDF : 129499.1/31

Left Out: 1620.946 ± 0.267 χ^2/NDF : 141990.3/23

Right Out: 1447.453 ± 0.222 χ^2/NDF : 133094.3/35

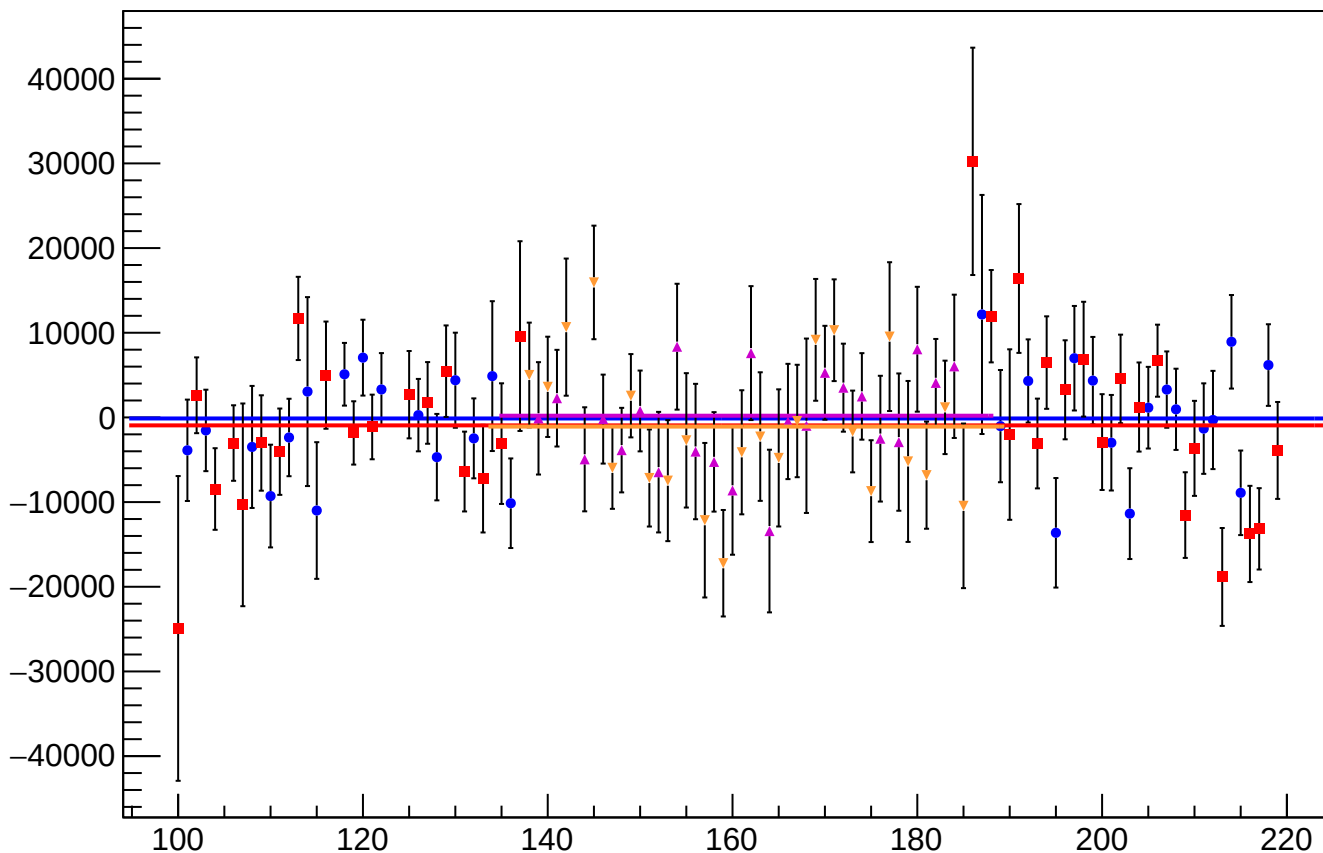
Left In: 1615.706 ± 0.267 χ^2/NDF : 137144.0/22

+ sign 1515.197 ± 0.173 χ^2/NDF : 542433.8/55

All: 1515.721 ± 0.122 χ^2/NDF : 1046814.2/11

- sign 1516.234 ± 0.171 χ^2/NDF : 504362.2/58

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug



Right In: -123.869 ± 943.520 χ^2/NDF : 36.8/31

Left Out: -1082.239 ± 1332.405 χ^2/NDF : 32.9/23

Right Out: -940.114 ± 917.131 χ^2/NDF : 68.6/35

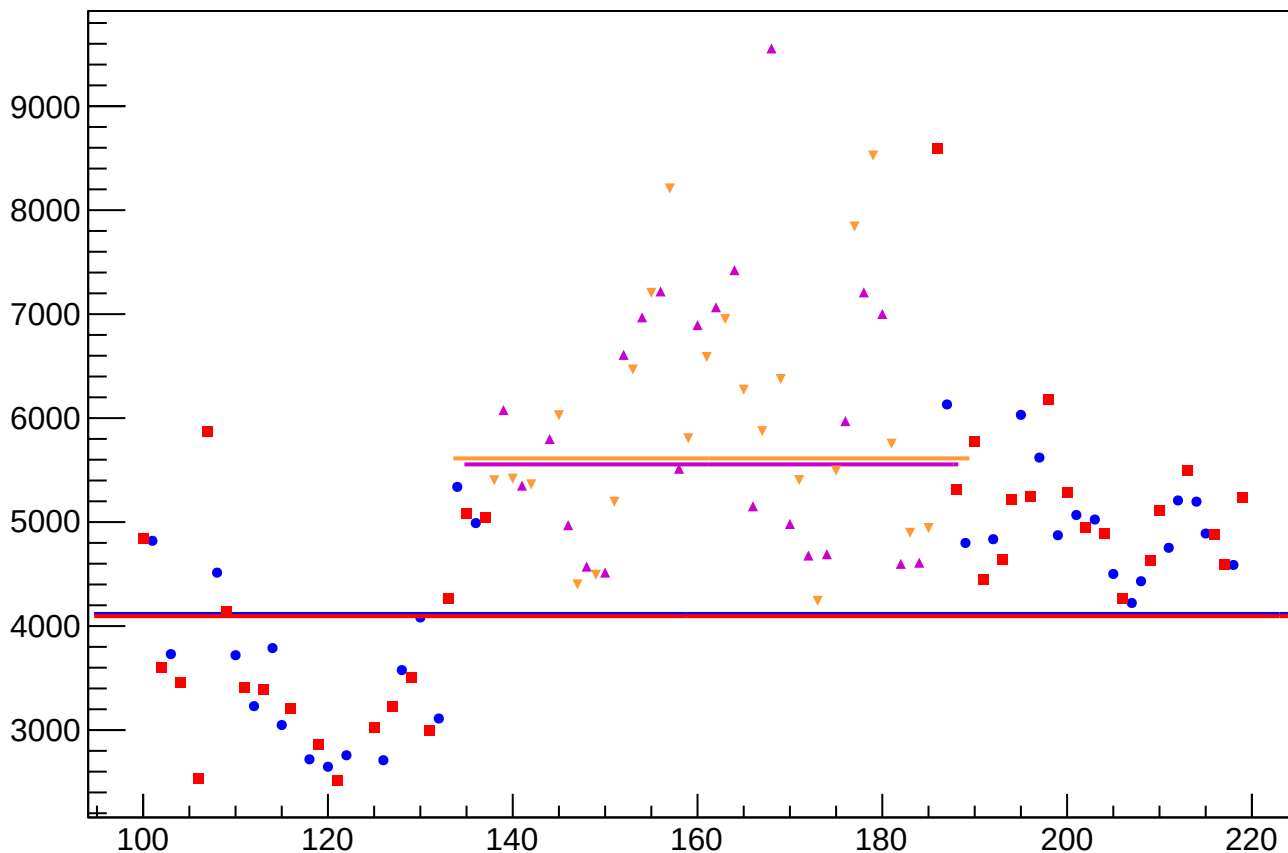
Left In: 201.663 ± 1326.175 χ^2/NDF : 12.9/22

+ sign -443.943 ± 770.008 χ^2/NDF : 70.1/55

All: -508.635 ± 538.846 χ^2/NDF : 152.1/114

- sign -570.718 ± 754.322 χ^2/NDF : 82.0/58

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 4116.528+/-0.667 χ^2/NDF : 2111261.0/31

Left Out: 5612.739+/-0.942 χ^2/NDF : 1188118.8/23

Right Out: 4095.650+/-0.649 χ^2/NDF : 265536.0/35

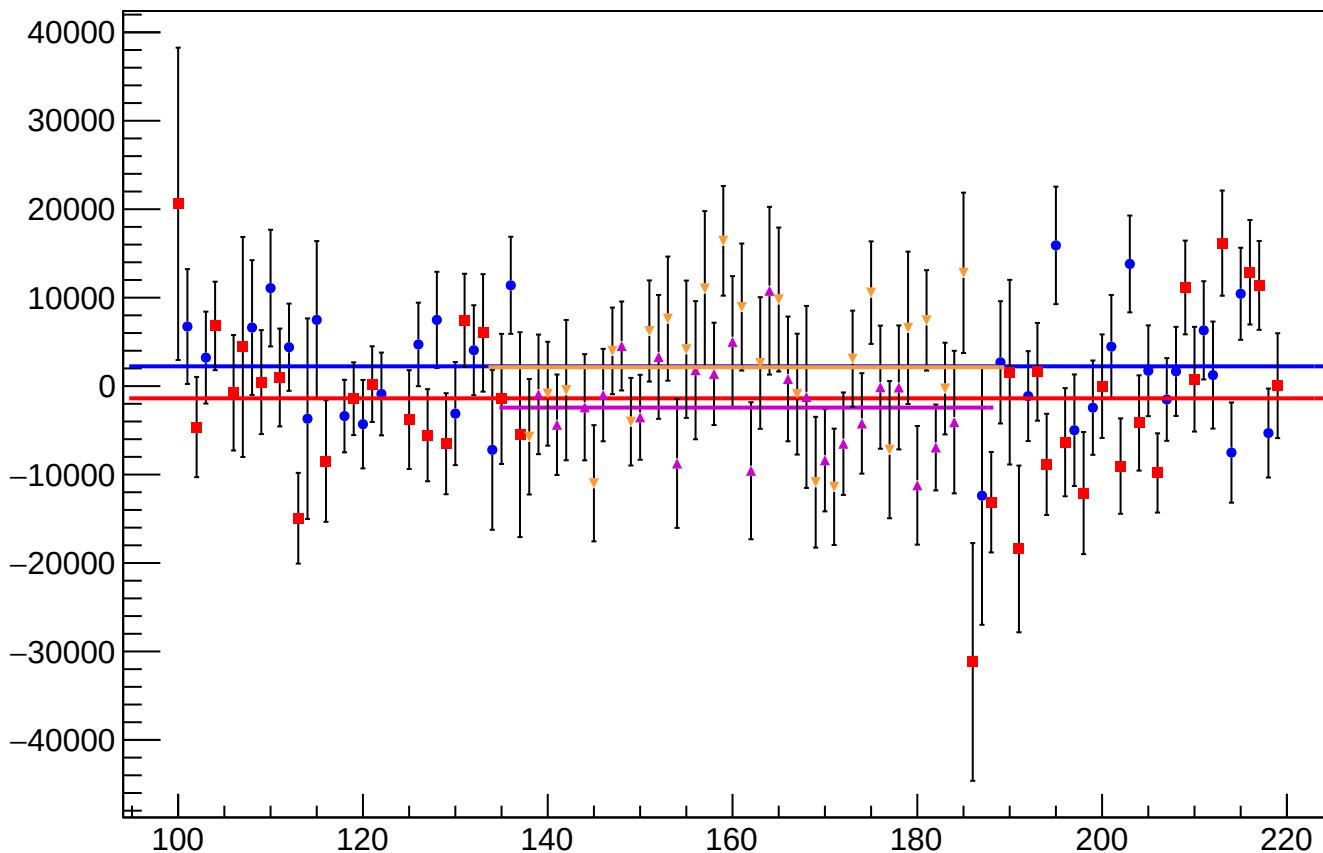
Left In: 5554.935+/-0.938 χ^2/NDF : 1332972.0/22

+ sign 4616.230+/-0.544 χ^2/NDF : 4979080.5/55

All: 4591.501+/-0.381 χ^2/NDF : 10609797.6/1

- sign 4567.769+/-0.533 χ^2/NDF : 5626674.8/58

asym_usl_atl2_avg_mean vs Slug



Right In: 2236.634 ± 999.790 χ^2/NDF : 34.9/31

Left Out: 2138.140 ± 1324.387 χ^2/NDF : 30.7/23

Right Out: -1379.341 ± 986.293 χ^2/NDF : 69.3/35

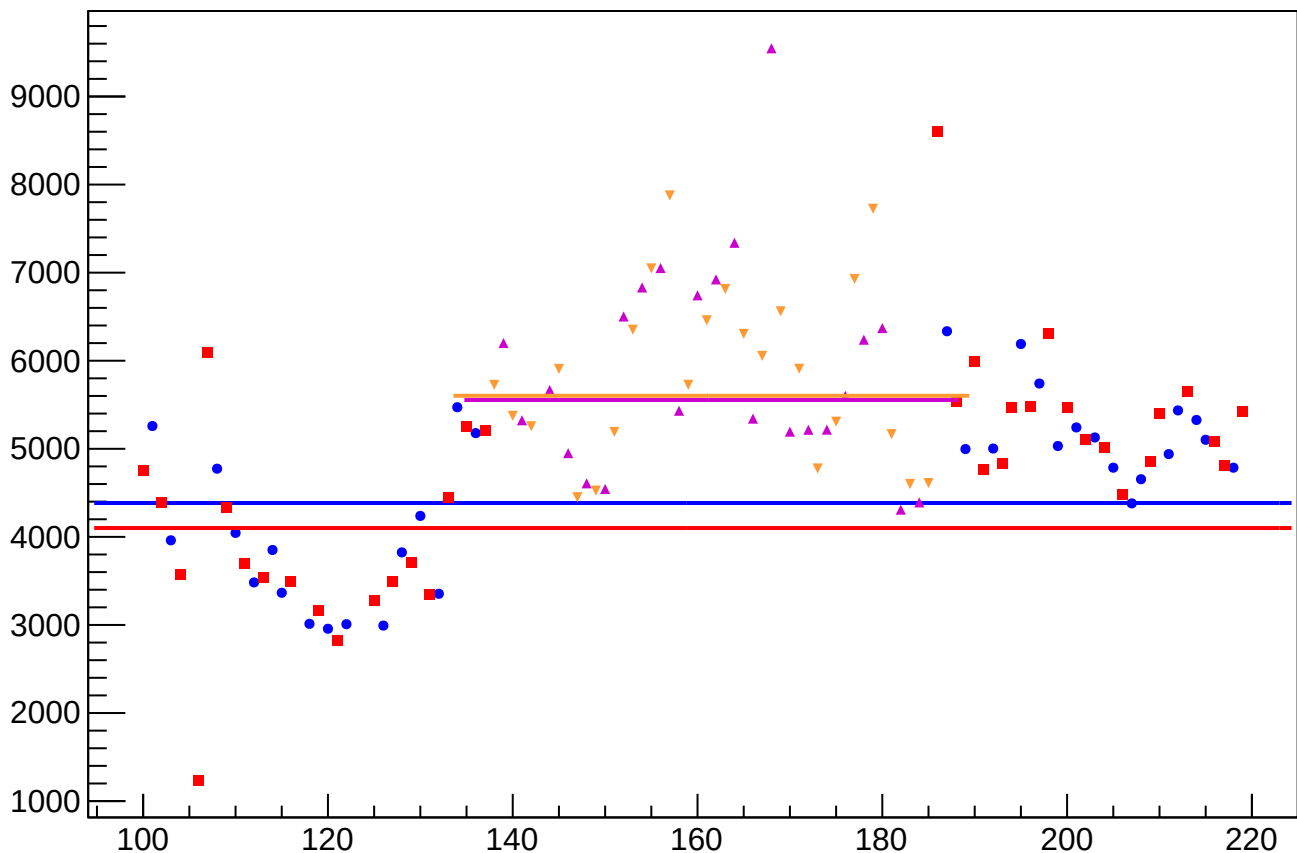
Left In: -2428.059 ± 1321.080 χ^2/NDF : 12.9/22

+ sign 2200.879 ± 797.948 χ^2/NDF : 65.5/55

All: 204.129 ± 561.522 χ^2/NDF : 160.5/114

- sign -1754.674 ± 790.330 χ^2/NDF : 82.6/58

asym_usl_atl2_avg_rms vs Slug



Right In: 4384.929+/-0.707 χ^2/NDF : 1702281.1/31

Left Out: 5602.266+/-0.936 χ^2/NDF : 940451.0/23

Right Out: 4100.570+/-0.666 χ^2/NDF : 4249971.4/35

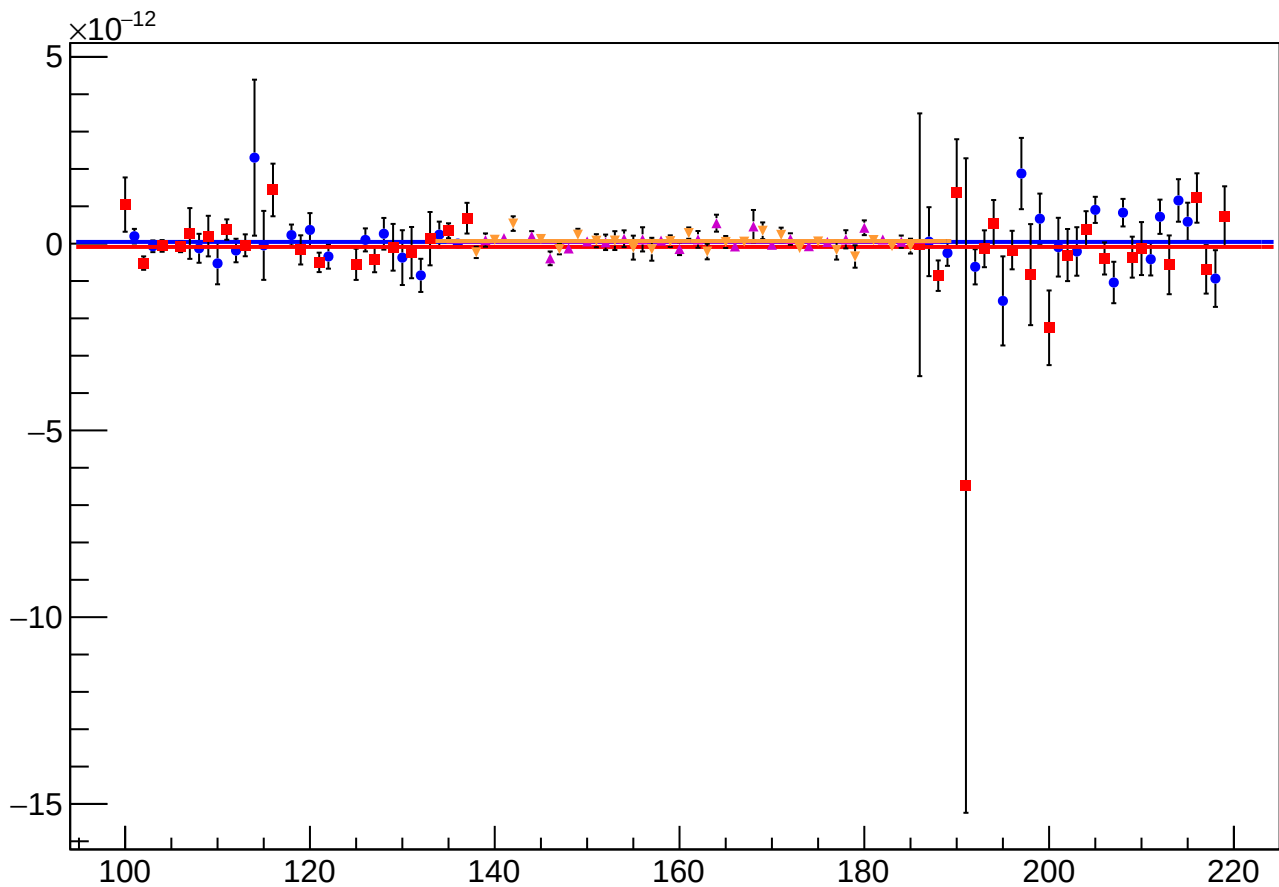
Left In: 5554.054+/-0.934 χ^2/NDF : 1112177.4/22

+ sign 4826.835+/-0.564 χ^2/NDF : 3719082.4/55

All: 4703.710+/-0.391 χ^2/NDF : 10778483.6/1

- sign 4590.056+/-0.542 χ^2/NDF : 6967827.5/58

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 45.1/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:28.3/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 48.7/35

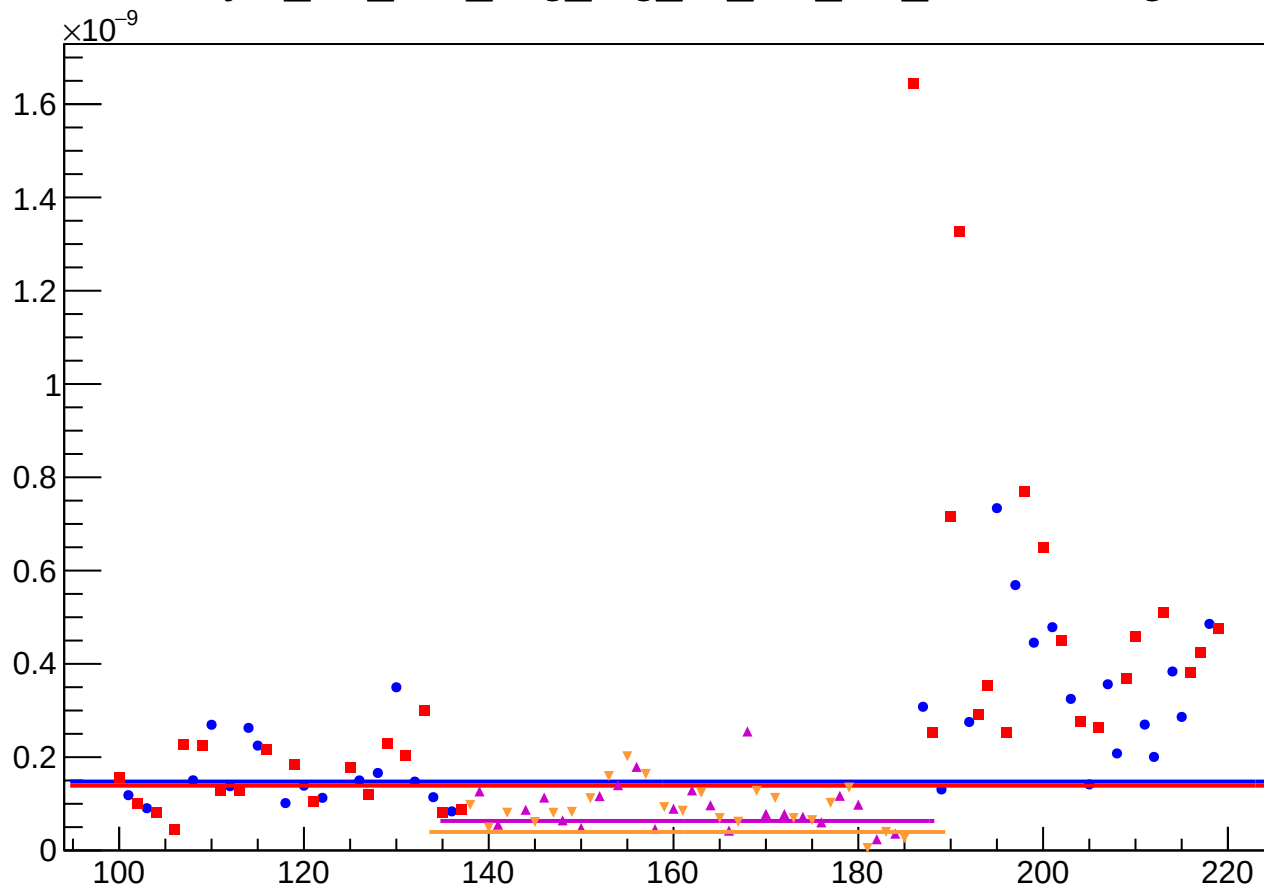
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:25.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 73.4/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 153.4/114

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 78.6/58

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4522422.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 7128723.6/35

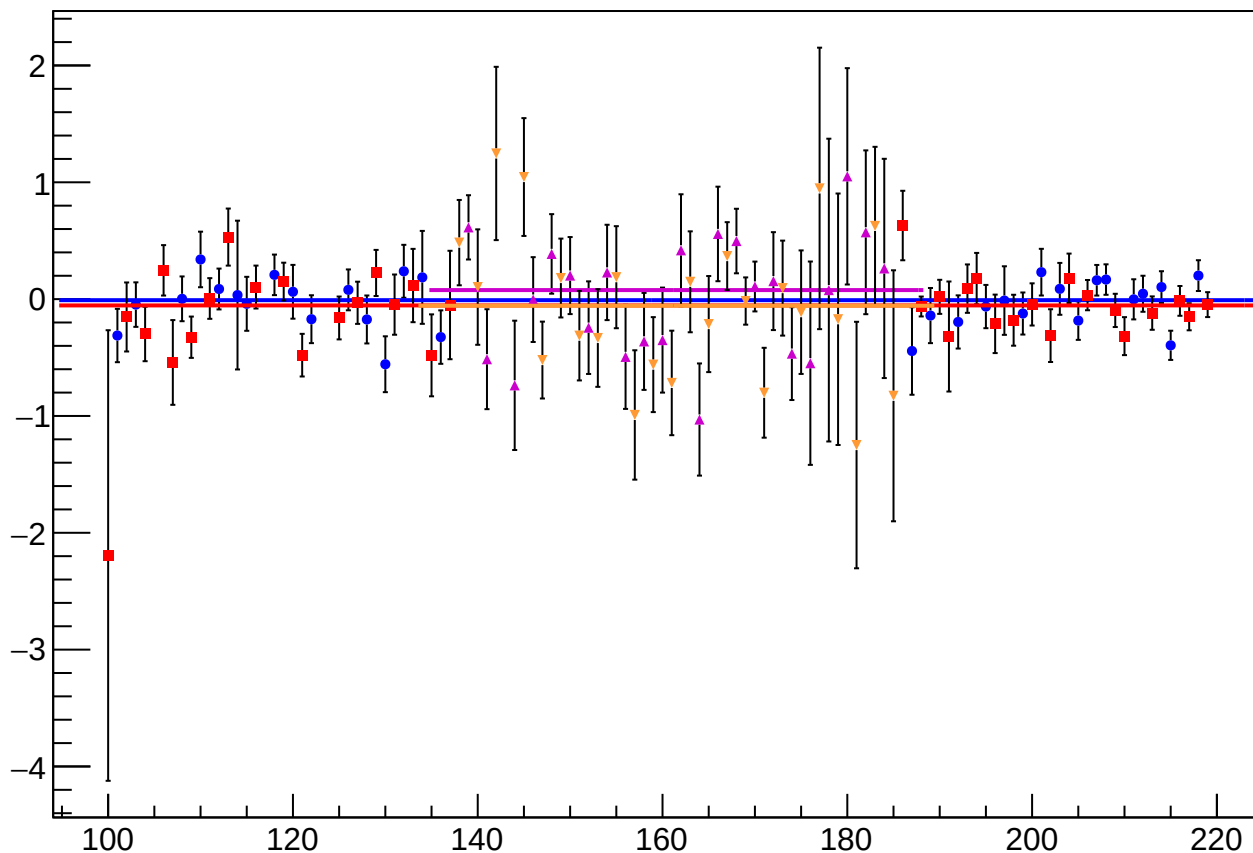
Left In: 0.000+/-0.000 χ^2/NDF : 2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 16885924.3/55

All: 0.000+/-0.000 χ^2/NDF : 30669938.8/114

- sign 0.000+/-0.000 χ^2/NDF : 12639838.6/58

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.009 ± 0.033 χ^2/NDF : 38.1/31

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.054 ± 0.030 χ^2/NDF : 41.2/35

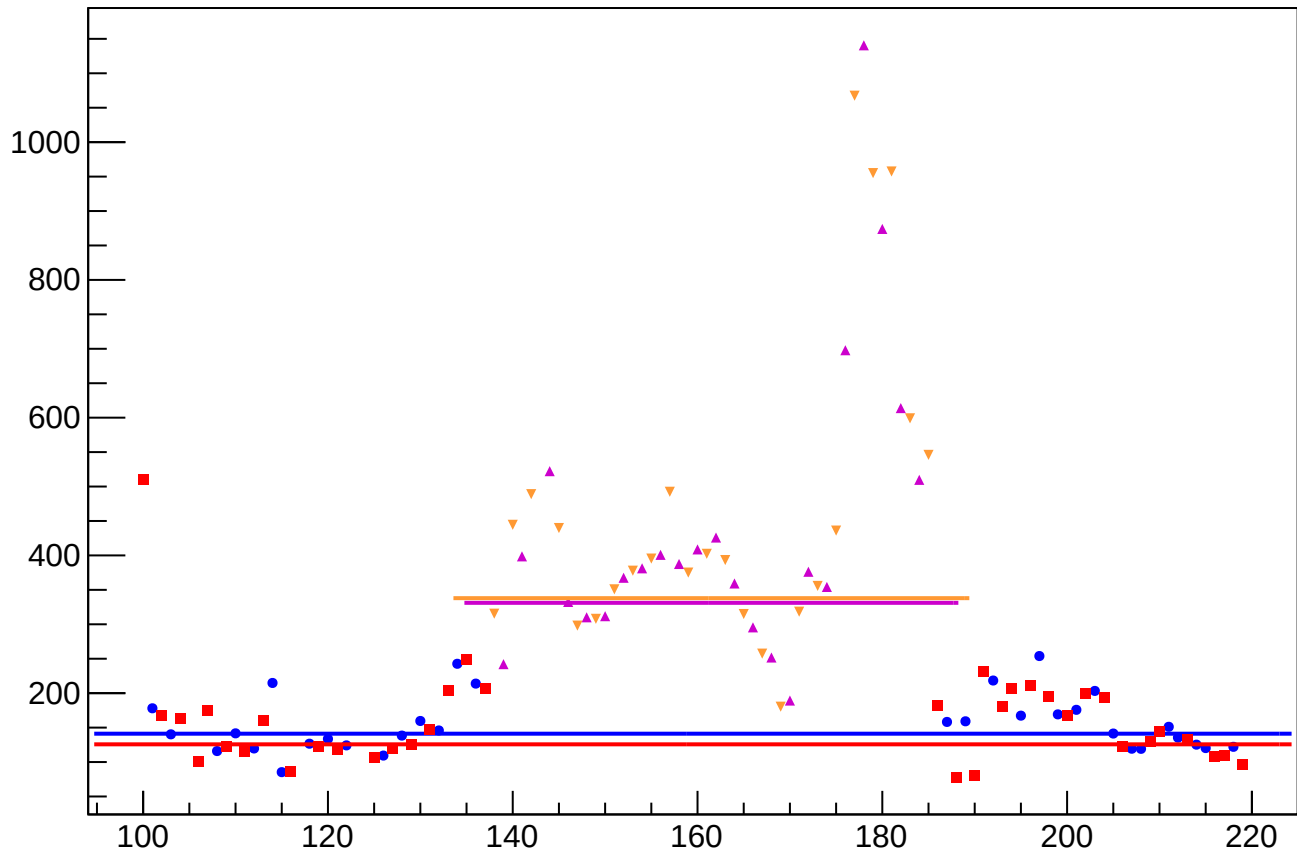
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.015 ± 0.031 χ^2/NDF : 68.7/55

All: -0.028 ± 0.021 χ^2/NDF : 139.5/114

- sign -0.039 ± 0.028 χ^2/NDF : 70.4/58

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 141.155+/-0.023 χ^2/NDF : 1795392.1/31

Left Out: 337.937+/-0.060 χ^2/NDF : 4517129.8/23

Right Out: 125.714+/-0.021 χ^2/NDF : 3503666.9/35

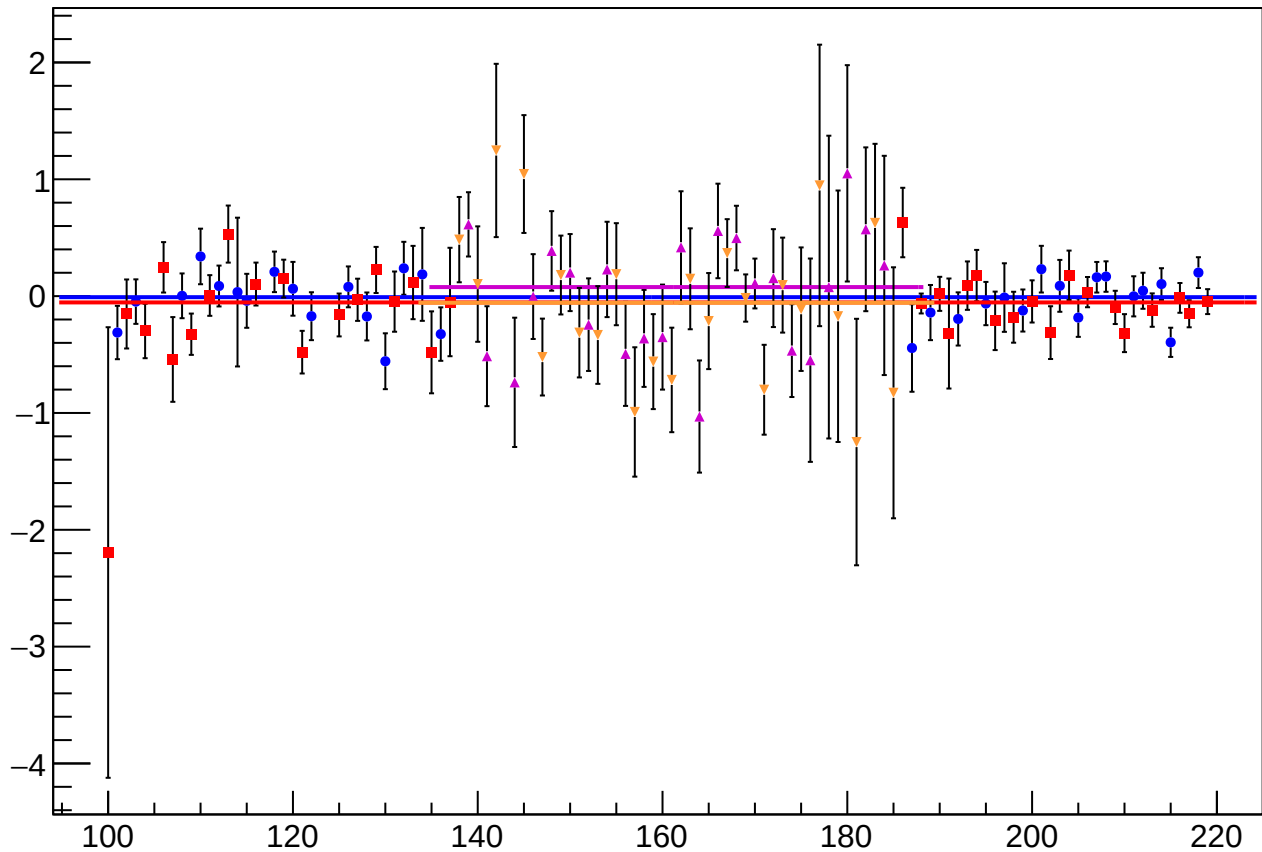
Left In: 331.158+/-0.059 χ^2/NDF : 4106959.8/22

+ sign 166.948+/-0.022 χ^2/NDF : 15526693.1/55

All: 156.928+/-0.015 χ^2/NDF : 34289442.6/100

- sign 148.759+/-0.020 χ^2/NDF : 18381994.1/58

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009 ± 0.033 χ^2/NDF : 38.1/31

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.054 ± 0.030 χ^2/NDF : 41.2/35

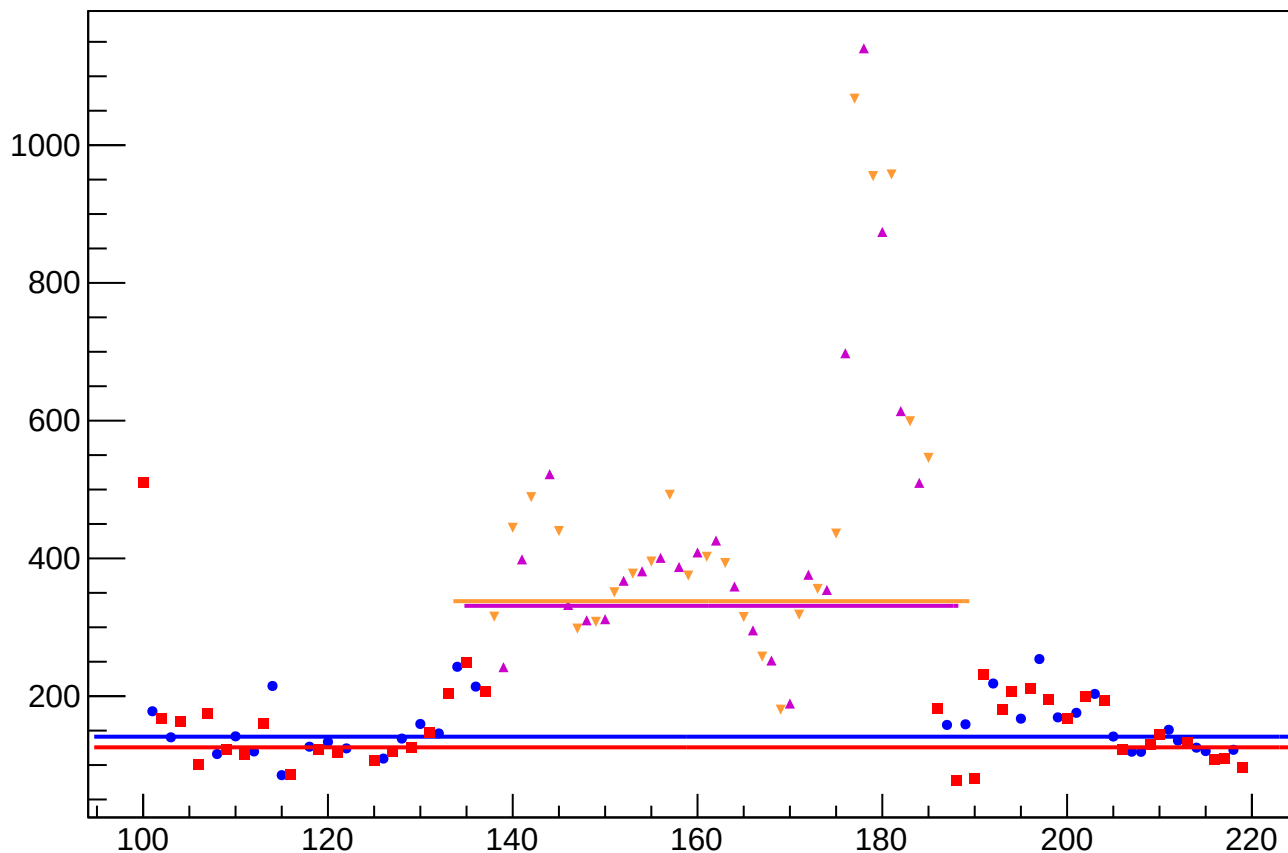
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.015 ± 0.031 χ^2/NDF : 68.7/55

All: -0.028 ± 0.021 χ^2/NDF : 139.5/114

- sign -0.039 ± 0.028 χ^2/NDF : 70.4/58

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 141.155+/-0.023 χ^2/NDF : 1795392.1/31

Left Out: 337.937+/-0.060 χ^2/NDF : 4517129.8/23

Right Out: 125.714+/-0.021 χ^2/NDF : 3503666.9/35

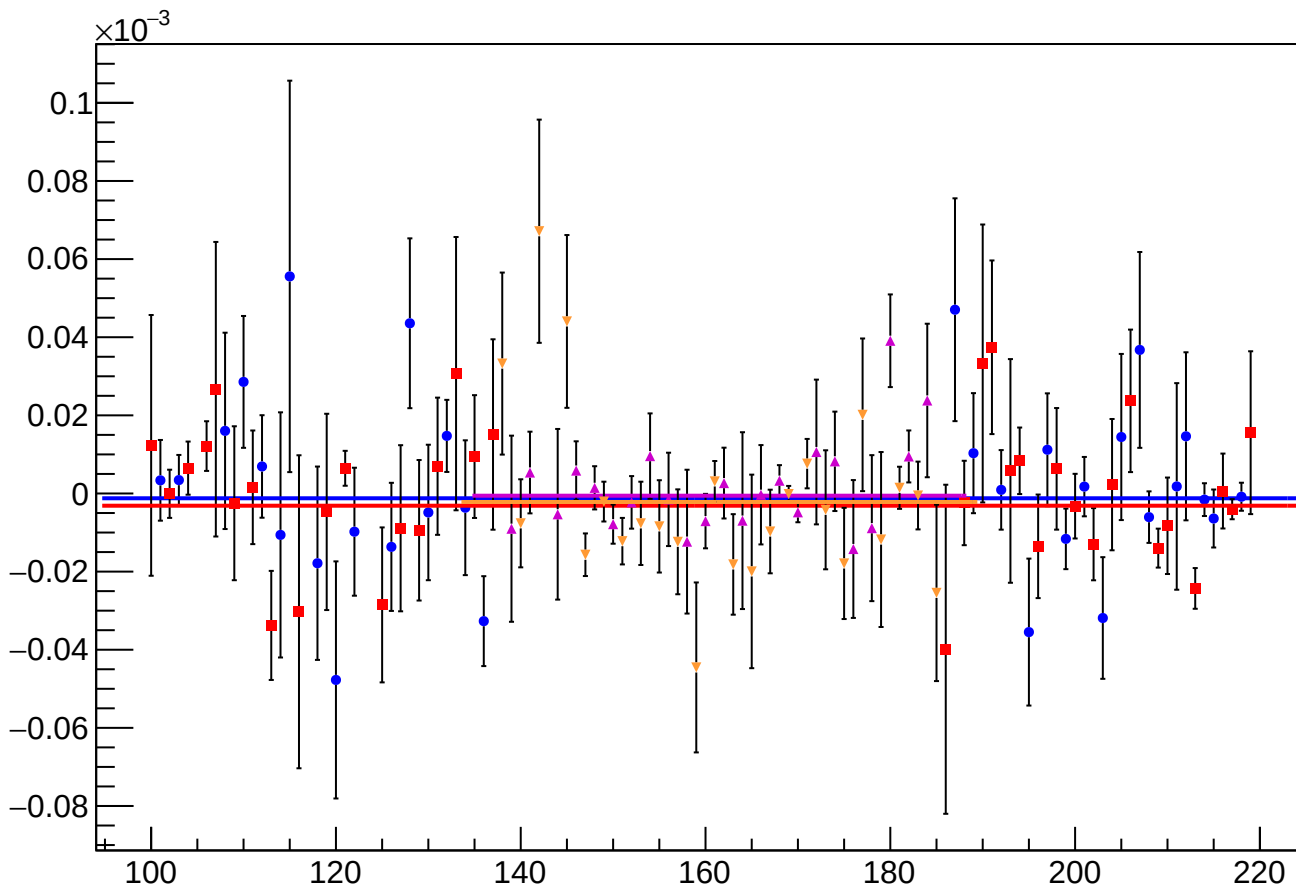
Left In: 331.158+/-0.059 χ^2/NDF : 4106959.8/22

+ sign 166.948+/-0.022 χ^2/NDF : 15526693.1/55

All: 156.928+/-0.015 χ^2/NDF : 34289442.6/1

- sign 148.759+/-0.020 χ^2/NDF : 18381994.1/58

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 42.3/31

Left Out: -0.000+/-0.000 χ^2/NDF : 37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF : 57.1/35

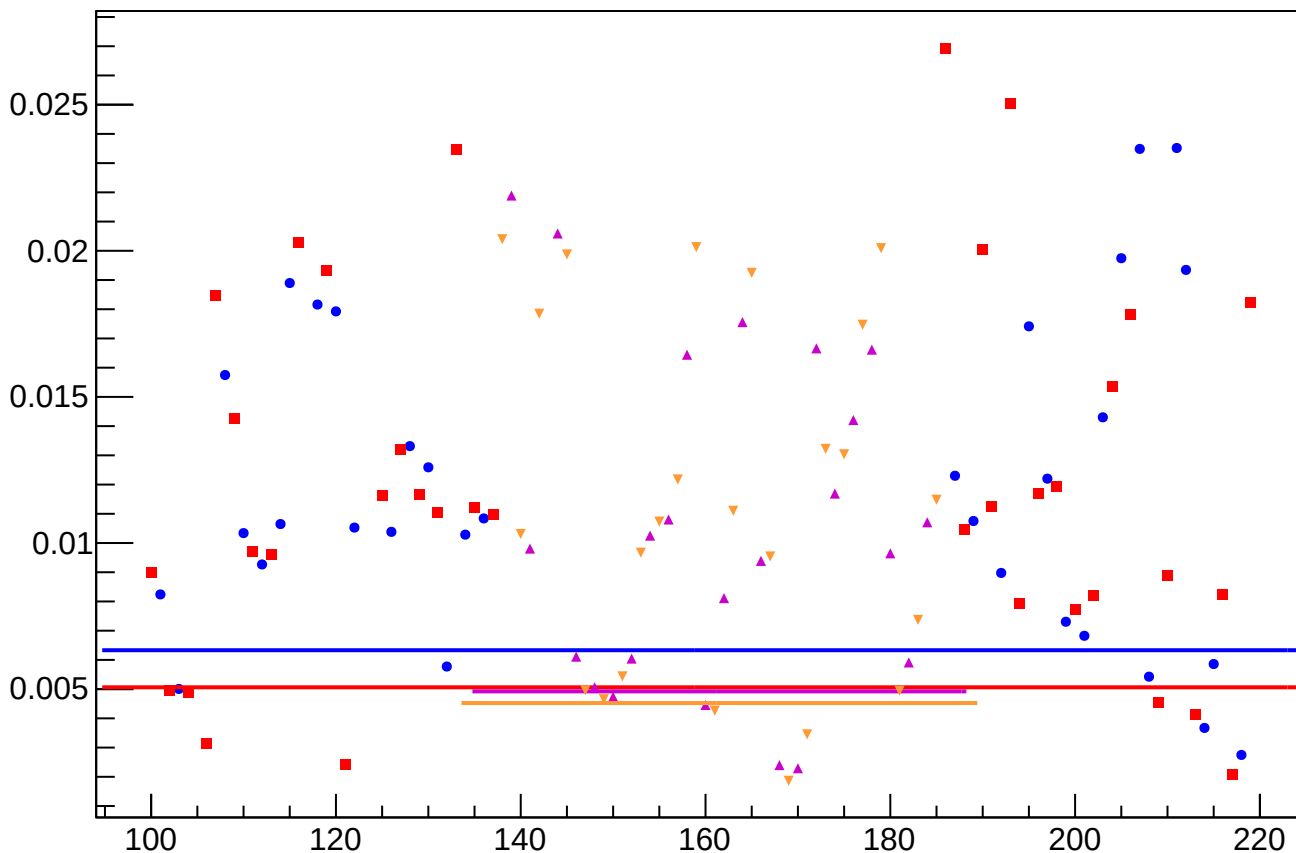
Left In: -0.000+/-0.000 χ^2/NDF : 26.2/22

+ sign -0.000+/-0.000 χ^2/NDF : 80.4/55

All: -0.000+/-0.000 χ^2/NDF : 165.2/114

- sign -0.000+/-0.000 χ^2/NDF : 84.8/58

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 10829717.3/31

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:14239550.6/23

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 14730882.3/35

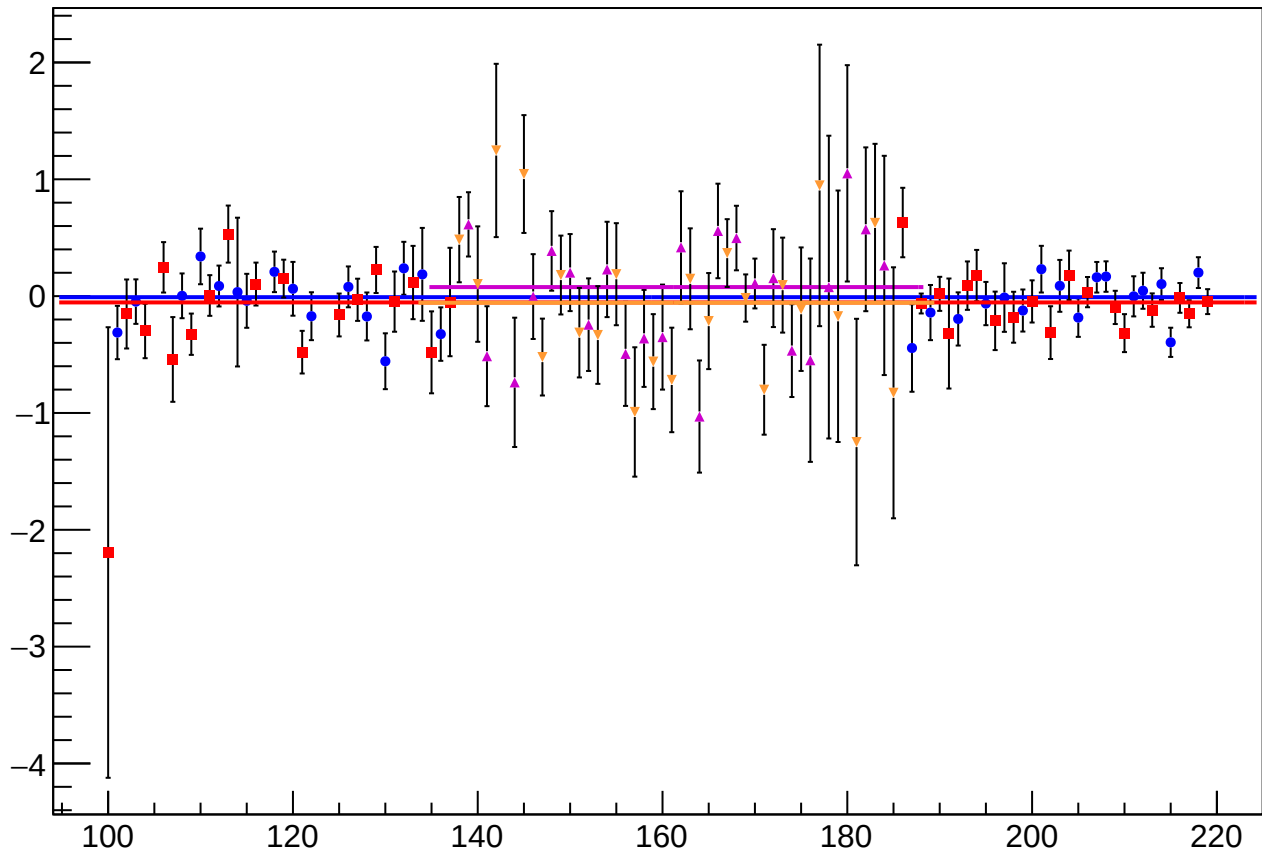
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:11626984.8/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 26373214.7/55

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 52789350.9/114

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 26366899.6/58

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.009 ± 0.033 χ^2/NDF : 38.1/31

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.054 ± 0.030 χ^2/NDF : 41.2/35

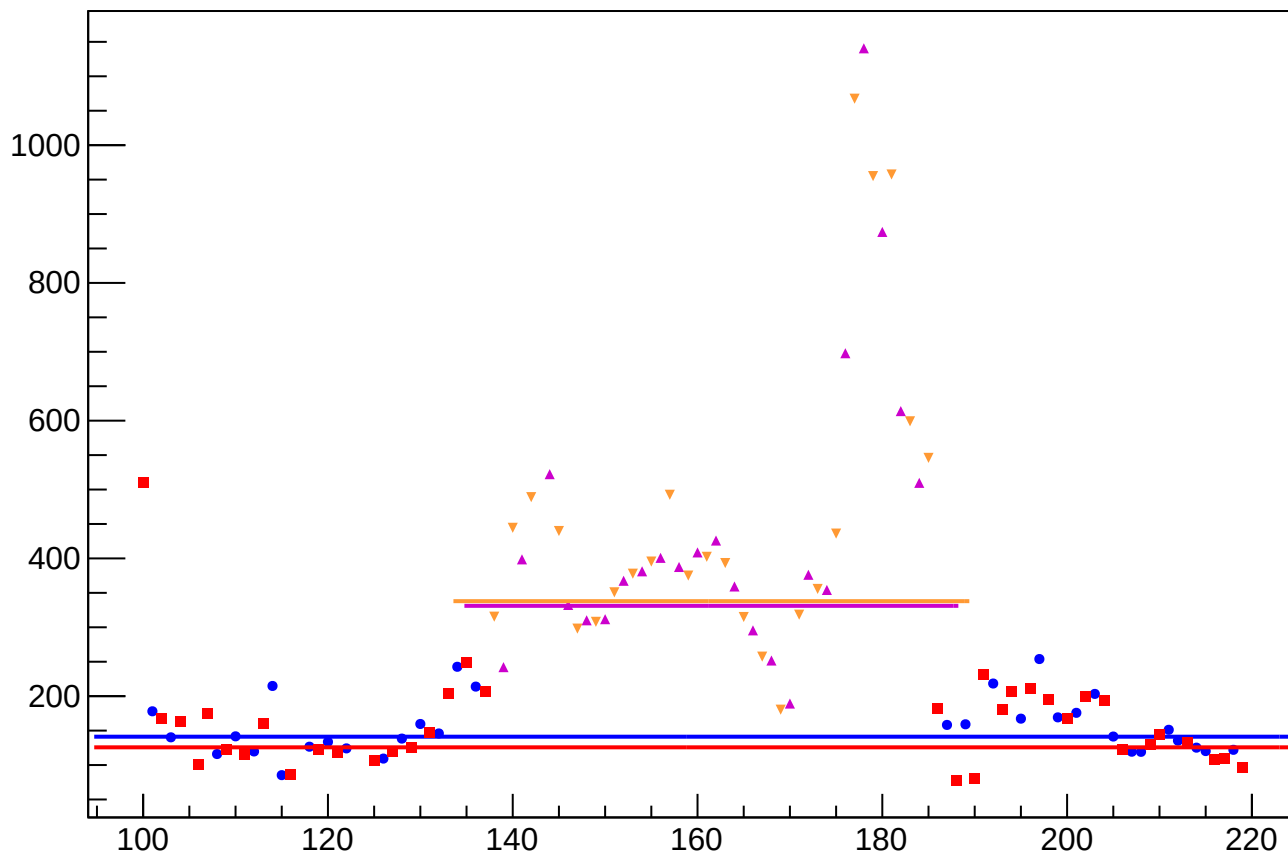
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.015 ± 0.031 χ^2/NDF : 68.7/55

All: -0.028 ± 0.021 χ^2/NDF : 139.5/114

- sign -0.039 ± 0.028 χ^2/NDF : 70.4/58

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 141.155+/-0.023 χ^2/NDF : 1795386.2/31

Left Out: 337.939+/-0.060 χ^2/NDF : 4517201.8/23

Right Out: 125.712+/-0.021 χ^2/NDF : 3503801.5/35

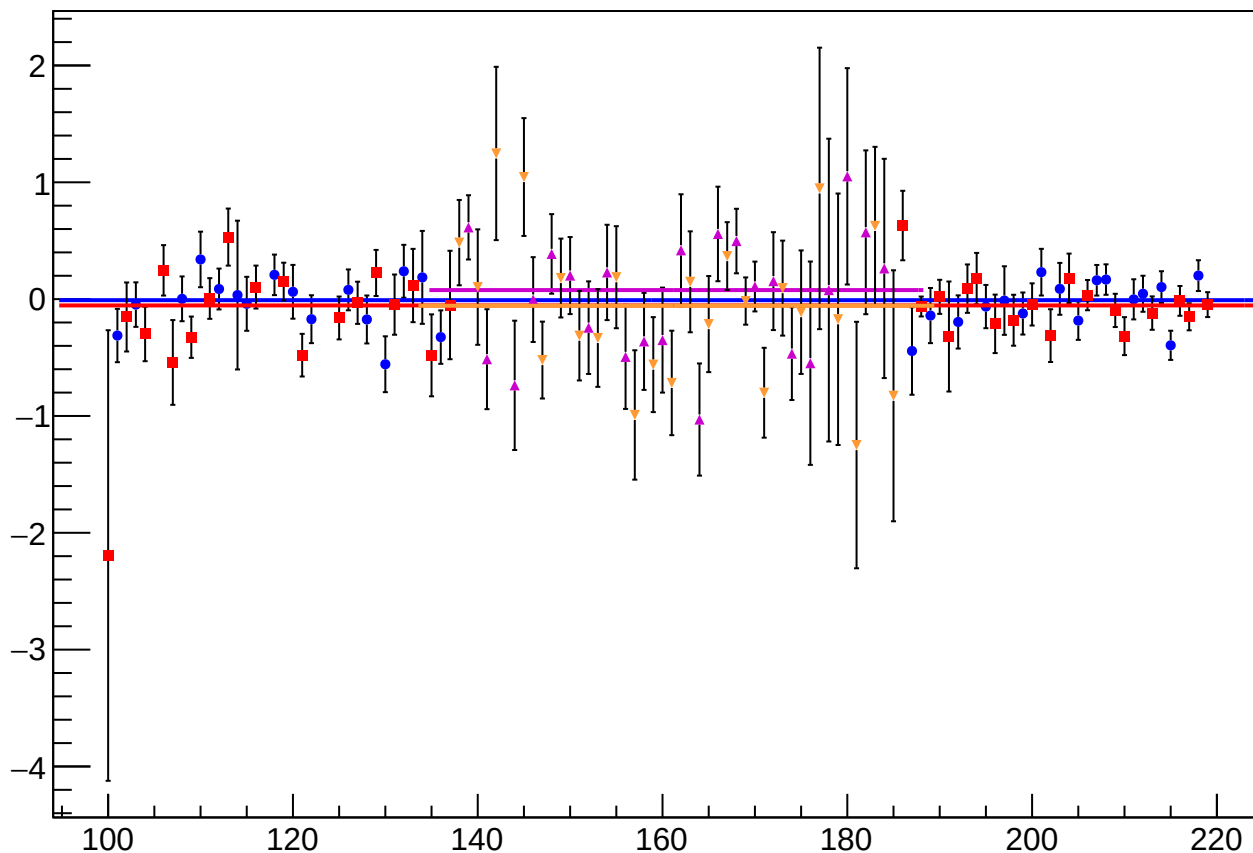
Left In: 331.161+/-0.059 χ^2/NDF : 4106963.1/22

+ sign 166.948+/-0.022 χ^2/NDF : 15526802.7/55

All: 156.928+/-0.015 χ^2/NDF : 34290025.0/11

- sign 148.758+/-0.020 χ^2/NDF : 18382399.2/58

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009 ± 0.033 χ^2/NDF : 38.1/31

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.054 ± 0.030 χ^2/NDF : 41.2/35

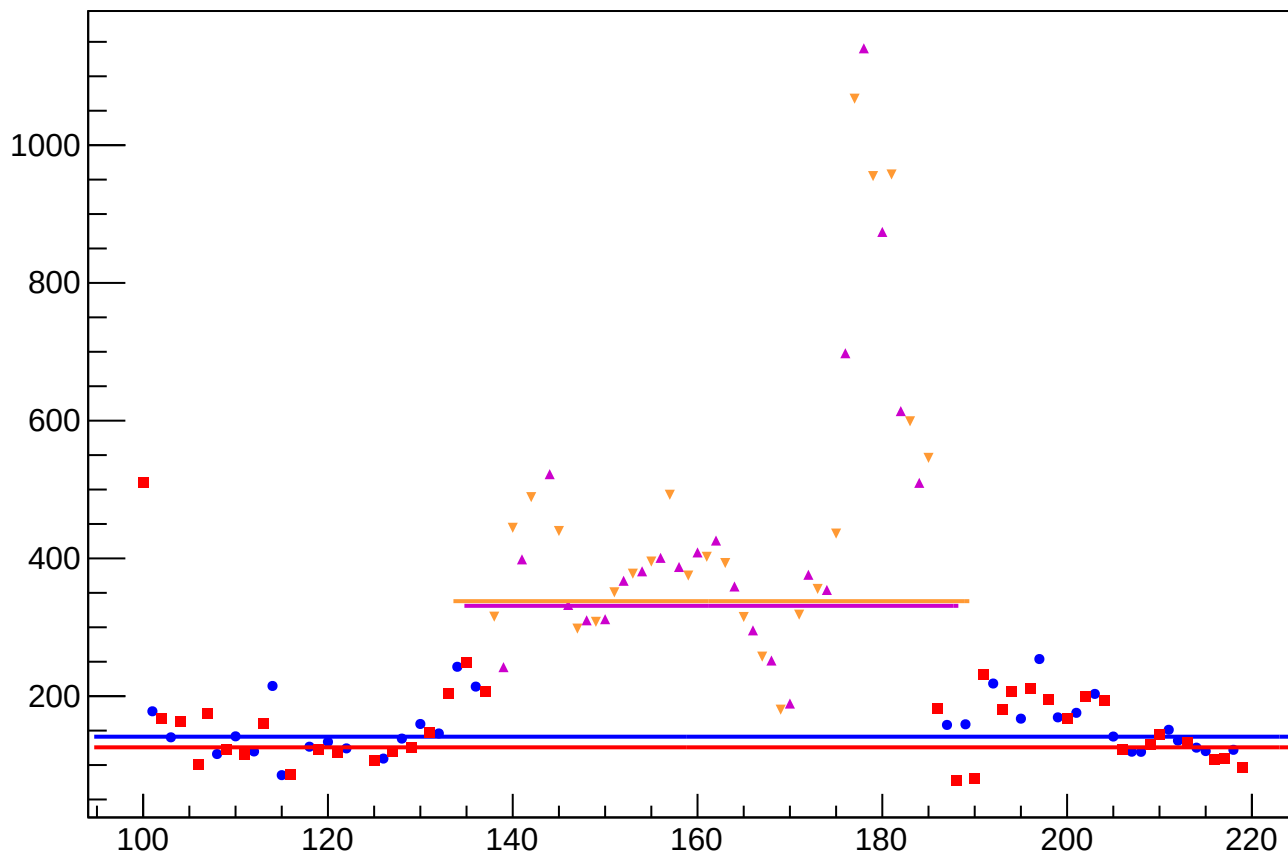
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.015 ± 0.031 χ^2/NDF : 68.7/55

All: -0.028 ± 0.021 χ^2/NDF : 139.5/114

- sign -0.039 ± 0.028 χ^2/NDF : 70.4/58

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 141.155+/-0.023 χ^2/NDF : 1795386.2/31

Left Out: 337.939+/-0.060 χ^2/NDF : 4517201.8/23

Right Out: 125.712+/-0.021 χ^2/NDF : 3503801.5/35

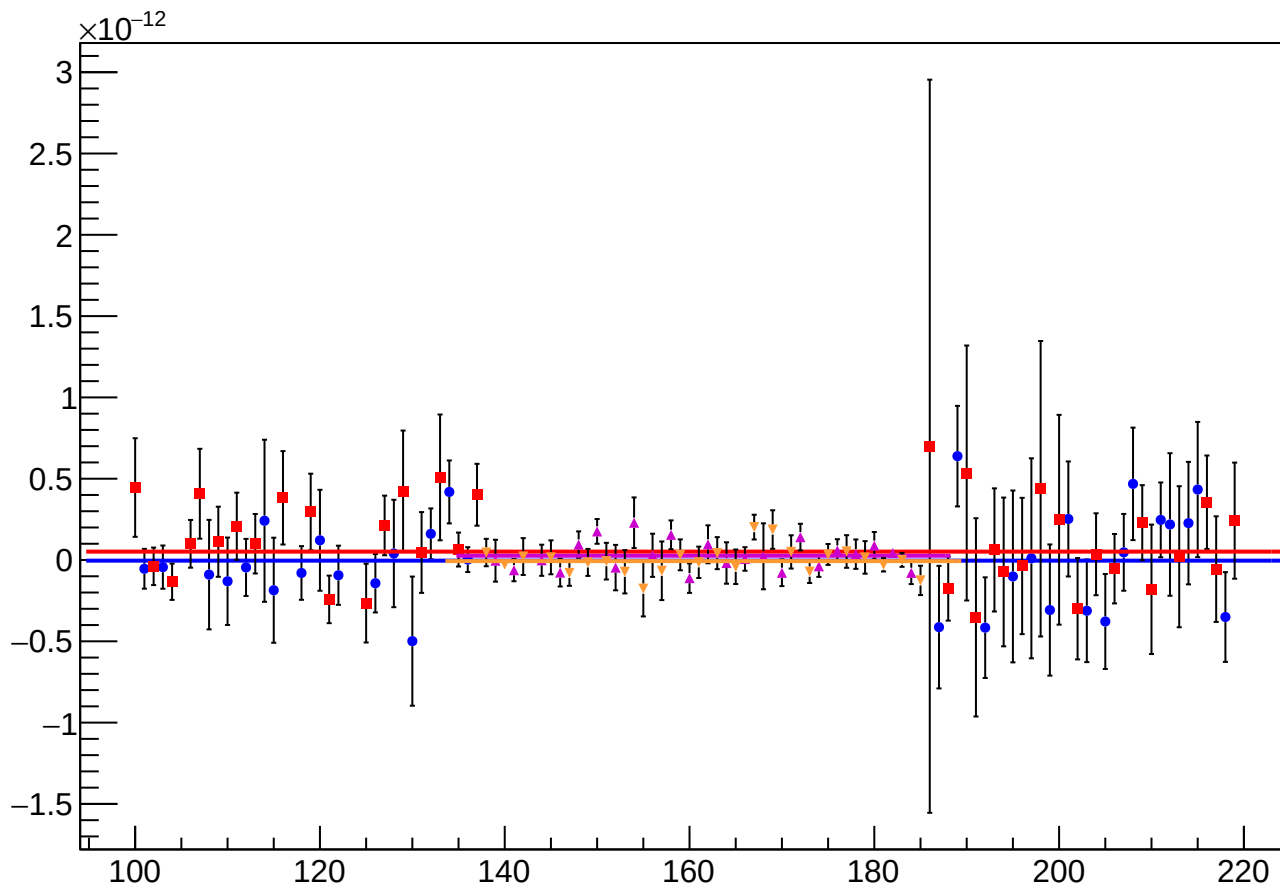
Left In: 331.161+/-0.059 χ^2/NDF : 4106963.1/22

+ sign 166.948+/-0.022 χ^2/NDF : 15526802.7/55

All: 156.928+/-0.015 χ^2/NDF : 34290025.0/1

- sign 148.758+/-0.020 χ^2/NDF : 18382399.2/58

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.2/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 18.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 28.8/35

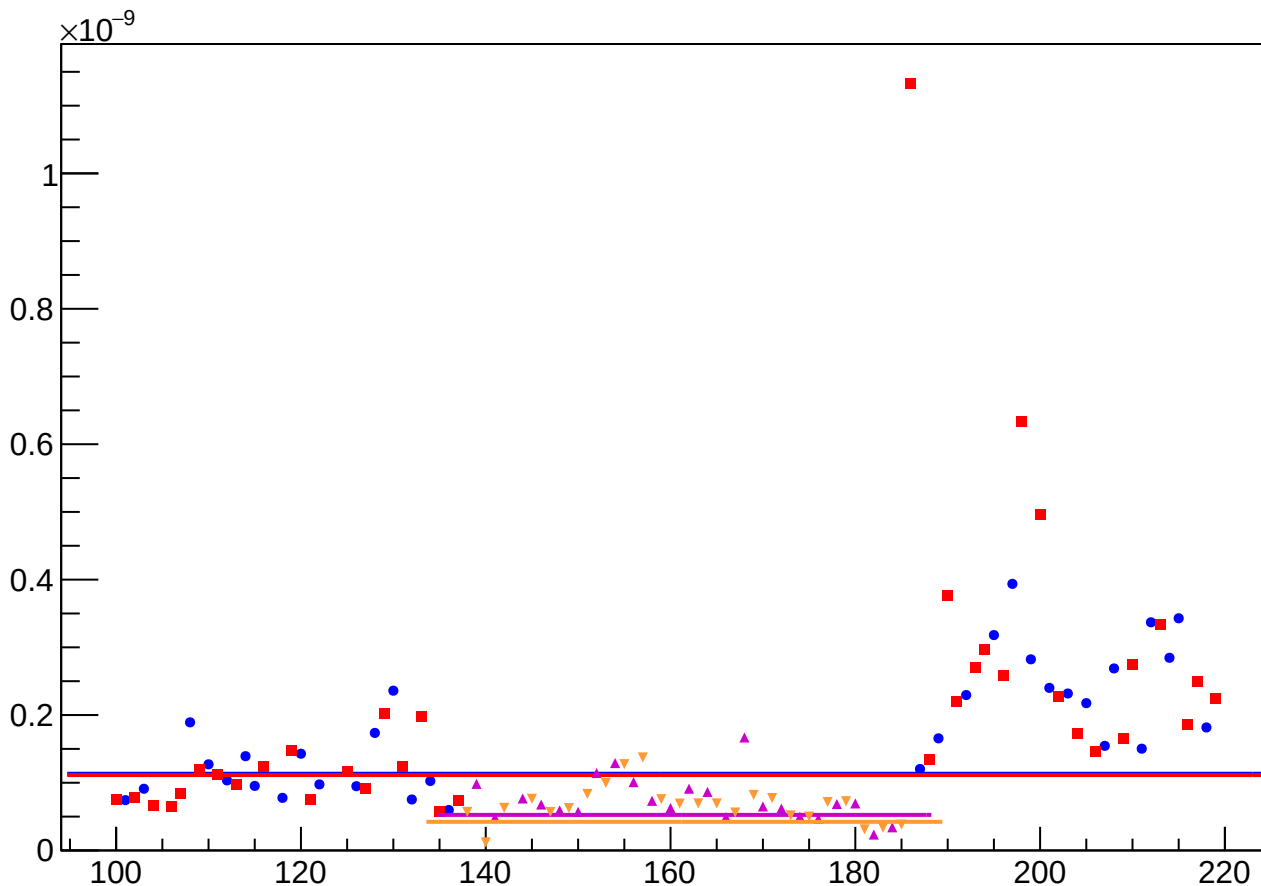
Left In: 0.000 ± 0.000 χ^2/NDF : 22.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 45.4/55

All: 0.000 ± 0.000 χ^2/NDF : 100.8/114

- sign 0.000 ± 0.000 χ^2/NDF : 52.0/58

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6278554.1/31

Left Out: 0.000+/-0.000 χ^2/NDF : 6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 6917797.9/35

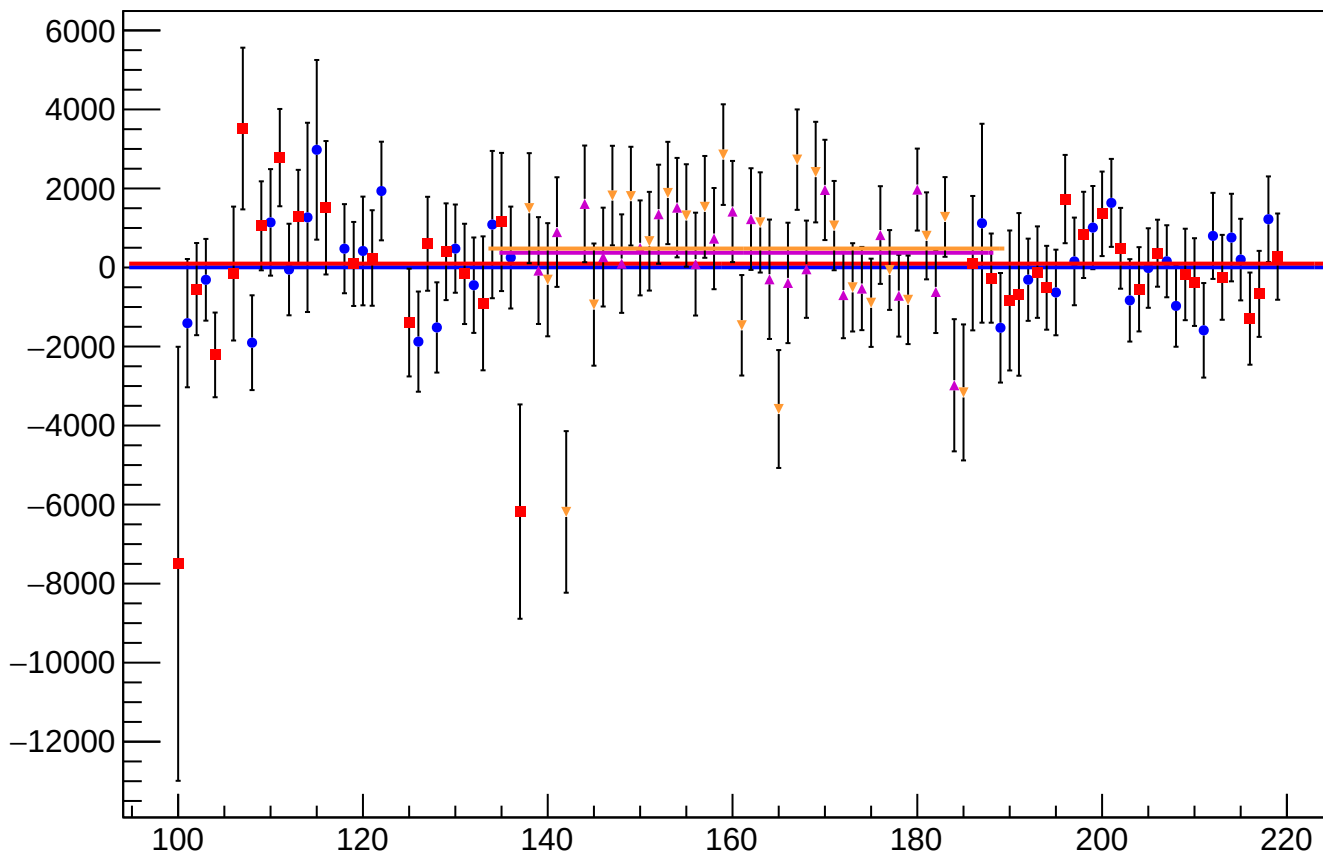
Left In: 0.000+/-0.000 χ^2/NDF : 4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 19134705.2/55

All: 0.000+/-0.000 χ^2/NDF : 35795314.6/114

- sign 0.000+/-0.000 χ^2/NDF : 16082196.9/58

reg_asym_usl_atl2_dd_mean vs Slug



Right In: 4.934 ± 210.503 χ^2/NDF : 24.0/31

Left Out: 479.555 ± 256.330 χ^2/NDF : 45.2/23

Right Out: 98.125 ± 206.015 χ^2/NDF : 32.2/35

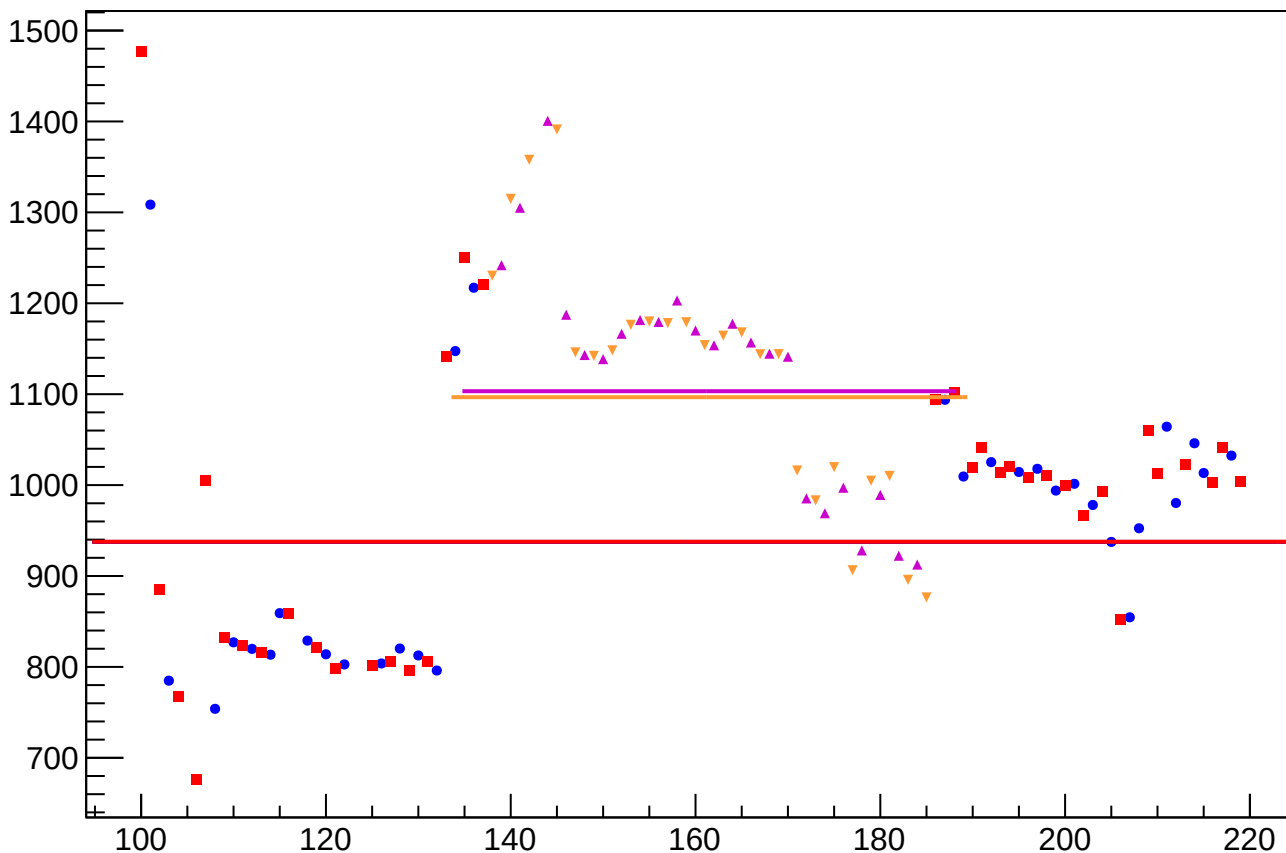
Left In: 372.926 ± 259.314 χ^2/NDF : 16.0/22

+ sign 196.098 ± 162.678 χ^2/NDF : 71.2/55

All: 200.313 ± 114.542 χ^2/NDF : 120.1/114

- sign 204.457 ± 161.306 χ^2/NDF : 48.9/58

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 937.481 ± 0.149 χ^2/NDF : 661141.7/31

Left Out: 1096.711 ± 0.181 χ^2/NDF : 480498.6/23

Right Out: 937.665 ± 0.145 χ^2/NDF : 692054.7/35

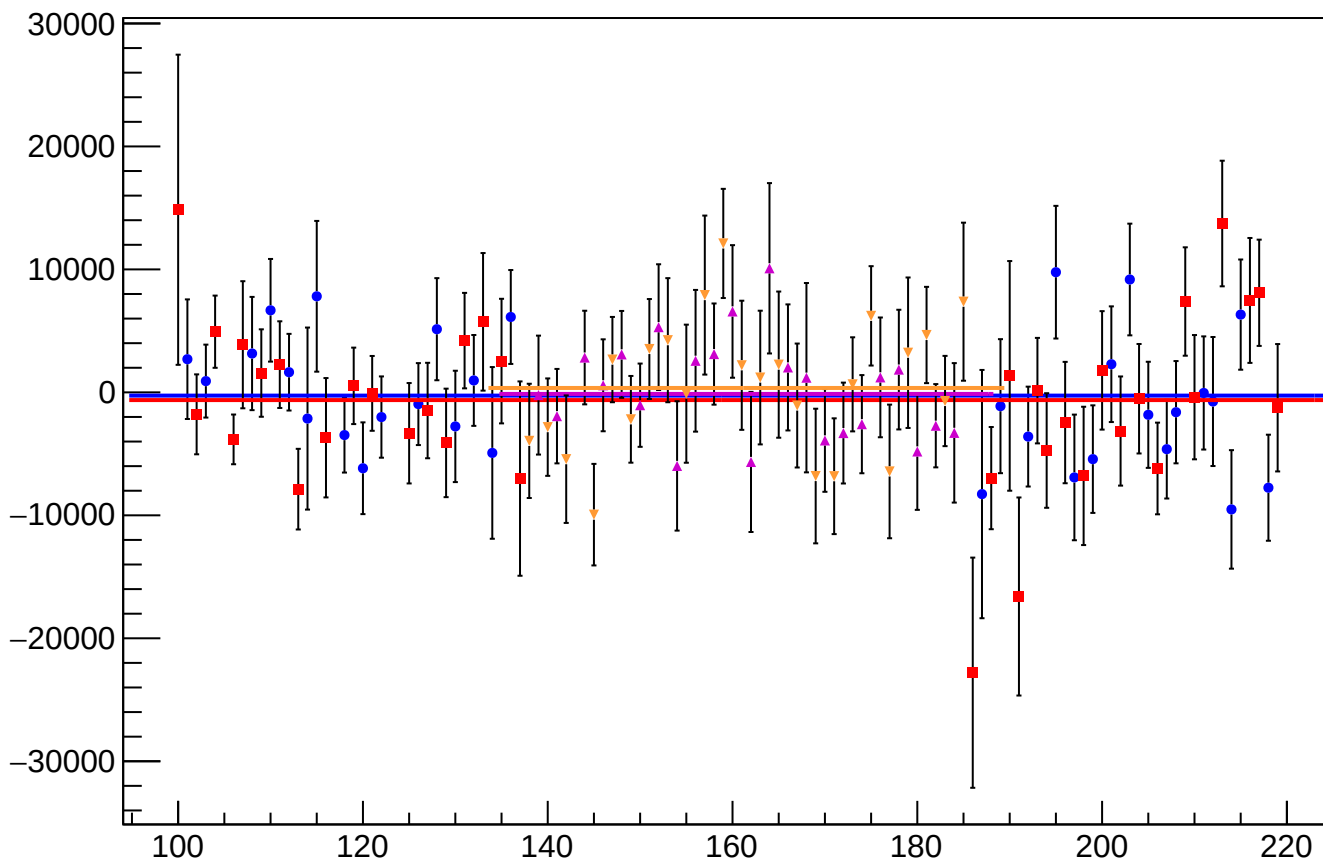
Left In: 1103.281 ± 0.183 χ^2/NDF : 447540.4/22

+ sign 1001.615 ± 0.115 χ^2/NDF : 1602556.4/55

All: 1001.479 ± 0.081 χ^2/NDF : 3244262.7/11

- sign 1001.346 ± 0.114 χ^2/NDF : 1641703.6/58

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: -263.988 ± 752.701 χ^2/NDF : 38.1/31

Left Out: 357.729 ± 934.220 χ^2/NDF : 30.3/23

Right Out: -627.790 ± 693.249 χ^2/NDF : 54.7/35

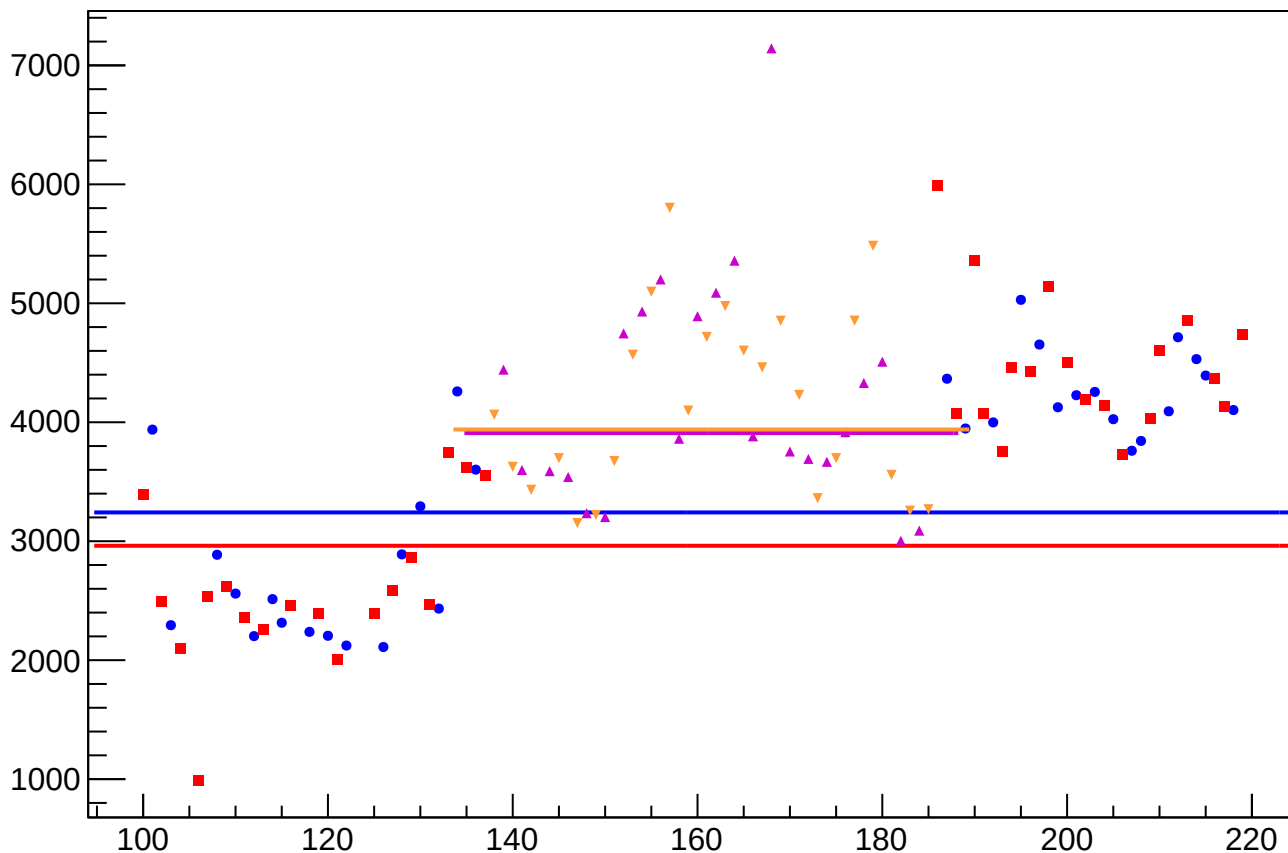
Left In: -126.696 ± 932.645 χ^2/NDF : 13.8/22

+ sign -19.262 ± 586.128 χ^2/NDF : 68.6/55

All: -245.554 ± 403.527 χ^2/NDF : 137.6/114

- sign -449.459 ± 556.380 χ^2/NDF : 68.6/58

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 3242.021+/-0.532 χ^2/NDF : 3090398.5/31

Left Out: 3939.261+/-0.661 χ^2/NDF :1092666.9/23

Right Out: 2961.645+/-0.490 χ^2/NDF : 5761764.6/35

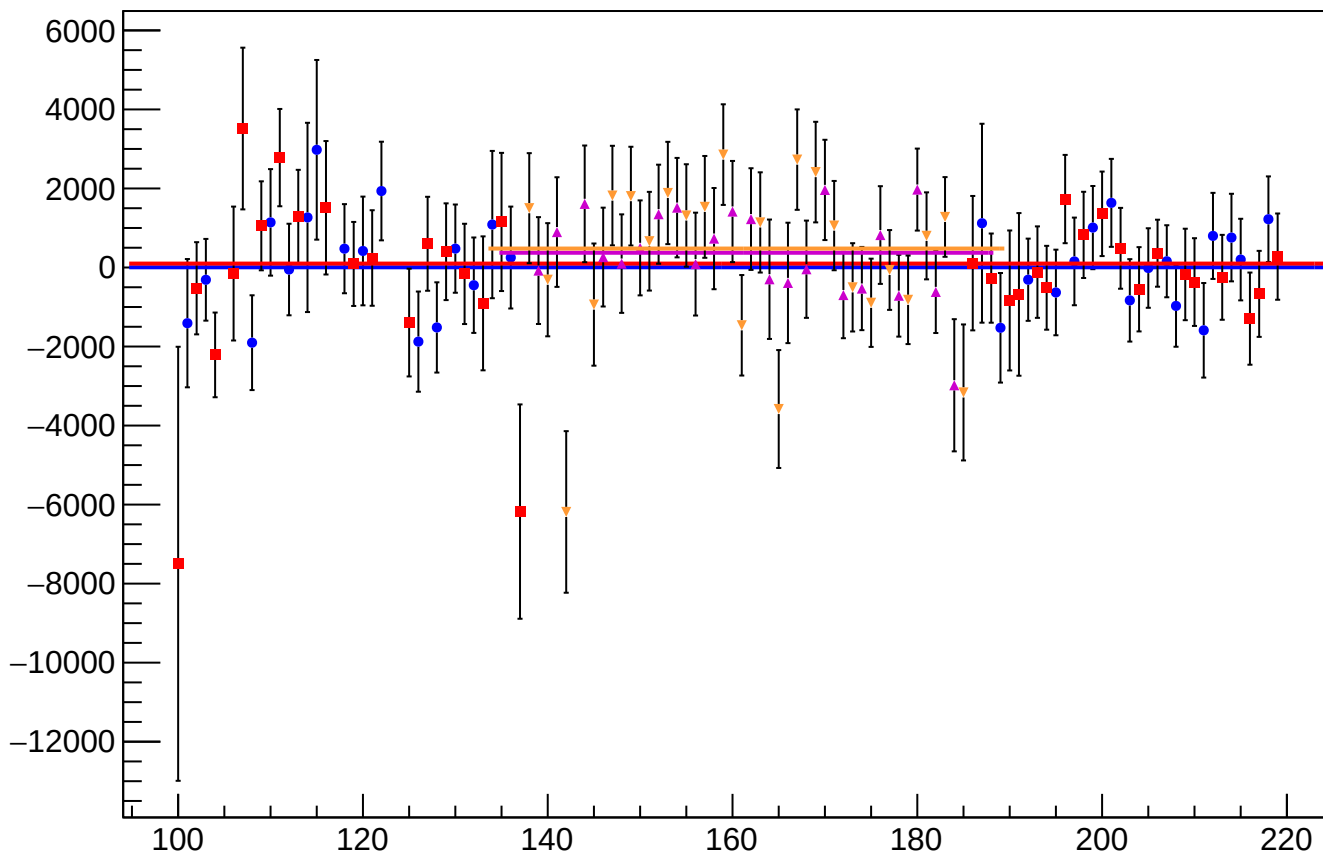
Left In: 3909.133+/-0.659 χ^2/NDF :1300774.2/22

+ sign 3516.474+/-0.414 χ^2/NDF : 4858582.1/55

All: 3401.995+/-0.285 χ^2/NDF : 13395724.9/1

- sign 3298.841+/-0.393 χ^2/NDF : 8392100.3/58

cor_asym_usl_atl2_dd_mean vs Slug



Right In: 4.936 ± 210.503 χ^2/NDF : 24.0/31

Left Out: 479.583 ± 256.330 χ^2/NDF : 45.2/23

Right Out: 98.812 ± 206.017 χ^2/NDF : 32.2/35

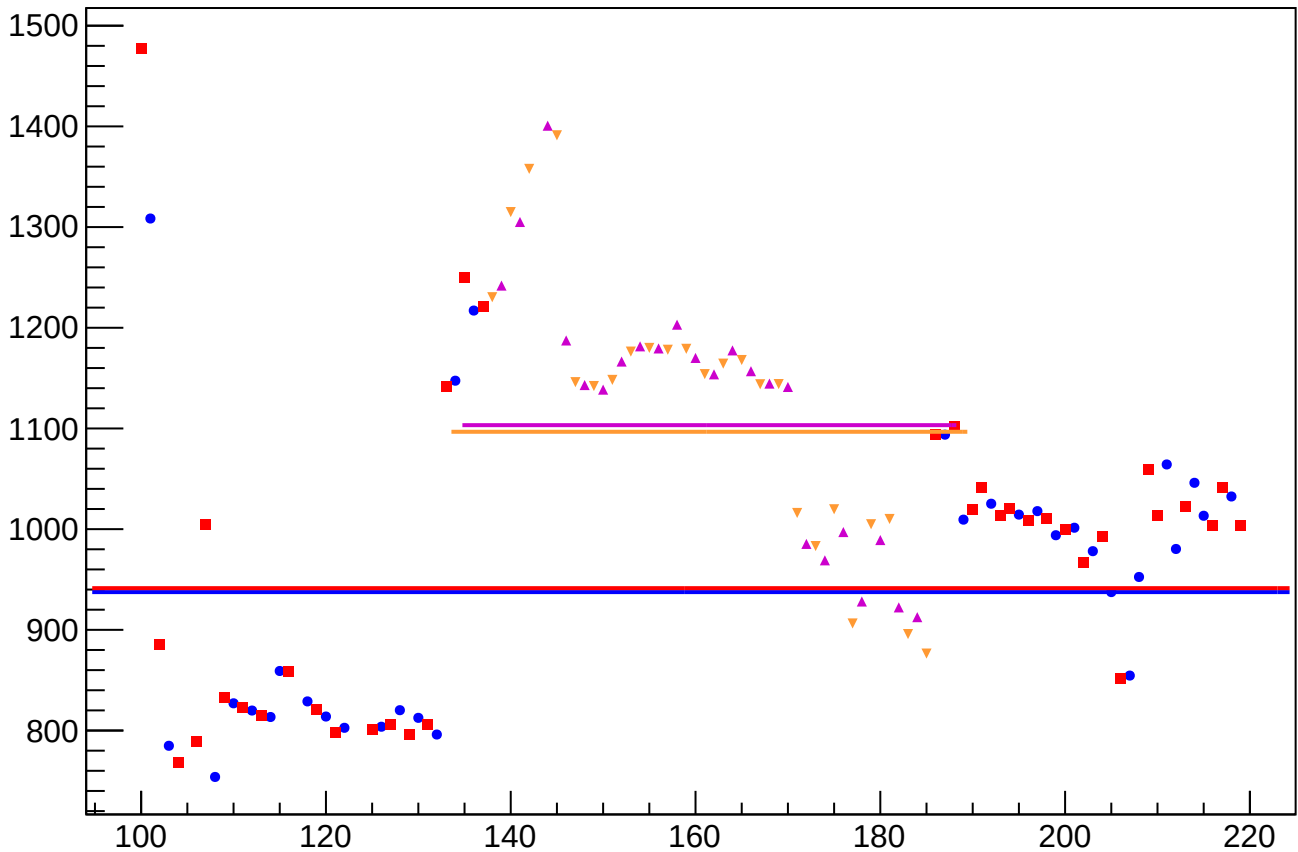
Left In: 372.901 ± 259.314 χ^2/NDF : 16.0/22

+ sign 196.110 ± 162.678 χ^2/NDF : 71.2/55

All: 200.527 ± 114.543 χ^2/NDF : 120.1/114

- sign 204.870 ± 161.306 χ^2/NDF : 48.9/58

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 937.481 $\pm$ 0.149 χ^2 /NDF: 661141.5/31

Left Out: 1096.711 $\pm$ 0.181 χ^2 /NDF: 480498.6/23

Right Out: 941.401 $\pm$ 0.145 χ^2 /NDF: 630006.0/35

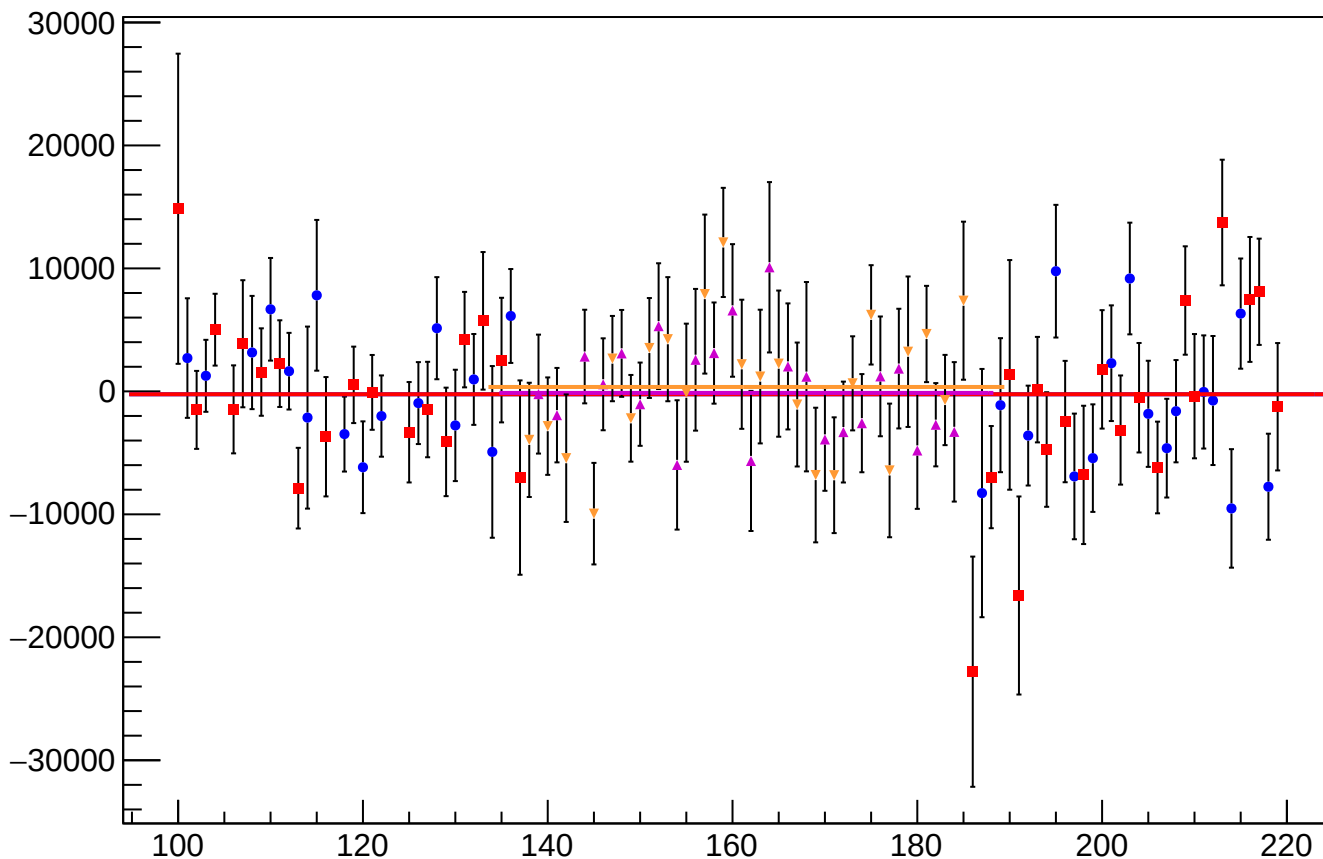
Left In: 1103.281 $\pm$ 0.183 χ^2 /NDF: 447540.3/22

+ sign 1001.615 $\pm$ 0.115 χ^2 /NDF: 1602556.4/55

All: 1002.757 $\pm$ 0.081 χ^2 /NDF: 3158900.9/11

- sign 1003.876 $\pm$ 0.114 χ^2 /NDF: 1556149.3/58

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: -238.757 ± 752.053 χ^2/NDF : 38.2/31

Left Out: 357.728 ± 934.221 χ^2/NDF : 30.3/23

Right Out: -234.294 ± 721.645 χ^2/NDF : 52.0/35

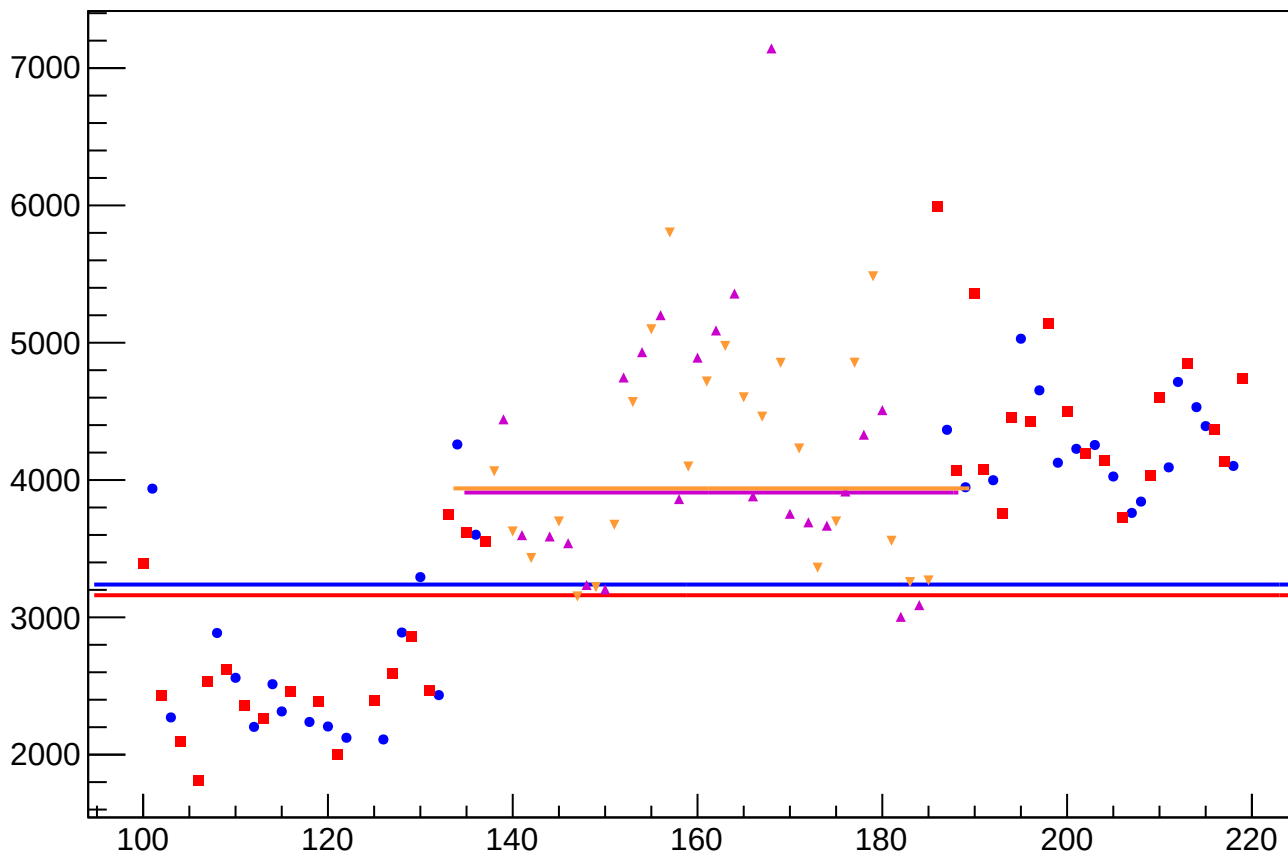
Left In: -126.635 ± 932.644 χ^2/NDF : 13.8/22

+ sign -4.209 ± 585.822 χ^2/NDF : 68.7/55

All: -101.567 ± 408.802 χ^2/NDF : 134.6/114

- sign -193.976 ± 570.741 χ^2/NDF : 65.8/58

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 3238.860+/-0.532 χ^2/NDF : 3106046.6/31

Left Out: 3939.266+/-0.661 χ^2/NDF : 1092657.5/23

Right Out: 3161.051+/-0.510 χ^2/NDF : 3927662.7/35

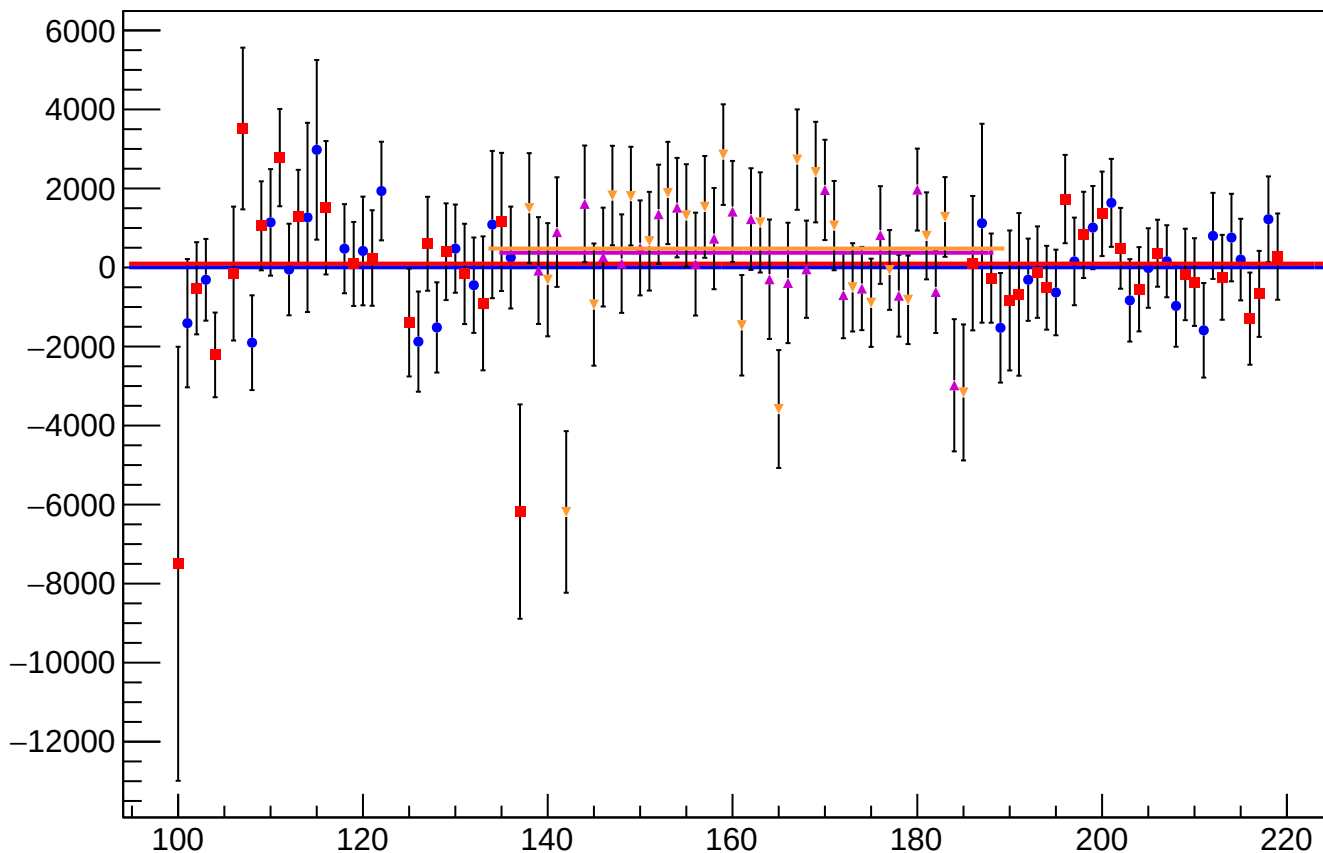
Left In: 3909.128+/-0.659 χ^2/NDF : 1300782.7/22

+ sign 3514.271+/-0.414 χ^2/NDF : 4880829.9/55

All: 3476.784+/-0.289 χ^2/NDF : 10930098.8/100

- sign 3441.202+/-0.404 χ^2/NDF : 6033306.0/58

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: 4.936 ± 210.503 χ^2/NDF : 24.0/31

Left Out: 479.583 ± 256.330 χ^2/NDF : 45.2/23

Right Out: 98.812 ± 206.017 χ^2/NDF : 32.2/35

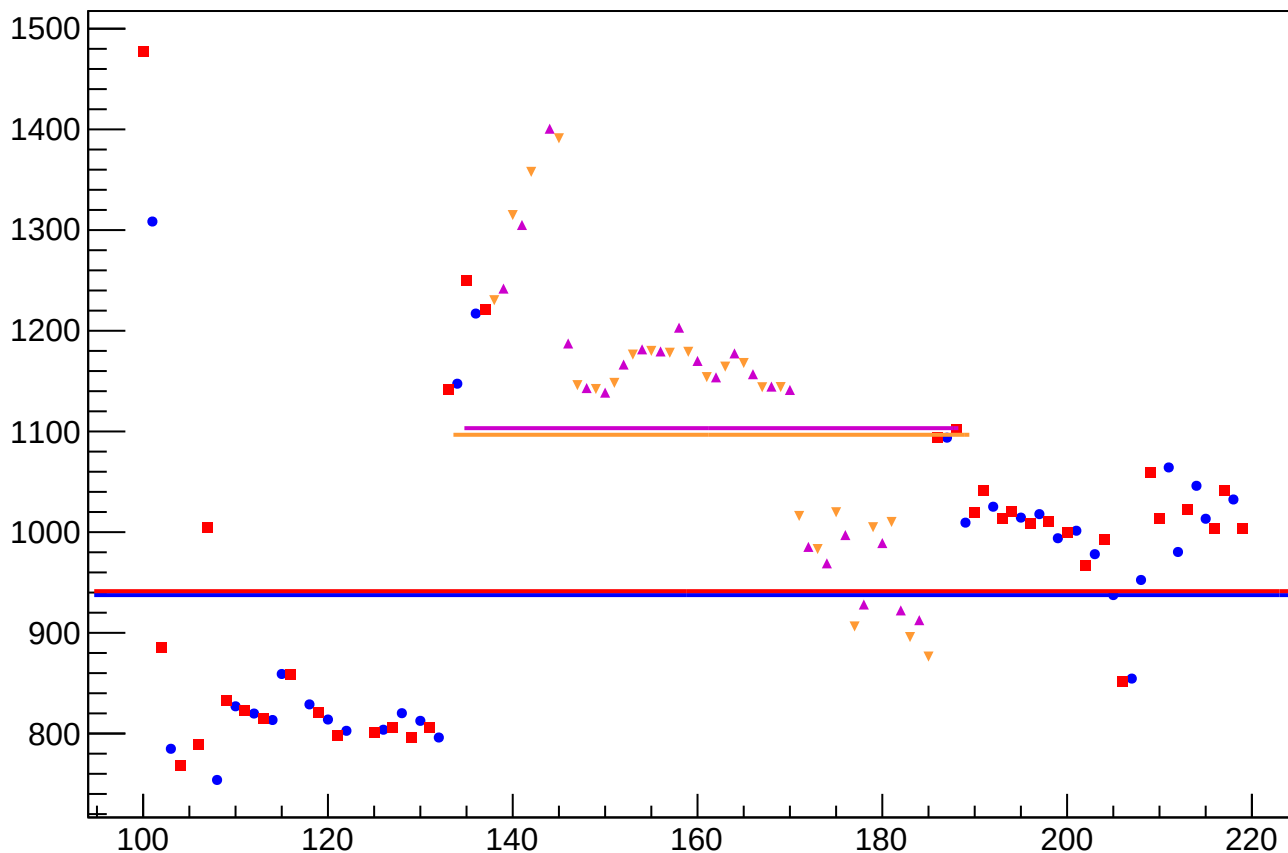
Left In: 372.901 ± 259.314 χ^2/NDF : 16.0/22

+ sign 196.110 ± 162.678 χ^2/NDF : 71.2/55

All: 200.527 ± 114.543 χ^2/NDF : 120.1/114

- sign 204.870 ± 161.306 χ^2/NDF : 48.9/58

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 937.481+/-0.149 χ^2/NDF : 661141.5/31

Left Out: 1096.711+/-0.181 χ^2/NDF : 480498.6/23

Right Out: 941.401+/-0.145 χ^2/NDF : 630006.0/35

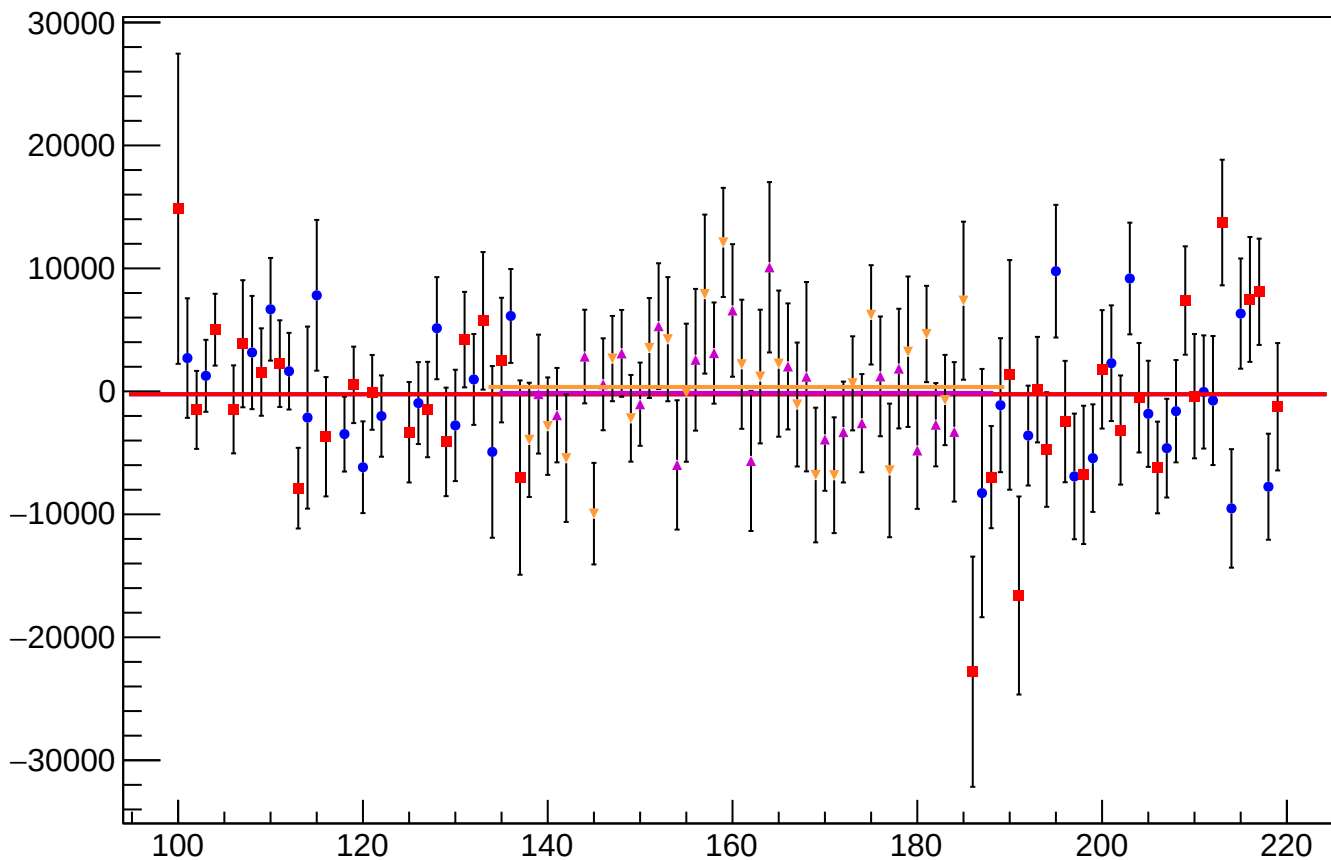
Left In: 1103.281+/-0.183 χ^2/NDF : 447540.3/22

+ sign 1001.615+/-0.115 χ^2/NDF : 1602556.4/55

All: 1002.757+/-0.081 χ^2/NDF : 3158900.9/11

- sign 1003.876+/-0.114 χ^2/NDF : 1556149.3/58

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug



Right In: -238.757 ± 752.053 χ^2/NDF : 38.2/31

Left Out: 357.728 ± 934.221 χ^2/NDF : 30.3/23

Right Out: -234.294 ± 721.645 χ^2/NDF : 52.0/35

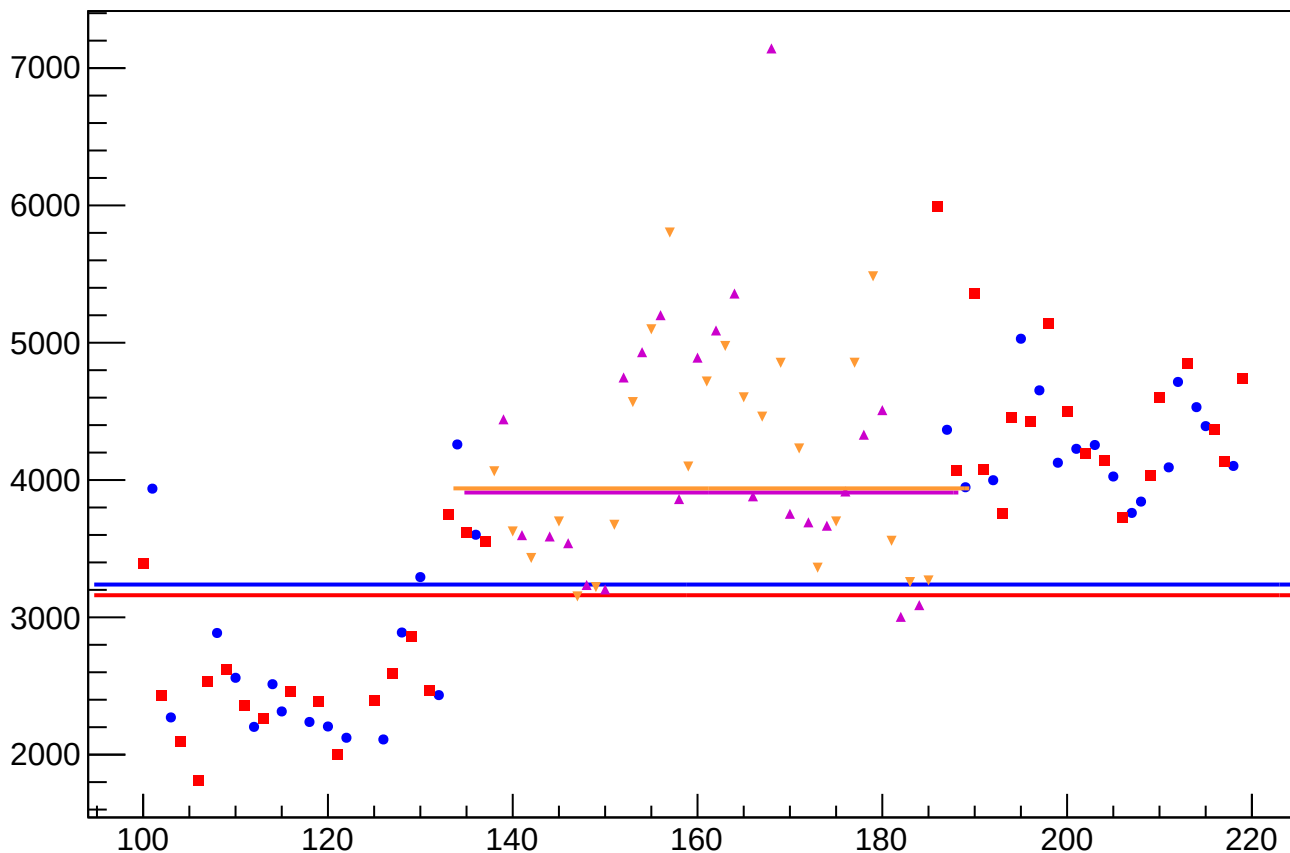
Left In: -126.635 ± 932.644 χ^2/NDF : 13.8/22

+ sign -4.209 ± 585.822 χ^2/NDF : 68.7/55

All: -101.567 ± 408.802 χ^2/NDF : 134.6/114

- sign -193.976 ± 570.741 χ^2/NDF : 65.8/58

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 3238.860 $\pm$ 0.532 χ^2 /NDF: 3106046.6/31

Left Out: 3939.266 $\pm$ 0.661 χ^2 /NDF:1092657.5/23

Right Out: 3161.051 $\pm$ 0.510 χ^2 /NDF: 3927662.7/35

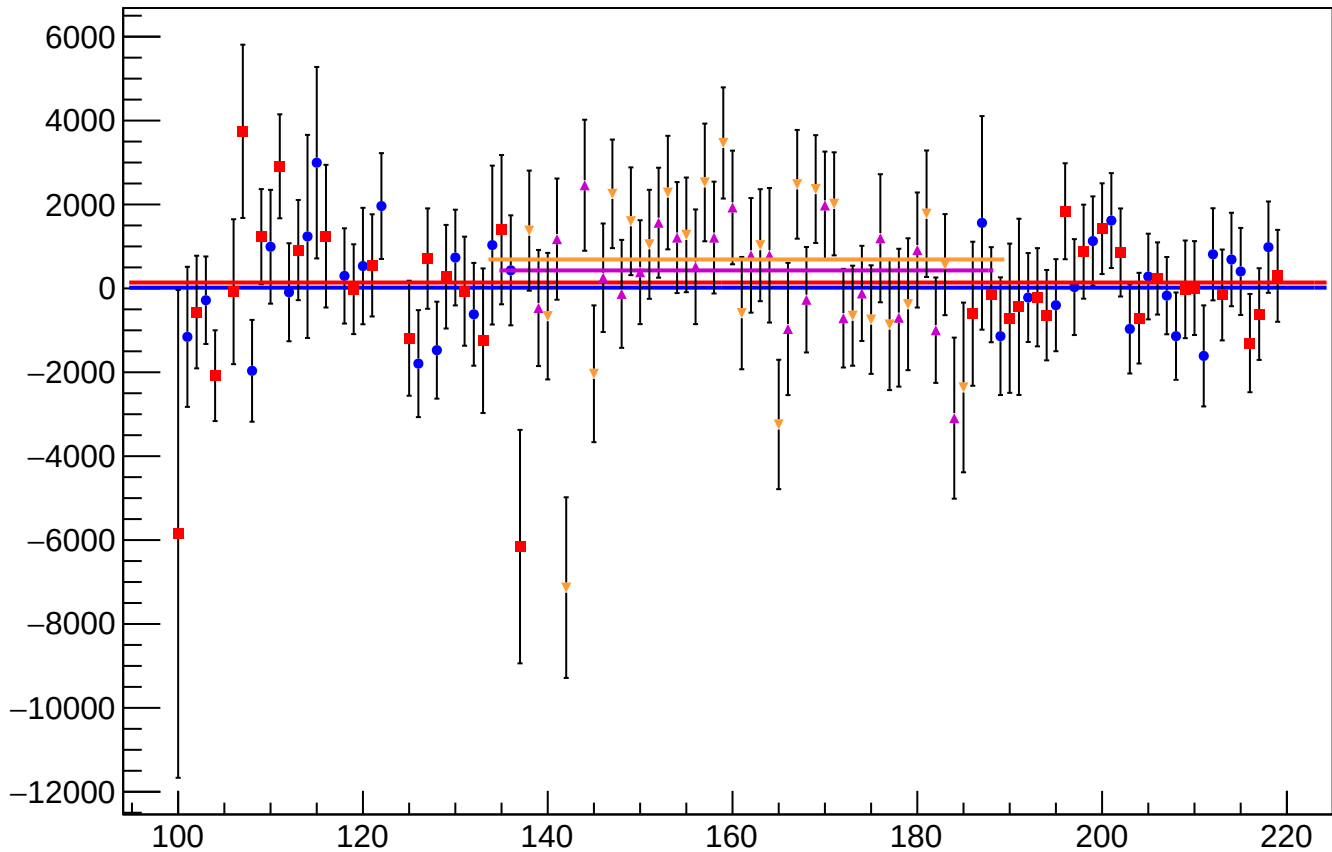
Left In: 3909.128 $\pm$ 0.659 χ^2 /NDF:1300782.7/22

+ sign 3514.271 $\pm$ 0.414 χ^2 /NDF: 4880829.9/55

All: 3476.784 $\pm$ 0.289 χ^2 /NDF: 10930098.8/100

- sign 3441.202 $\pm$ 0.404 χ^2 /NDF: 6033306.0/58

dit_asym_usl_atl2_dd_mean vs Slug



Right In: 16.967 ± 213.052 χ^2/NDF : 23.2/31

Left Out: 689.087 ± 284.388 χ^2/NDF : 45.7/23

Right Out: 139.765 ± 209.159 χ^2/NDF : 31.4/35

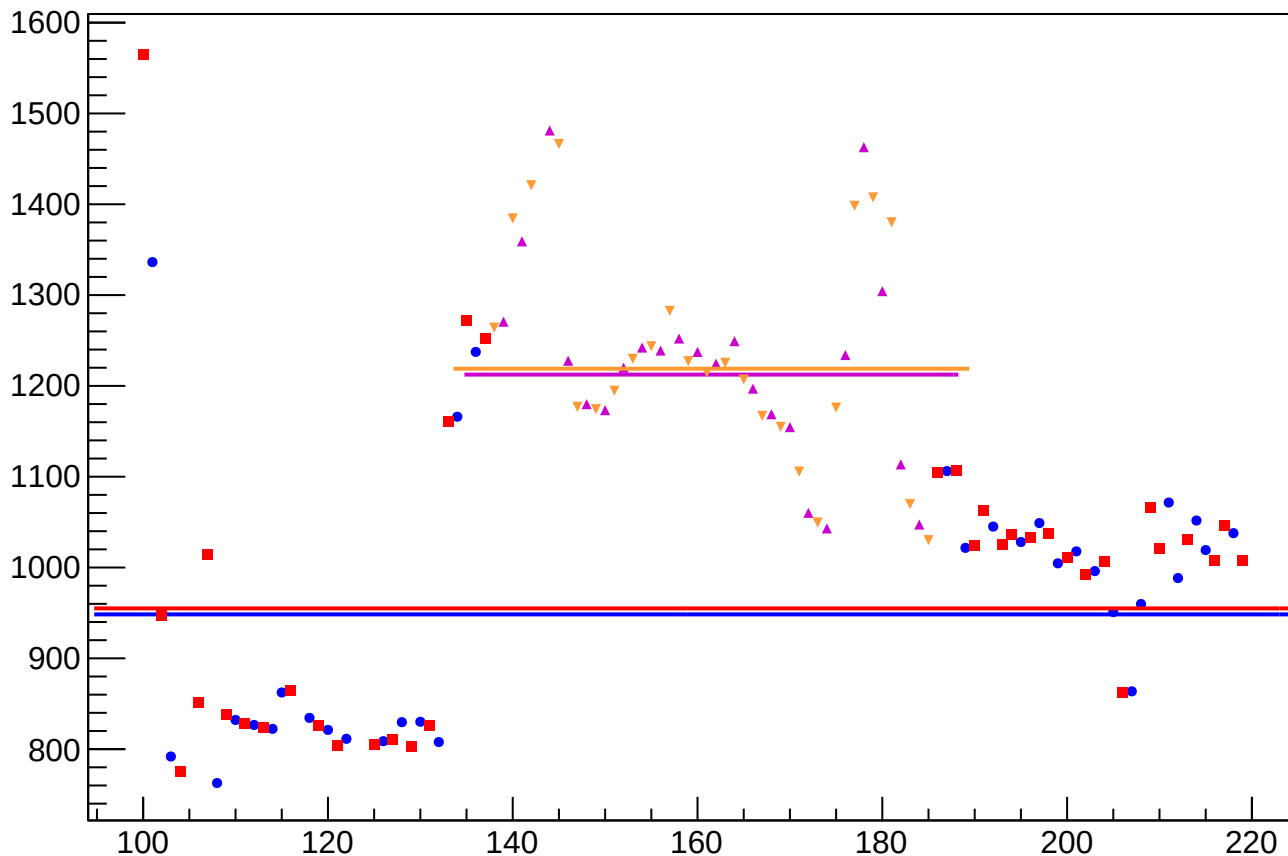
Left In: 428.052 ± 284.383 χ^2/NDF : 14.6/22

+ sign 258.583 ± 170.510 χ^2/NDF : 72.5/55

All: 249.670 ± 119.850 χ^2/NDF : 119.2/114

- sign 240.967 ± 168.494 χ^2/NDF : 46.7/58

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 948.401 $\pm$ 0.151 χ^2 /NDF: 675203.4/31

Left Out: 1218.928 $\pm$ 0.201 χ^2 /NDF:293874.9/23

Right Out: 955.008 $\pm$ 0.148 χ^2 /NDF: 626378.4/35

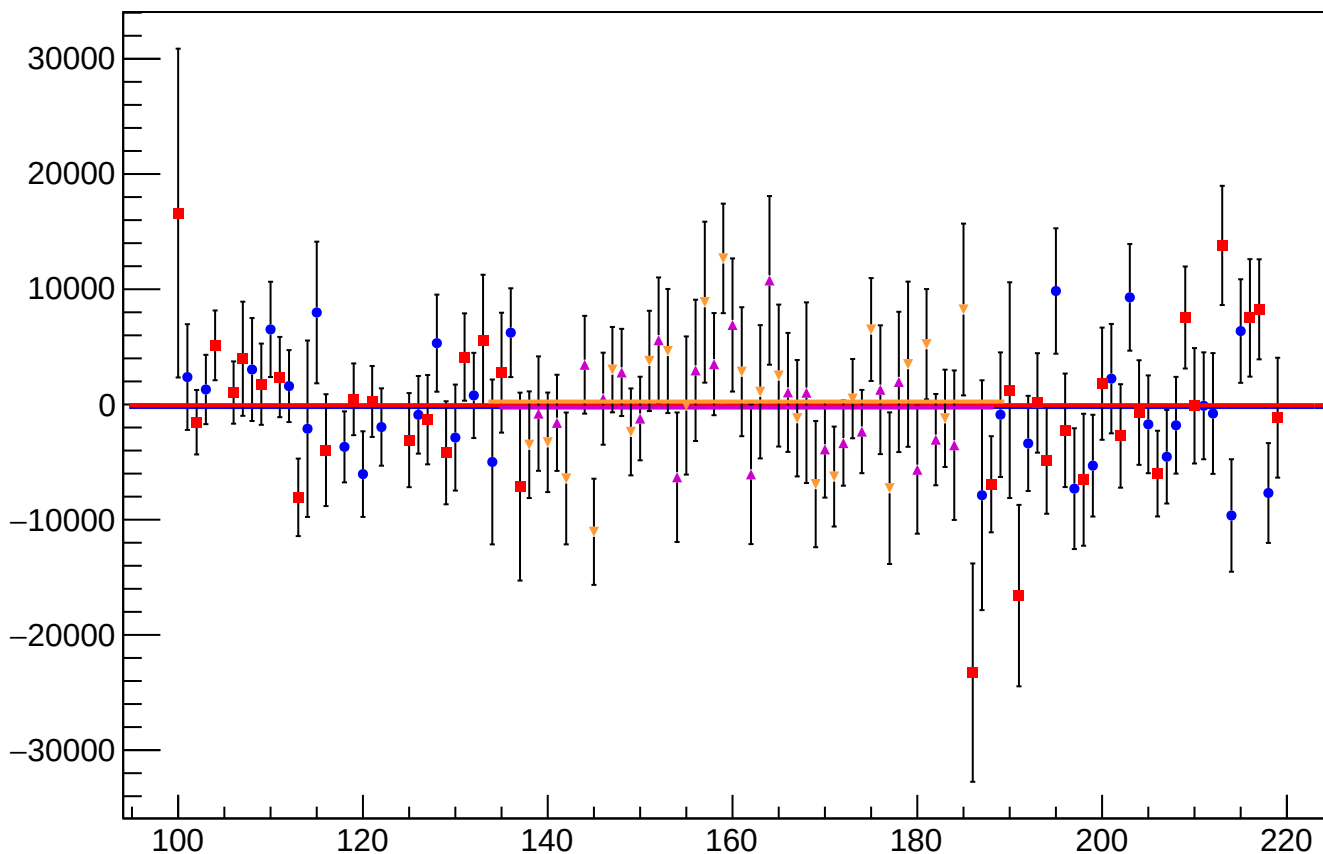
Left In: 1212.447 $\pm$ 0.201 χ^2 /NDF:260320.0/22

+ sign 1045.651 $\pm$ 0.121 χ^2 /NDF: 2128279.2/55

All: 1045.490 $\pm$ 0.085 χ^2 /NDF: 4078900.1/11

- sign 1045.334 $\pm$ 0.119 χ^2 /NDF: 1950617.4/58

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: -224.445 ± 756.612 χ^2/NDF : 37.9/31

Left Out: 252.803 ± 995.149 χ^2/NDF : 29.7/23

Right Out: -58.872 ± 709.227 χ^2/NDF : 52.0/35

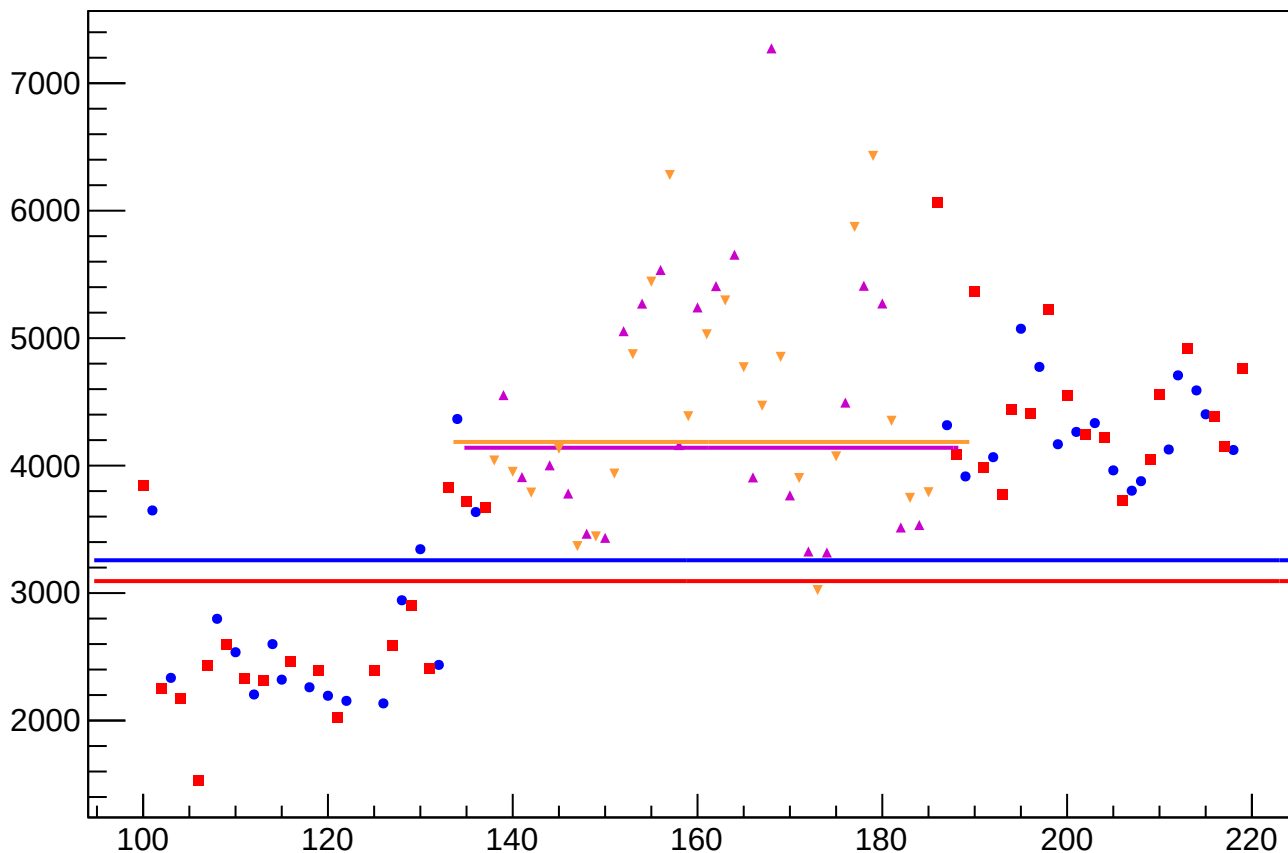
Left In: -266.235 ± 990.083 χ^2/NDF : 13.4/22

+ sign -49.625 ± 602.299 χ^2/NDF : 67.7/55

All: -91.145 ± 416.493 χ^2/NDF : 133.2/114

- sign -129.192 ± 576.563 χ^2/NDF : 65.5/58

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 3257.465 $\pm$ 0.535 χ^2 /NDF: 3081575.0/31

Left Out: 4185.656 $\pm$ 0.704 χ^2 /NDF:1271248.5/23

Right Out: 3093.932 $\pm$ 0.501 χ^2 /NDF: 4481835.1/35

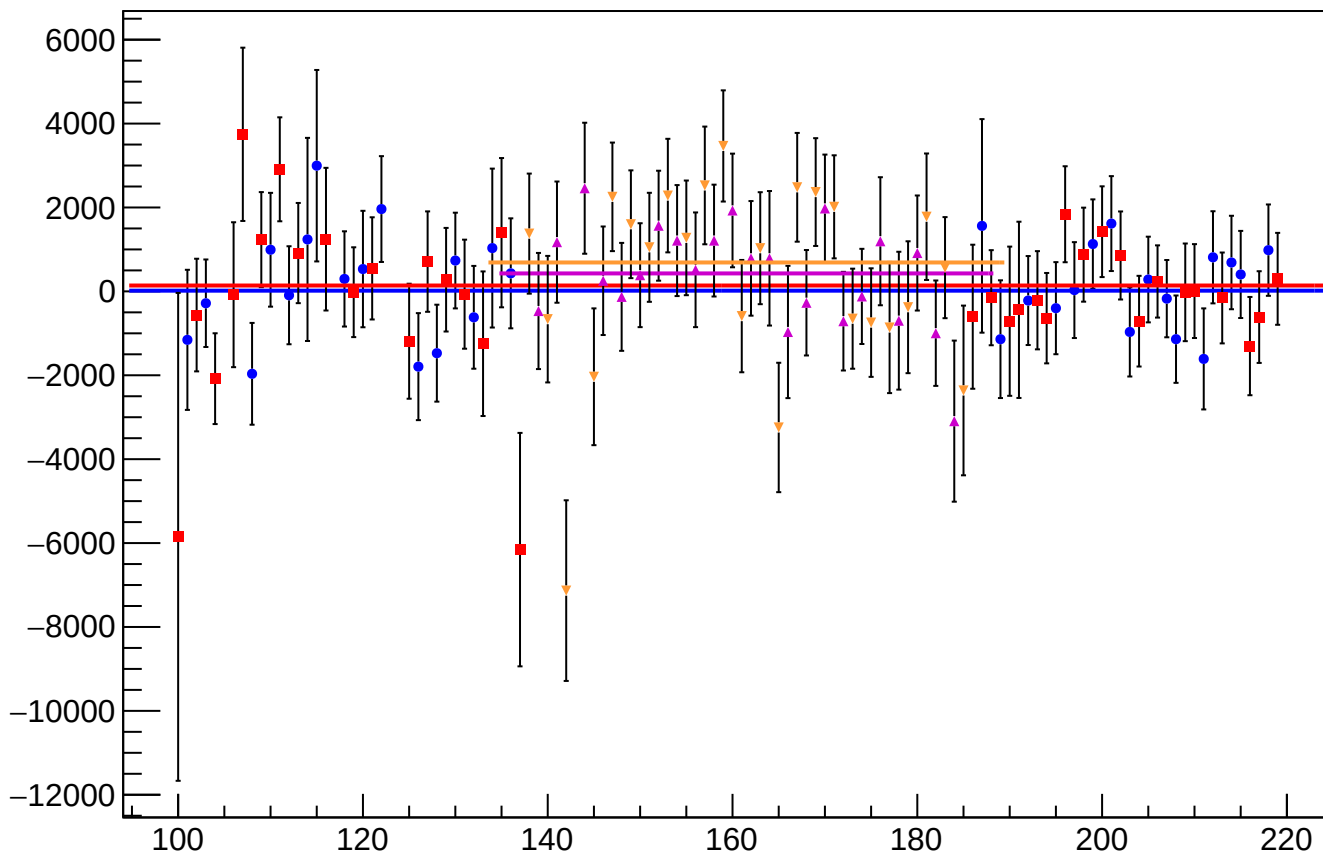
Left In: 4140.051 $\pm$ 0.700 χ^2 /NDF:1449924.0/22

+ sign 3597.470 $\pm$ 0.426 χ^2 /NDF: 5455391.3/55

All: 3519.833 $\pm$ 0.295 χ^2 /NDF: 12926448.9/1

- sign 3448.690 $\pm$ 0.408 χ^2 /NDF: 7407375.8/58

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: 16.965 ± 213.052 χ^2/NDF : 23.2/31

Left Out: 689.089 ± 284.388 χ^2/NDF : 45.7/23

Right Out: 139.764 ± 209.159 χ^2/NDF : 31.4/35

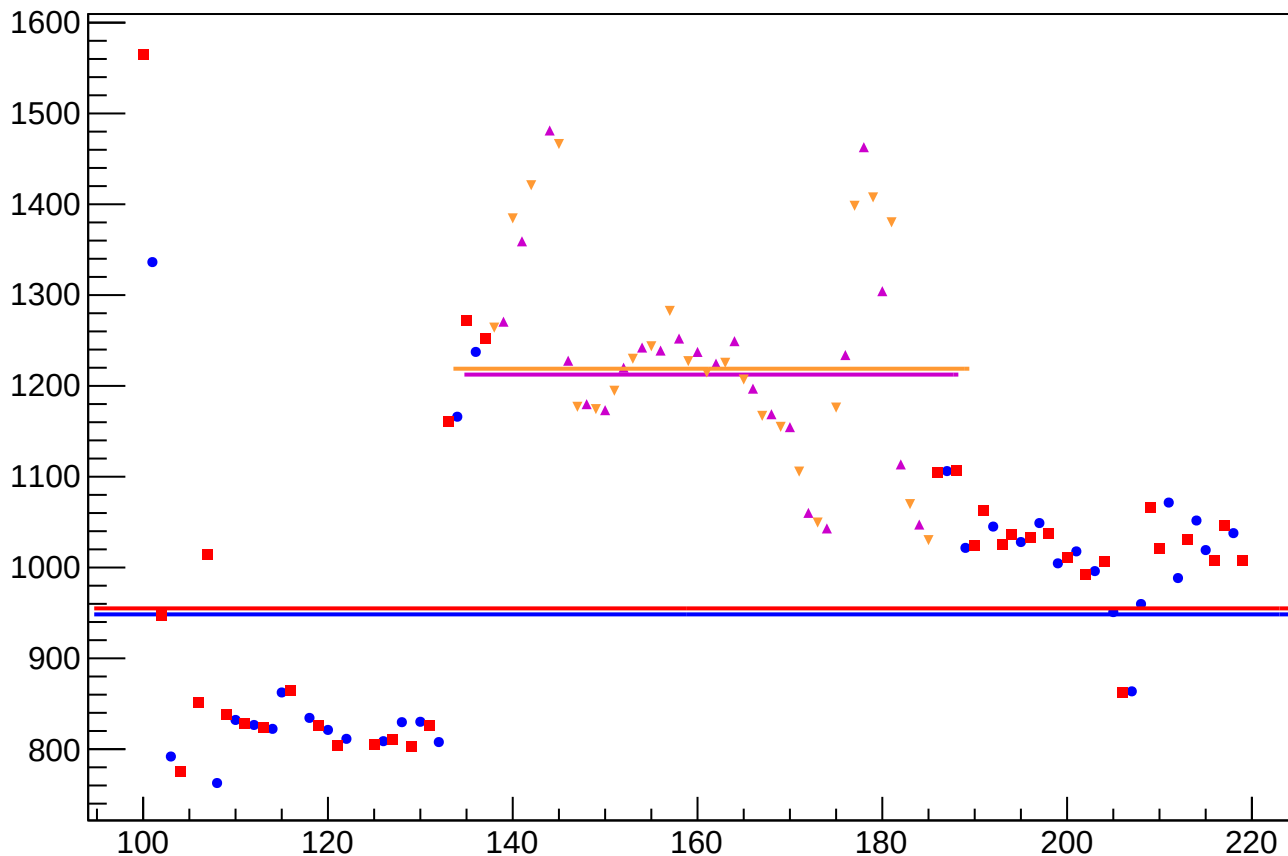
Left In: 428.050 ± 284.383 χ^2/NDF : 14.6/22

+ sign 258.582 ± 170.510 χ^2/NDF : 72.5/55

All: 249.669 ± 119.850 χ^2/NDF : 119.2/114

- sign 240.965 ± 168.494 χ^2/NDF : 46.7/58

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 948.401 $\pm$ 0.151 χ^2 /NDF: 675203.2/31

Left Out: 1218.929 $\pm$ 0.201 χ^2 /NDF:293885.7/23

Right Out: 955.008 $\pm$ 0.148 χ^2 /NDF: 626378.8/35

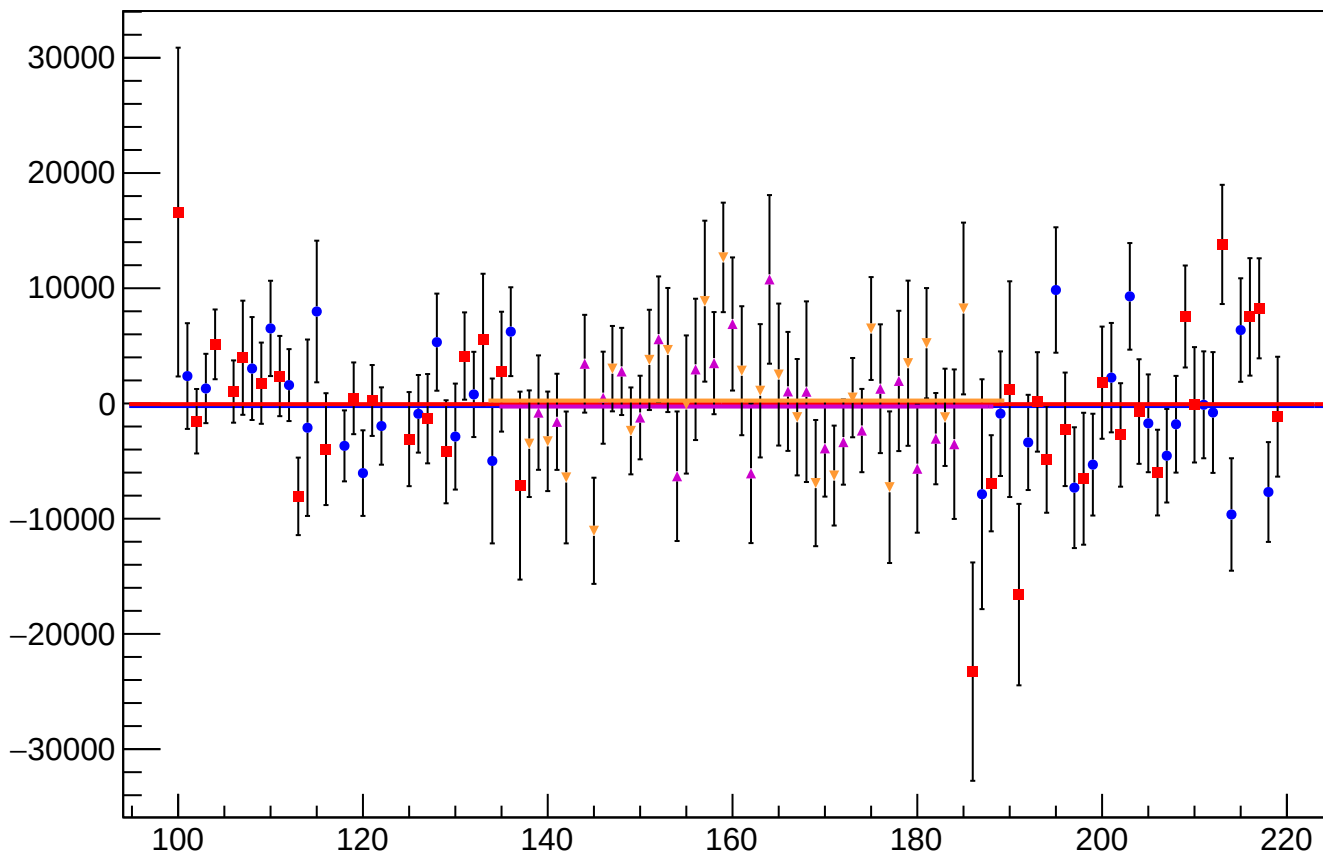
Left In: 1212.448 $\pm$ 0.201 χ^2 /NDF:260330.4/22

+ sign 1045.651 $\pm$ 0.121 χ^2 /NDF: 2128296.2/55

All: 1045.491 $\pm$ 0.085 χ^2 /NDF: 4078934.6/11

- sign 1045.334 $\pm$ 0.119 χ^2 /NDF: 1950634.9/58

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug



Right In: -224.445+/-756.611 χ^2/NDF : 37.9/31

Left Out: 252.805+/-995.151 χ^2/NDF : 29.7/23

Right Out: -58.868+/-709.226 χ^2/NDF : 52.0/35

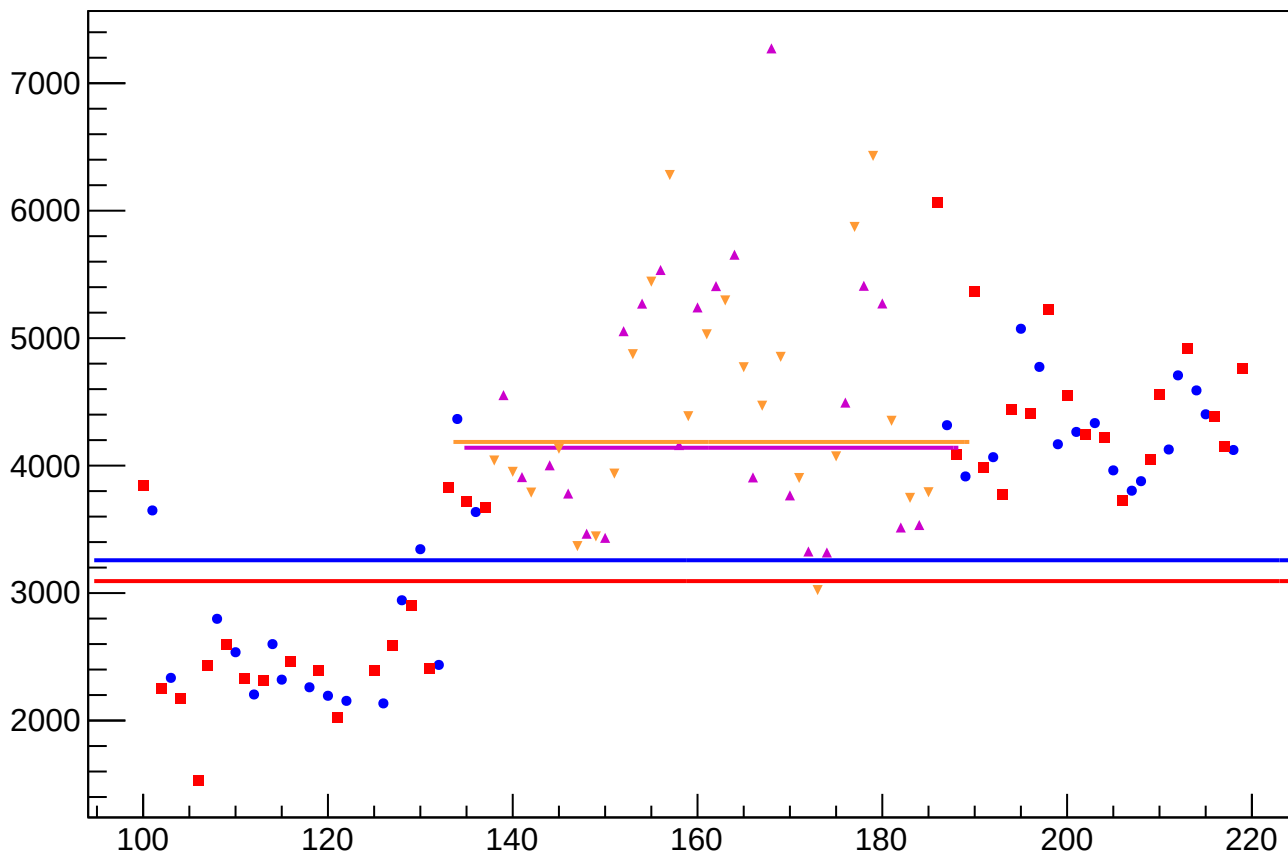
Left In: -266.236+/-990.085 χ^2/NDF : 13.4/22

+ sign -49.625+/-602.299 χ^2/NDF : 67.7/55

All: -91.143+/-416.493 χ^2/NDF : 133.2/114

- sign -129.190+/-576.563 χ^2/NDF : 65.5/58

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 3257.460+/-0.535 χ^2/NDF : 3081633.3/31

Left Out: 4185.664+/-0.704 χ^2/NDF :1271247.4/23

Right Out: 3093.926+/-0.501 χ^2/NDF : 4481885.5/35

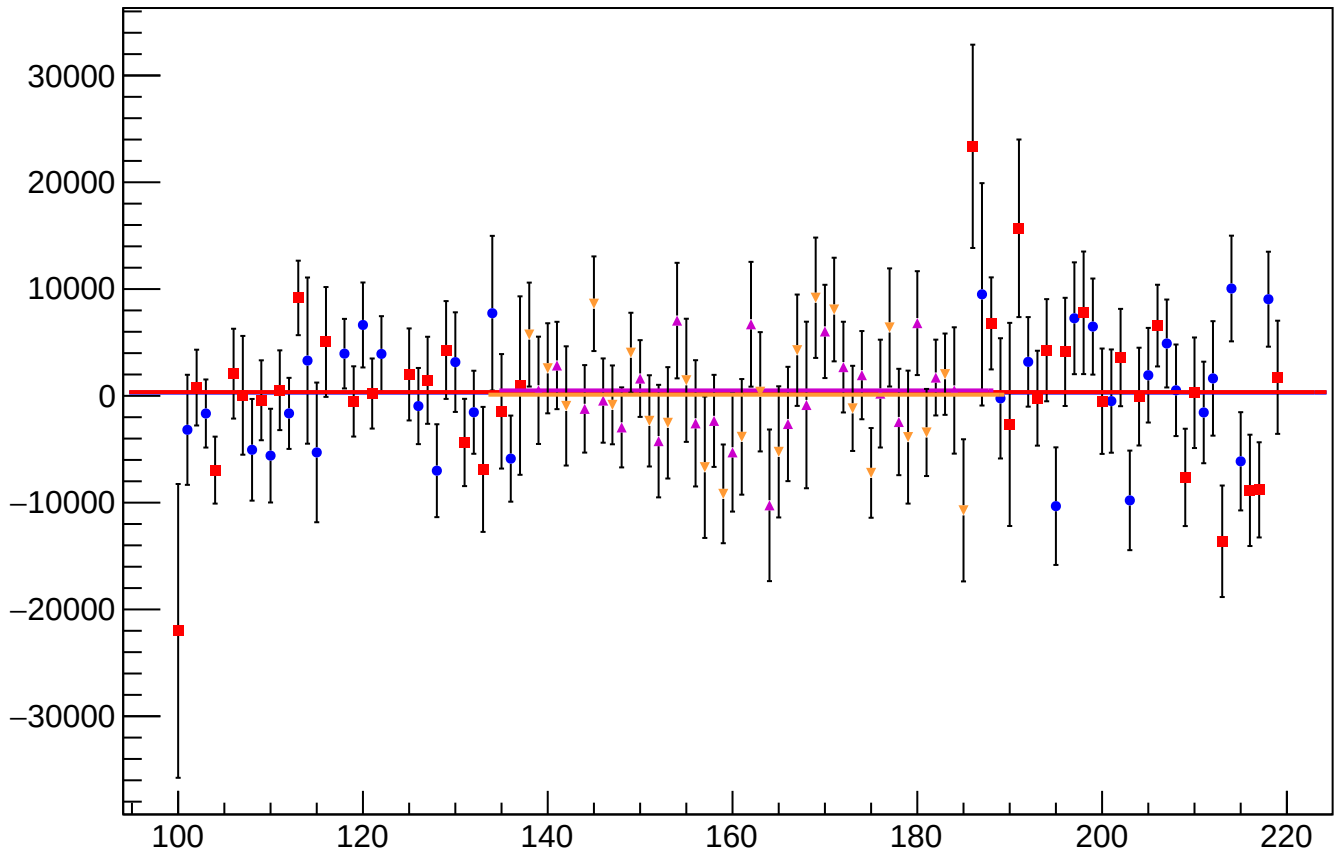
Left In: 4140.059+/-0.700 χ^2/NDF :1449925.1/22

+ sign 3597.468+/-0.426 χ^2/NDF : 5455477.5/55

All: 3519.831+/-0.295 χ^2/NDF : 12926621.5/100

- sign 3448.687+/-0.408 χ^2/NDF : 7407461.2/58

asym_usl_atl2_dd_mean vs Slug



Right In: 306.743 $\pm$ 787.778 χ^2 /NDF: 41.6/31

Left Out: 108.966 $\pm$ 975.598 χ^2 /NDF: 28.0/23

Right Out: 353.362 $\pm$ 760.760 χ^2 /NDF: 54.9/35

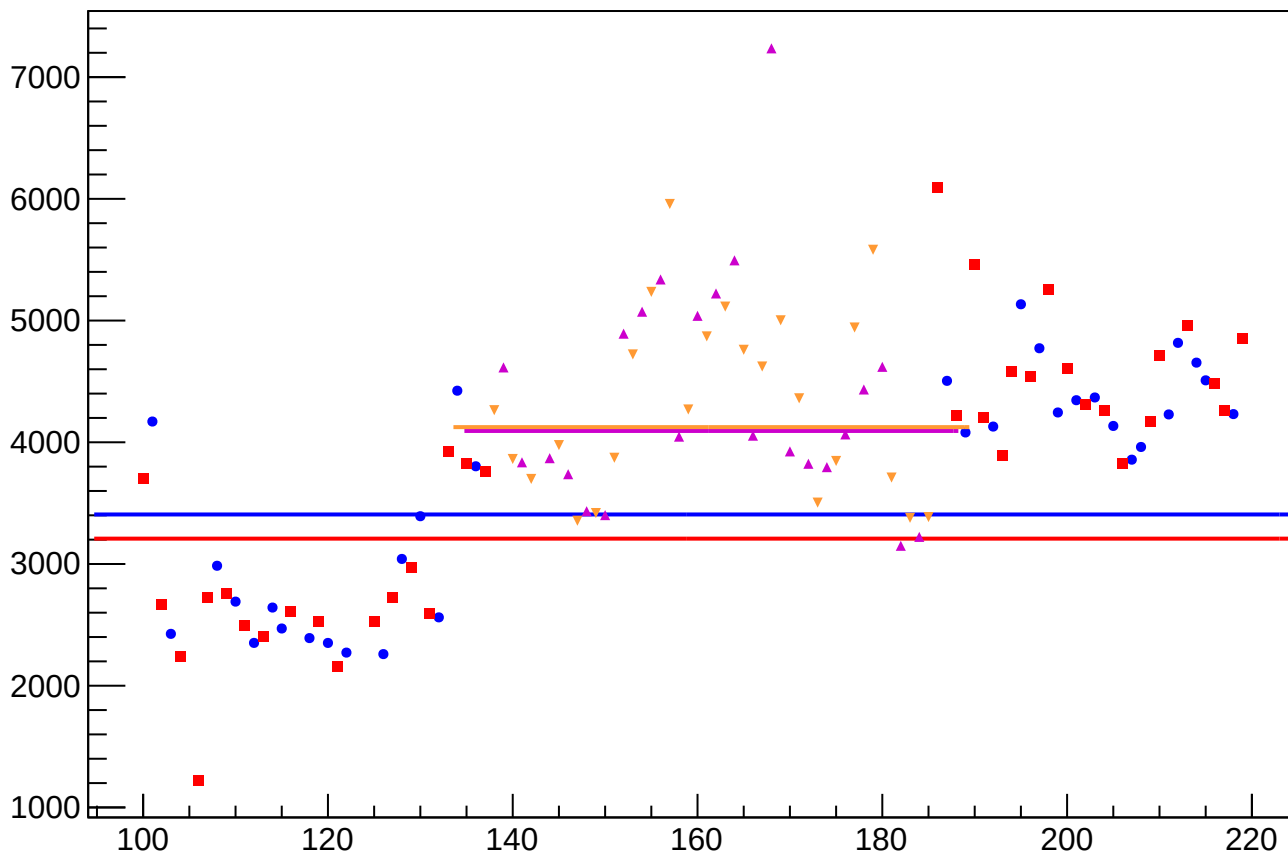
Left In: 509.024 $\pm$ 974.173 χ^2 /NDF: 13.5/22

+ sign 228.683 $\pm$ 612.908 χ^2 /NDF: 69.7/55

All: 322.524 $\pm$ 428.606 χ^2 /NDF: 138.1/114

- sign 412.331 $\pm$ 599.591 χ^2 /NDF: 68.4/58

asym_usl_atl2_dd_rms vs Slug



Right In: 3406.933+/-0.557 χ^2/NDF : 2772303.4/31

Left Out: 4124.485+/-0.690 χ^2/NDF : 969929.3/23

Right Out: 3208.384+/-0.523 χ^2/NDF : 4594785.4/35

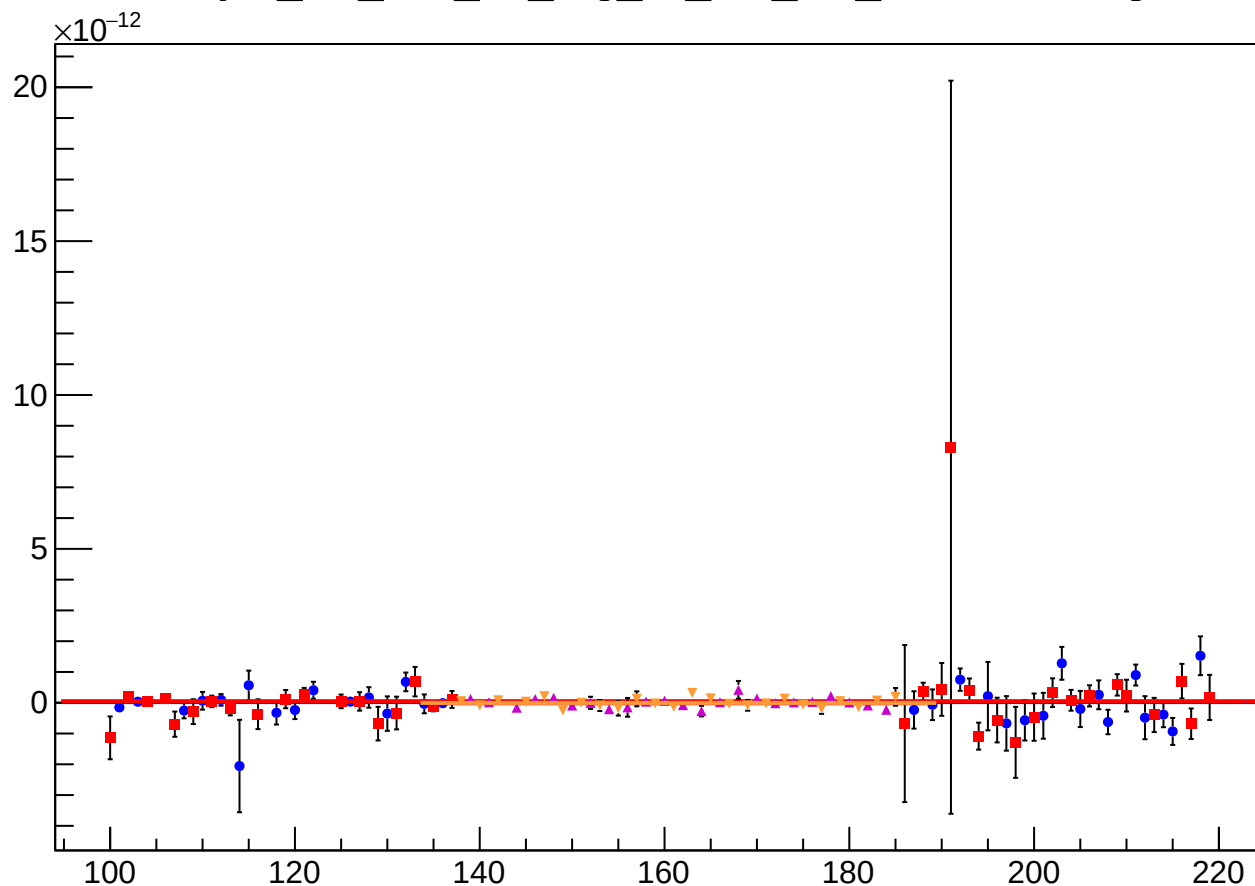
Left In: 4093.066+/-0.689 χ^2/NDF : 1162851.8/22

+ sign 3690.138+/-0.433 χ^2/NDF : 4397136.7/55

All: 3607.849+/-0.300 χ^2/NDF : 11270484.9/1

- sign 3531.842+/-0.417 χ^2/NDF : 6803997.8/58

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 48.7/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.3/35

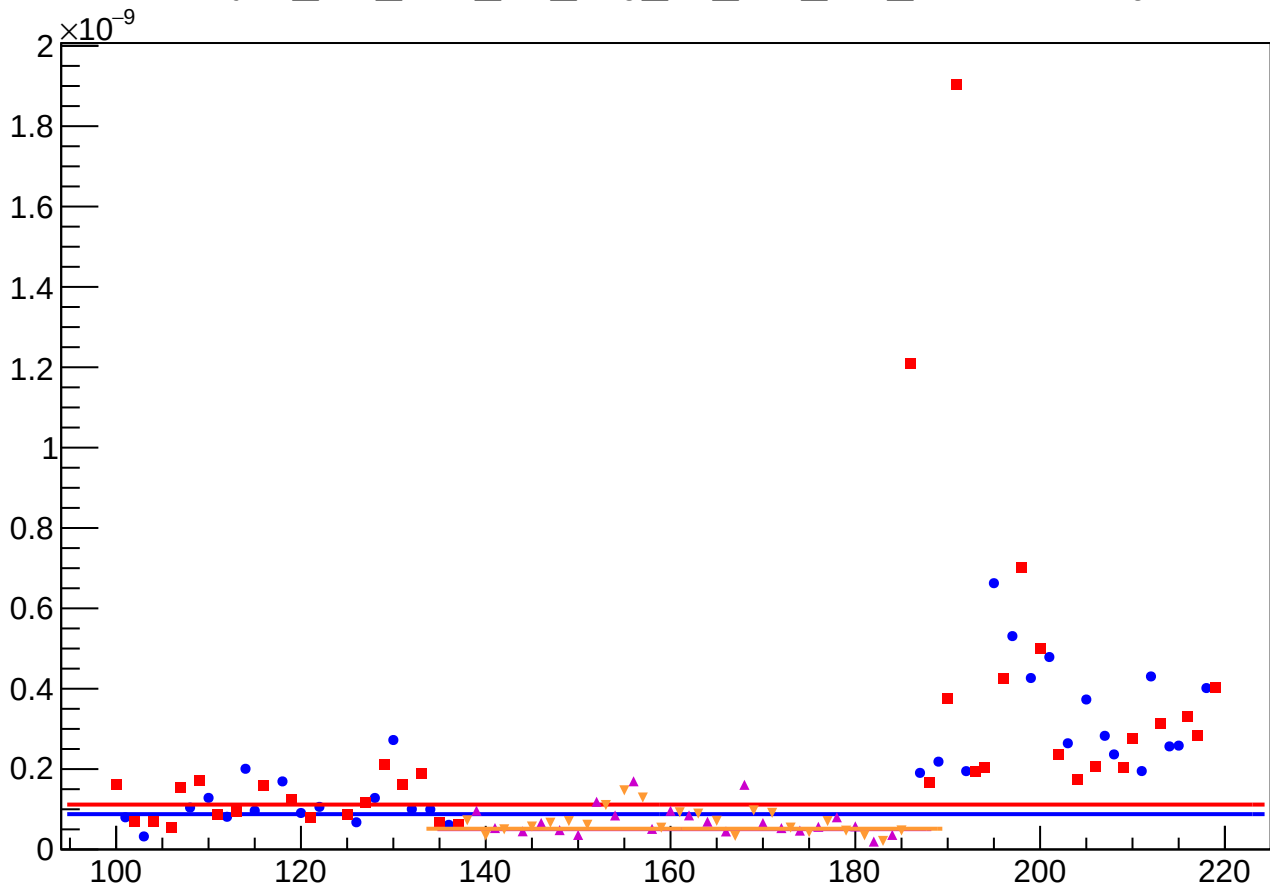
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 73.2/55

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 136.9/114

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 63.7/58

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7373140.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 5354099.1/35

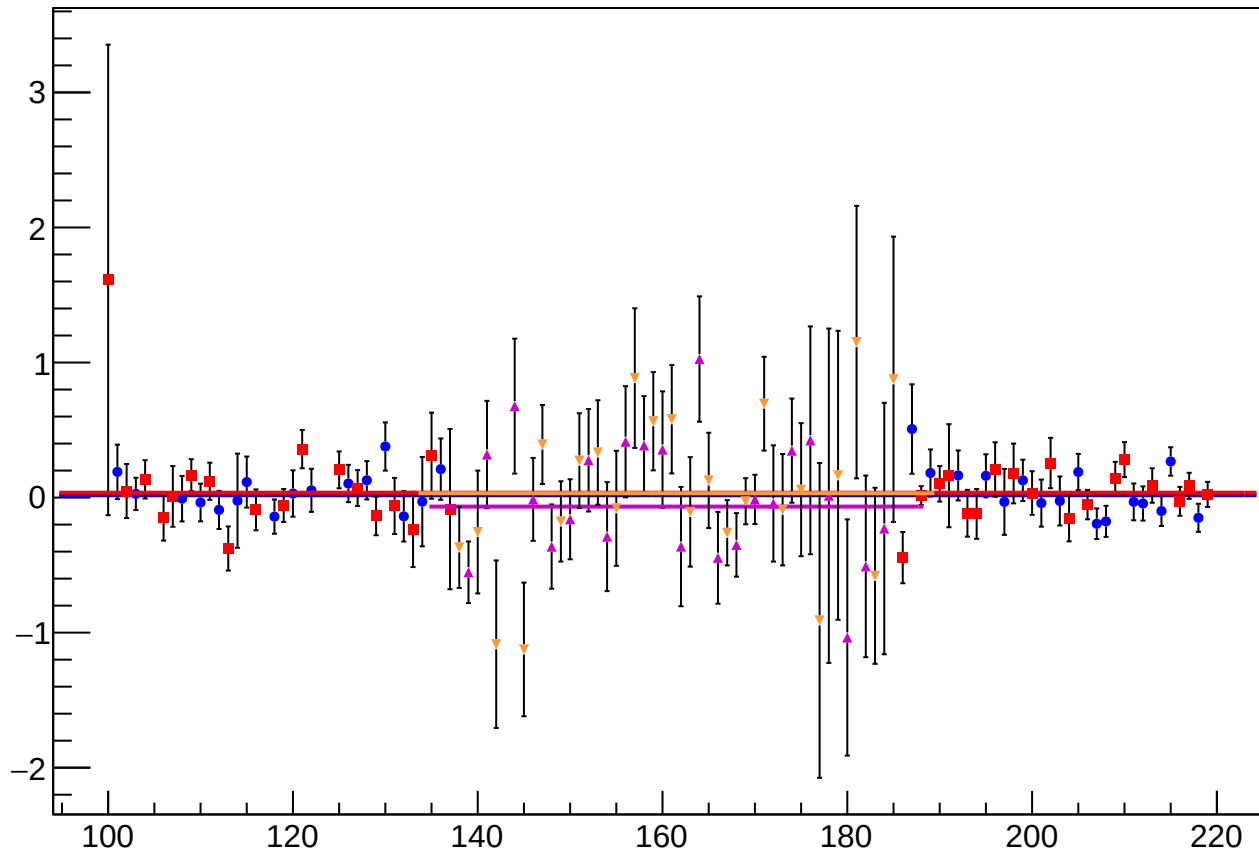
Left In: 0.000+/-0.000 χ^2/NDF : 2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 10824760.8/55

All: 0.000+/-0.000 χ^2/NDF : 21265943.2/114

- sign 0.000+/-0.000 χ^2/NDF : 10436436.1/58

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.018 $\pm$ 0.027 χ^2 /NDF: 32.9/31

Left Out: 0.032 $\pm$ 0.076 χ^2 /NDF: 29.7/23

Right Out: 0.036 $\pm$ 0.024 χ^2 /NDF: 40.0/35

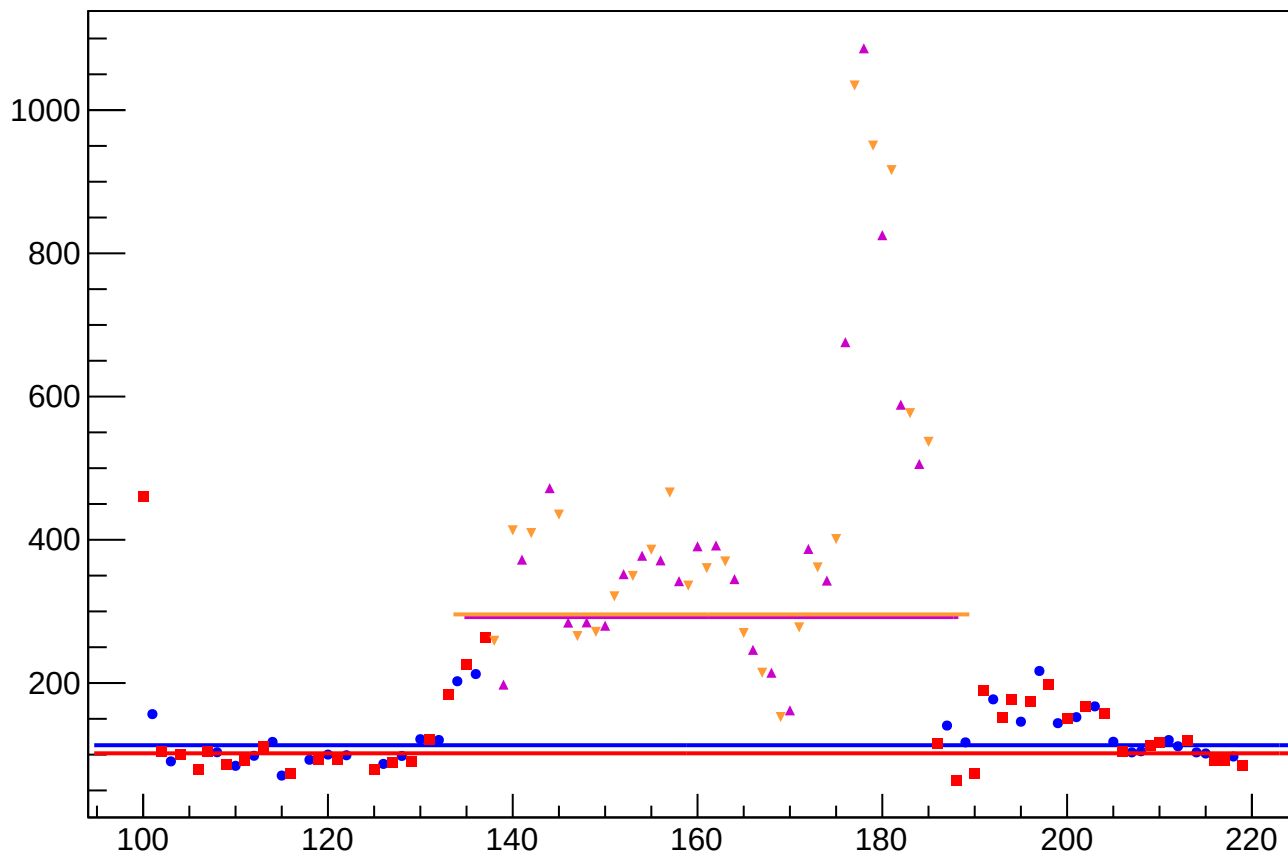
Left In: -0.067 $\pm$ 0.075 χ^2 /NDF: 25.7/22

+ sign 0.019 $\pm$ 0.025 χ^2 /NDF: 62.6/55

All: 0.023 $\pm$ 0.017 χ^2 /NDF: 130.0/114

- sign 0.027 $\pm$ 0.023 χ^2 /NDF: 67.4/58

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 113.144+/-0.019 χ^2/NDF : 2271094.0/31

Left Out: 295.798+/-0.054 χ^2/NDF : 5501077.8/23

Right Out: 101.846+/-0.017 χ^2/NDF : 3762123.6/35

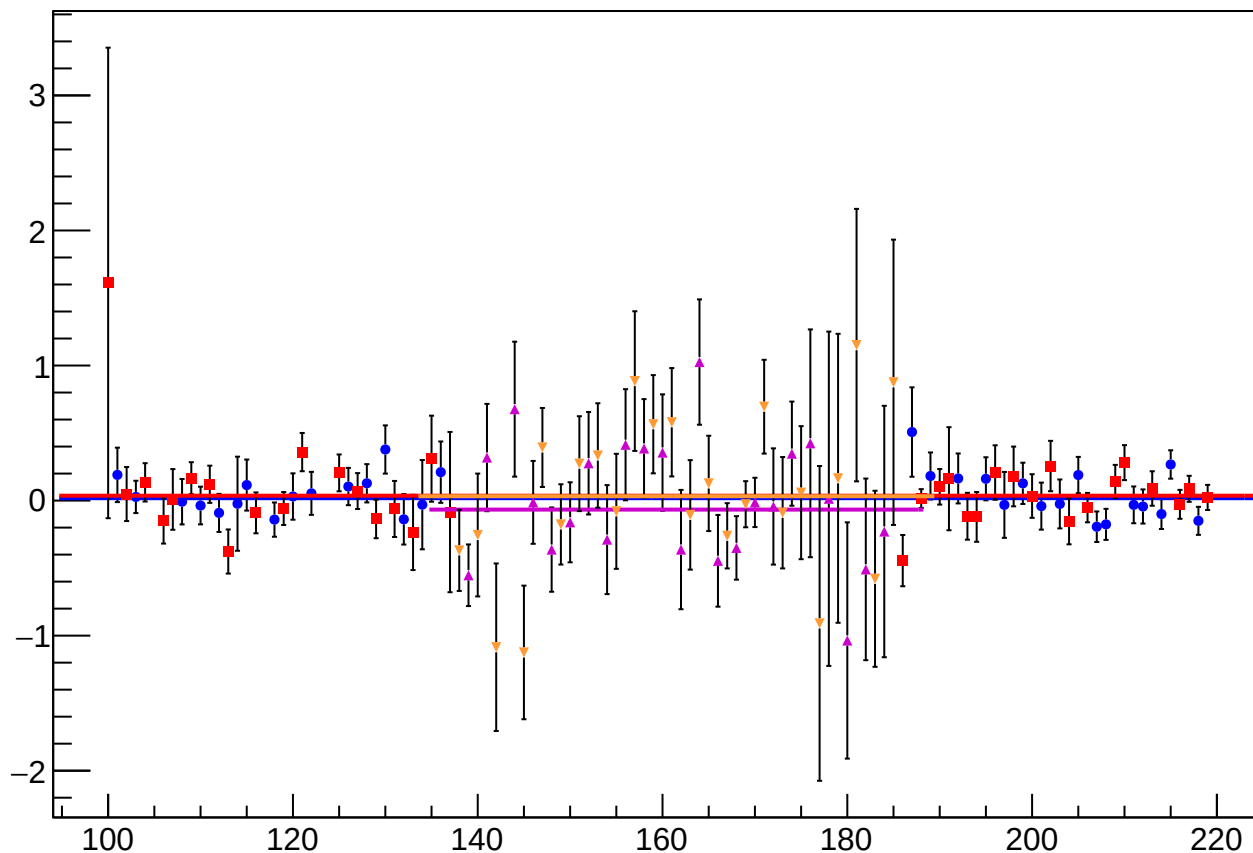
Left In: 292.100+/-0.053 χ^2/NDF : 5055737.7/22

+ sign 133.011+/-0.018 χ^2/NDF : 18066433.6/55

All: 125.608+/-0.012 χ^2/NDF : 38965564.9/11

- sign 119.503+/-0.016 χ^2/NDF : 20580833.6/58

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018 ± 0.027 χ^2/NDF : 32.9/31

Left Out: 0.032 ± 0.076 χ^2/NDF : 29.7/23

Right Out: 0.036 ± 0.024 χ^2/NDF : 40.0/35

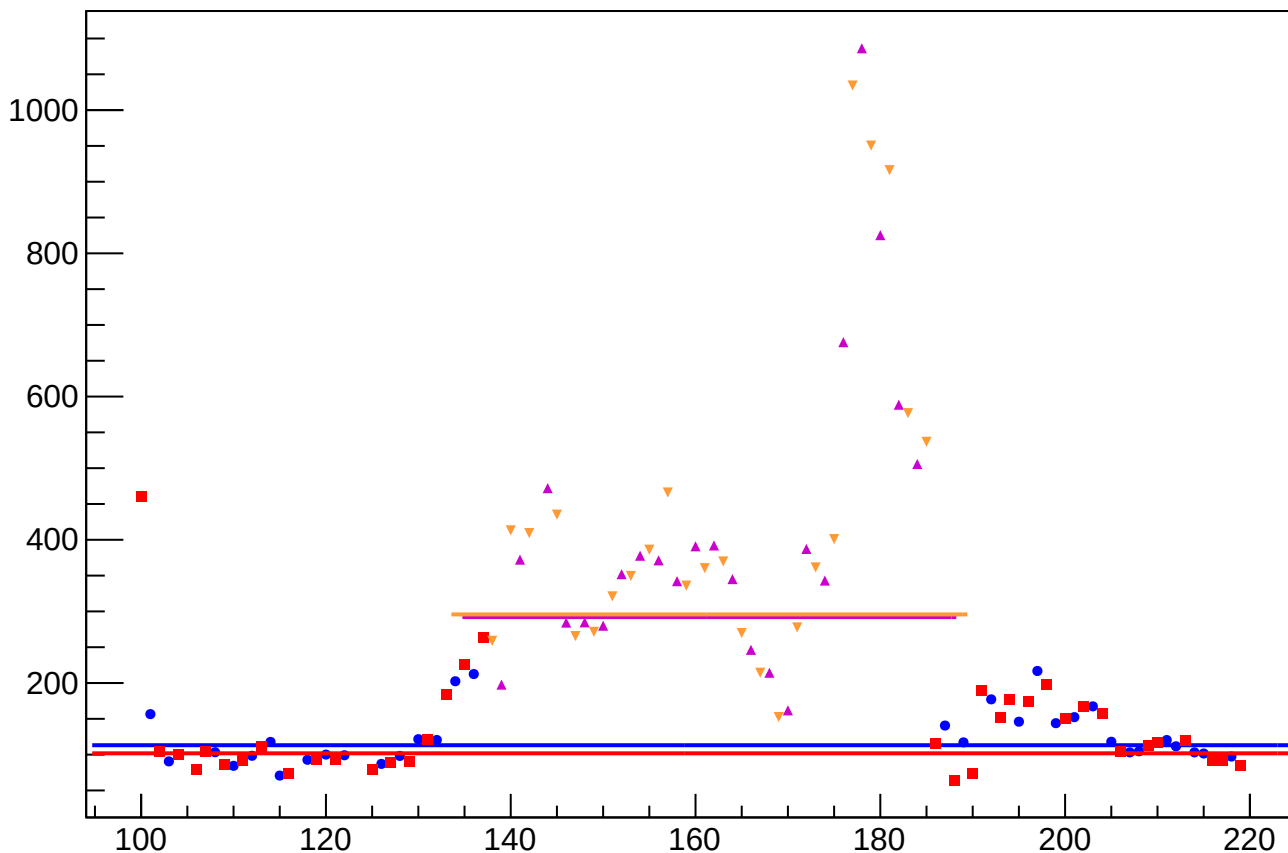
Left In: -0.067 ± 0.075 χ^2/NDF : 25.7/22

+ sign 0.019 ± 0.025 χ^2/NDF : 62.6/55

All: 0.023 ± 0.017 χ^2/NDF : 130.0/114

- sign 0.027 ± 0.023 χ^2/NDF : 67.4/58

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 113.144+/-0.019 χ^2/NDF : 2271094.0/31

Left Out: 295.798+/-0.054 χ^2/NDF : 5501077.8/23

Right Out: 101.846+/-0.017 χ^2/NDF : 3762123.6/35

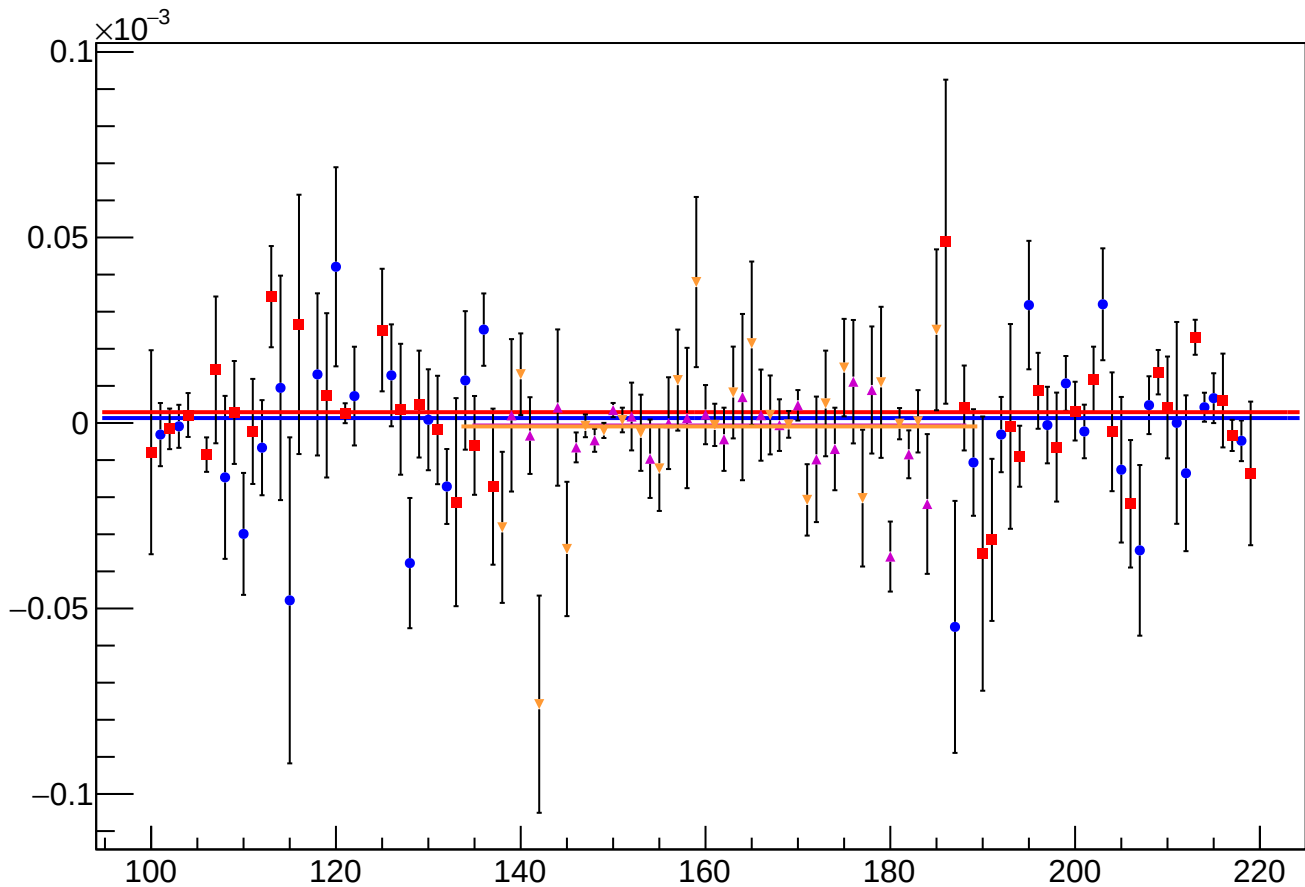
Left In: 292.100+/-0.053 χ^2/NDF : 5055737.7/22

+ sign 133.011+/-0.018 χ^2/NDF : 18066433.6/55

All: 125.608+/-0.012 χ^2/NDF : 38965564.9/11

- sign 119.503+/-0.016 χ^2/NDF : 20580833.6/58

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 43.1/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 29.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 52.4/35

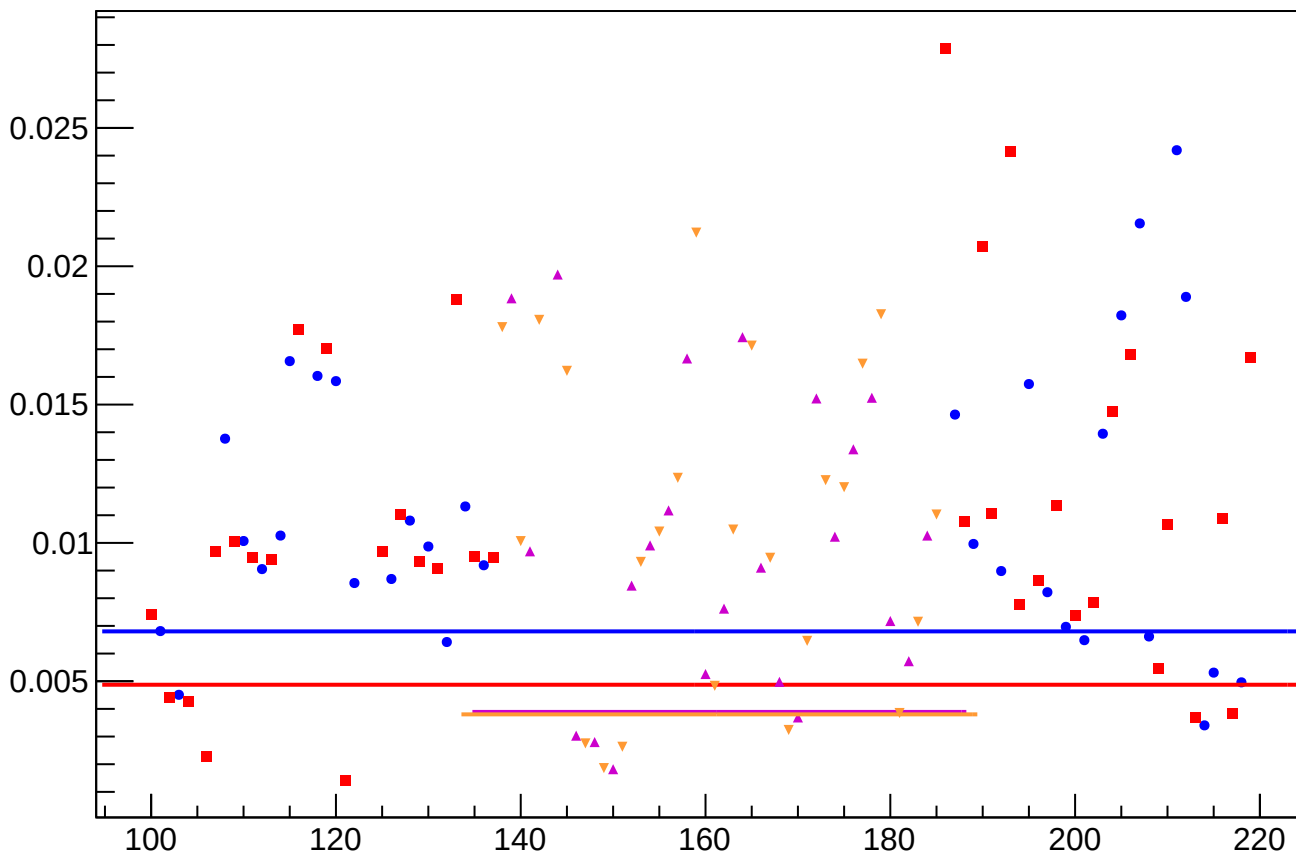
Left In: -0.000 ± 0.000 χ^2/NDF : 29.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 73.3/55

All: 0.000 ± 0.000 χ^2/NDF : 159.9/114

- sign 0.000 ± 0.000 χ^2/NDF : 85.9/58

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 8021526.8/31

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:14624926.4/23

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 14801751.2/35

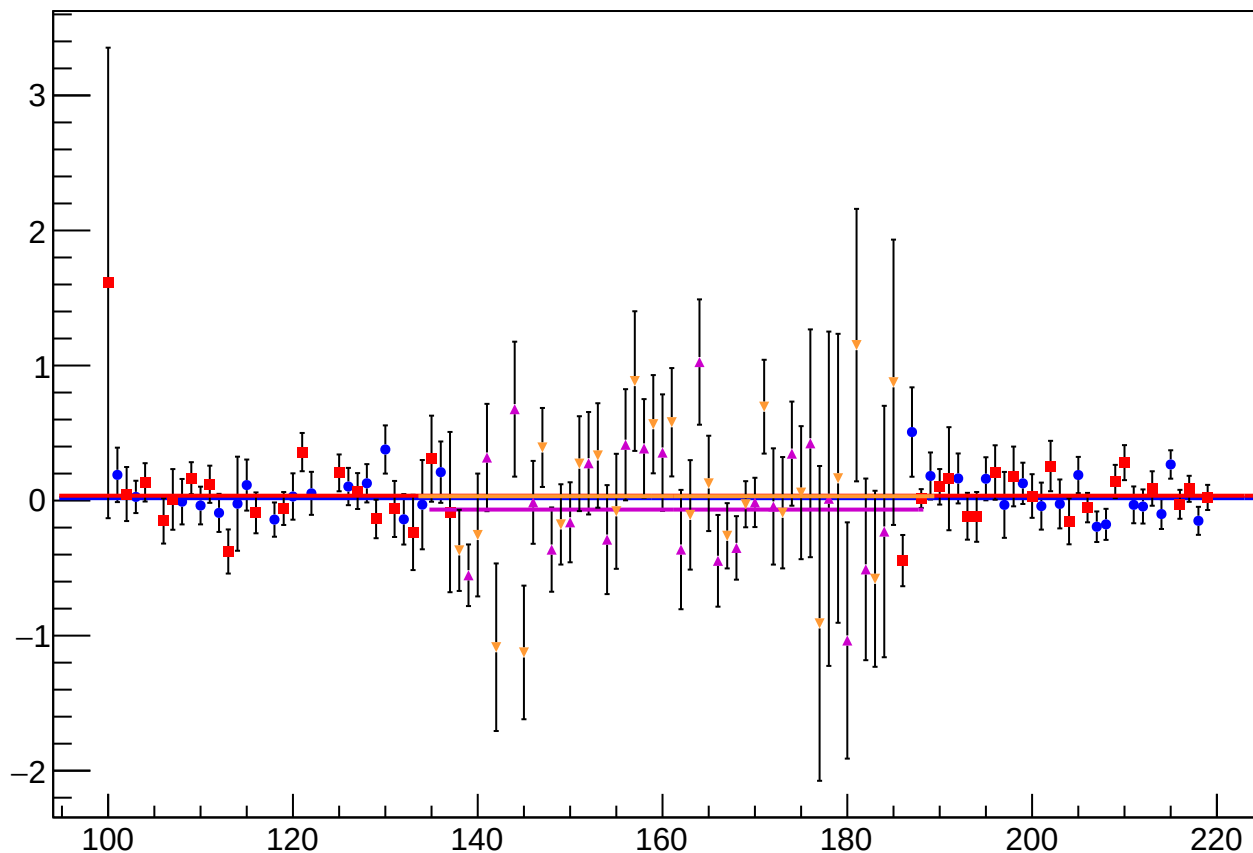
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:13523554.3/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 26593576.4/55

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 55663535.6/114

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 28882233.7/58

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018 $\pm$ 0.027 χ^2 /NDF: 32.9/31

Left Out: 0.032 $\pm$ 0.076 χ^2 /NDF: 29.7/23

Right Out: 0.036 $\pm$ 0.024 χ^2 /NDF: 40.0/35

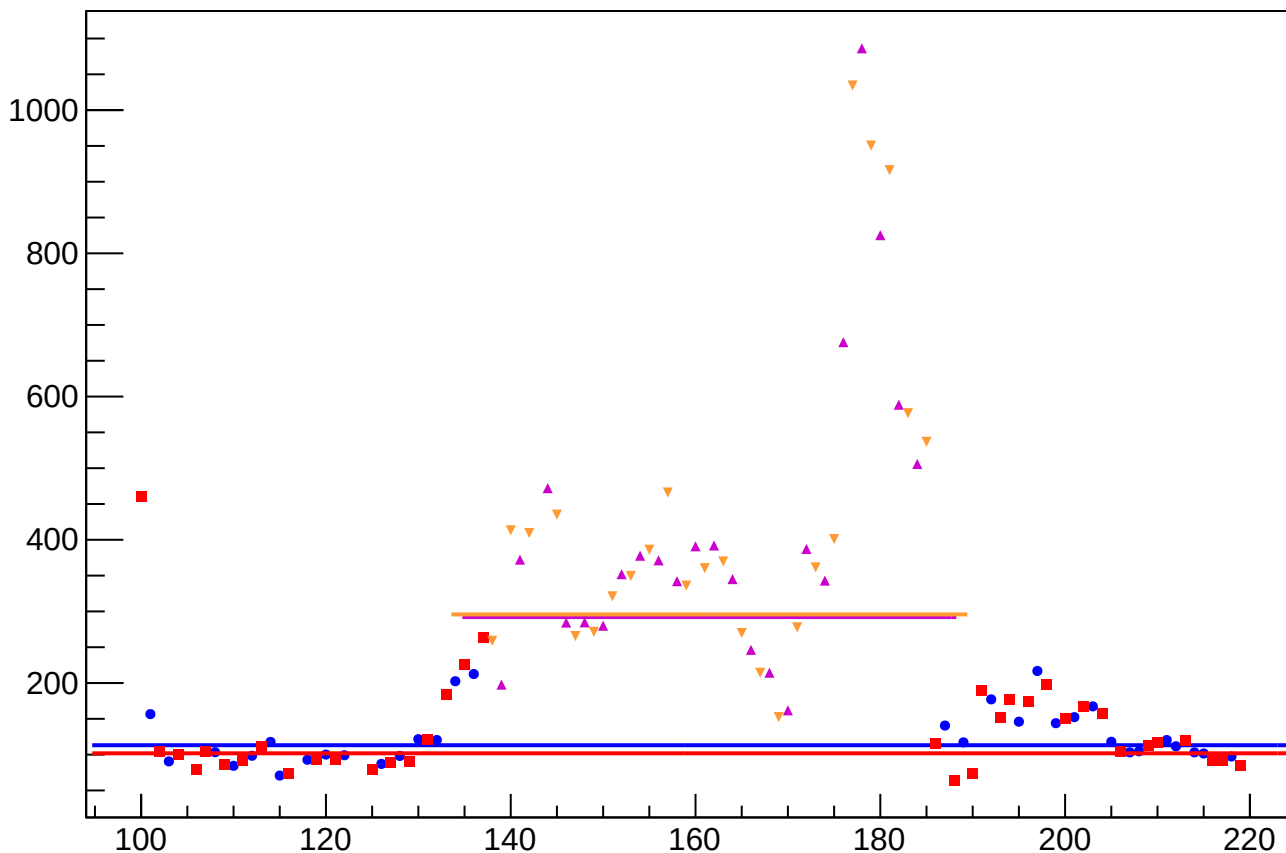
Left In: -0.067 $\pm$ 0.075 χ^2 /NDF: 25.7/22

+ sign 0.019 $\pm$ 0.025 χ^2 /NDF: 62.6/55

All: 0.023 $\pm$ 0.017 χ^2 /NDF: 130.0/114

- sign 0.027 $\pm$ 0.023 χ^2 /NDF: 67.4/58

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 113.144 $\pm$ 0.019 χ^2/NDF : 2271058.4/31

Left Out: 295.800 $\pm$ 0.054 χ^2/NDF : 5501139.3/23

Right Out: 101.845 $\pm$ 0.017 χ^2/NDF : 3762237.5/35

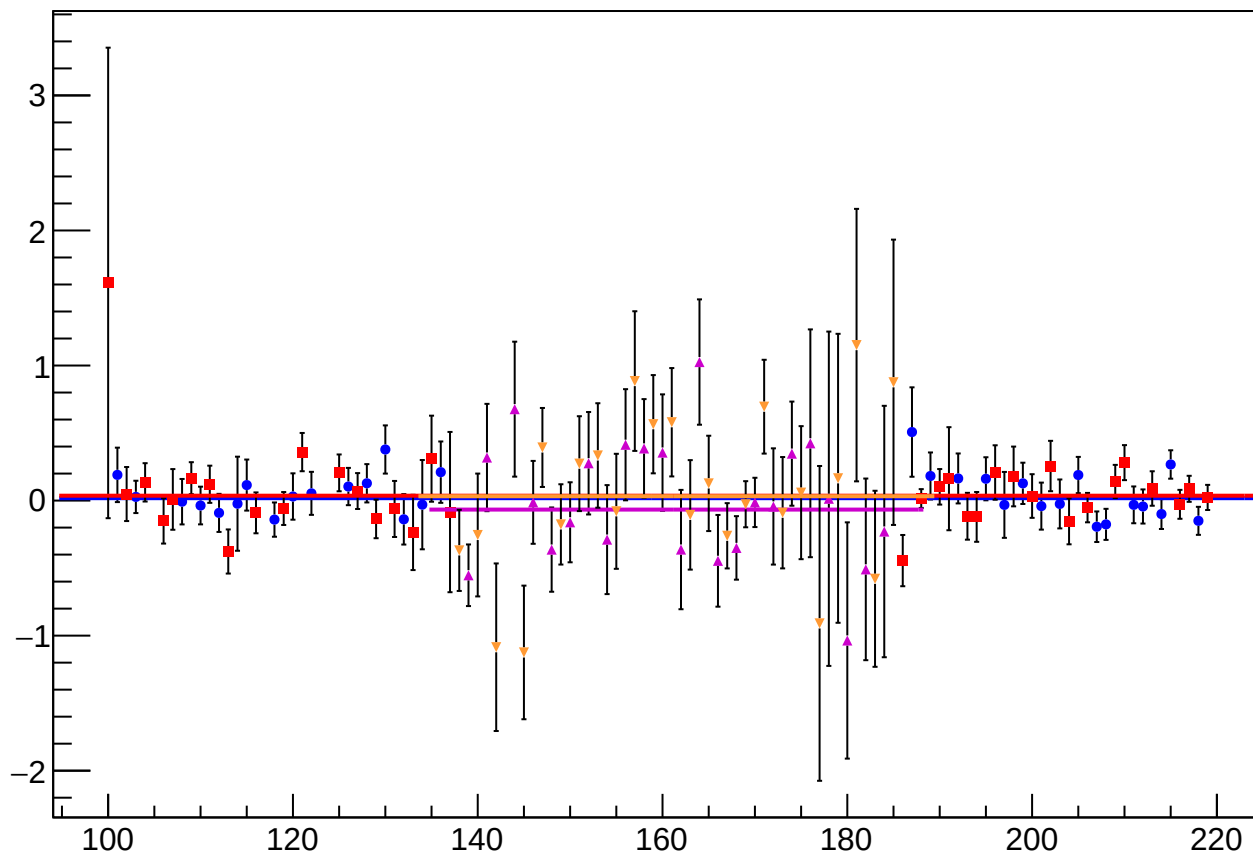
Left In: 292.103 $\pm$ 0.053 χ^2/NDF : 5055695.7/22

+ sign 133.012 $\pm$ 0.018 χ^2/NDF : 18066478.8/55

All: 125.608 $\pm$ 0.012 χ^2/NDF : 38966001.5/1

- sign 119.503 $\pm$ 0.016 χ^2/NDF : 20581170.1/58

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018 ± 0.027 χ^2/NDF : 32.9/31

Left Out: 0.032 ± 0.076 χ^2/NDF : 29.7/23

Right Out: 0.036 ± 0.024 χ^2/NDF : 40.0/35

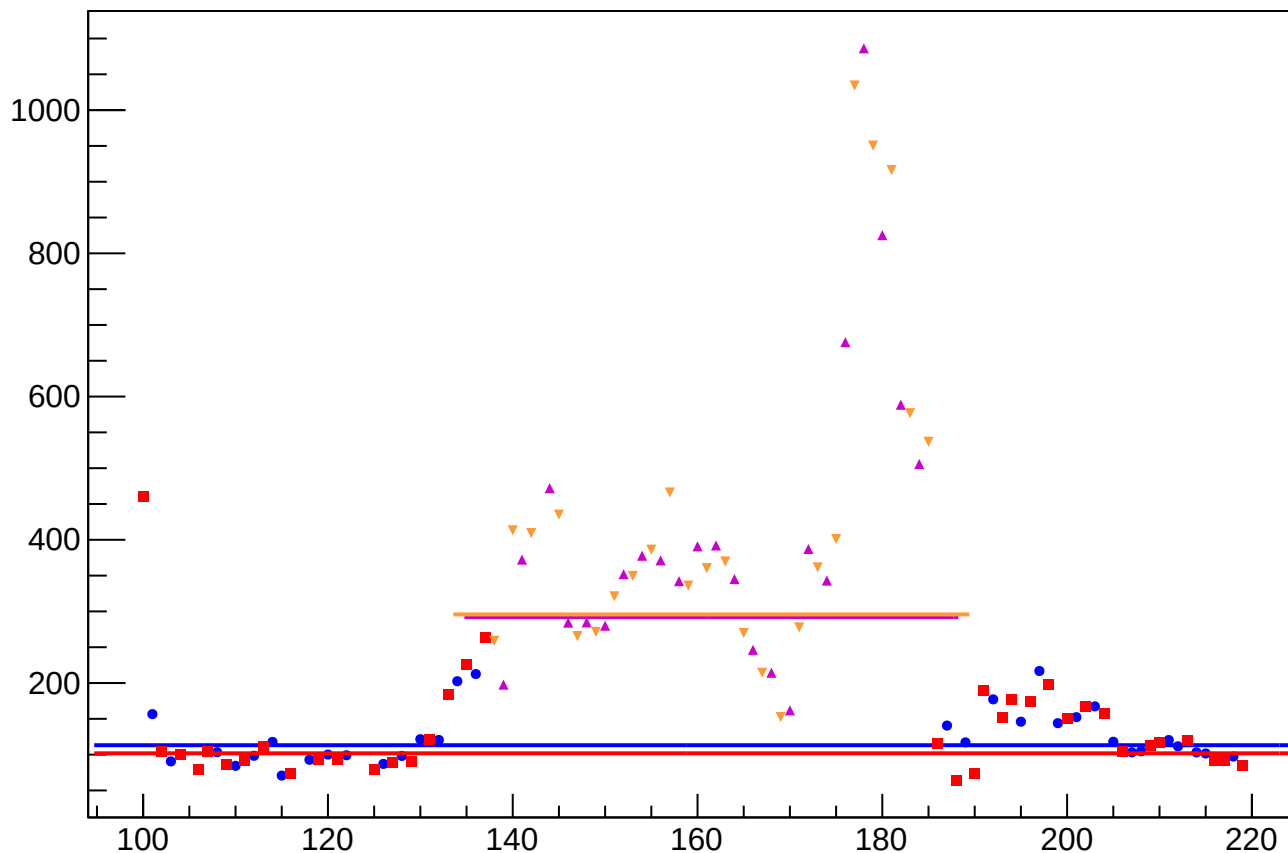
Left In: -0.067 ± 0.075 χ^2/NDF : 25.7/22

+ sign 0.019 ± 0.025 χ^2/NDF : 62.6/55

All: 0.023 ± 0.017 χ^2/NDF : 130.0/114

- sign 0.027 ± 0.023 χ^2/NDF : 67.4/58

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 113.144+/-0.019 χ^2/NDF : 2271058.4/31

Left Out: 295.800+/-0.054 χ^2/NDF : 5501139.3/23

Right Out: 101.845+/-0.017 χ^2/NDF : 3762237.5/35

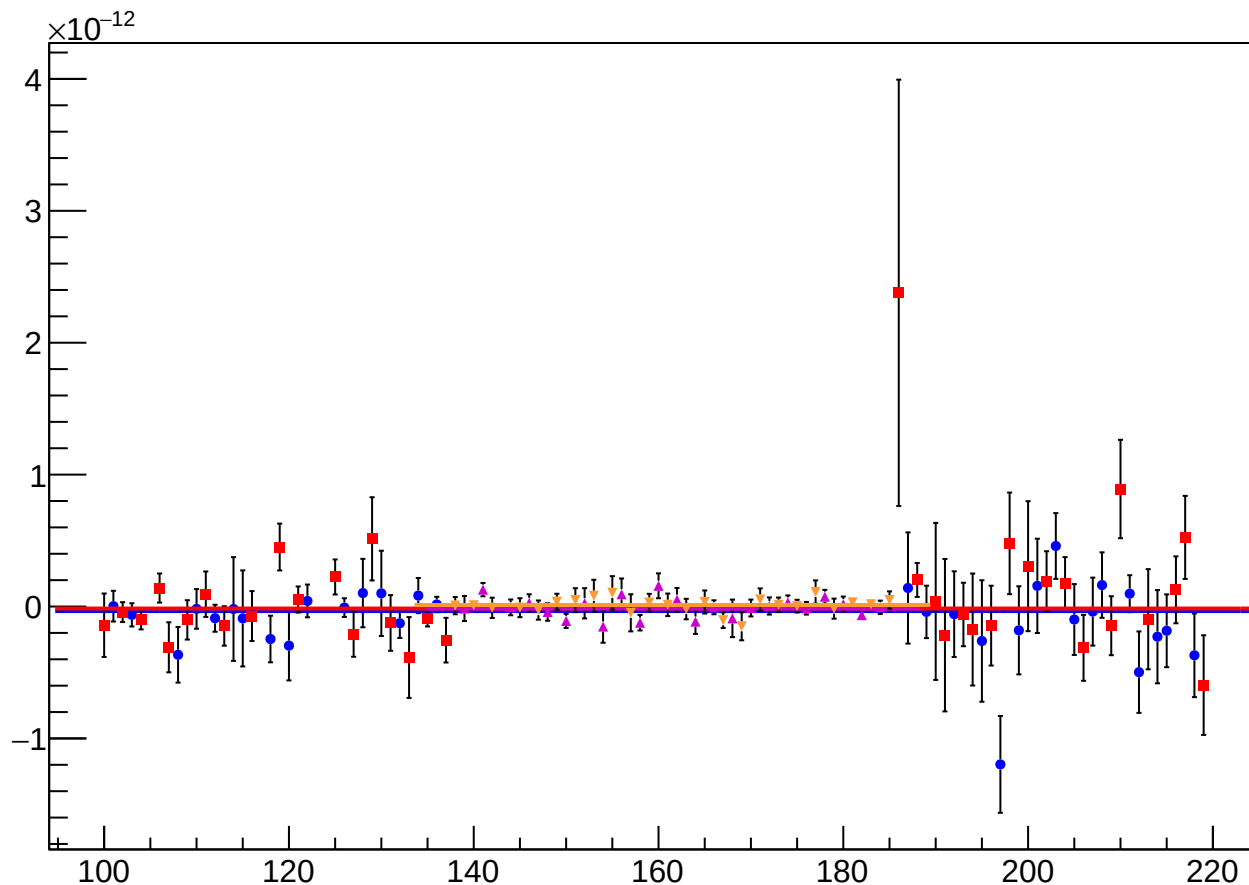
Left In: 292.103+/-0.053 χ^2/NDF : 5055695.7/22

+ sign 133.012+/-0.018 χ^2/NDF : 18066478.8/55

All: 125.608+/-0.012 χ^2/NDF : 38966001.5/11

- sign 119.503+/-0.016 χ^2/NDF : 20581170.1/58

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.0/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 10.6/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 50.4/35

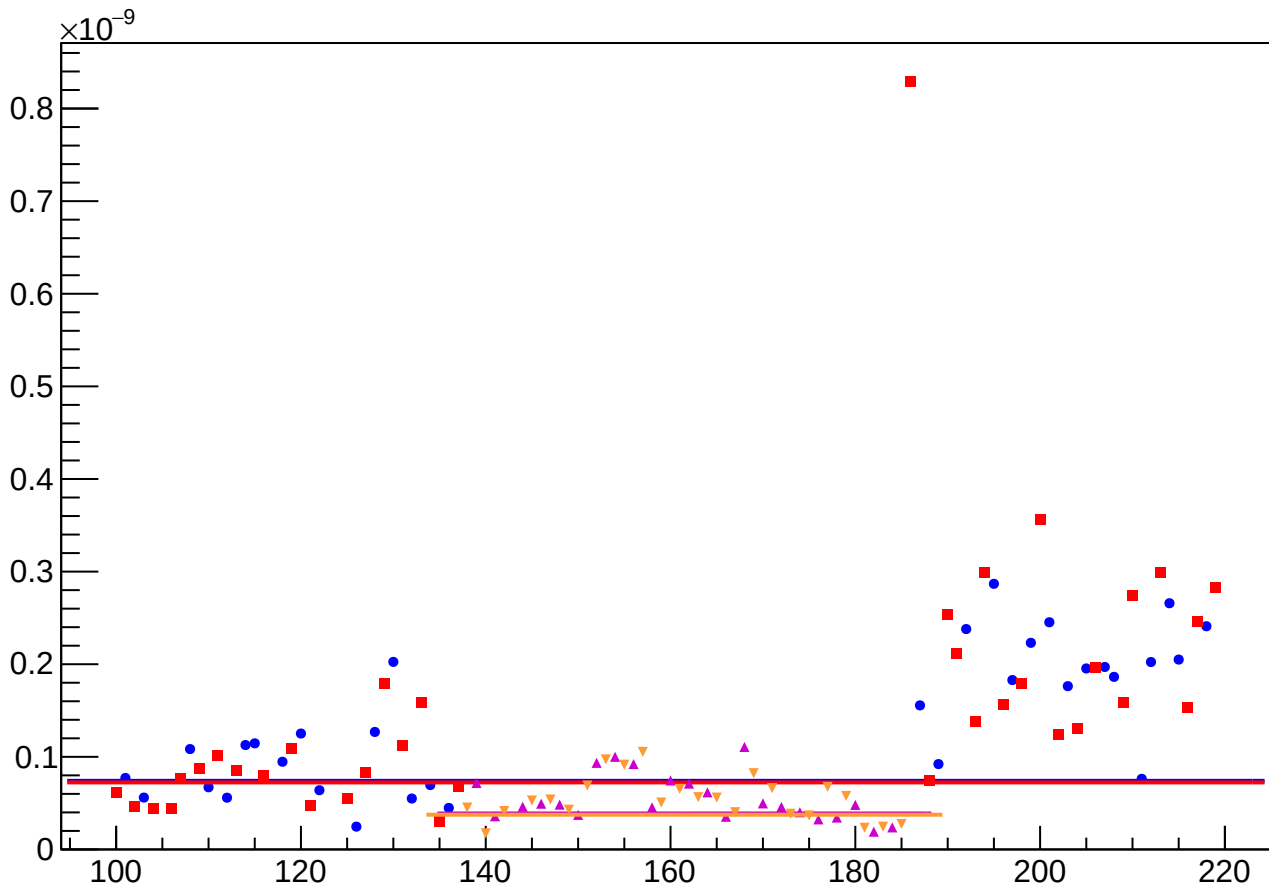
Left In: -0.000 ± 0.000 χ^2/NDF : 30.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 42.0/55

All: -0.000 ± 0.000 χ^2/NDF : 124.7/114

- sign -0.000 ± 0.000 χ^2/NDF : 81.2/58

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 7912182.8/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4983727.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 8687100.7/35

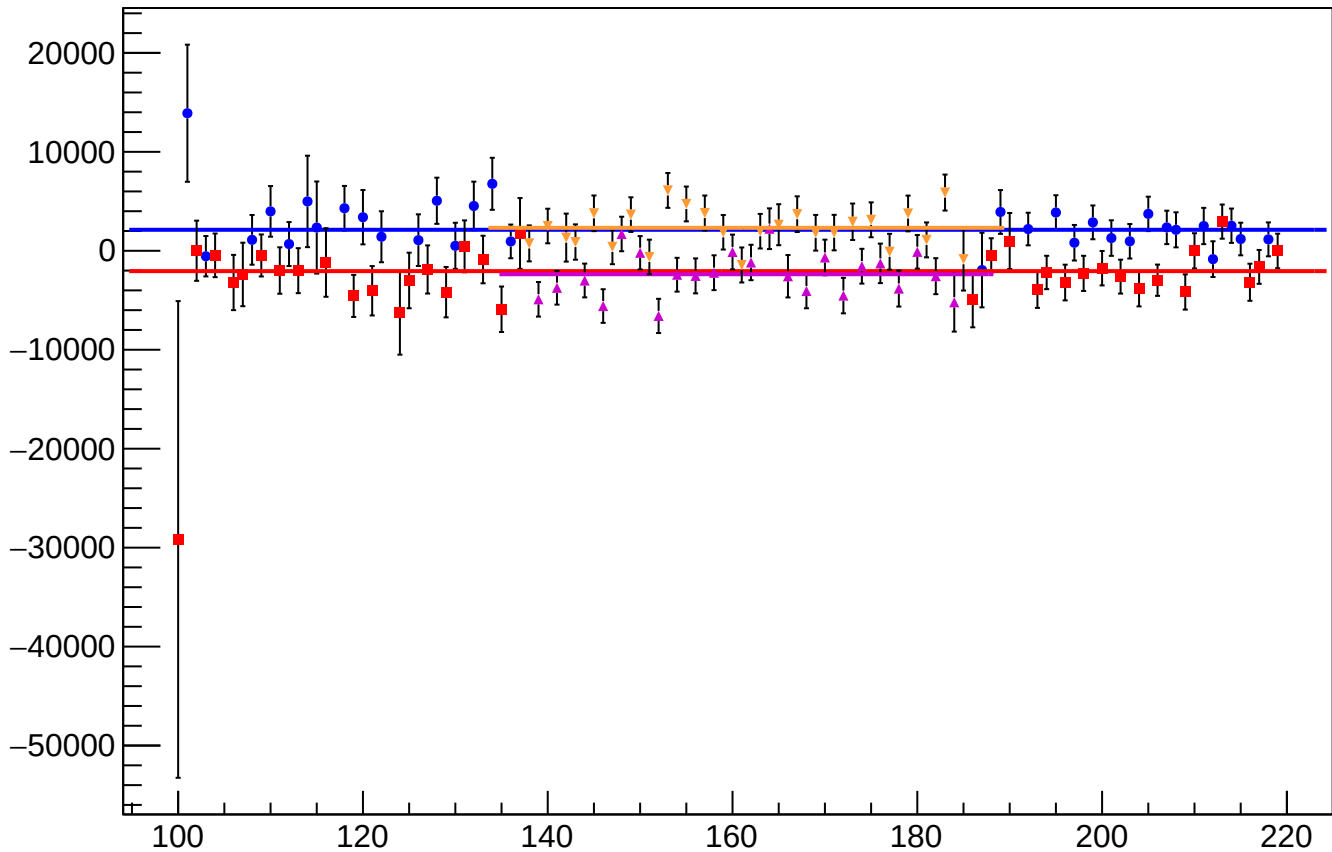
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 4577795.4/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 15959305.8/55

All: 0.000 $\pm$ 0.000 χ^2/NDF : 31926550.3/114

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 15954586.8/58

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2122.728 $\pm$ 366.999 χ^2 /NDF: 22.6/31

Left Out: 2321.067 $\pm$ 366.301 χ^2 /NDF: 27.5/24

Right Out: -2054.749 $\pm$ 356.687 χ^2 /NDF: 30.9/35

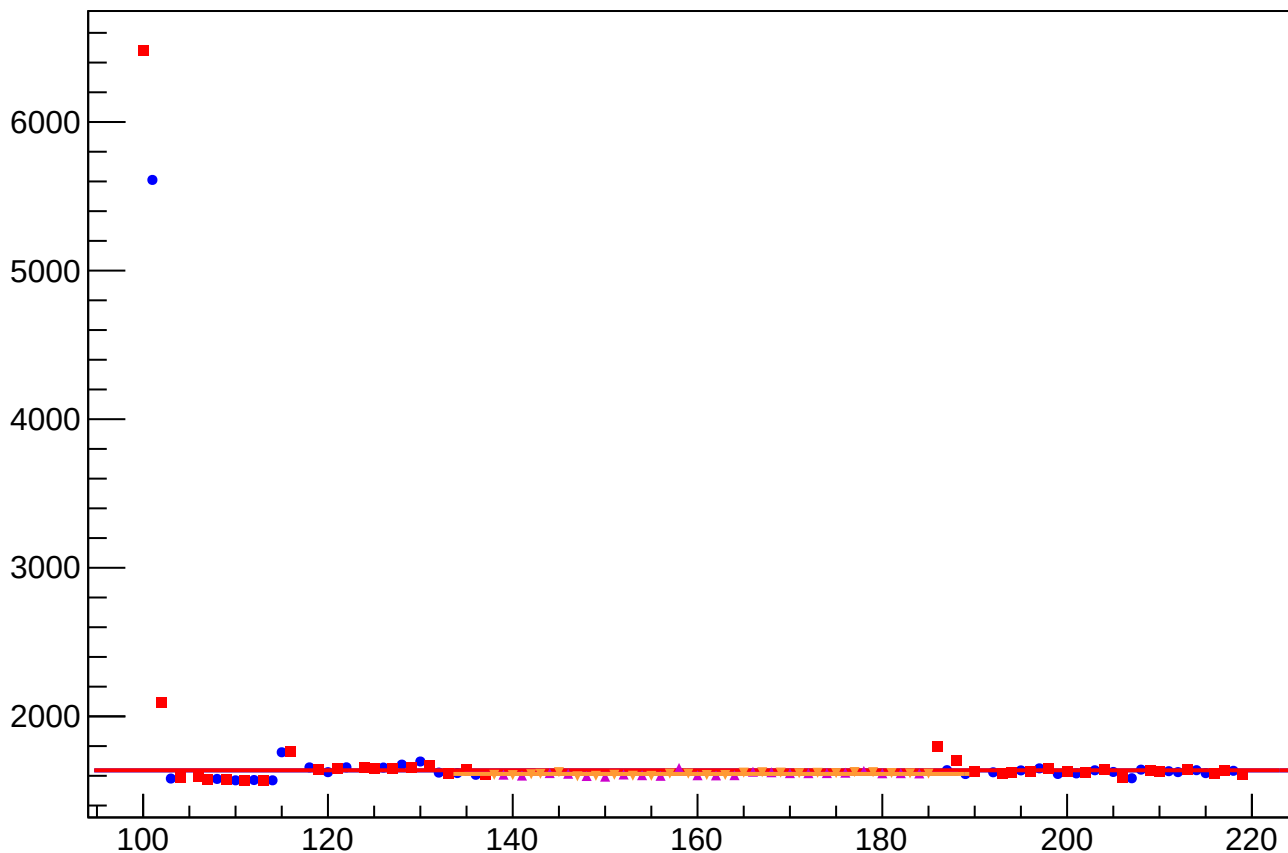
Left In: -2370.629 $\pm$ 376.798 χ^2 /NDF: 33.7/22

+ sign 2222.086 $\pm$ 259.260 χ^2 /NDF: 50.3/56

All: 7.088 $\pm$ 183.245 χ^2 /NDF: 261.2/115

- sign -2204.035 $\pm$ 259.034 χ^2 /NDF: 65.0/58

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1636.261+/-0.260 χ^2/NDF : 671818.1/31

Left Out: 1612.607+/-0.259 χ^2/NDF : 1172.5/24

Right Out: 1637.288+/-0.252 χ^2/NDF : 149745.2/35

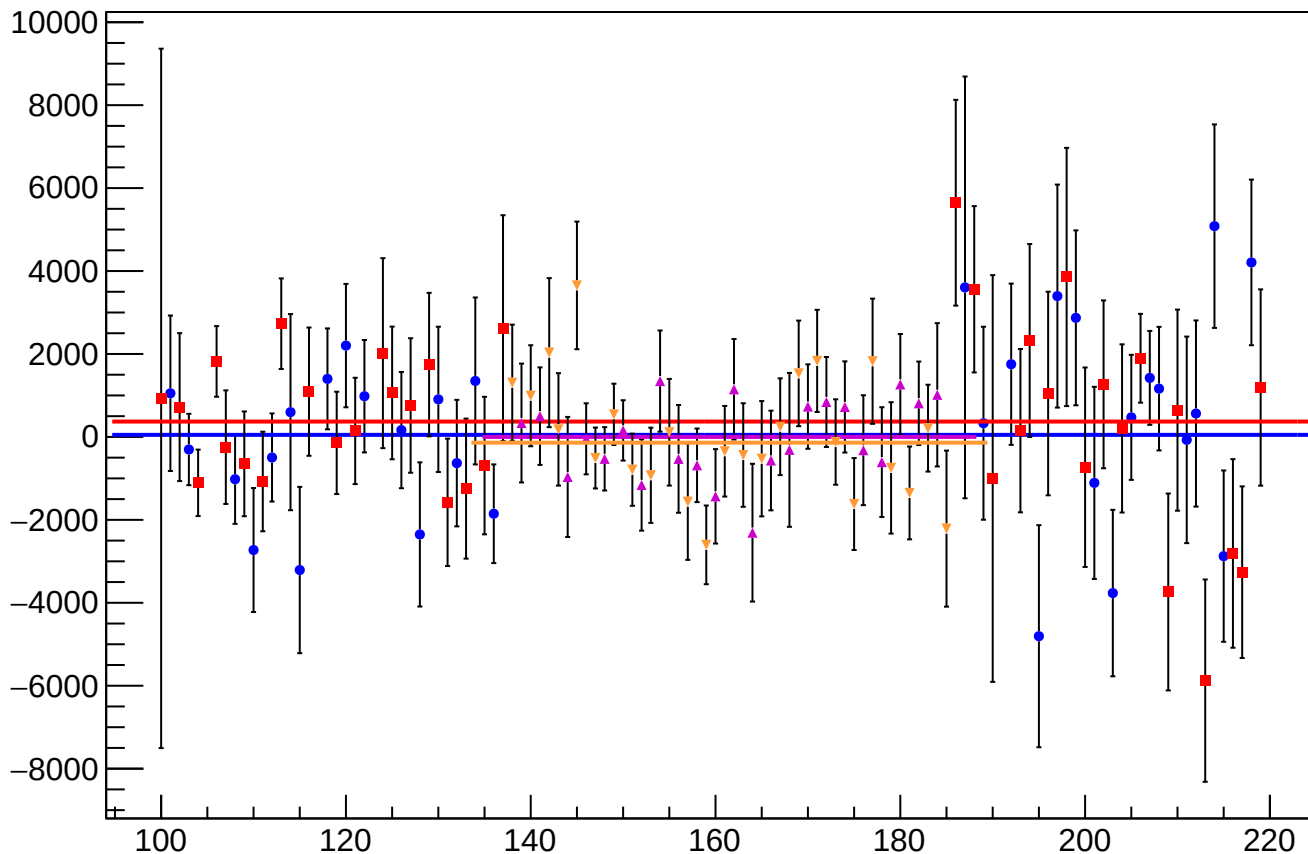
Left In: 1613.793+/-0.266 χ^2/NDF : 2354.6/22

+ sign 1624.412+/-0.183 χ^2/NDF : 677152.6/56

All: 1625.299+/-0.130 χ^2/NDF : 833400.3/115

- sign 1626.184+/-0.183 χ^2/NDF : 156200.9/58

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: 49.500+/-281.884 χ^2/NDF : 41.4/31

Left Out: -139.022+/-229.126 χ^2/NDF : 30.2/24

Right Out: 370.407+/-267.006 χ^2/NDF : 45.1/35

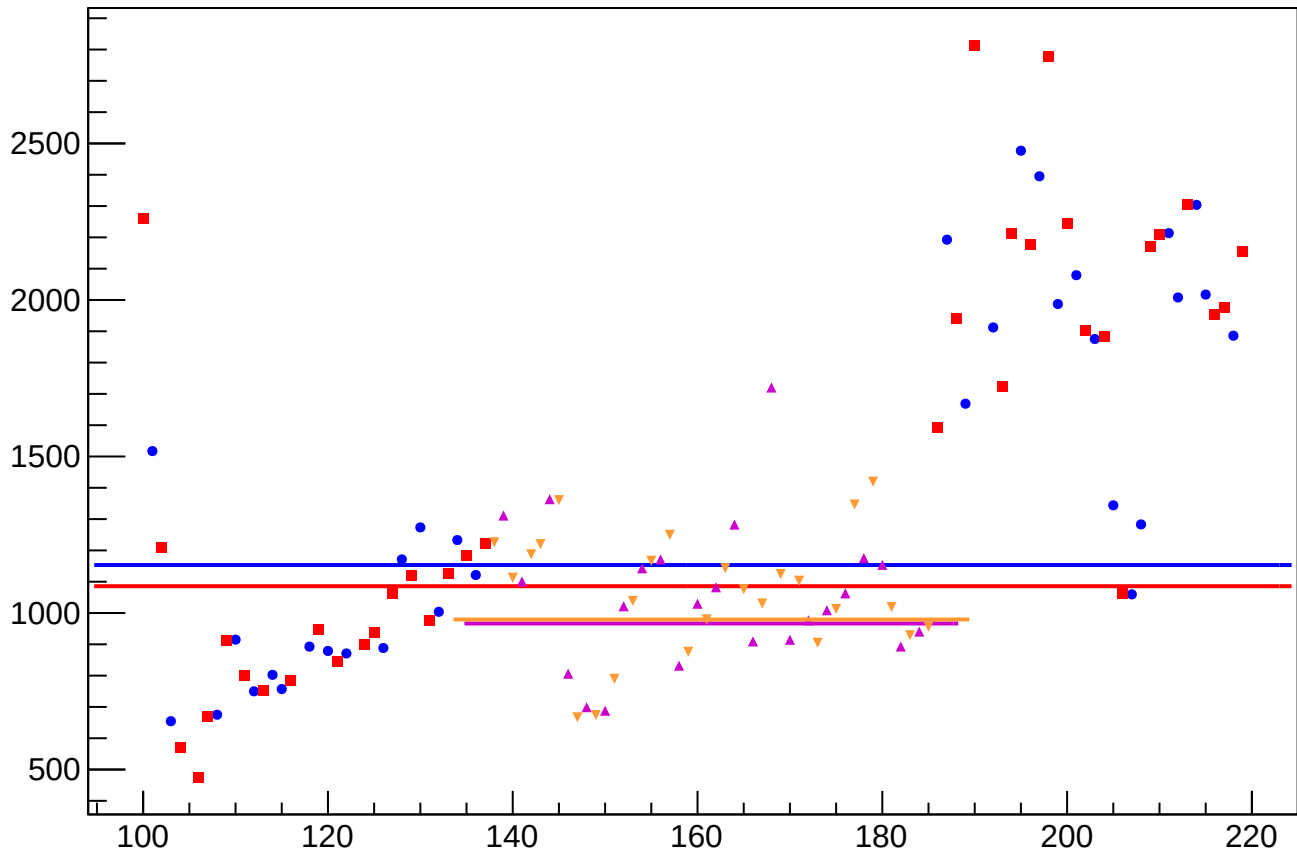
Left In: 0.092+/-231.903 χ^2/NDF : 12.9/22

+ sign -64.019+/-177.799 χ^2/NDF : 71.9/56

All: 49.370+/-124.752 χ^2/NDF : 131.7/115

- sign 159.323+/-175.085 χ^2/NDF : 59.1/58

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1153.332 $\pm$ 0.199 χ^2 /NDF: 6019597.6/31

Left Out: 979.294 $\pm$ 0.162 χ^2 /NDF: 1630623.2/24

Right Out: 1085.633 $\pm$ 0.189 χ^2 /NDF: 8529560.3/35

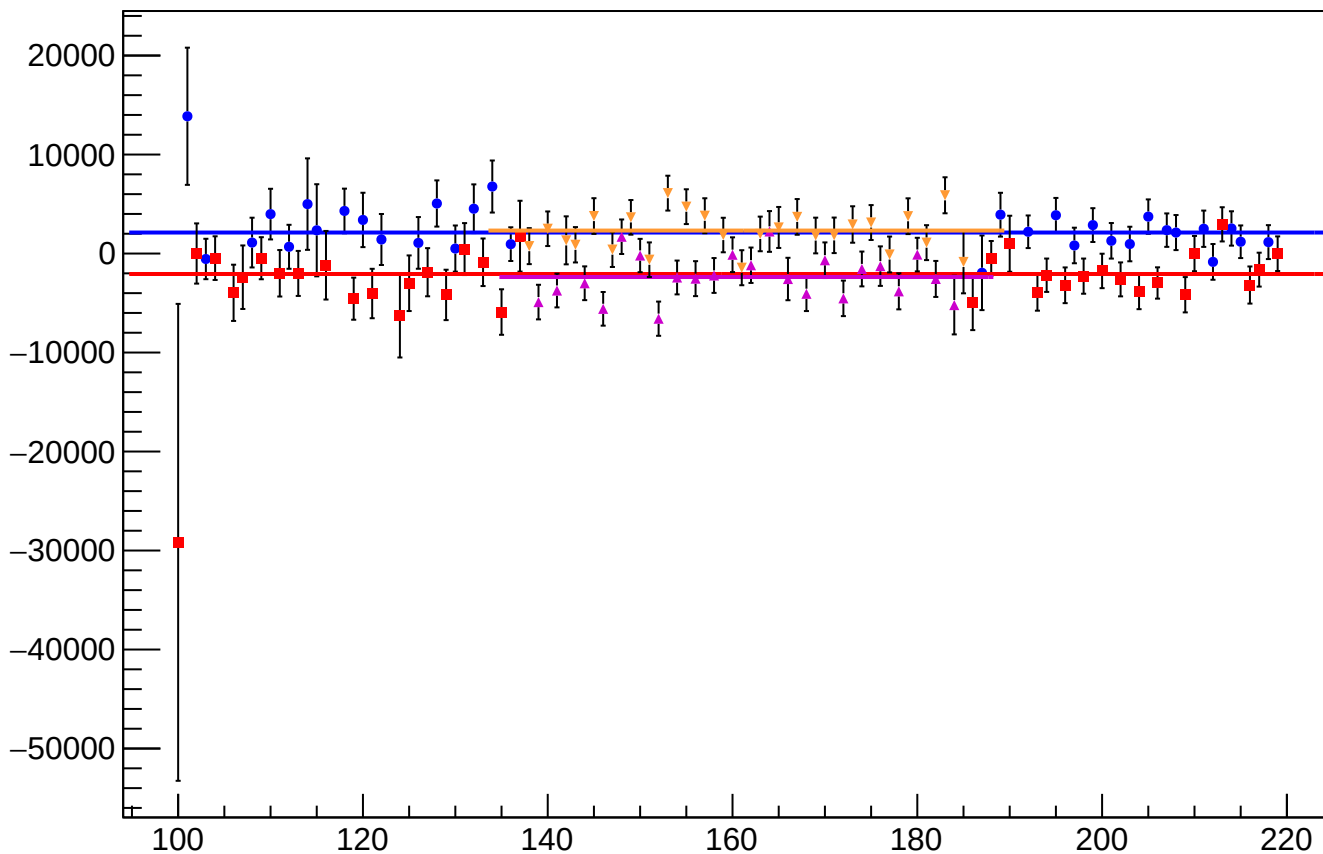
Left In: 966.526 $\pm$ 0.164 χ^2 /NDF: 1602596.2/22

+ sign 1048.535 $\pm$ 0.126 χ^2 /NDF: 8109293.3/56

All: 1032.901 $\pm$ 0.088 χ^2 /NDF: 18498761.6/100

- sign 1017.740 $\pm$ 0.124 χ^2 /NDF: 10359009.5/58

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2122.494 $\pm$ 366.999 χ^2 /NDF: 22.6/31

Left Out: 2321.025 $\pm$ 366.301 χ^2 /NDF:27.5/24

Right Out: -2066.264 $\pm$ 356.787 χ^2 /NDF: 31.2/35

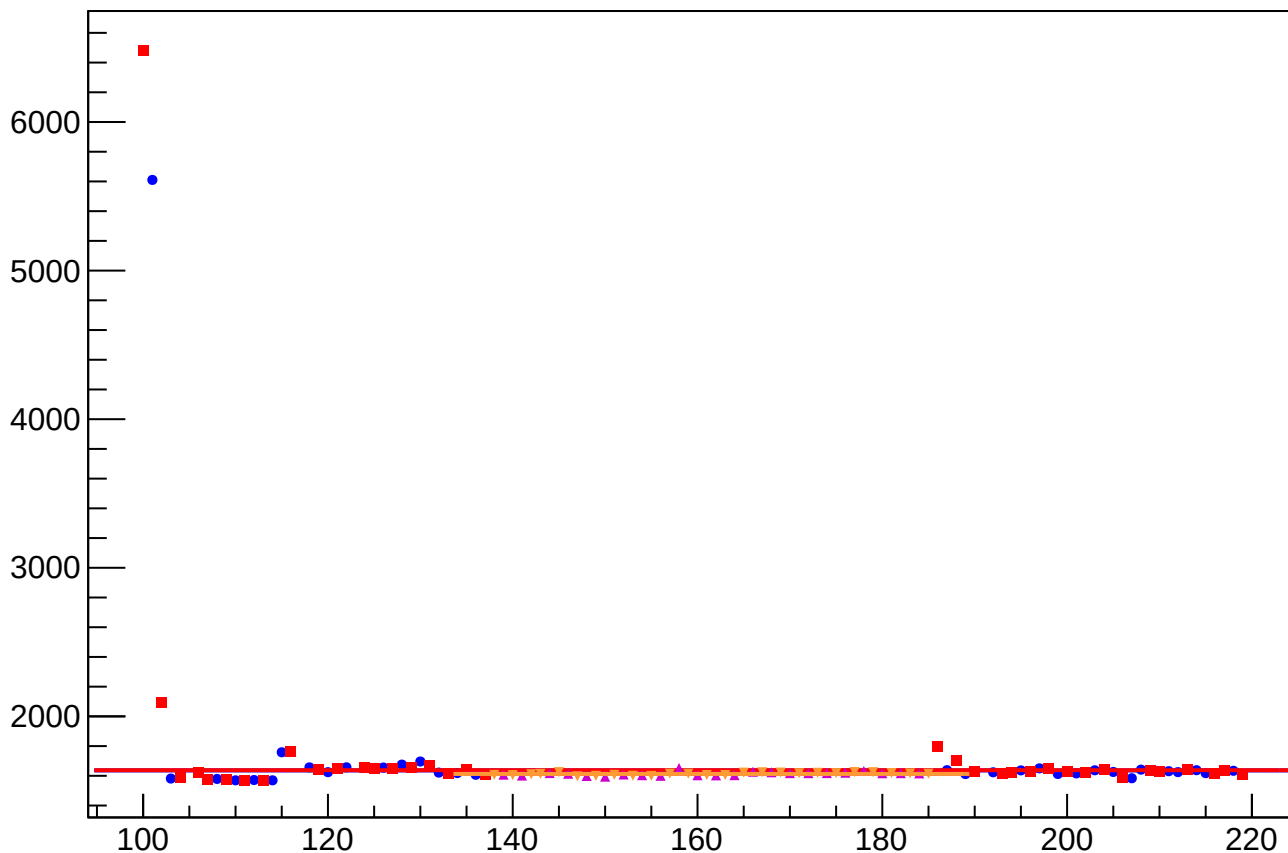
Left In: -2370.700 $\pm$ 376.798 χ^2 /NDF:33.7/22

+ sign 2221.948 $\pm$ 259.260 χ^2 /NDF: 50.3/56

All: 4.270 $\pm$ 183.258 χ^2 /NDF: 261.8/115

- sign -2210.184 $\pm$ 259.072 χ^2 /NDF: 65.3/58

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1636.261+/-0.260 χ^2/NDF : 671817.7/31

Left Out: 1612.607+/-0.259 χ^2/NDF : 1172.5/24

Right Out: 1637.731+/-0.252 χ^2/NDF : 149322.3/35

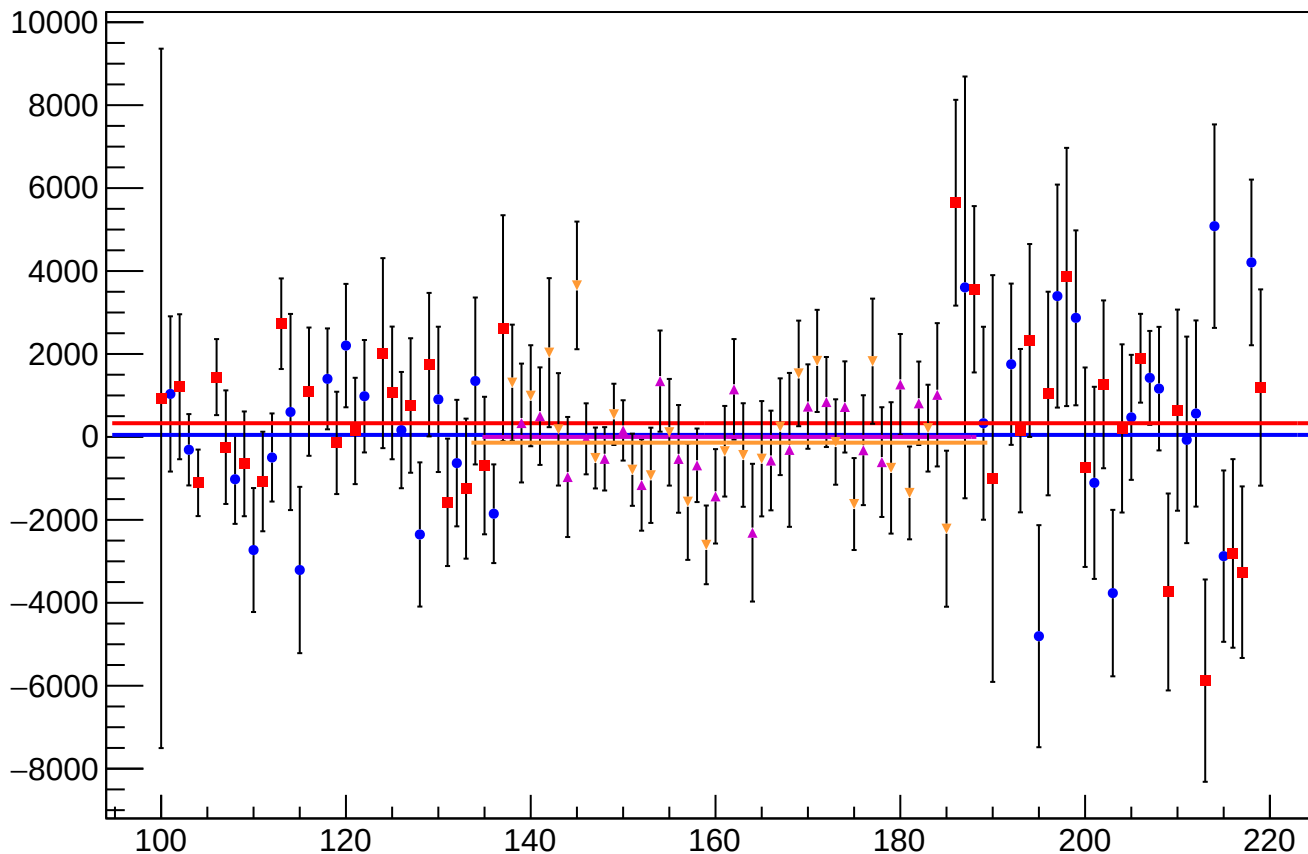
Left In: 1613.793+/-0.266 χ^2/NDF : 2354.6/22

+ sign 1624.412+/-0.183 χ^2/NDF : 677152.1/56

All: 1625.414+/-0.130 χ^2/NDF : 833144.6/115

- sign 1626.414+/-0.183 χ^2/NDF : 155932.8/58

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: 48.549 $\pm$ 281.859 χ^2 /NDF: 41.4/31

Left Out: -139.074 $\pm$ 229.125 χ^2 /NDF:30.2/24

Right Out: 330.347 $\pm$ 268.721 χ^2 /NDF: 43.7/35

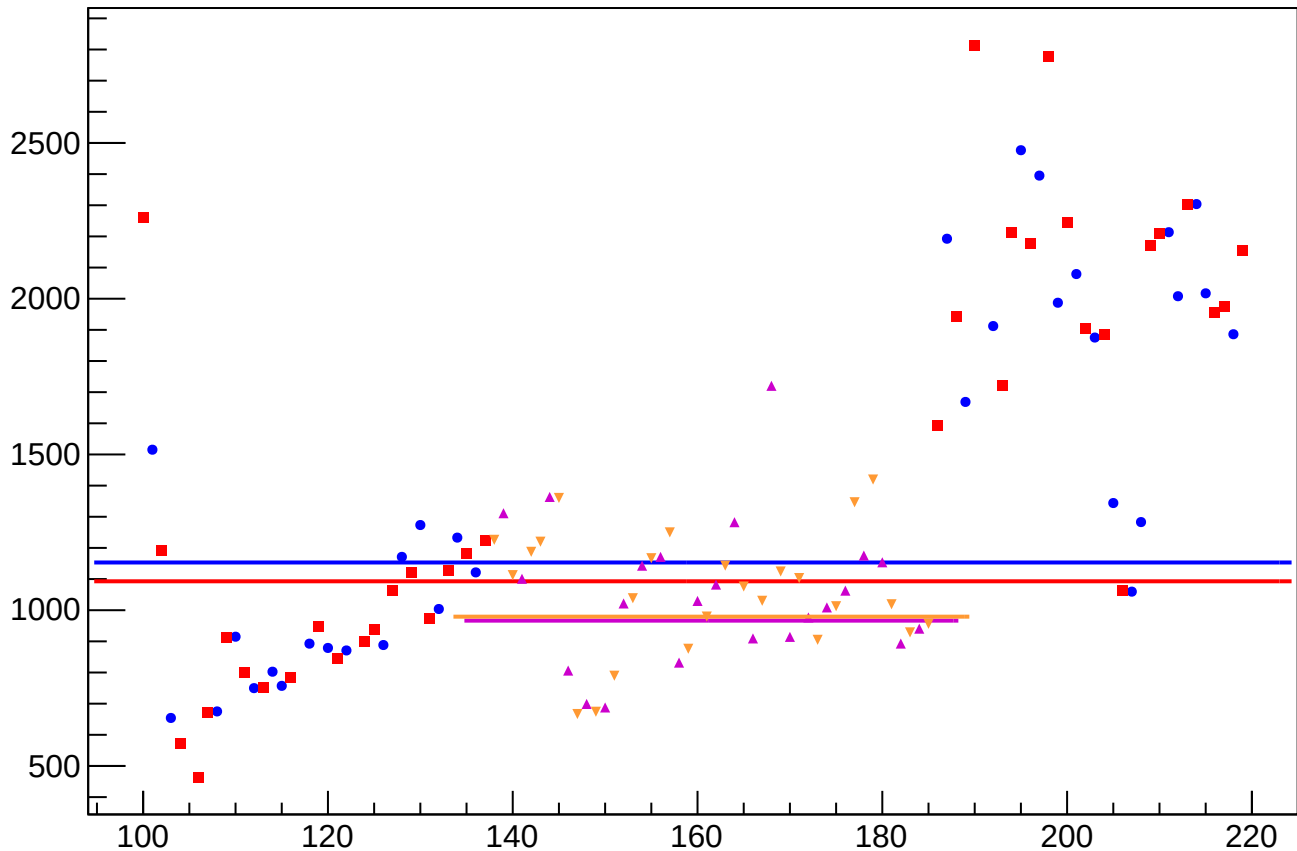
Left In: 0.068 $\pm$ 231.904 χ^2 /NDF:12.9/22

+ sign -64.421 $\pm$ 177.792 χ^2 /NDF: 71.9/56

All: 39.608 $\pm$ 124.924 χ^2 /NDF: 130.0/115

- sign 141.049 $\pm$ 175.566 χ^2 /NDF: 57.5/58

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1153.217 $\pm$ 0.199 χ^2 /NDF: 6020580.4/31

Left Out: 979.288 $\pm$ 0.162 χ^2 /NDF:1630731.2/24

Right Out: 1092.820 $\pm$ 0.190 χ^2 /NDF: 8414914.2/35

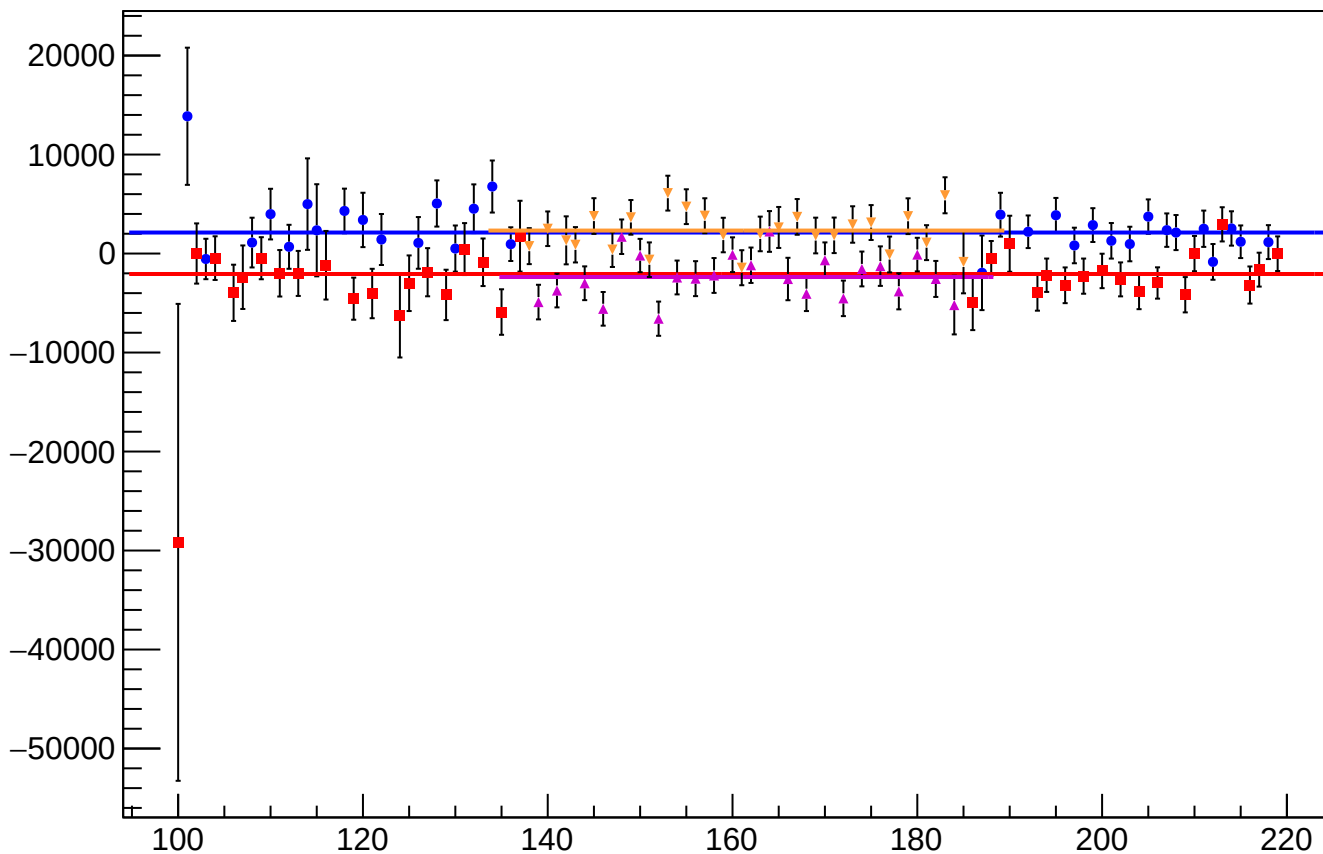
Left In: 966.531 $\pm$ 0.164 χ^2 /NDF:1602562.1/22

+ sign 1048.493 $\pm$ 0.126 χ^2 /NDF: 8109864.3/56

All: 1034.289 $\pm$ 0.088 χ^2 /NDF: 18405727.9/1

- sign 1020.438 $\pm$ 0.124 χ^2 /NDF: 10270651.4/58

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2122.494 $\pm$ 366.999 χ^2 /NDF: 22.6/31

Left Out: 2321.025 $\pm$ 366.301 χ^2 /NDF: 27.5/24

Right Out: -2066.264 $\pm$ 356.787 χ^2 /NDF: 31.2/35

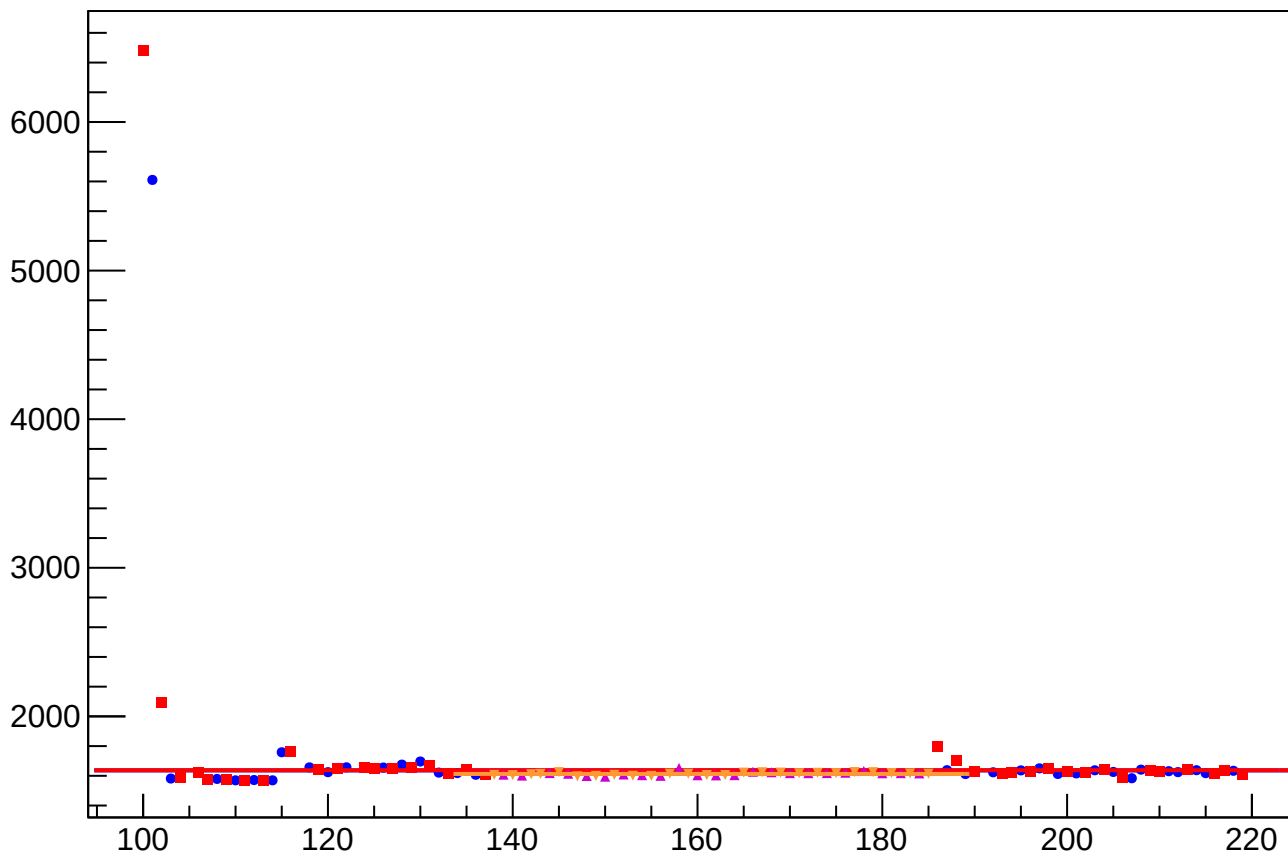
Left In: -2370.700 $\pm$ 376.798 χ^2 /NDF: 33.7/22

+ sign 2221.948 $\pm$ 259.260 χ^2 /NDF: 50.3/56

All: 4.270 $\pm$ 183.258 χ^2 /NDF: 261.8/115

- sign -2210.184 $\pm$ 259.072 χ^2 /NDF: 65.3/58

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1636.261 $\pm$ 0.260 χ^2 /NDF: 671817.7/31

Left Out: 1612.607 $\pm$ 0.259 χ^2 /NDF: 1172.5/24

Right Out: 1637.731 $\pm$ 0.252 χ^2 /NDF: 149322.3/35

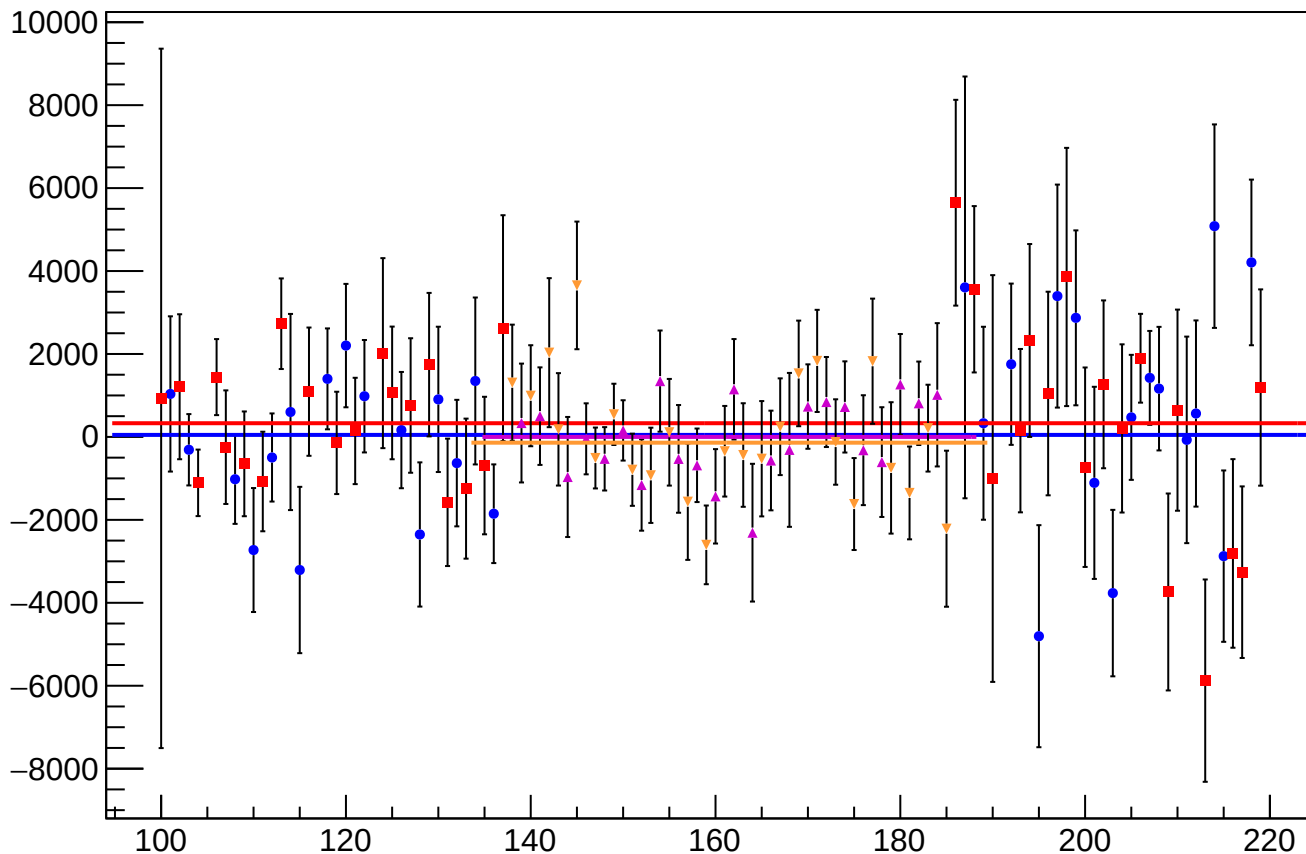
Left In: 1613.793 $\pm$ 0.266 χ^2 /NDF: 2354.6/22

+ sign 1624.412 $\pm$ 0.183 χ^2 /NDF: 677152.1/56

All: 1625.414 $\pm$ 0.130 χ^2 /NDF: 833144.6/115

- sign 1626.414 $\pm$ 0.183 χ^2 /NDF: 155932.8/58

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: 48.549 $\pm$ 281.859 χ^2 /NDF: 41.4/31

Left Out: -139.074 $\pm$ 229.125 χ^2 /NDF:30.2/24

Right Out: 330.347 $\pm$ 268.721 χ^2 /NDF: 43.7/35

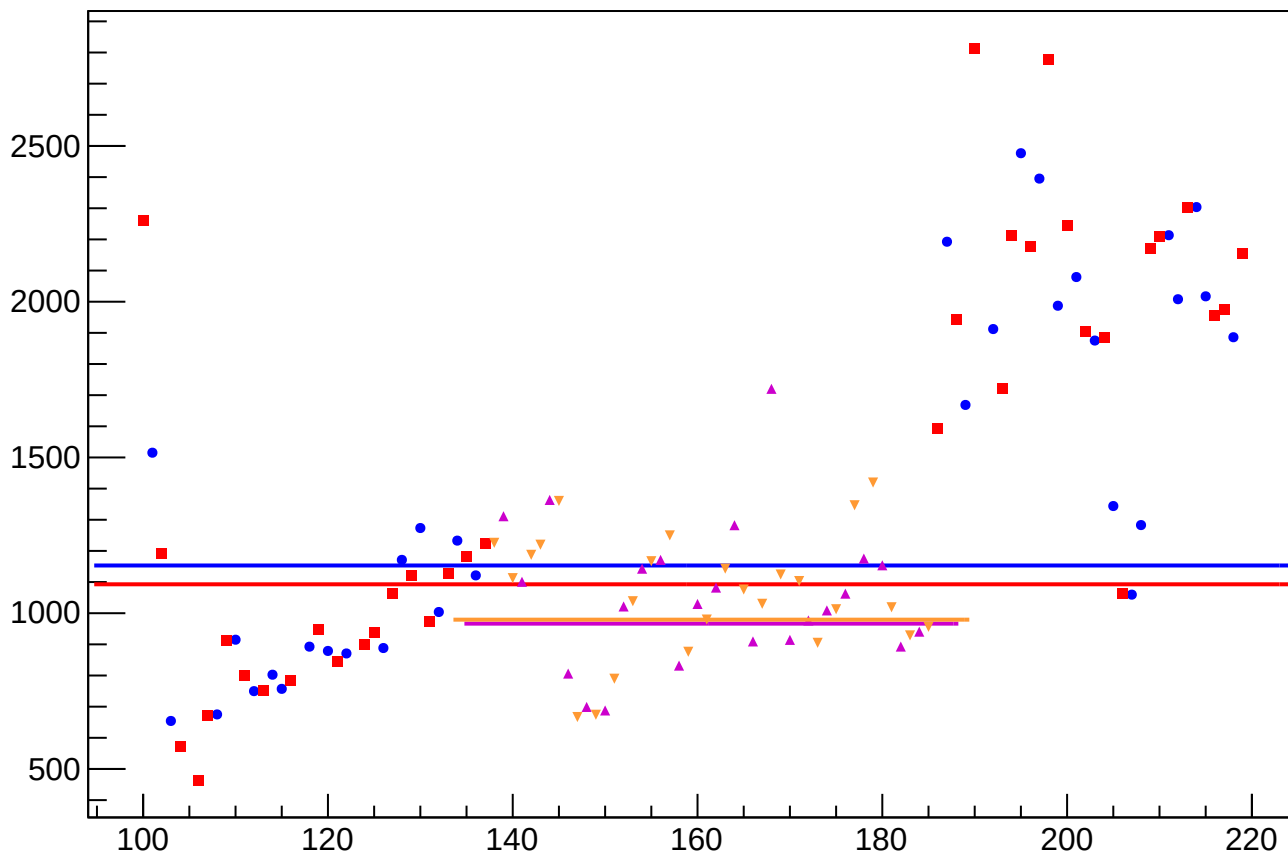
Left In: 0.068 $\pm$ 231.904 χ^2 /NDF:12.9/22

+ sign -64.421 $\pm$ 177.792 χ^2 /NDF: 71.9/56

All: 39.608 $\pm$ 124.924 χ^2 /NDF: 130.0/115

- sign 141.049 $\pm$ 175.566 χ^2 /NDF: 57.5/58

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 1153.217 $\pm$ 0.199 χ^2 /NDF: 6020580.4/31

Left Out: 979.288 $\pm$ 0.162 χ^2 /NDF:1630731.2/24

Right Out: 1092.820 $\pm$ 0.190 χ^2 /NDF: 8414914.2/35

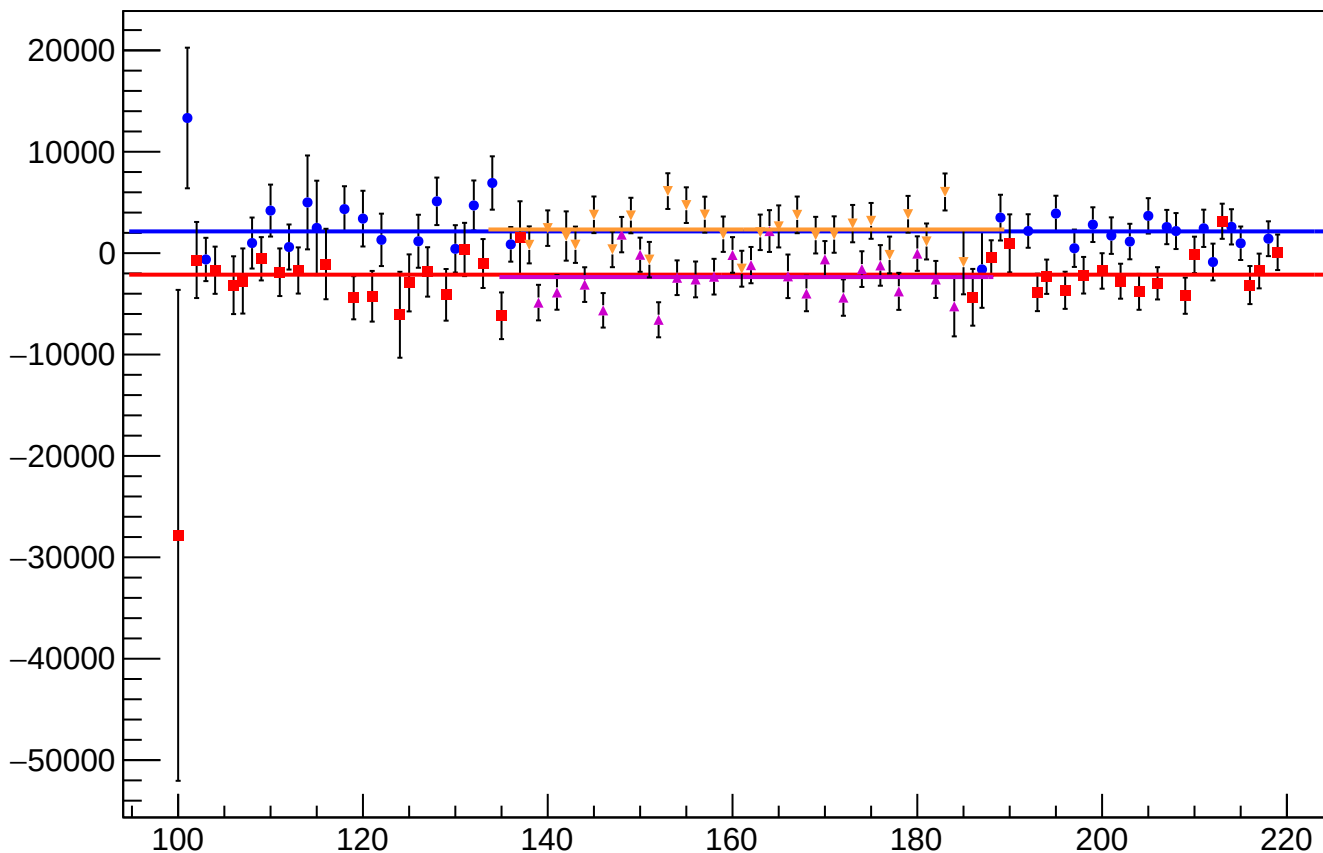
Left In: 966.531 $\pm$ 0.164 χ^2 /NDF:1602562.1/22

+ sign 1048.493 $\pm$ 0.126 χ^2 /NDF: 8109864.3/56

All: 1034.289 $\pm$ 0.088 χ^2 /NDF: 18405727.9/1

- sign 1020.438 $\pm$ 0.124 χ^2 /NDF: 10270651.4/58

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2144.845 $\pm$ 368.983 χ^2 /NDF: 22.5/31

Left Out: 2334.840 $\pm$ 366.991 χ^2 /NDF: 28.3/24

Right Out: -2122.403 $\pm$ 359.576 χ^2 /NDF: 30.2/35

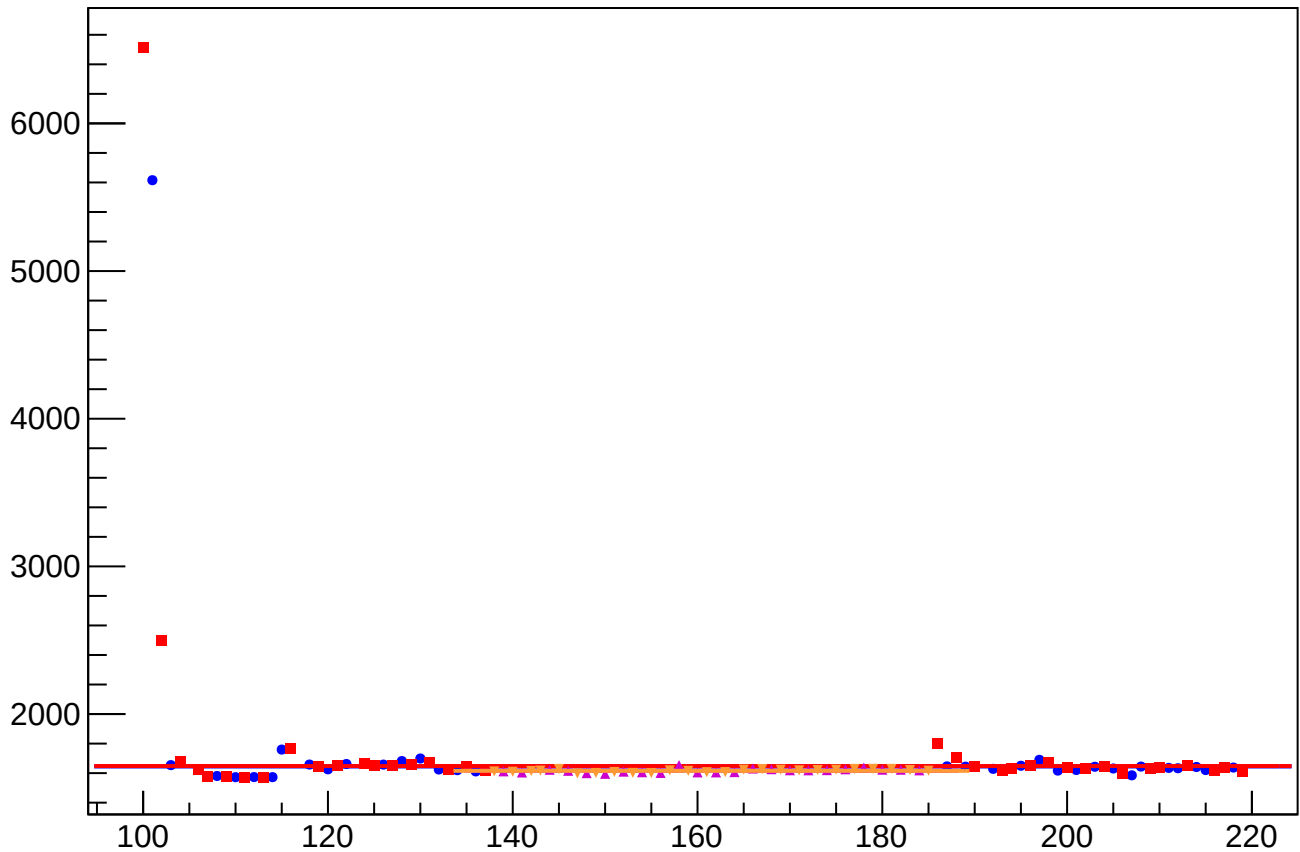
Left In: -2360.289 $\pm$ 377.400 χ^2 /NDF: 34.0/22

+ sign 2240.357 $\pm$ 260.203 χ^2 /NDF: 50.9/56

All: 3.487 $\pm$ 184.037 χ^2 /NDF: 263.3/115

- sign -2235.596 $\pm$ 260.332 χ^2 /NDF: 64.5/58

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1645.010+/-0.261 χ^2/NDF : 670707.6/31

Left Out: 1615.633+/-0.260 χ^2/NDF : 1447.2/24

Right Out: 1647.901+/-0.254 χ^2/NDF : 207229.7/35

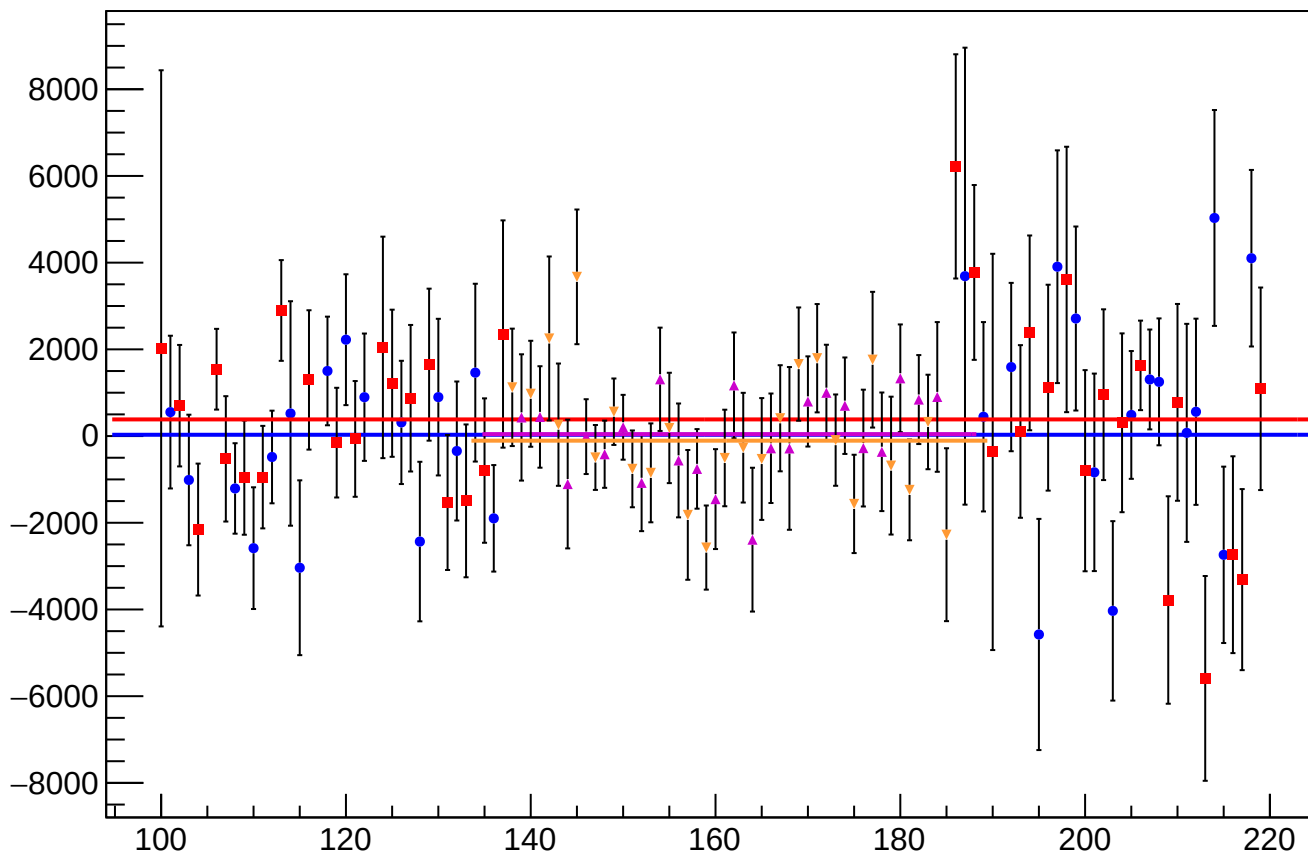
Left In: 1616.361+/-0.267 χ^2/NDF : 2557.7/22

+ sign 1630.242+/-0.184 χ^2/NDF : 678527.5/56

All: 1631.567+/-0.130 χ^2/NDF : 895740.6/115

- sign 1632.893+/-0.184 χ^2/NDF : 217109.3/58

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: 29.766+/-294.563 χ^2/NDF : 40.7/31

Left Out: -106.338+/-234.306 χ^2/NDF : 29.0/24

Right Out: 384.011+/-282.070 χ^2/NDF : 43.8/35

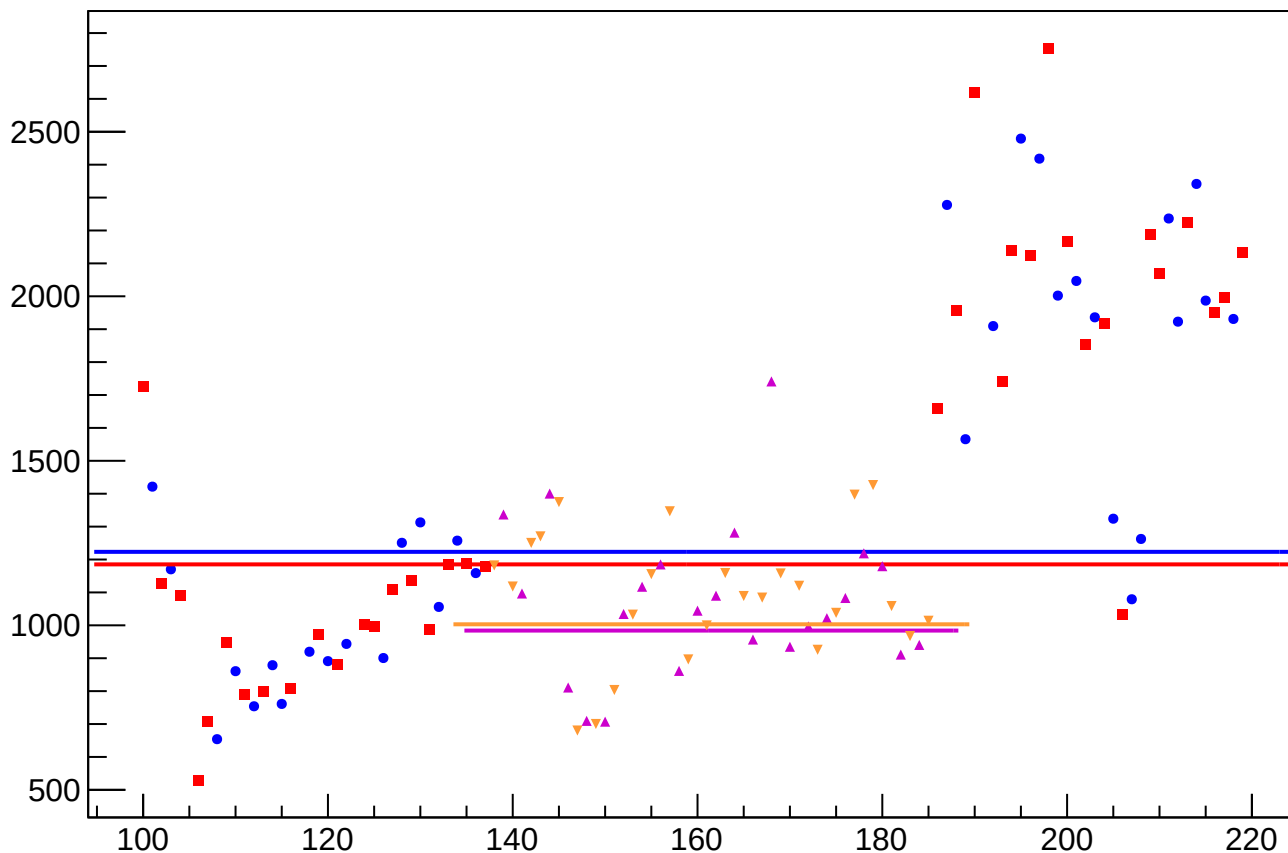
Left In: 44.469+/-235.733 χ^2/NDF : 12.8/22

+ sign -53.594+/-183.370 χ^2/NDF : 69.9/56

All: 66.874+/-128.774 χ^2/NDF : 128.1/115

- sign 184.096+/-180.882 χ^2/NDF : 57.4/58

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1223.328+/-0.208 χ^2/NDF : 5199414.9/31

Left Out: 1003.101+/-0.166 χ^2/NDF : 1598415.6/24

Right Out: 1185.224+/-0.199 χ^2/NDF : 6789312.0/35

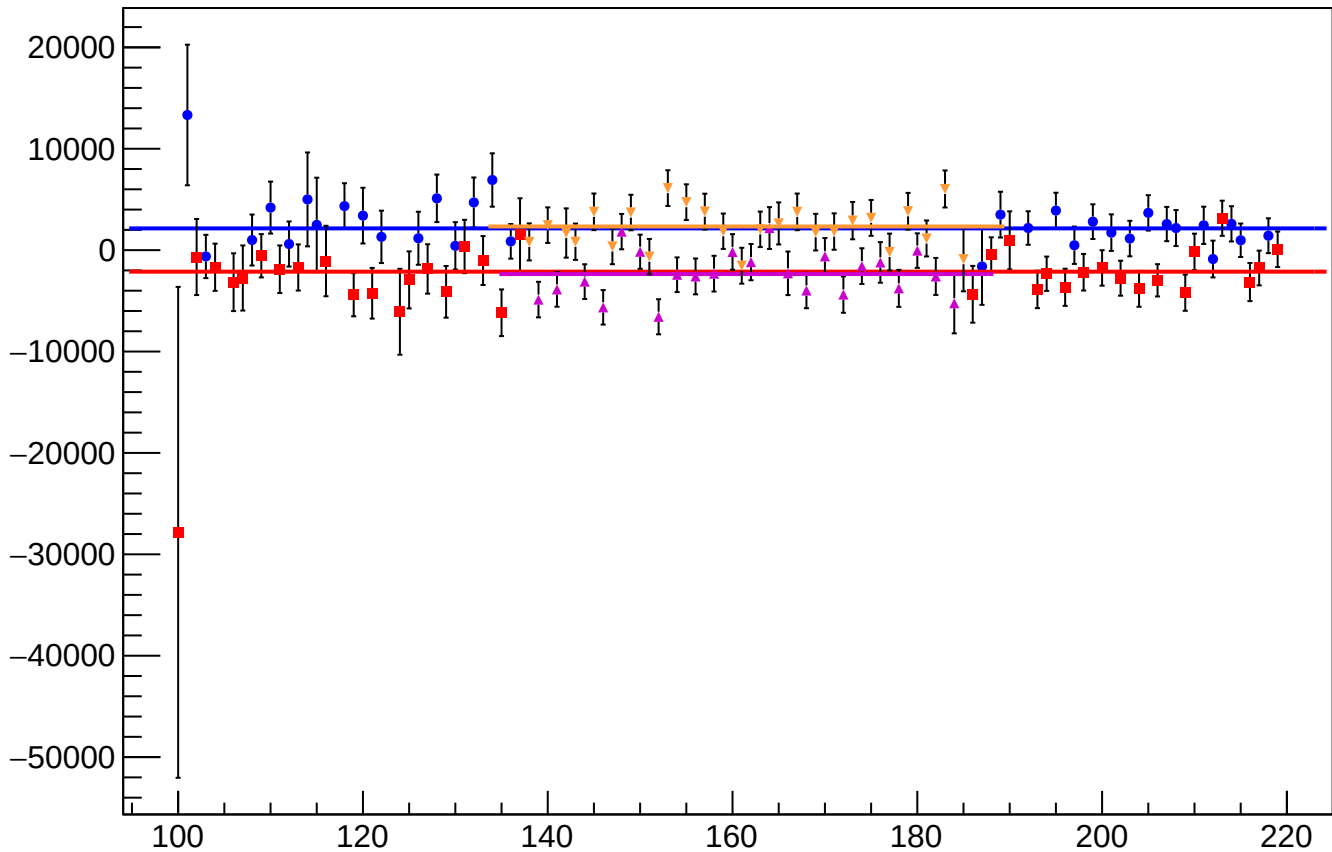
Left In: 984.053+/-0.167 χ^2/NDF : 1559561.5/22

+ sign 1088.444+/-0.130 χ^2/NDF : 7482538.3/56

All: 1077.464+/-0.091 χ^2/NDF : 16444516.9/1

- sign 1066.779+/-0.128 χ^2/NDF : 8947828.5/58

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2144.847 $\pm$ 368.983 χ^2 /NDF: 22.5/31

Left Out: 2334.839 $\pm$ 366.991 χ^2 /NDF: 28.3/24

Right Out: -2122.403 $\pm$ 359.576 χ^2 /NDF: 30.2/35

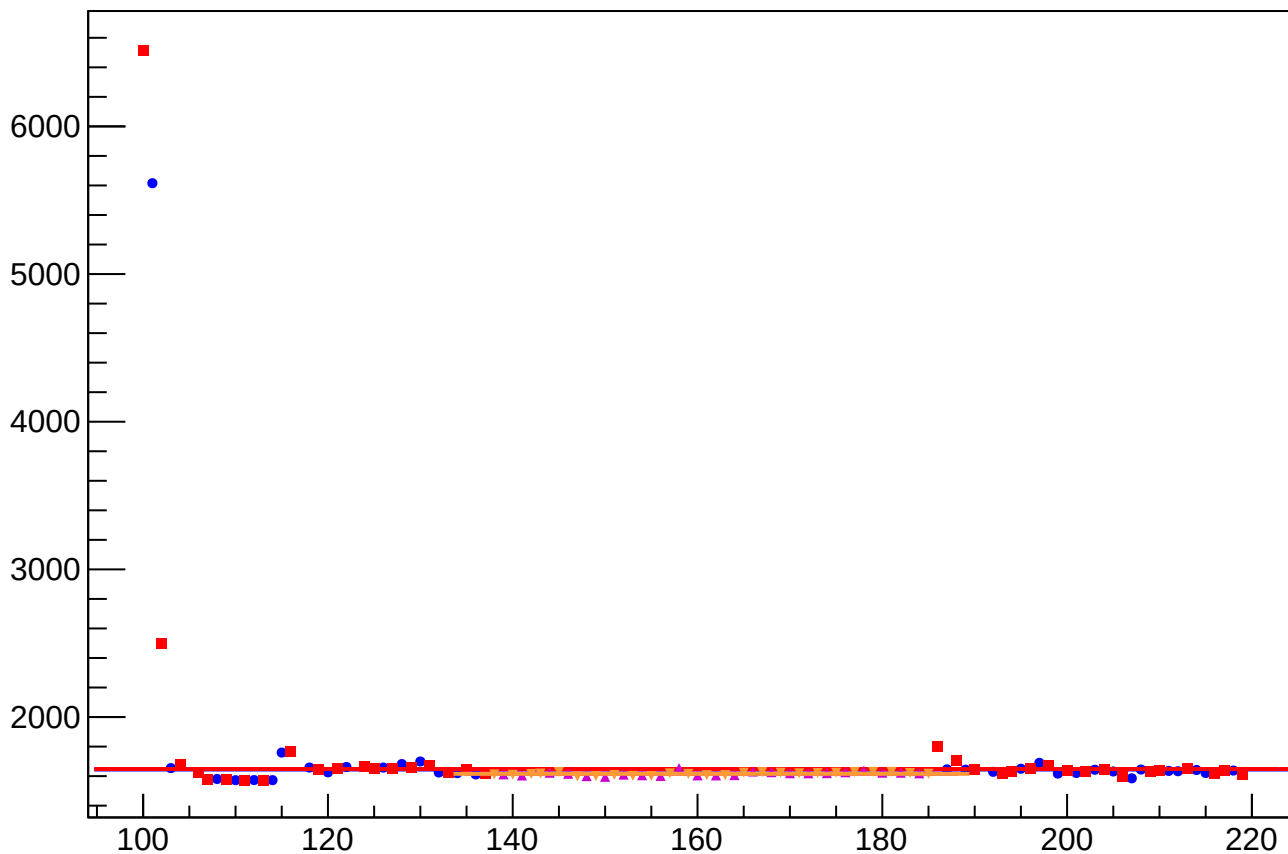
Left In: -2360.289 $\pm$ 377.400 χ^2 /NDF: 34.0/22

+ sign 2240.357 $\pm$ 260.203 χ^2 /NDF: 50.9/56

All: 3.487 $\pm$ 184.037 χ^2 /NDF: 263.3/115

- sign -2235.596 $\pm$ 260.332 χ^2 /NDF: 64.5/58

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1645.009 $\pm$ 0.261 χ^2 /NDF: 670707.6/31

Left Out: 1615.633 $\pm$ 0.260 χ^2 /NDF: 1447.2/24

Right Out: 1647.900 $\pm$ 0.254 χ^2 /NDF: 207229.6/35

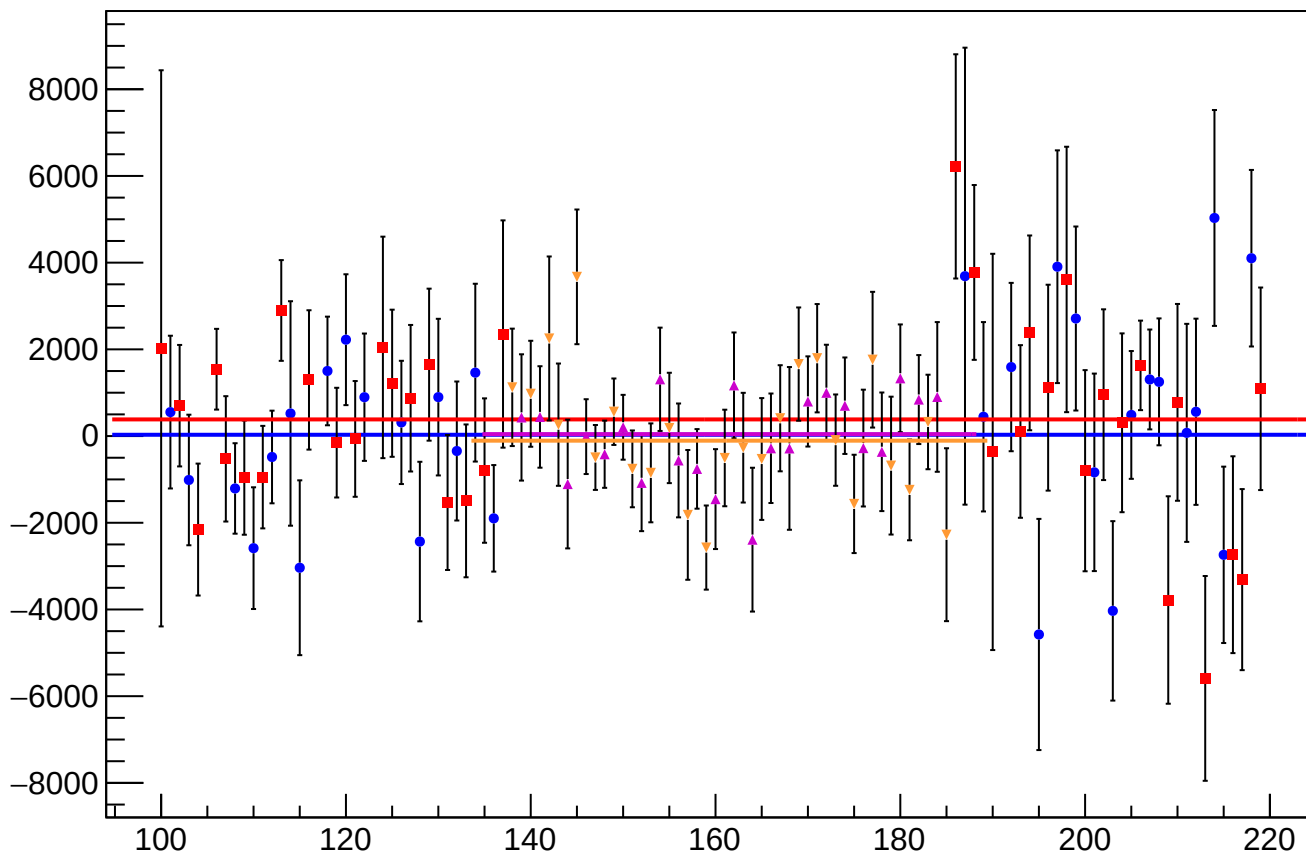
Left In: 1616.361 $\pm$ 0.267 χ^2 /NDF: 2557.7/22

+ sign 1630.242 $\pm$ 0.184 χ^2 /NDF: 678527.5/56

All: 1631.567 $\pm$ 0.130 χ^2 /NDF: 895740.4/115

- sign 1632.893 $\pm$ 0.184 χ^2 /NDF: 217109.1/58

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug



Right In: 29.765+/-294.563 χ^2/NDF : 40.7/31

Left Out: -106.340+/-234.307 χ^2/NDF : 29.0/24

Right Out: 384.009+/-282.070 χ^2/NDF : 43.8/35

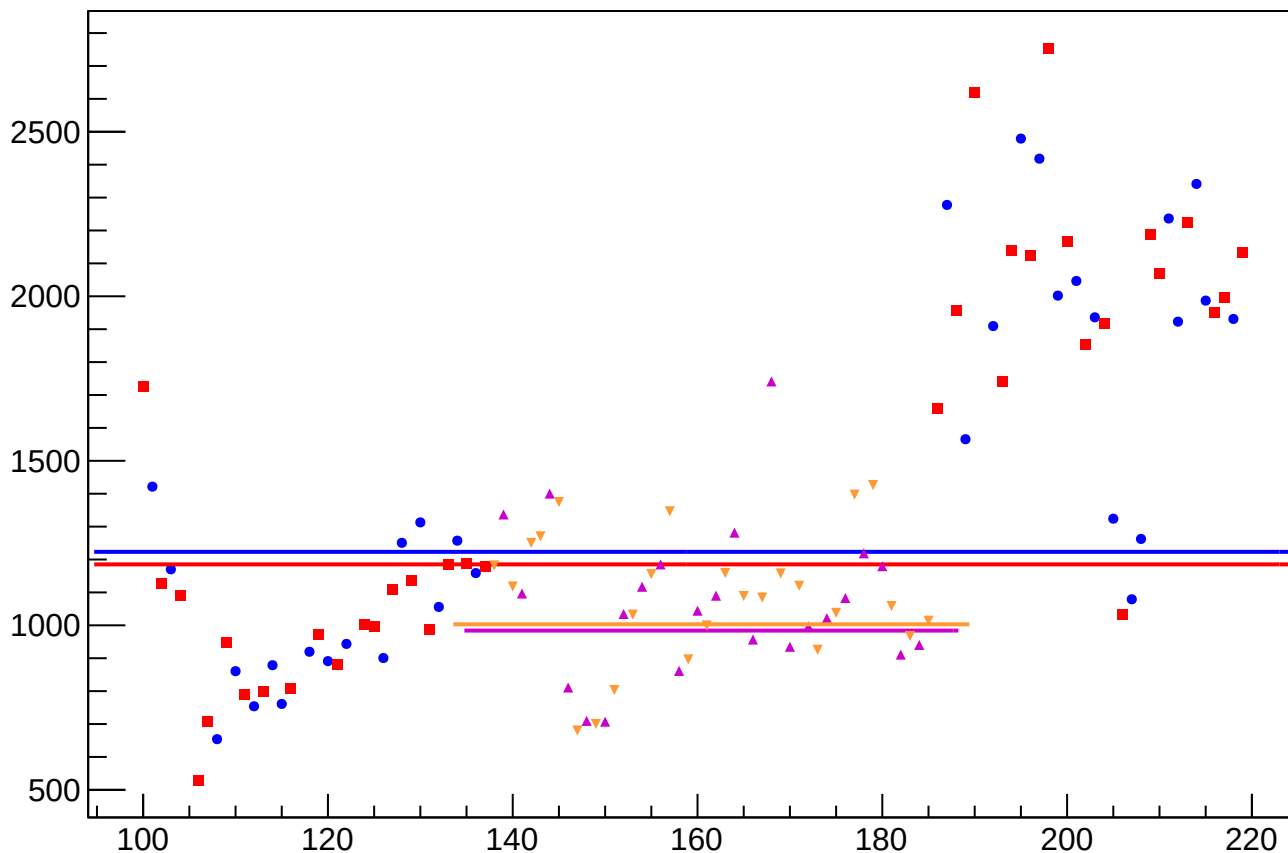
Left In: 44.468+/-235.733 χ^2/NDF : 12.8/22

+ sign -53.596+/-183.370 χ^2/NDF : 69.9/56

All: 66.873+/-128.774 χ^2/NDF : 128.1/115

- sign 184.096+/-180.882 χ^2/NDF : 57.4/58

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 1223.325+/-0.208 χ^2/NDF : 5199476.7/31

Left Out: 1003.103+/-0.166 χ^2/NDF : 1598417.7/24

Right Out: 1185.221+/-0.199 χ^2/NDF : 6789358.9/35

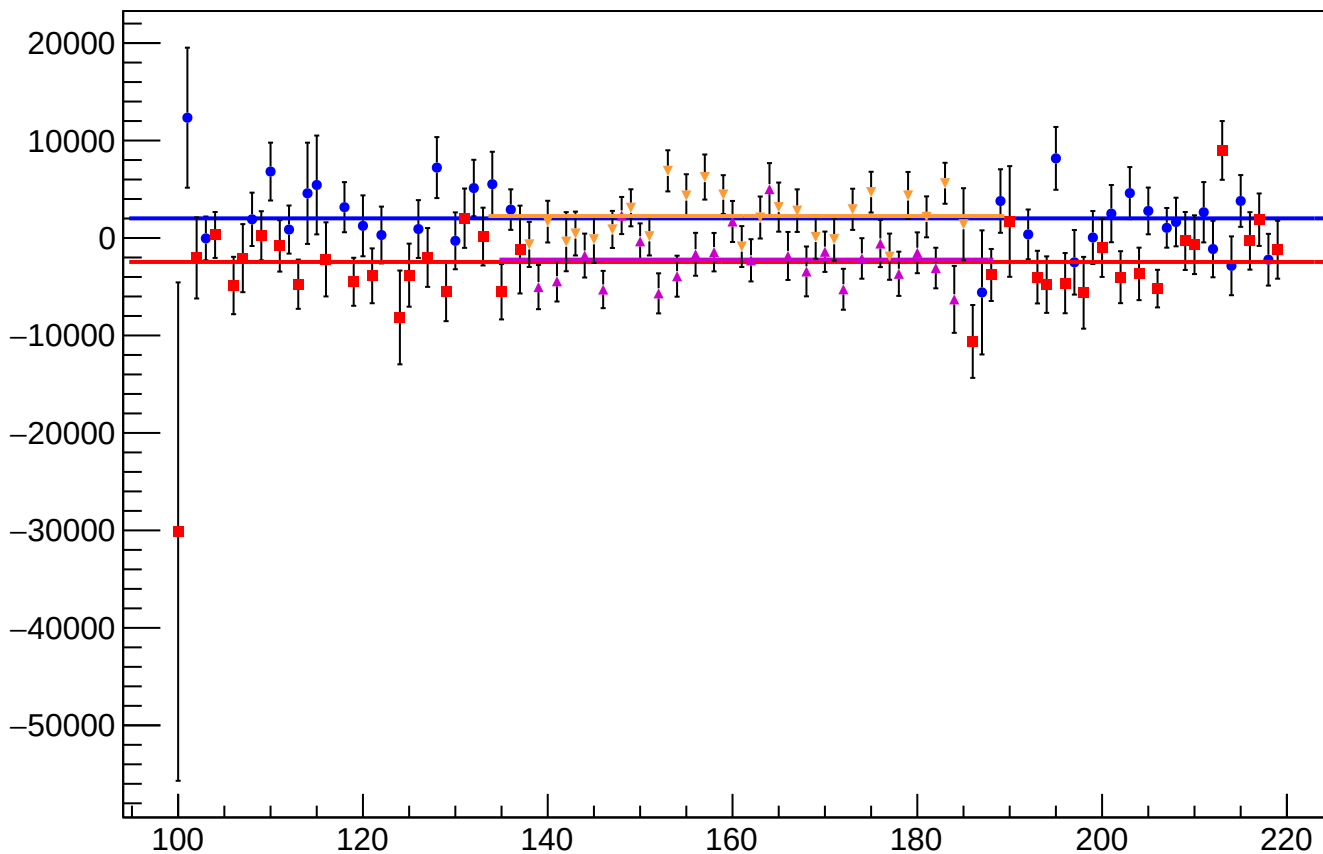
Left In: 984.055+/-0.167 χ^2/NDF : 1559563.7/22

+ sign 1088.445+/-0.130 χ^2/NDF : 7482570.1/56

All: 1077.464+/-0.091 χ^2/NDF : 16444570.6/1

- sign 1066.780+/-0.128 χ^2/NDF : 8947850.3/58

asym_usr_atr1_avg_mean vs Slug



Right In: 2014.047 $\pm$ 506.722 χ^2 /NDF: 29.3/31

Left Out: 2252.380 $\pm$ 442.213 χ^2 /NDF:28.3/24

Right Out: -2458.234 $\pm$ 497.444 χ^2 /NDF: 42.4/35

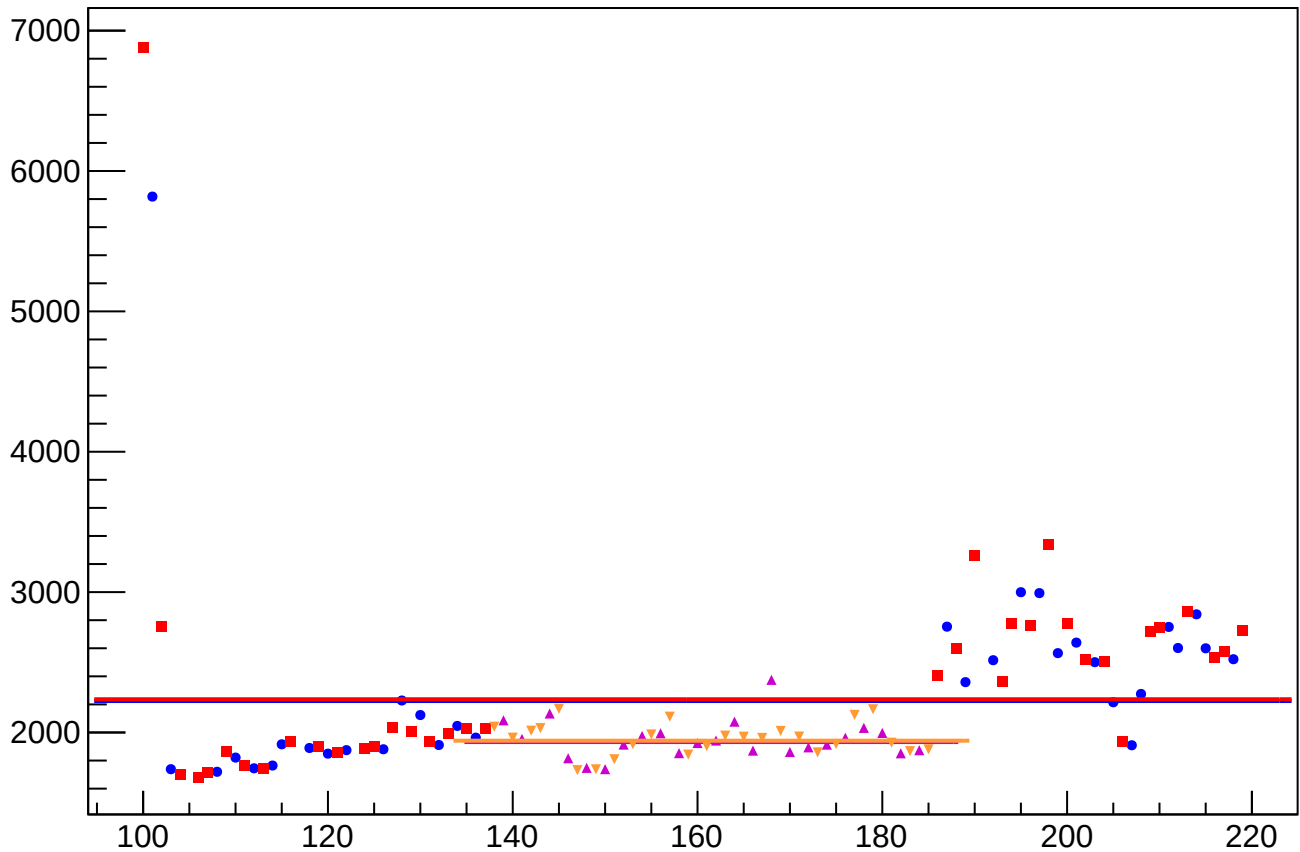
Left In: -2219.401 $\pm$ 452.286 χ^2 /NDF:31.5/22

+ sign 2149.341 $\pm$ 333.180 χ^2 /NDF: 57.8/56

All: -79.261 $\pm$ 236.109 χ^2 /NDF: 221.7/115

- sign -2327.487 $\pm$ 334.643 χ^2 /NDF: 74.0/58

asym_usr_atr1_avg_rms vs Slug



Right In: 2224.206+/-0.358 χ^2/NDF : 1628341.9/31

Left Out: 1941.583+/-0.313 χ^2/NDF :139011.4/24

Right Out: 2236.861+/-0.352 χ^2/NDF : 1567210.4/35

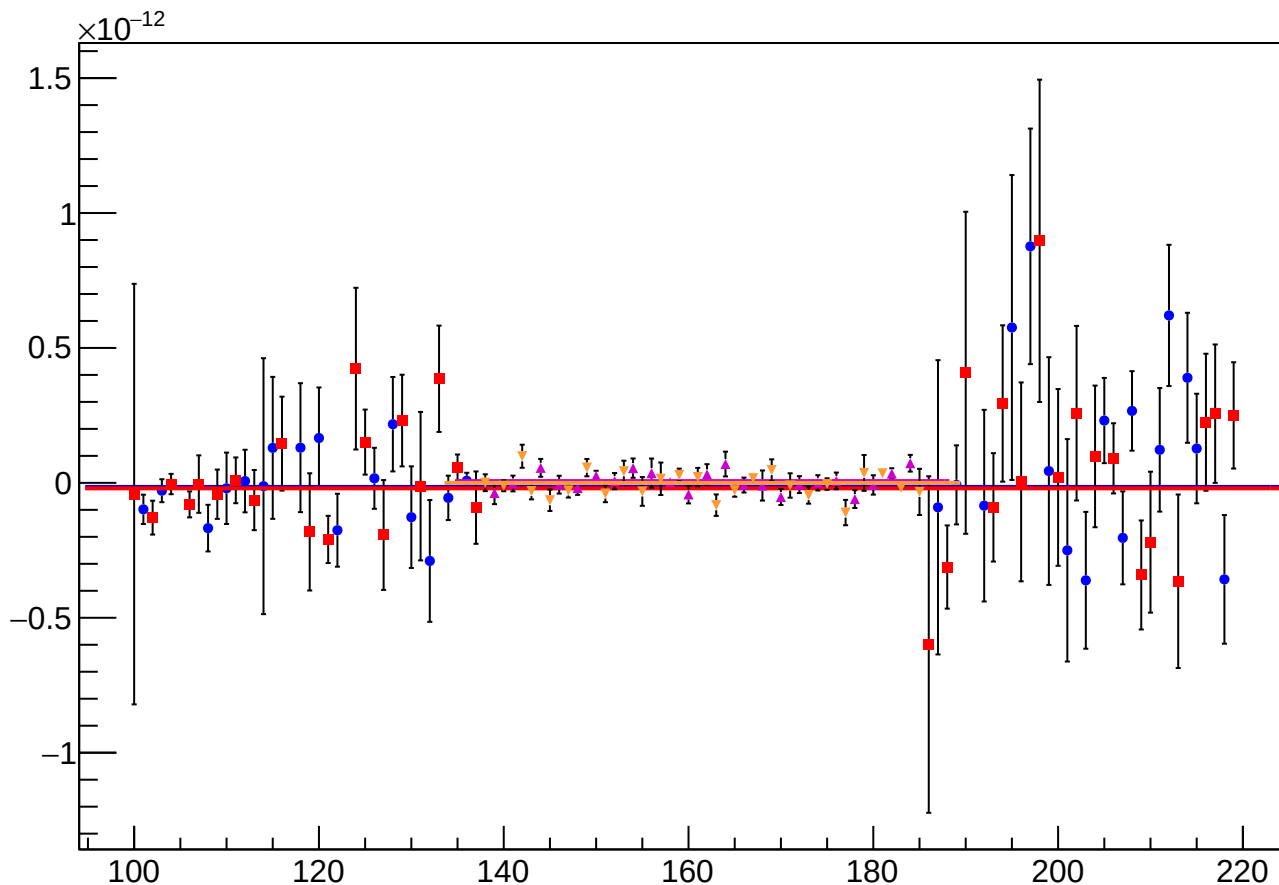
Left In: 1931.812+/-0.320 χ^2/NDF :159877.0/22

+ sign 2063.770+/-0.236 χ^2/NDF : 2120537.1/56

All: 2066.804+/-0.167 χ^2/NDF : 4259691.6/11

- sign 2069.865+/-0.237 χ^2/NDF : 2138821.3/58

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 39.6/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 40.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 44.0/35

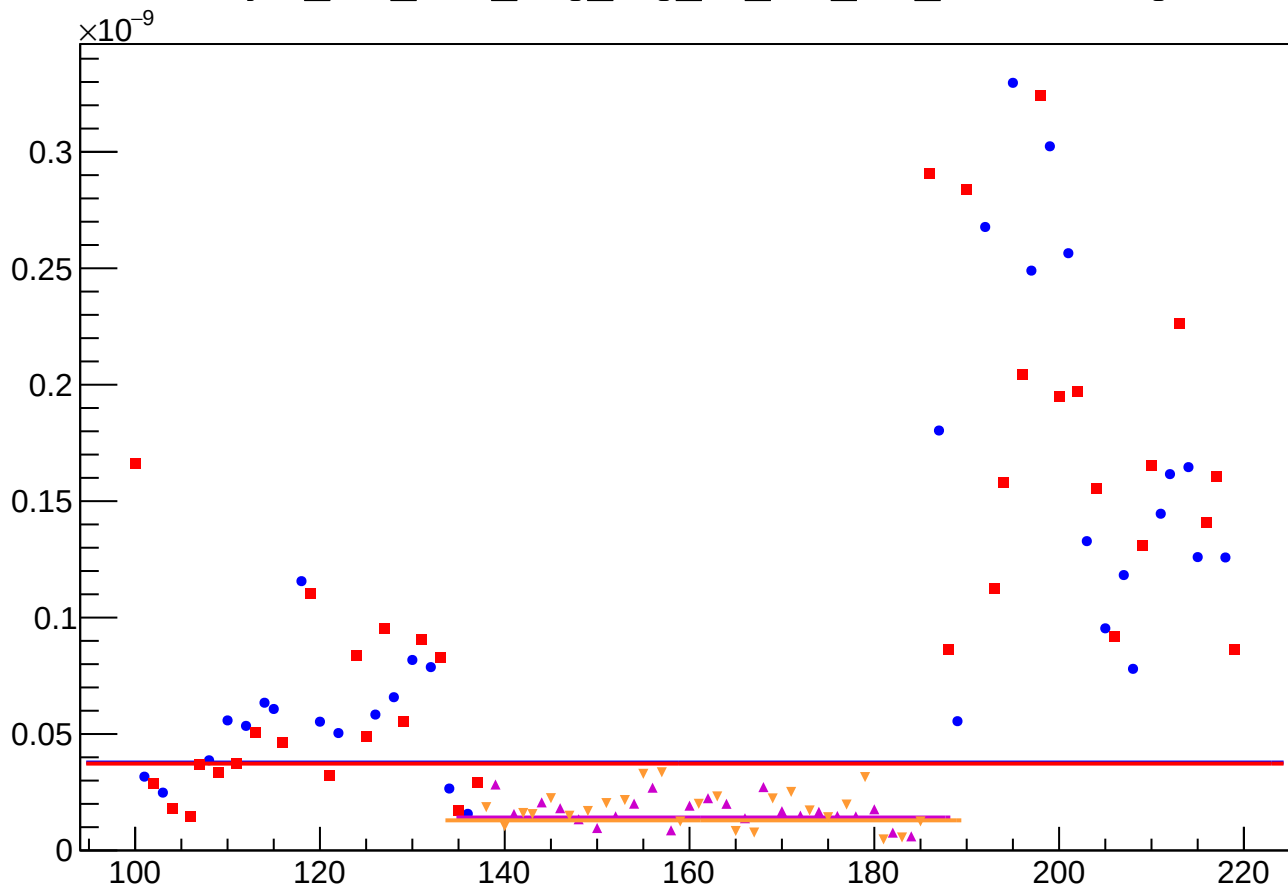
Left In: 0.000 ± 0.000 χ^2/NDF : 27.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 80.5/56

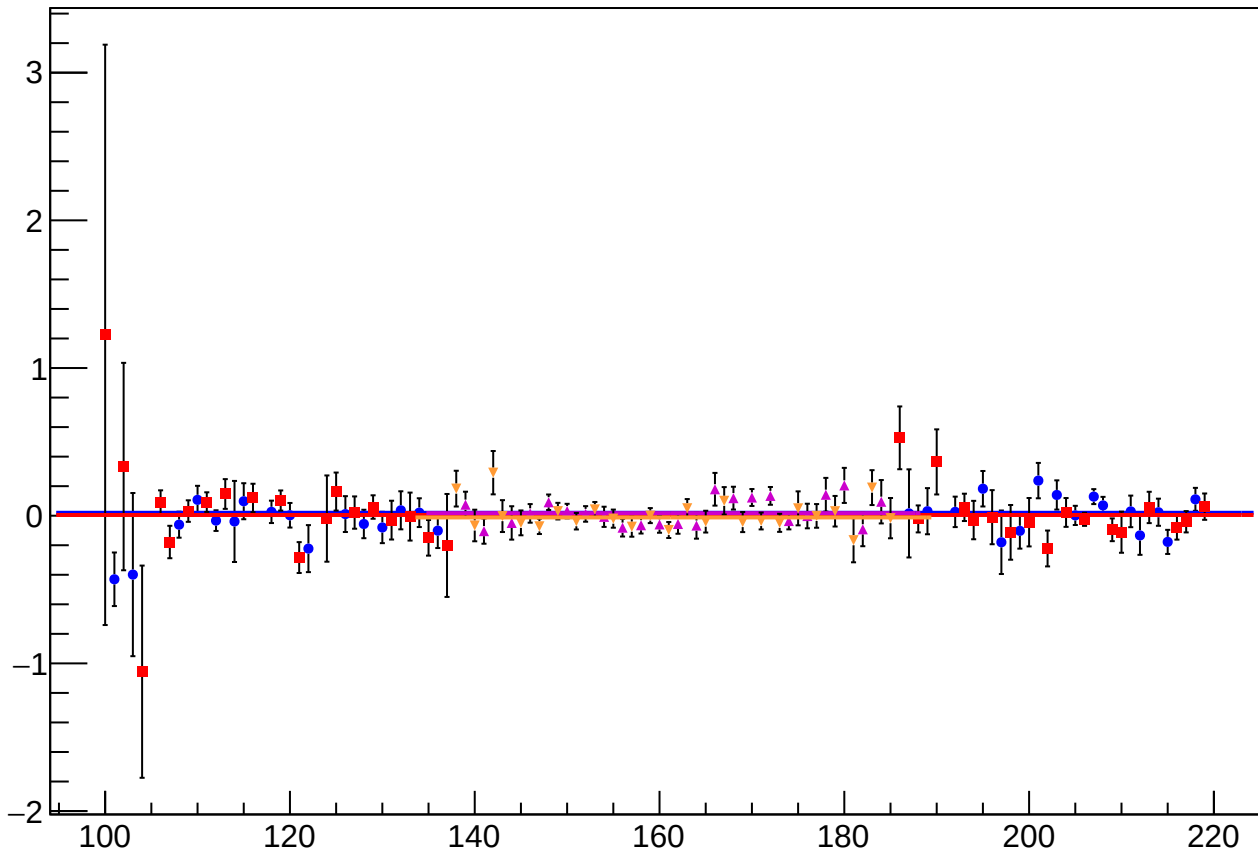
All: 0.000 ± 0.000 χ^2/NDF : 154.4/115

- sign 0.000 ± 0.000 χ^2/NDF : 73.4/58

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug



asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.017 χ^2/NDF : 37.0/31

Left Out: -0.012 ± 0.014 χ^2/NDF : 21.8/24

Right Out: 0.005 ± 0.017 χ^2/NDF : 43.8/35

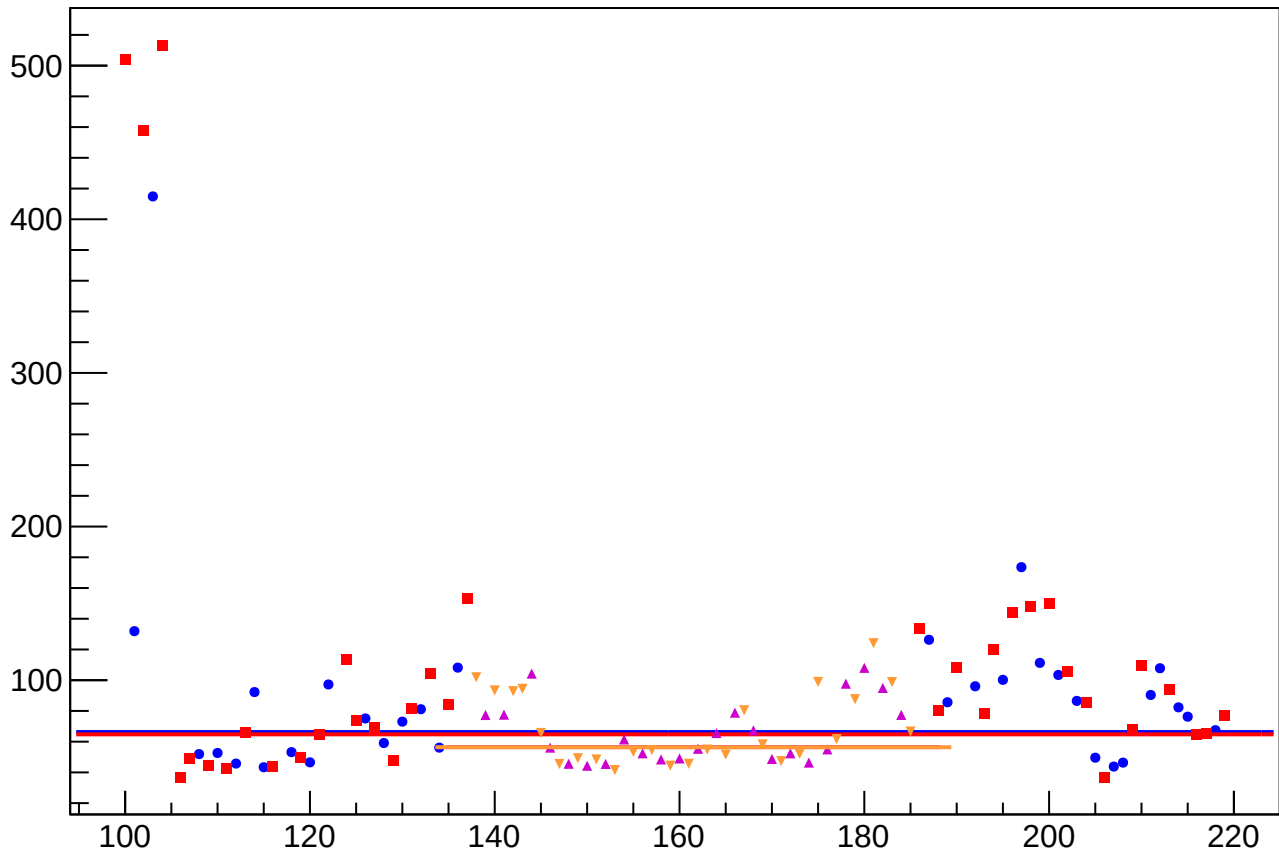
Left In: 0.017 ± 0.014 χ^2/NDF : 30.6/22

+ sign 0.001 ± 0.011 χ^2/NDF : 60.8/56

All: 0.007 ± 0.008 χ^2/NDF : 136.0/115

- sign 0.012 ± 0.011 χ^2/NDF : 74.8/58

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 66.252 $\pm$ 0.012 χ^2 /NDF: 4639468.7/31

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797305.0/24

Right Out: 64.771 $\pm$ 0.012 χ^2 /NDF: 6444803.1/35

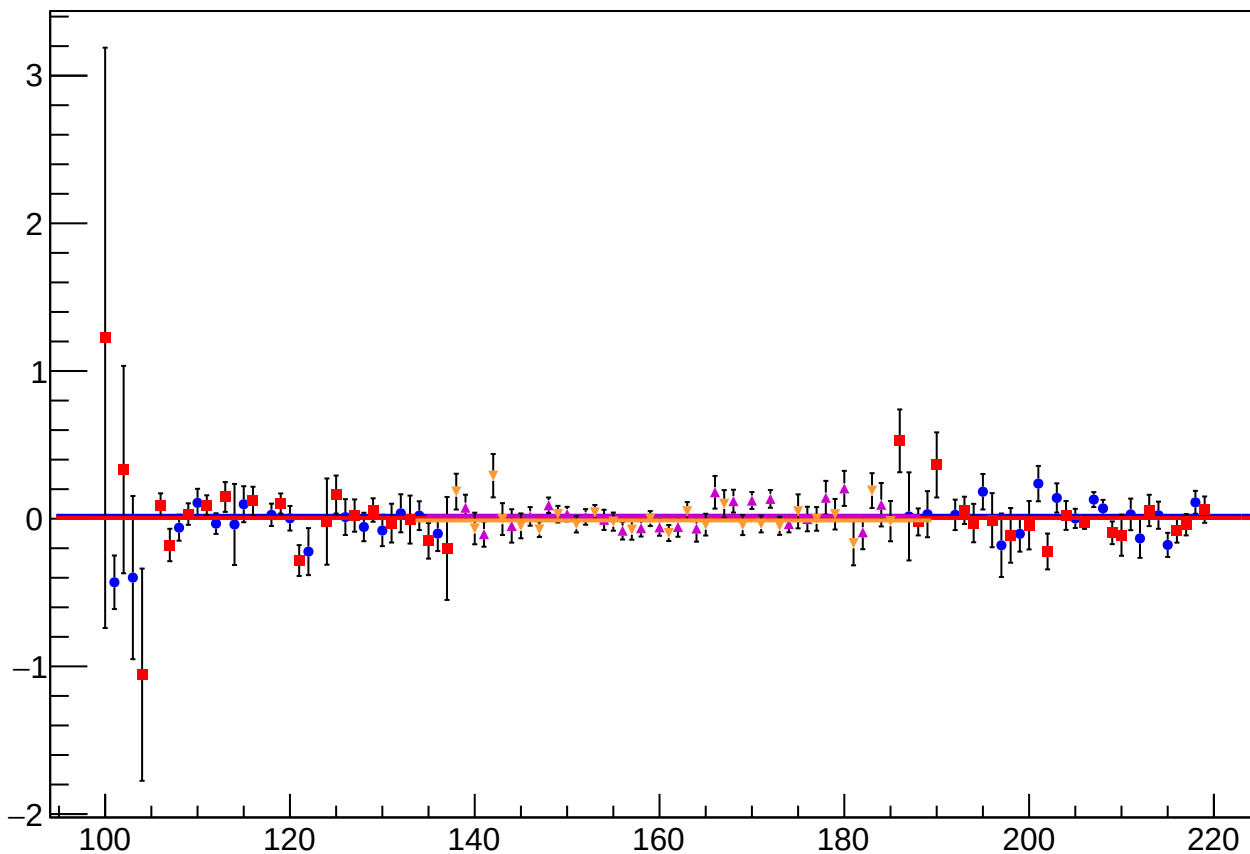
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140078.8/22

+ sign 60.430 $\pm$ 0.008 χ^2 /NDF: 7827821.2/56

All: 60.220 $\pm$ 0.005 χ^2 /NDF: 16694588.0/115

- sign 60.010 $\pm$ 0.008 χ^2 /NDF: 8865302.1/58

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 $\pm$ 0.017 χ^2/NDF : 37.0/31

Left Out: -0.012 $\pm$ 0.014 χ^2/NDF : 21.8/24

Right Out: 0.005 $\pm$ 0.017 χ^2/NDF : 43.8/35

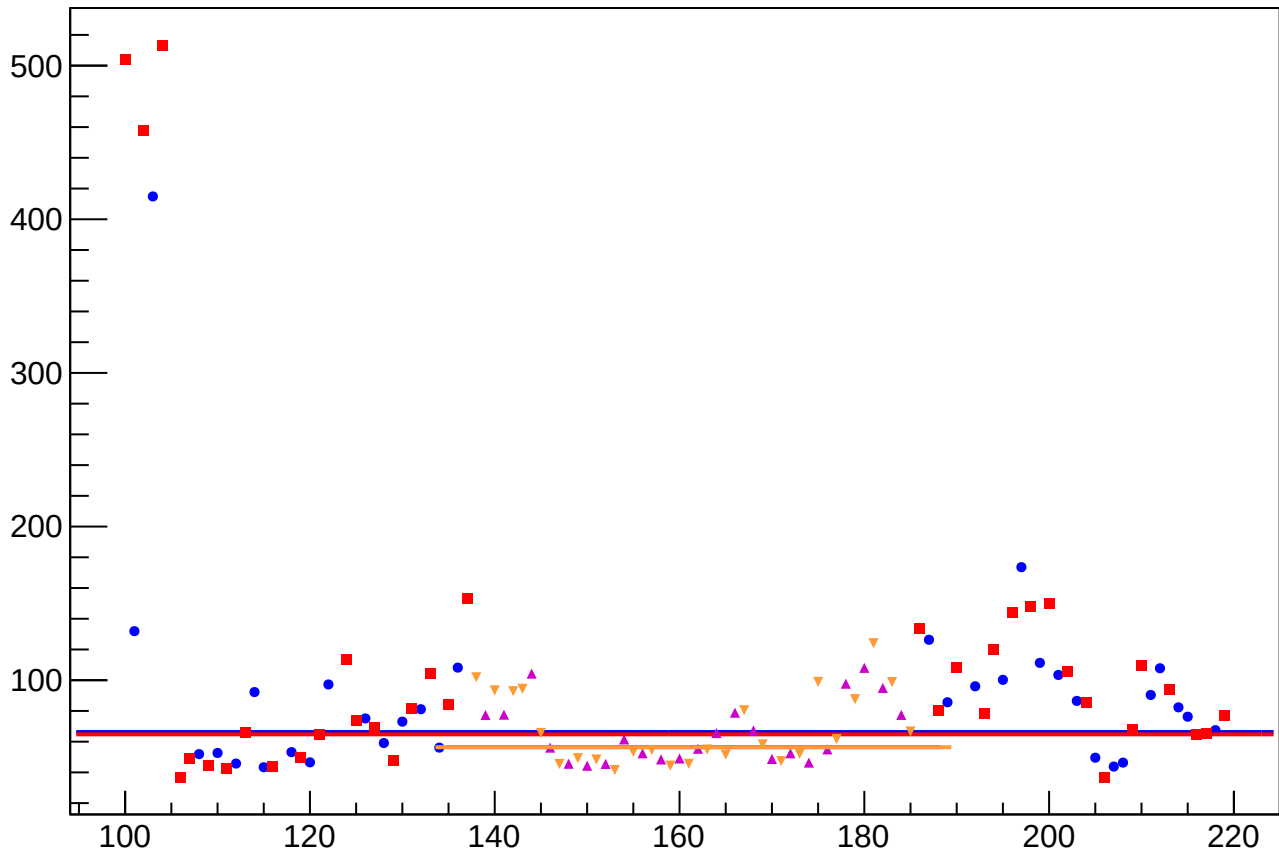
Left In: 0.017 $\pm$ 0.014 χ^2/NDF : 30.6/22

+ sign 0.001 $\pm$ 0.011 χ^2/NDF : 60.8/56

All: 0.007 $\pm$ 0.008 χ^2/NDF : 136.0/115

- sign 0.012 $\pm$ 0.011 χ^2/NDF : 74.8/58

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.252 $\pm$ 0.012 χ^2 /NDF: 4639468.7/31

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797305.0/24

Right Out: 64.771 $\pm$ 0.012 χ^2 /NDF: 6444803.1/35

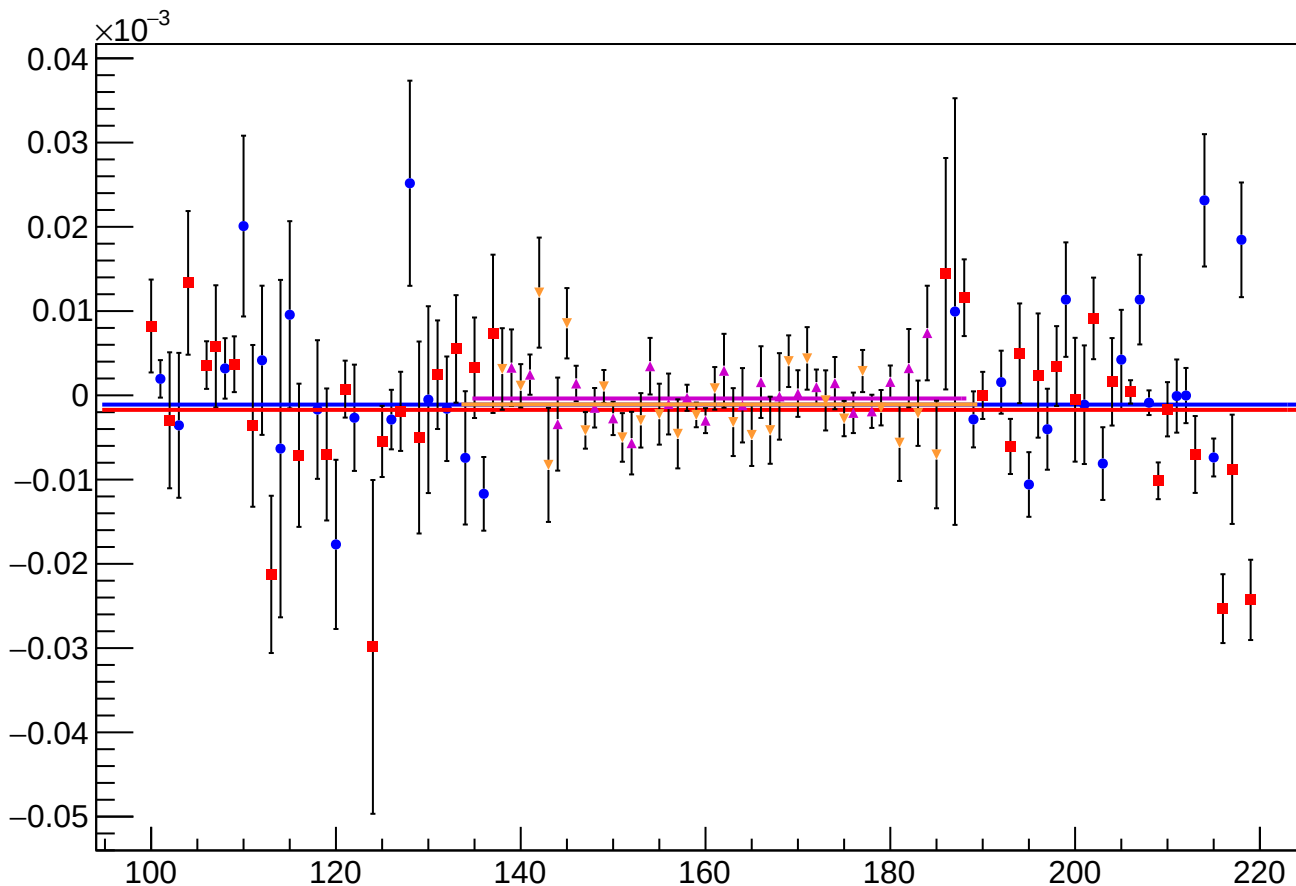
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140078.8/22

+ sign 60.430 $\pm$ 0.008 χ^2 /NDF: 7827821.2/56

All: 60.220 $\pm$ 0.005 χ^2 /NDF: 16694588.0/115

- sign 60.010 $\pm$ 0.008 χ^2 /NDF: 8865302.1/58

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 68.4/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:31.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 121.6/35

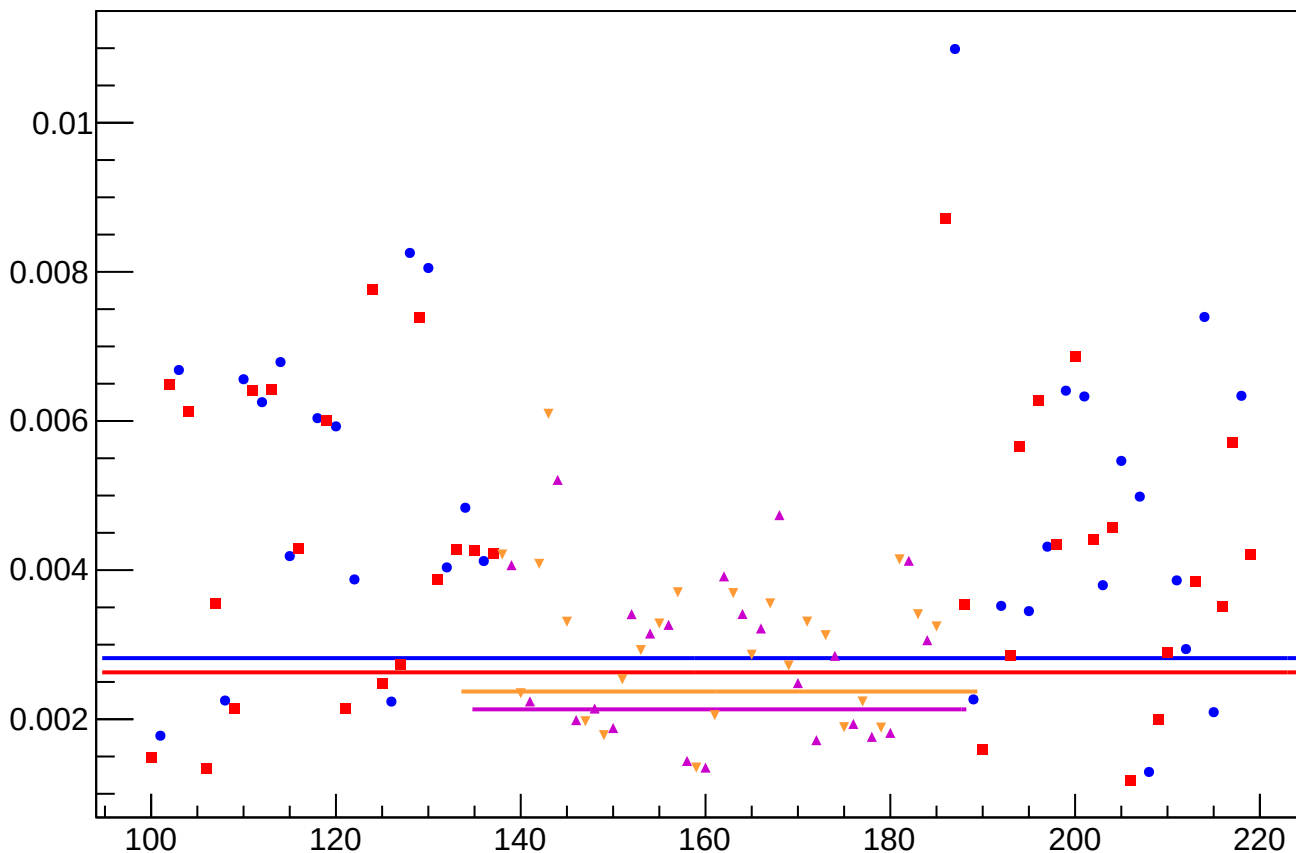
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:17.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 99.9/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 241.5/115

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 141.5/58

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 9562885.0/31

Left Out: 0.002+/-0.000 χ^2/NDF : 4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF : 9934460.8/35

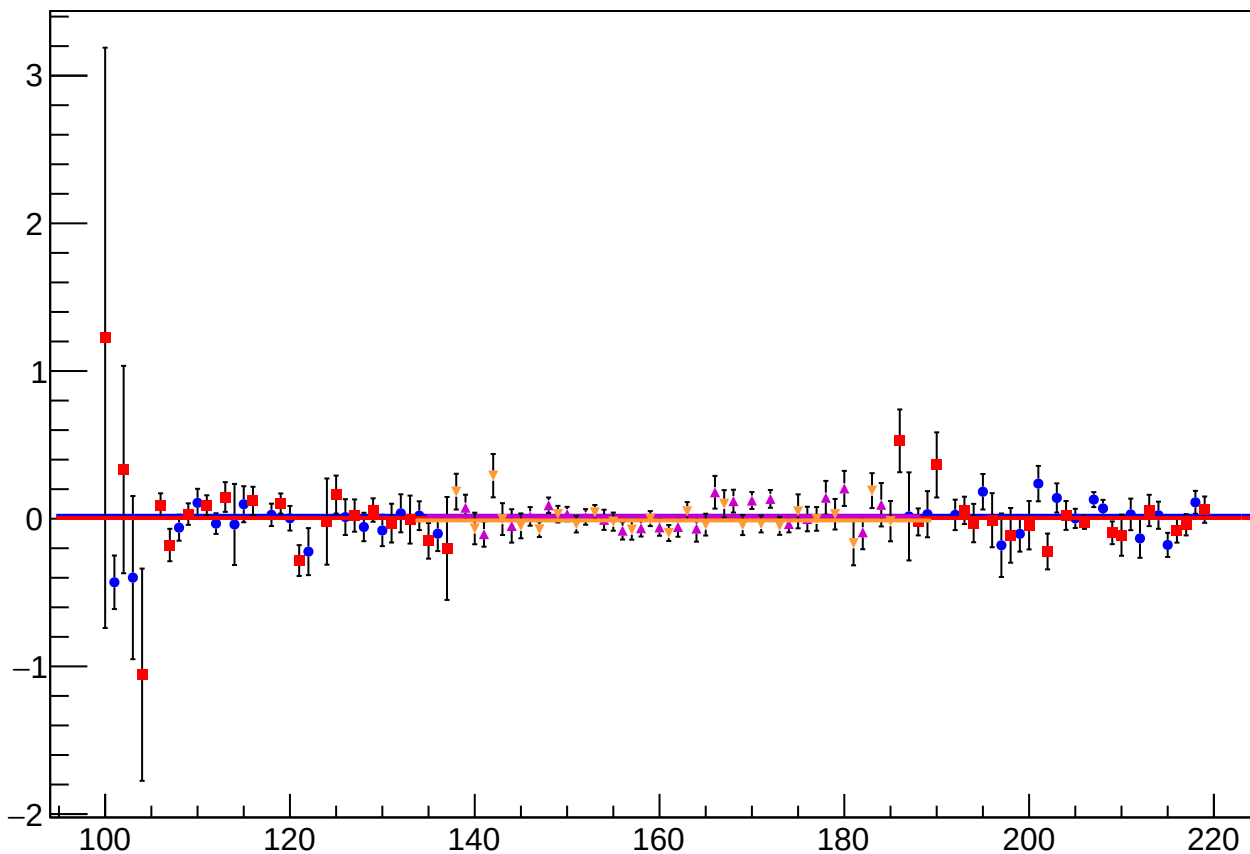
Left In: 0.002+/-0.000 χ^2/NDF : 4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF : 14180244.3/56

All: 0.002+/-0.000 χ^2/NDF : 29537951.7/115

- sign 0.002+/-0.000 χ^2/NDF : 15099413.2/58

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.017 χ^2/NDF : 37.0/31

Left Out: -0.012 ± 0.014 χ^2/NDF : 21.8/24

Right Out: 0.005 ± 0.017 χ^2/NDF : 43.8/35

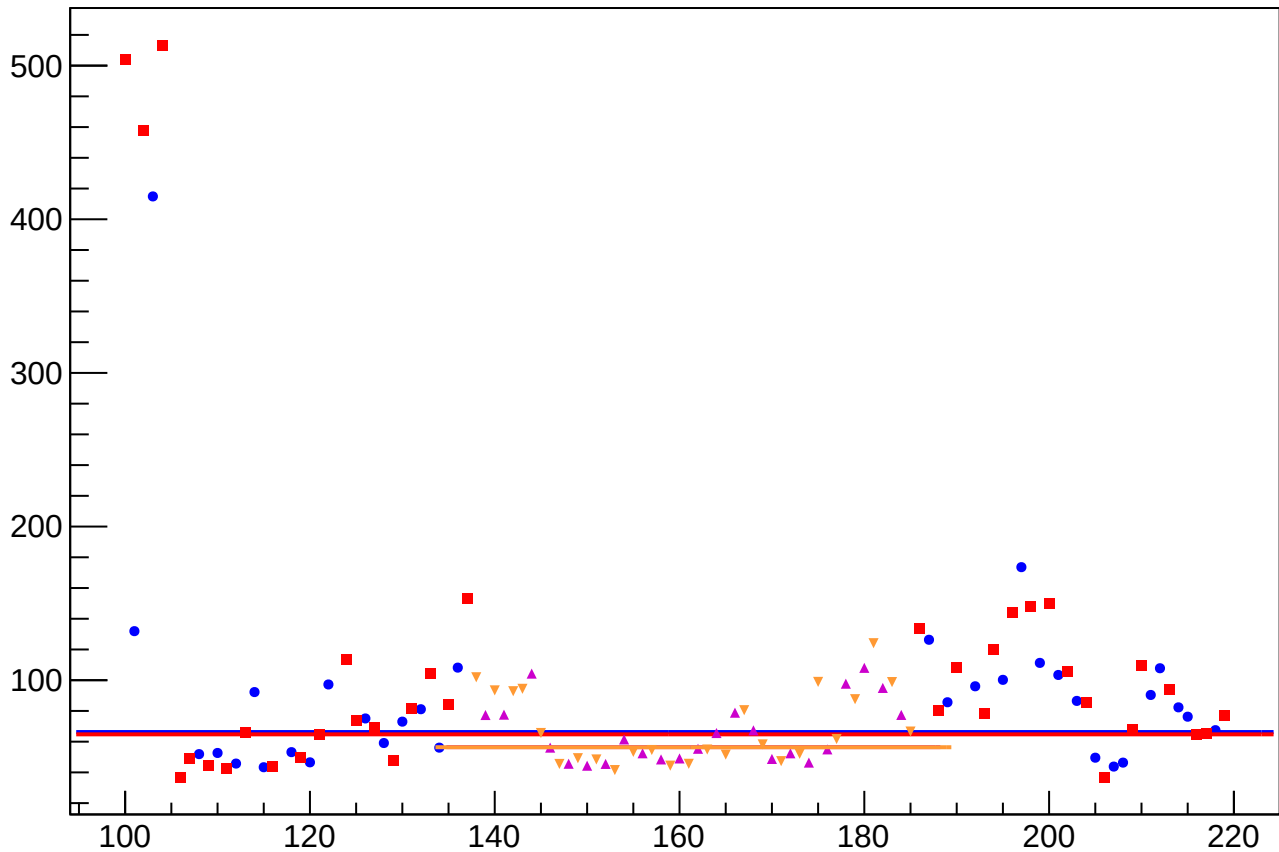
Left In: 0.017 ± 0.014 χ^2/NDF : 30.6/22

+ sign 0.001 ± 0.011 χ^2/NDF : 60.8/56

All: 0.007 ± 0.008 χ^2/NDF : 136.0/115

- sign 0.012 ± 0.011 χ^2/NDF : 74.8/58

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.252 $\pm$ 0.012 χ^2 /NDF: 4639431.4/31

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797380.0/24

Right Out: 64.771 $\pm$ 0.012 χ^2 /NDF: 6444848.8/35

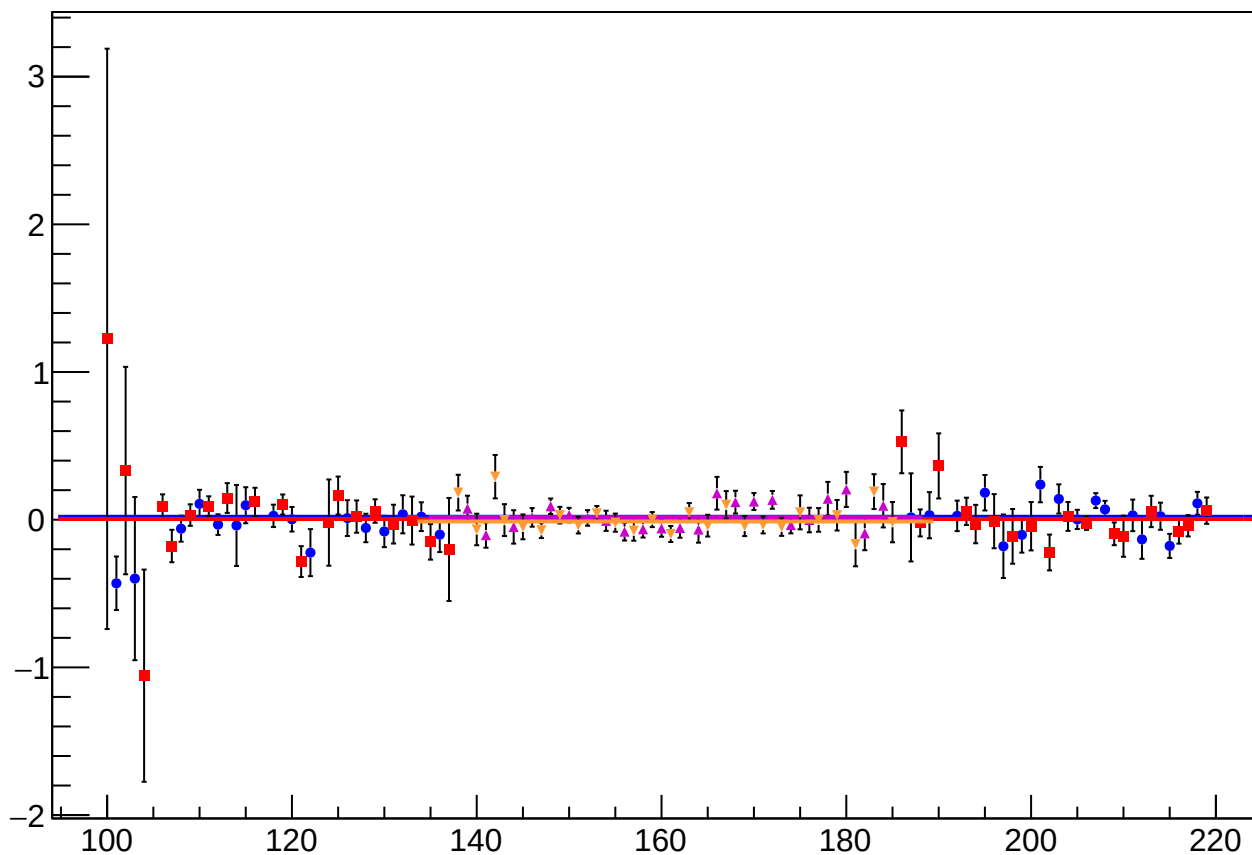
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140063.7/22

+ sign 60.430 $\pm$ 0.008 χ^2 /NDF: 7827814.3/56

All: 60.220 $\pm$ 0.005 χ^2 /NDF: 16694570.9/115

- sign 60.010 $\pm$ 0.008 χ^2 /NDF: 8865291.1/58

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 ± 0.017 χ^2/NDF : 37.0/31

Left Out: -0.012 ± 0.014 χ^2/NDF : 21.8/24

Right Out: 0.005 ± 0.017 χ^2/NDF : 43.8/35

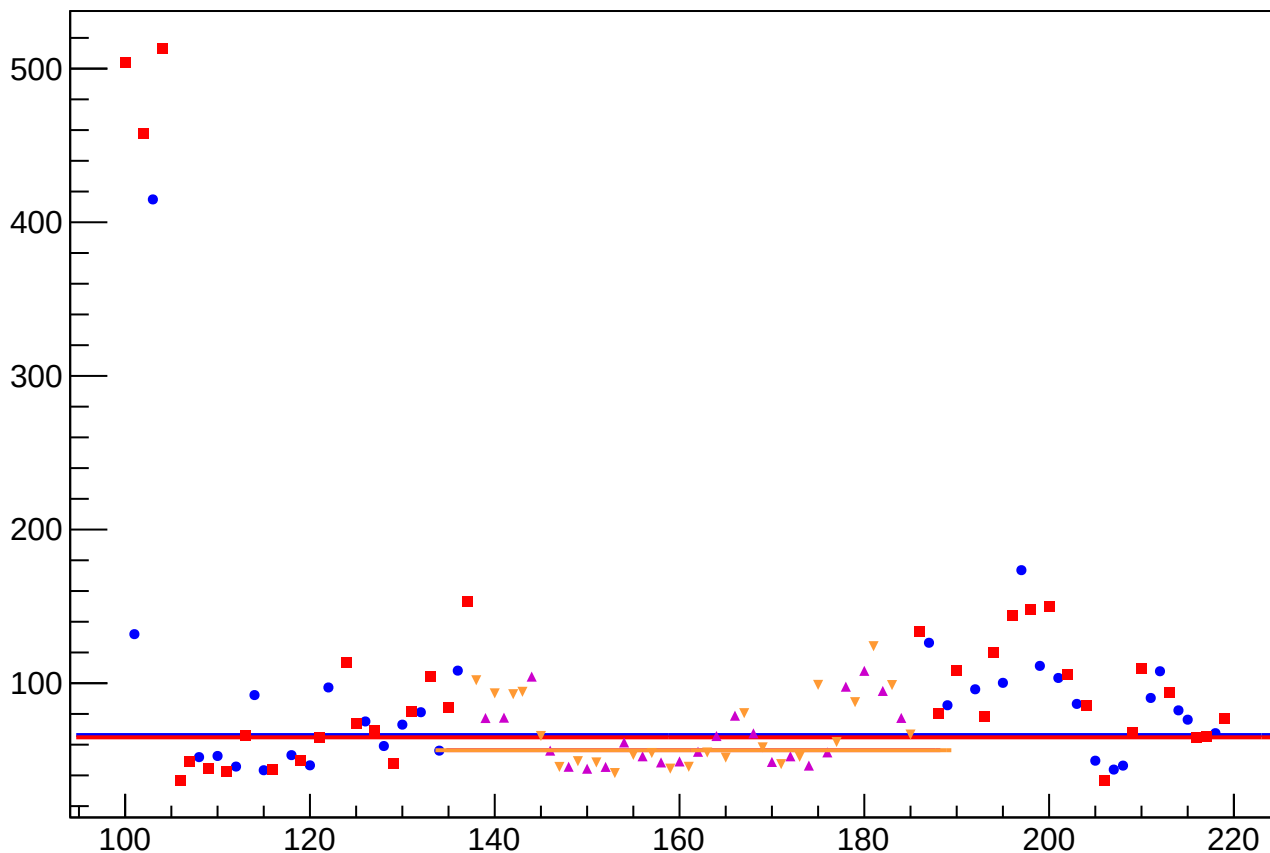
Left In: 0.017 ± 0.014 χ^2/NDF : 30.6/22

+ sign 0.001 ± 0.011 χ^2/NDF : 60.8/56

All: 0.007 ± 0.008 χ^2/NDF : 136.0/115

- sign 0.012 ± 0.011 χ^2/NDF : 74.8/58

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.252 $\pm$ 0.012 χ^2 /NDF: 4639431.4/31

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797380.0/24

Right Out: 64.771 $\pm$ 0.012 χ^2 /NDF: 6444848.8/35

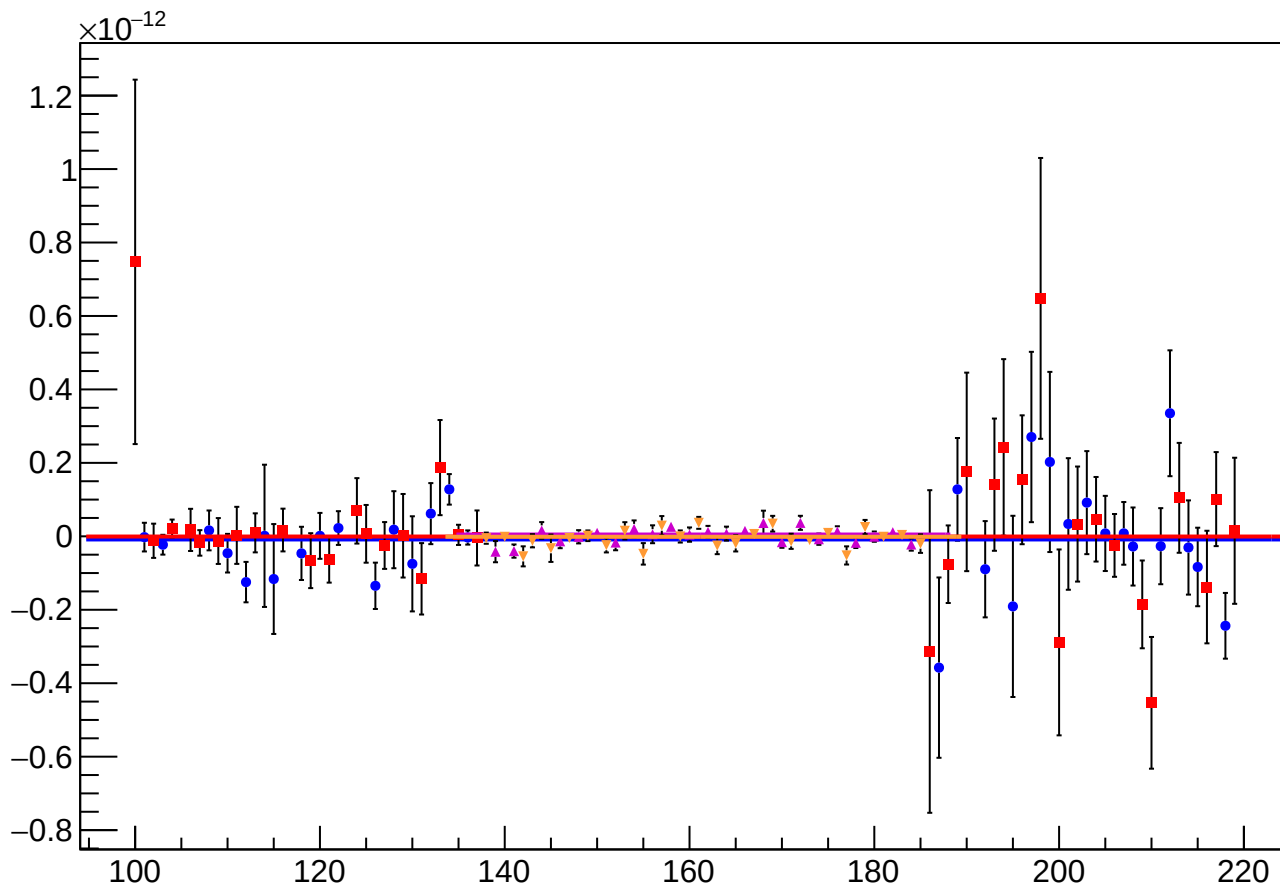
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140063.7/22

+ sign 60.430 $\pm$ 0.008 χ^2 /NDF: 7827814.3/56

All: 60.220 $\pm$ 0.005 χ^2 /NDF: 16694570.9/115

- sign 60.010 $\pm$ 0.008 χ^2 /NDF: 8865291.1/58

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 40.9/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 29.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 28.8/35

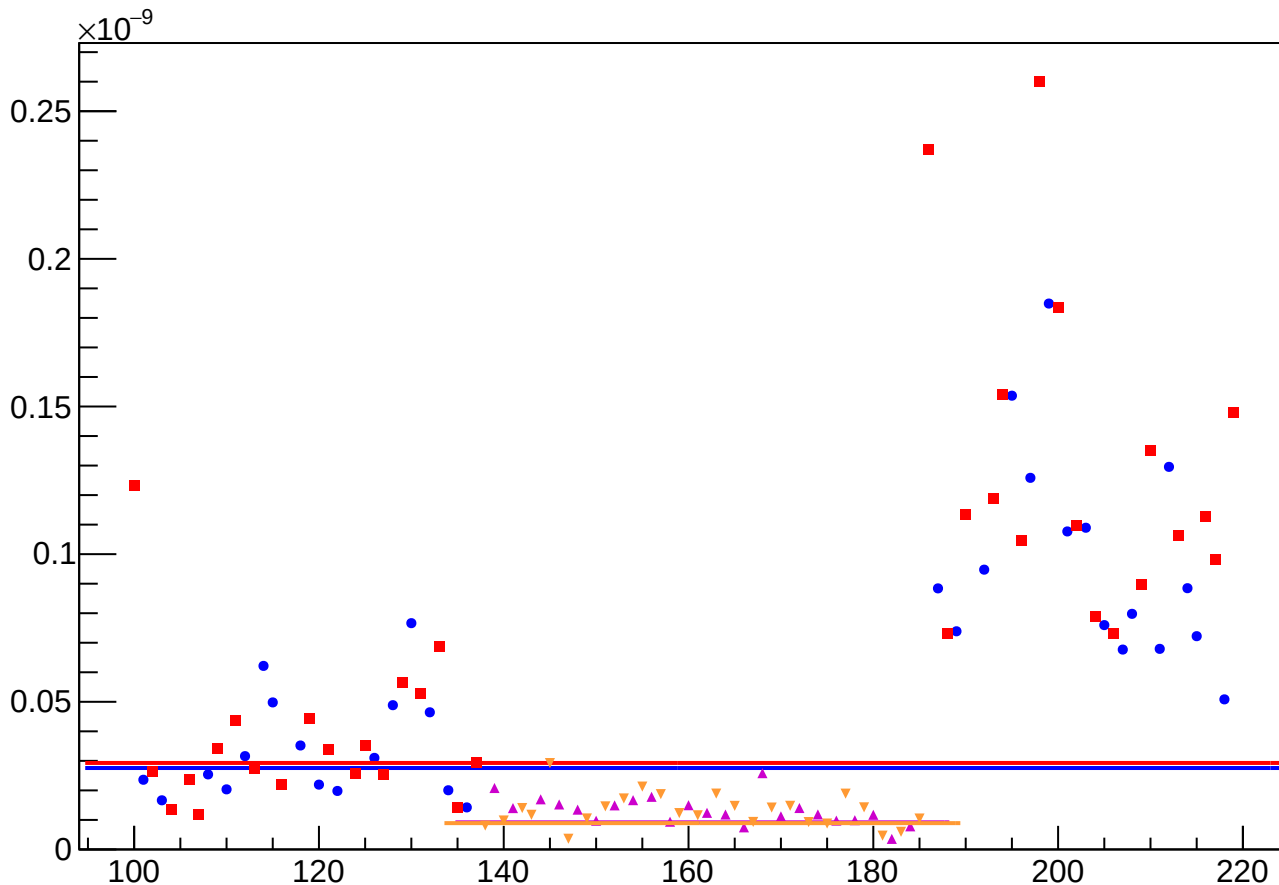
Left In: 0.000 ± 0.000 χ^2/NDF : 28.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 70.9/56

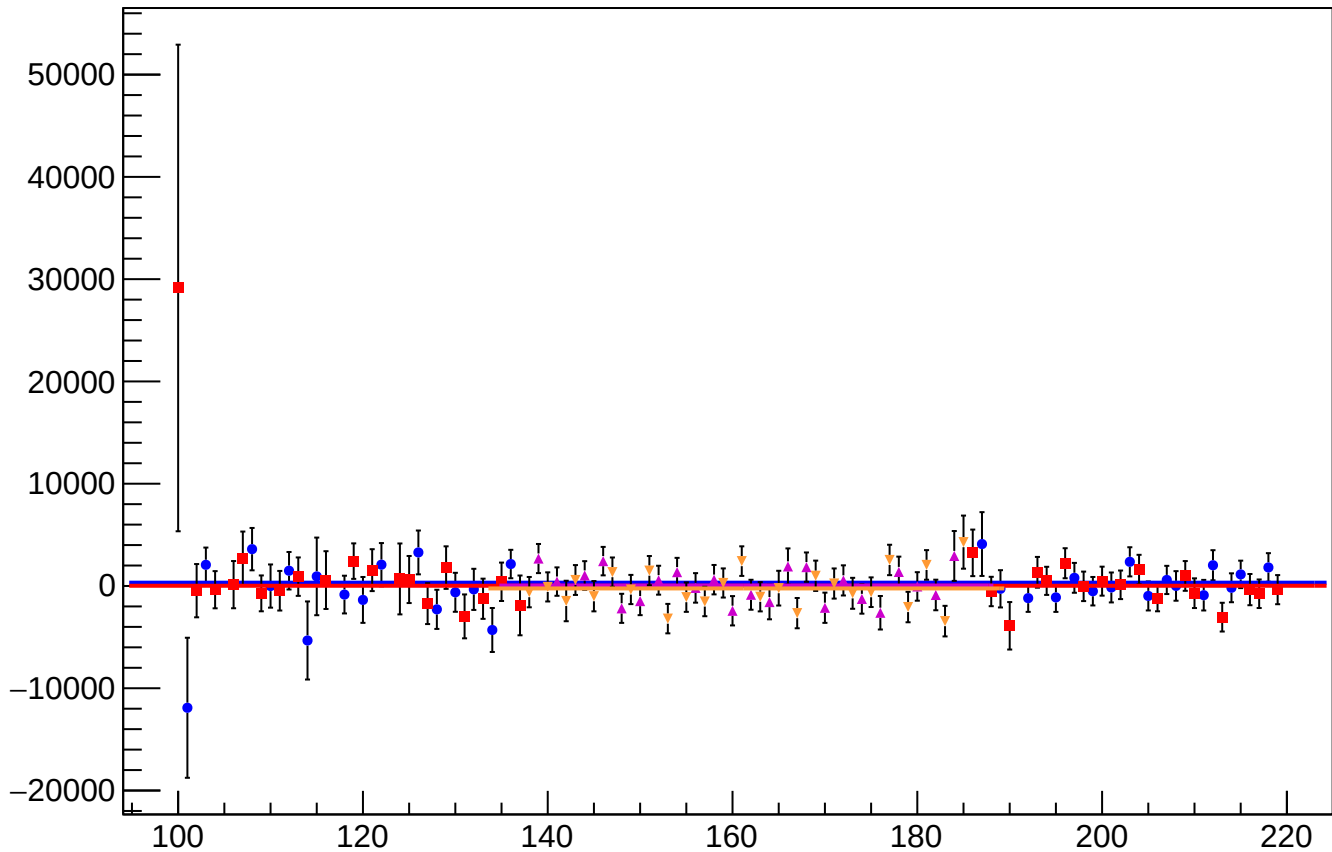
All: 0.000 ± 0.000 χ^2/NDF : 130.7/115

- sign 0.000 ± 0.000 χ^2/NDF : 57.4/58

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_usr_atr1_dd_mean vs Slug



Right In: 322.874 ± 300.072 χ^2/NDF : 32.6/31

Left Out: -240.873 ± 300.008 χ^2/NDF : 31.7/24

Right Out: 20.853 ± 291.825 χ^2/NDF : 26.2/35

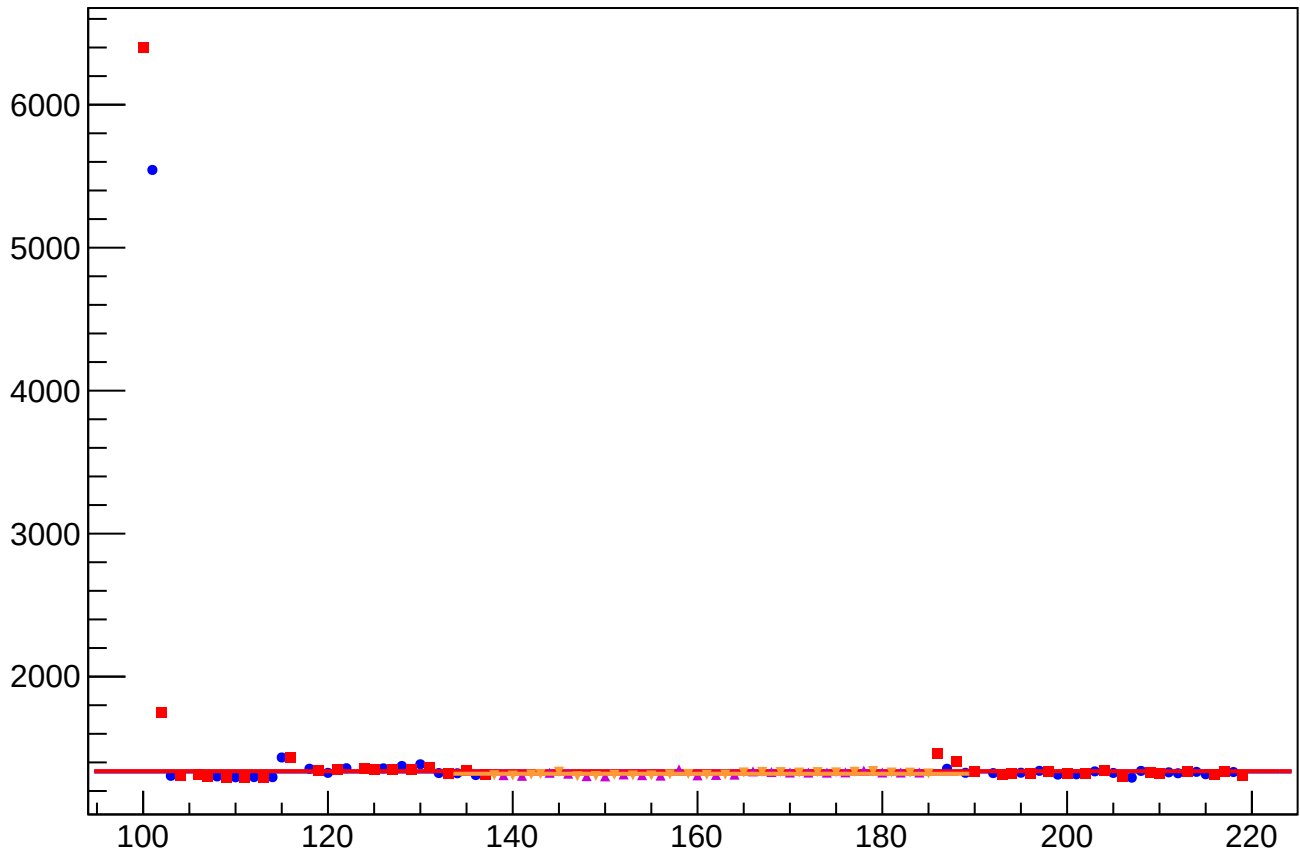
Left In: 39.122 ± 308.622 χ^2/NDF : 27.1/22

+ sign 40.940 ± 212.160 χ^2/NDF : 66.1/56

All: 35.205 ± 149.978 χ^2/NDF : 119.4/115

- sign 29.477 ± 212.041 χ^2/NDF : 53.3/58

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1336.253+/-0.212 χ^2/NDF : 767094.2/31

Left Out: 1320.740+/-0.212 χ^2/NDF : 2602.3/24

Right Out: 1338.607+/-0.206 χ^2/NDF : 163454.8/35

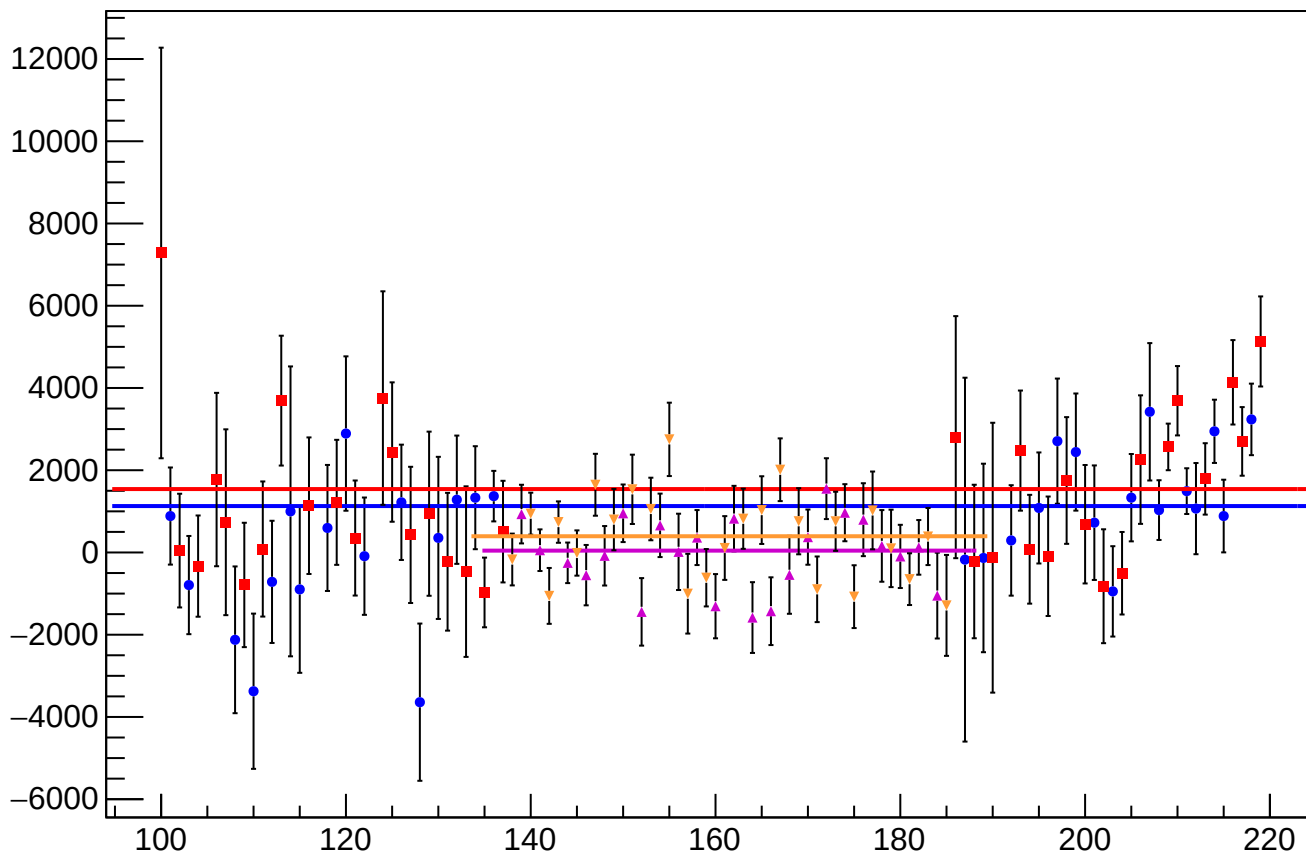
Left In: 1321.782+/-0.218 χ^2/NDF : 3553.3/22

+ sign 1328.495+/-0.150 χ^2/NDF : 772369.5/56

All: 1329.581+/-0.106 χ^2/NDF : 942620.4/115

- sign 1330.665+/-0.150 χ^2/NDF : 170146.2/58

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 1128.488 $\pm$ 204.870 χ^2 /NDF: 42.7/31

Left Out: 394.550 $\pm$ 144.562 χ^2 /NDF: 41.8/24

Right Out: 1541.913 $\pm$ 214.112 χ^2 /NDF: 64.7/35

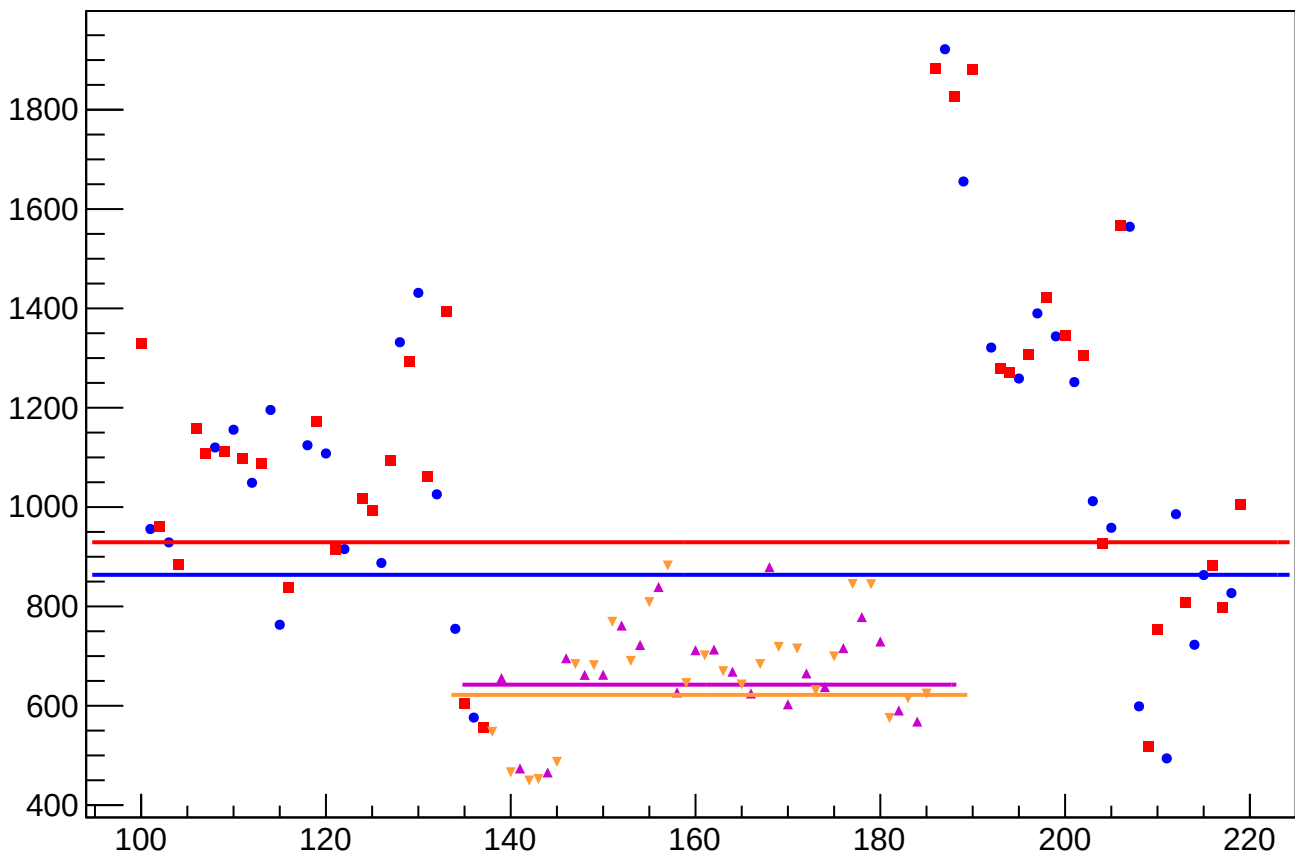
Left In: 44.777 $\pm$ 152.333 χ^2 /NDF: 27.6/22

+ sign 638.512 $\pm$ 118.117 χ^2 /NDF: 93.2/56

All: 595.460 $\pm$ 85.566 χ^2 /NDF: 218.2/115

- sign 547.919 $\pm$ 124.124 χ^2 /NDF: 124.7/58

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 863.634 $\pm$ 0.145 χ^2/NDF : 4043487.4/31

Left Out: 621.950 $\pm$ 0.102 χ^2/NDF :1383473.2/24

Right Out: 929.196 $\pm$ 0.151 χ^2/NDF : 4179403.0/35

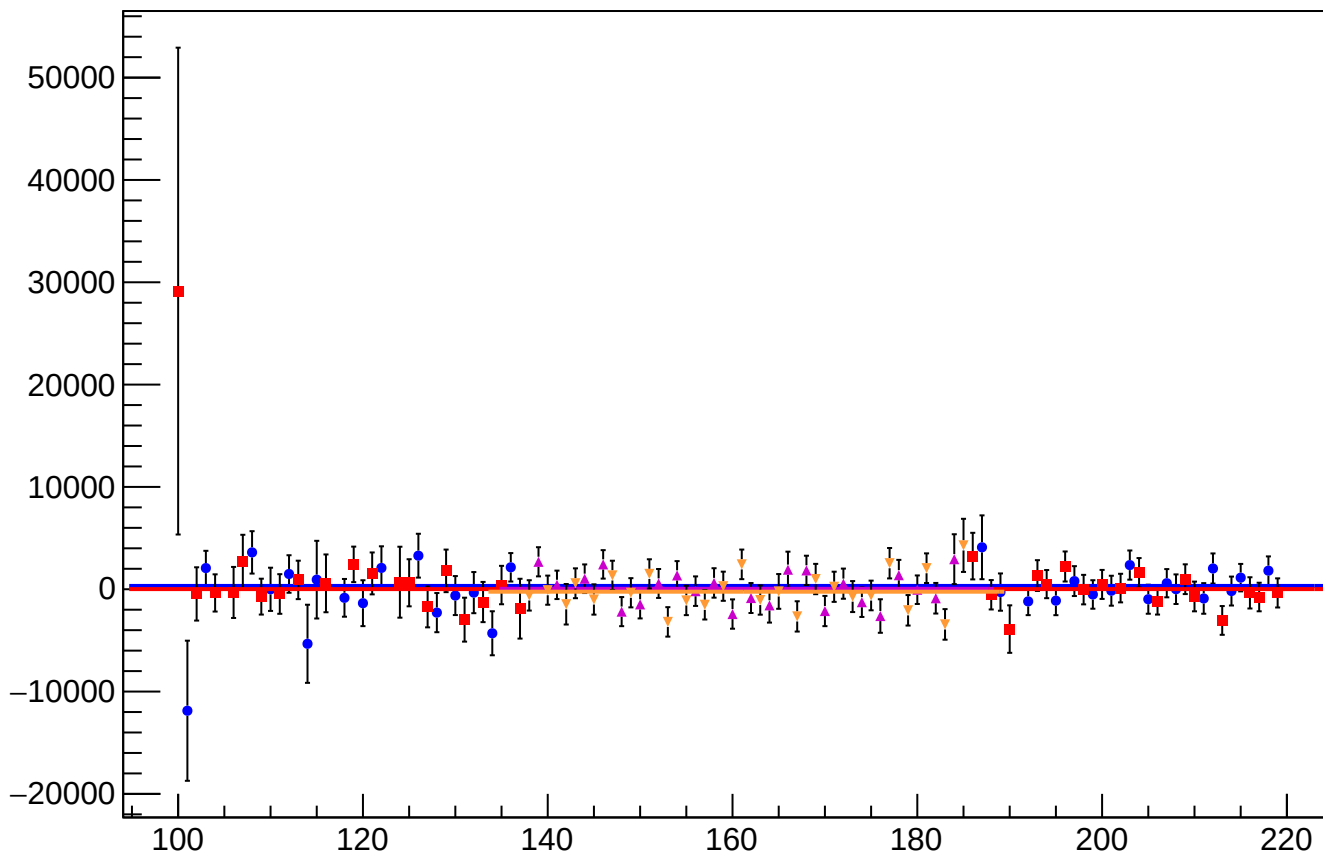
Left In: 642.470 $\pm$ 0.108 χ^2/NDF :926330.5/22

+ sign 702.286 $\pm$ 0.084 χ^2/NDF : 7285117.8/56

All: 719.652 $\pm$ 0.061 χ^2/NDF : 14863077.3/11

- sign 738.830 $\pm$ 0.088 χ^2/NDF : 7486985.7/58

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 322.994 $\pm$ 300.072 χ^2 /NDF: 32.5/31

Left Out: -240.875 $\pm$ 300.008 χ^2 /NDF:31.7/24

Right Out: 14.620 $\pm$ 292.162 χ^2 /NDF: 26.2/35

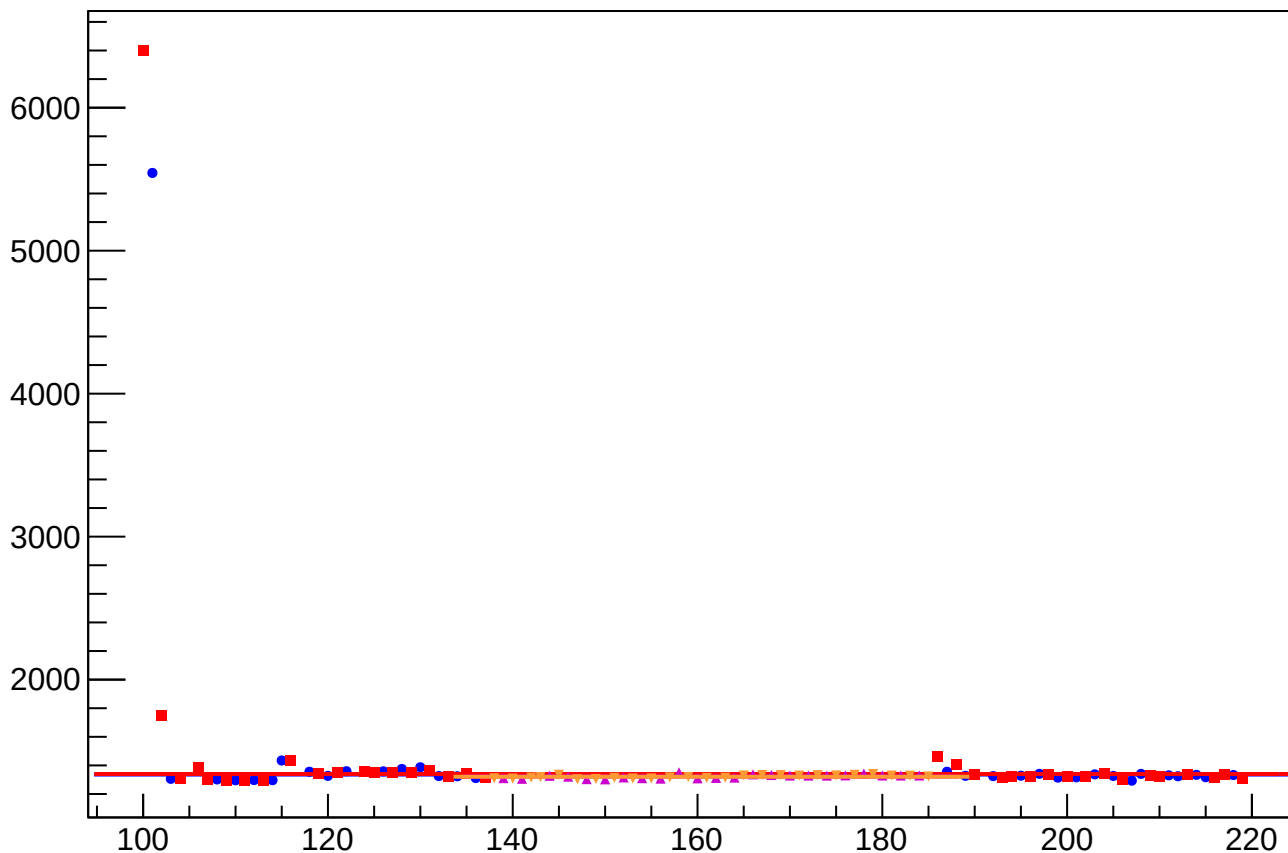
Left In: 39.193 $\pm$ 308.622 χ^2 /NDF:27.1/22

+ sign 40.998 $\pm$ 212.160 χ^2 /NDF: 66.0/56

All: 33.617 $\pm$ 150.023 χ^2 /NDF: 119.4/115

- sign 26.234 $\pm$ 212.170 χ^2 /NDF: 53.4/58

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1336.253+/-0.212 χ^2/NDF : 767093.2/31

Left Out: 1320.740+/-0.212 χ^2/NDF : 2602.3/24

Right Out: 1339.633+/-0.207 χ^2/NDF : 164071.9/35

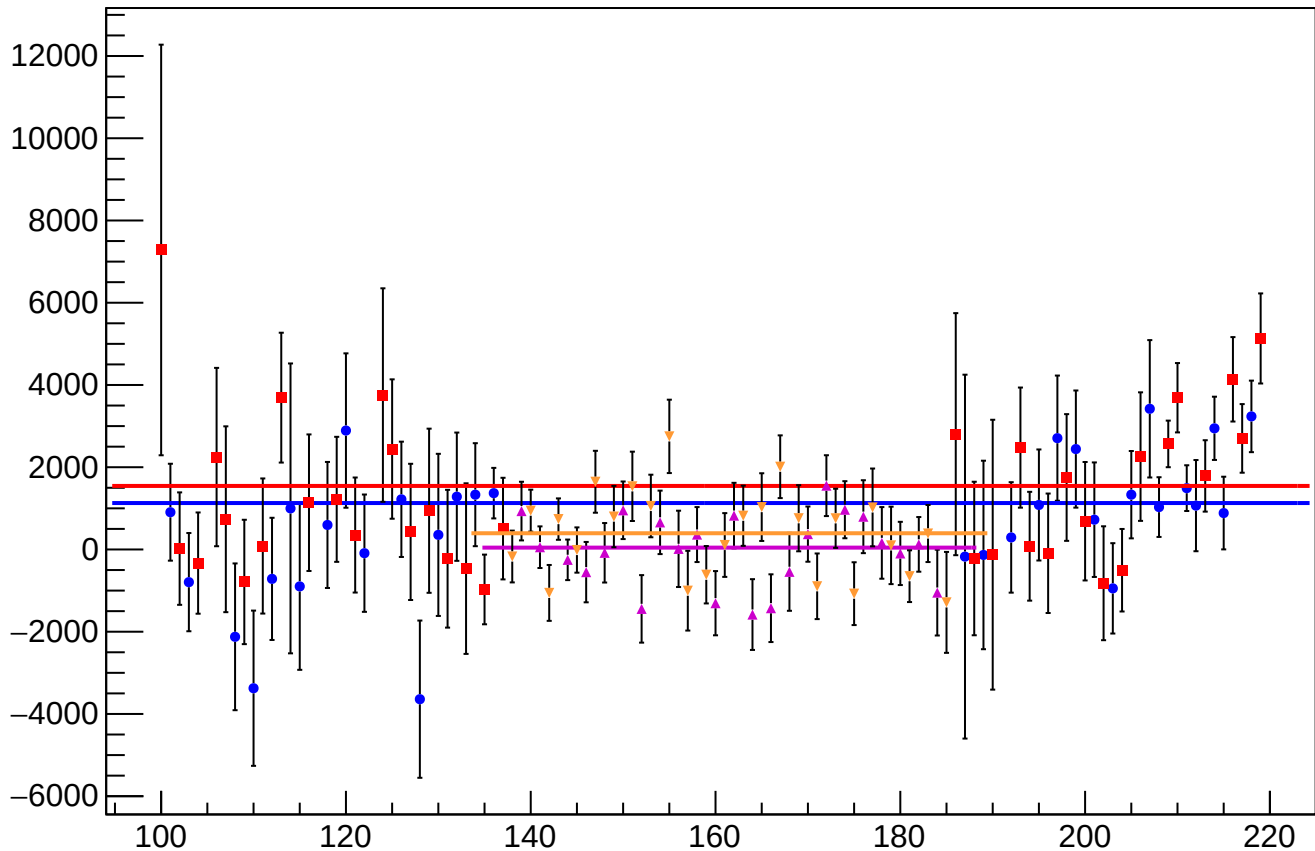
Left In: 1321.783+/-0.218 χ^2/NDF : 3553.3/22

+ sign 1328.495+/-0.150 χ^2/NDF : 772368.5/56

All: 1329.846+/-0.106 χ^2/NDF : 943684.5/115

- sign 1331.197+/-0.150 χ^2/NDF : 171153.9/58

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 1129.074 ± 204.857 χ^2/NDF : 42.7/31

Left Out: 394.522 ± 144.562 χ^2/NDF : 41.8/24

Right Out: 1545.011 ± 214.112 χ^2/NDF : 64.9/35

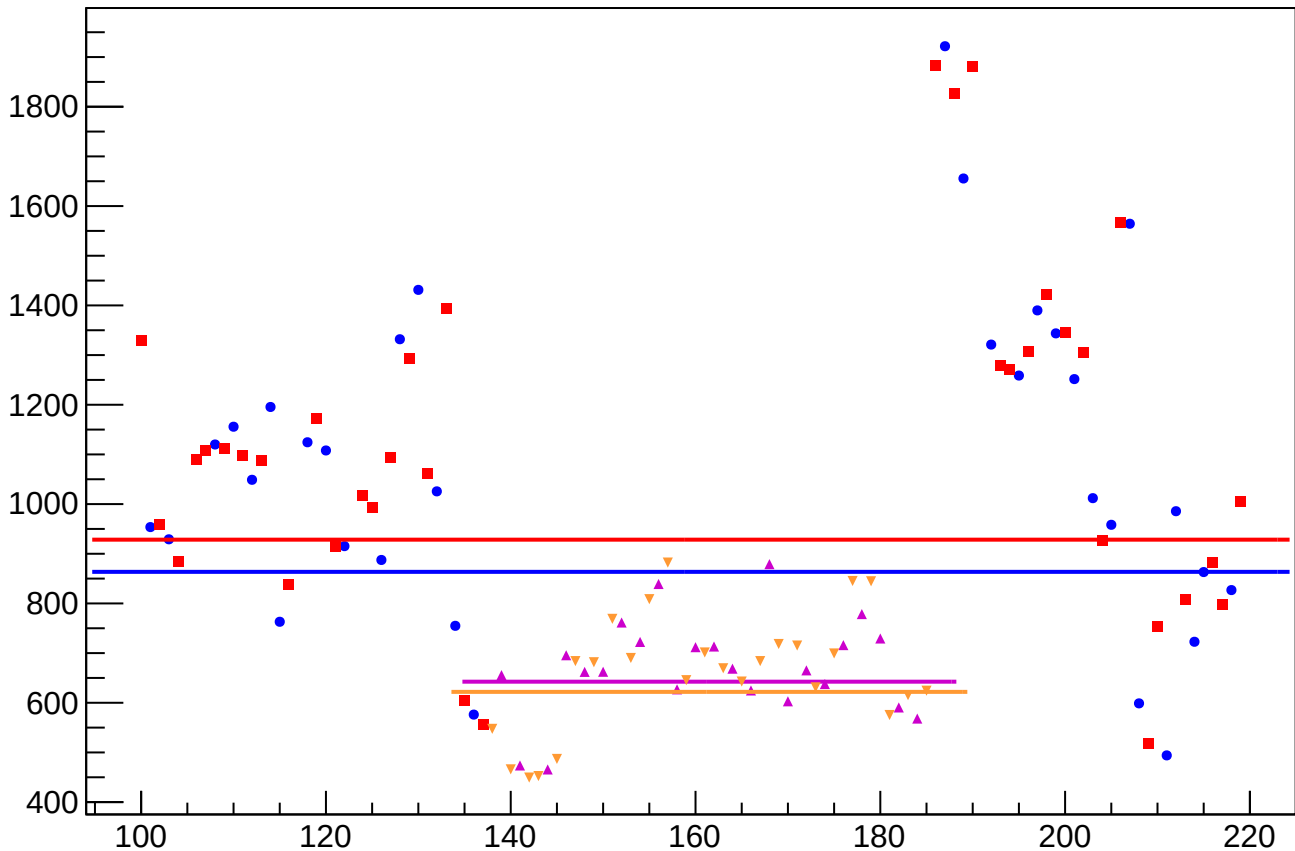
Left In: 44.766 ± 152.332 χ^2/NDF : 27.6/22

+ sign 638.710 ± 118.114 χ^2/NDF : 93.2/56

All: 596.053 ± 85.565 χ^2/NDF : 218.5/115

- sign 548.946 ± 124.123 χ^2/NDF : 125.0/58

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 863.584 $\pm$ 0.145 χ^2/NDF : 4043114.9/31

Left Out: 621.950 $\pm$ 0.102 χ^2/NDF : 1383373.4/24

Right Out: 928.384 $\pm$ 0.151 χ^2/NDF : 4166932.8/35

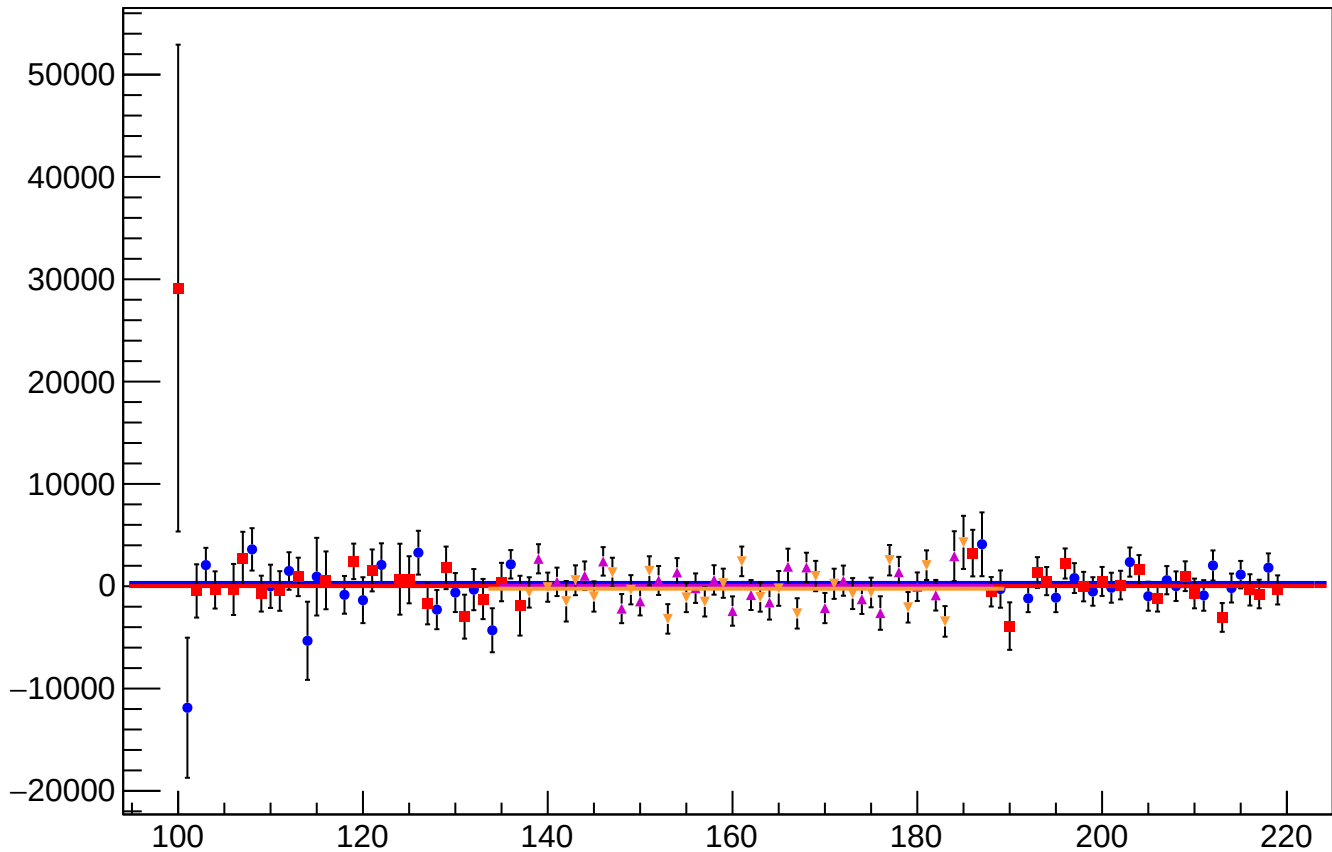
Left In: 642.465 $\pm$ 0.108 χ^2/NDF : 926376.1/22

+ sign 702.277 $\pm$ 0.084 χ^2/NDF : 7284032.9/56

All: 719.515 $\pm$ 0.061 χ^2/NDF : 14834872.4/11

- sign 738.553 $\pm$ 0.088 χ^2/NDF : 7461188.6/58

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 322.994 ± 300.072 χ^2/NDF : 32.5/31

Left Out: -240.875 ± 300.008 χ^2/NDF : 31.7/24

Right Out: 14.620 ± 292.162 χ^2/NDF : 26.2/35

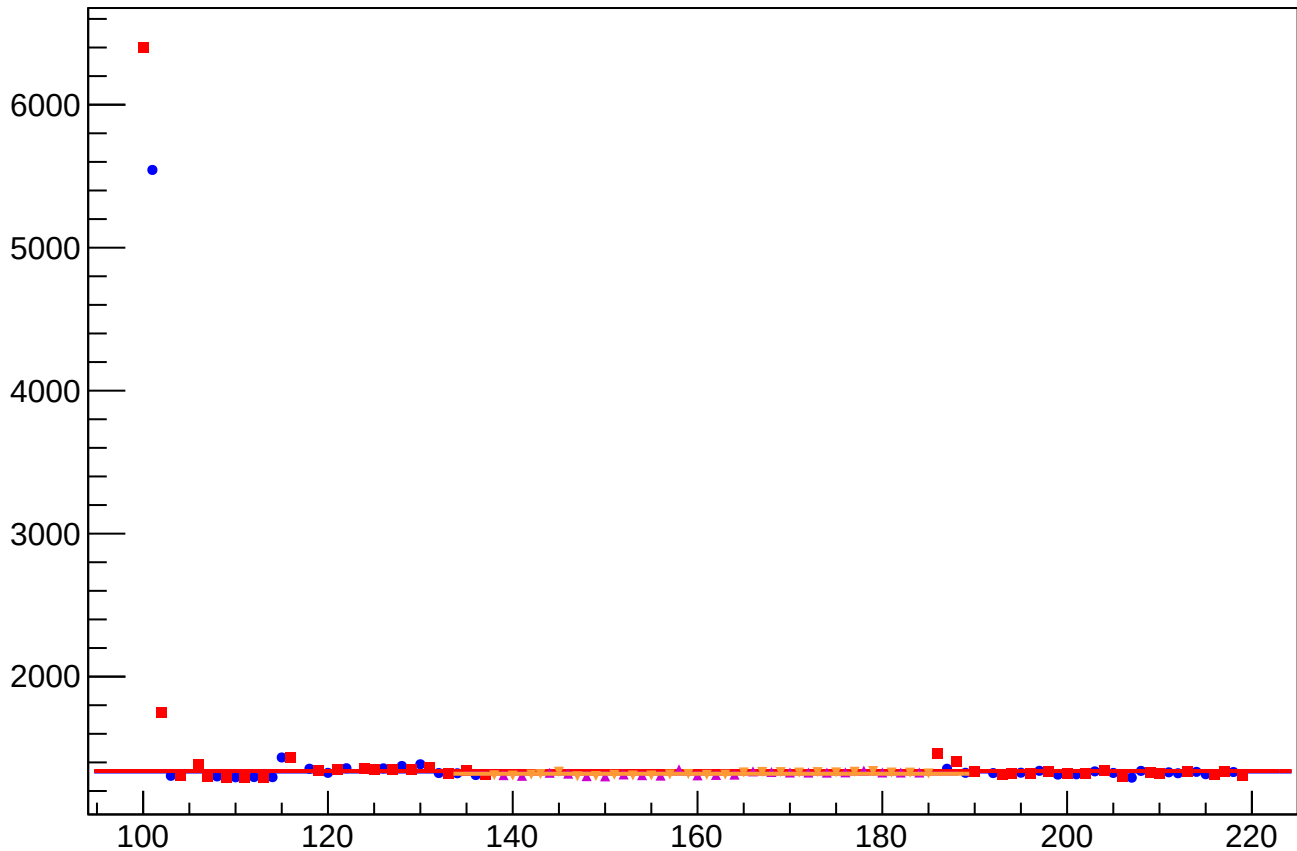
Left In: 39.193 ± 308.622 χ^2/NDF : 27.1/22

+ sign 40.998 ± 212.160 χ^2/NDF : 66.0/56

All: 33.617 ± 150.023 χ^2/NDF : 119.4/115

- sign 26.234 ± 212.170 χ^2/NDF : 53.4/58

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1336.253+/-0.212 χ^2/NDF : 767093.2/31

Left Out: 1320.740+/-0.212 χ^2/NDF : 2602.3/24

Right Out: 1339.633+/-0.207 χ^2/NDF : 164071.9/35

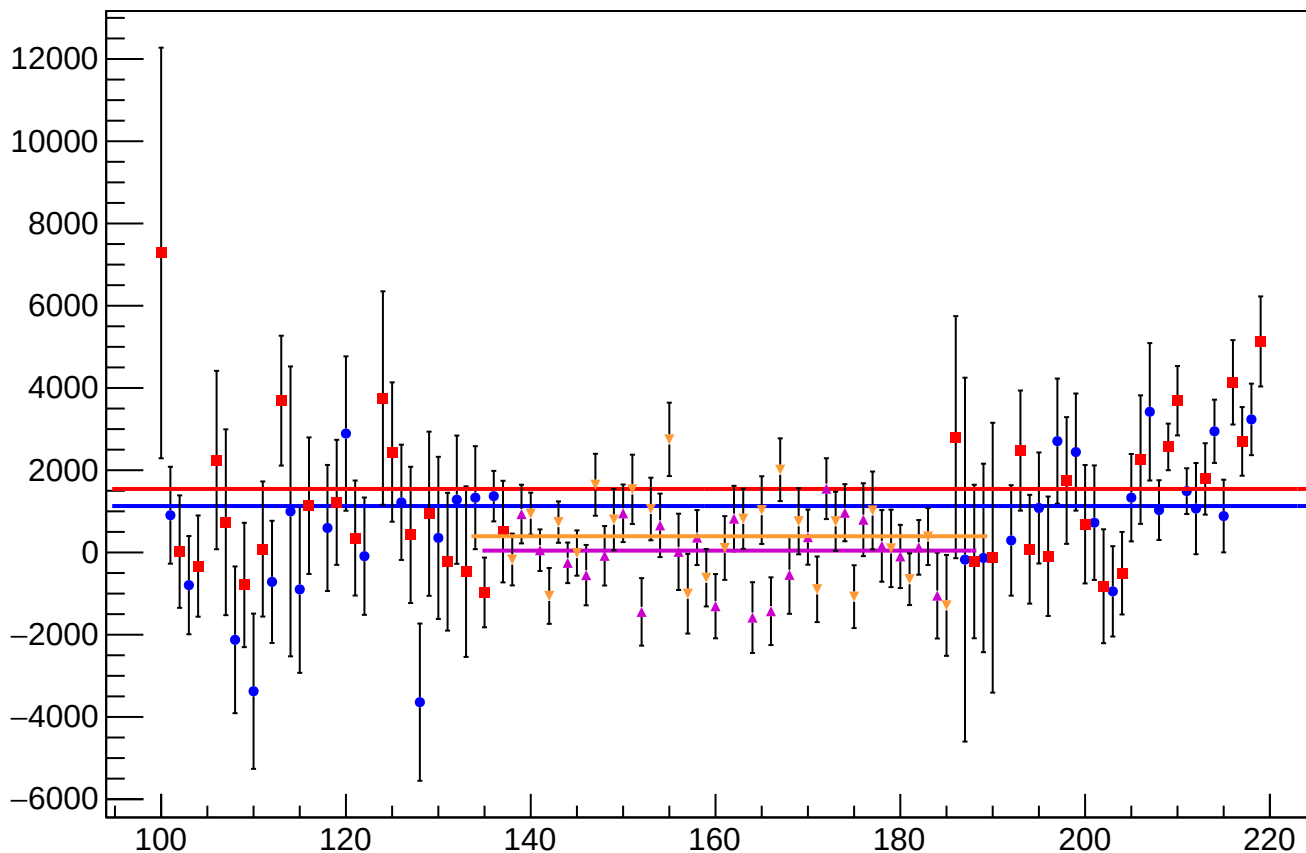
Left In: 1321.783+/-0.218 χ^2/NDF : 3553.3/22

+ sign 1328.495+/-0.150 χ^2/NDF : 772368.5/56

All: 1329.846+/-0.106 χ^2/NDF : 943684.5/115

- sign 1331.197+/-0.150 χ^2/NDF : 171153.9/58

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 1129.074 $\pm$ 204.857 χ^2 /NDF: 42.7/31

Left Out: 394.522 $\pm$ 144.562 χ^2 /NDF: 41.8/24

Right Out: 1545.011 $\pm$ 214.112 χ^2 /NDF: 64.9/35

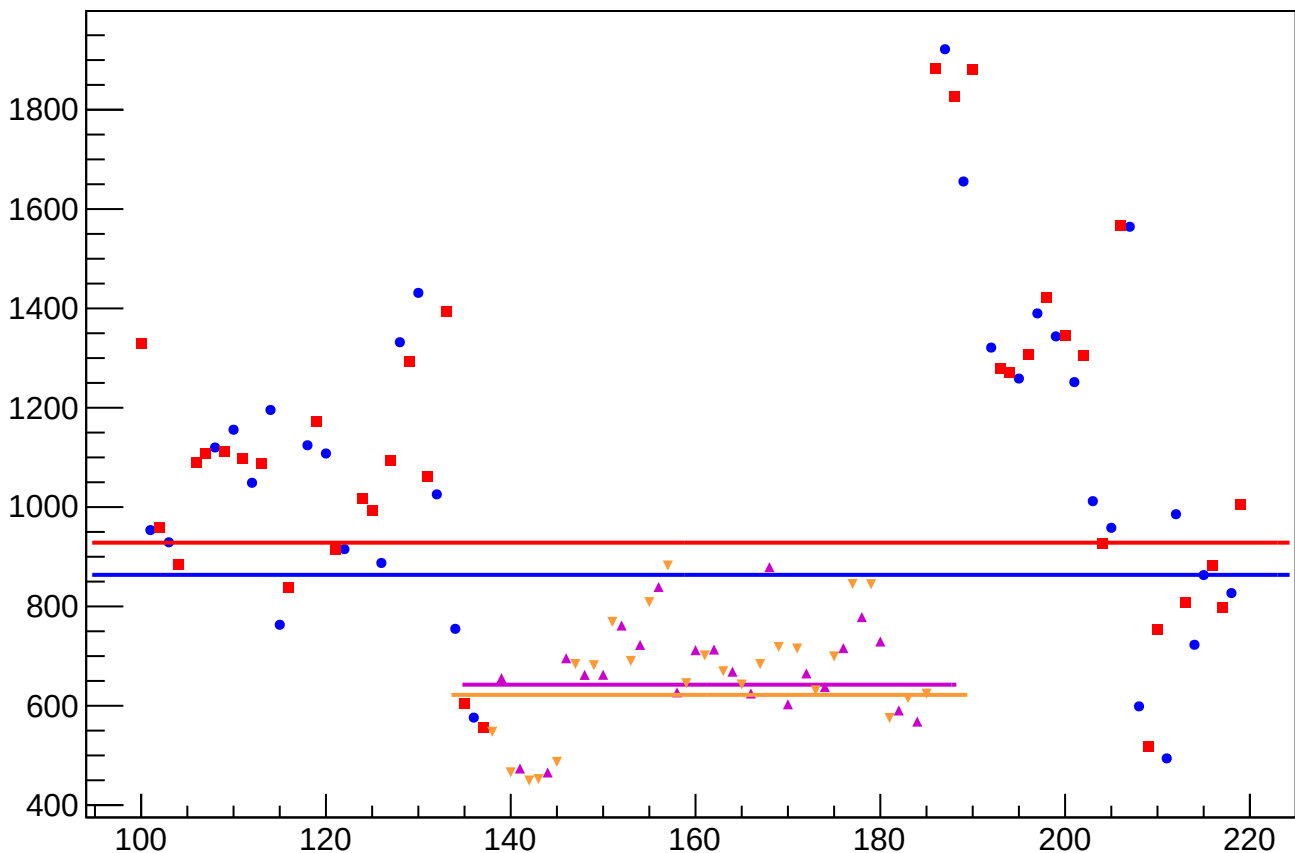
Left In: 44.766 $\pm$ 152.332 χ^2 /NDF: 27.6/22

+ sign 638.710 $\pm$ 118.114 χ^2 /NDF: 93.2/56

All: 596.053 $\pm$ 85.565 χ^2 /NDF: 218.5/115

- sign 548.946 $\pm$ 124.123 χ^2 /NDF: 125.0/58

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 863.584 $\pm$ 0.145 χ^2/NDF : 4043114.9/31

Left Out: 621.950 $\pm$ 0.102 χ^2/NDF : 1383373.4/24

Right Out: 928.384 $\pm$ 0.151 χ^2/NDF : 4166932.8/35

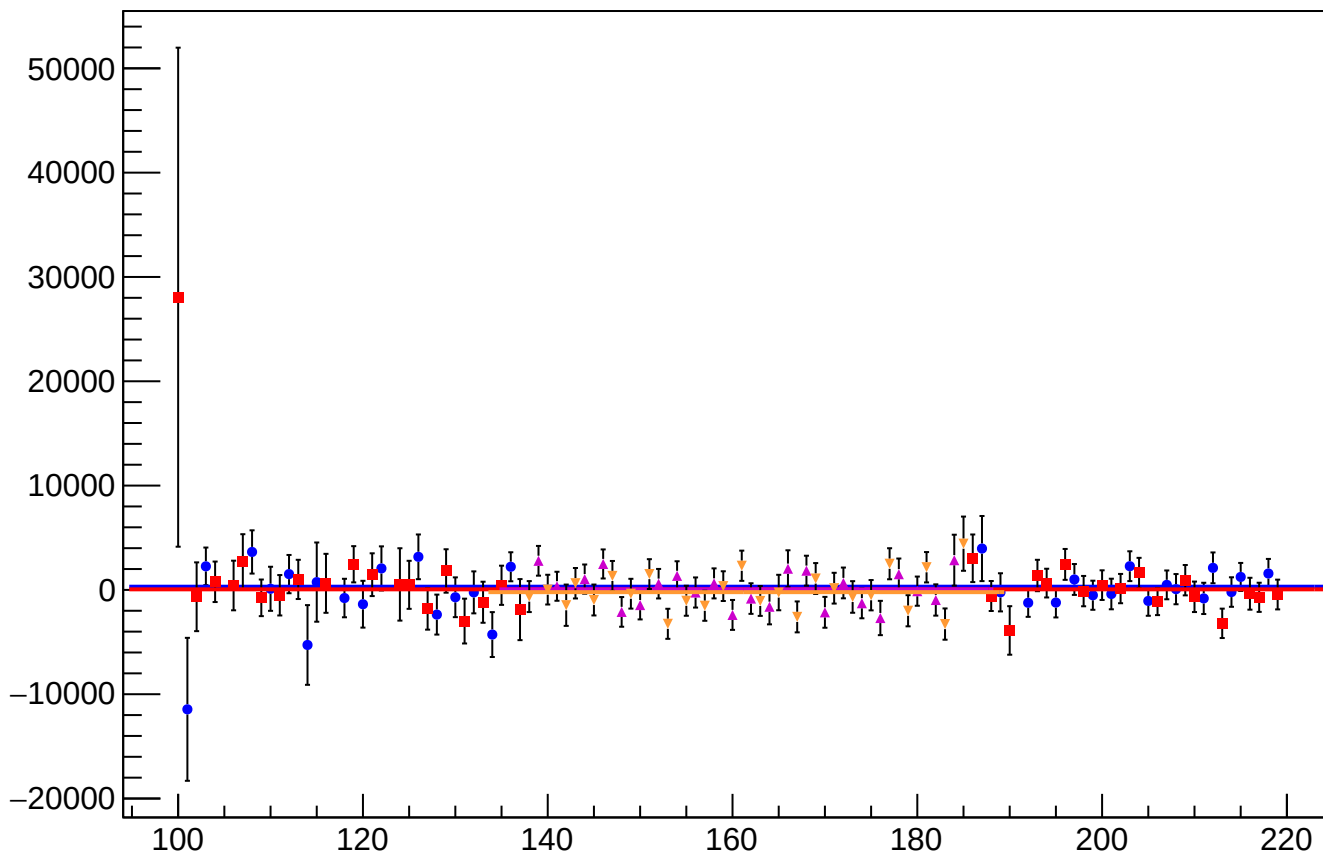
Left In: 642.465 $\pm$ 0.108 χ^2/NDF : 926376.1/22

+ sign 702.277 $\pm$ 0.084 χ^2/NDF : 7284032.9/56

All: 719.515 $\pm$ 0.061 χ^2/NDF : 14834872.4/11

- sign 738.553 $\pm$ 0.088 χ^2/NDF : 7461188.6/58

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 305.907 $\pm$ 301.270 χ^2 /NDF: 32.5/31

Left Out: -215.033 $\pm$ 300.379 χ^2 /NDF:31.3/24

Right Out: 54.270 $\pm$ 293.833 χ^2 /NDF: 27.0/35

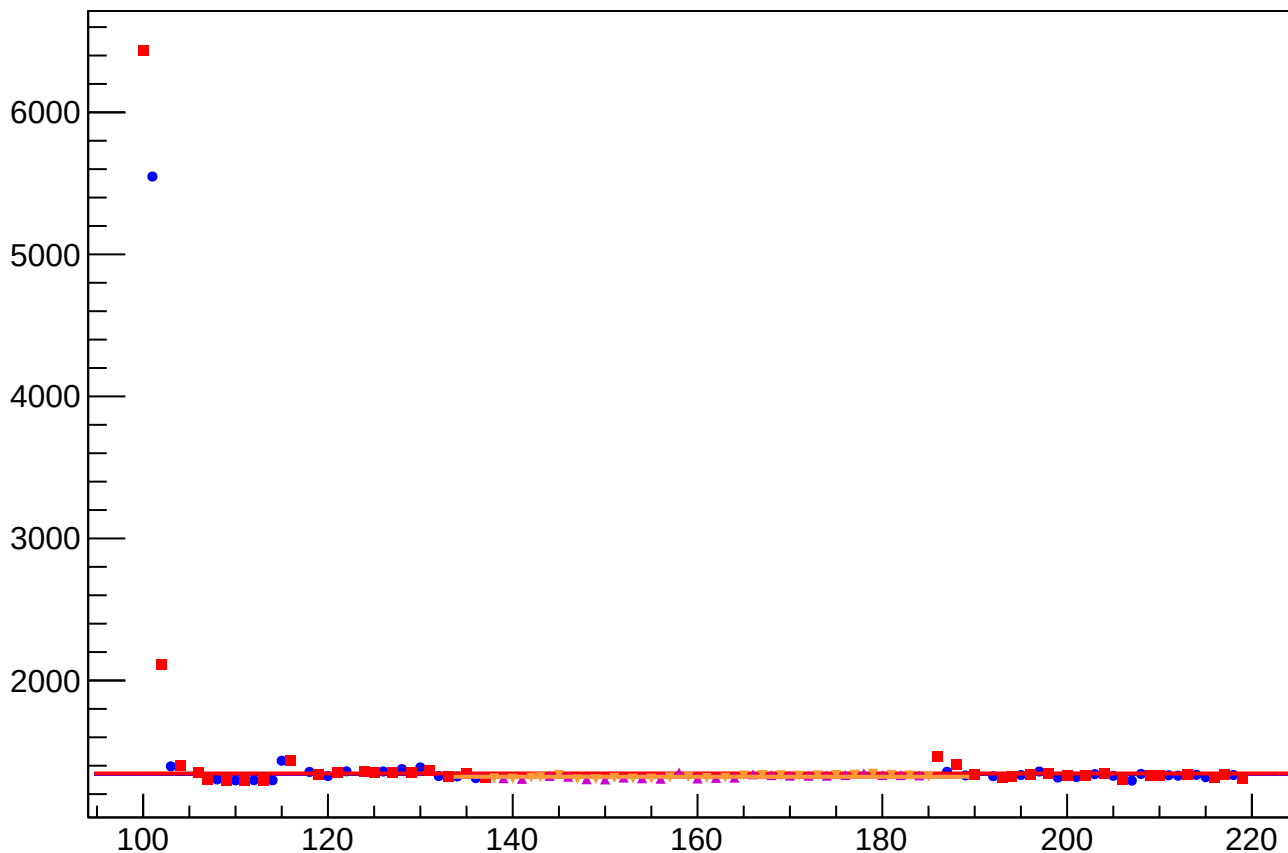
Left In: 50.244 $\pm$ 308.986 χ^2 /NDF:27.8/22

+ sign 44.665 $\pm$ 212.714 χ^2 /NDF: 65.2/56

All: 48.508 $\pm$ 150.487 χ^2 /NDF: 120.0/115

- sign 52.358 $\pm$ 212.927 χ^2 /NDF: 54.8/58

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1341.545 $\pm$ 0.213 χ^2 /NDF: 768157.0/31

Left Out: 1322.369 $\pm$ 0.212 χ^2 /NDF: 2931.9/24

Right Out: 1345.301 $\pm$ 0.208 χ^2 /NDF: 222589.4/35

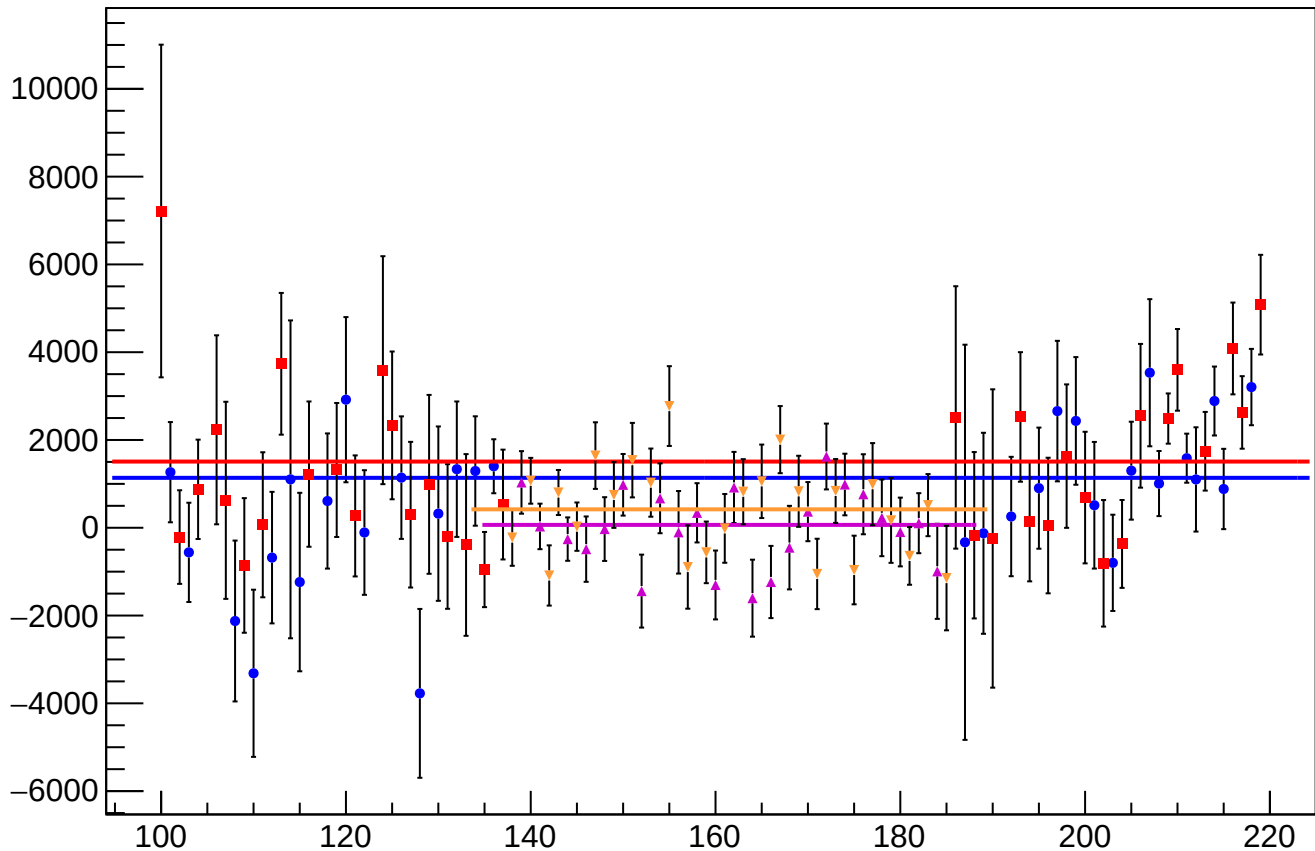
Left In: 1323.337 $\pm$ 0.218 χ^2 /NDF: 3856.3/22

+ sign 1331.929 $\pm$ 0.150 χ^2 /NDF: 775152.4/56

All: 1333.398 $\pm$ 0.106 χ^2 /NDF: 1007095.9/11

- sign 1334.871 $\pm$ 0.151 χ^2 /NDF: 231752.3/58

asym_usr_attr1_dd_dit_correction_mean vs Slug



Right In: 1137.701 $\pm$ 207.006 χ^2/NDF : 41.7/31

Left Out: 419.899 $\pm$ 146.436 χ^2/NDF : 41.5/24

Right Out: 1508.318 $\pm$ 215.567 χ^2/NDF : 59.8/35

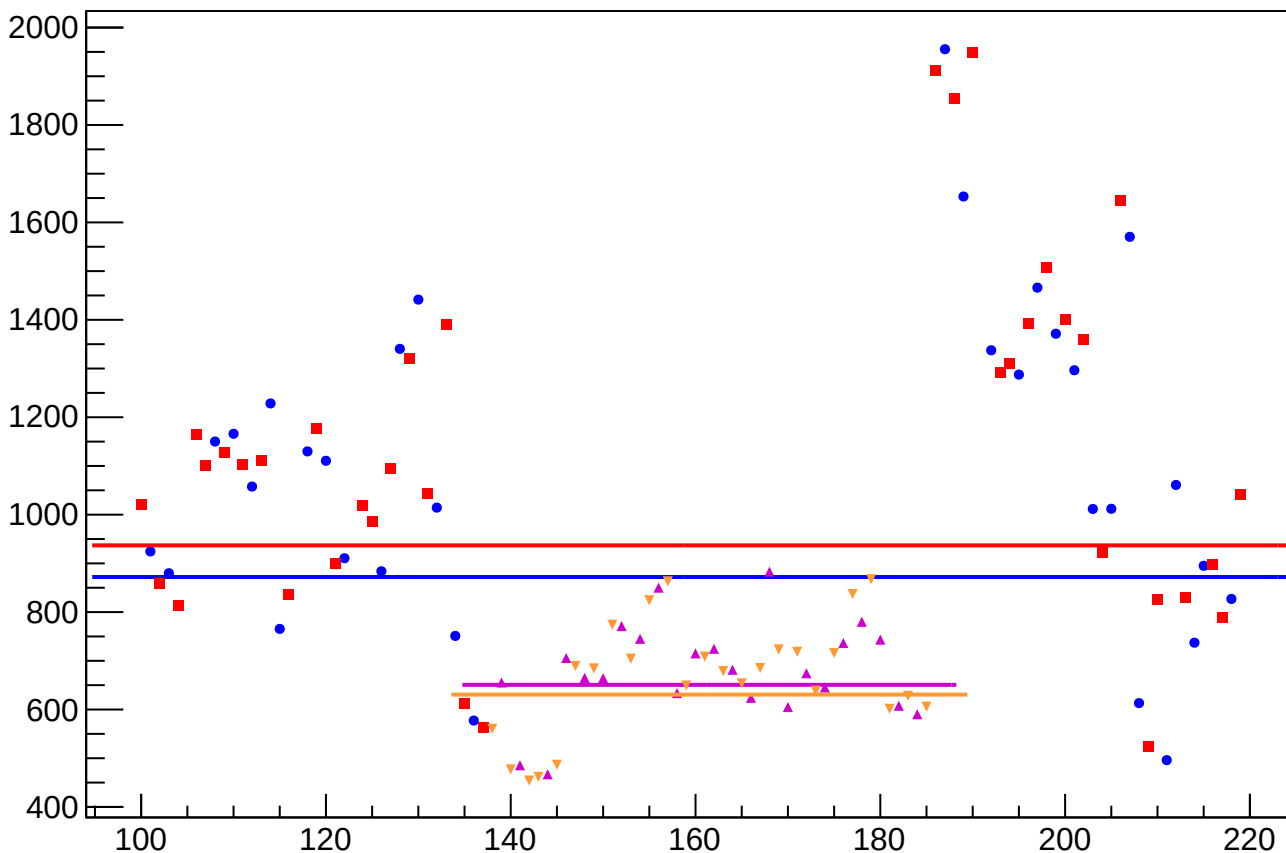
Left In: 65.405 $\pm$ 154.224 χ^2/NDF : 27.0/22

+ sign 659.298 $\pm$ 119.548 χ^2/NDF : 91.3/56

All: 609.135 $\pm$ 86.538 χ^2/NDF : 208.1/115

- sign 553.916 $\pm$ 125.429 χ^2/NDF : 116.5/58

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 872.047 $\pm$ 0.146 χ^2/NDF : 4145895.8/31

Left Out: 630.592 $\pm$ 0.104 χ^2/NDF :1328590.6/24

Right Out: 937.009 $\pm$ 0.152 χ^2/NDF : 4331499.7/35

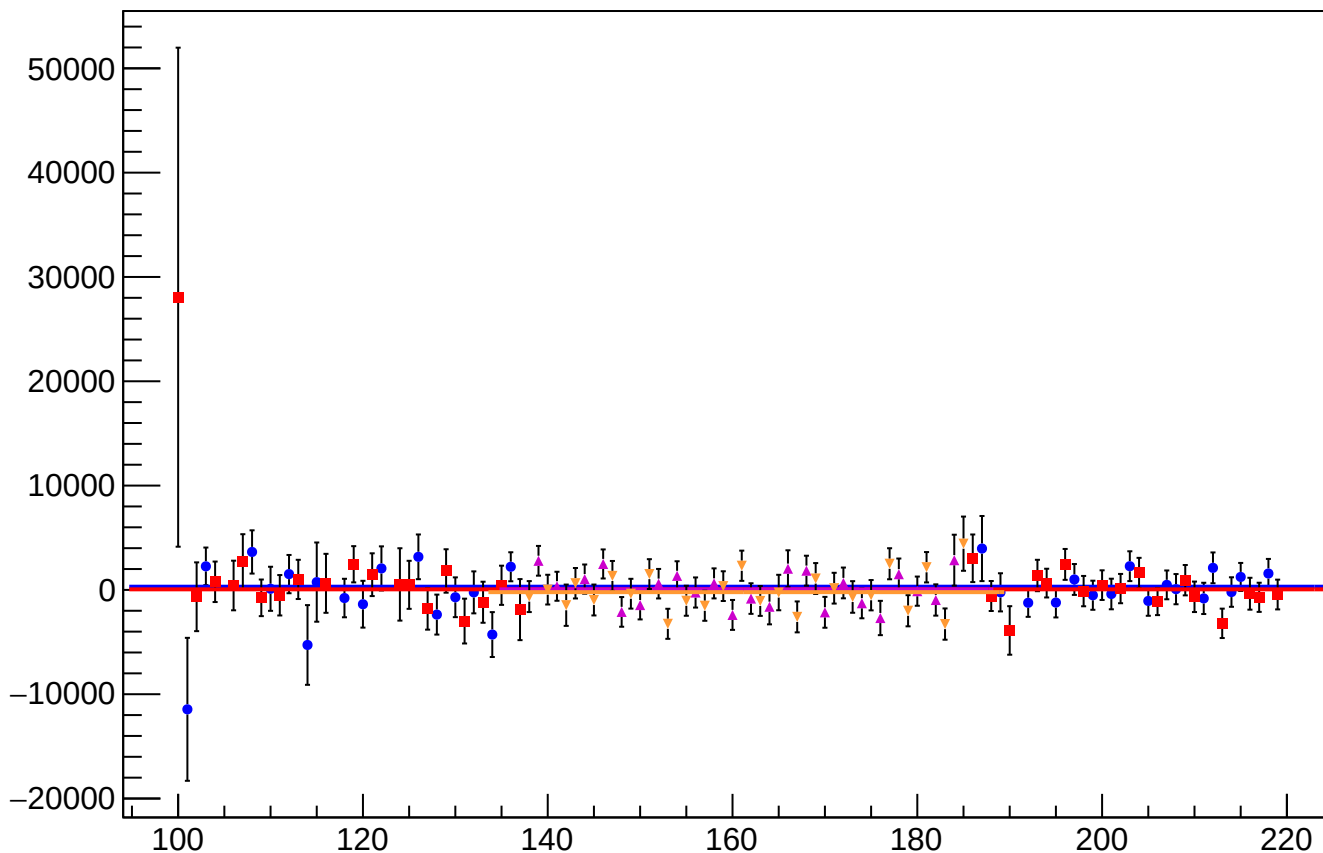
Left In: 650.637 $\pm$ 0.109 χ^2/NDF :922078.1/22

+ sign 711.121 $\pm$ 0.085 χ^2/NDF : 7288016.6/56

All: 728.481 $\pm$ 0.061 χ^2/NDF : 14964833.5/11

- sign 747.591 $\pm$ 0.089 χ^2/NDF : 7588219.7/58

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 305.906 $\pm$ 301.270 χ^2 /NDF: 32.5/31

Left Out: -215.035 $\pm$ 300.379 χ^2 /NDF:31.3/24

Right Out: 54.265 $\pm$ 293.833 χ^2 /NDF: 27.0/35

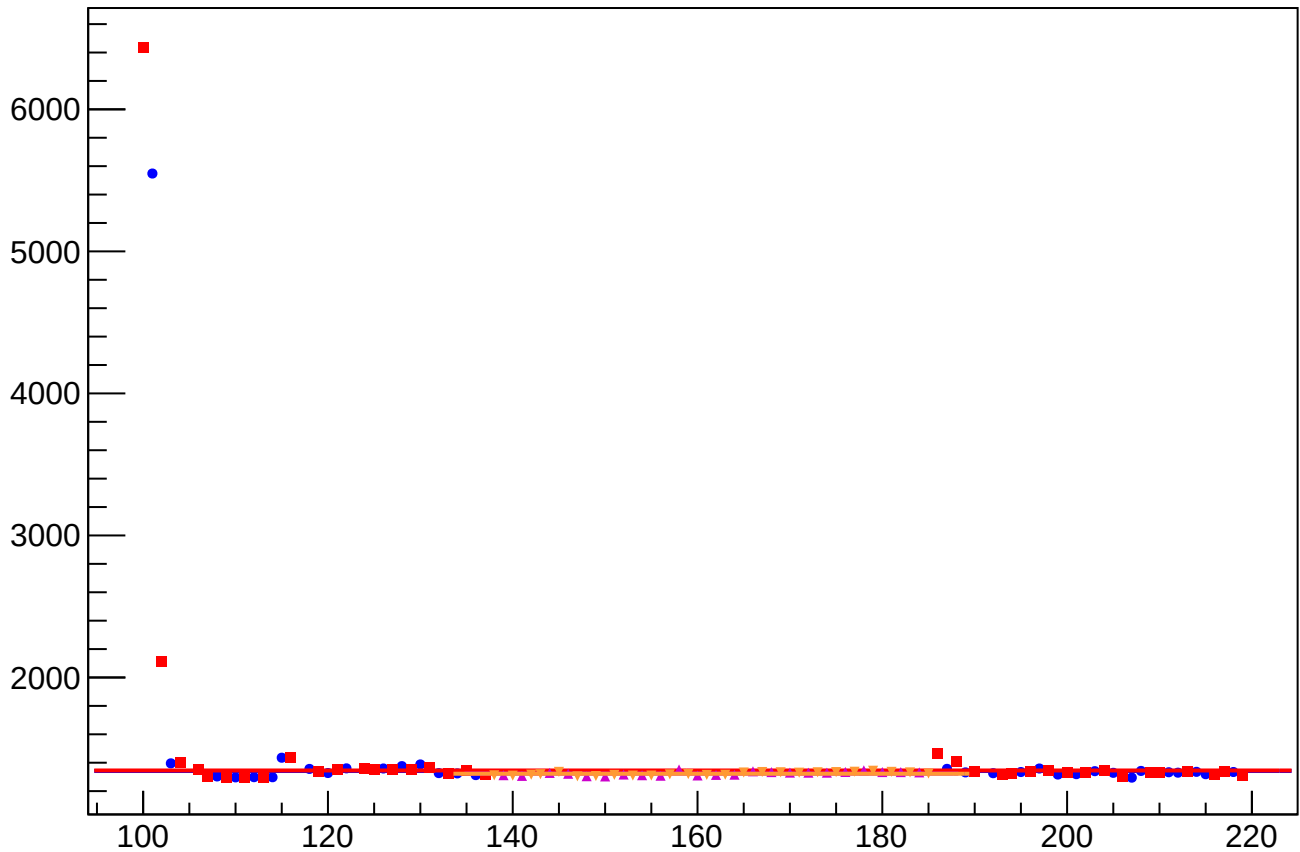
Left In: 50.244 $\pm$ 308.986 χ^2 /NDF:27.8/22

+ sign 44.665 $\pm$ 212.714 χ^2 /NDF: 65.2/56

All: 48.506 $\pm$ 150.487 χ^2 /NDF: 120.0/115

- sign 52.356 $\pm$ 212.927 χ^2 /NDF: 54.8/58

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1341.545 $\pm$ 0.213 χ^2 /NDF: 768157.0/31

Left Out: 1322.369 $\pm$ 0.212 χ^2 /NDF: 2931.9/24

Right Out: 1345.301 $\pm$ 0.208 χ^2 /NDF: 222589.3/35

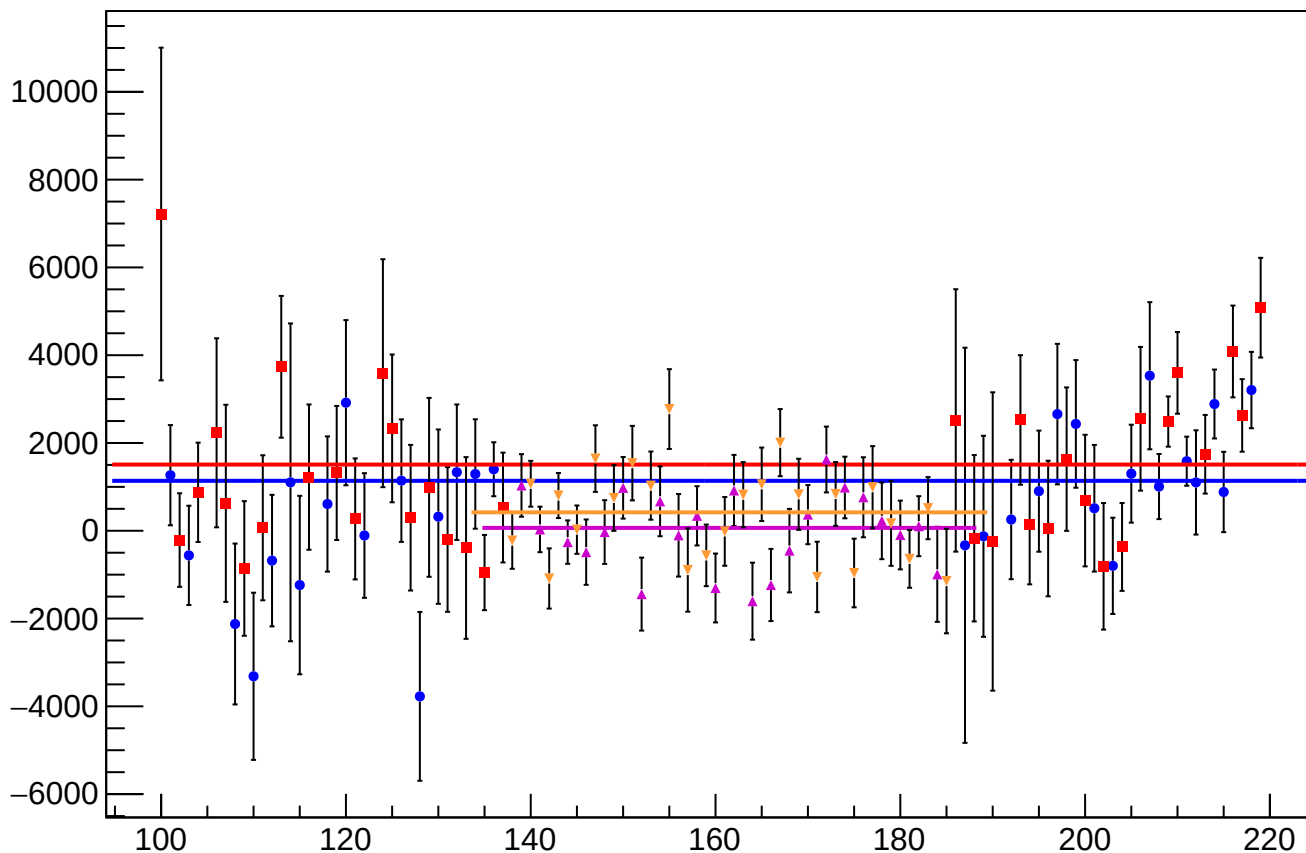
Left In: 1323.337 $\pm$ 0.218 χ^2 /NDF: 3856.3/22

+ sign 1331.929 $\pm$ 0.150 χ^2 /NDF: 775152.4/56

All: 1333.398 $\pm$ 0.106 χ^2 /NDF: 1007095.7/11

- sign 1334.871 $\pm$ 0.151 χ^2 /NDF: 231752.2/58

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 1137.699 $\pm$ 207.006 χ^2 /NDF: 41.7/31

Left Out: 419.899 $\pm$ 146.436 χ^2 /NDF:41.5/24

Right Out: 1508.317 $\pm$ 215.566 χ^2 /NDF: 59.8/35

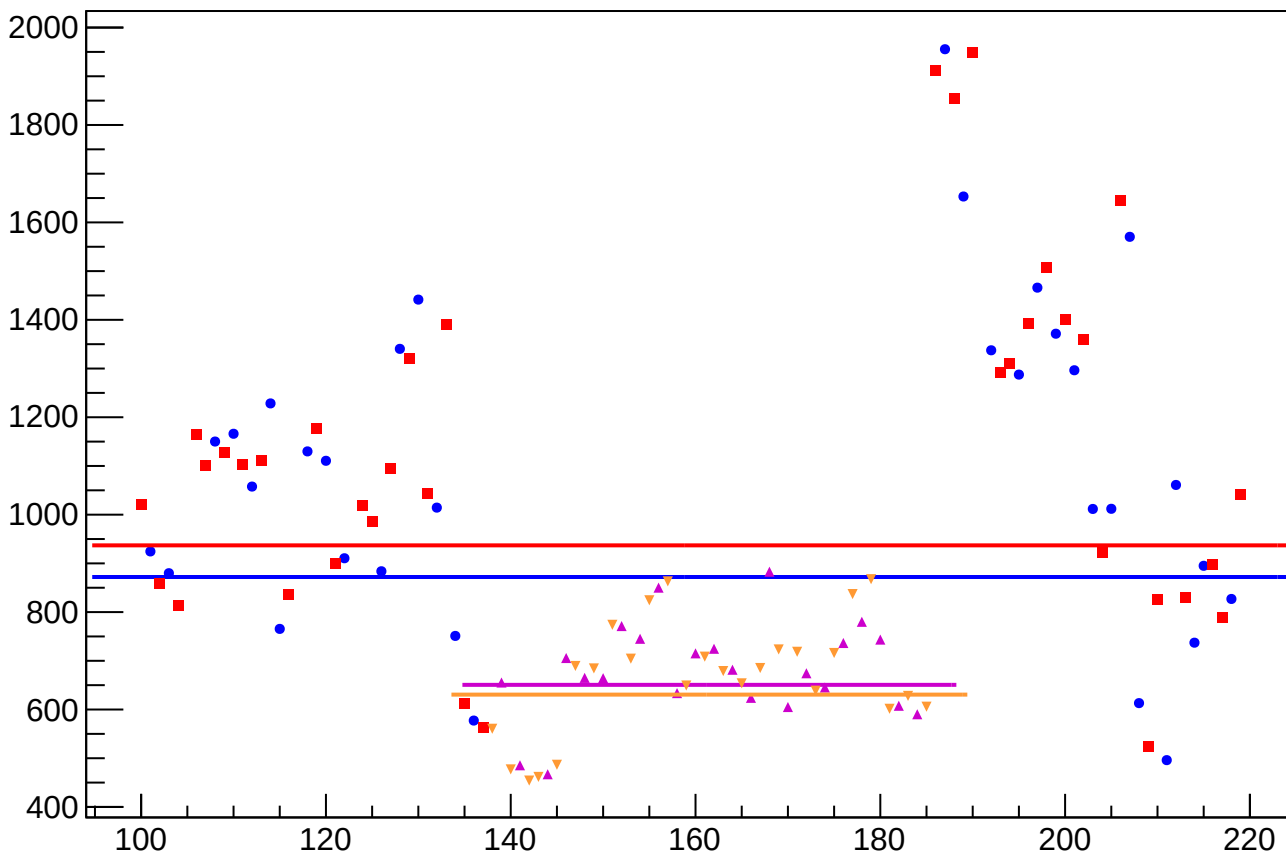
Left In: 65.405 $\pm$ 154.225 χ^2 /NDF:27.0/22

+ sign 659.298 $\pm$ 119.548 χ^2 /NDF: 91.3/56

All: 609.136 $\pm$ 86.538 χ^2 /NDF: 208.1/115

- sign 553.918 $\pm$ 125.429 χ^2 /NDF: 116.5/58

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 872.046 $\pm$ 0.146 χ^2 /NDF: 4145890.0/31

Left Out: 630.592 $\pm$ 0.104 χ^2 /NDF:1328610.2/24

Right Out: 937.007 $\pm$ 0.152 χ^2 /NDF: 4331524.7/35

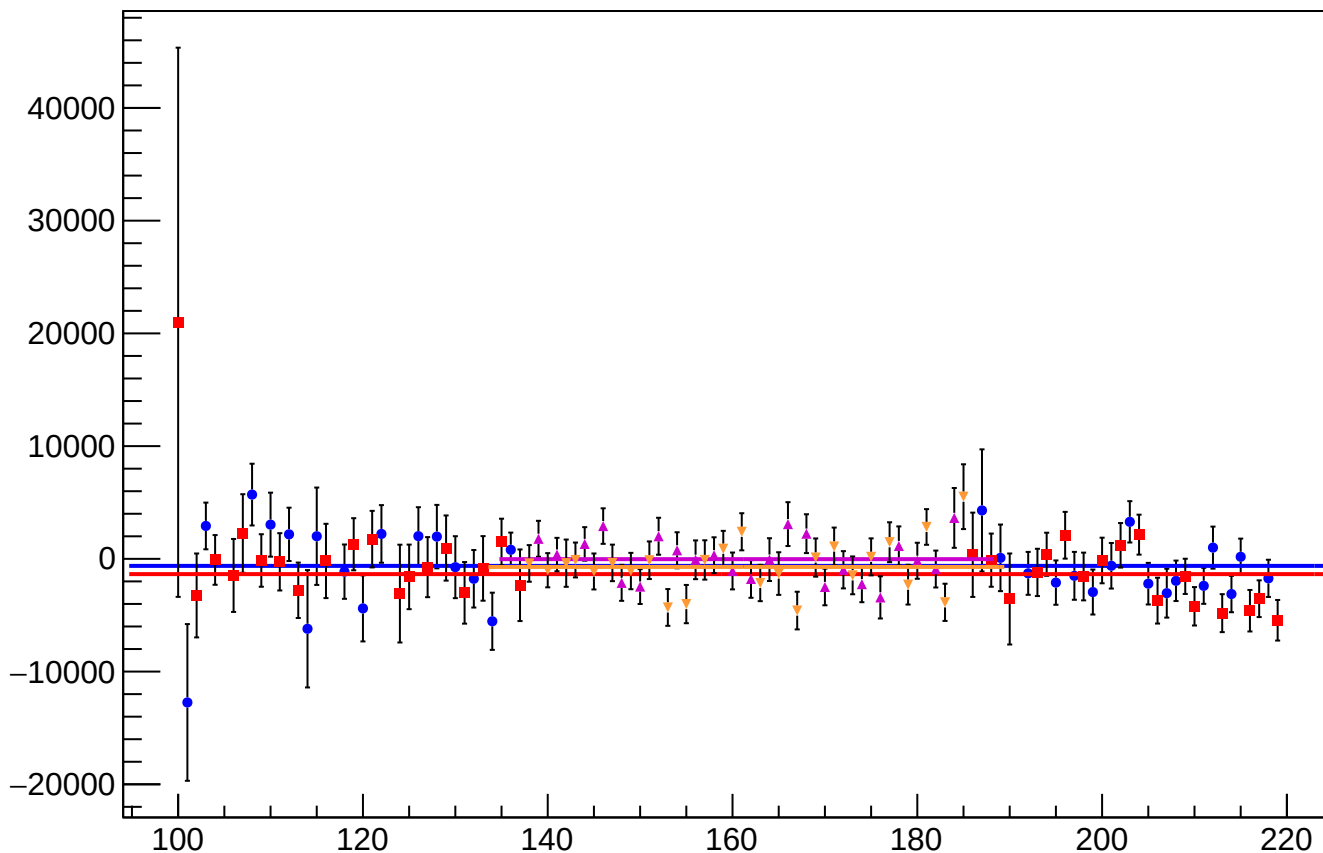
Left In: 650.638 $\pm$ 0.109 χ^2 /NDF:922087.6/22

+ sign 711.121 $\pm$ 0.085 χ^2 /NDF: 7288012.8/56

All: 728.481 $\pm$ 0.061 χ^2 /NDF: 14964812.7/11

- sign 747.591 $\pm$ 0.089 χ^2 /NDF: 7588202.3/58

asym_usr_atr1_dd_mean vs Slug



Right In: -623.982 ± 386.265 χ^2/NDF : 40.8/31

Left Out: -718.291 ± 337.578 χ^2/NDF : 37.7/24

Right Out: -1354.211 ± 382.251 χ^2/NDF : 38.3/35

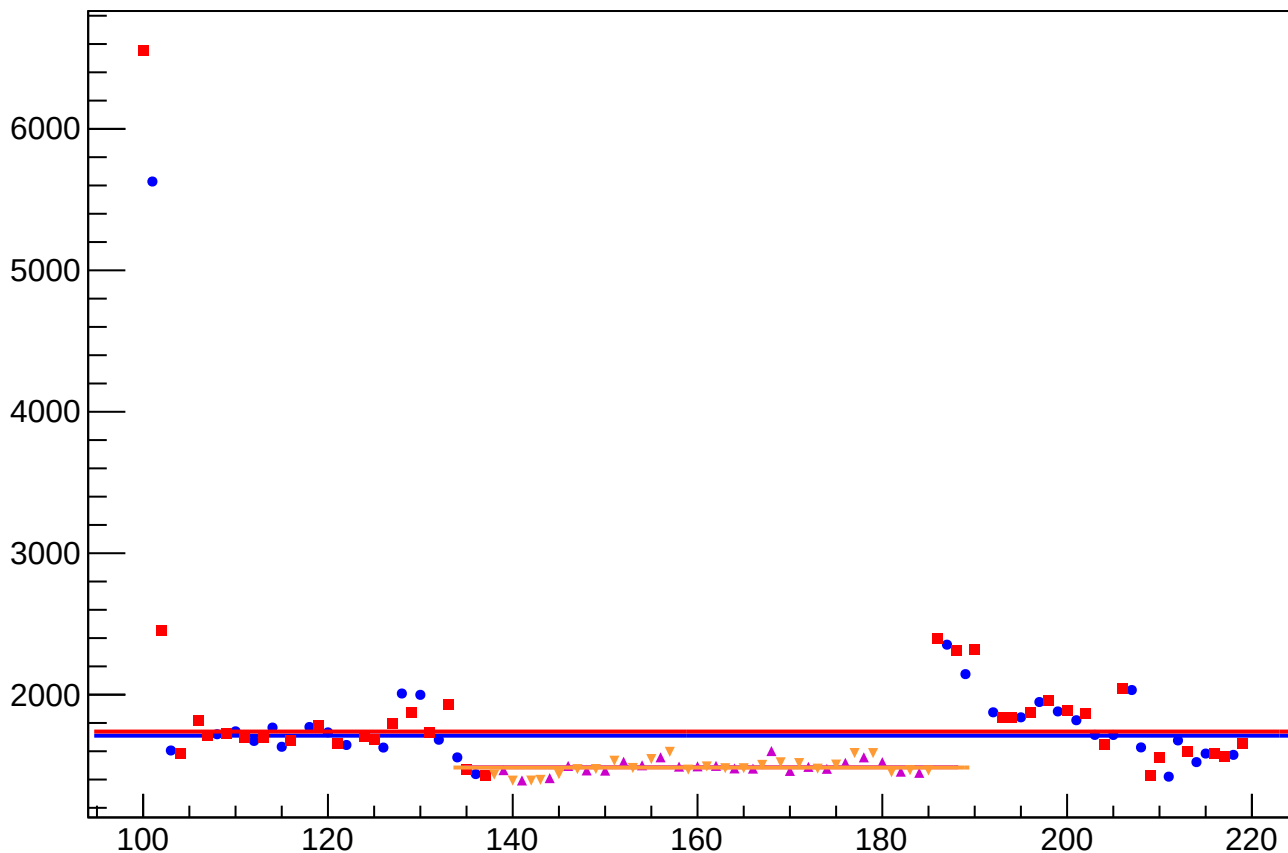
Left In: -27.514 ± 347.415 χ^2/NDF : 28.0/22

+ sign -677.451 ± 254.185 χ^2/NDF : 78.6/56

All: -652.843 ± 180.756 χ^2/NDF : 151.5/115

- sign -627.667 ± 257.095 χ^2/NDF : 72.9/58

asym_usr_atr1_dd_rms vs Slug



Right In: 1710.211+/-0.273 χ^2/NDF : 1071489.3/31

Left Out: 1484.960+/-0.239 χ^2/NDF : 50905.1/24

Right Out: 1739.250+/-0.270 χ^2/NDF : 725126.9/35

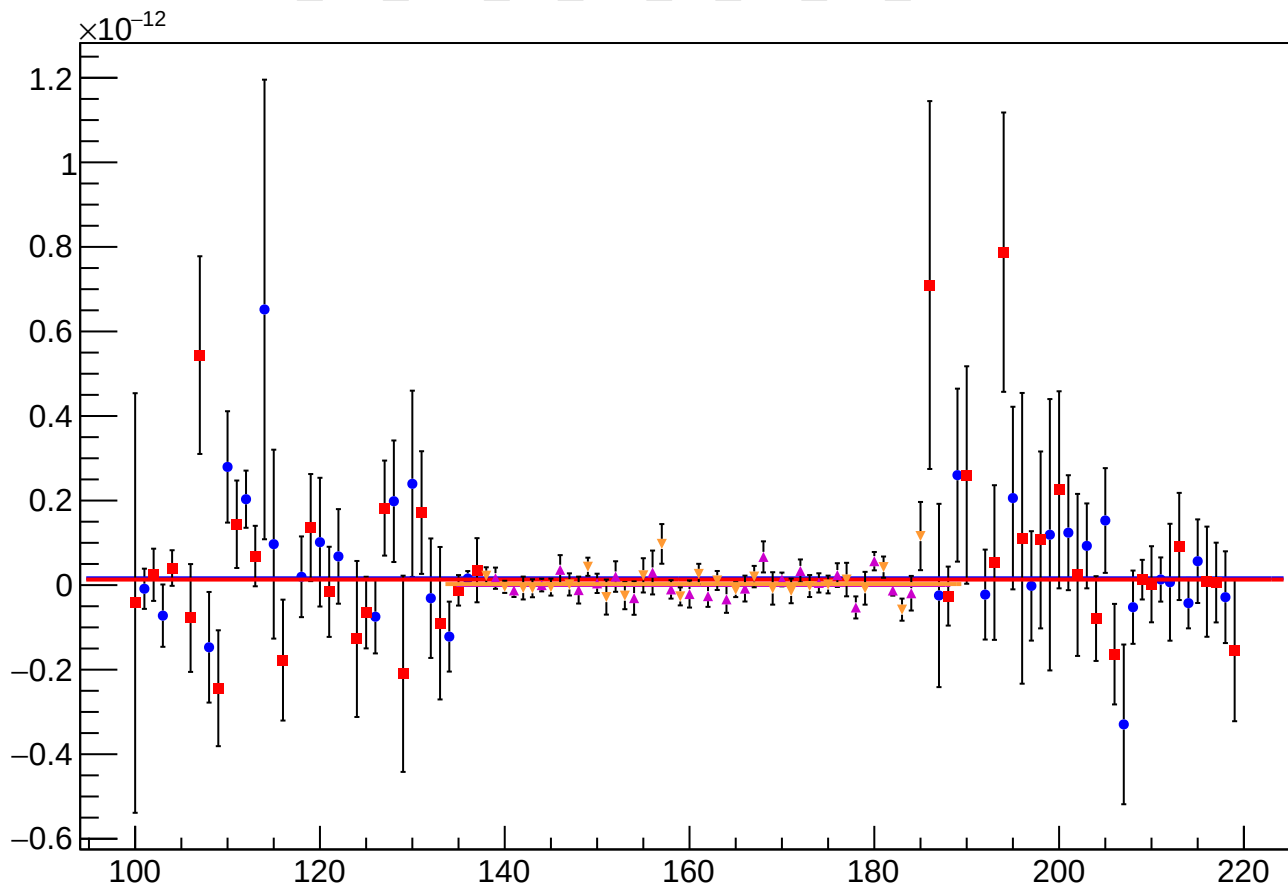
Left In: 1487.112+/-0.246 χ^2/NDF : 34817.2/22

+ sign 1582.503+/-0.180 χ^2/NDF : 1508001.0/56

All: 1591.731+/-0.128 χ^2/NDF : 2749816.3/11

- sign 1601.171+/-0.182 χ^2/NDF : 1236482.9/58

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.8/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.3/35

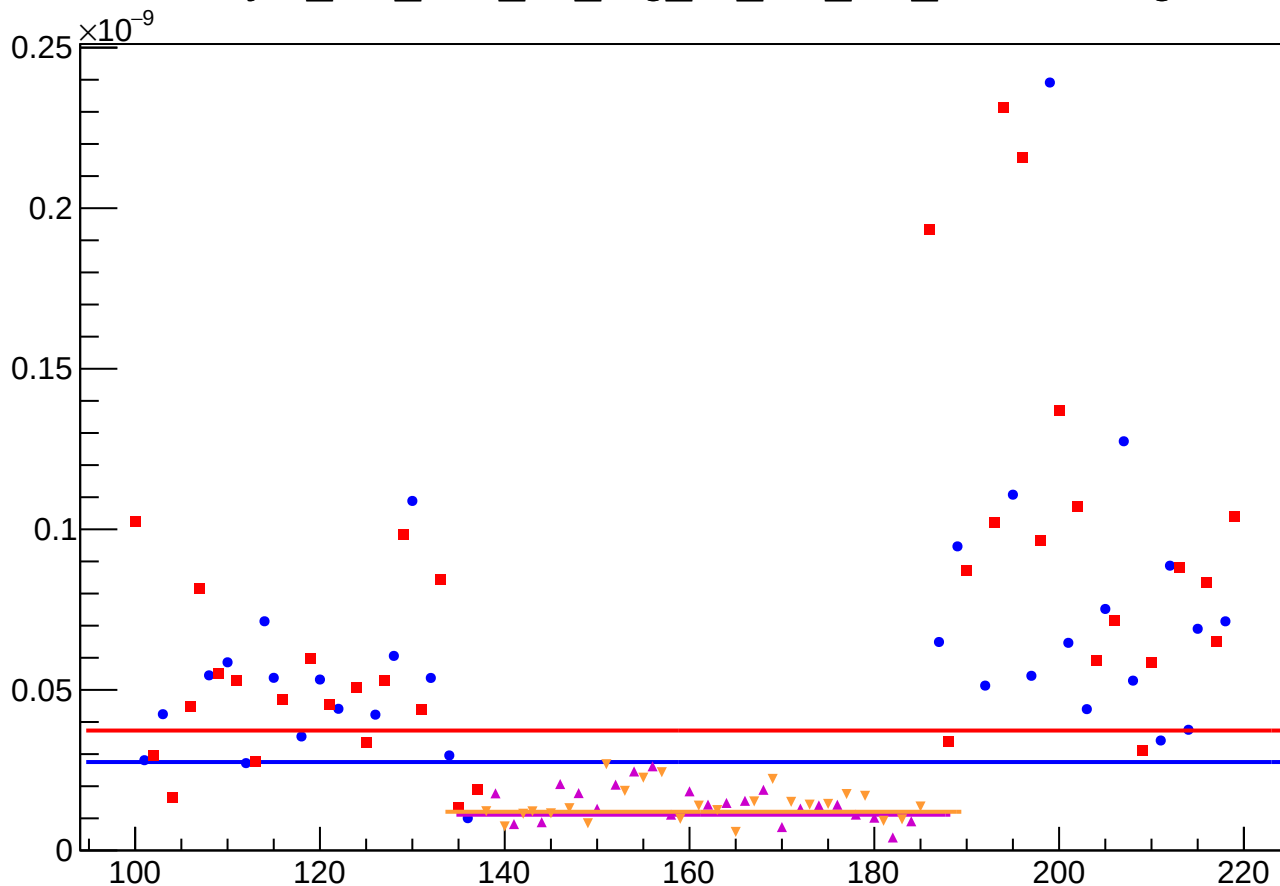
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:24.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 60.2/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 122.2/115

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.8/58

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6929208.1/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6255143.6/35

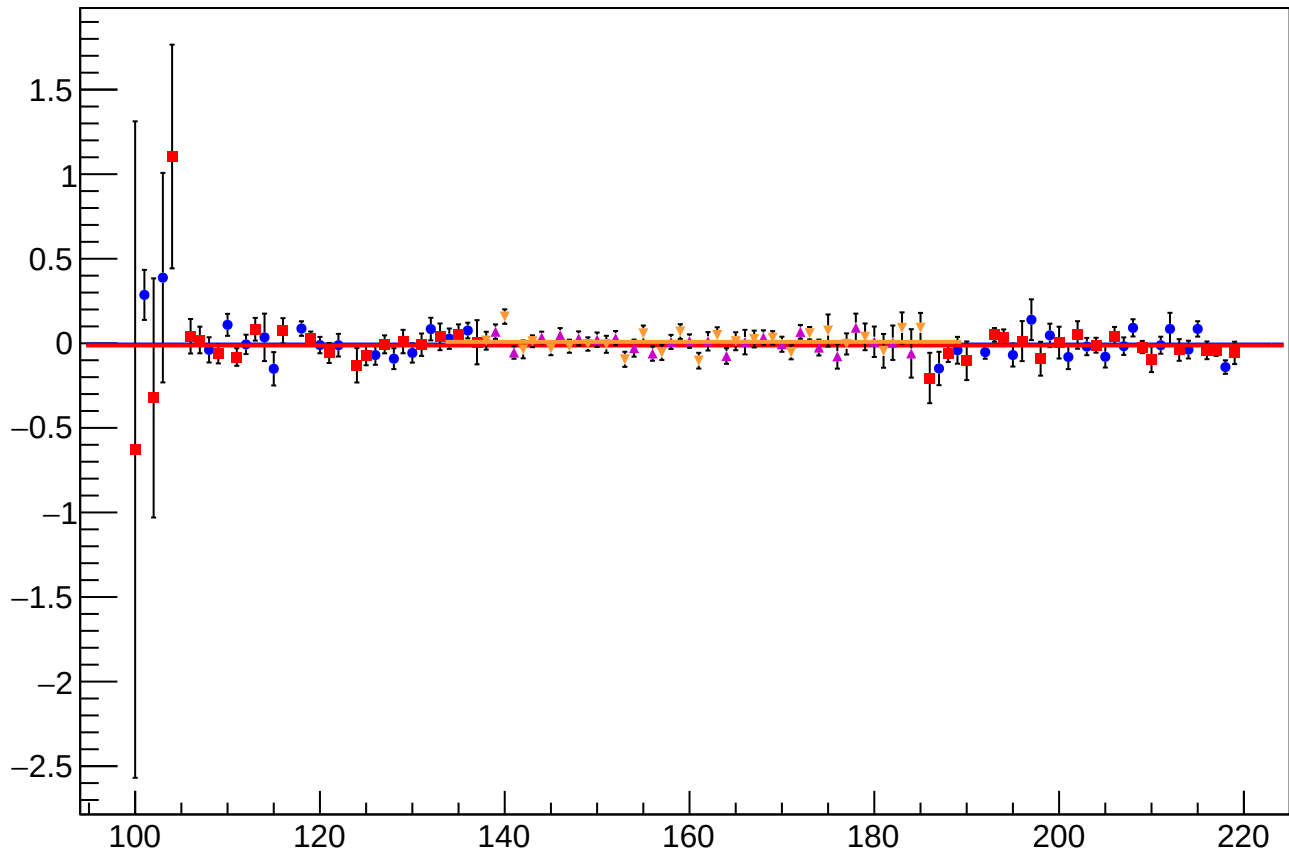
Left In: 0.000+/-0.000 χ^2/NDF : 2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 11076279.9/56

All: 0.000+/-0.000 χ^2/NDF : 24702249.3/115

- sign 0.000+/-0.000 χ^2/NDF : 13602639.1/58

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.011 χ^2/NDF : 53.1/31

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.013 ± 0.010 χ^2/NDF : 26.7/35

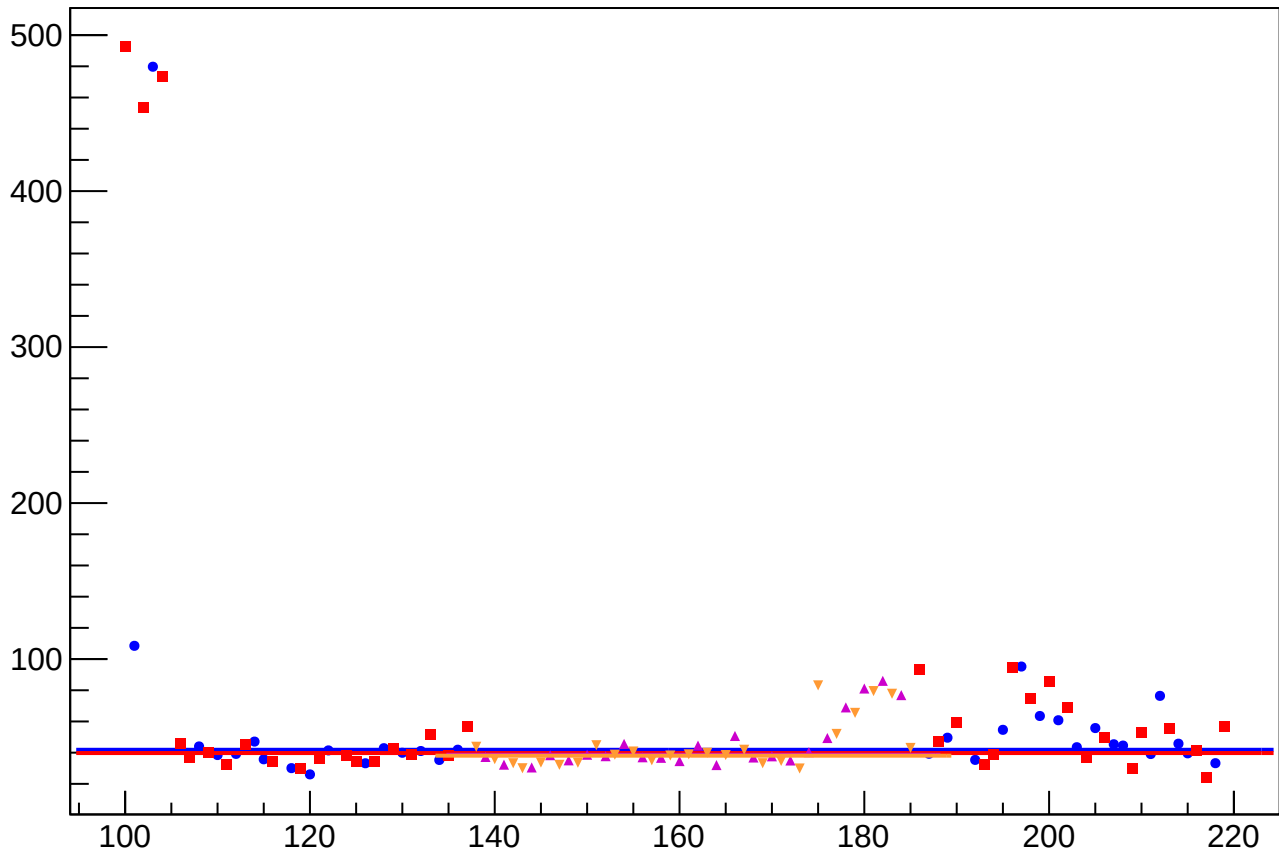
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.002 ± 0.007 χ^2/NDF : 92.9/56

All: -0.000 ± 0.005 χ^2/NDF : 140.8/115

- sign -0.002 ± 0.007 χ^2/NDF : 47.7/58

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.842 $\pm$ 0.007 χ^2 /NDF: 3222426.9/31

Left Out: 38.067 $\pm$ 0.007 χ^2 /NDF: 1967115.3/24

Right Out: 39.748 $\pm$ 0.007 χ^2 /NDF: 4850745.9/35

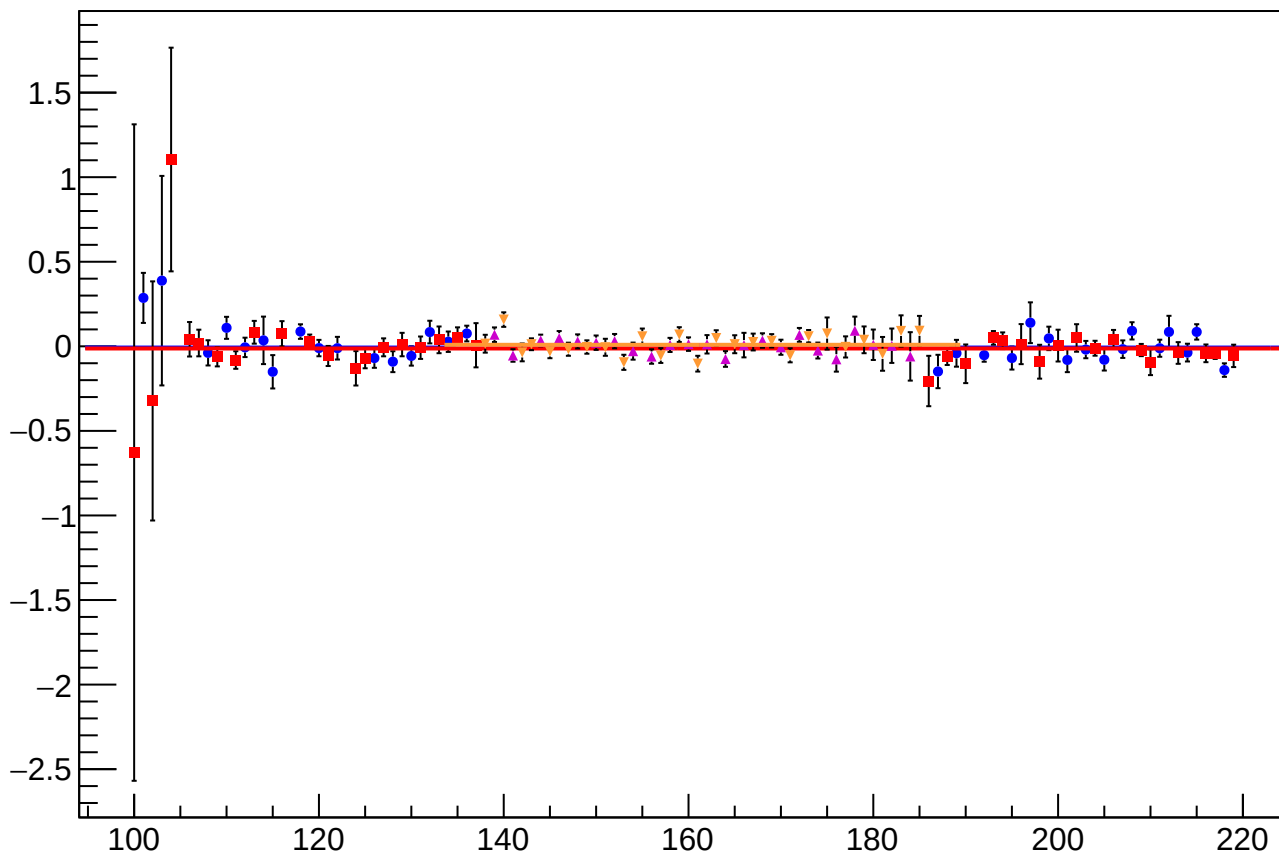
Left In: 38.630 $\pm$ 0.007 χ^2 /NDF: 1727664.7/22

+ sign 39.763 $\pm$ 0.005 χ^2 /NDF: 5329372.9/56

All: 39.468 $\pm$ 0.004 χ^2 /NDF: 11927022.4/115

- sign 39.169 $\pm$ 0.005 χ^2 /NDF: 6590675.7/58

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.011 χ^2/NDF : 53.1/31

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.013 ± 0.010 χ^2/NDF : 26.7/35

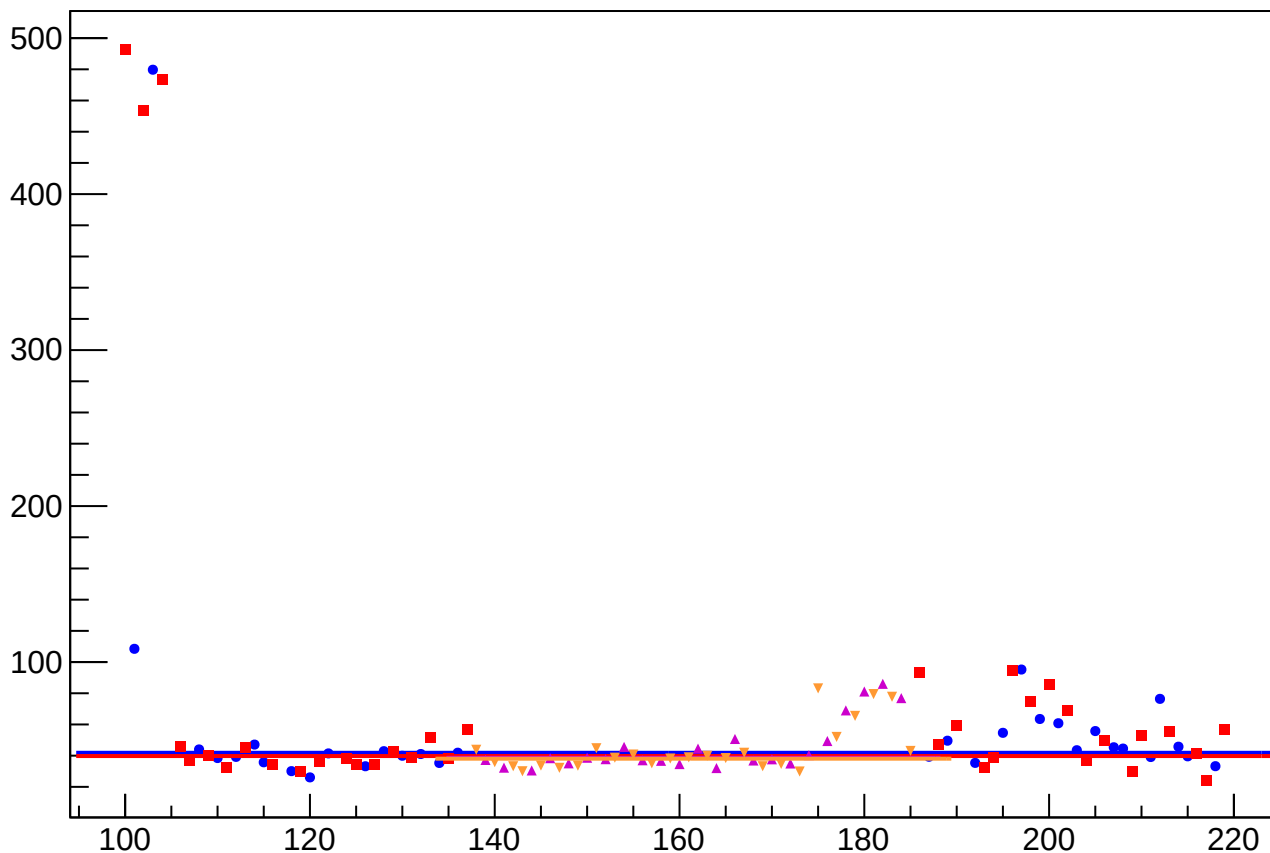
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.002 ± 0.007 χ^2/NDF : 92.9/56

All: -0.000 ± 0.005 χ^2/NDF : 140.8/115

- sign -0.002 ± 0.007 χ^2/NDF : 47.7/58

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.842 $\pm$ 0.007 χ^2 /NDF: 3222426.9/31

Left Out: 38.067 $\pm$ 0.007 χ^2 /NDF: 1967115.3/24

Right Out: 39.748 $\pm$ 0.007 χ^2 /NDF: 4850745.9/35

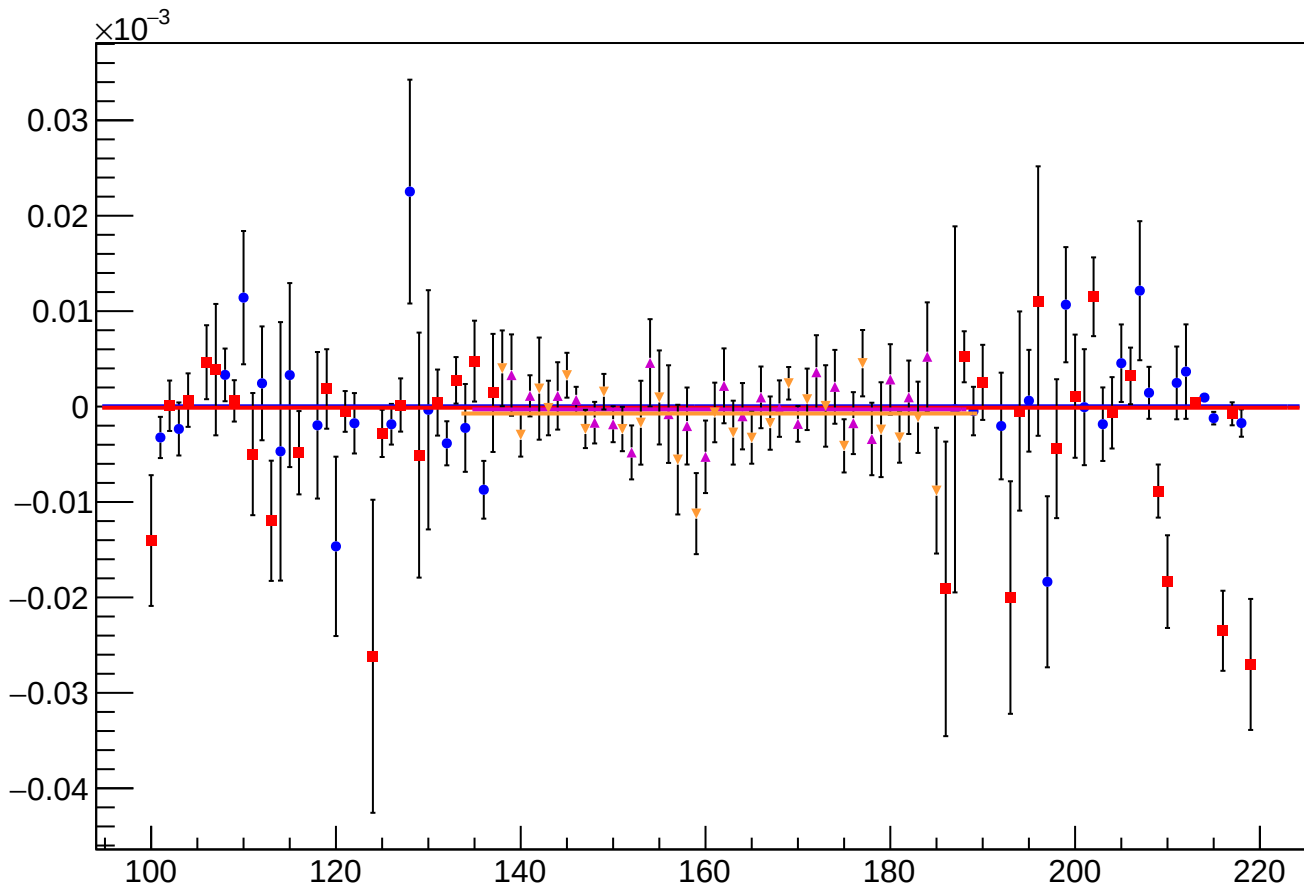
Left In: 38.630 $\pm$ 0.007 χ^2 /NDF: 1727664.7/22

+ sign 39.763 $\pm$ 0.005 χ^2 /NDF: 5329372.9/56

All: 39.468 $\pm$ 0.004 χ^2 /NDF: 11927022.4/115

- sign 39.169 $\pm$ 0.005 χ^2 /NDF: 6590675.7/58

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 49.4/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 109.3/35

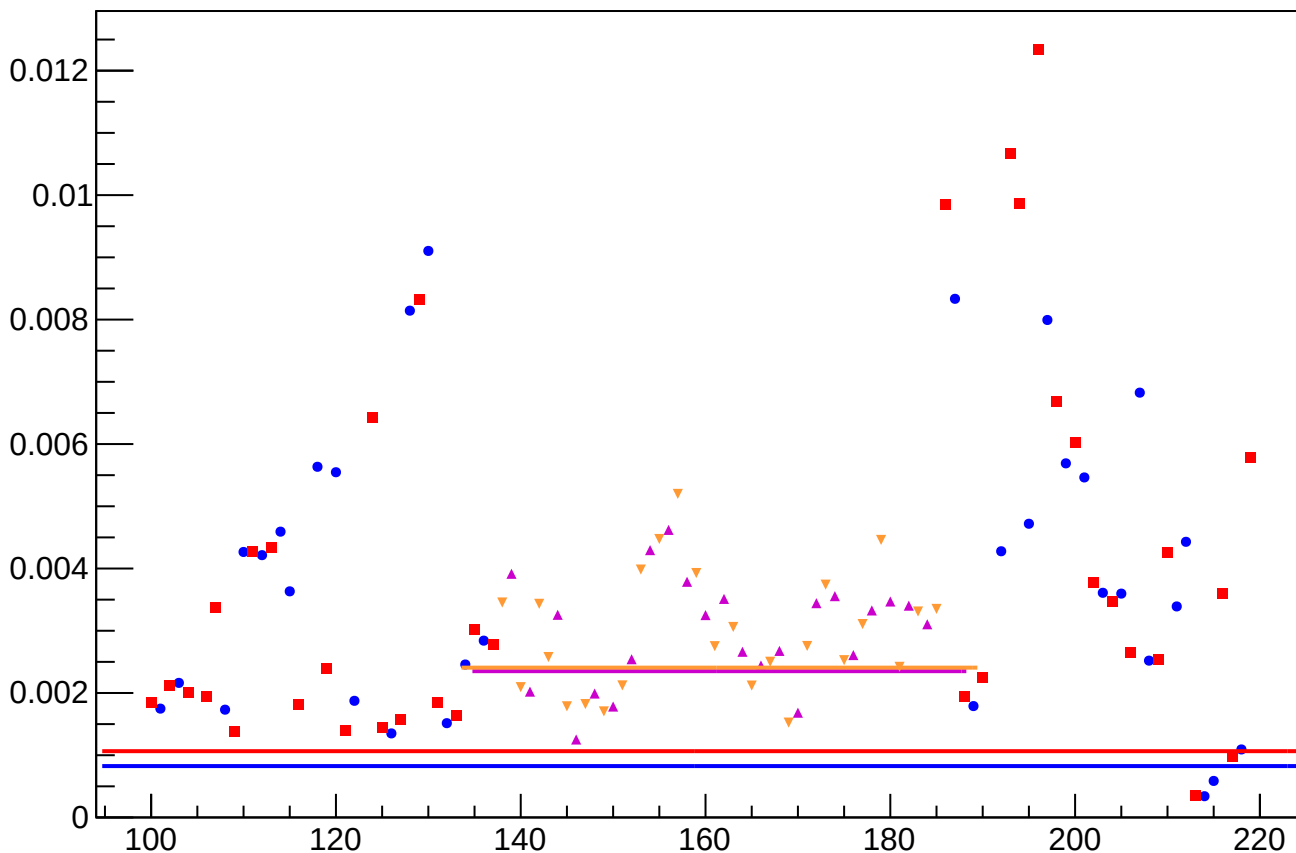
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.8/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 77.2/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 200.4/115

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 123.1/58

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 22534786.3/31

Left Out: 0.002+/-0.000 χ^2/NDF : 3682960.0/24

Right Out: 0.001+/-0.000 χ^2/NDF : 21085674.8/35

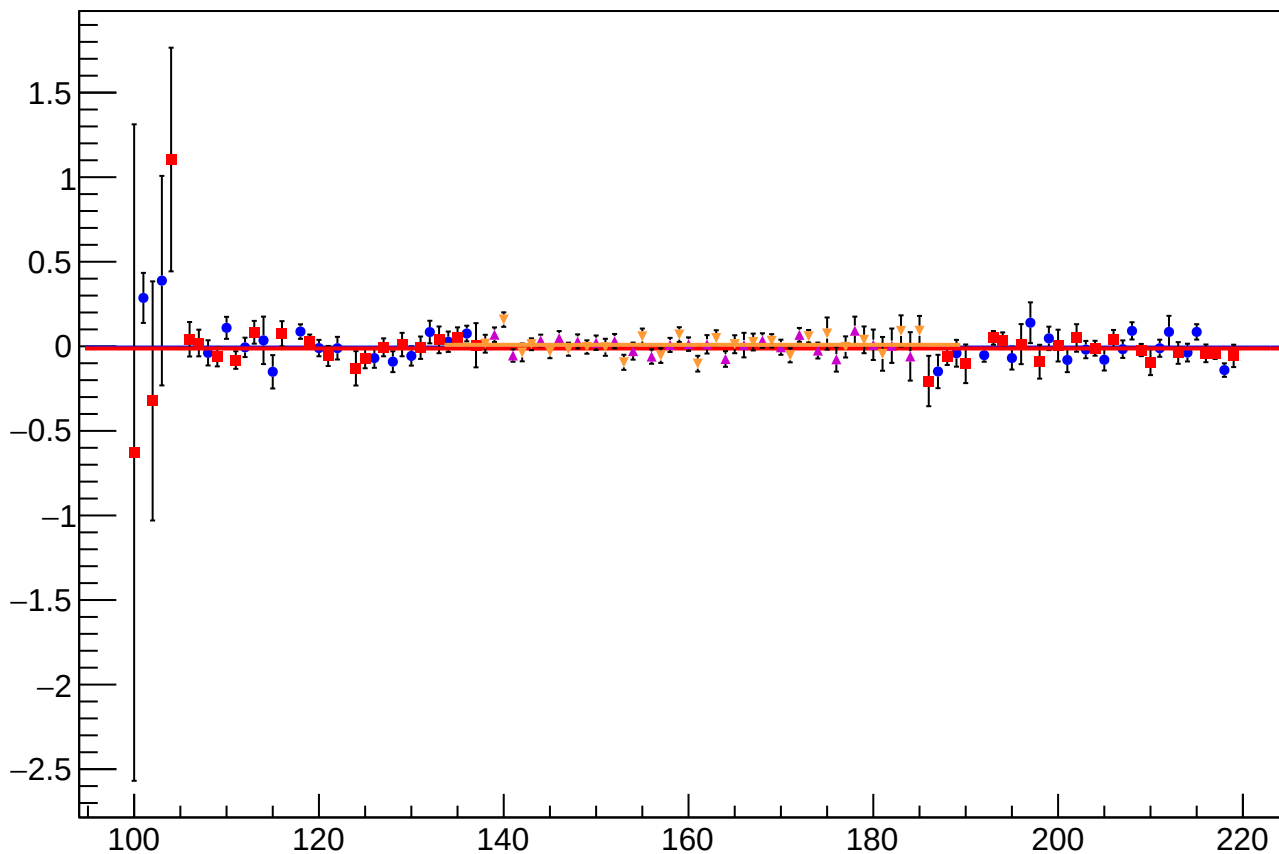
Left In: 0.002+/-0.000 χ^2/NDF : 4438139.5/22

+ sign 0.001+/-0.000 χ^2/NDF : 37769525.2/56

All: 0.001+/-0.000 χ^2/NDF : 70832528.5/115

- sign 0.001+/-0.000 χ^2/NDF : 32263216.9/58

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.011 χ^2/NDF : 53.1/31

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.013 ± 0.010 χ^2/NDF : 26.7/35

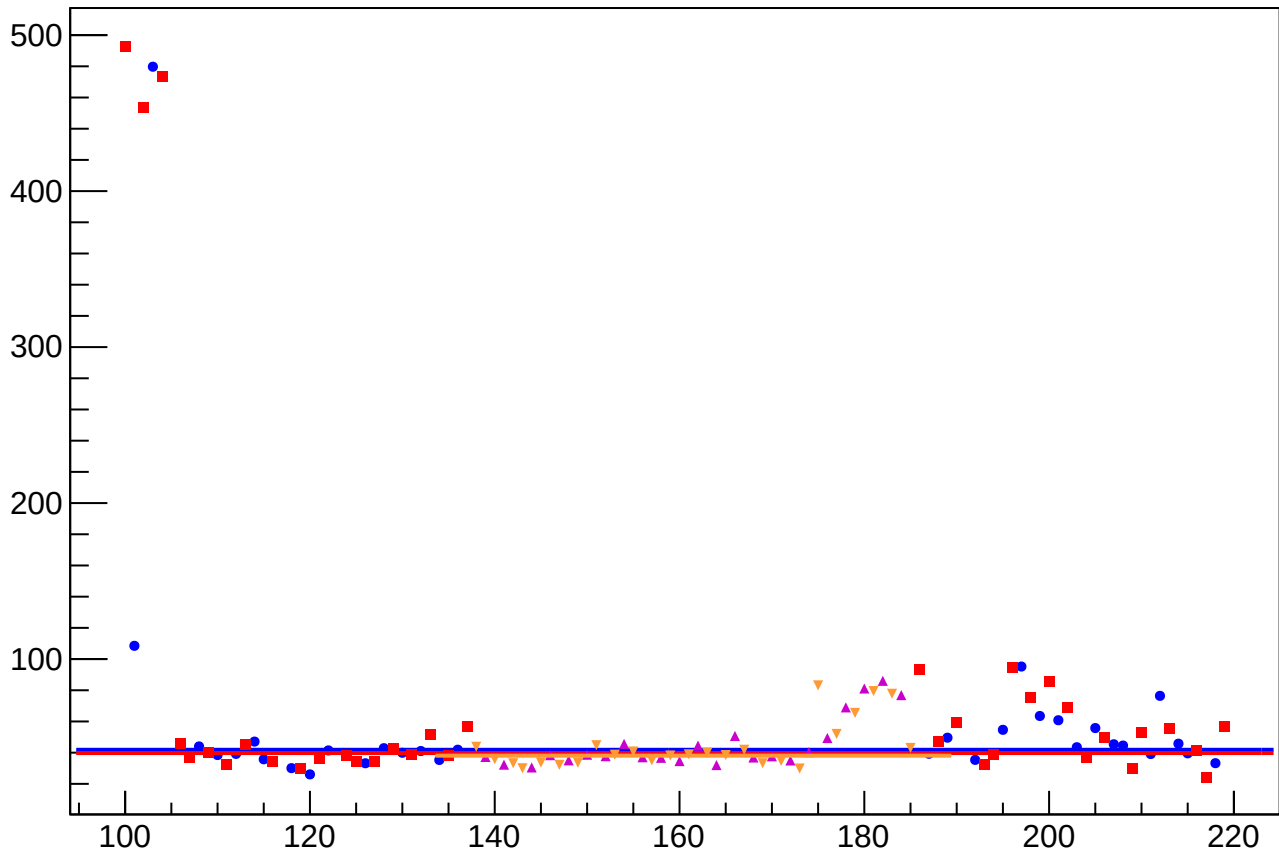
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.002 ± 0.007 χ^2/NDF : 92.9/56

All: -0.000 ± 0.005 χ^2/NDF : 140.8/115

- sign -0.002 ± 0.007 χ^2/NDF : 47.7/58

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.842 $\pm$ 0.007 χ^2 /NDF: 3222654.5/31

Left Out: 38.067 $\pm$ 0.007 χ^2 /NDF: 1967110.9/24

Right Out: 39.746 $\pm$ 0.007 χ^2 /NDF: 4851247.8/35

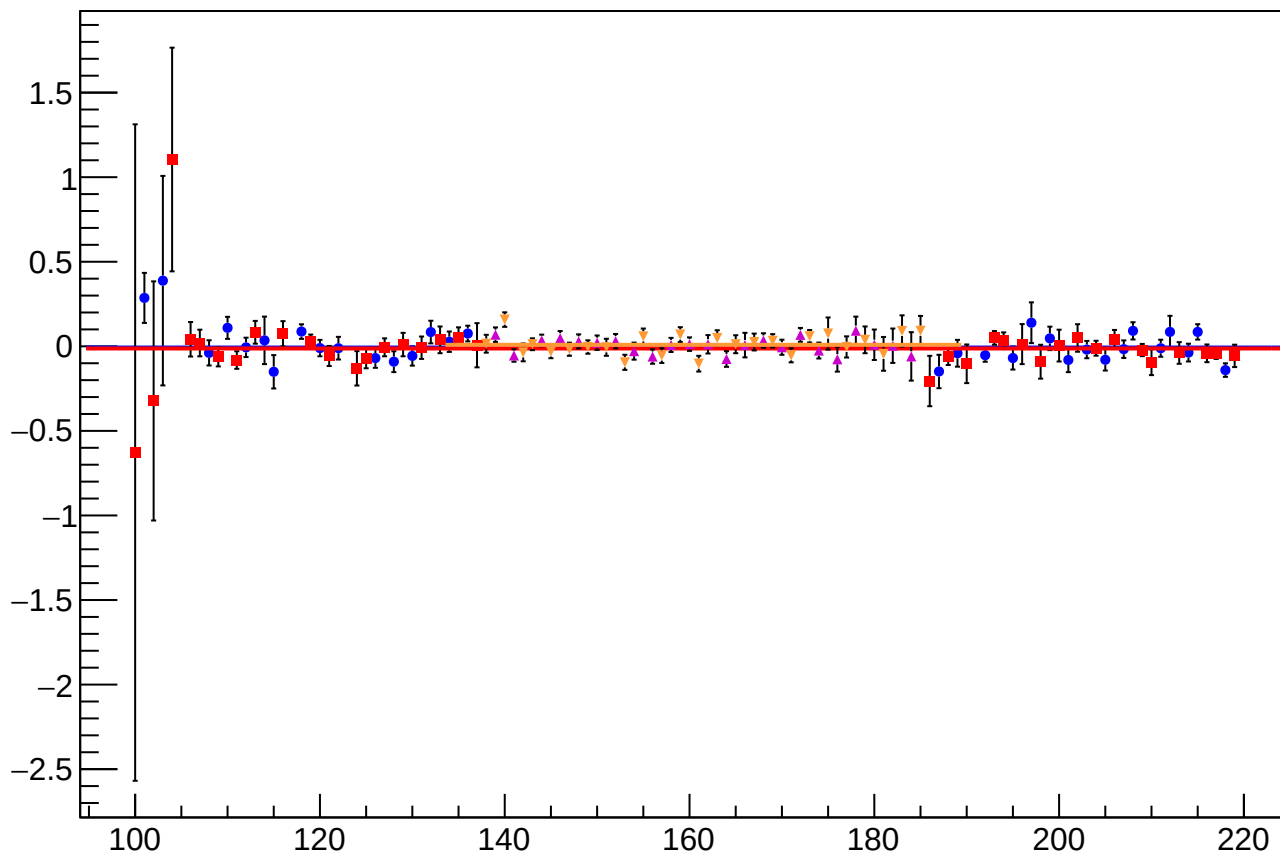
Left In: 38.630 $\pm$ 0.007 χ^2 /NDF: 1727699.0/22

+ sign 39.763 $\pm$ 0.005 χ^2 /NDF: 5329571.0/56

All: 39.467 $\pm$ 0.004 χ^2 /NDF: 11927732.8/115

- sign 39.168 $\pm$ 0.005 χ^2 /NDF: 6591161.3/58

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.011 χ^2/NDF : 53.1/31

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.013 ± 0.010 χ^2/NDF : 26.7/35

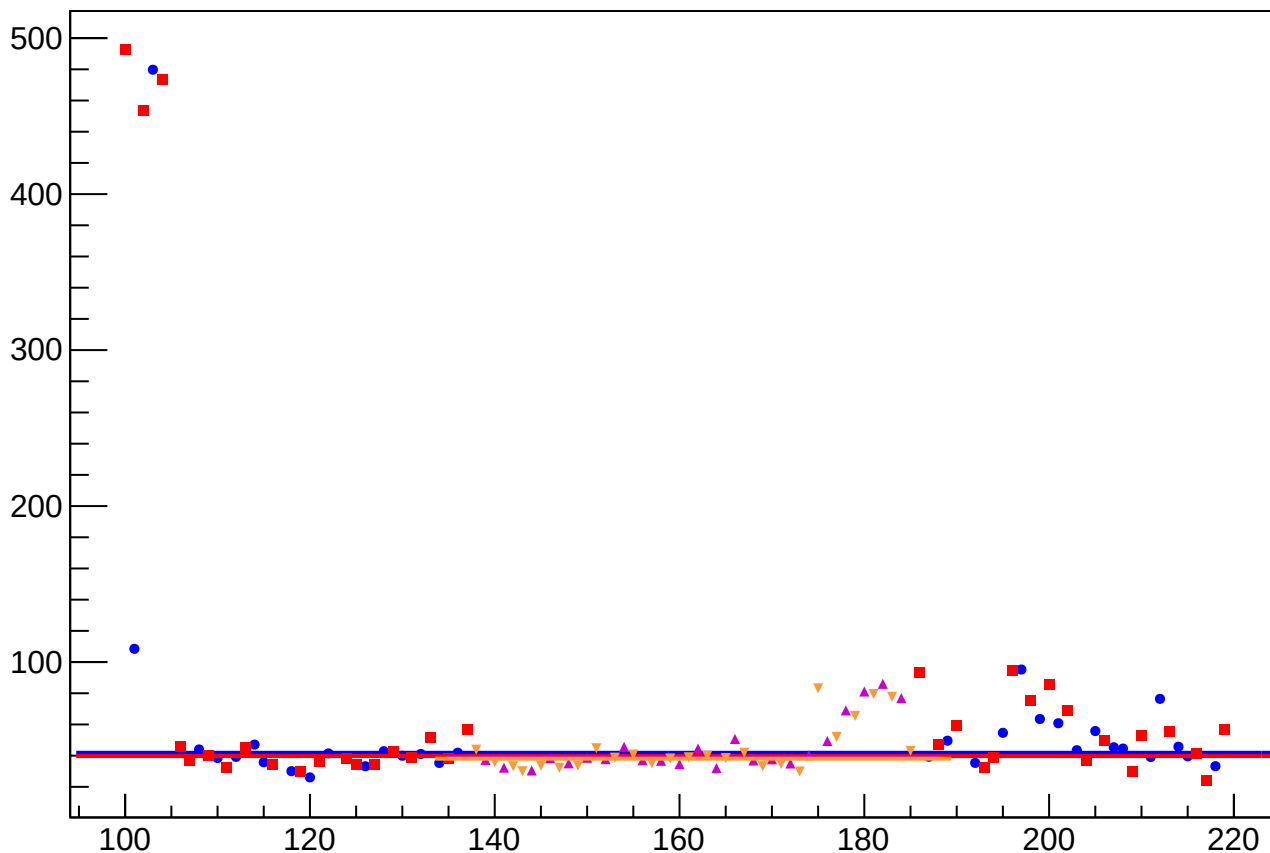
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.002 ± 0.007 χ^2/NDF : 92.9/56

All: -0.000 ± 0.005 χ^2/NDF : 140.8/115

- sign -0.002 ± 0.007 χ^2/NDF : 47.7/58

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.842 $\pm$ 0.007 χ^2 /NDF: 3222654.5/31

Left Out: 38.067 $\pm$ 0.007 χ^2 /NDF: 1967110.9/24

Right Out: 39.746 $\pm$ 0.007 χ^2 /NDF: 4851247.8/35

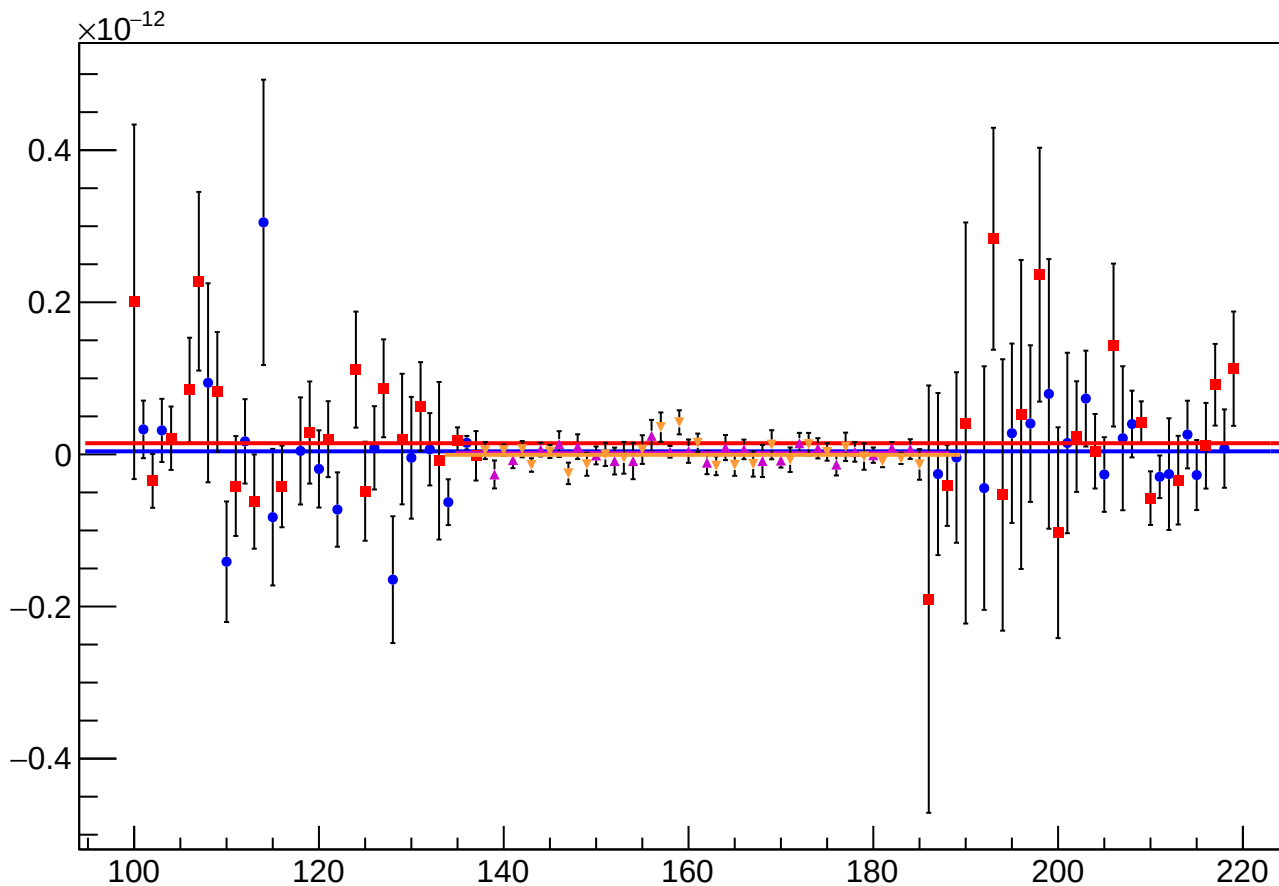
Left In: 38.630 $\pm$ 0.007 χ^2 /NDF: 1727699.0/22

+ sign 39.763 $\pm$ 0.005 χ^2 /NDF: 5329571.0/56

All: 39.467 $\pm$ 0.004 χ^2 /NDF: 11927732.8/115

- sign 39.168 $\pm$ 0.005 χ^2 /NDF: 6591161.3/58

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 26.8/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 26.9/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 34.9/35

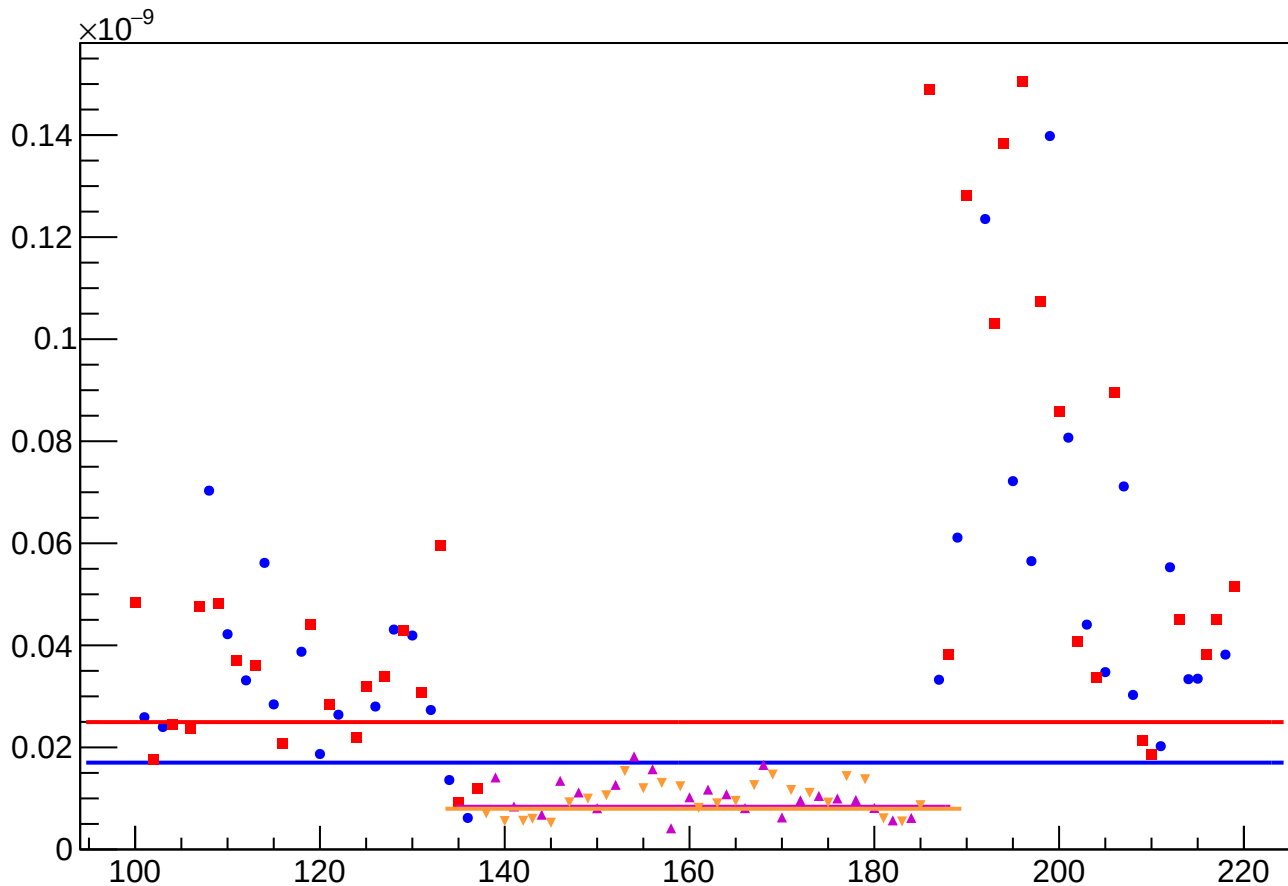
Left In: 0.000 ± 0.000 χ^2/NDF : 11.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 54.2/56

All: 0.000 ± 0.000 χ^2/NDF : 103.4/115

- sign 0.000 ± 0.000 χ^2/NDF : 48.6/58

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11154040.0/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8830571.2/35

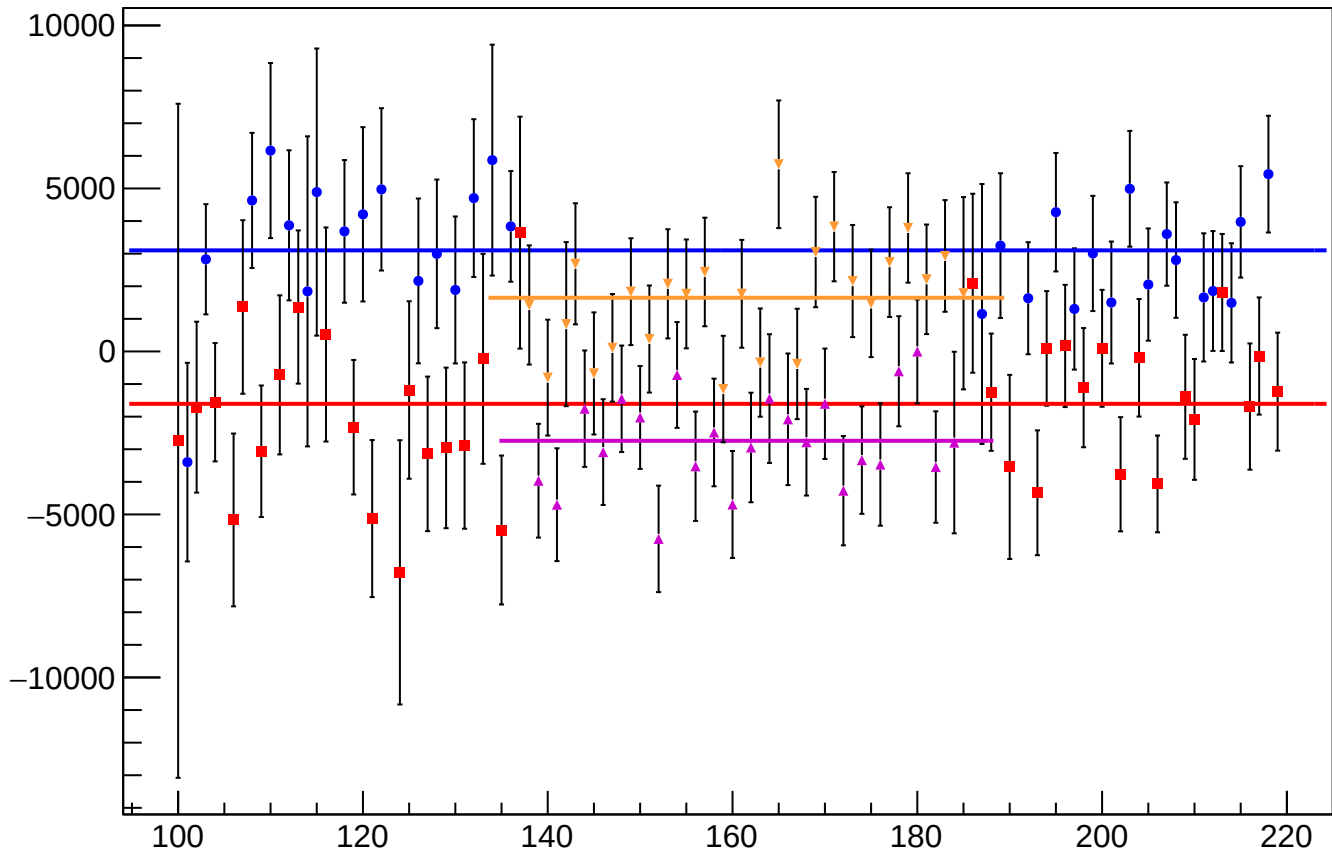
Left In: 0.000+/-0.000 χ^2/NDF : 2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 17180921.4/56

All: 0.000+/-0.000 χ^2/NDF : 35709531.7/115

- sign 0.000+/-0.000 χ^2/NDF : 18432092.1/58

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3100.803 $\pm$ 366.386 χ^2 /NDF: 17.7/31

Left Out: 1646.402 $\pm$ 349.758 χ^2 /NDF:21.0/24

Right Out: -1607.070 $\pm$ 358.038 χ^2 /NDF: 32.3/35

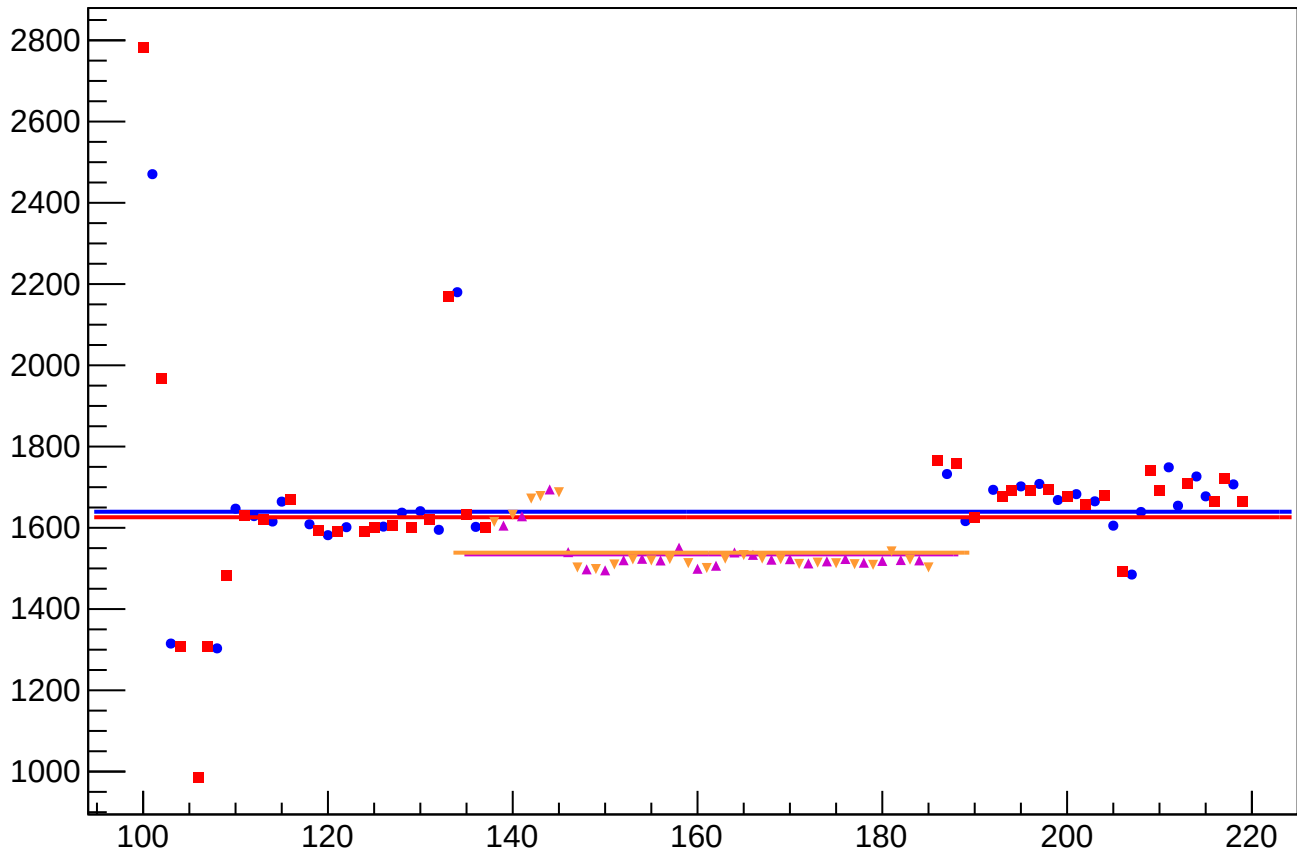
Left In: -2740.924 $\pm$ 358.458 χ^2 /NDF:16.4/22

+ sign 2339.852 $\pm$ 252.991 χ^2 /NDF: 46.9/56

All: 86.191 $\pm$ 179.008 χ^2 /NDF: 259.6/115

- sign -2173.332 $\pm$ 253.319 χ^2 /NDF: 53.7/58

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1639.573+/-0.259 χ^2/NDF : 370550.1/31

Left Out: 1538.810+/-0.247 χ^2/NDF : 47056.2/24

Right Out: 1626.014+/-0.252 χ^2/NDF : 482617.4/35

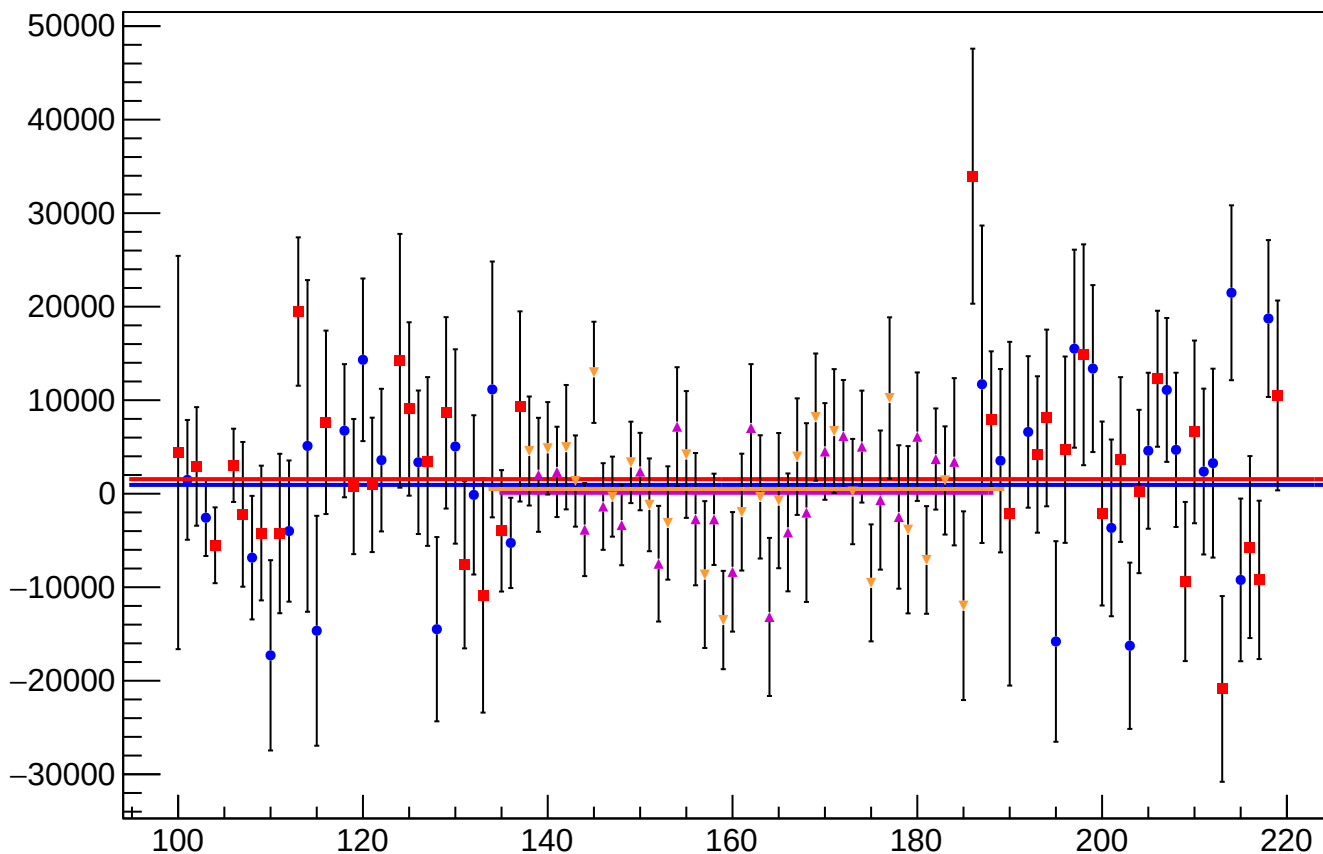
Left In: 1534.615+/-0.253 χ^2/NDF : 31120.6/22

+ sign 1586.853+/-0.179 χ^2/NDF : 496752.3/56

All: 1583.749+/-0.126 χ^2/NDF : 1076591.8/11

- sign 1580.656+/-0.179 χ^2/NDF : 579238.3/58

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: 940.353+/-1438.526 χ^2/NDF : 39.6/31

Left Out: 503.846+/-1187.304 χ^2/NDF : 26.8/24

Right Out: 1561.006+/-1345.001 χ^2/NDF : 36.3/35

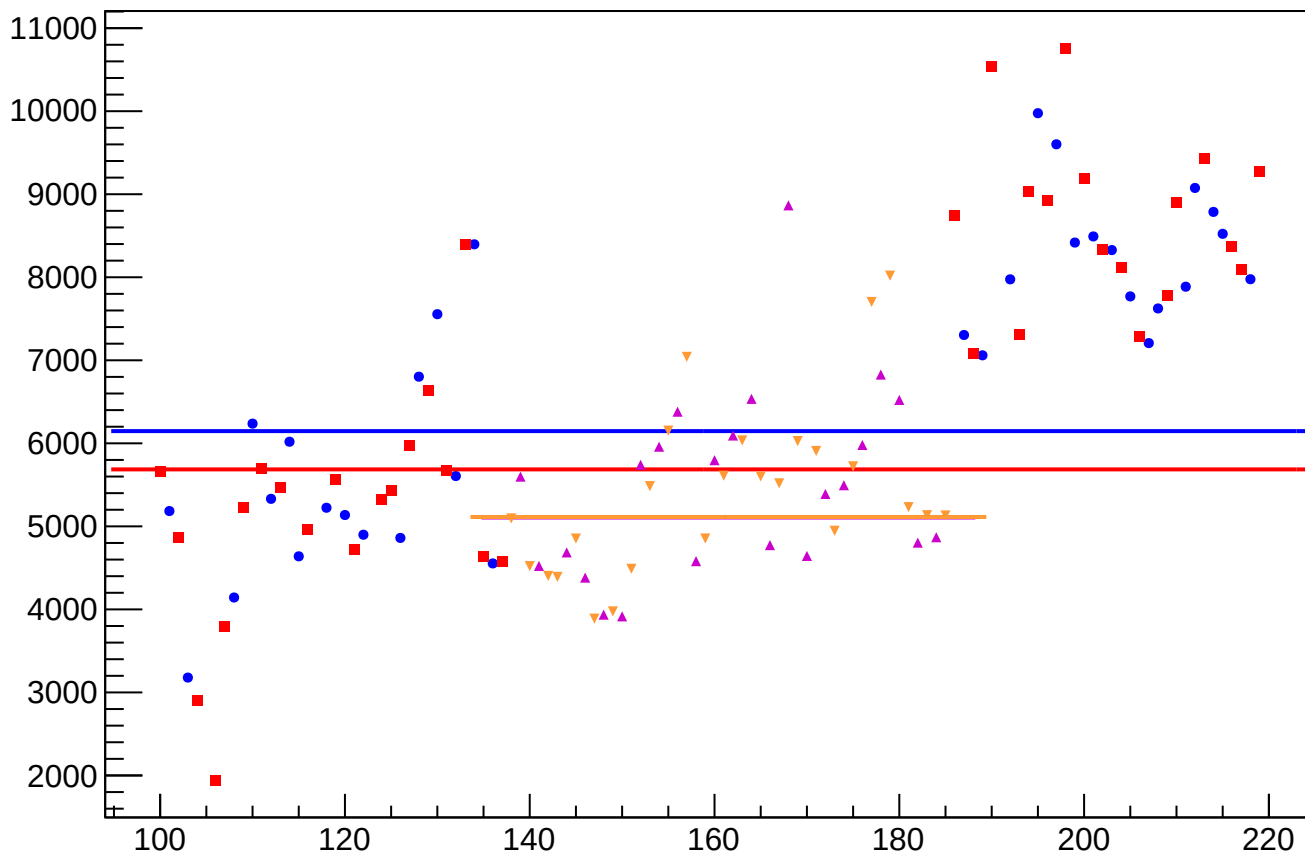
Left In: 97.910+/-1217.585 χ^2/NDF : 14.9/22

+ sign 680.716+/-915.692 χ^2/NDF : 66.5/56

All: 719.349+/-642.834 χ^2/NDF : 118.3/115

- sign 756.890+/-902.656 χ^2/NDF : 51.8/58

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 6147.076+/-1.017 χ^2/NDF : 3626685.7/31

Left Out: 5112.954+/-0.840 χ^2/NDF : 1159010.4/24

Right Out: 5686.033+/-0.951 χ^2/NDF : 6266422.2/35

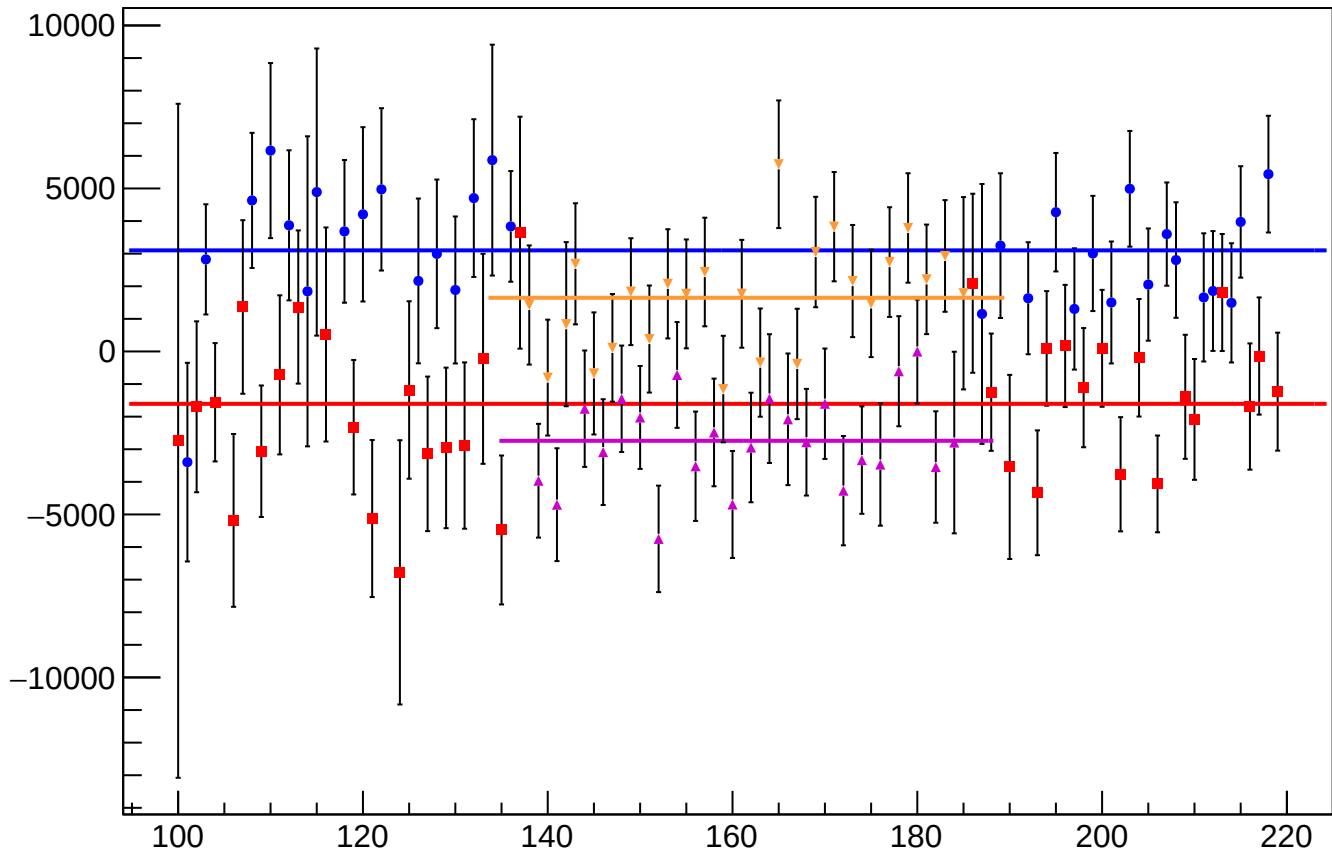
Left In: 5106.386+/-0.861 χ^2/NDF : 1251622.3/22

+ sign 5531.974+/-0.647 χ^2/NDF : 5400467.0/56

All: 5448.538+/-0.455 χ^2/NDF : 13155406.8/100

- sign 5367.460+/-0.638 χ^2/NDF : 7722198.9/58

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3100.703 $\pm$ 366.386 χ^2 /NDF: 17.7/31

Left Out: 1646.294 $\pm$ 349.758 χ^2 /NDF:21.0/24

Right Out: -1607.117 $\pm$ 358.038 χ^2 /NDF: 32.3/35

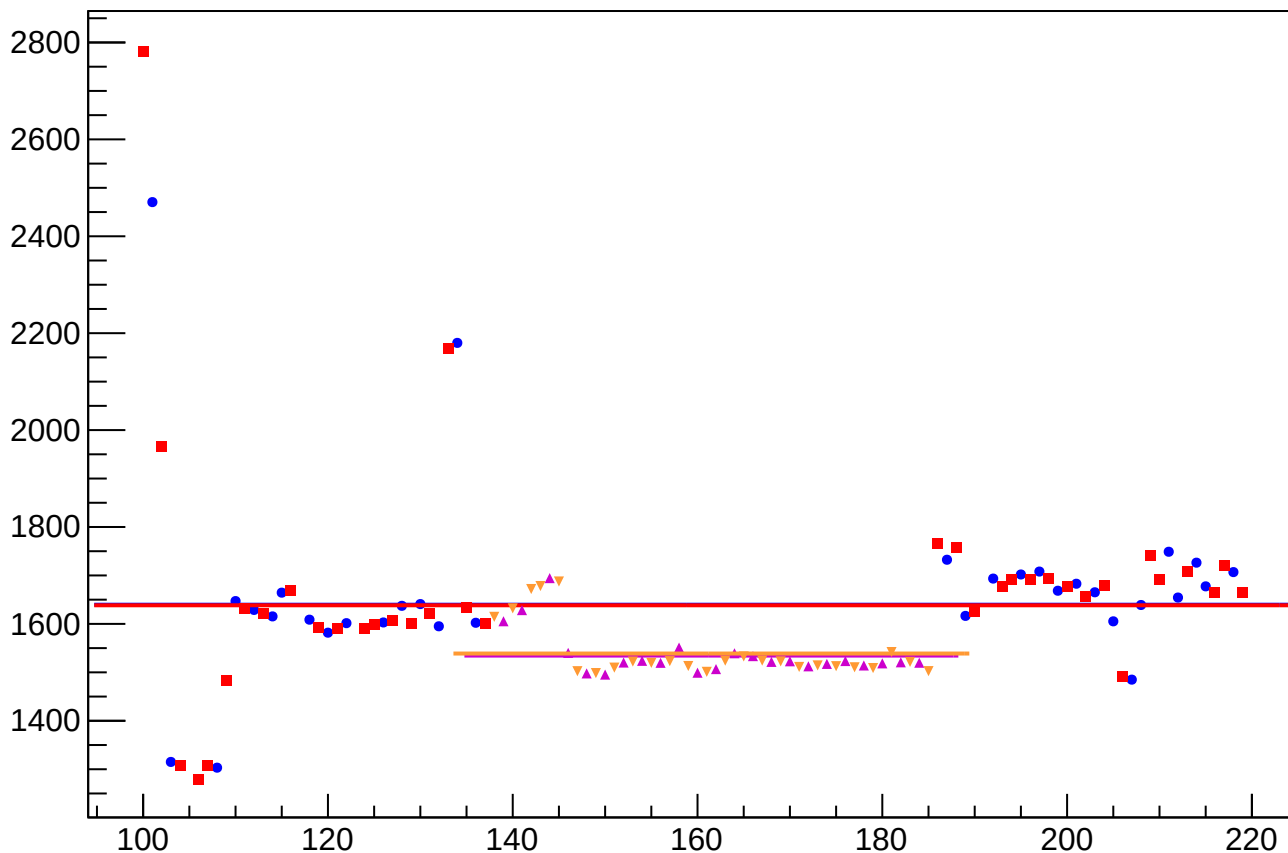
Left In: -2740.826 $\pm$ 358.458 χ^2 /NDF:16.4/22

+ sign 2339.748 $\pm$ 252.991 χ^2 /NDF: 46.9/56

All: 86.153 $\pm$ 179.008 χ^2 /NDF: 259.6/115

- sign -2173.308 $\pm$ 253.320 χ^2 /NDF: 53.8/58

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1639.573+/-0.259 χ^2/NDF : 370549.1/31

Left Out: 1538.810+/-0.247 χ^2/NDF : 47056.2/24

Right Out: 1638.404+/-0.253 χ^2/NDF : 322580.1/35

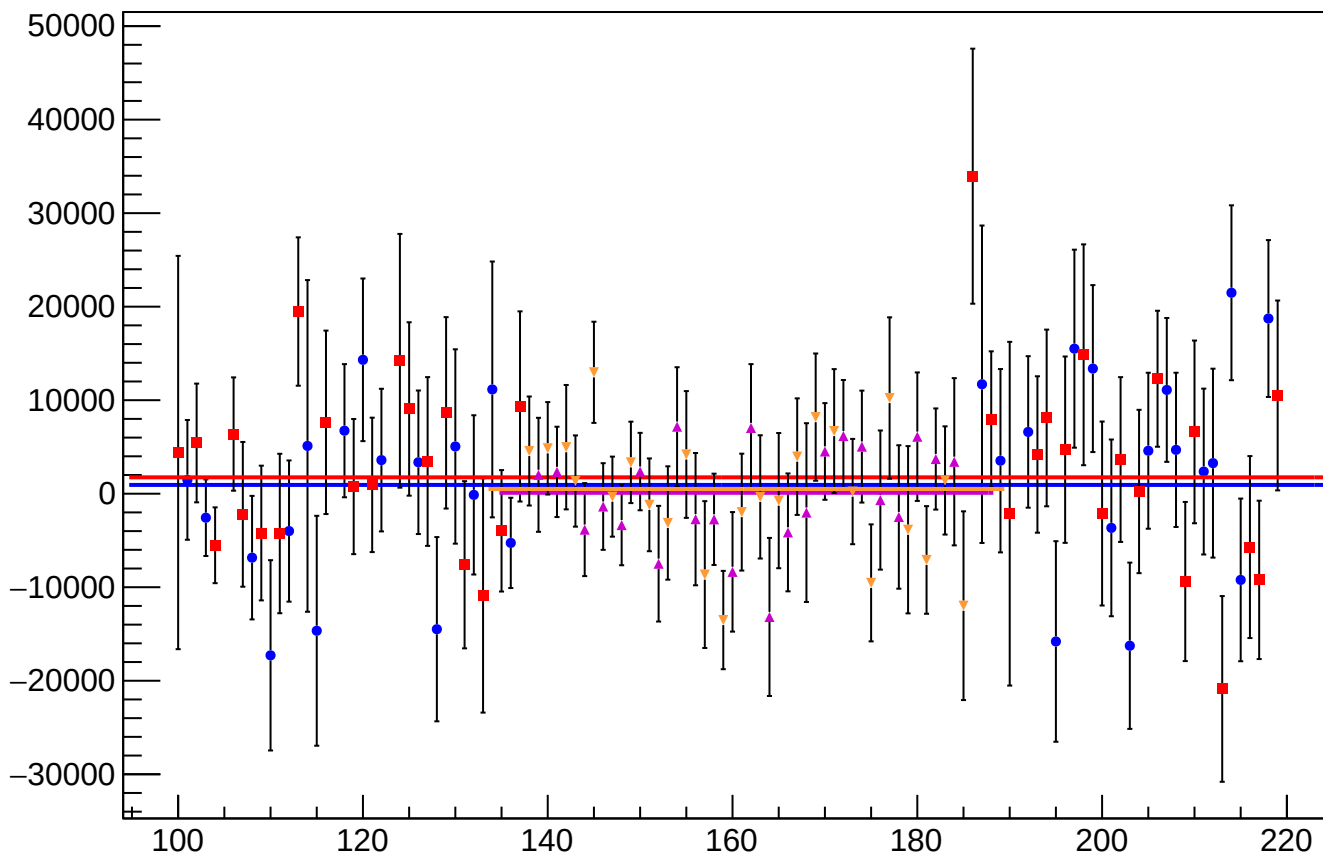
Left In: 1534.615+/-0.253 χ^2/NDF : 31120.6/22

+ sign 1586.853+/-0.179 χ^2/NDF : 496751.5/56

All: 1586.750+/-0.127 χ^2/NDF : 934509.5/115

- sign 1586.646+/-0.179 χ^2/NDF : 437757.4/58

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: 940.318 $\pm$ 1438.544 χ^2 /NDF: 39.6/31

Left Out: 503.849 $\pm$ 1187.302 χ^2 /NDF: 26.8/24

Right Out: 1750.332 $\pm$ 1393.773 χ^2 /NDF: 37.1/35

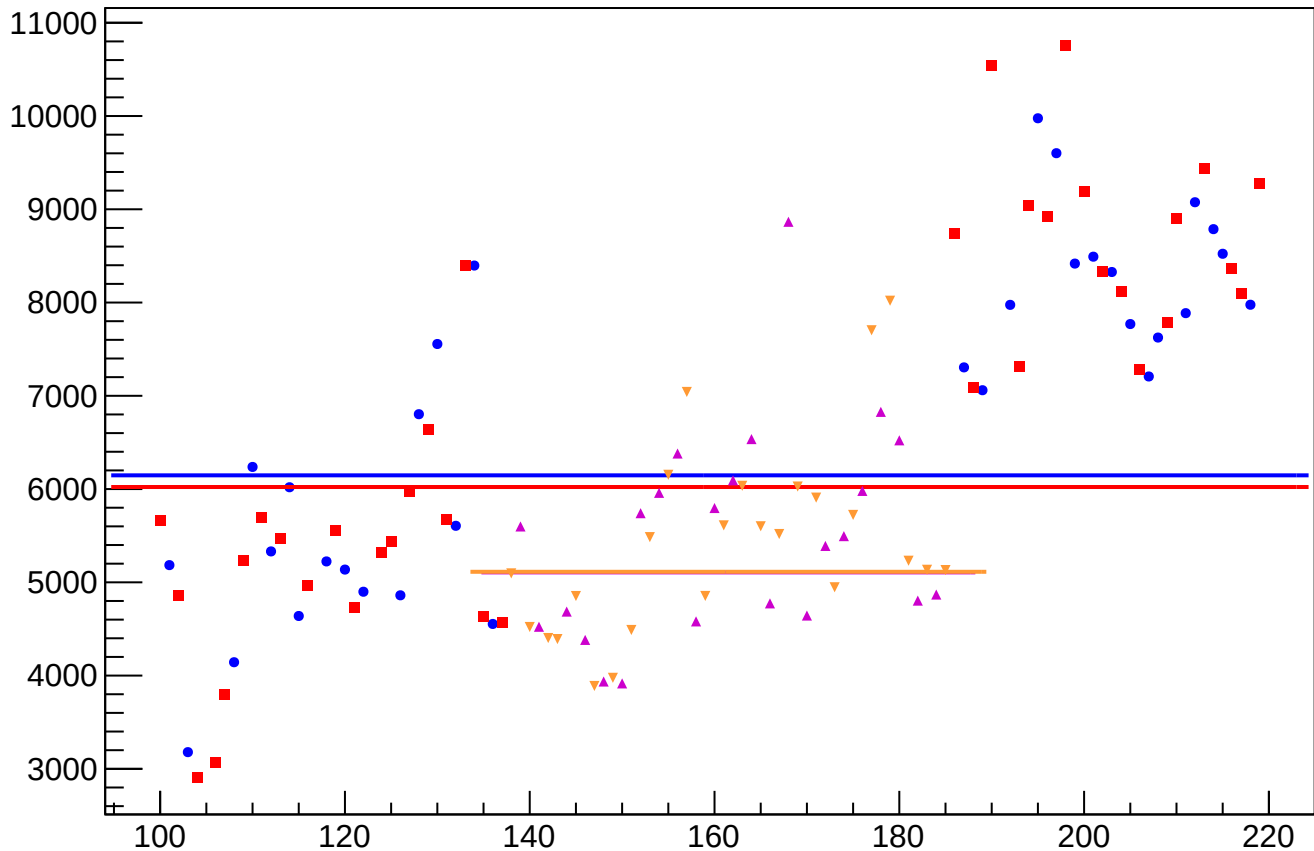
Left In: 97.930 $\pm$ 1217.585 χ^2 /NDF: 14.9/22

+ sign 680.701 $\pm$ 915.696 χ^2 /NDF: 66.5/56

All: 746.833 $\pm$ 647.944 χ^2 /NDF: 119.3/115

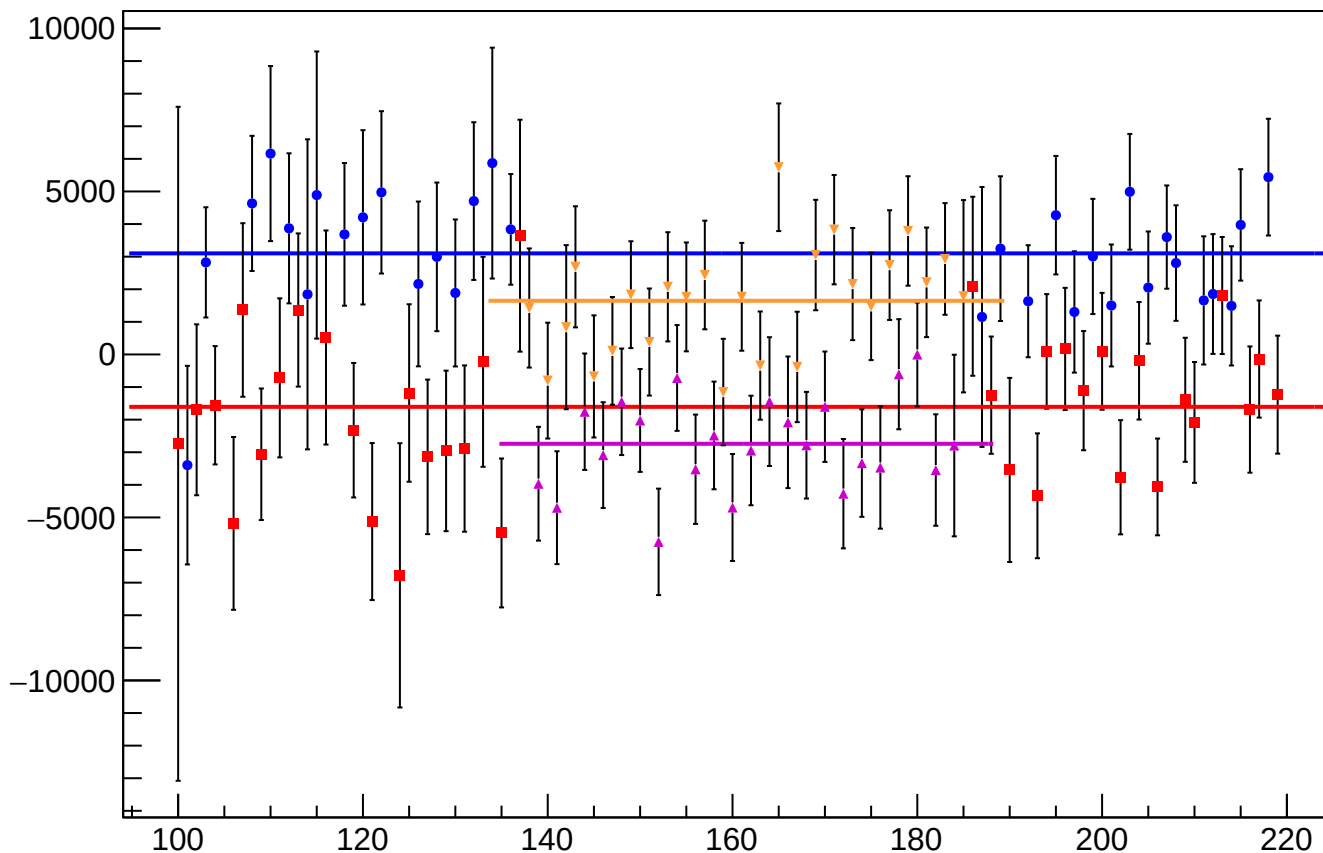
- sign 813.149 $\pm$ 916.967 χ^2 /NDF: 52.8/58

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 6147.191+/-1.017	χ^2/NDF : 3626231.6/31	+ sign 5532.010+/-0.647	χ^2/NDF : 5400162.5/56
Left Out: 5112.947+/-0.840	χ^2/NDF : 1159023.2/24		
Right Out: 6021.975+/-0.986	χ^2/NDF : 4693392.2/35	All: 5517.367+/-0.458	χ^2/NDF : 11835707.4/1
Left In: 5106.384+/-0.861	χ^2/NDF : 1251622.9/22	- sign 5502.684+/-0.648	χ^2/NDF : 6434520.7/58

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3100.703 $\pm$ 366.386 χ^2 /NDF: 17.7/31

Left Out: 1646.294 $\pm$ 349.758 χ^2 /NDF:21.0/24

Right Out: -1607.117 $\pm$ 358.038 χ^2 /NDF: 32.3/35

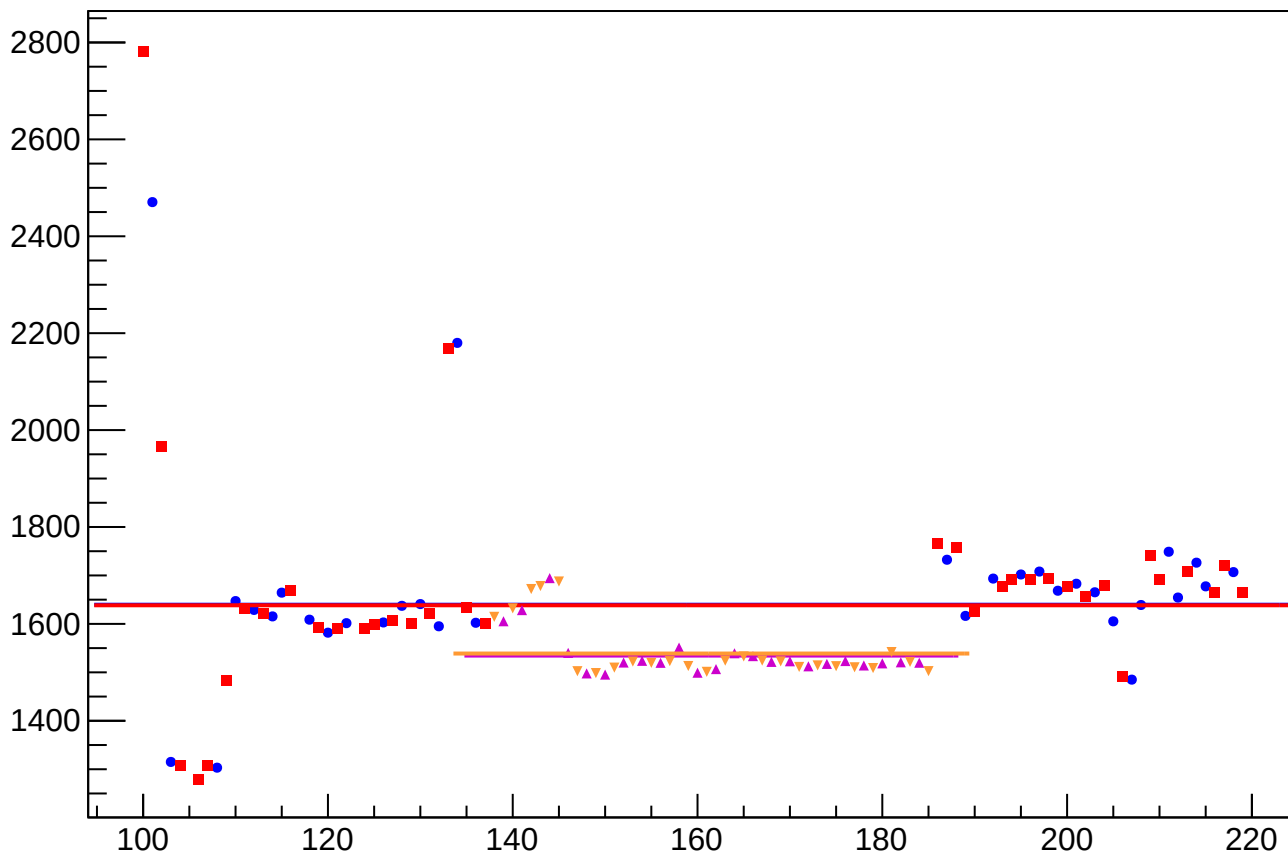
Left In: -2740.826 $\pm$ 358.458 χ^2 /NDF:16.4/22

+ sign 2339.748 $\pm$ 252.991 χ^2 /NDF: 46.9/56

All: 86.153 $\pm$ 179.008 χ^2 /NDF: 259.6/115

- sign -2173.308 $\pm$ 253.320 χ^2 /NDF: 53.8/58

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1639.573+/-0.259 χ^2/NDF : 370549.1/31

Left Out: 1538.810+/-0.247 χ^2/NDF : 47056.2/24

Right Out: 1638.404+/-0.253 χ^2/NDF : 322580.1/35

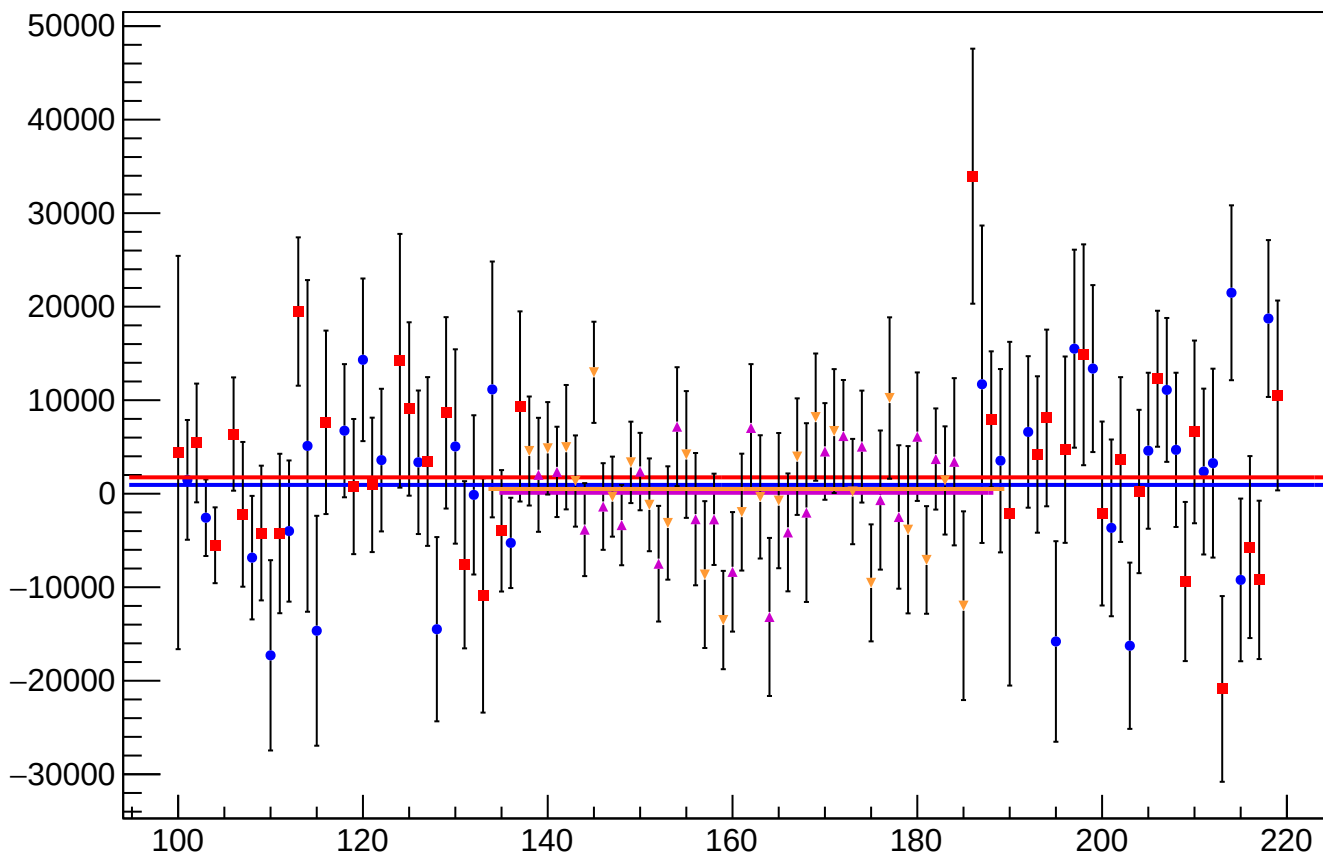
Left In: 1534.615+/-0.253 χ^2/NDF : 31120.6/22

+ sign 1586.853+/-0.179 χ^2/NDF : 496751.5/56

All: 1586.750+/-0.127 χ^2/NDF : 934509.5/115

- sign 1586.646+/-0.179 χ^2/NDF : 437757.4/58

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: 940.318 ± 1438.544 χ^2/NDF : 39.6/31

Left Out: 503.849 ± 1187.302 χ^2/NDF : 26.8/24

Right Out: 1750.332 ± 1393.773 χ^2/NDF : 37.1/35

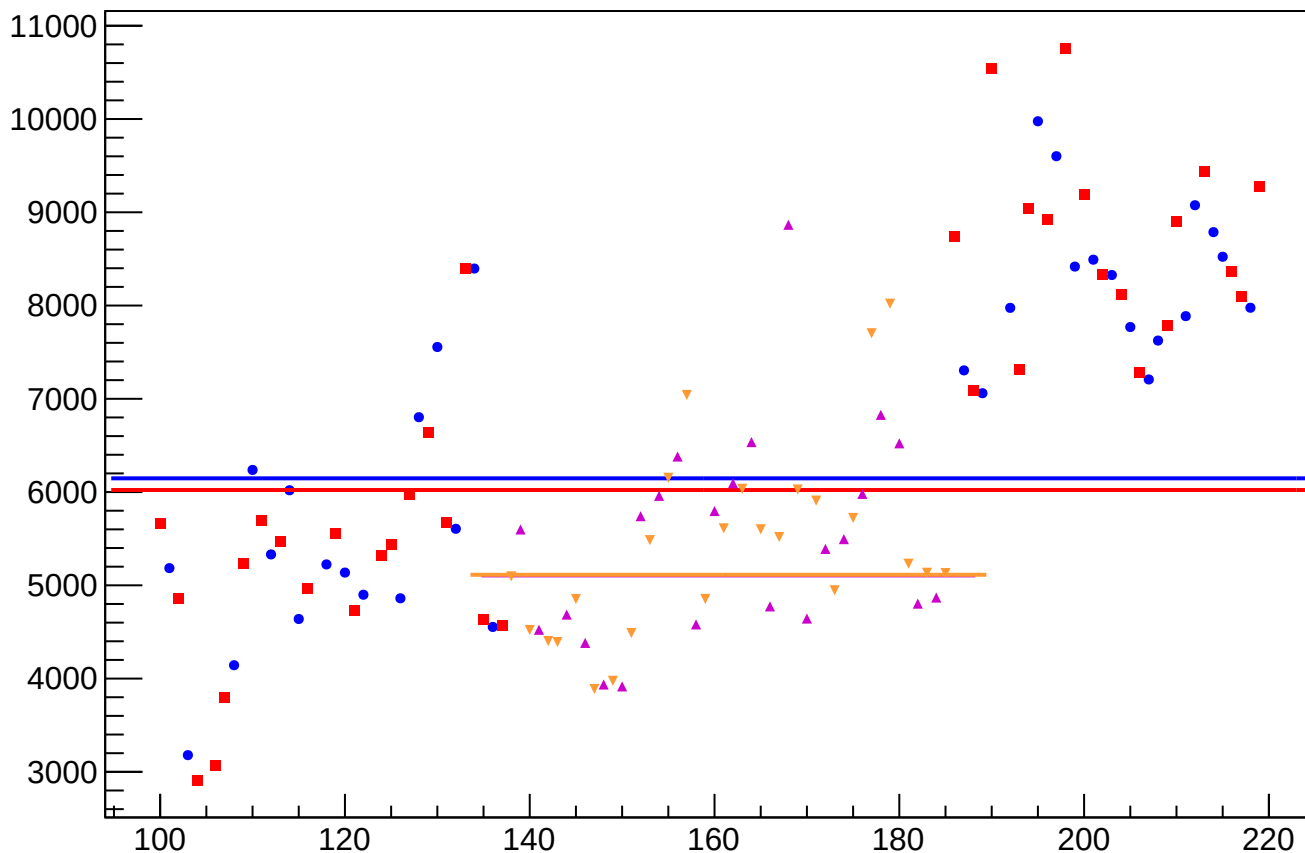
Left In: 97.930 ± 1217.585 χ^2/NDF : 14.9/22

+ sign 680.701 ± 915.696 χ^2/NDF : 66.5/56

All: 746.833 ± 647.944 χ^2/NDF : 119.3/115

- sign 813.149 ± 916.967 χ^2/NDF : 52.8/58

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 6147.191+/-1.017 χ^2/NDF : 3626231.6/31

Left Out: 5112.947+/-0.840 χ^2/NDF : 1159023.2/24

Right Out: 6021.975+/-0.986 χ^2/NDF : 4693392.2/35

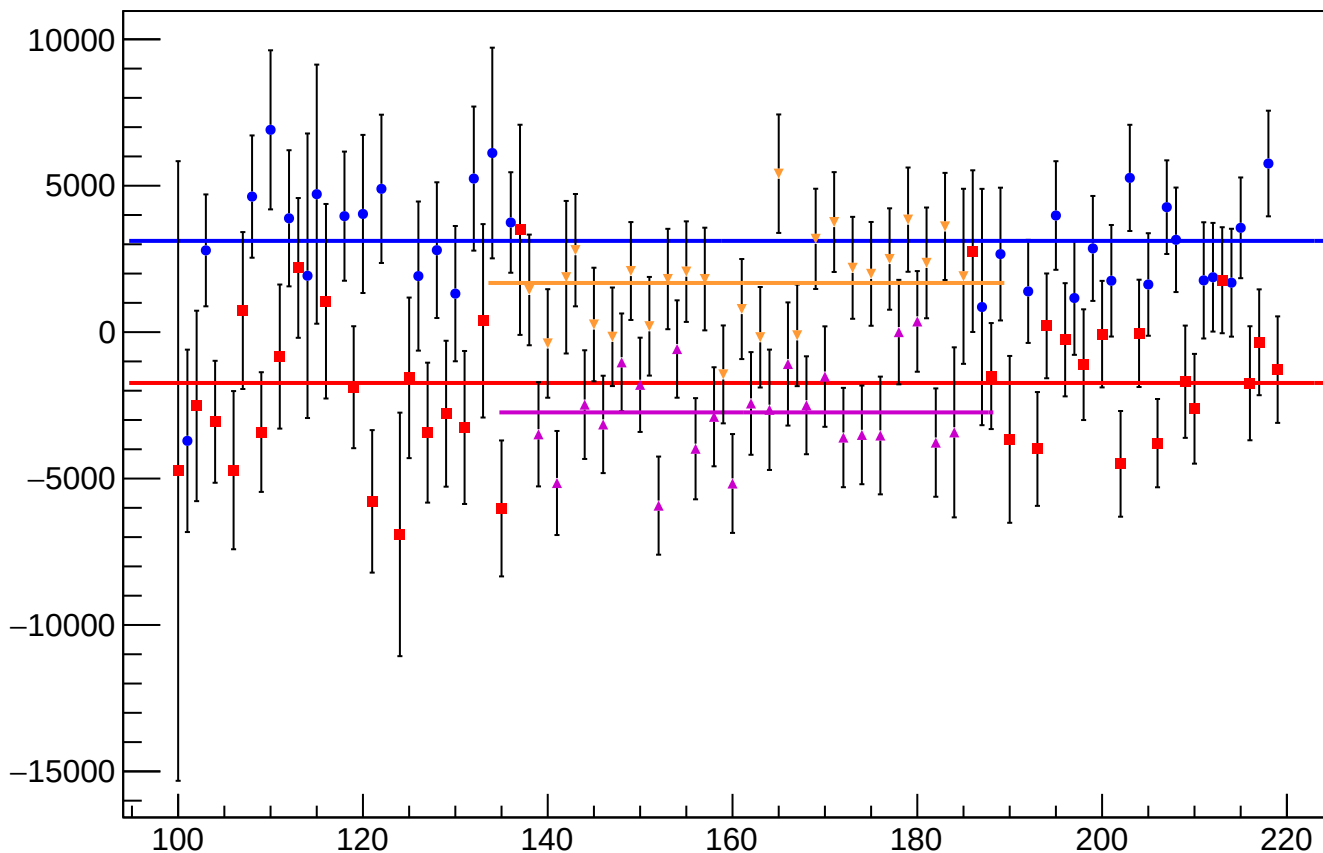
Left In: 5106.384+/-0.861 χ^2/NDF : 1251622.9/22

+ sign 5532.010+/-0.647 χ^2/NDF : 5400162.5/56

All: 5517.367+/-0.458 χ^2/NDF : 11835707.4/100

- sign 5502.684+/-0.648 χ^2/NDF : 6434520.7/58

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3115.985 $\pm$ 373.428 χ^2 /NDF: 20.2/31

Left Out: 1679.163 $\pm$ 362.391 χ^2 /NDF:19.0/24

Right Out: -1735.760 $\pm$ 365.751 χ^2 /NDF: 35.0/35

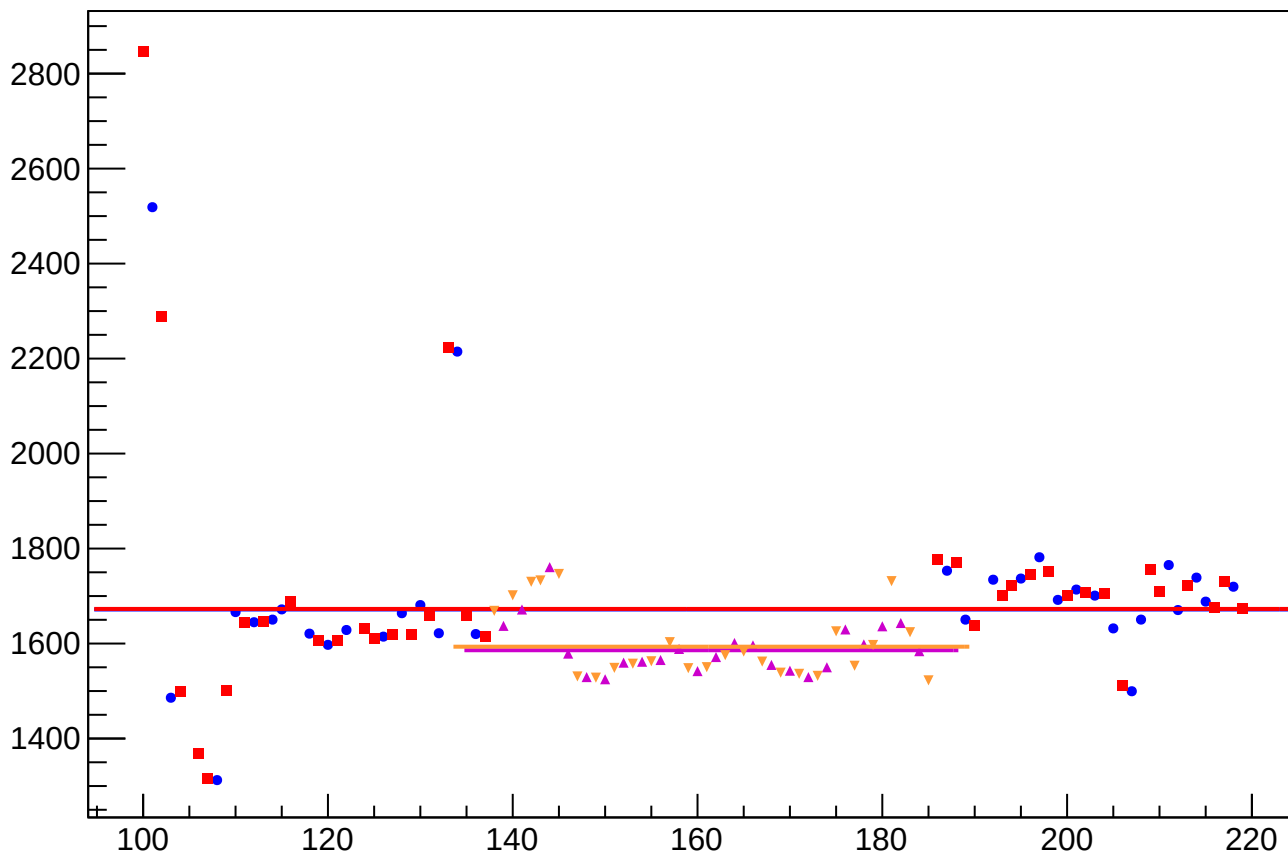
Left In: -2740.666 $\pm$ 370.604 χ^2 /NDF:19.2/22

+ sign 2376.029 $\pm$ 260.063 χ^2 /NDF: 46.8/56

All: 74.525 $\pm$ 183.985 χ^2 /NDF: 261.5/115

- sign -2231.590 $\pm$ 260.324 χ^2 /NDF: 57.9/58

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1671.741 $\pm$ 0.264 χ^2 /NDF: 326160.5/31

Left Out: 1593.388 $\pm$ 0.256 χ^2 /NDF: 71876.4/24

Right Out: 1672.899 $\pm$ 0.259 χ^2 /NDF: 298989.7/35

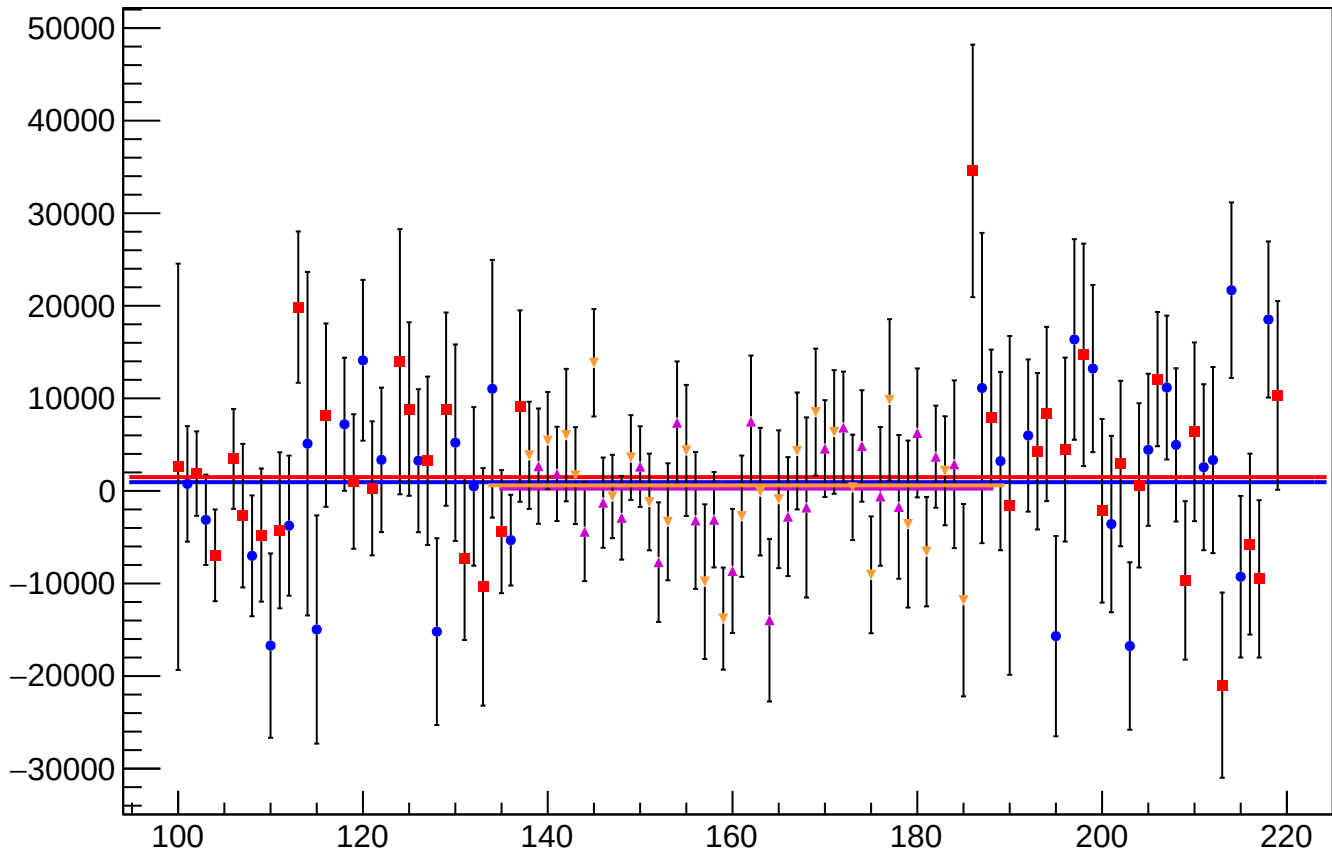
Left In: 1585.918 $\pm$ 0.262 χ^2 /NDF: 41915.3/22

+ sign 1631.389 $\pm$ 0.184 χ^2 /NDF: 443382.1/56

All: 1630.693 $\pm$ 0.130 χ^2 /NDF: 840143.8/115

- sign 1629.996 $\pm$ 0.184 χ^2 /NDF: 396733.0/58

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: 945.511+/-1472.338 χ^2/NDF : 39.4/31

Left Out: 601.820+/-1233.559 χ^2/NDF : 26.0/24

Right Out: 1491.182+/-1387.893 χ^2/NDF : 36.1/35

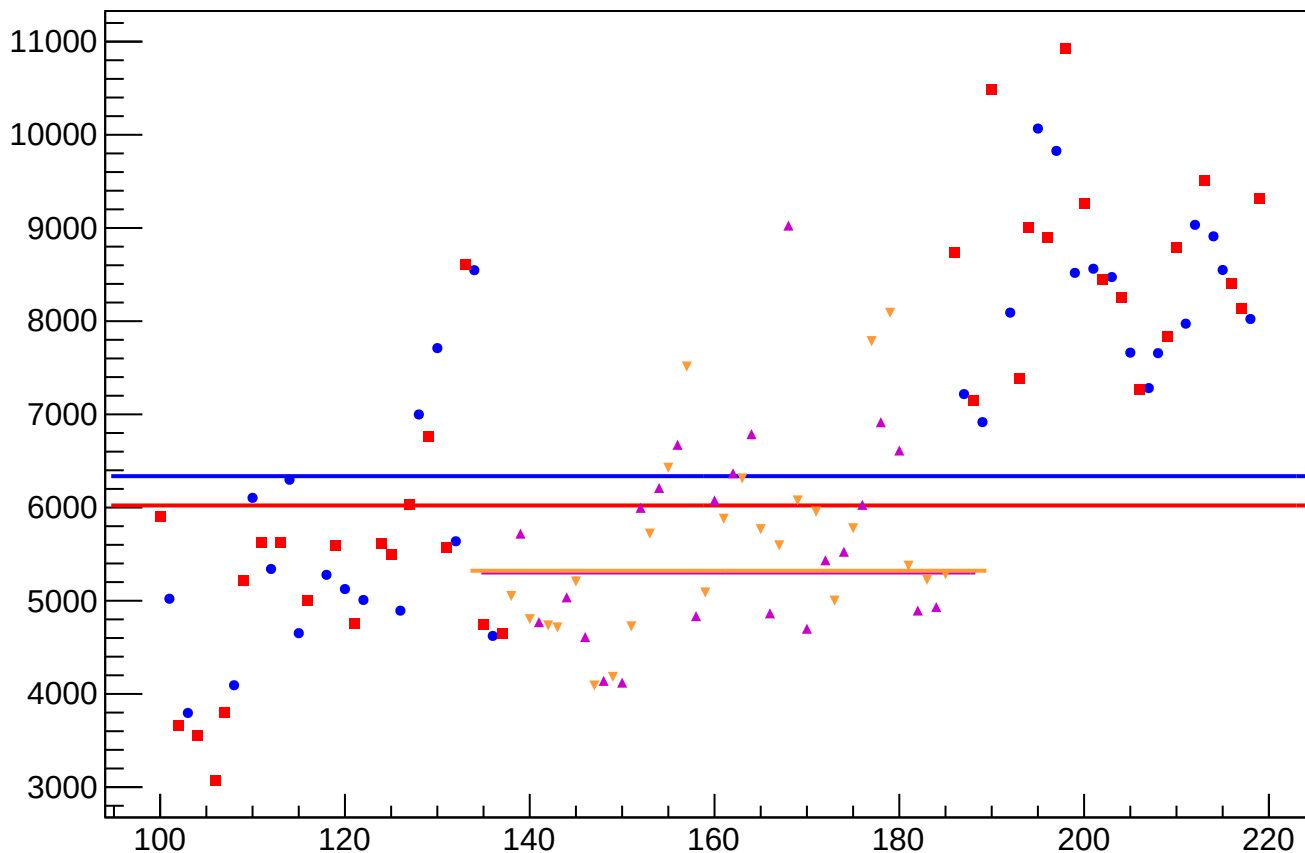
Left In: 255.905+/-1262.607 χ^2/NDF : 14.6/22

+ sign 743.571+/-945.555 χ^2/NDF : 65.4/56

All: 779.870+/-664.470 χ^2/NDF : 116.6/115

- sign 815.284+/-933.957 χ^2/NDF : 51.2/58

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 6336.913+/-1.041 χ^2/NDF : 3085643.7/31

Left Out: 5321.956+/-0.872 χ^2/NDF : 1037009.2/24

Right Out: 6022.568+/-0.981 χ^2/NDF : 4622871.7/35

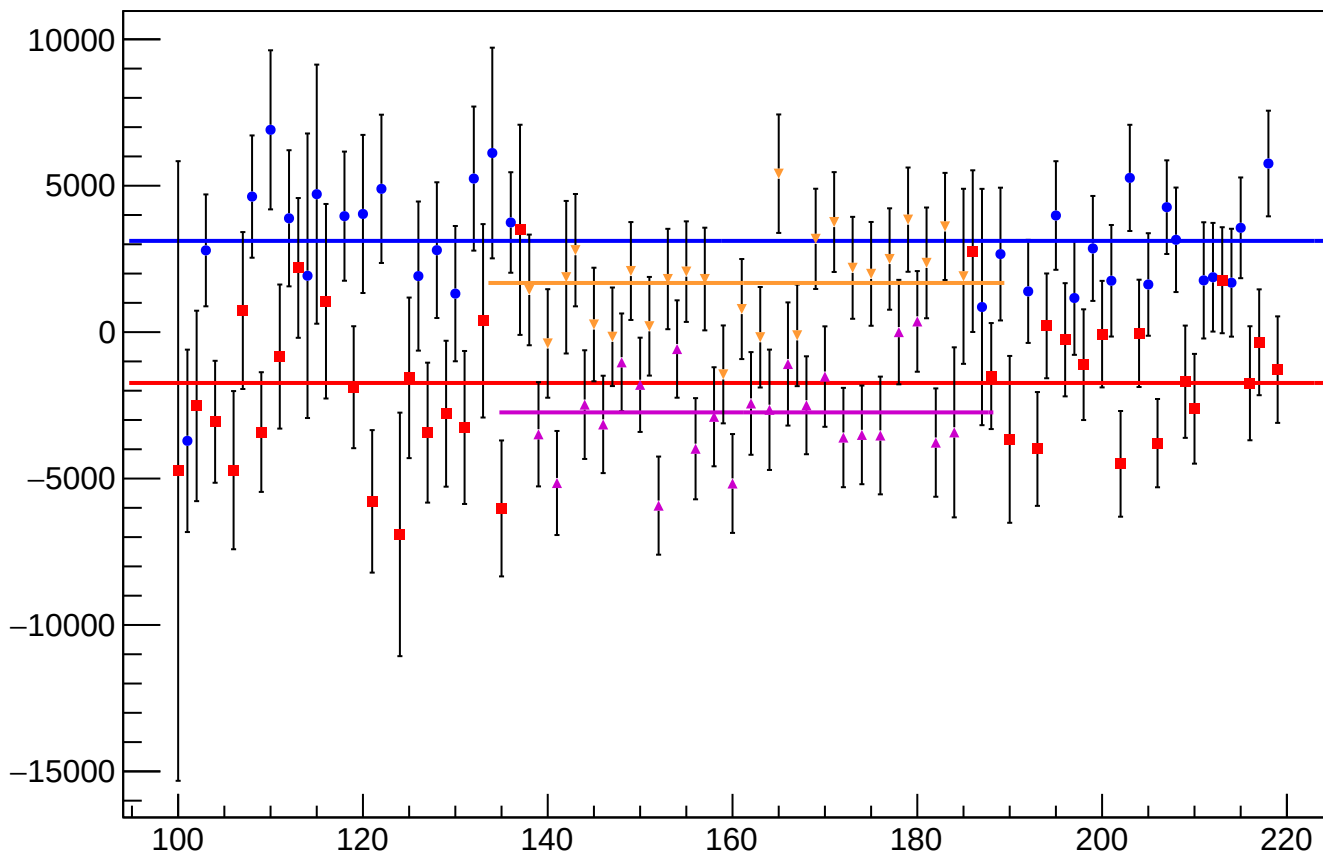
Left In: 5302.849+/-0.893 χ^2/NDF : 1152376.1/22

+ sign 5740.563+/-0.669 χ^2/NDF : 4681077.3/56

All: 5683.974+/-0.470 χ^2/NDF : 10764757.4/100

- sign 5628.764+/-0.660 χ^2/NDF : 6069527.9/58

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3115.980 $\pm$ 373.428 χ^2 /NDF: 20.2/31

Left Out: 1679.156 $\pm$ 362.392 χ^2 /NDF:19.0/24

Right Out: -1735.764 $\pm$ 365.751 χ^2 /NDF: 35.0/35

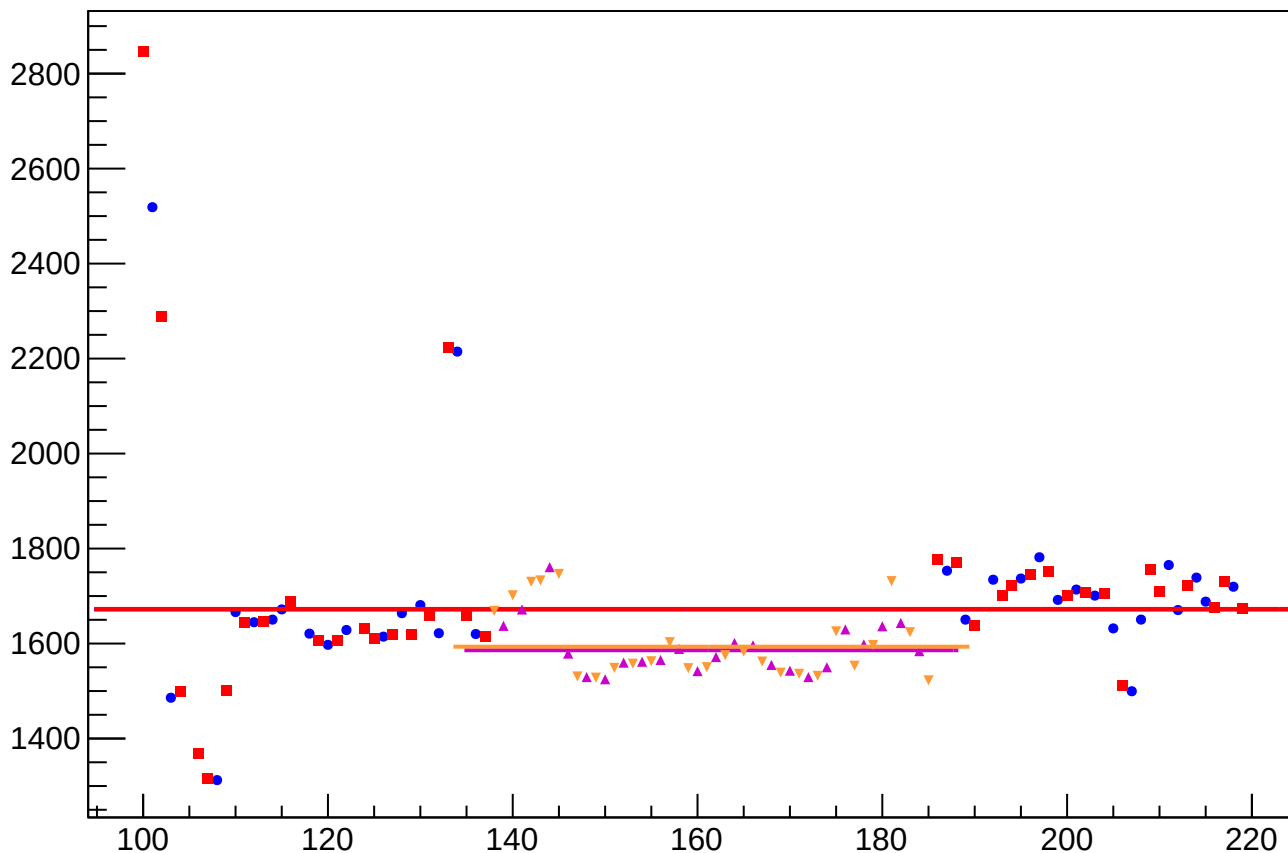
Left In: -2740.666 $\pm$ 370.605 χ^2 /NDF:19.2/22

+ sign 2376.023 $\pm$ 260.064 χ^2 /NDF: 46.8/56

All: 74.522 $\pm$ 183.985 χ^2 /NDF: 261.5/115

- sign -2231.592 $\pm$ 260.324 χ^2 /NDF: 57.9/58

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1671.740 $\pm$ 0.264 χ^2 /NDF: 326160.8/31

Left Out: 1593.388 $\pm$ 0.256 χ^2 /NDF: 71876.3/24

Right Out: 1672.899 $\pm$ 0.259 χ^2 /NDF: 298989.7/35

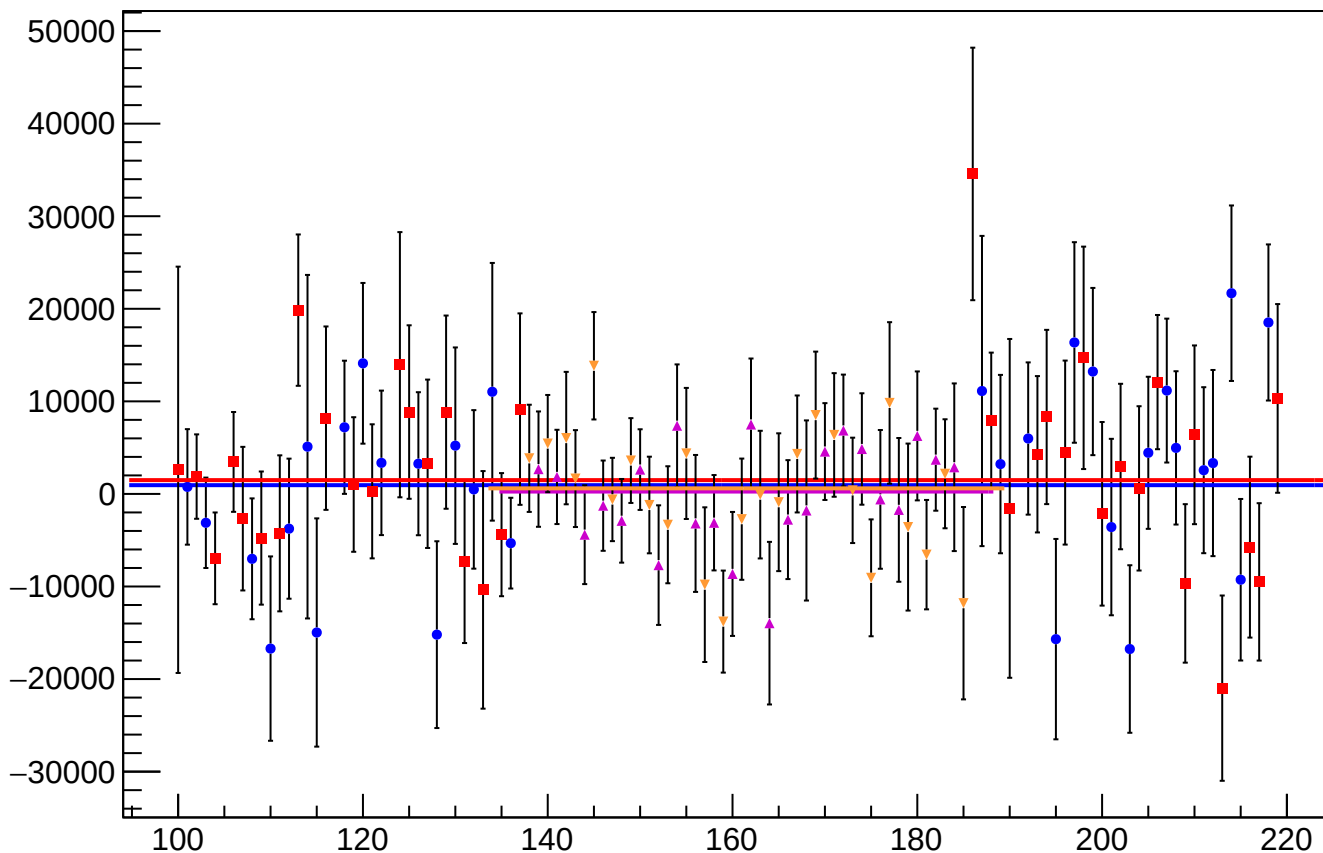
Left In: 1585.919 $\pm$ 0.262 χ^2 /NDF: 41915.1/22

+ sign 1631.389 $\pm$ 0.184 χ^2 /NDF: 443381.0/56

All: 1630.693 $\pm$ 0.130 χ^2 /NDF: 840141.1/115

- sign 1629.996 $\pm$ 0.184 χ^2 /NDF: 396731.5/58

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: 945.515 $\pm$ 1472.338 χ^2 /NDF: 39.4/31

Left Out: 601.817 $\pm$ 1233.561 χ^2 /NDF: 26.0/24

Right Out: 1491.179 $\pm$ 1387.892 χ^2 /NDF: 36.1/35

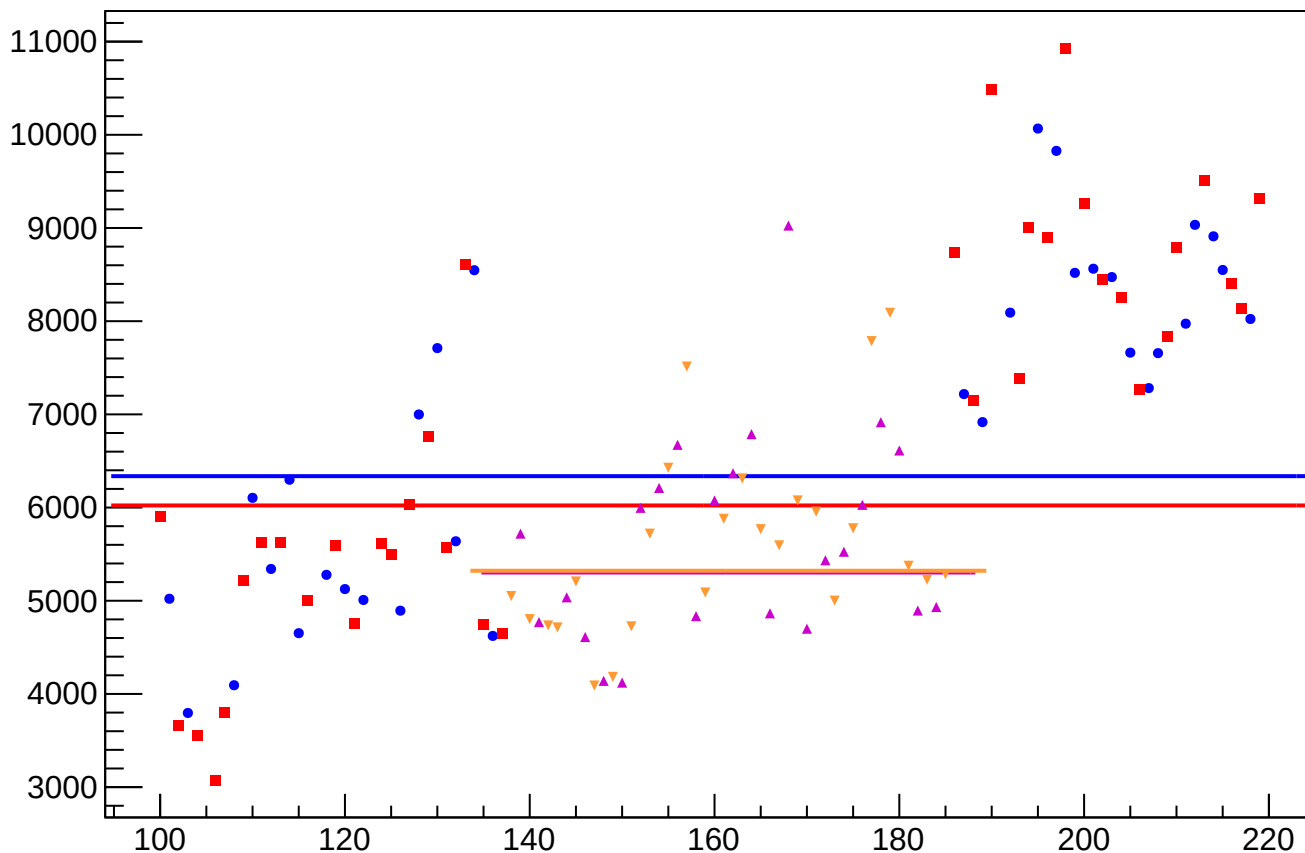
Left In: 255.907 $\pm$ 1262.609 χ^2 /NDF: 14.6/22

+ sign 743.571 $\pm$ 945.556 χ^2 /NDF: 65.4/56

All: 779.871 $\pm$ 664.470 χ^2 /NDF: 116.6/115

- sign 815.285 $\pm$ 933.957 χ^2 /NDF: 51.2/58

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 6336.910+/-1.041 χ^2/NDF : 3085662.1/31

Left Out: 5321.965+/-0.872 χ^2/NDF : 1037011.4/24

Right Out: 6022.563+/-0.981 χ^2/NDF : 4622892.9/35

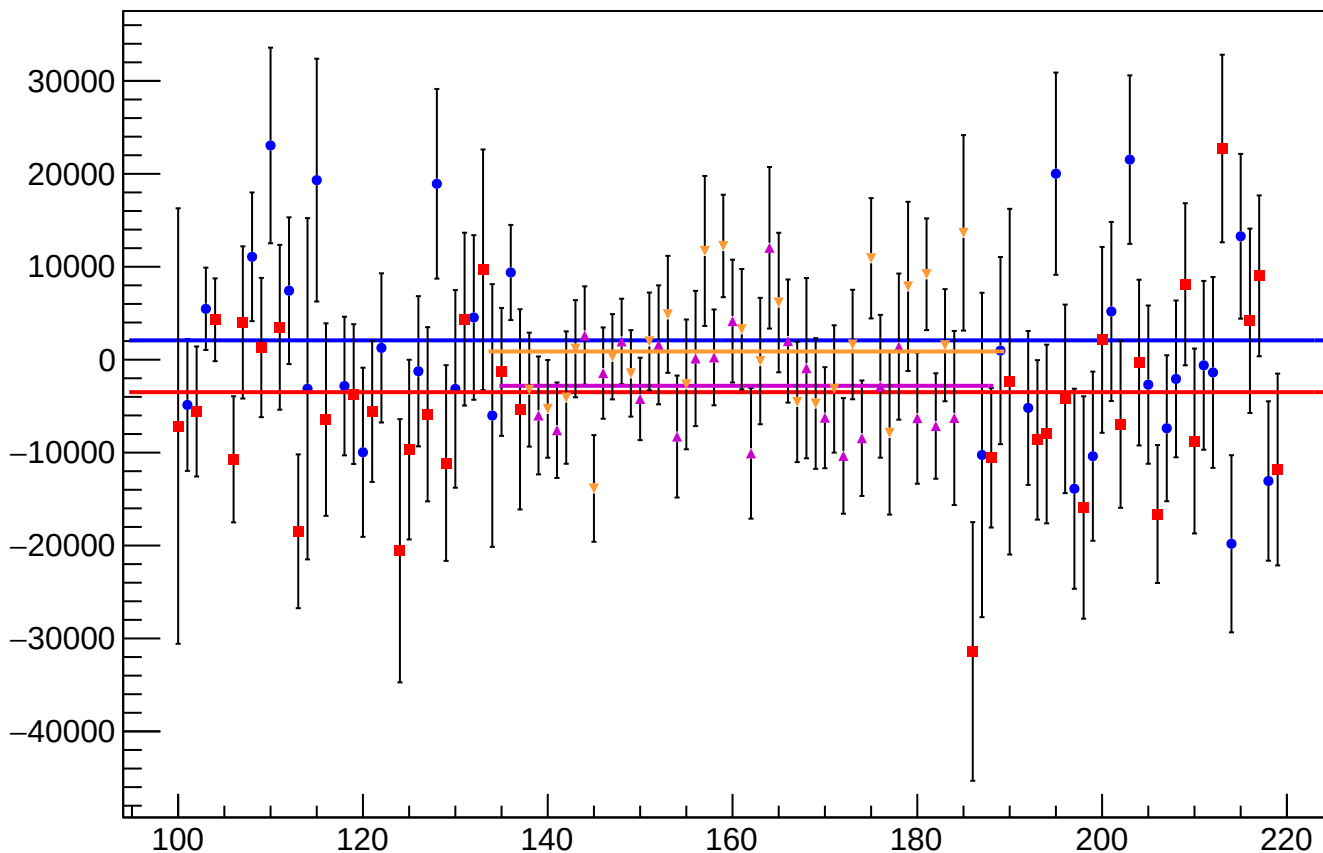
Left In: 5302.858+/-0.893 χ^2/NDF : 1152380.1/22

+ sign 5740.568+/-0.669 χ^2/NDF : 4681083.0/56

All: 5683.978+/-0.470 χ^2/NDF : 10764776.8/100

- sign 5628.768+/-0.660 χ^2/NDF : 6069541.2/58

asym_usr_atr2_avg_mean vs Slug



Right In: 2079.938 $\pm$ 1501.645 χ^2 /NDF: 42.2/31

Left Out: 885.482 $\pm$ 1246.500 χ^2 /NDF:25.7/24

Right Out: -3494.147 $\pm$ 1461.684 χ^2 /NDF: 36.4/35

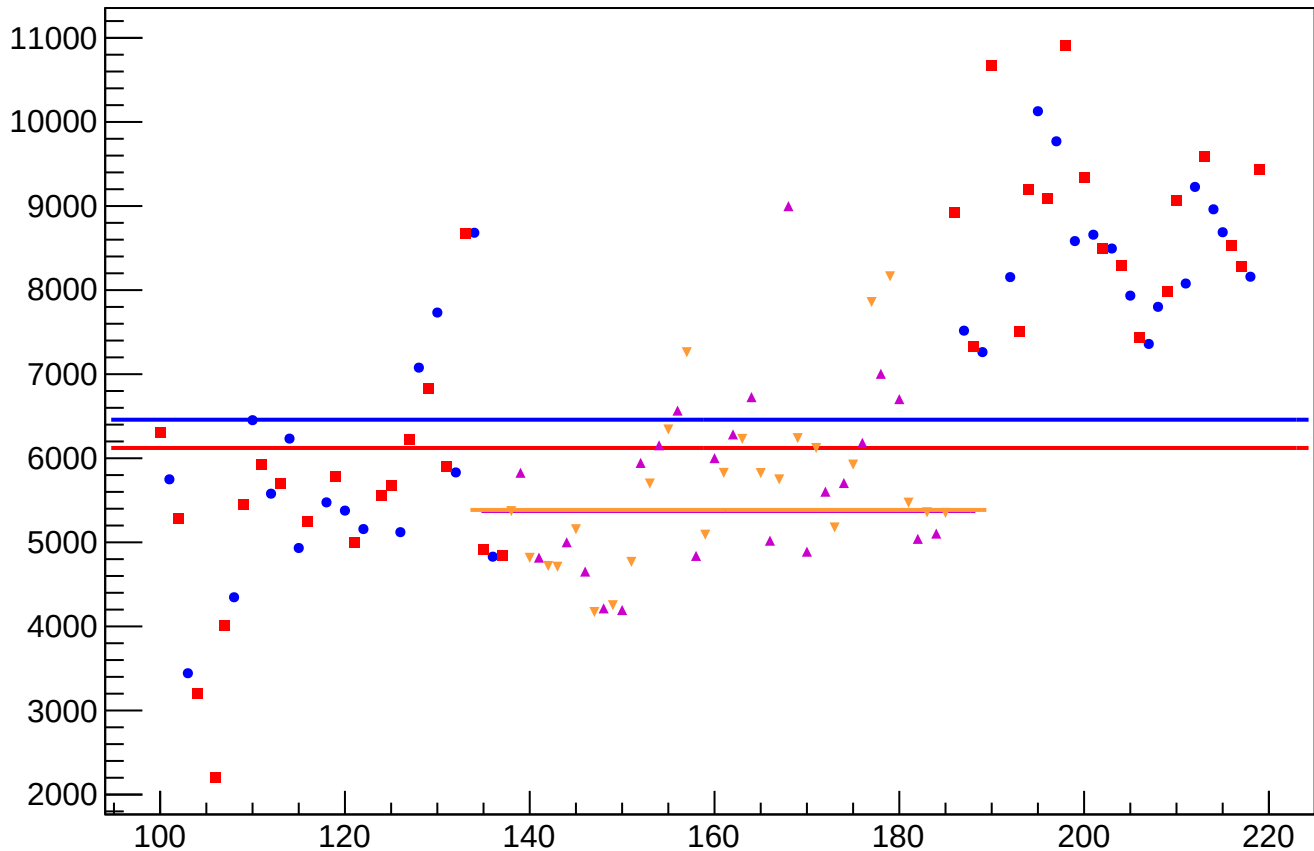
Left In: -2810.702 $\pm$ 1277.225 χ^2 /NDF:14.7/22

+ sign 1372.761 $\pm$ 959.116 χ^2 /NDF: 68.3/56

All: -860.711 $\pm$ 679.137 χ^2 /NDF: 130.3/115

- sign -3106.604 $\pm$ 961.779 χ^2 /NDF: 51.2/58

asym_usr_atr2_avg_rms vs Slug



Right In: 6458.546 $\pm$ 1.062 χ^2 /NDF: 3176133.7/31

Left Out: 5385.653 $\pm$ 0.881 χ^2 /NDF:987089.3/24

Right Out: 6122.424 $\pm$ 1.009 χ^2 /NDF: 5142097.8/35

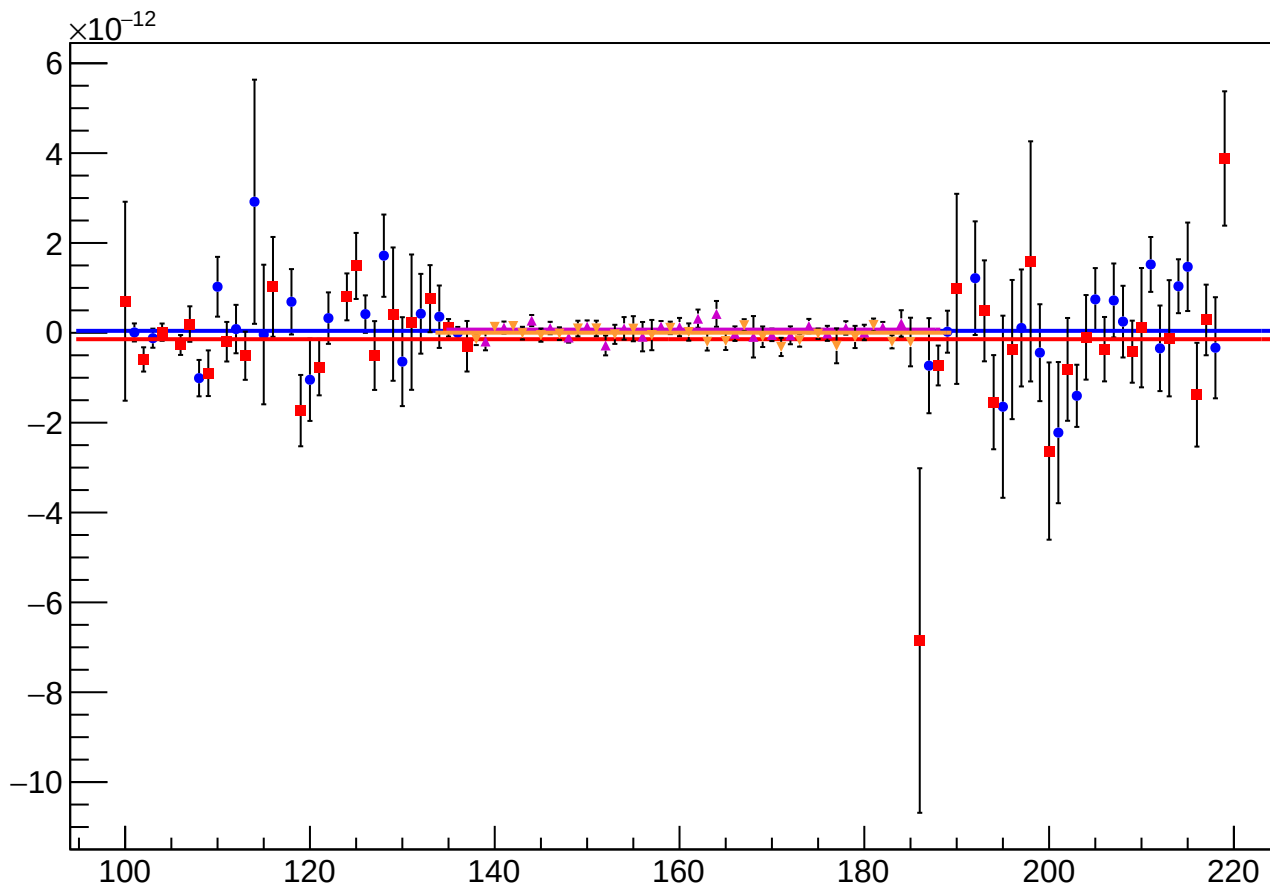
Left In: 5372.867 $\pm$ 0.903 χ^2 /NDF:1071821.2/22

+ sign 5823.340 $\pm$ 0.678 χ^2 /NDF: 4767680.3/56

All: 5764.327 $\pm$ 0.478 χ^2 /NDF: 11302964.8/100

- sign 5706.217 $\pm$ 0.673 χ^2 /NDF: 6520257.2/58

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.7/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:18.3/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 43.8/35

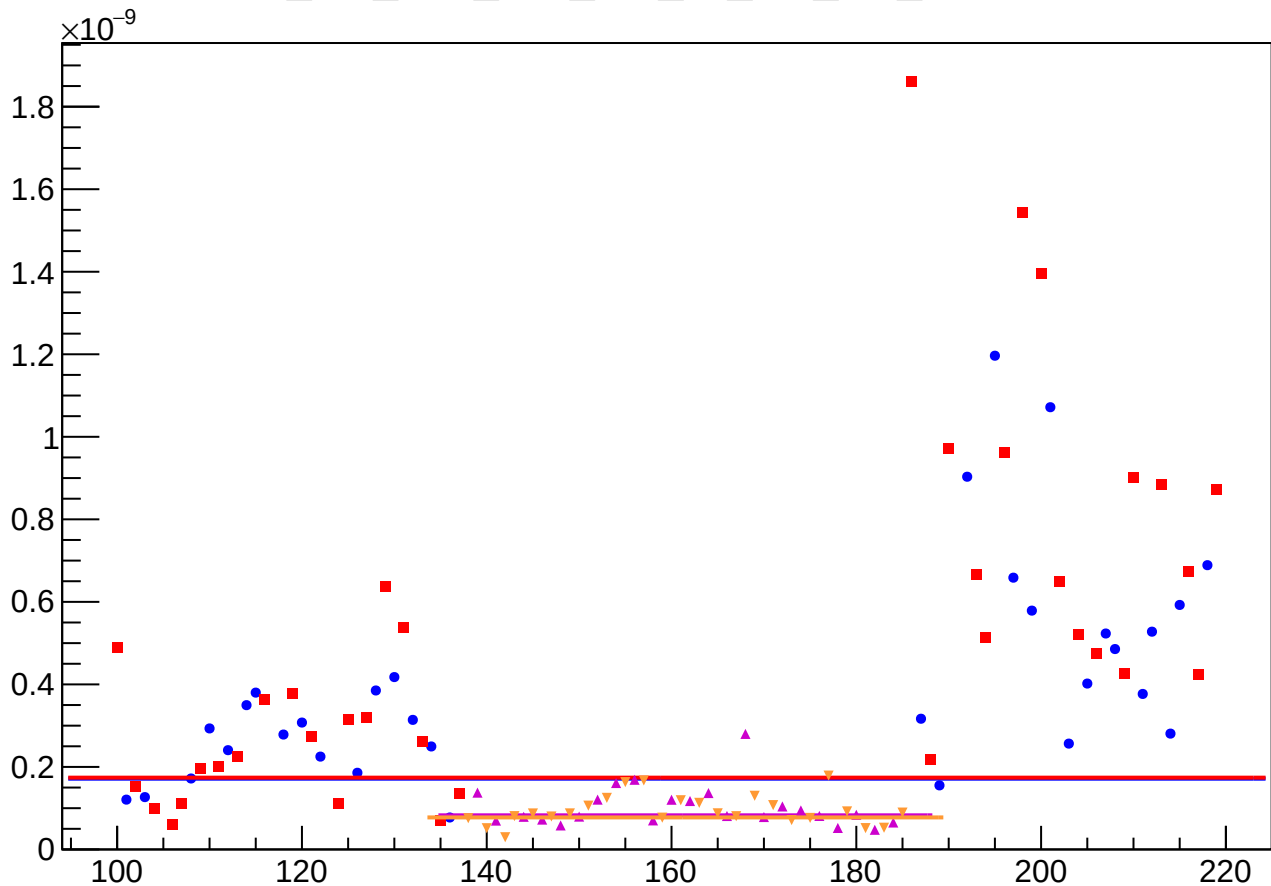
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 58.3/56

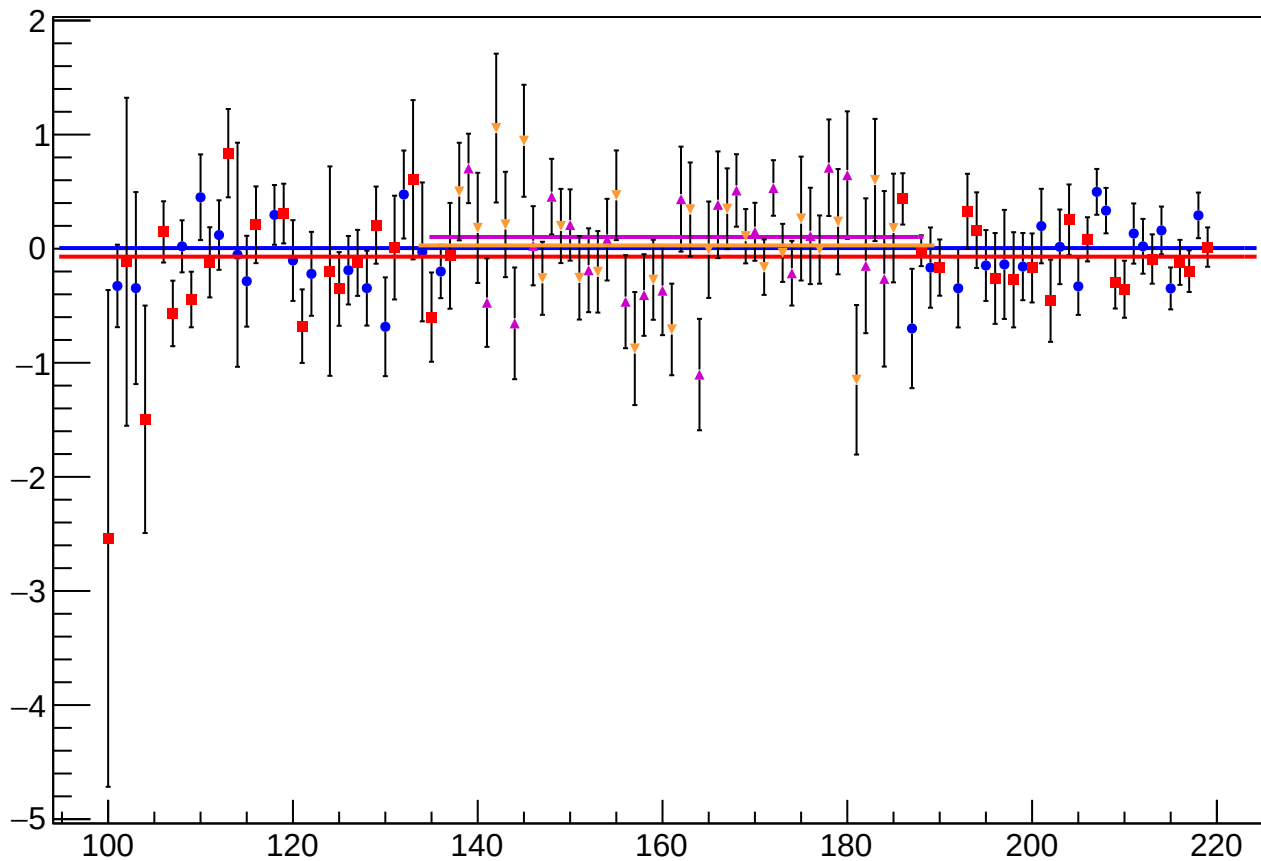
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 124.1/115

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 65.2/58

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug



asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 ± 0.051 χ^2/NDF : 32.3/31

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.070 ± 0.046 χ^2/NDF : 39.4/35

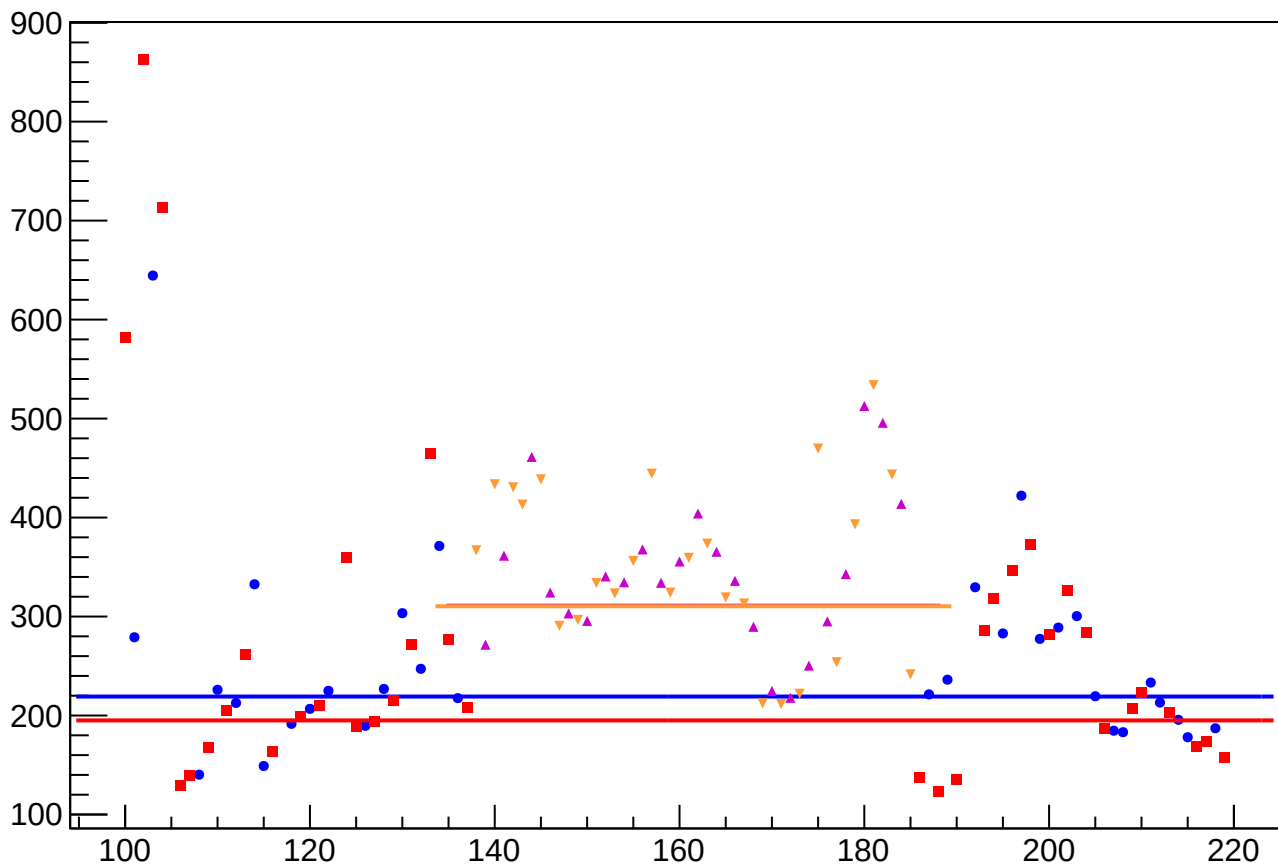
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign 0.013 ± 0.042 χ^2/NDF : 57.7/56

All: -0.007 ± 0.029 χ^2/NDF : 133.5/115

- sign -0.023 ± 0.040 χ^2/NDF : 75.4/58

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 219.173 ± 0.036 $\chi^2/\text{NDF}: 2409007.6/31$

Left Out: 310.359 ± 0.053 $\chi^2/\text{NDF}: 2363086.4/24$

Right Out: 195.075 ± 0.033 $\chi^2/\text{NDF}: 4552372.9/35$

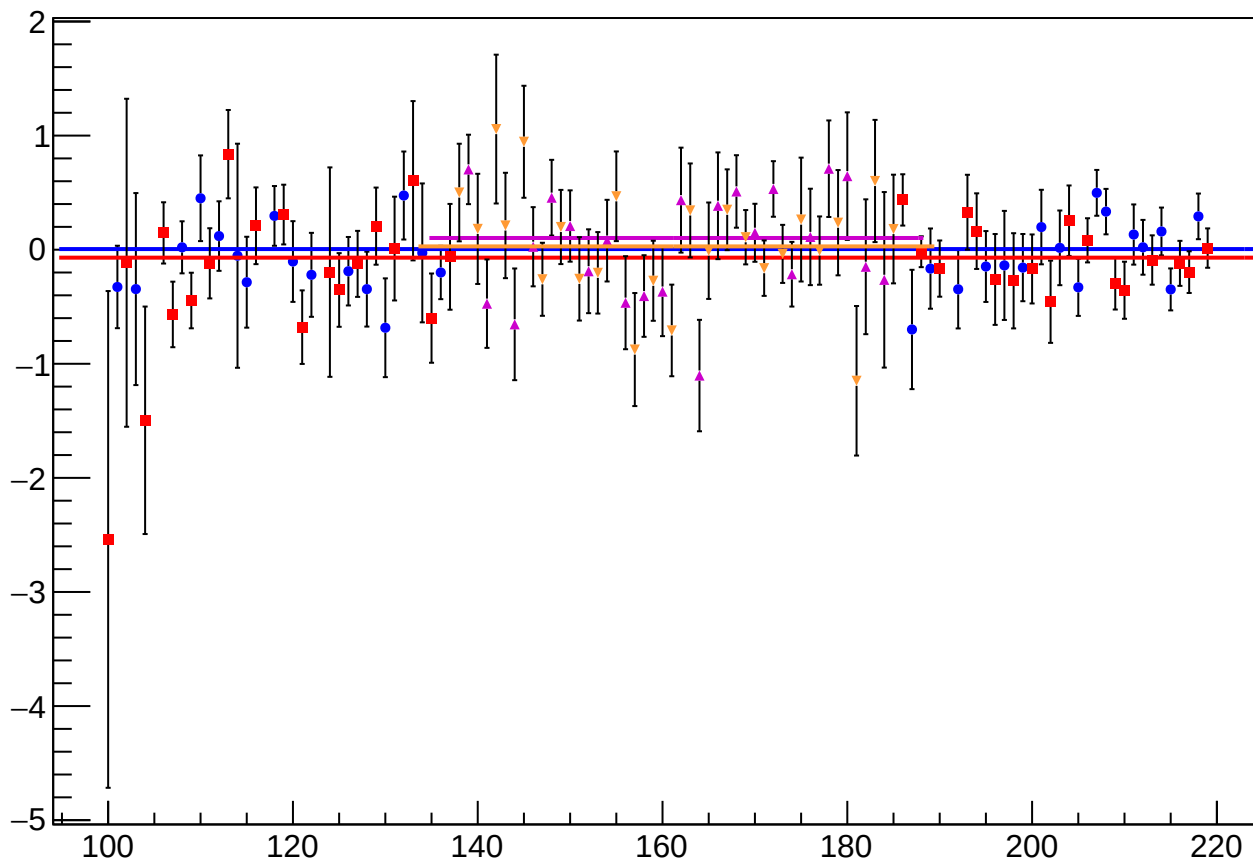
Left In: 310.960 ± 0.054 $\chi^2/\text{NDF}: 1600370.0/22$

+ sign 248.567 ± 0.030 $\chi^2/\text{NDF}: 6793366.1/56$

All: 236.628 ± 0.020 $\chi^2/\text{NDF}: 16619771.1/11$

- sign 226.240 ± 0.028 $\chi^2/\text{NDF}: 9529744.0/58$

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.051 χ^2/NDF : 32.3/31

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.070 ± 0.046 χ^2/NDF : 39.4/35

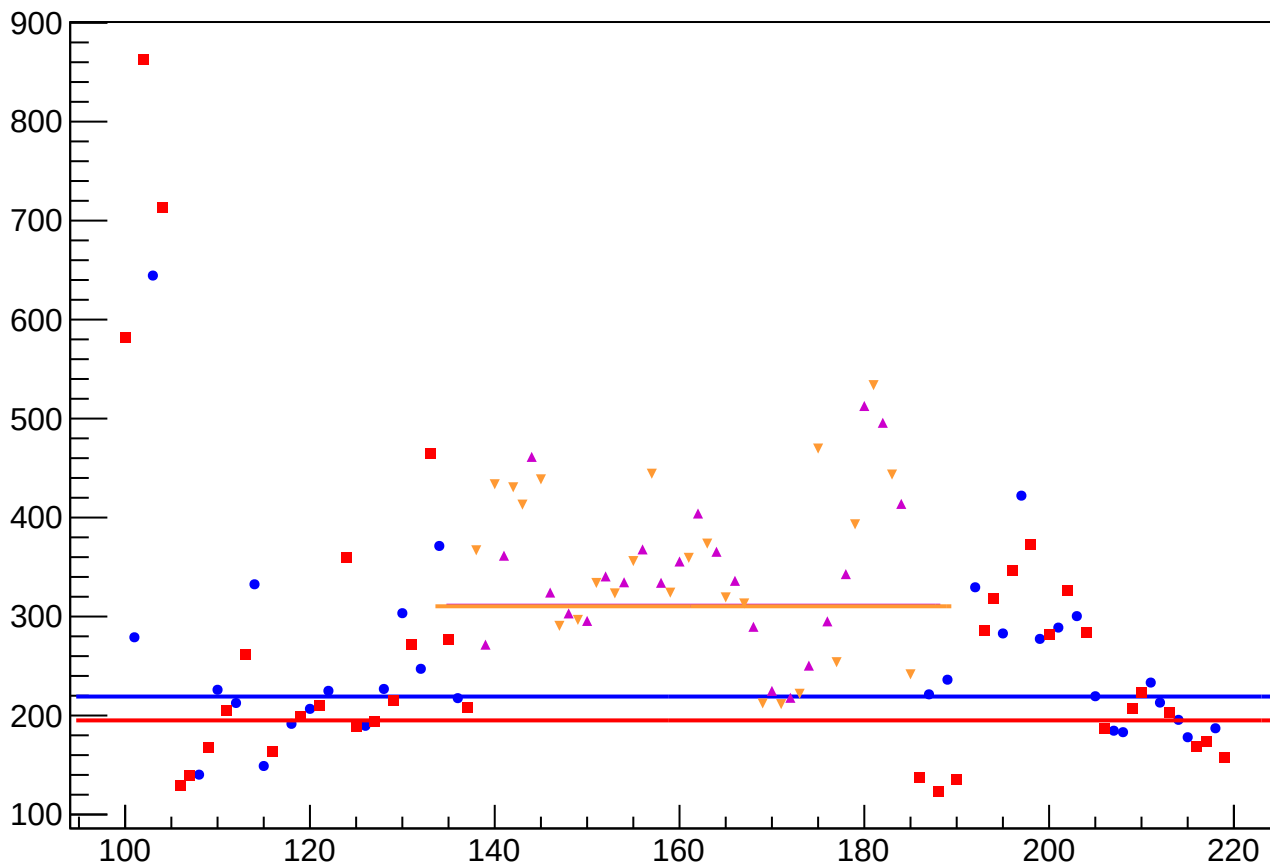
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign 0.013 ± 0.042 χ^2/NDF : 57.7/56

All: -0.007 ± 0.029 χ^2/NDF : 133.5/115

- sign -0.023 ± 0.040 χ^2/NDF : 75.4/58

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 219.173 ± 0.036 $\chi^2/\text{NDF}: 2409007.6/31$

Left Out: 310.359 ± 0.053 $\chi^2/\text{NDF}: 2363086.4/24$

Right Out: 195.075 ± 0.033 $\chi^2/\text{NDF}: 4552372.9/35$

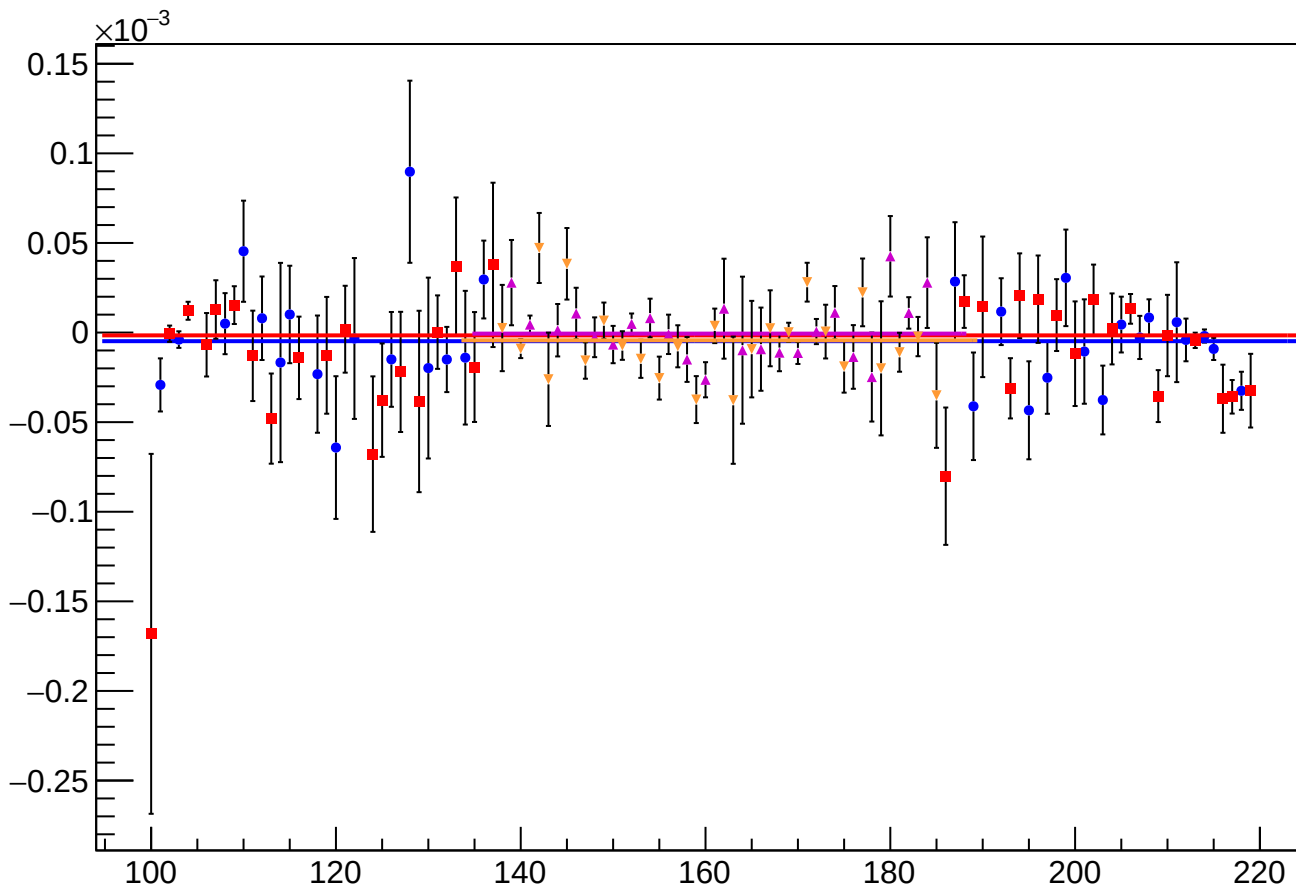
Left In: 310.960 ± 0.054 $\chi^2/\text{NDF}: 1600370.0/22$

+ sign 248.567 ± 0.030 $\chi^2/\text{NDF}: 6793366.1/56$

All: 236.628 ± 0.020 $\chi^2/\text{NDF}: 16619771.1/11$

- sign 226.240 ± 0.028 $\chi^2/\text{NDF}: 9529744.0/58$

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 37.0/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 42.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 64.7/35

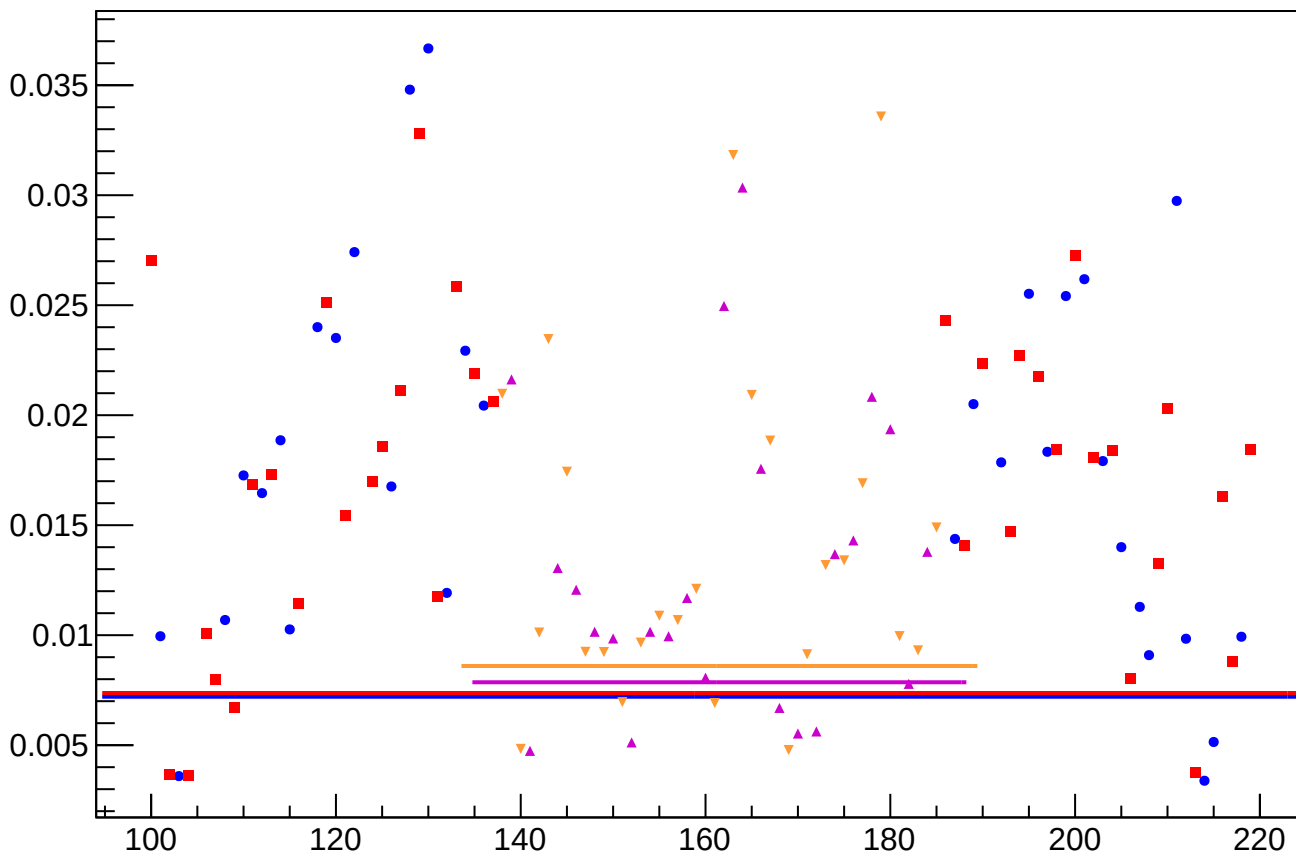
Left In: -0.000 ± 0.000 χ^2/NDF : 26.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 79.3/56

All: -0.000 ± 0.000 χ^2/NDF : 173.3/115

- sign -0.000 ± 0.000 χ^2/NDF : 91.3/58

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 15321312.1/31

Left Out: 0.009+/-0.000 χ^2/NDF : 7653564.7/24

Right Out: 0.007+/-0.000 χ^2/NDF : 15656523.3/35

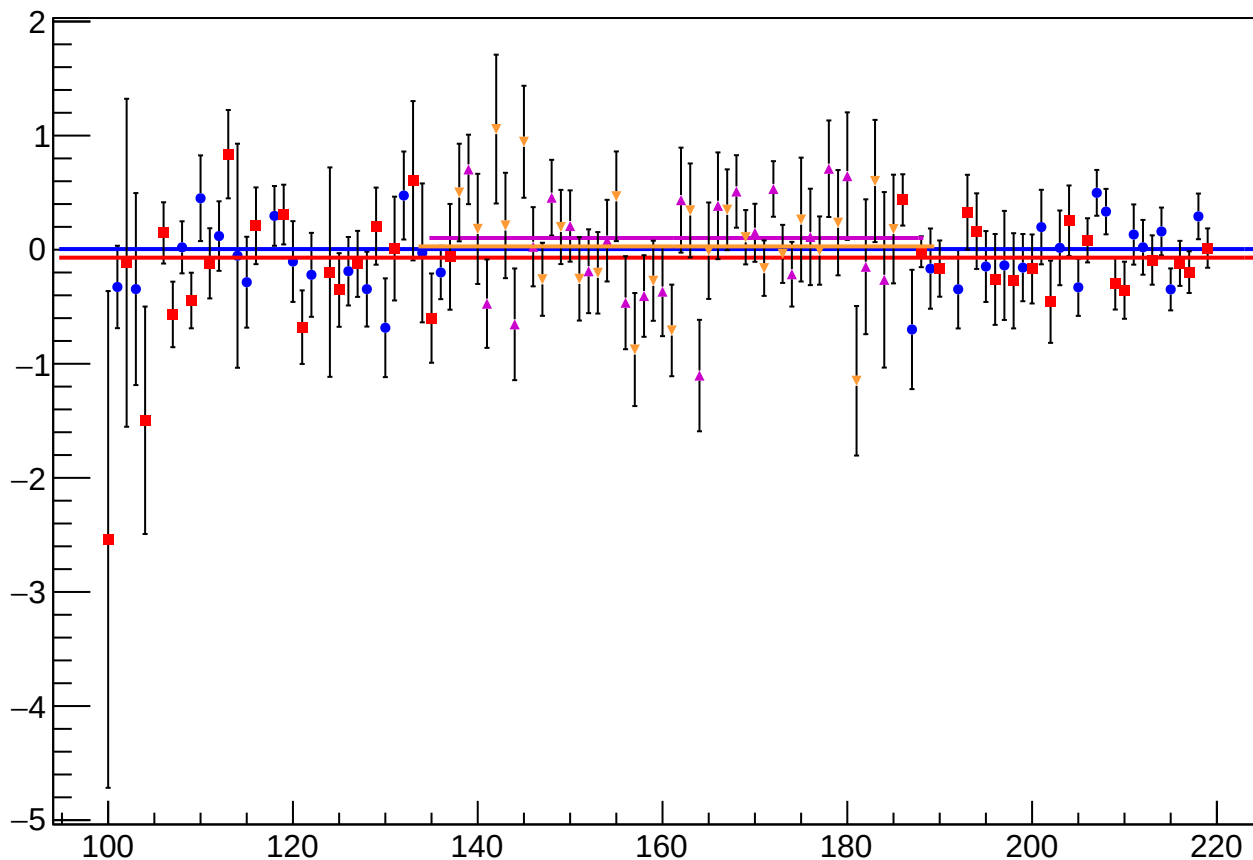
Left In: 0.008+/-0.000 χ^2/NDF : 6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF : 23382131.9/56

All: 0.008+/-0.000 χ^2/NDF : 45900498.5/115

- sign 0.008+/-0.000 χ^2/NDF : 22489957.1/58

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 ± 0.051 χ^2/NDF : 32.3/31

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.070 ± 0.046 χ^2/NDF : 39.4/35

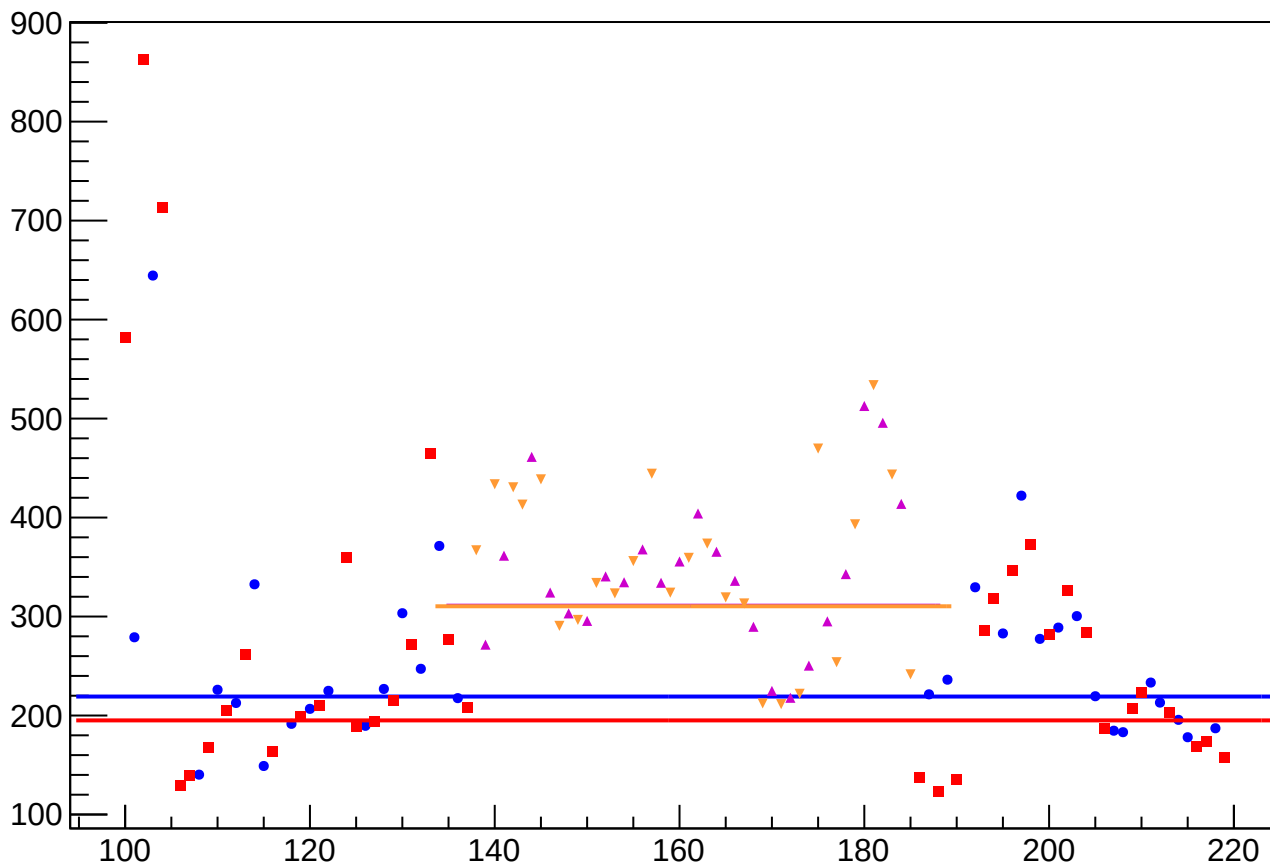
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign 0.013 ± 0.042 χ^2/NDF : 57.7/56

All: -0.007 ± 0.029 χ^2/NDF : 133.5/115

- sign -0.023 ± 0.040 χ^2/NDF : 75.4/58

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 219.173 ± 0.036 $\chi^2/\text{NDF}: 2409007.2/31$

Left Out: 310.362 ± 0.053 $\chi^2/\text{NDF}: 2363148.8/24$

Right Out: 195.073 ± 0.033 $\chi^2/\text{NDF}: 4552487.7/35$

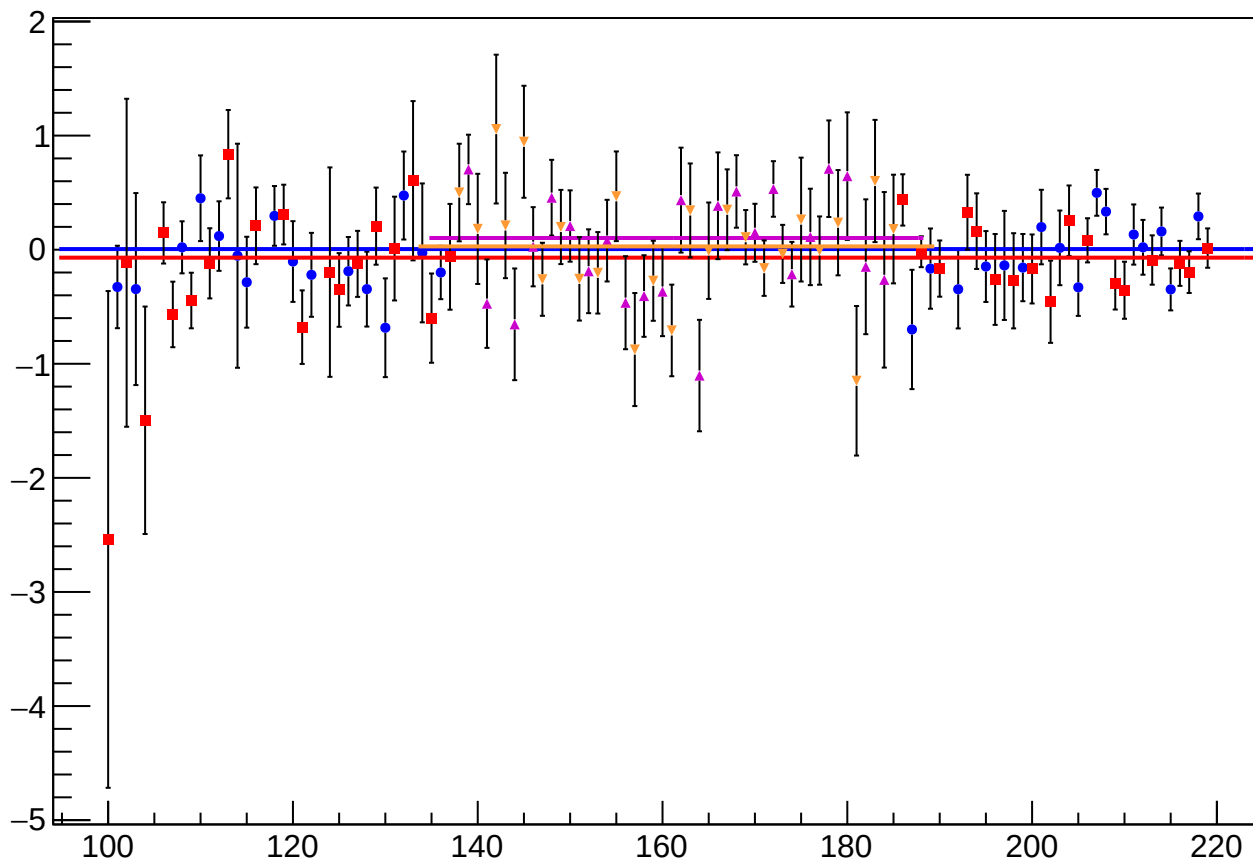
Left In: 310.963 ± 0.054 $\chi^2/\text{NDF}: 1600401.1/22$

+ sign 248.568 ± 0.030 $\chi^2/\text{NDF}: 6793562.9/56$

All: 236.628 ± 0.020 $\chi^2/\text{NDF}: 16620396.0/1$

- sign 226.239 ± 0.028 $\chi^2/\text{NDF}: 9530137.5/58$

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.051 χ^2/NDF : 32.3/31

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.070 ± 0.046 χ^2/NDF : 39.4/35

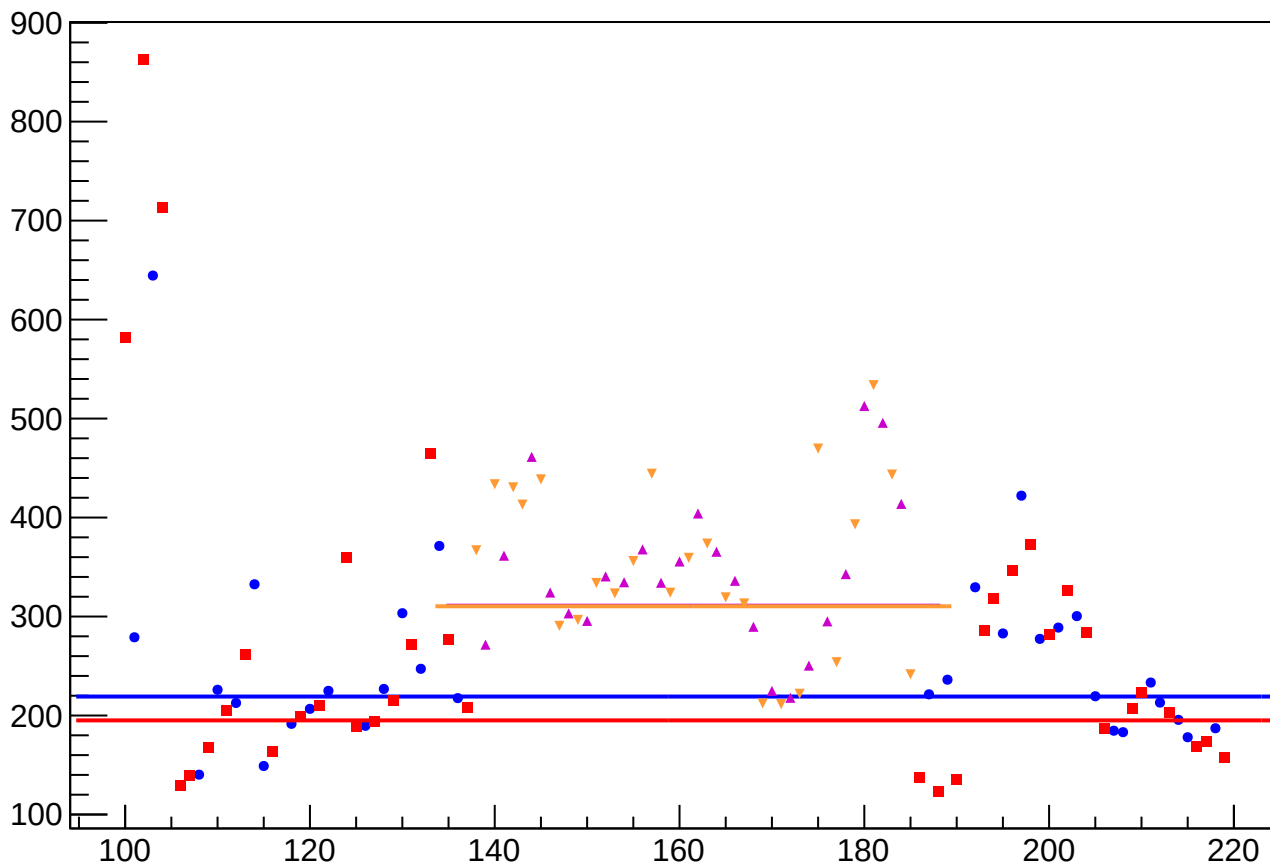
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign 0.013 ± 0.042 χ^2/NDF : 57.7/56

All: -0.007 ± 0.029 χ^2/NDF : 133.5/115

- sign -0.023 ± 0.040 χ^2/NDF : 75.4/58

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 219.173 $\pm$ 0.036 χ^2/NDF : 2409007.2/31

Left Out: 310.362 $\pm$ 0.053 χ^2/NDF : 2363148.8/24

Right Out: 195.073 $\pm$ 0.033 χ^2/NDF : 4552487.7/35

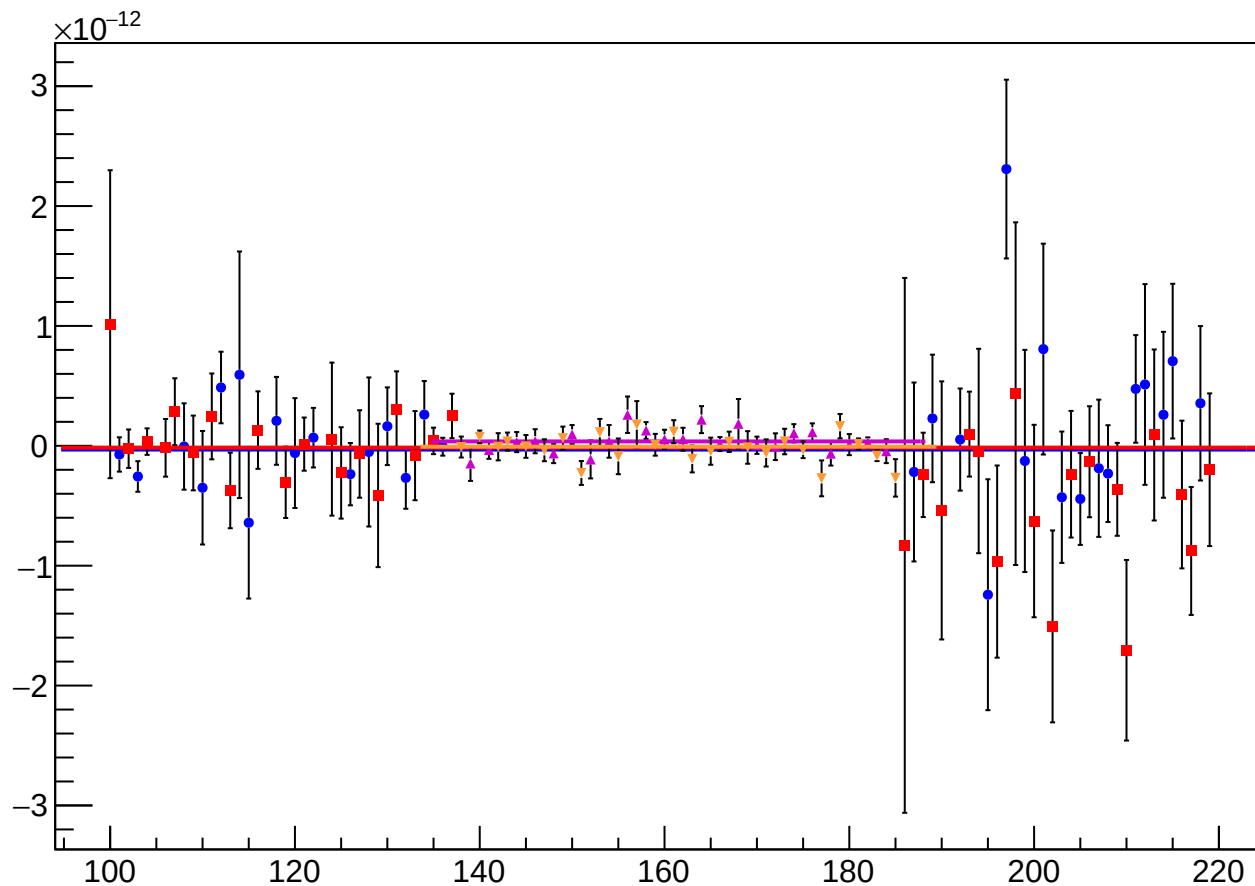
Left In: 310.963 $\pm$ 0.054 χ^2/NDF : 1600401.1/22

+ sign 248.568 $\pm$ 0.030 χ^2/NDF : 6793562.9/56

All: 236.628 $\pm$ 0.020 χ^2/NDF : 16620396.0/11

- sign 226.239 $\pm$ 0.028 χ^2/NDF : 9530137.5/58

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.8/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 25.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 24.8/35

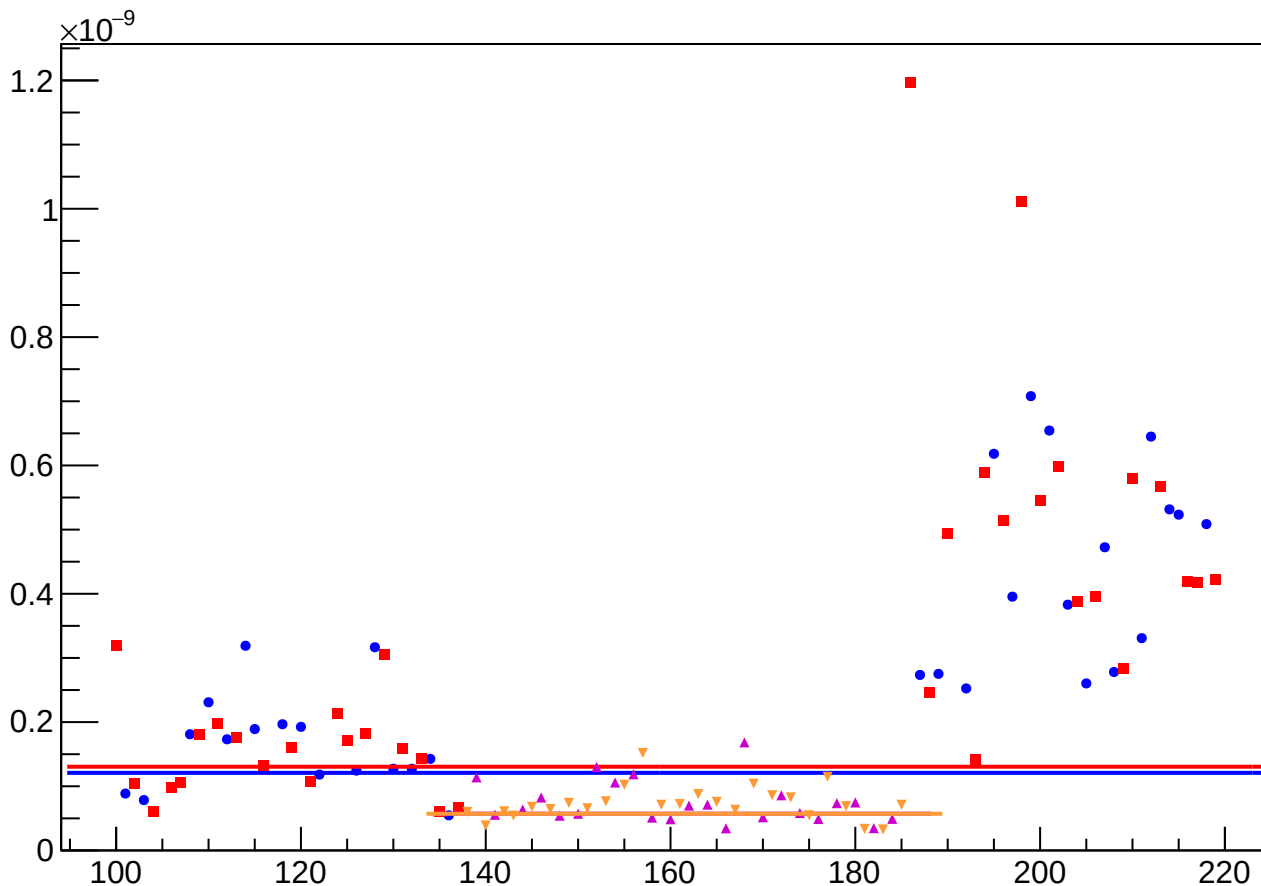
Left In: 0.000 ± 0.000 χ^2/NDF : 16.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 55.8/56

All: 0.000 ± 0.000 χ^2/NDF : 101.5/115

- sign 0.000 ± 0.000 χ^2/NDF : 42.5/58

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10562240.3/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10725358.3/35

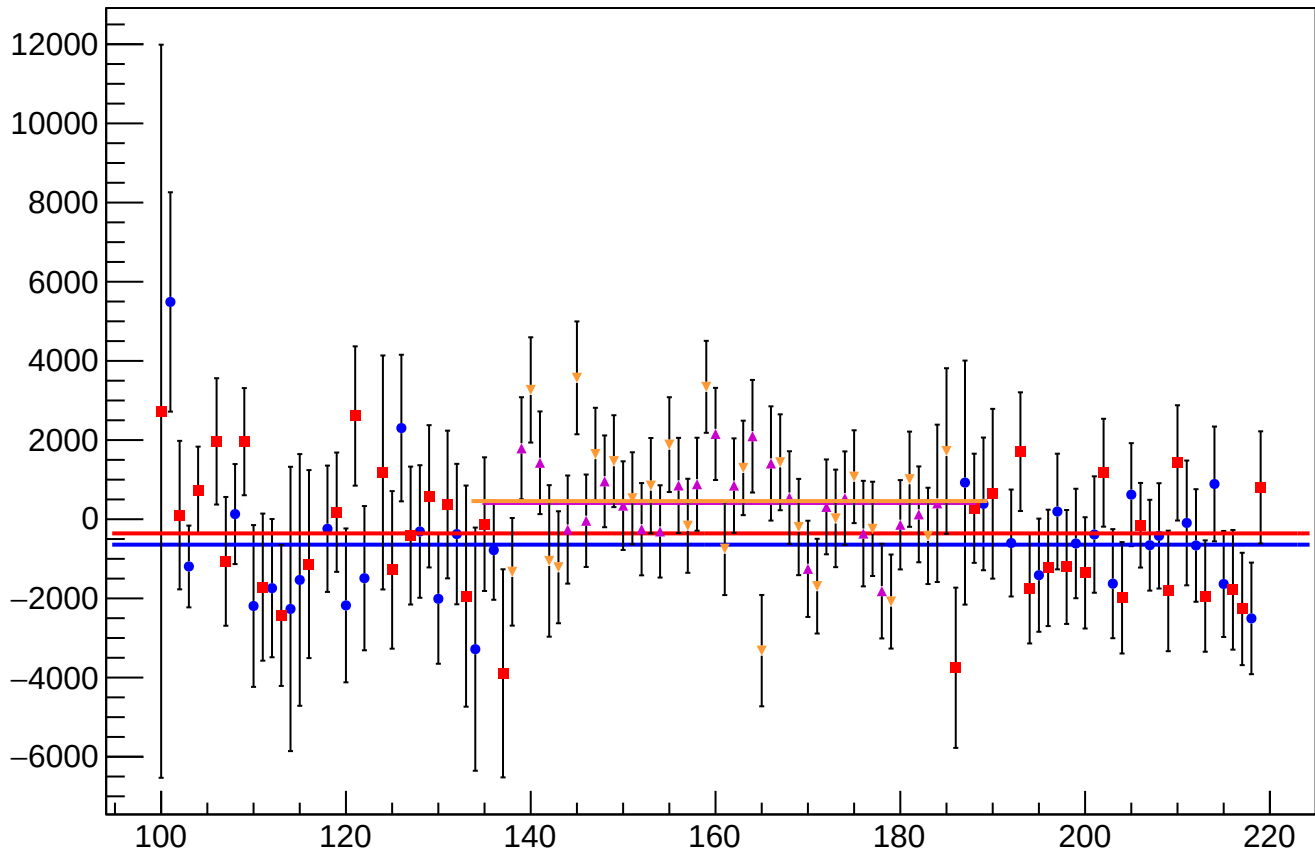
Left In: 0.000+/-0.000 χ^2/NDF : 3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 17130446.5/56

All: 0.000+/-0.000 χ^2/NDF : 35138907.7/115

- sign 0.000+/-0.000 χ^2/NDF : 18003935.6/58

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -642.450 ± 274.175 χ^2/NDF : 18.1/31

Left Out: 458.782 ± 251.538 χ^2/NDF : 42.1/24

Right Out: -357.864 ± 266.606 χ^2/NDF : 31.5/35

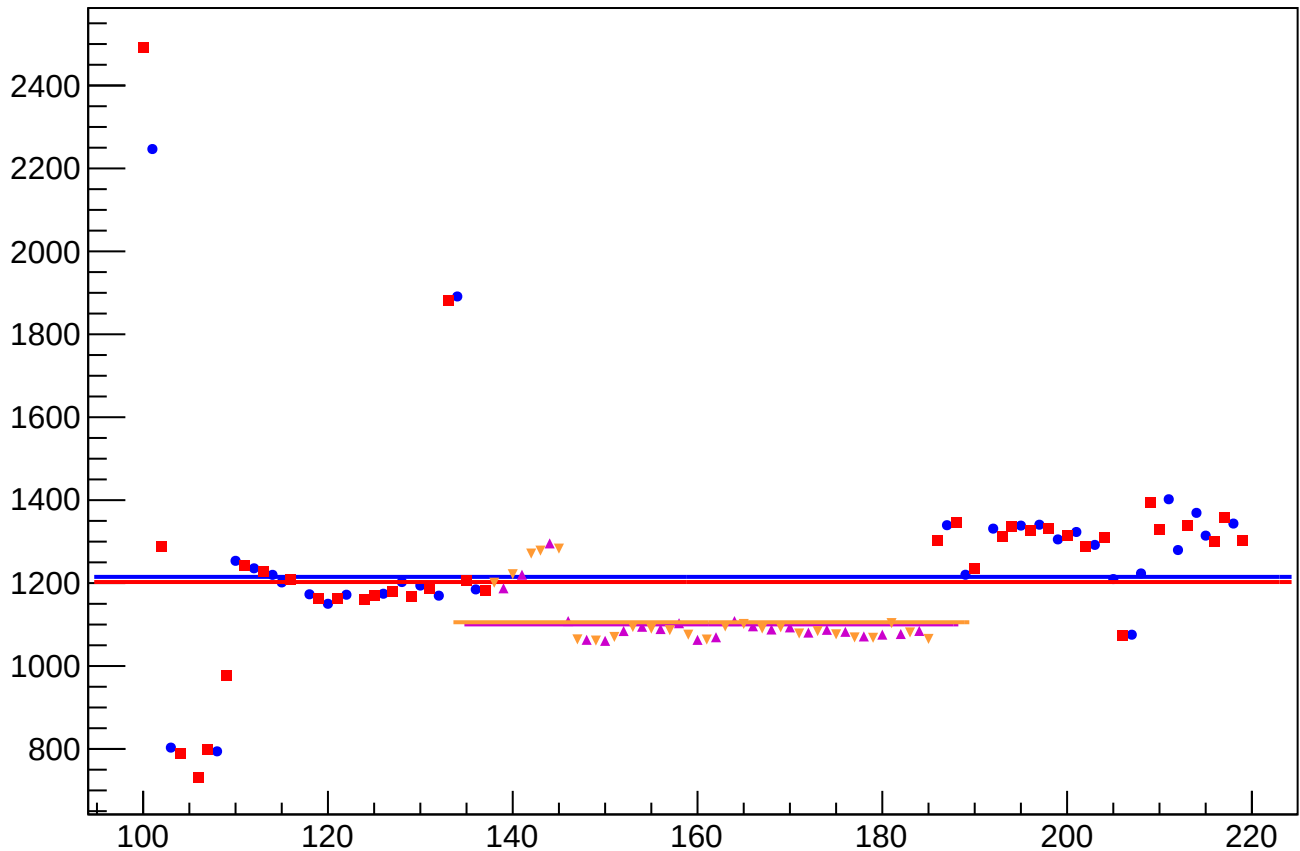
Left In: 411.262 ± 257.201 χ^2/NDF : 13.7/22

+ sign -44.503 ± 185.351 χ^2/NDF : 68.9/56

All: -1.943 ± 130.976 χ^2/NDF : 118.4/115

- sign 40.504 ± 185.104 χ^2/NDF : 49.4/58

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1214.974+/-0.194 χ^2/NDF : 1109413.9/31

Left Out: 1105.549+/-0.178 χ^2/NDF : 121950.0/24

Right Out: 1202.555+/-0.188 χ^2/NDF : 1103367.2/35

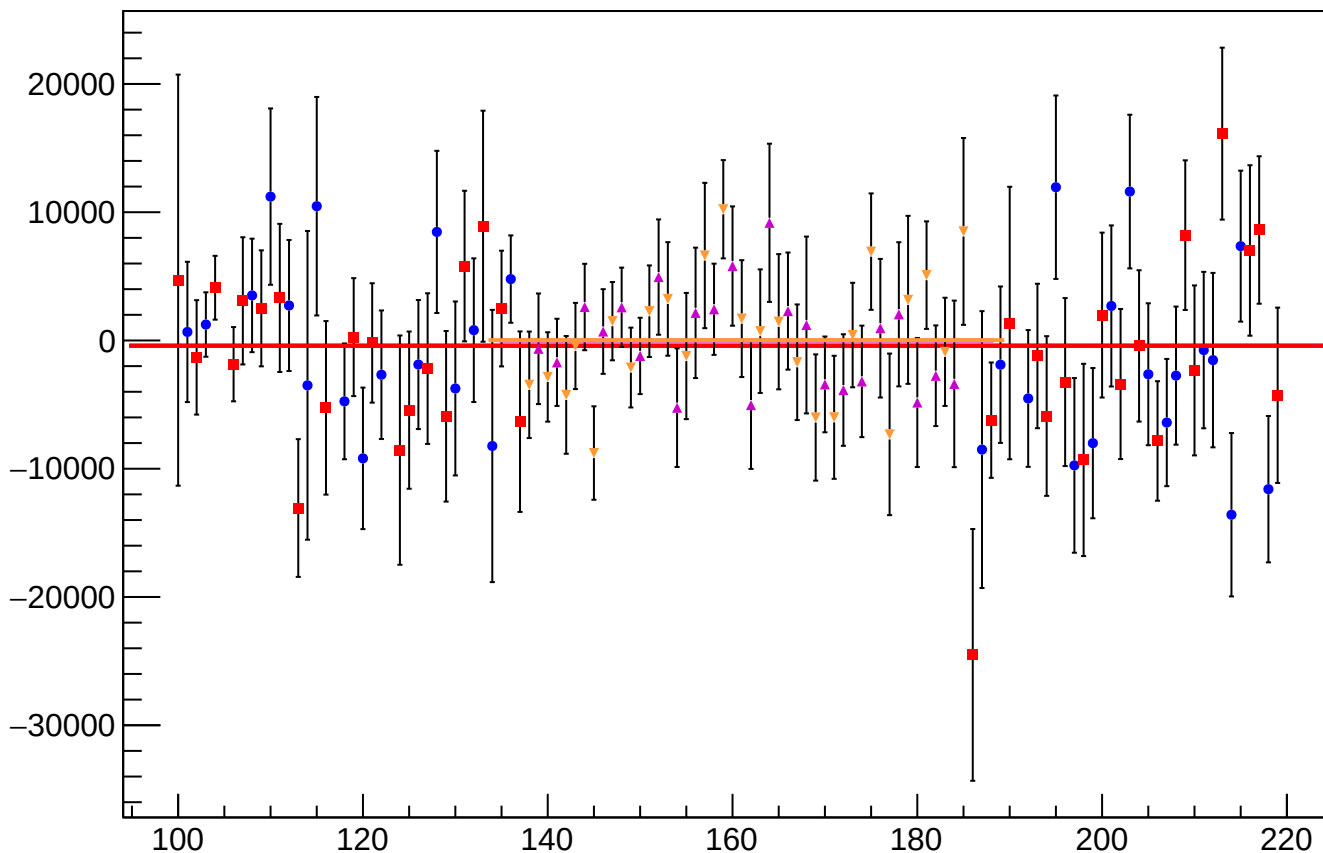
Left In: 1100.350+/-0.182 χ^2/NDF : 80240.5/22

+ sign 1155.558+/-0.131 χ^2/NDF : 1404340.7/56

All: 1152.669+/-0.093 χ^2/NDF : 2741707.3/11

- sign 1149.797+/-0.131 χ^2/NDF : 1336397.5/58

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: -396.004 ± 956.638 χ^2/NDF : 38.8/31

Left Out: 23.368 ± 850.404 χ^2/NDF : 28.5/24

Right Out: -422.480 ± 894.446 χ^2/NDF : 42.1/35

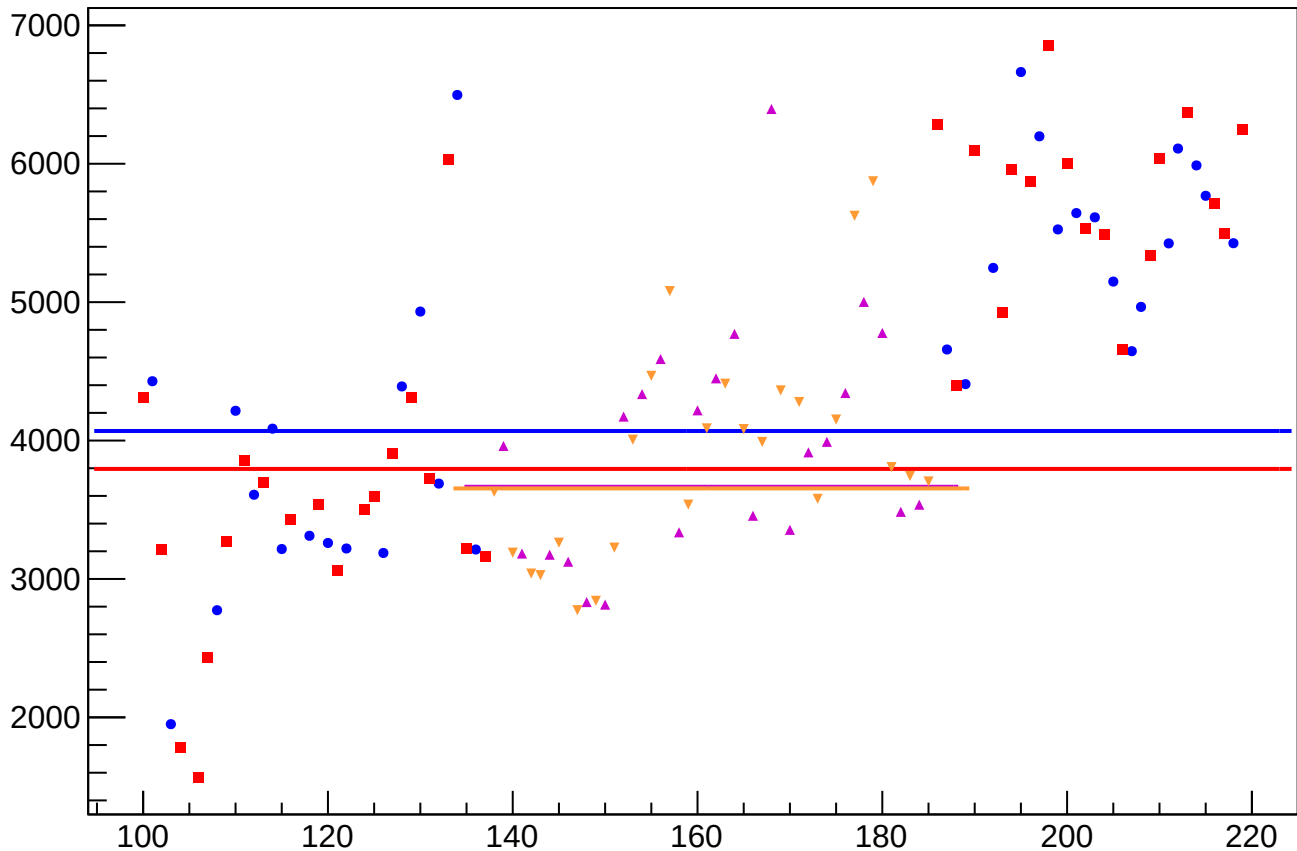
Left In: -6.317 ± 875.256 χ^2/NDF : 14.0/22

+ sign -161.748 ± 635.580 χ^2/NDF : 67.4/56

All: -186.199 ± 445.843 χ^2/NDF : 123.7/115

- sign -209.886 ± 625.574 χ^2/NDF : 56.3/58

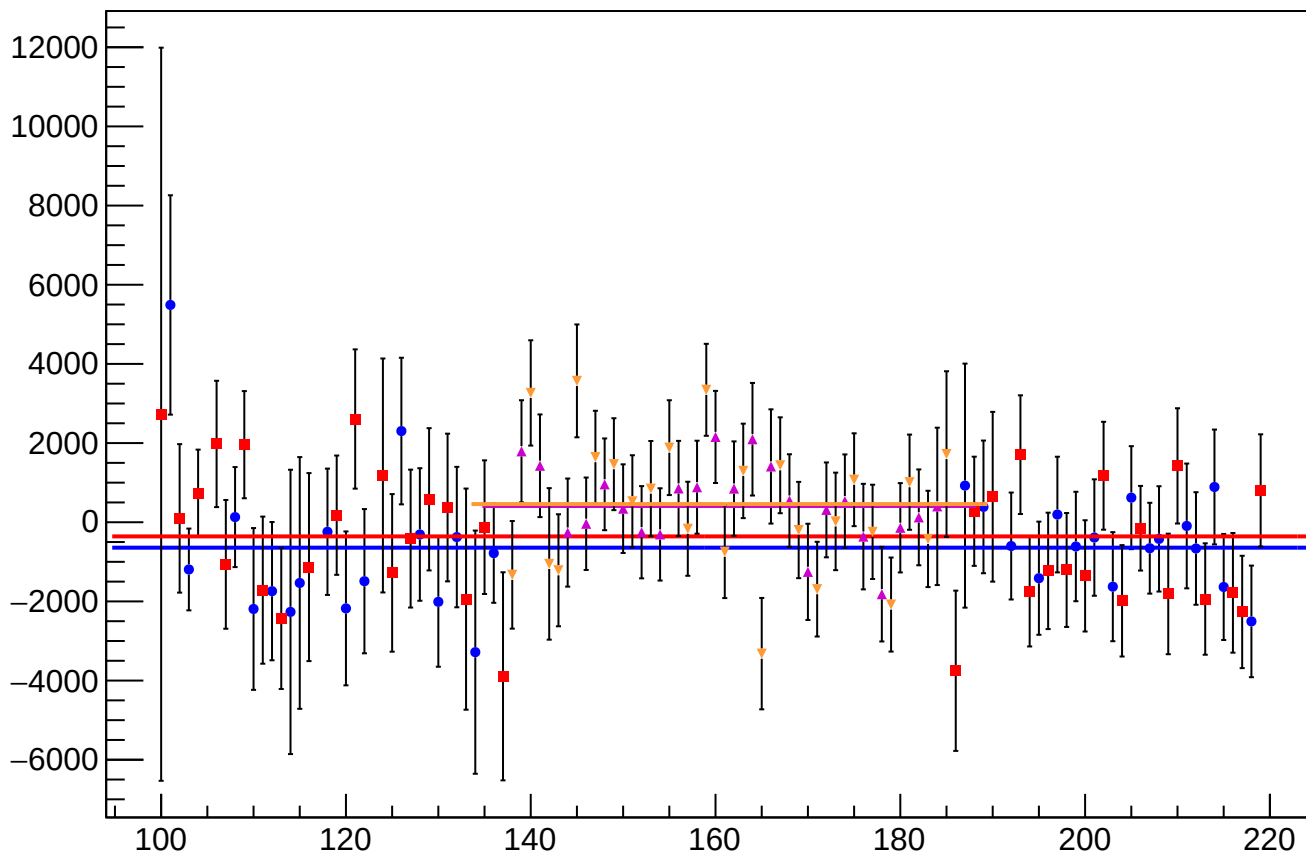
asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 4069.159 $\pm$ 0.676 χ^2 /NDF: 3984163.4/31
 Left Out: 3654.198 $\pm$ 0.601 χ^2 /NDF:1311761.6/24
 Right Out: 3795.073 $\pm$ 0.632 χ^2 /NDF: 5984356.9/35
 Left In: 3666.118 $\pm$ 0.619 χ^2 /NDF:1343709.3/22

+ sign 3837.367 $\pm$ 0.449 χ^2 /NDF: 5506128.4/56
 All: 3782.424 $\pm$ 0.315 χ^2 /NDF: 12884855.8/100
 - sign 3729.197 $\pm$ 0.442 χ^2 /NDF: 7349302.9/58

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -642.478 ± 274.175 χ^2/NDF : 18.1/31

Left Out: 458.844 ± 251.538 χ^2/NDF : 42.1/24

Right Out: -357.729 ± 266.607 χ^2/NDF : 31.5/35

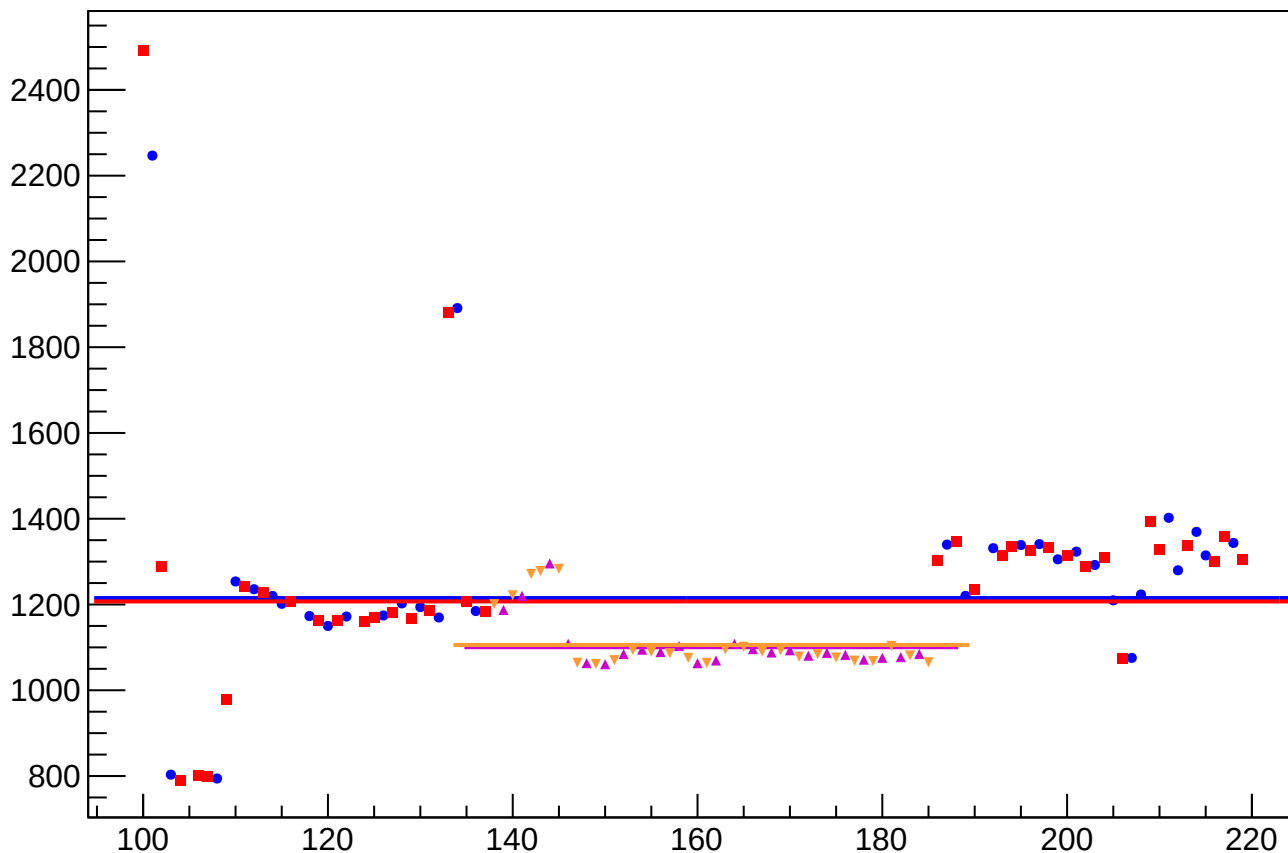
Left In: 411.165 ± 257.201 χ^2/NDF : 13.7/22

+ sign -44.482 ± 185.351 χ^2/NDF : 68.9/56

All: -1.924 ± 130.976 χ^2/NDF : 118.5/115

- sign 40.520 ± 185.105 χ^2/NDF : 49.5/58

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1214.974+/-0.194 χ^2/NDF : 1109409.1/31

Left Out: 1105.549+/-0.178 χ^2/NDF : 121950.0/24

Right Out: 1207.152+/-0.188 χ^2/NDF : 1018539.8/35

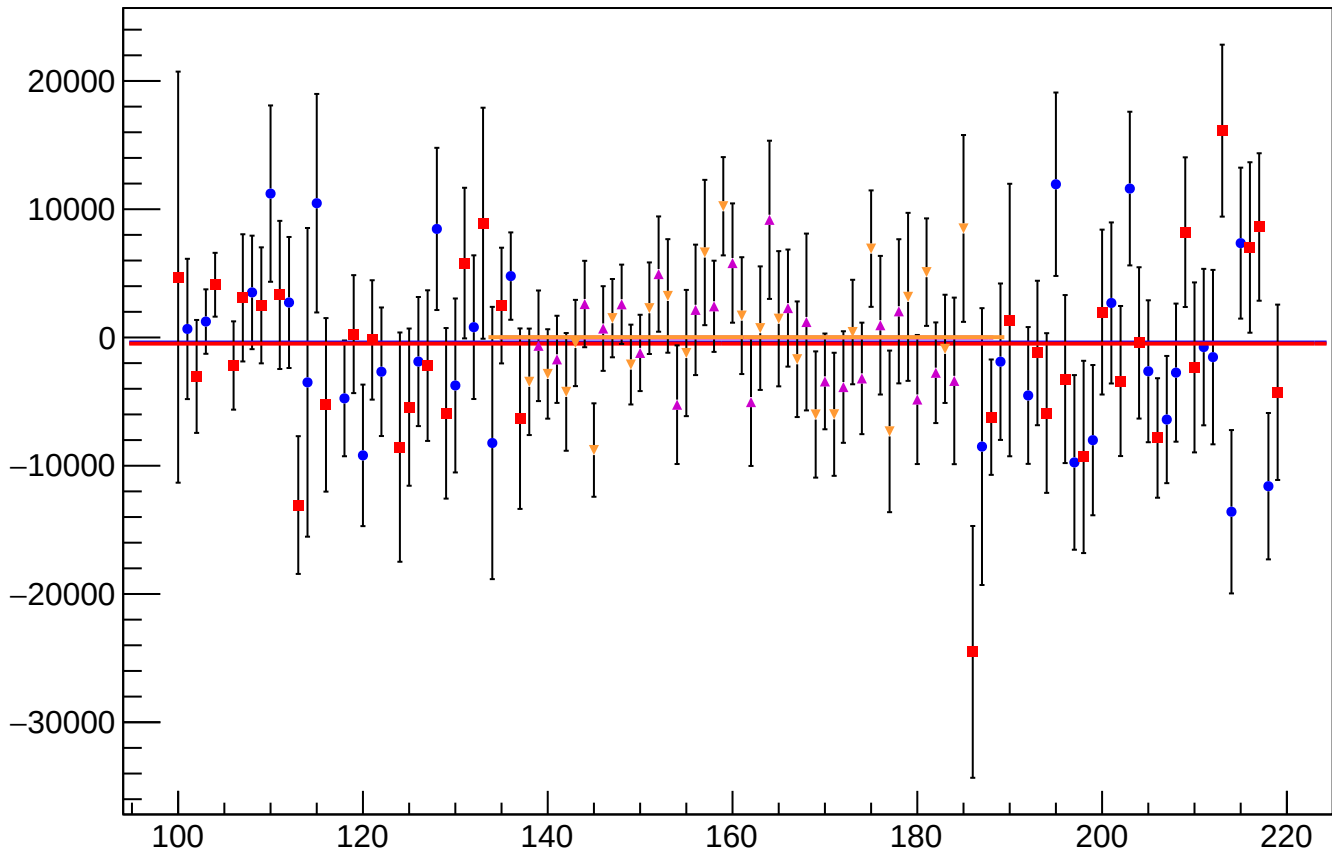
Left In: 1100.350+/-0.182 χ^2/NDF : 80240.5/22

+ sign 1155.558+/-0.131 χ^2/NDF : 1404336.7/56

All: 1153.714+/-0.093 χ^2/NDF : 2669891.4/11

- sign 1151.877+/-0.131 χ^2/NDF : 1265159.5/58

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: -396.407 ± 956.661 χ^2/NDF : 38.8/31

Left Out: 23.365 ± 850.403 χ^2/NDF : 28.5/24

Right Out: -478.649 ± 906.728 χ^2/NDF : 42.5/35

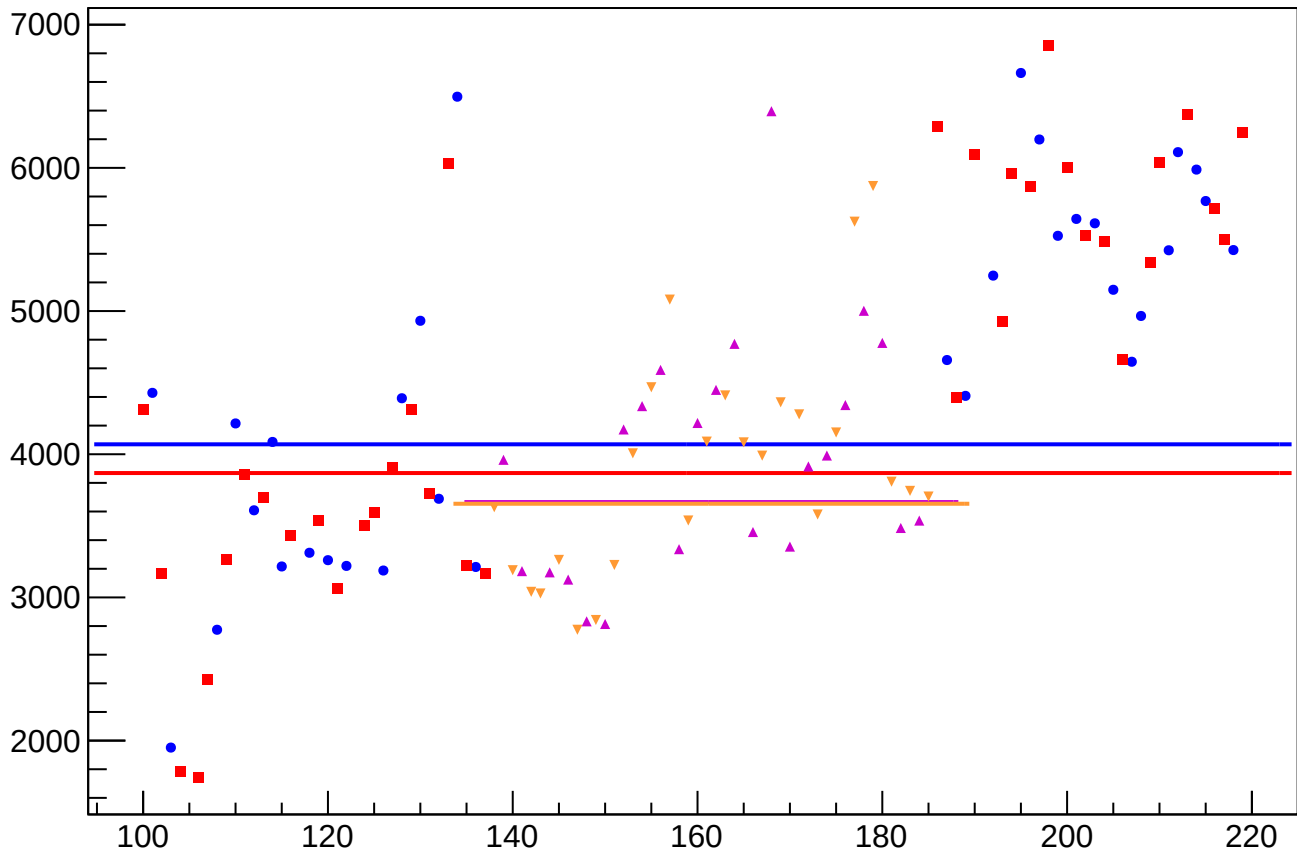
Left In: -6.368 ± 875.255 χ^2/NDF : 14.0/22

+ sign -161.923 ± 635.587 χ^2/NDF : 67.4/56

All: -198.381 ± 447.343 χ^2/NDF : 124.0/115

- sign -234.170 ± 629.731 χ^2/NDF : 56.6/58

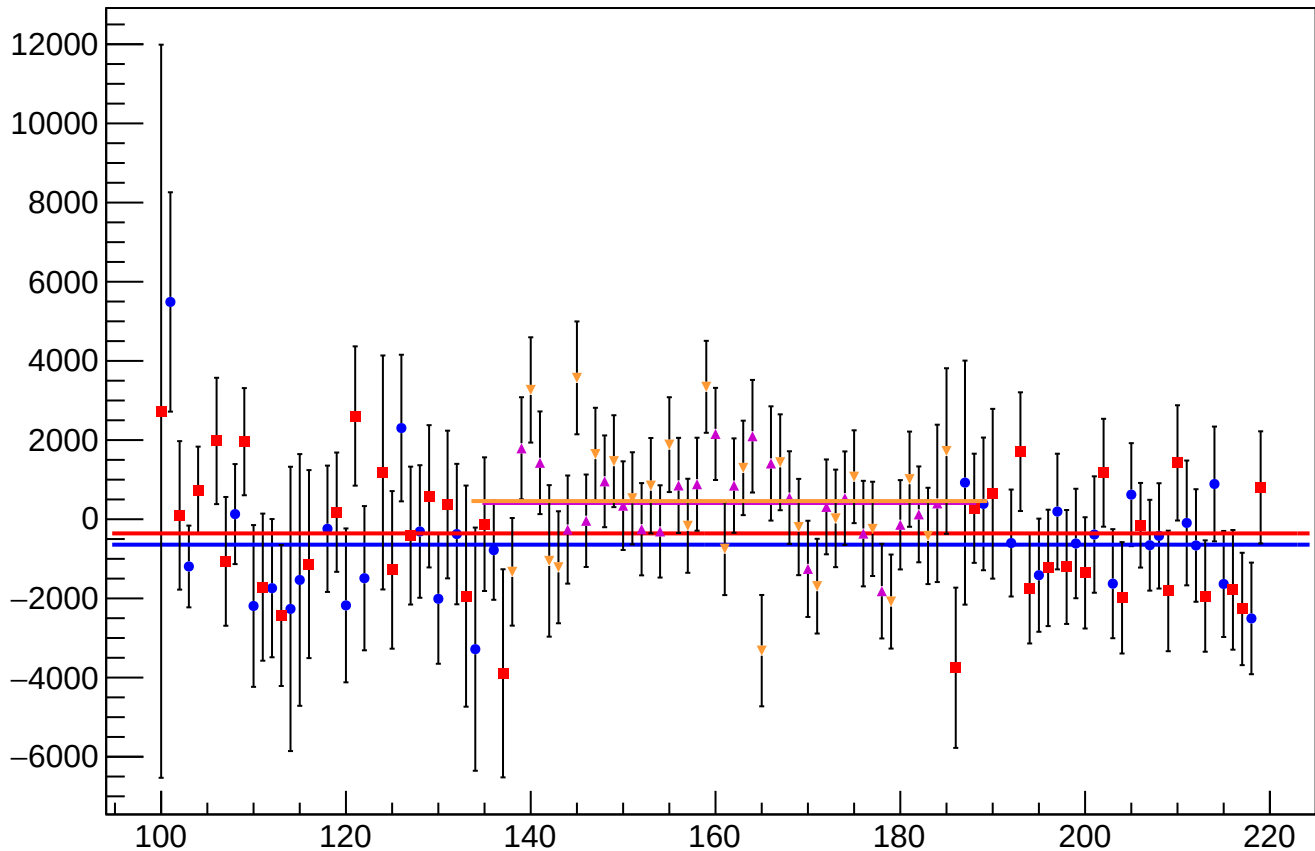
asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 4069.312 $\pm$ 0.676 χ^2/NDF : 3983197.8/31
 Left Out: 3654.195 $\pm$ 0.601 χ^2/NDF :1311769.4/24
 Right Out: 3868.673 $\pm$ 0.641 χ^2/NDF : 5502499.2/35
 Left In: 3666.114 $\pm$ 0.619 χ^2/NDF :1343711.6/22

+ sign 3837.428 $\pm$ 0.449 χ^2/NDF : 5505322.9/56
 All: 3800.282 $\pm$ 0.316 χ^2/NDF : 12416738.6/100
 - sign 3763.817 $\pm$ 0.445 χ^2/NDF : 6897878.3/58

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -642.478 ± 274.175 χ^2/NDF : 18.1/31

Left Out: 458.844 ± 251.538 χ^2/NDF : 42.1/24

Right Out: -357.729 ± 266.607 χ^2/NDF : 31.5/35

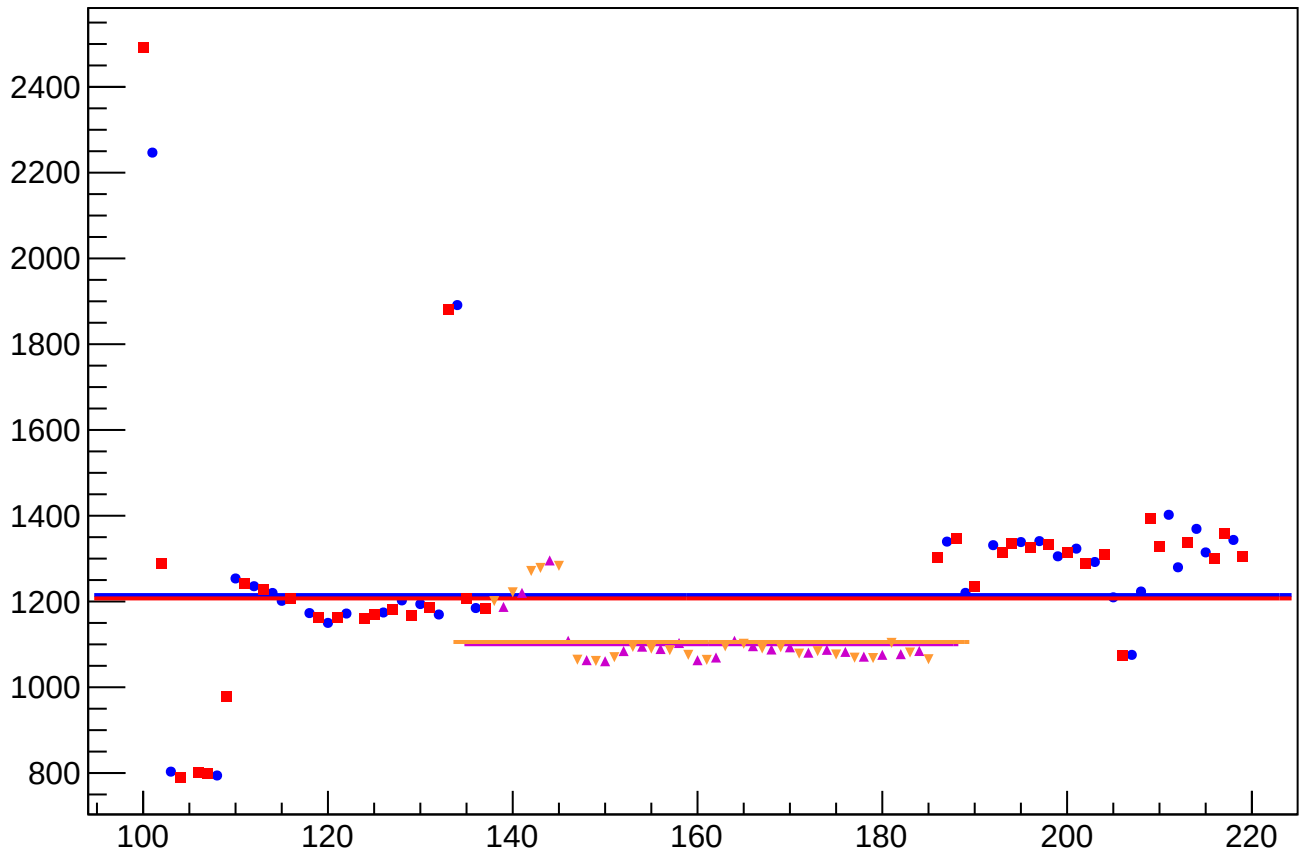
Left In: 411.165 ± 257.201 χ^2/NDF : 13.7/22

+ sign -44.482 ± 185.351 χ^2/NDF : 68.9/56

All: -1.924 ± 130.976 χ^2/NDF : 118.5/115

- sign 40.520 ± 185.105 χ^2/NDF : 49.5/58

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1214.974+/-0.194 χ^2/NDF : 1109409.1/31

Left Out: 1105.549+/-0.178 χ^2/NDF : 121950.0/24

Right Out: 1207.152+/-0.188 χ^2/NDF : 1018539.8/35

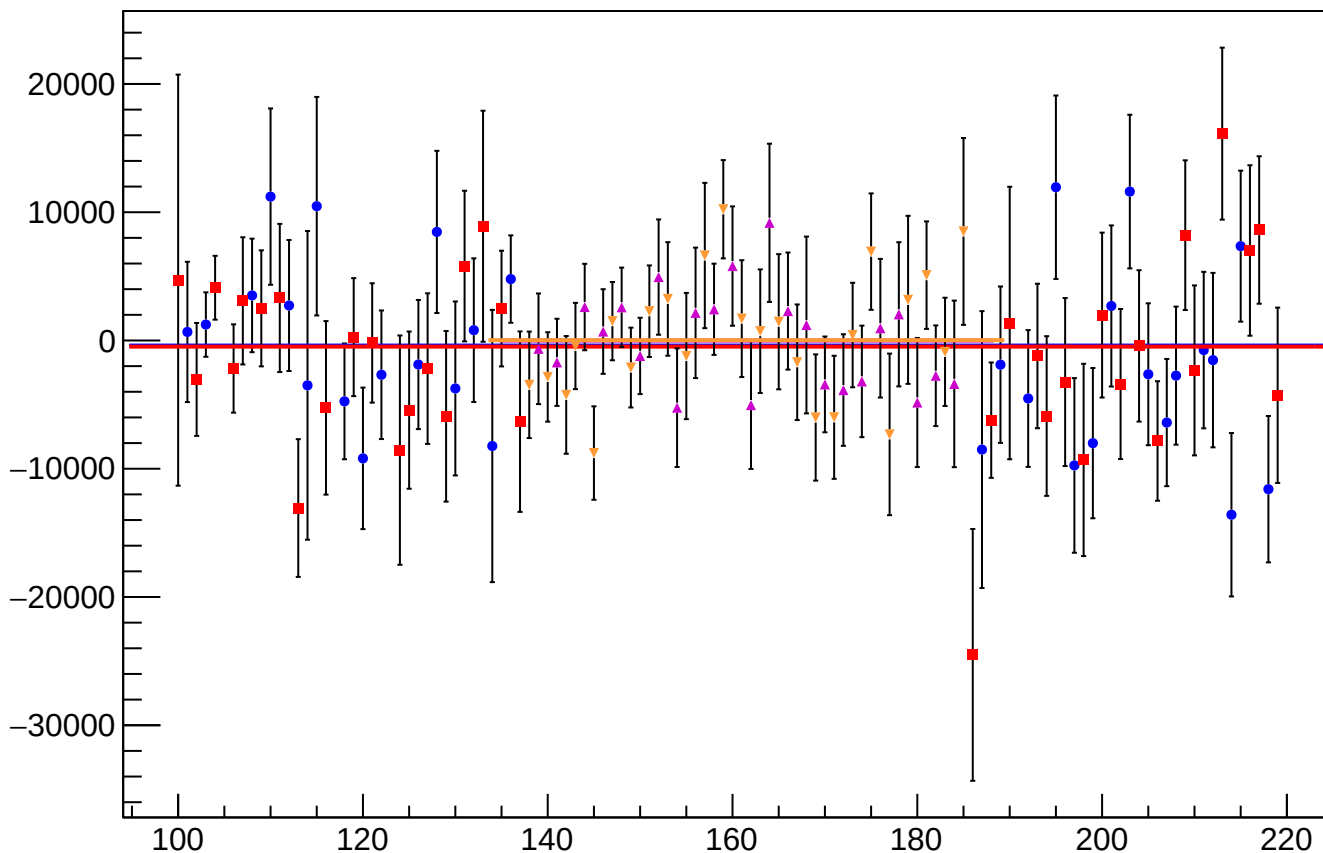
Left In: 1100.350+/-0.182 χ^2/NDF : 80240.5/22

+ sign 1155.558+/-0.131 χ^2/NDF : 1404336.7/56

All: 1153.714+/-0.093 χ^2/NDF : 2669891.4/11

- sign 1151.877+/-0.131 χ^2/NDF : 1265159.5/58

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug



Right In: -396.407+/-956.661 χ^2/NDF : 38.8/31

Left Out: 23.365+/-850.403 χ^2/NDF : 28.5/24

Right Out: -478.649+/-906.728 χ^2/NDF : 42.5/35

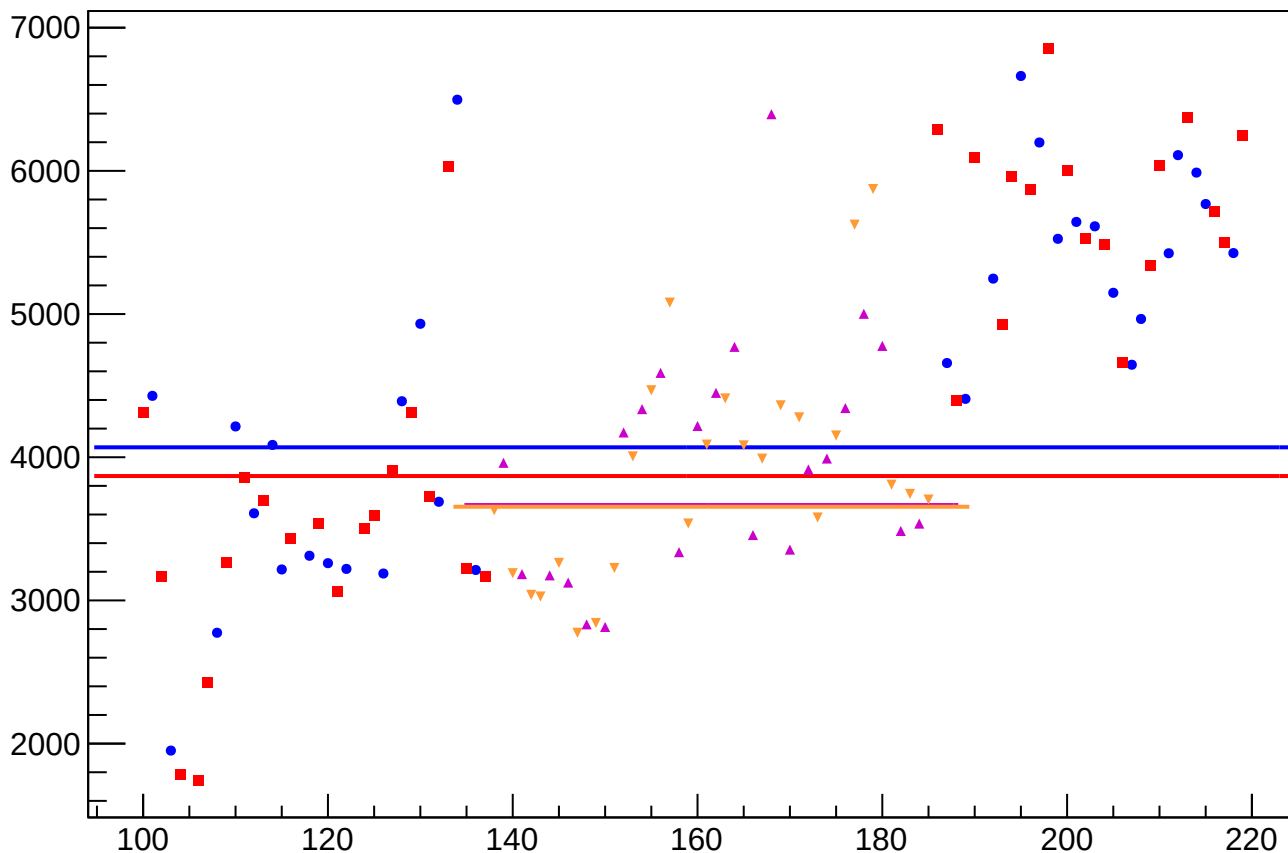
Left In: -6.368+/-875.255 χ^2/NDF : 14.0/22

+ sign -161.923+/-635.587 χ^2/NDF : 67.4/56

All: -198.381+/-447.343 χ^2/NDF : 124.0/115

- sign -234.170+/-629.731 χ^2/NDF : 56.6/58

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 4069.312 $\pm$ 0.676 χ^2 /NDF: 3983197.8/31

Left Out: 3654.195 $\pm$ 0.601 χ^2 /NDF:1311769.4/24

Right Out: 3868.673 $\pm$ 0.641 χ^2 /NDF: 5502499.2/35

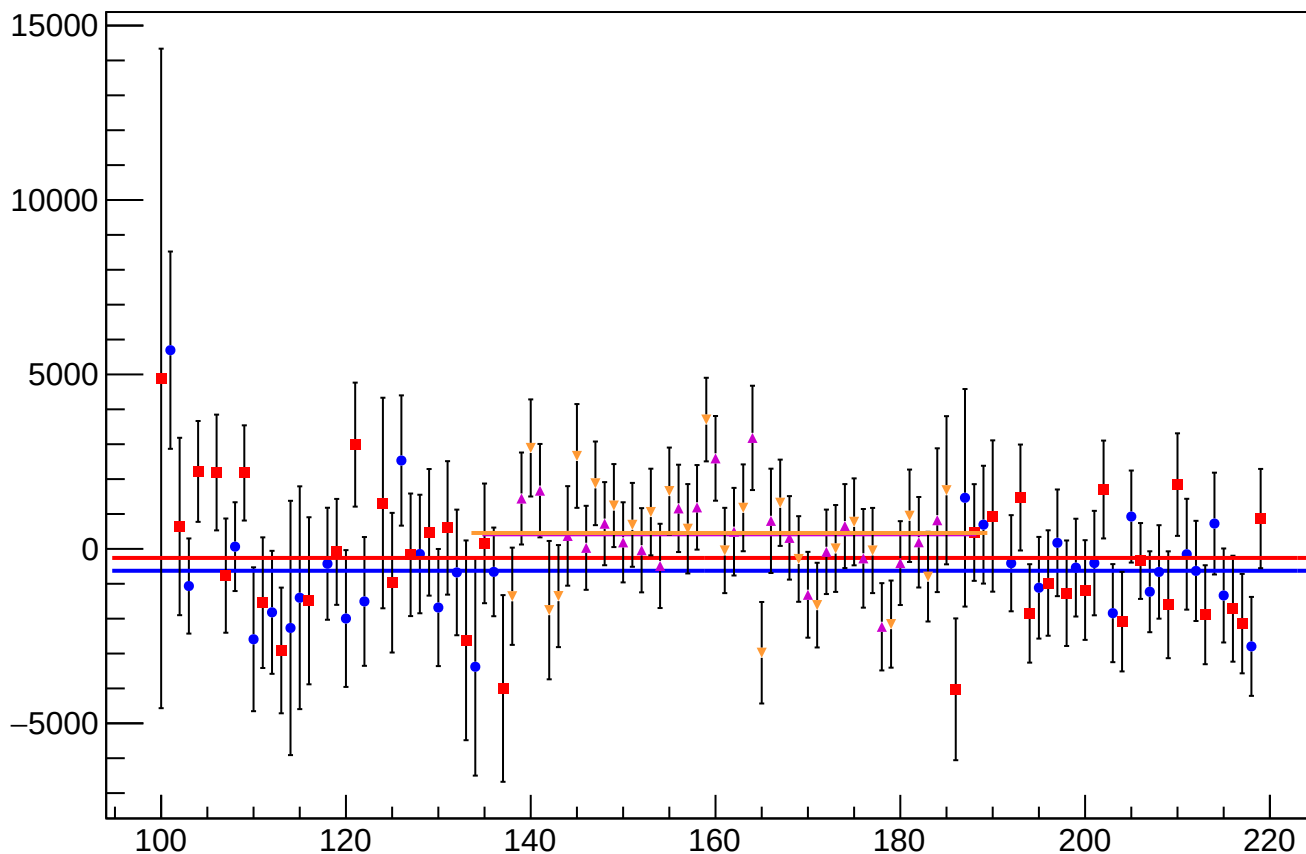
Left In: 3666.114 $\pm$ 0.619 χ^2 /NDF:1343711.6/22

+ sign 3837.428 $\pm$ 0.449 χ^2 /NDF: 5505322.9/56

All: 3800.282 $\pm$ 0.316 χ^2 /NDF: 12416738.6/100

- sign 3763.817 $\pm$ 0.445 χ^2 /NDF: 6897878.3/58

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -627.392 ± 281.864 $\chi^2/\text{NDF}: 19.3/31$

Left Out: 455.711 ± 261.005 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -259.607 ± 274.955 $\chi^2/\text{NDF}: 37.2/35$

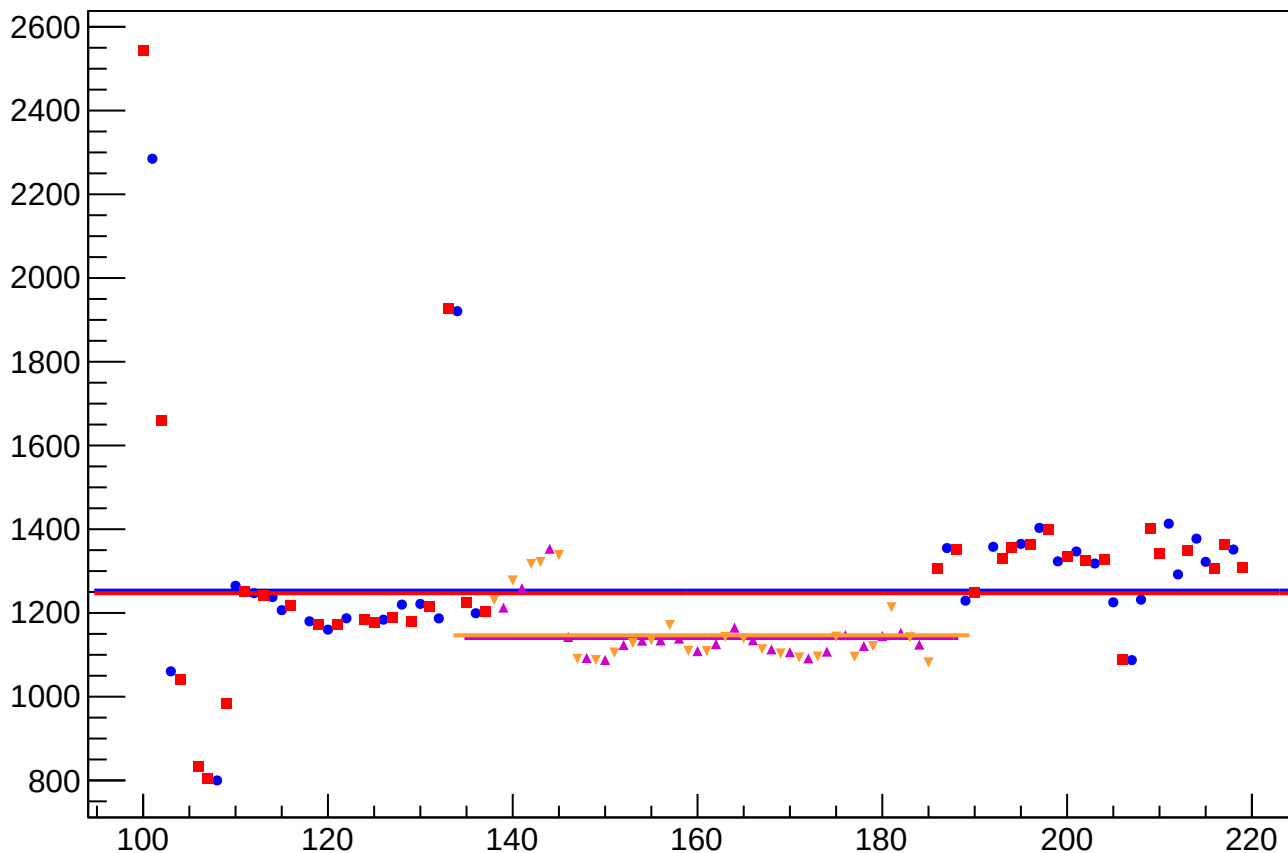
Left In: 417.202 ± 266.582 $\chi^2/\text{NDF}: 17.3/22$

+ sign -44.285 ± 191.509 $\chi^2/\text{NDF}: 63.4/56$

All: 22.527 ± 135.376 $\chi^2/\text{NDF}: 121.4/115$

- sign 89.258 ± 191.394 $\chi^2/\text{NDF}: 57.7/58$

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1253.303 $\pm$ 0.199 χ^2 /NDF: 829317.3/31

Left Out: 1146.614 $\pm$ 0.185 χ^2 /NDF: 141015.8/24

Right Out: 1247.126 $\pm$ 0.194 χ^2 /NDF: 794680.6/35

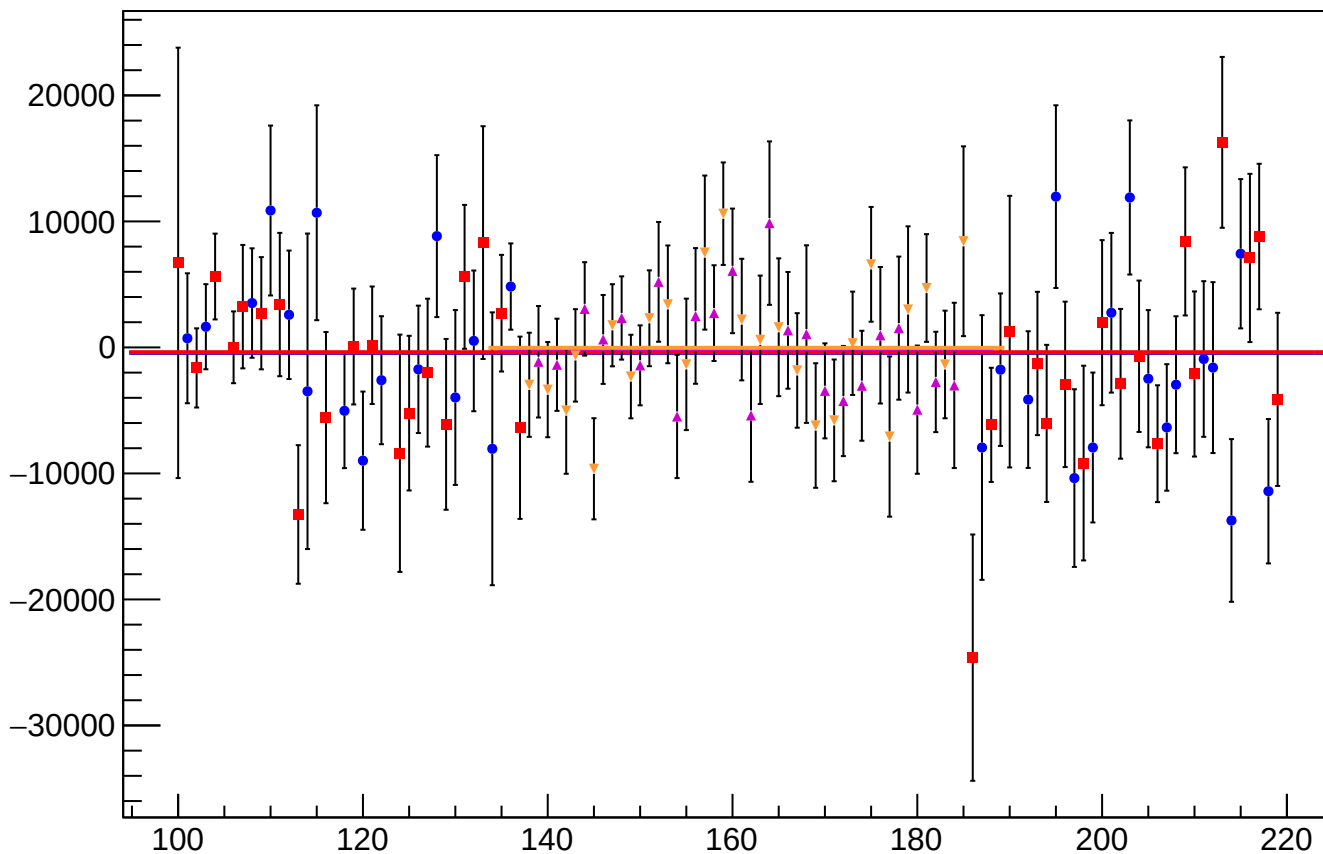
Left In: 1140.168 $\pm$ 0.189 χ^2 /NDF: 84737.4/22

+ sign 1195.865 $\pm$ 0.135 χ^2 /NDF: 1124598.4/56

All: 1193.933 $\pm$ 0.096 χ^2 /NDF: 2160454.0/11

- sign 1192.004 $\pm$ 0.135 χ^2 /NDF: 1035448.9/58

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: -430.899 $\pm$ 991.548 χ^2/NDF : 38.4/31

Left Out: -33.549 $\pm$ 891.370 χ^2/NDF : 27.8/24

Right Out: -381.659 $\pm$ 905.358 χ^2/NDF : 41.5/35

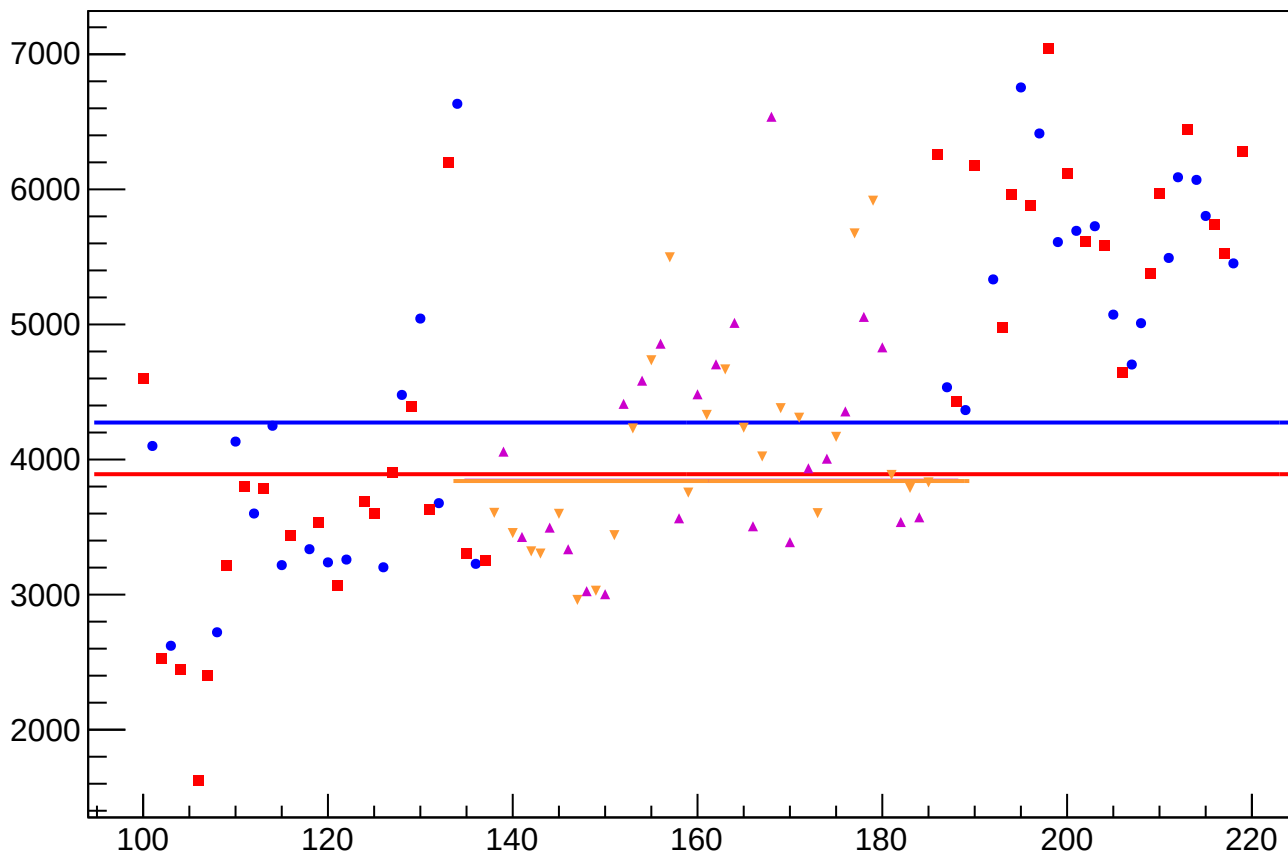
Left In: -121.051 $\pm$ 915.714 χ^2/NDF : 13.8/22

+ sign -211.143 $\pm$ 662.890 χ^2/NDF : 66.3/56

All: -232.599 $\pm$ 461.843 χ^2/NDF : 121.6/115

- sign -252.837 $\pm$ 643.815 χ^2/NDF : 55.4/58

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 4273.937+/-0.701 χ^2/NDF : 2959796.5/31

Left Out: 3840.830+/-0.630 χ^2/NDF : 1118666.6/24

Right Out: 3891.464+/-0.640 χ^2/NDF : 5345042.0/35

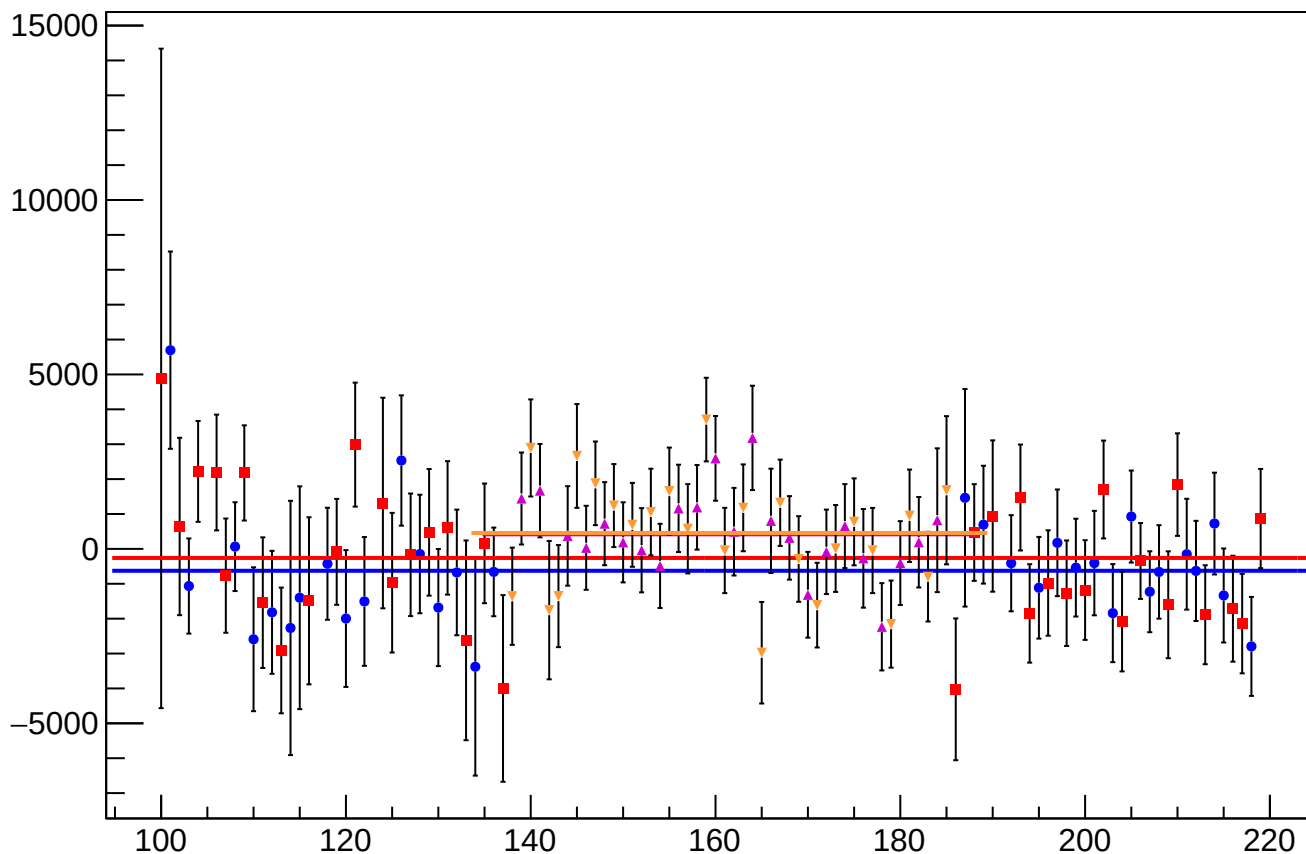
Left In: 3843.328+/-0.648 χ^2/NDF : 1196057.8/22

+ sign 4034.406+/-0.469 χ^2/NDF : 4289500.5/56

All: 3948.604+/-0.327 χ^2/NDF : 10898508.5/100

- sign 3867.670+/-0.455 χ^2/NDF : 6543894.4/58

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -627.386 ± 281.864 χ^2/NDF : 19.3/31

Left Out: 455.716 ± 261.006 χ^2/NDF : 36.1/24

Right Out: -259.607 ± 274.955 χ^2/NDF : 37.2/35

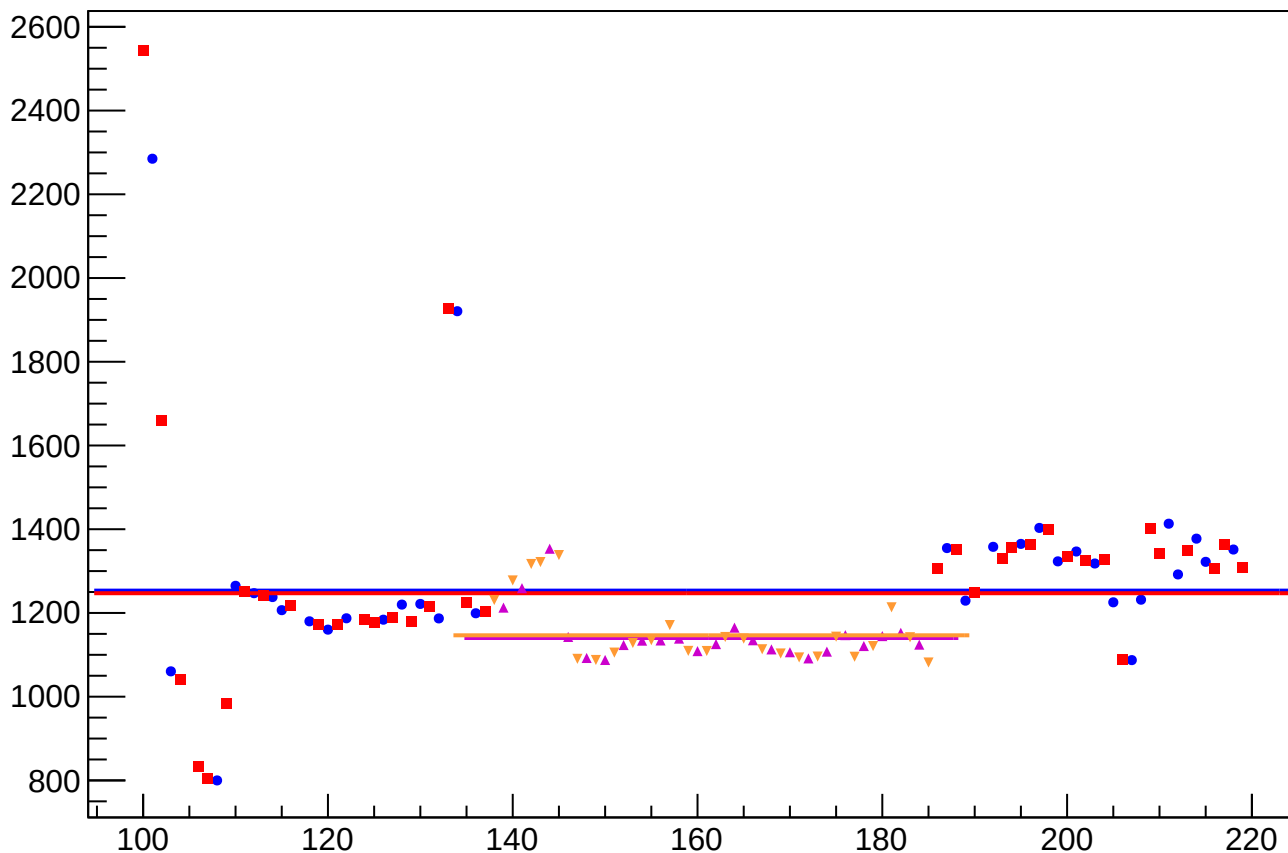
Left In: 417.201 ± 266.583 χ^2/NDF : 17.3/22

+ sign -44.280 ± 191.509 χ^2/NDF : 63.4/56

All: 22.529 ± 135.376 χ^2/NDF : 121.4/115

- sign 89.258 ± 191.394 χ^2/NDF : 57.7/58

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1253.303+/-0.199 χ^2/NDF : 829318.2/31

Left Out: 1146.614+/-0.185 χ^2/NDF : 141015.8/24

Right Out: 1247.126+/-0.194 χ^2/NDF : 794680.0/35

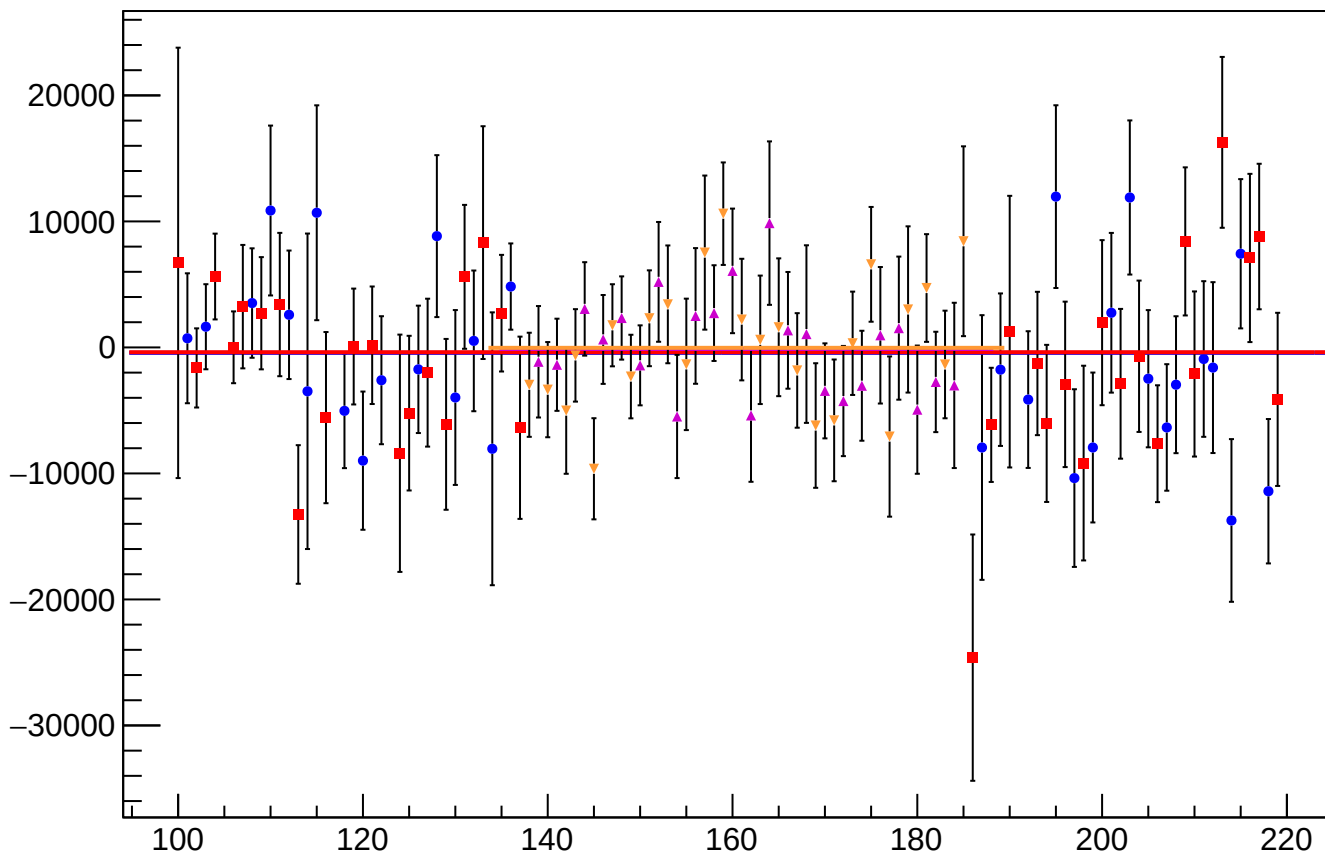
Left In: 1140.169+/-0.189 χ^2/NDF : 84737.2/22

+ sign 1195.865+/-0.135 χ^2/NDF : 1124597.4/56

All: 1193.933+/-0.096 χ^2/NDF : 2160450.4/11

- sign 1192.004+/-0.135 χ^2/NDF : 1035446.3/58

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug



Right In: -430.908 $\pm$ 991.548 χ^2 /NDF: 38.4/31

Left Out: -33.548 $\pm$ 891.372 χ^2 /NDF: 27.8/24

Right Out: -381.654 $\pm$ 905.357 χ^2 /NDF: 41.5/35

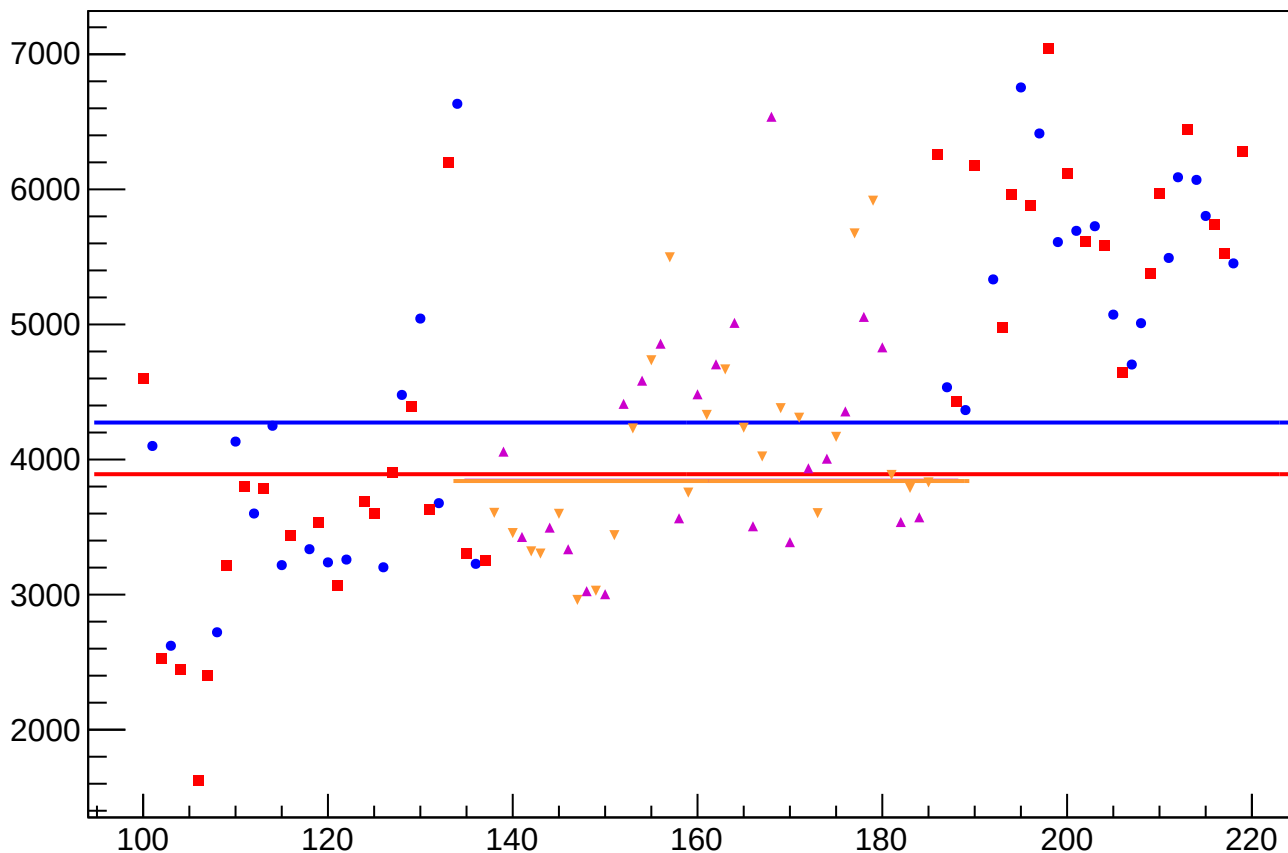
Left In: -121.054 $\pm$ 915.716 χ^2 /NDF: 13.8/22

+ sign -211.147 $\pm$ 662.891 χ^2 /NDF: 66.3/56

All: -232.600 $\pm$ 461.843 χ^2 /NDF: 121.6/115

- sign -252.836 $\pm$ 643.815 χ^2 /NDF: 55.4/58

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 4273.936 $\pm$ 0.701 χ^2/NDF : 2959811.7/31

Left Out: 3840.836 $\pm$ 0.630 χ^2/NDF : 1118668.2/24

Right Out: 3891.460 $\pm$ 0.640 χ^2/NDF : 5345073.8/35

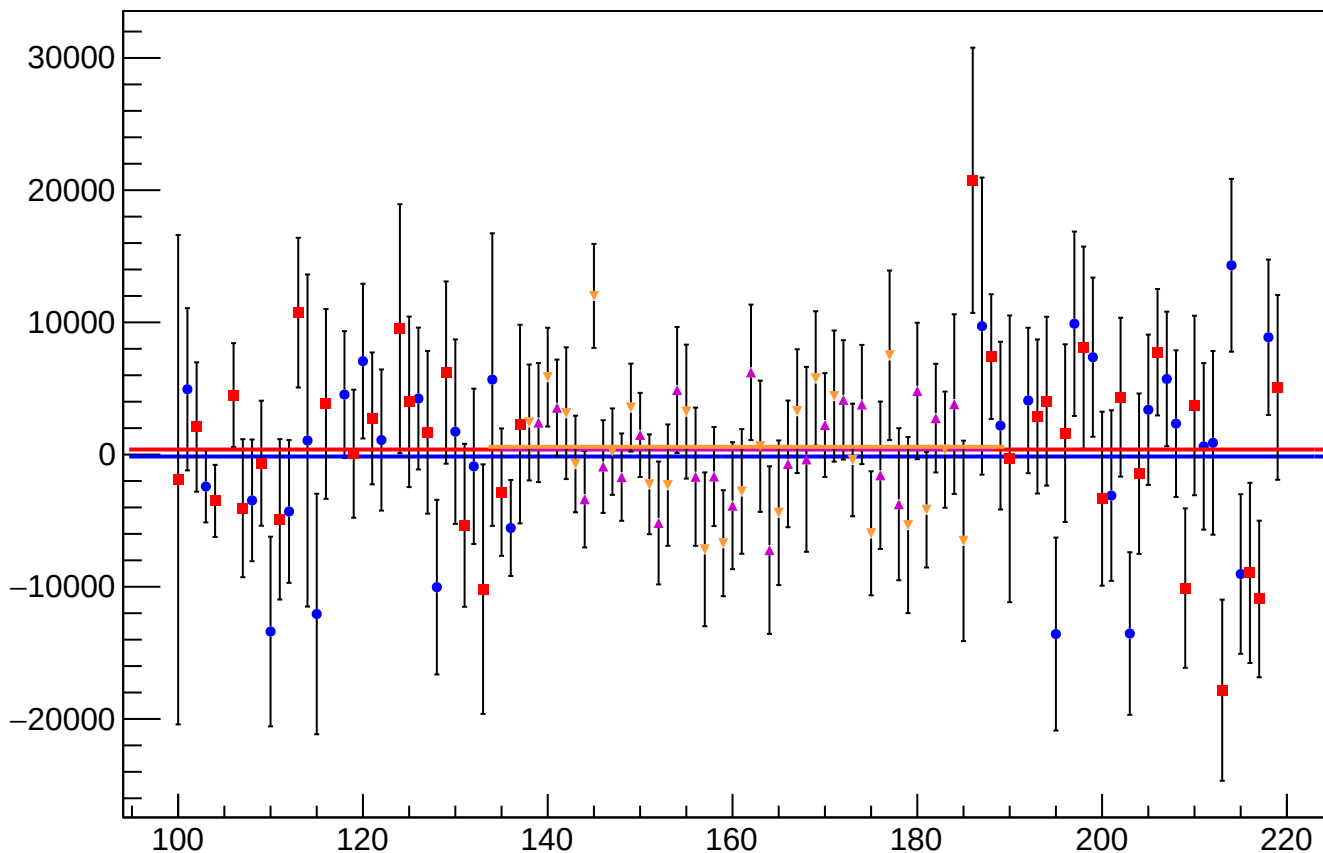
Left In: 3843.333 $\pm$ 0.648 χ^2/NDF : 1196061.6/22

+ sign 4034.409 $\pm$ 0.469 χ^2/NDF : 4289510.5/56

All: 3948.606 $\pm$ 0.327 χ^2/NDF : 10898554.7/100

- sign 3867.670 $\pm$ 0.455 χ^2/NDF : 6543929.1/58

asym_usr_atr2_dd_mean vs Slug



Right In: -146.801 ± 1004.521 χ^2/NDF : 40.5/31

Left Out: 583.278 ± 894.900 χ^2/NDF : 27.4/24

Right Out: 381.368 ± 959.440 χ^2/NDF : 40.6/35

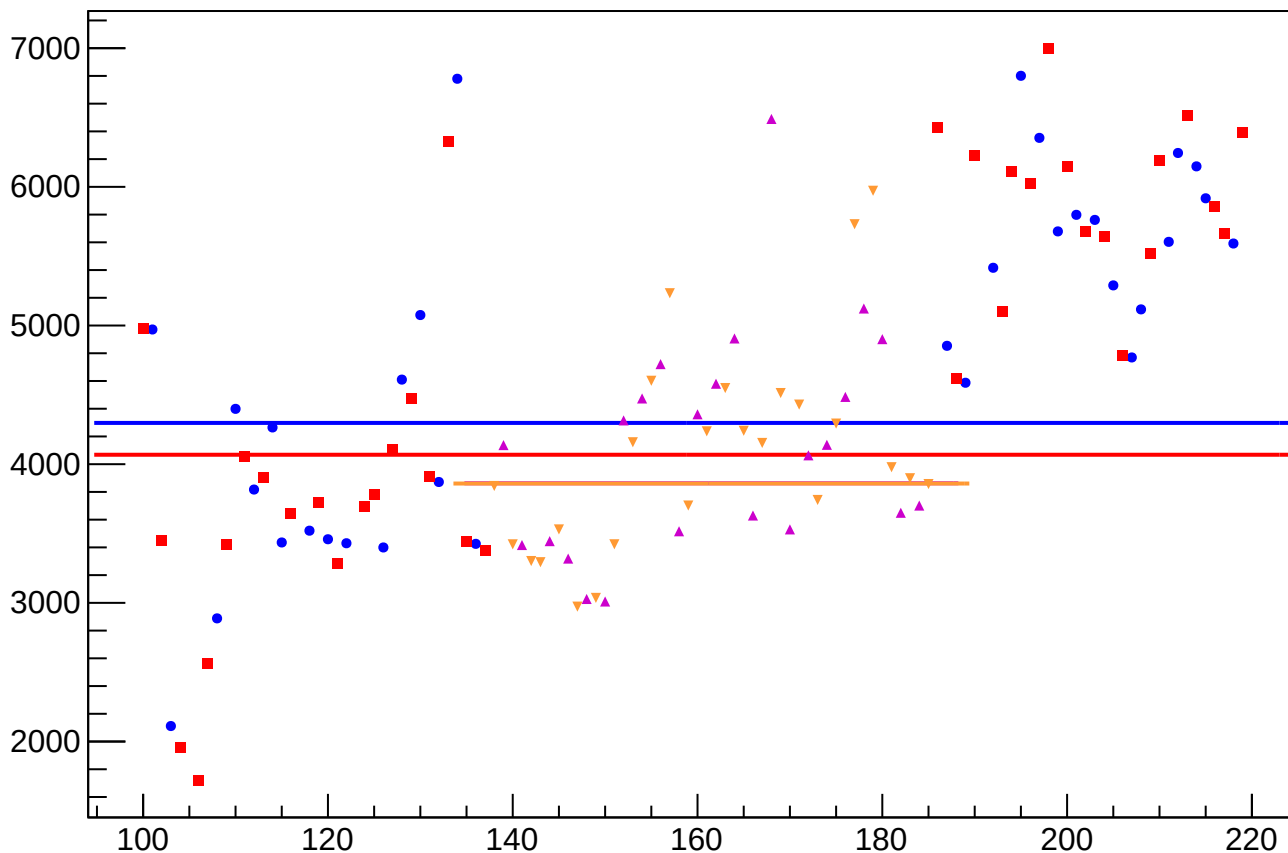
Left In: 416.803 ± 919.006 χ^2/NDF : 12.5/22

+ sign 260.234 ± 668.198 χ^2/NDF : 68.2/56

All: 330.516 ± 470.878 χ^2/NDF : 121.4/115

- sign 399.848 ± 663.670 χ^2/NDF : 53.1/58

asym_usr_atr2_dd_rms vs Slug



Right In: 4297.671 $\pm$ 0.710 χ^2 /NDF: 3590767.7/31

Left Out: 3860.536 $\pm$ 0.633 χ^2 /NDF:1097292.6/24

Right Out: 4068.099 $\pm$ 0.671 χ^2 /NDF: 5197265.0/35

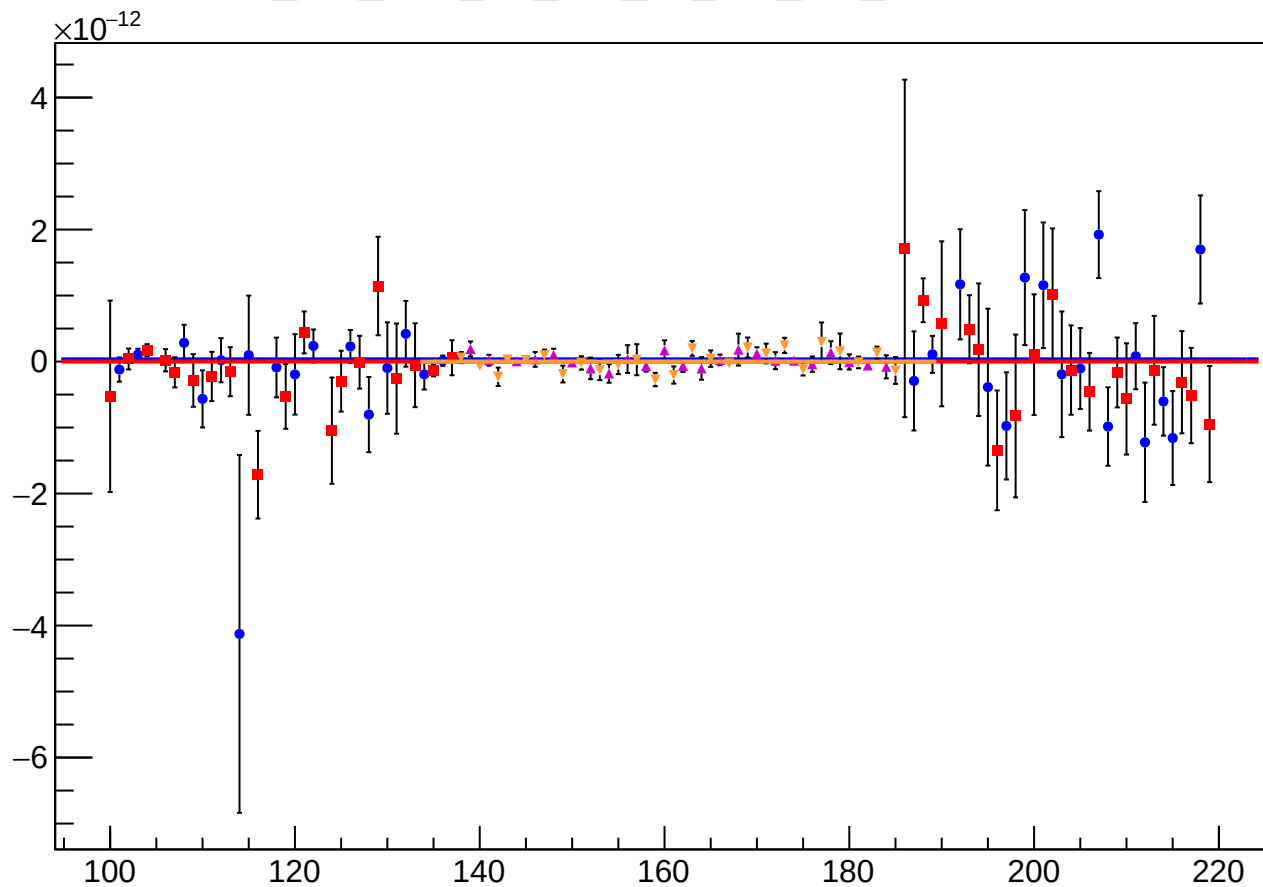
Left In: 3862.339 $\pm$ 0.650 χ^2 /NDF:1142179.8/22

+ sign 4053.959 $\pm$ 0.472 χ^2 /NDF: 4899216.6/56

All: 4007.368 $\pm$ 0.332 χ^2 /NDF: 11306376.0/100

- sign 3961.865 $\pm$ 0.467 χ^2 /NDF: 6387939.1/58

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 40.2/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 34.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 38.1/35

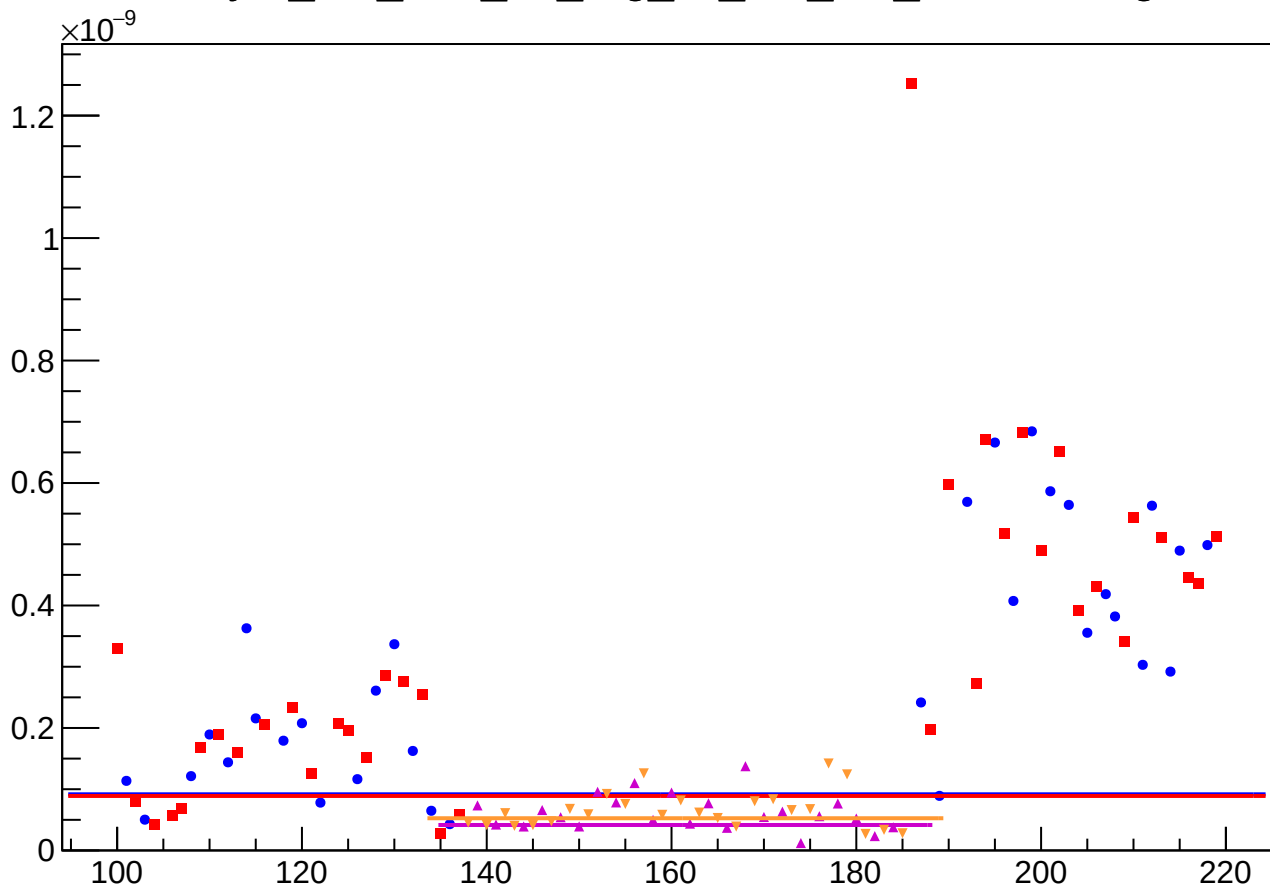
Left In: 0.000 ± 0.000 χ^2/NDF : 12.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 74.9/56

All: 0.000 ± 0.000 χ^2/NDF : 125.8/115

- sign 0.000 ± 0.000 χ^2/NDF : 50.9/58

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9012625.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10577034.3/35

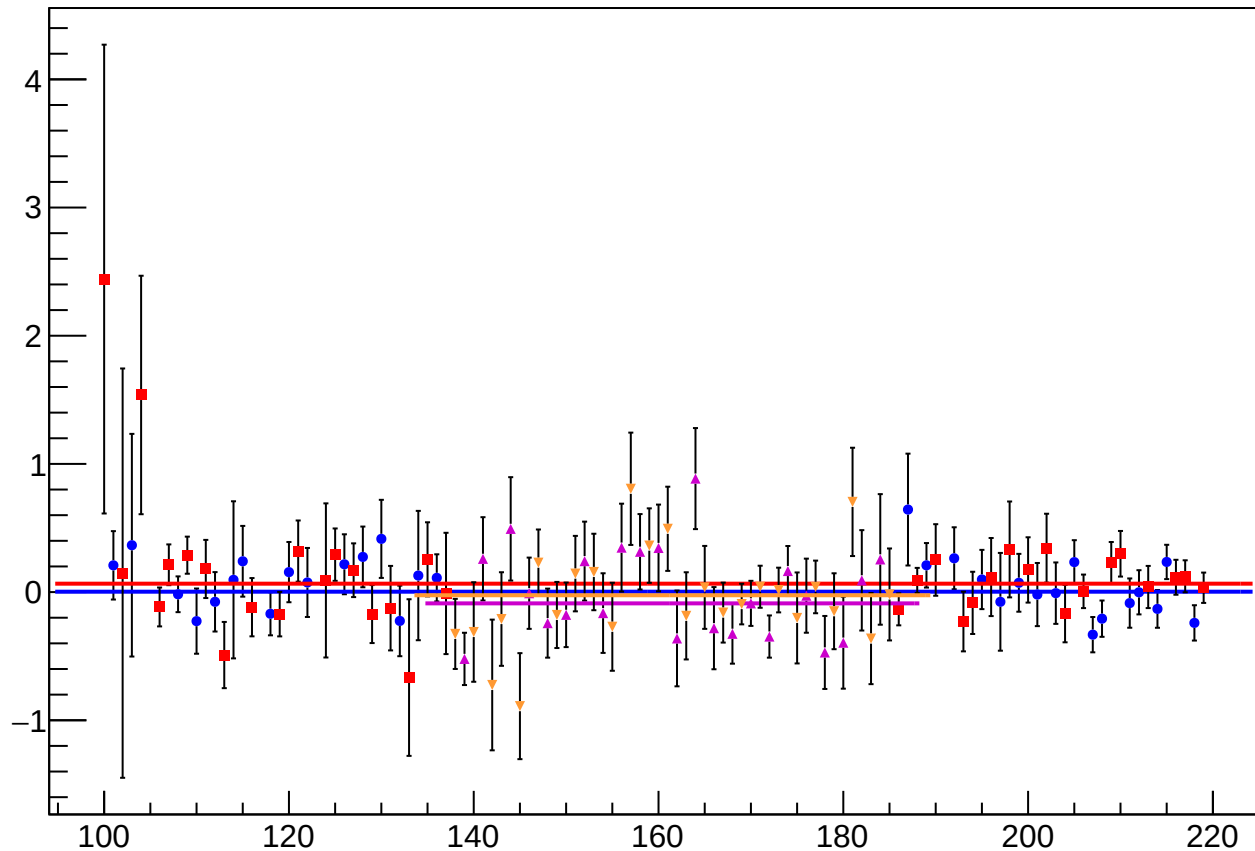
Left In: 0.000+/-0.000 χ^2/NDF : 2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 11781820.8/56

All: 0.000+/-0.000 χ^2/NDF : 27345842.7/115

- sign 0.000+/-0.000 χ^2/NDF : 15220971.0/58

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.036 χ^2/NDF : 31.3/31

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.066 ± 0.032 χ^2/NDF : 33.5/35

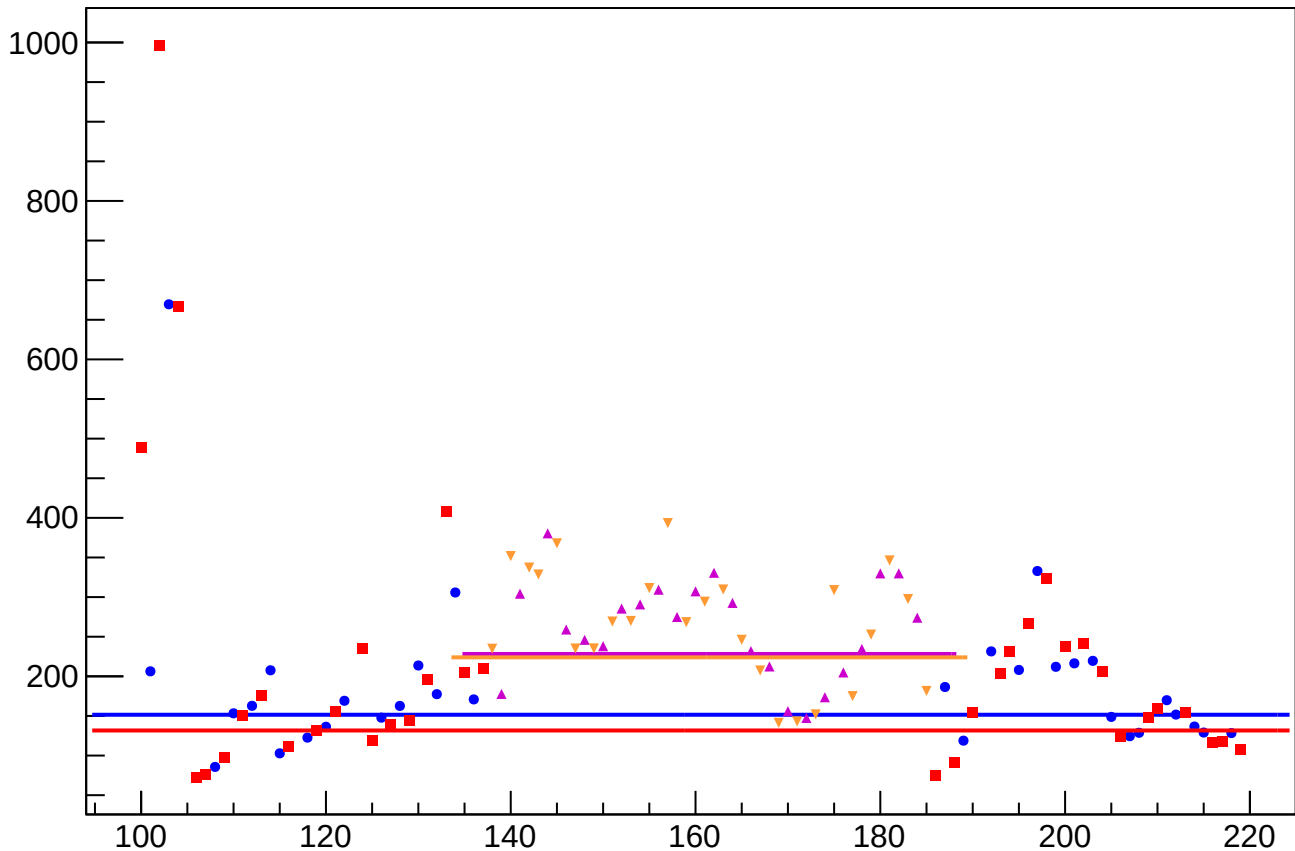
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign -0.005 ± 0.030 χ^2/NDF : 55.5/56

All: 0.013 ± 0.020 χ^2/NDF : 125.3/115

- sign 0.028 ± 0.028 χ^2/NDF : 69.1/58

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 151.500 $\pm$ 0.026 χ^2 /NDF: 3315376.2/31

Left Out: 223.945 $\pm$ 0.039 χ^2 /NDF:3438444.8/24

Right Out: 131.646 $\pm$ 0.023 χ^2 /NDF: 6220879.1/35

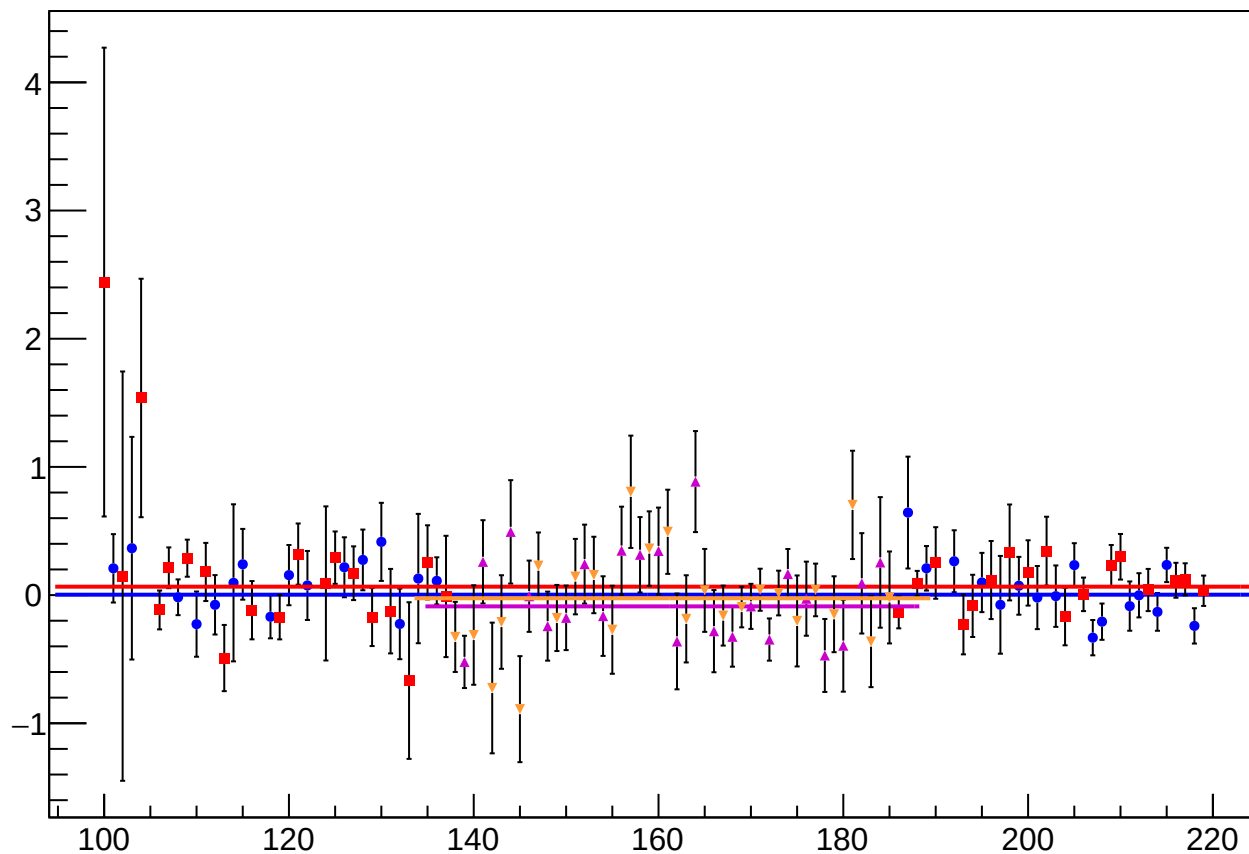
Left In: 228.199 $\pm$ 0.040 χ^2 /NDF:2488915.3/22

+ sign 173.596 $\pm$ 0.021 χ^2 /NDF: 9200867.4/56

All: 163.617 $\pm$ 0.014 χ^2 /NDF: 22716533.7/1

- sign 155.070 $\pm$ 0.020 χ^2 /NDF: 13108996.3/58

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.036 χ^2/NDF : 31.3/31

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.066 ± 0.032 χ^2/NDF : 33.5/35

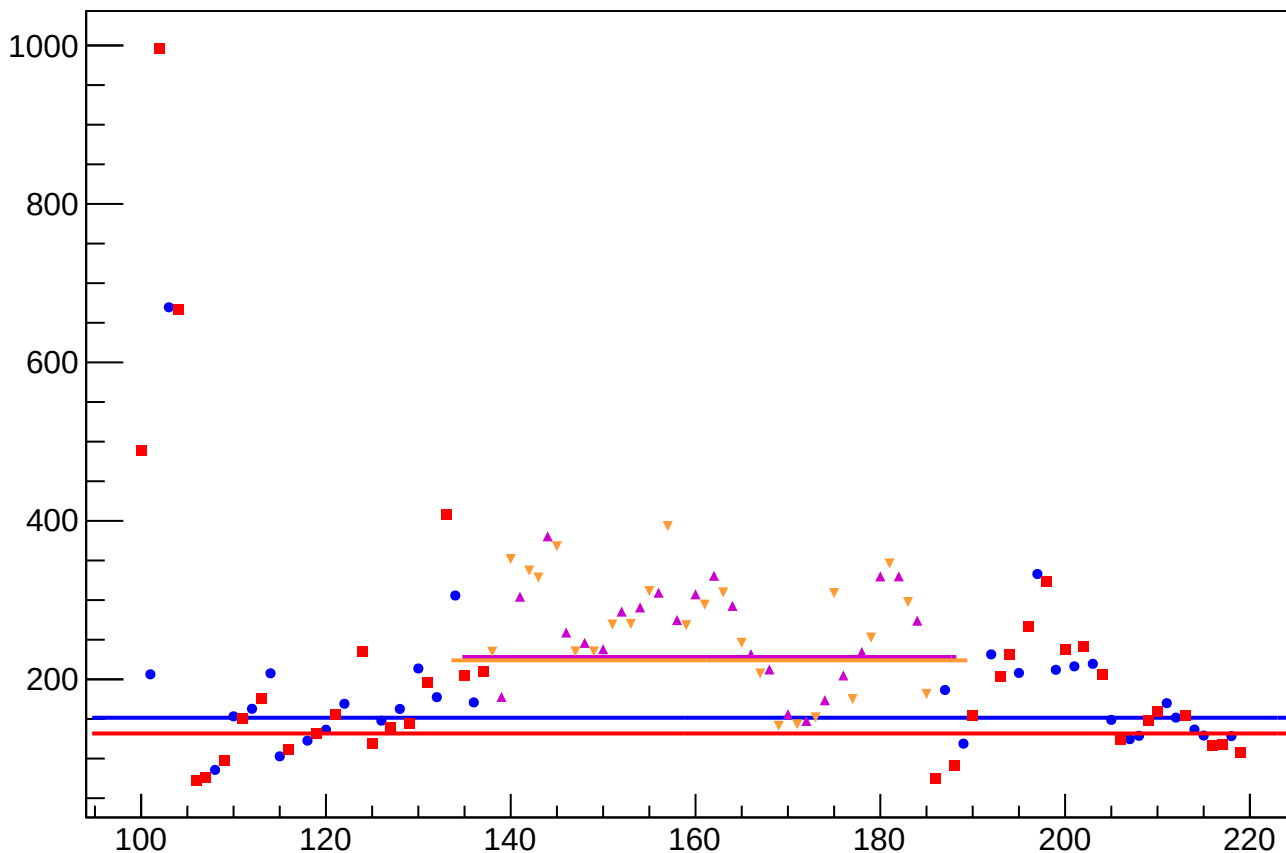
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign -0.005 ± 0.030 χ^2/NDF : 55.5/56

All: 0.013 ± 0.020 χ^2/NDF : 125.3/115

- sign 0.028 ± 0.028 χ^2/NDF : 69.1/58

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 151.500 $\pm$ 0.026 χ^2 /NDF: 3315376.2/31

Left Out: 223.945 $\pm$ 0.039 χ^2 /NDF: 3438444.8/24

Right Out: 131.646 $\pm$ 0.023 χ^2 /NDF: 6220879.1/35

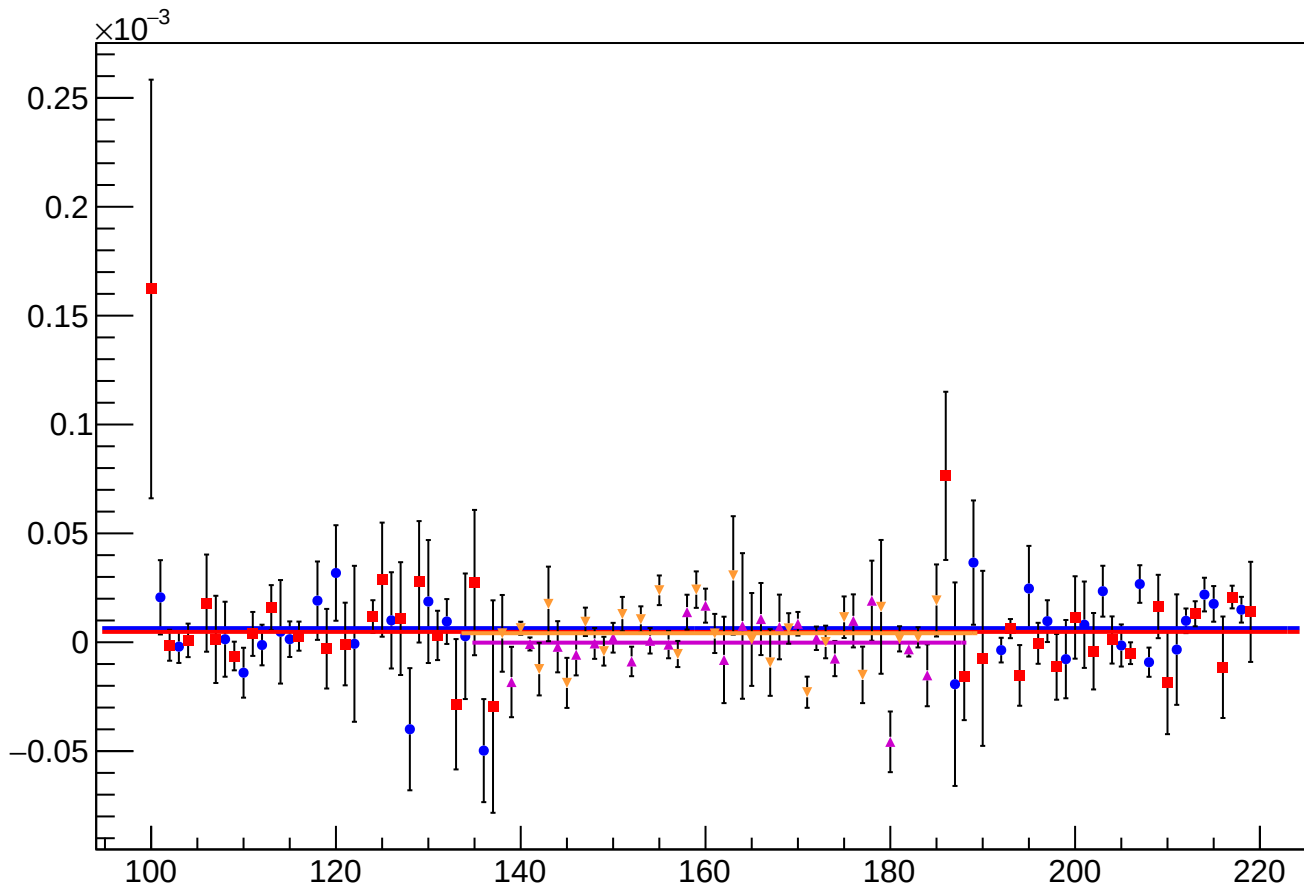
Left In: 228.199 $\pm$ 0.040 χ^2 /NDF: 2488915.3/22

+ sign 173.596 $\pm$ 0.021 χ^2 /NDF: 9200867.4/56

All: 163.617 $\pm$ 0.014 χ^2 /NDF: 22716533.7/1

- sign 155.070 $\pm$ 0.020 χ^2 /NDF: 13108996.3/58

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 45.2/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 48.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.4/35

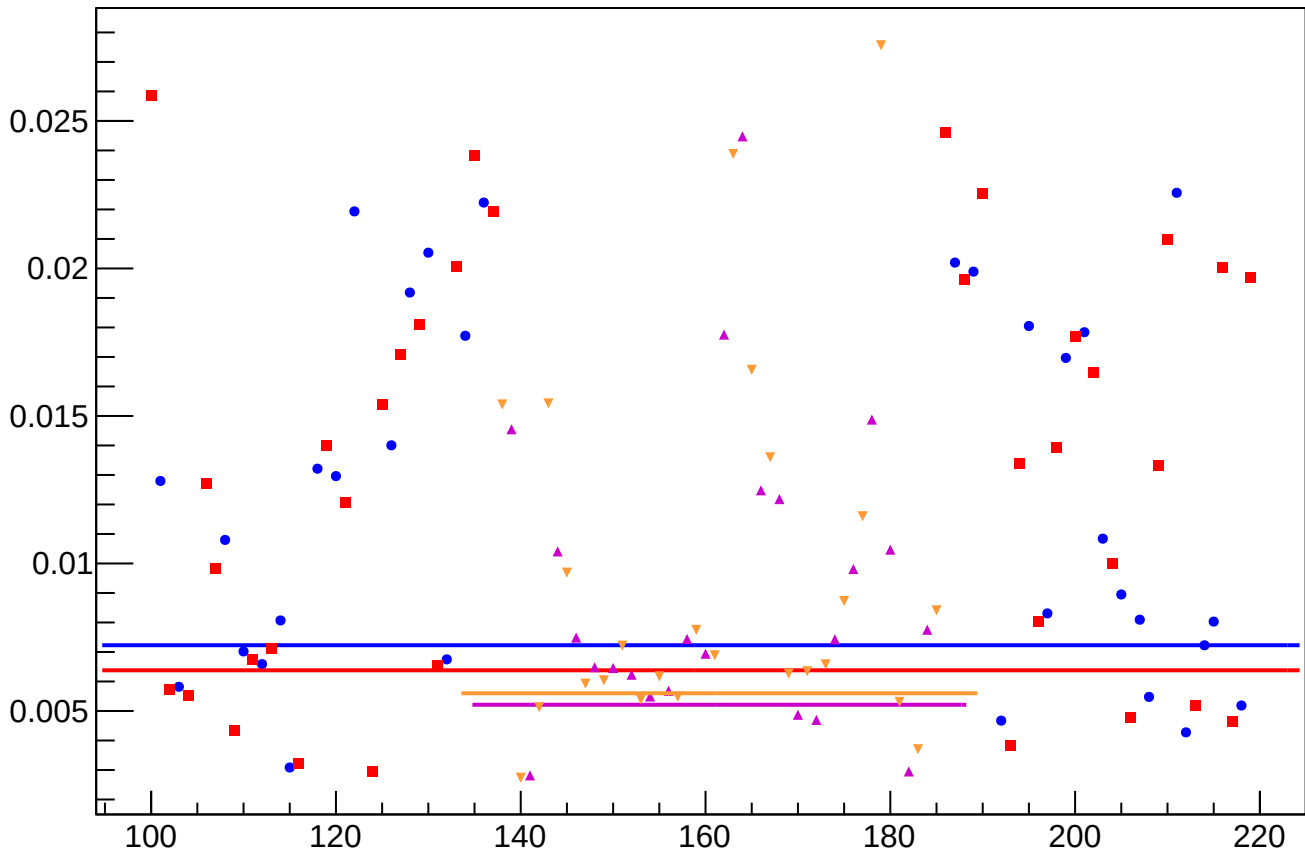
Left In: -0.000 ± 0.000 χ^2/NDF : 30.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 95.0/56

All: 0.000 ± 0.000 χ^2/NDF : 173.4/115

- sign 0.000 ± 0.000 χ^2/NDF : 74.5/58

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 8355645.2/31

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 7769287.5/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 12122411.8/35

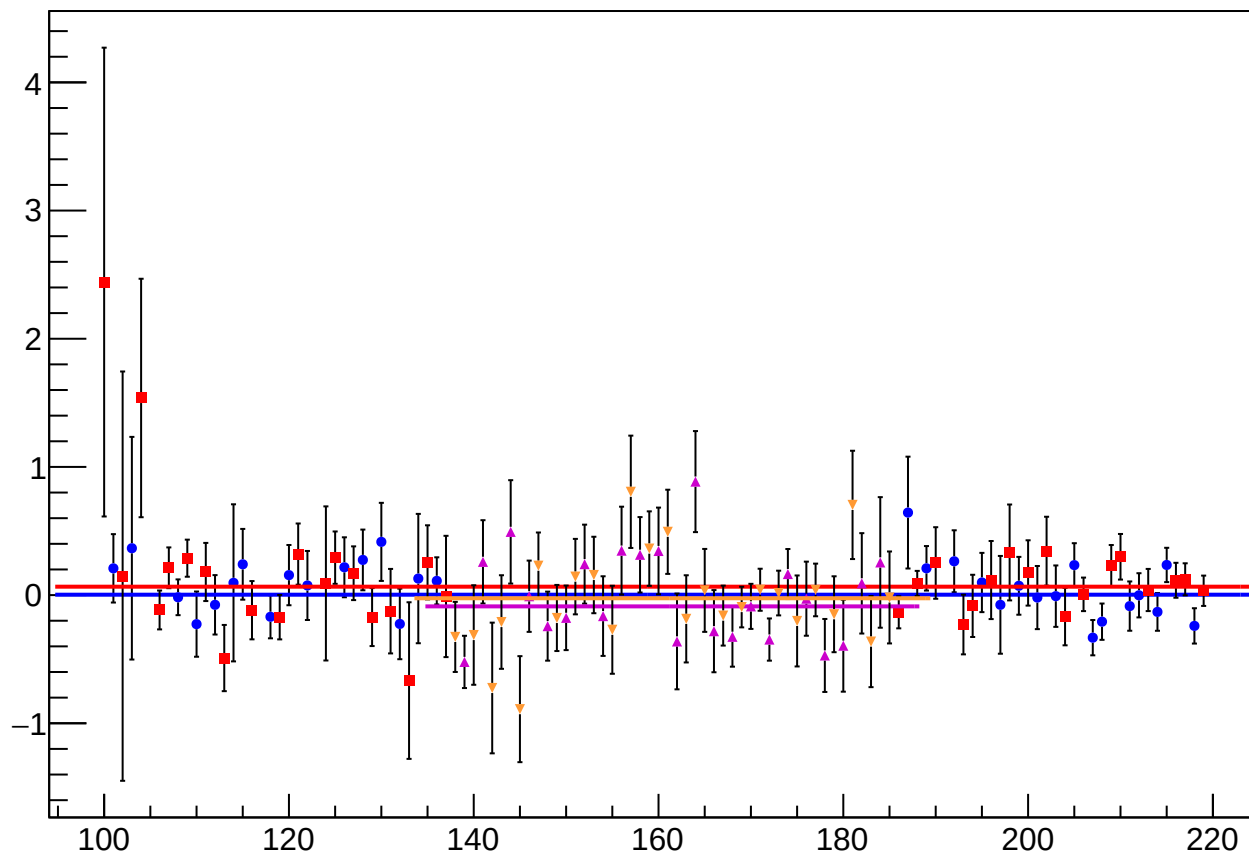
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 7460452.2/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 17054940.2/56

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 37406503.8/115

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 20141266.5/58

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.036 χ^2/NDF : 31.3/31

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.066 ± 0.032 χ^2/NDF : 33.5/35

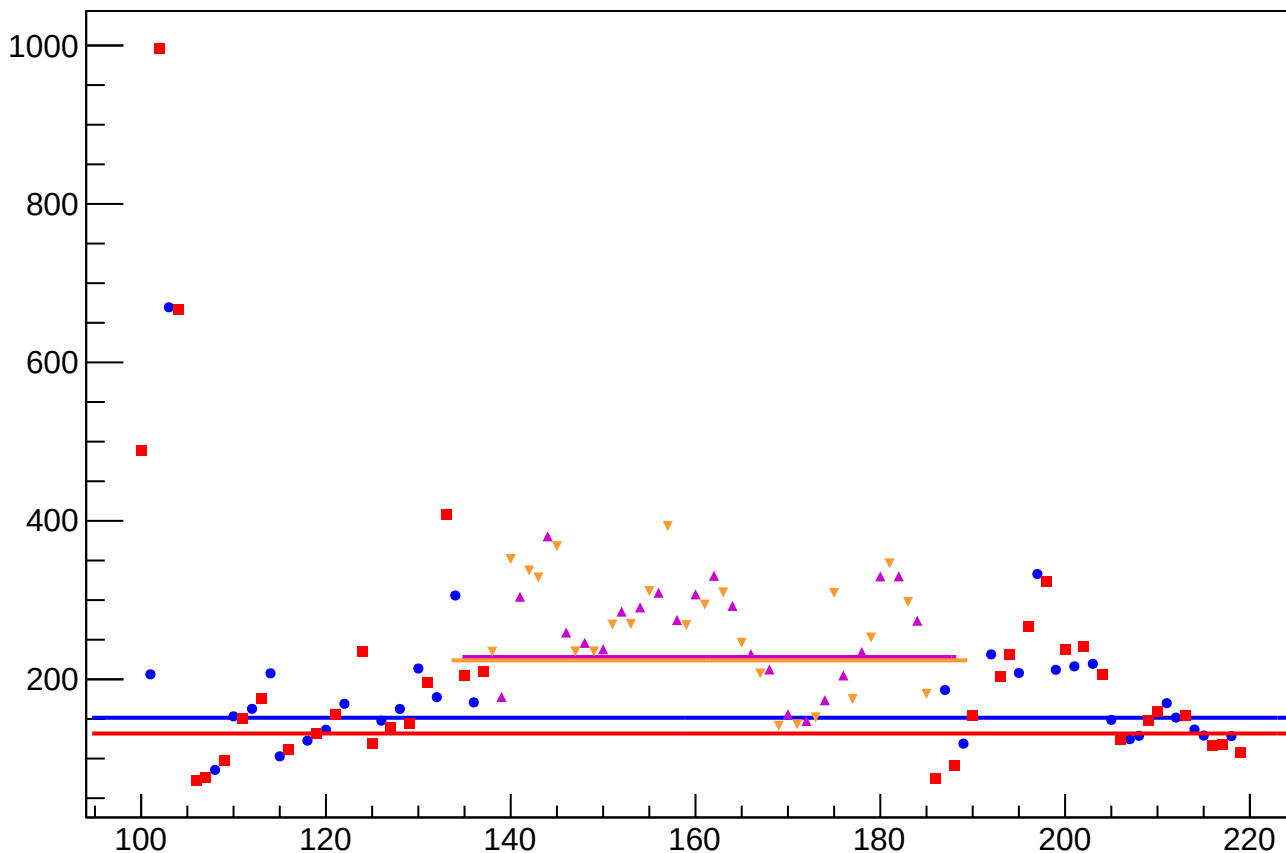
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign -0.005 ± 0.030 χ^2/NDF : 55.5/56

All: 0.013 ± 0.020 χ^2/NDF : 125.3/115

- sign 0.028 ± 0.028 χ^2/NDF : 69.1/58

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 151.498 $\pm$ 0.026 χ^2 /NDF: 3315541.0/31

Left Out: 223.946 $\pm$ 0.039 χ^2 /NDF:3438541.7/24

Right Out: 131.649 $\pm$ 0.023 χ^2 /NDF: 6220348.0/35

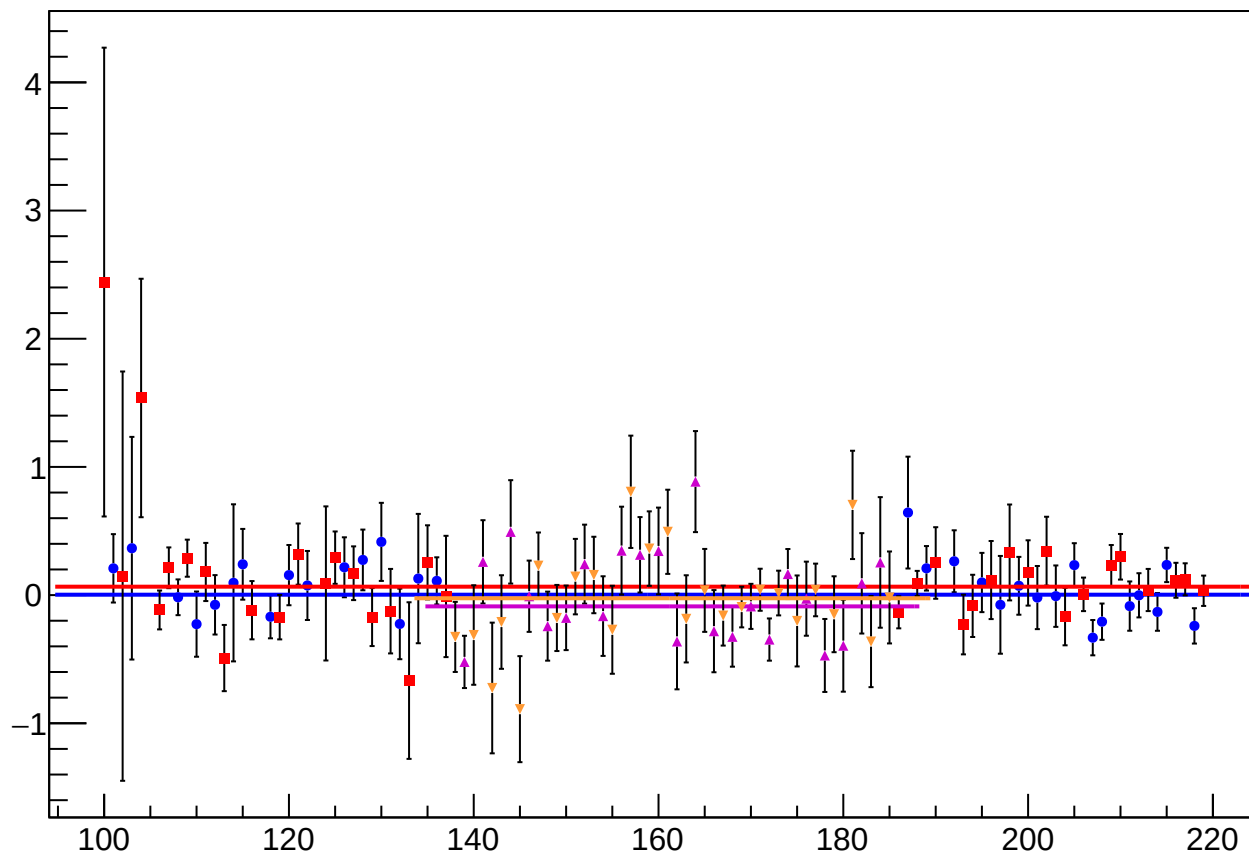
Left In: 228.201 $\pm$ 0.040 χ^2 /NDF:2488951.6/22

+ sign 173.595 $\pm$ 0.021 χ^2 /NDF: 9201349.5/56

All: 163.618 $\pm$ 0.014 χ^2 /NDF: 22716079.9/11

- sign 155.073 $\pm$ 0.020 χ^2 /NDF: 13108270.9/58

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.036 χ^2/NDF : 31.3/31

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.066 ± 0.032 χ^2/NDF : 33.5/35

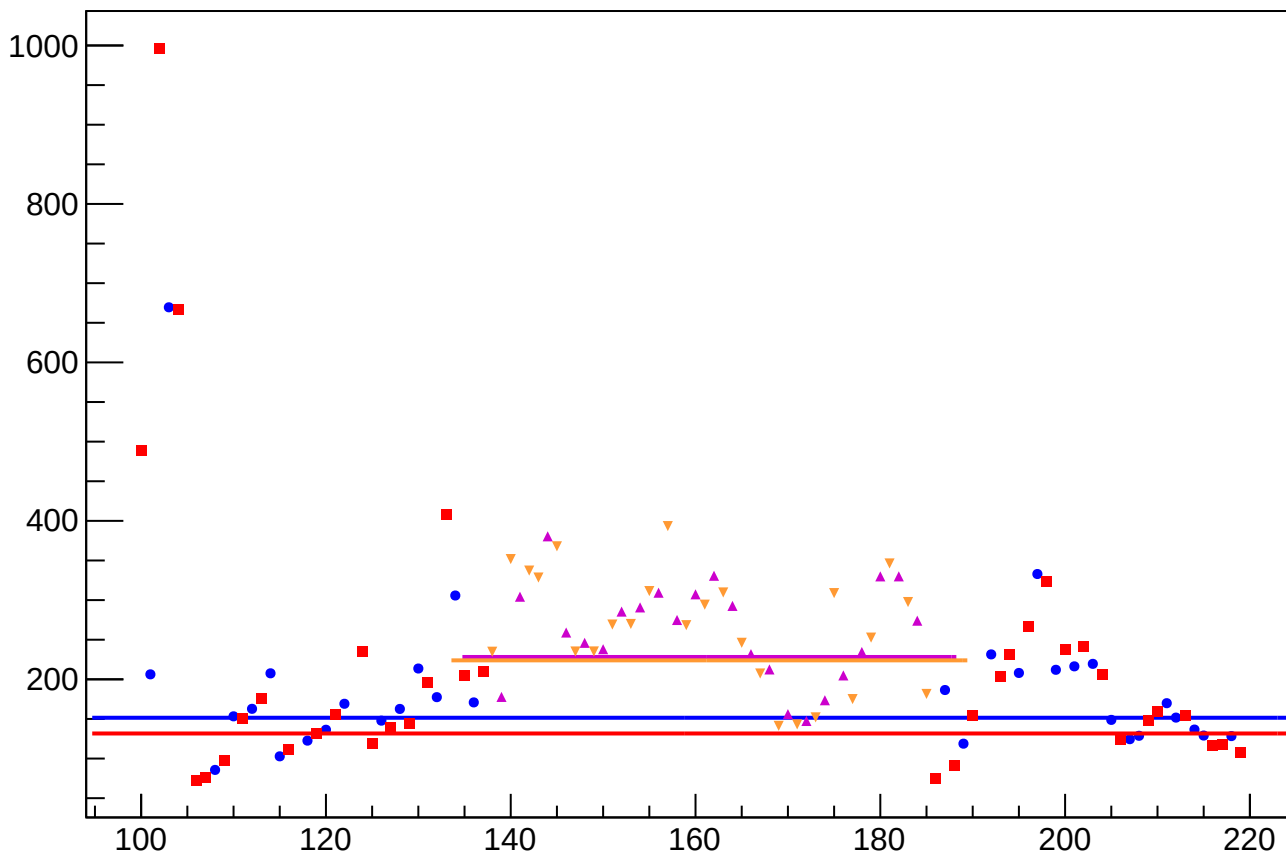
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign -0.005 ± 0.030 χ^2/NDF : 55.5/56

All: 0.013 ± 0.020 χ^2/NDF : 125.3/115

- sign 0.028 ± 0.028 χ^2/NDF : 69.1/58

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 151.498 $\pm$ 0.026 χ^2 /NDF: 3315541.0/31

Left Out: 223.946 $\pm$ 0.039 χ^2 /NDF:3438541.7/24

Right Out: 131.649 $\pm$ 0.023 χ^2 /NDF: 6220348.0/35

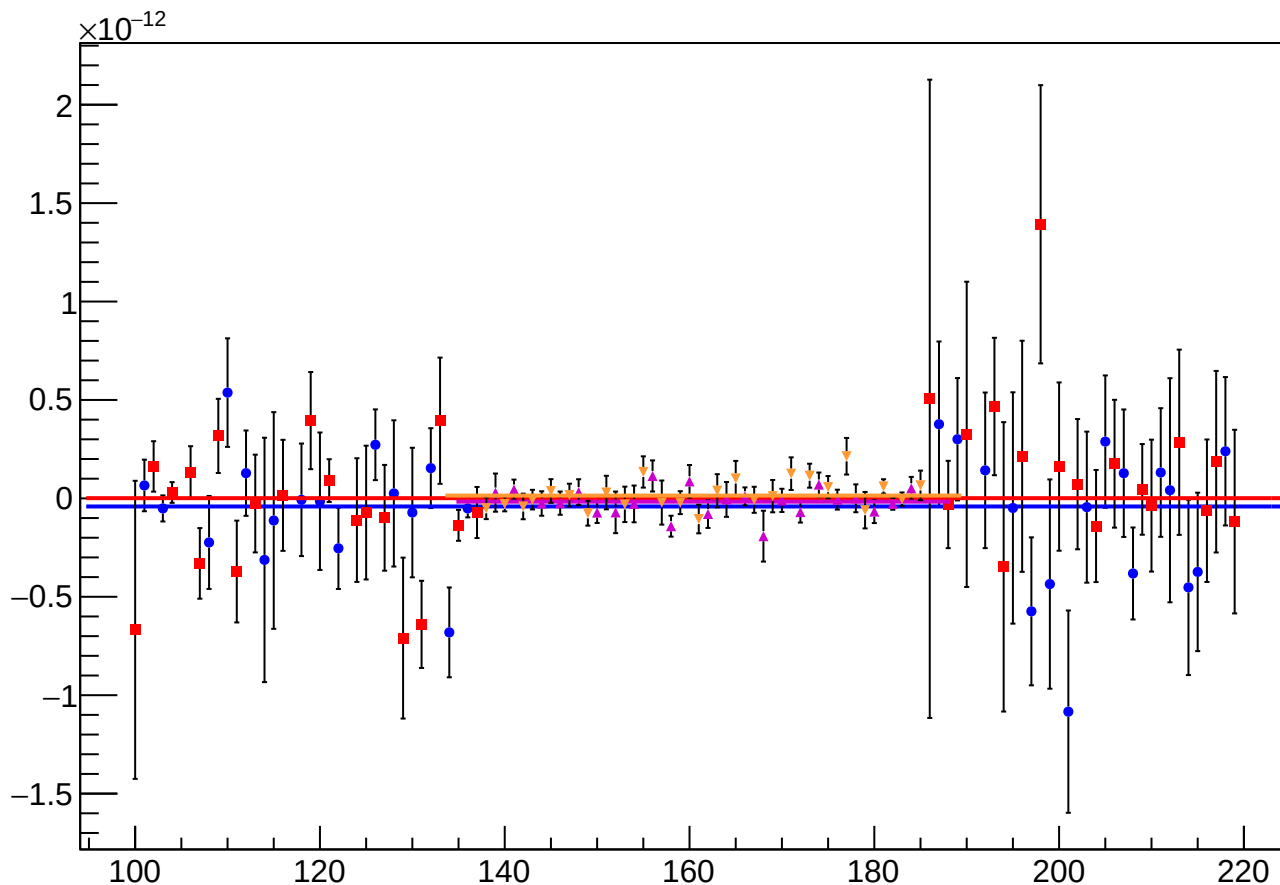
Left In: 228.201 $\pm$ 0.040 χ^2 /NDF:2488951.6/22

+ sign 173.595 $\pm$ 0.021 χ^2 /NDF: 9201349.5/56

All: 163.618 $\pm$ 0.014 χ^2 /NDF: 22716079.9/13

- sign 155.073 $\pm$ 0.020 χ^2 /NDF: 13108270.9/58

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 34.3/31

Left Out: 0.000+/-0.000 χ^2/NDF : 25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 39.6/35

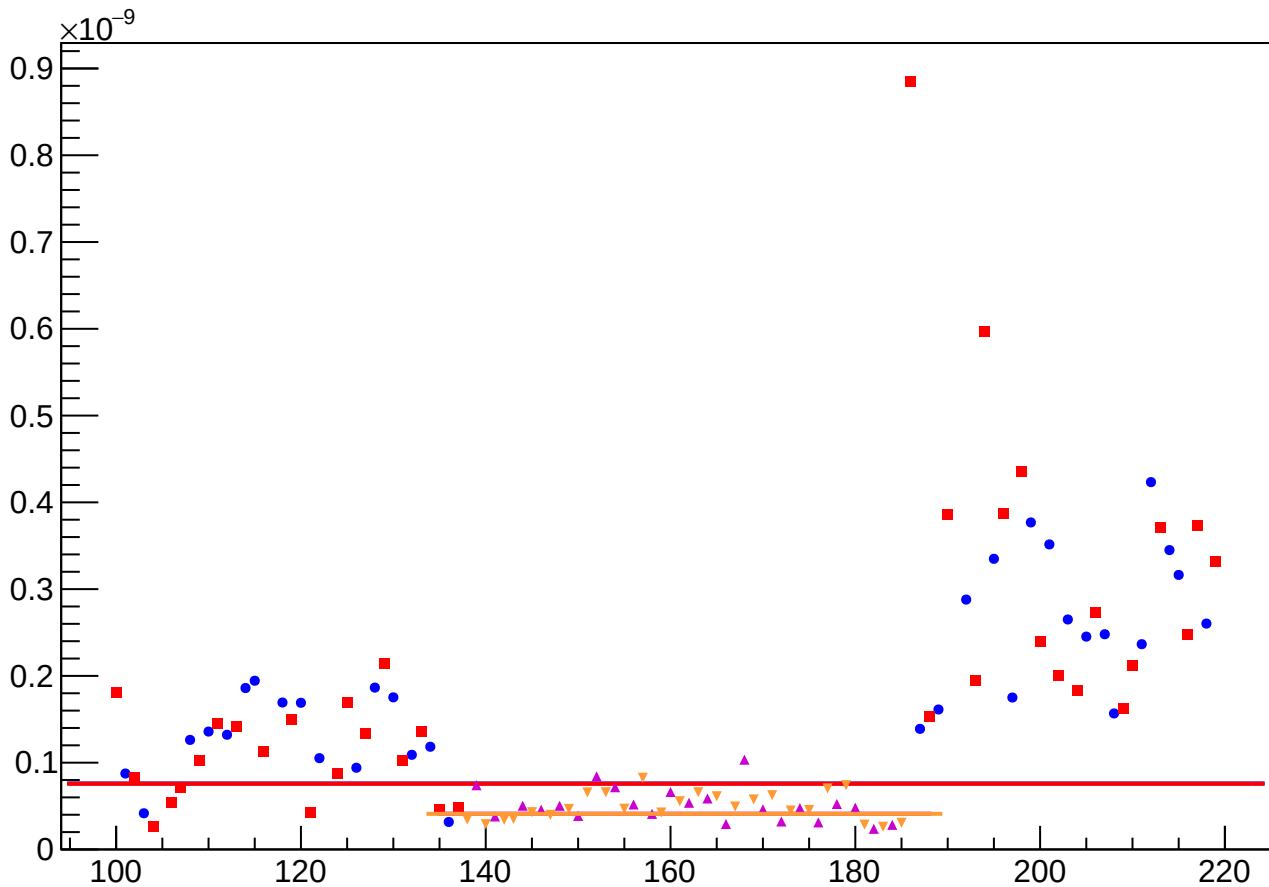
Left In: -0.000+/-0.000 χ^2/NDF : 21.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 62.5/56

All: -0.000+/-0.000 χ^2/NDF : 125.8/115

- sign -0.000+/-0.000 χ^2/NDF : 61.6/58

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11294165.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11774226.5/35

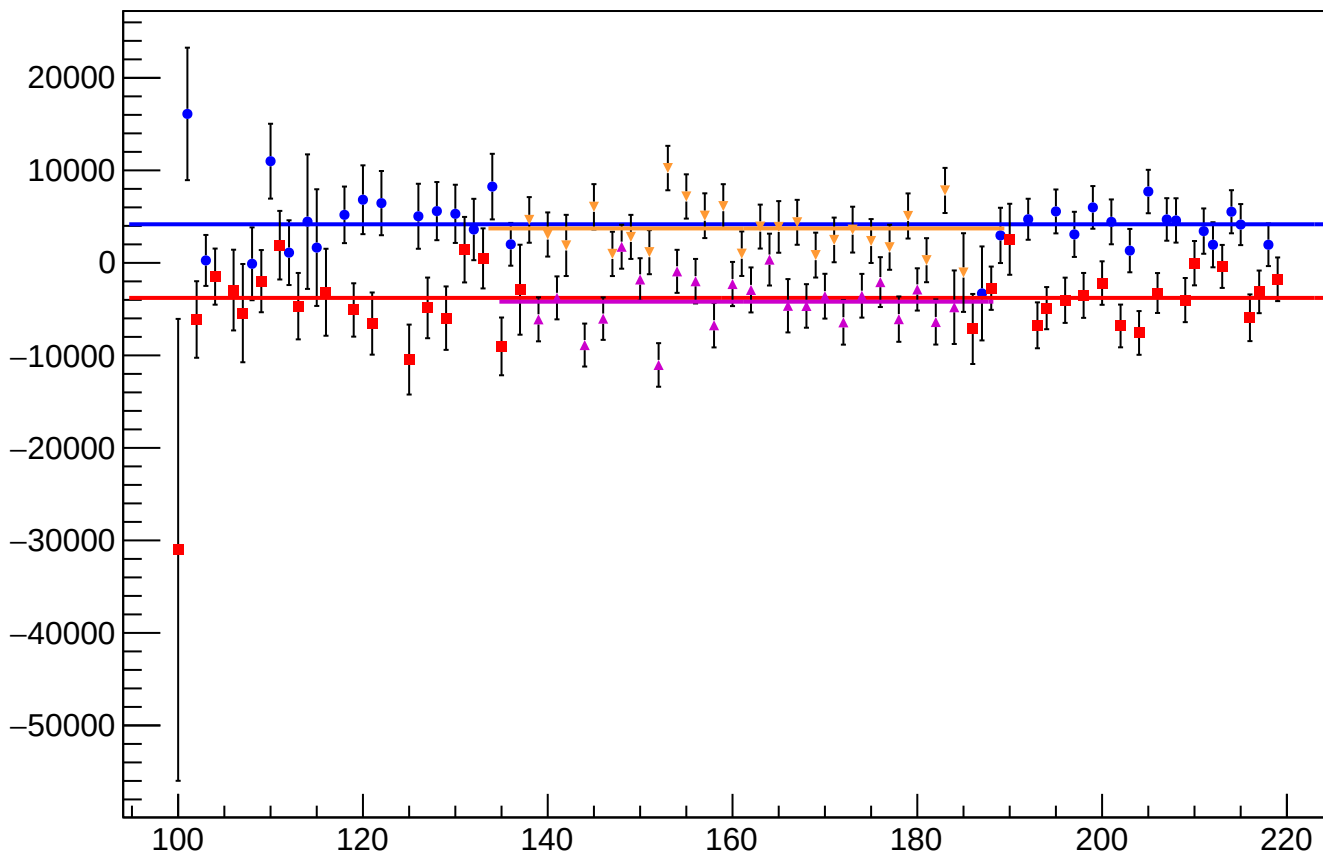
Left In: 0.000+/-0.000 χ^2/NDF : 2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 16225885.1/56

All: 0.000+/-0.000 χ^2/NDF : 33089564.1/115

- sign 0.000+/-0.000 χ^2/NDF : 16862680.4/58

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4172.338 $\pm$ 499.894 χ^2 /NDF: 23.0/31

Left Out: 3723.486 $\pm$ 507.155 χ^2 /NDF: 25.4/23

Right Out: -3785.844 $\pm$ 490.794 χ^2 /NDF: 32.6/34

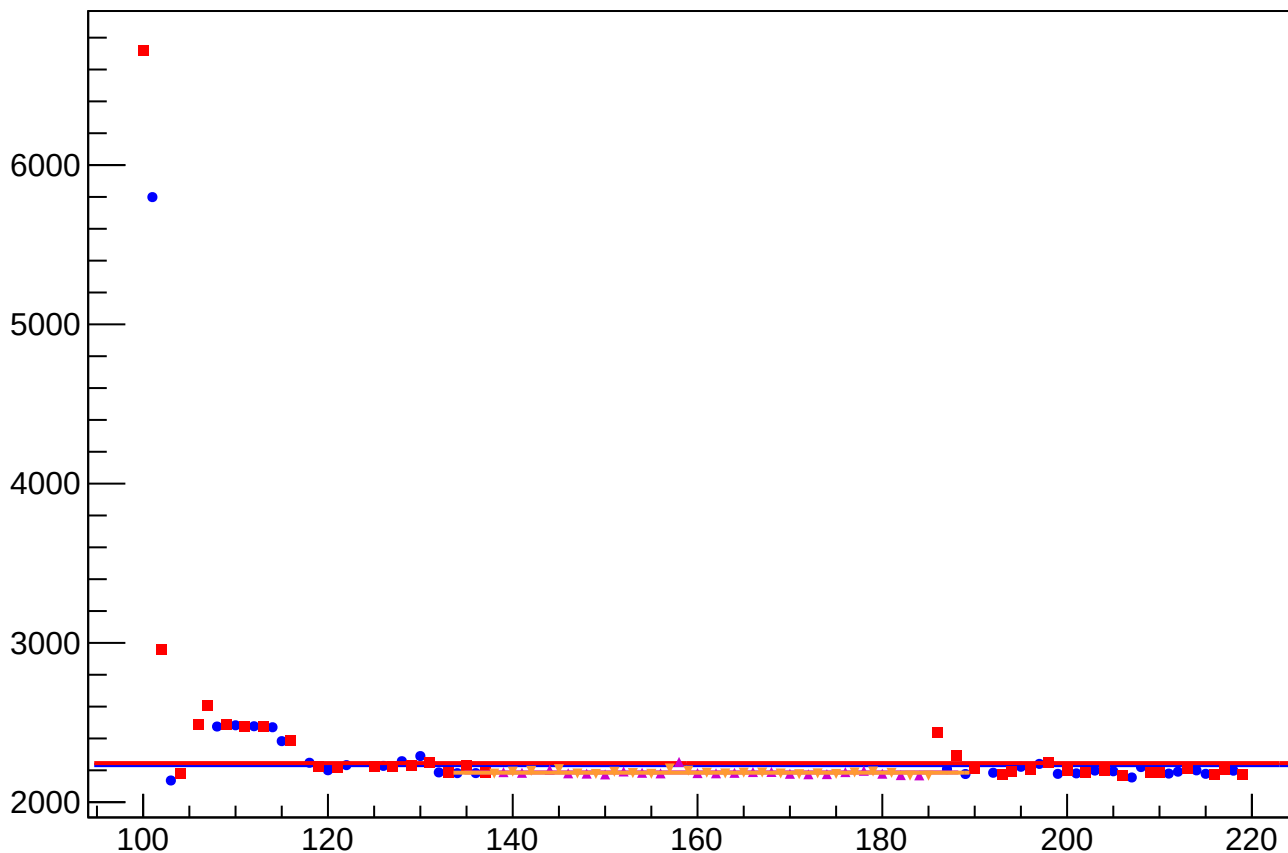
Left In: -4195.942 $\pm$ 510.578 χ^2 /NDF: 32.1/22

+ sign 3951.148 $\pm$ 356.018 χ^2 /NDF: 48.8/55

All: -40.261 $\pm$ 250.966 χ^2 /NDF: 363.7/113

- sign -3982.794 $\pm$ 353.831 χ^2 /NDF: 65.0/57

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2232.435 $\pm$ 0.353 χ^2 /NDF: 540081.3/31

Left Out: 2185.133 $\pm$ 0.359 χ^2 /NDF:815.1/23

Right Out: 2245.327 $\pm$ 0.347 χ^2 /NDF: 191911.6/34

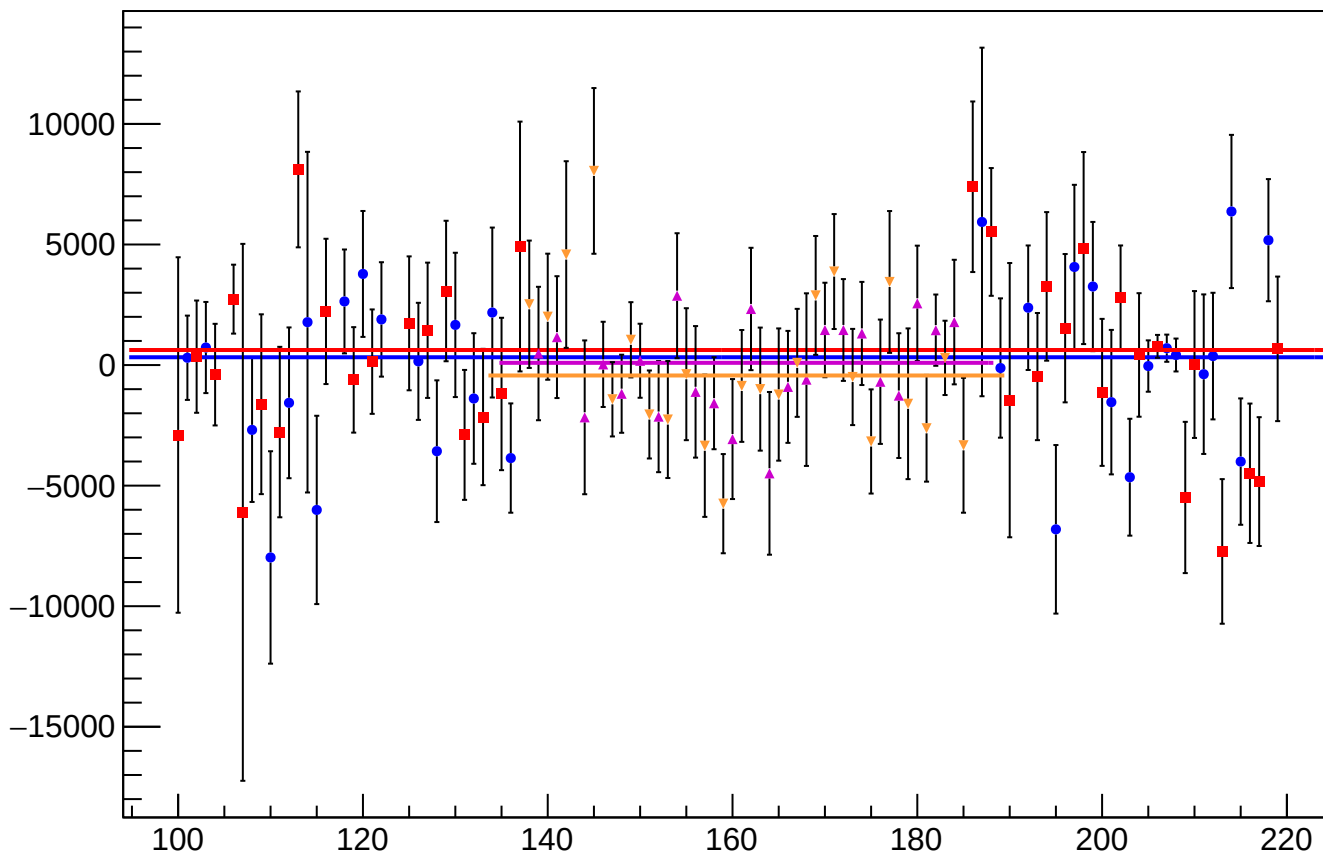
Left In: 2186.745 $\pm$ 0.361 χ^2 /NDF:2063.9/22

+ sign 2209.125 $\pm$ 0.252 χ^2 /NDF: 549721.1/55

All: 2213.184 $\pm$ 0.177 χ^2 /NDF: 757897.5/113

- sign 2217.193 $\pm$ 0.250 χ^2 /NDF: 207659.7/57

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug



Right In: 323.829+/-316.253 χ^2/NDF : 40.1/31

Left Out: -432.286+/-462.383 χ^2/NDF :31.3/23

Right Out: 624.293+/-337.816 χ^2/NDF : 44.7/34

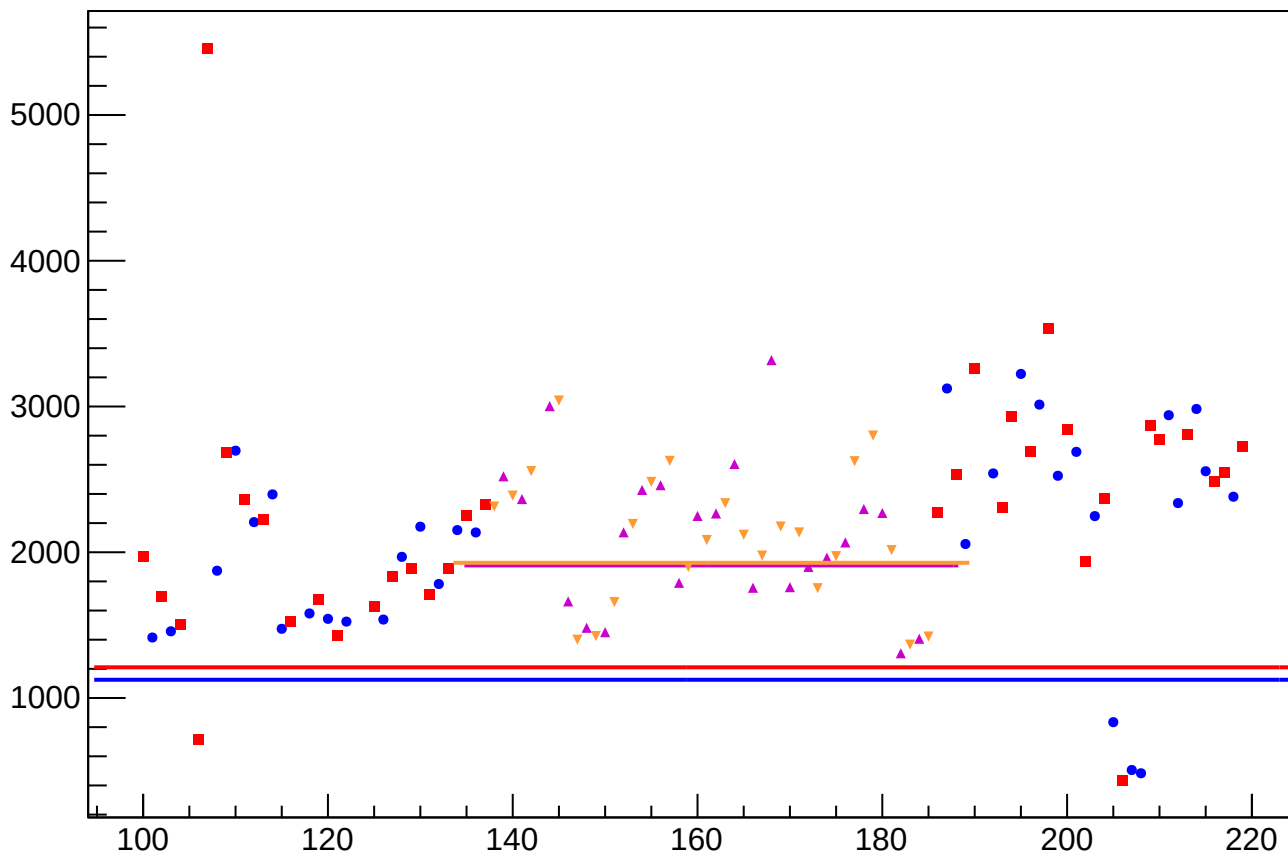
Left In: 92.649+/-460.669 χ^2/NDF :12.8/22

+ sign 82.847+/-261.036 χ^2/NDF : 73.2/55

All: 253.029+/-188.476 χ^2/NDF : 132.4/113

- sign 438.376+/-272.419 χ^2/NDF : 58.3/57

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug



Right In: 1125.178 $\pm$ 0.224 χ^2 /NDF: 13116354.7/31

Left Out: 1927.660 $\pm$ 0.327 χ^2 /NDF: 1798383.1/23

Right Out: 1210.625 $\pm$ 0.239 χ^2 /NDF: 14989932.6/34

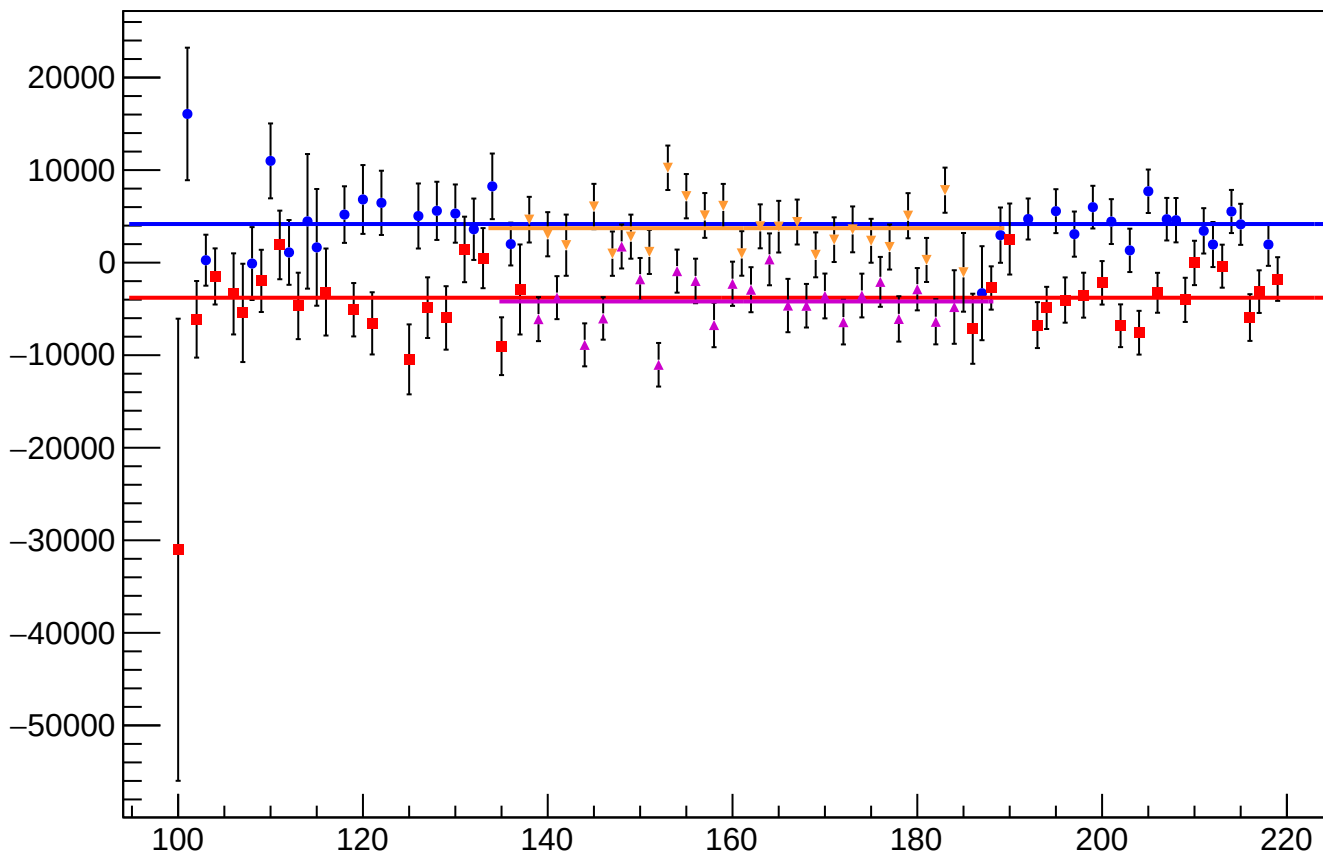
Left In: 1909.612 $\pm$ 0.326 χ^2 /NDF: 1942264.8/22

+ sign 1380.938 $\pm$ 0.185 χ^2 /NDF: 19018938.5/55

All: 1416.419 $\pm$ 0.133 χ^2 /NDF: 39022689.4/100

- sign 1455.062 $\pm$ 0.193 χ^2 /NDF: 19926556.8/57

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4172.109 $\pm$ 499.894 χ^2 /NDF: 23.0/31

Left Out: 3723.433 $\pm$ 507.155 χ^2 /NDF:25.4/23

Right Out: -3791.601 $\pm$ 490.821 χ^2 /NDF: 32.5/34

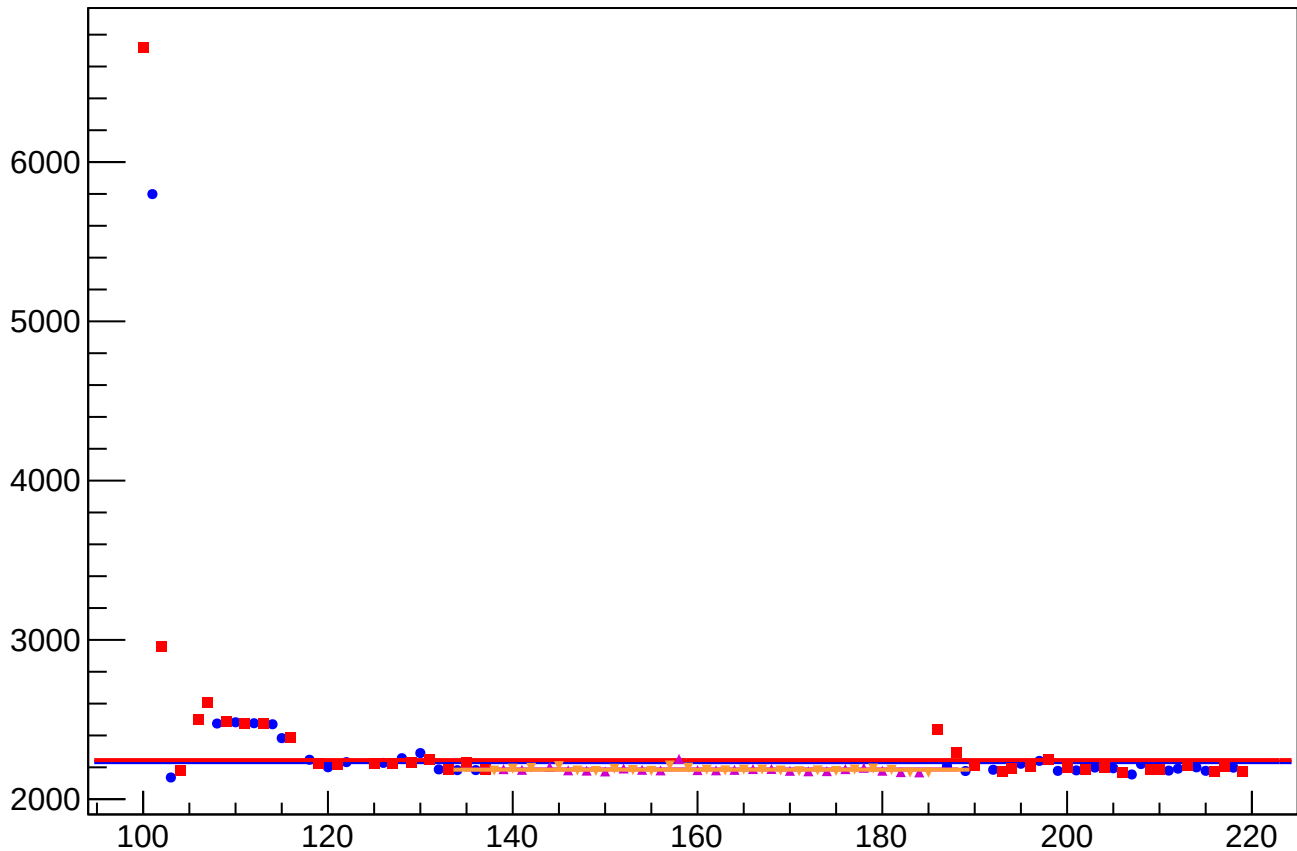
Left In: -4196.060 $\pm$ 510.578 χ^2 /NDF:32.1/22

+ sign 3951.006 $\pm$ 356.018 χ^2 /NDF: 48.8/55

All: -41.759 $\pm$ 250.970 χ^2 /NDF: 363.8/113

- sign -3985.854 $\pm$ 353.841 χ^2 /NDF: 65.0/57

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2232.435 $\pm$ 0.353 χ^2 /NDF: 540081.7/31

Left Out: 2185.133 $\pm$ 0.359 χ^2 /NDF:815.1/23

Right Out: 2245.435 $\pm$ 0.347 χ^2 /NDF: 192416.5/34

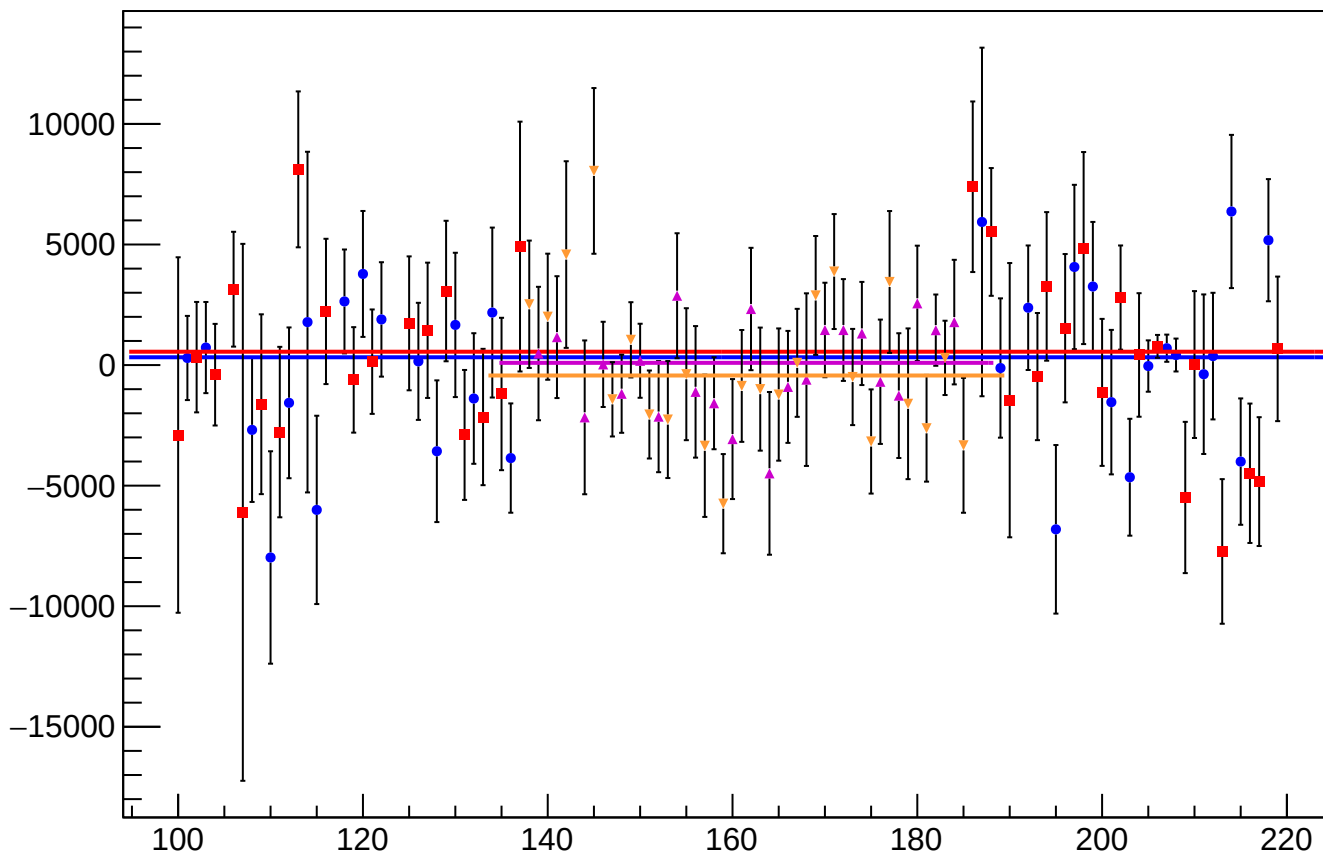
Left In: 2186.745 $\pm$ 0.361 χ^2 /NDF:2063.9/22

+ sign 2209.125 $\pm$ 0.252 χ^2 /NDF: 549721.5/55

All: 2213.211 $\pm$ 0.177 χ^2 /NDF: 758459.5/113

- sign 2217.247 $\pm$ 0.250 χ^2 /NDF: 208214.3/57

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug



Right In: 323.644 $\pm$ 316.234 χ^2 /NDF: 40.1/31

Left Out: -432.320 $\pm$ 462.383 χ^2 /NDF:31.3/23

Right Out: 554.021 $\pm$ 343.888 χ^2 /NDF: 43.6/34

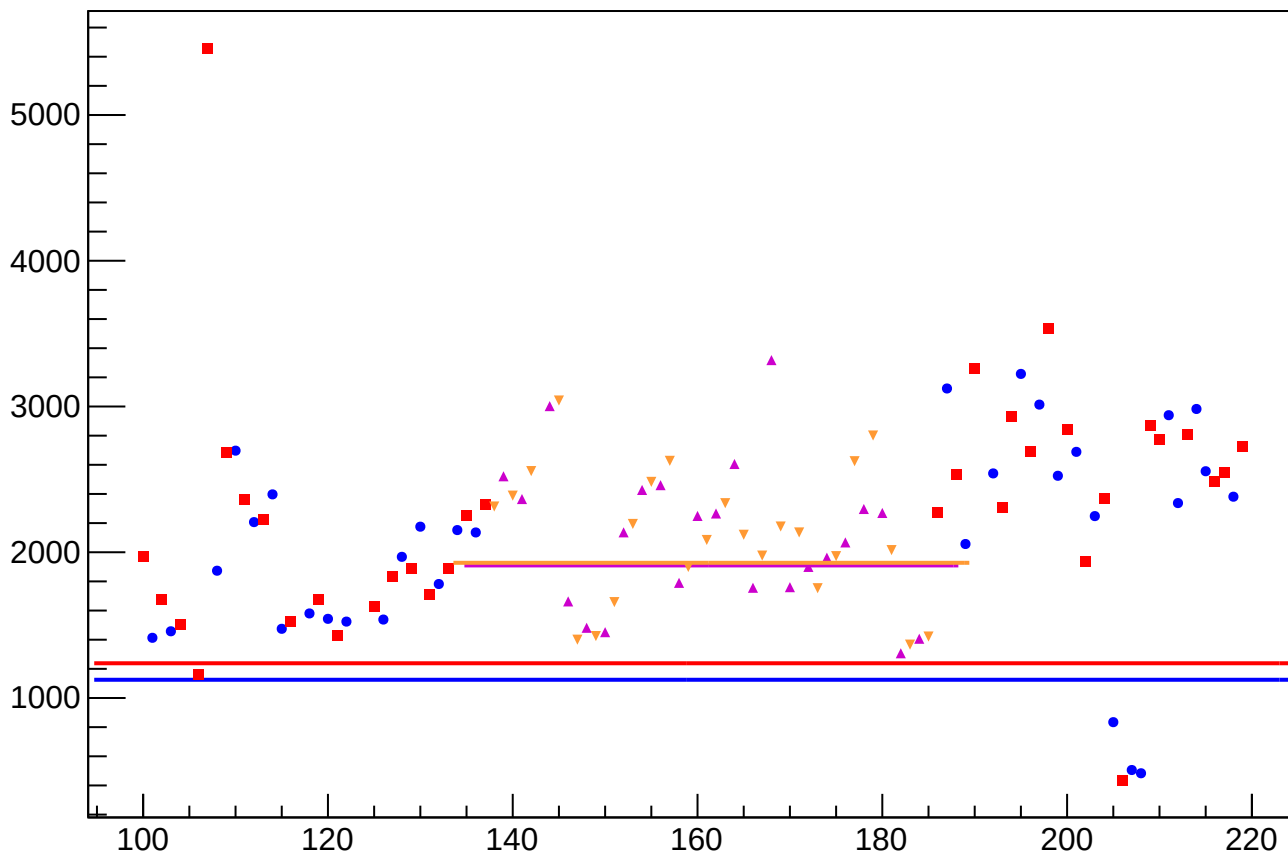
Left In: 92.604 $\pm$ 460.670 χ^2 /NDF:12.8/22

+ sign 82.730 $\pm$ 261.025 χ^2 /NDF: 73.2/55

All: 227.523 $\pm$ 189.507 χ^2 /NDF: 130.9/113

- sign 388.906 $\pm$ 275.573 χ^2 /NDF: 57.0/57

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1125.112 $\pm$ 0.224 χ^2 /NDF: 13116324.9/31

Left Out: 1927.659 $\pm$ 0.327 χ^2 /NDF: 1798407.2/23

Right Out: 1238.328 $\pm$ 0.243 χ^2 /NDF: 14733363.9/34

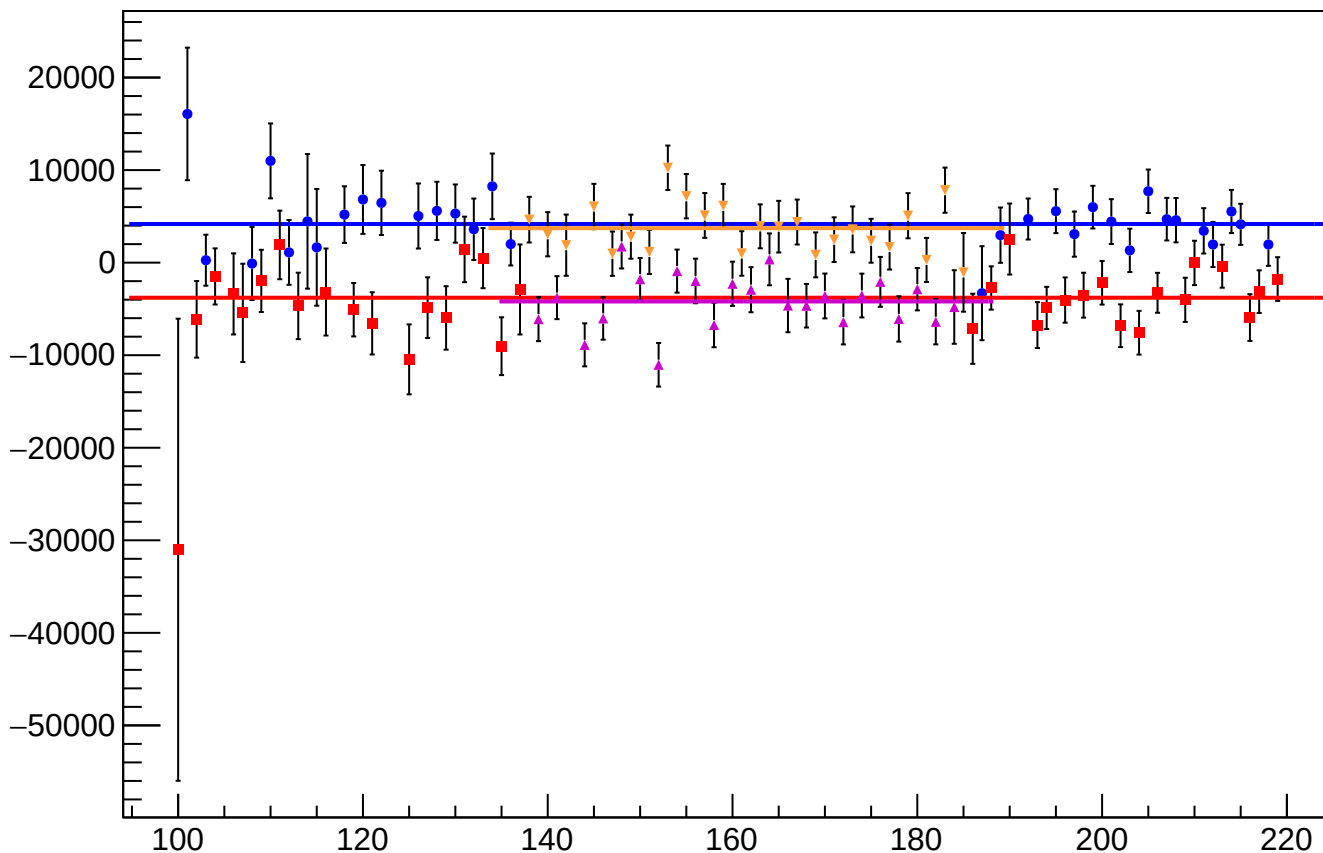
Left In: 1909.618 $\pm$ 0.326 χ^2 /NDF: 1942286.8/22

+ sign 1380.871 $\pm$ 0.185 χ^2 /NDF: 19019756.1/55

All: 1427.062 $\pm$ 0.134 χ^2 /NDF: 38554997.6/1

- sign 1478.545 $\pm$ 0.195 χ^2 /NDF: 19402806.5/57

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4172.109 $\pm$ 499.894 χ^2 /NDF: 23.0/31

Left Out: 3723.433 $\pm$ 507.155 χ^2 /NDF:25.4/23

Right Out: -3791.601 $\pm$ 490.821 χ^2 /NDF: 32.5/34

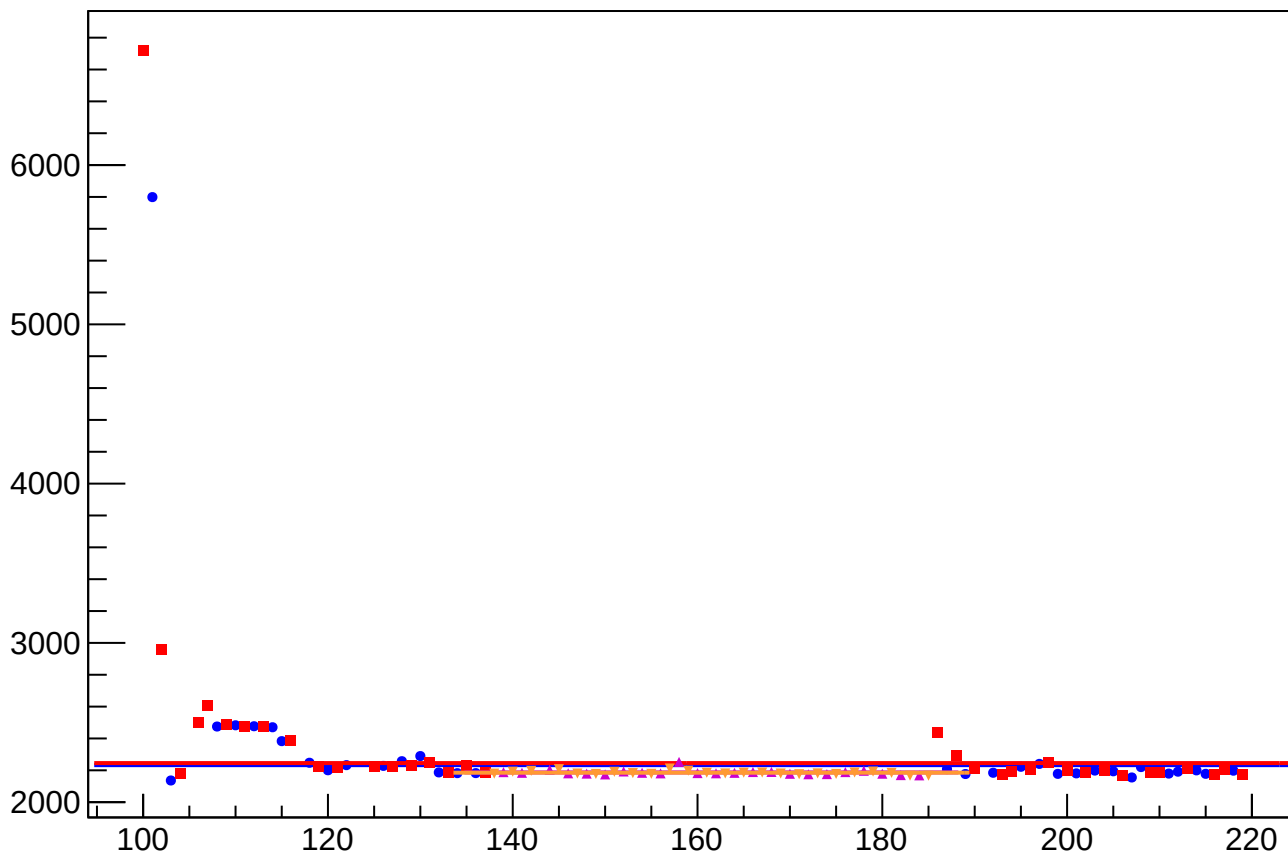
Left In: -4196.060 $\pm$ 510.578 χ^2 /NDF:32.1/22

+ sign 3951.006 $\pm$ 356.018 χ^2 /NDF: 48.8/55

All: -41.759 $\pm$ 250.970 χ^2 /NDF: 363.8/113

- sign -3985.854 $\pm$ 353.841 χ^2 /NDF: 65.0/57

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2232.435+/-0.353 χ^2/NDF : 540081.7/31

Left Out: 2185.133+/-0.359 χ^2/NDF : 815.1/23

Right Out: 2245.435+/-0.347 χ^2/NDF : 192416.5/34

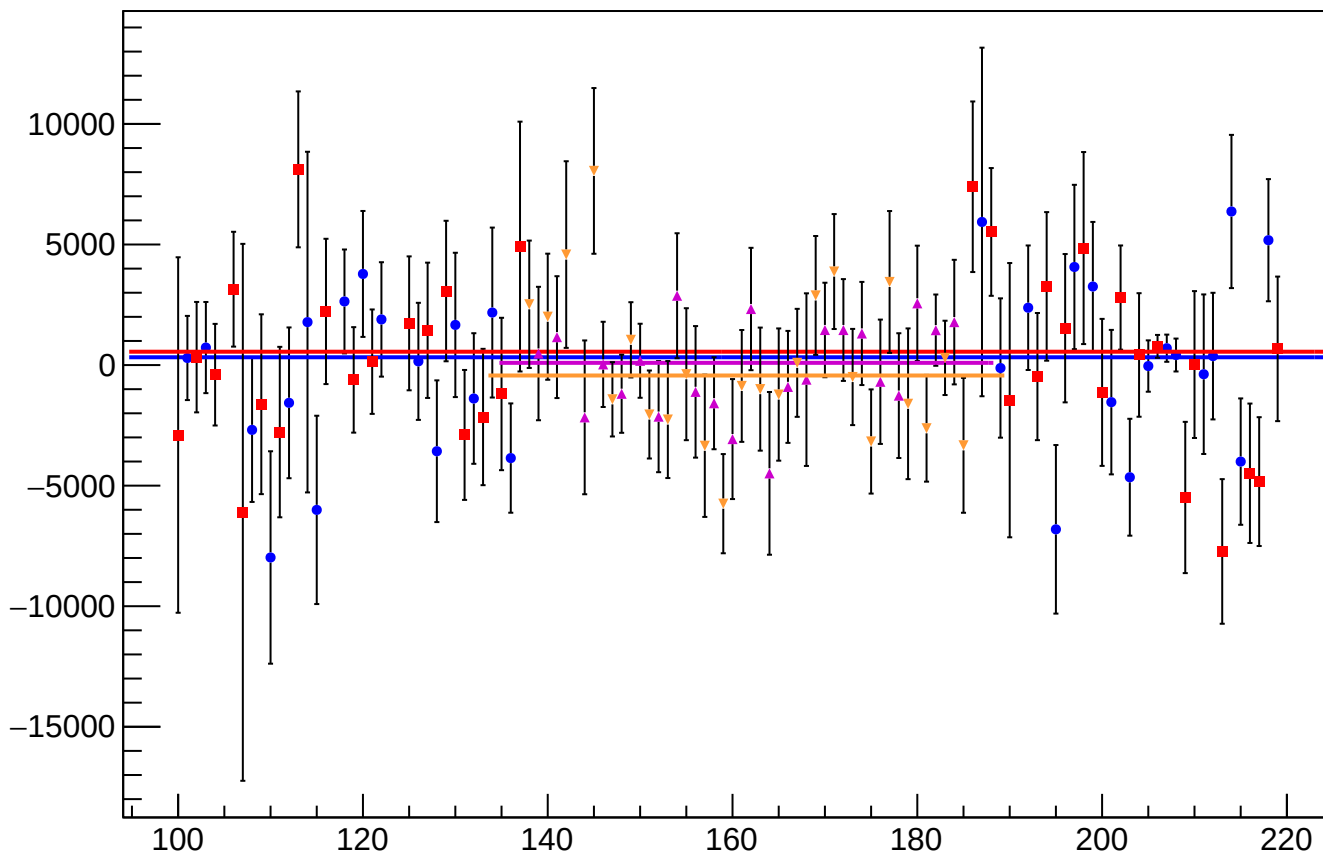
Left In: 2186.745+/-0.361 χ^2/NDF : 2063.9/22

+ sign 2209.125+/-0.252 χ^2/NDF : 549721.5/55

All: 2213.211+/-0.177 χ^2/NDF : 758459.5/113

- sign 2217.247+/-0.250 χ^2/NDF : 208214.3/57

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: 323.644 $\pm$ 316.234 χ^2 /NDF: 40.1/31

Left Out: -432.320 $\pm$ 462.383 χ^2 /NDF:31.3/23

Right Out: 554.021 $\pm$ 343.888 χ^2 /NDF: 43.6/34

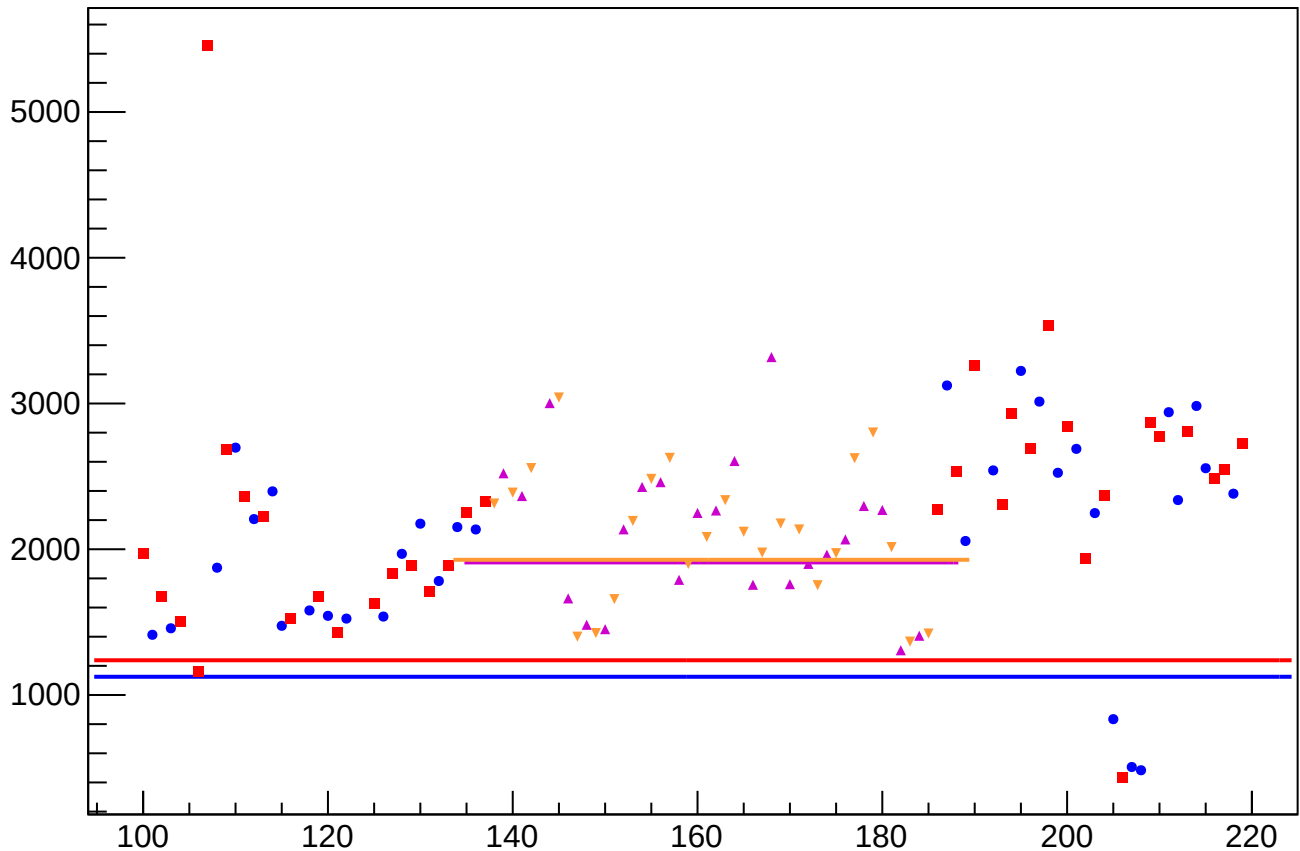
Left In: 92.604 $\pm$ 460.670 χ^2 /NDF:12.8/22

+ sign 82.730 $\pm$ 261.025 χ^2 /NDF: 73.2/55

All: 227.523 $\pm$ 189.507 χ^2 /NDF: 130.9/113

- sign 388.906 $\pm$ 275.573 χ^2 /NDF: 57.0/57

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 1125.112 $\pm$ 0.224 χ^2 /NDF: 13116324.9/31

Left Out: 1927.659 $\pm$ 0.327 χ^2 /NDF:1798407.2/23

Right Out: 1238.328 $\pm$ 0.243 χ^2 /NDF: 14733363.9/34

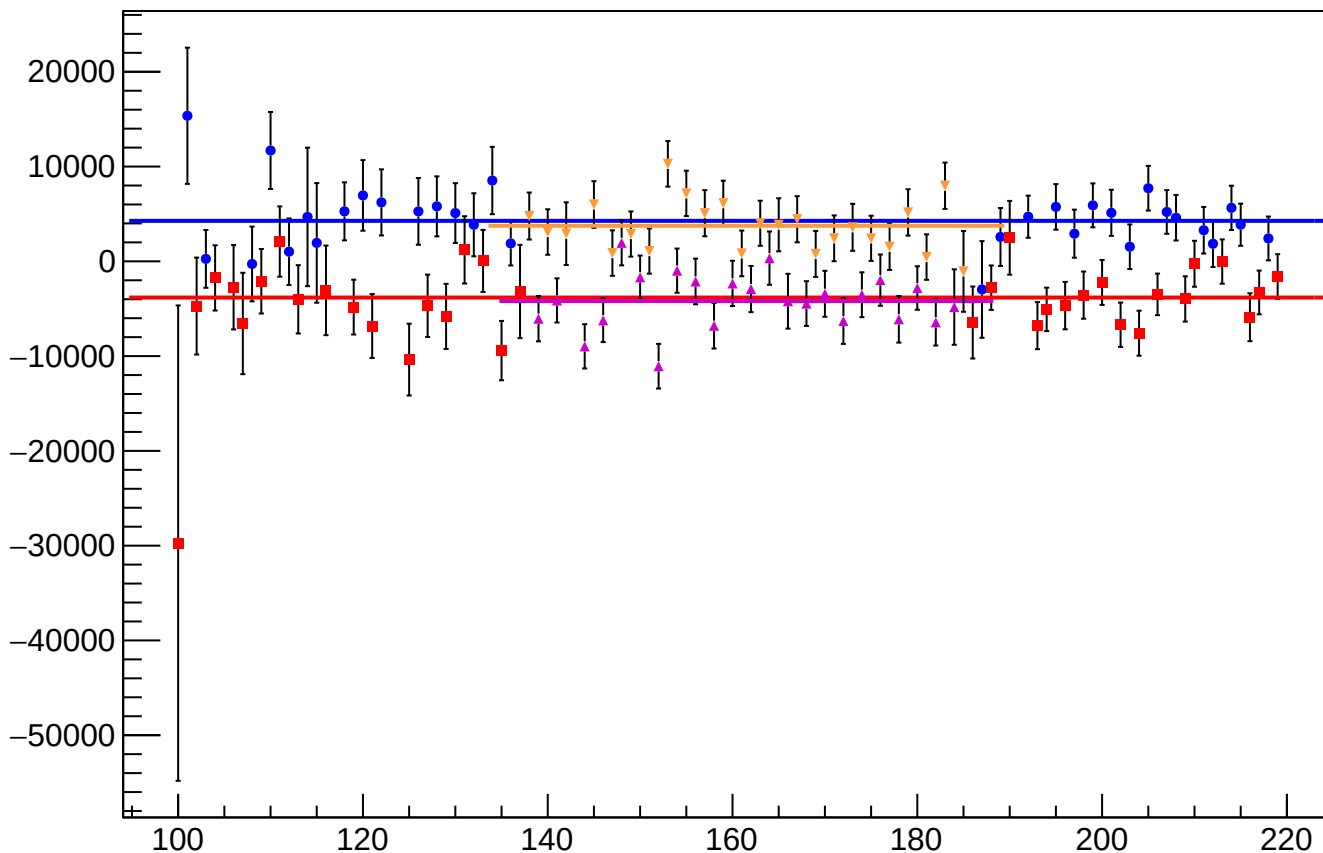
Left In: 1909.618 $\pm$ 0.326 χ^2 /NDF:1942286.8/22

+ sign 1380.871 $\pm$ 0.185 χ^2 /NDF: 19019756.1/55

All: 1427.062 $\pm$ 0.134 χ^2 /NDF: 38554997.6/1

- sign 1478.545 $\pm$ 0.195 χ^2 /NDF: 19402806.5/57

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4271.467 $\pm$ 504.400 χ^2 /NDF: 23.1/31

Left Out: 3754.065 $\pm$ 508.568 χ^2 /NDF: 25.7/23

Right Out: -3821.441 $\pm$ 496.926 χ^2 /NDF: 31.6/34

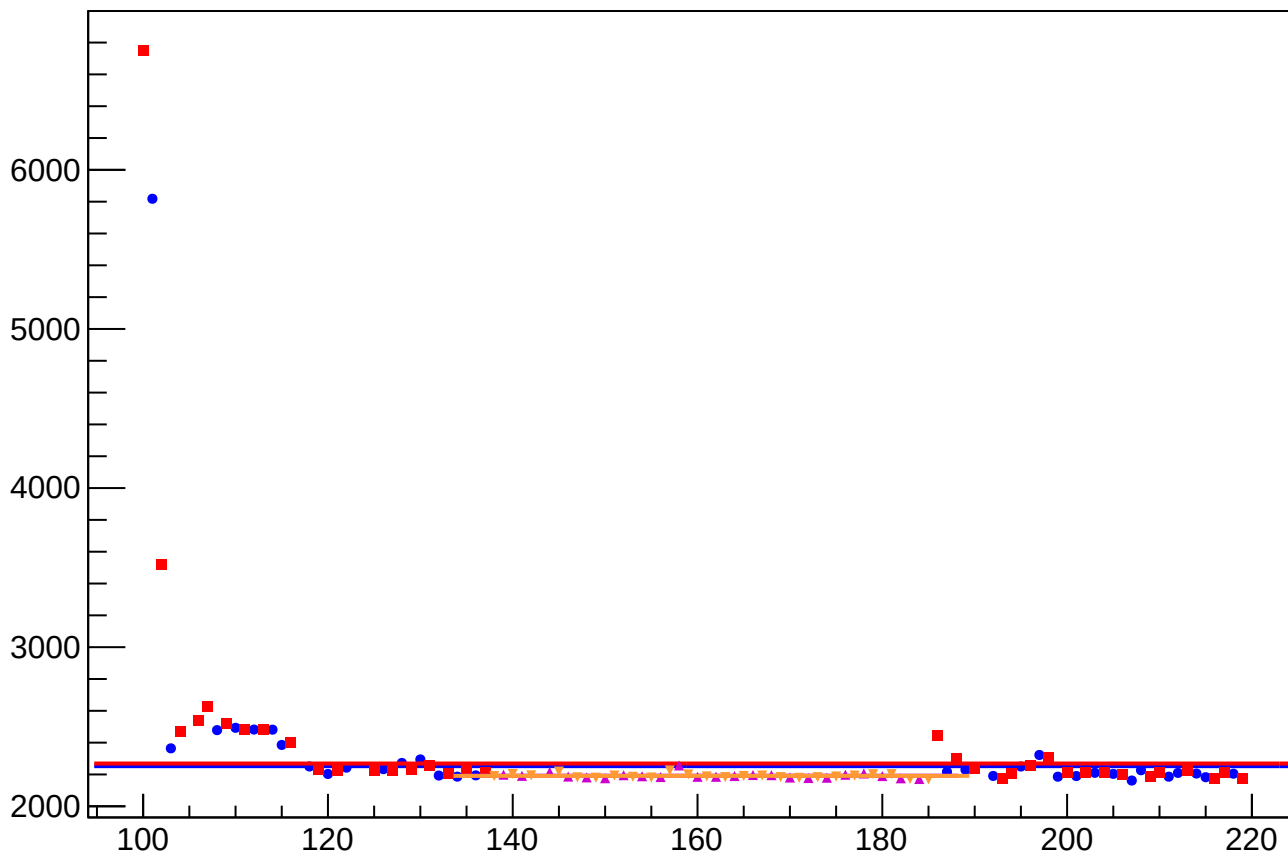
Left In: -4184.214 $\pm$ 511.864 χ^2 /NDF: 32.7/22

+ sign 4014.895 $\pm$ 358.129 χ^2 /NDF: 49.2/55

All: -9.059 $\pm$ 252.673 χ^2 /NDF: 365.1/113

- sign -3997.457 $\pm$ 356.544 χ^2 /NDF: 64.5/57

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2252.175 $\pm$ 0.357 χ^2 /NDF: 540451.9/31

Left Out: 2191.147 $\pm$ 0.360 χ^2 /NDF:1228.9/23

Right Out: 2268.770 $\pm$ 0.351 χ^2 /NDF: 261937.1/34

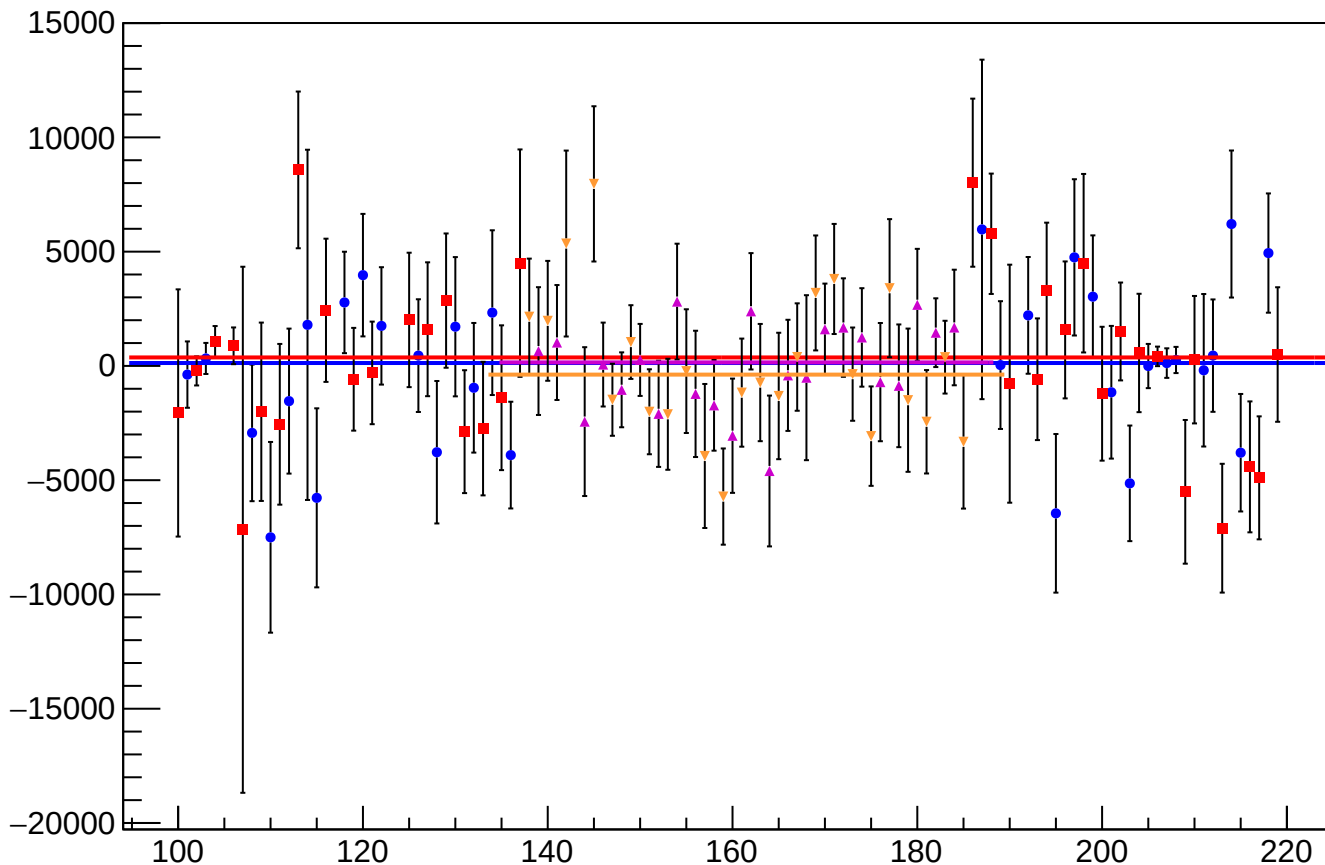
Left In: 2192.201 $\pm$ 0.362 χ^2 /NDF:2281.8/22

+ sign 2221.912 $\pm$ 0.253 χ^2 /NDF: 556199.3/55

All: 2226.787 $\pm$ 0.179 χ^2 /NDF: 844195.6/113

- sign 2231.619 $\pm$ 0.252 χ^2 /NDF: 287258.4/57

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug



Right In: 126.916 $\pm$ 285.327 χ^2 /NDF: 38.2/31

Left Out: -380.488 $\pm$ 471.481 χ^2 /NDF:30.8/23

Right Out: 371.010 $\pm$ 258.357 χ^2 /NDF: 43.9/34

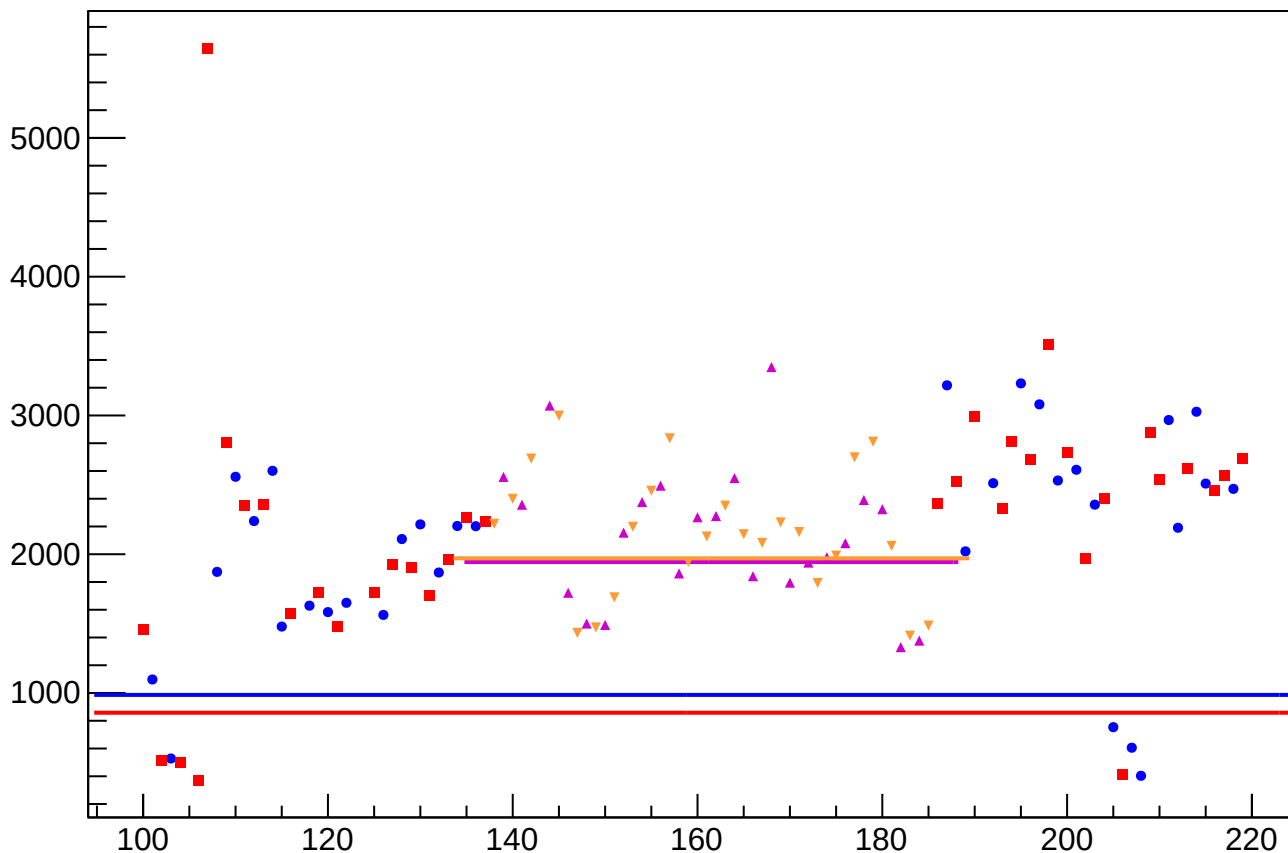
Left In: 154.512 $\pm$ 467.999 χ^2 /NDF:12.8/22

+ sign -9.099 $\pm$ 244.107 χ^2 /NDF: 69.8/55

All: 168.214 $\pm$ 165.910 χ^2 /NDF: 127.7/113

- sign 320.442 $\pm$ 226.181 χ^2 /NDF: 56.9/57

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 986.384 $\pm$ 0.202 χ^2 /NDF: 14718678.9/31

Left Out: 1970.655 $\pm$ 0.333 χ^2 /NDF:1696659.6/23

Right Out: 857.997 $\pm$ 0.183 χ^2 /NDF: 19165954.4/34

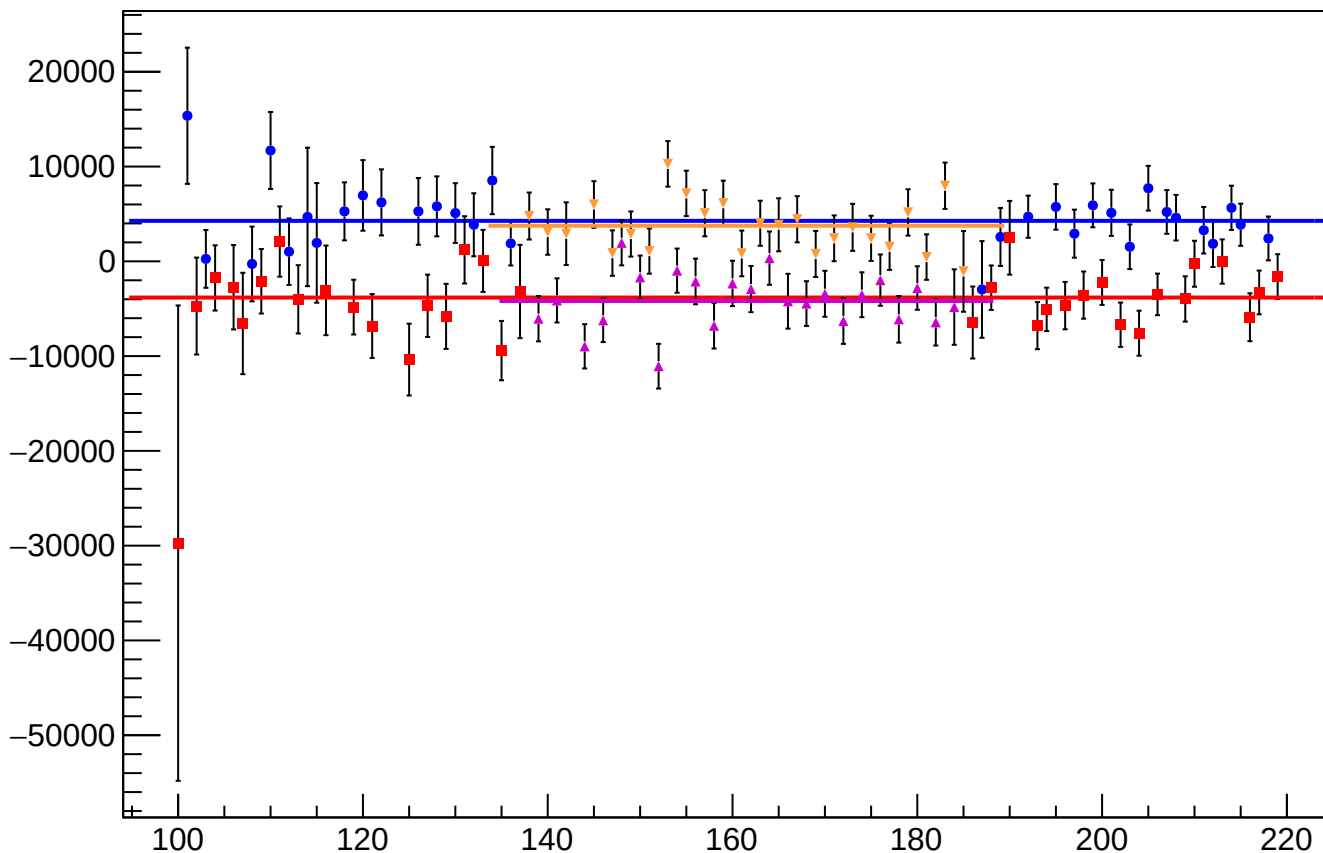
Left In: 1943.628 $\pm$ 0.331 χ^2 /NDF:1882933.7/22

+ sign 1250.228 $\pm$ 0.173 χ^2 /NDF: 22795137.2/55

All: 1175.622 $\pm$ 0.117 χ^2 /NDF: 52439726.7/1

- sign 1111.571 $\pm$ 0.160 χ^2 /NDF: 29297384.7/57

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4271.466 $\pm$ 504.400 χ^2 /NDF: 23.1/31

Left Out: 3754.064 $\pm$ 508.568 χ^2 /NDF: 25.7/23

Right Out: -3821.441 $\pm$ 496.926 χ^2 /NDF: 31.6/34

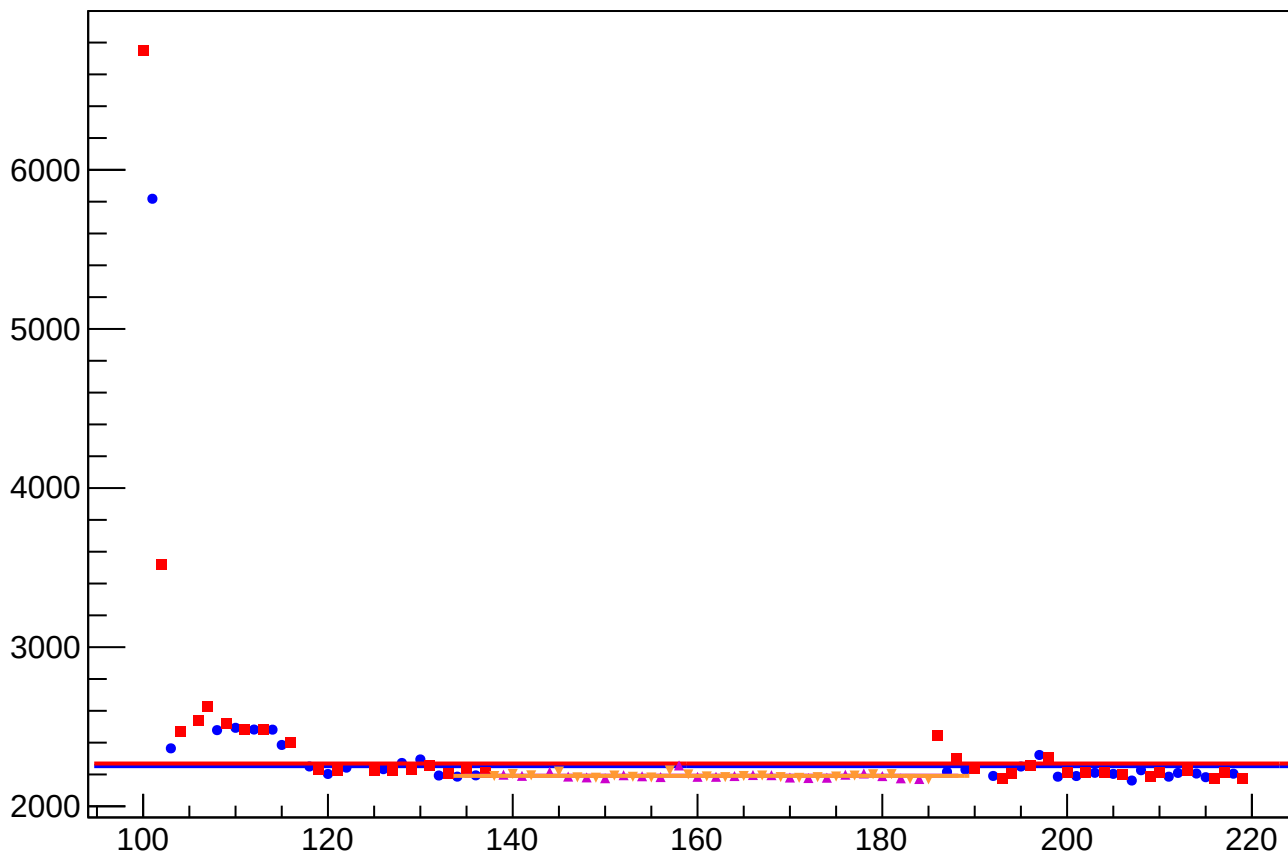
Left In: -4184.214 $\pm$ 511.864 χ^2 /NDF: 32.7/22

+ sign 4014.894 $\pm$ 358.129 χ^2 /NDF: 49.2/55

All: -9.060 $\pm$ 252.673 χ^2 /NDF: 365.1/113

- sign -3997.457 $\pm$ 356.544 χ^2 /NDF: 64.5/57

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2252.174 $\pm$ 0.357 χ^2 /NDF: 540451.7/31

Left Out: 2191.147 $\pm$ 0.360 χ^2 /NDF:1228.9/23

Right Out: 2268.770 $\pm$ 0.351 χ^2 /NDF: 261935.8/34

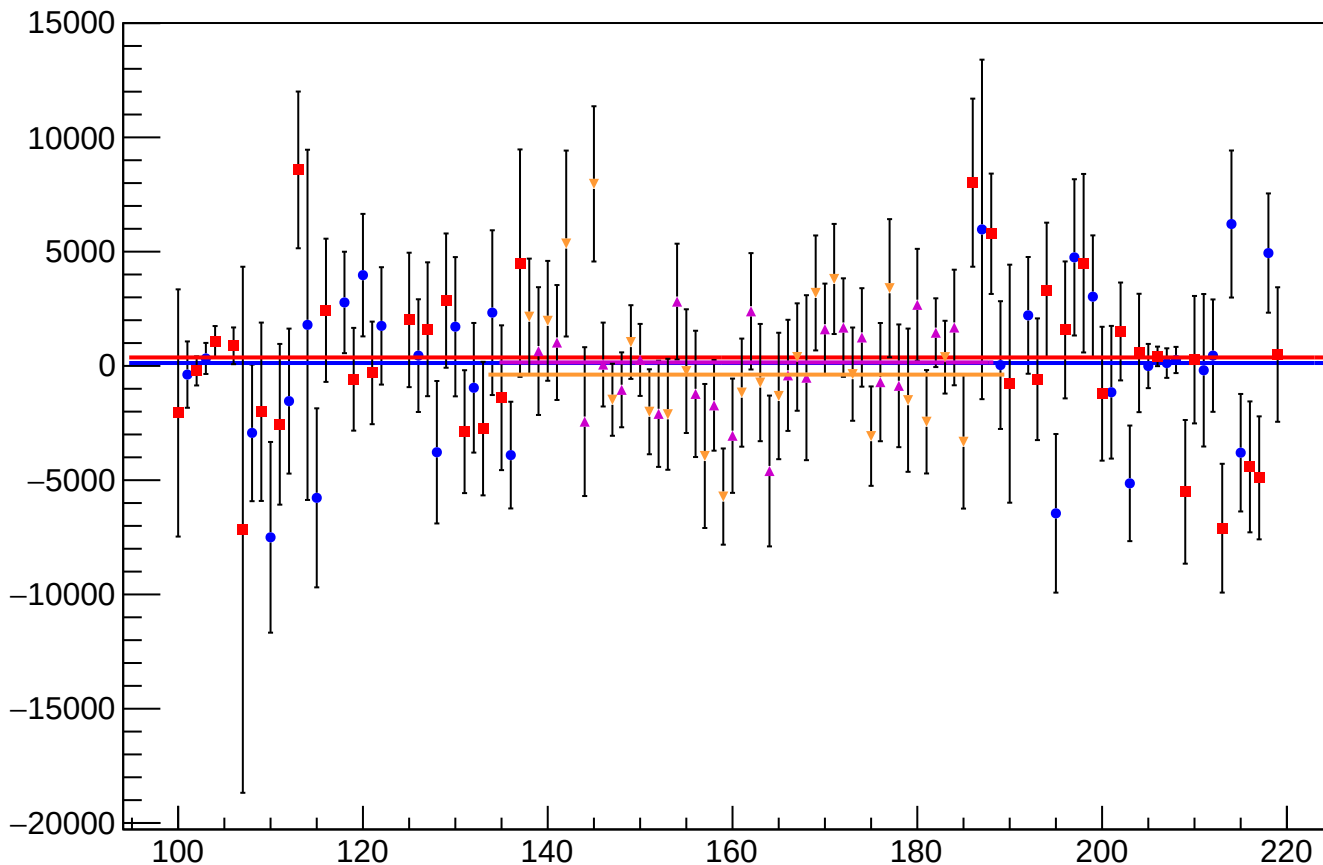
Left In: 2192.201 $\pm$ 0.362 χ^2 /NDF:2281.8/22

+ sign 2221.912 $\pm$ 0.253 χ^2 /NDF: 556199.0/55

All: 2226.787 $\pm$ 0.179 χ^2 /NDF: 844193.9/113

- sign 2231.619 $\pm$ 0.252 χ^2 /NDF: 287256.9/57

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: 126.912 $\pm$ 285.327 χ^2 /NDF: 38.2/31

Left Out: -380.492 $\pm$ 471.482 χ^2 /NDF:30.8/23

Right Out: 371.006 $\pm$ 258.358 χ^2 /NDF: 43.9/34

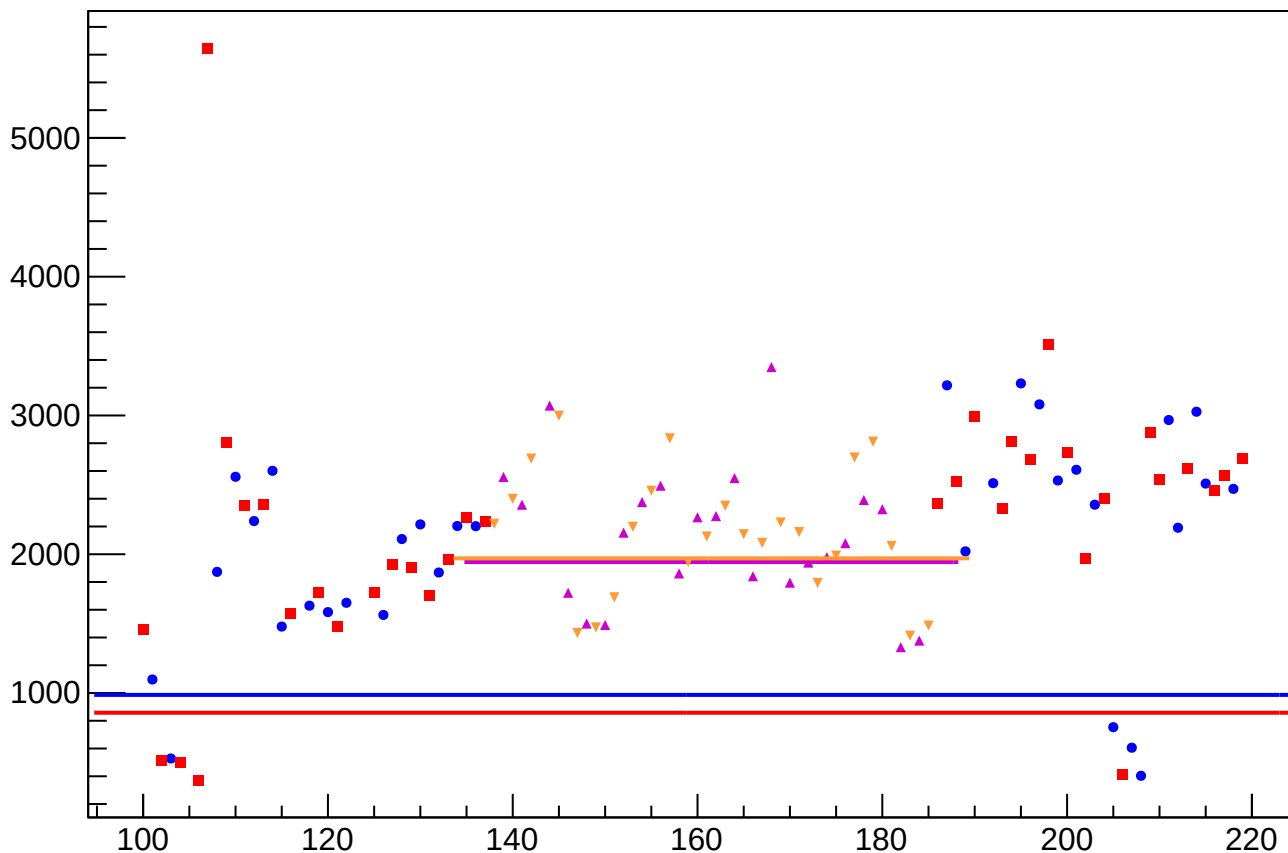
Left In: 154.512 $\pm$ 468.000 χ^2 /NDF:12.8/22

+ sign -9.102 $\pm$ 244.107 χ^2 /NDF: 69.8/55

All: 168.211 $\pm$ 165.910 χ^2 /NDF: 127.7/113

- sign 320.439 $\pm$ 226.182 χ^2 /NDF: 56.9/57

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 986.384 $\pm$ 0.202 χ^2 /NDF: 14718701.7/31

Left Out: 1970.659 $\pm$ 0.333 χ^2 /NDF:1696658.8/23

Right Out: 858.002 $\pm$ 0.183 χ^2 /NDF: 19165870.0/34

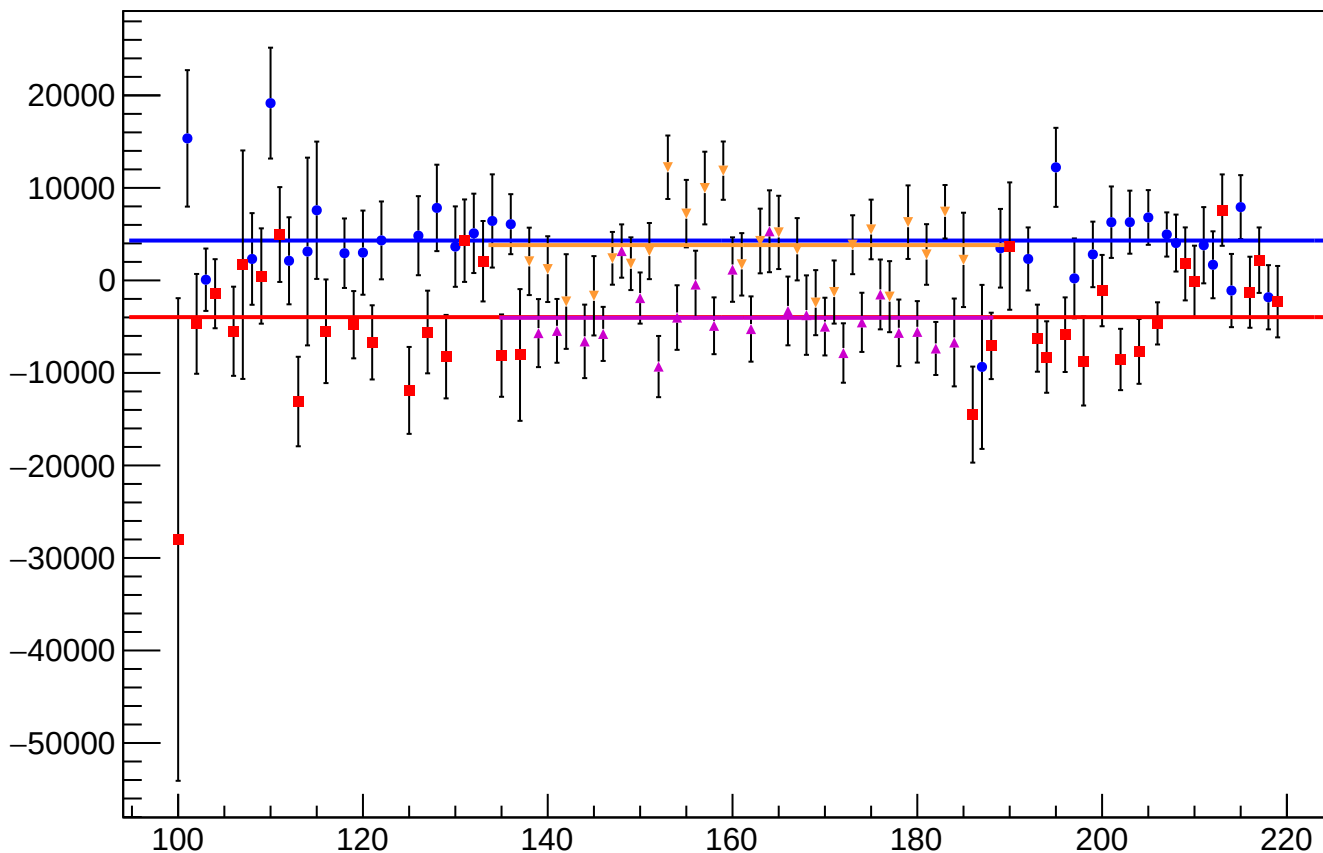
Left In: 1943.631 $\pm$ 0.331 χ^2 /NDF:1882931.8/22

+ sign 1250.228 $\pm$ 0.173 χ^2 /NDF: 22795189.3/55

All: 1175.625 $\pm$ 0.117 χ^2 /NDF: 52439604.5/1

- sign 1111.576 $\pm$ 0.160 χ^2 /NDF: 29297238.0/57

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4309.004 $\pm$ 703.119 χ^2/NDF : 27.2/31

Left Out: 3817.837 $\pm$ 708.312 χ^2/NDF : 30.9/23

Right Out: -3968.165 $\pm$ 708.588 χ^2/NDF : 48.4/34

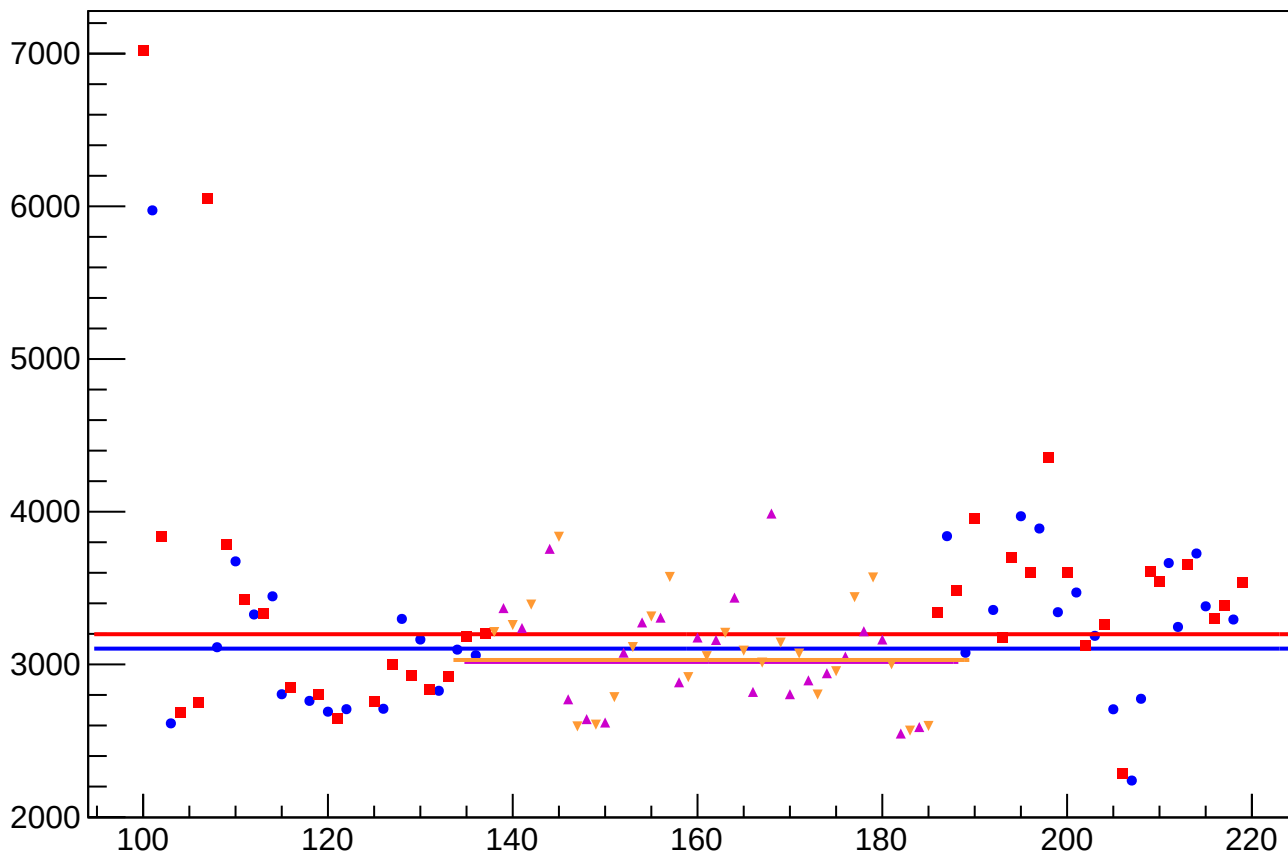
Left In: -4042.422 $\pm$ 709.573 χ^2/NDF : 22.5/22

+ sign 4065.228 $\pm$ 499.006 χ^2/NDF : 58.3/55

All: 49.265 $\pm$ 353.692 χ^2/NDF : 259.3/113

- sign -4005.242 $\pm$ 501.395 χ^2/NDF : 70.9/57

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3103.393+/-0.497 χ^2/NDF : 1084769.4/31

Left Out: 3028.983+/-0.501 χ^2/NDF : 397111.2/23

Right Out: 3197.769+/-0.501 χ^2/NDF : 1022333.3/34

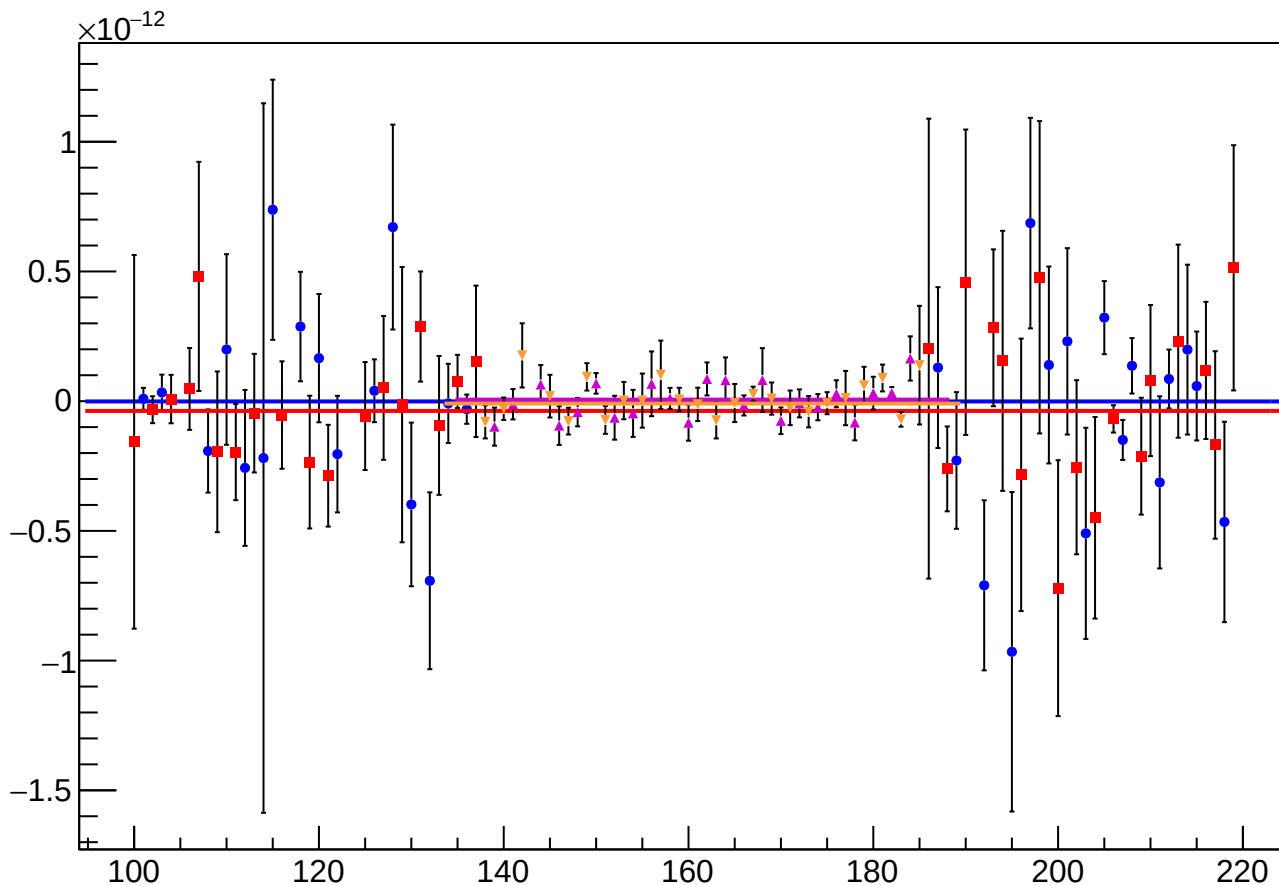
Left In: 3016.252+/-0.502 χ^2/NDF : 439897.8/22

+ sign 3066.462+/-0.353 χ^2/NDF : 1492997.7/55

All: 3086.702+/-0.250 χ^2/NDF : 3027372.0/11

- sign 3107.136+/-0.355 χ^2/NDF : 1527761.9/57

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 44.1/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 24.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 21.1/34

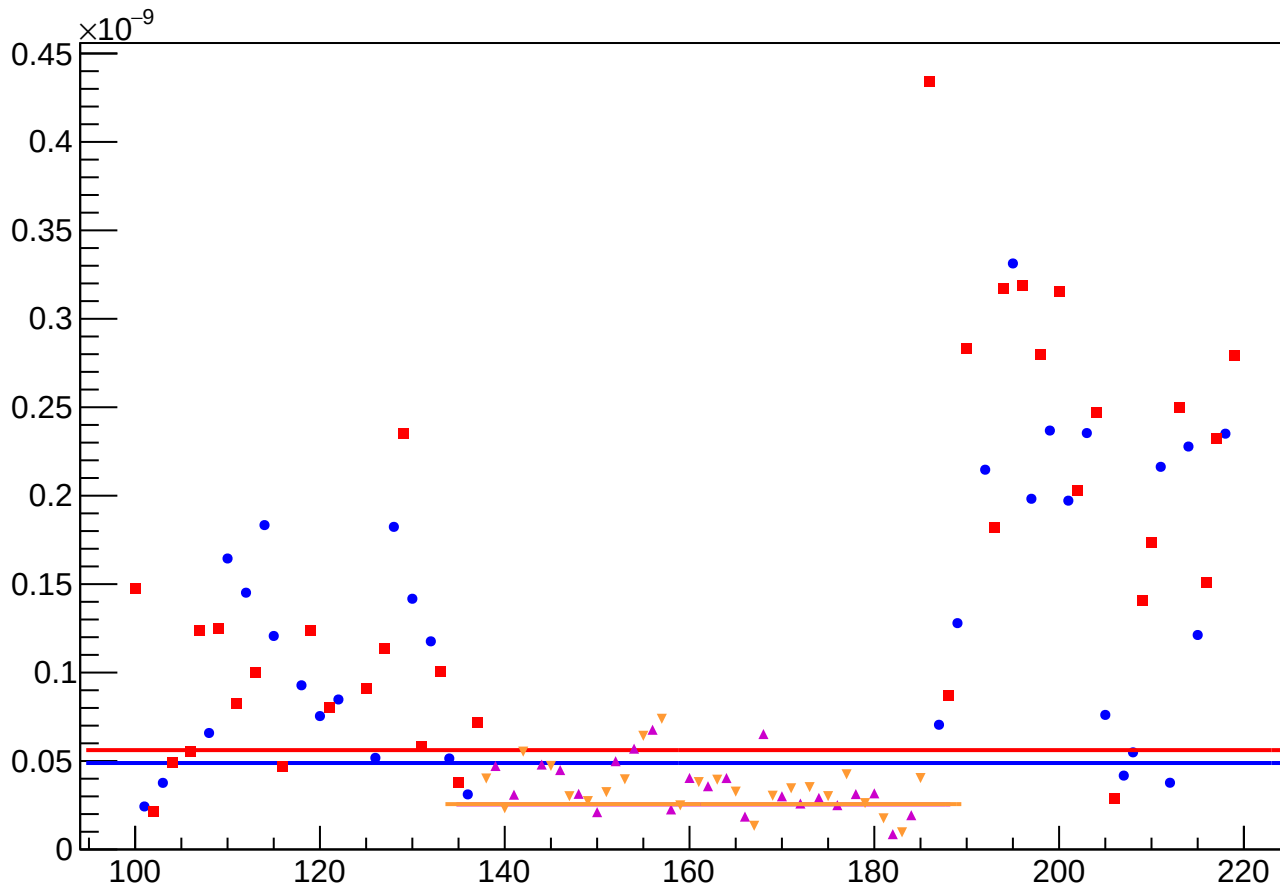
Left In: 0.000 ± 0.000 χ^2/NDF : 23.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 68.4/55

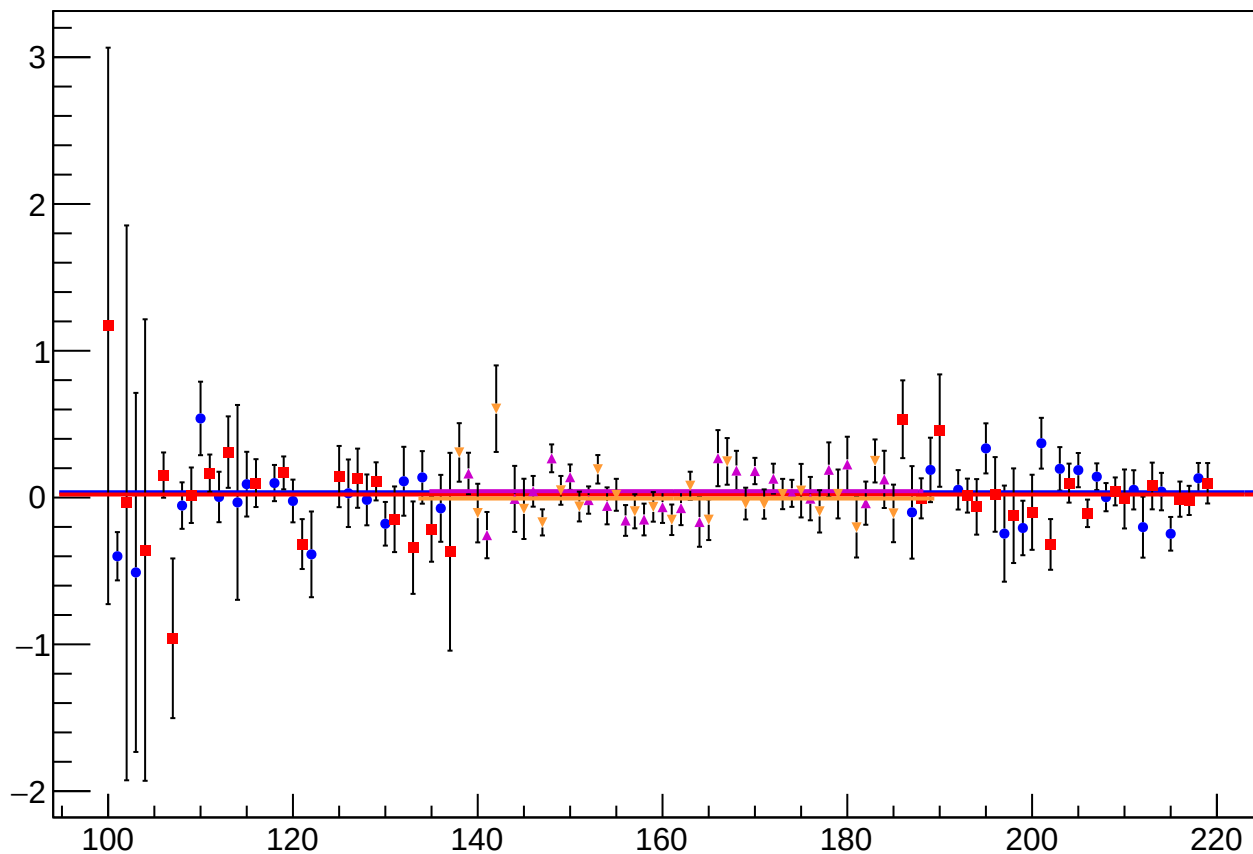
All: -0.000 ± 0.000 χ^2/NDF : 115.2/113

- sign -0.000 ± 0.000 χ^2/NDF : 46.6/57

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug



asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.036 ± 0.028 χ^2/NDF : 39.6/31

Left Out: -0.007 ± 0.025 χ^2/NDF : 27.7/23

Right Out: 0.021 ± 0.028 χ^2/NDF : 30.0/34

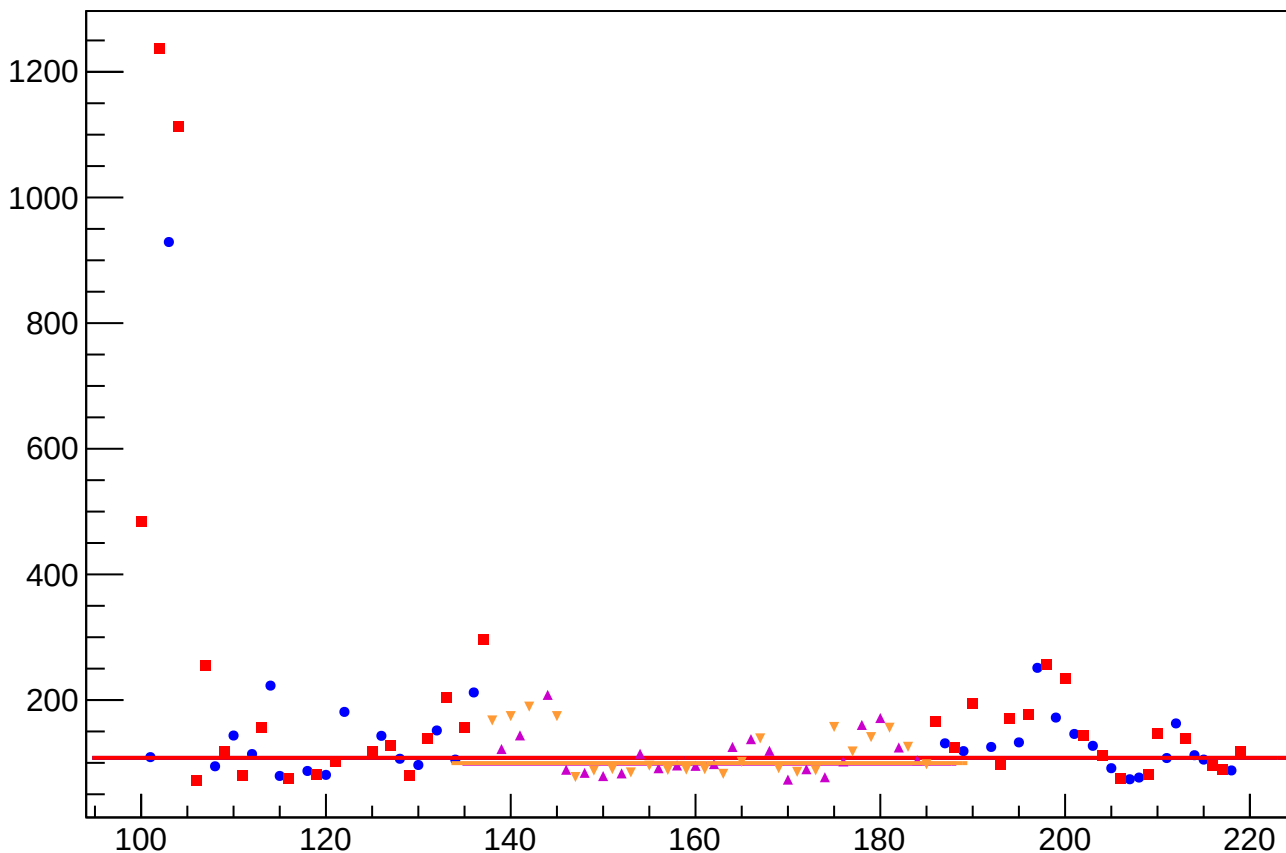
Left In: 0.044 ± 0.025 χ^2/NDF : 30.3/22

+ sign 0.013 ± 0.019 χ^2/NDF : 68.5/55

All: 0.023 ± 0.013 χ^2/NDF : 129.8/113

- sign 0.033 ± 0.019 χ^2/NDF : 60.7/57

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 107.855 $\pm$ 0.020 χ^2 /NDF: 3442237.0/31

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF:2070986.6/23

Right Out: 107.997 $\pm$ 0.020 χ^2 /NDF: 5101569.5/34

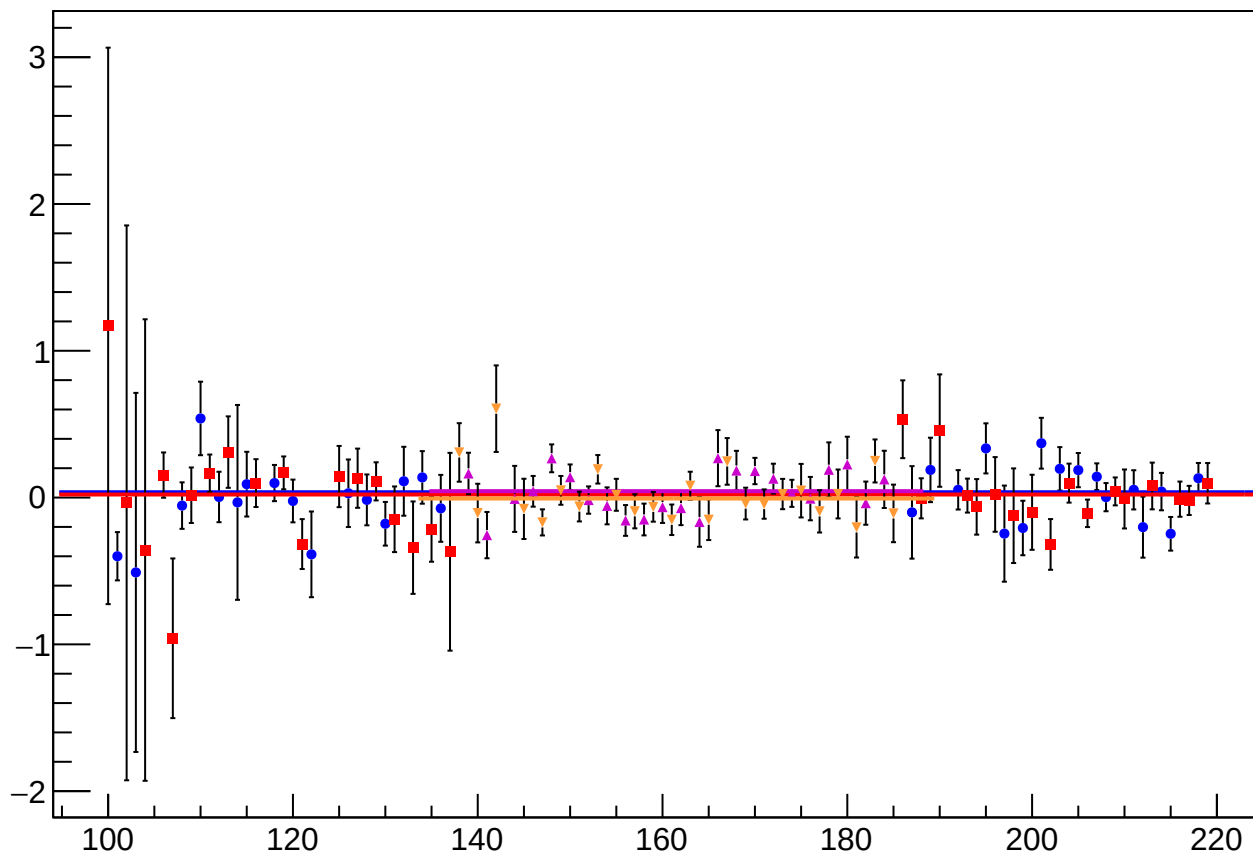
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF:2003365.1/22

+ sign 103.333 $\pm$ 0.013 χ^2 /NDF: 5609732.2/55

All: 103.083 $\pm$ 0.009 χ^2 /NDF: 12839114.4/11

- sign 102.835 $\pm$ 0.013 χ^2 /NDF: 7228671.5/57

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036 $\pm$ 0.028 χ^2 /NDF: 39.6/31

Left Out: -0.007 $\pm$ 0.025 χ^2 /NDF:27.7/23

Right Out: 0.021 $\pm$ 0.028 χ^2 /NDF: 30.0/34

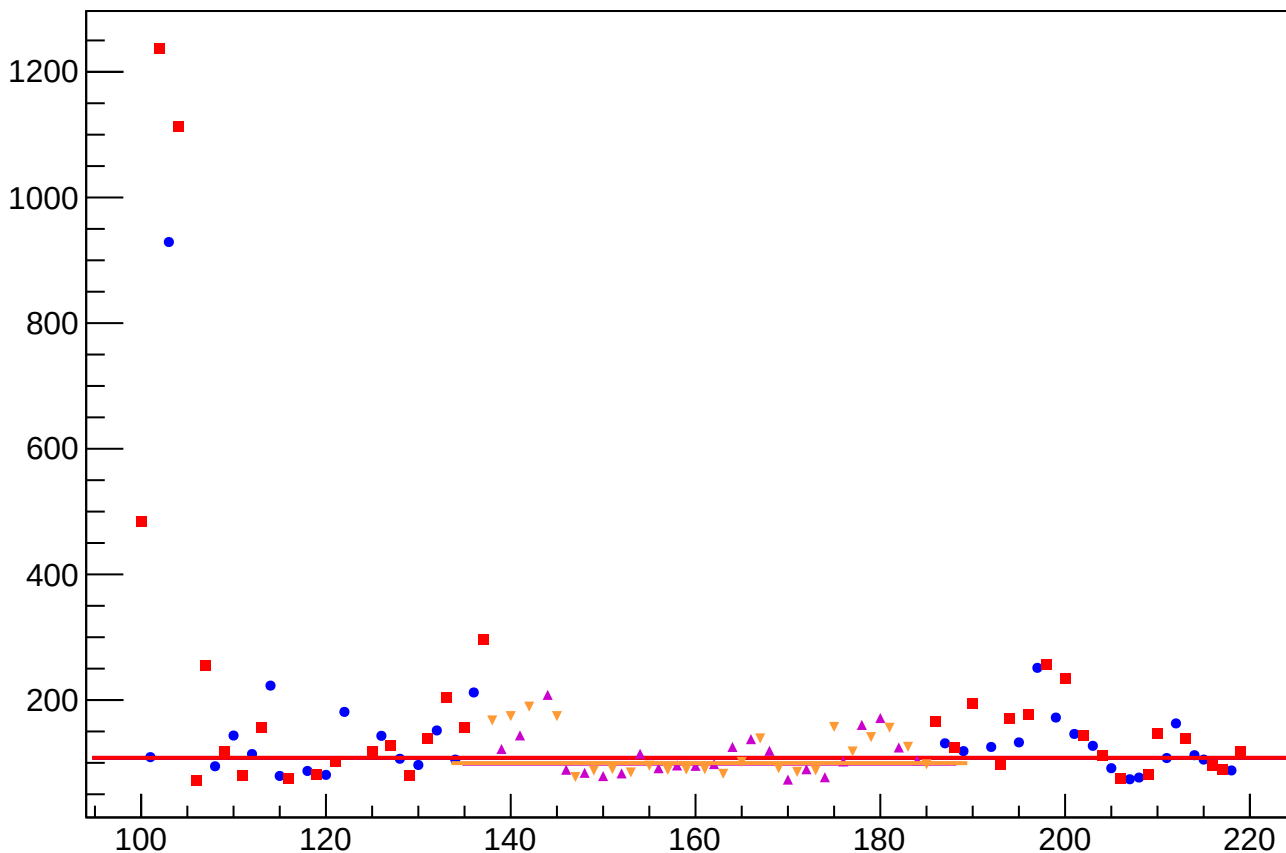
Left In: 0.044 $\pm$ 0.025 χ^2 /NDF:30.3/22

+ sign 0.013 $\pm$ 0.019 χ^2 /NDF: 68.5/55

All: 0.023 $\pm$ 0.013 χ^2 /NDF: 129.8/113

- sign 0.033 $\pm$ 0.019 χ^2 /NDF: 60.7/57

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 107.855 $\pm$ 0.020 χ^2 /NDF: 3442237.0/31

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF:2070986.6/23

Right Out: 107.997 $\pm$ 0.020 χ^2 /NDF: 5101569.5/34

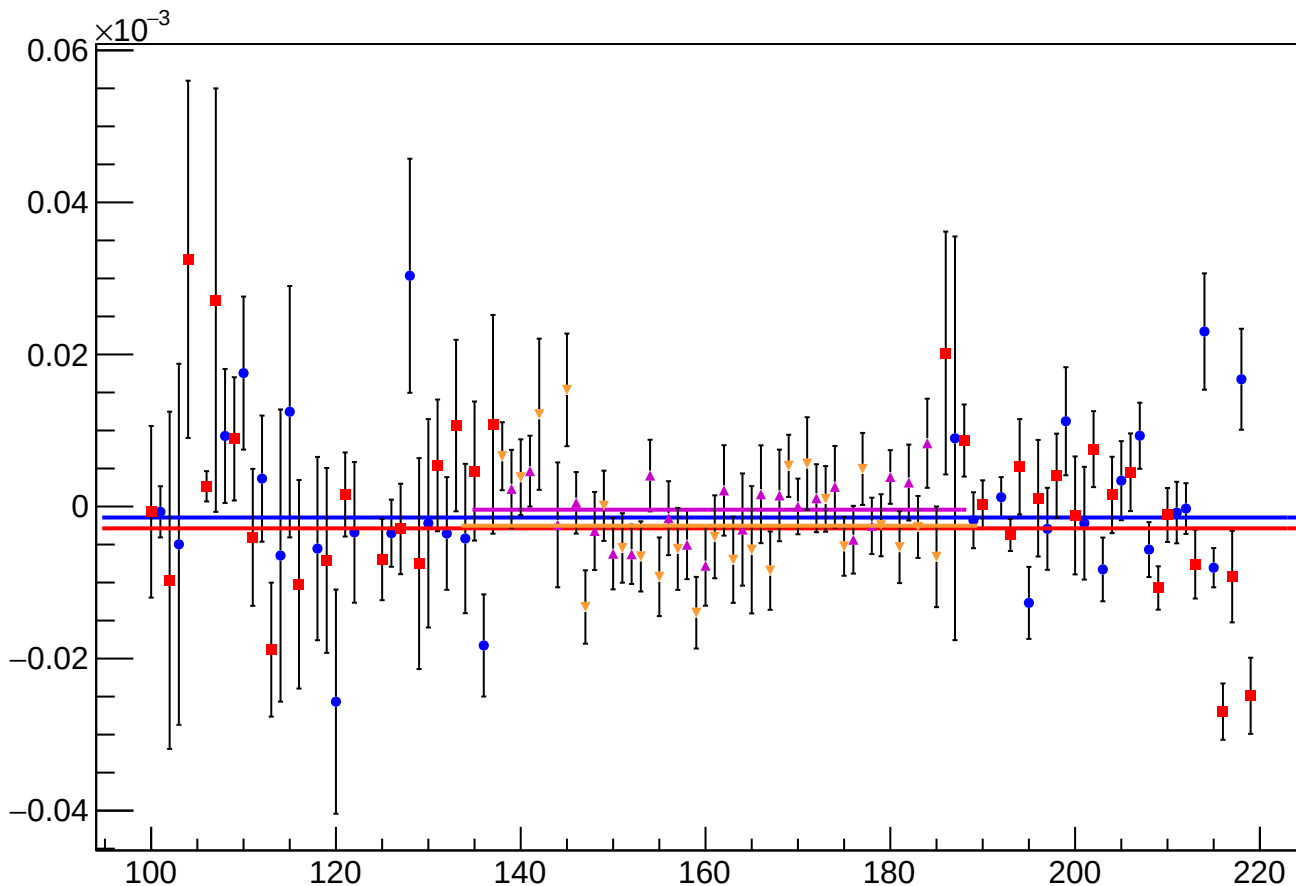
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF:2003365.1/22

+ sign 103.333 $\pm$ 0.013 χ^2 /NDF: 5609732.2/55

All: 103.083 $\pm$ 0.009 χ^2 /NDF: 12839114.4/11

- sign 102.835 $\pm$ 0.013 χ^2 /NDF: 7228671.5/57

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 65.5/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 40.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 113.9/34

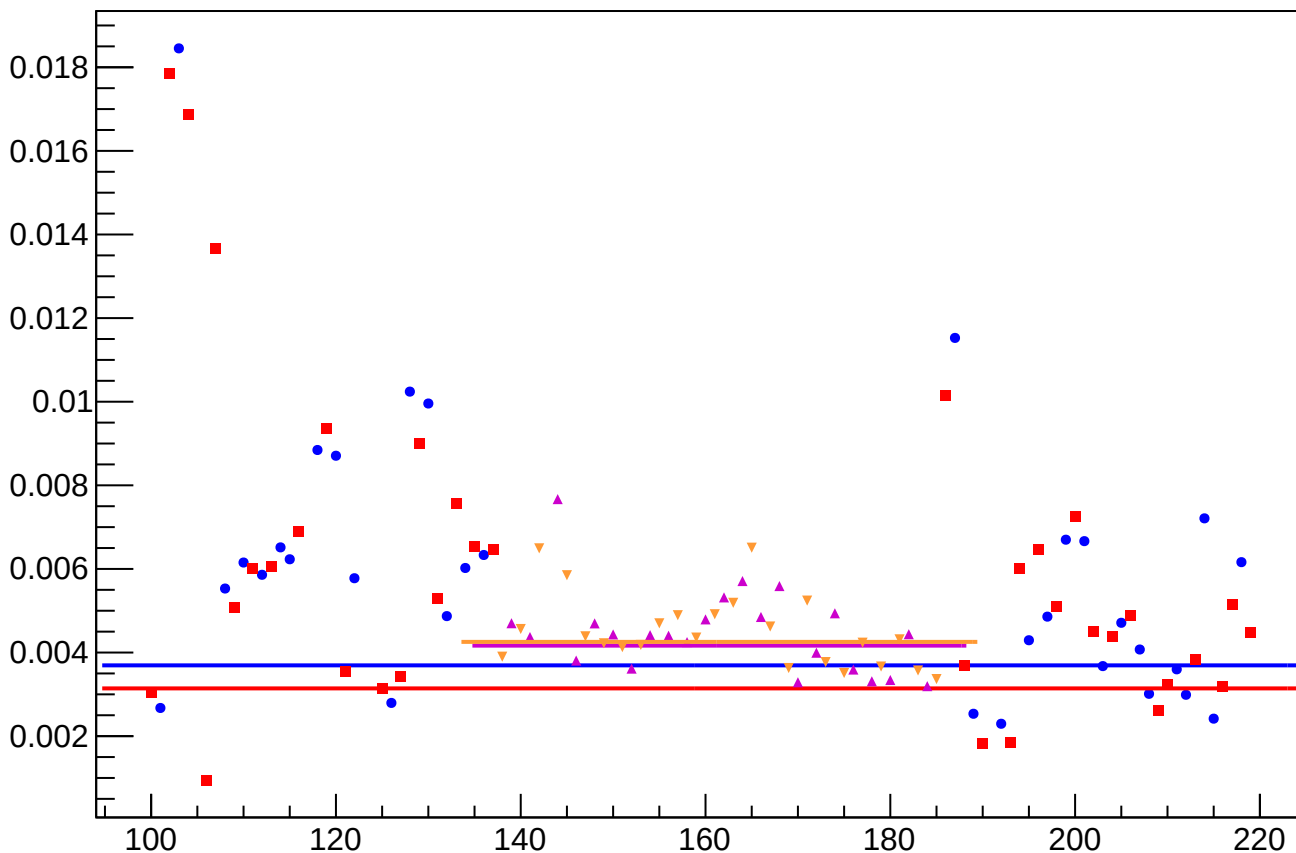
Left In: -0.000 ± 0.000 χ^2/NDF : 15.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 106.3/55

All: -0.000 ± 0.000 χ^2/NDF : 239.7/113

- sign -0.000 ± 0.000 χ^2/NDF : 133.4/57

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 6599375.4/31

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF :833222.5/23

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 10784398.7/34

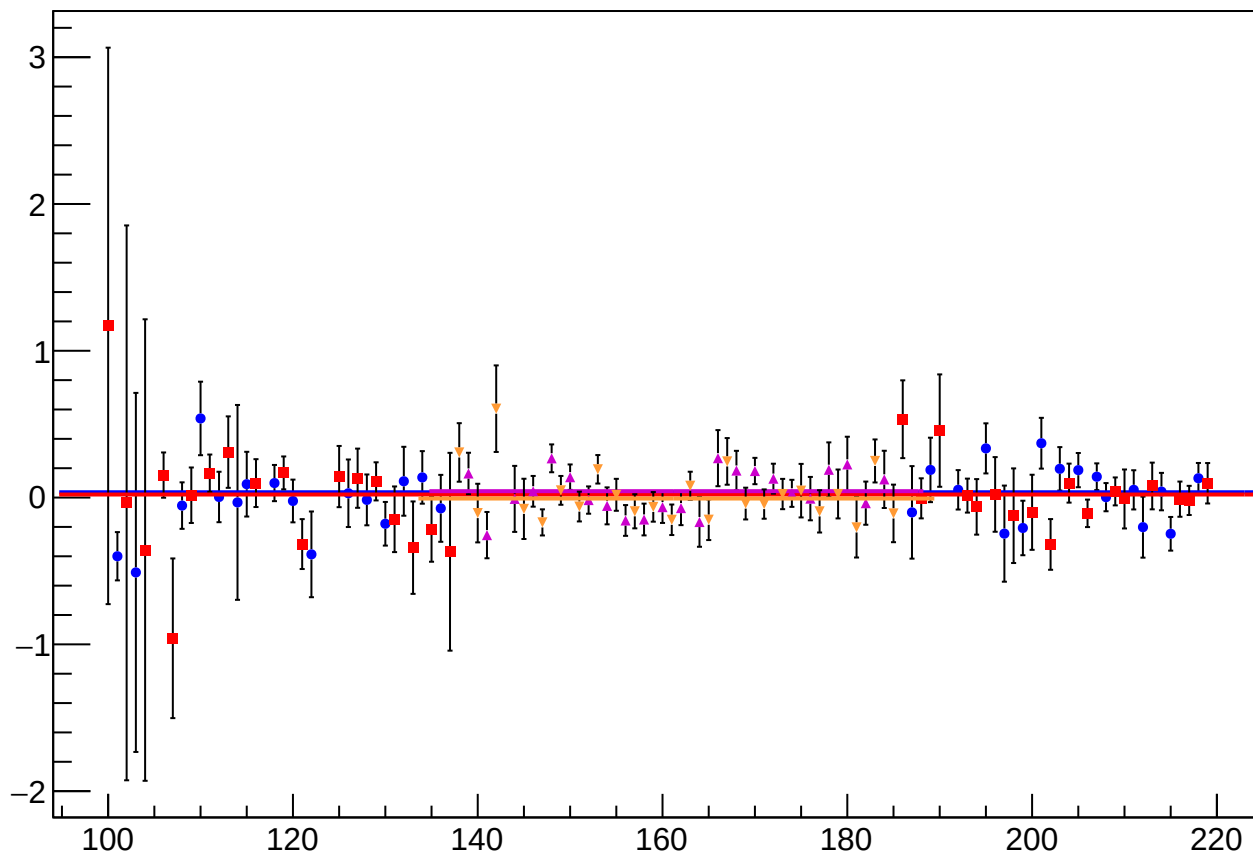
Left In: 0.004 $\pm$ 0.000 χ^2/NDF :1277434.2/22

+ sign 0.004 $\pm$ 0.000 χ^2/NDF : 7768332.5/55

All: 0.004 $\pm$ 0.000 χ^2/NDF : 21404236.9/113

- sign 0.004 $\pm$ 0.000 χ^2/NDF : 13302020.3/57

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036 $\pm$ 0.028 χ^2 /NDF: 39.6/31

Left Out: -0.007 $\pm$ 0.025 χ^2 /NDF:27.7/23

Right Out: 0.021 $\pm$ 0.028 χ^2 /NDF: 30.0/34

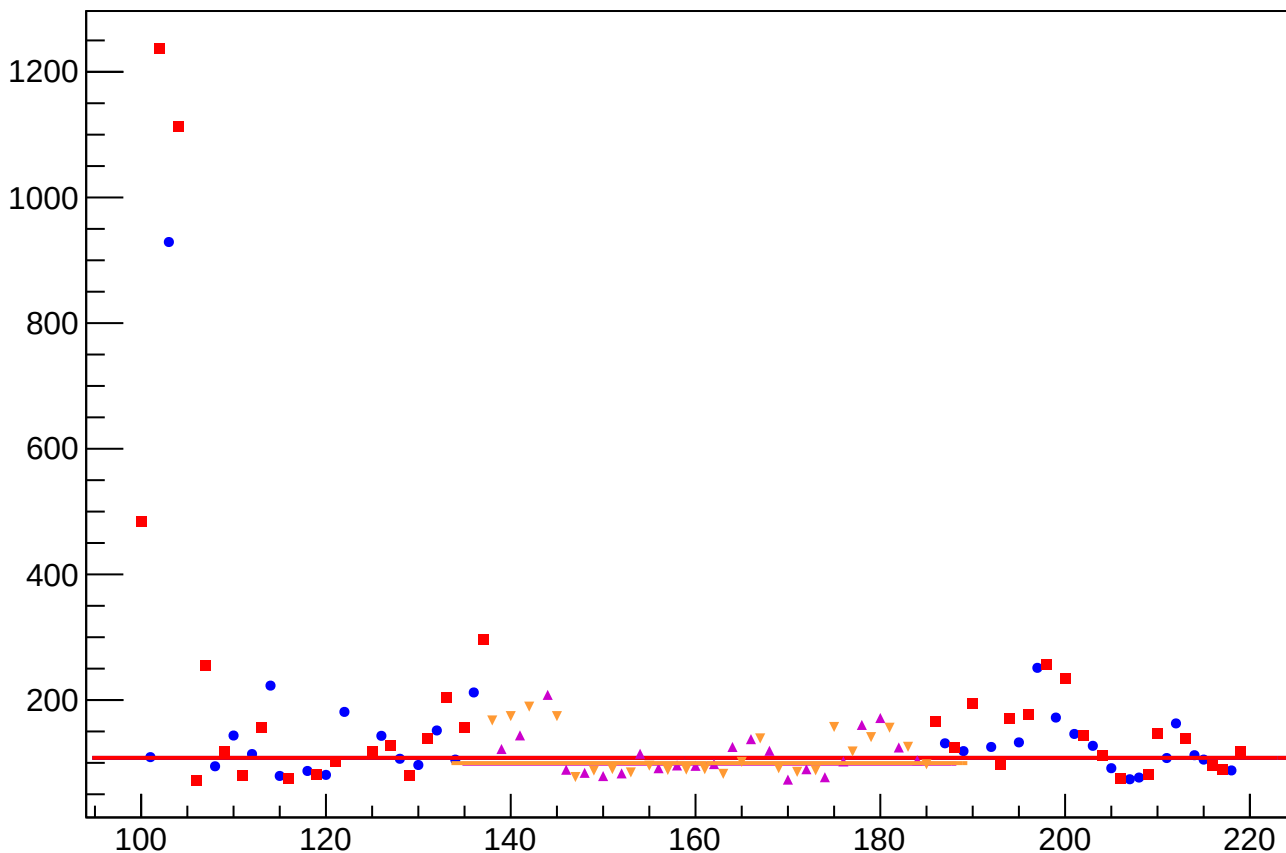
Left In: 0.044 $\pm$ 0.025 χ^2 /NDF:30.3/22

+ sign 0.013 $\pm$ 0.019 χ^2 /NDF: 68.5/55

All: 0.023 $\pm$ 0.013 χ^2 /NDF: 129.8/113

- sign 0.033 $\pm$ 0.019 χ^2 /NDF: 60.7/57

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 107.855 $\pm$ 0.020 χ^2 /NDF: 3442159.2/31

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF: 2070951.9/23

Right Out: 107.997 $\pm$ 0.020 χ^2 /NDF: 5101548.5/34

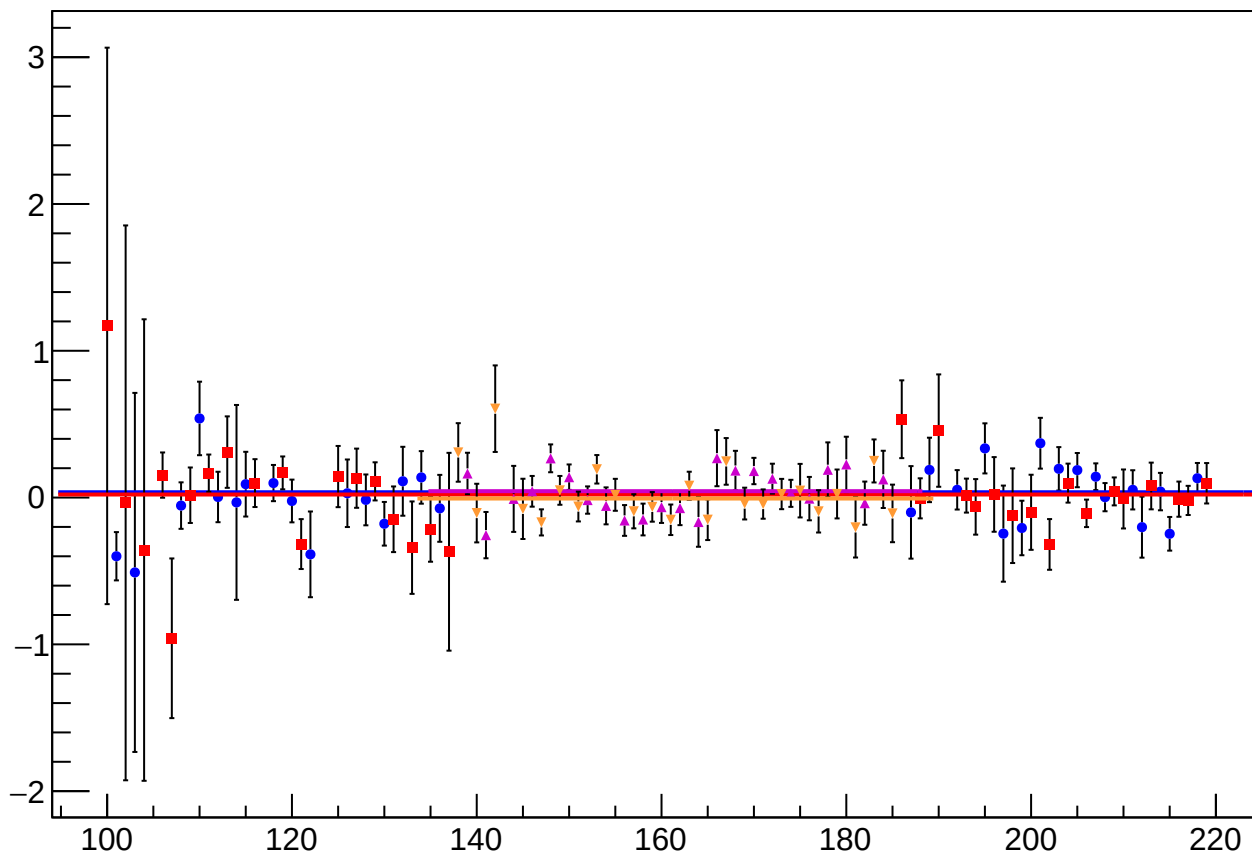
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF: 2003332.7/22

+ sign 103.333 $\pm$ 0.013 χ^2 /NDF: 5609603.6/55

All: 103.083 $\pm$ 0.009 χ^2 /NDF: 12838915.3/11

- sign 102.835 $\pm$ 0.013 χ^2 /NDF: 7228600.1/57

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036 $\pm$ 0.028 χ^2 /NDF: 39.6/31

Left Out: -0.007 $\pm$ 0.025 χ^2 /NDF:27.7/23

Right Out: 0.021 $\pm$ 0.028 χ^2 /NDF: 30.0/34

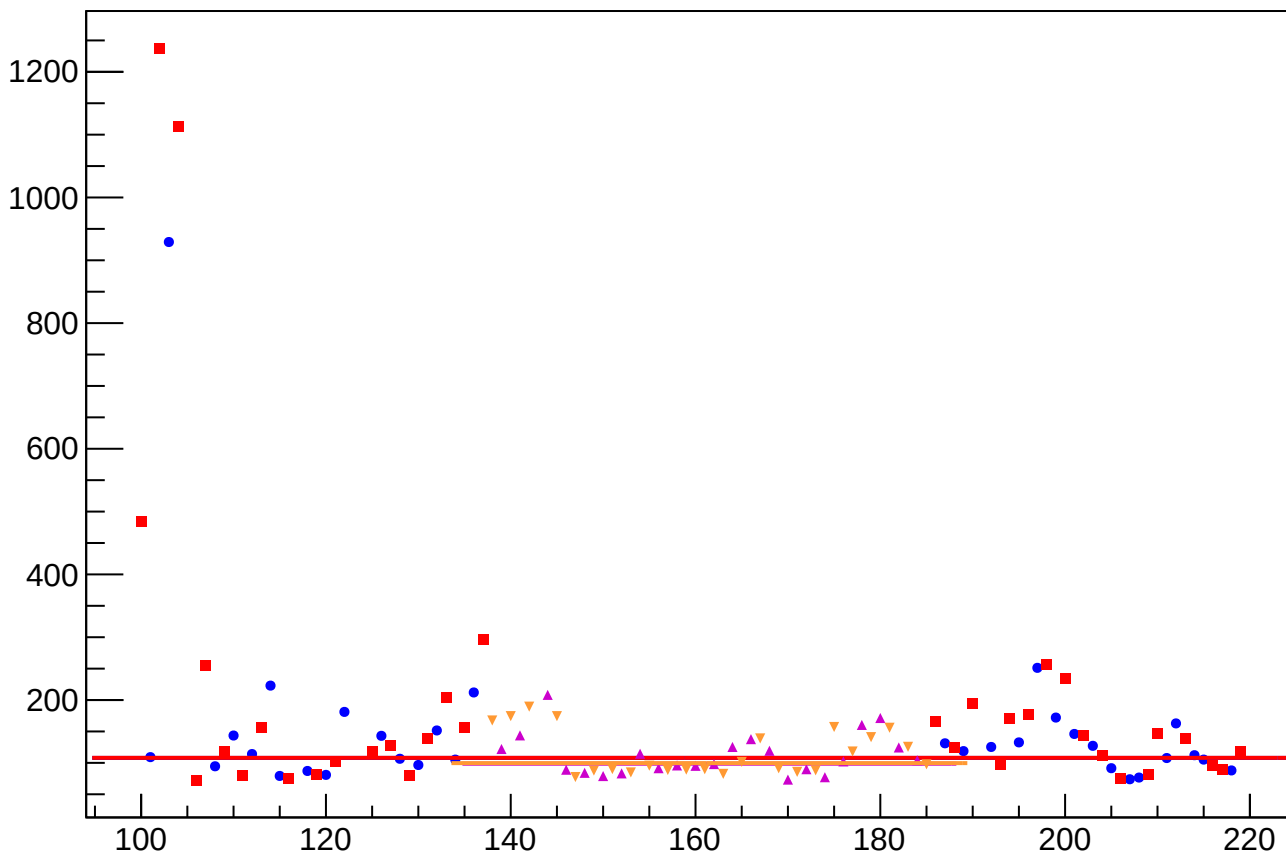
Left In: 0.044 $\pm$ 0.025 χ^2 /NDF:30.3/22

+ sign 0.013 $\pm$ 0.019 χ^2 /NDF: 68.5/55

All: 0.023 $\pm$ 0.013 χ^2 /NDF: 129.8/113

- sign 0.033 $\pm$ 0.019 χ^2 /NDF: 60.7/57

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 107.855 $\pm$ 0.020 χ^2 /NDF: 3442159.2/31

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF:2070951.9/23

Right Out: 107.997 $\pm$ 0.020 χ^2 /NDF: 5101548.5/34

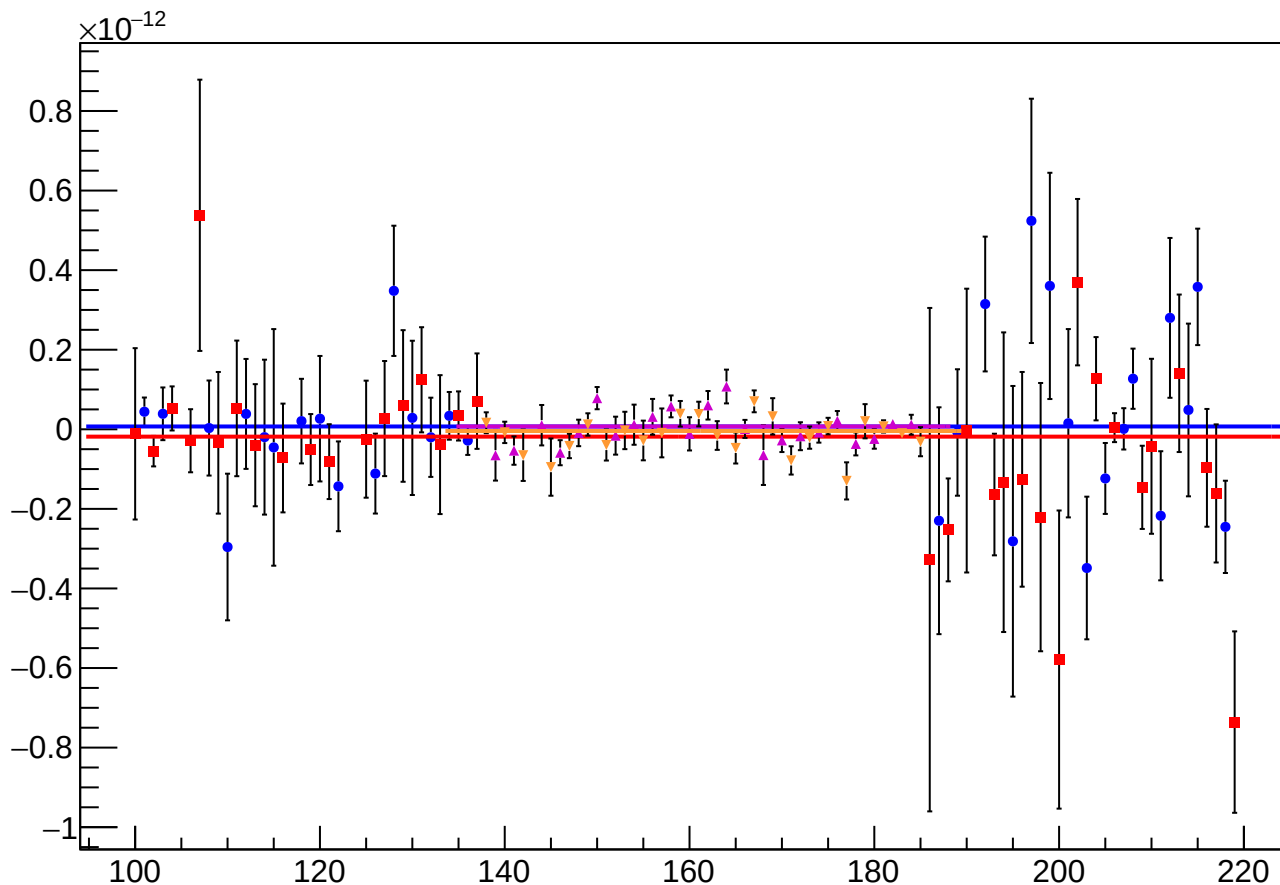
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF:2003332.7/22

+ sign 103.333 $\pm$ 0.013 χ^2 /NDF: 5609603.6/55

All: 103.083 $\pm$ 0.009 χ^2 /NDF: 12838915.3/11

- sign 102.835 $\pm$ 0.013 χ^2 /NDF: 7228600.1/57

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.7/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:32.9/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.9/34

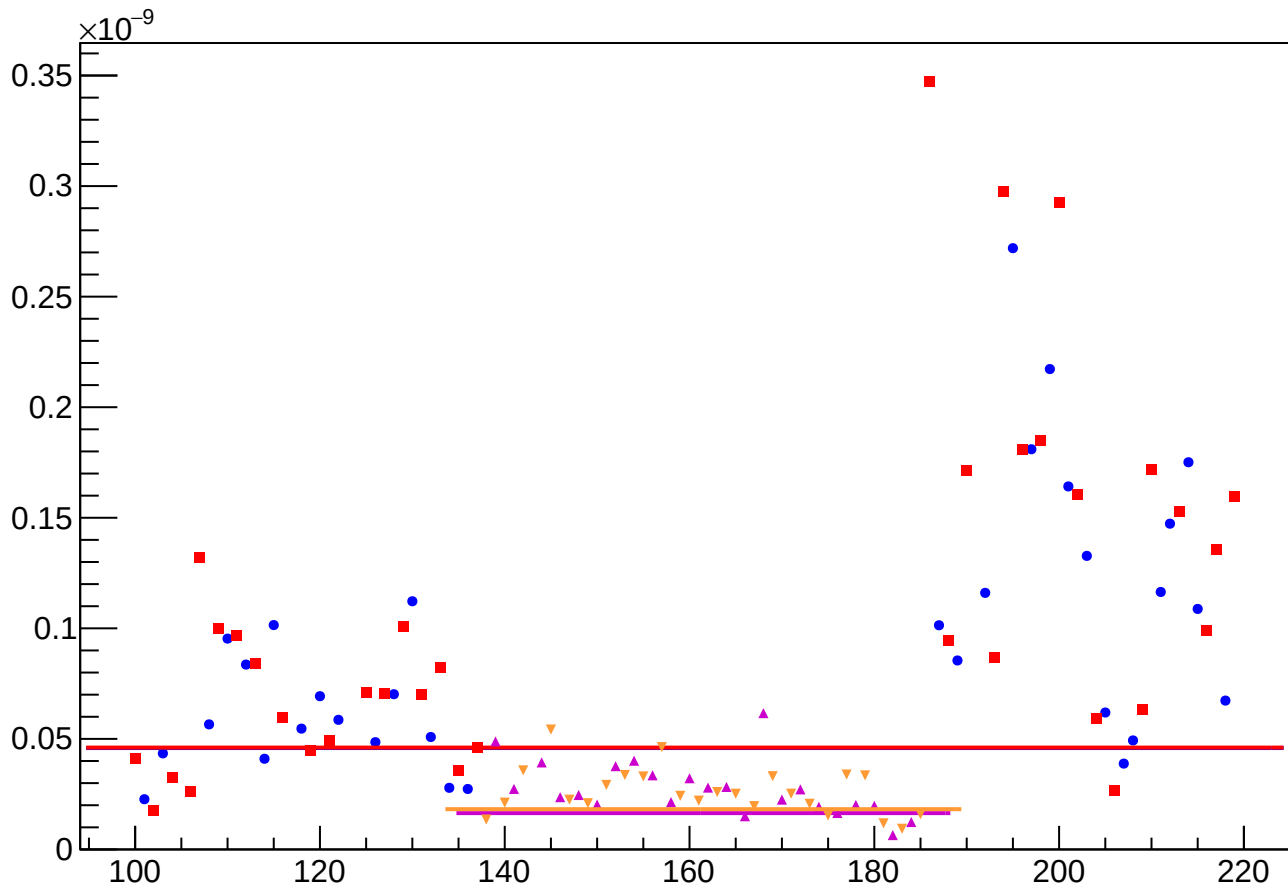
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:35.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 78.1/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 151.3/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 72.1/57

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 7737185.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4306302.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9952500.3/34

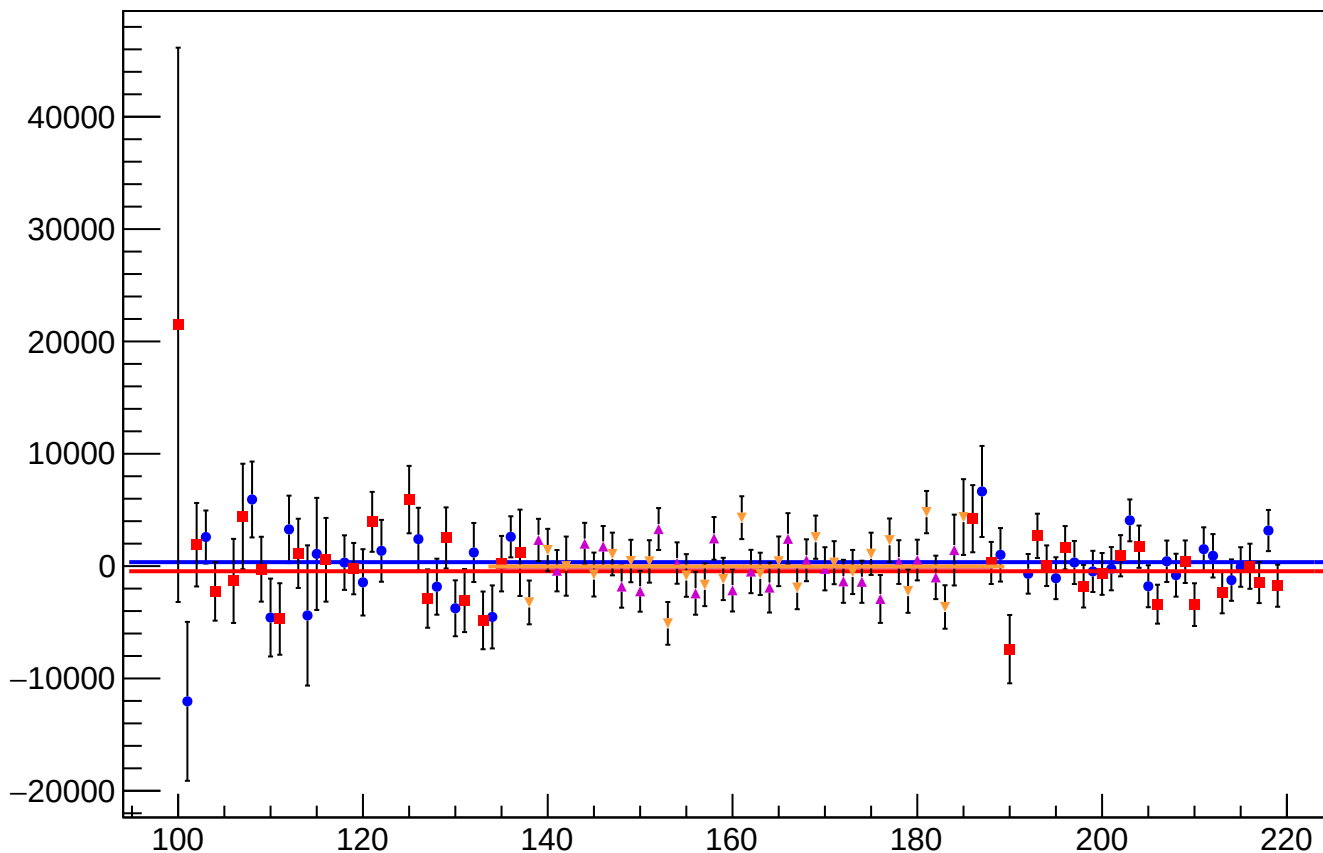
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 7007463.5/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 17153191.0/55

All: 0.000 $\pm$ 0.000 χ^2/NDF : 39709258.7/113

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 22386954.3/57

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 353.792 ± 399.672 χ^2/NDF : 32.4/31

Left Out: -34.799 ± 401.970 χ^2/NDF : 35.4/23

Right Out: -456.393 ± 393.191 χ^2/NDF : 39.7/34

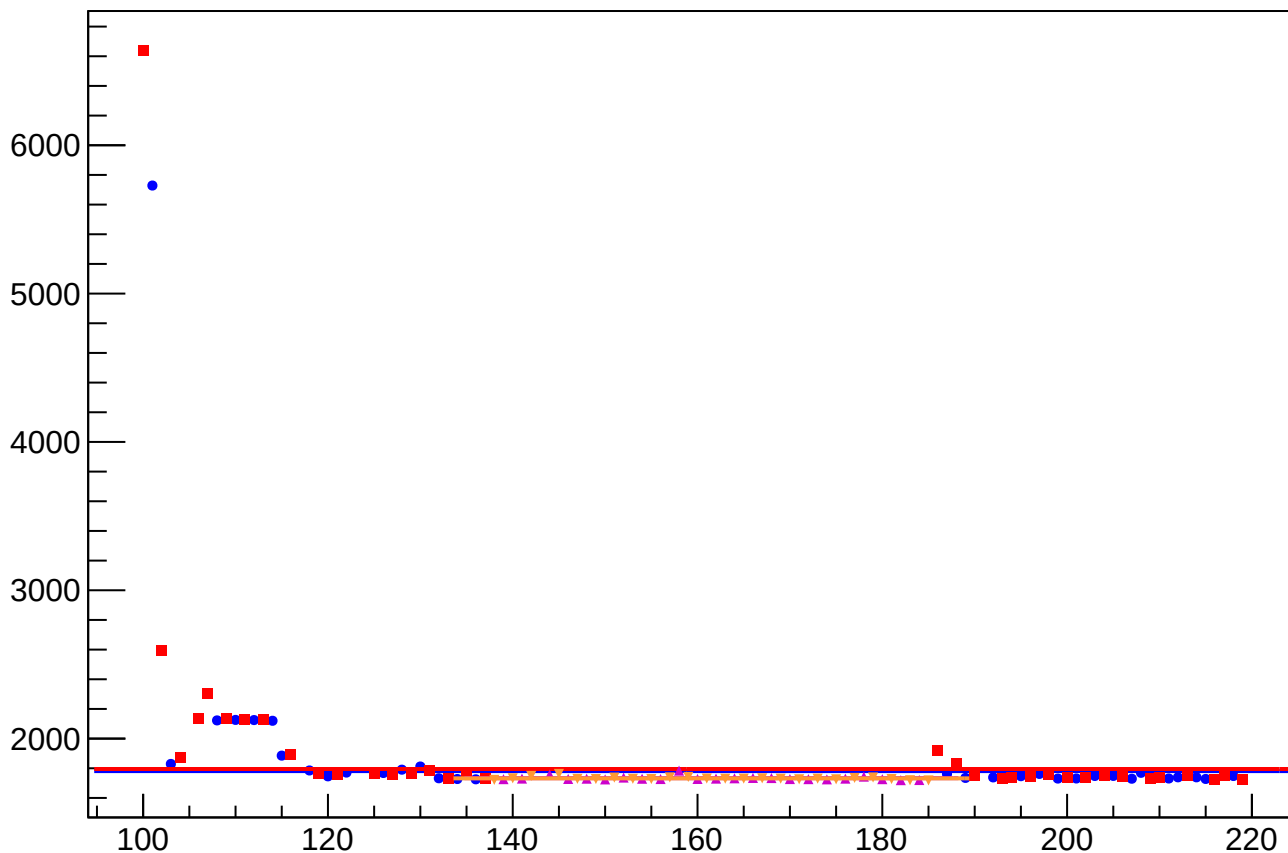
Left In: -52.796 ± 404.703 χ^2/NDF : 19.4/22

+ sign 160.611 ± 283.420 χ^2/NDF : 68.3/55

All: -50.953 ± 199.908 χ^2/NDF : 129.0/113

- sign -260.416 ± 282.010 χ^2/NDF : 59.6/57

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1780.967 $\pm$ 0.283 χ^2 /NDF: 715160.3/31

Left Out: 1731.985 $\pm$ 0.284 χ^2 /NDF: 937.2/23

Right Out: 1795.108 $\pm$ 0.278 χ^2 /NDF: 319975.4/34

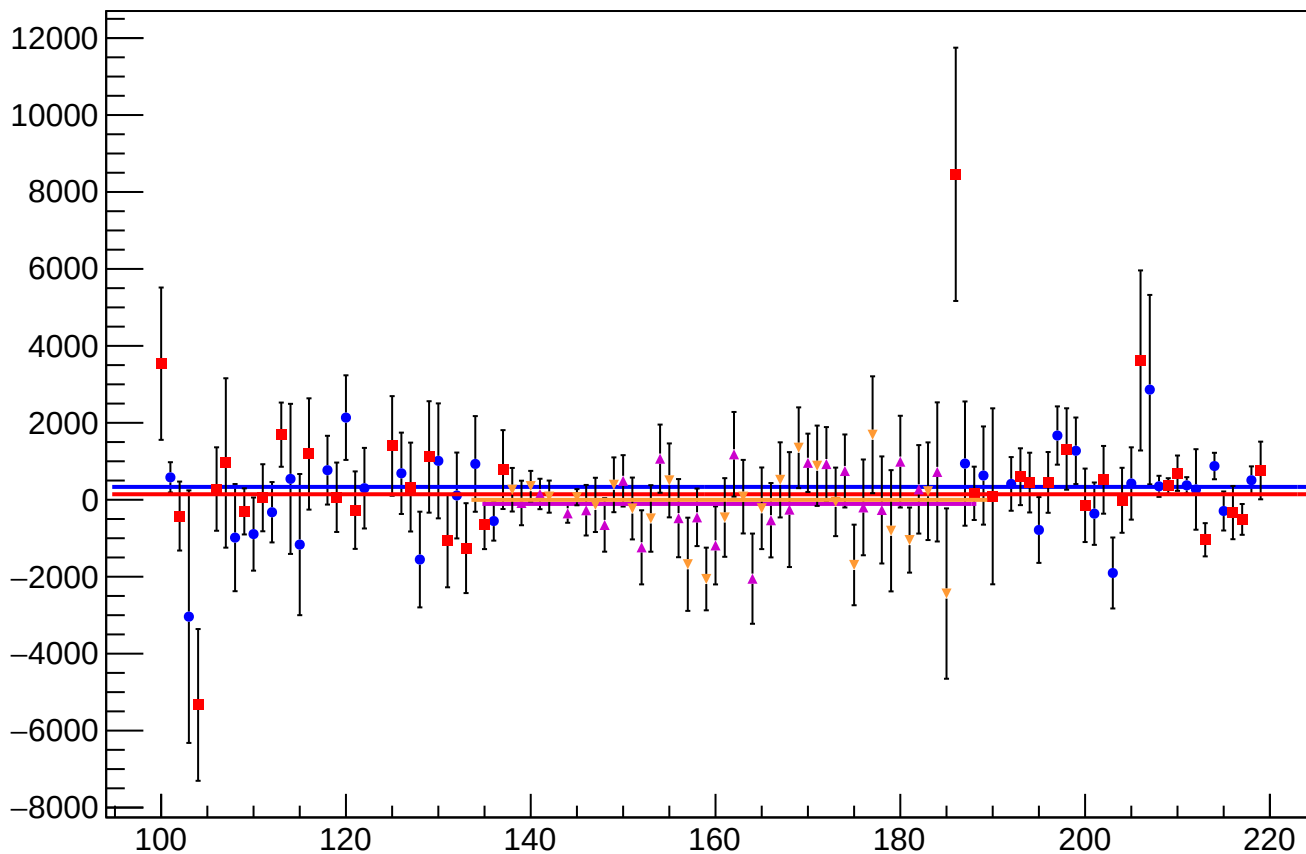
Left In: 1733.315 $\pm$ 0.286 χ^2 /NDF: 2230.5/22

+ sign 1756.616 $\pm$ 0.200 χ^2 /NDF: 731031.0/55

All: 1760.881 $\pm$ 0.141 χ^2 /NDF: 1078124.0/11

- sign 1765.103 $\pm$ 0.199 χ^2 /NDF: 346191.9/57

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug



Right In: 334.147 ± 106.185 χ^2/NDF : 32.4/31

Left Out: -2.406 ± 130.052 χ^2/NDF : 20.3/23

Right Out: 143.447 ± 115.645 χ^2/NDF : 46.3/34

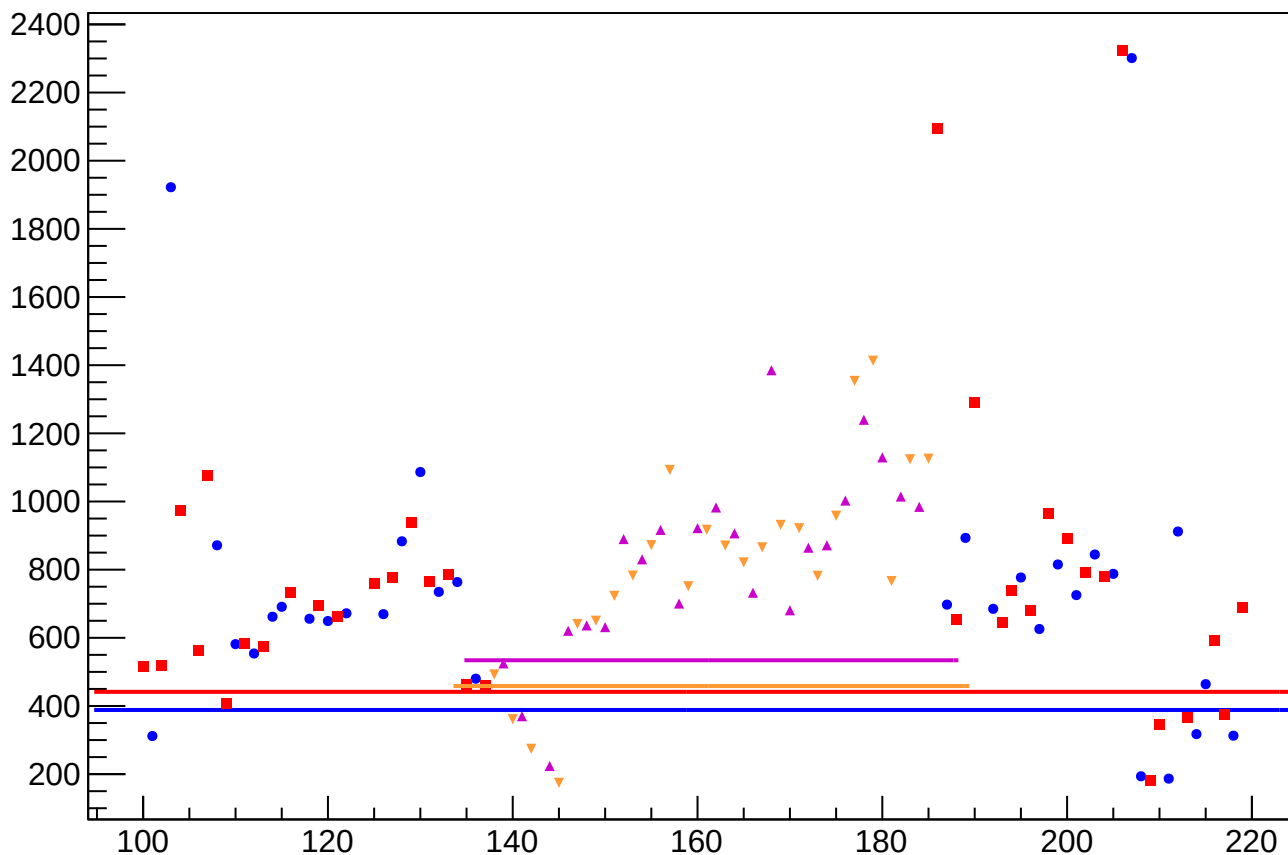
Left In: -108.386 ± 143.315 χ^2/NDF : 17.0/22

+ sign 199.528 ± 82.251 χ^2/NDF : 56.7/55

All: 128.807 ± 60.715 χ^2/NDF : 123.5/113

- sign 44.135 ± 89.999 χ^2/NDF : 65.2/57

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 388.300 $\pm$ 0.075 χ^2/NDF : 10575081.6/31

Left Out: 458.579 $\pm$ 0.092 χ^2/NDF : 11426734.4/23

Right Out: 441.474 $\pm$ 0.082 χ^2/NDF : 9917680.0/34

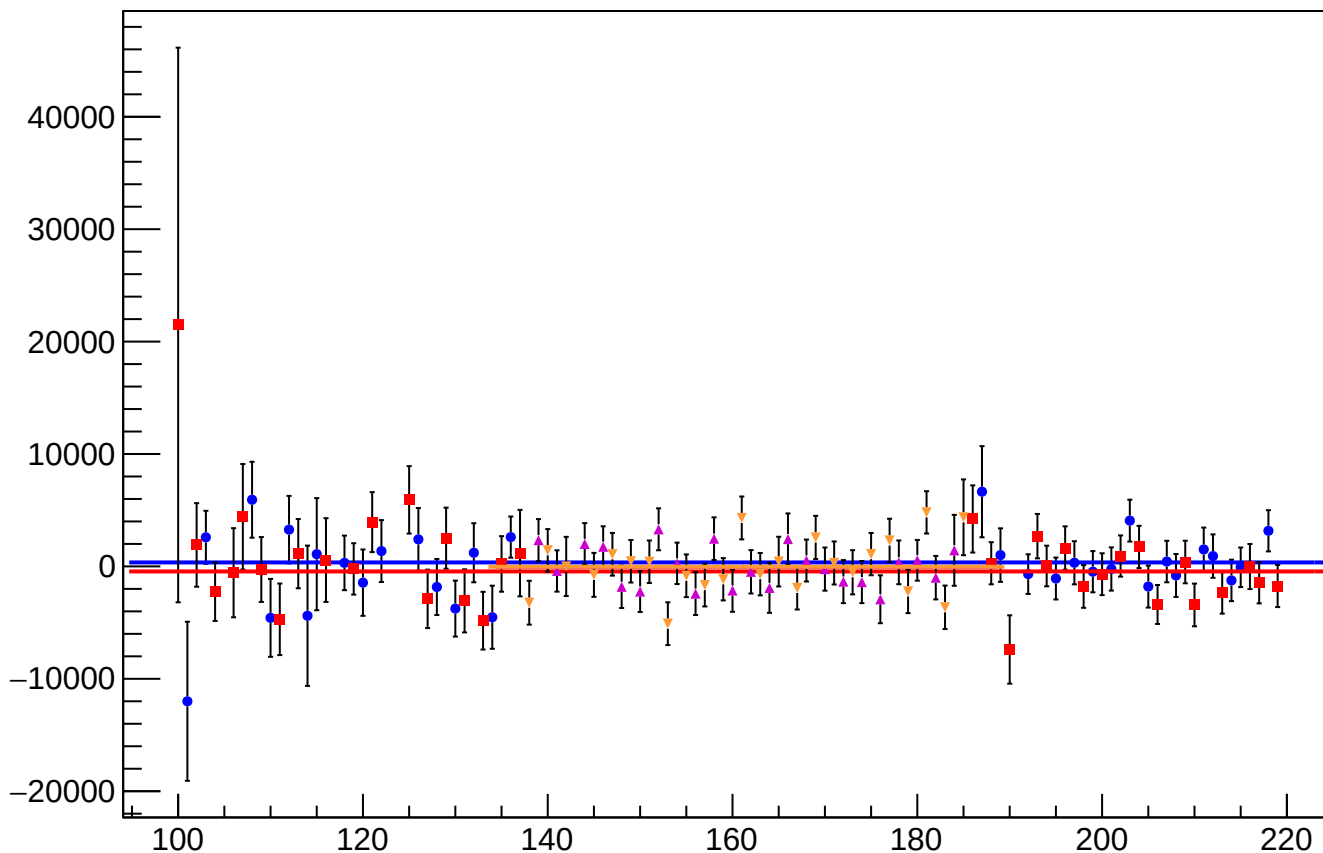
Left In: 534.161 $\pm$ 0.101 χ^2/NDF : 8443293.1/22

+ sign 416.411 $\pm$ 0.058 χ^2/NDF : 22352250.8/55

All: 444.453 $\pm$ 0.043 χ^2/NDF : 41730643.2/11

- sign 478.026 $\pm$ 0.064 χ^2/NDF : 18867608.2/57

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 353.821 ± 399.672 χ^2/NDF : 32.4/31

Left Out: -34.742 ± 401.970 χ^2/NDF : 35.4/23

Right Out: -447.853 ± 393.428 χ^2/NDF : 39.6/34

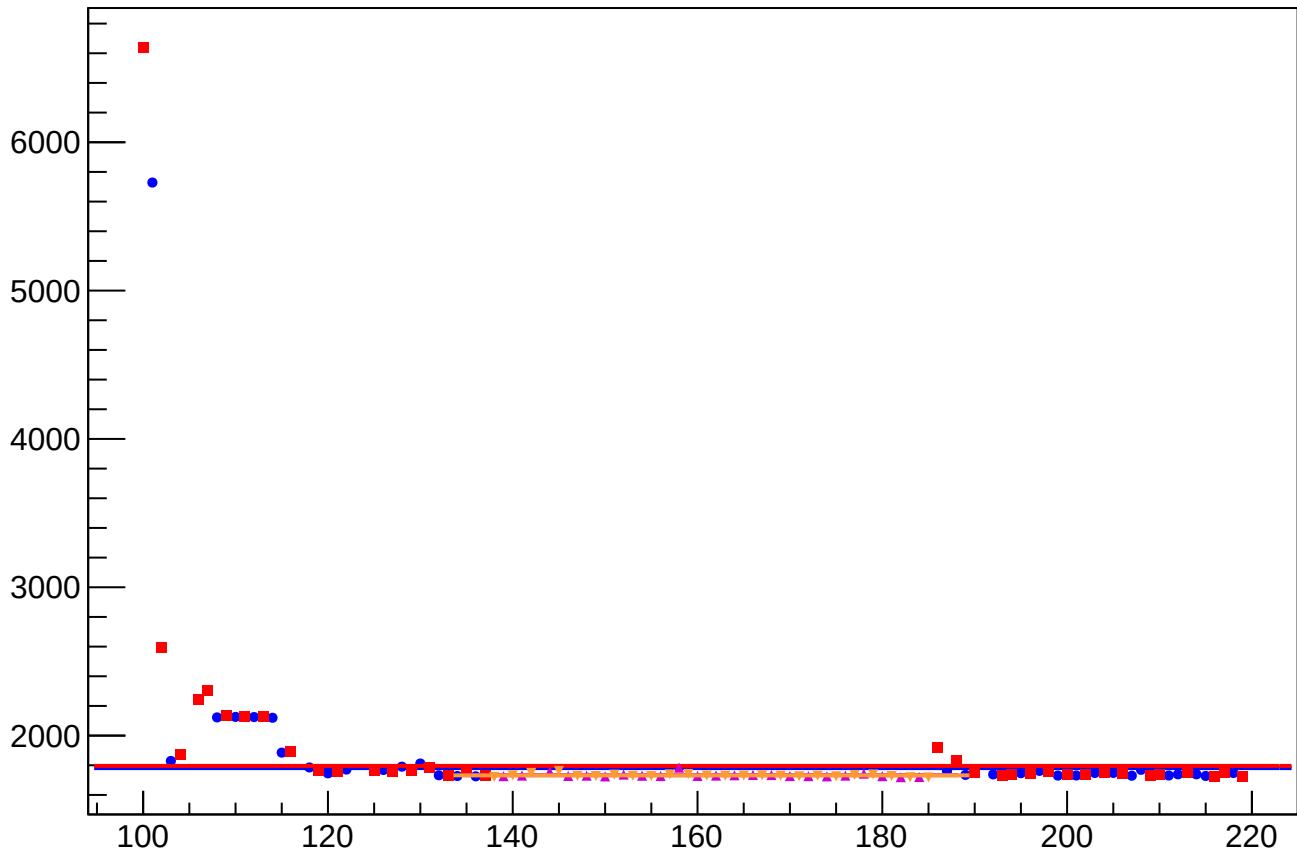
Left In: -52.714 ± 404.703 χ^2/NDF : 19.4/22

+ sign 160.653 ± 283.420 χ^2/NDF : 68.3/55

All: -48.580 ± 199.939 χ^2/NDF : 128.9/113

- sign -255.864 ± 282.097 χ^2/NDF : 59.5/57

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1780.967 $\pm$ 0.283 χ^2 /NDF: 715160.2/31

Left Out: 1731.985 $\pm$ 0.284 χ^2 /NDF: 937.2/23

Right Out: 1795.732 $\pm$ 0.278 χ^2 /NDF: 328693.4/34

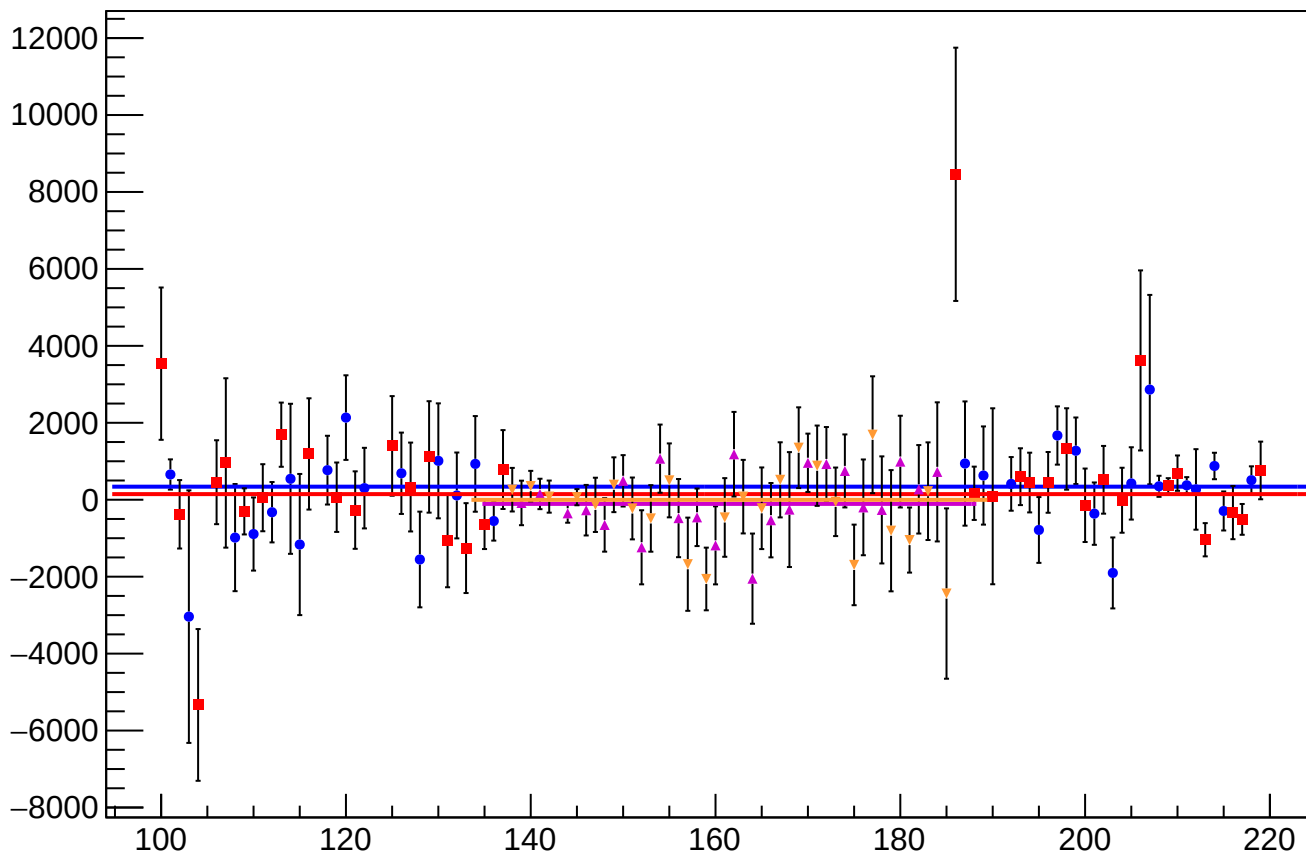
Left In: 1733.315 $\pm$ 0.286 χ^2 /NDF: 2230.5/22

+ sign 1756.616 $\pm$ 0.200 χ^2 /NDF: 731030.8/55

All: 1761.031 $\pm$ 0.141 χ^2 /NDF: 1087379.5/11

- sign 1765.405 $\pm$ 0.199 χ^2 /NDF: 355382.5/57

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug



Right In: 339.613 ± 106.174 χ^2/NDF : 32.7/31

Left Out: -2.529 ± 130.054 χ^2/NDF : 20.3/23

Right Out: 146.094 ± 115.637 χ^2/NDF : 46.3/34

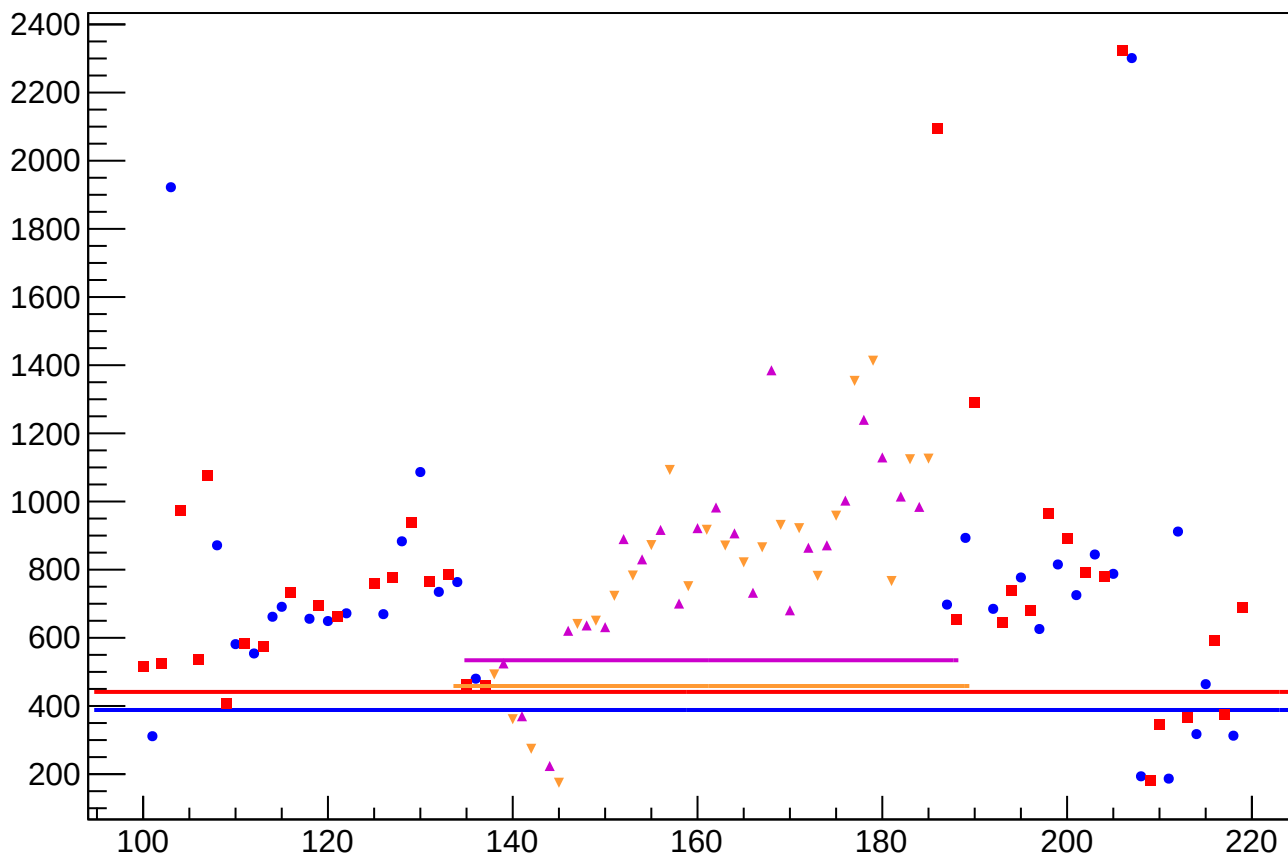
Left In: -108.358 ± 143.315 χ^2/NDF : 17.0/22

+ sign 202.779 ± 82.246 χ^2/NDF : 57.1/55

All: 131.318 ± 60.712 χ^2/NDF : 124.0/113

- sign 45.758 ± 89.995 χ^2/NDF : 65.2/57

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 388.233+/-0.075 χ^2/NDF : 10577148.1/31

Left Out: 458.589+/-0.092 χ^2/NDF : 11426319.1/23

Right Out: 441.273+/-0.082 χ^2/NDF : 9911328.2/34

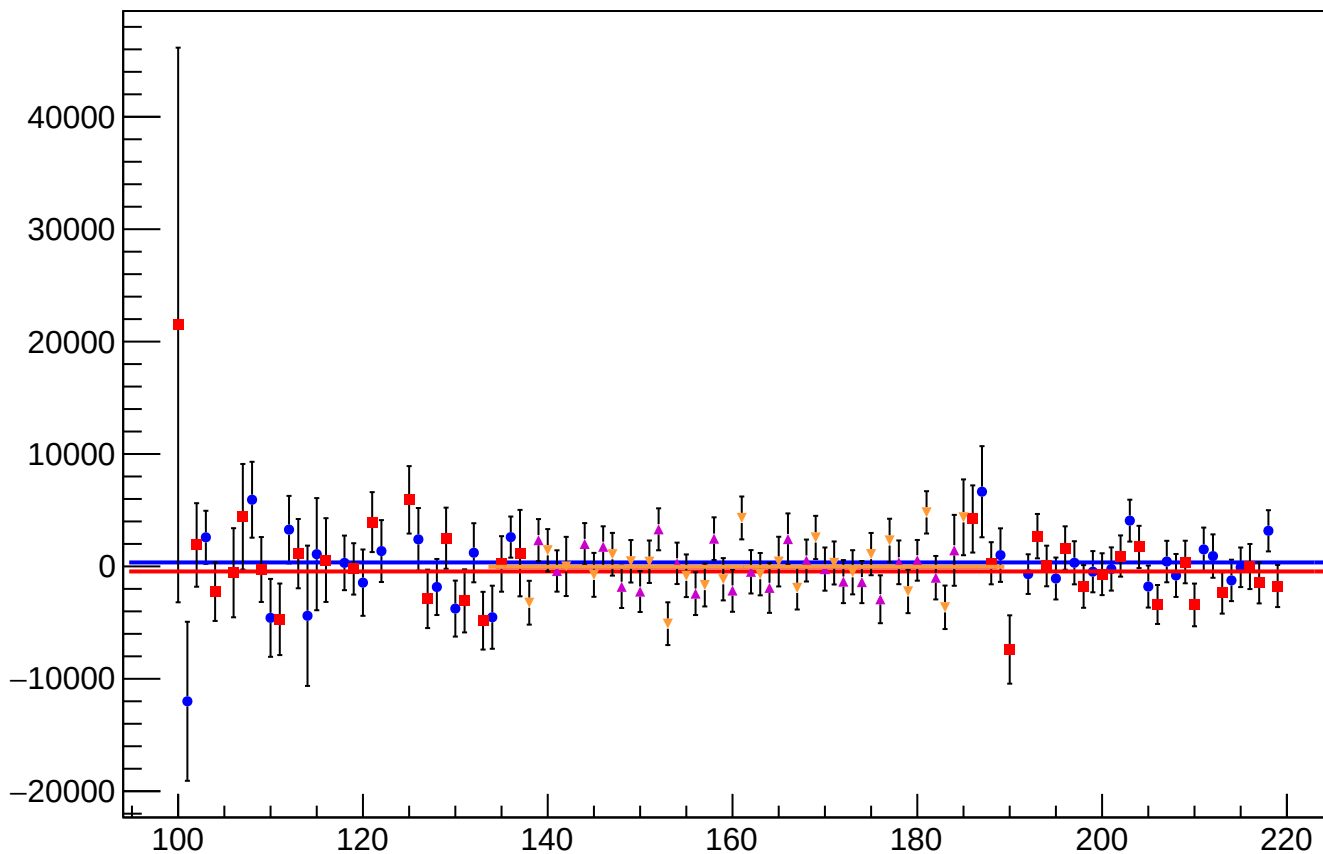
Left In: 534.168+/-0.101 χ^2/NDF : 8442812.5/22

+ sign 416.371+/-0.058 χ^2/NDF : 22354692.9/55

All: 444.375+/-0.043 χ^2/NDF : 41727258.6/1

- sign 477.904+/-0.064 χ^2/NDF : 18863091.3/57

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 353.821 ± 399.672 χ^2/NDF : 32.4/31

Left Out: -34.742 ± 401.970 χ^2/NDF : 35.4/23

Right Out: -447.853 ± 393.428 χ^2/NDF : 39.6/34

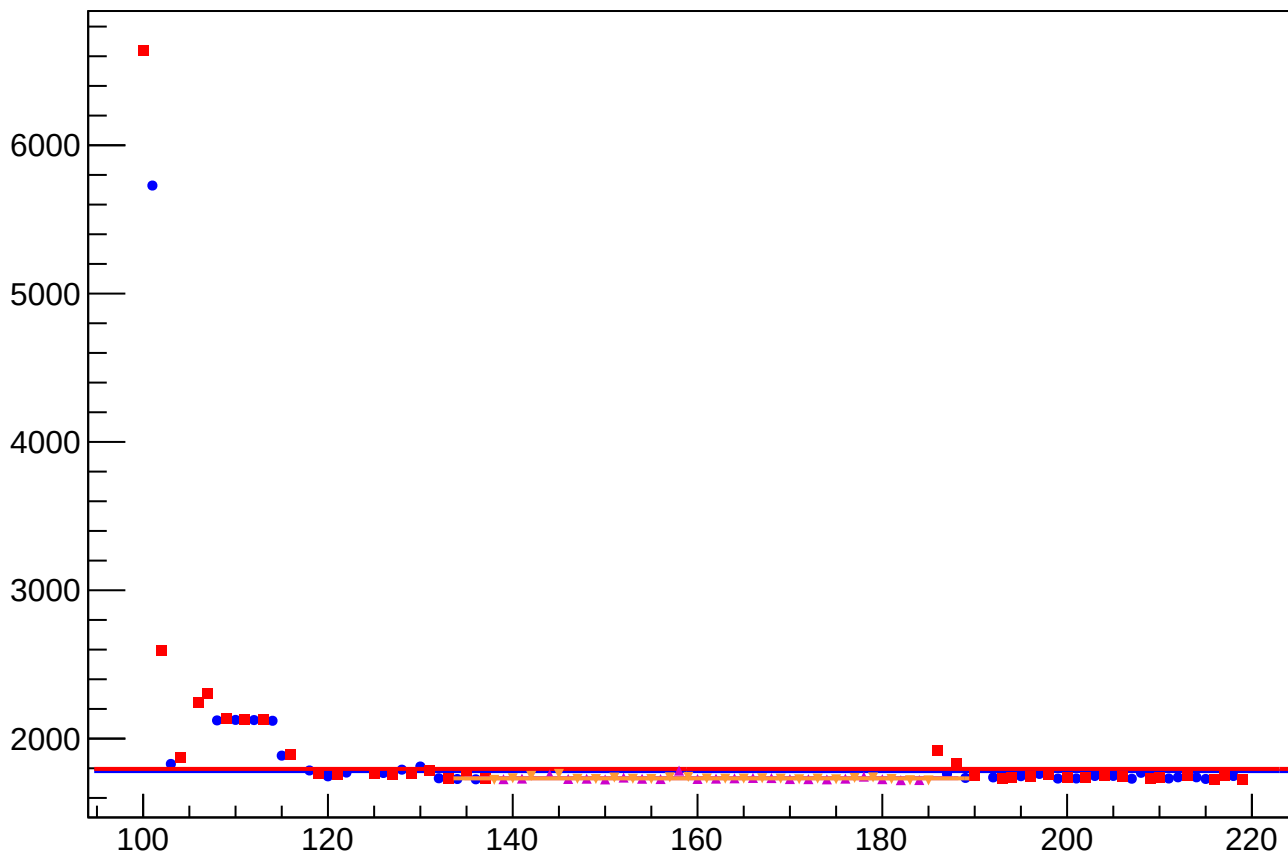
Left In: -52.714 ± 404.703 χ^2/NDF : 19.4/22

+ sign 160.653 ± 283.420 χ^2/NDF : 68.3/55

All: -48.580 ± 199.939 χ^2/NDF : 128.9/113

- sign -255.864 ± 282.097 χ^2/NDF : 59.5/57

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1780.967 $\pm$ 0.283 χ^2 /NDF: 715160.2/31

Left Out: 1731.985 $\pm$ 0.284 χ^2 /NDF: 937.2/23

Right Out: 1795.732 $\pm$ 0.278 χ^2 /NDF: 328693.4/34

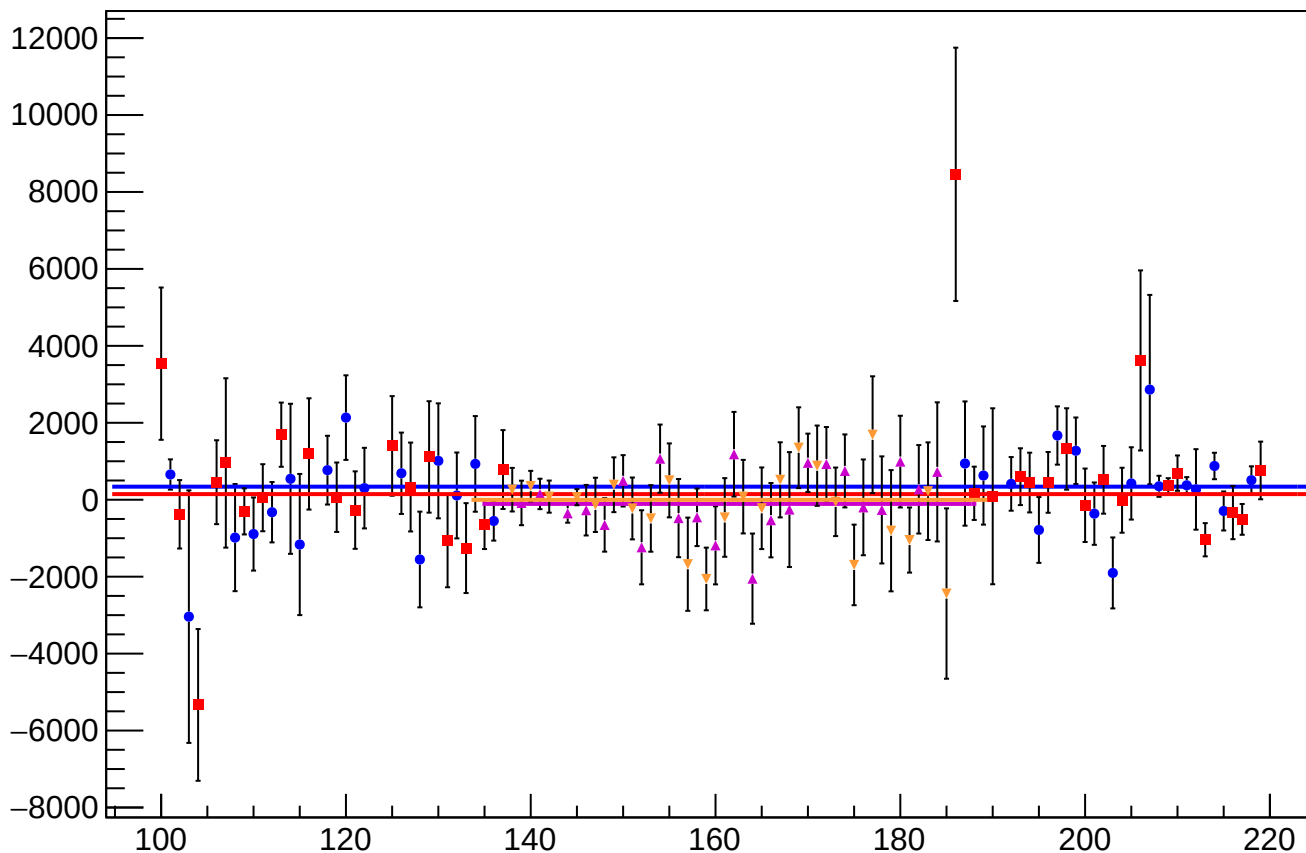
Left In: 1733.315 $\pm$ 0.286 χ^2 /NDF: 2230.5/22

+ sign 1756.616 $\pm$ 0.200 χ^2 /NDF: 731030.8/55

All: 1761.031 $\pm$ 0.141 χ^2 /NDF: 1087379.5/11

- sign 1765.405 $\pm$ 0.199 χ^2 /NDF: 355382.5/57

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 339.613 $\pm$ 106.174 χ^2 /NDF: 32.7/31

Left Out: -2.529 $\pm$ 130.054 χ^2 /NDF:20.3/23

Right Out: 146.094 $\pm$ 115.637 χ^2 /NDF: 46.3/34

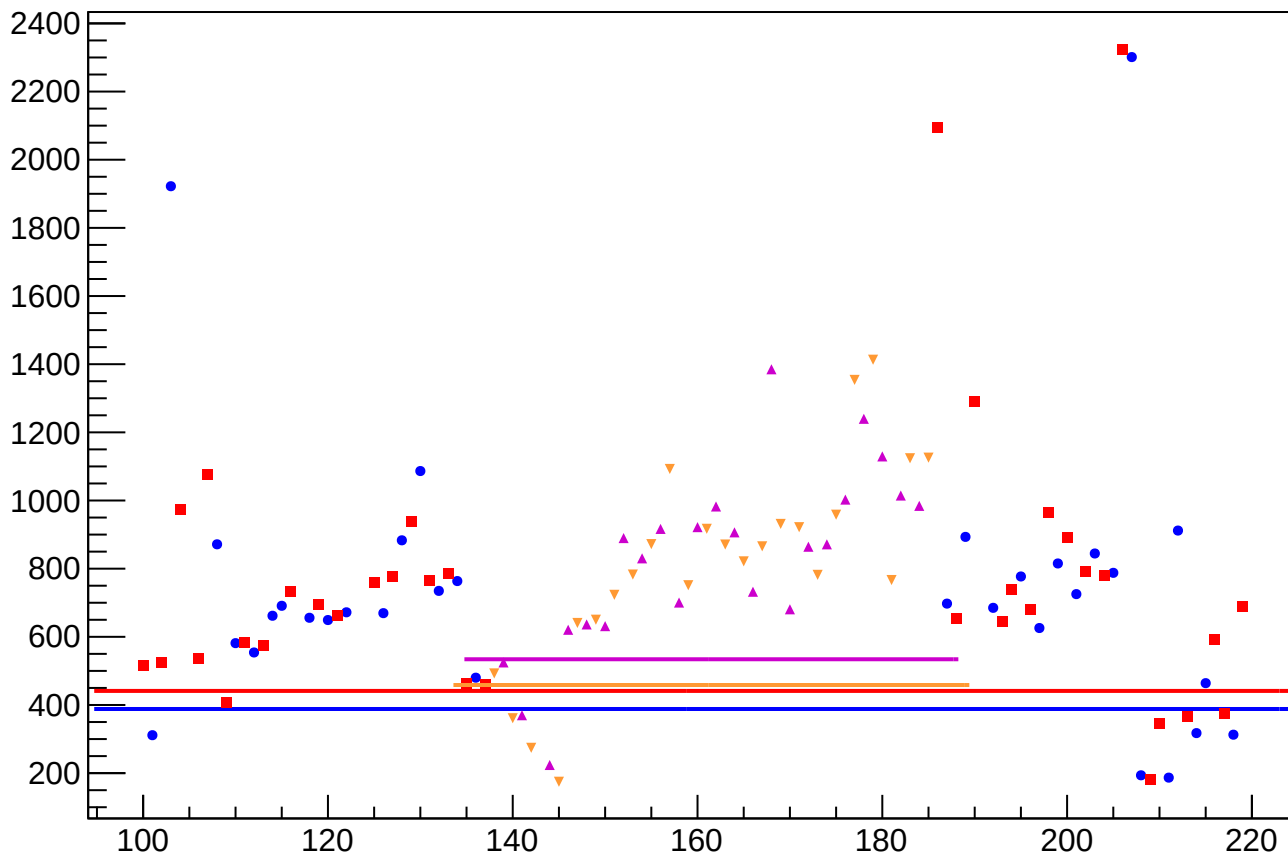
Left In: -108.358 $\pm$ 143.315 χ^2 /NDF:17.0/22

+ sign 202.779 $\pm$ 82.246 χ^2 /NDF: 57.1/55

All: 131.318 $\pm$ 60.712 χ^2 /NDF: 124.0/113

- sign 45.758 $\pm$ 89.995 χ^2 /NDF: 65.2/57

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 388.233 $\pm$ 0.075 χ^2/NDF : 10577148.1/31

Left Out: 458.589 $\pm$ 0.092 χ^2/NDF : 11426319.1/23

Right Out: 441.273 $\pm$ 0.082 χ^2/NDF : 9911328.2/34

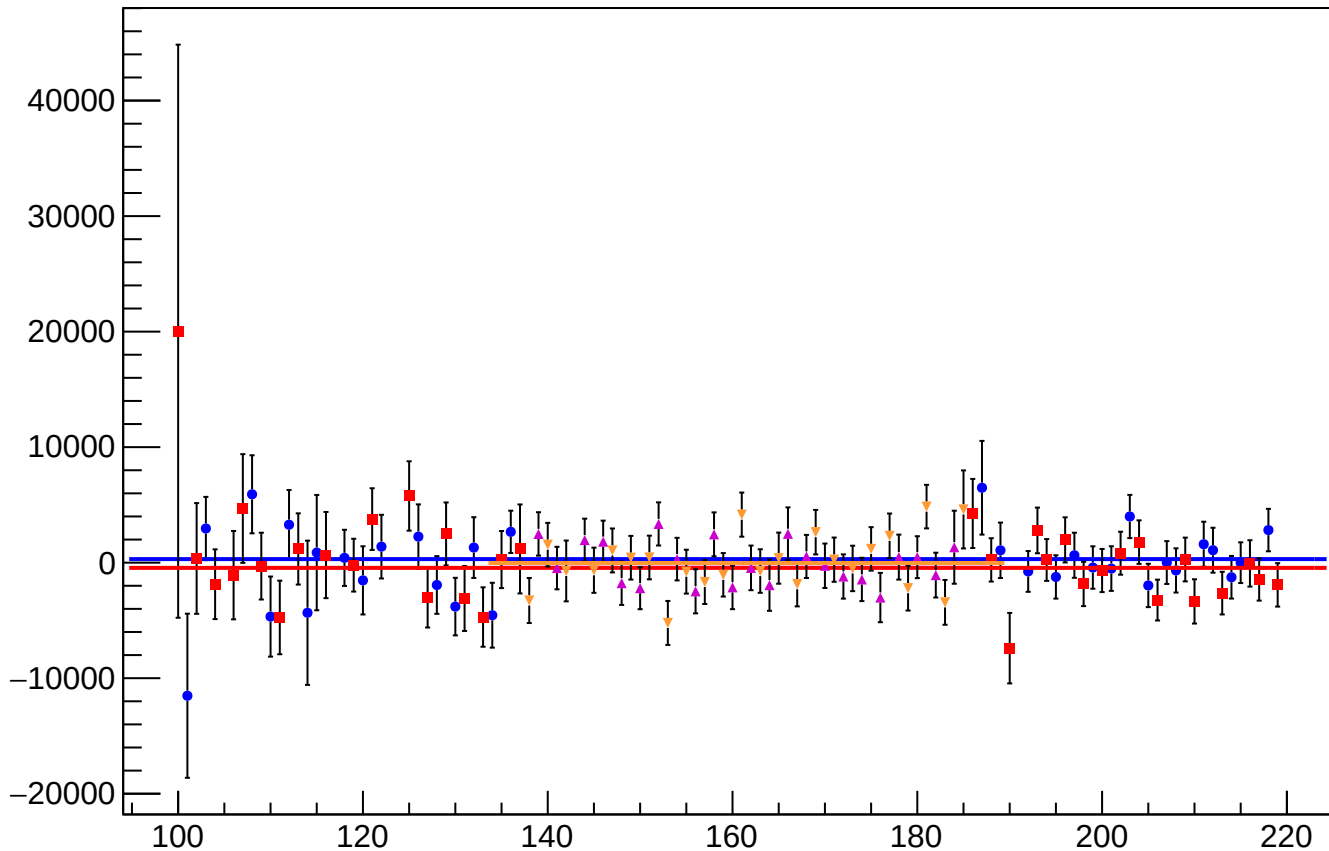
Left In: 534.168 $\pm$ 0.101 χ^2/NDF : 8442812.5/22

+ sign 416.371 $\pm$ 0.058 χ^2/NDF : 22354692.9/55

All: 444.375 $\pm$ 0.043 χ^2/NDF : 41727258.6/11

- sign 477.904 $\pm$ 0.064 χ^2/NDF : 18863091.3/57

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 308.177 ± 402.313 χ^2/NDF : 32.1/31

Left Out: -29.389 ± 402.317 χ^2/NDF : 35.4/23

Right Out: -450.490 ± 396.868 χ^2/NDF : 39.0/34

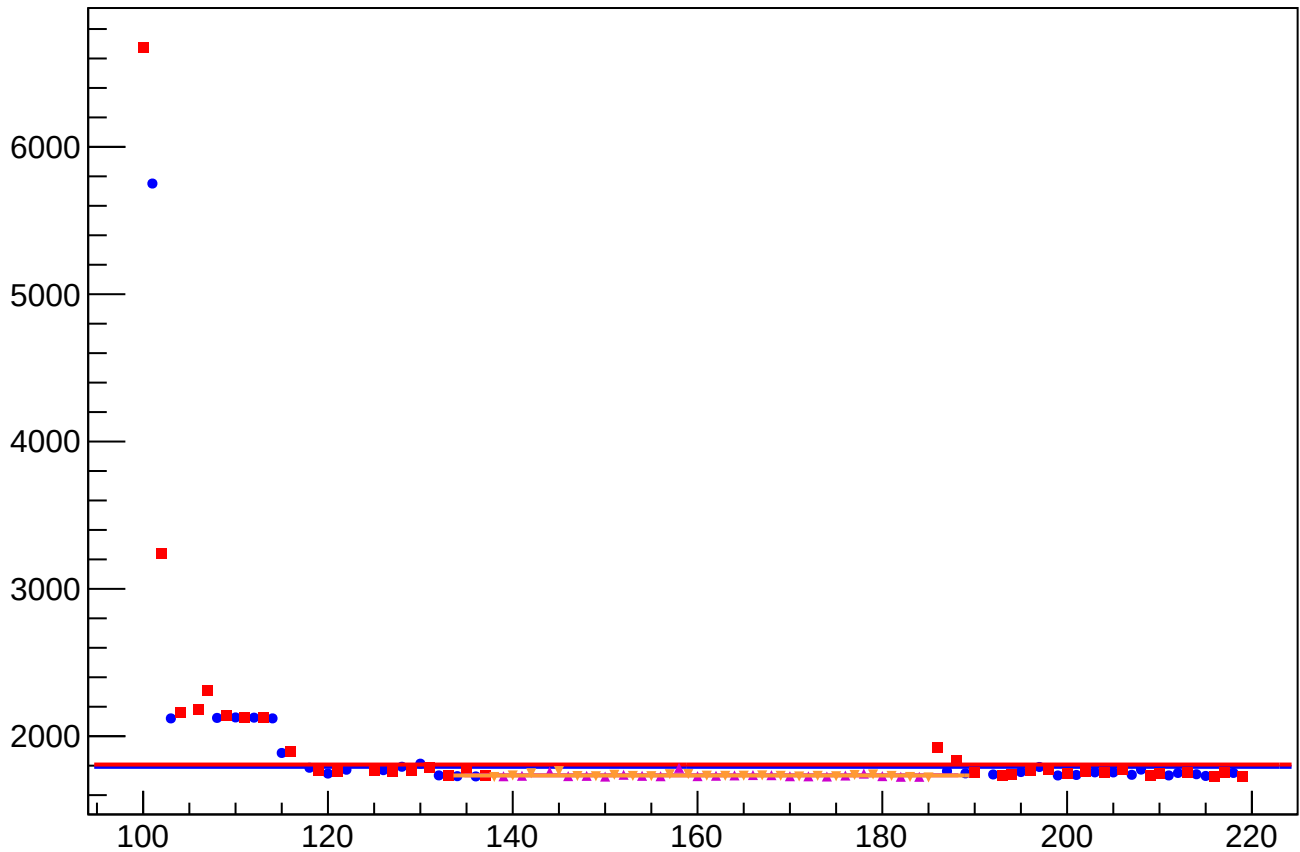
Left In: -42.465 ± 405.052 χ^2/NDF : 19.9/22

+ sign 139.396 ± 284.480 χ^2/NDF : 67.9/55

All: -56.311 ± 200.802 χ^2/NDF : 128.3/113

- sign -250.641 ± 283.477 χ^2/NDF : 59.4/57

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1792.072 $\pm$ 0.284 χ^2 /NDF: 742689.0/31

Left Out: 1733.478 $\pm$ 0.284 χ^2 /NDF: 901.3/23

Right Out: 1807.579 $\pm$ 0.281 χ^2 /NDF: 432011.6/34

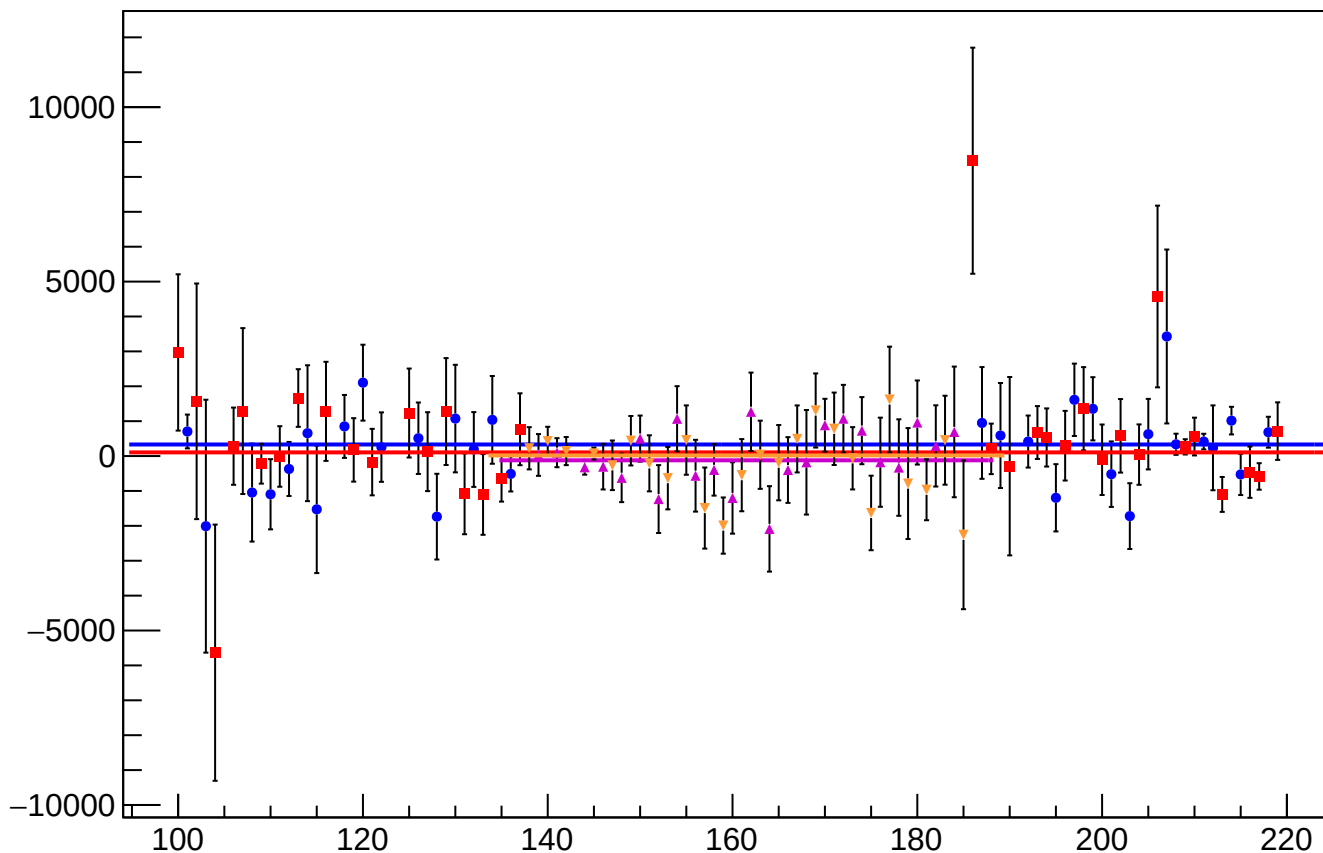
Left In: 1734.810 $\pm$ 0.286 χ^2 /NDF: 2175.7/22

+ sign 1762.775 $\pm$ 0.201 χ^2 /NDF: 764801.4/55

All: 1767.372 $\pm$ 0.142 χ^2 /NDF: 1232963.6/11

- sign 1771.937 $\pm$ 0.200 χ^2 /NDF: 467121.4/57

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug



Right In: 331.898 ± 116.407 χ^2/NDF : 33.6/31

Left Out: 18.027 ± 119.333 χ^2/NDF : 19.4/23

Right Out: 105.303 ± 123.651 χ^2/NDF : 37.7/34

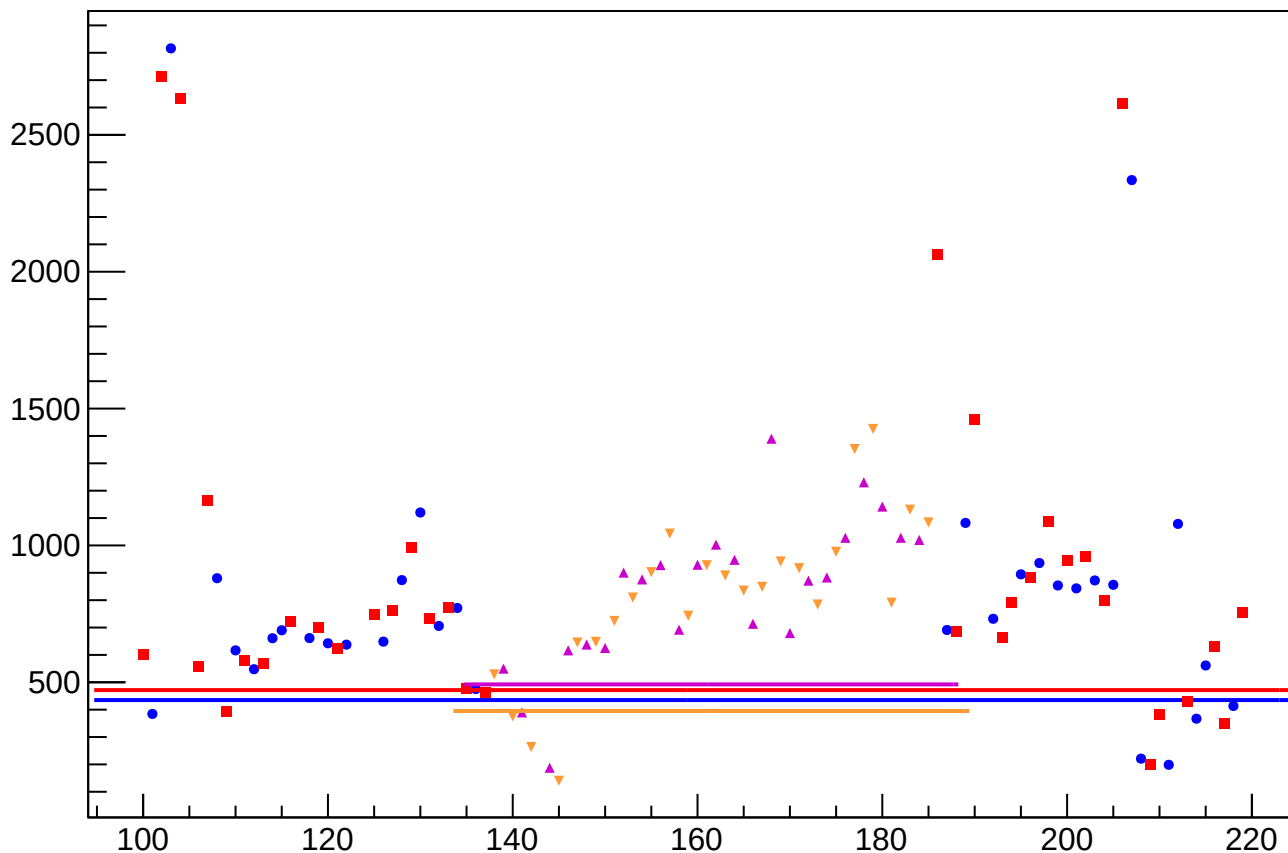
Left In: -121.705 ± 137.150 χ^2/NDF : 16.5/22

+ sign 178.858 ± 83.327 χ^2/NDF : 56.6/55

All: 99.686 ± 61.711 χ^2/NDF : 114.3/113

- sign 3.517 ± 91.837 χ^2/NDF : 55.7/57

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug



Right In: 435.003 $\pm$ 0.082 χ^2 /NDF: 10914592.3/31

Left Out: 395.188 $\pm$ 0.084 χ^2 /NDF:14334419.9/23

Right Out: 471.483 $\pm$ 0.087 χ^2 /NDF: 11220404.0/34

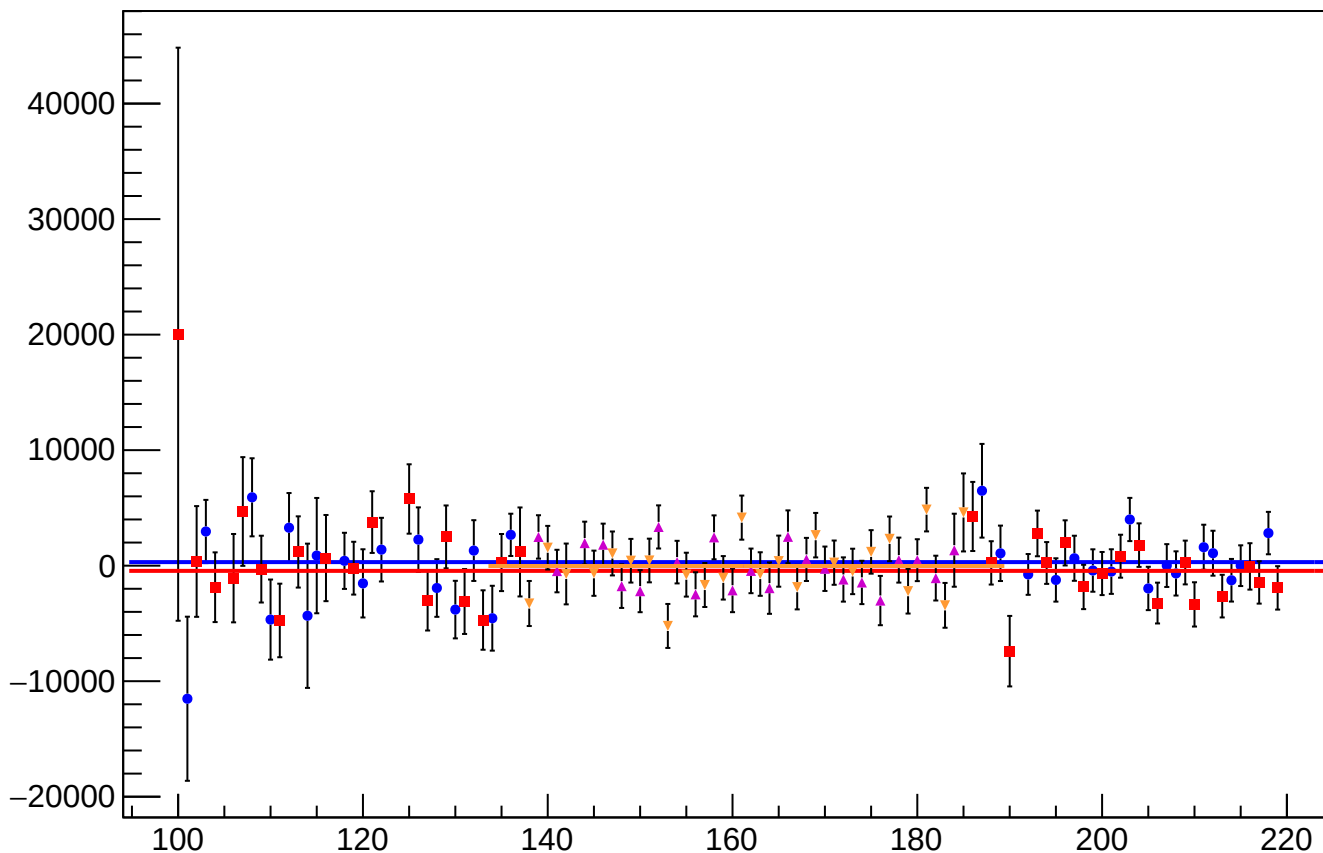
Left In: 492.294 $\pm$ 0.097 χ^2 /NDF:10419498.8/22

+ sign 415.590 $\pm$ 0.059 χ^2 /NDF: 25363095.3/55

All: 445.041 $\pm$ 0.044 χ^2 /NDF: 47581706.6/1

- sign 480.814 $\pm$ 0.065 χ^2 /NDF: 21665306.1/57

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 308.178 ± 402.313 χ^2/NDF : 32.1/31

Left Out: -29.392 ± 402.317 χ^2/NDF : 35.4/23

Right Out: -450.494 ± 396.868 χ^2/NDF : 39.0/34

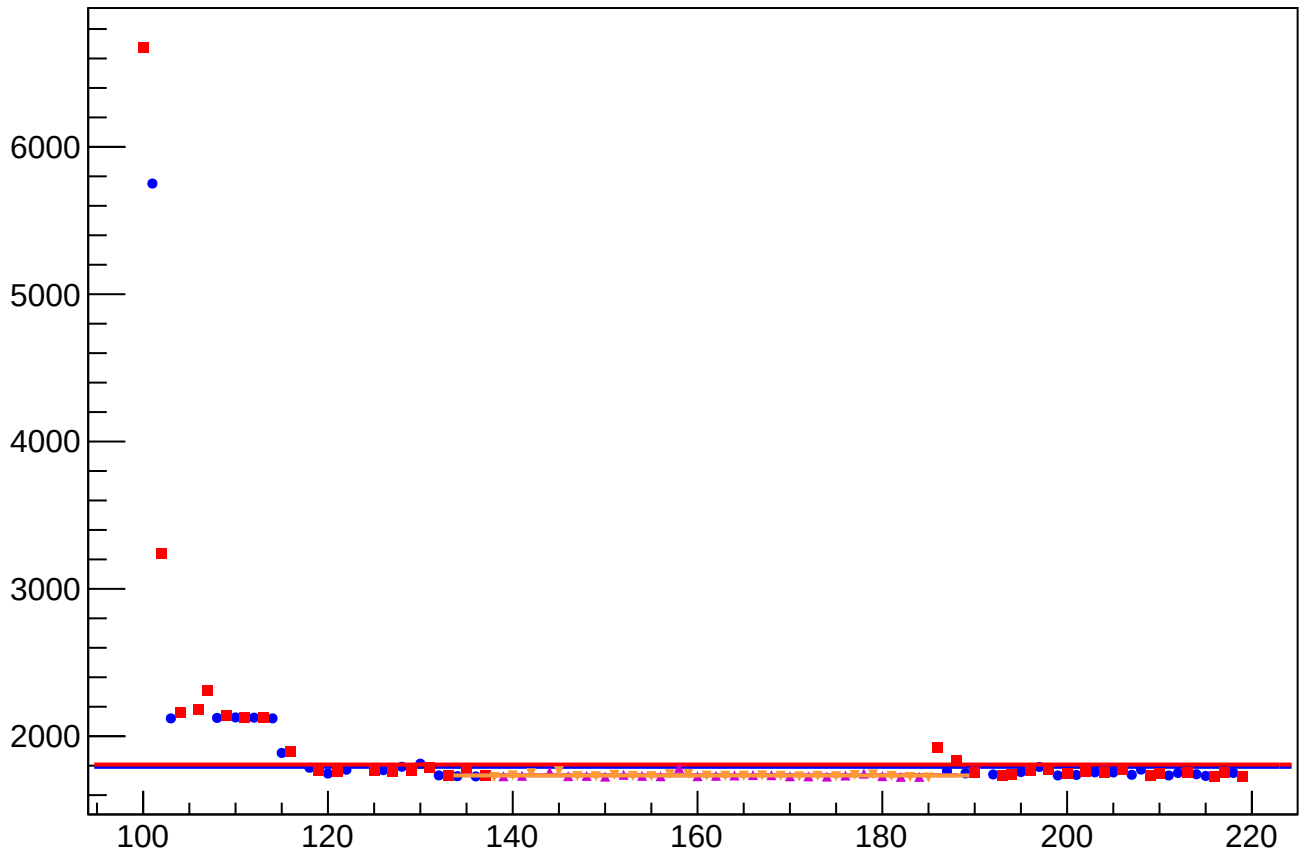
Left In: -42.465 ± 405.052 χ^2/NDF : 19.9/22

+ sign 139.395 ± 284.480 χ^2/NDF : 67.9/55

All: -56.313 ± 200.802 χ^2/NDF : 128.3/113

- sign -250.643 ± 283.477 χ^2/NDF : 59.4/57

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1792.072+/-0.284 χ^2/NDF : 742688.6/31

Left Out: 1733.478+/-0.284 χ^2/NDF : 901.3/23

Right Out: 1807.579+/-0.281 χ^2/NDF : 432010.7/34

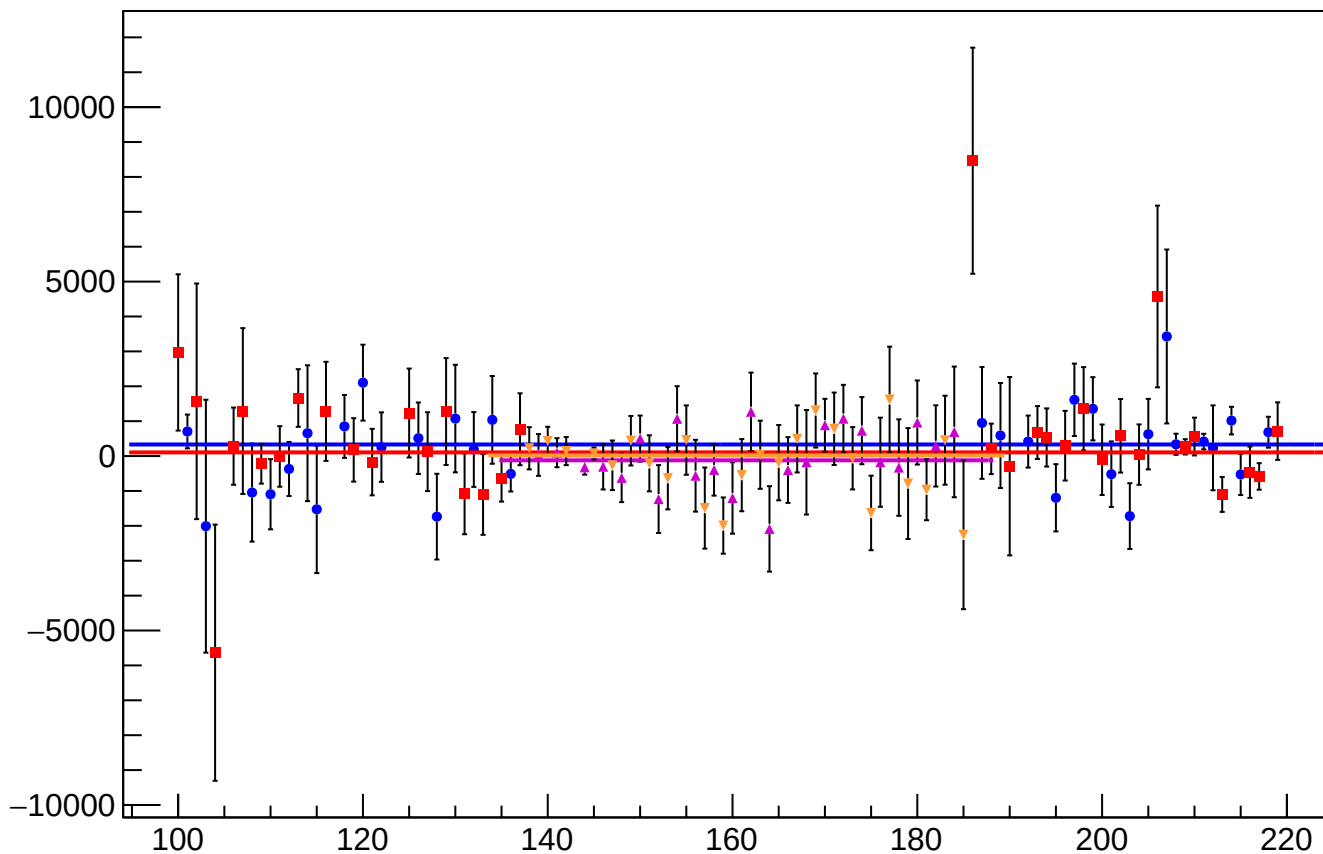
Left In: 1734.810+/-0.286 χ^2/NDF : 2175.7/22

+ sign 1762.775+/-0.201 χ^2/NDF : 764801.0/55

All: 1767.372+/-0.142 χ^2/NDF : 1232962.3/11

- sign 1771.937+/-0.200 χ^2/NDF : 467120.6/57

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 331.898 $\pm$ 116.407 χ^2 /NDF: 33.6/31

Left Out: 18.026 $\pm$ 119.333 χ^2 /NDF:19.4/23

Right Out: 105.300 $\pm$ 123.650 χ^2 /NDF: 37.7/34

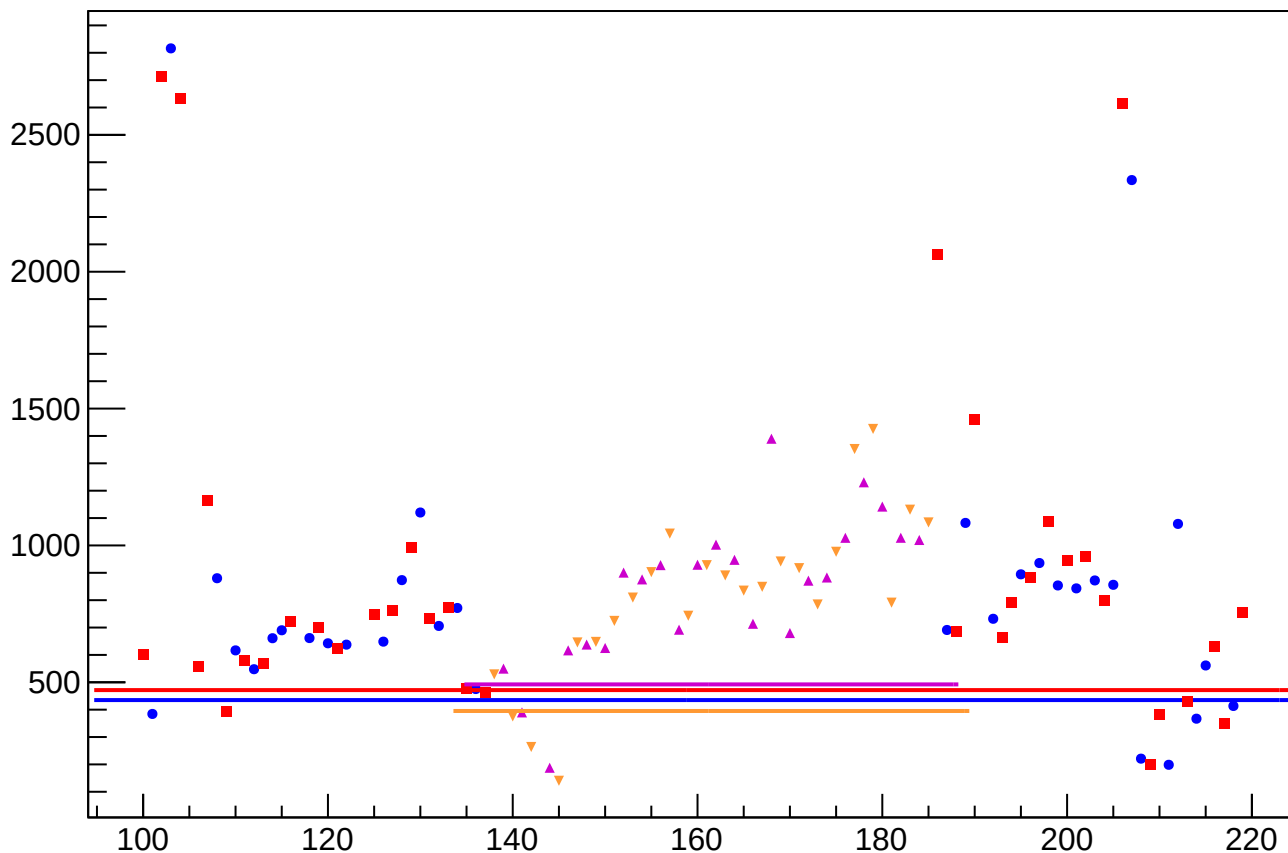
Left In: -121.706 $\pm$ 137.150 χ^2 /NDF:16.5/22

+ sign 178.857 $\pm$ 83.327 χ^2 /NDF: 56.6/55

All: 99.685 $\pm$ 61.711 χ^2 /NDF: 114.3/113

- sign 3.516 $\pm$ 91.837 χ^2 /NDF: 55.7/57

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 435.004+/-0.082 χ^2/NDF : 10914523.2/31

Left Out: 395.188+/-0.084 χ^2/NDF : 14334464.6/23

Right Out: 471.479+/-0.087 χ^2/NDF : 11220492.8/34

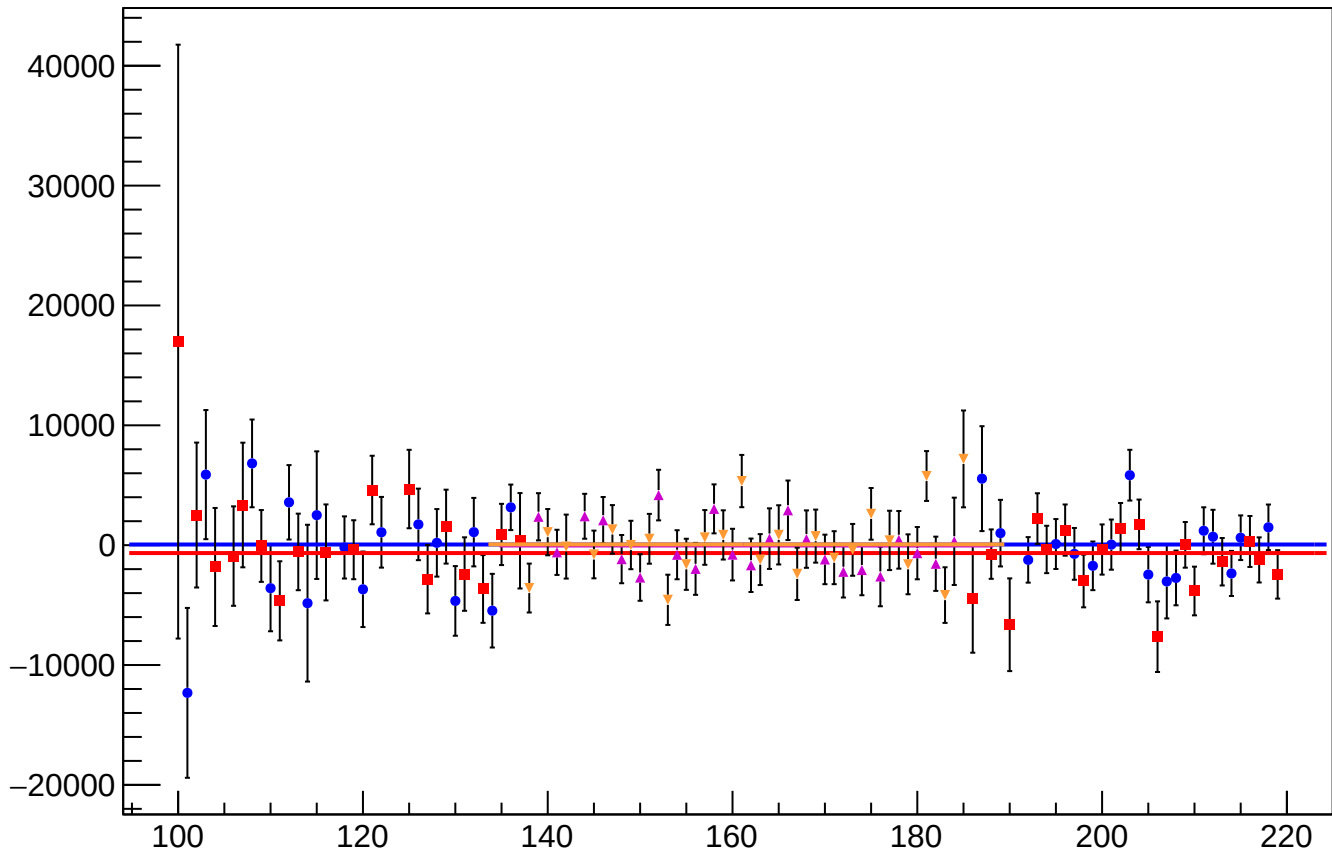
Left In: 492.295+/-0.097 χ^2/NDF : 10419523.2/22

+ sign 415.590+/-0.059 χ^2/NDF : 25363076.7/55

All: 445.041+/-0.044 χ^2/NDF : 47581775.0/11

- sign 480.813+/-0.065 χ^2/NDF : 21665429.3/57

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 55.628 $\pm$ 447.942 χ^2 /NDF: 38.1/31

Left Out: 66.661 $\pm$ 449.750 χ^2 /NDF:33.6/23

Right Out: -658.238 $\pm$ 439.990 χ^2 /NDF: 30.6/34

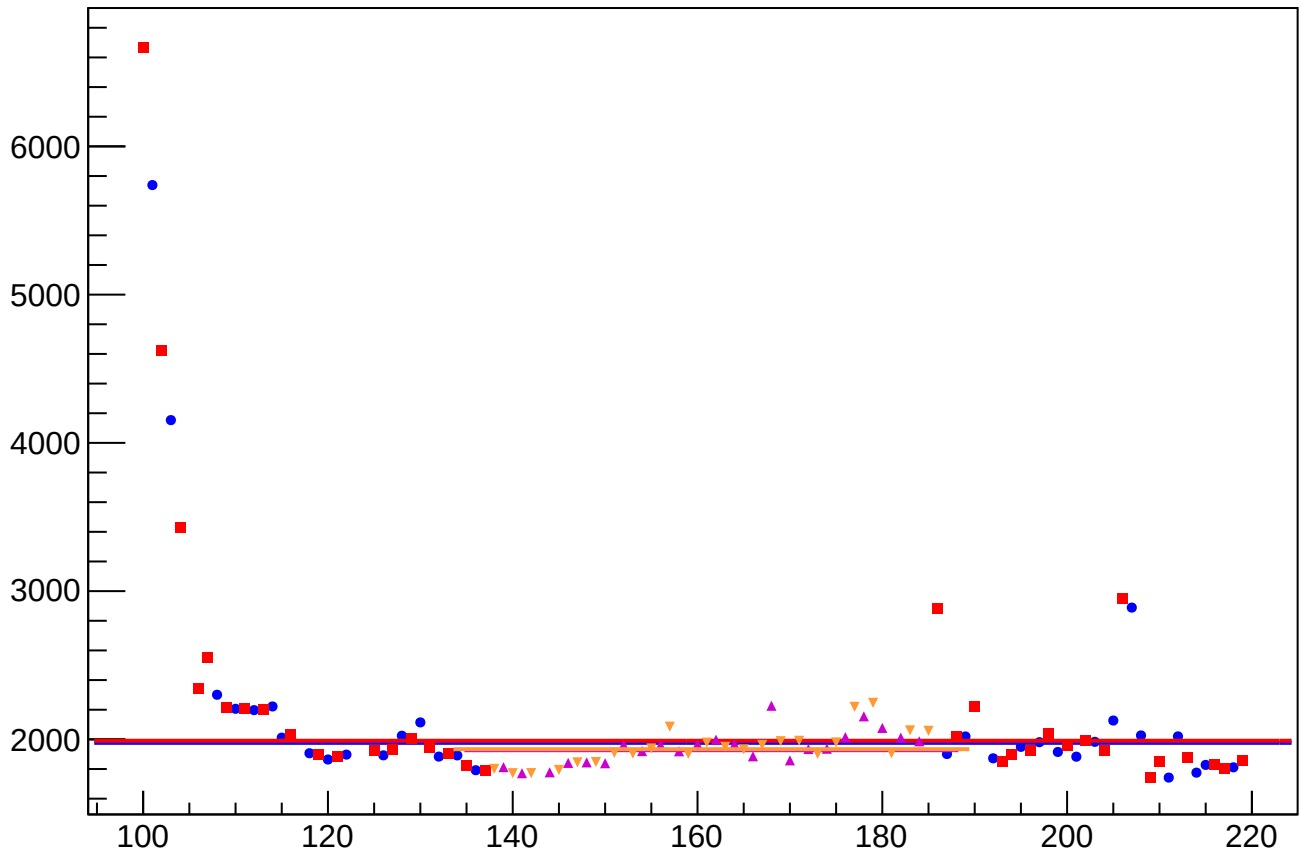
Left In: -25.575 $\pm$ 450.755 χ^2 /NDF:20.0/22

+ sign 61.122 $\pm$ 317.380 χ^2 /NDF: 71.7/55

All: -145.854 $\pm$ 223.524 χ^2 /NDF: 124.1/113

- sign -349.551 $\pm$ 314.857 χ^2 /NDF: 51.6/57

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1976.693+/-0.317 χ^2/NDF : 1239605.4/31

Left Out: 1933.804+/-0.318 χ^2/NDF : 128531.8/23

Right Out: 1990.632+/-0.311 χ^2/NDF : 1119251.0/34

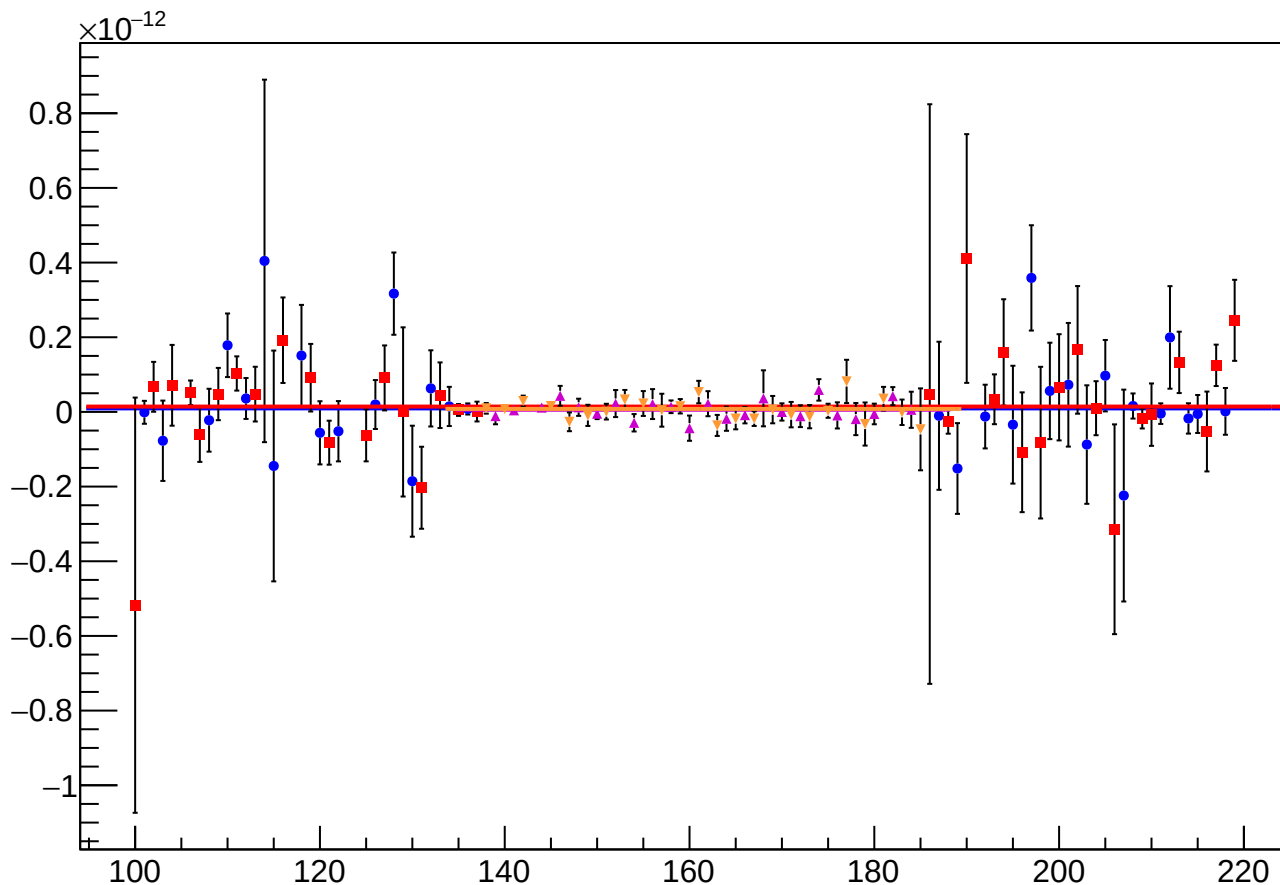
Left In: 1927.125+/-0.319 χ^2/NDF : 116436.1/22

+ sign 1955.335+/-0.224 χ^2/NDF : 1377267.6/55

All: 1957.508+/-0.158 χ^2/NDF : 2633470.7/11

- sign 1959.646+/-0.223 χ^2/NDF : 1256017.1/57

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.0/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:17.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.5/34

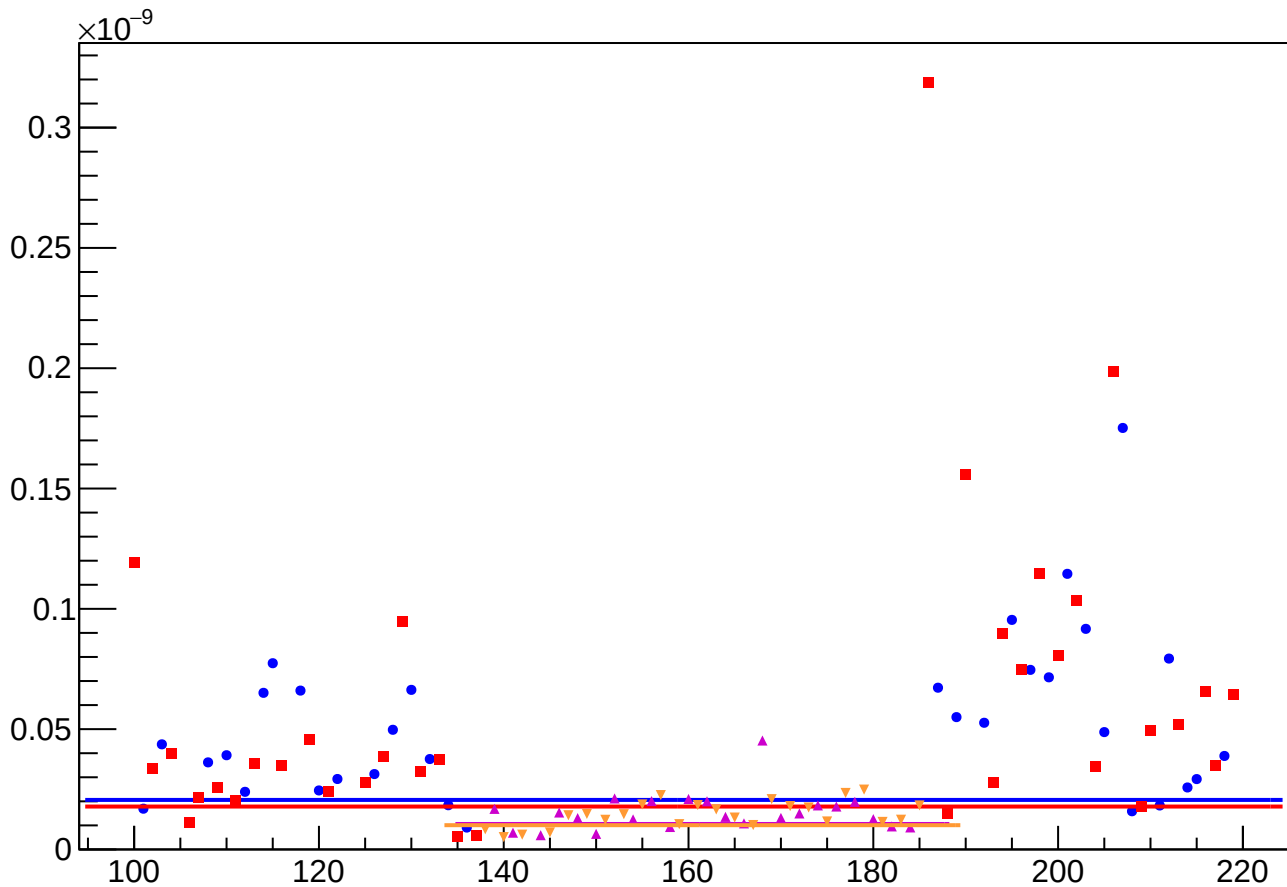
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 48.4/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 106.4/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 57.9/57

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6364043.7/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8269424.5/34

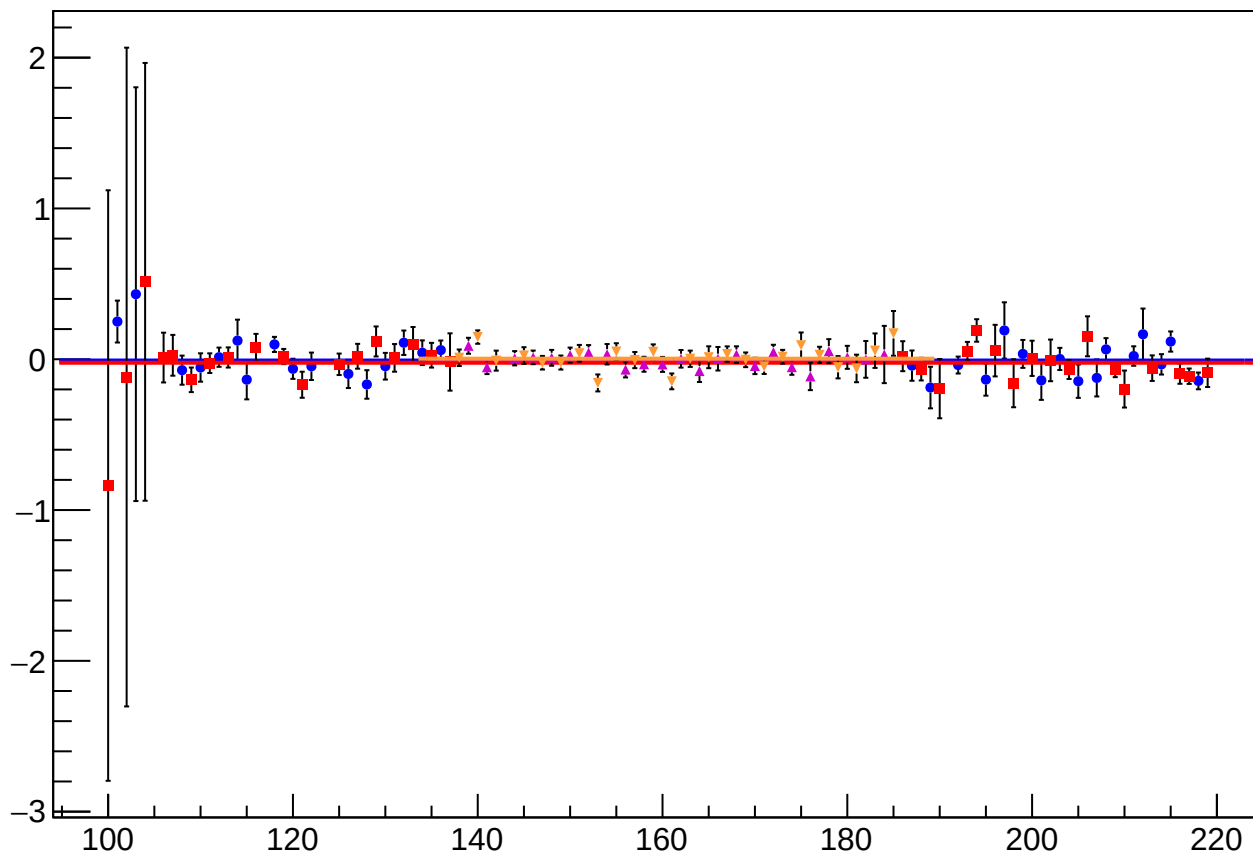
Left In: 0.000+/-0.000 χ^2/NDF : 2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 10722419.8/55

All: 0.000+/-0.000 χ^2/NDF : 22621577.6/113

- sign 0.000+/-0.000 χ^2/NDF : 11898643.4/57

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.009 ± 0.015 χ^2/NDF : 39.4/31

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.023 ± 0.015 χ^2/NDF : 33.5/34

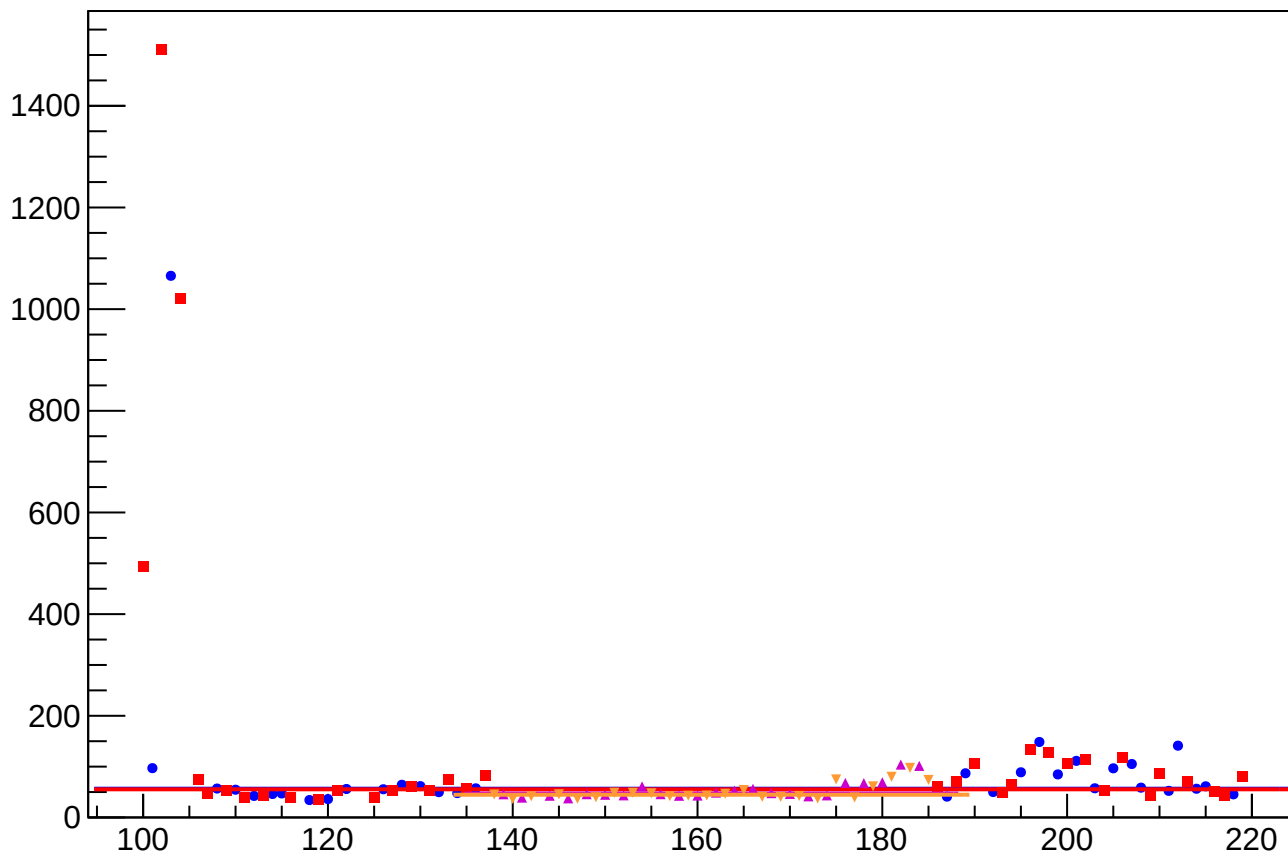
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign -0.001 ± 0.009 χ^2/NDF : 74.9/55

All: -0.006 ± 0.006 χ^2/NDF : 124.6/113

- sign -0.011 ± 0.009 χ^2/NDF : 49.1/57

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 56.537 $\pm$ 0.010 χ^2 /NDF: 4565225.8/31

Left Out: 44.733 $\pm$ 0.008 χ^2 /NDF: 1481436.4/23

Right Out: 55.362 $\pm$ 0.010 χ^2 /NDF: 5534164.7/34

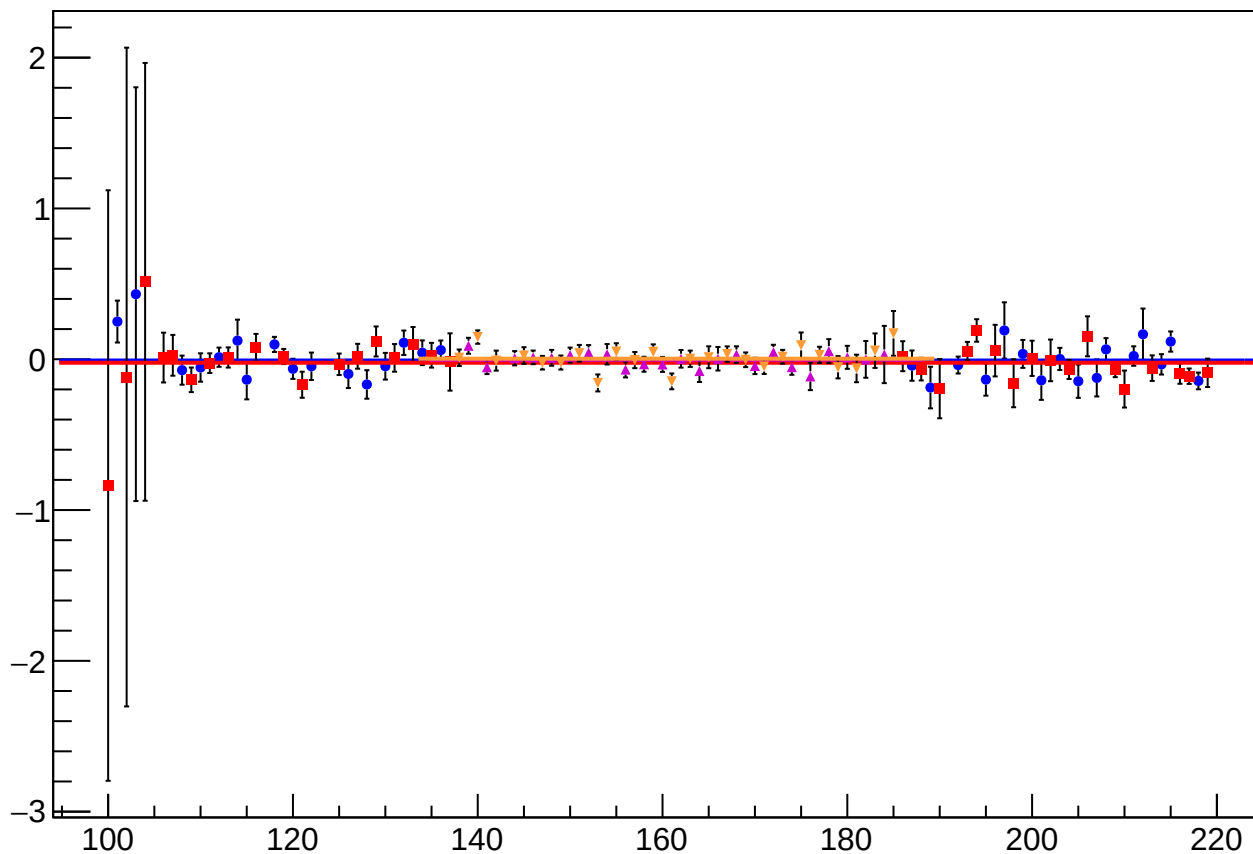
Left In: 47.033 $\pm$ 0.008 χ^2 /NDF: 1383050.4/22

+ sign 49.197 $\pm$ 0.006 χ^2 /NDF: 6842667.4/55

All: 49.787 $\pm$ 0.005 χ^2 /NDF: 14170133.5/113

- sign 50.397 $\pm$ 0.007 χ^2 /NDF: 7310256.8/57

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009 ± 0.015 χ^2/NDF : 39.4/31

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.023 ± 0.015 χ^2/NDF : 33.5/34

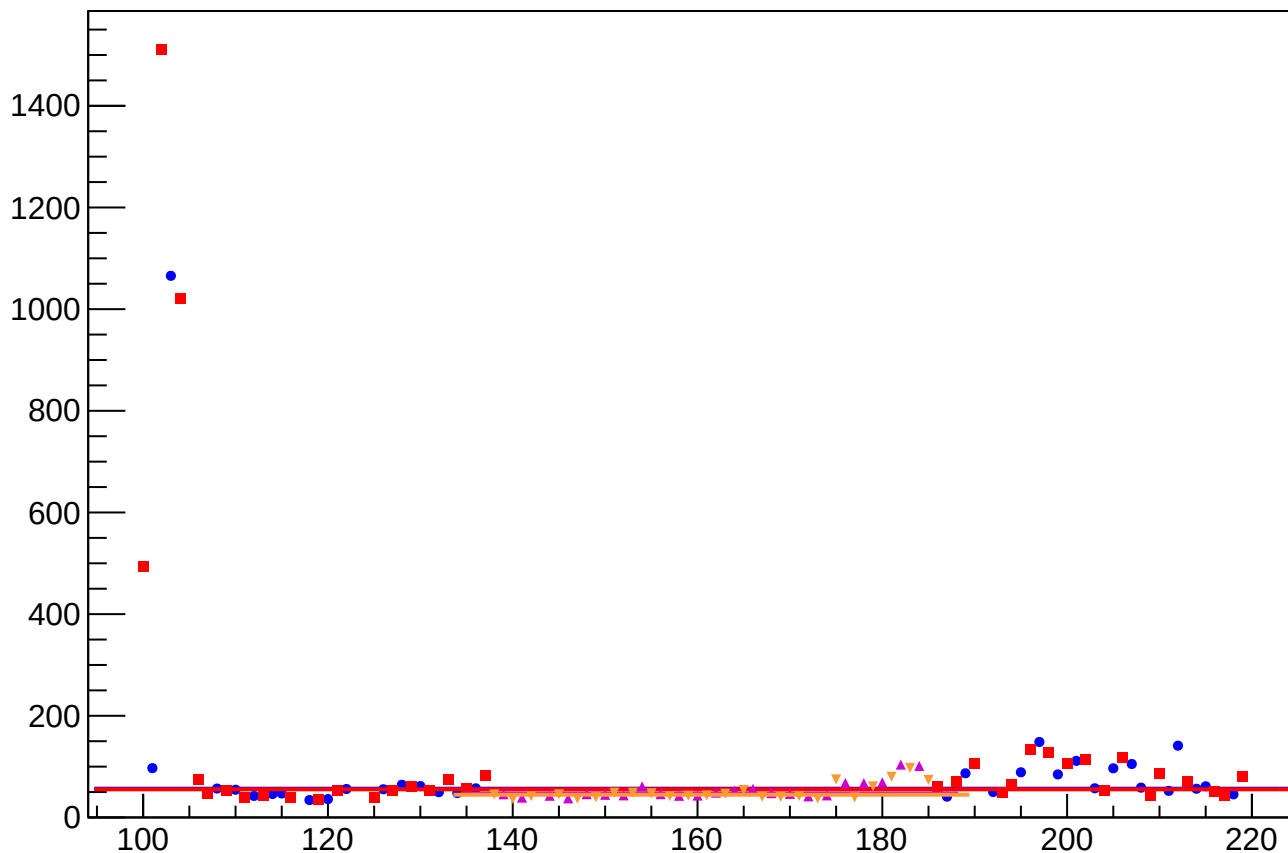
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign -0.001 ± 0.009 χ^2/NDF : 74.9/55

All: -0.006 ± 0.006 χ^2/NDF : 124.6/113

- sign -0.011 ± 0.009 χ^2/NDF : 49.1/57

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 56.537+/-0.010 χ^2/NDF : 4565225.8/31

Left Out: 44.733+/-0.008 χ^2/NDF : 1481436.4/23

Right Out: 55.362+/-0.010 χ^2/NDF : 5534164.7/34

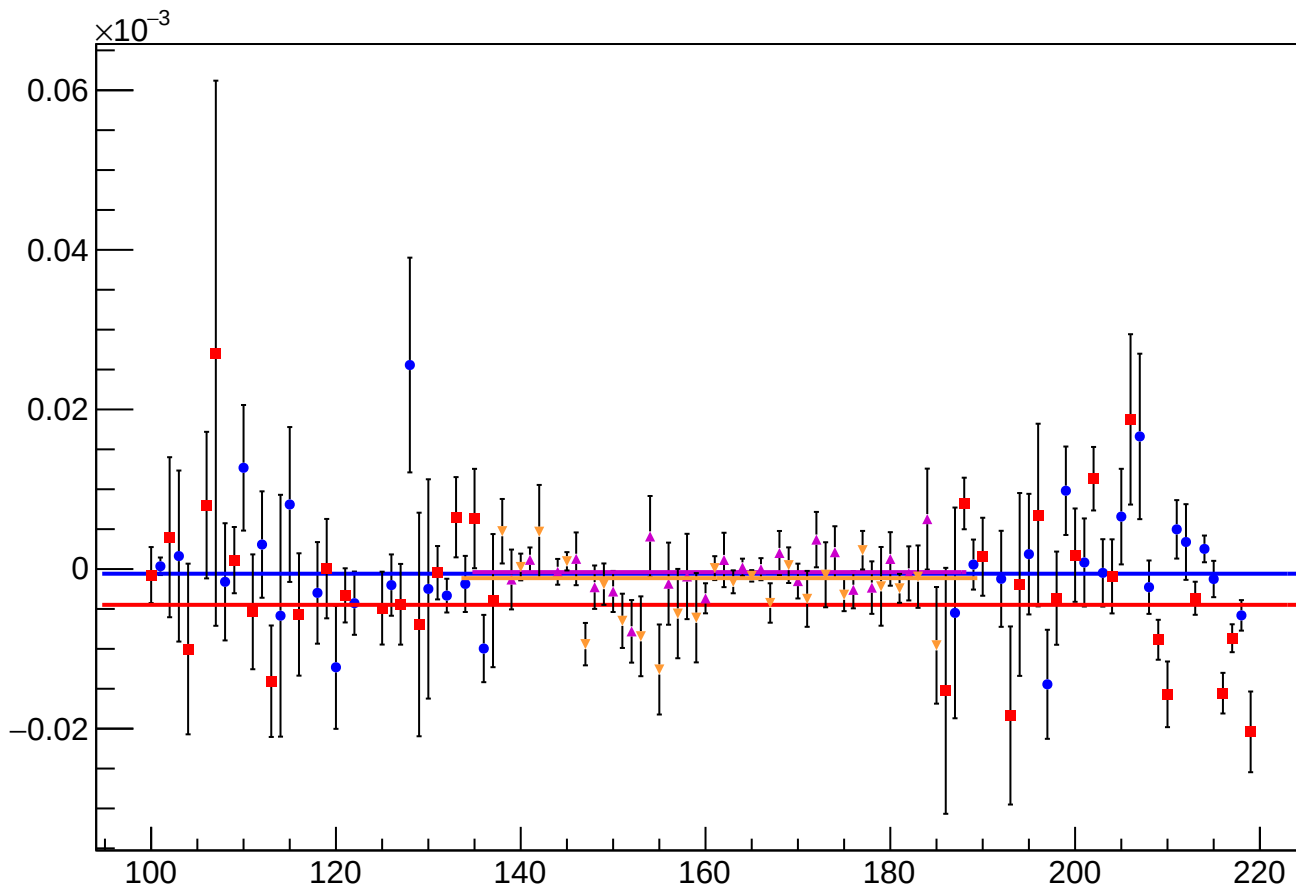
Left In: 47.033+/-0.008 χ^2/NDF : 1383050.4/22

+ sign 49.197+/-0.006 χ^2/NDF : 6842667.4/55

All: 49.787+/-0.005 χ^2/NDF : 14170133.5/113

- sign 50.397+/-0.007 χ^2/NDF : 7310256.8/57

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 45.4/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 35.7/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 106.0/34

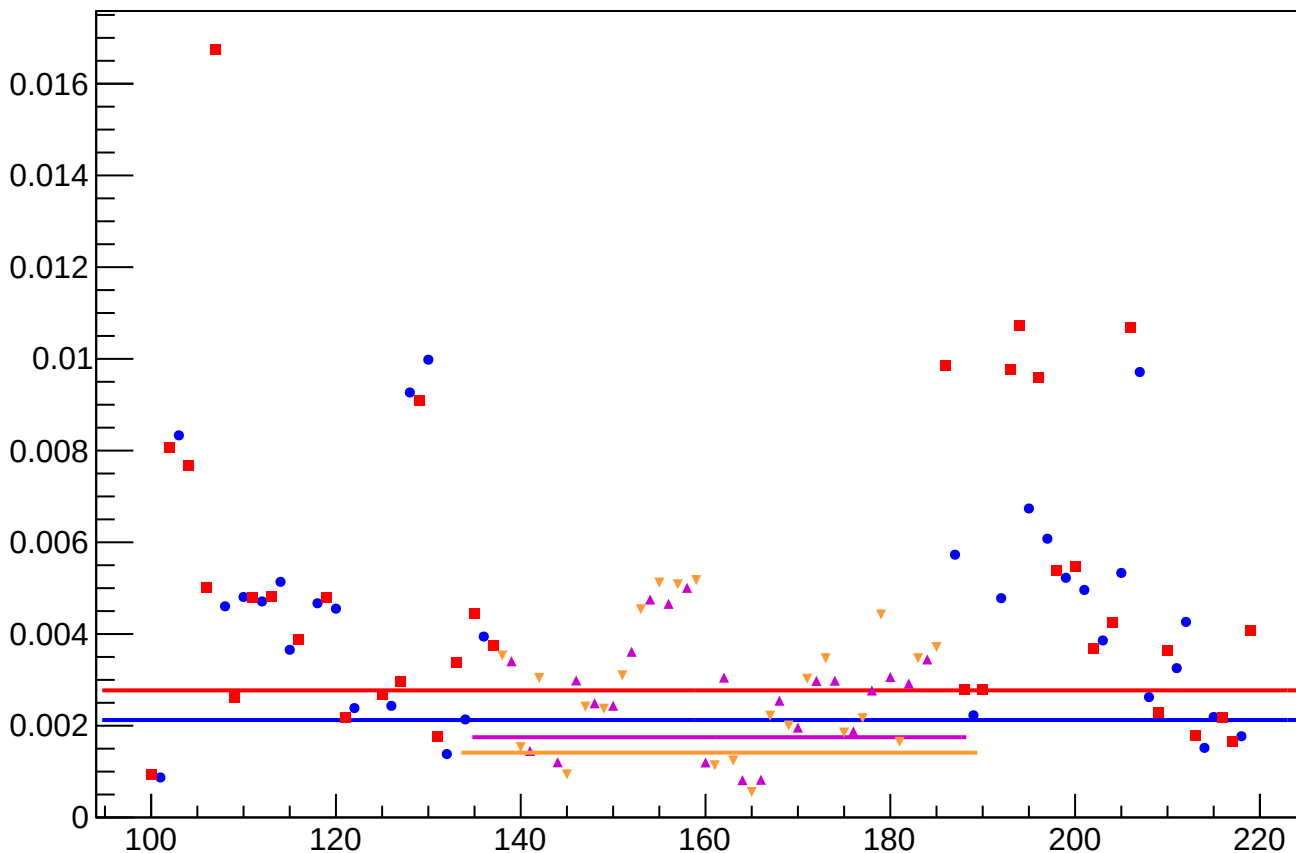
Left In: -0.000 ± 0.000 χ^2/NDF : 16.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 81.7/55

All: -0.000 ± 0.000 χ^2/NDF : 227.9/113

- sign -0.000 ± 0.000 χ^2/NDF : 144.3/57

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2/NDF : 12605188.3/31

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF : 11586658.8/23

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 10178278.9/34

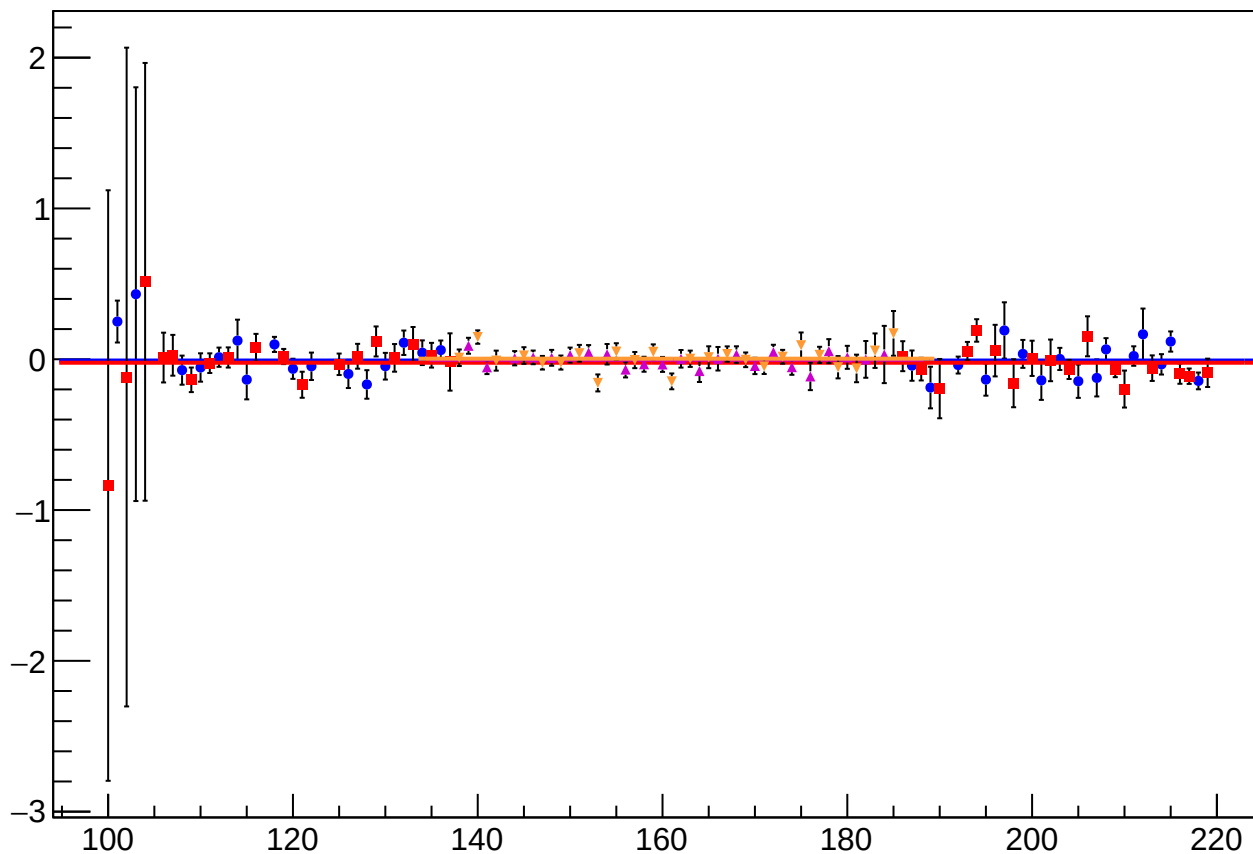
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 8238945.3/22

+ sign 0.002 $\pm$ 0.000 χ^2/NDF : 26127777.0/55

All: 0.002 $\pm$ 0.000 χ^2/NDF : 48615678.4/113

- sign 0.002 $\pm$ 0.000 χ^2/NDF : 21155683.8/57

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.009 ± 0.015 χ^2/NDF : 39.4/31

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.023 ± 0.015 χ^2/NDF : 33.5/34

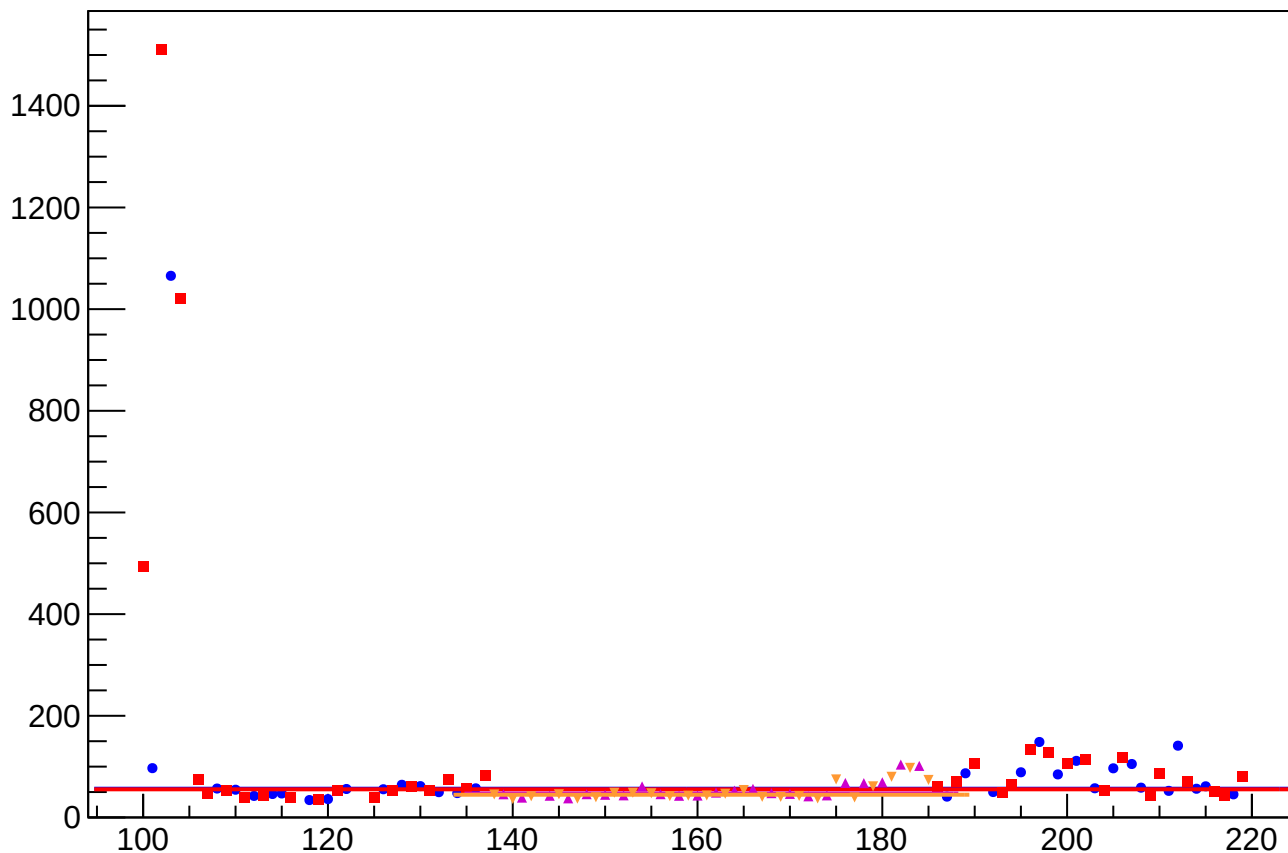
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign -0.001 ± 0.009 χ^2/NDF : 74.9/55

All: -0.006 ± 0.006 χ^2/NDF : 124.6/113

- sign -0.011 ± 0.009 χ^2/NDF : 49.1/57

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 56.536+/-0.010 χ^2/NDF : 4565310.0/31

Left Out: 44.733+/-0.008 χ^2/NDF : 1481436.0/23

Right Out: 55.361+/-0.010 χ^2/NDF : 5534313.6/34

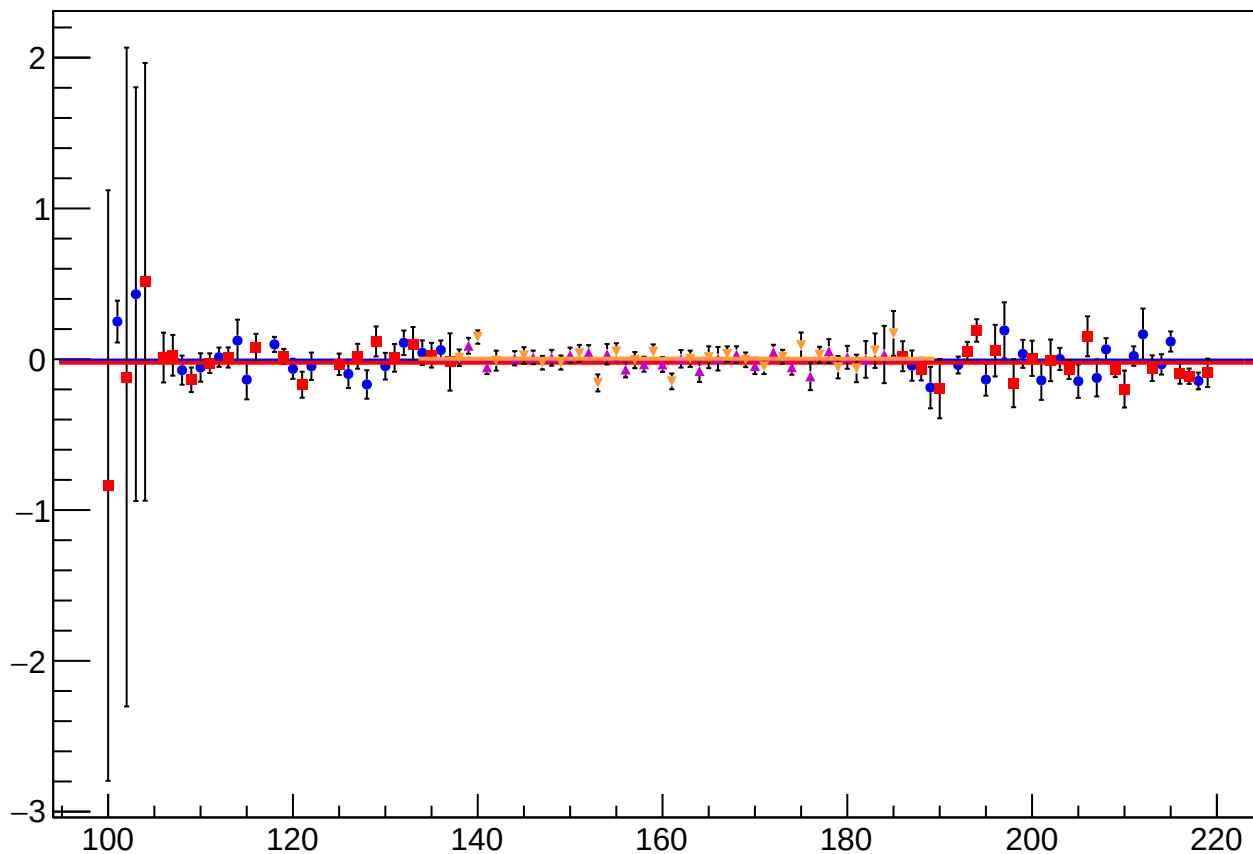
Left In: 47.033+/-0.008 χ^2/NDF : 1383121.1/22

+ sign 49.197+/-0.006 χ^2/NDF : 6842671.6/55

All: 49.787+/-0.005 χ^2/NDF : 14170287.6/113

- sign 50.396+/-0.007 χ^2/NDF : 7310419.4/57

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009 ± 0.015 χ^2/NDF : 39.4/31

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.023 ± 0.015 χ^2/NDF : 33.5/34

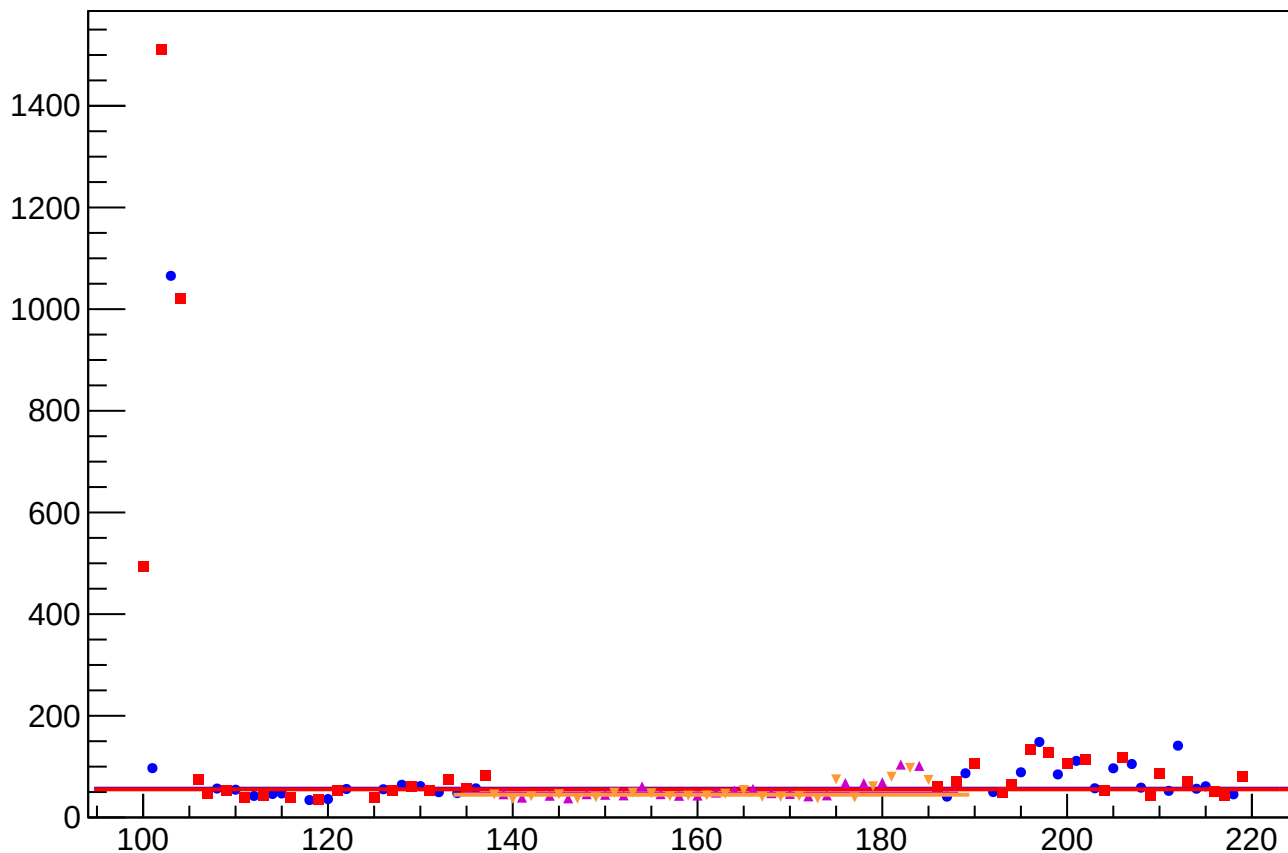
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign -0.001 ± 0.009 χ^2/NDF : 74.9/55

All: -0.006 ± 0.006 χ^2/NDF : 124.6/113

- sign -0.011 ± 0.009 χ^2/NDF : 49.1/57

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 56.536 $\pm$ 0.010 χ^2 /NDF: 4565310.0/31

Left Out: 44.733 $\pm$ 0.008 χ^2 /NDF: 1481436.0/23

Right Out: 55.361 $\pm$ 0.010 χ^2 /NDF: 5534313.6/34

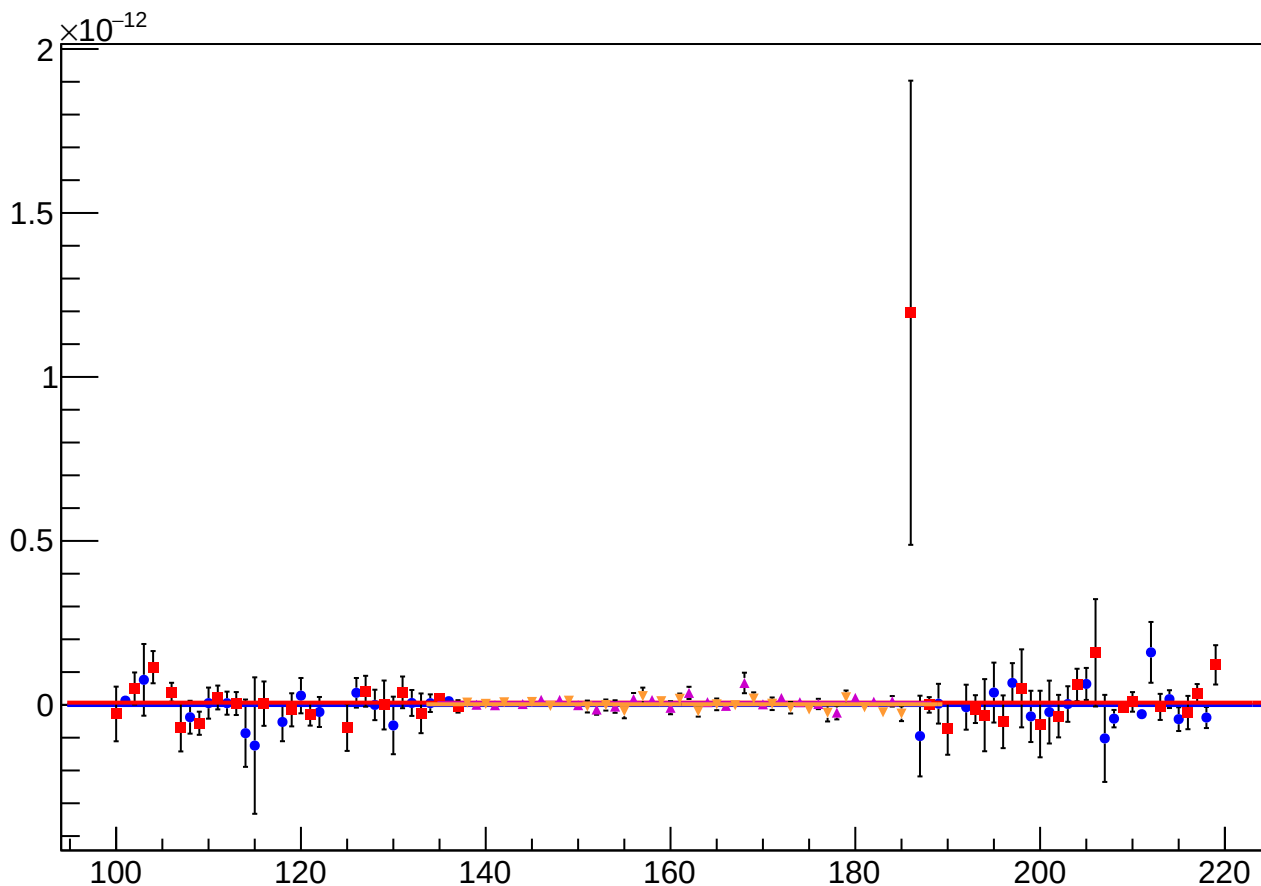
Left In: 47.033 $\pm$ 0.008 χ^2 /NDF: 1383121.1/22

+ sign 49.197 $\pm$ 0.006 χ^2 /NDF: 6842671.6/55

All: 49.787 $\pm$ 0.005 χ^2 /NDF: 14170287.6/113

- sign 50.396 $\pm$ 0.007 χ^2 /NDF: 7310419.4/57

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 24.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 20.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 30.7/34

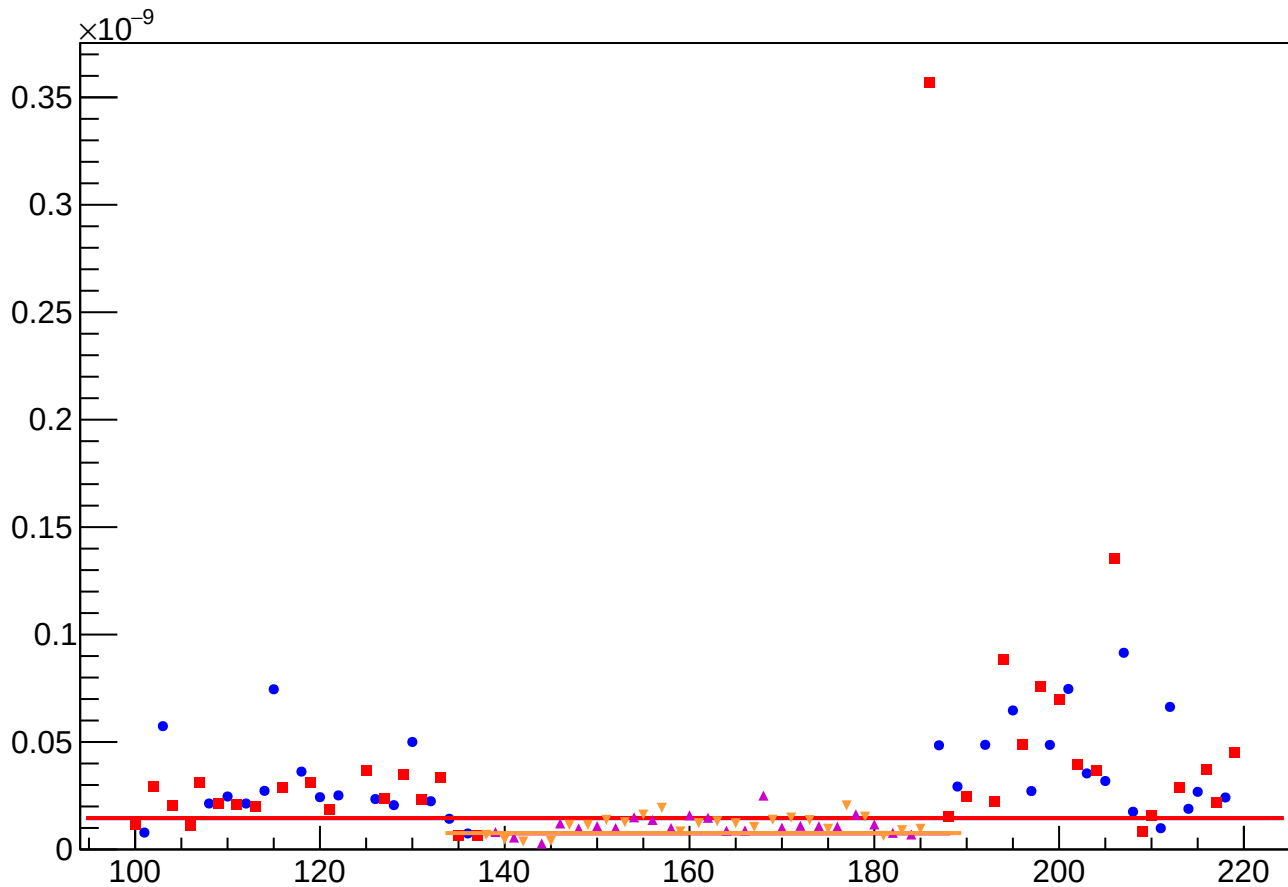
Left In: 0.000+/-0.000 χ^2/NDF : 17.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 45.2/55

All: 0.000+/-0.000 χ^2/NDF : 95.5/113

- sign 0.000+/-0.000 χ^2/NDF : 48.7/57

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8455240.8/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5568430.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9671222.2/34

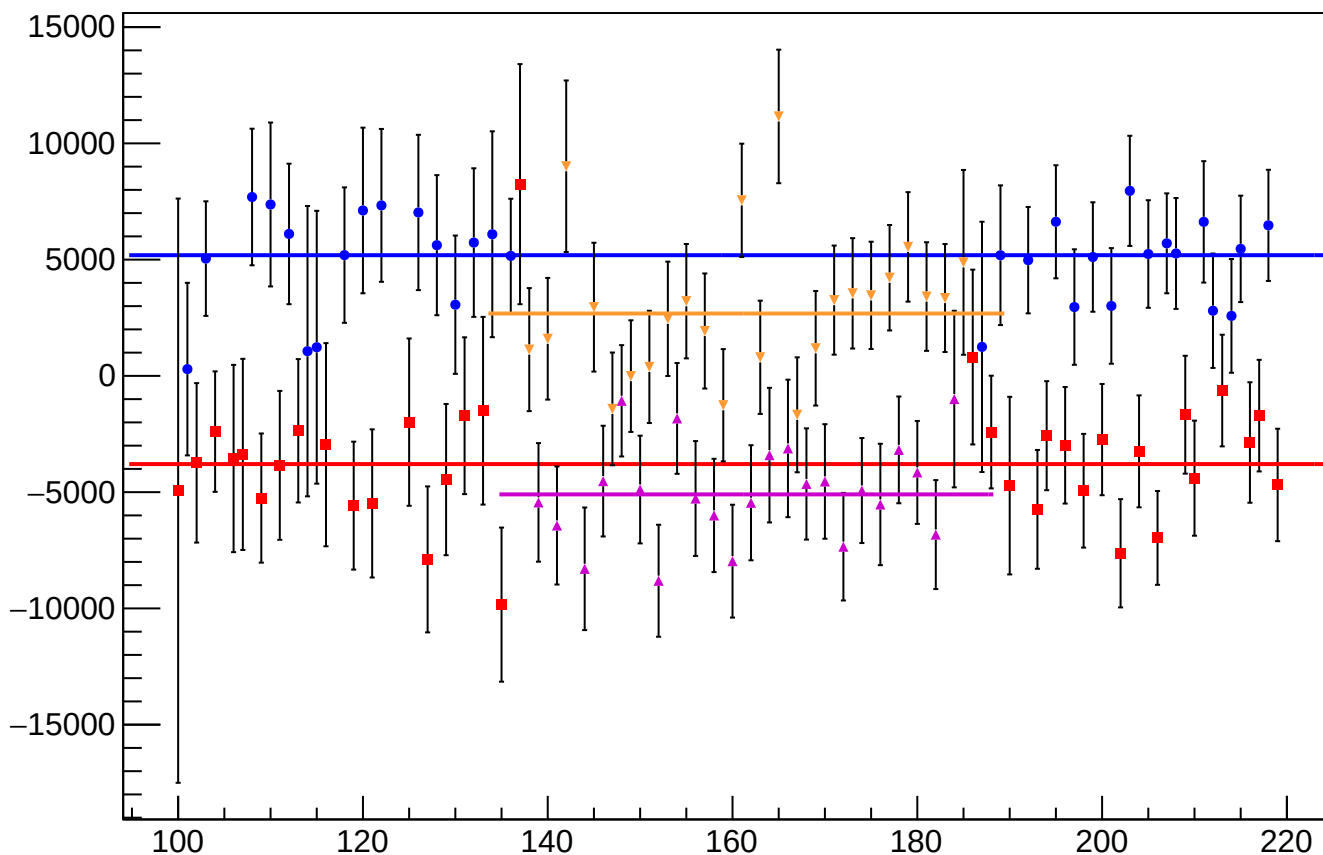
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 5978033.2/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 16772899.1/55

All: 0.000 $\pm$ 0.000 χ^2/NDF : 35333616.4/113

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 18556107.3/57

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5191.050 ± 492.241 χ^2/NDF : 12.0/31

Left Out: 2682.870 ± 512.020 χ^2/NDF : 30.8/23

Right Out: -3792.550 ± 484.334 χ^2/NDF : 25.0/34

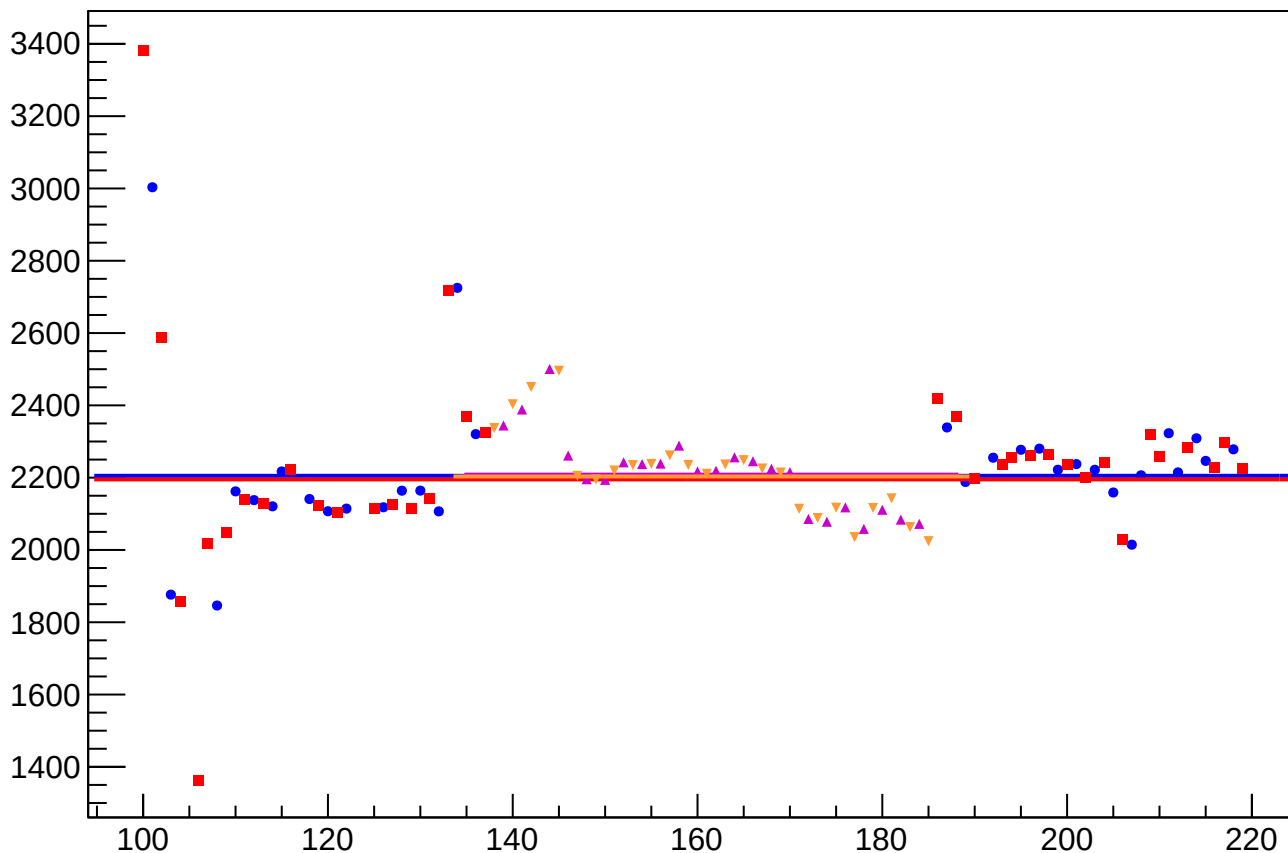
Left In: -5096.427 ± 516.232 χ^2/NDF : 14.9/22

+ sign 3986.341 ± 354.853 χ^2/NDF : 55.3/55

All: -227.726 ± 250.338 χ^2/NDF : 379.4/113

- sign -4402.963 ± 353.215 χ^2/NDF : 43.3/57

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2205.115 $\pm$ 0.348 χ^2 /NDF: 232810.8/31

Left Out: 2203.297 $\pm$ 0.362 χ^2 /NDF: 88208.3/23

Right Out: 2195.157 $\pm$ 0.340 χ^2 /NDF: 340644.2/34

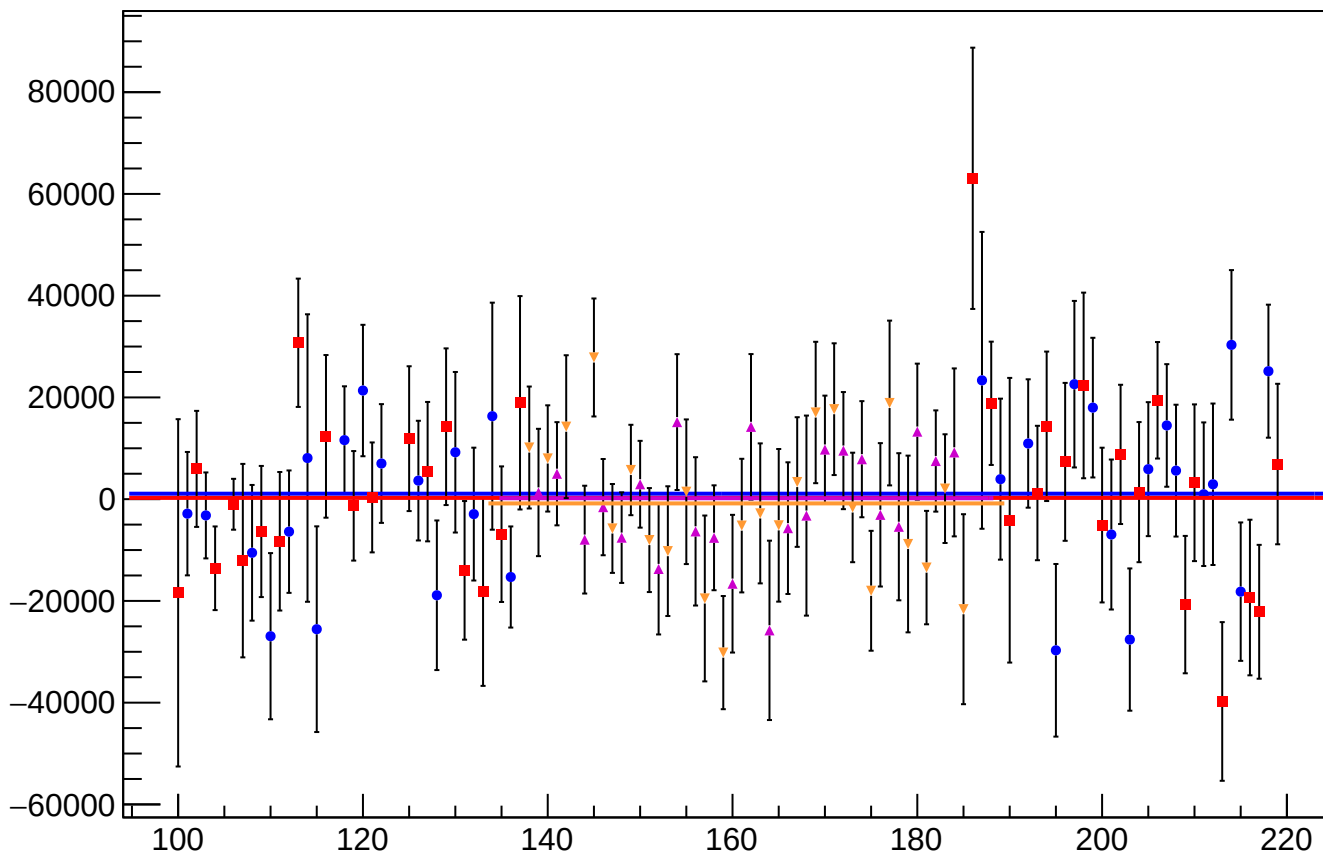
Left In: 2208.379 $\pm$ 0.365 χ^2 /NDF: 80994.3/22

+ sign 2204.242 $\pm$ 0.251 χ^2 /NDF: 321032.2/55

All: 2202.764 $\pm$ 0.177 χ^2 /NDF: 743441.2/113

- sign 2201.309 $\pm$ 0.249 χ^2 /NDF: 422340.2/57

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug



Right In: 1076.089 $\pm$ 2396.713 χ^2 /NDF: 38.5/31

Left Out: -833.485 $\pm$ 2481.469 χ^2 /NDF:29.5/23

Right Out: 248.505 $\pm$ 2165.905 χ^2 /NDF: 43.8/34

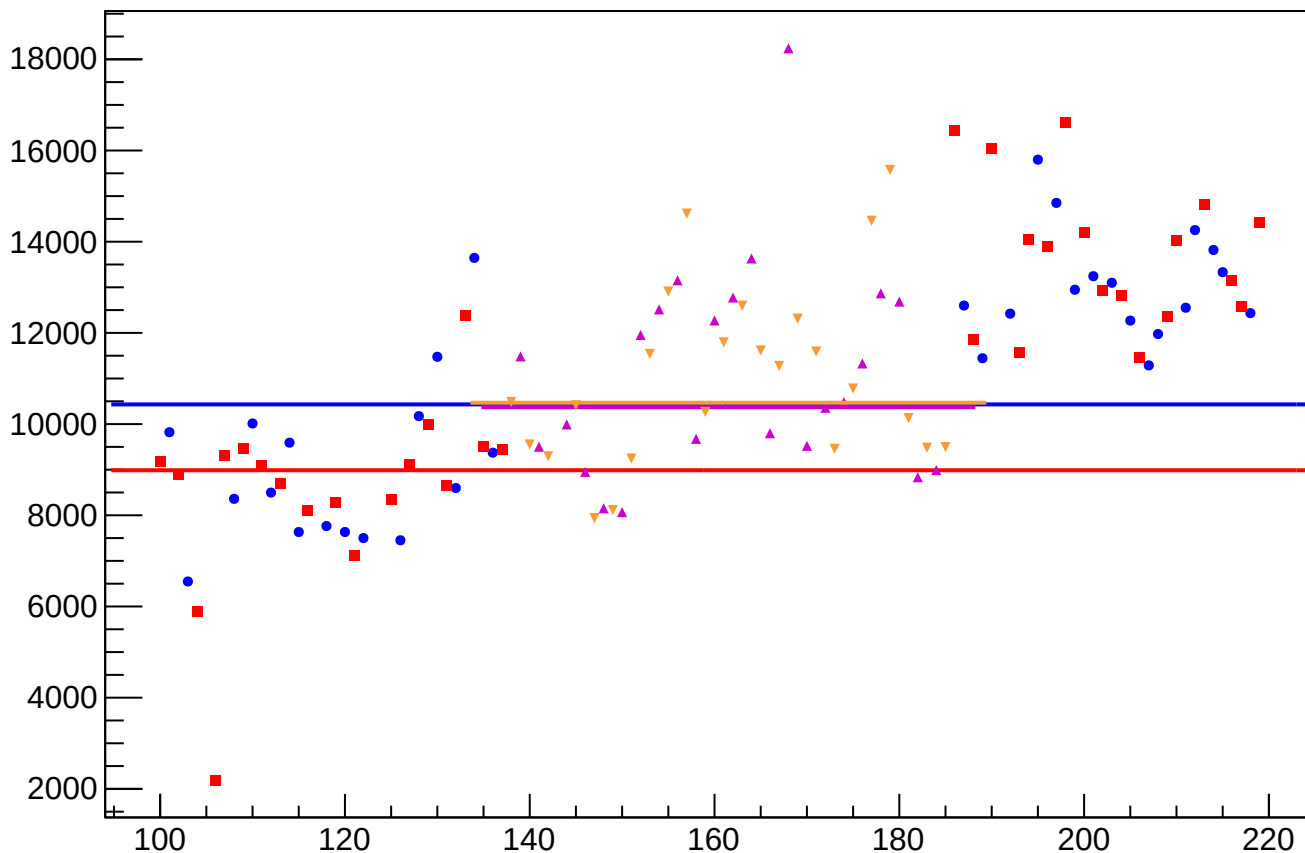
Left In: 182.426 $\pm$ 2471.223 χ^2 /NDF:13.8/22

+ sign 154.470 $\pm$ 1723.917 χ^2 /NDF: 68.3/55

All: 188.985 $\pm$ 1183.949 χ^2 /NDF: 125.8/113

- sign 219.798 $\pm$ 1628.838 χ^2 /NDF: 57.5/57

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 10432.084+/-1.695 χ^2/NDF : 2267633.2/31

Left Out: 10468.677+/-1.755 χ^2/NDF : 1045257.2/23

Right Out: 8987.895+/-1.532 χ^2/NDF : 7227601.6/34

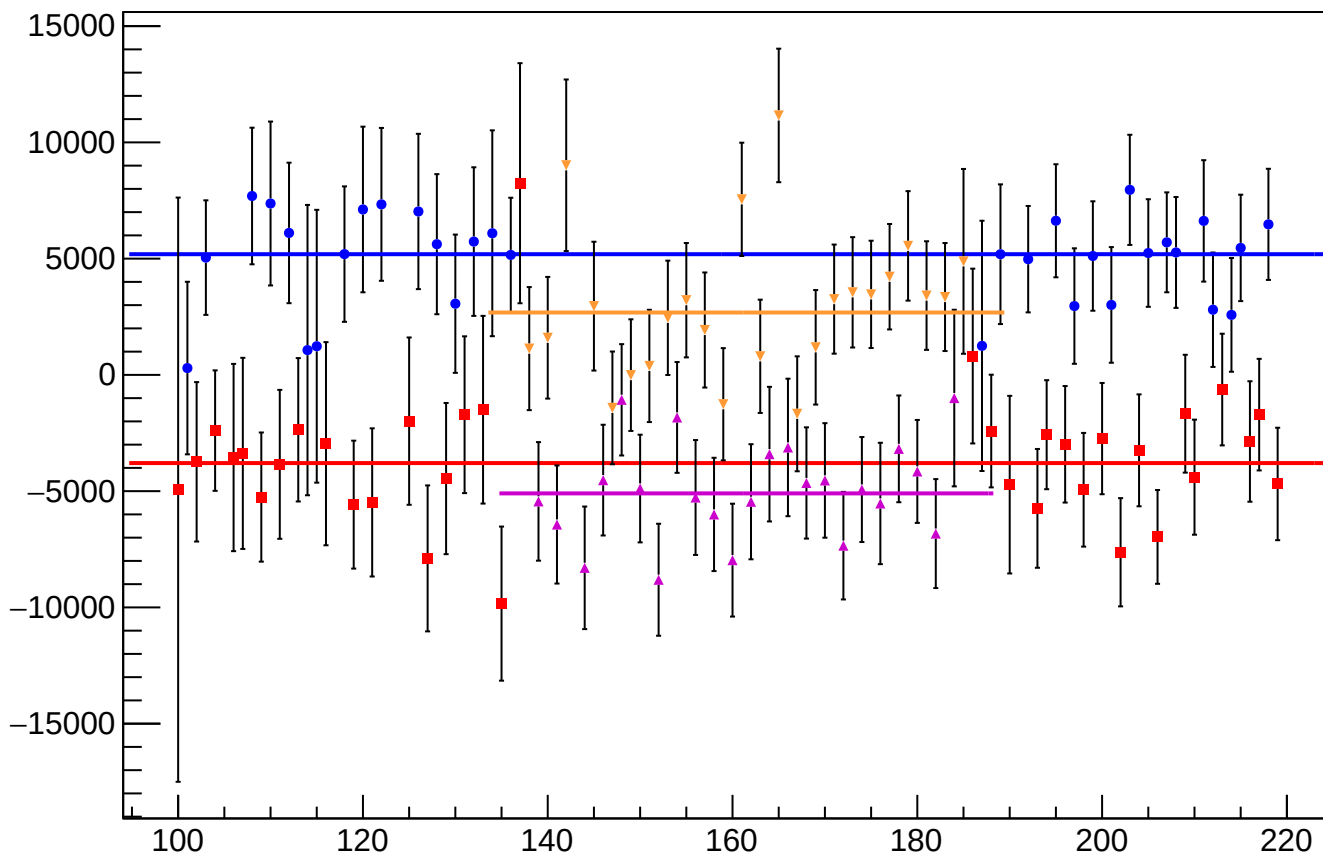
Left In: 10370.895+/-1.747 χ^2/NDF : 1203758.1/22

+ sign 10449.745+/-1.219 χ^2/NDF : 3313115.3/55

All: 9994.839+/-0.837 χ^2/NDF : 12362330.2/1

- sign 9588.729+/-1.152 χ^2/NDF : 8785624.2/57

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5191.082 ± 492.241 χ^2/NDF : 12.0/31

Left Out: 2682.792 ± 512.020 χ^2/NDF : 30.8/23

Right Out: -3792.508 ± 484.334 χ^2/NDF : 25.0/34

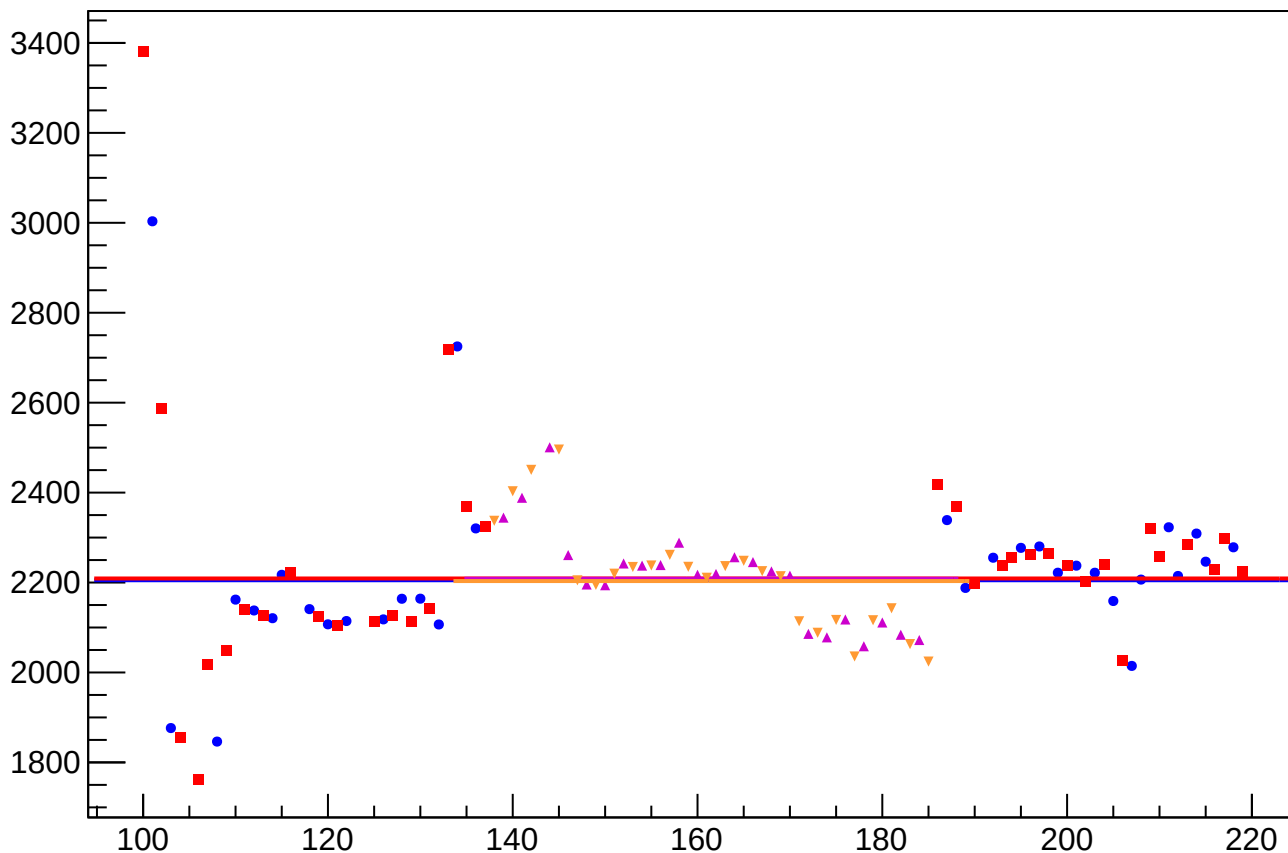
Left In: -5096.334 ± 516.232 χ^2/NDF : 14.9/22

+ sign 3986.320 ± 354.853 χ^2/NDF : 55.3/55

All: -227.704 ± 250.338 χ^2/NDF : 379.4/113

- sign -4402.898 ± 353.215 χ^2/NDF : 43.3/57

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2205.115 $\pm$ 0.348 χ^2 /NDF: 232811.2/31

Left Out: 2203.297 $\pm$ 0.362 χ^2 /NDF: 88208.3/23

Right Out: 2209.013 $\pm$ 0.342 χ^2 /NDF: 213845.3/34

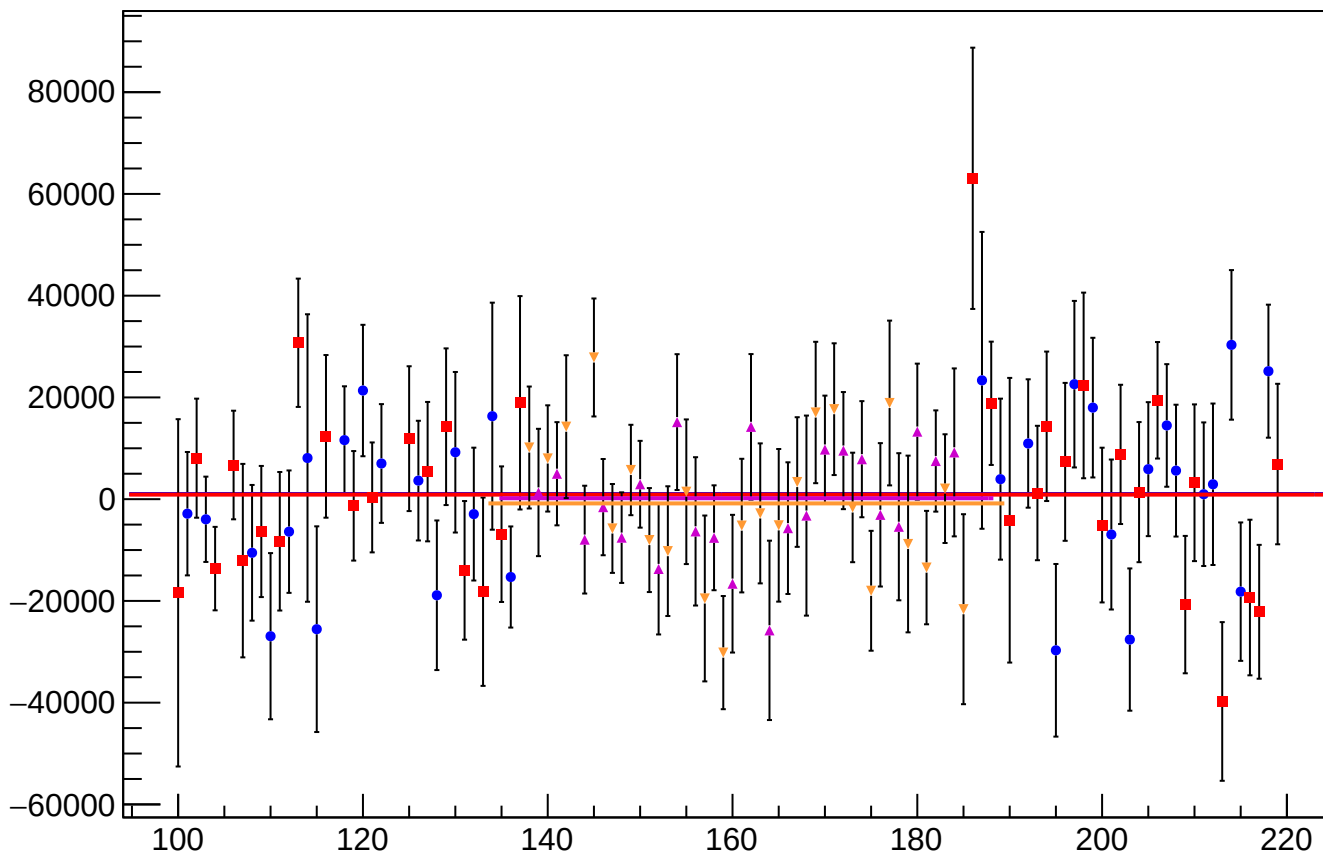
Left In: 2208.379 $\pm$ 0.365 χ^2 /NDF: 80994.3/22

+ sign 2204.242 $\pm$ 0.251 χ^2 /NDF: 321032.6/55

All: 2206.492 $\pm$ 0.177 χ^2 /NDF: 616033.7/113

- sign 2208.717 $\pm$ 0.250 χ^2 /NDF: 294841.2/57

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug



Right In: 1008.472 $\pm$ 2395.229 χ^2 /NDF: 38.6/31

Left Out: -833.458 $\pm$ 2481.469 χ^2 /NDF:29.5/23

Right Out: 898.211 $\pm$ 2346.455 χ^2 /NDF: 44.3/34

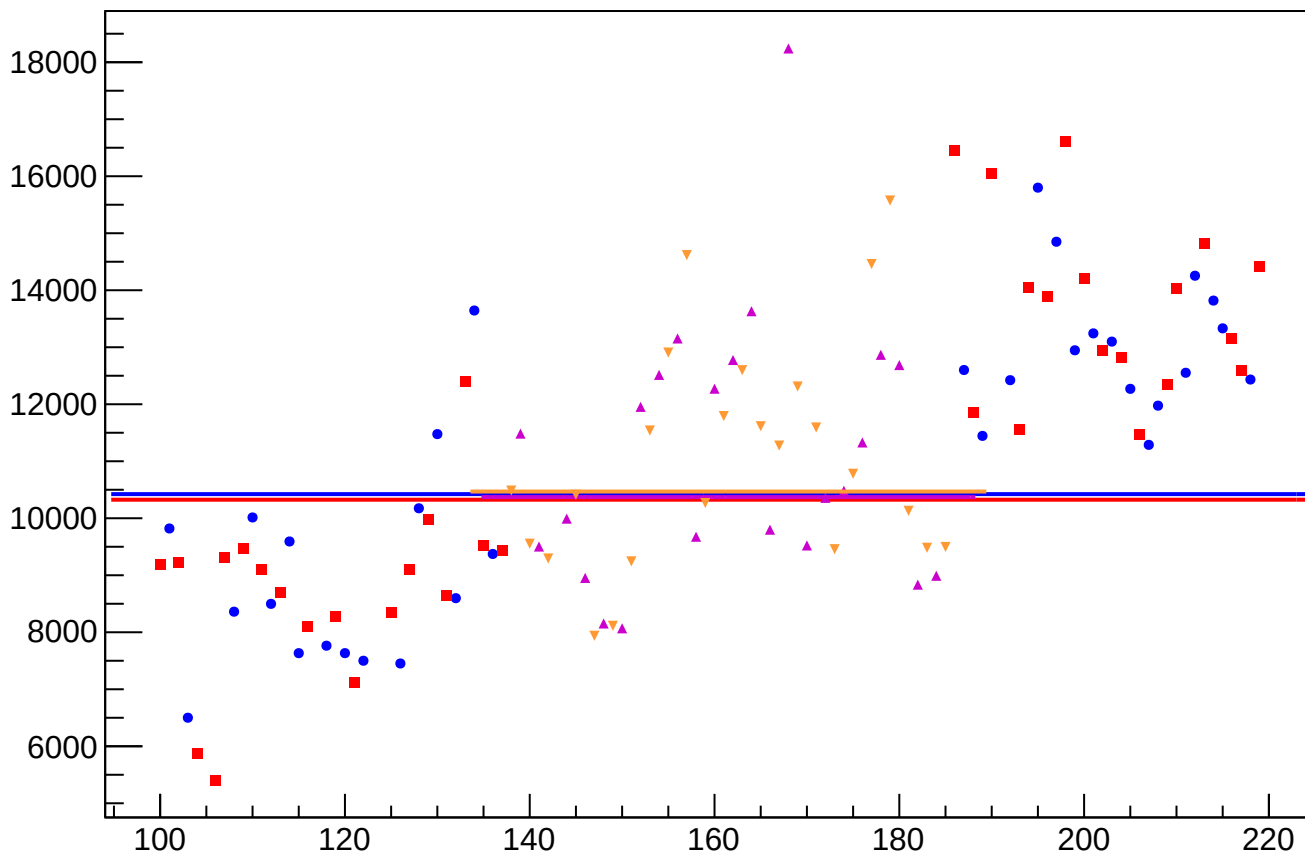
Left In: 182.360 $\pm$ 2471.221 χ^2 /NDF:13.8/22

+ sign 120.069 $\pm$ 1723.364 χ^2 /NDF: 68.4/55

All: 342.229 $\pm$ 1210.832 χ^2 /NDF: 126.5/113

- sign 558.812 $\pm$ 1701.593 χ^2 /NDF: 58.1/57

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug



Right In: 10423.398+/-1.694 χ^2/NDF : 2284619.1/31

Left Out: 10468.676+/-1.755 χ^2/NDF : 1045258.5/23

Right Out: 10325.502+/-1.659 χ^2/NDF : 3100705.5/34

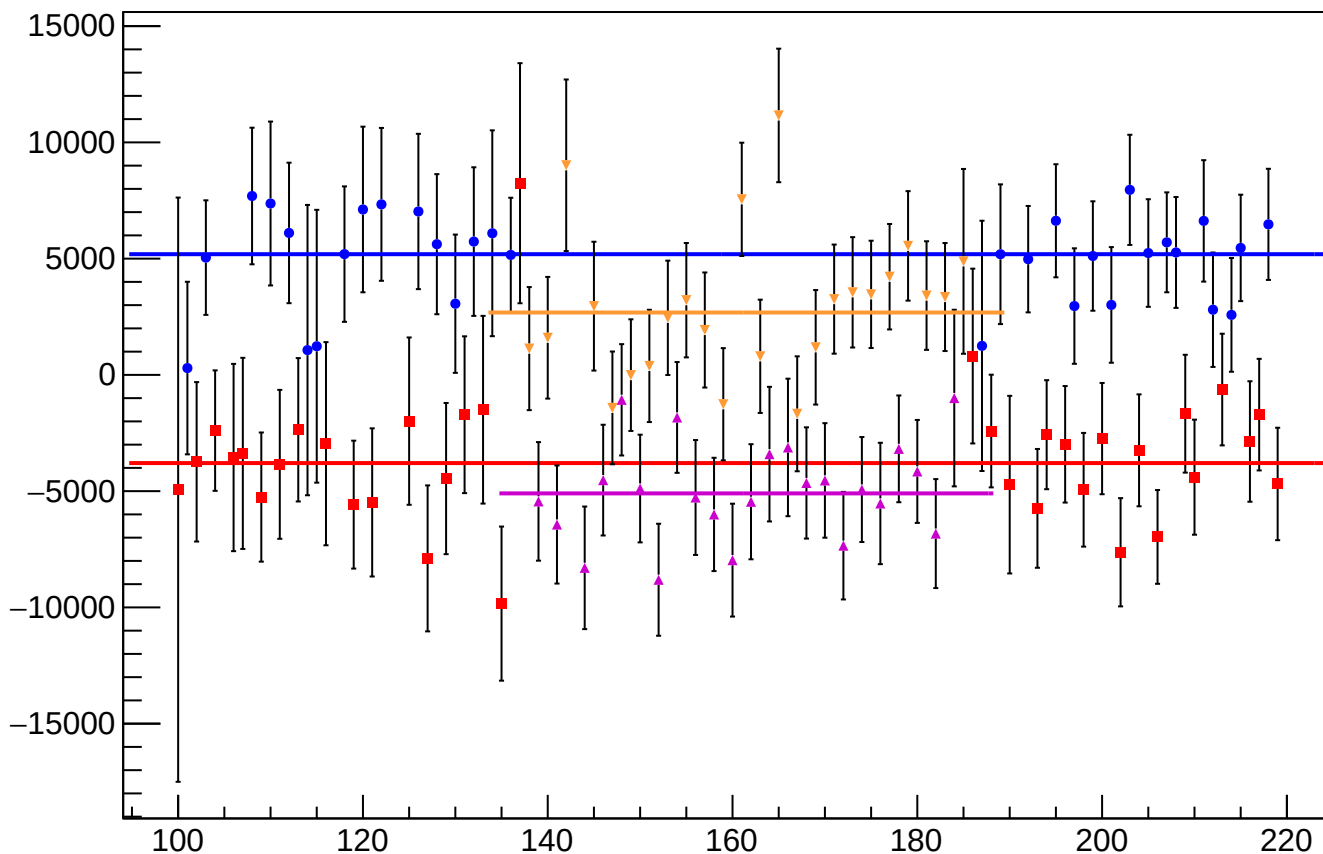
Left In: 10370.886+/-1.747 χ^2/NDF : 1203763.9/22

+ sign 10445.237+/-1.219 χ^2/NDF : 3330222.3/55

All: 10395.504+/-0.856 χ^2/NDF : 7638335.8/100

- sign 10347.019+/-1.203 χ^2/NDF : 4304824.1/57

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5191.082 ± 492.241 χ^2/NDF : 12.0/31

Left Out: 2682.792 ± 512.020 χ^2/NDF : 30.8/23

Right Out: -3792.508 ± 484.334 χ^2/NDF : 25.0/34

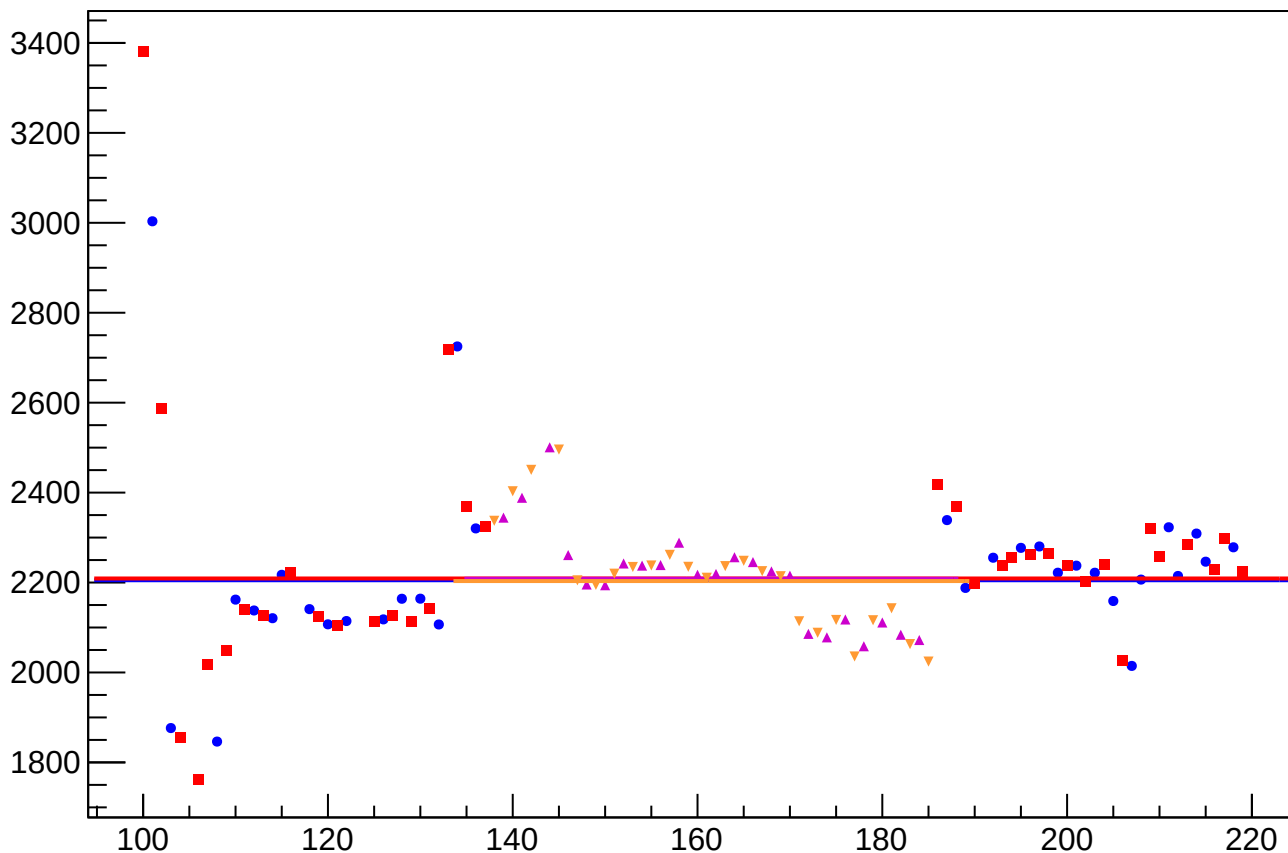
Left In: -5096.334 ± 516.232 χ^2/NDF : 14.9/22

+ sign 3986.320 ± 354.853 χ^2/NDF : 55.3/55

All: -227.704 ± 250.338 χ^2/NDF : 379.4/113

- sign -4402.898 ± 353.215 χ^2/NDF : 43.3/57

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2205.115 $\pm$ 0.348 χ^2 /NDF: 232811.2/31

Left Out: 2203.297 $\pm$ 0.362 χ^2 /NDF: 88208.3/23

Right Out: 2209.013 $\pm$ 0.342 χ^2 /NDF: 213845.3/34

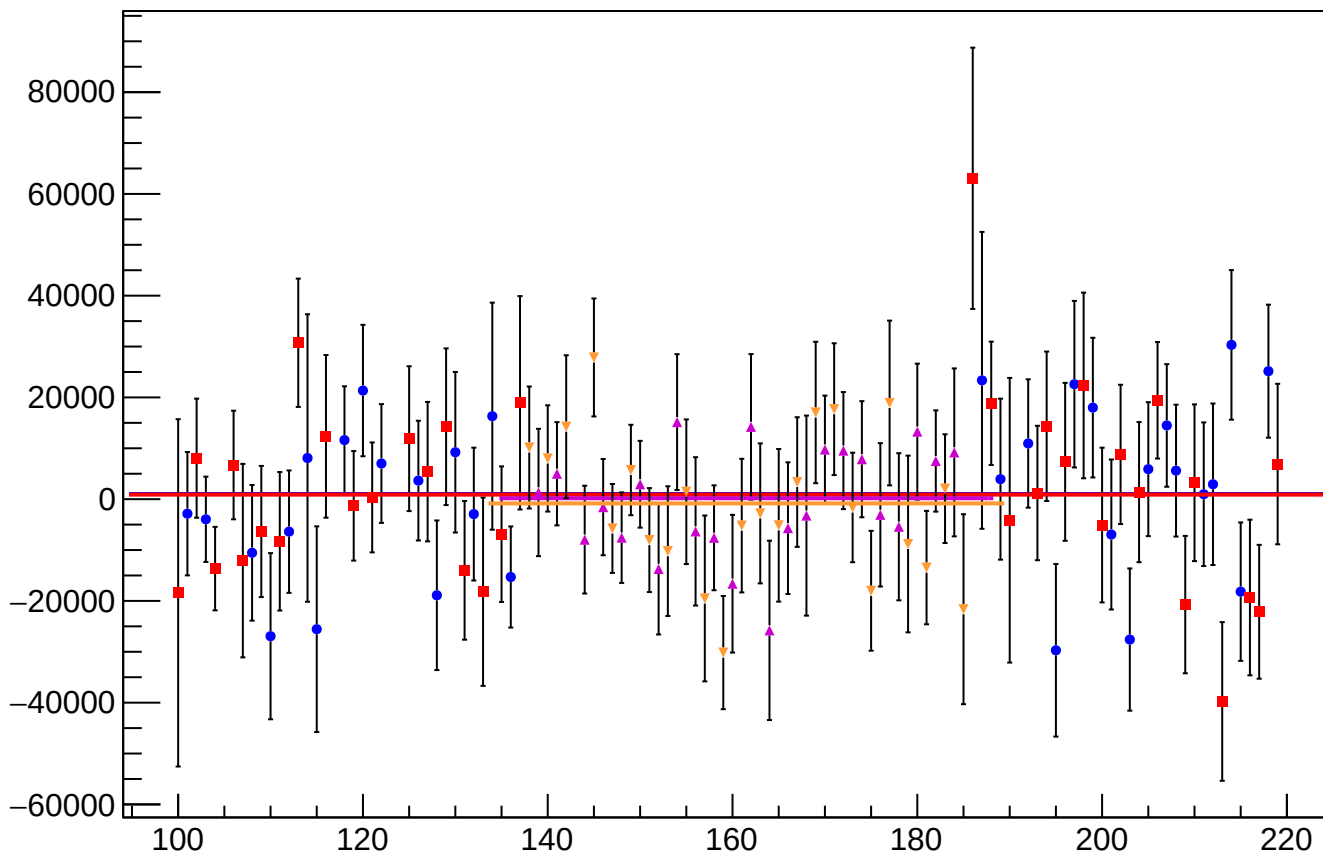
Left In: 2208.379 $\pm$ 0.365 χ^2 /NDF: 80994.3/22

+ sign 2204.242 $\pm$ 0.251 χ^2 /NDF: 321032.6/55

All: 2206.492 $\pm$ 0.177 χ^2 /NDF: 616033.7/113

- sign 2208.717 $\pm$ 0.250 χ^2 /NDF: 294841.2/57

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: 1008.472 $\pm$ 2395.229 χ^2 /NDF: 38.6/31

Left Out: -833.458 $\pm$ 2481.469 χ^2 /NDF:29.5/23

Right Out: 898.211 $\pm$ 2346.455 χ^2 /NDF: 44.3/34

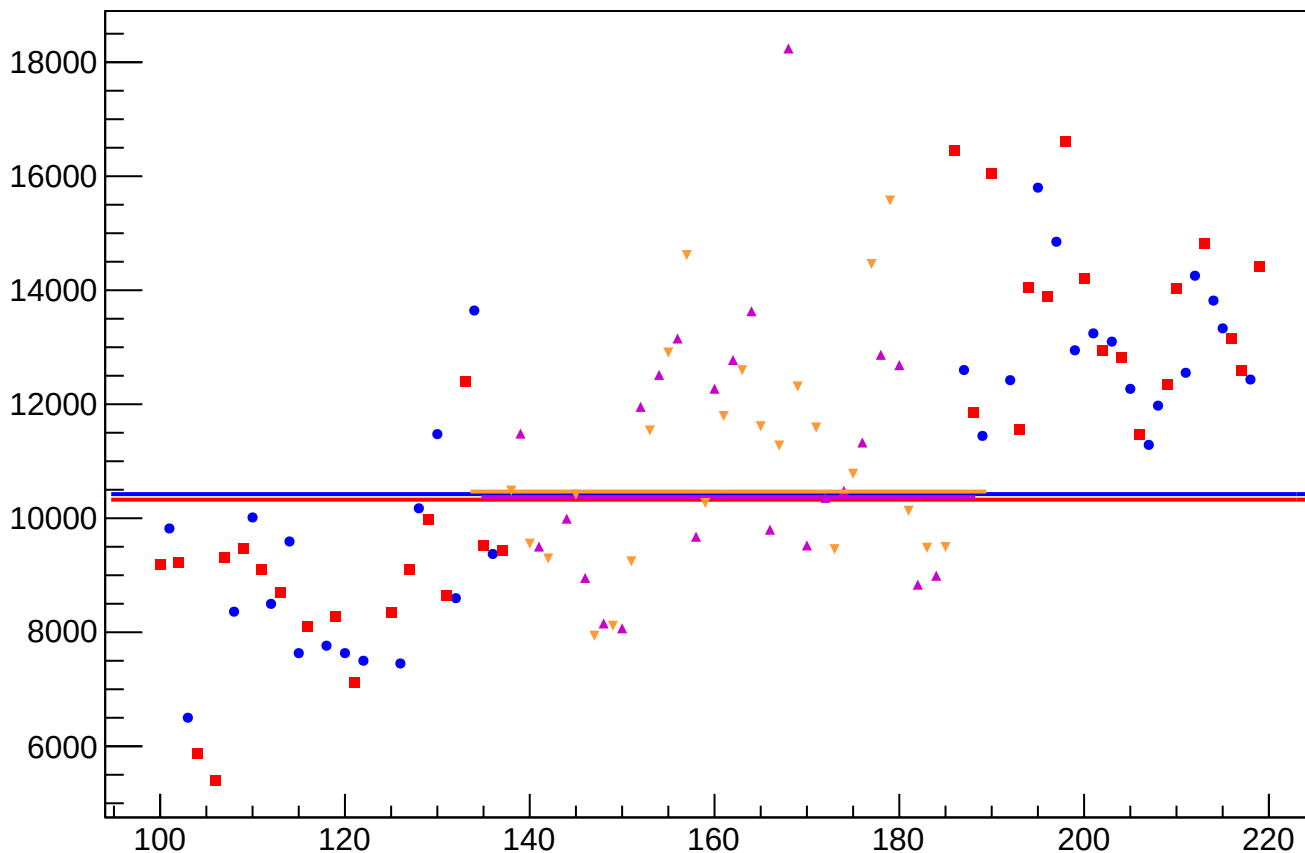
Left In: 182.360 $\pm$ 2471.221 χ^2 /NDF:13.8/22

+ sign 120.069 $\pm$ 1723.364 χ^2 /NDF: 68.4/55

All: 342.229 $\pm$ 1210.832 χ^2 /NDF: 126.5/113

- sign 558.812 $\pm$ 1701.593 χ^2 /NDF: 58.1/57

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 10423.398+/-1.694 χ^2/NDF : 2284619.1/31

Left Out: 10468.676+/-1.755 χ^2/NDF : 1045258.5/23

Right Out: 10325.502+/-1.659 χ^2/NDF : 3100705.5/34

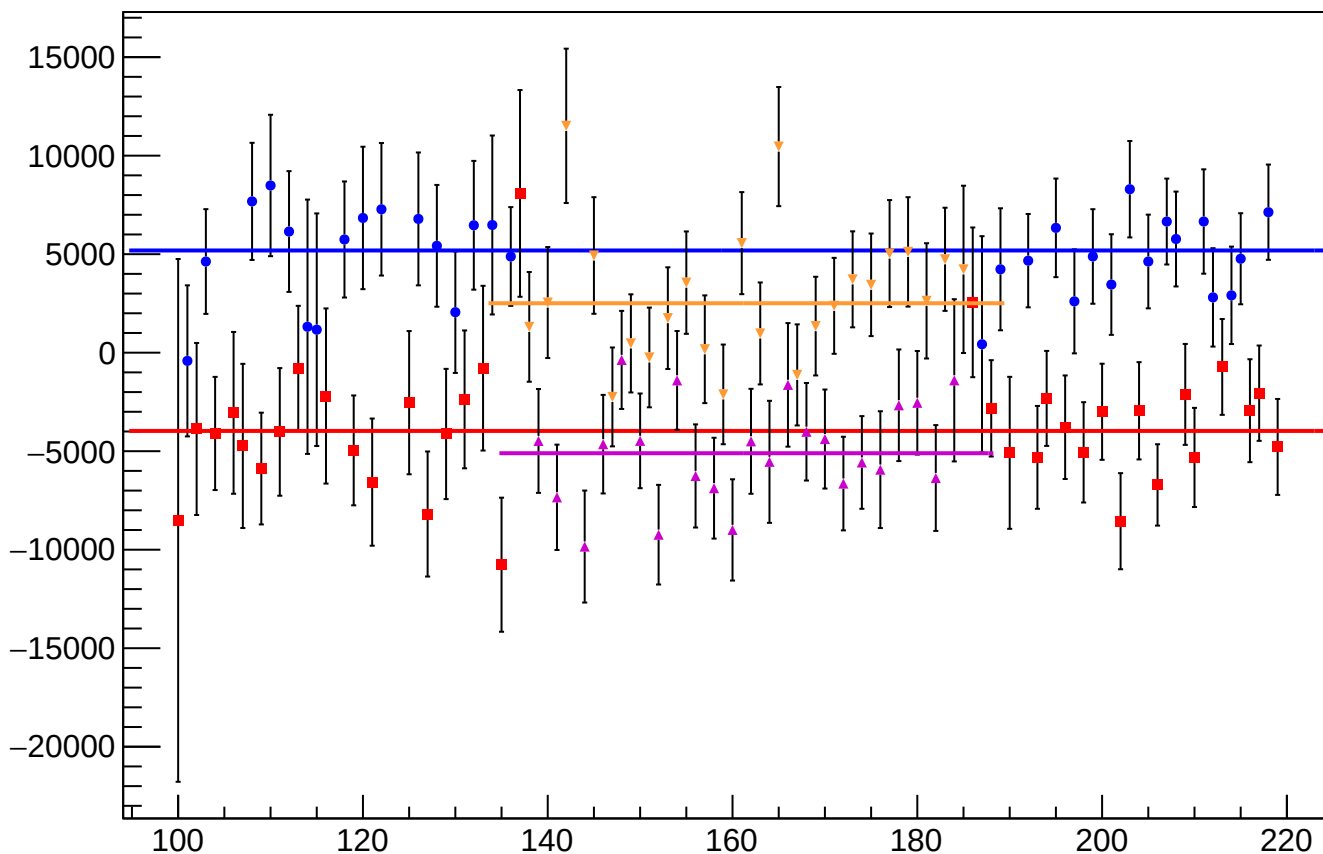
Left In: 10370.886+/-1.747 χ^2/NDF : 1203763.9/22

+ sign 10445.237+/-1.219 χ^2/NDF : 3330222.3/55

All: 10395.504+/-0.856 χ^2/NDF : 7638335.8/100

- sign 10347.019+/-1.203 χ^2/NDF : 4304824.1/57

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5187.558 $\pm$ 504.042 χ^2 /NDF: 14.3/31

Left Out: 2508.976 $\pm$ 551.601 χ^2 /NDF: 29.8/23

Right Out: -3971.883 $\pm$ 497.416 χ^2 /NDF: 27.9/34

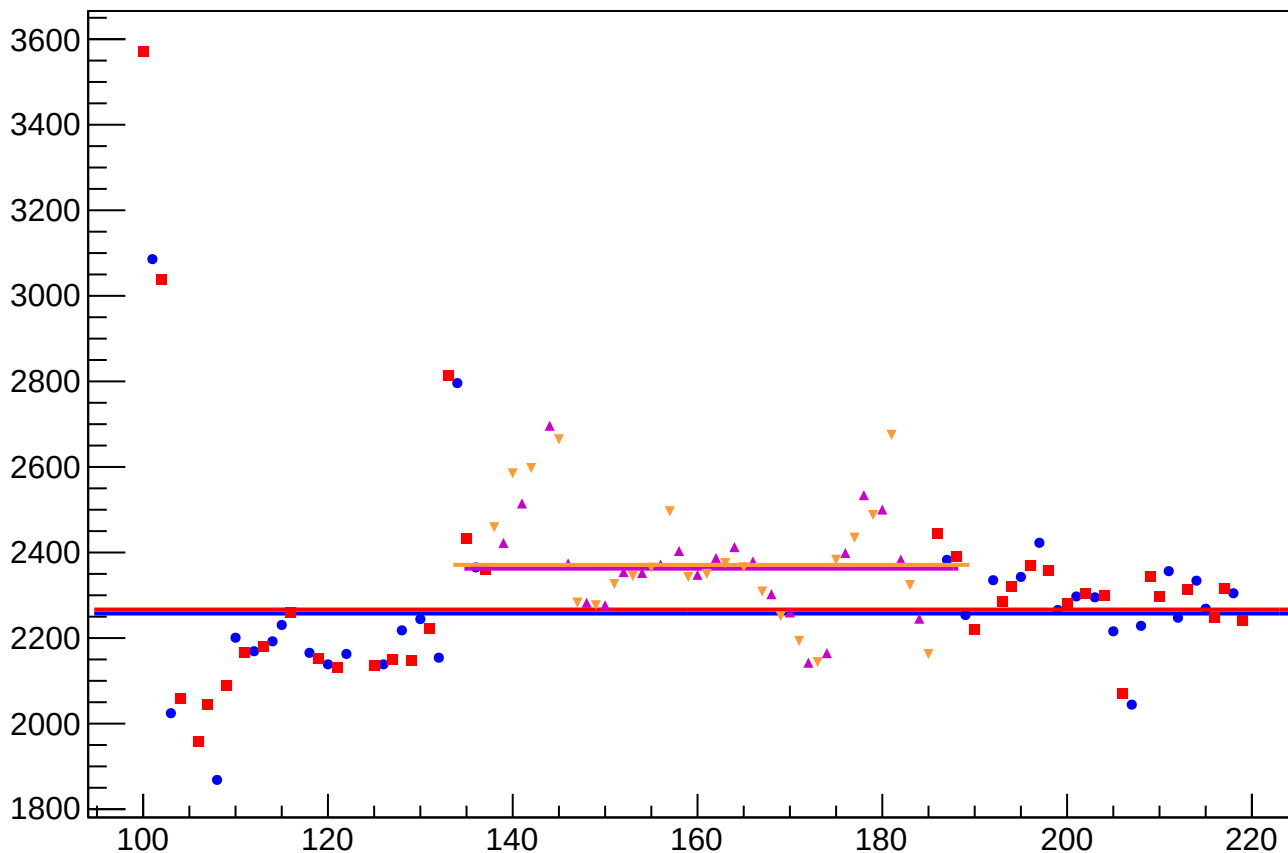
Left In: -5102.993 $\pm$ 552.583 χ^2 /NDF: 19.9/22

+ sign 3968.699 $\pm$ 372.091 χ^2 /NDF: 56.9/55

All: -282.010 $\pm$ 262.257 χ^2 /NDF: 366.3/113

- sign -4478.173 $\pm$ 369.696 χ^2 /NDF: 50.1/57

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2257.360+/-0.356 χ^2/NDF : 227698.1/31

Left Out: 2371.137+/-0.390 χ^2/NDF : 116296.5/23

Right Out: 2266.702+/-0.352 χ^2/NDF : 215424.4/34

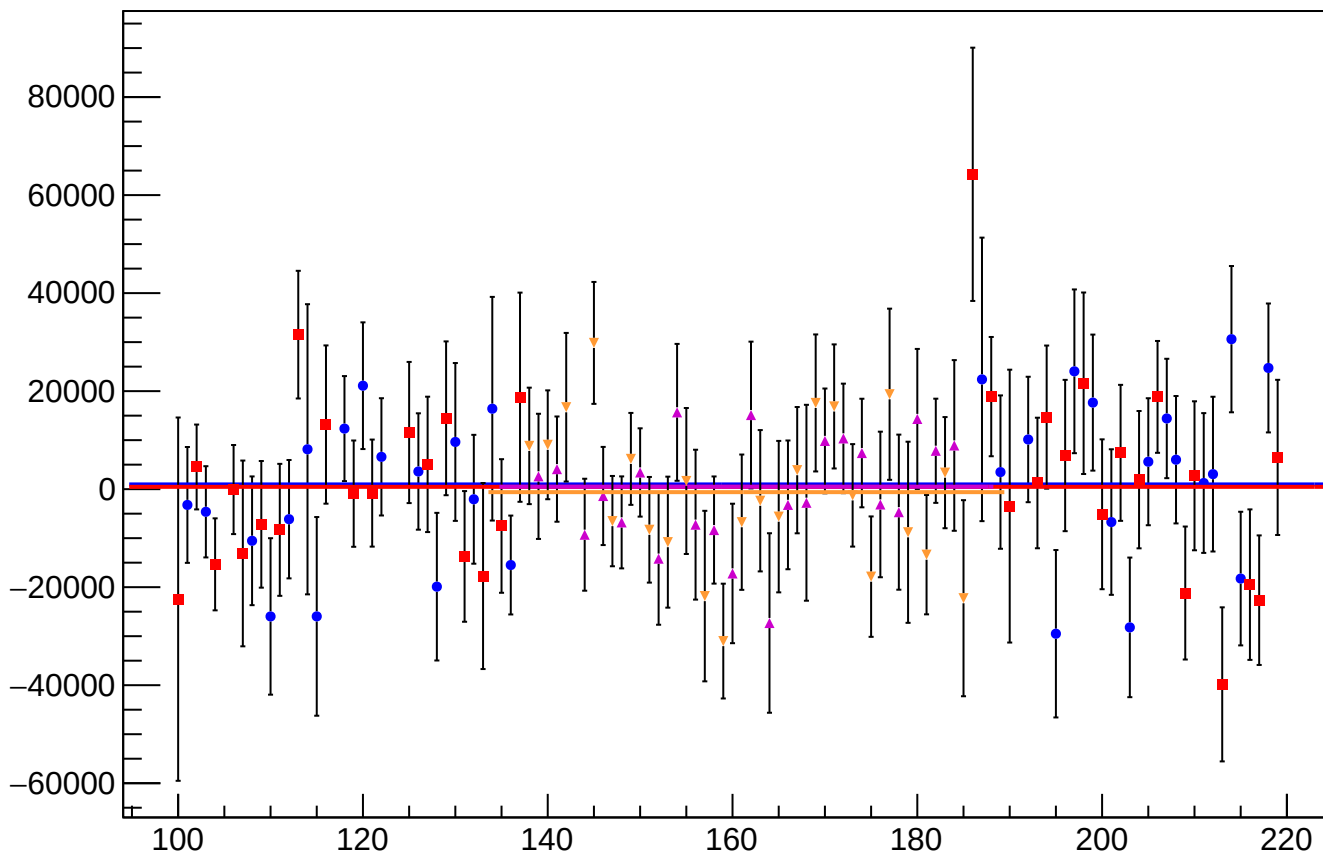
Left In: 2362.218+/-0.391 χ^2/NDF : 91896.7/22

+ sign 2309.133+/-0.263 χ^2/NDF : 390366.0/55

All: 2309.290+/-0.185 χ^2/NDF : 730704.0/113

- sign 2309.445+/-0.261 χ^2/NDF : 340337.3/57

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug



Right In: 967.376 $\pm$ 2427.726 χ^2 /NDF: 38.3/31

Left Out: -608.283 $\pm$ 2589.919 χ^2 /NDF:28.9/23

Right Out: 474.121 $\pm$ 2321.630 χ^2 /NDF: 43.5/34

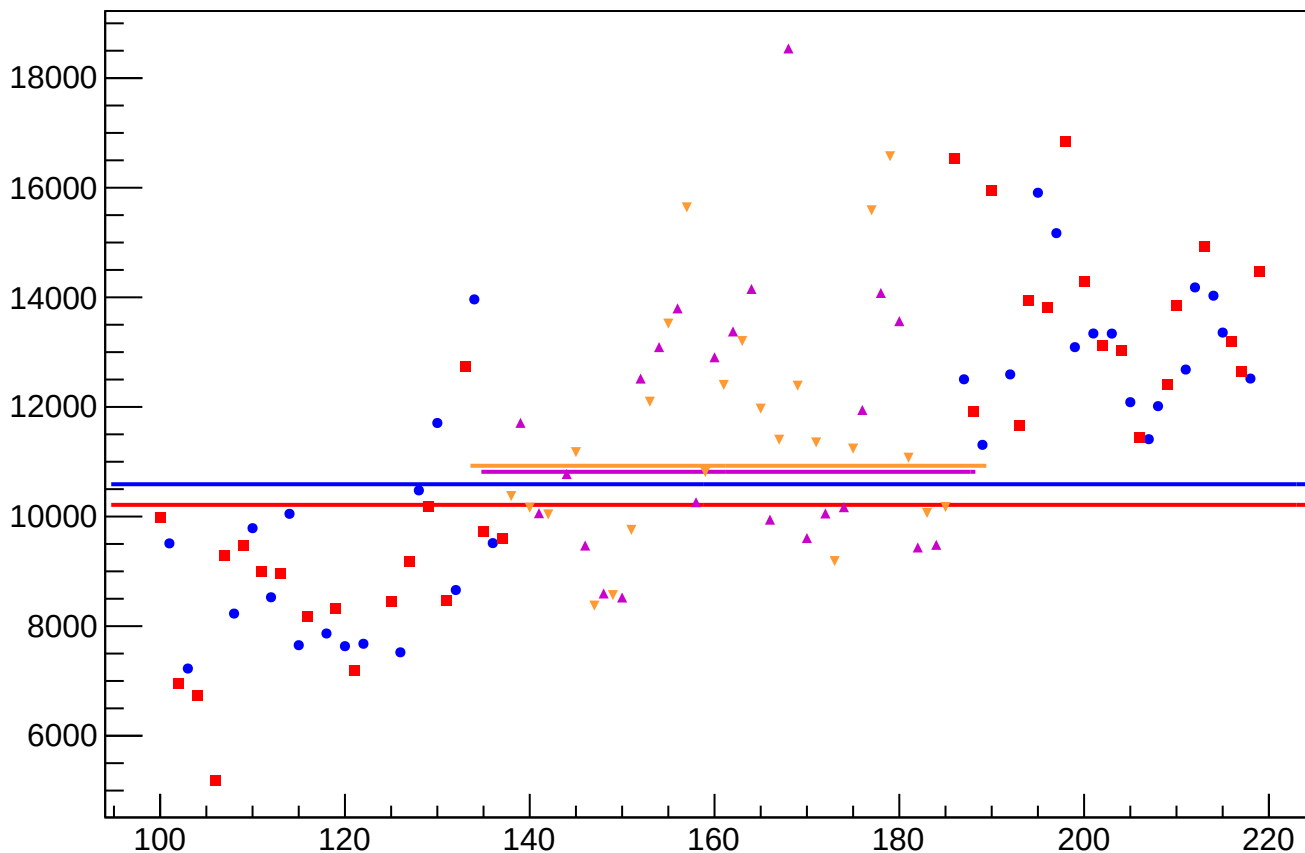
Left In: 490.044 $\pm$ 2577.213 χ^2 /NDF:13.5/22

+ sign 230.426 $\pm$ 1771.227 χ^2 /NDF: 67.3/55

All: 359.160 $\pm$ 1235.757 χ^2 /NDF: 124.4/113

- sign 481.254 $\pm$ 1724.942 χ^2 /NDF: 57.1/57

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 10589.598 $\pm$ 1.717 χ^2/NDF : 2105687.4/31

Left Out: 10926.860 $\pm$ 1.831 χ^2/NDF : 1057331.1/23

Right Out: 10213.473 $\pm$ 1.642 χ^2/NDF : 3308893.0/34

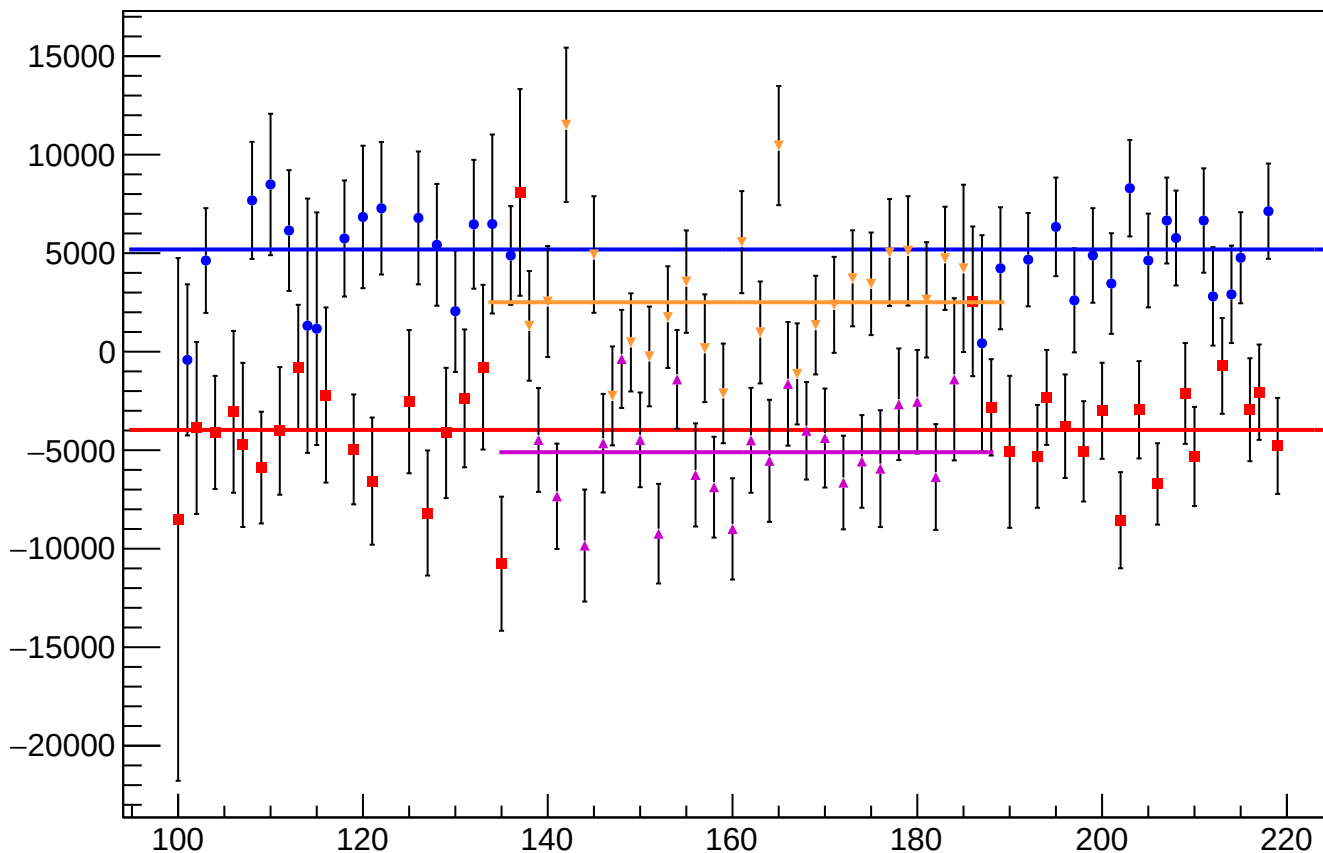
Left In: 10816.320 $\pm$ 1.822 χ^2/NDF : 1196820.9/22

+ sign 10747.339 $\pm$ 1.252 χ^2/NDF : 3181071.2/55

All: 10611.942 $\pm$ 0.874 χ^2/NDF : 7769965.6/100

- sign 10483.530 $\pm$ 1.220 χ^2/NDF : 4566123.7/57

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5187.552 $\pm$ 504.042 χ^2 /NDF: 14.3/31

Left Out: 2508.963 $\pm$ 551.602 χ^2 /NDF:29.8/23

Right Out: -3971.882 $\pm$ 497.416 χ^2 /NDF: 27.9/34

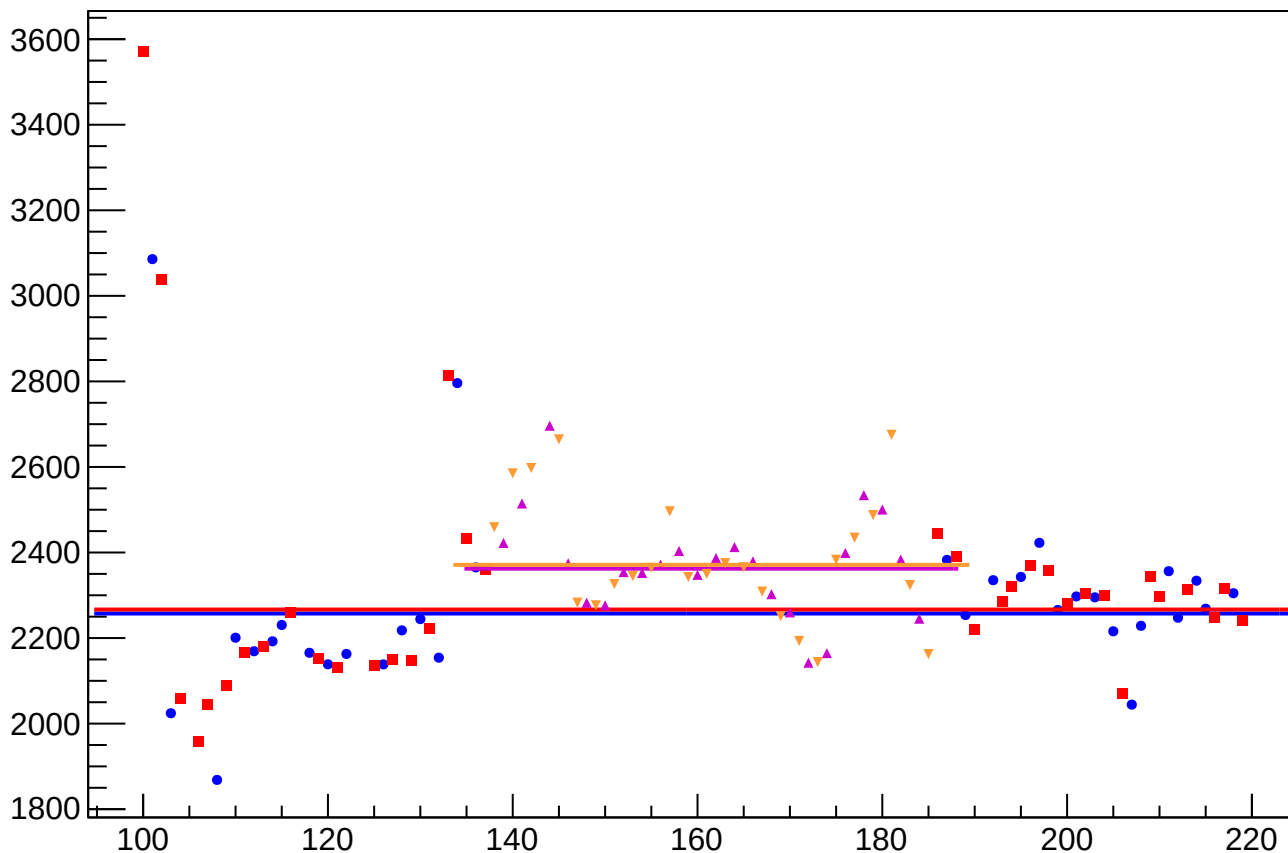
Left In: -5102.996 $\pm$ 552.584 χ^2 /NDF:19.9/22

+ sign 3968.692 $\pm$ 372.091 χ^2 /NDF: 56.9/55

All: -282.013 $\pm$ 262.257 χ^2 /NDF: 366.3/113

- sign -4478.173 $\pm$ 369.696 χ^2 /NDF: 50.1/57

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2257.360+/-0.356 χ^2/NDF : 227698.5/31

Left Out: 2371.140+/-0.390 χ^2/NDF : 116300.8/23

Right Out: 2266.701+/-0.352 χ^2/NDF : 215424.9/34

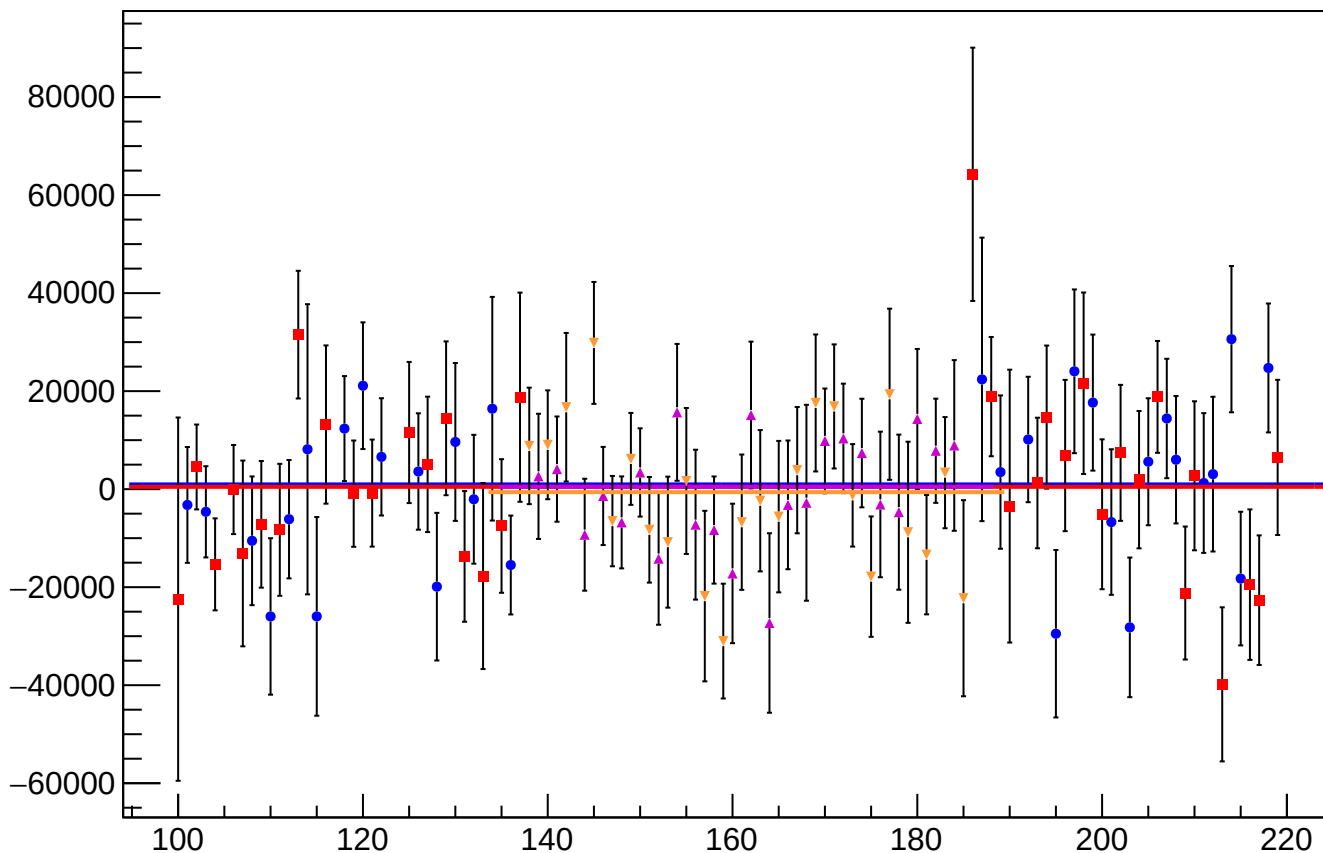
Left In: 2362.221+/-0.391 χ^2/NDF : 91901.3/22

+ sign 2309.134+/-0.263 χ^2/NDF : 390373.4/55

All: 2309.291+/-0.185 χ^2/NDF : 730718.8/113

- sign 2309.446+/-0.261 χ^2/NDF : 340344.6/57

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: 967.380 ± 2427.724 $\chi^2/\text{NDF}: 38.3/31$

Left Out: -608.291 ± 2589.924 $\chi^2/\text{NDF}: 28.9/23$

Right Out: 474.112 ± 2321.628 $\chi^2/\text{NDF}: 43.5/34$

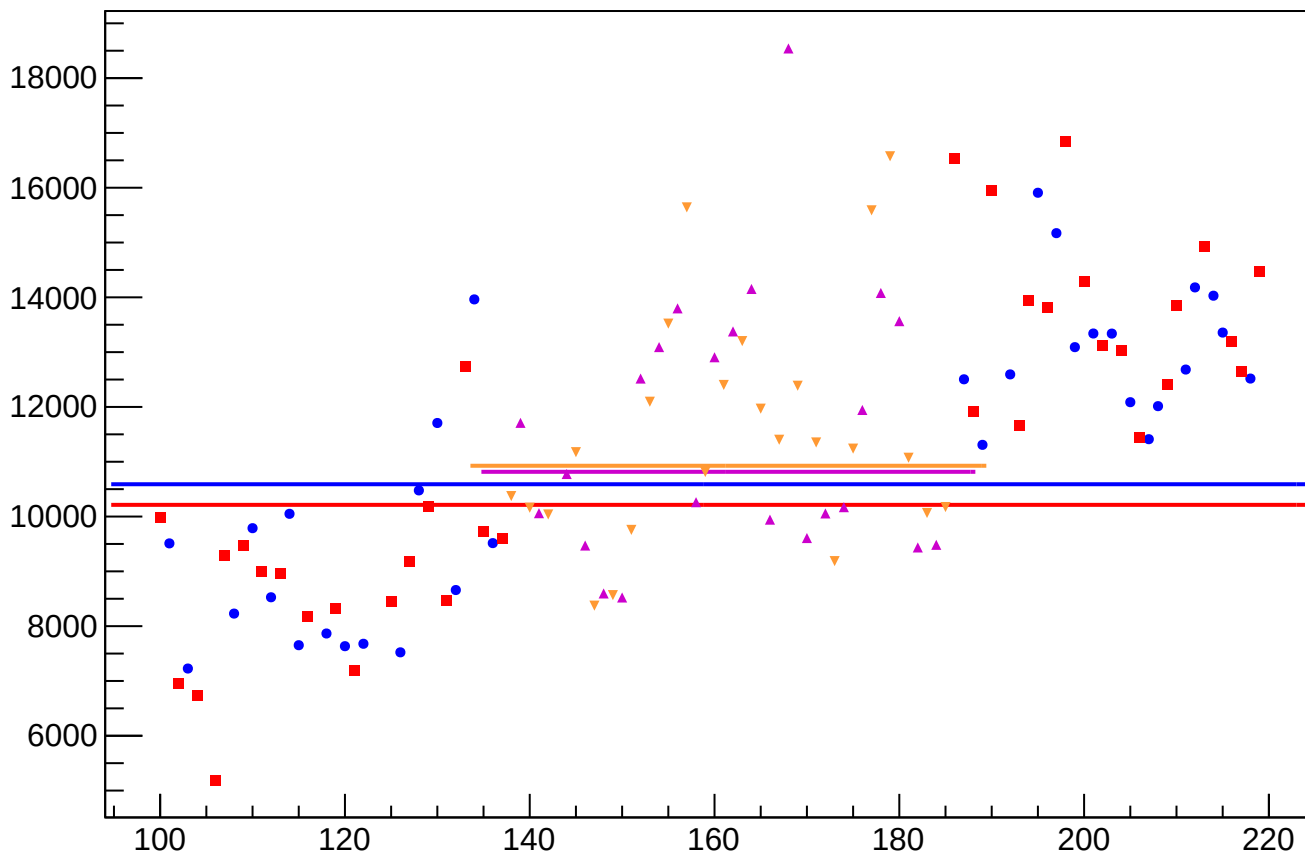
Left In: 490.047 ± 2577.218 $\chi^2/\text{NDF}: 13.5/22$

+ sign 230.426 ± 1771.228 $\chi^2/\text{NDF}: 67.3/55$

All: 359.158 ± 1235.758 $\chi^2/\text{NDF}: 124.4/113$

- sign 481.250 ± 1724.943 $\chi^2/\text{NDF}: 57.1/57$

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 10589.588+/-1.717 χ^2/NDF : 2105721.6/31

Left Out: 10926.878+/-1.831 χ^2/NDF : 1057333.6/23

Right Out: 10213.461+/-1.642 χ^2/NDF : 3308924.0/34

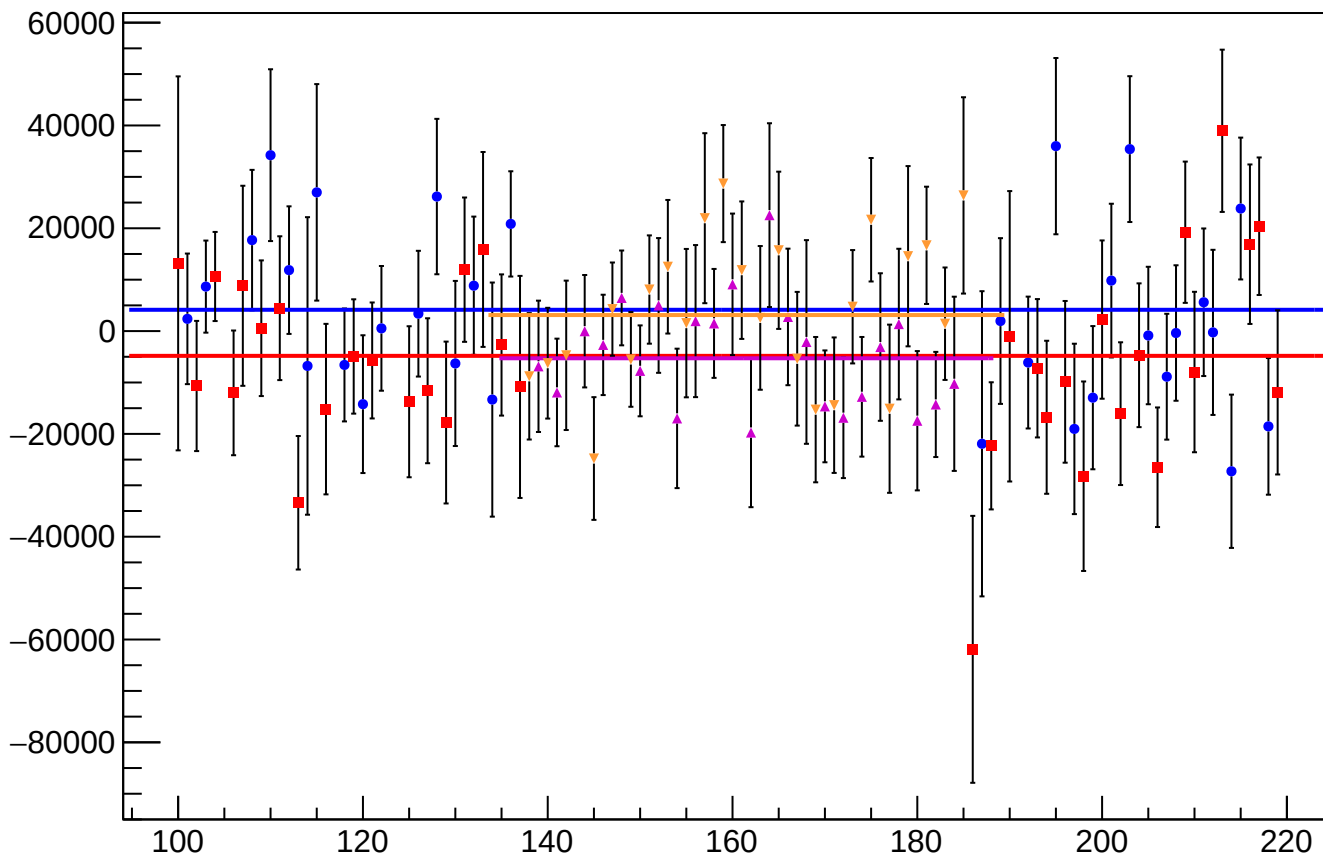
Left In: 10816.337+/-1.822 χ^2/NDF : 1196824.5/22

+ sign 10747.341+/-1.252 χ^2/NDF : 3181110.9/55

All: 10611.944+/-0.874 χ^2/NDF : 7770045.9/100

- sign 10483.530+/-1.220 χ^2/NDF : 4566163.9/57

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 4143.709 $\pm$ 2461.795 χ^2 /NDF: 39.2/31

Left Out: 3119.161 $\pm$ 2542.855 χ^2 /NDF: 27.4/23

Right Out: -4817.878 $\pm$ 2422.519 χ^2 /NDF: 44.4/34

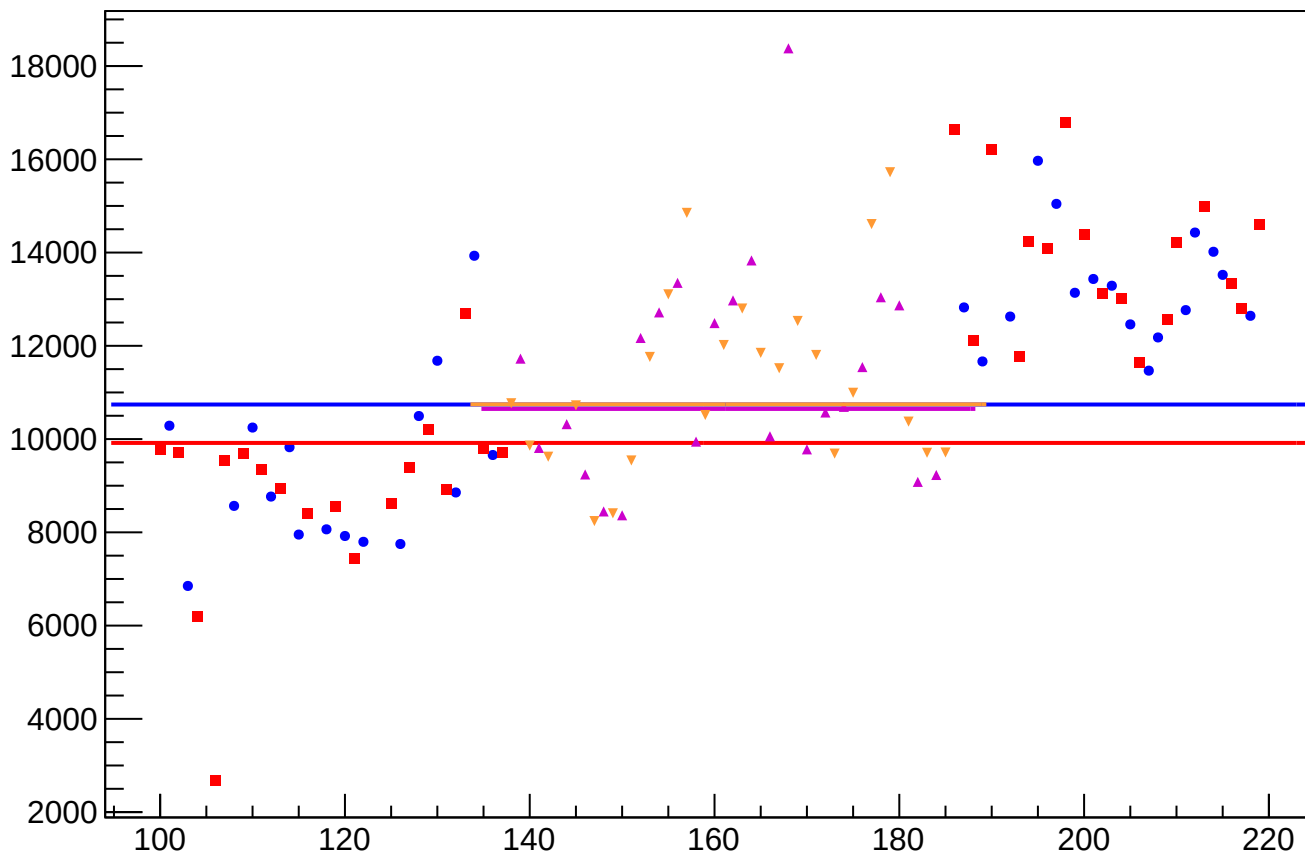
Left In: -5290.718 $\pm$ 2532.995 χ^2 /NDF: 13.3/22

+ sign 3648.025 $\pm$ 1768.715 χ^2 /NDF: 66.8/55

All: -742.276 $\pm$ 1244.264 χ^2 /NDF: 136.7/113

- sign -5043.762 $\pm$ 1750.733 χ^2 /NDF: 57.8/57

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10741.201+/-1.741 χ^2/NDF : 2069953.4/31

Left Out: 10745.331+/-1.798 χ^2/NDF : 964618.1/23

Right Out: 9917.408+/-1.641 χ^2/NDF : 5049657.8/34

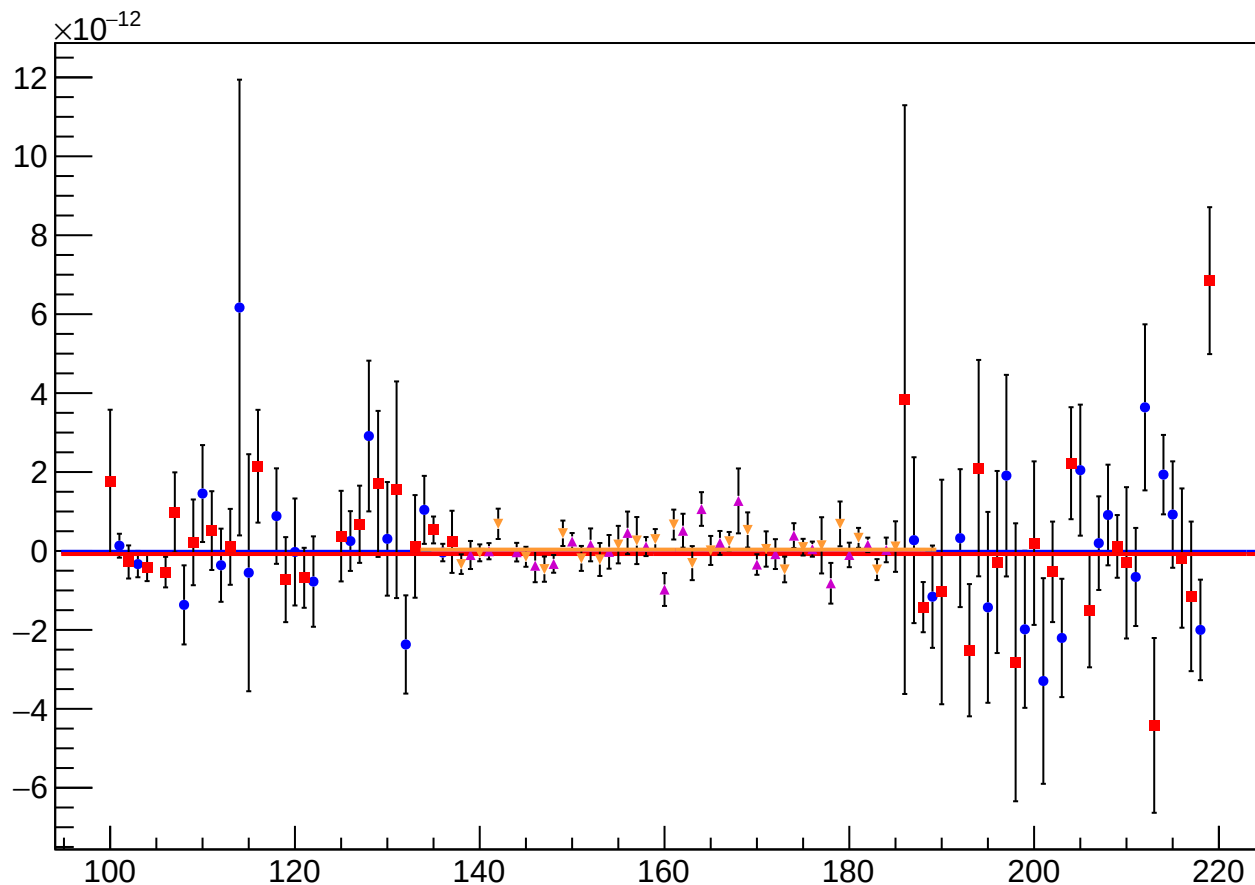
Left In: 10646.477+/-1.791 χ^2/NDF : 1114064.0/22

+ sign 10743.199+/-1.251 χ^2/NDF : 3034574.3/55

All: 10488.503+/-0.870 χ^2/NDF : 9368662.5/100

- sign 10250.119+/-1.210 χ^2/NDF : 6253799.4/57

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 32.8/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 26.3/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 44.0/34

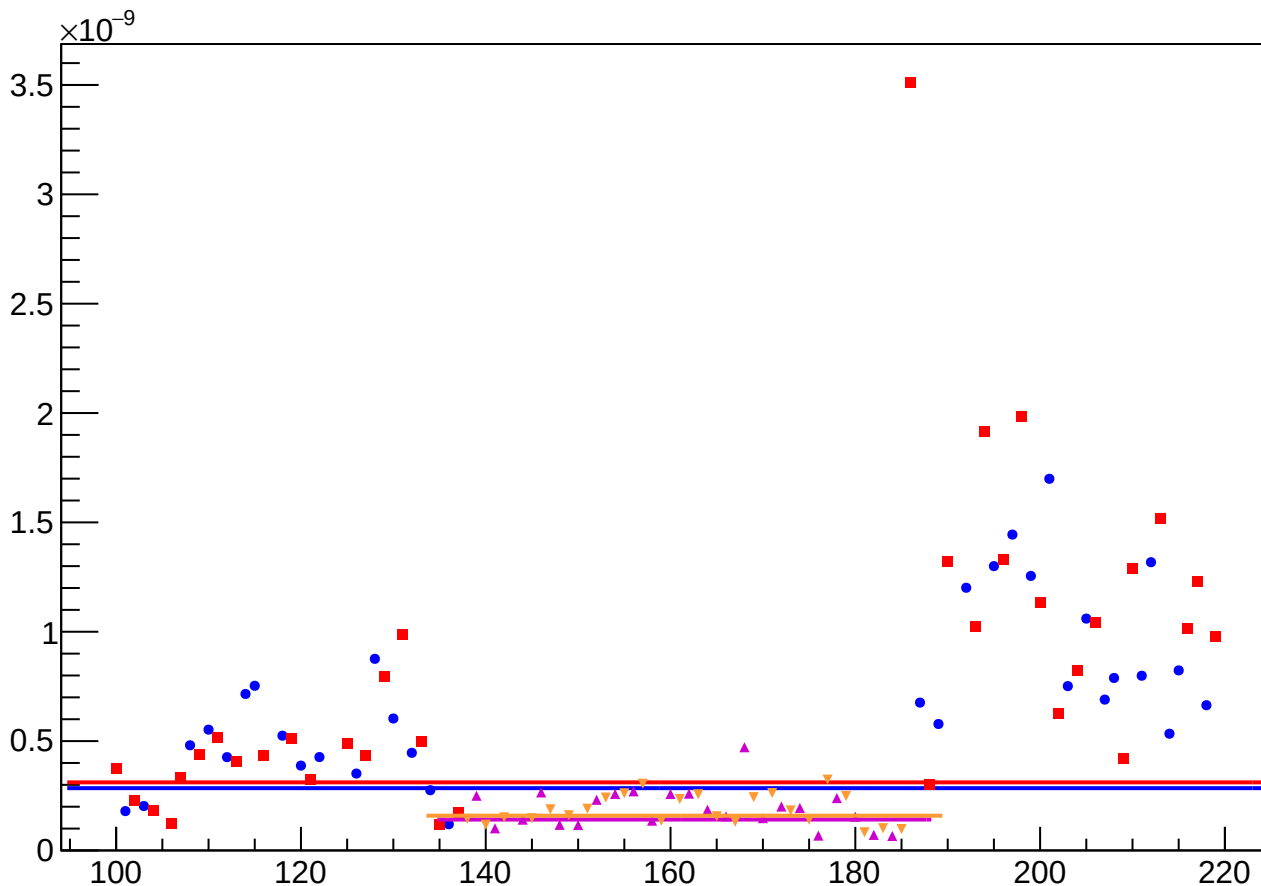
Left In: 0.000 ± 0.000 χ^2/NDF : 27.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 59.2/55

All: 0.000 ± 0.000 χ^2/NDF : 131.6/113

- sign 0.000 ± 0.000 χ^2/NDF : 72.4/57

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 7381547.7/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1297018.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 8026342.7/34

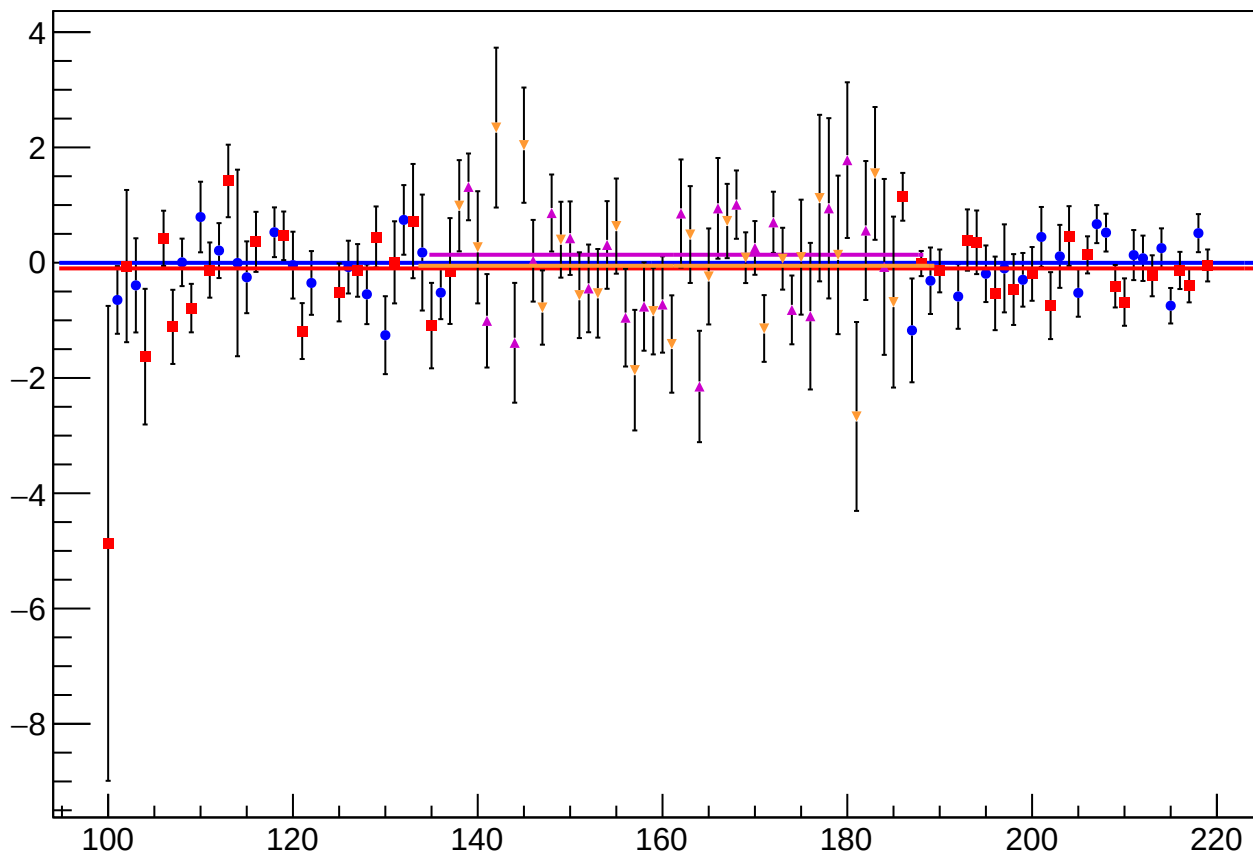
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2396288.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 10127676.0/55

All: 0.000 $\pm$ 0.000 χ^2/NDF : 23028301.0/113

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 12820479.8/57

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.084 χ^2/NDF : 34.5/31

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.099 ± 0.076 χ^2/NDF : 45.4/34

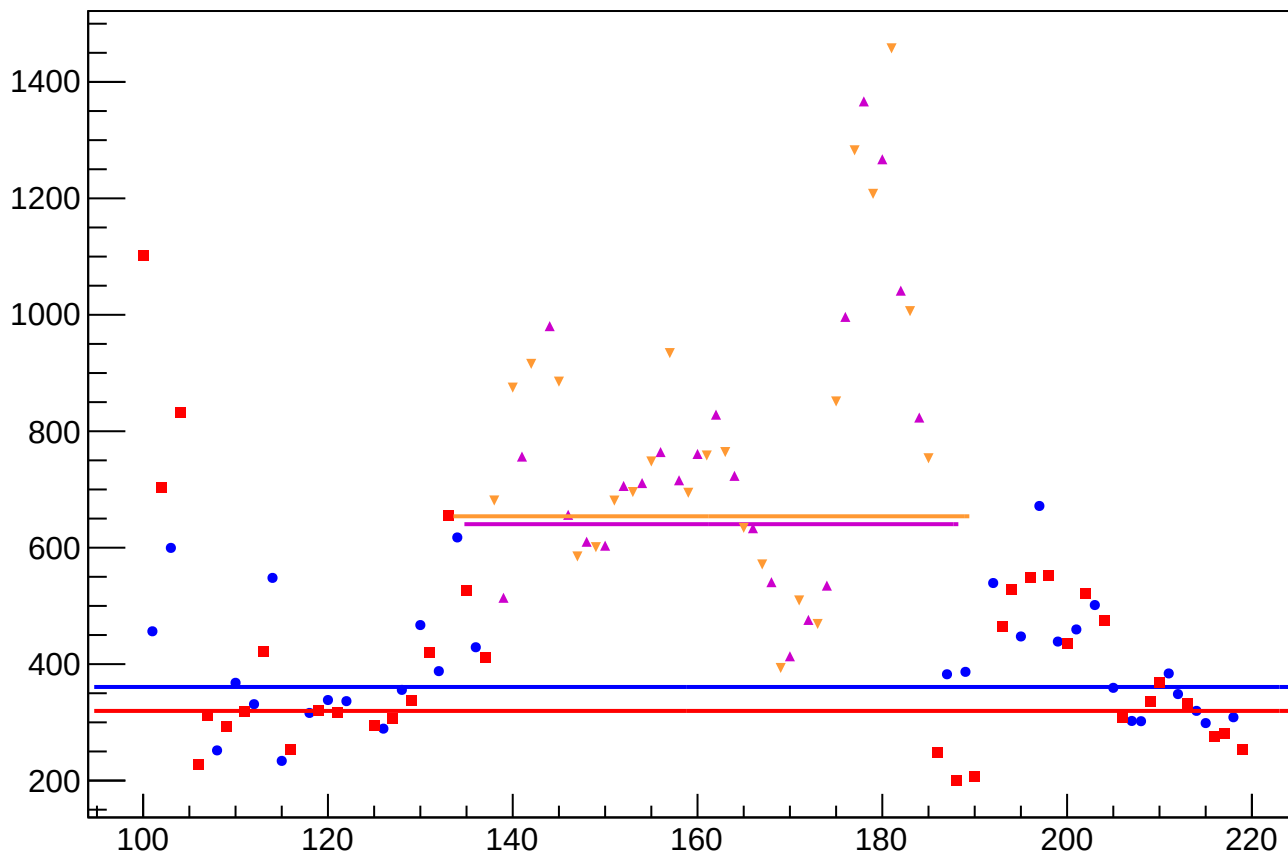
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.013 ± 0.075 χ^2/NDF : 64.7/55

All: -0.036 ± 0.050 χ^2/NDF : 142.1/113

- sign -0.055 ± 0.068 χ^2/NDF : 77.2/57

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 360.772 ± 0.060 $\chi^2/\text{NDF}: 1944004.5/31$

Left Out: 653.930 ± 0.114 $\chi^2/\text{NDF}: 3124472.6/23$

Right Out: 319.631 ± 0.053 $\chi^2/\text{NDF}: 3836102.3/34$

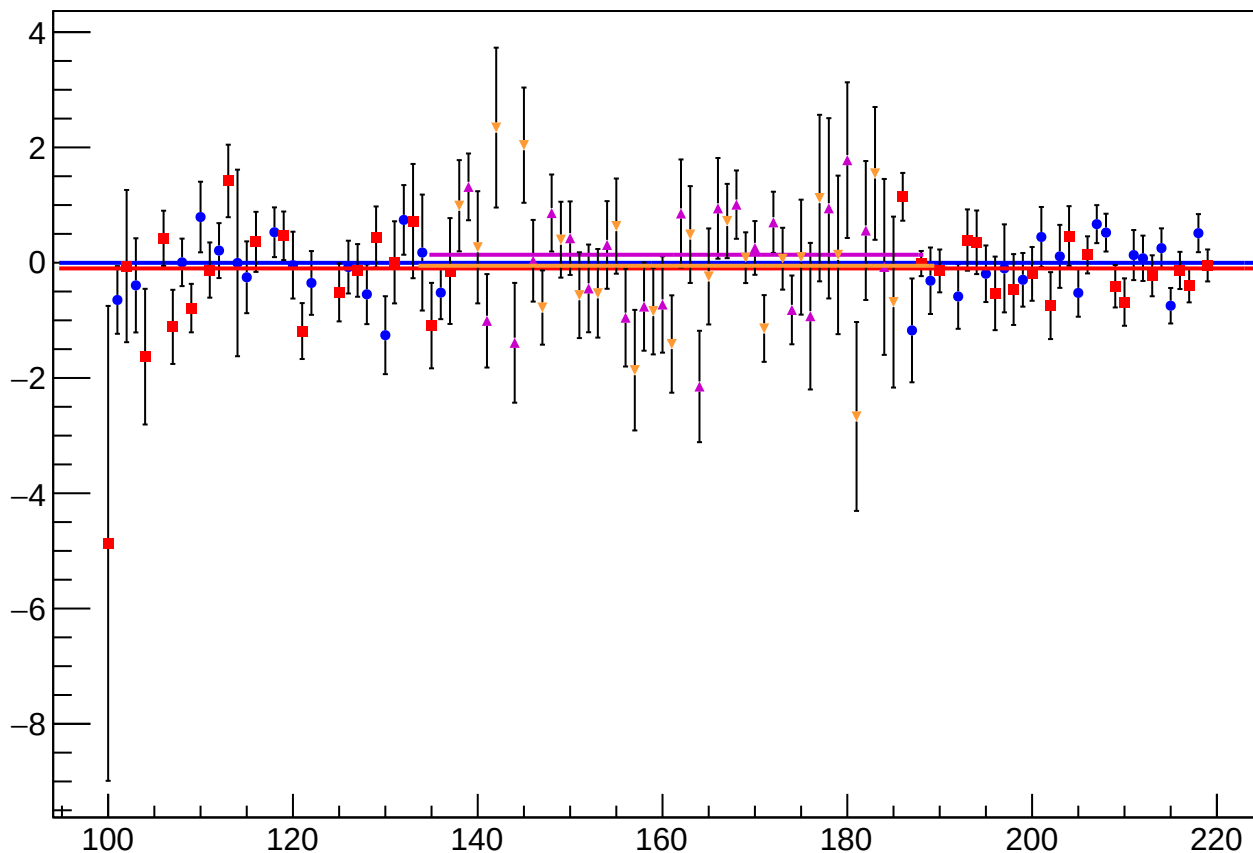
Left In: 640.392 ± 0.112 $\chi^2/\text{NDF}: 2647967.4/22$

+ sign 423.773 ± 0.053 $\chi^2/\text{NDF}: 10253418.5/55$

All: 399.622 ± 0.036 $\chi^2/\text{NDF}: 23834694.9/1$

- sign 379.528 ± 0.048 $\chi^2/\text{NDF}: 13199187.5/57$

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.084 χ^2/NDF : 34.5/31

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.099 ± 0.076 χ^2/NDF : 45.4/34

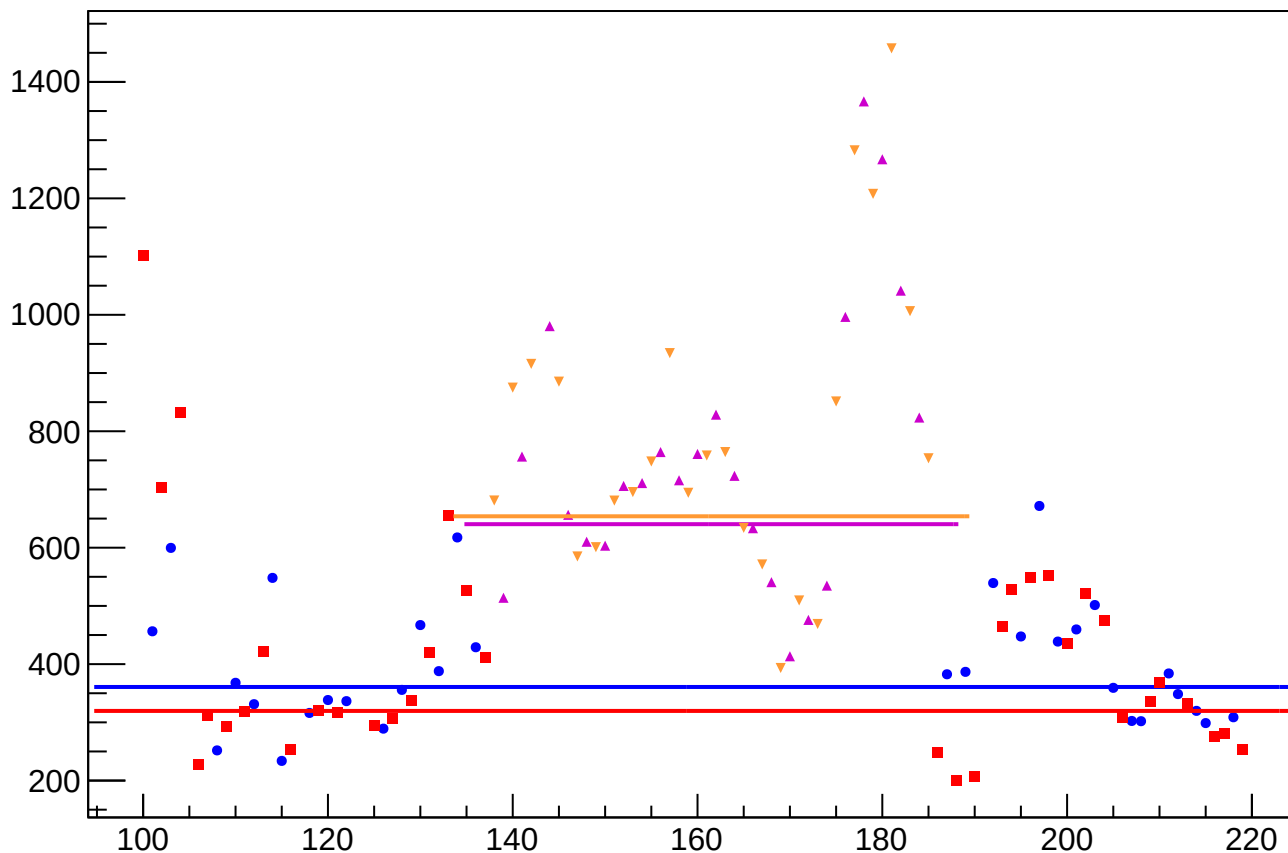
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.013 ± 0.075 χ^2/NDF : 64.7/55

All: -0.036 ± 0.050 χ^2/NDF : 142.1/113

- sign -0.055 ± 0.068 χ^2/NDF : 77.2/57

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 360.772 $\pm$ 0.060 χ^2 /NDF: 1944004.5/31

Left Out: 653.930 $\pm$ 0.114 χ^2 /NDF: 3124472.6/23

Right Out: 319.631 $\pm$ 0.053 χ^2 /NDF: 3836102.3/34

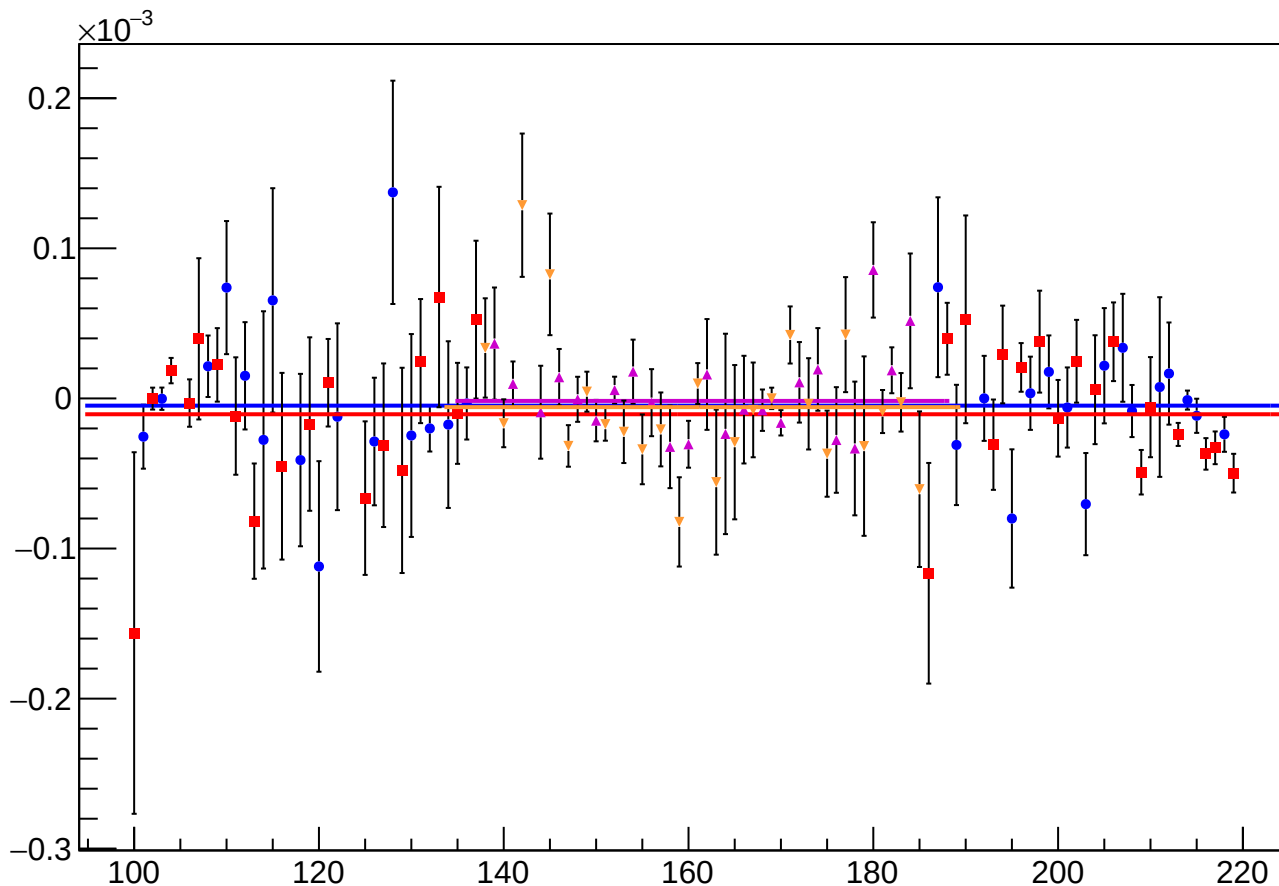
Left In: 640.392 $\pm$ 0.112 χ^2 /NDF: 2647967.4/22

+ sign 423.773 $\pm$ 0.053 χ^2 /NDF: 10253418.5/55

All: 399.622 $\pm$ 0.036 χ^2 /NDF: 23834694.9/13

- sign 379.528 $\pm$ 0.048 χ^2 /NDF: 13199187.5/57

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.2/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.6/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 77.4/34

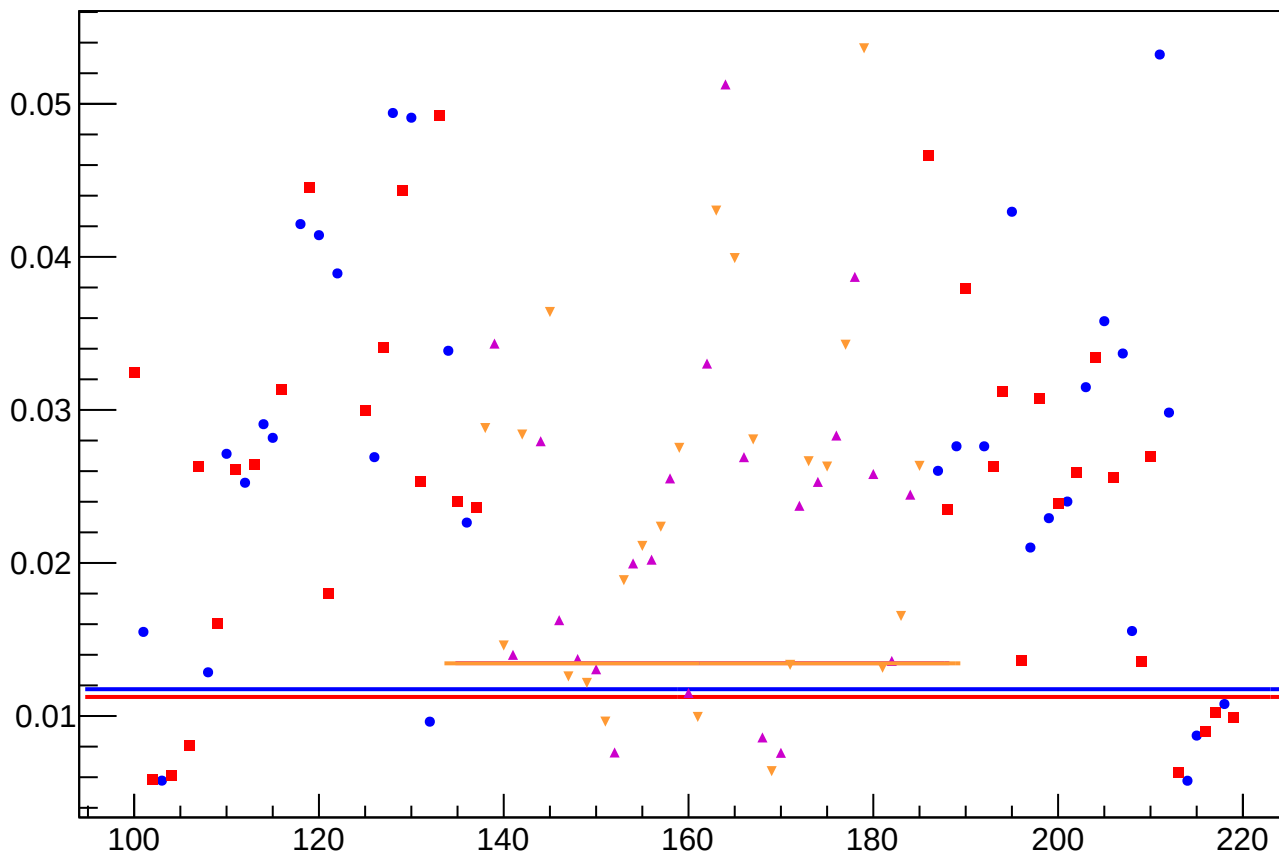
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 72.8/55

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 179.4/113

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 106.3/57

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 14369232.4/31

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:8856192.5/23

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 13129533.2/34

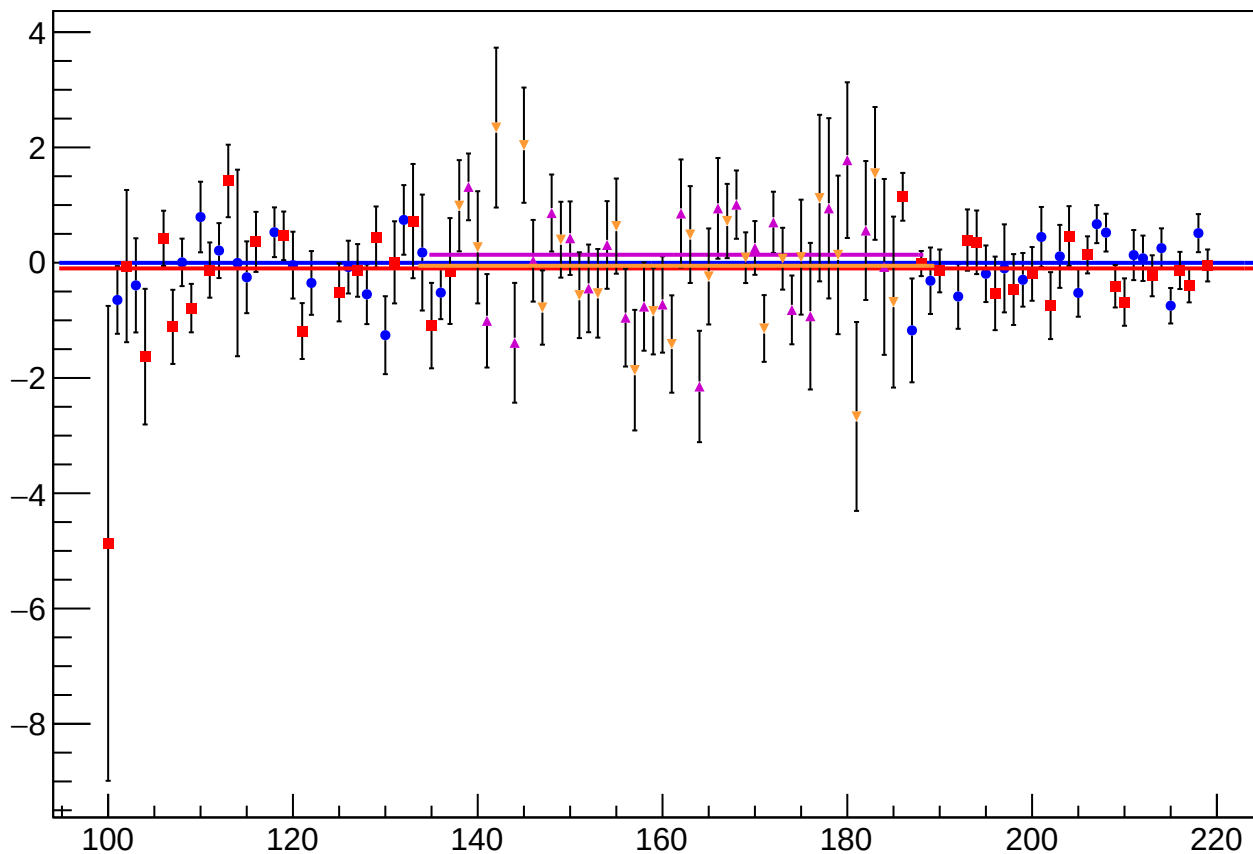
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:7548263.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 23450943.7/55

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 44569688.6/113

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 21094672.6/57

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.084 χ^2/NDF : 34.5/31

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.099 ± 0.076 χ^2/NDF : 45.4/34

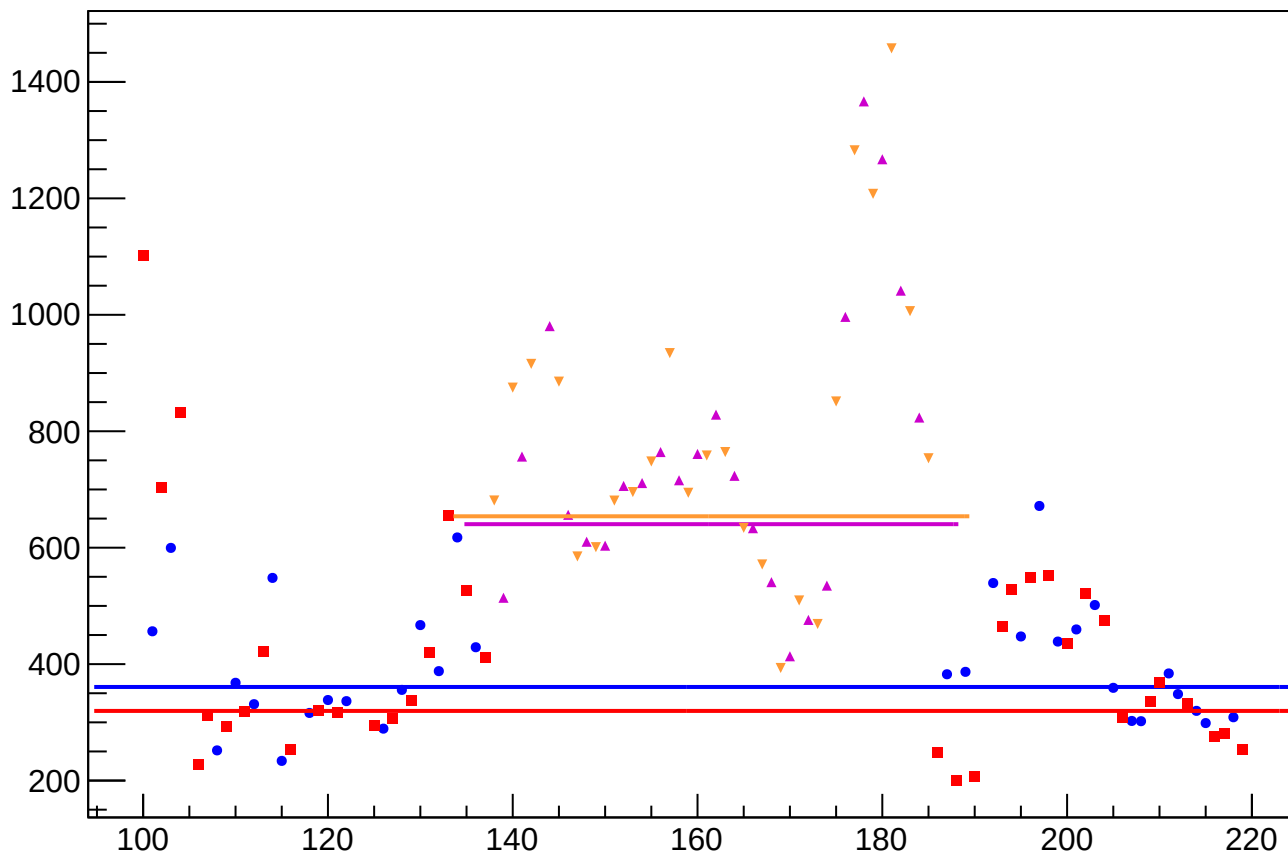
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.013 ± 0.075 χ^2/NDF : 64.7/55

All: -0.036 ± 0.050 χ^2/NDF : 142.1/113

- sign -0.055 ± 0.068 χ^2/NDF : 77.2/57

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 360.772 $\pm$ 0.060 χ^2 /NDF: 1943991.6/31

Left Out: 653.930 $\pm$ 0.114 χ^2 /NDF: 3124692.9/23

Right Out: 319.627 $\pm$ 0.053 χ^2 /NDF: 3836261.5/34

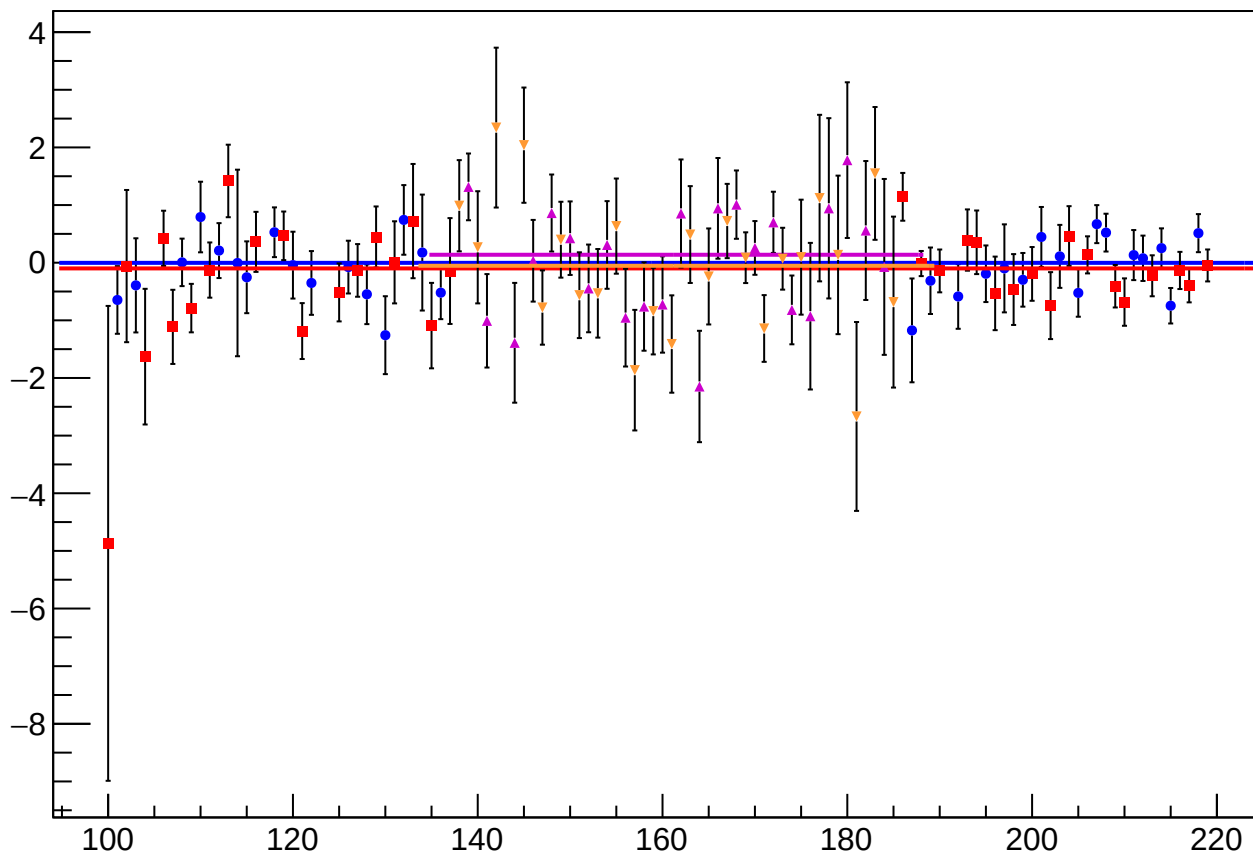
Left In: 640.395 $\pm$ 0.112 χ^2 /NDF: 2648118.2/22

+ sign 423.773 $\pm$ 0.053 χ^2 /NDF: 10253603.9/55

All: 399.620 $\pm$ 0.036 χ^2 /NDF: 23835468.4/11

- sign 379.524 $\pm$ 0.048 χ^2 /NDF: 13199711.6/57

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.084 χ^2/NDF : 34.5/31

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.099 ± 0.076 χ^2/NDF : 45.4/34

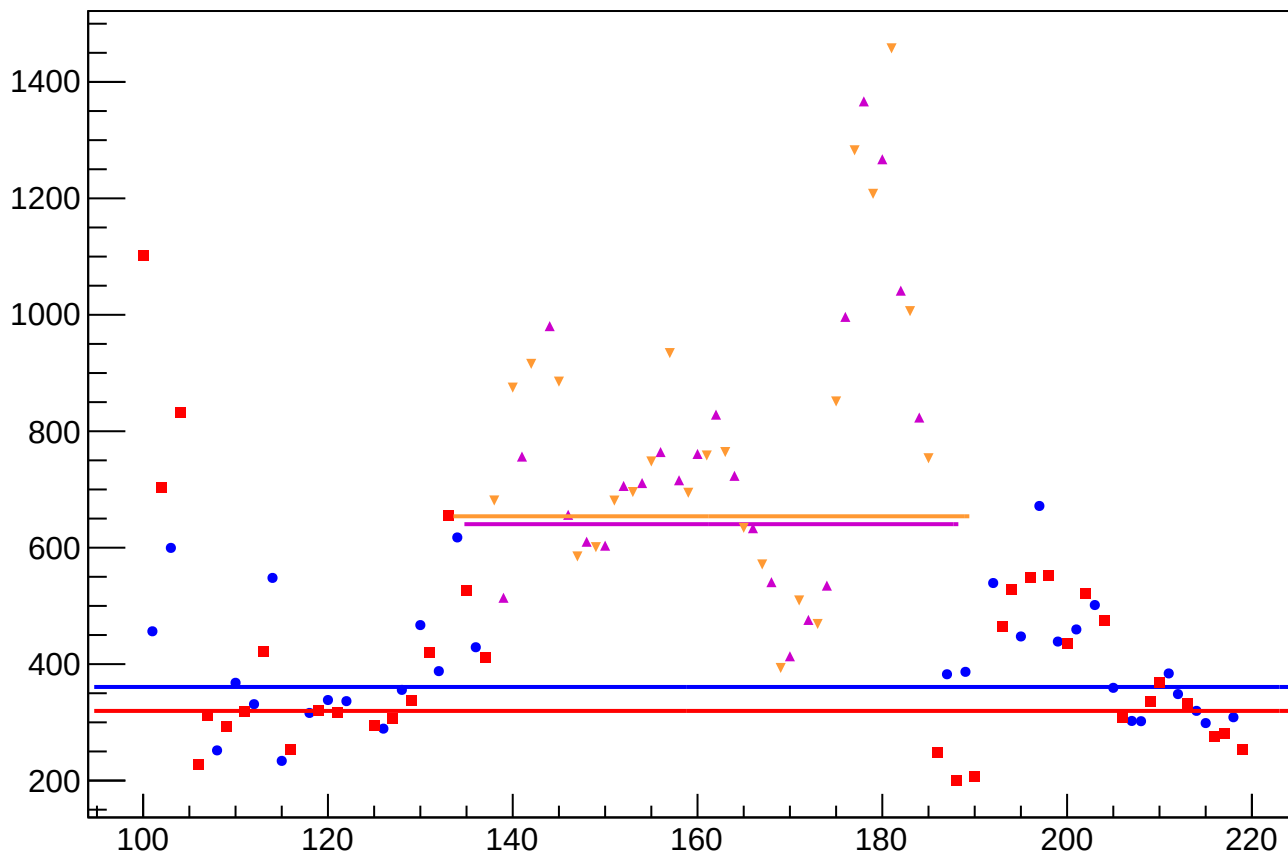
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.013 ± 0.075 χ^2/NDF : 64.7/55

All: -0.036 ± 0.050 χ^2/NDF : 142.1/113

- sign -0.055 ± 0.068 χ^2/NDF : 77.2/57

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 360.772 $\pm$ 0.060 χ^2 /NDF: 1943991.6/31

Left Out: 653.930 $\pm$ 0.114 χ^2 /NDF: 3124692.9/23

Right Out: 319.627 $\pm$ 0.053 χ^2 /NDF: 3836261.5/34

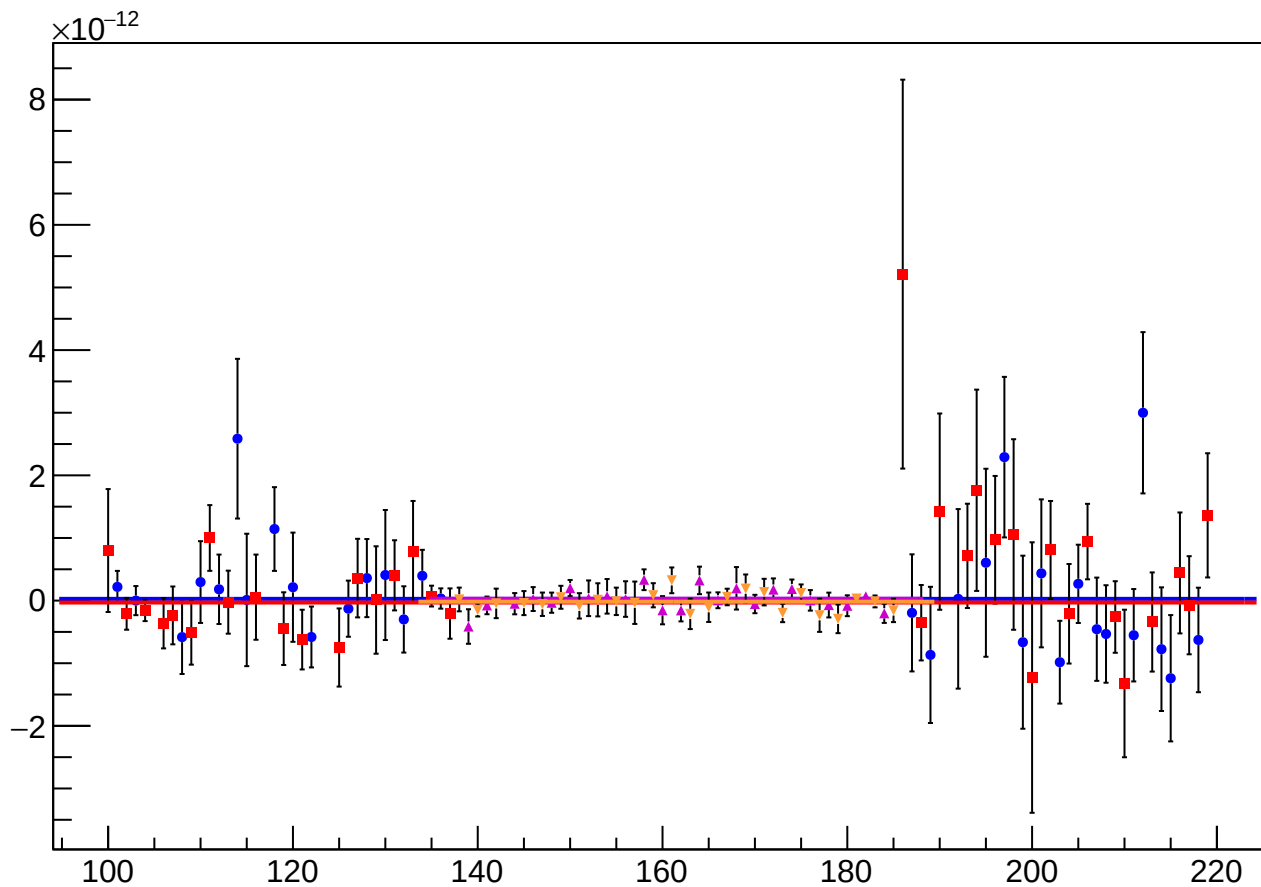
Left In: 640.395 $\pm$ 0.112 χ^2 /NDF: 2648118.2/22

+ sign 423.773 $\pm$ 0.053 χ^2 /NDF: 10253603.9/55

All: 399.620 $\pm$ 0.036 χ^2 /NDF: 23835468.4/11

- sign 379.524 $\pm$ 0.048 χ^2 /NDF: 13199711.6/57

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.6/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:13.1/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.8/34

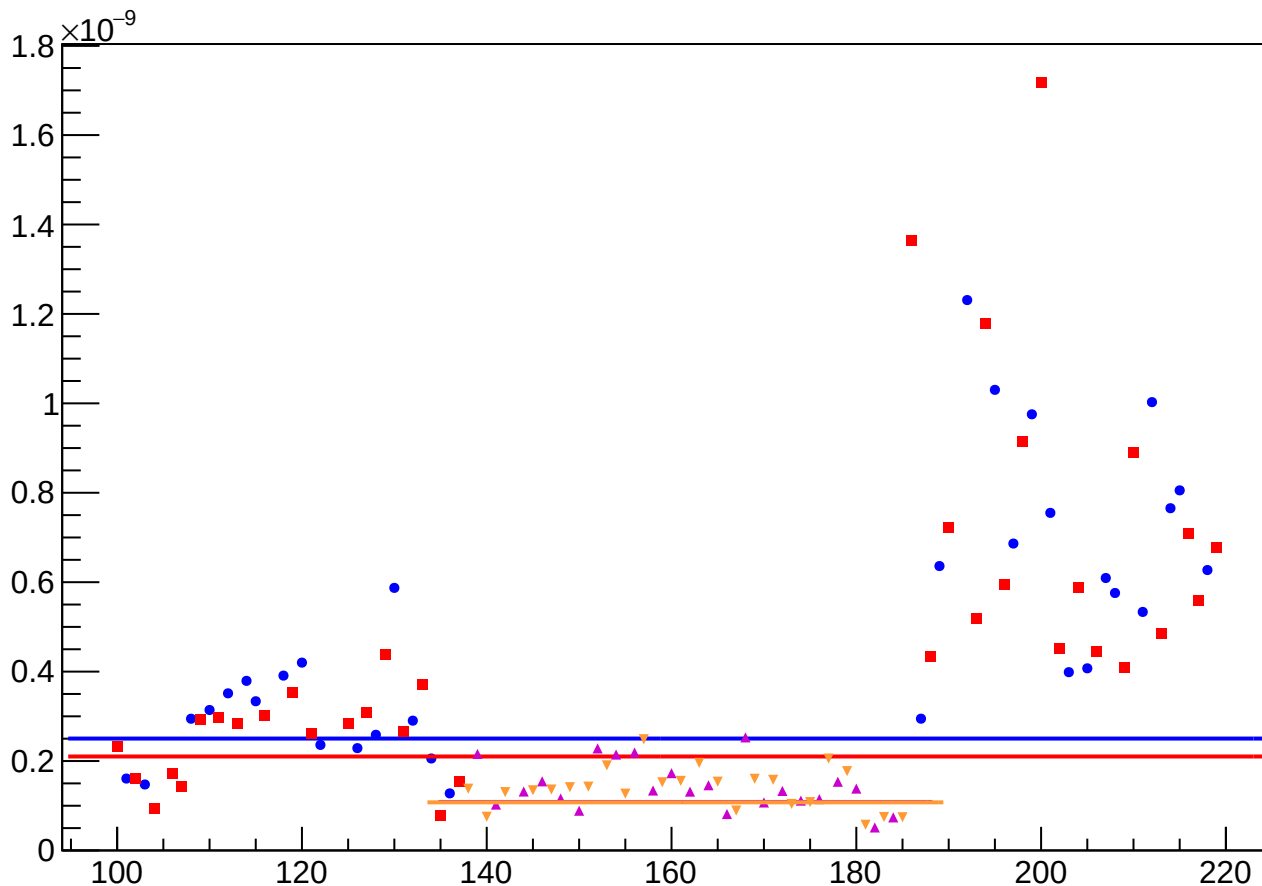
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:17.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 41.9/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 89.5/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 47.1/57

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8703989.1/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9947758.0/34

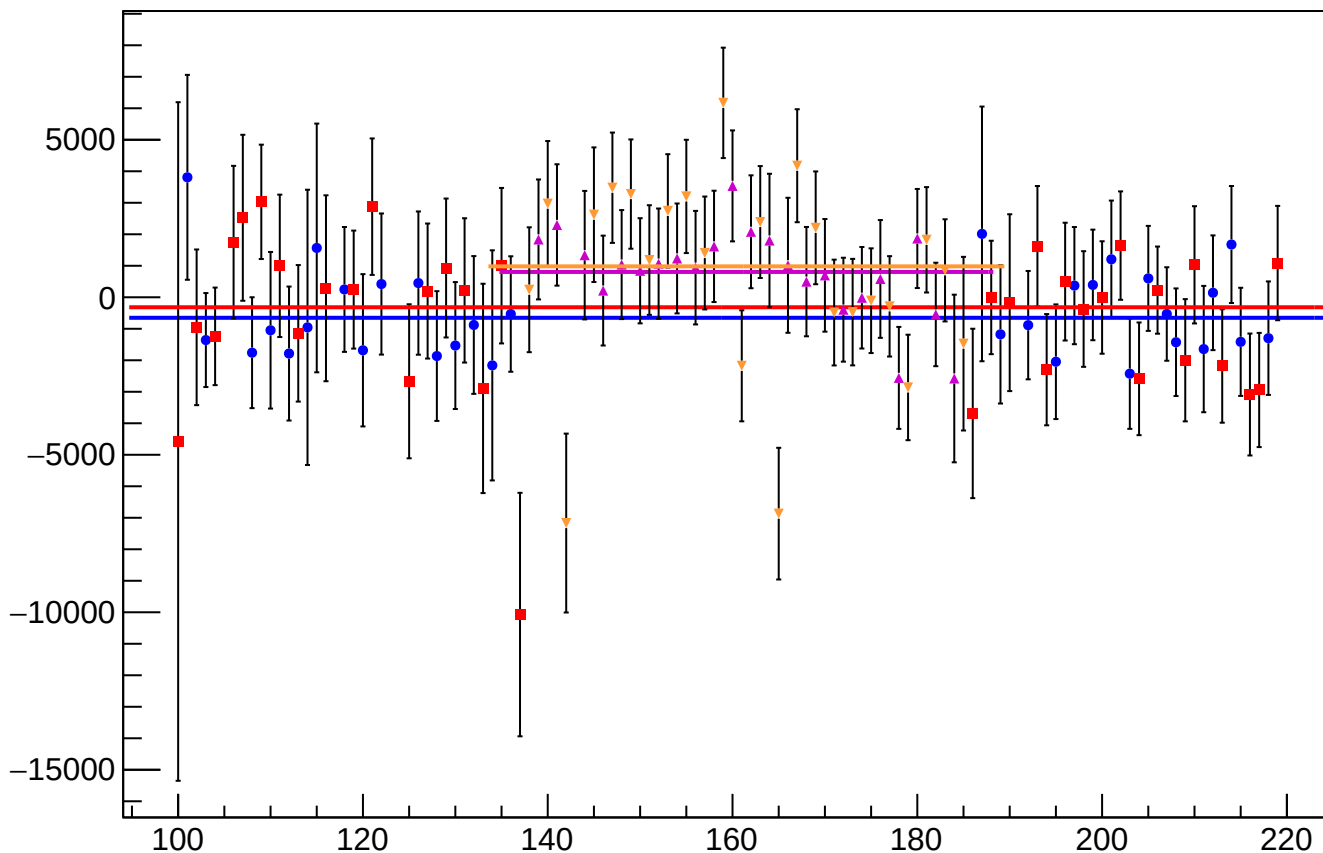
Left In: 0.000+/-0.000 χ^2/NDF : 3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 16672372.4/55

All: 0.000+/-0.000 χ^2/NDF : 33286886.6/113

- sign 0.000+/-0.000 χ^2/NDF : 16612535.0/57

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -651.308 ± 352.920 χ^2/NDF : 11.6/31

Left Out: 981.627 ± 370.843 χ^2/NDF : 55.5/23

Right Out: -317.276 ± 346.939 χ^2/NDF : 31.5/34

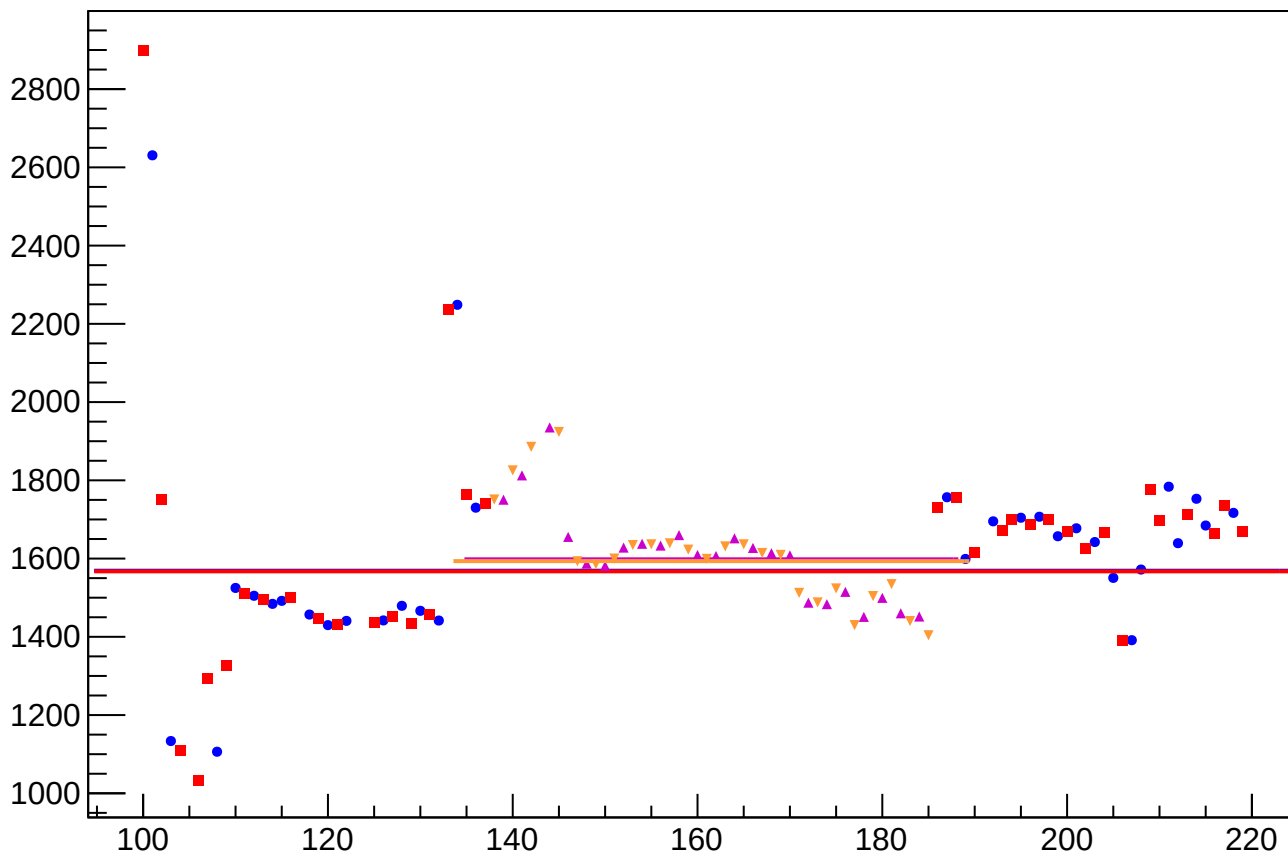
Left In: 803.908 ± 374.066 χ^2/NDF : 12.4/22

+ sign 124.747 ± 255.654 χ^2/NDF : 77.3/55

All: 163.162 ± 180.320 χ^2/NDF : 126.2/113

- sign 201.193 ± 254.373 χ^2/NDF : 48.8/57

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1568.918 $\pm$ 0.250 χ^2 /NDF: 801775.2/31

Left Out: 1593.482 $\pm$ 0.262 χ^2 /NDF: 187613.7/23

Right Out: 1567.373 $\pm$ 0.245 χ^2 /NDF: 729359.7/34

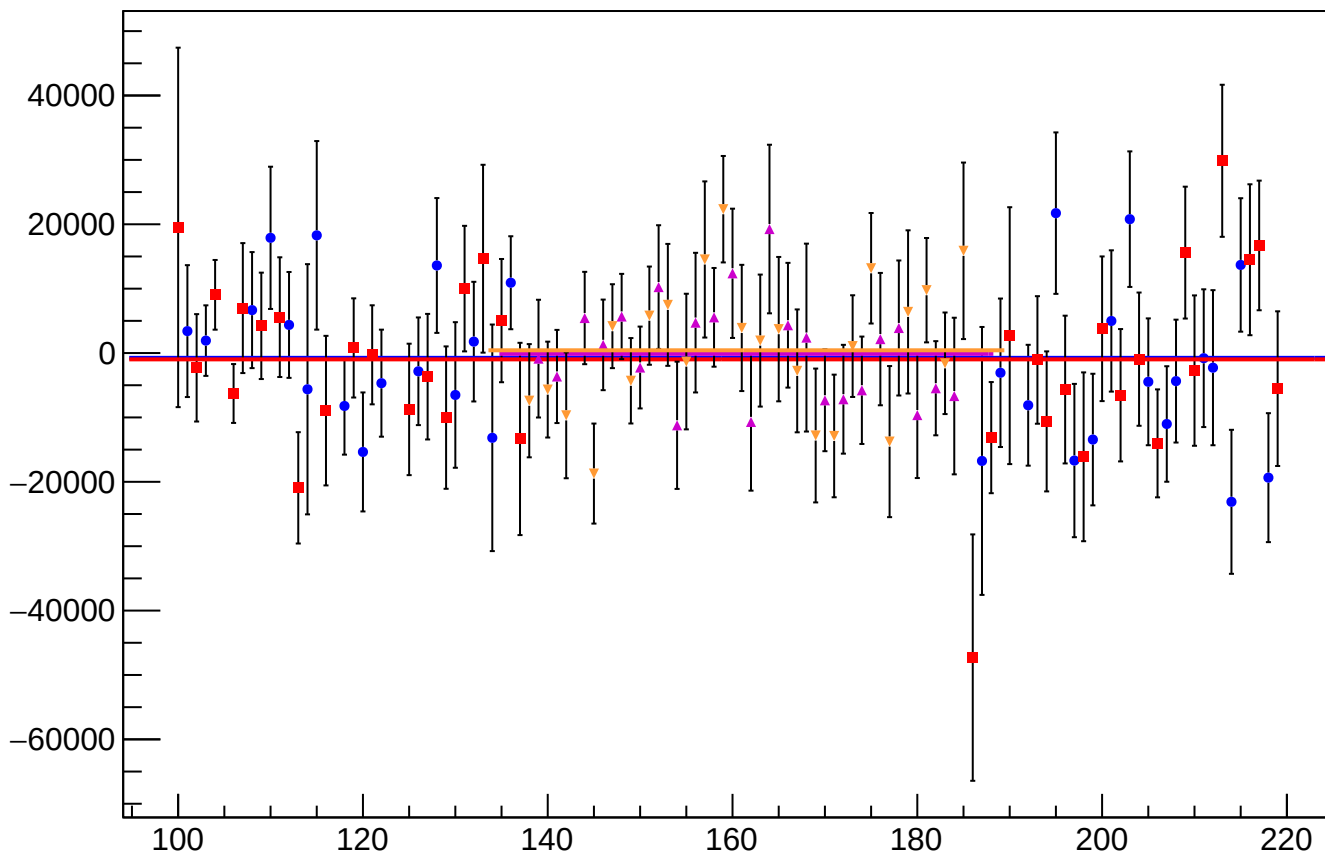
Left In: 1598.119 $\pm$ 0.265 χ^2 /NDF: 169157.7/22

+ sign 1580.592 $\pm$ 0.181 χ^2 /NDF: 993993.7/55

All: 1581.072 $\pm$ 0.127 χ^2 /NDF: 1899808.5/11

- sign 1581.545 $\pm$ 0.180 χ^2 /NDF: 905800.9/57

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug



Right In: -744.444 ± 1734.140 χ^2/NDF : 38.4/31

Left Out: 426.701 ± 1819.878 χ^2/NDF : 29.4/23

Right Out: -981.711 ± 1607.609 χ^2/NDF : 45.0/34

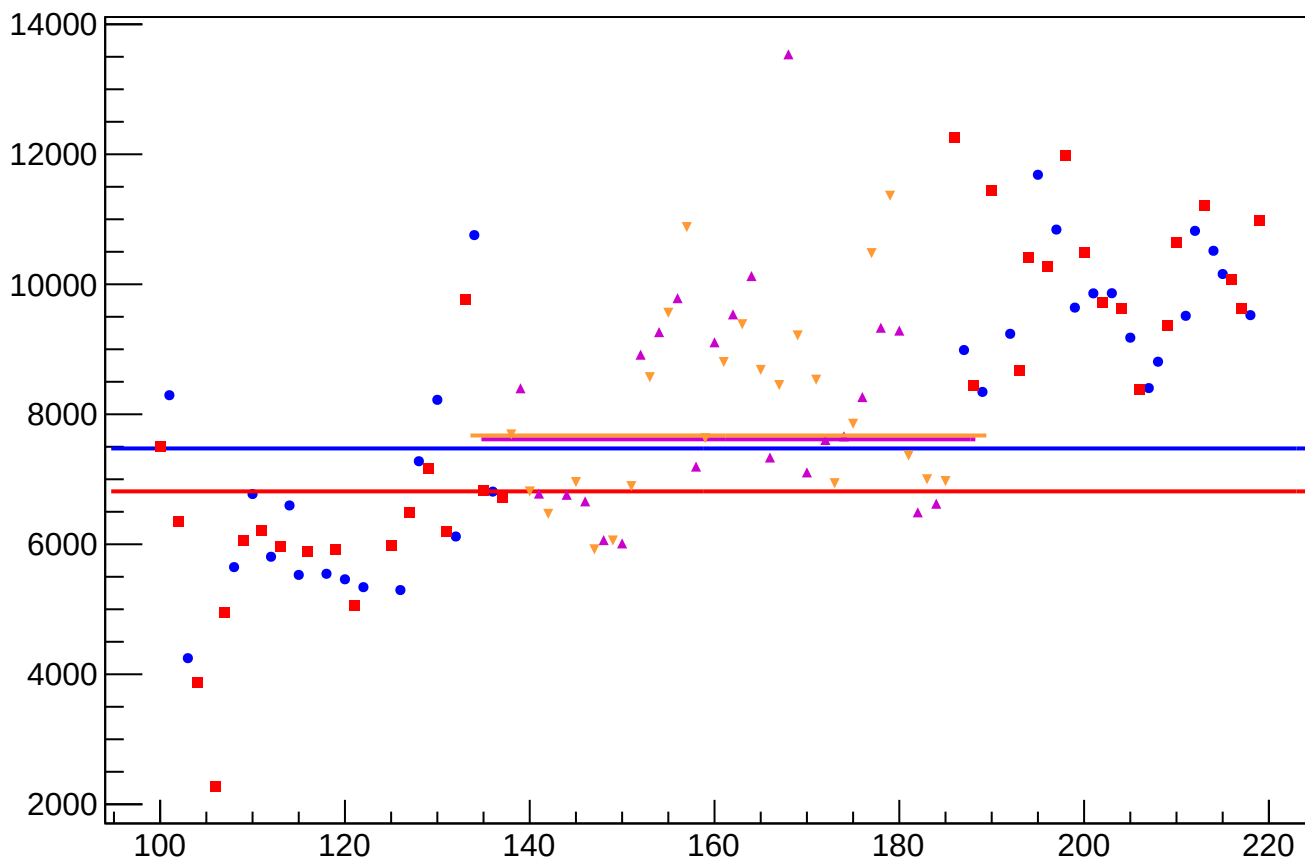
Left In: -126.369 ± 1814.830 χ^2/NDF : 13.9/22

+ sign -187.108 ± 1255.439 χ^2/NDF : 68.0/55

All: -405.232 ± 868.737 χ^2/NDF : 127.1/113

- sign -605.640 ± 1203.375 χ^2/NDF : 59.0/57

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 7474.460 $\pm$ 1.226 χ^2/NDF : 3028347.8/31

Left Out: 7674.060 $\pm$ 1.287 χ^2/NDF : 1076713.7/23

Right Out: 6813.983 $\pm$ 1.137 χ^2/NDF : 5818082.2/34

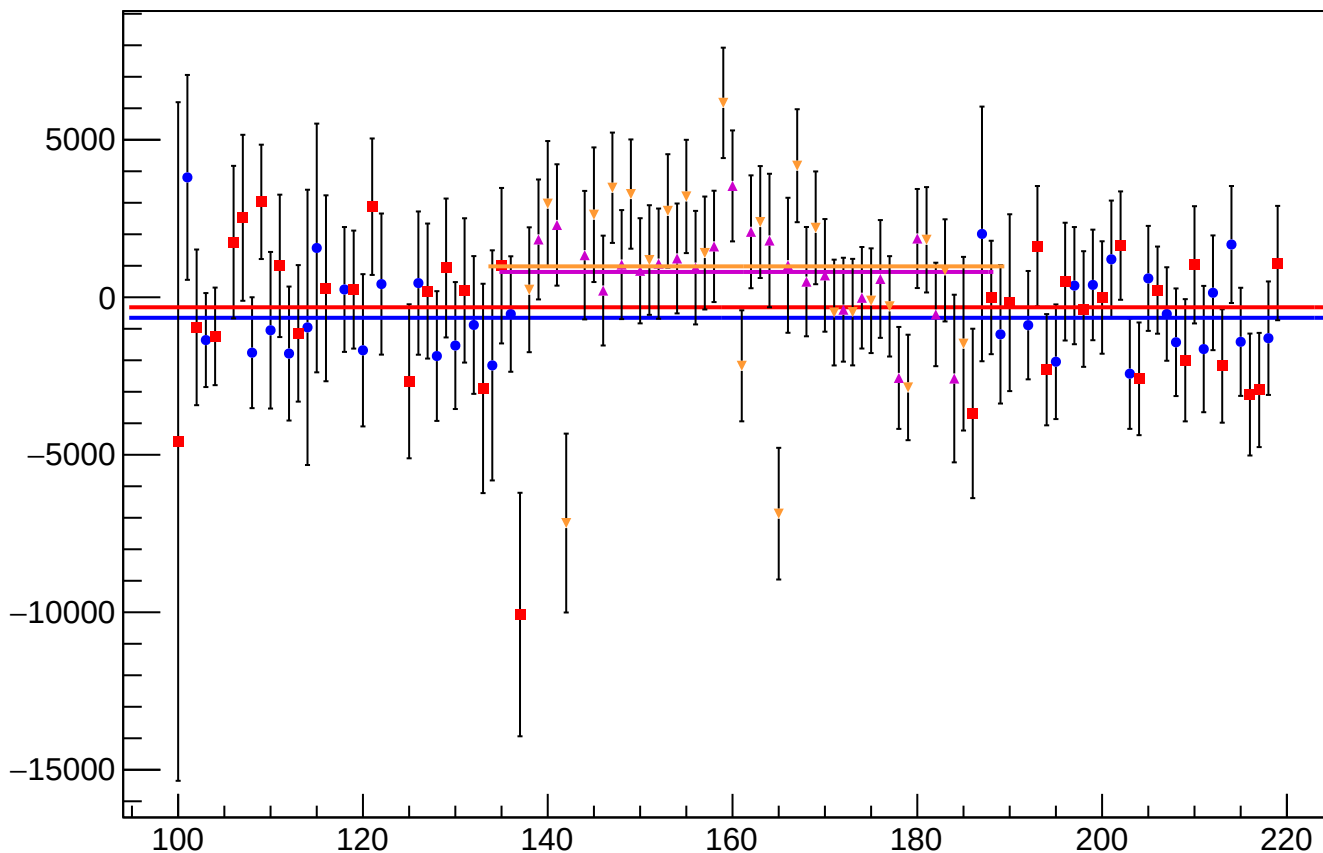
Left In: 7614.974 $\pm$ 1.283 χ^2/NDF : 1224520.2/22

+ sign 7569.448 $\pm$ 0.888 χ^2/NDF : 4117670.7/55

All: 7359.267 $\pm$ 0.614 χ^2/NDF : 11486133.5/100

- sign 7166.157 $\pm$ 0.851 χ^2/NDF : 7260902.9/57

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -651.353 ± 352.920 χ^2/NDF : 11.6/31

Left Out: 981.712 ± 370.843 χ^2/NDF : 55.6/23

Right Out: -317.295 ± 346.939 χ^2/NDF : 31.5/34

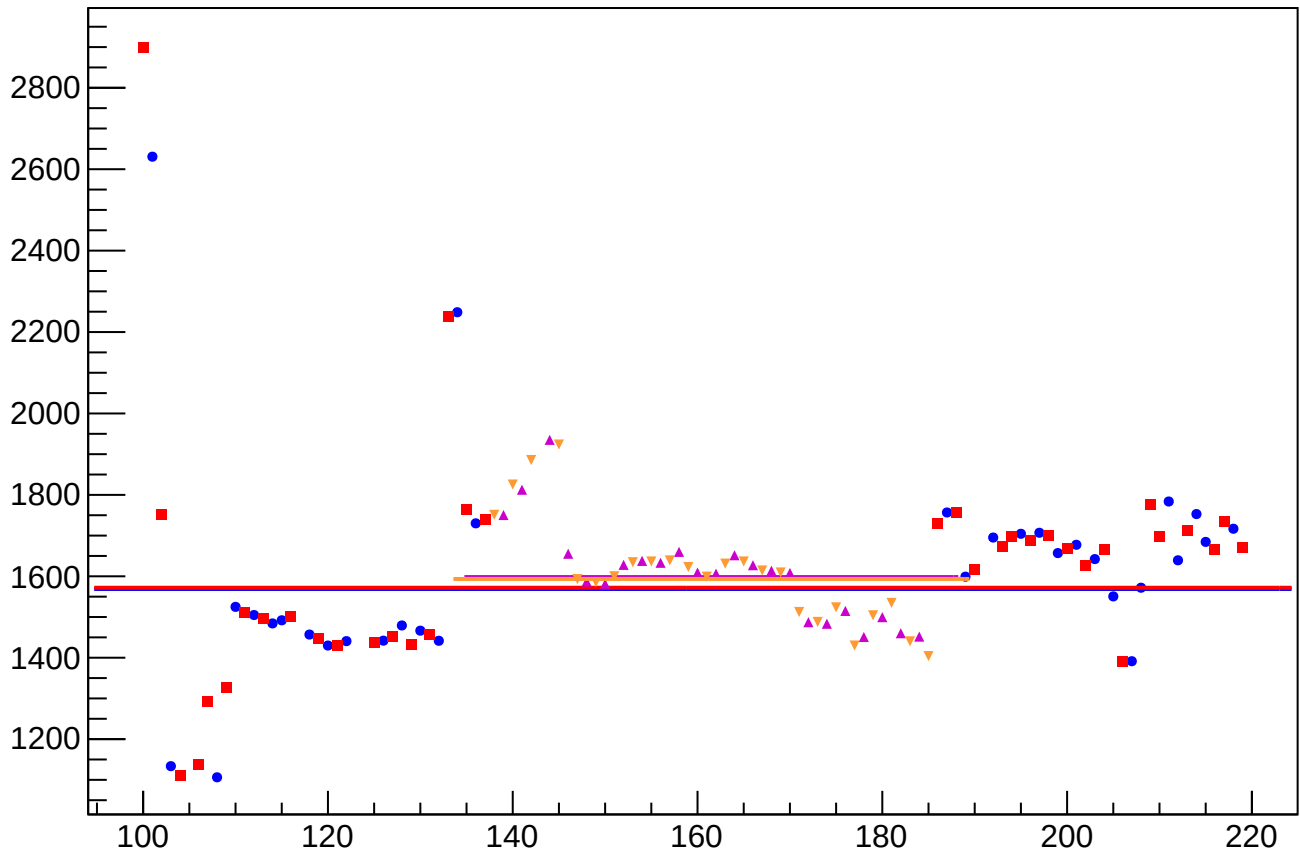
Left In: 803.783 ± 374.066 χ^2/NDF : 12.4/22

+ sign 124.764 ± 255.654 χ^2/NDF : 77.3/55

All: 163.136 ± 180.320 χ^2/NDF : 126.2/113

- sign 201.125 ± 254.373 χ^2/NDF : 48.8/57

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1568.918 $\pm$ 0.250 χ^2 /NDF: 801775.6/31

Left Out: 1593.482 $\pm$ 0.262 χ^2 /NDF: 187613.7/23

Right Out: 1571.897 $\pm$ 0.245 χ^2 /NDF: 672235.7/34

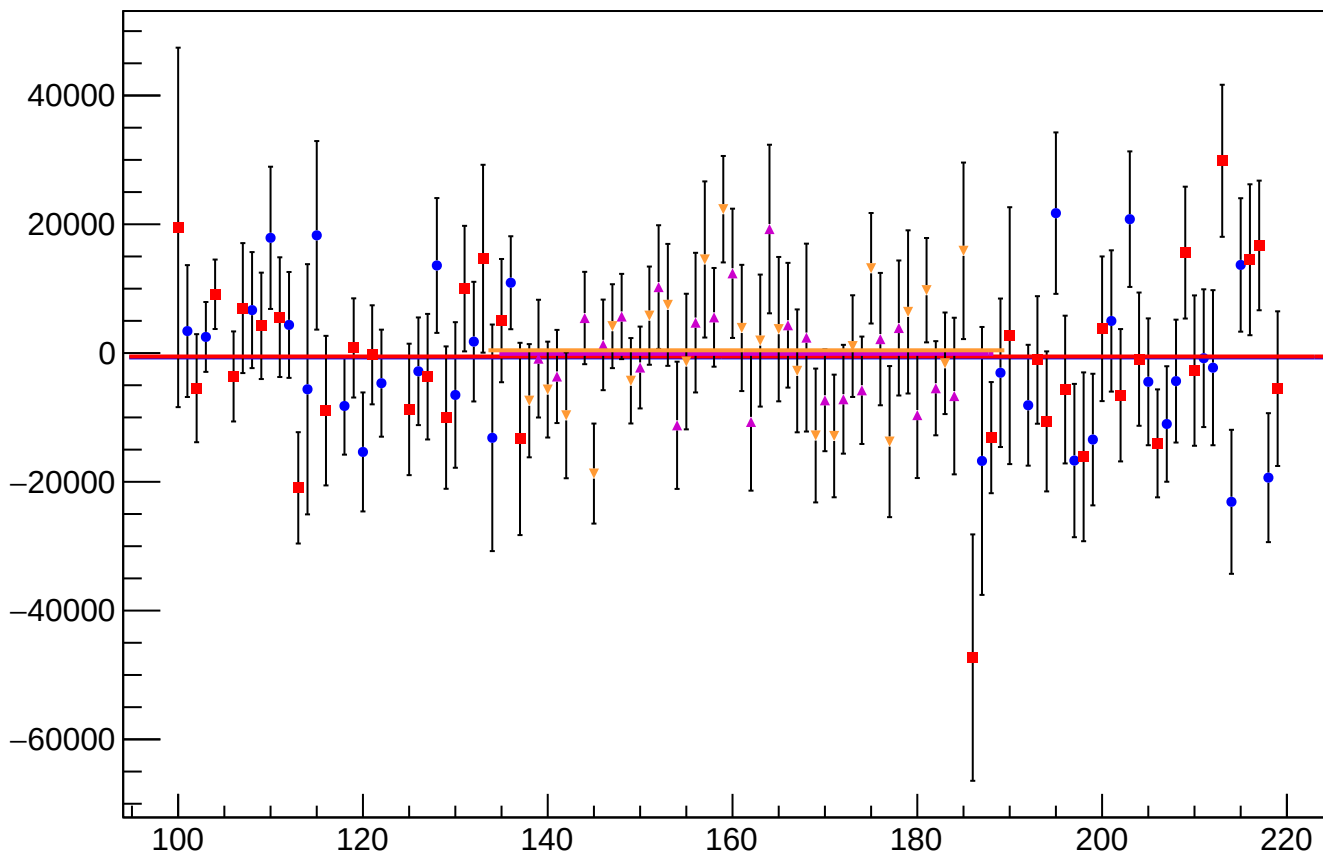
Left In: 1598.119 $\pm$ 0.265 χ^2 /NDF: 169157.7/22

+ sign 1580.592 $\pm$ 0.181 χ^2 /NDF: 993994.1/55

All: 1582.311 $\pm$ 0.127 χ^2 /NDF: 1840855.0/11

- sign 1584.011 $\pm$ 0.180 χ^2 /NDF: 846681.1/57

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug



Right In: -680.867 ± 1732.454 χ^2/NDF : 38.5/31

Left Out: 426.702 ± 1819.879 χ^2/NDF : 29.4/23

Right Out: -536.536 ± 1667.621 χ^2/NDF : 44.1/34

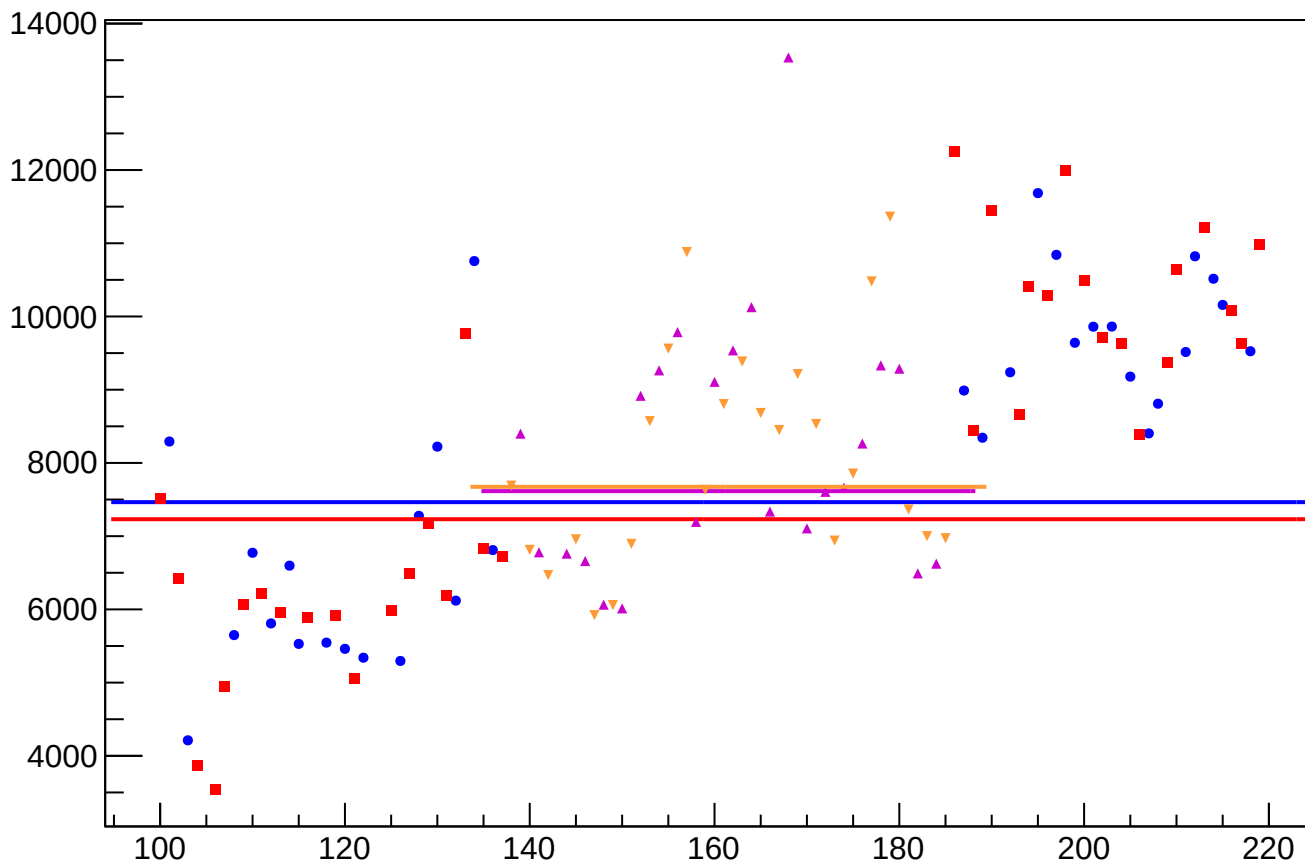
Left In: -126.376 ± 1814.828 χ^2/NDF : 13.9/22

+ sign -154.324 ± 1254.799 χ^2/NDF : 68.1/55

All: -253.647 ± 877.625 χ^2/NDF : 126.1/113

- sign -348.763 ± 1227.935 χ^2/NDF : 58.0/57

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 7464.539+/-1.225 χ^2/NDF : 3057461.8/31

Left Out: 7674.063+/-1.287 χ^2/NDF : 1076712.6/23

Right Out: 7231.800+/-1.179 χ^2/NDF : 4163795.0/34

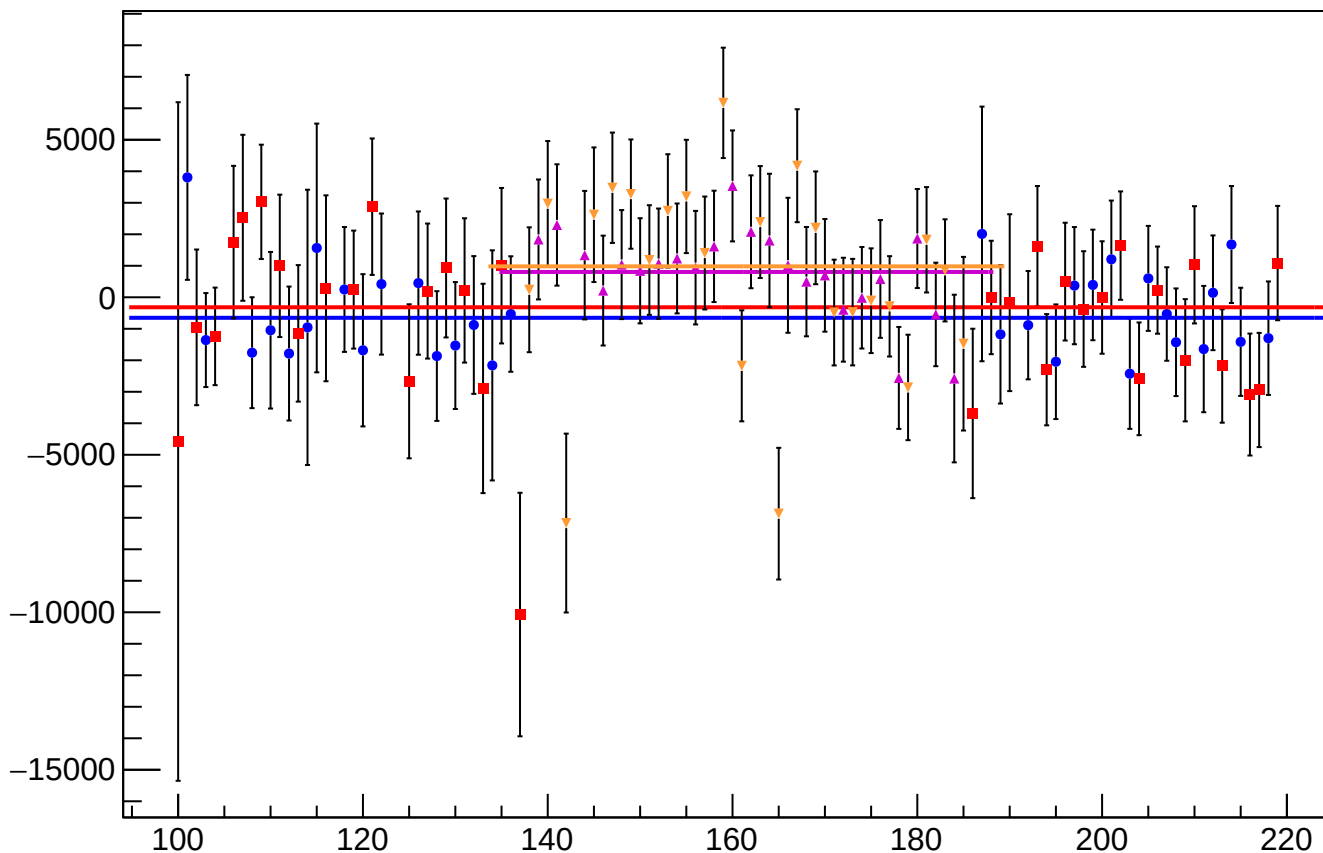
Left In: 7614.964+/-1.283 χ^2/NDF : 1224525.6/22

+ sign 7564.147+/-0.887 χ^2/NDF : 4148081.4/55

All: 7483.983+/-0.621 χ^2/NDF : 9600719.7/11

- sign 7407.214+/-0.868 χ^2/NDF : 5436658.2/57

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -651.353 ± 352.920 χ^2/NDF : 11.6/31

Left Out: 981.712 ± 370.843 χ^2/NDF : 55.6/23

Right Out: -317.295 ± 346.939 χ^2/NDF : 31.5/34

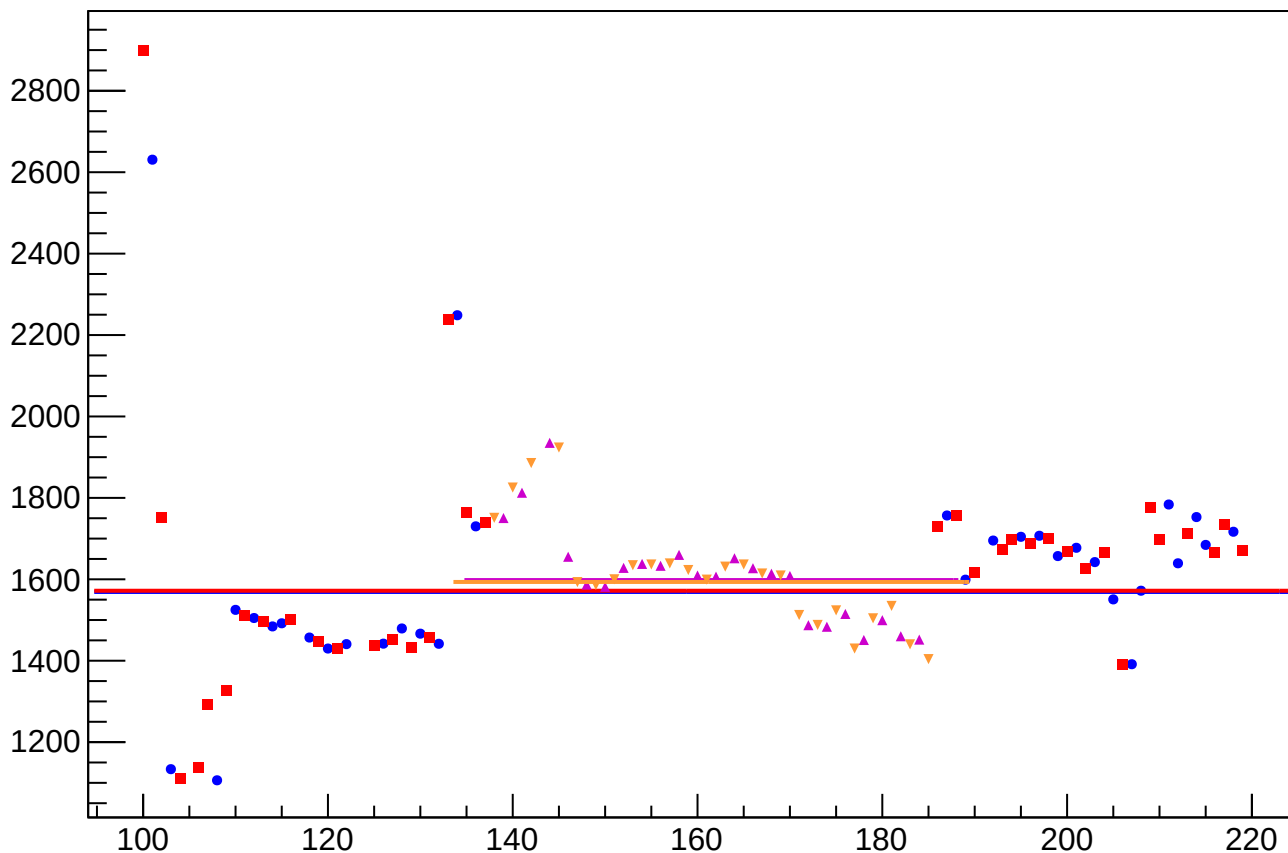
Left In: 803.783 ± 374.066 χ^2/NDF : 12.4/22

+ sign 124.764 ± 255.654 χ^2/NDF : 77.3/55

All: 163.136 ± 180.320 χ^2/NDF : 126.2/113

- sign 201.125 ± 254.373 χ^2/NDF : 48.8/57

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1568.918 $\pm$ 0.250 χ^2 /NDF: 801775.6/31

Left Out: 1593.482 $\pm$ 0.262 χ^2 /NDF: 187613.7/23

Right Out: 1571.897 $\pm$ 0.245 χ^2 /NDF: 672235.7/34

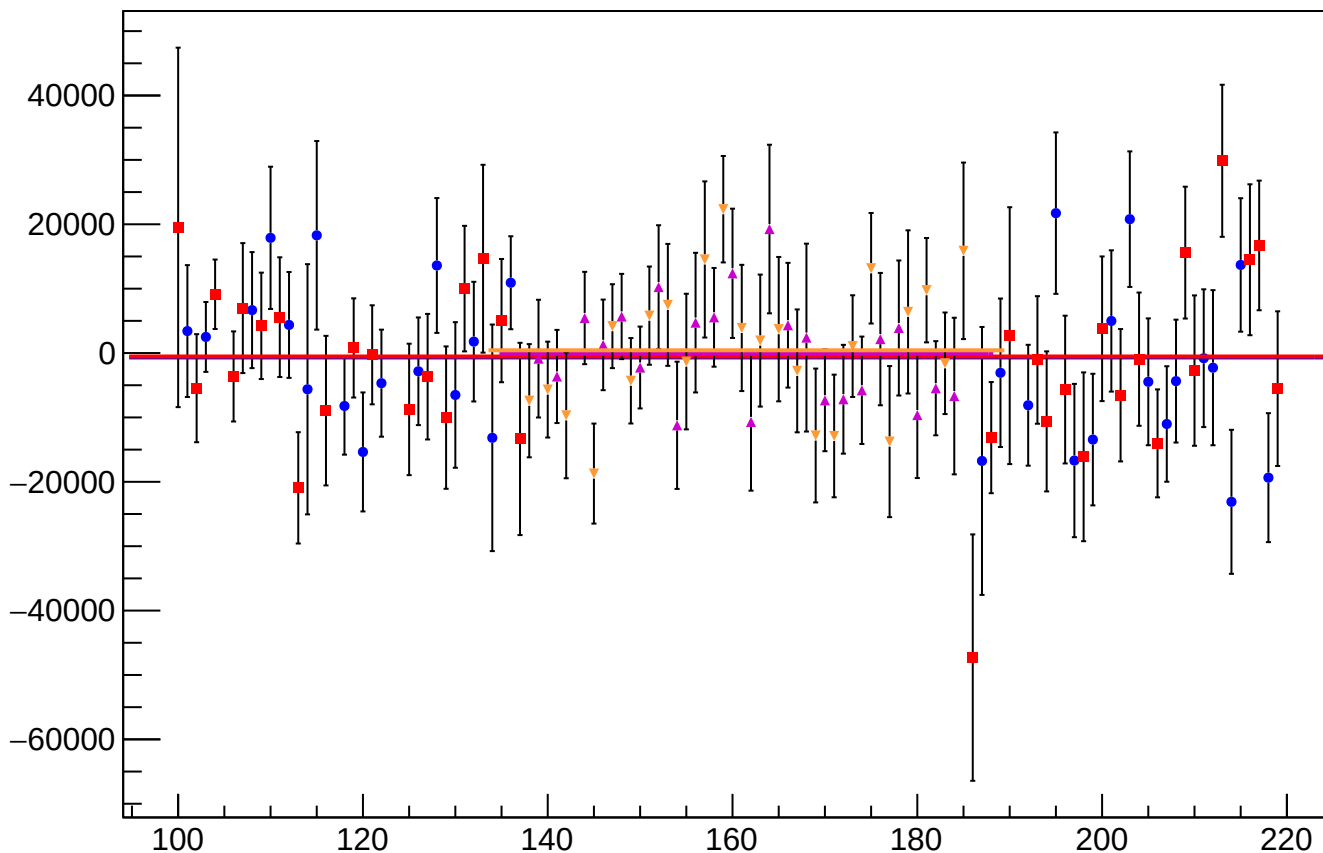
Left In: 1598.119 $\pm$ 0.265 χ^2 /NDF: 169157.7/22

+ sign 1580.592 $\pm$ 0.181 χ^2 /NDF: 993994.1/55

All: 1582.311 $\pm$ 0.127 χ^2 /NDF: 1840855.0/11

- sign 1584.011 $\pm$ 0.180 χ^2 /NDF: 846681.1/57

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: -680.867 ± 1732.454 χ^2/NDF : 38.5/31

Left Out: 426.702 ± 1819.879 χ^2/NDF : 29.4/23

Right Out: -536.536 ± 1667.621 χ^2/NDF : 44.1/34

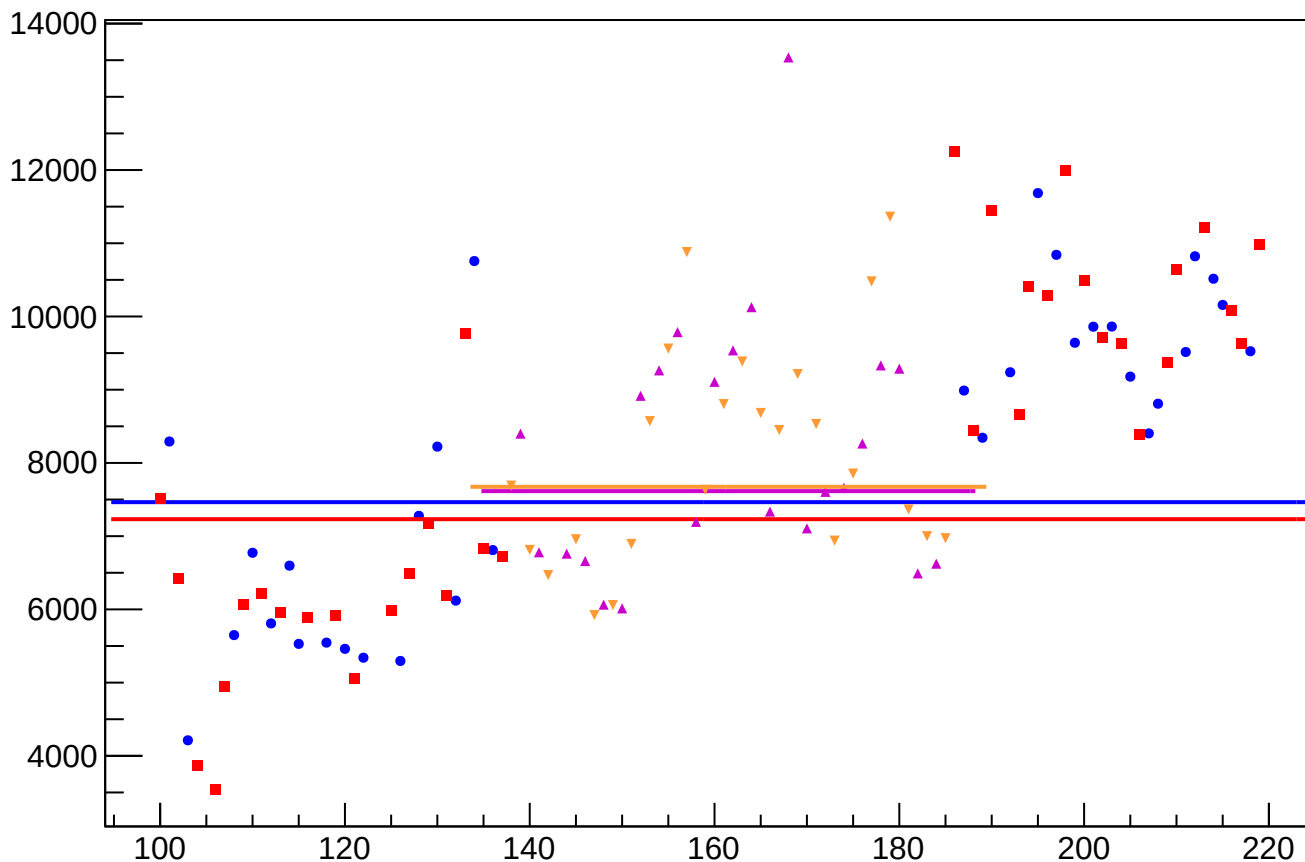
Left In: -126.376 ± 1814.828 χ^2/NDF : 13.9/22

+ sign -154.324 ± 1254.799 χ^2/NDF : 68.1/55

All: -253.647 ± 877.625 χ^2/NDF : 126.1/113

- sign -348.763 ± 1227.935 χ^2/NDF : 58.0/57

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 7464.539+/-1.225 χ^2/NDF : 3057461.8/31

Left Out: 7674.063+/-1.287 χ^2/NDF : 1076712.6/23

Right Out: 7231.800+/-1.179 χ^2/NDF : 4163795.0/34

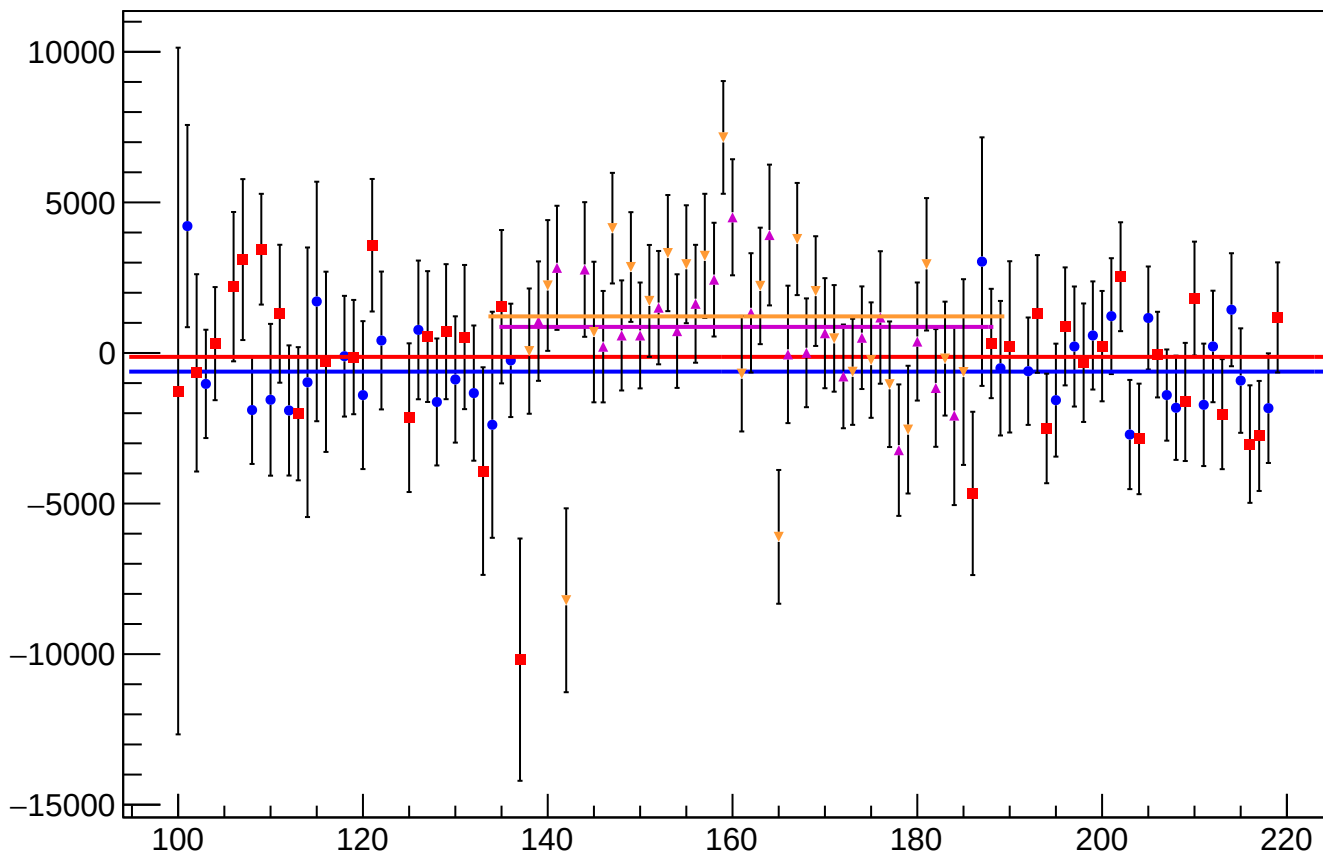
Left In: 7614.964+/-1.283 χ^2/NDF : 1224525.6/22

+ sign 7564.147+/-0.887 χ^2/NDF : 4148081.4/55

All: 7483.983+/-0.621 χ^2/NDF : 9600719.7/11

- sign 7407.214+/-0.868 χ^2/NDF : 5436658.2/57

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -618.838 $\pm$ 363.924 χ^2/NDF : 12.7/31

Left Out: 1215.353 $\pm$ 409.584 χ^2/NDF : 48.5/23

Right Out: -129.301 $\pm$ 358.850 χ^2/NDF : 36.3/34

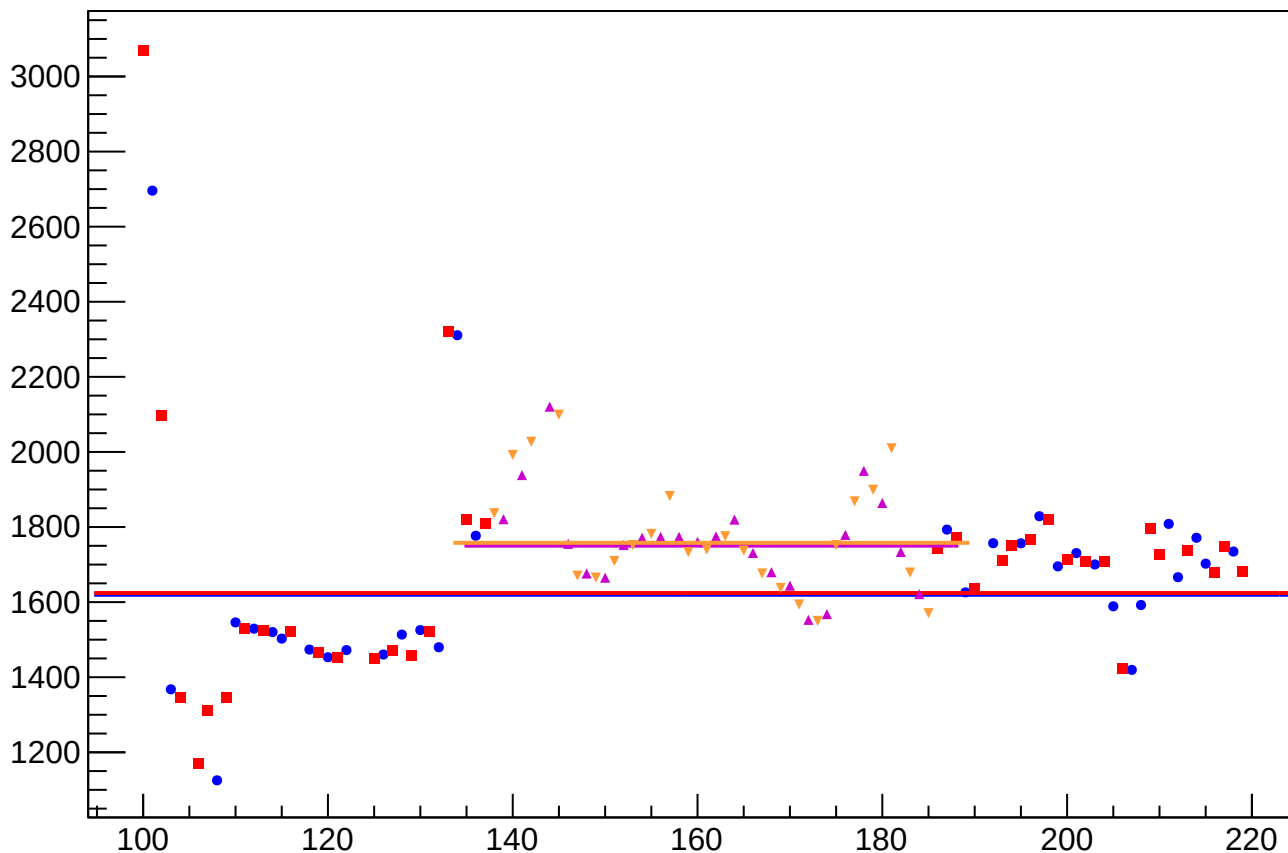
Left In: 866.022 $\pm$ 410.038 χ^2/NDF : 15.1/22

+ sign 190.361 $\pm$ 272.050 χ^2/NDF : 72.4/55

All: 246.790 $\pm$ 191.654 χ^2/NDF : 127.3/113

- sign 302.390 $\pm$ 270.040 χ^2/NDF : 54.8/57

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1619.683+/-0.257 χ^2/NDF : 683823.9/31

Left Out: 1757.965+/-0.290 χ^2/NDF : 213284.1/23

Right Out: 1624.242+/-0.254 χ^2/NDF : 583057.8/34

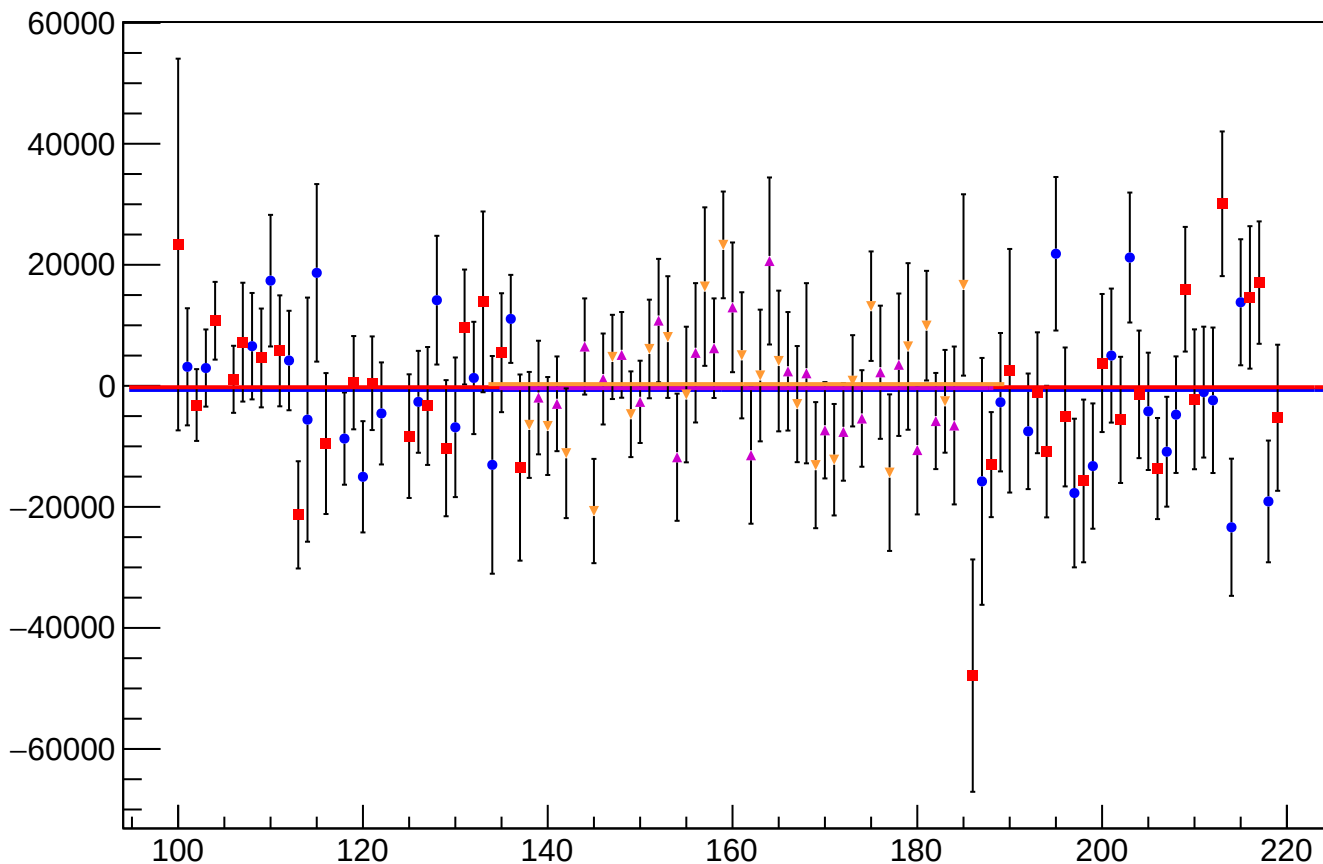
Left In: 1750.477+/-0.290 χ^2/NDF : 171889.4/22

+ sign 1680.690+/-0.192 χ^2/NDF : 1024501.5/55

All: 1679.831+/-0.136 χ^2/NDF : 1886841.9/11

- sign 1678.985+/-0.191 χ^2/NDF : 862300.8/57

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug



Right In: -677.612 ± 1762.956 χ^2/NDF : 38.2/31

Left Out: 284.925 ± 1920.134 χ^2/NDF : 28.7/23

Right Out: -230.151 ± 1636.204 χ^2/NDF : 43.5/34

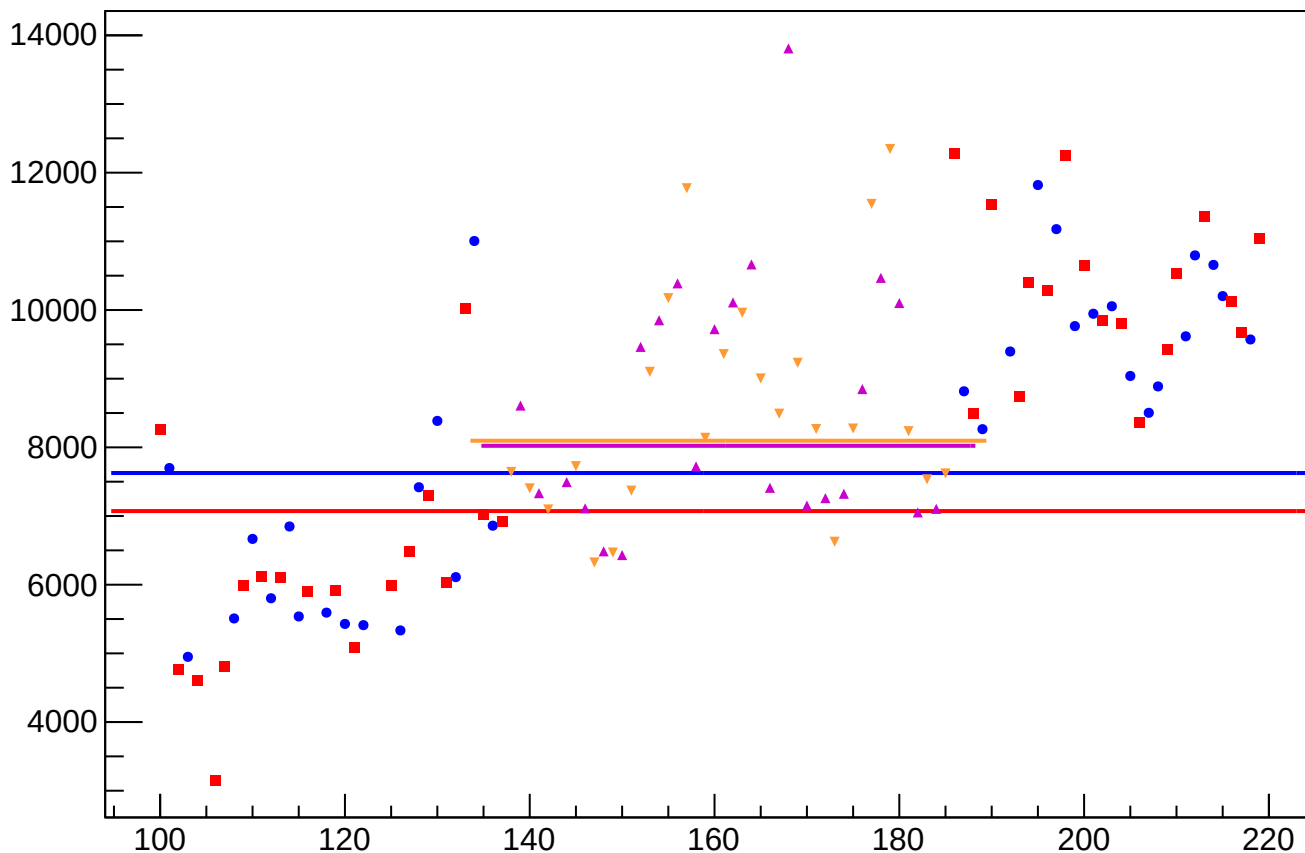
Left In: -382.660 ± 1912.385 χ^2/NDF : 13.6/22

+ sign -237.346 ± 1298.615 χ^2/NDF : 67.0/55

All: -267.223 ± 898.048 χ^2/NDF : 124.1/113

- sign -294.607 ± 1243.256 χ^2/NDF : 57.1/57

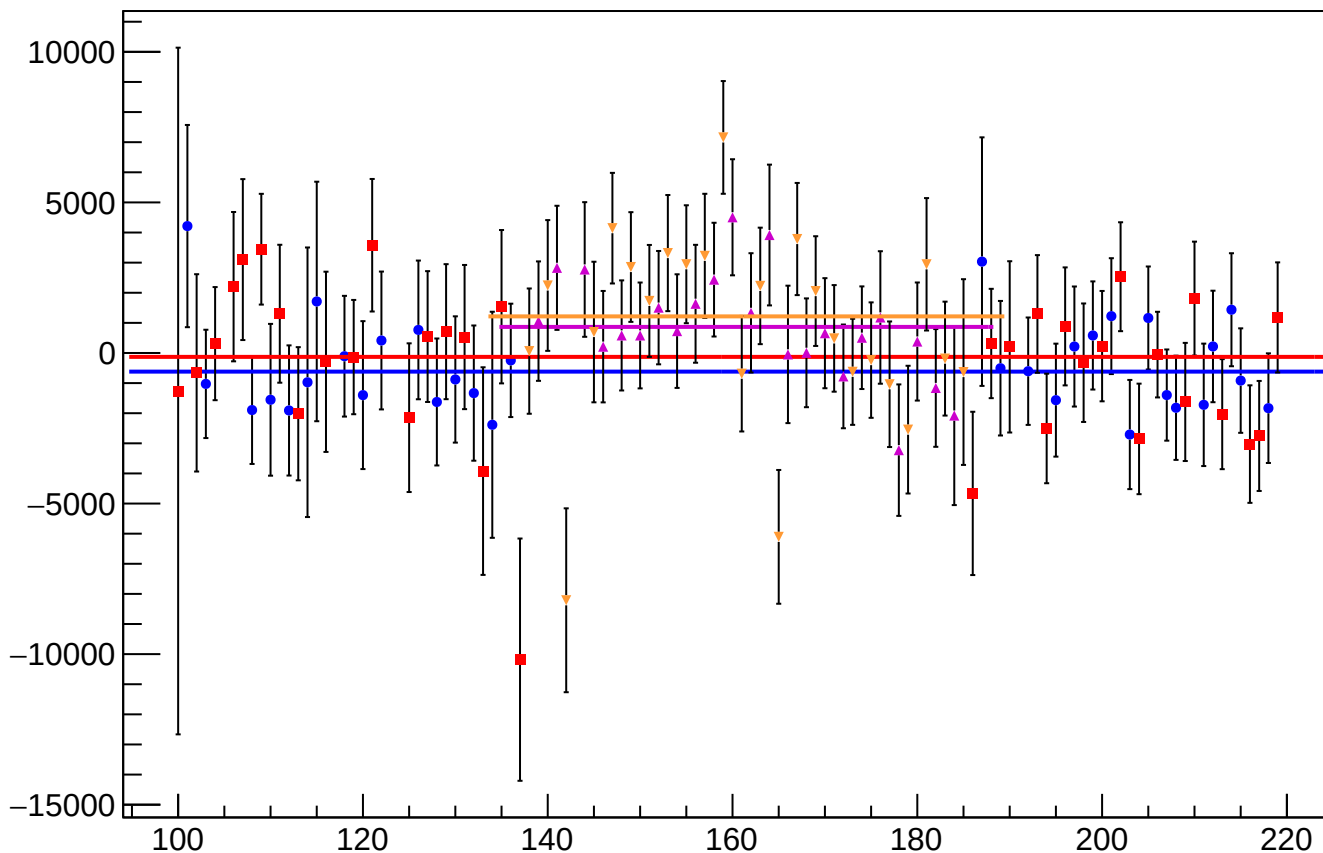
asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 7626.387 $\pm$ 1.247 χ^2/NDF : 2710427.6/31
 Left Out: 8096.821 $\pm$ 1.358 χ^2/NDF : 1087790.8/23
 Right Out: 7072.185 $\pm$ 1.157 χ^2/NDF : 4658527.2/34
 Left In: 8022.726 $\pm$ 1.352 χ^2/NDF : 1225549.2/22

+ sign 7841.565 $\pm$ 0.918 χ^2/NDF : 3863357.5/55
 All: 7649.740 $\pm$ 0.635 χ^2/NDF : 10116348.9/101
 - sign 7473.922 $\pm$ 0.879 χ^2/NDF : 6169354.2/57

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -618.833 ± 363.924 χ^2/NDF : 12.7/31

Left Out: 1215.361 ± 409.585 χ^2/NDF : 48.5/23

Right Out: -129.302 ± 358.850 χ^2/NDF : 36.3/34

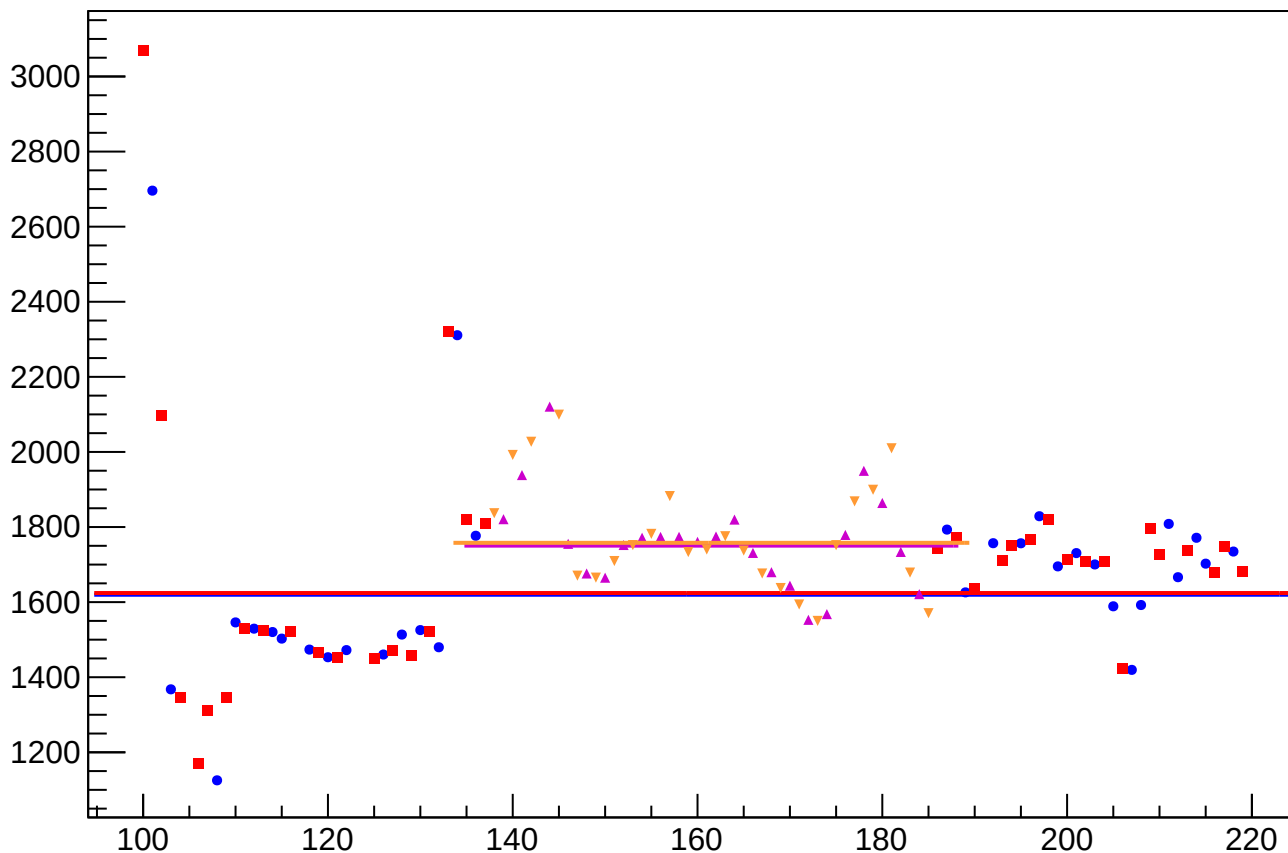
Left In: 866.021 ± 410.039 χ^2/NDF : 15.1/22

+ sign 190.365 ± 272.050 χ^2/NDF : 72.4/55

All: 246.792 ± 191.654 χ^2/NDF : 127.3/113

- sign 302.388 ± 270.041 χ^2/NDF : 54.8/57

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1619.684 $\pm$ 0.257 χ^2 /NDF: 683824.0/31

Left Out: 1757.968 $\pm$ 0.290 χ^2 /NDF: 213292.2/23

Right Out: 1624.242 $\pm$ 0.254 χ^2 /NDF: 583058.8/34

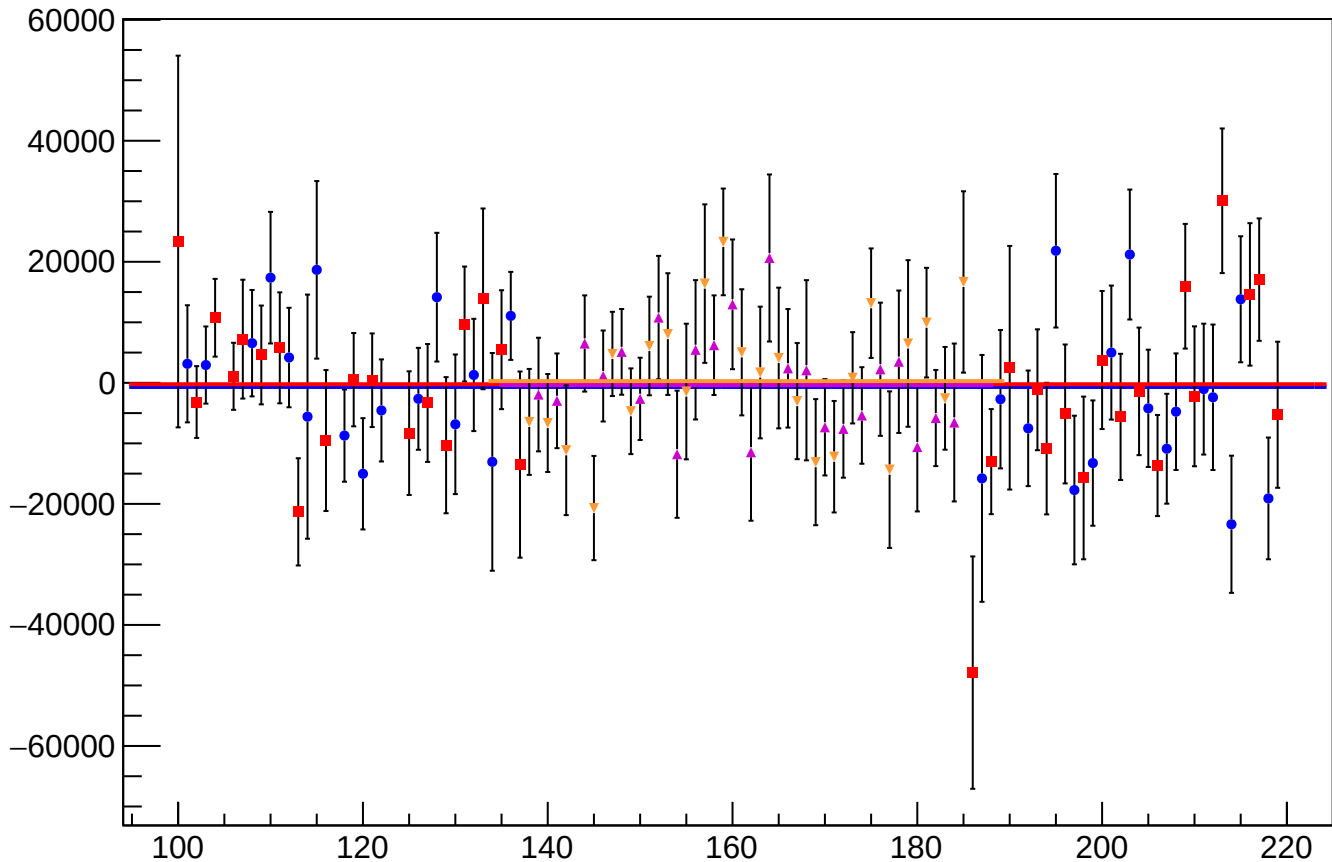
Left In: 1750.480 $\pm$ 0.290 χ^2 /NDF: 171897.3/22

+ sign 1680.691 $\pm$ 0.192 χ^2 /NDF: 1024514.4/55

All: 1679.832 $\pm$ 0.136 χ^2 /NDF: 1886868.2/11

- sign 1678.987 $\pm$ 0.191 χ^2 /NDF: 862314.2/57

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: -677.617 ± 1762.955 χ^2/NDF : 38.2/31

Left Out: 284.927 ± 1920.138 χ^2/NDF : 28.7/23

Right Out: -230.143 ± 1636.203 χ^2/NDF : 43.5/34

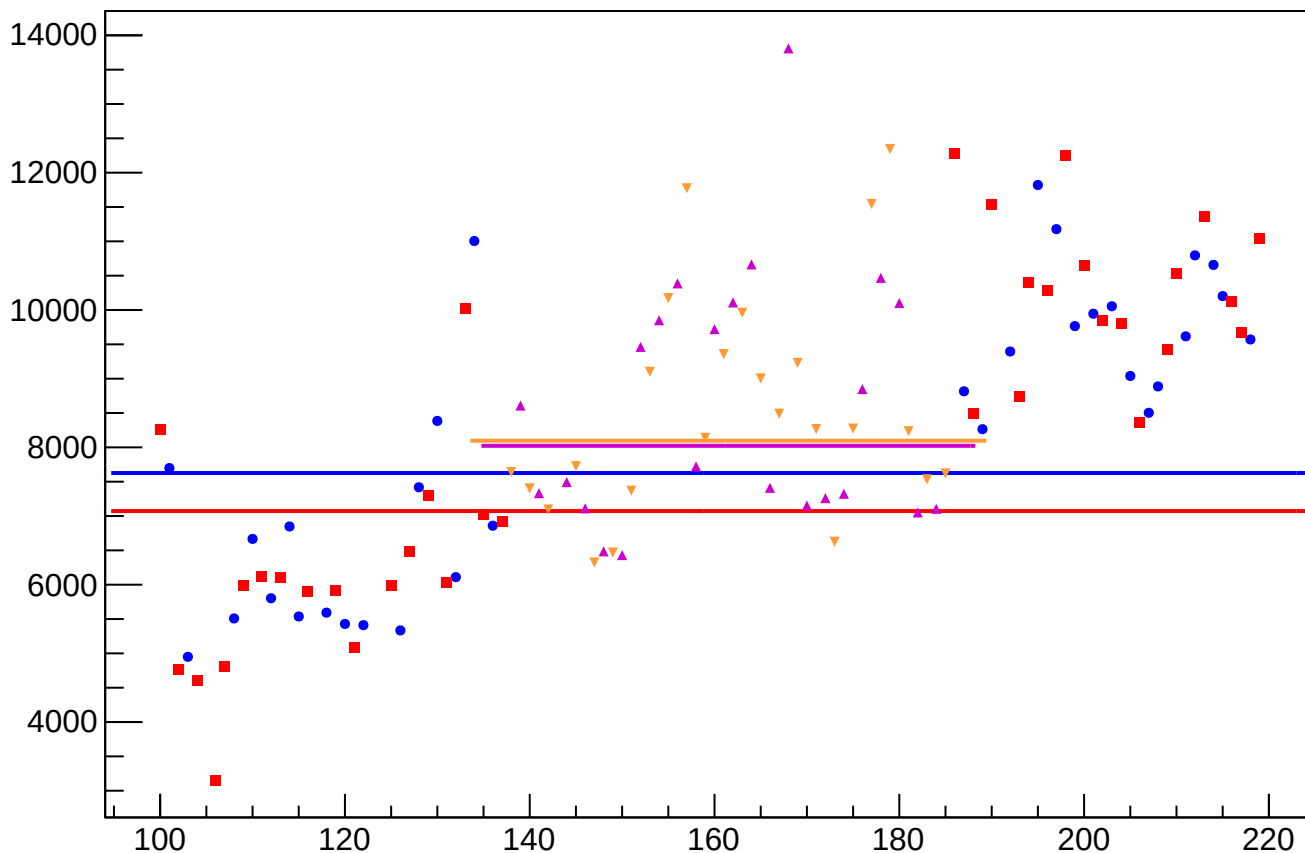
Left In: -382.663 ± 1912.388 χ^2/NDF : 13.6/22

+ sign -237.349 ± 1298.616 χ^2/NDF : 67.0/55

All: -267.223 ± 898.049 χ^2/NDF : 124.1/113

- sign -294.604 ± 1243.257 χ^2/NDF : 57.1/57

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 7626.380 $\pm$ 1.247 χ^2/NDF : 2710464.0/31

Left Out: 8096.833 $\pm$ 1.358 χ^2/NDF : 1087793.4/23

Right Out: 7072.176 $\pm$ 1.157 χ^2/NDF : 4658564.0/34

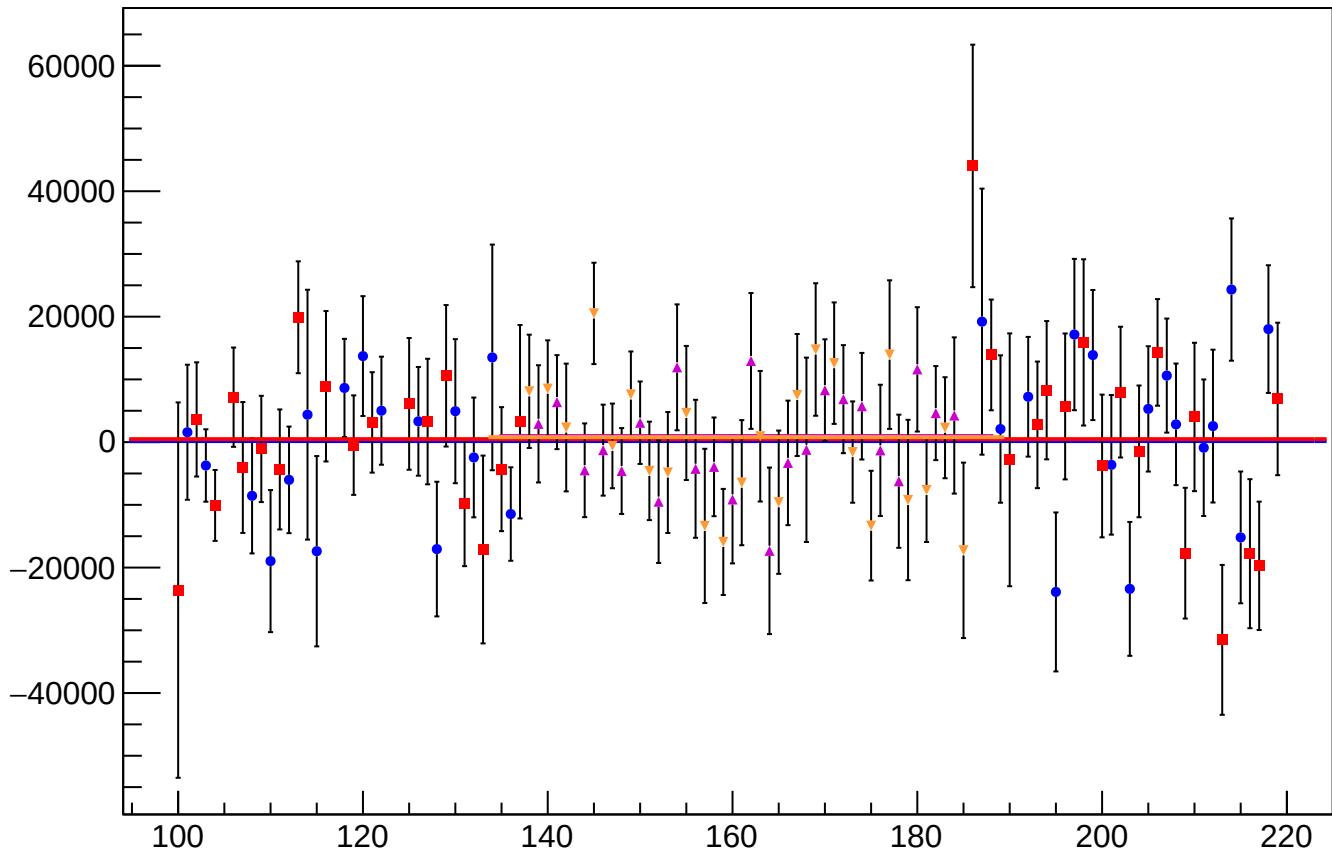
Left In: 8022.738 $\pm$ 1.352 χ^2/NDF : 1225553.6/22

+ sign 7841.566 $\pm$ 0.918 χ^2/NDF : 3863401.8/55

All: 7649.740 $\pm$ 0.635 χ^2/NDF : 10116447.6/101

- sign 7473.920 $\pm$ 0.879 χ^2/NDF : 6169407.4/57

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: 168.143 $\pm$ 1780.183 χ^2 /NDF: 40.7/31

Left Out: 791.264 $\pm$ 1865.111 χ^2 /NDF:27.2/23

Right Out: 473.416 $\pm$ 1722.581 χ^2 /NDF: 44.4/34

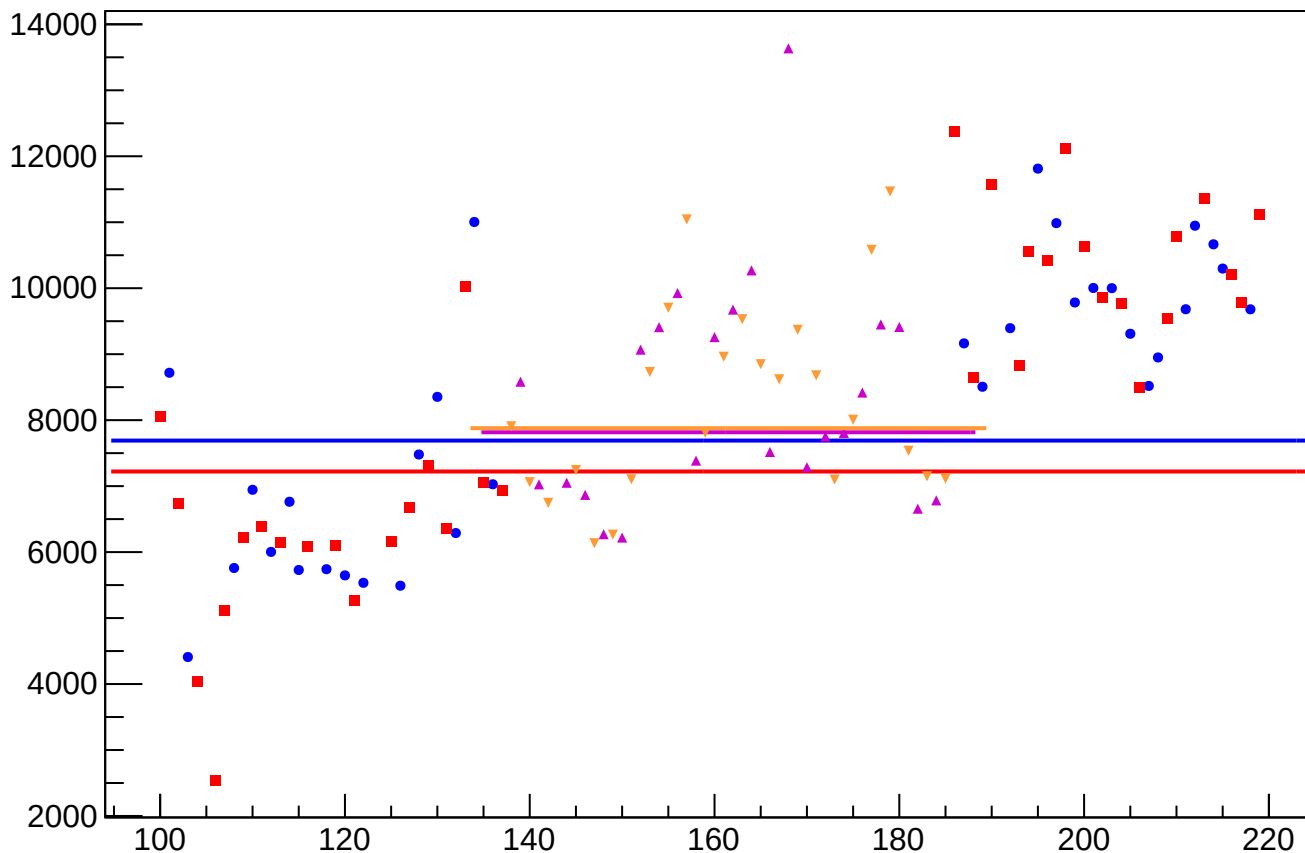
Left In: 963.967 $\pm$ 1859.926 χ^2 /NDF:12.8/22

+ sign 465.194 $\pm$ 1287.757 χ^2 /NDF: 68.0/55

All: 584.755 $\pm$ 901.999 χ^2 /NDF: 125.2/113

- sign 699.913 $\pm$ 1263.817 χ^2 /NDF: 57.2/57

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7690.336+/-1.259 χ^2/NDF : 2837634.6/31

Left Out: 7878.482+/-1.319 χ^2/NDF : 990058.5/23

Right Out: 7221.894+/-1.191 χ^2/NDF : 4848985.3/34

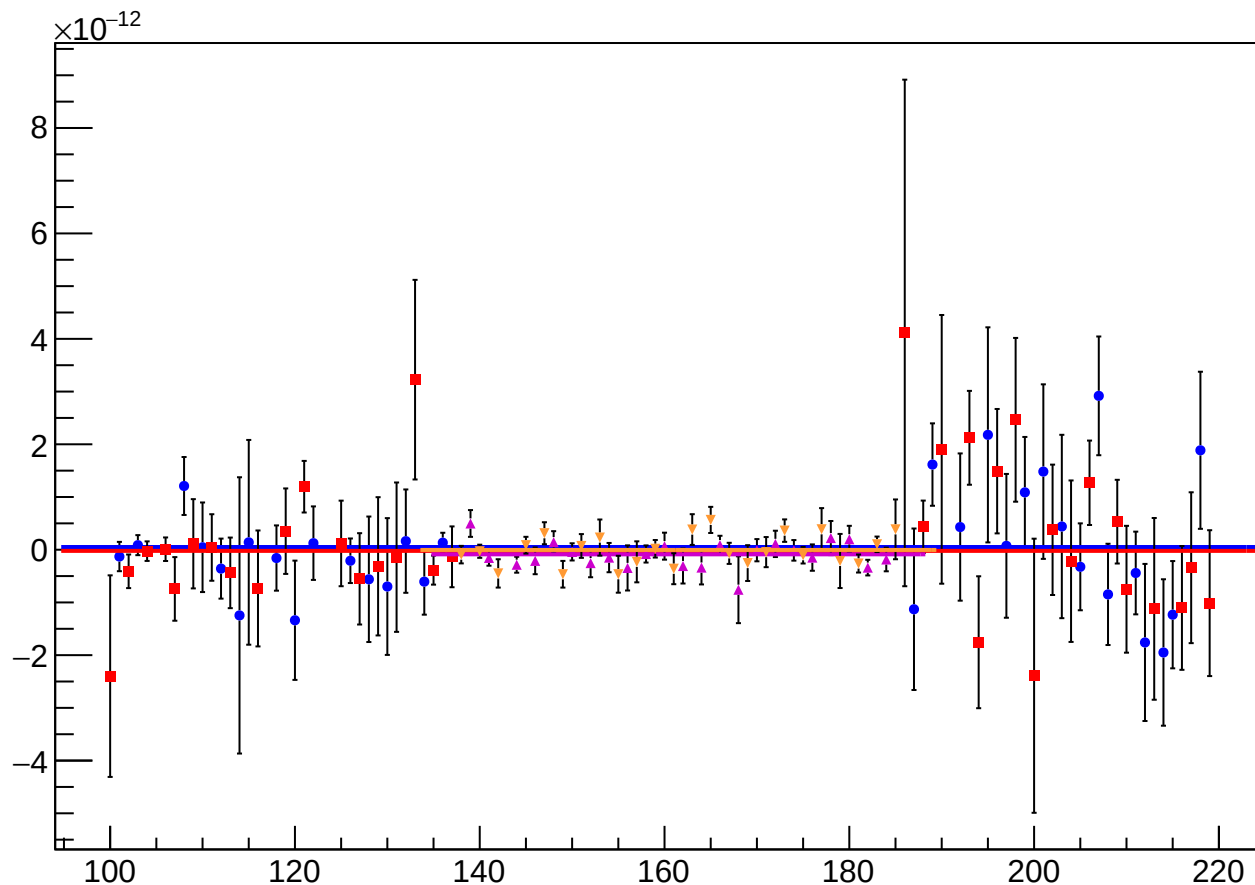
Left In: 7816.447+/-1.315 χ^2/NDF : 1132368.2/22

+ sign 7780.028+/-0.911 χ^2/NDF : 3838343.1/55

All: 7630.481+/-0.634 χ^2/NDF : 9984286.0/11

- sign 7489.872+/-0.883 χ^2/NDF : 6093610.3/57

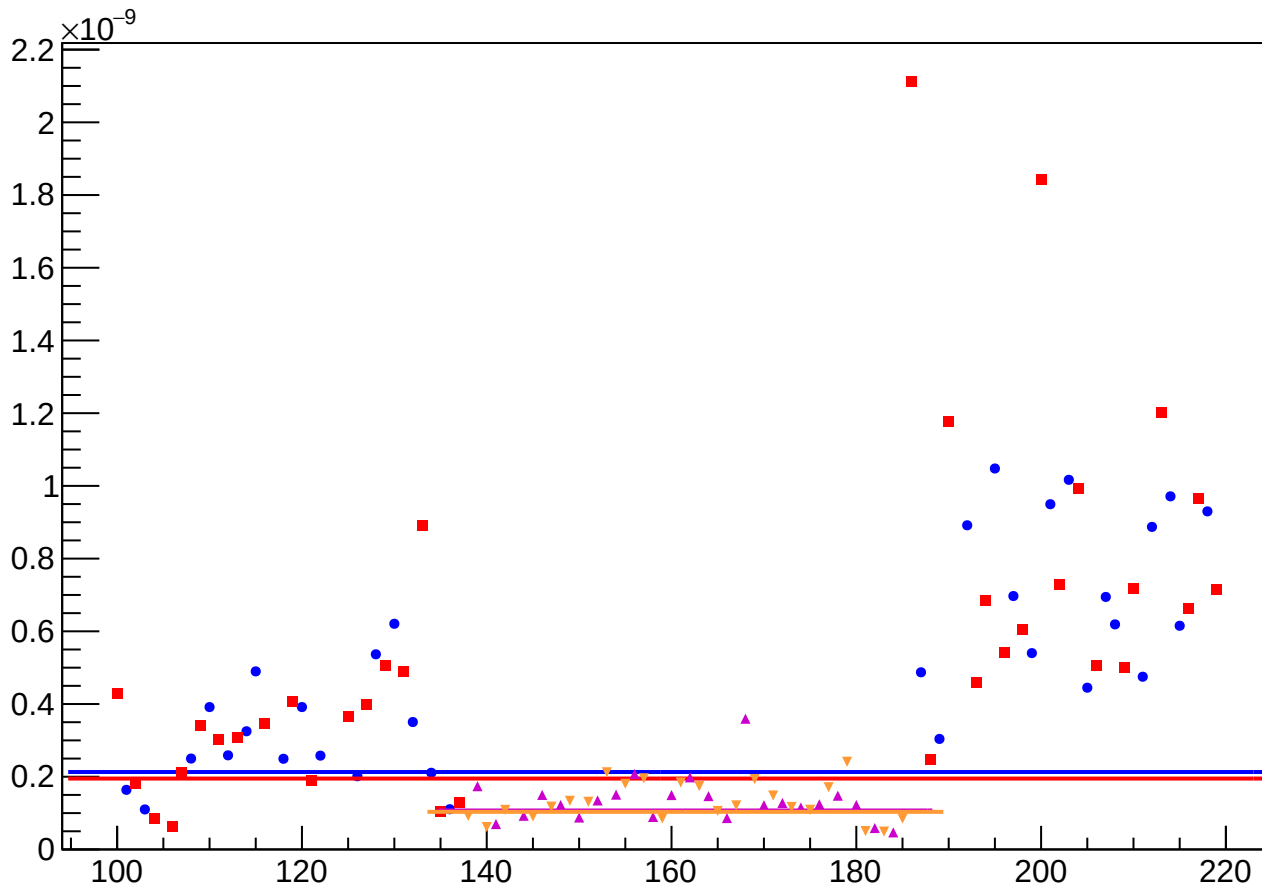
asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 31.7/31
 Left Out: -0.000 ± 0.000 χ^2/NDF : 28.6/23
 Right Out: -0.000 ± 0.000 χ^2/NDF : 37.2/34
 Left In: -0.000 ± 0.000 χ^2/NDF : 19.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 60.6/55
 All: -0.000 ± 0.000 χ^2/NDF : 119.6/113
 - sign -0.000 ± 0.000 χ^2/NDF : 57.0/57

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6899202.1/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8700412.1/34

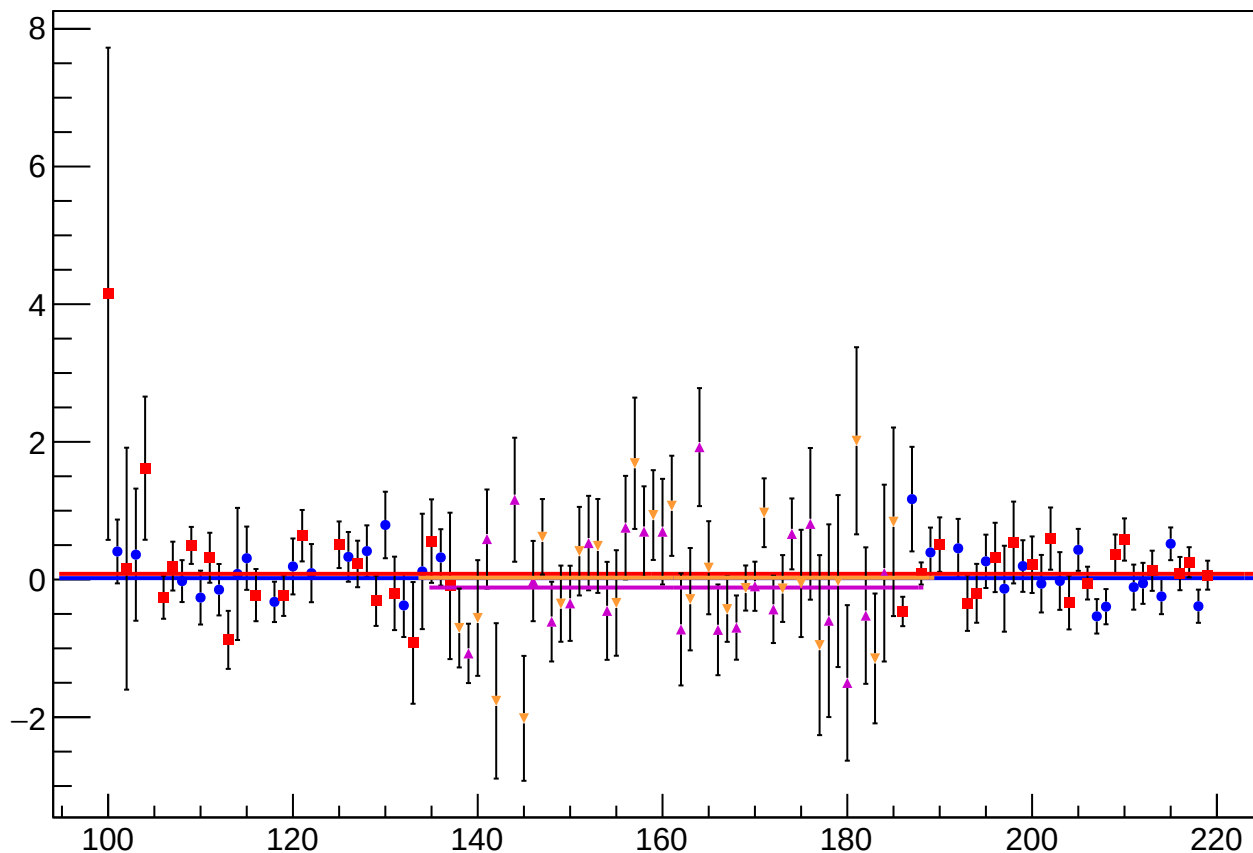
Left In: 0.000+/-0.000 χ^2/NDF : 1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 10900235.1/55

All: 0.000+/-0.000 χ^2/NDF : 22578764.6/113

- sign 0.000+/-0.000 χ^2/NDF : 11677842.9/57

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.064 χ^2/NDF : 32.3/31

Left Out: 0.025 ± 0.134 χ^2/NDF : 29.1/23

Right Out: 0.083 ± 0.056 χ^2/NDF : 39.0/34

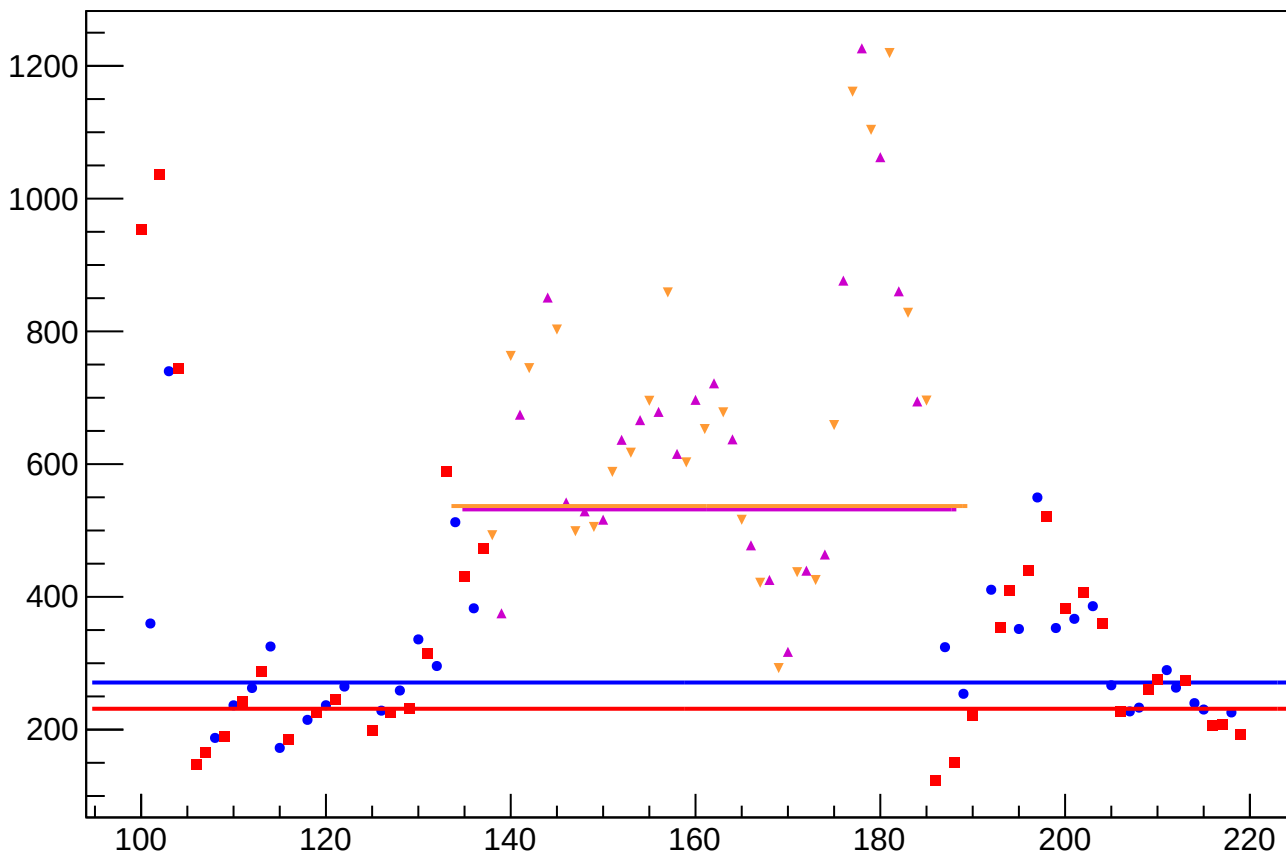
Left In: -0.117 ± 0.132 χ^2/NDF : 27.8/22

+ sign 0.021 ± 0.058 χ^2/NDF : 61.3/55

All: 0.038 ± 0.038 χ^2/NDF : 130.2/113

- sign 0.052 ± 0.051 χ^2/NDF : 68.7/57

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 270.966 $\pm$ 0.045 χ^2 /NDF: 2626884.9/31

Left Out: 536.821 $\pm$ 0.095 χ^2 /NDF: 3963242.1/23

Right Out: 231.422 $\pm$ 0.039 χ^2 /NDF: 5406494.3/34

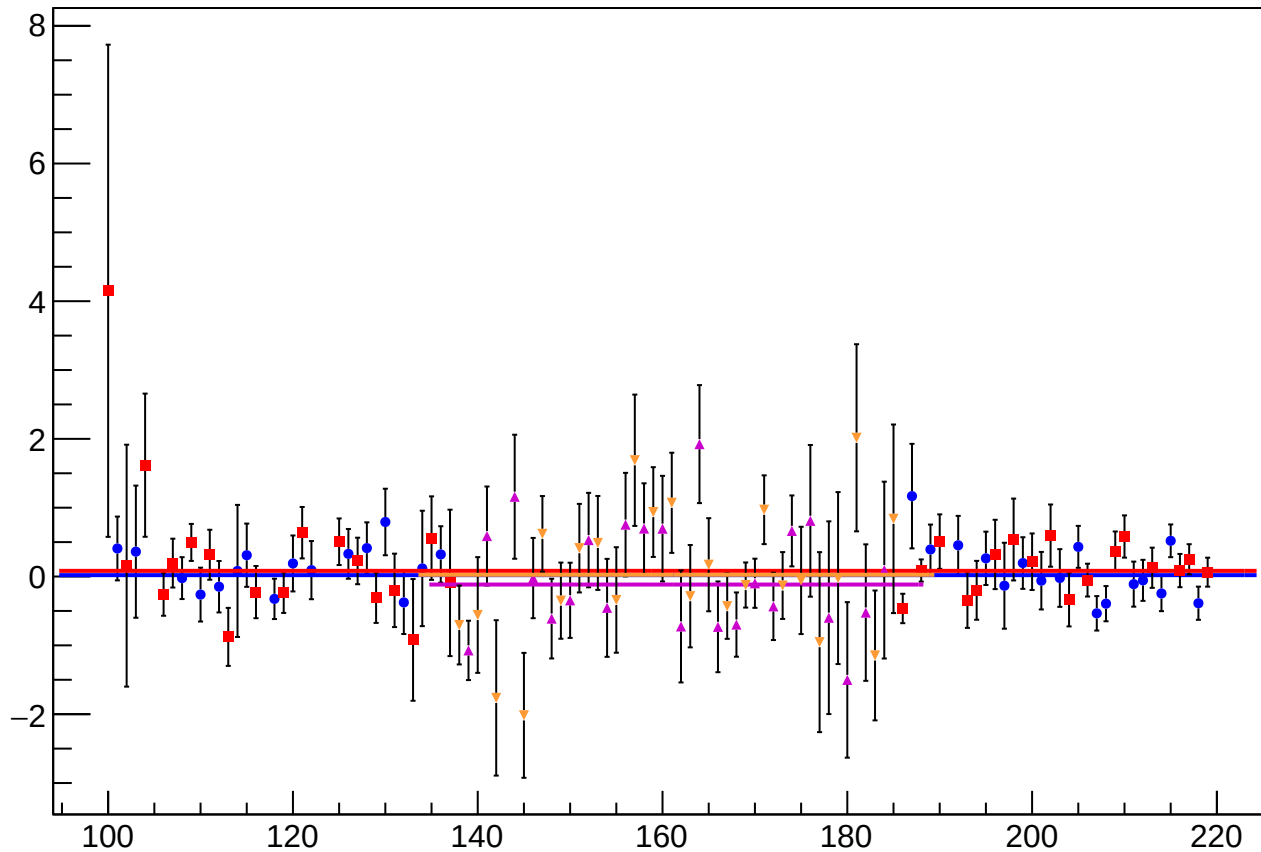
Left In: 531.769 $\pm$ 0.094 χ^2 /NDF: 3381209.0/22

+ sign 320.093 $\pm$ 0.041 χ^2 /NDF: 13010680.2/55

All: 295.977 $\pm$ 0.027 χ^2 /NDF: 31160109.3/11

- sign 276.731 $\pm$ 0.036 χ^2 /NDF: 17518839.6/57

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 ± 0.064 χ^2/NDF : 32.3/31

Left Out: 0.025 ± 0.134 χ^2/NDF : 29.1/23

Right Out: 0.083 ± 0.056 χ^2/NDF : 39.0/34

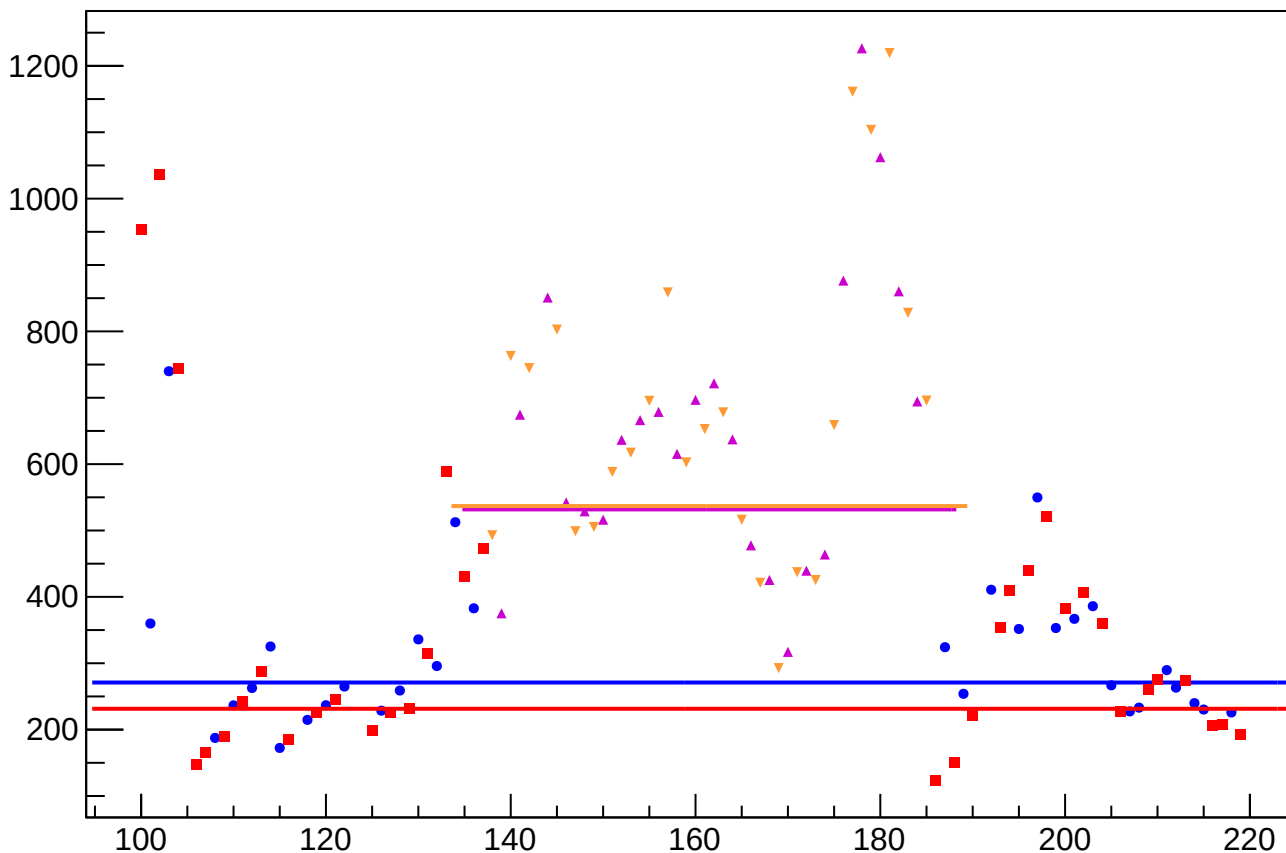
Left In: -0.117 ± 0.132 χ^2/NDF : 27.8/22

+ sign 0.021 ± 0.058 χ^2/NDF : 61.3/55

All: 0.038 ± 0.038 χ^2/NDF : 130.2/113

- sign 0.052 ± 0.051 χ^2/NDF : 68.7/57

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 270.966 $\pm$ 0.045 χ^2 /NDF: 2626884.9/31

Left Out: 536.821 $\pm$ 0.095 χ^2 /NDF: 3963242.1/23

Right Out: 231.422 $\pm$ 0.039 χ^2 /NDF: 5406494.3/34

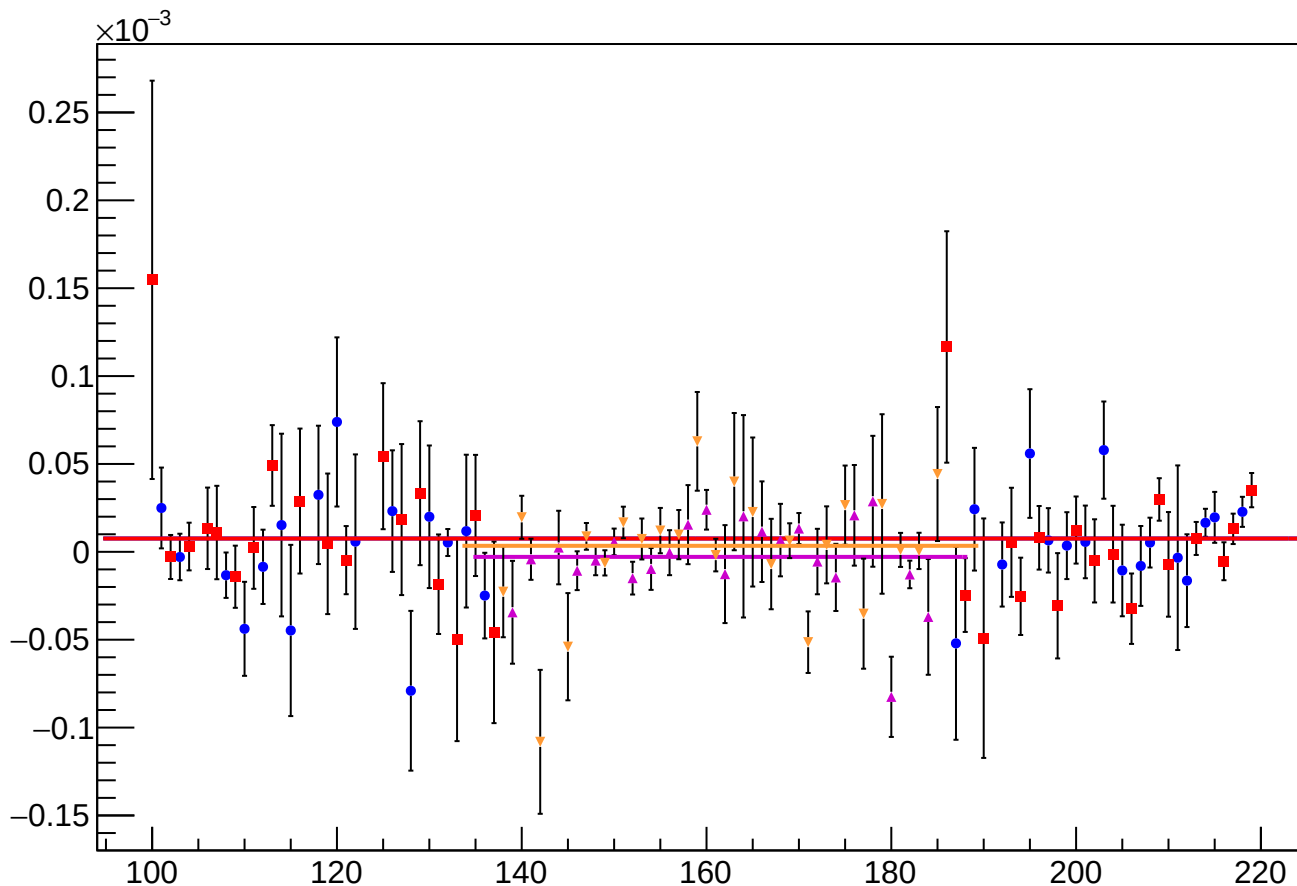
Left In: 531.769 $\pm$ 0.094 χ^2 /NDF: 3381209.0/22

+ sign 320.093 $\pm$ 0.041 χ^2 /NDF: 13010680.2/55

All: 295.977 $\pm$ 0.027 χ^2 /NDF: 31160109.3/11

- sign 276.731 $\pm$ 0.036 χ^2 /NDF: 17518839.6/57

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.2/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.4/34

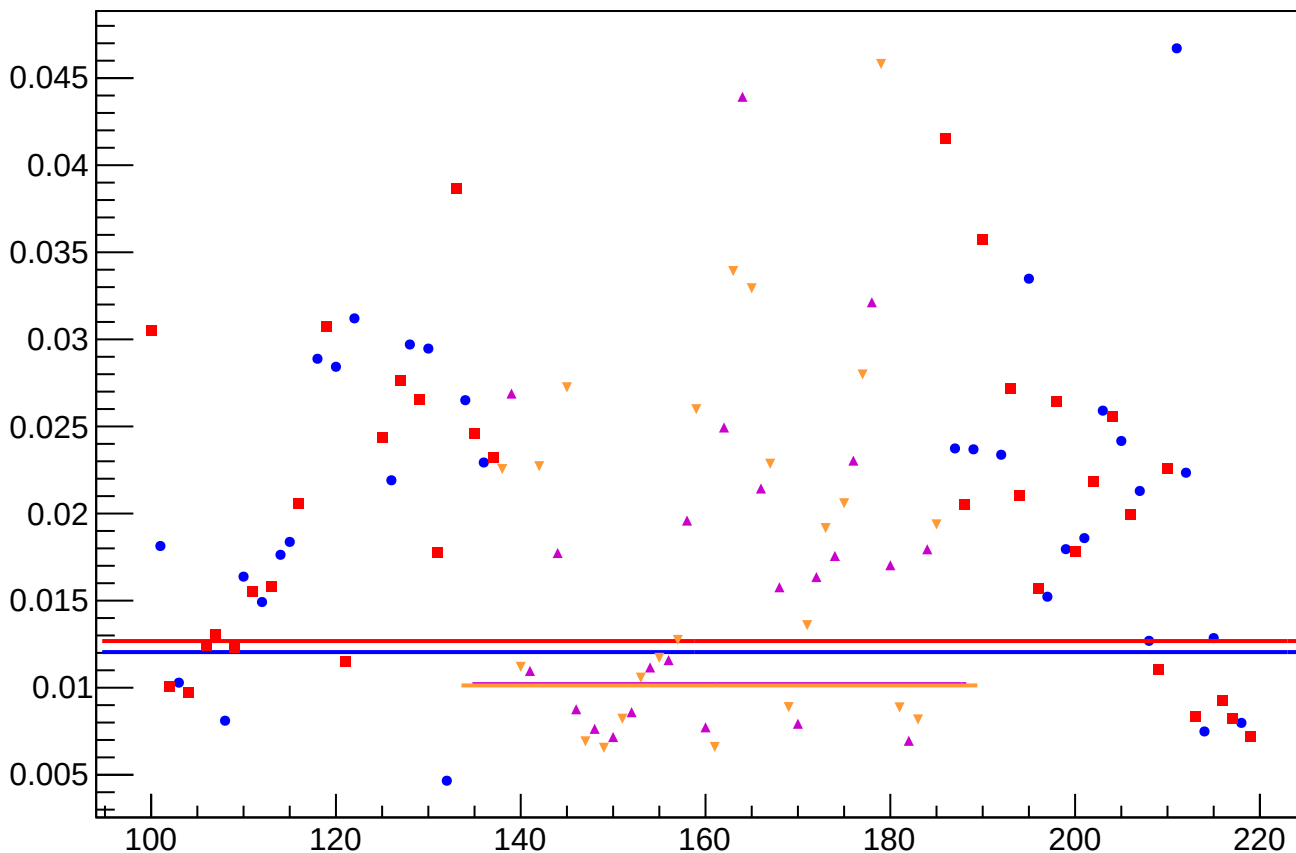
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 71.3/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 151.5/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 78.8/57

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012 ± 0.000 $\chi^2/\text{NDF}: 10170087.1/31$

Left Out: 0.010 ± 0.000 $\chi^2/\text{NDF}: 7812047.6/23$

Right Out: 0.013 ± 0.000 $\chi^2/\text{NDF}: 7488486.5/34$

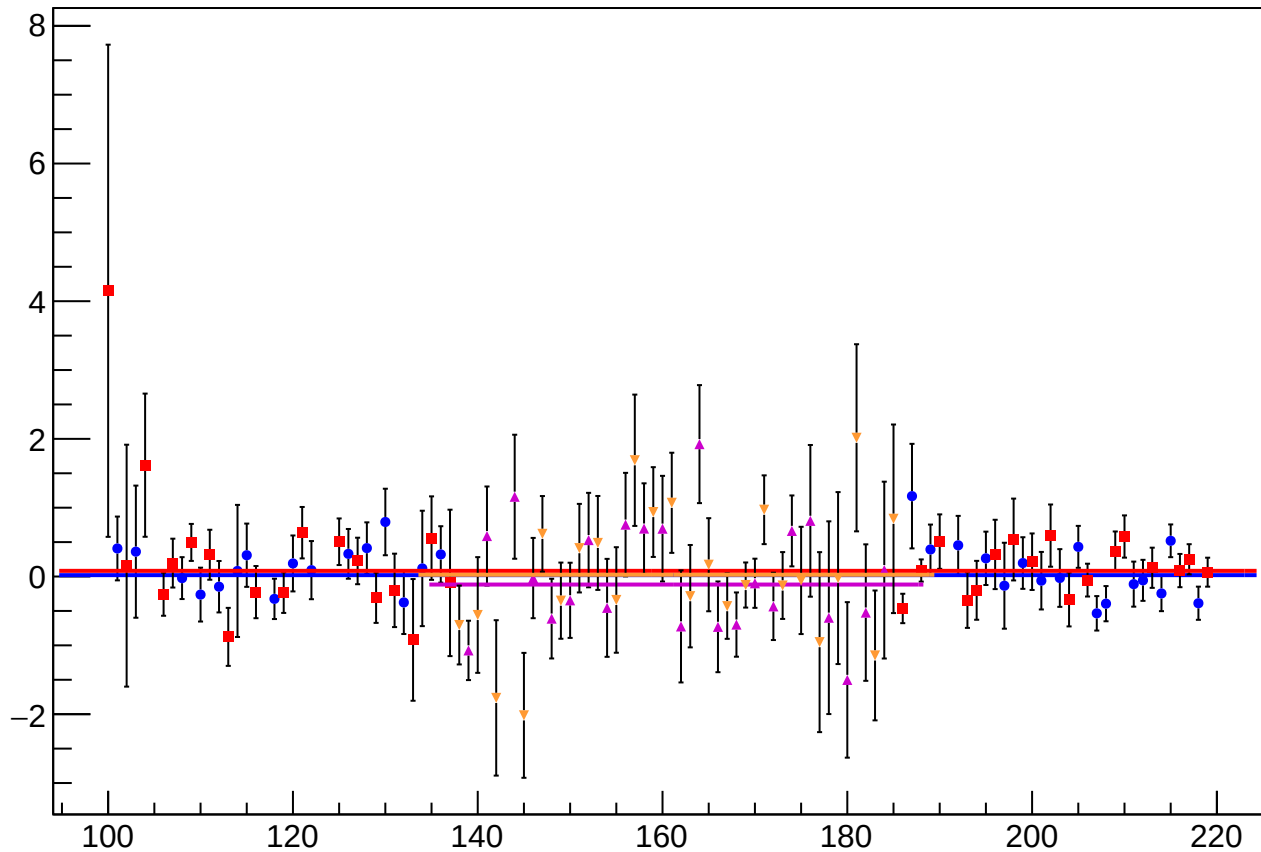
Left In: 0.010 ± 0.000 $\chi^2/\text{NDF}: 6075883.8/22$

+ sign 0.011 ± 0.000 $\chi^2/\text{NDF}: 18395992.5/55$

All: 0.011 ± 0.000 $\chi^2/\text{NDF}: 32680096.1/113$

- sign 0.011 ± 0.000 $\chi^2/\text{NDF}: 14257005.5/57$

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 $\pm$ 0.064 χ^2/NDF : 32.3/31

Left Out: 0.025 $\pm$ 0.134 χ^2/NDF : 29.1/23

Right Out: 0.083 $\pm$ 0.056 χ^2/NDF : 39.0/34

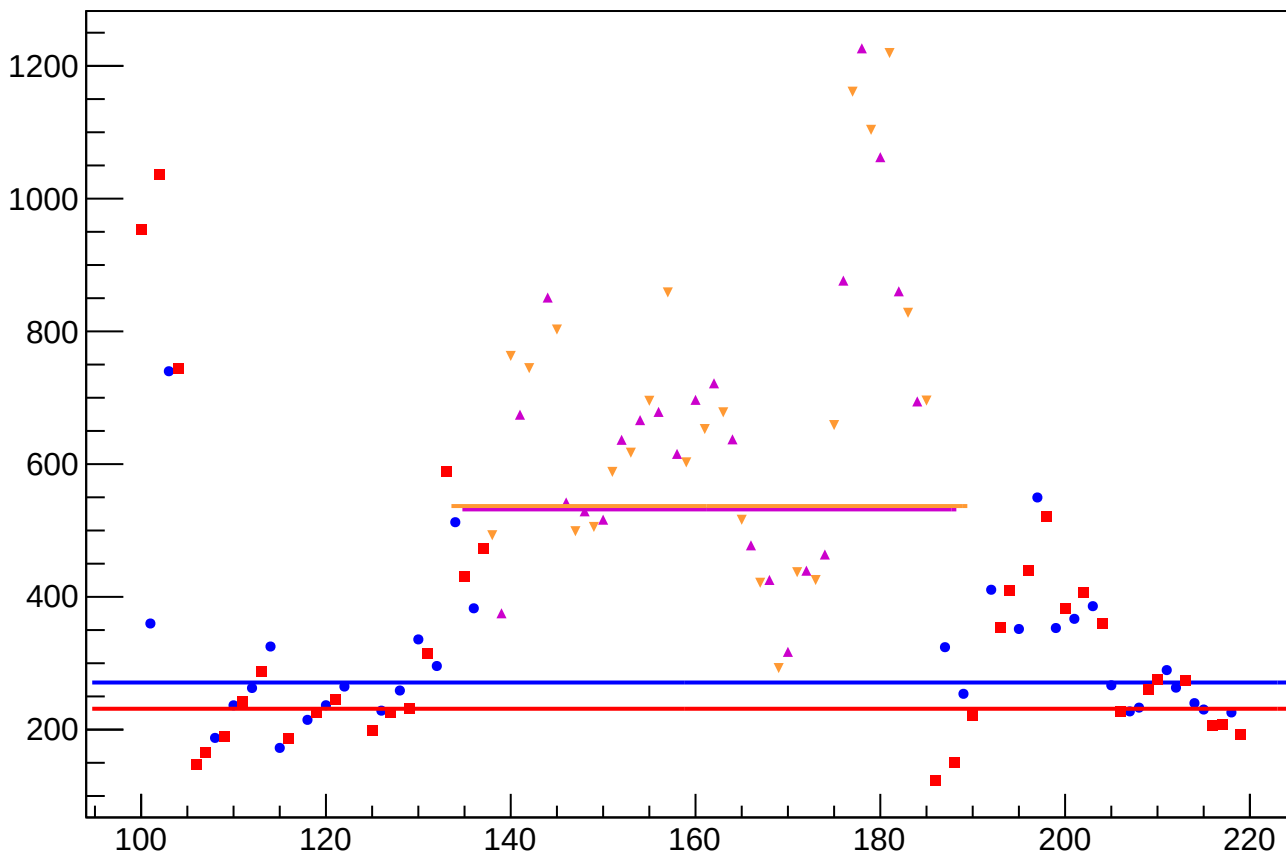
Left In: -0.117 $\pm$ 0.132 χ^2/NDF : 27.8/22

+ sign 0.021 $\pm$ 0.058 χ^2/NDF : 61.3/55

All: 0.038 $\pm$ 0.038 χ^2/NDF : 130.2/113

- sign 0.052 $\pm$ 0.051 χ^2/NDF : 68.7/57

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 270.965+/-0.045 χ^2/NDF : 2626889.3/31

Left Out: 536.822+/-0.095 χ^2/NDF : 3963422.5/23

Right Out: 231.421+/-0.039 χ^2/NDF : 5406575.3/34

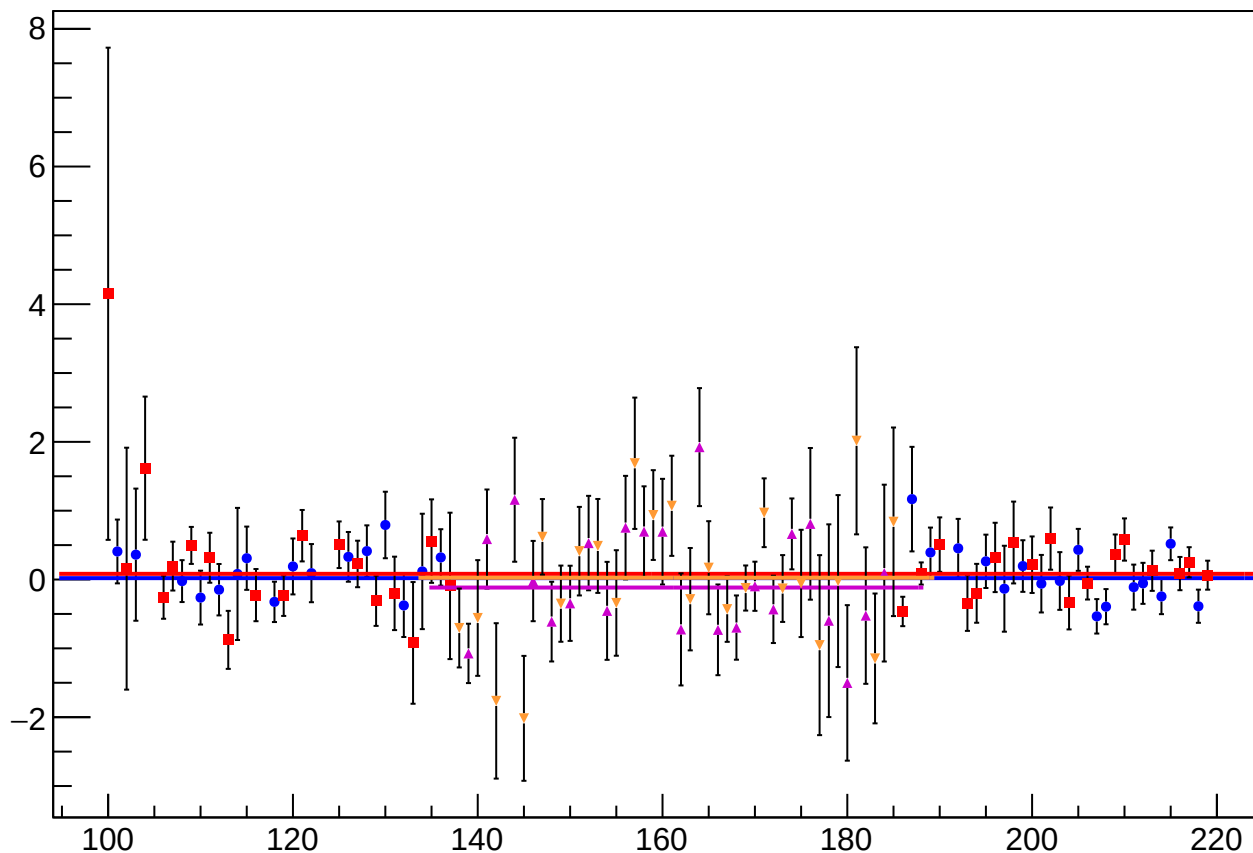
Left In: 531.773+/-0.094 χ^2/NDF : 3381293.8/22

+ sign 320.092+/-0.041 χ^2/NDF : 13010909.4/55

All: 295.976+/-0.027 χ^2/NDF : 31160653.3/11

- sign 276.730+/-0.036 χ^2/NDF : 17519153.4/57

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 ± 0.064 χ^2/NDF : 32.3/31

Left Out: 0.025 ± 0.134 χ^2/NDF : 29.1/23

Right Out: 0.083 ± 0.056 χ^2/NDF : 39.0/34

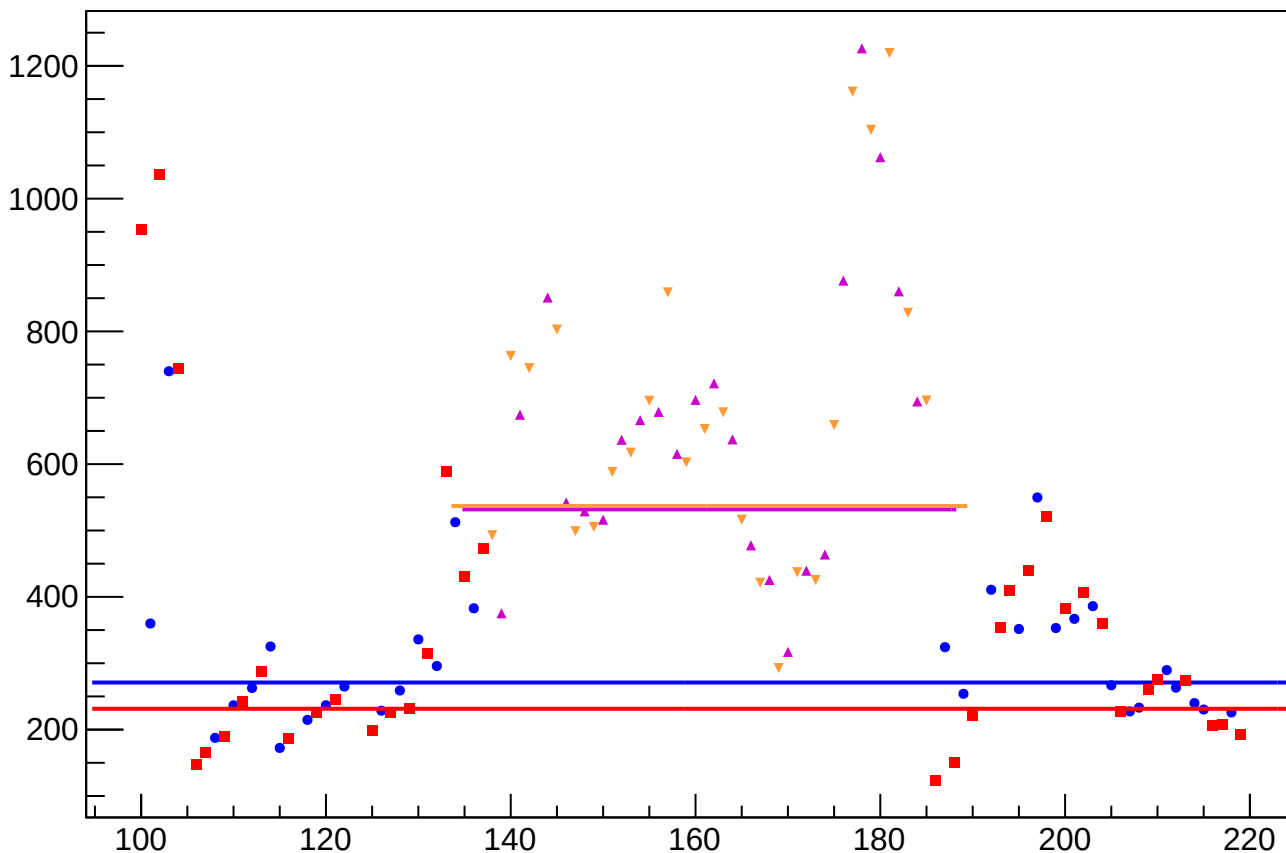
Left In: -0.117 ± 0.132 χ^2/NDF : 27.8/22

+ sign 0.021 ± 0.058 χ^2/NDF : 61.3/55

All: 0.038 ± 0.038 χ^2/NDF : 130.2/113

- sign 0.052 ± 0.051 χ^2/NDF : 68.7/57

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 270.965 $\pm$ 0.045 χ^2 /NDF: 2626889.3/31

Left Out: 536.822 $\pm$ 0.095 χ^2 /NDF:3963422.5/23

Right Out: 231.421 $\pm$ 0.039 χ^2 /NDF: 5406575.3/34

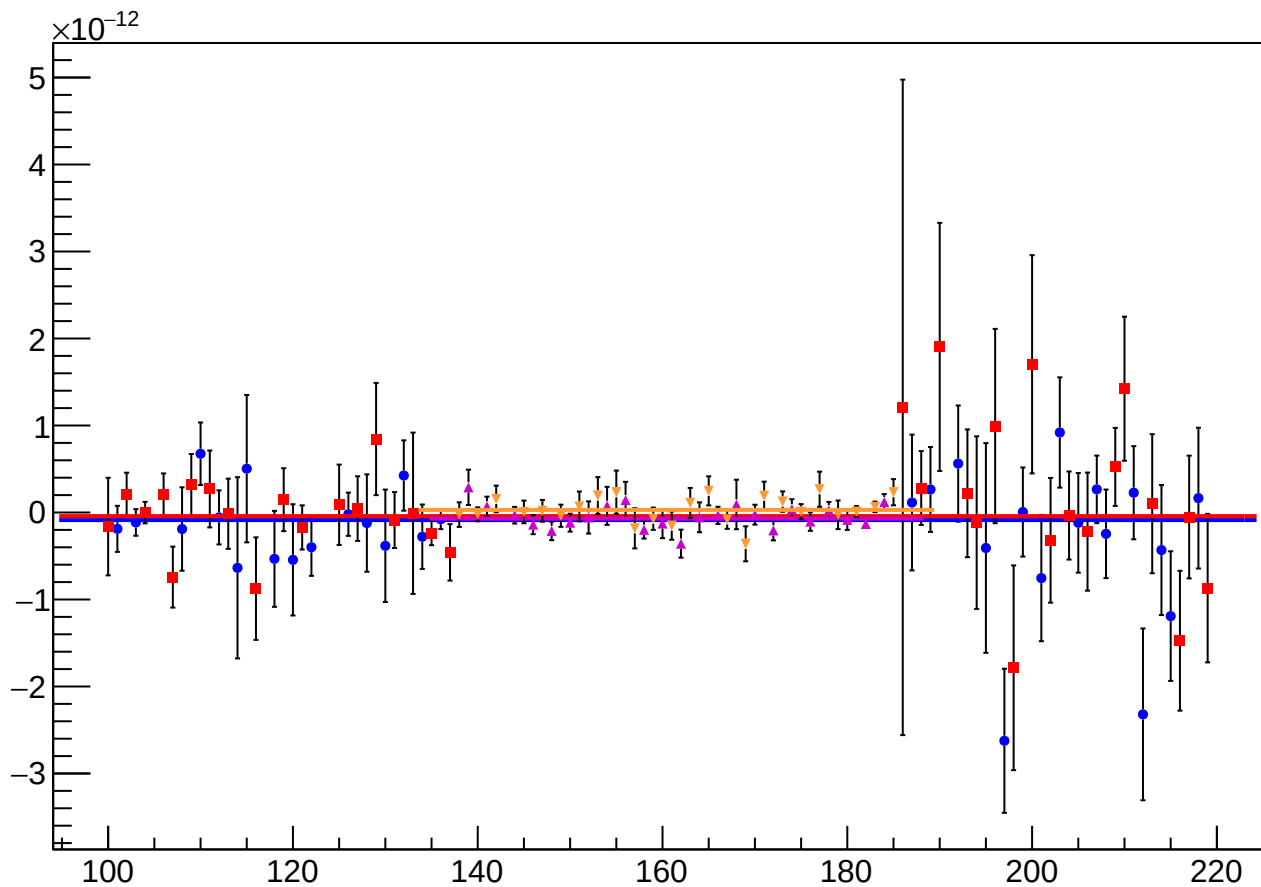
Left In: 531.773 $\pm$ 0.094 χ^2 /NDF:3381293.8/22

+ sign 320.092 $\pm$ 0.041 χ^2 /NDF: 13010909.4/55

All: 295.976 $\pm$ 0.027 χ^2 /NDF: 31160653.3/1

- sign 276.730 $\pm$ 0.036 χ^2 /NDF: 17519153.4/57

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 33.0/31$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 17.7/23$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 32.6/34$

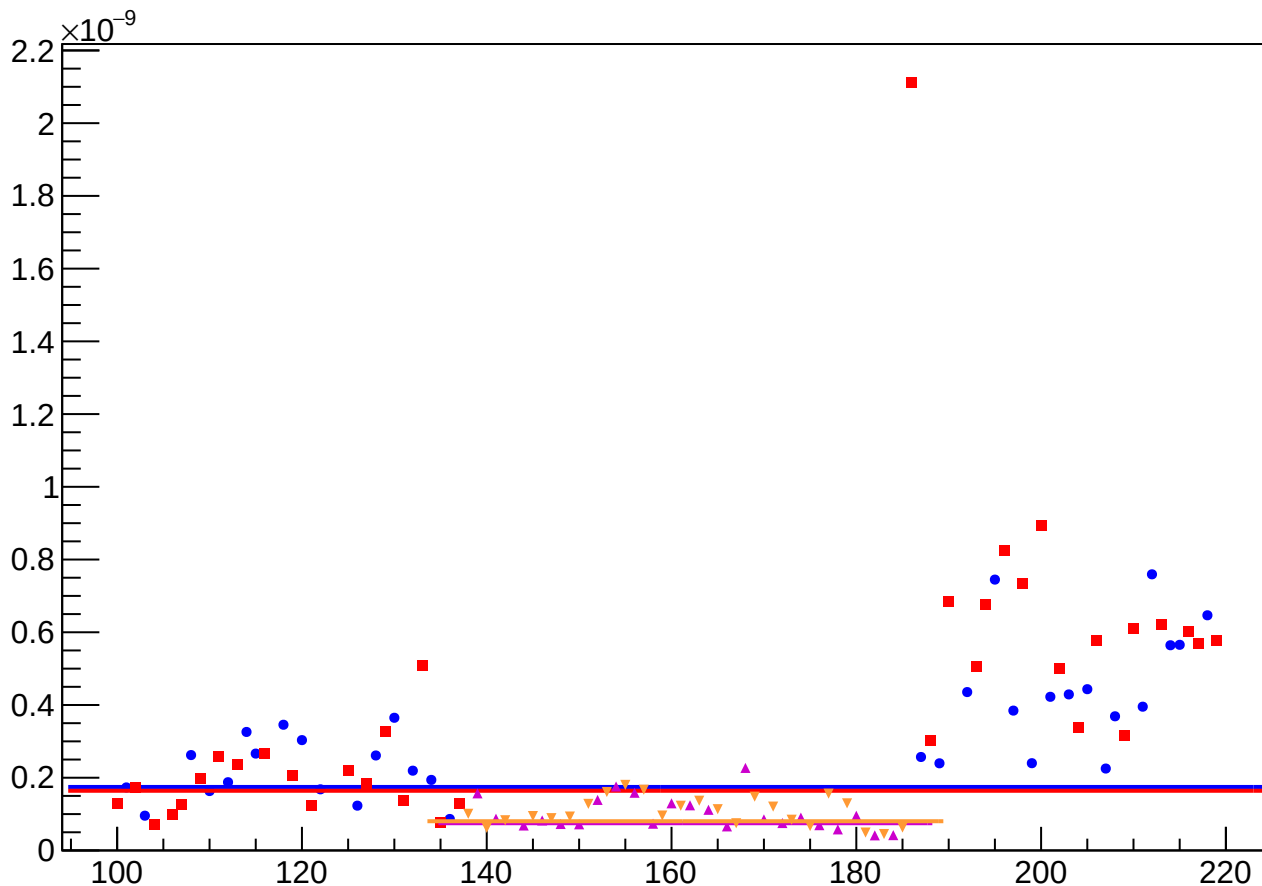
Left In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 23.4/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 53.7/55$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 116.5/113$

- sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 56.2/57$

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 7604791.2/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 3732870.2/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 11280491.8/34

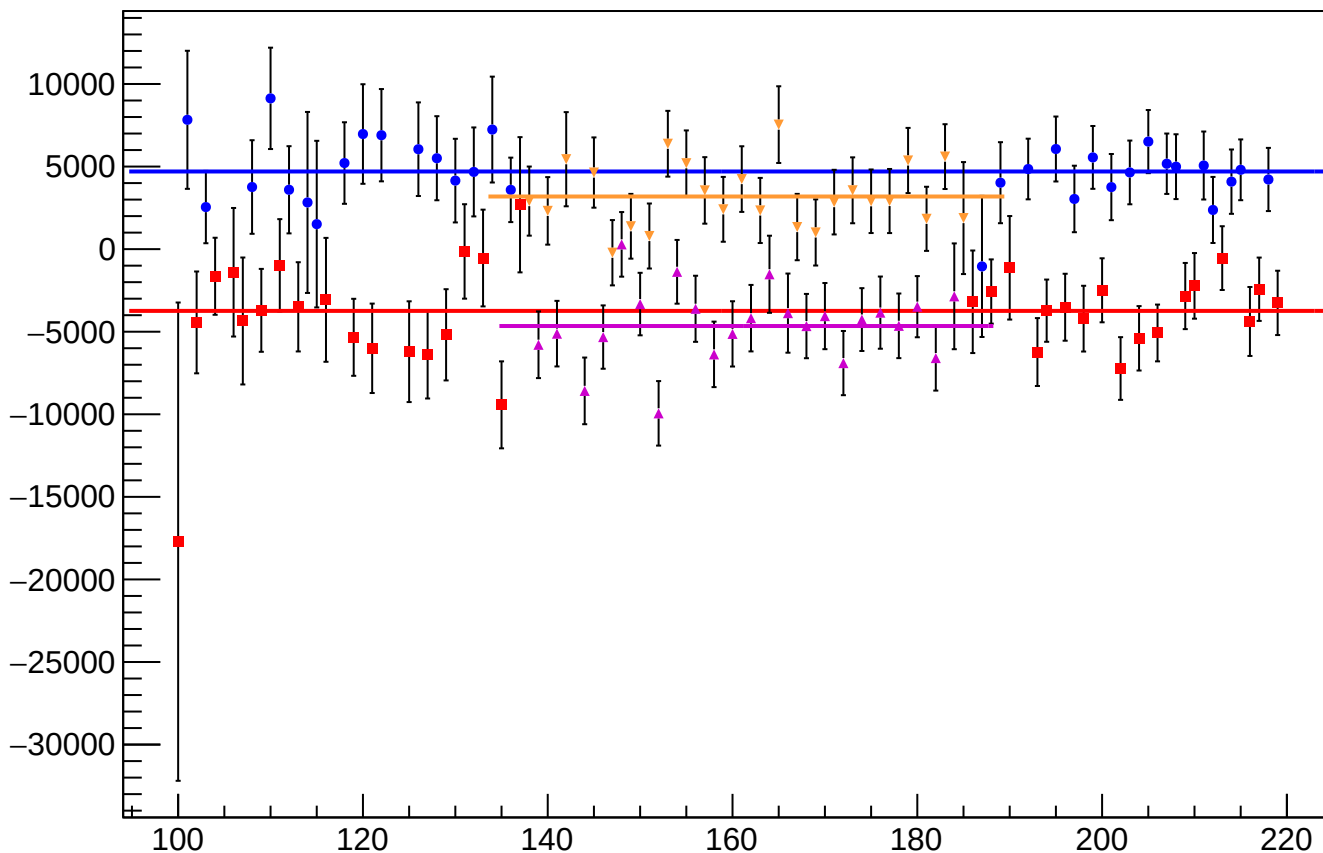
Left In: 0.000 ± 0.000 χ^2/NDF : 3665599.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 15221617.7/55

All: 0.000 ± 0.000 χ^2/NDF : 34032199.3/113

- sign 0.000 ± 0.000 χ^2/NDF : 18728191.5/57

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4702.312 $\pm$ 407.777 χ^2 /NDF: 13.0/31

Left Out: 3187.125 $\pm$ 418.619 χ^2 /NDF: 19.9/23

Right Out: -3739.195 $\pm$ 400.638 χ^2 /NDF: 28.1/34

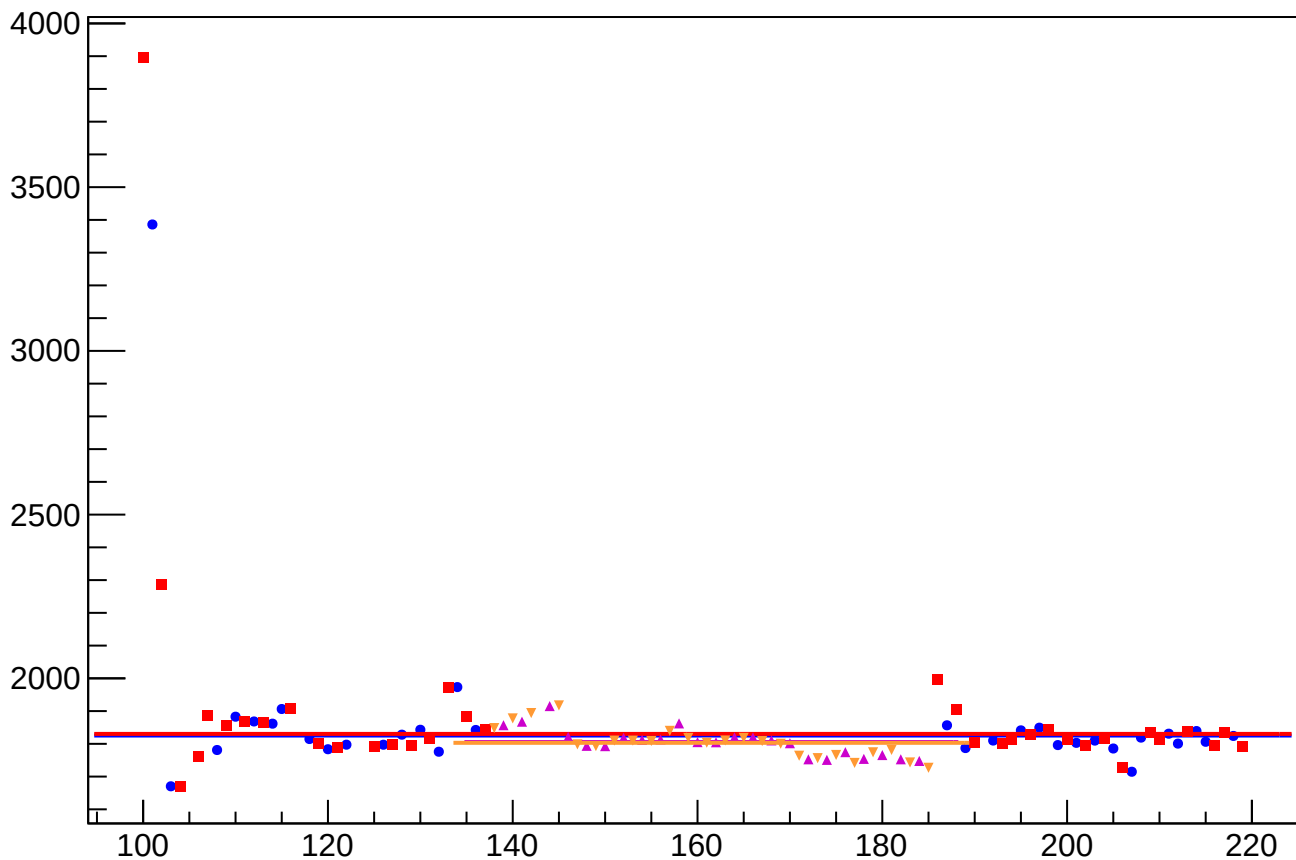
Left In: -4655.206 $\pm$ 421.691 χ^2 /NDF: 27.7/22

+ sign 3964.592 $\pm$ 292.100 χ^2 /NDF: 39.6/55

All: -127.611 $\pm$ 205.960 χ^2 /NDF: 488.2/113

- sign -4173.764 $\pm$ 290.452 χ^2 /NDF: 58.3/57

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1825.382 $\pm$ 0.288 χ^2 /NDF: 307929.9/31

Left Out: 1803.115 $\pm$ 0.296 χ^2 /NDF:20641.1/23

Right Out: 1830.303 $\pm$ 0.283 χ^2 /NDF: 123039.6/34

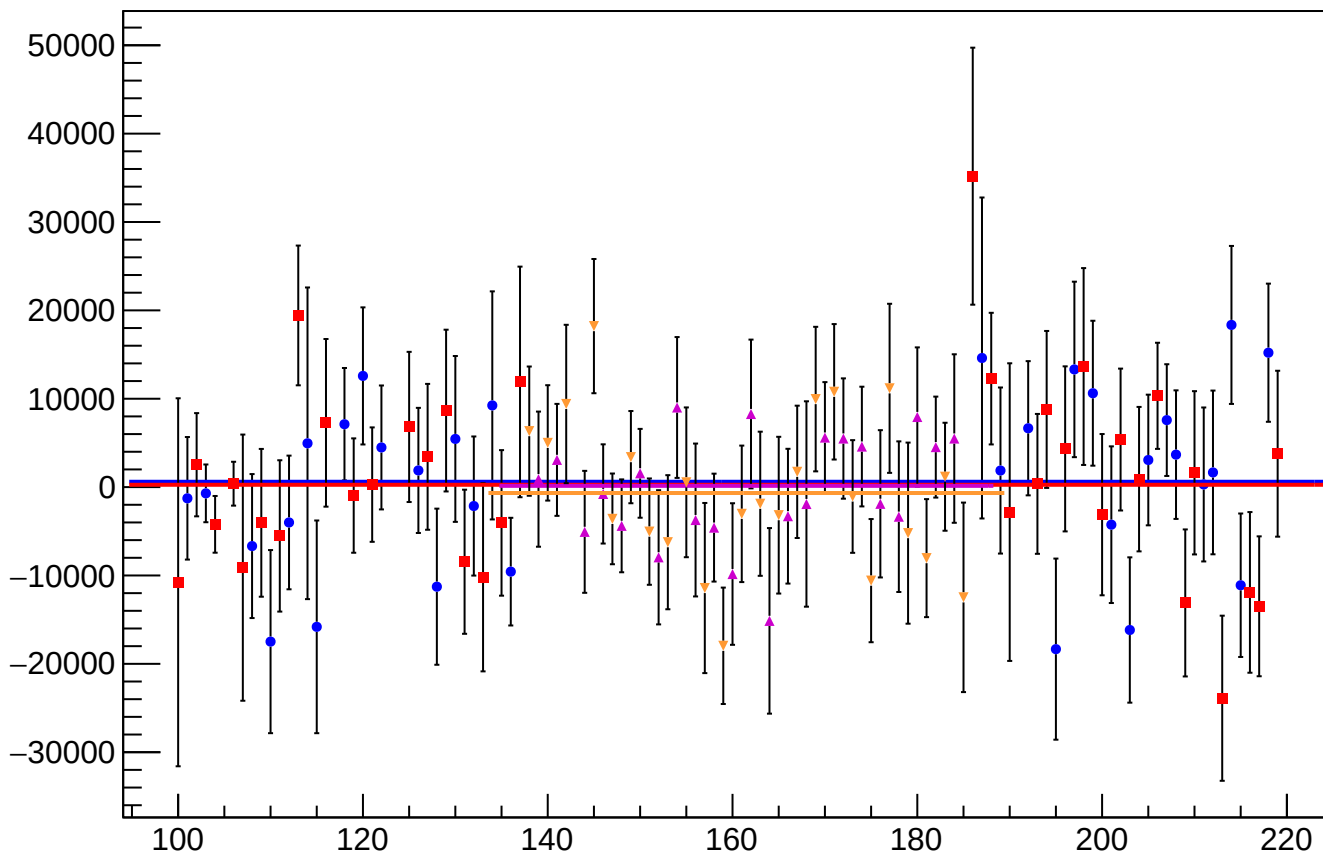
Left In: 1805.559 $\pm$ 0.298 χ^2 /NDF:19314.7/22

+ sign 1814.541 $\pm$ 0.207 χ^2 /NDF: 331474.7/55

All: 1816.571 $\pm$ 0.146 χ^2 /NDF: 477644.0/113

- sign 1818.576 $\pm$ 0.205 χ^2 /NDF: 145977.2/57

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug



Right In: 604.530 $\pm$ 1353.147 χ^2 /NDF: 38.9/31

Left Out: -667.243 $\pm$ 1478.798 χ^2 /NDF:29.8/23

Right Out: 263.892 $\pm$ 1191.021 χ^2 /NDF: 43.3/34

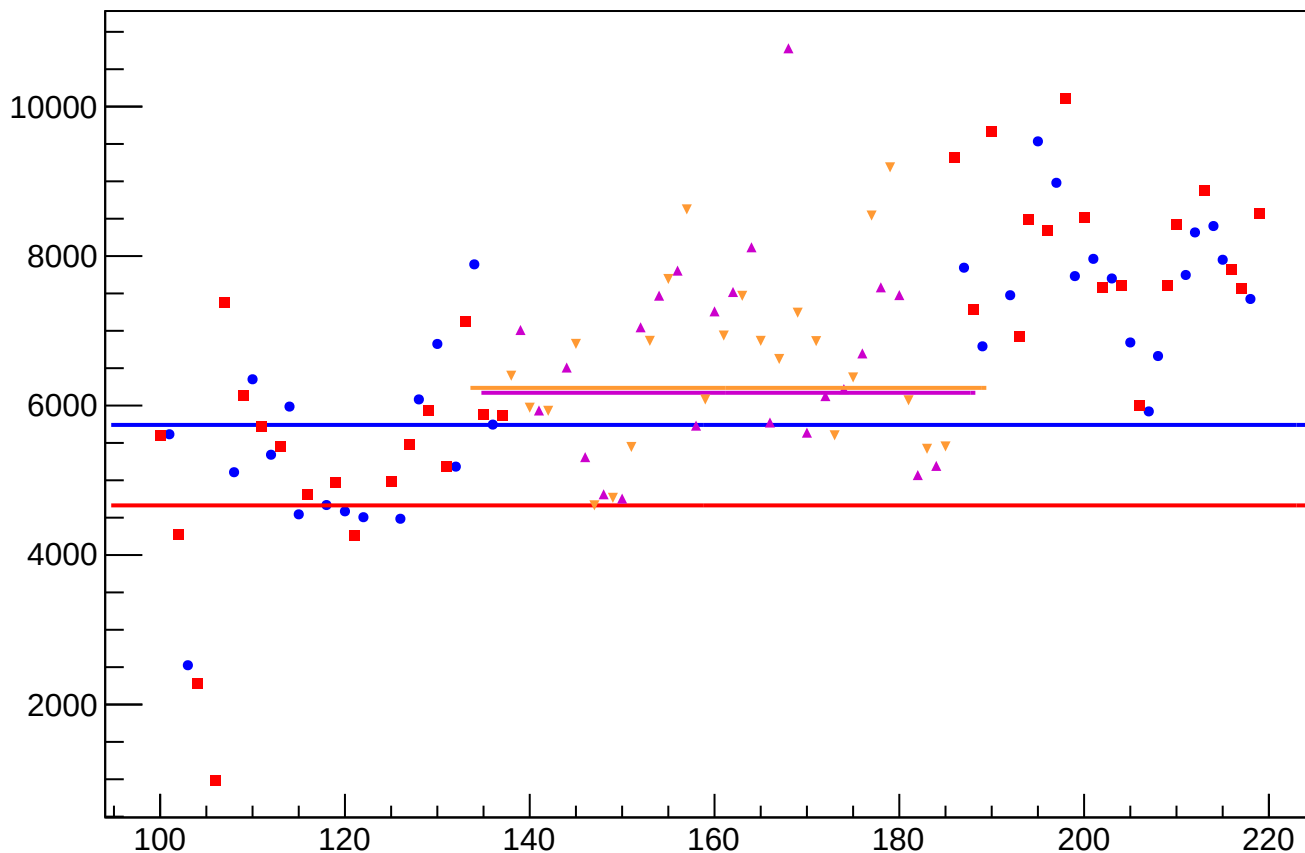
Left In: 143.435 $\pm$ 1471.371 χ^2 /NDF:13.6/22

+ sign 24.960 $\pm$ 998.291 χ^2 /NDF: 69.0/55

All: 127.785 $\pm$ 678.799 χ^2 /NDF: 125.9/113

- sign 216.208 $\pm$ 925.742 χ^2 /NDF: 56.8/57

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug



Right In: 5741.007 $\pm$ 0.957 χ^2/NDF : 4060841.0/31

Left Out: 6236.636 $\pm$ 1.046 χ^2/NDF : 1067659.4/23

Right Out: 4664.167 $\pm$ 0.842 χ^2/NDF : 10720810.7/34

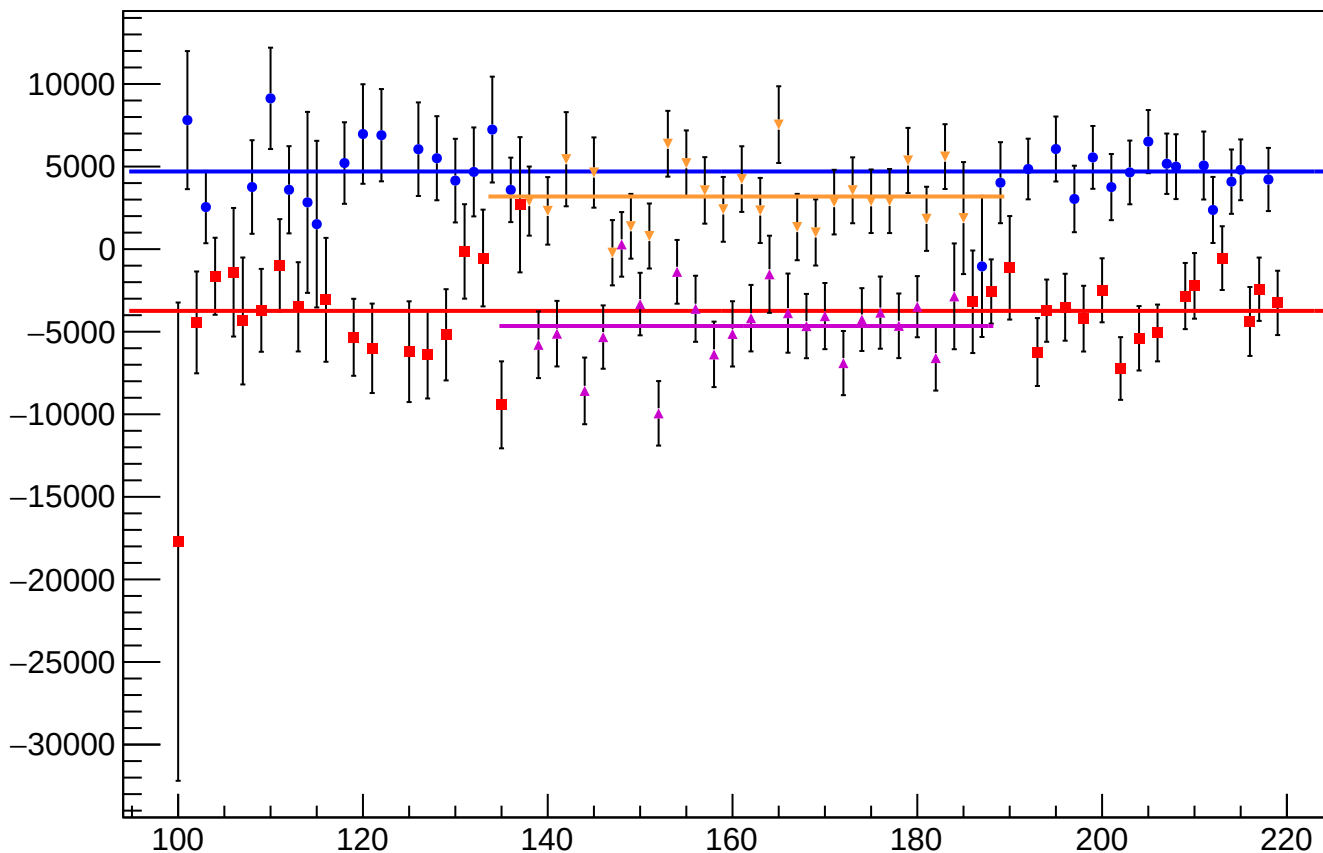
Left In: 6170.791 $\pm$ 1.040 χ^2/NDF : 1237554.5/22

+ sign 5966.874 $\pm$ 0.706 χ^2/NDF : 5250778.9/55

All: 5587.128 $\pm$ 0.480 χ^2/NDF : 19014298.8/100

- sign 5260.571 $\pm$ 0.655 χ^2/NDF : 13225250.1/57

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4702.134 $\pm$ 407.777 χ^2 /NDF: 13.0/31

Left Out: 3187.056 $\pm$ 418.619 χ^2 /NDF: 19.9/23

Right Out: -3739.153 $\pm$ 400.638 χ^2 /NDF: 28.1/34

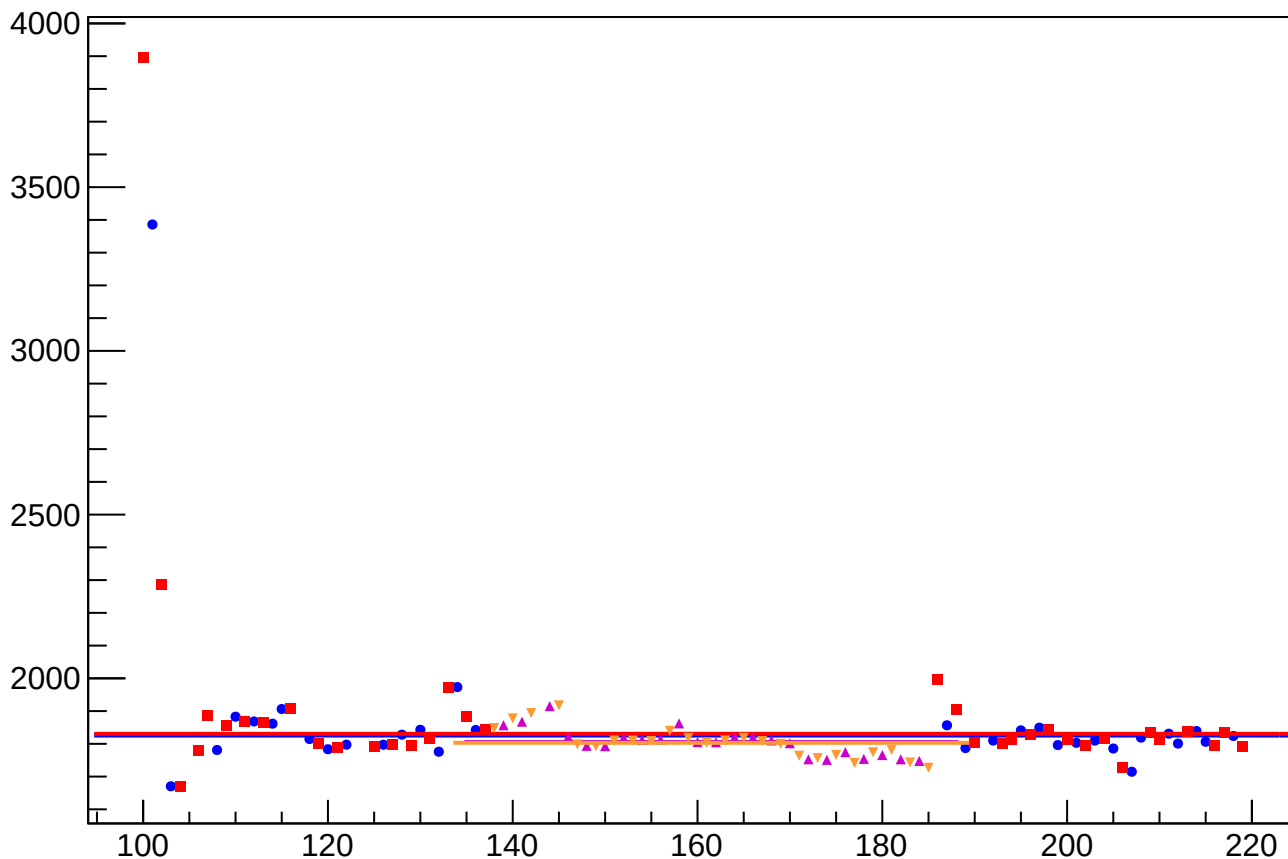
Left In: -4655.225 $\pm$ 421.691 χ^2 /NDF: 27.7/22

+ sign 3964.468 $\pm$ 292.100 χ^2 /NDF: 39.6/55

All: -127.667 $\pm$ 205.960 χ^2 /NDF: 488.2/113

- sign -4173.750 $\pm$ 290.452 χ^2 /NDF: 58.3/57

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1825.382 $\pm$ 0.288 χ^2 /NDF: 307931.7/31

Left Out: 1803.115 $\pm$ 0.296 χ^2 /NDF: 20641.1/23

Right Out: 1830.533 $\pm$ 0.283 χ^2 /NDF: 122705.2/34

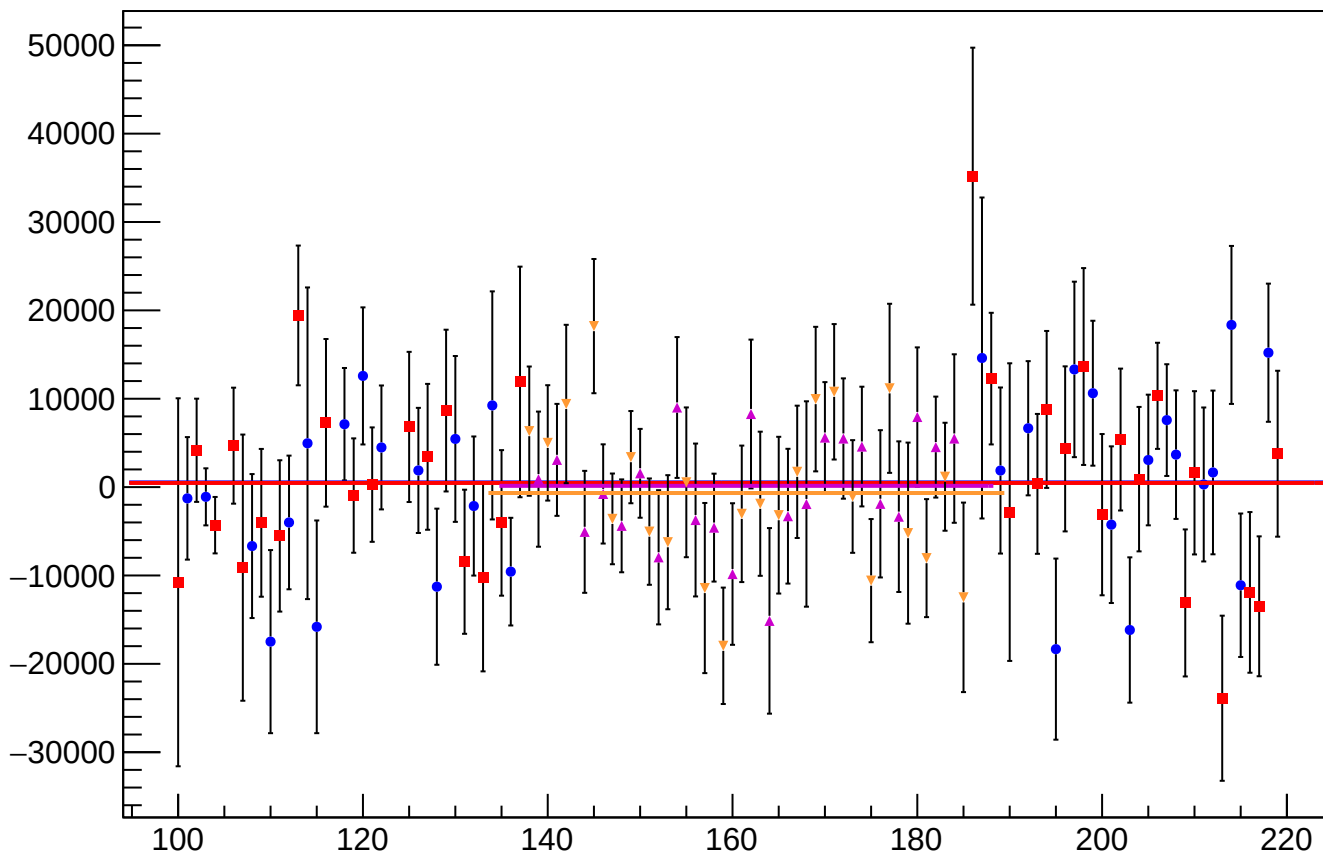
Left In: 1805.559 $\pm$ 0.298 χ^2 /NDF: 19314.6/22

+ sign 1814.541 $\pm$ 0.207 χ^2 /NDF: 331476.6/55

All: 1816.631 $\pm$ 0.146 χ^2 /NDF: 477390.4/113

- sign 1818.696 $\pm$ 0.205 χ^2 /NDF: 145710.1/57

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug



Right In: 529.737 $\pm$ 1350.296 χ^2 /NDF: 39.0/31

Left Out: -667.245 $\pm$ 1478.798 χ^2 /NDF:29.8/23

Right Out: 470.748 $\pm$ 1328.344 χ^2 /NDF: 44.1/34

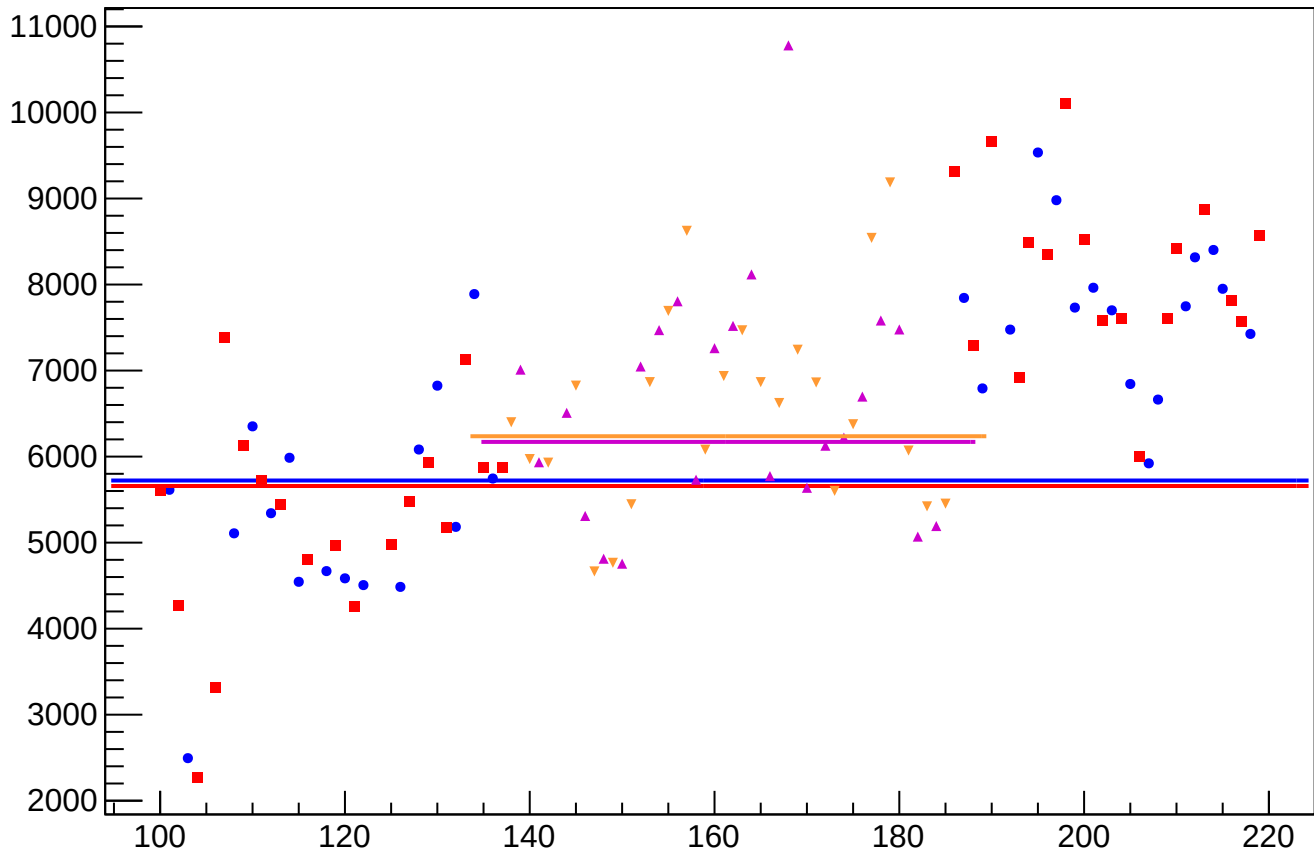
Left In: 143.369 $\pm$ 1471.371 χ^2 /NDF:13.6/22

+ sign -14.497 $\pm$ 997.144 χ^2 /NDF: 69.1/55

All: 156.525 $\pm$ 701.107 χ^2 /NDF: 126.9/113

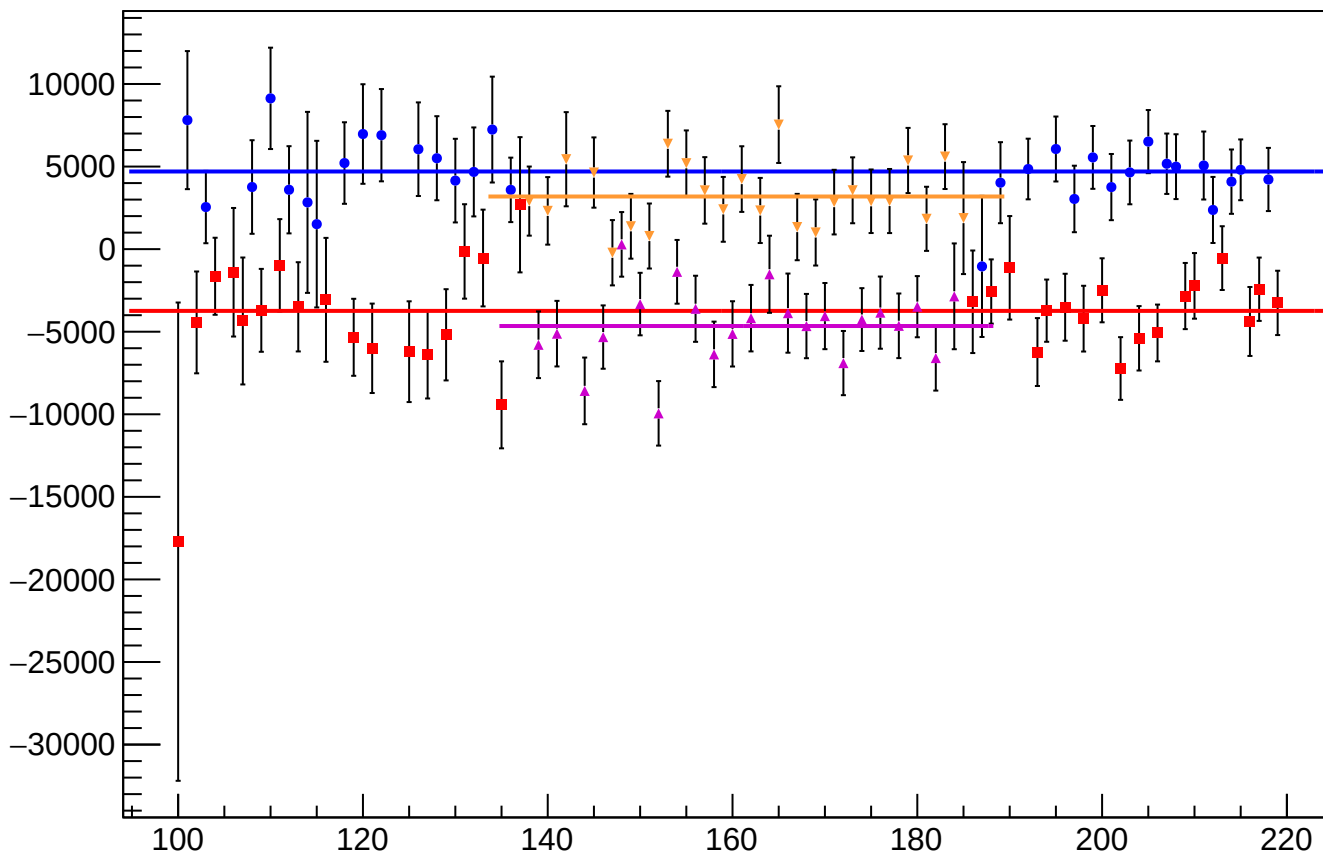
- sign 323.739 $\pm$ 985.979 χ^2 /NDF: 57.7/57

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 5722.071 ± 0.955	$\chi^2/\text{NDF}: 4146236.8/31$	+ sign 5956.029 ± 0.705	$\chi^2/\text{NDF}: 5345955.2/55$
Left Out: 6236.635 ± 1.046	$\chi^2/\text{NDF}: 1067665.4/23$		
Right Out: 5658.107 ± 0.939	$\chi^2/\text{NDF}: 5301326.1/34$	All: 5921.796 ± 0.496	$\chi^2/\text{NDF}: 12023289.6/100$
Left In: 6170.789 ± 1.040	$\chi^2/\text{NDF}: 1237564.5/22$	- sign 5888.325 ± 0.697	$\chi^2/\text{NDF}: 6672672.3/57$

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4702.134+/-407.777 χ^2/NDF : 13.0/31

Left Out: 3187.056+/-418.619 χ^2/NDF : 19.9/23

Right Out: -3739.153+/-400.638 χ^2/NDF : 28.1/34

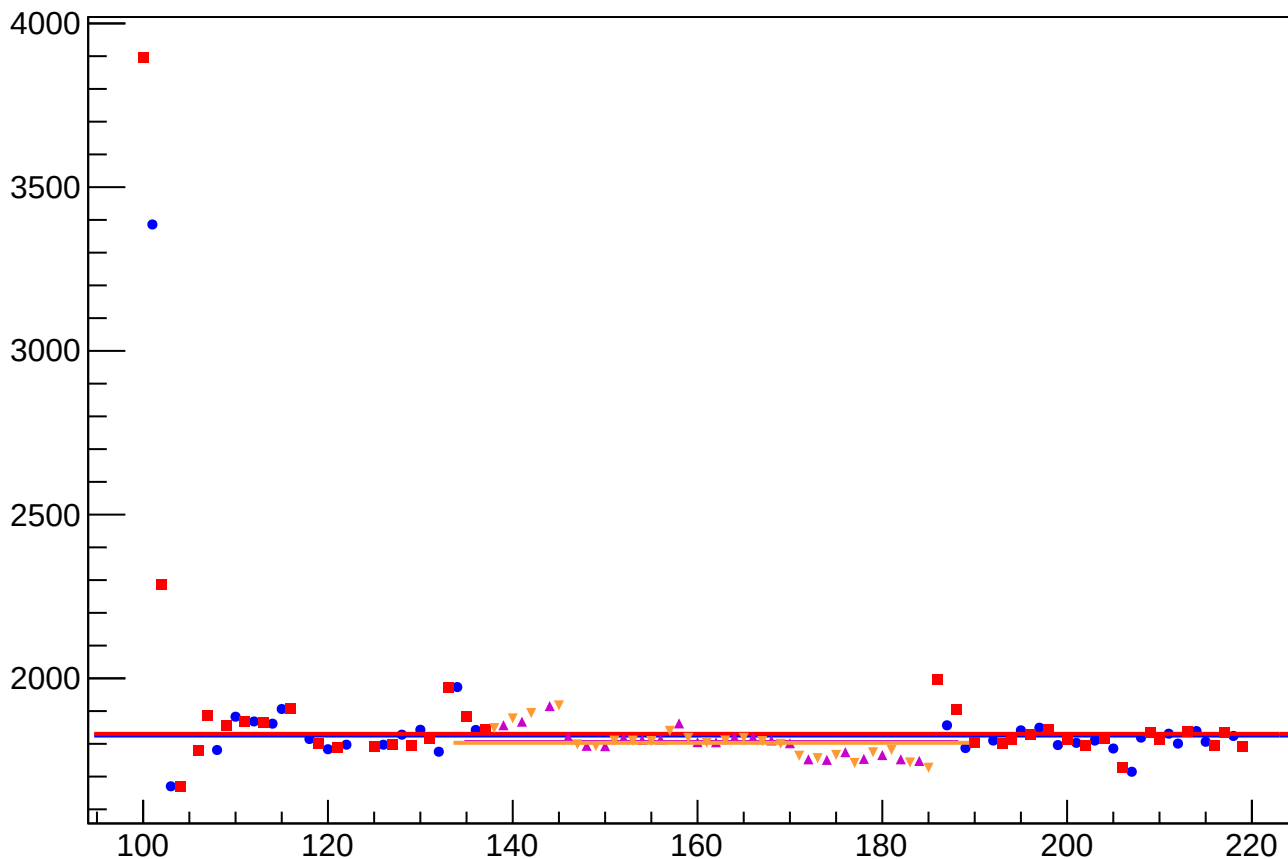
Left In: -4655.225+/-421.691 χ^2/NDF : 27.7/22

+ sign 3964.468+/-292.100 χ^2/NDF : 39.6/55

All: -127.667+/-205.960 χ^2/NDF : 488.2/113

- sign -4173.750+/-290.452 χ^2/NDF : 58.3/57

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1825.382 $\pm$ 0.288 χ^2 /NDF: 307931.7/31

Left Out: 1803.115 $\pm$ 0.296 χ^2 /NDF: 20641.1/23

Right Out: 1830.533 $\pm$ 0.283 χ^2 /NDF: 122705.2/34

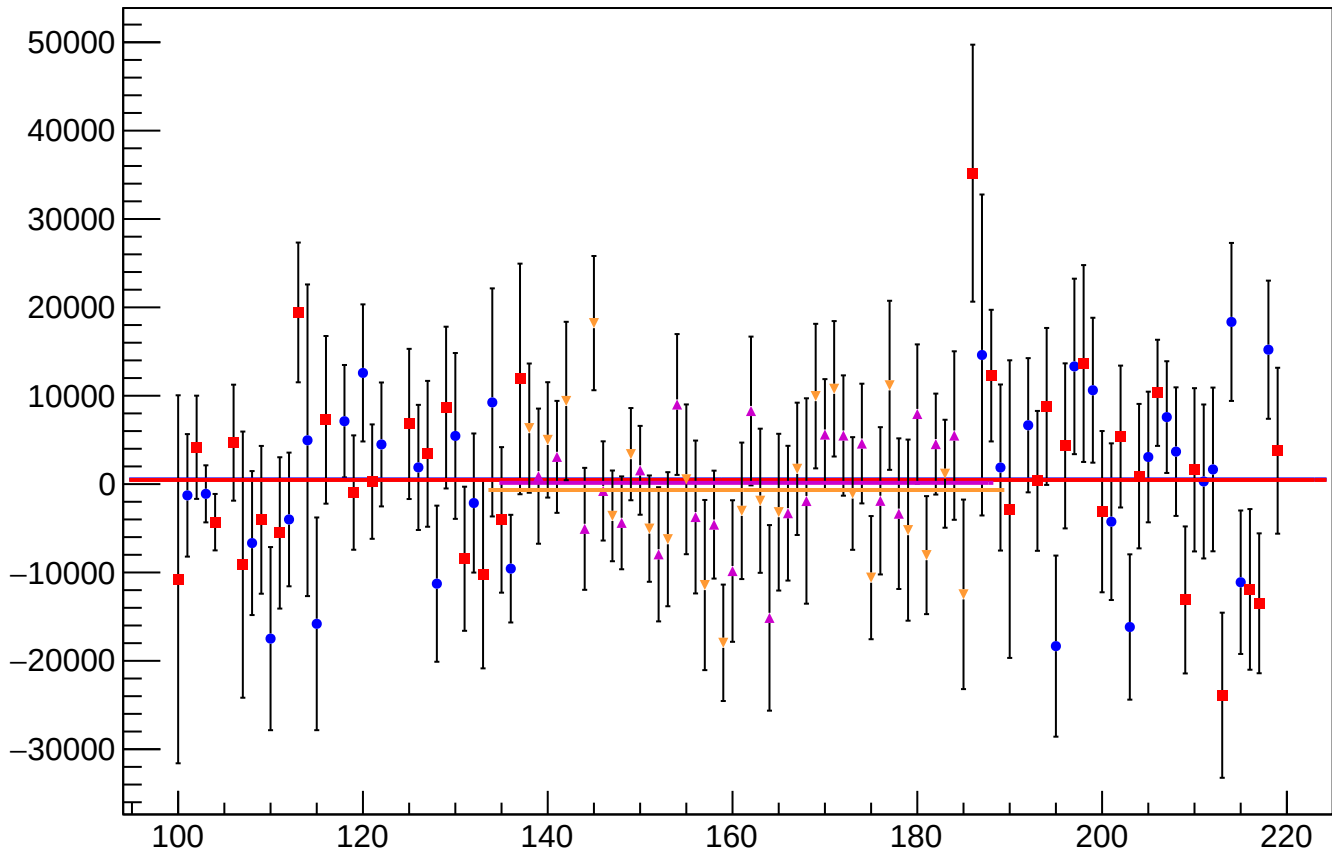
Left In: 1805.559 $\pm$ 0.298 χ^2 /NDF: 19314.6/22

+ sign 1814.541 $\pm$ 0.207 χ^2 /NDF: 331476.6/55

All: 1816.631 $\pm$ 0.146 χ^2 /NDF: 477390.4/113

- sign 1818.696 $\pm$ 0.205 χ^2 /NDF: 145710.1/57

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: 529.737+/-1350.296 χ^2/NDF : 39.0/31

Left Out: -667.245+/-1478.798 χ^2/NDF : 29.8/23

Right Out: 470.748+/-1328.344 χ^2/NDF : 44.1/34

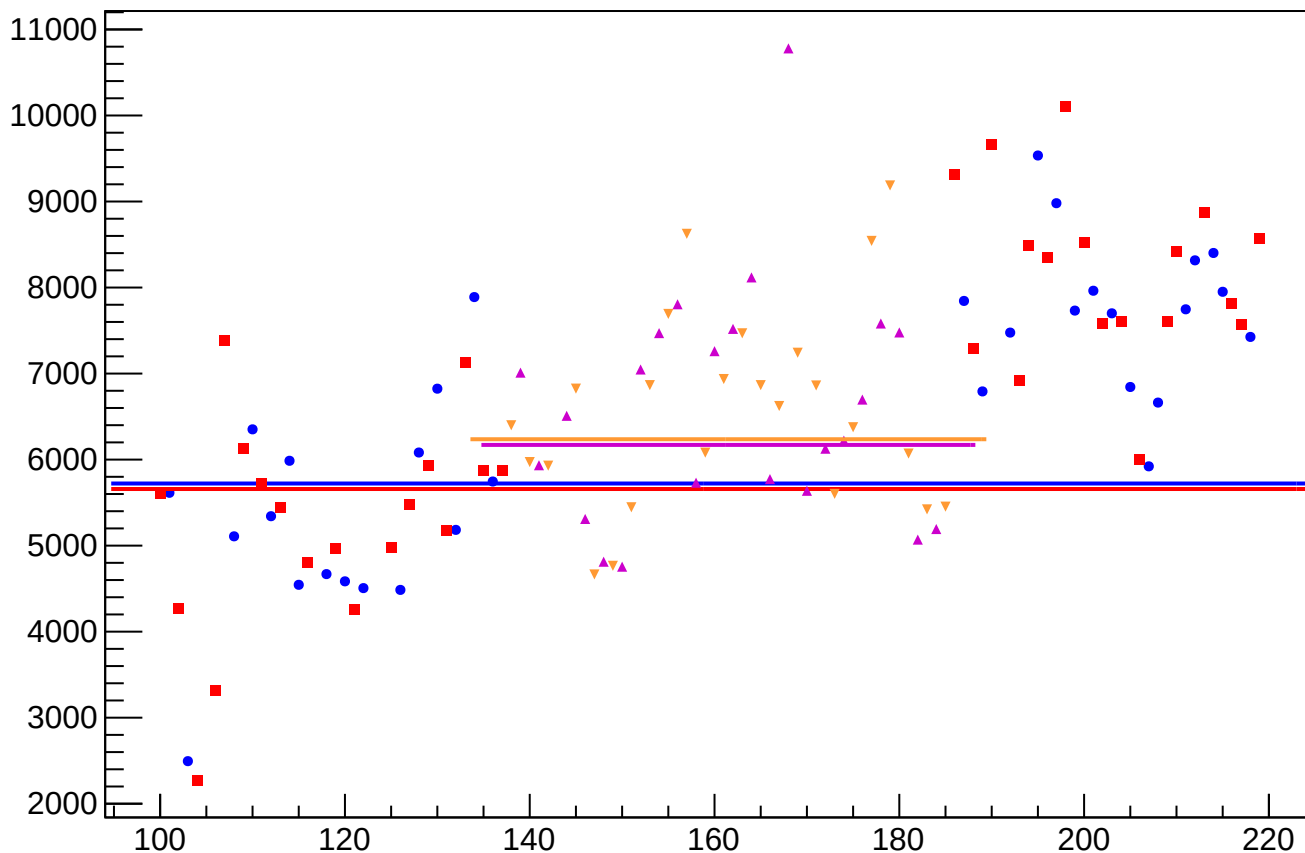
Left In: 143.369+/-1471.371 χ^2/NDF : 13.6/22

+ sign -14.497+/-997.144 χ^2/NDF : 69.1/55

All: 156.525+/-701.107 χ^2/NDF : 126.9/113

- sign 323.739+/-985.979 χ^2/NDF : 57.7/57

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 5722.071+/-0.955 χ^2/NDF : 4146236.8/31

Left Out: 6236.635+/-1.046 χ^2/NDF :1067665.4/23

Right Out: 5658.107+/-0.939 χ^2/NDF : 5301326.1/34

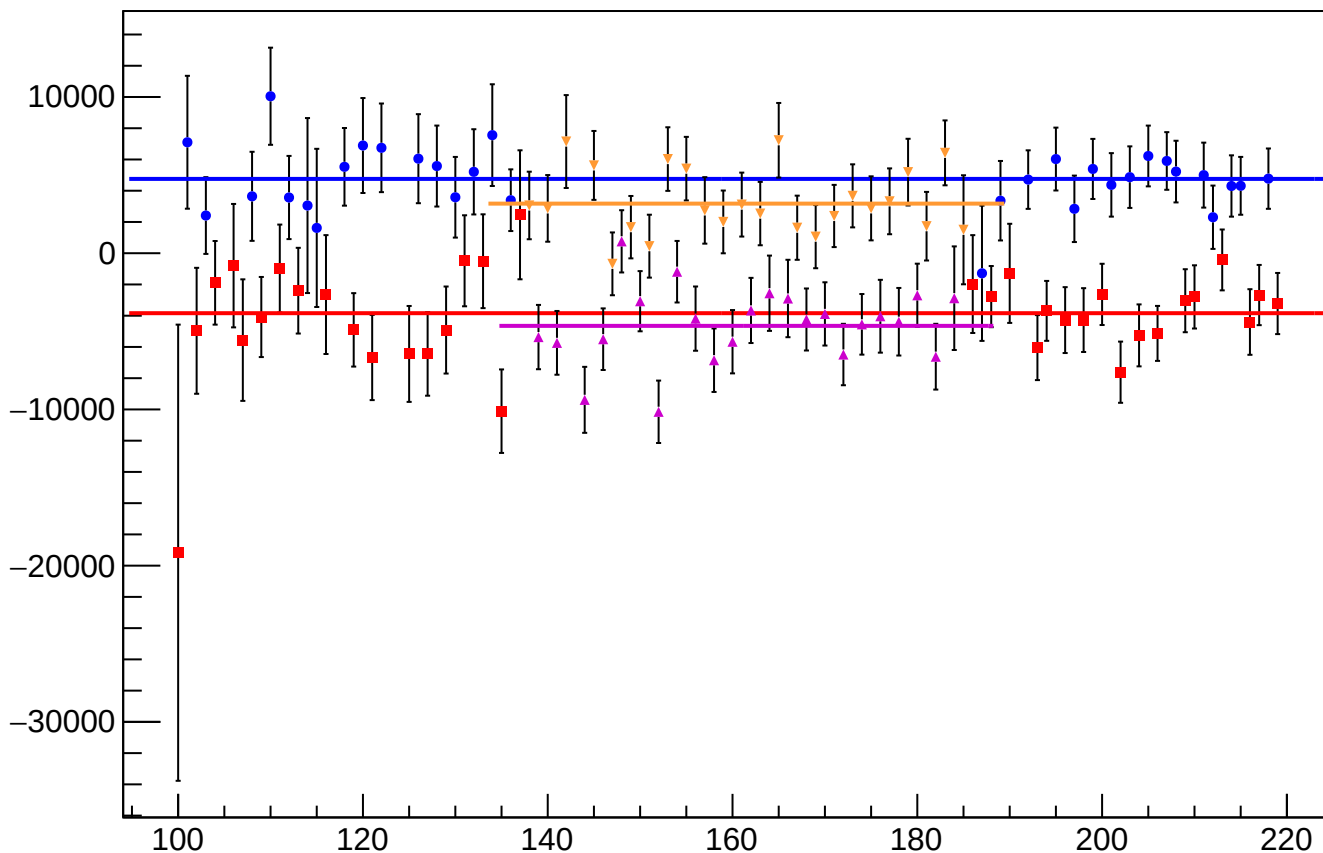
Left In: 6170.789+/-1.040 χ^2/NDF :1237564.5/22

+ sign 5956.029+/-0.705 χ^2/NDF : 5345955.2/55

All: 5921.796+/-0.496 χ^2/NDF : 12023289.6/100

- sign 5888.325+/-0.697 χ^2/NDF : 6672672.3/57

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4757.050 $\pm$ 415.190 χ^2 /NDF: 14.0/31

Left Out: 3174.550 $\pm$ 434.815 χ^2 /NDF: 21.6/23

Right Out: -3838.782 $\pm$ 409.183 χ^2 /NDF: 29.1/34

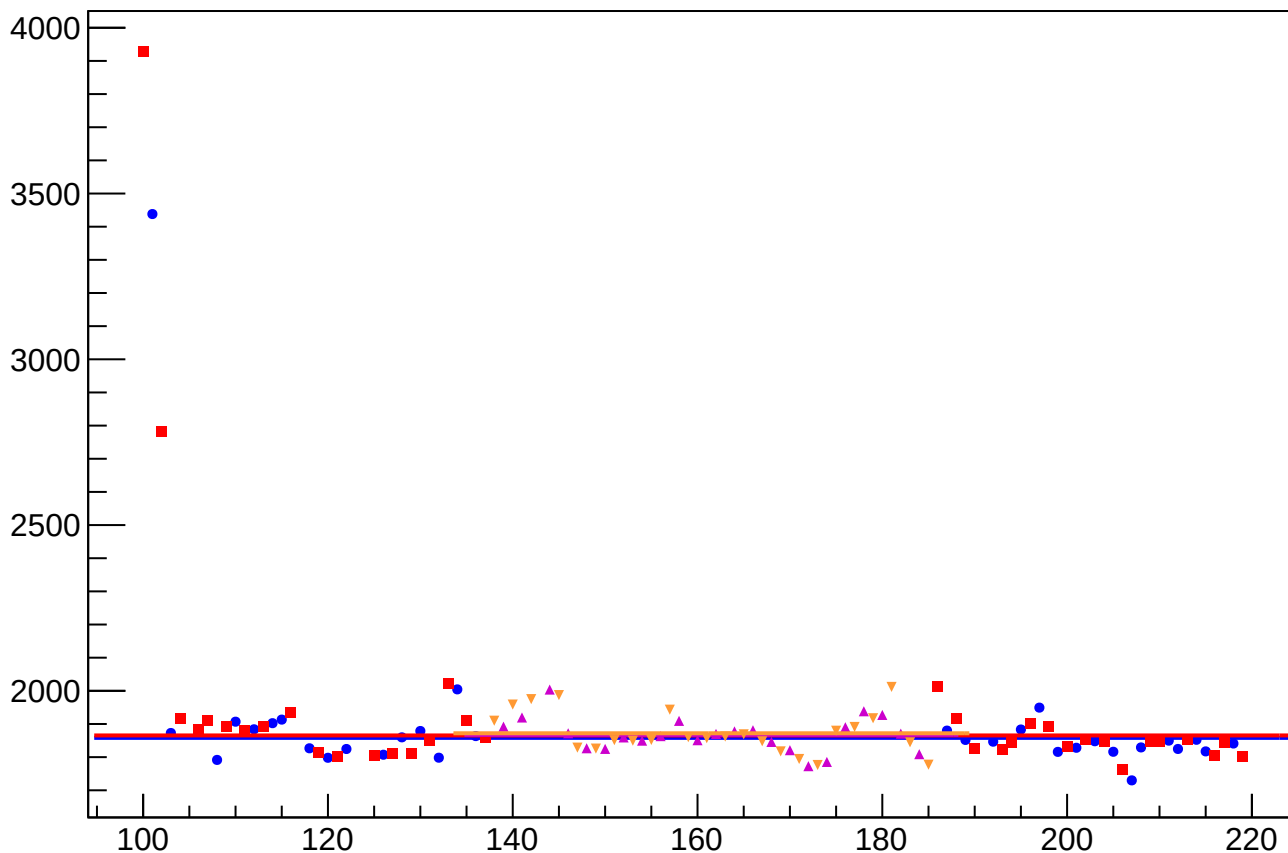
Left In: -4650.461 $\pm$ 436.198 χ^2 /NDF: 30.5/22

+ sign 4002.318 $\pm$ 300.282 χ^2 /NDF: 42.5/55

All: -133.631 $\pm$ 211.673 χ^2 /NDF: 481.1/113

- sign -4218.709 $\pm$ 298.430 χ^2 /NDF: 61.5/57

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1858.175 $\pm$ 0.294 χ^2 /NDF: 303670.3/31

Left Out: 1871.979 $\pm$ 0.307 χ^2 /NDF: 37154.8/23

Right Out: 1865.448 $\pm$ 0.289 χ^2 /NDF: 175914.5/34

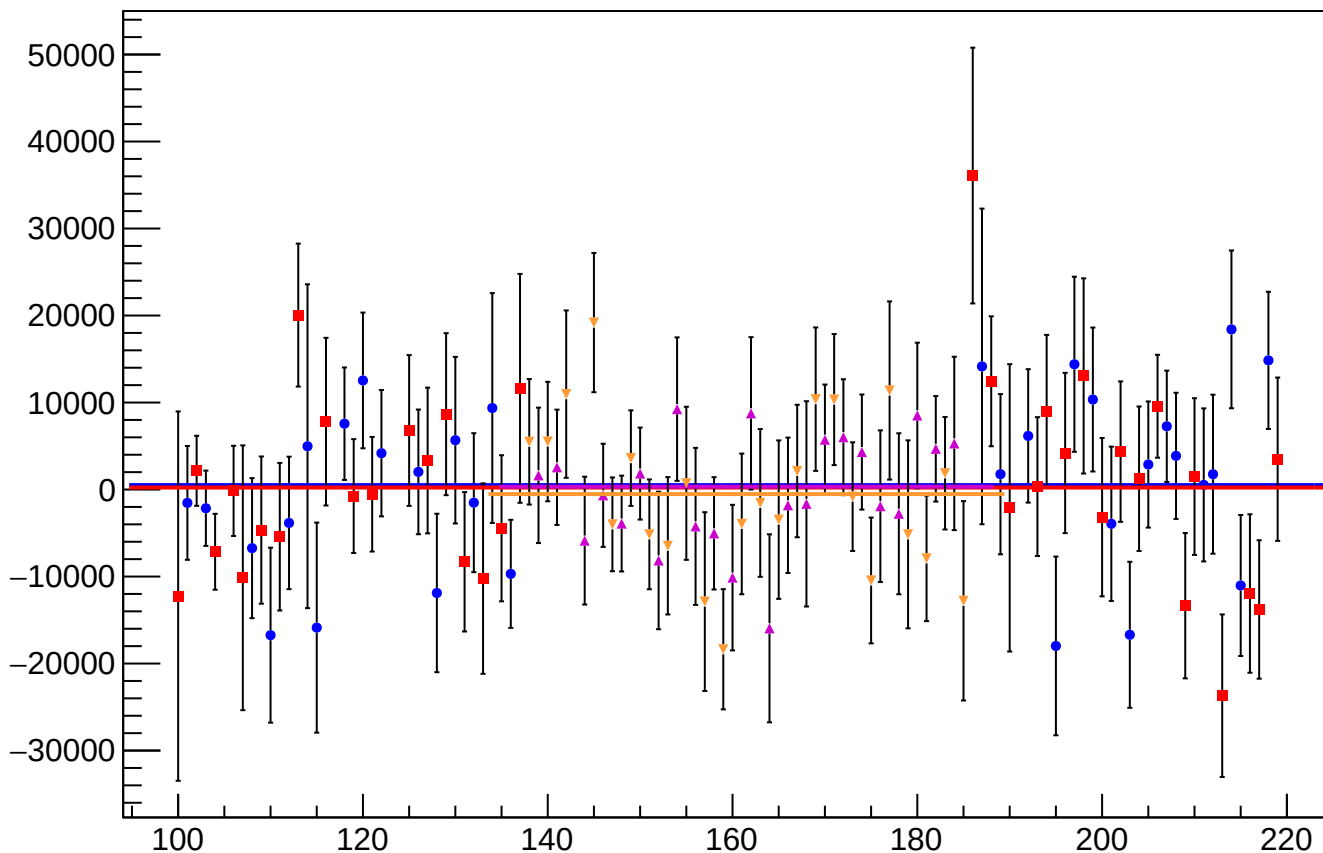
Left In: 1867.079 $\pm$ 0.308 χ^2 /NDF: 27246.7/22

+ sign 1864.759 $\pm$ 0.212 χ^2 /NDF: 341879.6/55

All: 1865.490 $\pm$ 0.150 χ^2 /NDF: 545079.2/113

- sign 1866.211 $\pm$ 0.211 χ^2 /NDF: 203176.0/57

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug



Right In: 509.797 $\pm$ 1411.740 χ^2 /NDF: 38.5/31

Left Out: -520.262 $\pm$ 1536.784 χ^2 /NDF:29.2/23

Right Out: 229.762 $\pm$ 1332.211 χ^2 /NDF: 44.1/34

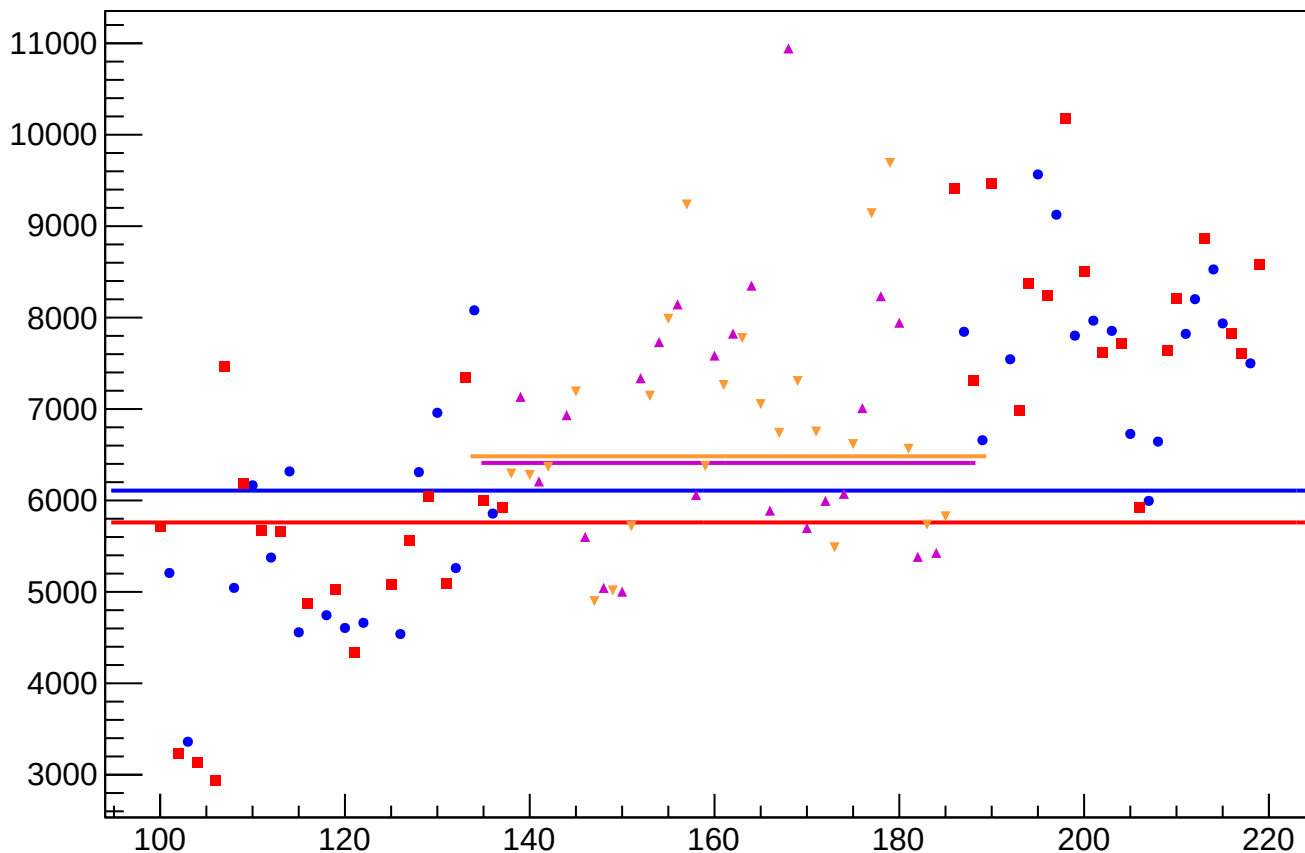
Left In: 324.625 $\pm$ 1527.995 χ^2 /NDF:13.4/22

+ sign 38.373 $\pm$ 1039.651 χ^2 /NDF: 67.9/55

All: 158.587 $\pm$ 722.265 χ^2 /NDF: 125.5/113

- sign 270.730 $\pm$ 1004.148 χ^2 /NDF: 57.5/57

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 6107.747 $\pm$ 0.998 χ^2 /NDF: 2629759.6/31

Left Out: 6482.730 $\pm$ 1.087 χ^2 /NDF: 1074584.9/23

Right Out: 5759.410 $\pm$ 0.942 χ^2 /NDF: 4602221.9/34

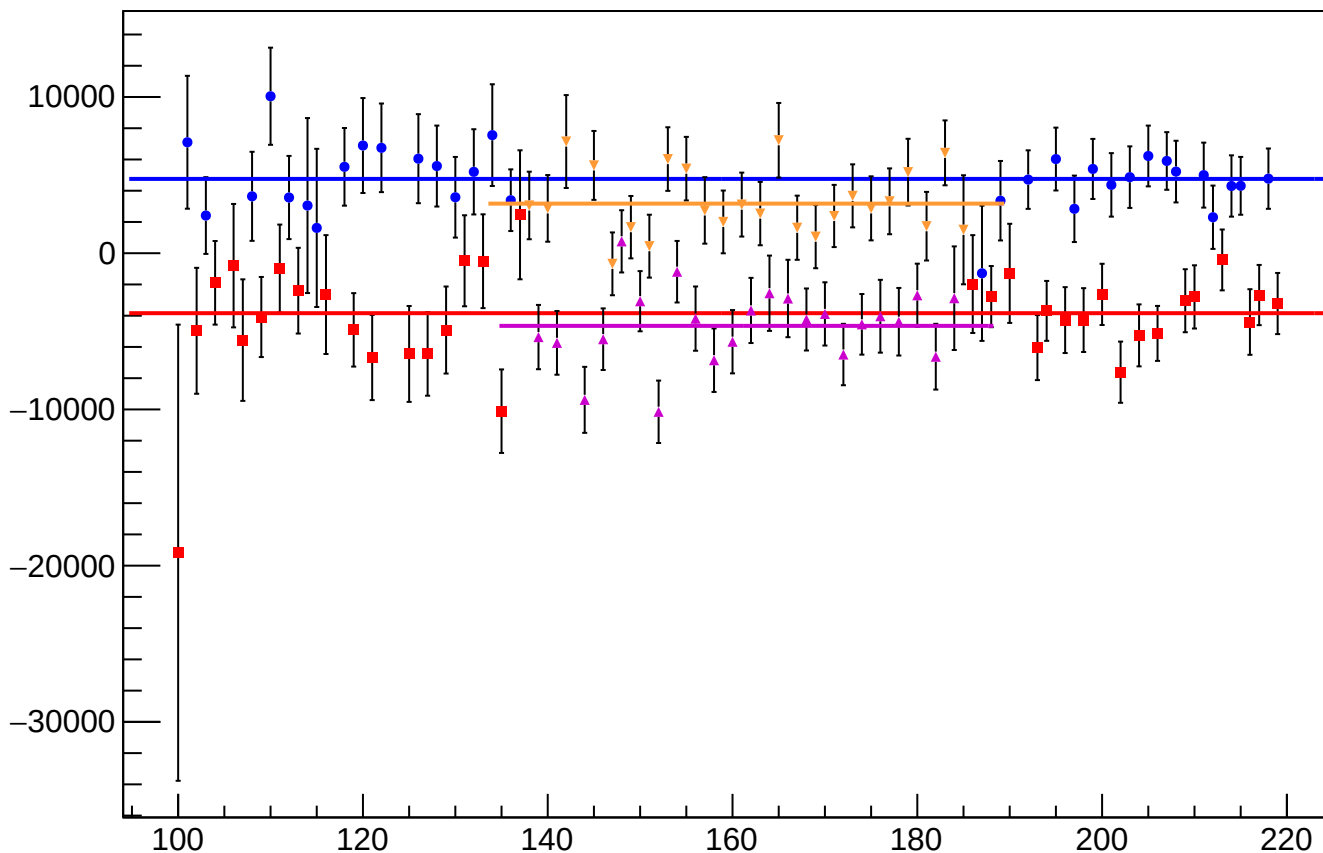
Left In: 6410.419 $\pm$ 1.080 χ^2 /NDF: 1219830.0/22

+ sign 6279.364 $\pm$ 0.735 χ^2 /NDF: 3768923.6/55

All: 6155.815 $\pm$ 0.511 χ^2 /NDF: 9851825.8/11

- sign 6040.560 $\pm$ 0.710 χ^2 /NDF: 6028309.1/57

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4757.047 $\pm$ 415.190 χ^2/NDF : 14.0/31

Left Out: 3174.543 $\pm$ 434.815 χ^2/NDF : 21.6/23

Right Out: -3838.781 $\pm$ 409.182 χ^2/NDF : 29.1/34

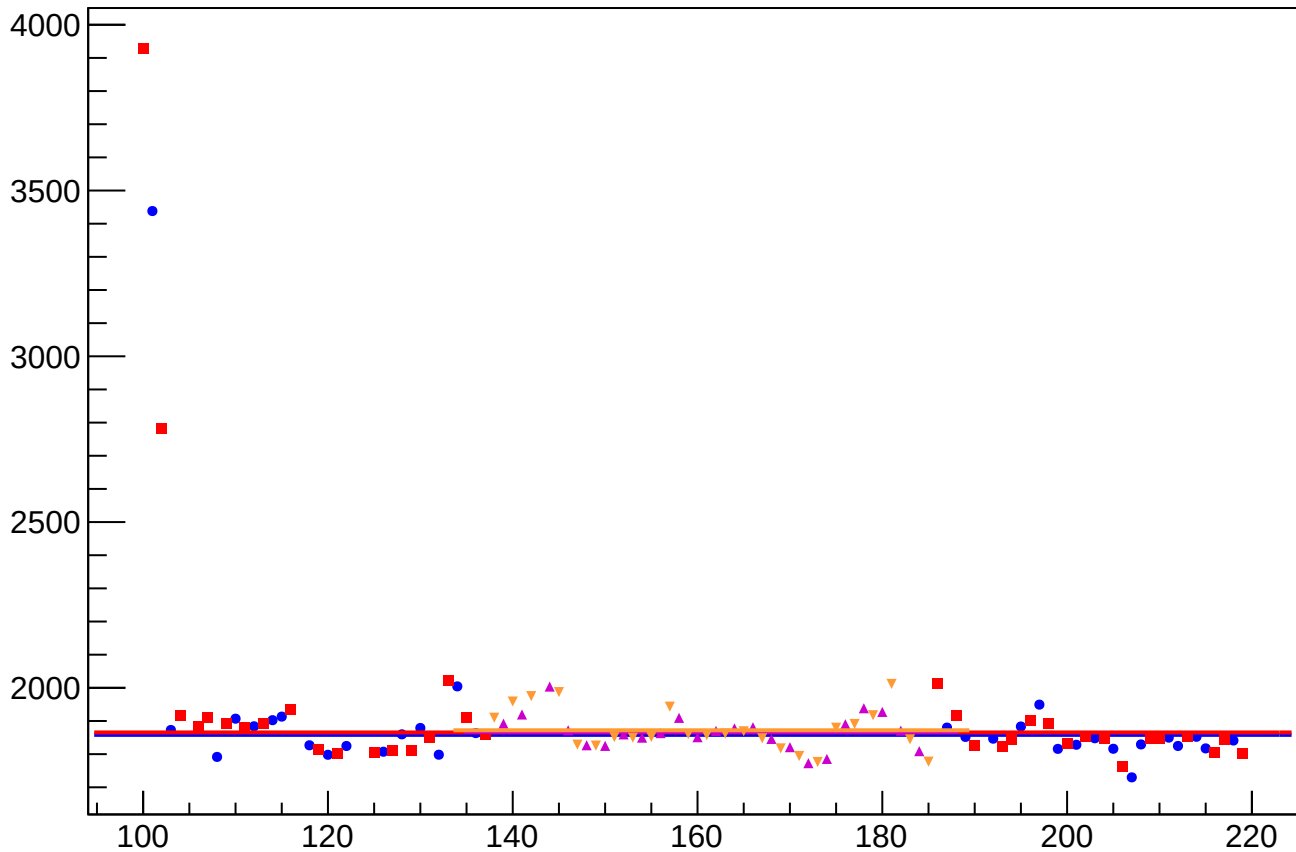
Left In: -4650.462 $\pm$ 436.198 χ^2/NDF : 30.5/22

+ sign 4002.314 $\pm$ 300.282 χ^2/NDF : 42.5/55

All: -133.633 $\pm$ 211.674 χ^2/NDF : 481.1/113

- sign -4218.709 $\pm$ 298.430 χ^2/NDF : 61.5/57

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1858.175 ± 0.294 χ^2/NDF : 303670.3/31

Left Out: 1871.981 ± 0.307 χ^2/NDF : 37155.9/23

Right Out: 1865.448 ± 0.289 χ^2/NDF : 175913.6/34

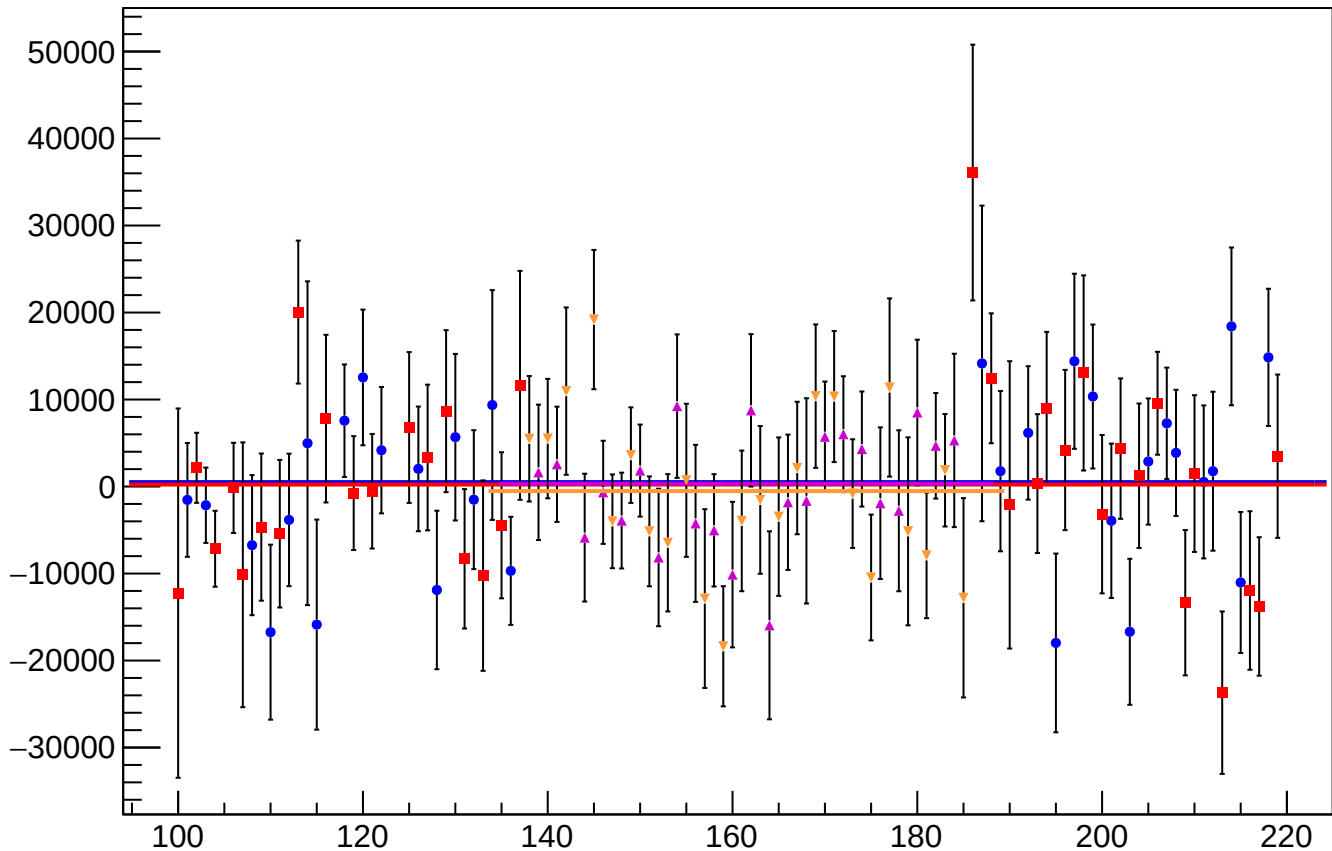
Left In: 1867.080 ± 0.308 χ^2/NDF : 27247.8/22

+ sign 1864.759 ± 0.212 χ^2/NDF : 341880.9/55

All: 1865.490 ± 0.150 χ^2/NDF : 545080.8/113

- sign 1866.212 ± 0.211 χ^2/NDF : 203176.3/57

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: 509.797 $\pm$ 1411.739 χ^2 /NDF: 38.5/31

Left Out: -520.268 $\pm$ 1536.787 χ^2 /NDF:29.2/23

Right Out: 229.758 $\pm$ 1332.209 χ^2 /NDF: 44.1/34

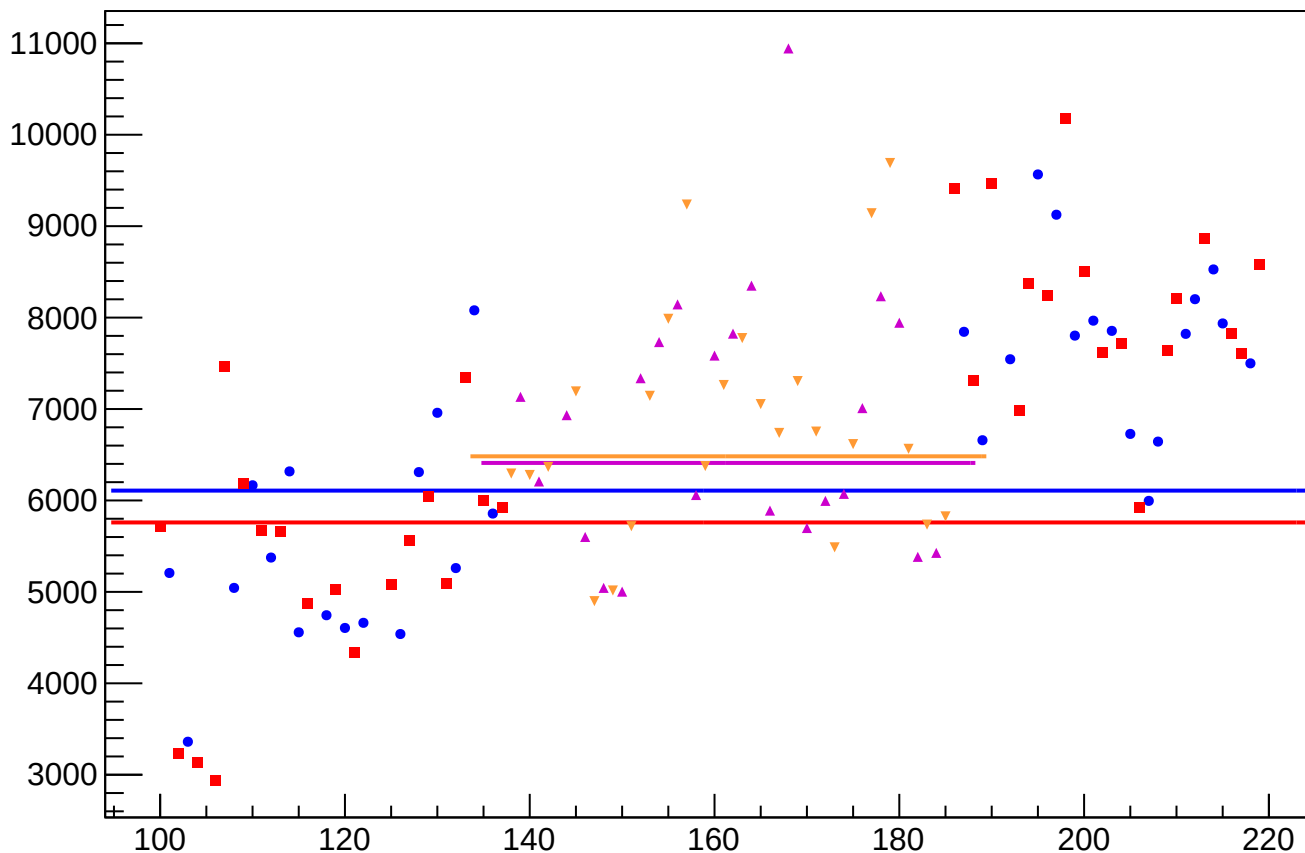
Left In: 324.626 $\pm$ 1527.998 χ^2 /NDF:13.4/22

+ sign 38.371 $\pm$ 1039.652 χ^2 /NDF: 67.9/55

All: 158.585 $\pm$ 722.265 χ^2 /NDF: 125.5/113

- sign 270.728 $\pm$ 1004.148 χ^2 /NDF: 57.5/57

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 6107.741+/-0.998 χ^2/NDF : 2629795.3/31

Left Out: 6482.740+/-1.087 χ^2/NDF : 1074587.3/23

Right Out: 5759.401+/-0.942 χ^2/NDF : 4602260.6/34

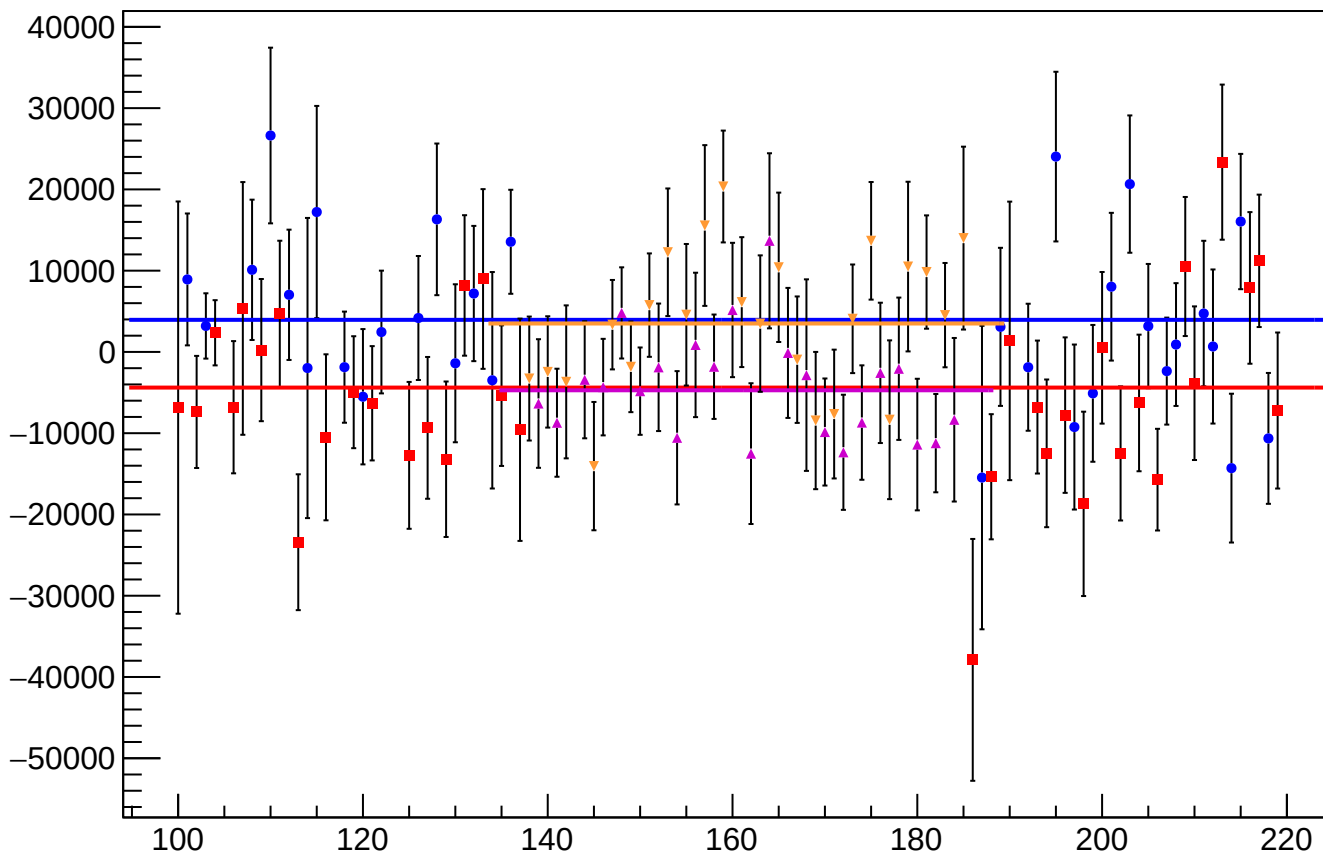
Left In: 6410.429+/-1.080 χ^2/NDF : 1219833.0/22

+ sign 6279.365+/-0.735 χ^2/NDF : 3768967.6/55

All: 6155.815+/-0.511 χ^2/NDF : 9851924.4/11

- sign 6040.559+/-0.710 χ^2/NDF : 6028362.7/57

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 3949.443 $\pm$ 1454.791 χ^2 /NDF: 36.3/31

Left Out: 3497.162 $\pm$ 1545.839 χ^2 /NDF: 27.5/23

Right Out: -4386.970 $\pm$ 1442.240 χ^2 /NDF: 47.5/34

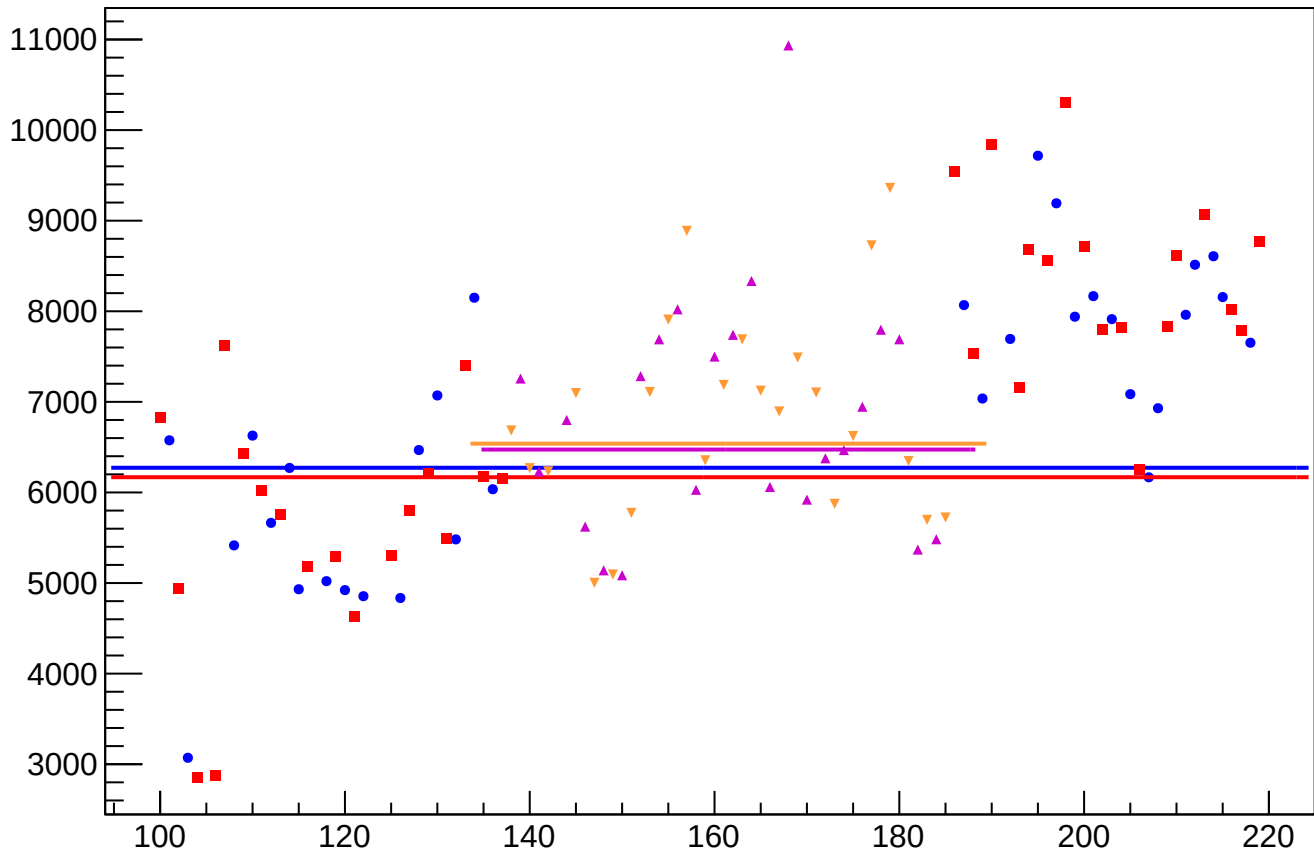
Left In: -4719.535 $\pm$ 1539.177 χ^2 /NDF: 14.3/22

+ sign 3737.013 $\pm$ 1059.419 χ^2 /NDF: 63.8/55

All: -430.158 $\pm$ 746.635 χ^2 /NDF: 156.4/113

- sign -4542.451 $\pm$ 1052.420 χ^2 /NDF: 61.8/57

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 6272.562+/-1.029 χ^2/NDF : 2895829.3/31

Left Out: 6538.706+/-1.093 χ^2/NDF : 920612.0/23

+ sign 6397.565+/-0.749 χ^2/NDF : 3847880.6/55

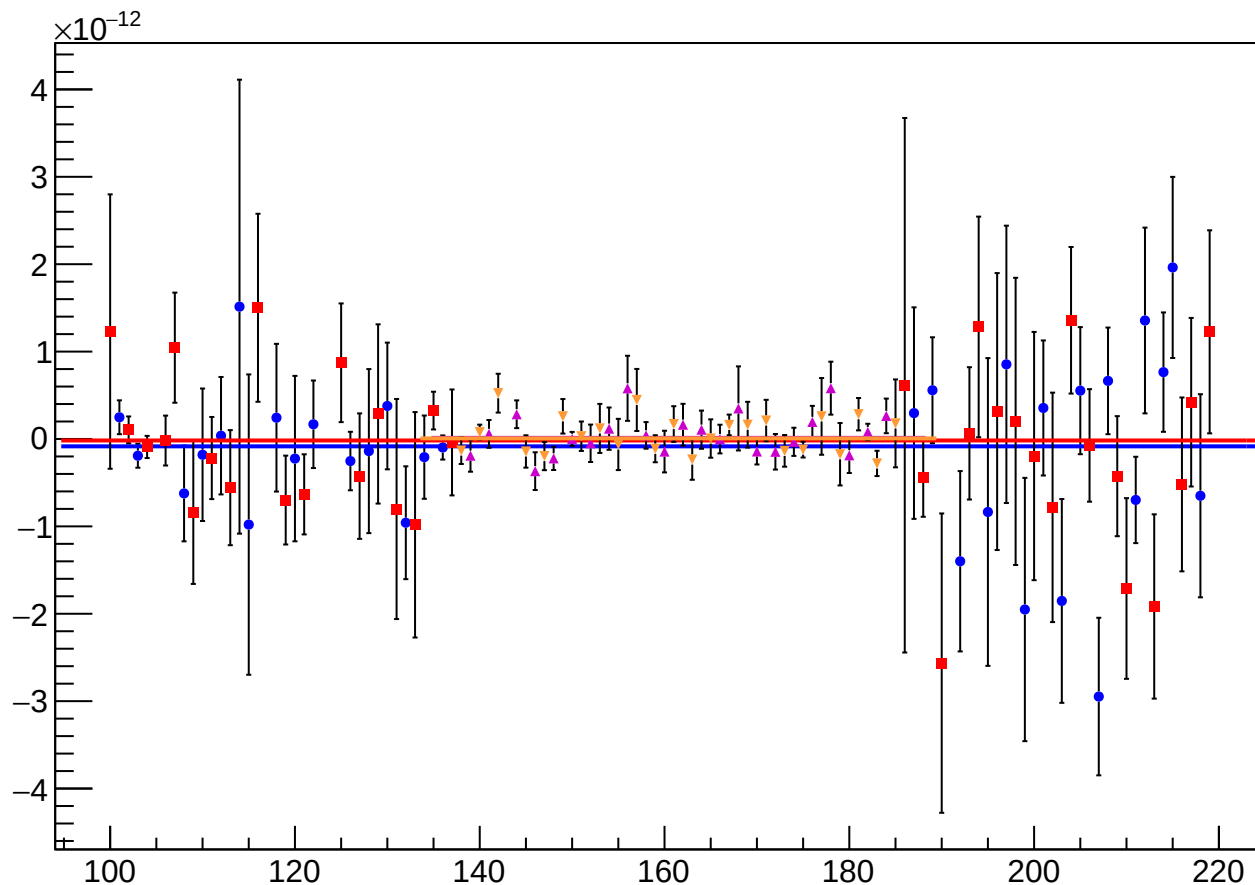
Right Out: 6168.248+/-1.008 χ^2/NDF : 4066943.6/34

All: 6352.813+/-0.526 χ^2/NDF : 9035962.9/11

Left In: 6473.481+/-1.088 χ^2/NDF : 1071757.3/22

- sign 6309.193+/-0.740 χ^2/NDF : 5181034.9/57

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 37.2/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 32.7/34

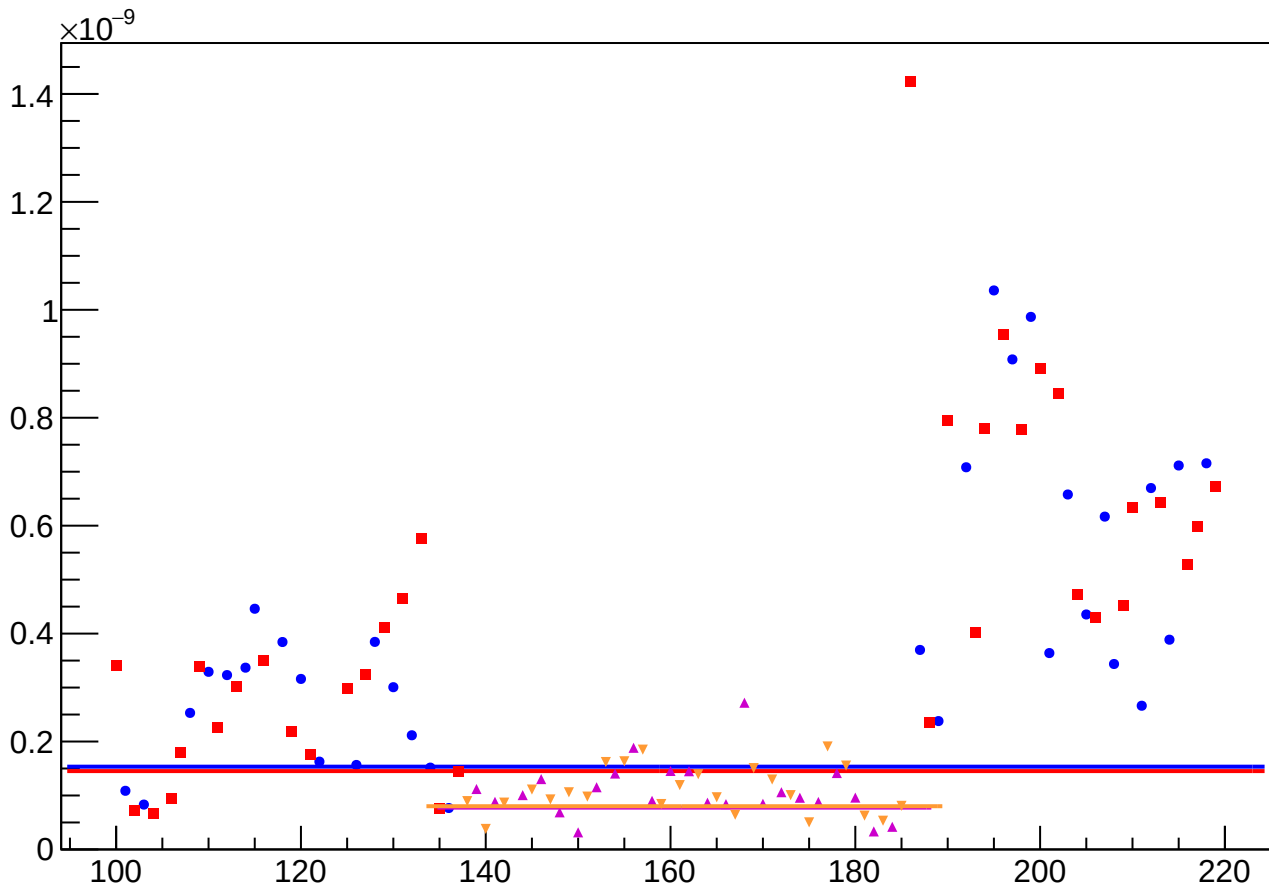
Left In: 0.000 ± 0.000 χ^2/NDF : 24.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 65.6/55

All: -0.000 ± 0.000 χ^2/NDF : 122.5/113

- sign 0.000 ± 0.000 χ^2/NDF : 56.8/57

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7700173.8/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9186377.4/34

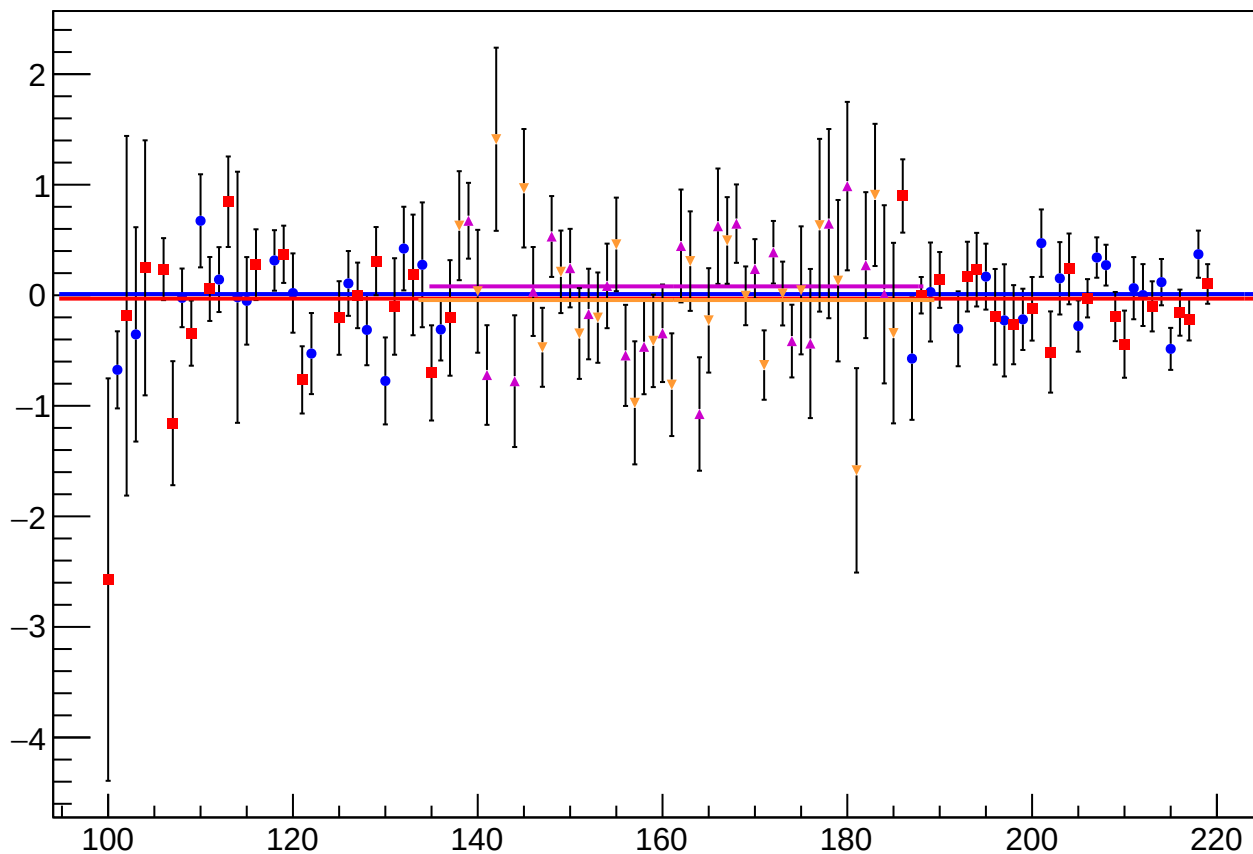
Left In: 0.000+/-0.000 χ^2/NDF : 2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 11491715.6/55

All: 0.000+/-0.000 χ^2/NDF : 24745471.8/113

- sign 0.000+/-0.000 χ^2/NDF : 13237873.0/57

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 ± 0.052 χ^2/NDF : 40.4/31

Left Out: -0.043 ± 0.090 χ^2/NDF : 31.0/23

Right Out: -0.030 ± 0.049 χ^2/NDF : 43.0/34

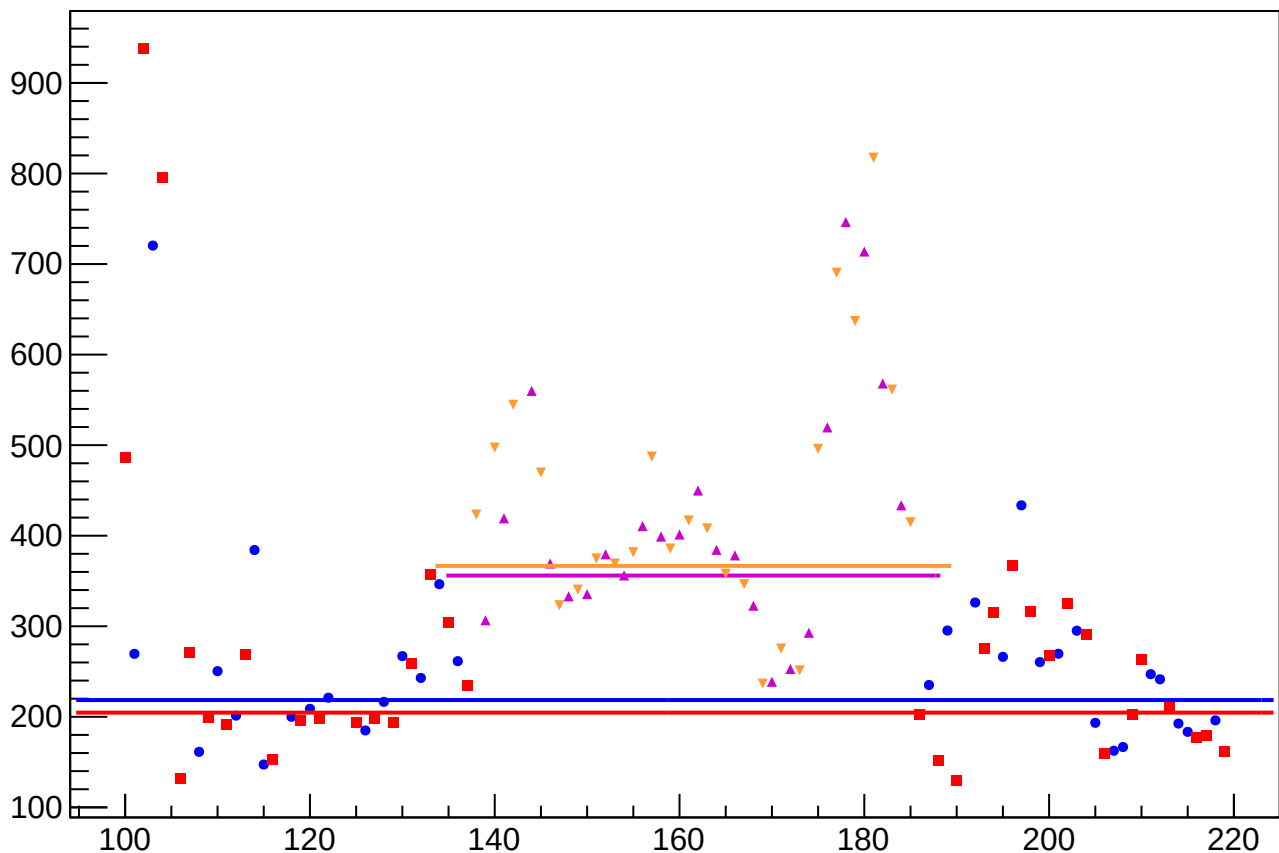
Left In: 0.080 ± 0.088 χ^2/NDF : 30.3/22

+ sign -0.003 ± 0.045 χ^2/NDF : 71.6/55

All: -0.004 ± 0.031 χ^2/NDF : 146.1/113

- sign -0.004 ± 0.043 χ^2/NDF : 74.5/57

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 218.508 $\pm$ 0.037 χ^2 /NDF: 2432429.9/31

Left Out: 366.670 $\pm$ 0.064 χ^2 /NDF: 2841071.8/23

Right Out: 204.631 $\pm$ 0.035 χ^2 /NDF: 3594255.9/34

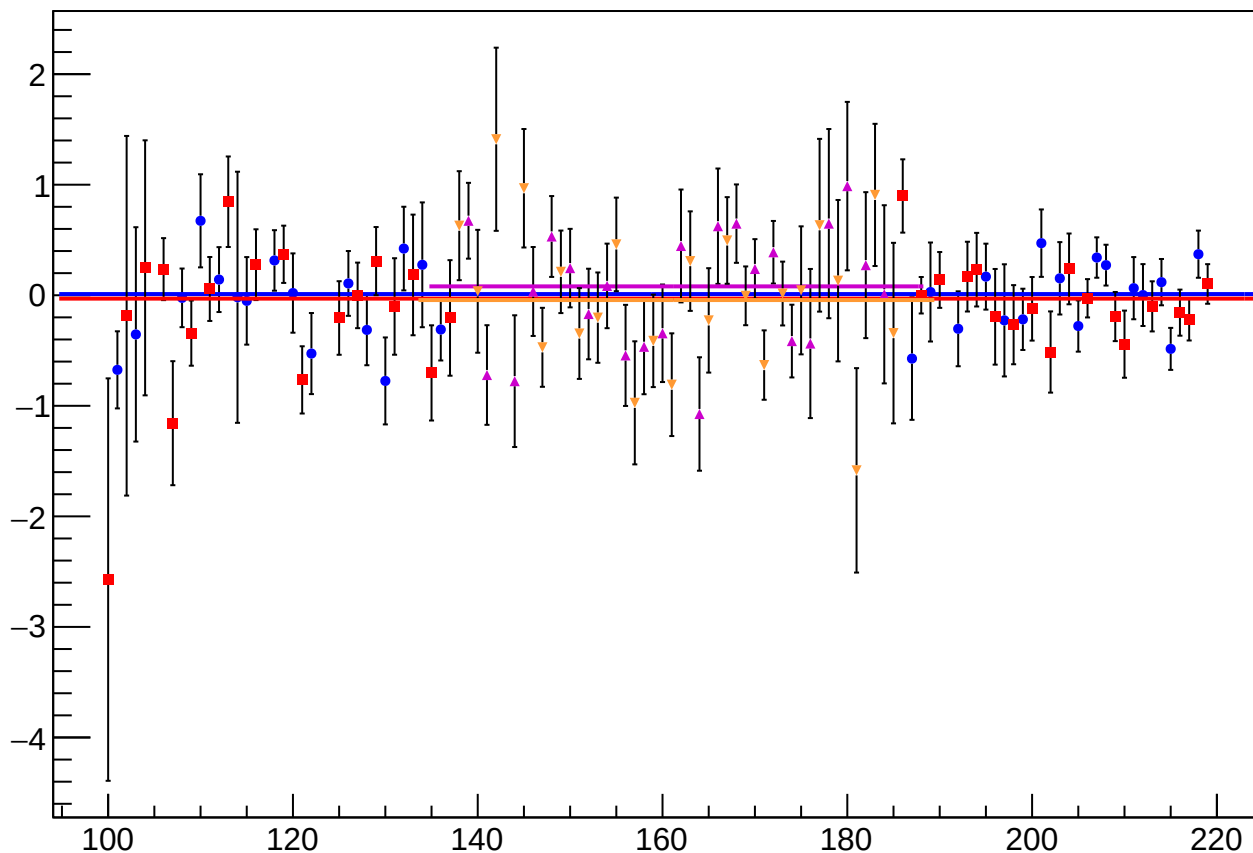
Left In: 355.992 $\pm$ 0.062 χ^2 /NDF: 2420701.1/22

+ sign 255.428 $\pm$ 0.032 χ^2 /NDF: 9302156.9/55

All: 247.482 $\pm$ 0.022 χ^2 /NDF: 19977329.4/11

- sign 240.389 $\pm$ 0.030 χ^2 /NDF: 10557949.2/57

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 ± 0.052 χ^2/NDF : 40.4/31

Left Out: -0.043 ± 0.090 χ^2/NDF : 31.0/23

Right Out: -0.030 ± 0.049 χ^2/NDF : 43.0/34

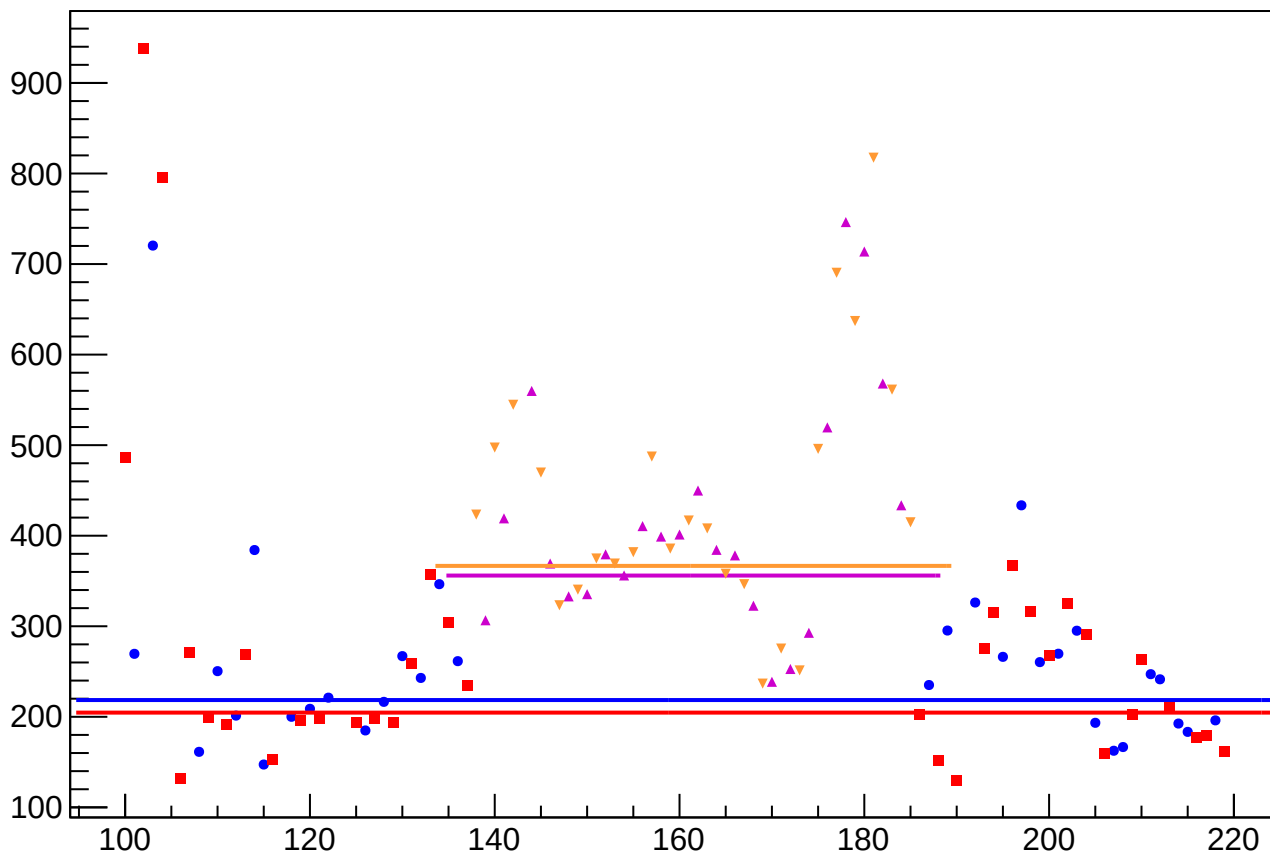
Left In: 0.080 ± 0.088 χ^2/NDF : 30.3/22

+ sign -0.003 ± 0.045 χ^2/NDF : 71.6/55

All: -0.004 ± 0.031 χ^2/NDF : 146.1/113

- sign -0.004 ± 0.043 χ^2/NDF : 74.5/57

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 218.508 $\pm$ 0.037 χ^2 /NDF: 2432429.9/31

Left Out: 366.670 $\pm$ 0.064 χ^2 /NDF: 2841071.8/23

Right Out: 204.631 $\pm$ 0.035 χ^2 /NDF: 3594255.9/34

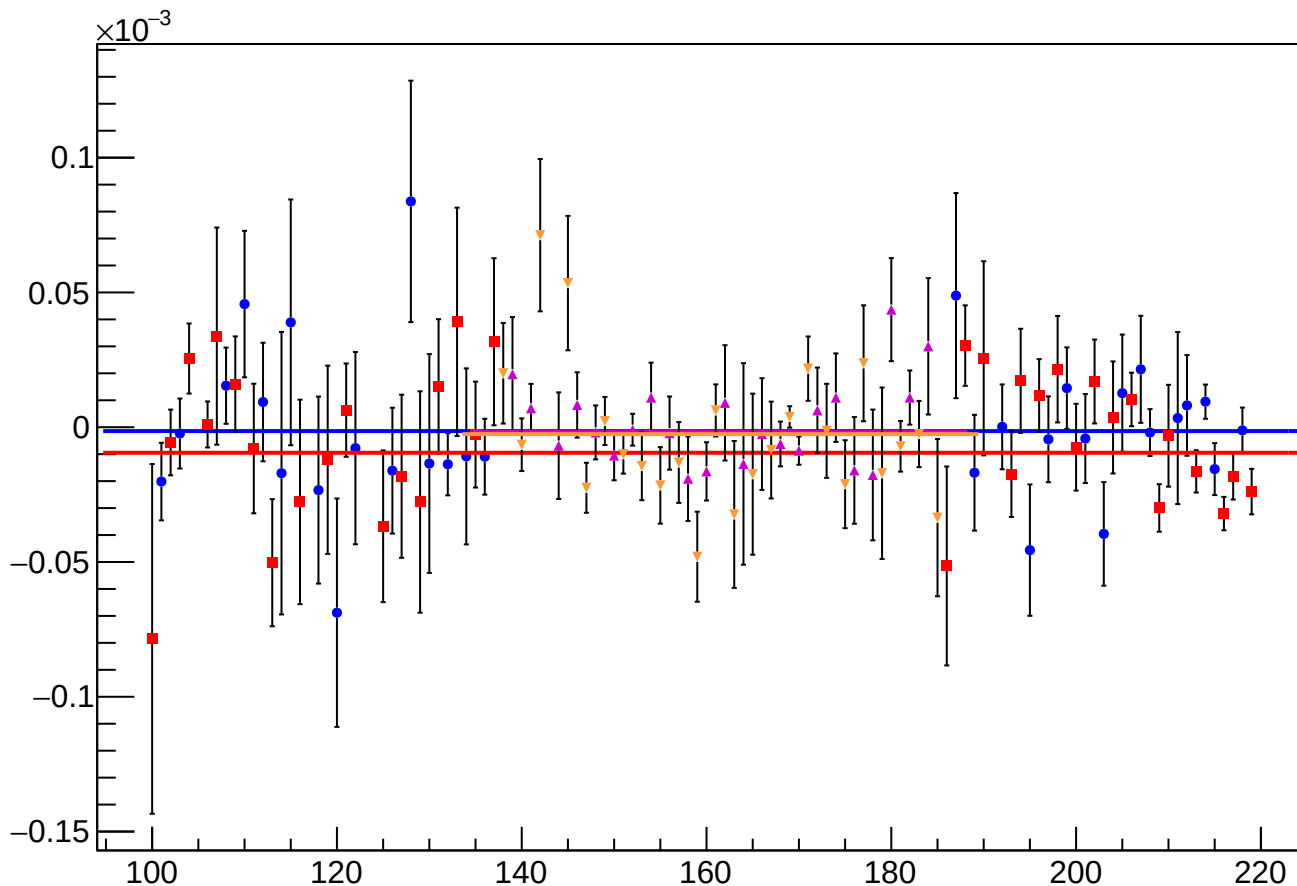
Left In: 355.992 $\pm$ 0.062 χ^2 /NDF: 2420701.1/22

+ sign 255.428 $\pm$ 0.032 χ^2 /NDF: 9302156.9/55

All: 247.482 $\pm$ 0.022 χ^2 /NDF: 19977329.4/11

- sign 240.389 $\pm$ 0.030 χ^2 /NDF: 10557949.2/57

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 33.8/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 43.5/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 69.9/34

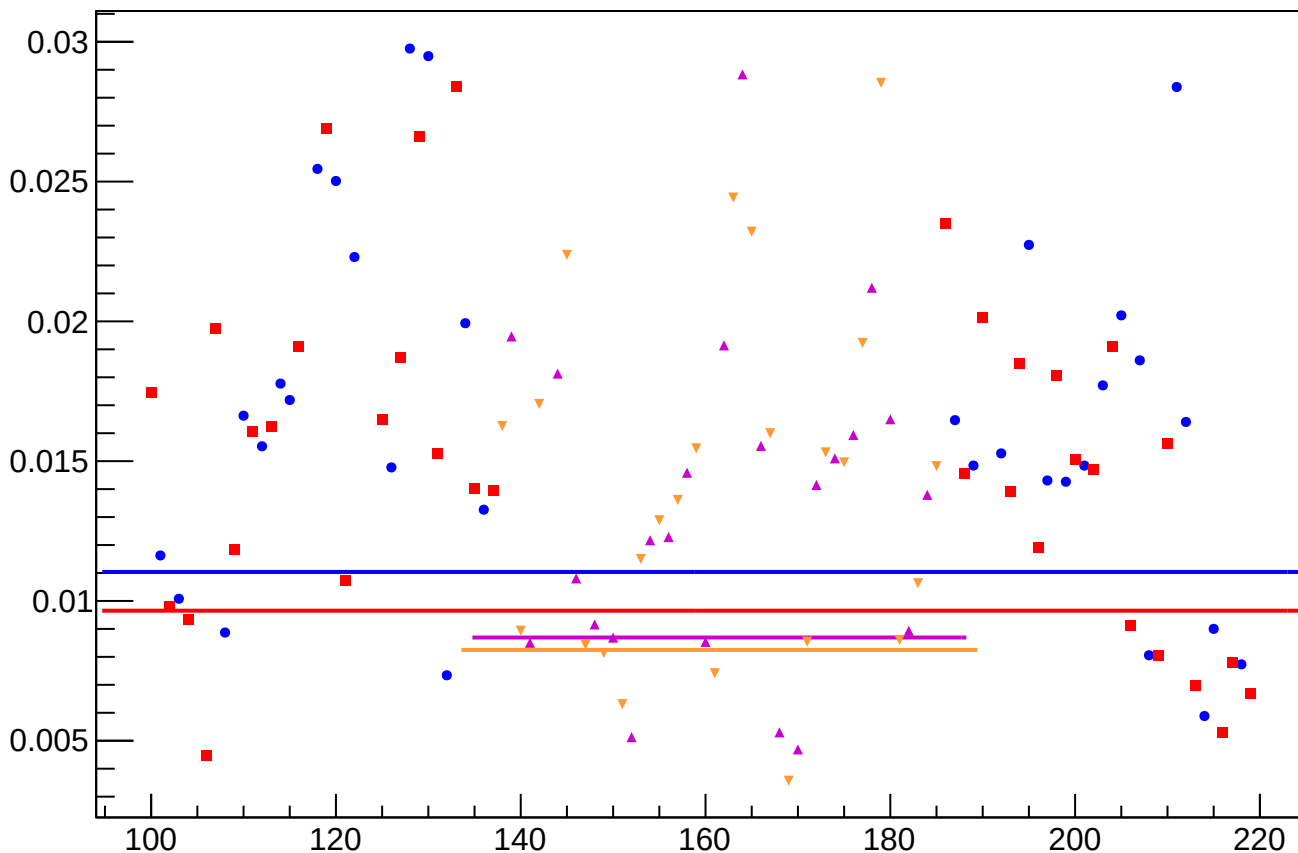
Left In: -0.000 ± 0.000 χ^2/NDF : 20.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 77.4/55

All: -0.000 ± 0.000 χ^2/NDF : 175.3/113

- sign -0.000 ± 0.000 χ^2/NDF : 96.0/57

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 6861906.3/31

Left Out: 0.008+/-0.000 χ^2/NDF : 8879581.2/23

Right Out: 0.010+/-0.000 χ^2/NDF : 7442503.4/34

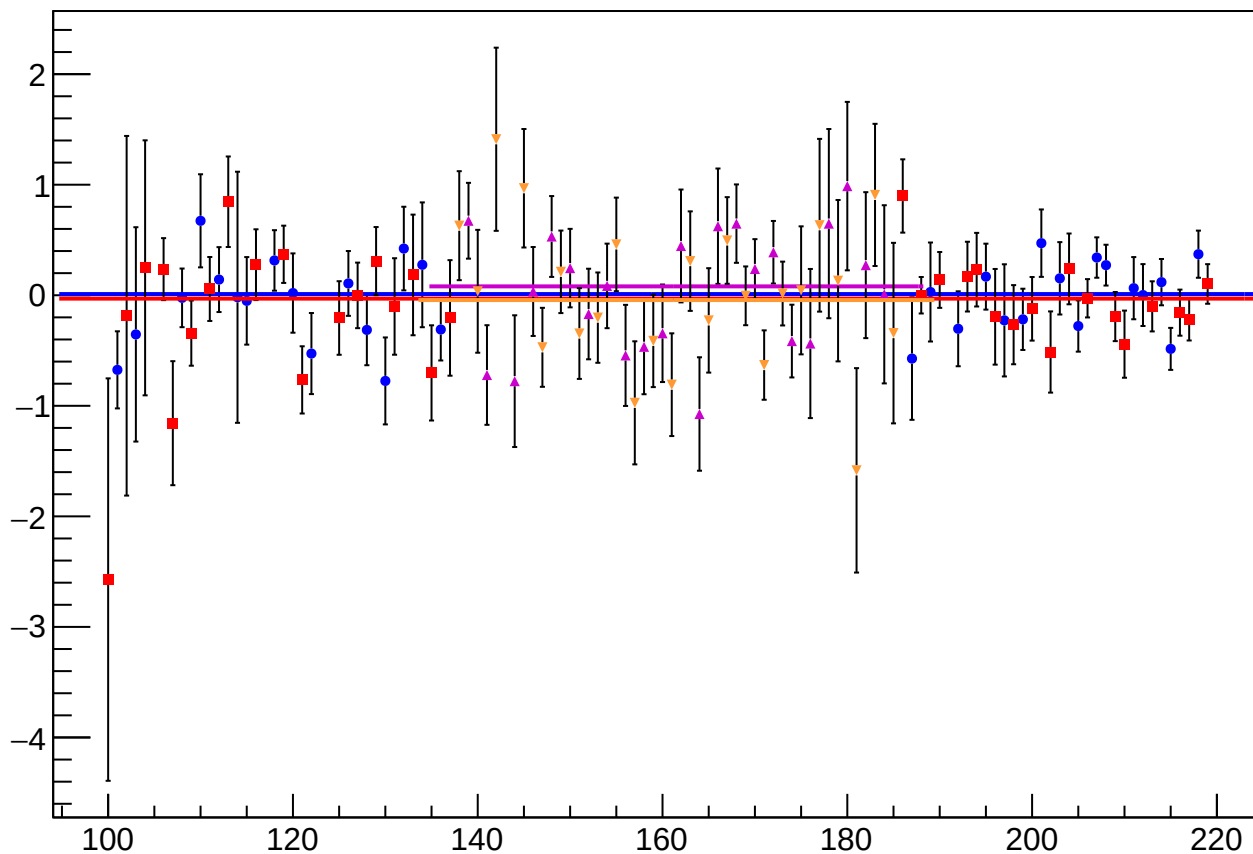
Left In: 0.009+/-0.000 χ^2/NDF : 6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF : 16971072.5/55

All: 0.009+/-0.000 χ^2/NDF : 31468366.0/113

- sign 0.009+/-0.000 χ^2/NDF : 14480975.4/57

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 ± 0.052 χ^2/NDF : 40.4/31

Left Out: -0.043 ± 0.090 χ^2/NDF : 31.0/23

Right Out: -0.030 ± 0.049 χ^2/NDF : 43.0/34

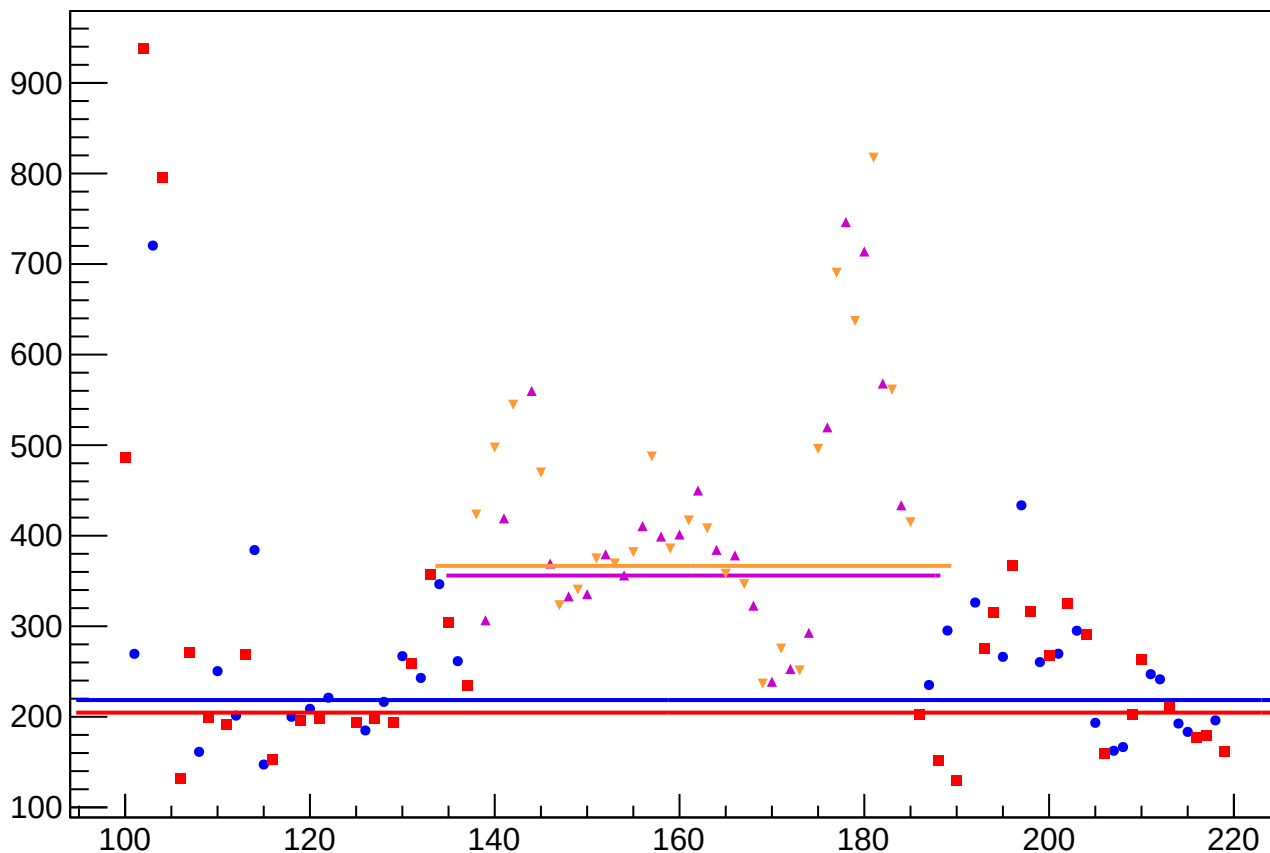
Left In: 0.080 ± 0.088 χ^2/NDF : 30.3/22

+ sign -0.003 ± 0.045 χ^2/NDF : 71.6/55

All: -0.004 ± 0.031 χ^2/NDF : 146.1/113

- sign -0.004 ± 0.043 χ^2/NDF : 74.5/57

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 218.507+/-0.037 χ^2/NDF : 2432458.1/31

Left Out: 366.671+/-0.064 χ^2/NDF : 2841292.6/23

Right Out: 204.629+/-0.035 χ^2/NDF : 3594318.2/34

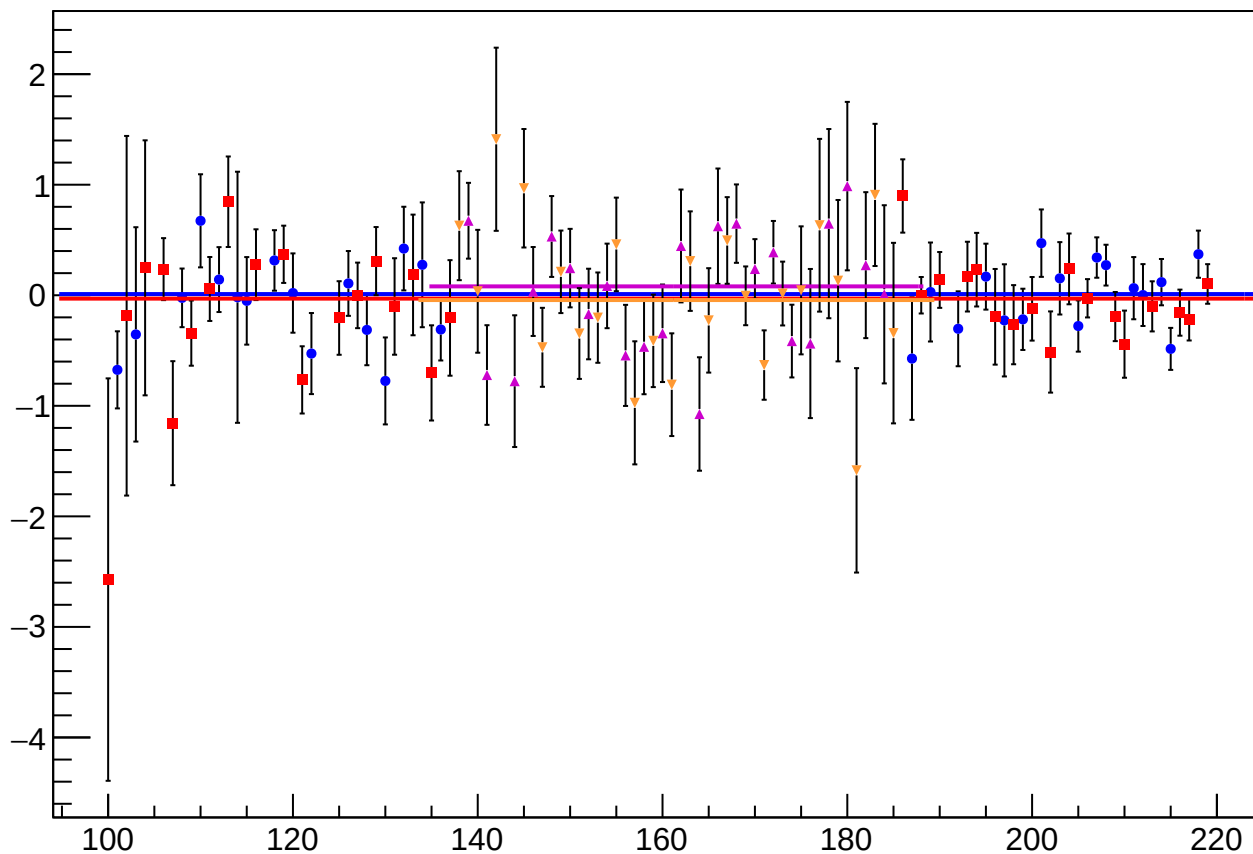
Left In: 355.993+/-0.062 χ^2/NDF : 2420863.3/22

+ sign 255.427+/-0.032 χ^2/NDF : 9302462.6/55

All: 247.480+/-0.022 χ^2/NDF : 19978091.3/11

- sign 240.387+/-0.030 χ^2/NDF : 10558384.6/57

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.052 χ^2 /NDF: 40.4/31

Left Out: -0.043 $\pm$ 0.090 χ^2 /NDF:31.0/23

Right Out: -0.030 $\pm$ 0.049 χ^2 /NDF: 43.0/34

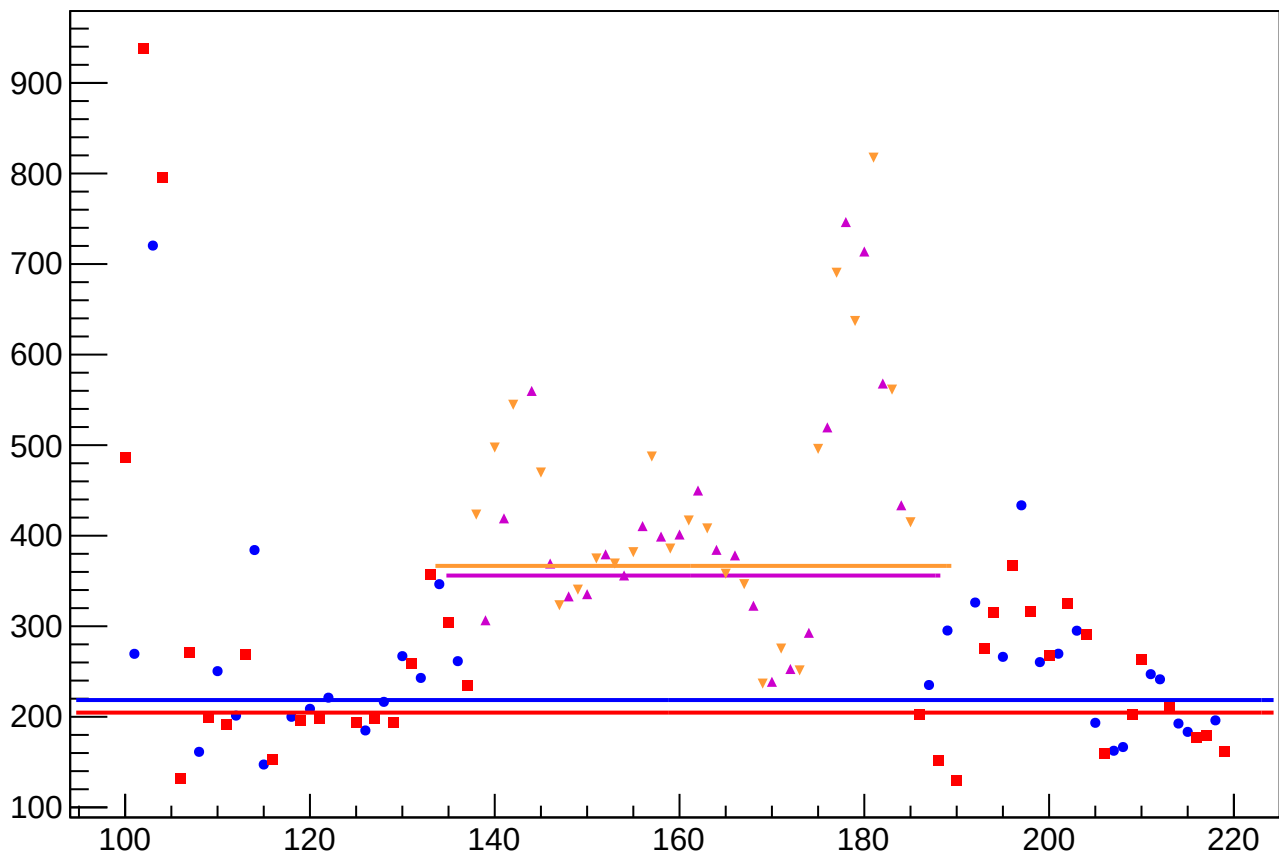
Left In: 0.080 $\pm$ 0.088 χ^2 /NDF:30.3/22

+ sign -0.003 $\pm$ 0.045 χ^2 /NDF: 71.6/55

All: -0.004 $\pm$ 0.031 χ^2 /NDF: 146.1/113

- sign -0.004 $\pm$ 0.043 χ^2 /NDF: 74.5/57

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 218.507 $\pm$ 0.037 χ^2 /NDF: 2432458.1/31

Left Out: 366.671 $\pm$ 0.064 χ^2 /NDF:2841292.6/23

Right Out: 204.629 $\pm$ 0.035 χ^2 /NDF: 3594318.2/34

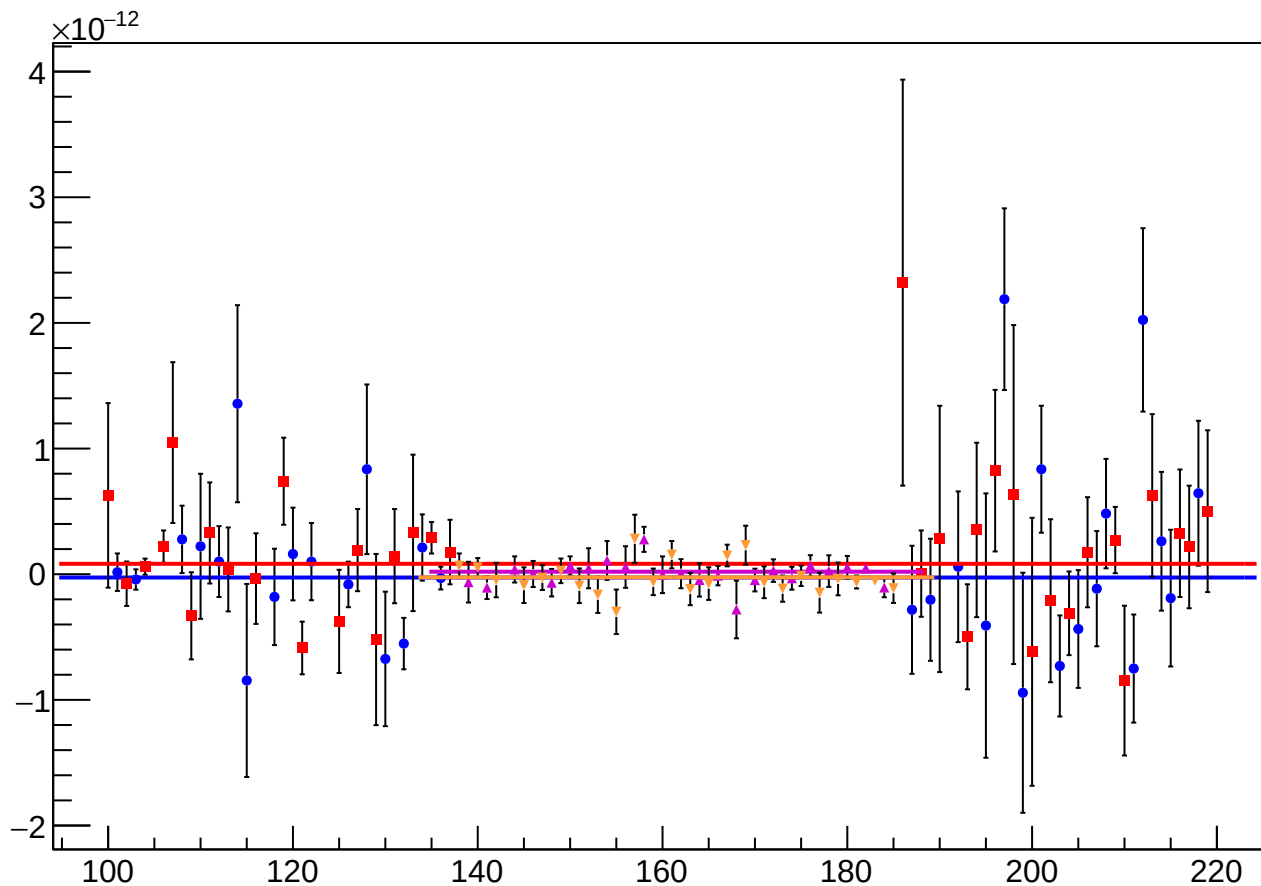
Left In: 355.993 $\pm$ 0.062 χ^2 /NDF:2420863.3/22

+ sign 255.427 $\pm$ 0.032 χ^2 /NDF: 9302462.6/55

All: 247.480 $\pm$ 0.022 χ^2 /NDF: 19978091.3/11

- sign 240.387 $\pm$ 0.030 χ^2 /NDF: 10558384.6/57

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 48.7/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 21.9/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 37.9/34

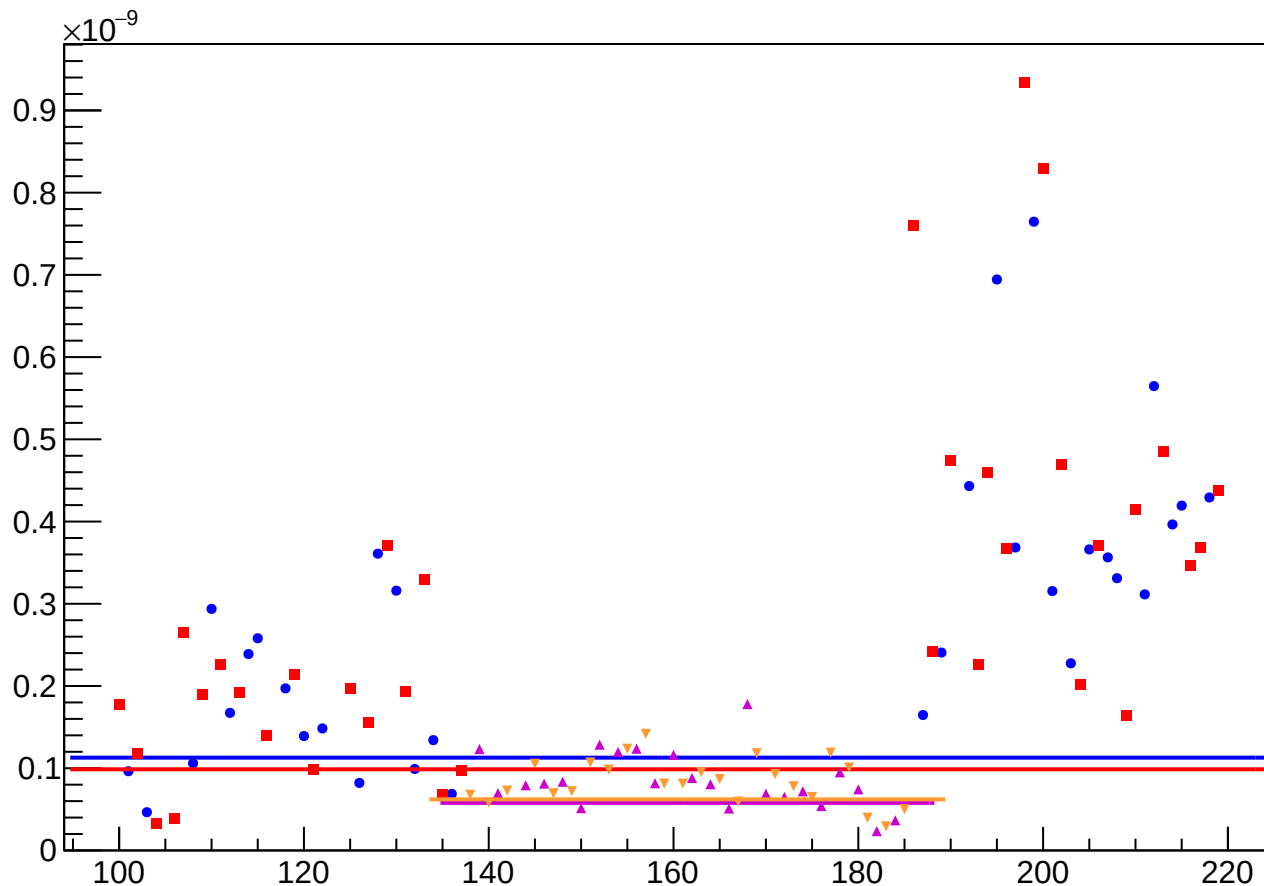
Left In: 0.000 ± 0.000 χ^2/NDF : 17.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 70.6/55

All: 0.000 ± 0.000 χ^2/NDF : 132.7/113

- sign 0.000 ± 0.000 χ^2/NDF : 57.0/57

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10658933.9/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4100152.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12876428.8/34

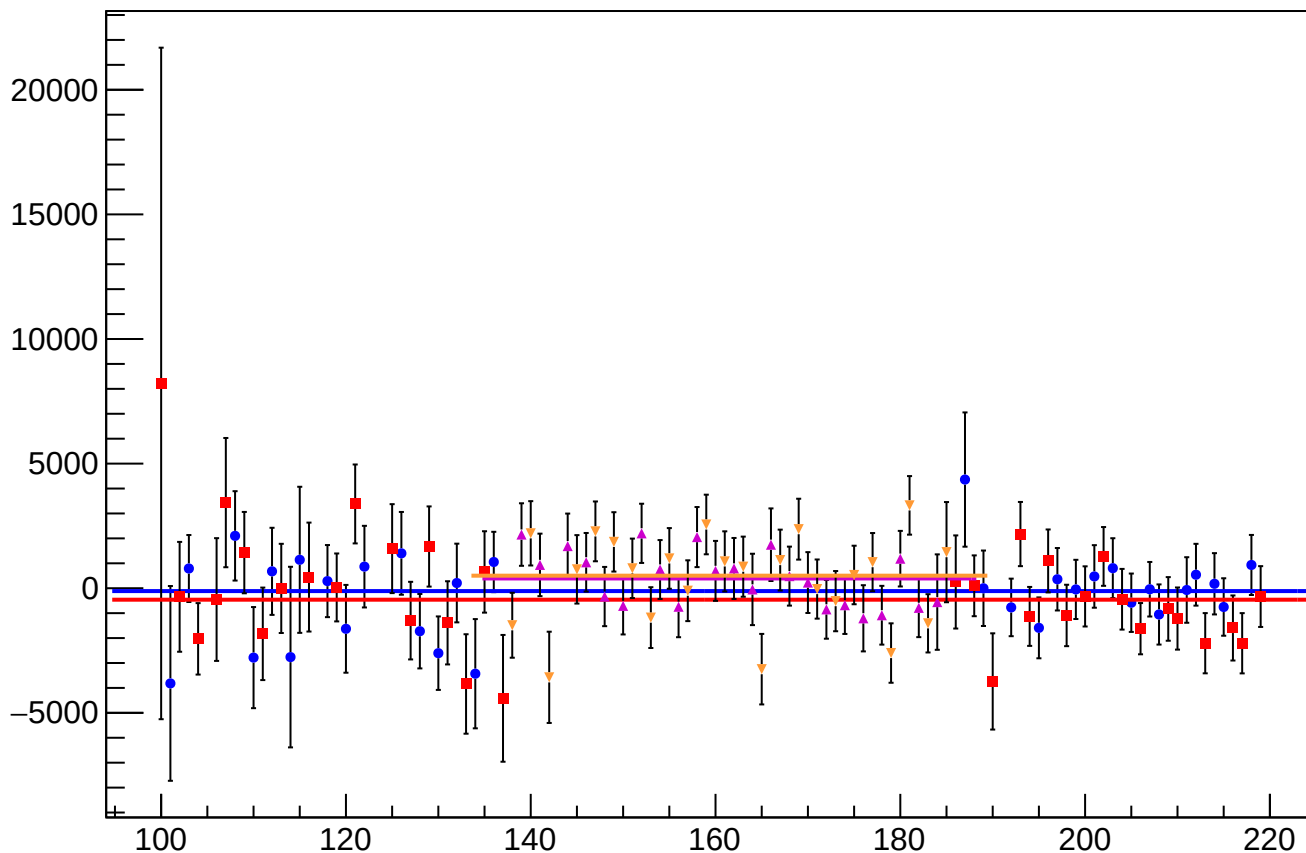
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5512617.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16958109.8/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37064659.1/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20001476.4/57

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -114.514 ± 252.534 χ^2/NDF : 22.5/31

Left Out: 503.606 ± 255.531 χ^2/NDF : 44.6/23

Right Out: -460.110 ± 248.980 χ^2/NDF : 39.8/34

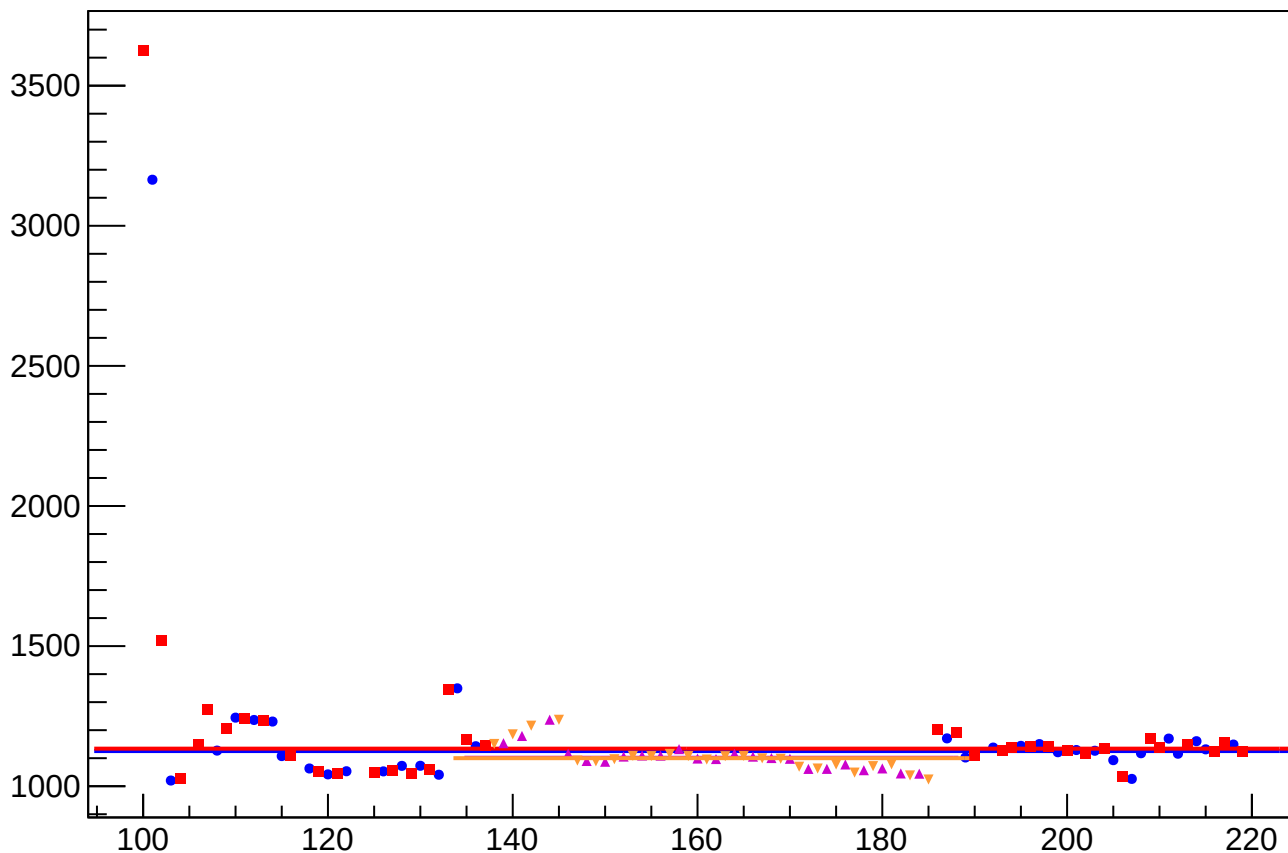
Left In: 391.701 ± 257.386 χ^2/NDF : 17.8/22

+ sign 190.900 ± 179.619 χ^2/NDF : 70.0/55

All: 70.835 ± 126.774 χ^2/NDF : 134.2/113

- sign -48.342 ± 178.953 χ^2/NDF : 63.3/57

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1125.404 $\pm$ 0.179 χ^2 /NDF: 646956.6/31

Left Out: 1100.063 $\pm$ 0.181 χ^2 /NDF: 58733.9/23

Right Out: 1134.038 $\pm$ 0.176 χ^2 /NDF: 250417.1/34

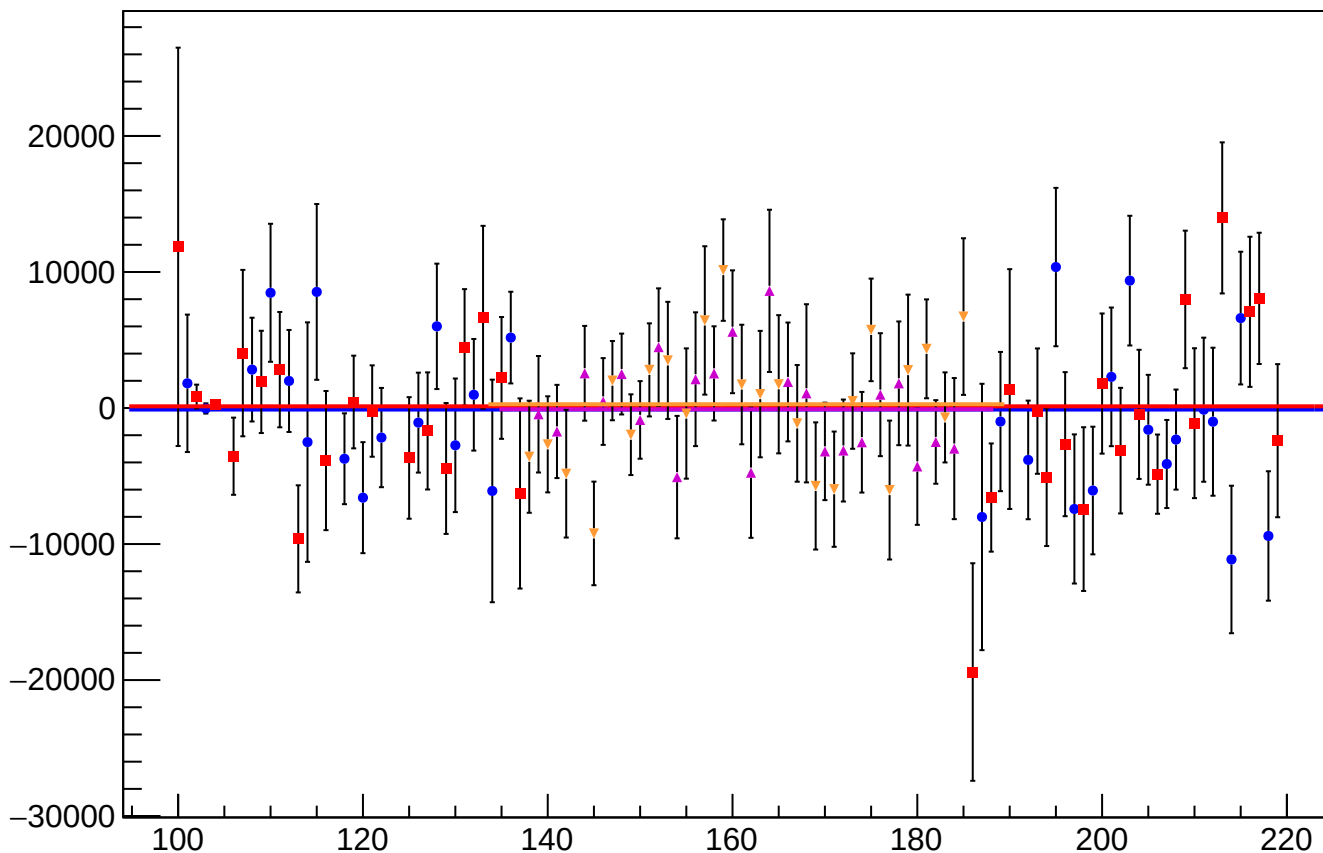
Left In: 1101.530 $\pm$ 0.182 χ^2 /NDF: 52145.9/22

+ sign 1112.883 $\pm$ 0.127 χ^2 /NDF: 715641.1/55

All: 1115.619 $\pm$ 0.090 χ^2 /NDF: 1035619.5/11

- sign 1118.333 $\pm$ 0.126 χ^2 /NDF: 319054.1/57

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug



Right In: -112.072 ± 342.397 χ^2/NDF : 39.1/31

Left Out: 277.507 ± 820.501 χ^2/NDF : 29.9/23

Right Out: 124.769 ± 311.409 χ^2/NDF : 44.2/34

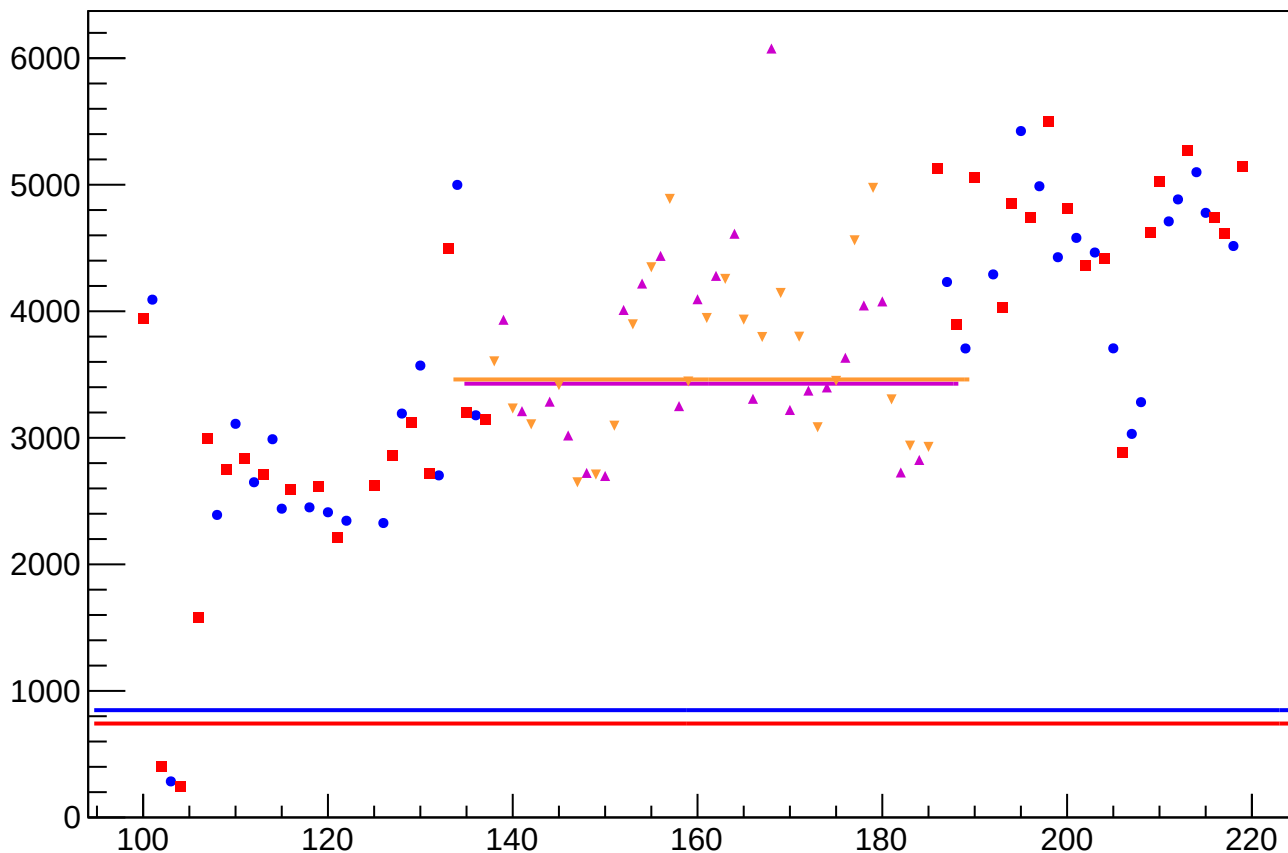
Left In: -94.734 ± 817.223 χ^2/NDF : 13.7/22

+ sign -54.292 ± 315.987 χ^2/NDF : 69.2/55

All: 27.538 ± 214.057 χ^2/NDF : 127.2/113

- sign 96.937 ± 290.998 χ^2/NDF : 57.9/57

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug



Right In: 847.856+/-0.242 χ^2/NDF : 27664291.7/31

Left Out: 3461.259+/-0.580 χ^2/NDF : 1058687.1/23

Right Out: 742.158+/-0.220 χ^2/NDF : 29610824.9/34

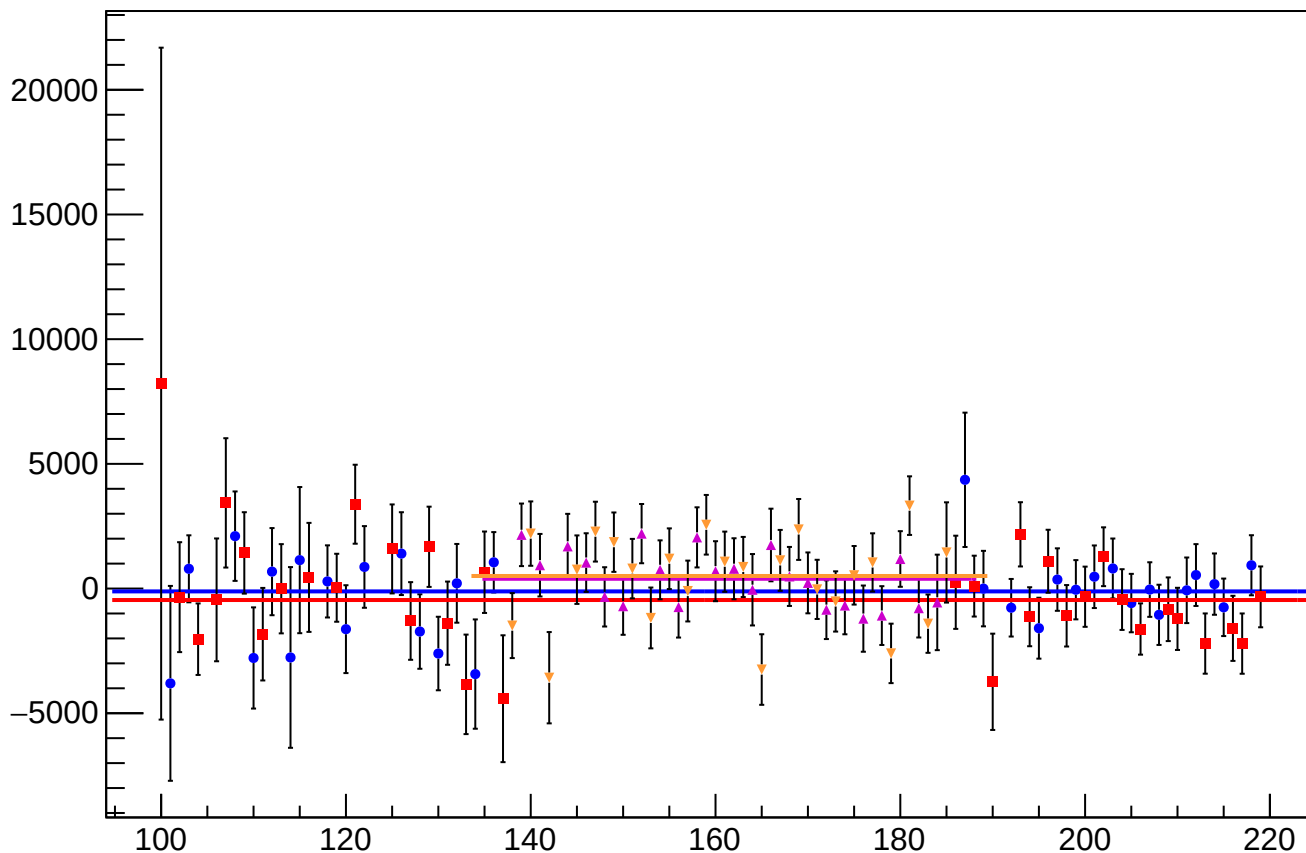
Left In: 3427.860+/-0.578 χ^2/NDF : 1243133.8/22

+ sign 1235.459+/-0.223 χ^2/NDF : 46003788.0/55

All: 1152.795+/-0.151 χ^2/NDF : 95972417.1/1

- sign 1082.689+/-0.206 χ^2/NDF : 49715674.7/57

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -114.460 ± 252.534 χ^2/NDF : 22.5/31

Left Out: 503.679 ± 255.531 χ^2/NDF : 44.6/23

Right Out: -460.132 ± 248.980 χ^2/NDF : 39.8/34

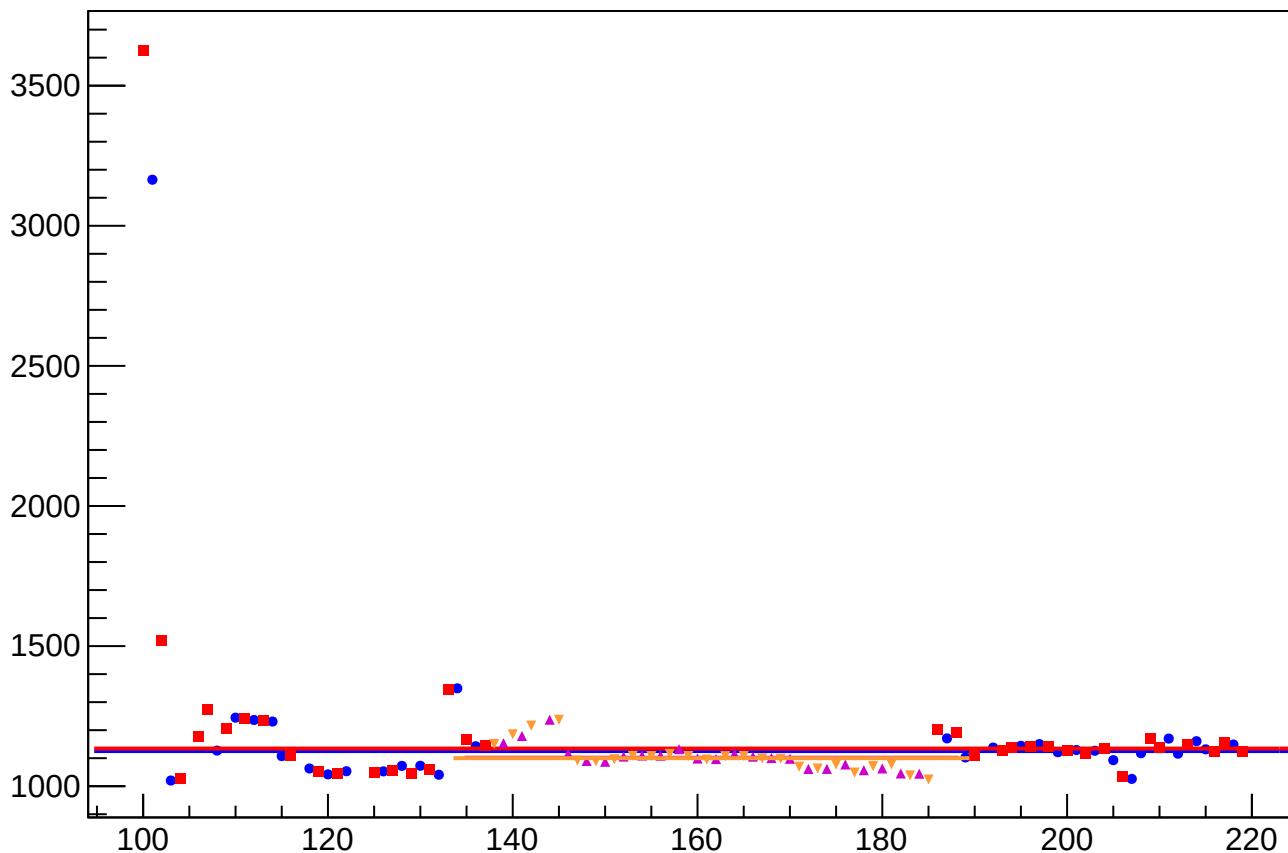
Left In: 391.689 ± 257.386 χ^2/NDF : 17.8/22

+ sign 190.964 ± 179.619 χ^2/NDF : 70.0/55

All: 70.858 ± 126.774 χ^2/NDF : 134.2/113

- sign -48.360 ± 178.953 χ^2/NDF : 63.3/57

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1125.404 $\pm$ 0.179 χ^2 /NDF: 646957.8/31

Left Out: 1100.063 $\pm$ 0.181 χ^2 /NDF: 58733.9/23

Right Out: 1134.356 $\pm$ 0.176 χ^2 /NDF: 251023.9/34

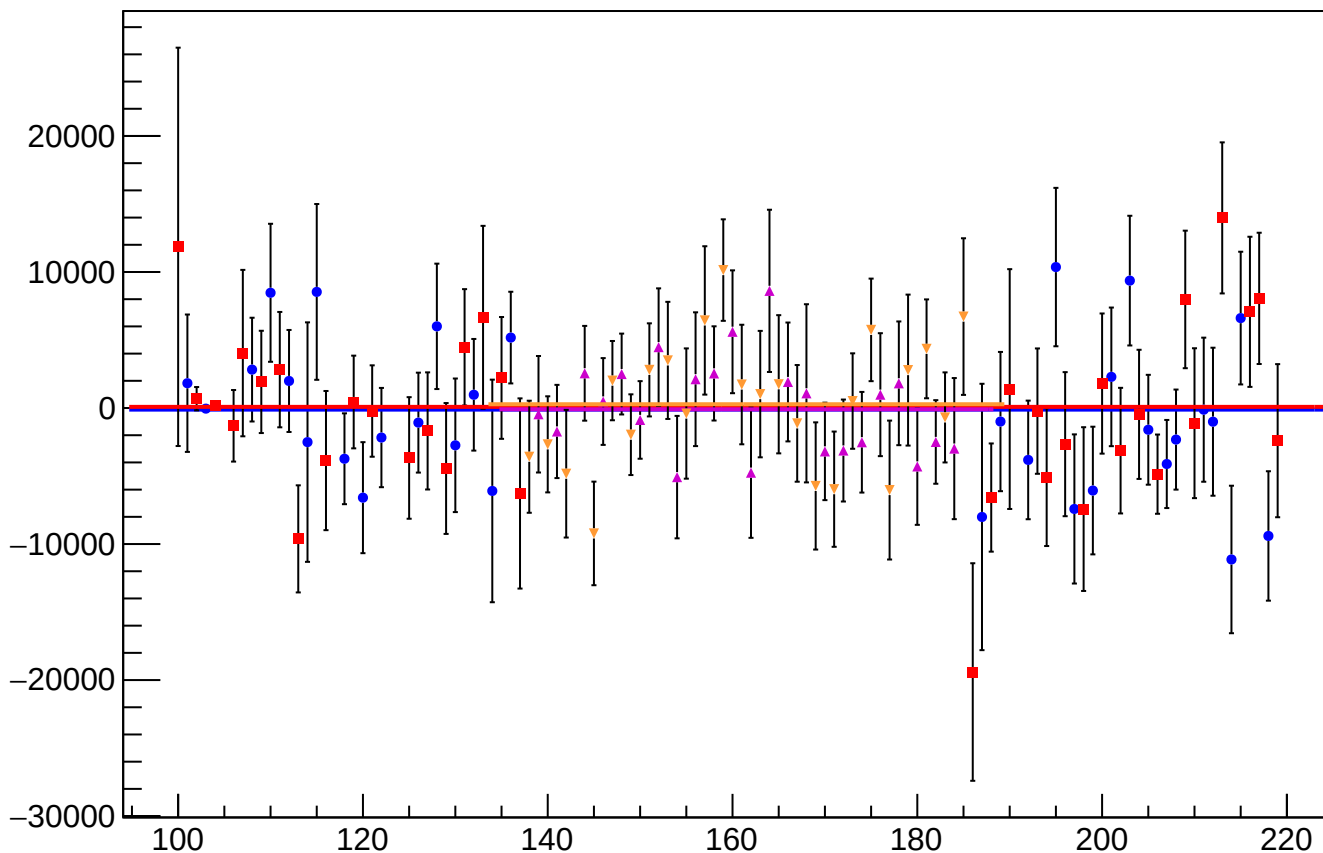
Left In: 1101.530 $\pm$ 0.182 χ^2 /NDF: 52145.9/22

+ sign 1112.883 $\pm$ 0.127 χ^2 /NDF: 715642.1/55

All: 1115.698 $\pm$ 0.090 χ^2 /NDF: 1036598.5/11

- sign 1118.491 $\pm$ 0.127 χ^2 /NDF: 319978.1/57

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug



Right In: -117.440 ± 330.827 $\chi^2/\text{NDF}: 39.1/31$

Left Out: 277.536 ± 820.502 $\chi^2/\text{NDF}: 29.9/23$

Right Out: 84.637 ± 306.742 $\chi^2/\text{NDF}: 42.5/34$

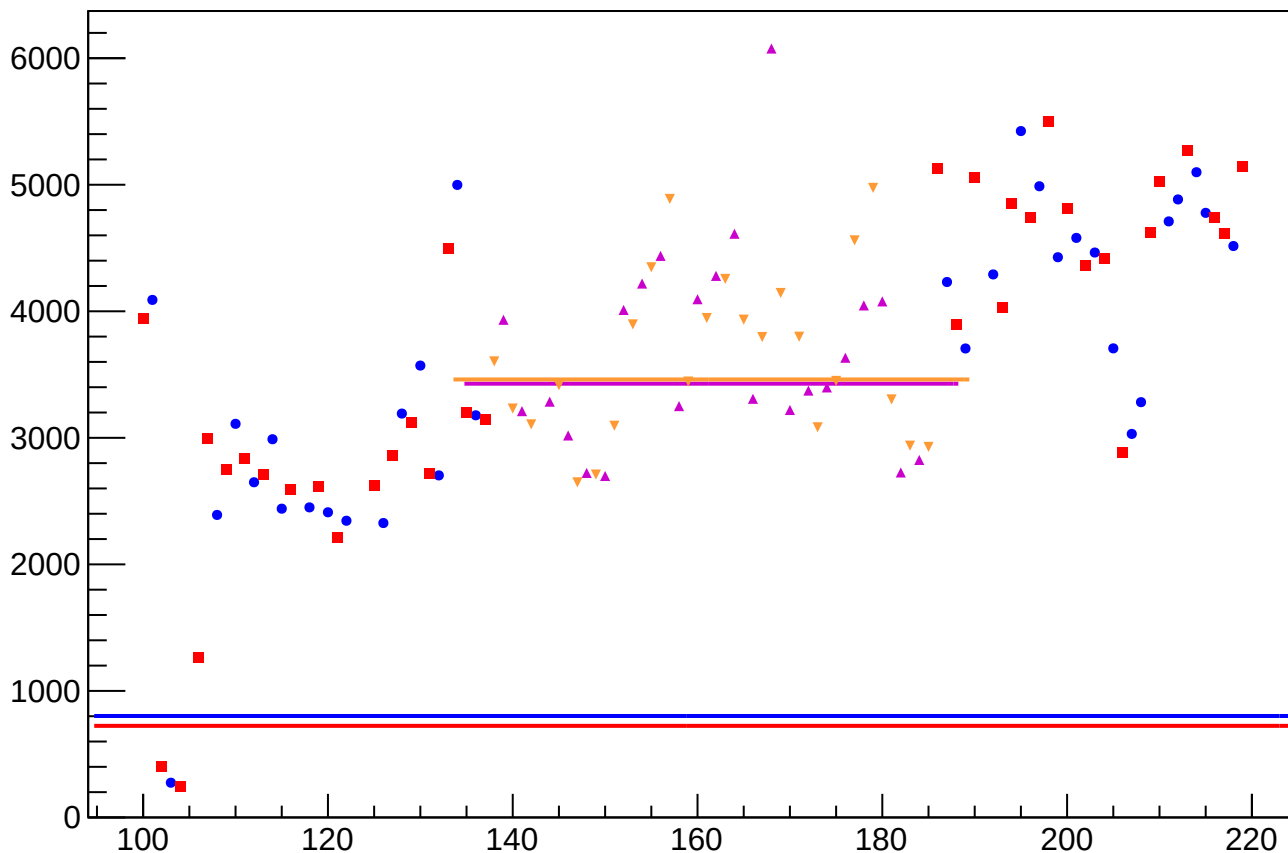
Left In: -94.742 ± 817.222 $\chi^2/\text{NDF}: 13.7/22$

+ sign -62.207 ± 306.826 $\chi^2/\text{NDF}: 69.2/55$

All: 4.259 ± 209.668 $\chi^2/\text{NDF}: 125.4/113$

- sign 62.486 ± 287.179 $\chi^2/\text{NDF}: 56.2/57$

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug



Right In: 801.837+/-0.234 χ^2/NDF : 28189170.6/31

Left Out: 3461.261+/-0.580 χ^2/NDF : 1058691.8/23

Right Out: 723.880+/-0.217 χ^2/NDF : 29690029.0/34

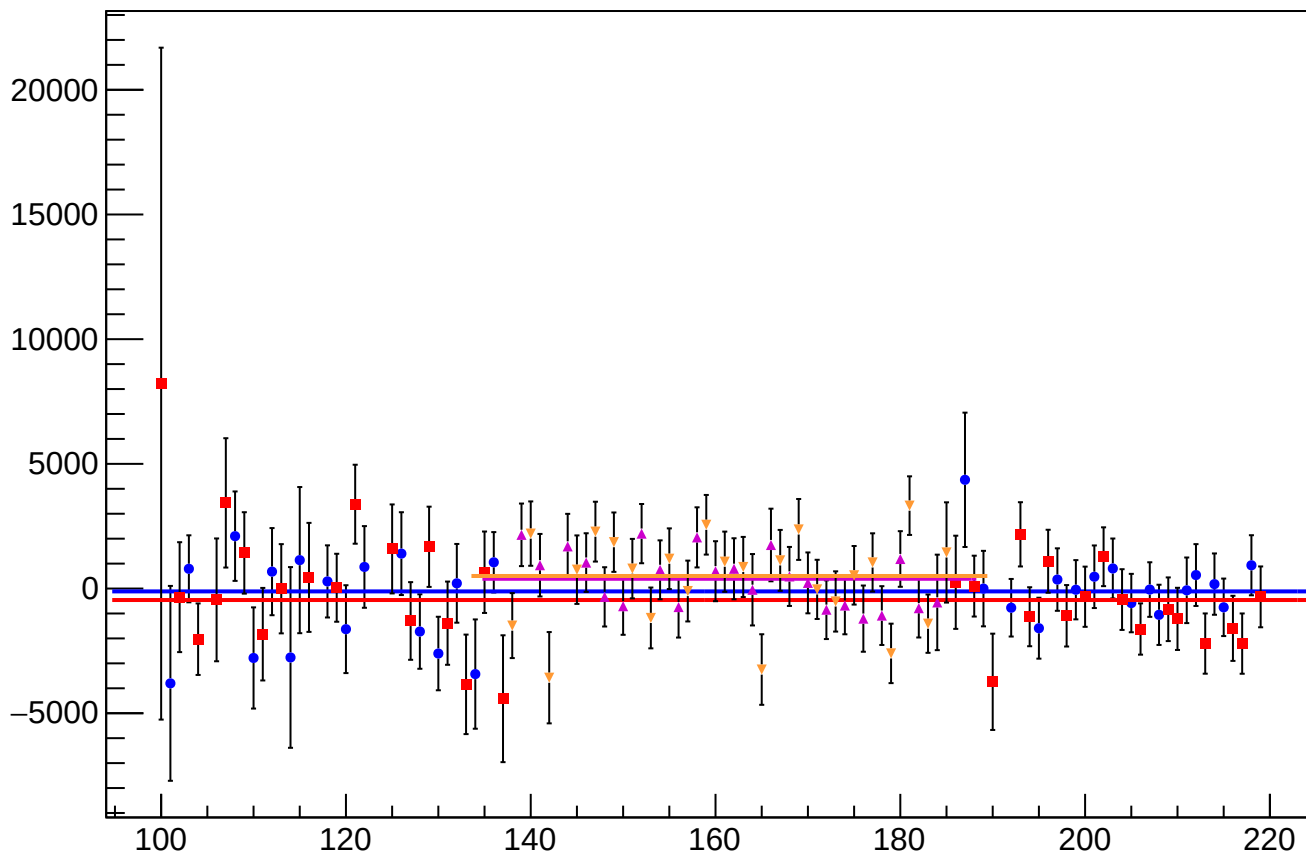
Left In: 3427.857+/-0.578 χ^2/NDF : 1243147.4/22

+ sign 1173.725+/-0.217 χ^2/NDF : 47320713.1/55

All: 1111.926+/-0.148 χ^2/NDF : 97597793.4/1

- sign 1057.789+/-0.203 χ^2/NDF : 50124870.8/57

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -114.460 ± 252.534 χ^2/NDF : 22.5/31

Left Out: 503.679 ± 255.531 χ^2/NDF : 44.6/23

Right Out: -460.132 ± 248.980 χ^2/NDF : 39.8/34

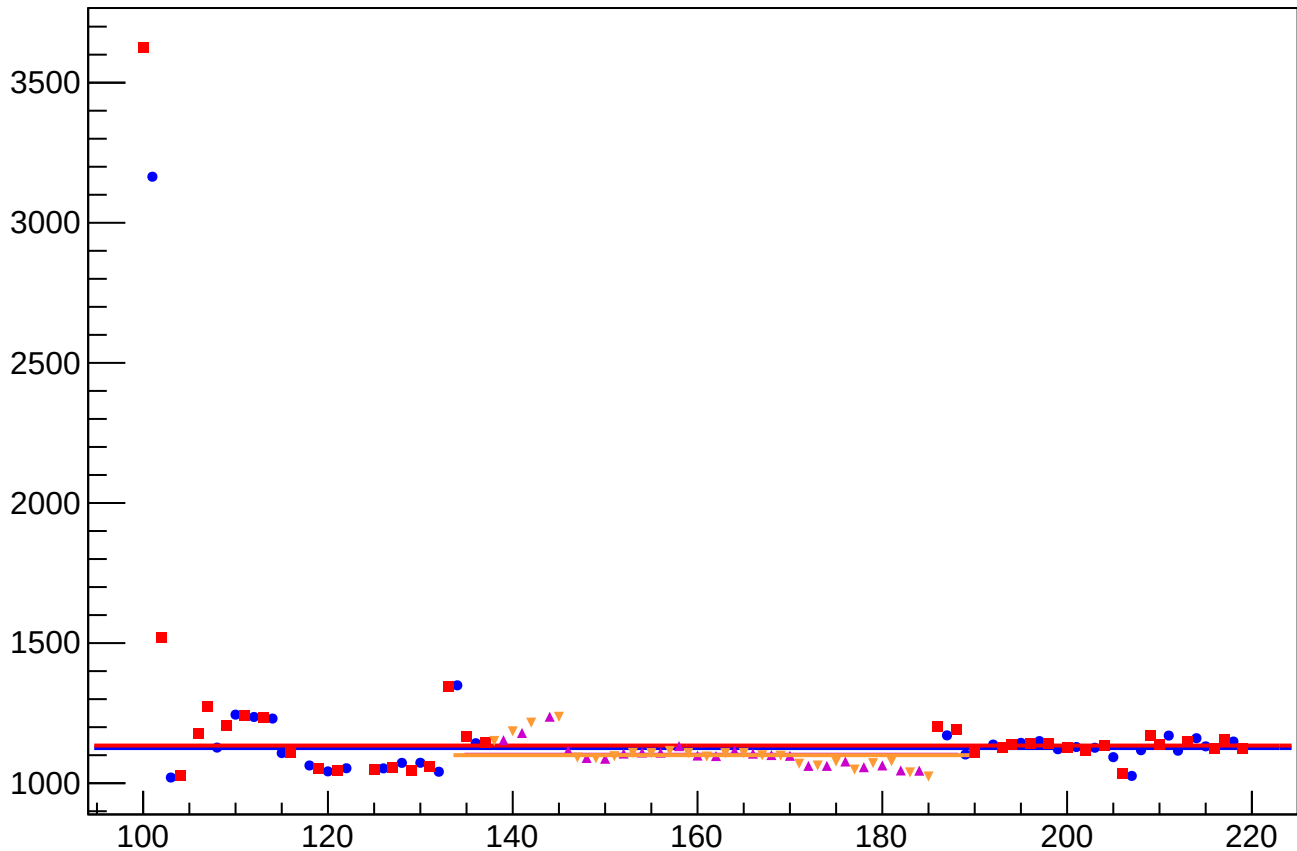
Left In: 391.689 ± 257.386 χ^2/NDF : 17.8/22

+ sign 190.964 ± 179.619 χ^2/NDF : 70.0/55

All: 70.858 ± 126.774 χ^2/NDF : 134.2/113

- sign -48.360 ± 178.953 χ^2/NDF : 63.3/57

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1125.404 $\pm$ 0.179 χ^2 /NDF: 646957.8/31

Left Out: 1100.063 $\pm$ 0.181 χ^2 /NDF: 58733.9/23

Right Out: 1134.356 $\pm$ 0.176 χ^2 /NDF: 251023.9/34

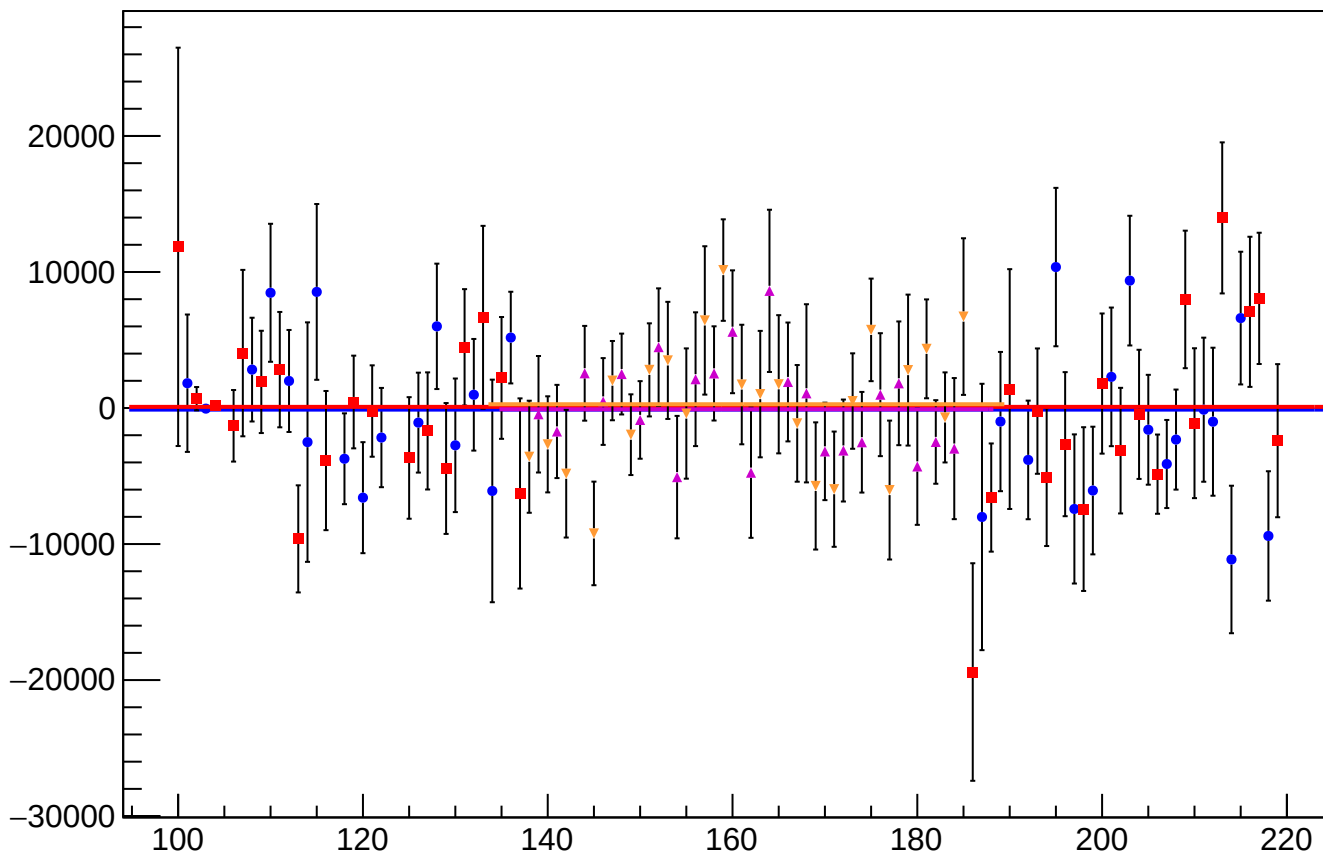
Left In: 1101.530 $\pm$ 0.182 χ^2 /NDF: 52145.9/22

+ sign 1112.883 $\pm$ 0.127 χ^2 /NDF: 715642.1/55

All: 1115.698 $\pm$ 0.090 χ^2 /NDF: 1036598.5/11

- sign 1118.491 $\pm$ 0.127 χ^2 /NDF: 319978.1/57

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: -117.440 ± 330.827 χ^2/NDF : 39.1/31

Left Out: 277.536 ± 820.502 χ^2/NDF : 29.9/23

Right Out: 84.637 ± 306.742 χ^2/NDF : 42.5/34

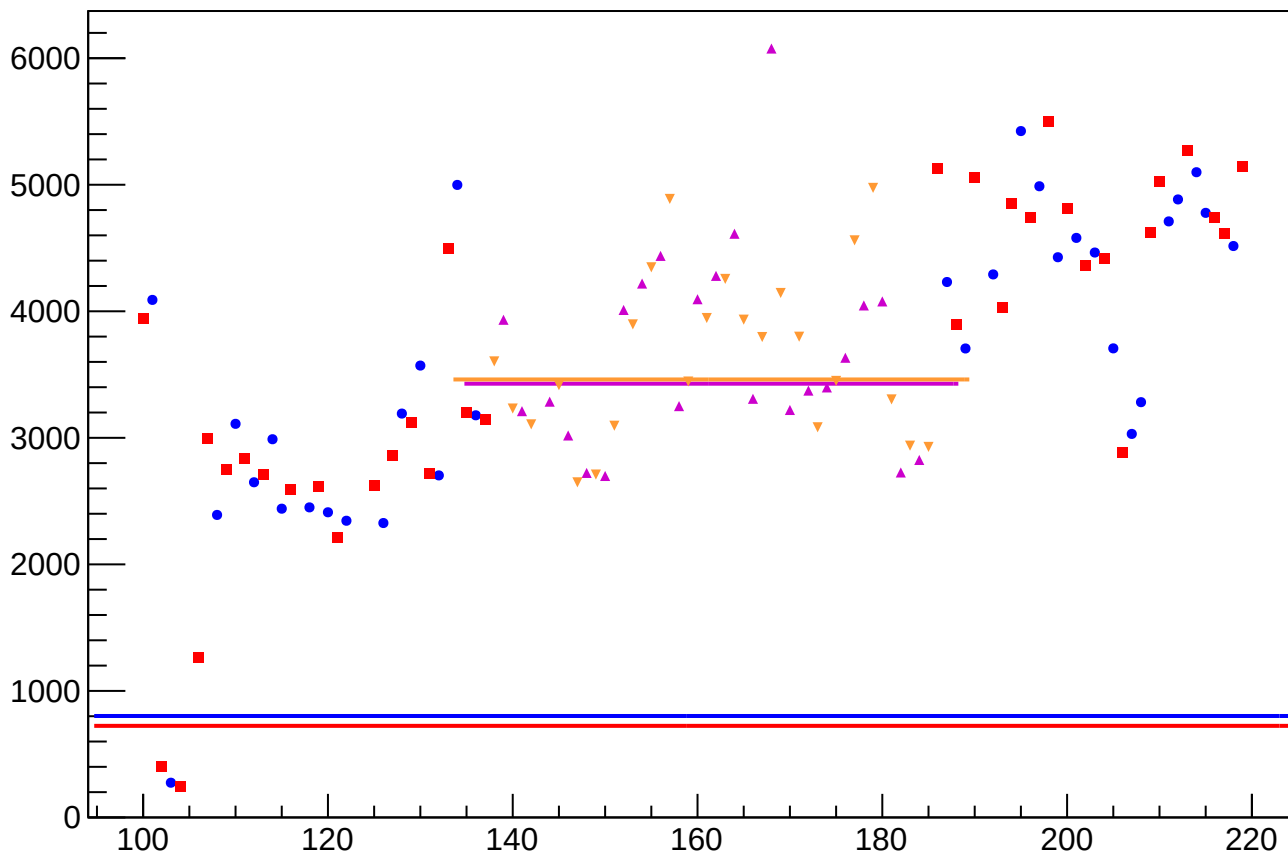
Left In: -94.742 ± 817.222 χ^2/NDF : 13.7/22

+ sign -62.207 ± 306.826 χ^2/NDF : 69.2/55

All: 4.259 ± 209.668 χ^2/NDF : 125.4/113

- sign 62.486 ± 287.179 χ^2/NDF : 56.2/57

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 801.837+/-0.234 χ^2/NDF : 28189170.6/31

Left Out: 3461.261+/-0.580 χ^2/NDF : 1058691.8/23

Right Out: 723.880+/-0.217 χ^2/NDF : 29690029.0/34

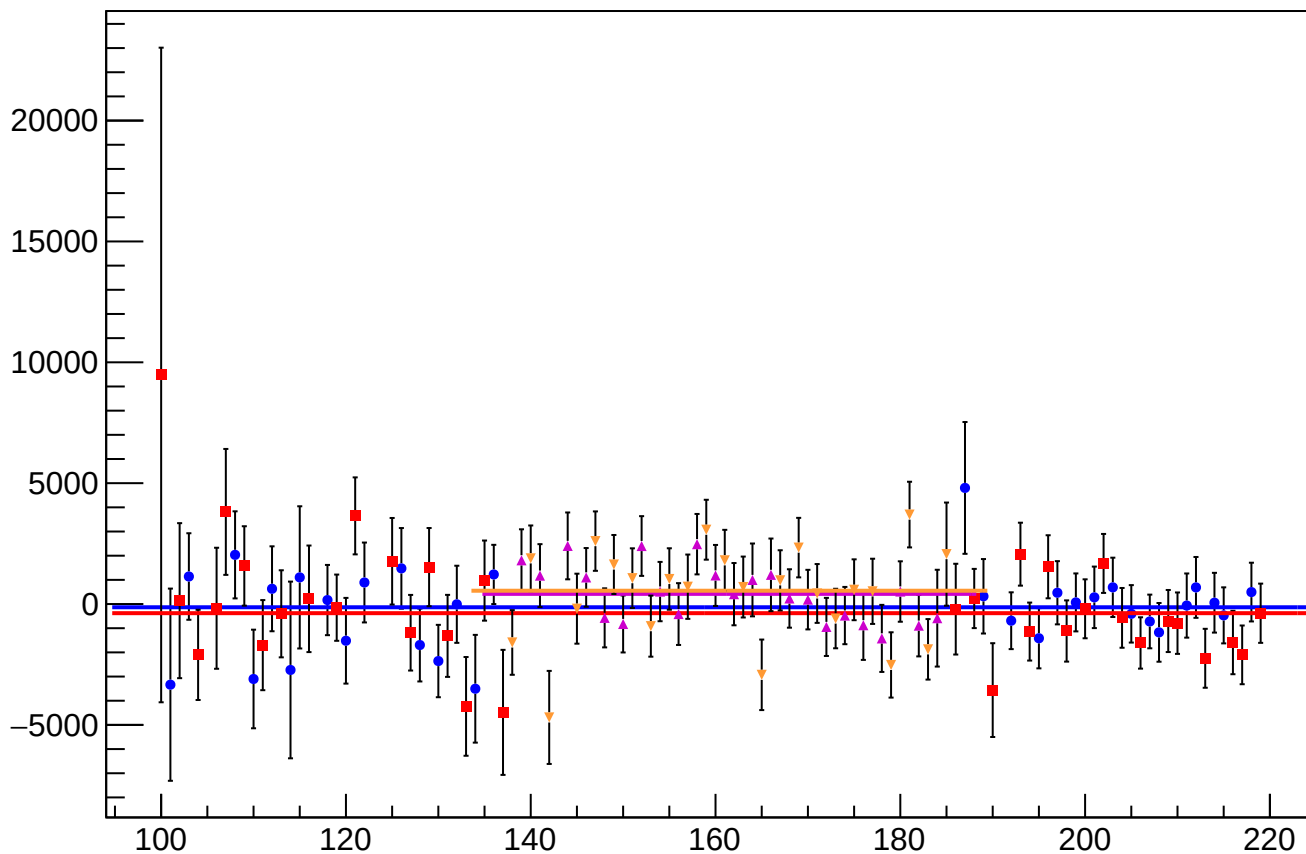
Left In: 3427.857+/-0.578 χ^2/NDF : 1243147.4/22

+ sign 1173.725+/-0.217 χ^2/NDF : 47320713.1/55

All: 1111.926+/-0.148 χ^2/NDF : 97597793.4/1

- sign 1057.789+/-0.203 χ^2/NDF : 50124870.8/57

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -133.630 $\pm$ 257.672 χ^2/NDF : 21.7/31

Left Out: 550.661 $\pm$ 269.206 χ^2/NDF : 45.2/23

Right Out: -377.754 $\pm$ 254.648 χ^2/NDF : 41.5/34

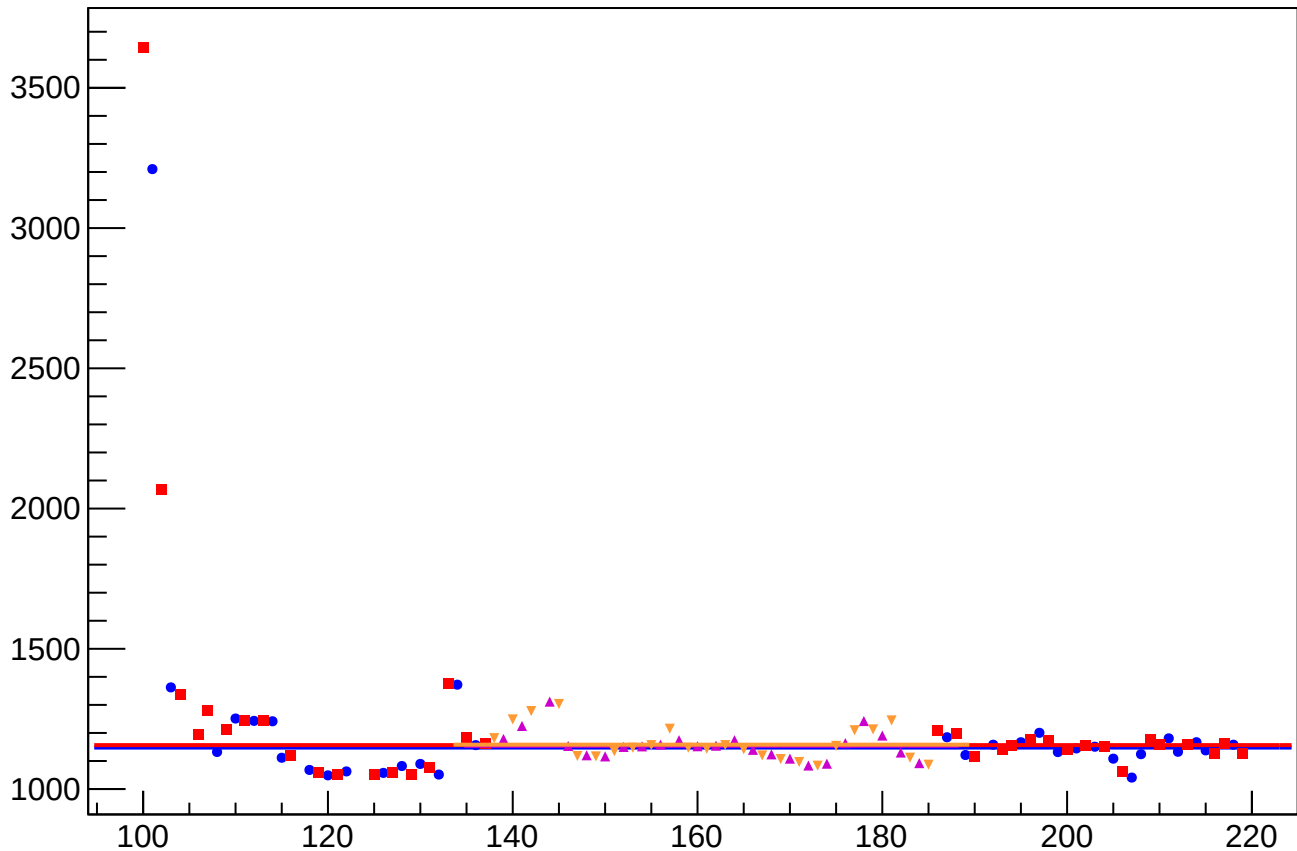
Left In: 421.023 $\pm$ 269.815 χ^2/NDF : 18.0/22

+ sign 193.542 $\pm$ 186.145 χ^2/NDF : 70.3/55

All: 95.548 $\pm$ 131.287 χ^2/NDF : 135.0/113

- sign -1.446 $\pm$ 185.193 χ^2/NDF : 64.2/57

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1147.869+/-0.182 χ^2/NDF : 666647.5/31

Left Out: 1158.177+/-0.190 χ^2/NDF : 84111.8/23

Right Out: 1156.576+/-0.180 χ^2/NDF : 358334.6/34

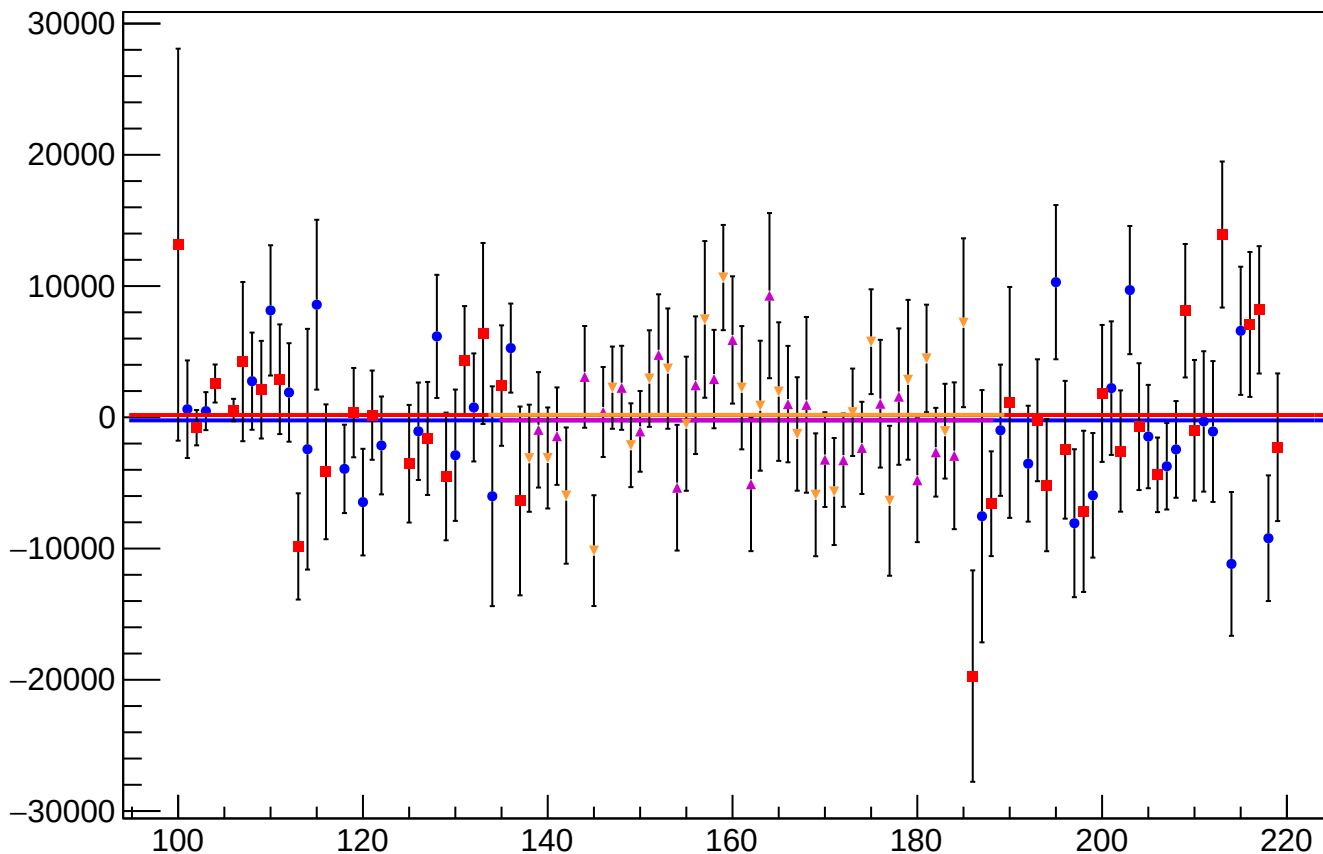
Left In: 1154.231+/-0.191 χ^2/NDF : 66476.9/22

+ sign 1152.797+/-0.132 χ^2/NDF : 752289.6/55

All: 1154.141+/-0.093 χ^2/NDF : 1177388.5/117

- sign 1155.471+/-0.131 χ^2/NDF : 424891.5/57

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: -233.871 ± 704.455 χ^2/NDF : 38.4/31

Left Out: 189.735 ± 869.432 χ^2/NDF : 29.3/23

Right Out: 173.771 ± 511.276 χ^2/NDF : 44.8/34

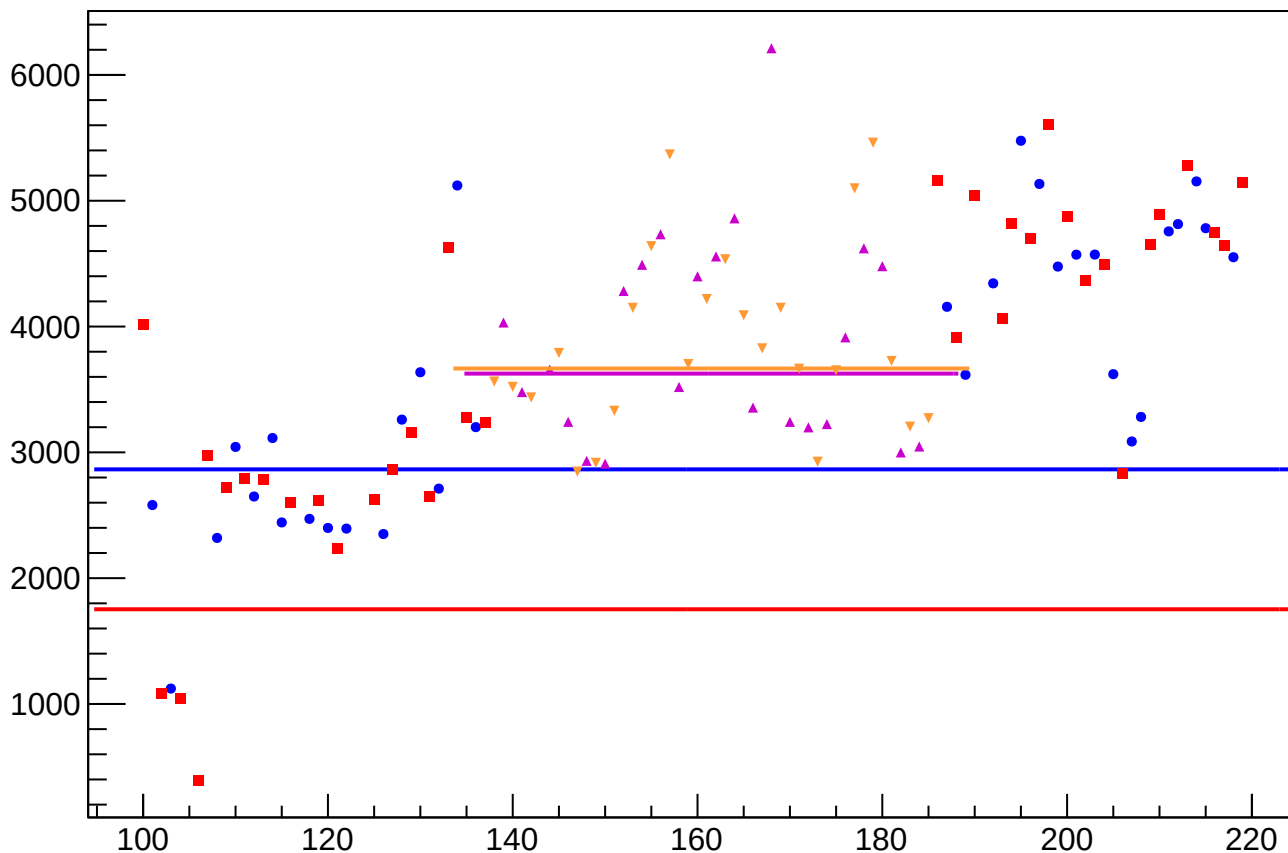
Left In: -221.361 ± 864.775 χ^2/NDF : 13.4/22

+ sign -65.988 ± 547.340 χ^2/NDF : 67.8/55

All: 17.468 ± 342.983 χ^2/NDF : 126.1/113

- sign 71.428 ± 440.111 χ^2/NDF : 58.3/57

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug



Right In: 2864.855 $\pm$ 0.498 χ^2 /NDF: 6577941.7/31

Left Out: 3666.536 $\pm$ 0.615 χ^2 /NDF: 1095831.4/23

Right Out: 1752.806 $\pm$ 0.362 χ^2 /NDF: 18255607.1/34

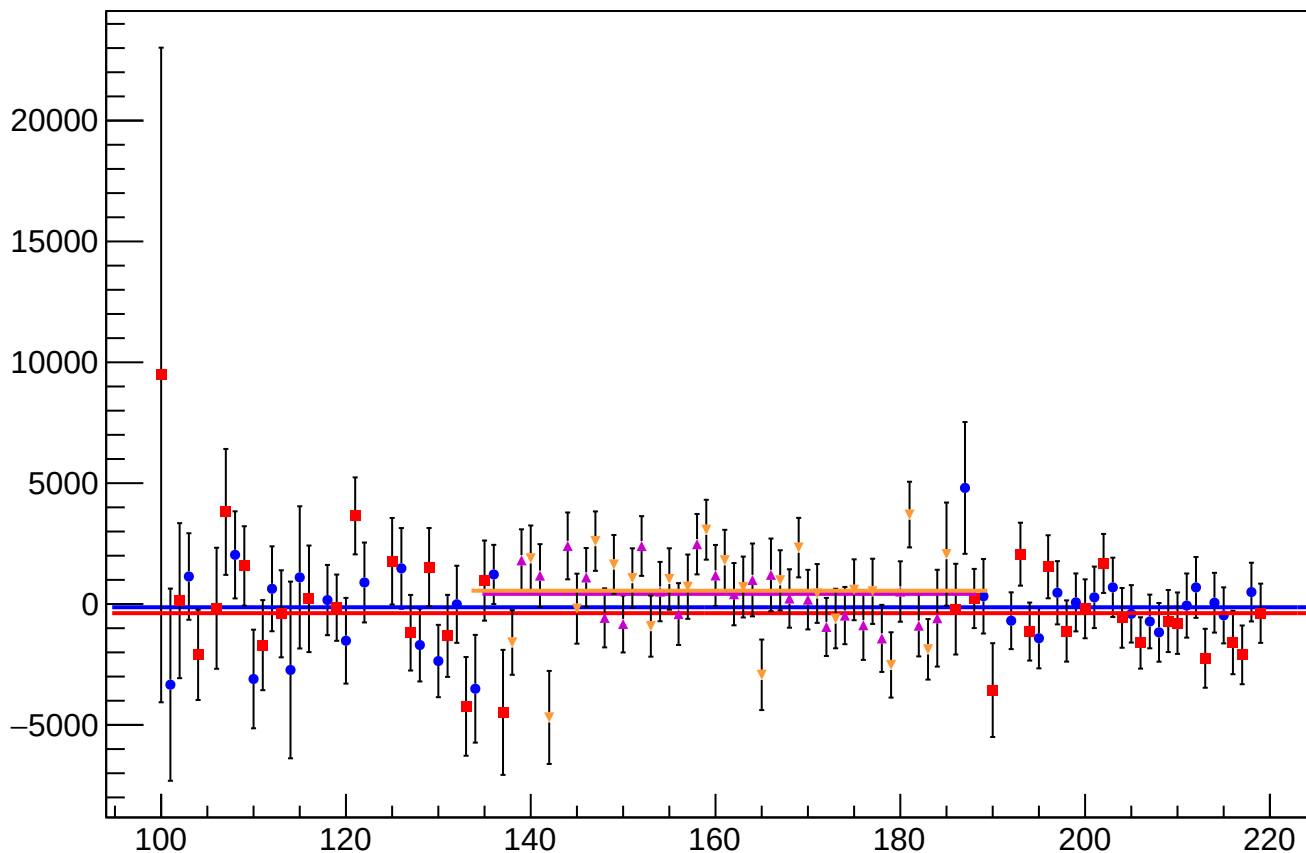
Left In: 3625.940 $\pm$ 0.611 χ^2 /NDF: 1257928.4/22

+ sign 3182.575 $\pm$ 0.387 χ^2 /NDF: 8700299.4/55

All: 2608.889 $\pm$ 0.243 χ^2 /NDF: 38784618.7/1

- sign 2237.967 $\pm$ 0.311 χ^2 /NDF: 26466552.1/57

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -133.627 ± 257.672 χ^2/NDF : 21.7/31

Left Out: 550.663 ± 269.206 χ^2/NDF : 45.2/23

Right Out: -377.757 ± 254.648 χ^2/NDF : 41.5/34

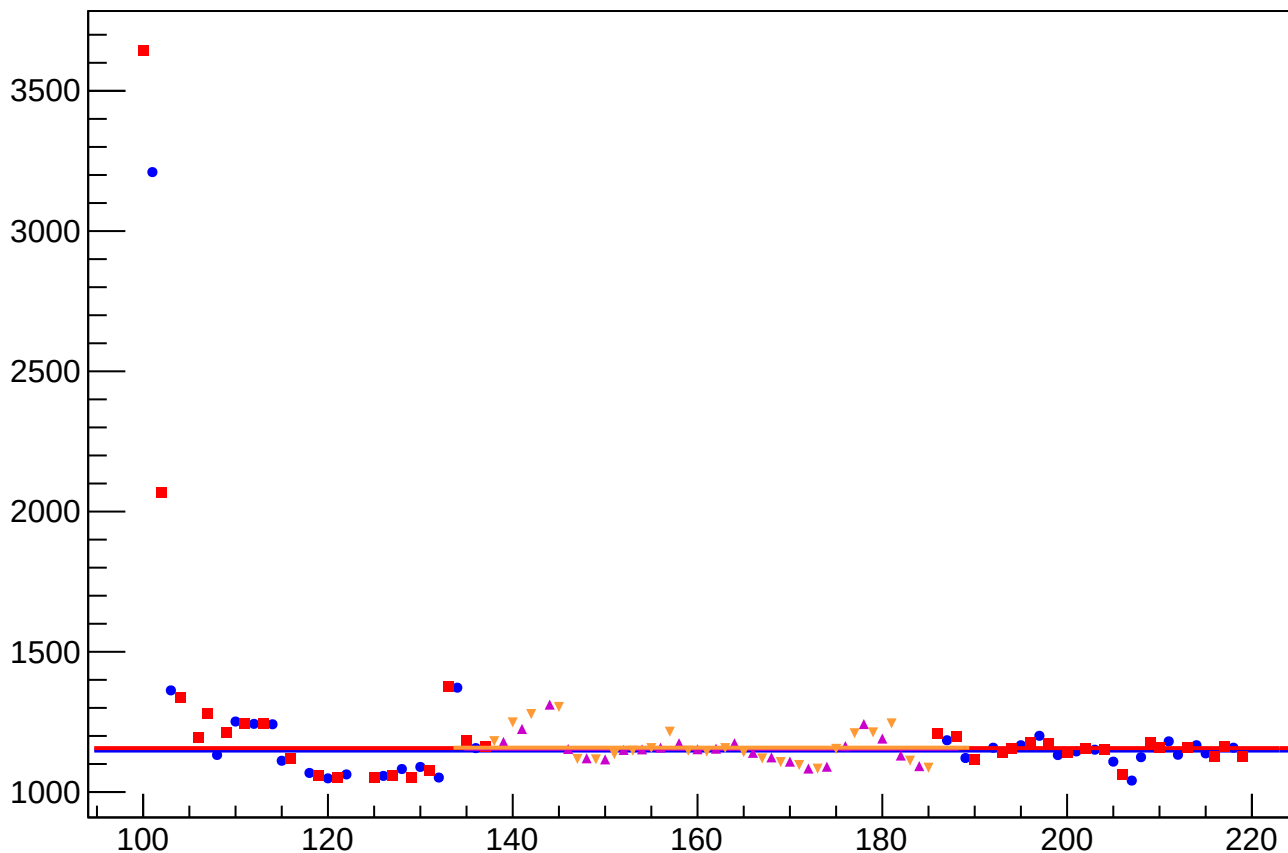
Left In: 421.022 ± 269.815 χ^2/NDF : 18.0/22

+ sign 193.544 ± 186.146 χ^2/NDF : 70.3/55

All: 95.547 ± 131.287 χ^2/NDF : 135.0/113

- sign -1.449 ± 185.193 χ^2/NDF : 64.2/57

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1147.868+/-0.182 χ^2/NDF : 666647.9/31

Left Out: 1158.178+/-0.190 χ^2/NDF : 84114.3/23

Right Out: 1156.575+/-0.180 χ^2/NDF : 358334.4/34

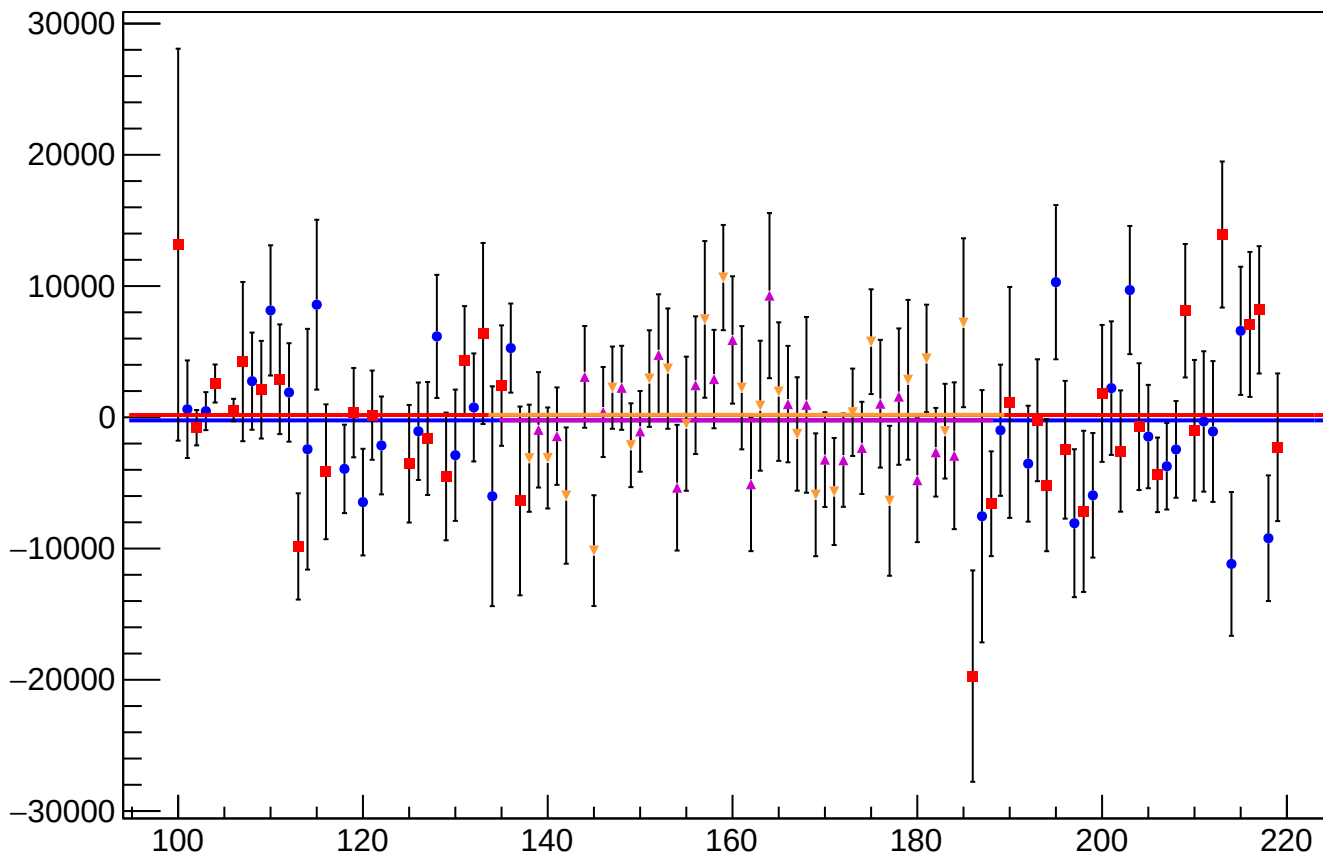
Left In: 1154.232+/-0.191 χ^2/NDF : 66479.5/22

+ sign 1152.798+/-0.132 χ^2/NDF : 752292.8/55

All: 1154.141+/-0.093 χ^2/NDF : 1177394.0/11

- sign 1155.471+/-0.131 χ^2/NDF : 424893.7/57

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: -233.873 ± 704.455 χ^2/NDF : 38.4/31

Left Out: 189.735 ± 869.434 χ^2/NDF : 29.3/23

Right Out: 173.776 ± 511.271 χ^2/NDF : 44.8/34

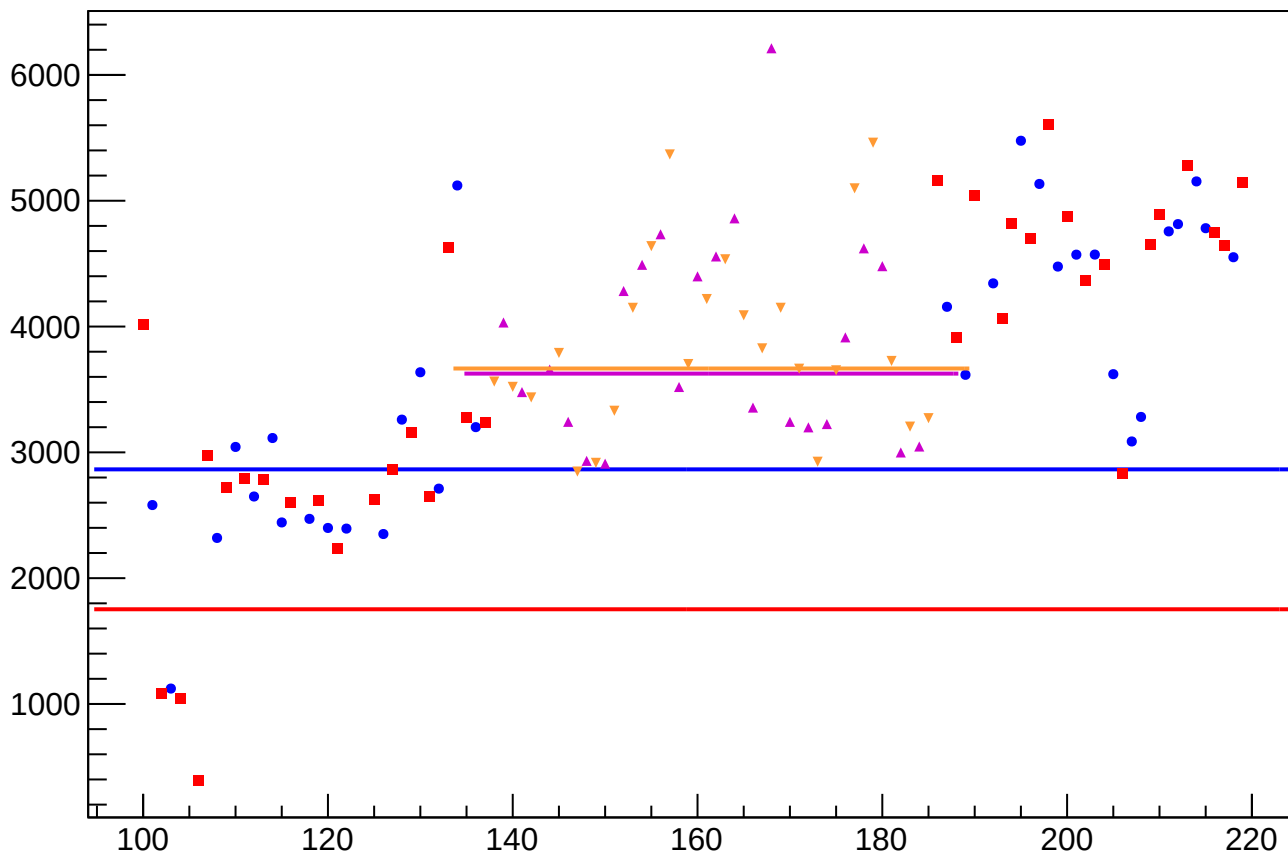
Left In: -221.363 ± 864.776 χ^2/NDF : 13.4/22

+ sign -65.990 ± 547.341 χ^2/NDF : 67.8/55

All: 17.471 ± 342.982 χ^2/NDF : 126.1/113

- sign 71.433 ± 440.108 χ^2/NDF : 58.3/57

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 2864.852 $\pm$ 0.498 χ^2 /NDF: 6577972.0/31

Left Out: 3666.541 $\pm$ 0.615 χ^2 /NDF: 1095834.2/23

Right Out: 1752.776 $\pm$ 0.362 χ^2 /NDF: 18255970.8/34

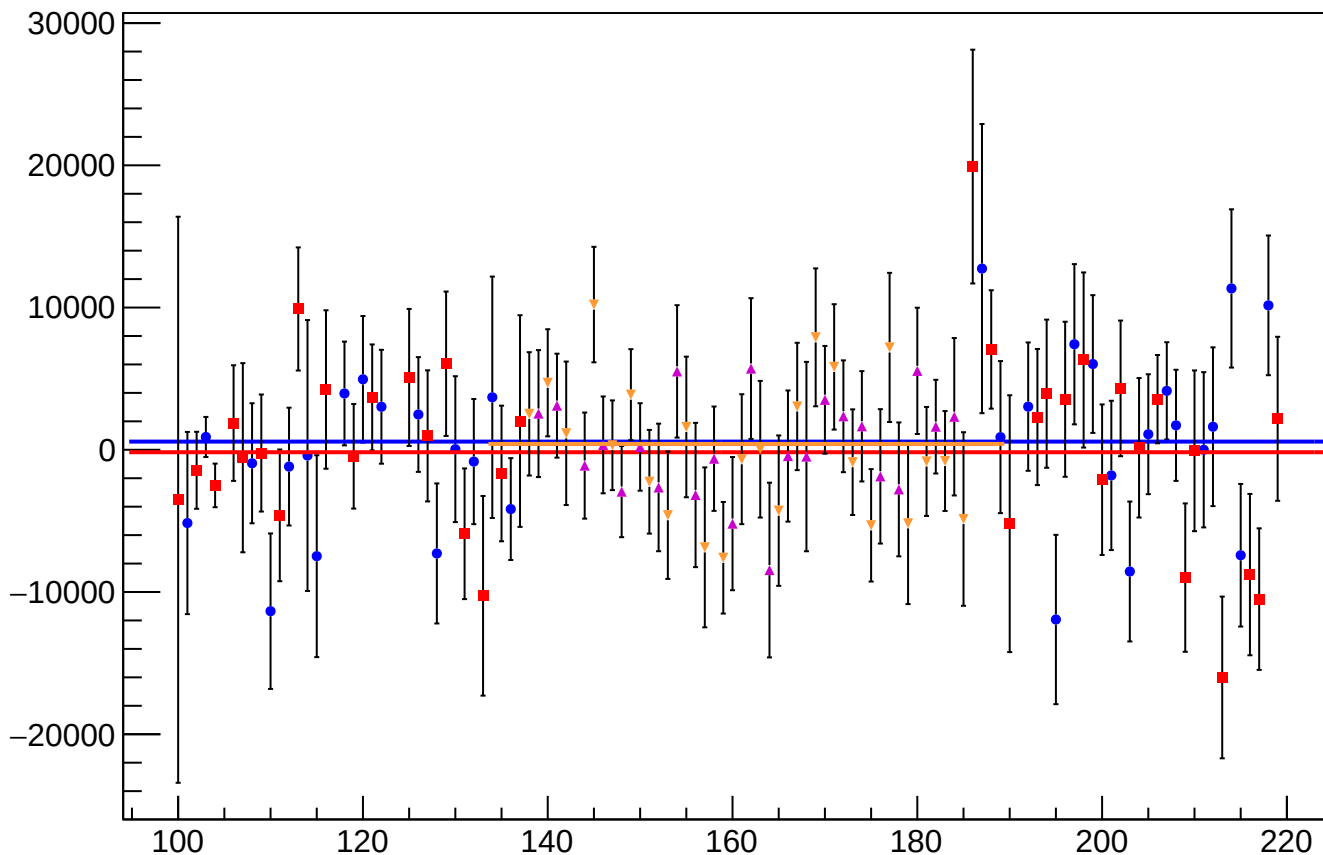
Left In: 3625.945 $\pm$ 0.611 χ^2 /NDF: 1257933.0/22

+ sign 3182.575 $\pm$ 0.387 χ^2 /NDF: 8700351.3/55

All: 2608.868 $\pm$ 0.243 χ^2 /NDF: 38785561.8/100

- sign 2237.938 $\pm$ 0.311 χ^2 /NDF: 26467203.0/57

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 575.392 $\pm$ 737.230 χ^2 /NDF: 38.1/31

Left Out: 413.494 $\pm$ 865.331 χ^2 /NDF:27.2/23

Right Out: -171.562 $\pm$ 726.493 χ^2 /NDF: 49.0/34

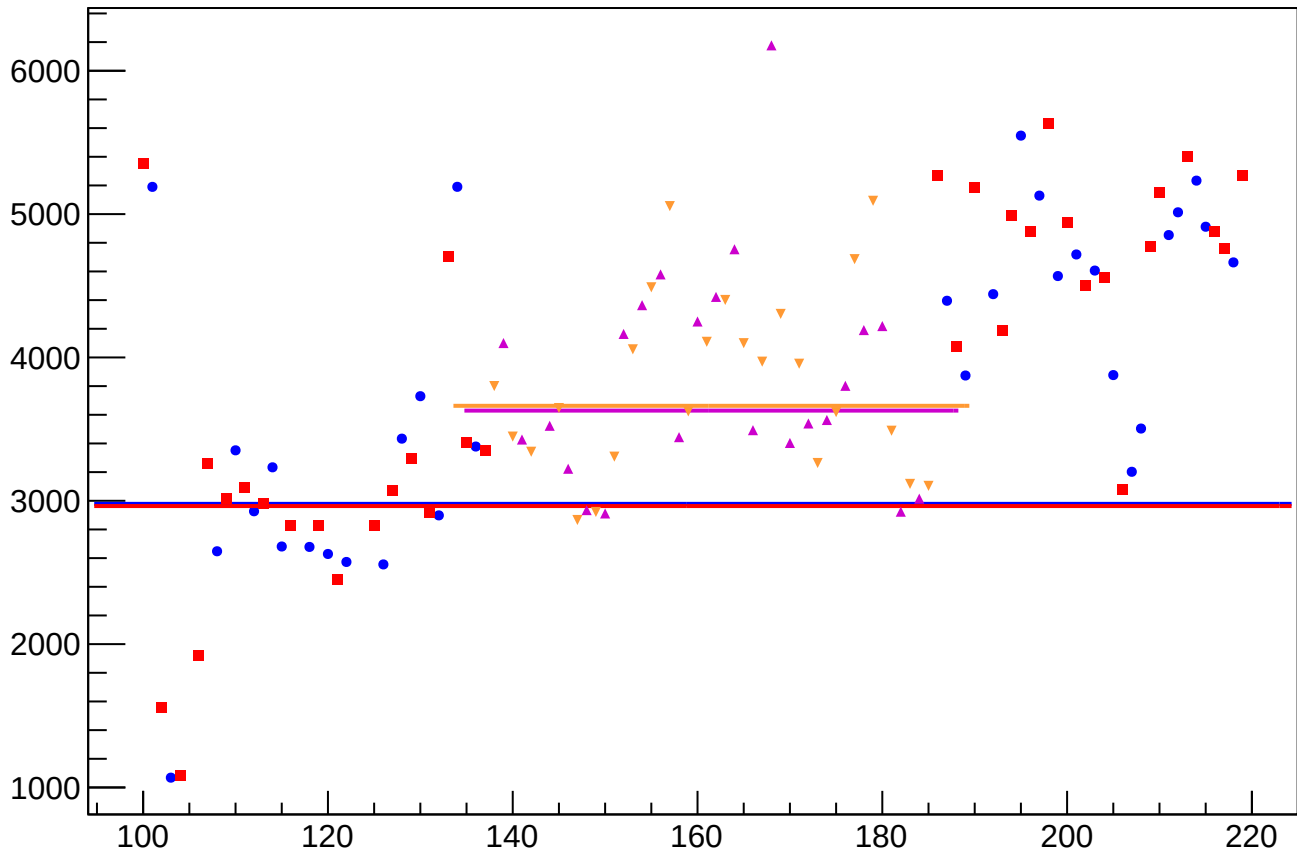
Left In: 403.543 $\pm$ 862.437 χ^2 /NDF:12.3/22

+ sign 507.302 $\pm$ 561.180 χ^2 /NDF: 65.3/55

All: 285.035 $\pm$ 394.837 χ^2 /NDF: 127.2/113

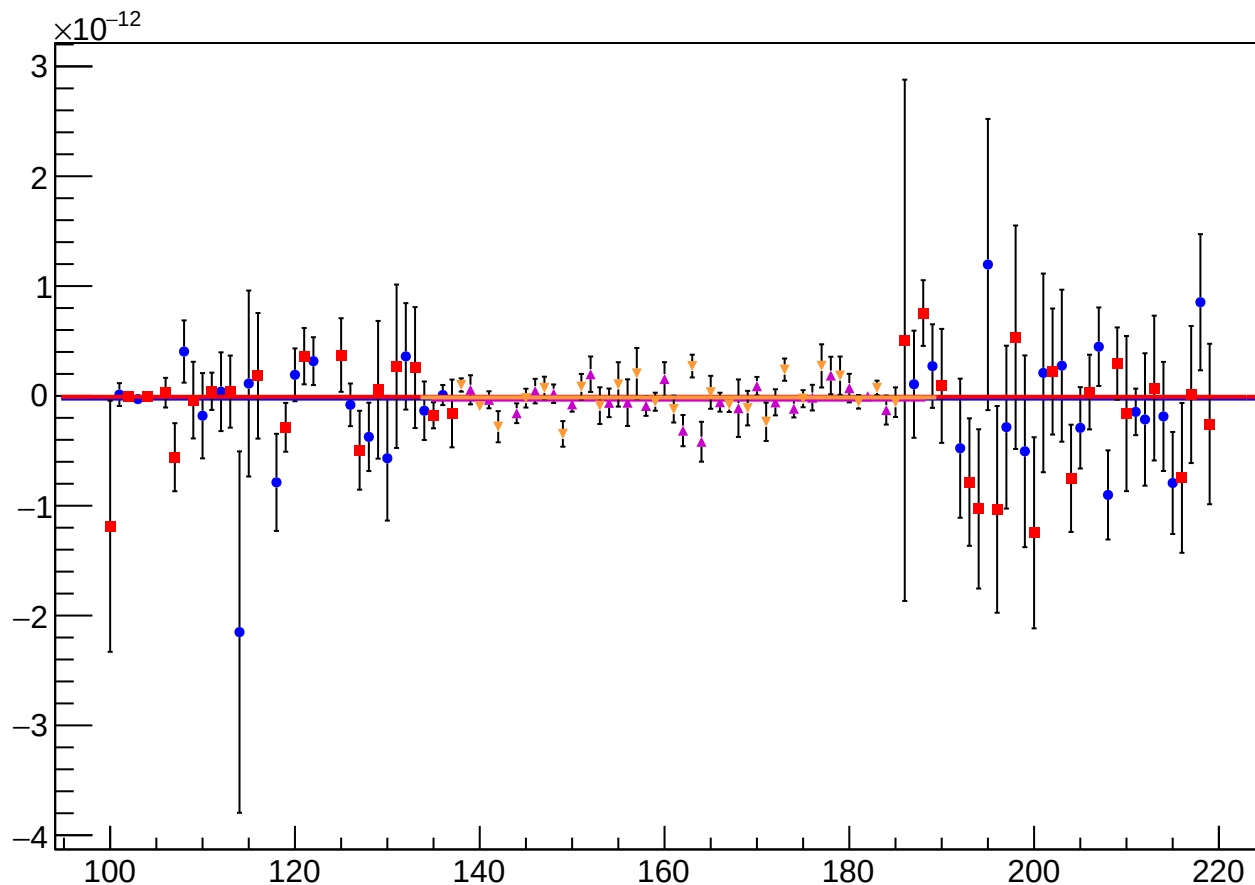
- sign 67.144 $\pm$ 555.630 χ^2 /NDF: 61.6/57

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2978.579+/-0.521	χ^2/NDF : 7354906.4/31	+ sign 3266.284+/-0.397	χ^2/NDF : 8972615.9/55
Left Out: 3662.662+/-0.612	χ^2/NDF : 893468.3/23	All: 3252.567+/-0.279	χ^2/NDF : 18552816.2/1
Right Out: 2963.245+/-0.513	χ^2/NDF : 7824464.8/34	- sign 3239.144+/-0.393	χ^2/NDF : 9577836.0/57
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+/-0.000 χ^2/NDF : 28.7/31

Left Out: -0.000+/-0.000 χ^2/NDF : 45.3/23

Right Out: -0.000+/-0.000 χ^2/NDF : 32.5/34

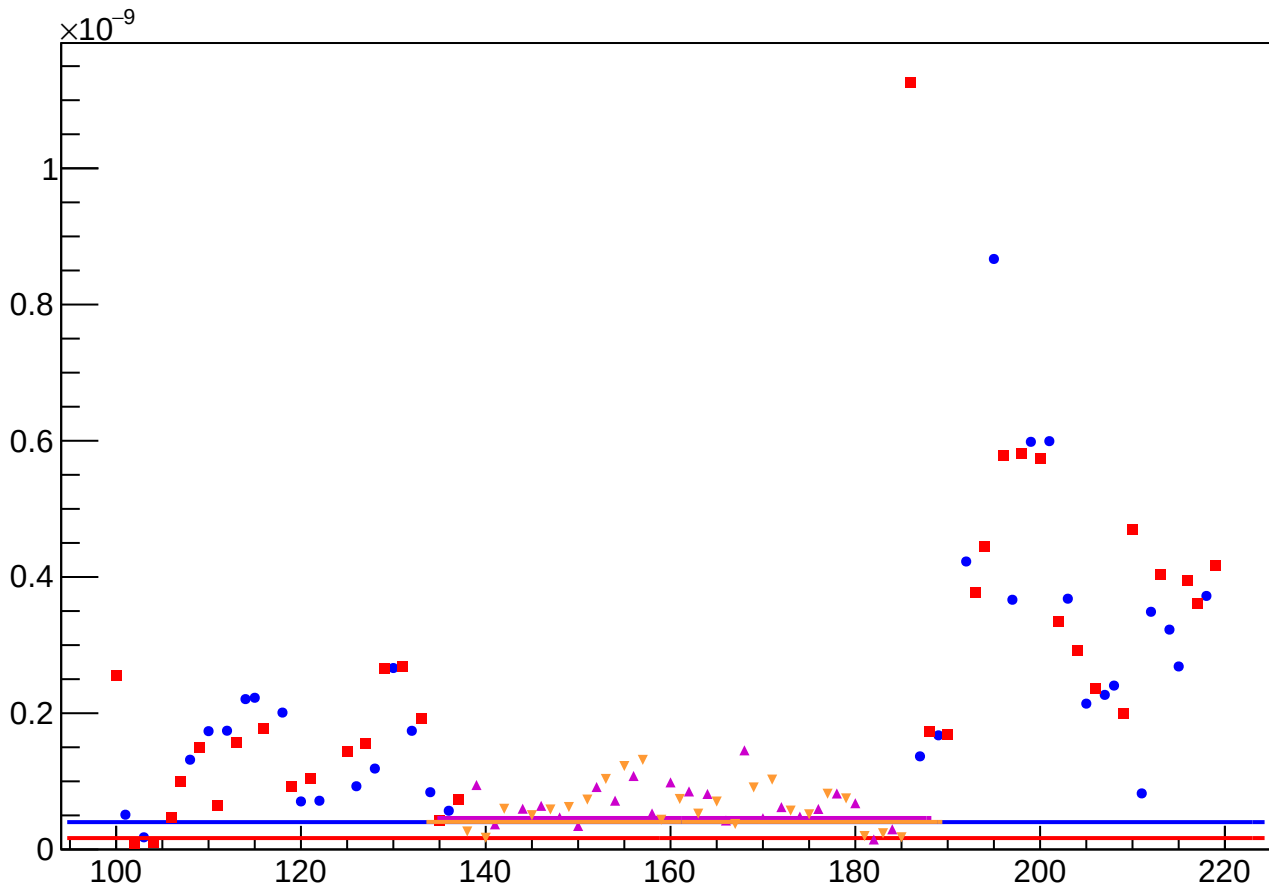
Left In: -0.000+/-0.000 χ^2/NDF : 22.9/22

+ sign -0.000+/-0.000 χ^2/NDF : 74.1/55

All: -0.000+/-0.000 χ^2/NDF : 130.5/113

- sign -0.000+/-0.000 χ^2/NDF : 56.4/57

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11275303.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 14585456.9/34

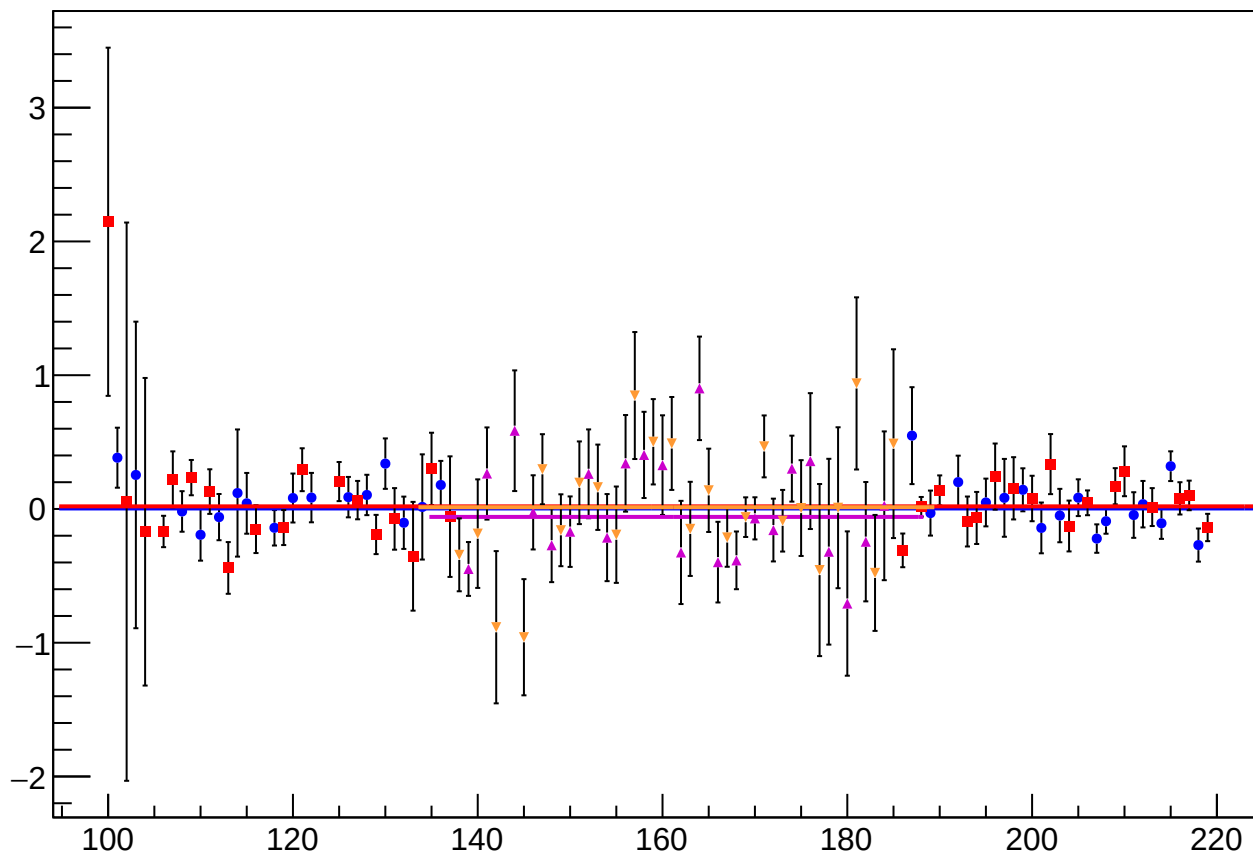
Left In: 0.000+/-0.000 χ^2/NDF : 2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 14707747.2/55

All: 0.000+/-0.000 χ^2/NDF : 35999809.6/113

- sign 0.000+/-0.000 χ^2/NDF : 20318612.3/57

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.029 χ^2/NDF : 35.6/31

Left Out: 0.013 ± 0.063 χ^2/NDF : 29.3/23

Right Out: 0.019 ± 0.026 χ^2/NDF : 45.0/34

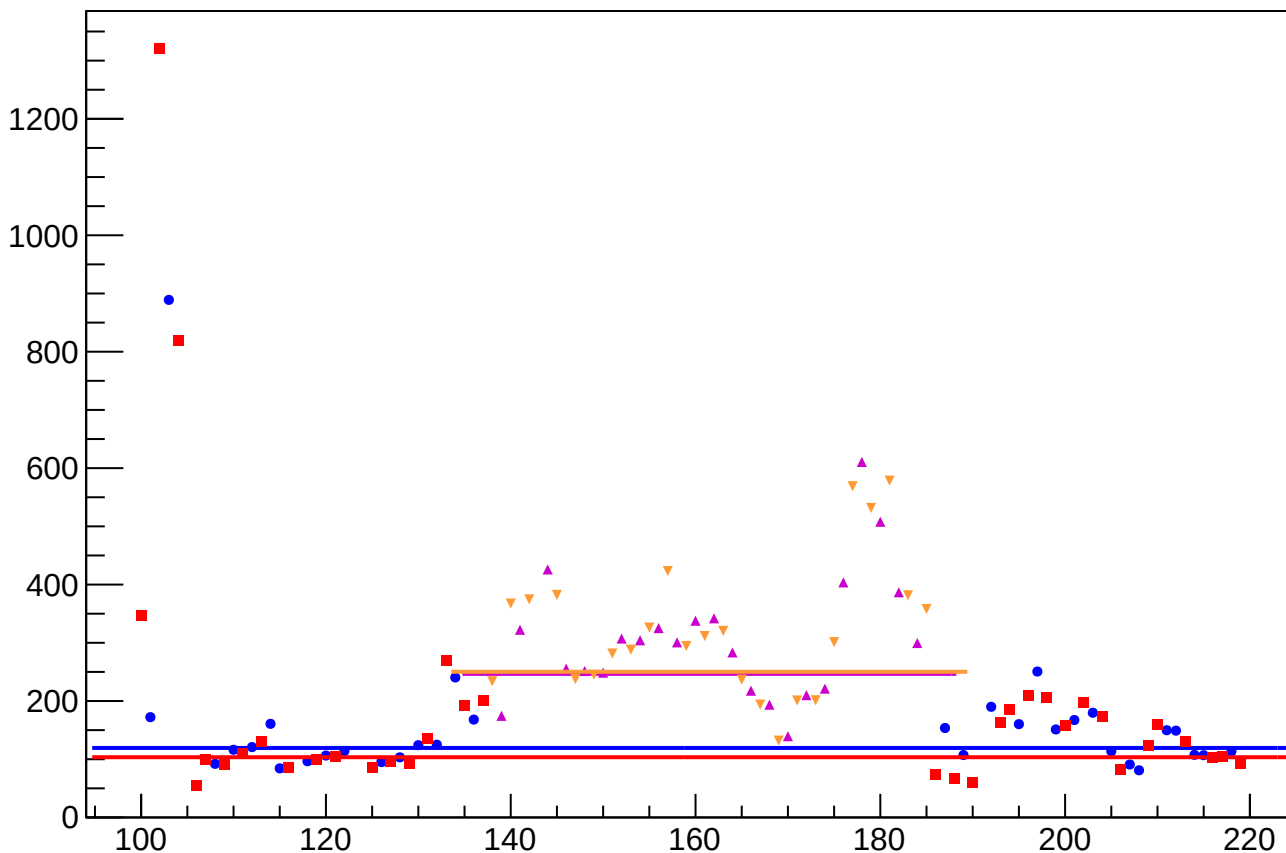
Left In: -0.059 ± 0.062 χ^2/NDF : 27.9/22

+ sign 0.005 ± 0.026 χ^2/NDF : 65.0/55

All: 0.007 ± 0.018 χ^2/NDF : 139.3/113

- sign 0.008 ± 0.024 χ^2/NDF : 74.3/57

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 119.387 $\pm$ 0.020 χ^2 /NDF: 3467455.0/31

Left Out: 250.247 $\pm$ 0.045 χ^2 /NDF: 4353162.7/23

Right Out: 103.449 $\pm$ 0.018 χ^2 /NDF: 6151361.7/34

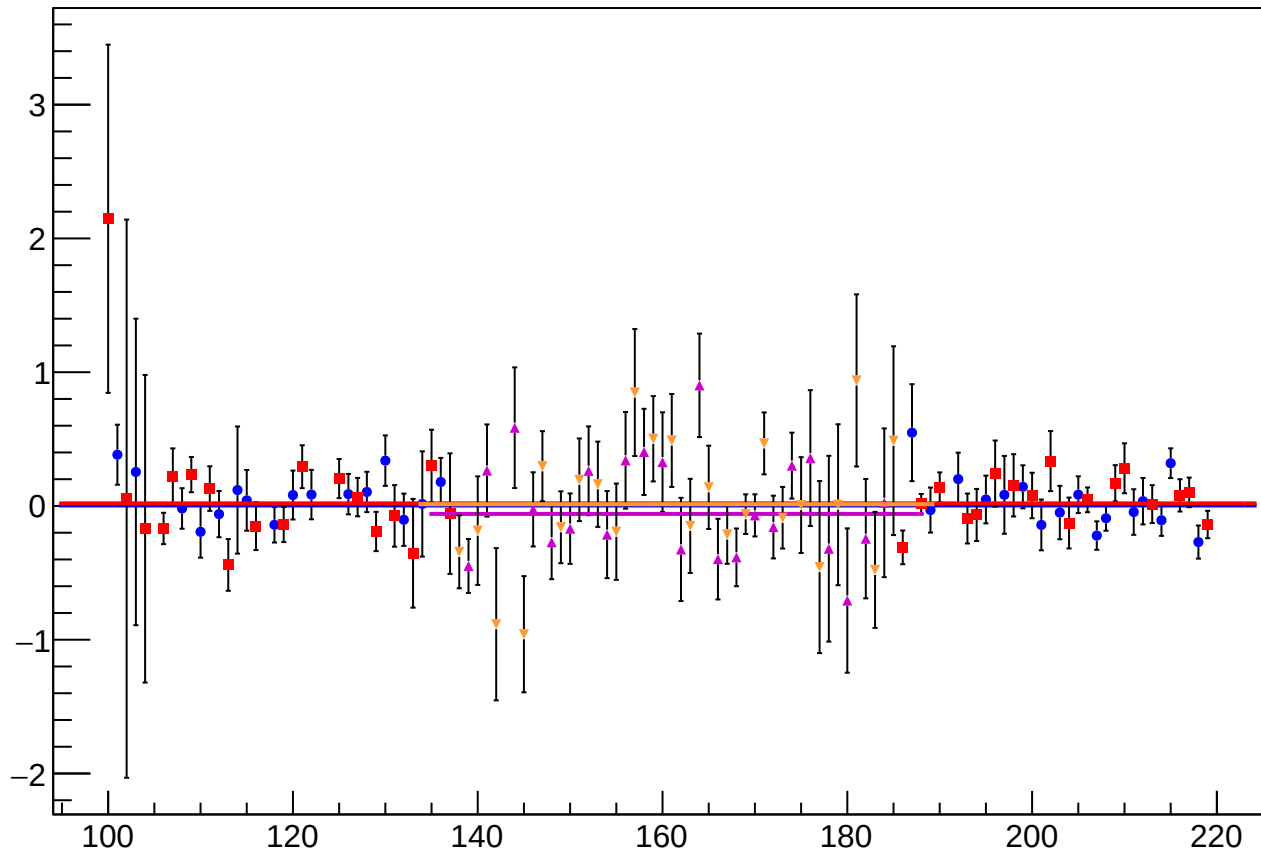
Left In: 246.630 $\pm$ 0.044 χ^2 /NDF: 3773083.4/22

+ sign 142.244 $\pm$ 0.019 χ^2 /NDF: 14940572.8/55

All: 132.302 $\pm$ 0.012 χ^2 /NDF: 34491616.4/1

- sign 124.280 $\pm$ 0.017 χ^2 /NDF: 19035915.7/57

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.029 χ^2/NDF : 35.6/31

Left Out: 0.013 ± 0.063 χ^2/NDF : 29.3/23

Right Out: 0.019 ± 0.026 χ^2/NDF : 45.0/34

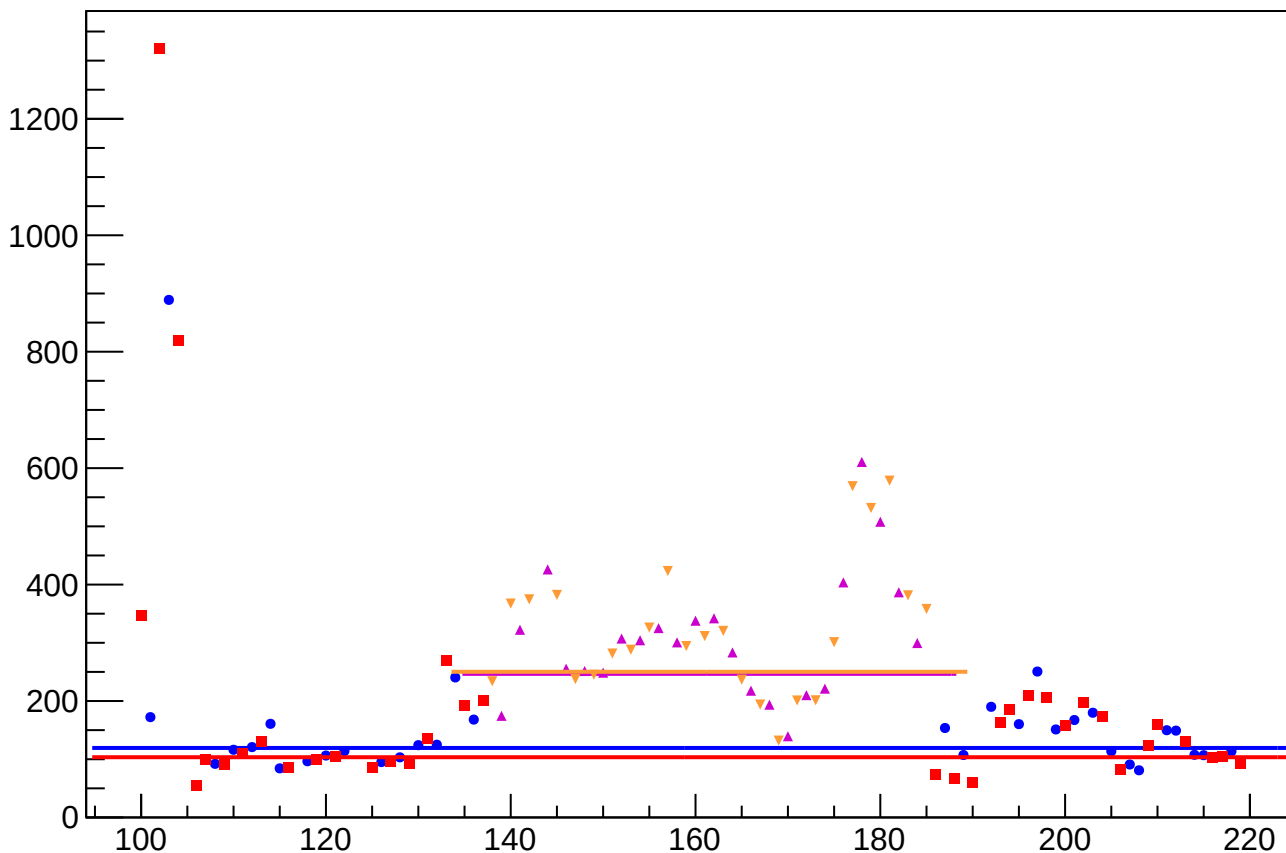
Left In: -0.059 ± 0.062 χ^2/NDF : 27.9/22

+ sign 0.005 ± 0.026 χ^2/NDF : 65.0/55

All: 0.007 ± 0.018 χ^2/NDF : 139.3/113

- sign 0.008 ± 0.024 χ^2/NDF : 74.3/57

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 119.387+/-0.020 χ^2/NDF : 3467455.0/31

Left Out: 250.247+/-0.045 χ^2/NDF : 4353162.7/23

Right Out: 103.449+/-0.018 χ^2/NDF : 6151361.7/34

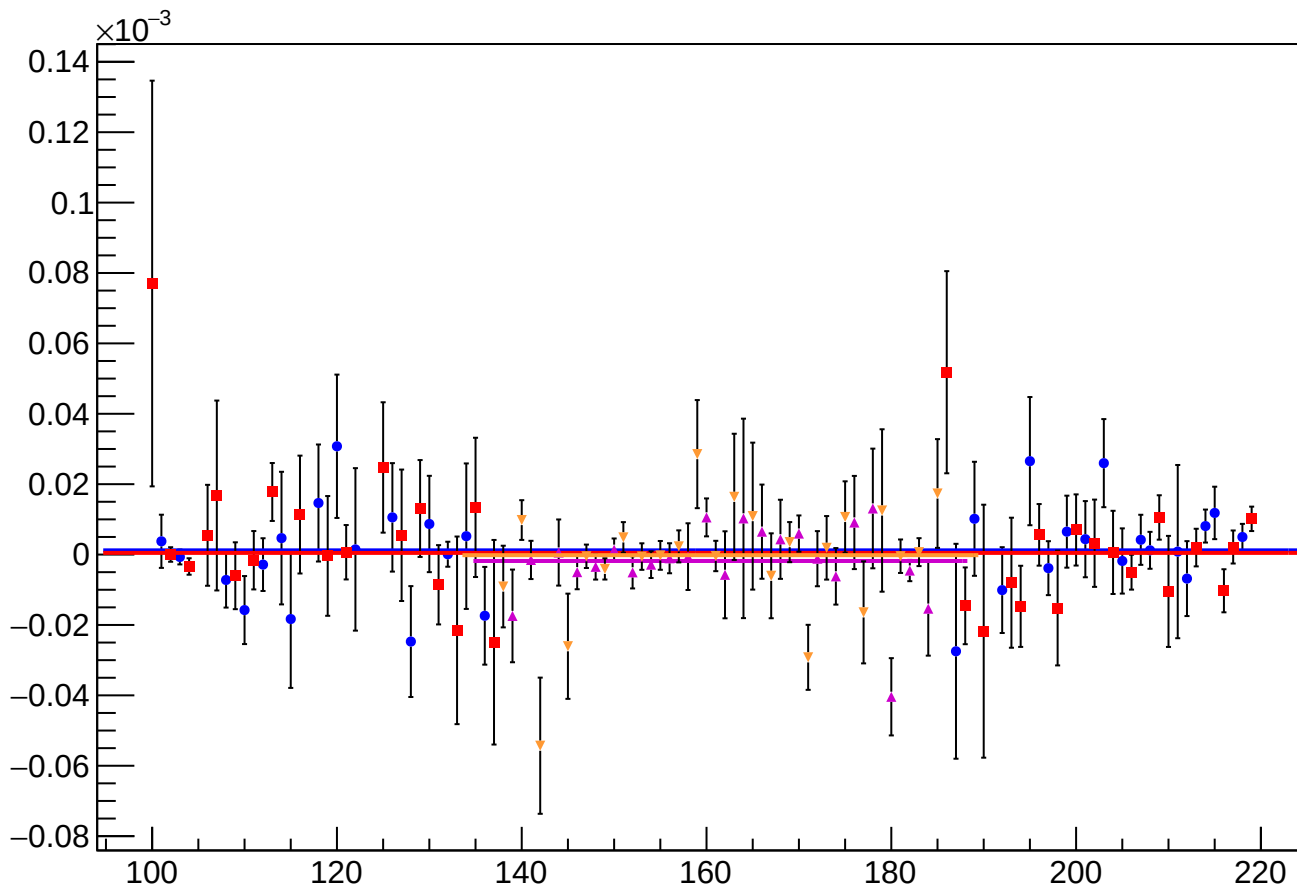
Left In: 246.630+/-0.044 χ^2/NDF : 3773083.4/22

+ sign 142.244+/-0.019 χ^2/NDF : 14940572.8/55

All: 132.302+/-0.012 χ^2/NDF : 34491616.4/11

- sign 124.280+/-0.017 χ^2/NDF : 19035915.7/57

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 29.3/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 37.2/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 40.0/34

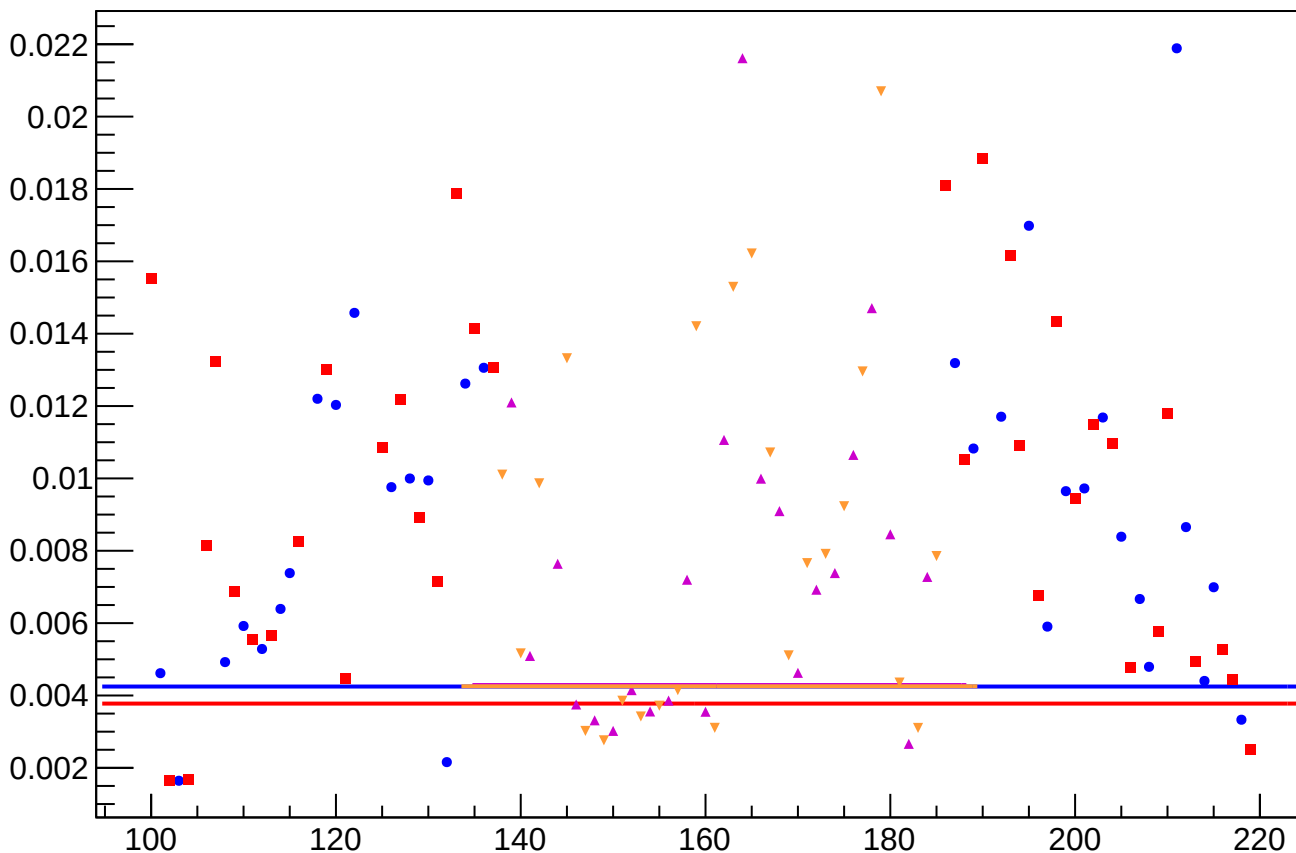
Left In: -0.000 ± 0.000 χ^2/NDF : 28.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 67.1/55

All: -0.000 ± 0.000 χ^2/NDF : 138.2/113

- sign -0.000 ± 0.000 χ^2/NDF : 70.3/57

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 13590651.6/31

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:8492565.6/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 15667845.3/34

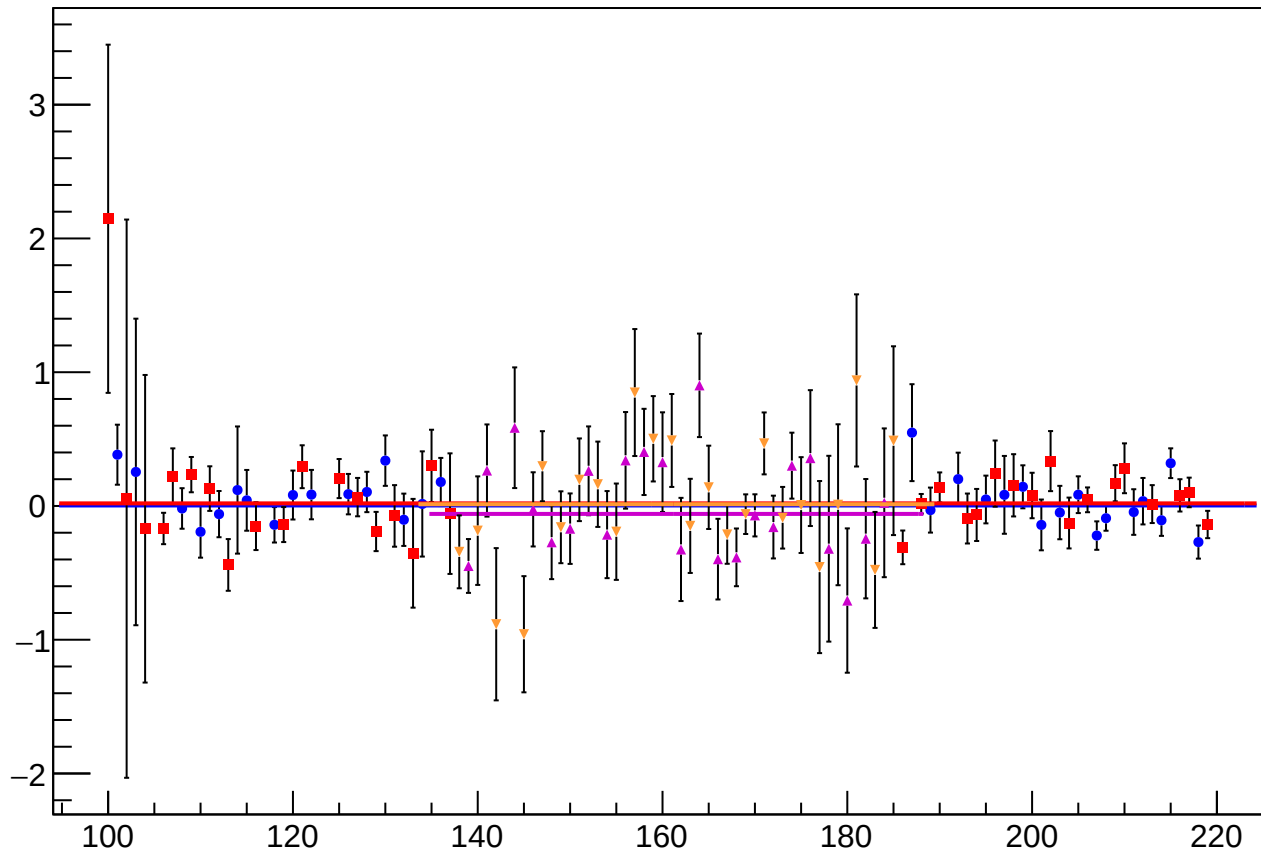
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:6598609.8/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 22083249.2/55

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 44635510.9/113

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 22468286.2/57

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.029 χ^2 /NDF: 35.6/31

Left Out: 0.013 $\pm$ 0.063 χ^2 /NDF: 29.3/23

Right Out: 0.019 $\pm$ 0.026 χ^2 /NDF: 45.0/34

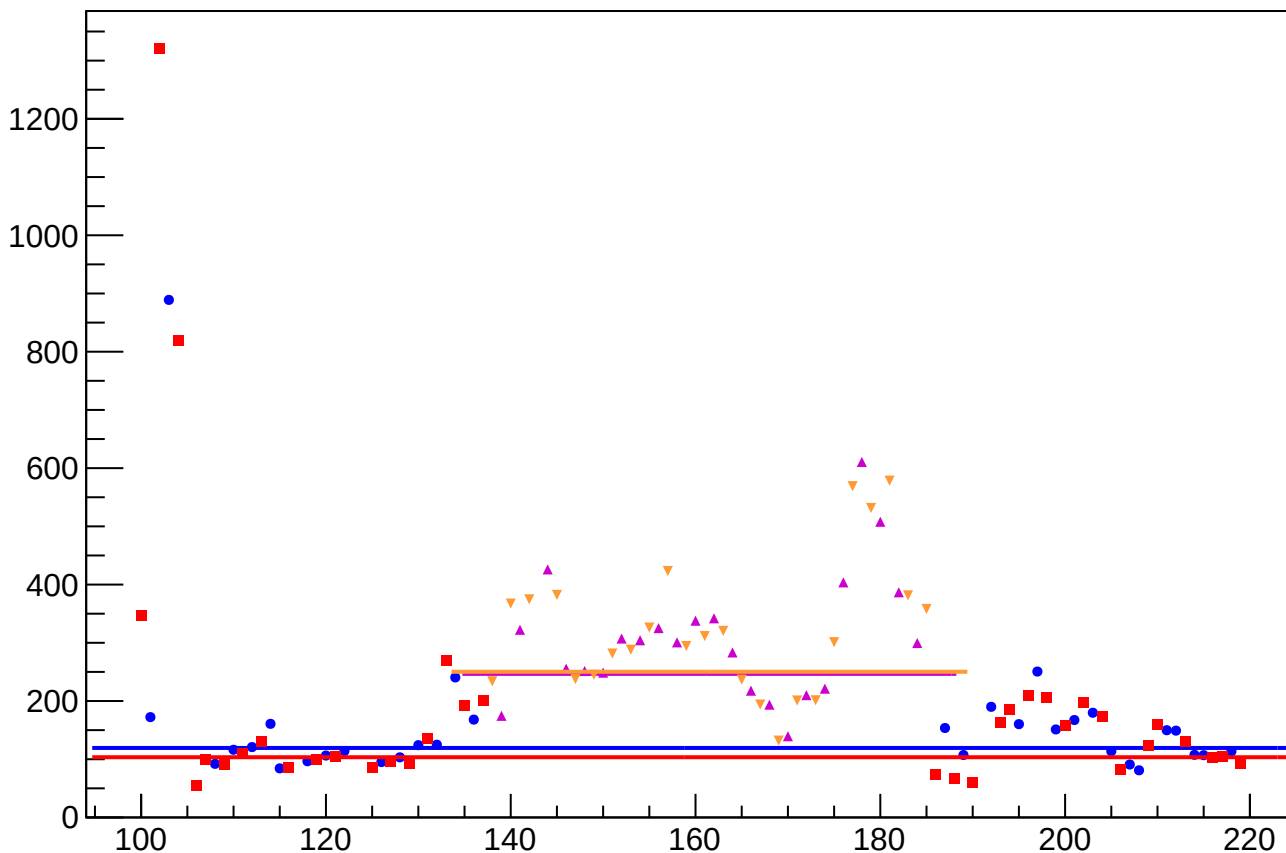
Left In: -0.059 $\pm$ 0.062 χ^2 /NDF: 27.9/22

+ sign 0.005 $\pm$ 0.026 χ^2 /NDF: 65.0/55

All: 0.007 $\pm$ 0.018 χ^2 /NDF: 139.3/113

- sign 0.008 $\pm$ 0.024 χ^2 /NDF: 74.3/57

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 119.386 $\pm$ 0.020 χ^2 /NDF: 3467539.2/31

Left Out: 250.248 $\pm$ 0.045 χ^2 /NDF: 4353323.9/23

Right Out: 103.445 $\pm$ 0.018 χ^2 /NDF: 6151926.2/34

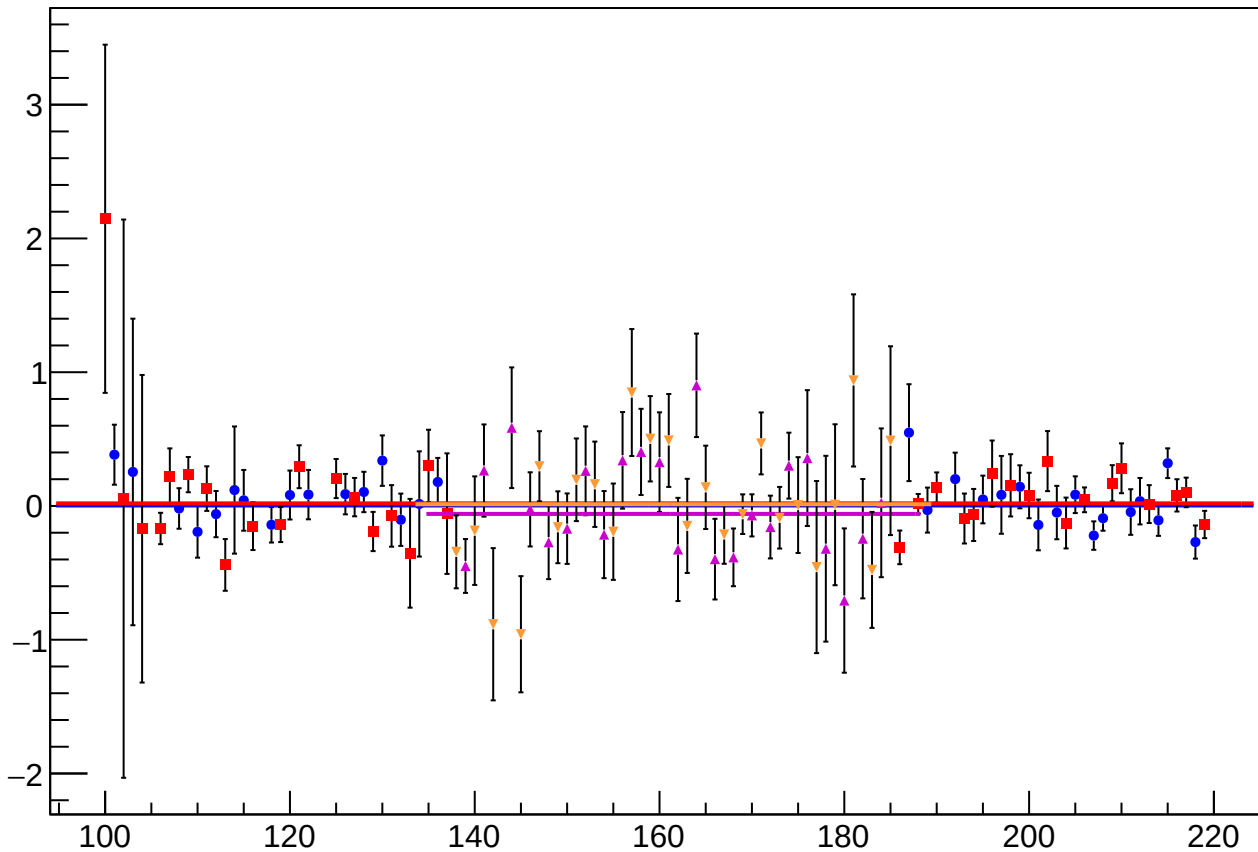
Left In: 246.632 $\pm$ 0.044 χ^2 /NDF: 3773144.3/22

+ sign 142.243 $\pm$ 0.019 χ^2 /NDF: 14940956.9/55

All: 132.299 $\pm$ 0.012 χ^2 /NDF: 34493379.0/1

- sign 124.277 $\pm$ 0.017 χ^2 /NDF: 19037136.2/57

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.029 χ^2/NDF : 35.6/31

Left Out: 0.013 ± 0.063 χ^2/NDF : 29.3/23

Right Out: 0.019 ± 0.026 χ^2/NDF : 45.0/34

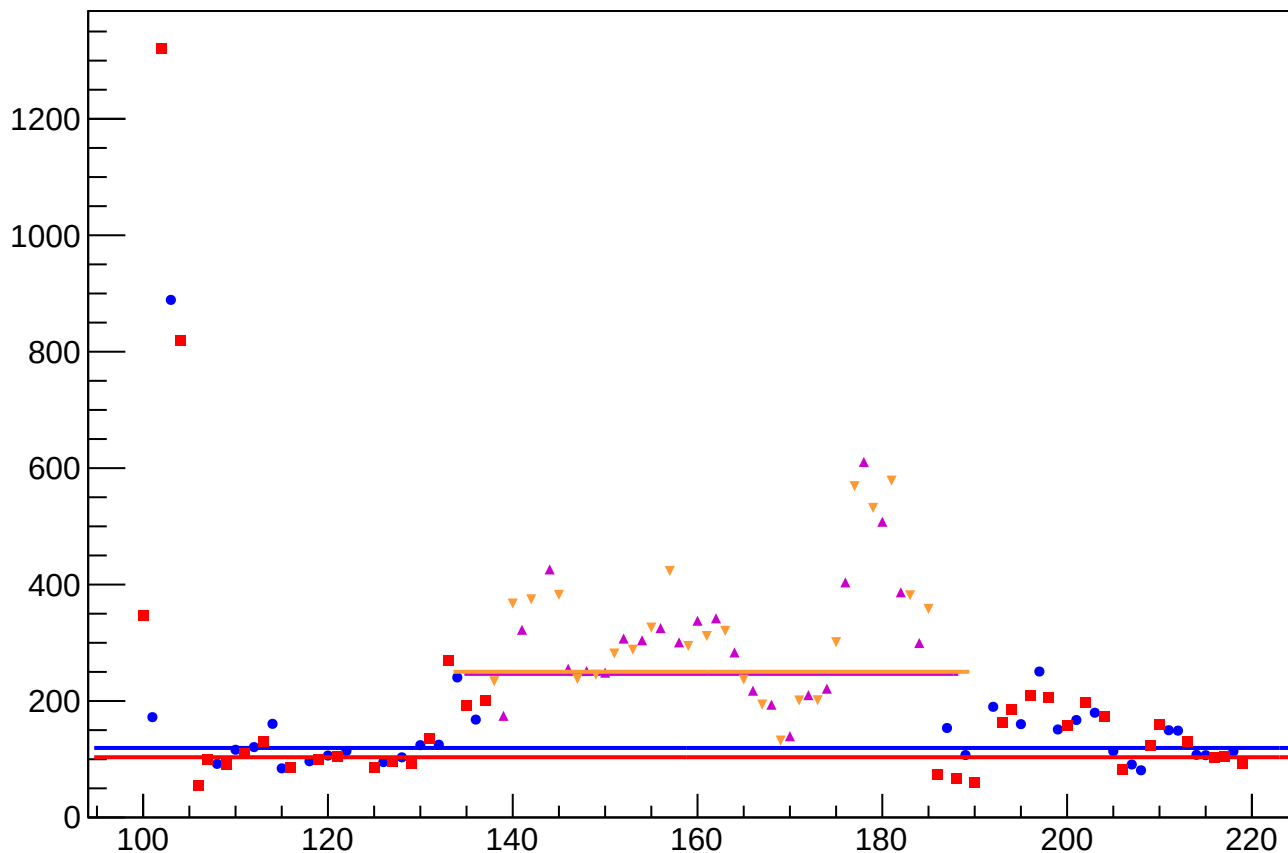
Left In: -0.059 ± 0.062 χ^2/NDF : 27.9/22

+ sign 0.005 ± 0.026 χ^2/NDF : 65.0/55

All: 0.007 ± 0.018 χ^2/NDF : 139.3/113

- sign 0.008 ± 0.024 χ^2/NDF : 74.3/57

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 119.386+/-0.020 χ^2/NDF : 3467539.2/31

Left Out: 250.248+/-0.045 χ^2/NDF : 4353323.9/23

Right Out: 103.445+/-0.018 χ^2/NDF : 6151926.2/34

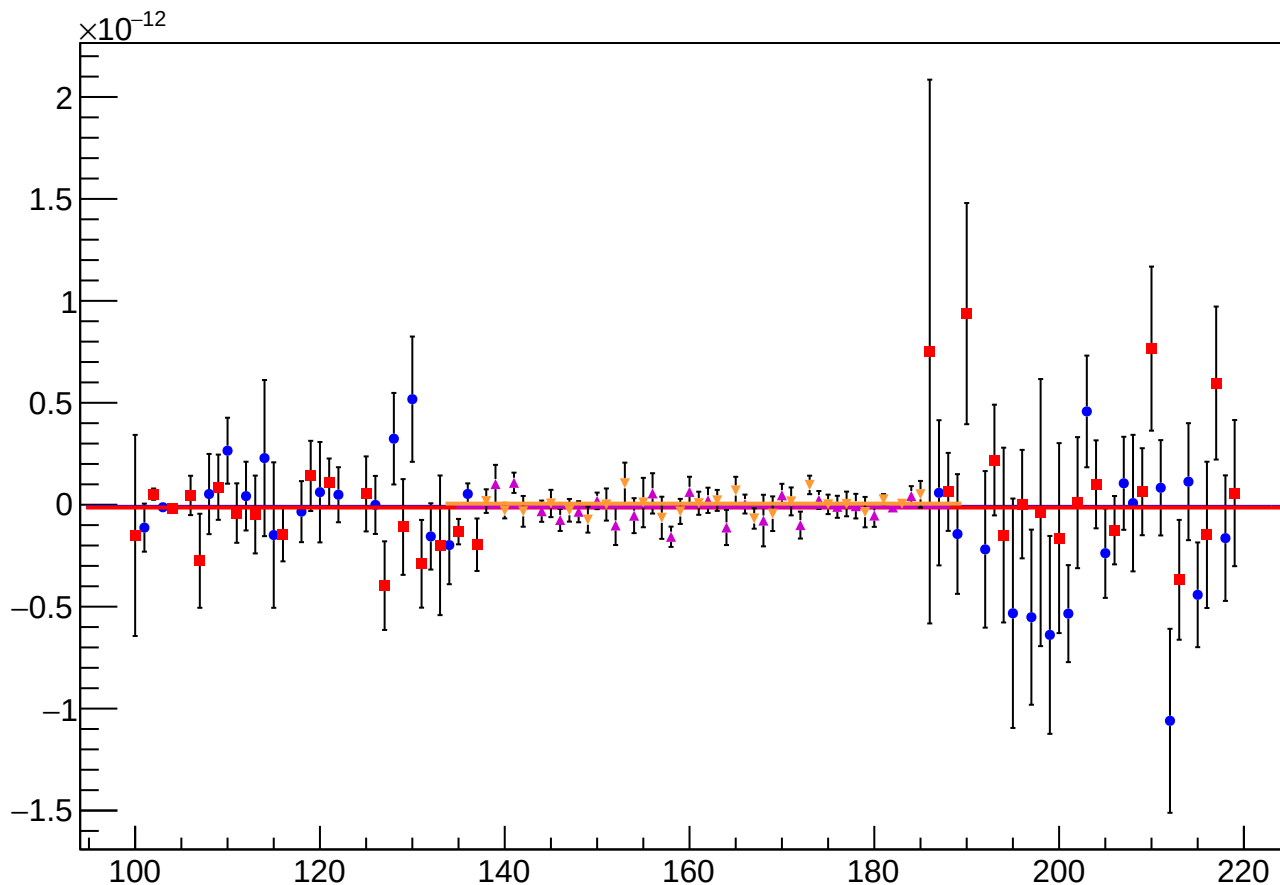
Left In: 246.632+/-0.044 χ^2/NDF : 3773144.3/22

+ sign 142.243+/-0.019 χ^2/NDF : 14940956.9/55

All: 132.299+/-0.012 χ^2/NDF : 34493379.0/11

- sign 124.277+/-0.017 χ^2/NDF : 19037136.2/57

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 35.7/31

Left Out: 0.000+/-0.000 χ^2/NDF :13.8/23

Right Out: -0.000+/-0.000 χ^2/NDF : 35.3/34

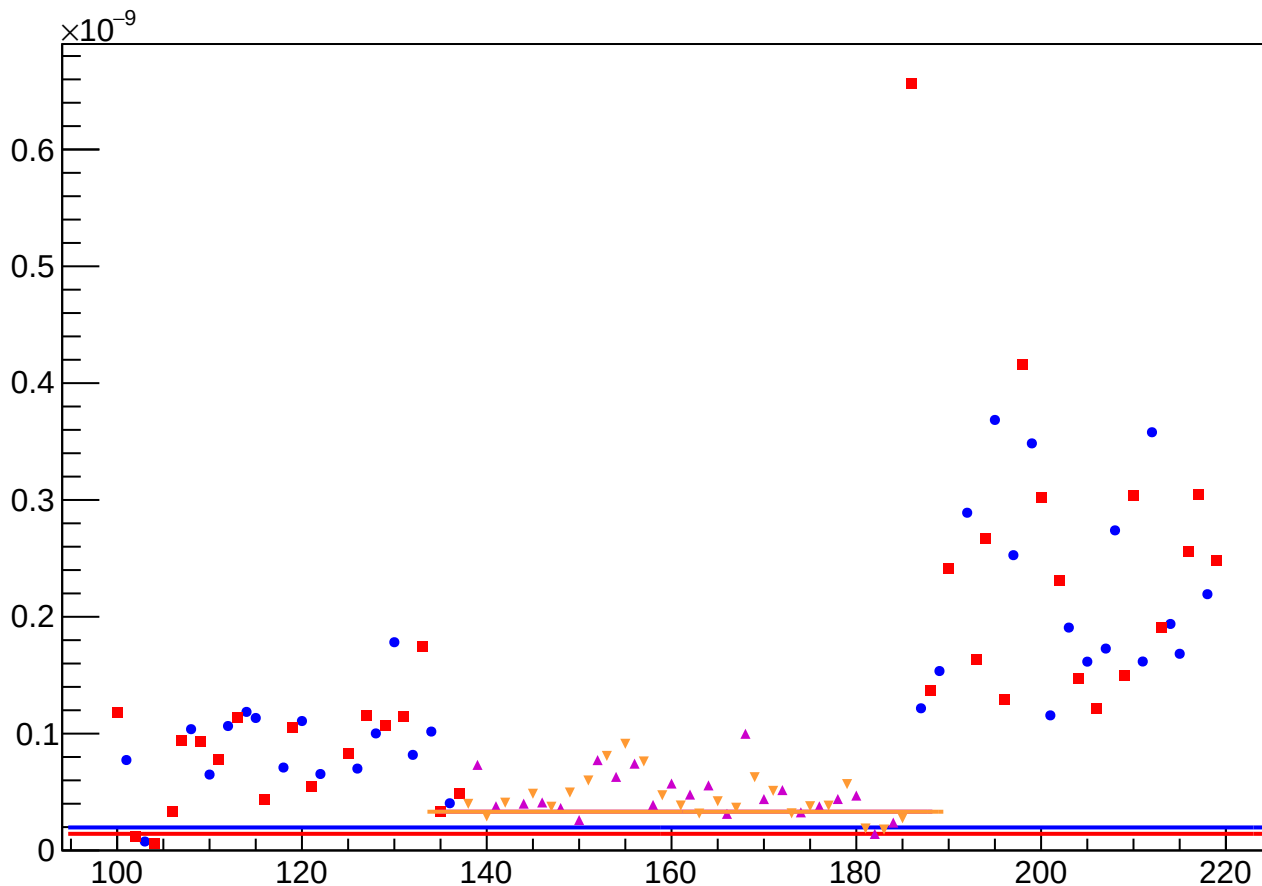
Left In: -0.000+/-0.000 χ^2/NDF :27.9/22

+ sign -0.000+/-0.000 χ^2/NDF : 50.5/55

All: -0.000+/-0.000 χ^2/NDF : 114.8/113

- sign -0.000+/-0.000 χ^2/NDF : 63.3/57

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18135983.0/31

Left Out: 0.000+/-0.000 χ^2/NDF : 4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 18913380.6/34

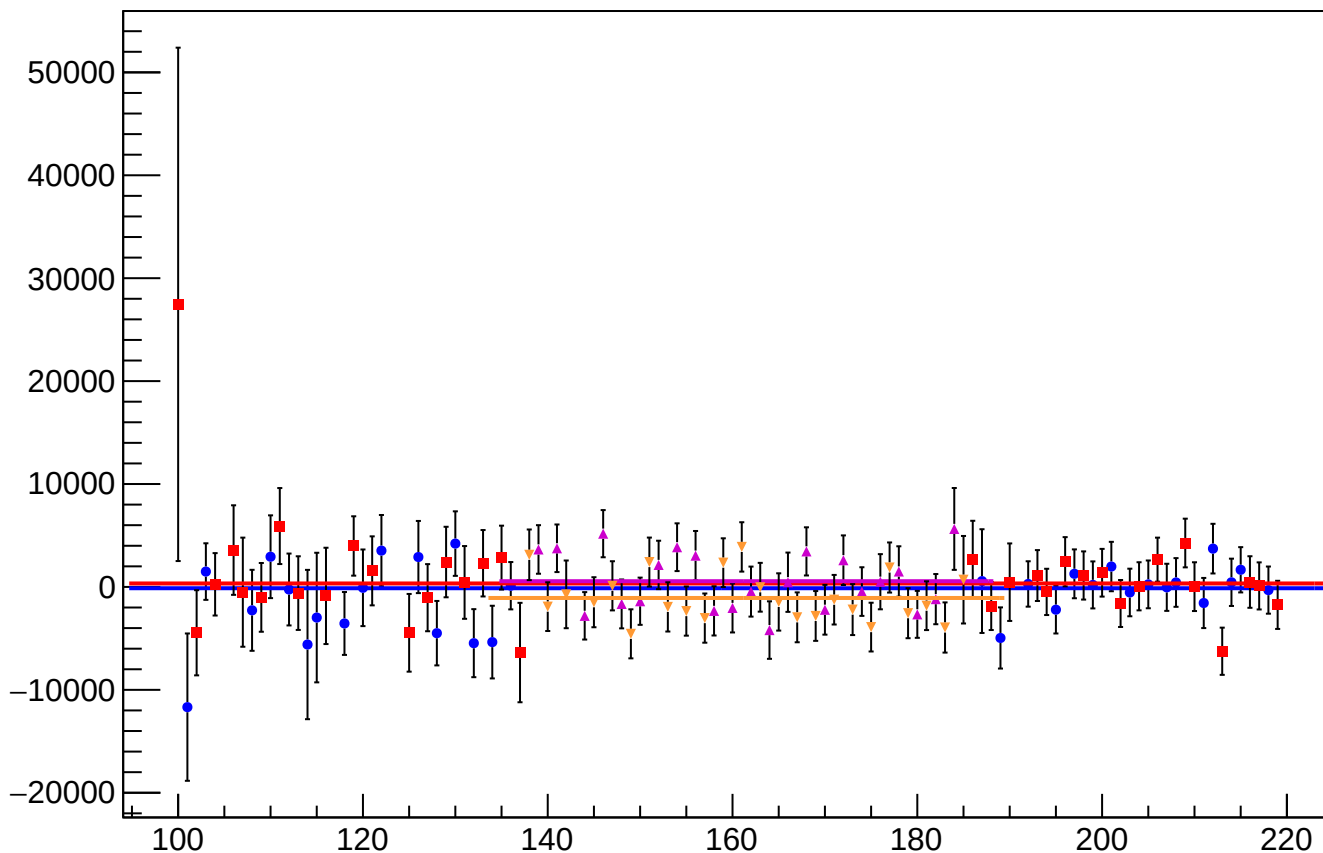
Left In: 0.000+/-0.000 χ^2/NDF : 5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 23550169.9/55

All: 0.000+/-0.000 χ^2/NDF : 51331297.5/113

- sign 0.000+/-0.000 χ^2/NDF : 27440746.6/57

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -126.223 ± 495.672 χ^2/NDF : 24.8/31

Left Out: -1072.863 ± 505.534 χ^2/NDF : 21.6/23

Right Out: 336.877 ± 486.211 χ^2/NDF : 28.9/34

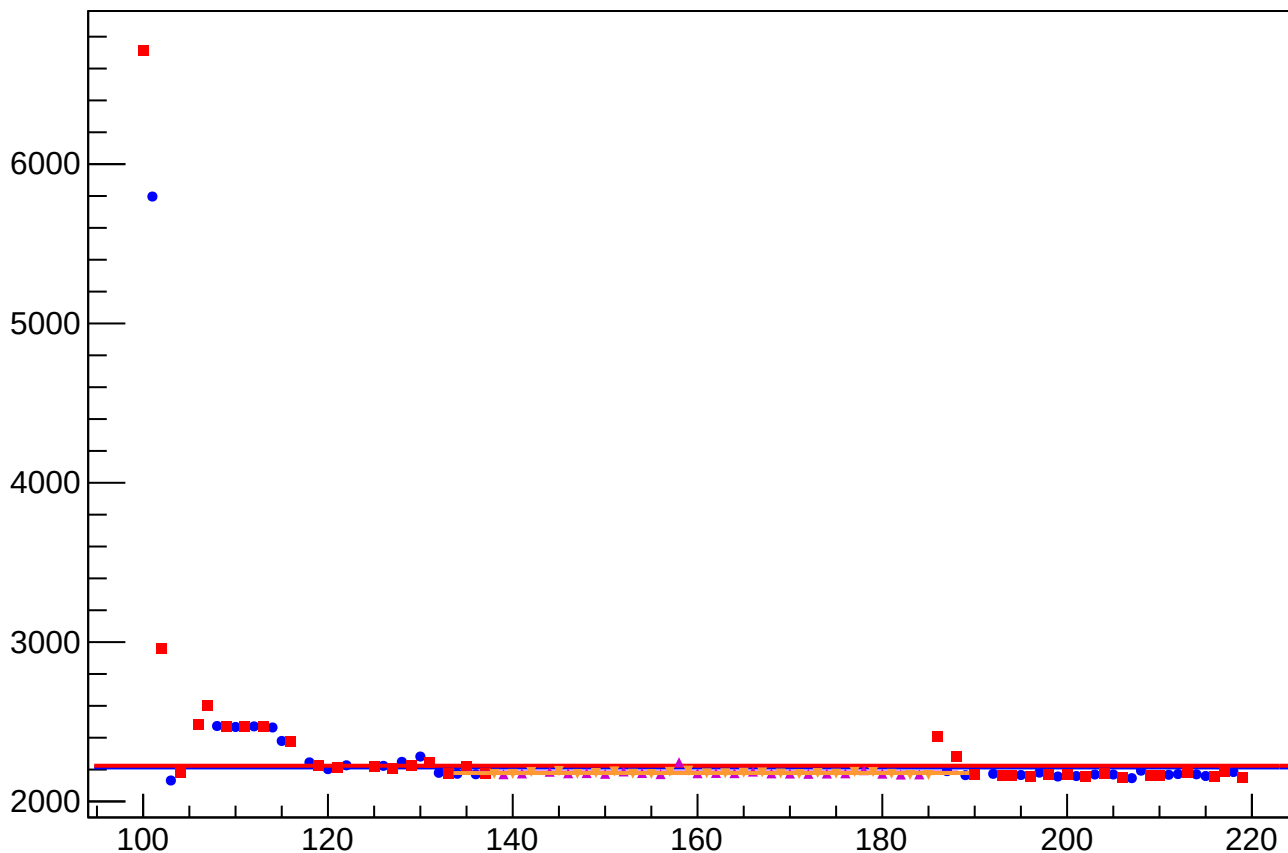
Left In: 557.052 ± 509.208 χ^2/NDF : 28.7/22

+ sign -590.219 ± 353.928 χ^2/NDF : 48.1/55

All: -70.839 ± 249.456 χ^2/NDF : 110.1/113

- sign 441.881 ± 351.652 χ^2/NDF : 57.7/57

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2213.450+/-0.350 χ^2/NDF : 548557.9/31

Left Out: 2178.244+/-0.357 χ^2/NDF : 389.1/23

Right Out: 2224.160+/-0.344 χ^2/NDF : 202422.7/34

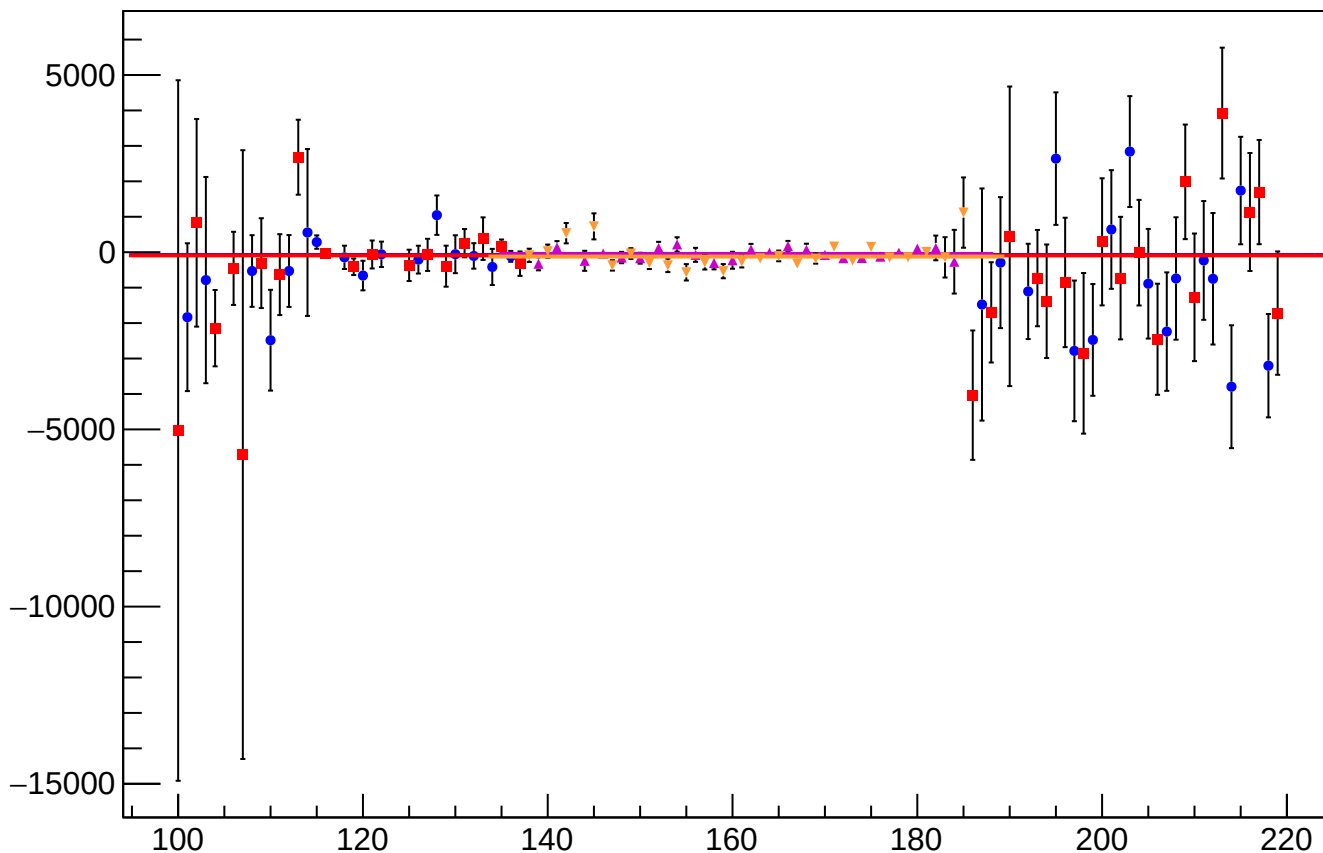
Left In: 2180.919+/-0.360 χ^2/NDF : 1866.2/22

+ sign 2196.194+/-0.250 χ^2/NDF : 553892.4/55

All: 2199.890+/-0.176 χ^2/NDF : 766159.0/113

- sign 2203.538+/-0.249 χ^2/NDF : 211833.3/57

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug



Right In: -78.406 ± 88.865 χ^2/NDF : 38.1/31

Left Out: -123.007 ± 31.408 χ^2/NDF : 43.8/23

Right Out: -89.565 ± 80.776 χ^2/NDF : 38.4/34

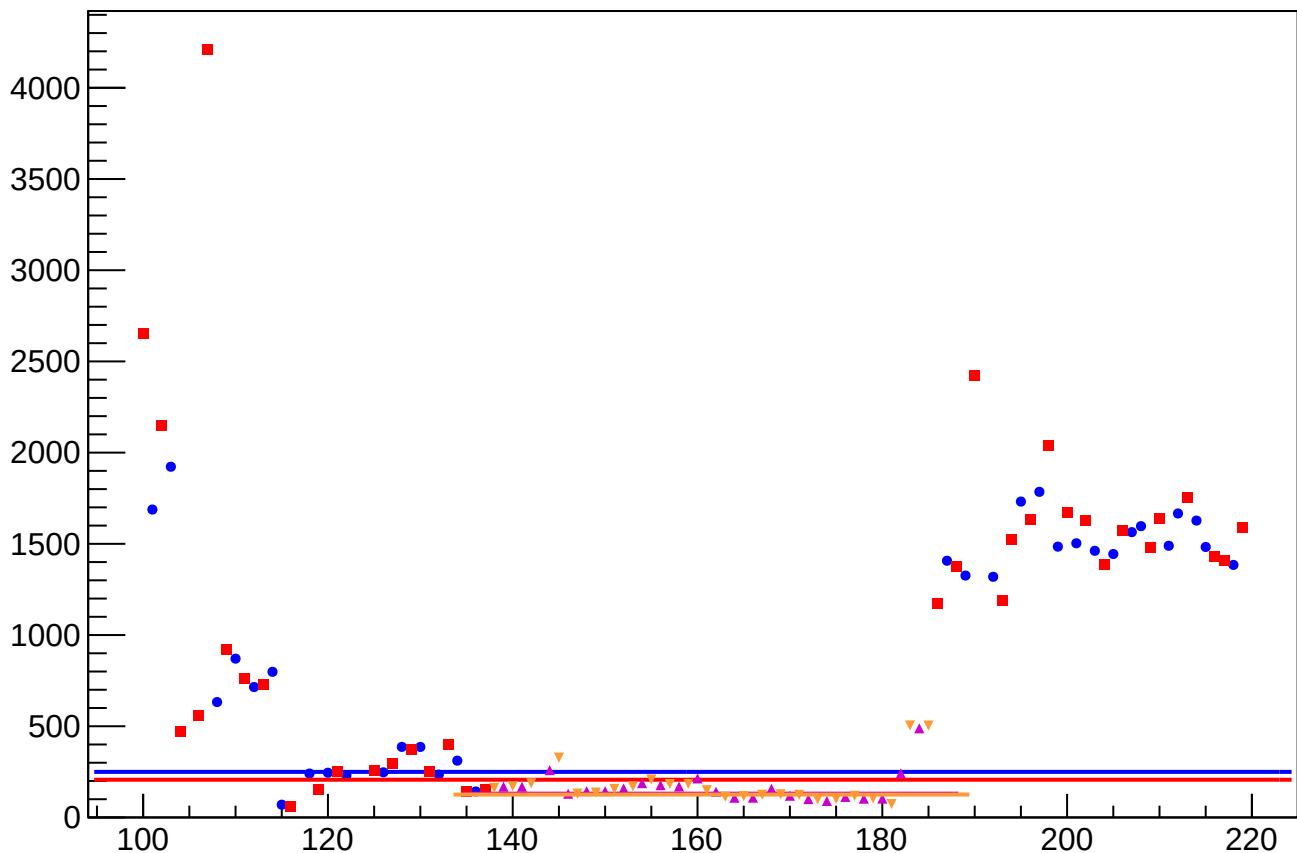
Left In: -50.317 ± 32.545 χ^2/NDF : 18.2/22

+ sign -118.055 ± 29.613 χ^2/NDF : 82.1/55

All: -87.524 ± 21.139 χ^2/NDF : 141.1/113

- sign -55.798 ± 30.187 χ^2/NDF : 56.8/57

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 249.823+/-0.063 χ^2/NDF : 23790766.4/31

Left Out: 125.506+/-0.022 χ^2/NDF : 3942746.1/23

Right Out: 206.806+/-0.057 χ^2/NDF : 27393854.4/34

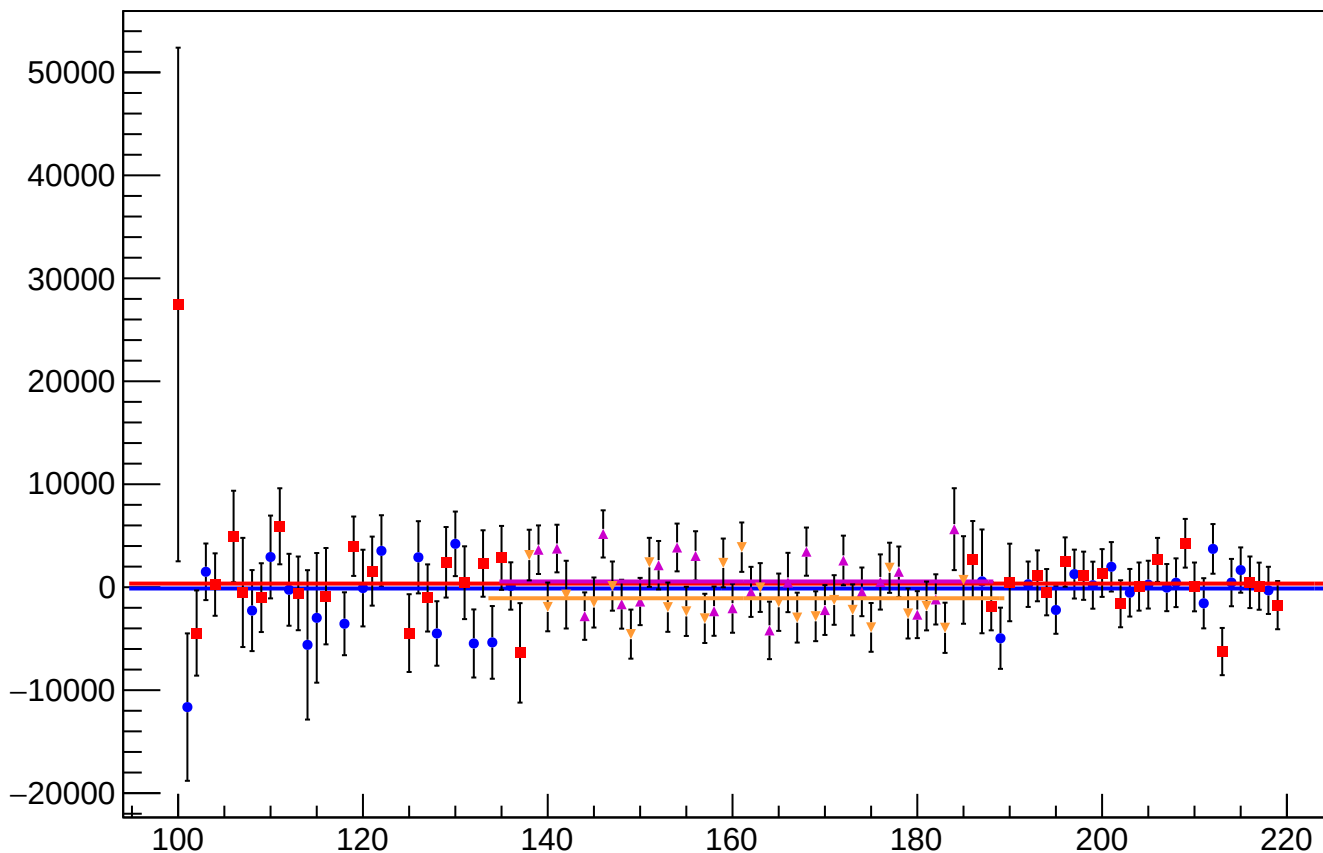
Left In: 130.436+/-0.023 χ^2/NDF : 2679692.6/22

+ sign 139.311+/-0.021 χ^2/NDF : 31212935.8/55

All: 140.189+/-0.015 χ^2/NDF : 62828164.6/11

- sign 141.102+/-0.021 χ^2/NDF : 31611640.9/57

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -125.827 ± 495.672 χ^2/NDF : 24.8/31

Left Out: -1072.795 ± 505.534 χ^2/NDF : 21.6/23

Right Out: 351.432 ± 486.337 χ^2/NDF : 29.4/34

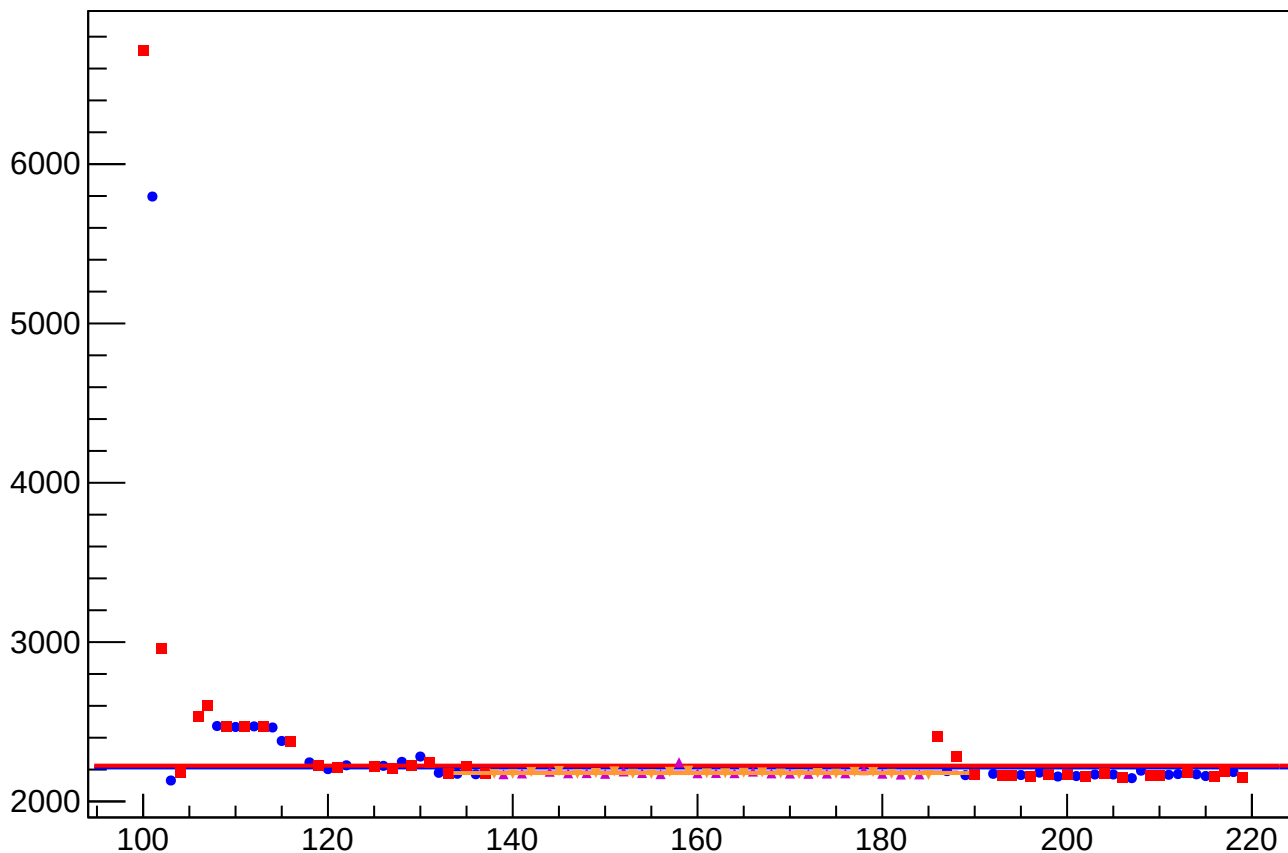
Left In: 557.079 ± 509.208 χ^2/NDF : 28.7/22

+ sign -589.983 ± 353.928 χ^2/NDF : 48.1/55

All: -66.942 ± 249.473 χ^2/NDF : 110.6/113

- sign 449.534 ± 351.700 χ^2/NDF : 58.2/57

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2213.450+/-0.350 χ^2/NDF : 548558.2/31

Left Out: 2178.244+/-0.357 χ^2/NDF : 389.1/23

Right Out: 2224.633+/-0.344 χ^2/NDF : 205052.8/34

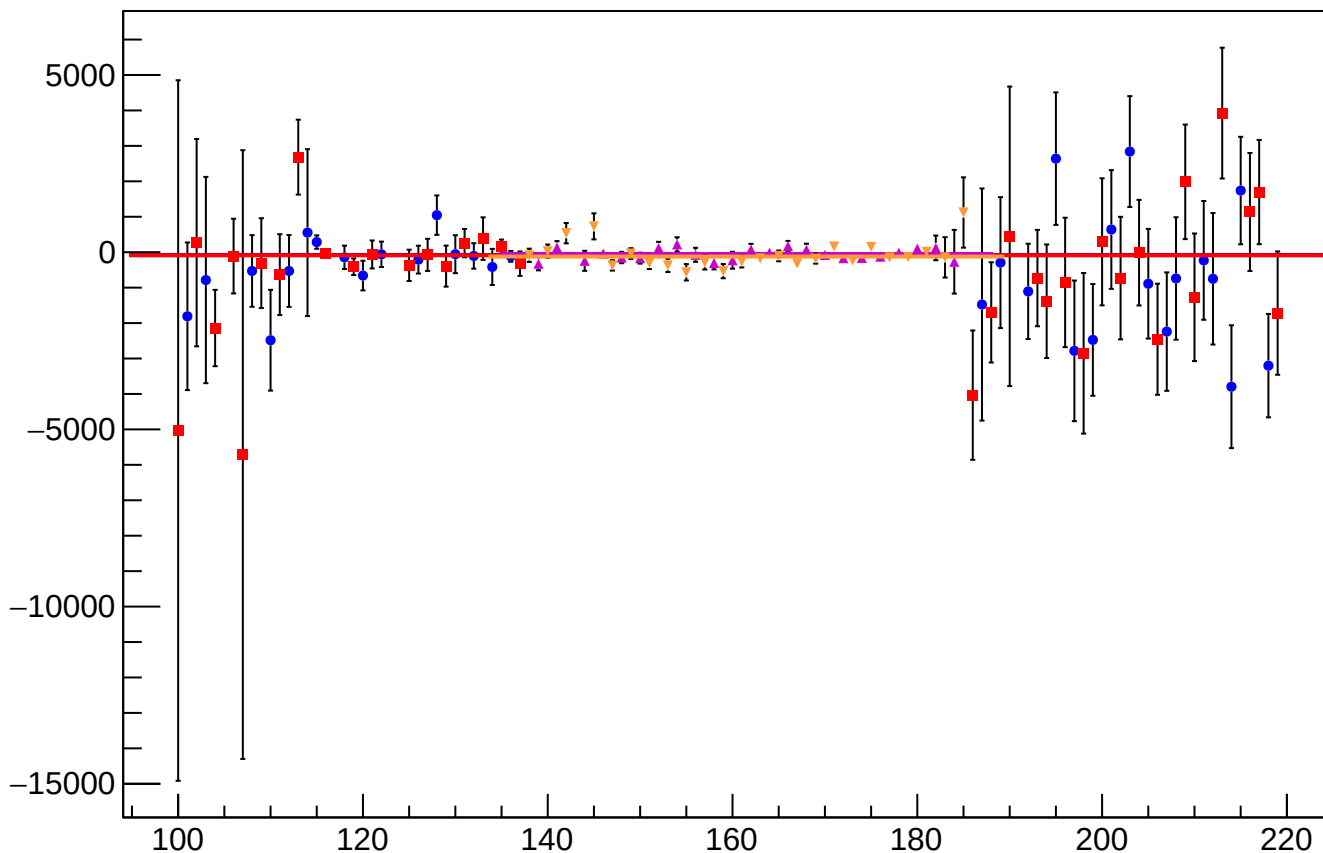
Left In: 2180.919+/-0.360 χ^2/NDF : 1866.2/22

+ sign 2196.194+/-0.250 χ^2/NDF : 553892.7/55

All: 2200.011+/-0.176 χ^2/NDF : 768982.2/113

- sign 2203.780+/-0.249 χ^2/NDF : 214627.3/57

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug



Right In: -78.443 ± 88.871 χ^2/NDF : 38.1/31

Left Out: -122.928 ± 31.408 χ^2/NDF : 43.8/23

Right Out: -87.619 ± 80.718 χ^2/NDF : 38.1/34

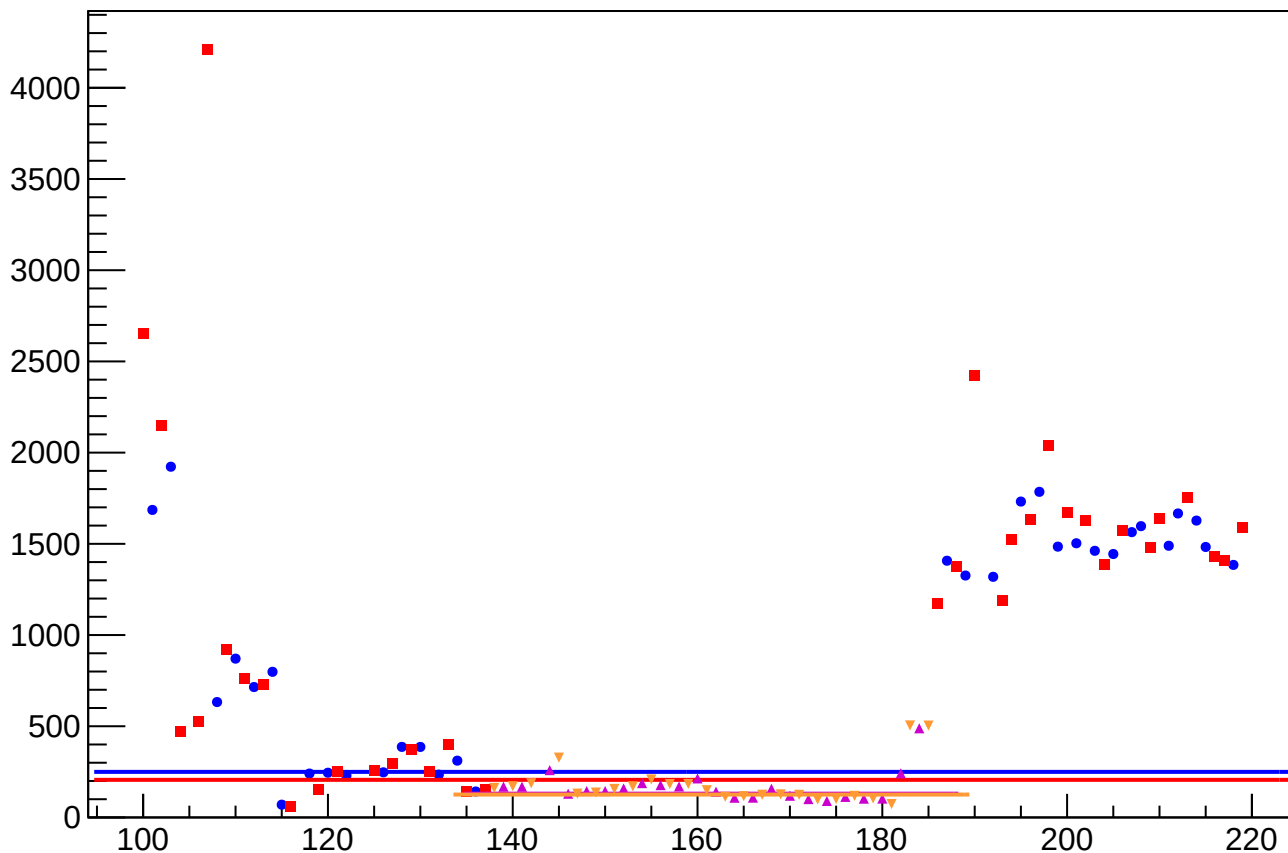
Left In: -50.209 ± 32.548 χ^2/NDF : 18.3/22

+ sign -117.989 ± 29.613 χ^2/NDF : 82.1/55

All: -87.315 ± 21.139 χ^2/NDF : 140.8/113

- sign -55.441 ± 30.186 χ^2/NDF : 56.6/57

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 249.853+/-0.063 χ^2/NDF : 23788889.3/31

Left Out: 125.503+/-0.022 χ^2/NDF : 3943570.9/23

Right Out: 206.197+/-0.057 χ^2/NDF : 27366476.2/34

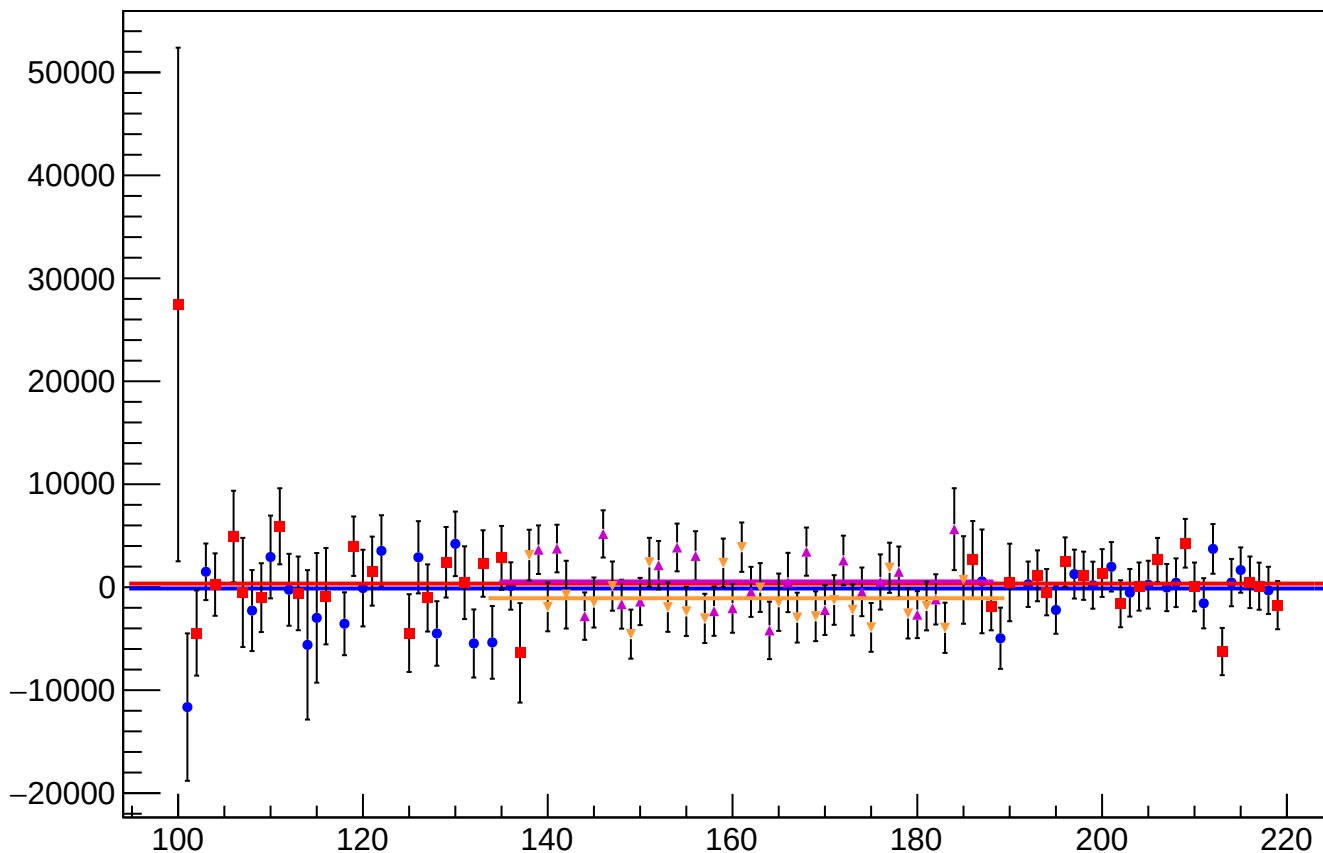
Left In: 130.451+/-0.023 χ^2/NDF : 2679365.4/22

+ sign 139.309+/-0.021 χ^2/NDF : 31213409.2/55

All: 140.160+/-0.015 χ^2/NDF : 62777523.3/11

- sign 141.045+/-0.021 χ^2/NDF : 31560746.9/57

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -125.827 ± 495.672 χ^2/NDF : 24.8/31

Left Out: -1072.795 ± 505.534 χ^2/NDF : 21.6/23

Right Out: 351.432 ± 486.337 χ^2/NDF : 29.4/34

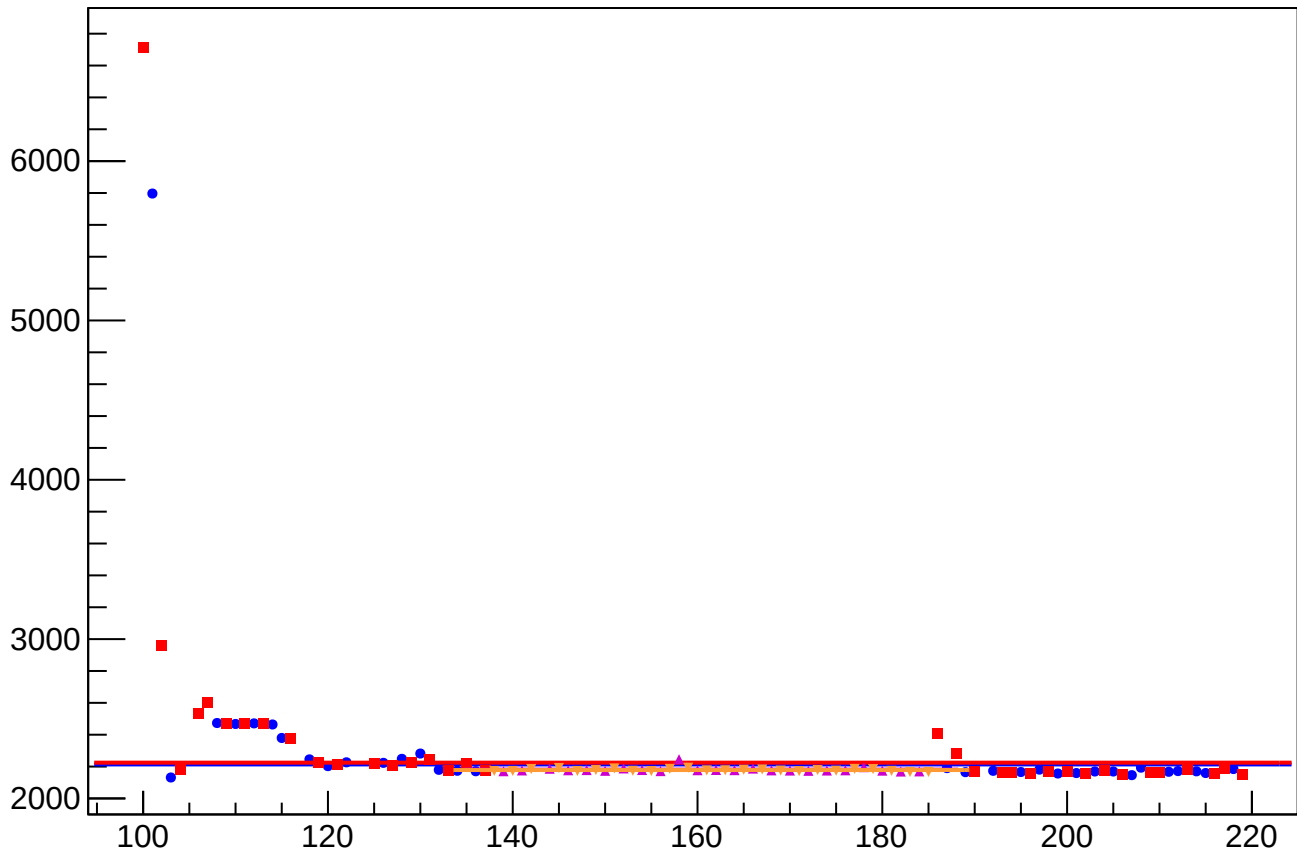
Left In: 557.079 ± 509.208 χ^2/NDF : 28.7/22

+ sign -589.983 ± 353.928 χ^2/NDF : 48.1/55

All: -66.942 ± 249.473 χ^2/NDF : 110.6/113

- sign 449.534 ± 351.700 χ^2/NDF : 58.2/57

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2213.450+/-0.350 χ^2/NDF : 548558.2/31

Left Out: 2178.244+/-0.357 χ^2/NDF : 389.1/23

Right Out: 2224.633+/-0.344 χ^2/NDF : 205052.8/34

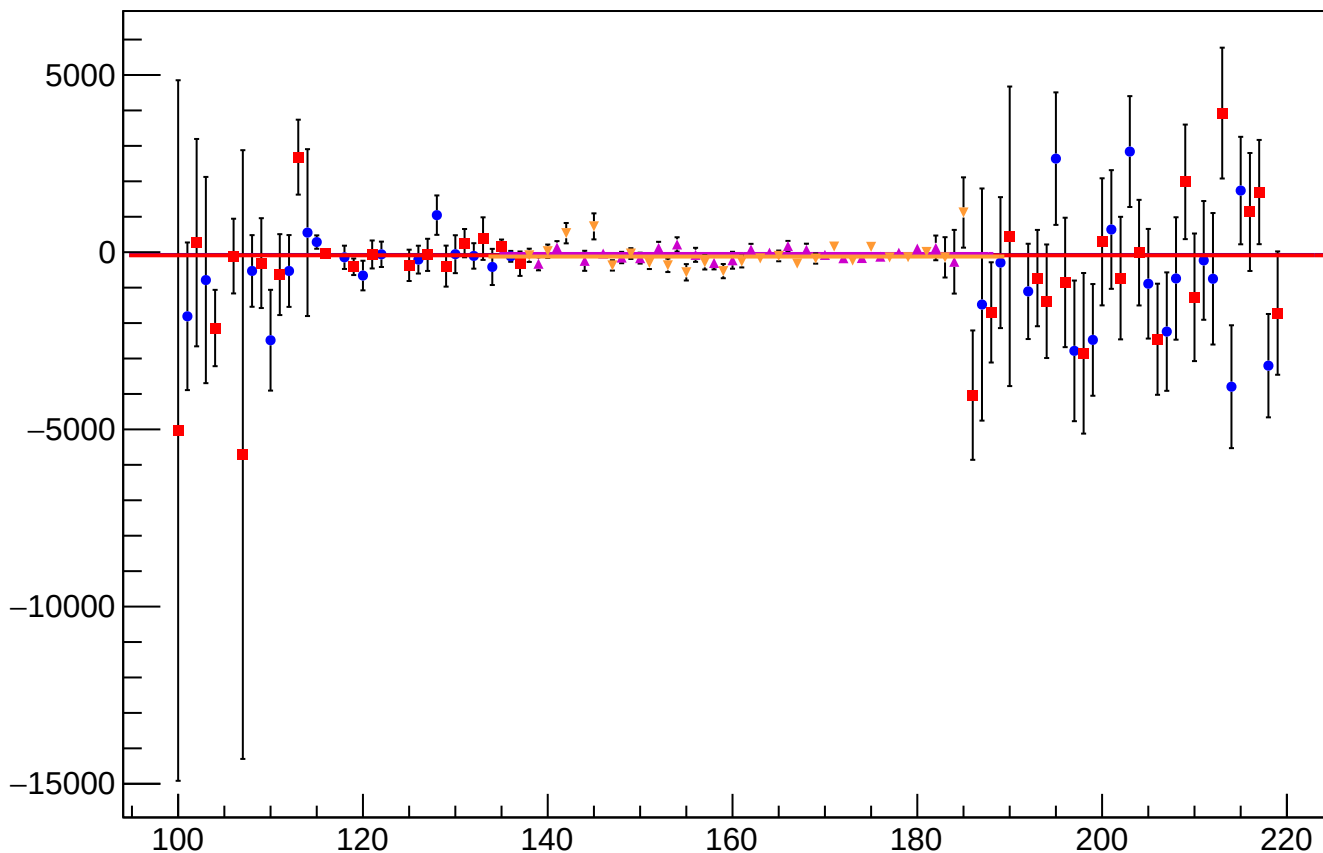
Left In: 2180.919+/-0.360 χ^2/NDF : 1866.2/22

+ sign 2196.194+/-0.250 χ^2/NDF : 553892.7/55

All: 2200.011+/-0.176 χ^2/NDF : 768982.2/113

- sign 2203.780+/-0.249 χ^2/NDF : 214627.3/57

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -78.443 ± 88.871 χ^2/NDF : 38.1/31

Left Out: -122.928 ± 31.408 χ^2/NDF : 43.8/23

Right Out: -87.619 ± 80.718 χ^2/NDF : 38.1/34

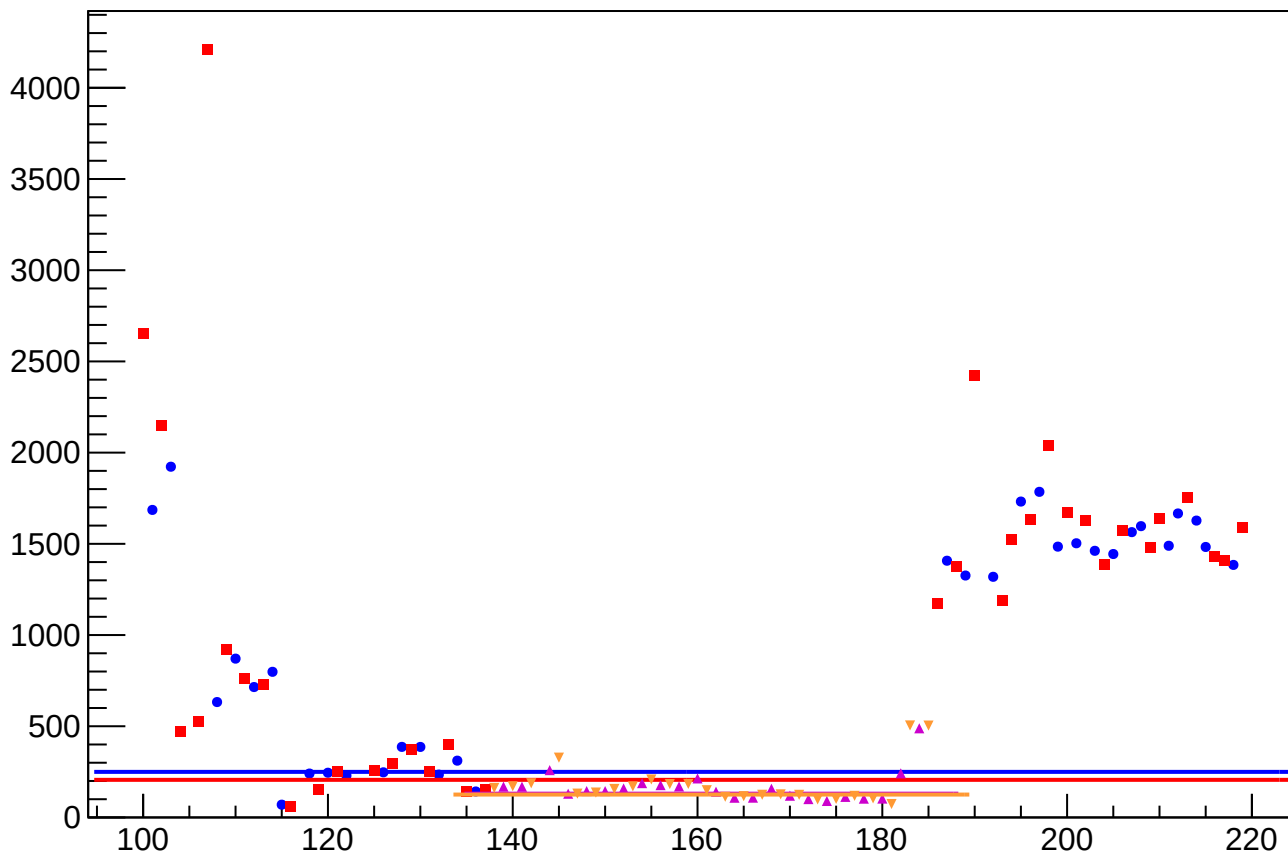
Left In: -50.209 ± 32.548 χ^2/NDF : 18.3/22

+ sign -117.989 ± 29.613 χ^2/NDF : 82.1/55

All: -87.315 ± 21.139 χ^2/NDF : 140.8/113

- sign -55.441 ± 30.186 χ^2/NDF : 56.6/57

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 249.853+/-0.063 χ^2/NDF : 23788889.3/31

Left Out: 125.503+/-0.022 χ^2/NDF : 3943570.9/23

Right Out: 206.197+/-0.057 χ^2/NDF : 27366476.2/34

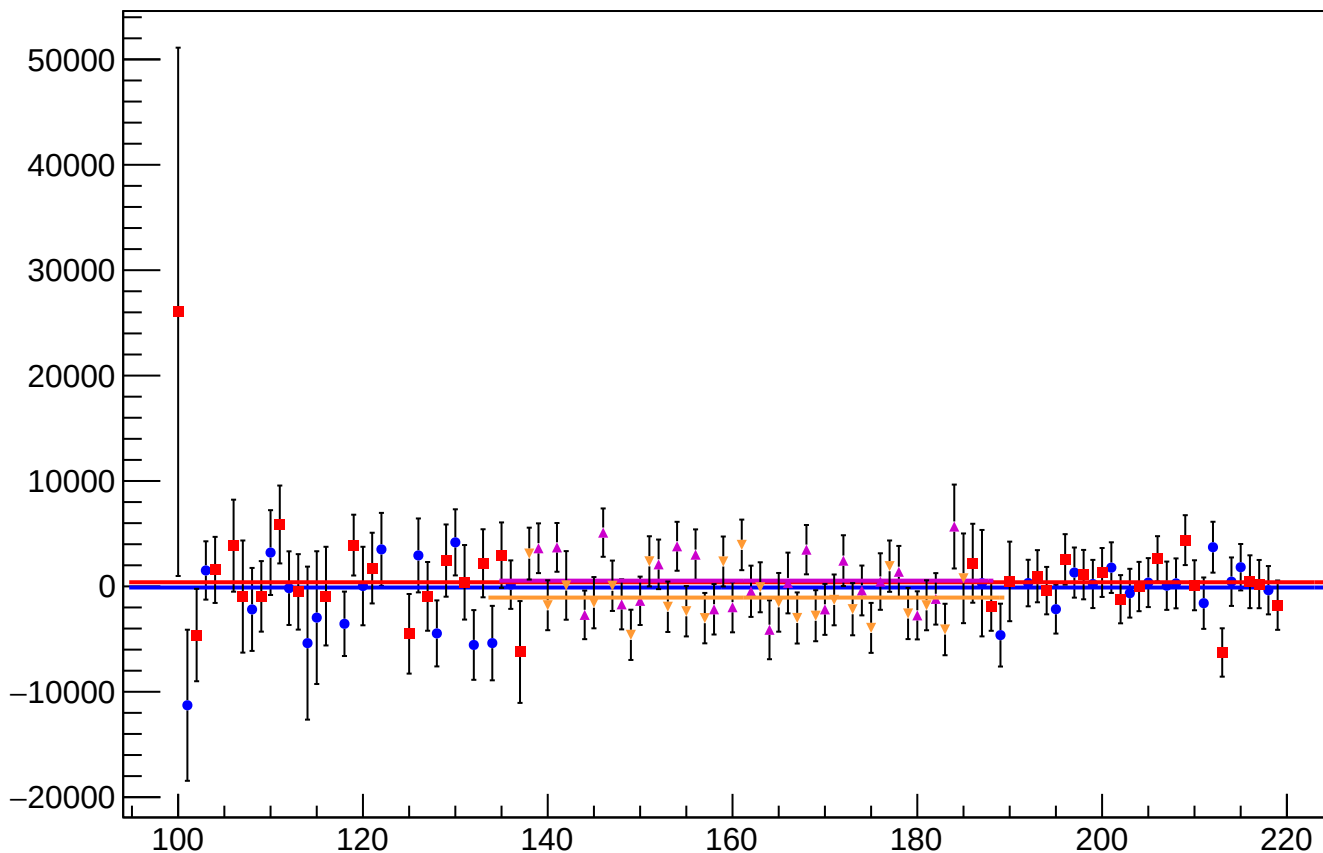
Left In: 130.451+/-0.023 χ^2/NDF : 2679365.4/22

+ sign 139.309+/-0.021 χ^2/NDF : 31213409.2/55

All: 140.160+/-0.015 χ^2/NDF : 62777523.3/11

- sign 141.045+/-0.021 χ^2/NDF : 31560746.9/57

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -106.439 ± 496.179 χ^2/NDF : 24.3/31

Left Out: -1062.372 ± 505.627 χ^2/NDF : 21.9/23

Right Out: 392.423 ± 487.480 χ^2/NDF : 28.6/34

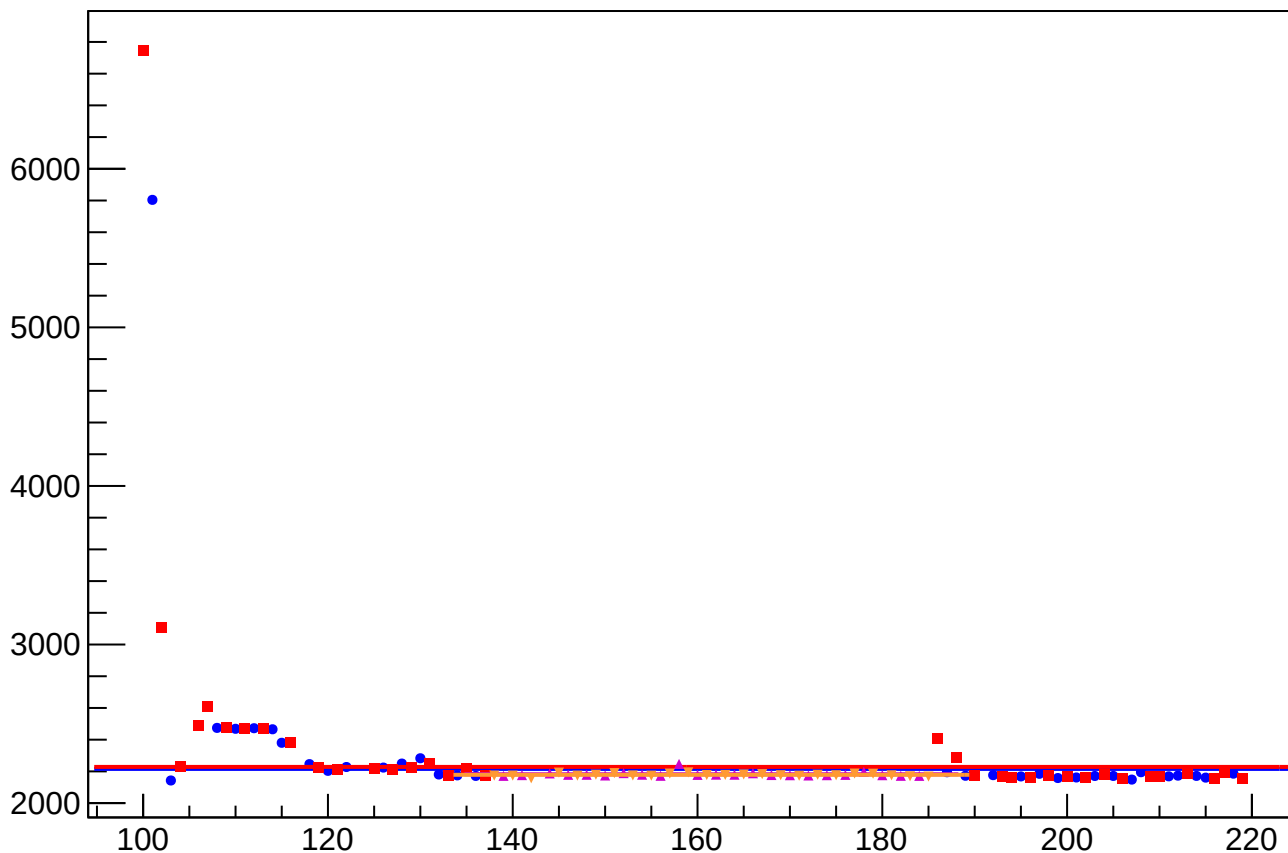
Left In: 544.260 ± 509.433 χ^2/NDF : 27.9/22

+ sign -575.391 ± 354.145 χ^2/NDF : 48.0/55

All: -52.340 ± 249.730 χ^2/NDF : 108.9/113

- sign 465.000 ± 352.206 χ^2/NDF : 56.6/57

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2215.635 $\pm$ 0.351 χ^2 /NDF: 548032.0/31

Left Out: 2178.503 $\pm$ 0.358 χ^2 /NDF: 456.1/23

Right Out: 2228.221 $\pm$ 0.345 χ^2 /NDF: 221154.8/34

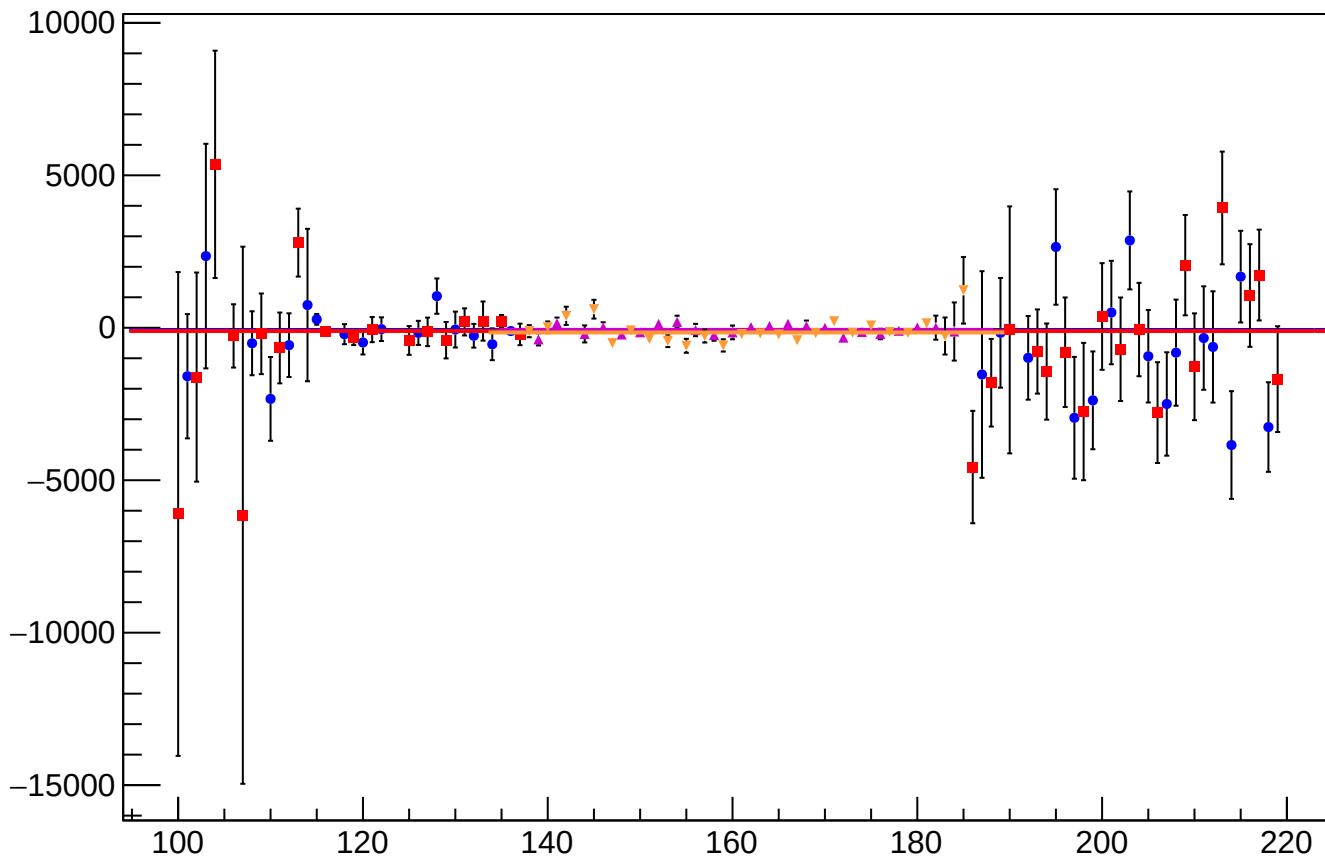
Left In: 2181.882 $\pm$ 0.360 χ^2 /NDF: 1838.2/22

+ sign 2197.419 $\pm$ 0.250 χ^2 /NDF: 553982.8/55

All: 2201.769 $\pm$ 0.177 χ^2 /NDF: 786214.2/113

- sign 2206.072 $\pm$ 0.249 χ^2 /NDF: 231631.2/57

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug



Right In: -72.534 ± 90.288 χ^2/NDF : 37.8/31

Left Out: -154.725 ± 34.061 χ^2/NDF : 47.3/23

Right Out: -104.649 ± 84.276 χ^2/NDF : 37.3/34

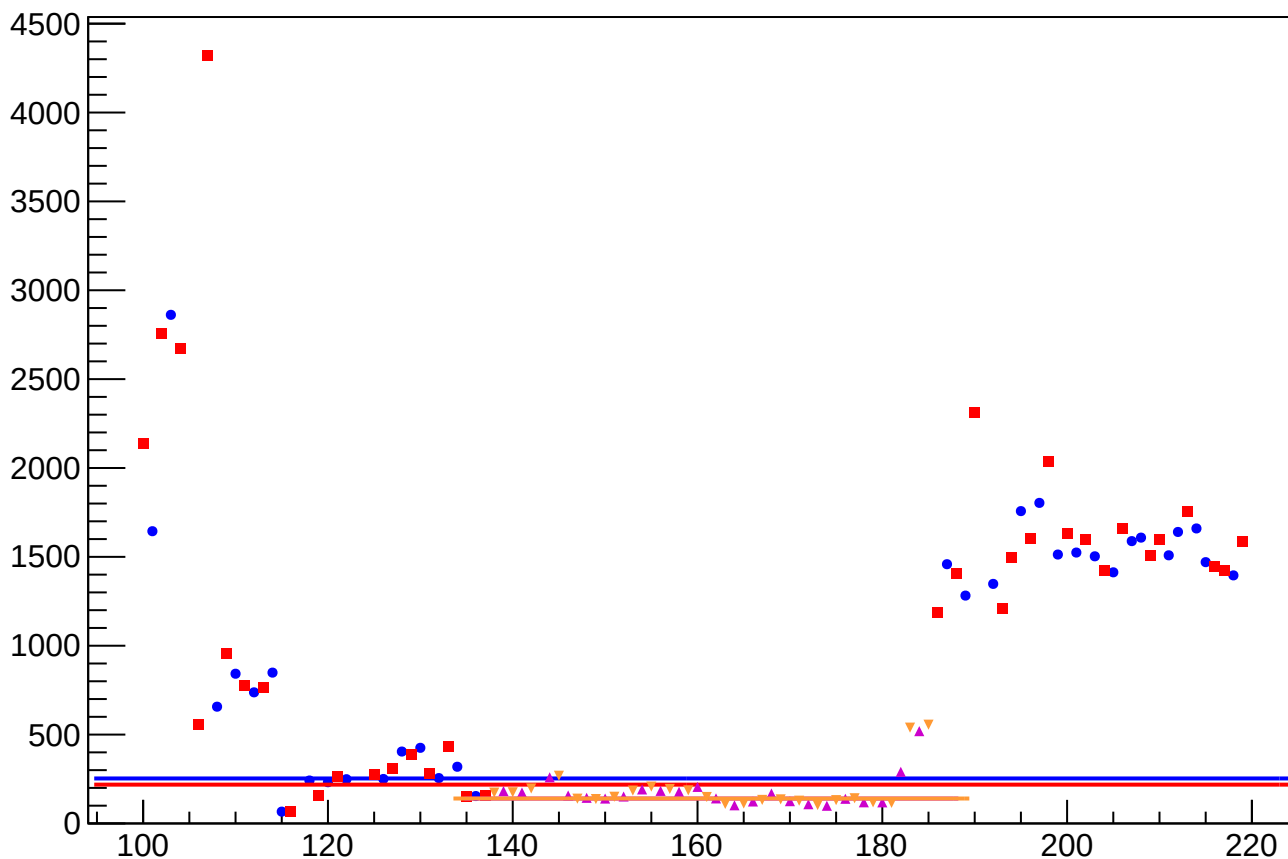
Left In: -70.142 ± 34.204 χ^2/NDF : 18.9/22

+ sign -144.485 ± 31.868 χ^2/NDF : 85.8/55

All: -109.562 ± 22.472 χ^2/NDF : 144.6/113

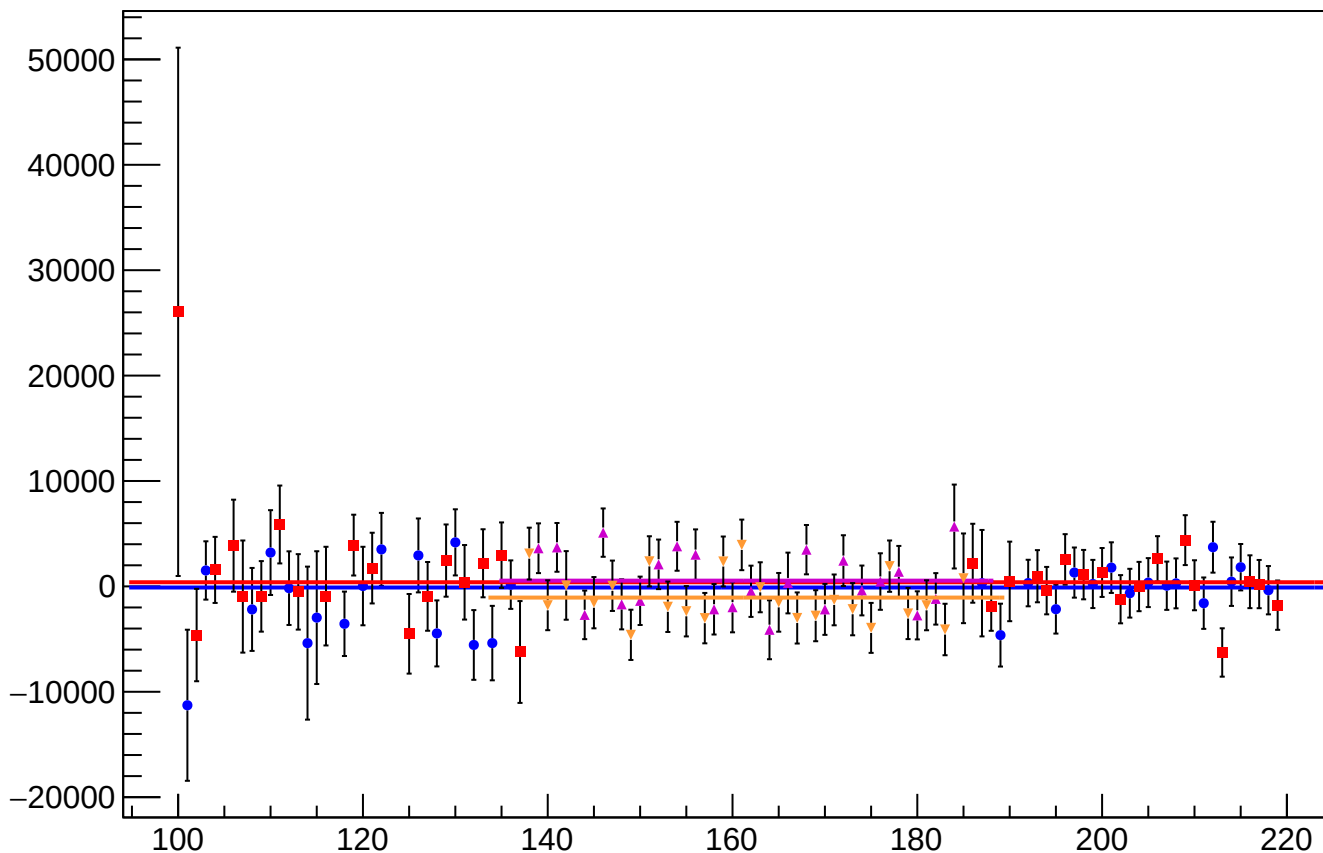
- sign -75.022 ± 31.693 χ^2/NDF : 56.4/57

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 253.158+/-0.064	χ^2/NDF : 24333374.5/31	+ sign 154.377+/-0.023	χ^2/NDF : 29828343.8/55
Left Out: 140.319+/-0.024	χ^2/NDF : 2760284.0/23	All: 152.715+/-0.016	χ^2/NDF : 61803710.4/1
Right Out: 218.418+/-0.060	χ^2/NDF : 28064555.4/34	- sign 151.072+/-0.022	χ^2/NDF : 31964555.0/57
Left In: 139.979+/-0.024	χ^2/NDF : 2412455.4/22		

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -106.441 ± 496.179 χ^2/NDF : 24.3/31

Left Out: -1062.373 ± 505.627 χ^2/NDF : 21.9/23

Right Out: 392.424 ± 487.480 χ^2/NDF : 28.6/34

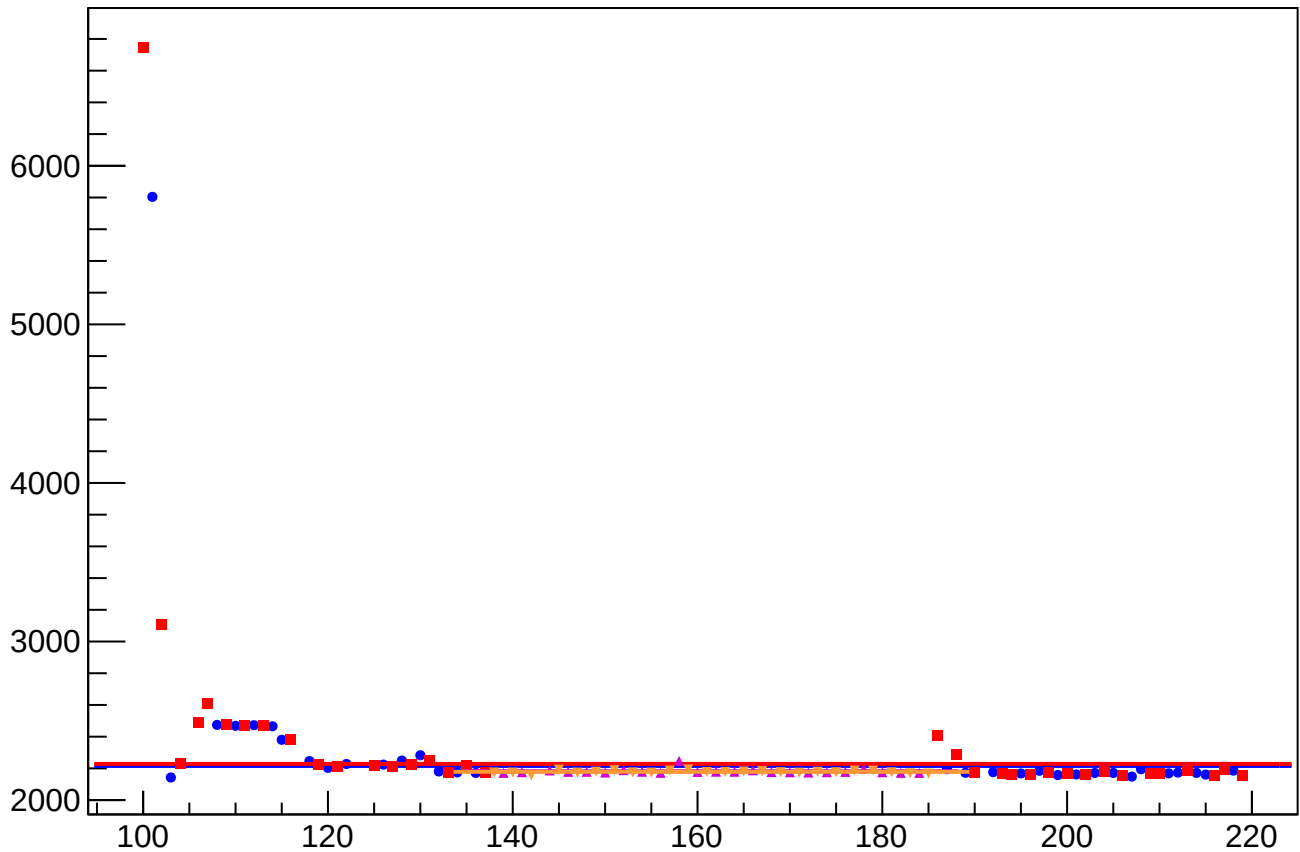
Left In: 544.259 ± 509.433 χ^2/NDF : 27.9/22

+ sign -575.393 ± 354.145 χ^2/NDF : 48.0/55

All: -52.341 ± 249.730 χ^2/NDF : 108.9/113

- sign 465.000 ± 352.206 χ^2/NDF : 56.6/57

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2215.635 $\pm$ 0.351 χ^2 /NDF: 548032.1/31

Left Out: 2178.503 $\pm$ 0.358 χ^2 /NDF: 456.1/23

Right Out: 2228.221 $\pm$ 0.345 χ^2 /NDF: 221154.7/34

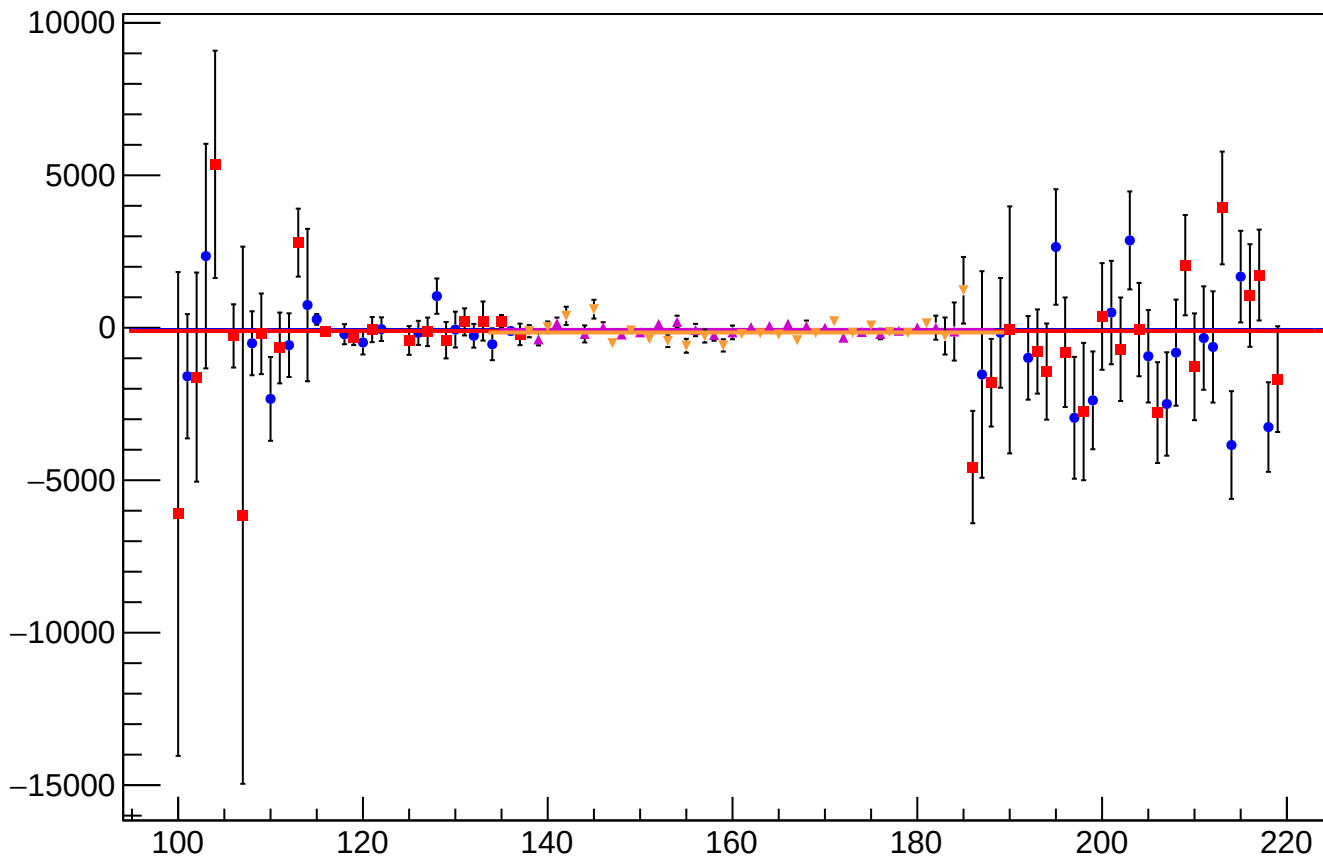
Left In: 2181.882 $\pm$ 0.360 χ^2 /NDF: 1838.2/22

+ sign 2197.419 $\pm$ 0.250 χ^2 /NDF: 553982.8/55

All: 2201.769 $\pm$ 0.177 χ^2 /NDF: 786214.1/113

- sign 2206.072 $\pm$ 0.249 χ^2 /NDF: 231631.1/57

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -72.530 ± 90.287 χ^2/NDF : 37.8/31

Left Out: -154.726 ± 34.061 χ^2/NDF : 47.3/23

Right Out: -104.650 ± 84.275 χ^2/NDF : 37.3/34

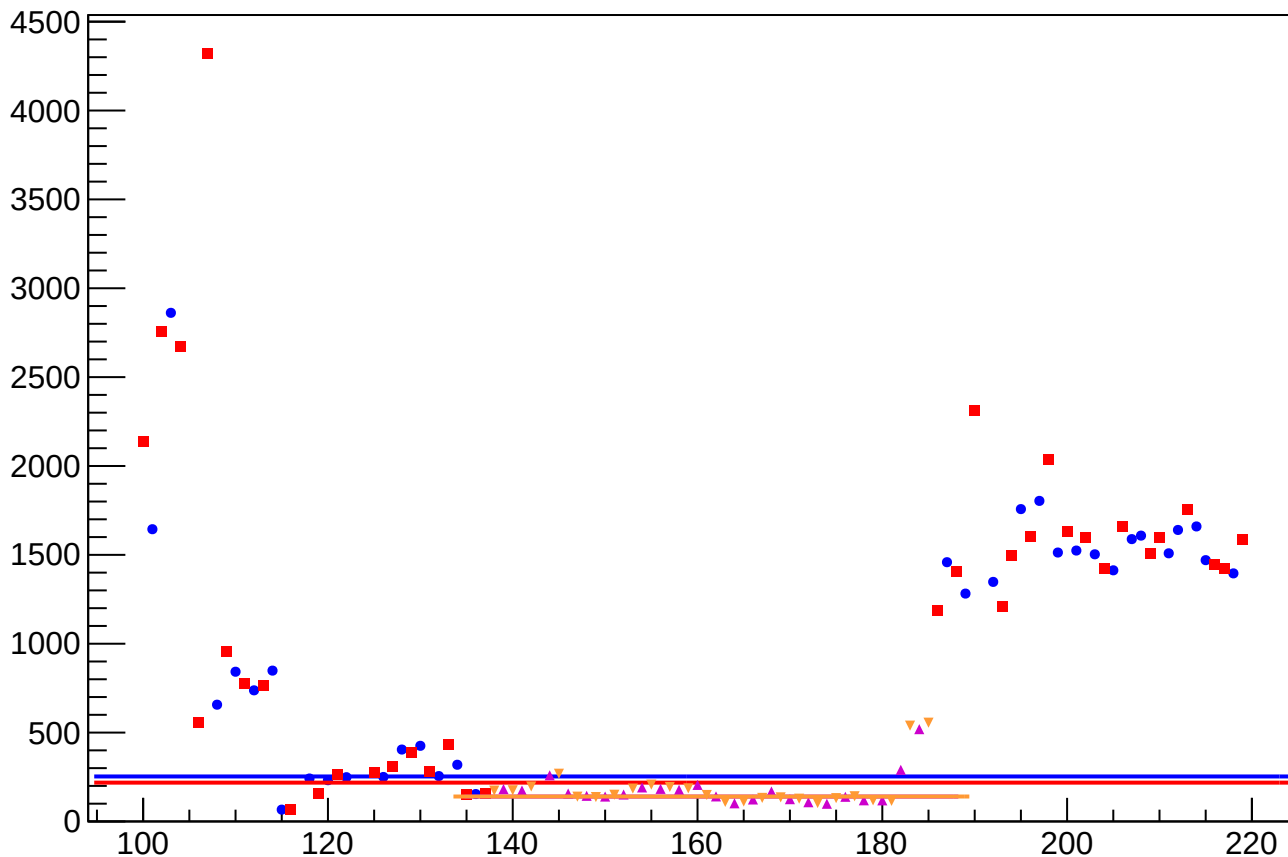
Left In: -70.141 ± 34.204 χ^2/NDF : 18.9/22

+ sign -144.486 ± 31.868 χ^2/NDF : 85.8/55

All: -109.562 ± 22.472 χ^2/NDF : 144.6/113

- sign -75.021 ± 31.694 χ^2/NDF : 56.4/57

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 253.155+/-0.064 χ^2/NDF : 24333505.1/31

Left Out: 140.319+/-0.024 χ^2/NDF : 2760280.2/23

Right Out: 218.415+/-0.060 χ^2/NDF : 28064708.6/34

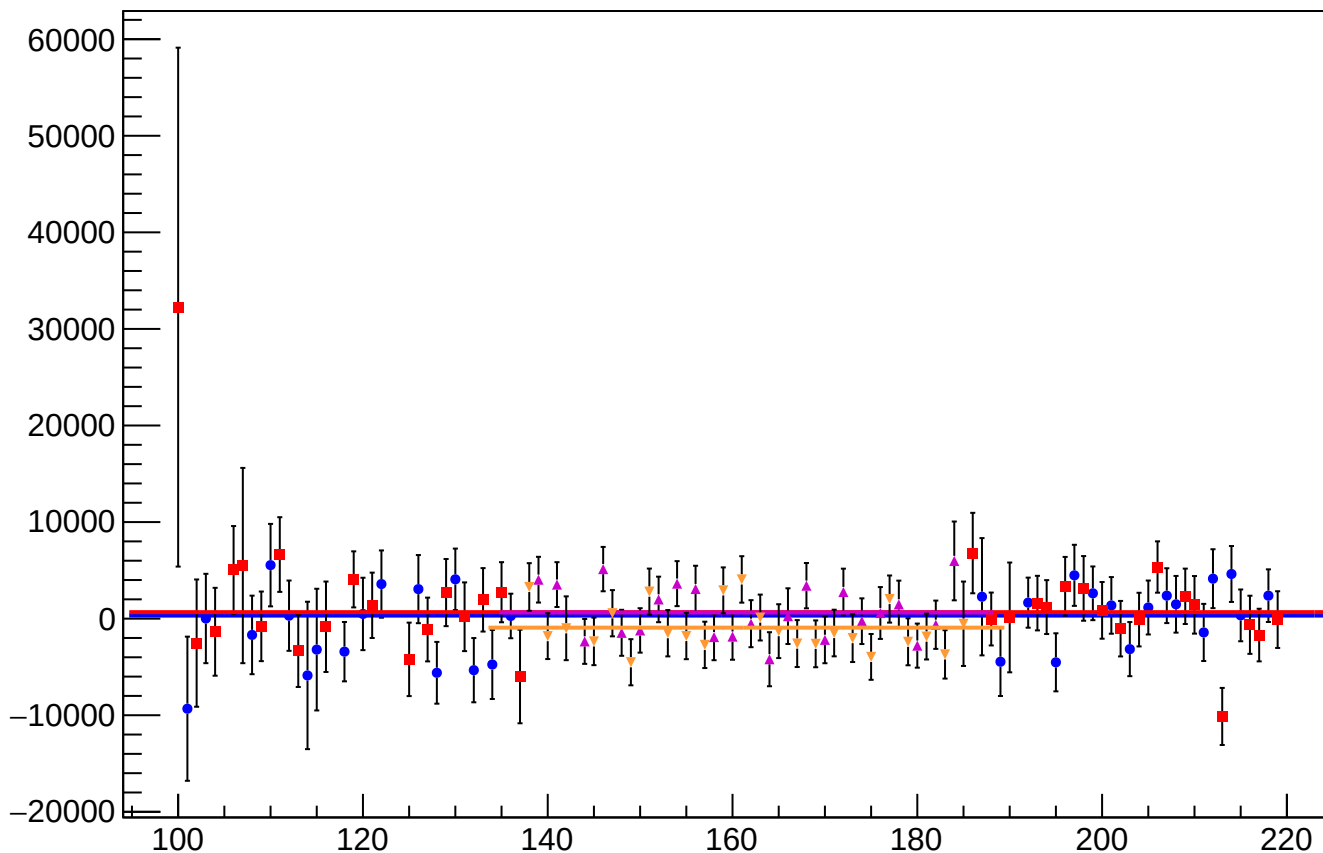
Left In: 139.979+/-0.024 χ^2/NDF : 2412509.5/22

+ sign 154.377+/-0.023 χ^2/NDF : 29828330.8/55

All: 152.715+/-0.016 χ^2/NDF : 61803798.3/11

- sign 151.072+/-0.022 χ^2/NDF : 31964654.0/57

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 318.111 ± 576.052 χ^2/NDF : 31.4/31

Left Out: -932.002 ± 507.717 χ^2/NDF : 22.4/23

Right Out: 674.621 ± 572.510 χ^2/NDF : 35.0/34

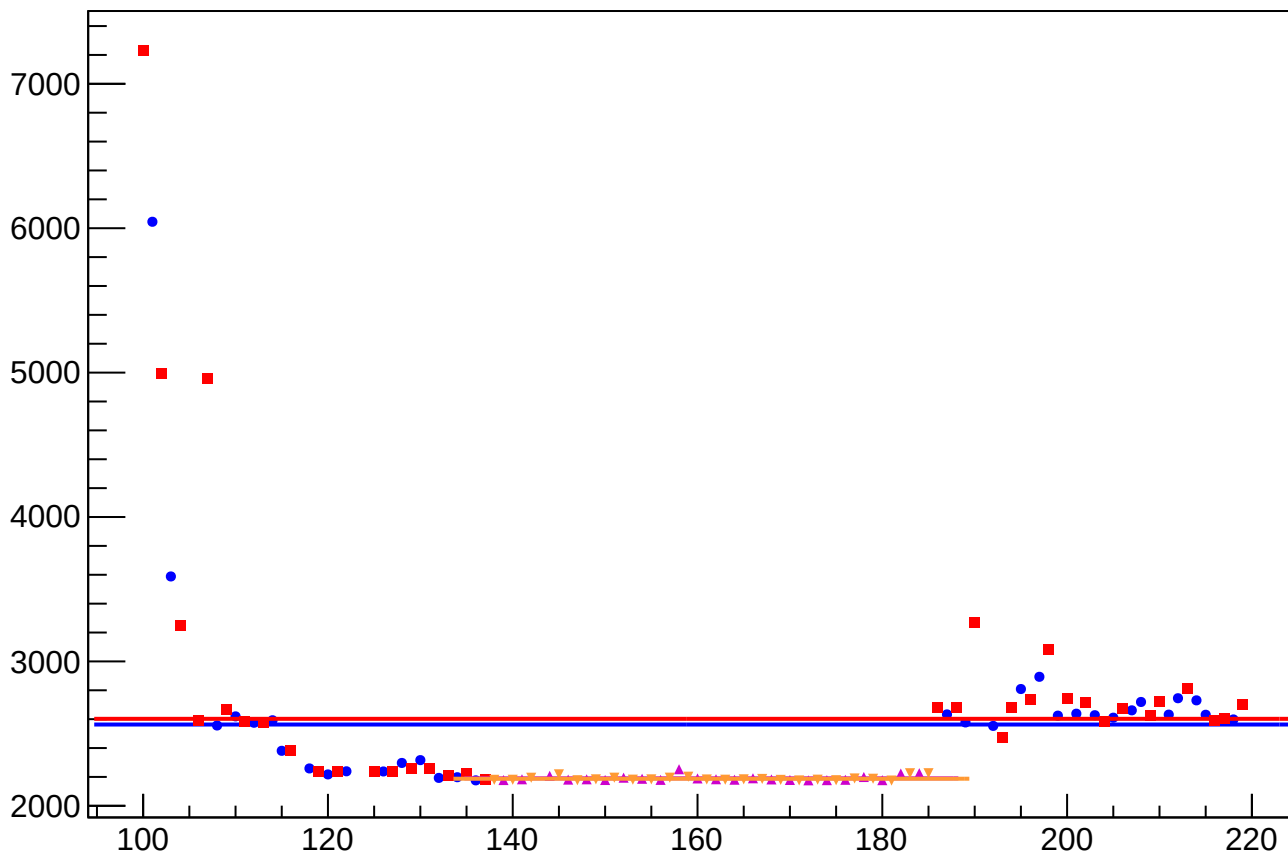
Left In: 642.773 ± 511.372 χ^2/NDF : 27.0/22

+ sign -385.456 ± 380.890 χ^2/NDF : 56.5/55

All: 135.049 ± 269.505 χ^2/NDF : 122.2/113

- sign 656.906 ± 381.385 χ^2/NDF : 62.0/57

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2562.904 $\pm$ 0.407 χ^2 /NDF: 798263.4/31

Left Out: 2187.620 $\pm$ 0.359 χ^2 /NDF:1342.1/23

Right Out: 2602.383 $\pm$ 0.405 χ^2 /NDF: 792013.4/34

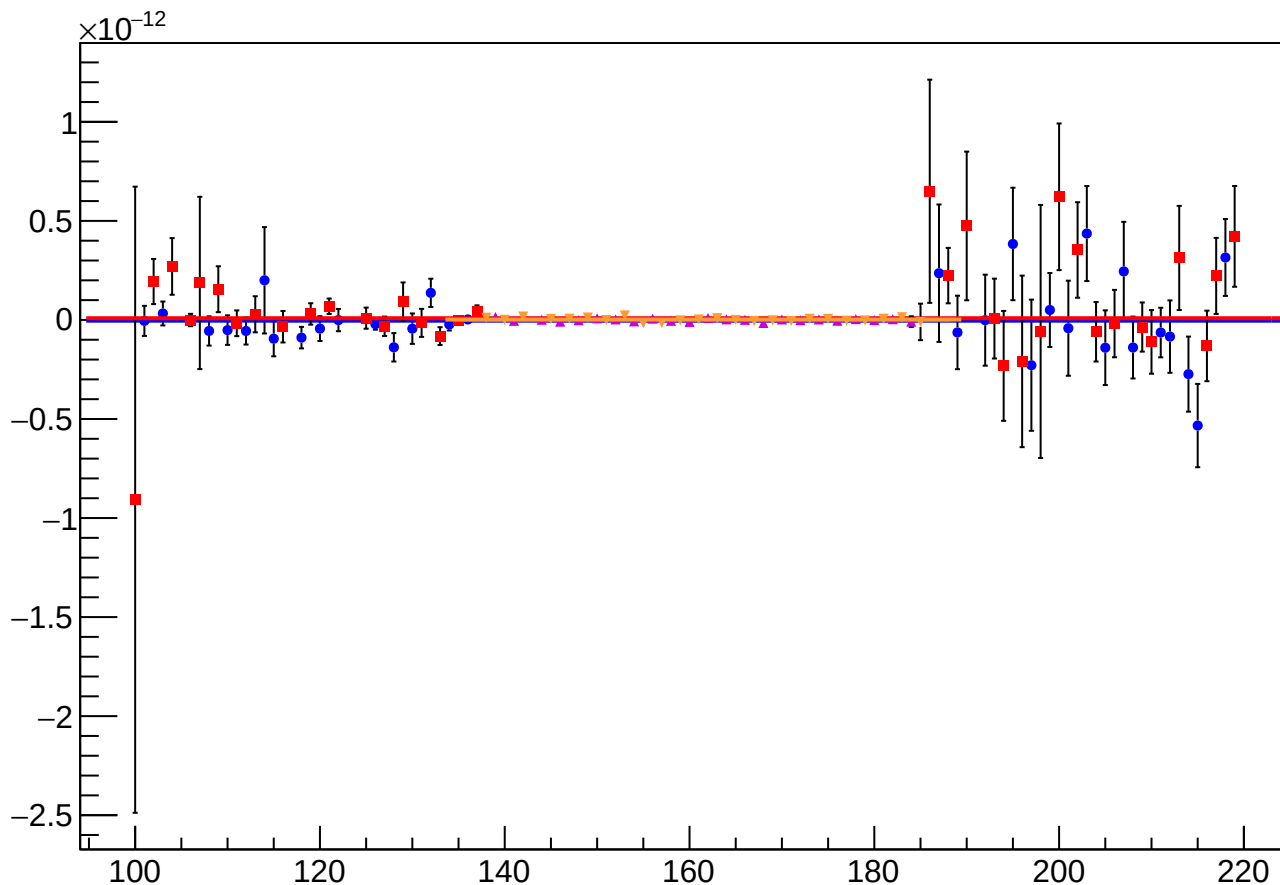
Left In: 2190.163 $\pm$ 0.362 χ^2 /NDF:2542.8/22

+ sign 2351.693 $\pm$ 0.269 χ^2 /NDF: 1277337.5/55

All: 2362.380 $\pm$ 0.191 χ^2 /NDF: 2651779.0/11

- sign 2373.095 $\pm$ 0.270 χ^2 /NDF: 1371288.2/57

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 35.7/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 19.4/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 36.7/34

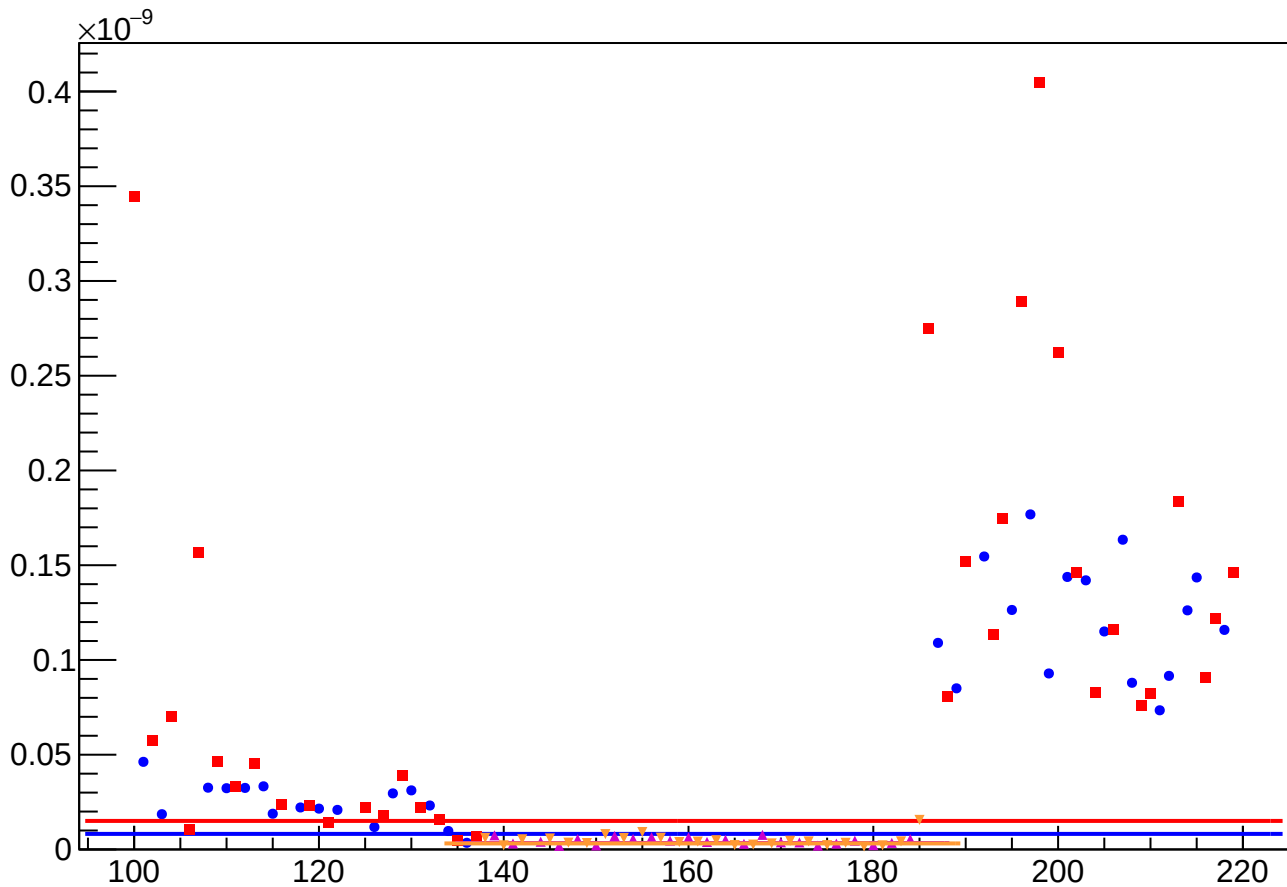
Left In: 0.000 ± 0.000 χ^2/NDF : 13.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 55.9/55

All: 0.000 ± 0.000 χ^2/NDF : 106.9/113

- sign 0.000 ± 0.000 χ^2/NDF : 50.8/57

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11962957.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 12561844.3/34

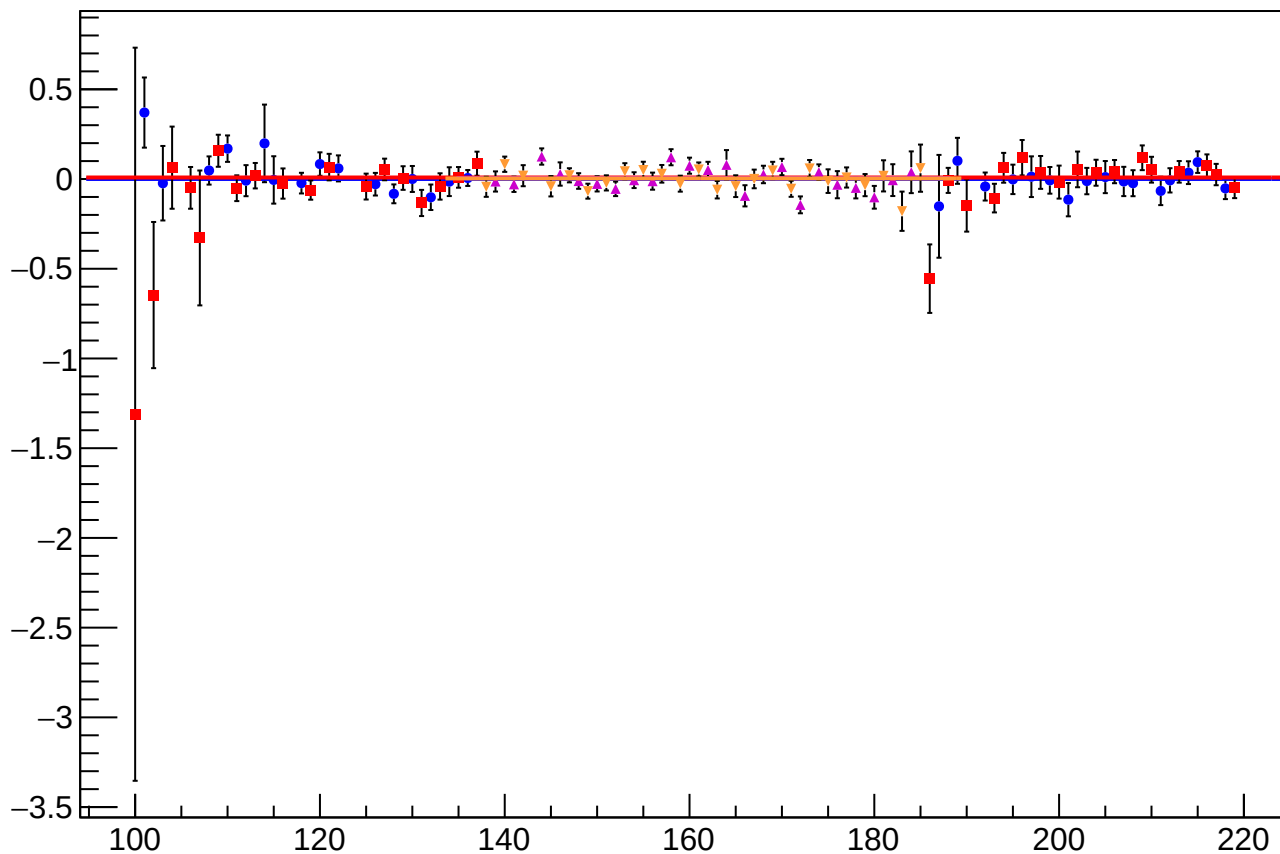
Left In: 0.000+/-0.000 χ^2/NDF : 1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 15254784.5/55

All: 0.000+/-0.000 χ^2/NDF : 32432450.8/113

- sign 0.000+/-0.000 χ^2/NDF : 17146929.5/57

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.013 χ^2/NDF : 24.5/31

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: 0.009 ± 0.013 χ^2/NDF : 36.4/34

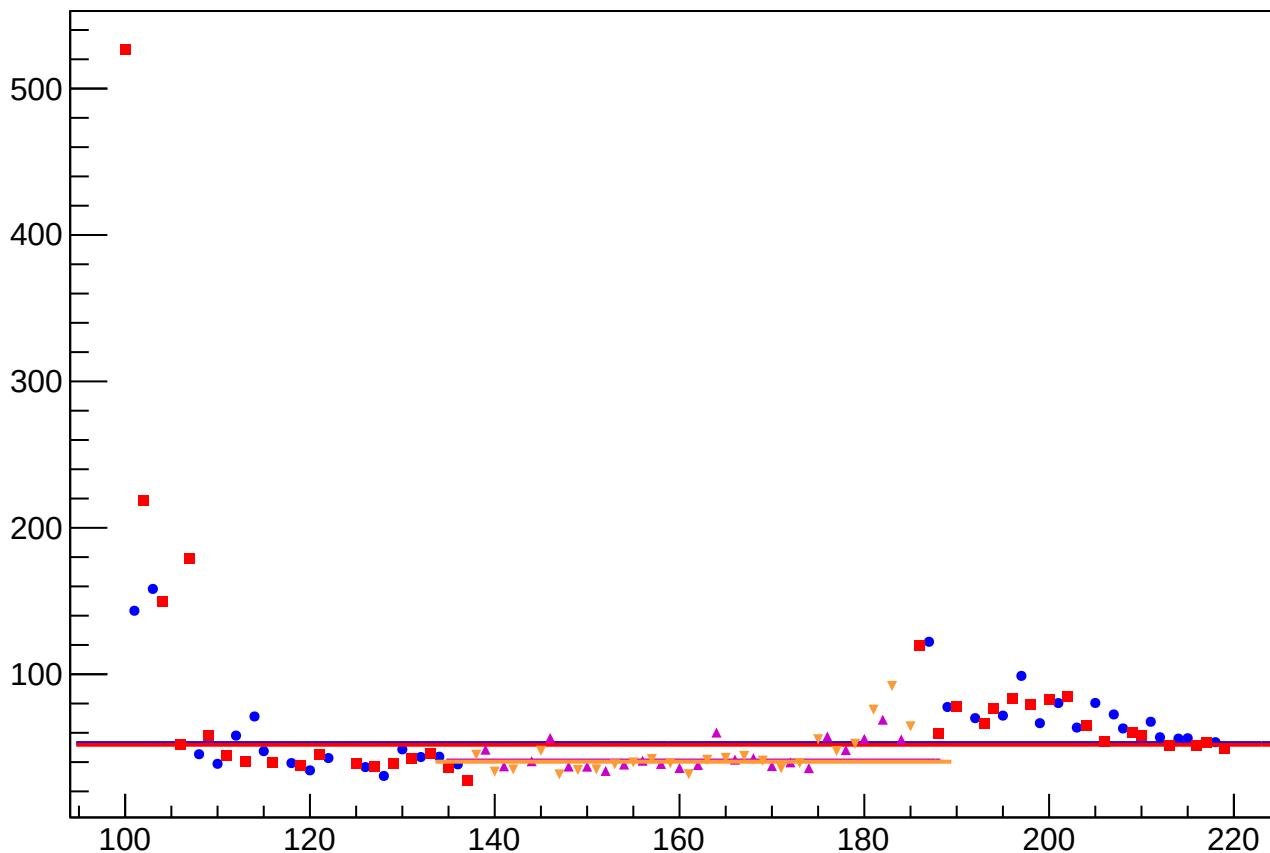
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.002 ± 0.008 χ^2/NDF : 46.4/55

All: 0.004 ± 0.006 χ^2/NDF : 124.4/113

- sign 0.007 ± 0.008 χ^2/NDF : 77.9/57

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.978+/-0.009 χ^2/NDF : 3583365.6/31

Left Out: 40.277+/-0.007 χ^2/NDF : 1489065.3/23

Right Out: 51.870+/-0.009 χ^2/NDF : 3577978.5/34

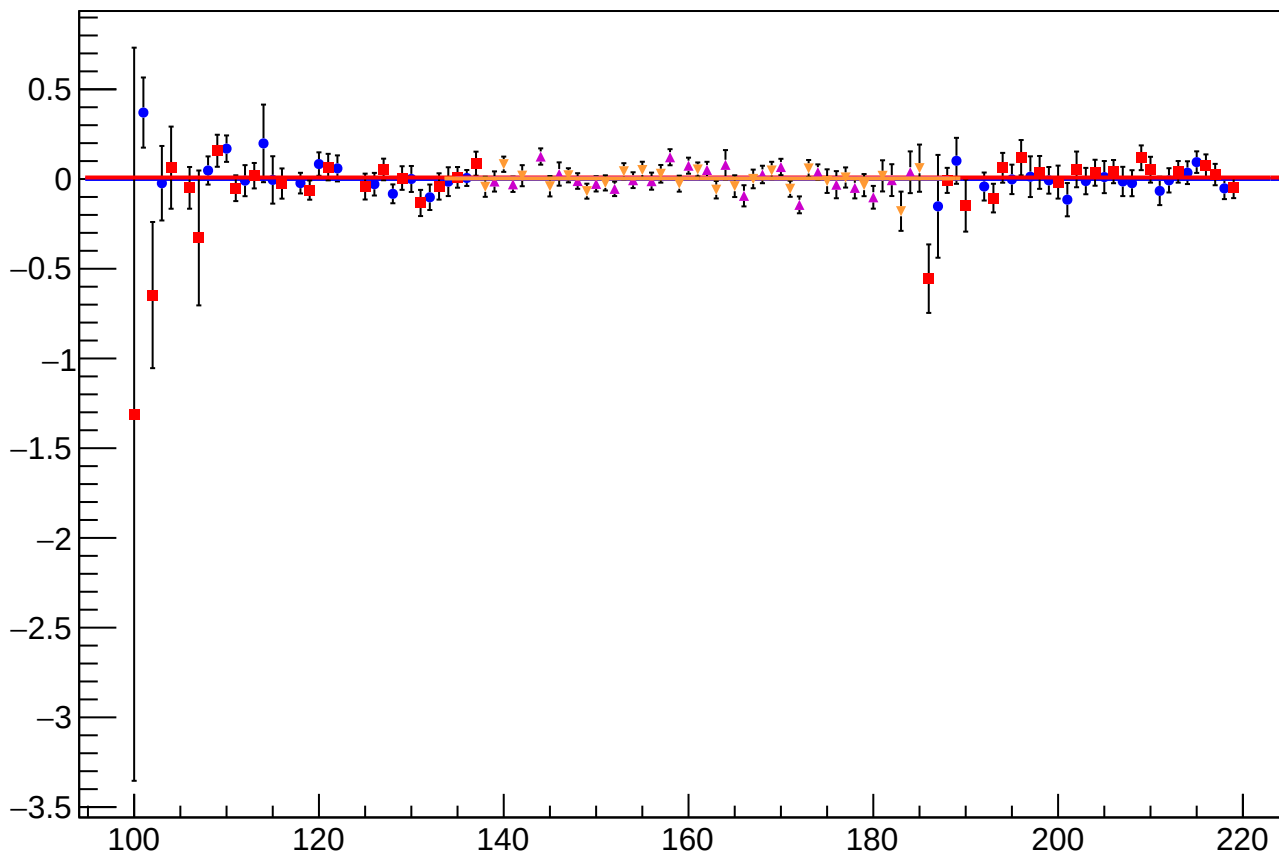
Left In: 41.082+/-0.007 χ^2/NDF : 926843.9/22

+ sign 45.047+/-0.006 χ^2/NDF : 6199339.3/55

All: 45.195+/-0.004 χ^2/NDF : 11529561.4/113

- sign 45.343+/-0.006 χ^2/NDF : 5328920.7/57

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 ± 0.013 χ^2/NDF : 24.5/31

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: 0.009 ± 0.013 χ^2/NDF : 36.4/34

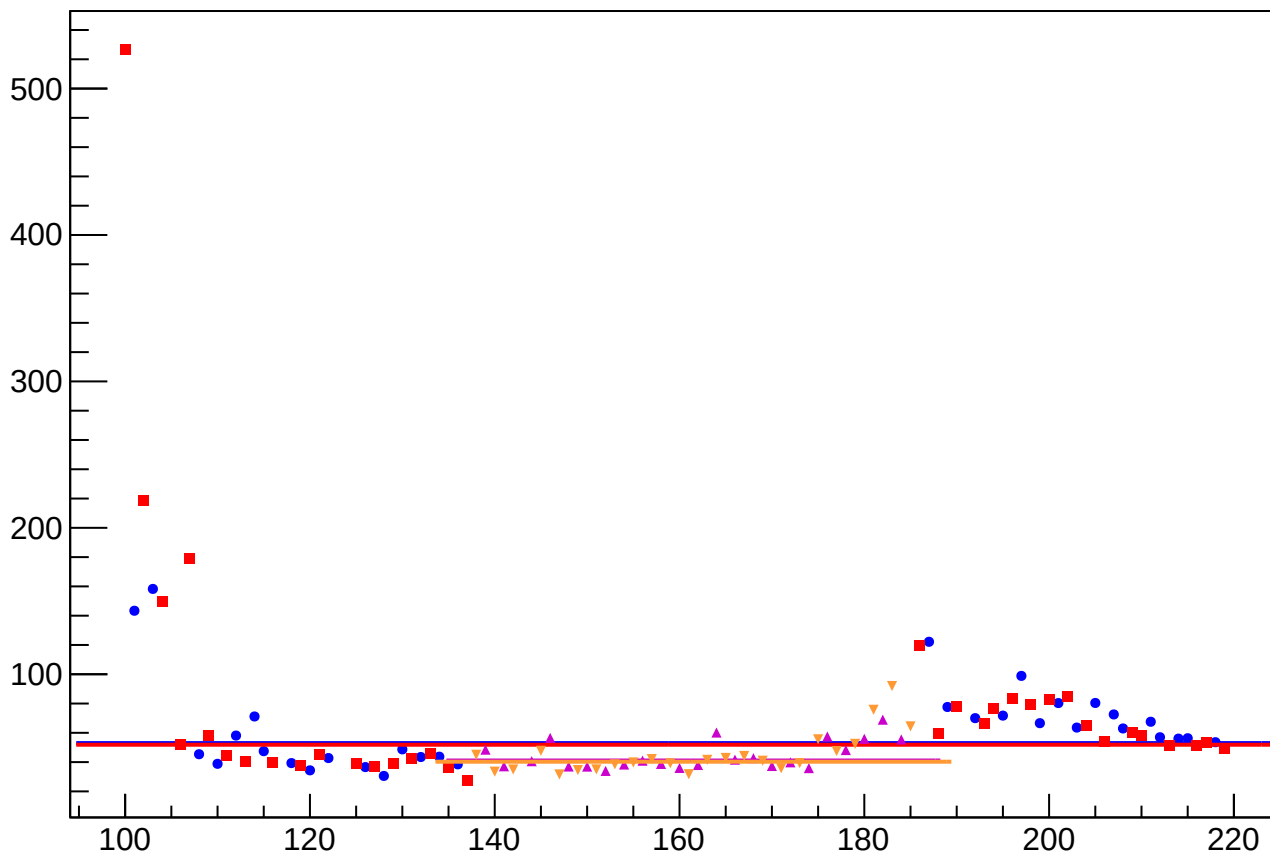
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.002 ± 0.008 χ^2/NDF : 46.4/55

All: 0.004 ± 0.006 χ^2/NDF : 124.4/113

- sign 0.007 ± 0.008 χ^2/NDF : 77.9/57

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.978+/-0.009 χ^2/NDF : 3583365.6/31

Left Out: 40.277+/-0.007 χ^2/NDF : 1489065.3/23

Right Out: 51.870+/-0.009 χ^2/NDF : 3577978.5/34

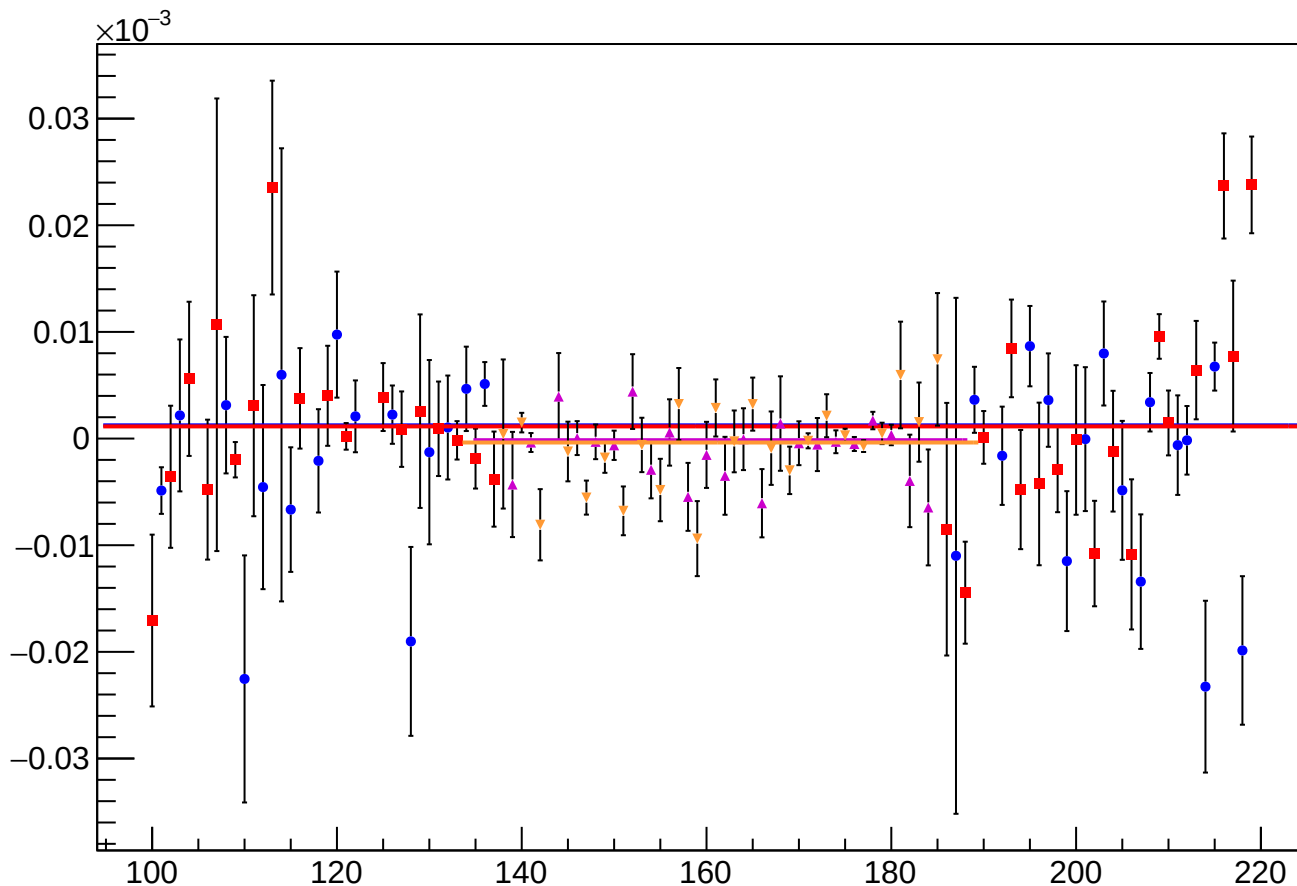
Left In: 41.082+/-0.007 χ^2/NDF : 926843.9/22

+ sign 45.047+/-0.006 χ^2/NDF : 6199339.3/55

All: 45.195+/-0.004 χ^2/NDF : 11529561.4/113

- sign 45.343+/-0.006 χ^2/NDF : 5328920.7/57

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 69.6/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 51.2/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 110.4/34

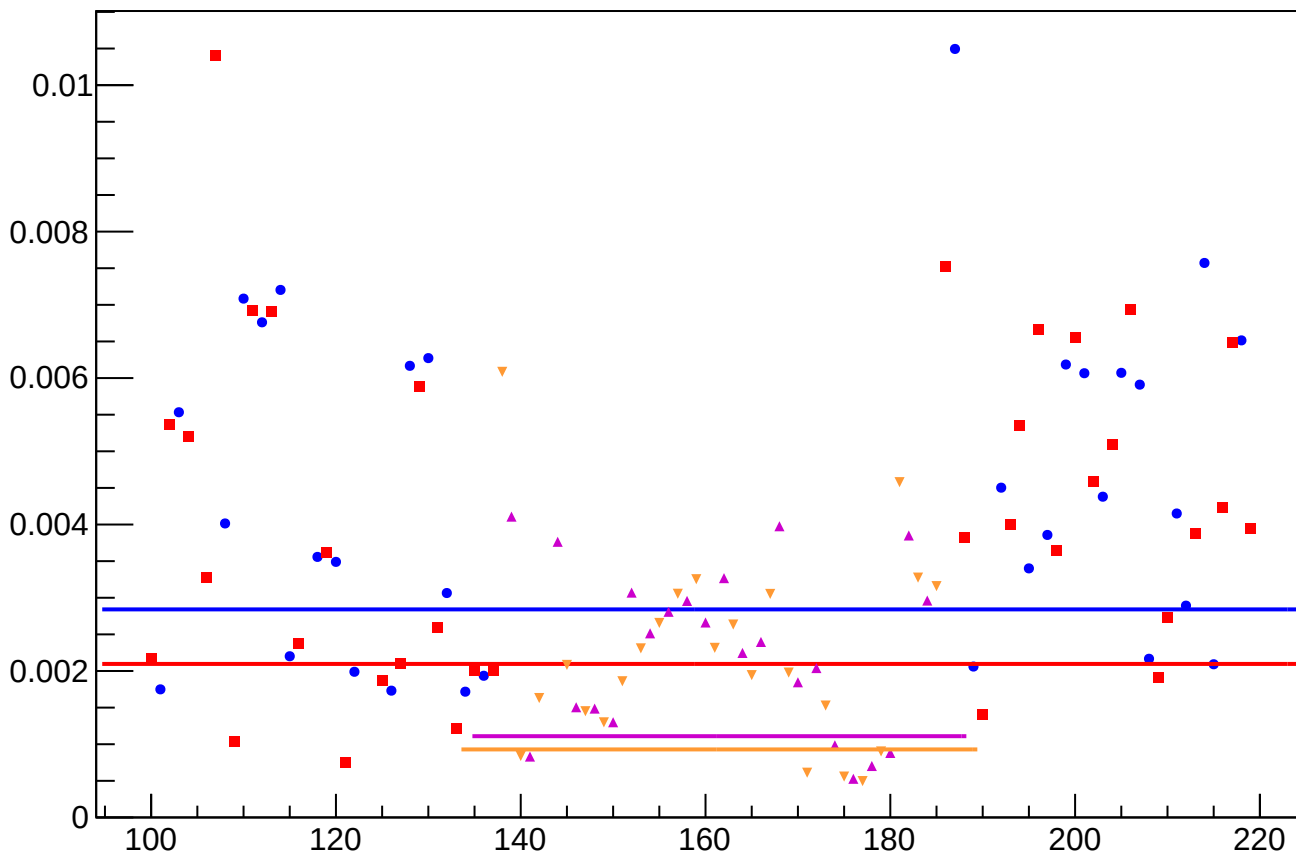
Left In: -0.000 ± 0.000 χ^2/NDF : 19.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 125.0/55

All: -0.000 ± 0.000 χ^2/NDF : 259.7/113

- sign 0.000 ± 0.000 χ^2/NDF : 134.0/57

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 7871100.2/31

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF :12568645.9/23

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 13910417.3/34

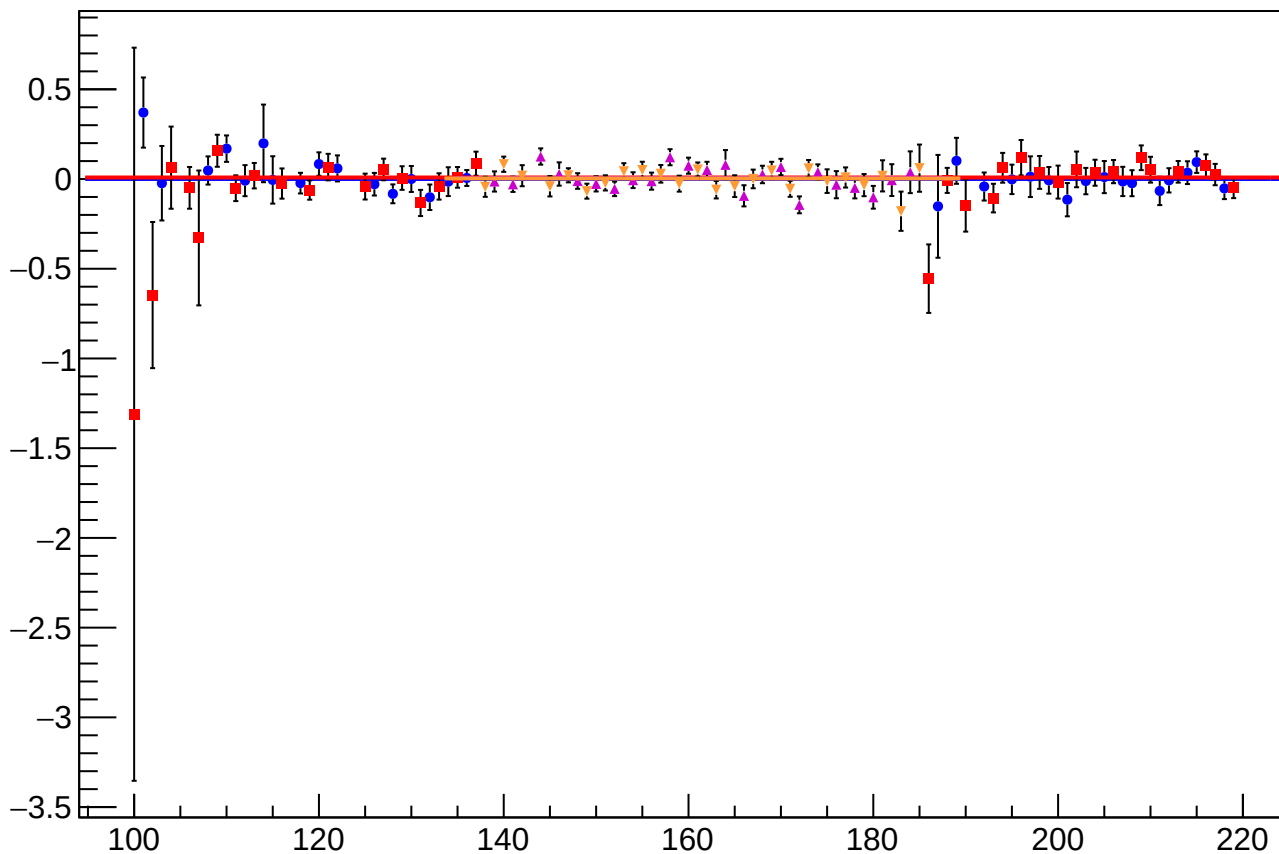
Left In: 0.001 $\pm$ 0.000 χ^2/NDF :10930077.0/22

+ sign 0.001 $\pm$ 0.000 χ^2/NDF : 32476963.4/55

All: 0.001 $\pm$ 0.000 χ^2/NDF : 62038825.1/113

- sign 0.001 $\pm$ 0.000 χ^2/NDF : 29202012.3/57

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.013 χ^2/NDF : 24.5/31

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: 0.009 ± 0.013 χ^2/NDF : 36.4/34

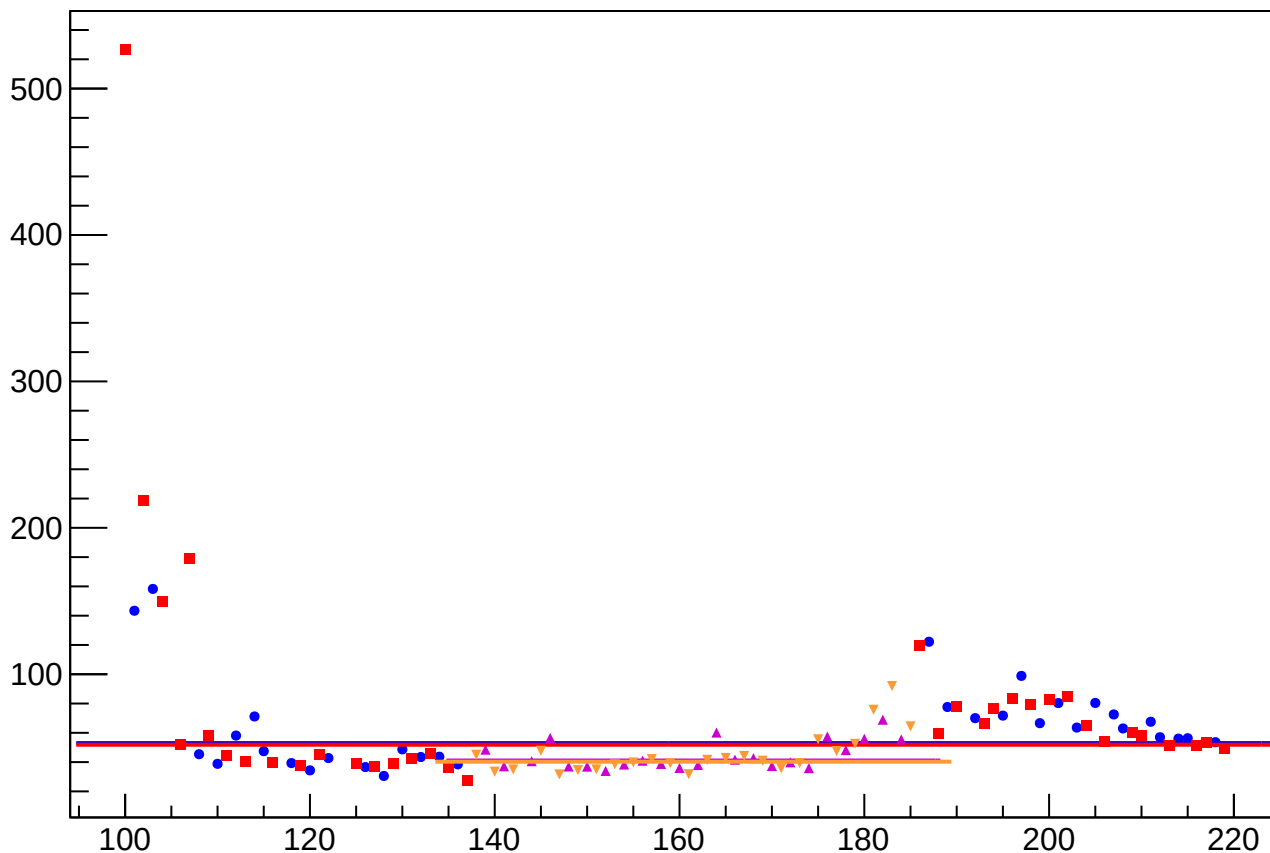
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.002 ± 0.008 χ^2/NDF : 46.4/55

All: 0.004 ± 0.006 χ^2/NDF : 124.4/113

- sign 0.007 ± 0.008 χ^2/NDF : 77.9/57

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.976 $\pm$ 0.009 χ^2 /NDF: 3584011.5/31

Left Out: 40.277 $\pm$ 0.007 χ^2 /NDF: 1489049.7/23

Right Out: 51.871 $\pm$ 0.009 χ^2 /NDF: 3577942.8/34

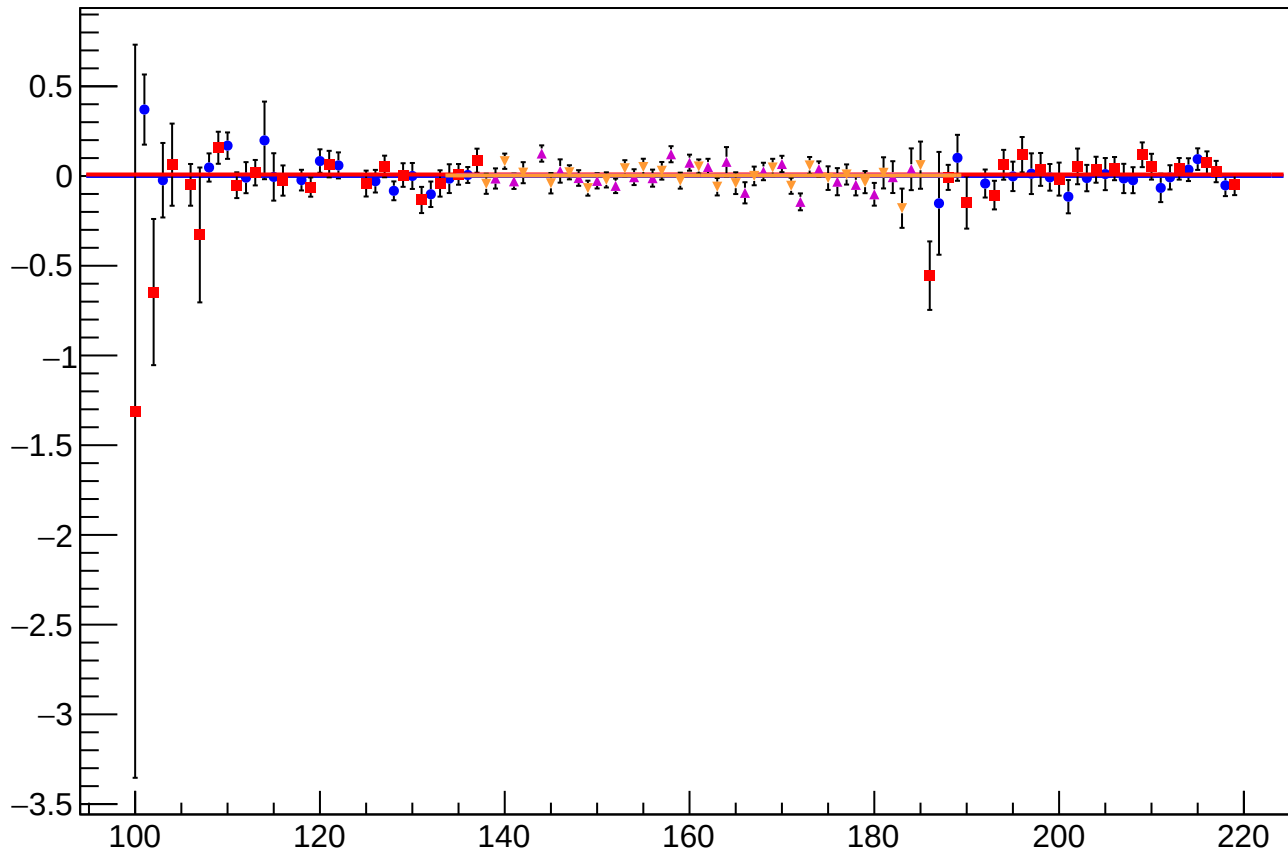
Left In: 41.082 $\pm$ 0.007 χ^2 /NDF: 926883.3/22

+ sign 45.047 $\pm$ 0.006 χ^2 /NDF: 6199672.2/55

All: 45.195 $\pm$ 0.004 χ^2 /NDF: 11529973.7/113

- sign 45.343 $\pm$ 0.006 χ^2 /NDF: 5328994.4/57

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 ± 0.013 χ^2/NDF : 24.5/31

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: 0.009 ± 0.013 χ^2/NDF : 36.4/34

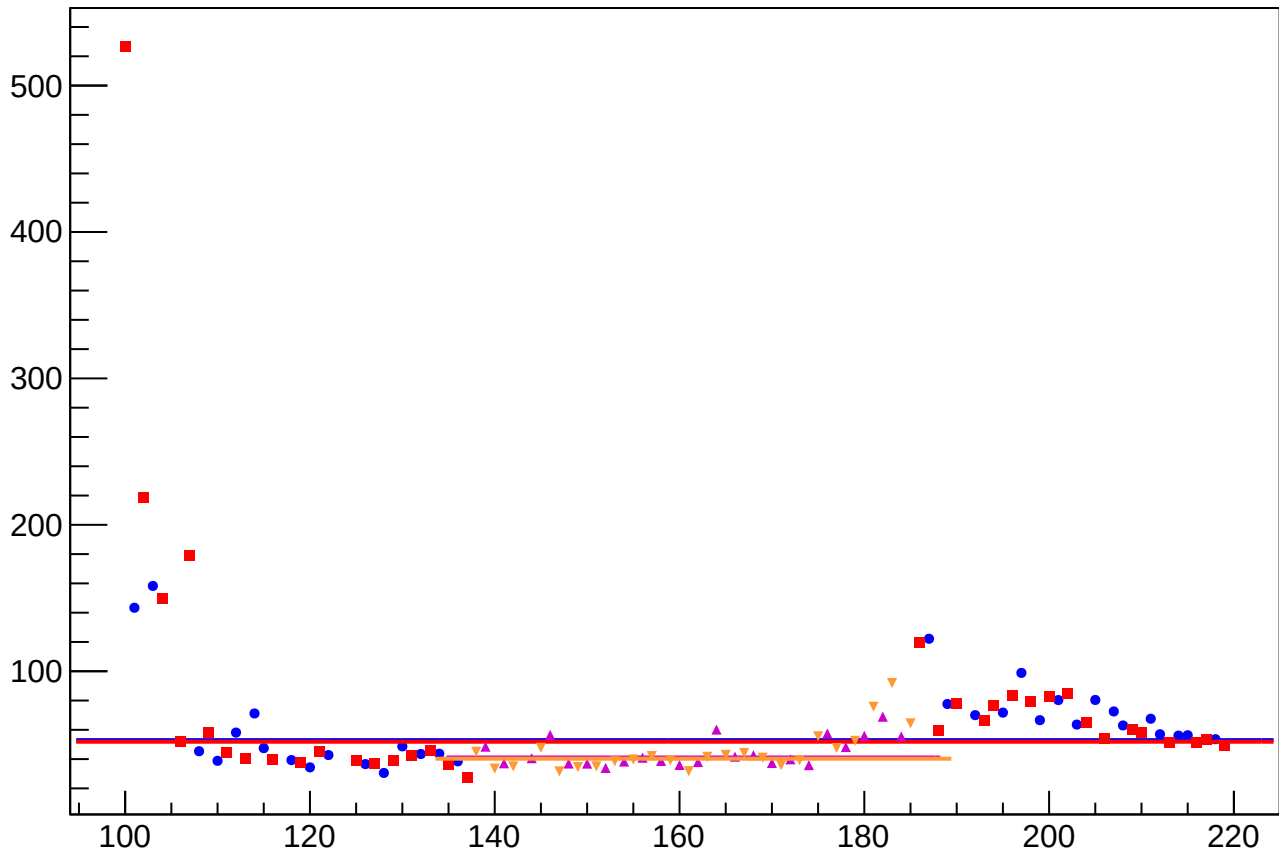
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.002 ± 0.008 χ^2/NDF : 46.4/55

All: 0.004 ± 0.006 χ^2/NDF : 124.4/113

- sign 0.007 ± 0.008 χ^2/NDF : 77.9/57

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.976 $\pm$ 0.009 χ^2 /NDF: 3584011.5/31

Left Out: 40.277 $\pm$ 0.007 χ^2 /NDF: 1489049.7/23

Right Out: 51.871 $\pm$ 0.009 χ^2 /NDF: 3577942.8/34

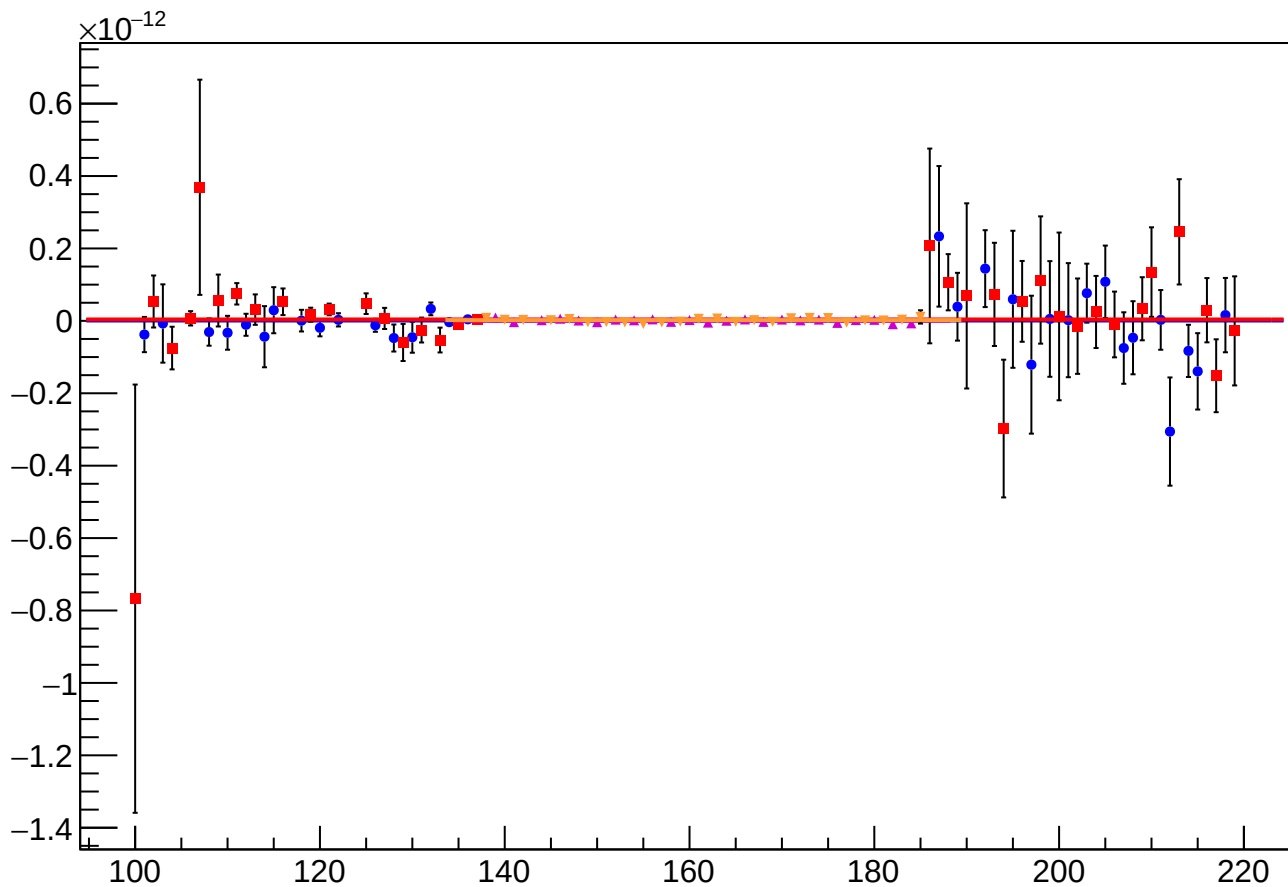
Left In: 41.082 $\pm$ 0.007 χ^2 /NDF: 926883.3/22

+ sign 45.047 $\pm$ 0.006 χ^2 /NDF: 6199672.2/55

All: 45.195 $\pm$ 0.004 χ^2 /NDF: 11529973.7/113

- sign 45.343 $\pm$ 0.006 χ^2 /NDF: 5328994.4/57

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.6/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.2/34

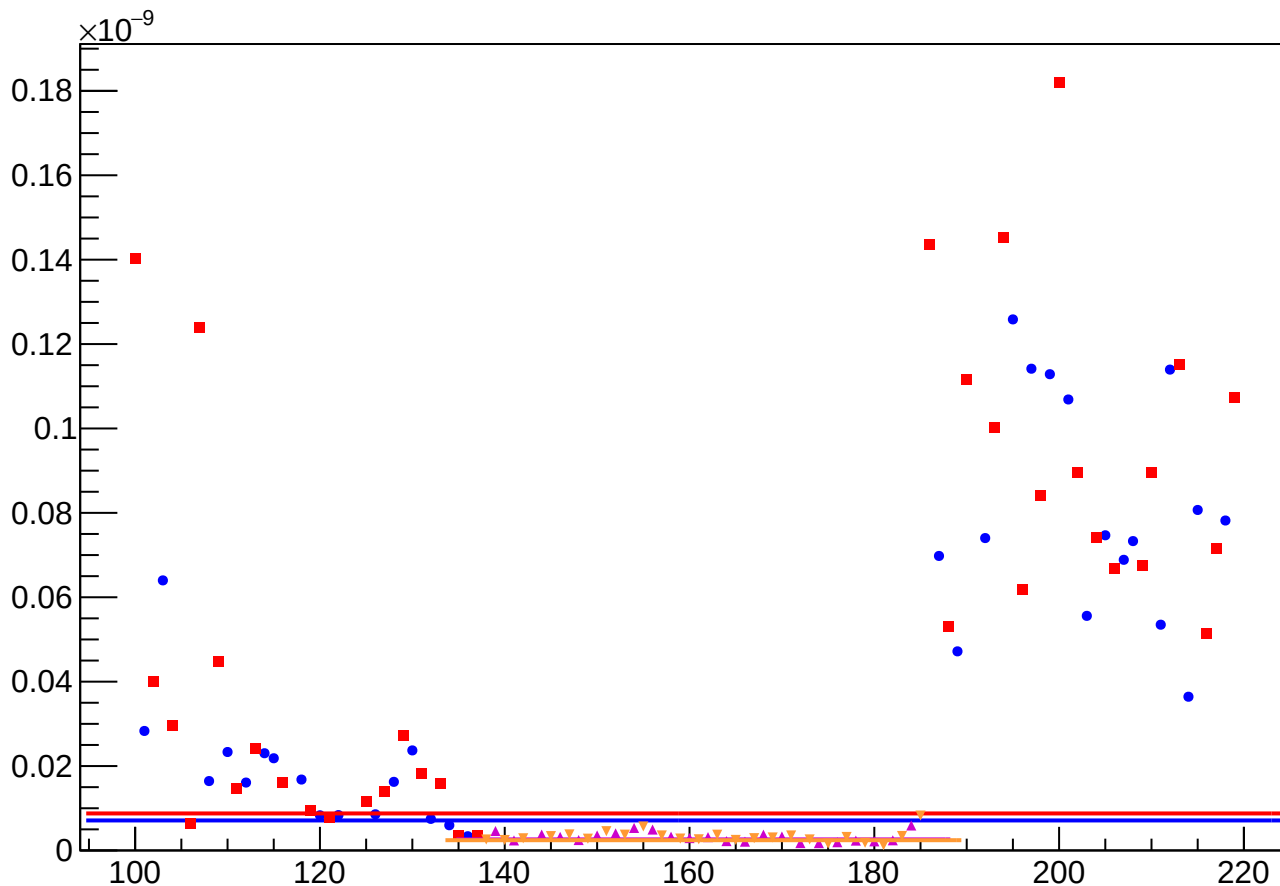
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:23.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 49.9/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 116.6/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64.8/57

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15161827.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 16726885.3/34

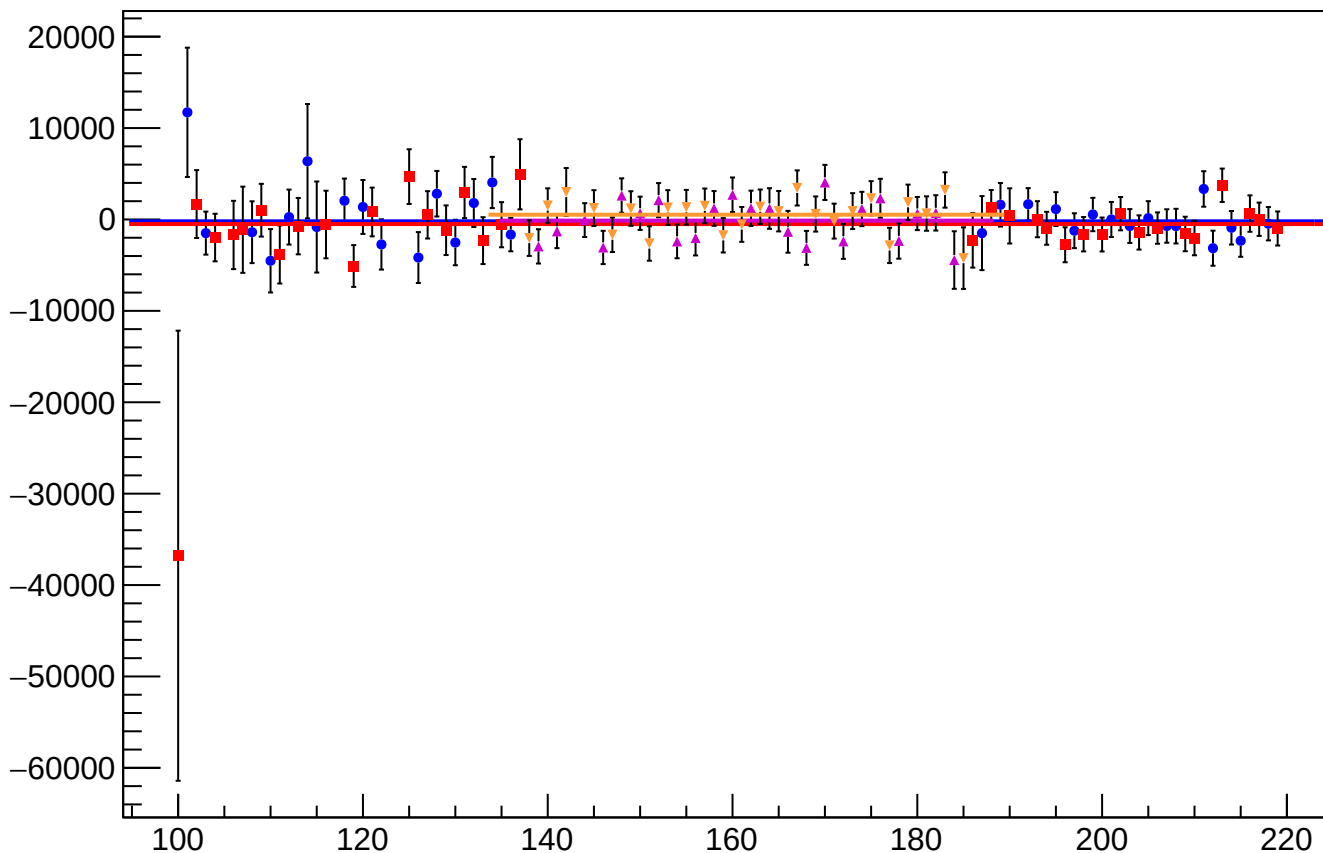
Left In: 0.000+/-0.000 χ^2/NDF : 1949059.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 20745564.0/55

All: 0.000+/-0.000 χ^2/NDF : 42822640.2/113

- sign 0.000+/-0.000 χ^2/NDF : 22021677.2/57

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -202.350 ± 398.257 χ^2/NDF : 26.2/31

Left Out: 519.929 ± 401.705 χ^2/NDF : 20.8/23

Right Out: -503.291 ± 391.568 χ^2/NDF : 27.1/34

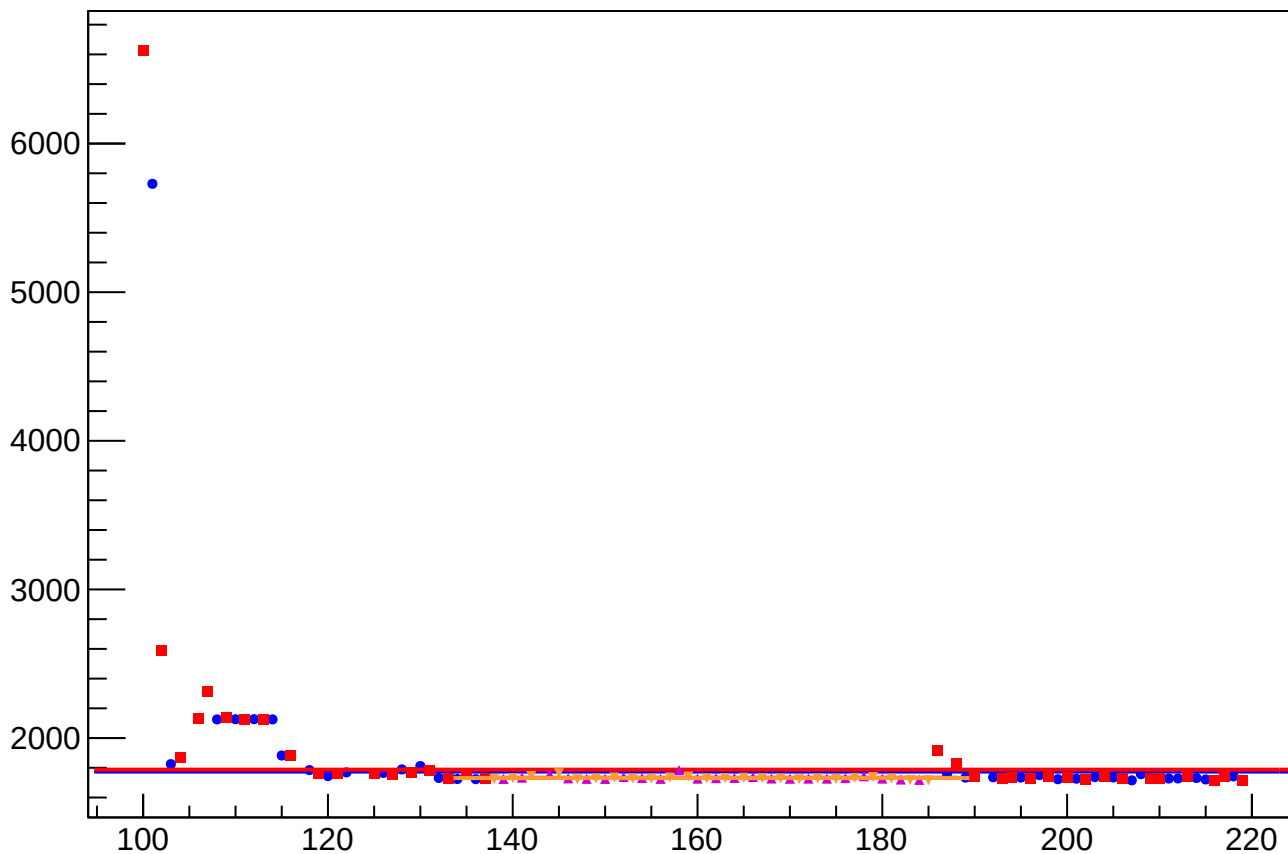
Left In: -126.031 ± 404.630 χ^2/NDF : 29.5/22

+ sign 155.677 ± 282.822 χ^2/NDF : 48.6/55

All: -83.799 ± 199.475 χ^2/NDF : 107.1/113

- sign -320.848 ± 281.385 χ^2/NDF : 57.0/57

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1774.539 $\pm$ 0.282 χ^2/NDF : 721755.1/31

Left Out: 1730.847 $\pm$ 0.284 χ^2/NDF : 969.7/23

Right Out: 1787.509 $\pm$ 0.277 χ^2/NDF : 327769.5/34

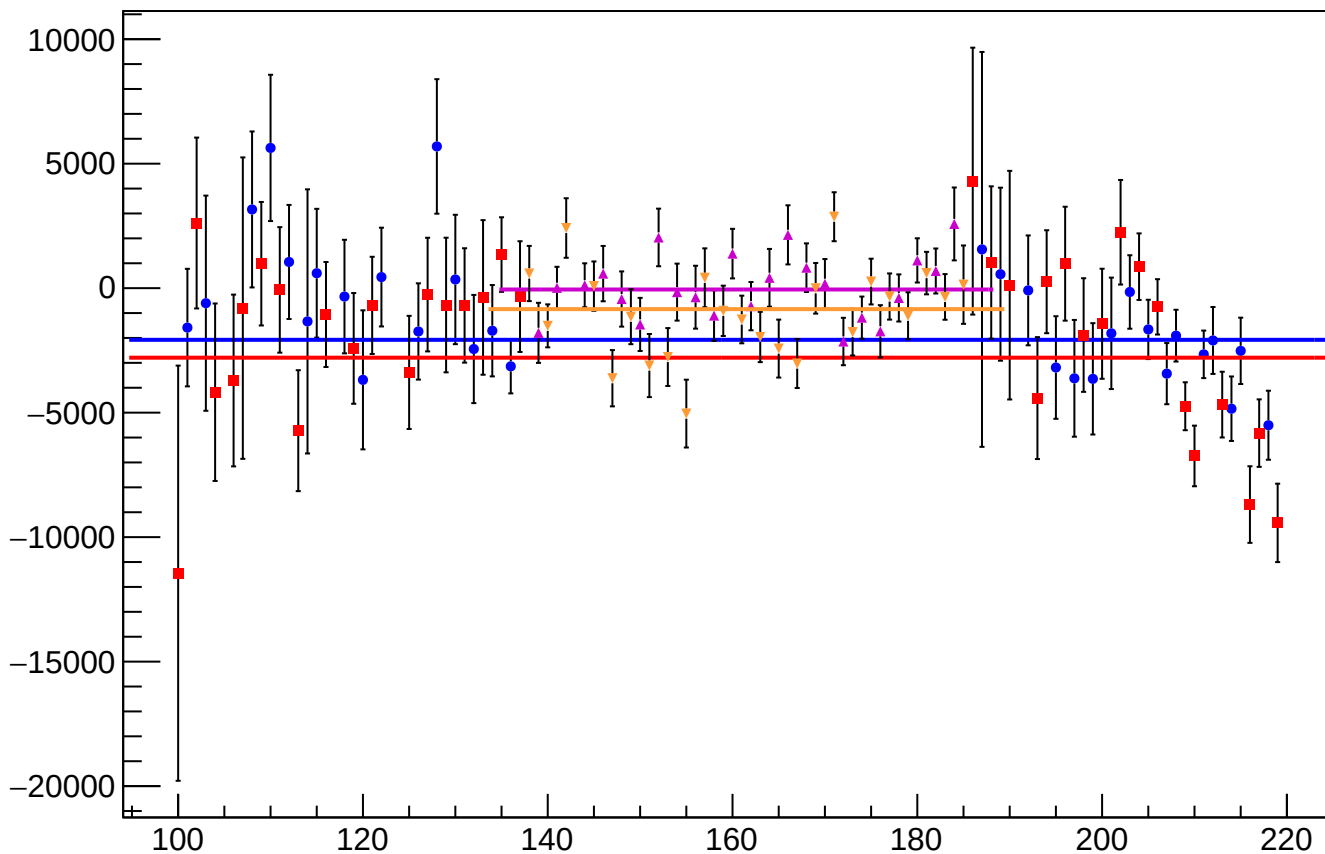
Left In: 1733.007 $\pm$ 0.286 χ^2/NDF : 2237.4/22

+ sign 1752.881 $\pm$ 0.200 χ^2/NDF : 734657.1/55

All: 1757.038 $\pm$ 0.141 χ^2/NDF : 1084261.9/11

- sign 1761.152 $\pm$ 0.199 χ^2/NDF : 348745.2/57

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug



Right In: -2075.007 ± 308.422 χ^2/NDF : 42.6/31

Left Out: -842.437 ± 210.852 χ^2/NDF : 62.7/23

Right Out: -2792.112 ± 326.105 χ^2/NDF : 103.2/34

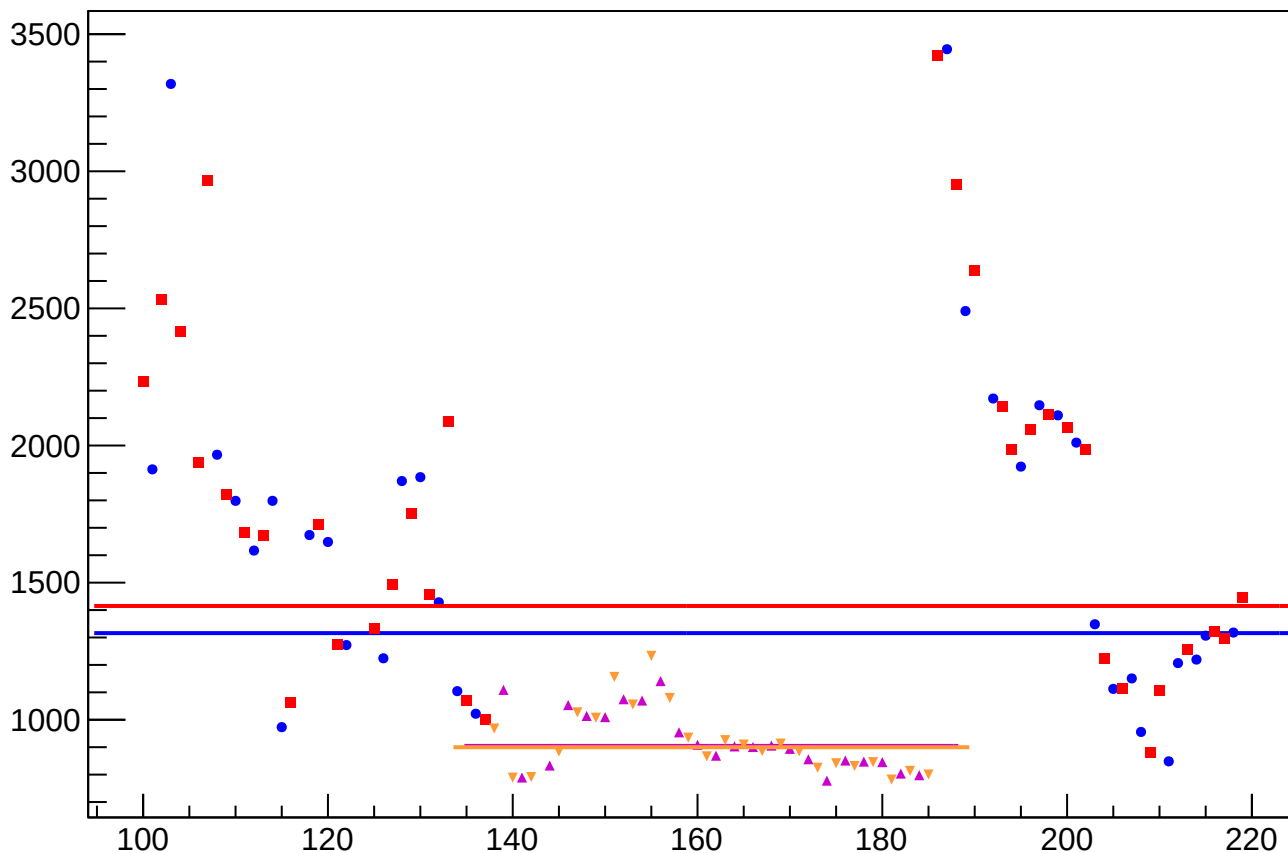
Left In: -53.905 ± 212.966 χ^2/NDF : 30.6/22

+ sign -1235.024 ± 174.063 χ^2/NDF : 116.2/55

All: -1058.163 ± 124.556 χ^2/NDF : 301.6/113

- sign -872.567 ± 178.310 χ^2/NDF : 183.3/57

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1315.951 $\pm$ 0.218 χ^2 /NDF: 3607924.6/31

Left Out: 899.811 $\pm$ 0.149 χ^2 /NDF: 495328.4/23

Right Out: 1414.969 $\pm$ 0.231 χ^2 /NDF: 3976970.6/34

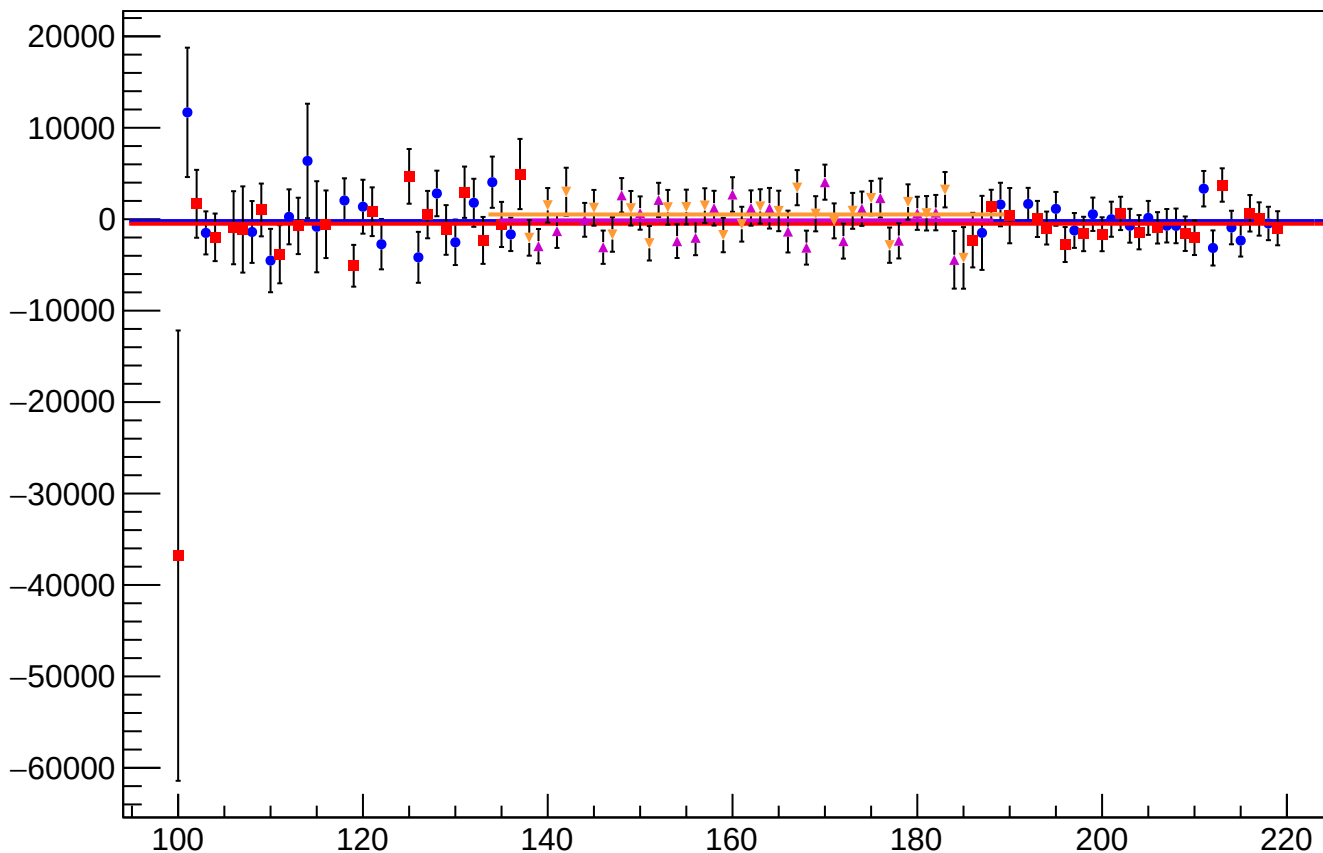
Left In: 904.656 $\pm$ 0.151 χ^2 /NDF: 452251.7/22

+ sign 1032.357 $\pm$ 0.123 χ^2 /NDF: 6584540.9/55

All: 1044.493 $\pm$ 0.088 χ^2 /NDF: 14467057.2/100

- sign 1057.228 $\pm$ 0.126 χ^2 /NDF: 7862591.8/57

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -202.658 ± 398.258 χ^2/NDF : 26.2/31

Left Out: 519.957 ± 401.705 χ^2/NDF : 20.8/23

Right Out: -494.409 ± 391.838 χ^2/NDF : 27.0/34

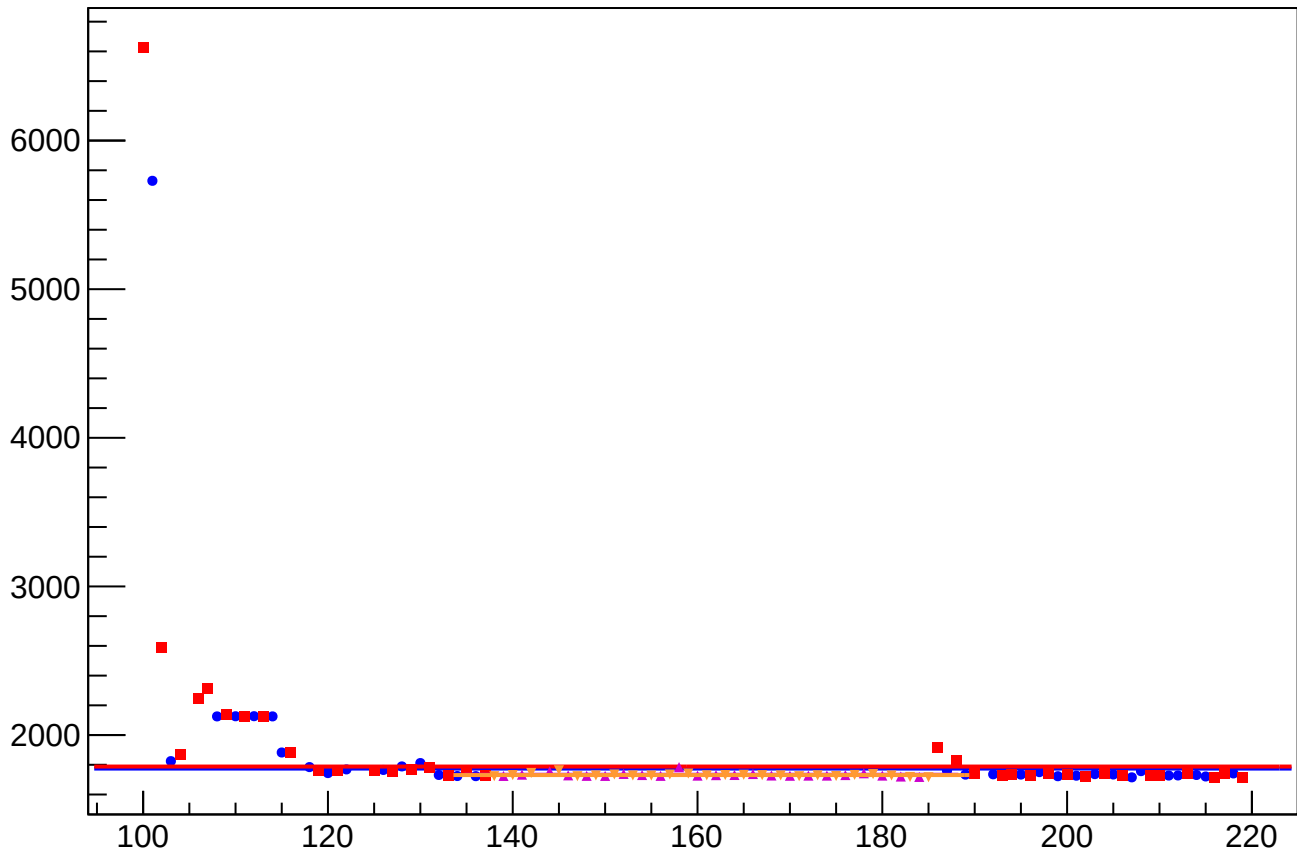
Left In: -126.091 ± 404.630 χ^2/NDF : 29.5/22

+ sign 155.535 ± 282.822 χ^2/NDF : 48.6/55

All: -81.432 ± 199.511 χ^2/NDF : 106.9/113

- sign -316.164 ± 281.485 χ^2/NDF : 56.9/57

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1774.539 $\pm$ 0.282 χ^2 /NDF: 721755.0/31

Left Out: 1730.847 $\pm$ 0.284 χ^2 /NDF: 969.7/23

Right Out: 1788.157 $\pm$ 0.277 χ^2 /NDF: 337426.6/34

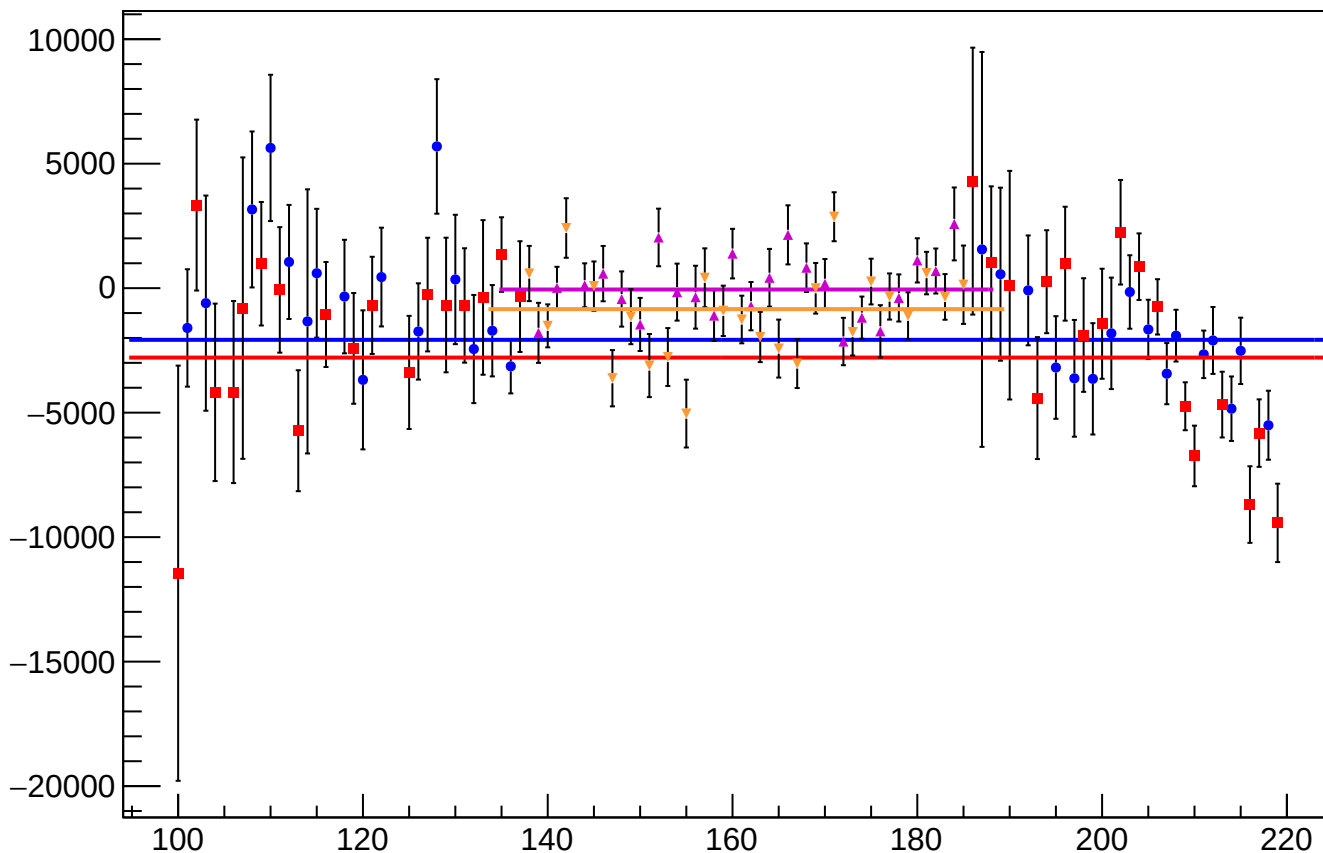
Left In: 1733.007 $\pm$ 0.286 χ^2 /NDF: 2237.4/22

+ sign 1752.881 $\pm$ 0.200 χ^2 /NDF: 734657.0/55

All: 1757.195 $\pm$ 0.141 χ^2 /NDF: 1094420.3/11

- sign 1761.468 $\pm$ 0.199 χ^2 /NDF: 358837.3/57

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug



Right In: -2075.191 $\pm$ 308.414 χ^2 /NDF: 42.6/31

Left Out: -842.473 $\pm$ 210.853 χ^2 /NDF: 62.7/23

Right Out: -2788.440 $\pm$ 326.264 χ^2 /NDF: 104.0/34

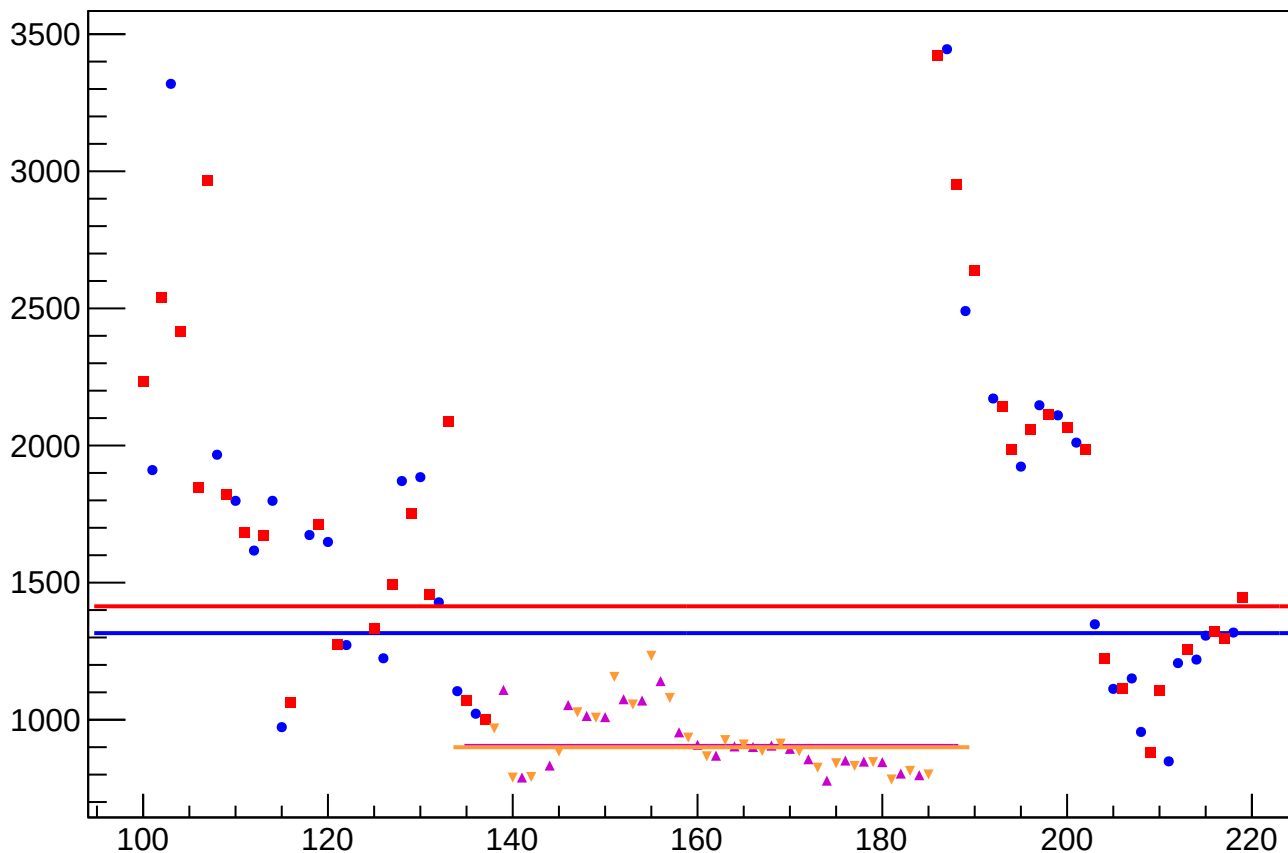
Left In: -53.927 $\pm$ 212.965 χ^2 /NDF: 30.6/22

+ sign -1235.123 $\pm$ 174.062 χ^2 /NDF: 116.2/55

All: -1057.438 $\pm$ 124.564 χ^2 /NDF: 302.2/113

- sign -870.922 $\pm$ 178.336 χ^2 /NDF: 183.9/57

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1315.929 $\pm$ 0.218 χ^2 /NDF: 3607247.7/31

Left Out: 899.814 $\pm$ 0.149 χ^2 /NDF: 495276.2/23

Right Out: 1413.744 $\pm$ 0.231 χ^2 /NDF: 3960630.7/34

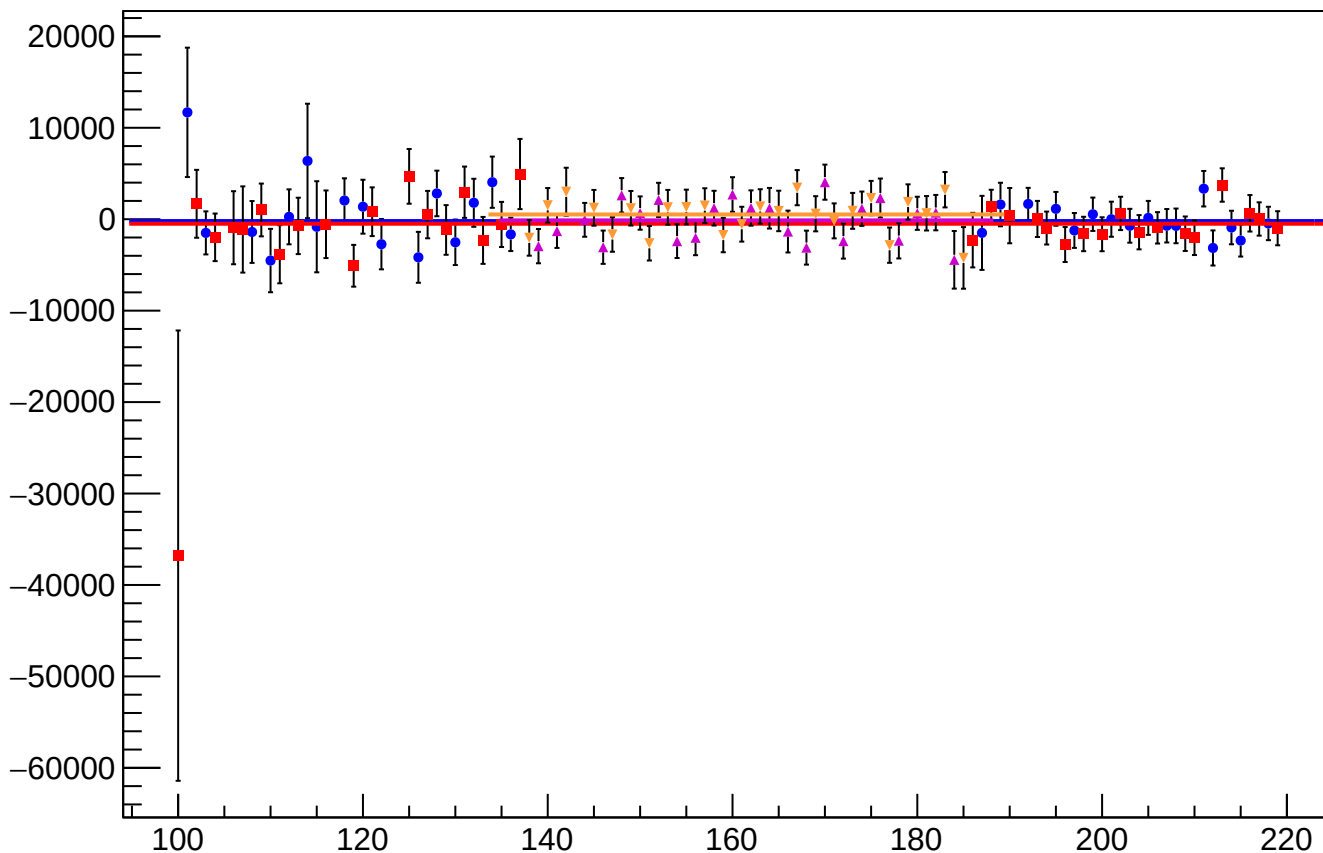
Left In: 904.653 $\pm$ 0.151 χ^2 /NDF: 452259.2/22

+ sign 1032.357 $\pm$ 0.123 χ^2 /NDF: 6583594.6/55

All: 1044.260 $\pm$ 0.088 χ^2 /NDF: 14430272.3/1

- sign 1056.755 $\pm$ 0.126 χ^2 /NDF: 7827506.8/57

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -202.658 ± 398.258 χ^2/NDF : 26.2/31

Left Out: 519.957 ± 401.705 χ^2/NDF : 20.8/23

Right Out: -494.409 ± 391.838 χ^2/NDF : 27.0/34

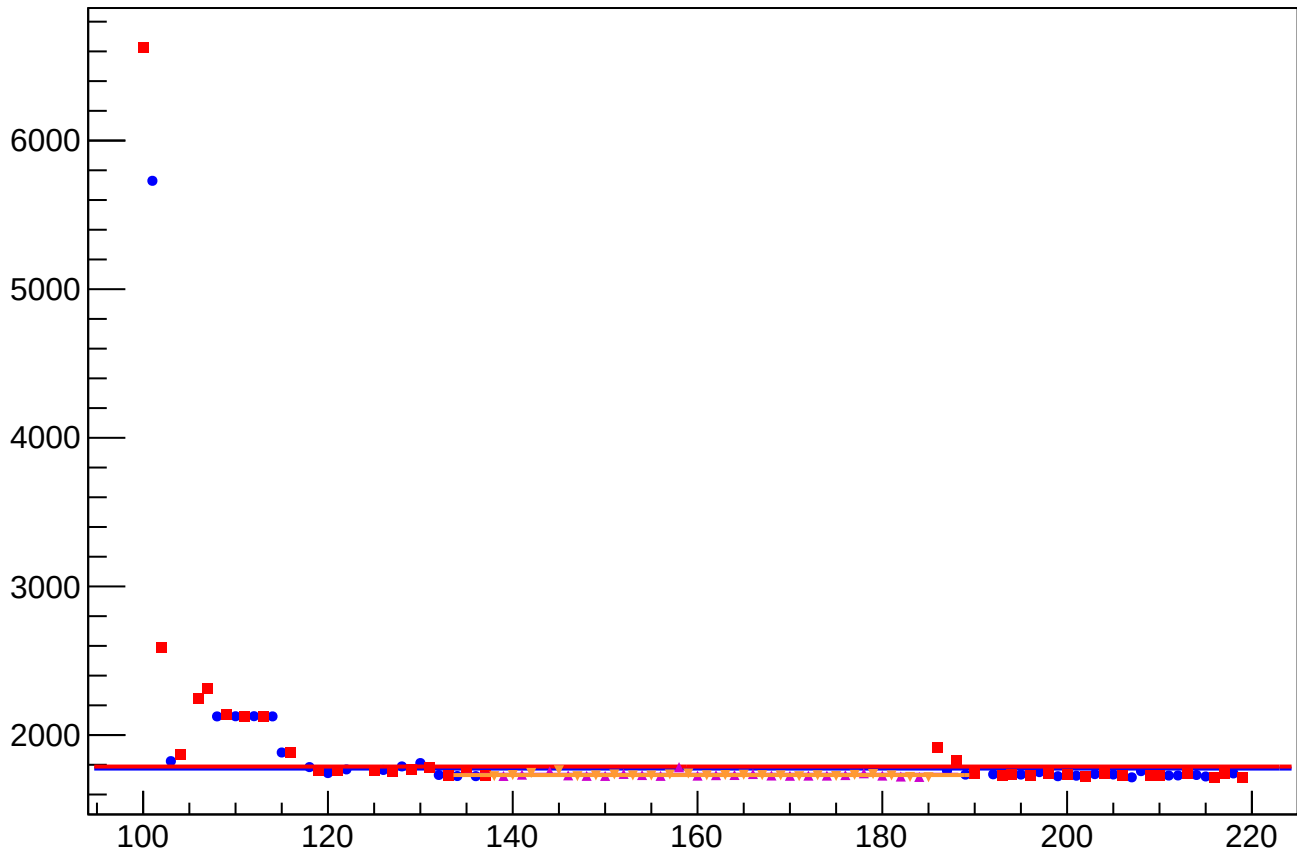
Left In: -126.091 ± 404.630 χ^2/NDF : 29.5/22

+ sign 155.535 ± 282.822 χ^2/NDF : 48.6/55

All: -81.432 ± 199.511 χ^2/NDF : 106.9/113

- sign -316.164 ± 281.485 χ^2/NDF : 56.9/57

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1774.539+/-0.282 χ^2/NDF : 721755.0/31

Left Out: 1730.847+/-0.284 χ^2/NDF : 969.7/23

Right Out: 1788.157+/-0.277 χ^2/NDF : 337426.6/34

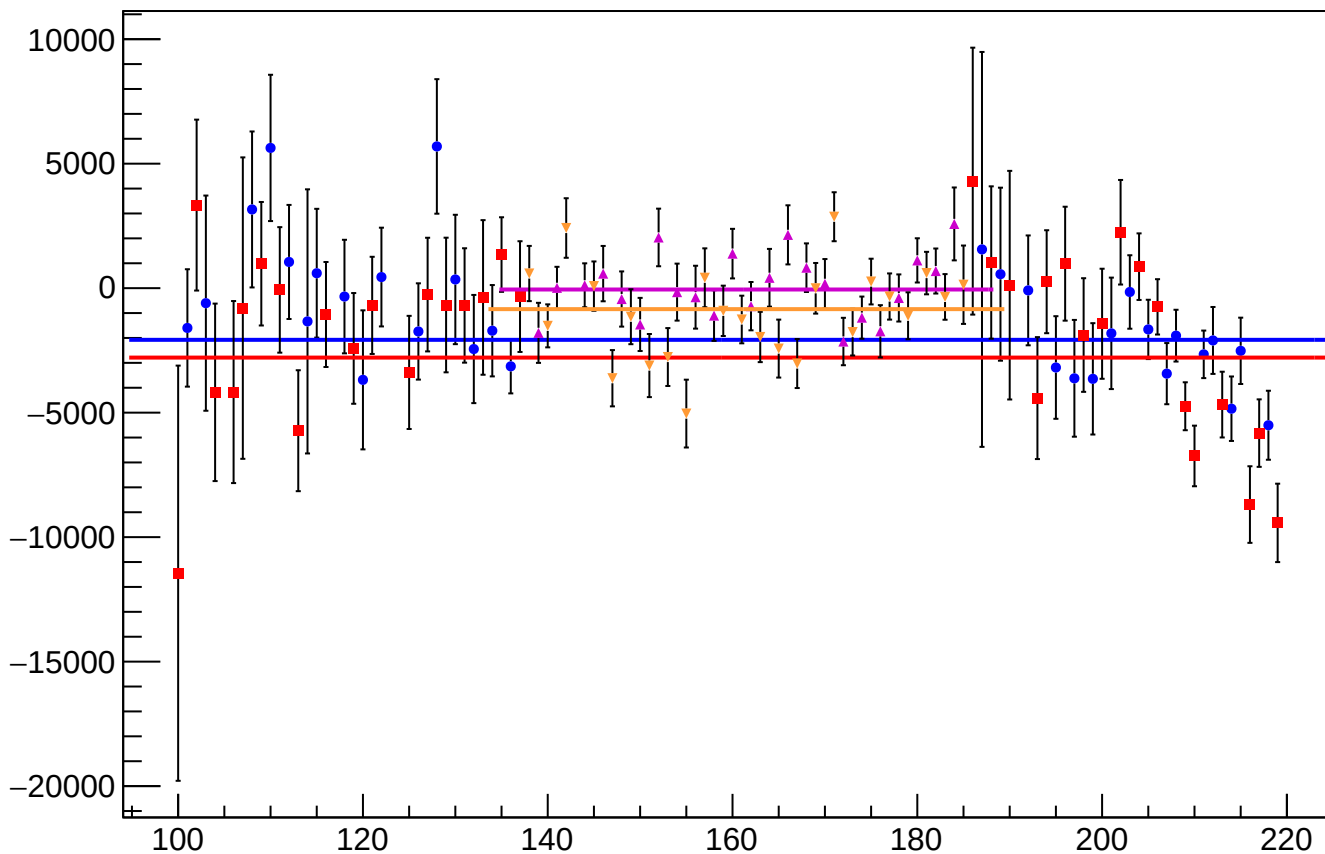
Left In: 1733.007+/-0.286 χ^2/NDF : 2237.4/22

+ sign 1752.881+/-0.200 χ^2/NDF : 734657.0/55

All: 1757.195+/-0.141 χ^2/NDF : 1094420.3/11

- sign 1761.468+/-0.199 χ^2/NDF : 358837.3/57

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: -2075.191 ± 308.414 $\chi^2/\text{NDF}: 42.6/31$

Left Out: -842.473 ± 210.853 $\chi^2/\text{NDF}: 62.7/23$

+ sign -1235.123 ± 174.062 $\chi^2/\text{NDF}: 116.2/55$

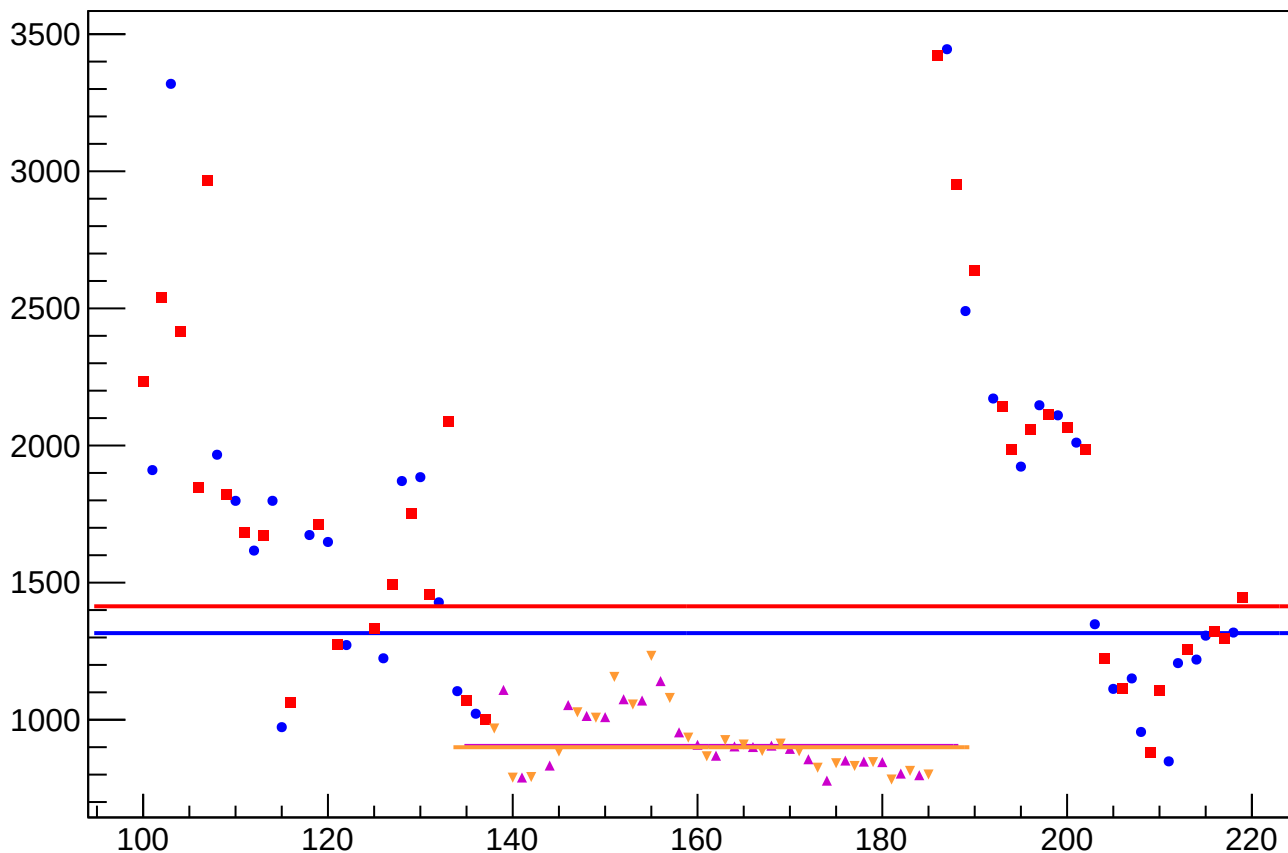
Right Out: -2788.440 ± 326.264 $\chi^2/\text{NDF}: 104.0/34$

All: -1057.438 ± 124.564 $\chi^2/\text{NDF}: 302.2/113$

Left In: -53.927 ± 212.965 $\chi^2/\text{NDF}: 30.6/22$

- sign -870.922 ± 178.336 $\chi^2/\text{NDF}: 183.9/57$

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 1315.929 $\pm$ 0.218 χ^2 /NDF: 3607247.7/31

Left Out: 899.814 $\pm$ 0.149 χ^2 /NDF: 495276.2/23

Right Out: 1413.744 $\pm$ 0.231 χ^2 /NDF: 3960630.7/34

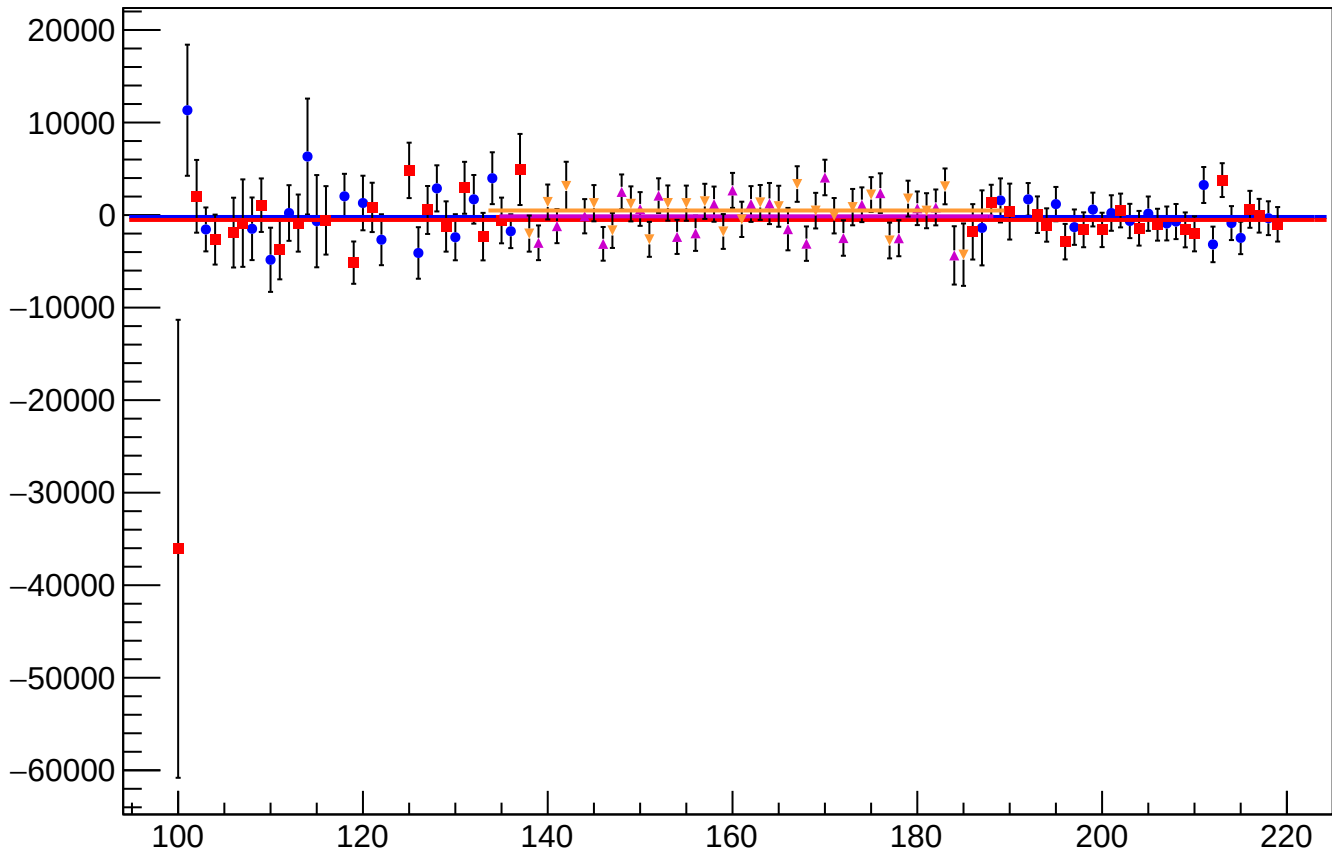
Left In: 904.653 $\pm$ 0.151 χ^2 /NDF: 452259.2/22

+ sign 1032.357 $\pm$ 0.123 χ^2 /NDF: 6583594.6/55

All: 1044.260 $\pm$ 0.088 χ^2 /NDF: 14430272.3/100

- sign 1056.755 $\pm$ 0.126 χ^2 /NDF: 7827506.8/57

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -206.682 ± 398.648 χ^2/NDF : 26.3/31

Left Out: 494.897 ± 402.069 χ^2/NDF : 20.1/23

Right Out: -526.975 ± 392.552 χ^2/NDF : 27.7/34

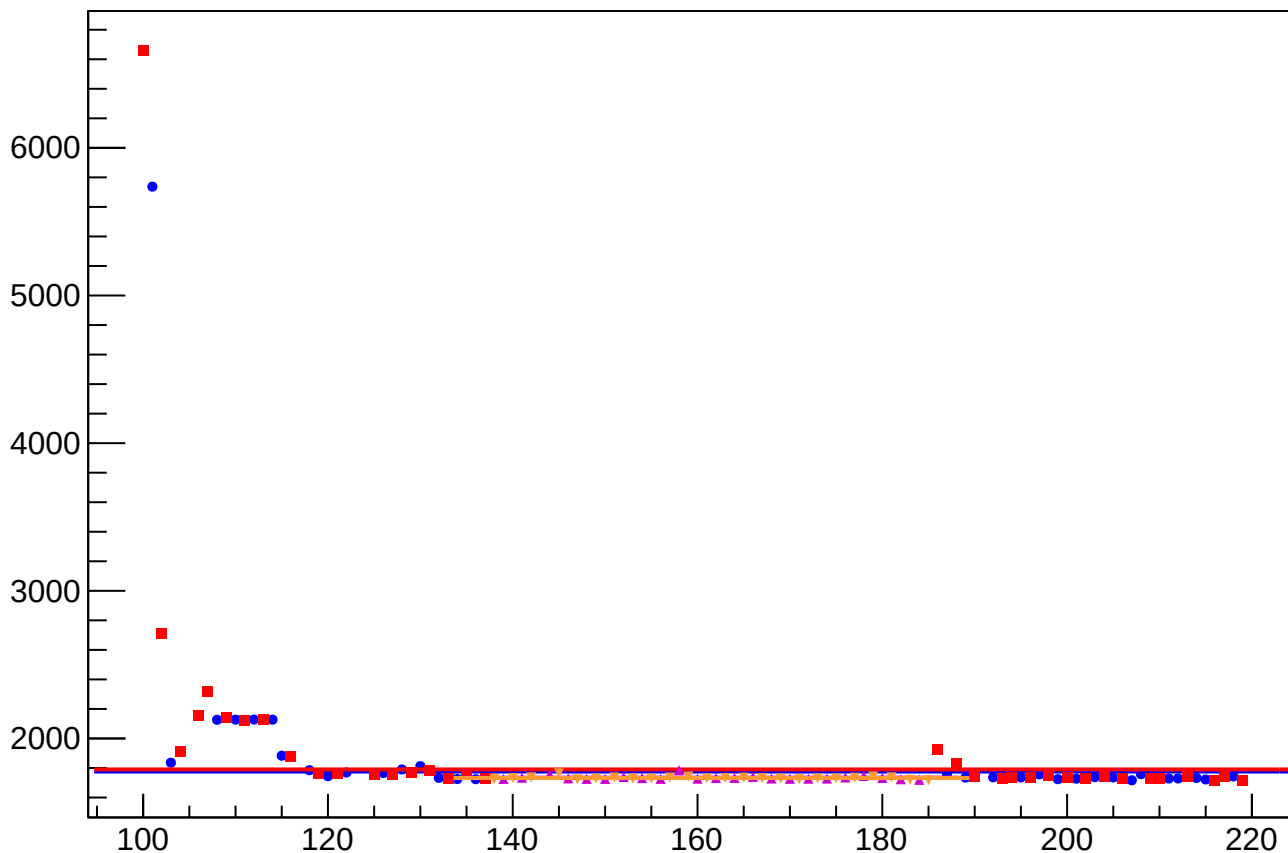
Left In: -137.162 ± 404.995 χ^2/NDF : 29.6/22

+ sign 141.110 ± 283.089 χ^2/NDF : 47.8/55

All: -99.551 ± 199.742 χ^2/NDF : 107.0/113

- sign -338.149 ± 281.872 χ^2/NDF : 57.7/57

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1776.172 $\pm$ 0.282 χ^2 /NDF: 722284.3/31

Left Out: 1732.389 $\pm$ 0.284 χ^2 /NDF: 910.8/23

Right Out: 1790.204 $\pm$ 0.278 χ^2 /NDF: 348476.3/34

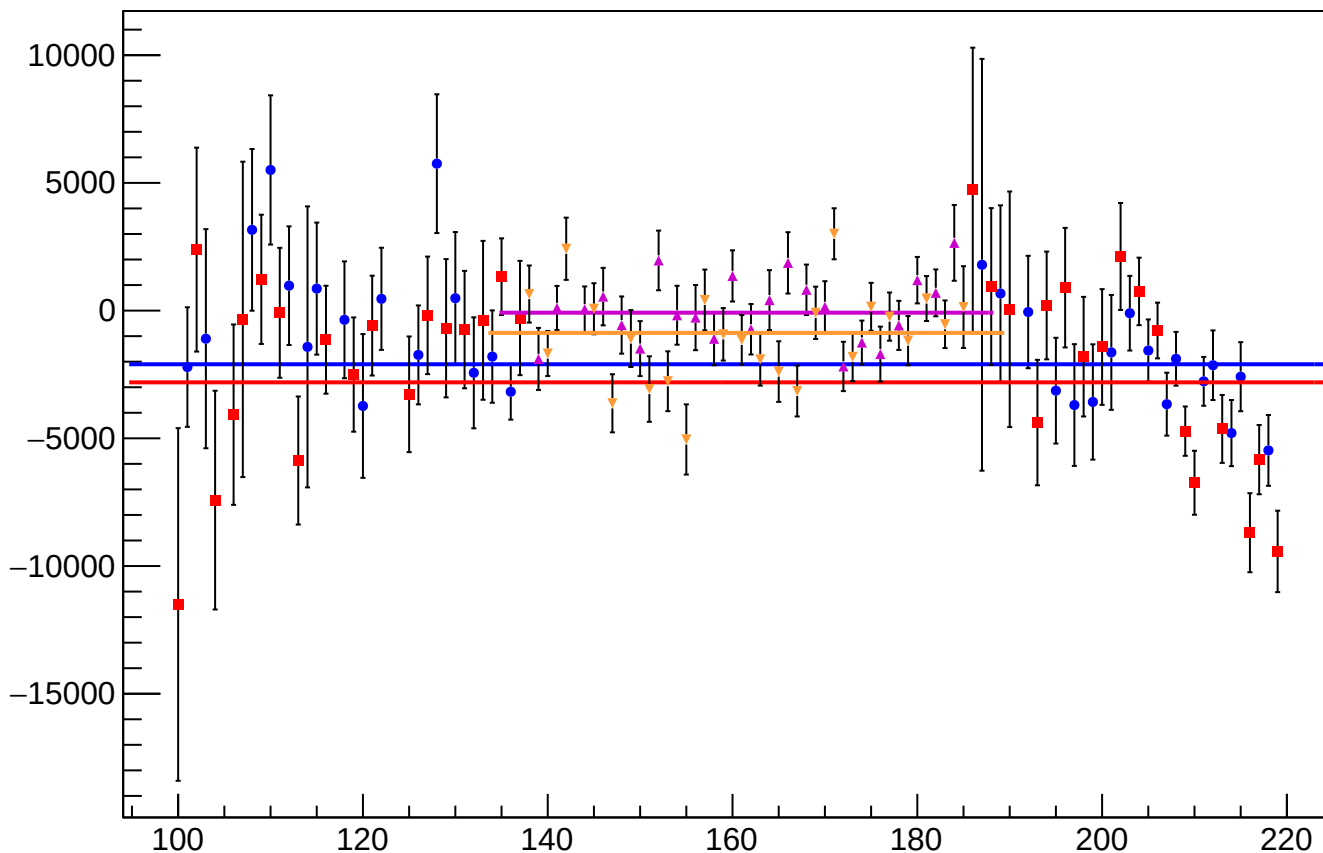
Left In: 1734.568 $\pm$ 0.286 χ^2 /NDF: 2215.7/22

+ sign 1754.467 $\pm$ 0.200 χ^2 /NDF: 735154.4/55

All: 1758.879 $\pm$ 0.141 χ^2 /NDF: 1106274.0/11

- sign 1763.254 $\pm$ 0.199 χ^2 /NDF: 370152.2/57

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug



Right In: -2100.560 $\pm$ 309.998 χ^2 /NDF: 43.1/31

Left Out: -872.827 $\pm$ 214.008 χ^2 /NDF:62.0/23

Right Out: -2808.970 $\pm$ 328.536 χ^2 /NDF: 101.9/34

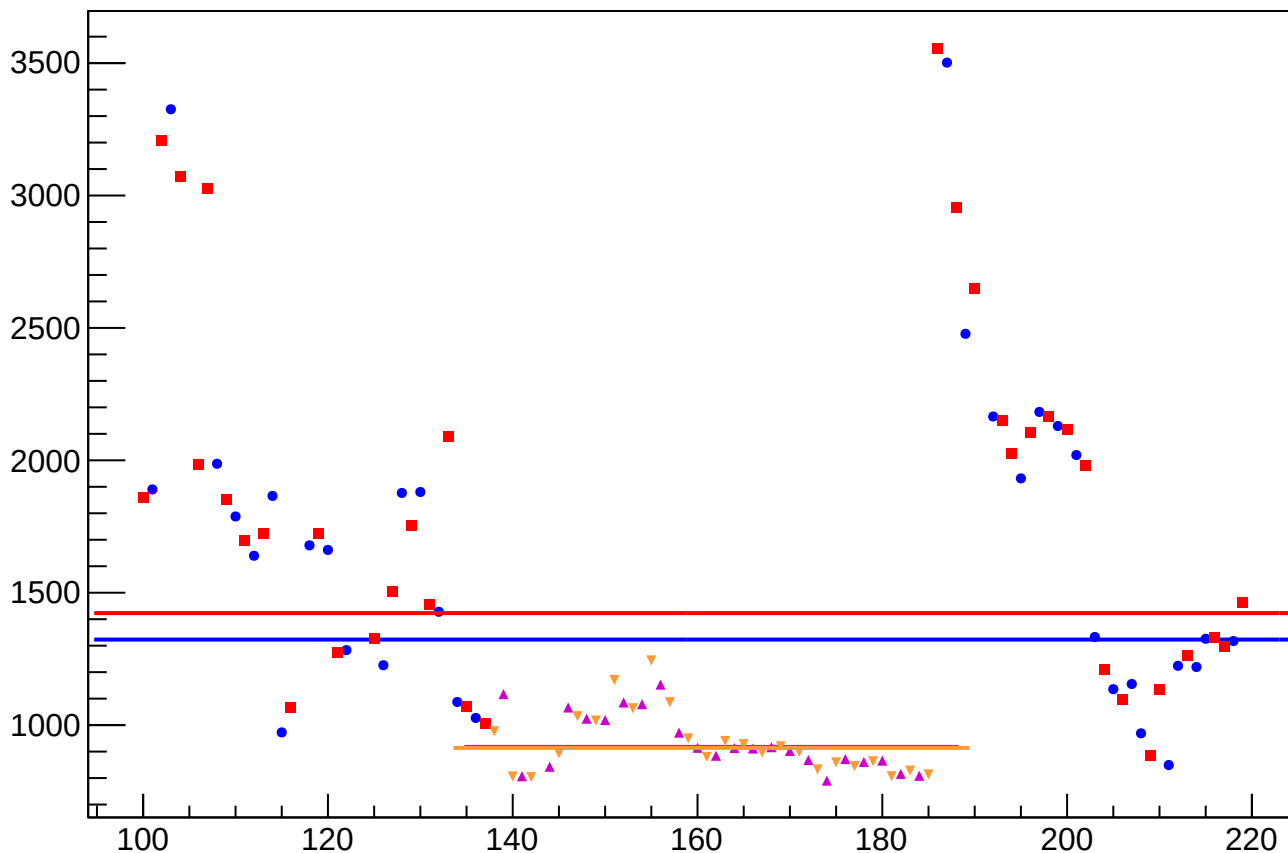
Left In: -81.519 $\pm$ 215.913 χ^2 /NDF:30.0/22

+ sign -1269.092 $\pm$ 176.117 χ^2 /NDF: 115.8/55

All: -1091.068 $\pm$ 126.032 χ^2 /NDF: 297.8/113

- sign -904.206 $\pm$ 180.435 χ^2 /NDF: 180.0/57

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1323.007 $\pm$ 0.219 χ^2 /NDF: 3598703.6/31

Left Out: 913.899 $\pm$ 0.151 χ^2 /NDF: 462850.2/23

Right Out: 1423.085 $\pm$ 0.232 χ^2 /NDF: 4399501.0/34

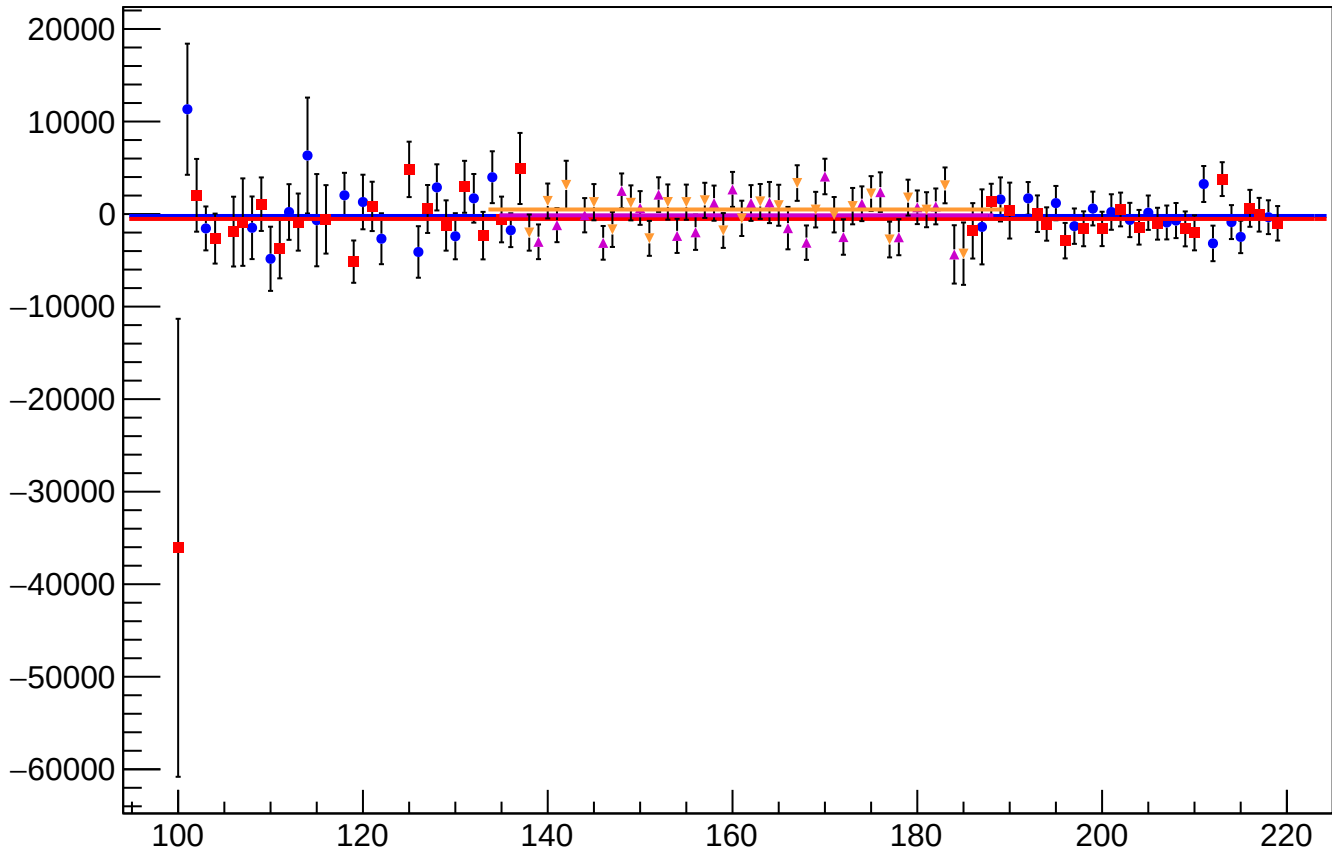
Left In: 917.674 $\pm$ 0.153 χ^2 /NDF: 430498.5/22

+ sign 1045.943 $\pm$ 0.125 χ^2 /NDF: 6420558.0/55

All: 1057.740 $\pm$ 0.089 χ^2 /NDF: 14574456.7/1

- sign 1070.122 $\pm$ 0.128 χ^2 /NDF: 8135506.2/57

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -206.680 ± 398.648 χ^2/NDF : 26.3/31

Left Out: 494.897 ± 402.069 χ^2/NDF : 20.1/23

Right Out: -526.970 ± 392.552 χ^2/NDF : 27.7/34

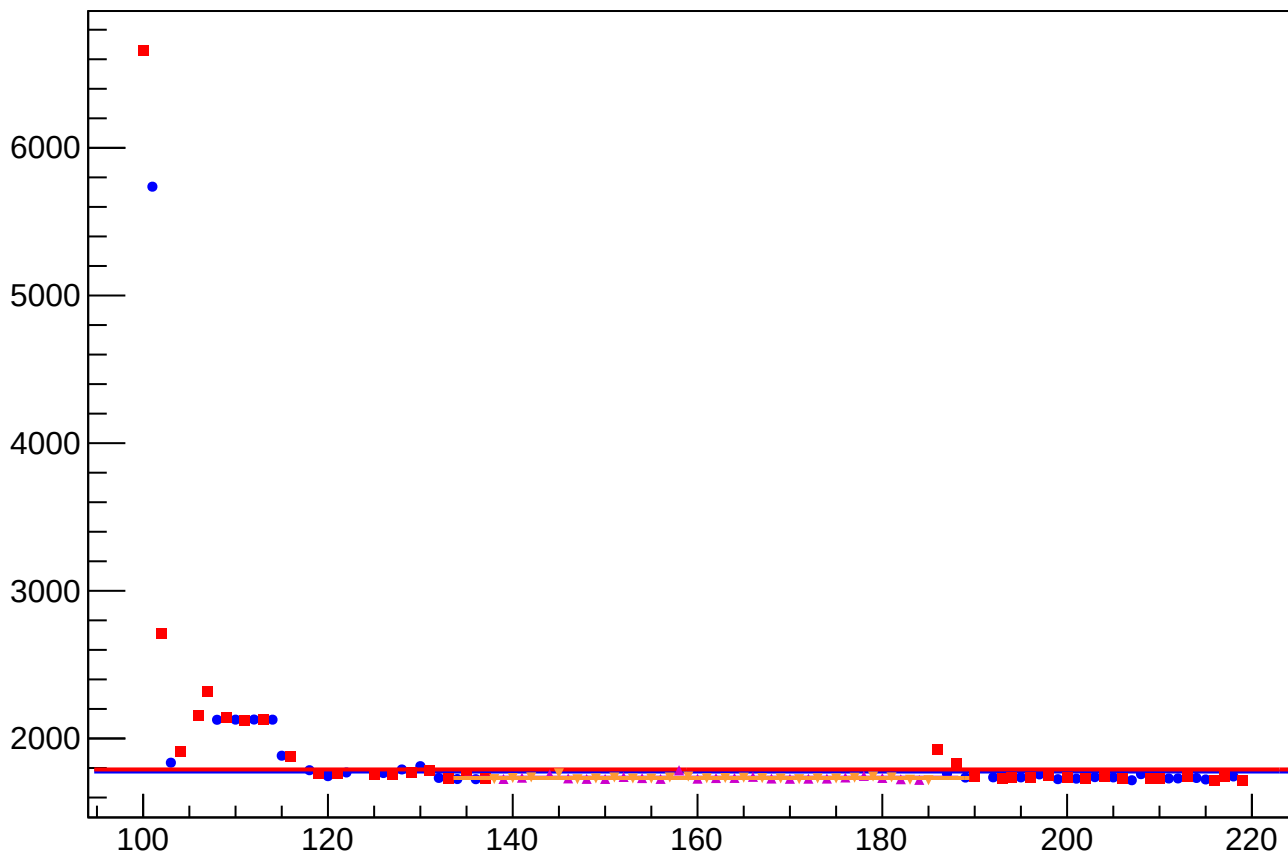
Left In: -137.163 ± 404.995 χ^2/NDF : 29.6/22

+ sign 141.111 ± 283.089 χ^2/NDF : 47.8/55

All: -99.549 ± 199.742 χ^2/NDF : 107.0/113

- sign -338.146 ± 281.872 χ^2/NDF : 57.7/57

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1776.172+/-0.282 χ^2/NDF : 722284.3/31

Left Out: 1732.389+/-0.284 χ^2/NDF : 910.8/23

Right Out: 1790.204+/-0.278 χ^2/NDF : 348476.0/34

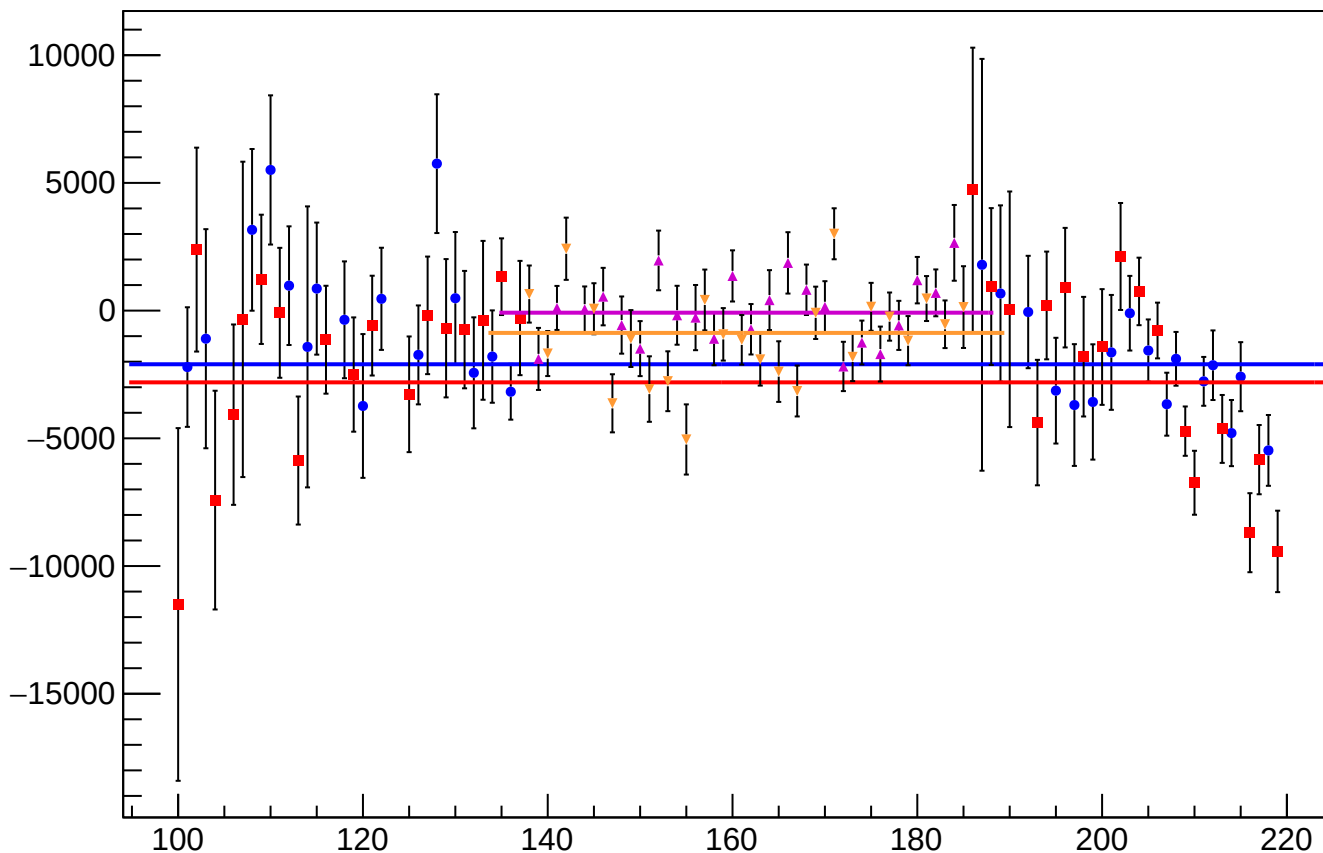
Left In: 1734.568+/-0.286 χ^2/NDF : 2215.7/22

+ sign 1754.467+/-0.200 χ^2/NDF : 735154.3/55

All: 1758.879+/-0.141 χ^2/NDF : 1106273.7/111

- sign 1763.254+/-0.199 χ^2/NDF : 370151.9/57

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: -2100.555+/-309.998 χ^2/NDF : 43.1/31

Left Out: -872.826+/-214.008 χ^2/NDF : 62.0/23

Right Out: -2808.971+/-328.535 χ^2/NDF : 101.9/34

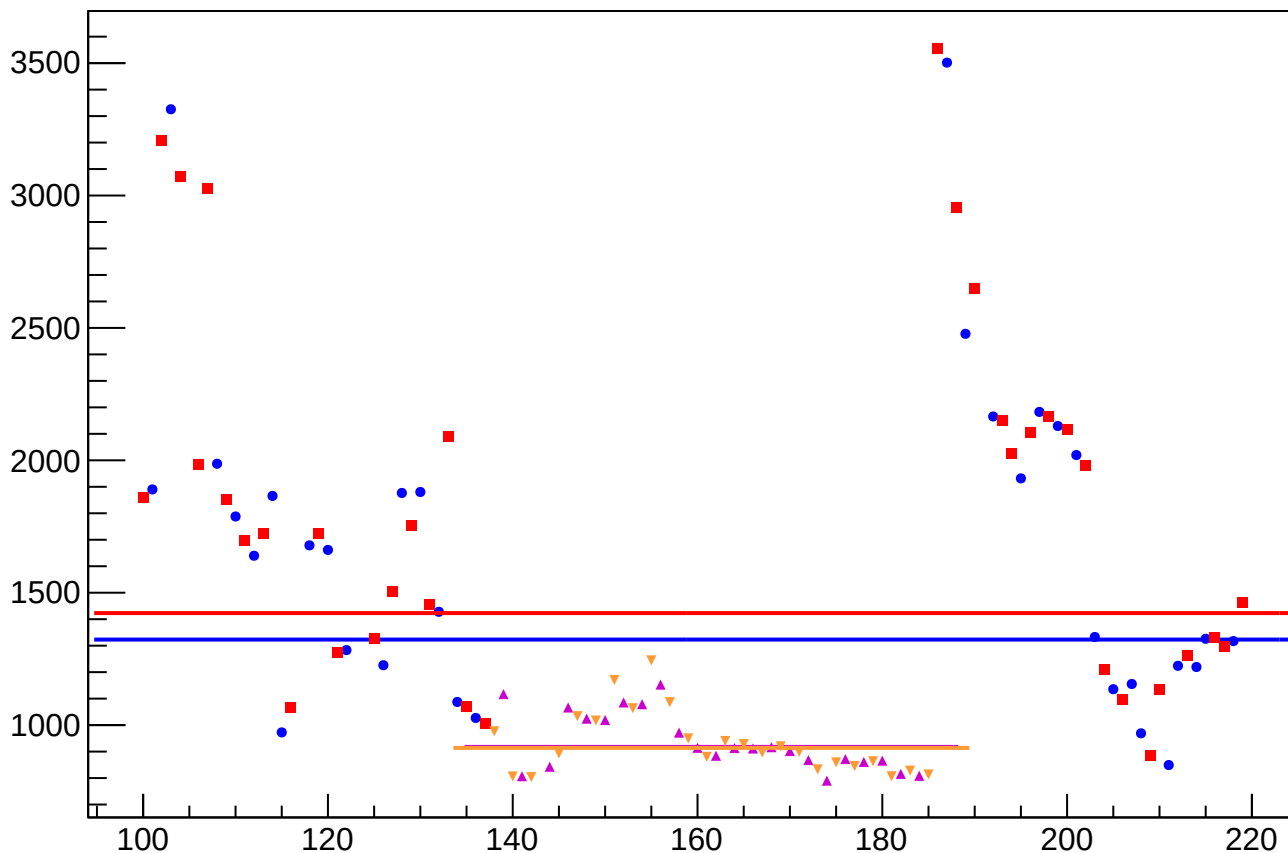
Left In: -81.518+/-215.913 χ^2/NDF : 30.0/22

+ sign -1269.090+/-176.117 χ^2/NDF : 115.8/55

All: -1091.068+/-126.032 χ^2/NDF : 297.8/113

- sign -904.208+/-180.435 χ^2/NDF : 180.0/57

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1323.005+/-0.219 χ^2/NDF : 3598697.9/31

Left Out: 913.898+/-0.151 χ^2/NDF : 462858.6/23

Right Out: 1423.082+/-0.232 χ^2/NDF : 4399517.5/34

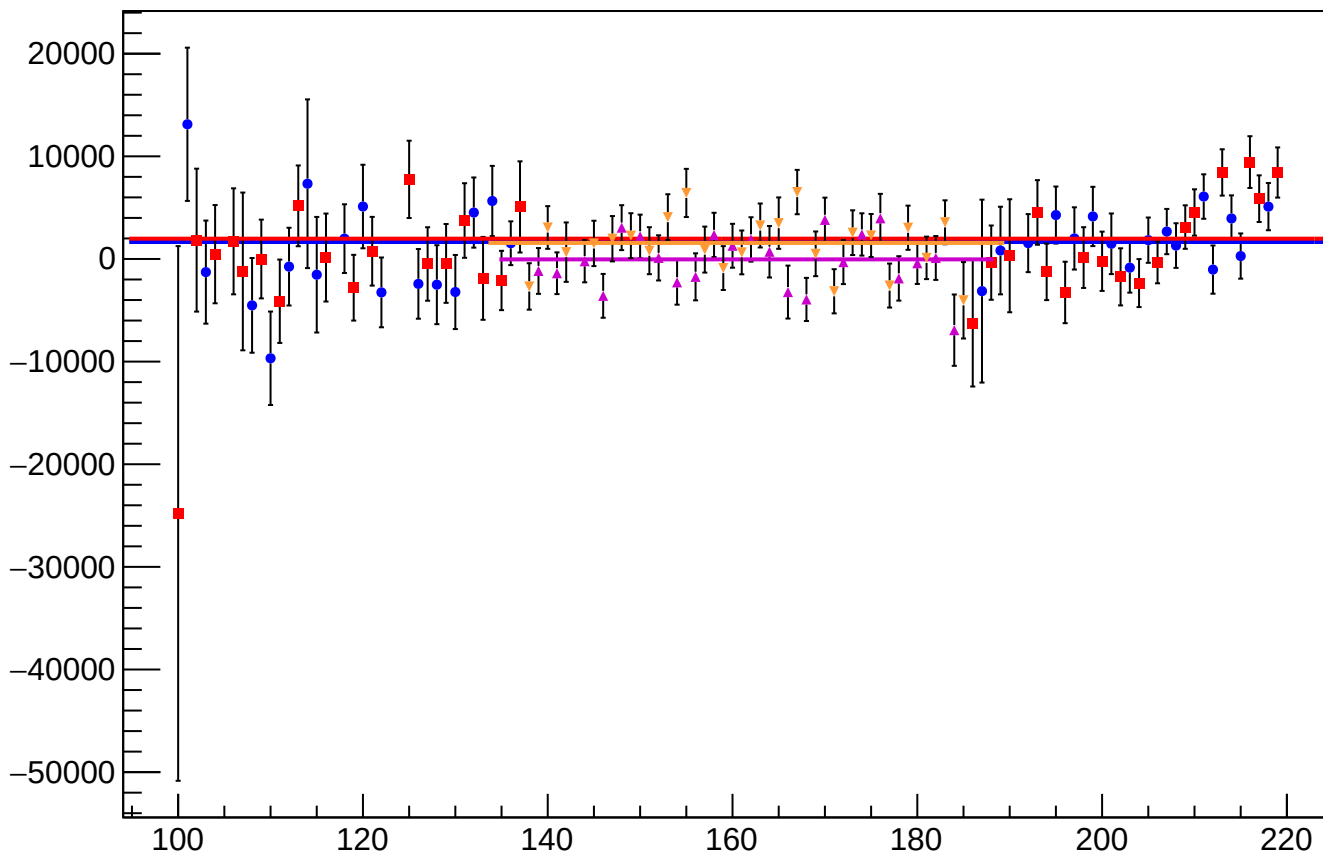
Left In: 917.674+/-0.153 χ^2/NDF : 430509.1/22

+ sign 1045.942+/-0.125 χ^2/NDF : 6420555.1/55

All: 1057.739+/-0.089 χ^2/NDF : 14574457.5/100

- sign 1070.121+/-0.128 χ^2/NDF : 8135510.4/57

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1653.684 $\pm$ 529.169 χ^2 /NDF: 33.7/31

Left Out: 1561.357 $\pm$ 456.883 χ^2 /NDF:31.2/23

Right Out: 1978.321 $\pm$ 536.293 χ^2 /NDF: 57.1/34

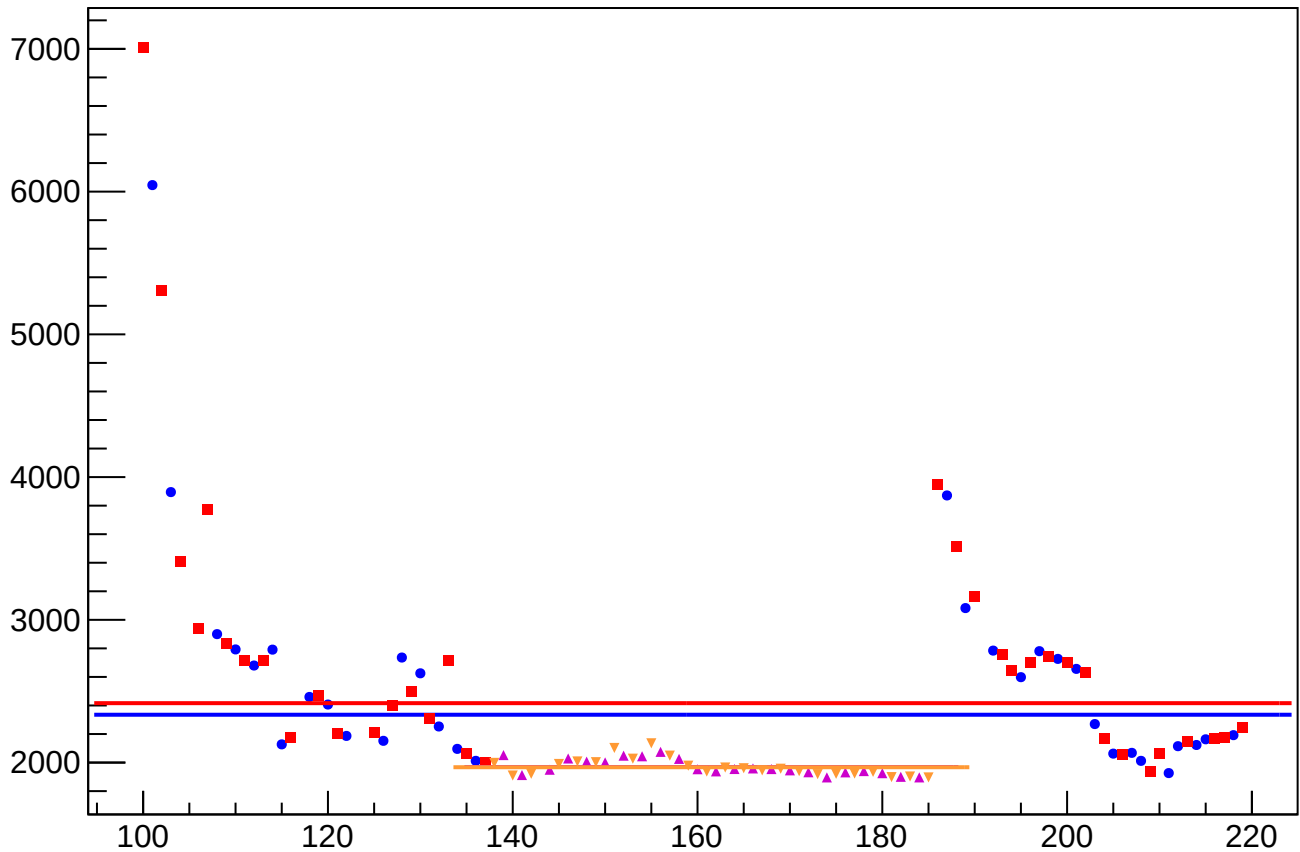
Left In: -39.885 $\pm$ 459.938 χ^2 /NDF:27.8/22

+ sign 1600.788 $\pm$ 345.820 χ^2 /NDF: 64.9/55

All: 1211.850 $\pm$ 245.693 χ^2 /NDF: 160.6/113

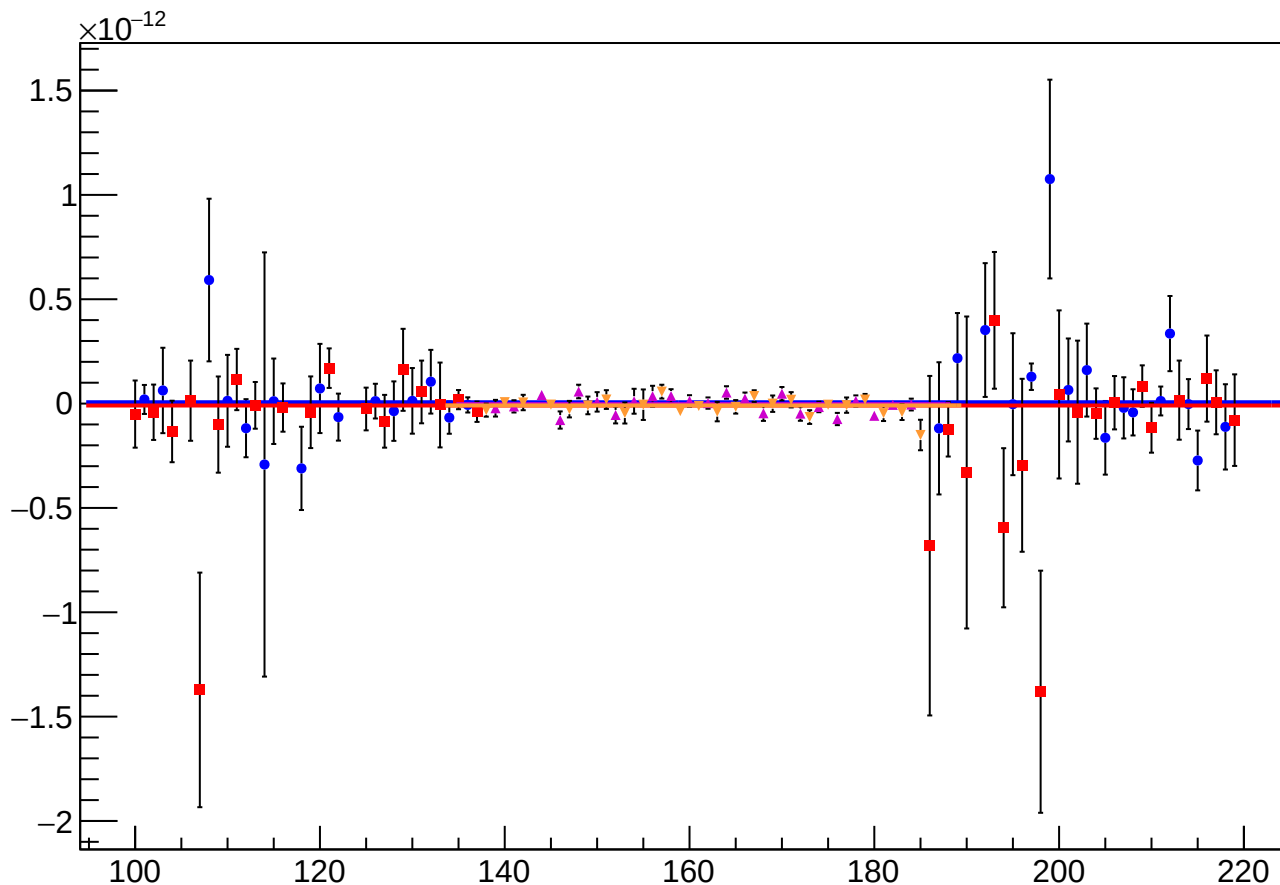
- sign 815.438 $\pm$ 349.128 χ^2 /NDF: 93.1/57

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2335.123+/-0.374	χ^2/NDF : 1391829.5/31	+ sign 2124.457+/-0.245	χ^2/NDF : 1979318.2/55
Left Out: 1967.416+/-0.323	χ^2/NDF : 34217.6/23	All: 2141.347+/-0.174	χ^2/NDF : 4289666.2/11
Right Out: 2416.256+/-0.379	χ^2/NDF : 1472757.7/34	- sign 2158.562+/-0.247	χ^2/NDF : 2300714.8/57
Left In: 1969.022+/-0.325	χ^2/NDF : 26523.0/22		

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 28.0/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 20.8/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 27.3/34

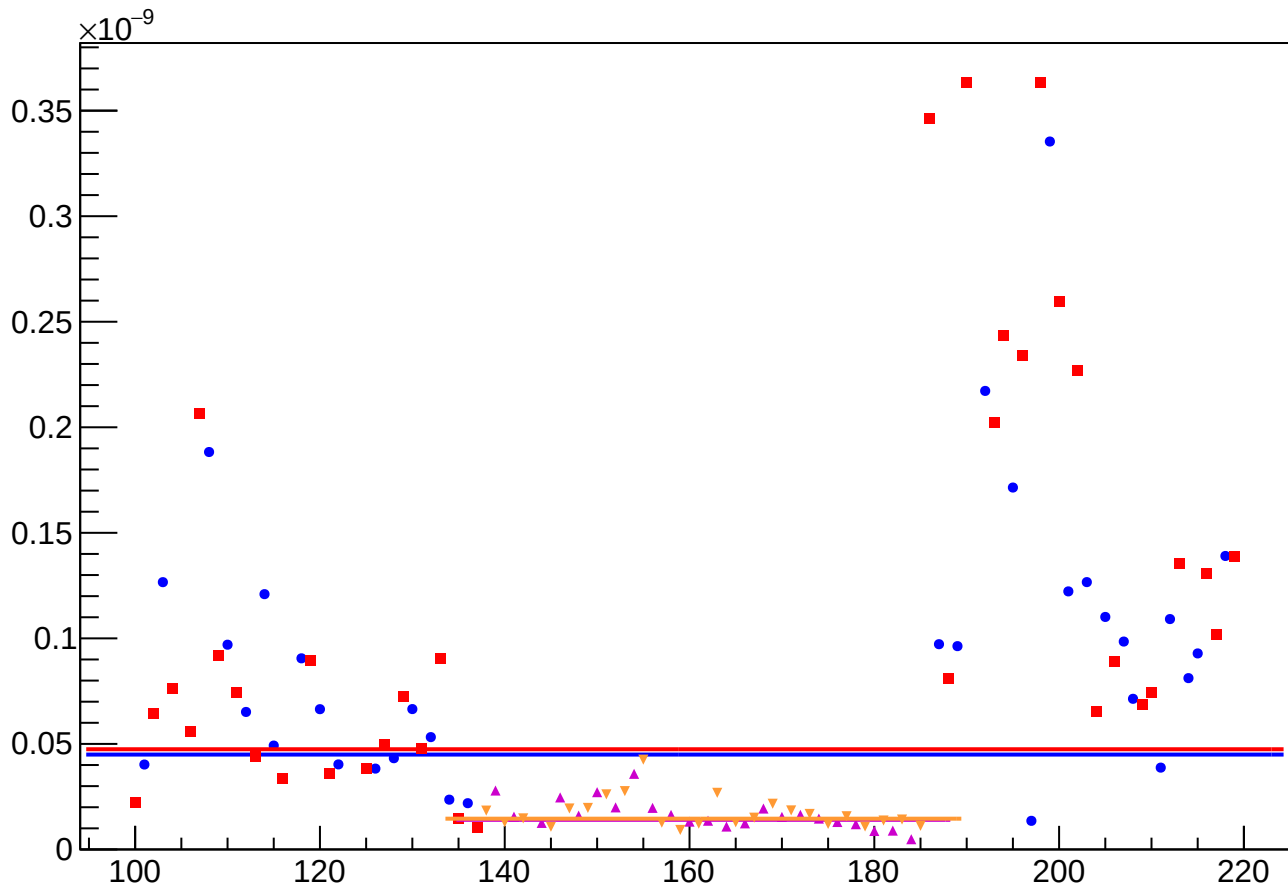
Left In: -0.000 ± 0.000 χ^2/NDF : 38.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 49.3/55

All: -0.000 ± 0.000 χ^2/NDF : 115.8/113

- sign -0.000 ± 0.000 χ^2/NDF : 66.3/57

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6379781.1/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8577625.8/34

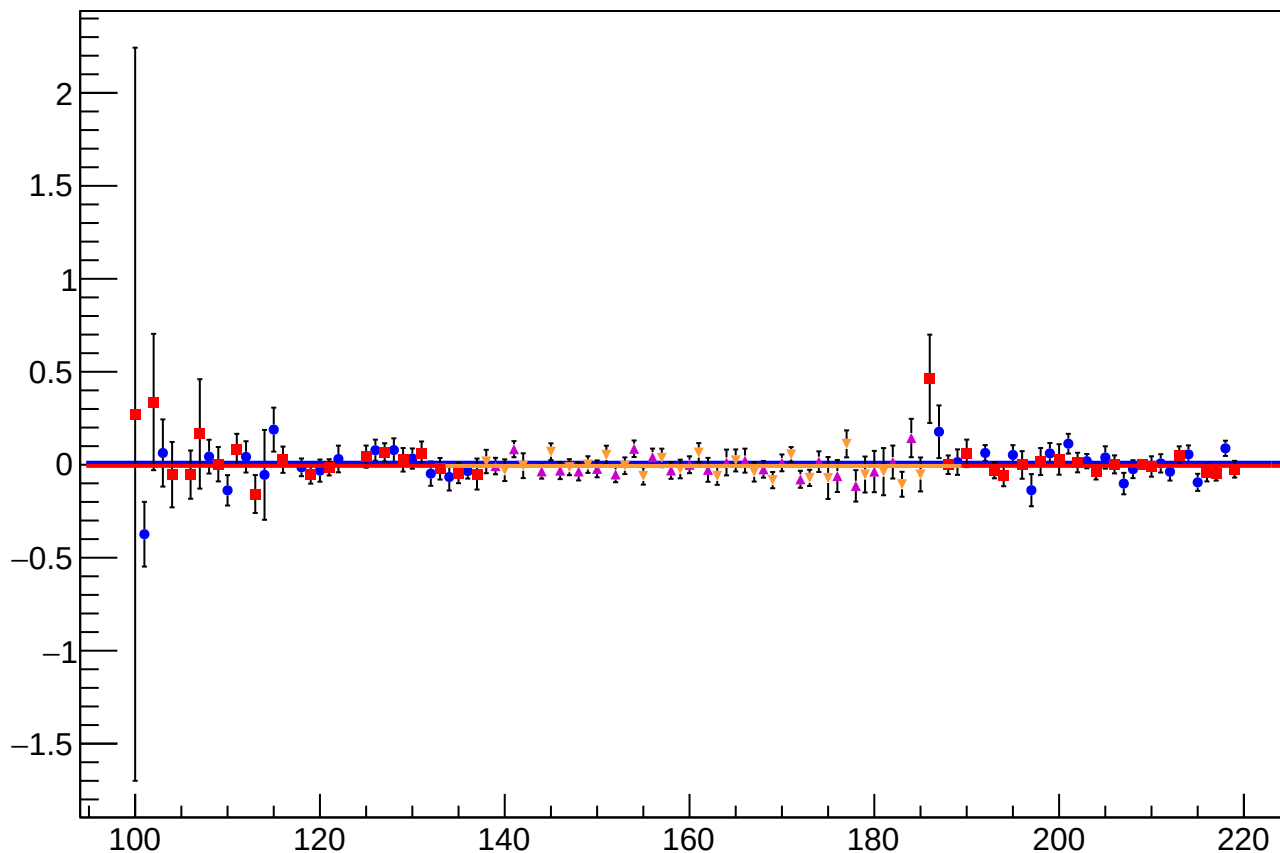
Left In: 0.000+/-0.000 χ^2/NDF : 1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 11801115.6/55

All: 0.000+/-0.000 χ^2/NDF : 26354495.7/113

- sign 0.000+/-0.000 χ^2/NDF : 14537664.2/57

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 ± 0.010 $\chi^2/\text{NDF}: 44.0/31$

Left Out: -0.007 ± 0.011 $\chi^2/\text{NDF}: 23.9/23$

Right Out: -0.006 ± 0.010 $\chi^2/\text{NDF}: 21.5/34$

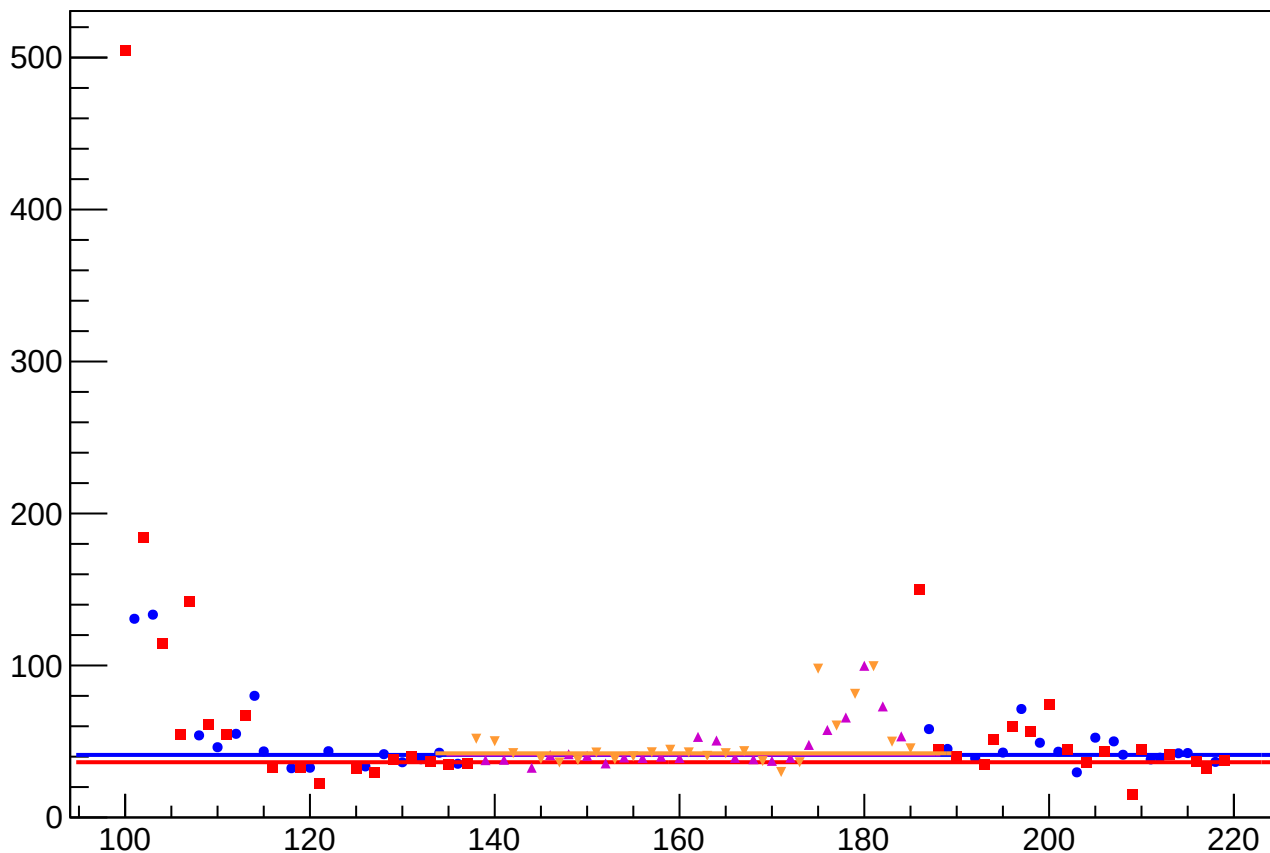
Left In: -0.006 ± 0.011 $\chi^2/\text{NDF}: 20.1/22$

+ sign 0.003 ± 0.007 $\chi^2/\text{NDF}: 69.3/55$

All: -0.002 ± 0.005 $\chi^2/\text{NDF}: 111.6/113$

- sign -0.006 ± 0.007 $\chi^2/\text{NDF}: 41.6/57$

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.151+/-0.007 χ^2/NDF : 2080040.3/31

Left Out: 42.208+/-0.008 χ^2/NDF : 1819371.1/23

Right Out: 36.343+/-0.007 χ^2/NDF : 4925116.5/34

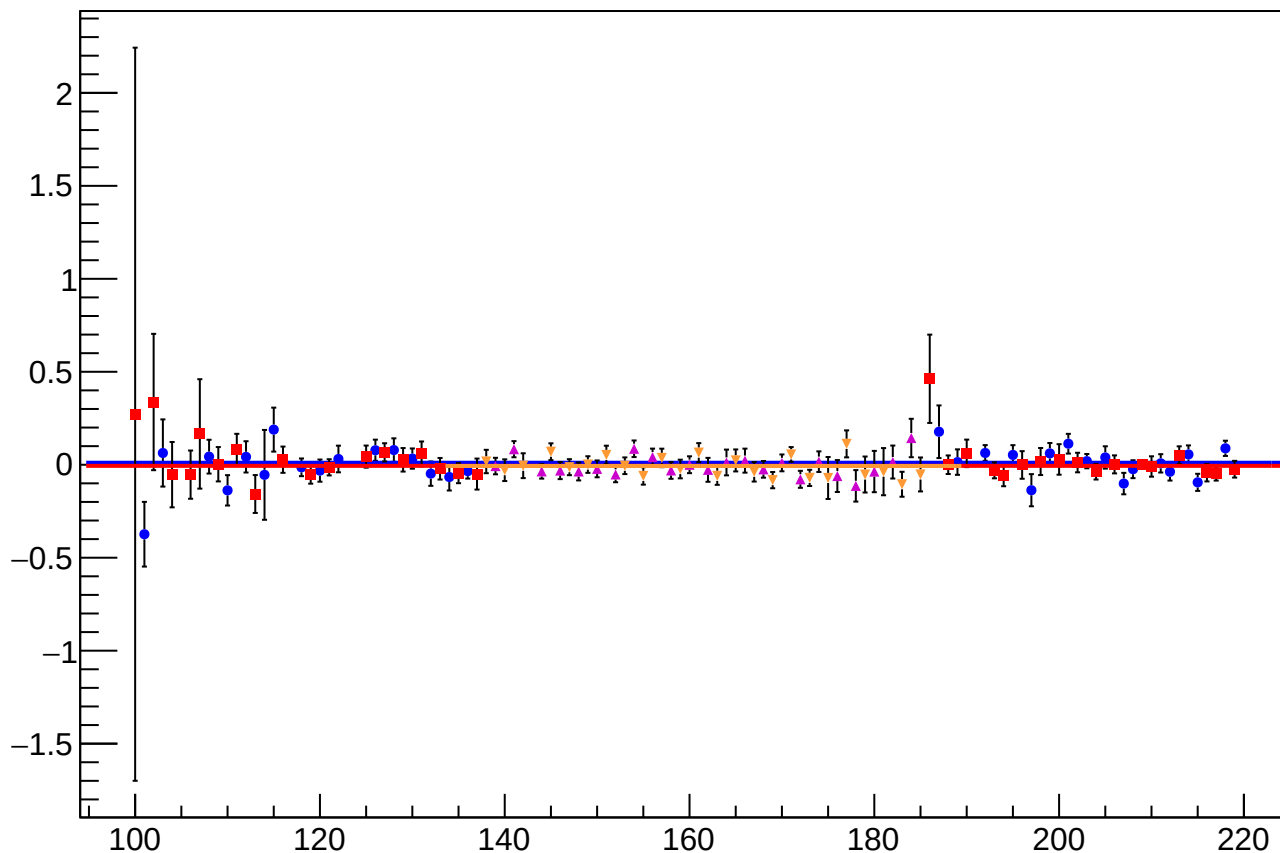
Left In: 41.421+/-0.008 χ^2/NDF : 1412177.5/22

+ sign 41.648+/-0.005 χ^2/NDF : 3909351.9/55

All: 40.043+/-0.004 χ^2/NDF : 10671634.8/113

- sign 38.584+/-0.005 χ^2/NDF : 6586871.8/57

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.010 χ^2 /NDF: 44.0/31

Left Out: -0.007 $\pm$ 0.011 χ^2 /NDF: 23.9/23

Right Out: -0.006 $\pm$ 0.010 χ^2 /NDF: 21.5/34

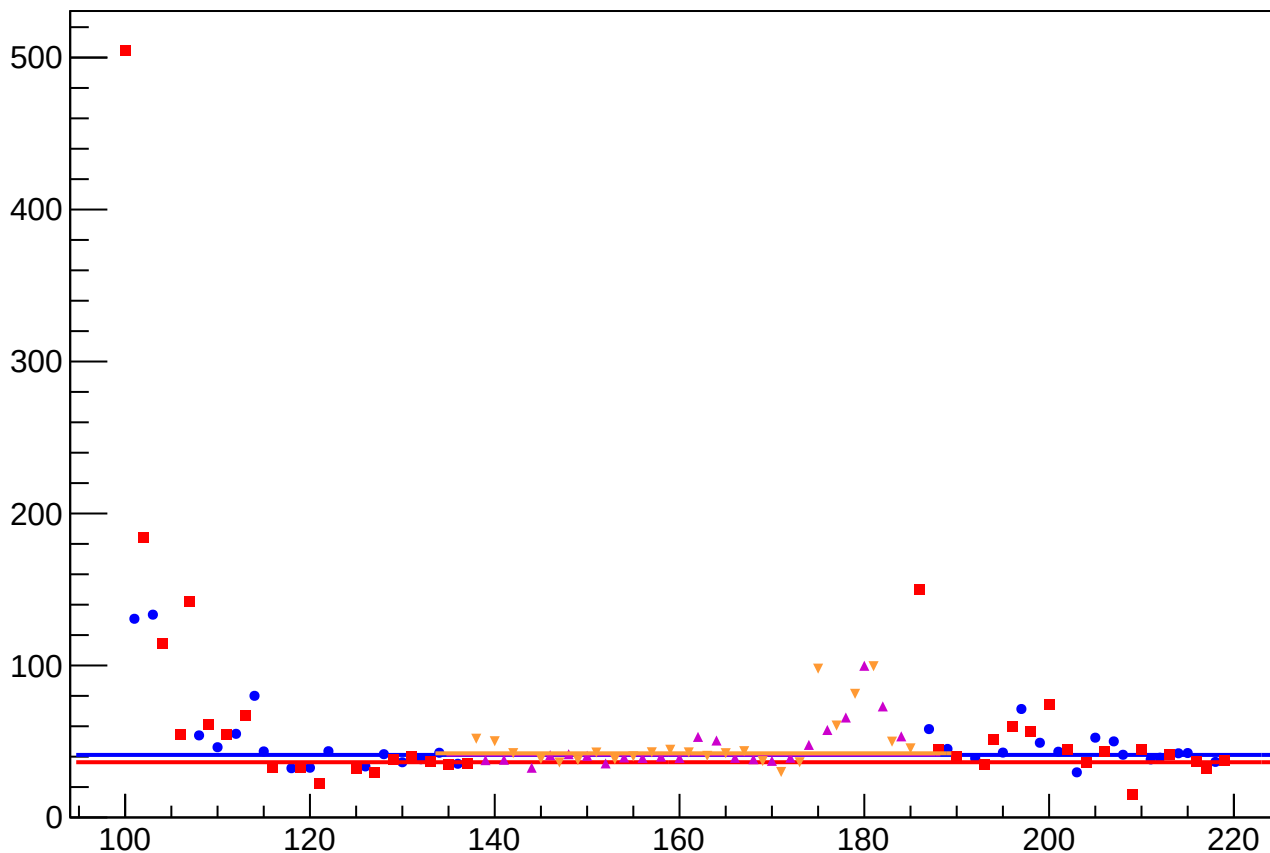
Left In: -0.006 $\pm$ 0.011 χ^2 /NDF: 20.1/22

+ sign 0.003 $\pm$ 0.007 χ^2 /NDF: 69.3/55

All: -0.002 $\pm$ 0.005 χ^2 /NDF: 111.6/113

- sign -0.006 $\pm$ 0.007 χ^2 /NDF: 41.6/57

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.151 $\pm$ 0.007 χ^2 /NDF: 2080040.3/31

Left Out: 42.208 $\pm$ 0.008 χ^2 /NDF: 1819371.1/23

Right Out: 36.343 $\pm$ 0.007 χ^2 /NDF: 4925116.5/34

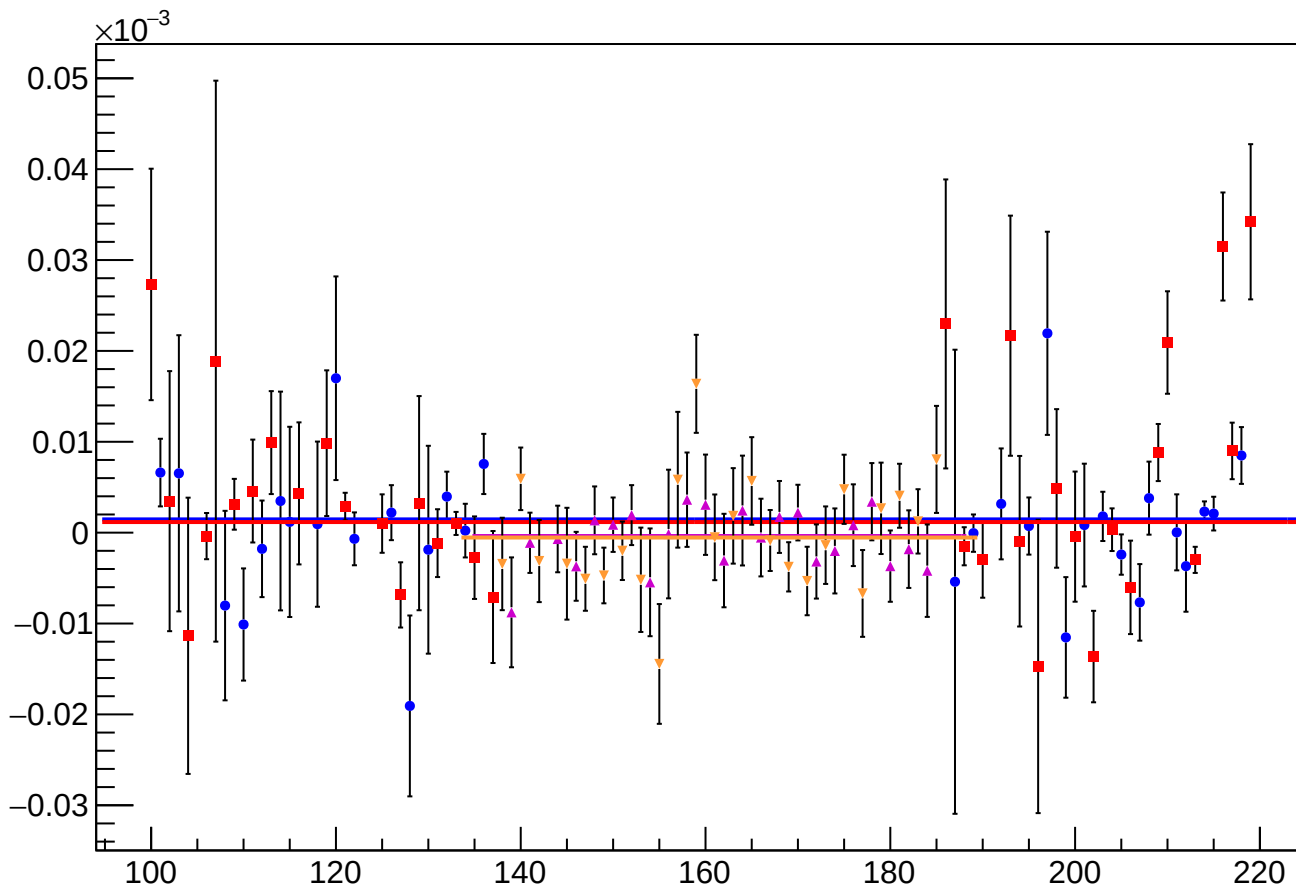
Left In: 41.421 $\pm$ 0.008 χ^2 /NDF: 1412177.5/22

+ sign 41.648 $\pm$ 0.005 χ^2 /NDF: 3909351.9/55

All: 40.043 $\pm$ 0.004 χ^2 /NDF: 10671634.8/113

- sign 38.584 $\pm$ 0.005 χ^2 /NDF: 6586871.8/57

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.0/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:36.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 111.7/34

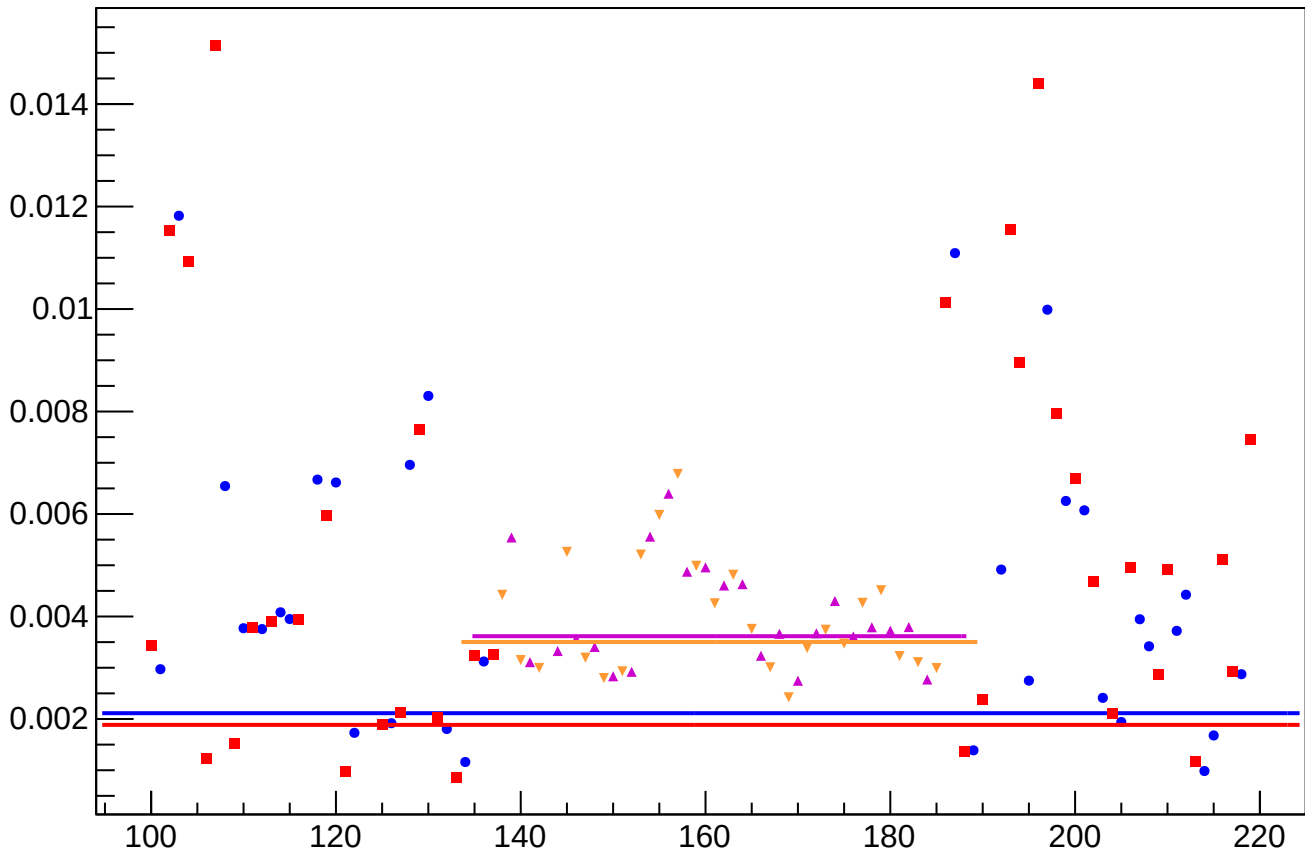
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:9.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 81.6/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 205.2/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 123.6/57

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 11125210.4/31

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:2190693.7/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 16365187.3/34

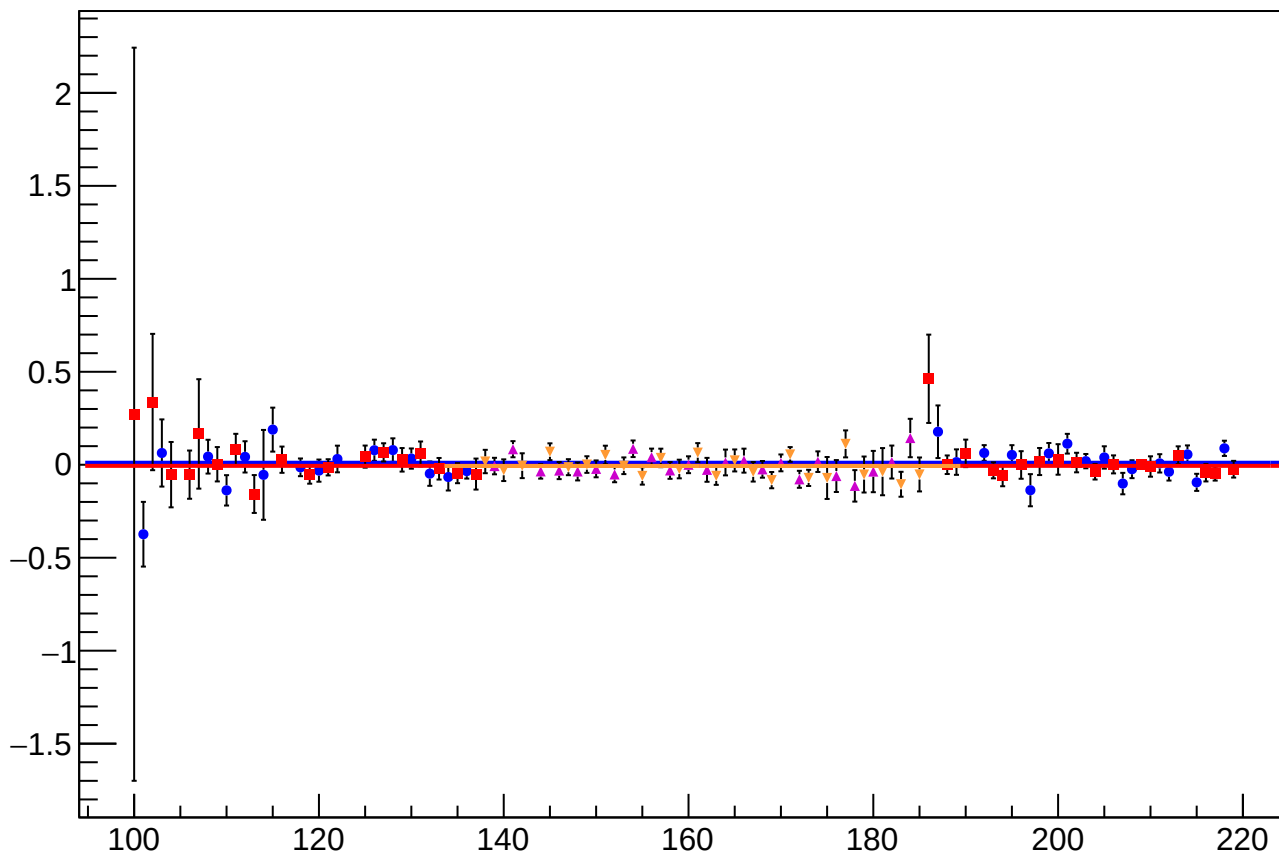
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1668896.2/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 16980444.2/55

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 40686247.9/113

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 23582859.6/57

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.010 χ^2 /NDF: 44.0/31

Left Out: -0.007 $\pm$ 0.011 χ^2 /NDF: 23.9/23

Right Out: -0.006 $\pm$ 0.010 χ^2 /NDF: 21.5/34

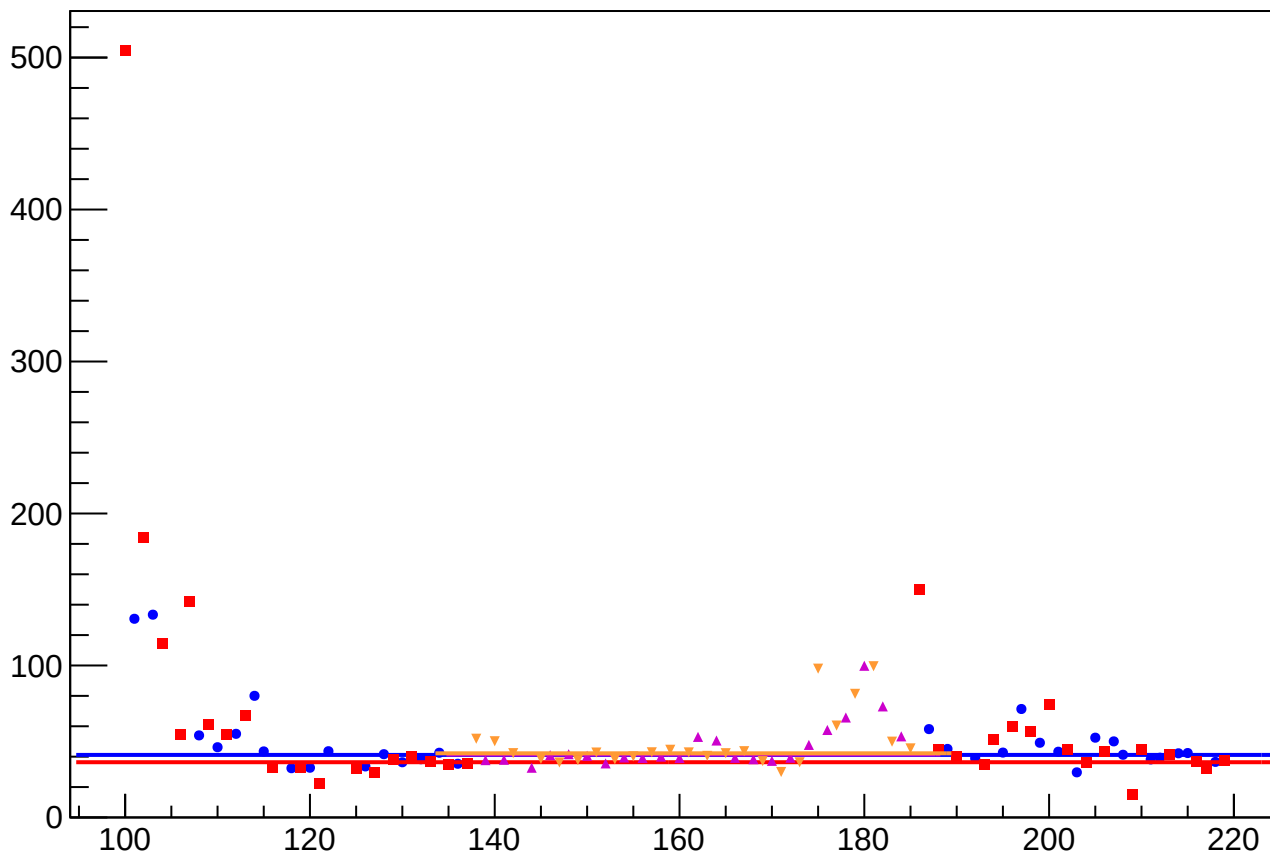
Left In: -0.006 $\pm$ 0.011 χ^2 /NDF: 20.1/22

+ sign 0.003 $\pm$ 0.007 χ^2 /NDF: 69.3/55

All: -0.002 $\pm$ 0.005 χ^2 /NDF: 111.6/113

- sign -0.006 $\pm$ 0.007 χ^2 /NDF: 41.6/57

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.151+/-0.007 χ^2/NDF : 2079952.3/31

Left Out: 42.208+/-0.008 χ^2/NDF : 1819378.3/23

Right Out: 36.346+/-0.007 χ^2/NDF : 4922613.0/34

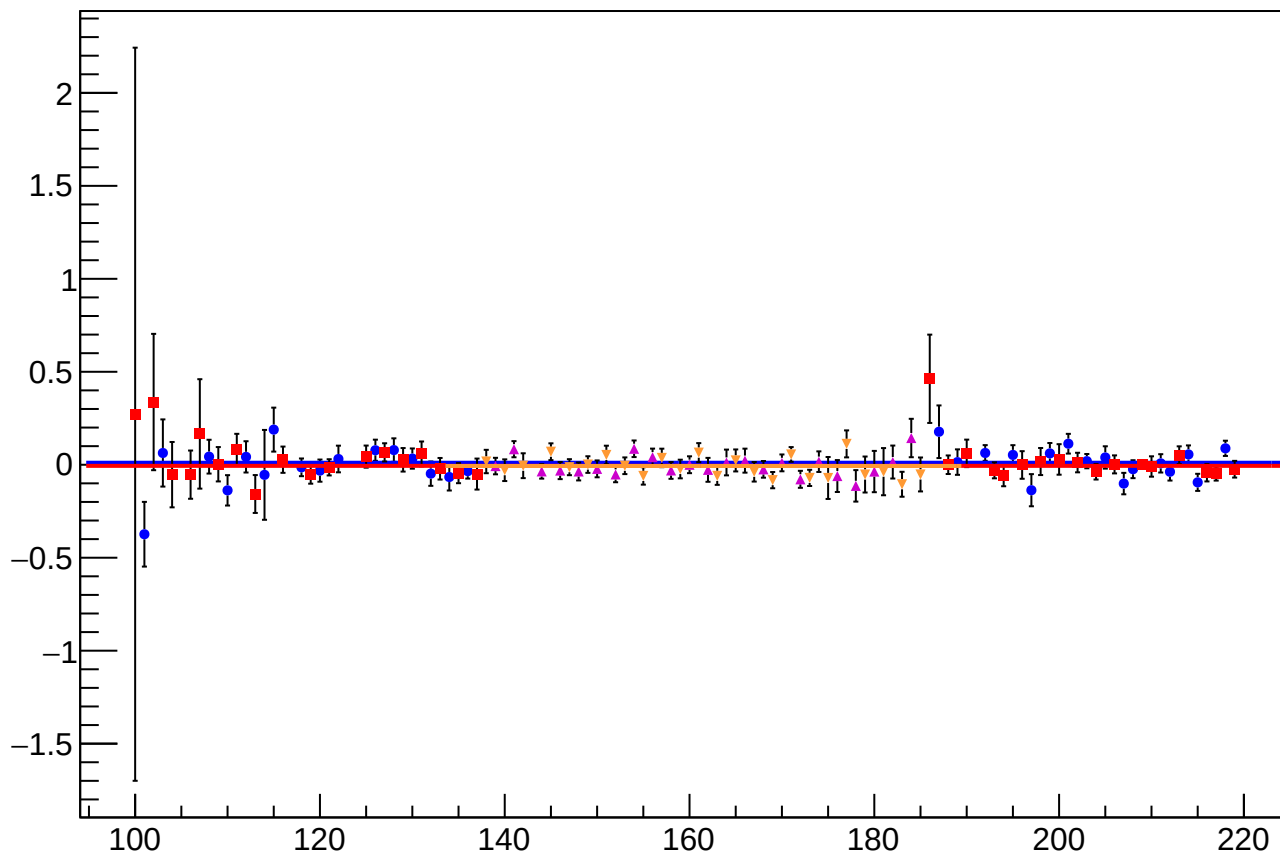
Left In: 41.421+/-0.008 χ^2/NDF : 1412111.4/22

+ sign 41.647+/-0.005 χ^2/NDF : 3909261.0/55

All: 40.044+/-0.004 χ^2/NDF : 10668438.9/113

- sign 38.586+/-0.005 χ^2/NDF : 6583975.5/57

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 ± 0.010 χ^2/NDF : 44.0/31

Left Out: -0.007 ± 0.011 χ^2/NDF : 23.9/23

Right Out: -0.006 ± 0.010 χ^2/NDF : 21.5/34

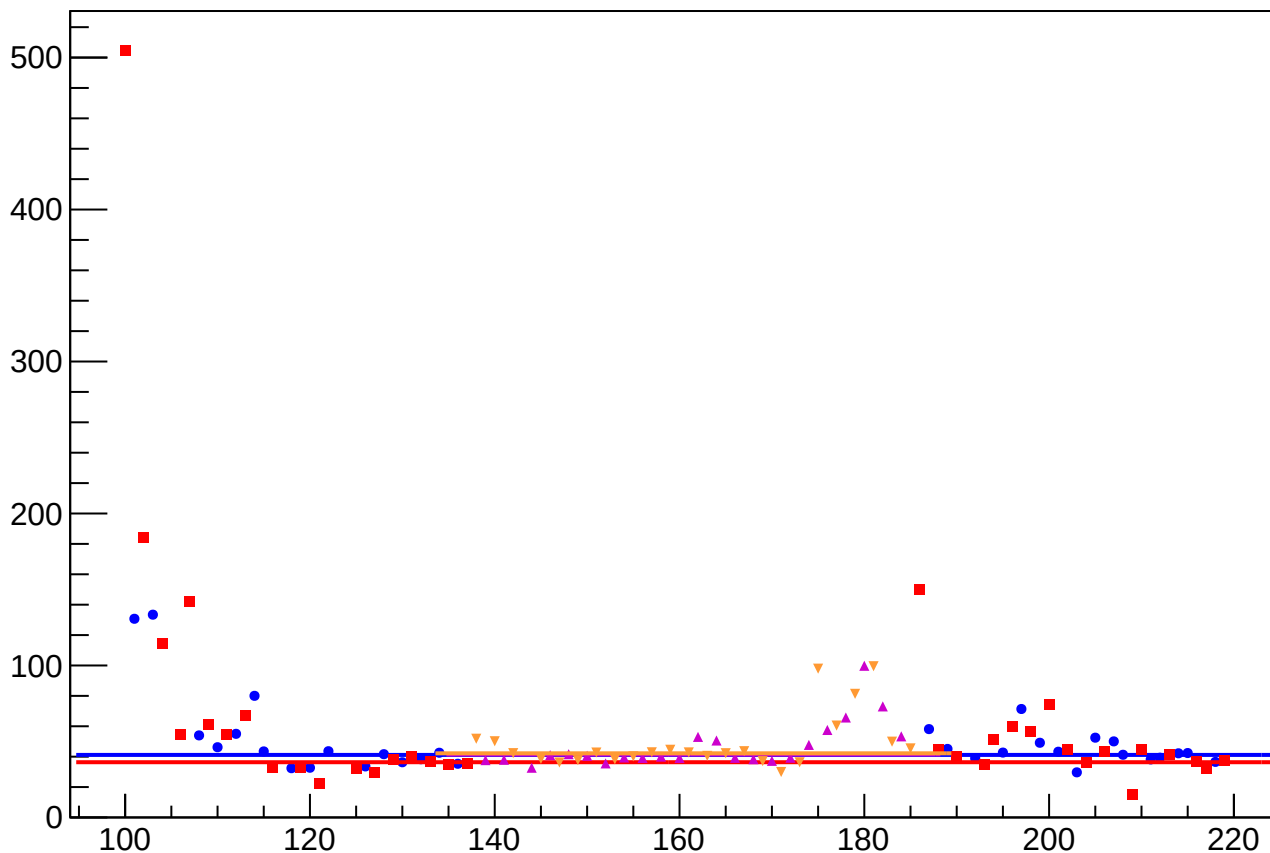
Left In: -0.006 ± 0.011 χ^2/NDF : 20.1/22

+ sign 0.003 ± 0.007 χ^2/NDF : 69.3/55

All: -0.002 ± 0.005 χ^2/NDF : 111.6/113

- sign -0.006 ± 0.007 χ^2/NDF : 41.6/57

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.151+/-0.007 χ^2/NDF : 2079952.3/31

Left Out: 42.208+/-0.008 χ^2/NDF : 1819378.3/23

Right Out: 36.346+/-0.007 χ^2/NDF : 4922613.0/34

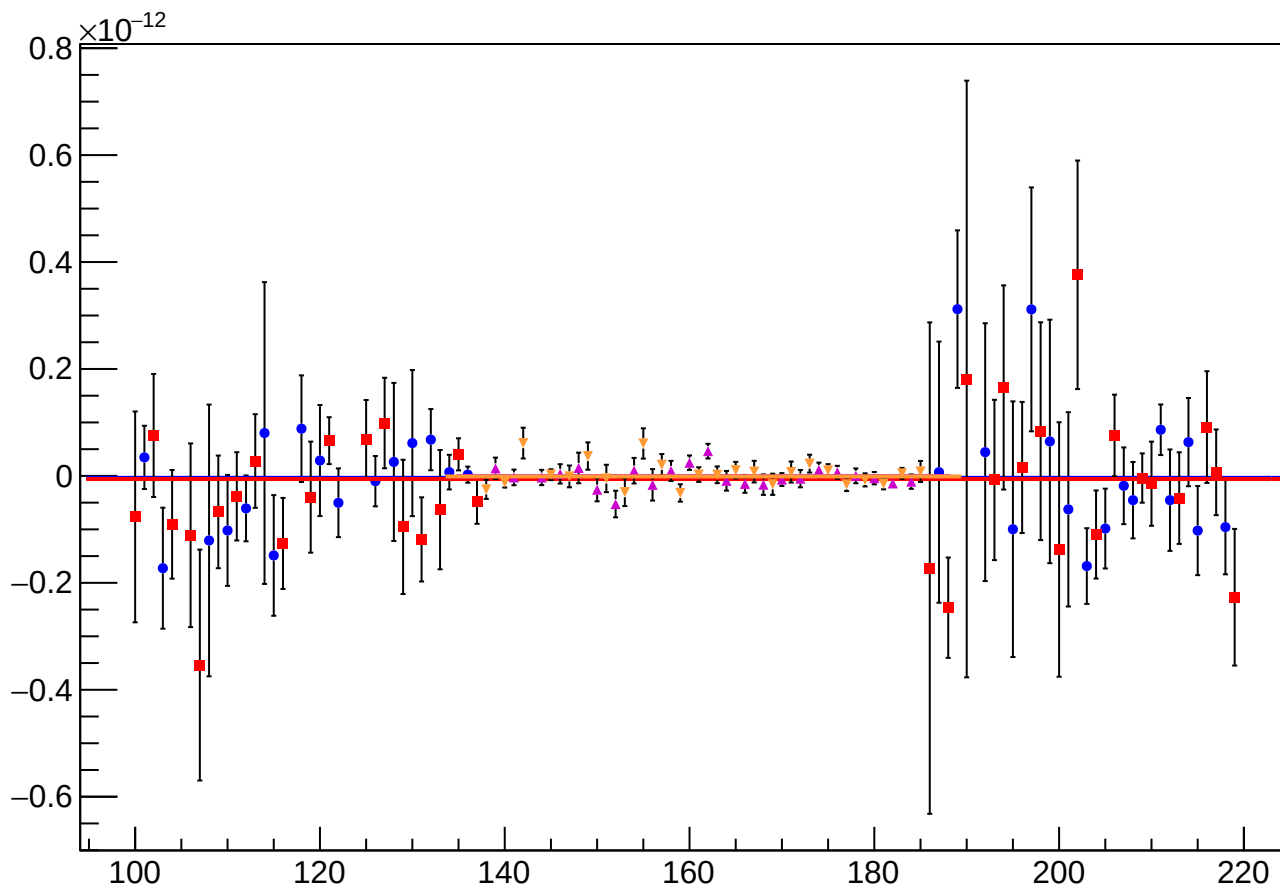
Left In: 41.421+/-0.008 χ^2/NDF : 1412111.4/22

+ sign 41.647+/-0.005 χ^2/NDF : 3909261.0/55

All: 40.044+/-0.004 χ^2/NDF : 10668438.9/113

- sign 38.586+/-0.005 χ^2/NDF : 6583975.5/57

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 31.2/31

Left Out: -0.000+/-0.000 χ^2 /NDF: 29.5/23

Right Out: -0.000+/-0.000 χ^2 /NDF: 36.6/34

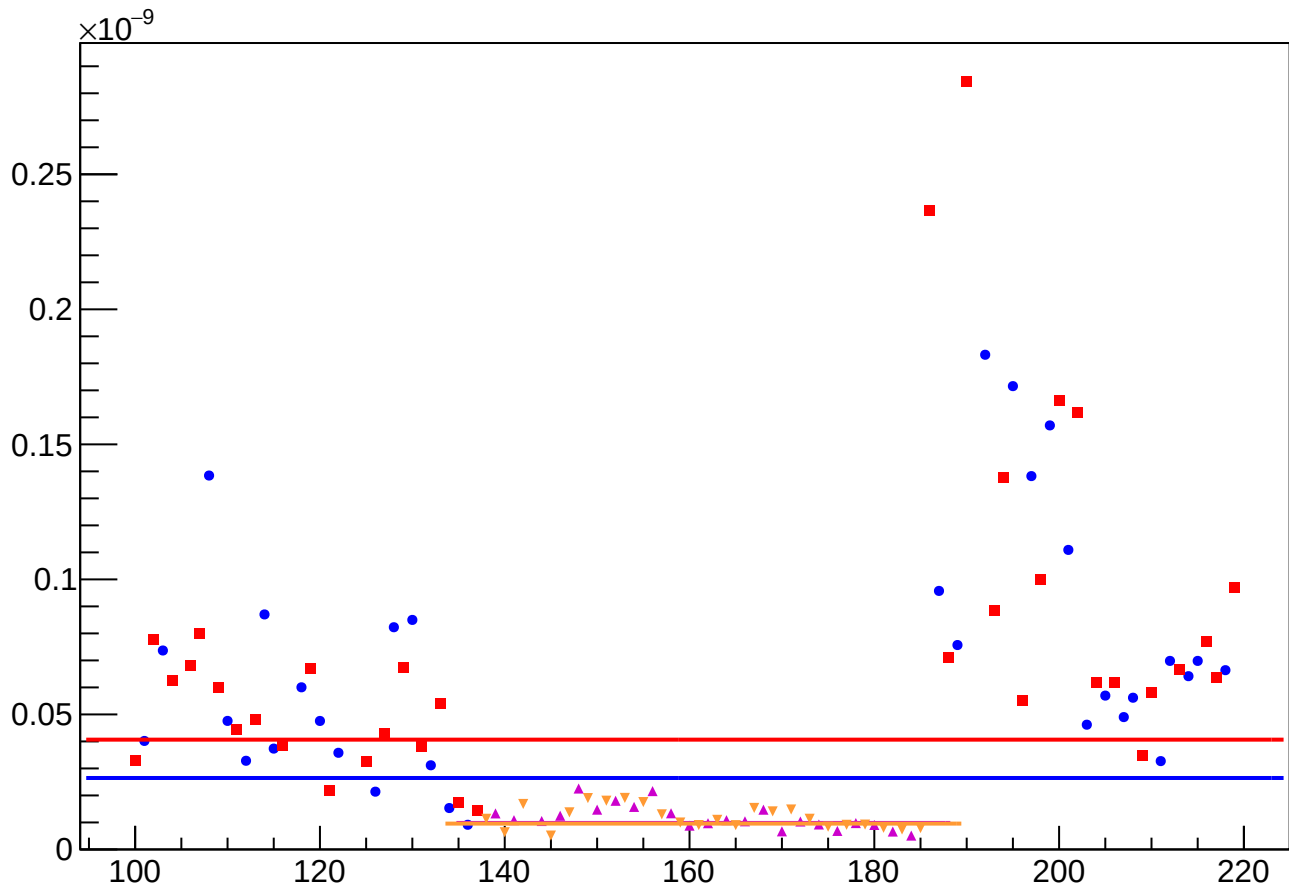
Left In: -0.000+/-0.000 χ^2 /NDF: 28.3/22

+ sign -0.000+/-0.000 χ^2 /NDF: 60.8/55

All: -0.000+/-0.000 χ^2 /NDF: 125.9/113

- sign -0.000+/-0.000 χ^2 /NDF: 65.1/57

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11375990.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 7637434.5/34

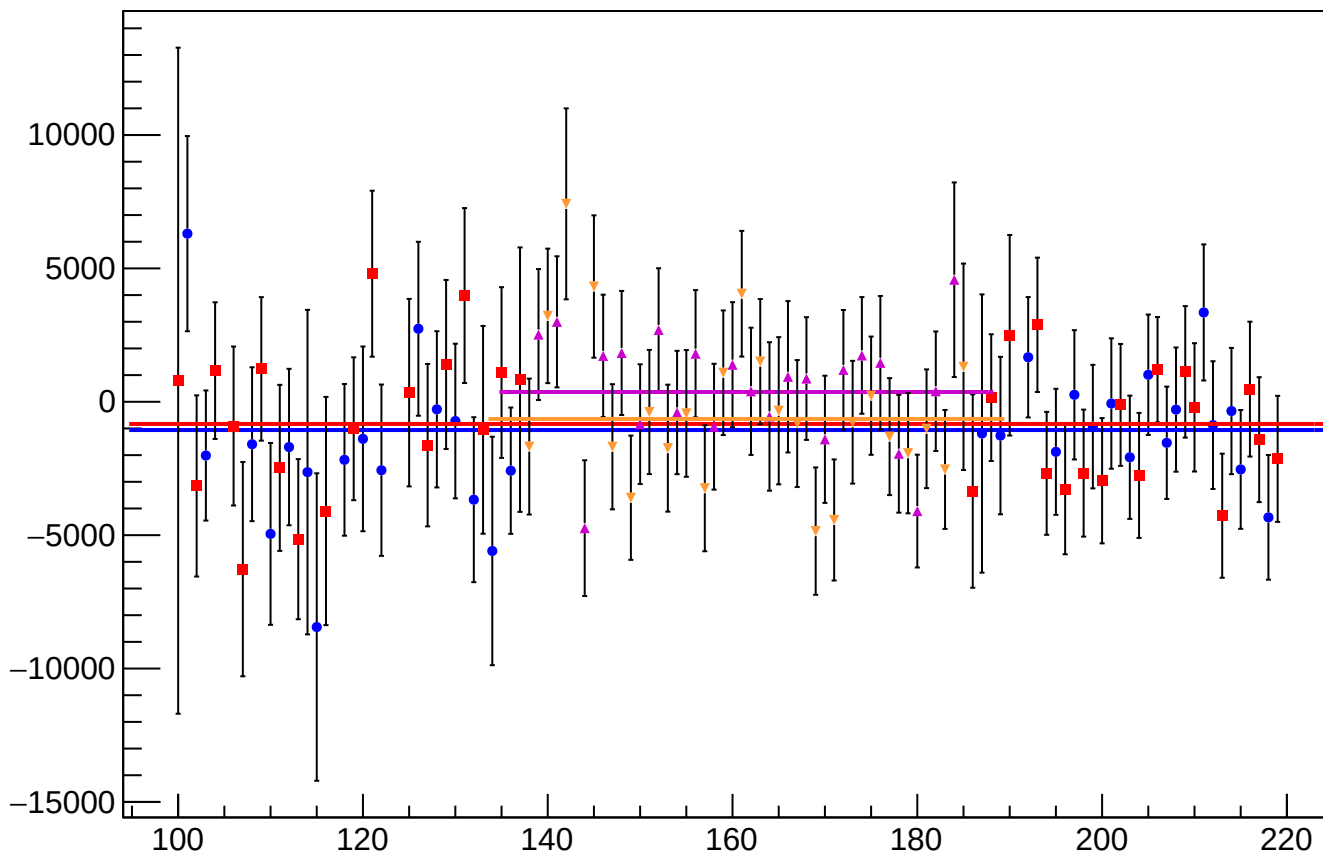
Left In: 0.000+/-0.000 χ^2/NDF : 2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 18745223.7/55

All: 0.000+/-0.000 χ^2/NDF : 38410931.1/113

- sign 0.000+/-0.000 χ^2/NDF : 19641537.9/57

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1058.957 ± 480.562 χ^2/NDF : 20.1/31

Left Out: -643.811 ± 493.681 χ^2/NDF : 27.1/23

Right Out: -831.091 ± 470.288 χ^2/NDF : 25.1/34

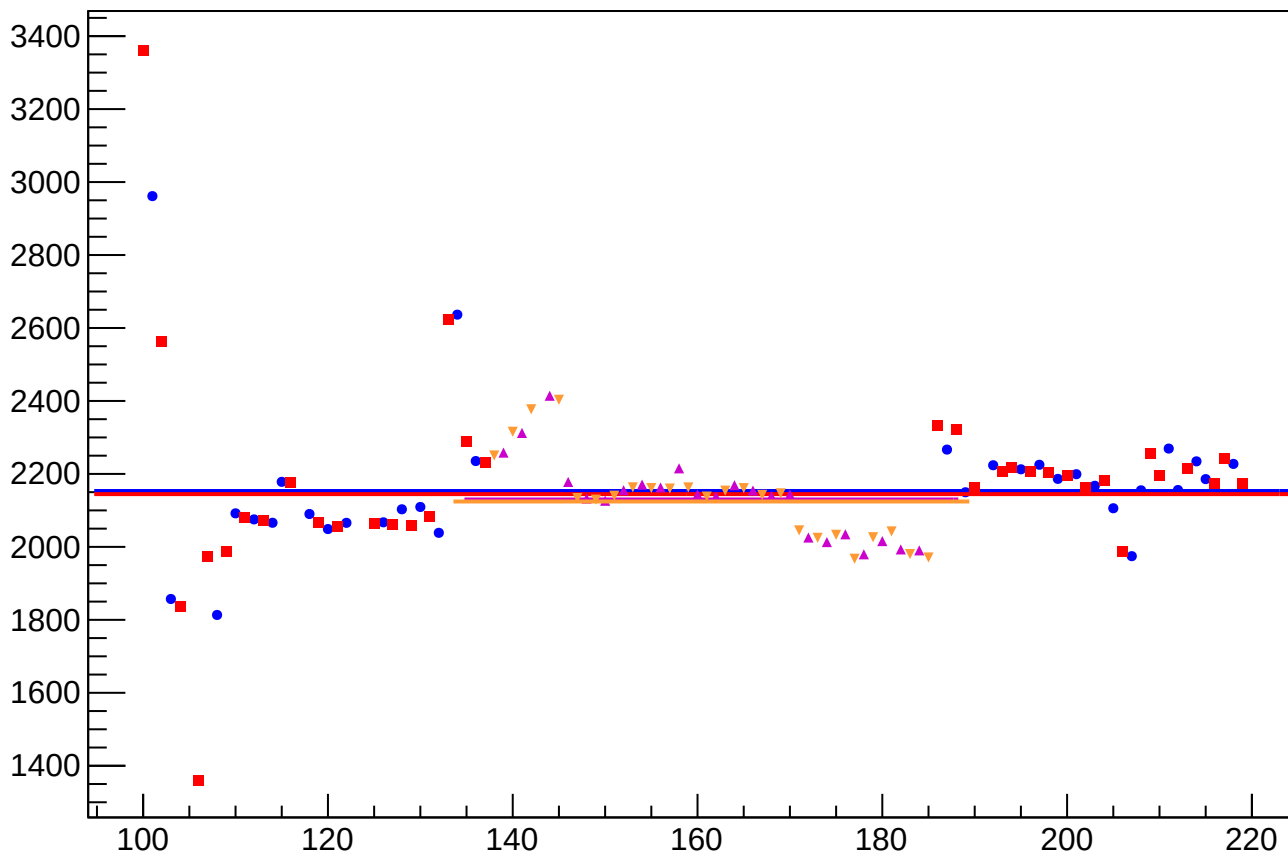
Left In: 366.759 ± 497.896 χ^2/NDF : 17.3/22

+ sign -856.974 ± 344.353 χ^2/NDF : 47.6/55

All: -559.512 ± 242.618 χ^2/NDF : 94.5/113

- sign -266.296 ± 341.887 χ^2/NDF : 45.4/57

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.111 $\pm$ 0.340 χ^2 /NDF: 225991.0/31

Left Out: 2124.437 $\pm$ 0.349 χ^2 /NDF: 89184.0/23

Right Out: 2144.648 $\pm$ 0.333 χ^2 /NDF: 319653.9/34

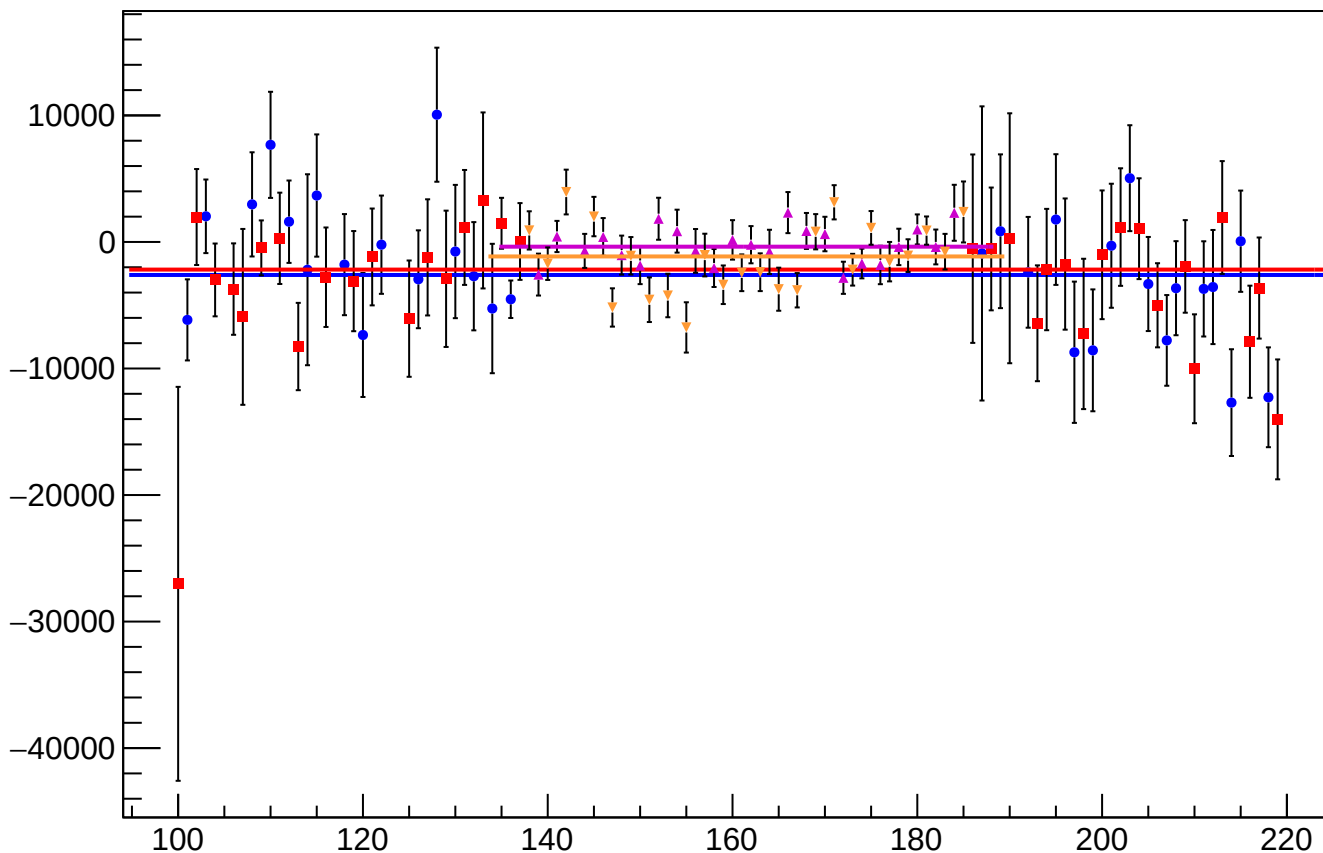
Left In: 2129.897 $\pm$ 0.352 χ^2 /NDF: 85354.5/22

+ sign 2139.160 $\pm$ 0.243 χ^2 /NDF: 318639.4/55

All: 2138.421 $\pm$ 0.172 χ^2 /NDF: 724593.7/113

- sign 2137.693 $\pm$ 0.242 χ^2 /NDF: 405936.1/57

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug



Right In: -2608.419 ± 679.163 $\chi^2/\text{NDF}: 46.0/31$

Left Out: -1144.817 ± 302.488 $\chi^2/\text{NDF}: 67.5/23$

Right Out: -2183.425 ± 671.296 $\chi^2/\text{NDF}: 30.4/34$

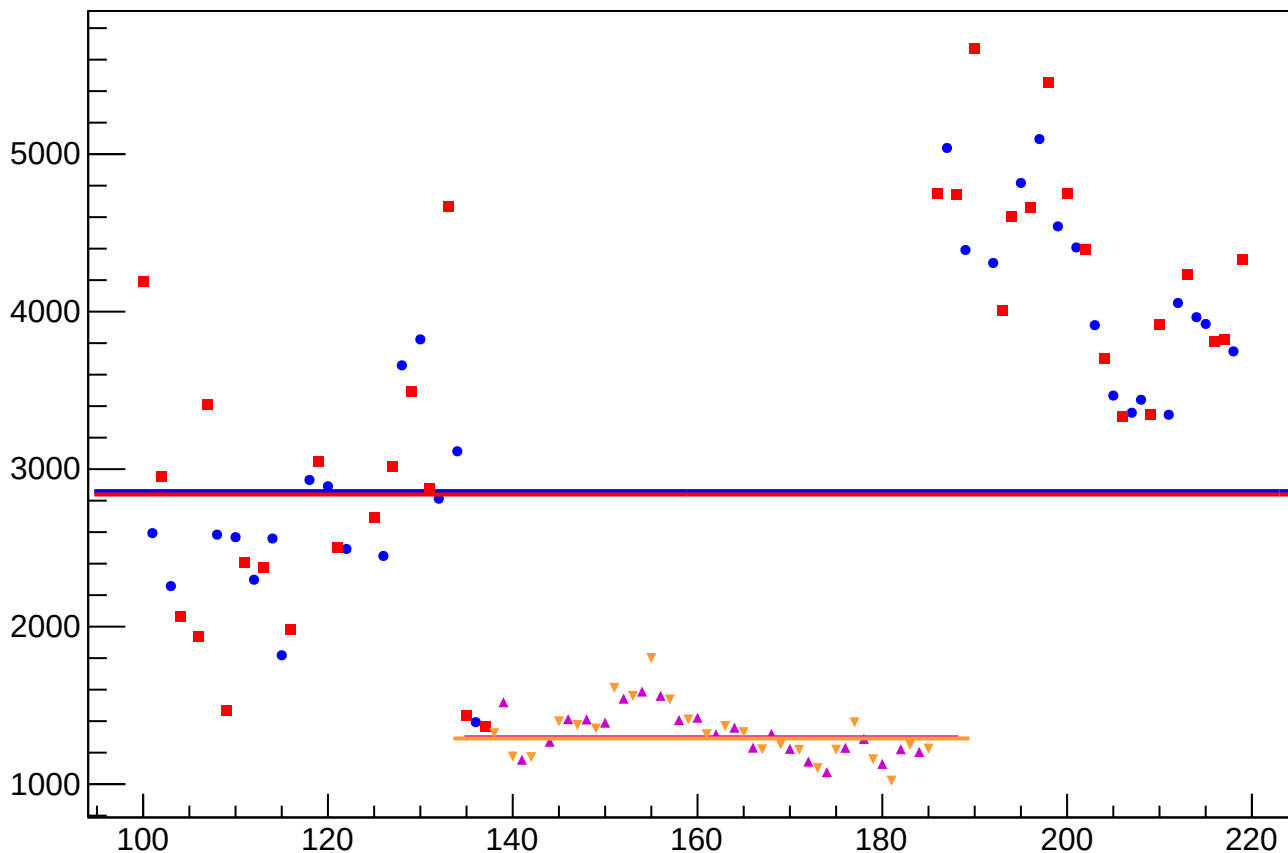
Left In: -373.302 ± 305.378 $\chi^2/\text{NDF}: 20.3/22$

+ sign -1387.088 ± 276.321 $\chi^2/\text{NDF}: 117.4/55$

All: -1037.466 ± 195.968 $\chi^2/\text{NDF}: 177.3/113$

- sign -683.664 ± 277.968 $\chi^2/\text{NDF}: 56.7/57$

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2860.510 ± 0.480 $\chi^2/\text{NDF}: 4683586.0/31$

Left Out: 1290.029 ± 0.214 $\chi^2/\text{NDF}: 567950.9/23$

Right Out: 2839.054 ± 0.475 $\chi^2/\text{NDF}: 5952313.2/34$

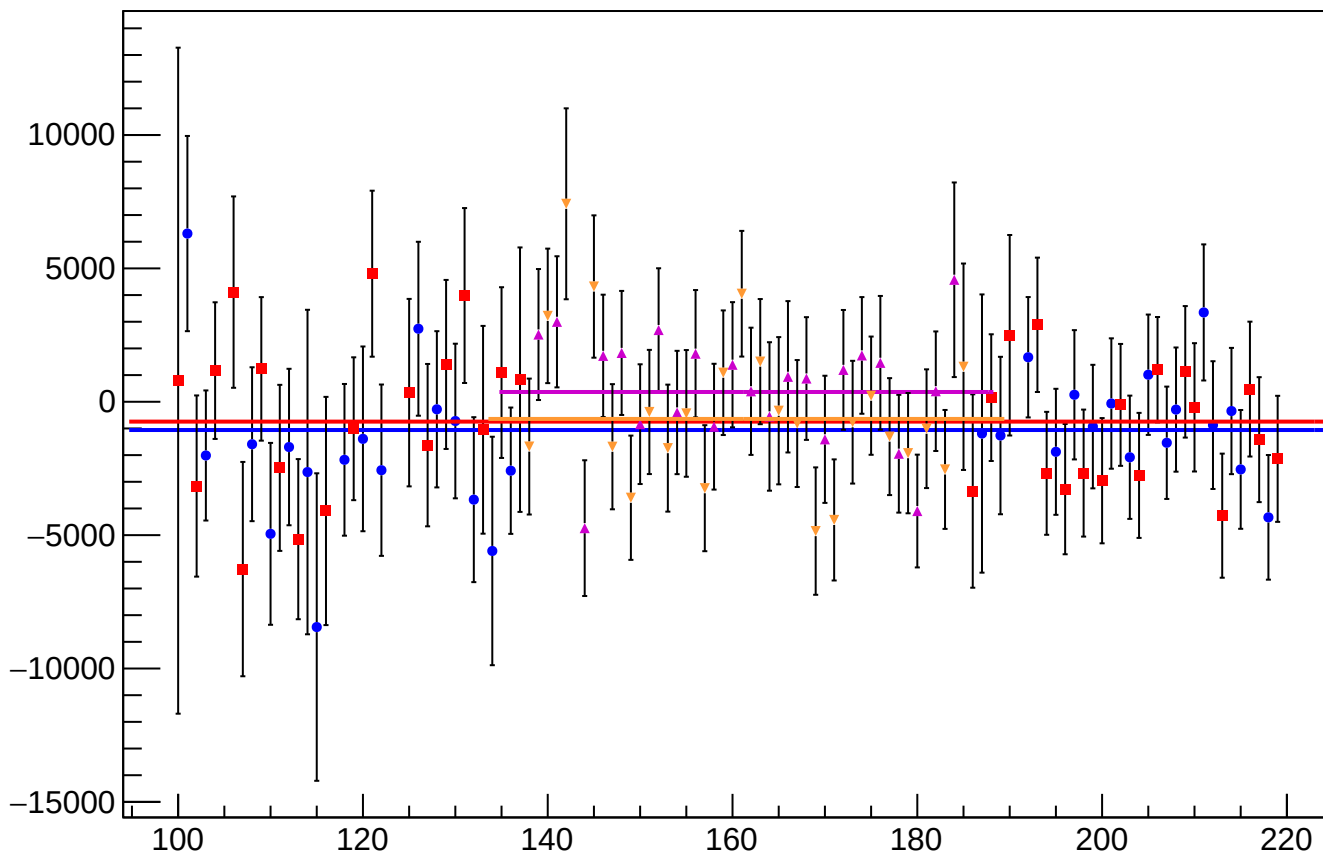
Left In: 1297.454 ± 0.216 $\chi^2/\text{NDF}: 433995.4/22$

+ sign 1549.992 ± 0.195 $\chi^2/\text{NDF}: 14175493.5/55$

All: 1555.849 ± 0.139 $\chi^2/\text{NDF}: 29302541.6/100$

- sign 1561.776 ± 0.197 $\chi^2/\text{NDF}: 15125240.3/57$

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1059.000 ± 480.562 χ^2/NDF : 20.1/31

Left Out: -643.673 ± 493.681 χ^2/NDF : 27.1/23

Right Out: -743.633 ± 472.114 χ^2/NDF : 26.9/34

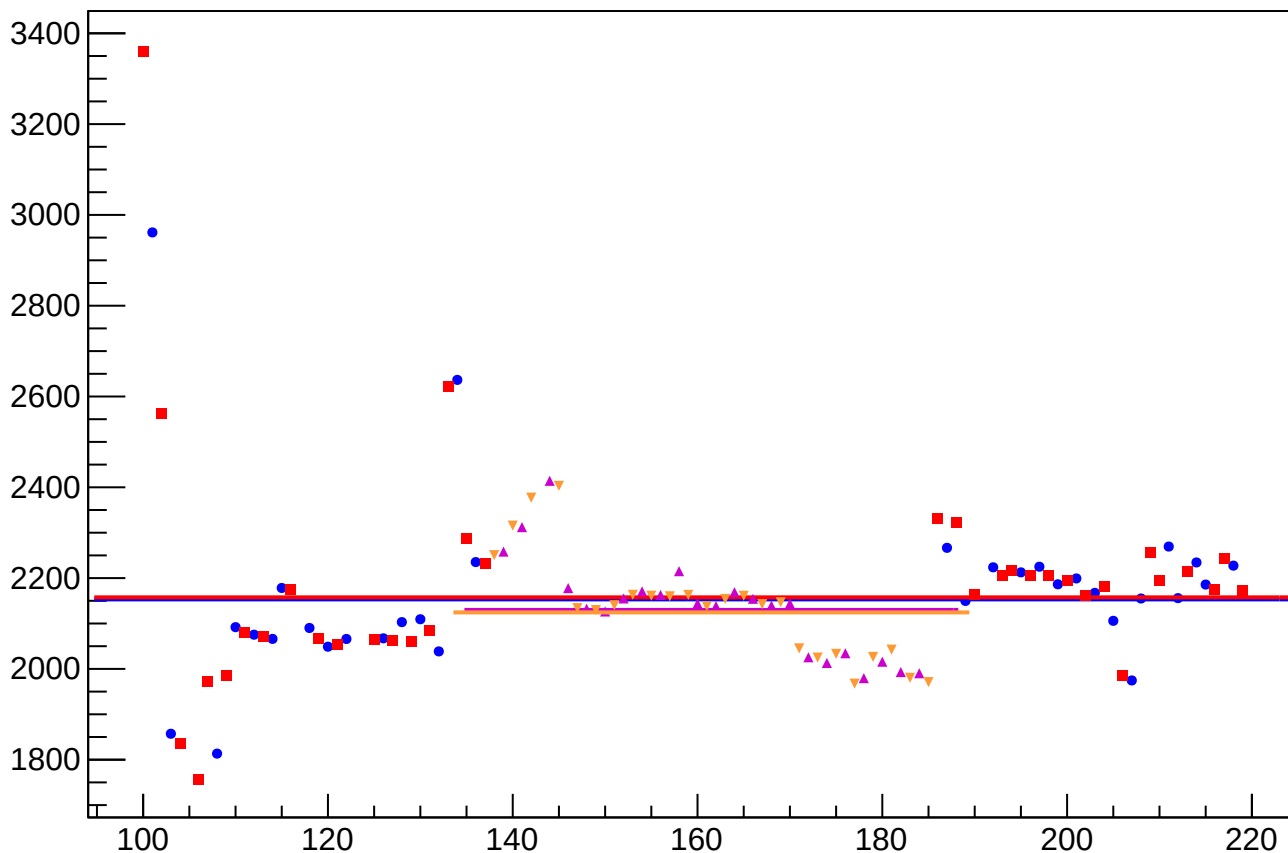
Left In: 366.649 ± 497.896 χ^2/NDF : 17.3/22

+ sign -856.928 ± 344.353 χ^2/NDF : 47.6/55

All: -535.812 ± 242.868 χ^2/NDF : 96.2/113

- sign -217.982 ± 342.587 χ^2/NDF : 46.9/57

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.111 $\pm$ 0.340 χ^2 /NDF: 225991.3/31

Left Out: 2124.437 $\pm$ 0.349 χ^2 /NDF: 89184.0/23

Right Out: 2157.590 $\pm$ 0.334 χ^2 /NDF: 203263.2/34

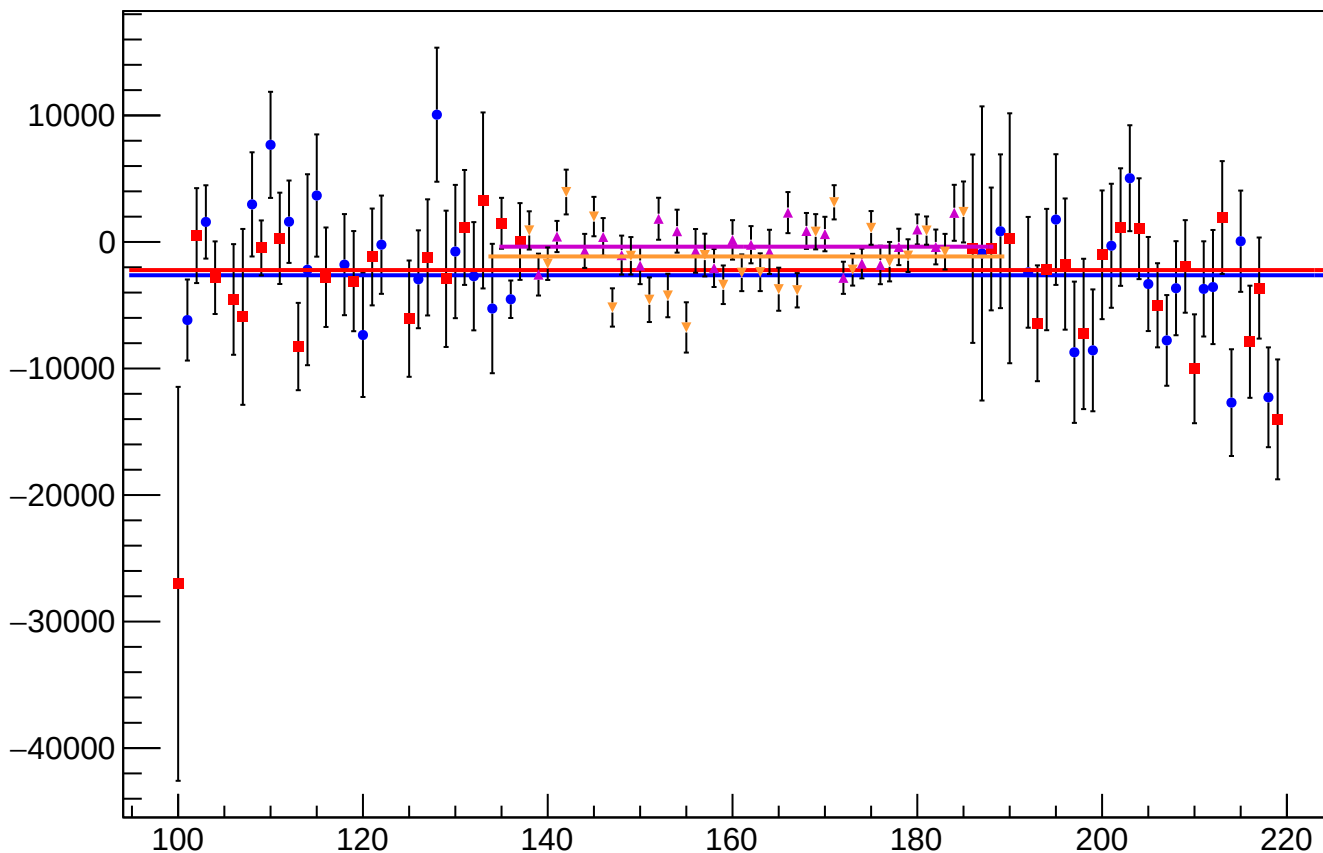
Left In: 2129.897 $\pm$ 0.352 χ^2 /NDF: 85354.4/22

+ sign 2139.160 $\pm$ 0.243 χ^2 /NDF: 318639.7/55

All: 2141.833 $\pm$ 0.172 χ^2 /NDF: 610755.3/113

- sign 2144.479 $\pm$ 0.242 χ^2 /NDF: 291875.7/57

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug



Right In: -2631.645 ± 679.021 χ^2/NDF : 45.6/31

Left Out: -1144.779 ± 302.490 χ^2/NDF : 67.5/23

Right Out: -2220.950 ± 674.672 χ^2/NDF : 29.8/34

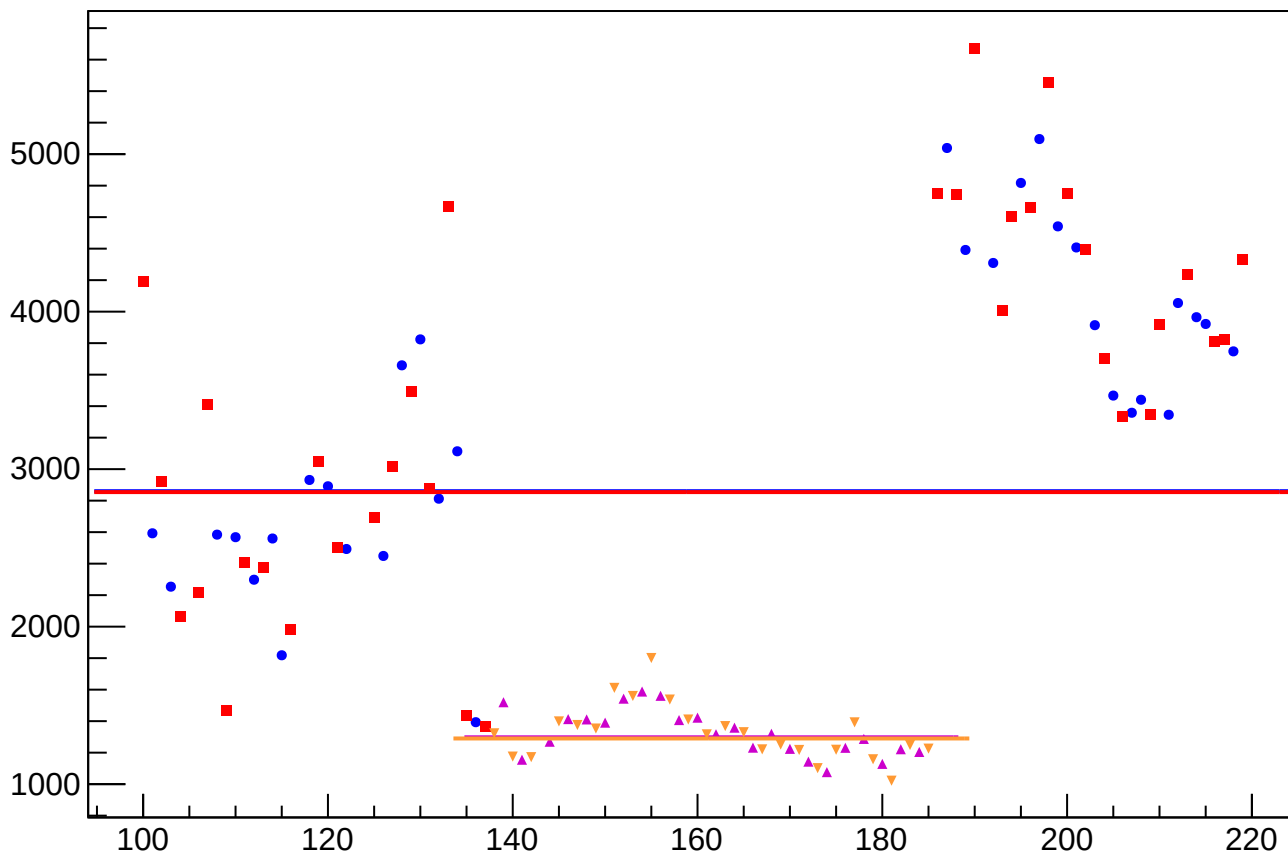
Left In: -373.186 ± 305.379 χ^2/NDF : 20.3/22

+ sign -1390.990 ± 276.313 χ^2/NDF : 117.1/55

All: -1041.587 ± 196.049 χ^2/NDF : 176.6/113

- sign -687.379 ± 278.207 χ^2/NDF : 56.3/57

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2860.029 $\pm$ 0.480 χ^2 /NDF: 4685305.4/31

Left Out: 1290.041 $\pm$ 0.214 χ^2 /NDF: 567883.5/23

Right Out: 2854.373 $\pm$ 0.477 χ^2 /NDF: 5868684.9/34

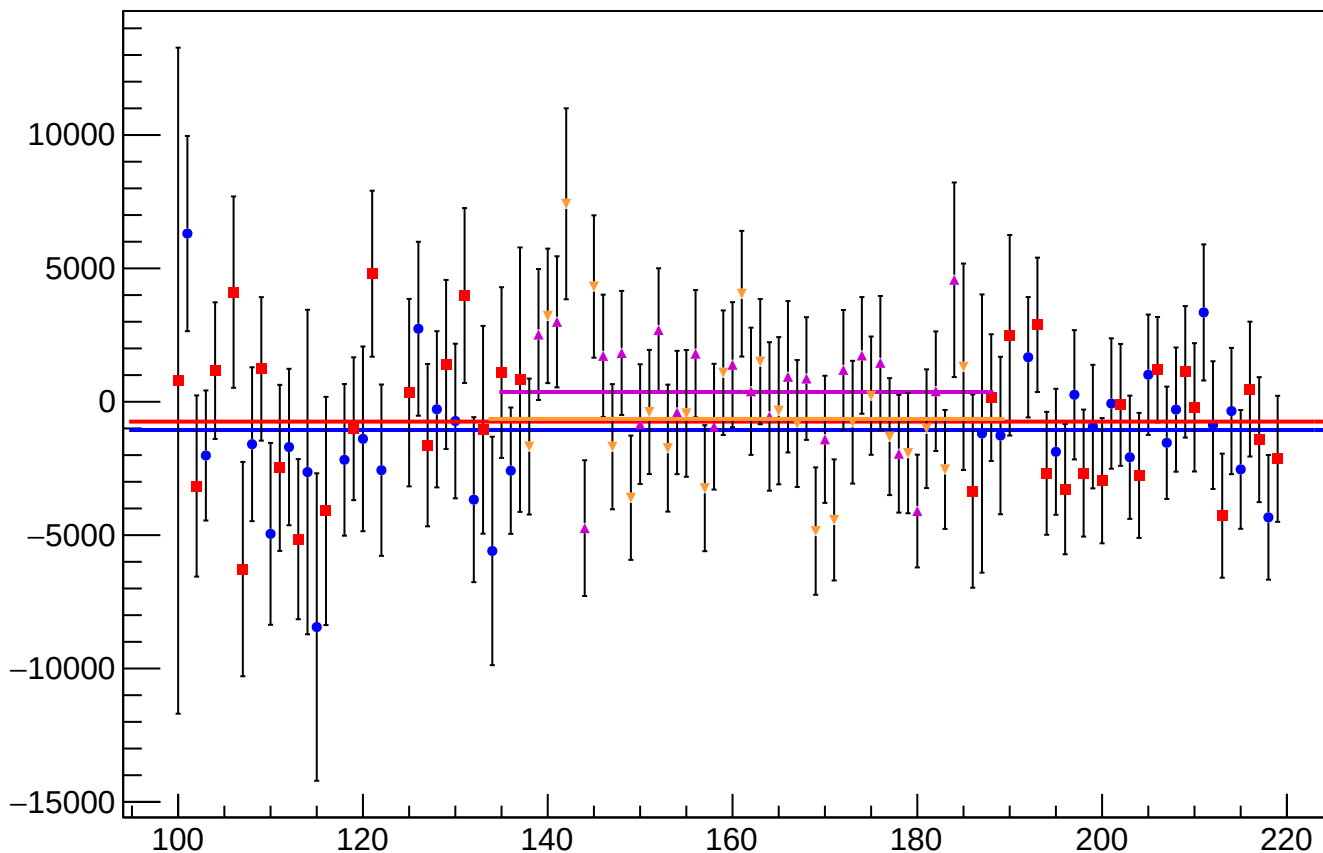
Left In: 1297.458 $\pm$ 0.216 χ^2 /NDF: 434006.2/22

+ sign 1550.016 $\pm$ 0.195 χ^2 /NDF: 14174640.9/55

All: 1556.064 $\pm$ 0.139 χ^2 /NDF: 29318858.6/1

- sign 1562.195 $\pm$ 0.197 χ^2 /NDF: 15142288.3/57

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1059.000 $\pm$ 480.562 χ^2 /NDF: 20.1/31

Left Out: -643.673 $\pm$ 493.681 χ^2 /NDF: 27.1/23

Right Out: -743.633 $\pm$ 472.114 χ^2 /NDF: 26.9/34

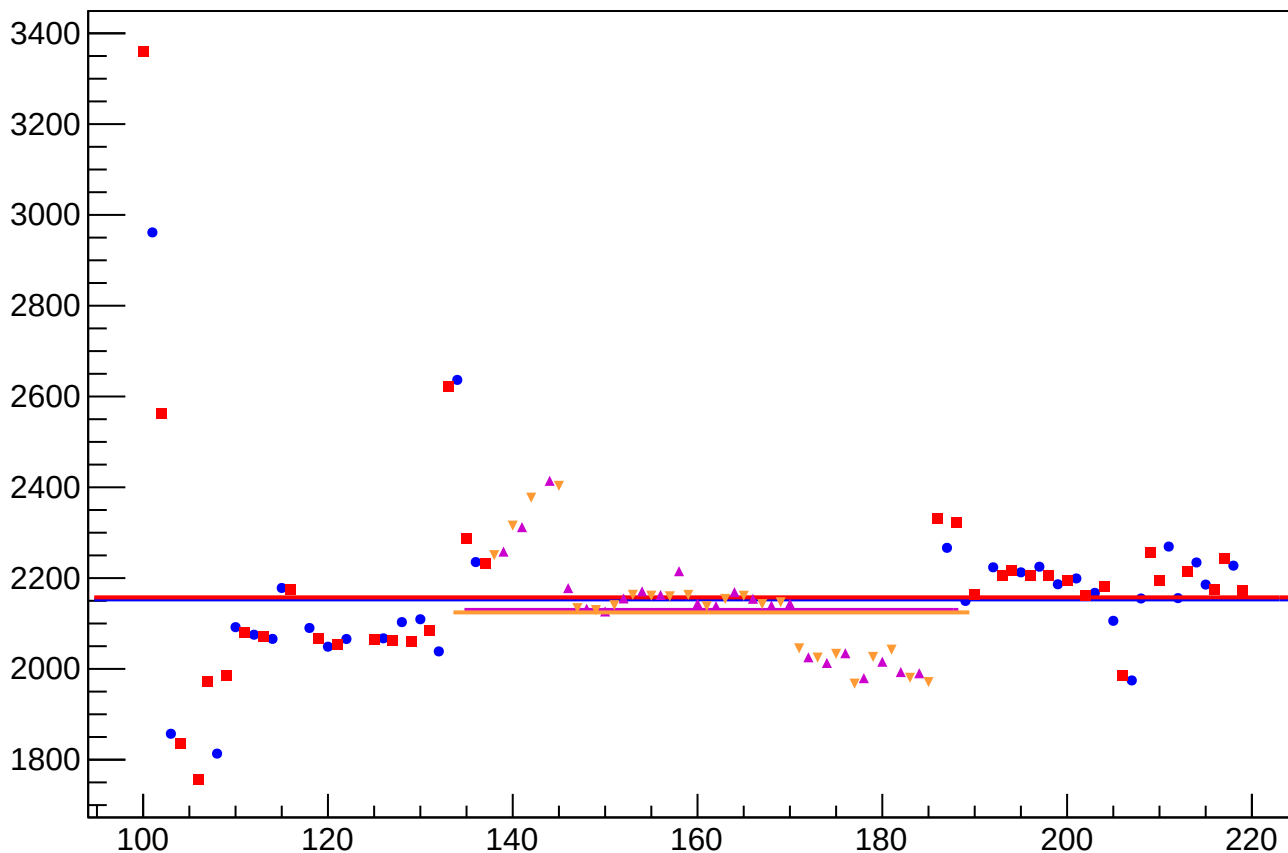
Left In: 366.649 $\pm$ 497.896 χ^2 /NDF: 17.3/22

+ sign -856.928 $\pm$ 344.353 χ^2 /NDF: 47.6/55

All: -535.812 $\pm$ 242.868 χ^2 /NDF: 96.2/113

- sign -217.982 $\pm$ 342.587 χ^2 /NDF: 46.9/57

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.111 $\pm$ 0.340 χ^2 /NDF: 225991.3/31

Left Out: 2124.437 $\pm$ 0.349 χ^2 /NDF: 89184.0/23

Right Out: 2157.590 $\pm$ 0.334 χ^2 /NDF: 203263.2/34

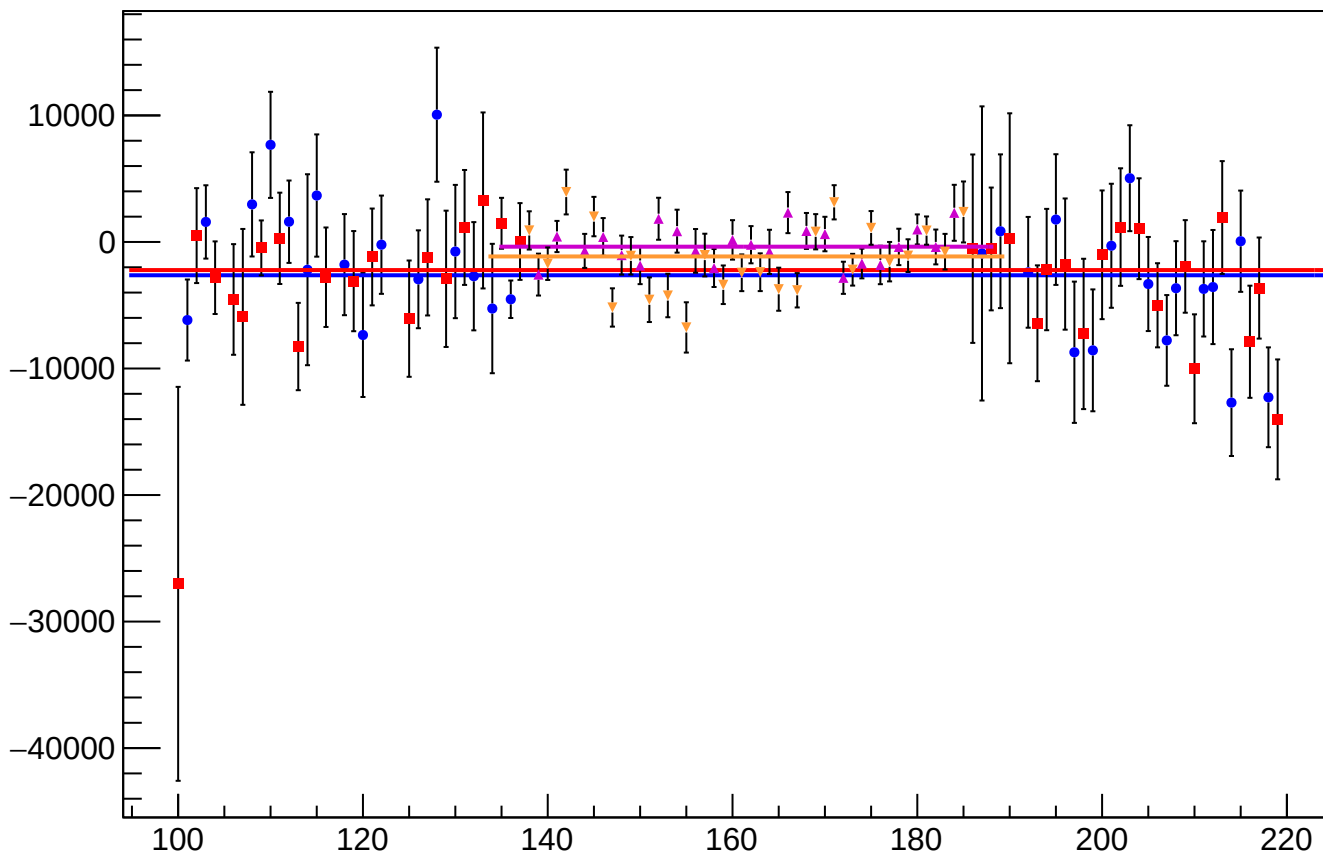
Left In: 2129.897 $\pm$ 0.352 χ^2 /NDF: 85354.4/22

+ sign 2139.160 $\pm$ 0.243 χ^2 /NDF: 318639.7/55

All: 2141.833 $\pm$ 0.172 χ^2 /NDF: 610755.3/113

- sign 2144.479 $\pm$ 0.242 χ^2 /NDF: 291875.7/57

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -2631.645 ± 679.021 χ^2/NDF : 45.6/31

Left Out: -1144.779 ± 302.490 χ^2/NDF : 67.5/23

Right Out: -2220.950 ± 674.672 χ^2/NDF : 29.8/34

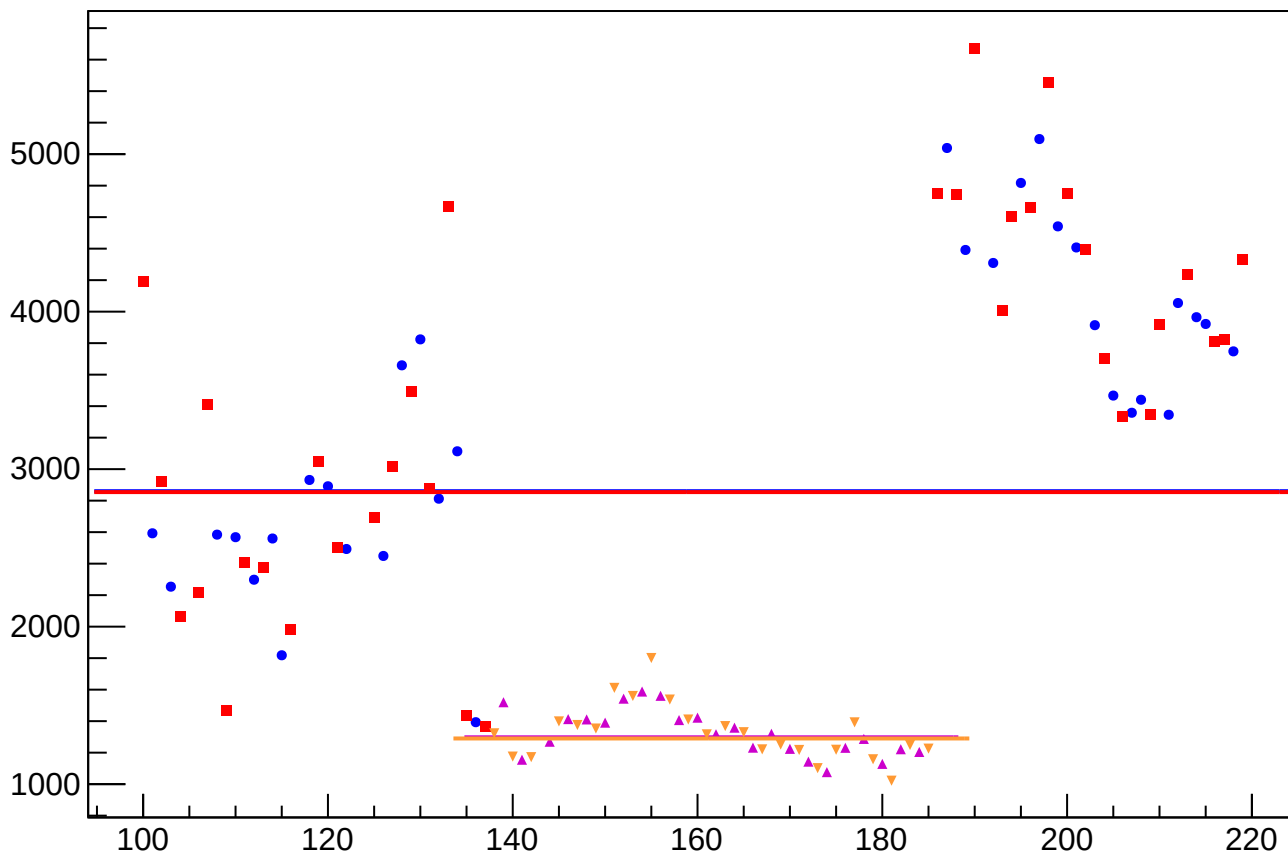
Left In: -373.186 ± 305.379 χ^2/NDF : 20.3/22

+ sign -1390.990 ± 276.313 χ^2/NDF : 117.1/55

All: -1041.587 ± 196.049 χ^2/NDF : 176.6/113

- sign -687.379 ± 278.207 χ^2/NDF : 56.3/57

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 2860.029 $\pm$ 0.480 χ^2 /NDF: 4685305.4/31

Left Out: 1290.041 $\pm$ 0.214 χ^2 /NDF: 567883.5/23

Right Out: 2854.373 $\pm$ 0.477 χ^2 /NDF: 5868684.9/34

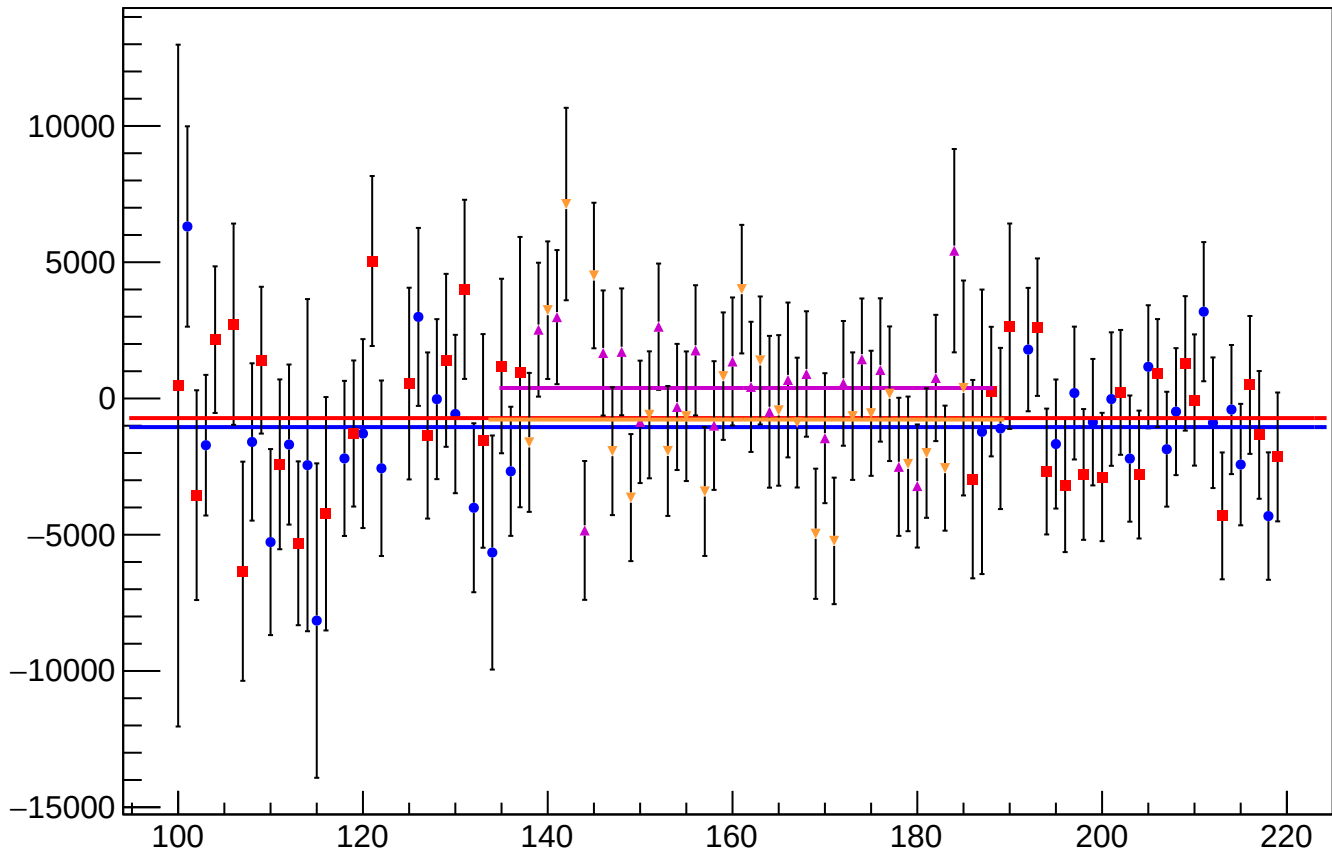
Left In: 1297.458 $\pm$ 0.216 χ^2 /NDF: 434006.2/22

+ sign 1550.016 $\pm$ 0.195 χ^2 /NDF: 14174640.9/55

All: 1556.064 $\pm$ 0.139 χ^2 /NDF: 29318858.6/1

- sign 1562.195 $\pm$ 0.197 χ^2 /NDF: 15142288.3/57

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1050.555 ± 482.406 $\chi^2/\text{NDF}: 20.5/31$

Left Out: -773.579 ± 502.816 $\chi^2/\text{NDF}: 28.6/23$

Right Out: -719.715 ± 475.003 $\chi^2/\text{NDF}: 27.0/34$

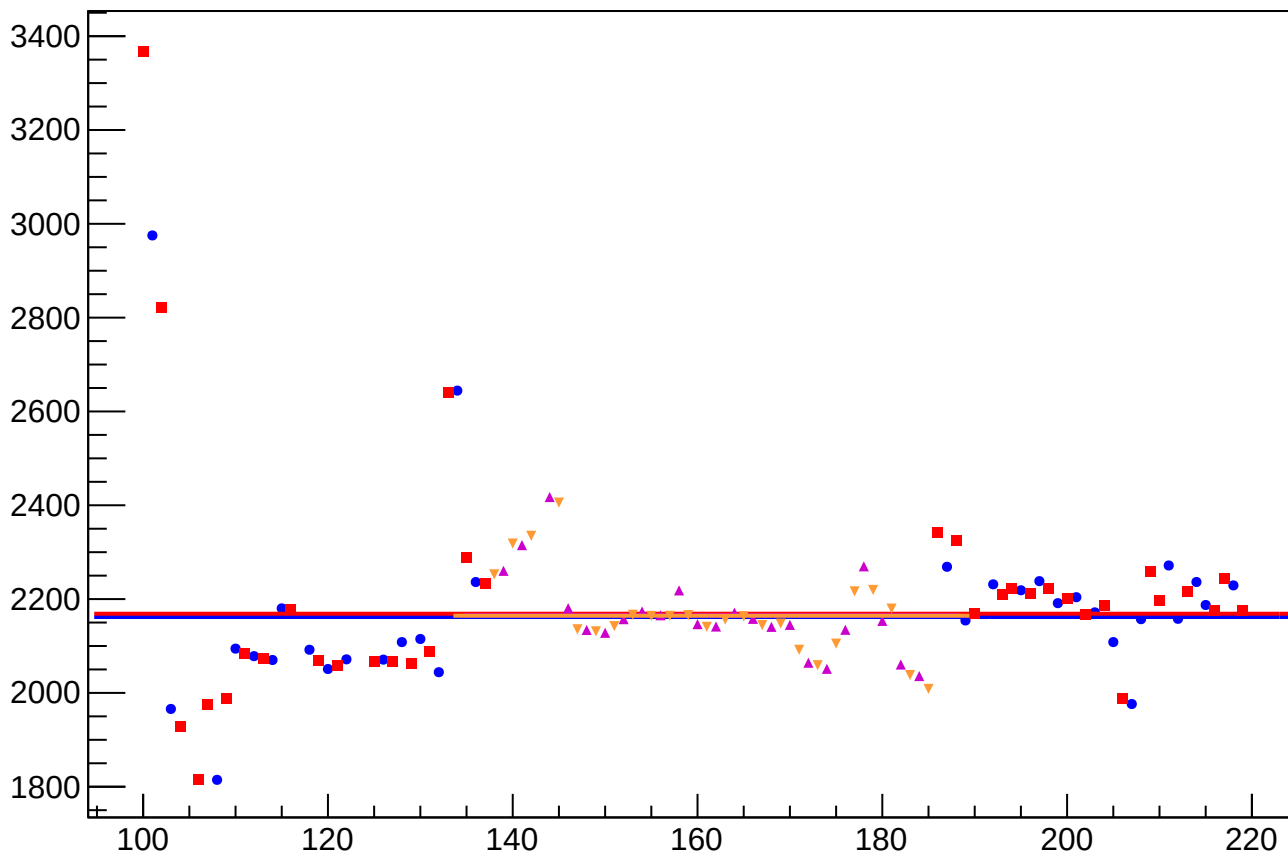
Left In: 385.269 ± 506.052 $\chi^2/\text{NDF}: 15.6/22$

+ sign -917.803 ± 348.104 $\chi^2/\text{NDF}: 49.2/55$

All: -558.157 ± 245.519 $\chi^2/\text{NDF}: 96.5/113$

- sign -202.159 ± 346.334 $\chi^2/\text{NDF}: 45.1/57$

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2161.805 $\pm$ 0.341 χ^2 /NDF: 209922.2/31

Left Out: 2164.532 $\pm$ 0.356 χ^2 /NDF: 50676.3/23

Right Out: 2168.806 $\pm$ 0.336 χ^2 /NDF: 211205.9/34

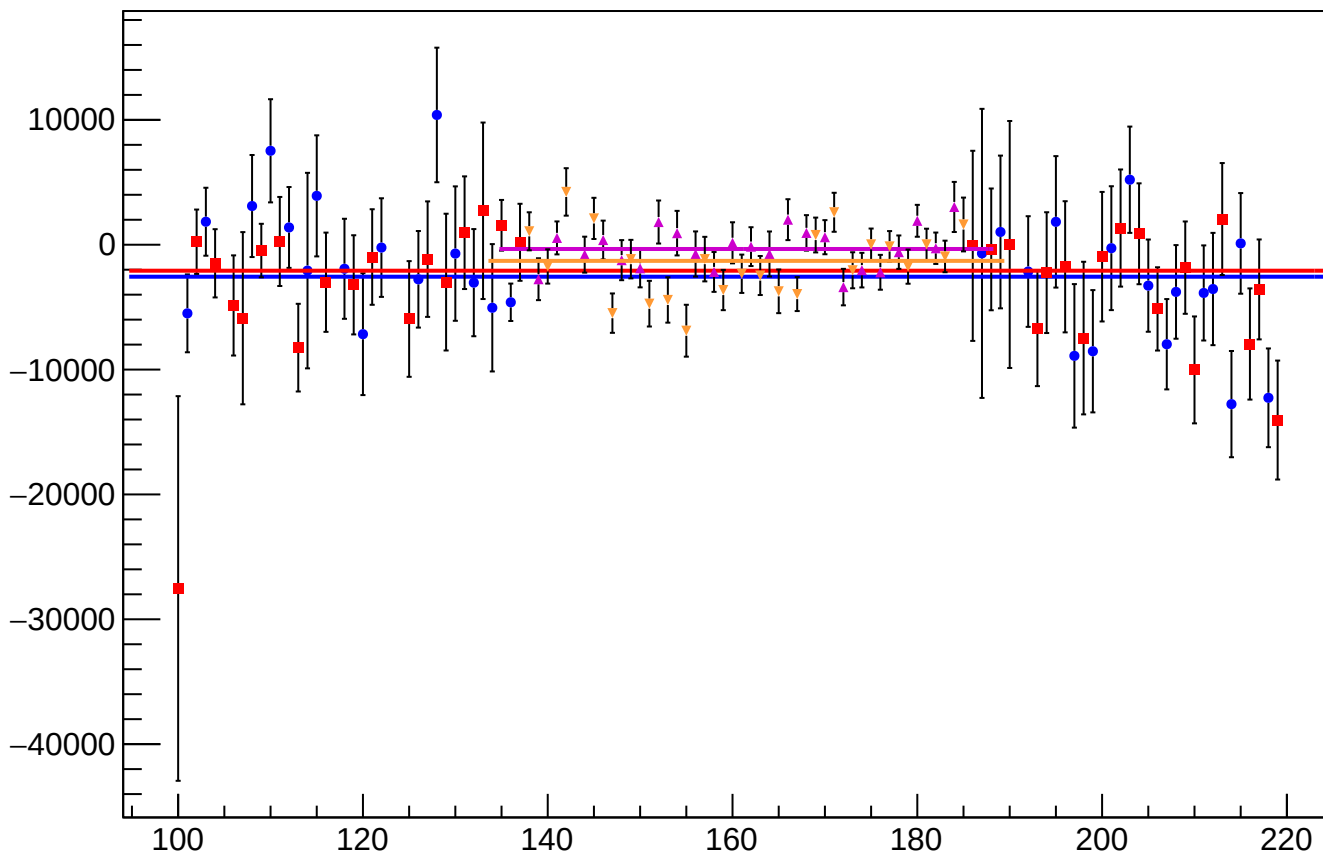
Left In: 2165.643 $\pm$ 0.358 χ^2 /NDF: 52124.5/22

+ sign 2163.112 $\pm$ 0.246 χ^2 /NDF: 260629.1/55

All: 2165.229 $\pm$ 0.174 χ^2 /NDF: 524148.2/113

- sign 2167.325 $\pm$ 0.245 χ^2 /NDF: 263371.9/57

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug



Right In: -2561.774 $\pm$ 680.127 χ^2 /NDF: 46.0/31

Left Out: -1293.716 $\pm$ 310.622 χ^2 /NDF: 58.7/23

Right Out: -2080.611 $\pm$ 662.564 χ^2 /NDF: 30.6/34

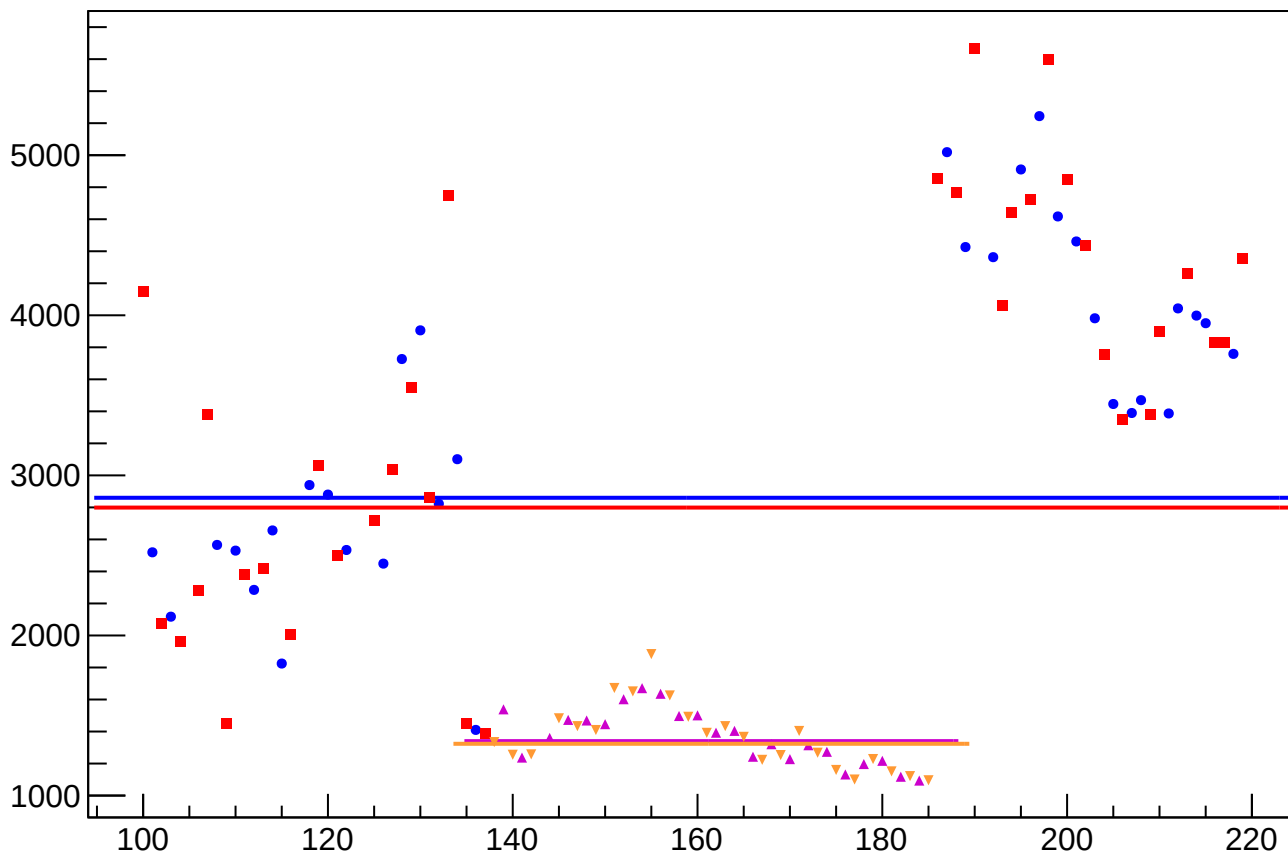
Left In: -341.259 $\pm$ 315.566 χ^2 /NDF: 24.8/22

+ sign -1512.566 $\pm$ 282.549 χ^2 /NDF: 107.6/55

All: -1091.239 $\pm$ 200.619 χ^2 /NDF: 173.0/113

- sign -662.864 $\pm$ 284.902 χ^2 /NDF: 60.9/57

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2860.169 $\pm$ 0.481 χ^2 /NDF: 4791933.7/31

Left Out: 1323.402 $\pm$ 0.220 χ^2 /NDF: 663859.2/23

Right Out: 2798.905 $\pm$ 0.469 χ^2 /NDF: 6185567.7/34

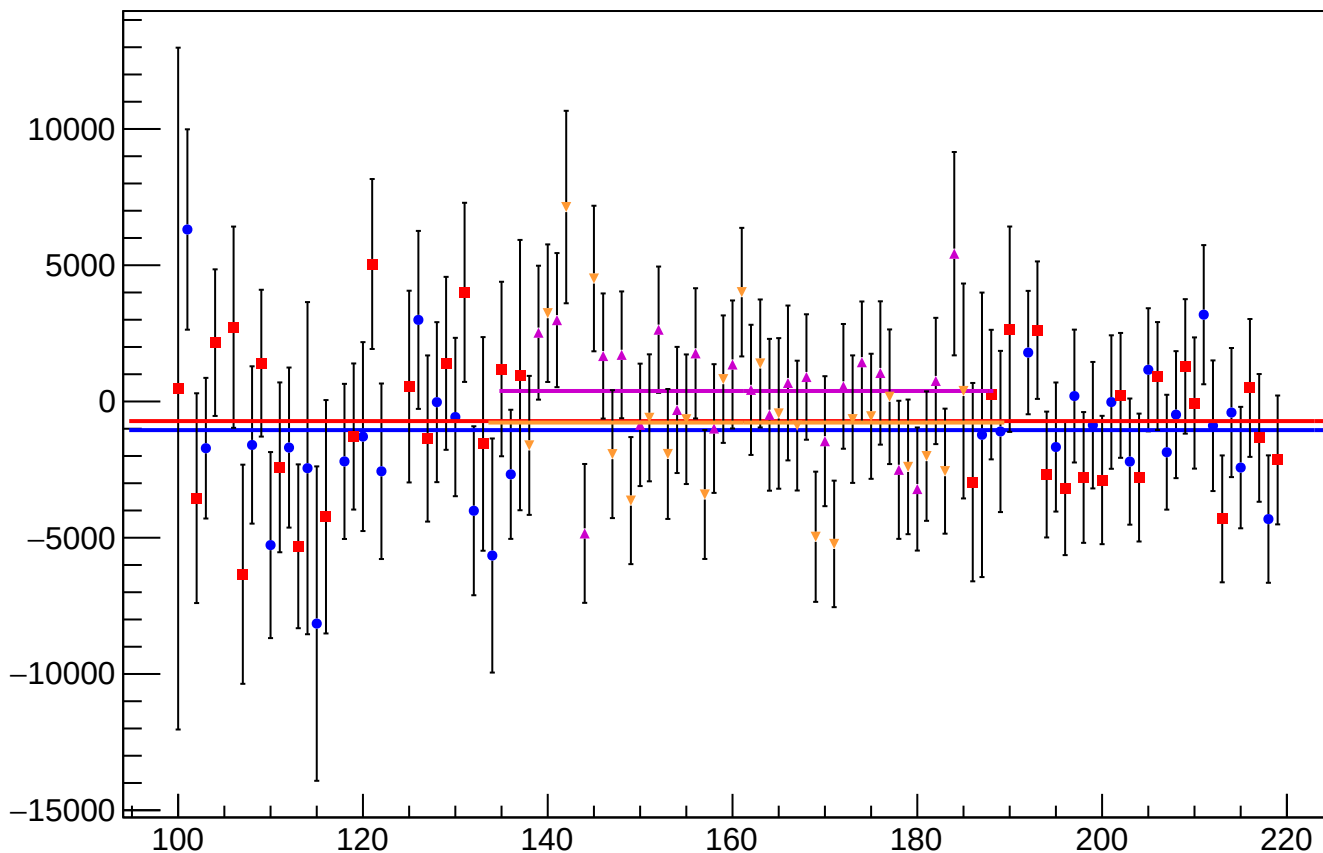
Left In: 1340.084 $\pm$ 0.223 χ^2 /NDF: 494267.4/22

+ sign 1588.628 $\pm$ 0.200 χ^2 /NDF: 13904469.5/55

All: 1599.136 $\pm$ 0.142 χ^2 /NDF: 28492830.8/1

- sign 1609.820 $\pm$ 0.201 χ^2 /NDF: 14582782.5/57

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1050.548 ± 482.406 χ^2/NDF : 20.5/31

Left Out: -773.576 ± 502.816 χ^2/NDF : 28.6/23

Right Out: -719.707 ± 475.003 χ^2/NDF : 27.0/34

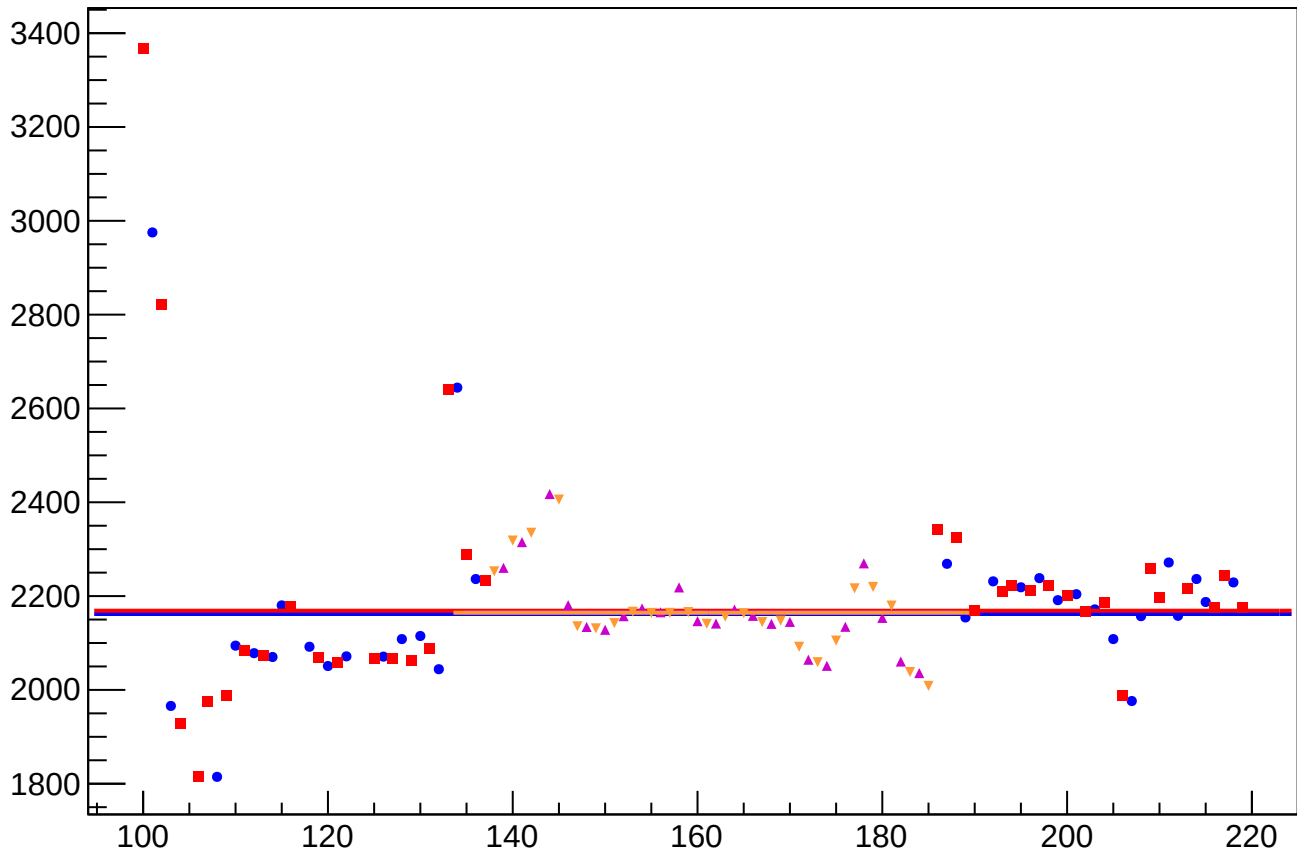
Left In: 385.269 ± 506.052 χ^2/NDF : 15.6/22

+ sign -917.797 ± 348.104 χ^2/NDF : 49.2/55

All: -558.153 ± 245.519 χ^2/NDF : 96.5/113

- sign -202.156 ± 346.334 χ^2/NDF : 45.1/57

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2161.805 $\pm$ 0.341 χ^2 /NDF: 209922.2/31

Left Out: 2164.532 $\pm$ 0.356 χ^2 /NDF: 50676.3/23

Right Out: 2168.806 $\pm$ 0.336 χ^2 /NDF: 211205.8/34

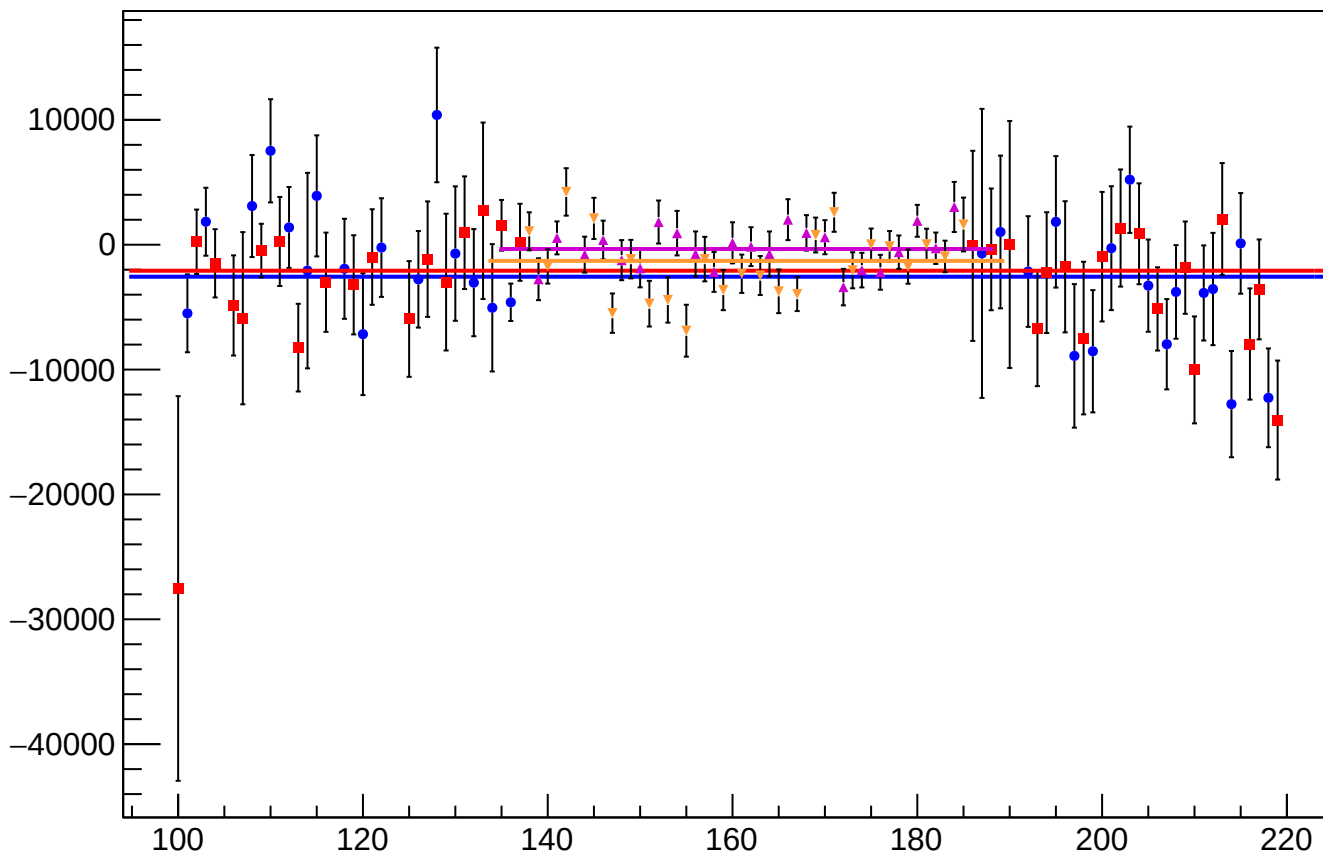
Left In: 2165.643 $\pm$ 0.358 χ^2 /NDF: 52124.4/22

+ sign 2163.112 $\pm$ 0.246 χ^2 /NDF: 260629.1/55

All: 2165.229 $\pm$ 0.174 χ^2 /NDF: 524148.1/113

- sign 2167.325 $\pm$ 0.245 χ^2 /NDF: 263371.8/57

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -2561.772 ± 680.128 χ^2/NDF : 46.0/31

Left Out: -1293.717 ± 310.622 χ^2/NDF : 58.7/23

Right Out: -2080.623 ± 662.566 χ^2/NDF : 30.6/34

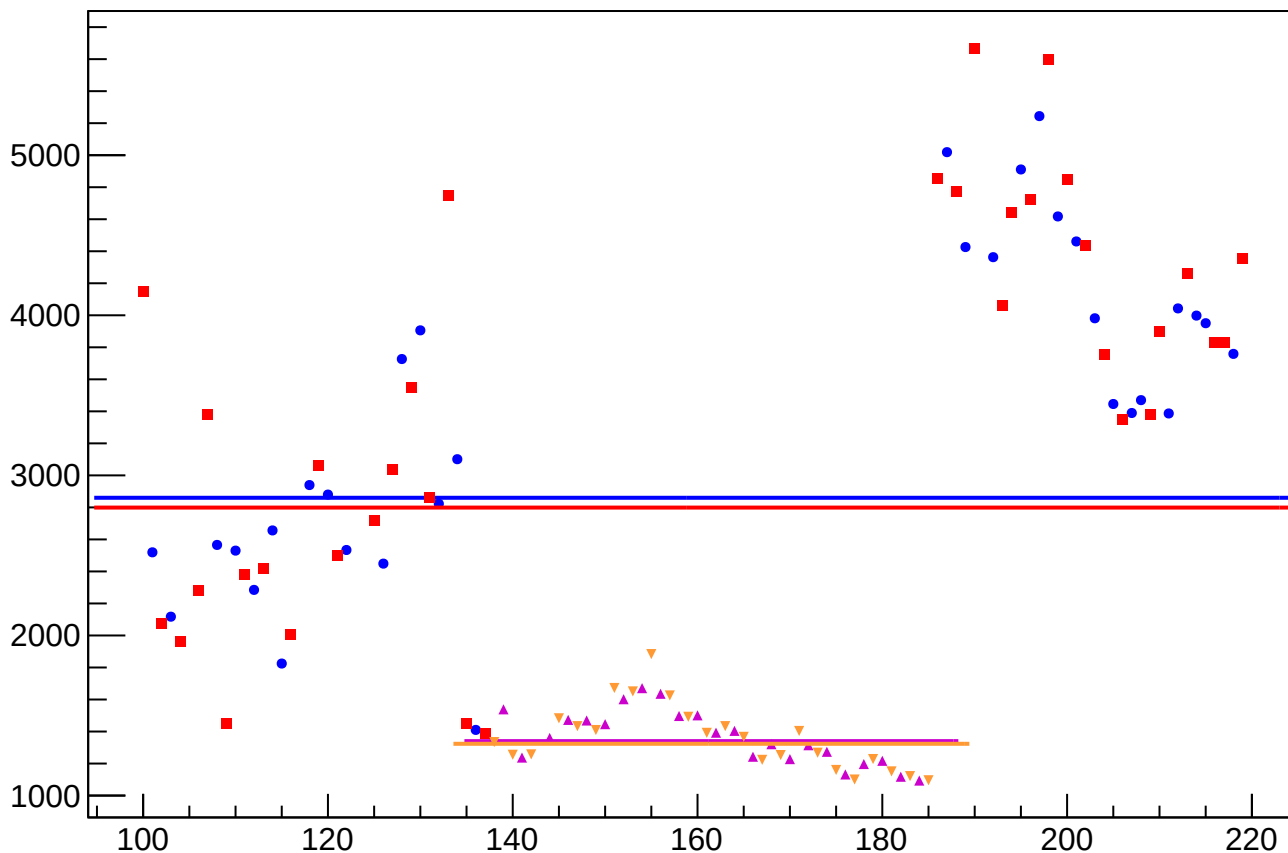
Left In: -341.256 ± 315.566 χ^2/NDF : 24.8/22

+ sign -1512.565 ± 282.549 χ^2/NDF : 107.6/55

All: -1091.238 ± 200.619 χ^2/NDF : 173.0/113

- sign -662.862 ± 284.902 χ^2/NDF : 60.9/57

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 2860.179 $\pm$ 0.481 χ^2 /NDF: 4791820.9/31

Left Out: 1323.402 $\pm$ 0.220 χ^2 /NDF: 663857.6/23

Right Out: 2798.917 $\pm$ 0.469 χ^2 /NDF: 6185462.1/34

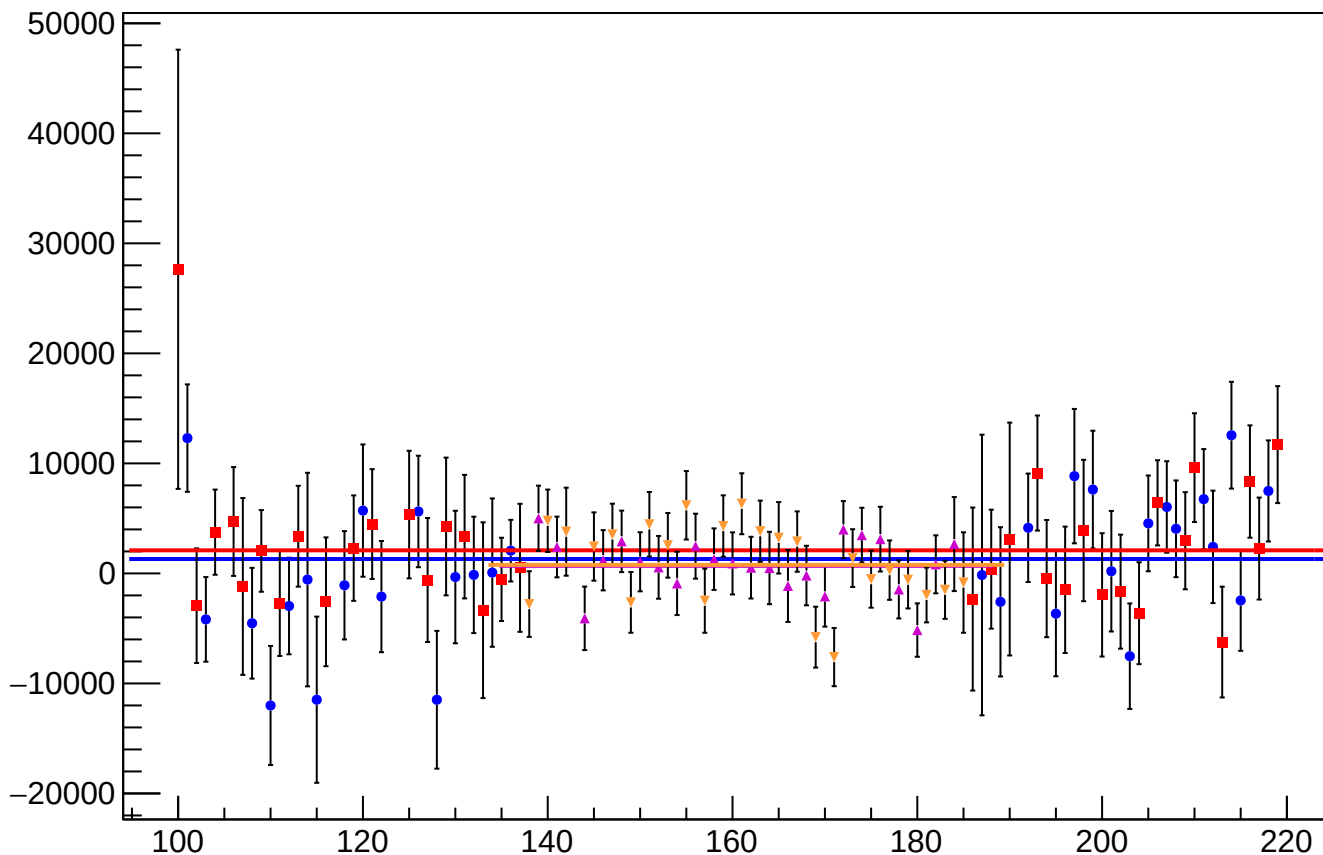
Left In: 1340.083 $\pm$ 0.223 χ^2 /NDF: 494276.1/22

+ sign 1588.628 $\pm$ 0.200 χ^2 /NDF: 13904440.6/55

All: 1599.136 $\pm$ 0.142 χ^2 /NDF: 28492815.8/1

- sign 1609.819 $\pm$ 0.201 χ^2 /NDF: 14582797.1/57

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 1308.093 $\pm$ 886.101 χ^2 /NDF: 44.1/31

Left Out: 774.788 $\pm$ 583.692 χ^2 /NDF:39.3/23

Right Out: 2097.505 $\pm$ 879.966 χ^2 /NDF: 23.5/34

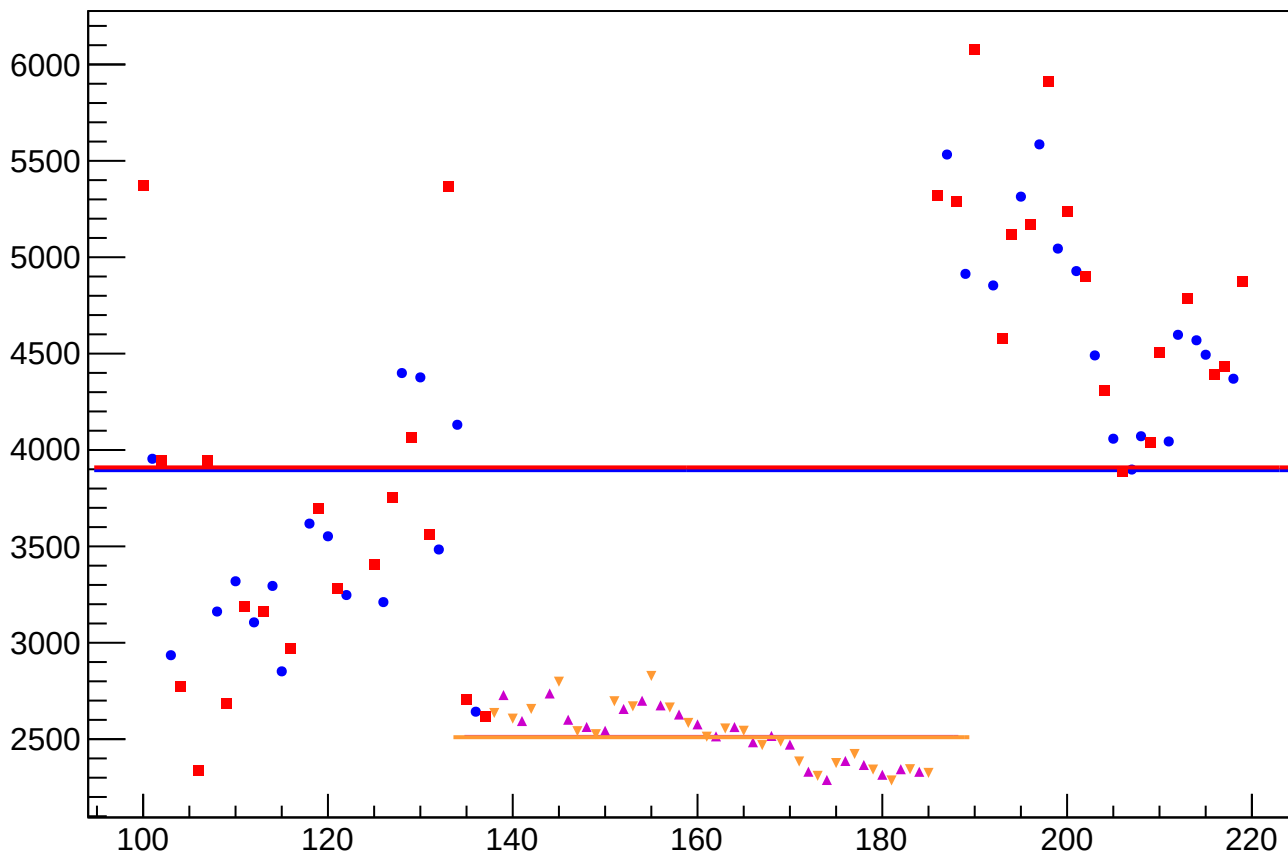
Left In: 689.981 $\pm$ 587.431 χ^2 /NDF:18.3/22

+ sign 936.170 $\pm$ 487.442 χ^2 /NDF: 83.7/55

All: 1029.802 $\pm$ 345.072 χ^2 /NDF: 127.4/113

- sign 1123.869 $\pm$ 488.570 χ^2 /NDF: 43.6/57

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3895.417 $\pm$ 0.627 χ^2 /NDF: 1588876.4/31

Left Out: 2510.069 $\pm$ 0.413 χ^2 /NDF:128632.5/23

Right Out: 3909.722 $\pm$ 0.622 χ^2 /NDF: 2280879.0/34

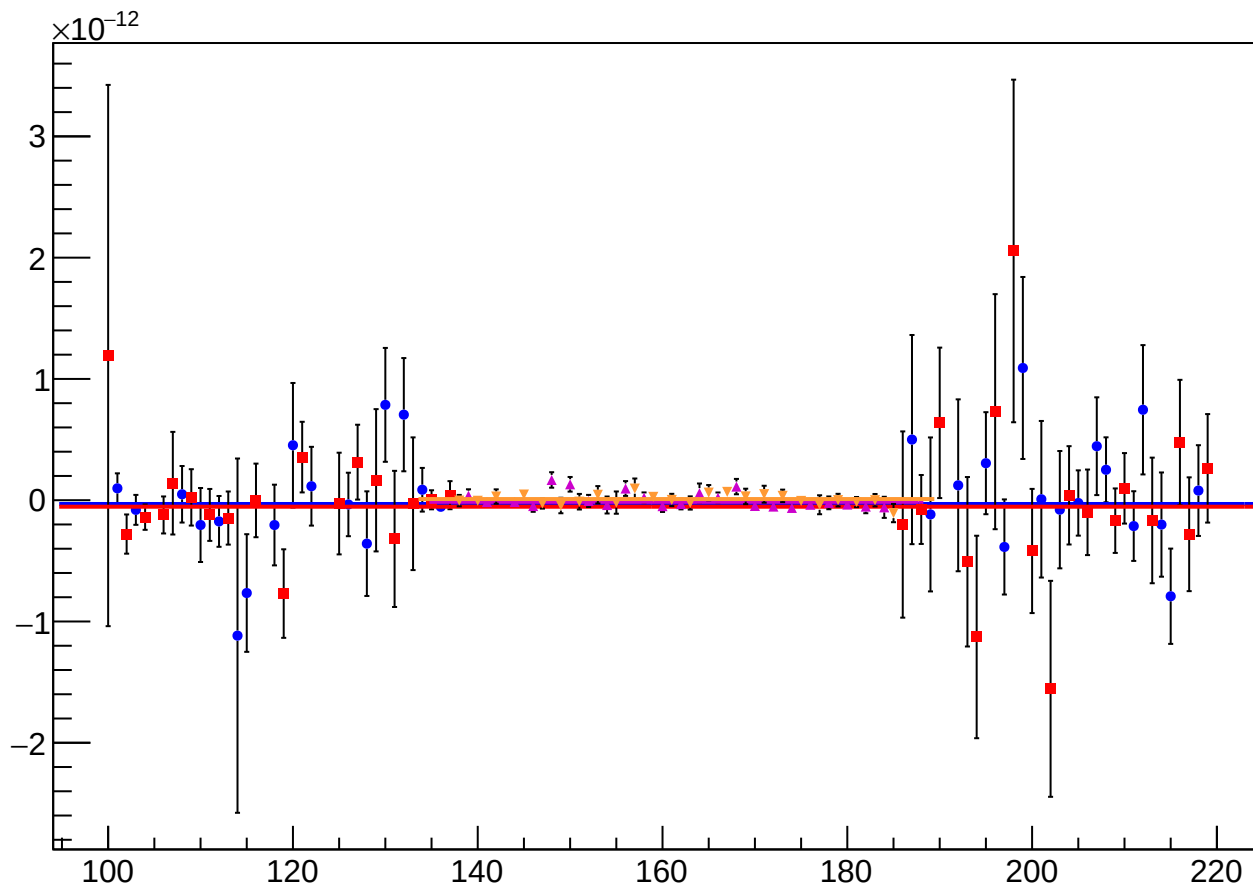
Left In: 2511.613 $\pm$ 0.415 χ^2 /NDF:113485.5/22

+ sign 2929.285 $\pm$ 0.345 χ^2 /NDF: 5126764.6/55

All: 2935.929 $\pm$ 0.244 χ^2 /NDF: 11014291.4/100

- sign 2942.604 $\pm$ 0.345 χ^2 /NDF: 5886782.0/57

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 26.4/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 12.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 24.5/34

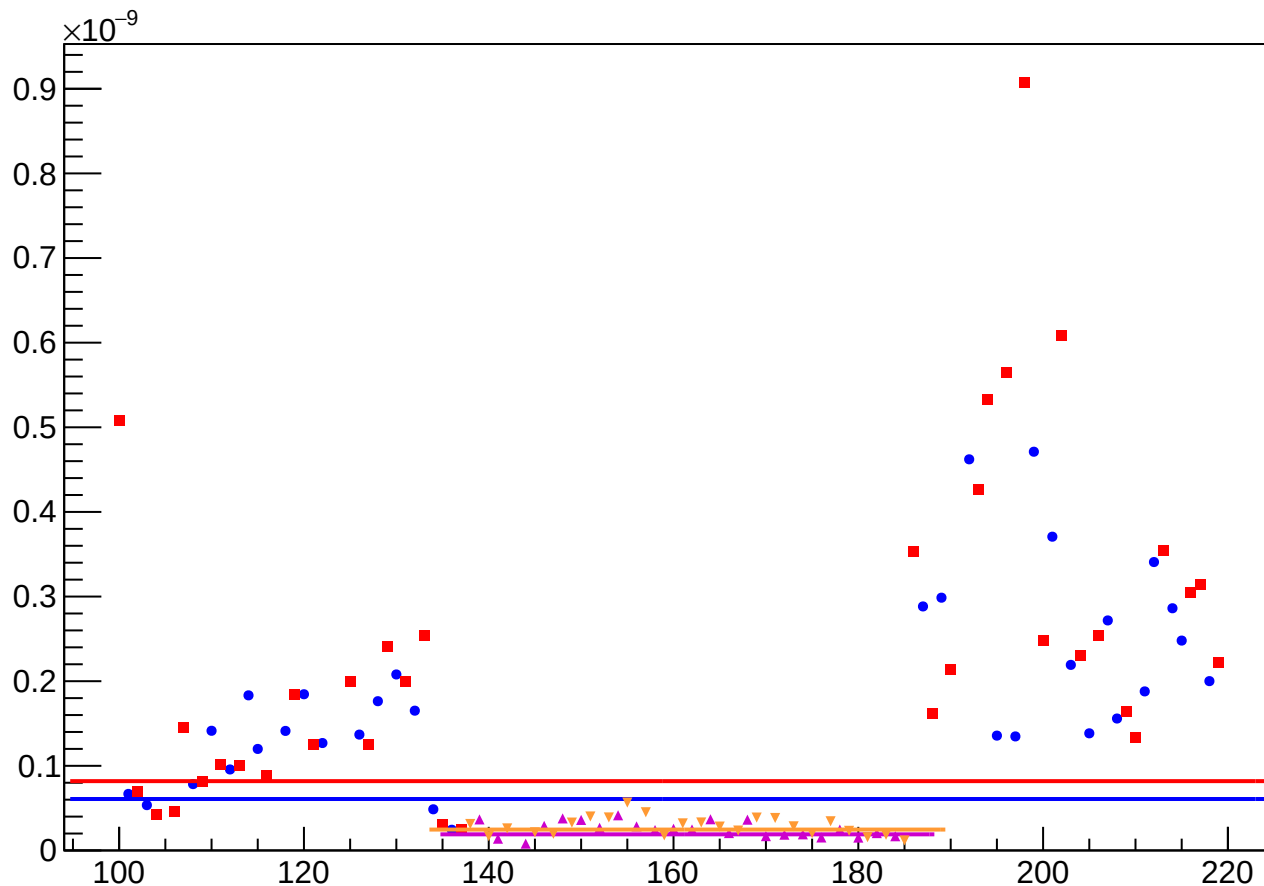
Left In: -0.000 ± 0.000 χ^2/NDF : 30.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 40.0/55

All: -0.000 ± 0.000 χ^2/NDF : 99.1/113

- sign -0.000 ± 0.000 χ^2/NDF : 56.4/57

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8379277.0/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8984943.3/34

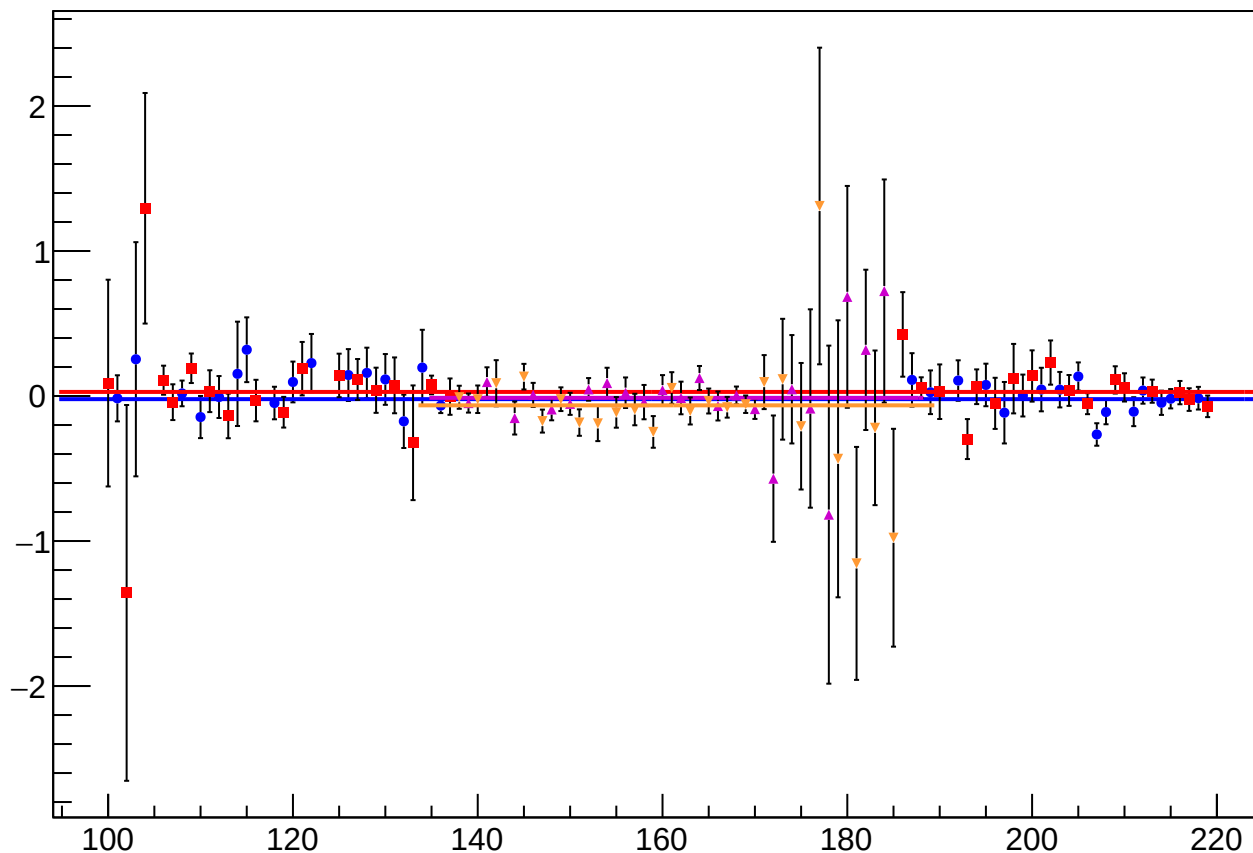
Left In: 0.000+/-0.000 χ^2/NDF : 2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 12038444.9/55

All: 0.000+/-0.000 χ^2/NDF : 28328310.3/113

- sign 0.000+/-0.000 χ^2/NDF : 15835559.4/57

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.022 ± 0.020 χ^2/NDF : 28.1/31

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.028 ± 0.019 χ^2/NDF : 28.1/34

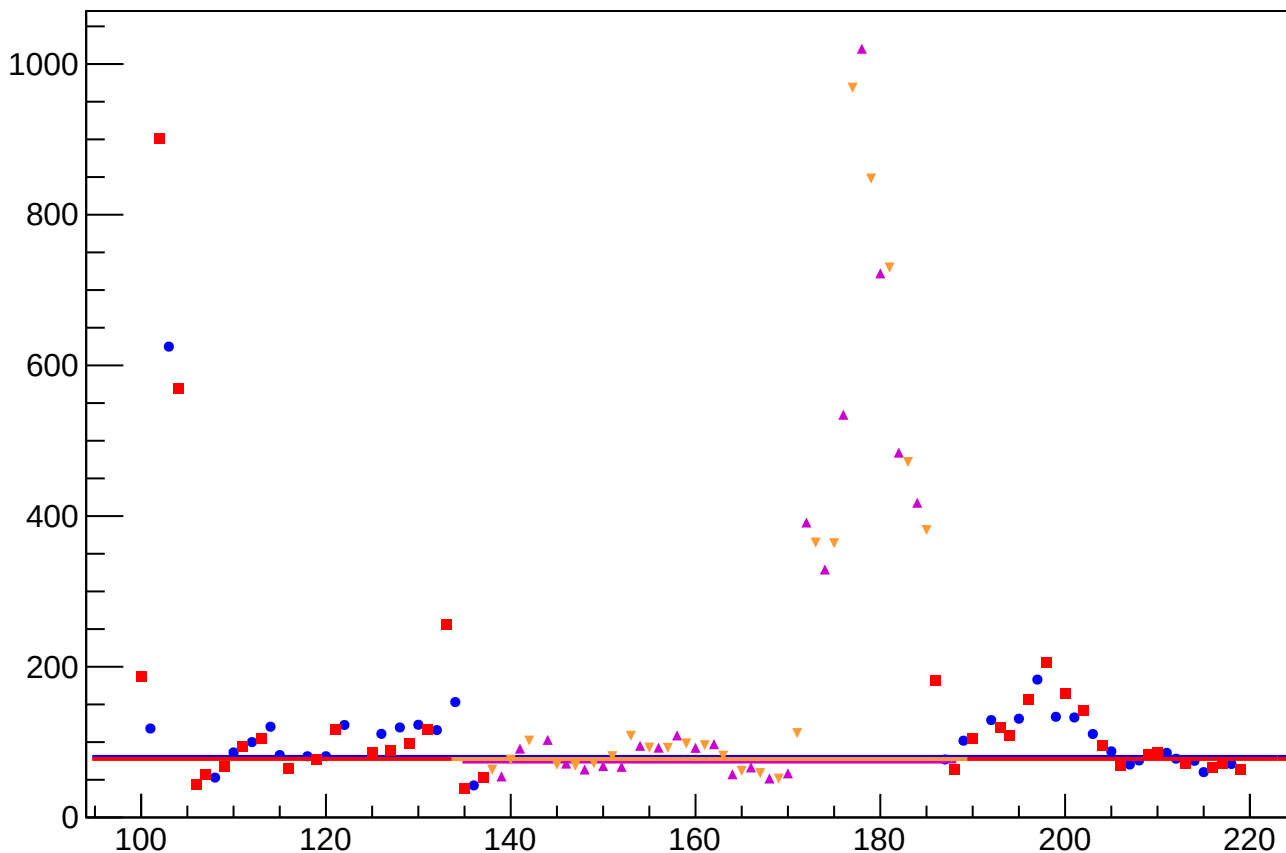
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.041 ± 0.015 χ^2/NDF : 52.4/55

All: -0.015 ± 0.010 χ^2/NDF : 103.5/113

- sign 0.009 ± 0.014 χ^2/NDF : 45.1/57

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 80.324+/-0.014 χ^2/NDF : 4865460.9/31

Left Out: 77.533+/-0.016 χ^2/NDF : 8331194.0/23

Right Out: 77.711+/-0.014 χ^2/NDF : 6228620.8/34

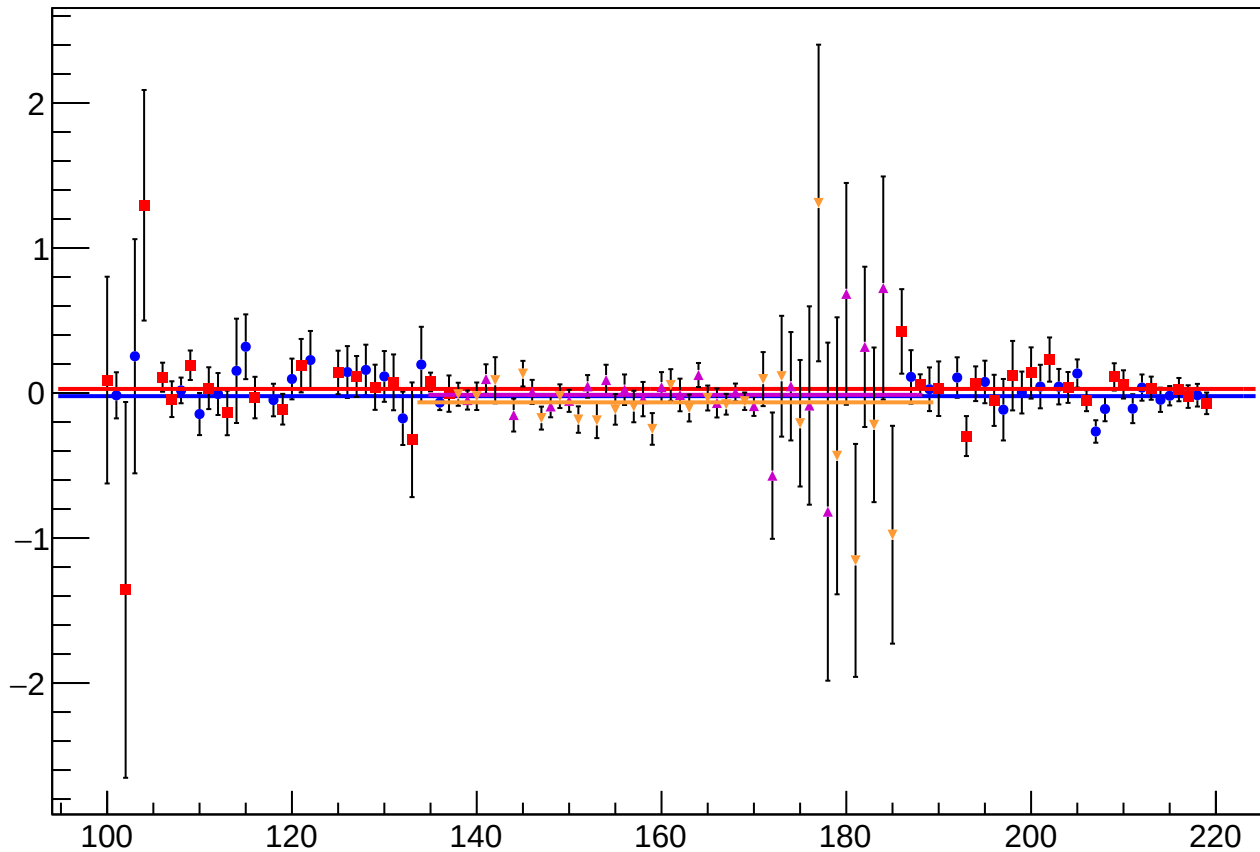
Left In: 74.216+/-0.015 χ^2/NDF : 8514080.5/22

+ sign 79.063+/-0.011 χ^2/NDF : 13214131.7/55

All: 77.530+/-0.007 χ^2/NDF : 28027520.7/113

- sign 76.106+/-0.010 χ^2/NDF : 14772296.0/57

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.022 ± 0.020 χ^2/NDF : 28.1/31

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.028 ± 0.019 χ^2/NDF : 28.1/34

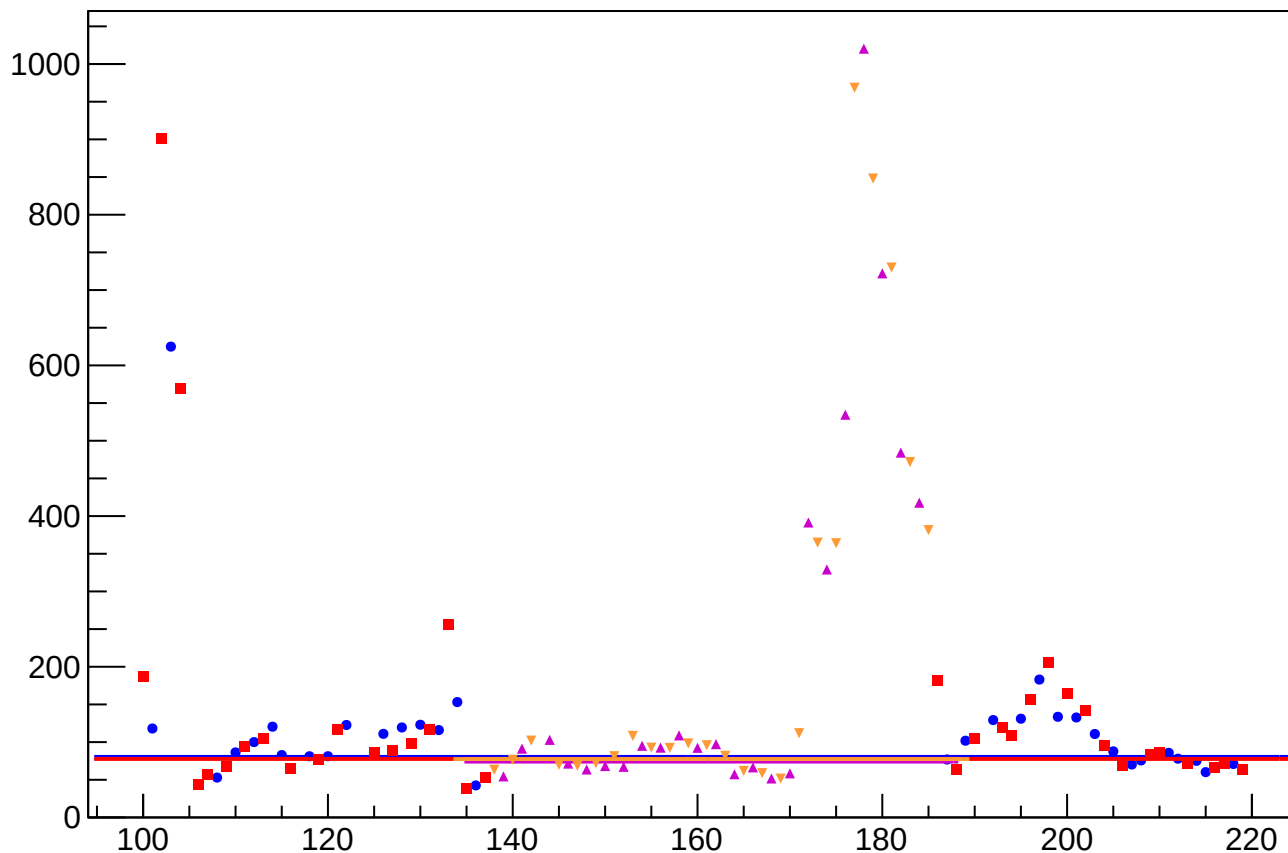
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.041 ± 0.015 χ^2/NDF : 52.4/55

All: -0.015 ± 0.010 χ^2/NDF : 103.5/113

- sign 0.009 ± 0.014 χ^2/NDF : 45.1/57

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 80.324 $\pm$ 0.014 χ^2 /NDF: 4865460.9/31

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF:8331194.0/23

Right Out: 77.711 $\pm$ 0.014 χ^2 /NDF: 6228620.8/34

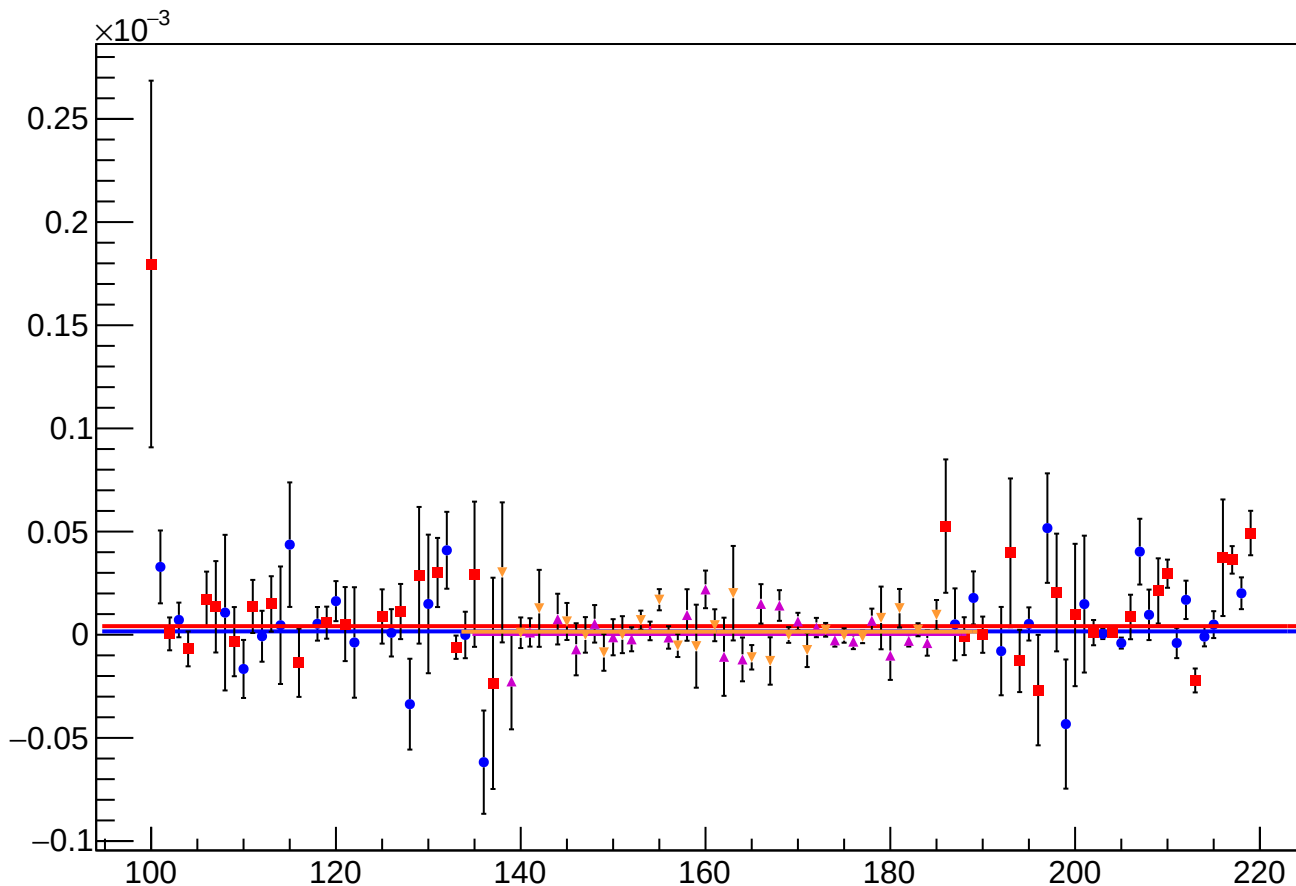
Left In: 74.216 $\pm$ 0.015 χ^2 /NDF:8514080.5/22

+ sign 79.063 $\pm$ 0.011 χ^2 /NDF: 13214131.7/55

All: 77.530 $\pm$ 0.007 χ^2 /NDF: 28027520.7/113

- sign 76.106 $\pm$ 0.010 χ^2 /NDF: 14772296.0/57

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 51.9/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 103.7/34

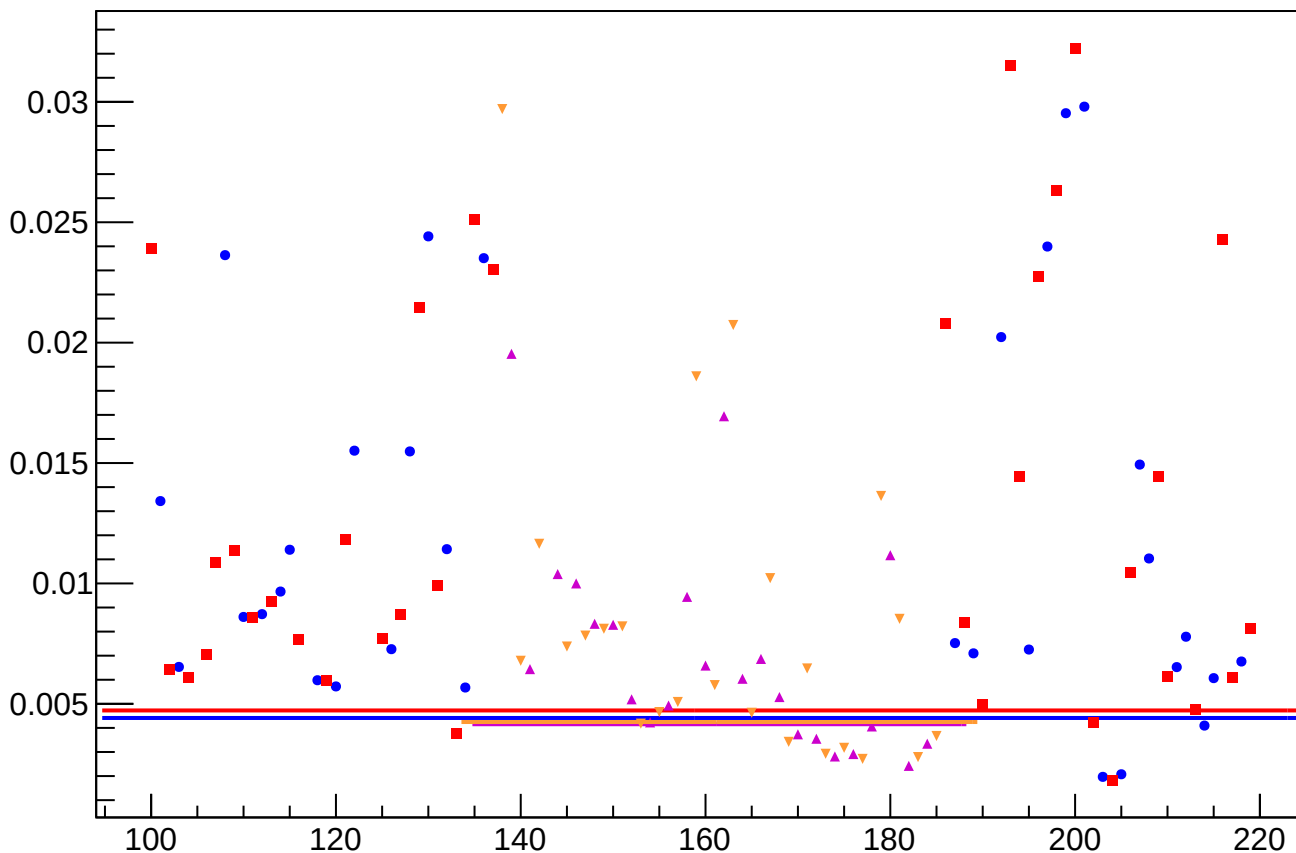
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 79.0/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 211.6/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 132.6/57

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 15741083.9/31

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF : 8650909.7/23

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 16137553.5/34

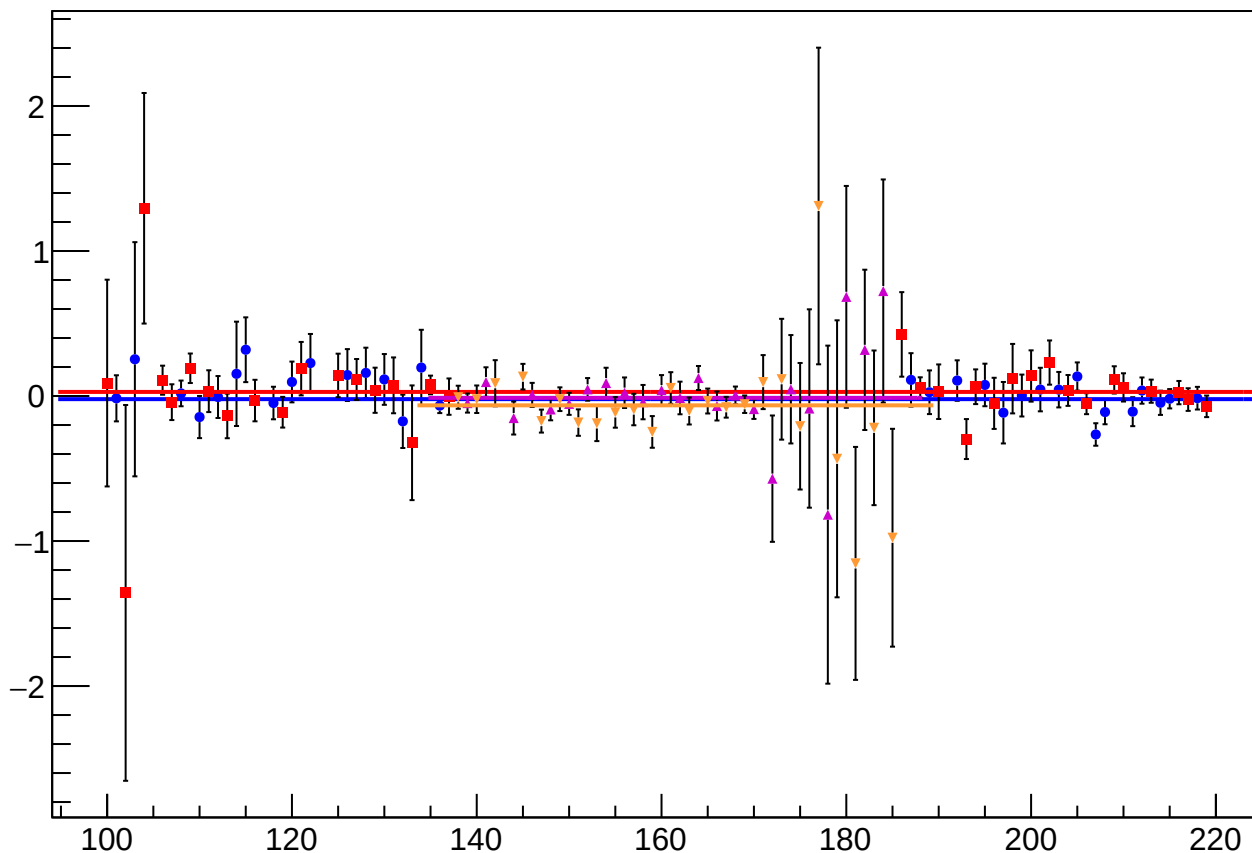
Left In: 0.004 $\pm$ 0.000 χ^2/NDF : 6886421.5/22

+ sign 0.004 $\pm$ 0.000 χ^2/NDF : 24409682.3/55

All: 0.004 $\pm$ 0.000 χ^2/NDF : 47634815.6/113

- sign 0.004 $\pm$ 0.000 χ^2/NDF : 23217912.6/57

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.022 ± 0.020 χ^2/NDF : 28.1/31

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.028 ± 0.019 χ^2/NDF : 28.1/34

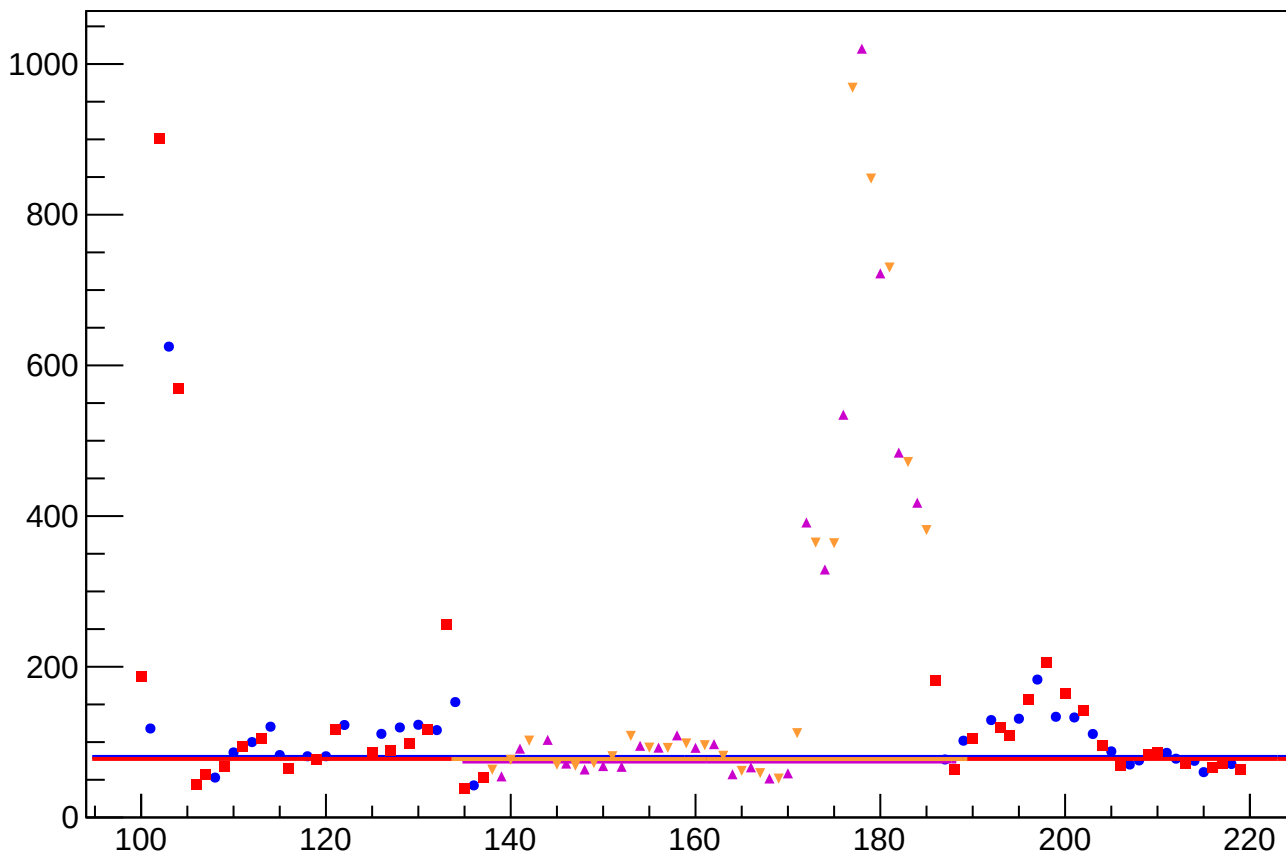
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.041 ± 0.015 χ^2/NDF : 52.4/55

All: -0.015 ± 0.010 χ^2/NDF : 103.5/113

- sign 0.009 ± 0.014 χ^2/NDF : 45.1/57

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 80.334+/-0.014 χ^2/NDF : 4862553.3/31

Left Out: 77.533+/-0.016 χ^2/NDF : 8331106.7/23

Right Out: 77.707+/-0.014 χ^2/NDF : 6230043.8/34

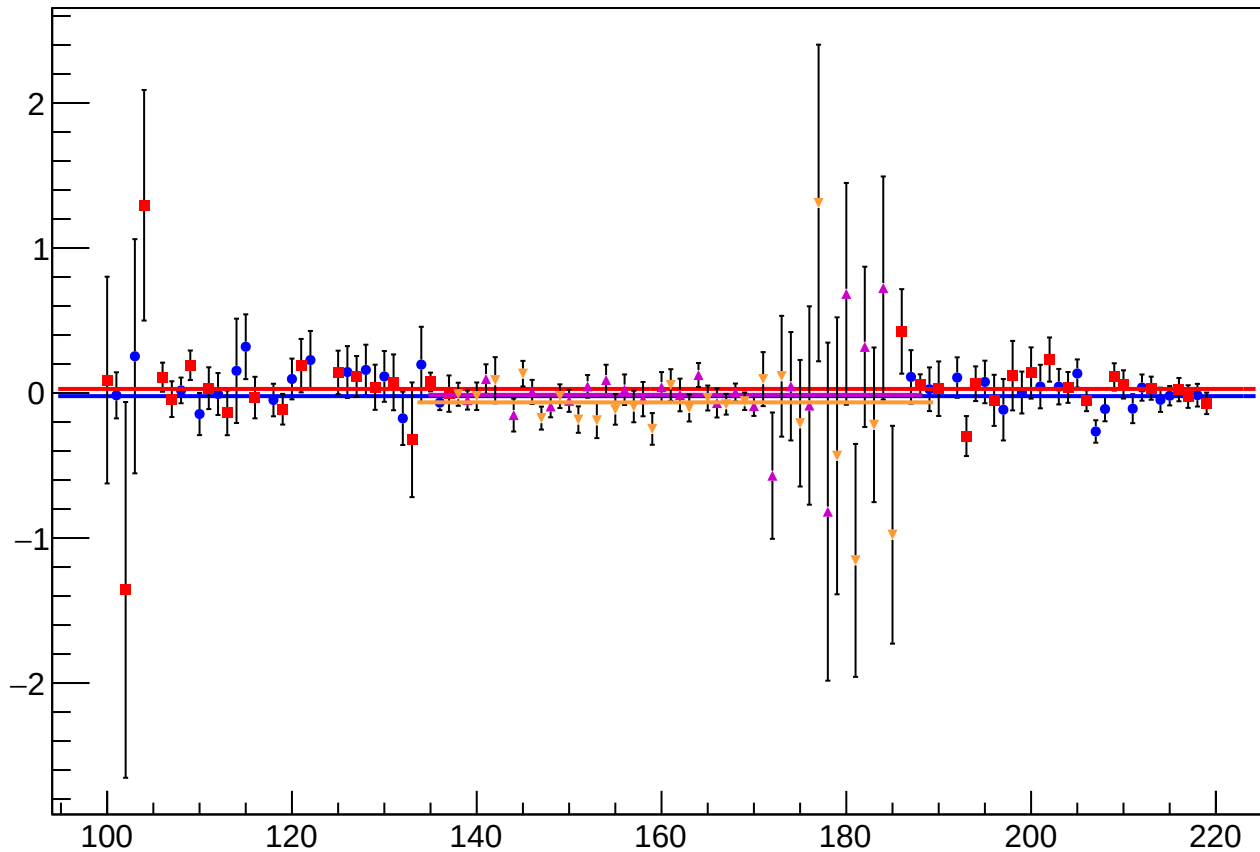
Left In: 74.217+/-0.015 χ^2/NDF : 8513791.3/22

+ sign 79.068+/-0.011 χ^2/NDF : 13211265.1/55

All: 77.531+/-0.007 χ^2/NDF : 28025885.7/113

- sign 76.104+/-0.010 χ^2/NDF : 14773335.4/57

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.022 ± 0.020 χ^2/NDF : 28.1/31

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.028 ± 0.019 χ^2/NDF : 28.1/34

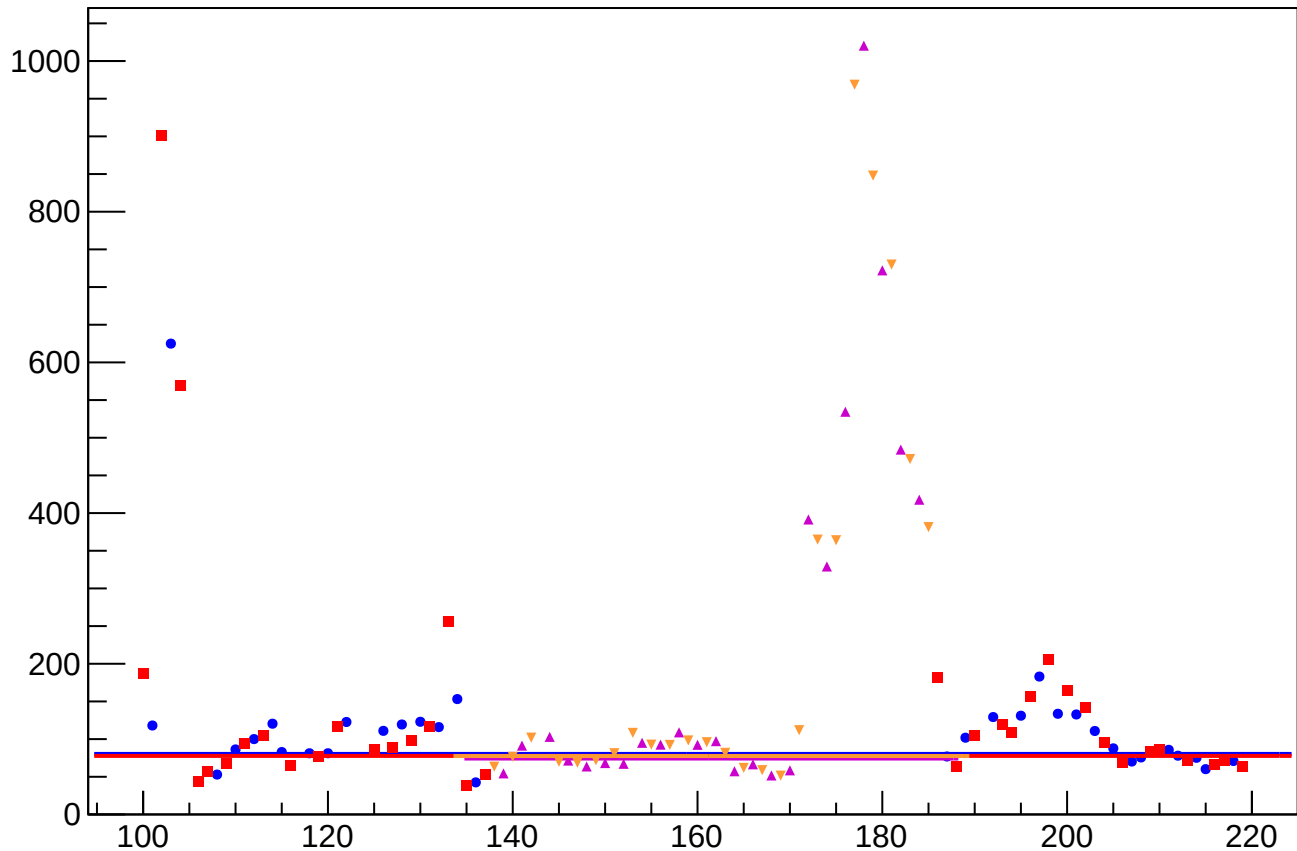
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.041 ± 0.015 χ^2/NDF : 52.4/55

All: -0.015 ± 0.010 χ^2/NDF : 103.5/113

- sign 0.009 ± 0.014 χ^2/NDF : 45.1/57

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 80.334 $\pm$ 0.014 χ^2 /NDF: 4862553.3/31

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF:8331106.7/23

Right Out: 77.707 $\pm$ 0.014 χ^2 /NDF: 6230043.8/34

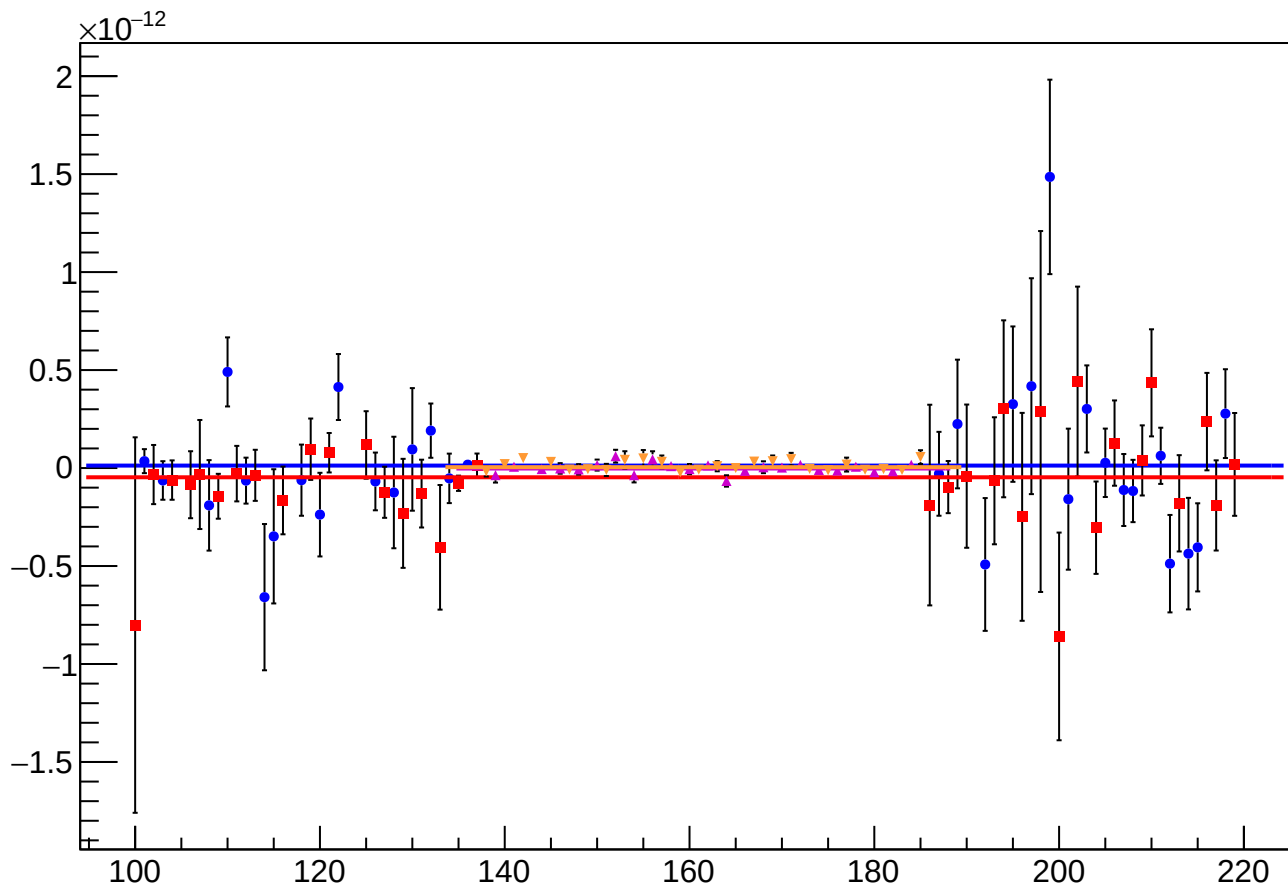
Left In: 74.217 $\pm$ 0.015 χ^2 /NDF:8513791.3/22

+ sign 79.068 $\pm$ 0.011 χ^2 /NDF: 13211265.1/55

All: 77.531 $\pm$ 0.007 χ^2 /NDF: 28025885.7/113

- sign 76.104 $\pm$ 0.010 χ^2 /NDF: 14773335.4/57

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 50.6/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.7/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.8/34

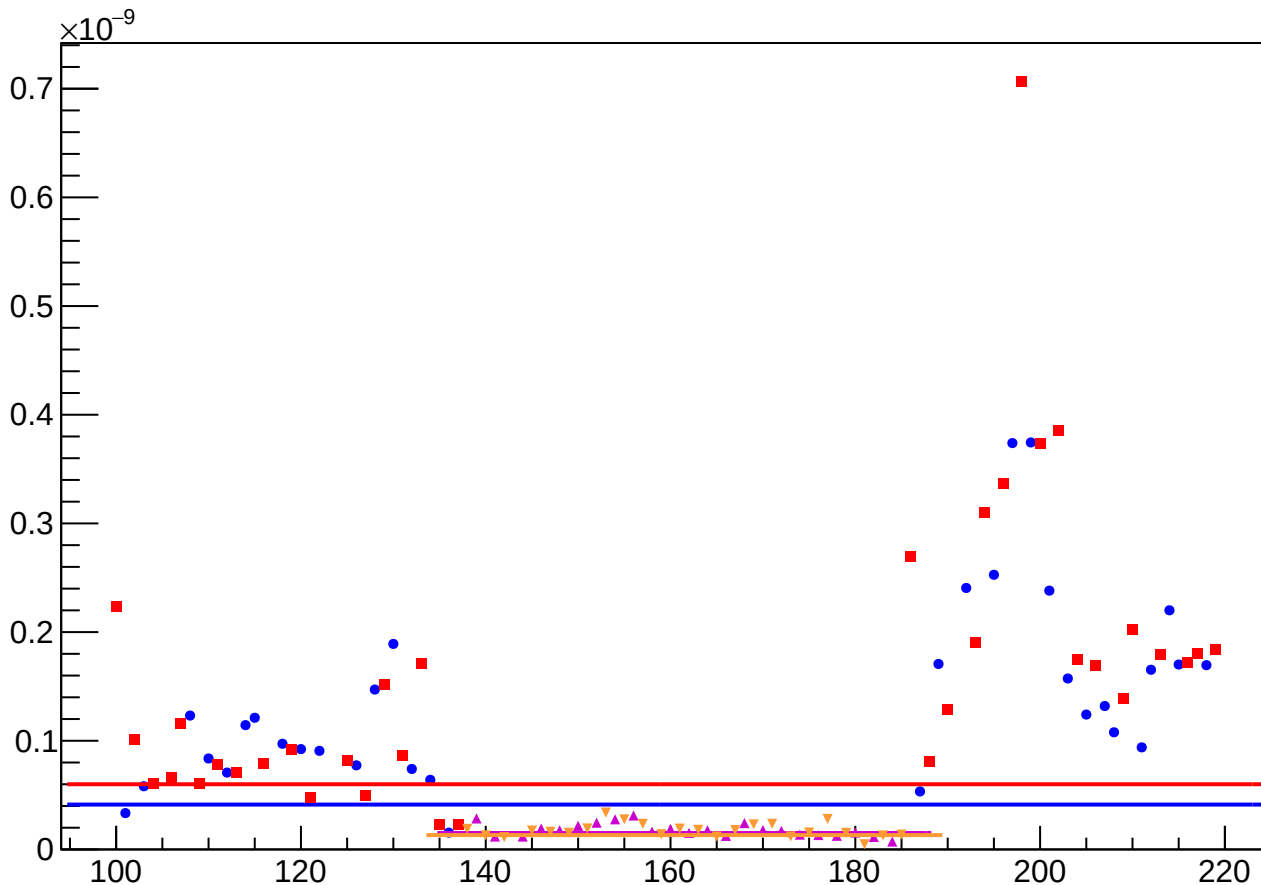
Left In: -0.000 ± 0.000 χ^2/NDF : 17.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 72.5/55

All: 0.000 ± 0.000 χ^2/NDF : 116.5/113

- sign -0.000 ± 0.000 χ^2/NDF : 41.9/57

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 13280001.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 11900325.1/34

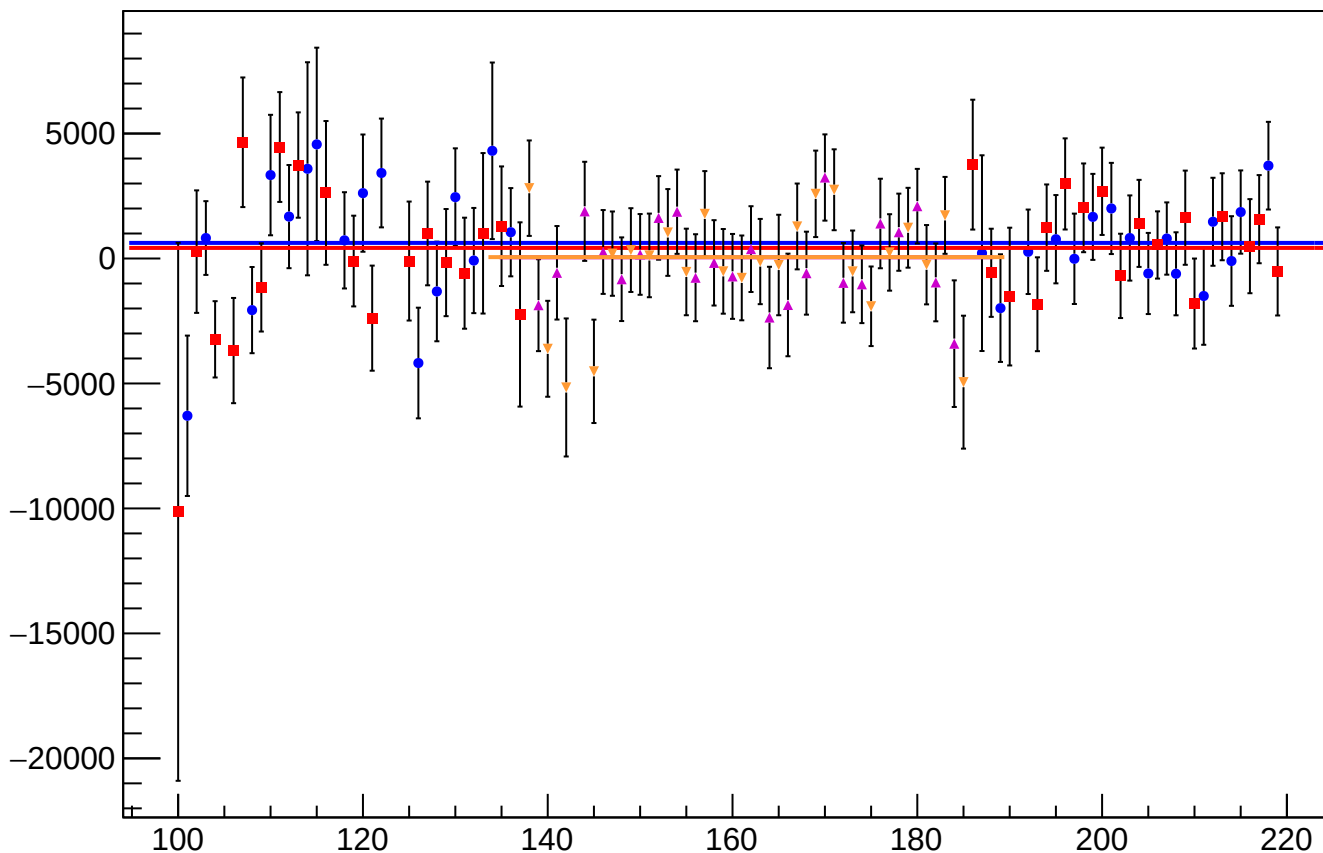
Left In: 0.000+/-0.000 χ^2/NDF : 2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 21960358.2/55

All: 0.000+/-0.000 χ^2/NDF : 43495666.3/113

- sign 0.000+/-0.000 χ^2/NDF : 21289296.7/57

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 624.143 ± 343.588 χ^2/NDF : 29.3/31

Left Out: 54.770 ± 356.375 χ^2/NDF : 28.5/23

Right Out: 423.687 ± 337.052 χ^2/NDF : 35.9/34

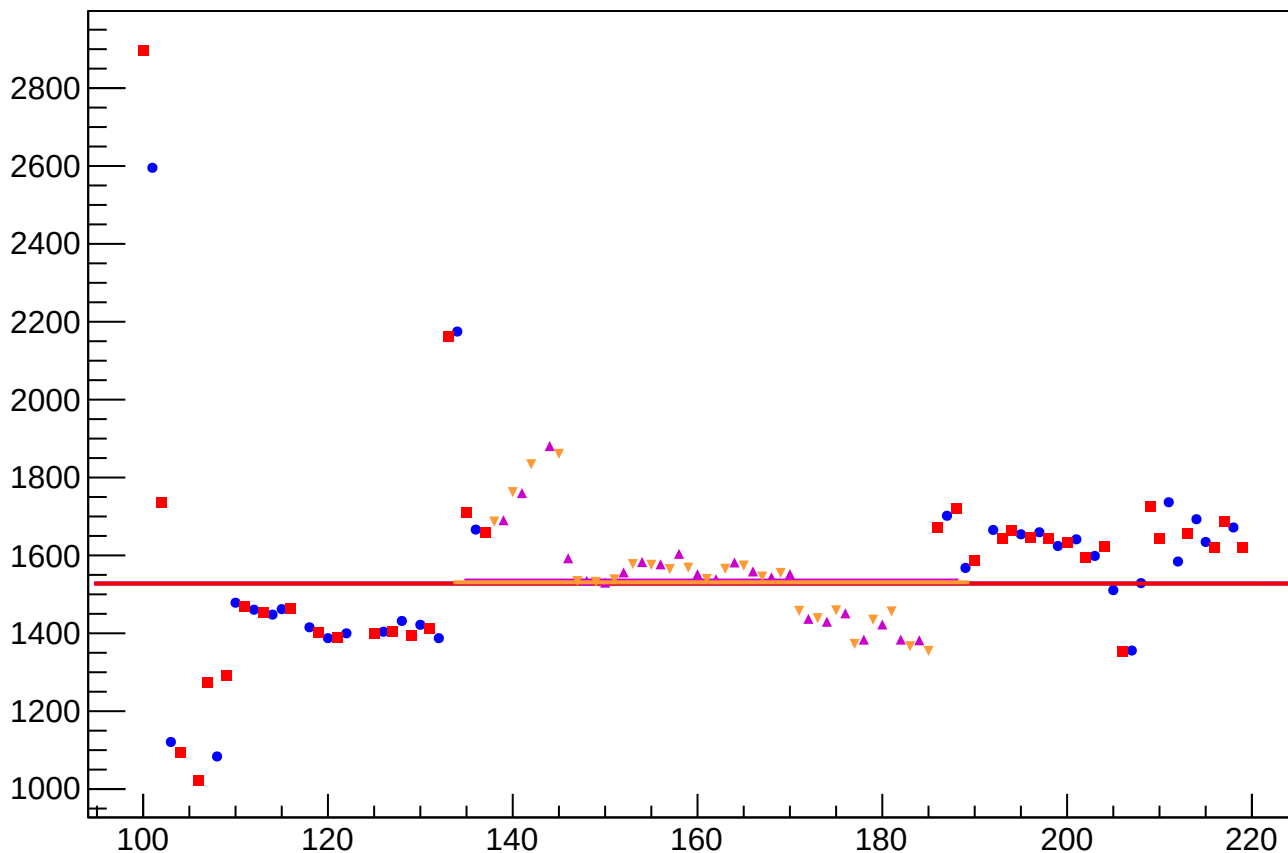
Left In: 48.177 ± 359.531 χ^2/NDF : 16.8/22

+ sign 349.854 ± 247.350 χ^2/NDF : 59.1/55

All: 298.645 ± 174.386 χ^2/NDF : 112.4/113

- sign 248.037 ± 245.895 χ^2/NDF : 53.3/57

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1527.844+/-0.243 χ^2/NDF : 784628.6/31

Left Out: 1530.976+/-0.252 χ^2/NDF : 203539.8/23

Right Out: 1527.739+/-0.238 χ^2/NDF : 706873.0/34

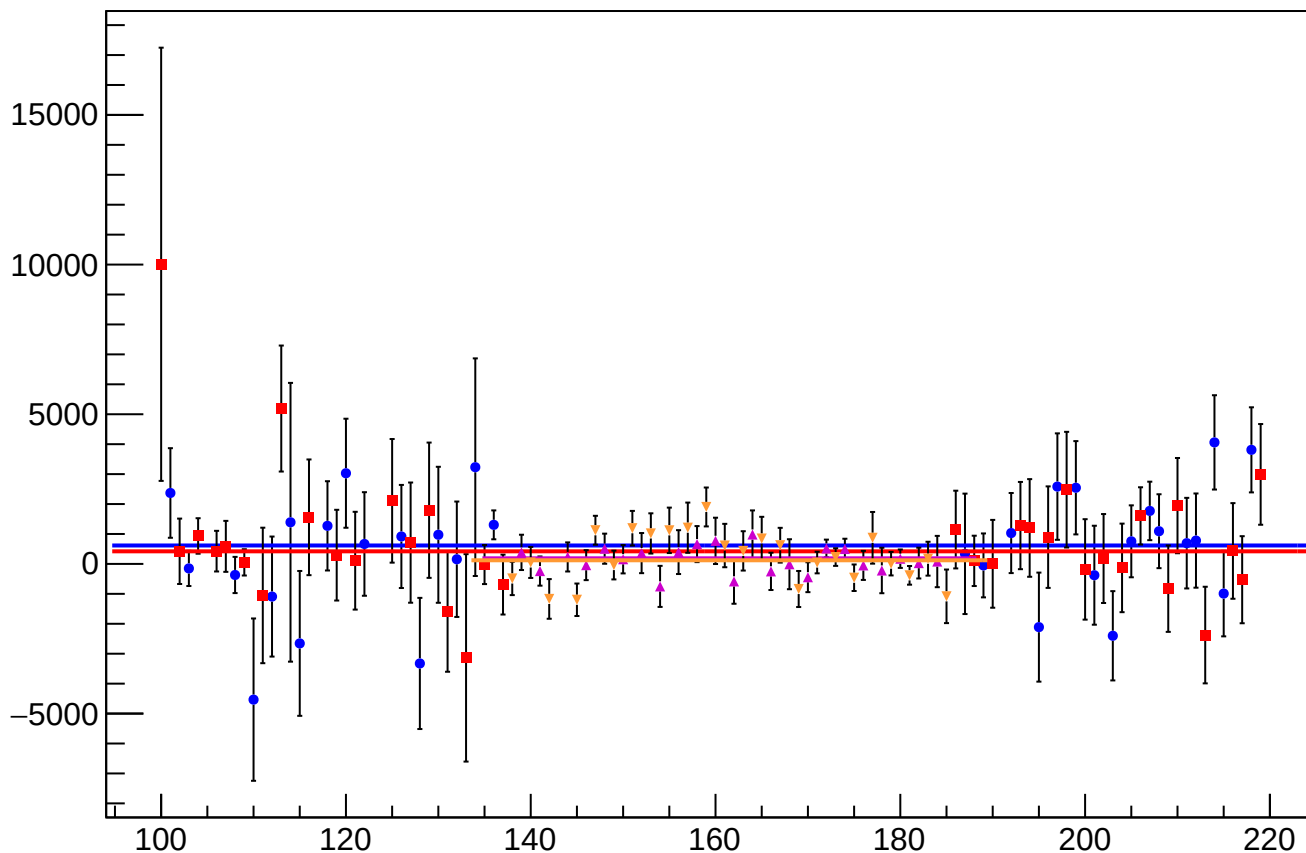
Left In: 1535.551+/-0.254 χ^2/NDF : 192432.7/22

+ sign 1529.353+/-0.175 χ^2/NDF : 988248.3/55

All: 1530.379+/-0.123 χ^2/NDF : 1888125.0/11

- sign 1531.393+/-0.174 χ^2/NDF : 899808.2/57

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug



Right In: 615.815 ± 216.736 $\chi^2/\text{NDF}: 42.4/31$

Left Out: 121.327 ± 105.060 $\chi^2/\text{NDF}: 43.6/23$

Right Out: 420.401 ± 192.191 $\chi^2/\text{NDF}: 25.6/34$

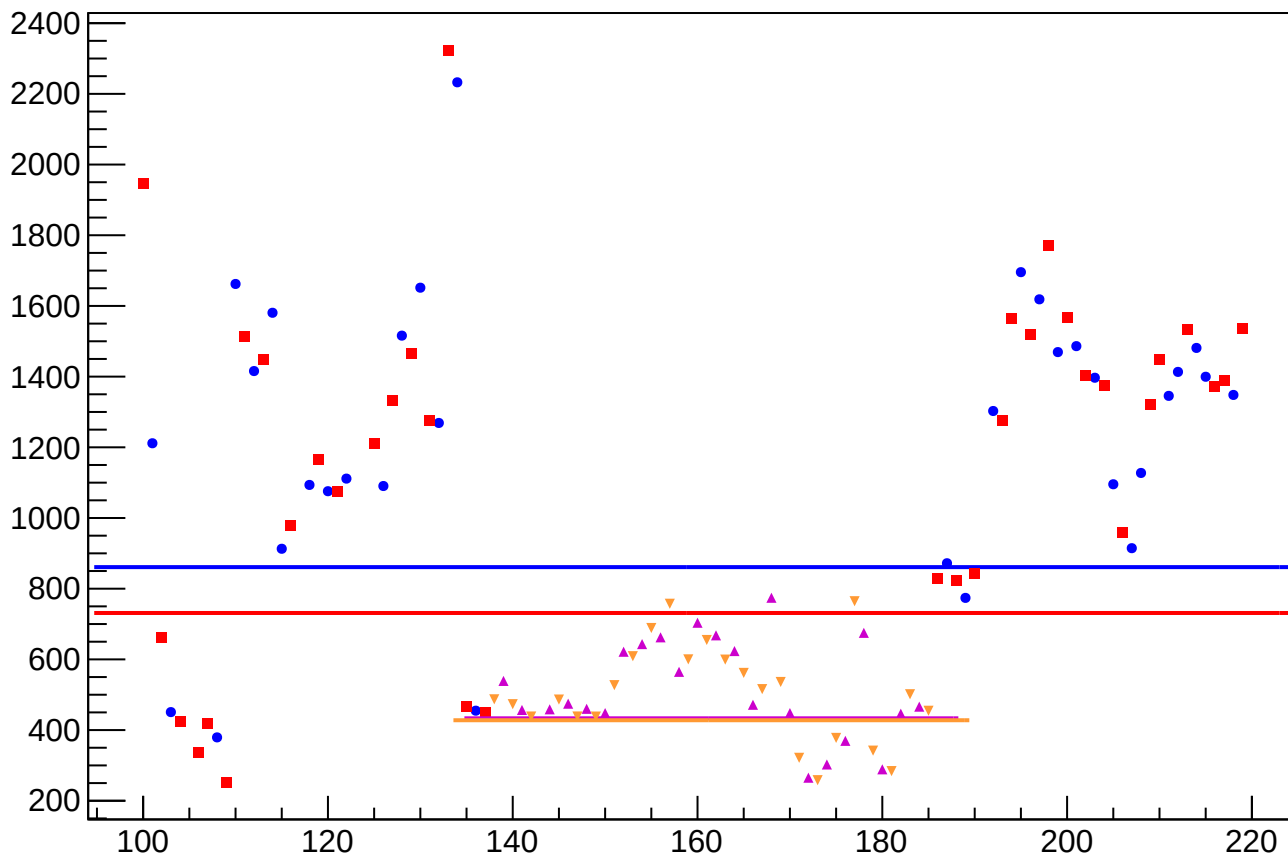
Left In: 186.828 ± 106.975 $\chi^2/\text{NDF}: 11.6/22$

+ sign 215.410 ± 94.538 $\chi^2/\text{NDF}: 90.2/55$

All: 228.894 ± 66.468 $\chi^2/\text{NDF}: 128.6/113$

- sign 242.075 ± 93.471 $\chi^2/\text{NDF}: 38.3/57$

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 861.033+/-0.153 χ^2/NDF : 8412267.7/31

Left Out: 427.814+/-0.074 χ^2/NDF : 3188159.5/23

Right Out: 731.276+/-0.136 χ^2/NDF : 11944672.6/34

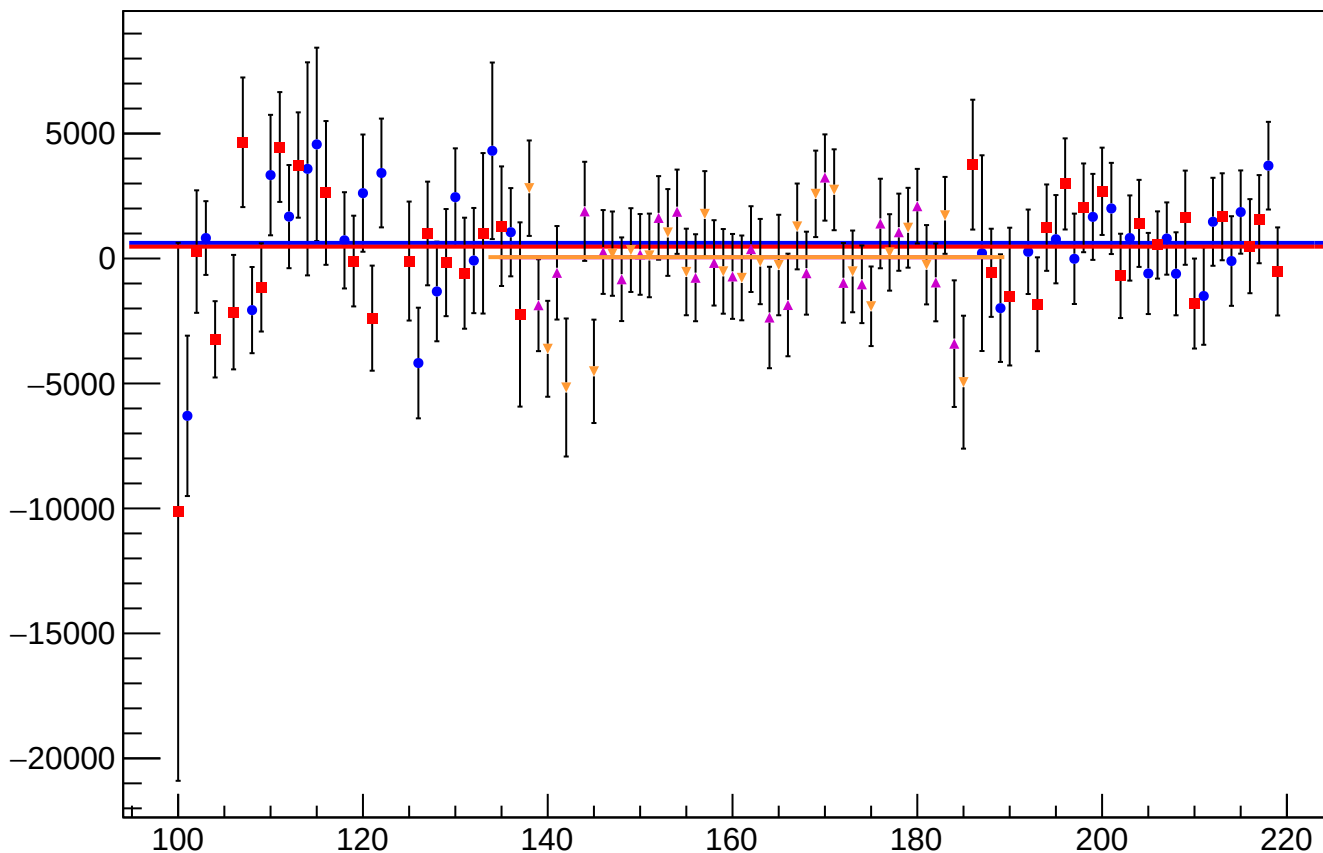
Left In: 433.283+/-0.076 χ^2/NDF : 3247998.9/22

+ sign 510.240+/-0.067 χ^2/NDF : 18070772.2/55

All: 506.967+/-0.047 χ^2/NDF : 36939007.1/11

- sign 503.768+/-0.066 χ^2/NDF : 18863495.2/57

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 624.180 $\pm$ 343.588 χ^2/NDF : 29.3/31

Left Out: 54.734 $\pm$ 356.375 χ^2/NDF : 28.5/23

Right Out: 473.587 $\pm$ 337.722 χ^2/NDF : 33.3/34

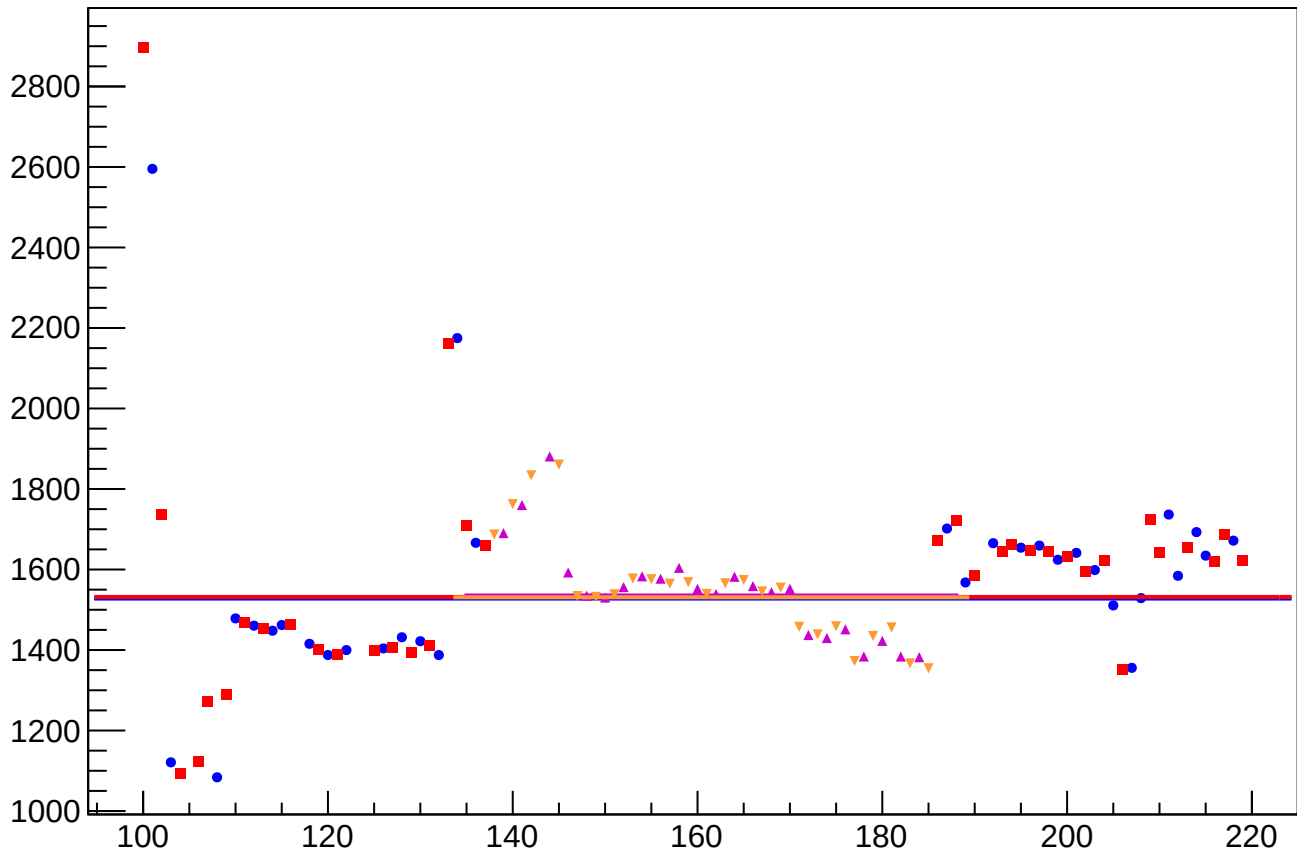
Left In: 48.256 $\pm$ 359.531 χ^2/NDF : 16.8/22

+ sign 349.856 $\pm$ 247.350 χ^2/NDF : 59.1/55

All: 311.851 $\pm$ 174.479 χ^2/NDF : 110.0/113

- sign 274.212 $\pm$ 246.154 χ^2/NDF : 50.8/57

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1527.844+/-0.243 χ^2/NDF : 784628.9/31

Left Out: 1530.976+/-0.252 χ^2/NDF : 203539.7/23

Right Out: 1531.906+/-0.239 χ^2/NDF : 654318.3/34

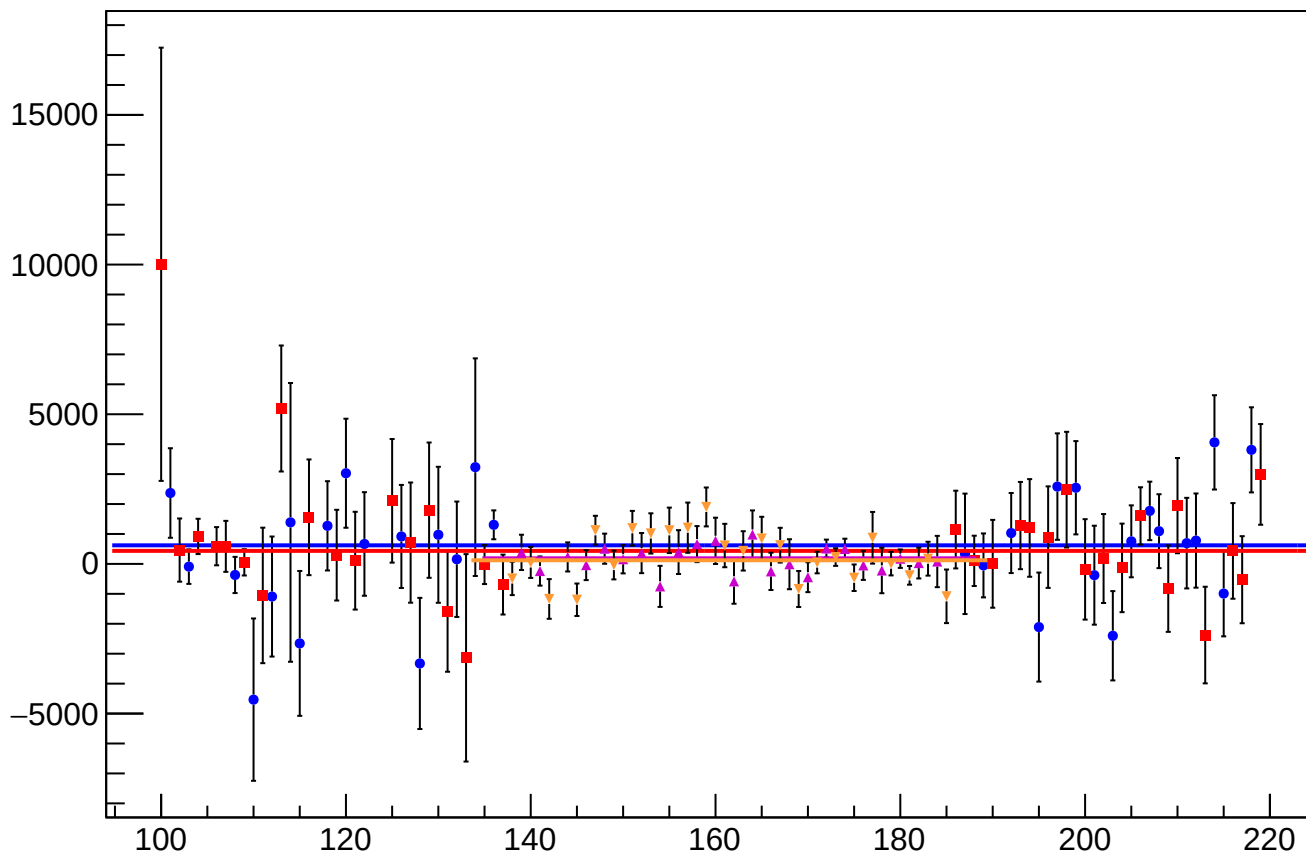
Left In: 1535.551+/-0.254 χ^2/NDF : 192432.7/22

+ sign 1529.353+/-0.175 χ^2/NDF : 988248.7/55

All: 1531.494+/-0.123 χ^2/NDF : 1835407.1/11

- sign 1533.615+/-0.174 χ^2/NDF : 846860.1/57

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug



Right In: 620.222 ± 216.162 $\chi^2/\text{NDF}: 42.2/31$

Left Out: 121.325 ± 105.060 $\chi^2/\text{NDF}: 43.7/23$

Right Out: 435.692 ± 190.855 $\chi^2/\text{NDF}: 25.6/34$

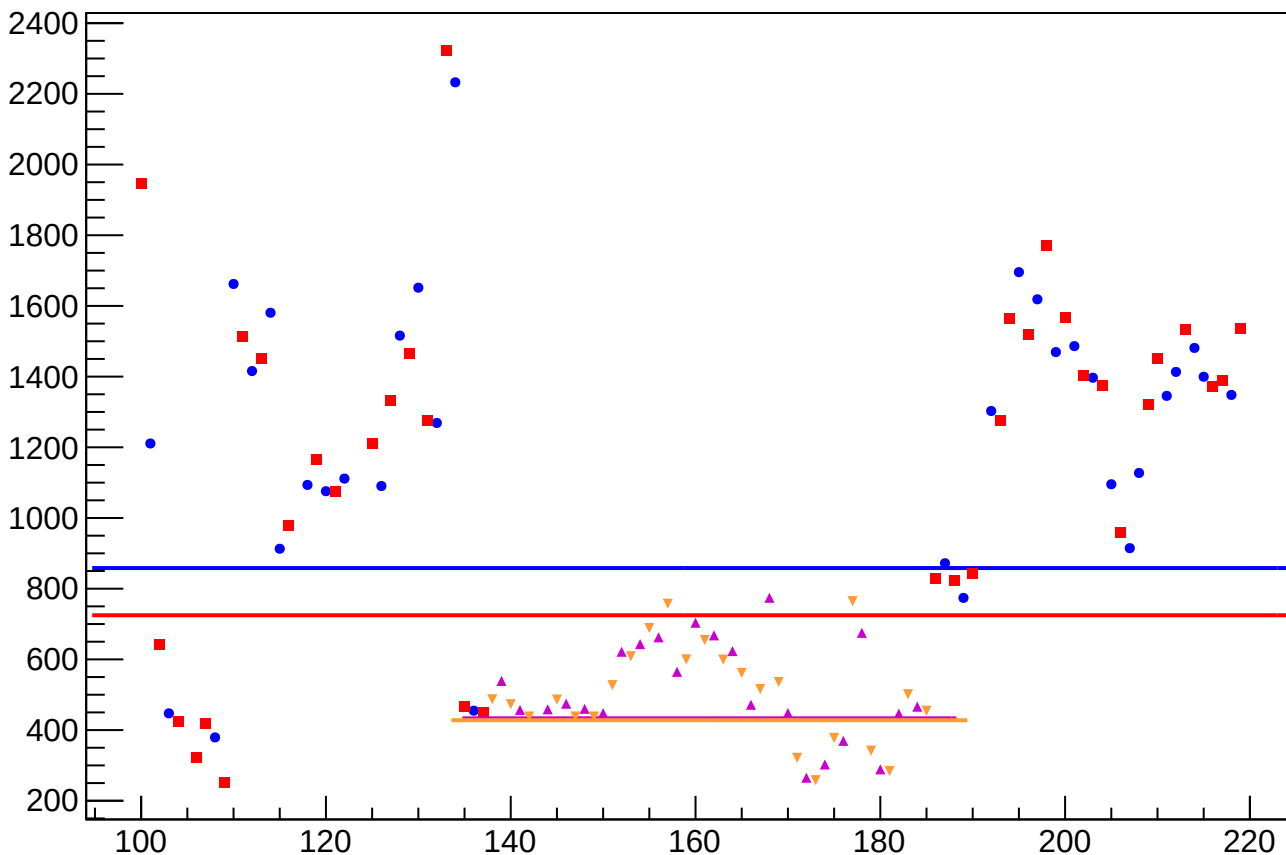
Left In: 187.037 ± 106.975 $\chi^2/\text{NDF}: 11.6/22$

+ sign 216.656 ± 94.491 $\chi^2/\text{NDF}: 90.2/55$

All: 231.755 ± 66.396 $\chi^2/\text{NDF}: 128.7/113$

- sign 246.480 ± 93.317 $\chi^2/\text{NDF}: 38.5/57$

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 858.365 $\pm$ 0.153 χ^2/NDF : 8467285.0/31

Left Out: 427.814 $\pm$ 0.074 χ^2/NDF : 3188396.1/23

Right Out: 724.773 $\pm$ 0.135 χ^2/NDF : 12096028.4/34

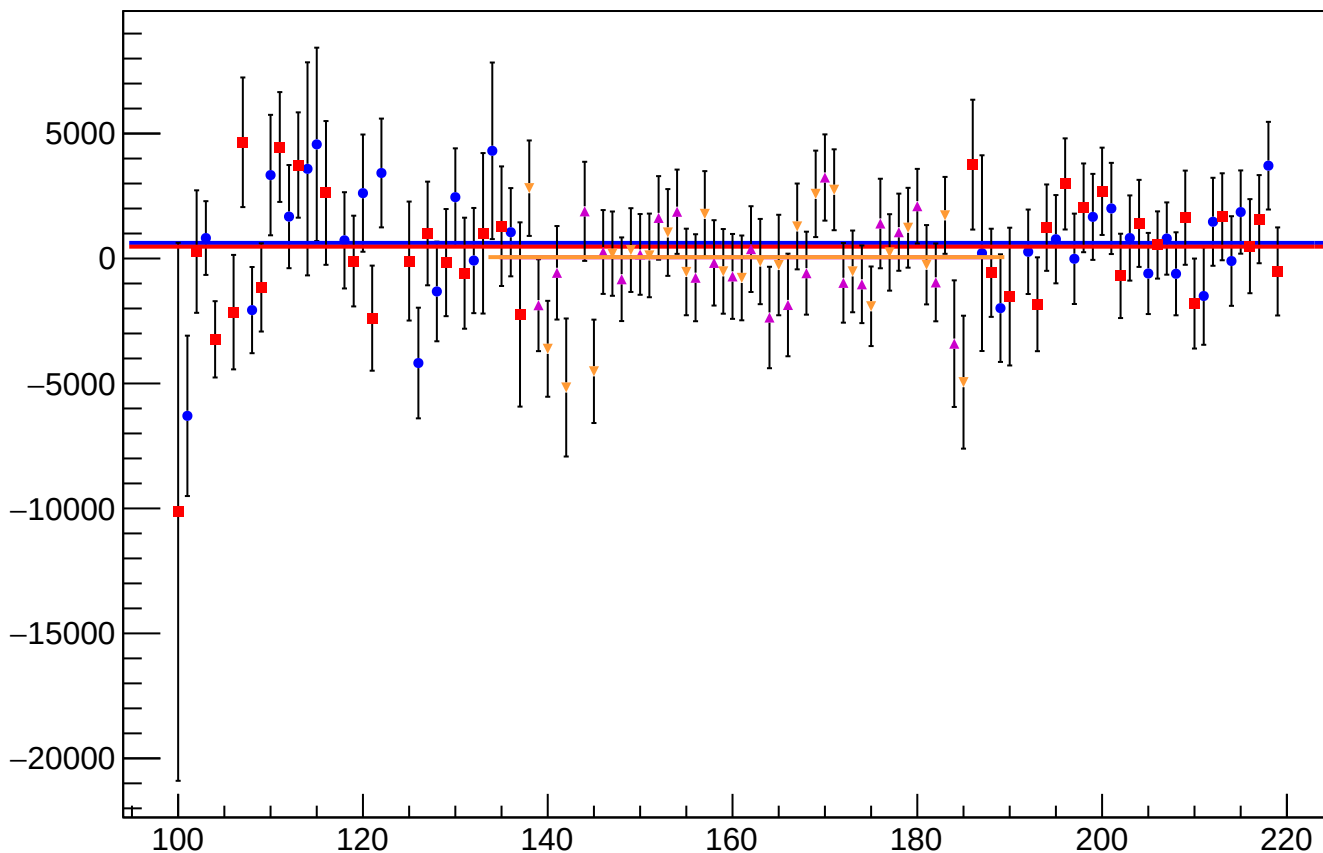
Left In: 433.285 $\pm$ 0.076 χ^2/NDF : 3247871.5/22

+ sign 510.085 $\pm$ 0.067 χ^2/NDF : 18074024.4/55

All: 506.482 $\pm$ 0.047 χ^2/NDF : 36973546.7/11

- sign 502.968 $\pm$ 0.066 χ^2/NDF : 18893779.6/57

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 624.180 ± 343.588 χ^2/NDF : 29.3/31

Left Out: 54.734 ± 356.375 χ^2/NDF : 28.5/23

Right Out: 473.587 ± 337.722 χ^2/NDF : 33.3/34

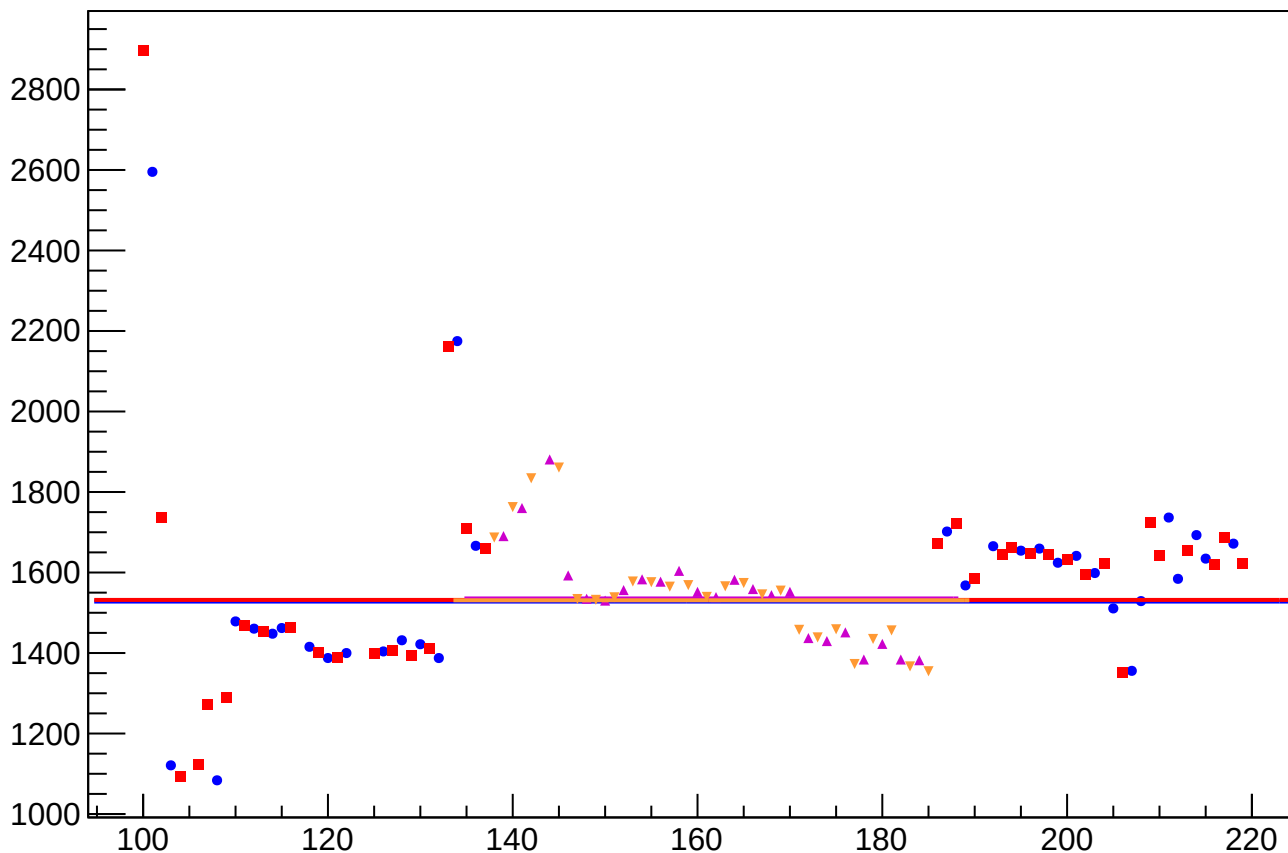
Left In: 48.256 ± 359.531 χ^2/NDF : 16.8/22

+ sign 349.856 ± 247.350 χ^2/NDF : 59.1/55

All: 311.851 ± 174.479 χ^2/NDF : 110.0/113

- sign 274.212 ± 246.154 χ^2/NDF : 50.8/57

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1527.844+/-0.243 χ^2/NDF : 784628.9/31

Left Out: 1530.976+/-0.252 χ^2/NDF : 203539.7/23

Right Out: 1531.906+/-0.239 χ^2/NDF : 654318.3/34

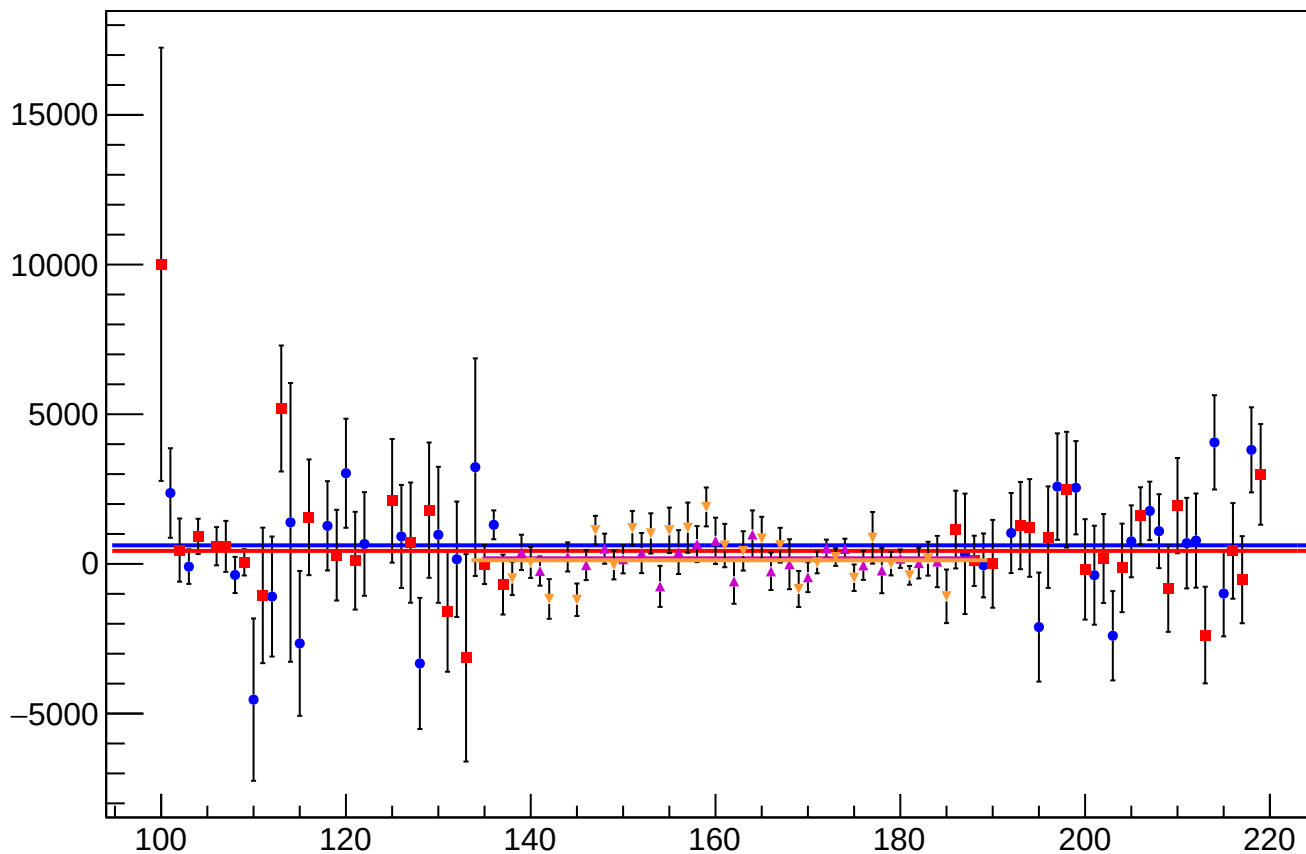
Left In: 1535.551+/-0.254 χ^2/NDF : 192432.7/22

+ sign 1529.353+/-0.175 χ^2/NDF : 988248.7/55

All: 1531.494+/-0.123 χ^2/NDF : 1835407.1/11

- sign 1533.615+/-0.174 χ^2/NDF : 846860.1/57

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 620.222 ± 216.162 χ^2/NDF : 42.2/31

Left Out: 121.325 ± 105.060 χ^2/NDF : 43.7/23

Right Out: 435.692 ± 190.855 χ^2/NDF : 25.6/34

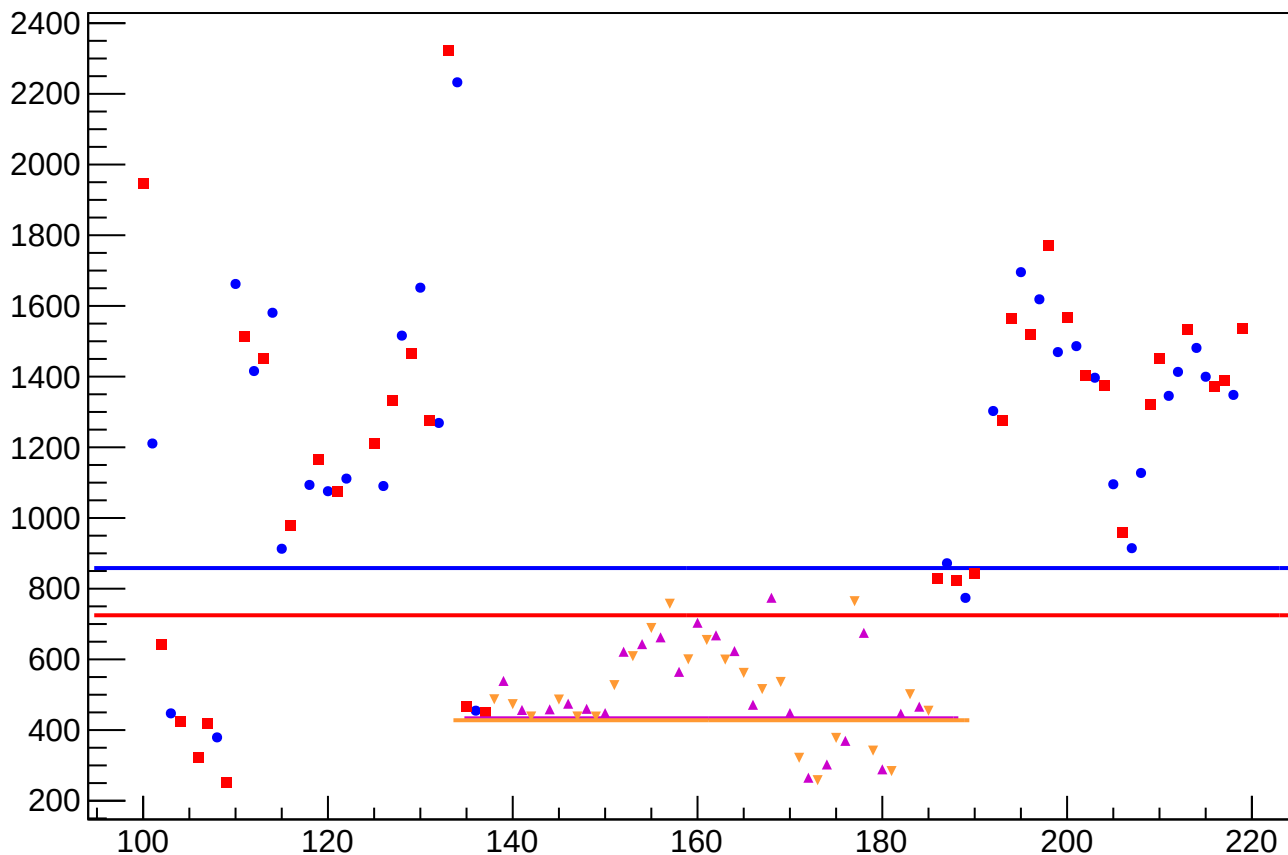
Left In: 187.037 ± 106.975 χ^2/NDF : 11.6/22

+ sign 216.656 ± 94.491 χ^2/NDF : 90.2/55

All: 231.755 ± 66.396 χ^2/NDF : 128.7/113

- sign 246.480 ± 93.317 χ^2/NDF : 38.5/57

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 858.365 $\pm$ 0.153 χ^2 /NDF: 8467285.0/31

Left Out: 427.814 $\pm$ 0.074 χ^2 /NDF:3188396.1/23

Right Out: 724.773 $\pm$ 0.135 χ^2 /NDF: 12096028.4/34

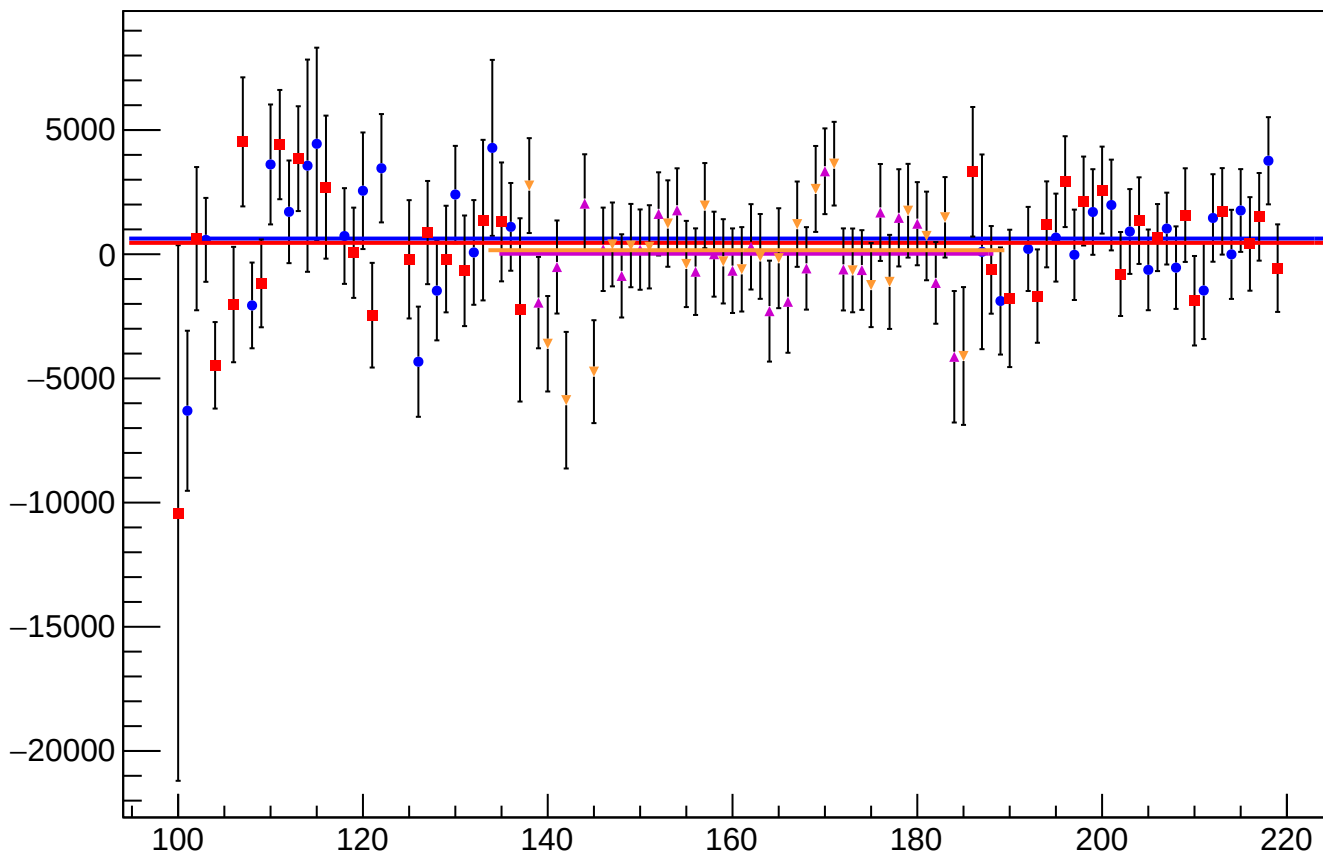
Left In: 433.285 $\pm$ 0.076 χ^2 /NDF:3247871.5/22

+ sign 510.085 $\pm$ 0.067 χ^2 /NDF: 18074024.4/55

All: 506.482 $\pm$ 0.047 χ^2 /NDF: 36973546.7/11

- sign 502.968 $\pm$ 0.066 χ^2 /NDF: 18893779.6/57

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 630.518 ± 346.318 χ^2/NDF : 29.6/31

Left Out: 161.591 ± 368.366 χ^2/NDF : 29.9/23

Right Out: 458.023 ± 341.256 χ^2/NDF : 35.0/34

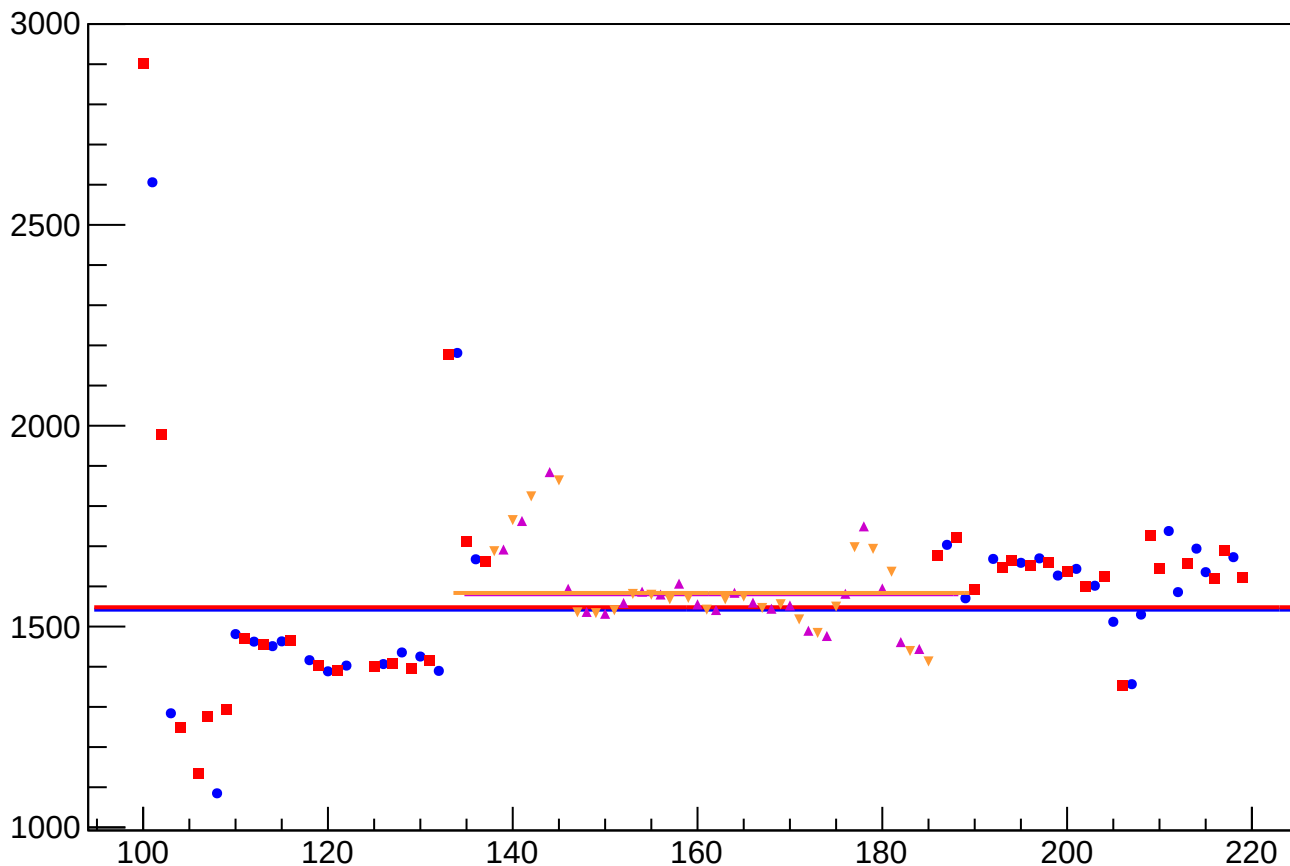
Left In: 20.252 ± 369.781 χ^2/NDF : 16.0/22

+ sign 410.507 ± 252.318 χ^2/NDF : 60.4/55

All: 333.120 ± 177.871 χ^2/NDF : 112.4/113

- sign 256.671 ± 250.783 χ^2/NDF : 51.8/57

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1542.132 $\pm$ 0.245 χ^2 /NDF: 675626.6/31

Left Out: 1583.673 $\pm$ 0.260 χ^2 /NDF:133583.1/23

Right Out: 1548.060 $\pm$ 0.241 χ^2 /NDF: 572018.4/34

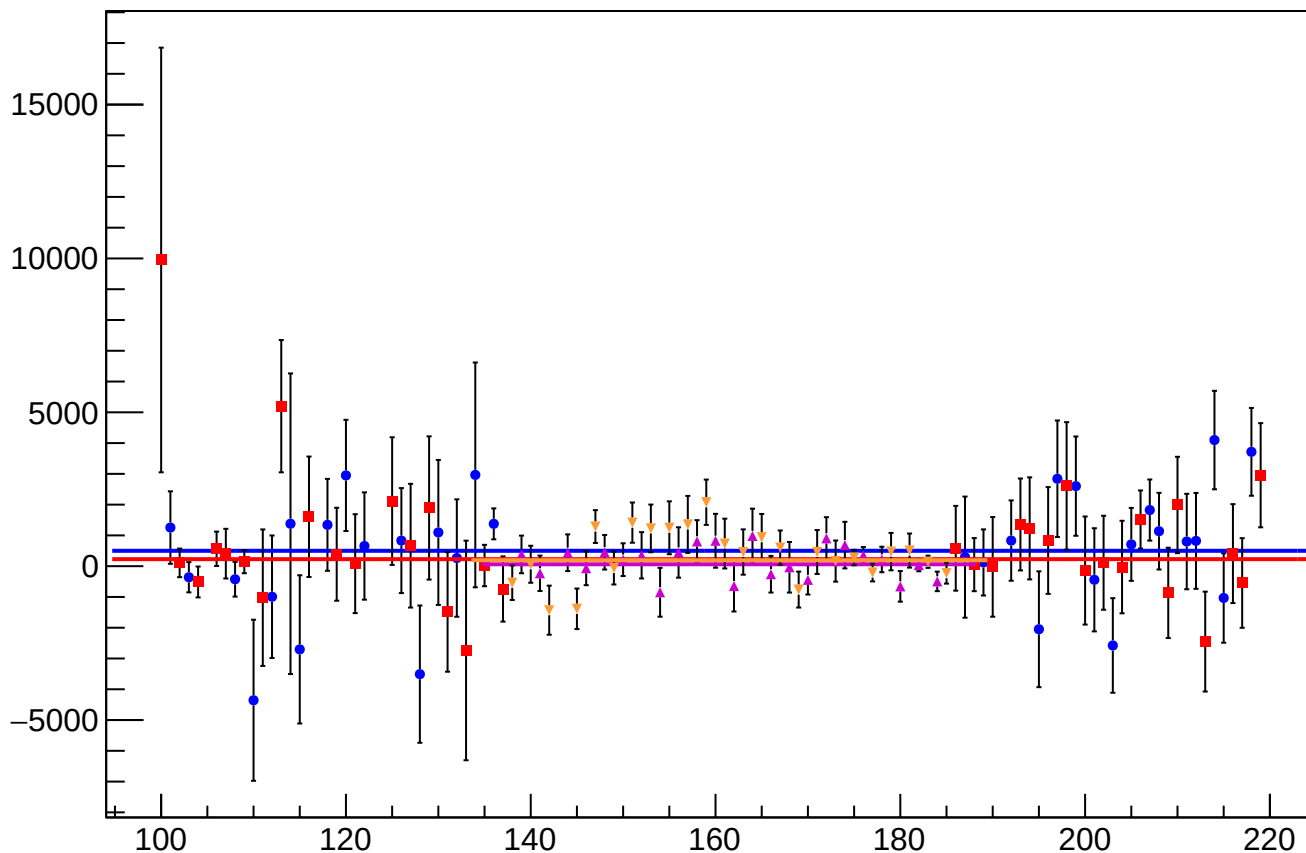
Left In: 1580.464 $\pm$ 0.261 χ^2 /NDF:125745.6/22

+ sign 1561.622 $\pm$ 0.178 χ^2 /NDF: 822710.9/55

All: 1562.297 $\pm$ 0.126 χ^2 /NDF: 1528797.7/11

- sign 1562.964 $\pm$ 0.177 χ^2 /NDF: 706058.4/57

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug



Right In: 499.929 $\pm$ 209.787 χ^2 /NDF: 44.0/31

Left Out: 193.307 $\pm$ 95.894 χ^2 /NDF:40.1/23

Right Out: 228.116 $\pm$ 170.360 χ^2 /NDF: 26.6/34

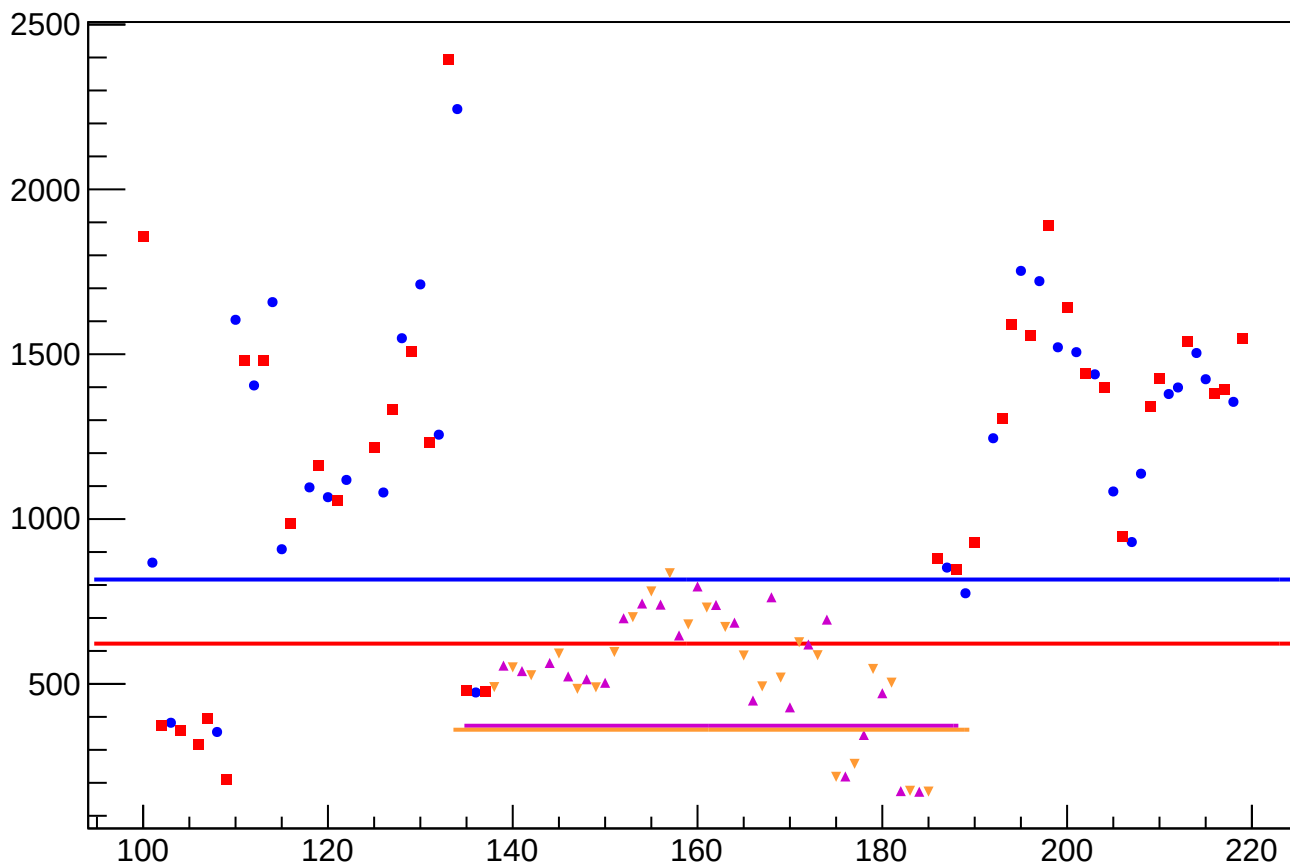
Left In: 62.183 $\pm$ 99.717 χ^2 /NDF:17.0/22

+ sign 246.300 $\pm$ 87.214 χ^2 /NDF: 85.8/55

All: 174.468 $\pm$ 61.257 χ^2 /NDF: 131.4/113

- sign 104.526 $\pm$ 86.059 χ^2 /NDF: 44.3/57

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 816.626+/-0.148 χ^2/NDF : 9414100.2/31

Left Out: 361.100+/-0.068 χ^2/NDF : 8183123.9/23

Right Out: 622.213+/-0.120 χ^2/NDF : 14910796.2/34

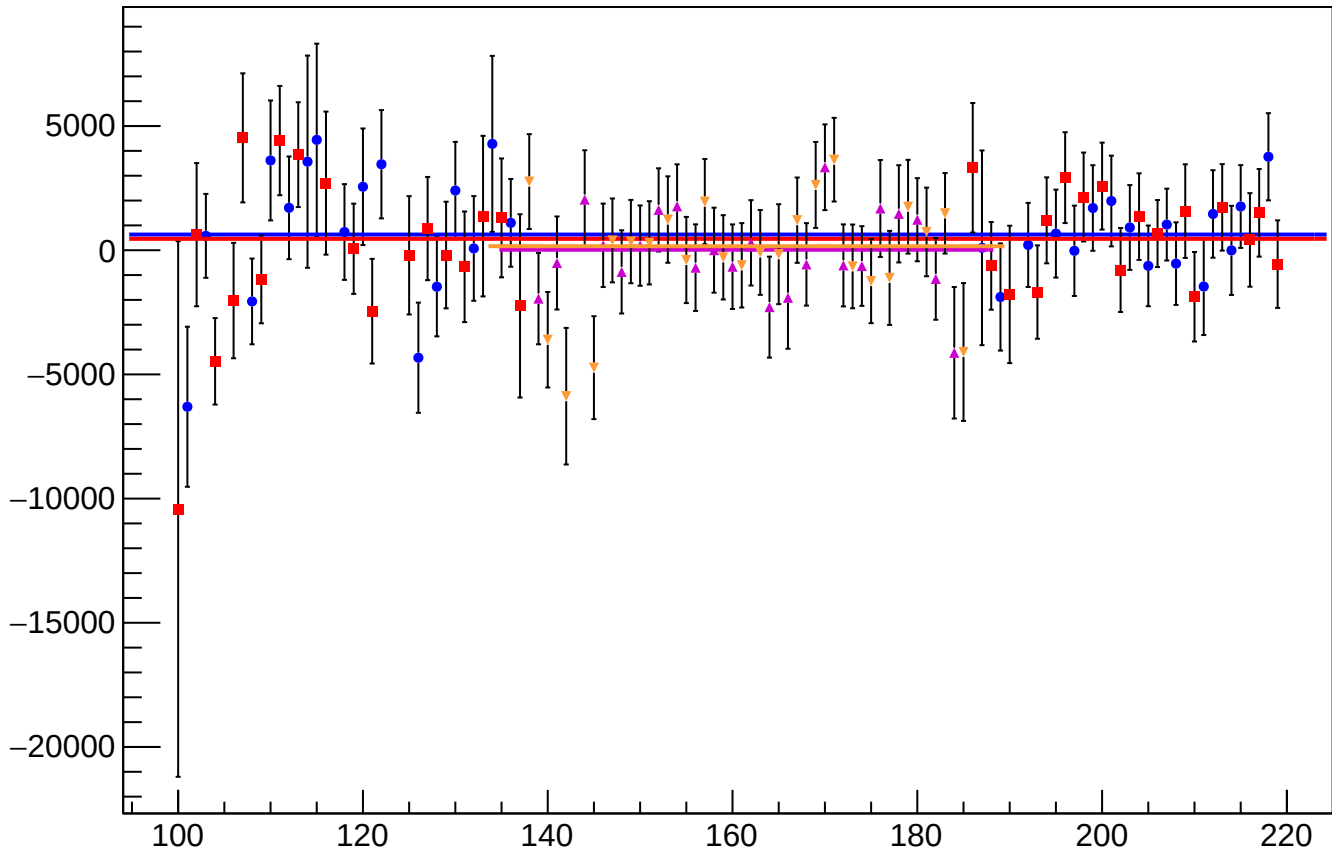
Left In: 373.140+/-0.071 χ^2/NDF : 8207354.5/22

+ sign 439.828+/-0.062 χ^2/NDF : 25397222.8/55

All: 438.243+/-0.043 χ^2/NDF : 51700850.5/11

- sign 436.699+/-0.061 χ^2/NDF : 26302323.9/57

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 630.510 ± 346.318 χ^2/NDF : 29.6/31

Left Out: 161.587 ± 368.366 χ^2/NDF : 29.9/23

Right Out: 458.022 ± 341.256 χ^2/NDF : 35.0/34

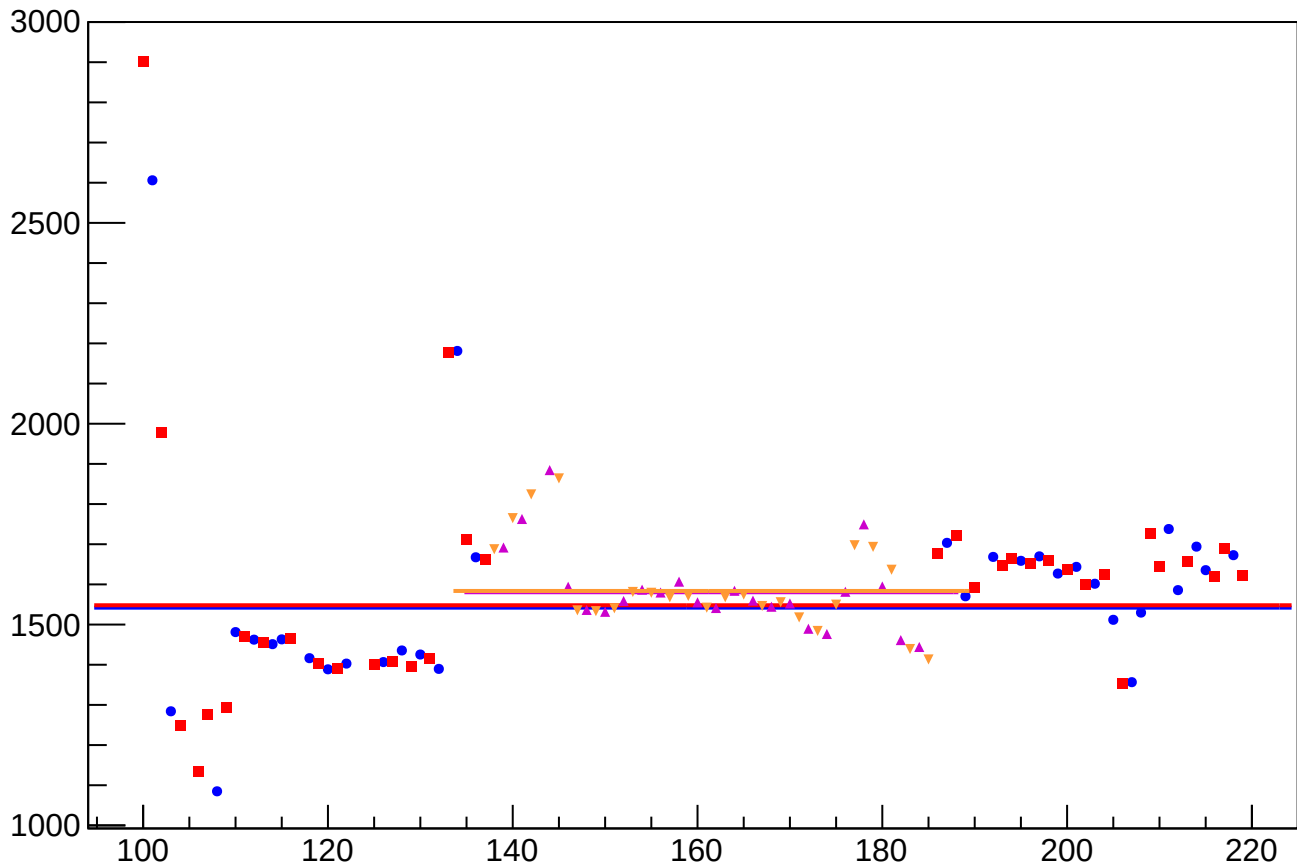
Left In: 20.250 ± 369.781 χ^2/NDF : 16.0/22

+ sign 410.501 ± 252.318 χ^2/NDF : 60.4/55

All: 333.116 ± 177.871 χ^2/NDF : 112.4/113

- sign 256.670 ± 250.783 χ^2/NDF : 51.8/57

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1542.132 $\pm$ 0.245 χ^2 /NDF: 675626.1/31

Left Out: 1583.673 $\pm$ 0.260 χ^2 /NDF: 133583.3/23

Right Out: 1548.060 $\pm$ 0.241 χ^2 /NDF: 572018.4/34

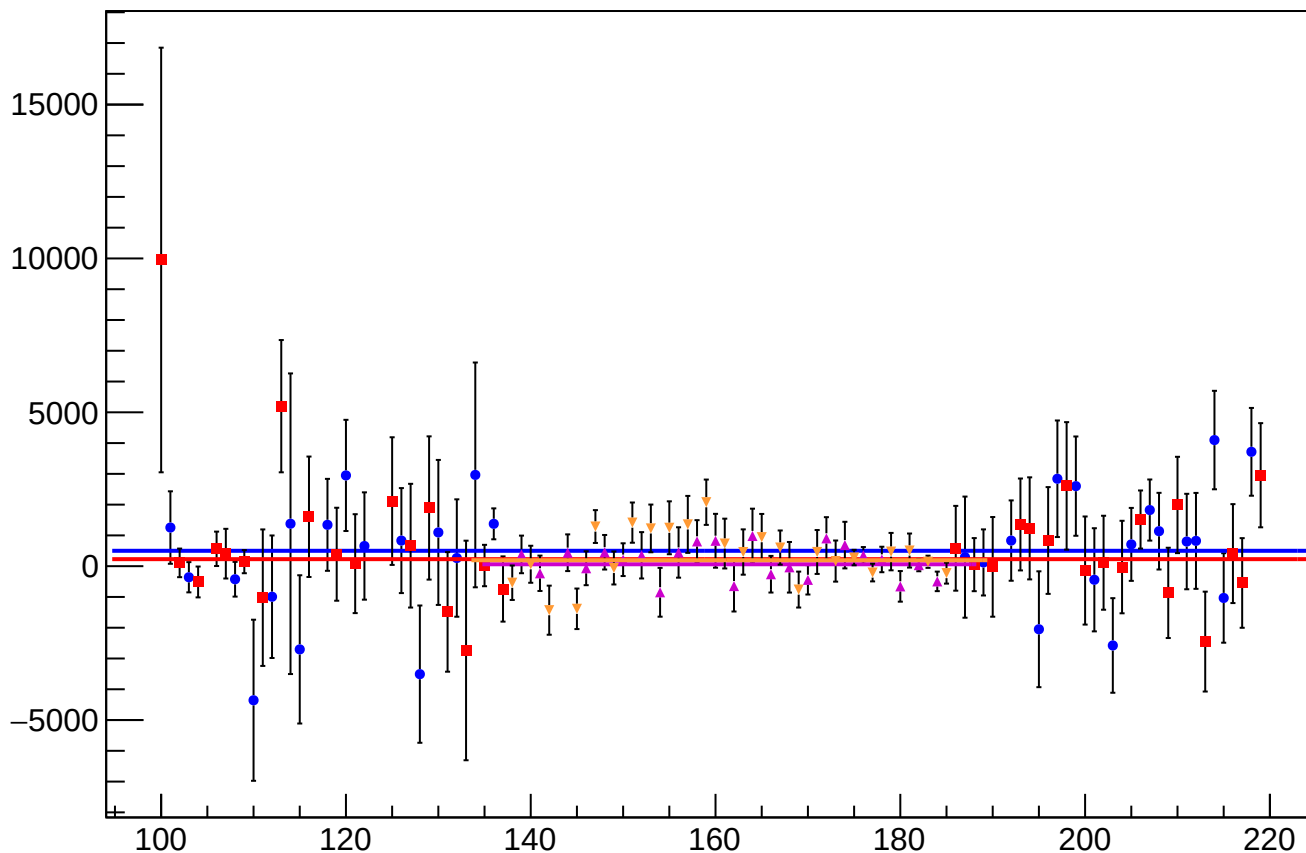
Left In: 1580.464 $\pm$ 0.261 χ^2 /NDF: 125745.6/22

+ sign 1561.622 $\pm$ 0.178 χ^2 /NDF: 822710.4/55

All: 1562.297 $\pm$ 0.126 χ^2 /NDF: 1528797.1/11

- sign 1562.964 $\pm$ 0.177 χ^2 /NDF: 706058.2/57

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 499.926 $\pm$ 209.786 χ^2 /NDF: 44.0/31

Left Out: 193.312 $\pm$ 95.894 χ^2 /NDF:40.1/23

Right Out: 228.115 $\pm$ 170.361 χ^2 /NDF: 26.6/34

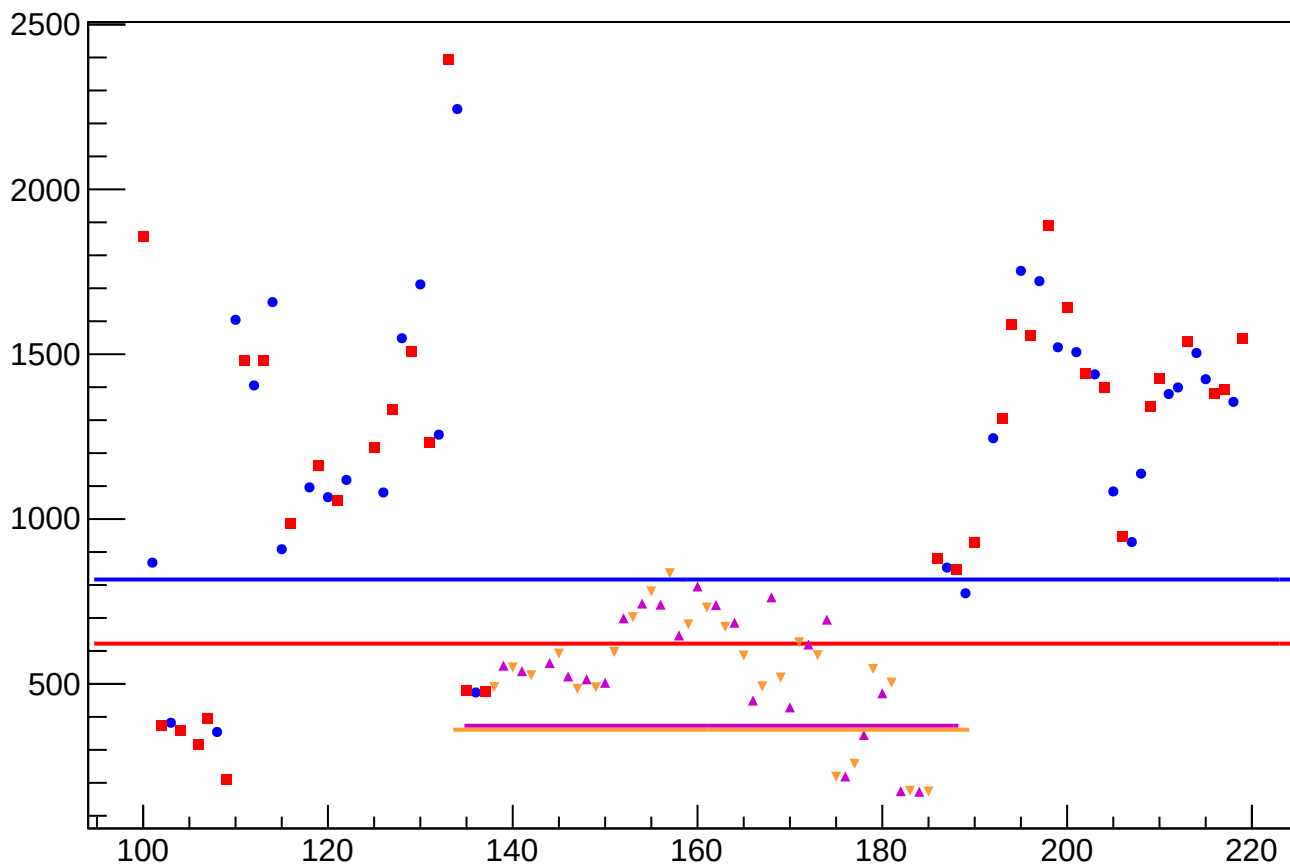
Left In: 62.181 $\pm$ 99.718 χ^2 /NDF:17.0/22

+ sign 246.305 $\pm$ 87.215 χ^2 /NDF: 85.8/55

All: 174.469 $\pm$ 61.257 χ^2 /NDF: 131.4/113

- sign 104.524 $\pm$ 86.059 χ^2 /NDF: 44.3/57

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 816.623+/-0.148 χ^2/NDF : 9414113.1/31

Left Out: 361.103+/-0.068 χ^2/NDF : 8182968.2/23

Right Out: 622.220+/-0.120 χ^2/NDF : 14910586.6/34

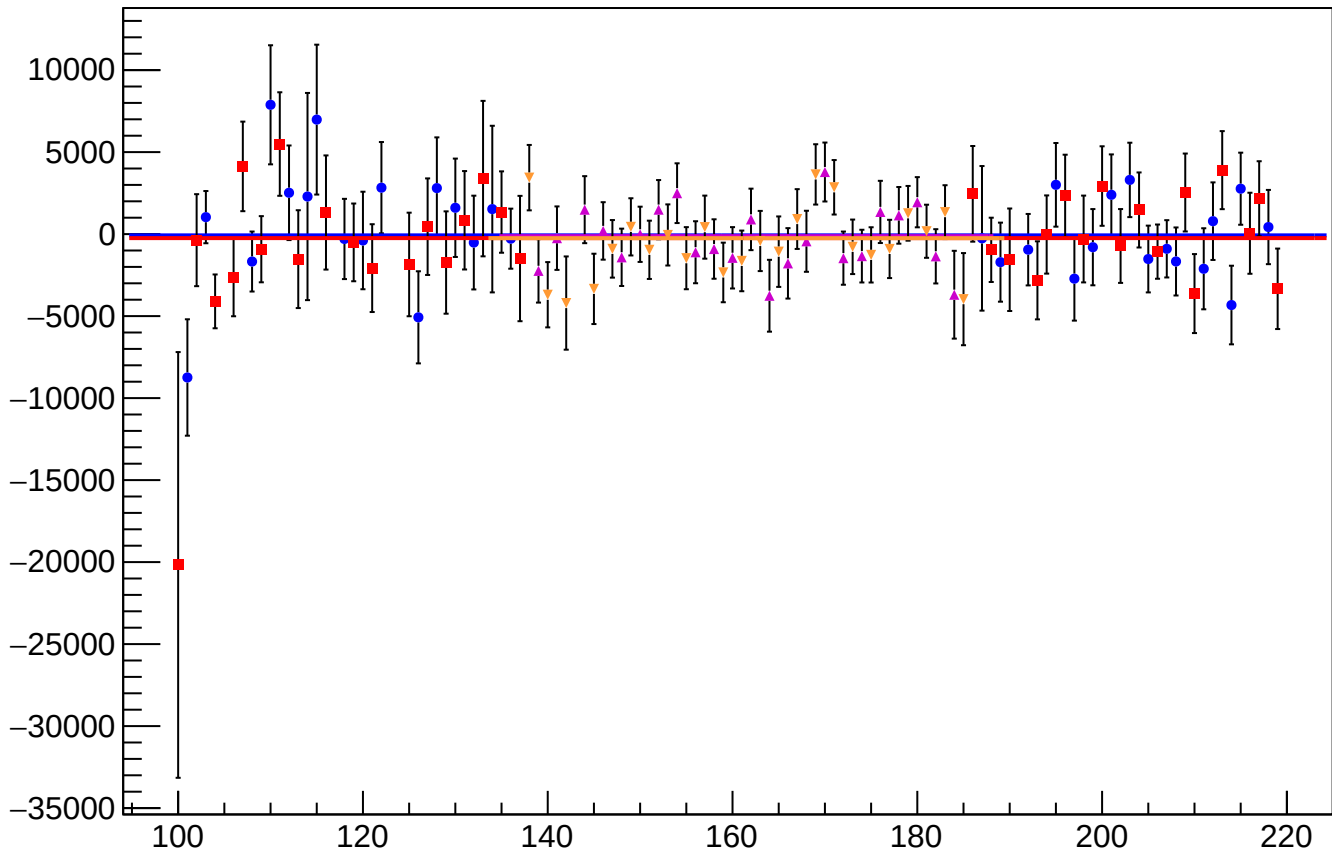
Left In: 373.145+/-0.071 χ^2/NDF : 8207110.6/22

+ sign 439.832+/-0.062 χ^2/NDF : 25396880.1/55

All: 438.247+/-0.043 χ^2/NDF : 51700061.3/11

- sign 436.705+/-0.061 χ^2/NDF : 26301878.8/57

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: -76.311 ± 436.104 χ^2/NDF : 34.4/31

Left Out: -247.110 ± 378.224 χ^2/NDF : 26.0/23

Right Out: -244.277 ± 426.989 χ^2/NDF : 32.6/34

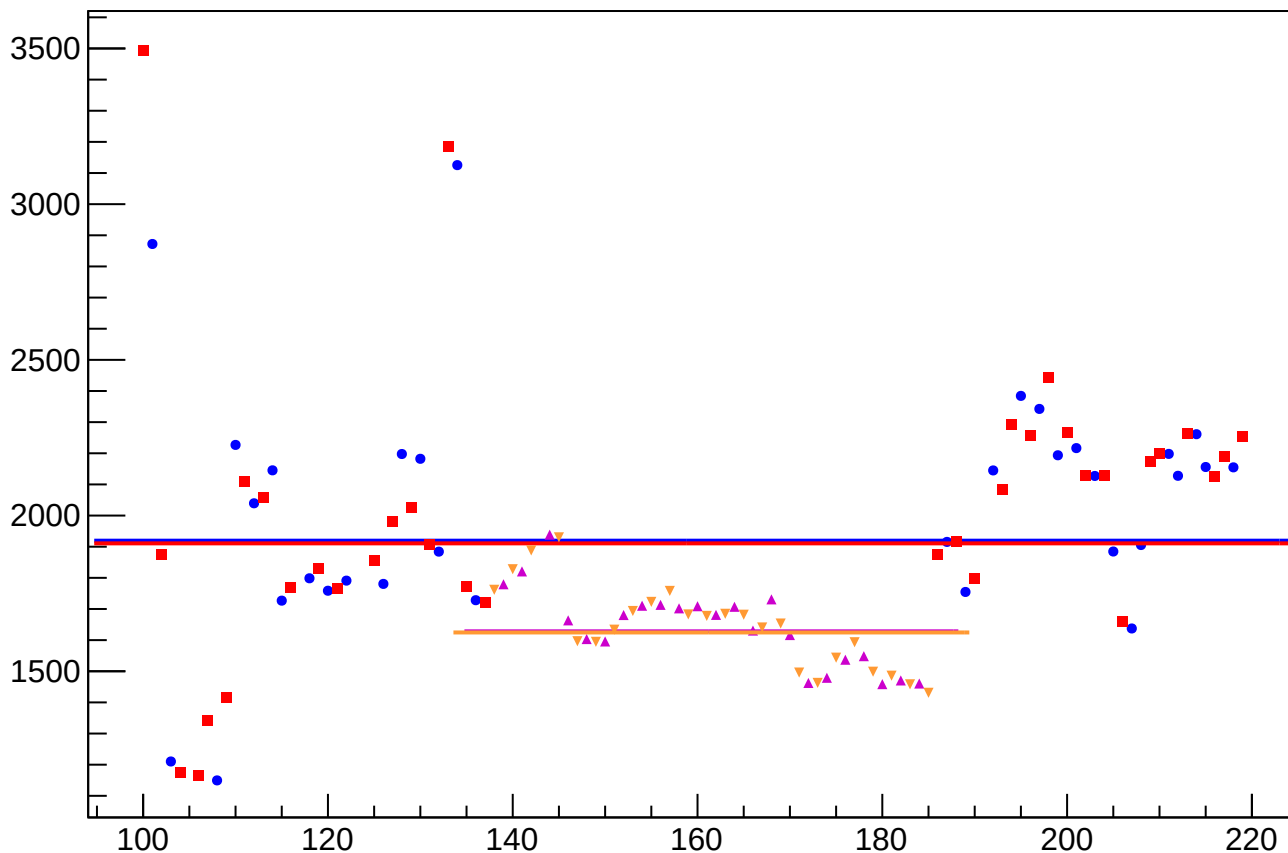
Left In: -126.114 ± 381.305 χ^2/NDF : 21.2/22

+ sign -173.789 ± 285.733 χ^2/NDF : 60.5/55

All: -176.175 ± 201.574 χ^2/NDF : 114.4/113

- sign -178.538 ± 284.408 χ^2/NDF : 53.8/57

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1919.315 $\pm$ 0.308 χ^2 /NDF: 1510236.0/31

Left Out: 1624.614 $\pm$ 0.267 χ^2 /NDF: 207257.7/23

Right Out: 1910.732 $\pm$ 0.302 χ^2 /NDF: 1510538.7/34

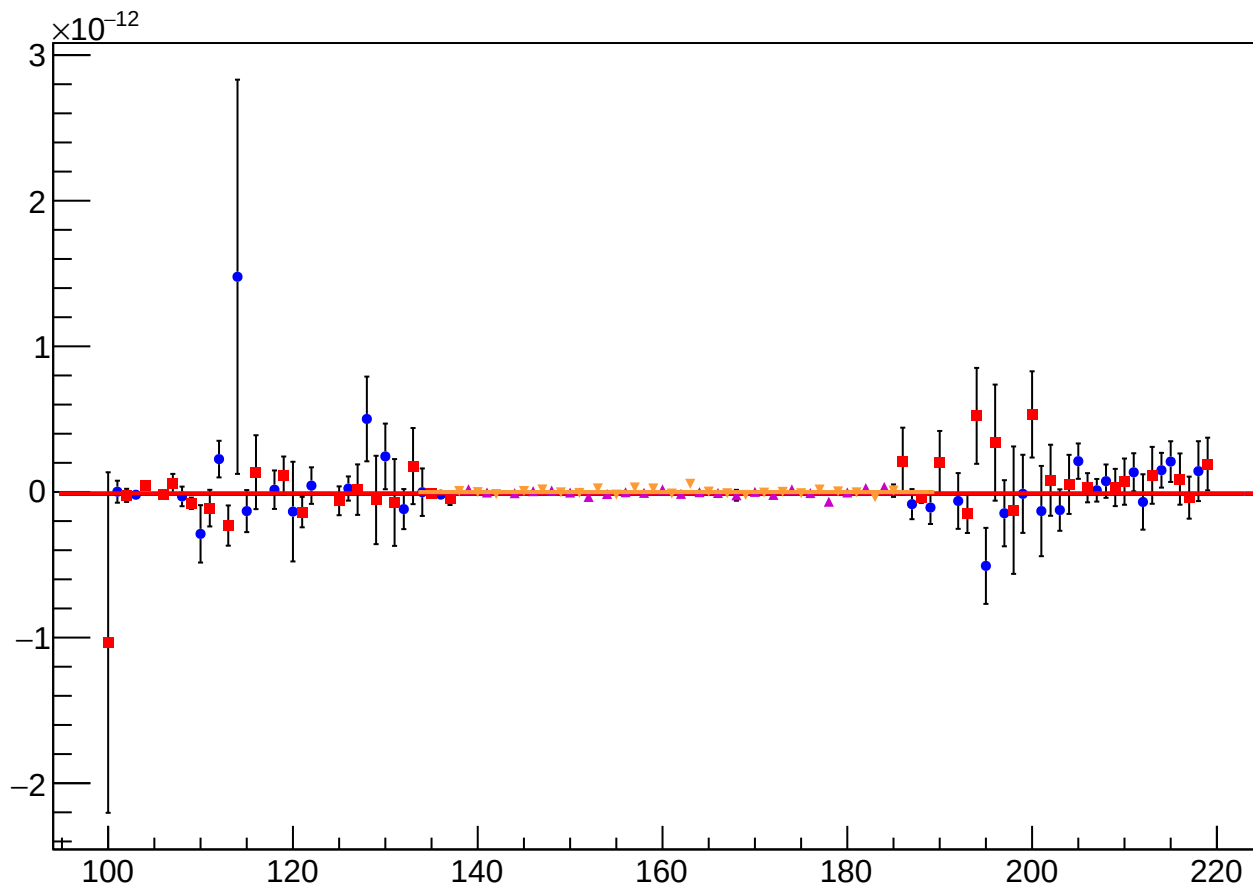
Left In: 1628.221 $\pm$ 0.270 χ^2 /NDF: 204880.6/22

+ sign 1751.124 $\pm$ 0.202 χ^2 /NDF: 2238731.8/55

All: 1752.348 $\pm$ 0.143 χ^2 /NDF: 4441312.1/11

- sign 1753.560 $\pm$ 0.201 χ^2 /NDF: 2202507.3/57

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.7/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.6/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 29.6/34

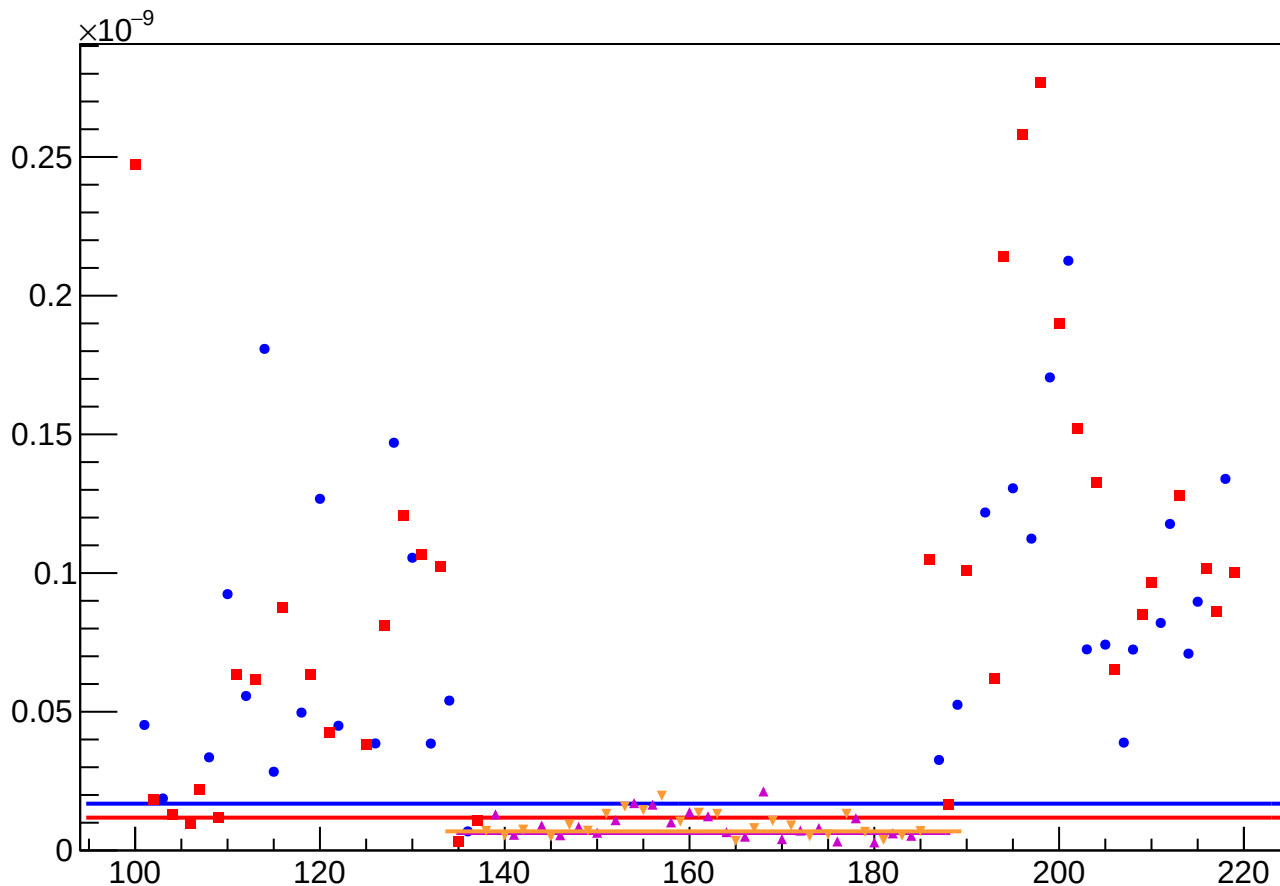
Left In: -0.000 ± 0.000 χ^2/NDF : 24.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 53.8/55

All: -0.000 ± 0.000 χ^2/NDF : 108.3/113

- sign -0.000 ± 0.000 χ^2/NDF : 54.5/57

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 10953982.7/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2256547.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 13208946.5/34

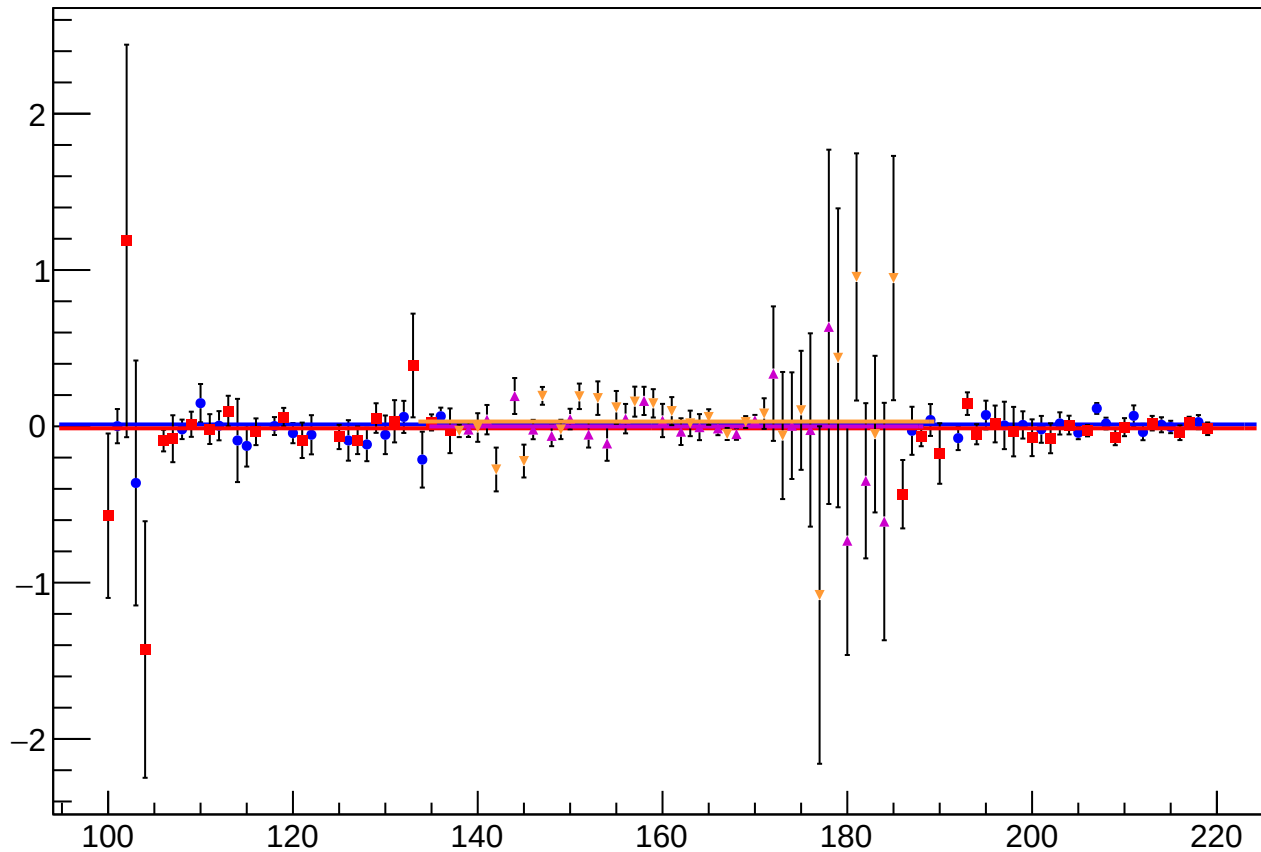
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2888385.6/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 15106469.9/55

All: 0.000 $\pm$ 0.000 χ^2/NDF : 32106761.1/113

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 16899412.4/57

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 ± 0.012 χ^2/NDF : 23.3/31

Left Out: 0.031 ± 0.015 χ^2/NDF : 41.5/23

Right Out: -0.013 ± 0.012 χ^2/NDF : 28.3/34

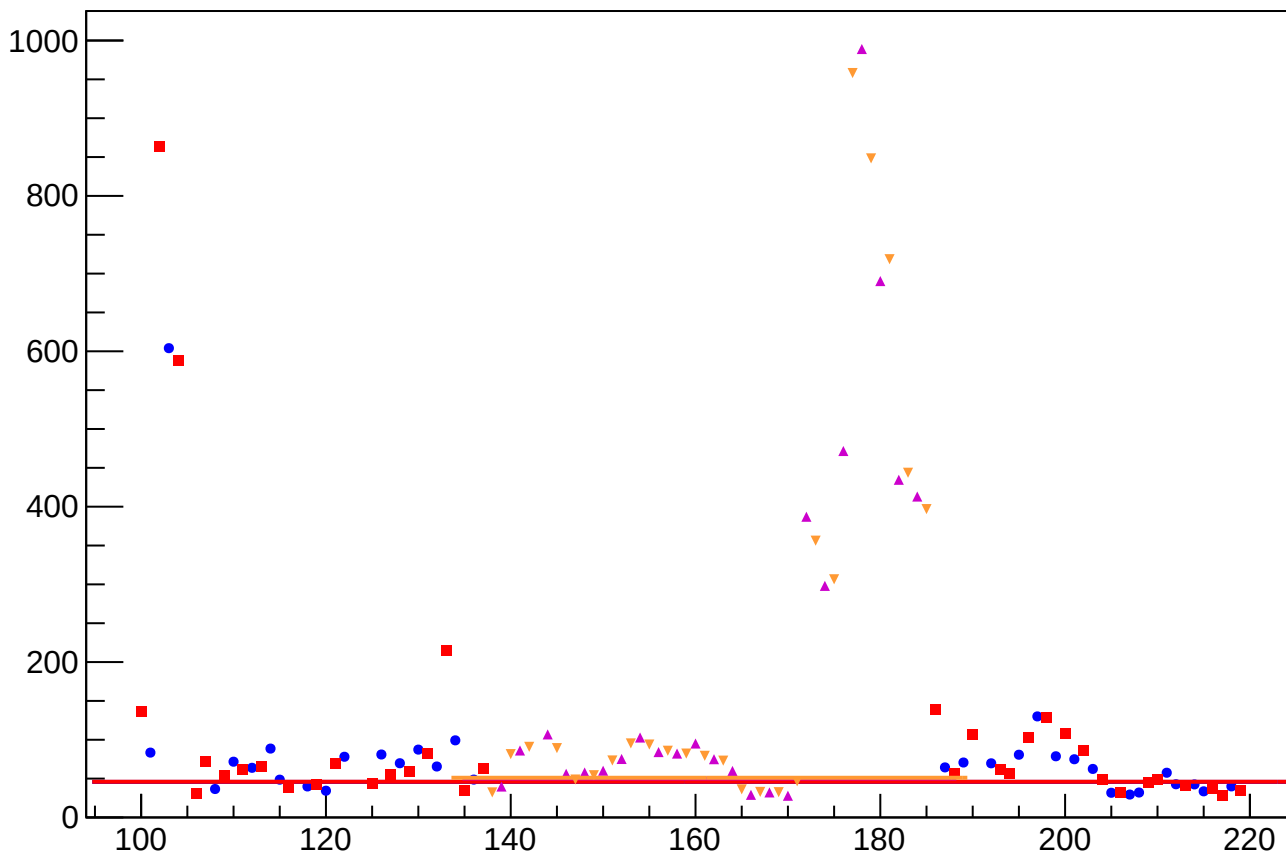
Left In: -0.001 ± 0.015 χ^2/NDF : 16.0/22

+ sign 0.019 ± 0.009 χ^2/NDF : 65.8/55

All: 0.005 ± 0.007 χ^2/NDF : 114.7/113

- sign -0.008 ± 0.009 χ^2/NDF : 44.7/57

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 45.742 $\pm$ 0.008 χ^2 /NDF: 5583100.9/31

Left Out: 51.081 $\pm$ 0.011 χ^2 /NDF: 11736636.7/23

Right Out: 45.958 $\pm$ 0.008 χ^2 /NDF: 6765866.2/34

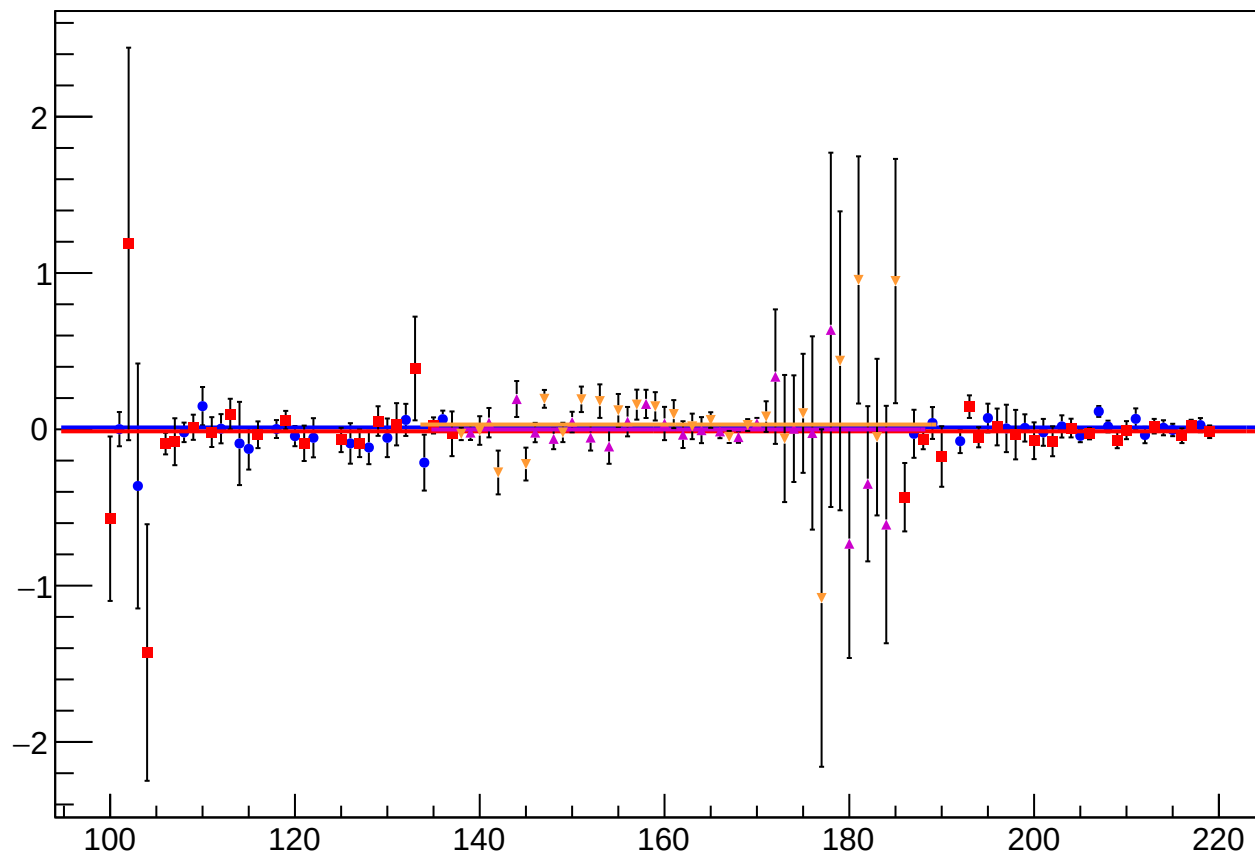
Left In: 50.251 $\pm$ 0.011 χ^2 /NDF: 12195723.8/22

+ sign 47.720 $\pm$ 0.007 χ^2 /NDF: 17469637.6/55

All: 47.649 $\pm$ 0.005 χ^2 /NDF: 36529983.0/113

- sign 47.579 $\pm$ 0.007 χ^2 /NDF: 19060118.2/57

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 ± 0.012 χ^2/NDF : 23.3/31

Left Out: 0.031 ± 0.015 χ^2/NDF : 41.5/23

Right Out: -0.013 ± 0.012 χ^2/NDF : 28.3/34

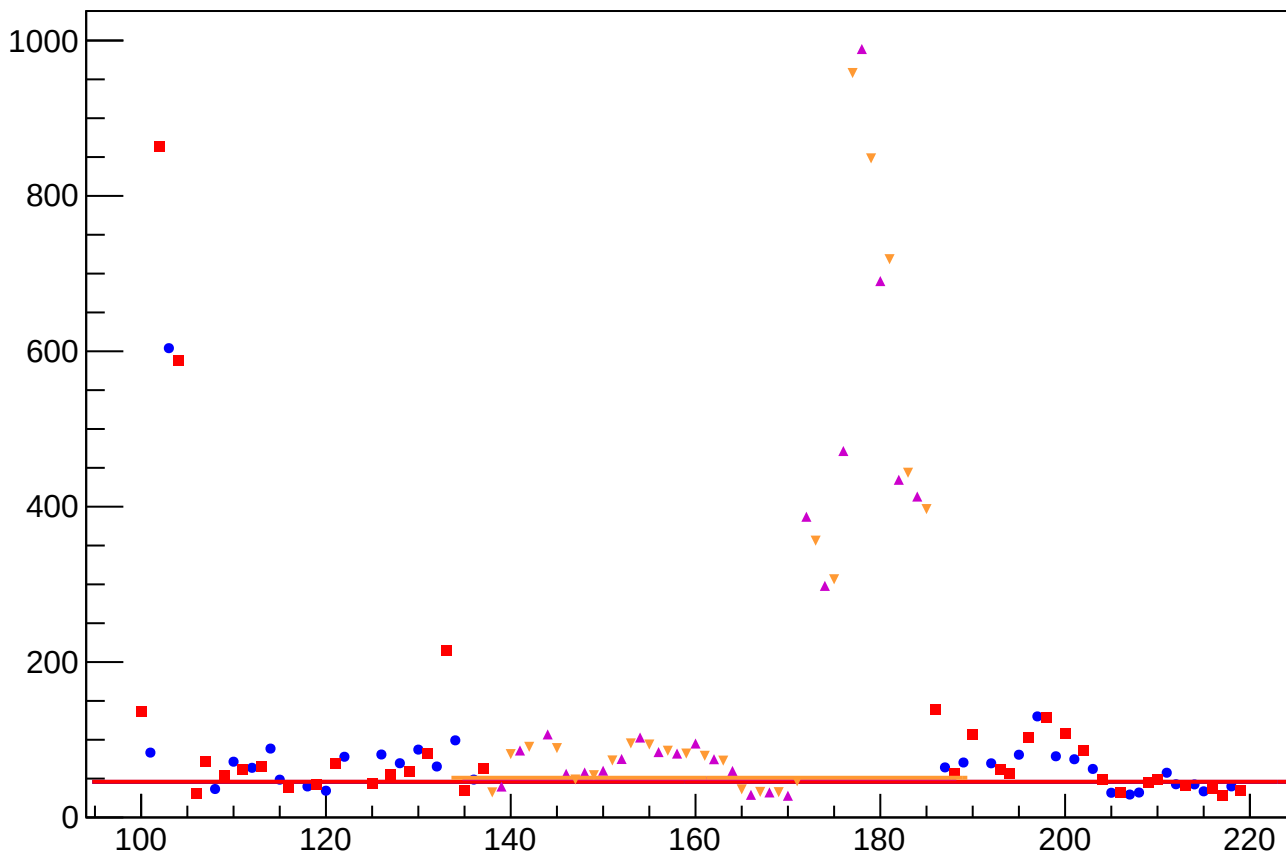
Left In: -0.001 ± 0.015 χ^2/NDF : 16.0/22

+ sign 0.019 ± 0.009 χ^2/NDF : 65.8/55

All: 0.005 ± 0.007 χ^2/NDF : 114.7/113

- sign -0.008 ± 0.009 χ^2/NDF : 44.7/57

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.742 $\pm$ 0.008 χ^2 /NDF: 5583100.9/31

Left Out: 51.081 $\pm$ 0.011 χ^2 /NDF: 11736636.7/23

Right Out: 45.958 $\pm$ 0.008 χ^2 /NDF: 6765866.2/34

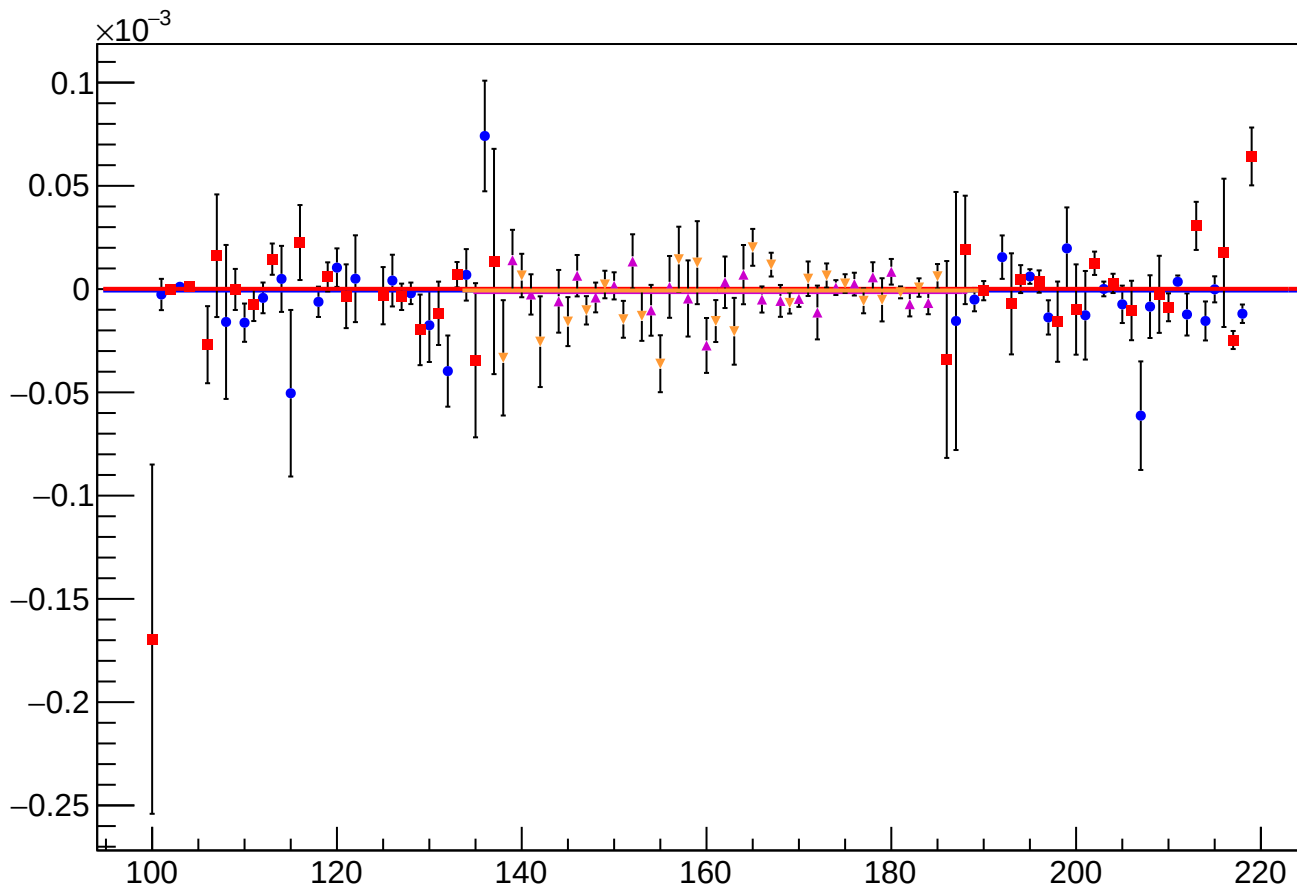
Left In: 50.251 $\pm$ 0.011 χ^2 /NDF: 12195723.8/22

+ sign 47.720 $\pm$ 0.007 χ^2 /NDF: 17469637.6/55

All: 47.649 $\pm$ 0.005 χ^2 /NDF: 36529983.0/113

- sign 47.579 $\pm$ 0.007 χ^2 /NDF: 19060118.2/57

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 50.9/31

Left Out: -0.000+/-0.000 χ^2 /NDF:38.5/23

Right Out: 0.000+/-0.000 χ^2 /NDF: 88.6/34

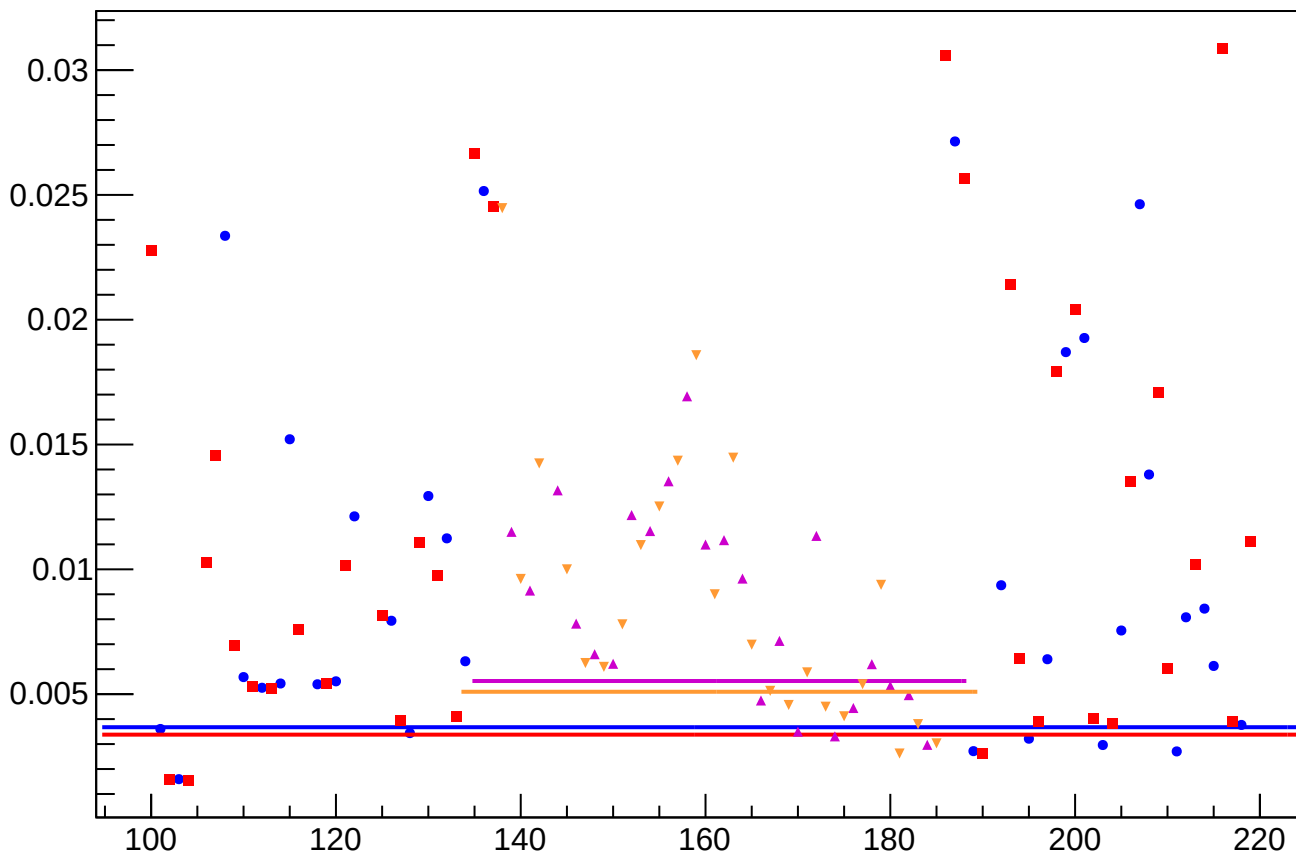
Left In: -0.000+/-0.000 χ^2 /NDF:16.4/22

+ sign -0.000+/-0.000 χ^2 /NDF: 89.3/55

All: -0.000+/-0.000 χ^2 /NDF: 195.2/113

- sign -0.000+/-0.000 χ^2 /NDF: 105.8/57

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 13415386.0/31

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:8380878.9/23

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 18033485.4/34

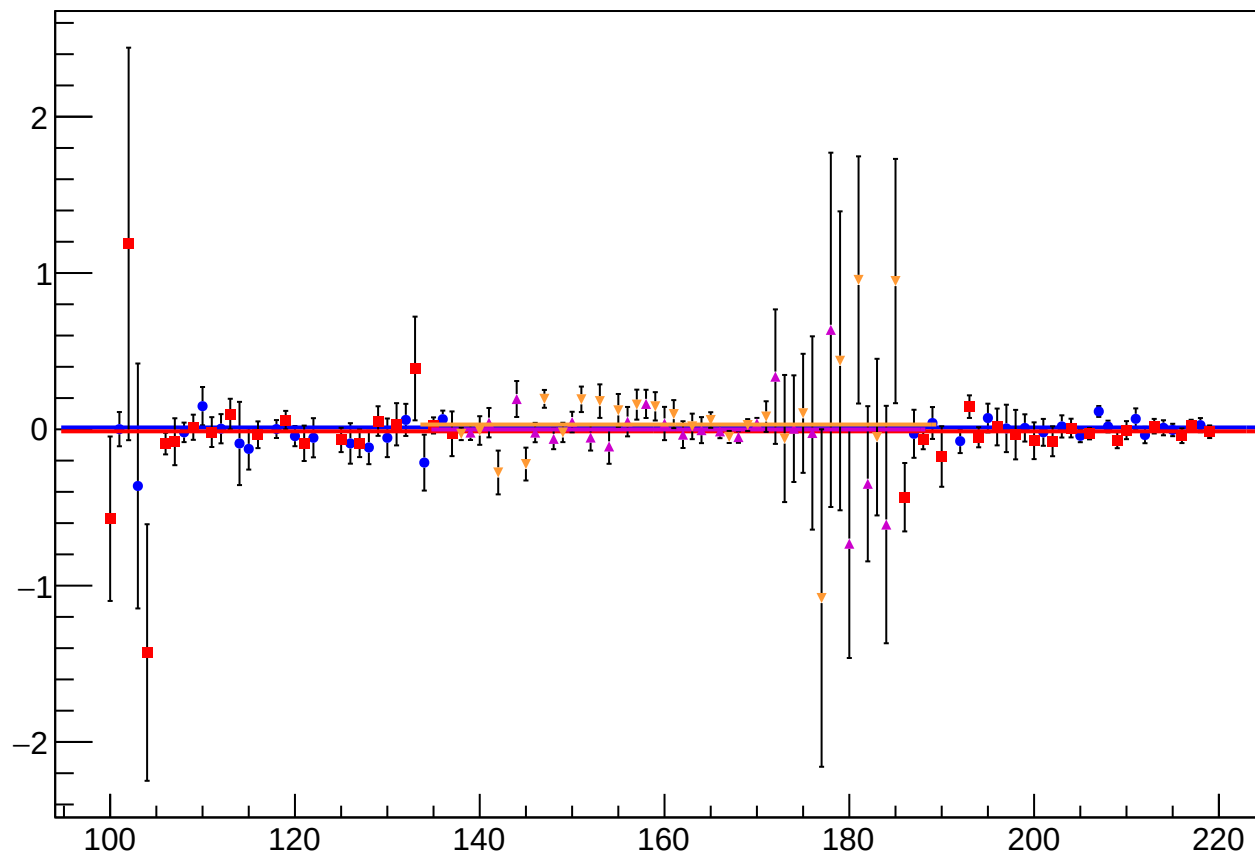
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:6892708.8/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 23074464.3/55

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 50757389.9/113

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 27655293.5/57

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 ± 0.012 $\chi^2/\text{NDF}: 23.3/31$

Left Out: 0.031 ± 0.015 $\chi^2/\text{NDF}: 41.5/23$

Right Out: -0.013 ± 0.012 $\chi^2/\text{NDF}: 28.3/34$

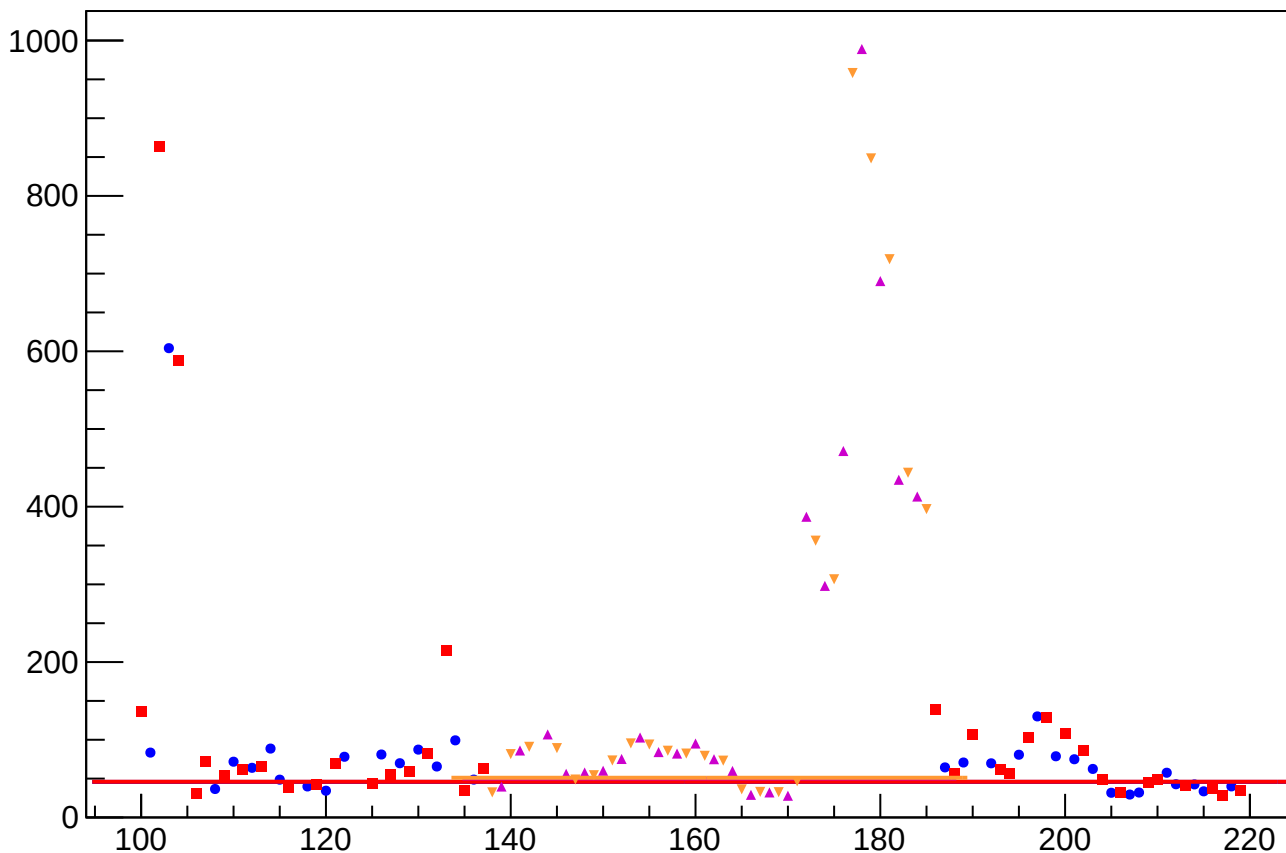
Left In: -0.001 ± 0.015 $\chi^2/\text{NDF}: 16.0/22$

+ sign 0.019 ± 0.009 $\chi^2/\text{NDF}: 65.8/55$

All: 0.005 ± 0.007 $\chi^2/\text{NDF}: 114.7/113$

- sign -0.008 ± 0.009 $\chi^2/\text{NDF}: 44.7/57$

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.741 $\pm$ 0.008 χ^2 /NDF: 5583201.4/31

Left Out: 51.083 $\pm$ 0.011 χ^2 /NDF: 11735805.5/23

Right Out: 45.961 $\pm$ 0.008 χ^2 /NDF: 6765082.4/34

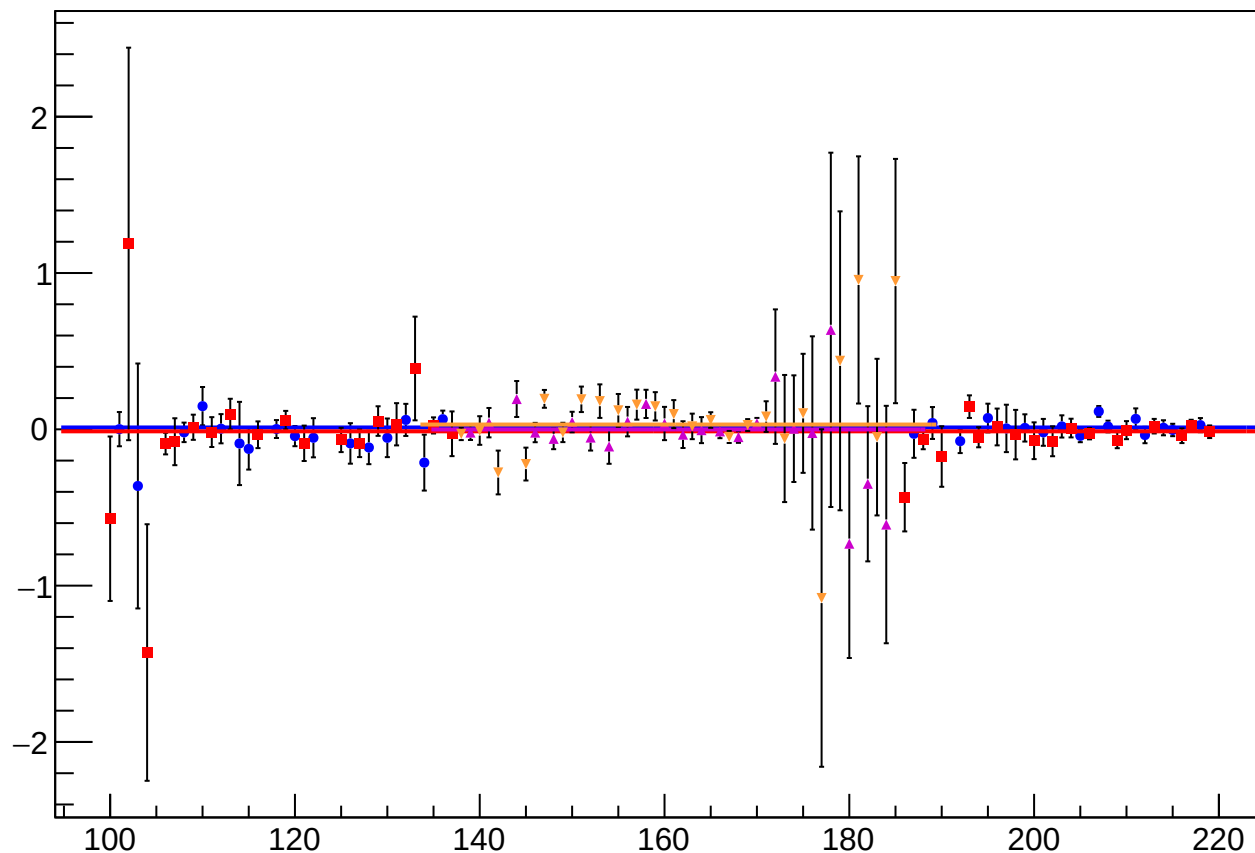
Left In: 50.251 $\pm$ 0.011 χ^2 /NDF: 12195665.4/22

+ sign 47.721 $\pm$ 0.007 χ^2 /NDF: 17469062.7/55

All: 47.650 $\pm$ 0.005 χ^2 /NDF: 36528423.5/113

- sign 47.580 $\pm$ 0.007 χ^2 /NDF: 19059138.0/57

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 ± 0.012 χ^2/NDF : 23.3/31

Left Out: 0.031 ± 0.015 χ^2/NDF : 41.5/23

Right Out: -0.013 ± 0.012 χ^2/NDF : 28.3/34

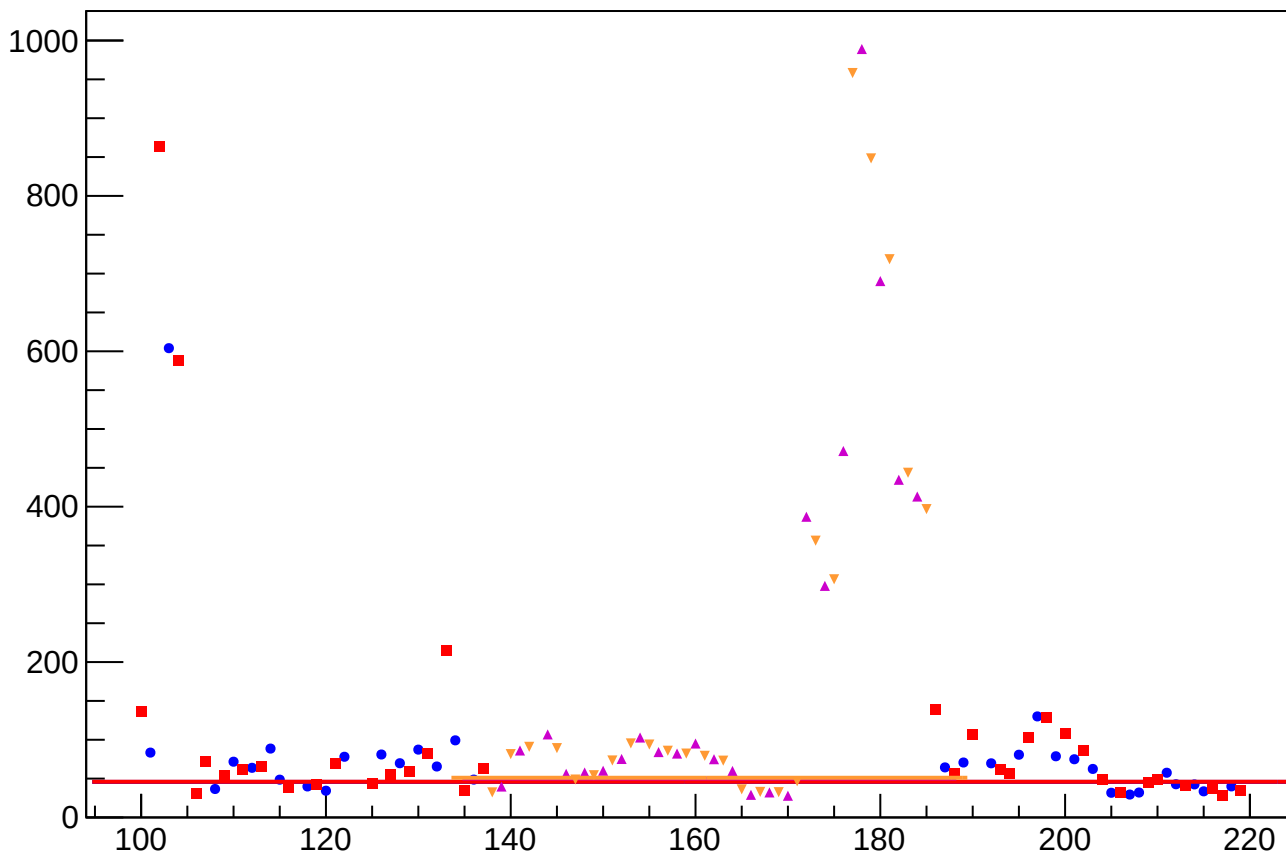
Left In: -0.001 ± 0.015 χ^2/NDF : 16.0/22

+ sign 0.019 ± 0.009 χ^2/NDF : 65.8/55

All: 0.005 ± 0.007 χ^2/NDF : 114.7/113

- sign -0.008 ± 0.009 χ^2/NDF : 44.7/57

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.741 $\pm$ 0.008 χ^2 /NDF: 5583201.4/31

Left Out: 51.083 $\pm$ 0.011 χ^2 /NDF: 11735805.5/23

Right Out: 45.961 $\pm$ 0.008 χ^2 /NDF: 6765082.4/34

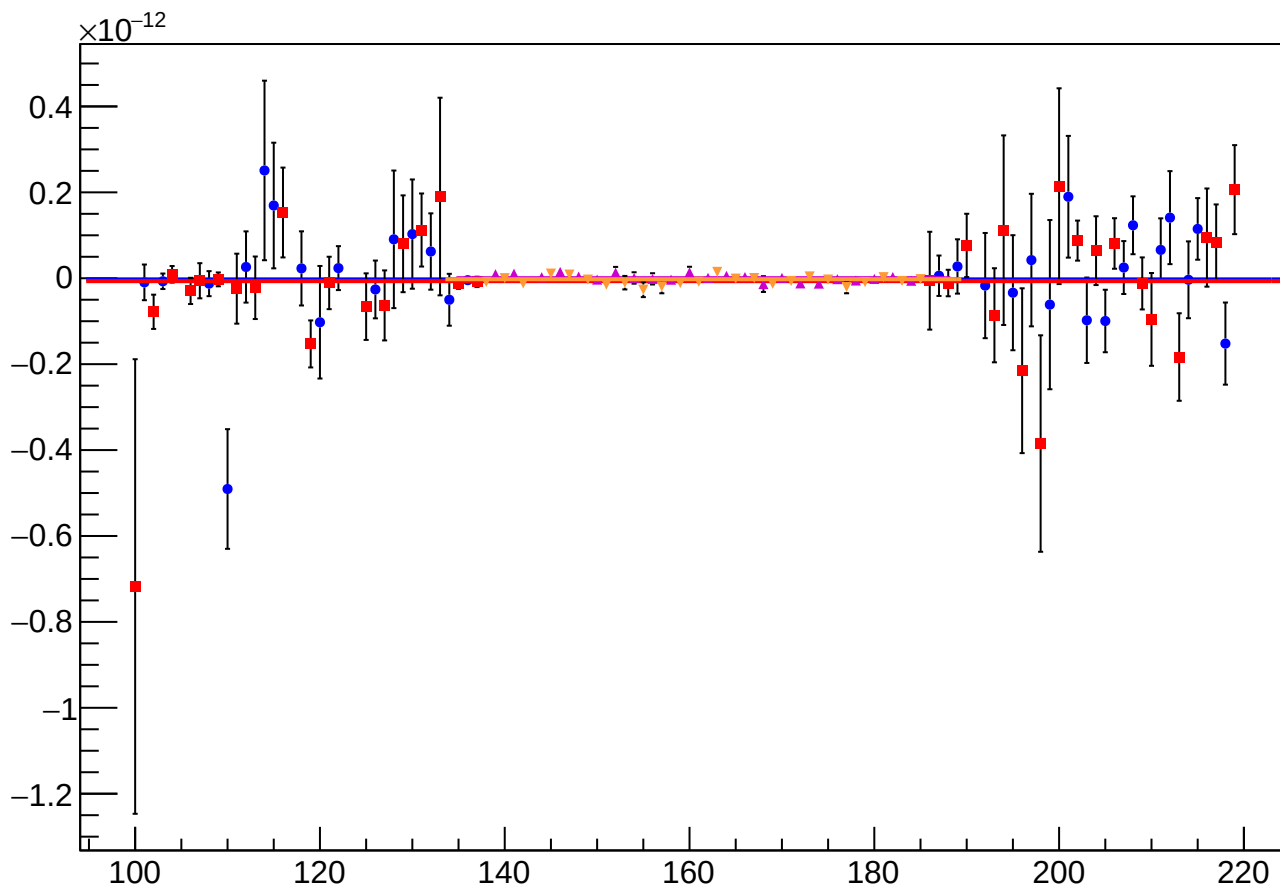
Left In: 50.251 $\pm$ 0.011 χ^2 /NDF: 12195665.4/22

+ sign 47.721 $\pm$ 0.007 χ^2 /NDF: 17469062.7/55

All: 47.650 $\pm$ 0.005 χ^2 /NDF: 36528423.5/113

- sign 47.580 $\pm$ 0.007 χ^2 /NDF: 19059138.0/57

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 35.2/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 43.8/34

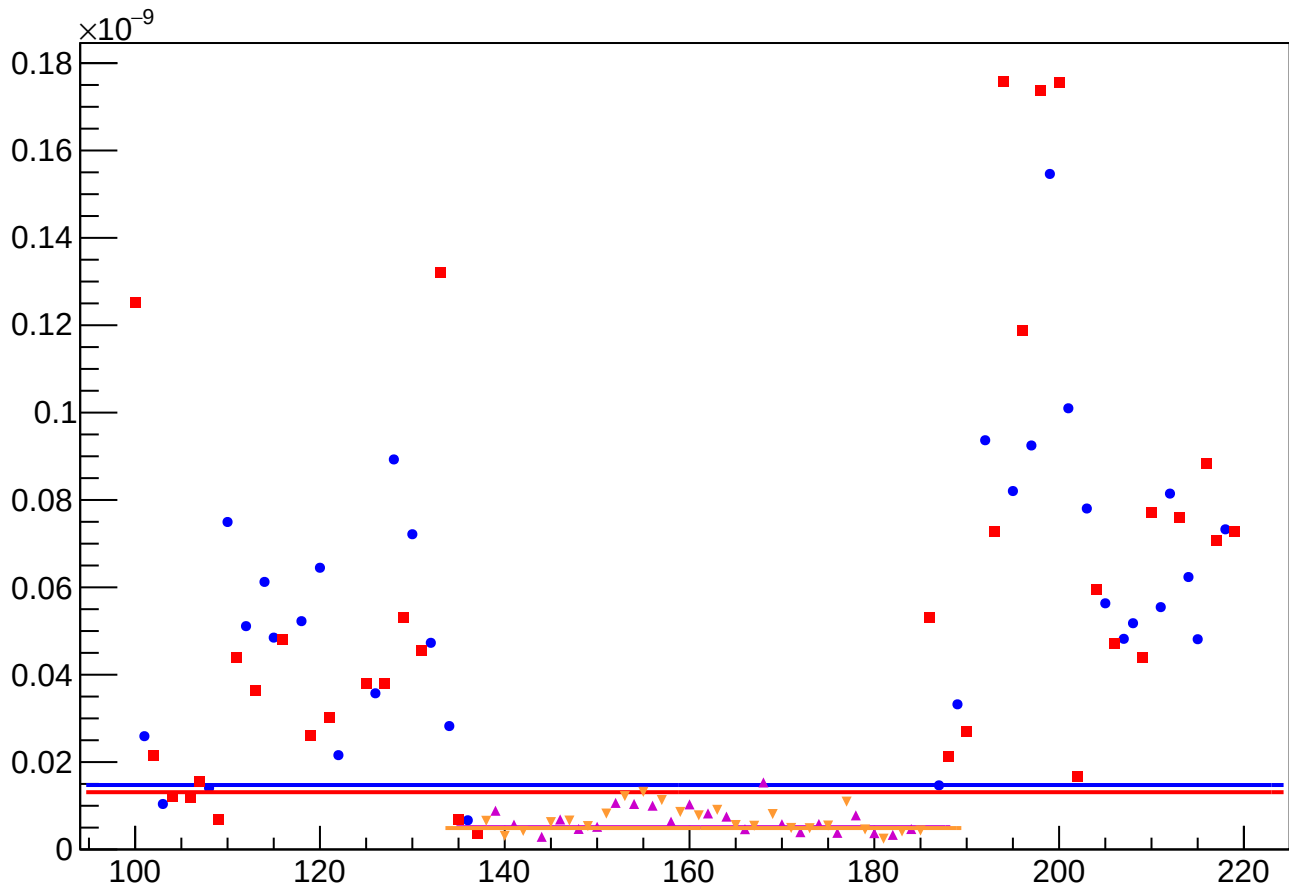
Left In: 0.000 ± 0.000 χ^2/NDF : 18.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 57.5/55

All: -0.000 ± 0.000 χ^2/NDF : 121.7/113

- sign -0.000 ± 0.000 χ^2/NDF : 63.2/57

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14830020.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 14966462.7/34

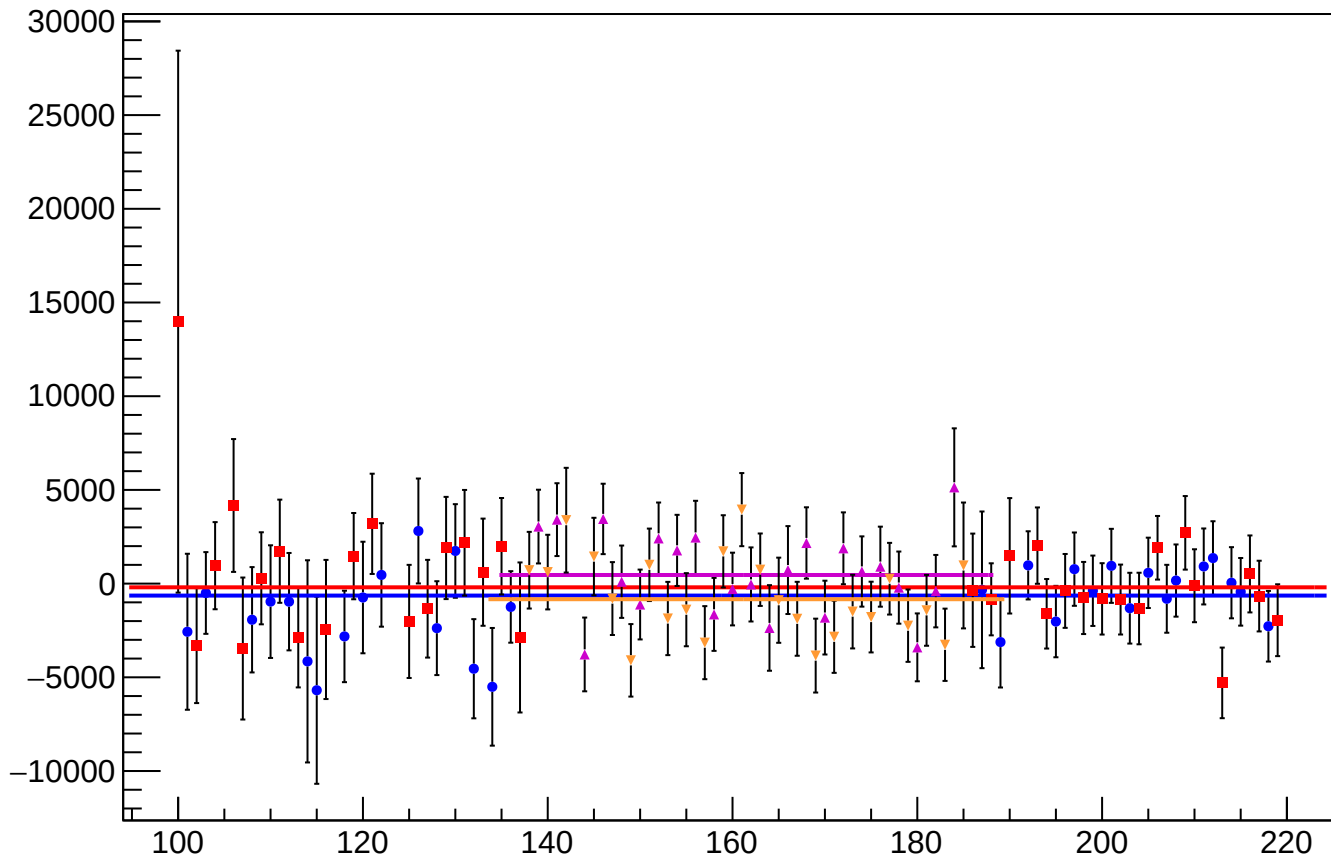
Left In: 0.000+/-0.000 χ^2/NDF : 3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 23526587.3/55

All: 0.000+/-0.000 χ^2/NDF : 45546493.0/113

- sign 0.000+/-0.000 χ^2/NDF : 22002205.4/57

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -639.003 ± 400.984 χ^2/NDF : 17.2/31

Left Out: -832.582 ± 410.448 χ^2/NDF : 25.4/23

Right Out: -197.938 ± 393.355 χ^2/NDF : 26.6/34

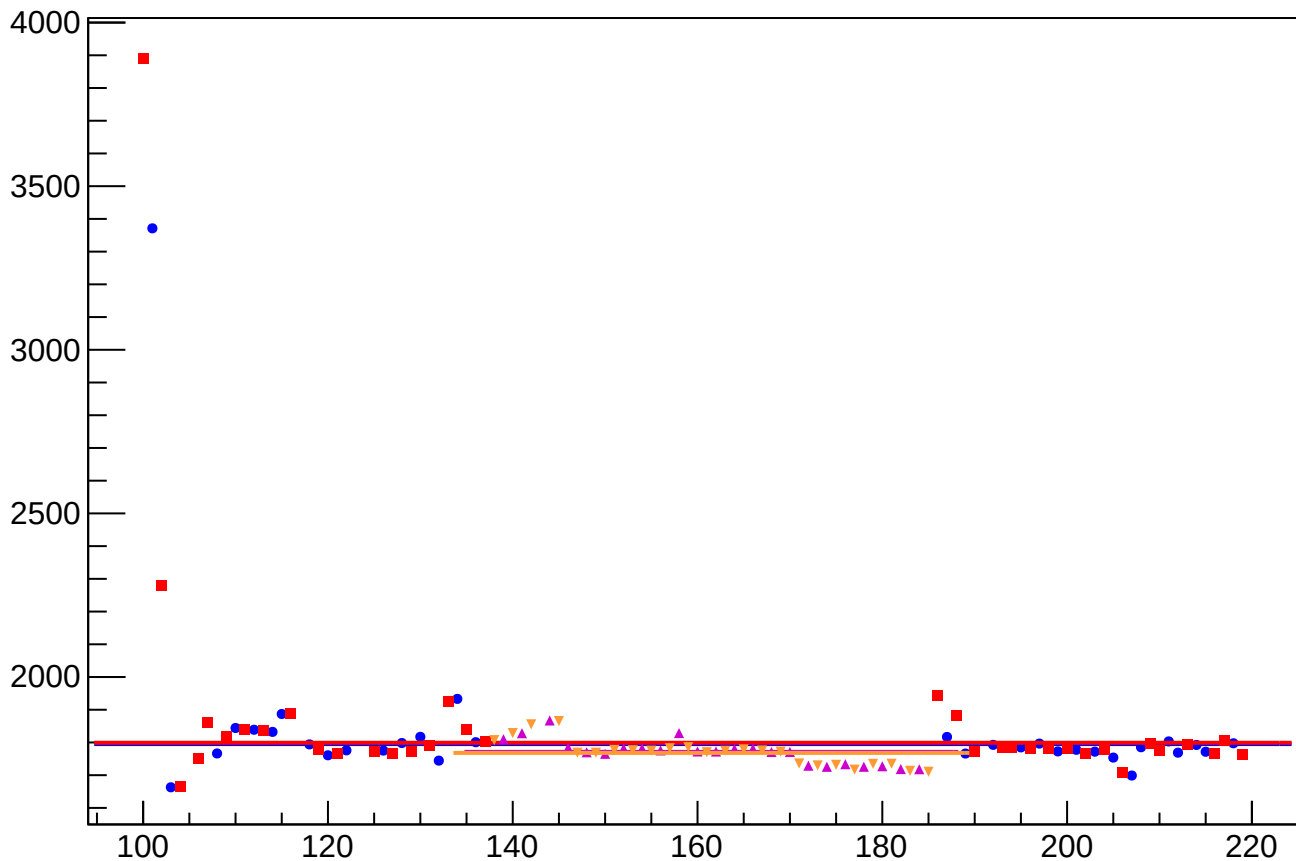
Left In: 459.594 ± 413.637 χ^2/NDF : 27.3/22

+ sign -733.535 ± 286.826 χ^2/NDF : 42.8/55

All: -306.971 ± 202.184 χ^2/NDF : 102.4/113

- sign 114.312 ± 285.045 χ^2/NDF : 55.2/57

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1795.056 $\pm$ 0.284 χ^2 /NDF: 310014.5/31

Left Out: 1768.125 $\pm$ 0.290 χ^2 /NDF:16358.2/23

Right Out: 1799.076 $\pm$ 0.278 χ^2 /NDF: 123633.3/34

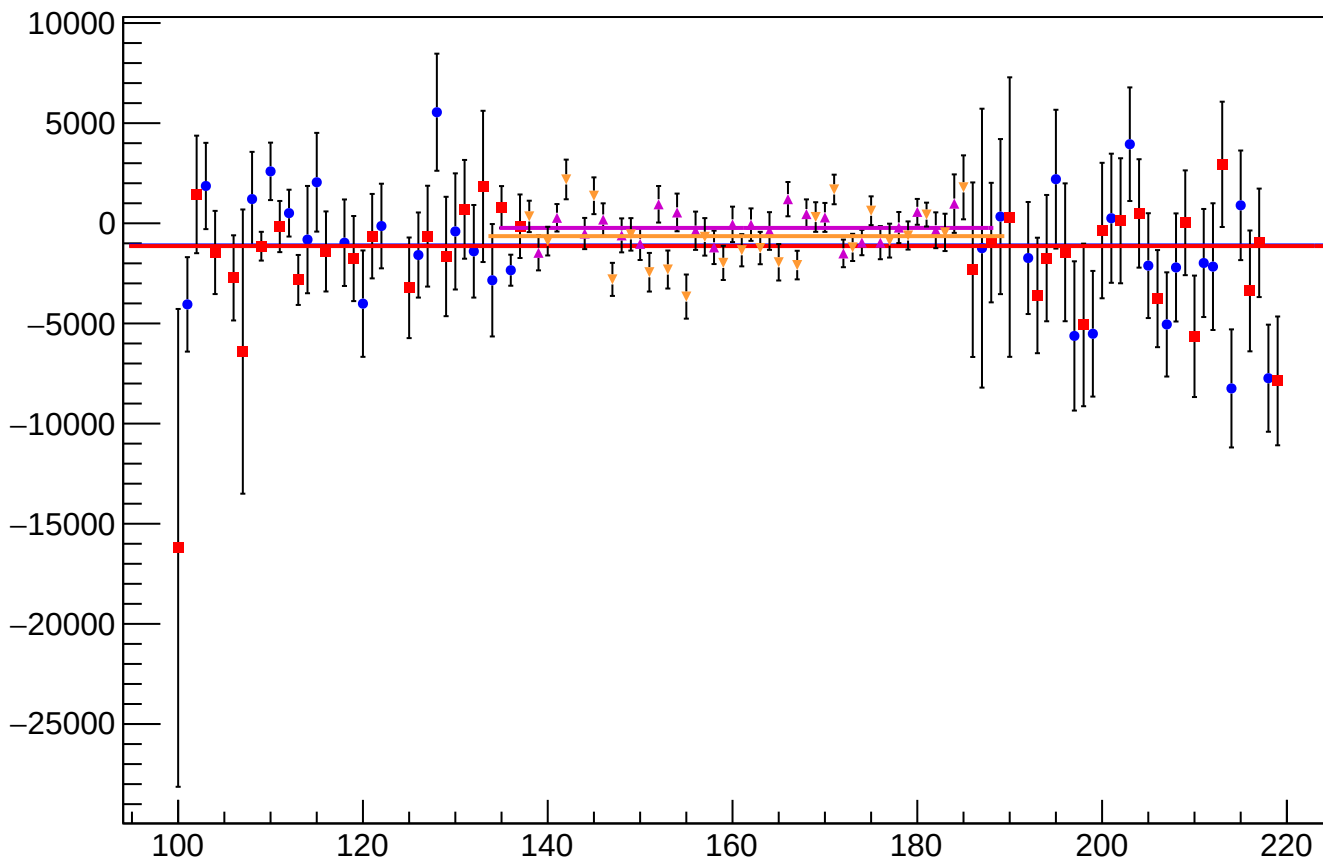
Left In: 1771.217 $\pm$ 0.292 χ^2 /NDF:16425.7/22

+ sign 1781.905 $\pm$ 0.203 χ^2 /NDF: 330778.2/55

All: 1783.888 $\pm$ 0.143 χ^2 /NDF: 475791.2/113

- sign 1785.847 $\pm$ 0.202 χ^2 /NDF: 144823.0/57

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug



Right In: -1104.498 ± 381.659 χ^2/NDF : 47.6/31

Left Out: -641.029 ± 166.449 χ^2/NDF : 66.7/23

Right Out: -1137.409 ± 349.022 χ^2/NDF : 24.5/34

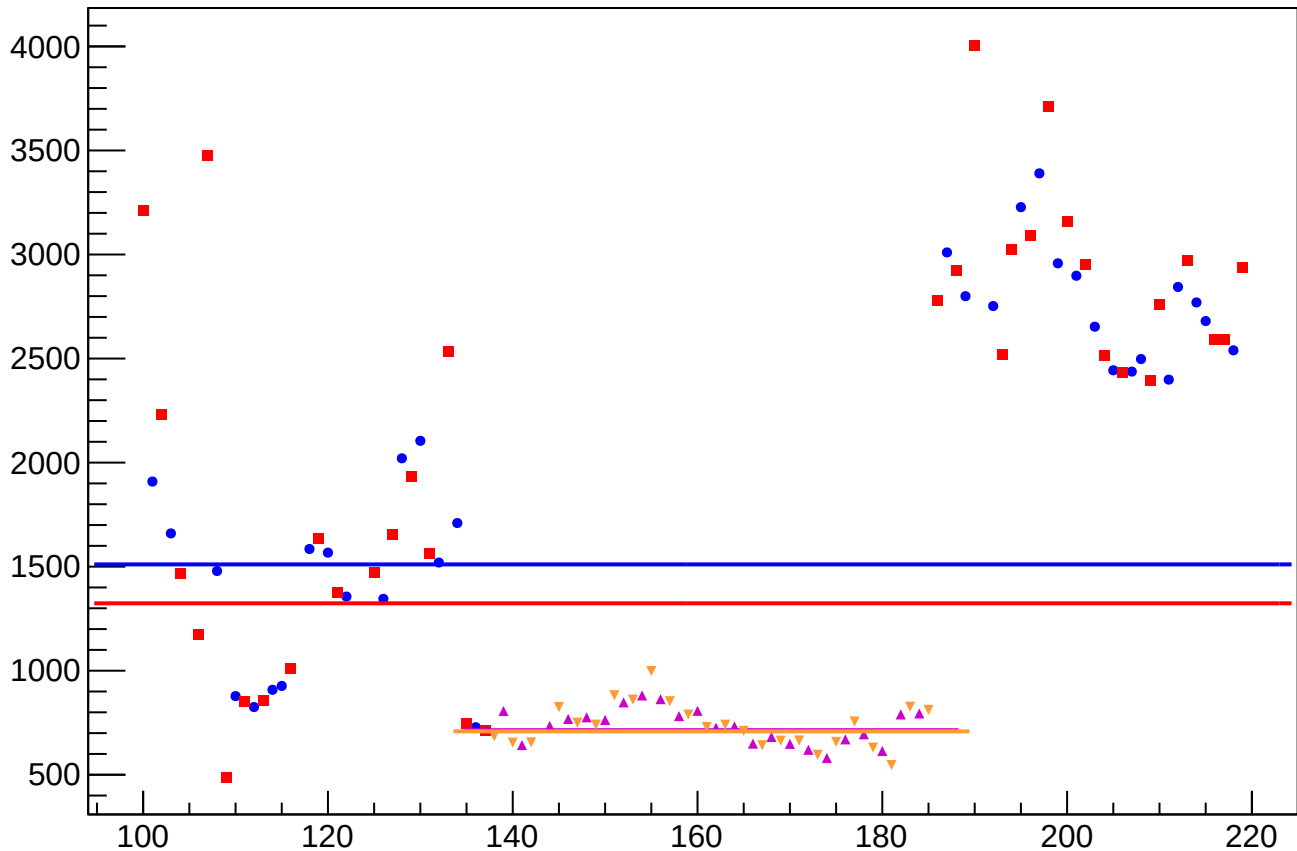
Left In: -230.653 ± 168.319 χ^2/NDF : 19.9/22

+ sign -715.094 ± 152.571 χ^2/NDF : 115.5/55

All: -557.431 ± 107.542 χ^2/NDF : 167.5/113

- sign -401.749 ± 151.610 χ^2/NDF : 49.9/57

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1510.826 $\pm$ 0.270 χ^2 /NDF: 8779961.7/31

Left Out: 708.503 $\pm$ 0.118 χ^2 /NDF: 700473.3/23

+ sign 836.718 $\pm$ 0.108 χ^2 /NDF: 16906483.7/55

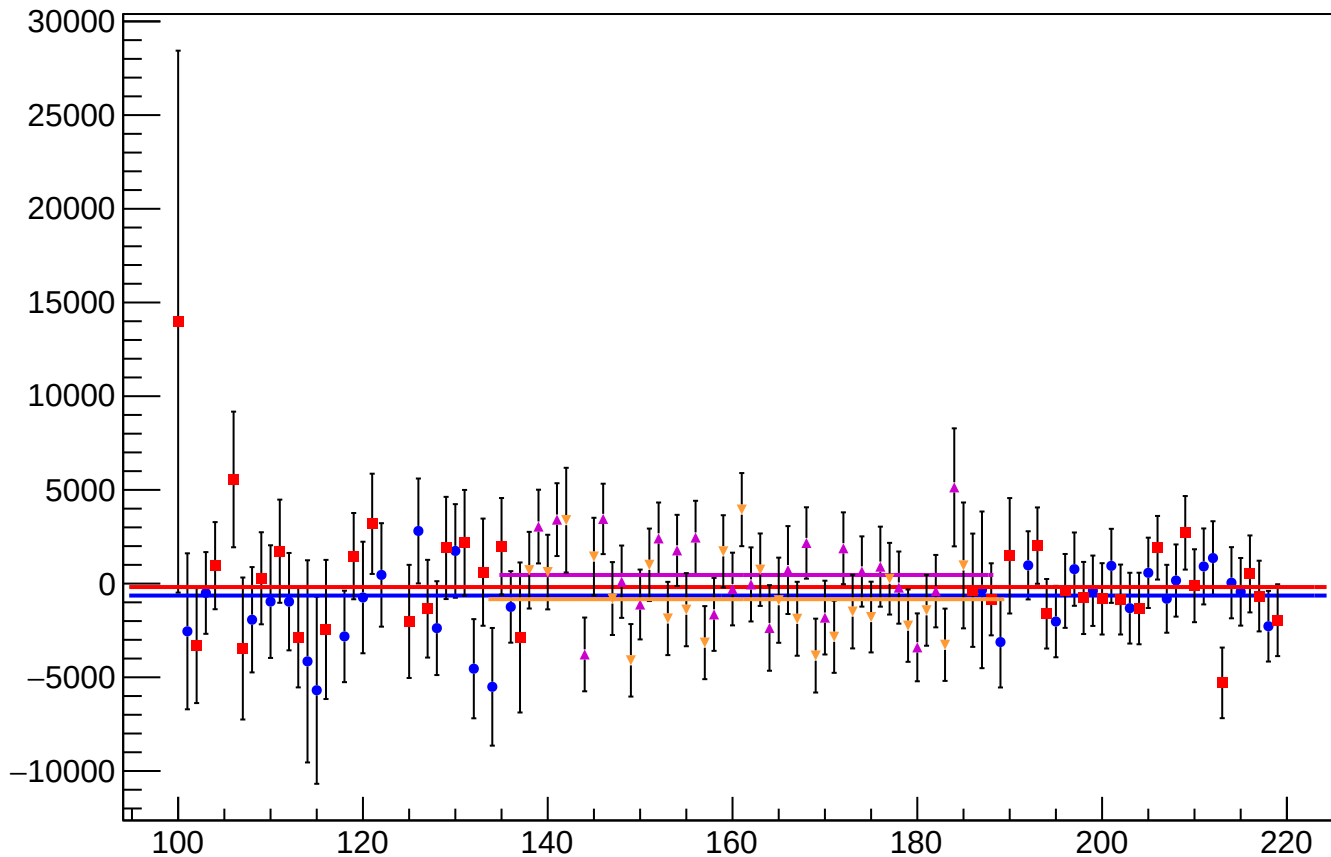
Right Out: 1323.810 $\pm$ 0.247 χ^2 /NDF: 12873705.5/34

All: 832.934 $\pm$ 0.076 χ^2 /NDF: 35230619.9/11

Left In: 714.162 $\pm$ 0.119 χ^2 /NDF: 497246.5/22

- sign 829.197 $\pm$ 0.107 χ^2 /NDF: 18321690.3/57

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -638.786 ± 400.984 χ^2/NDF : 17.2/31

Left Out: -832.476 ± 410.448 χ^2/NDF : 25.4/23

Right Out: -183.712 ± 393.454 χ^2/NDF : 27.6/34

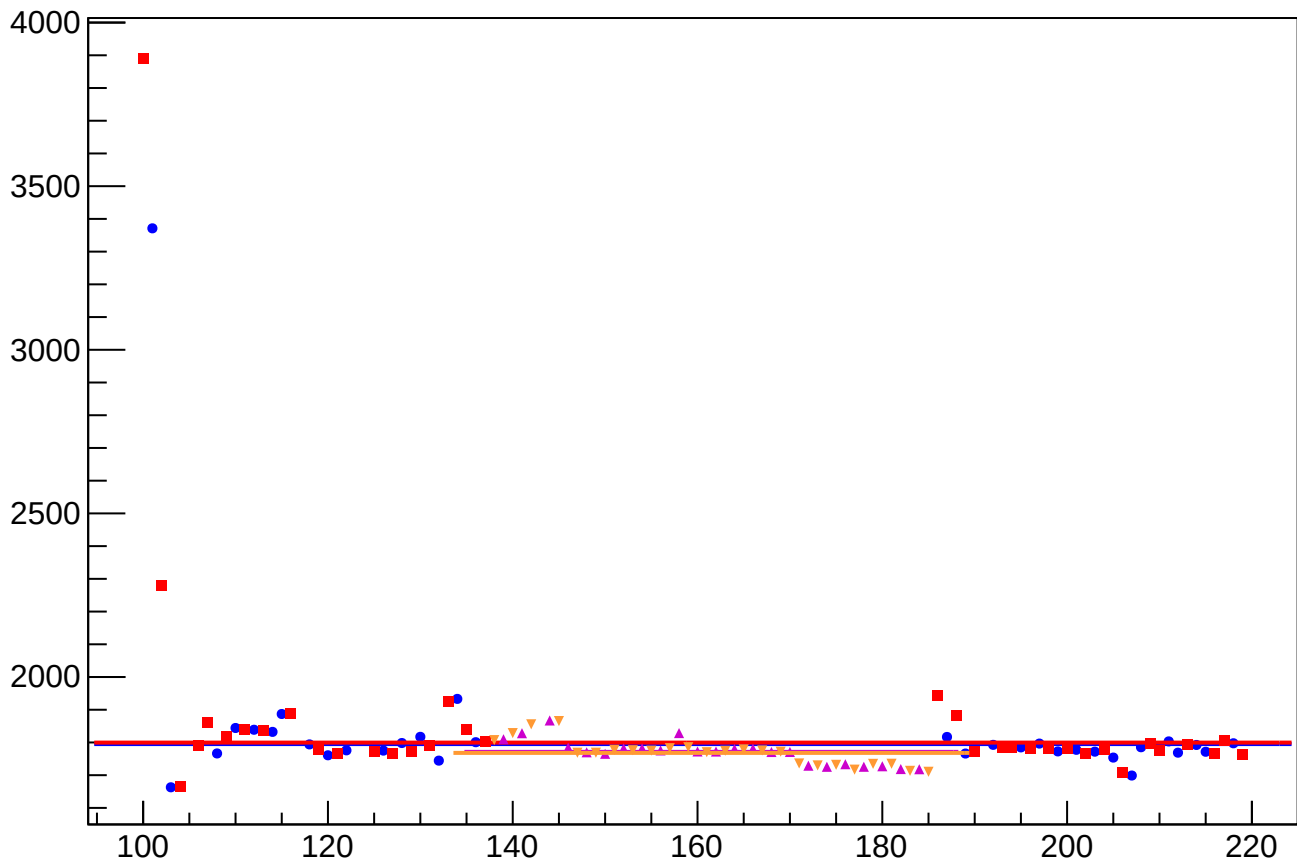
Left In: 459.554 ± 413.637 χ^2/NDF : 27.3/22

+ sign -733.372 ± 286.826 χ^2/NDF : 42.8/55

All: -303.157 ± 202.197 χ^2/NDF : 103.4/113

- sign 121.844 ± 285.082 χ^2/NDF : 56.1/57

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1795.056 $\pm$ 0.284 χ^2 /NDF: 310016.3/31

Left Out: 1768.125 $\pm$ 0.290 χ^2 /NDF:16358.2/23

Right Out: 1799.584 $\pm$ 0.278 χ^2 /NDF: 123264.9/34

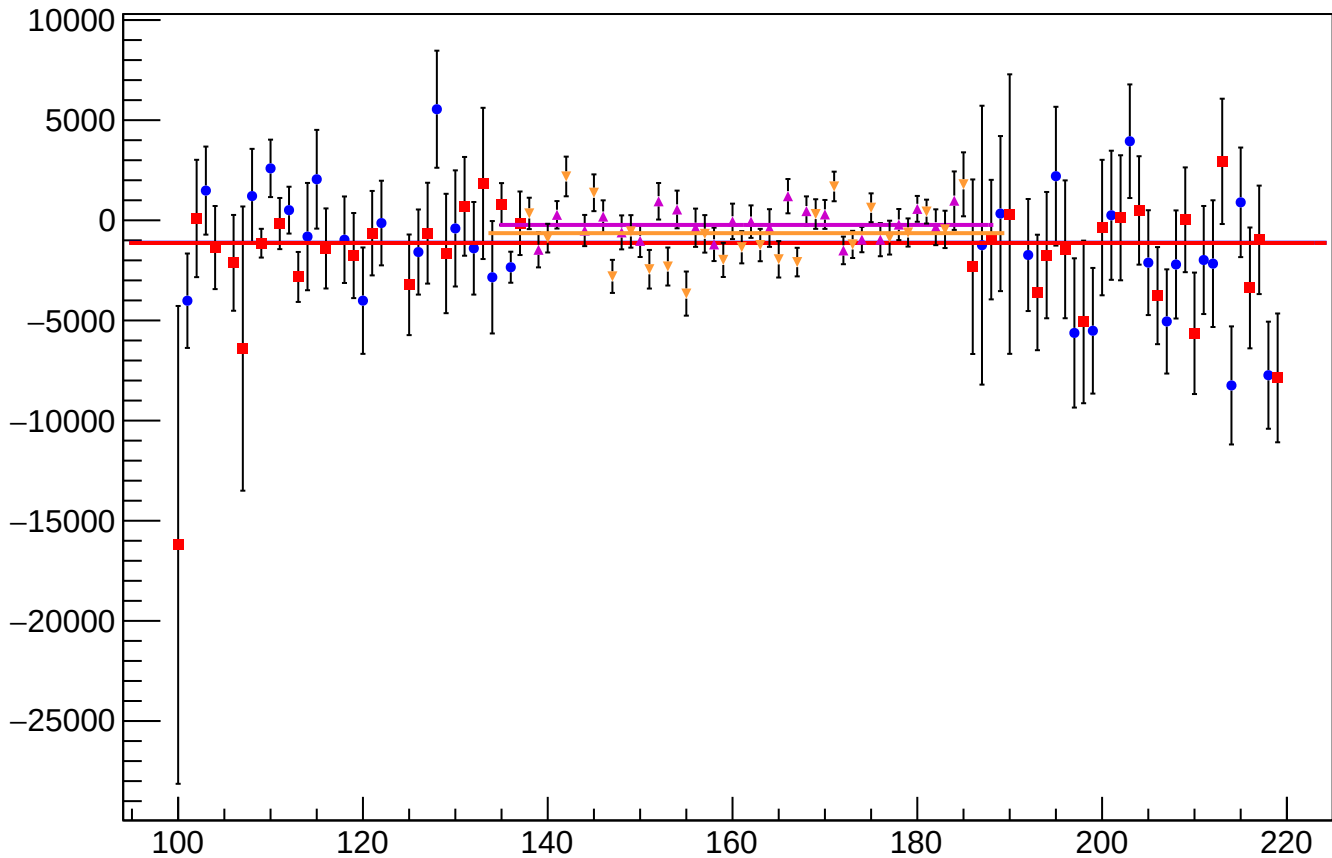
Left In: 1771.217 $\pm$ 0.292 χ^2 /NDF:16425.7/22

+ sign 1781.905 $\pm$ 0.203 χ^2 /NDF: 330780.0/55

All: 1784.020 $\pm$ 0.143 χ^2 /NDF: 475624.8/113

- sign 1786.110 $\pm$ 0.202 χ^2 /NDF: 144628.6/57

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug



Right In: -1118.941 ± 381.897 χ^2/NDF : 47.0/31

Left Out: -641.004 ± 166.450 χ^2/NDF : 66.7/23

Right Out: -1131.700 ± 349.993 χ^2/NDF : 23.5/34

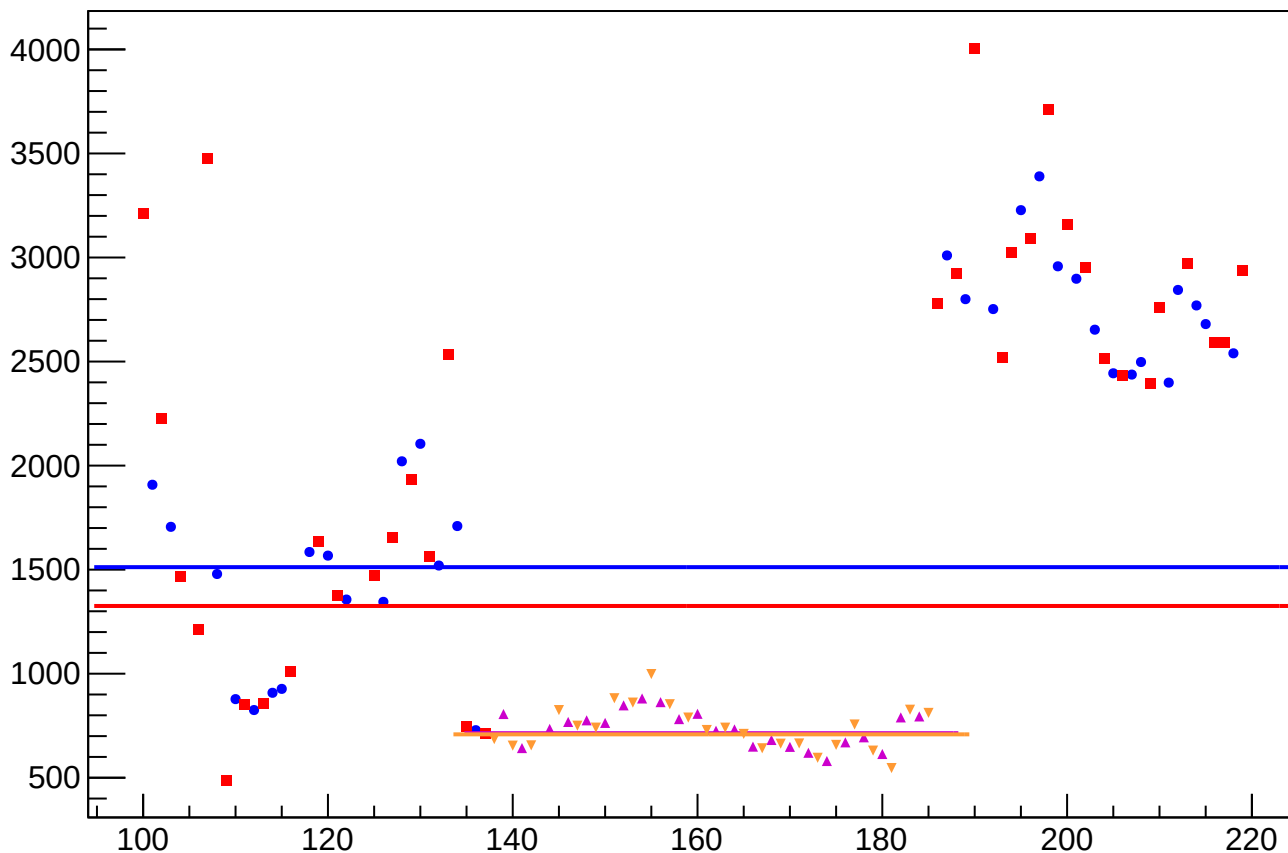
Left In: -230.572 ± 168.320 χ^2/NDF : 19.9/22

+ sign -717.302 ± 152.587 χ^2/NDF : 115.0/55

All: -557.637 ± 107.577 χ^2/NDF : 166.0/113

- sign -399.843 ± 151.690 χ^2/NDF : 48.8/57

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1512.020 ± 0.270 $\chi^2/\text{NDF}: 8785779.8/31$

Left Out: 708.508 ± 0.118 $\chi^2/\text{NDF}: 700448.7/23$

+ sign 836.781 ± 0.108 $\chi^2/\text{NDF}: 16926461.0/55$

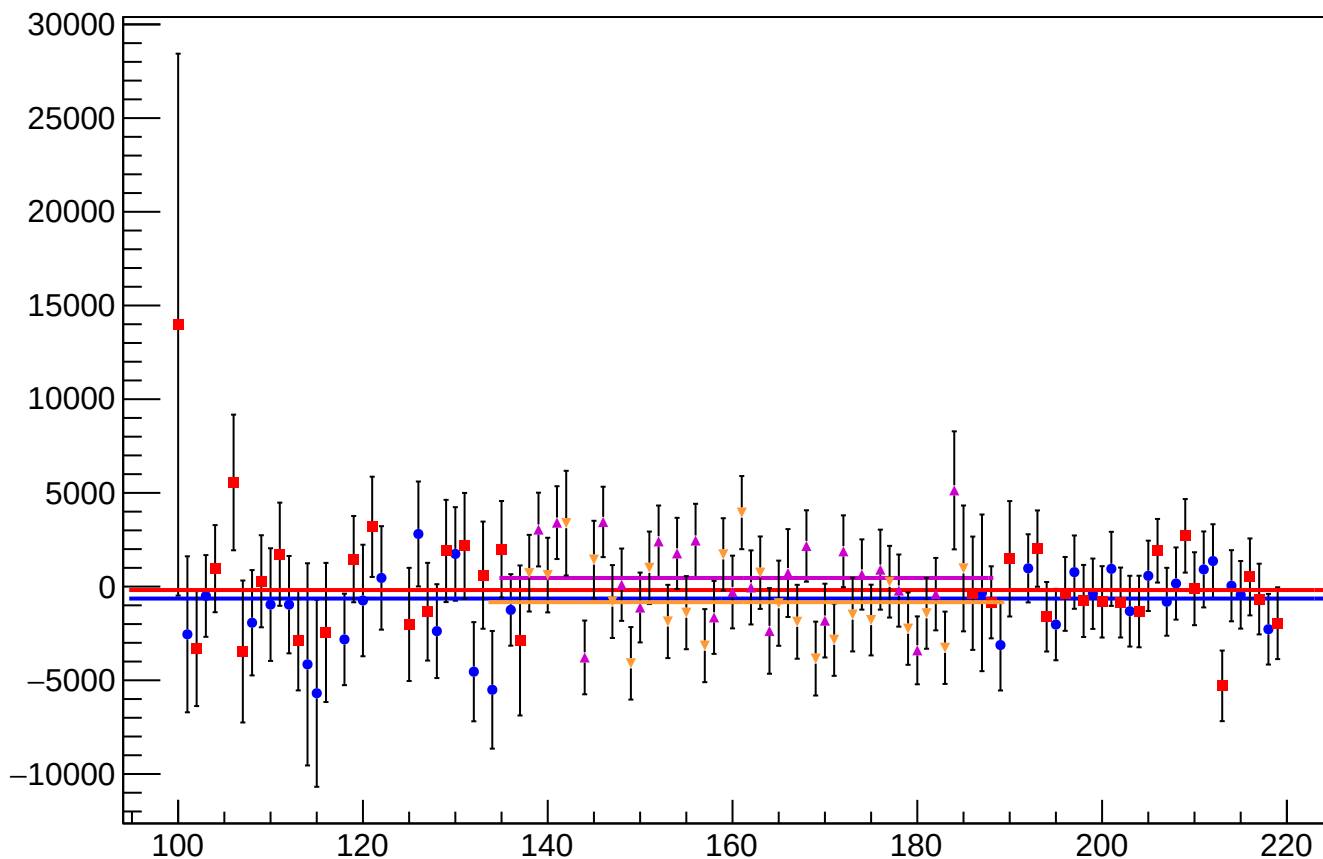
Right Out: 1325.437 ± 0.247 $\chi^2/\text{NDF}: 12867170.0/34$

All: 832.863 ± 0.076 $\chi^2/\text{NDF}: 35248186.2/11$

Left In: 714.168 ± 0.119 $\chi^2/\text{NDF}: 497252.3/22$

- sign 828.991 ± 0.107 $\chi^2/\text{NDF}: 18319103.2/57$

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -638.786 $\pm$ 400.984 χ^2 /NDF: 17.2/31

Left Out: -832.476 $\pm$ 410.448 χ^2 /NDF: 25.4/23

Right Out: -183.712 $\pm$ 393.454 χ^2 /NDF: 27.6/34

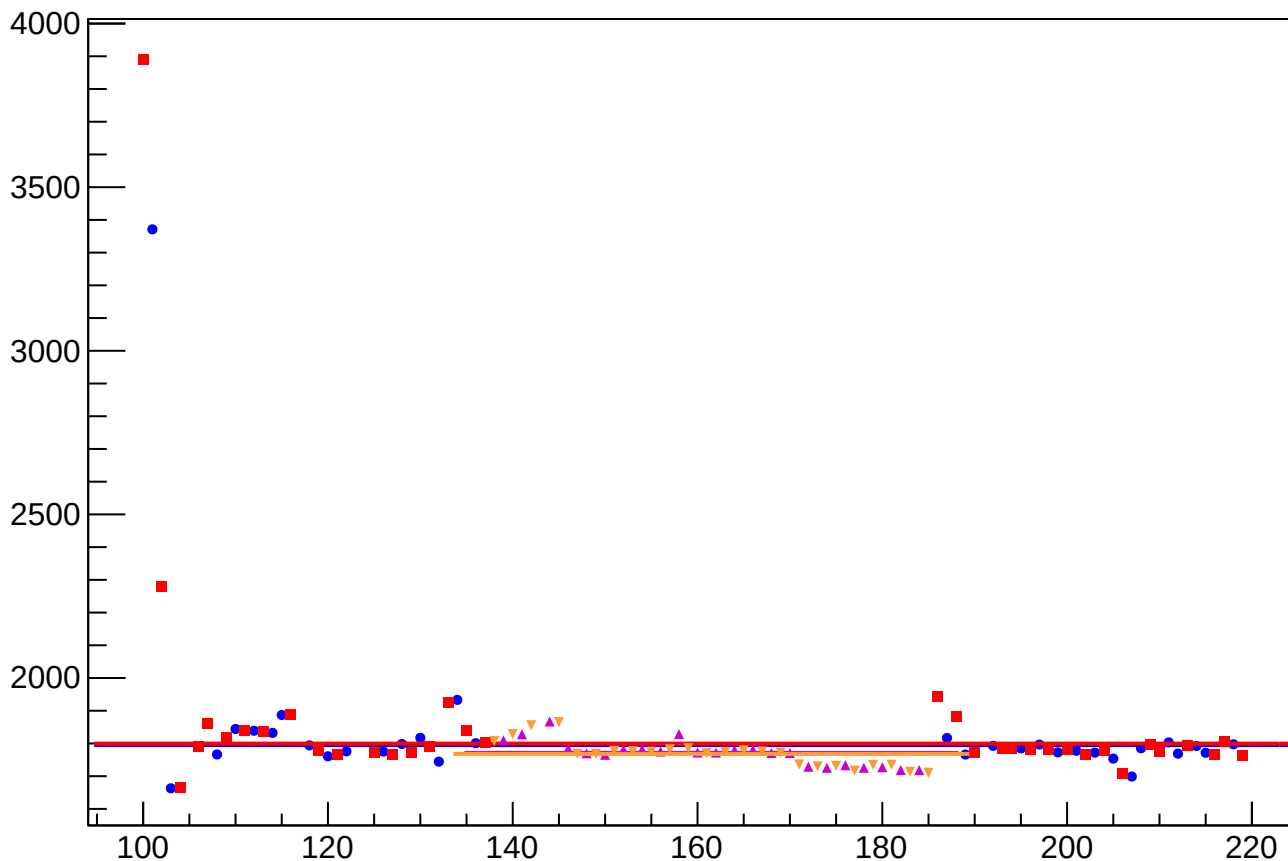
Left In: 459.554 $\pm$ 413.637 χ^2 /NDF: 27.3/22

+ sign -733.372 $\pm$ 286.826 χ^2 /NDF: 42.8/55

All: -303.157 $\pm$ 202.197 χ^2 /NDF: 103.4/113

- sign 121.844 $\pm$ 285.082 χ^2 /NDF: 56.1/57

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1795.056 $\pm$ 0.284 χ^2 /NDF: 310016.3/31

Left Out: 1768.125 $\pm$ 0.290 χ^2 /NDF:16358.2/23

Right Out: 1799.584 $\pm$ 0.278 χ^2 /NDF: 123264.9/34

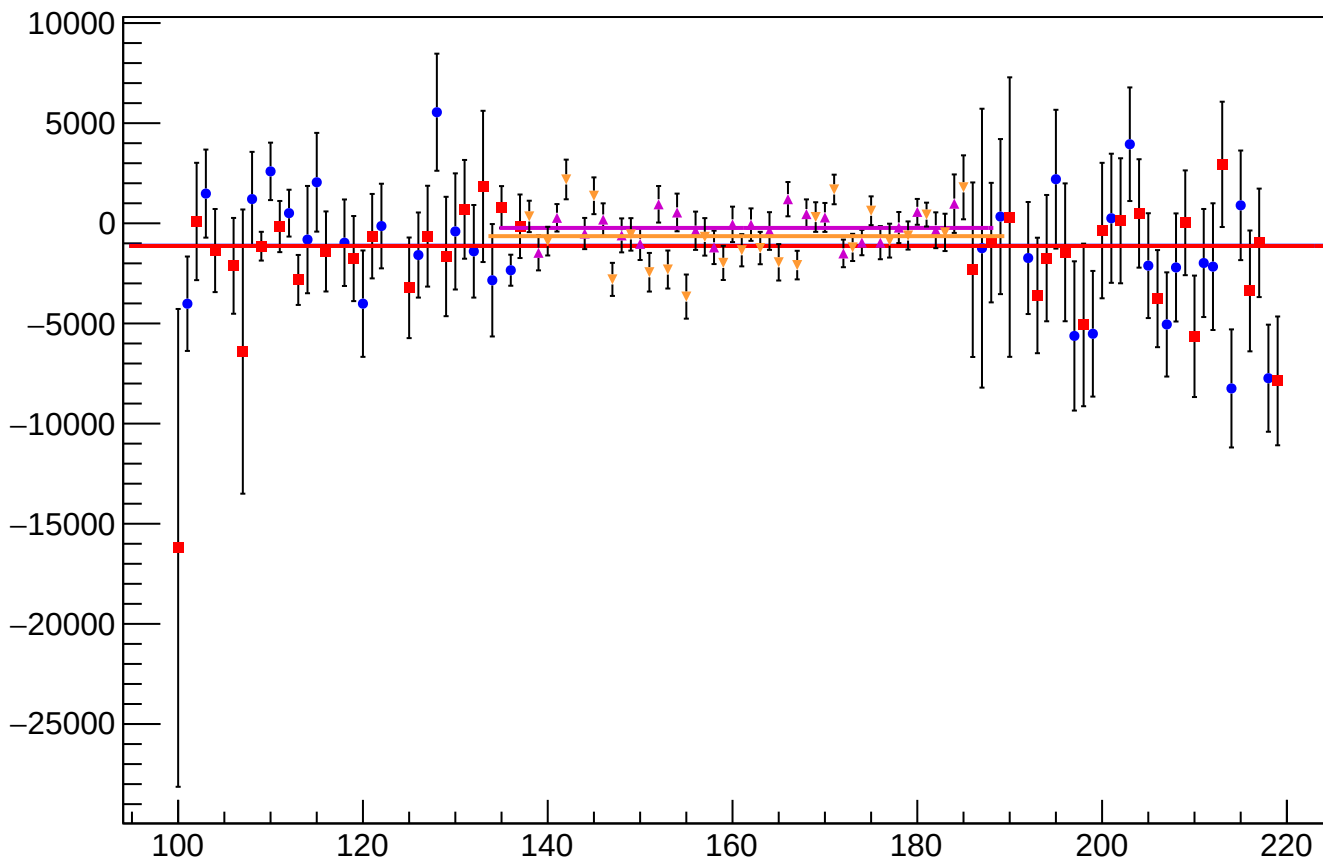
Left In: 1771.217 $\pm$ 0.292 χ^2 /NDF:16425.7/22

+ sign 1781.905 $\pm$ 0.203 χ^2 /NDF: 330780.0/55

All: 1784.020 $\pm$ 0.143 χ^2 /NDF: 475624.8/113

- sign 1786.110 $\pm$ 0.202 χ^2 /NDF: 144628.6/57

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -1118.941 $\pm$ 381.897 χ^2 /NDF: 47.0/31

Left Out: -641.004 $\pm$ 166.450 χ^2 /NDF:66.7/23

Right Out: -1131.700 $\pm$ 349.993 χ^2 /NDF: 23.5/34

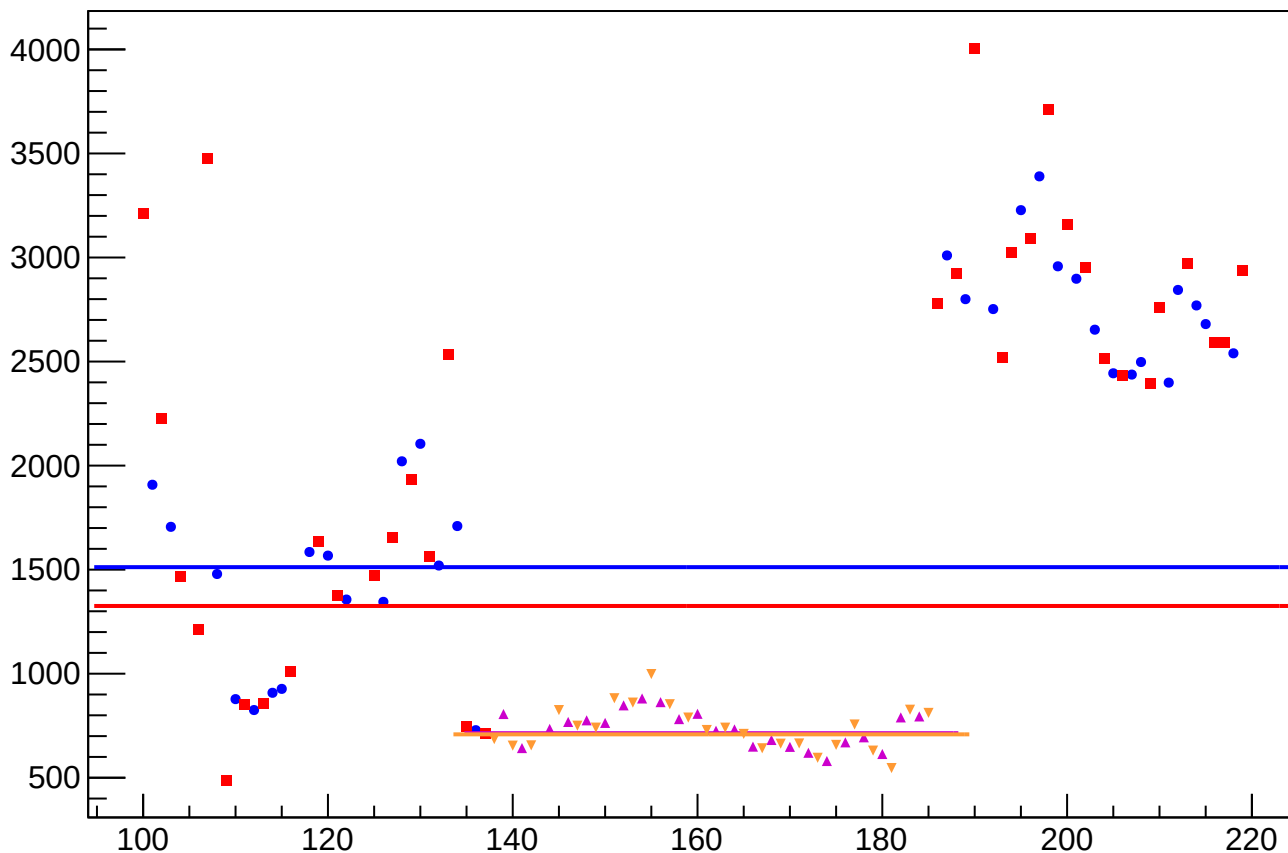
Left In: -230.572 $\pm$ 168.320 χ^2 /NDF:19.9/22

+ sign -717.302 $\pm$ 152.587 χ^2 /NDF: 115.0/55

All: -557.637 $\pm$ 107.577 χ^2 /NDF: 166.0/113

- sign -399.843 $\pm$ 151.690 χ^2 /NDF: 48.8/57

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1512.020 ± 0.270 $\chi^2/\text{NDF}: 8785779.8/31$

Left Out: 708.508 ± 0.118 $\chi^2/\text{NDF}: 700448.7/23$

Right Out: 1325.437 ± 0.247 $\chi^2/\text{NDF}: 12867170.0/34$

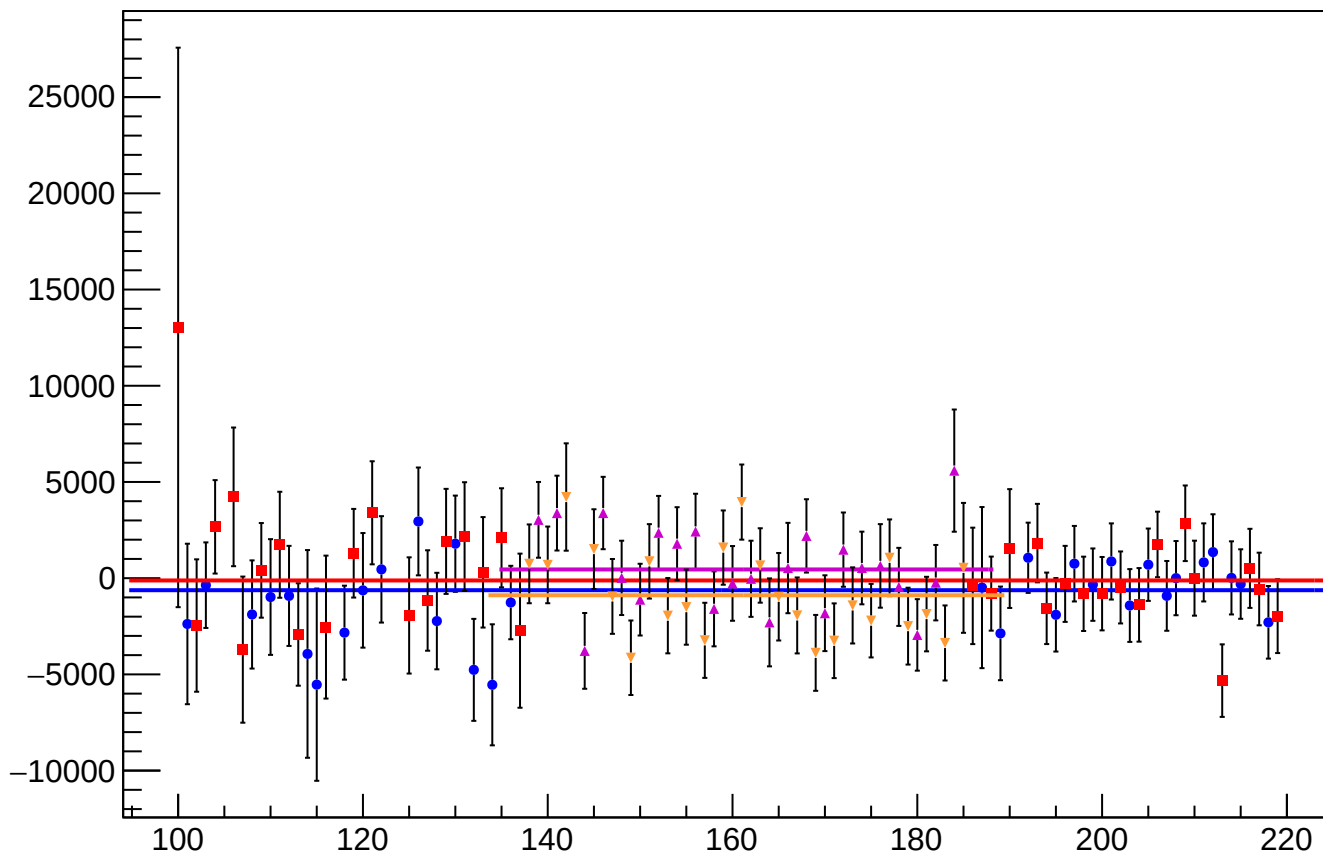
Left In: 714.168 ± 0.119 $\chi^2/\text{NDF}: 497252.3/22$

+ sign 836.781 ± 0.108 $\chi^2/\text{NDF}: 16926461.0/55$

All: 832.863 ± 0.076 $\chi^2/\text{NDF}: 35248186.2/11$

- sign 828.991 ± 0.107 $\chi^2/\text{NDF}: 18319103.2/57$

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -625.081 ± 401.791 χ^2/NDF : 17.2/31

Left Out: -886.354 ± 413.227 χ^2/NDF : 28.1/23

Right Out: -118.256 ± 395.127 χ^2/NDF : 26.9/34

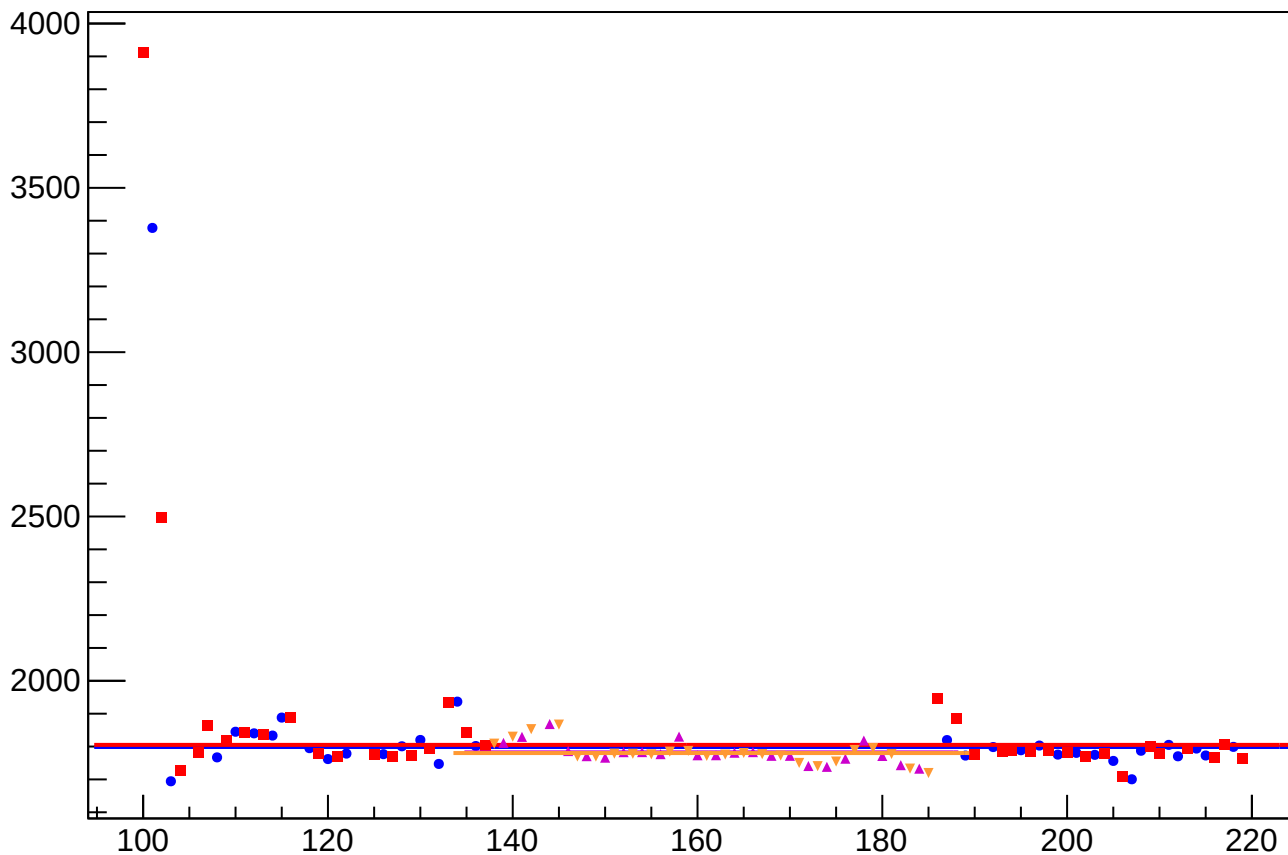
Left In: 453.237 ± 416.200 χ^2/NDF : 25.8/22

+ sign -752.052 ± 288.067 χ^2/NDF : 45.5/55

All: -297.320 ± 203.158 χ^2/NDF : 104.2/113

- sign 152.656 ± 286.557 χ^2/NDF : 53.7/57

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1798.692 $\pm$ 0.284 χ^2 /NDF: 307467.5/31

Left Out: 1780.220 $\pm$ 0.292 χ^2 /NDF:10380.2/23

Right Out: 1805.064 $\pm$ 0.279 χ^2 /NDF: 151464.4/34

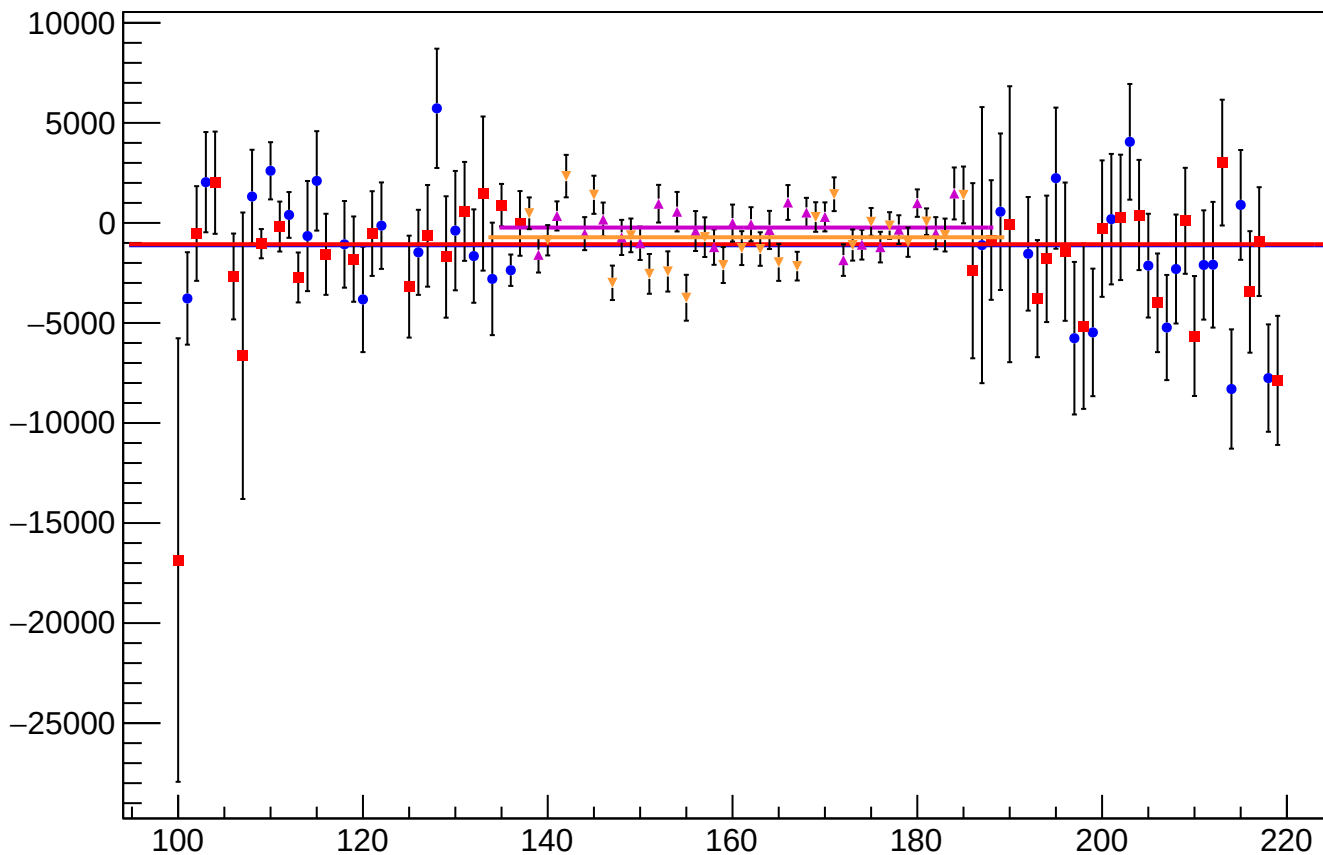
Left In: 1782.298 $\pm$ 0.294 χ^2 /NDF:11232.1/22

+ sign 1789.716 $\pm$ 0.204 χ^2 /NDF: 319902.0/55

All: 1792.006 $\pm$ 0.144 χ^2 /NDF: 485997.3/113

- sign 1794.272 $\pm$ 0.203 χ^2 /NDF: 165843.8/57

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug



Right In: -1116.709 $\pm$ 384.933 χ^2 /NDF: 47.1/31

Left Out: -716.600 $\pm$ 170.602 χ^2 /NDF: 59.4/23

Right Out: -1064.254 $\pm$ 352.184 χ^2 /NDF: 25.9/34

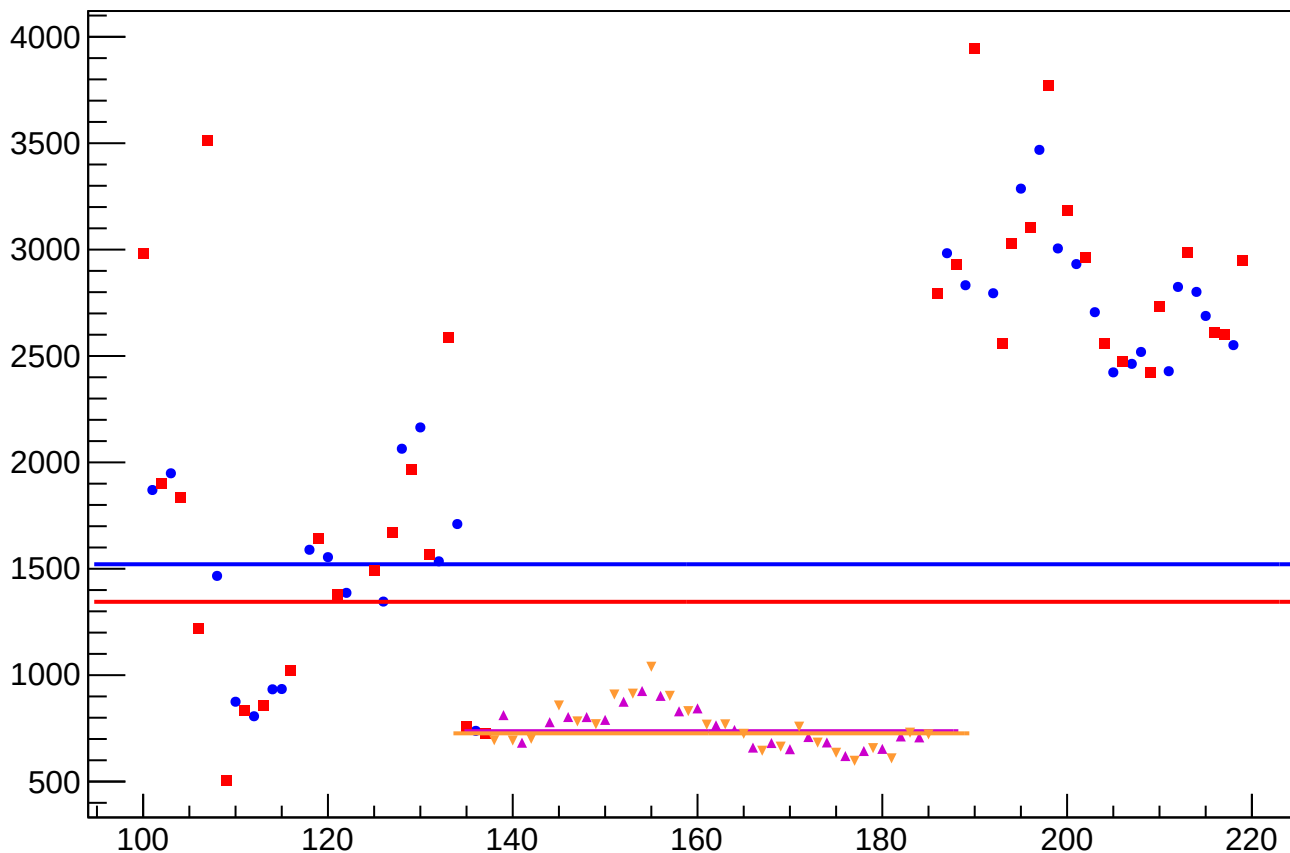
Left In: -231.320 $\pm$ 173.436 χ^2 /NDF: 24.1/22

+ sign -782.289 $\pm$ 155.970 χ^2 /NDF: 107.3/55

All: -587.619 $\pm$ 110.154 χ^2 /NDF: 164.9/113

- sign -393.893 $\pm$ 155.592 χ^2 /NDF: 54.5/57

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1521.216 $\pm$ 0.272 χ^2/NDF : 8920433.4/31

Left Out: 726.604 $\pm$ 0.121 χ^2/NDF : 684784.1/23

Right Out: 1344.744 $\pm$ 0.249 χ^2/NDF : 12727846.8/34

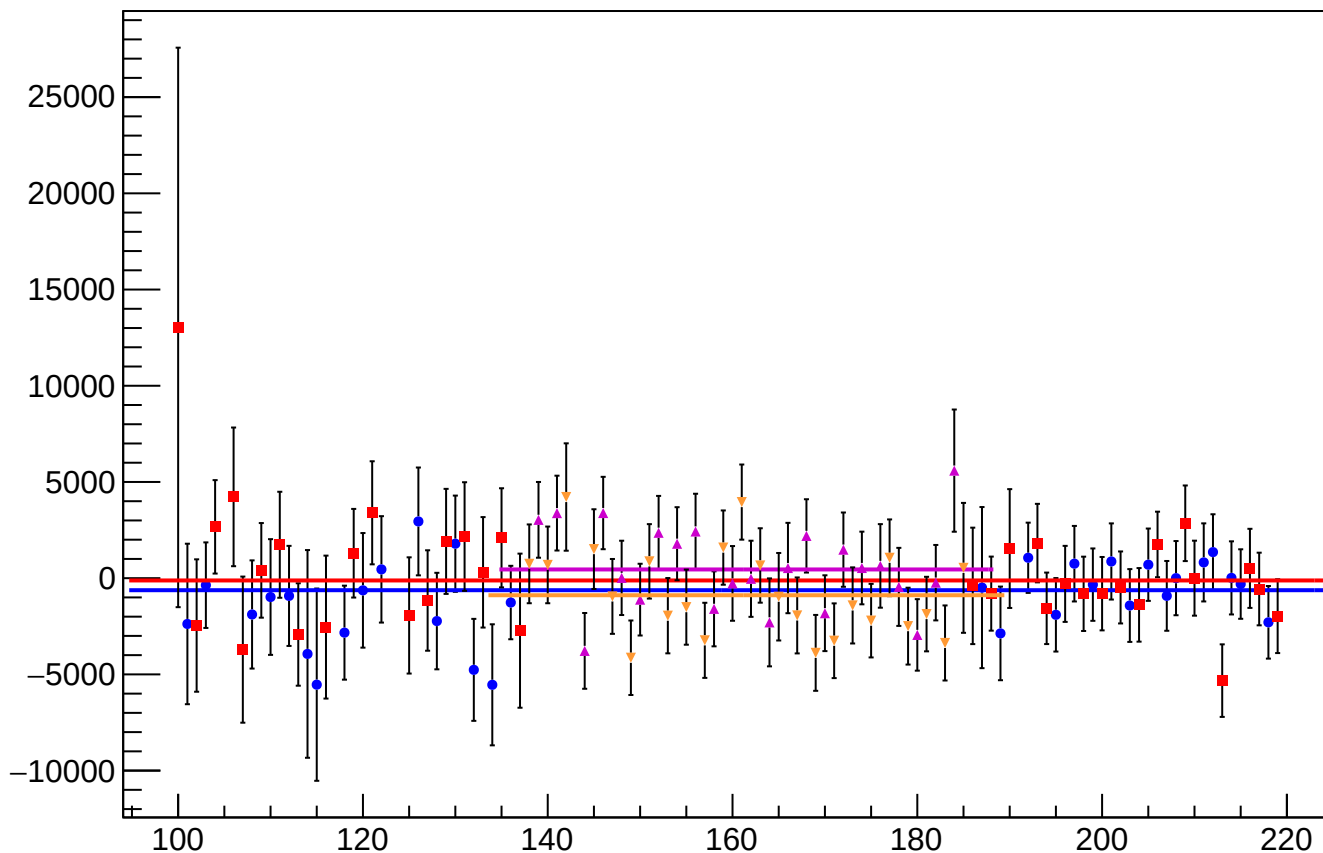
Left In: 736.709 $\pm$ 0.123 χ^2/NDF : 465041.6/22

+ sign 857.062 $\pm$ 0.110 χ^2/NDF : 16728549.7/55

All: 856.222 $\pm$ 0.078 χ^2/NDF : 34719404.4/11

- sign 855.386 $\pm$ 0.110 χ^2/NDF : 17990739.0/57

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -625.079 ± 401.791 χ^2/NDF : 17.2/31

Left Out: -886.352 ± 413.227 χ^2/NDF : 28.1/23

Right Out: -118.252 ± 395.127 χ^2/NDF : 26.9/34

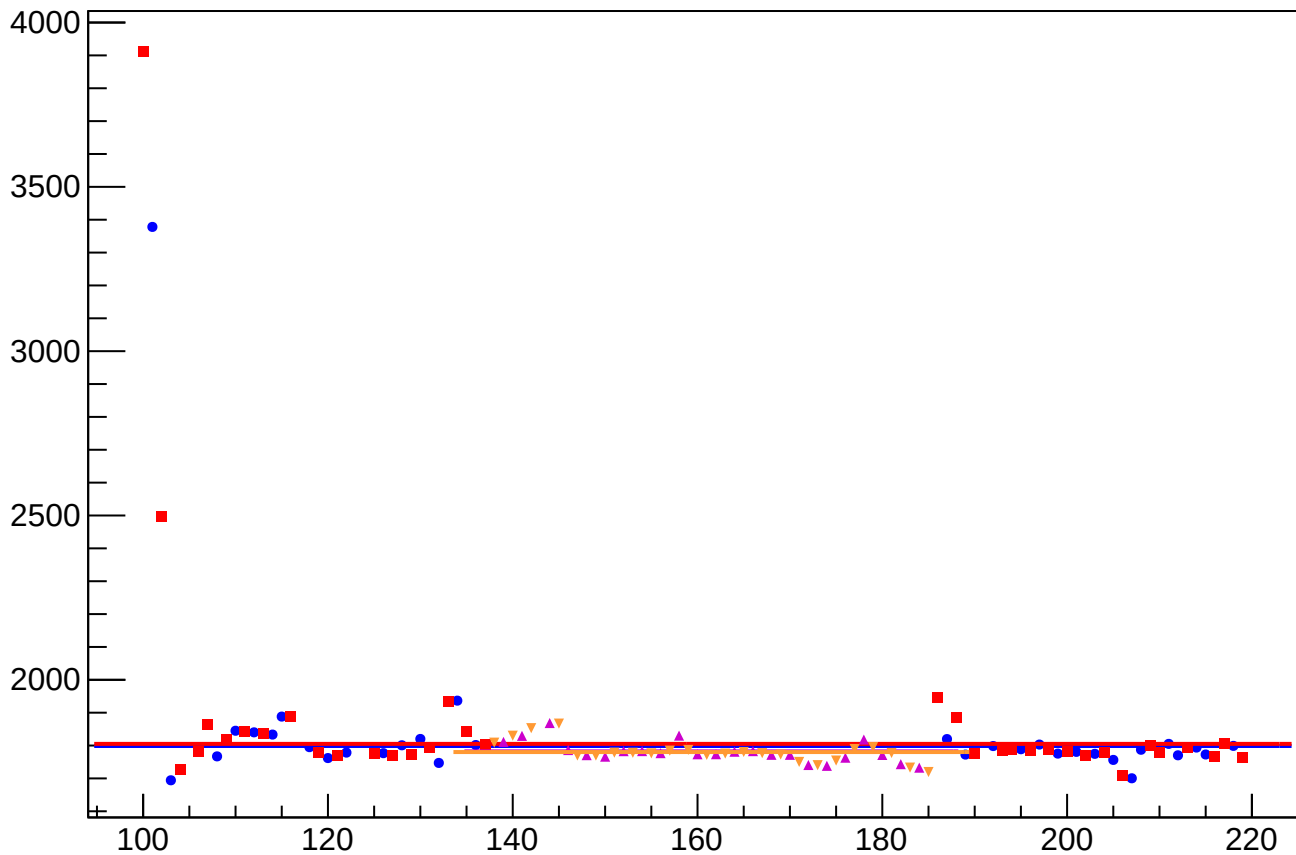
Left In: 453.236 ± 416.200 χ^2/NDF : 25.8/22

+ sign -752.050 ± 288.067 χ^2/NDF : 45.5/55

All: -297.318 ± 203.158 χ^2/NDF : 104.2/113

- sign 152.658 ± 286.557 χ^2/NDF : 53.7/57

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1798.692 $\pm$ 0.284 χ^2 /NDF: 307467.5/31

Left Out: 1780.220 $\pm$ 0.292 χ^2 /NDF:10380.2/23

Right Out: 1805.064 $\pm$ 0.279 χ^2 /NDF: 151464.4/34

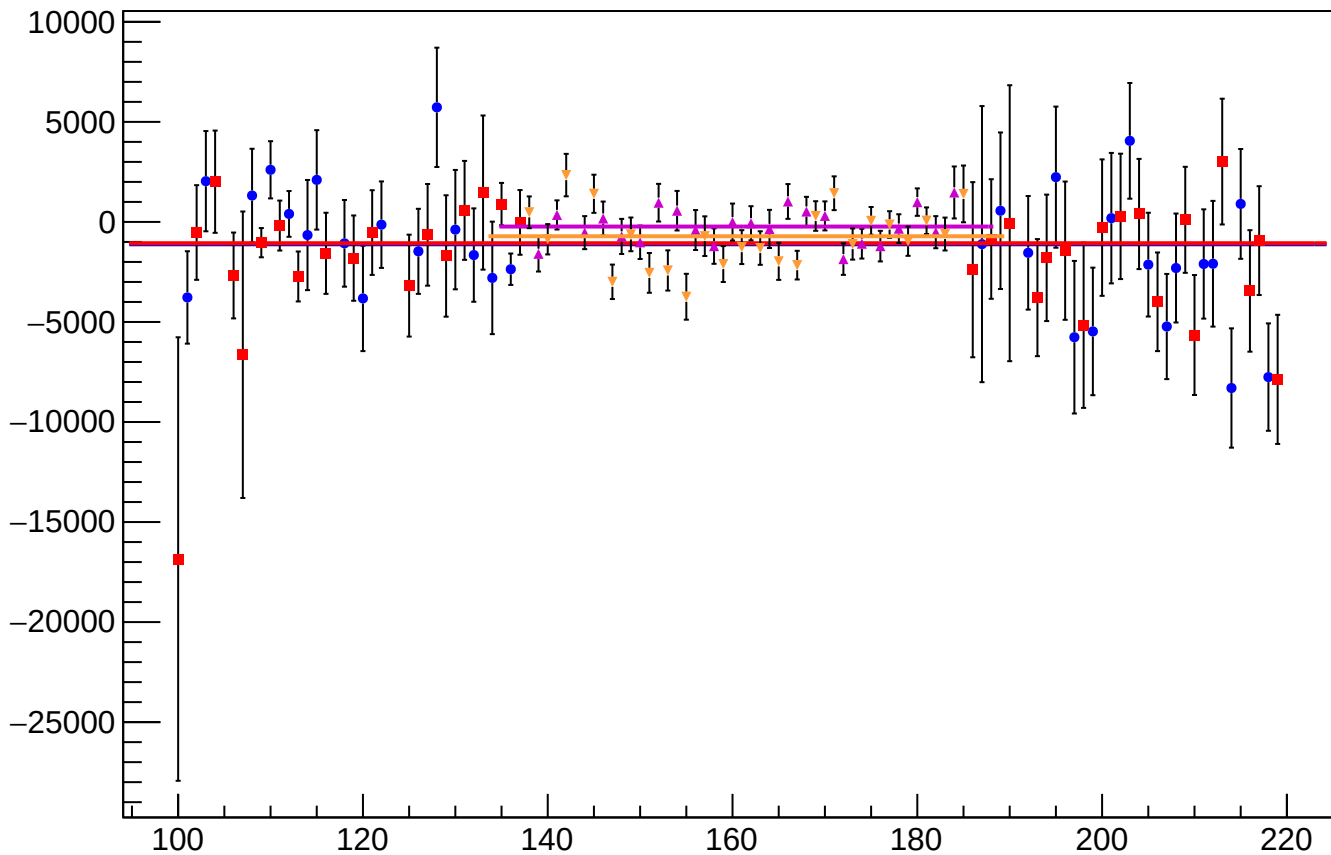
Left In: 1782.298 $\pm$ 0.294 χ^2 /NDF:11232.1/22

+ sign 1789.715 $\pm$ 0.204 χ^2 /NDF: 319902.0/55

All: 1792.006 $\pm$ 0.144 χ^2 /NDF: 485997.5/113

- sign 1794.272 $\pm$ 0.203 χ^2 /NDF: 165843.9/57

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -1116.700 ± 384.933 χ^2/NDF : 47.1/31

Left Out: -716.601 ± 170.602 χ^2/NDF : 59.4/23

Right Out: -1064.259 ± 352.184 χ^2/NDF : 25.9/34

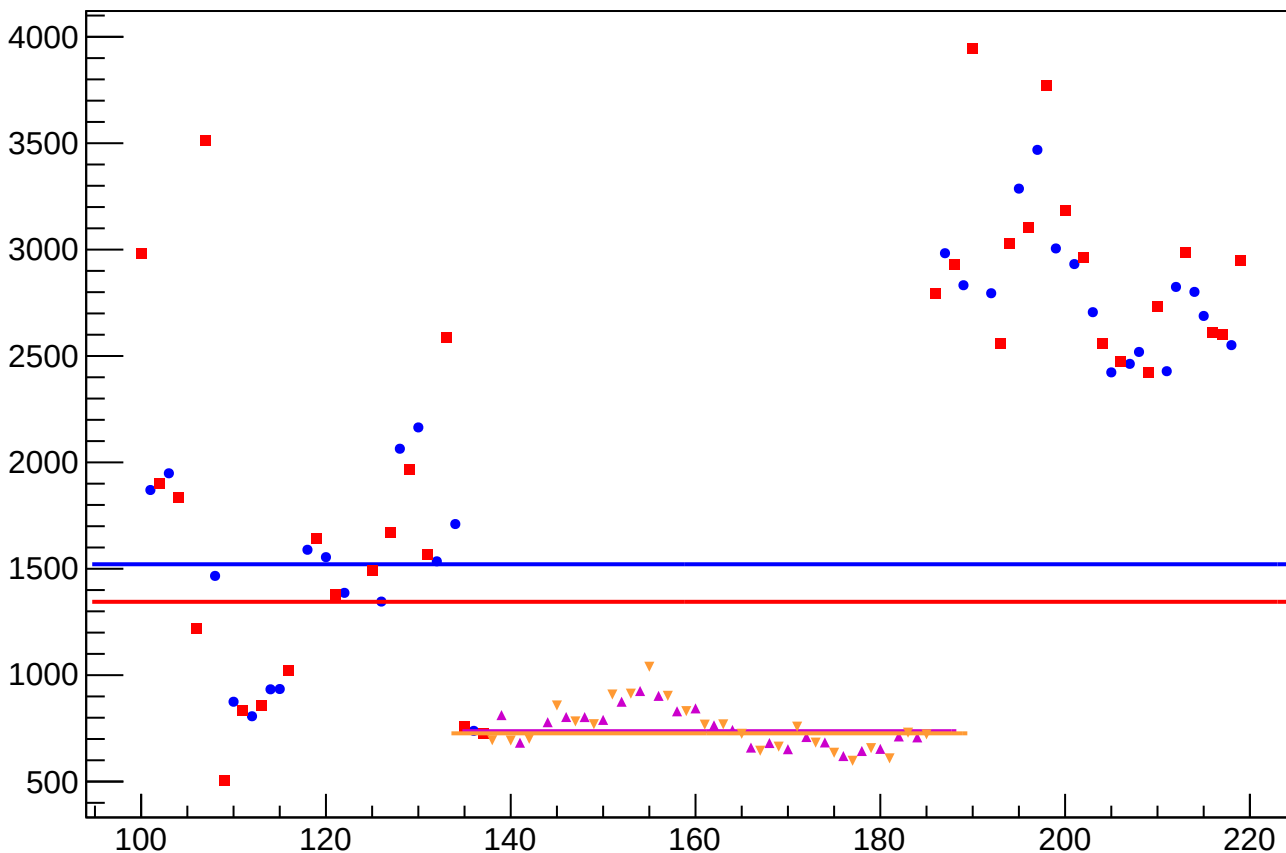
Left In: -231.318 ± 173.435 χ^2/NDF : 24.1/22

+ sign -782.288 ± 155.970 χ^2/NDF : 107.3/55

All: -587.618 ± 110.154 χ^2/NDF : 164.9/113

- sign -393.892 ± 155.592 χ^2/NDF : 54.5/57

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 1521.219 $\pm$ 0.272 χ^2 /NDF: 8920374.1/31

Left Out: 726.605 $\pm$ 0.121 χ^2 /NDF: 684780.2/23

+ sign 857.062 $\pm$ 0.110 χ^2 /NDF: 16728521.1/55

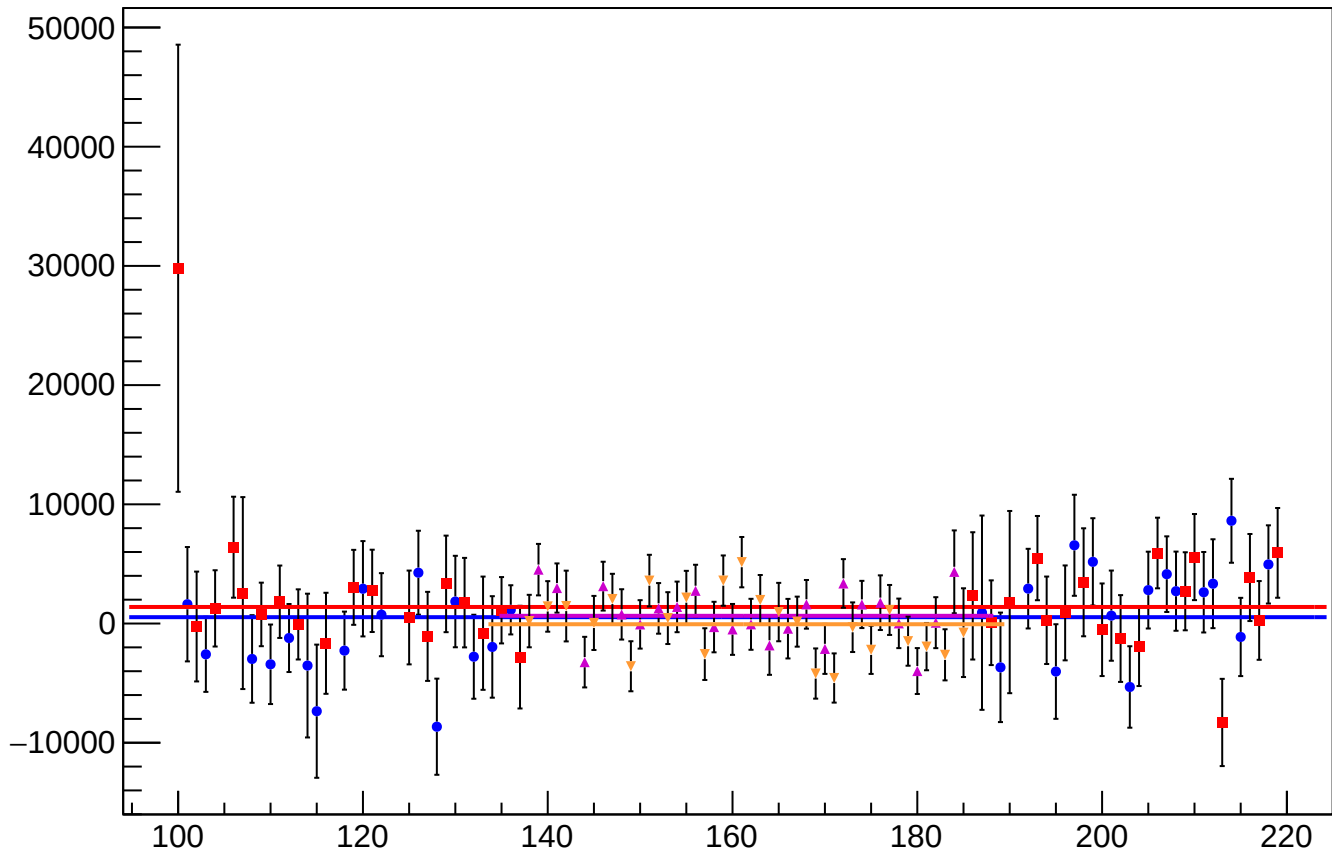
Right Out: 1344.746 $\pm$ 0.249 χ^2 /NDF: 12727802.5/34

All: 856.222 $\pm$ 0.078 χ^2 /NDF: 34719386.2/1

Left In: 736.709 $\pm$ 0.123 χ^2 /NDF: 465053.4/22

- sign 855.386 $\pm$ 0.110 χ^2 /NDF: 17990749.3/57

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: 532.641 ± 629.507 χ^2/NDF : 34.8/31

Left Out: -59.589 ± 445.601 χ^2/NDF : 33.0/23

Right Out: 1389.005 ± 626.728 χ^2/NDF : 23.5/34

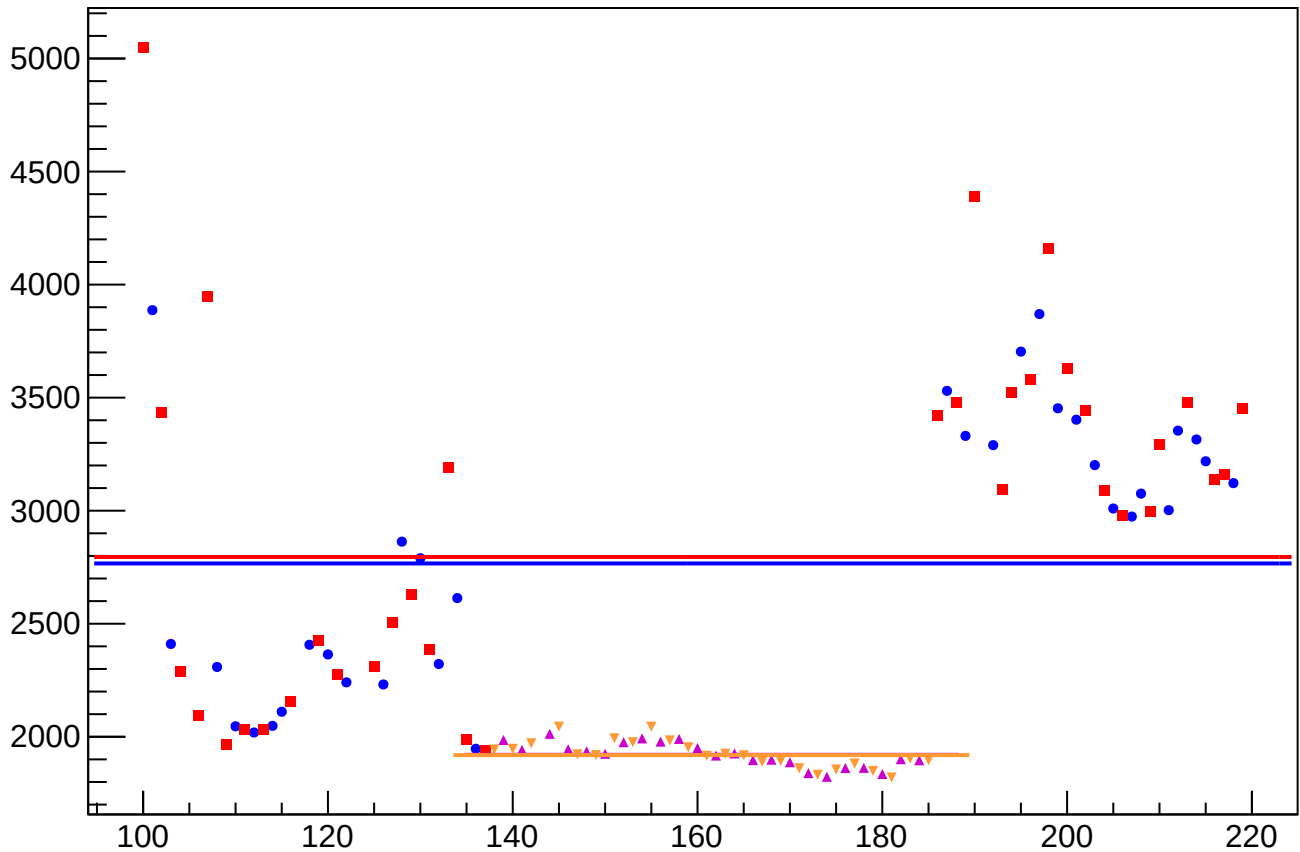
Left In: 646.910 ± 448.538 χ^2/NDF : 23.7/22

+ sign 138.100 ± 363.703 χ^2/NDF : 68.4/55

All: 517.092 ± 257.546 χ^2/NDF : 118.6/113

- sign 898.267 ± 364.749 χ^2/NDF : 48.1/57

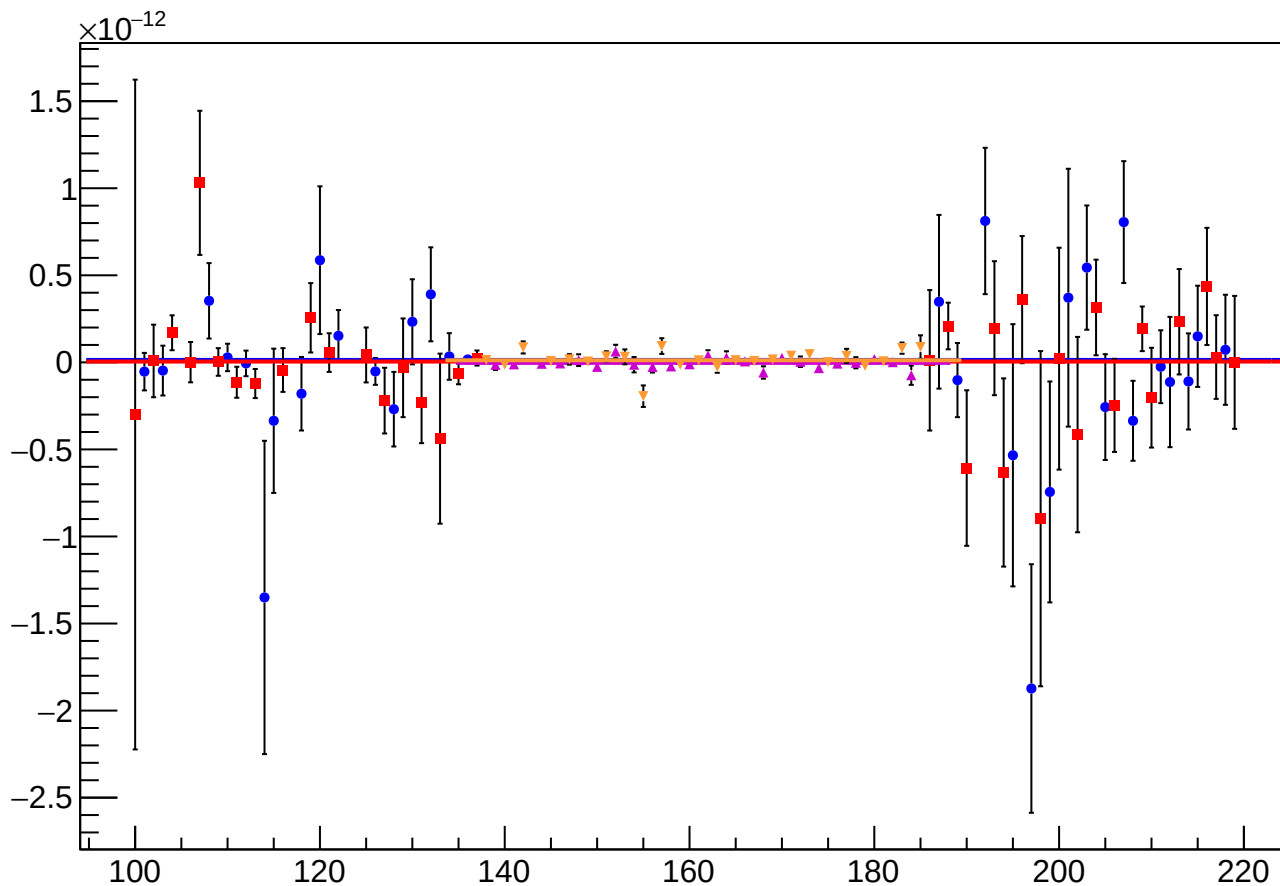
asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2766.648+/-0.445 χ^2/NDF : 1649547.5/31
 Left Out: 1918.975+/-0.315 χ^2/NDF : 35574.5/23
 Right Out: 2795.233+/-0.443 χ^2/NDF : 2056145.3/34
 Left In: 1920.214+/-0.317 χ^2/NDF : 29912.0/22

+ sign 2201.933+/-0.257 χ^2/NDF : 4101070.3/55
 All: 2209.244+/-0.182 χ^2/NDF : 8766844.2/11
 - sign 2216.596+/-0.258 χ^2/NDF : 4664153.4/57

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.5/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.1/34

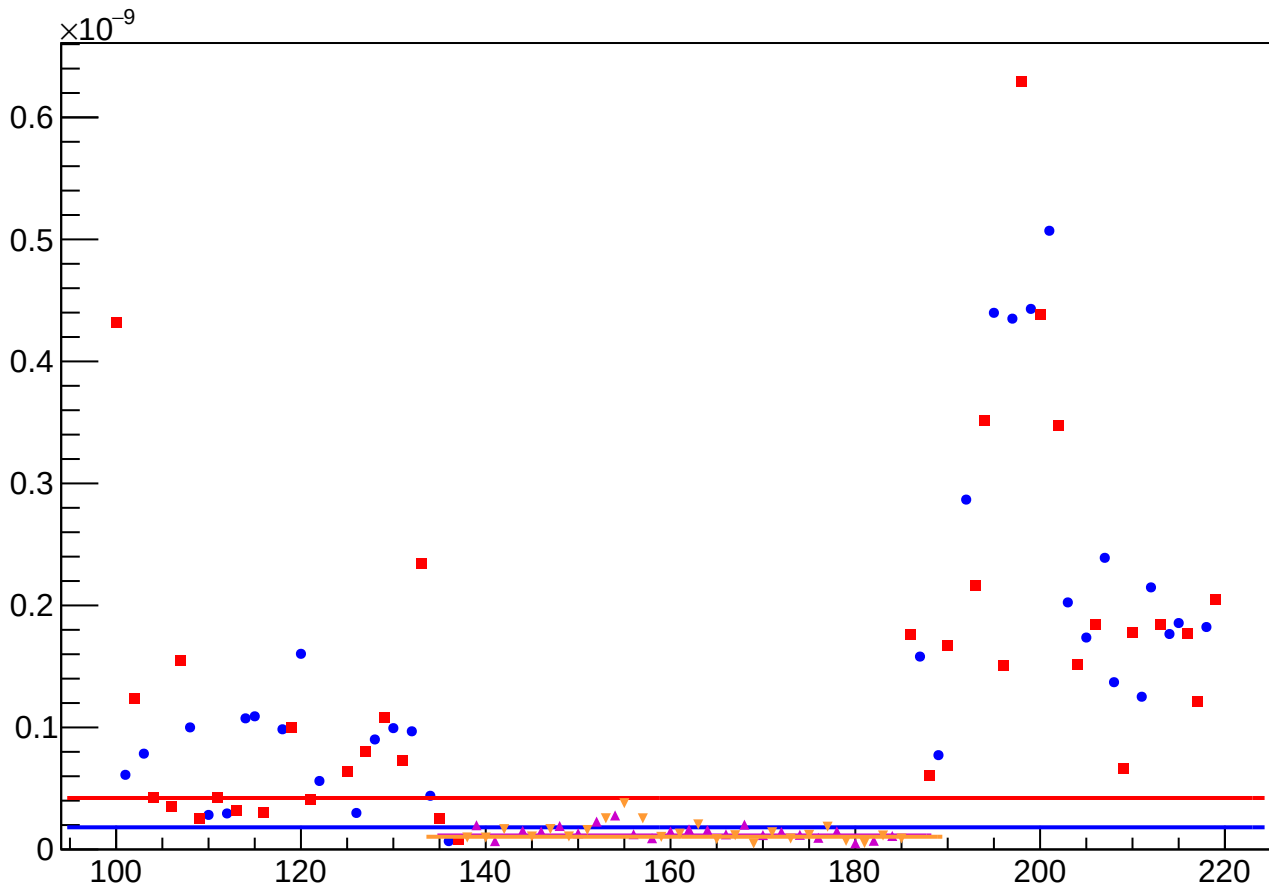
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:19.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 77.6/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 137.4/113

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.8/57

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 13169666.8/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2075235.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9330768.4/34

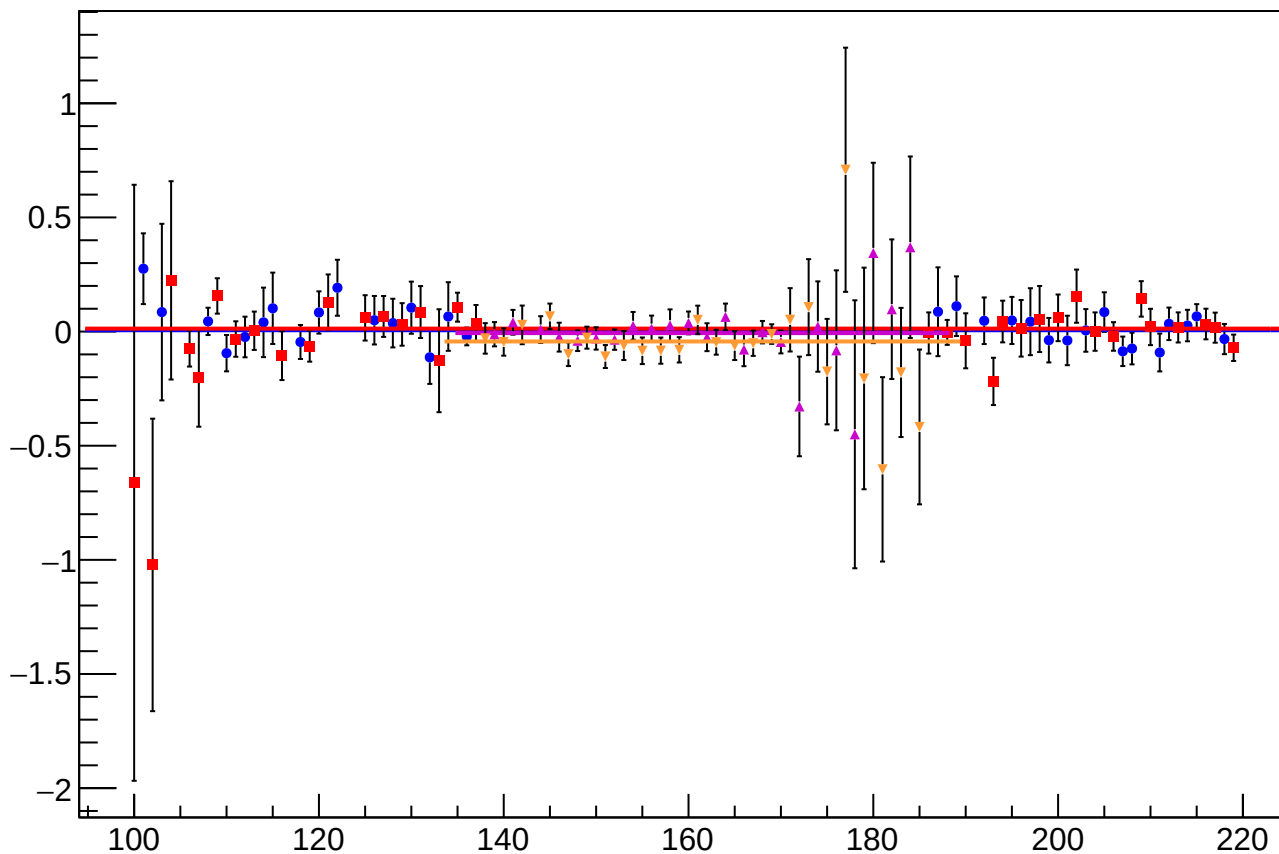
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1894438.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 15808473.9/55

All: 0.000 $\pm$ 0.000 χ^2/NDF : 30683500.5/113

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 14744571.1/57

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.015 χ^2 /NDF: 20.8/31

Left Out: -0.043 $\pm$ 0.014 χ^2 /NDF: 18.9/23

Right Out: 0.013 $\pm$ 0.015 χ^2 /NDF: 28.7/34

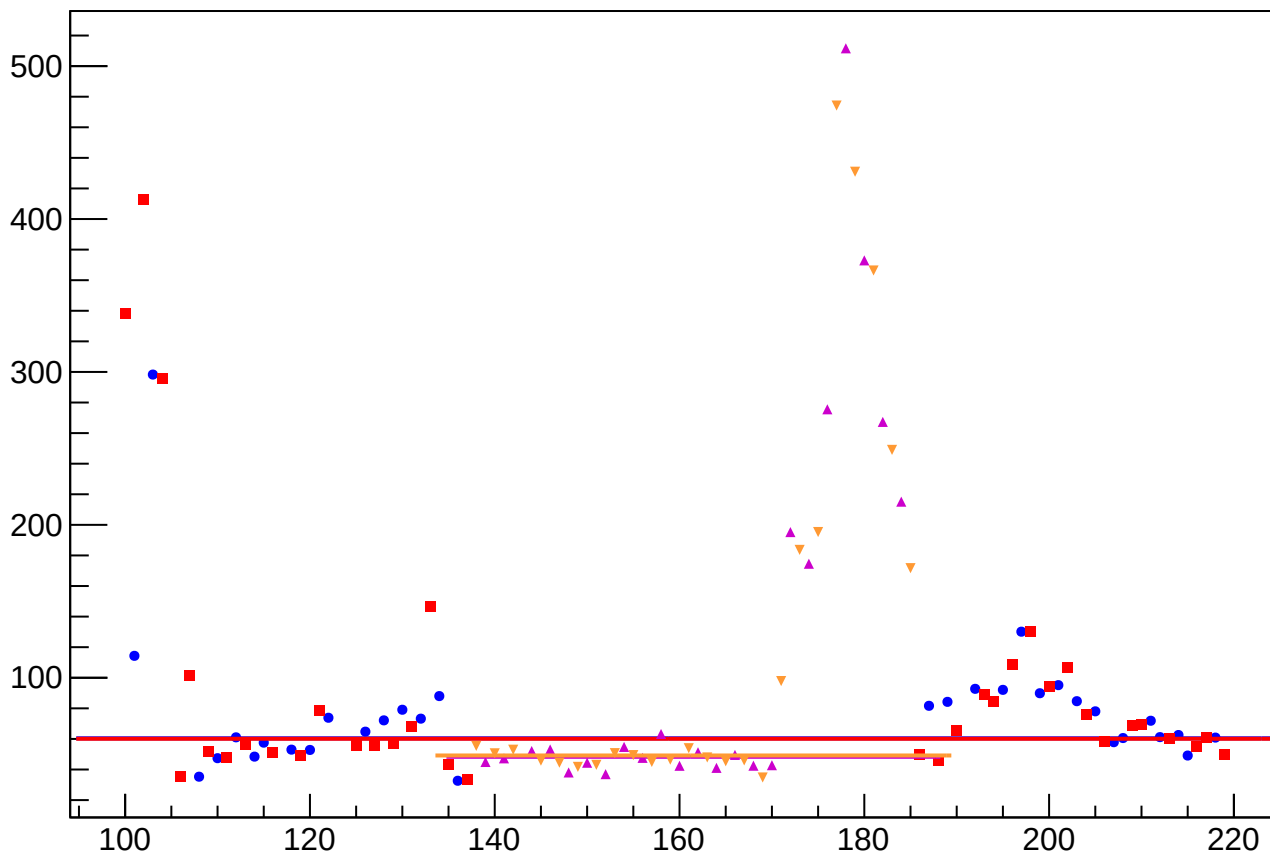
Left In: -0.007 $\pm$ 0.014 χ^2 /NDF: 11.3/22

+ sign -0.021 $\pm$ 0.010 χ^2 /NDF: 45.5/55

All: -0.009 $\pm$ 0.007 χ^2 /NDF: 89.0/113

- sign 0.002 $\pm$ 0.010 χ^2 /NDF: 41.0/57

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.403 $\pm$ 0.011 χ^2 /NDF: 4335243.0/31

Left Out: 49.180 $\pm$ 0.010 χ^2 /NDF: 7250092.4/23

Right Out: 60.111 $\pm$ 0.010 χ^2 /NDF: 4400085.4/34

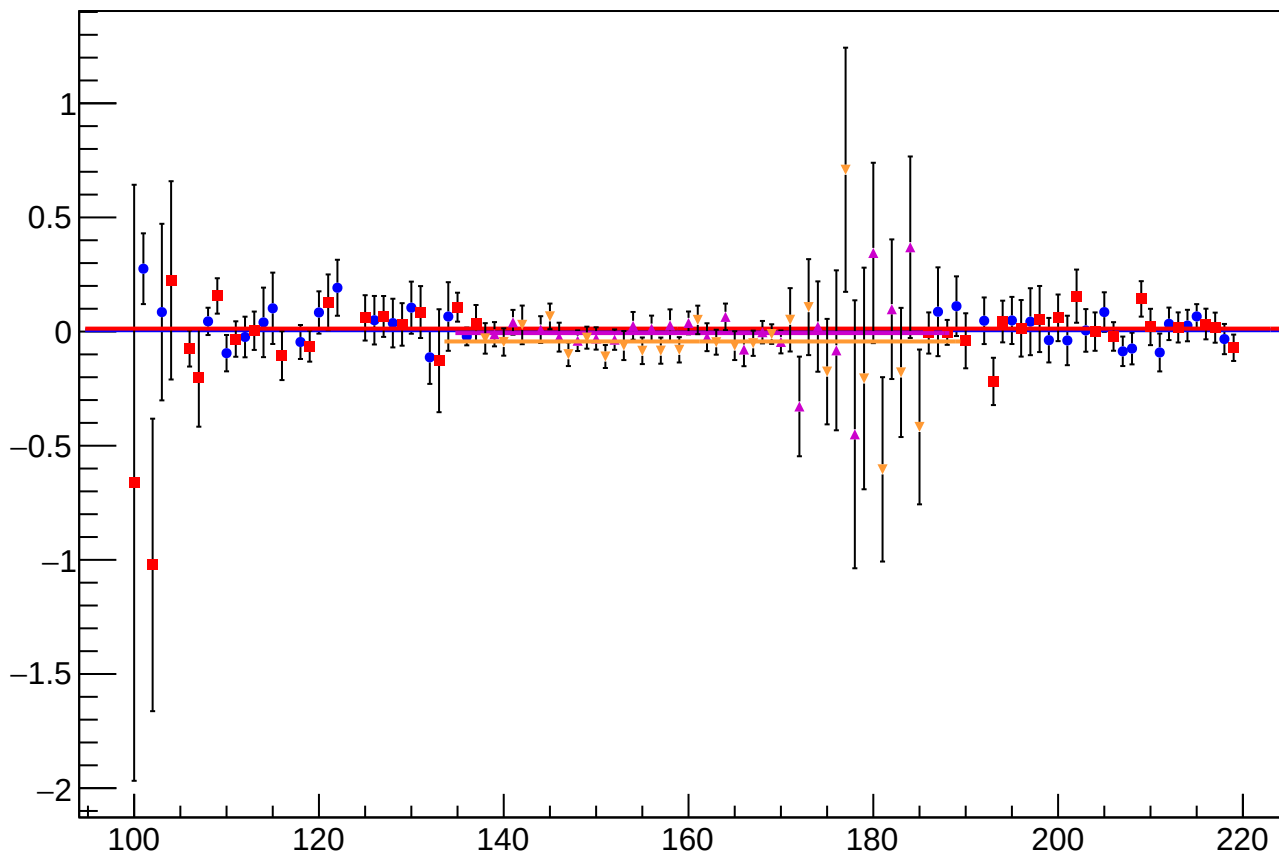
Left In: 48.307 $\pm$ 0.010 χ^2 /NDF: 7040663.5/22

+ sign 54.355 $\pm$ 0.007 χ^2 /NDF: 12185996.3/55

All: 54.019 $\pm$ 0.005 χ^2 /NDF: 24327065.6/113

- sign 53.698 $\pm$ 0.007 χ^2 /NDF: 12136834.9/57

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.015 χ^2 /NDF: 20.8/31

Left Out: -0.043 $\pm$ 0.014 χ^2 /NDF: 18.9/23

Right Out: 0.013 $\pm$ 0.015 χ^2 /NDF: 28.7/34

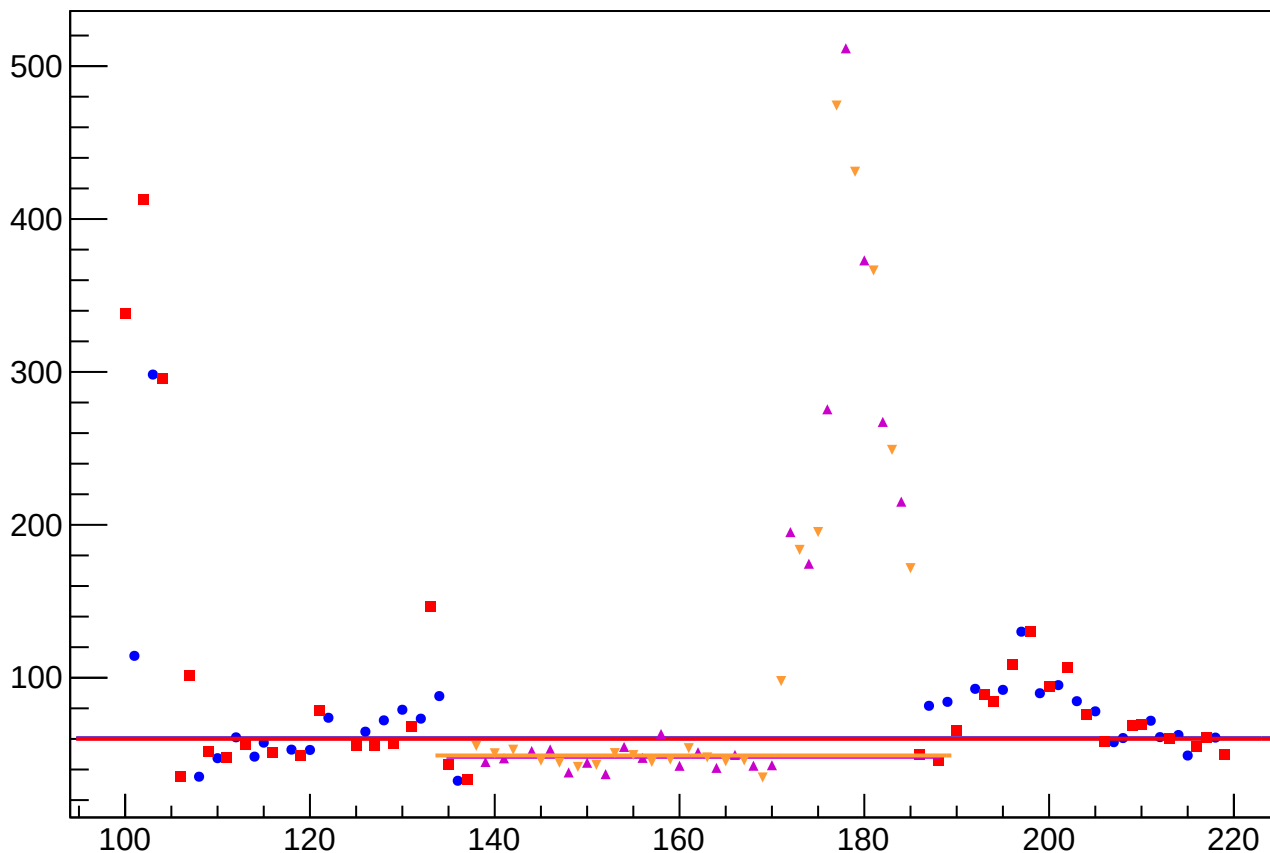
Left In: -0.007 $\pm$ 0.014 χ^2 /NDF: 11.3/22

+ sign -0.021 $\pm$ 0.010 χ^2 /NDF: 45.5/55

All: -0.009 $\pm$ 0.007 χ^2 /NDF: 89.0/113

- sign 0.002 $\pm$ 0.010 χ^2 /NDF: 41.0/57

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.403+/-0.011 χ^2/NDF : 4335243.0/31

Left Out: 49.180+/-0.010 χ^2/NDF : 7250092.4/23

Right Out: 60.111+/-0.010 χ^2/NDF : 4400085.4/34

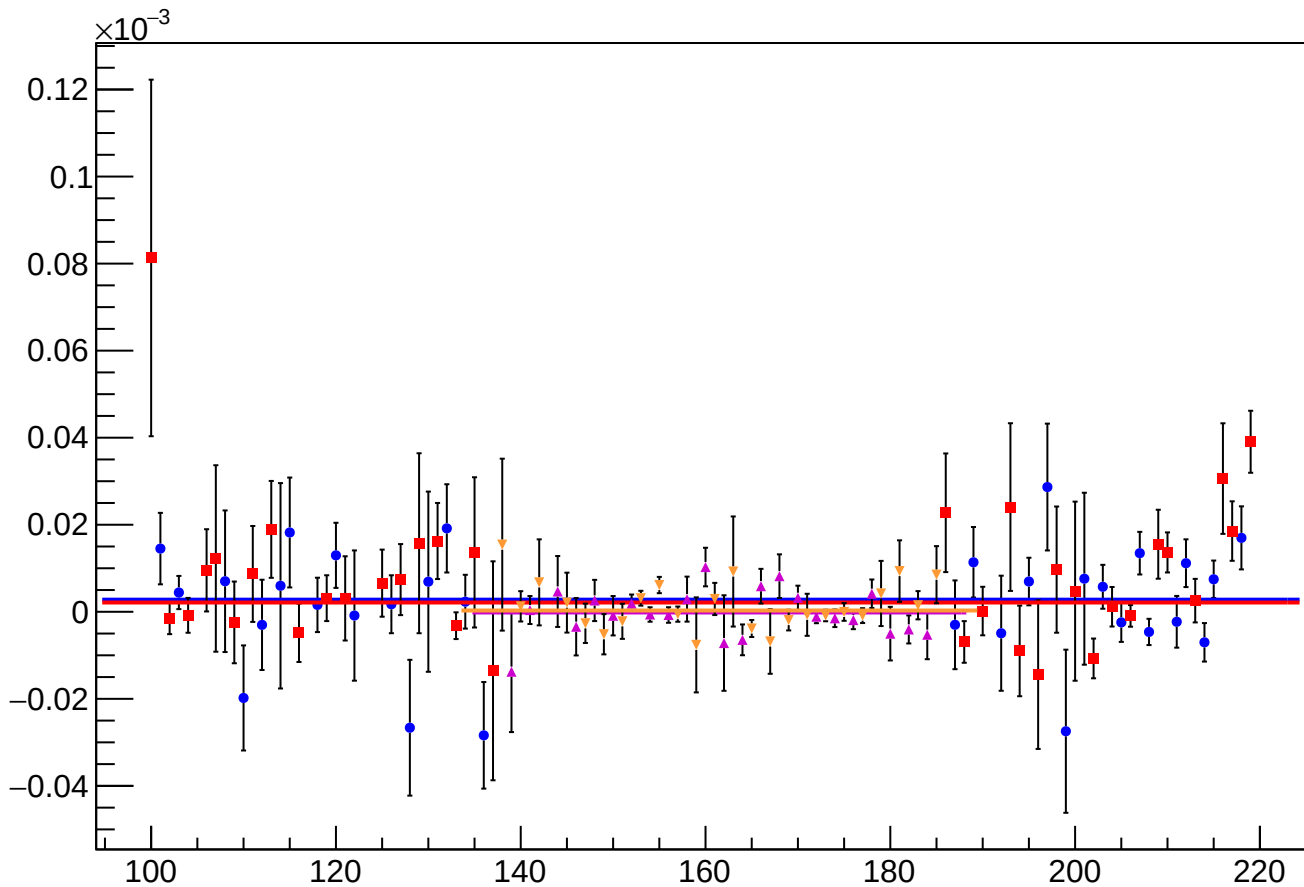
Left In: 48.307+/-0.010 χ^2/NDF : 7040663.5/22

+ sign 54.355+/-0.007 χ^2/NDF : 12185996.3/55

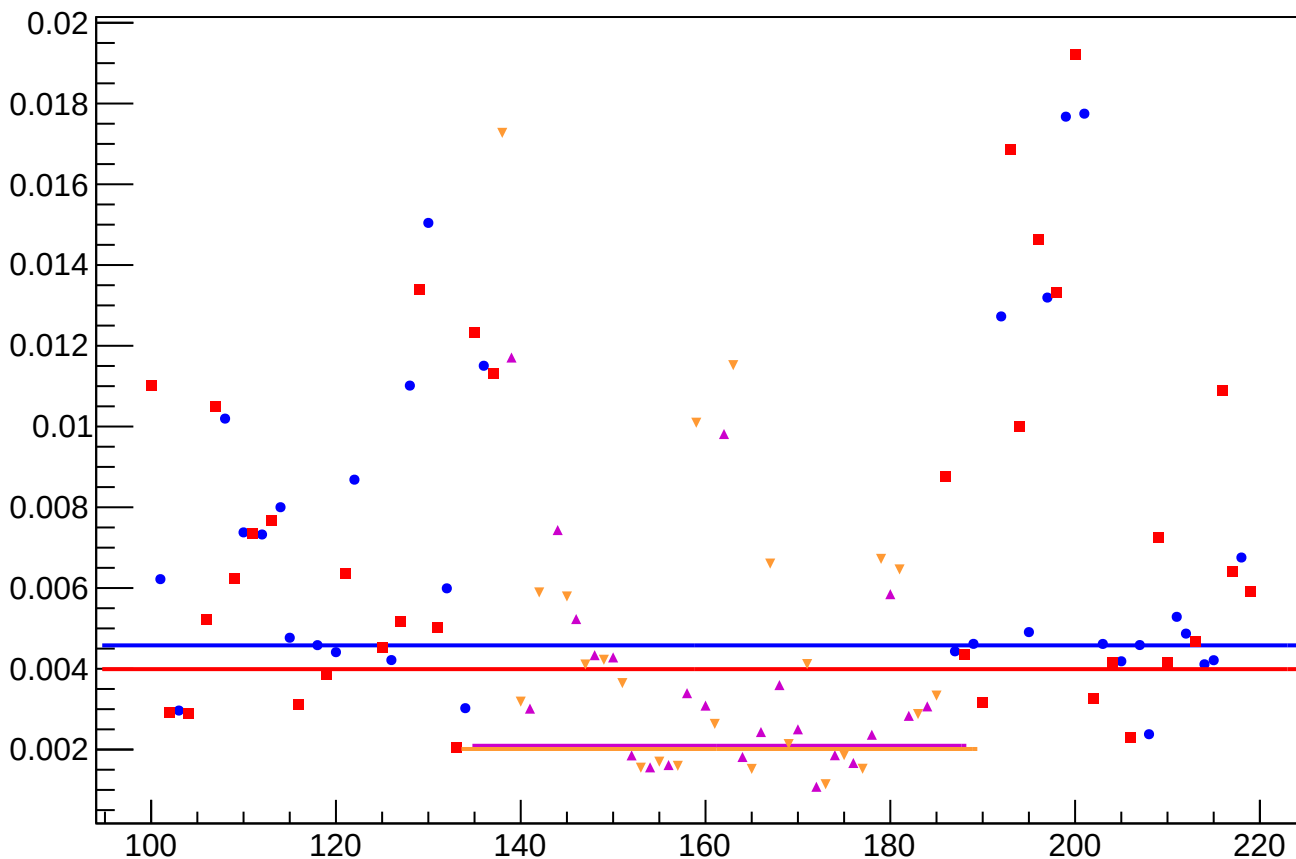
All: 54.019+/-0.005 χ^2/NDF : 24327065.6/113

- sign 53.698+/-0.007 χ^2/NDF : 12136834.9/57

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005 ± 0.000 $\chi^2/\text{NDF}: 7442818.2/31$

Left Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 10262318.5/23$

Right Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 10105808.7/34$

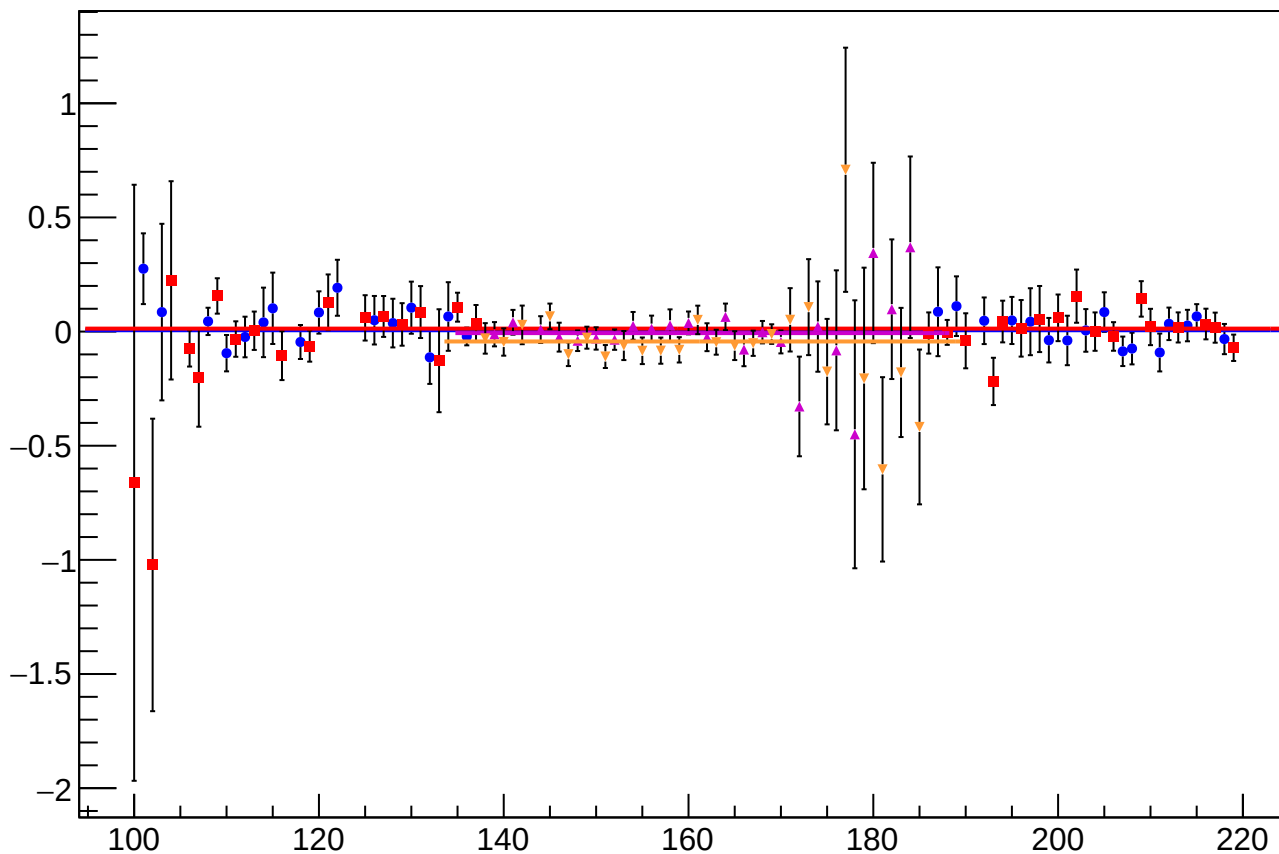
Left In: 0.002 ± 0.000 $\chi^2/\text{NDF}: 7141979.6/22$

+ sign 0.003 ± 0.000 $\chi^2/\text{NDF}: 25513647.4/55$

All: 0.003 ± 0.000 $\chi^2/\text{NDF}: 47731754.8/113$

- sign 0.003 ± 0.000 $\chi^2/\text{NDF}: 22197947.2/57$

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.015 χ^2 /NDF: 20.8/31

Left Out: -0.043 $\pm$ 0.014 χ^2 /NDF:18.9/23

Right Out: 0.013 $\pm$ 0.015 χ^2 /NDF: 28.7/34

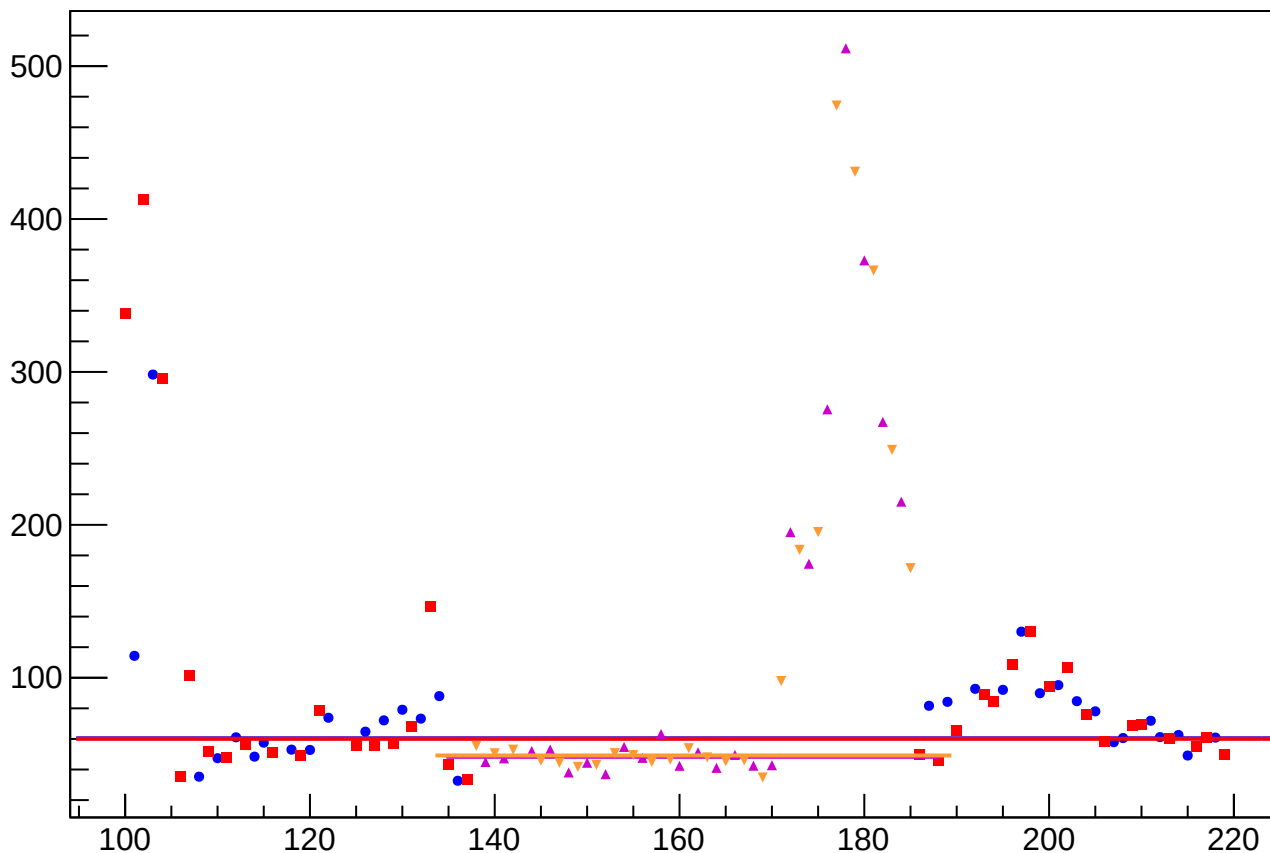
Left In: -0.007 $\pm$ 0.014 χ^2 /NDF:11.3/22

+ sign -0.021 $\pm$ 0.010 χ^2 /NDF: 45.5/55

All: -0.009 $\pm$ 0.007 χ^2 /NDF: 89.0/113

- sign 0.002 $\pm$ 0.010 χ^2 /NDF: 41.0/57

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.403+/-0.011 χ^2/NDF : 4335072.0/31

Left Out: 49.180+/-0.010 χ^2/NDF : 7250102.5/23

Right Out: 60.112+/-0.010 χ^2/NDF : 4399925.9/34

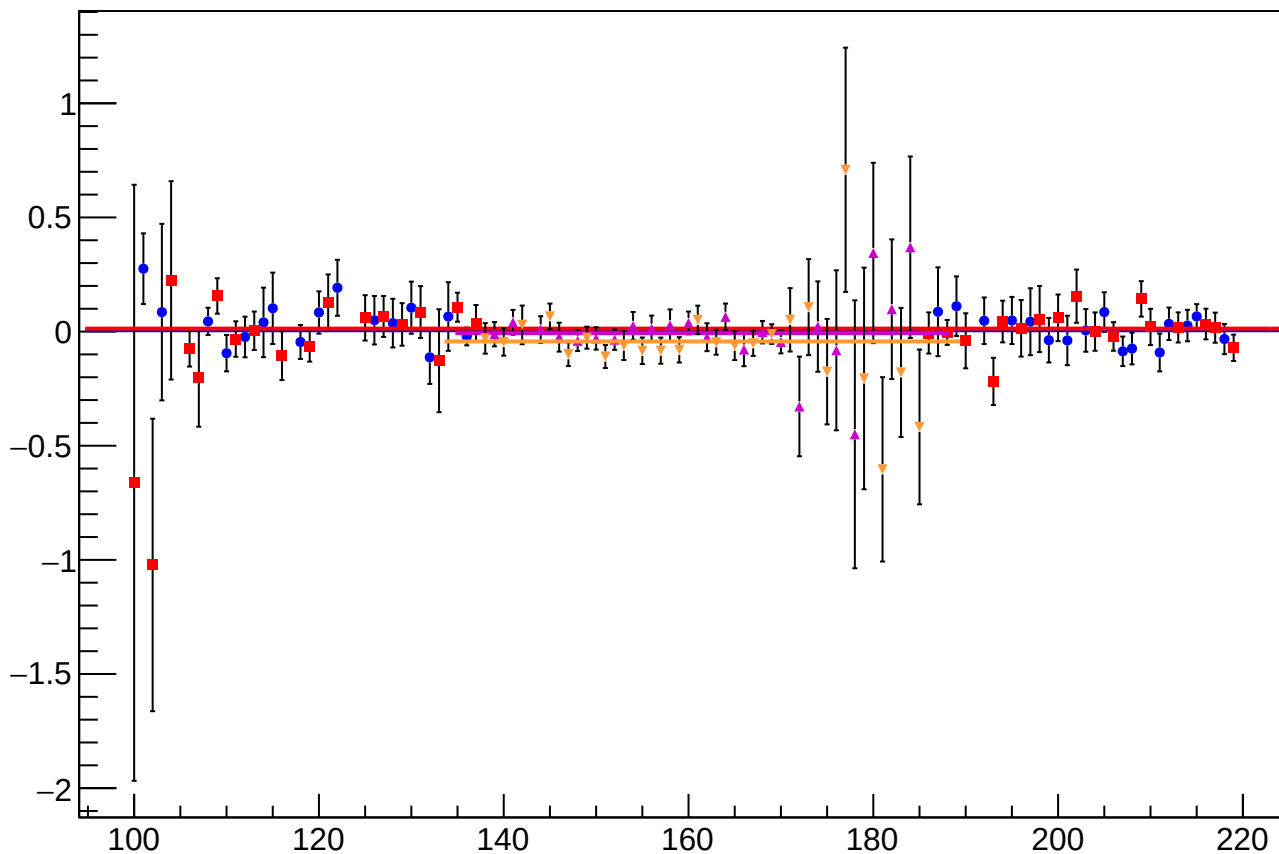
Left In: 48.307+/-0.010 χ^2/NDF : 7040585.4/22

+ sign 54.354+/-0.007 χ^2/NDF : 12185902.6/55

All: 54.019+/-0.005 χ^2/NDF : 24326768.5/113

- sign 53.699+/-0.007 χ^2/NDF : 12136638.3/57

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.015 χ^2 /NDF: 20.8/31

Left Out: -0.043 $\pm$ 0.014 χ^2 /NDF:18.9/23

Right Out: 0.013 $\pm$ 0.015 χ^2 /NDF: 28.7/34

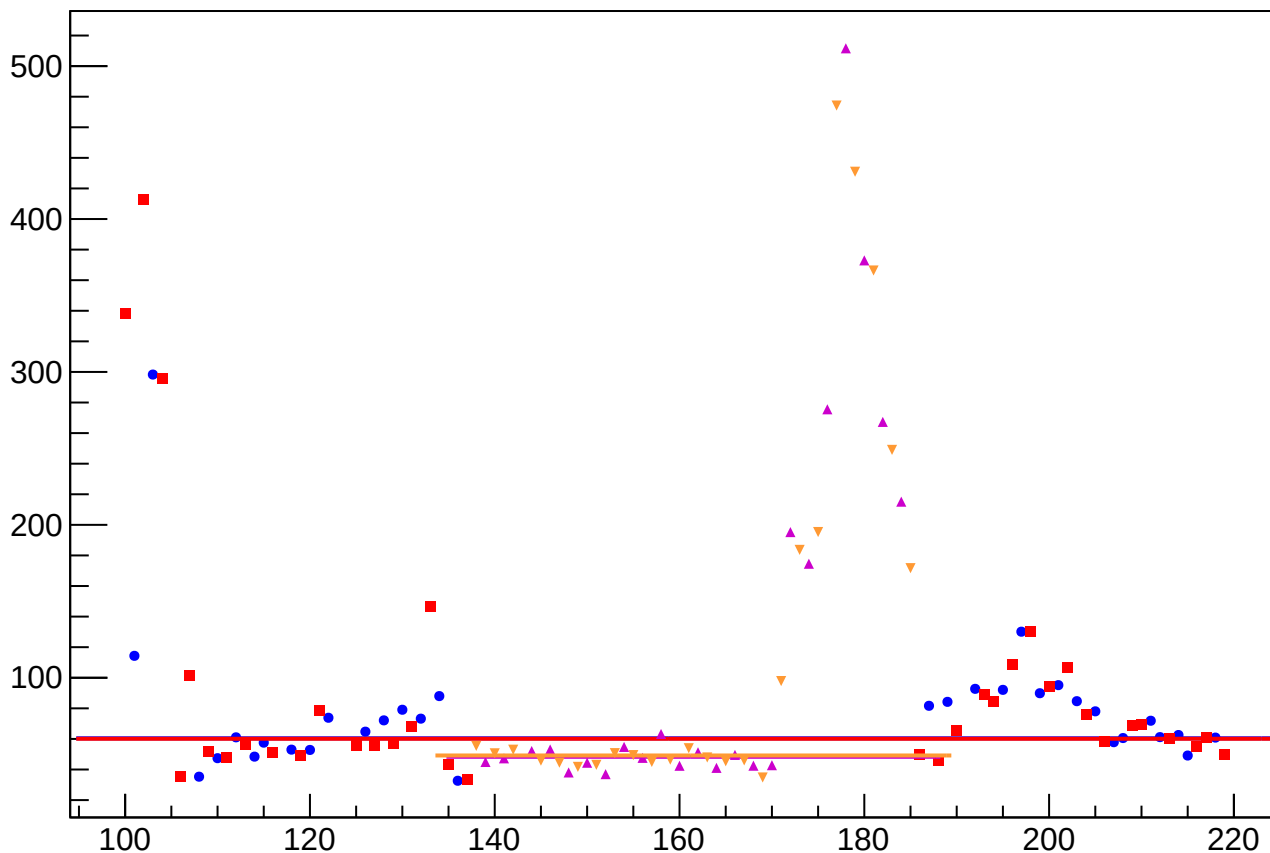
Left In: -0.007 $\pm$ 0.014 χ^2 /NDF:11.3/22

+ sign -0.021 $\pm$ 0.010 χ^2 /NDF: 45.5/55

All: -0.009 $\pm$ 0.007 χ^2 /NDF: 89.0/113

- sign 0.002 $\pm$ 0.010 χ^2 /NDF: 41.0/57

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.403 $\pm$ 0.011 χ^2 /NDF: 4335072.0/31

Left Out: 49.180 $\pm$ 0.010 χ^2 /NDF: 7250102.5/23

Right Out: 60.112 $\pm$ 0.010 χ^2 /NDF: 4399925.9/34

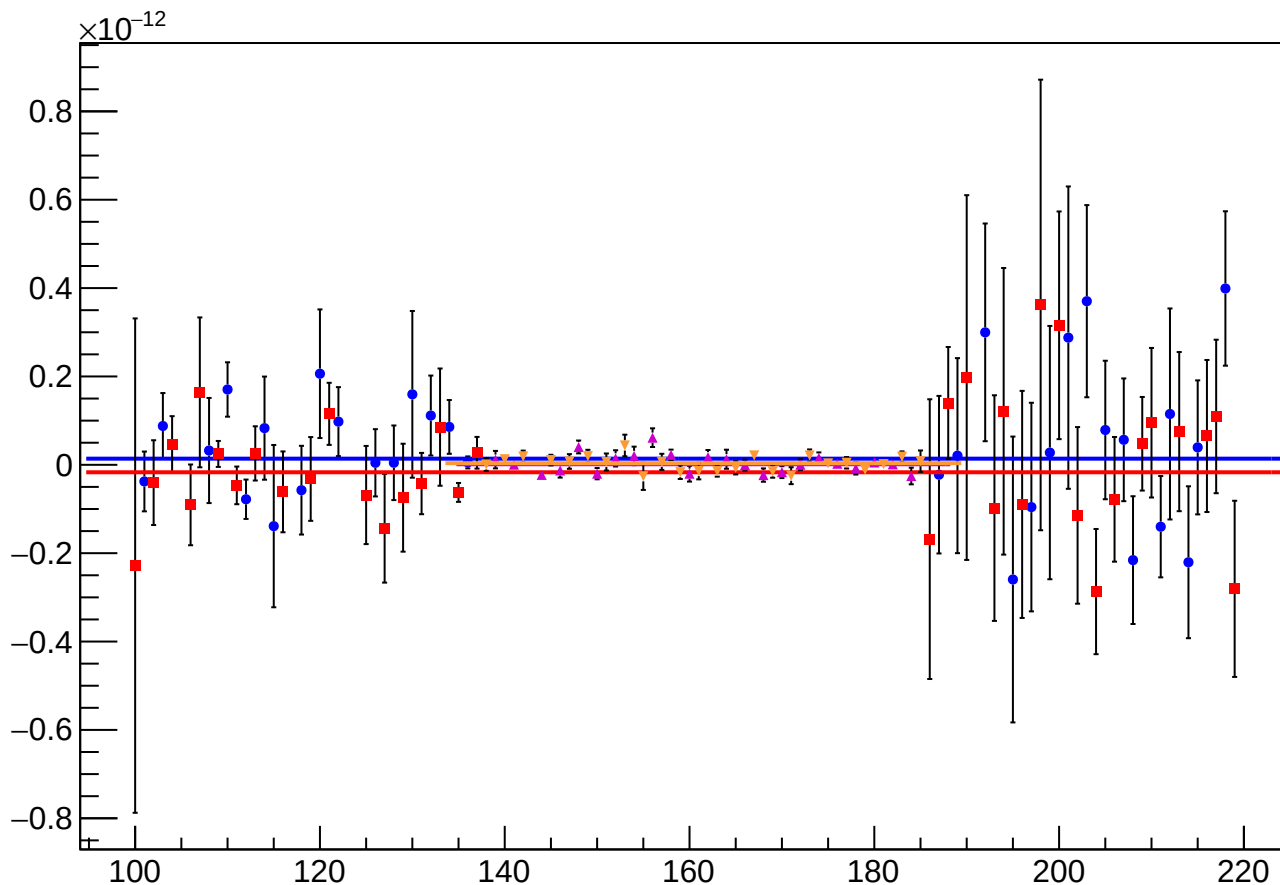
Left In: 48.307 $\pm$ 0.010 χ^2 /NDF: 7040585.4/22

+ sign 54.354 $\pm$ 0.007 χ^2 /NDF: 12185902.6/55

All: 54.019 $\pm$ 0.005 χ^2 /NDF: 24326768.5/113

- sign 53.699 $\pm$ 0.007 χ^2 /NDF: 12136638.3/57

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 37.5/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:24.6/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.3/34

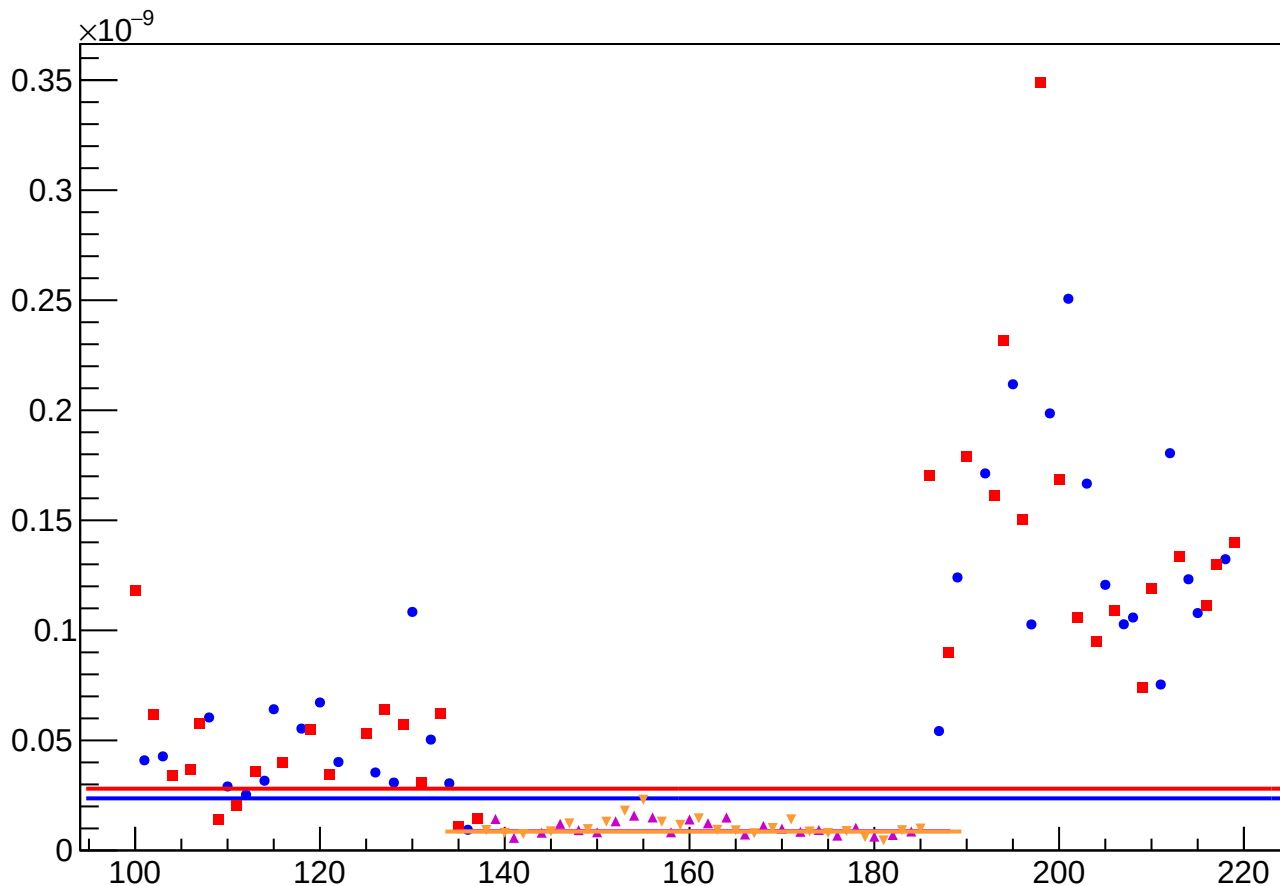
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:40.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 62.9/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 136.4/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 72.5/57

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 13890832.1/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 12384185.8/34

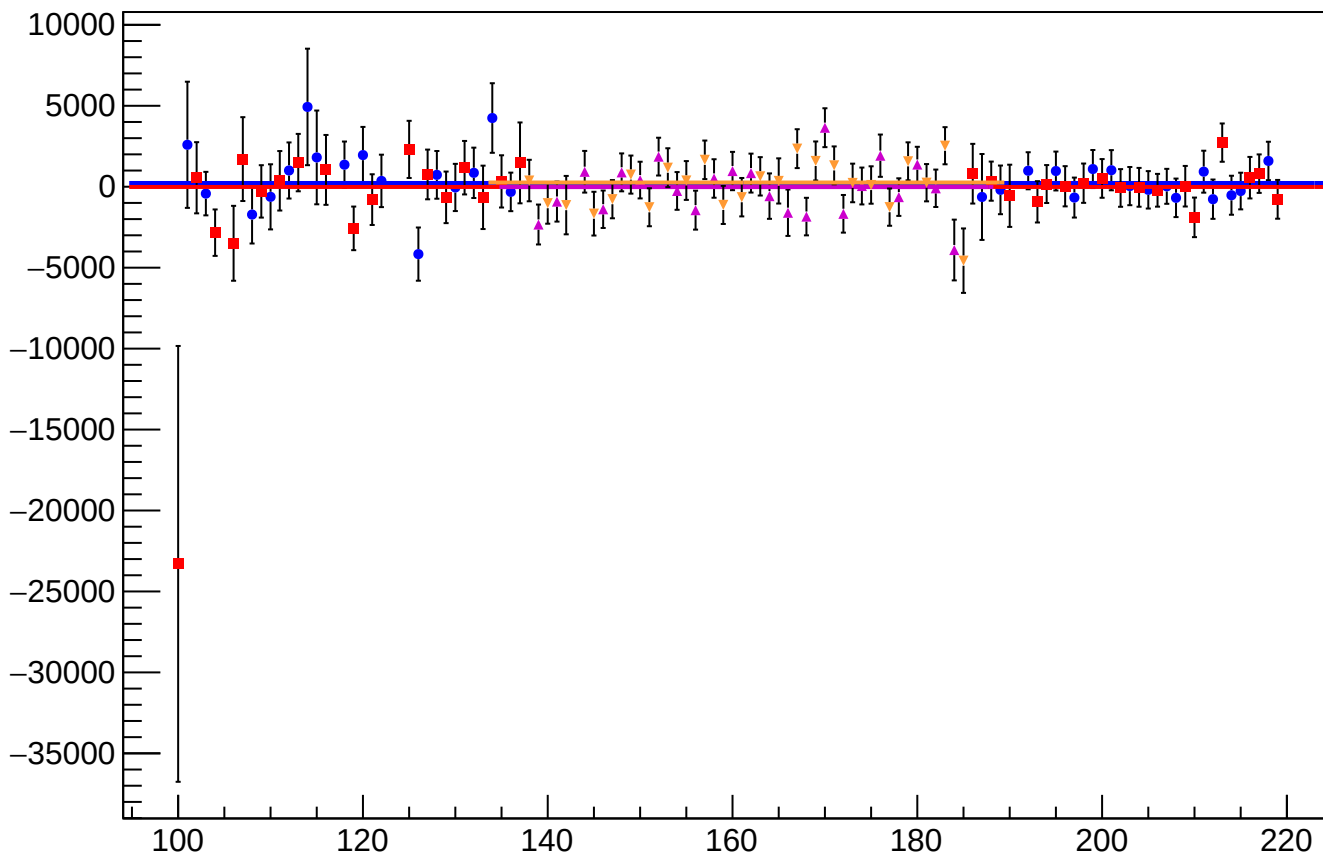
Left In: 0.000+/-0.000 χ^2/NDF : 1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 19939548.1/55

All: 0.000+/-0.000 χ^2/NDF : 39164556.9/113

- sign 0.000+/-0.000 χ^2/NDF : 19216209.3/57

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 231.513 $\pm$ 249.218 χ^2 /NDF: 23.1/31

Left Out: 260.650 $\pm$ 251.401 χ^2 /NDF:28.2/23

Right Out: -14.301 $\pm$ 245.608 χ^2 /NDF: 27.7/34

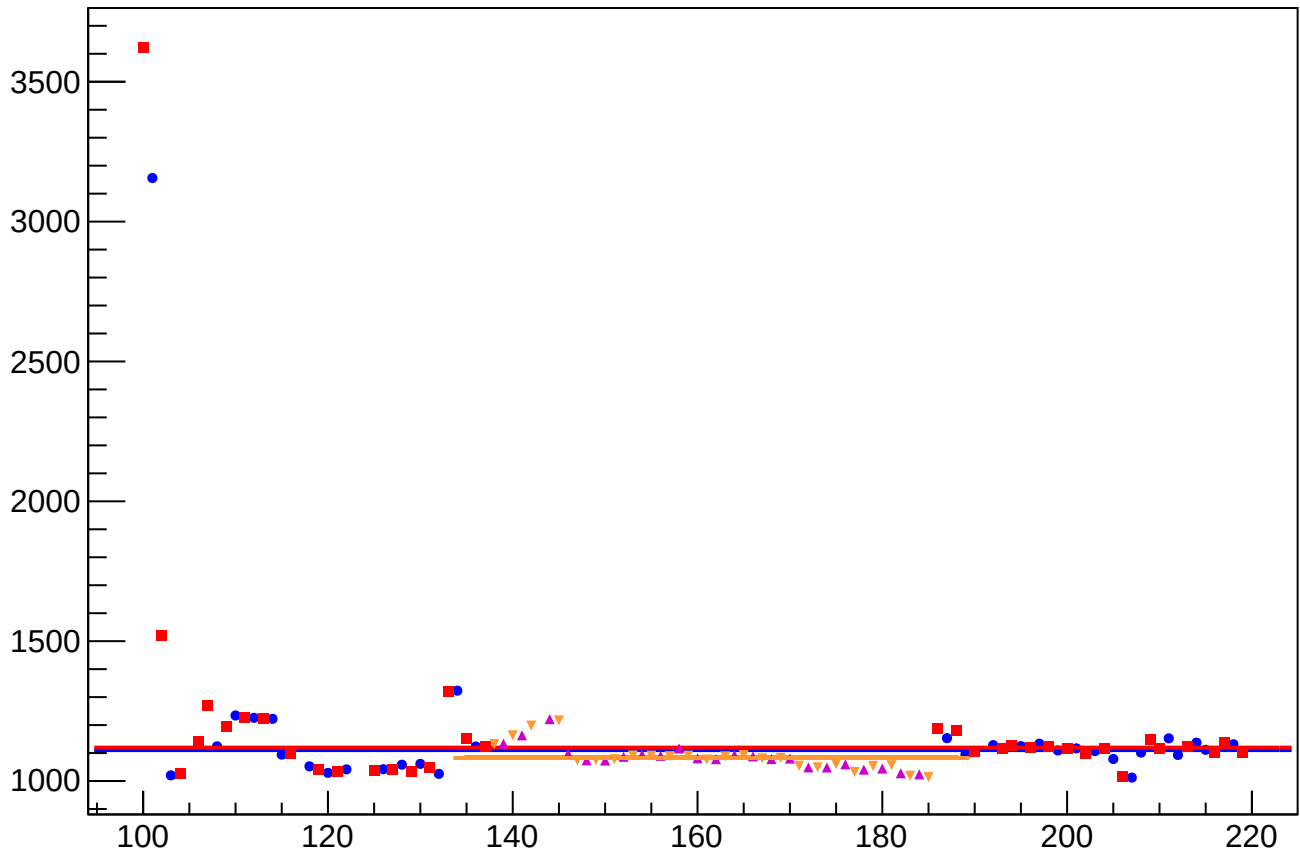
Left In: -22.368 $\pm$ 253.332 χ^2 /NDF:35.8/22

+ sign 245.954 $\pm$ 176.990 χ^2 /NDF: 51.3/55

All: 113.385 $\pm$ 124.920 χ^2 /NDF: 115.9/113

- sign -18.210 $\pm$ 176.338 χ^2 /NDF: 63.5/57

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.657 ± 0.176 $\chi^2/\text{NDF}: 648277.2/31$

Left Out: 1082.308 ± 0.178 $\chi^2/\text{NDF}: 57873.0/23$

Right Out: 1119.411 ± 0.174 $\chi^2/\text{NDF}: 253824.2/34$

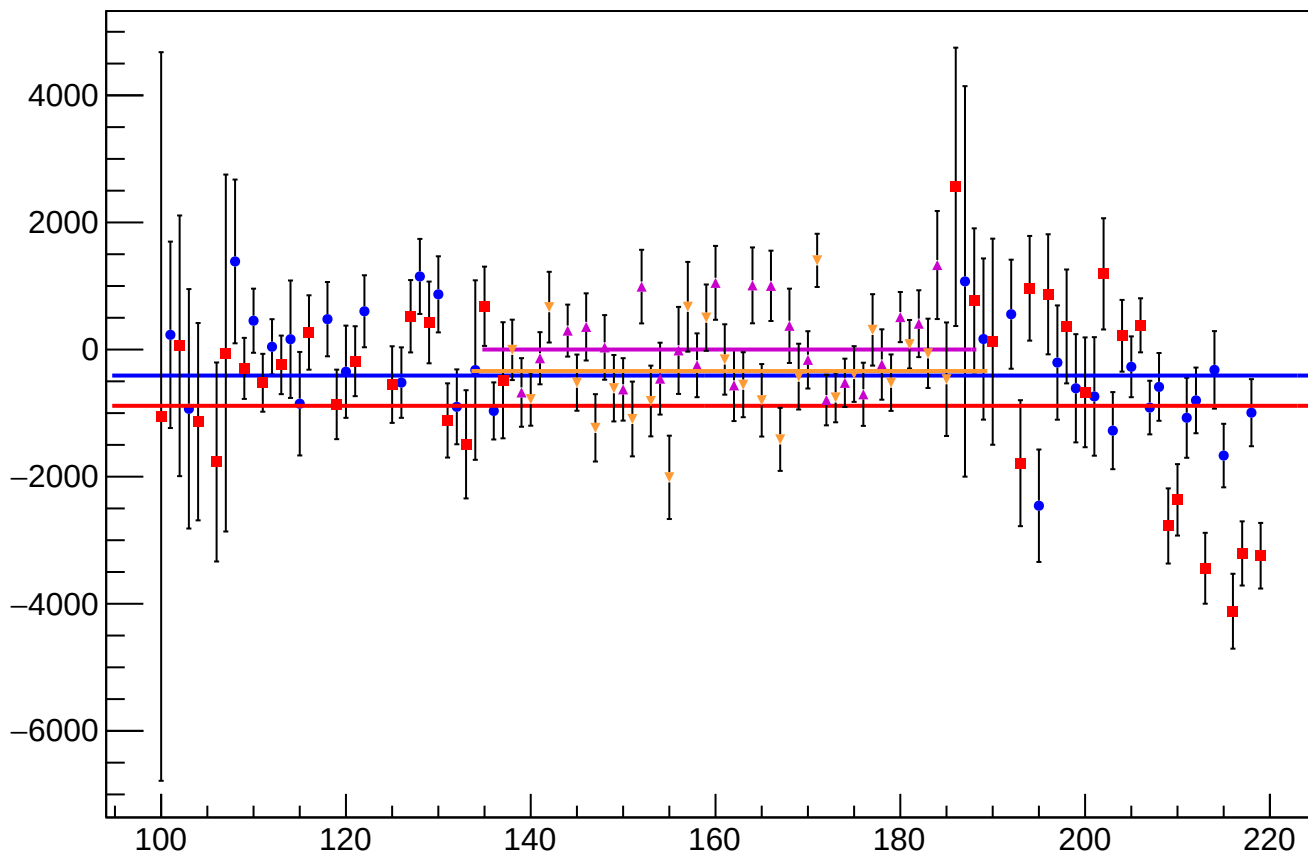
Left In: 1084.166 ± 0.179 $\chi^2/\text{NDF}: 53438.8/22$

+ sign 1096.606 ± 0.125 $\chi^2/\text{NDF}: 718977.2/55$

All: 1099.481 ± 0.088 $\chi^2/\text{NDF}: 1047247.3/11$

- sign 1102.334 ± 0.125 $\chi^2/\text{NDF}: 327218.7/57$

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug



Right In: -409.067 ± 112.959 $\chi^2/\text{NDF}: 46.5/31$

Left Out: -337.727 ± 102.601 $\chi^2/\text{NDF}: 48.8/23$

Right Out: -885.096 ± 112.993 $\chi^2/\text{NDF}: 172.9/34$

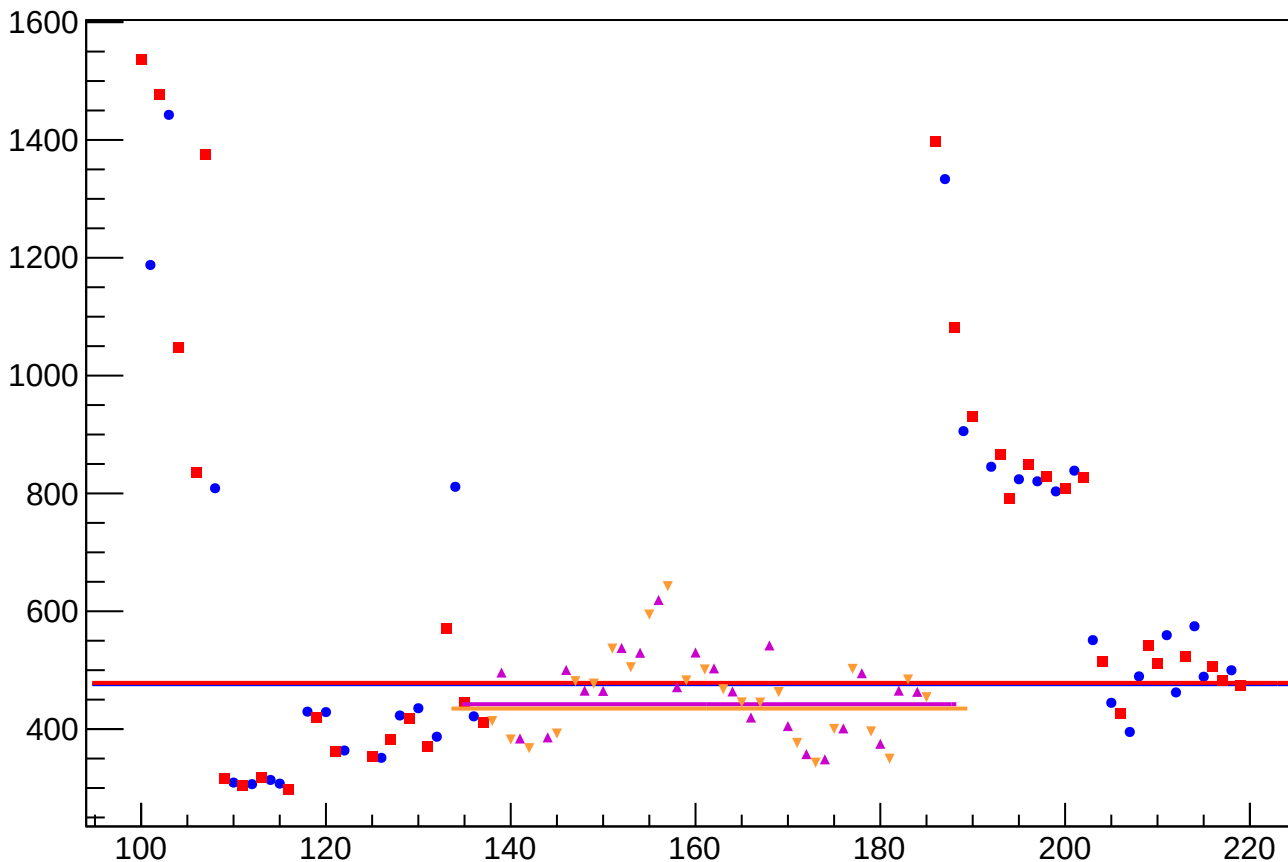
Left In: 0.547 ± 104.733 $\chi^2/\text{NDF}: 31.9/22$

+ sign -369.977 ± 75.949 $\chi^2/\text{NDF}: 95.5/55$

All: -389.132 ± 54.006 $\chi^2/\text{NDF}: 333.4/113$

- sign -408.724 ± 76.812 $\chi^2/\text{NDF}: 237.8/57$

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 476.253+/-0.080 χ^2/NDF : 4382131.6/31

Left Out: 434.858+/-0.073 χ^2/NDF : 878416.4/23

Right Out: 478.418+/-0.080 χ^2/NDF : 5432789.0/34

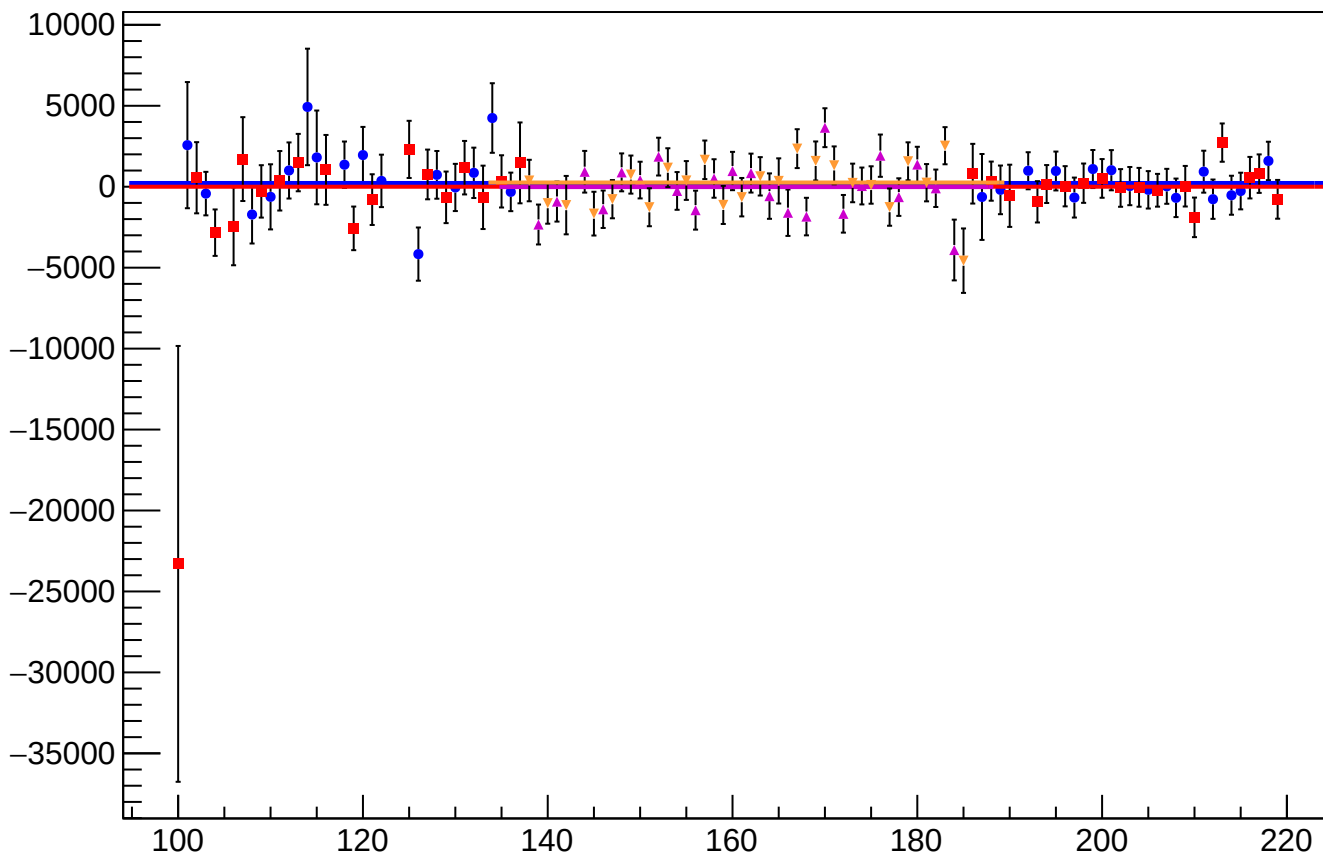
Left In: 442.209+/-0.074 χ^2/NDF : 825972.2/22

+ sign 453.571+/-0.054 χ^2/NDF : 5407716.3/55

All: 456.226+/-0.038 χ^2/NDF : 11781894.8/117

- sign 458.942+/-0.054 χ^2/NDF : 6369235.2/57

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 231.396 $\pm$ 249.218 χ^2 /NDF: 23.1/31

Left Out: 260.639 $\pm$ 251.401 χ^2 /NDF:28.2/23

Right Out: -0.308 $\pm$ 245.714 χ^2 /NDF: 26.4/34

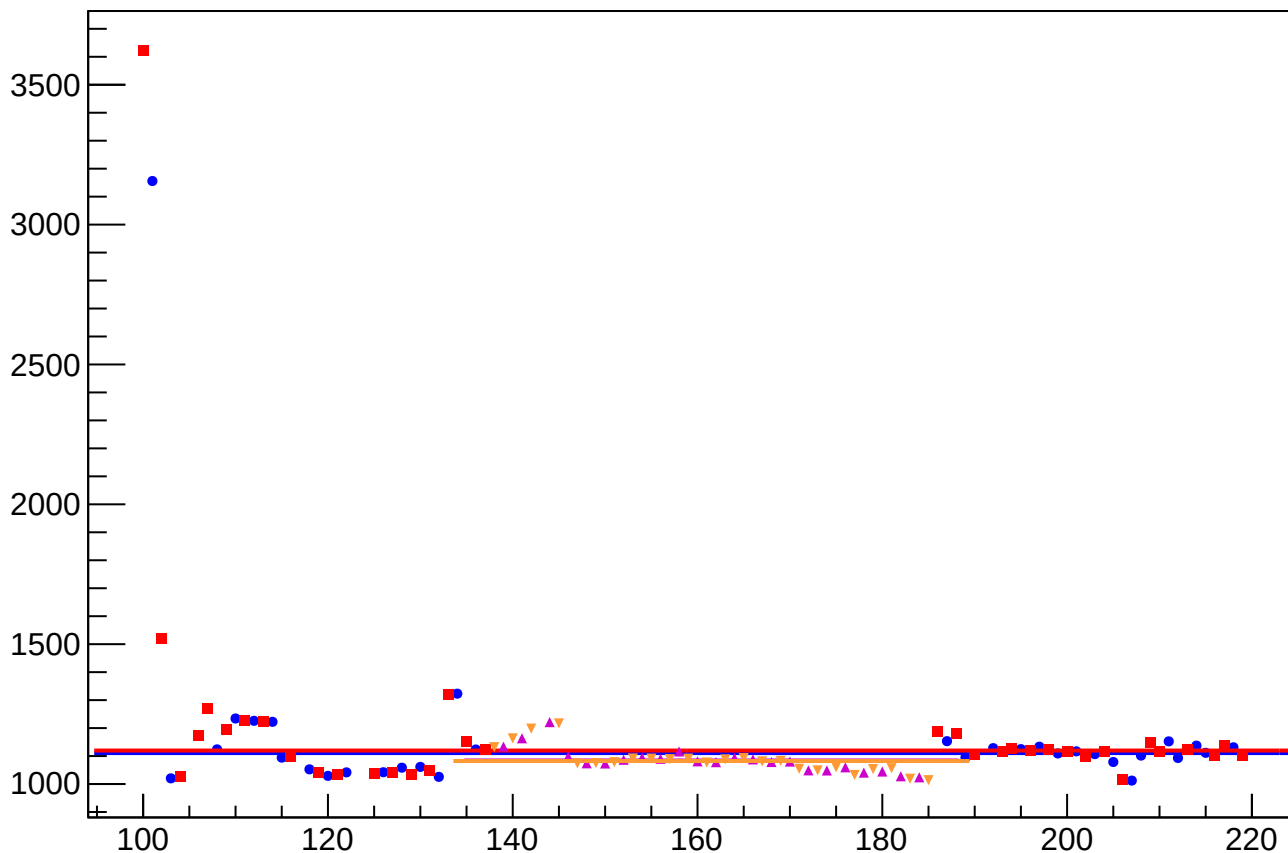
Left In: -22.362 $\pm$ 253.332 χ^2 /NDF:35.8/22

+ sign 245.890 $\pm$ 176.990 χ^2 /NDF: 51.3/55

All: 117.000 $\pm$ 124.934 χ^2 /NDF: 114.6/113

- sign -10.999 $\pm$ 176.378 χ^2 /NDF: 62.2/57

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.657 $\pm$ 0.176 χ^2 /NDF: 648278.2/31

Left Out: 1082.308 $\pm$ 0.178 χ^2 /NDF: 57873.0/23

Right Out: 1119.719 $\pm$ 0.174 χ^2 /NDF: 254601.2/34

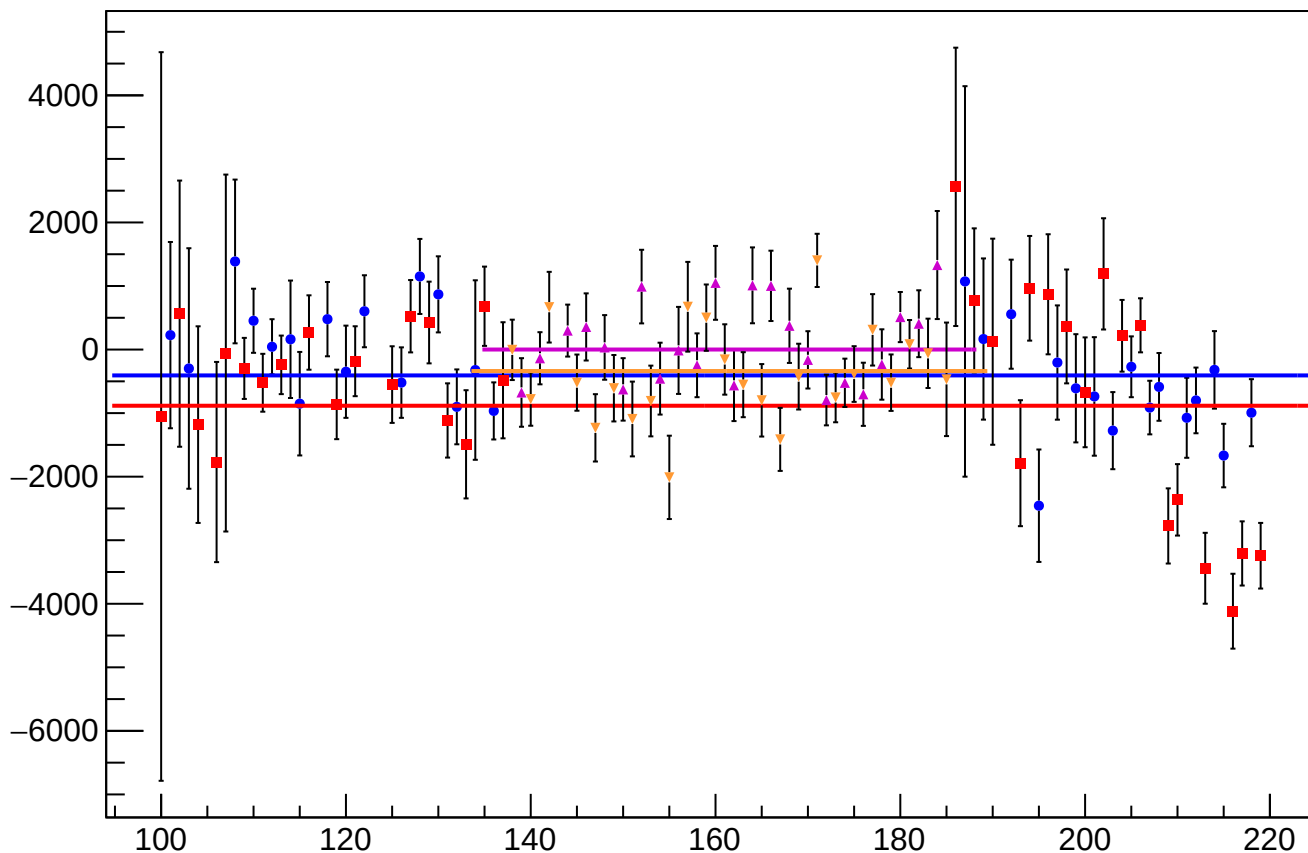
Left In: 1084.166 $\pm$ 0.179 χ^2 /NDF: 53438.8/22

+ sign 1096.606 $\pm$ 0.125 χ^2 /NDF: 718978.1/55

All: 1099.556 $\pm$ 0.088 χ^2 /NDF: 1048422.8/11

- sign 1102.485 $\pm$ 0.125 χ^2 /NDF: 328337.3/57

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug



Right In: -406.885+/-112.960 χ^2/NDF : 46.4/31

Left Out: -337.816+/-102.601 χ^2/NDF : 48.8/23

Right Out: -883.983+/-113.002 χ^2/NDF : 173.2/34

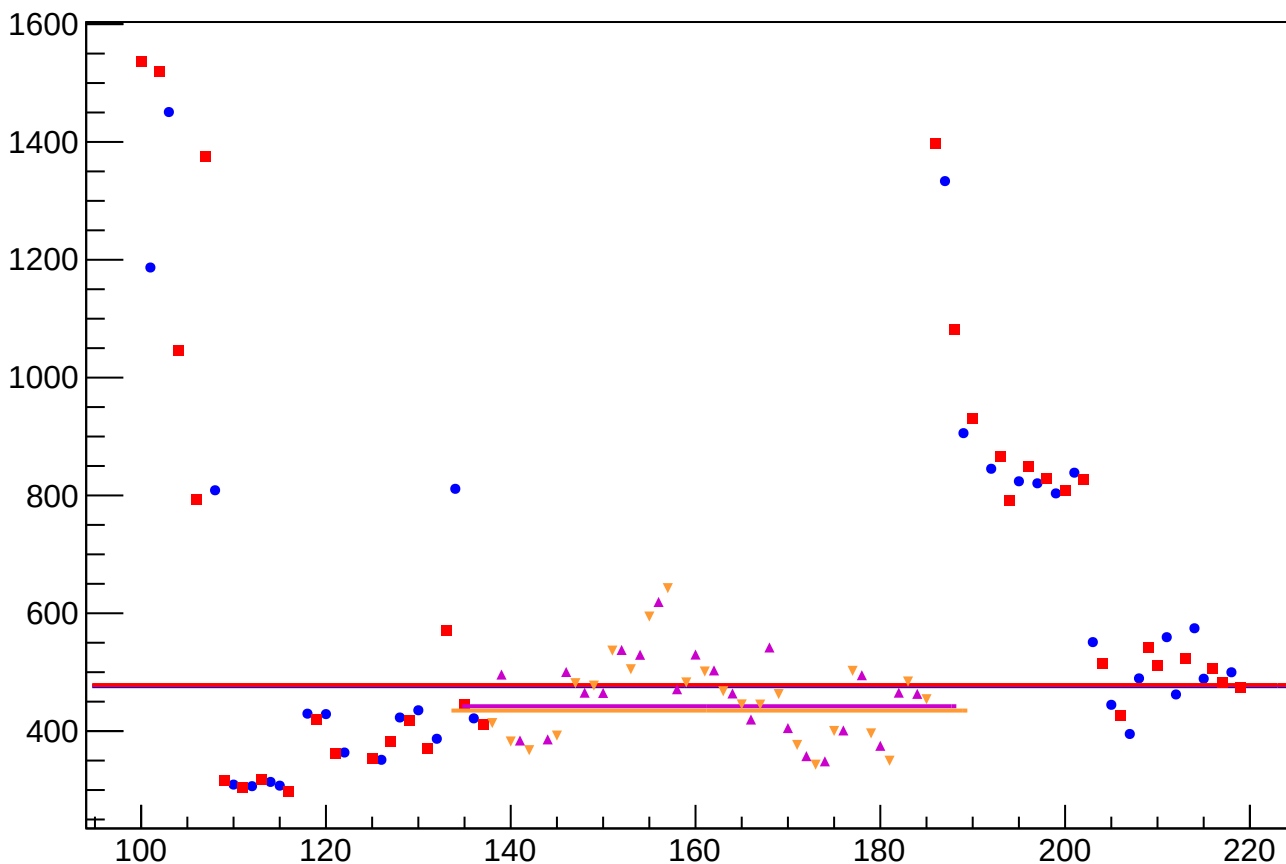
Left In: 0.567+/-104.733 χ^2/NDF : 31.9/22

+ sign -369.039+/-75.949 χ^2/NDF : 95.4/55

All: -388.380+/-54.007 χ^2/NDF : 333.5/113

- sign -408.165+/-76.814 χ^2/NDF : 238.0/57

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 476.249 $\pm$ 0.080 χ^2 /NDF: 4385933.5/31

Left Out: 434.856 $\pm$ 0.073 χ^2 /NDF: 878507.3/23

Right Out: 478.190 $\pm$ 0.080 χ^2 /NDF: 5427690.8/34

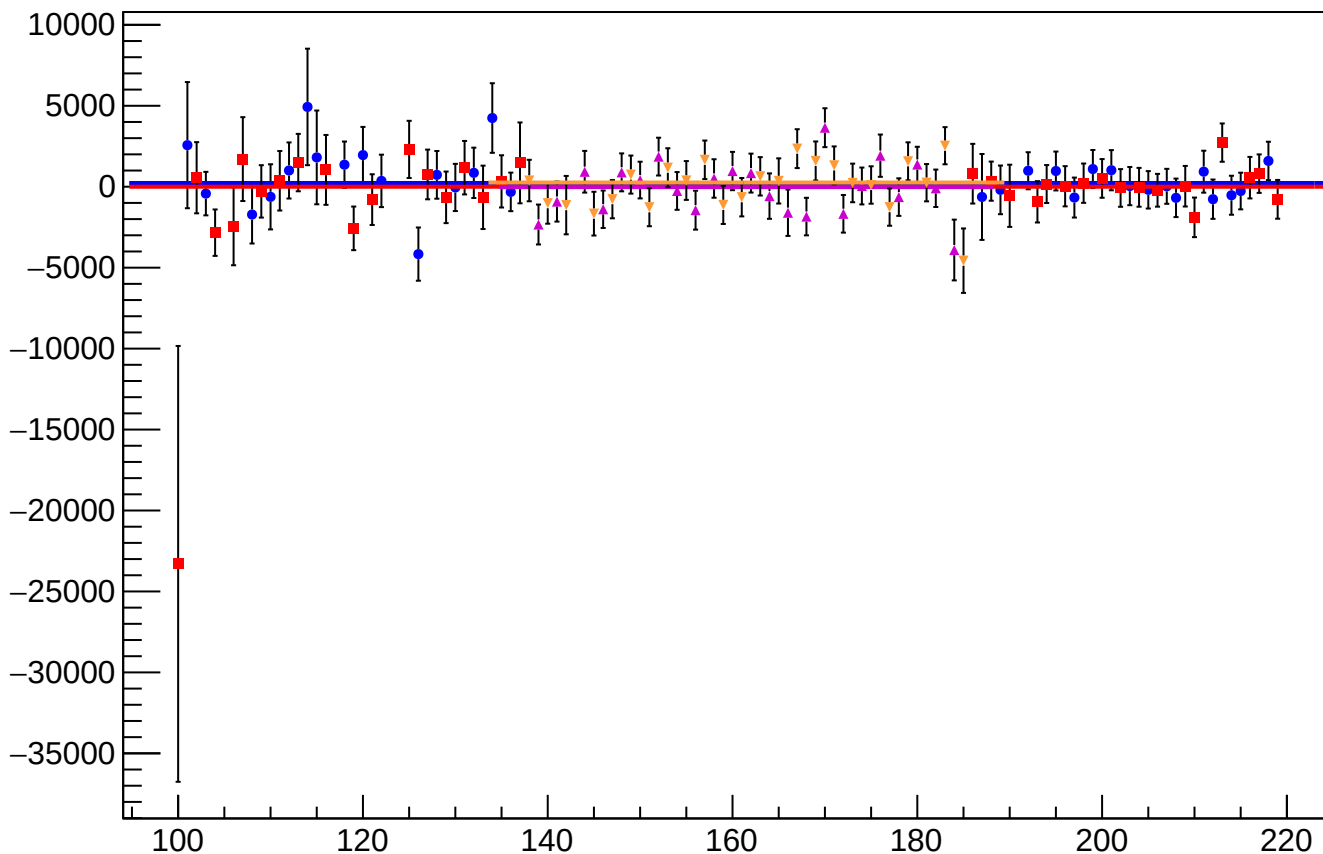
Left In: 442.210 $\pm$ 0.074 χ^2 /NDF: 825844.5/22

+ sign 453.568 $\pm$ 0.054 χ^2 /NDF: 5411593.5/55

All: 456.172 $\pm$ 0.038 χ^2 /NDF: 11778953.2/11

- sign 458.835 $\pm$ 0.054 χ^2 /NDF: 6362603.8/57

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 231.396 $\pm$ 249.218 χ^2 /NDF: 23.1/31

Left Out: 260.639 $\pm$ 251.401 χ^2 /NDF:28.2/23

Right Out: -0.308 $\pm$ 245.714 χ^2 /NDF: 26.4/34

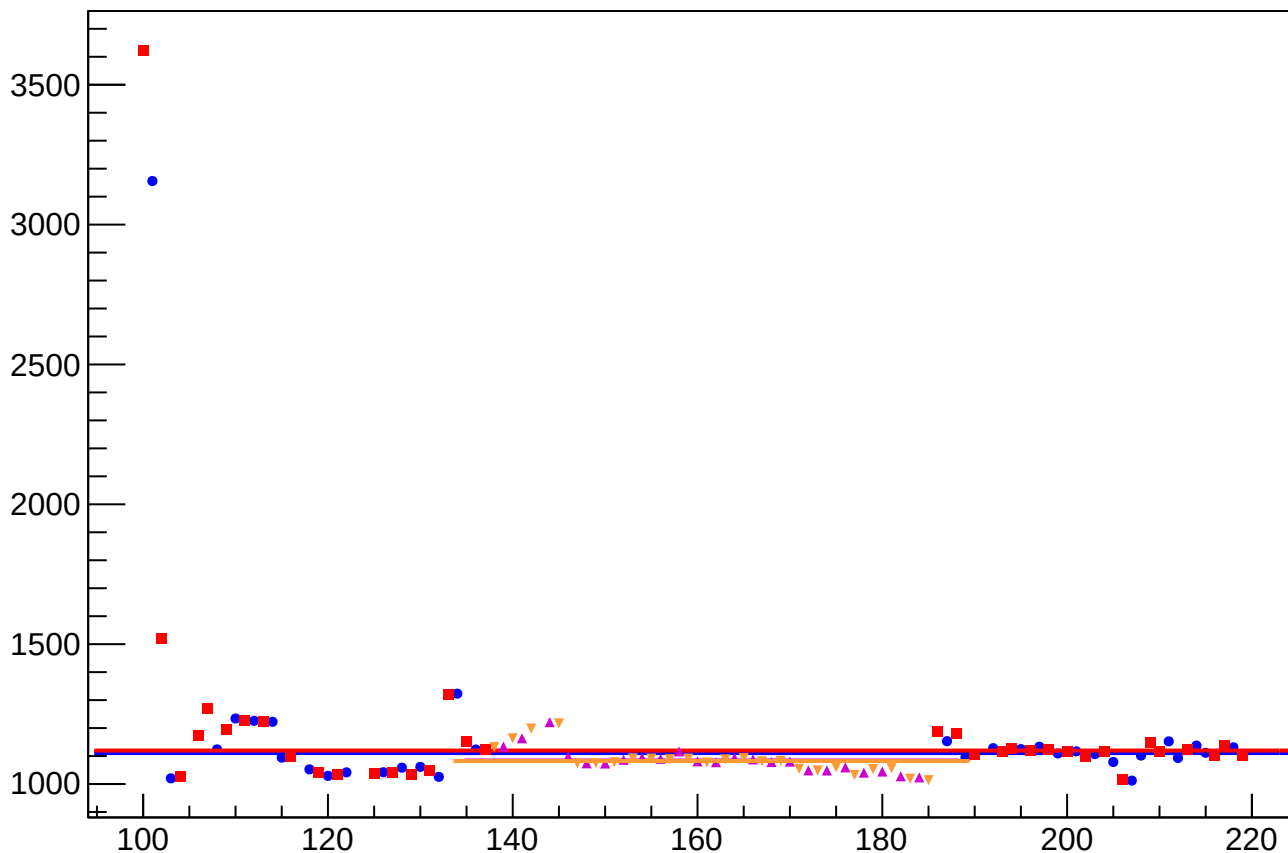
Left In: -22.362 $\pm$ 253.332 χ^2 /NDF:35.8/22

+ sign 245.890 $\pm$ 176.990 χ^2 /NDF: 51.3/55

All: 117.000 $\pm$ 124.934 χ^2 /NDF: 114.6/113

- sign -10.999 $\pm$ 176.378 χ^2 /NDF: 62.2/57

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.657 $\pm$ 0.176 χ^2 /NDF: 648278.2/31

Left Out: 1082.308 $\pm$ 0.178 χ^2 /NDF: 57873.0/23

Right Out: 1119.719 $\pm$ 0.174 χ^2 /NDF: 254601.2/34

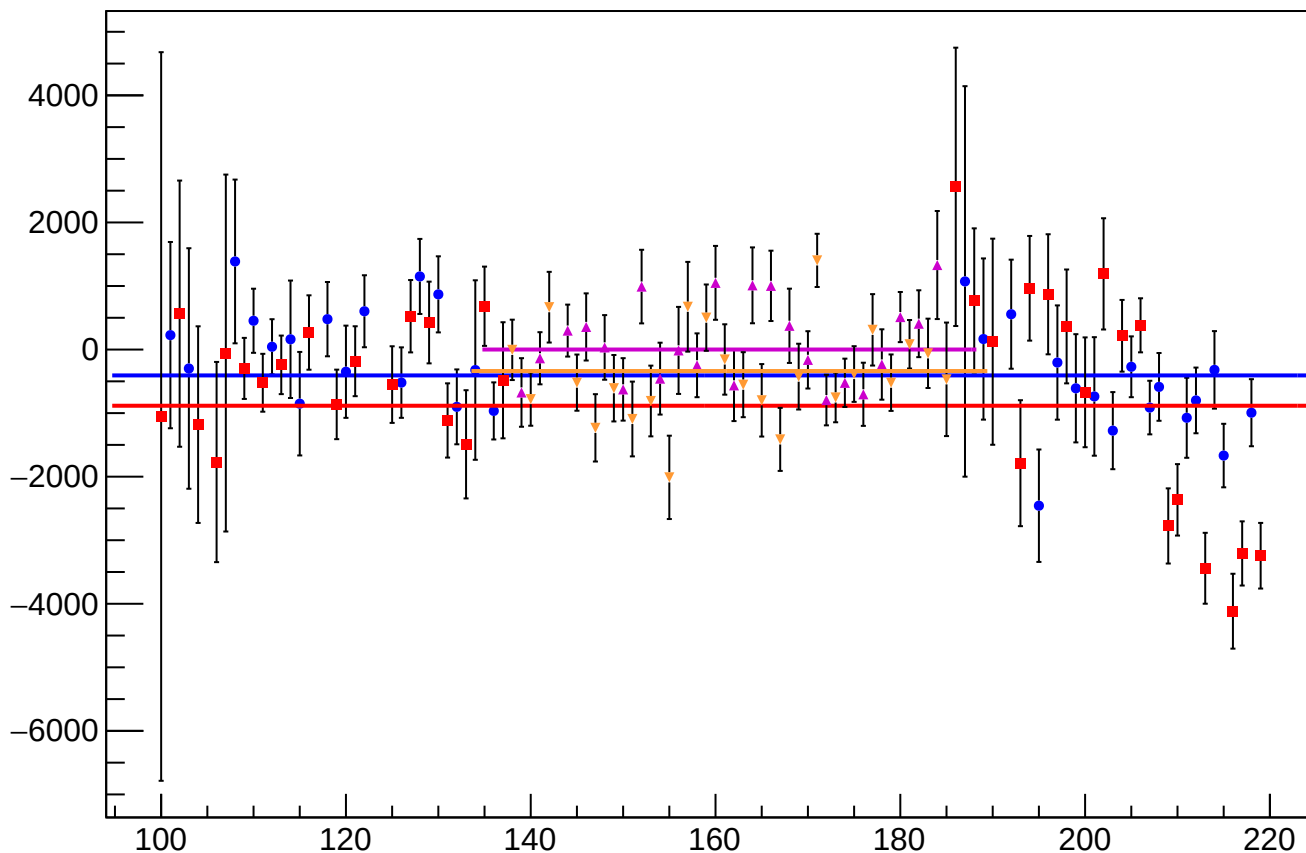
Left In: 1084.166 $\pm$ 0.179 χ^2 /NDF: 53438.8/22

+ sign 1096.606 $\pm$ 0.125 χ^2 /NDF: 718978.1/55

All: 1099.556 $\pm$ 0.088 χ^2 /NDF: 1048422.8/11

- sign 1102.485 $\pm$ 0.125 χ^2 /NDF: 328337.3/57

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: -406.885 ± 112.960 $\chi^2/\text{NDF}: 46.4/31$

Left Out: -337.816 ± 102.601 $\chi^2/\text{NDF}: 48.8/23$

Right Out: -883.983 ± 113.002 $\chi^2/\text{NDF}: 173.2/34$

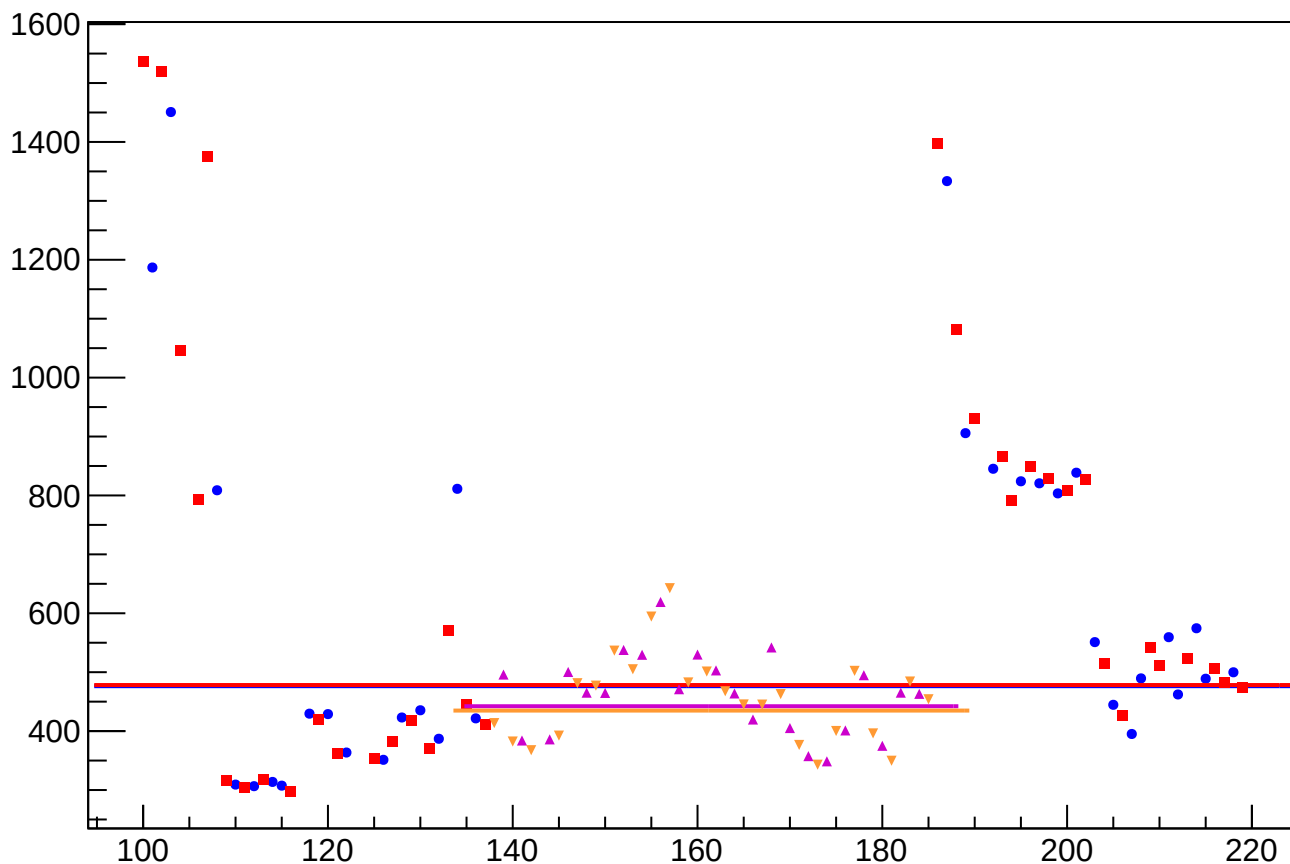
Left In: 0.567 ± 104.733 $\chi^2/\text{NDF}: 31.9/22$

+ sign -369.039 ± 75.949 $\chi^2/\text{NDF}: 95.4/55$

All: -388.380 ± 54.007 $\chi^2/\text{NDF}: 333.5/113$

- sign -408.165 ± 76.814 $\chi^2/\text{NDF}: 238.0/57$

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 476.249+/-0.080 χ^2/NDF : 4385933.5/31

Left Out: 434.856+/-0.073 χ^2/NDF : 878507.3/23

Right Out: 478.190+/-0.080 χ^2/NDF : 5427690.8/34

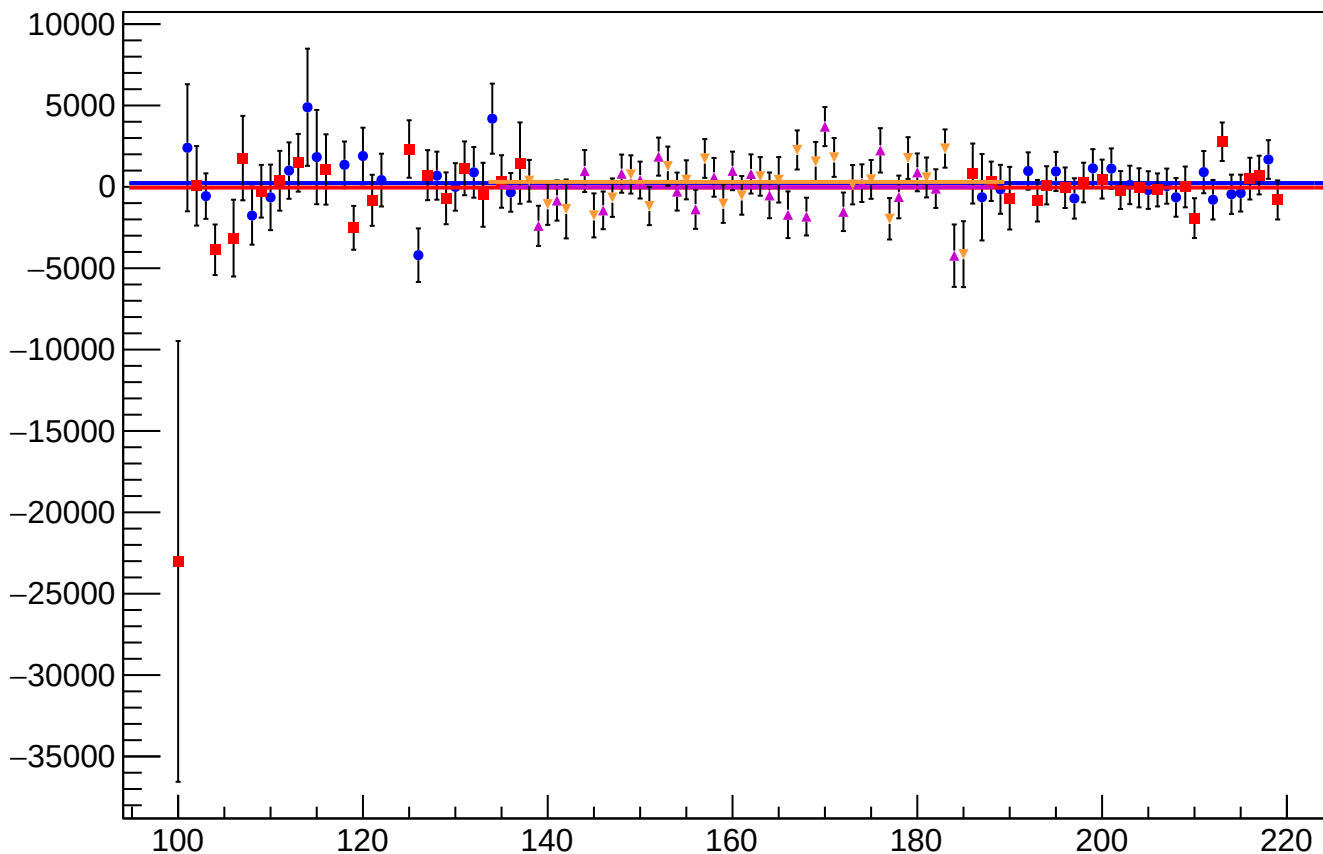
Left In: 442.210+/-0.074 χ^2/NDF : 825844.5/22

+ sign 453.568+/-0.054 χ^2/NDF : 5411593.5/55

All: 456.172+/-0.038 χ^2/NDF : 11778953.2/11

- sign 458.835+/-0.054 χ^2/NDF : 6362603.8/57

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 233.666 ± 249.816 χ^2/NDF : 23.4/31

Left Out: 303.404 ± 255.556 χ^2/NDF : 28.5/23

Right Out: -43.543 ± 246.760 χ^2/NDF : 29.2/34

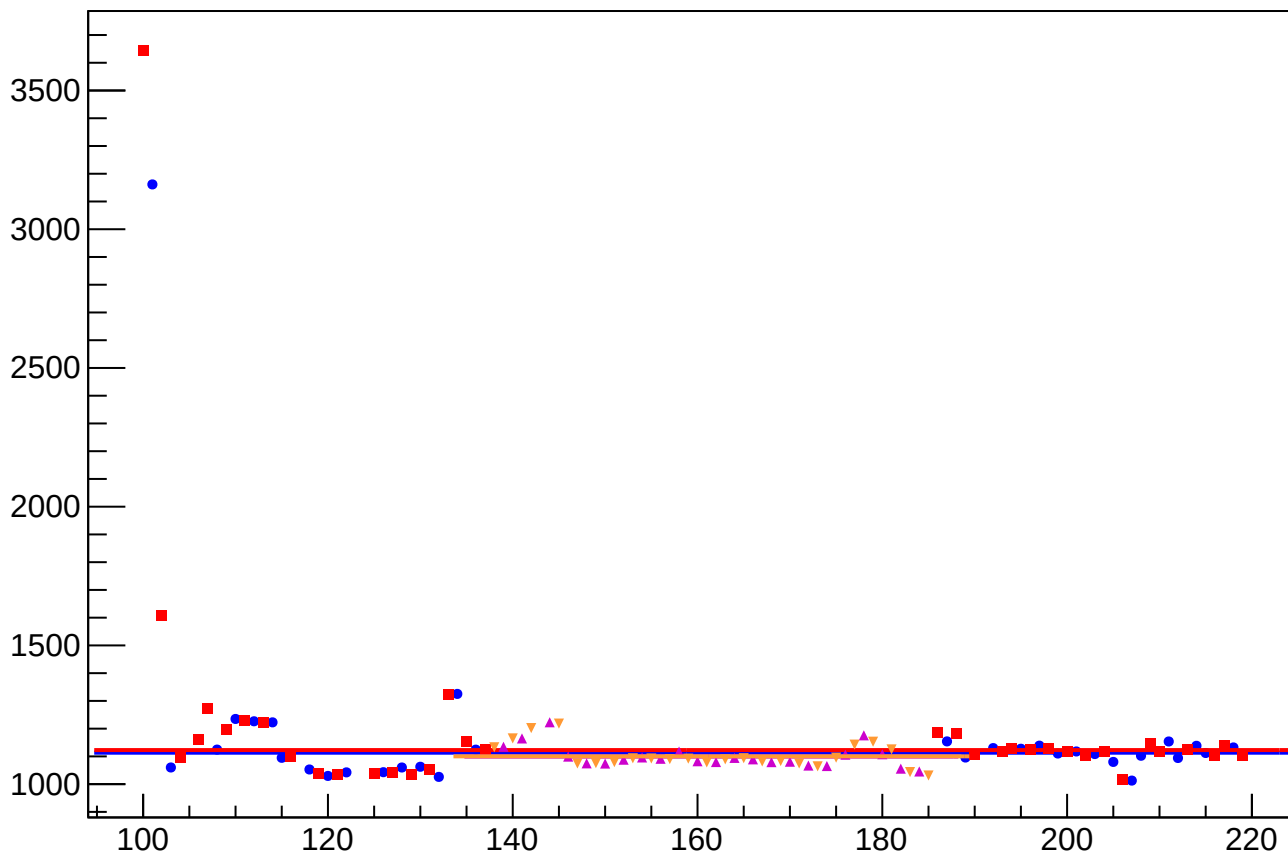
Left In: -25.319 ± 256.866 χ^2/NDF : 35.9/22

+ sign 267.743 ± 178.641 χ^2/NDF : 51.9/55

All: 115.888 ± 126.074 χ^2/NDF : 118.4/113

- sign -34.796 ± 177.951 χ^2/NDF : 65.1/57

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1113.344 $\pm$ 0.177 χ^2 /NDF: 643003.7/31

Left Out: 1100.258 $\pm$ 0.181 χ^2 /NDF: 48774.1/23

Right Out: 1122.781 $\pm$ 0.174 χ^2 /NDF: 260471.1/34

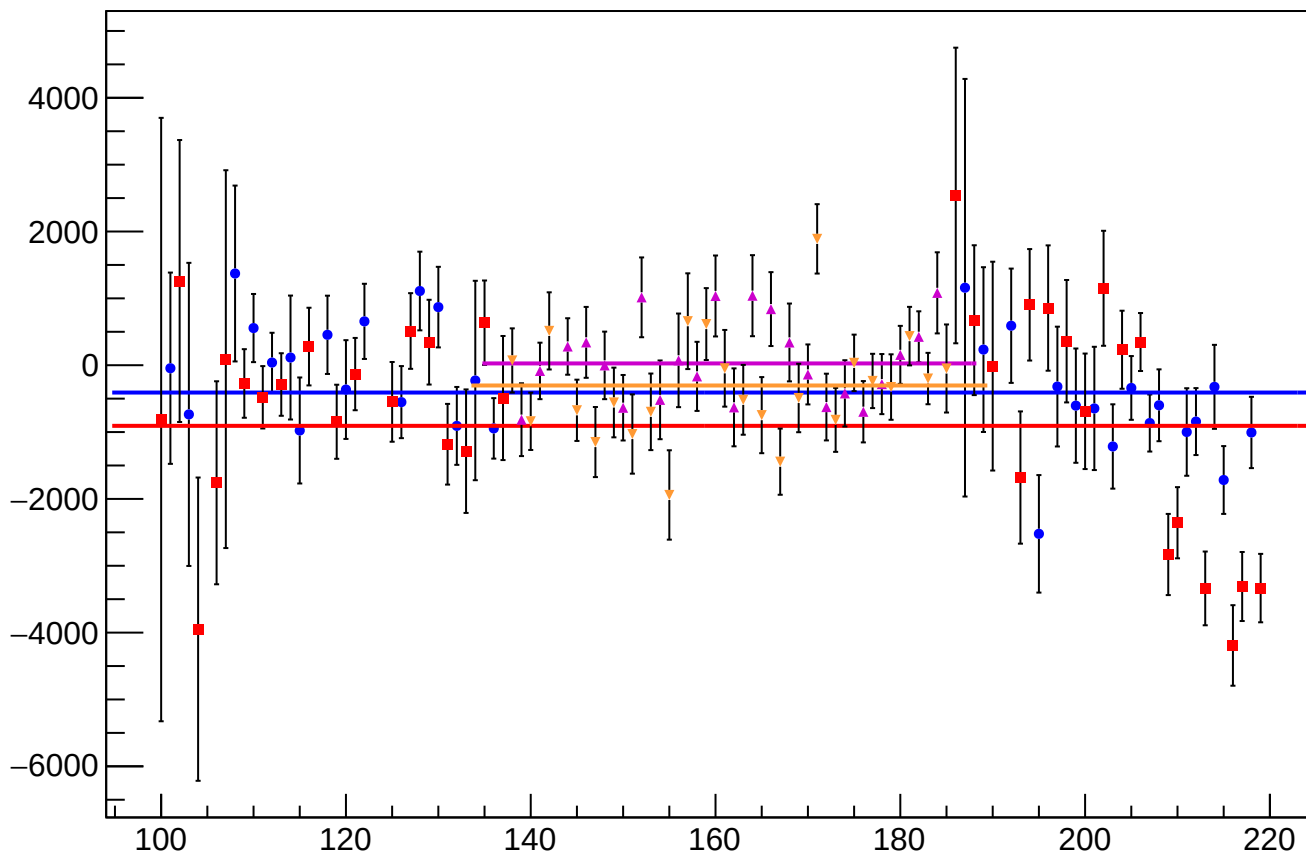
Left In: 1099.342 $\pm$ 0.182 χ^2 /NDF: 44785.6/22

+ sign 1106.949 $\pm$ 0.126 χ^2 /NDF: 694459.2/55

All: 1109.249 $\pm$ 0.089 χ^2 /NDF: 1009037.4/11

- sign 1111.532 $\pm$ 0.126 χ^2 /NDF: 313917.7/57

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: -408.799 ± 113.582 $\chi^2/\text{NDF}: 46.7/31$

Left Out: -303.217 ± 102.979 $\chi^2/\text{NDF}: 49.5/23$

Right Out: -906.891 ± 114.229 $\chi^2/\text{NDF}: 175.0/34$

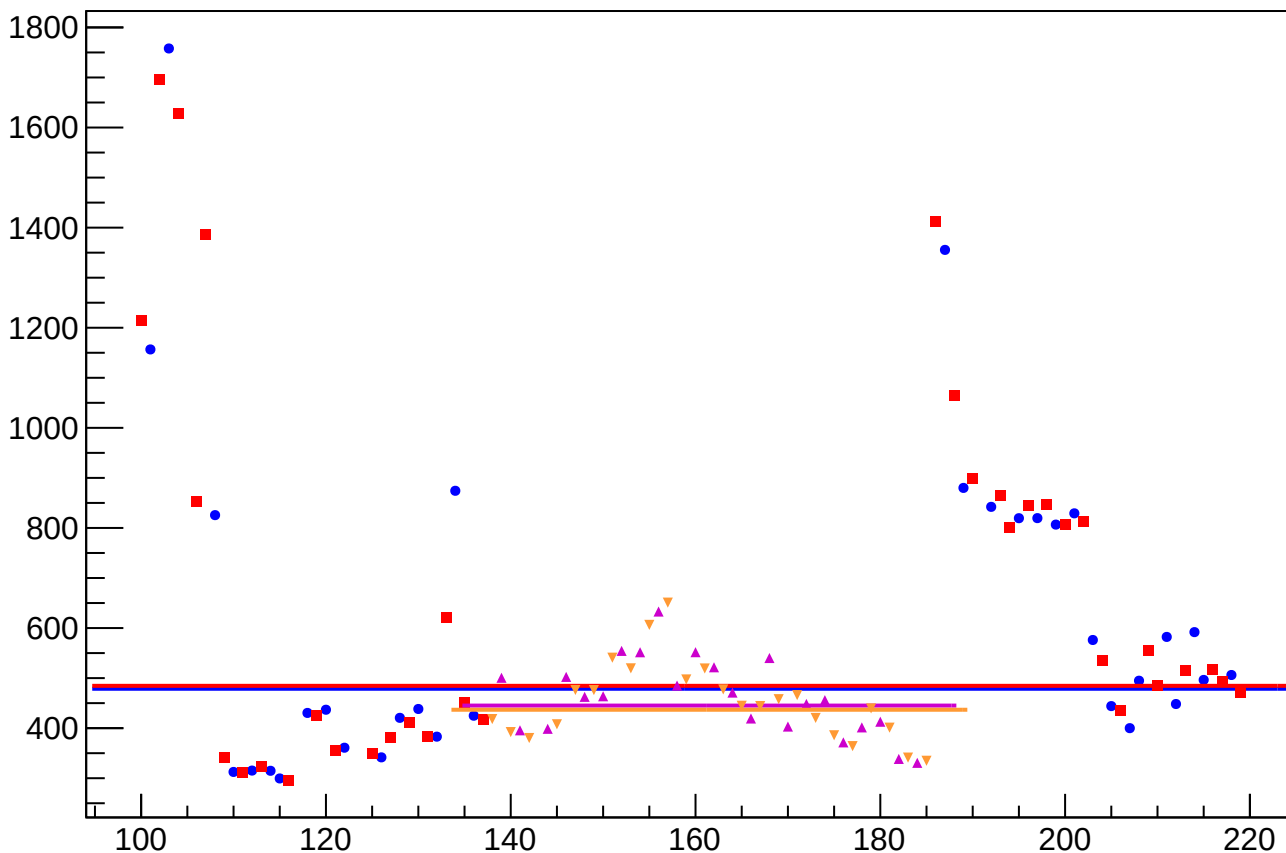
Left In: 26.740 ± 105.420 $\chi^2/\text{NDF}: 27.9/22$

+ sign -350.851 ± 76.291 $\chi^2/\text{NDF}: 96.7/55$

All: -376.376 ± 54.358 $\chi^2/\text{NDF}: 335.9/113$

- sign -402.696 ± 77.471 $\chi^2/\text{NDF}: 238.9/57$

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 478.730 $\pm$ 0.080 χ^2 /NDF: 4522801.2/31

Left Out: 436.787 $\pm$ 0.073 χ^2 /NDF:855206.3/23

Right Out: 484.577 $\pm$ 0.081 χ^2 /NDF: 5742493.6/34

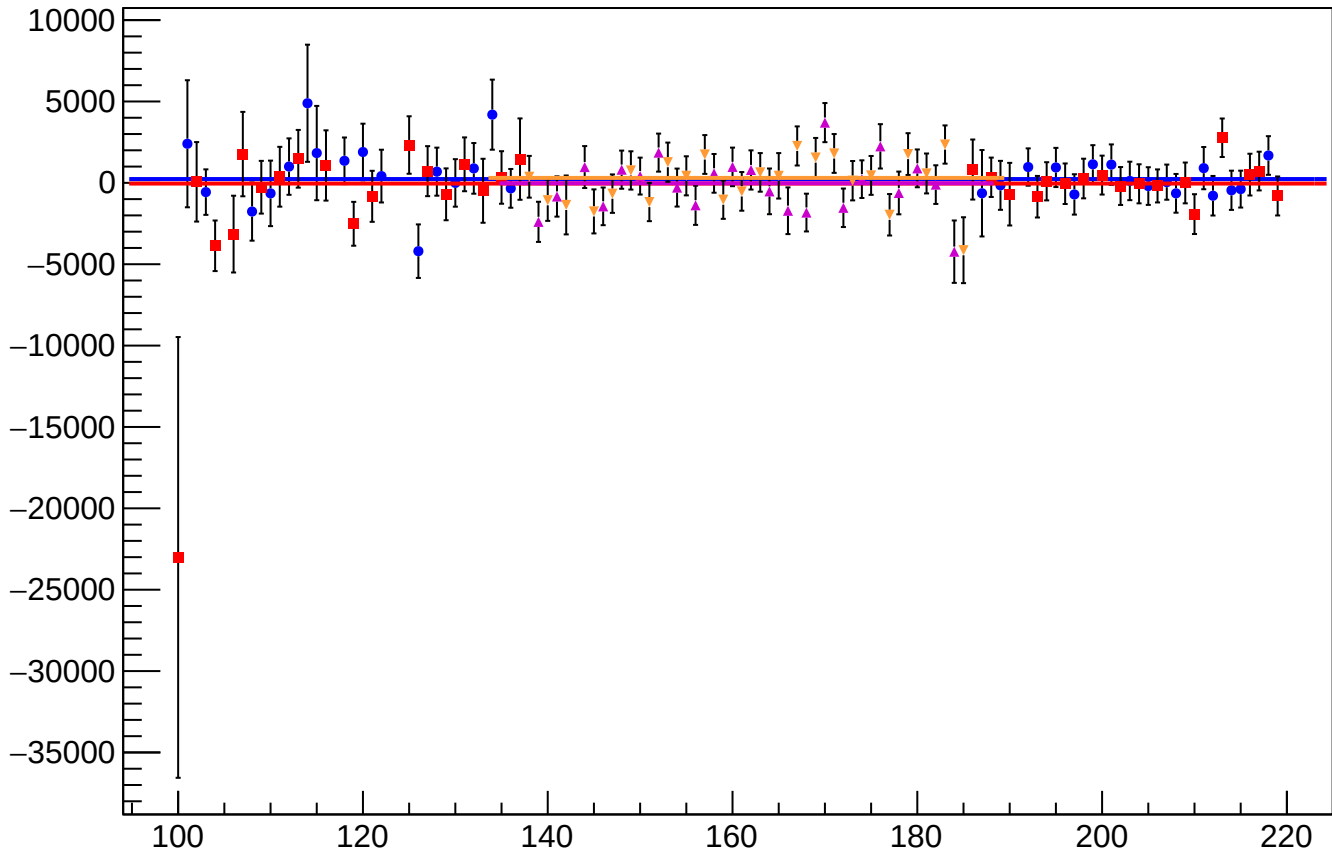
Left In: 445.109 $\pm$ 0.075 χ^2 /NDF:874534.9/22

+ sign 455.710 $\pm$ 0.054 χ^2 /NDF: 5527694.6/55

All: 459.429 $\pm$ 0.038 χ^2 /NDF: 12283317.0/11

- sign 463.263 $\pm$ 0.055 χ^2 /NDF: 6745972.2/57

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 233.663 $\pm$ 249.816 χ^2 /NDF: 23.4/31

Left Out: 303.402 $\pm$ 255.556 χ^2 /NDF:28.5/23

Right Out: -43.541 $\pm$ 246.760 χ^2 /NDF: 29.2/34

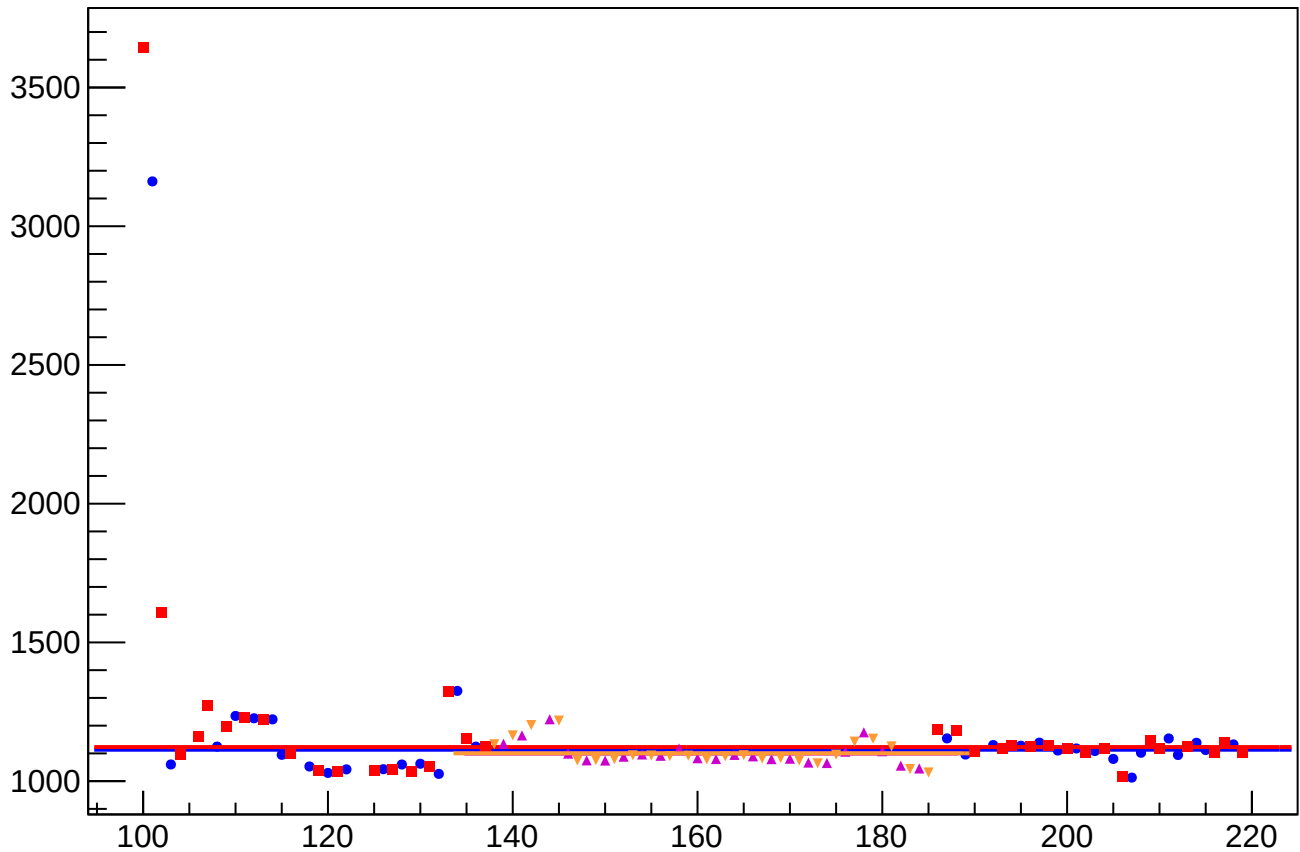
Left In: -25.320 $\pm$ 256.866 χ^2 /NDF:35.9/22

+ sign 267.740 $\pm$ 178.641 χ^2 /NDF: 51.9/55

All: 115.887 $\pm$ 126.074 χ^2 /NDF: 118.4/113

- sign -34.796 $\pm$ 177.951 χ^2 /NDF: 65.1/57

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1113.344 $\pm$ 0.177 χ^2 /NDF: 643003.7/31

Left Out: 1100.258 $\pm$ 0.181 χ^2 /NDF: 48774.3/23

+ sign 1106.949 $\pm$ 0.126 χ^2 /NDF: 694459.5/55

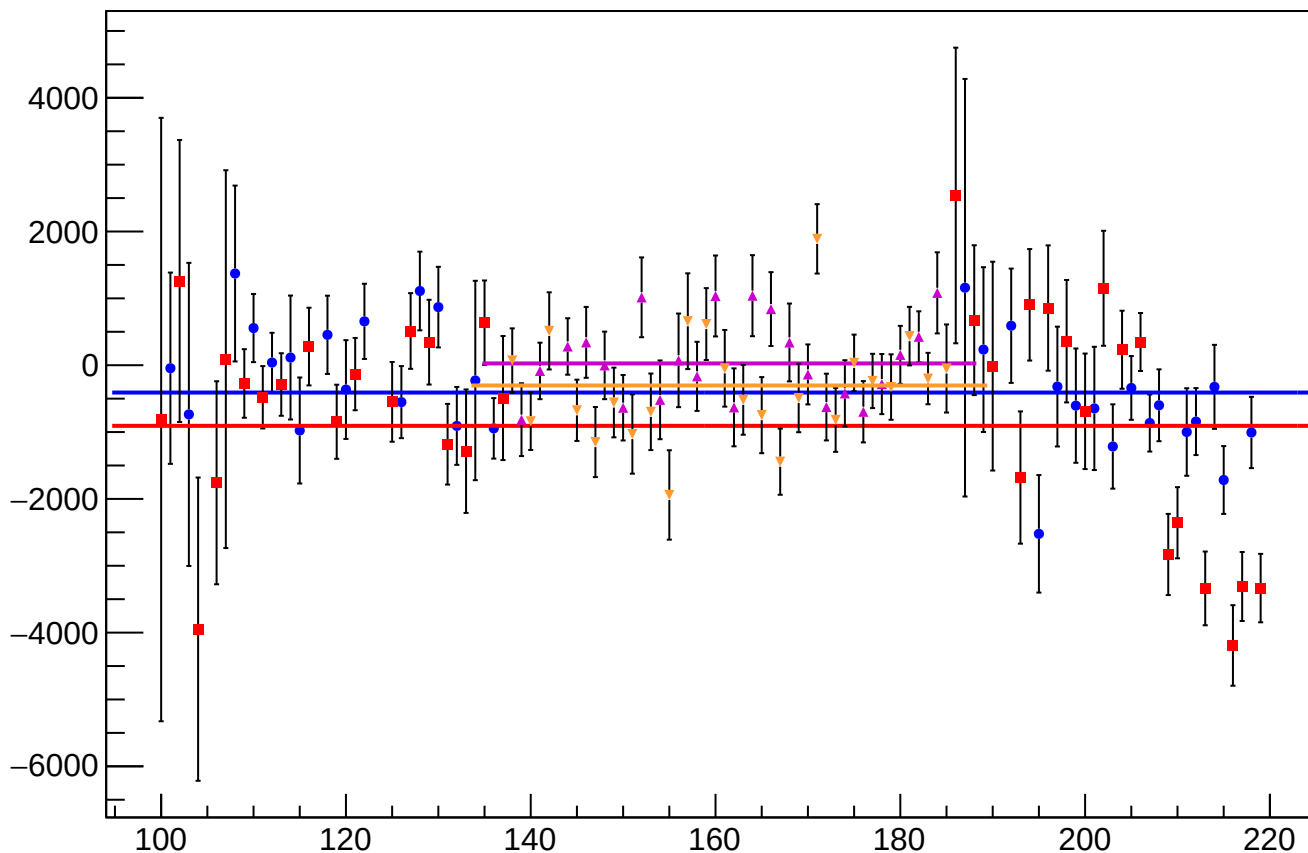
Right Out: 1122.781 $\pm$ 0.174 χ^2 /NDF: 260471.2/34

All: 1109.249 $\pm$ 0.089 χ^2 /NDF: 1009037.8/11

- sign 1111.532 $\pm$ 0.126 χ^2 /NDF: 313917.9/57

Left In: 1099.342 $\pm$ 0.182 χ^2 /NDF: 44785.7/22

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: -408.803 ± 113.581 $\chi^2/\text{NDF}: 46.7/31$

Left Out: -303.218 ± 102.979 $\chi^2/\text{NDF}: 49.5/23$

Right Out: -906.878 ± 114.228 $\chi^2/\text{NDF}: 175.0/34$

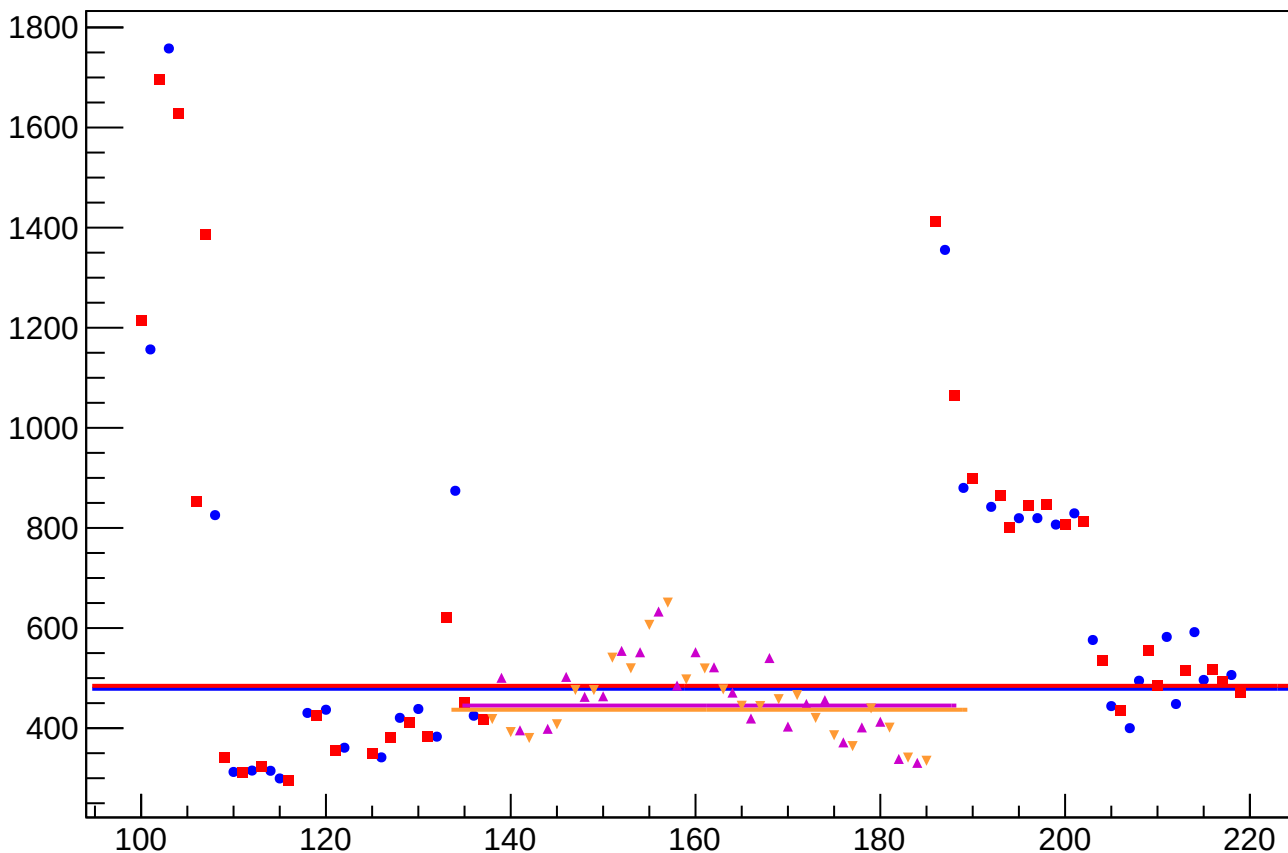
Left In: 26.739 ± 105.420 $\chi^2/\text{NDF}: 27.9/22$

+ sign -350.854 ± 76.291 $\chi^2/\text{NDF}: 96.7/55$

All: -376.375 ± 54.358 $\chi^2/\text{NDF}: 335.9/113$

- sign -402.692 ± 77.470 $\chi^2/\text{NDF}: 238.9/57$

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 478.728+/-0.080 χ^2/NDF : 4522835.7/31

Left Out: 436.787+/-0.073 χ^2/NDF : 855236.5/23

Right Out: 484.575+/-0.081 χ^2/NDF : 5742564.4/34

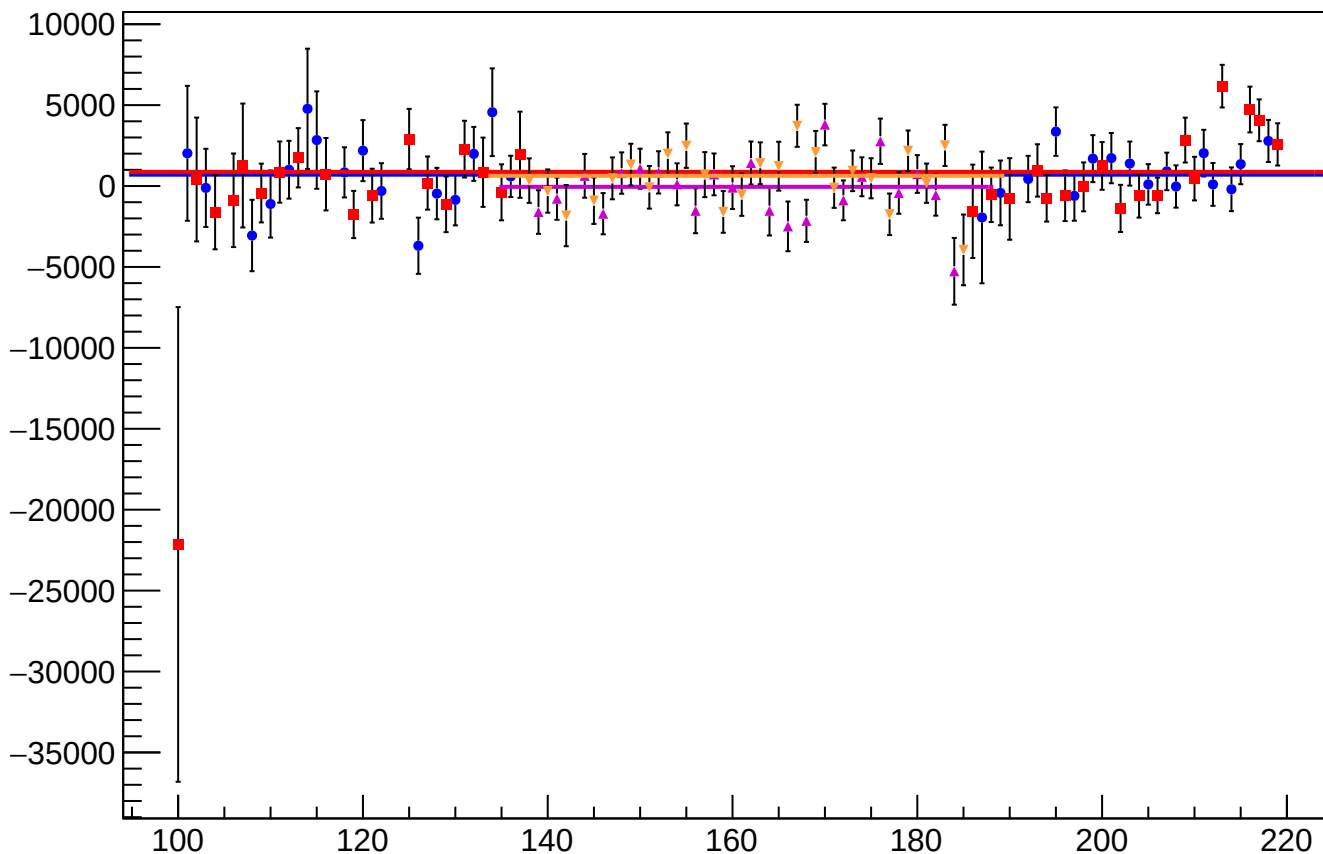
Left In: 445.108+/-0.075 χ^2/NDF : 874568.8/22

+ sign 455.709+/-0.054 χ^2/NDF : 5527746.2/55

All: 459.427+/-0.038 χ^2/NDF : 12283461.4/11

- sign 463.261+/-0.055 χ^2/NDF : 6746065.2/57

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 701.774 $\pm$ 284.635 χ^2 /NDF: 27.9/31

Left Out: 632.875 $\pm$ 274.060 χ^2 /NDF:30.1/23

Right Out: 877.268 $\pm$ 284.345 χ^2 /NDF: 56.2/34

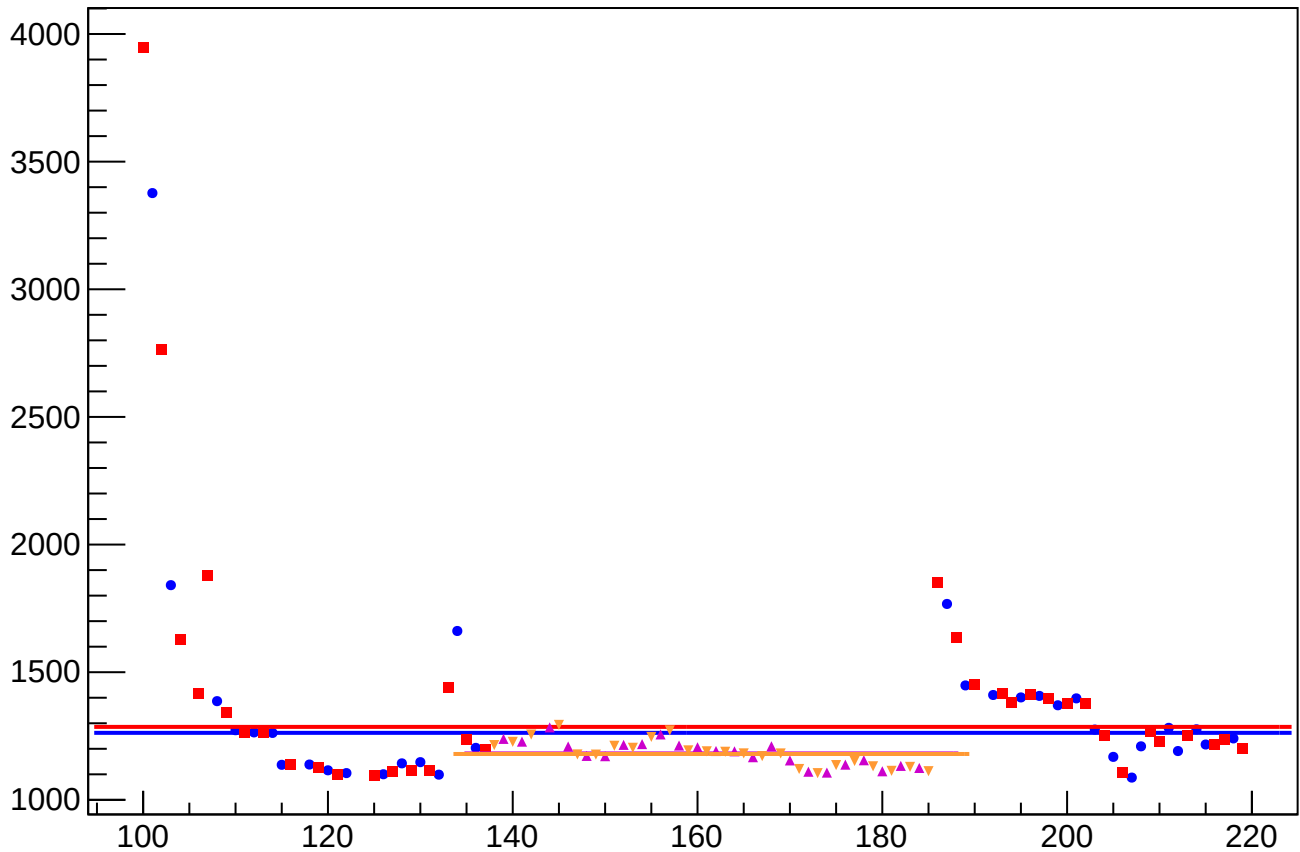
Left In: -50.835 $\pm$ 276.213 χ^2 /NDF:35.0/22

+ sign 666.021 $\pm$ 197.423 χ^2 /NDF: 58.0/55

All: 533.360 $\pm$ 139.846 χ^2 /NDF: 155.6/113

- sign 399.755 $\pm$ 198.124 χ^2 /NDF: 96.7/57

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1262.480+/-0.201 χ^2/NDF : 987872.8/31

Left Out: 1179.713+/-0.194 χ^2/NDF : 64667.7/23

Right Out: 1285.805+/-0.201 χ^2/NDF : 927740.8/34

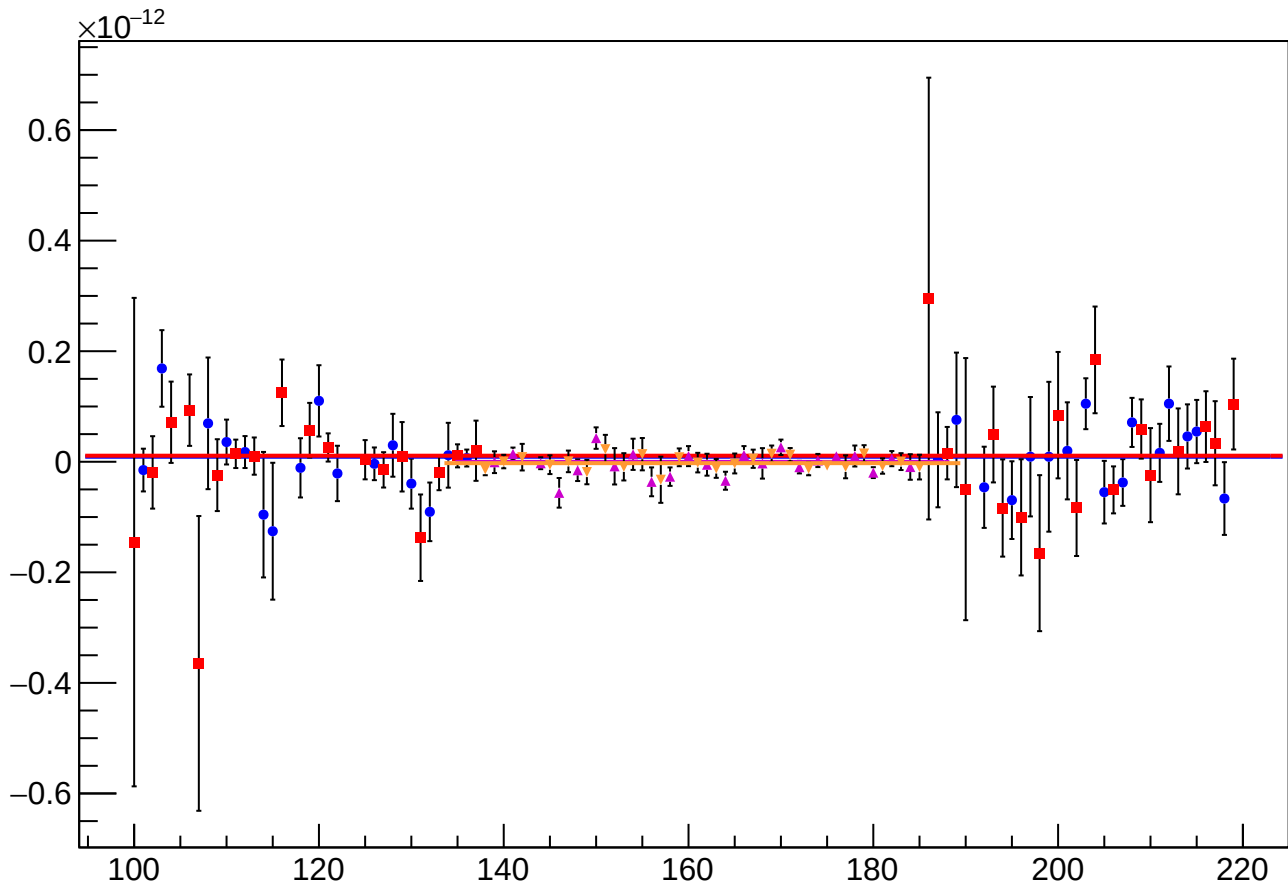
Left In: 1181.929+/-0.195 χ^2/NDF : 60355.9/22

+ sign 1219.530+/-0.140 χ^2/NDF : 1140294.1/55

All: 1225.923+/-0.099 χ^2/NDF : 2269927.1/11

- sign 1232.360+/-0.140 χ^2/NDF : 1125424.8/57

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.9/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 10.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.7/34

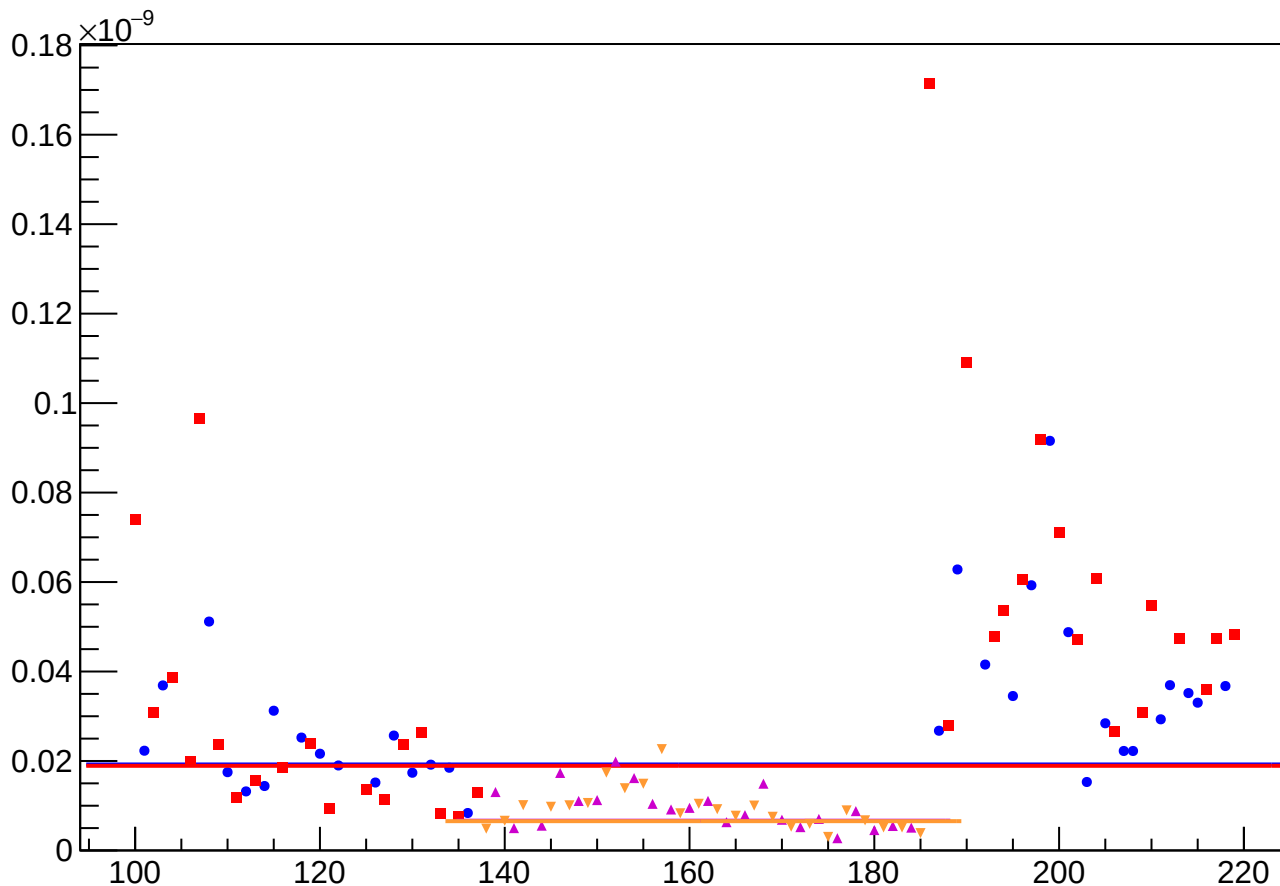
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 44.1/55

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 108.2/113

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 63.7/57

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3831048.9/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2332749.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6454057.7/34

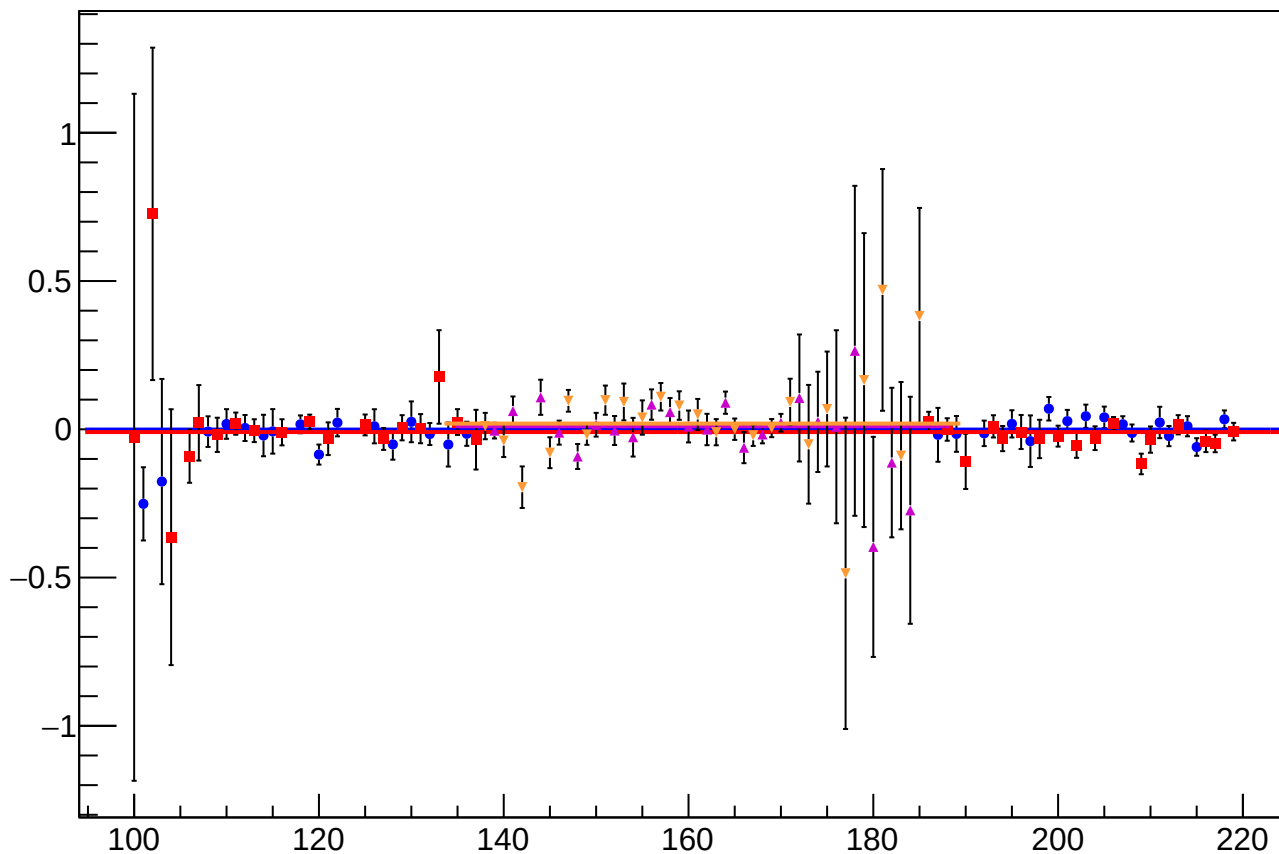
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2542530.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 10369391.8/55

All: 0.000 $\pm$ 0.000 χ^2/NDF : 23175468.0/113

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 12805761.3/57

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.007 χ^2/NDF : 26.8/31

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: -0.009 ± 0.007 χ^2/NDF : 28.5/34

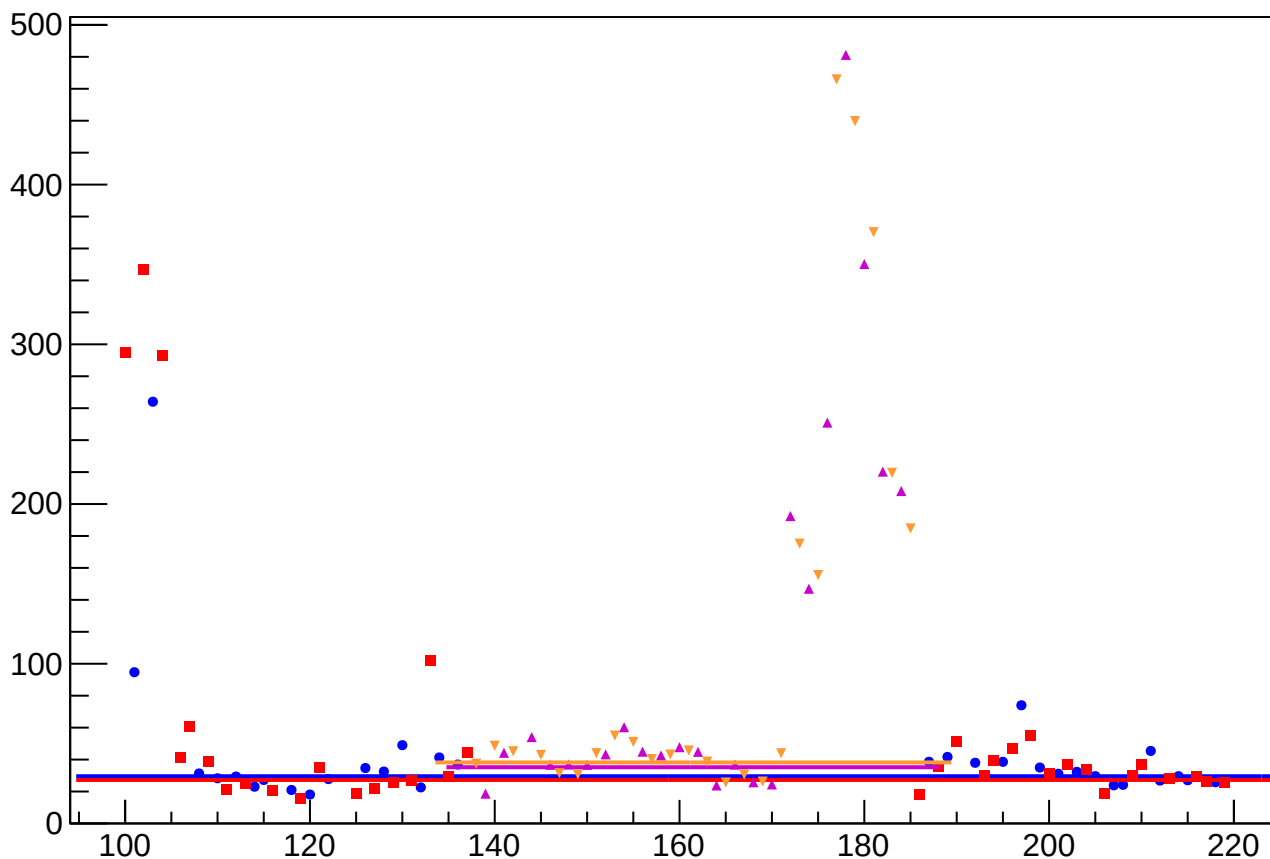
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.006 ± 0.006 χ^2/NDF : 65.1/55

All: 0.001 ± 0.004 χ^2/NDF : 120.8/113

- sign -0.003 ± 0.006 χ^2/NDF : 54.6/57

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.558 $\pm$ 0.005 χ^2 /NDF: 3486783.3/31

Left Out: 38.211 $\pm$ 0.008 χ^2 /NDF: 8285024.8/23

Right Out: 27.243 $\pm$ 0.005 χ^2 /NDF: 4837265.9/34

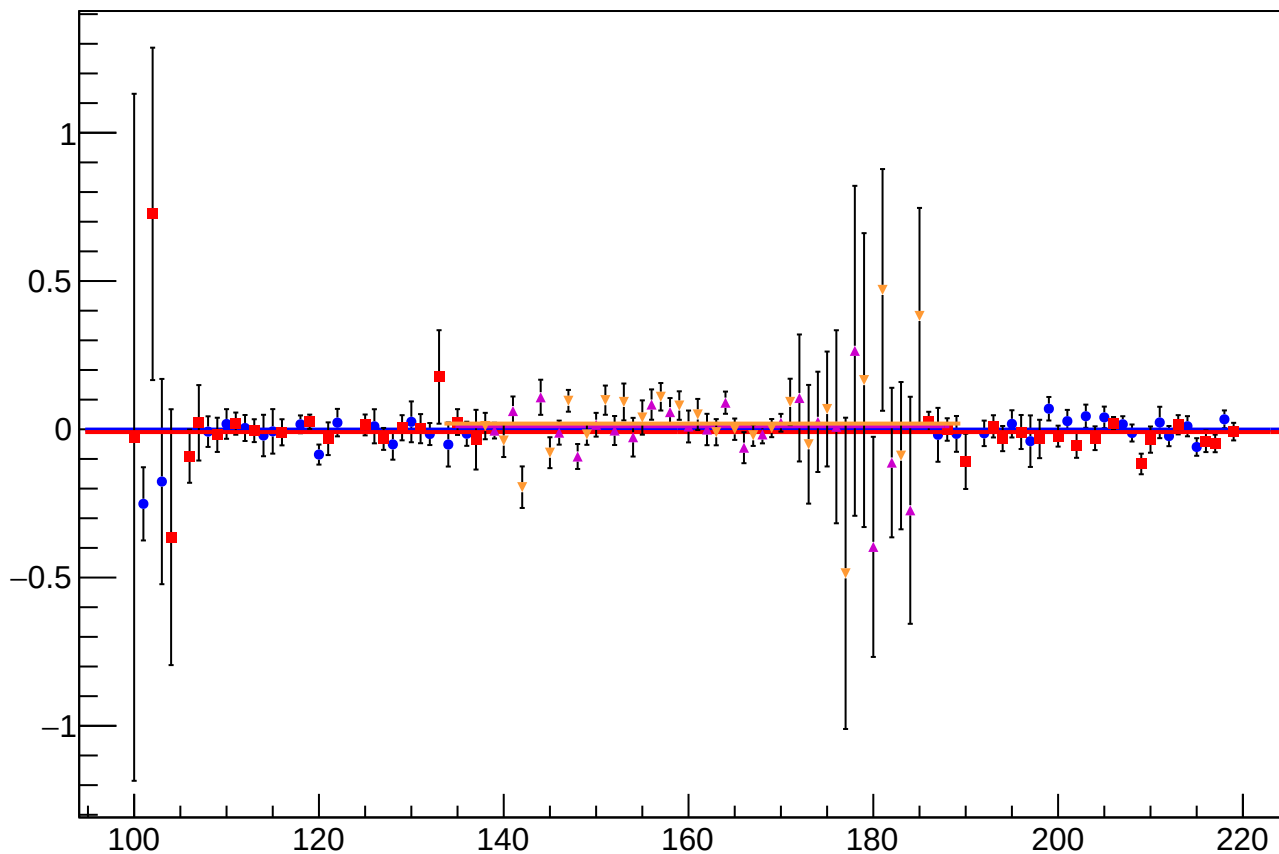
Left In: 35.195 $\pm$ 0.007 χ^2 /NDF: 9390926.6/22

+ sign 32.368 $\pm$ 0.004 χ^2 /NDF: 12637466.8/55

All: 30.970 $\pm$ 0.003 χ^2 /NDF: 27881436.0/113

- sign 29.748 $\pm$ 0.004 χ^2 /NDF: 15050785.0/57

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.007 χ^2/NDF : 26.8/31

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: -0.009 ± 0.007 χ^2/NDF : 28.5/34

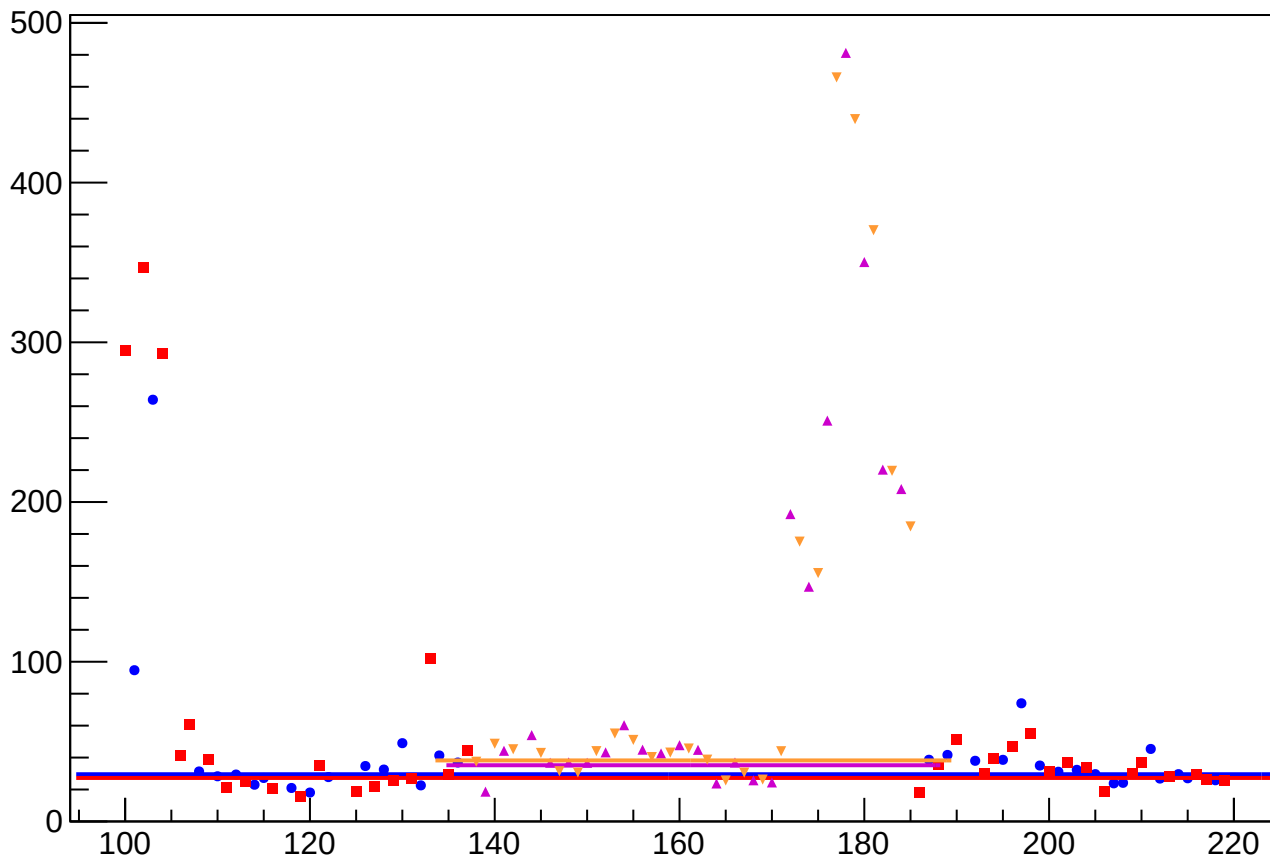
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.006 ± 0.006 χ^2/NDF : 65.1/55

All: 0.001 ± 0.004 χ^2/NDF : 120.8/113

- sign -0.003 ± 0.006 χ^2/NDF : 54.6/57

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.558 $\pm$ 0.005 χ^2 /NDF: 3486783.3/31

Left Out: 38.211 $\pm$ 0.008 χ^2 /NDF: 8285024.8/23

Right Out: 27.243 $\pm$ 0.005 χ^2 /NDF: 4837265.9/34

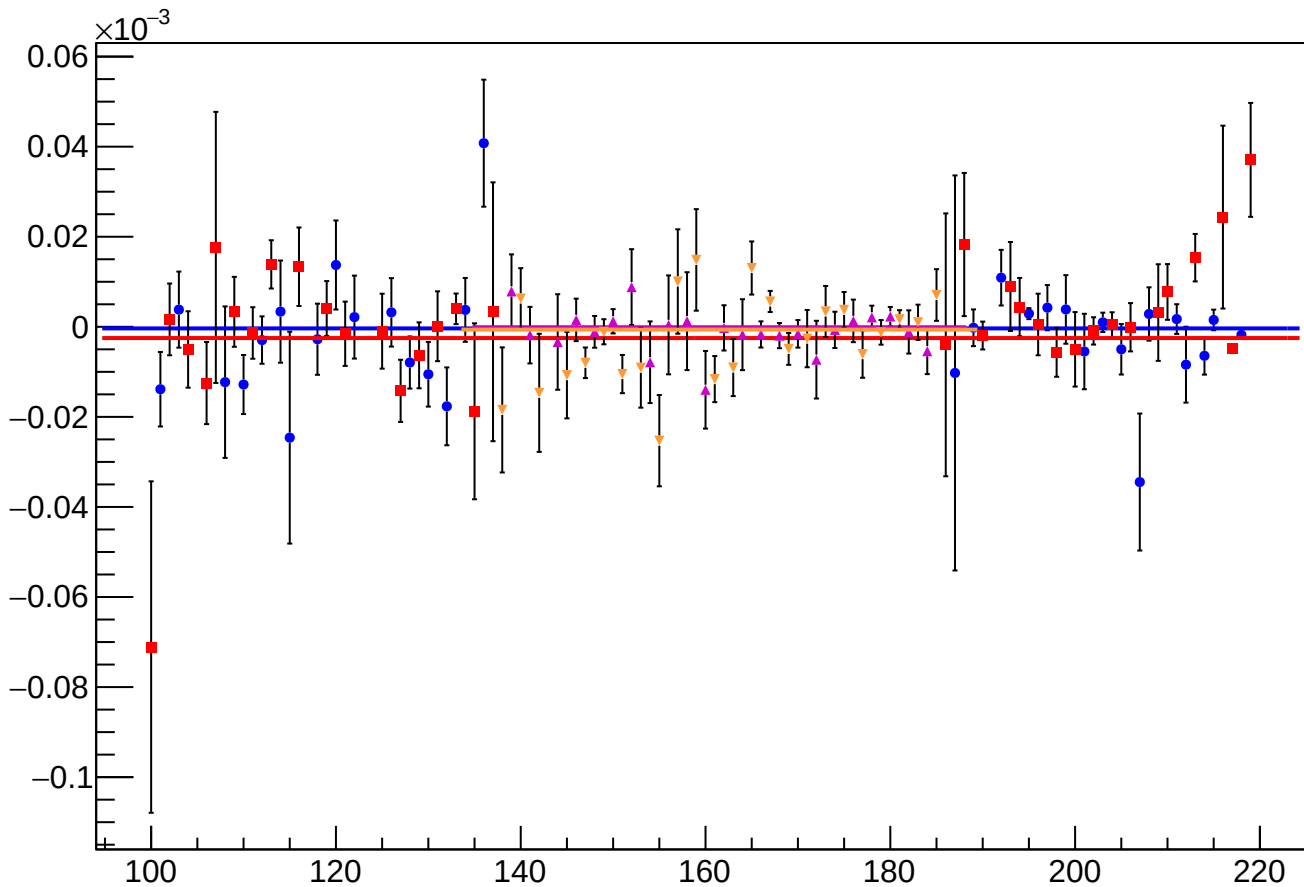
Left In: 35.195 $\pm$ 0.007 χ^2 /NDF: 9390926.6/22

+ sign 32.368 $\pm$ 0.004 χ^2 /NDF: 12637466.8/55

All: 30.970 $\pm$ 0.003 χ^2 /NDF: 27881436.0/113

- sign 29.748 $\pm$ 0.004 χ^2 /NDF: 15050785.0/57

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 53.1/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 51.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 67.8/34

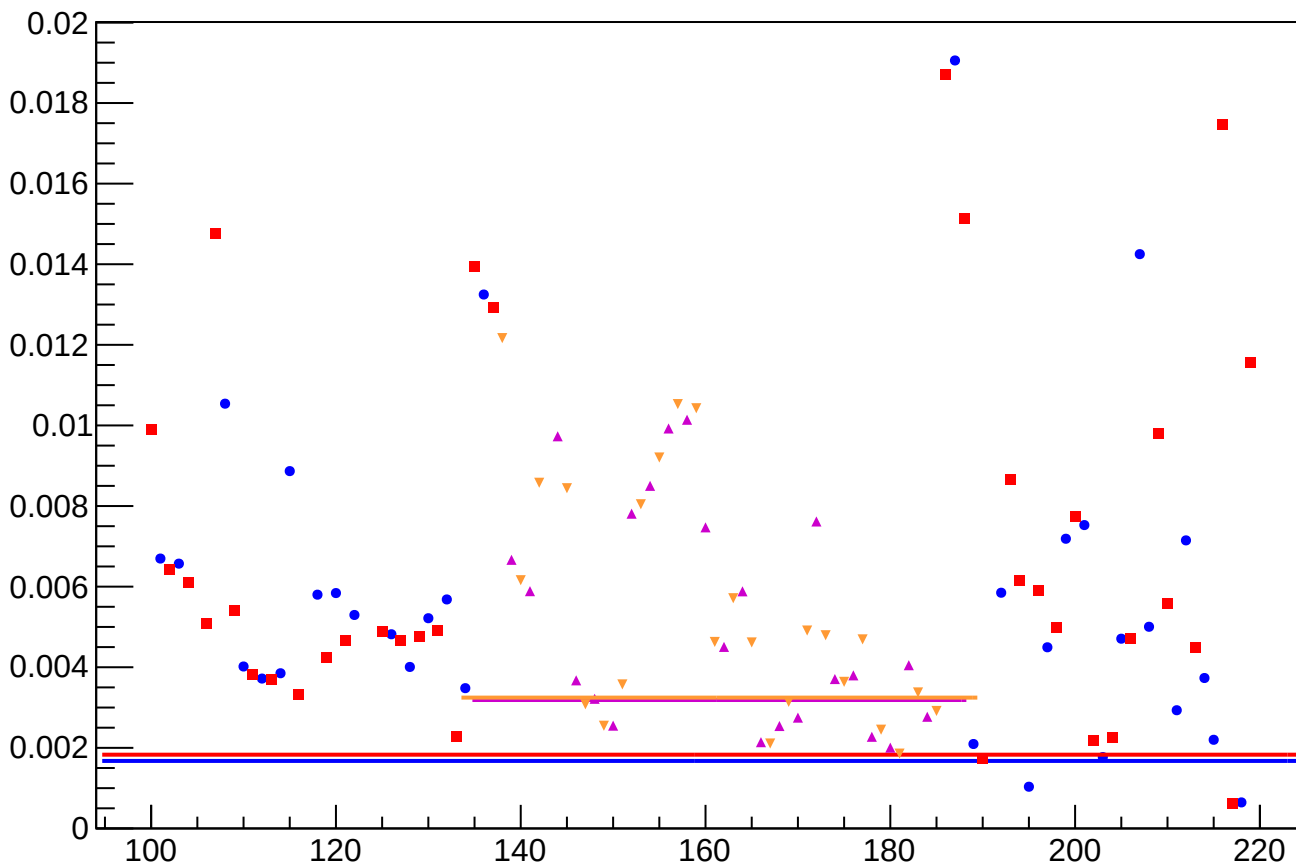
Left In: -0.000 ± 0.000 χ^2/NDF : 11.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 104.3/55

All: -0.000 ± 0.000 χ^2/NDF : 191.2/113

- sign -0.000 ± 0.000 χ^2/NDF : 83.9/57

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 18916926.9/31

Left Out: 0.003+/-0.000 χ^2/NDF : 7736973.1/23

Right Out: 0.002+/-0.000 χ^2/NDF : 22024400.5/34

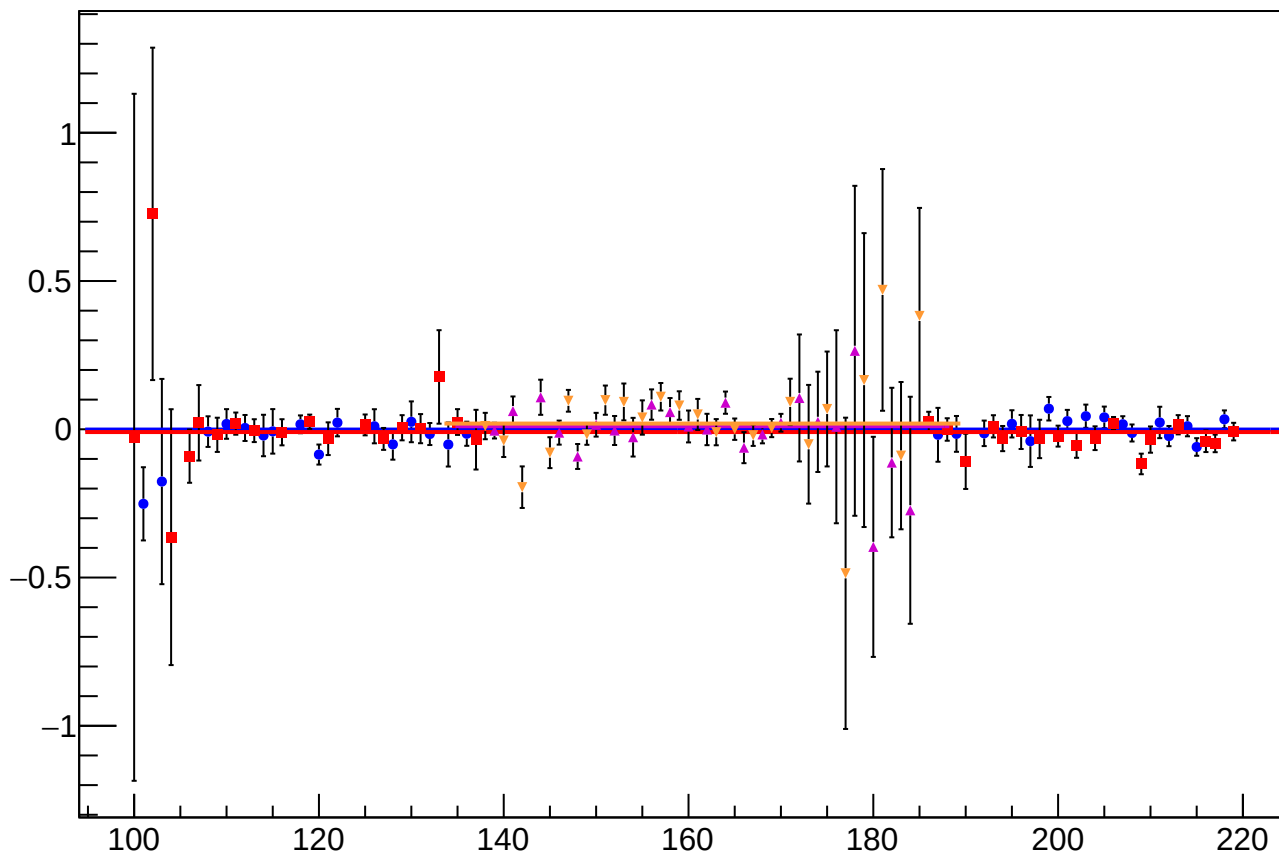
Left In: 0.003+/-0.000 χ^2/NDF : 7301771.9/22

+ sign 0.002+/-0.000 χ^2/NDF : 31290094.6/55

All: 0.002+/-0.000 χ^2/NDF : 63952587.1/113

- sign 0.002+/-0.000 χ^2/NDF : 32544586.6/57

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.007 χ^2/NDF : 26.8/31

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: -0.009 ± 0.007 χ^2/NDF : 28.5/34

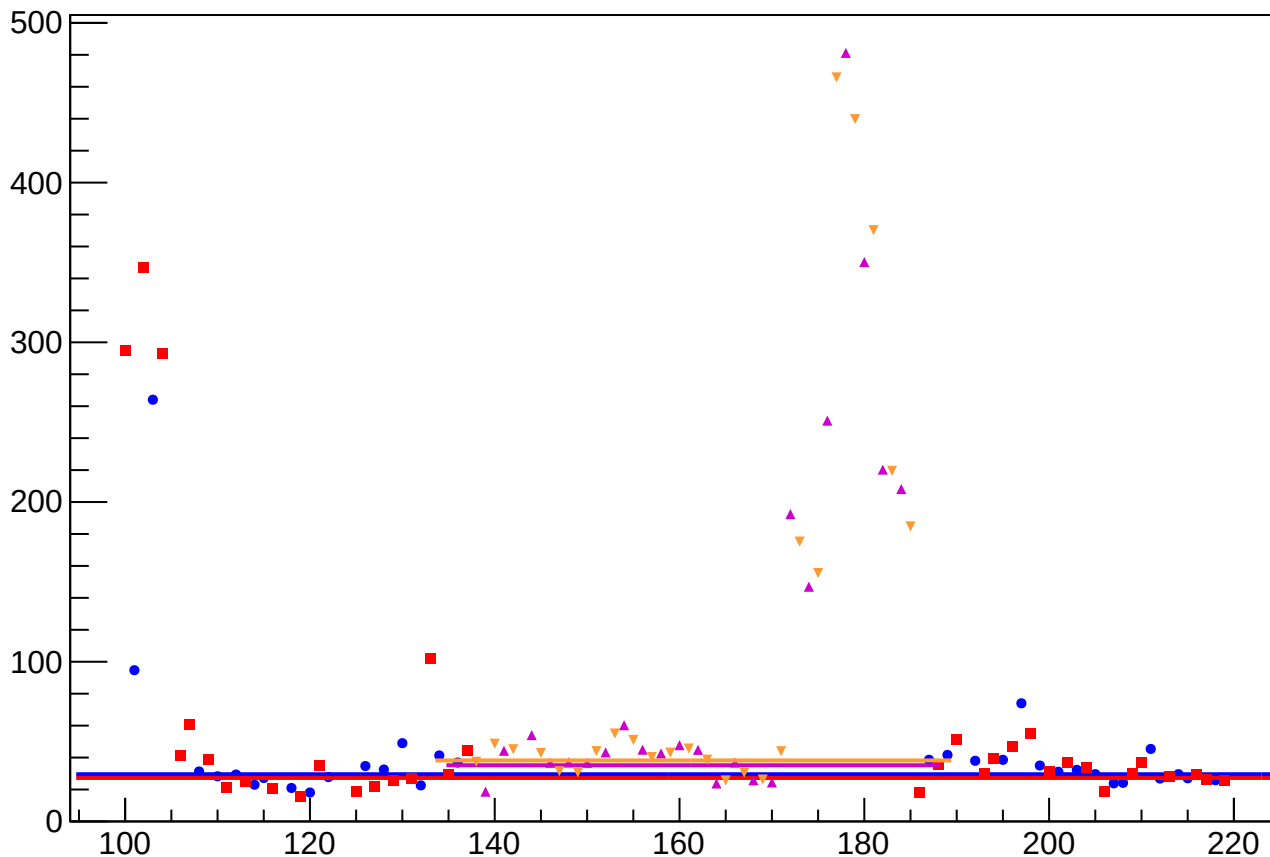
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.006 ± 0.006 χ^2/NDF : 65.1/55

All: 0.001 ± 0.004 χ^2/NDF : 120.8/113

- sign -0.003 ± 0.006 χ^2/NDF : 54.6/57

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.557 $\pm$ 0.005 χ^2 /NDF: 3486956.6/31

Left Out: 38.210 $\pm$ 0.008 χ^2 /NDF: 8285200.7/23

Right Out: 27.242 $\pm$ 0.005 χ^2 /NDF: 4837496.5/34

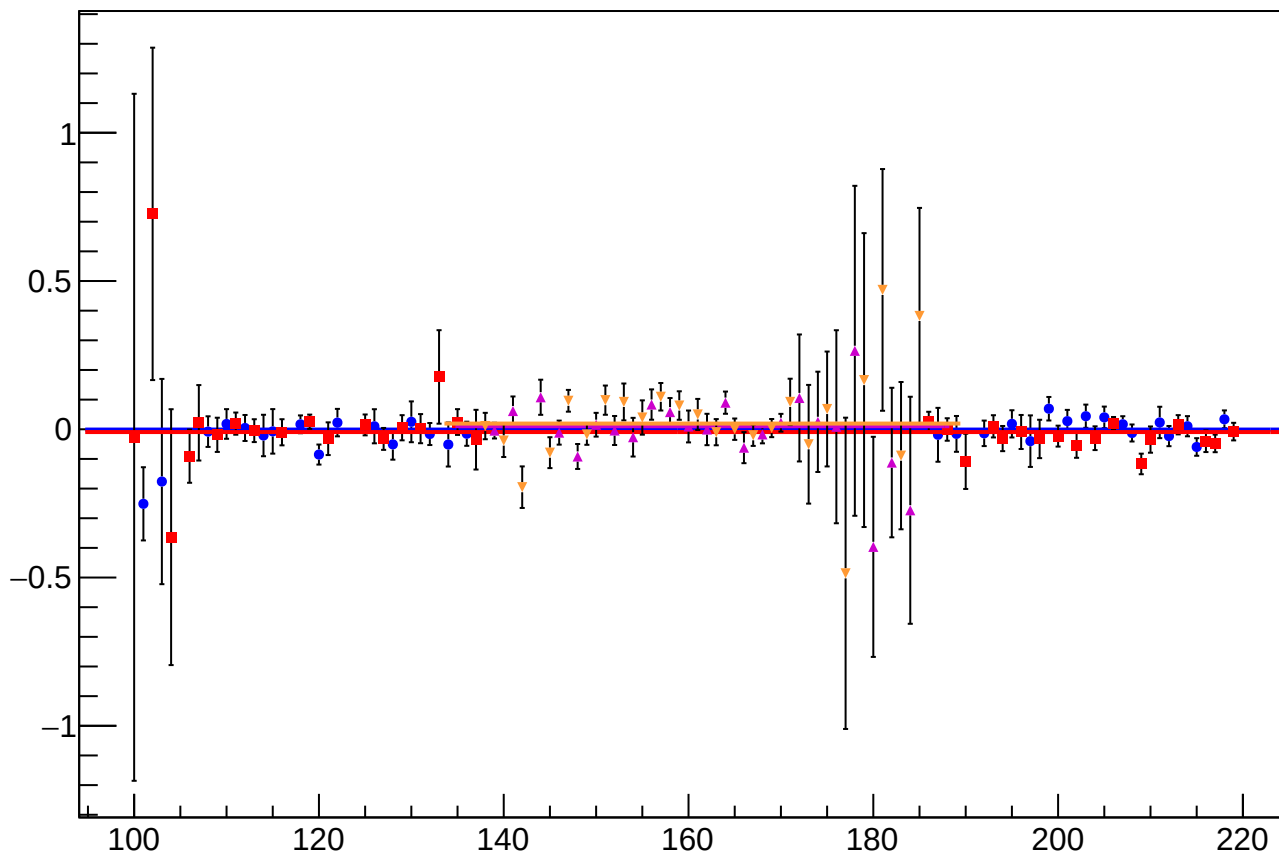
Left In: 35.195 $\pm$ 0.007 χ^2 /NDF: 9391361.4/22

+ sign 32.368 $\pm$ 0.004 χ^2 /NDF: 12637885.9/55

All: 30.969 $\pm$ 0.003 χ^2 /NDF: 27882819.1/113

- sign 29.747 $\pm$ 0.004 χ^2 /NDF: 15051669.1/57

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.007 χ^2/NDF : 26.8/31

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: -0.009 ± 0.007 χ^2/NDF : 28.5/34

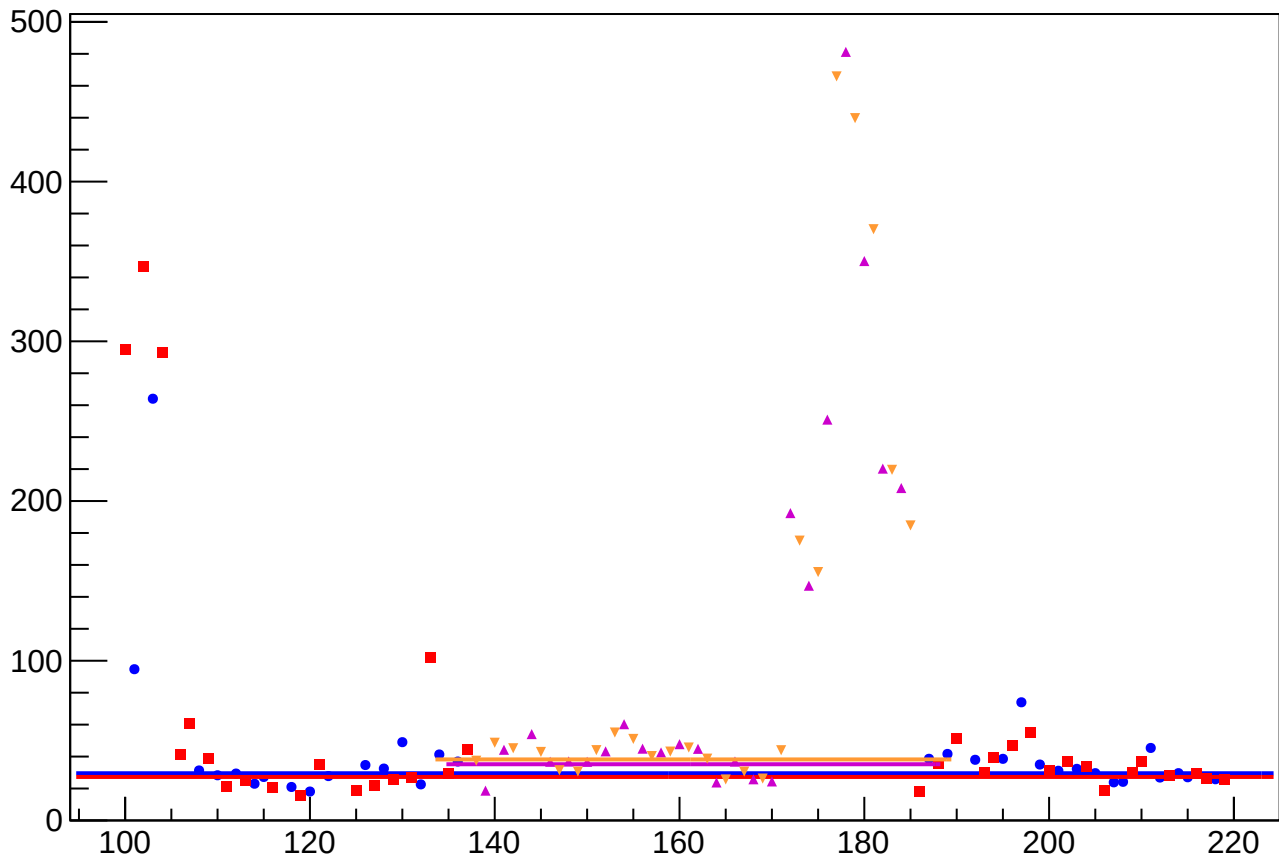
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.006 ± 0.006 χ^2/NDF : 65.1/55

All: 0.001 ± 0.004 χ^2/NDF : 120.8/113

- sign -0.003 ± 0.006 χ^2/NDF : 54.6/57

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.557 $\pm$ 0.005 χ^2 /NDF: 3486956.6/31

Left Out: 38.210 $\pm$ 0.008 χ^2 /NDF: 8285200.7/23

Right Out: 27.242 $\pm$ 0.005 χ^2 /NDF: 4837496.5/34

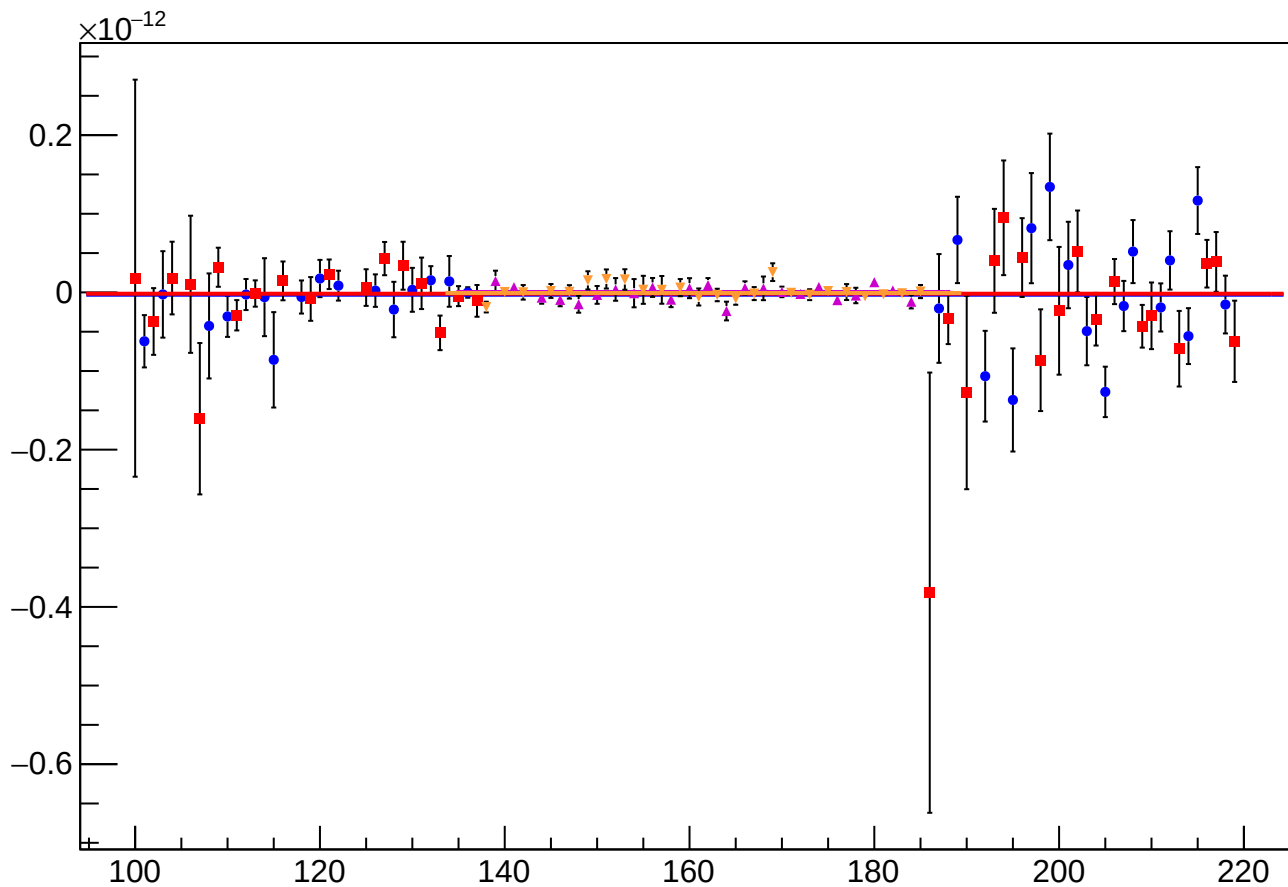
Left In: 35.195 $\pm$ 0.007 χ^2 /NDF: 9391361.4/22

+ sign 32.368 $\pm$ 0.004 χ^2 /NDF: 12637885.9/55

All: 30.969 $\pm$ 0.003 χ^2 /NDF: 27882819.1/113

- sign 29.747 $\pm$ 0.004 χ^2 /NDF: 15051669.1/57

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 54.6/31

Left Out: -0.000+/-0.000 χ^2 /NDF: 21.1/23

Right Out: -0.000+/-0.000 χ^2 /NDF: 41.0/34

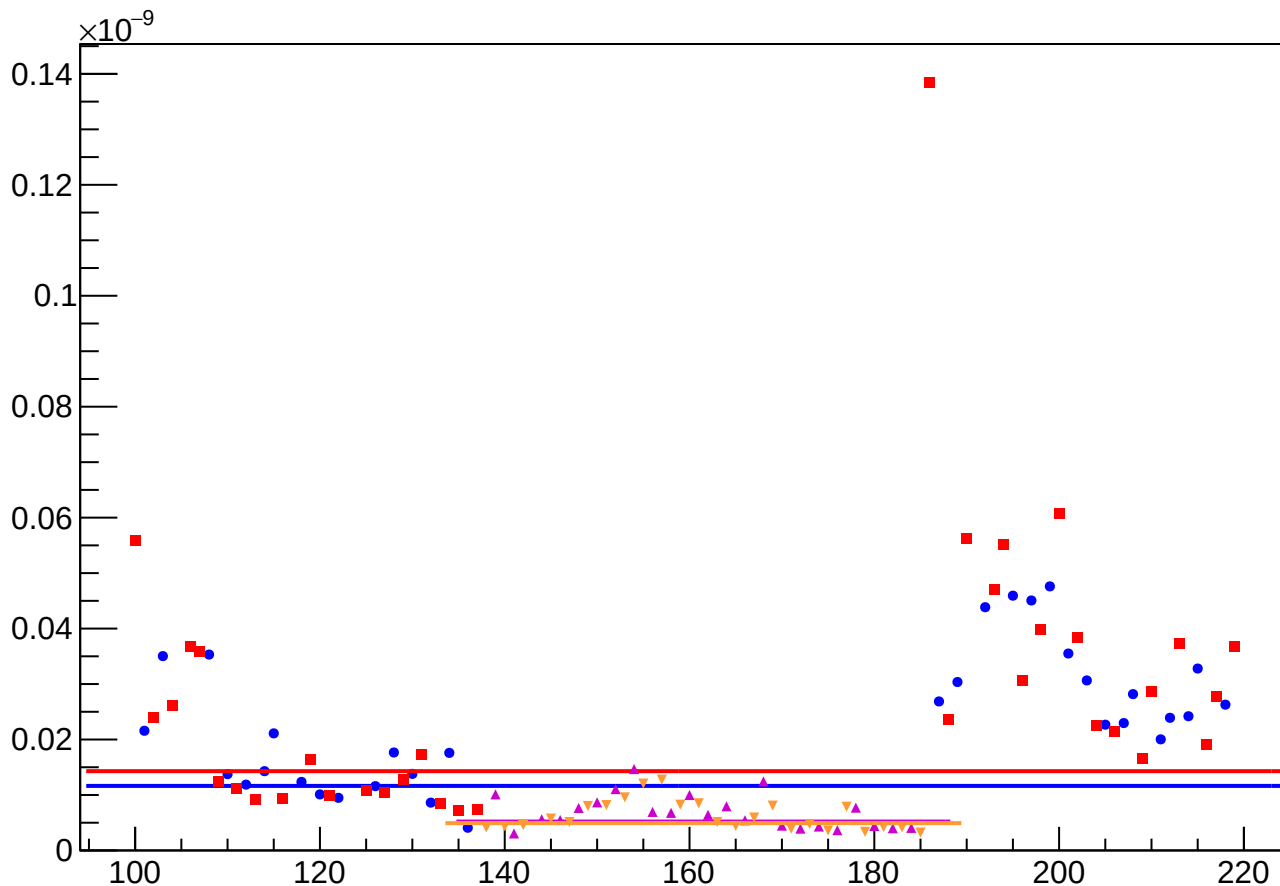
Left In: 0.000+/-0.000 χ^2 /NDF: 26.2/22

+ sign -0.000+/-0.000 χ^2 /NDF: 76.0/55

All: -0.000+/-0.000 χ^2 /NDF: 143.8/113

- sign 0.000+/-0.000 χ^2 /NDF: 67.5/57

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9173634.8/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2632036.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 7239966.1/34

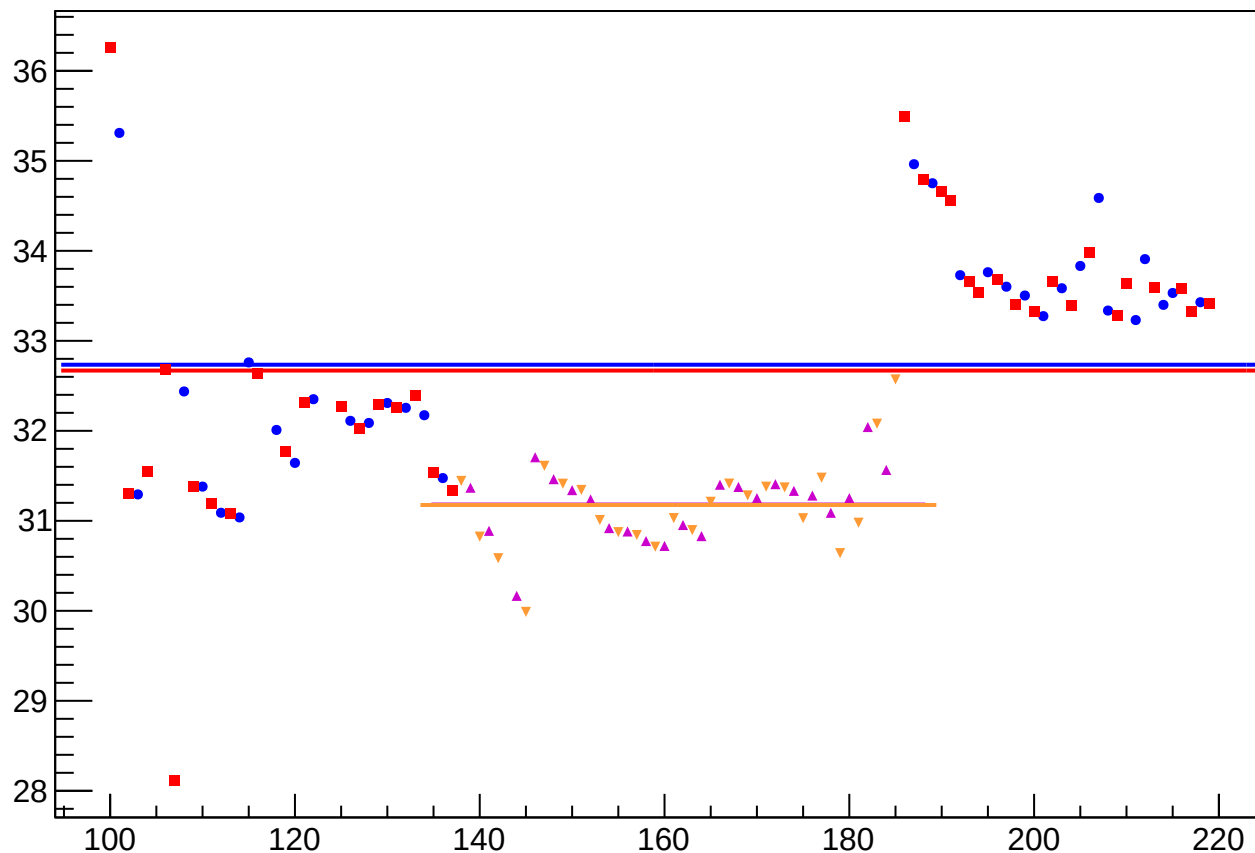
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 3449719.7/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 15995612.3/55

All: 0.000 $\pm$ 0.000 χ^2/NDF : 32830553.4/113

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 16758746.5/57

yield_usl_mean vs Slug



Right In: 32.735+/-0.000 χ^2/NDF : 2563165947.4/31

Left Out: 31.176+/-0.000 χ^2/NDF : 529824418.6/23

Right Out: 32.670+/-0.000 χ^2/NDF : 2453165387.8/35

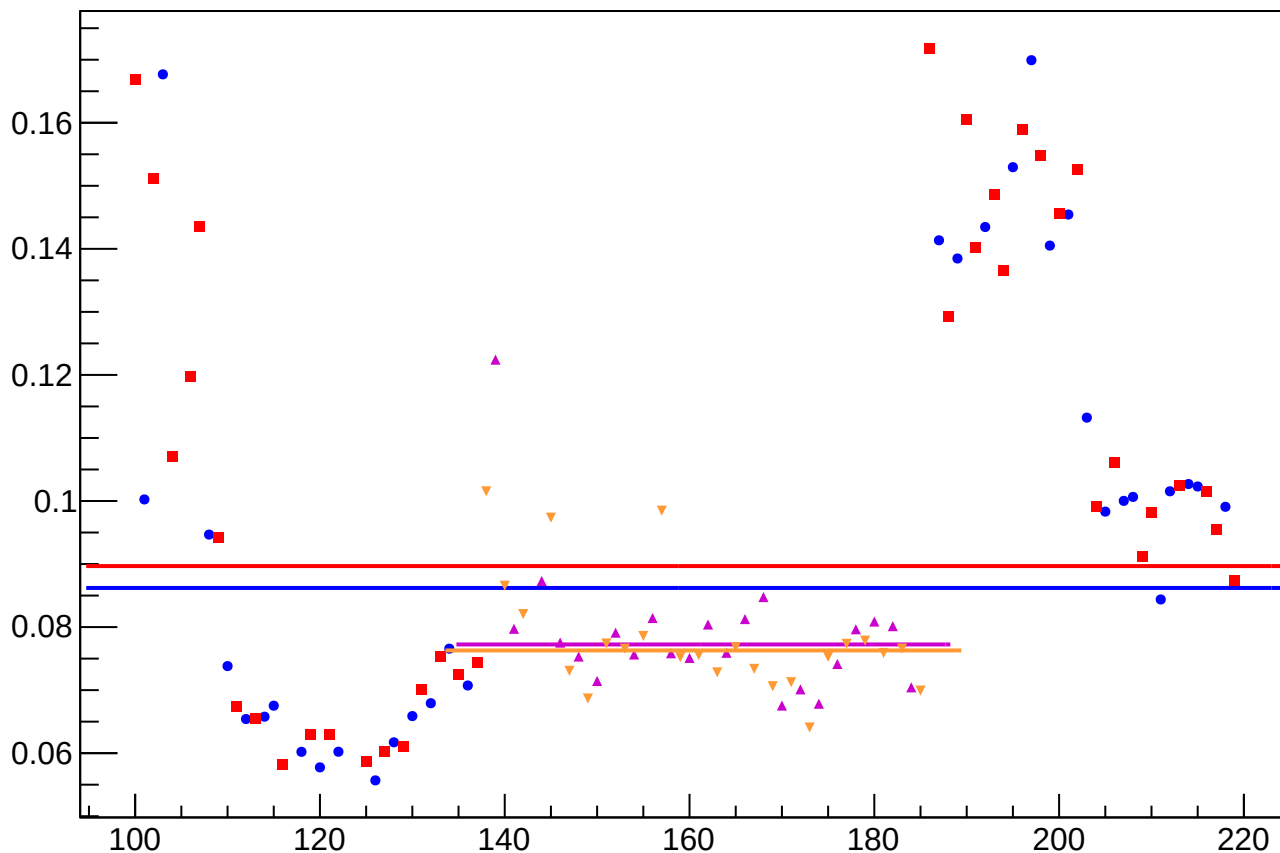
Left In: 31.181+/-0.000 χ^2/NDF : 376263410.1/22

+ sign 31.872+/-0.000 χ^2/NDF : 6216627674.1/55

All: 31.862+/-0.000 χ^2/NDF : 11811690294.9

- sign 31.851+/-0.000 χ^2/NDF : 5593924601.8/58

yield_usl_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 3625857.7/31

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:356697.3/23

Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 4016731.2/35

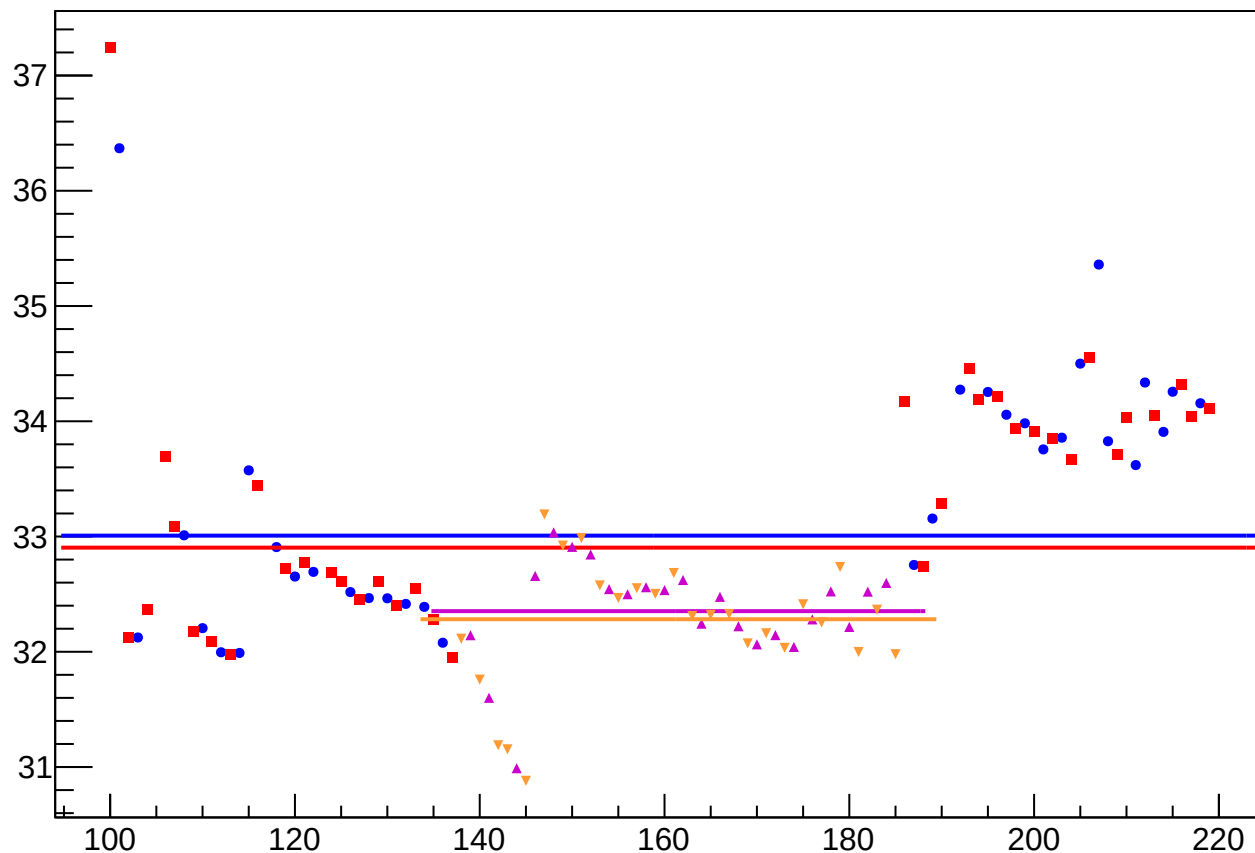
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:365206.5/22

+ sign 0.081 $\pm$ 0.000 χ^2 /NDF: 4235309.9/55

All: 0.082 $\pm$ 0.000 χ^2 /NDF: 9025745.1/114

- sign 0.083 $\pm$ 0.000 χ^2 /NDF: 4767463.2/58

yield_usr_mean vs Slug



Right In: 33.008 $\pm$ 0.000 χ^2 /NDF: 1289002500.8/31

Left Out: 32.282 $\pm$ 0.000 χ^2 /NDF: 838959313.2/24

Right Out: 32.904 $\pm$ 0.000 χ^2 /NDF: 736832173.5/35

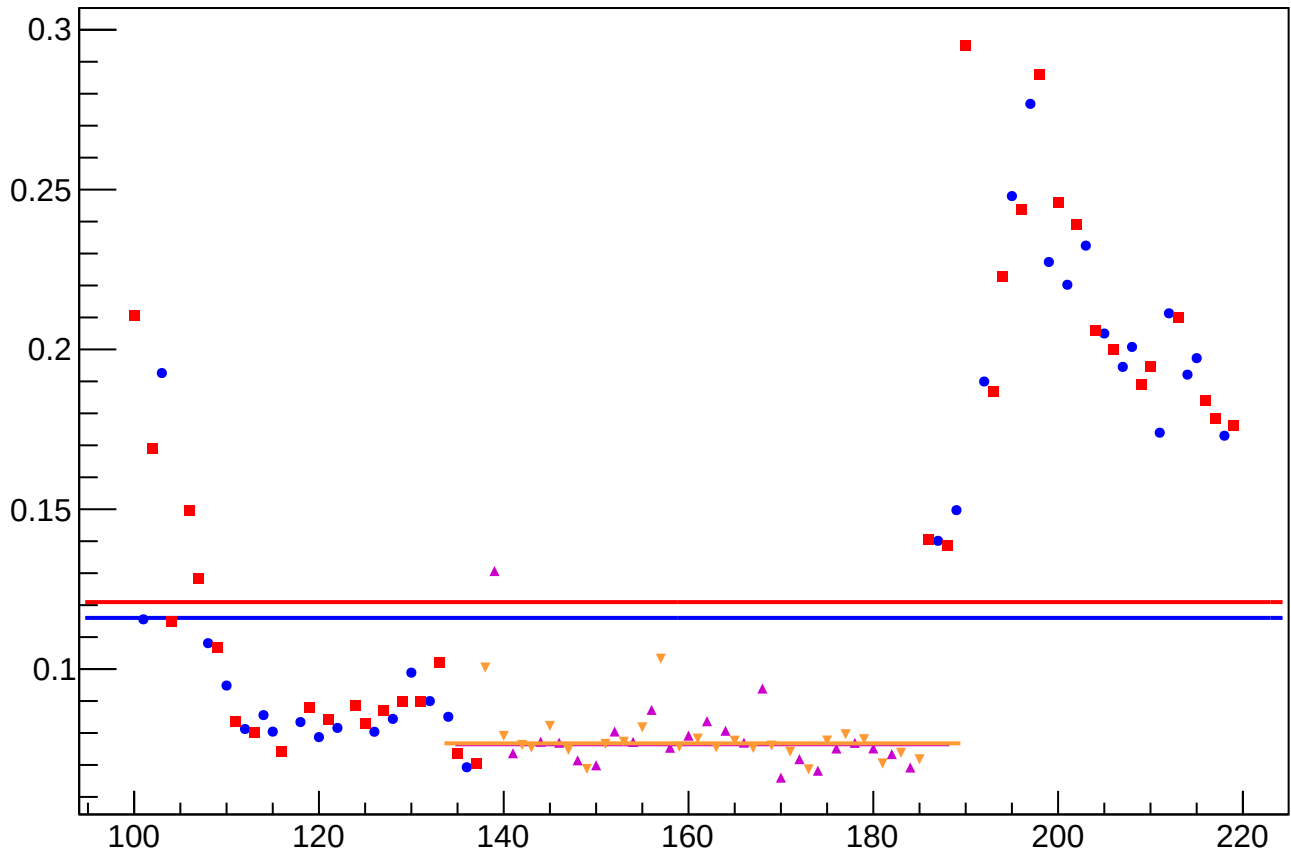
Left In: 32.353 $\pm$ 0.000 χ^2 /NDF: 589893462.0/22

+ sign 32.484 $\pm$ 0.000 χ^2 /NDF: 2565589266.4/56

All: 32.496 $\pm$ 0.000 χ^2 /NDF: 4140767989.9/100

- sign 32.508 $\pm$ 0.000 χ^2 /NDF: 1573921803.2/58

yield_usr_rms vs Slug



Right In: 0.116 $\pm$ 0.000 χ^2/NDF : 6735879.2/31

Left Out: 0.077 $\pm$ 0.000 χ^2/NDF : 250795.7/24

Right Out: 0.121 $\pm$ 0.000 χ^2/NDF : 6583308.5/35

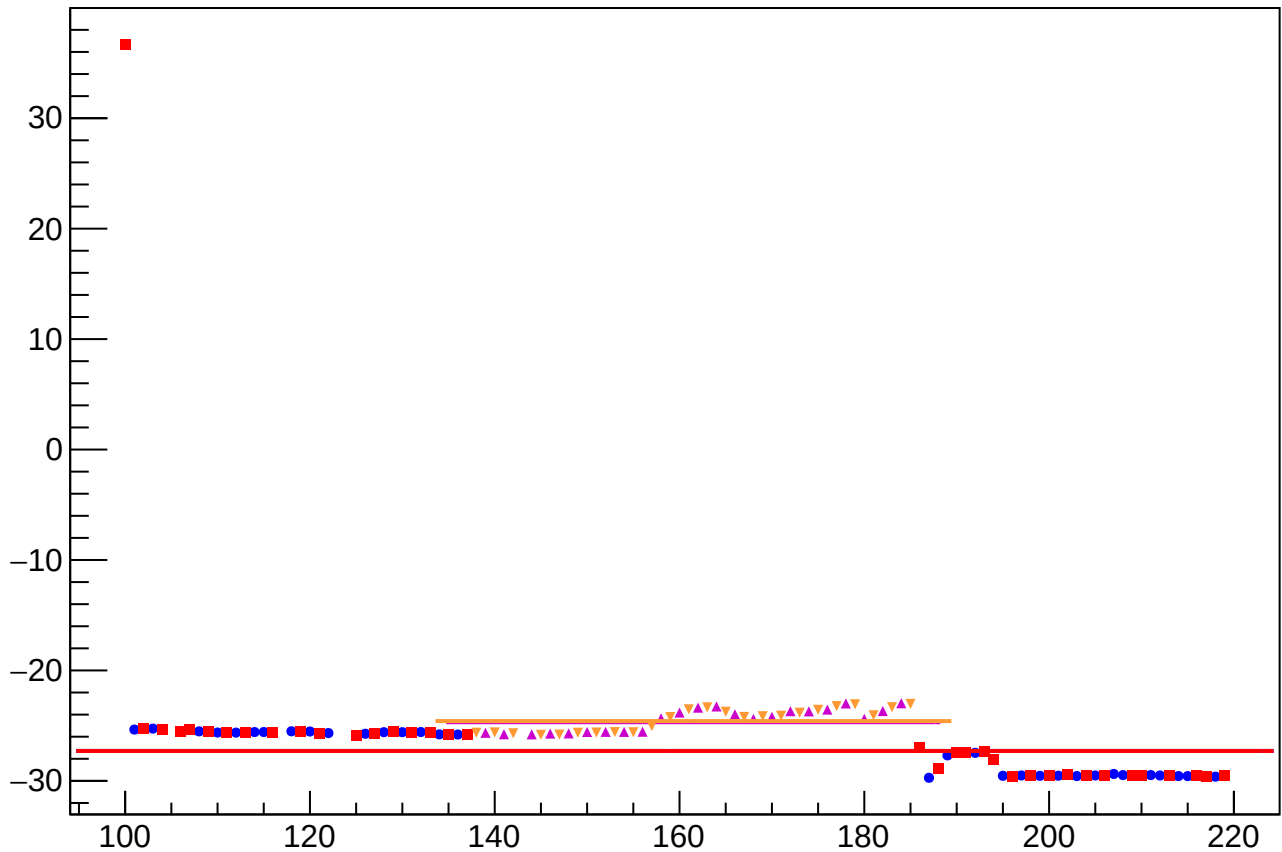
Left In: 0.076 $\pm$ 0.000 χ^2/NDF : 482593.3/22

+ sign 0.088 $\pm$ 0.000 χ^2/NDF : 9548909.8/56

All: 0.088 $\pm$ 0.000 χ^2/NDF : 19843735.8/115

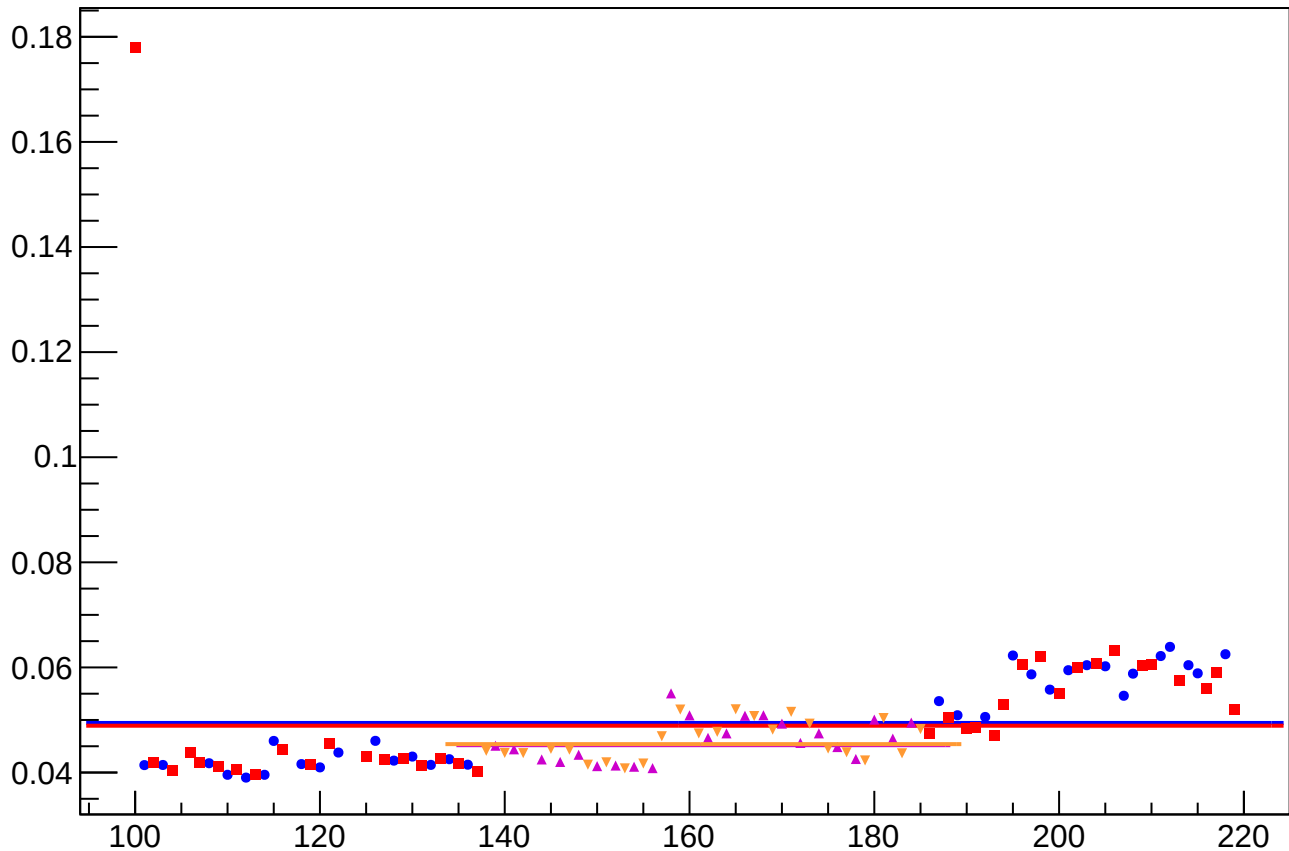
- sign 0.089 $\pm$ 0.000 χ^2/NDF : 10286880.9/58

yield_dsl_mean vs Slug



Right In: -27.289 ± 0.000 $\chi^2/\text{NDF}: 27552873344.3/31$
 Left Out: -24.587 ± 0.000 $\chi^2/\text{NDF}: 9182387434.6/23$
 Right Out: -27.291 ± 0.000 $\chi^2/\text{NDF}: 36885523680.3/35$
 Left In: -24.689 ± 0.000 $\chi^2/\text{NDF}: 8820957974.3/22$
 + sign -25.859 ± 0.000 $\chi^2/\text{NDF}: 66723388588.9/55$
 All: -25.915 ± 0.000 $\chi^2/\text{NDF}: 141563874604$
 - sign -25.969 ± 0.000 $\chi^2/\text{NDF}: 74738434451.5/58$

yield_dsl_rms vs Slug



Right In: 0.049 $\pm$ 0.000 χ^2 /NDF: 1172030.5/31

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:205535.7/23

Right Out: 0.049 $\pm$ 0.000 χ^2 /NDF: 1120946.8/35

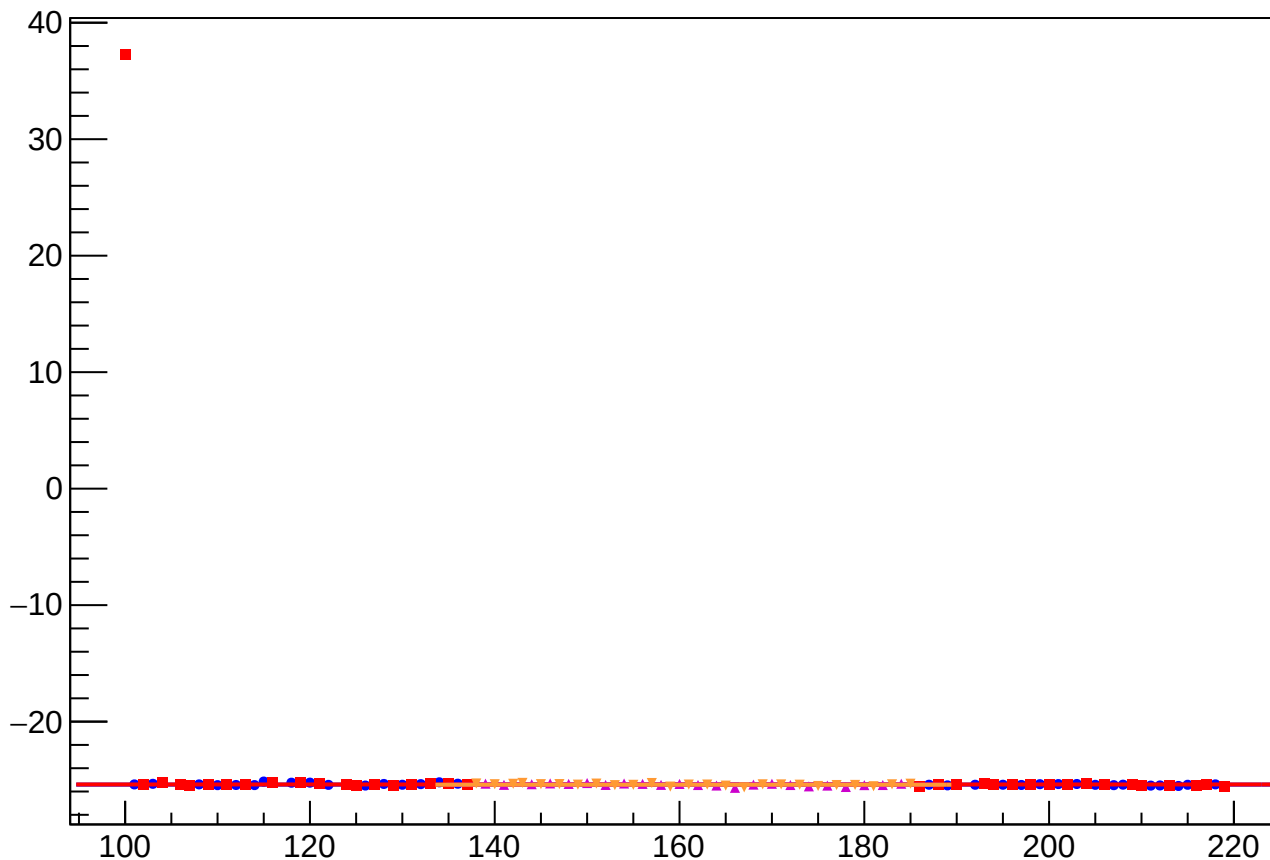
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:244675.5/22

+ sign 0.047 $\pm$ 0.000 χ^2 /NDF: 1510968.0/55

All: 0.047 $\pm$ 0.000 χ^2 /NDF: 2995531.6/114

- sign 0.047 $\pm$ 0.000 χ^2 /NDF: 1483294.7/58

yield_dsr_mean vs Slug



Right In: -25.408+/-0.000 χ^2/NDF : 32001946.2/31

Left Out: -25.417+/-0.000 χ^2/NDF : 52213098.9/24

Right Out: -25.394+/-0.000 χ^2/NDF : 6354639213.3/35

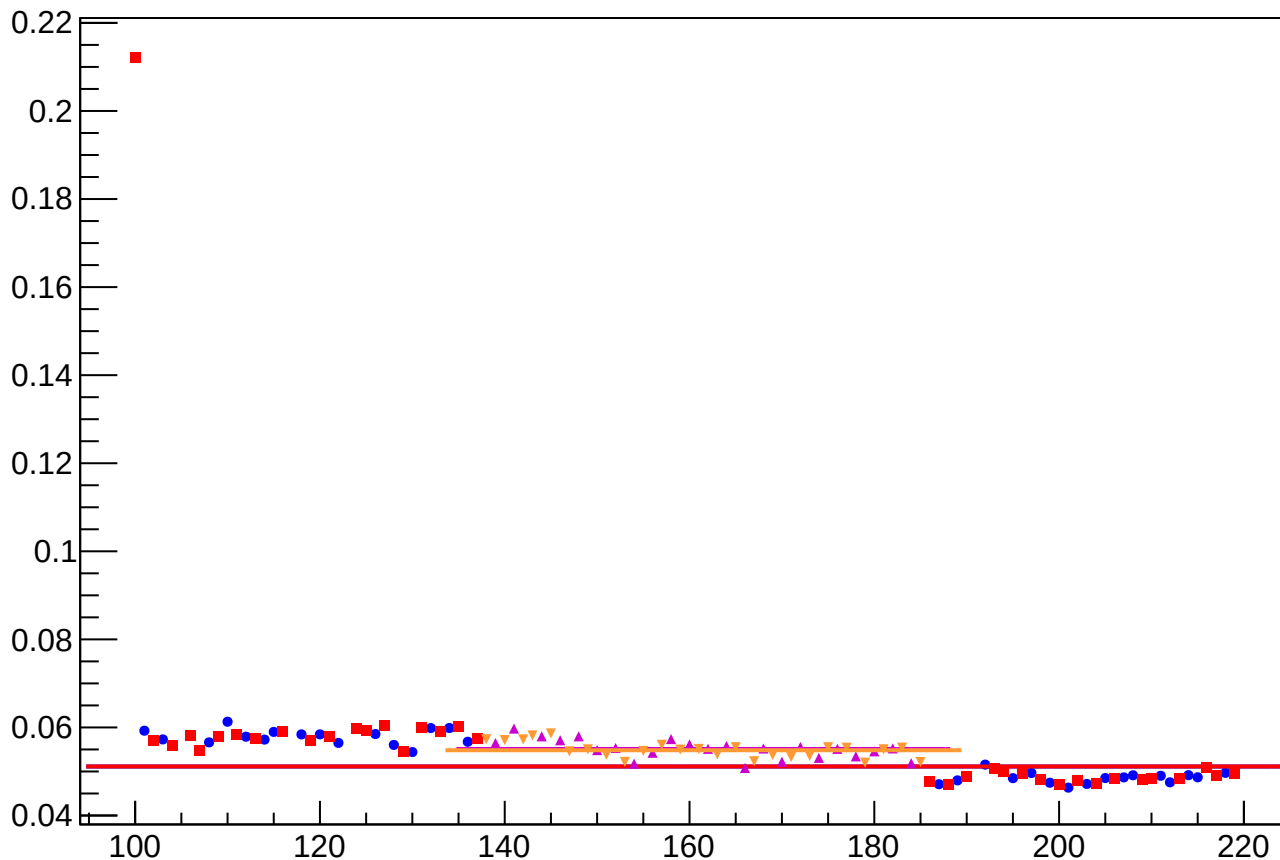
Left In: -25.414+/-0.000 χ^2/NDF : 55851916.1/22

+ sign -25.412+/-0.000 χ^2/NDF : 84489692.6/56

All: -25.407+/-0.000 χ^2/NDF : 6496857789.2/100

- sign -25.403+/-0.000 χ^2/NDF : 6411804989.5/58

yield_dsr_rms vs Slug



Right In: 0.051 $\pm$ 0.000 χ^2 /NDF: 280150.5/31

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38095.1/24

Right Out: 0.051 $\pm$ 0.000 χ^2 /NDF: 381234.7/35

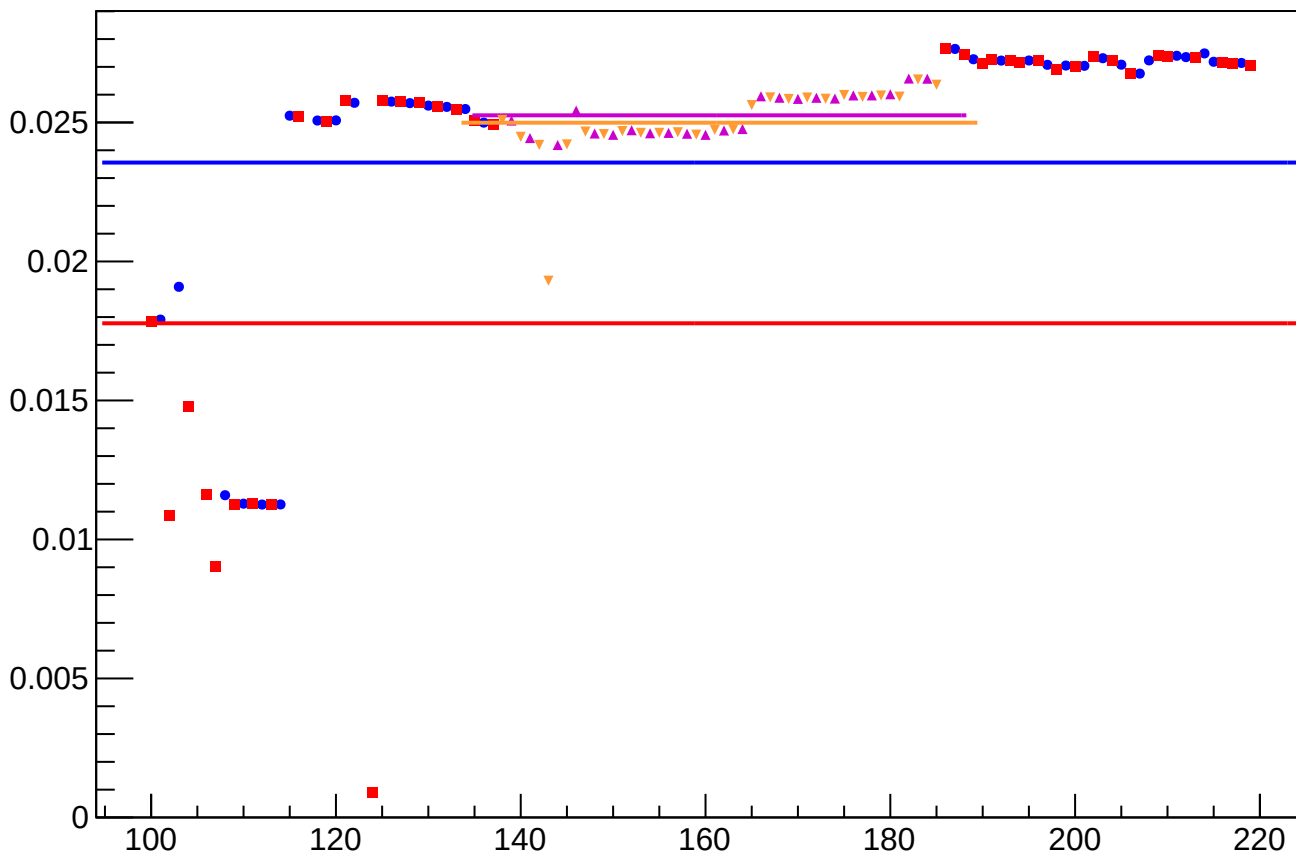
Left In: 0.055 $\pm$ 0.000 χ^2 /NDF:51531.3/22

+ sign 0.053 $\pm$ 0.000 χ^2 /NDF: 411234.8/56

All: 0.053 $\pm$ 0.000 χ^2 /NDF: 949574.9/115

- sign 0.053 $\pm$ 0.000 χ^2 /NDF: 538328.4/58

yield_atl1_mean vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 103568466871.5/31

+ sign 0.024 $\pm$ 0.000 χ^2 /NDF: 115000564085.5/56

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7880064969.5/24

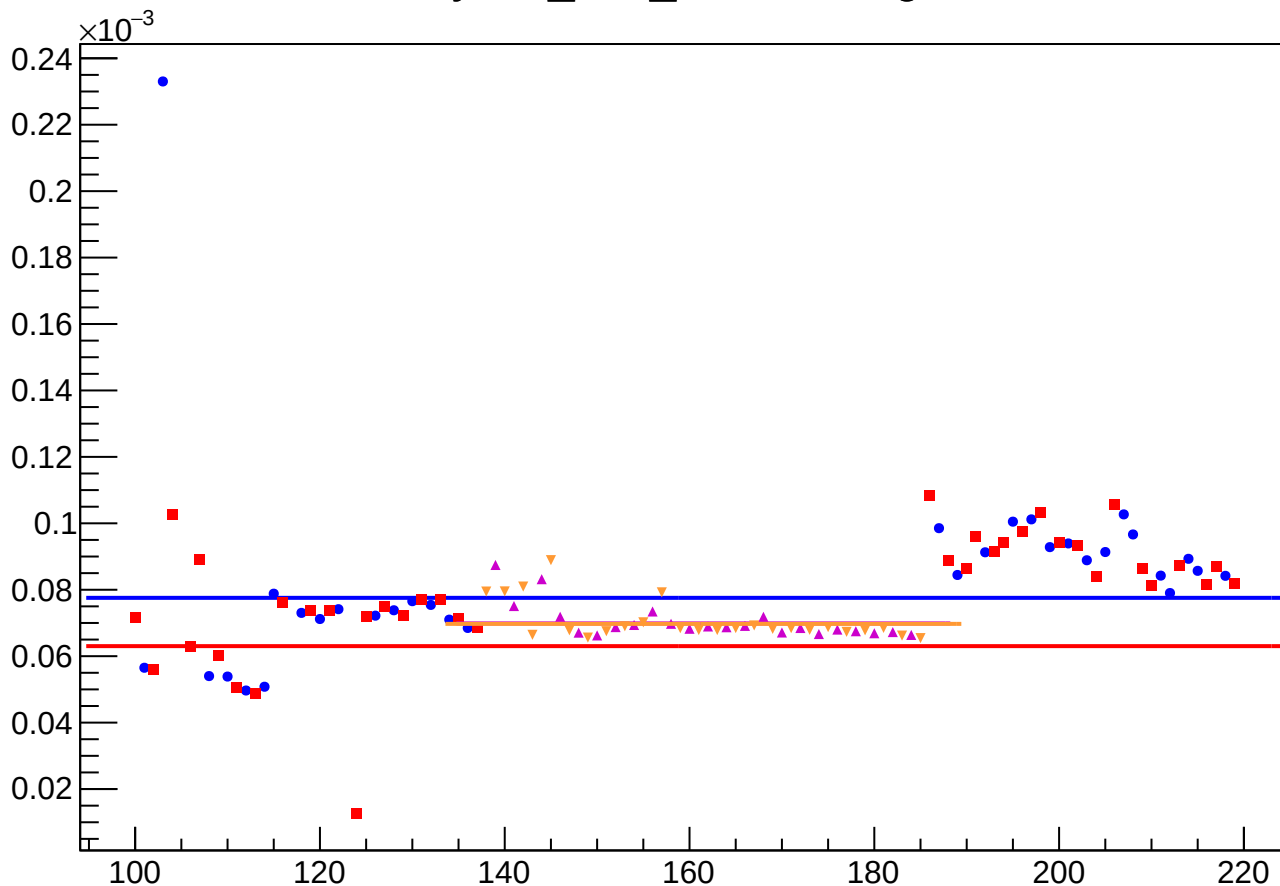
Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 505889219224.1/36

All: 0.023 $\pm$ 0.000 χ^2 /NDF: 768205212107.0

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 617745735922.1/59

Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 1884783780.3/22

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1959998.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:188211.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8073829.4/36

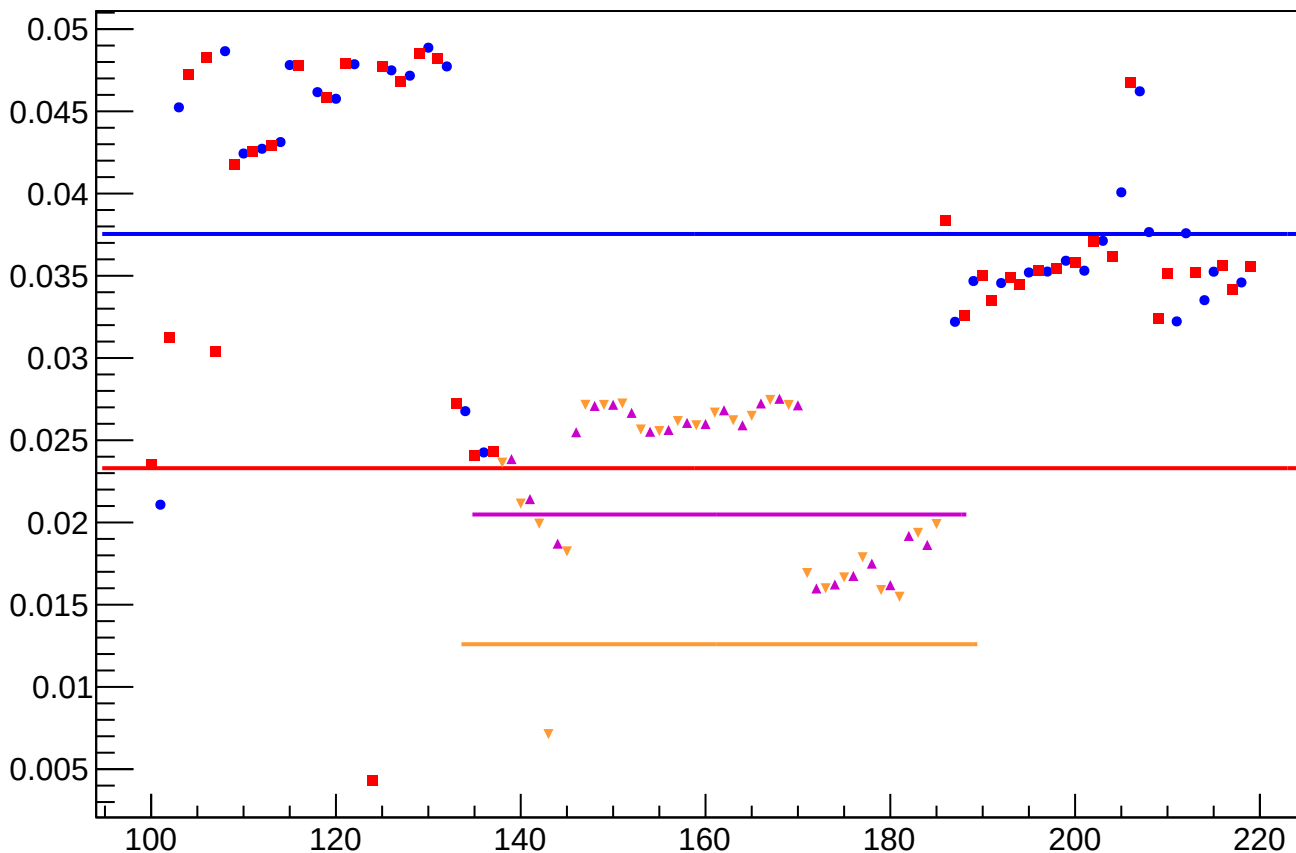
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:152421.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2360491.2/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 11133183.5/116

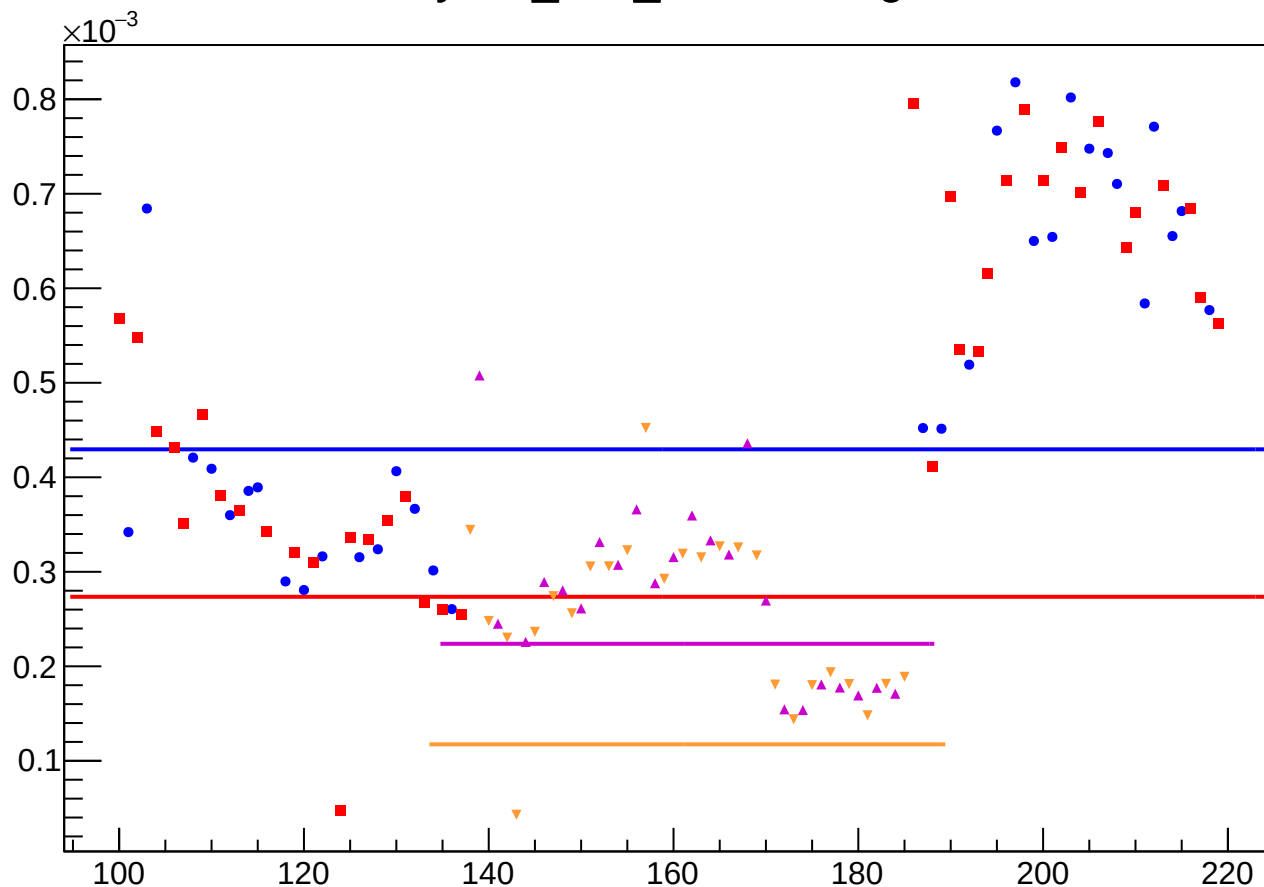
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8410320.9/59

yield_atl2_mean vs Slug



Right In: 0.038 $\pm$ 0.000	χ^2 /NDF: 7474180379.0/31	+ sign 0.015 $\pm$ 0.000	χ^2 /NDF: 93880661752.5/56
Left Out: 0.013 $\pm$ 0.000	χ^2 /NDF: 37338500367.6/24	All: 0.017 $\pm$ 0.000	χ^2 /NDF: 160820795083.9
Right Out: 0.023 $\pm$ 0.000	χ^2 /NDF: 48519699121.8/36	- sign 0.021 $\pm$ 0.000	χ^2 /NDF: 55433255902.1/59
Left In: 0.020 $\pm$ 0.000	χ^2 /NDF: 6099907424.9/22		

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5093411.6/31

Left Out: 0.000+/-0.000 χ^2/NDF :14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16738891.2/36

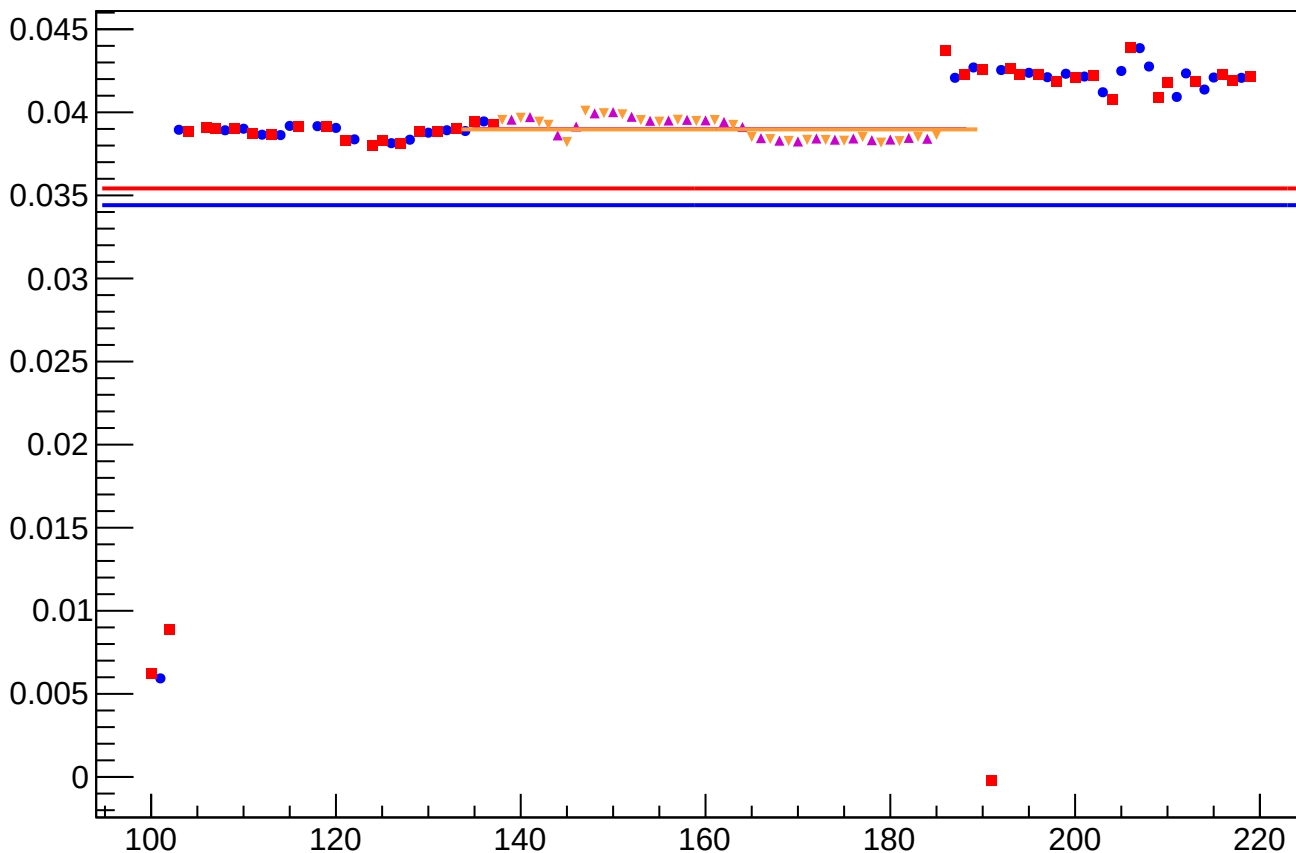
Left In: 0.000+/-0.000 χ^2/NDF :3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 34851554.7/56

All: 0.000+/-0.000 χ^2/NDF : 60351028.6/116

- sign 0.000+/-0.000 χ^2/NDF : 20634336.3/59

yield_atr1_mean vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 136237692086.5/31

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 477670162.8/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 124871488387.1/36

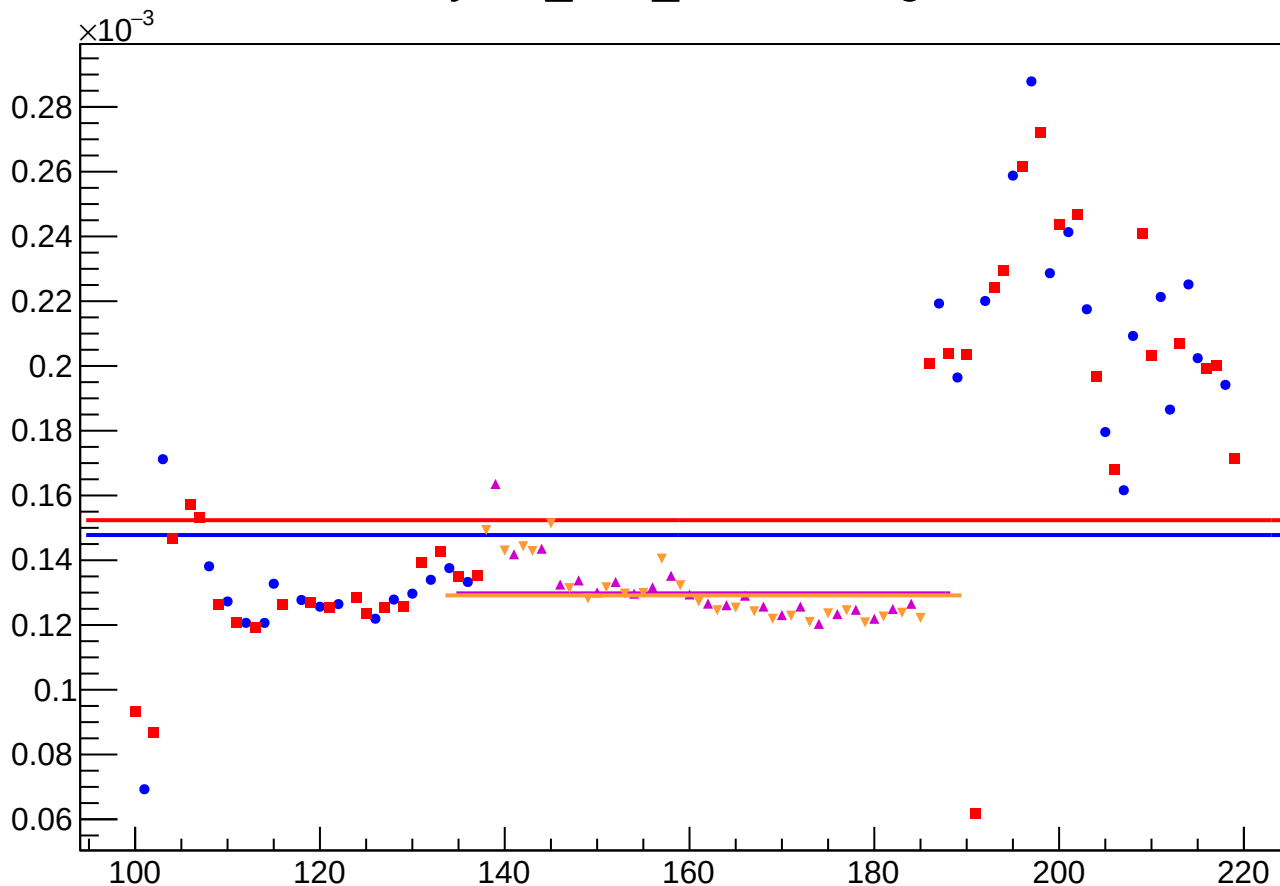
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 408808029.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 146407585991.3/56

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 277639284661.1

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 131104602945.3/59

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4463532.2/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:157557.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4139734.6/36

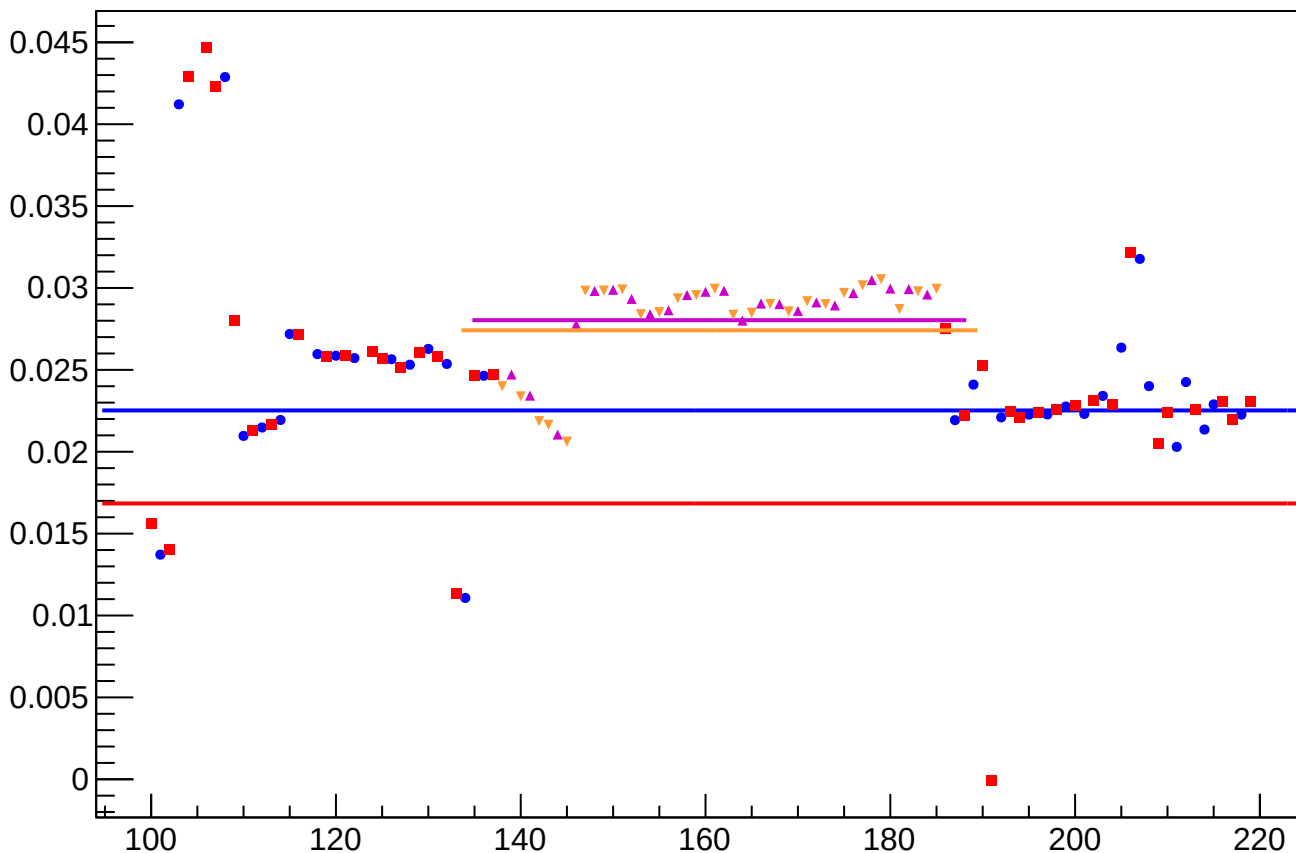
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:141831.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4944712.1/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 9704328.7/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4746385.8/59

yield_atr2_mean vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 5211205536.7/31

Left Out: 0.027 $\pm$ 0.000 χ^2 /NDF:2240091851.9/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 26075089380.5/36

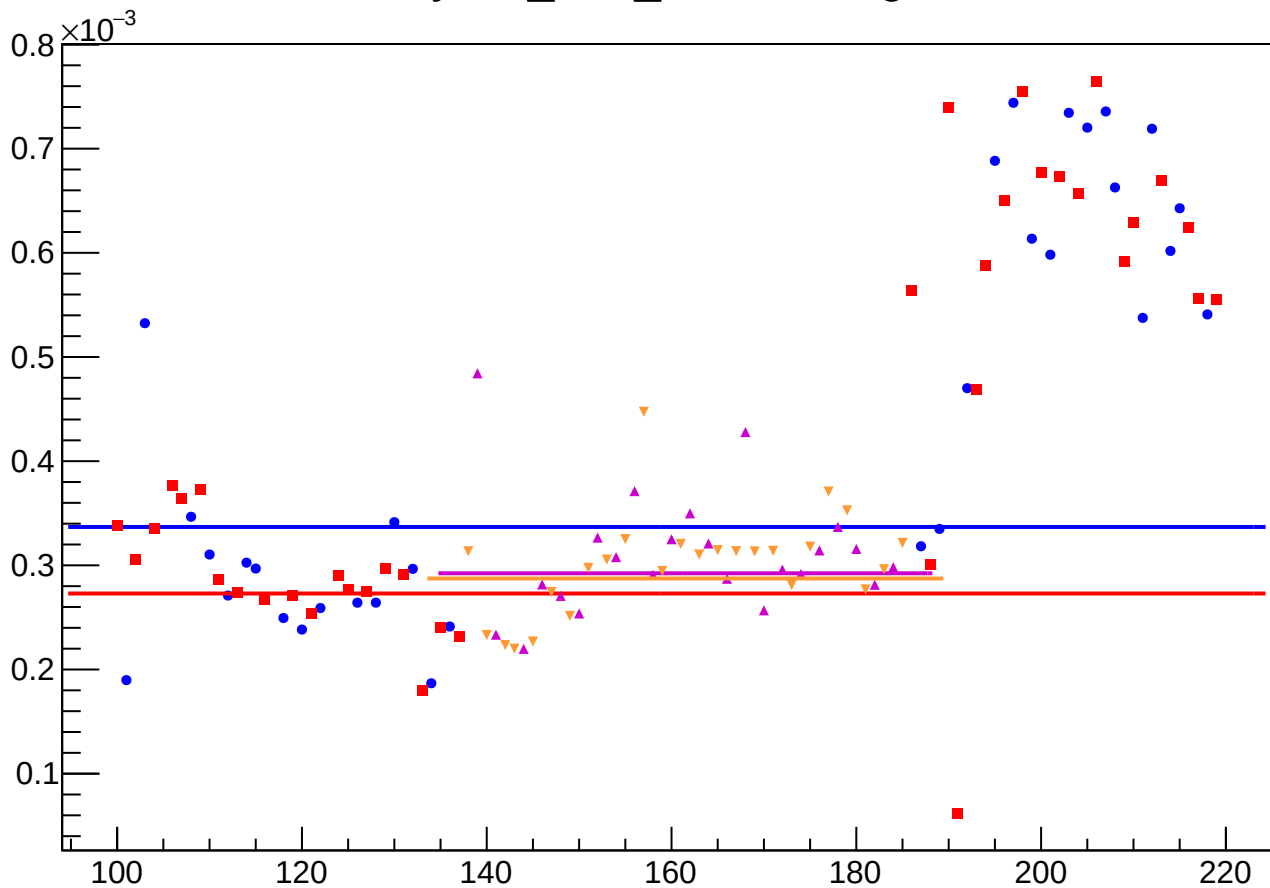
Left In: 0.028 $\pm$ 0.000 χ^2 /NDF:1490587051.3/22

+ sign 0.026 $\pm$ 0.000 χ^2 /NDF: 9394748562.5/56

All: 0.024 $\pm$ 0.000 χ^2 /NDF: 50125210098.7/100

- sign 0.023 $\pm$ 0.000 χ^2 /NDF: 39248893036.4/59

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7232739.8/31

Left Out: 0.000+/-0.000 χ^2/NDF : 821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12808961.3/36

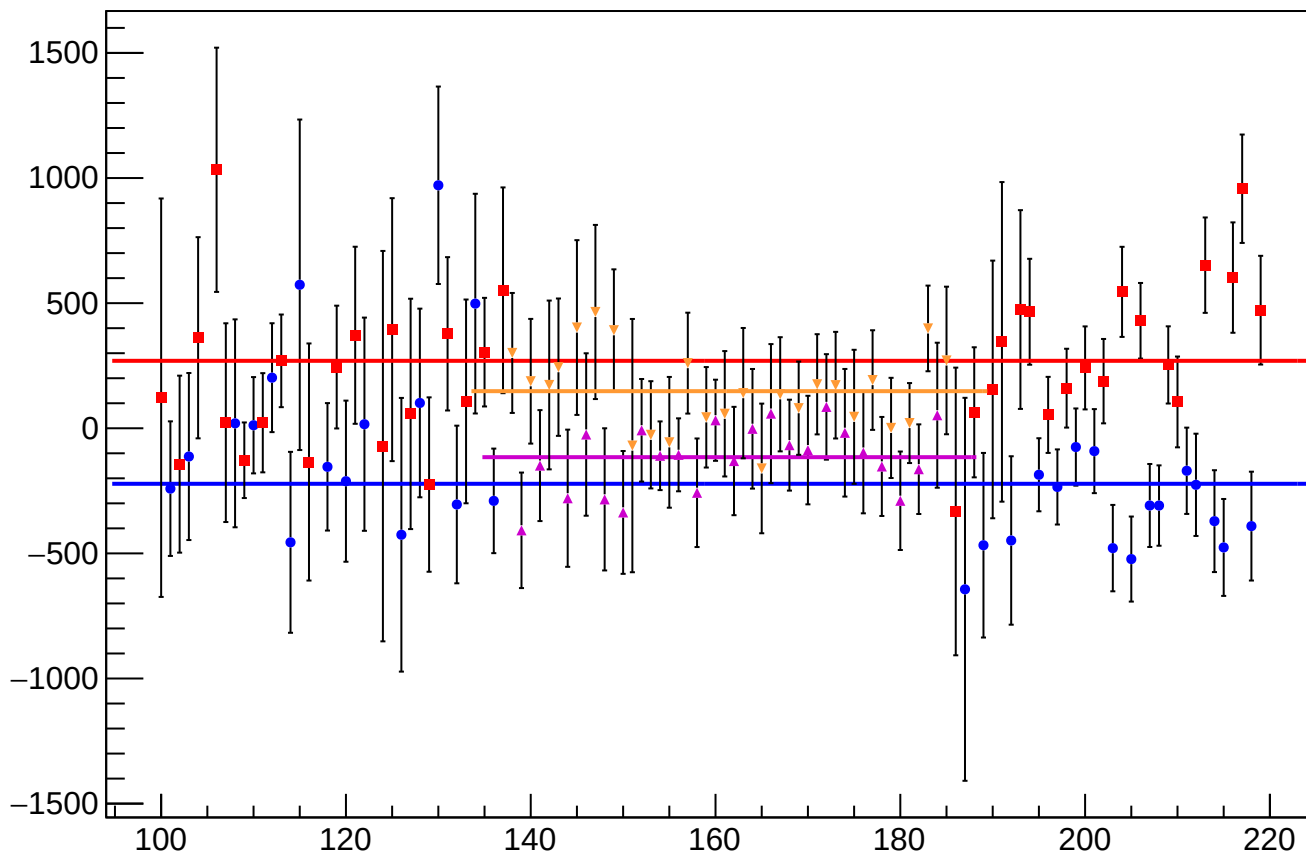
Left In: 0.000+/-0.000 χ^2/NDF : 970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 8451346.8/56

All: 0.000+/-0.000 χ^2/NDF : 22502153.9/116

- sign 0.000+/-0.000 χ^2/NDF : 13849692.8/59

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -221.854 ± 39.786 χ^2/NDF : 32.5/31

Left Out: 148.273 ± 46.219 χ^2/NDF : 10.4/24

Right Out: 269.581 ± 38.886 χ^2/NDF : 44.1/36

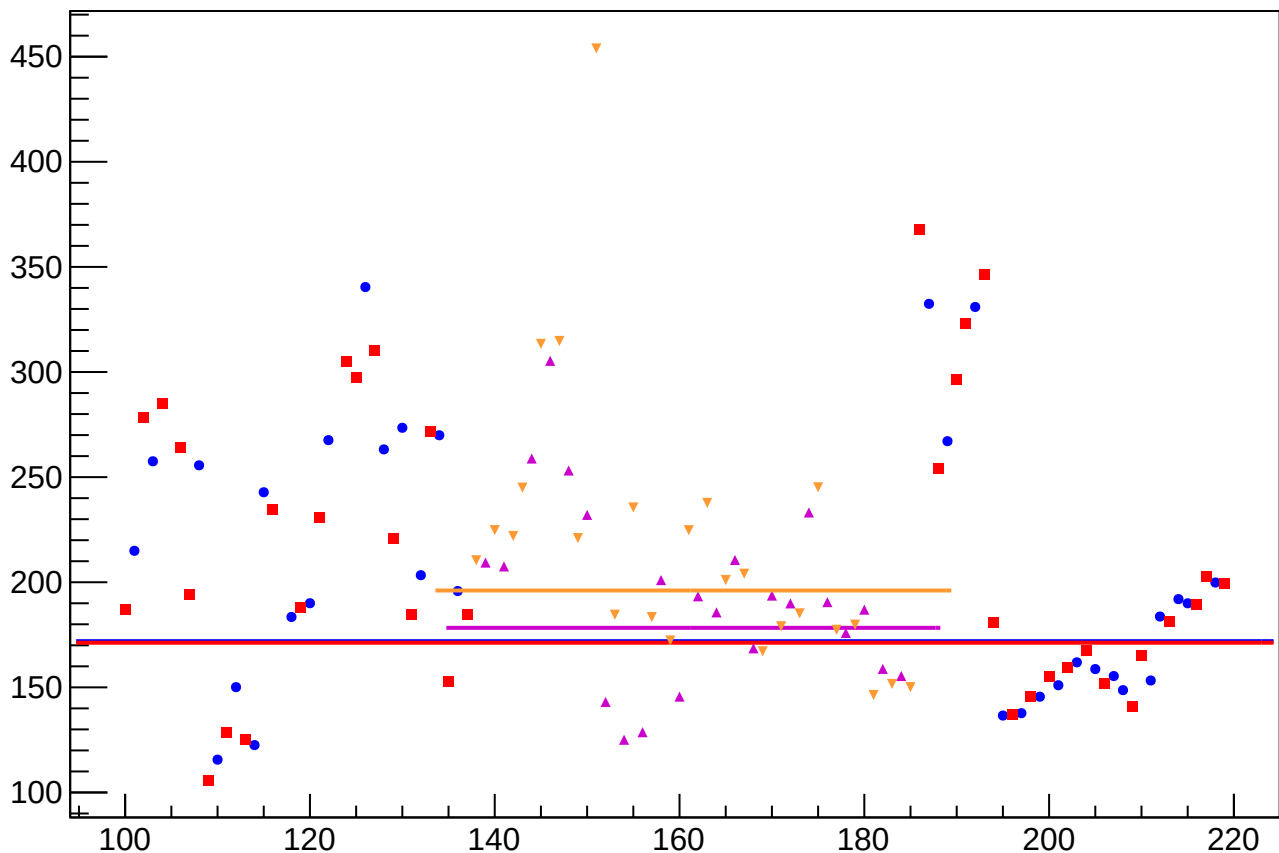
Left In: -115.487 ± 43.568 χ^2/NDF : 7.8/22

+ sign -64.323 ± 30.153 χ^2/NDF : 79.7/56

All: 20.409 ± 20.906 χ^2/NDF : 190.2/116

- sign 98.844 ± 29.011 χ^2/NDF : 95.3/59

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.968 $\pm$ 0.028 χ^2 /NDF: 2371091.2/31

Left Out: 196.087 $\pm$ 0.033 χ^2 /NDF:1818492.9/24

Right Out: 171.243 $\pm$ 0.027 χ^2 /NDF: 3110952.2/36

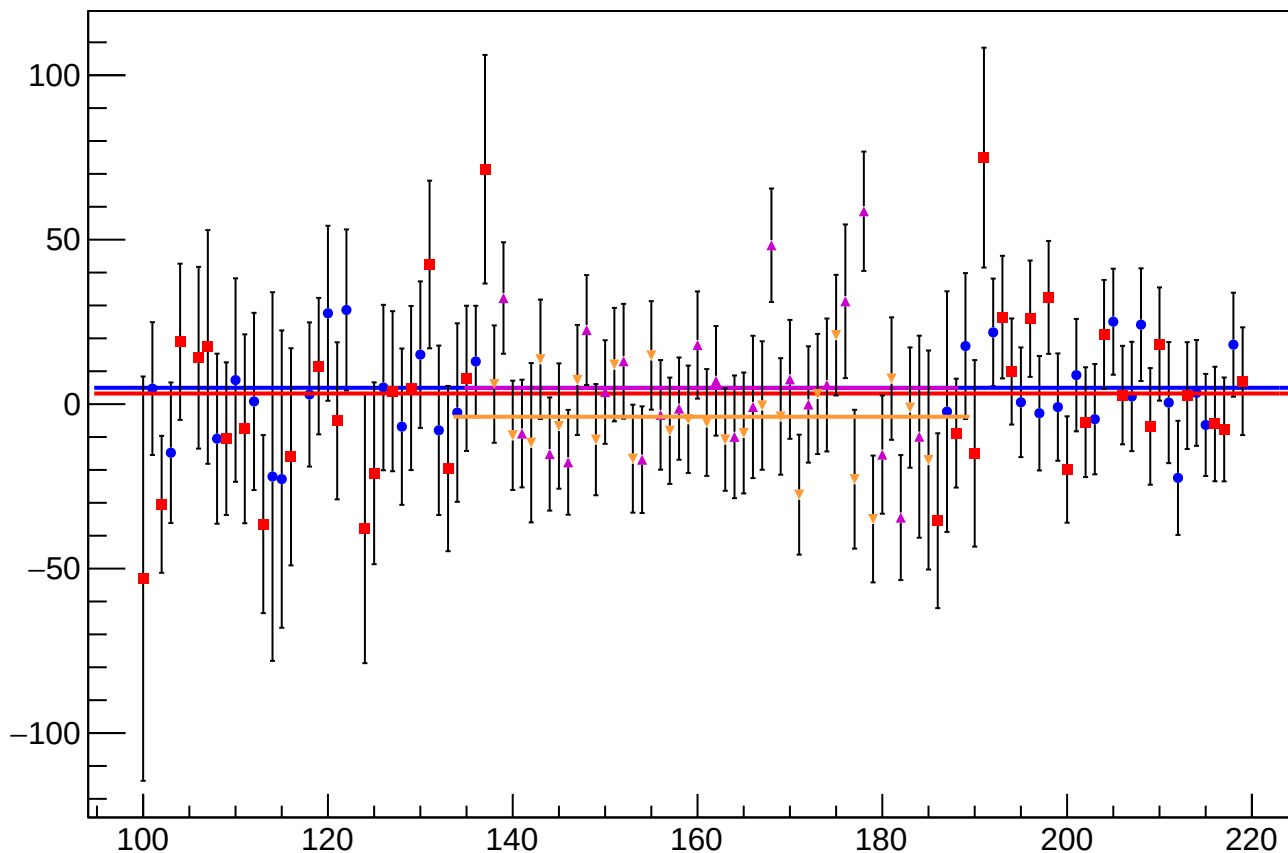
Left In: 178.318 $\pm$ 0.031 χ^2 /NDF:1678336.4/22

+ sign 182.233 $\pm$ 0.021 χ^2 /NDF: 4502407.7/56

All: 178.155 $\pm$ 0.015 χ^2 /NDF: 9391502.5/116

- sign 174.380 $\pm$ 0.021 χ^2 /NDF: 4818644.7/59

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.971 ± 3.545 $\chi^2/\text{NDF}: 13.3/31$

Left Out: -3.834 ± 3.603 $\chi^2/\text{NDF}: 12.9/24$

Right Out: 3.236 ± 3.440 $\chi^2/\text{NDF}: 35.6/36$

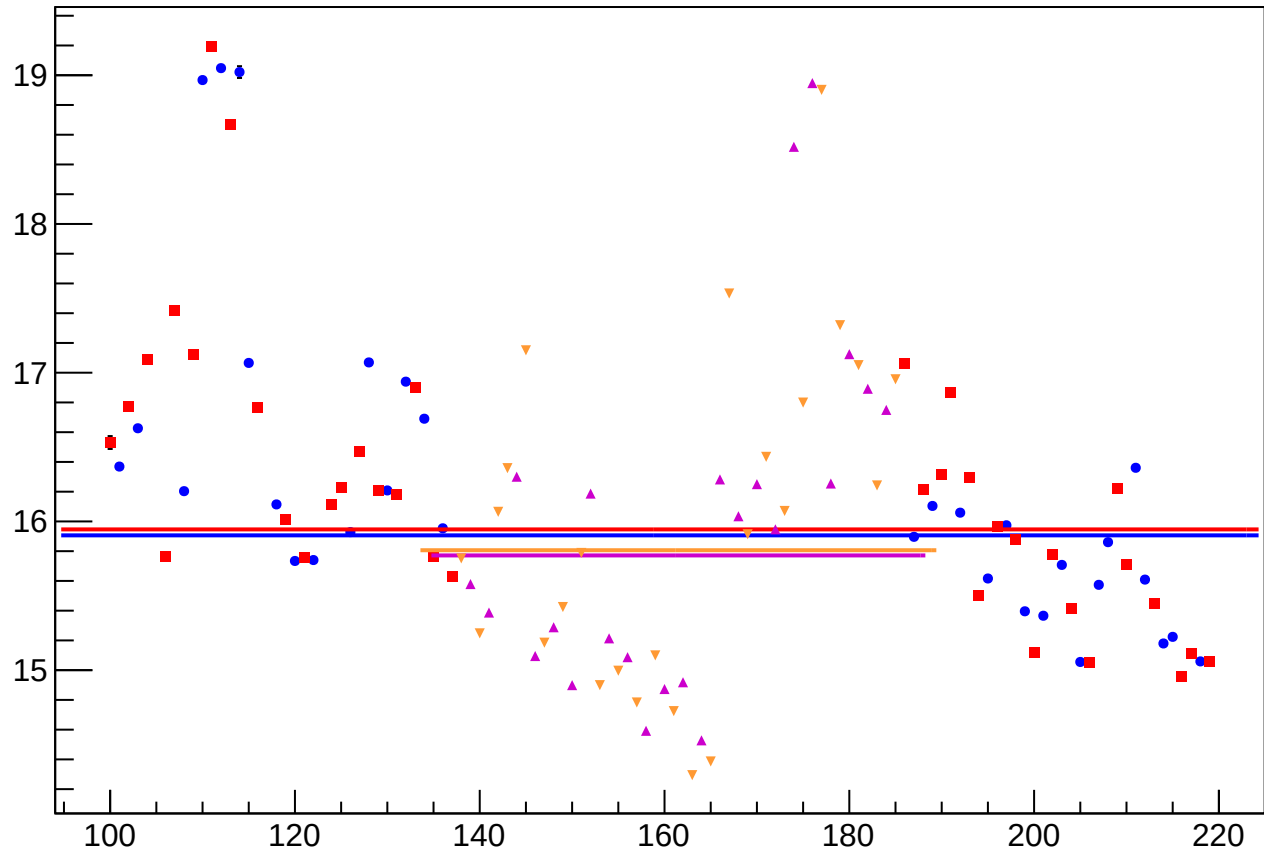
Left In: 4.903 ± 3.695 $\chi^2/\text{NDF}: 33.9/22$

+ sign 0.639 ± 2.527 $\chi^2/\text{NDF}: 29.2/56$

All: 2.331 ± 1.784 $\chi^2/\text{NDF}: 99.8/116$

- sign 4.010 ± 2.518 $\chi^2/\text{NDF}: 69.6/59$

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.906 $\pm$ 0.003 χ^2 /NDF: 95417.3/31

Left Out: 15.806 $\pm$ 0.003 χ^2 /NDF:172651.3/24

Right Out: 15.946 $\pm$ 0.002 χ^2 /NDF: 111920.4/36

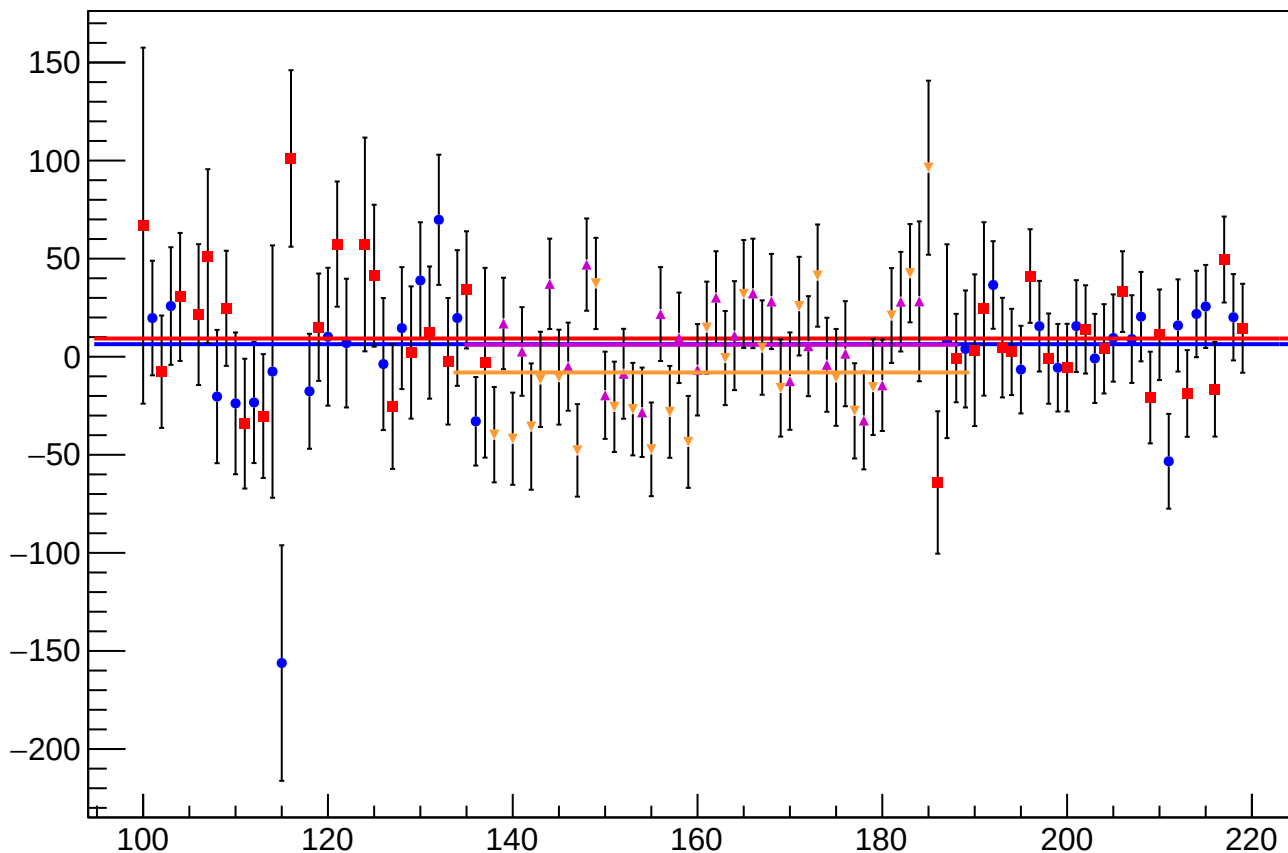
Left In: 15.771 $\pm$ 0.003 χ^2 /NDF:152136.7/22

+ sign 15.857 $\pm$ 0.002 χ^2 /NDF: 268852.2/56

All: 15.861 $\pm$ 0.001 χ^2 /NDF: 535320.7/116

- sign 15.865 $\pm$ 0.002 χ^2 /NDF: 266458.5/59

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.395 ± 4.758 χ^2/NDF : 30.4/31

Left Out: -8.016 ± 4.956 χ^2/NDF : 38.9/24

Right Out: 9.285 ± 4.625 χ^2/NDF : 32.2/36

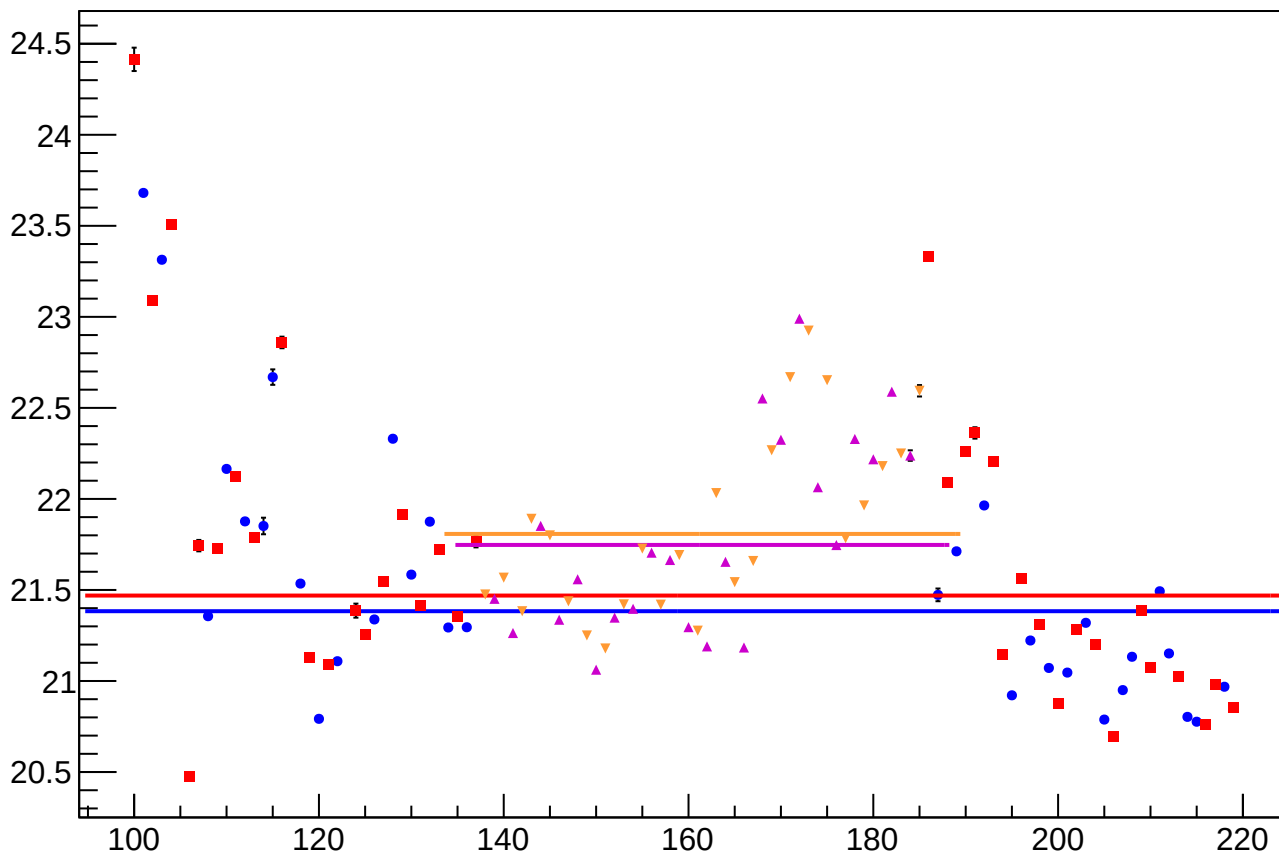
Left In: 6.086 ± 5.080 χ^2/NDF : 17.9/22

+ sign -0.518 ± 3.432 χ^2/NDF : 73.6/56

All: 3.674 ± 2.423 χ^2/NDF : 126.9/116

- sign 7.835 ± 3.420 χ^2/NDF : 50.3/59

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.383 $\pm$ 0.003 χ^2 /NDF: 36120.1/31

Left Out: 21.808 $\pm$ 0.004 χ^2 /NDF:17561.0/24

Right Out: 21.469 $\pm$ 0.003 χ^2 /NDF: 43181.9/36

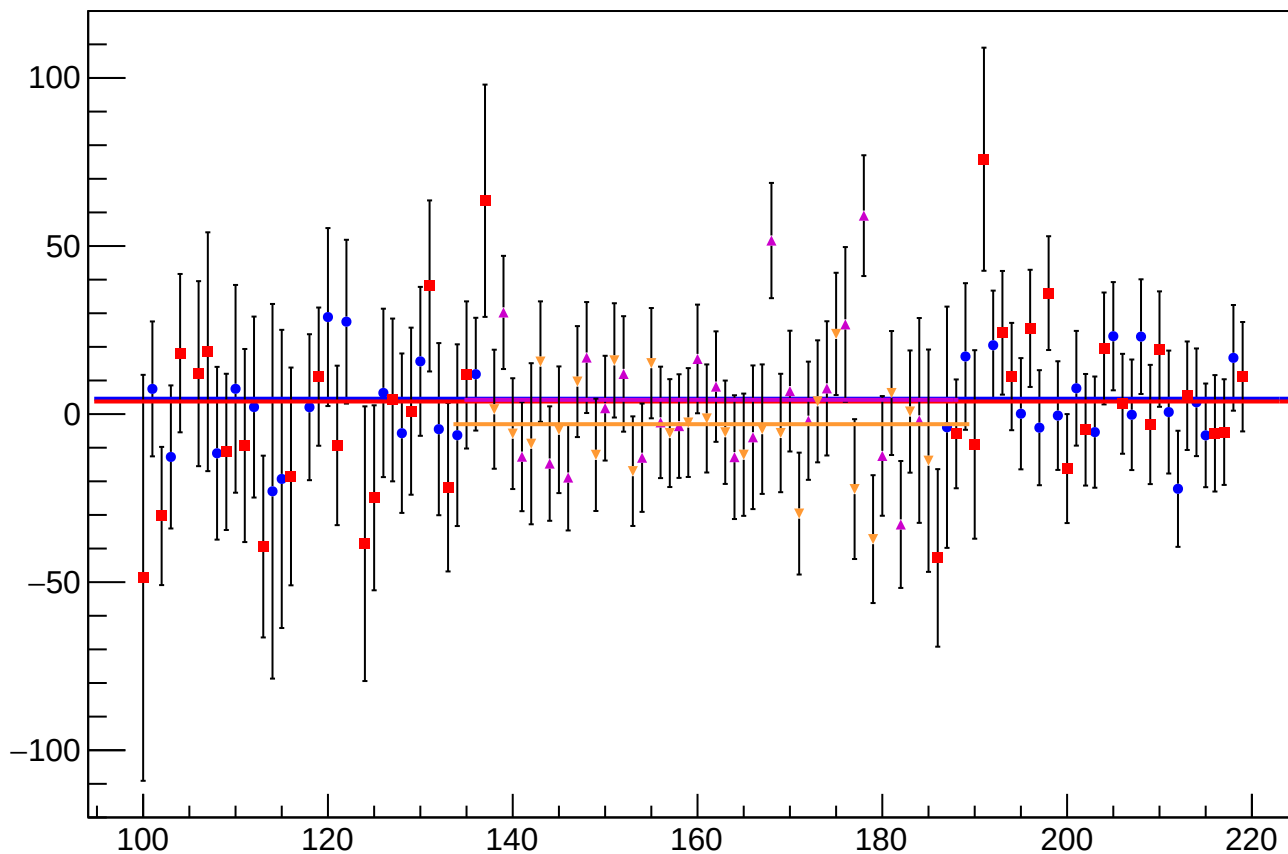
Left In: 21.747 $\pm$ 0.004 χ^2 /NDF:20560.9/22

+ sign 21.587 $\pm$ 0.002 χ^2 /NDF: 61311.5/56

All: 21.591 $\pm$ 0.002 χ^2 /NDF: 128336.6/116

- sign 21.595 $\pm$ 0.002 χ^2 /NDF: 67019.2/59

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.577 ± 3.520 χ^2/NDF : 12.6/31

Left Out: -3.002 ± 3.569 χ^2/NDF : 14.6/24

Right Out: 3.746 ± 3.418 χ^2/NDF : 35.9/36

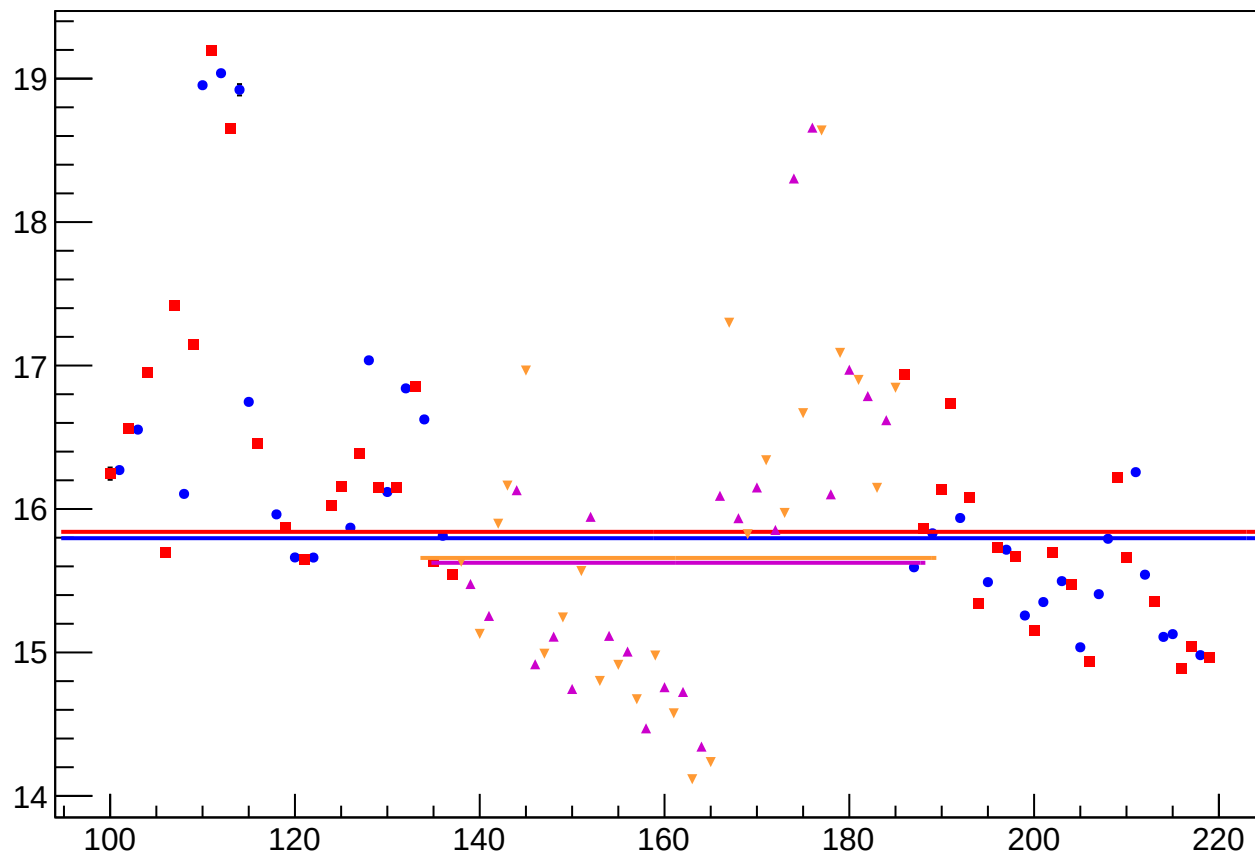
Left In: 4.249 ± 3.661 χ^2/NDF : 33.8/22

+ sign 0.839 ± 2.506 χ^2/NDF : 29.5/56

All: 2.415 ± 1.769 χ^2/NDF : 100.0/116

- sign 3.980 ± 2.498 χ^2/NDF : 69.7/59

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.796 $\pm$ 0.002 χ^2 /NDF: 97673.8/31

Left Out: 15.659 $\pm$ 0.003 χ^2 /NDF: 169838.6/24

Right Out: 15.841 $\pm$ 0.002 χ^2 /NDF: 112426.5/36

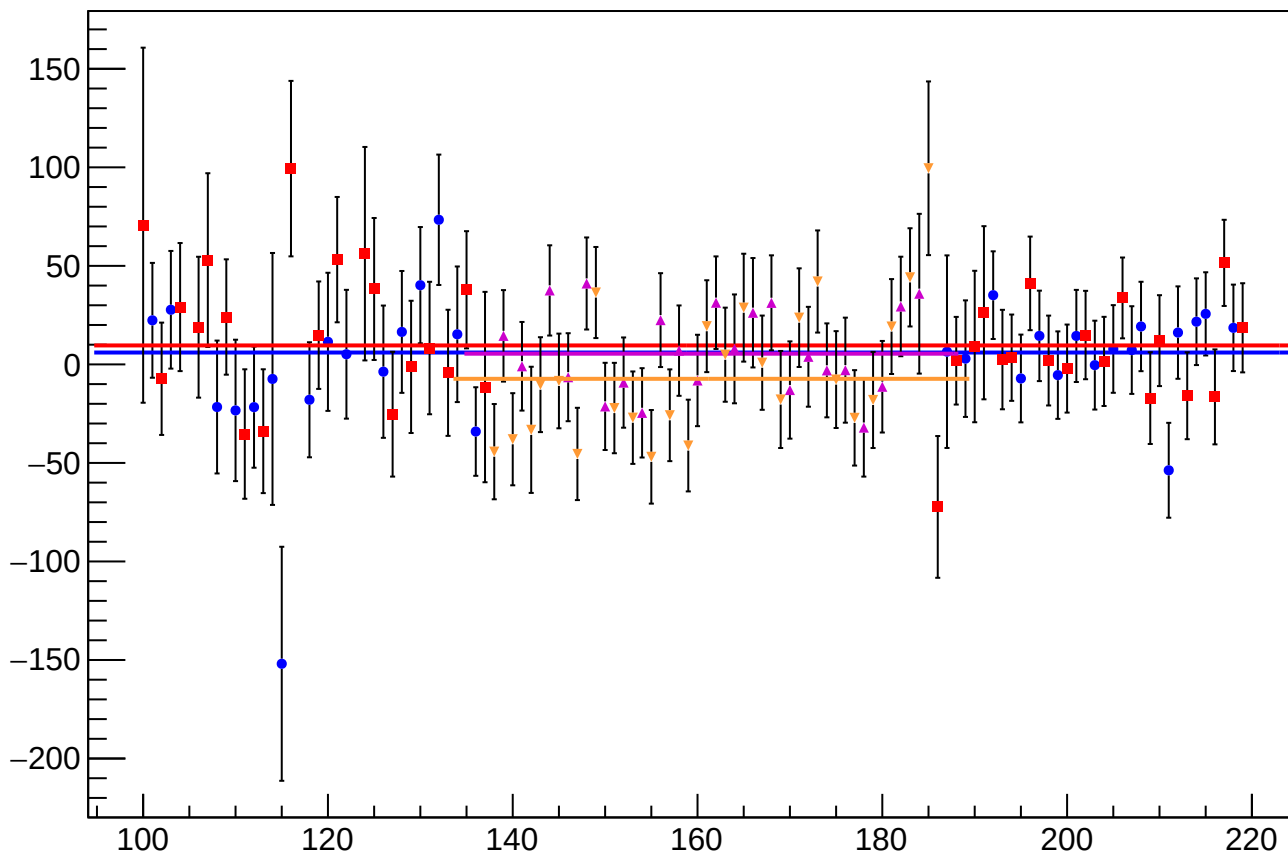
Left In: 15.625 $\pm$ 0.003 χ^2 /NDF: 150431.7/22

+ sign 15.729 $\pm$ 0.002 χ^2 /NDF: 269016.5/56

All: 15.734 $\pm$ 0.001 χ^2 /NDF: 535609.3/116

- sign 15.740 $\pm$ 0.002 χ^2 /NDF: 266570.9/59

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.025 ± 4.739 χ^2/NDF : 30.8/31

Left Out: -7.318 ± 4.929 χ^2/NDF : 38.6/24

Right Out: 9.622 ± 4.604 χ^2/NDF : 33.2/36

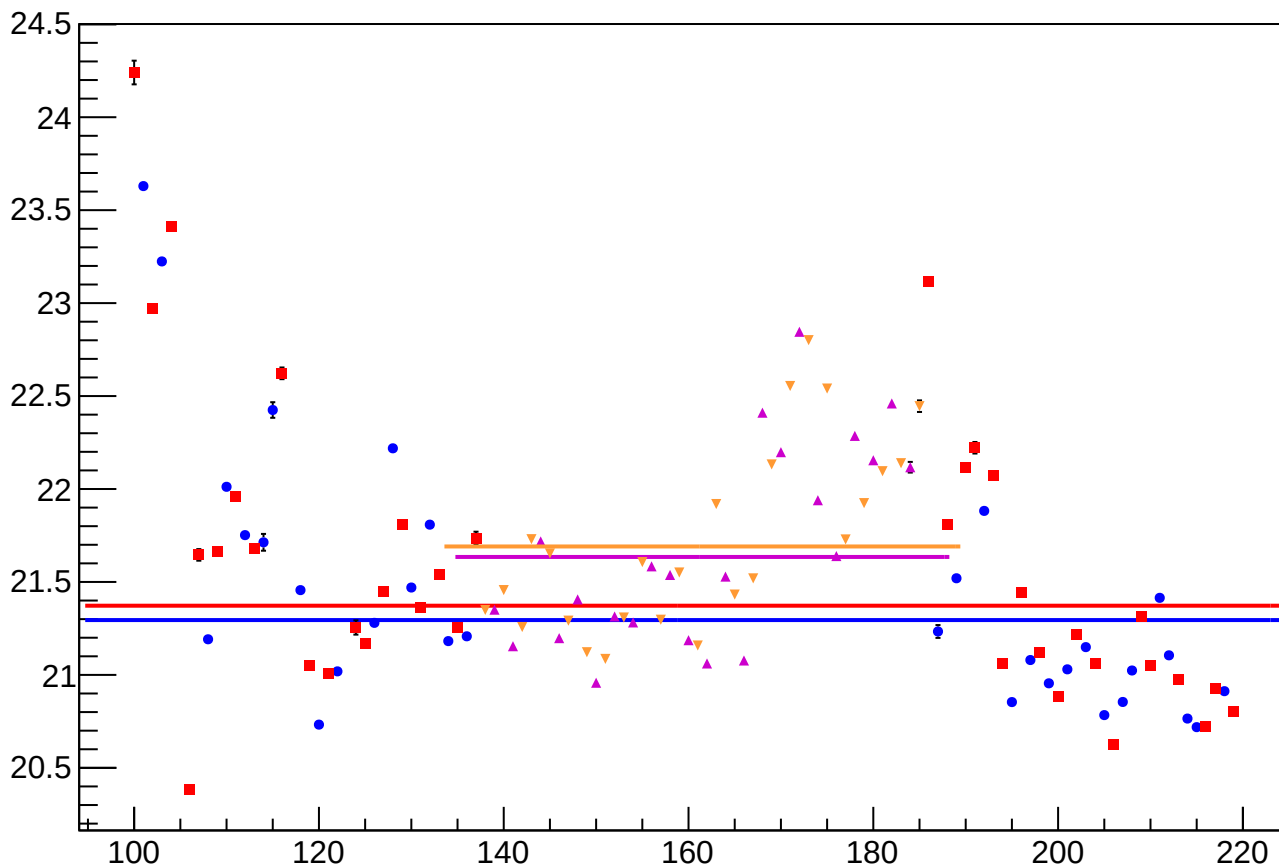
Left In: 5.435 ± 5.054 χ^2/NDF : 17.3/22

+ sign -0.384 ± 3.416 χ^2/NDF : 73.3/56

All: 3.685 ± 2.411 χ^2/NDF : 126.9/116

- sign 7.723 ± 3.403 χ^2/NDF : 50.8/59

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.295 $\pm$ 0.003 χ^2 /NDF: 35212.9/31

Left Out: 21.691 $\pm$ 0.003 χ^2 /NDF: 17934.9/24

Right Out: 21.372 $\pm$ 0.003 χ^2 /NDF: 39405.8/36

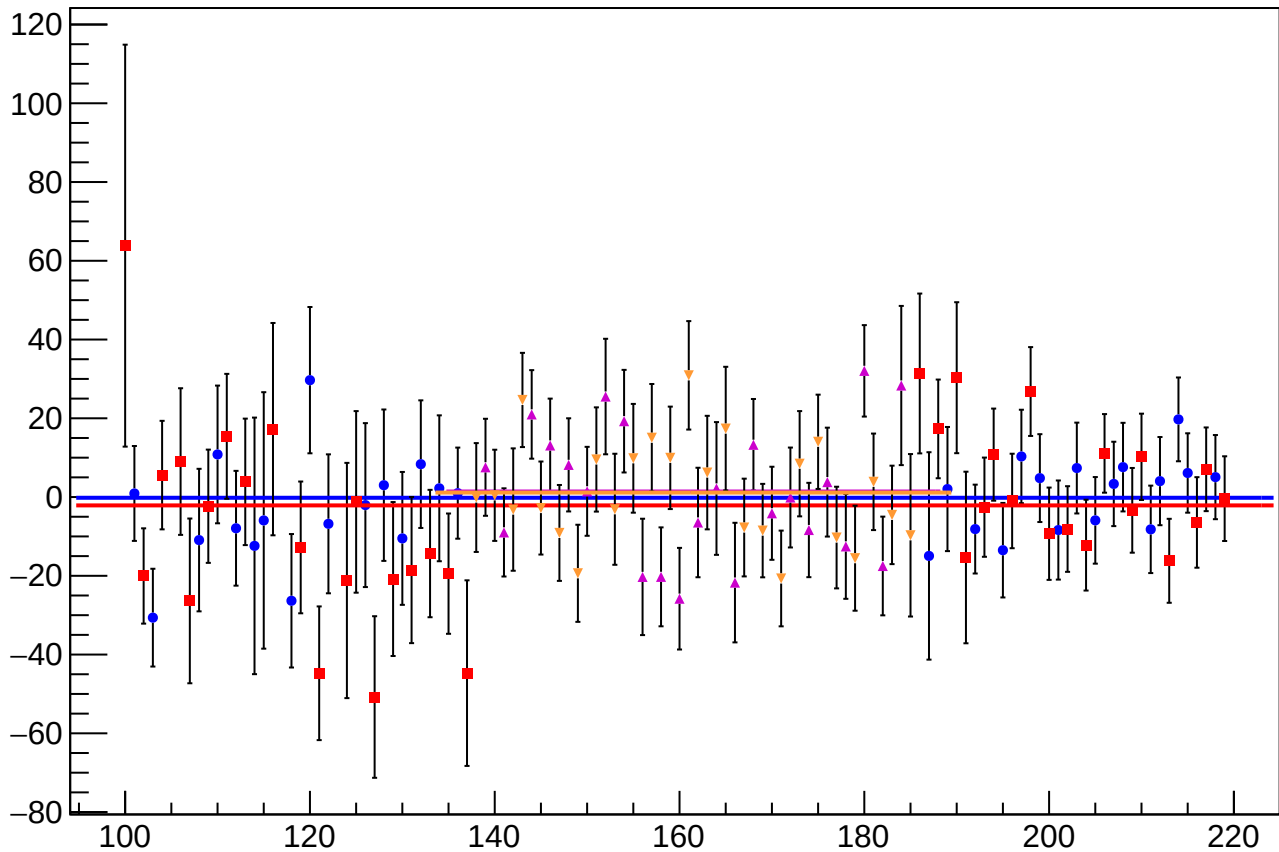
Left In: 21.635 $\pm$ 0.004 χ^2 /NDF: 20561.5/22

+ sign 21.485 $\pm$ 0.002 χ^2 /NDF: 59852.9/56

All: 21.488 $\pm$ 0.002 χ^2 /NDF: 122767.2/116

- sign 21.491 $\pm$ 0.002 χ^2 /NDF: 62911.2/59

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.182 ± 2.382 χ^2/NDF : 22.6/31

Left Out: 1.138 ± 2.620 χ^2/NDF : 24.5/24

Right Out: -2.121 ± 2.320 χ^2/NDF : 50.6/36

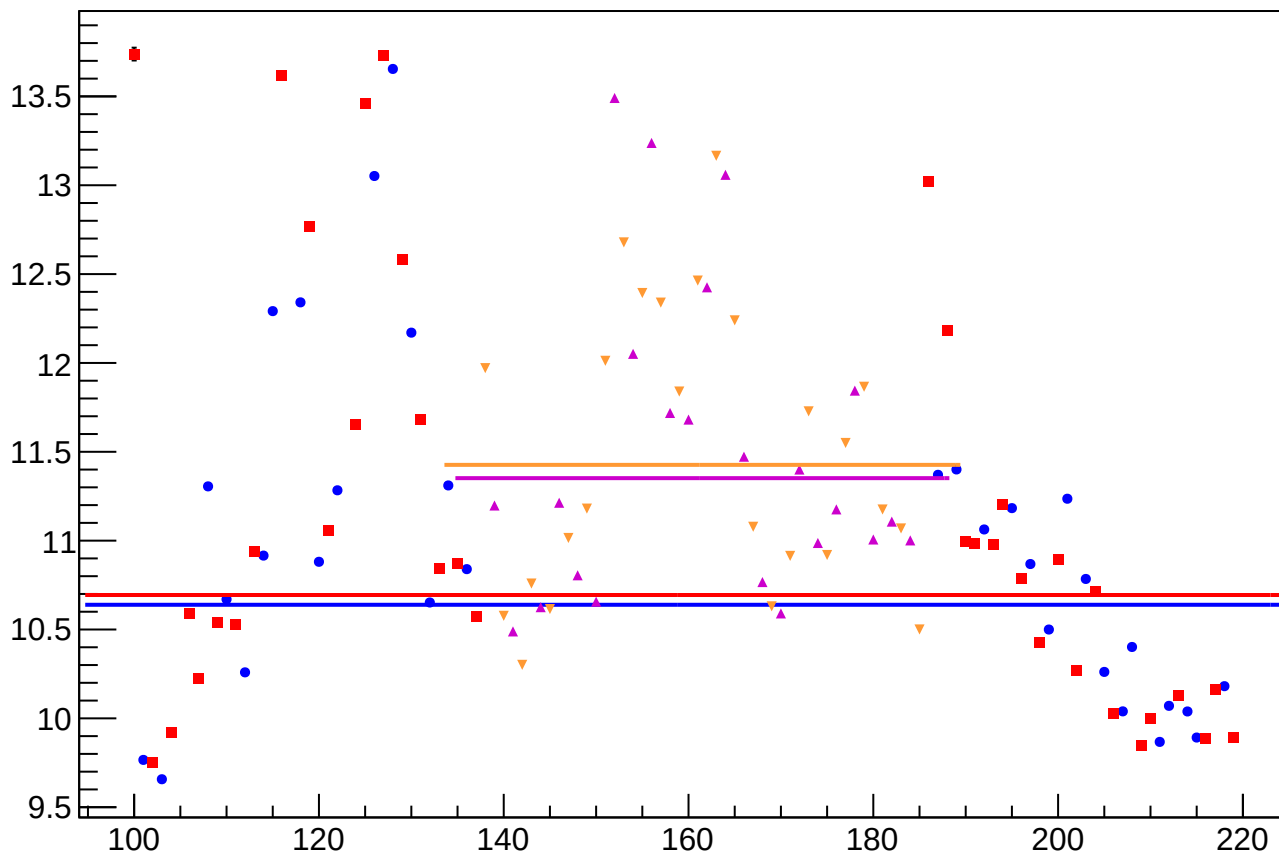
Left In: 1.407 ± 2.674 χ^2/NDF : 36.3/22

+ sign 0.415 ± 1.762 χ^2/NDF : 47.3/56

All: -0.098 ± 1.243 χ^2/NDF : 135.4/116

- sign -0.605 ± 1.753 χ^2/NDF : 87.9/59

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.639 $\pm$ 0.002 χ^2 /NDF: 215720.5/31

Left Out: 11.426 $\pm$ 0.002 χ^2 /NDF:156973.4/24

Right Out: 10.694 $\pm$ 0.002 χ^2 /NDF: 308500.1/36

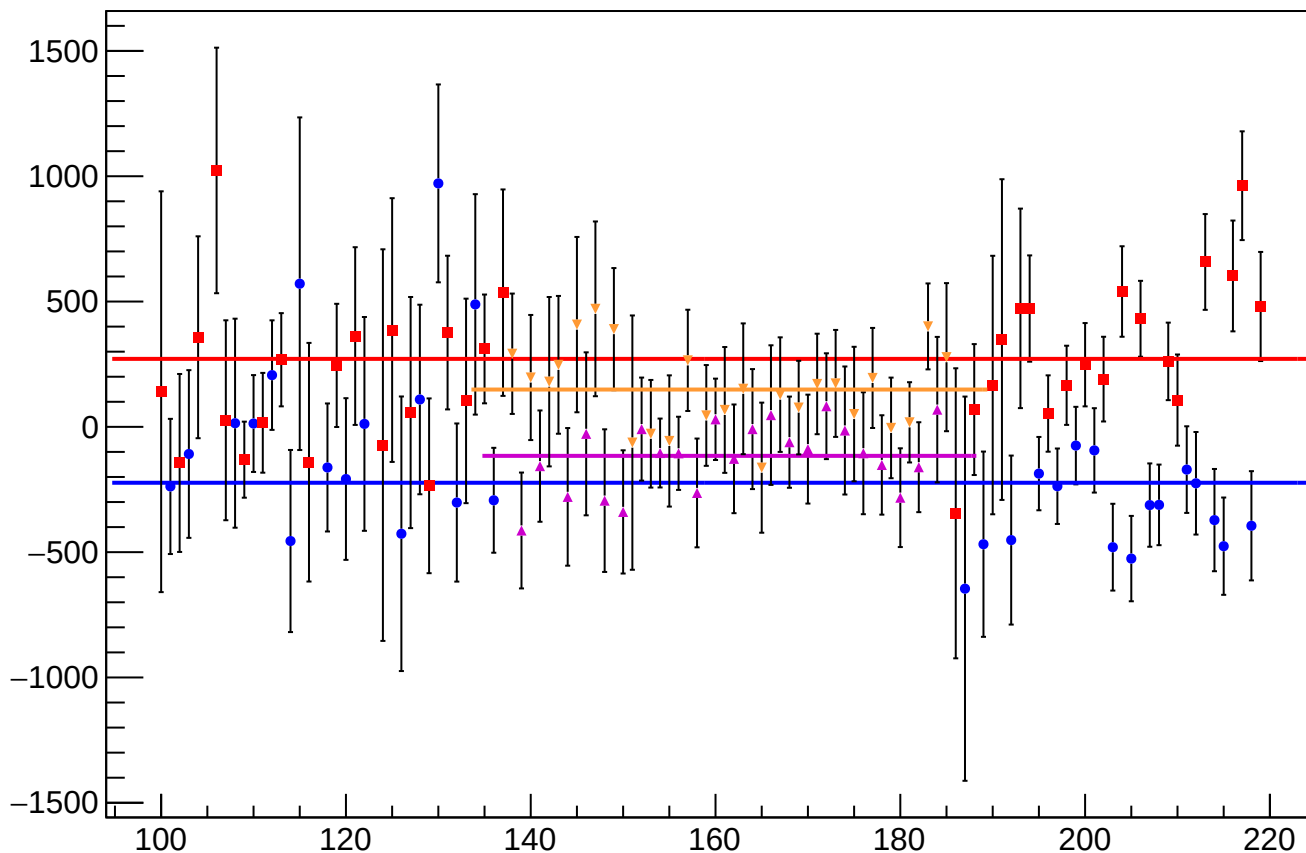
Left In: 11.352 $\pm$ 0.002 χ^2 /NDF:170563.6/22

+ sign 10.995 $\pm$ 0.001 χ^2 /NDF: 471579.4/56

All: 10.986 $\pm$ 0.001 χ^2 /NDF: 1019753.1/116

- sign 10.977 $\pm$ 0.001 χ^2 /NDF: 548059.0/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -223.061 ± 39.885 χ^2/NDF : 32.5/31

Left Out: 148.905 ± 46.306 χ^2/NDF : 10.5/24

Right Out: 271.248 ± 38.988 χ^2/NDF : 44.2/36

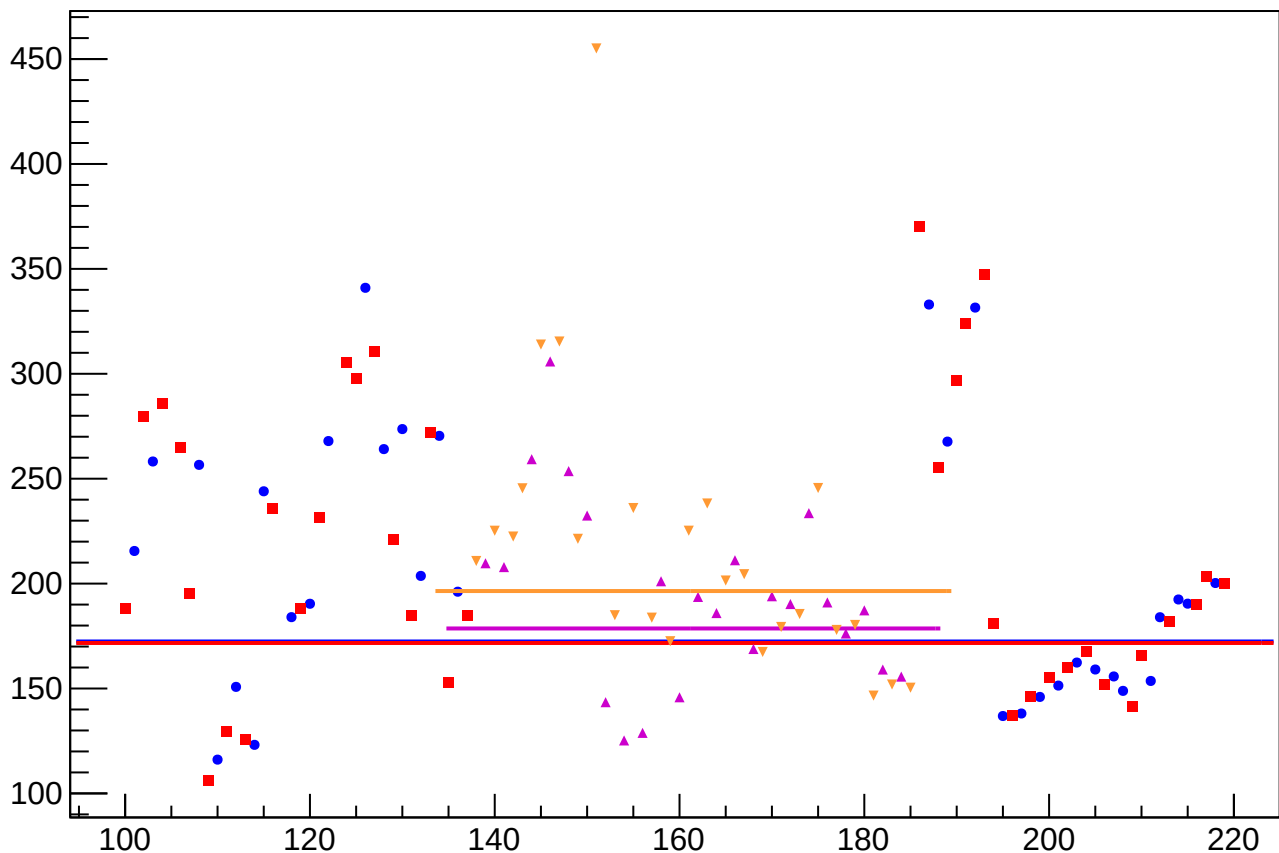
Left In: -115.709 ± 43.641 χ^2/NDF : 7.8/22

+ sign -64.638 ± 30.220 χ^2/NDF : 80.1/56

All: 20.594 ± 20.952 χ^2/NDF : 191.1/116

- sign 99.489 ± 29.075 χ^2/NDF : 95.7/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 172.407 $\pm$ 0.028 χ^2 /NDF: 2366105.2/31

Left Out: 196.454 $\pm$ 0.033 χ^2 /NDF:1818746.1/24

Right Out: 171.702 $\pm$ 0.028 χ^2 /NDF: 3107446.0/36

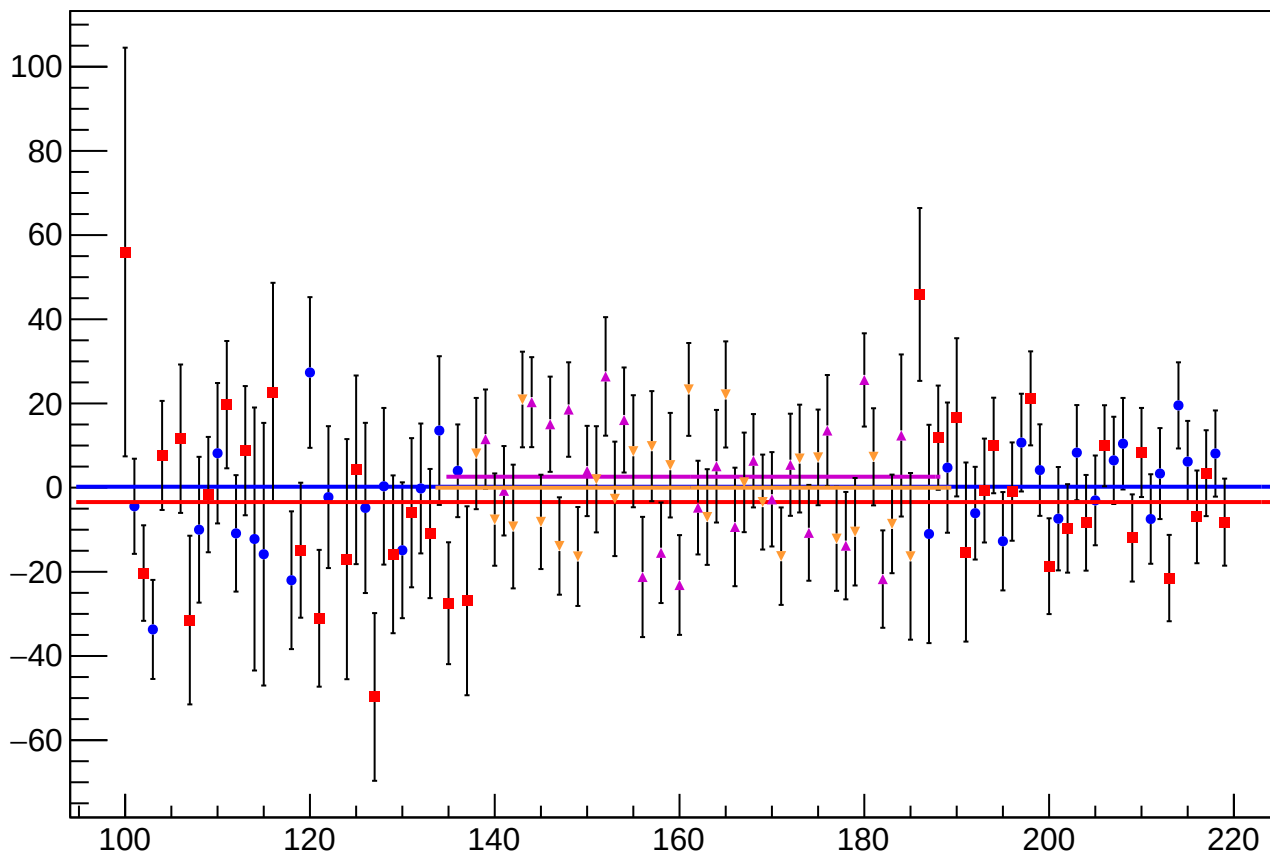
Left In: 178.614 $\pm$ 0.031 χ^2 /NDF:1678859.8/22

+ sign 182.649 $\pm$ 0.021 χ^2 /NDF: 4494503.1/56

All: 178.557 $\pm$ 0.015 χ^2 /NDF: 9379297.7/116

- sign 174.770 $\pm$ 0.021 χ^2 /NDF: 4814203.6/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: 0.214 $\pm$ 2.296 χ^2/NDF : 26.1/31

Left Out: -0.018 $\pm$ 2.445 χ^2/NDF :23.7/24

Right Out: -3.428 $\pm$ 2.238 χ^2/NDF : 50.0/36

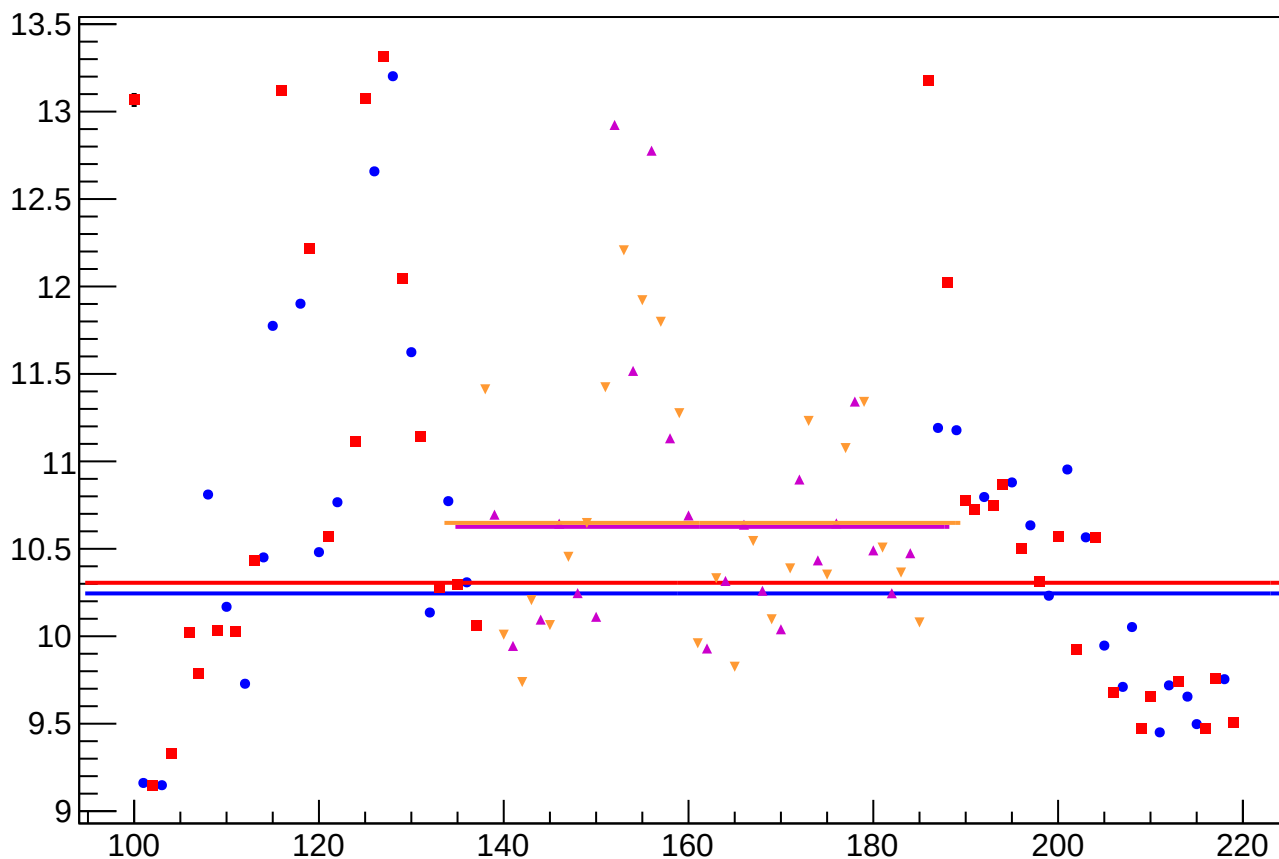
Left In: 2.591 $\pm$ 2.506 χ^2/NDF :34.8/22

+ sign 0.105 $\pm$ 1.674 χ^2/NDF : 49.8/56

All: -0.327 $\pm$ 1.182 χ^2/NDF : 137.9/116

- sign -0.757 $\pm$ 1.669 χ^2/NDF : 87.9/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.245 $\pm$ 0.002 χ^2 /NDF: 241862.1/31

Left Out: 10.648 $\pm$ 0.002 χ^2 /NDF:143535.9/24

Right Out: 10.306 $\pm$ 0.002 χ^2 /NDF: 351007.5/36

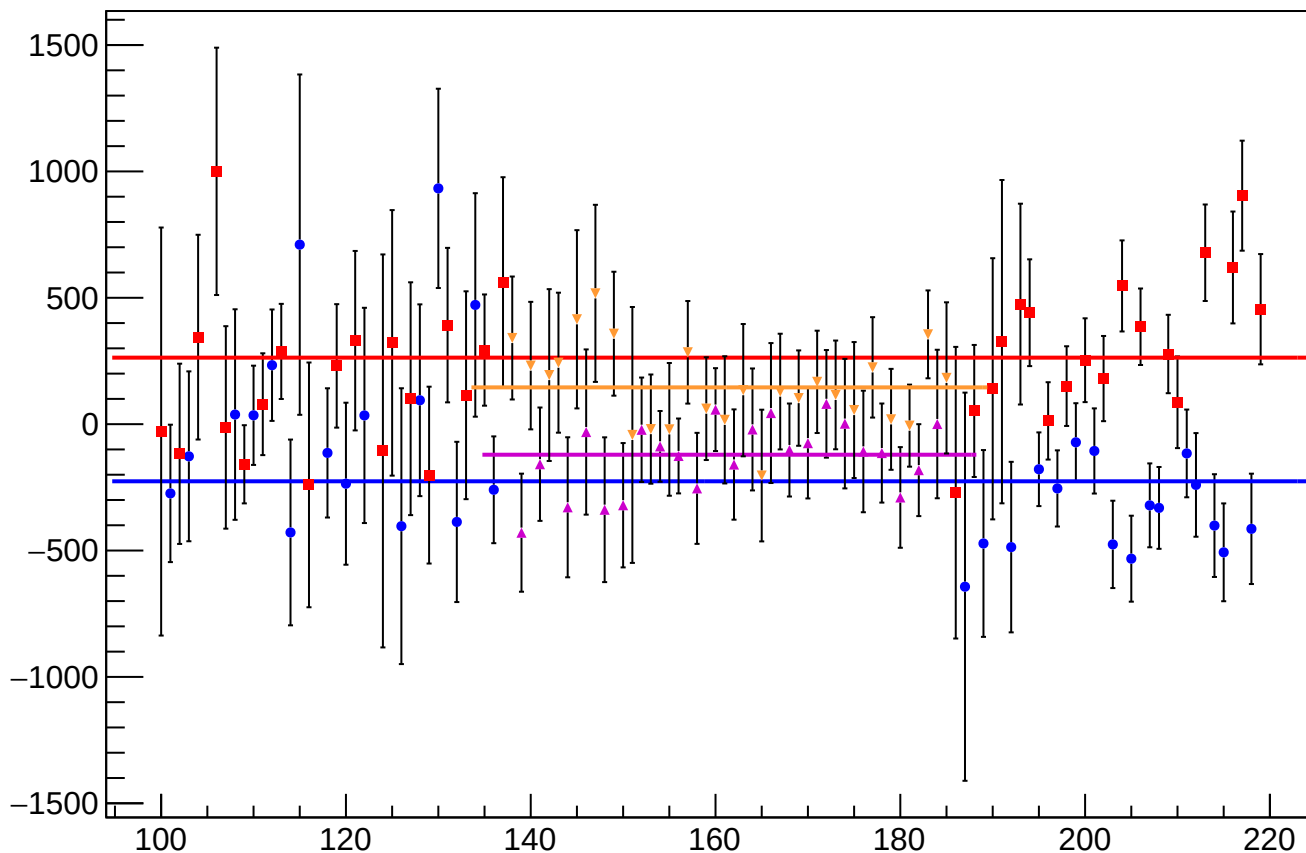
Left In: 10.626 $\pm$ 0.002 χ^2 /NDF:159543.1/22

+ sign 10.434 $\pm$ 0.001 χ^2 /NDF: 414333.3/56

All: 10.441 $\pm$ 0.001 χ^2 /NDF: 943082.4/116

- sign 10.448 $\pm$ 0.001 χ^2 /NDF: 528680.6/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -226.024 $\pm$ 39.956 χ^2 /NDF: 34.7/31

Left Out: 145.545 $\pm$ 46.613 χ^2 /NDF:10.3/24

Right Out: 263.210 $\pm$ 39.095 χ^2 /NDF: 43.3/36

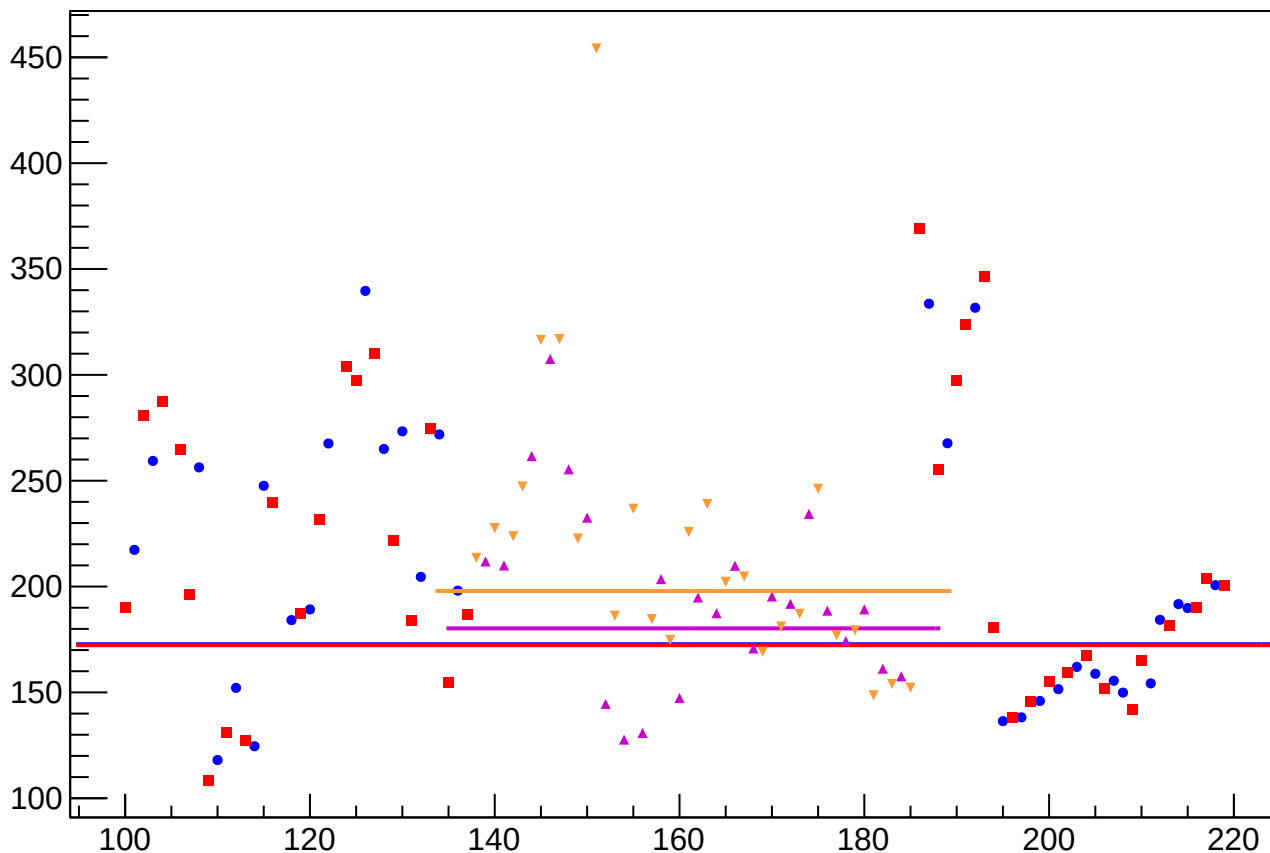
Left In: -120.888 $\pm$ 43.994 χ^2 /NDF:8.2/22

+ sign -68.643 $\pm$ 30.336 χ^2 /NDF: 81.6/56

All: 15.575 $\pm$ 21.047 χ^2 /NDF: 190.6/116

- sign 93.729 $\pm$ 29.224 χ^2 /NDF: 94.1/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.755 $\pm$ 0.028 χ^2 /NDF: 2354299.2/31

Left Out: 197.890 $\pm$ 0.033 χ^2 /NDF:1788849.3/24

Right Out: 172.315 $\pm$ 0.028 χ^2 /NDF: 3053674.4/36

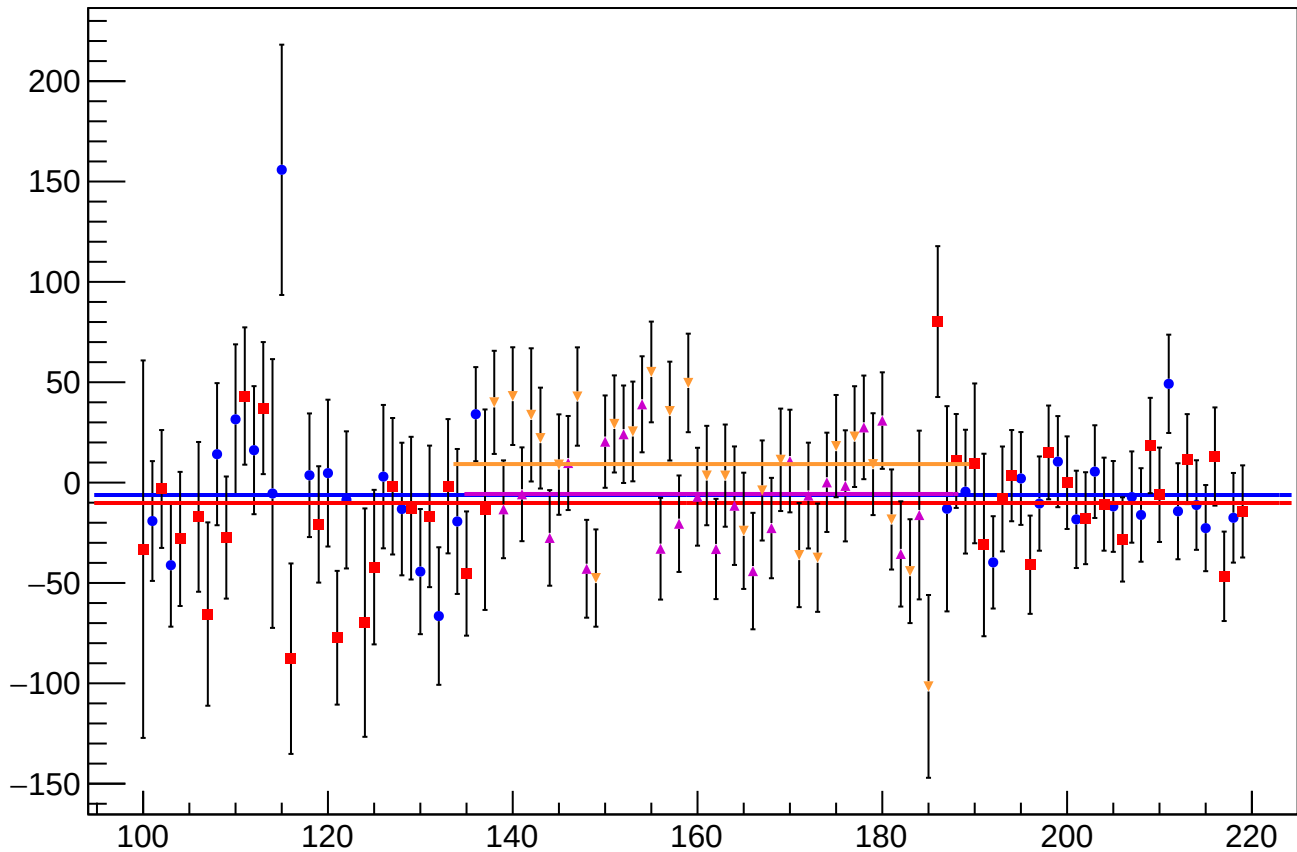
Left In: 180.248 $\pm$ 0.031 χ^2 /NDF:1627777.0/22

+ sign 183.401 $\pm$ 0.021 χ^2 /NDF: 4478375.3/56

All: 179.466 $\pm$ 0.015 χ^2 /NDF: 9261031.6/116

- sign 175.815 $\pm$ 0.021 χ^2 /NDF: 4717789.1/59

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.180 ± 4.889 $\chi^2/\text{NDF}: 27.8/31$

Left Out: 9.234 ± 5.162 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -10.156 ± 4.758 $\chi^2/\text{NDF}: 34.1/36$

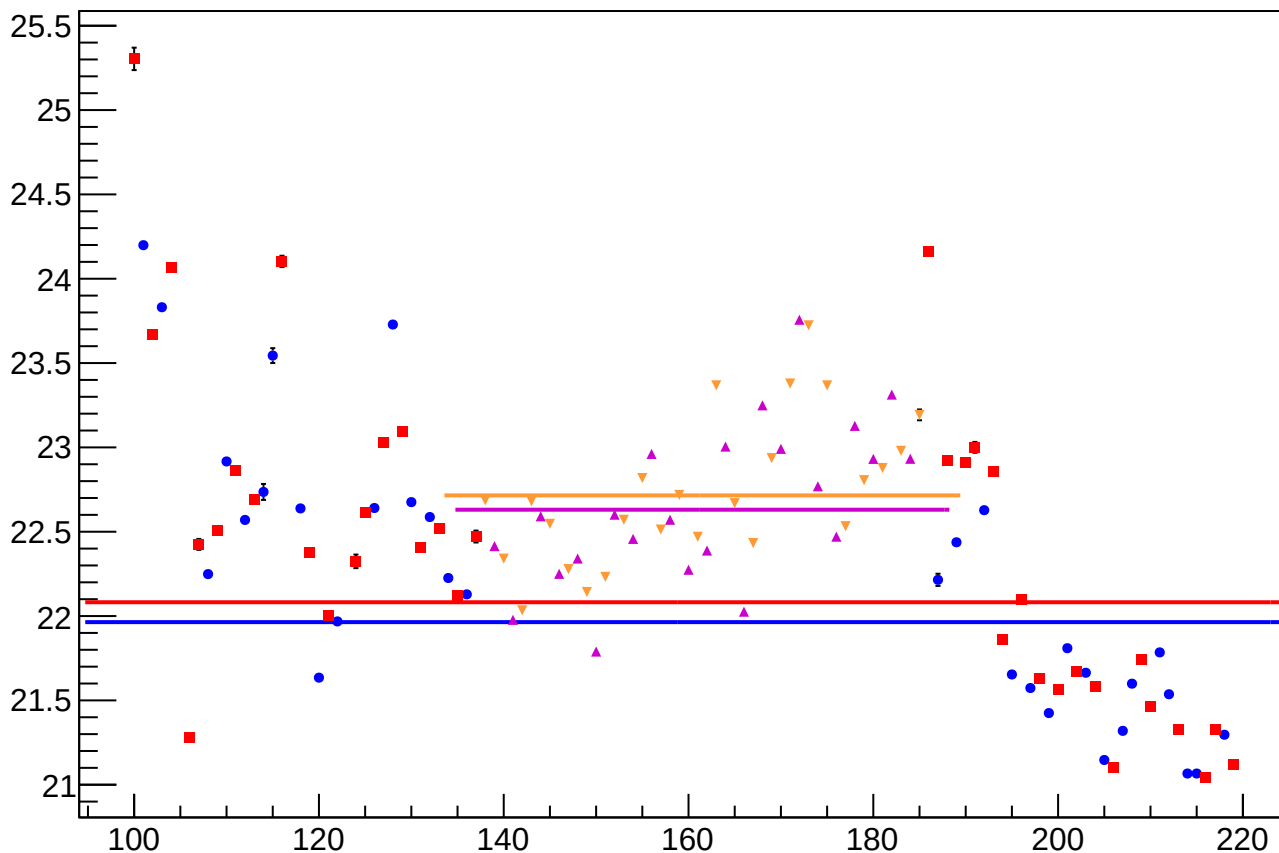
Left In: -5.668 ± 5.286 $\chi^2/\text{NDF}: 20.8/22$

+ sign 1.108 ± 3.550 $\chi^2/\text{NDF}: 71.9/56$

All: -3.537 ± 2.505 $\chi^2/\text{NDF}: 130.6/116$

- sign -8.148 ± 3.536 $\chi^2/\text{NDF}: 55.3/59$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.964 $\pm$ 0.003 χ^2 /NDF: 50419.2/31

Left Out: 22.715 $\pm$ 0.004 χ^2 /NDF: 12181.4/24

Right Out: 22.082 $\pm$ 0.003 χ^2 /NDF: 60030.4/36

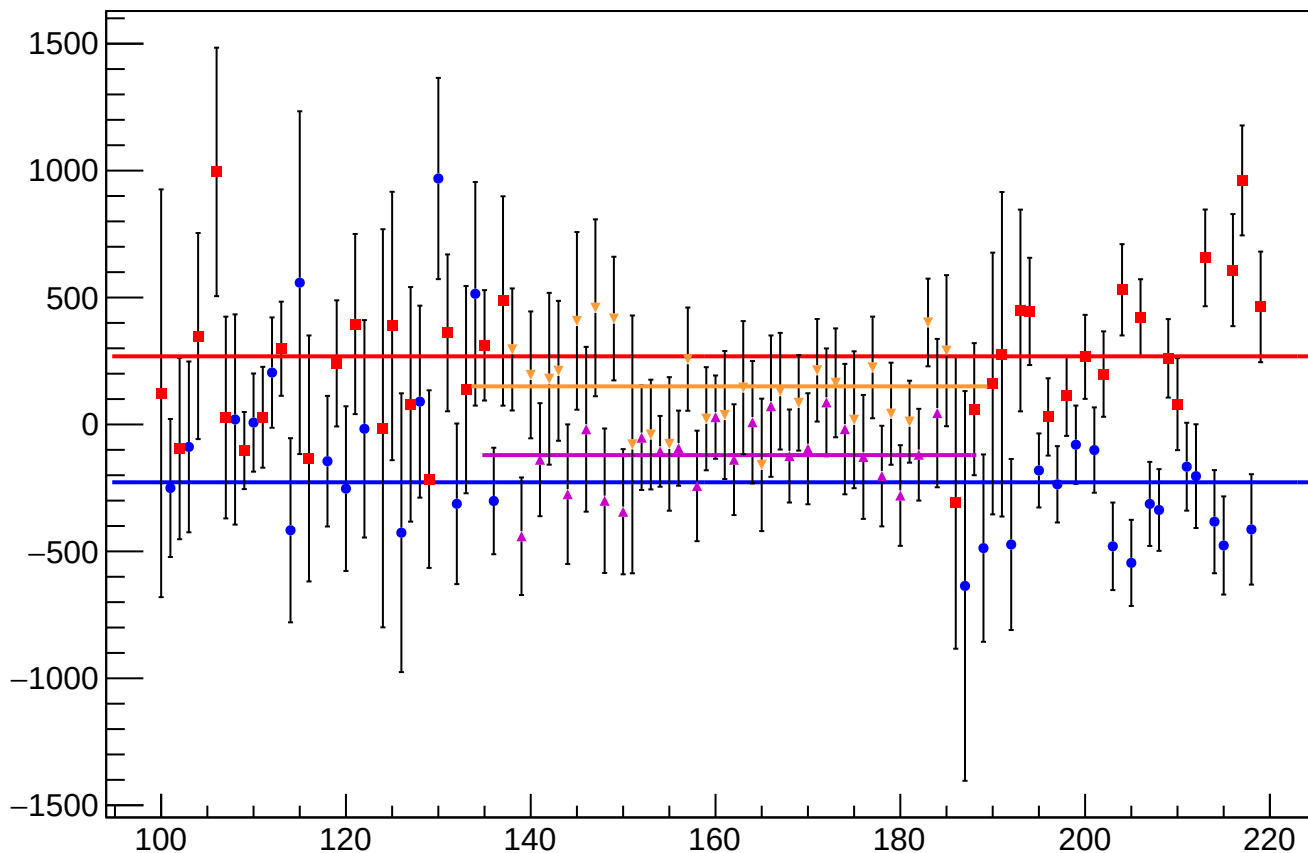
Left In: 22.631 $\pm$ 0.004 χ^2 /NDF: 15391.4/22

+ sign 22.319 $\pm$ 0.003 χ^2 /NDF: 84942.8/56

All: 22.323 $\pm$ 0.002 χ^2 /NDF: 172272.1/116

- sign 22.327 $\pm$ 0.003 χ^2 /NDF: 87323.9/59

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -227.791 ± 39.841 χ^2/NDF : 33.3/31

Left Out: 150.218 ± 46.535 χ^2/NDF : 11.0/24

Right Out: 268.392 ± 38.940 χ^2/NDF : 42.7/36

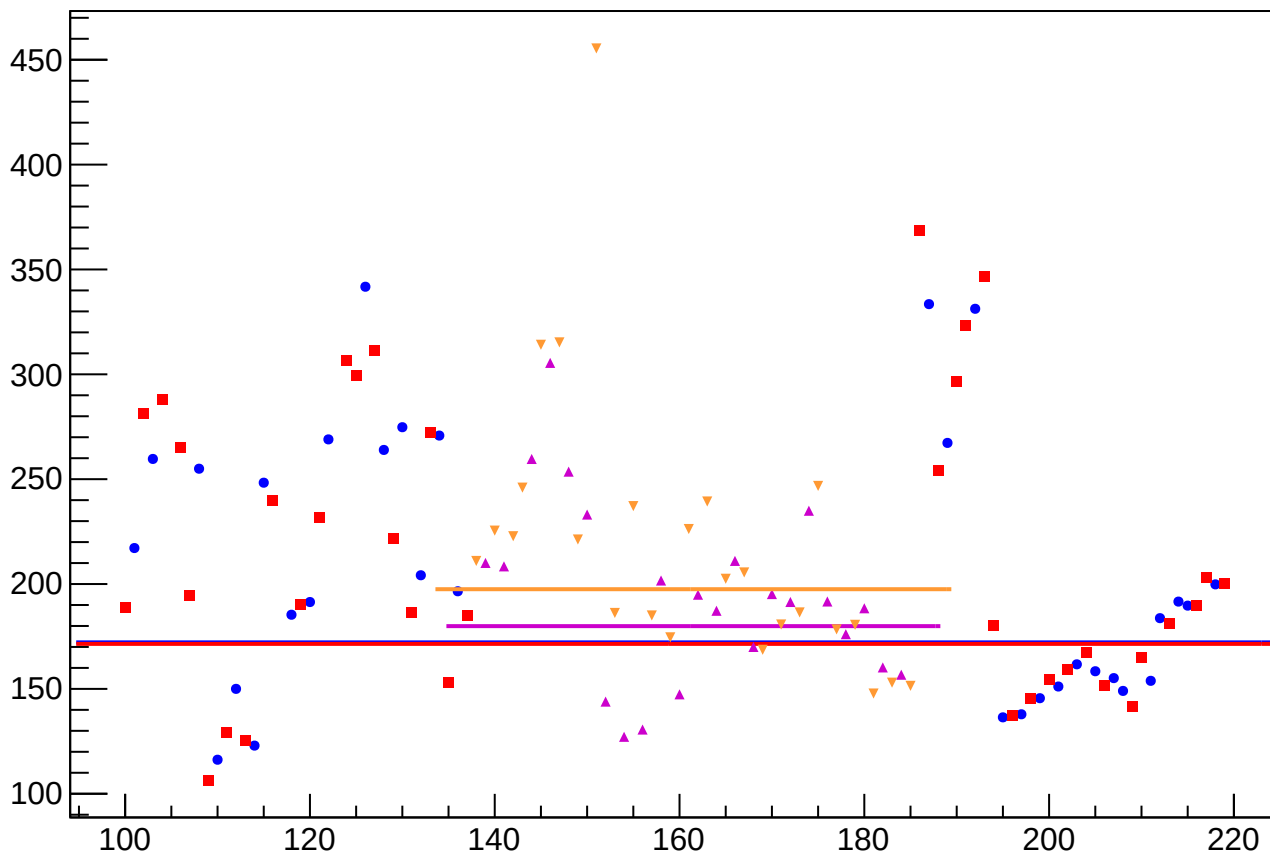
Left In: -120.760 ± 43.920 χ^2/NDF : 7.9/22

+ sign -67.908 ± 30.264 χ^2/NDF : 82.4/56

All: 17.735 ± 20.990 χ^2/NDF : 192.4/116

- sign 97.119 ± 29.137 χ^2/NDF : 94.6/59

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.176+/-0.028 χ^2/NDF : 2386620.0/31

Left Out: 197.534+/-0.033 χ^2/NDF : 1789891.0/24

Right Out: 171.463+/-0.028 χ^2/NDF : 3127564.2/36

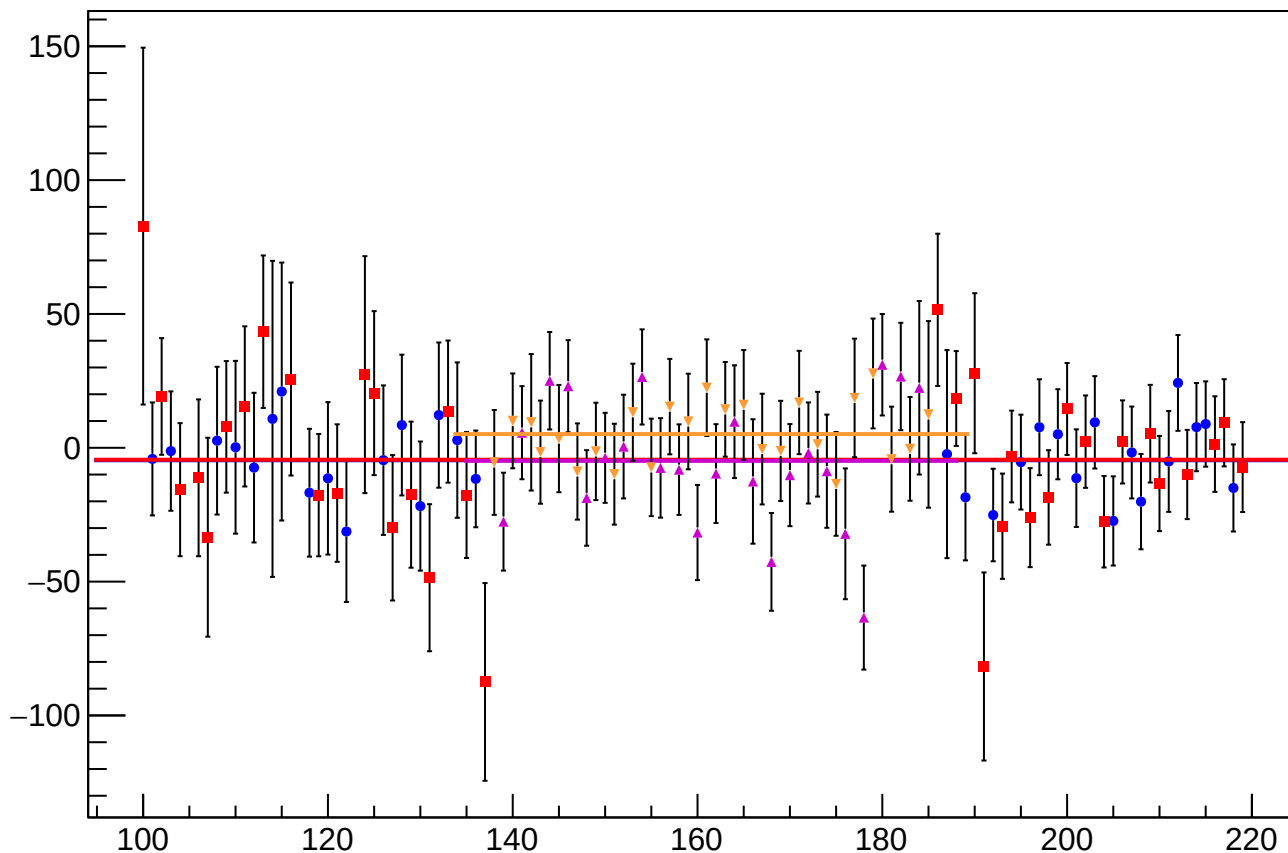
Left In: 179.923+/-0.031 χ^2/NDF : 1624144.3/22

+ sign 182.902+/-0.021 χ^2/NDF : 4519199.2/56

All: 178.898+/-0.015 χ^2/NDF : 9379910.3/116

- sign 175.187+/-0.021 χ^2/NDF : 4793260.0/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.650 ± 3.714 χ^2/NDF : 13.5/31

Left Out: 5.119 ± 3.890 χ^2/NDF : 7.9/24

Right Out: -4.459 ± 3.613 χ^2/NDF : 39.3/36

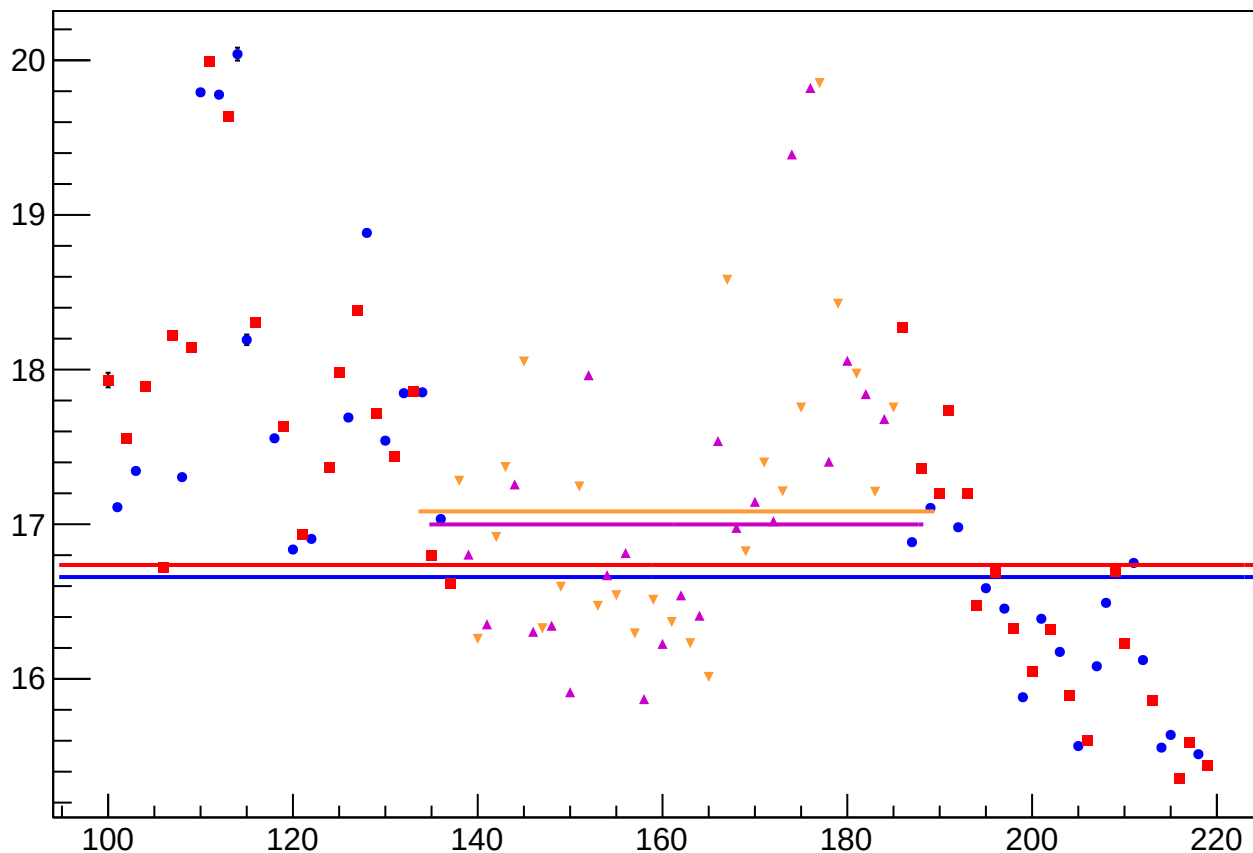
Left In: -4.858 ± 3.980 χ^2/NDF : 35.5/22

+ sign 0.008 ± 2.686 χ^2/NDF : 24.7/56

All: -2.325 ± 1.895 χ^2/NDF : 101.0/116

- sign -4.639 ± 2.675 χ^2/NDF : 74.8/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.658 $\pm$ 0.003 χ^2 /NDF: 135128.6/31

Left Out: 17.083 $\pm$ 0.003 χ^2 /NDF: 96774.9/24

Right Out: 16.737 $\pm$ 0.003 χ^2 /NDF: 161395.5/36

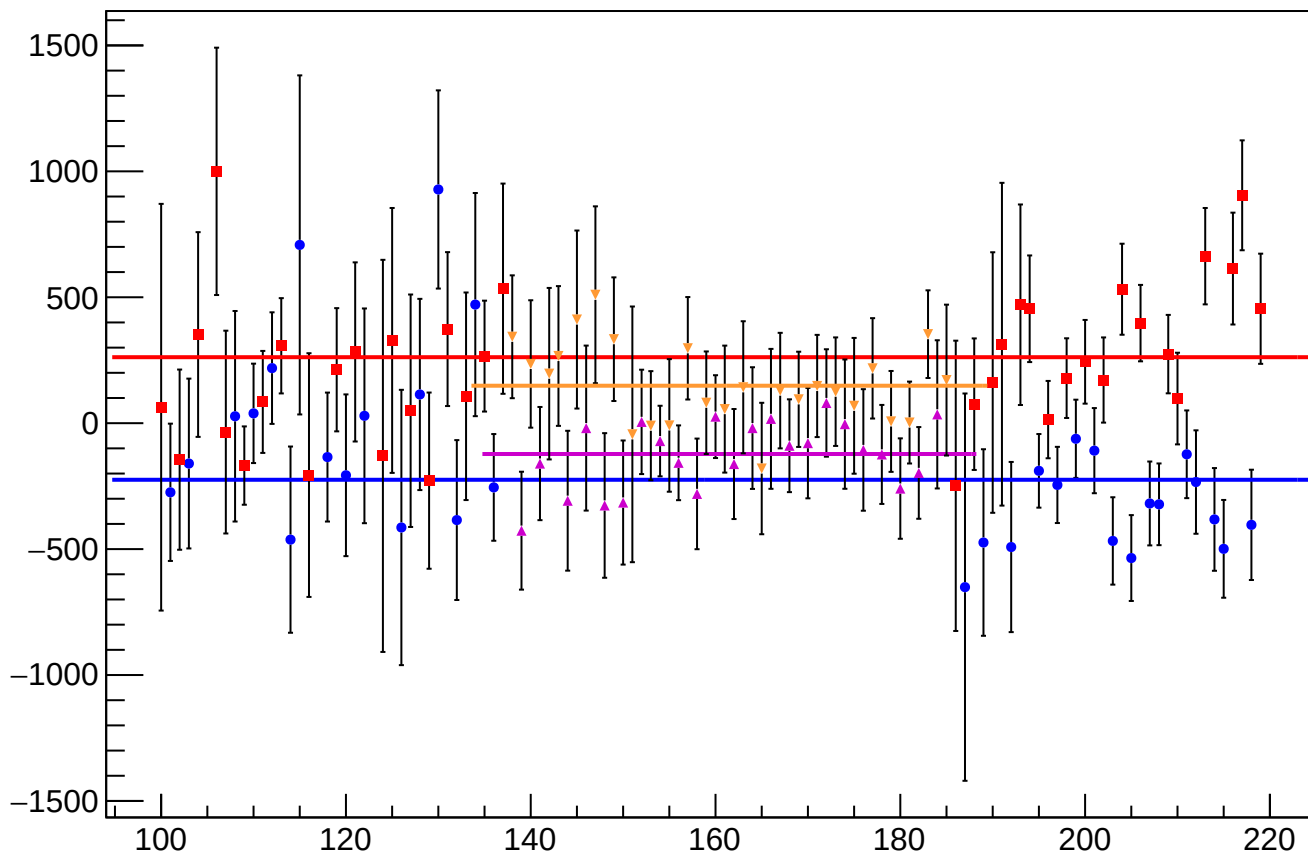
Left In: 16.999 $\pm$ 0.003 χ^2 /NDF: 104021.0/22

+ sign 16.861 $\pm$ 0.002 χ^2 /NDF: 244359.5/56

All: 16.858 $\pm$ 0.001 χ^2 /NDF: 514540.2/116

- sign 16.855 $\pm$ 0.002 χ^2 /NDF: 270175.9/59

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -224.701 ± 40.077 χ^2/NDF : 33.9/31

Left Out: 148.758 ± 46.714 χ^2/NDF : 9.5/24

Right Out: 262.026 ± 39.212 χ^2/NDF : 42.6/36

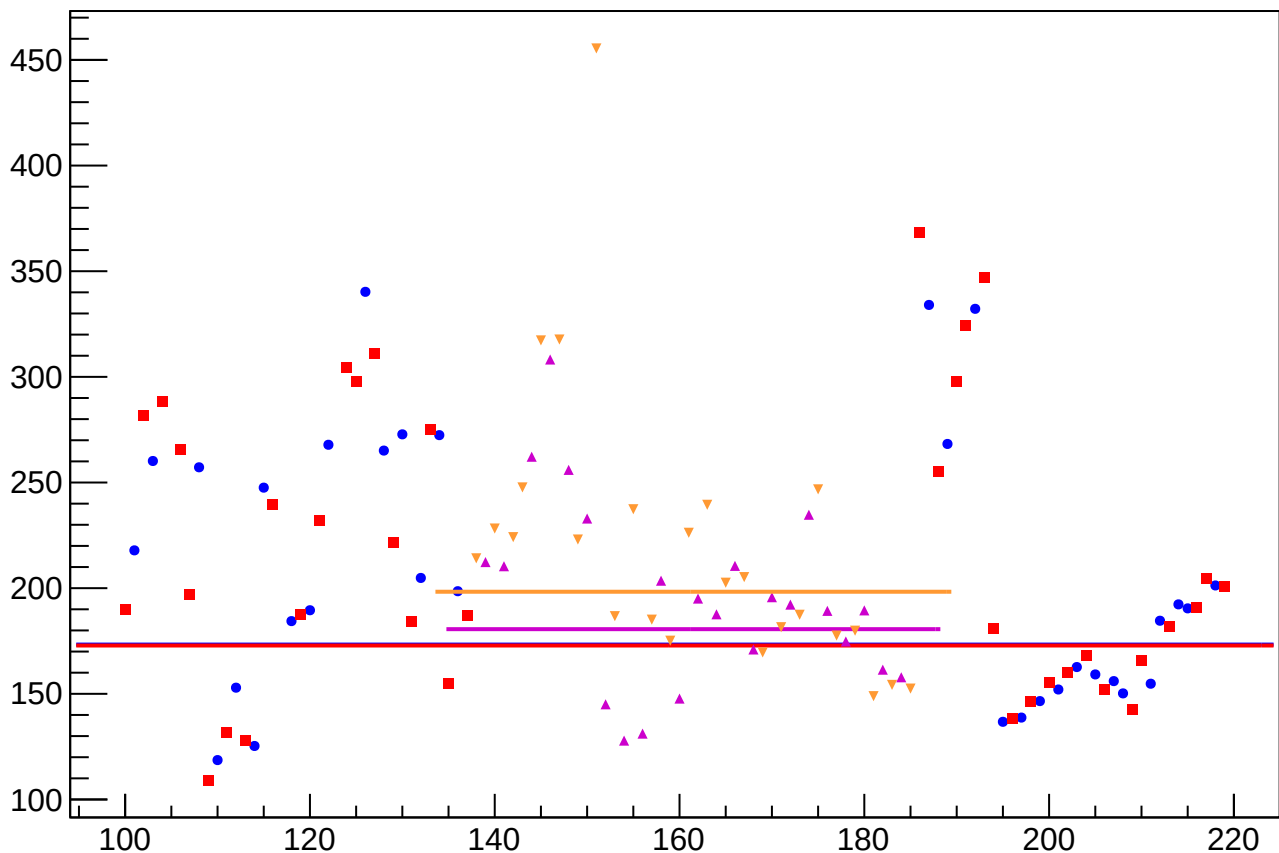
Left In: -122.376 ± 44.081 χ^2/NDF : 7.9/22

+ sign -66.364 ± 30.417 χ^2/NDF : 80.2/56

All: 15.900 ± 21.101 χ^2/NDF : 187.3/116

- sign 92.221 ± 29.298 χ^2/NDF : 93.0/59

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.305+/-0.028 χ^2/NDF : 2341473.6/31

Left Out: 198.313+/-0.033 χ^2/NDF :1790279.4/24

Right Out: 172.866+/-0.028 χ^2/NDF : 3035159.2/36

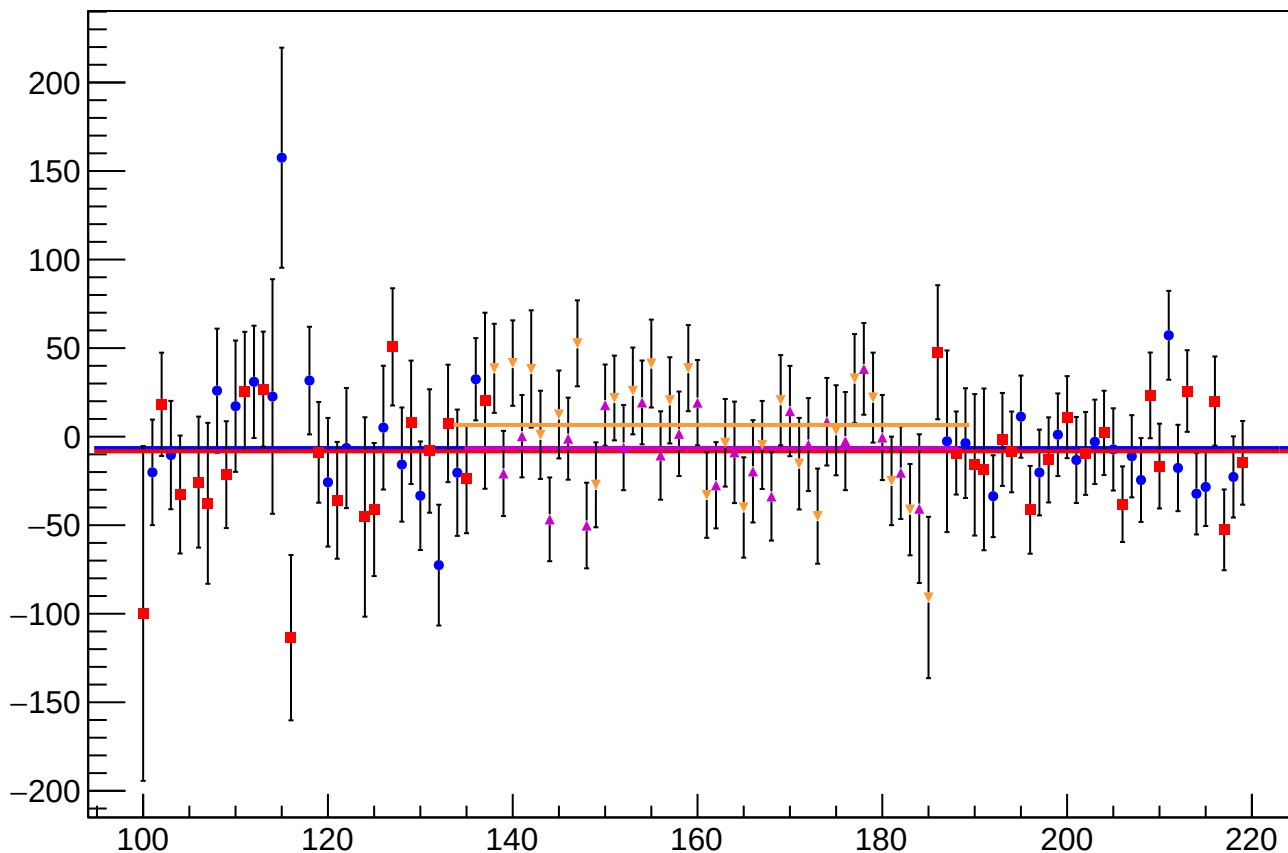
Left In: 180.601+/-0.031 χ^2/NDF :1628072.3/22

+ sign 183.908+/-0.022 χ^2/NDF : 4461926.6/56

All: 179.953+/-0.015 χ^2/NDF : 9224724.9/116

- sign 176.283+/-0.021 χ^2/NDF : 4697609.0/59

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -6.451 ± 4.937 χ^2/NDF : 32.1/31

Left Out: 6.611 ± 5.117 χ^2/NDF : 36.9/24

Right Out: -8.272 ± 4.795 χ^2/NDF : 32.6/36

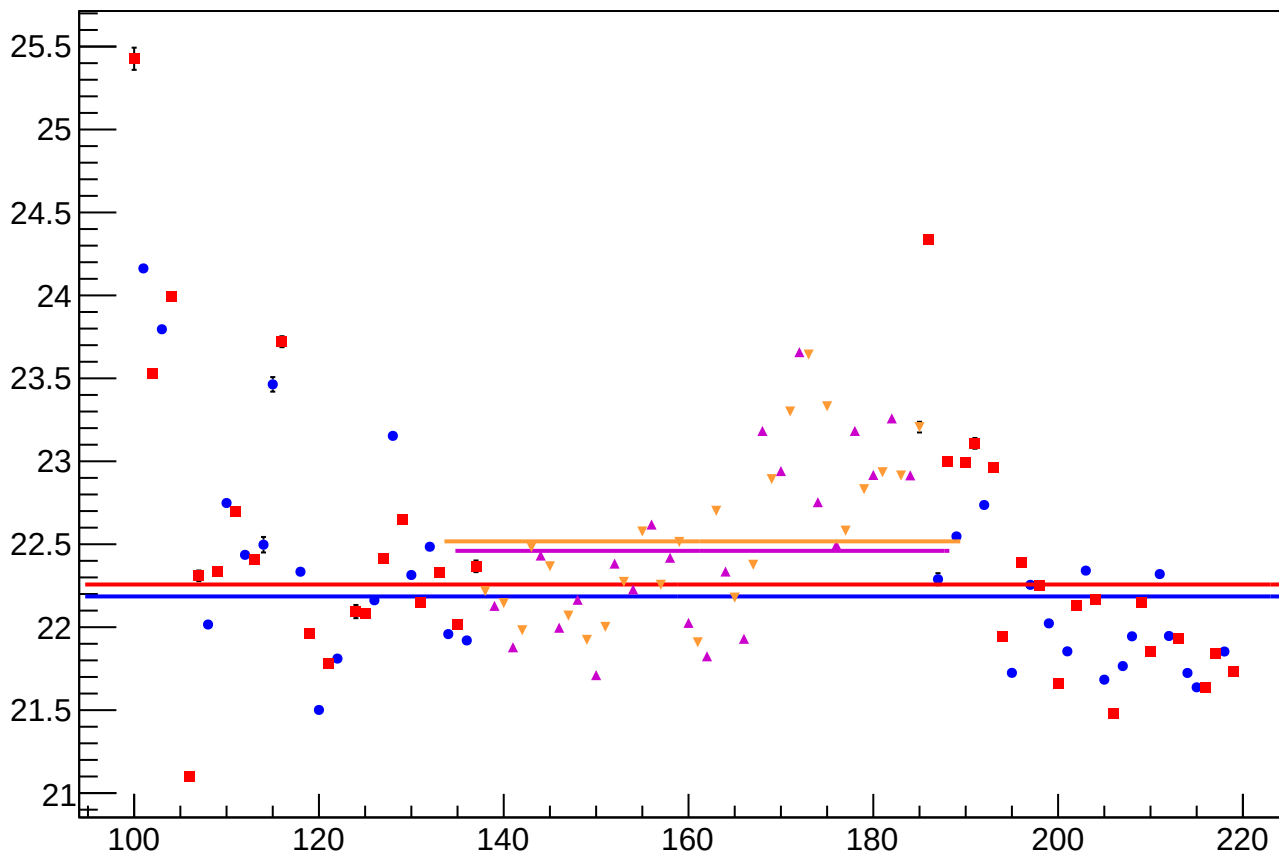
Left In: -6.482 ± 5.247 χ^2/NDF : 17.4/22

+ sign -0.154 ± 3.553 χ^2/NDF : 72.4/56

All: -3.820 ± 2.507 χ^2/NDF : 124.6/116

- sign -7.457 ± 3.539 χ^2/NDF : 50.1/59

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.185 $\pm$ 0.003 χ^2 /NDF: 26490.2/31

Left Out: 22.517 $\pm$ 0.004 χ^2 /NDF:16002.5/24

Right Out: 22.257 $\pm$ 0.003 χ^2 /NDF: 36187.9/36

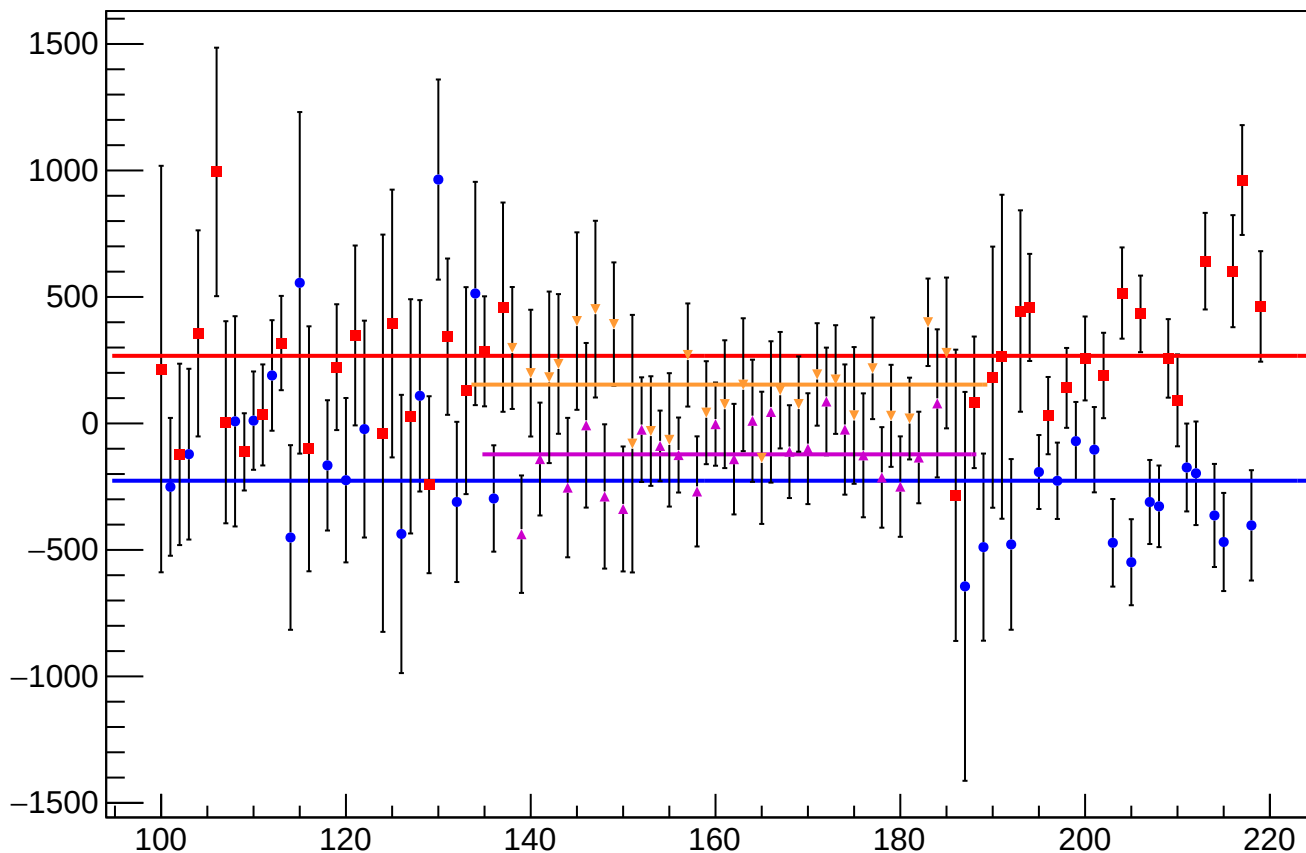
Left In: 22.460 $\pm$ 0.004 χ^2 /NDF:19117.2/22

+ sign 22.345 $\pm$ 0.003 χ^2 /NDF: 46854.1/56

All: 22.348 $\pm$ 0.002 χ^2 /NDF: 103789.5/116

- sign 22.350 $\pm$ 0.003 χ^2 /NDF: 56934.0/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -226.488 ± 39.962 χ^2/NDF : 32.5/31

Left Out: 153.507 ± 46.636 χ^2/NDF : 10.1/24

Right Out: 267.242 ± 39.058 χ^2/NDF : 42.1/36

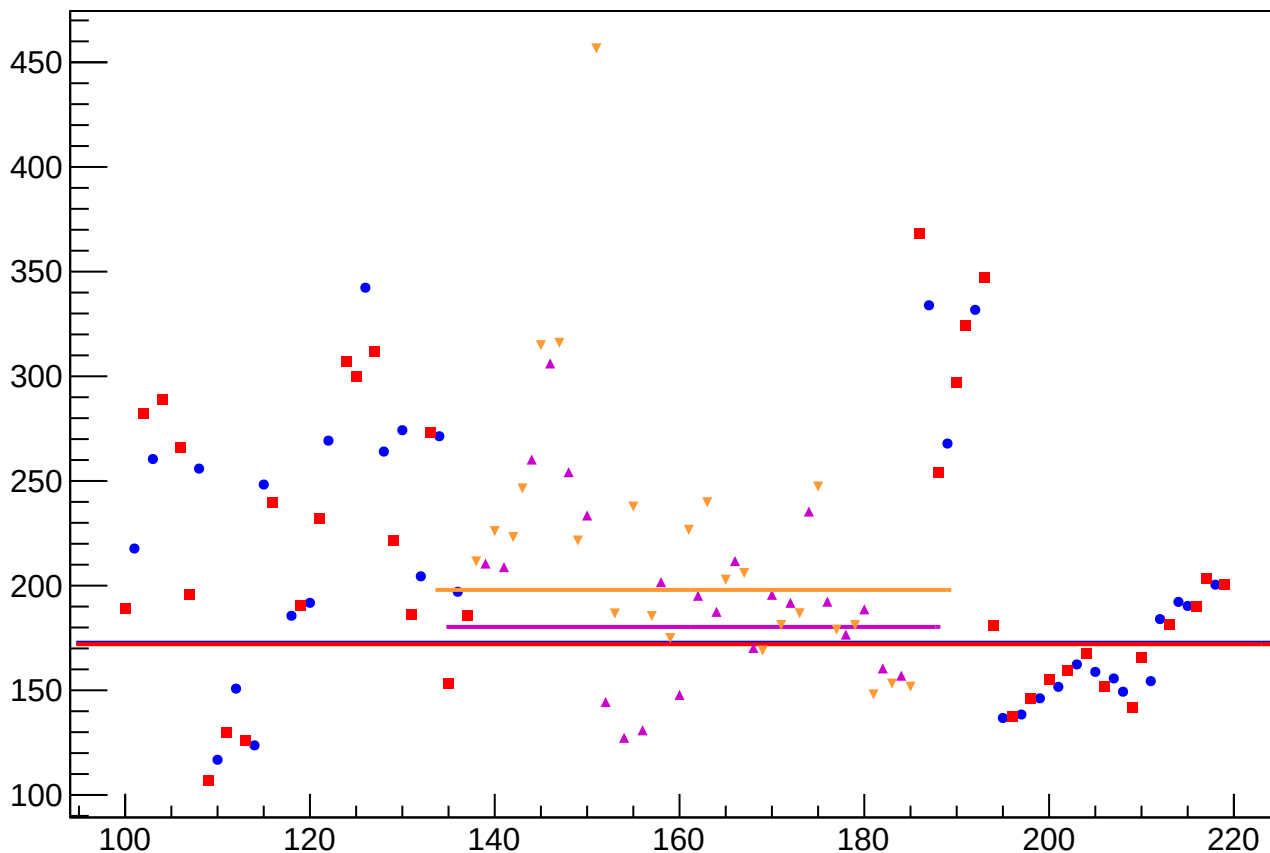
Left In: -122.165 ± 44.006 χ^2/NDF : 7.5/22

+ sign -65.603 ± 30.345 χ^2/NDF : 80.9/56

All: 18.095 ± 21.045 χ^2/NDF : 188.8/116

- sign 95.656 ± 29.211 χ^2/NDF : 93.3/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.731 $\pm$ 0.028 χ^2 /NDF: 2373287.4/31

Left Out: 197.957 $\pm$ 0.033 χ^2 /NDF:1791354.6/24

Right Out: 172.020 $\pm$ 0.028 χ^2 /NDF: 3108125.6/36

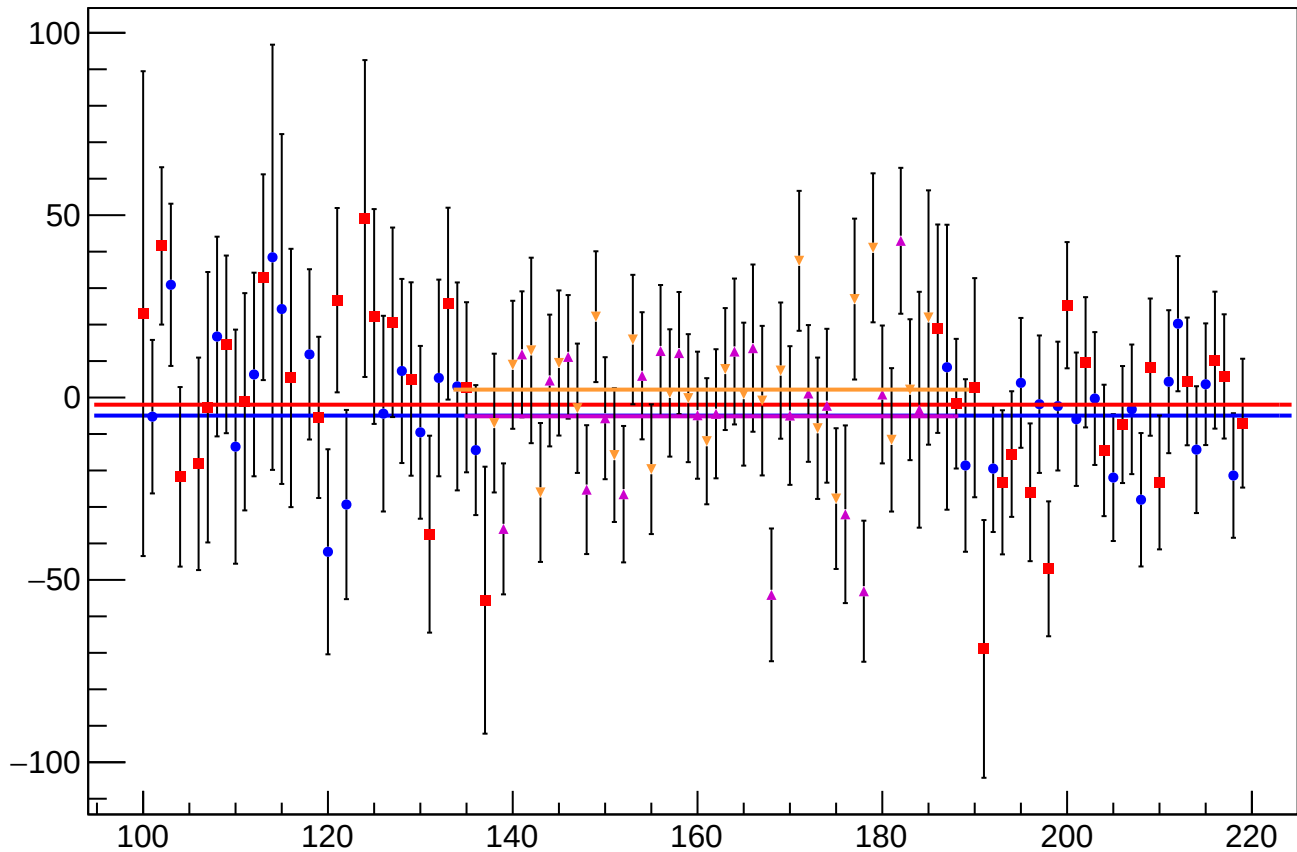
Left In: 180.274 $\pm$ 0.031 χ^2 /NDF:1624682.7/22

+ sign 183.411 $\pm$ 0.021 χ^2 /NDF: 4502078.0/56

All: 179.387 $\pm$ 0.015 χ^2 /NDF: 9342020.6/116

- sign 175.657 $\pm$ 0.021 χ^2 /NDF: 4772165.7/59

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.950 $\pm$ 3.782 χ^2/NDF : 16.0/31

Left Out: 2.174 $\pm$ 3.825 χ^2/NDF : 20.0/24

Right Out: -1.961 $\pm$ 3.668 χ^2/NDF : 35.9/36

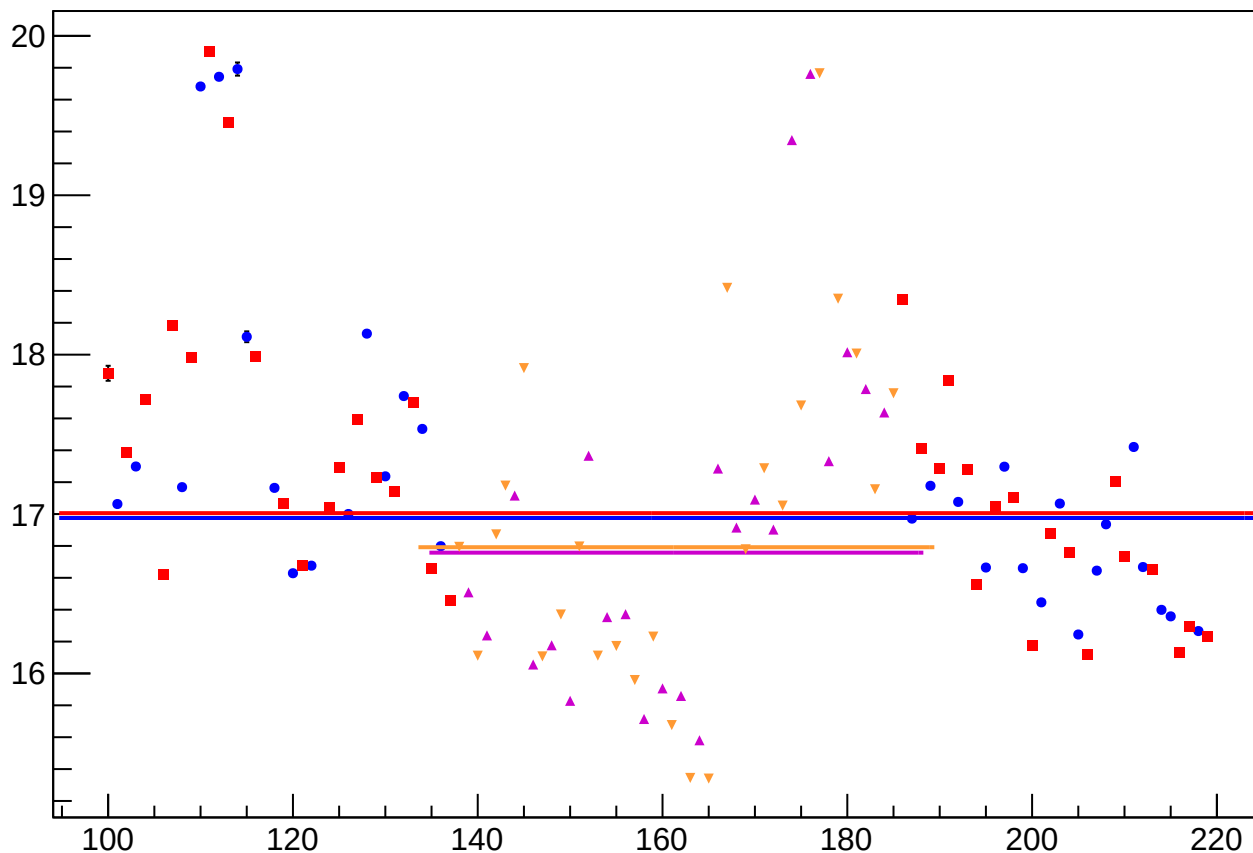
Left In: -5.150 $\pm$ 3.924 χ^2/NDF : 32.3/22

+ sign -1.429 $\pm$ 2.689 χ^2/NDF : 37.7/56

All: -2.442 $\pm$ 1.898 χ^2/NDF : 106.5/116

- sign -3.448 $\pm$ 2.679 χ^2/NDF : 68.5/59

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 16.975 $\pm$ 0.003 χ^2 /NDF: 65937.7/31

Left Out: 16.792 $\pm$ 0.003 χ^2 /NDF:137000.5/24

Right Out: 17.006 $\pm$ 0.003 χ^2 /NDF: 80656.9/36

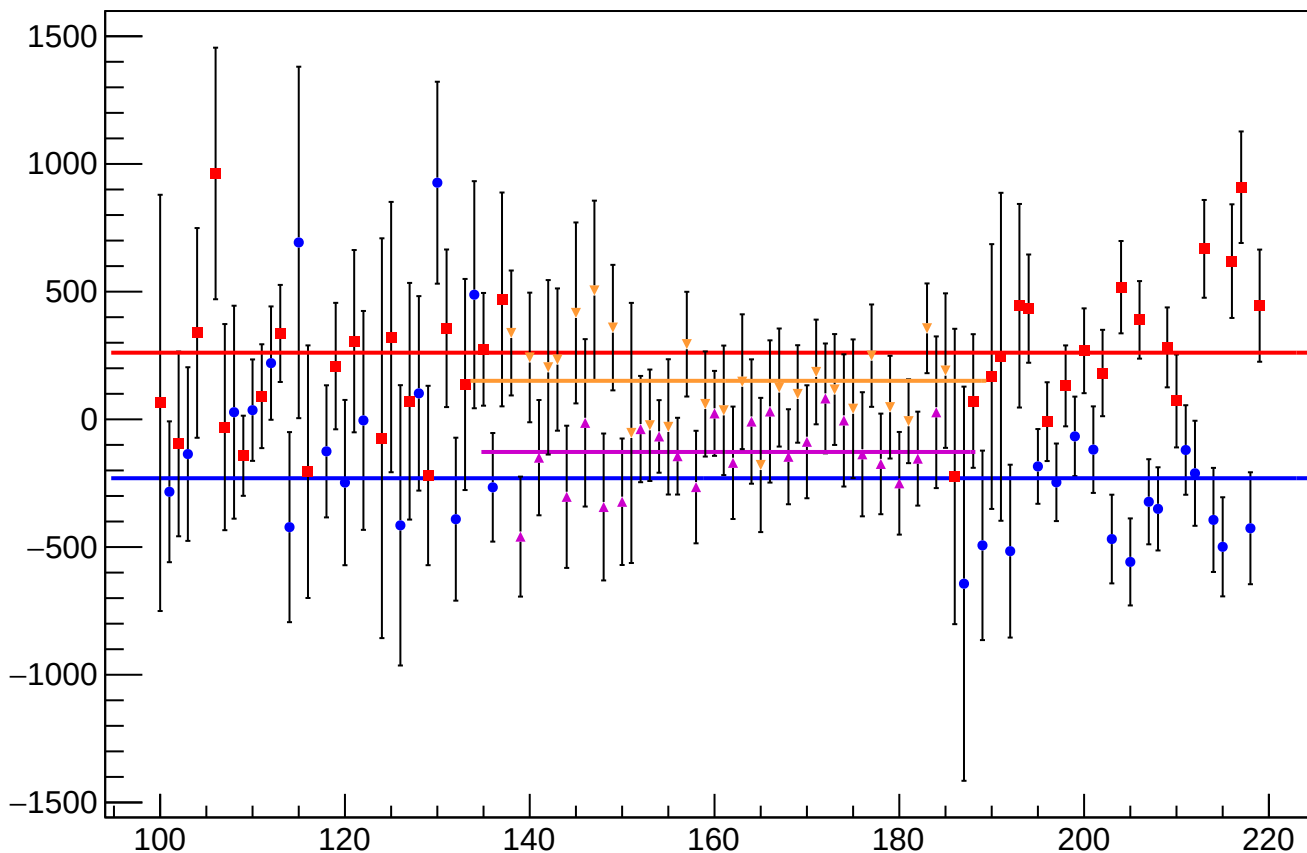
Left In: 16.758 $\pm$ 0.003 χ^2 /NDF:123306.8/22

+ sign 16.885 $\pm$ 0.002 χ^2 /NDF: 205261.3/56

All: 16.887 $\pm$ 0.001 χ^2 /NDF: 413488.6/116

- sign 16.890 $\pm$ 0.002 χ^2 /NDF: 208223.2/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -230.479 ± 40.193 χ^2/NDF : 34.6/31

Left Out: 150.884 ± 47.035 χ^2/NDF : 10.0/24

Right Out: 261.020 ± 39.334 χ^2/NDF : 41.3/36

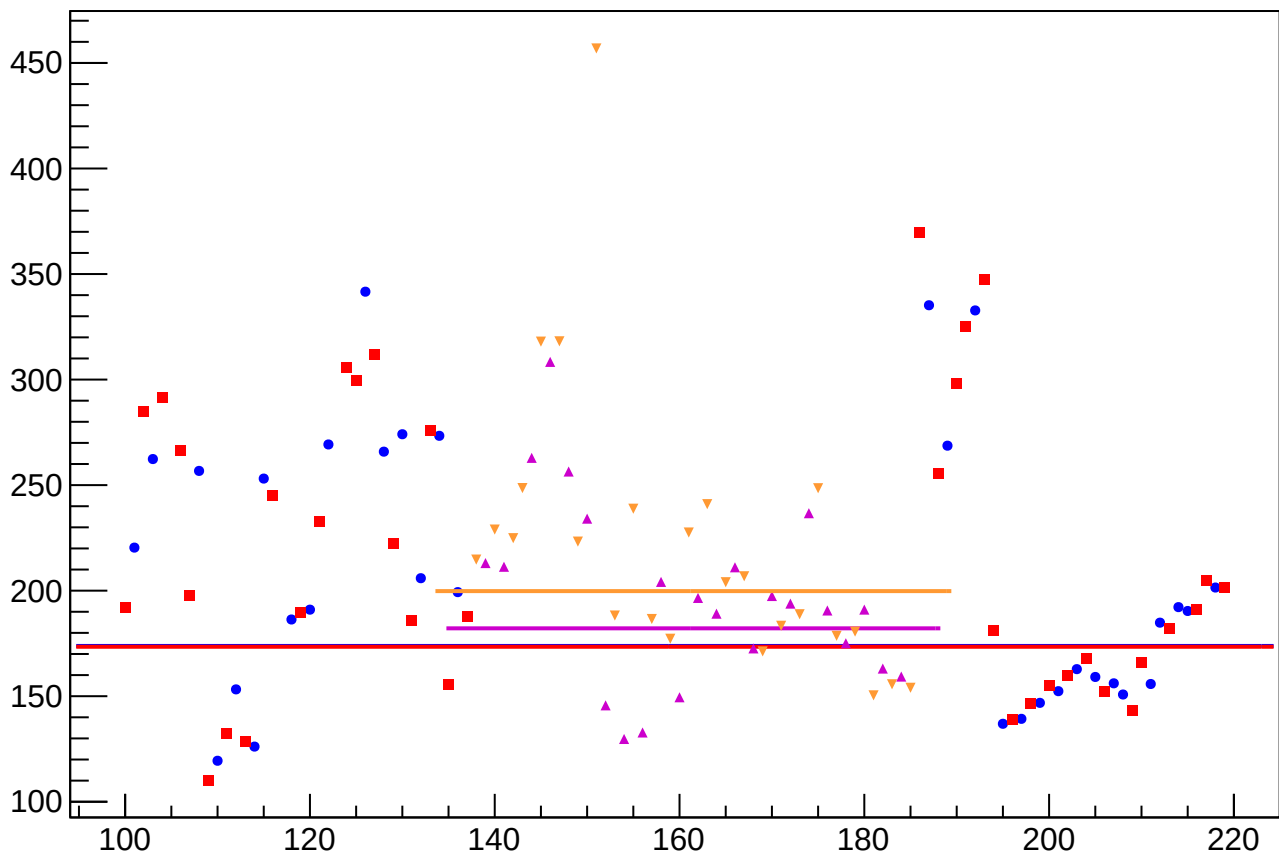
Left In: -127.710 ± 44.426 χ^2/NDF : 7.8/22

+ sign -69.528 ± 30.556 χ^2/NDF : 82.6/56

All: 13.280 ± 21.205 χ^2/NDF : 188.8/116

- sign 90.201 ± 29.450 χ^2/NDF : 92.0/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 173.804 $\pm$ 0.028 χ^2 /NDF: 2347149.8/31

Left Out: 199.785 $\pm$ 0.033 χ^2 /NDF:1760326.2/24

Right Out: 173.427 $\pm$ 0.028 χ^2 /NDF: 3036505.4/36

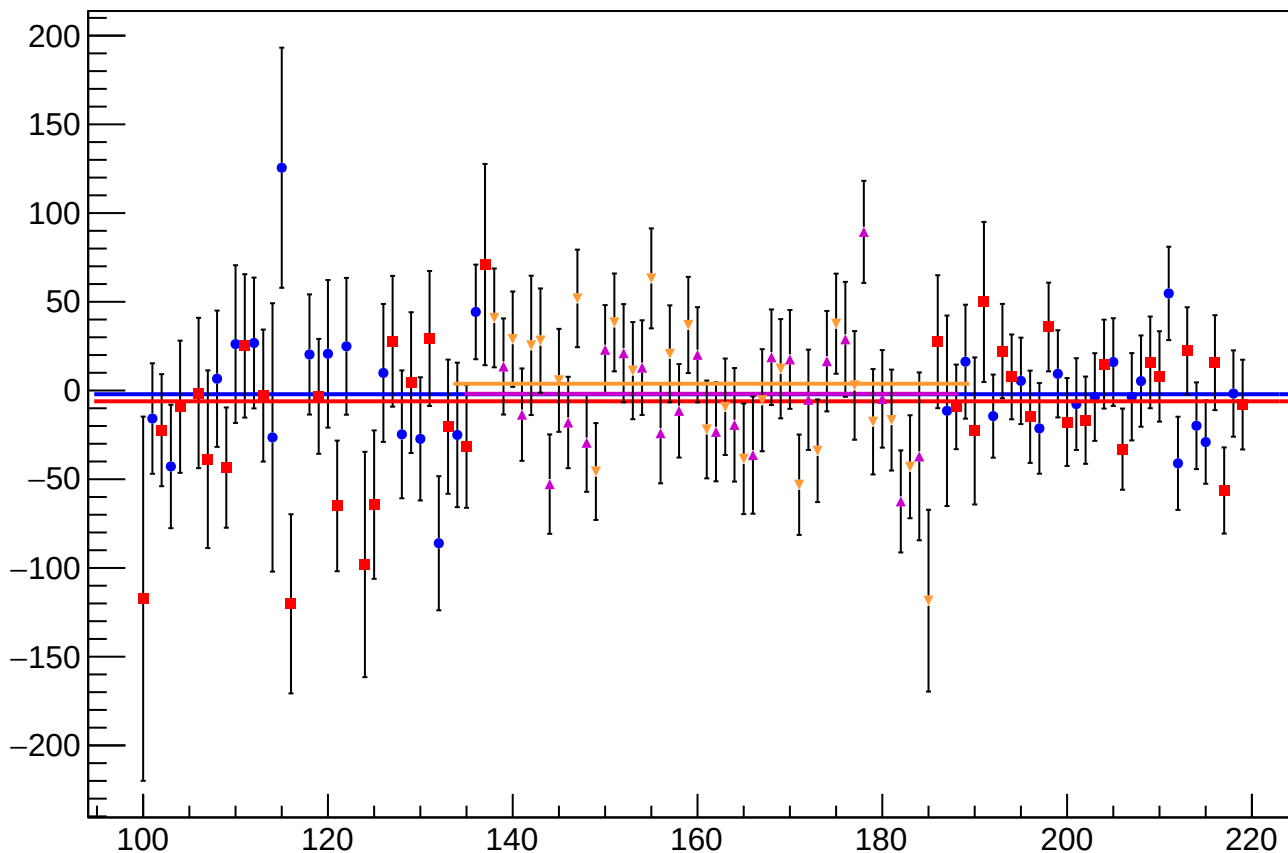
Left In: 182.150 $\pm$ 0.031 χ^2 /NDF:1584358.1/22

+ sign 184.769 $\pm$ 0.022 χ^2 /NDF: 4460155.7/56

All: 180.876 $\pm$ 0.015 χ^2 /NDF: 9186850.8/116

- sign 177.260 $\pm$ 0.021 χ^2 /NDF: 4664084.0/59

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -2.090 ± 5.323 χ^2/NDF : 27.7/31

Left Out: 3.831 ± 5.789 χ^2/NDF : 37.6/24

Right Out: -6.078 ± 5.149 χ^2/NDF : 36.5/36

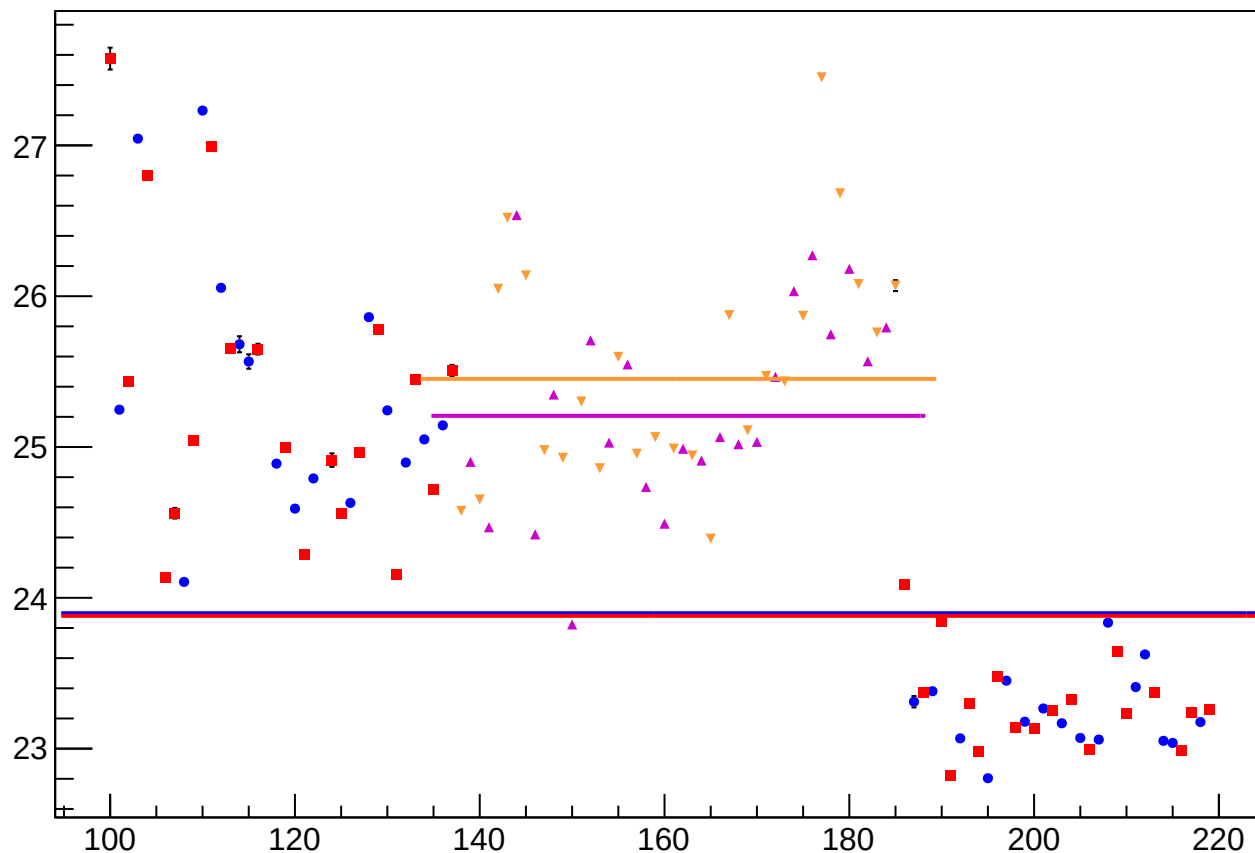
Left In: -1.850 ± 5.893 χ^2/NDF : 28.1/22

+ sign 0.623 ± 3.918 χ^2/NDF : 65.9/56

All: -1.838 ± 2.756 χ^2/NDF : 131.5/116

- sign -4.247 ± 3.877 χ^2/NDF : 64.8/59

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.898 $\pm$ 0.004 χ^2 /NDF: 85870.3/31

Left Out: 25.452 $\pm$ 0.004 χ^2 /NDF: 29612.4/24

Right Out: 23.881 $\pm$ 0.004 χ^2 /NDF: 80045.1/36

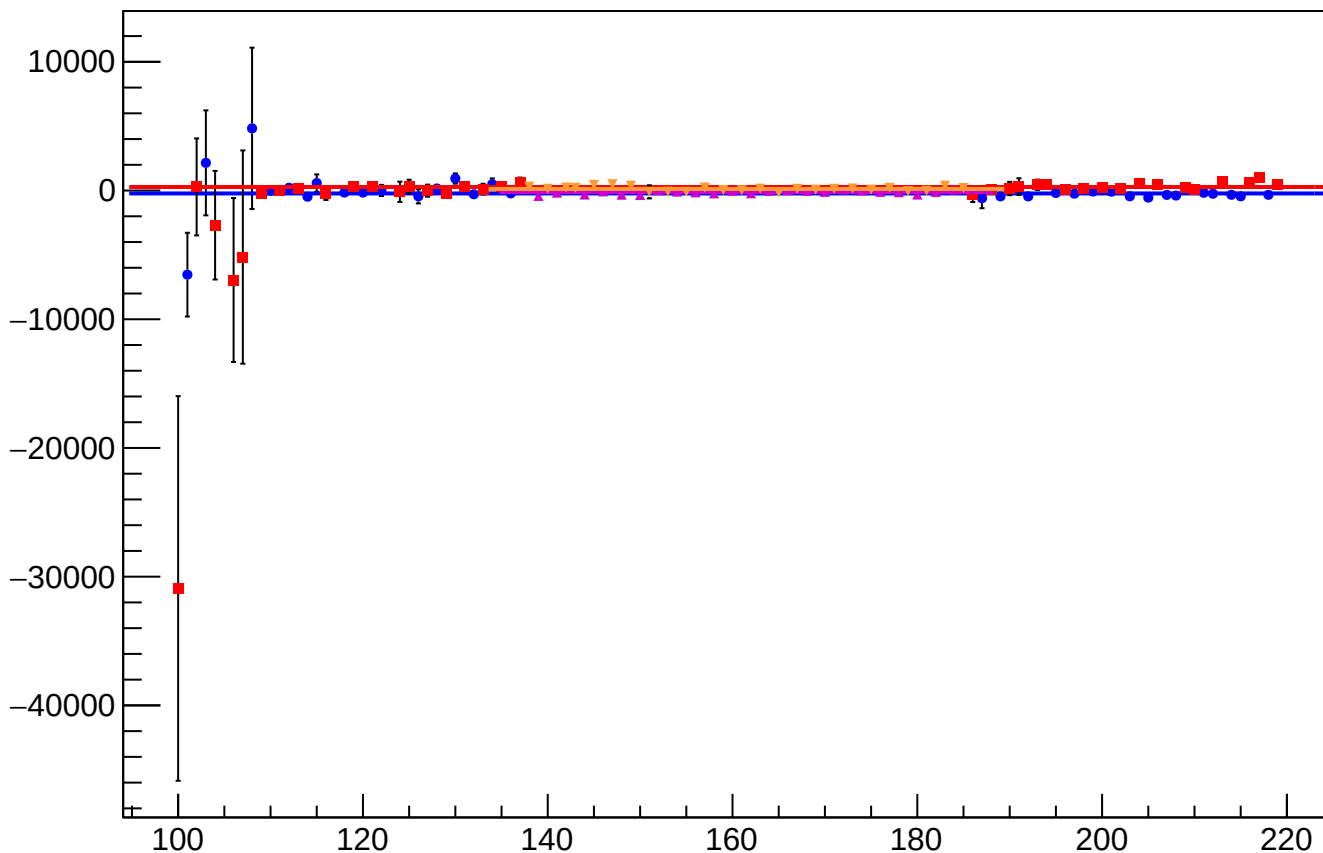
Left In: 25.207 $\pm$ 0.004 χ^2 /NDF: 25827.4/22

+ sign 24.610 $\pm$ 0.003 χ^2 /NDF: 193568.6/56

All: 24.532 $\pm$ 0.002 χ^2 /NDF: 358452.9/116

- sign 24.455 $\pm$ 0.003 χ^2 /NDF: 163301.4/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -225.728 ± 41.812 χ^2/NDF : 35.3/31

Left Out: 125.161 ± 46.925 χ^2/NDF : 11.1/24

Right Out: 276.074 ± 41.344 χ^2/NDF : 46.4/36

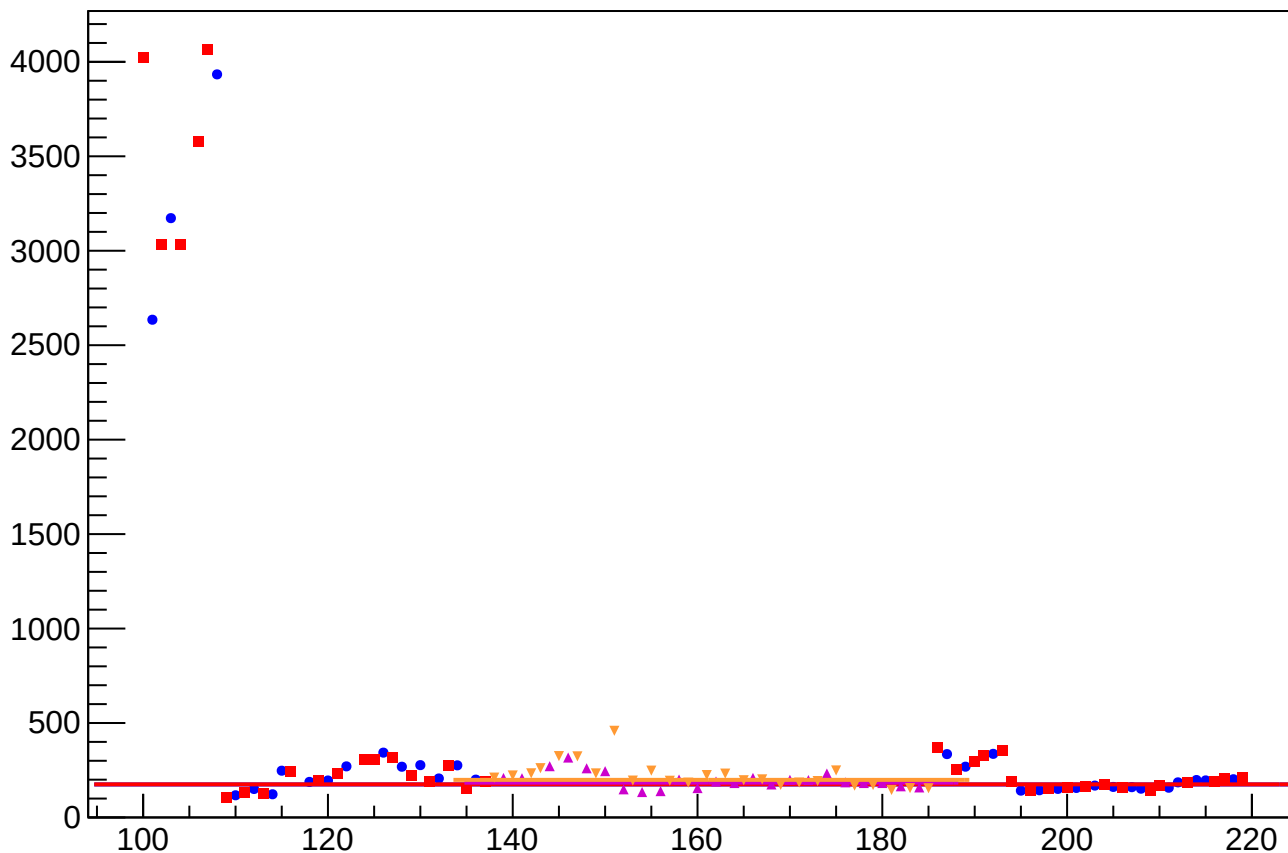
Left In: -117.291 ± 44.871 χ^2/NDF : 8.0/22

+ sign -70.436 ± 31.217 χ^2/NDF : 77.6/56

All: 14.699 ± 21.781 χ^2/NDF : 188.0/116

- sign 95.461 ± 30.405 χ^2/NDF : 95.9/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.551 $\pm$ 0.030 χ^2 /NDF: 4969849.2/31

Left Out: 198.994 $\pm$ 0.033 χ^2 /NDF: 1902155.1/24

Right Out: 175.248 $\pm$ 0.029 χ^2 /NDF: 5693751.9/36

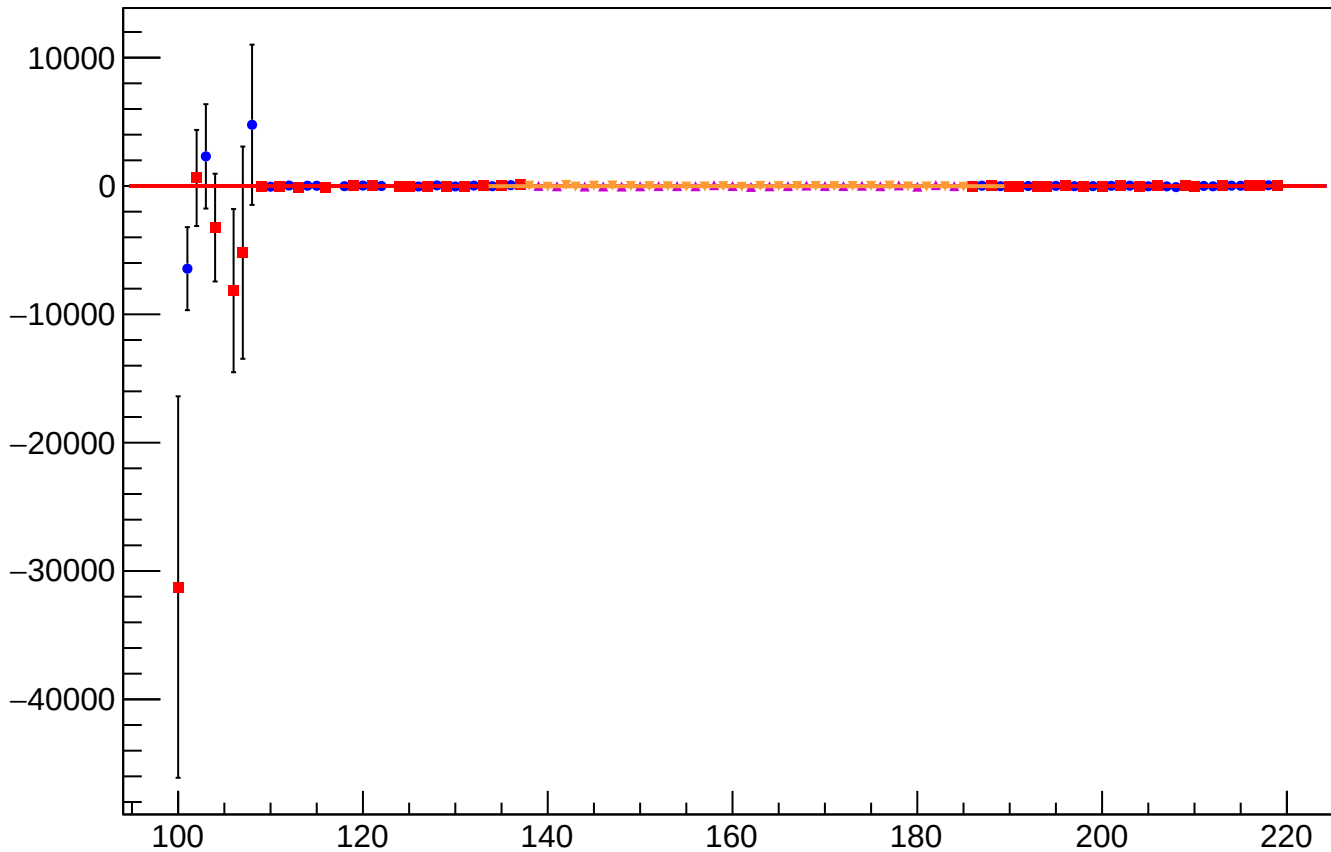
Left In: 184.399 $\pm$ 0.032 χ^2 /NDF: 1446306.0/22

+ sign 185.369 $\pm$ 0.022 χ^2 /NDF: 7174483.6/56

All: 182.331 $\pm$ 0.015 χ^2 /NDF: 14396422.2/11

- sign 179.450 $\pm$ 0.021 χ^2 /NDF: 7185040.1/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 1.098 $\pm$ 6.357 χ^2 /NDF: 34.2/31

Left Out: -14.827 $\pm$ 6.512 χ^2 /NDF: 22.2/24

Right Out: -2.084 $\pm$ 6.233 χ^2 /NDF: 43.4/36

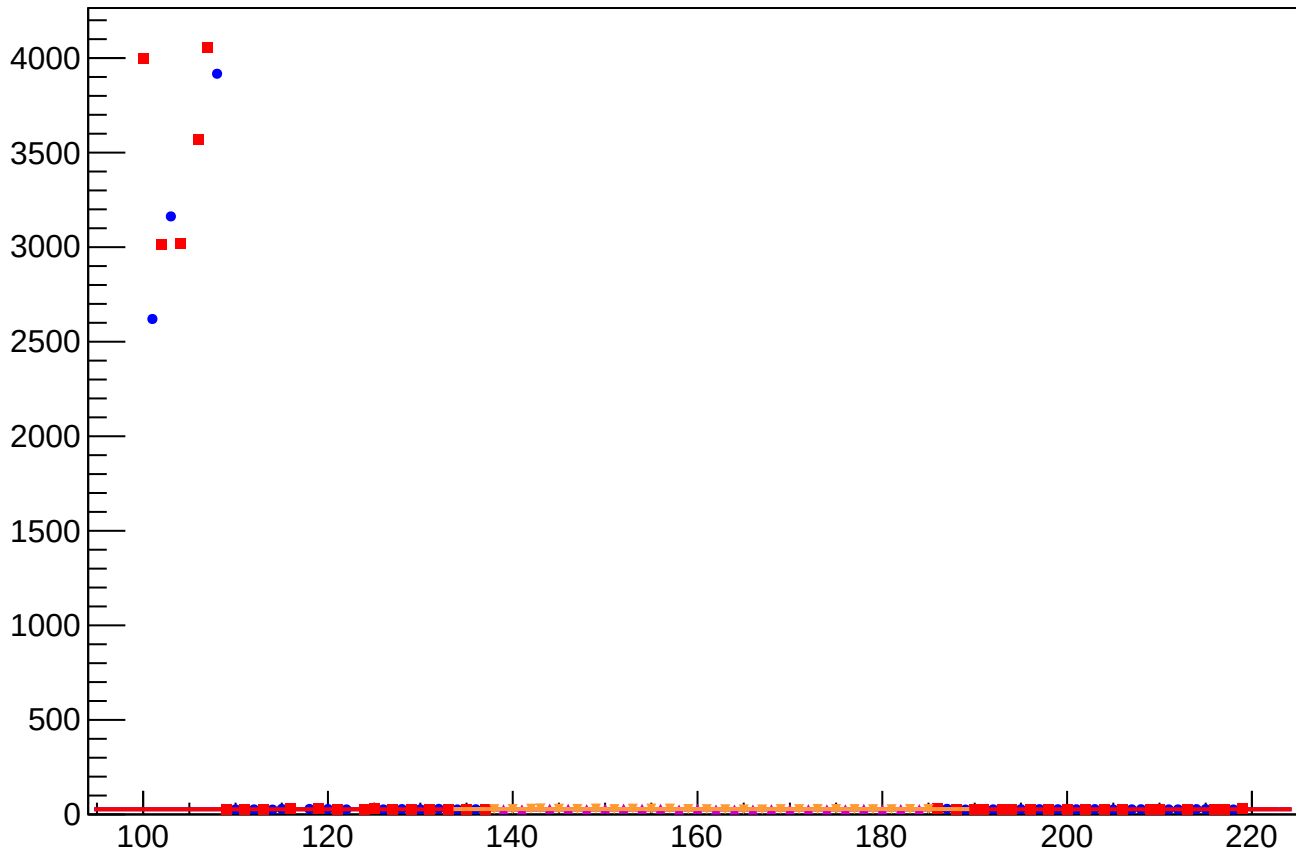
Left In: -2.172 $\pm$ 6.703 χ^2 /NDF: 28.3/22

+ sign -6.674 $\pm$ 4.549 χ^2 /NDF: 59.6/56

All: -4.407 $\pm$ 3.222 χ^2 /NDF: 131.7/116

- sign -2.125 $\pm$ 4.565 χ^2 /NDF: 71.6/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.370 $\pm$ 0.004 χ^2 /NDF: 3287250.6/31

Left Out: 28.586 $\pm$ 0.005 χ^2 /NDF: 88130.9/24

Right Out: 27.456 $\pm$ 0.004 χ^2 /NDF: 3623757.3/36

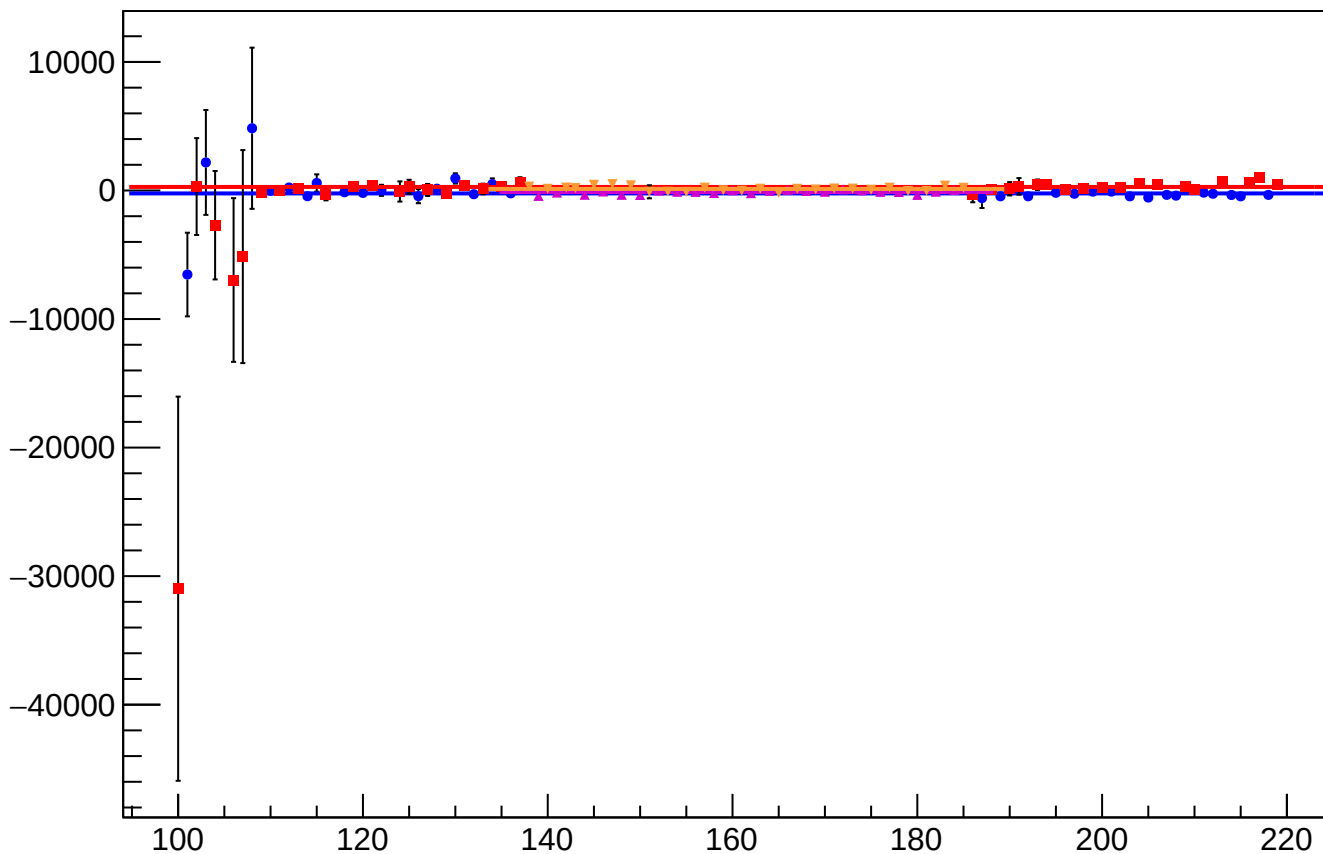
Left In: 28.606 $\pm$ 0.005 χ^2 /NDF: 122928.2/22

+ sign 27.963 $\pm$ 0.003 χ^2 /NDF: 3411083.7/56

All: 27.976 $\pm$ 0.002 χ^2 /NDF: 7189358.3/116

- sign 27.989 $\pm$ 0.003 χ^2 /NDF: 3778242.1/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -227.501 ± 41.691 χ^2/NDF : 35.9/31

Left Out: 121.915 ± 46.825 χ^2/NDF : 12.0/24

Right Out: 276.985 ± 41.228 χ^2/NDF : 47.4/36

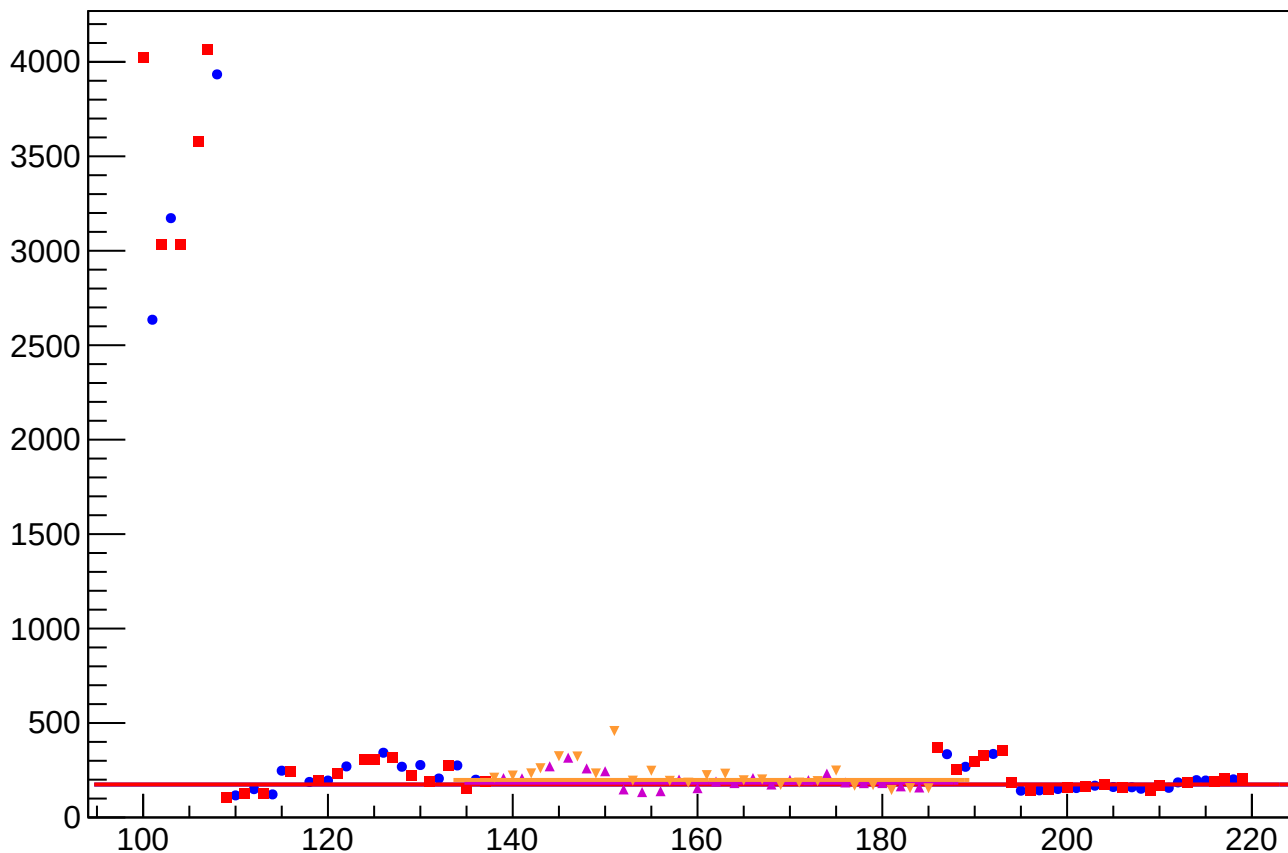
Left In: -116.243 ± 44.786 χ^2/NDF : 8.4/22

+ sign -72.993 ± 31.137 χ^2/NDF : 79.0/56

All: 14.029 ± 21.727 χ^2/NDF : 191.7/116

- sign 96.610 ± 30.332 χ^2/NDF : 97.5/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.010 $\pm$ 0.029 χ^2 /NDF: 4983632.2/31

Left Out: 198.571 $\pm$ 0.033 χ^2 /NDF:1901504.1/24

Right Out: 174.713 $\pm$ 0.029 χ^2 /NDF: 5713117.1/36

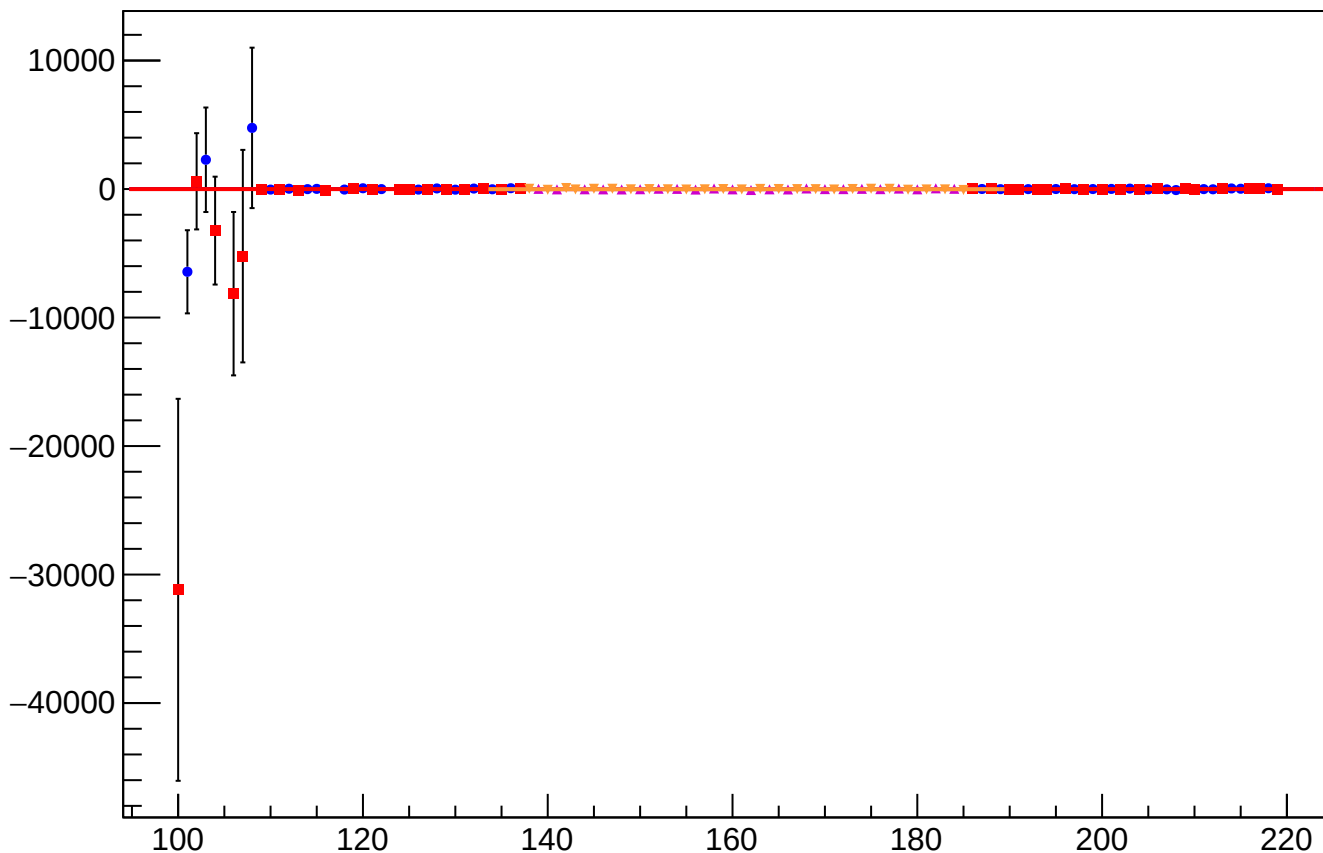
Left In: 184.051 $\pm$ 0.032 χ^2 /NDF:1445426.0/22

+ sign 184.871 $\pm$ 0.022 χ^2 /NDF: 7192057.8/56

All: 181.856 $\pm$ 0.015 χ^2 /NDF: 14434193.4/11

- sign 178.996 $\pm$ 0.021 χ^2 /NDF: 7205609.5/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 1.777 $\pm$ 6.318 χ^2 /NDF: 38.2/31

Left Out: -11.862 $\pm$ 6.541 χ^2 /NDF: 17.9/24

Right Out: -3.309 $\pm$ 6.198 χ^2 /NDF: 41.4/36

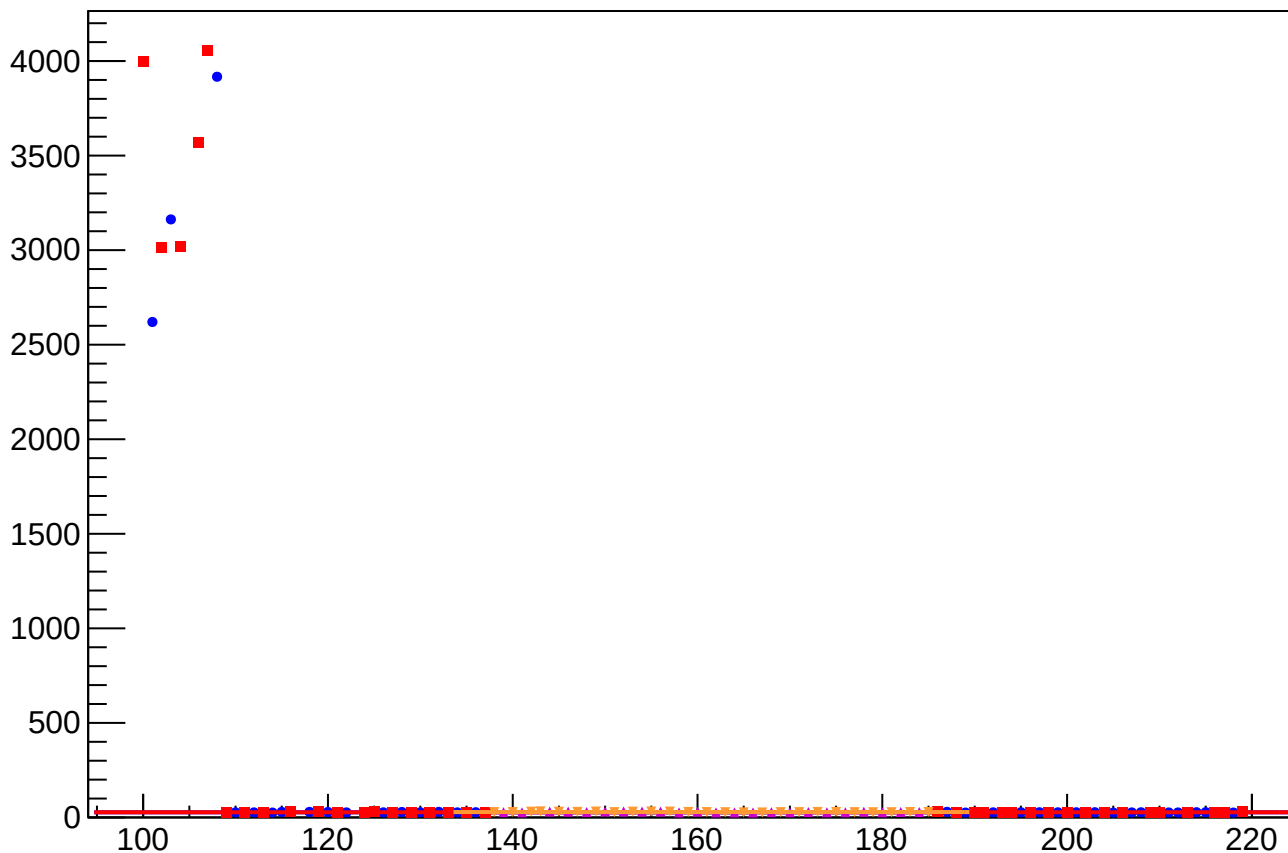
Left In: -2.576 $\pm$ 6.732 χ^2 /NDF: 22.2/22

+ sign -4.807 $\pm$ 4.544 χ^2 /NDF: 58.3/56

All: -3.893 $\pm$ 3.219 χ^2 /NDF: 122.0/116

- sign -2.973 $\pm$ 4.560 χ^2 /NDF: 63.6/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.196 $\pm$ 0.004 χ^2 /NDF: 3295459.4/31

Left Out: 28.707 $\pm$ 0.005 χ^2 /NDF: 98865.9/24

Right Out: 27.302 $\pm$ 0.004 χ^2 /NDF: 3626140.8/36

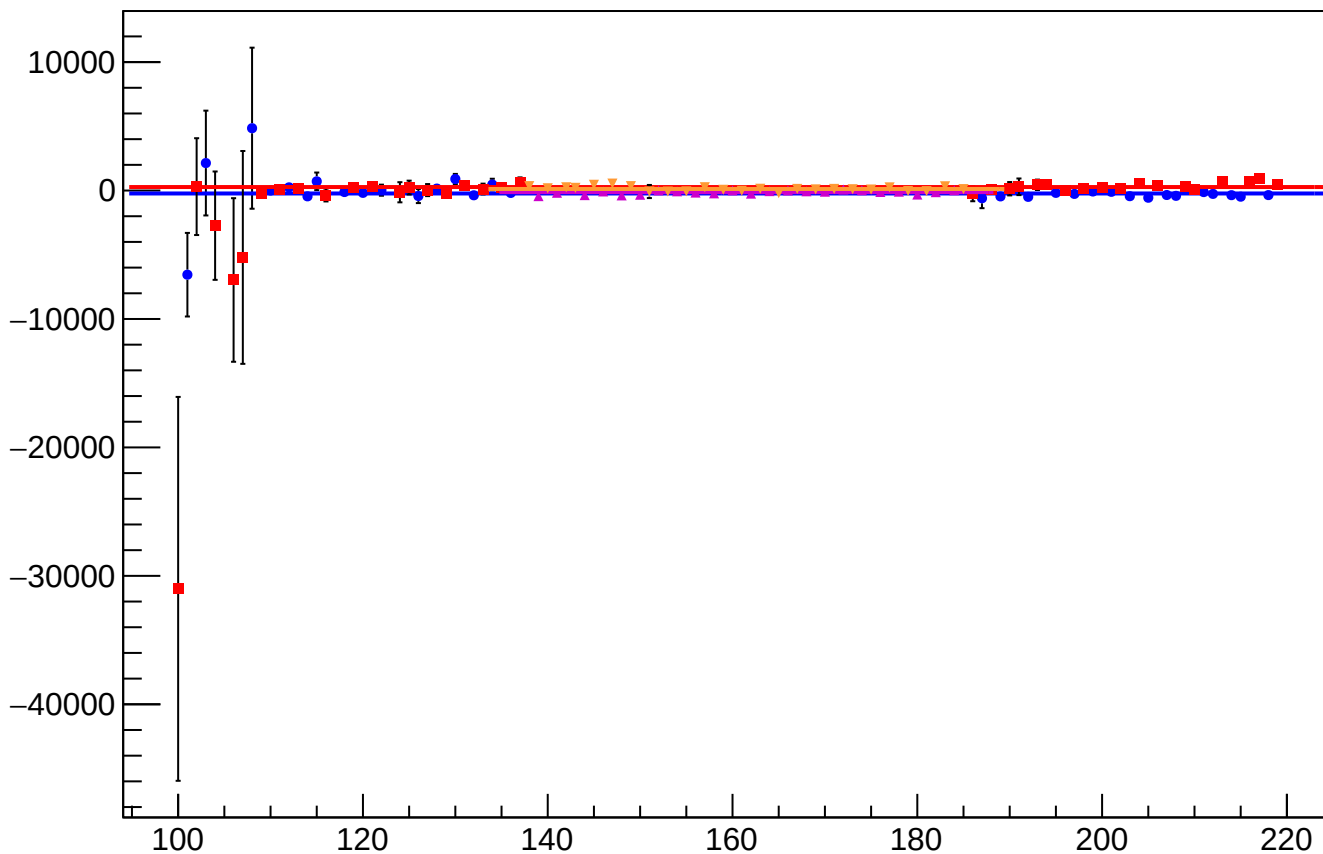
Left In: 28.728 $\pm$ 0.005 χ^2 /NDF: 127383.0/22

+ sign 27.925 $\pm$ 0.003 χ^2 /NDF: 3449595.5/56

All: 27.941 $\pm$ 0.002 χ^2 /NDF: 7251717.3/116

- sign 27.956 $\pm$ 0.003 χ^2 /NDF: 3802076.5/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -228.794 ± 41.986 χ^2/NDF : 37.4/31

Left Out: 122.864 ± 47.300 χ^2/NDF : 11.3/24

Right Out: 271.844 ± 41.536 χ^2/NDF : 44.9/36

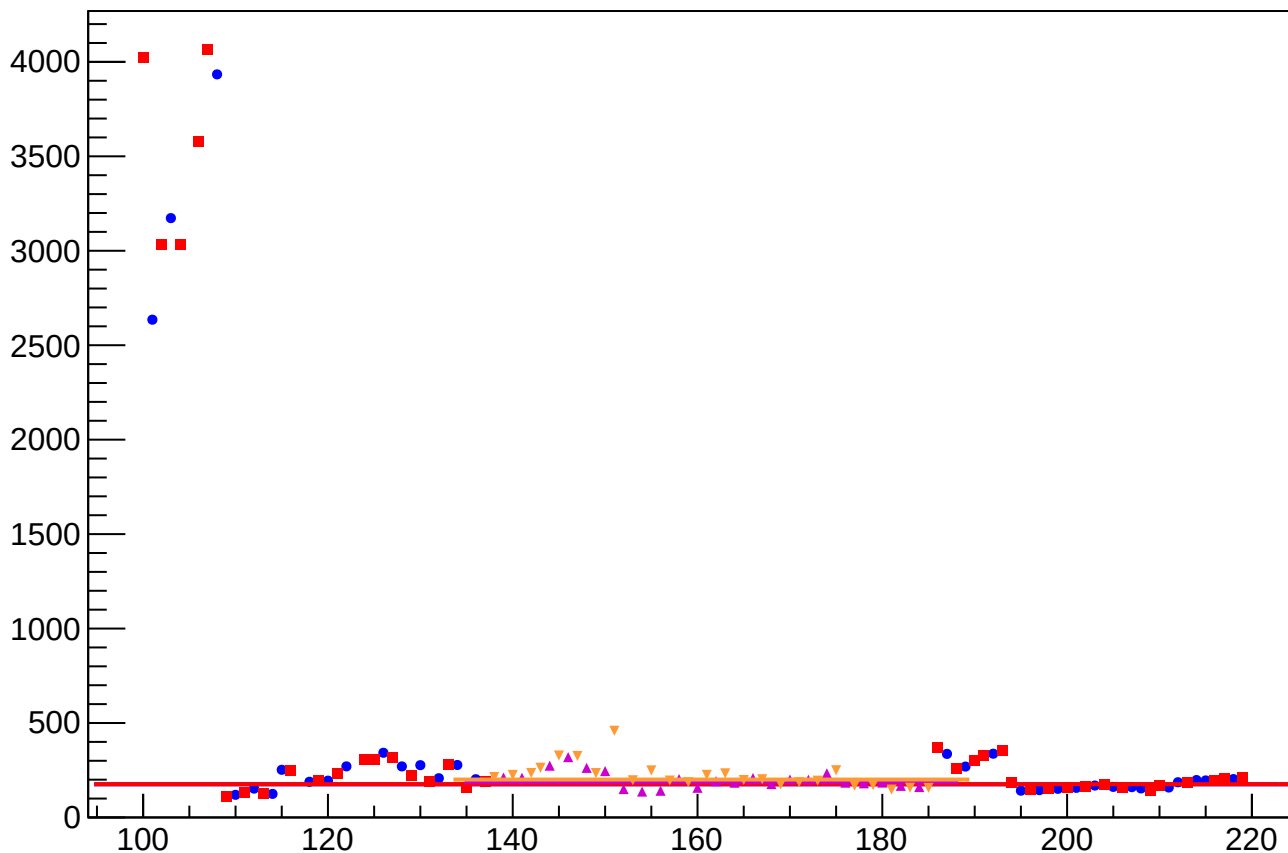
Left In: -123.046 ± 45.269 χ^2/NDF : 8.5/22

+ sign -73.819 ± 31.400 χ^2/NDF : 79.7/56

All: 10.882 ± 21.917 χ^2/NDF : 188.5/116

- sign 91.350 ± 30.605 χ^2/NDF : 94.7/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 175.349 $\pm$ 0.030 χ^2 /NDF: 4946146.4/31

Left Out: 200.686 $\pm$ 0.033 χ^2 /NDF:1880083.2/24

Right Out: 176.191 $\pm$ 0.029 χ^2 /NDF: 5648247.0/36

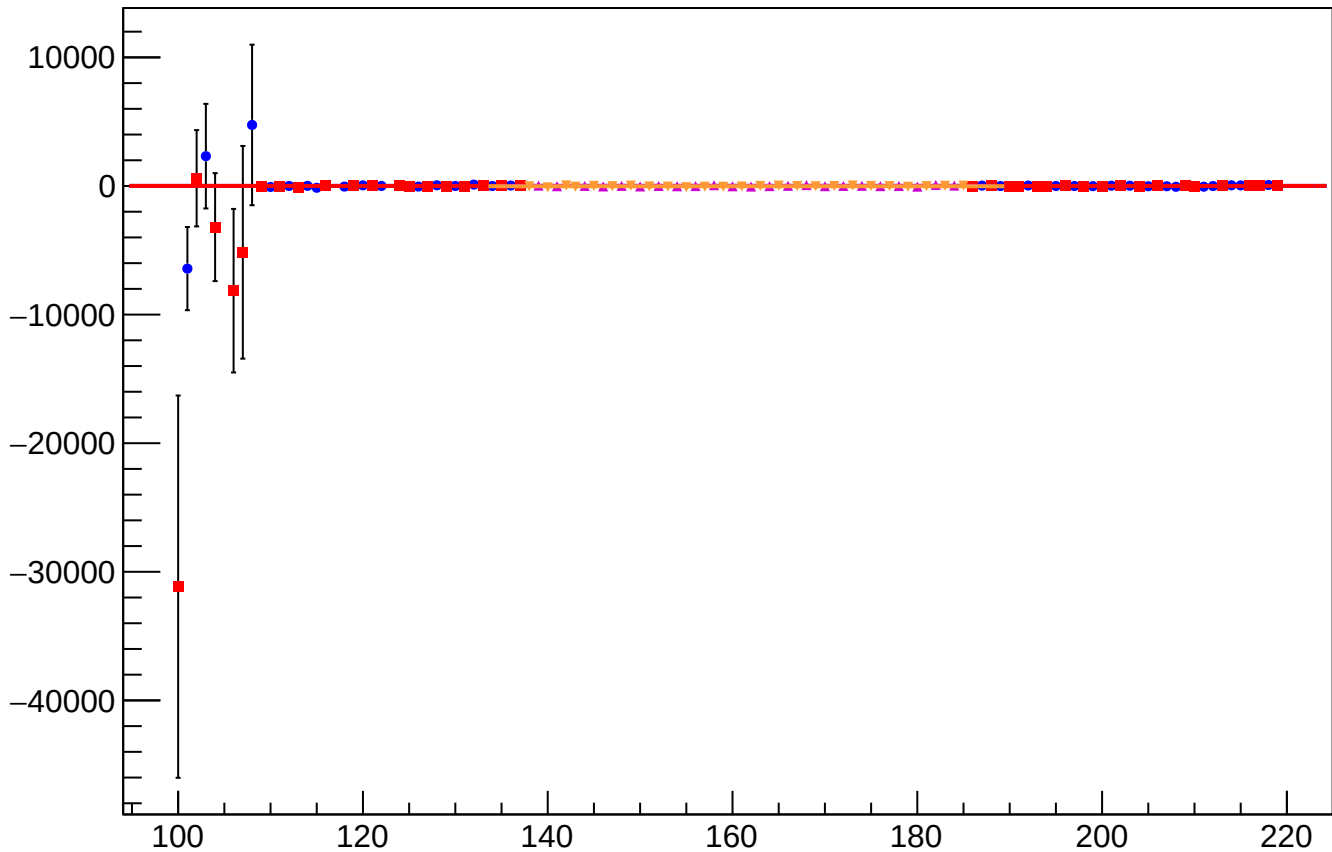
Left In: 186.169 $\pm$ 0.032 χ^2 /NDF:1413387.1/22

+ sign 186.515 $\pm$ 0.022 χ^2 /NDF: 7147194.2/56

All: 183.560 $\pm$ 0.015 χ^2 /NDF: 14296125.7/11

- sign 180.752 $\pm$ 0.022 χ^2 /NDF: 7114383.7/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.785 $\pm$ 7.708 χ^2 /NDF: 34.2/31

Left Out: -21.228 $\pm$ 7.835 χ^2 /NDF:22.9/24

Right Out: 6.079 $\pm$ 7.555 χ^2 /NDF: 39.3/36

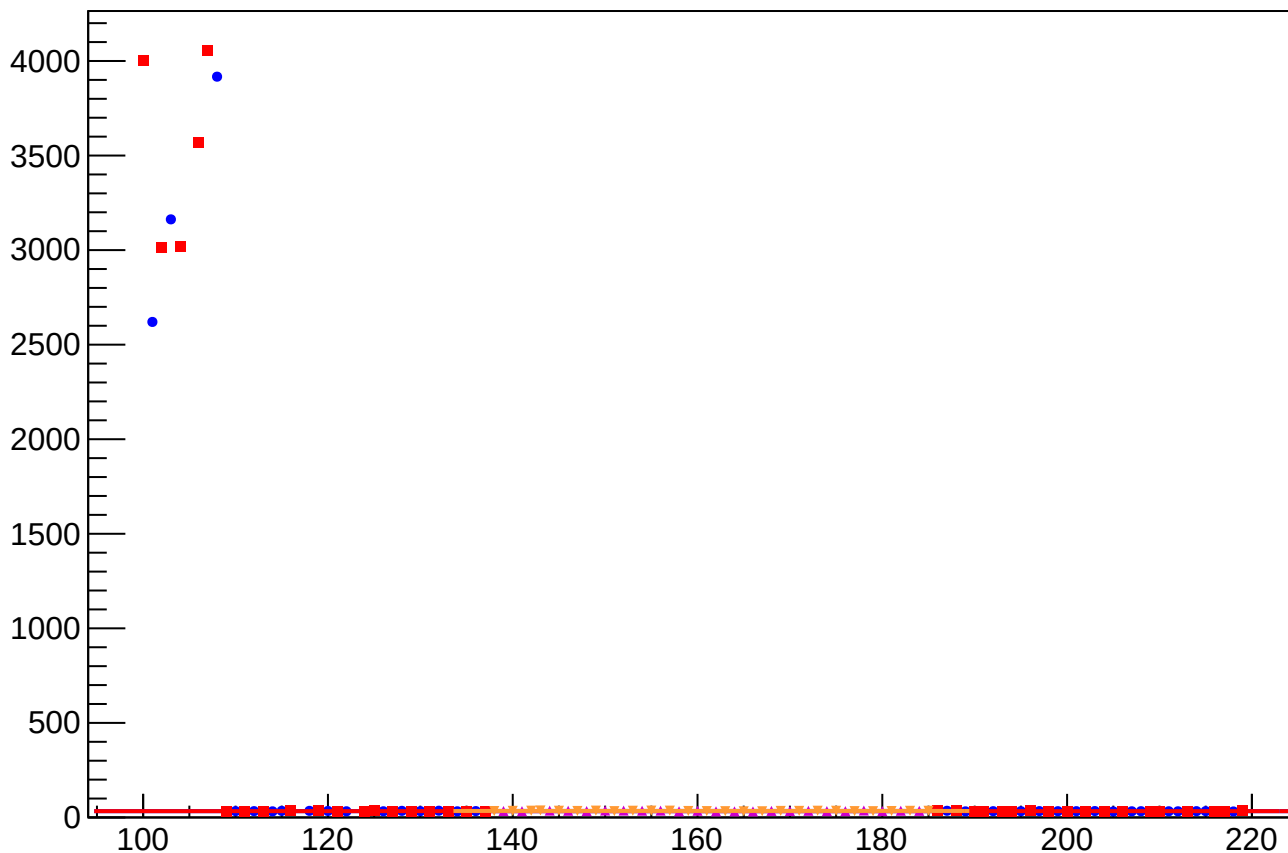
Left In: 4.029 $\pm$ 8.083 χ^2 /NDF:18.9/22

+ sign -6.992 $\pm$ 5.495 χ^2 /NDF: 63.7/56

All: -0.962 $\pm$ 3.894 χ^2 /NDF: 124.3/116

- sign 5.123 $\pm$ 5.520 χ^2 /NDF: 58.2/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.210 $\pm$ 0.005 χ^2 /NDF: 3261405.7/31

Left Out: 34.439 $\pm$ 0.006 χ^2 /NDF: 44686.3/24

Right Out: 33.331 $\pm$ 0.005 χ^2 /NDF: 3563378.2/36

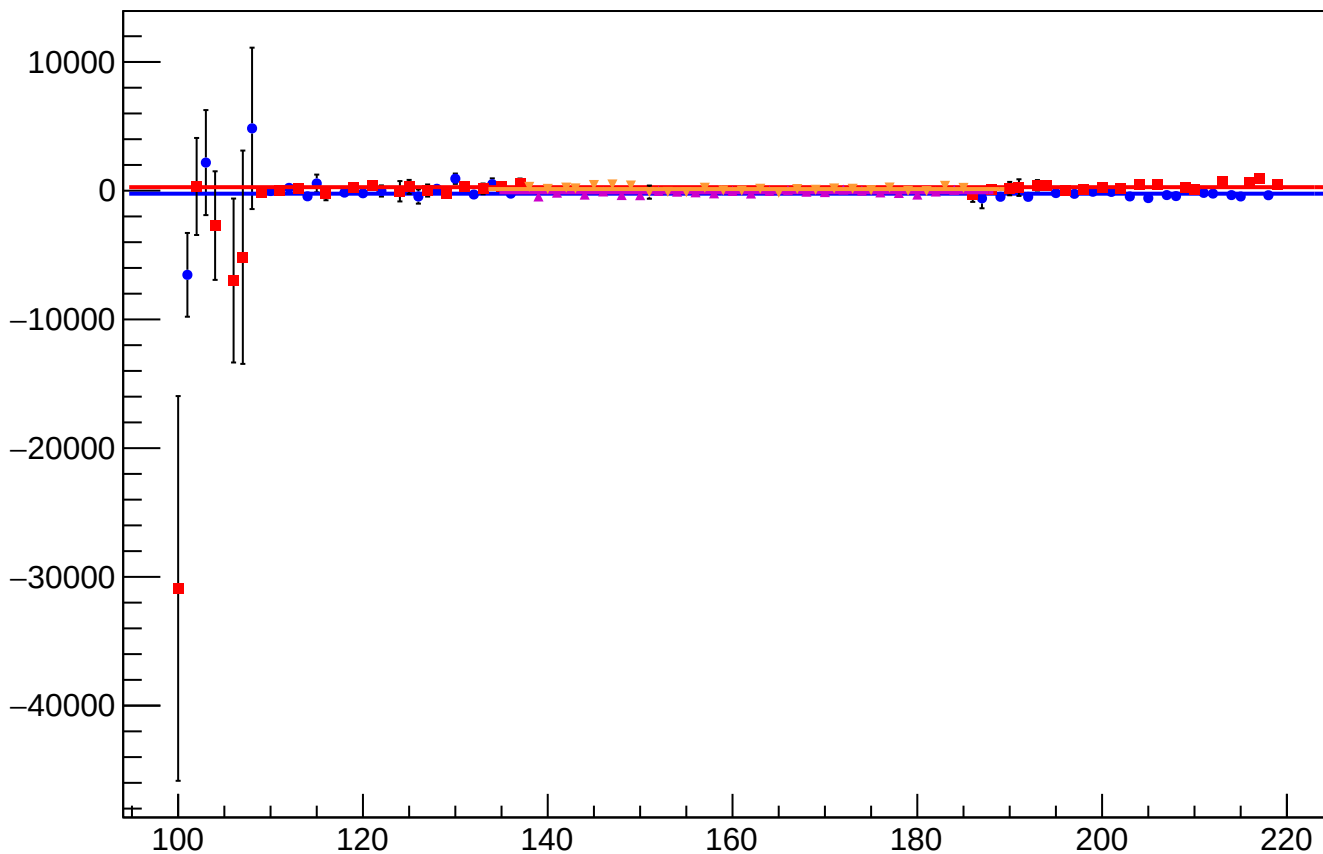
Left In: 34.552 $\pm$ 0.006 χ^2 /NDF: 59280.9/22

+ sign 33.814 $\pm$ 0.004 χ^2 /NDF: 3331089.7/56

All: 33.857 $\pm$ 0.003 χ^2 /NDF: 6978358.5/116

- sign 33.900 $\pm$ 0.004 χ^2 /NDF: 3647024.8/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -231.911 ± 41.863 χ^2/NDF : 36.0/31

Left Out: 127.689 ± 47.228 χ^2/NDF : 11.6/24

Right Out: 273.965 ± 41.392 χ^2/NDF : 45.7/36

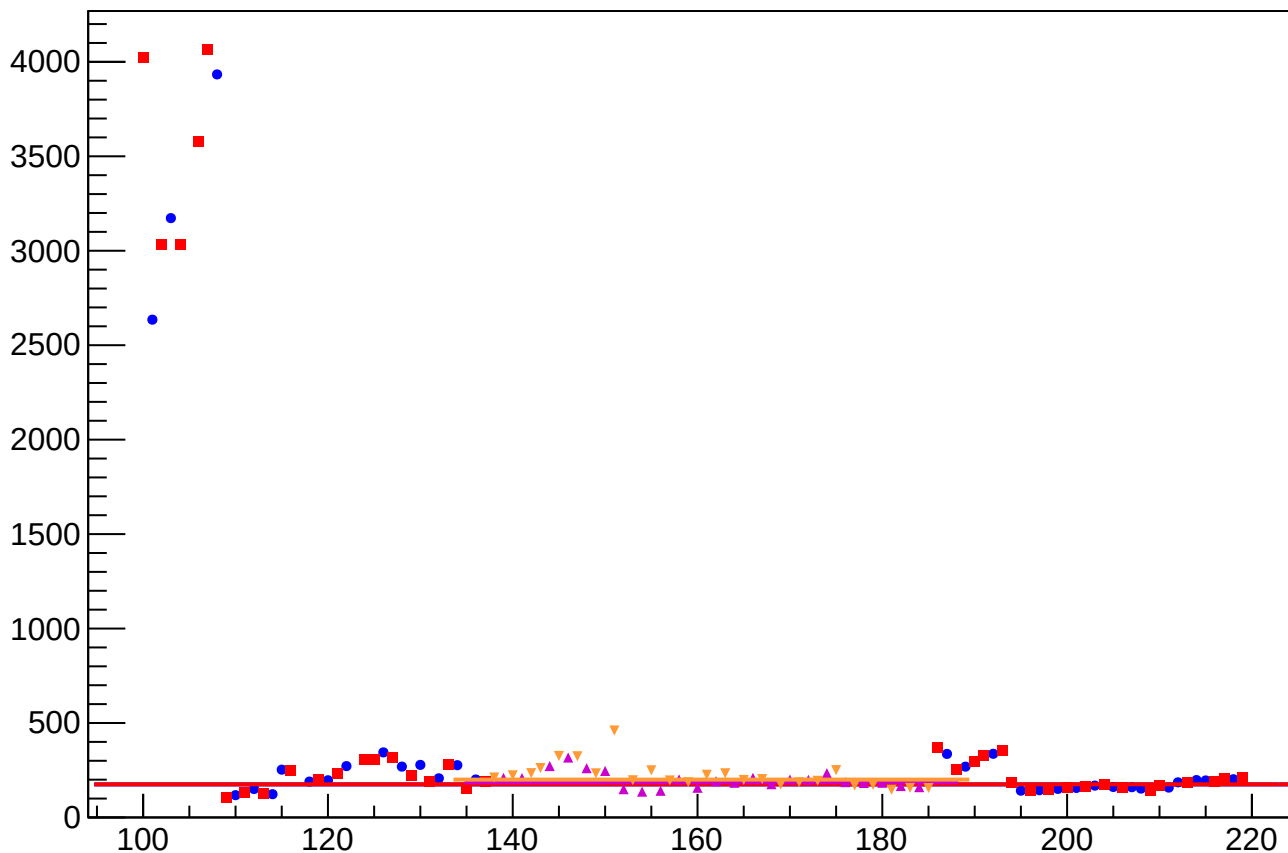
Left In: -122.809 ± 45.199 χ^2/NDF : 8.0/22

+ sign -73.687 ± 31.327 χ^2/NDF : 80.1/56

All: 11.810 ± 21.863 χ^2/NDF : 190.2/116

- sign 92.987 ± 30.526 χ^2/NDF : 95.6/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 174.750 $\pm$ 0.030 χ^2 /NDF: 4977337.0/31

Left Out: 200.372 $\pm$ 0.033 χ^2 /NDF: 1876533.6/24

Right Out: 175.448 $\pm$ 0.029 χ^2 /NDF: 5700465.6/36

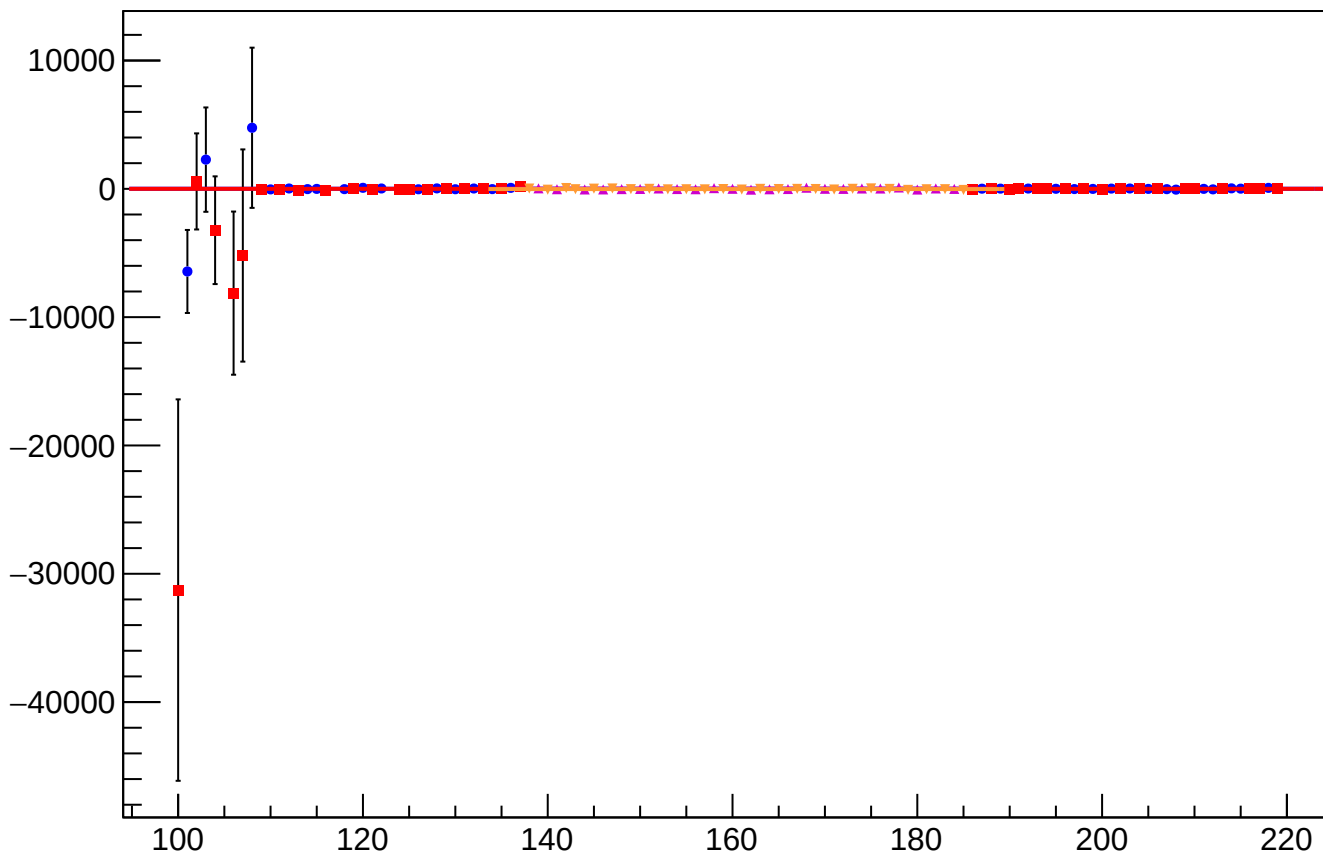
Left In: 185.871 $\pm$ 0.032 χ^2 /NDF: 1405525.2/22

+ sign 186.024 $\pm$ 0.022 χ^2 /NDF: 7183503.0/56

All: 183.038 $\pm$ 0.015 χ^2 /NDF: 14382771.5/11

- sign 180.202 $\pm$ 0.022 χ^2 /NDF: 7163840.4/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 7.404 $\pm$ 6.970 χ^2 /NDF: 31.4/31

Left Out: -18.581 $\pm$ 7.135 χ^2 /NDF:20.4/24

Right Out: 2.467 $\pm$ 6.833 χ^2 /NDF: 46.5/36

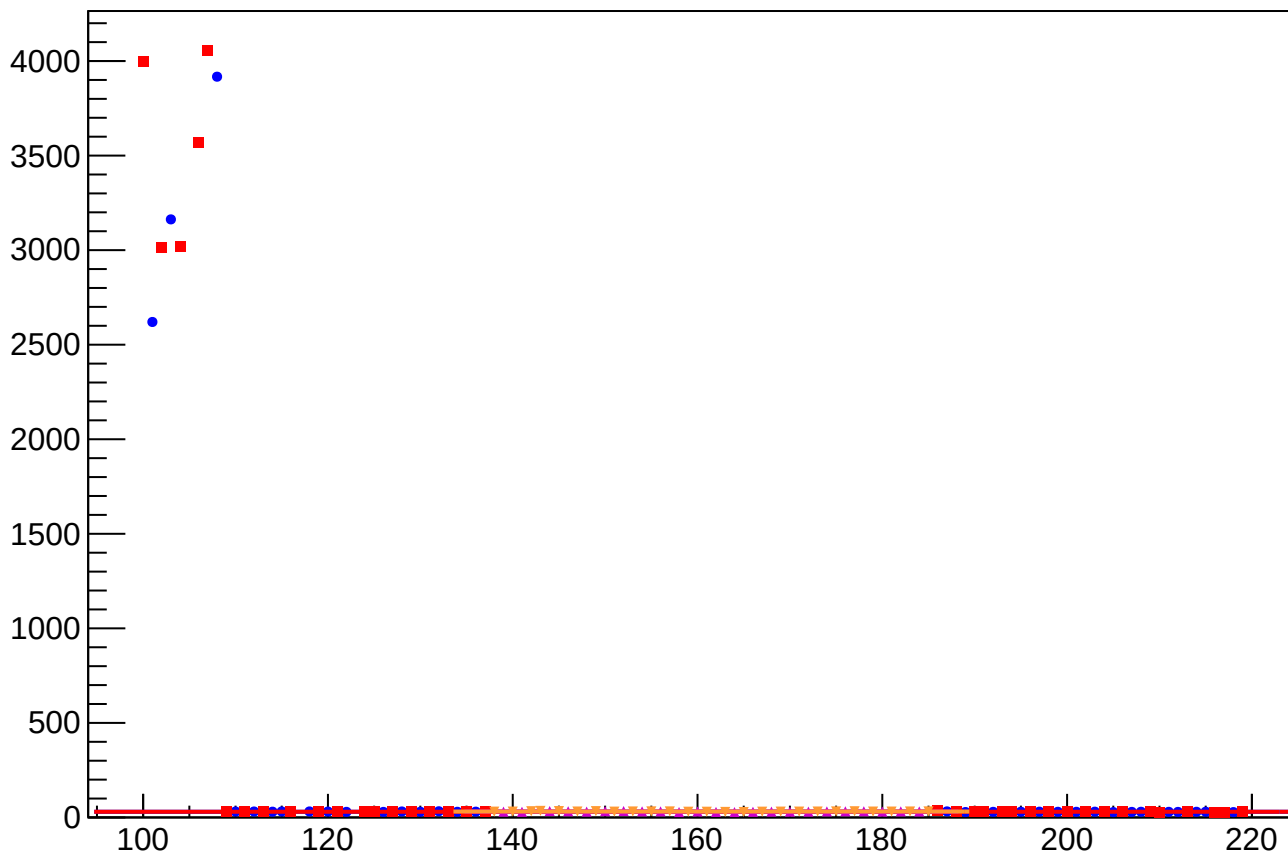
Left In: 2.709 $\pm$ 7.348 χ^2 /NDF:35.5/22

+ sign -5.284 $\pm$ 4.986 χ^2 /NDF: 58.6/56

All: -1.367 $\pm$ 3.532 χ^2 /NDF: 141.8/116

- sign 2.579 $\pm$ 5.004 χ^2 /NDF: 82.0/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.009 $\pm$ 0.005 χ^2 /NDF: 3282541.3/31

Left Out: 31.340 $\pm$ 0.005 χ^2 /NDF: 63017.9/24

Right Out: 30.122 $\pm$ 0.005 χ^2 /NDF: 3590189.8/36

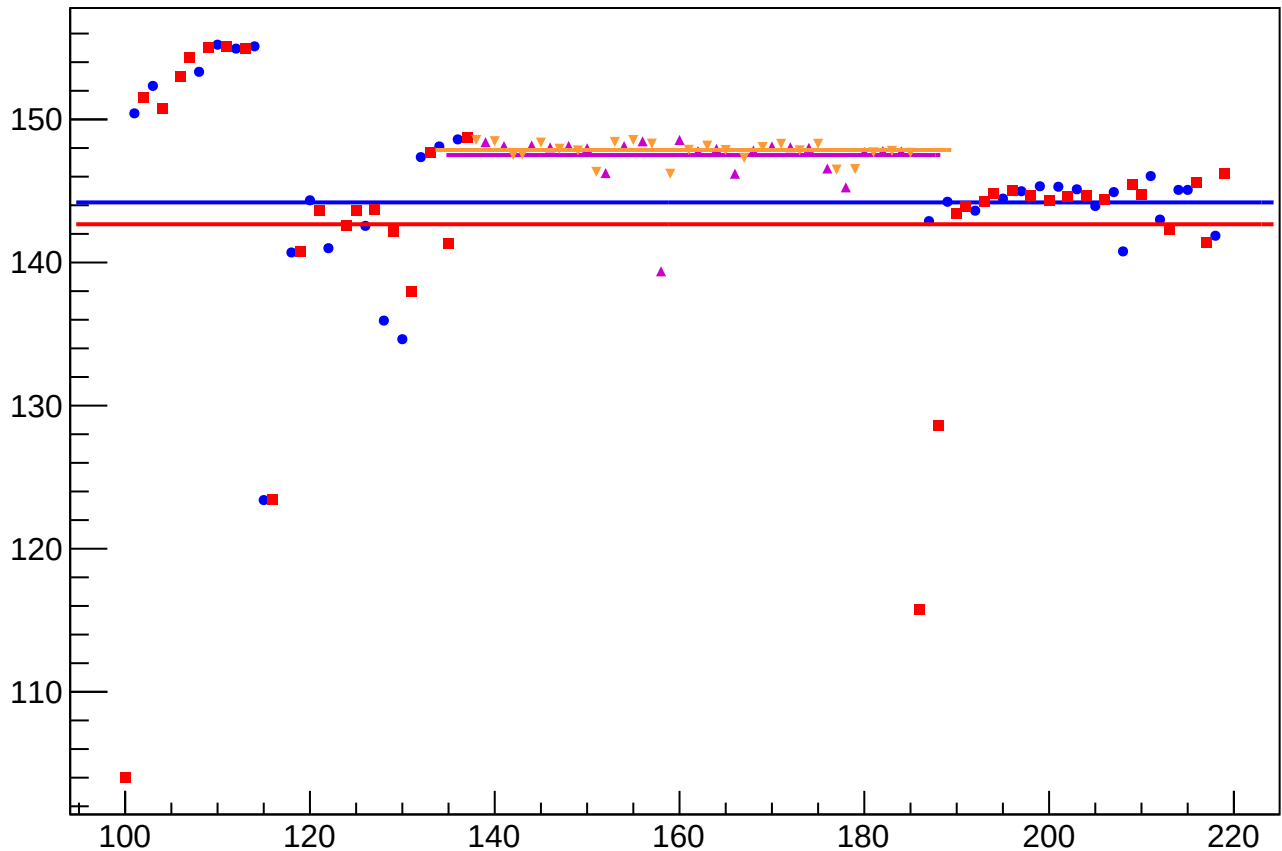
Left In: 31.379 $\pm$ 0.005 χ^2 /NDF: 85229.7/22

+ sign 30.659 $\pm$ 0.004 χ^2 /NDF: 3381147.8/56

All: 30.682 $\pm$ 0.002 χ^2 /NDF: 7088069.0/116

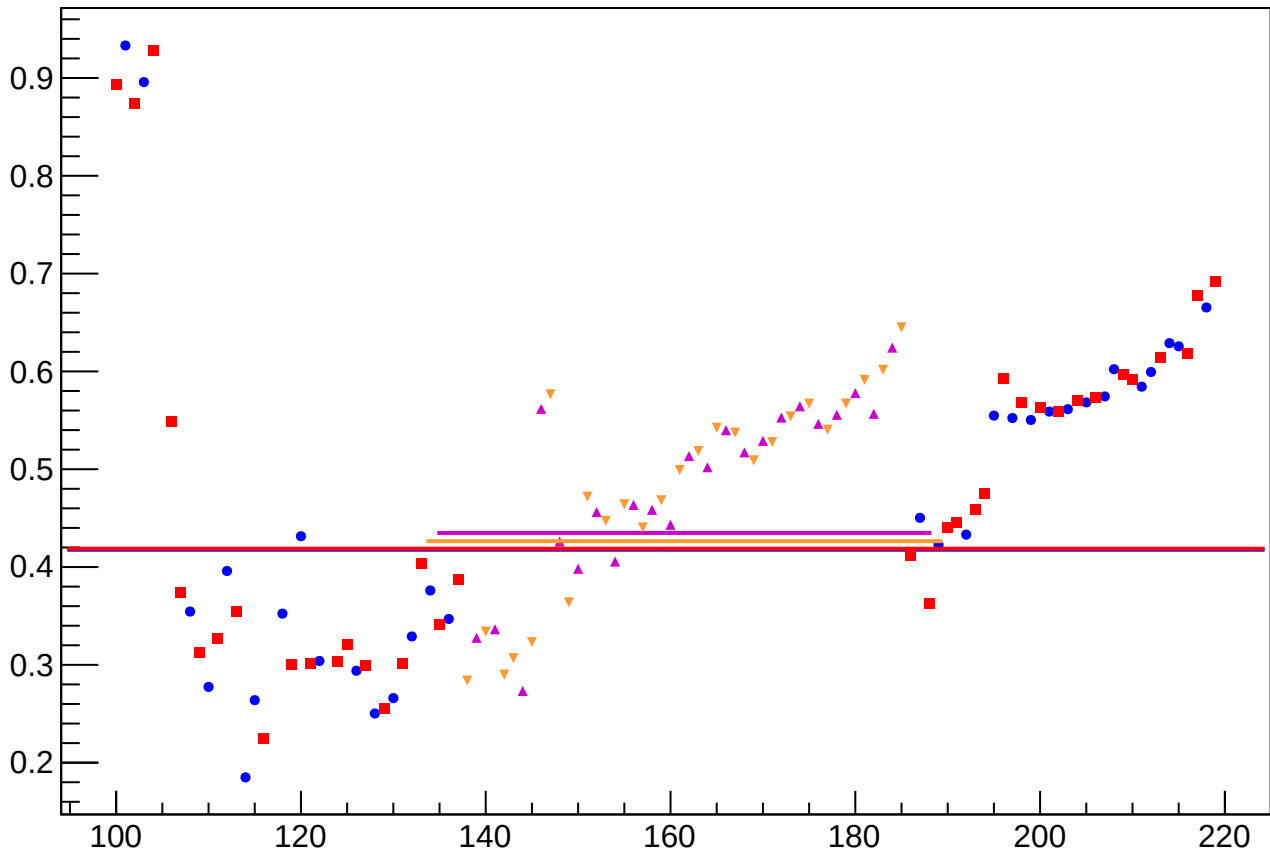
- sign 30.705 $\pm$ 0.004 χ^2 /NDF: 3706836.2/59

yield_bcm_target_mean vs Slug



Right In: 144.200 $\pm$ 0.000	χ^2 /NDF: 3792178903.4/31	+ sign 146.028 $\pm$ 0.000	χ^2 /NDF: 4489695347.1/56
Left Out: 147.864 $\pm$ 0.000	χ^2 /NDF: 44922014.2/24	All: 145.465 $\pm$ 0.000	χ^2 /NDF: 13669659392.0/100
Right Out: 142.674 $\pm$ 0.000	χ^2 /NDF: 7622854033.0/36	- sign 144.899 $\pm$ 0.000	χ^2 /NDF: 9056195620.8/59
Left In: 147.511 $\pm$ 0.000	χ^2 /NDF: 306421789.5/22		

yield_bcm_target_rms vs Slug



Right In: 0.418 $\pm$ 0.000 χ^2 /NDF: 4255601.5/31

Left Out: 0.426 $\pm$ 0.000 χ^2 /NDF:2259192.5/24

Right Out: 0.419 $\pm$ 0.000 χ^2 /NDF: 4183388.8/36

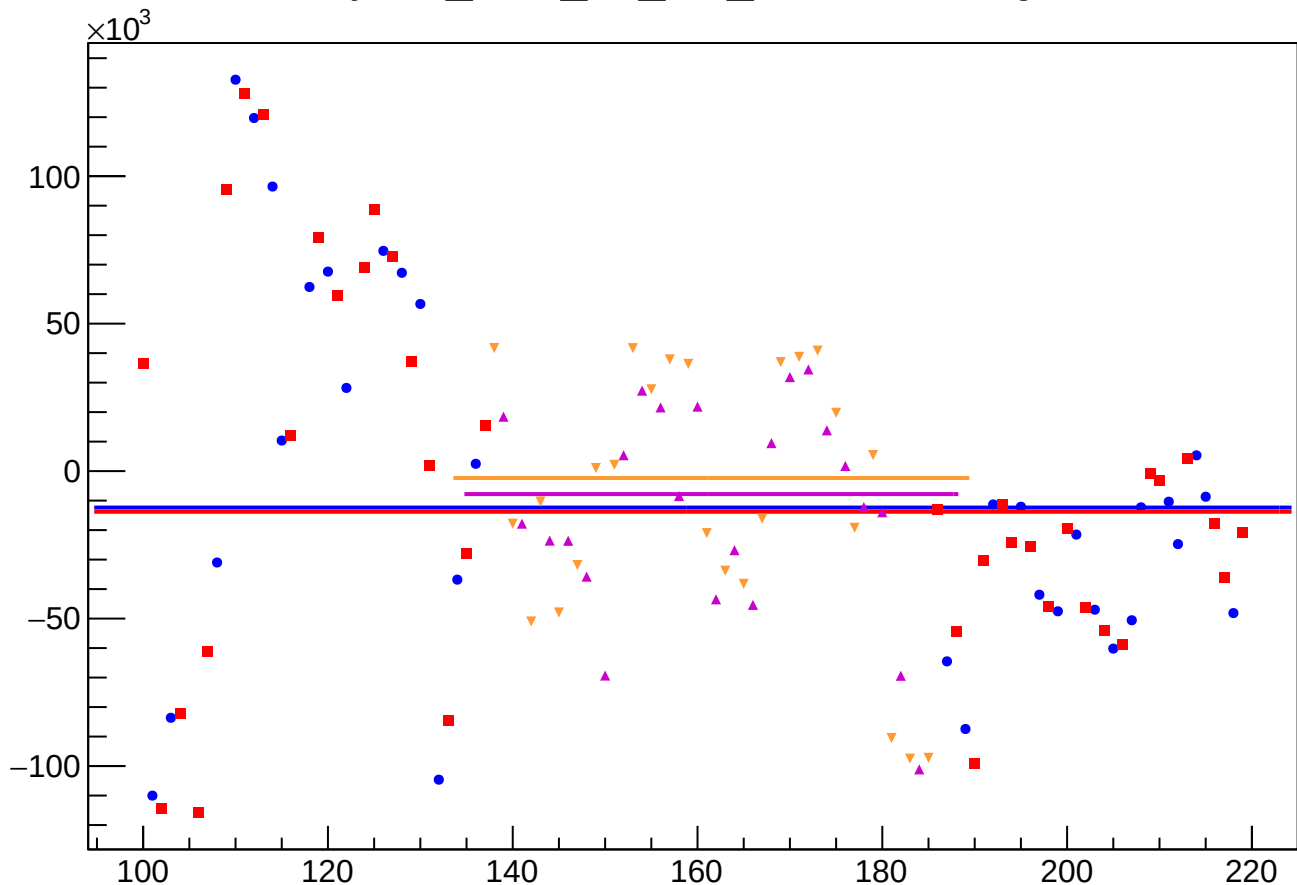
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1774903.7/22

+ sign 0.422 $\pm$ 0.000 χ^2 /NDF: 6522124.0/56

All: 0.424 $\pm$ 0.000 χ^2 /NDF: 12508803.6/116

- sign 0.426 $\pm$ 0.000 χ^2 /NDF: 5983450.8/59

yield_bcm_an_diff_mean vs Slug



Right In: -12358.442 ± 1.238 χ^2/NDF : 1975832758.1/31

Left Out: -2344.855 ± 1.123 χ^2/NDF : 1230029339.6/24

Right Out: -13784.514 ± 1.168 χ^2/NDF : 2418104833.2/36

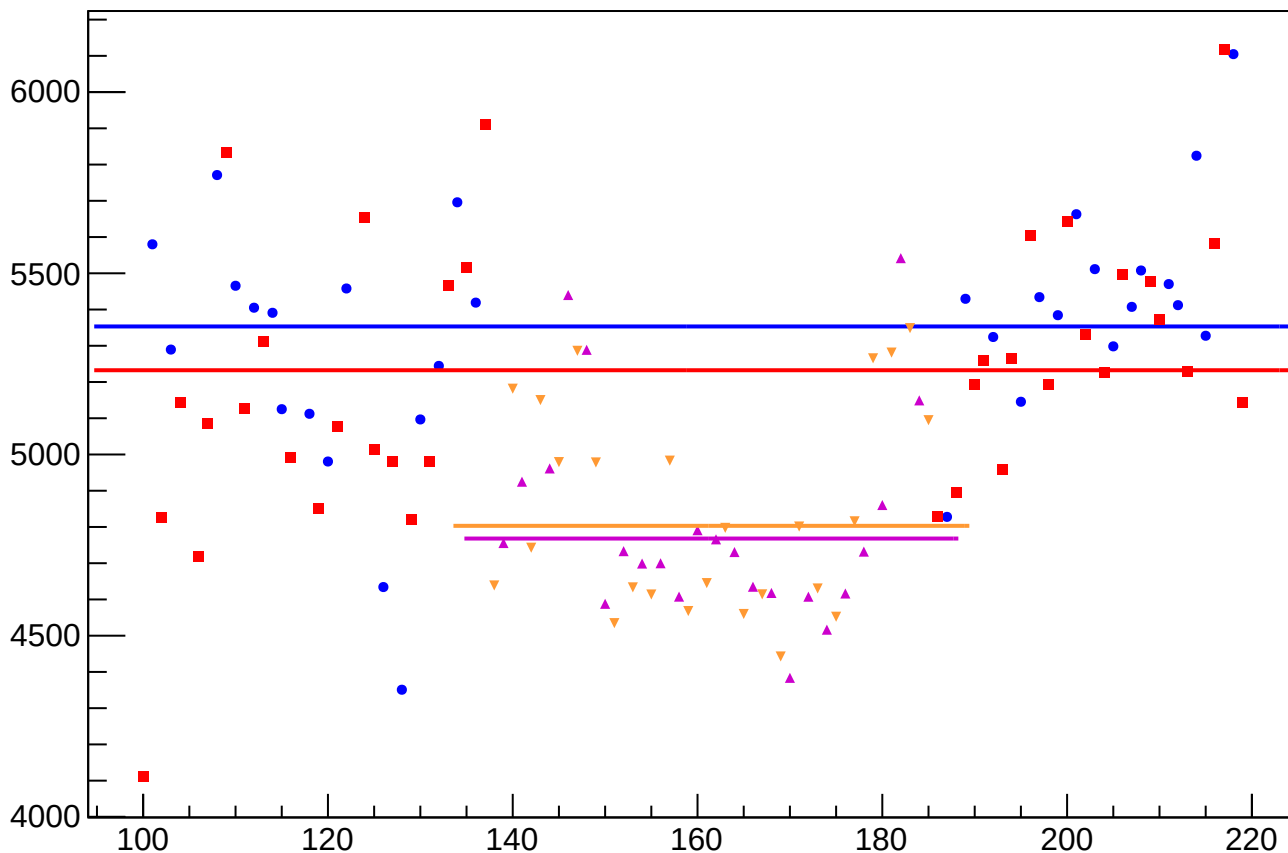
Left In: -7787.808 ± 1.145 χ^2/NDF : 762496621.5/22

+ sign -6866.941 ± 0.832 χ^2/NDF : 3241751602.0/5

All: -8829.570 ± 0.583 χ^2/NDF : 6446743318

- sign -10725.197 ± 0.818 χ^2/NDF : 3194047945.7/5

yield_bcm_an_diff_rms vs Slug



Right In: 5353.304 ± 0.875 $\chi^2/\text{NDF}: 139817.3/31$

Left Out: 4803.136 ± 0.794 $\chi^2/\text{NDF}: 114681.5/24$

Right Out: 5232.495 ± 0.826 $\chi^2/\text{NDF}: 153101.1/36$

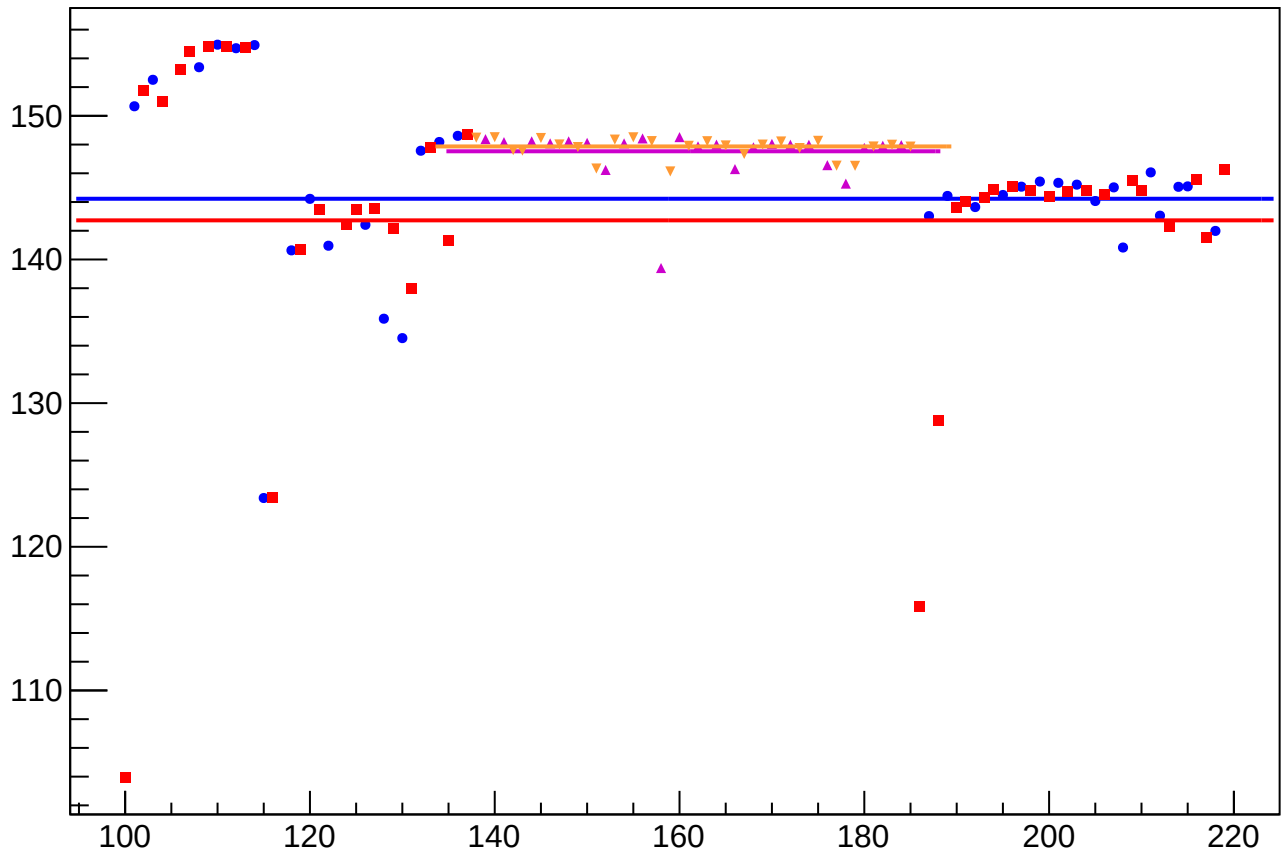
Left In: 4768.055 ± 0.809 $\chi^2/\text{NDF}: 102355.5/22$

+ sign 5051.589 ± 0.588 $\chi^2/\text{NDF}: 471173.1/56$

All: 5023.085 ± 0.412 $\chi^2/\text{NDF}: 892560.3/116$

- sign 4995.553 ± 0.578 $\chi^2/\text{NDF}: 416770.3/59$

yield_bcm_an_ds_mean vs Slug



Right In: 144.227 $\pm$ 0.000 χ^2 /NDF: 3832491396.0/31

Left Out: 147.870 $\pm$ 0.000 χ^2 /NDF: 44483332.4/24

+ sign 146.045 $\pm$ 0.000 χ^2 /NDF: 4528151362.3/56

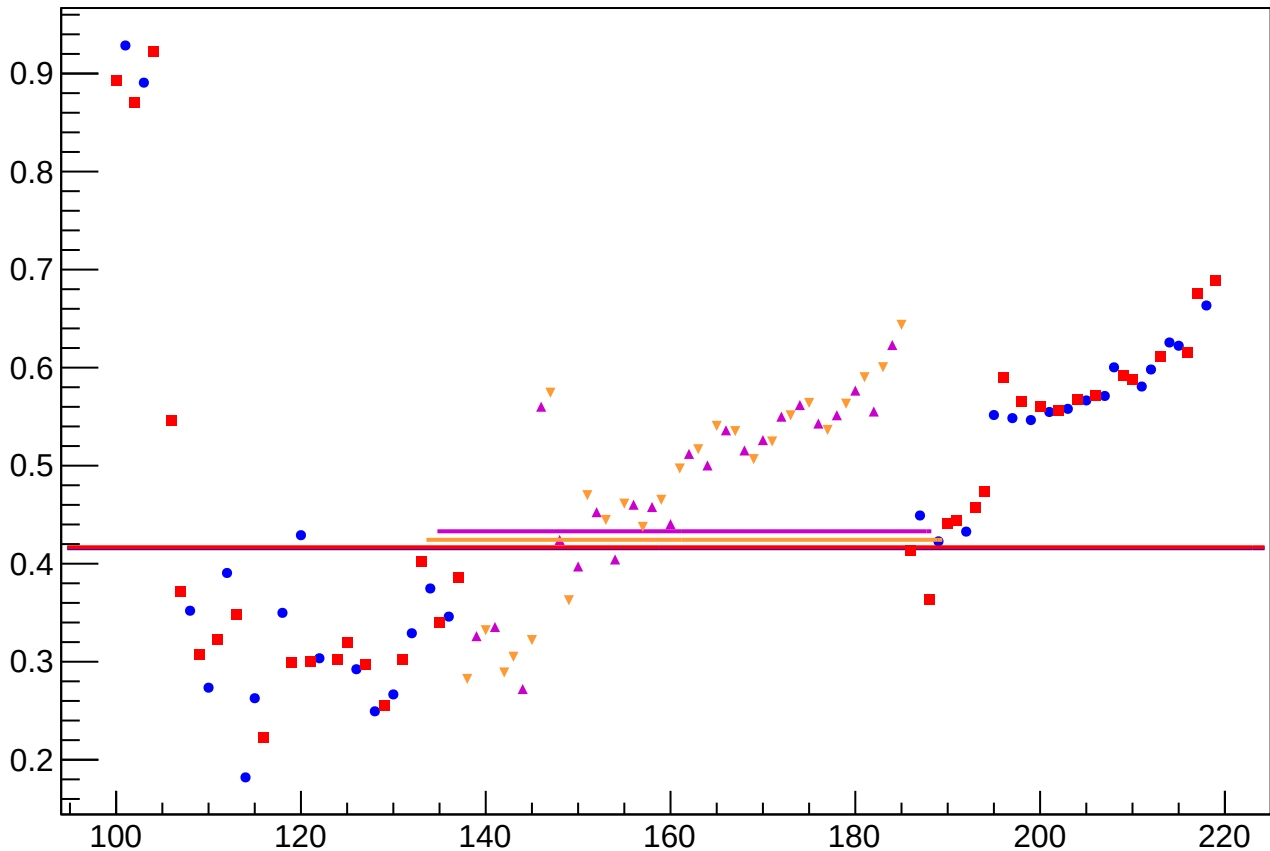
Right Out: 142.724 $\pm$ 0.000 χ^2 /NDF: 7597949626.3/36

All: 145.491 $\pm$ 0.000 χ^2 /NDF: 13677014427.

Left In: 147.532 $\pm$ 0.000 χ^2 /NDF: 307143604.6/22

- sign 144.935 $\pm$ 0.000 χ^2 /NDF: 9028136307.9/59

yield_bcm_an_ds_rms vs Slug



Right In: 0.416 $\pm$ 0.000 χ^2 /NDF: 4255513.1/31

Left Out: 0.424 $\pm$ 0.000 χ^2 /NDF:2260723.7/24

Right Out: 0.417 $\pm$ 0.000 χ^2 /NDF: 4191304.9/36

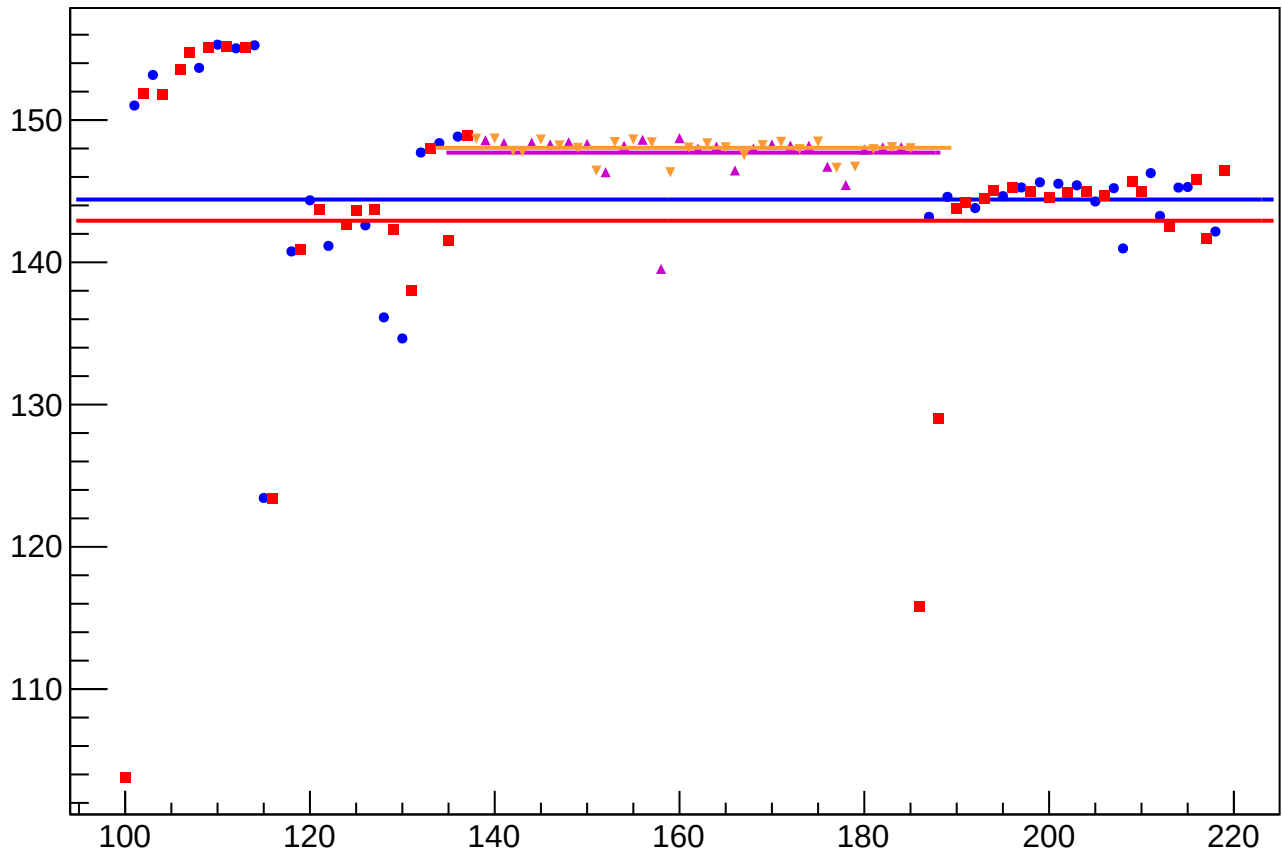
Left In: 0.433 $\pm$ 0.000 χ^2 /NDF:1771141.8/22

+ sign 0.420 $\pm$ 0.000 χ^2 /NDF: 6523465.8/56

All: 0.422 $\pm$ 0.000 χ^2 /NDF: 12515208.4/116

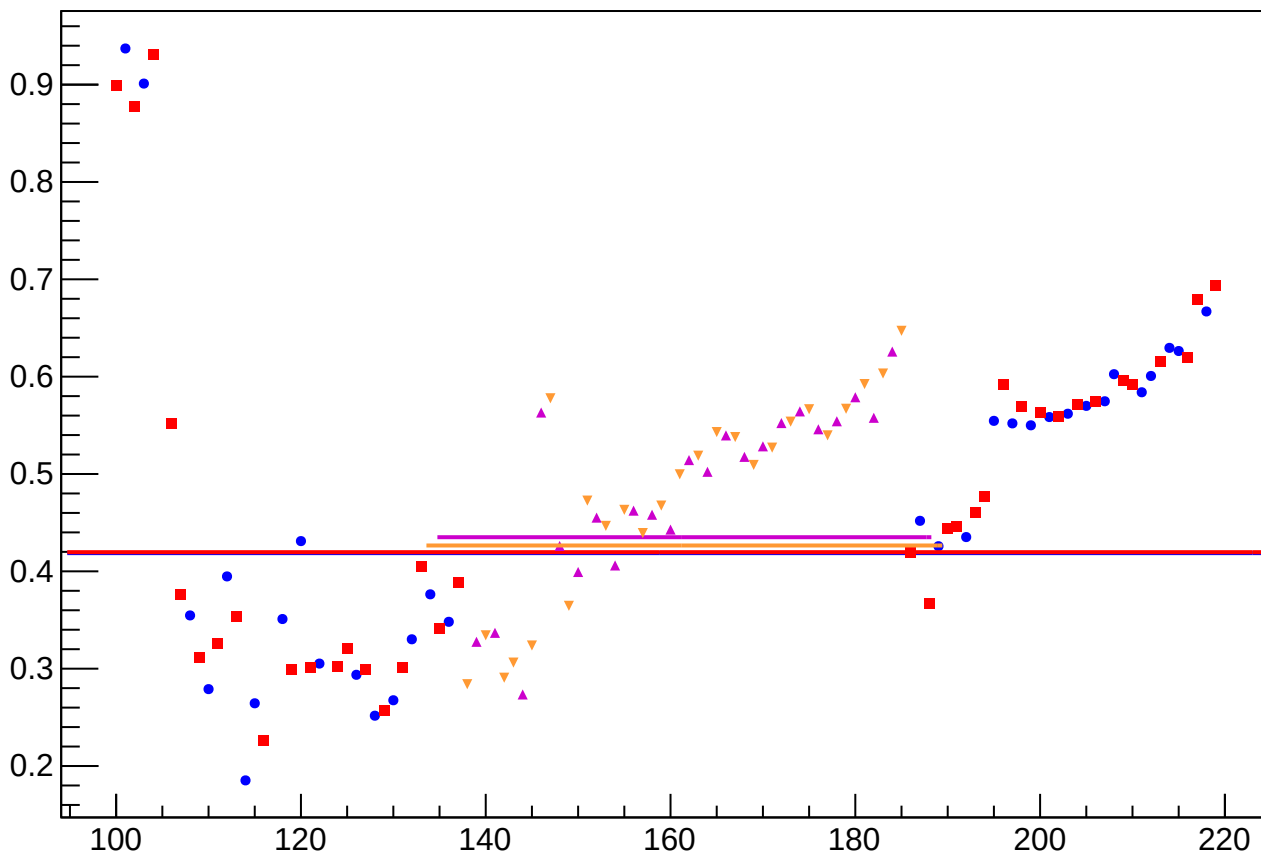
- sign 0.424 $\pm$ 0.000 χ^2 /NDF: 5988328.2/59

yield_bcm_an_ds3_mean vs Slug



Right In: 144.415 $\pm$ 0.000 χ^2 /NDF: 3826931414.6/31
 Left Out: 148.049 $\pm$ 0.000 χ^2 /NDF: 44901895.1/24
 Right Out: 142.925 $\pm$ 0.000 χ^2 /NDF: 7531789705.8/36
 Left In: 147.710 $\pm$ 0.000 χ^2 /NDF: 311841433.9/22
 All: 145.682 $\pm$ 0.000 χ^2 /NDF: 13573669372.
 + sign 146.231 $\pm$ 0.000 χ^2 /NDF: 4512546048.5/56
 - sign 145.131 $\pm$ 0.000 χ^2 /NDF: 8943846078.1/59

yield_bcm_an_ds3_rms vs Slug



Right In: 0.419 ± 0.000 χ^2/NDF : 4236819.8/31

Left Out: 0.427 ± 0.000 χ^2/NDF : 2257492.3/24

Right Out: 0.420 ± 0.000 χ^2/NDF : 4180624.7/36

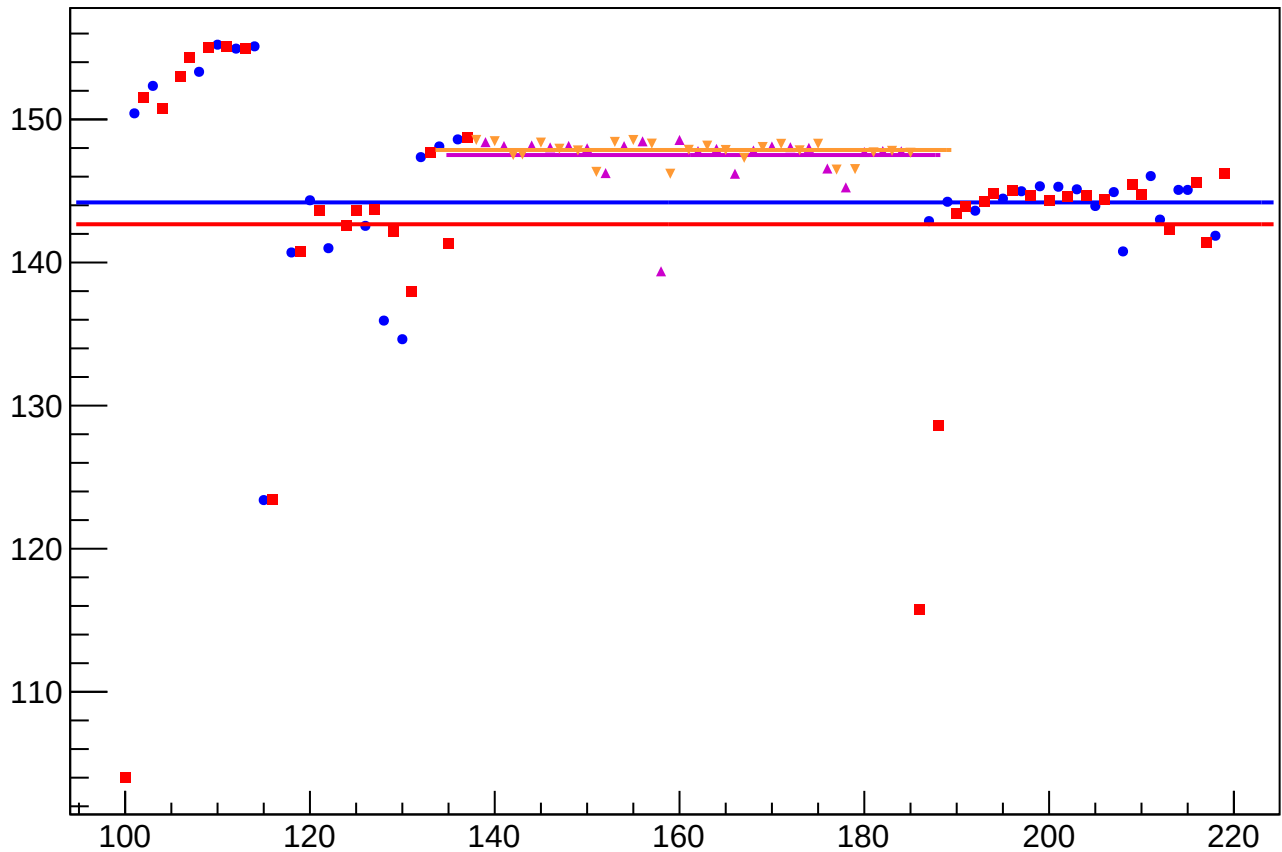
Left In: 0.435 ± 0.000 χ^2/NDF : 1769716.0/22

+ sign 0.423 ± 0.000 χ^2/NDF : 6500280.4/56

All: 0.425 ± 0.000 χ^2/NDF : 12476634.7/116

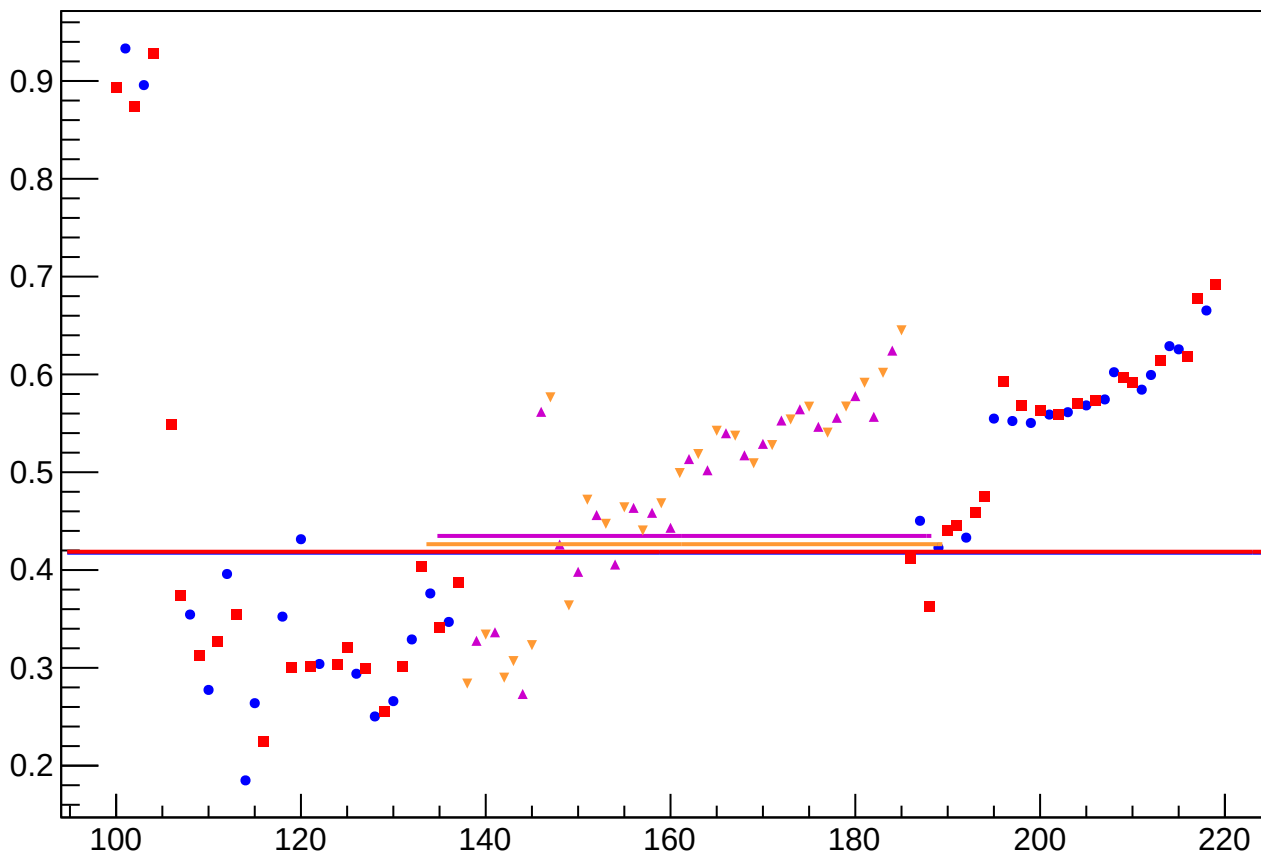
- sign 0.427 ± 0.000 χ^2/NDF : 5973035.1/59

yield_bcm_an_us_mean vs Slug



Right In: 144.200 $\pm$ 0.000	χ^2 /NDF: 3792178903.4/31	+ sign 146.028 $\pm$ 0.000	χ^2 /NDF: 4489695347.1/56
Left Out: 147.864 $\pm$ 0.000	χ^2 /NDF: 44922014.2/24	All: 145.465 $\pm$ 0.000	χ^2 /NDF: 13669659392.0/100
Right Out: 142.674 $\pm$ 0.000	χ^2 /NDF: 7622854033.0/36	- sign 144.899 $\pm$ 0.000	χ^2 /NDF: 9056195620.8/59
Left In: 147.511 $\pm$ 0.000	χ^2 /NDF: 306421789.5/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.418 $\pm$ 0.000 χ^2 /NDF: 4255601.5/31

Left Out: 0.426 $\pm$ 0.000 χ^2 /NDF:2259192.5/24

Right Out: 0.419 $\pm$ 0.000 χ^2 /NDF: 4183388.8/36

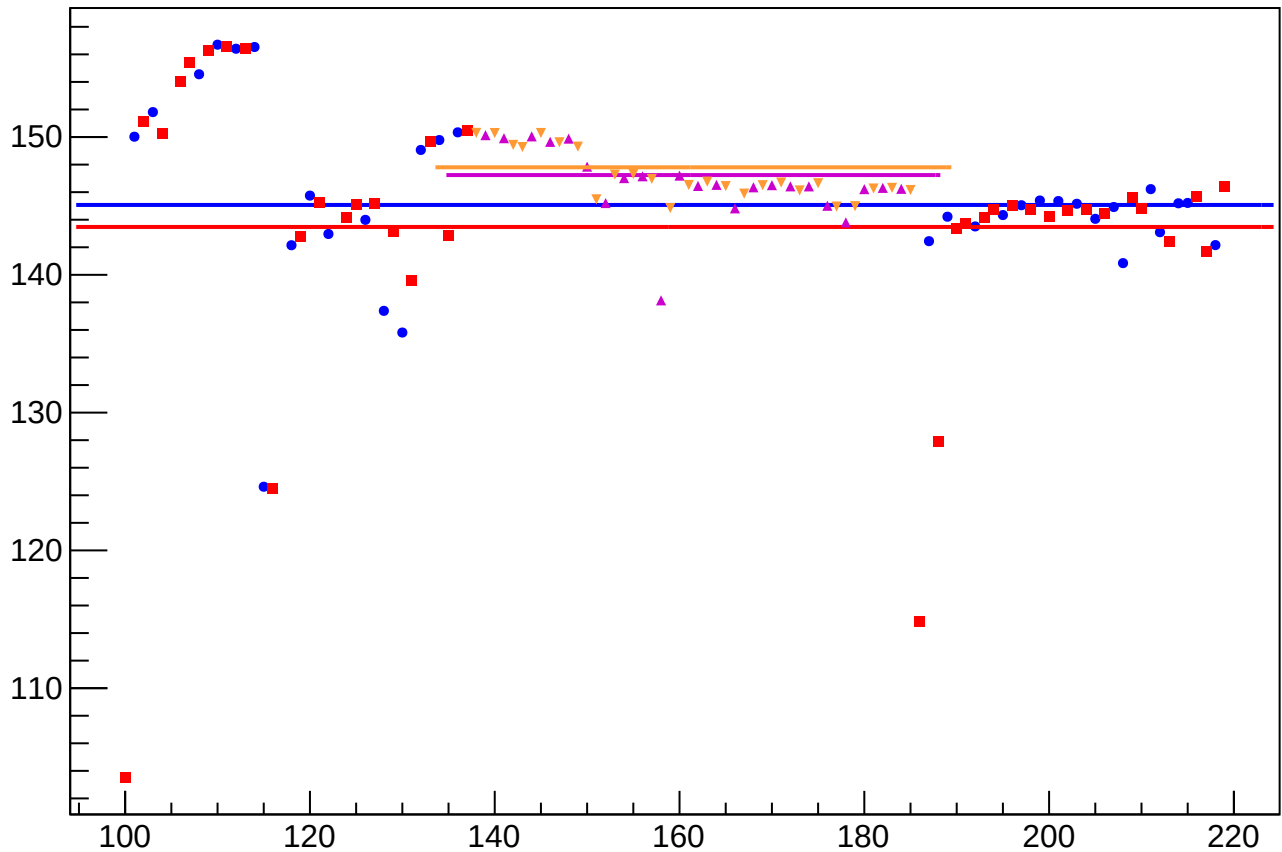
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1774903.7/22

+ sign 0.422 $\pm$ 0.000 χ^2 /NDF: 6522124.0/56

All: 0.424 $\pm$ 0.000 χ^2 /NDF: 12508803.6/116

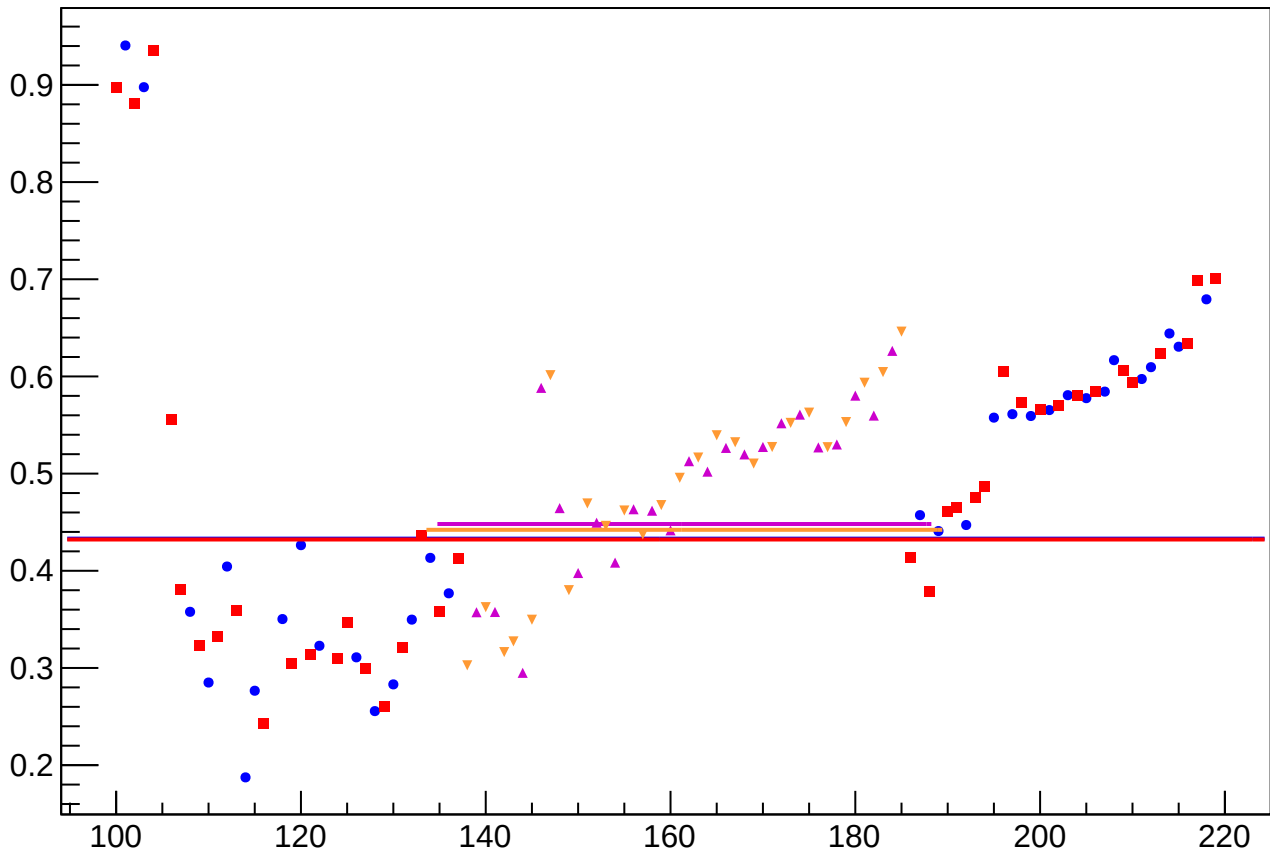
- sign 0.426 $\pm$ 0.000 χ^2 /NDF: 5983450.8/59

yield_bcm_dg_us_mean vs Slug



Right In: 145.072 $\pm$ 0.000	χ^2 /NDF: 3589325445.4/31	+ sign 146.441 $\pm$ 0.000	χ^2 /NDF: 4256964851.3/56
Left Out: 147.804 $\pm$ 0.000	χ^2 /NDF: 327059704.2/24	All: 145.828 $\pm$ 0.000	χ^2 /NDF: 13322575985.
Right Out: 143.475 $\pm$ 0.000	χ^2 /NDF: 7662965360.5/36	- sign 145.219 $\pm$ 0.000	χ^2 /NDF: 8928998208.4/59
Left In: 147.241 $\pm$ 0.000	χ^2 /NDF: 618679483.9/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.433 $\pm$ 0.000 χ^2 /NDF: 4013418.3/31

Left Out: 0.442 $\pm$ 0.000 χ^2 /NDF:1704199.1/24

Right Out: 0.432 $\pm$ 0.000 χ^2 /NDF: 3983957.8/36

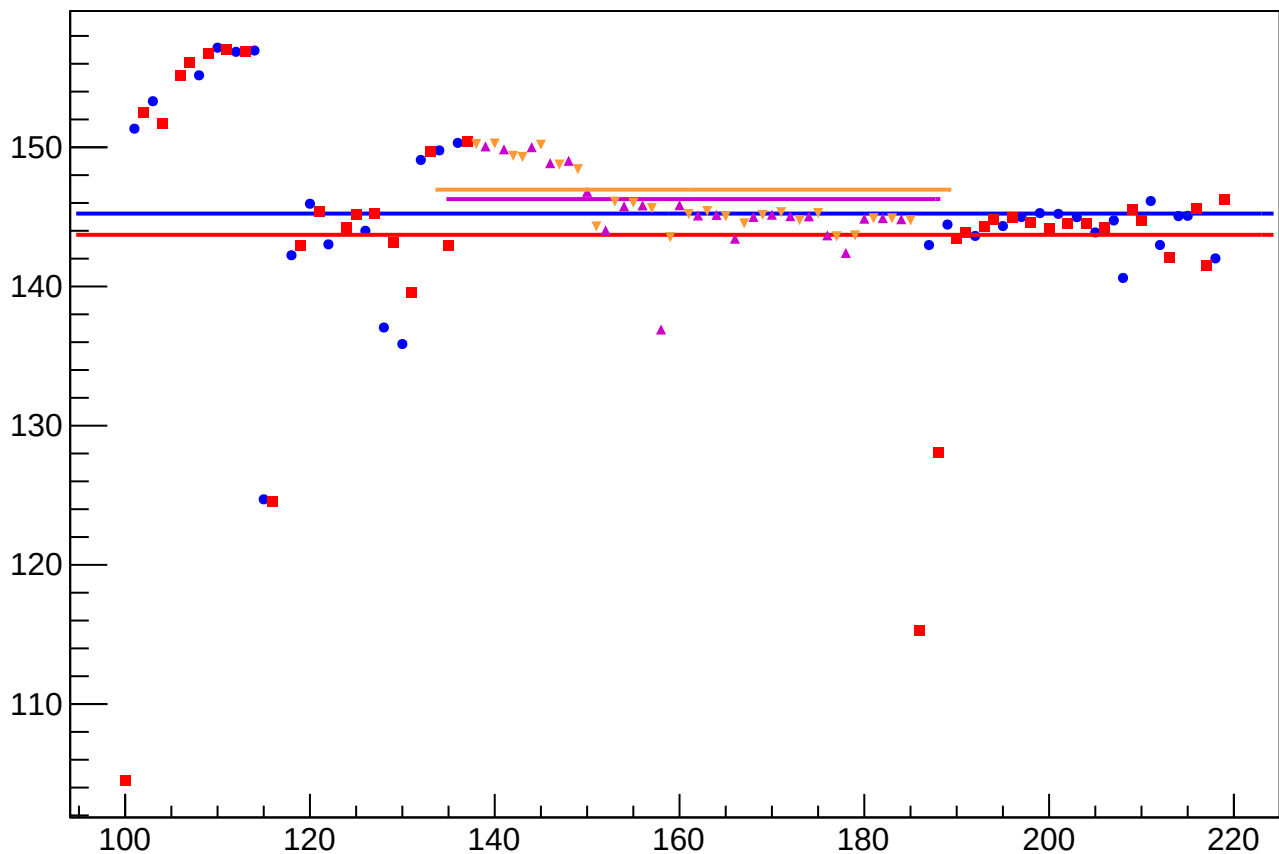
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1347802.9/22

+ sign 0.438 $\pm$ 0.000 χ^2 /NDF: 5725161.1/56

All: 0.439 $\pm$ 0.000 χ^2 /NDF: 11080814.1/116

- sign 0.440 $\pm$ 0.000 χ^2 /NDF: 5354961.4/59

yield_bcm_dg_ds_mean vs Slug



Right In: 145.238 ± 0.000 χ^2/NDF : 3754212850.9/31

Left Out: 146.956 ± 0.000 χ^2/NDF : 542800379.5/24

Right Out: 143.712 ± 0.000 χ^2/NDF : 7715666536.1/36

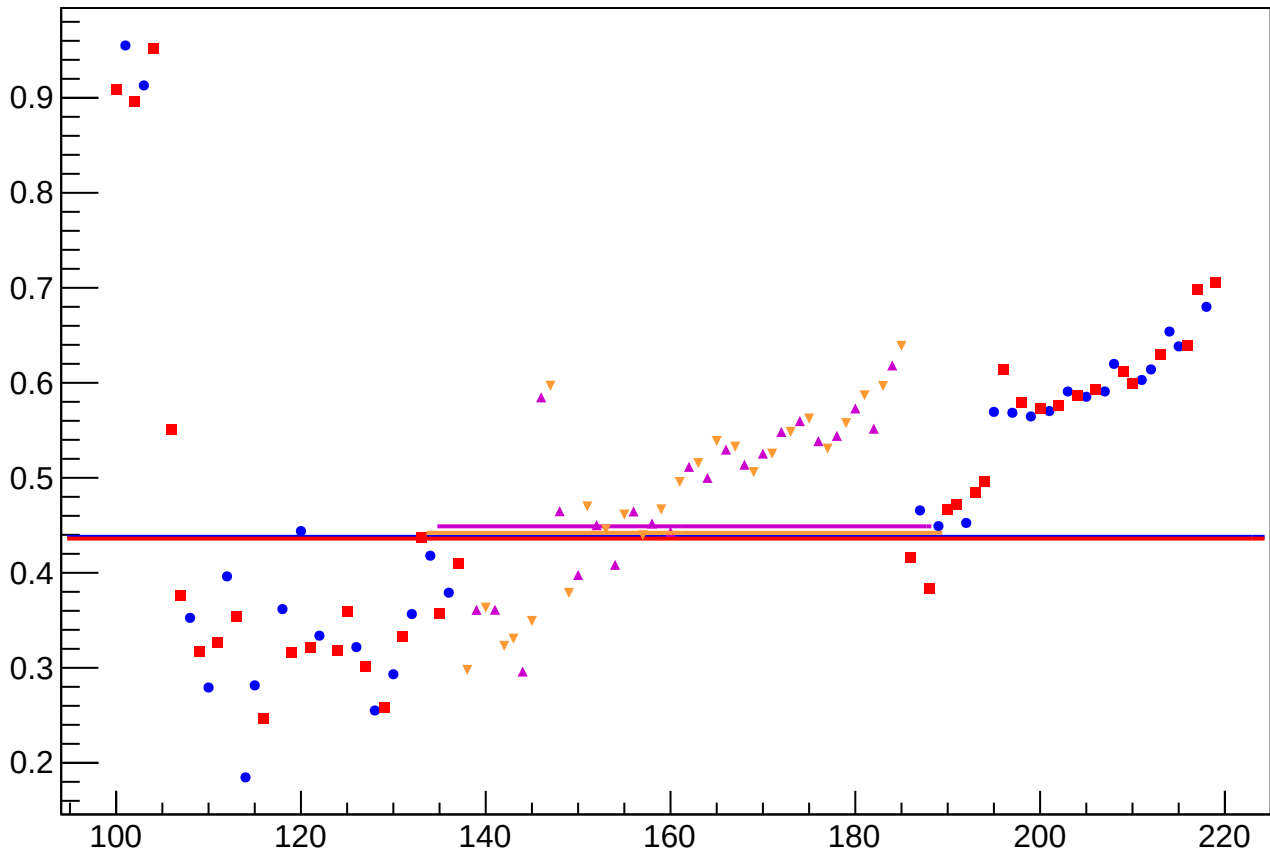
Left In: 146.278 ± 0.000 χ^2/NDF : 825161532.5/22

+ sign 146.109 ± 0.000 χ^2/NDF : 4430084346.8/56

All: 145.508 ± 0.000 χ^2/NDF : 13397884739.

- sign 144.911 ± 0.000 χ^2/NDF : 8838101868.4/59

yield_bcm_dg_ds_rms vs Slug



Right In: 0.438 $\pm$ 0.000 χ^2 /NDF: 4038957.2/31

Left Out: 0.442 $\pm$ 0.000 χ^2 /NDF:1676682.9/24

Right Out: 0.436 $\pm$ 0.000 χ^2 /NDF: 4002575.8/36

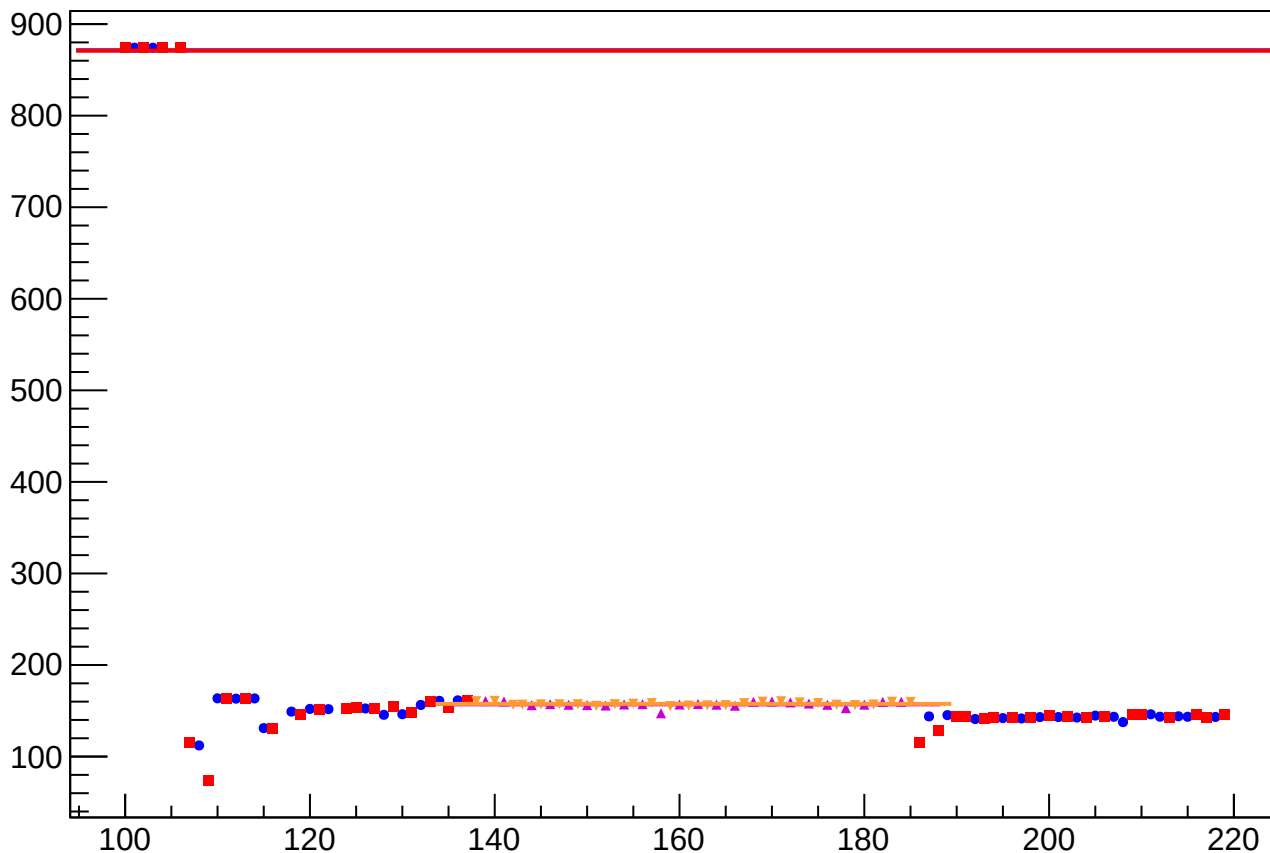
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1300658.3/22

+ sign 0.440 $\pm$ 0.000 χ^2 /NDF: 5717249.5/56

All: 0.441 $\pm$ 0.000 χ^2 /NDF: 11036295.5/116

- sign 0.442 $\pm$ 0.000 χ^2 /NDF: 5318292.9/59

yield_cav4bQ_mean vs Slug



Right In: 871.335 $\pm$ 0.000 χ^2 /NDF: 14924602993464.8/31

Left Out: 157.566 $\pm$ 0.000 χ^2 /NDF: 104641292.0/24

Right Out: 871.053 $\pm$ 0.000 χ^2 /NDF: 18919595986121.8/36

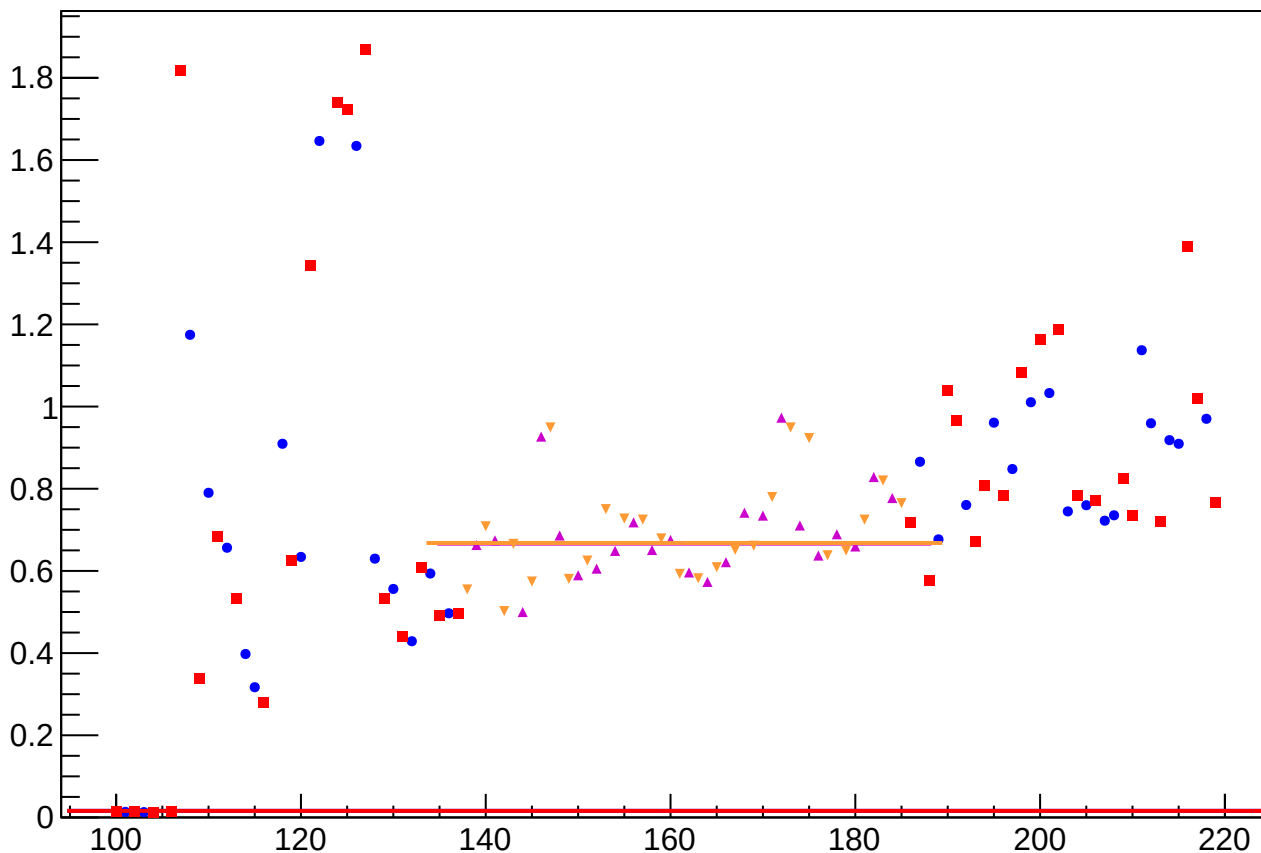
Left In: 157.013 $\pm$ 0.000 χ^2 /NDF: 239819941.9/22

+ sign 867.964 $\pm$ 0.000 χ^2 /NDF: 32104248307298.5

All: 868.117 $\pm$ 0.000 χ^2 /NDF: 674832575154.5

- sign 868.251 $\pm$ 0.000 χ^2 /NDF: 35378692464132.5

yield_cav4bQ_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 29925394.2/31

Left Out: 0.668 $\pm$ 0.000 χ^2 /NDF:681720.2/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 32746210.8/36

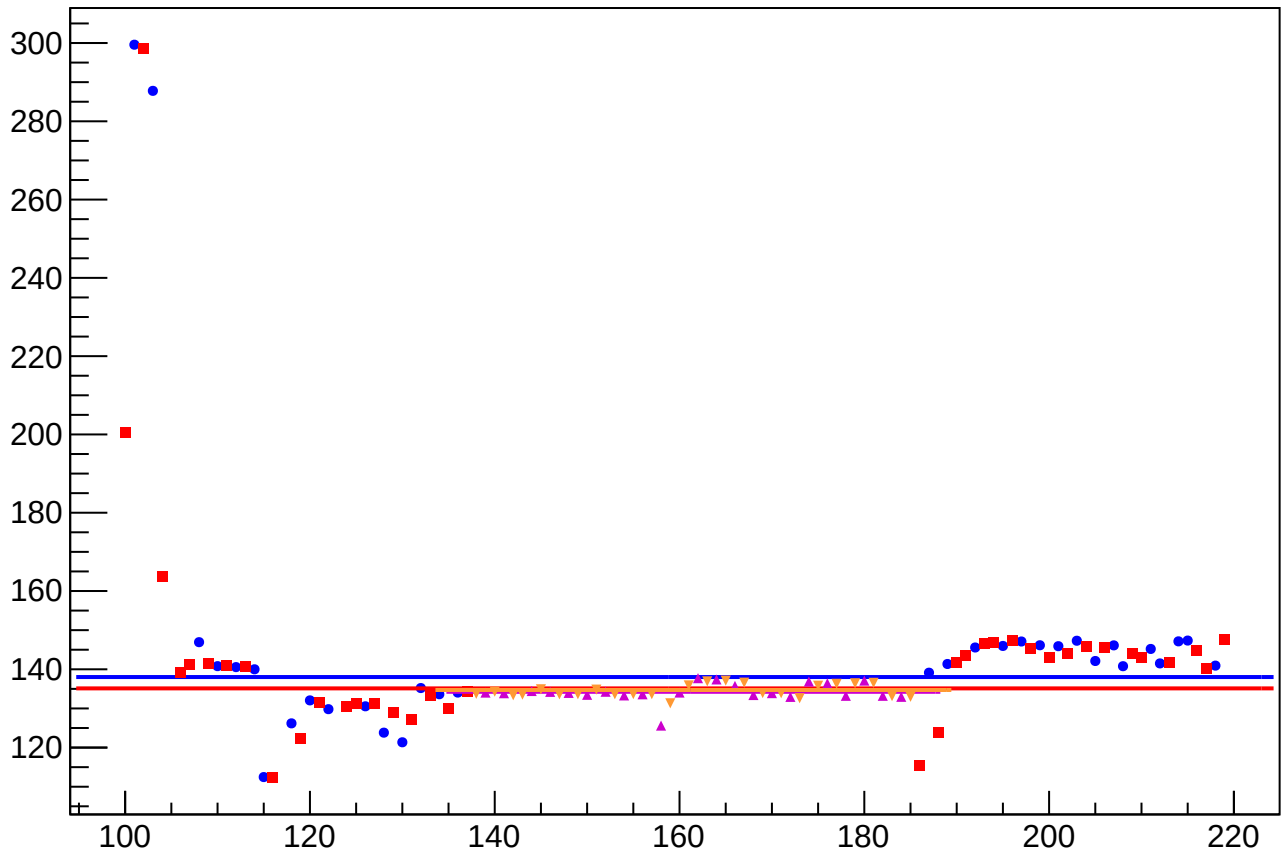
Left In: 0.666 $\pm$ 0.000 χ^2 /NDF:536078.9/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 59268605.5/56

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 119872848.8/116

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 60601298.1/59

yield_cav4cQ_mean vs Slug



Right In: 138.022 $\pm$ 0.000 χ^2 /NDF: 3743300898.2/31

Left Out: 134.714 $\pm$ 0.000 χ^2 /NDF: 159886495.0/24

Right Out: 135.123 $\pm$ 0.000 χ^2 /NDF: 5767866997.8/36

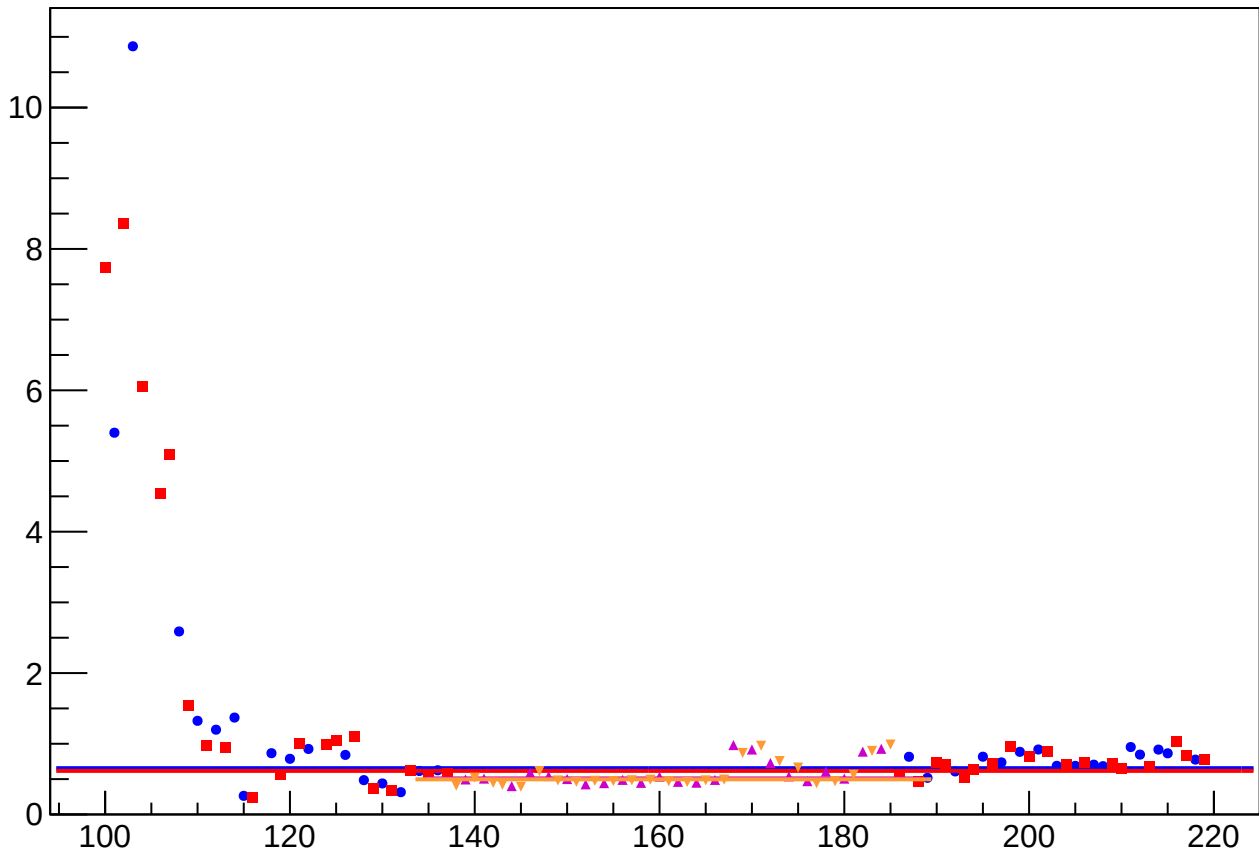
Left In: 134.250 $\pm$ 0.000 χ^2 /NDF: 441522664.4/22

+ sign 135.803 $\pm$ 0.000 χ^2 /NDF: 4144380474.0/56

All: 135.198 $\pm$ 0.000 χ^2 /NDF: 10444853497.

- sign 134.597 $\pm$ 0.000 χ^2 /NDF: 6227723174.6/59

yield_cav4cQ_rms vs Slug



Right In: 0.655 $\pm$ 0.000 χ^2 /NDF: 5447229.2/31

Left Out: 0.497 $\pm$ 0.000 χ^2 /NDF:1572512.9/24

Right Out: 0.616 $\pm$ 0.000 χ^2 /NDF: 6475041.4/36

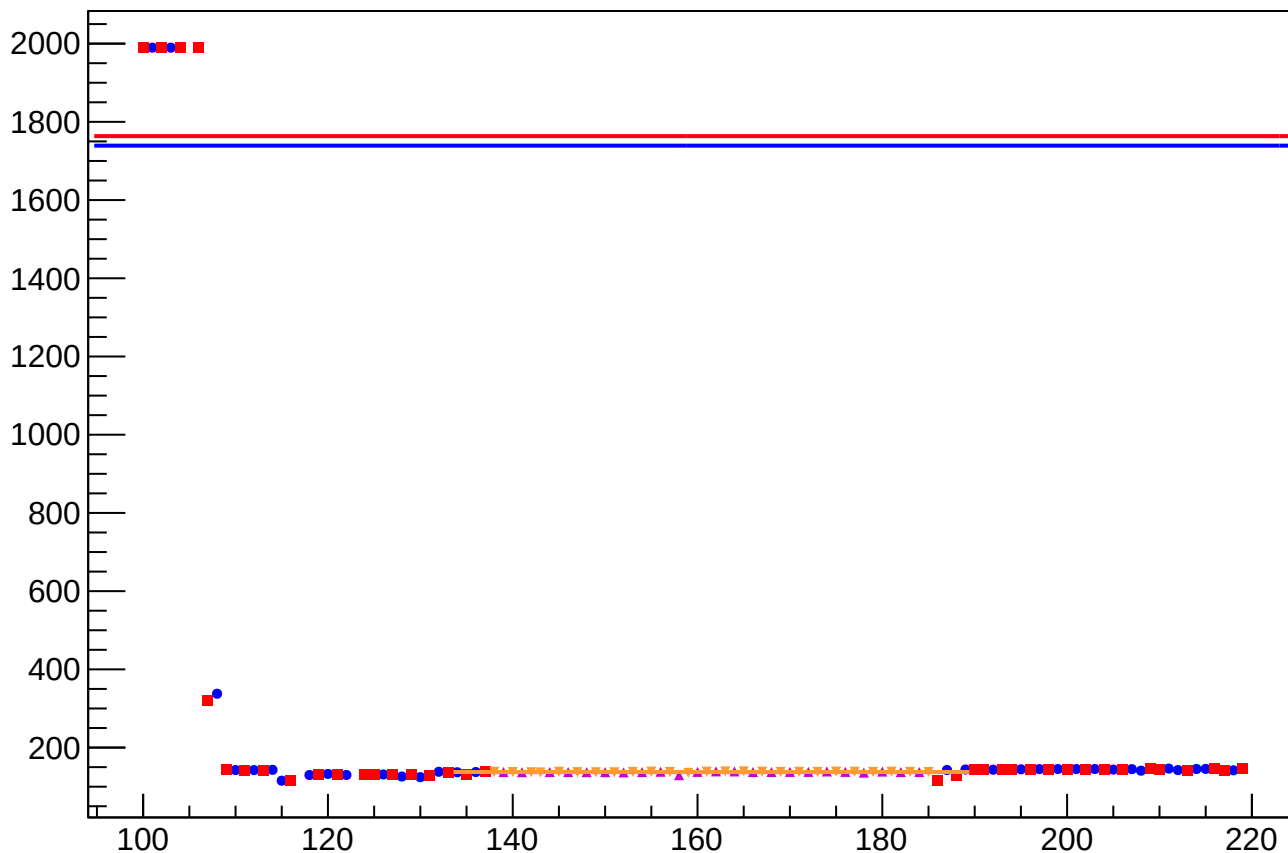
Left In: 0.510 $\pm$ 0.000 χ^2 /NDF:1485489.4/22

+ sign 0.549 $\pm$ 0.000 χ^2 /NDF: 8115559.9/56

All: 0.550 $\pm$ 0.000 χ^2 /NDF: 16624395.6/116

- sign 0.552 $\pm$ 0.000 χ^2 /NDF: 8507824.8/59

yield_cav4dQ_mean vs Slug



Right In: 1739.137+/-0.000 χ^2/NDF : 243246361858638.2/31

Left Out: 137.578+/-0.000 χ^2/NDF : 64111345.2/24

Right Out: 1763.449+/-0.000 χ^2/NDF : 260530135647787.5/36

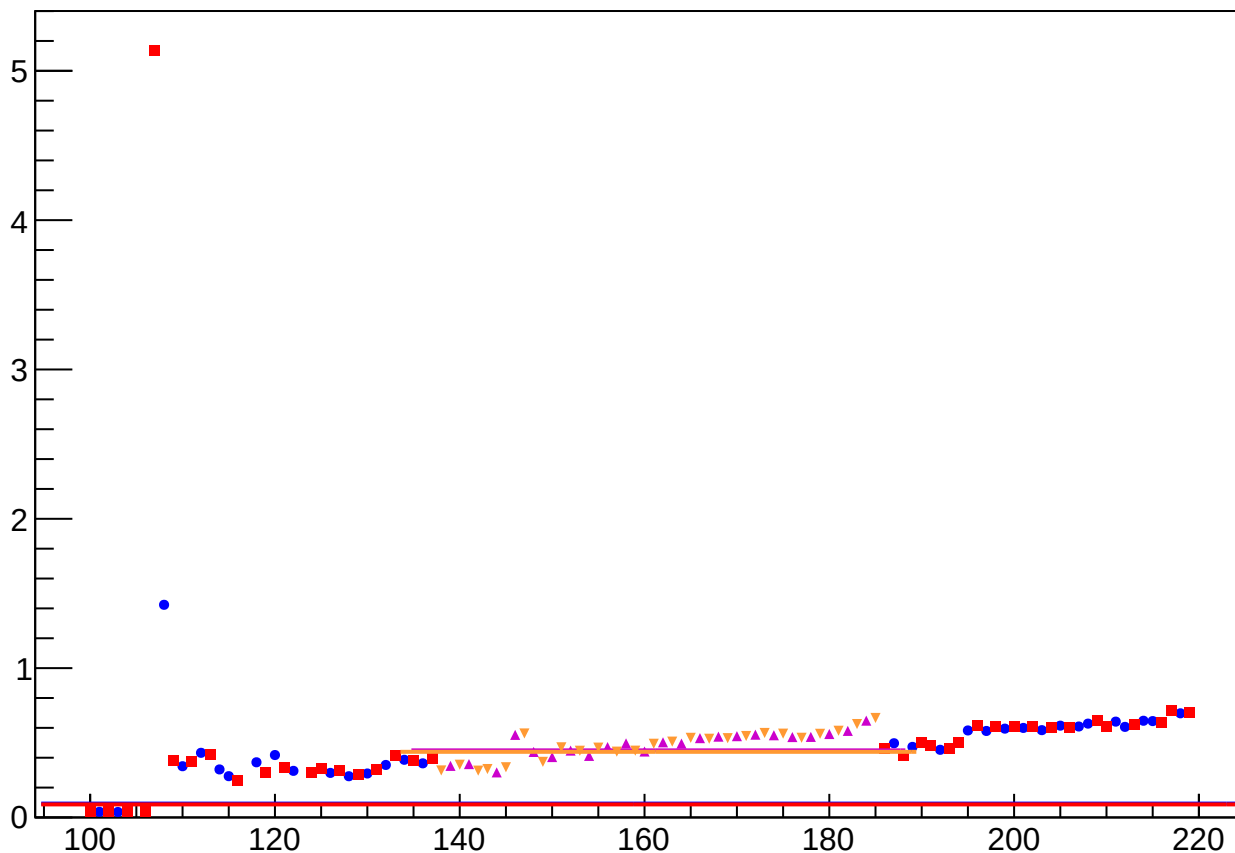
Left In: 137.349+/-0.000 χ^2/NDF : 248752254.7/22

+ sign 1526.457+/-0.000 χ^2/NDF : 44976910921872

All: 1559.889+/-0.000 χ^2/NDF : 91218624424

- sign 1589.370+/-0.000 χ^2/NDF : 46094657264445

yield_cav4dQ_rms vs Slug



Right In: 0.093+/-0.000 χ^2/NDF : 26997727.5/31

Left Out: 0.440+/-0.000 χ^2/NDF : 1765604.0/24

Right Out: 0.087+/-0.000 χ^2/NDF : 28647237.3/36

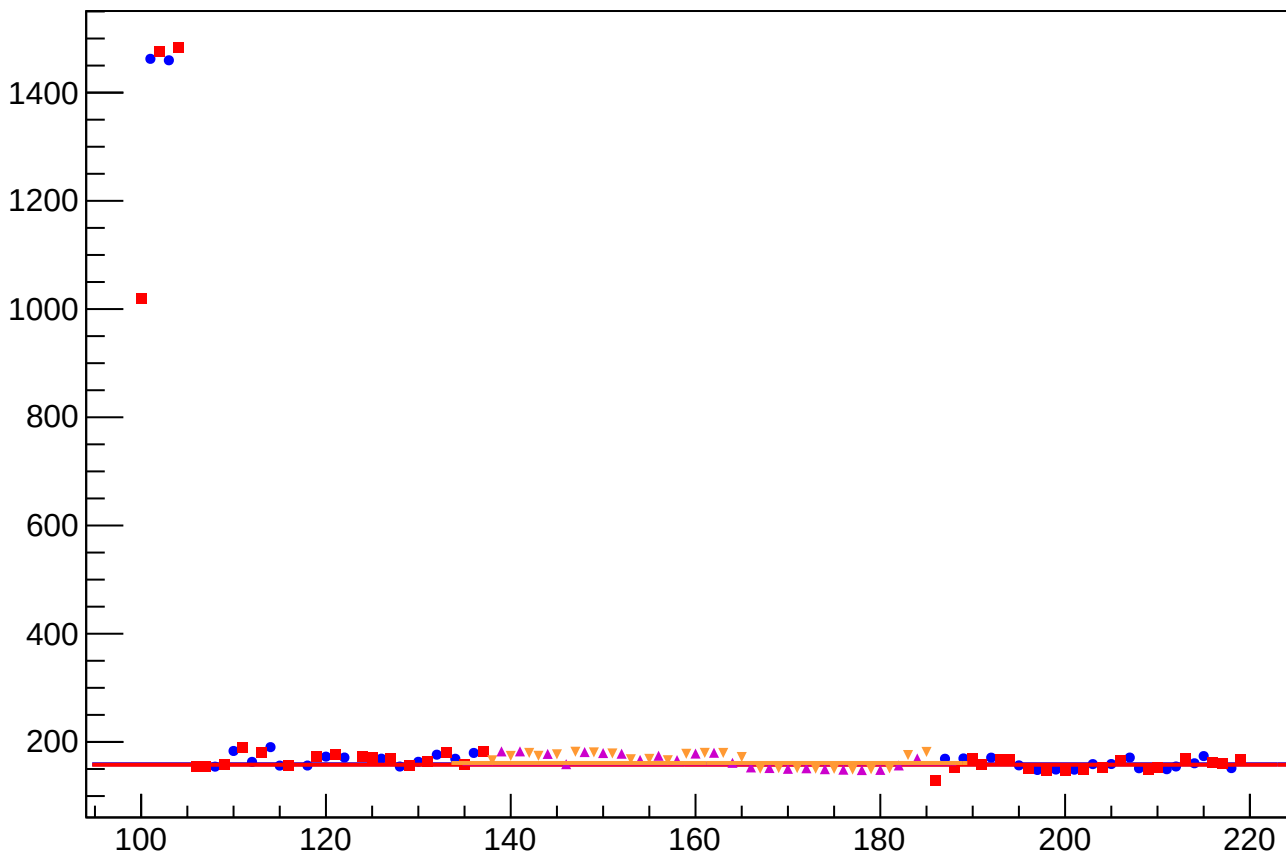
Left In: 0.449+/-0.000 χ^2/NDF : 1340860.2/22

+ sign 0.139+/-0.000 χ^2/NDF : 48126447.0/56

All: 0.132+/-0.000 χ^2/NDF : 98092273.2/116

- sign 0.126+/-0.000 χ^2/NDF : 49844855.8/59

yield_bcm0l02_mean vs Slug



Right In: 158.727+/-0.000 χ^2/NDF : 16090808019.6/31

Left Out: 161.147+/-0.000 χ^2/NDF : 3739064587.8/24

Right Out: 157.883+/-0.000 χ^2/NDF : 18419583233.6/36

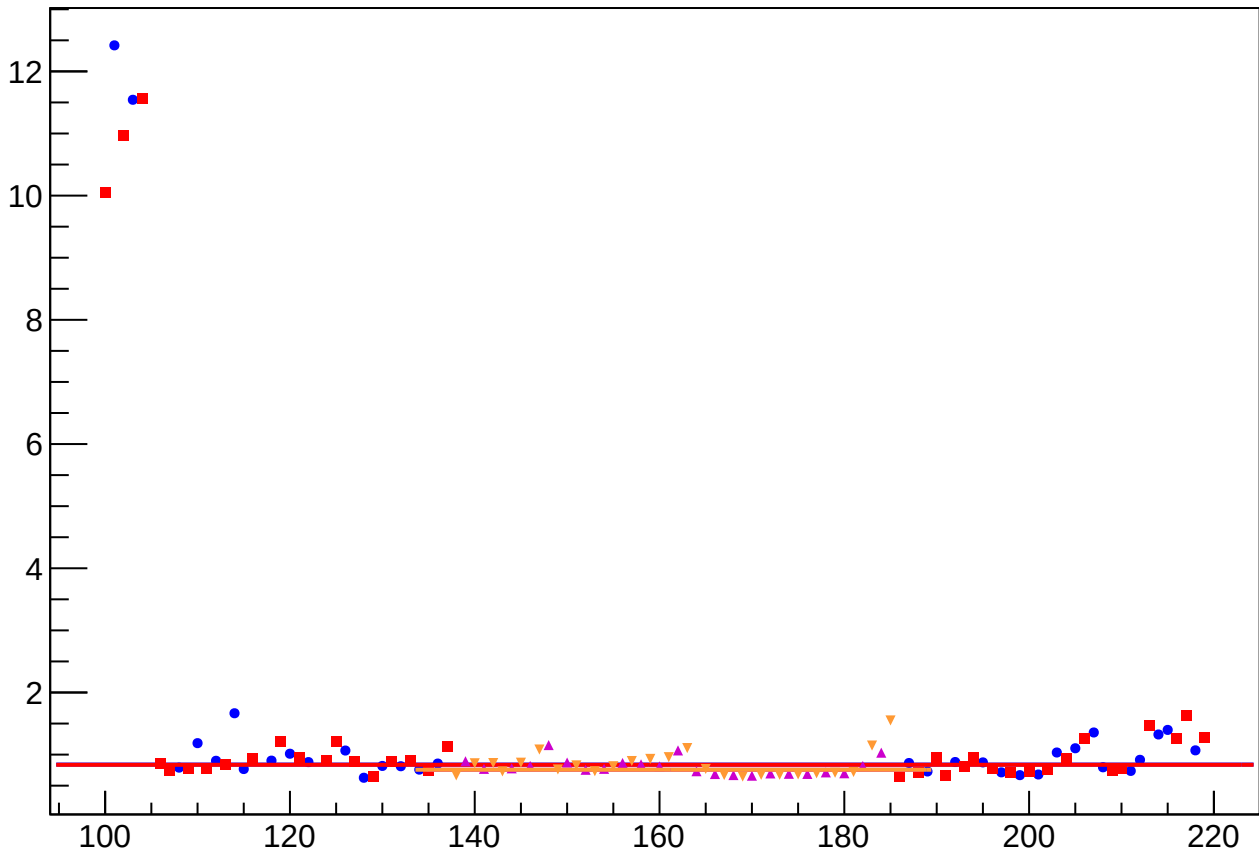
Left In: 160.140+/-0.000 χ^2/NDF : 3738383186.1/22

+ sign 160.100+/-0.000 χ^2/NDF : 19892037173.0/56

All: 159.588+/-0.000 χ^2/NDF : 42128436527.0

- sign 159.087+/-0.000 χ^2/NDF : 22214000859.6/59

yield_bcm0l02_rms vs Slug



Right In: 0.840 ± 0.000 χ^2/NDF : 3301894.0/31

Left Out: 0.756 ± 0.000 χ^2/NDF : 750259.3/24

Right Out: 0.836 ± 0.000 χ^2/NDF : 3390676.4/36

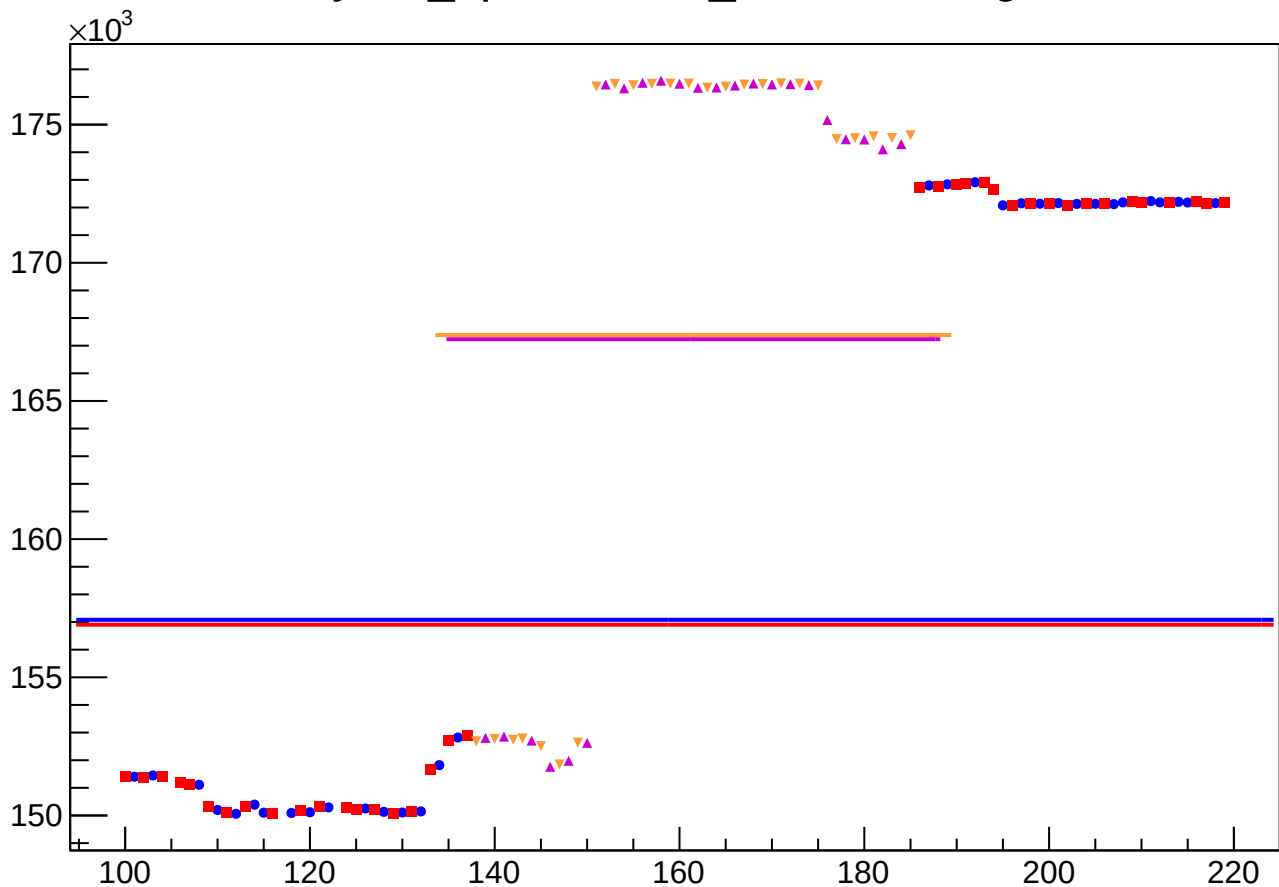
Left In: 0.755 ± 0.000 χ^2/NDF : 472792.1/22

+ sign 0.792 ± 0.000 χ^2/NDF : 4199804.3/56

All: 0.793 ± 0.000 χ^2/NDF : 8205904.7/116

- sign 0.793 ± 0.000 χ^2/NDF : 4006086.3/59

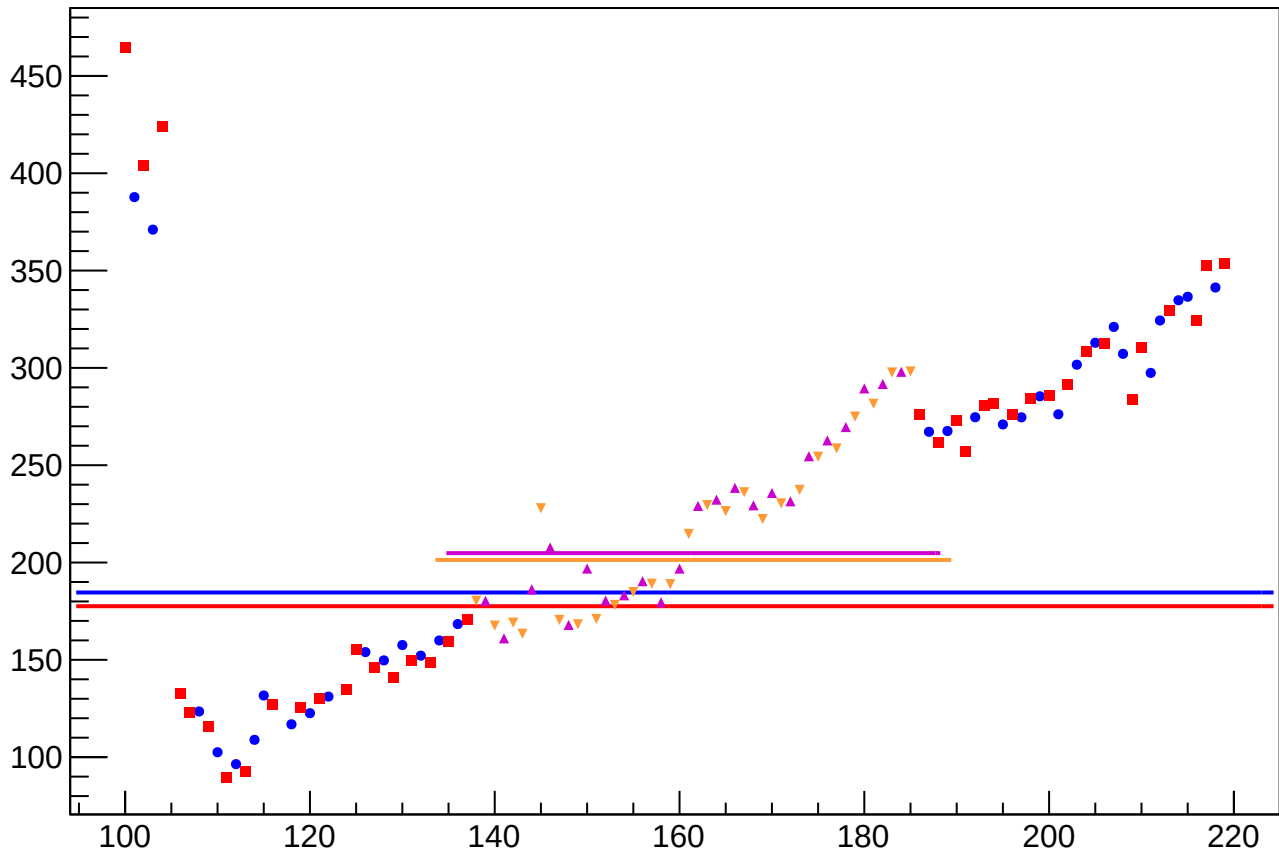
yield_bpm2i01WS_mean vs Slug



Right In: 157080.732 $\pm$ 0.046 χ^2 /NDF: 47634106854.6/31
 Left Out: 167385.483 $\pm$ 0.047 χ^2 /NDF: 59602607546.2/24
 Right Out: 156904.381 $\pm$ 0.043 χ^2 /NDF: 53365512501.6/36
 Left In: 167234.214 $\pm$ 0.049 χ^2 /NDF: 55099214555.0/22

+ sign 162116.669 $\pm$ 0.033 χ^2 /NDF: 132097370150
 All: 161755.068 $\pm$ 0.023 χ^2 /NDF: 266026352
 - sign 161402.701 $\pm$ 0.032 χ^2 /NDF: 133687086041

yield_bpm2i01WS_rms vs Slug



Right In: 184.604 $\pm$ 0.032 χ^2 /NDF: 6893846.6/31

Left Out: 201.329 $\pm$ 0.033 χ^2 /NDF:1230655.6/24

Right Out: 177.552 $\pm$ 0.030 χ^2 /NDF: 8021210.1/36

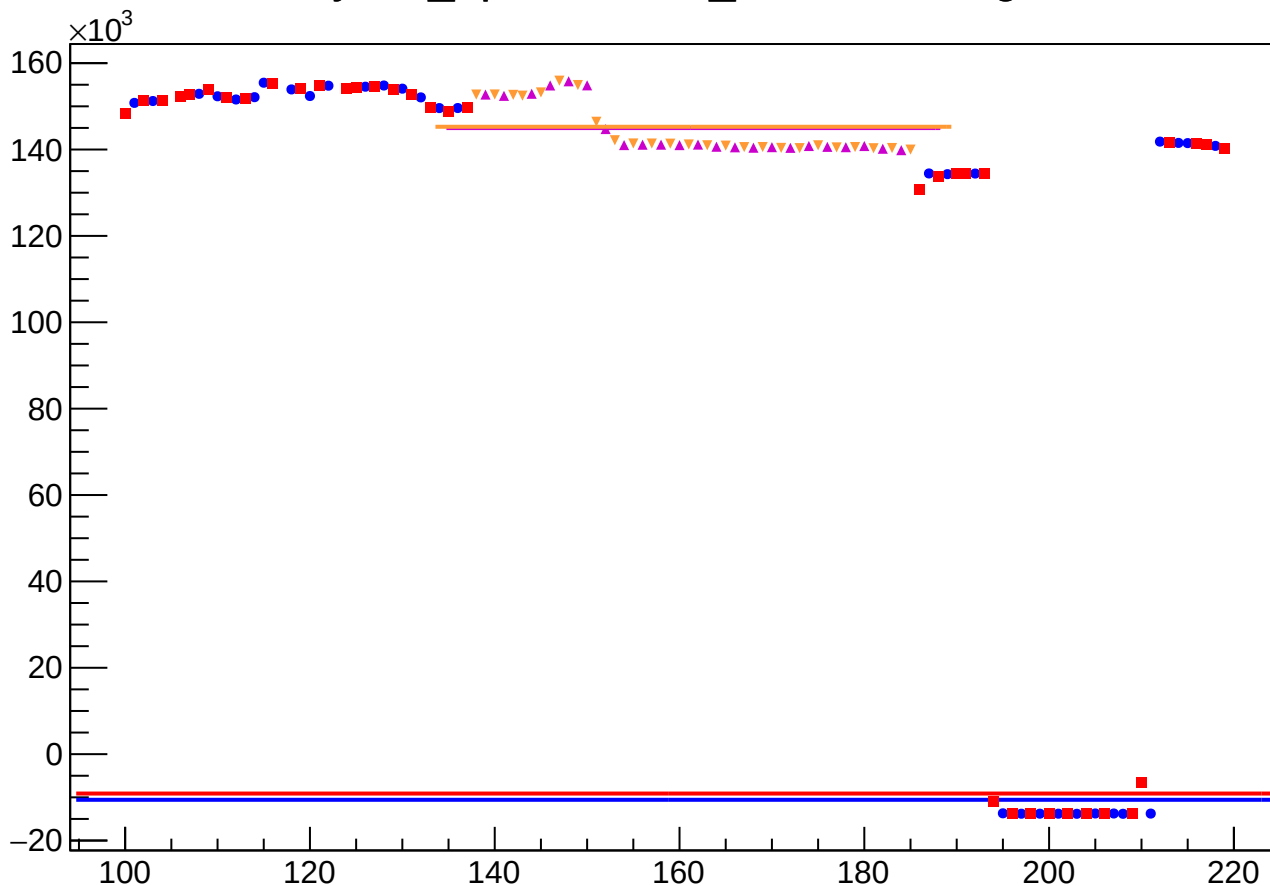
Left In: 204.826 $\pm$ 0.035 χ^2 /NDF:1053130.7/22

+ sign 192.777 $\pm$ 0.023 χ^2 /NDF: 8255479.1/56

All: 191.081 $\pm$ 0.016 χ^2 /NDF: 17692127.1/11

- sign 189.429 $\pm$ 0.023 χ^2 /NDF: 9426007.5/59

yield_bpm0i07WS_mean vs Slug



Right In: -10567.935 $\pm$ 0.009

χ^2 /NDF: 6683905702291.2/31

Left Out: 145269.857 $\pm$ 0.049

χ^2 /NDF: 13706269279.5/24

Right Out: -9119.381 $\pm$ 0.009

χ^2 /NDF: 7852949154267.0/36

Left In: 144966.398 $\pm$ 0.051

χ^2 /NDF: 13154547043.3/22

+ sign -5838.634 $\pm$ 0.009

χ^2 /NDF: 1635204354271

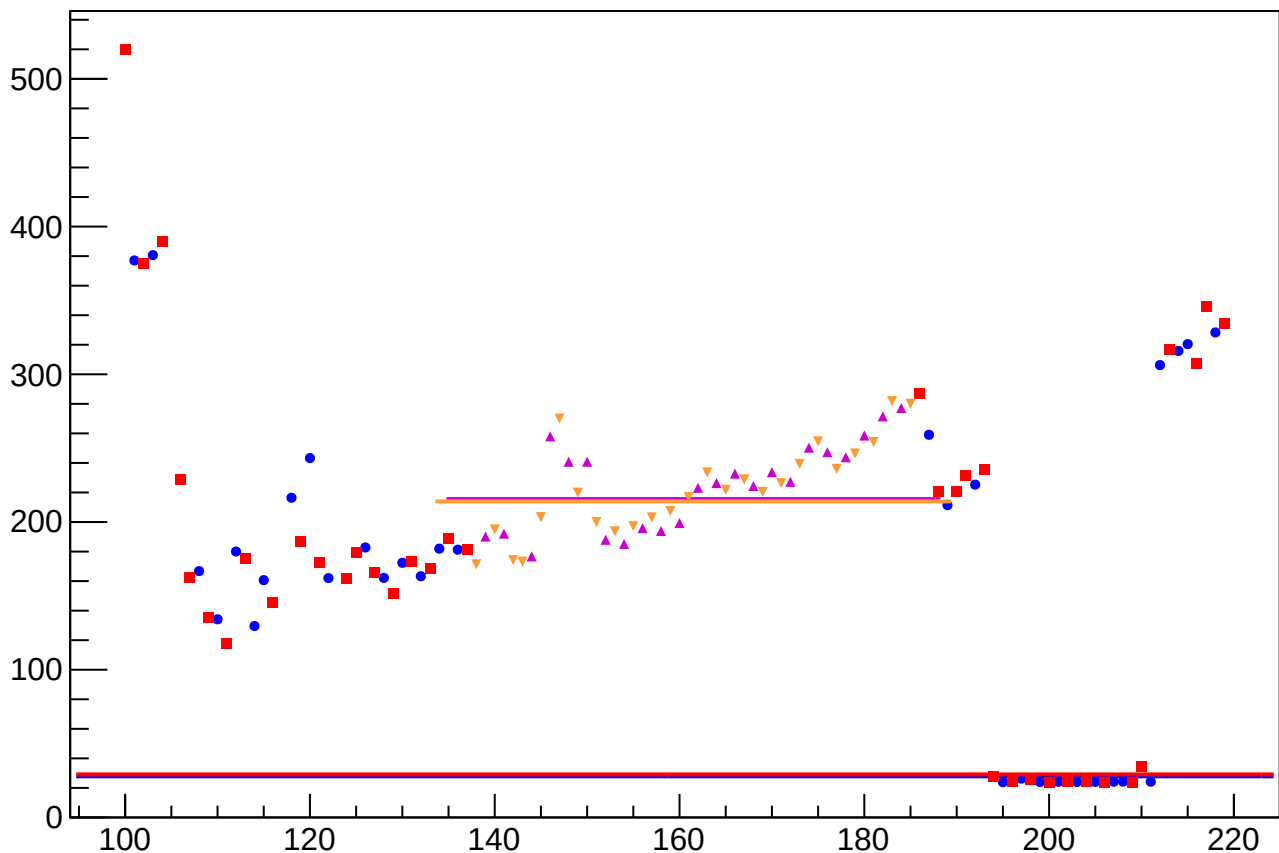
All: -5040.499 $\pm$ 0.006

χ^2 /NDF: 3299857445

- sign -4123.990 $\pm$ 0.009

χ^2 /NDF: 1662804285059

yield_bpm0i07WS_rms vs Slug



Right In: 27.848+/-0.006 χ^2/NDF : 18525759.2/31

Left Out: 213.951+/-0.035 χ^2/NDF : 650607.8/24

Right Out: 29.134+/-0.007 χ^2/NDF : 20048647.3/36

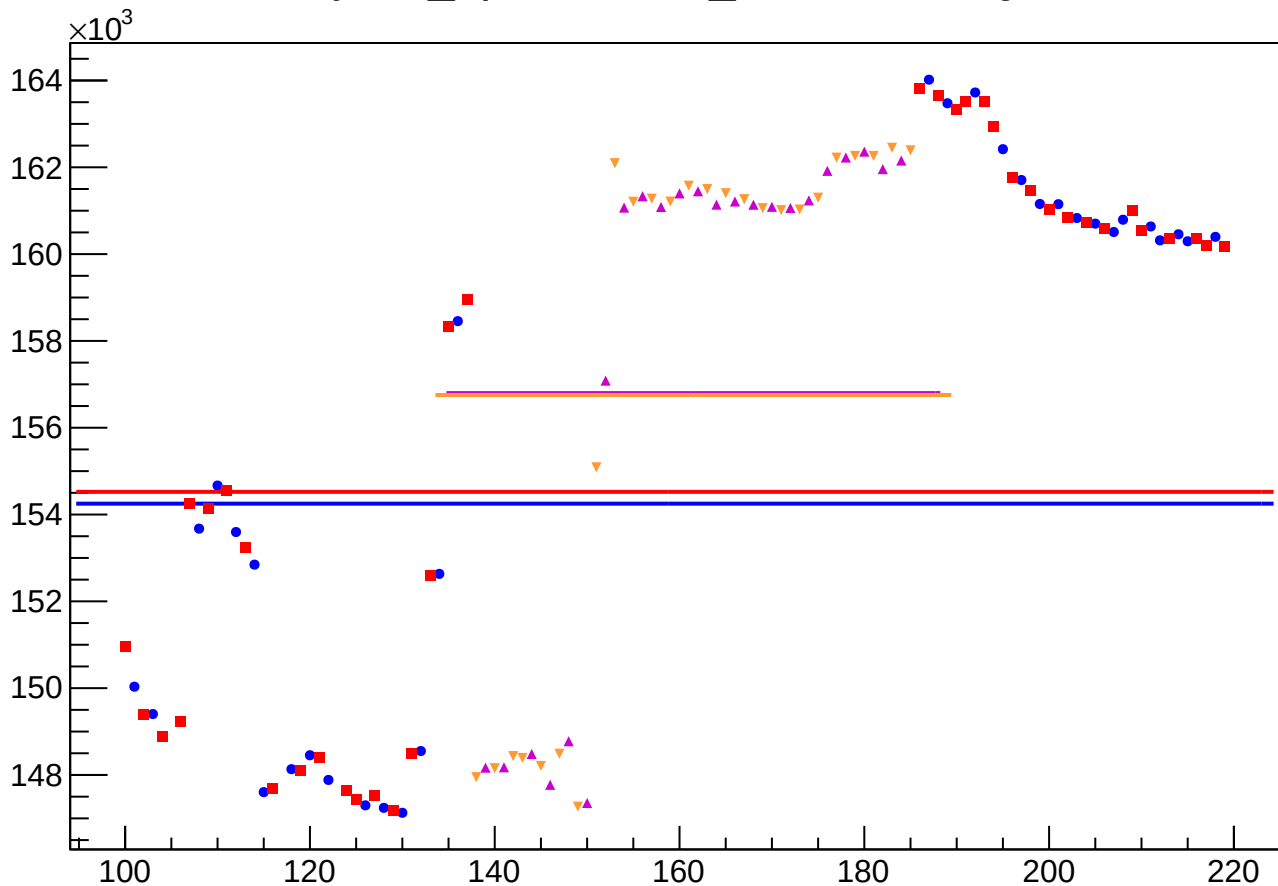
Left In: 215.539+/-0.036 χ^2/NDF : 600575.7/22

+ sign 33.496+/-0.006 χ^2/NDF : 46713513.2/56

All: 34.278+/-0.004 χ^2/NDF : 93044234.8/116

- sign 35.177+/-0.007 χ^2/NDF : 46295166.3/59

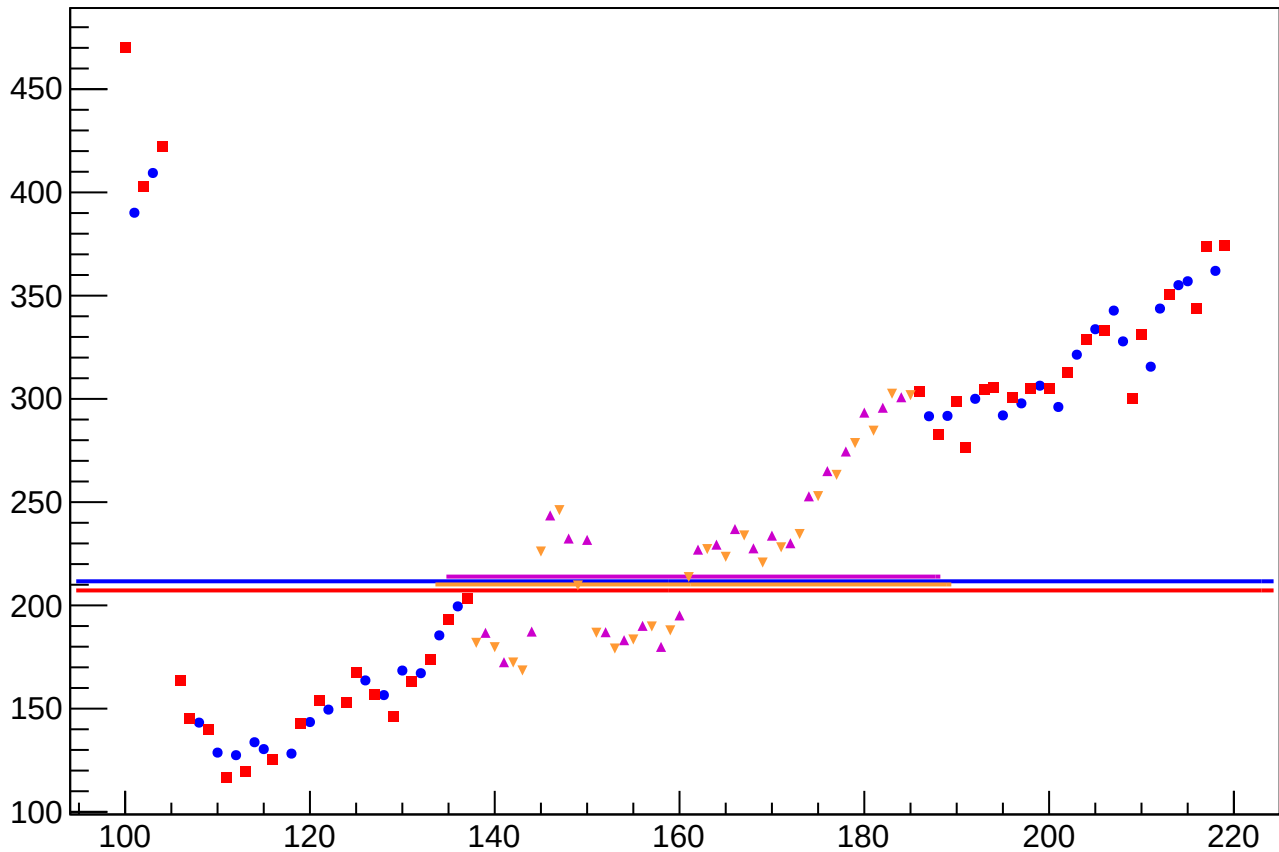
yield_bpm0i01WS_mean vs Slug



Right In: 154250.999 ± 0.051 $\chi^2/\text{NDF}: 12897745821.2/31$
 Left Out: 156754.233 ± 0.049 $\chi^2/\text{NDF}: 16380807583.4/24$
 Right Out: 154523.179 ± 0.049 $\chi^2/\text{NDF}: 13795921348.8/36$
 Left In: 156798.005 ± 0.051 $\chi^2/\text{NDF}: 14344098884.4/22$

+ sign 155572.850 ± 0.035 $\chi^2/\text{NDF}: 30528582076.$
 All: 155595.860 ± 0.025 $\chi^2/\text{NDF}: 597026703$
 - sign 155618.892 ± 0.035 $\chi^2/\text{NDF}: 29173240169.9$

yield_bpm0i01WS_rms vs Slug



Right In: 211.665 $\pm$ 0.036 χ^2 /NDF: 5714865.8/31

Left Out: 210.142 $\pm$ 0.034 χ^2 /NDF: 997802.7/24

Right Out: 207.241 $\pm$ 0.035 χ^2 /NDF: 6400022.2/36

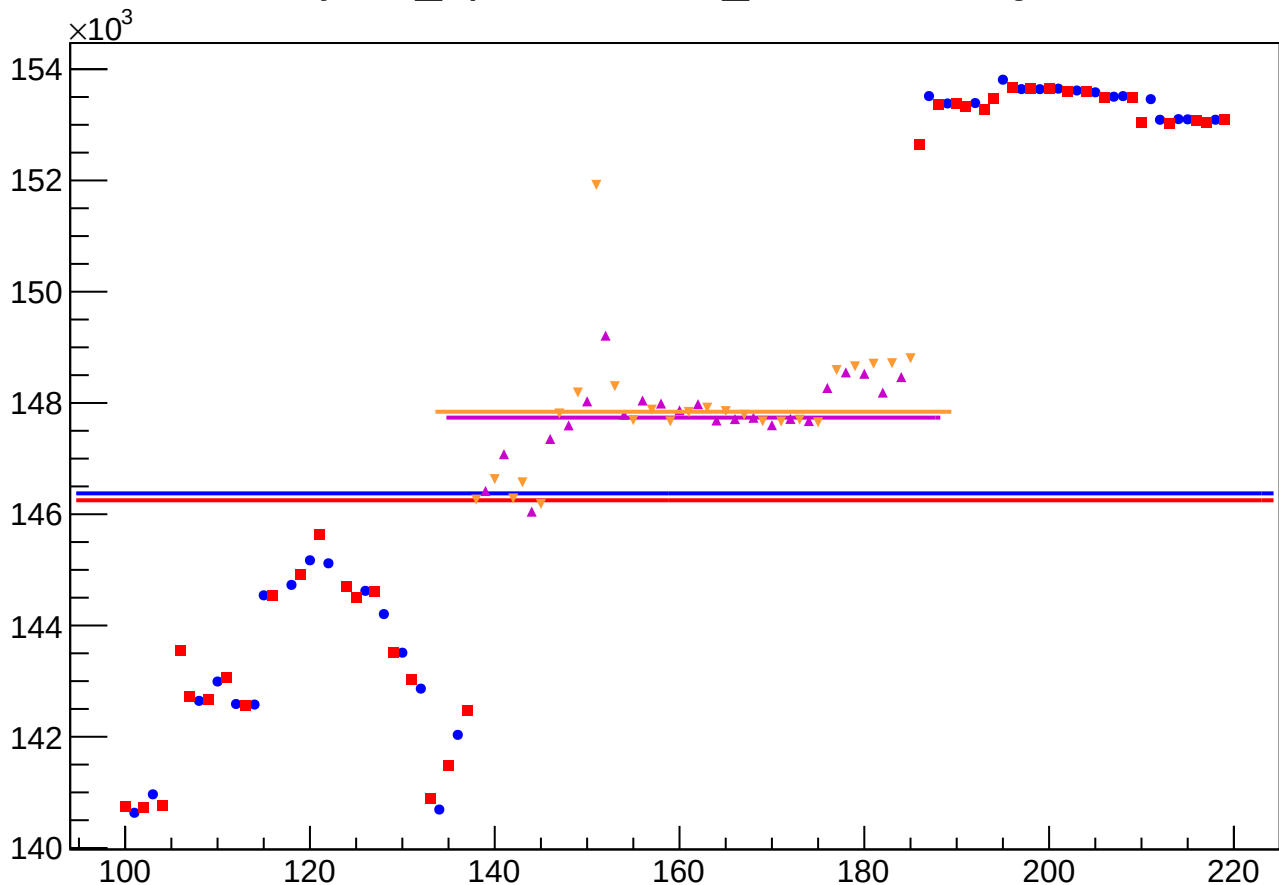
Left In: 213.945 $\pm$ 0.036 χ^2 /NDF: 914465.3/22

+ sign 210.861 $\pm$ 0.025 χ^2 /NDF: 6713594.3/56

All: 210.666 $\pm$ 0.018 χ^2 /NDF: 14046150.0/1

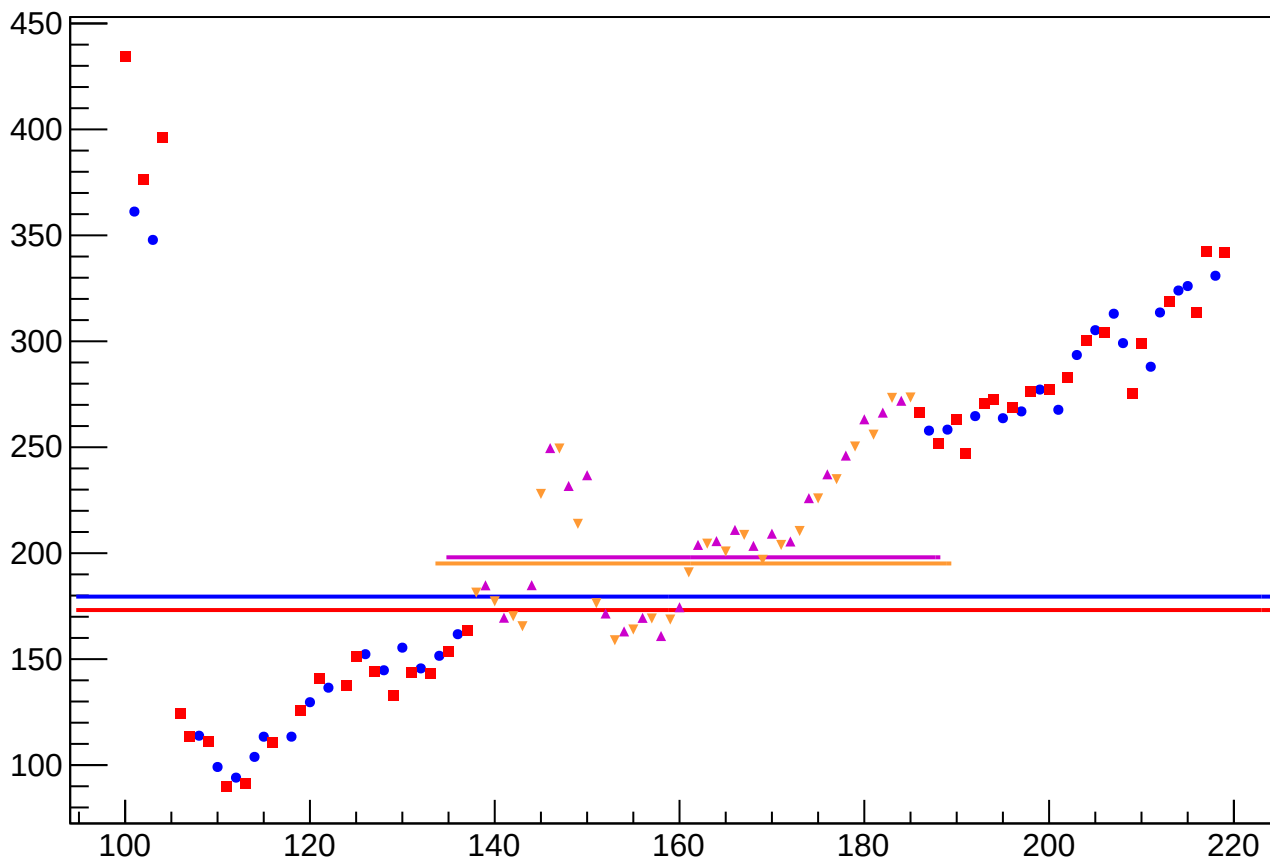
- sign 210.470 $\pm$ 0.025 χ^2 /NDF: 7332433.7/59

yield_bpm0i01aWS_mean vs Slug



Right In: 146375.079 $\pm$ 0.044	χ^2 /NDF: 11551646216.6/31	+ sign 147096.822 $\pm$ 0.032	χ^2 /NDF: 12801571845.
Left Out: 147842.157 $\pm$ 0.045	χ^2 /NDF: 713066054.2/24	All: 146999.029 $\pm$ 0.022	χ^2 /NDF: 26331499.
Right Out: 146250.671 $\pm$ 0.042	χ^2 /NDF: 12727851622.8/36	- sign 146903.568 $\pm$ 0.031	χ^2 /NDF: 13511066142.6
Left In: 147736.722 $\pm$ 0.047	χ^2 /NDF: 227077133.0/22		

yield_bpm0i01aWS_rms vs Slug



Right In: 179.511+/-0.031 χ^2/NDF : 6824091.8/31

Left Out: 195.145+/-0.032 χ^2/NDF : 903994.2/24

Right Out: 173.168+/-0.030 χ^2/NDF : 7840551.3/36

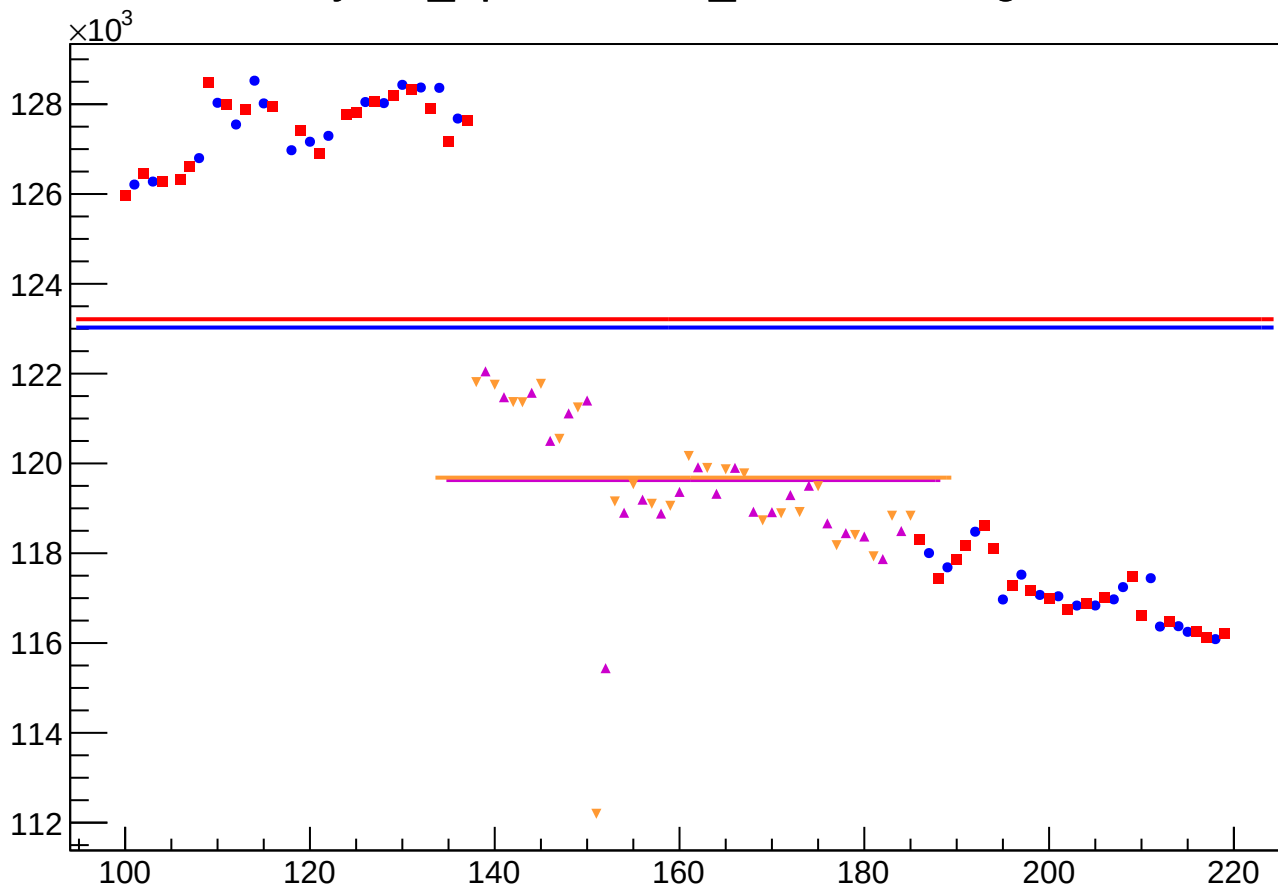
Left In: 198.057+/-0.033 χ^2/NDF : 900359.1/22

+ sign 187.203+/-0.022 χ^2/NDF : 7850021.1/56

All: 185.634+/-0.016 χ^2/NDF : 16912646.7/1

- sign 184.103+/-0.022 χ^2/NDF : 9052918.6/59

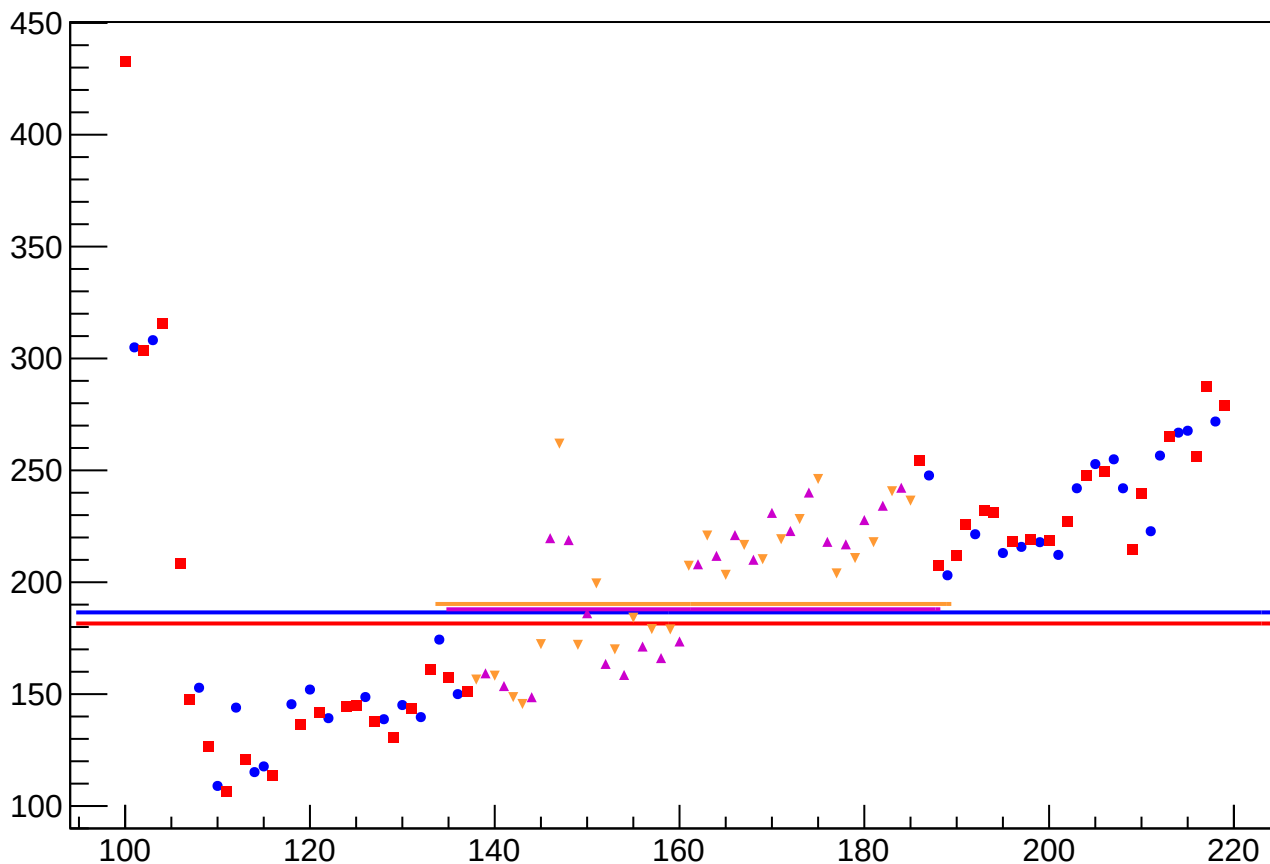
yield_bpm0l01WS_mean vs Slug



Right In: 123026.585 $\pm$ 0.044 χ^2 /NDF: 14741882532.2/31
 Left Out: 119683.519 $\pm$ 0.044 χ^2 /NDF: 1985993997.6/24
 Right Out: 123211.466 $\pm$ 0.042 χ^2 /NDF: 16053832372.4/36
 Left In: 119629.600 $\pm$ 0.045 χ^2 /NDF: 1317214801.7/22

+ sign 121377.212 $\pm$ 0.031 χ^2 /NDF: 19617702513.8
 All: 121472.423 $\pm$ 0.022 χ^2 /NDF: 404310239
 - sign 121564.097 $\pm$ 0.031 χ^2 /NDF: 20794914534.0

yield_bpm0l01WS_rms vs Slug



Right In: 186.523+/-0.031 χ^2/NDF : 2959248.7/31

Left Out: 190.298+/-0.031 χ^2/NDF : 924542.3/24

Right Out: 181.569+/-0.029 χ^2/NDF : 3716483.5/36

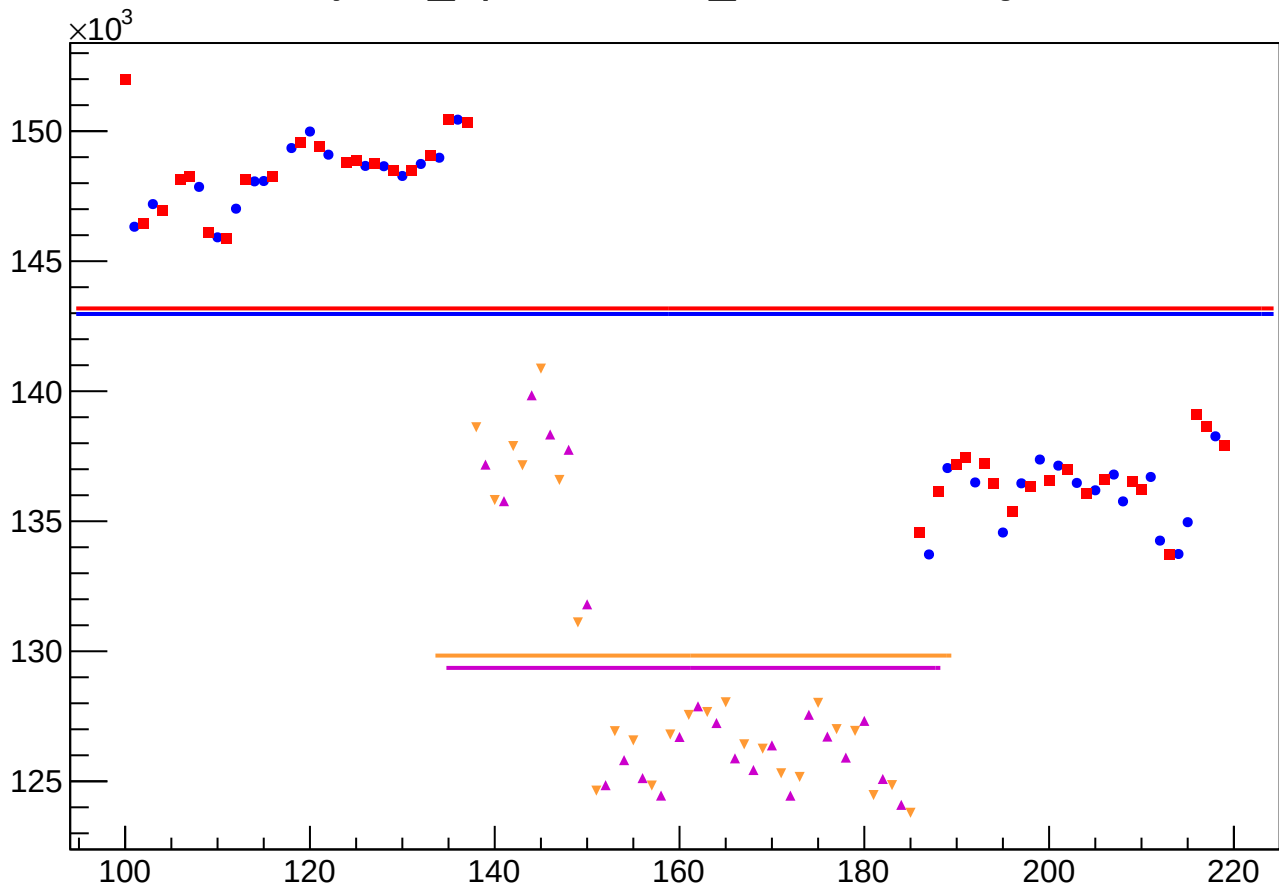
Left In: 187.909+/-0.032 χ^2/NDF : 926037.0/22

+ sign 188.385+/-0.022 χ^2/NDF : 3891158.0/56

All: 186.398+/-0.015 χ^2/NDF : 8571173.5/116

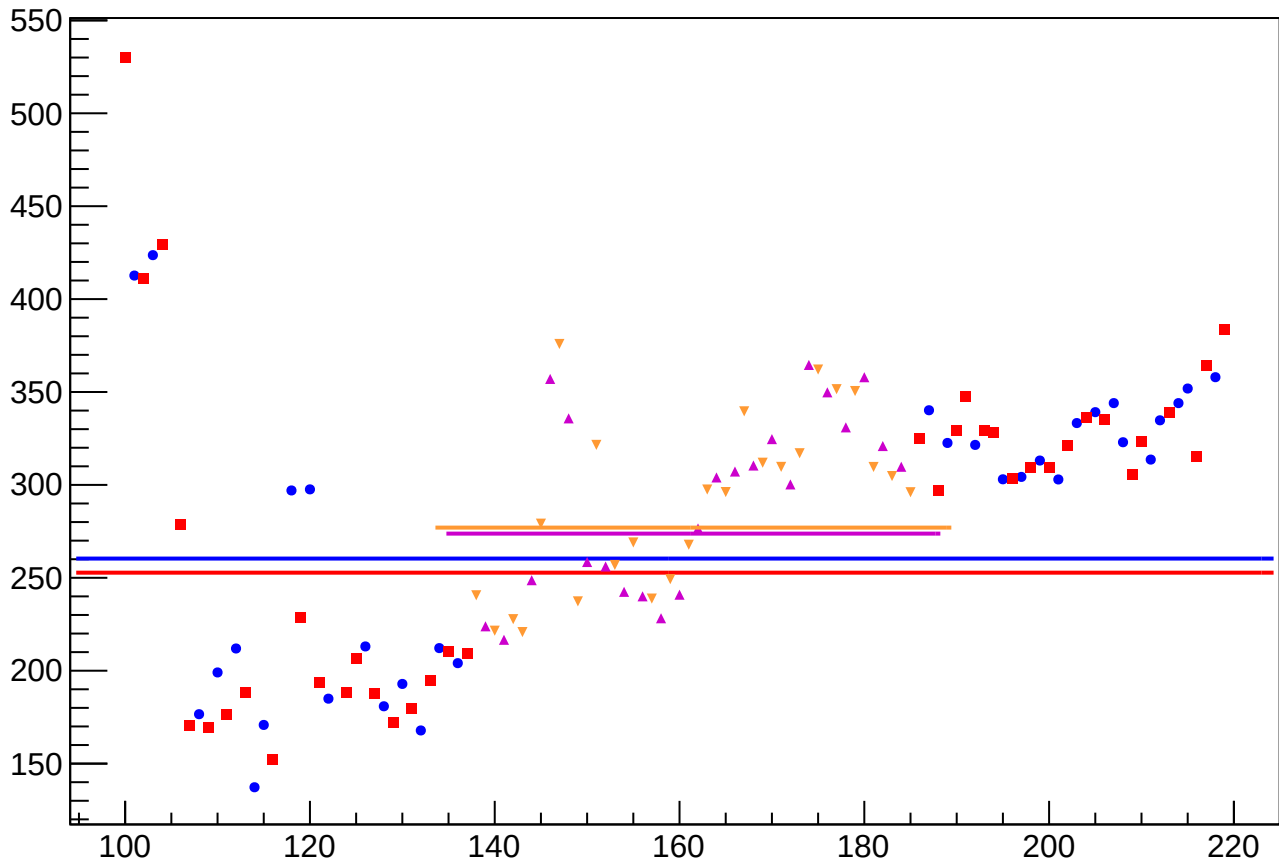
- sign 184.485+/-0.022 χ^2/NDF : 4663976.5/59

yield_bpm0l02WS_mean vs Slug



Right In: 142969.650 $\pm$ 0.061 χ^2 /NDF: 10671529101.5/31
 Left Out: 129834.437 $\pm$ 0.064 χ^2 /NDF: 6793515279.7/24
 Right Out: 143183.537 $\pm$ 0.058 χ^2 /NDF: 10675208279.5/36
 Left In: 129360.487 $\pm$ 0.065 χ^2 /NDF: 6626094577.9/22
 + sign 136746.836 $\pm$ 0.044 χ^2 /NDF: 39495009110.
 All: 136948.082 $\pm$ 0.031 χ^2 /NDF: 820167339
 - sign 137140.527 $\pm$ 0.043 χ^2 /NDF: 42481147778.2

yield_bpm0l02WS_rms vs Slug



Right In: 260.355+/-0.043 χ^2/NDF : 2931131.1/31

Left Out: 277.021+/-0.045 χ^2/NDF : 946602.2/24

Right Out: 252.766+/-0.041 χ^2/NDF : 3403553.3/36

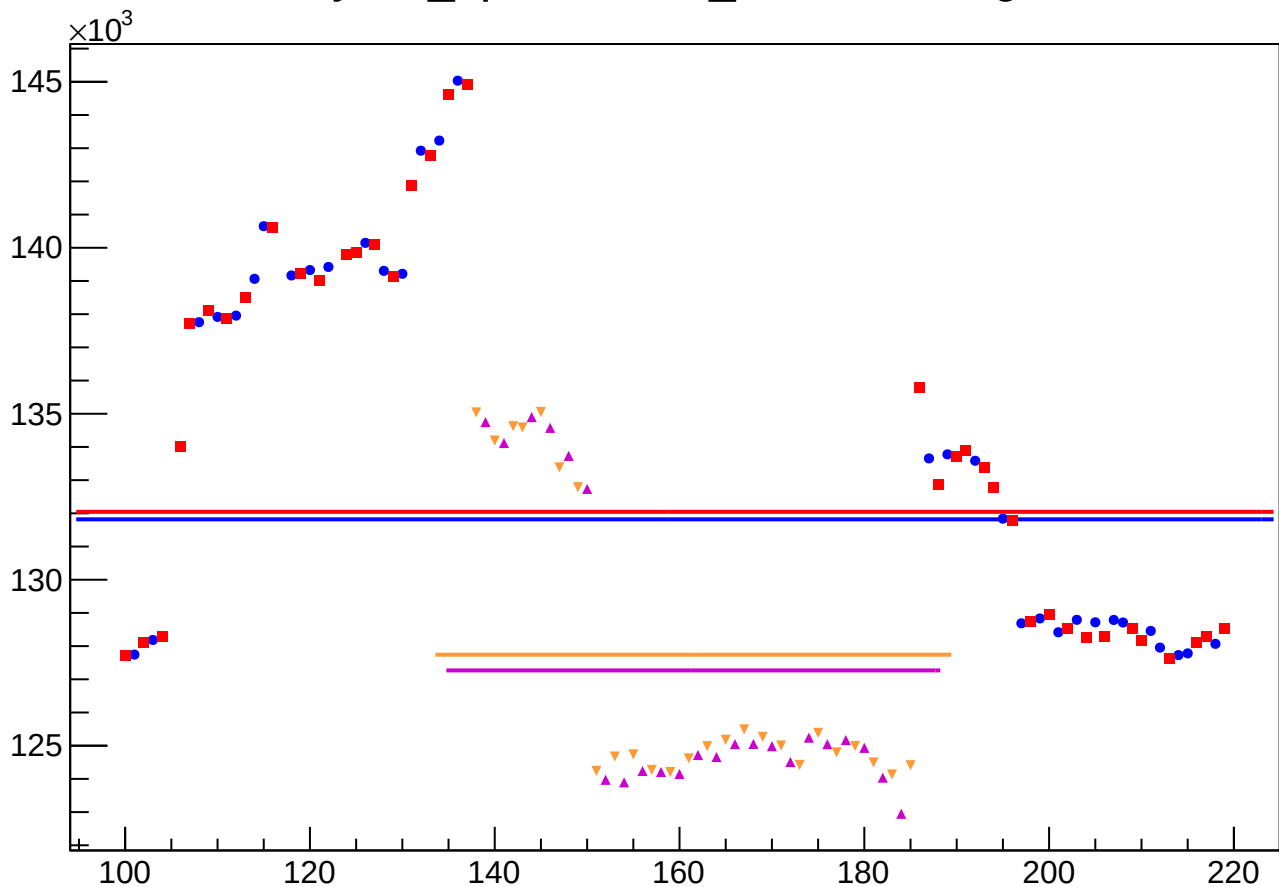
Left In: 273.784+/-0.046 χ^2/NDF : 1003910.6/22

+ sign 268.250+/-0.031 χ^2/NDF : 3948666.8/56

All: 265.032+/-0.022 χ^2/NDF : 8493310.8/116

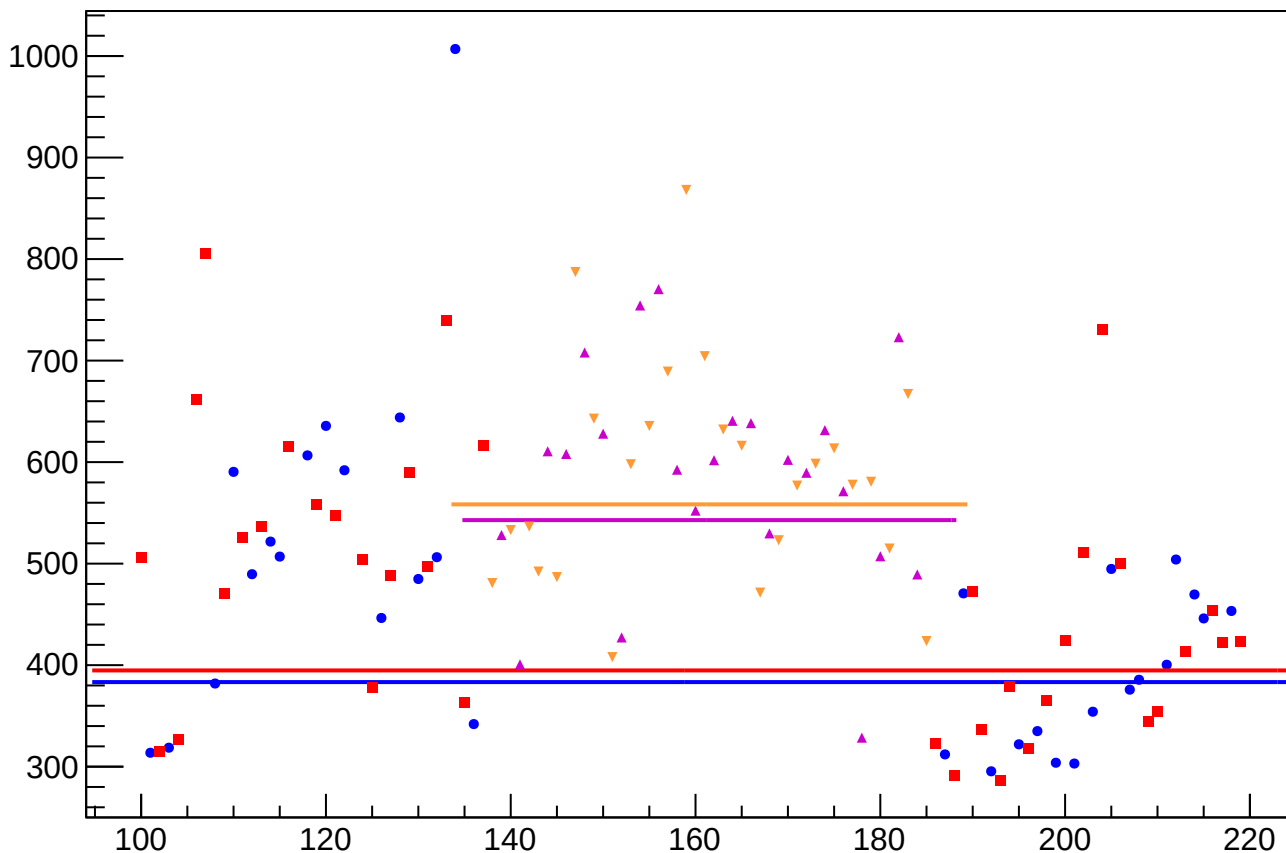
- sign 261.955+/-0.031 χ^2/NDF : 4523892.9/59

yield_bpm0l03WS_mean vs Slug



Right In: 131818.980 $\pm$ 0.097 χ^2 /NDF: 2966698650.1/31
 Left Out: 127741.156 $\pm$ 0.136 χ^2 /NDF: 1092529845.6/24
 Right Out: 132045.486 $\pm$ 0.097 χ^2 /NDF: 2258714248.2/36
 Left In: 127268.542 $\pm$ 0.139 χ^2 /NDF: 971404491.0/22
 + sign 130445.094 $\pm$ 0.079 χ^2 /NDF: 4659106831.2
 All: 130459.677 $\pm$ 0.056 χ^2 /NDF: 86865345
 - sign 130474.554 $\pm$ 0.079 χ^2 /NDF: 4027358350.3

yield_bpm0l03WS_rms vs Slug



Right In: 383.318 ± 0.068 $\chi^2/\text{NDF}: 1796266.3/31$

Left Out: 558.373 ± 0.096 $\chi^2/\text{NDF}: 968289.3/24$

Right Out: 394.801 ± 0.069 $\chi^2/\text{NDF}: 2040800.3/36$

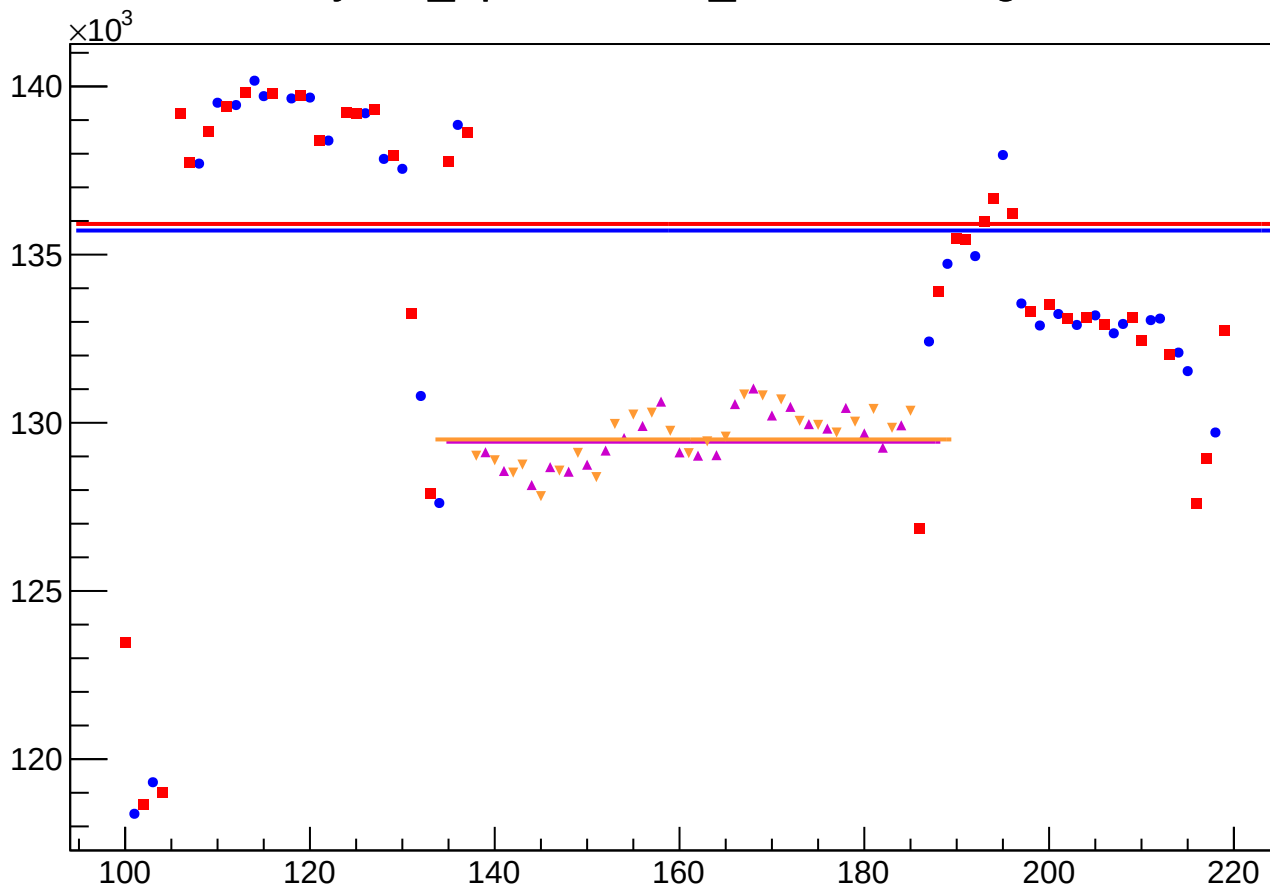
Left In: 542.872 ± 0.098 $\chi^2/\text{NDF}: 1416690.9/22$

+ sign 442.297 ± 0.056 $\chi^2/\text{NDF}: 4975544.4/56$

All: 442.890 ± 0.040 $\chi^2/\text{NDF}: 9965255.3/116$

- sign 443.495 ± 0.056 $\chi^2/\text{NDF}: 4989481.1/59$

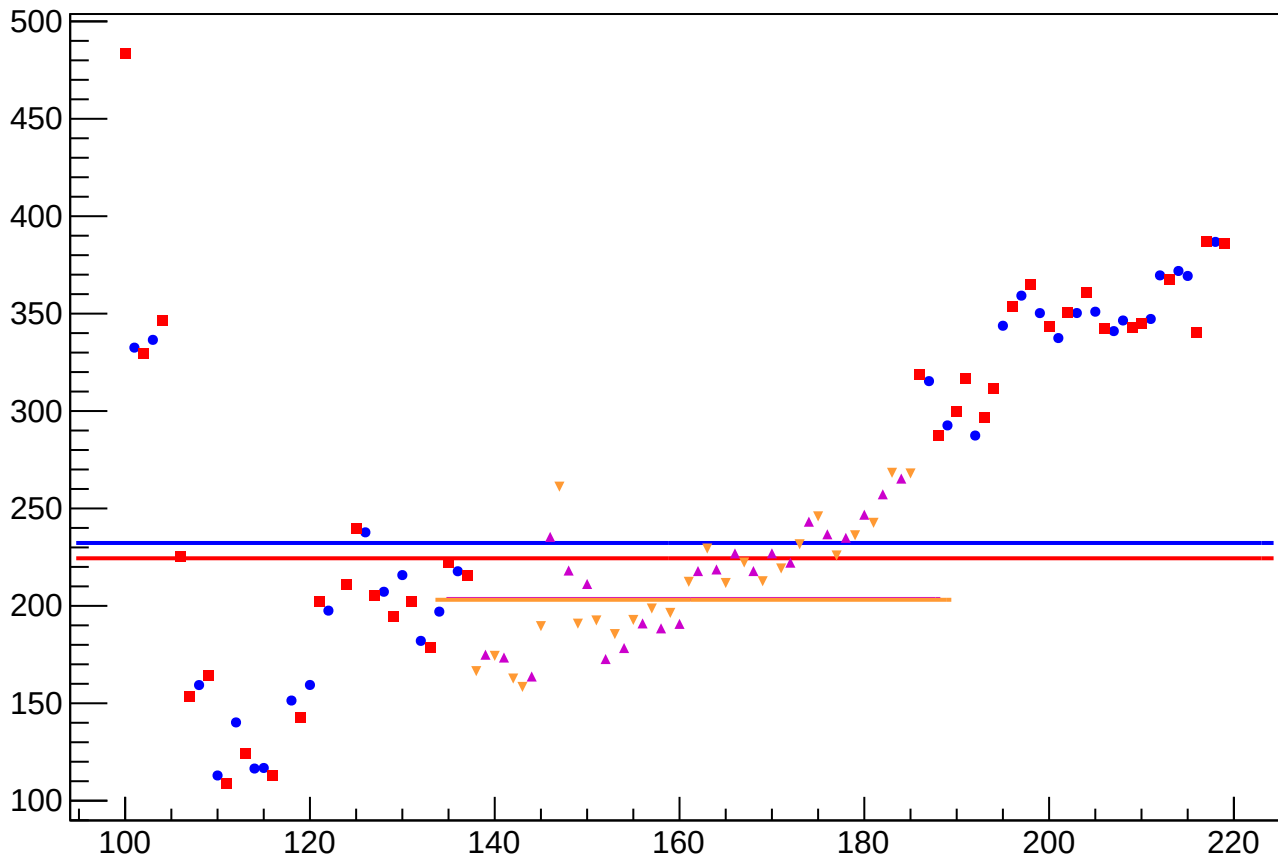
yield_bpm0l04WS_mean vs Slug



Right In: 135716.532 ± 0.056 $\chi^2/\text{NDF}: 7056630394.6/31$
 Left Out: 129504.922 ± 0.047 $\chi^2/\text{NDF}: 299464438.2/24$
 Right Out: 135911.818 ± 0.053 $\chi^2/\text{NDF}: 7856929614.9/36$
 Left In: 129437.551 ± 0.048 $\chi^2/\text{NDF}: 269025464.3/22$

+ sign 132046.988 ± 0.036 $\chi^2/\text{NDF}: 14505025126.8$
 All: 132207.840 ± 0.025 $\chi^2/\text{NDF}: 307540367.8$
 - sign 132366.190 ± 0.036 $\chi^2/\text{NDF}: 16209662333.8$

yield_bpm0l04WS_rms vs Slug



Right In: 232.285 ± 0.040 $\chi^2/\text{NDF}: 5414439.4/31$

Left Out: 203.129 ± 0.033 $\chi^2/\text{NDF}: 758448.5/24$

Right Out: 224.421 ± 0.038 $\chi^2/\text{NDF}: 6325746.0/36$

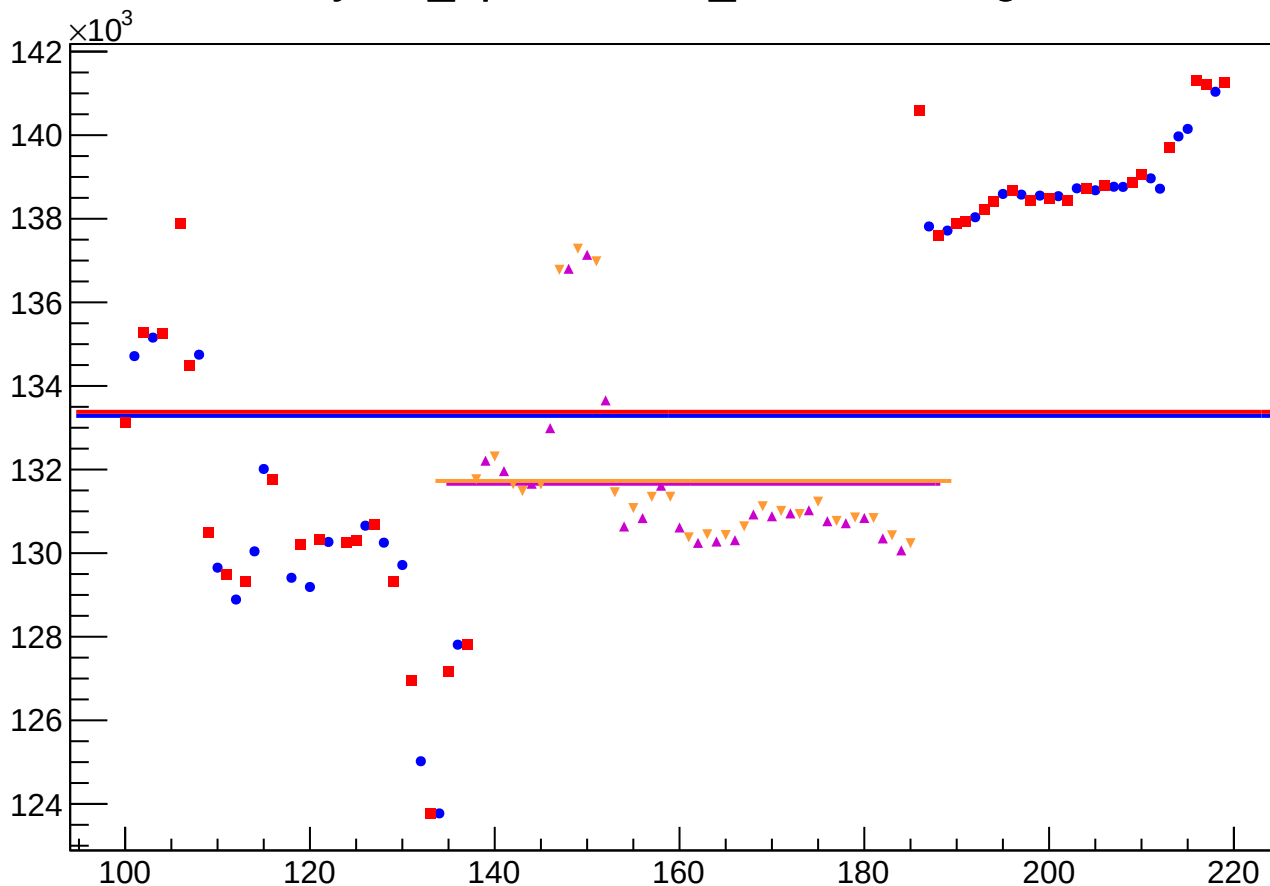
Left In: 203.546 ± 0.034 $\chi^2/\text{NDF}: 666043.6/22$

+ sign 215.061 ± 0.026 $\chi^2/\text{NDF}: 6487891.1/56$

All: 214.017 ± 0.018 $\chi^2/\text{NDF}: 13651063.1/11$

- sign 212.989 ± 0.025 $\chi^2/\text{NDF}: 7159856.4/59$

yield_bpm0l05WS_mean vs Slug



Right In: 133284.291 ± 0.051 $\chi^2/\text{NDF}: 10395755754.1/31$

Left Out: 131727.086 ± 0.047 $\chi^2/\text{NDF}: 1425045697.6/24$

Right Out: 133380.842 ± 0.048 $\chi^2/\text{NDF}: 10923268045.2/36$

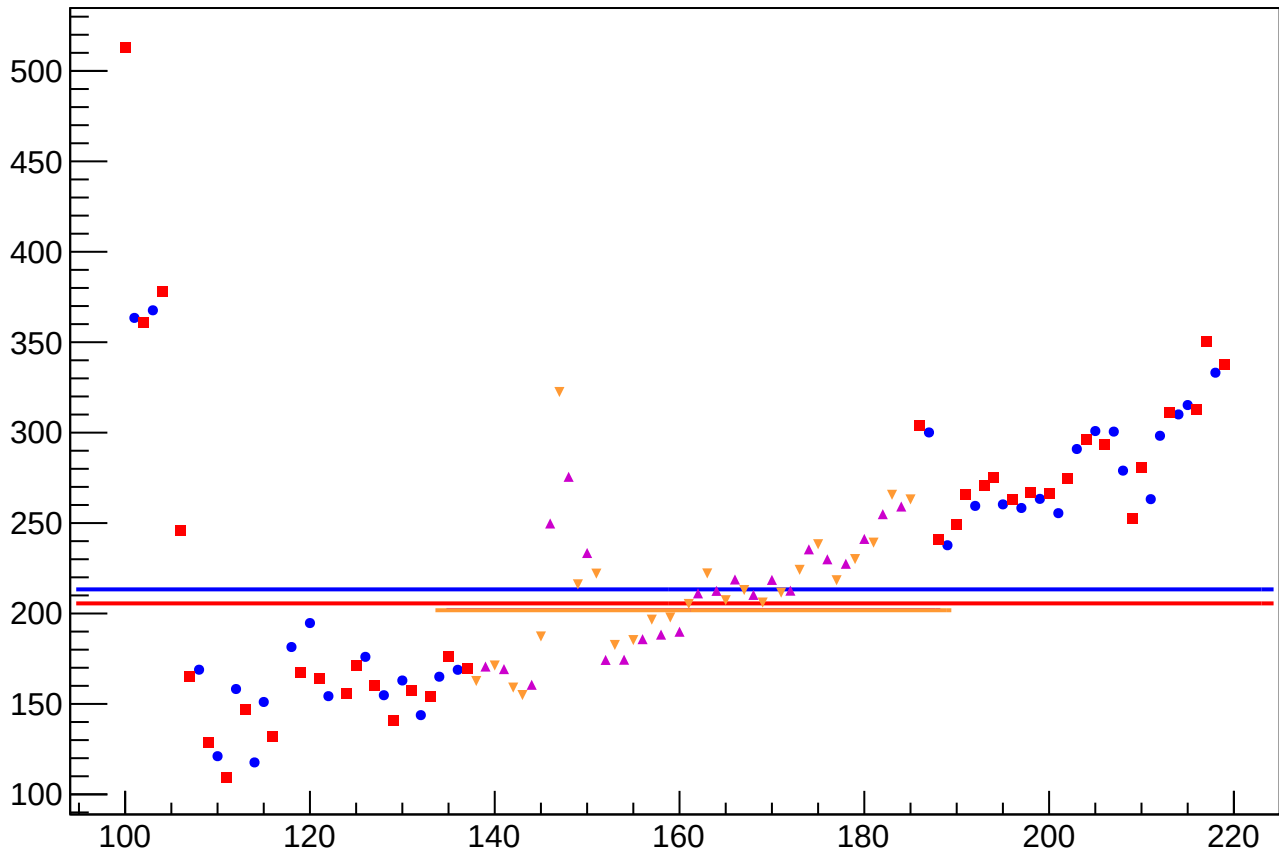
Left In: 131660.490 ± 0.048 $\chi^2/\text{NDF}: 1164380319.7/22$

+ sign 132447.147 ± 0.034 $\chi^2/\text{NDF}: 12331756445.5/24$

All: 132488.654 ± 0.024 $\chi^2/\text{NDF}: 250661076.5/36$

- sign 132529.083 ± 0.034 $\chi^2/\text{NDF}: 12731468525.5/24$

yield_bpm0l05WS_rms vs Slug



Right In: 213.336 $\pm$ 0.036 χ^2 /NDF: 3560458.3/31

Left Out: 201.798 $\pm$ 0.033 χ^2 /NDF: 905352.1/24

Right Out: 205.584 $\pm$ 0.034 χ^2 /NDF: 4651509.2/36

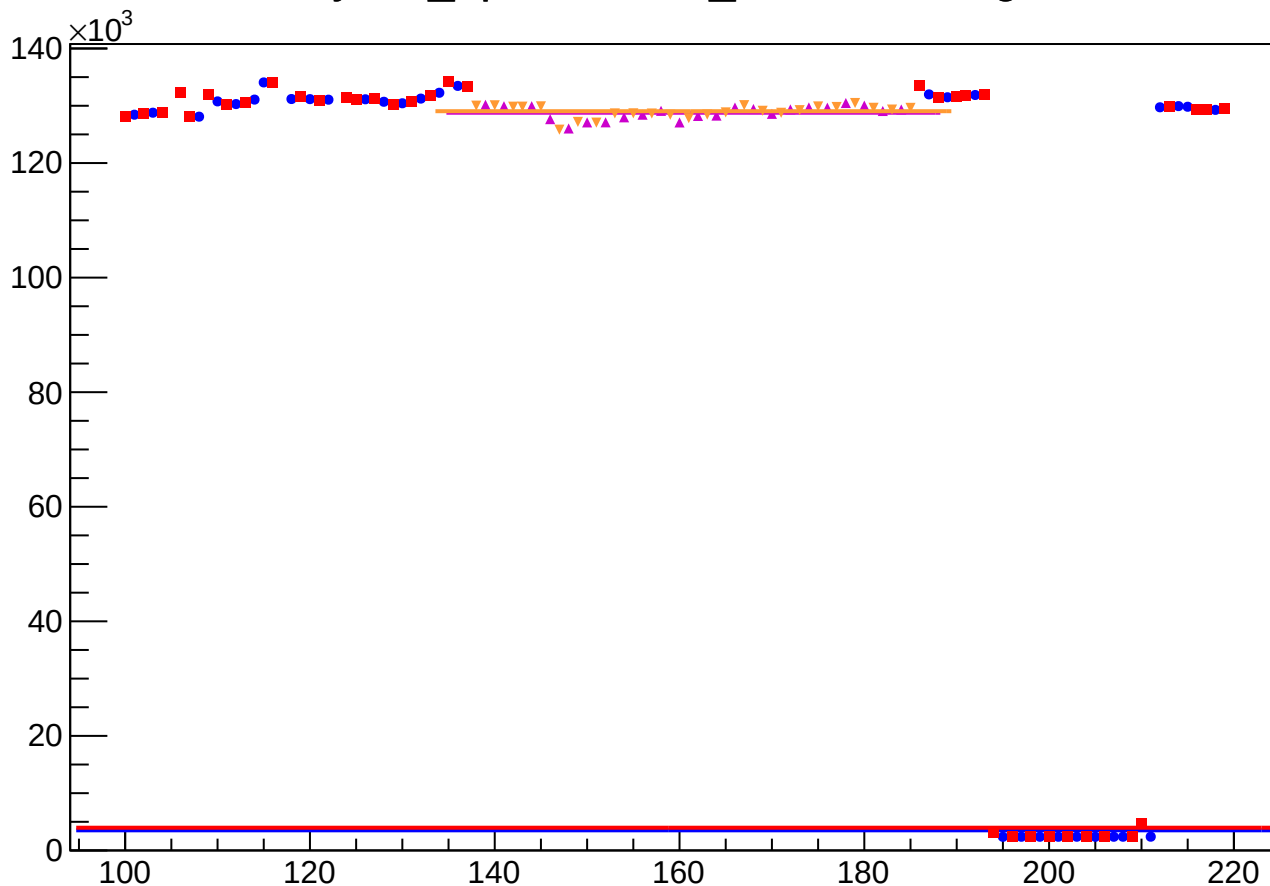
Left In: 201.947 $\pm$ 0.034 χ^2 /NDF: 802700.2/22

+ sign 207.133 $\pm$ 0.024 χ^2 /NDF: 4521911.0/56

All: 205.436 $\pm$ 0.017 χ^2 /NDF: 9991512.7/116

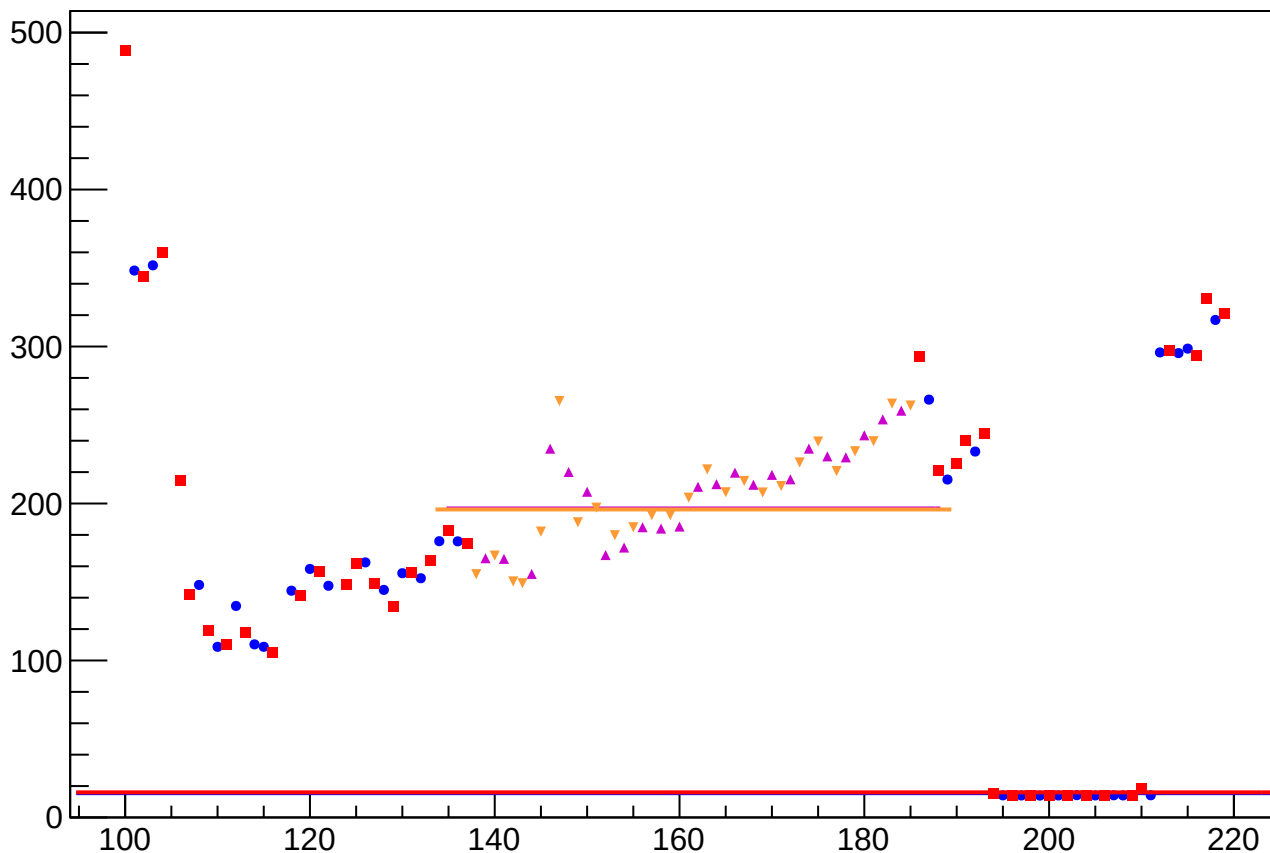
- sign 203.783 $\pm$ 0.024 χ^2 /NDF: 5459964.1/59

yield_bpm0l06WS_mean vs Slug



Right In: 3515.729 ± 0.005 $\chi^2/\text{NDF}: 5608905928654.3/31$
 Left Out: 129050.458 ± 0.045 $\chi^2/\text{NDF}: 530879250.1/24$
 Right Out: 3969.416 ± 0.005 $\chi^2/\text{NDF}: 6454135559593.5/36$
 Left In: 128783.852 ± 0.047 $\chi^2/\text{NDF}: 655675405.6/22$

yield_bpm0l06WS_rms vs Slug



Right In: 15.481 ± 0.004 $\chi^2/\text{NDF}: 20731702.8/31$

Left Out: 196.203 ± 0.032 $\chi^2/\text{NDF}: 922826.1/24$

Right Out: 15.992 ± 0.004 $\chi^2/\text{NDF}: 22576644.9/36$

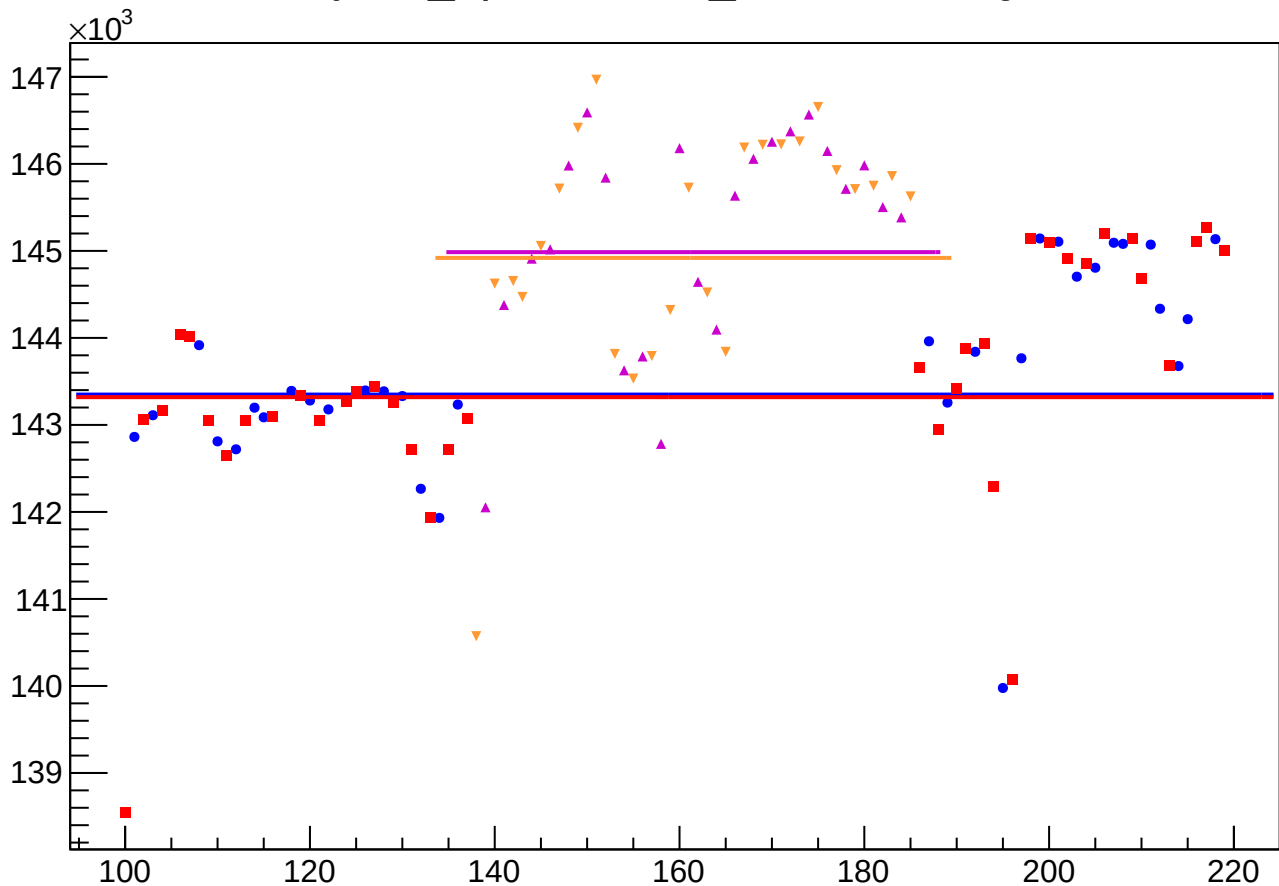
Left In: 196.840 ± 0.033 $\chi^2/\text{NDF}: 773052.6/22$

+ sign 17.684 ± 0.004 $\chi^2/\text{NDF}: 52833845.3/56$

All: 18.017 ± 0.003 $\chi^2/\text{NDF}: 105547809.5/11$

- sign 18.404 ± 0.004 $\chi^2/\text{NDF}: 52695005.0/59$

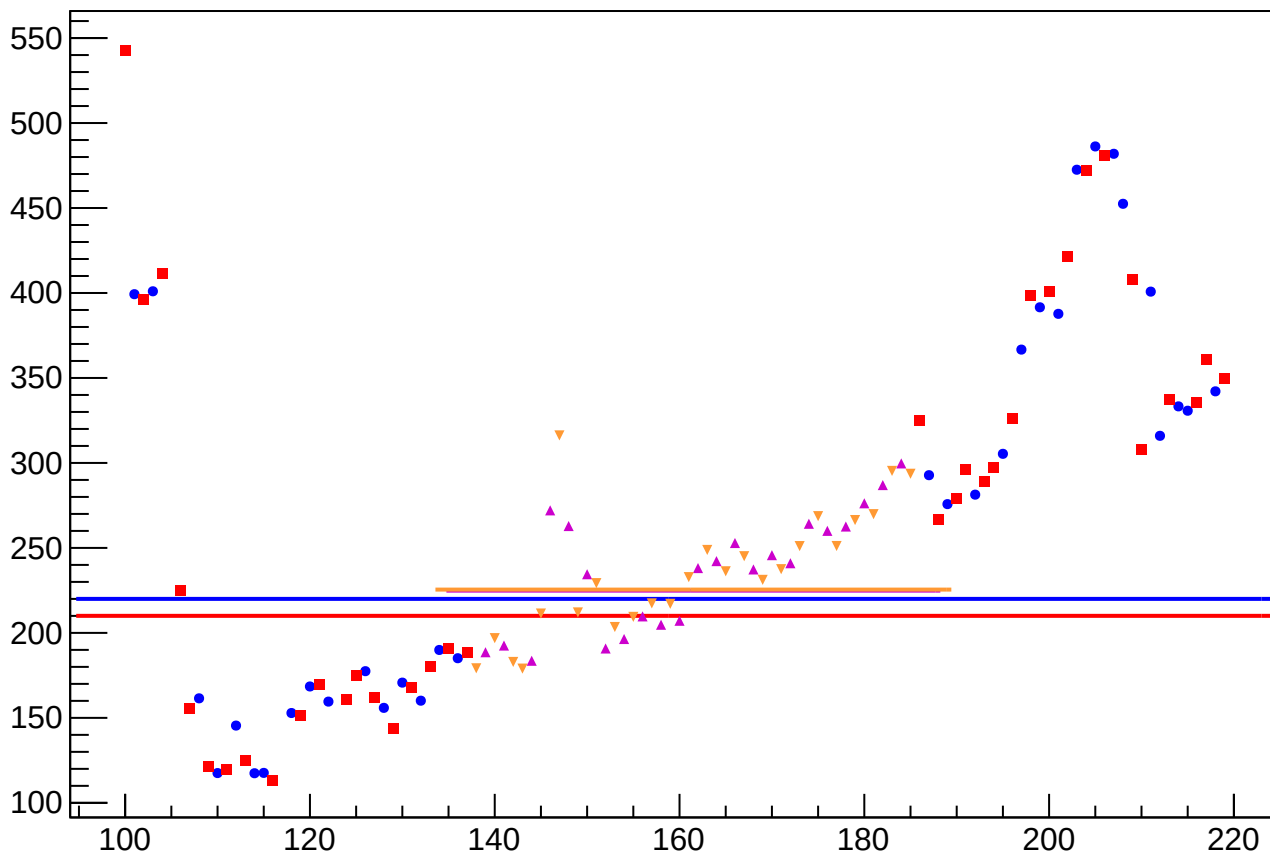
yield_bpm0l07WS_mean vs Slug



Right In: 143348.718 ± 0.055 $\chi^2/\text{NDF}: 300290162.6/31$
 Left Out: 144919.479 ± 0.052 $\chi^2/\text{NDF}: 835478710.7/24$
 Right Out: 143319.087 ± 0.051 $\chi^2/\text{NDF}: 335885206.3/36$
 Left In: 144985.586 ± 0.054 $\chi^2/\text{NDF}: 618782558.7/22$

+ sign 144168.020 ± 0.038 $\chi^2/\text{NDF}: 1568448584.5/24$
 All: 144137.132 ± 0.026 $\chi^2/\text{NDF}: 303416700.0/24$
 - sign 144107.650 ± 0.037 $\chi^2/\text{NDF}: 1464407994.3/24$

yield_bpm0l07WS_rms vs Slug



Right In: 220.007+/-0.039 χ^2/NDF : 6878844.2/31

Left Out: 225.478+/-0.037 χ^2/NDF : 775365.4/24

Right Out: 210.032+/-0.036 χ^2/NDF : 7747646.7/36

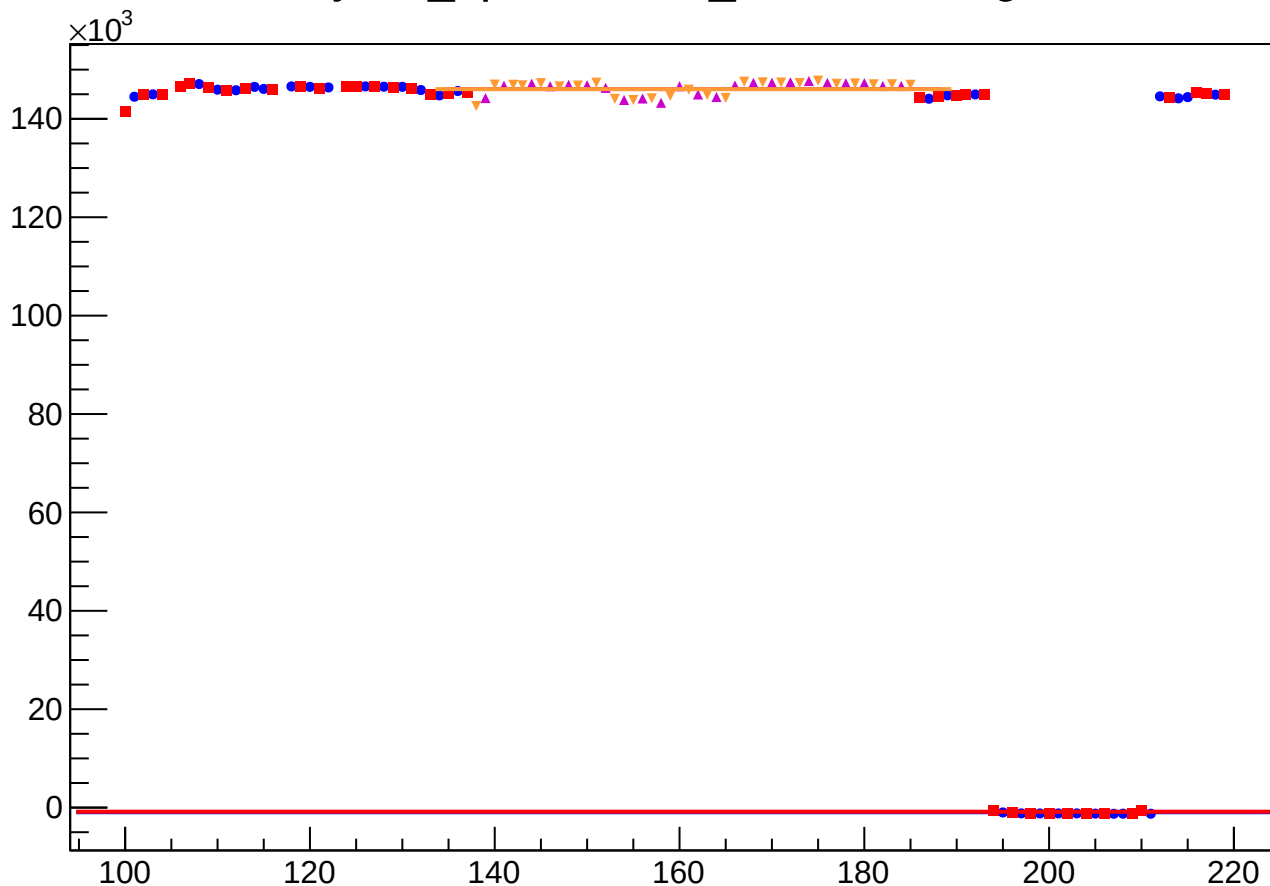
Left In: 224.869+/-0.038 χ^2/NDF : 723816.1/22

+ sign 222.861+/-0.027 χ^2/NDF : 7664710.8/56

All: 219.889+/-0.019 χ^2/NDF : 16241240.2/11

- sign 217.052+/-0.026 χ^2/NDF : 8552268.3/59

yield_bpm0l08WS_mean vs Slug



Right In: -937.090 $\pm$ 0.003 χ^2 /NDF: 6048627799918.9/31

Left Out: 146042.636 $\pm$ 0.052 χ^2 /NDF: 882705044.1/24

Right Out: -832.721 $\pm$ 0.003 χ^2 /NDF: 7070981053921.7/36

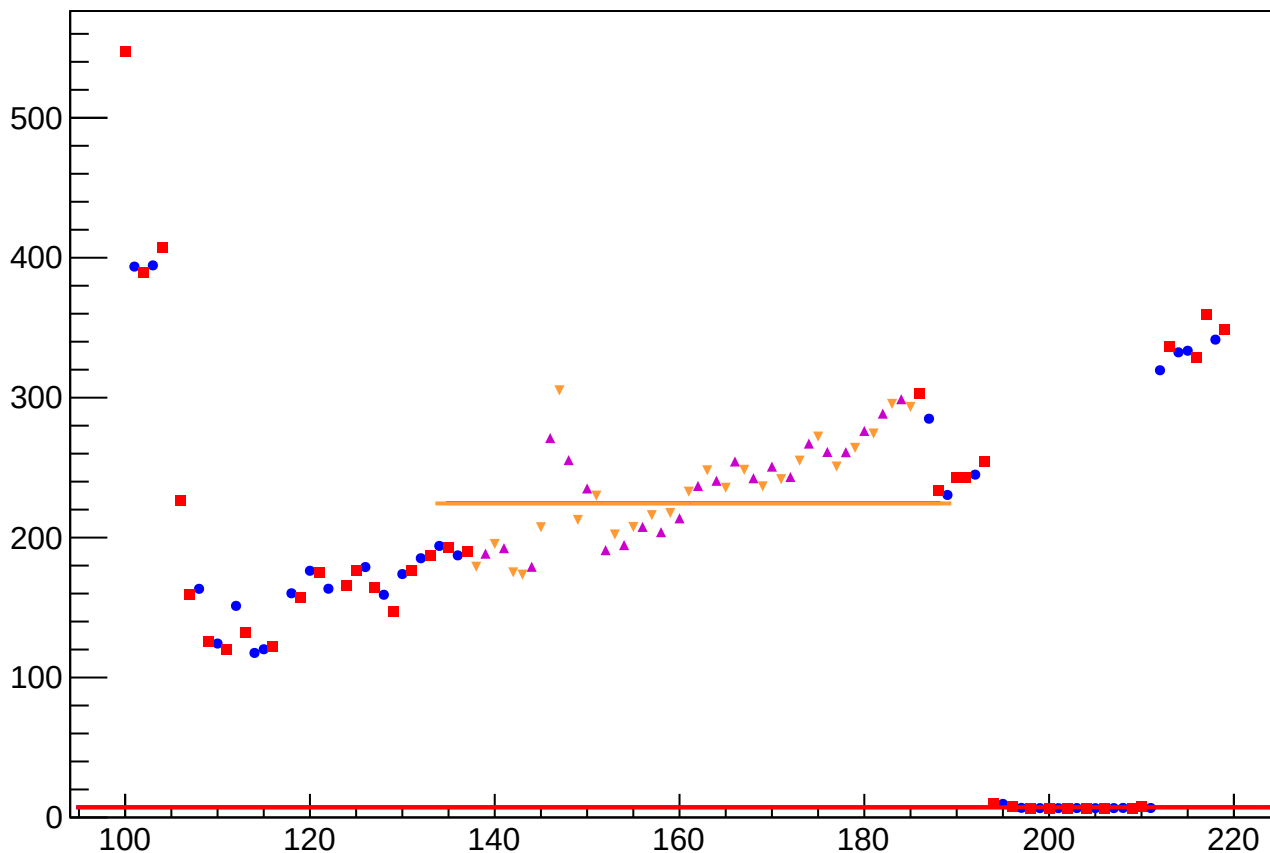
Left In: 146056.687 $\pm$ 0.054 χ^2 /NDF: 698743124.4/22

+ sign -597.372 $\pm$ 0.003 χ^2 /NDF: 14017283746616

All: -535.567 $\pm$ 0.002 χ^2 /NDF: 28592353466

- sign -464.471 $\pm$ 0.003 χ^2 /NDF: 14573755961015

yield_bpm0l08WS_rms vs Slug



Right In: 7.228 ± 0.002 χ^2/NDF : 22812627.8/31

Left Out: 224.409 ± 0.037 χ^2/NDF : 849100.4/24

Right Out: 7.297 ± 0.002 χ^2/NDF : 24871539.7/36

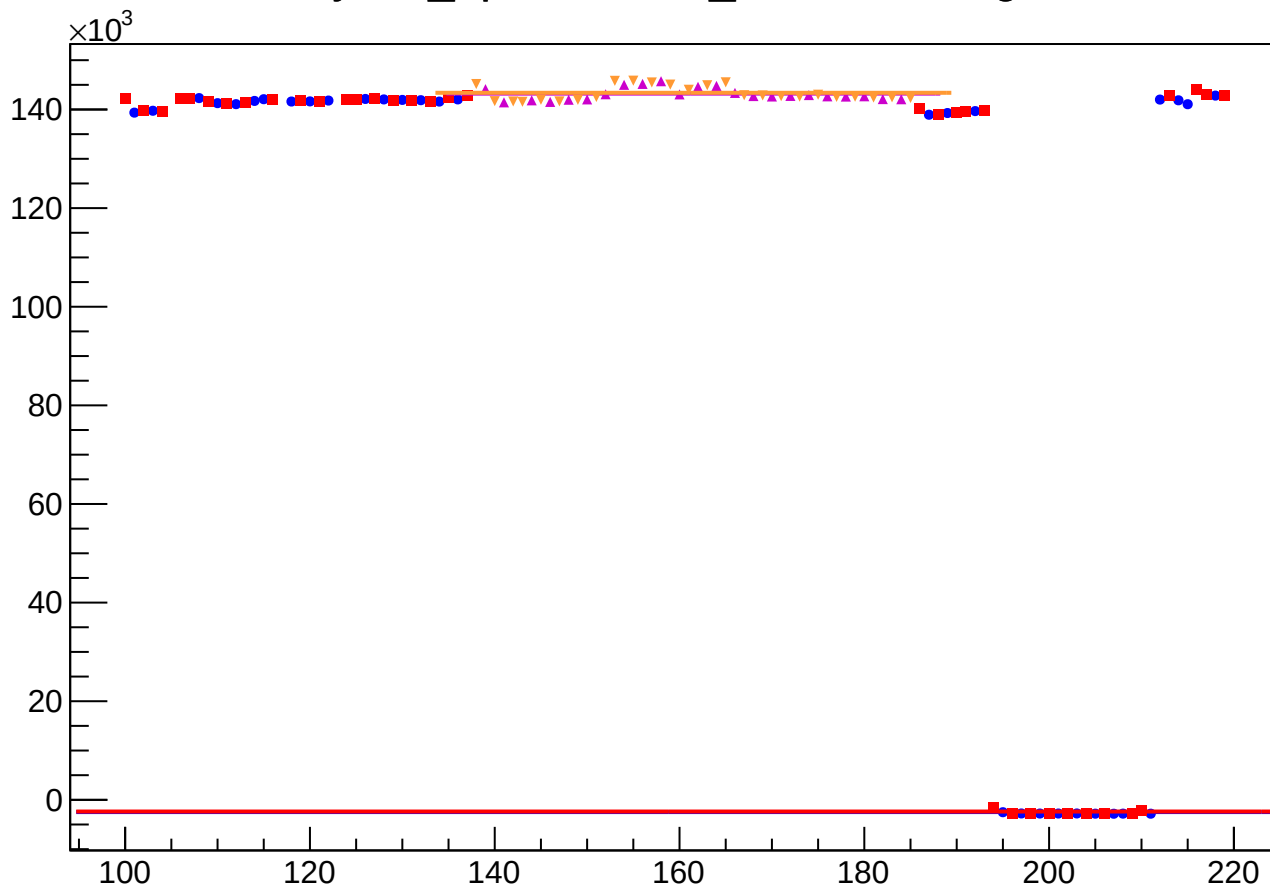
Left In: 224.655 ± 0.038 χ^2/NDF : 756996.8/22

+ sign 7.730 ± 0.002 χ^2/NDF : 58455024.6/56

All: 7.782 ± 0.001 χ^2/NDF : 116938849.5/116

- sign 7.842 ± 0.002 χ^2/NDF : 58481981.8/59

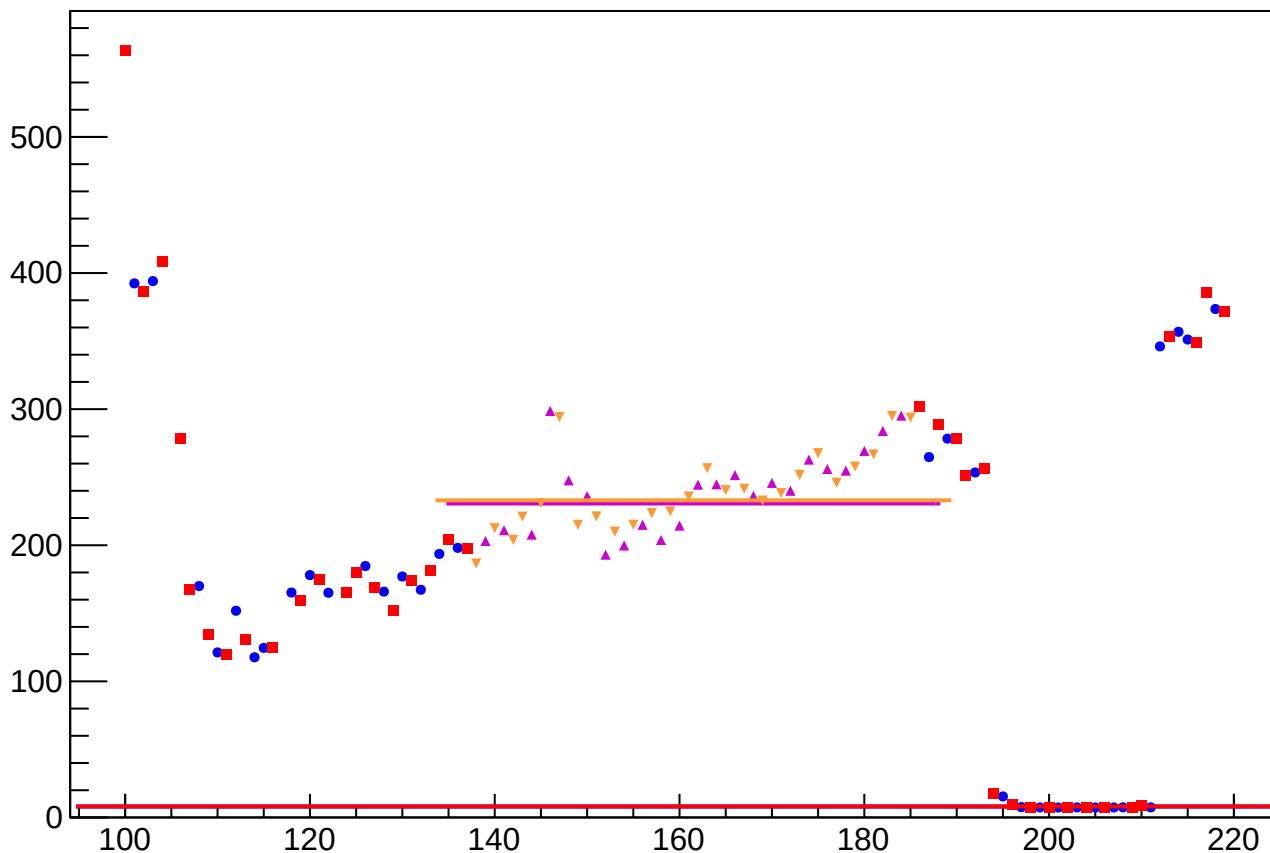
yield_bpm0l09WS_mean vs Slug



Right In: -2479.545 ± 0.003 $\chi^2/\text{NDF}: 5536311137751.6/31$
 Left Out: 143386.915 ± 0.054 $\chi^2/\text{NDF}: 784001363.1/24$
 Right Out: -2368.817 ± 0.003 $\chi^2/\text{NDF}: 6367953722242.8/36$
 Left In: 143221.802 ± 0.055 $\chi^2/\text{NDF}: 540234973.1/22$

+ sign -2084.793 ± 0.003 $\chi^2/\text{NDF}: 1289991876297$
 All: -2014.695 ± 0.002 $\chi^2/\text{NDF}: 2629945833$
 - sign -1933.998 ± 0.003 $\chi^2/\text{NDF}: 13398184288078$

yield_bpm0l09WS_rms vs Slug



Right In: 8.014 ± 0.002 χ^2/NDF : 22952726.3/31

Left Out: 233.007 ± 0.038 χ^2/NDF : 446120.9/24

Right Out: 8.109 ± 0.002 χ^2/NDF : 24898687.8/36

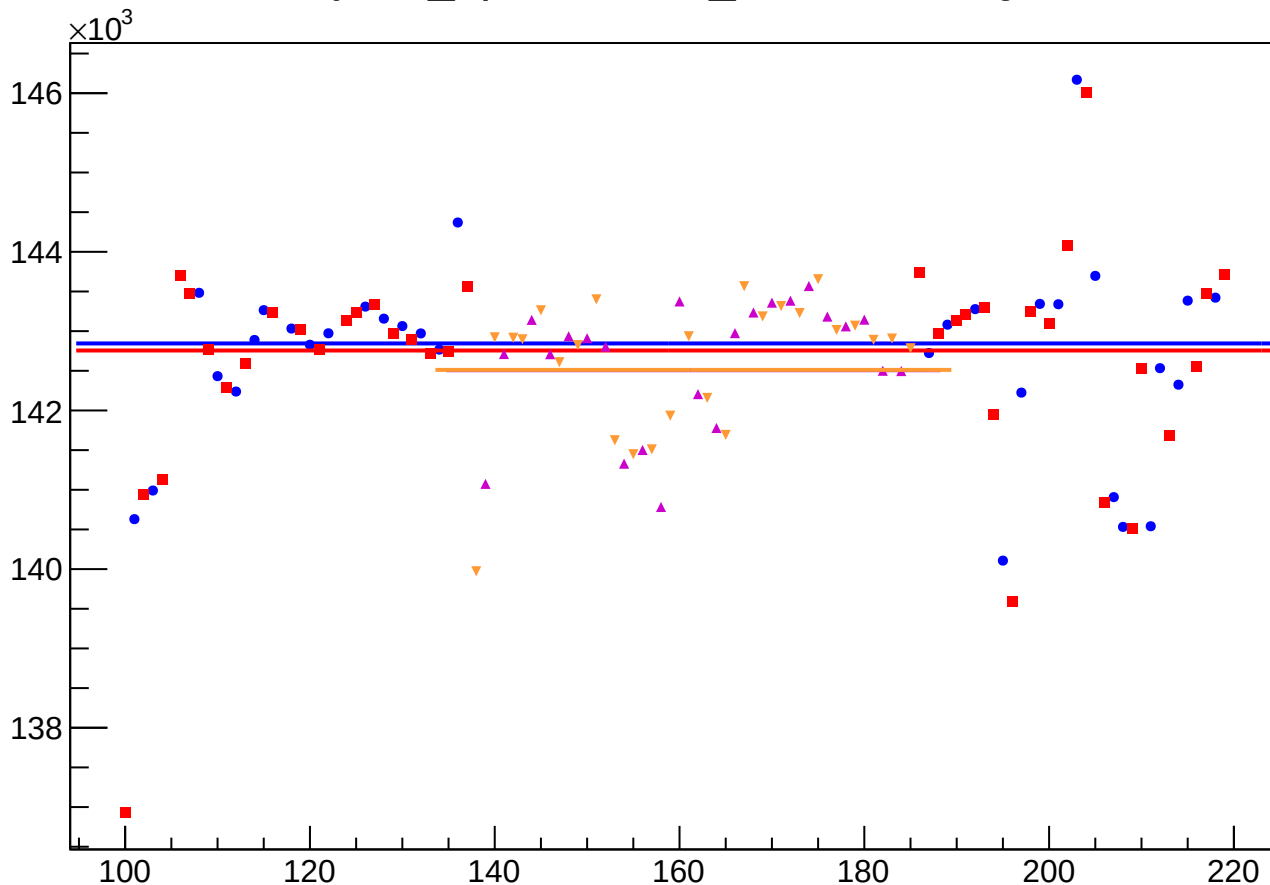
Left In: 230.693 ± 0.039 χ^2/NDF : 512017.9/22

+ sign 8.623 ± 0.002 χ^2/NDF : 58433834.7/56

All: 8.693 ± 0.001 χ^2/NDF : 116708621.8/116

- sign 8.774 ± 0.002 χ^2/NDF : 58272051.7/59

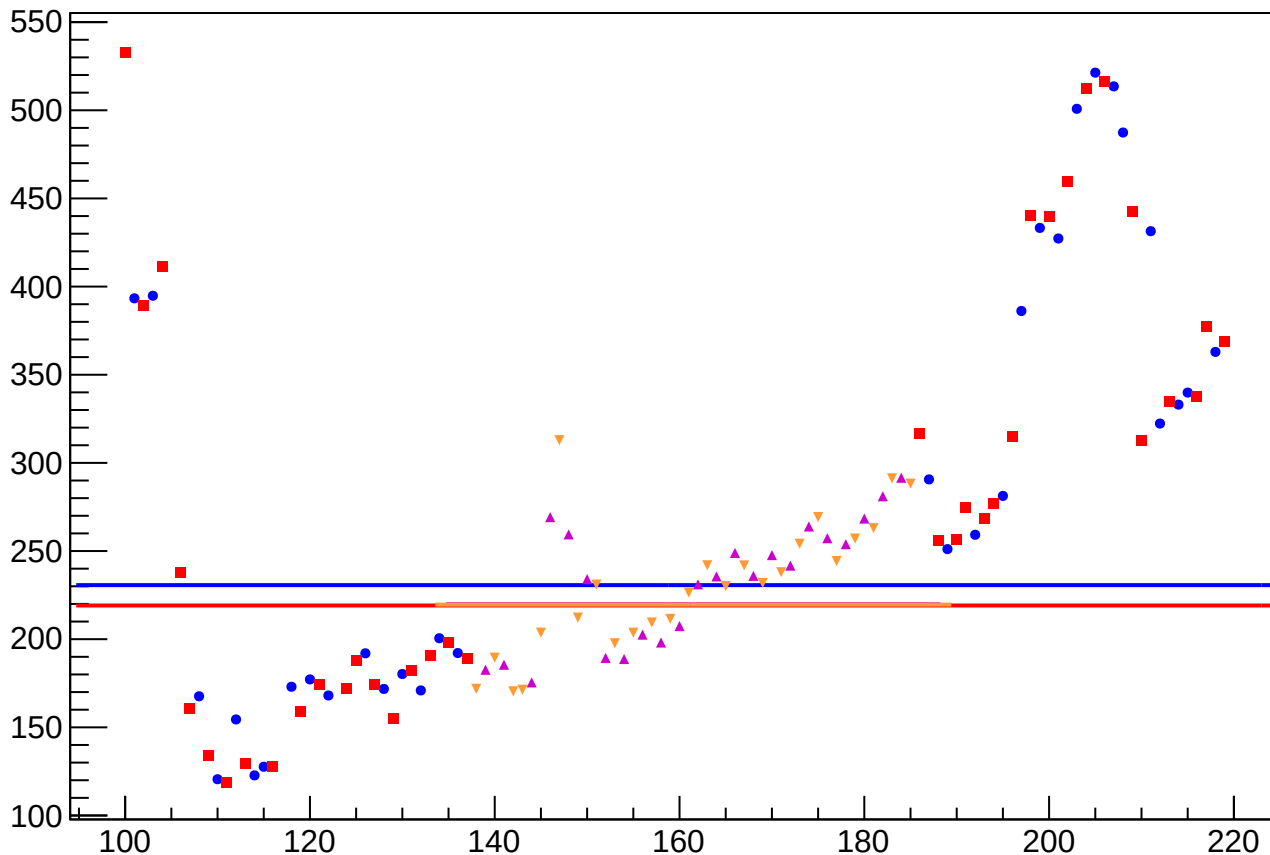
yield_bpm0l10WS_mean vs Slug



Right In: 142844.950 ± 0.057 $\chi^2/\text{NDF}: 302631421.4/31$
 Left Out: 142511.381 ± 0.051 $\chi^2/\text{NDF}: 338087157.2/24$
 Right Out: 142756.107 ± 0.053 $\chi^2/\text{NDF}: 256602722.0/36$
 Left In: 142507.563 ± 0.052 $\chi^2/\text{NDF}: 269272097.4/22$

+ sign 142659.367 ± 0.038 $\chi^2/\text{NDF}: 659772006.1/5$
 All: 142644.933 ± 0.027 $\chi^2/\text{NDF}: 119711241$
 - sign 142631.105 ± 0.037 $\chi^2/\text{NDF}: 537057411.7/5$

yield_bpm0l10WS_rms vs Slug



Right In: 230.661+/-0.040 χ^2/NDF : 6567788.3/31

Left Out: 219.618+/-0.036 χ^2/NDF : 902026.4/24

Right Out: 219.116+/-0.037 χ^2/NDF : 7338722.8/36

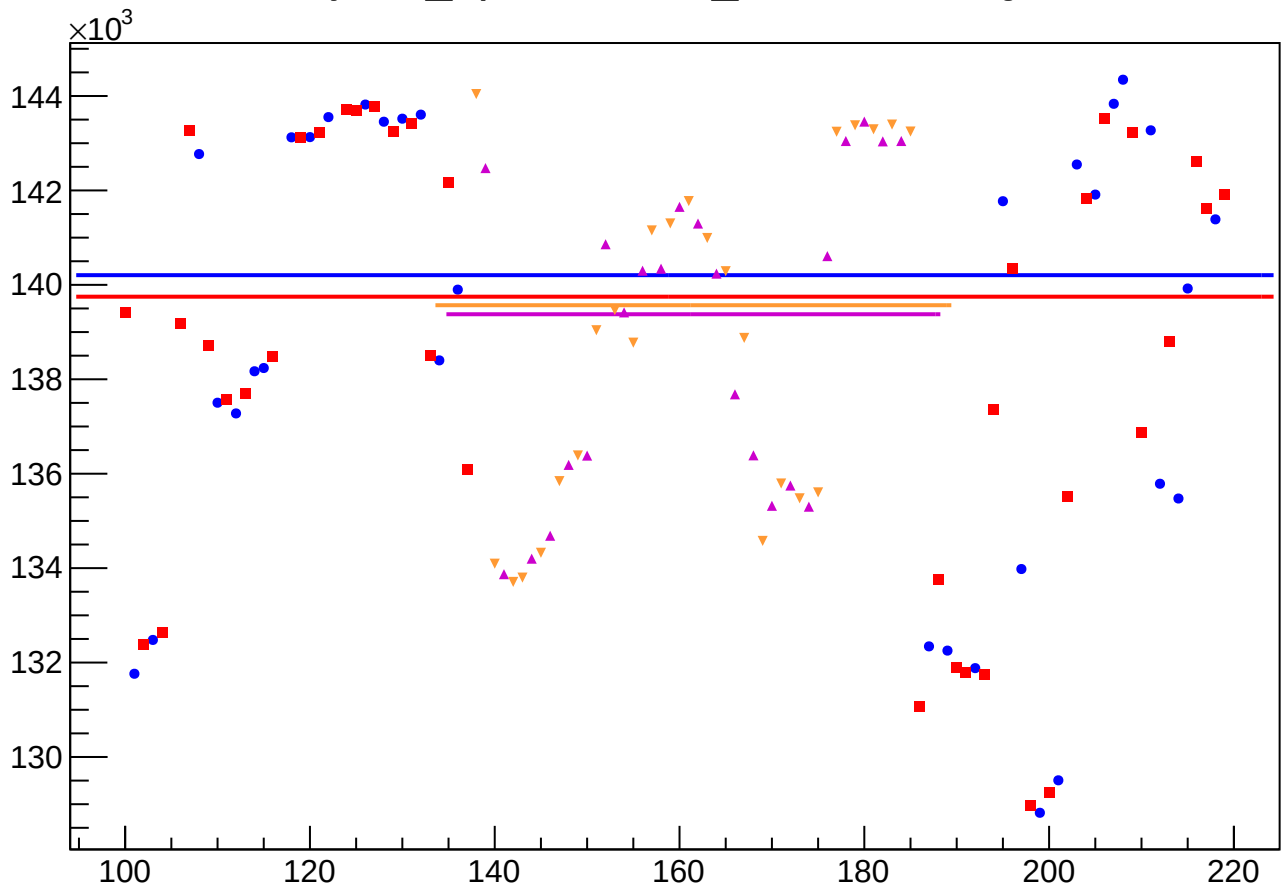
Left In: 219.813+/-0.037 χ^2/NDF : 805501.8/22

+ sign 224.517+/-0.027 χ^2/NDF : 7511580.6/56

All: 221.938+/-0.019 χ^2/NDF : 15674057.5/11

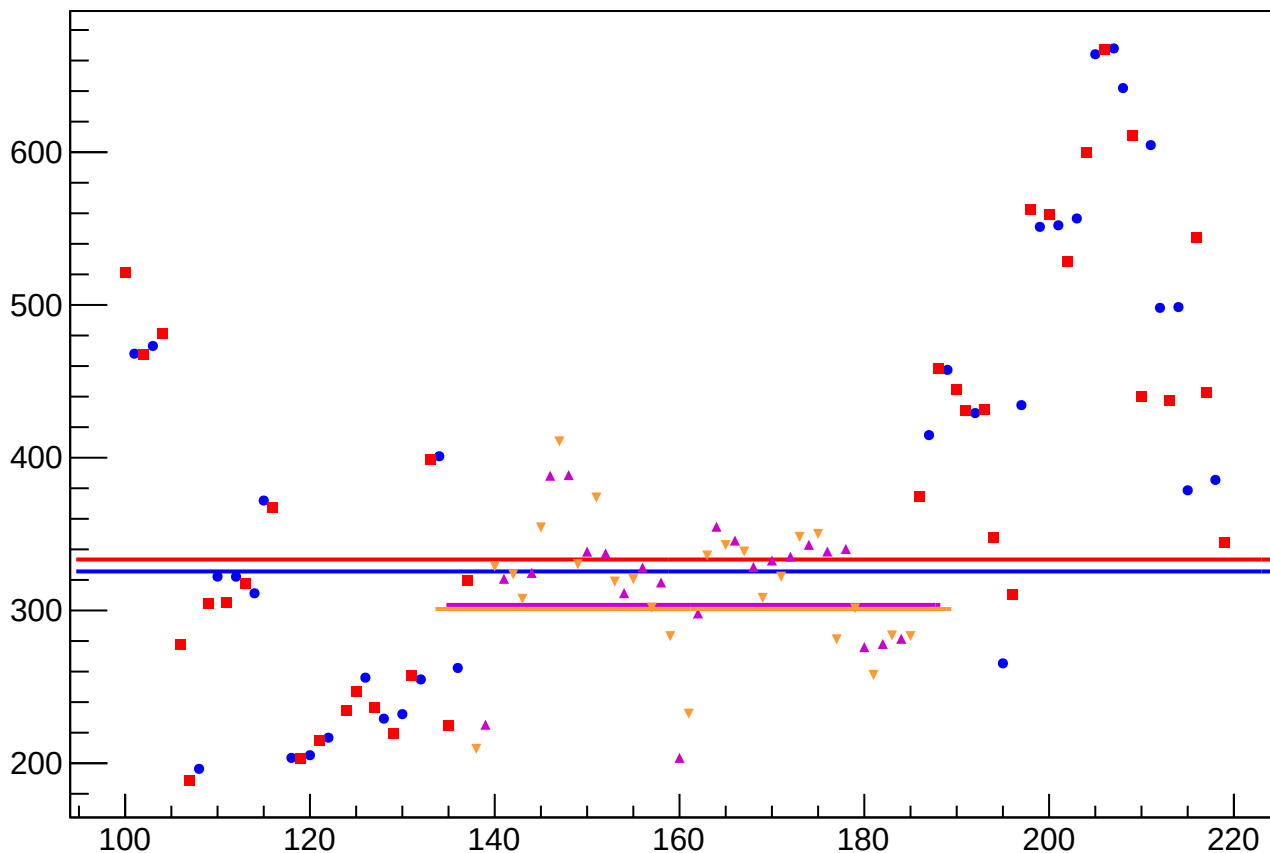
- sign 219.467+/-0.026 χ^2/NDF : 8144400.8/59

yield_bpm0r03WS_mean vs Slug



Right In: 140205.227 $\pm$ 0.079	χ^2/NDF : 2810180665.4/31	+ sign 139846.824 $\pm$ 0.053	χ^2/NDF : 5432912826.5
Left Out: 139568.750 $\pm$ 0.070	χ^2/NDF : 2586638805.4/24	All: 139701.044 $\pm$ 0.037	χ^2/NDF : 102808085
Right Out: 139749.470 $\pm$ 0.078	χ^2/NDF : 2898718252.6/36	- sign 139551.377 $\pm$ 0.053	χ^2/NDF : 4832297540.5/
Left In: 139377.582 $\pm$ 0.073	χ^2/NDF : 1921434868.2/22		

yield_bpm0r03WS_rms vs Slug



Right In: 325.552 ± 0.056 $\chi^2/\text{NDF}: 5316759.1/31$

Left Out: 300.964 ± 0.050 $\chi^2/\text{NDF}: 876889.9/24$

Right Out: 333.379 ± 0.055 $\chi^2/\text{NDF}: 4846164.6/36$

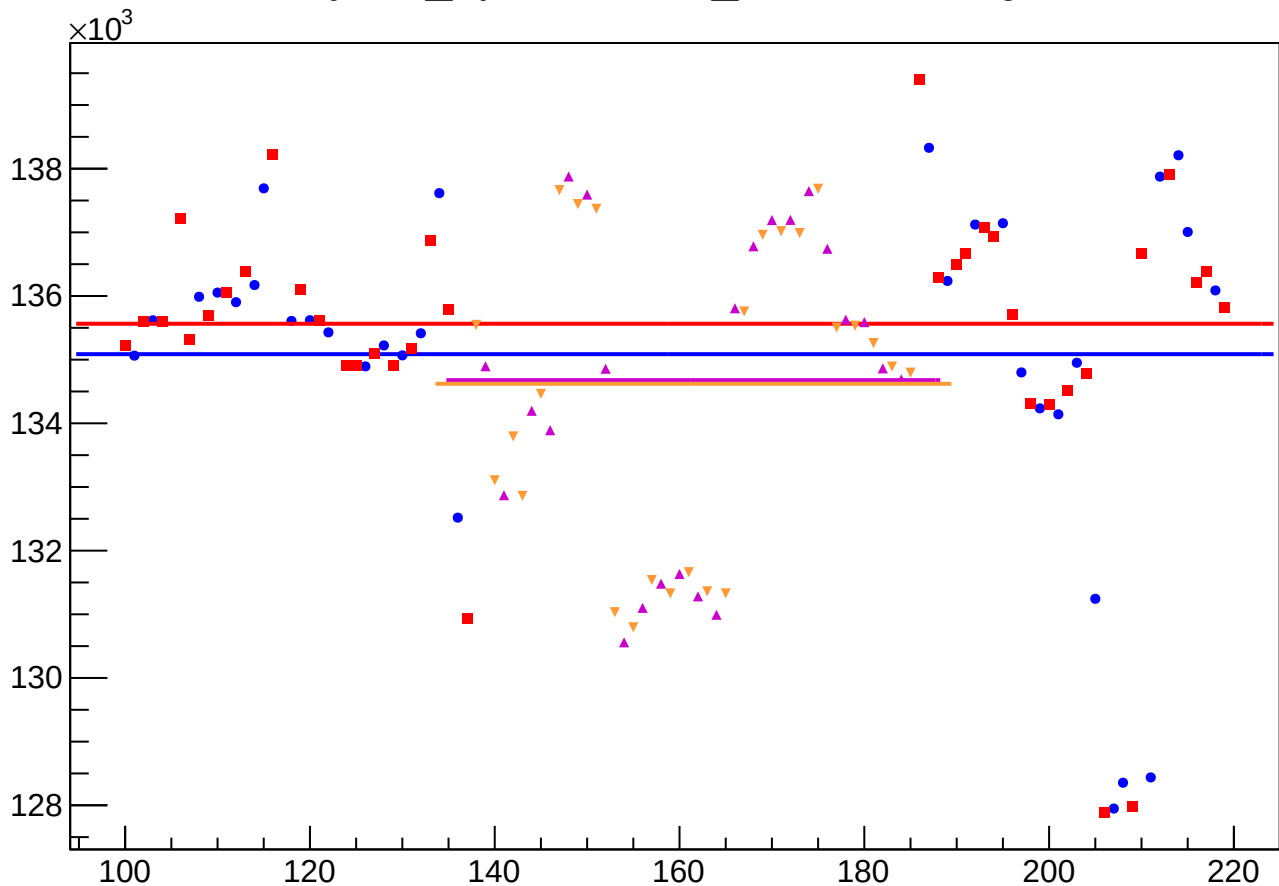
Left In: 303.658 ± 0.052 $\chi^2/\text{NDF}: 976252.9/22$

+ sign 311.706 ± 0.037 $\chi^2/\text{NDF}: 6301377.7/56$

All: 314.589 ± 0.026 $\chi^2/\text{NDF}: 12291124.3/11$

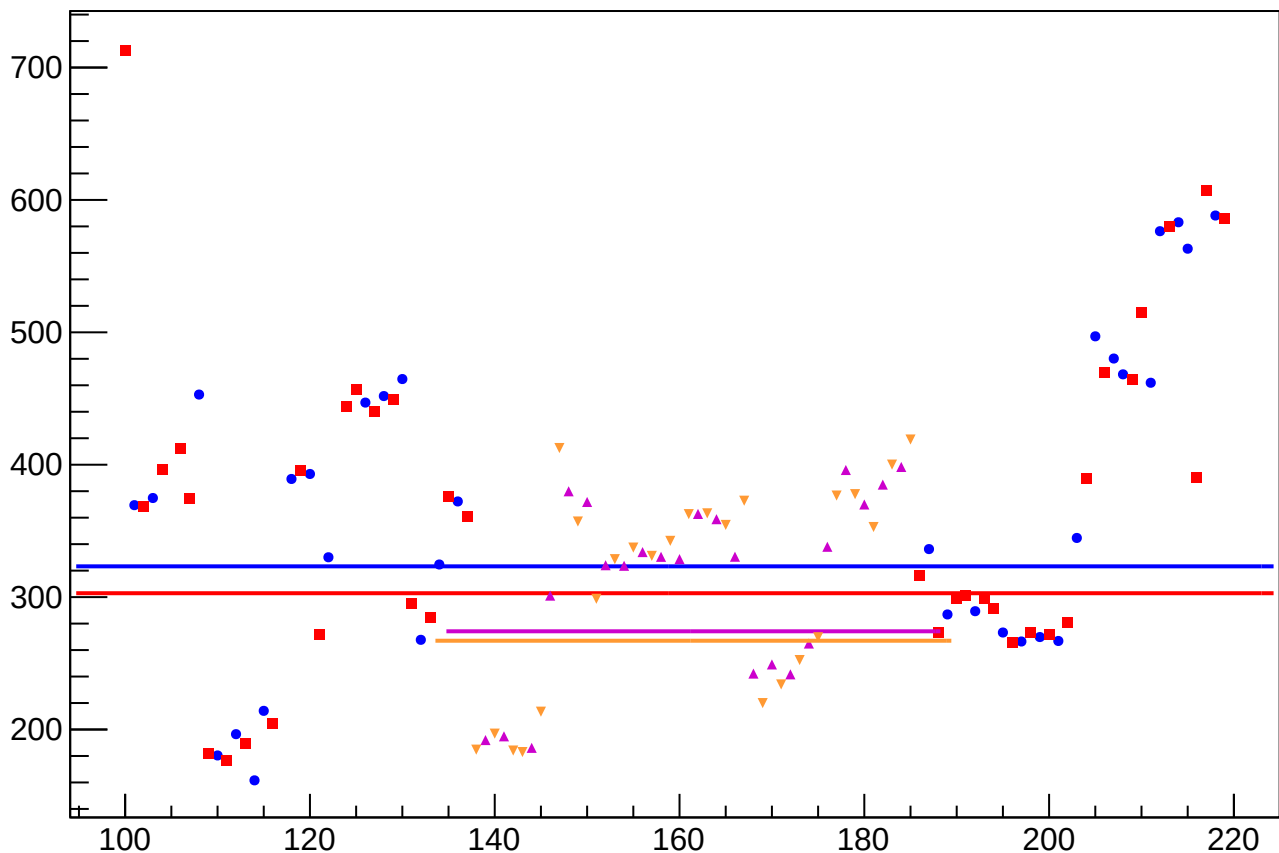
- sign 317.548 ± 0.038 $\chi^2/\text{NDF}: 5977551.2/59$

yield_bpm0r05WS_mean vs Slug



Right In: 135086.267 $\pm$ 0.077	χ^2 /NDF: 896620729.4/31	+ sign 134811.272 $\pm$ 0.049	χ^2 /NDF: 2119907718.9
Left Out: 134620.993 $\pm$ 0.064	χ^2 /NDF: 1201492843.7/24	All: 134958.997 $\pm$ 0.034	χ^2 /NDF: 410351363
Right Out: 135564.195 $\pm$ 0.070	χ^2 /NDF: 785468480.5/36	- sign 135102.524 $\pm$ 0.048	χ^2 /NDF: 1965685421.8/
Left In: 134678.497 $\pm$ 0.067	χ^2 /NDF: 1096295429.9/22		

yield_bpm0r05WS_rms vs Slug



Right In: 323.240 $\pm$ 0.054 χ^2 /NDF: 3948566.1/31

Left Out: 267.053 $\pm$ 0.045 χ^2 /NDF: 2843307.1/24

Right Out: 302.938 $\pm$ 0.049 χ^2 /NDF: 4149457.0/36

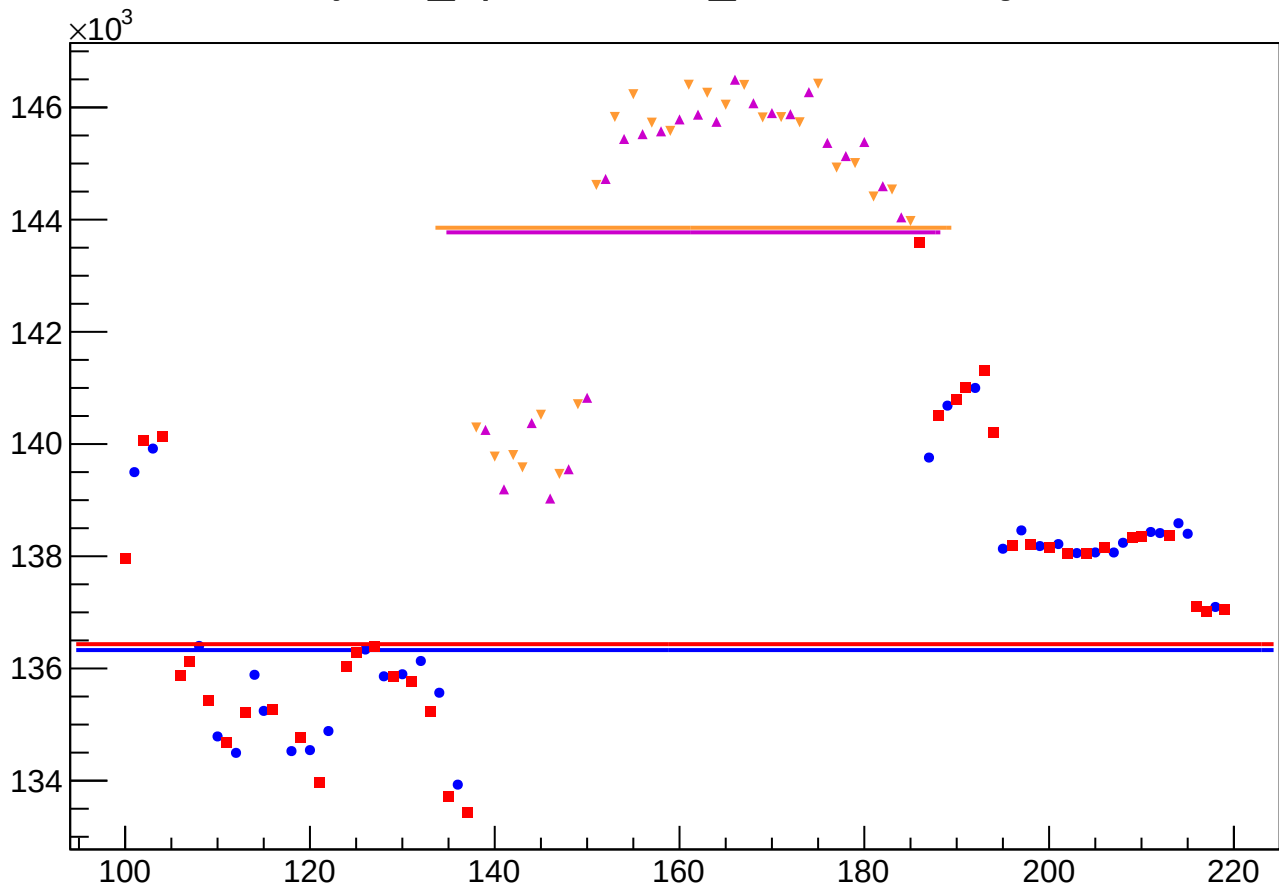
Left In: 274.177 $\pm$ 0.047 χ^2 /NDF: 2236755.2/22

+ sign 290.032 $\pm$ 0.035 χ^2 /NDF: 7427531.4/56

All: 288.974 $\pm$ 0.024 χ^2 /NDF: 13992562.1/11

- sign 287.946 $\pm$ 0.034 χ^2 /NDF: 6563193.4/59

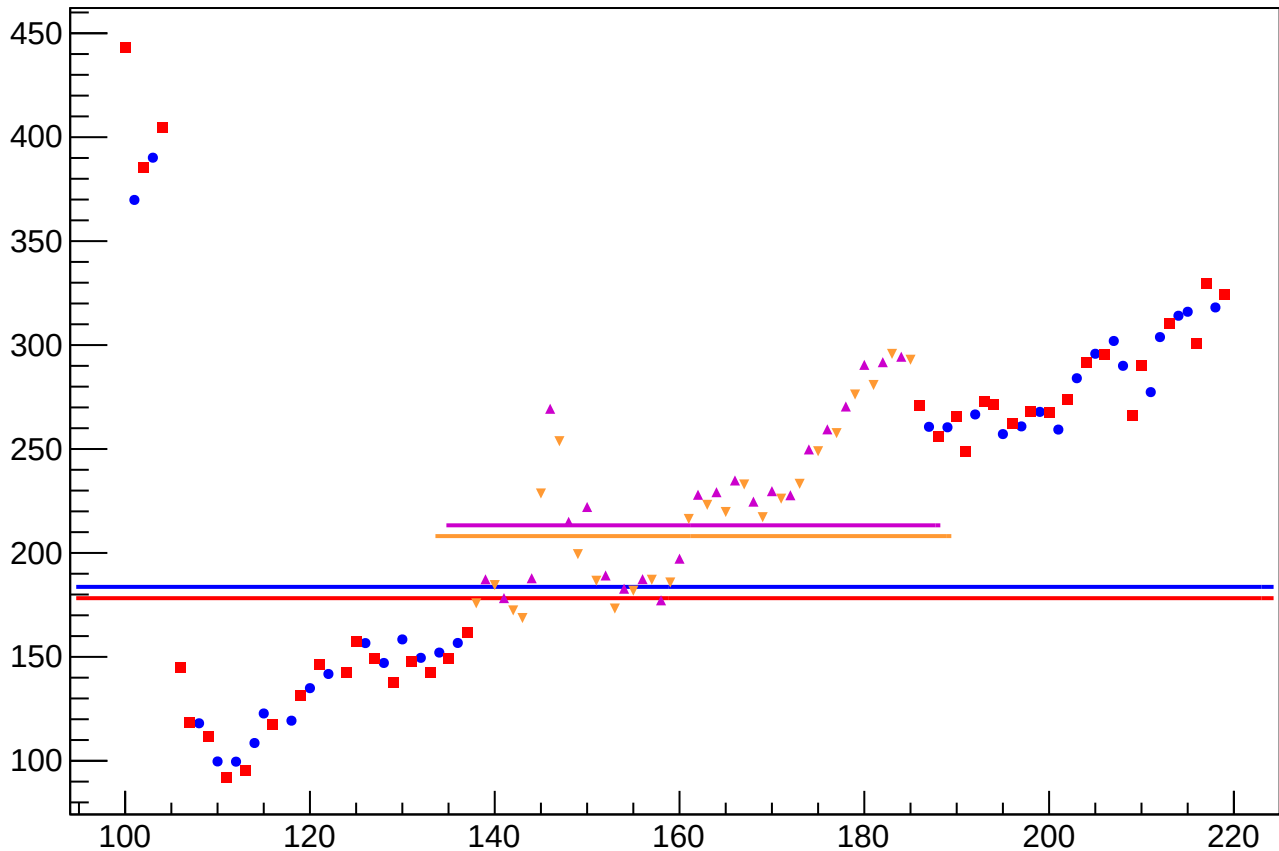
yield_bpm0i02WS_mean vs Slug



Right In: 136327.747 ± 0.045 $\chi^2/\text{NDF}: 1744214535.5/31$
 Left Out: 143855.894 ± 0.048 $\chi^2/\text{NDF}: 3130204188.4/24$
 Right Out: 136433.142 ± 0.043 $\chi^2/\text{NDF}: 2310730372.2/36$
 Left In: 143773.112 ± 0.051 $\chi^2/\text{NDF}: 2803362782.2/22$

+ sign 139820.314 ± 0.033 $\chi^2/\text{NDF}: 17878623104.$
 All: 139640.419 ± 0.023 $\chi^2/\text{NDF}: 352536958$
 - sign 139462.782 ± 0.033 $\chi^2/\text{NDF}: 17315730516.7$

yield_bpm0i02WS_rms vs Slug



Right In: 183.677 $\pm$ 0.032 χ^2 /NDF: 6147700.8/31

Left Out: 208.100 $\pm$ 0.034 χ^2 /NDF:993011.6/24

Right Out: 178.241 $\pm$ 0.030 χ^2 /NDF: 7070972.4/36

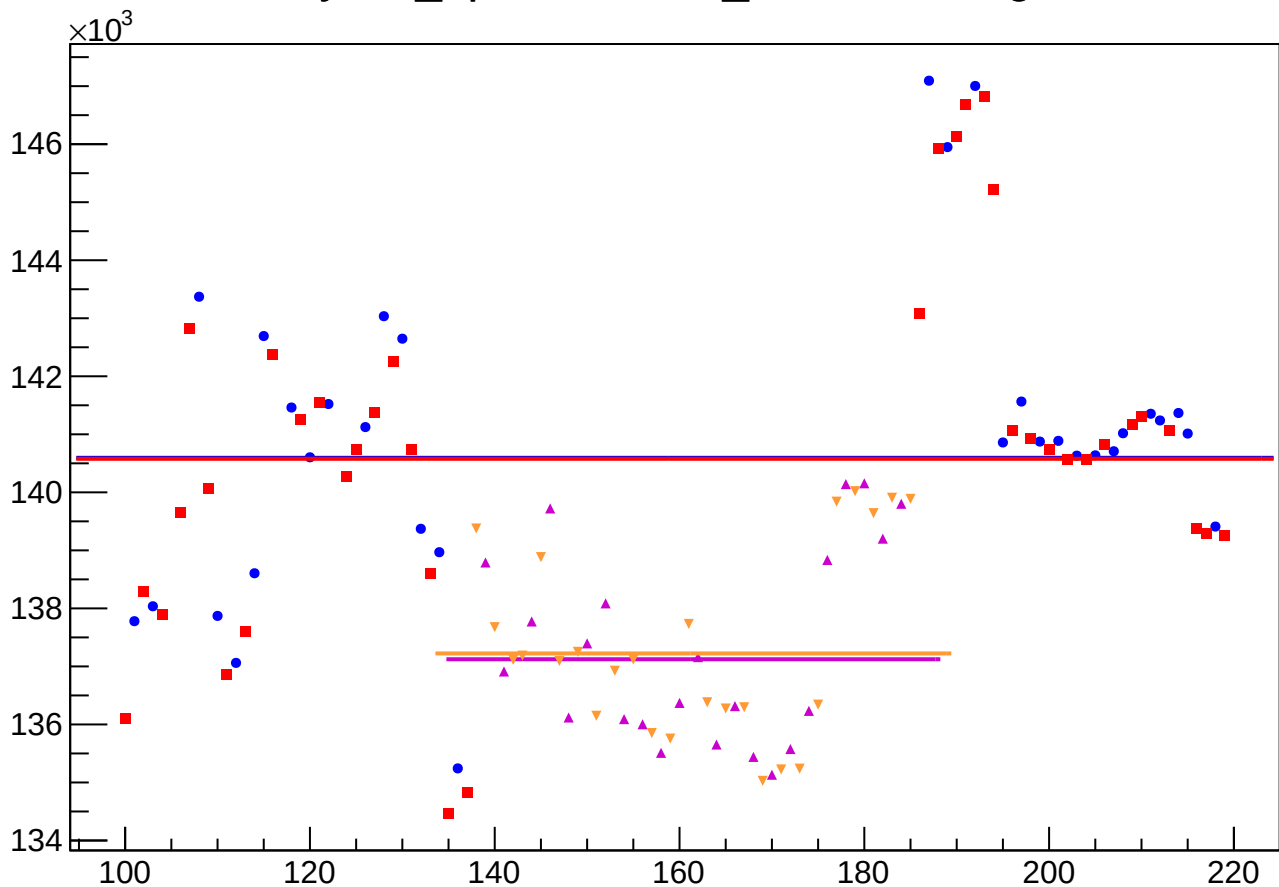
Left In: 213.288 $\pm$ 0.036 χ^2 /NDF:865525.4/22

+ sign 195.008 $\pm$ 0.023 χ^2 /NDF: 7414457.8/56

All: 193.850 $\pm$ 0.016 χ^2 /NDF: 15912237.8/1

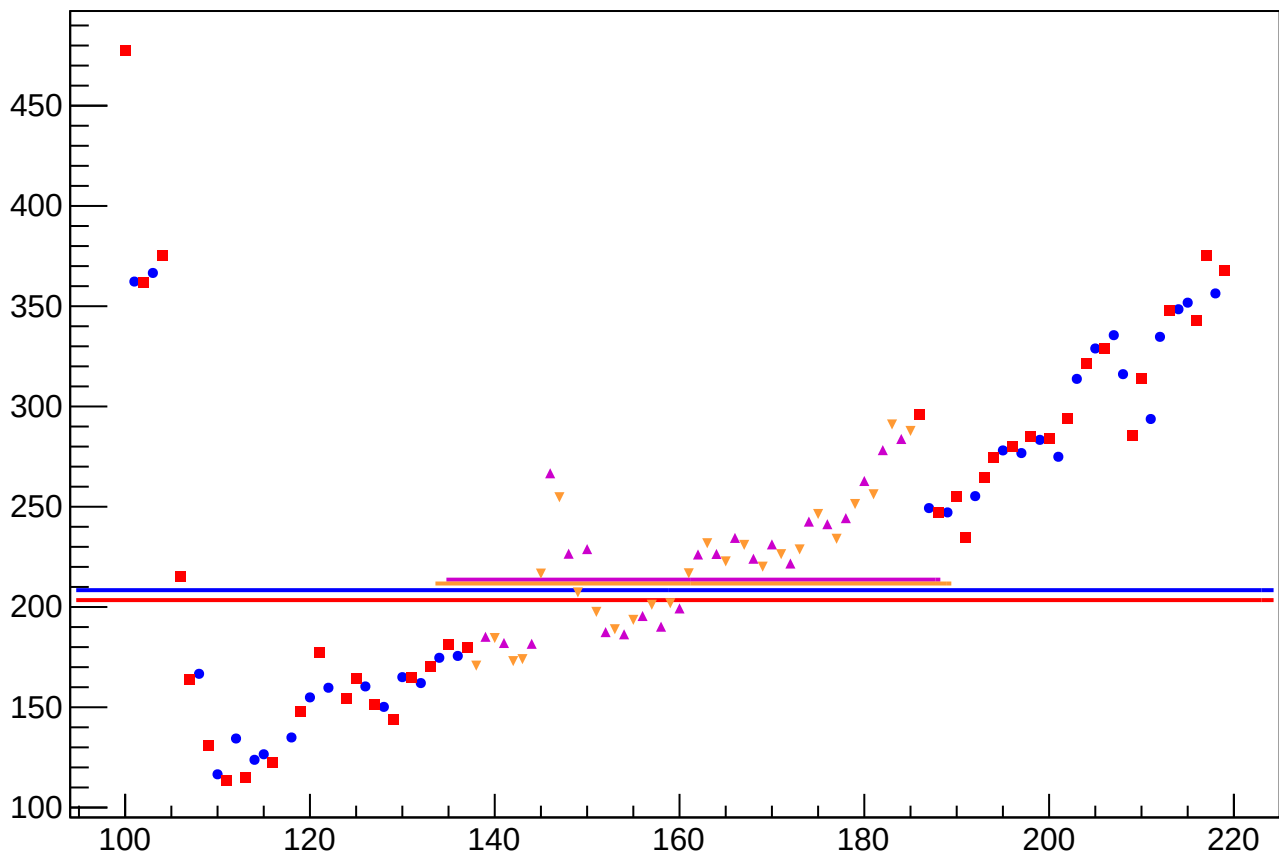
- sign 192.707 $\pm$ 0.023 χ^2 /NDF: 8492863.7/59

yield_bpm0i02aWS_mean vs Slug



Right In: 140595.112 $\pm$ 0.050 χ^2 /NDF: 2833465176.2/31
 Left Out: 137223.651 $\pm$ 0.049 χ^2 /NDF: 894565924.0/24
 Right Out: 140578.203 $\pm$ 0.048 χ^2 /NDF: 3280032737.9/36
 Left In: 137123.557 $\pm$ 0.051 χ^2 /NDF: 860635149.0/22
 + sign 138870.198 $\pm$ 0.035 χ^2 /NDF: 6035662823.8
 All: 138913.971 $\pm$ 0.025 χ^2 /NDF: 126238000
 - sign 138957.218 $\pm$ 0.035 χ^2 /NDF: 6585042437.1

yield_bpm0i02aWS_rms vs Slug



Right In: 208.402 $\pm$ 0.035 χ^2 /NDF: 4983845.3/31

Left Out: 211.714 $\pm$ 0.035 χ^2 /NDF: 675587.4/24

Right Out: 203.440 $\pm$ 0.034 χ^2 /NDF: 5769693.9/36

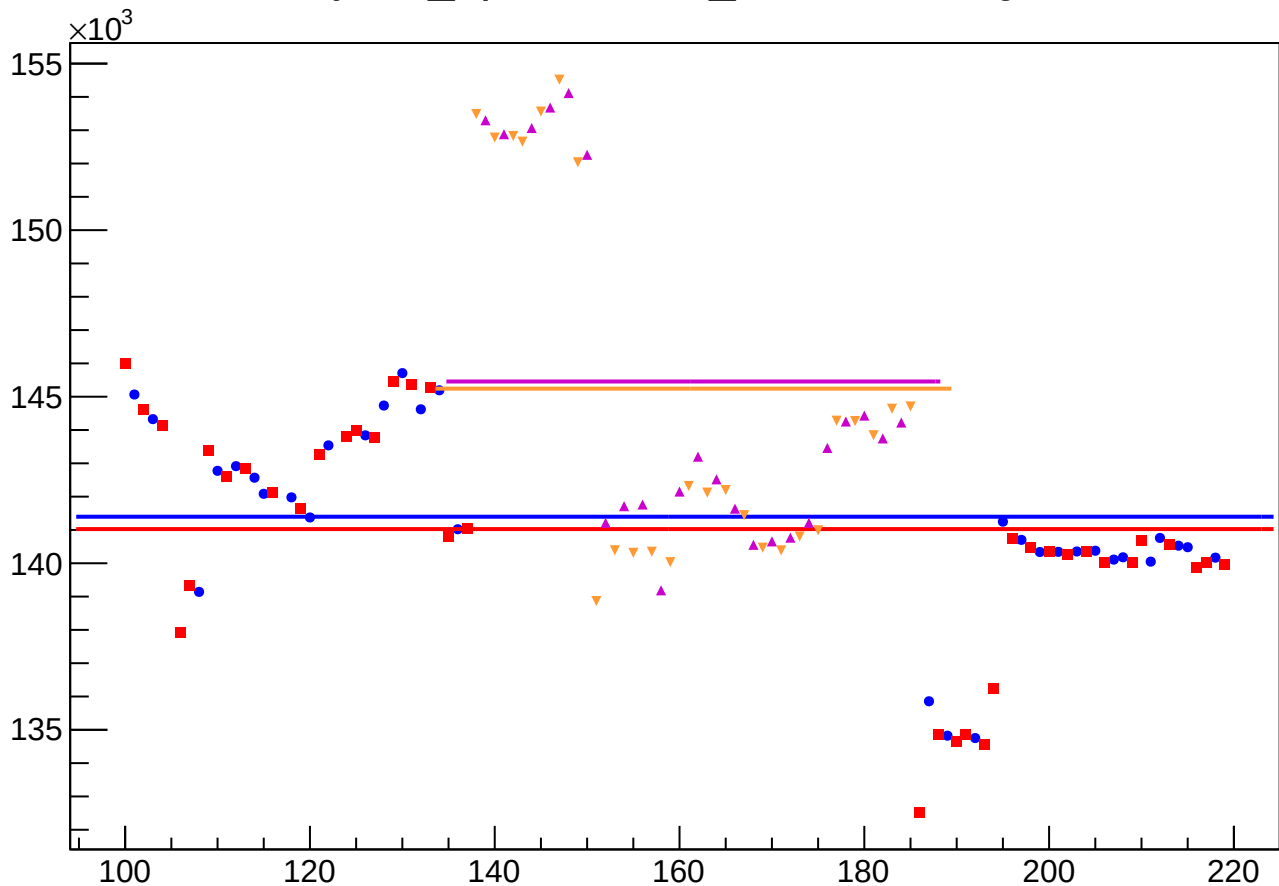
Left In: 213.641 $\pm$ 0.036 χ^2 /NDF: 621332.1/22

+ sign 210.096 $\pm$ 0.025 χ^2 /NDF: 5663886.1/56

All: 209.156 $\pm$ 0.017 χ^2 /NDF: 12100396.1/11

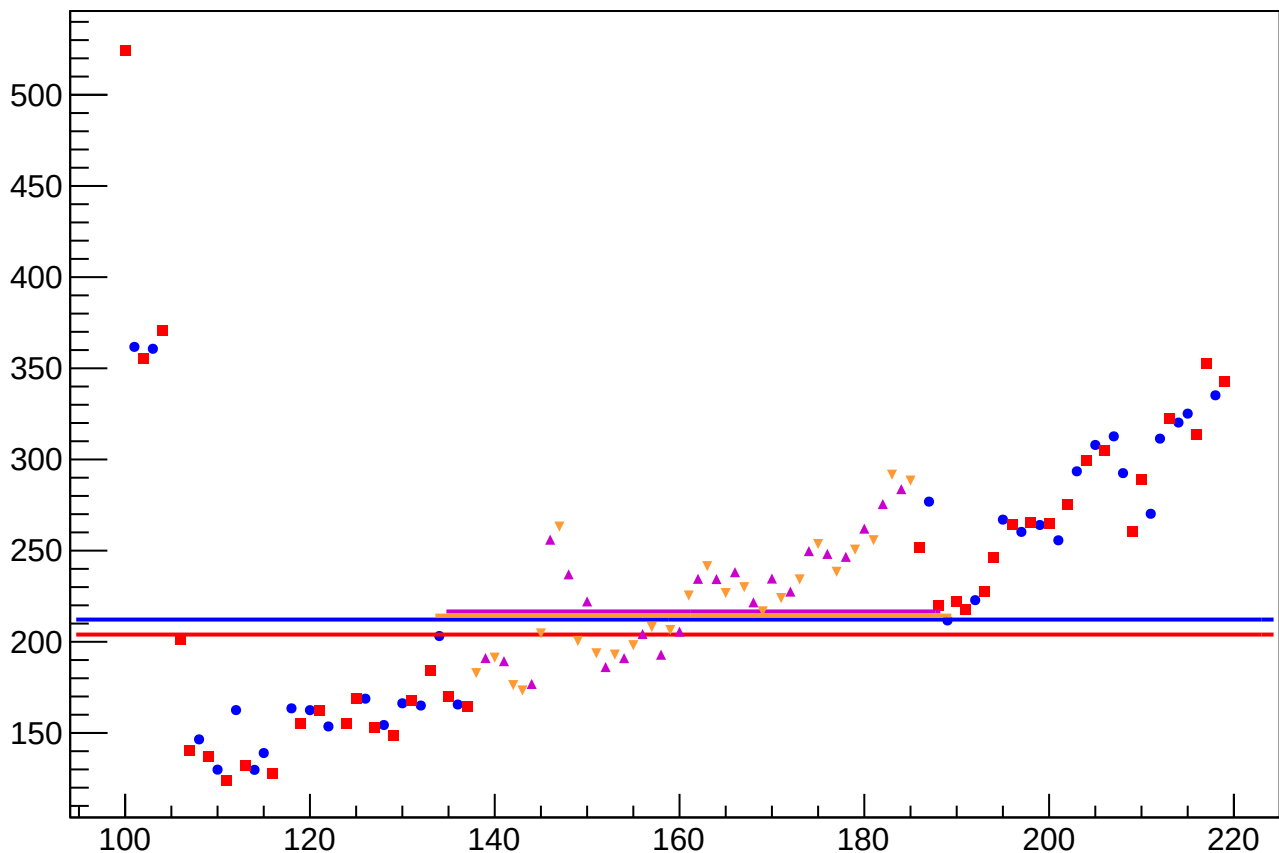
- sign 208.226 $\pm$ 0.025 χ^2 /NDF: 6433651.3/59

yield_bpm0i05WS_mean vs Slug



Right In: 141397.179+/-0.050 χ^2/NDF : 2855826963.5/31
 Left Out: 145242.337+/-0.050 χ^2/NDF : 13032998081.1/24
 Right Out: 141026.069+/-0.047 χ^2/NDF : 4454599668.7/36
 Left In: 145456.704+/-0.052 χ^2/NDF : 11073020116.4/22
 + sign 143340.084+/-0.035 χ^2/NDF : 18859470515.
 All: 143187.379+/-0.025 χ^2/NDF : 384504135.
 - sign 143039.024+/-0.035 χ^2/NDF : 19553991144.8

yield_bpm0i05WS_rms vs Slug



Right In: 212.197 $\pm$ 0.035 χ^2 /NDF: 3604915.7/31

Left Out: 214.391 $\pm$ 0.035 χ^2 /NDF:643384.3/24

Right Out: 203.971 $\pm$ 0.033 χ^2 /NDF: 4269444.7/36

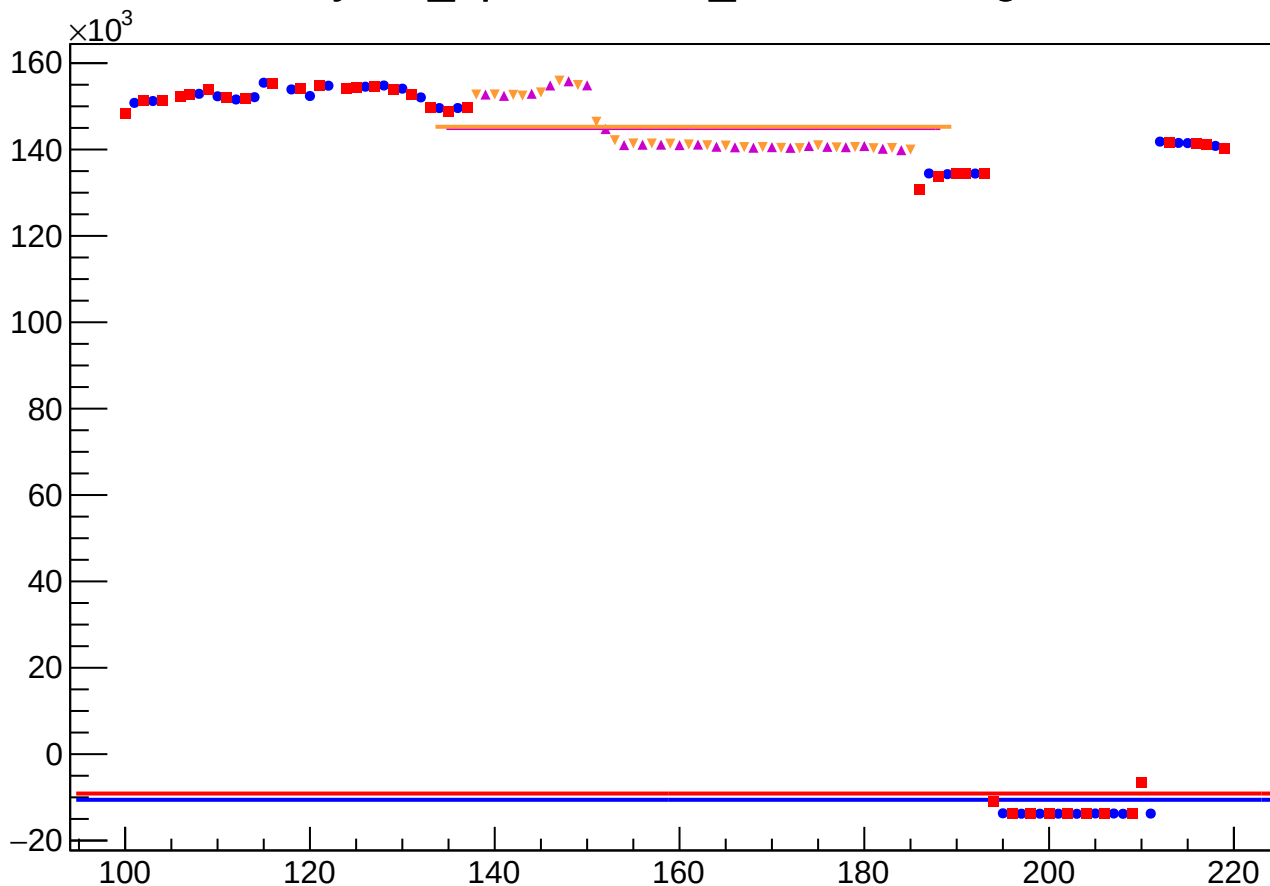
Left In: 216.654 $\pm$ 0.036 χ^2 /NDF:587166.8/22

+ sign 213.306 $\pm$ 0.025 χ^2 /NDF: 4250235.5/56

All: 211.494 $\pm$ 0.018 χ^2 /NDF: 9183241.3/116

- sign 209.733 $\pm$ 0.025 χ^2 /NDF: 4922601.1/59

yield_bpm0i07WS_mean vs Slug



Right In: -10567.935 $\pm$ 0.009

χ^2 /NDF: 6683905702291.2/31

Left Out: 145269.857 $\pm$ 0.049

χ^2 /NDF: 13706269279.5/24

Right Out: -9119.381 $\pm$ 0.009

χ^2 /NDF: 7852949154267.0/36

Left In: 144966.398 $\pm$ 0.051

χ^2 /NDF: 13154547043.3/22

+ sign -5838.634 $\pm$ 0.009

χ^2 /NDF: 1635204354271

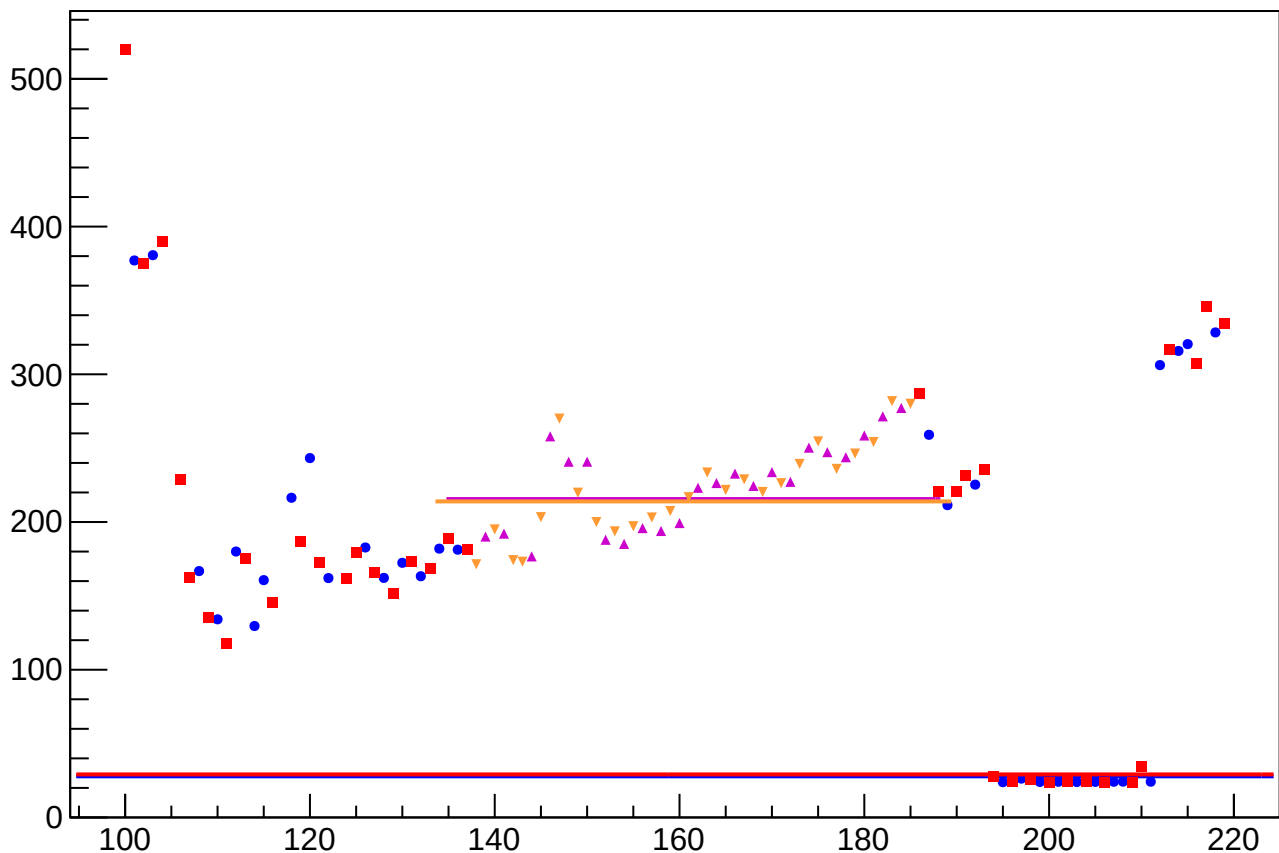
All: -5040.499 $\pm$ 0.006

χ^2 /NDF: 3299857445

- sign -4123.990 $\pm$ 0.009

χ^2 /NDF: 1662804285059

yield_bpm0i07WS_rms vs Slug



Right In: 27.848+/-0.006 χ^2/NDF : 18525759.2/31

Left Out: 213.951+/-0.035 χ^2/NDF : 650607.8/24

Right Out: 29.134+/-0.007 χ^2/NDF : 20048647.3/36

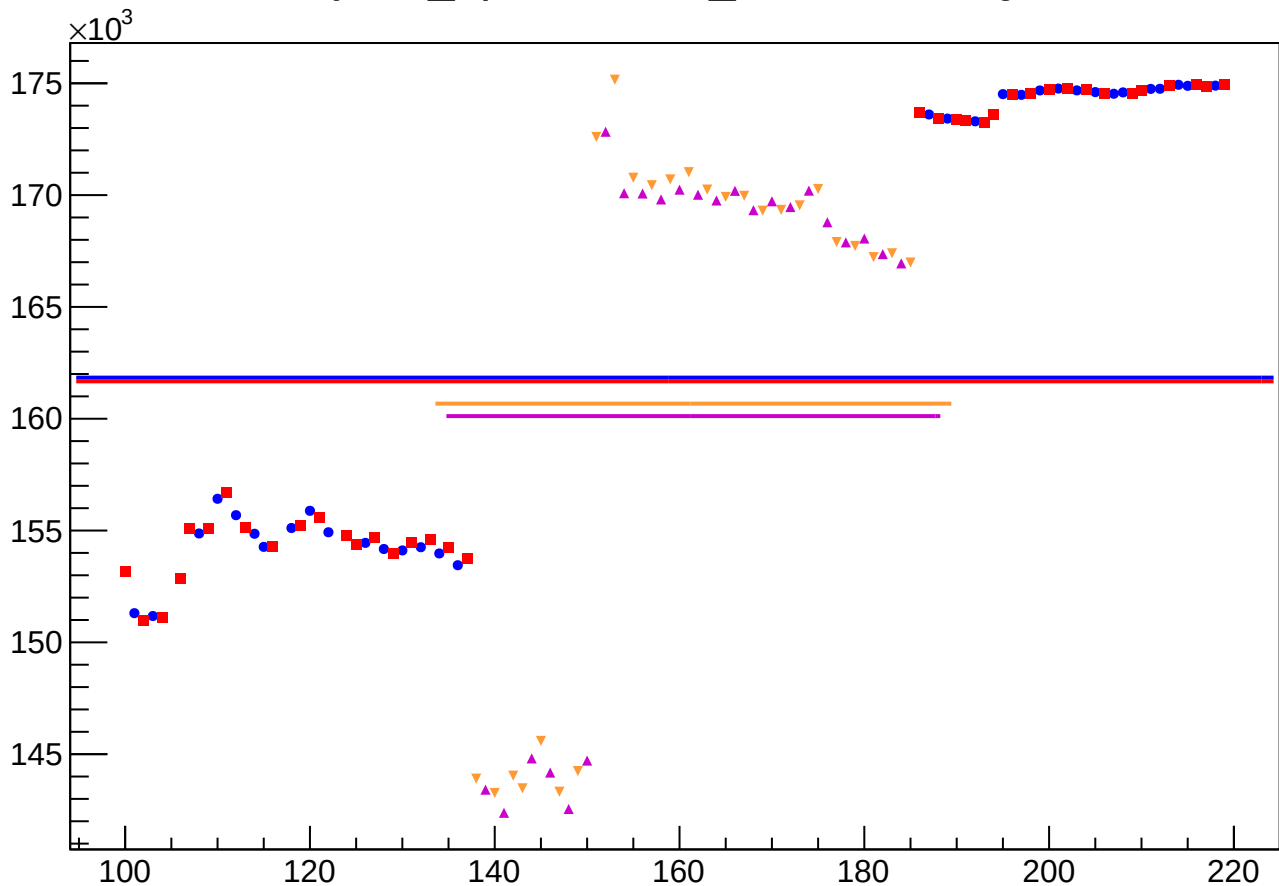
Left In: 215.539+/-0.036 χ^2/NDF : 600575.7/22

+ sign 33.496+/-0.006 χ^2/NDF : 46713513.2/56

All: 34.278+/-0.004 χ^2/NDF : 93044234.8/116

- sign 35.177+/-0.007 χ^2/NDF : 46295166.3/59

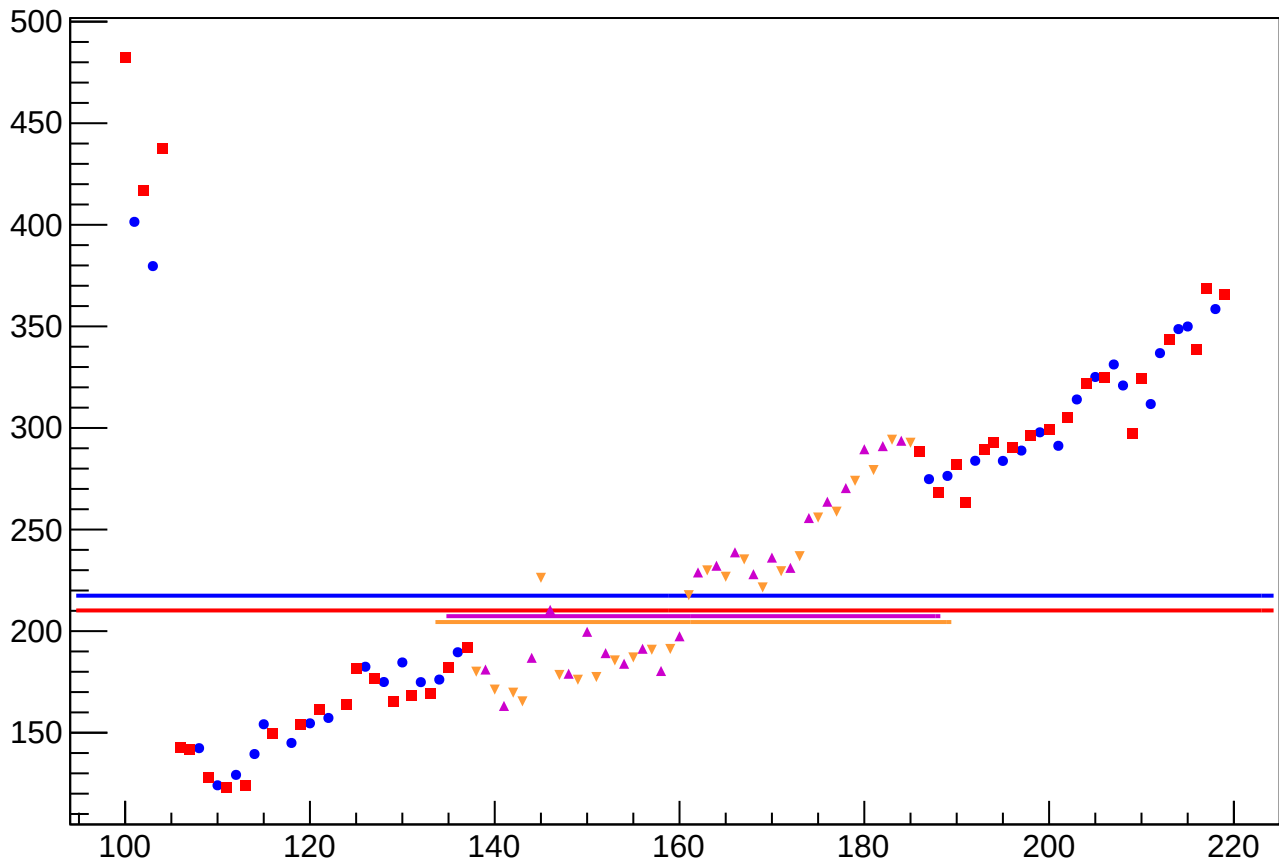
yield_bpm1i02WS_mean vs Slug



Right In: 161838.210 $\pm$ 0.052 χ^2 /NDF: 33306118285.7/31
 Left Out: 160674.818 $\pm$ 0.047 χ^2 /NDF: 74155131898.4/24
 Right Out: 161672.266 $\pm$ 0.049 χ^2 /NDF: 36338249344.6/36
 Left In: 160117.460 $\pm$ 0.049 χ^2 /NDF: 66553191753.2/22

+ sign 161200.923 $\pm$ 0.035 χ^2 /NDF: 107733770493
 All: 161048.899 $\pm$ 0.025 χ^2 /NDF: 211160457
 - sign 160898.924 $\pm$ 0.035 χ^2 /NDF: 103389369322

yield_bpm1i02WS_rms vs Slug



Right In: 217.455 $\pm$ 0.037 χ^2 /NDF: 4856304.9/31

Left Out: 204.476 $\pm$ 0.034 χ^2 /NDF:1073199.0/24

Right Out: 210.181 $\pm$ 0.035 χ^2 /NDF: 5737529.4/36

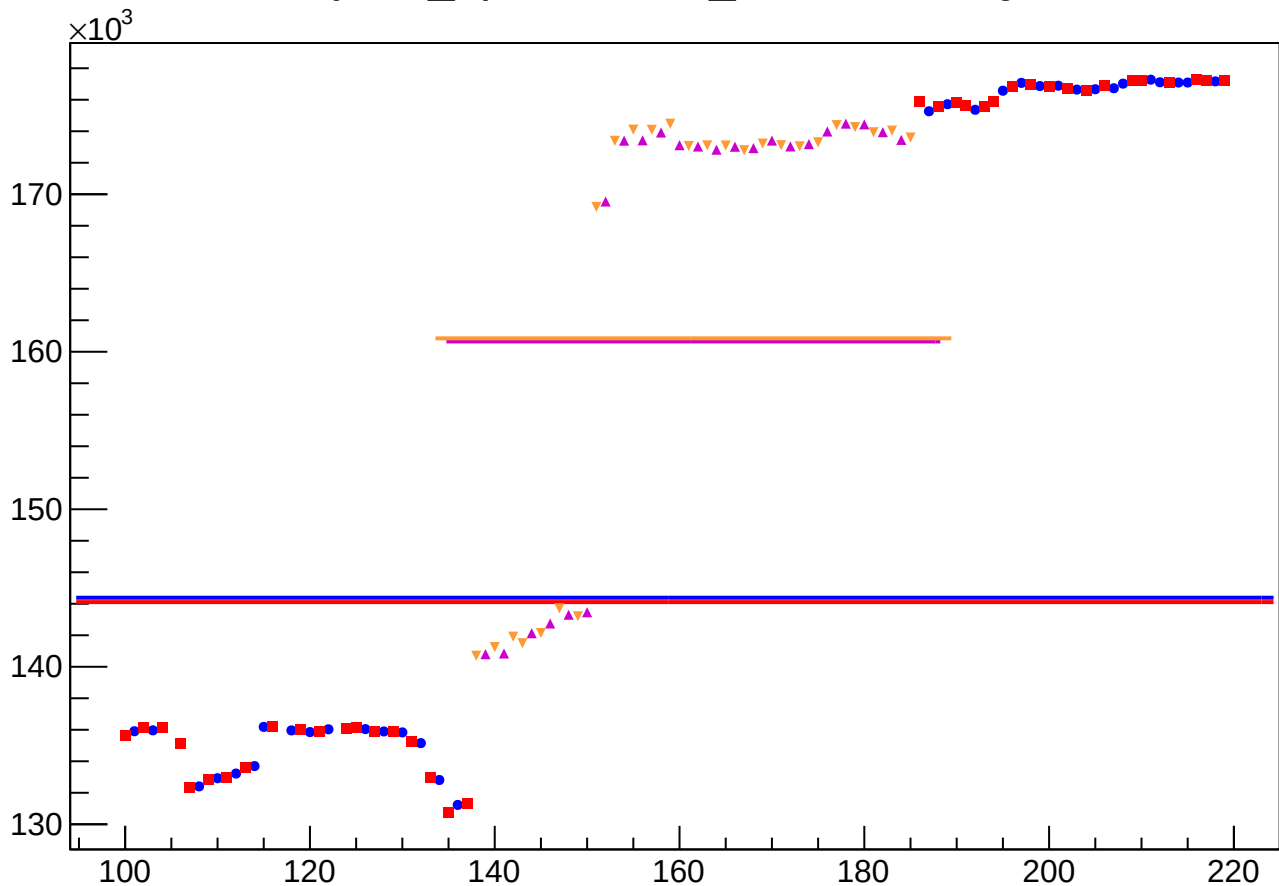
Left In: 207.368 $\pm$ 0.035 χ^2 /NDF:956644.0/22

+ sign 210.345 $\pm$ 0.025 χ^2 /NDF: 5997338.3/56

All: 209.558 $\pm$ 0.017 χ^2 /NDF: 12696771.1/11

- sign 208.782 $\pm$ 0.025 χ^2 /NDF: 6697432.8/59

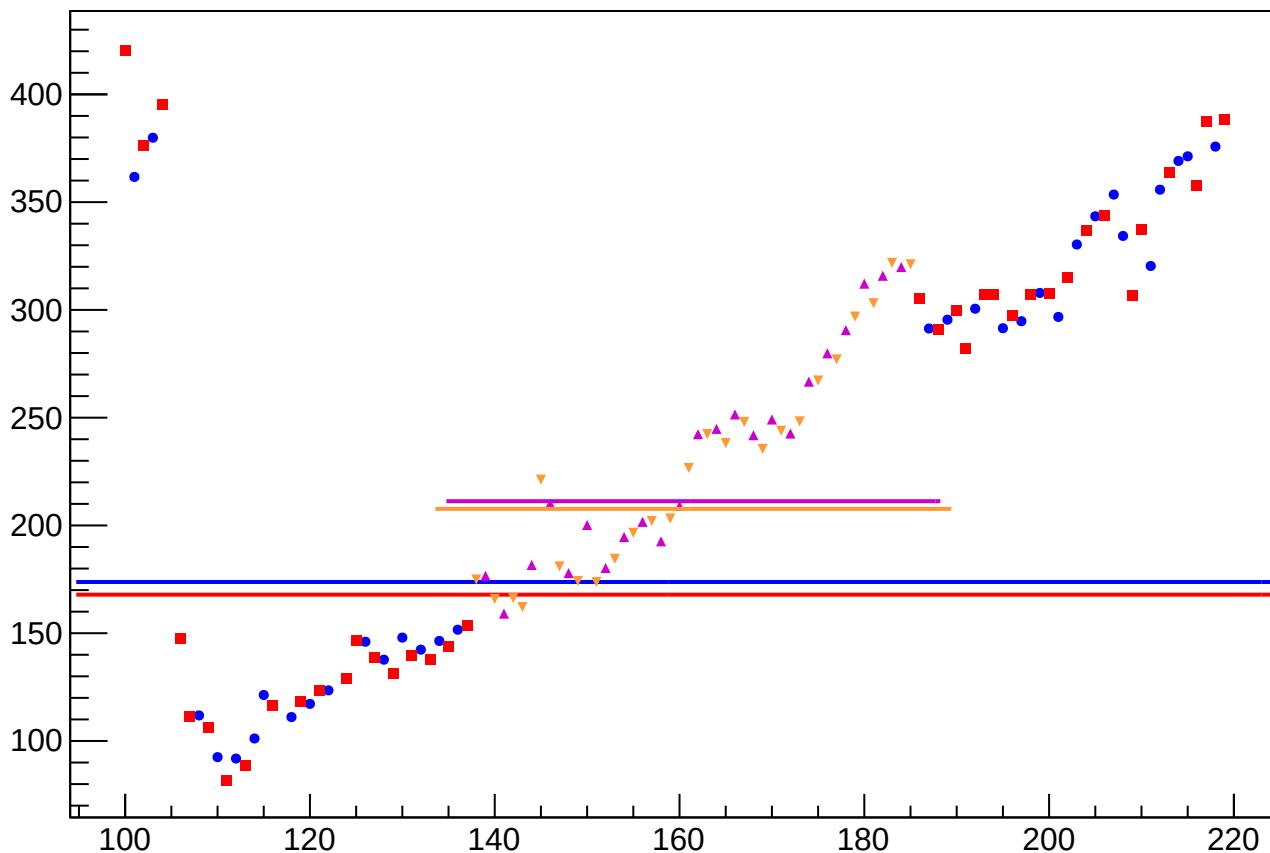
yield_bpm1i04WS_mean vs Slug



Right In: 144384.192 ± 0.044 $\chi^2/\text{NDF}: 167166730430.0/31$
 Left Out: 160851.077 ± 0.048 $\chi^2/\text{NDF}: 99202825178.3/24$
 Right Out: 144104.276 ± 0.042 $\chi^2/\text{NDF}: 183824521890.7/36$
 Left In: 160654.189 ± 0.051 $\chi^2/\text{NDF}: 90149721861.0/22$

+ sign 151896.512 ± 0.033 $\chi^2/\text{NDF}: 329238631824$
 All: 151368.763 ± 0.023 $\chi^2/\text{NDF}: 667060313$
 - sign 150853.620 ± 0.032 $\chi^2/\text{NDF}: 337307300125$

yield_bpm1i04WS_rms vs Slug



Right In: 173.769 $\pm$ 0.031 χ^2 /NDF: 8927790.0/31

Left Out: 207.689 $\pm$ 0.034 χ^2 /NDF: 1500711.5/24

Right Out: 167.894 $\pm$ 0.030 χ^2 /NDF: 10129841.9/36

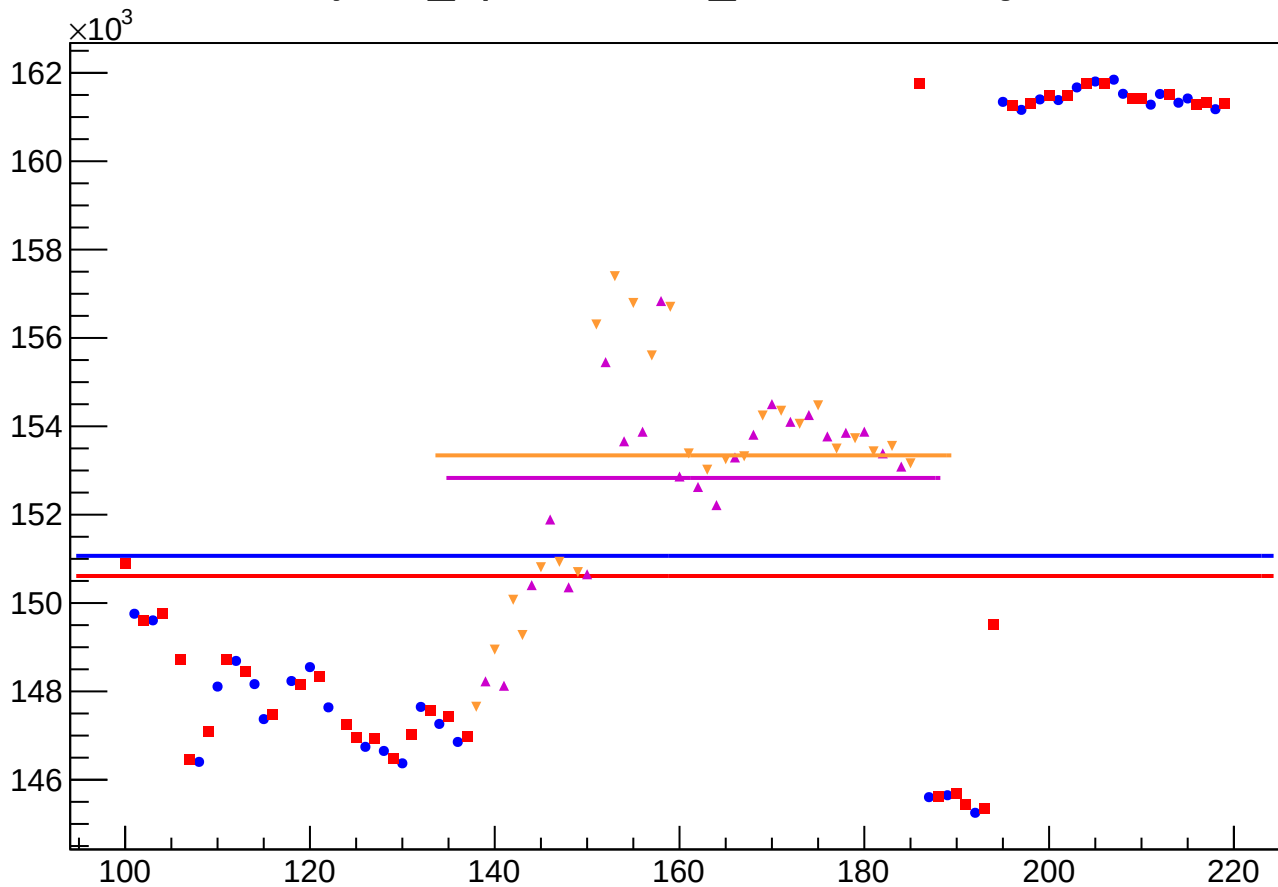
Left In: 211.254 $\pm$ 0.036 χ^2 /NDF: 1305730.5/22

+ sign 189.244 $\pm$ 0.023 χ^2 /NDF: 10962034.5/56

All: 187.388 $\pm$ 0.016 χ^2 /NDF: 23279809.0/1

- sign 185.577 $\pm$ 0.023 χ^2 /NDF: 12305058.1/59

yield_bpm1i06WS_mean vs Slug



Right In: 151068.180 ± 0.051 $\chi^2/\text{NDF}: 14696460479.2/31$

Left Out: 153342.472 ± 0.051 $\chi^2/\text{NDF}: 2978670616.9/24$

Right Out: 150612.172 ± 0.048 $\chi^2/\text{NDF}: 14507013373.1/36$

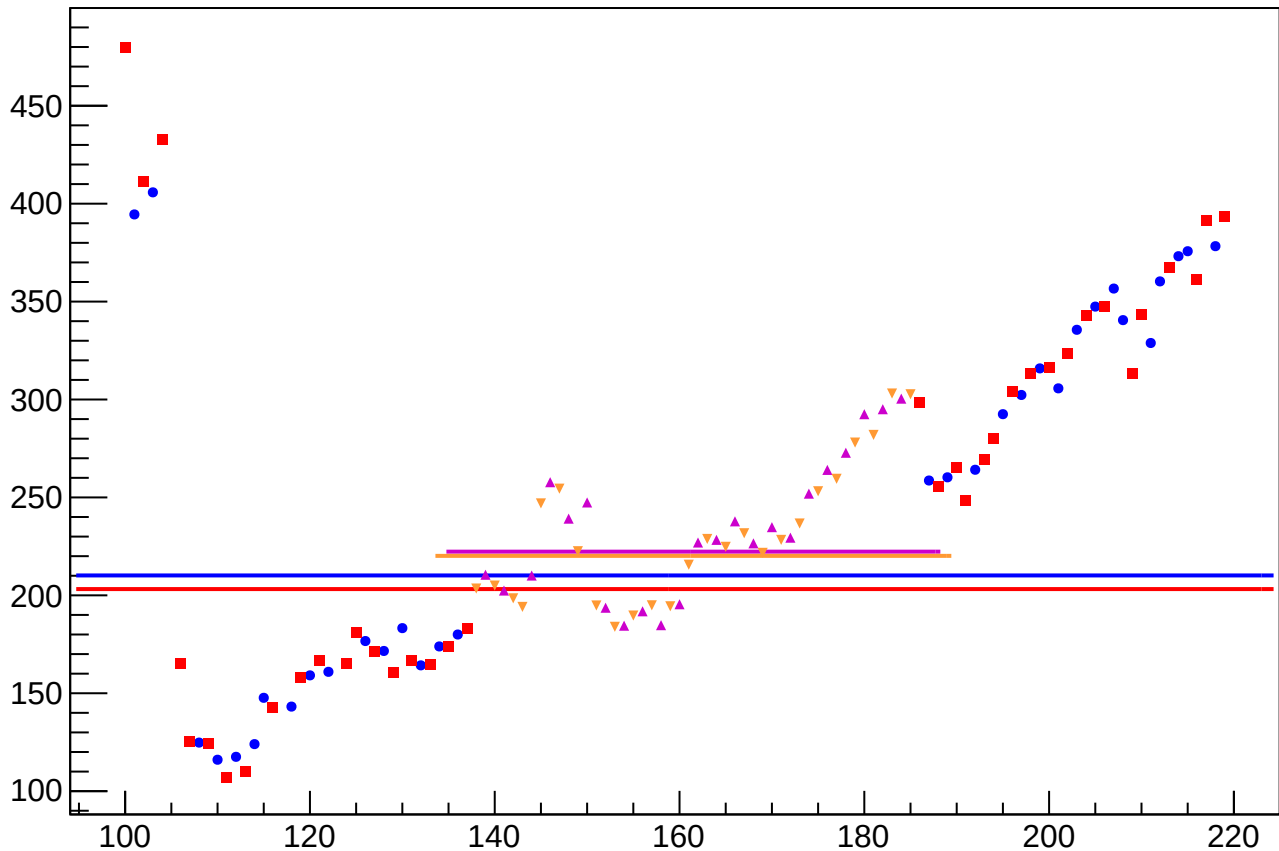
Left In: 152831.399 ± 0.053 $\chi^2/\text{NDF}: 1914395326.4/22$

+ sign 152217.190 ± 0.036 $\chi^2/\text{NDF}: 18666825692.$

All: 151917.678 ± 0.025 $\chi^2/\text{NDF}: 361843083$

- sign 151625.305 ± 0.036 $\chi^2/\text{NDF}: 17381512003.7$

yield_bpm1i06WS_rms vs Slug



Right In: 210.159+/-0.036 χ^2/NDF : 6103514.1/31

Left Out: 220.156+/-0.036 χ^2/NDF : 685590.6/24

Right Out: 203.197+/-0.034 χ^2/NDF : 6932426.3/36

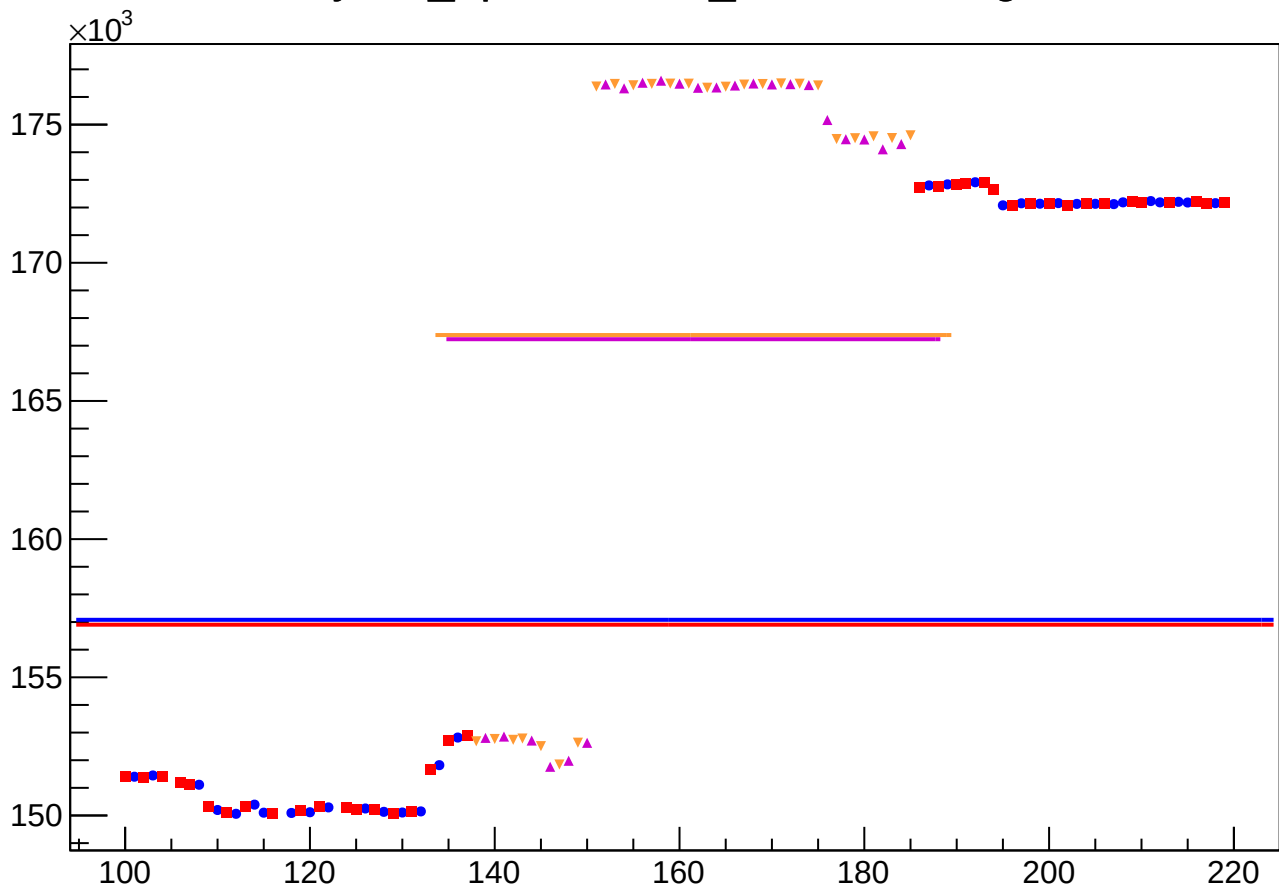
Left In: 222.304+/-0.037 χ^2/NDF : 697605.9/22

+ sign 215.210+/-0.026 χ^2/NDF : 6827424.6/56

All: 213.545+/-0.018 χ^2/NDF : 14608201.8/1

- sign 211.920+/-0.025 χ^2/NDF : 7772377.0/59

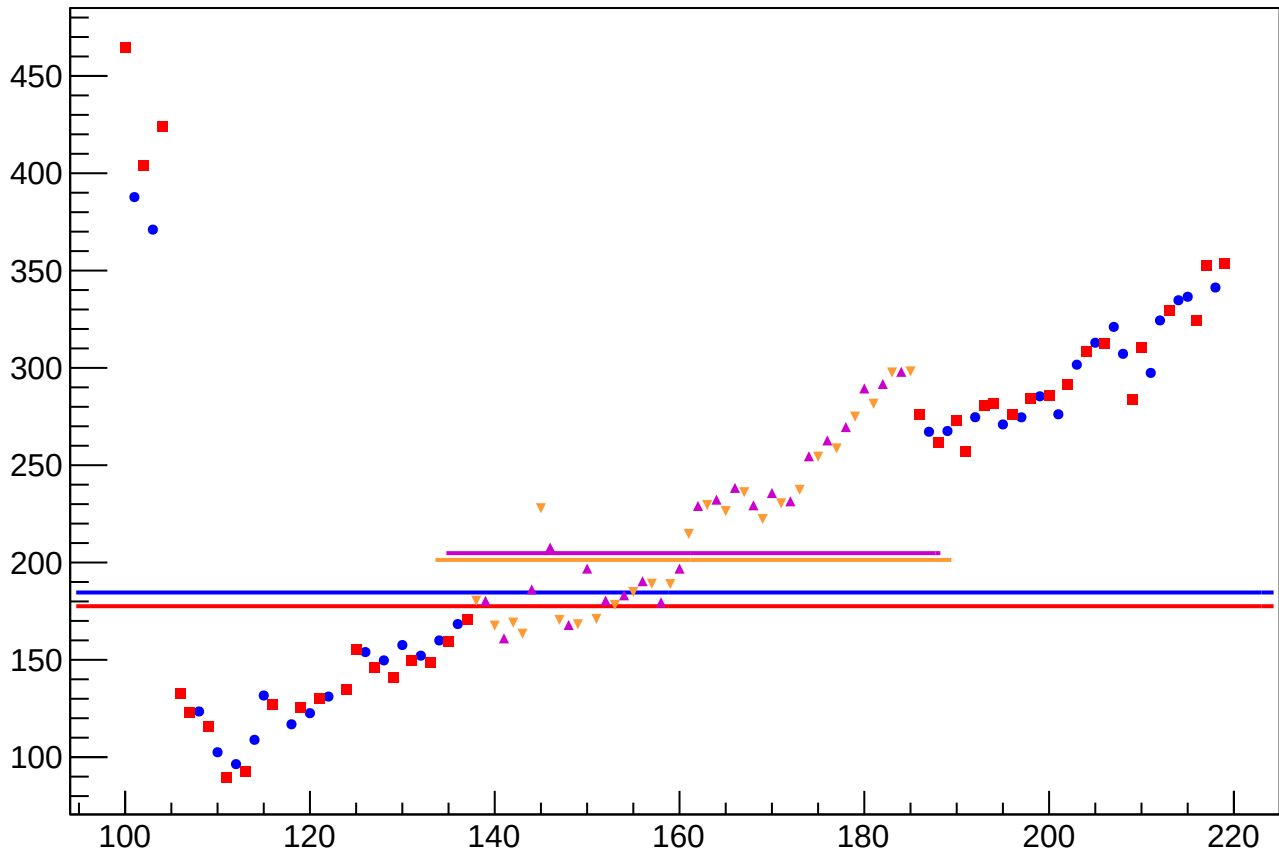
yield_bpm2i01WS_mean vs Slug



Right In: 157080.732 $\pm$ 0.046 χ^2 /NDF: 47634106854.6/31
 Left Out: 167385.483 $\pm$ 0.047 χ^2 /NDF: 59602607546.2/24
 Right Out: 156904.381 $\pm$ 0.043 χ^2 /NDF: 53365512501.6/36
 Left In: 167234.214 $\pm$ 0.049 χ^2 /NDF: 55099214555.0/22

+ sign 162116.669 $\pm$ 0.033 χ^2 /NDF: 132097370150
 All: 161755.068 $\pm$ 0.023 χ^2 /NDF: 266026352
 - sign 161402.701 $\pm$ 0.032 χ^2 /NDF: 133687086041

yield_bpm2i01WS_rms vs Slug



Right In: 184.604+/-0.032 χ^2/NDF : 6893846.6/31

Left Out: 201.329+/-0.033 χ^2/NDF :1230655.6/24

Right Out: 177.552+/-0.030 χ^2/NDF : 8021210.1/36

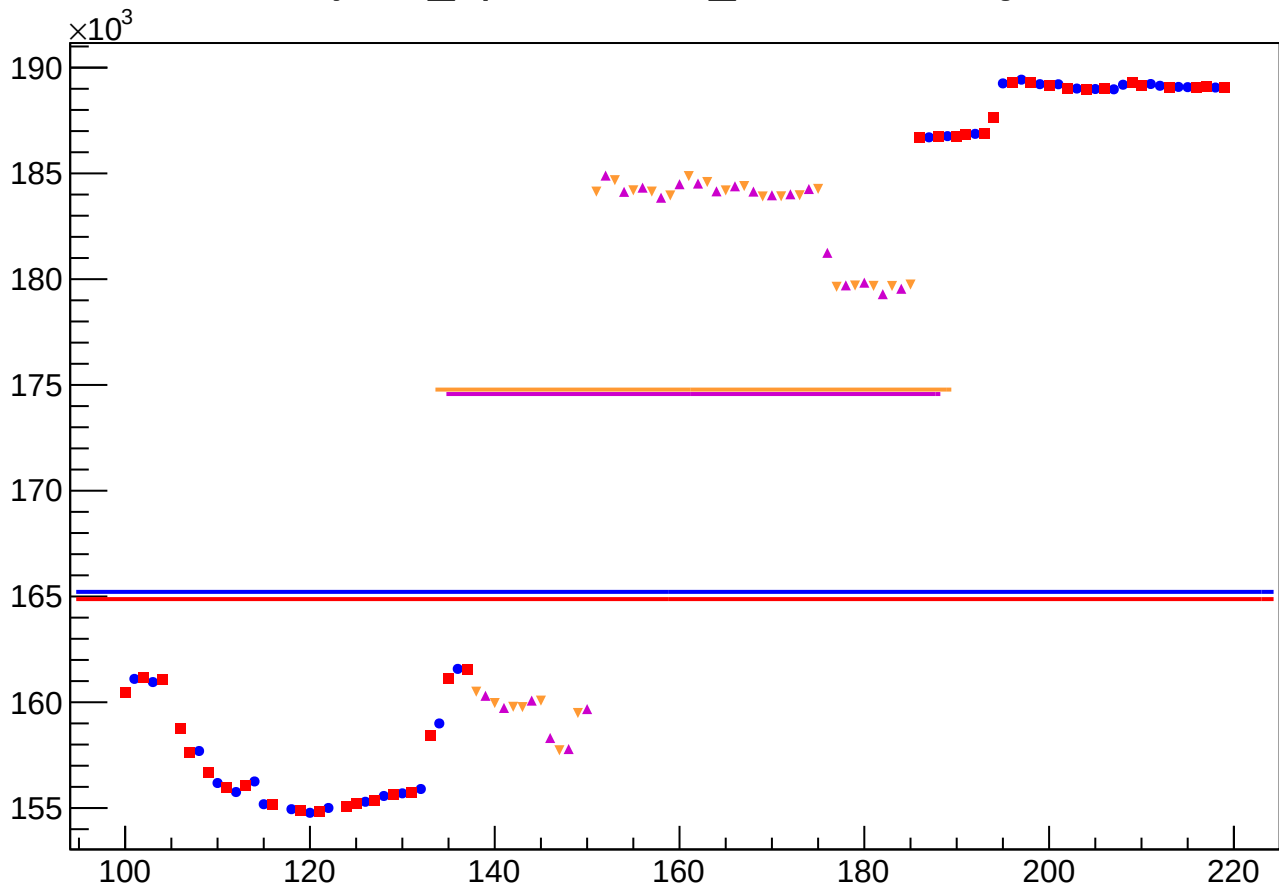
Left In: 204.826+/-0.035 χ^2/NDF :1053130.7/22

+ sign 192.777+/-0.023 χ^2/NDF : 8255479.1/56

All: 191.081+/-0.016 χ^2/NDF : 17692127.1/11

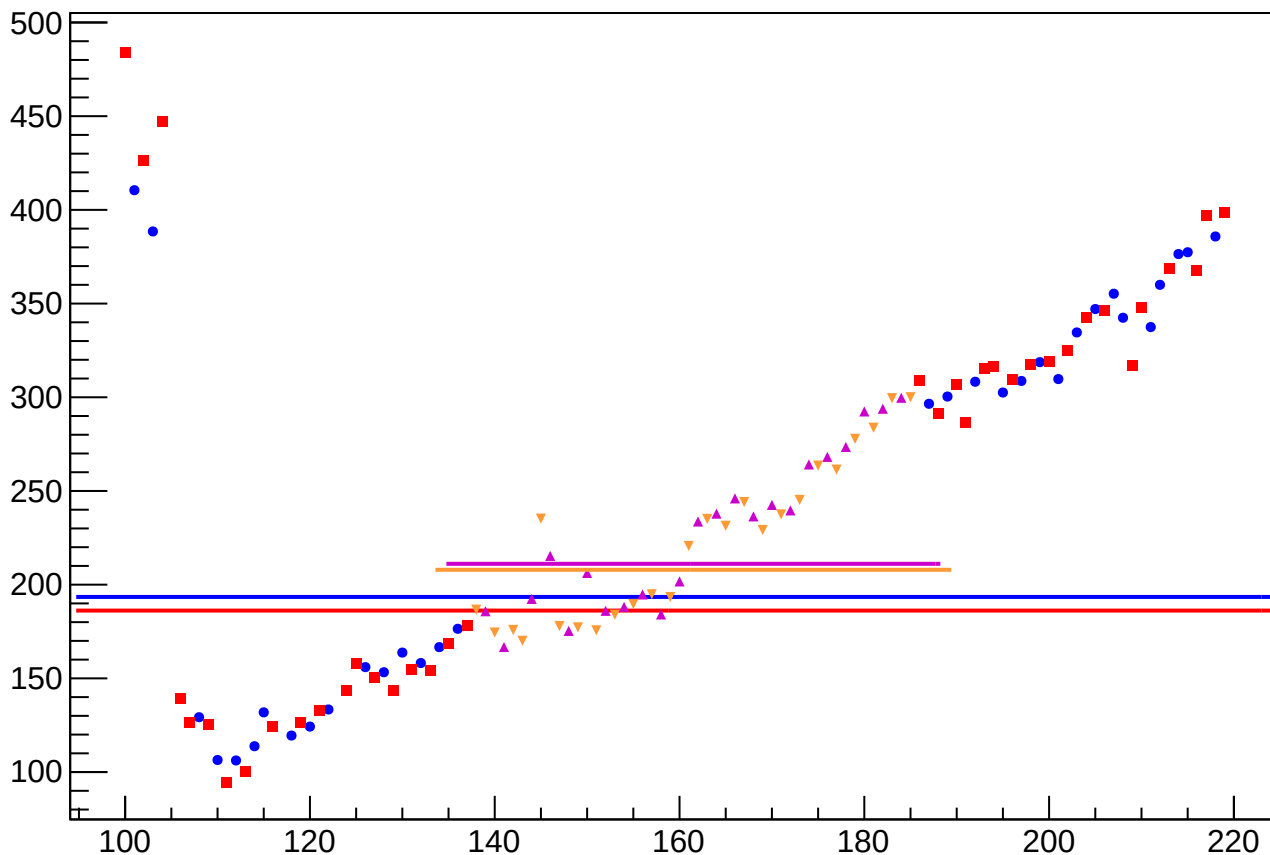
- sign 189.429+/-0.023 χ^2/NDF : 9426007.5/59

yield_bpm2i02WS_mean vs Slug



Right In: 165218.113 $\pm$ 0.049 χ^2 /NDF: 88851037967.8/31
 Left Out: 174780.651 $\pm$ 0.048 χ^2 /NDF: 58132787948.0/24
 Right Out: 164876.168 $\pm$ 0.046 χ^2 /NDF: 96683125727.7/36
 Left In: 174570.001 $\pm$ 0.050 χ^2 /NDF: 54757801795.4/22
 All: 169634.340 $\pm$ 0.024 χ^2 /NDF: 338602026
 + sign 170030.891 $\pm$ 0.034 χ^2 /NDF: 166529230139
 - sign 169247.003 $\pm$ 0.034 χ^2 /NDF: 171807011502

yield_bpm2i02WS_rms vs Slug



Right In: 193.454 $\pm$ 0.034 χ^2 /NDF: 7755598.6/31

Left Out: 207.940 $\pm$ 0.034 χ^2 /NDF:1132127.7/24

Right Out: 186.173 $\pm$ 0.032 χ^2 /NDF: 8929298.5/36

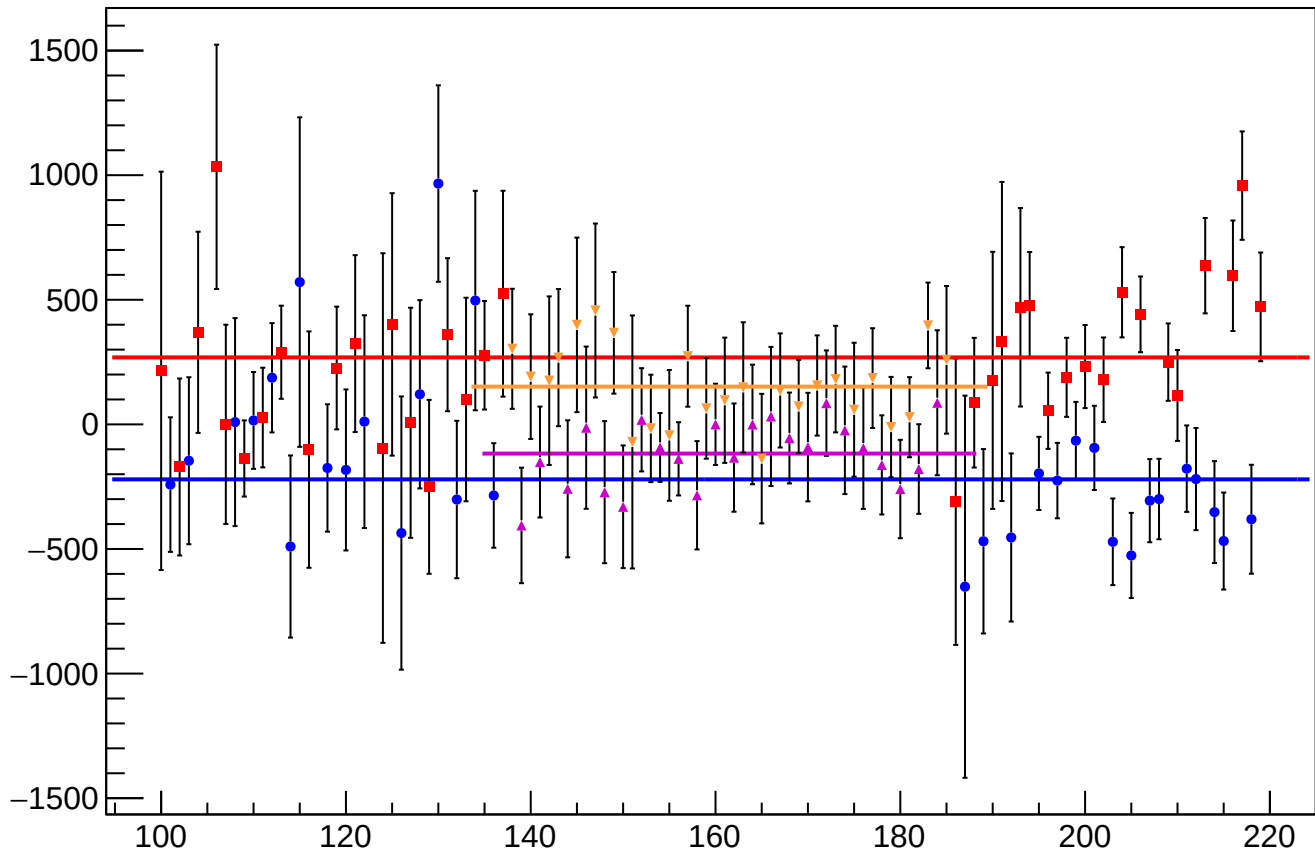
Left In: 211.133 $\pm$ 0.036 χ^2 /NDF:993720.4/22

+ sign 200.744 $\pm$ 0.024 χ^2 /NDF: 8977434.6/56

All: 199.066 $\pm$ 0.017 χ^2 /NDF: 19180018.0/11

- sign 197.427 $\pm$ 0.024 χ^2 /NDF: 10193066.3/59

asym_bcm_target_mean vs Slug



Right In: -220.613 ± 40.010 χ^2/NDF : 31.7/31

Left Out: 151.598 ± 46.419 χ^2/NDF : 9.6/24

Right Out: 268.770 ± 39.109 χ^2/NDF : 43.3/36

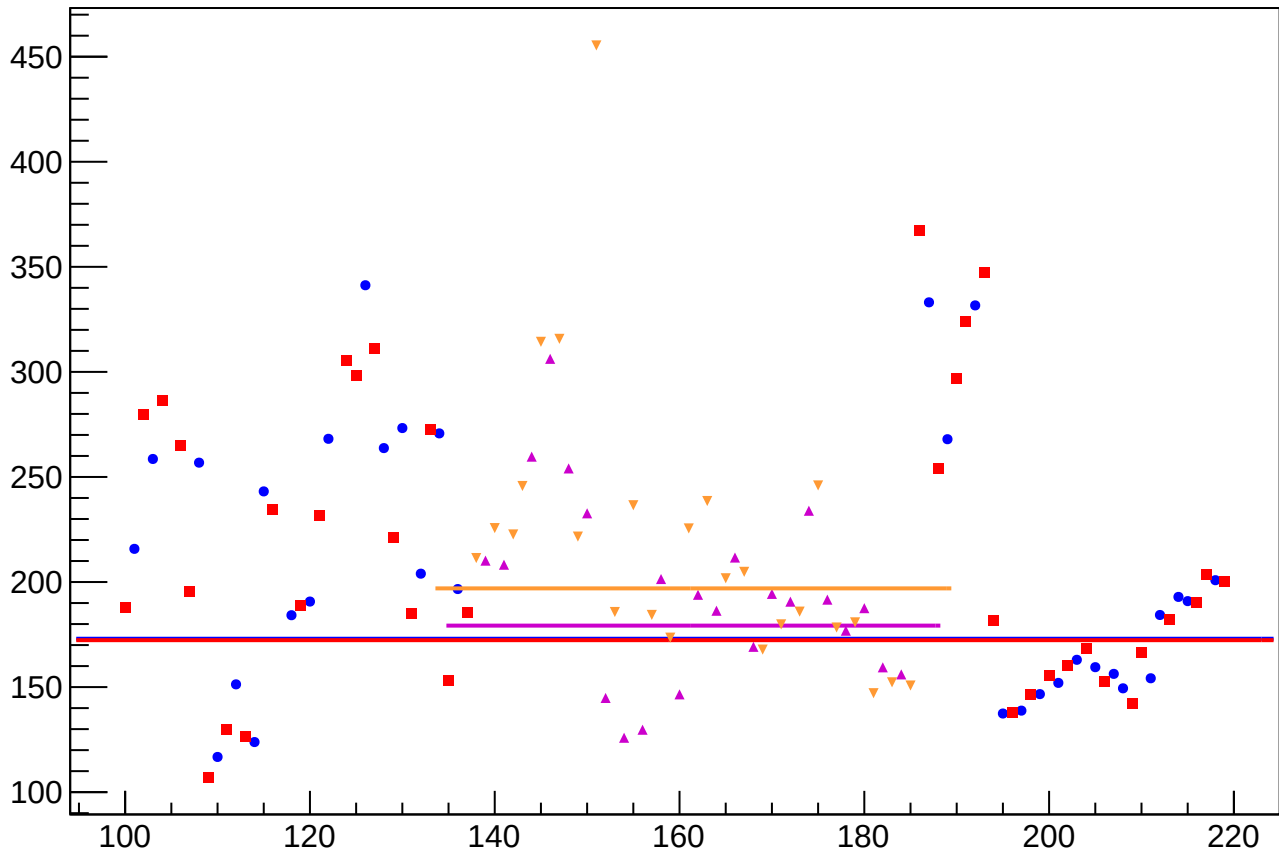
Left In: -117.163 ± 43.778 χ^2/NDF : 7.5/22

+ sign -61.959 ± 30.306 χ^2/NDF : 78.2/56

All: 20.813 ± 21.015 χ^2/NDF : 186.6/116

- sign 97.474 ± 29.166 χ^2/NDF : 94.0/59

asym_bcm_target_rms vs Slug



Right In: 173.008 $\pm$ 0.028 χ^2 /NDF: 2342016.5/31

Left Out: 196.975 $\pm$ 0.033 χ^2 /NDF:1809307.4/24

Right Out: 172.331 $\pm$ 0.028 χ^2 /NDF: 3069369.9/36

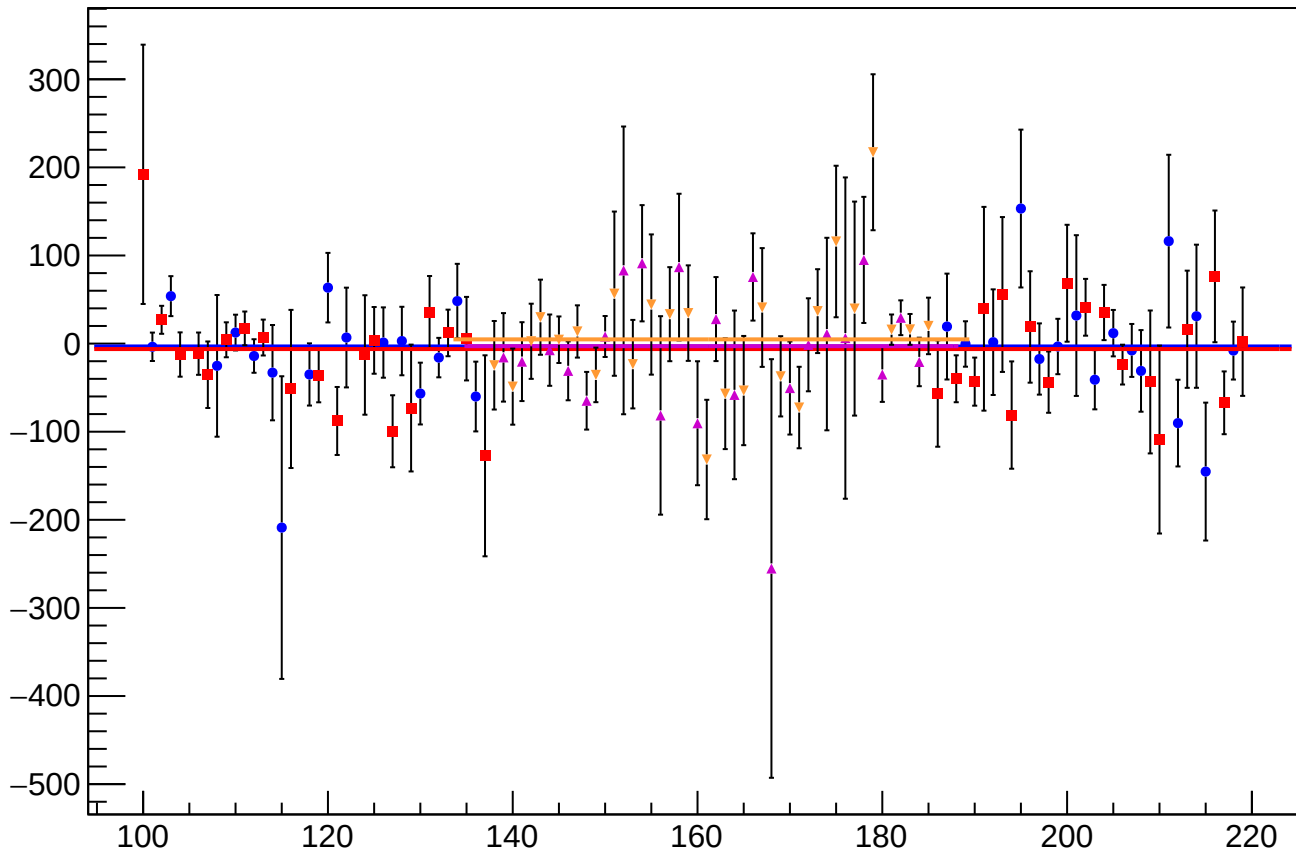
Left In: 179.256 $\pm$ 0.031 χ^2 /NDF:1656023.5/22

+ sign 183.224 $\pm$ 0.021 χ^2 /NDF: 4457234.3/56

All: 179.164 $\pm$ 0.015 χ^2 /NDF: 9279586.0/116

- sign 175.405 $\pm$ 0.021 χ^2 /NDF: 4753225.8/59

asym_bcm_an_diff_mean vs Slug



Right In: -3.245 ± 5.961 χ^2/NDF : 32.6/31

Left Out: 4.803 ± 7.601 χ^2/NDF : 24.3/24

Right Out: -6.202 ± 5.566 χ^2/NDF : 42.5/36

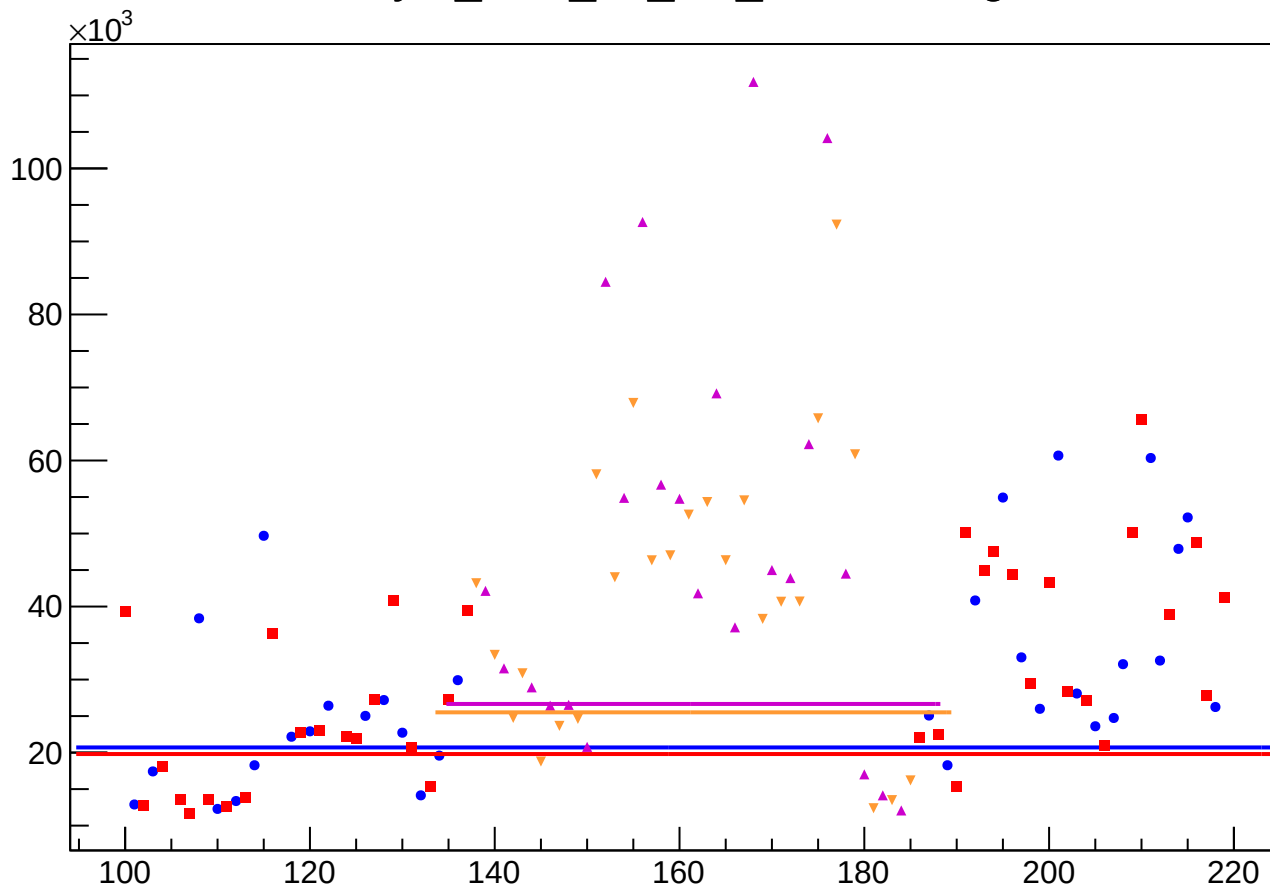
Left In: -2.918 ± 8.840 χ^2/NDF : 21.5/22

+ sign -0.180 ± 4.690 χ^2/NDF : 57.6/56

All: -2.714 ± 3.324 χ^2/NDF : 122.3/116

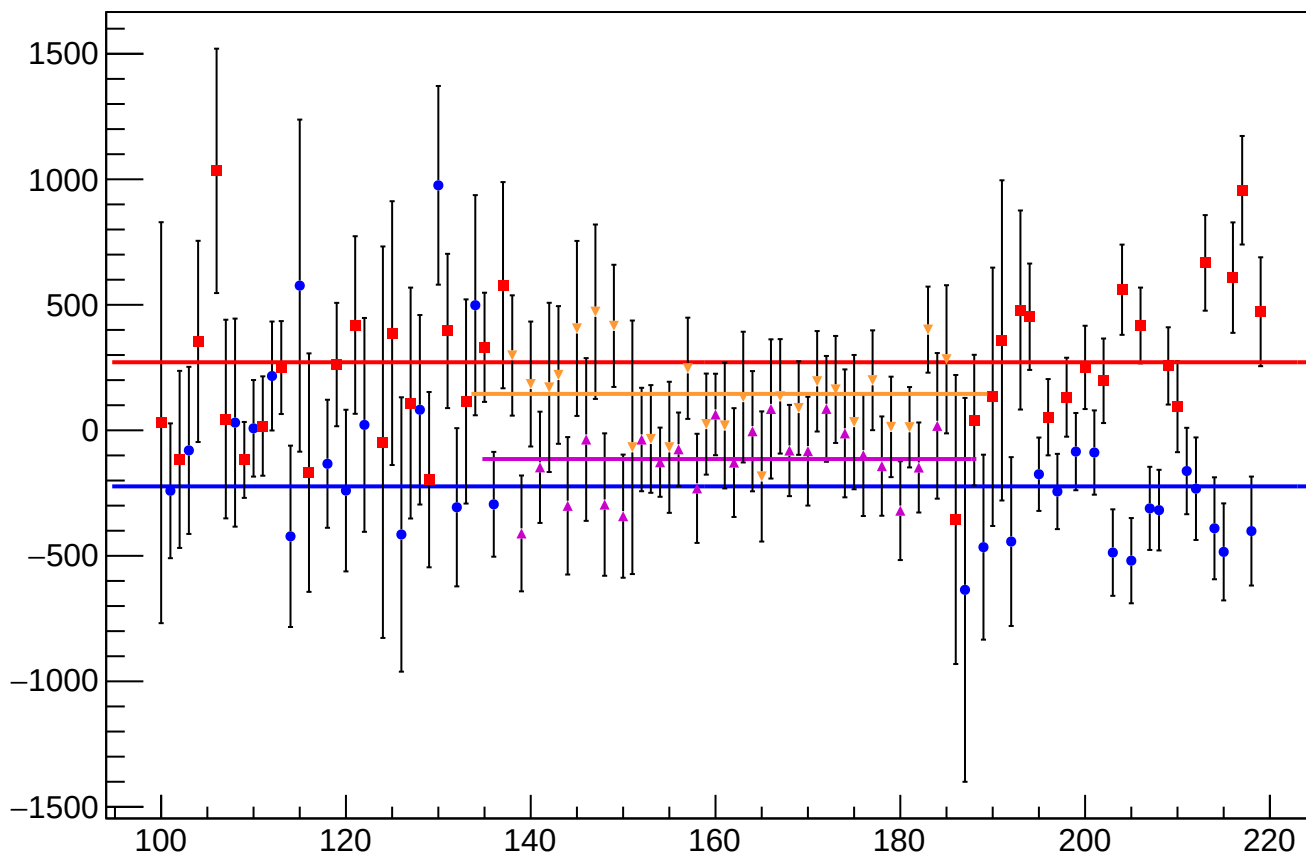
- sign -5.270 ± 4.710 χ^2/NDF : 64.1/59

asym_bcm_an_diff_rms vs Slug



Right In: 20706.457+/-4.215	χ^2/NDF : 4207098.2/31	+ sign 22536.553+/-3.317	χ^2/NDF : 12444826.6/56
Left Out: 25512.643+/-5.375	χ^2/NDF : 7742585.8/24	All: 22144.895+/-2.350	χ^2/NDF : 24257698.6
Right Out: 19803.006+/-3.936	χ^2/NDF : 5039774.9/36	- sign 21749.917+/-3.331	χ^2/NDF : 11784863.5/59
Left In: 26660.853+/-6.251	χ^2/NDF : 5883195.1/22		

asym_bcm_an_ds_mean vs Slug



Right In: -223.295 ± 39.747 χ^2/NDF : 33.2/31

Left Out: 145.172 ± 46.225 χ^2/NDF : 11.2/24

Right Out: 271.182 ± 38.862 χ^2/NDF : 44.7/36

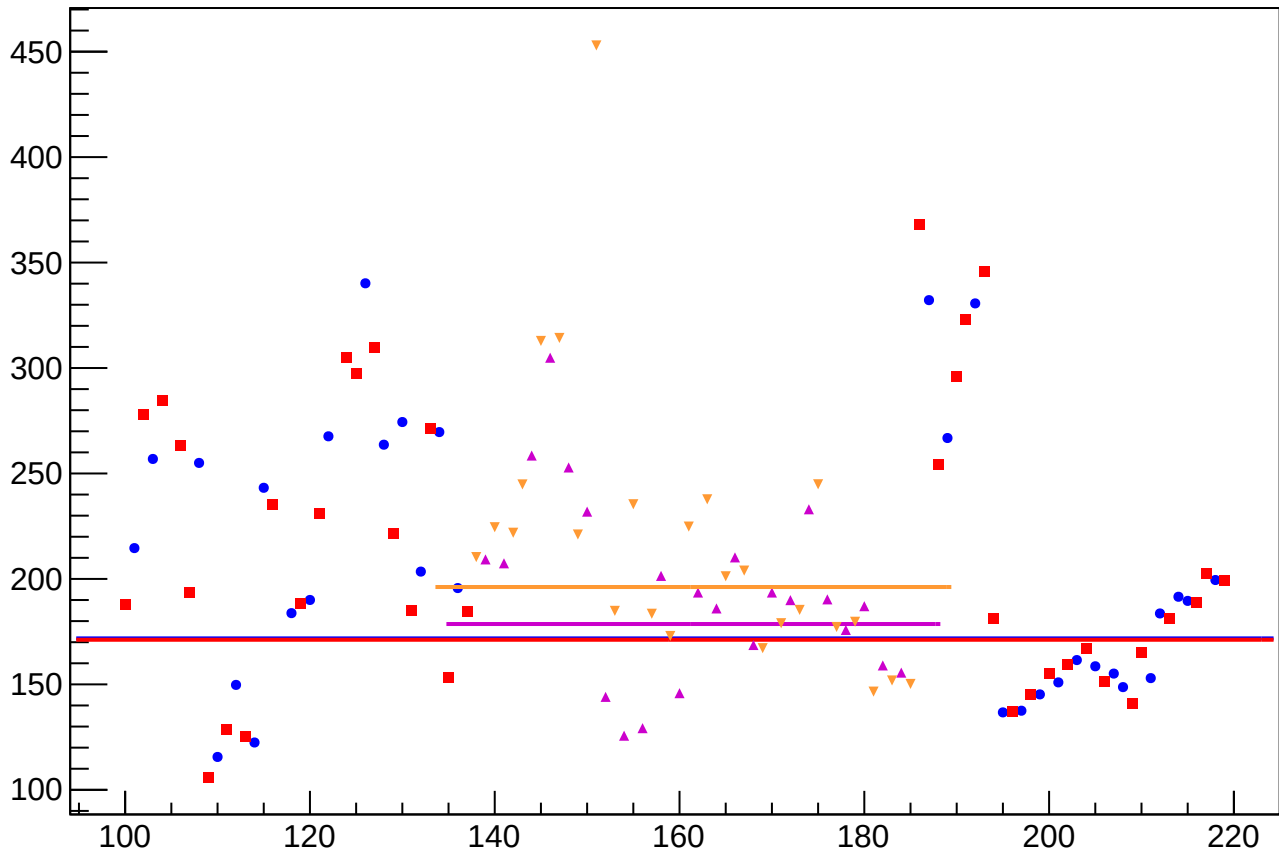
Left In: -114.400 ± 43.619 χ^2/NDF : 8.4/22

+ sign -66.670 ± 30.138 χ^2/NDF : 81.0/56

All: 20.113 ± 20.903 χ^2/NDF : 193.6/116

- sign 100.557 ± 29.016 χ^2/NDF : 96.6/59

asym_bcm_an_ds_rms vs Slug



Right In: 171.804 $\pm$ 0.028 χ^2 /NDF: 2372123.0/31

Left Out: 196.166 $\pm$ 0.033 χ^2 /NDF:1806871.5/24

Right Out: 171.159 $\pm$ 0.027 χ^2 /NDF: 3108757.8/36

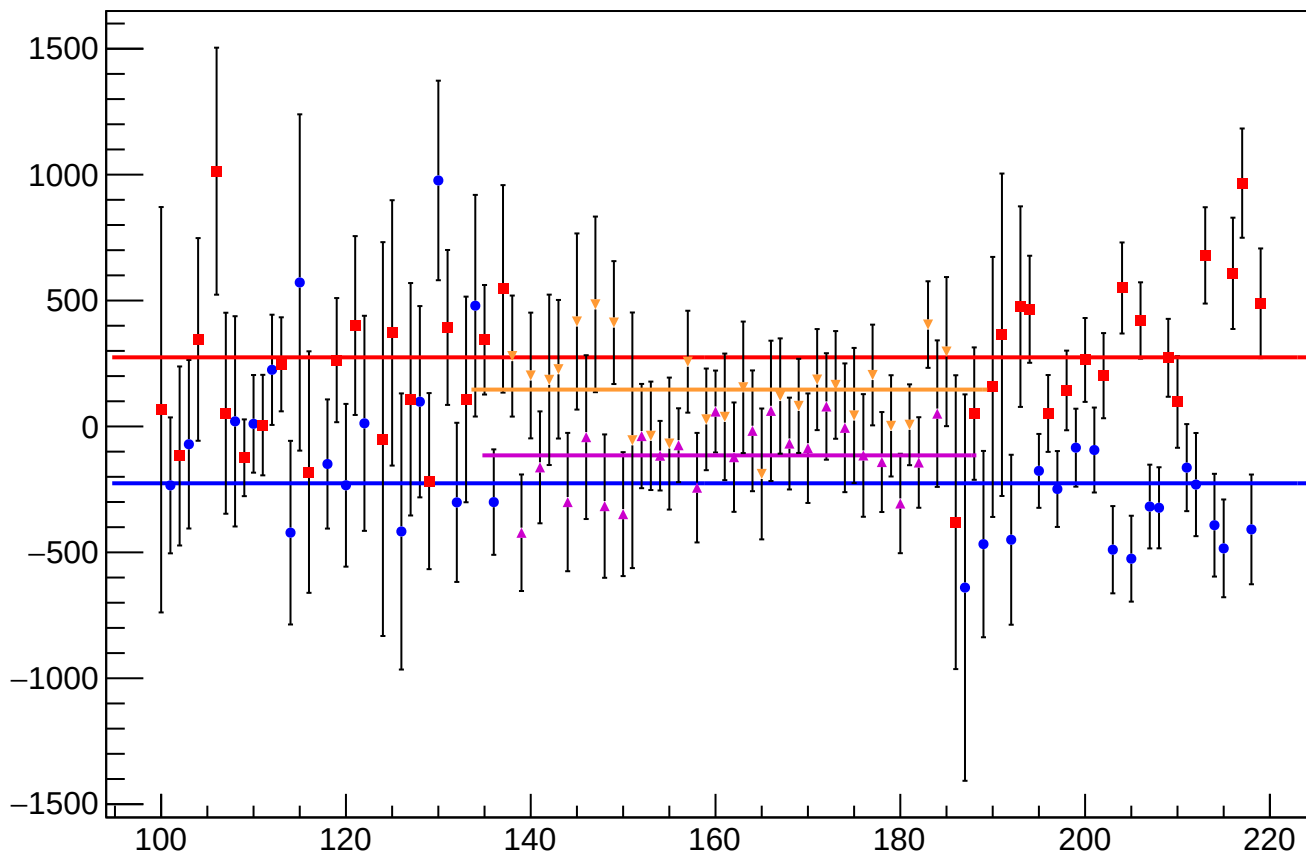
Left In: 178.621 $\pm$ 0.031 χ^2 /NDF:1651873.8/22

+ sign 182.159 $\pm$ 0.021 χ^2 /NDF: 4498358.6/56

All: 178.164 $\pm$ 0.015 χ^2 /NDF: 9359343.9/116

- sign 174.461 $\pm$ 0.021 χ^2 /NDF: 4793259.4/59

asym_bcm_an_ds3_mean vs Slug



Right In: -225.688 ± 39.934 χ^2/NDF : 33.3/31

Left Out: 146.417 ± 46.379 χ^2/NDF : 11.4/24

Right Out: 274.494 ± 39.054 χ^2/NDF : 45.0/36

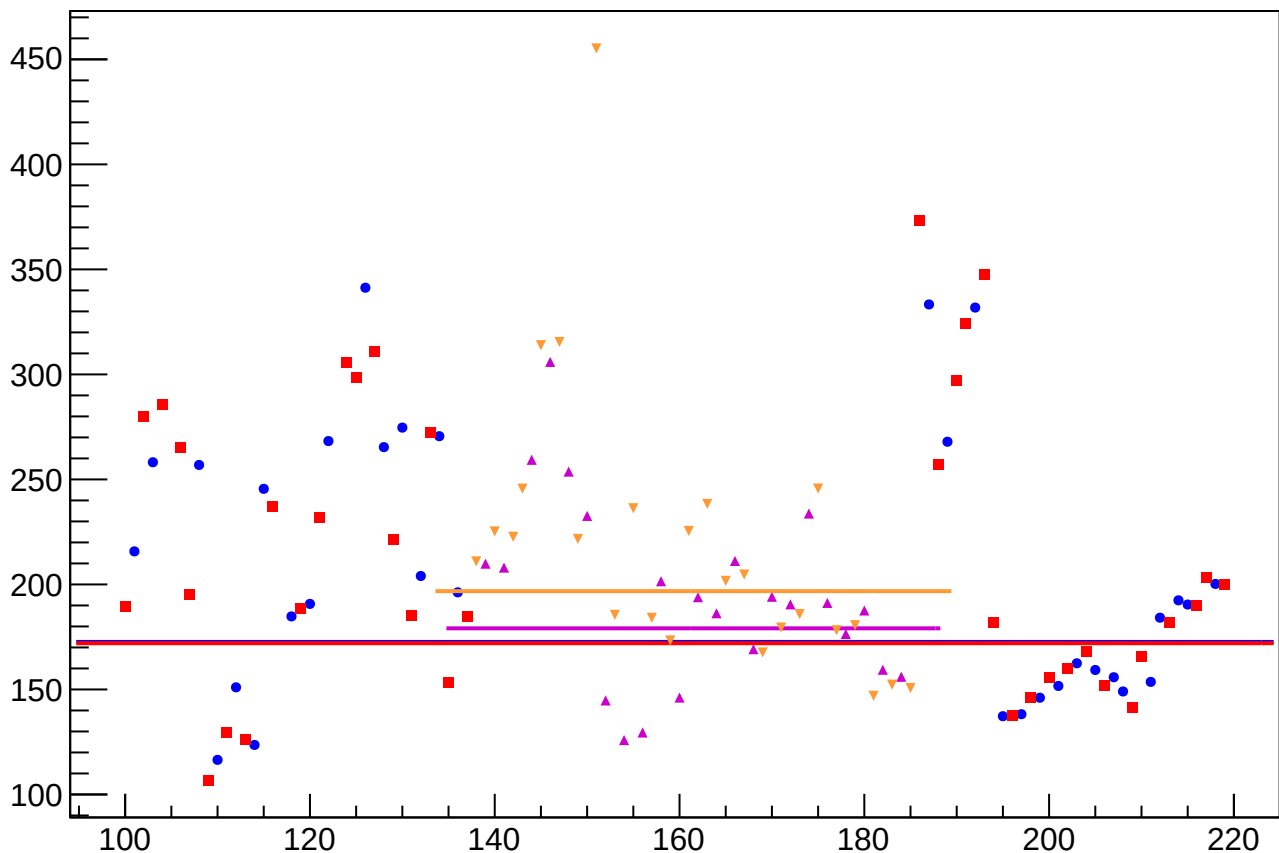
Left In: -114.807 ± 43.740 χ^2/NDF : 8.4/22

+ sign -67.267 ± 30.262 χ^2/NDF : 81.7/56

All: 20.485 ± 20.987 χ^2/NDF : 195.4/116

- sign 101.808 ± 29.132 χ^2/NDF : 97.5/59

asym_bcm_an_ds3_rms vs Slug



Right In: 172.629+/-0.028 χ^2/NDF : 2363642.7/31

Left Out: 196.805+/-0.033 χ^2/NDF :1808608.7/24

Right Out: 172.012+/-0.028 χ^2/NDF : 3104834.2/36

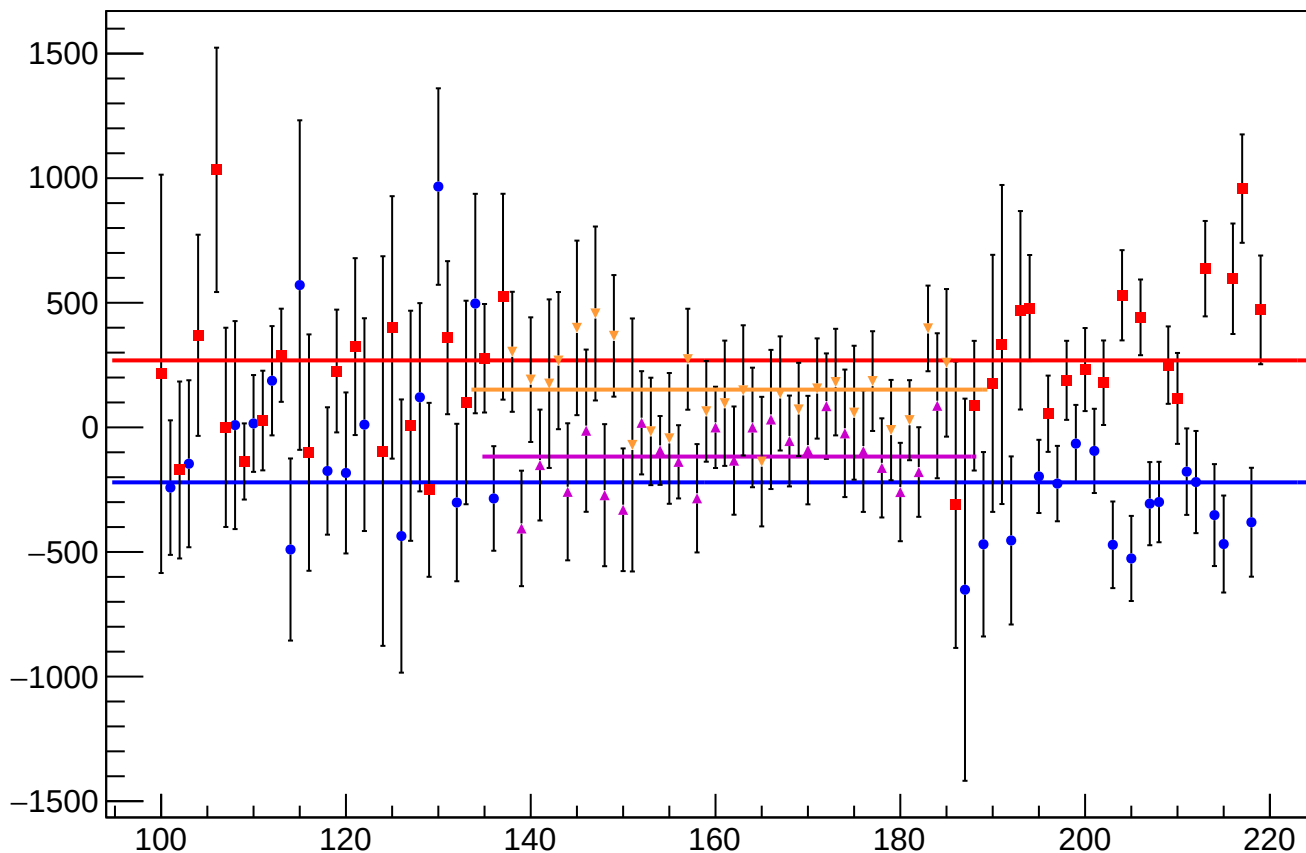
Left In: 179.101+/-0.031 χ^2/NDF :1655866.1/22

+ sign 182.922+/-0.021 χ^2/NDF : 4484347.9/56

All: 178.891+/-0.015 χ^2/NDF : 9342633.4/116

- sign 175.156+/-0.021 χ^2/NDF : 4789932.0/59

asym_bcm_an_us_mean vs Slug



Right In: -220.613 ± 40.010 χ^2/NDF : 31.7/31

Left Out: 151.598 ± 46.419 χ^2/NDF : 9.6/24

Right Out: 268.770 ± 39.109 χ^2/NDF : 43.3/36

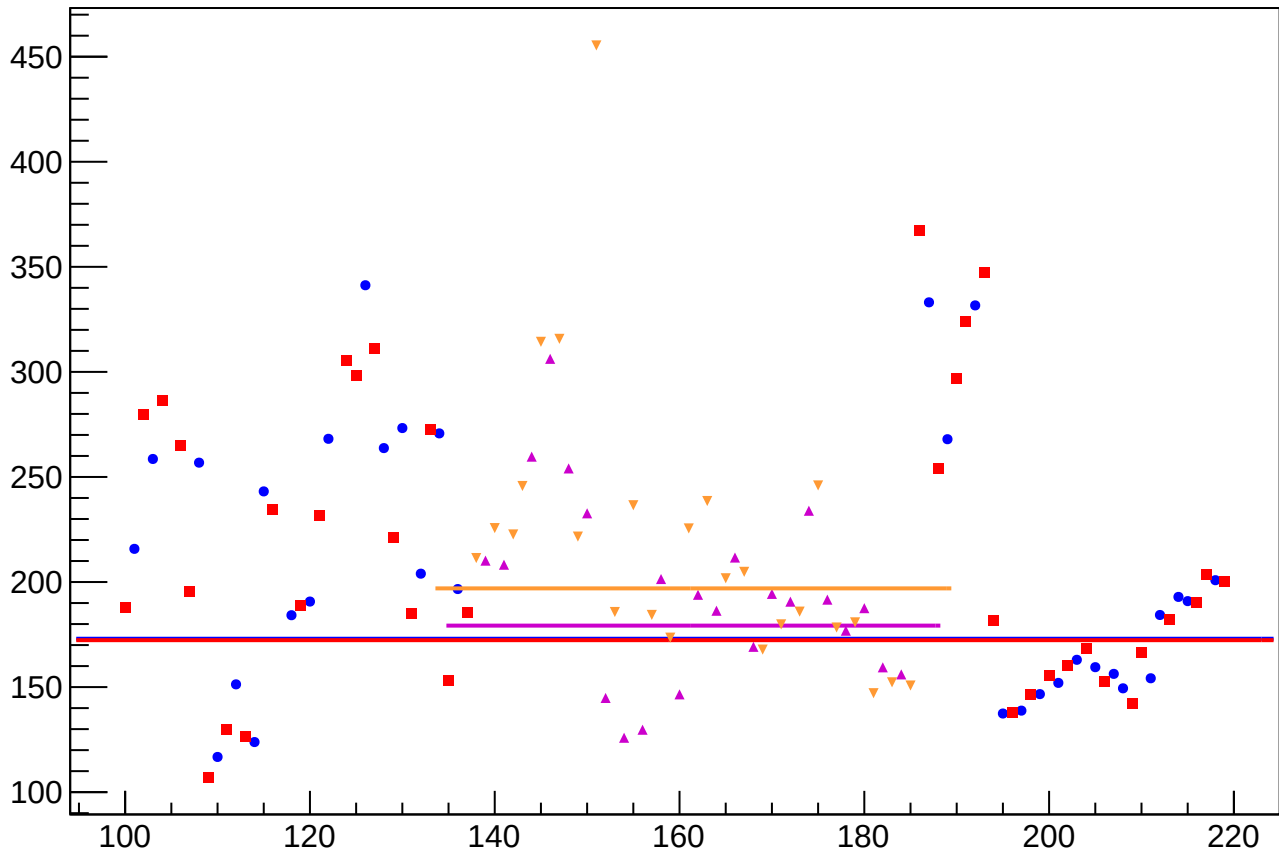
Left In: -117.163 ± 43.778 χ^2/NDF : 7.5/22

+ sign -61.959 ± 30.306 χ^2/NDF : 78.2/56

All: 20.813 ± 21.015 χ^2/NDF : 186.6/116

- sign 97.474 ± 29.166 χ^2/NDF : 94.0/59

asym_bcm_an_us_rms vs Slug



Right In: 173.008 $\pm$ 0.028 χ^2 /NDF: 2342016.5/31

Left Out: 196.975 $\pm$ 0.033 χ^2 /NDF:1809307.4/24

Right Out: 172.331 $\pm$ 0.028 χ^2 /NDF: 3069369.9/36

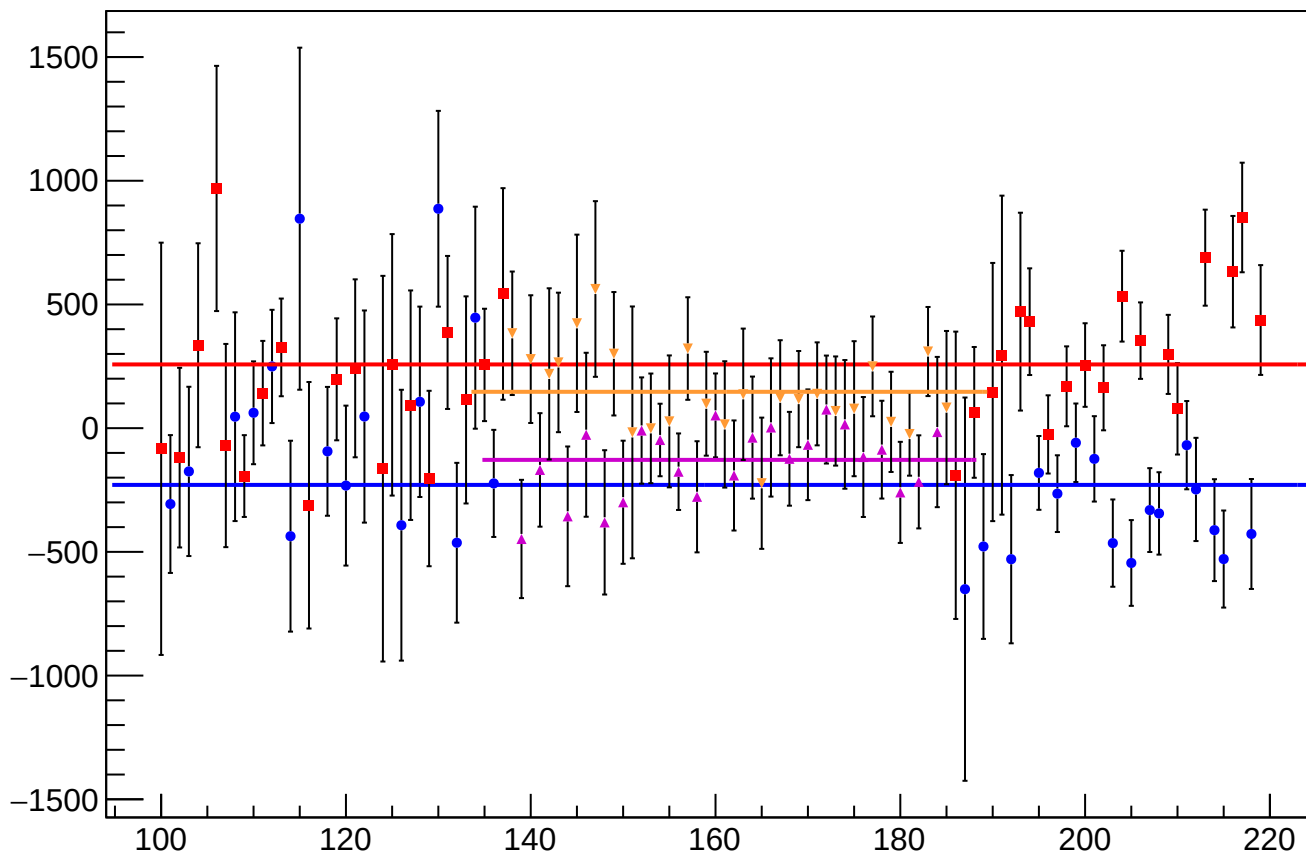
Left In: 179.256 $\pm$ 0.031 χ^2 /NDF:1656023.5/22

+ sign 183.224 $\pm$ 0.021 χ^2 /NDF: 4457234.3/56

All: 179.164 $\pm$ 0.015 χ^2 /NDF: 9279586.0/116

- sign 175.405 $\pm$ 0.021 χ^2 /NDF: 4753225.8/59

asym_bcm_dg_us_mean vs Slug



Right In: -229.315 ± 40.889 χ^2/NDF : 35.7/31

Left Out: 146.973 ± 47.709 χ^2/NDF : 10.2/24

Right Out: 257.611 ± 40.095 χ^2/NDF : 41.2/36

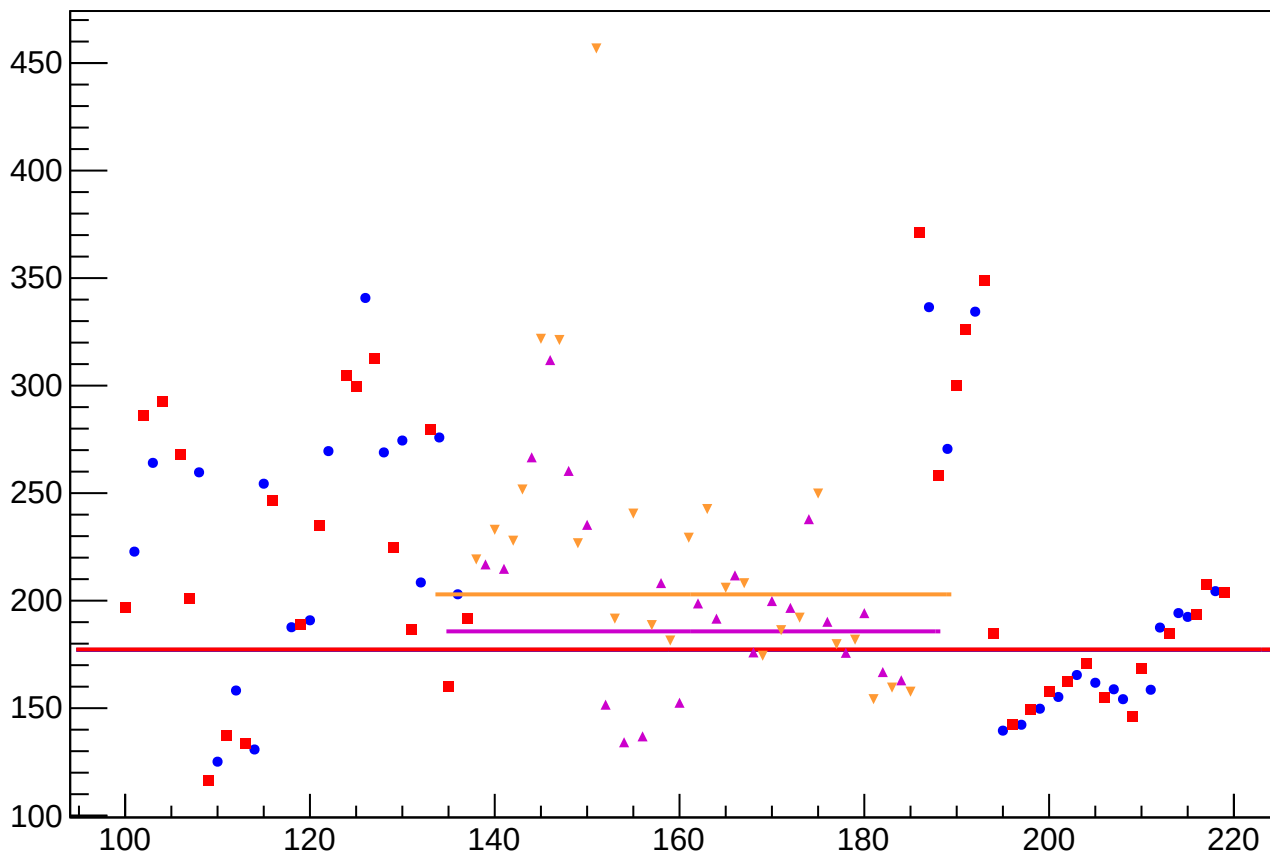
Left In: -128.159 ± 45.200 χ^2/NDF : 8.6/22

+ sign -69.967 ± 31.046 χ^2/NDF : 81.8/56

All: 11.598 ± 21.572 χ^2/NDF : 185.7/116

- sign 87.731 ± 29.995 χ^2/NDF : 90.5/59

asym_bcm_dg_us_rms vs Slug



Right In: 177.114 $\pm$ 0.029 χ^2 /NDF: 2235753.5/31

Left Out: 202.920 $\pm$ 0.034 χ^2 /NDF:1700115.2/24

Right Out: 177.290 $\pm$ 0.028 χ^2 /NDF: 2848542.5/36

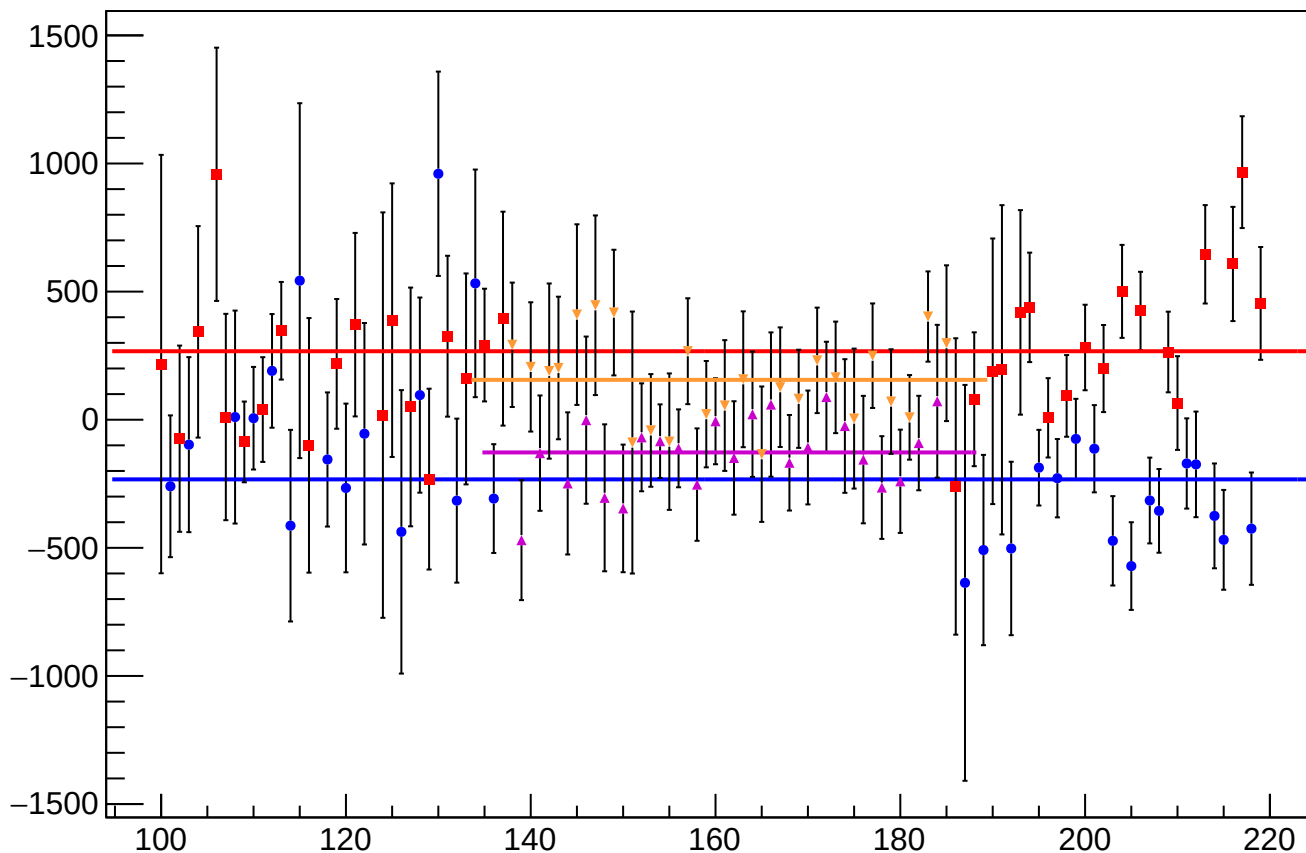
Left In: 185.716 $\pm$ 0.032 χ^2 /NDF:1489487.2/22

+ sign 188.042 $\pm$ 0.022 χ^2 /NDF: 4273227.5/56

All: 184.400 $\pm$ 0.015 χ^2 /NDF: 8703368.7/116

- sign 181.001 $\pm$ 0.021 χ^2 /NDF: 4376922.5/59

asym_bcm_dg_ds_mean vs Slug



Right In: -232.824 ± 40.378 χ^2/NDF : 32.9/31

Left Out: 155.646 ± 47.263 χ^2/NDF : 10.7/24

Right Out: 267.317 ± 39.506 χ^2/NDF : 40.5/36

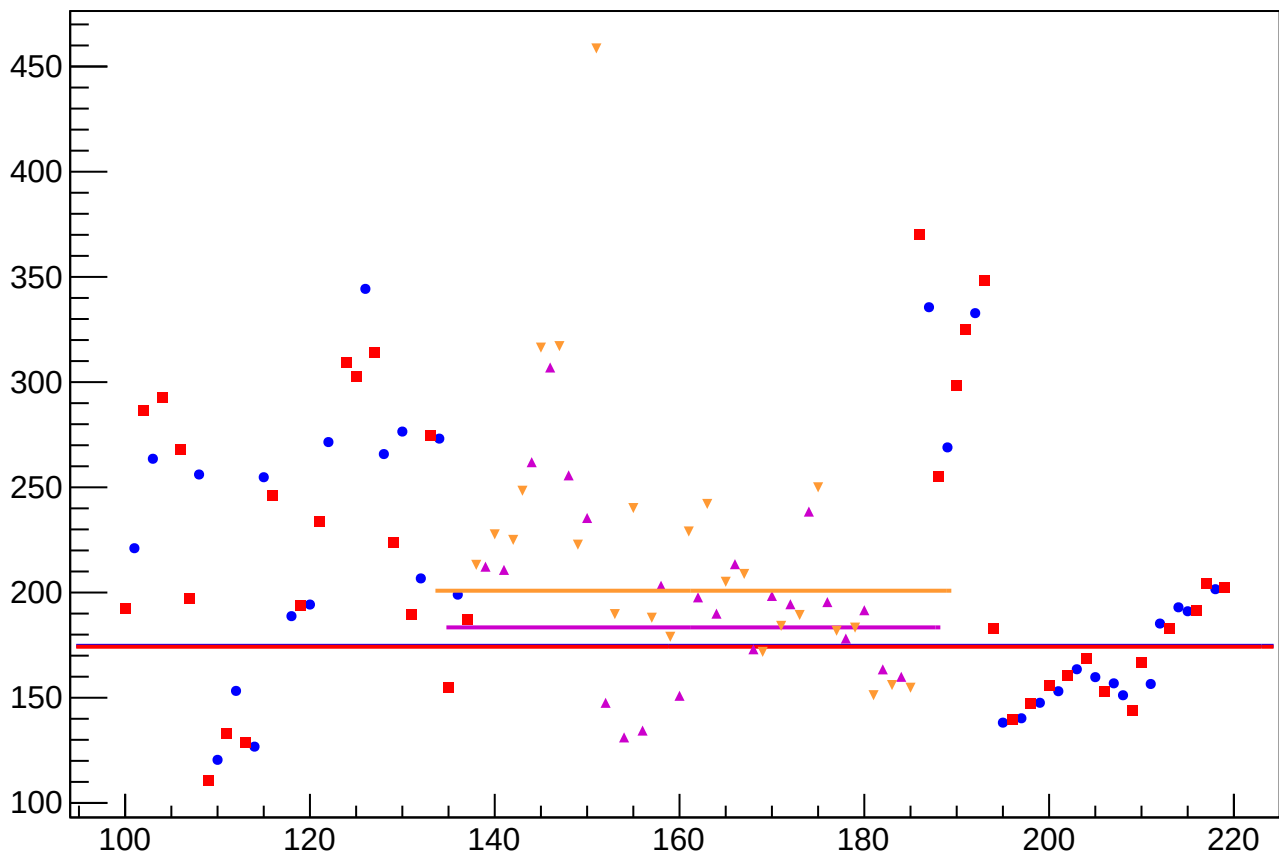
Left In: -127.660 ± 44.698 χ^2/NDF : 8.0/22

+ sign -68.920 ± 30.700 χ^2/NDF : 82.6/56

All: 15.556 ± 21.309 χ^2/NDF : 189.5/116

- sign 94.091 ± 29.601 χ^2/NDF : 92.3/59

asym_bcm_dg_ds_rms vs Slug



Right In: 174.667 $\pm$ 0.029 χ^2/NDF : 2326640.2/31

Left Out: 200.865 $\pm$ 0.033 χ^2/NDF : 1727404.3/24

Right Out: 174.244 $\pm$ 0.028 χ^2/NDF : 3024807.6/36

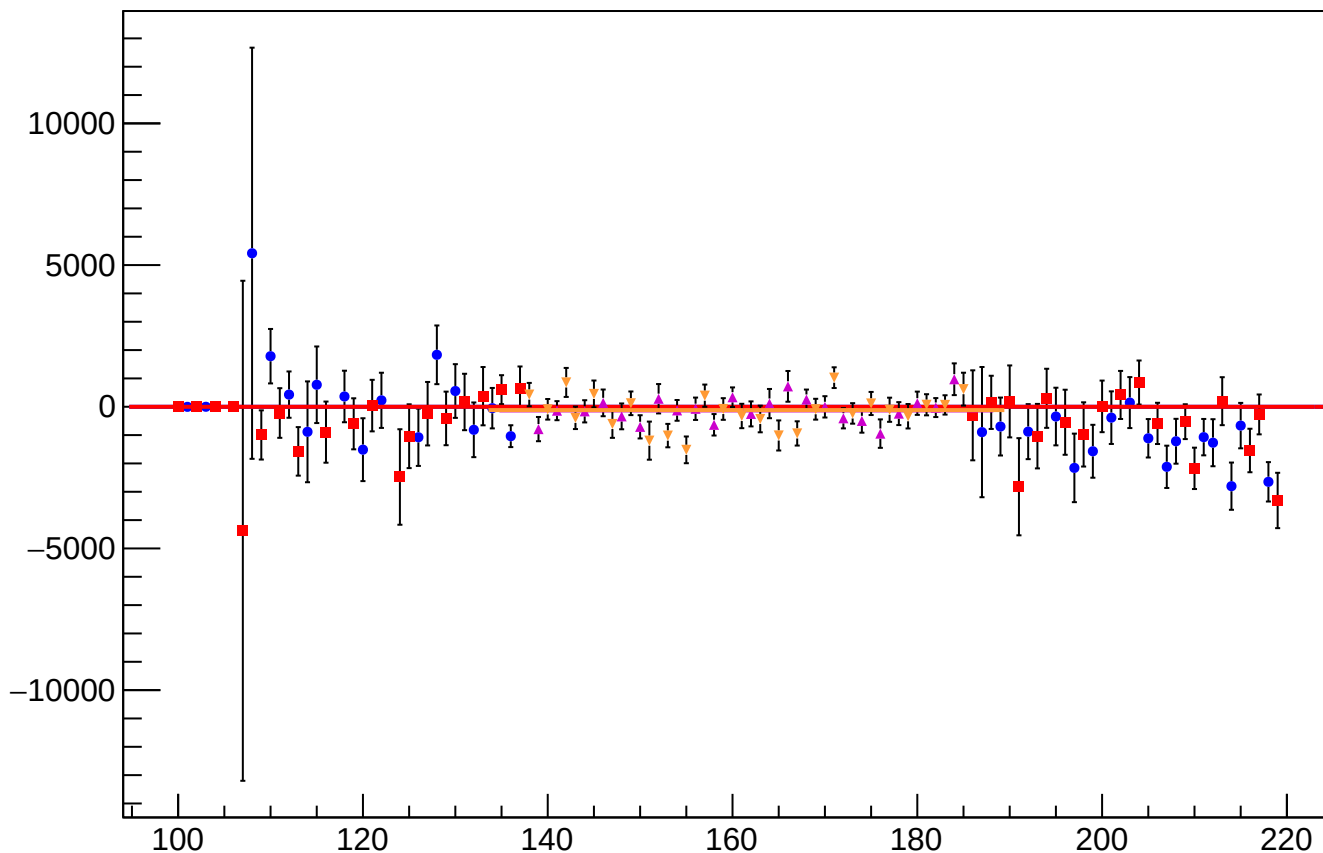
Left In: 183.433 $\pm$ 0.032 χ^2/NDF : 1530678.8/22

+ sign 185.721 $\pm$ 0.022 χ^2/NDF : 4409249.8/56

All: 181.862 $\pm$ 0.015 χ^2/NDF : 9073163.5/116

- sign 178.274 $\pm$ 0.021 χ^2/NDF : 4602940.9/59

asym_cav4bQ_mean vs Slug



Right In: -1.374 ± 2.171 $\chi^2/\text{NDF}: 72.3/31$

Left Out: -117.658 ± 84.207 $\chi^2/\text{NDF}: 46.4/24$

Right Out: -1.432 ± 2.022 $\chi^2/\text{NDF}: 48.9/36$

Left In: -129.738 ± 85.075 $\chi^2/\text{NDF}: 21.7/22$

+ sign -1.452 ± 2.170 $\chi^2/\text{NDF}: 120.6/56$

All: -1.480 ± 1.479 $\chi^2/\text{NDF}: 193.5/116$

- sign -1.505 ± 2.022 $\chi^2/\text{NDF}: 72.8/59$

asym_cav4bQ_rms vs Slug



Right In: 2.554 $\pm$ 0.002 χ^2 /NDF: 37033632.7/31

Left Out: 365.603 $\pm$ 0.060 χ^2 /NDF: 668124.0/24

Right Out: 2.533 $\pm$ 0.001 χ^2 /NDF: 39138135.8/36

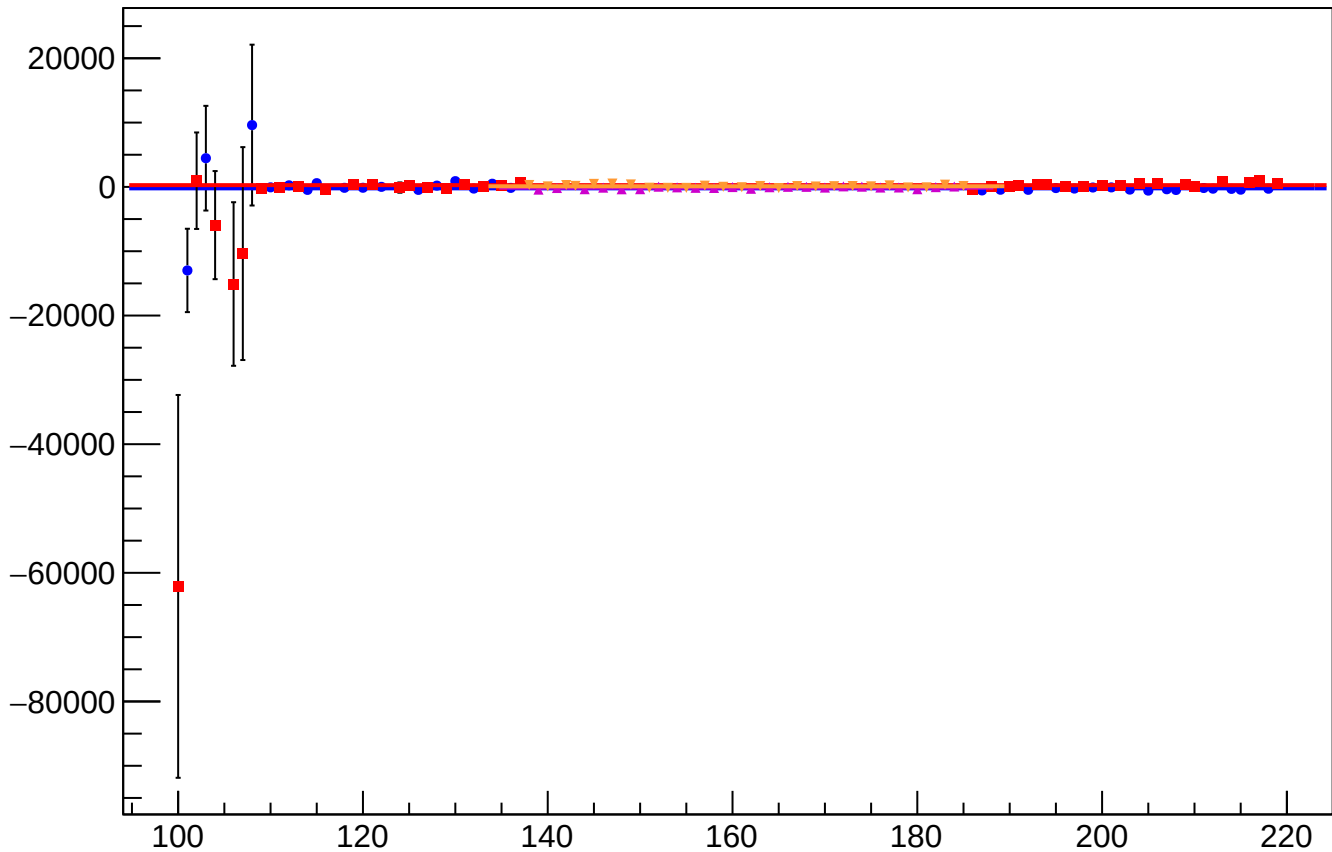
Left In: 359.024 $\pm$ 0.060 χ^2 /NDF: 446263.1/22

+ sign 2.795 $\pm$ 0.002 χ^2 /NDF: 74852700.6/56

All: 2.763 $\pm$ 0.001 χ^2 /NDF: 149535818.8/116

- sign 2.734 $\pm$ 0.001 χ^2 /NDF: 74682275.3/59

asym_cav4cQ_mean vs Slug



Right In: -226.693 ± 43.773 χ^2/NDF : 34.5/31

Left Out: 99.601 ± 48.250 χ^2/NDF : 12.7/24

Right Out: 273.649 ± 43.274 χ^2/NDF : 49.2/36

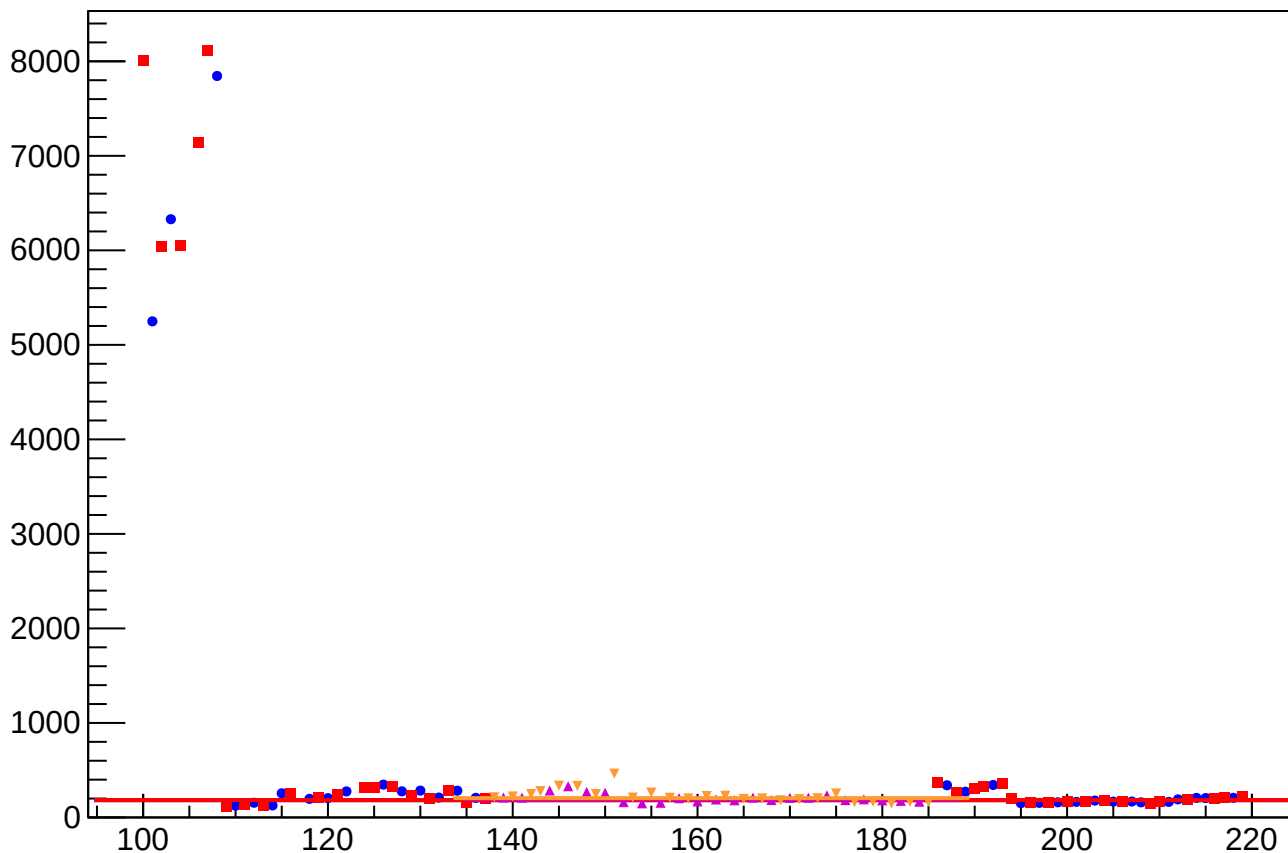
Left In: -119.345 ± 46.957 χ^2/NDF : 9.3/22

+ sign -79.384 ± 32.420 χ^2/NDF : 72.4/56

All: 8.496 ± 22.710 χ^2/NDF : 183.1/116

- sign 93.165 ± 31.822 χ^2/NDF : 96.4/59

asym_cav4cQ_rms vs Slug



Right In: 182.761 $\pm$ 0.031 χ^2 /NDF: 4975956.9/31

Left Out: 204.581 $\pm$ 0.034 χ^2 /NDF: 1975114.7/24

Right Out: 183.506 $\pm$ 0.031 χ^2 /NDF: 5707838.6/36

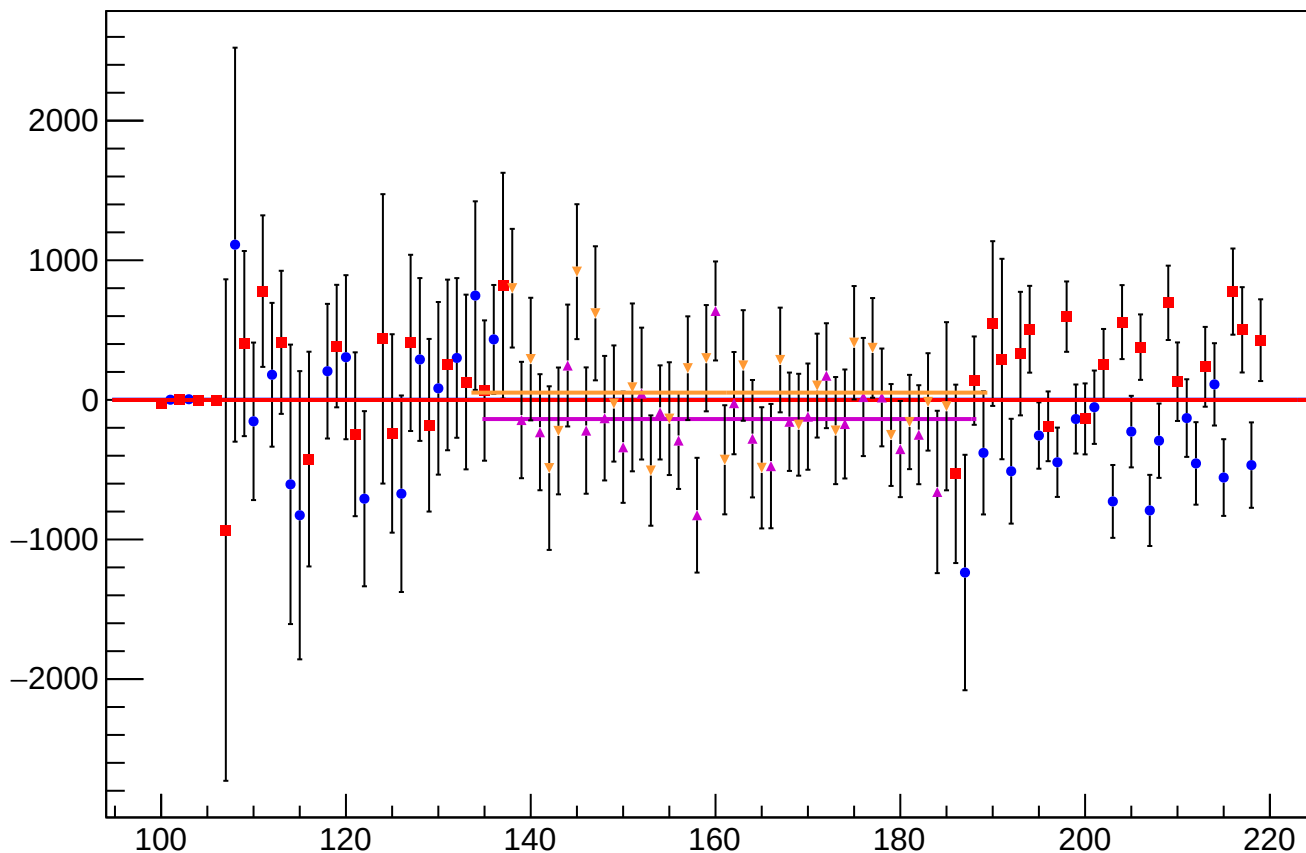
Left In: 193.895 $\pm$ 0.033 χ^2 /NDF: 1191589.3/22

+ sign 192.612 $\pm$ 0.023 χ^2 /NDF: 7175438.8/56

All: 190.404 $\pm$ 0.016 χ^2 /NDF: 14146016.4/11

- sign 188.277 $\pm$ 0.023 χ^2 /NDF: 6952368.6/59

asym_cav4dQ_mean vs Slug



Right In: 1.260 ± 1.660 χ^2/NDF : 46.2/31

Left Out: 51.829 ± 81.555 χ^2/NDF : 19.4/24

Right Out: -0.942 ± 1.527 χ^2/NDF : 47.7/36

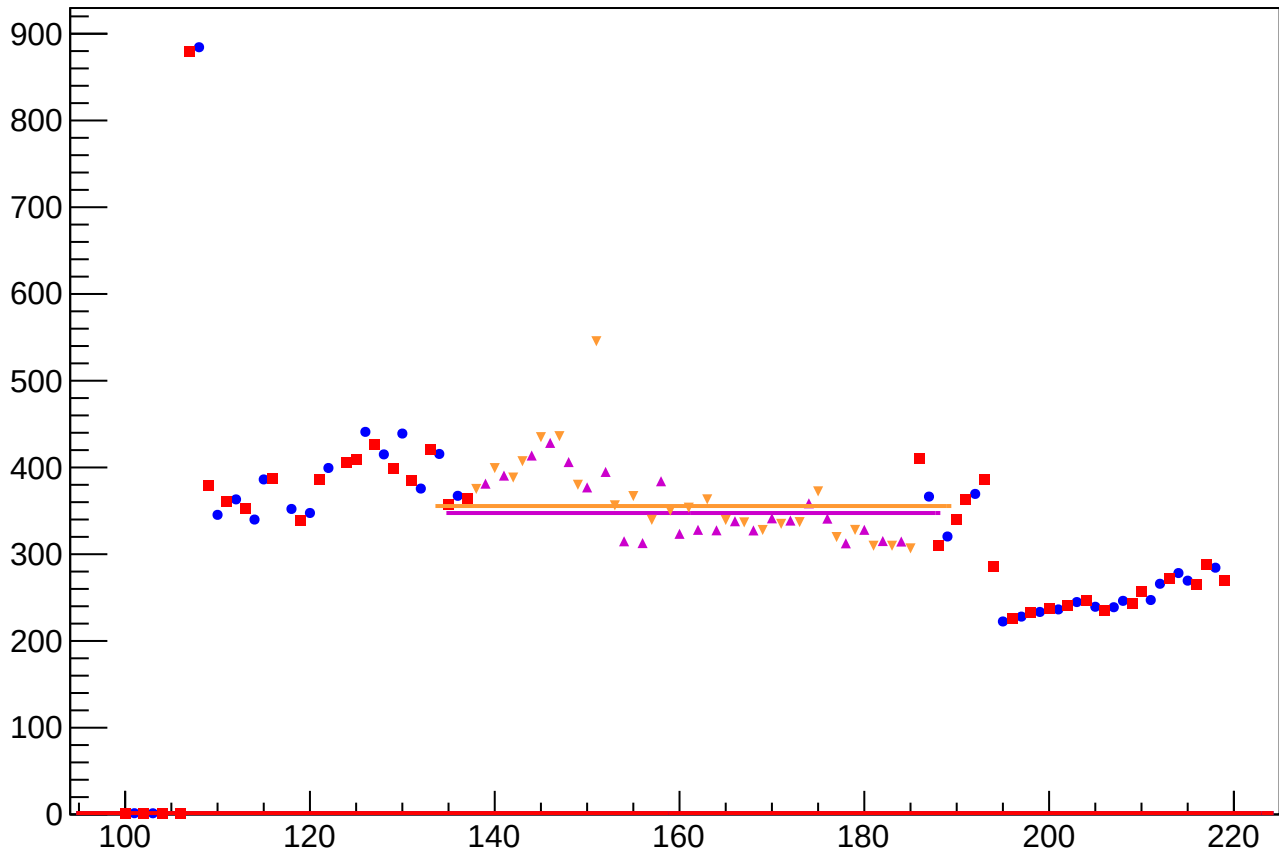
Left In: -137.399 ± 82.111 χ^2/NDF : 12.2/22

+ sign 1.281 ± 1.660 χ^2/NDF : 66.0/56

All: 0.052 ± 1.124 χ^2/NDF : 129.6/116

- sign -0.989 ± 1.527 χ^2/NDF : 62.6/59

asym_cav4dQ_rms vs Slug



Right In: 1.607 ± 0.001 χ^2/NDF : 37253609.3/31

Left Out: 355.535 ± 0.058 χ^2/NDF : 528878.5/24

Right Out: 1.588 ± 0.001 χ^2/NDF : 38825855.5/36

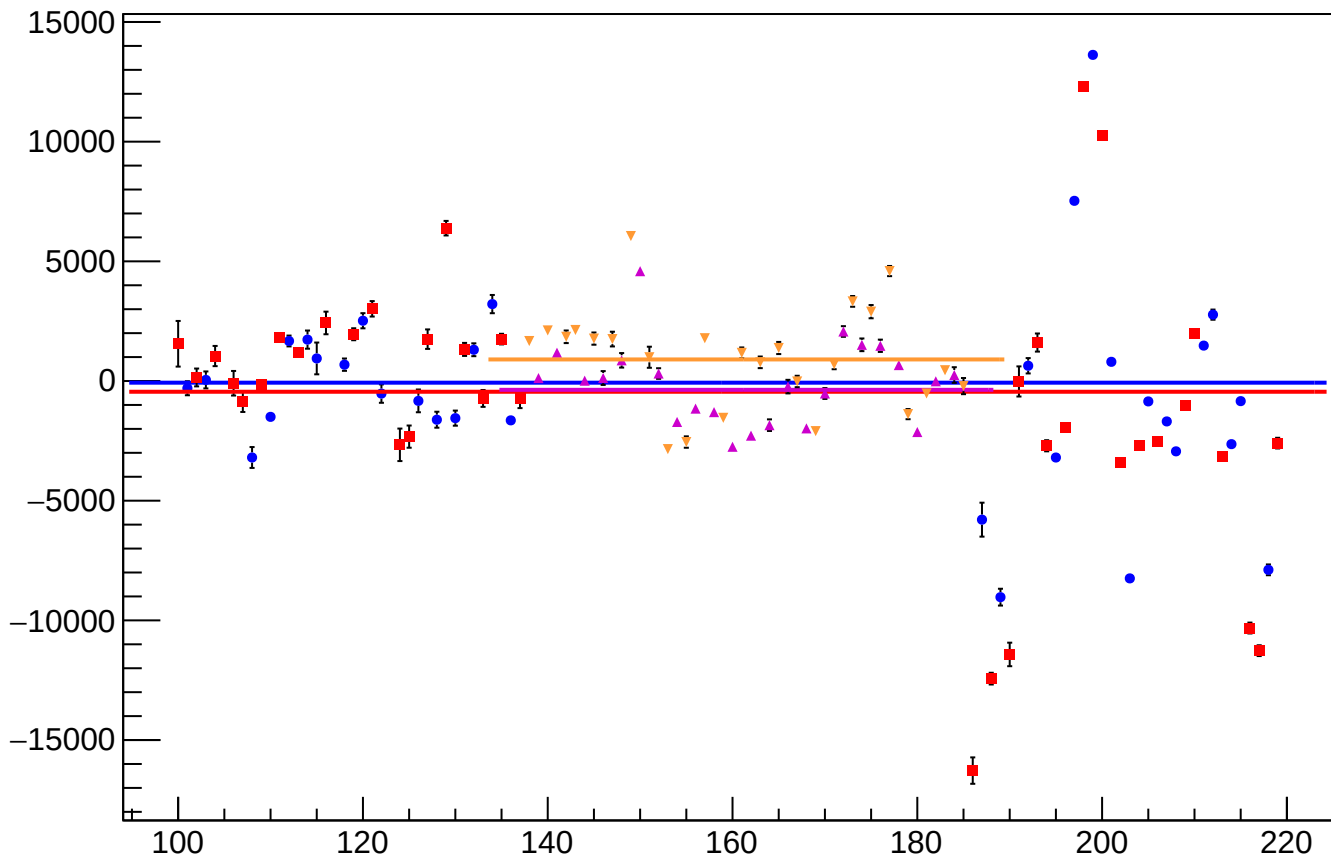
Left In: 347.484 ± 0.058 χ^2/NDF : 344530.3/22

+ sign 1.754 ± 0.001 χ^2/NDF : 75433665.5/56

All: 1.729 ± 0.001 χ^2/NDF : 150083624.7/116

- sign 1.708 ± 0.001 χ^2/NDF : 74649125.1/59

asym_bcm0l02_mean vs Slug



Right In: -69.335 ± 41.975 $\chi^2/\text{NDF}: 13485.2/31$

Left Out: 901.476 ± 44.481 $\chi^2/\text{NDF}: 2411.0/24$

Right Out: -448.543 ± 40.945 $\chi^2/\text{NDF}: 18860.0/36$

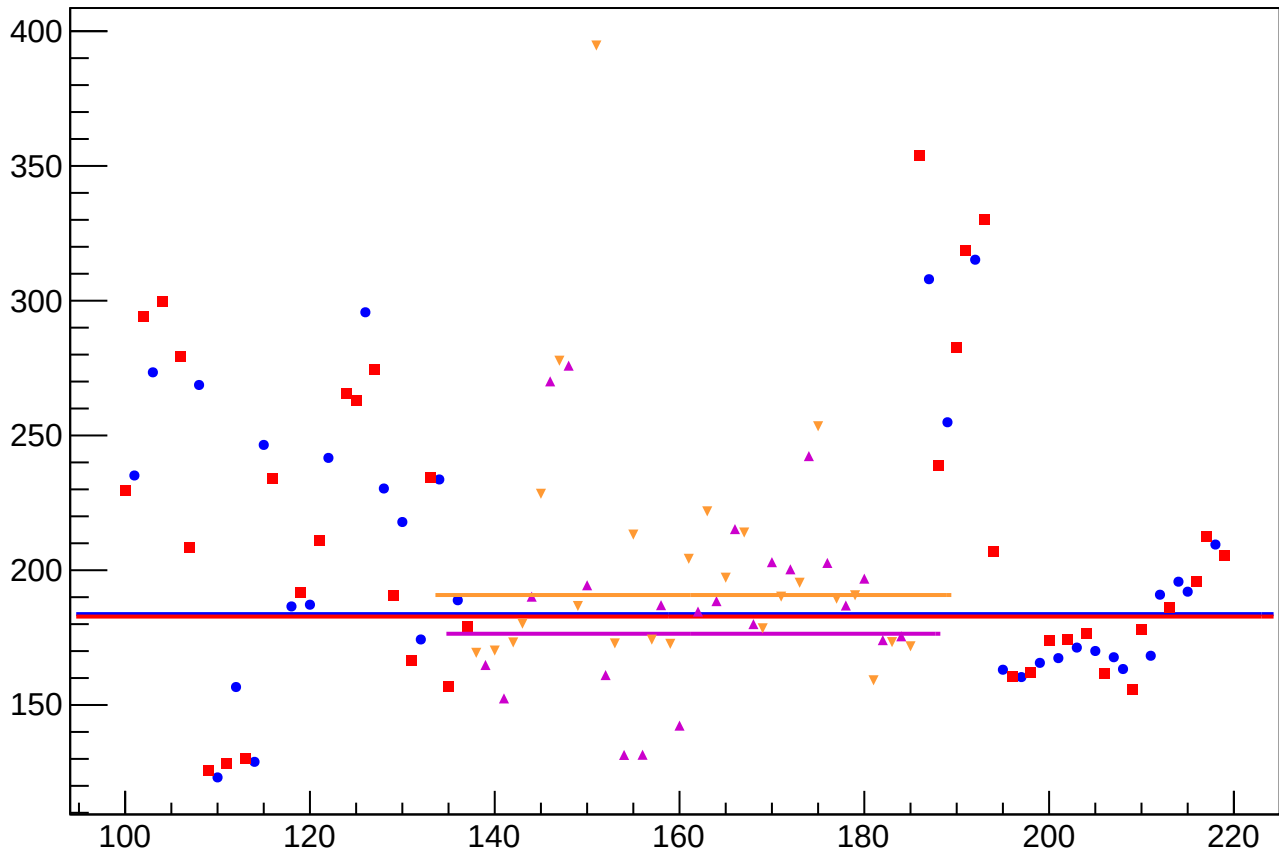
Left In: -368.252 ± 42.700 $\chi^2/\text{NDF}: 1593.0/22$

+ sign 387.950 ± 30.528 $\chi^2/\text{NDF}: 16148.1/56$

All: -24.014 ± 21.234 $\chi^2/\text{NDF}: 36955.7/116$

- sign -410.081 ± 29.553 $\chi^2/\text{NDF}: 20454.9/59$

asym_bcm0l02_rms vs Slug



Right In: 183.716+/-0.030 χ^2/NDF : 1483581.9/31

Left Out: 190.801+/-0.031 χ^2/NDF :1019598.1/24

Right Out: 182.804+/-0.029 χ^2/NDF : 2254976.8/36

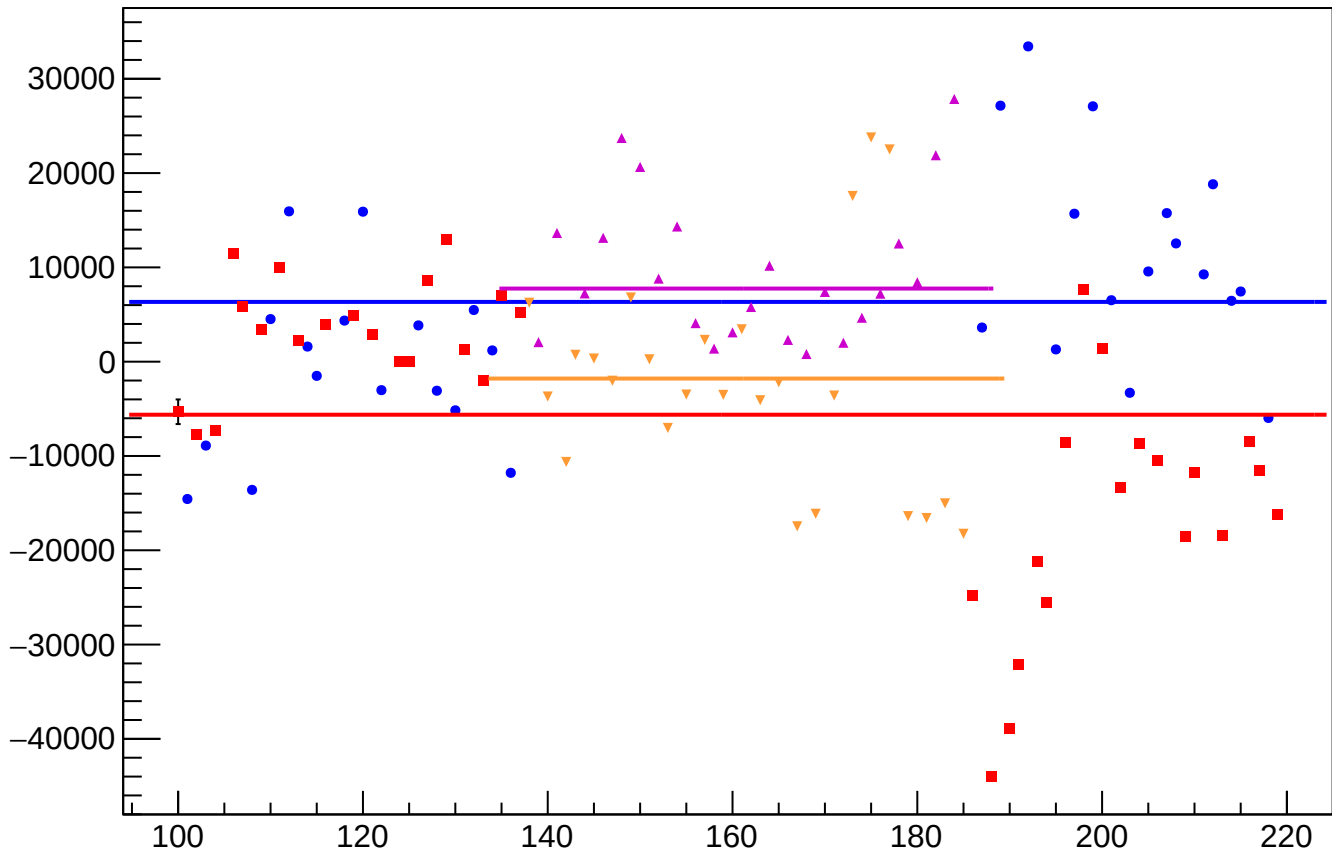
Left In: 176.431+/-0.030 χ^2/NDF :1257661.0/22

+ sign 187.053+/-0.022 χ^2/NDF : 2530022.4/56

All: 183.284+/-0.015 χ^2/NDF : 6124933.4/116

- sign 179.751+/-0.021 χ^2/NDF : 3535844.5/59

asym_bpm0i02WS_mean vs Slug



Right In: 6339.118+/-38.059 χ^2/NDF : 99112.1/31

Left Out: -1790.289+/-40.910 χ^2/NDF : 65745.9/24

+ sign 2567.565+/-27.865 χ^2/NDF : 186025.6/56

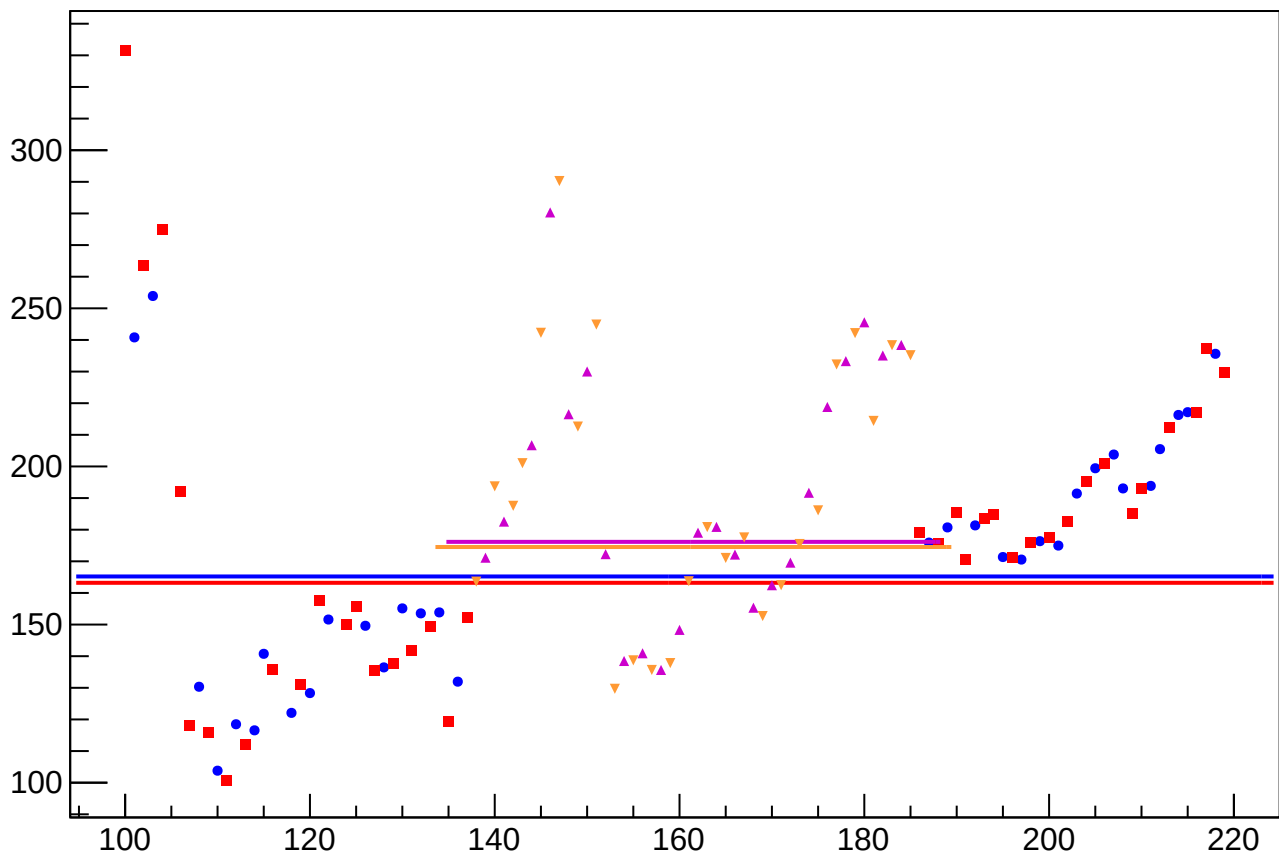
Right Out: -5625.025+/-36.486 χ^2/NDF : 149627.3/36

All: 1296.873+/-19.646 χ^2/NDF : 420012.0/11

- sign 40.898+/-27.703 χ^2/NDF : 229851.5/59

Left In: 7754.468+/-42.571 χ^2/NDF : 23278.0/22

asym_bpm0i02WS_rms vs Slug



Right In: 165.211+/-0.027 χ^2/NDF : 1817979.8/31

Left Out: 174.520+/-0.029 χ^2/NDF : 1659469.6/24

Right Out: 163.206+/-0.026 χ^2/NDF : 2261955.4/36

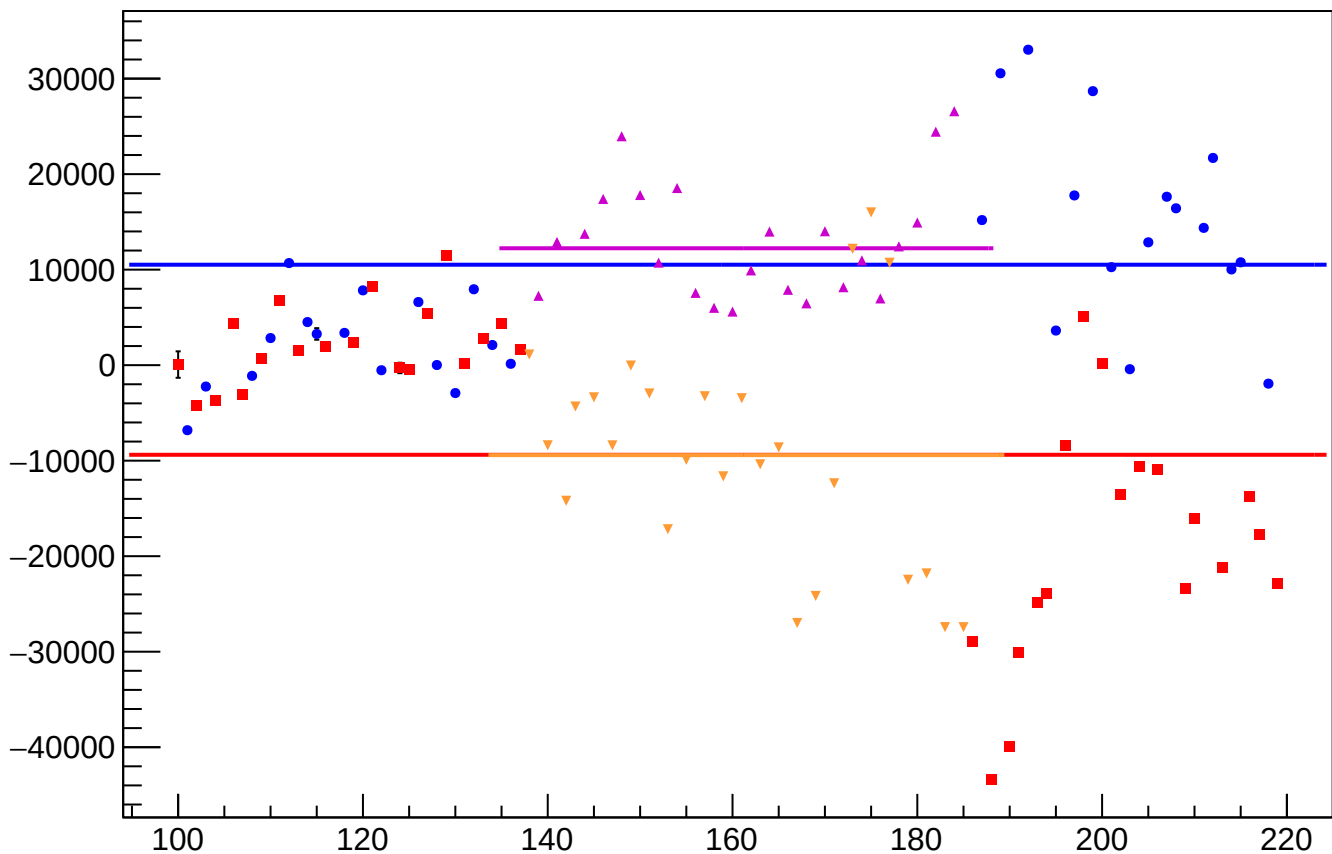
Left In: 176.155+/-0.030 χ^2/NDF : 1367059.2/22

+ sign 169.530+/-0.020 χ^2/NDF : 3532970.7/56

All: 169.107+/-0.014 χ^2/NDF : 7269570.4/116

- sign 168.690+/-0.020 χ^2/NDF : 3735684.8/59

asym_bpm0i02aWS_mean vs Slug



Right In: 10516.588+/-41.421 χ^2/NDF : 59301.8/31

Left Out: -9420.181+/-45.698 χ^2/NDF : 64719.0/24

Right Out: -9384.487+/-39.797 χ^2/NDF : 122918.9/36

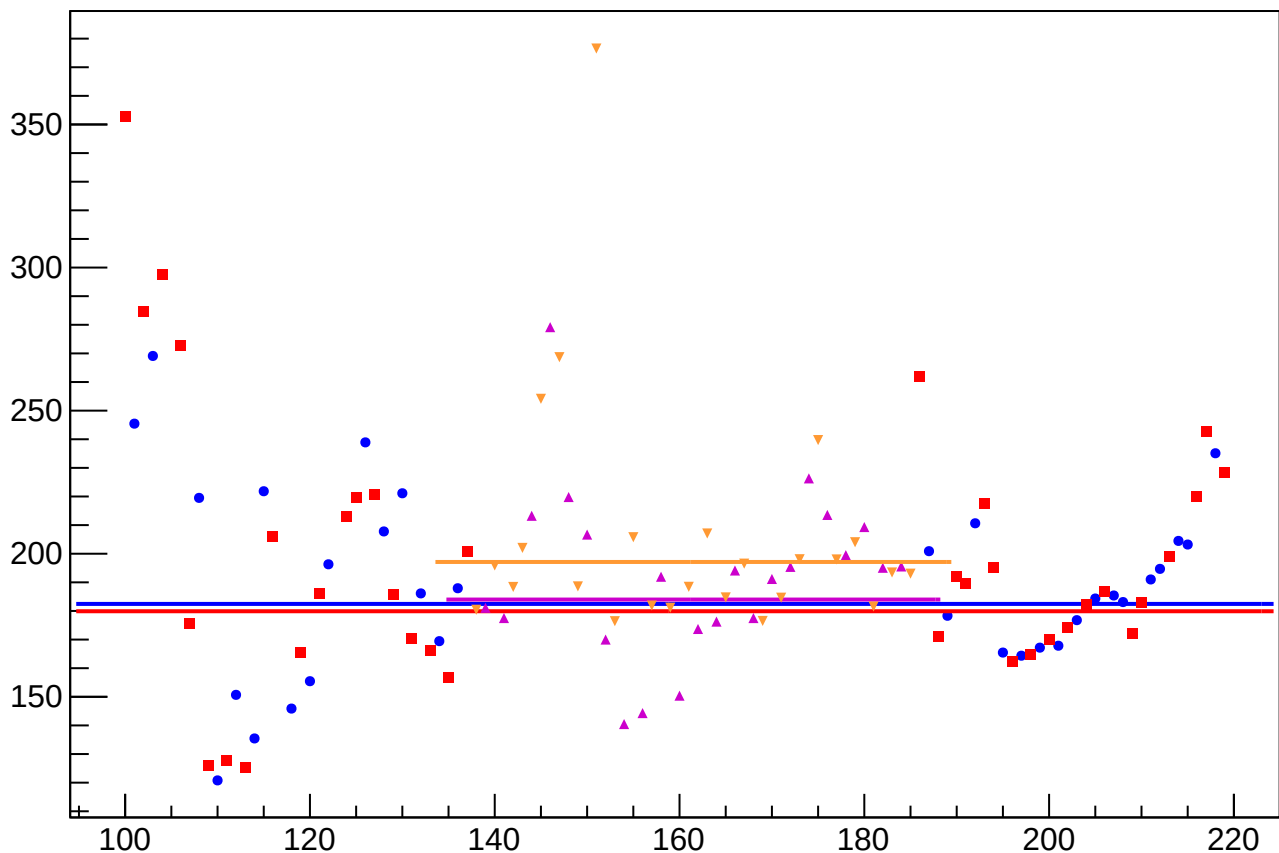
Left In: 12238.678+/-44.195 χ^2/NDF : 16015.8/22

+ sign 1524.694+/-30.690 χ^2/NDF : 228510.4/56

All: 888.652+/-21.295 χ^2/NDF : 500464.0/116

- sign 298.026+/-29.574 χ^2/NDF : 271125.2/59

asym_bpm0i02aWS_rms vs Slug



Right In: 182.461+/-0.029 χ^2/NDF : 924382.2/31

Left Out: 197.122+/-0.032 χ^2/NDF : 732529.8/24

Right Out: 179.897+/-0.028 χ^2/NDF : 1497173.0/36

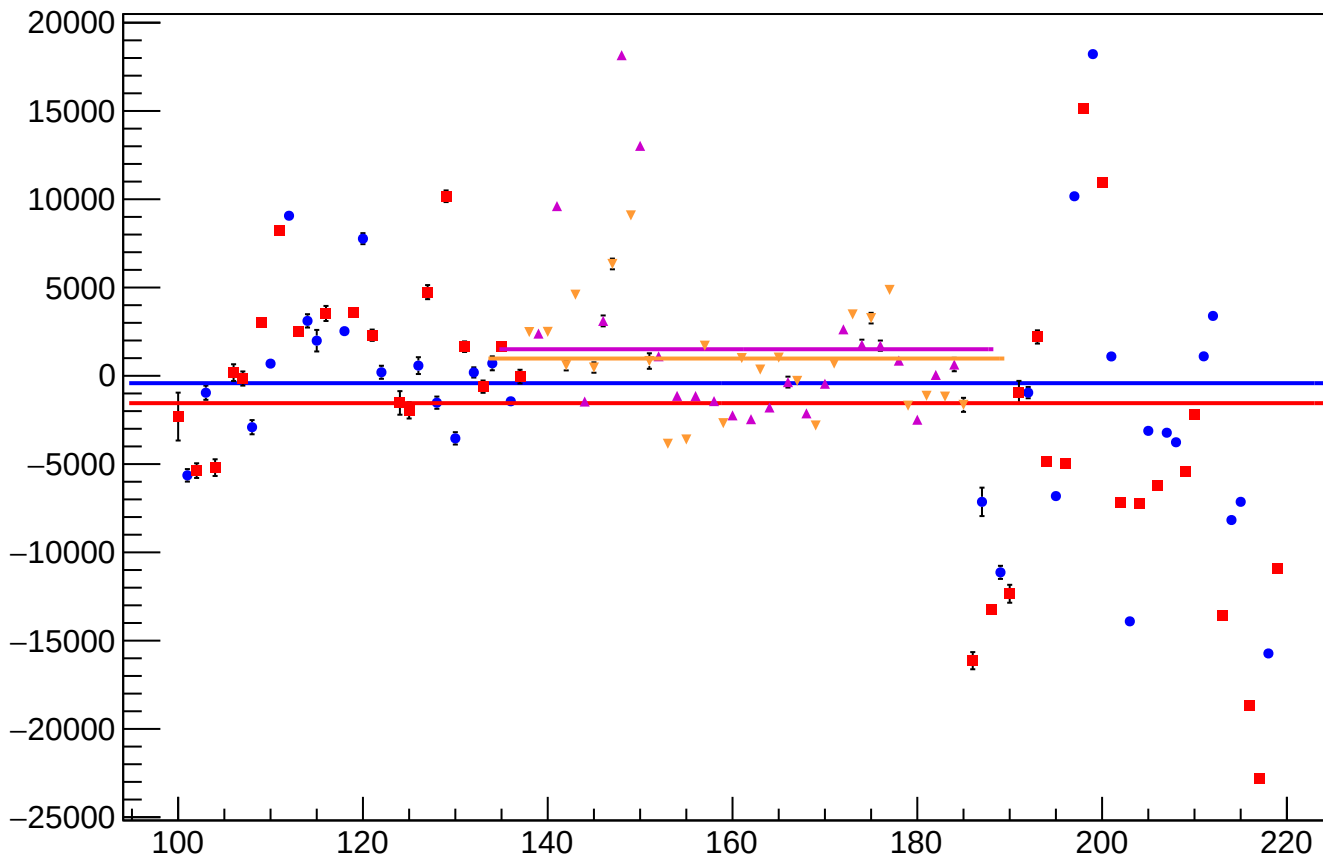
Left In: 183.985+/-0.031 χ^2/NDF : 829778.1/22

+ sign 189.073+/-0.022 χ^2/NDF : 1769930.1/56

All: 185.265+/-0.015 χ^2/NDF : 4165742.8/116

- sign 181.728+/-0.021 χ^2/NDF : 2336402.0/59

asym_bpm0i05WS_mean vs Slug



Right In: -417.460 ± 46.465 χ^2/NDF : 26985.5/31

Left Out: 978.429 ± 49.607 χ^2/NDF : 4322.9/24

Right Out: -1549.058 ± 44.720 χ^2/NDF : 36556.9/36

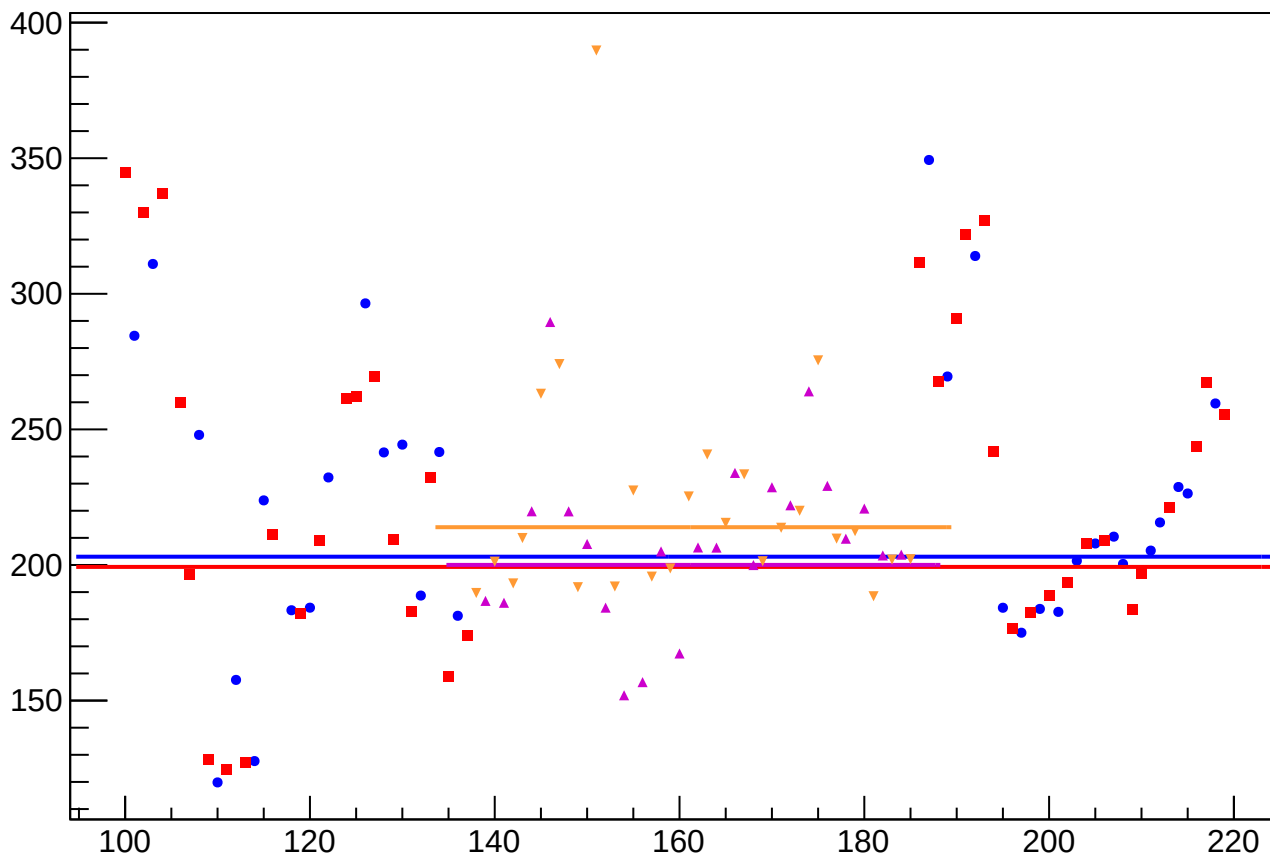
Left In: 1505.093 ± 48.051 χ^2/NDF : 11480.6/22

+ sign 234.886 ± 33.912 χ^2/NDF : 31730.2/56

All: 45.226 ± 23.553 χ^2/NDF : 81993.0/116

- sign -131.506 ± 32.736 χ^2/NDF : 50202.4/59

asym_bpm0i05WS_rms vs Slug



Right In: 203.056 $\pm$ 0.033 χ^2 /NDF: 1601048.9/31

Left Out: 213.931 $\pm$ 0.035 χ^2 /NDF: 733638.6/24

Right Out: 199.290 $\pm$ 0.032 χ^2 /NDF: 2552523.4/36

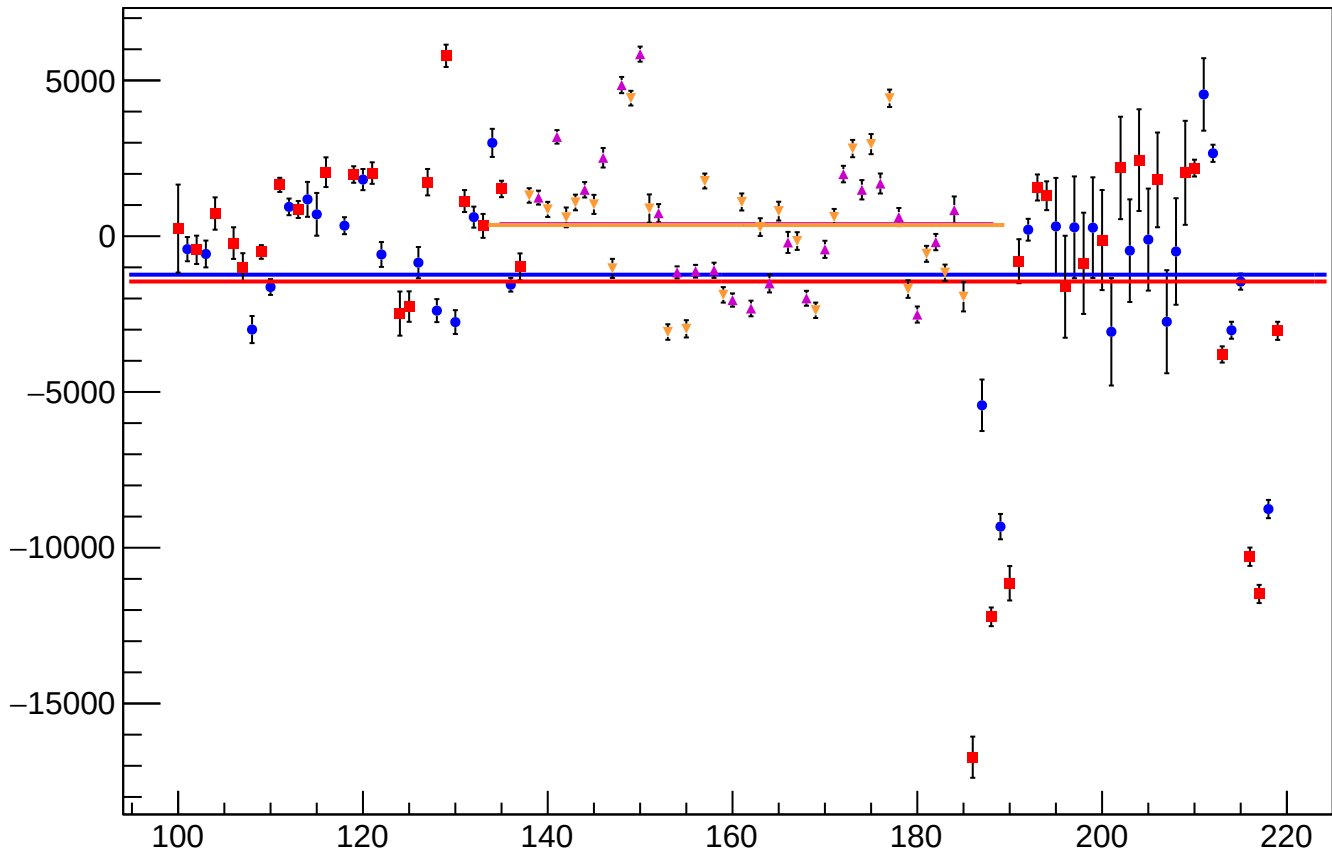
Left In: 200.031 $\pm$ 0.034 χ^2 /NDF: 785525.4/22

+ sign 208.138 $\pm$ 0.024 χ^2 /NDF: 2385887.8/56

All: 203.736 $\pm$ 0.017 χ^2 /NDF: 5789305.9/116

- sign 199.634 $\pm$ 0.023 χ^2 /NDF: 3338303.6/59

asym_bpm0i07WS_mean vs Slug



Right In: -1235.447 ± 69.731 χ^2/NDF : 1752.5/31

Left Out: 358.680 ± 54.992 χ^2/NDF : 1418.9/24

Right Out: -1454.435 ± 63.496 χ^2/NDF : 5922.8/36

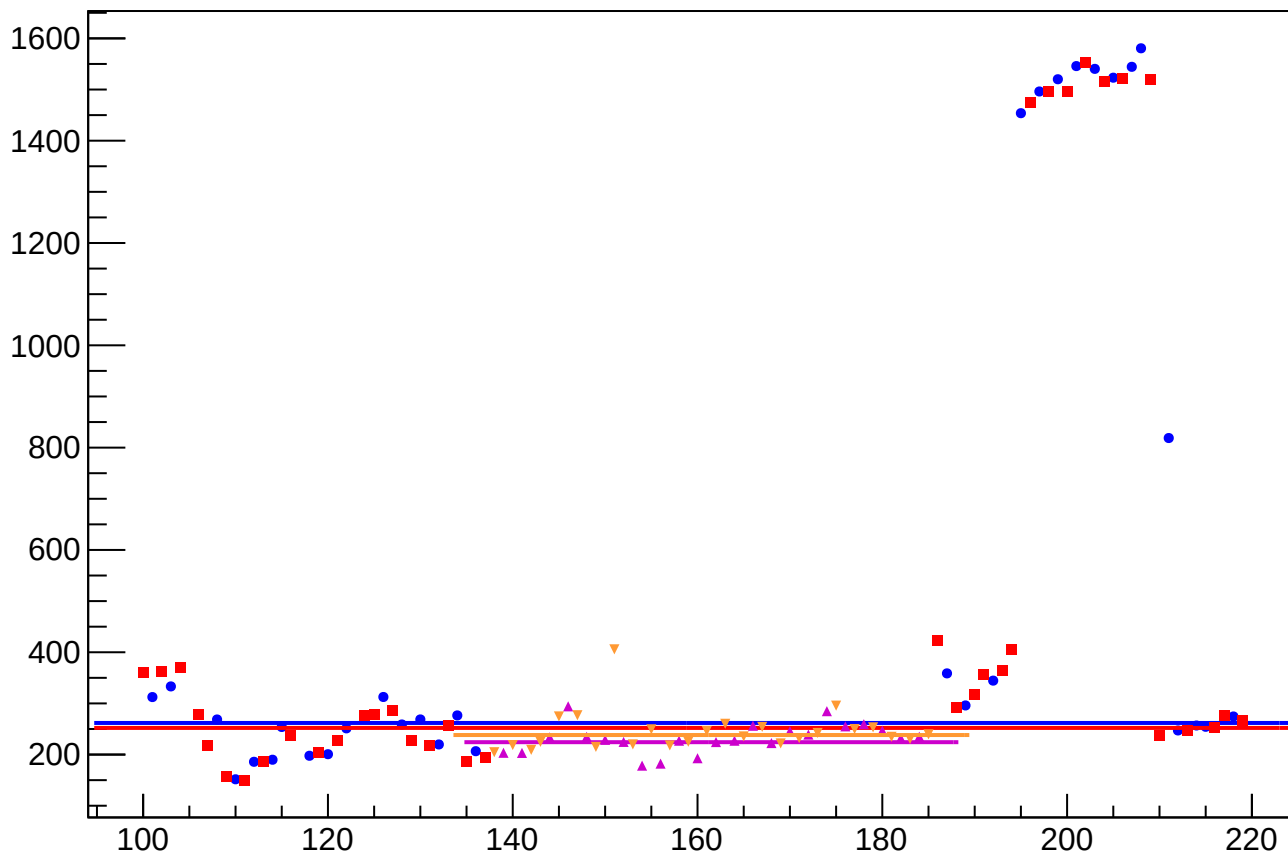
Left In: 386.941 ± 53.528 χ^2/NDF : 1804.2/22

+ sign -252.592 ± 43.180 χ^2/NDF : 3493.6/56

All: -318.675 ± 29.704 χ^2/NDF : 11716.5/116

- sign -378.039 ± 40.926 χ^2/NDF : 8218.5/59

asym_bpm0i07WS_rms vs Slug



Right In: 261.801+/-0.049 χ^2/NDF : 11065076.7/31

Left Out: 238.199+/-0.039 χ^2/NDF : 567935.3/24

Right Out: 252.105+/-0.045 χ^2/NDF : 10550978.6/36

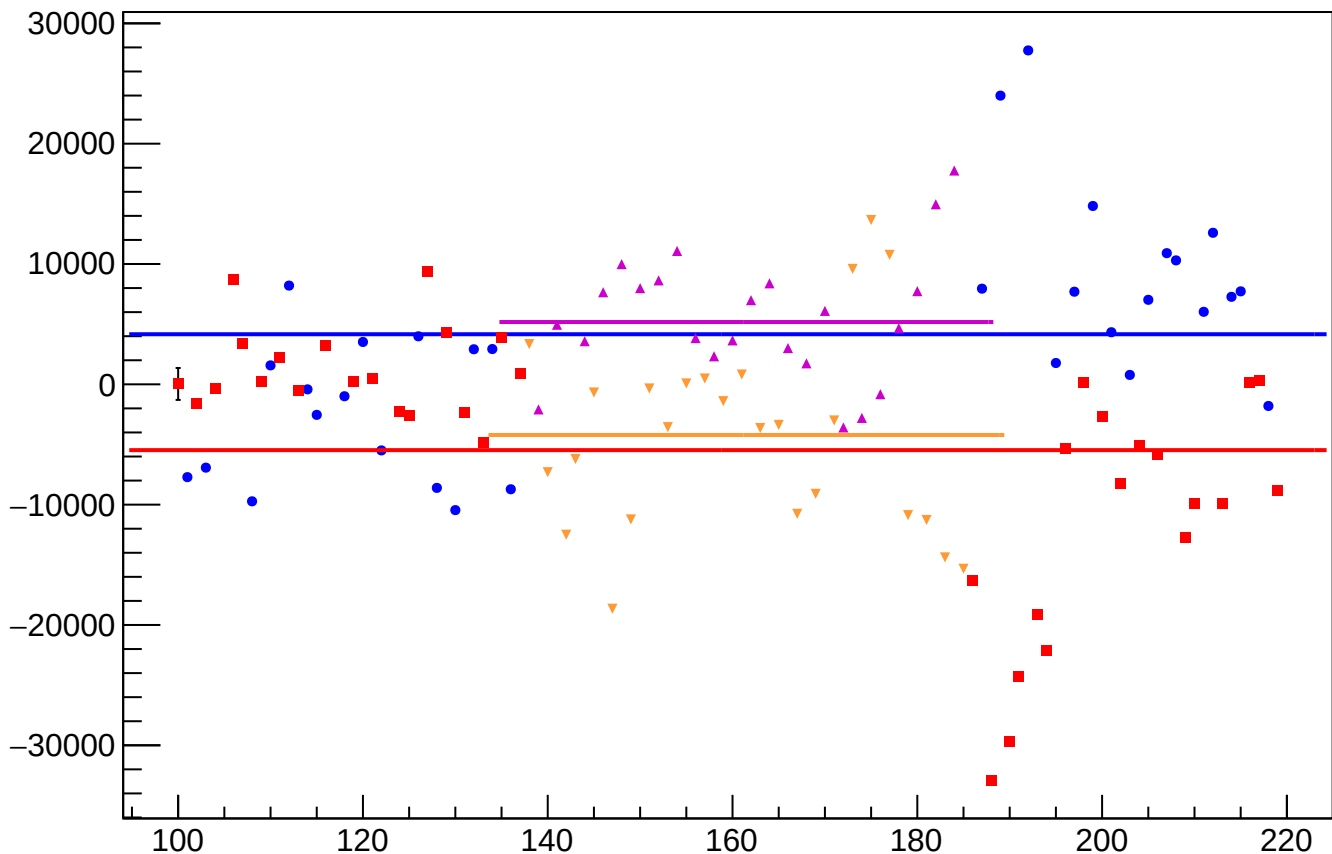
Left In: 224.212+/-0.038 χ^2/NDF : 563231.1/22

+ sign 247.249+/-0.031 χ^2/NDF : 11774276.1/56

All: 241.218+/-0.021 χ^2/NDF : 23188176.3/11

- sign 235.800+/-0.029 χ^2/NDF : 11339826.7/59

asym_bpm1i02WS_mean vs Slug



Right In: 4162.195+/-32.329 χ^2/NDF : 82834.5/31

Left Out: -4210.601+/-30.828 χ^2/NDF : 56802.7/24

Right Out: -5469.697+/-30.831 χ^2/NDF : 107507.6/36

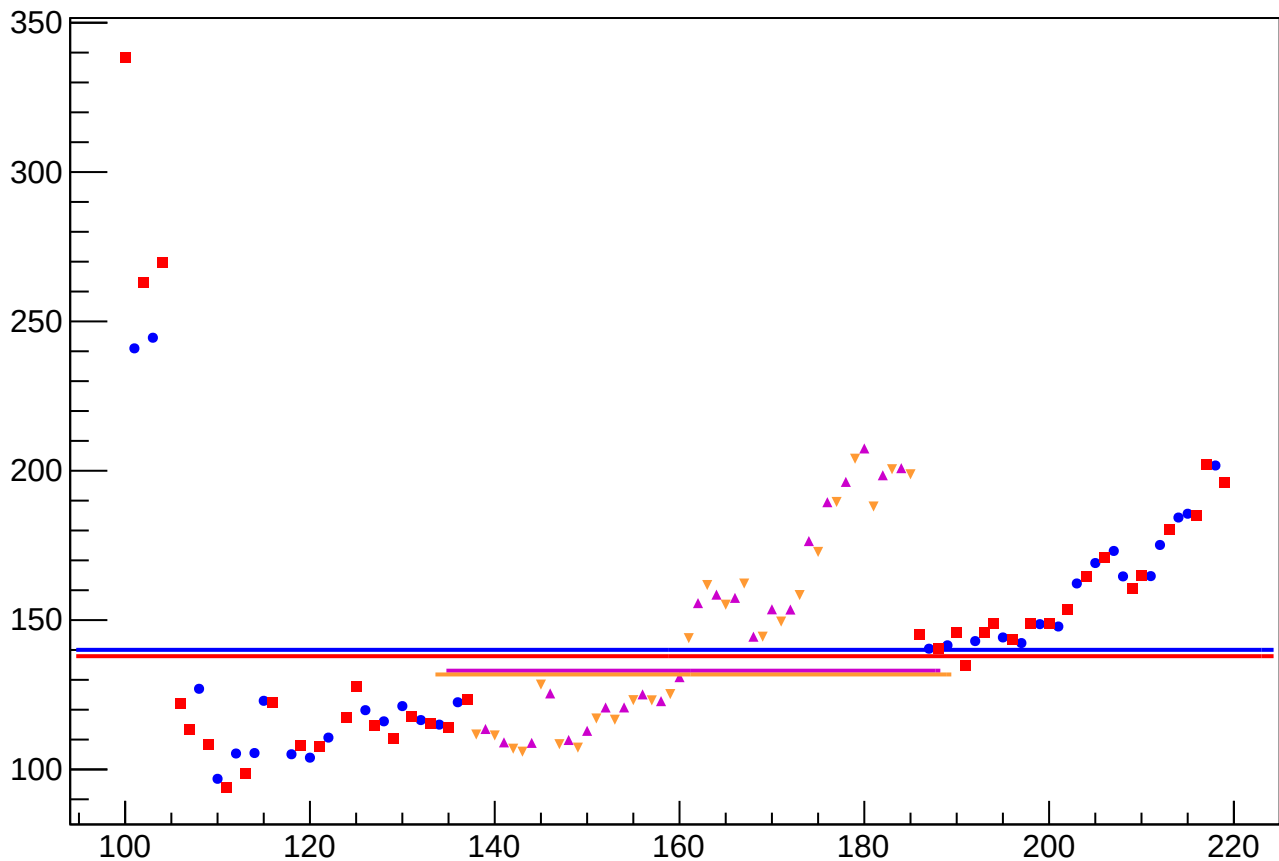
Left In: 5178.213+/-31.969 χ^2/NDF : 18541.3/22

+ sign -223.071+/-22.311 χ^2/NDF : 174767.0/56

All: -281.187+/-15.734 χ^2/NDF : 358306.3/11

- sign -338.687+/-22.192 χ^2/NDF : 183525.8/59

asym_bpm1i02WS_rms vs Slug



Right In: 140.042+/-0.023 χ^2/NDF : 1834750.7/31

Left Out: 131.798+/-0.022 χ^2/NDF : 1544340.3/24

Right Out: 137.919+/-0.022 χ^2/NDF : 2137321.3/36

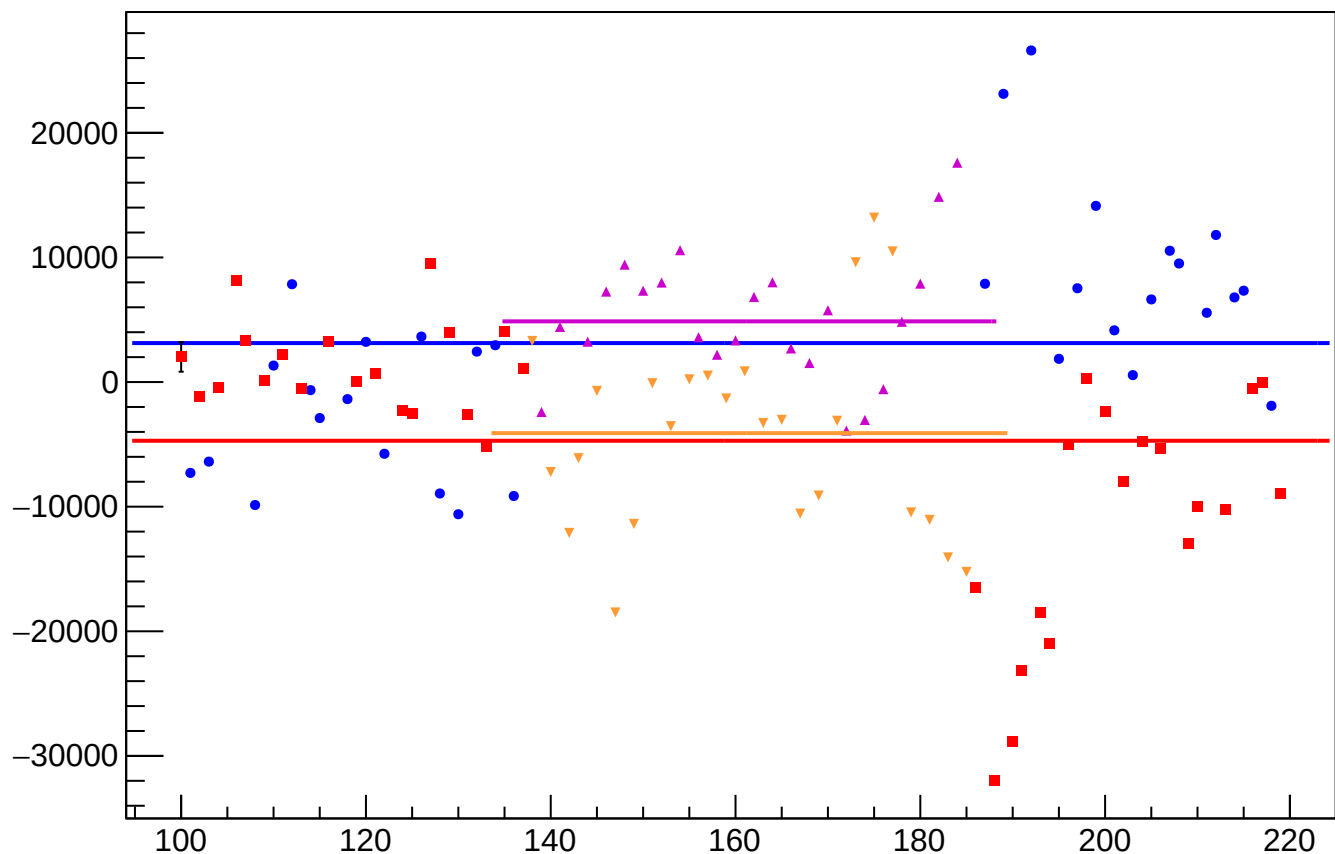
Left In: 133.061+/-0.023 χ^2/NDF : 1418252.2/22

+ sign 135.724+/-0.016 χ^2/NDF : 3447216.9/56

All: 135.651+/-0.011 χ^2/NDF : 7026758.7/116

- sign 135.578+/-0.016 χ^2/NDF : 3579498.8/59

asym_bpm2i01WS_mean vs Slug



Right In: 3127.830+/-29.780 χ^2/NDF : 91078.3/31

Left Out: -4098.897+/-27.771 χ^2/NDF : 66271.3/24

Right Out: -4710.953+/-28.530 χ^2/NDF : 114400.1/36

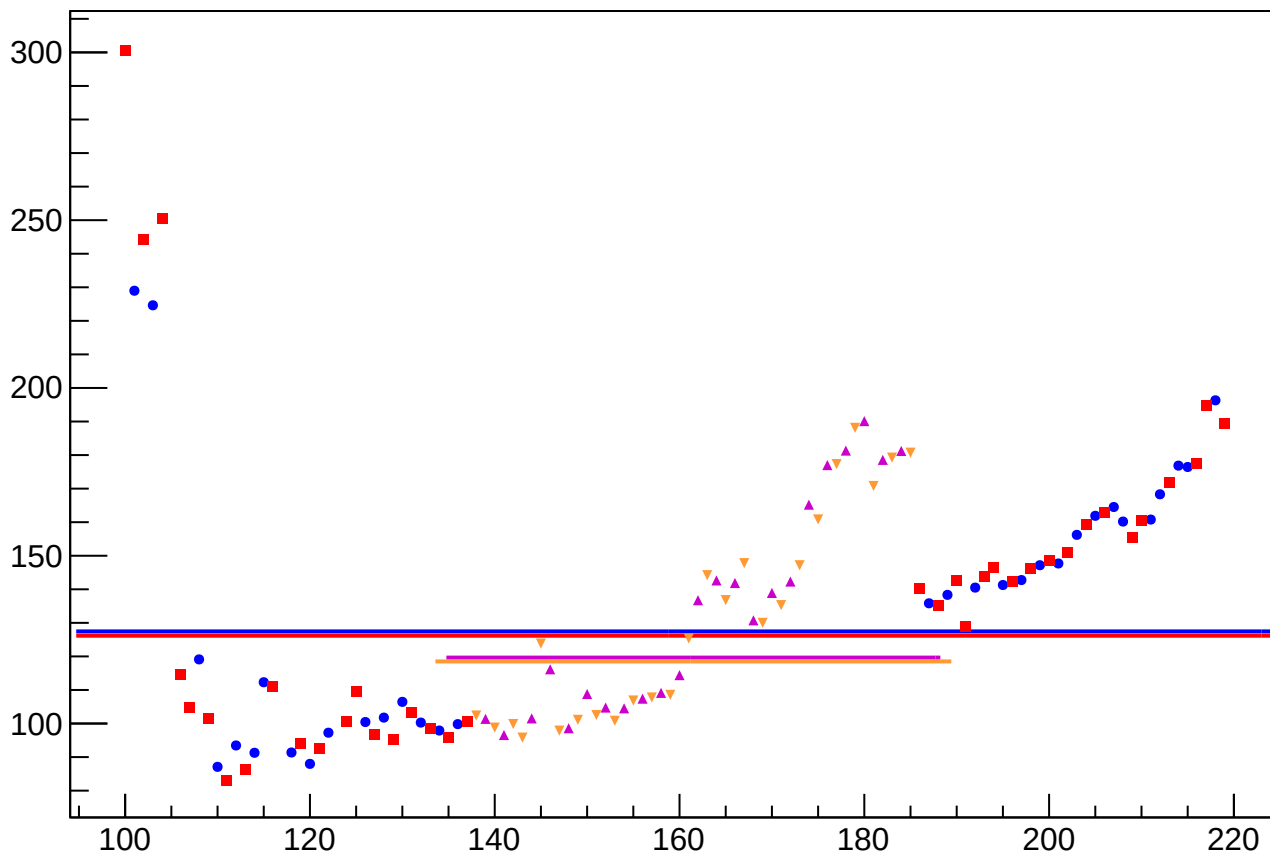
Left In: 4869.740+/-28.809 χ^2/NDF : 21913.6/22

+ sign -737.412+/-20.310 χ^2/NDF : 188847.2/56

All: -351.596+/-14.348 χ^2/NDF : 381718.2/111

- sign 32.747+/-20.271 χ^2/NDF : 192150.7/59

asym_bpm2i01WS_rms vs Slug



Right In: 127.450 $\pm$ 0.021 χ^2 /NDF: 2647626.1/31

Left Out: 118.502 $\pm$ 0.020 χ^2 /NDF:1627138.9/24

Right Out: 126.171 $\pm$ 0.020 χ^2 /NDF: 2940508.4/36

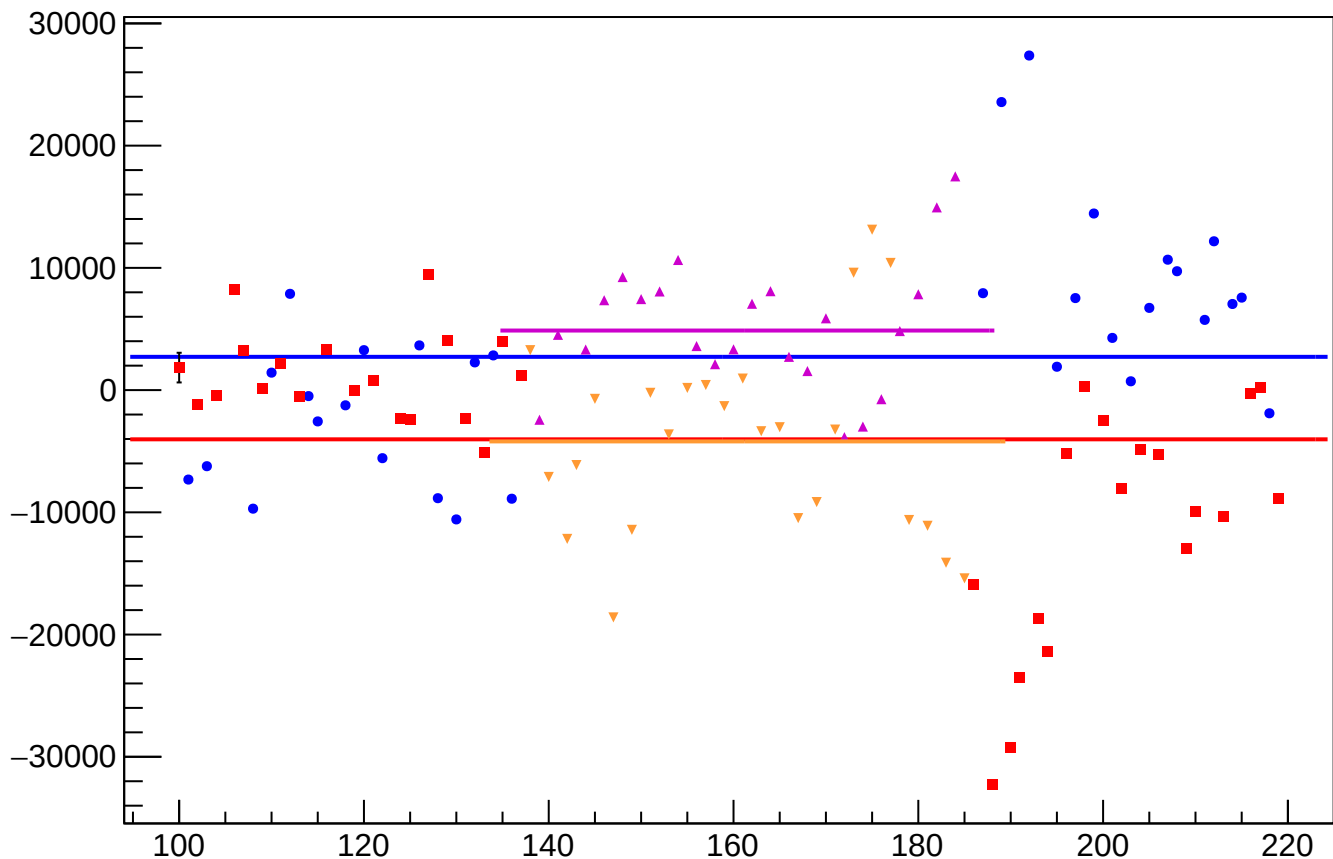
Left In: 119.645 $\pm$ 0.020 χ^2 /NDF:1512380.5/22

+ sign 122.664 $\pm$ 0.014 χ^2 /NDF: 4371351.5/56

All: 122.802 $\pm$ 0.010 χ^2 /NDF: 8876238.3/116

- sign 122.940 $\pm$ 0.014 χ^2 /NDF: 4504702.4/59

asym_bpm2i02WS_mean vs Slug



Right In: 2721.283+/-29.715 χ^2/NDF : 90248.7/31

Left Out: -4197.414+/-27.211 χ^2/NDF : 70415.4/24

Right Out: -4027.401+/-28.468 χ^2/NDF : 107978.9/36

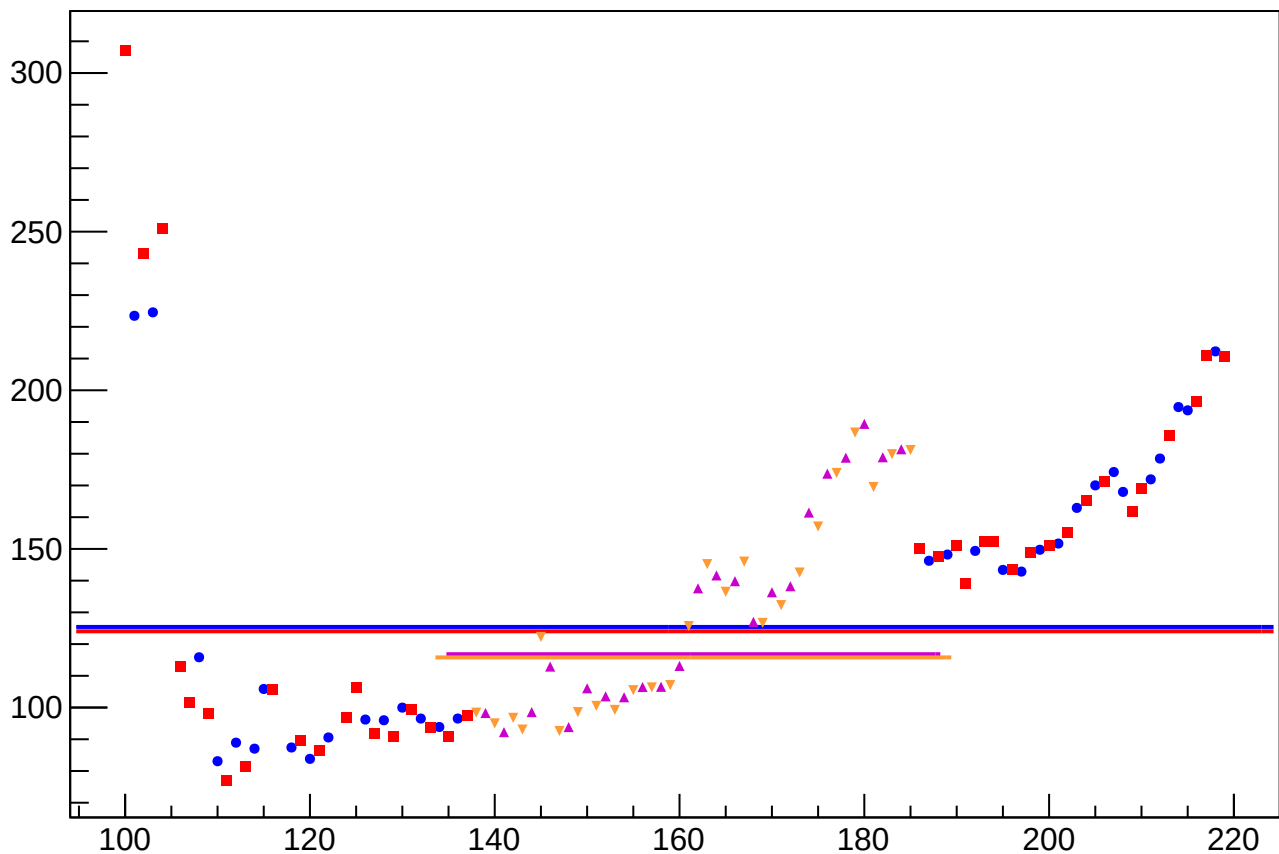
Left In: 4873.124+/-28.200 χ^2/NDF : 22923.8/22

+ sign -1041.852+/-20.068 χ^2/NDF : 190150.5/56

All: -287.218+/-14.178 χ^2/NDF : 373213.4/11

- sign 464.914+/-20.035 χ^2/NDF : 180239.4/59

asym_bpm2i02WS_rms vs Slug



Right In: 125.408 $\pm$ 0.021 χ^2 /NDF: 3558056.9/31

Left Out: 115.798 $\pm$ 0.019 χ^2 /NDF: 1749021.2/24

Right Out: 124.028 $\pm$ 0.020 χ^2 /NDF: 3999399.8/36

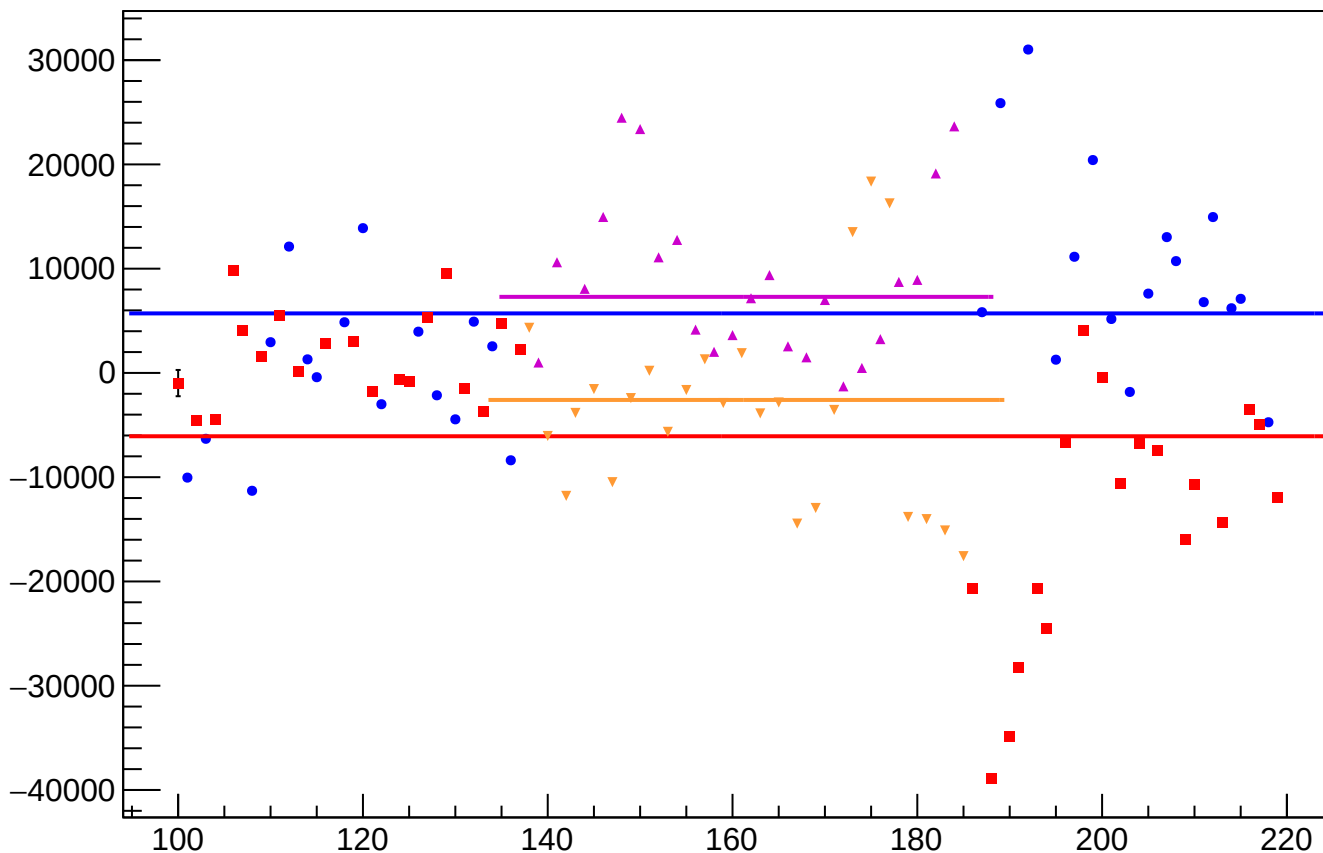
Left In: 116.808 $\pm$ 0.020 χ^2 /NDF: 1617645.9/22

+ sign 120.181 $\pm$ 0.014 χ^2 /NDF: 5420843.1/56

All: 120.283 $\pm$ 0.010 χ^2 /NDF: 11102910.7/11

- sign 120.384 $\pm$ 0.014 χ^2 /NDF: 5681964.7/59

asym_bpm0i01WS_mean vs Slug



Right In: 5709.562+/-38.741 χ^2/NDF : 67603.3/31

Left Out: -2591.379+/-37.643 χ^2/NDF : 47994.7/24

Right Out: -6074.216+/-37.271 χ^2/NDF : 102112.8/36

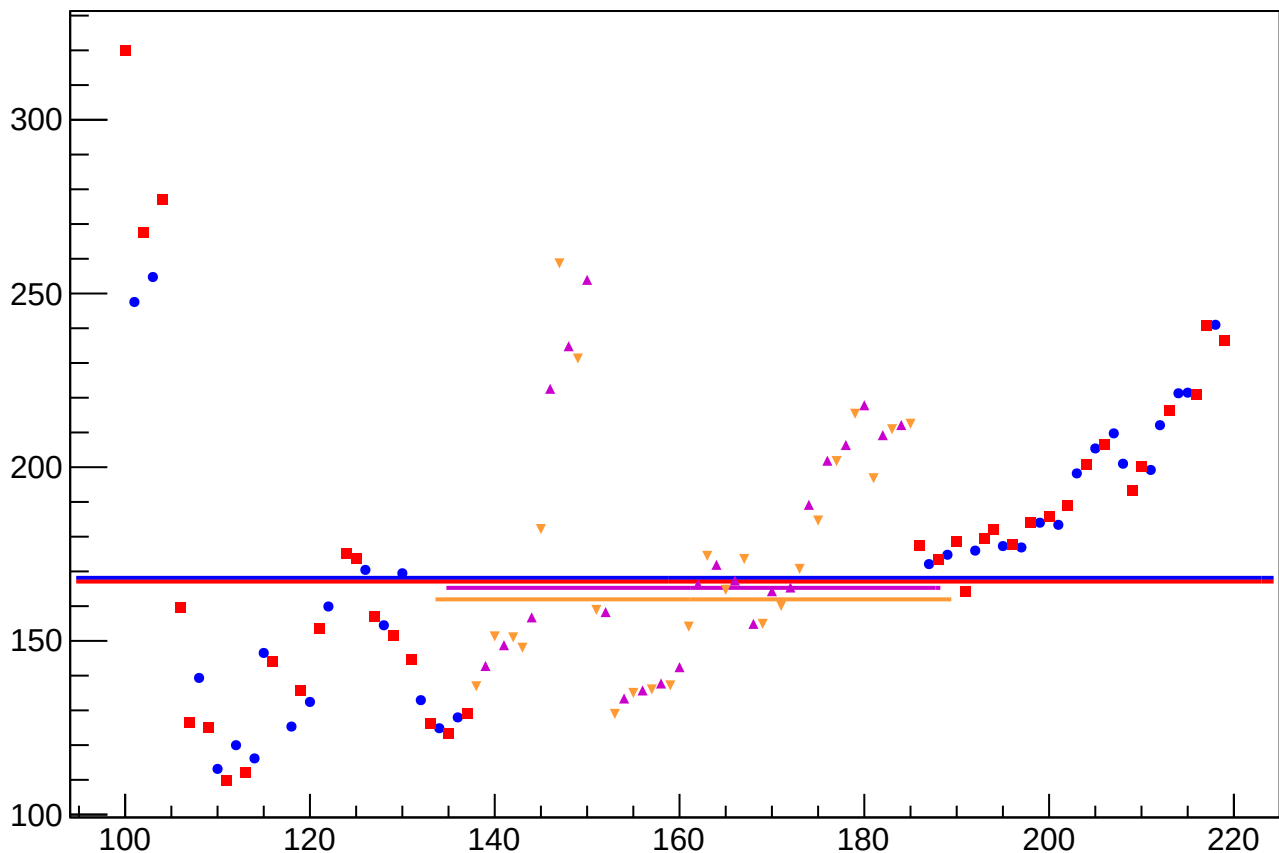
Left In: 7296.193+/-39.576 χ^2/NDF : 24743.4/22

+ sign 1439.818+/-26.998 χ^2/NDF : 139213.0/56

All: 828.135+/-19.138 χ^2/NDF : 327590.8/116

- sign 210.315+/-27.133 χ^2/NDF : 187346.0/59

asym_bpm0i01WS_rms vs Slug



Right In: 168.147 ± 0.027 $\chi^2/\text{NDF}: 1906139.1/31$

Left Out: 161.957 ± 0.027 $\chi^2/\text{NDF}: 1144808.3/24$

Right Out: 167.075 ± 0.026 $\chi^2/\text{NDF}: 2122129.3/36$

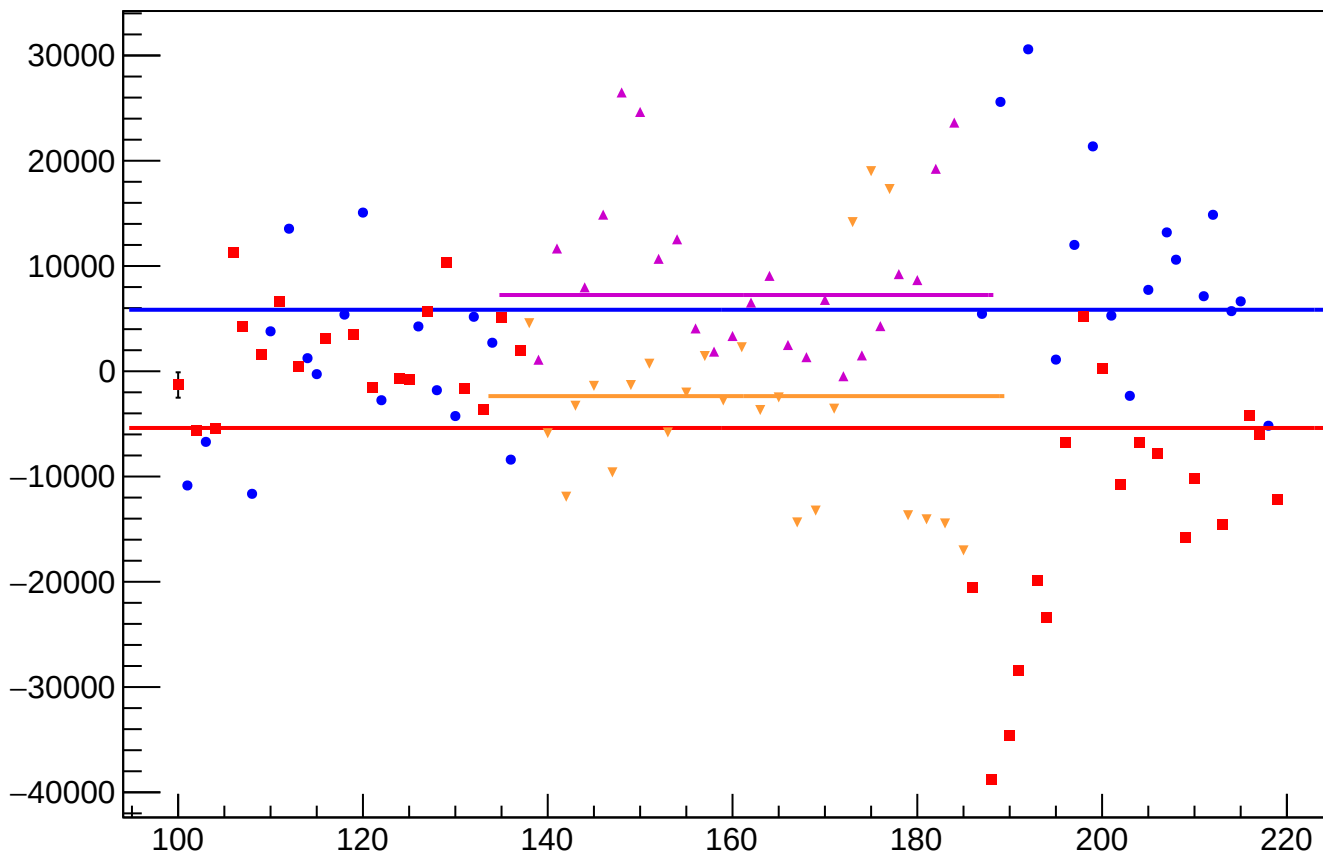
Left In: 165.273 ± 0.028 $\chi^2/\text{NDF}: 1179090.6/22$

+ sign 164.963 ± 0.019 $\chi^2/\text{NDF}: 3077211.0/56$

All: 165.592 ± 0.014 $\chi^2/\text{NDF}: 6382811.7/116$

- sign 166.228 ± 0.019 $\chi^2/\text{NDF}: 3303417.8/59$

asym_bpm0i01aWS_mean vs Slug



Right In: 5842.817+/-33.076 χ^2/NDF : 93984.1/31

Left Out: -2360.753+/-33.680 χ^2/NDF : 58566.4/24

Right Out: -5386.988+/-31.655 χ^2/NDF : 142463.5/36

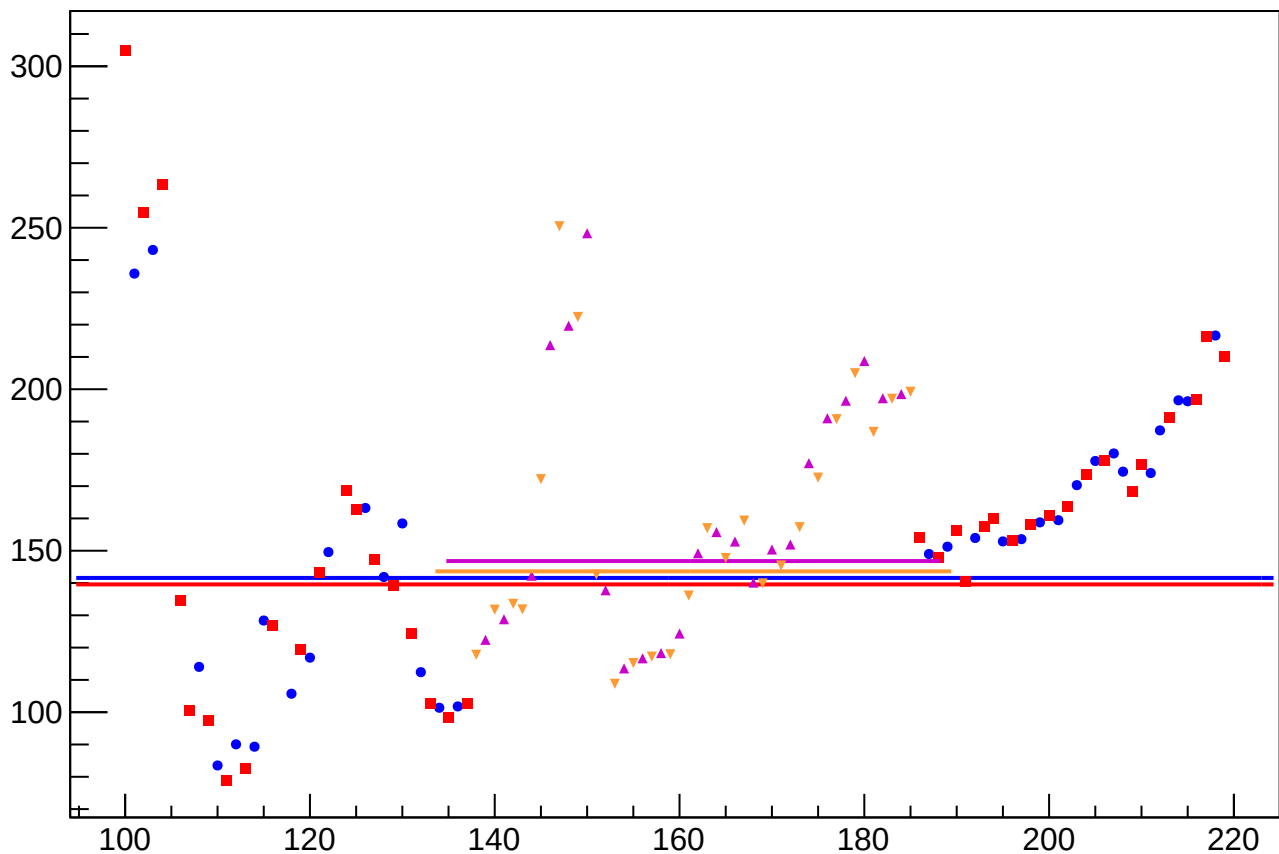
Left In: 7244.763+/-35.507 χ^2/NDF : 30447.9/22

+ sign 1815.277+/-23.599 χ^2/NDF : 182751.3/56

All: 1012.049+/-16.697 χ^2/NDF : 428497.0/11

- sign 206.802+/-23.629 χ^2/NDF : 243425.8/59

asym_bpm0i01aWS_rms vs Slug



Right In: 141.576+/-0.023 χ^2/NDF : 2763464.1/31

Left Out: 143.622+/-0.024 χ^2/NDF :1662825.4/24

Right Out: 139.569+/-0.022 χ^2/NDF : 3218417.0/36

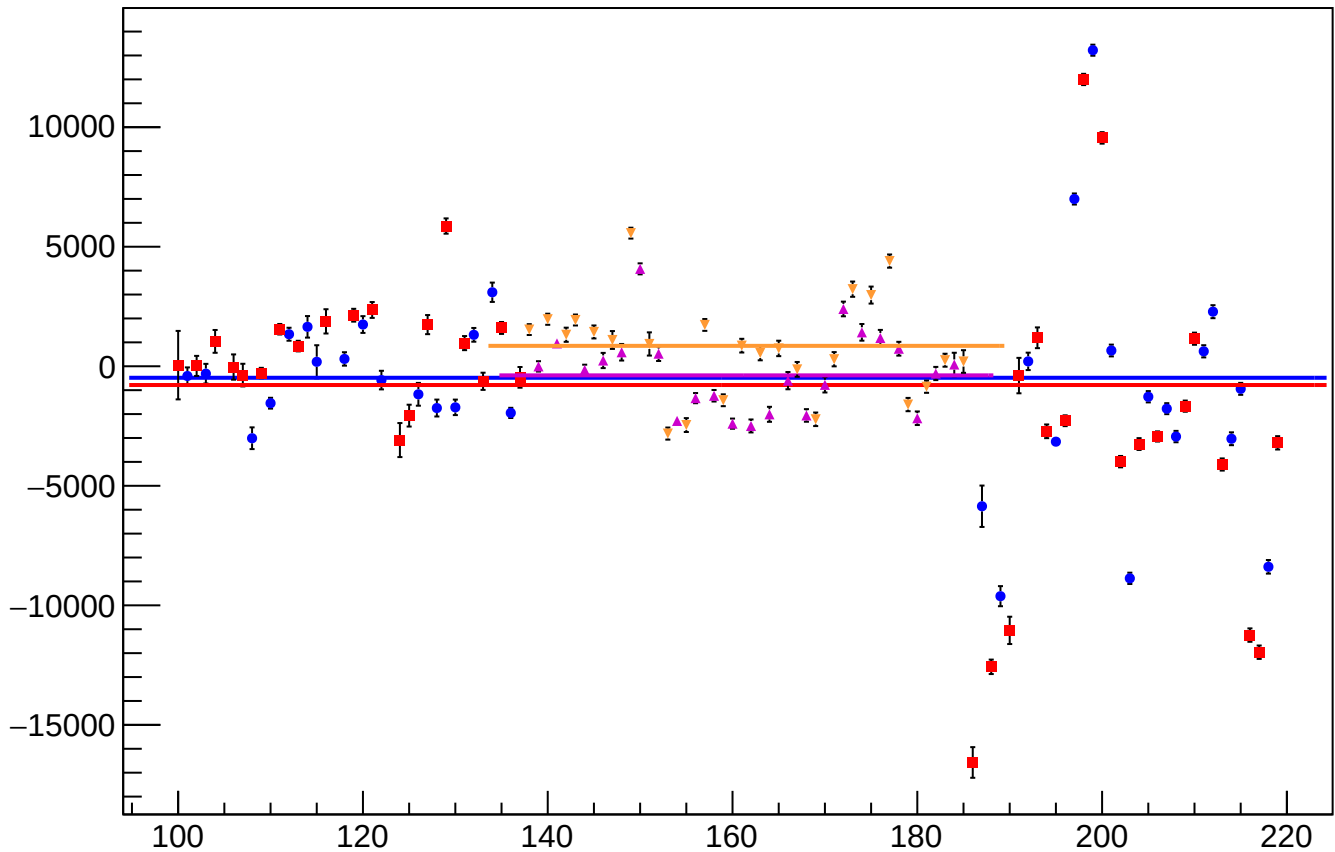
Left In: 146.793+/-0.025 χ^2/NDF :1694524.1/22

+ sign 142.580+/-0.017 χ^2/NDF : 4430049.1/56

All: 142.674+/-0.012 χ^2/NDF : 9389188.4/116

- sign 142.768+/-0.017 χ^2/NDF : 4959076.2/59

asym_bpm0l01WS_mean vs Slug



Right In: -481.393 ± 51.119 χ^2/NDF : 8014.3/31

Left Out: 853.916 ± 56.237 χ^2/NDF : 1443.8/24

Right Out: -784.528 ± 49.658 χ^2/NDF : 12071.3/36

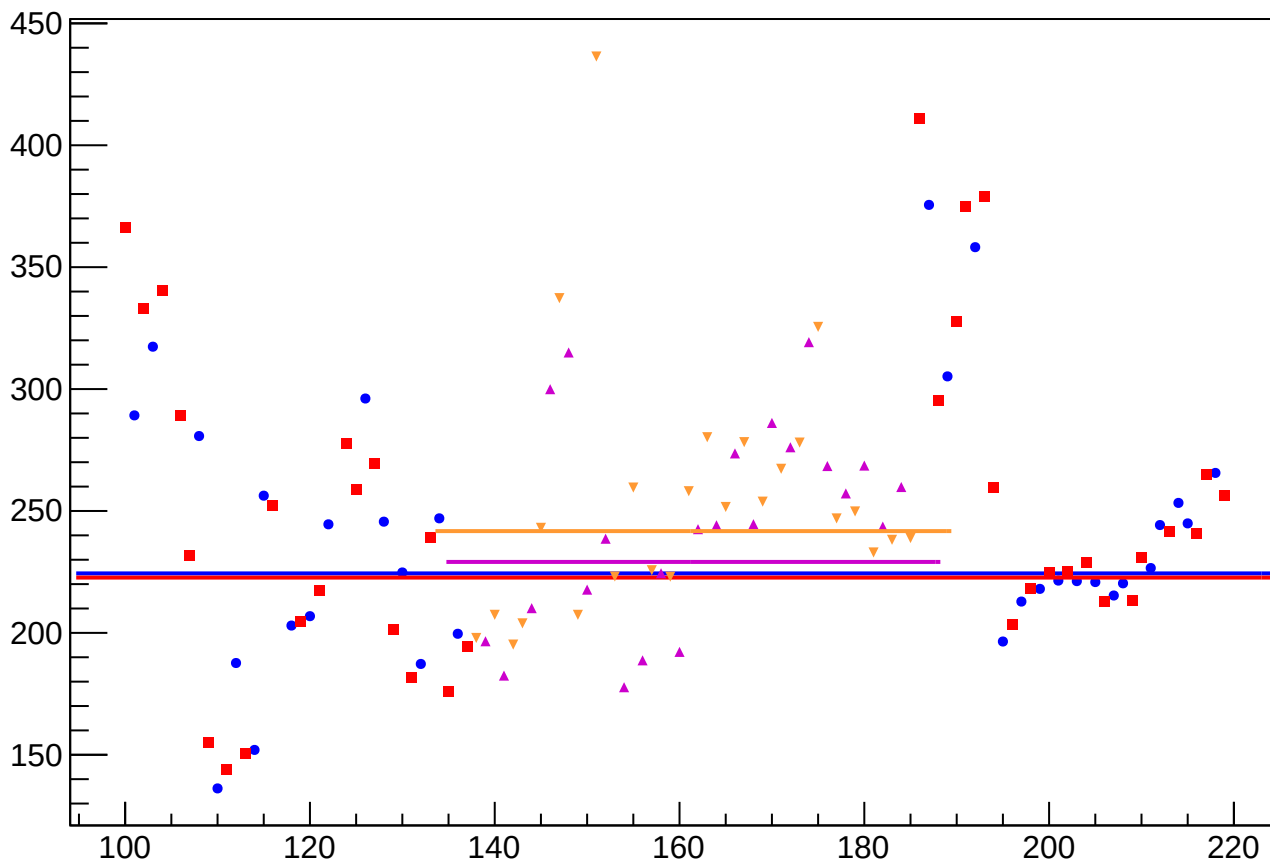
Left In: -380.865 ± 55.135 χ^2/NDF : 982.4/22

+ sign 122.753 ± 37.827 χ^2/NDF : 9766.9/56

All: -249.514 ± 26.413 χ^2/NDF : 23039.2/116

- sign -603.736 ± 36.899 χ^2/NDF : 13083.3/59

asym_bpm0l01WS_rms vs Slug



Right In: 224.393 $\pm$ 0.036 χ^2 /NDF: 1276958.3/31

Left Out: 241.746 $\pm$ 0.040 χ^2 /NDF:986390.8/24

Right Out: 222.684 $\pm$ 0.035 χ^2 /NDF: 2022289.9/36

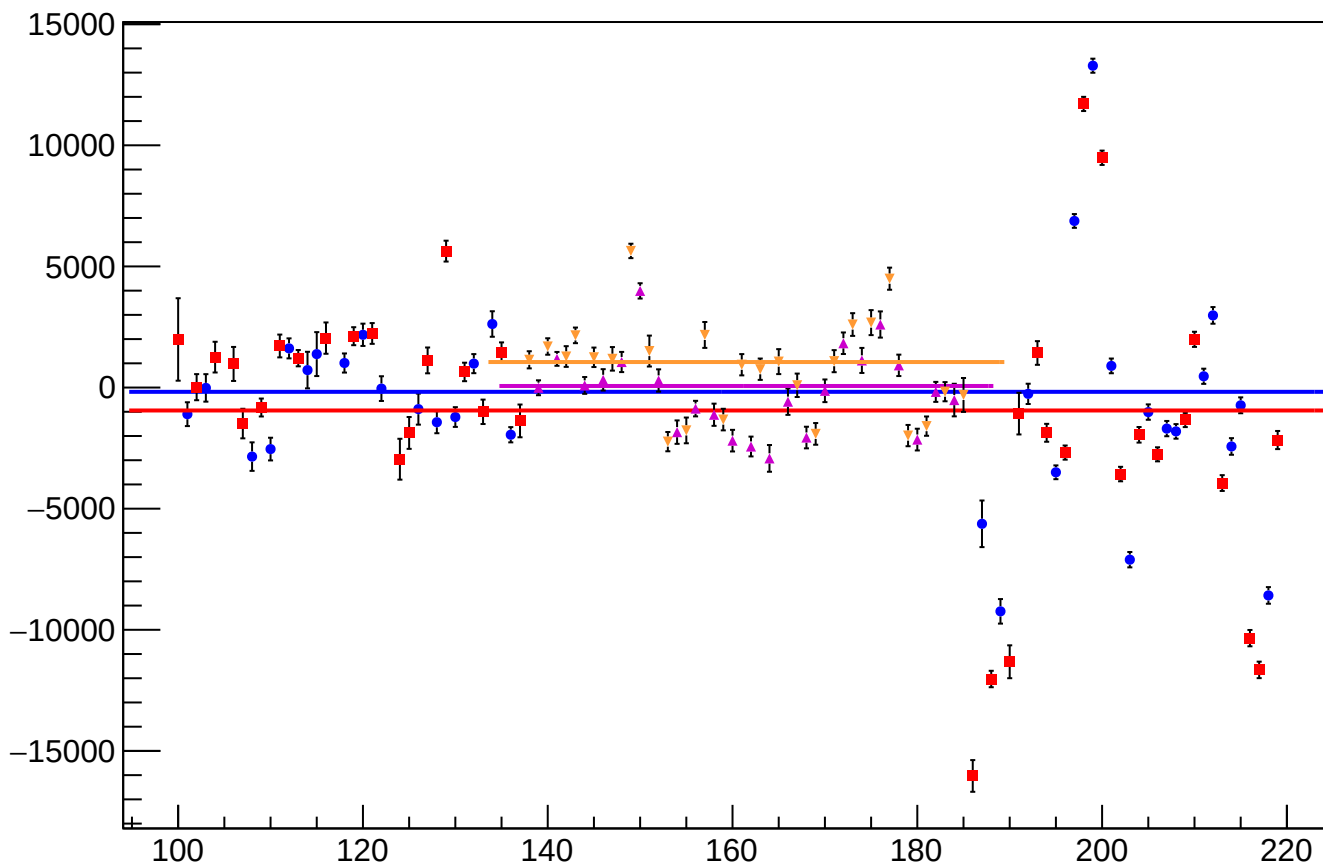
Left In: 229.103 $\pm$ 0.039 χ^2 /NDF:1068960.6/22

+ sign 232.244 $\pm$ 0.027 χ^2 /NDF: 2367626.1/56

All: 228.819 $\pm$ 0.019 χ^2 /NDF: 5505849.7/116

- sign 225.559 $\pm$ 0.026 χ^2 /NDF: 3106218.2/59

asym_bpm0l02WS_mean vs Slug



Right In: -176.527 ± 68.060 $\chi^2/\text{NDF}: 4727.9/31$

Left Out: 1053.354 ± 85.895 $\chi^2/\text{NDF}: 614.6/24$

Right Out: -946.621 ± 66.286 $\chi^2/\text{NDF}: 7635.2/36$

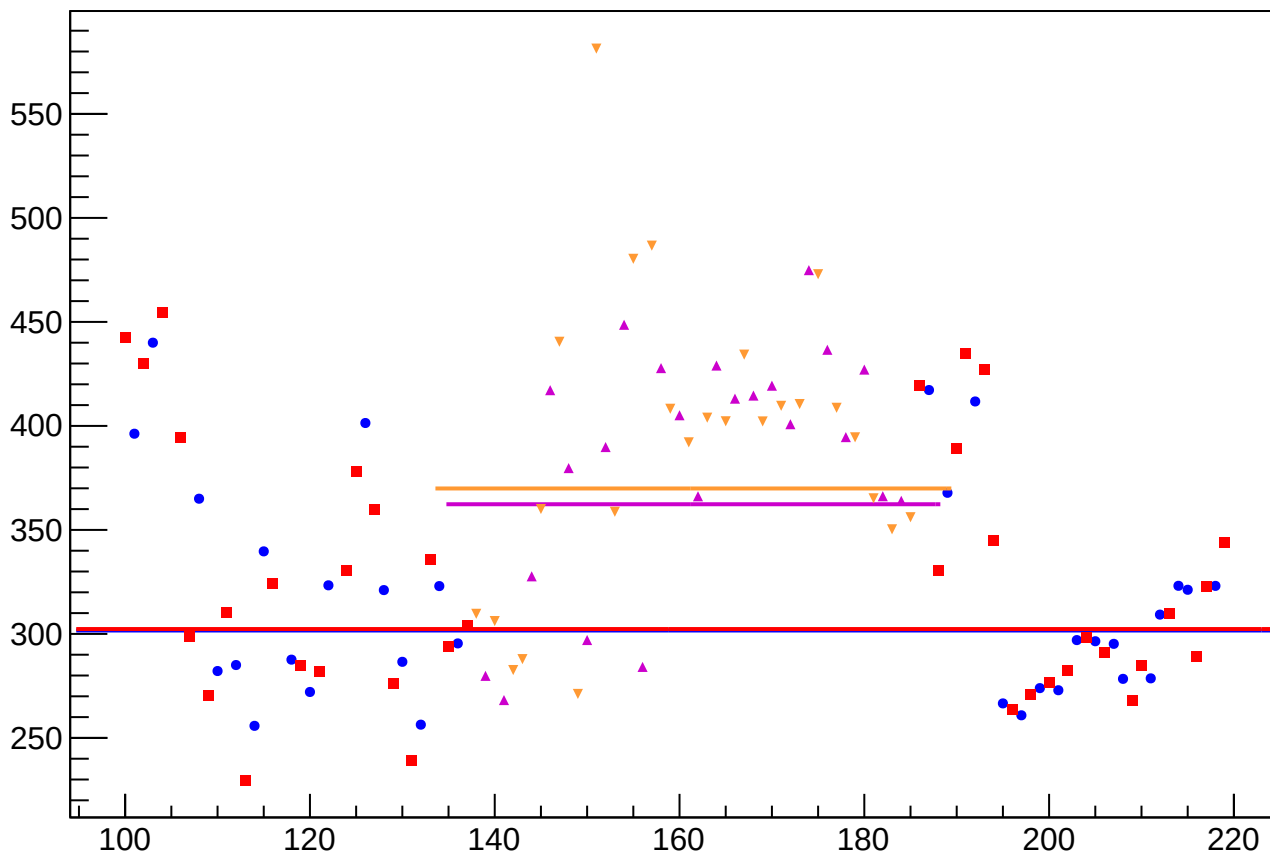
Left In: 64.646 ± 86.660 $\chi^2/\text{NDF}: 394.4/22$

+ sign 297.822 ± 53.344 $\chi^2/\text{NDF}: 5468.4/56$

All: -143.470 ± 37.472 $\chi^2/\text{NDF}: 13719.1/116$

- sign -573.349 ± 52.650 $\chi^2/\text{NDF}: 8115.6/59$

asym_bpm0l02WS_rms vs Slug



Right In: 301.647+/-0.048 χ^2/NDF : 690747.0/31

Left Out: 369.923+/-0.061 χ^2/NDF :1230300.9/24

Right Out: 302.340+/-0.047 χ^2/NDF : 990558.4/36

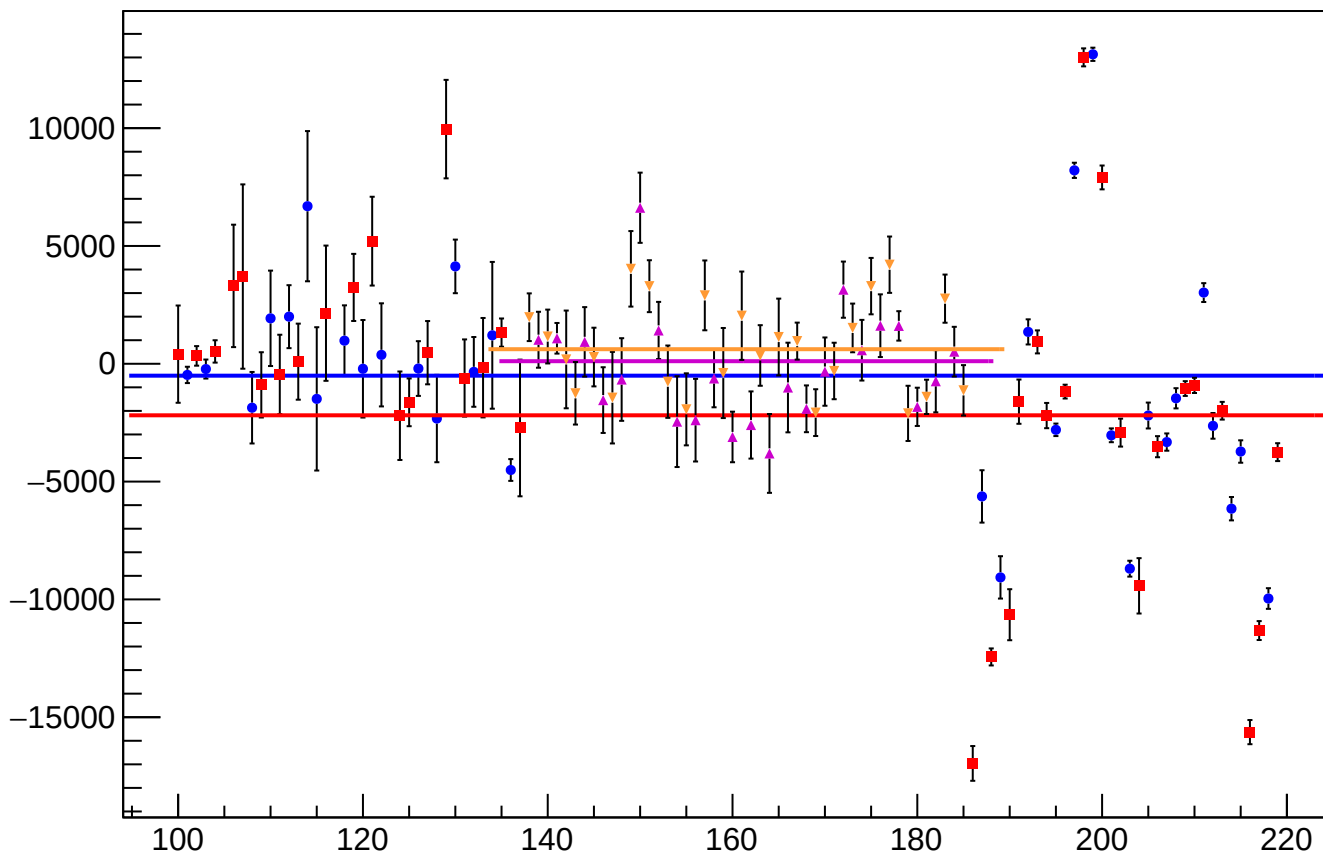
Left In: 362.341+/-0.061 χ^2/NDF :1053395.6/22

+ sign 327.980+/-0.038 χ^2/NDF : 2697339.4/56

All: 326.211+/-0.026 χ^2/NDF : 5350520.7/116

- sign 324.487+/-0.037 χ^2/NDF : 2648836.5/59

asym_bpm0l03WS_mean vs Slug



Right In: -505.141 ± 89.146 $\chi^2/\text{NDF}: 4859.1/31$

Left Out: 618.538 ± 238.150 $\chi^2/\text{NDF}: 65.7/24$

Right Out: -2186.943 ± 94.357 $\chi^2/\text{NDF}: 4786.9/36$

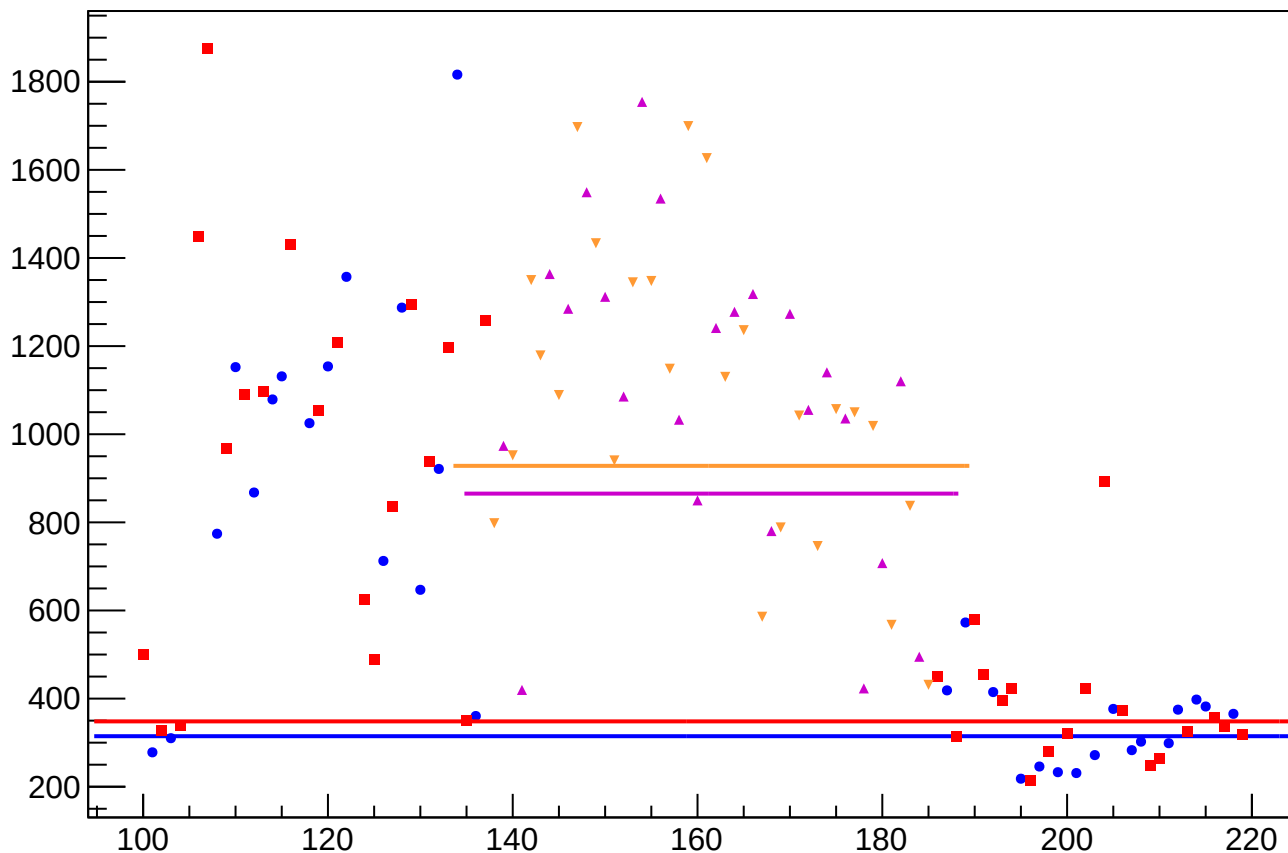
Left In: 109.519 ± 237.827 $\chi^2/\text{NDF}: 71.7/22$

+ sign -367.041 ± 83.488 $\chi^2/\text{NDF}: 4944.3/56$

All: -1083.712 ± 60.471 $\chi^2/\text{NDF}: 10038.5/11$

- sign -1874.625 ± 87.706 $\chi^2/\text{NDF}: 4939.1/59$

asym_bpm0l03WS_rms vs Slug



Right In: 314.675+/-0.063 χ^2/NDF : 5322760.6/31

Left Out: 928.240+/-0.168 χ^2/NDF : 3294716.2/24

Right Out: 348.313+/-0.067 χ^2/NDF : 6177072.5/36

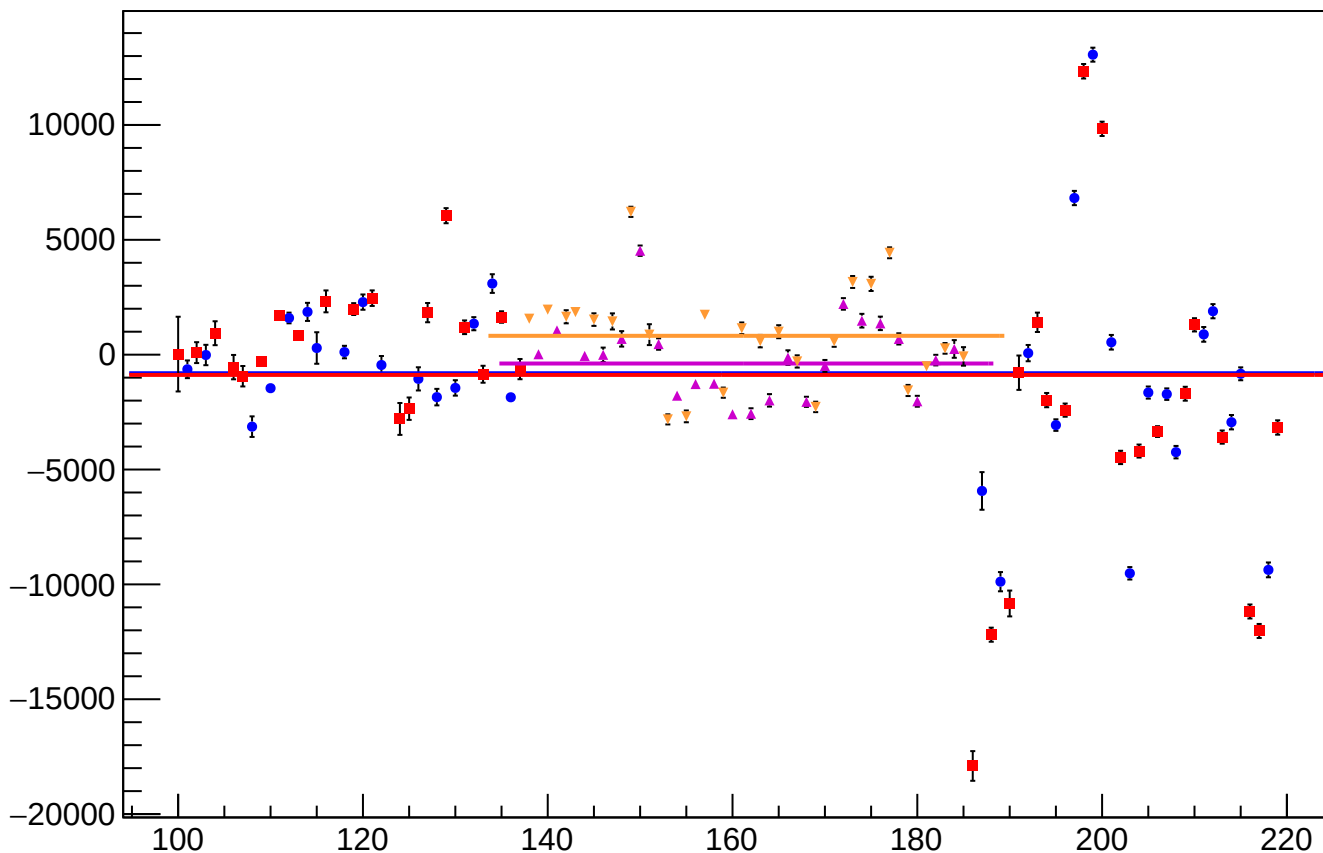
Left In: 865.223+/-0.168 χ^2/NDF : 4792678.4/22

+ sign 390.082+/-0.059 χ^2/NDF : 20261391.5/56

All: 403.645+/-0.043 χ^2/NDF : 39505174.3/11

- sign 418.613+/-0.062 χ^2/NDF : 19132749.7/59

asym_bpm0l04WS_mean vs Slug



Right In: -808.521 ± 55.141 $\chi^2/\text{NDF}: 5840.9/31$

Left Out: 820.821 ± 49.996 $\chi^2/\text{NDF}: 1990.8/24$

Right Out: -880.683 ± 52.477 $\chi^2/\text{NDF}: 9659.9/36$

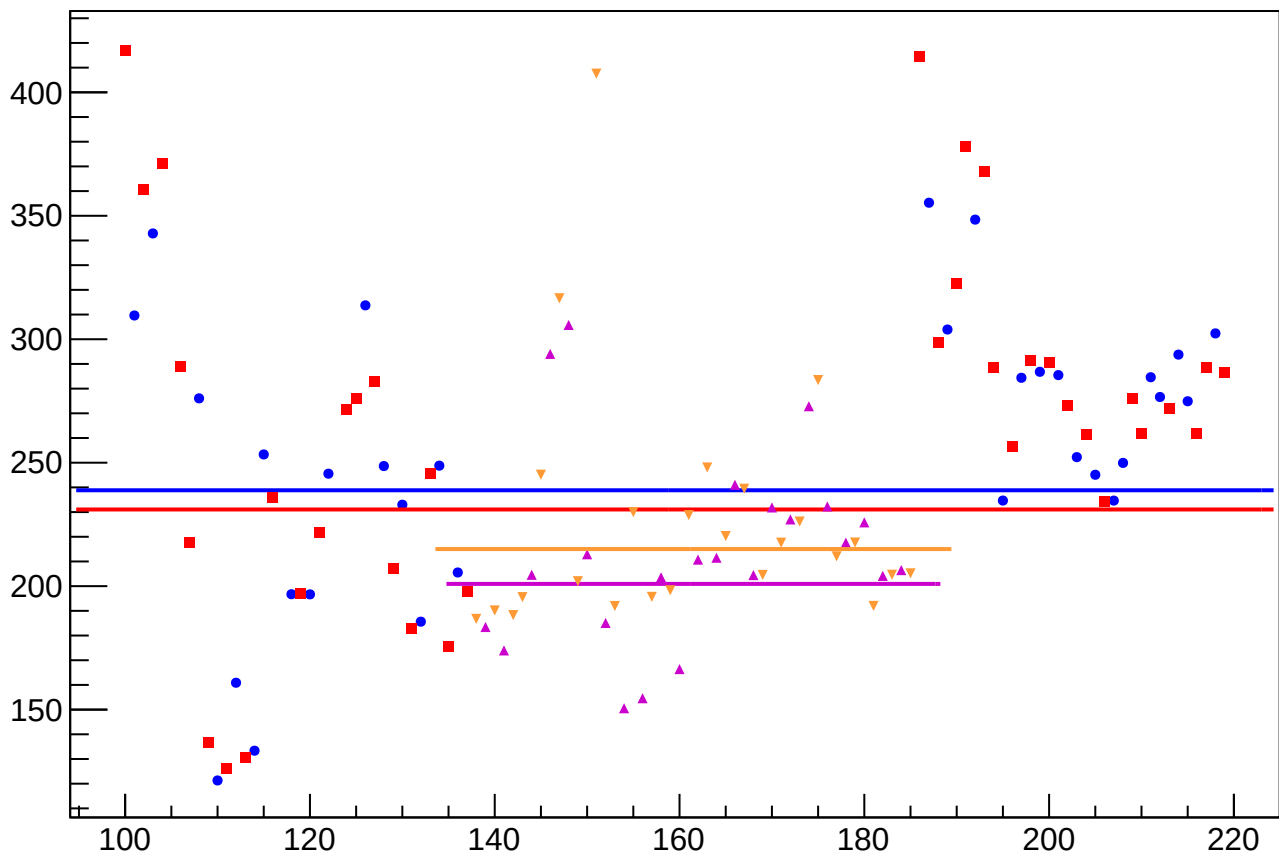
Left In: -385.002 ± 48.455 $\chi^2/\text{NDF}: 1253.3/22$

+ sign 85.691 ± 37.038 $\chi^2/\text{NDF}: 8310.8/56$

All: -277.547 ± 25.666 $\chi^2/\text{NDF}: 19457.2/116$

- sign -613.119 ± 35.600 $\chi^2/\text{NDF}: 10961.3/59$

asym_bpm0l04WS_rms vs Slug



Right In: 238.832 $\pm$ 0.039 χ^2 /NDF: 2144671.7/31

Left Out: 215.027 $\pm$ 0.035 χ^2 /NDF: 897791.6/24

Right Out: 231.056 $\pm$ 0.037 χ^2 /NDF: 3395371.8/36

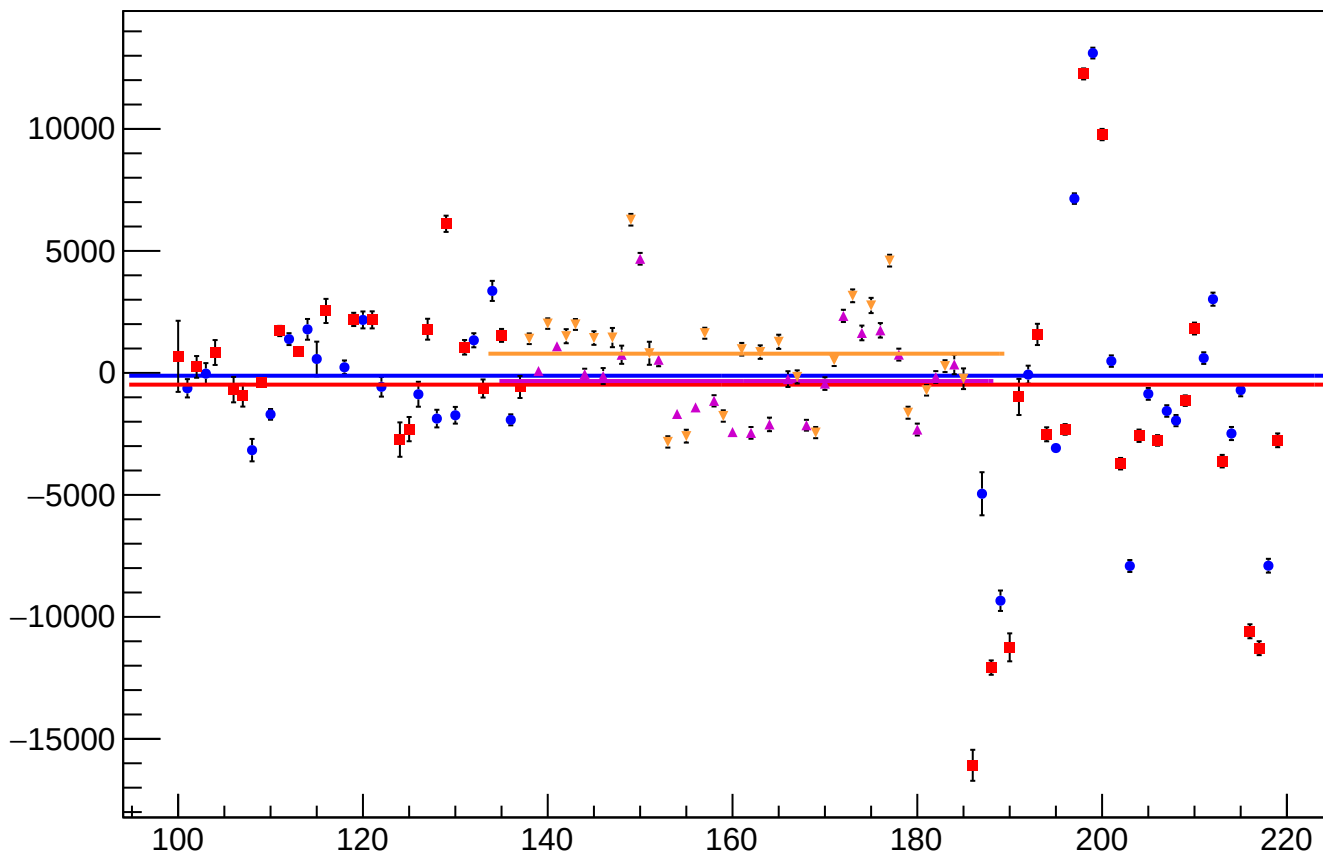
Left In: 200.917 $\pm$ 0.034 χ^2 /NDF: 1105842.5/22

+ sign 225.767 $\pm$ 0.026 χ^2 /NDF: 3247042.2/56

All: 220.060 $\pm$ 0.018 χ^2 /NDF: 8195722.5/116

- sign 214.787 $\pm$ 0.025 χ^2 /NDF: 4857315.8/59

asym_bpm0l05WS_mean vs Slug



Right In: -115.319 ± 50.722 $\chi^2/\text{NDF}: 7940.4/31$

Left Out: 788.110 ± 51.424 $\chi^2/\text{NDF}: 1890.2/24$

Right Out: -480.881 ± 49.133 $\chi^2/\text{NDF}: 12017.1/36$

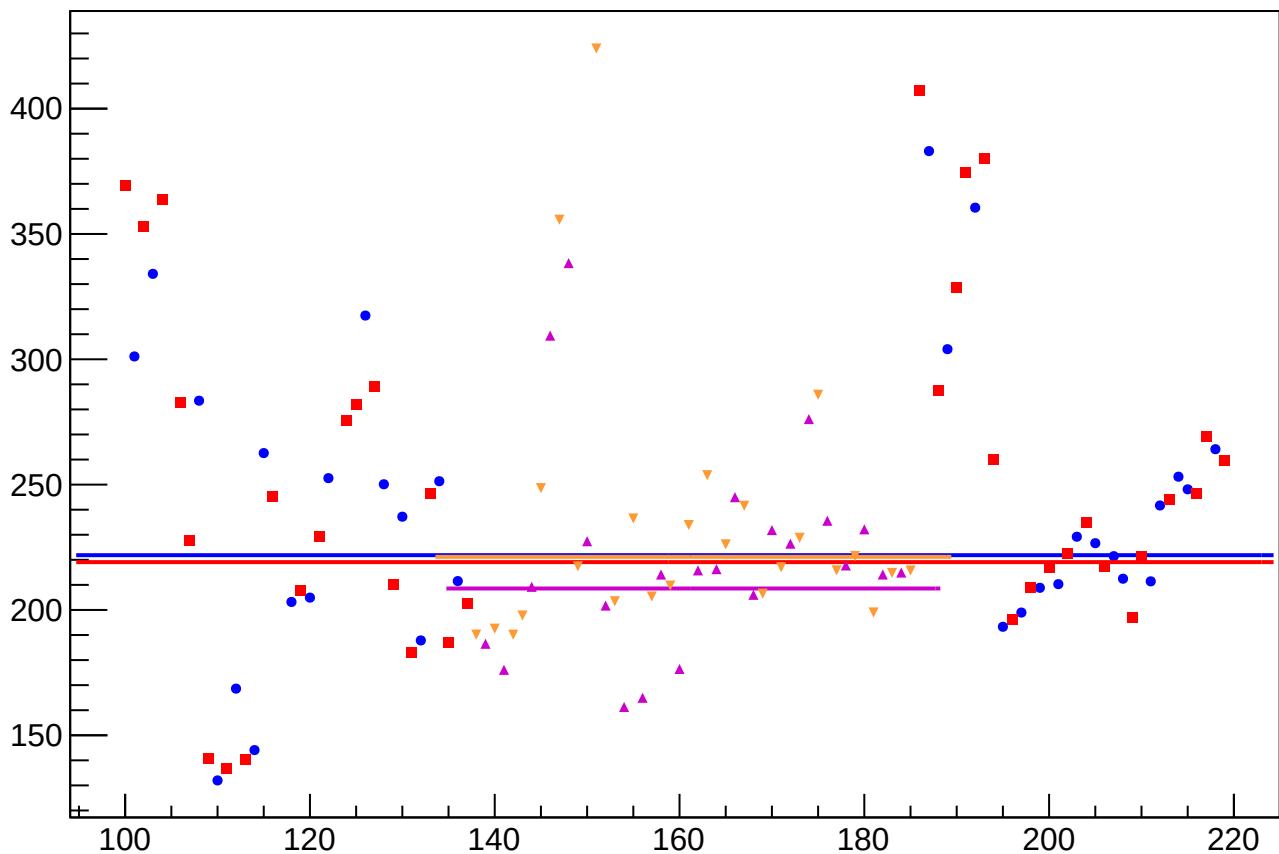
Left In: -333.303 ± 50.194 $\chi^2/\text{NDF}: 1215.2/22$

+ sign 330.181 ± 36.112 $\chi^2/\text{NDF}: 9987.1/56$

All: -49.615 ± 25.174 $\chi^2/\text{NDF}: 23439.1/116$

- sign -408.669 ± 35.112 $\chi^2/\text{NDF}: 13236.8/59$

asym_bpm0l05WS_rms vs Slug



Right In: 221.849 $\pm$ 0.036 χ^2 /NDF: 1533732.8/31

Left Out: 221.185 $\pm$ 0.036 χ^2 /NDF:939520.0/24

Right Out: 219.080 $\pm$ 0.035 χ^2 /NDF: 2438997.4/36

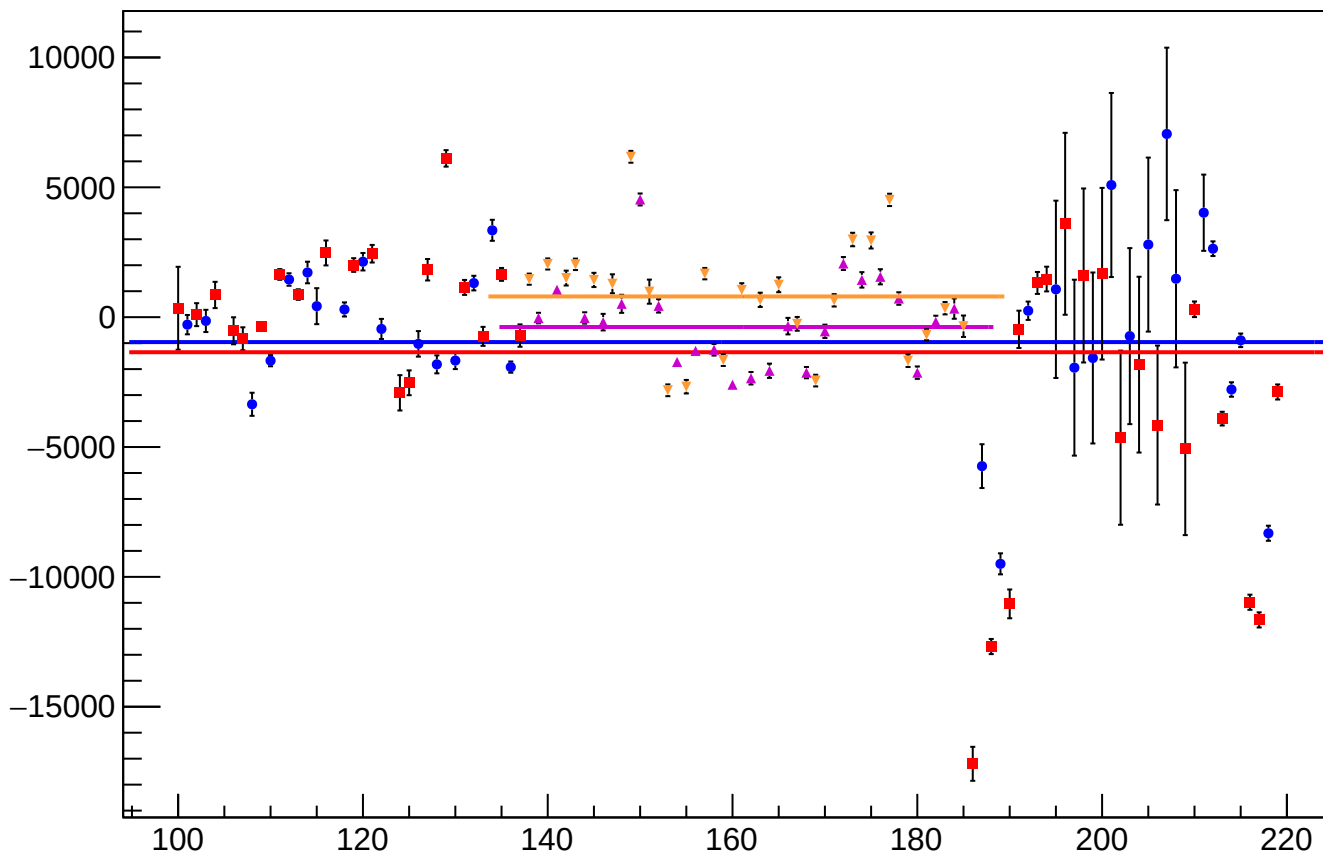
Left In: 208.556 $\pm$ 0.035 χ^2 /NDF:1035638.0/22

+ sign 221.522 $\pm$ 0.026 χ^2 /NDF: 2473421.9/56

All: 217.620 $\pm$ 0.018 χ^2 /NDF: 6038388.2/116

- sign 213.930 $\pm$ 0.025 χ^2 /NDF: 3519532.7/59

asym_bpm0l06WS_mean vs Slug



Right In: -959.474 ± 66.821 χ^2/NDF : 1865.8/31

Left Out: 797.475 ± 50.495 χ^2/NDF : 1960.8/24

Right Out: -1349.854 ± 60.133 χ^2/NDF : 6575.0/36

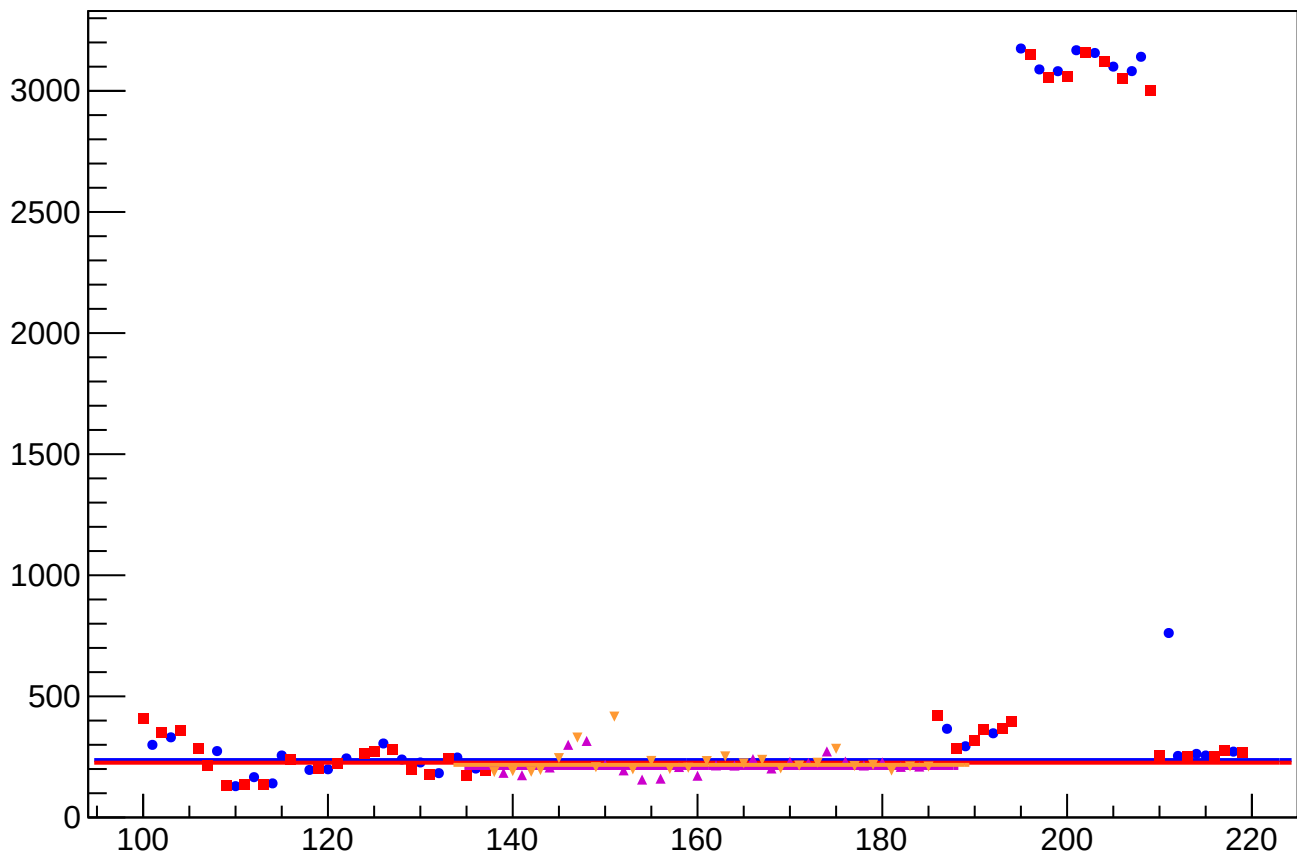
Left In: -379.578 ± 49.183 χ^2/NDF : 1201.2/22

+ sign 158.851 ± 40.286 χ^2/NDF : 4266.6/56

All: -331.012 ± 27.670 χ^2/NDF : 12478.8/116

- sign -768.491 ± 38.071 χ^2/NDF : 7932.2/59

asym_bpm0l06WS_rms vs Slug



Right In: 236.916 $\pm$ 0.047 χ^2 /NDF: 13409722.0/31

Left Out: 217.224 $\pm$ 0.036 χ^2 /NDF: 910445.0/24

Right Out: 226.056 $\pm$ 0.043 χ^2 /NDF: 13280464.8/36

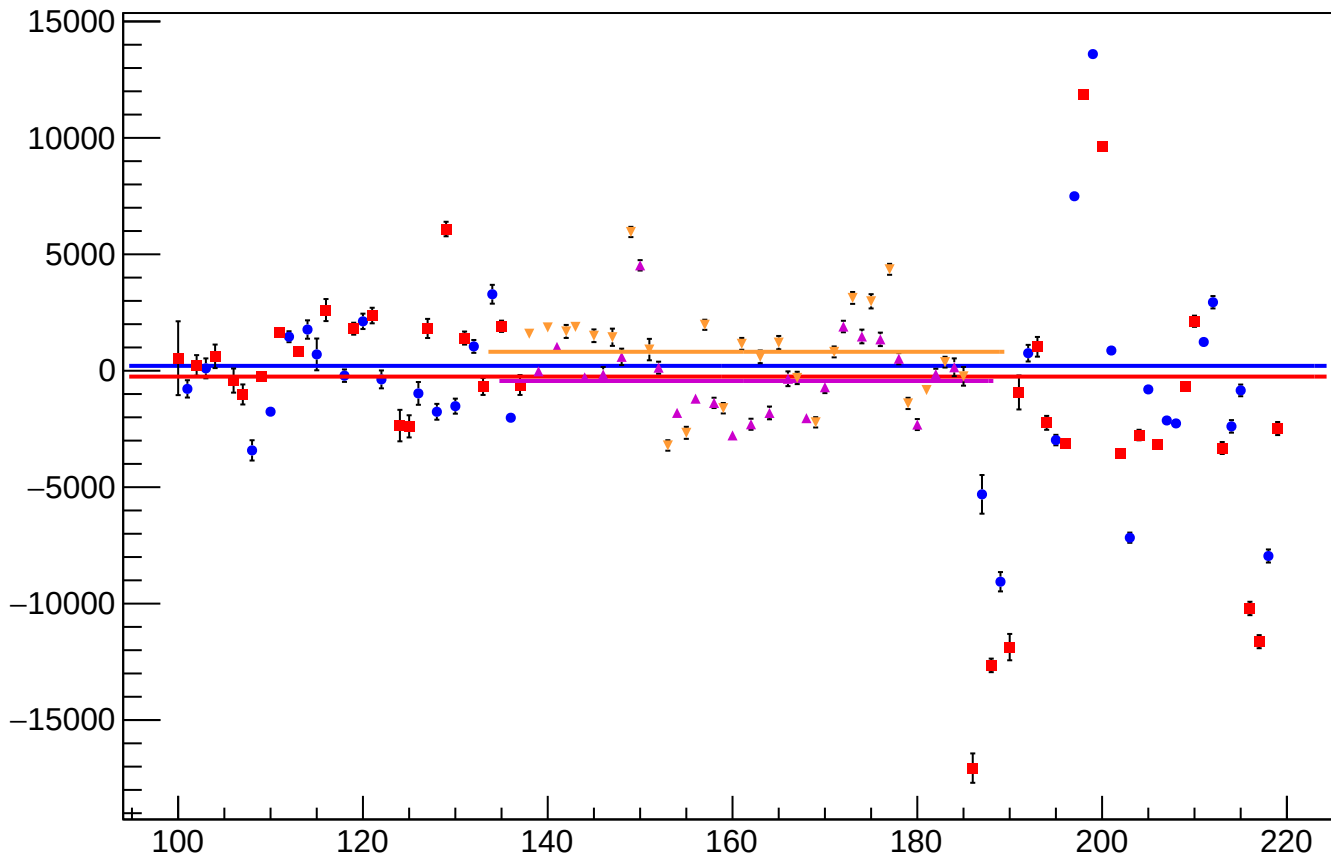
Left In: 204.308 $\pm$ 0.035 χ^2 /NDF: 1015049.0/22

+ sign 224.382 $\pm$ 0.028 χ^2 /NDF: 14430721.9/56

All: 218.383 $\pm$ 0.020 χ^2 /NDF: 28966936.1/11

- sign 213.025 $\pm$ 0.027 χ^2 /NDF: 14452253.3/59

asym_bpm0l07WS_mean vs Slug



Right In: 209.822 $\pm$ 47.498 χ^2 /NDF: 10223.6/31

Left Out: 814.275 $\pm$ 49.760 χ^2 /NDF:2000.4/24

Right Out: -251.206 $\pm$ 46.087 χ^2 /NDF: 14037.6/36

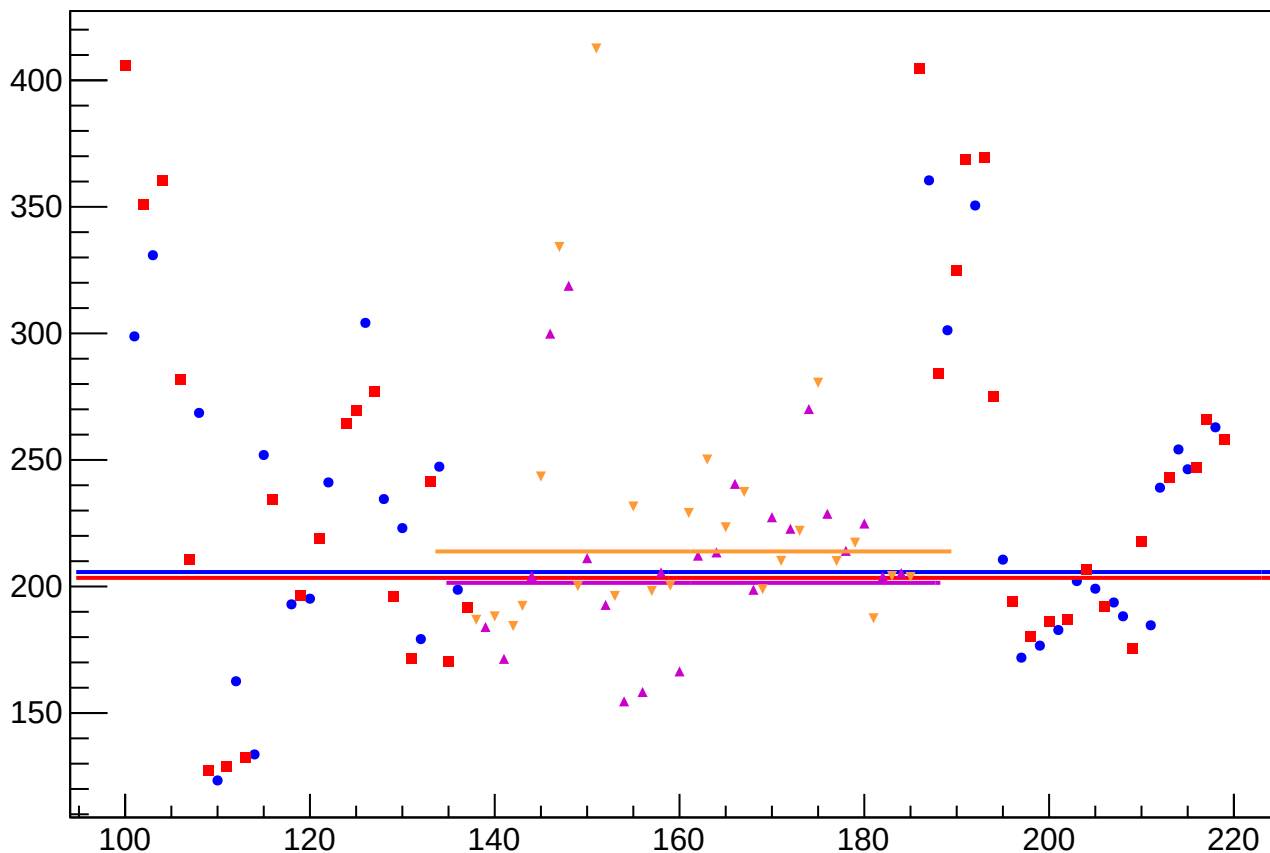
Left In: -439.674 $\pm$ 48.535 χ^2 /NDF:1235.0/22

+ sign 497.999 $\pm$ 34.358 χ^2 /NDF: 12301.2/56

All: 67.119 $\pm$ 23.956 χ^2 /NDF: 27887.8/116

- sign -340.566 $\pm$ 33.420 χ^2 /NDF: 15280.5/59

asym_bpm0l07WS_rms vs Slug



Right In: 205.705 $\pm$ 0.034 χ^2 /NDF: 1884175.9/31

Left Out: 213.848 $\pm$ 0.035 χ^2 /NDF:963582.3/24

Right Out: 203.407 $\pm$ 0.033 χ^2 /NDF: 2978852.4/36

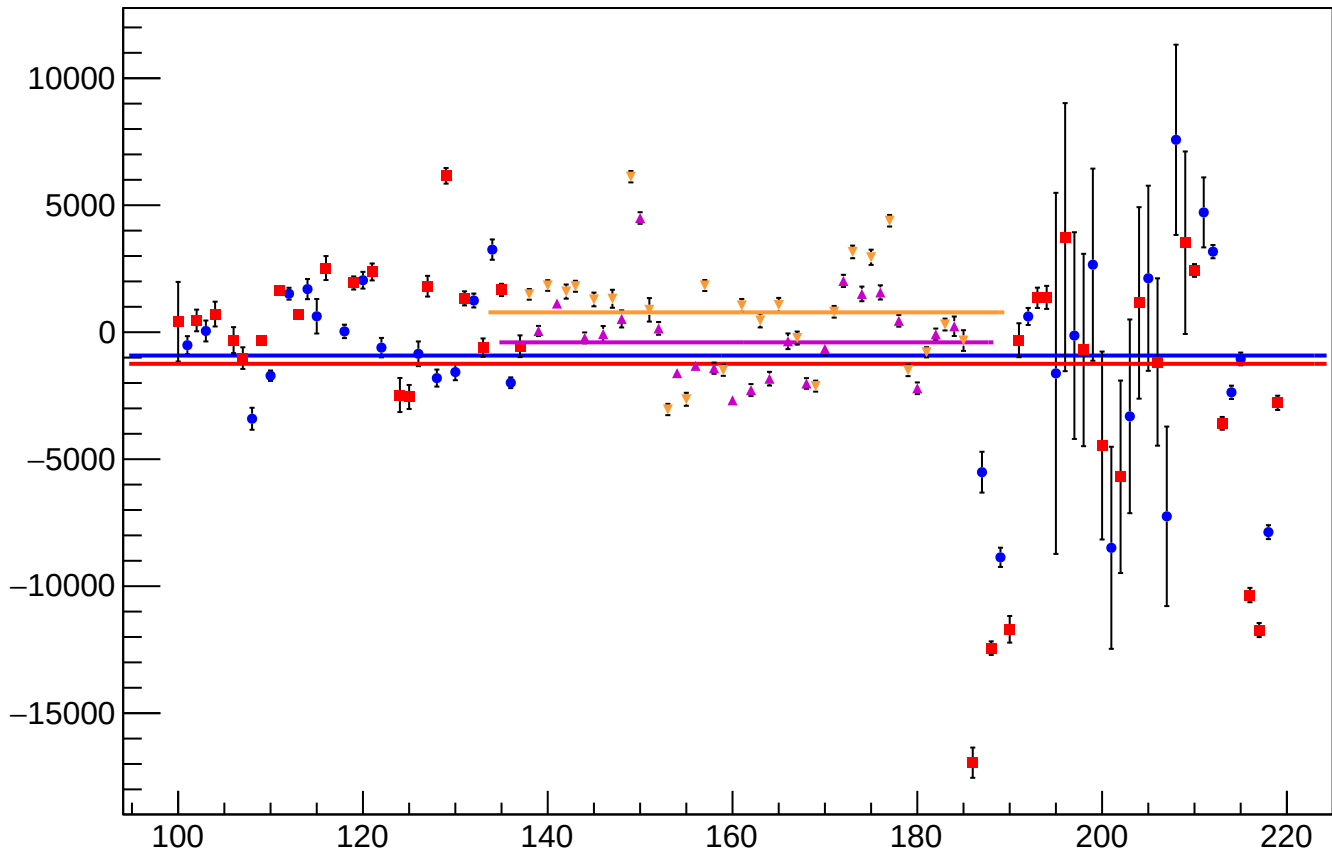
Left In: 201.446 $\pm$ 0.034 χ^2 /NDF:1061972.3/22

+ sign 209.587 $\pm$ 0.024 χ^2 /NDF: 2875782.4/56

All: 205.934 $\pm$ 0.017 χ^2 /NDF: 6962335.9/116

- sign 202.477 $\pm$ 0.024 χ^2 /NDF: 4042543.1/59

asym_bpm0l08WS_mean vs Slug



Right In: -919.115 ± 64.328 $\chi^2/\text{NDF}: 1955.3/31$

Left Out: 782.388 ± 49.199 $\chi^2/\text{NDF}: 2001.3/24$

Right Out: -1244.513 ± 57.386 $\chi^2/\text{NDF}: 7329.3/36$

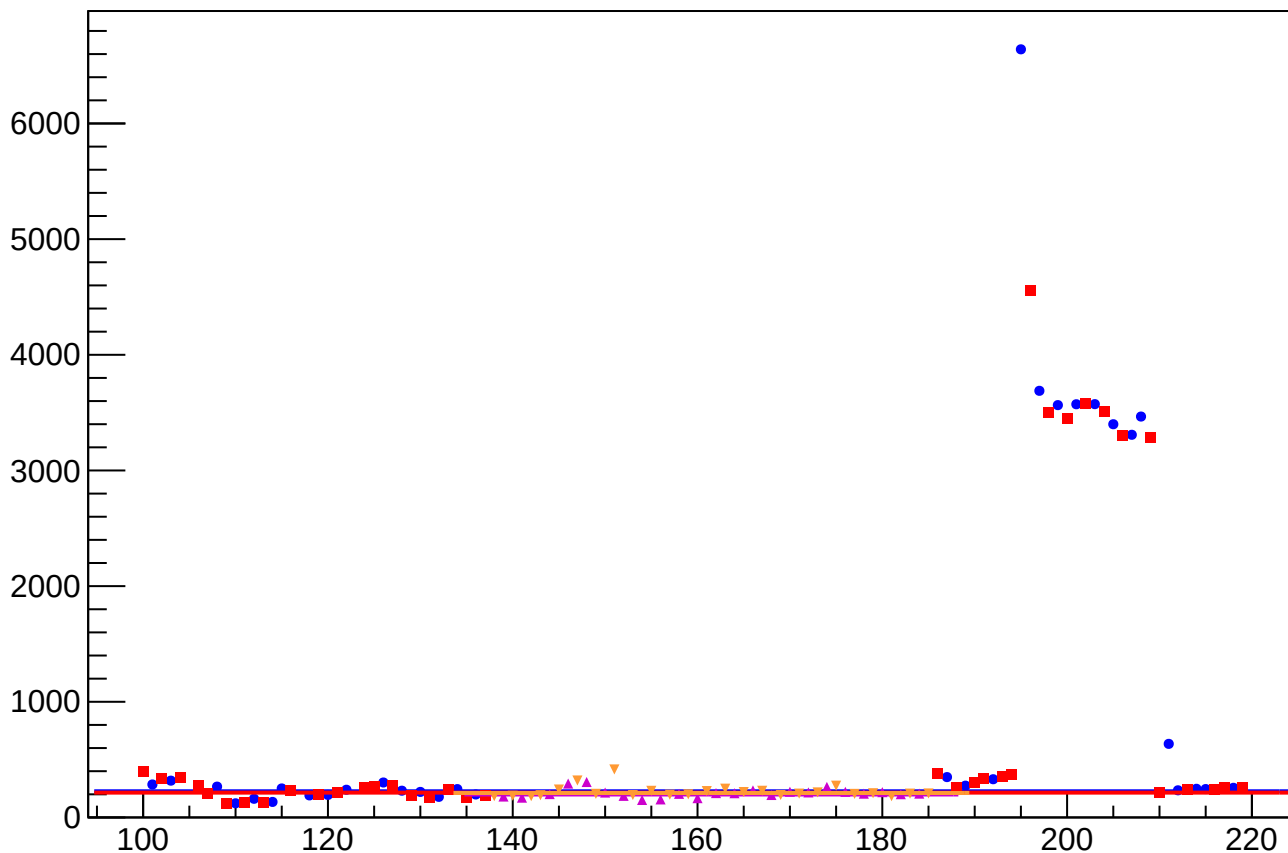
Left In: -399.798 ± 47.819 $\chi^2/\text{NDF}: 1232.0/22$

+ sign 154.422 ± 39.079 $\chi^2/\text{NDF}: 4398.0/56$

All: -323.576 ± 26.767 $\chi^2/\text{NDF}: 13369.0/116$

- sign -745.969 ± 36.736 $\chi^2/\text{NDF}: 8689.2/59$

asym_bpm0l08WS_rms vs Slug



Right In: 226.354+/-0.045 χ^2/NDF : 13784760.7/31

Left Out: 211.496+/-0.035 χ^2/NDF : 934978.4/24

Right Out: 214.722+/-0.041 χ^2/NDF : 13549082.9/36

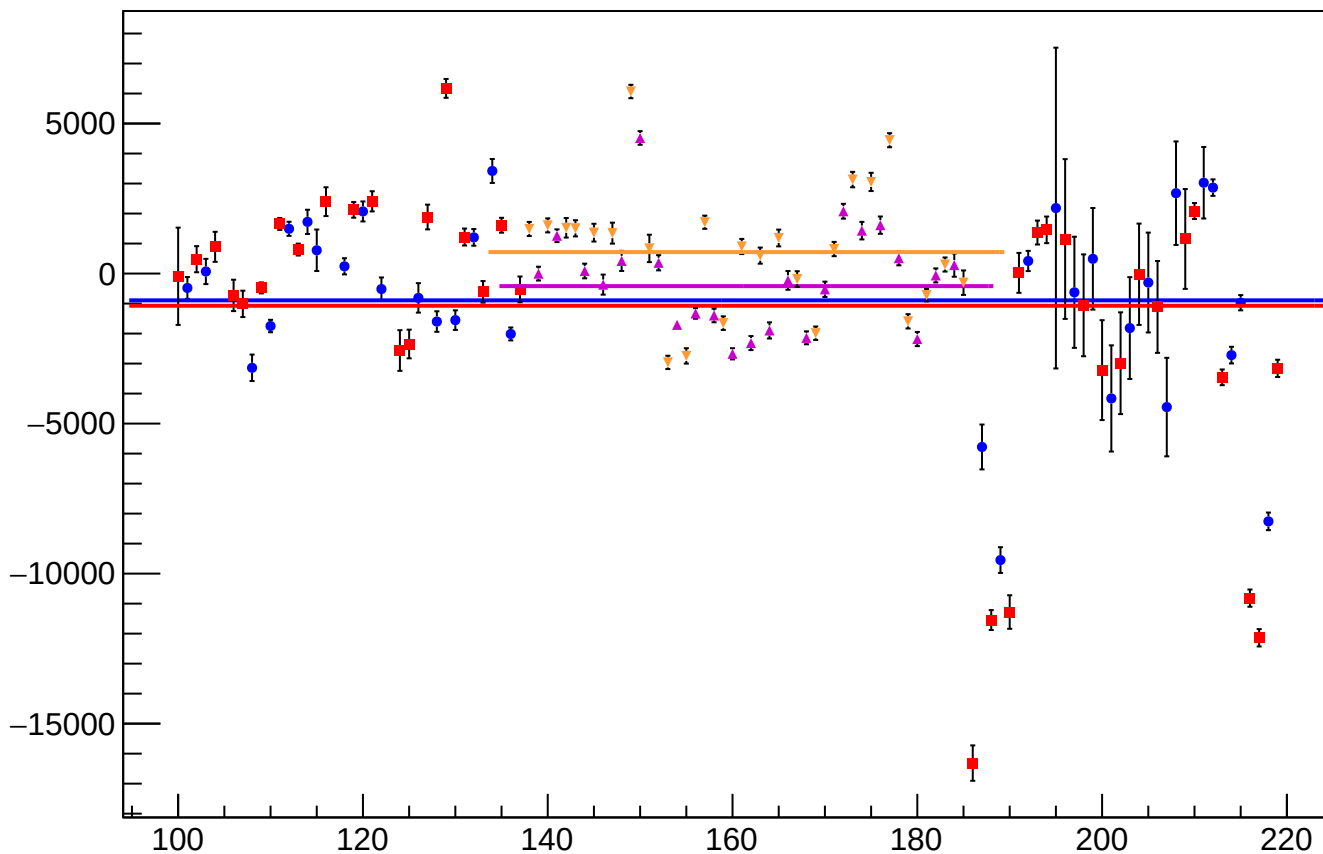
Left In: 198.524+/-0.034 χ^2/NDF : 1006458.6/22

+ sign 216.979+/-0.028 χ^2/NDF : 14787059.2/56

All: 210.706+/-0.019 χ^2/NDF : 29533723.1/11

- sign 205.162+/-0.026 χ^2/NDF : 14649584.5/59

asym_bpm0l09WS_mean vs Slug



Right In: -892.855 ± 65.531 χ^2/NDF : 1859.0/31

Left Out: 715.643 ± 51.110 χ^2/NDF : 1918.0/24

Right Out: -1072.718 ± 58.938 χ^2/NDF : 6378.6/36

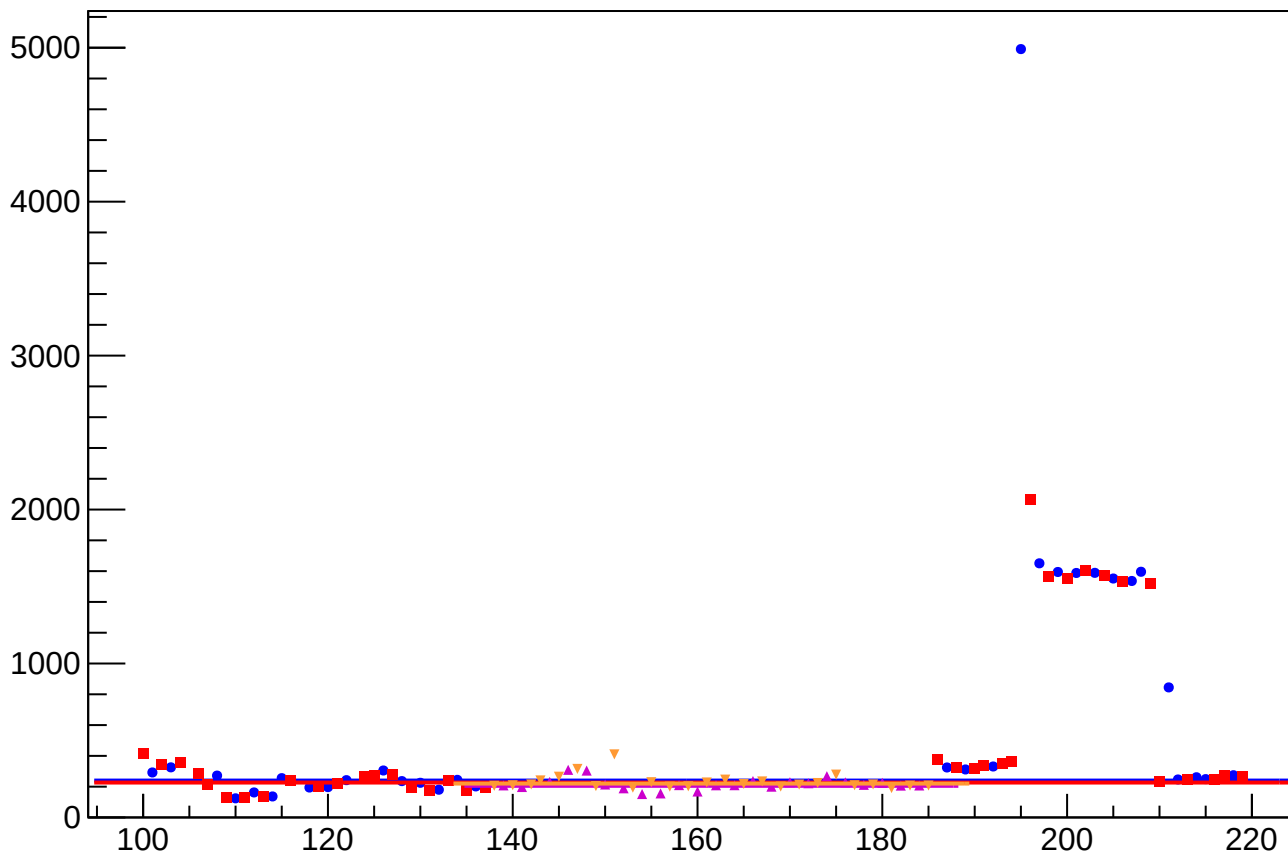
Left In: -418.574 ± 49.523 χ^2/NDF : 1241.0/22

+ sign 107.269 ± 40.302 χ^2/NDF : 4151.6/56

All: -315.290 ± 27.615 χ^2/NDF : 12050.7/116

- sign -689.291 ± 37.915 χ^2/NDF : 7691.8/59

asym_bpm0l09WS_rms vs Slug



Right In: 239.542+/-0.046 χ^2/NDF : 12350959.5/31

Left Out: 220.145+/-0.036 χ^2/NDF : 799699.4/24

Right Out: 226.756+/-0.042 χ^2/NDF : 11718185.6/36

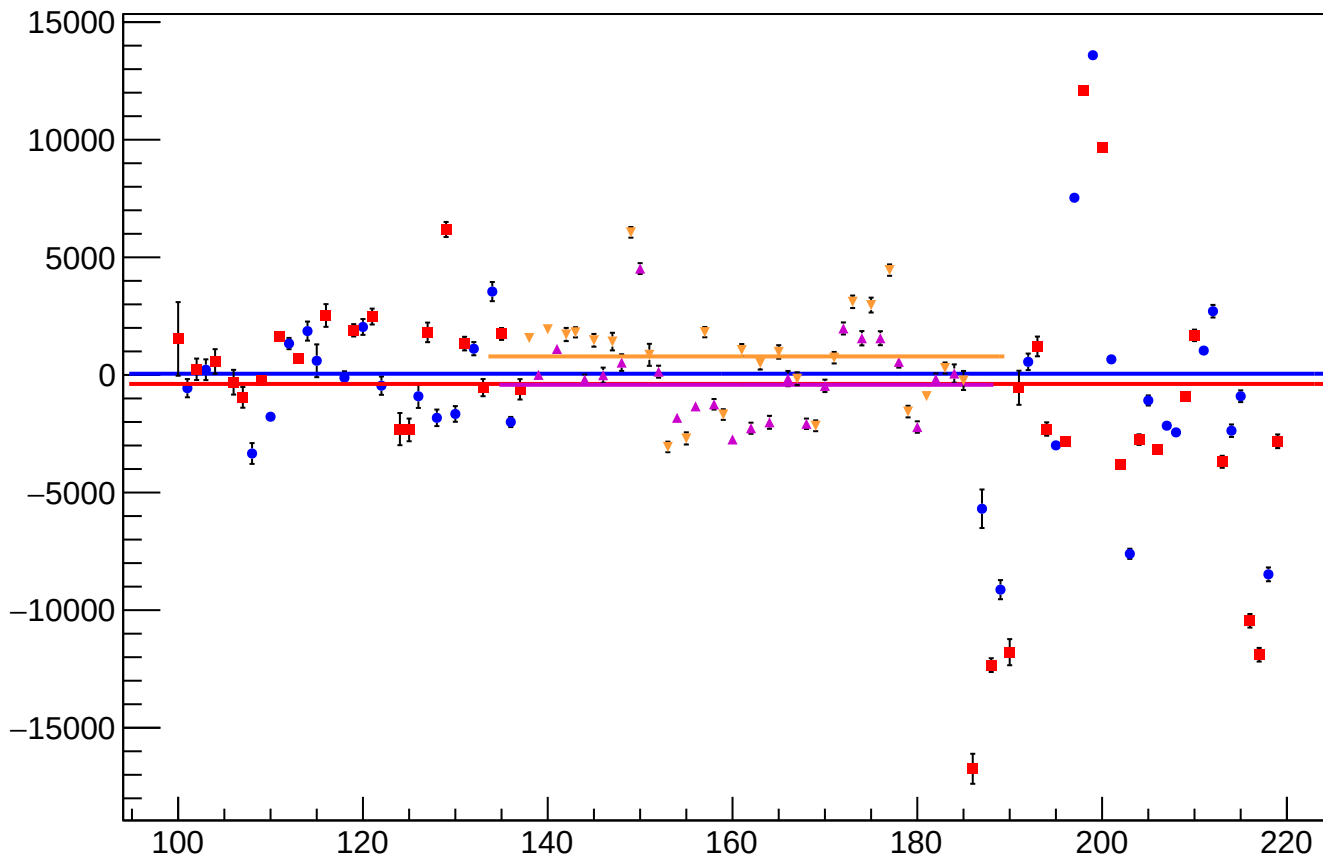
Left In: 205.481+/-0.035 χ^2/NDF : 1013965.4/22

+ sign 227.481+/-0.028 χ^2/NDF : 13259614.6/56

All: 220.481+/-0.020 χ^2/NDF : 26258247.9/11

- sign 214.286+/-0.027 χ^2/NDF : 12884891.0/59

asym_bpm0l10WS_mean vs Slug



Right In: 51.092 ± 47.995 χ^2/NDF : 10191.6/31

Left Out: 786.922 ± 50.524 χ^2/NDF : 1937.6/24

Right Out: -382.623 ± 46.831 χ^2/NDF : 13664.0/36

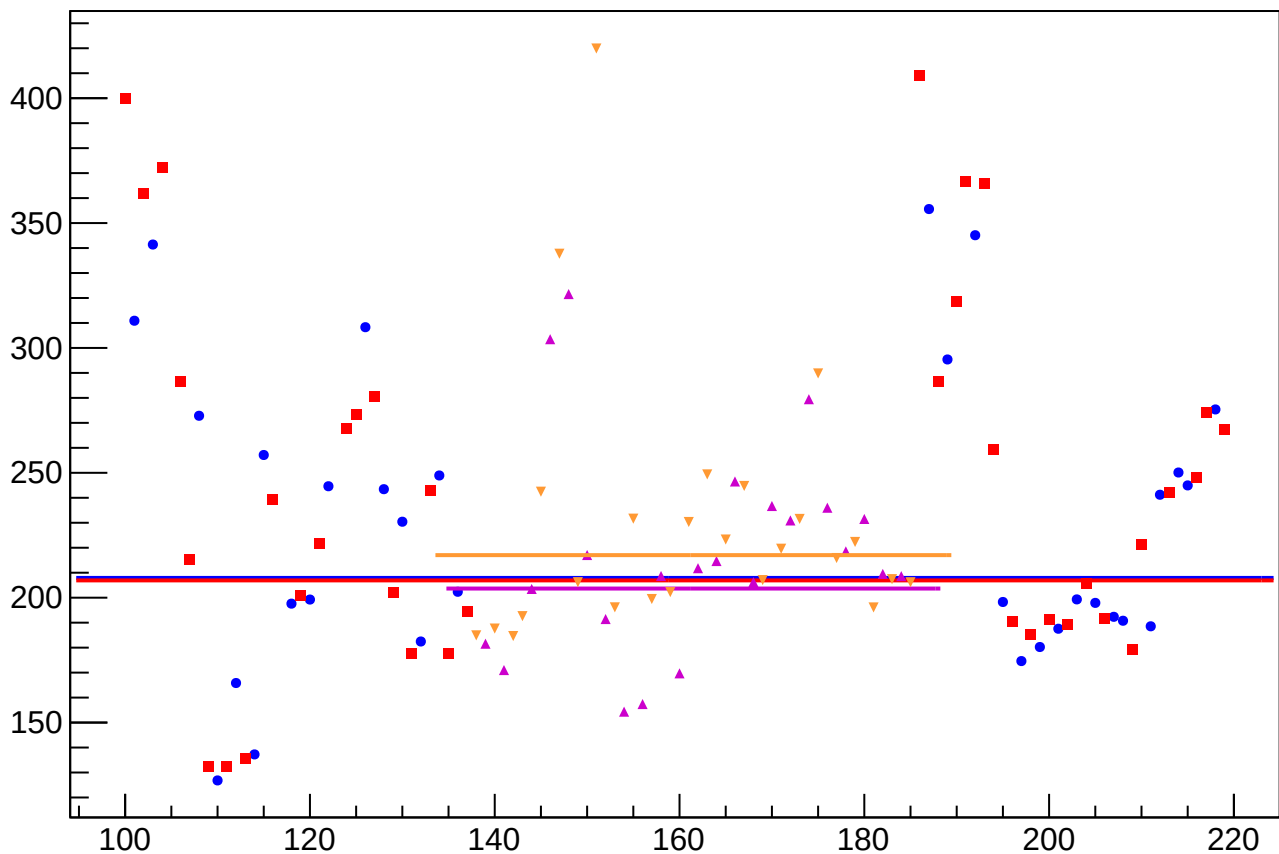
Left In: -418.824 ± 49.152 χ^2/NDF : 1211.0/22

+ sign 400.130 ± 34.797 χ^2/NDF : 12240.6/56

All: -10.245 ± 24.284 χ^2/NDF : 27387.0/116

- sign -399.848 ± 33.905 χ^2/NDF : 14875.3/59

asym_bpm0l10WS_rms vs Slug



Right In: 207.914 $\pm$ 0.034 χ^2 /NDF: 1829661.6/31

Left Out: 217.040 $\pm$ 0.036 χ^2 /NDF:983170.6/24

Right Out: 206.928 $\pm$ 0.033 χ^2 /NDF: 2822622.0/36

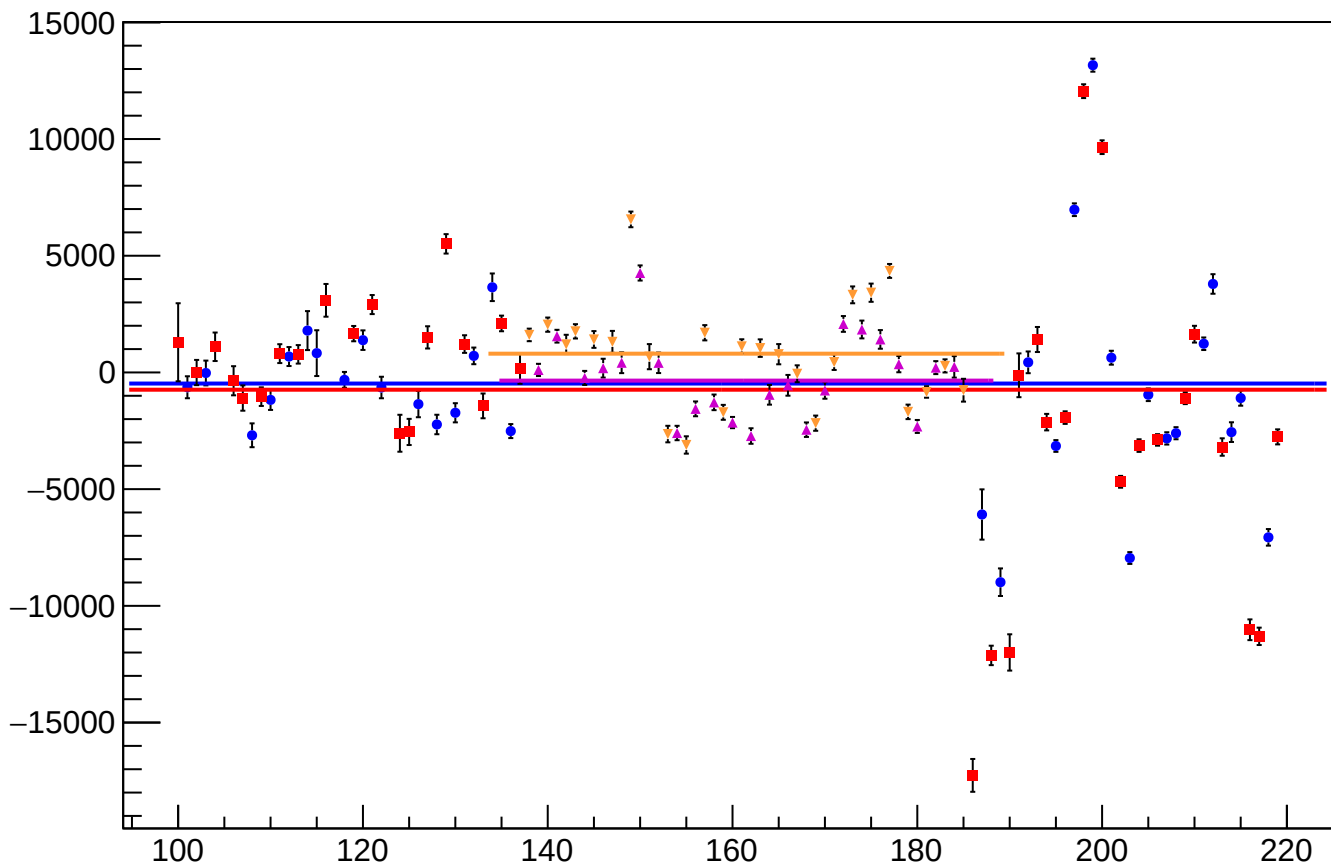
Left In: 203.660 $\pm$ 0.035 χ^2 /NDF:1165334.8/22

+ sign 212.243 $\pm$ 0.025 χ^2 /NDF: 2847130.2/56

All: 208.719 $\pm$ 0.017 χ^2 /NDF: 6879712.1/116

- sign 205.373 $\pm$ 0.024 χ^2 /NDF: 3992590.6/59

asym_bpm0r03WS_mean vs Slug



Right In: -475.768 ± 63.994 $\chi^2/\text{NDF}: 5234.9/31$

Left Out: 803.752 ± 67.693 $\chi^2/\text{NDF}: 1057.7/24$

Right Out: -740.008 ± 64.284 $\chi^2/\text{NDF}: 7118.9/36$

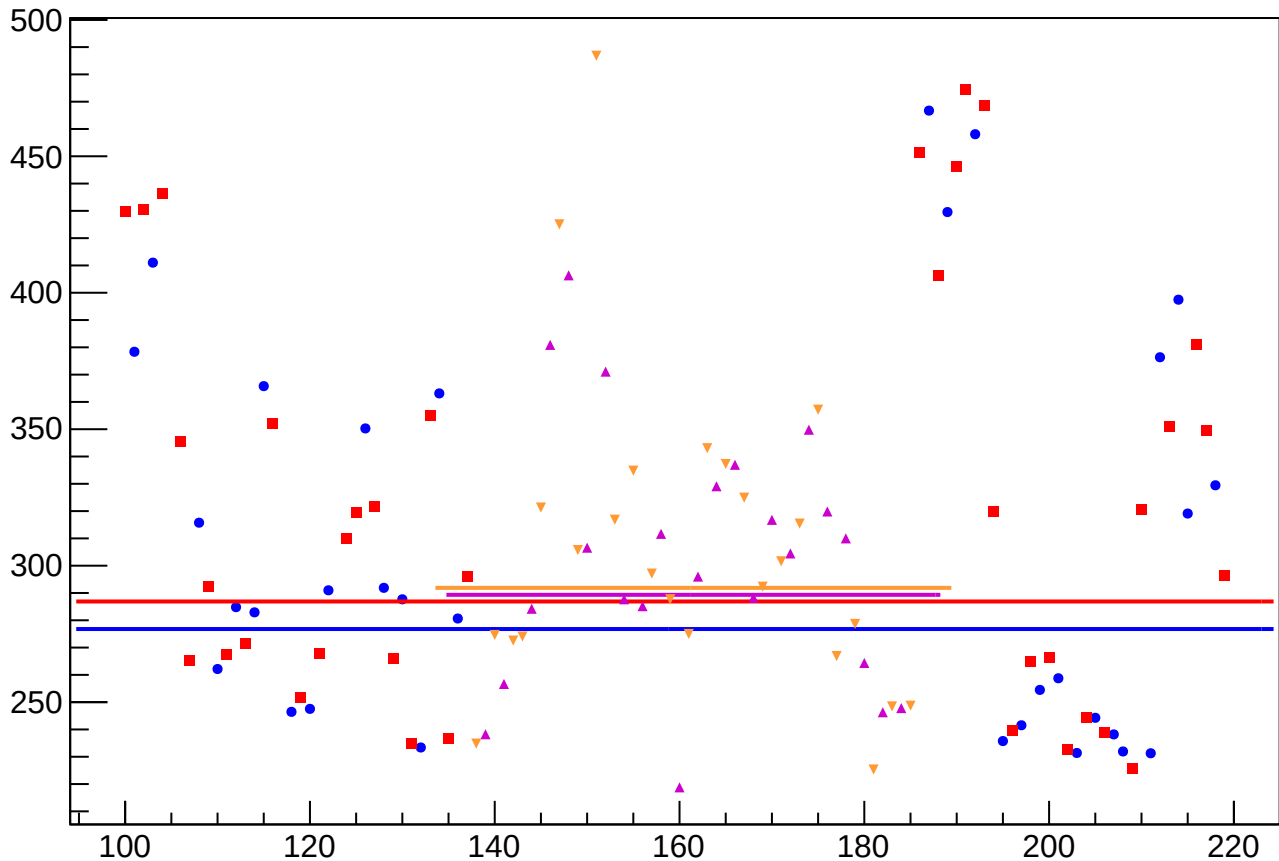
Left In: -350.095 ± 68.985 $\chi^2/\text{NDF}: 656.1/22$

+ sign 128.083 ± 46.503 $\chi^2/\text{NDF}: 6481.2/56$

All: -211.488 ± 33.067 $\chi^2/\text{NDF}: 14381.2/116$

- sign -558.788 ± 47.030 $\chi^2/\text{NDF}: 7792.1/59$

asym_bpm0r03WS_rms vs Slug



Right In: 276.794 $\pm$ 0.045 χ^2 /NDF: 1603349.4/31

Left Out: 291.882 $\pm$ 0.048 χ^2 /NDF: 959919.3/24

Right Out: 286.888 $\pm$ 0.045 χ^2 /NDF: 1811983.5/36

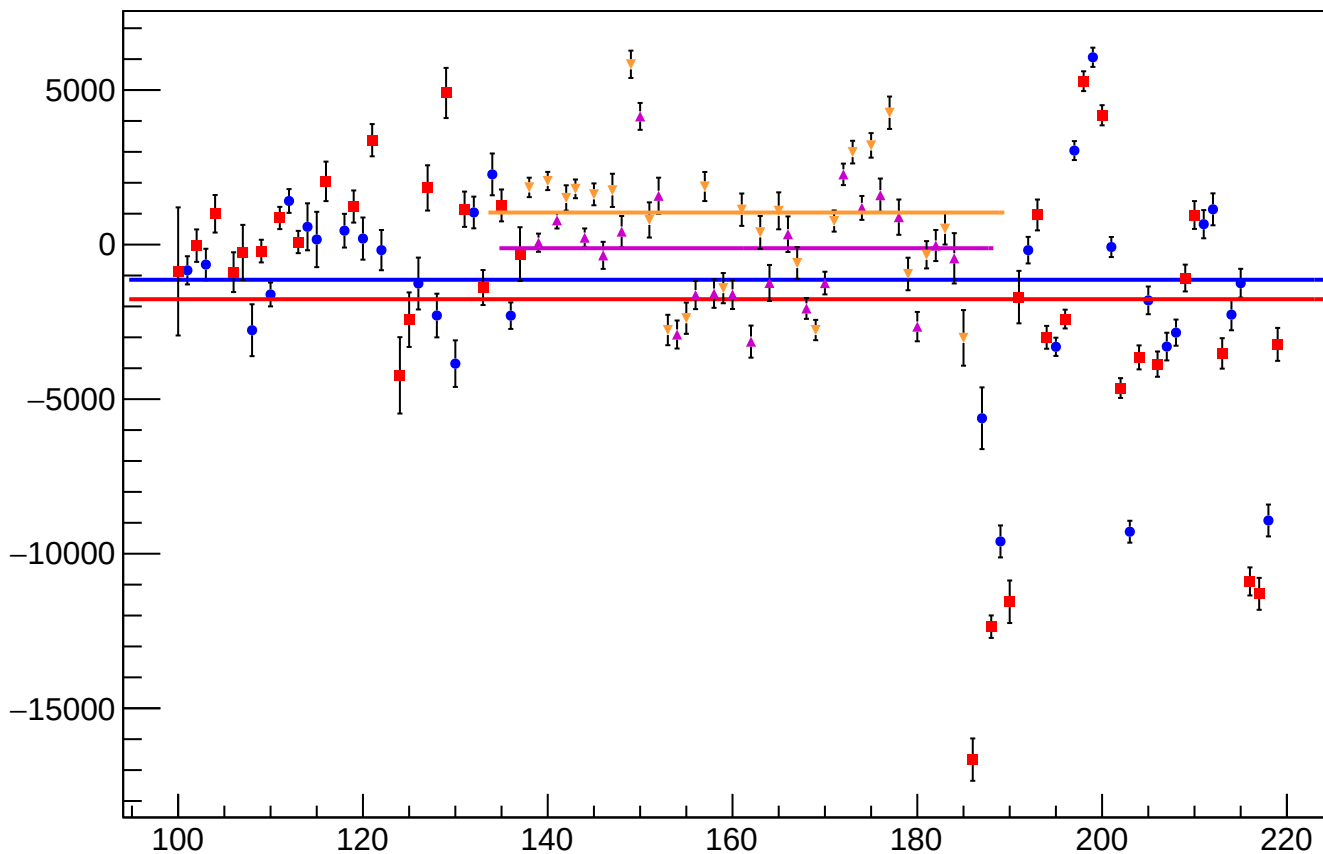
Left In: 289.321 $\pm$ 0.049 χ^2 /NDF: 808605.3/22

+ sign 283.915 $\pm$ 0.033 χ^2 /NDF: 2615739.8/56

All: 285.944 $\pm$ 0.023 χ^2 /NDF: 5245361.1/116

- sign 288.019 $\pm$ 0.033 χ^2 /NDF: 2621920.0/59

asym_bpm0r05WS_mean vs Slug



Right In: -1137.616 ± 82.334 $\chi^2/\text{NDF}: 2058.3/31$

Left Out: 1037.330 ± 85.200 $\chi^2/\text{NDF}: 570.2/24$

Right Out: -1766.574 ± 78.349 $\chi^2/\text{NDF}: 3782.5/36$

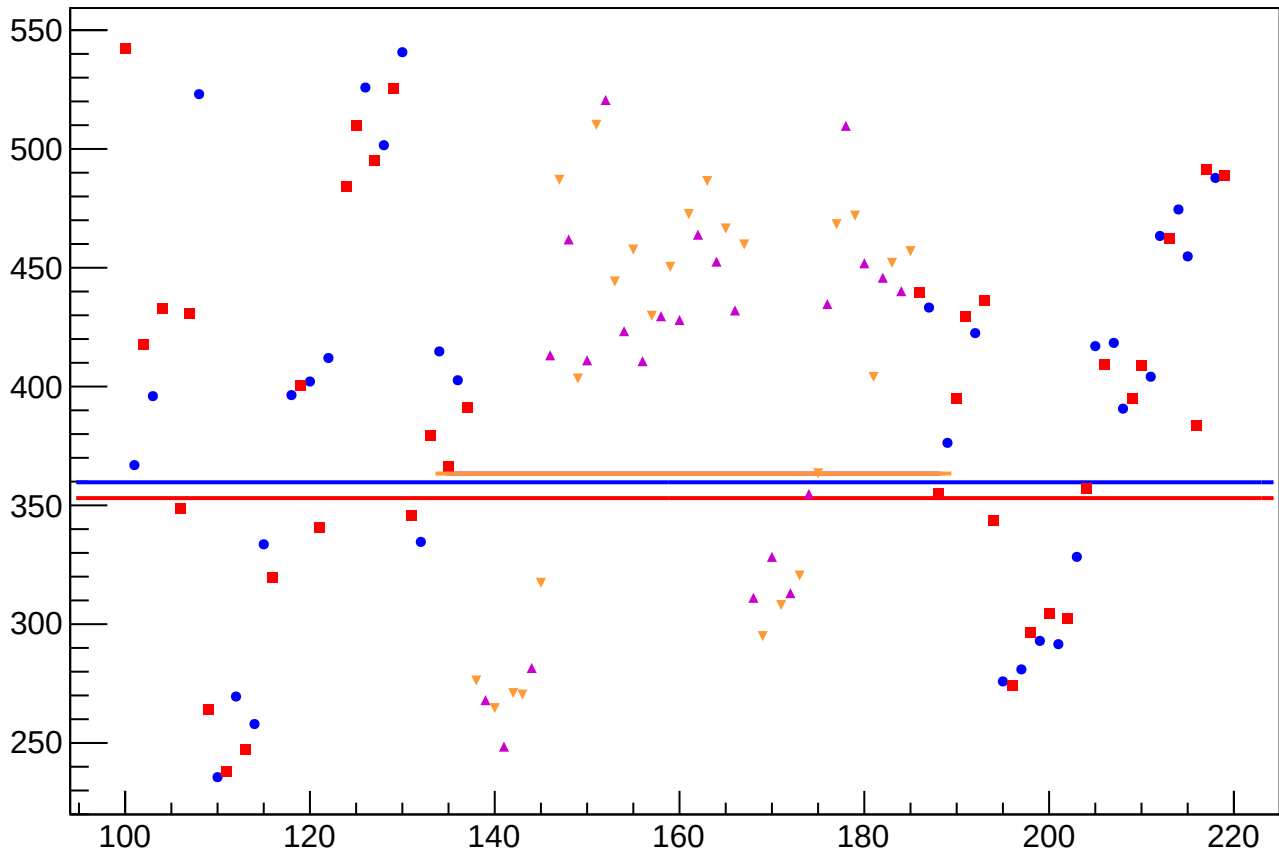
Left In: -117.211 ± 87.461 $\chi^2/\text{NDF}: 370.4/22$

+ sign -87.336 ± 59.206 $\chi^2/\text{NDF}: 2965.5/56$

All: -566.624 ± 41.562 $\chi^2/\text{NDF}: 7444.9/116$

- sign -1032.266 ± 58.357 $\chi^2/\text{NDF}: 4350.2/59$

asym_bpm0r05WS_rms vs Slug



Right In: 359.715+/-0.058 χ^2/NDF : 1815038.8/31

Left Out: 363.387+/-0.060 χ^2/NDF : 1940497.4/24

Right Out: 353.055+/-0.055 χ^2/NDF : 1747123.6/36

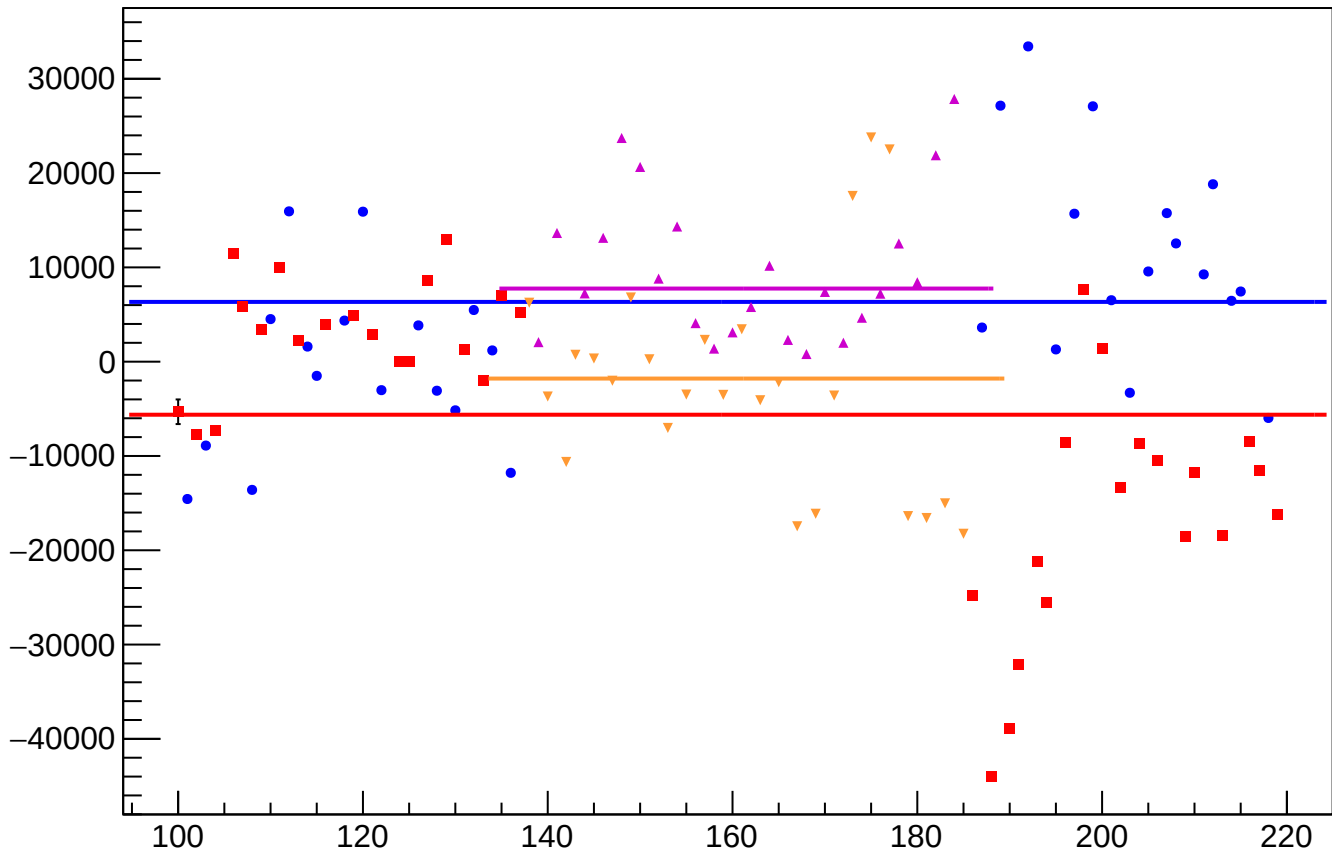
Left In: 363.386+/-0.062 χ^2/NDF : 1711599.2/22

+ sign 361.488+/-0.042 χ^2/NDF : 3757456.7/56

All: 359.544+/-0.029 χ^2/NDF : 7235917.1/116

- sign 357.654+/-0.041 χ^2/NDF : 3474206.3/59

asym_bpm0i02WS_mean vs Slug



Right In: 6339.118+/-38.059 χ^2/NDF : 99112.1/31

Left Out: -1790.289+/-40.910 χ^2/NDF : 65745.9/24

+ sign 2567.565+/-27.865 χ^2/NDF : 186025.6/56

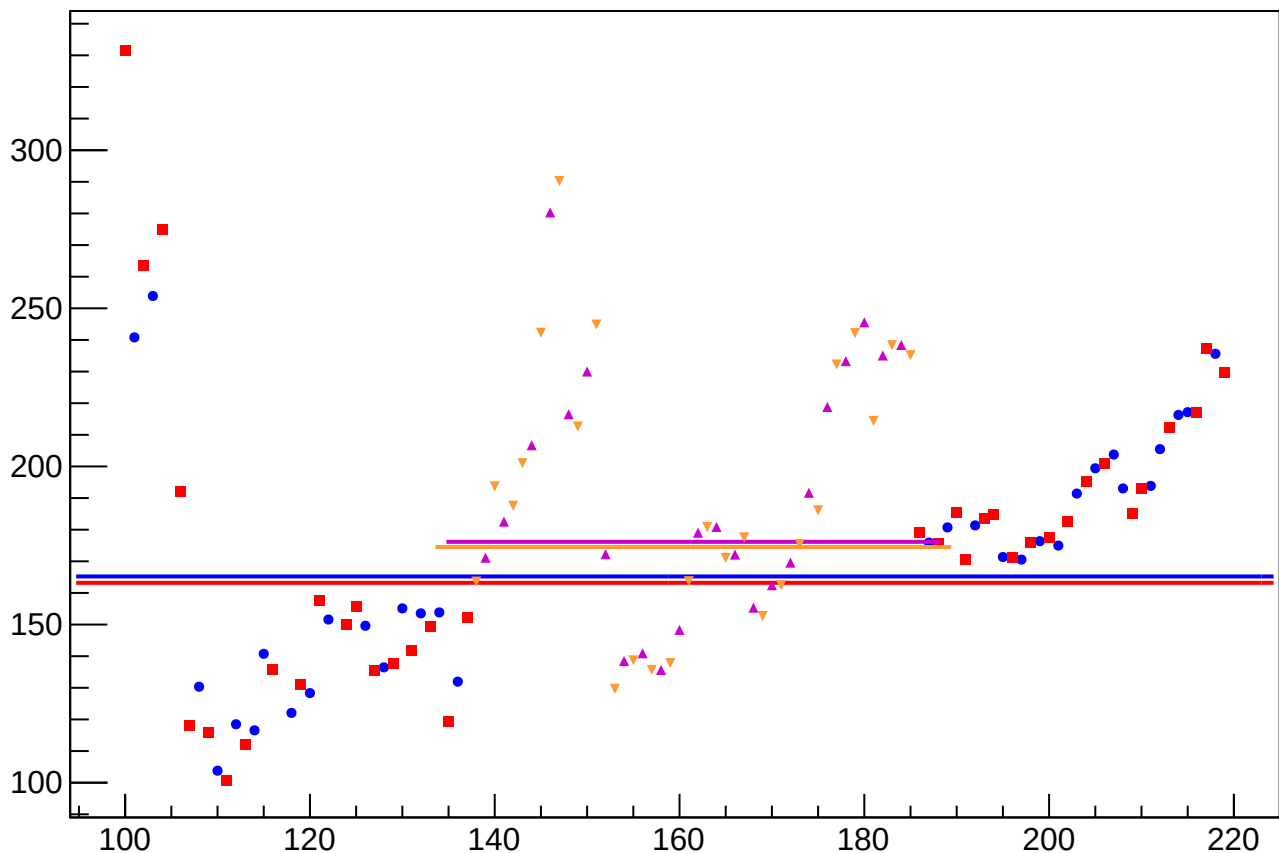
Right Out: -5625.025+/-36.486 χ^2/NDF : 149627.3/36

All: 1296.873+/-19.646 χ^2/NDF : 420012.0/11

- sign 40.898+/-27.703 χ^2/NDF : 229851.5/59

Left In: 7754.468+/-42.571 χ^2/NDF : 23278.0/22

asym_bpm0i02WS_rms vs Slug



Right In: 165.211+/-0.027 χ^2/NDF : 1817979.8/31

Left Out: 174.520+/-0.029 χ^2/NDF : 1659469.6/24

Right Out: 163.206+/-0.026 χ^2/NDF : 2261955.4/36

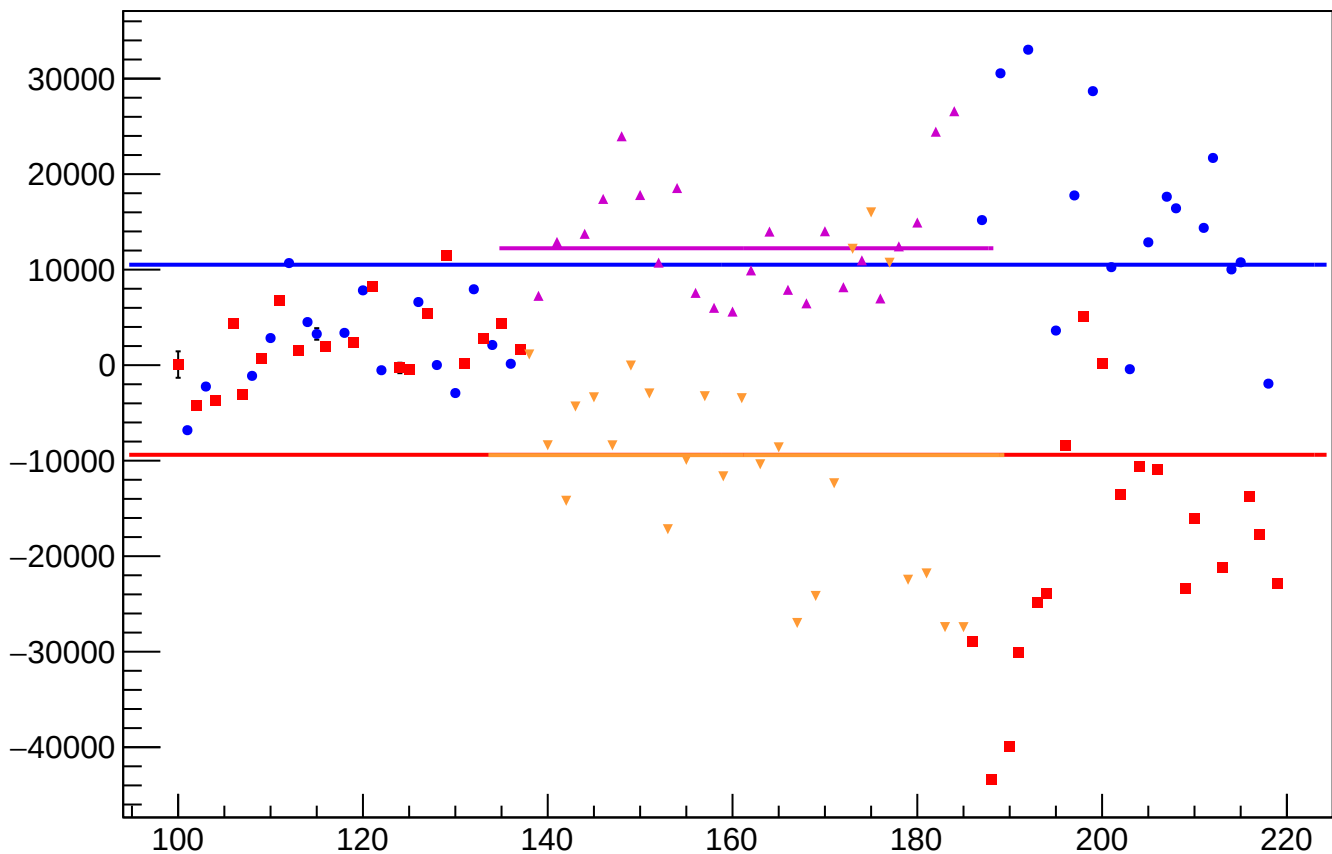
Left In: 176.155+/-0.030 χ^2/NDF : 1367059.2/22

+ sign 169.530+/-0.020 χ^2/NDF : 3532970.7/56

All: 169.107+/-0.014 χ^2/NDF : 7269570.4/116

- sign 168.690+/-0.020 χ^2/NDF : 3735684.8/59

asym_bpm0i02aWS_mean vs Slug



Right In: 10516.588 ± 41.421 $\chi^2/\text{NDF}: 59301.8/31$

Left Out: -9420.181 ± 45.698 $\chi^2/\text{NDF}: 64719.0/24$

Right Out: -9384.487 ± 39.797 $\chi^2/\text{NDF}: 122918.9/36$

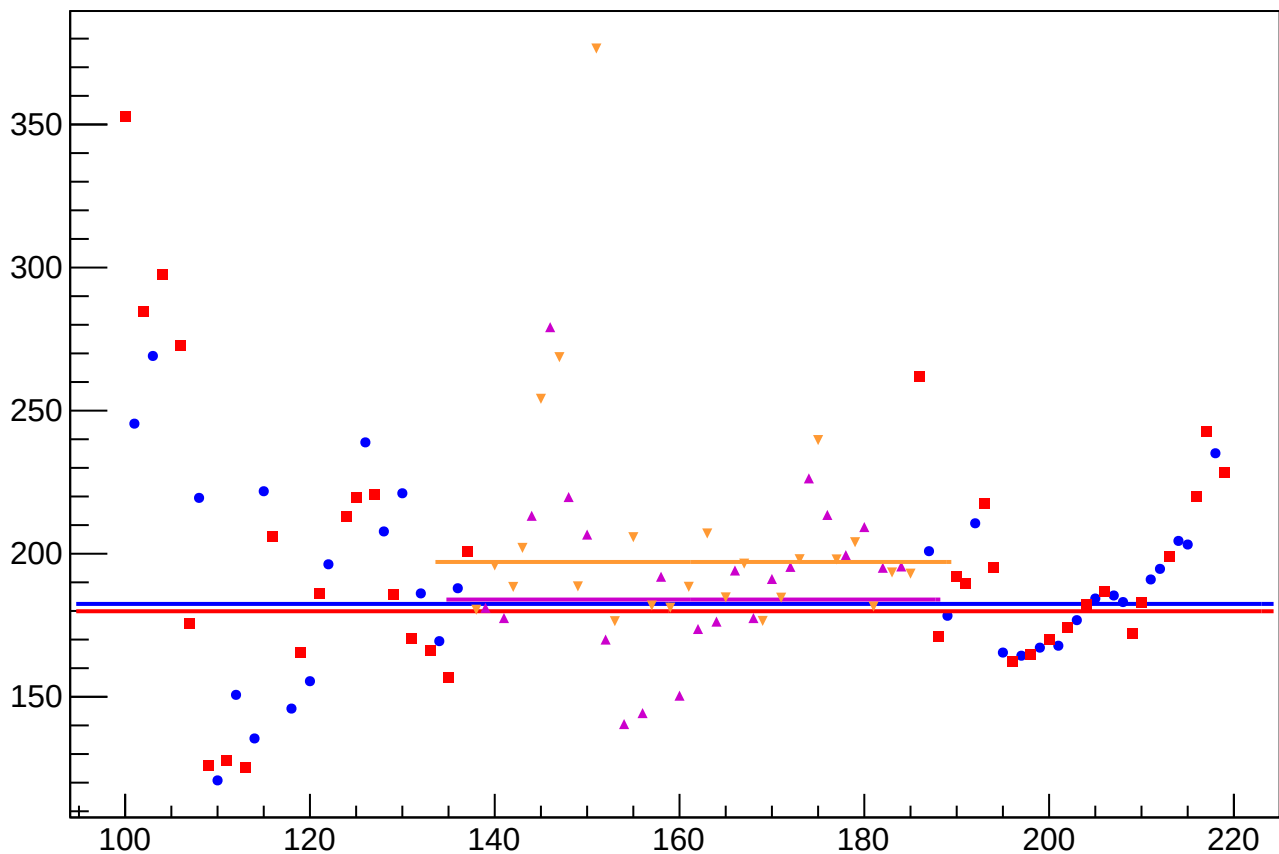
Left In: 12238.678 ± 44.195 $\chi^2/\text{NDF}: 16015.8/22$

+ sign 1524.694 ± 30.690 $\chi^2/\text{NDF}: 228510.4/56$

All: 888.652 ± 21.295 $\chi^2/\text{NDF}: 500464.0/116$

- sign 298.026 ± 29.574 $\chi^2/\text{NDF}: 271125.2/59$

asym_bpm0i02aWS_rms vs Slug



Right In: 182.461+/-0.029 χ^2/NDF : 924382.2/31

Left Out: 197.122+/-0.032 χ^2/NDF : 732529.8/24

Right Out: 179.897+/-0.028 χ^2/NDF : 1497173.0/36

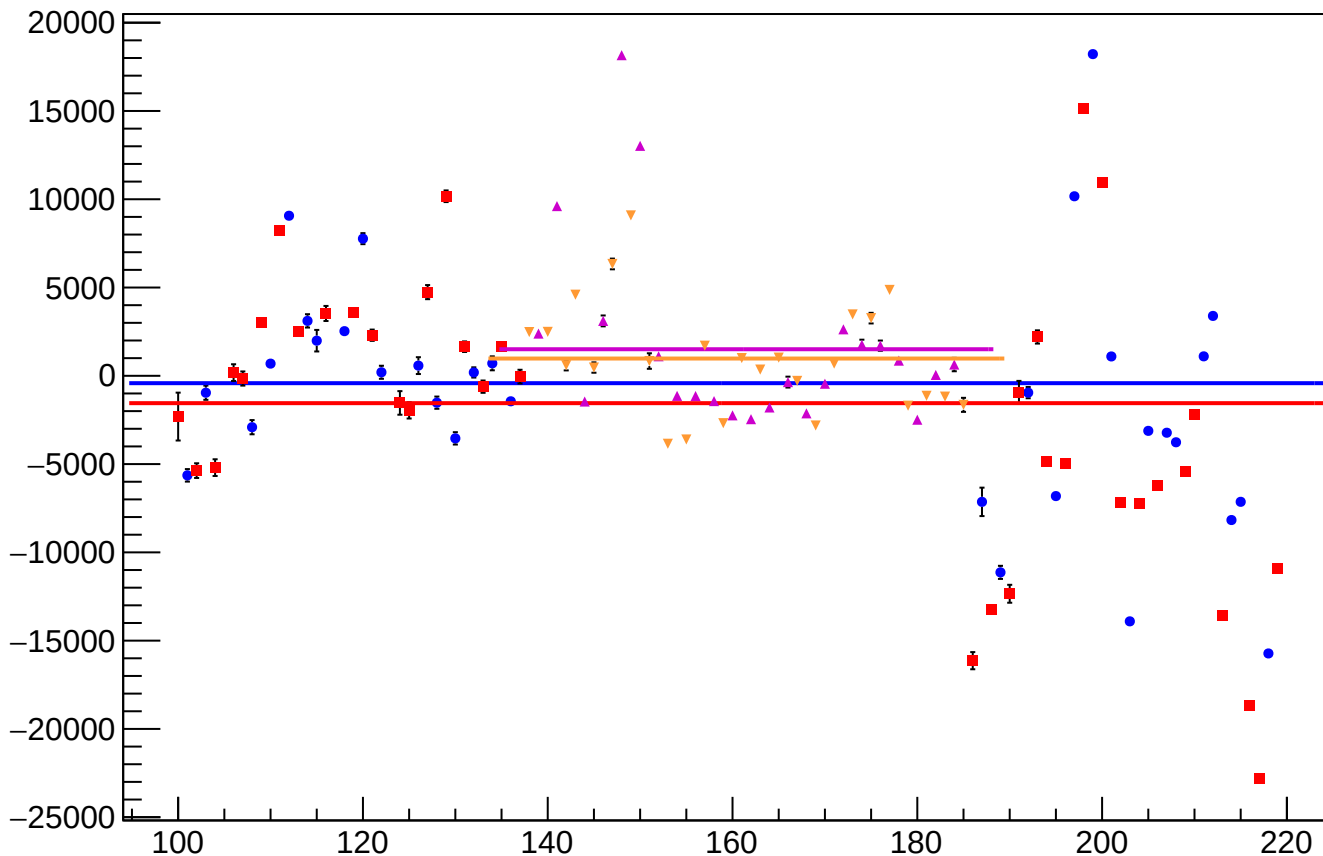
Left In: 183.985+/-0.031 χ^2/NDF : 829778.1/22

+ sign 189.073+/-0.022 χ^2/NDF : 1769930.1/56

All: 185.265+/-0.015 χ^2/NDF : 4165742.8/116

- sign 181.728+/-0.021 χ^2/NDF : 2336402.0/59

asym_bpm0i05WS_mean vs Slug



Right In: -417.460 ± 46.465 χ^2/NDF : 26985.5/31

Left Out: 978.429 ± 49.607 χ^2/NDF : 4322.9/24

Right Out: -1549.058 ± 44.720 χ^2/NDF : 36556.9/36

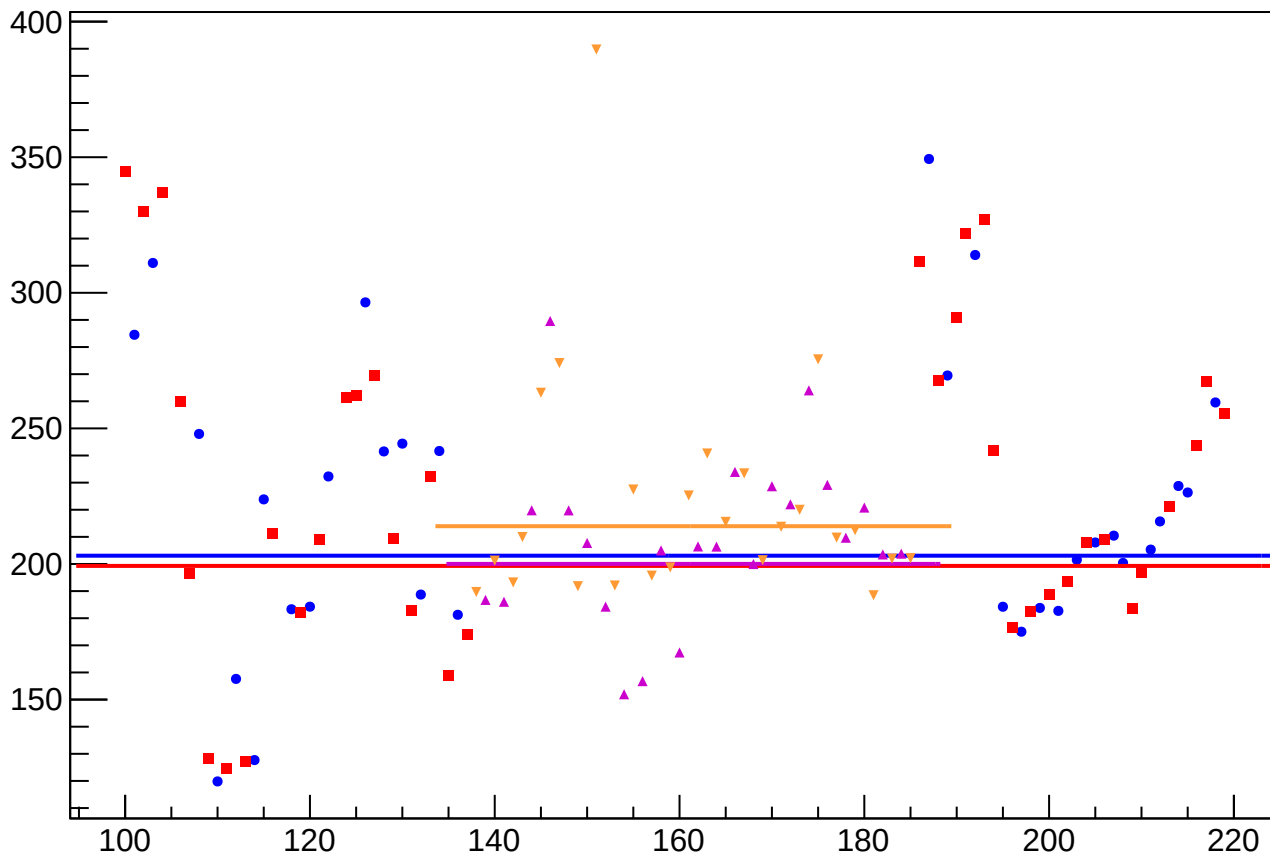
Left In: 1505.093 ± 48.051 χ^2/NDF : 11480.6/22

+ sign 234.886 ± 33.912 χ^2/NDF : 31730.2/56

All: 45.226 ± 23.553 χ^2/NDF : 81993.0/116

- sign -131.506 ± 32.736 χ^2/NDF : 50202.4/59

asym_bpm0i05WS_rms vs Slug



Right In: 203.056 $\pm$ 0.033 χ^2 /NDF: 1601048.9/31

Left Out: 213.931 $\pm$ 0.035 χ^2 /NDF: 733638.6/24

Right Out: 199.290 $\pm$ 0.032 χ^2 /NDF: 2552523.4/36

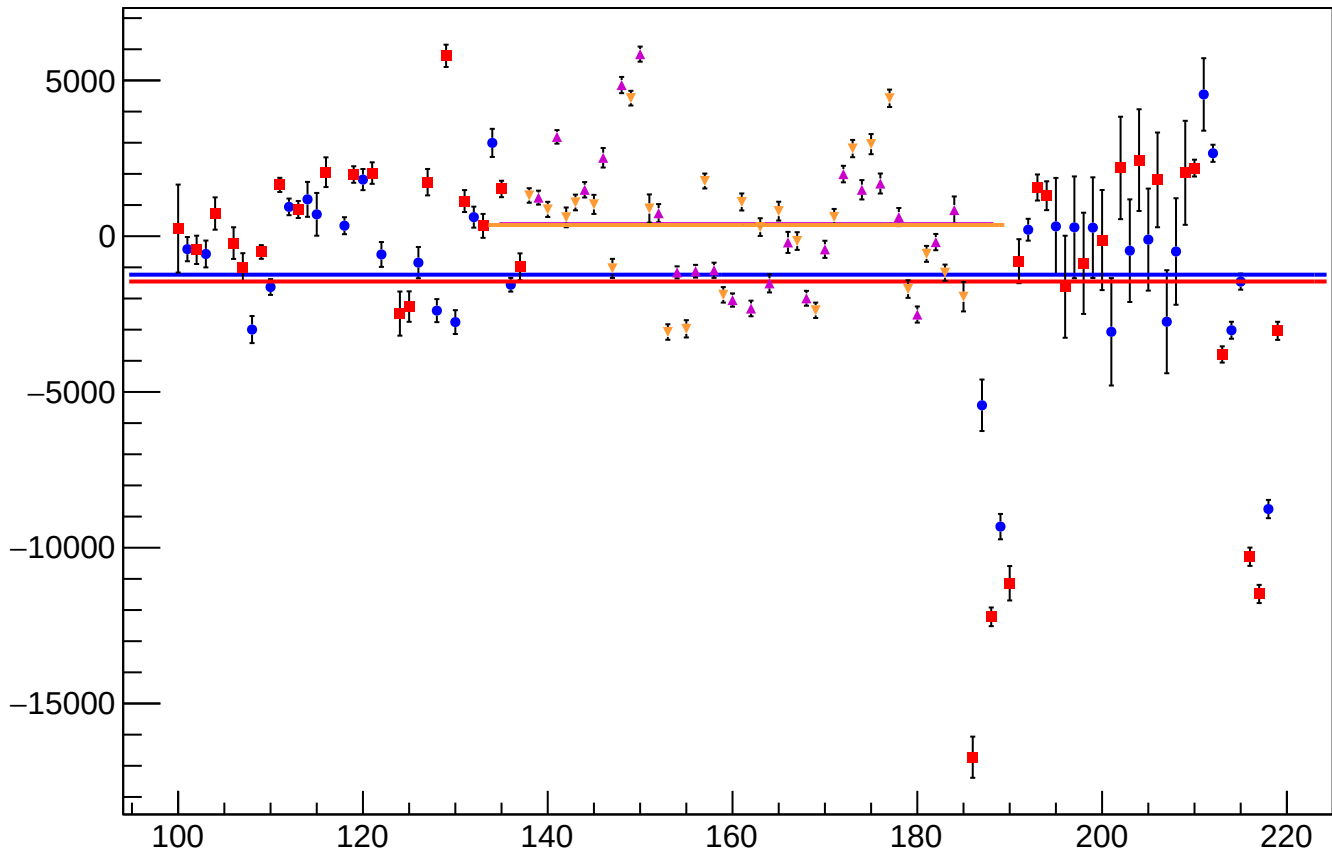
Left In: 200.031 $\pm$ 0.034 χ^2 /NDF: 785525.4/22

+ sign 208.138 $\pm$ 0.024 χ^2 /NDF: 2385887.8/56

All: 203.736 $\pm$ 0.017 χ^2 /NDF: 5789305.9/116

- sign 199.634 $\pm$ 0.023 χ^2 /NDF: 3338303.6/59

asym_bpm0i07WS_mean vs Slug



Right In: -1235.447 ± 69.731 χ^2/NDF : 1752.5/31

Left Out: 358.680 ± 54.992 χ^2/NDF : 1418.9/24

Right Out: -1454.435 ± 63.496 χ^2/NDF : 5922.8/36

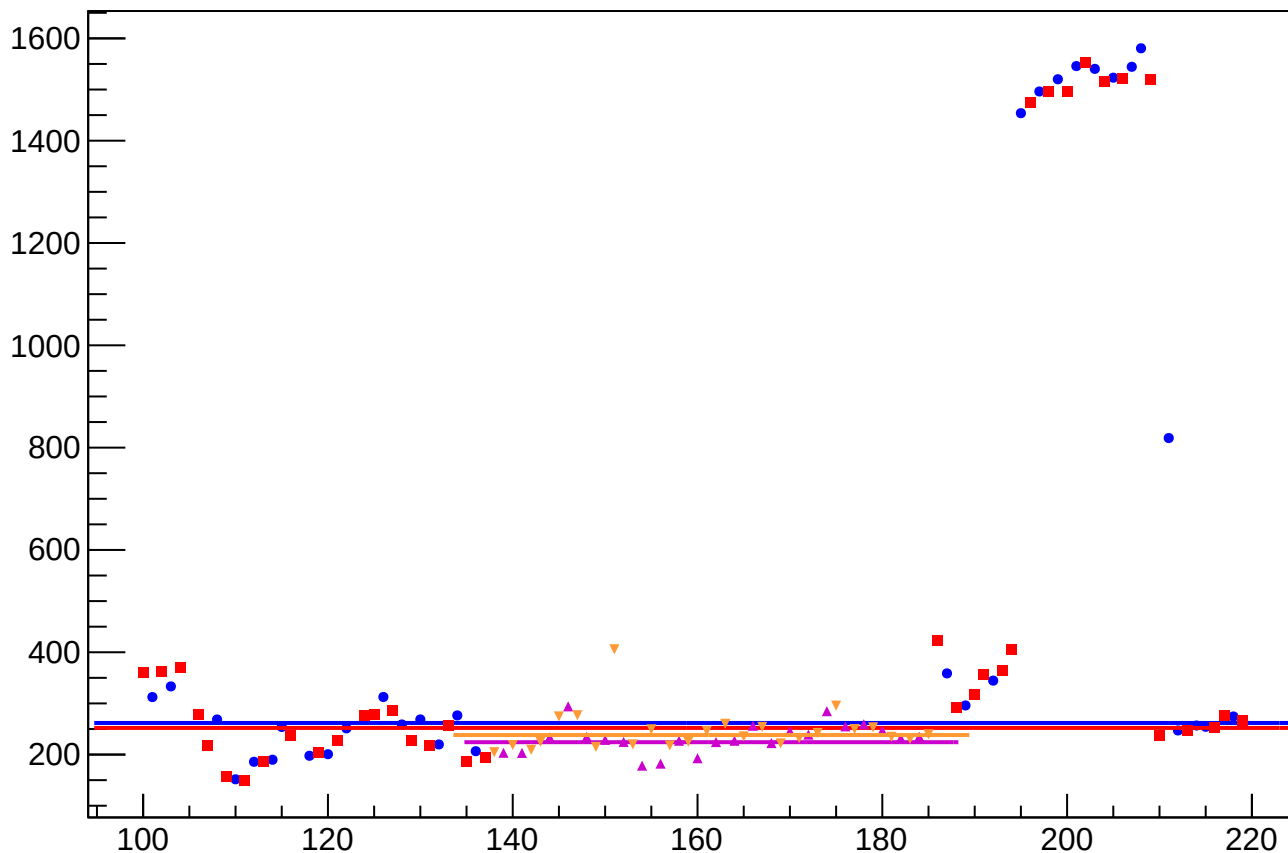
Left In: 386.941 ± 53.528 χ^2/NDF : 1804.2/22

+ sign -252.592 ± 43.180 χ^2/NDF : 3493.6/56

All: -318.675 ± 29.704 χ^2/NDF : 11716.5/116

- sign -378.039 ± 40.926 χ^2/NDF : 8218.5/59

asym_bpm0i07WS_rms vs Slug



Right In: 261.801 $\pm$ 0.049 χ^2 /NDF: 11065076.7/31

Left Out: 238.199 $\pm$ 0.039 χ^2 /NDF: 567935.3/24

Right Out: 252.105 $\pm$ 0.045 χ^2 /NDF: 10550978.6/36

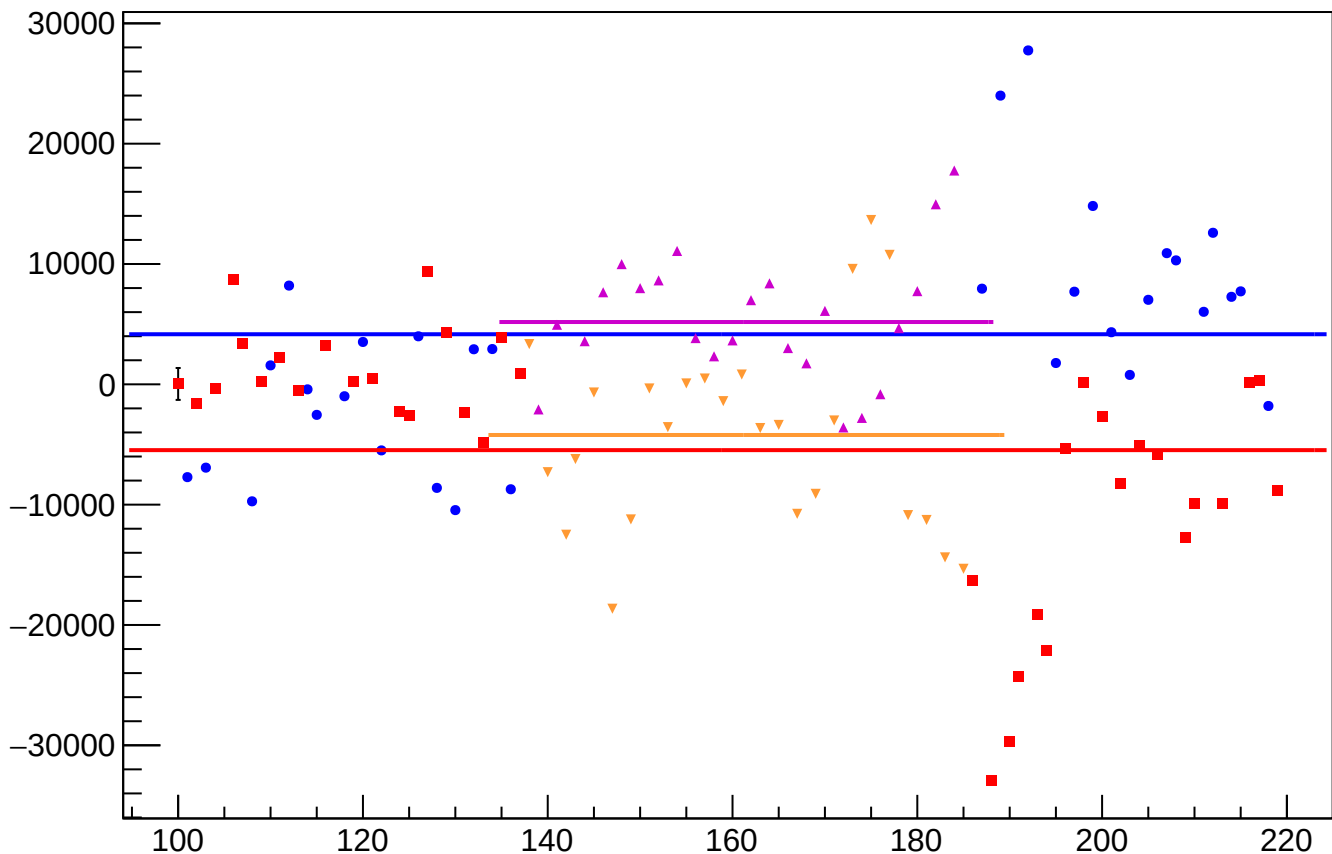
Left In: 224.212 $\pm$ 0.038 χ^2 /NDF: 563231.1/22

+ sign 247.249 $\pm$ 0.031 χ^2 /NDF: 11774276.1/56

All: 241.218 $\pm$ 0.021 χ^2 /NDF: 23188176.3/11

- sign 235.800 $\pm$ 0.029 χ^2 /NDF: 11339826.7/59

asym_bpm1i02WS_mean vs Slug



Right In: 4162.195 ± 32.329 $\chi^2/\text{NDF}: 82834.5/31$

Left Out: -4210.601 ± 30.828 $\chi^2/\text{NDF}: 56802.7/24$

Right Out: -5469.697 ± 30.831 $\chi^2/\text{NDF}: 107507.6/36$

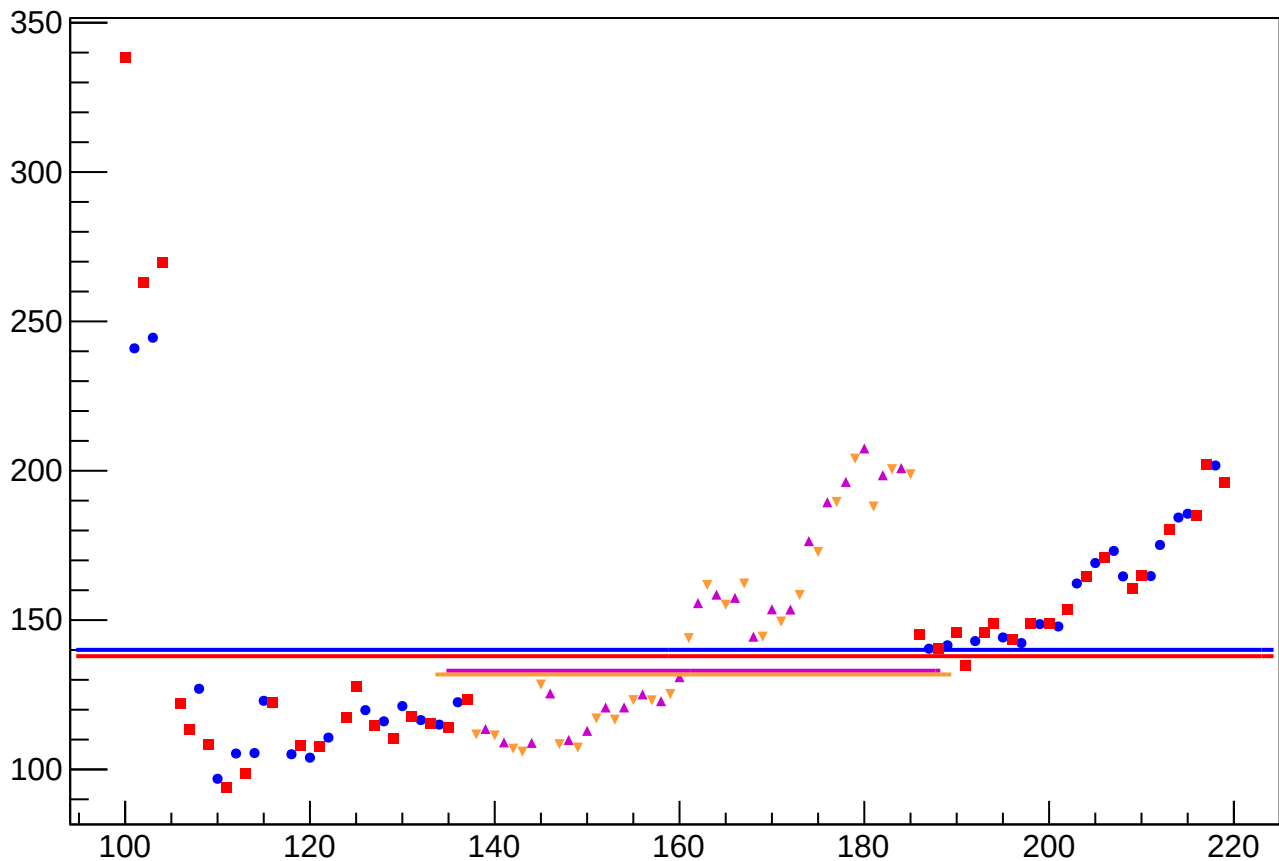
Left In: 5178.213 ± 31.969 $\chi^2/\text{NDF}: 18541.3/22$

+ sign -223.071 ± 22.311 $\chi^2/\text{NDF}: 174767.0/56$

All: -281.187 ± 15.734 $\chi^2/\text{NDF}: 358306.3/11$

- sign -338.687 ± 22.192 $\chi^2/\text{NDF}: 183525.8/59$

asym_bpm1i02WS_rms vs Slug



Right In: 140.042+/-0.023 χ^2/NDF : 1834750.7/31

Left Out: 131.798+/-0.022 χ^2/NDF : 1544340.3/24

Right Out: 137.919+/-0.022 χ^2/NDF : 2137321.3/36

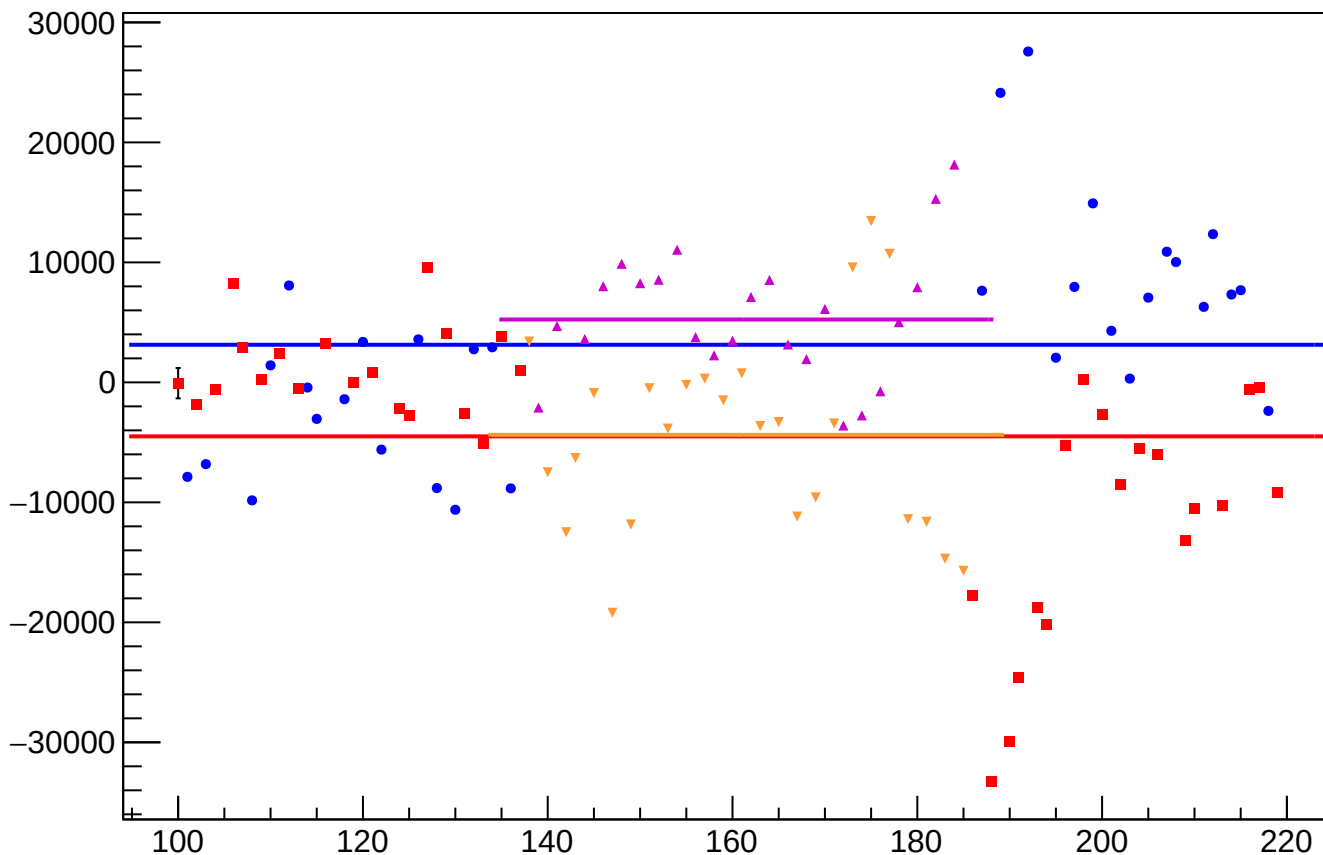
Left In: 133.061+/-0.023 χ^2/NDF : 1418252.2/22

+ sign 135.724+/-0.016 χ^2/NDF : 3447216.9/56

All: 135.651+/-0.011 χ^2/NDF : 7026758.7/116

- sign 135.578+/-0.016 χ^2/NDF : 3579498.8/59

asym_bpm1i04WS_mean vs Slug



Right In: 3133.742 ± 29.185 $\chi^2/\text{NDF}: 93681.7/31$

Left Out: -4372.743 ± 27.955 $\chi^2/\text{NDF}: 67218.5/24$

Right Out: -4499.953 ± 27.957 $\chi^2/\text{NDF}: 117613.1/36$

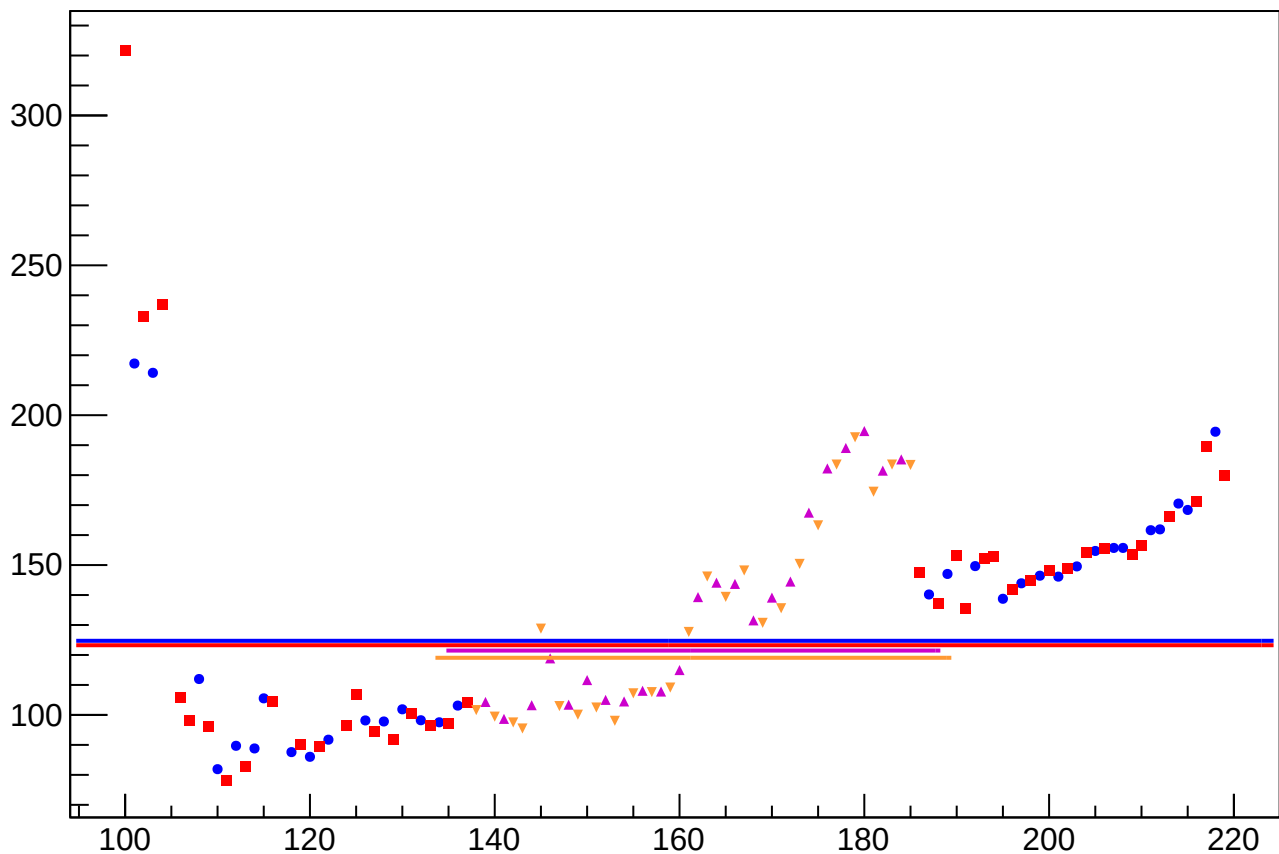
Left In: 5239.784 ± 29.252 $\chi^2/\text{NDF}: 22273.2/22$

+ sign -780.944 ± 20.188 $\chi^2/\text{NDF}: 195400.5/56$

All: -316.194 ± 14.283 $\chi^2/\text{NDF}: 394288.2/11$

- sign 149.603 ± 20.211 $\chi^2/\text{NDF}: 197826.6/59$

asym_bpm1i04WS_rms vs Slug



Right In: 124.730+/-0.021 χ^2/NDF : 2702510.9/31

Left Out: 119.064+/-0.020 χ^2/NDF : 1755428.3/24

Right Out: 123.252+/-0.020 χ^2/NDF : 3129638.5/36

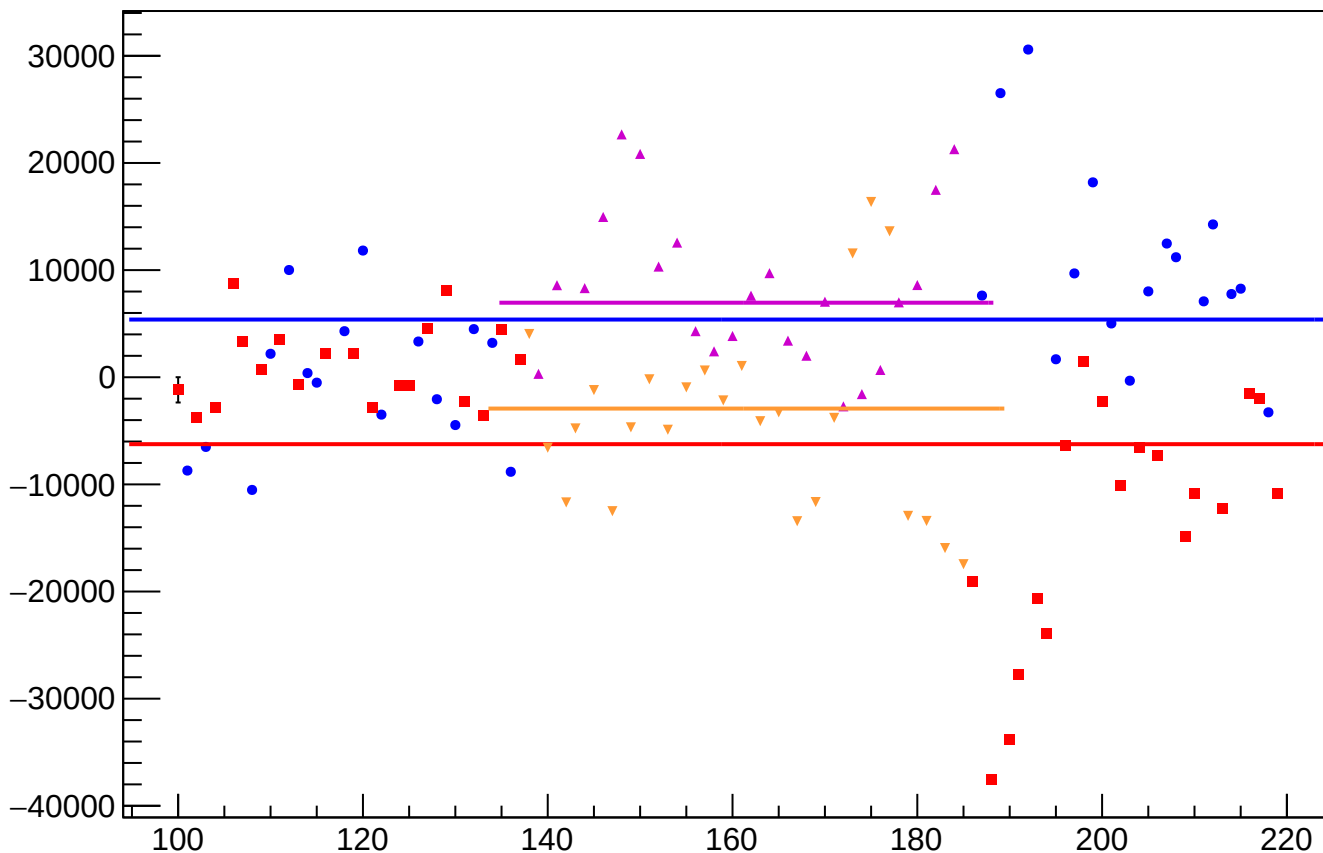
Left In: 121.468+/-0.021 χ^2/NDF : 1529379.8/22

+ sign 121.775+/-0.014 χ^2/NDF : 4497247.4/56

All: 122.087+/-0.010 χ^2/NDF : 9161111.5/116

- sign 122.400+/-0.014 χ^2/NDF : 4662906.5/59

asym_bpm1i06WS_mean vs Slug



Right In: 5385.682 ± 38.174 $\chi^2/\text{NDF}: 66195.5/31$

Left Out: -2923.060 ± 38.185 $\chi^2/\text{NDF}: 38052.4/24$

Right Out: -6245.901 ± 36.622 $\chi^2/\text{NDF}: 96419.2/36$

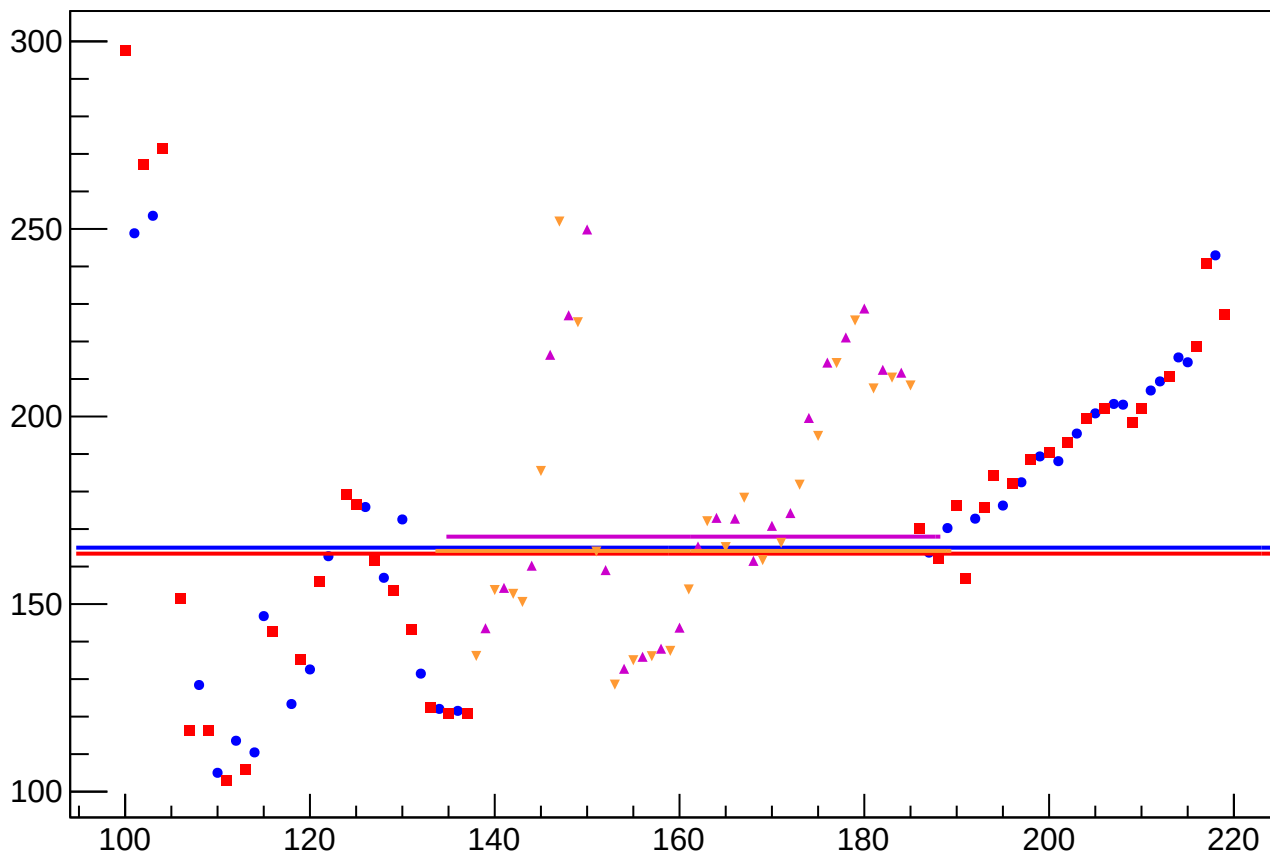
Left In: 6956.884 ± 40.245 $\chi^2/\text{NDF}: 22339.0/22$

+ sign 1232.451 ± 26.997 $\chi^2/\text{NDF}: 127927.7/56$

All: 486.013 ± 19.121 $\chi^2/\text{NDF}: 307092.5/116$

- sign -265.365 ± 27.086 $\chi^2/\text{NDF}: 177630.9/59$

asym_bpm1i06WS_rms vs Slug



Right In: 165.041 ± 0.027 χ^2/NDF : 2188154.6/31

Left Out: 164.172 ± 0.027 χ^2/NDF : 1224405.6/24

Right Out: 163.446 ± 0.026 χ^2/NDF : 2440322.0/36

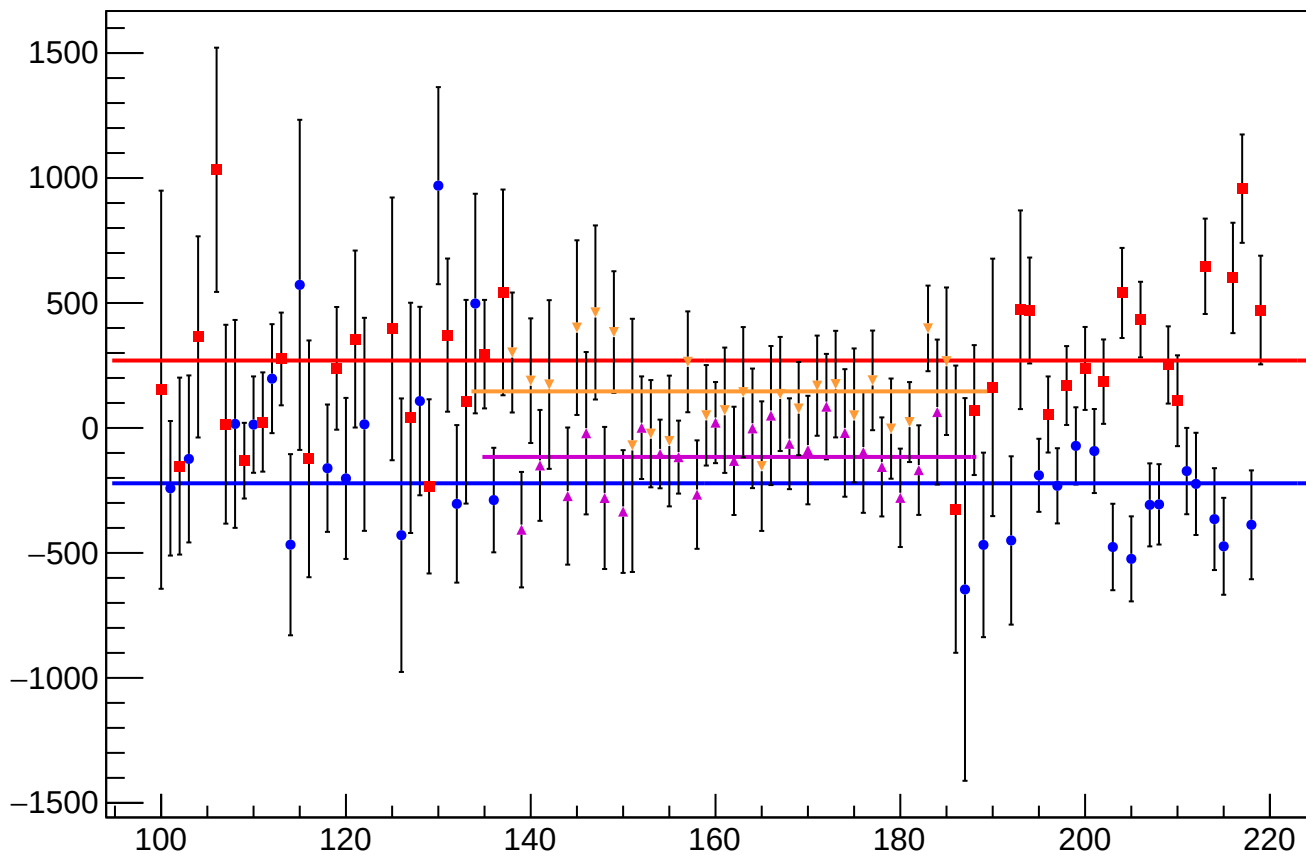
Left In: 167.975 ± 0.028 χ^2/NDF : 1222745.4/22

+ sign 164.607 ± 0.019 χ^2/NDF : 3413078.1/56

All: 165.051 ± 0.014 χ^2/NDF : 7091086.4/116

- sign 165.498 ± 0.019 χ^2/NDF : 3676923.3/59

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -221.397 ± 39.836 χ^2/NDF : 32.3/31

Left Out: 146.352 ± 46.929 χ^2/NDF : 10.0/23

Right Out: 269.803 ± 39.055 χ^2/NDF : 43.6/34

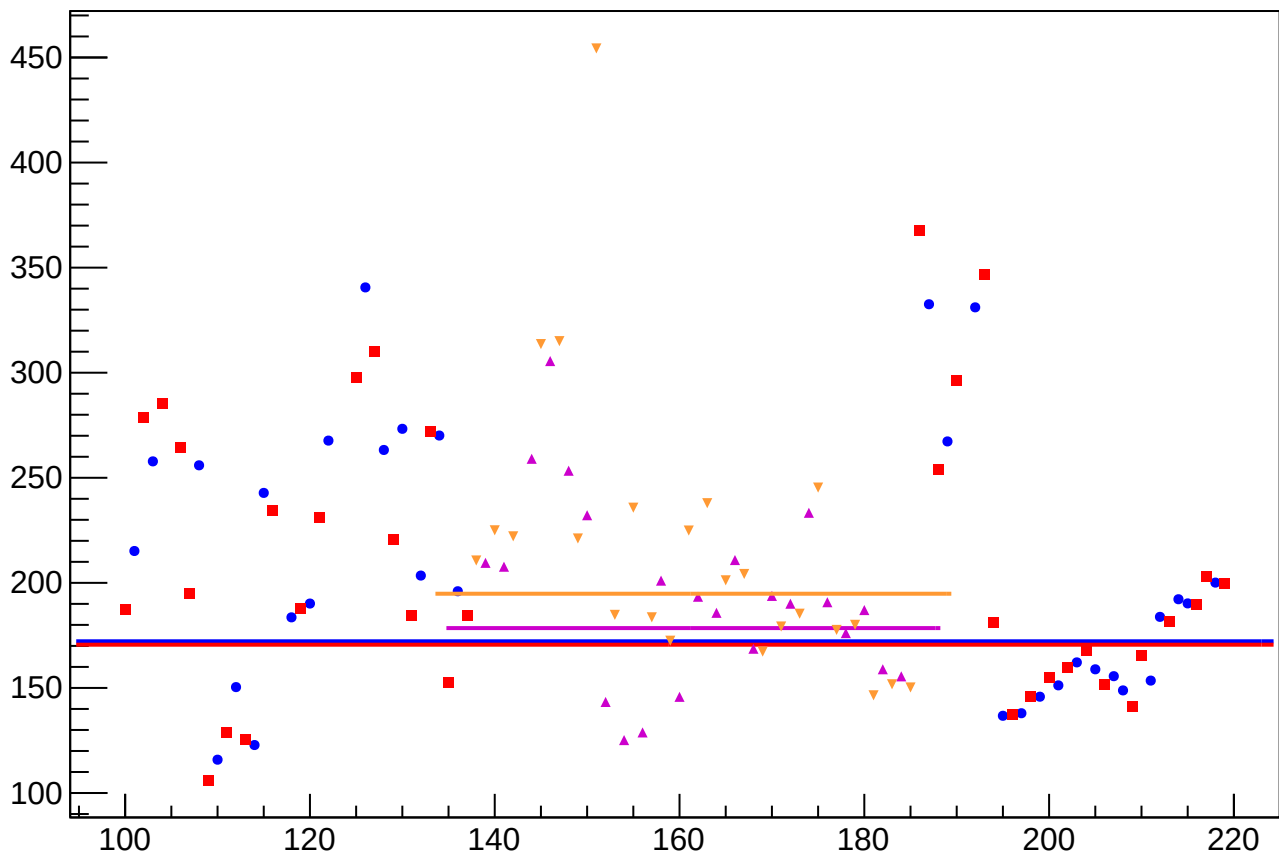
Left In: -115.974 ± 43.605 χ^2/NDF : 7.6/22

+ sign -67.385 ± 30.370 χ^2/NDF : 77.9/55

All: 18.902 ± 21.008 χ^2/NDF : 188.0/113

- sign 98.081 ± 29.092 χ^2/NDF : 94.7/57

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 172.201 $\pm$ 0.028 χ^2 /NDF: 2364448.1/31

Left Out: 194.828 $\pm$ 0.033 χ^2 /NDF:1752475.1/23

Right Out: 170.576 $\pm$ 0.028 χ^2 /NDF: 2929160.8/34

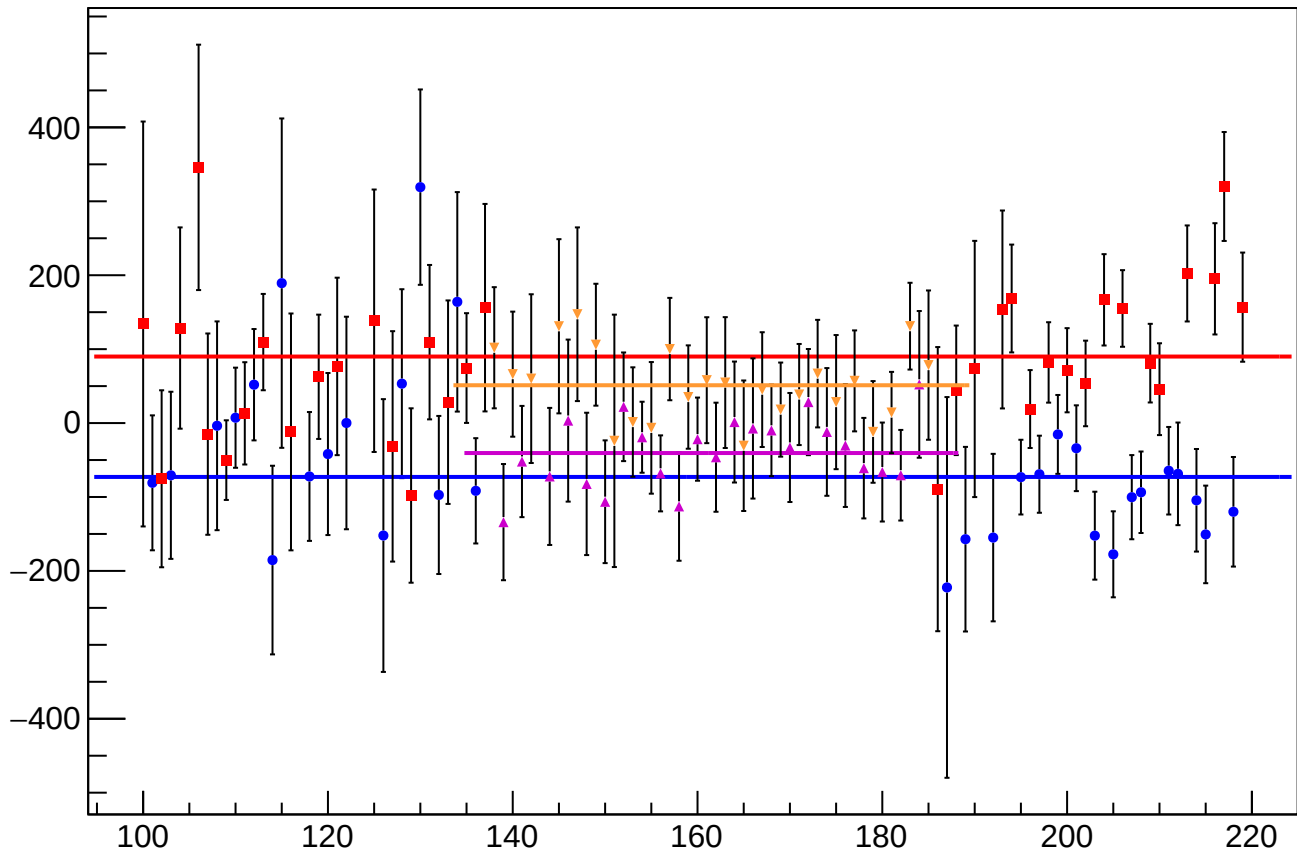
Left In: 178.475 $\pm$ 0.031 χ^2 /NDF:1676266.4/22

+ sign 181.677 $\pm$ 0.021 χ^2 /NDF: 4387170.2/55

All: 177.722 $\pm$ 0.015 χ^2 /NDF: 9094076.4/113

- sign 174.092 $\pm$ 0.021 χ^2 /NDF: 4641849.9/57

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -72.870 ± 13.662 χ^2/NDF : 29.9/31

Left Out: 51.161 ± 16.037 χ^2/NDF : 8.1/23

Right Out: 89.989 ± 13.416 χ^2/NDF : 41.4/34

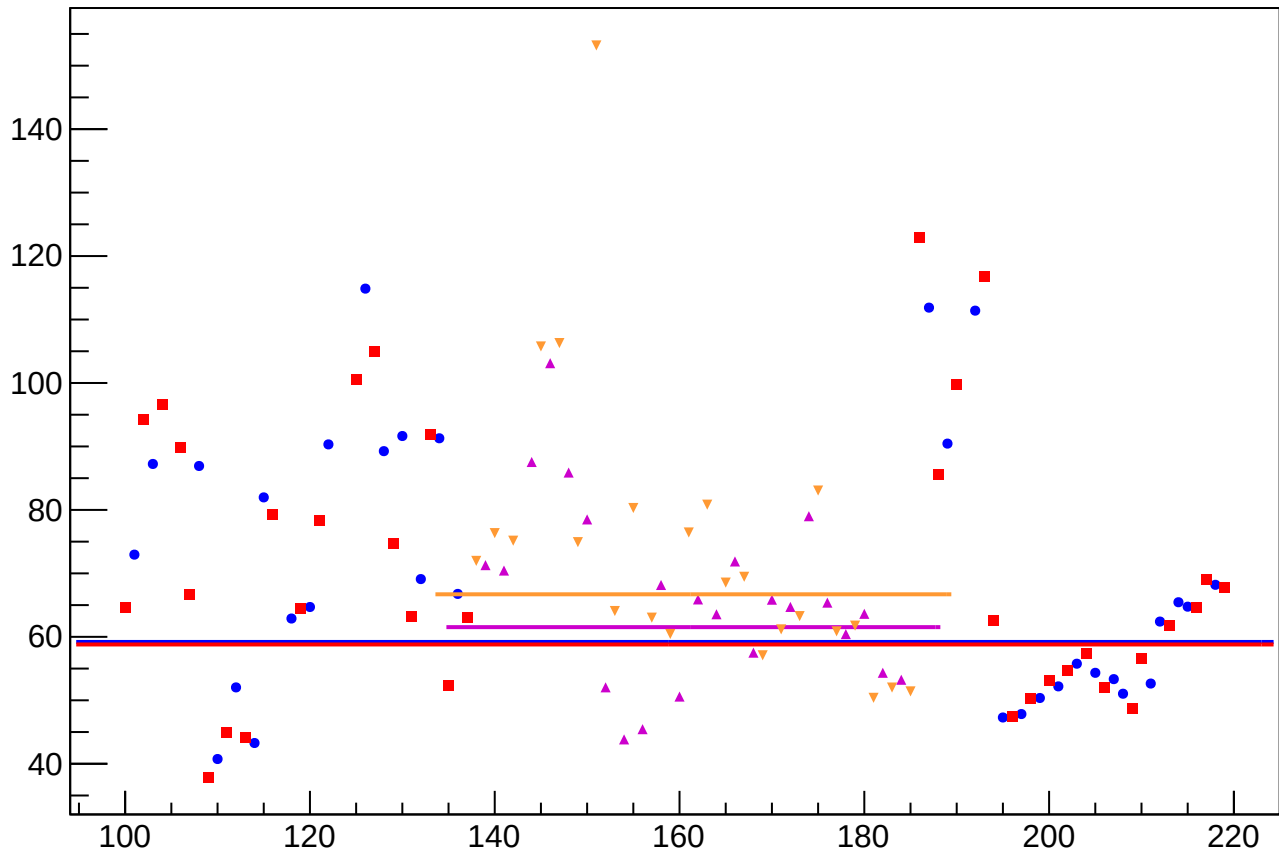
Left In: -40.540 ± 14.978 χ^2/NDF : 7.9/22

+ sign -20.712 ± 10.400 χ^2/NDF : 72.6/55

All: 6.632 ± 7.206 χ^2/NDF : 177.3/113

- sign 31.880 ± 9.993 χ^2/NDF : 91.4/57

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 59.193 ± 0.010 χ^2/NDF : 2211001.9/31

Left Out: 66.703 ± 0.011 χ^2/NDF : 1676329.9/23

Right Out: 58.798 ± 0.009 χ^2/NDF : 2714046.1/34

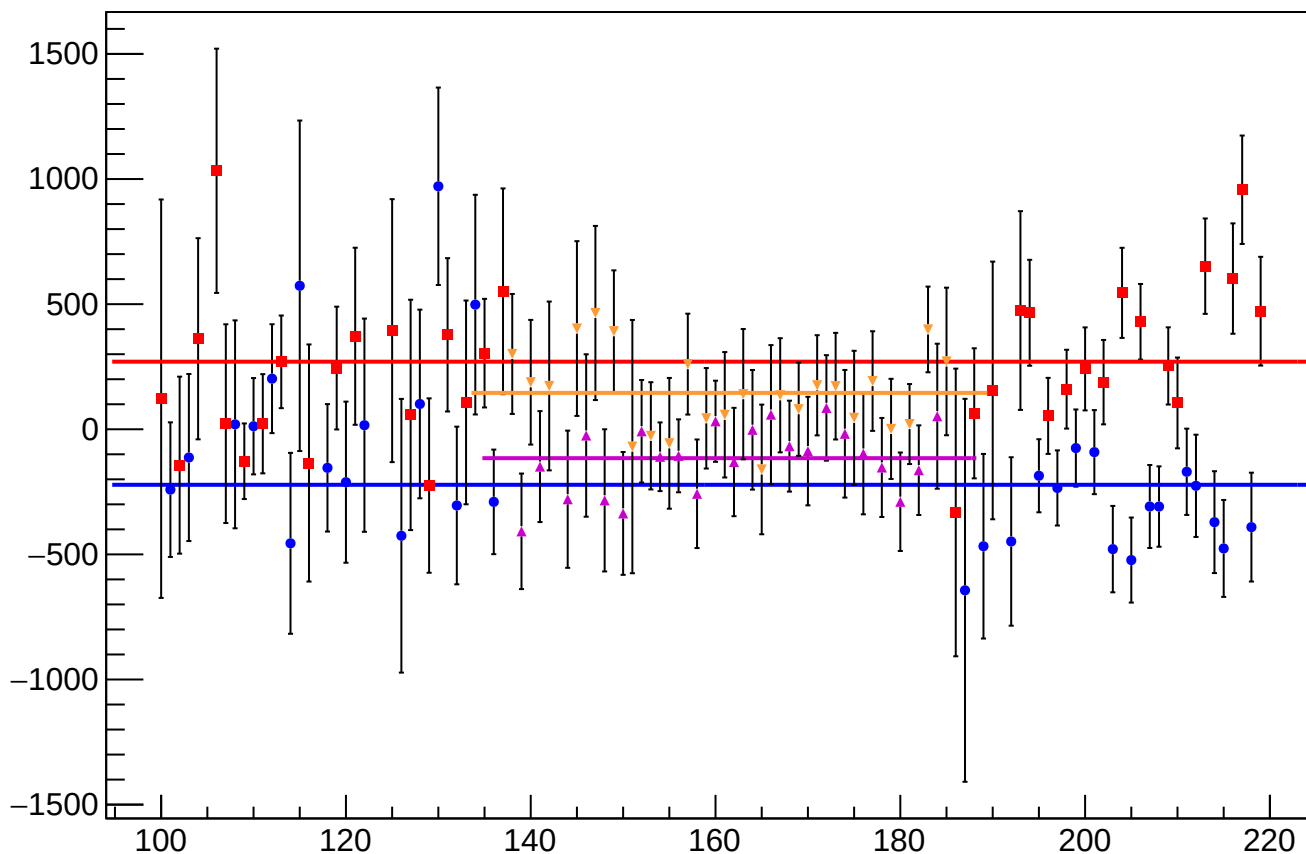
Left In: 61.529 ± 0.011 χ^2/NDF : 1489848.4/22

+ sign 62.351 ± 0.007 χ^2/NDF : 4141453.7/55

All: 61.136 ± 0.005 χ^2/NDF : 8434757.3/113

- sign 60.014 ± 0.007 χ^2/NDF : 4240770.8/57

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -221.854 ± 39.786 χ^2/NDF : 32.5/31

Left Out: 145.476 ± 46.889 χ^2/NDF : 10.2/23

Right Out: 270.151 ± 39.007 χ^2/NDF : 43.8/34

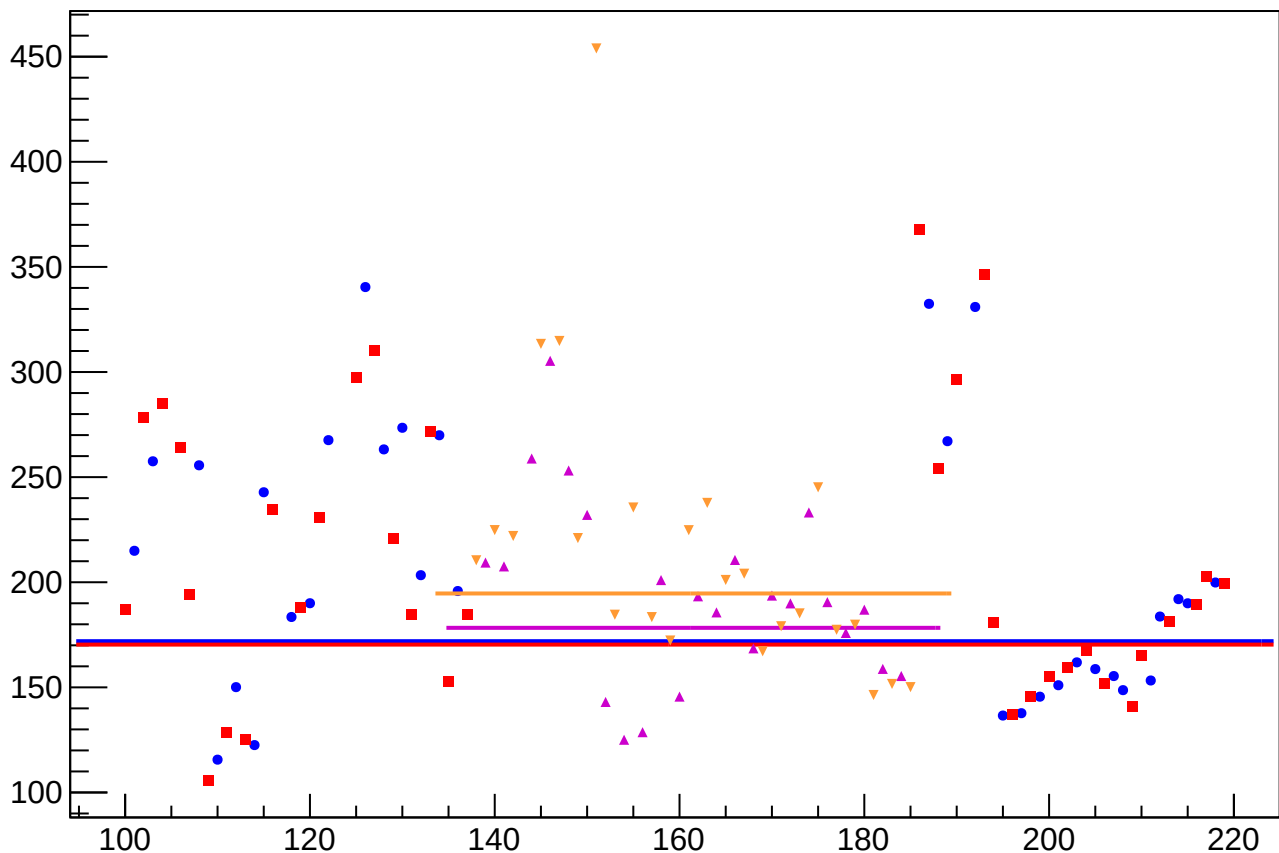
Left In: -115.487 ± 43.568 χ^2/NDF : 7.8/22

+ sign -68.091 ± 30.337 χ^2/NDF : 78.4/55

All: 18.817 ± 20.986 χ^2/NDF : 189.3/113

- sign 98.570 ± 29.061 χ^2/NDF : 95.1/57

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 171.968 $\pm$ 0.028 χ^2 /NDF: 2371091.2/31

Left Out: 194.659 $\pm$ 0.033 χ^2 /NDF:1753119.9/23

Right Out: 170.342 $\pm$ 0.028 χ^2 /NDF: 2937931.6/34

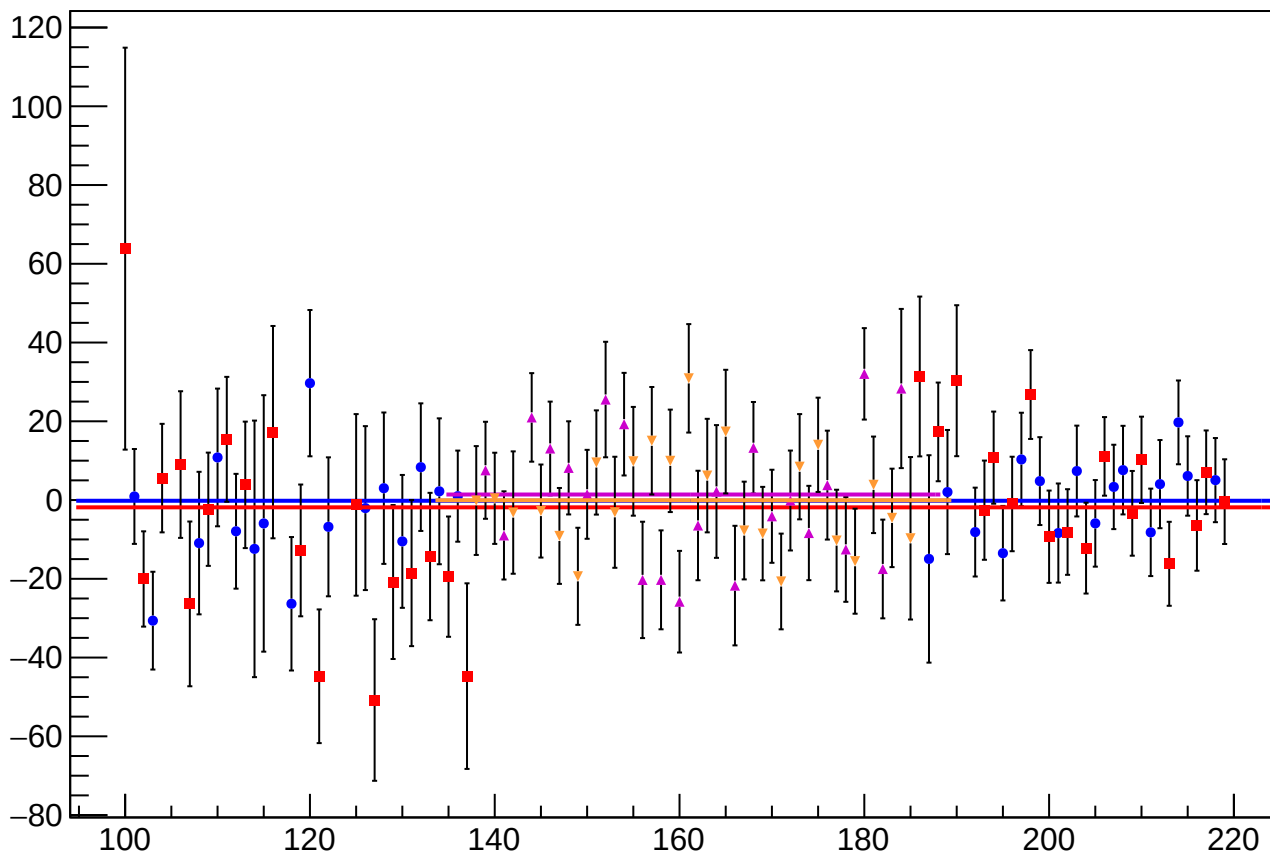
Left In: 178.318 $\pm$ 0.031 χ^2 /NDF:1678336.4/22

+ sign 181.466 $\pm$ 0.021 χ^2 /NDF: 4396535.4/55

All: 177.516 $\pm$ 0.015 χ^2 /NDF: 9115049.8/113

- sign 173.891 $\pm$ 0.021 χ^2 /NDF: 4653475.4/57

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -0.182 ± 2.382 χ^2/NDF : 22.6/31

Left Out: -0.047 ± 2.685 χ^2/NDF : 20.5/23

Right Out: -1.851 ± 2.341 χ^2/NDF : 49.8/34

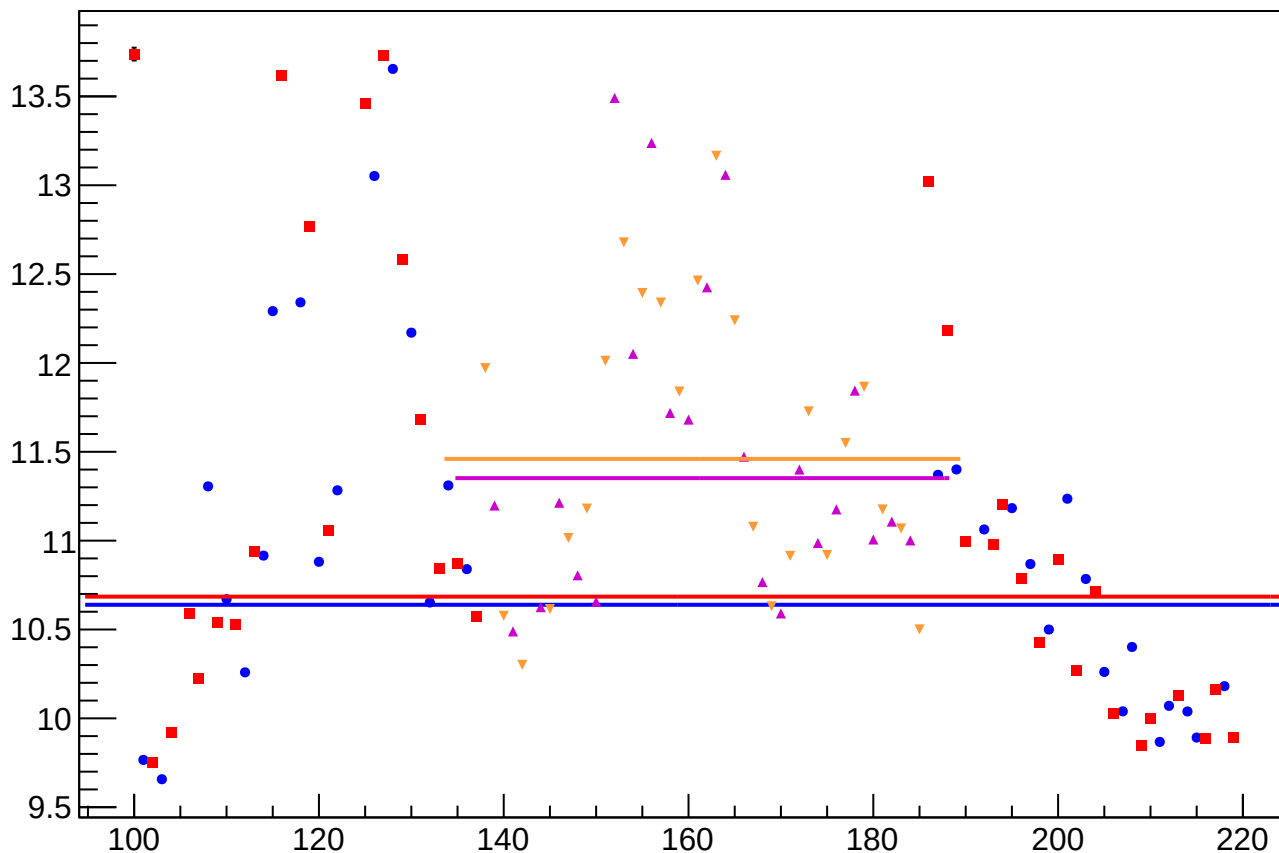
Left In: 1.407 ± 2.674 χ^2/NDF : 36.3/22

+ sign -0.122 ± 1.782 χ^2/NDF : 43.1/55

All: -0.282 ± 1.253 χ^2/NDF : 130.1/113

- sign -0.437 ± 1.761 χ^2/NDF : 87.0/57

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.639 ± 0.002 χ^2/NDF : 215720.5/31

Left Out: 11.460 ± 0.002 χ^2/NDF : 150430.0/23

Right Out: 10.685 ± 0.002 χ^2/NDF : 306057.9/34

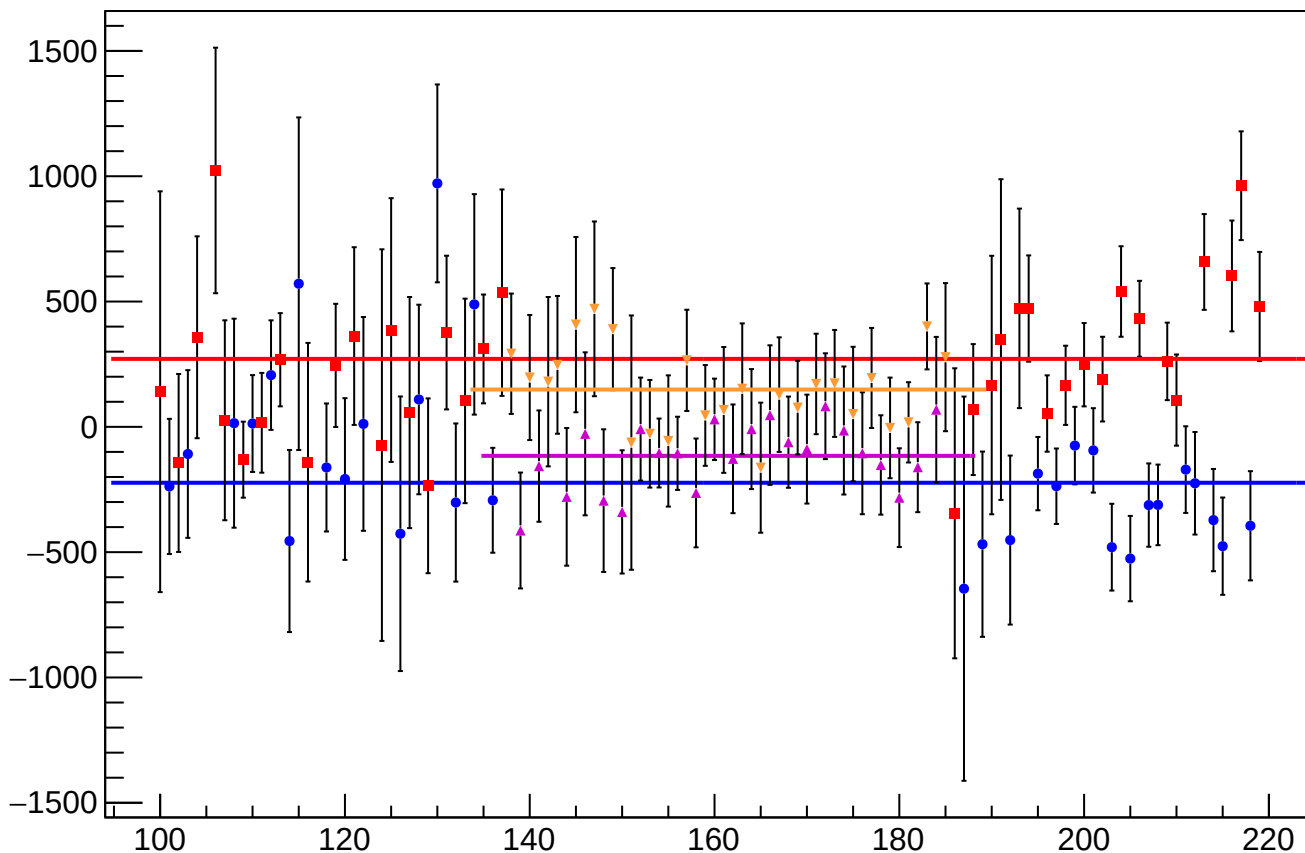
Left In: 11.352 ± 0.002 χ^2/NDF : 170563.6/22

+ sign 11.001 ± 0.001 χ^2/NDF : 470779.0/55

All: 10.987 ± 0.001 χ^2/NDF : 1018037.1/113

- sign 10.974 ± 0.001 χ^2/NDF : 547034.8/57

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -223.061 ± 39.885 χ^2/NDF : 32.5/31

Left Out: 148.905 ± 46.306 χ^2/NDF : 10.5/24

Right Out: 271.248 ± 38.988 χ^2/NDF : 44.2/36

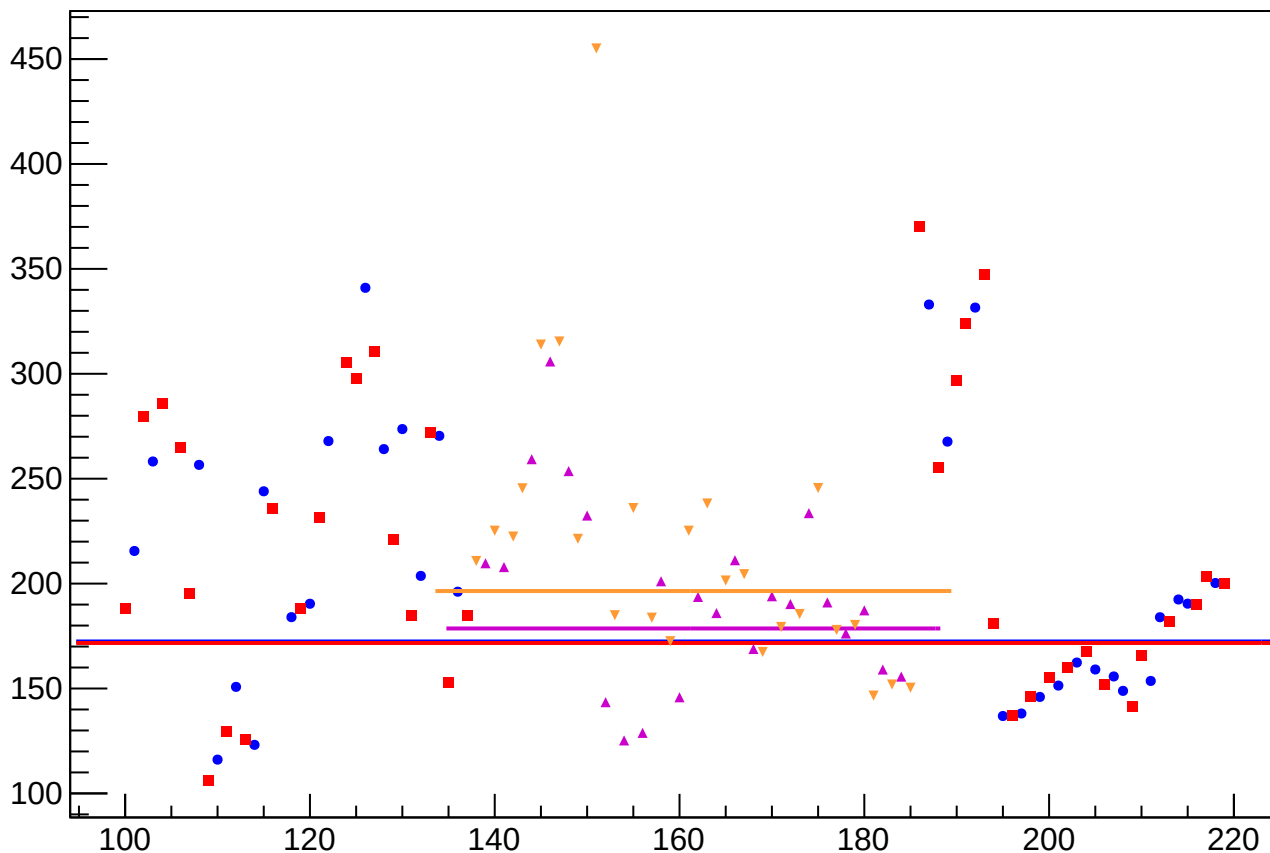
Left In: -115.709 ± 43.641 χ^2/NDF : 7.8/22

+ sign -64.638 ± 30.220 χ^2/NDF : 80.1/56

All: 20.594 ± 20.952 χ^2/NDF : 191.1/116

- sign 99.489 ± 29.075 χ^2/NDF : 95.7/59

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 172.407 ± 0.028 χ^2/NDF : 2366105.2/31

Left Out: 196.454 ± 0.033 χ^2/NDF : 1818746.1/24

Right Out: 171.702 ± 0.028 χ^2/NDF : 3107446.0/36

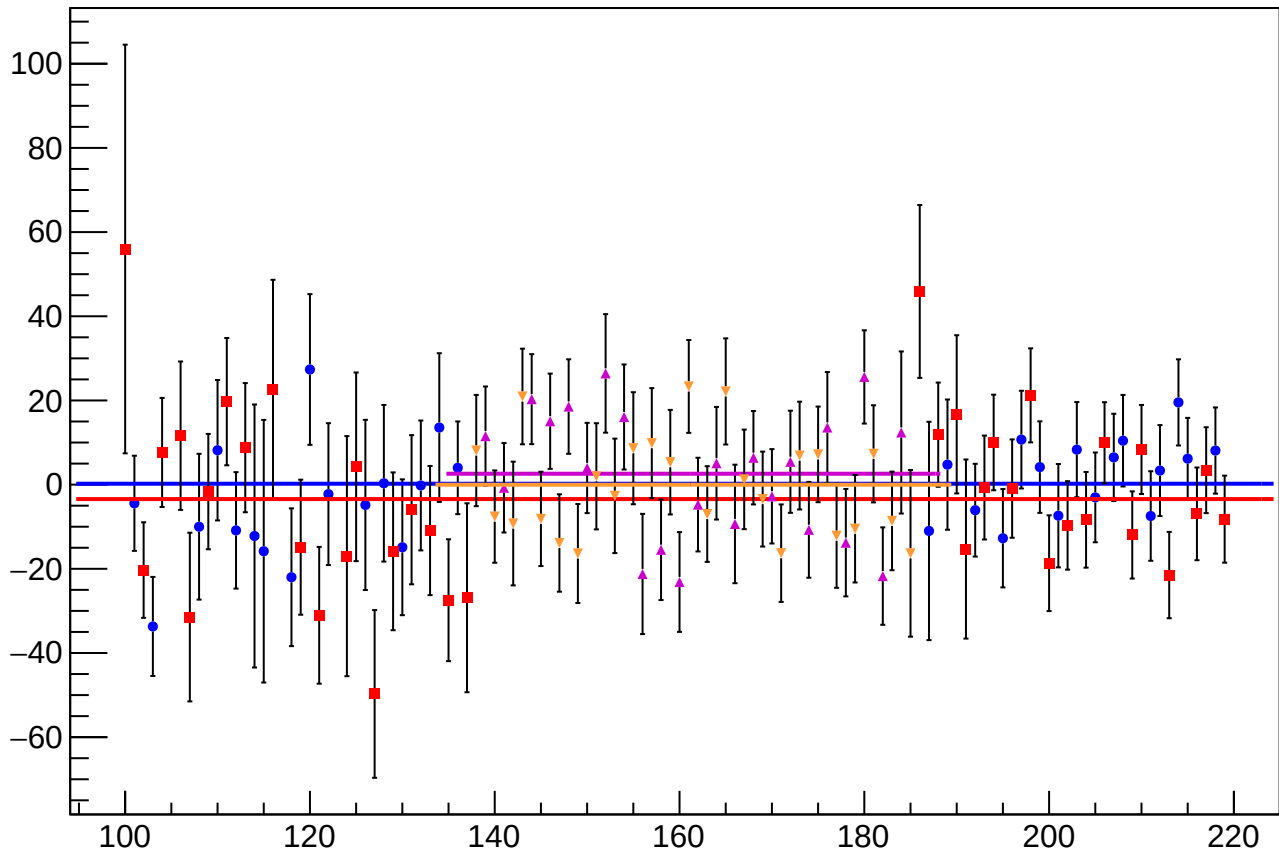
Left In: 178.614 ± 0.031 χ^2/NDF : 1678859.8/22

+ sign 182.649 ± 0.021 χ^2/NDF : 4494503.1/56

All: 178.557 ± 0.015 χ^2/NDF : 9379297.7/116

- sign 174.770 ± 0.021 χ^2/NDF : 4814203.6/59

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: 0.214 $\pm$ 2.296 χ^2/NDF : 26.1/31

Left Out: -0.018 $\pm$ 2.445 χ^2/NDF : 23.7/24

Right Out: -3.428 $\pm$ 2.238 χ^2/NDF : 50.0/36

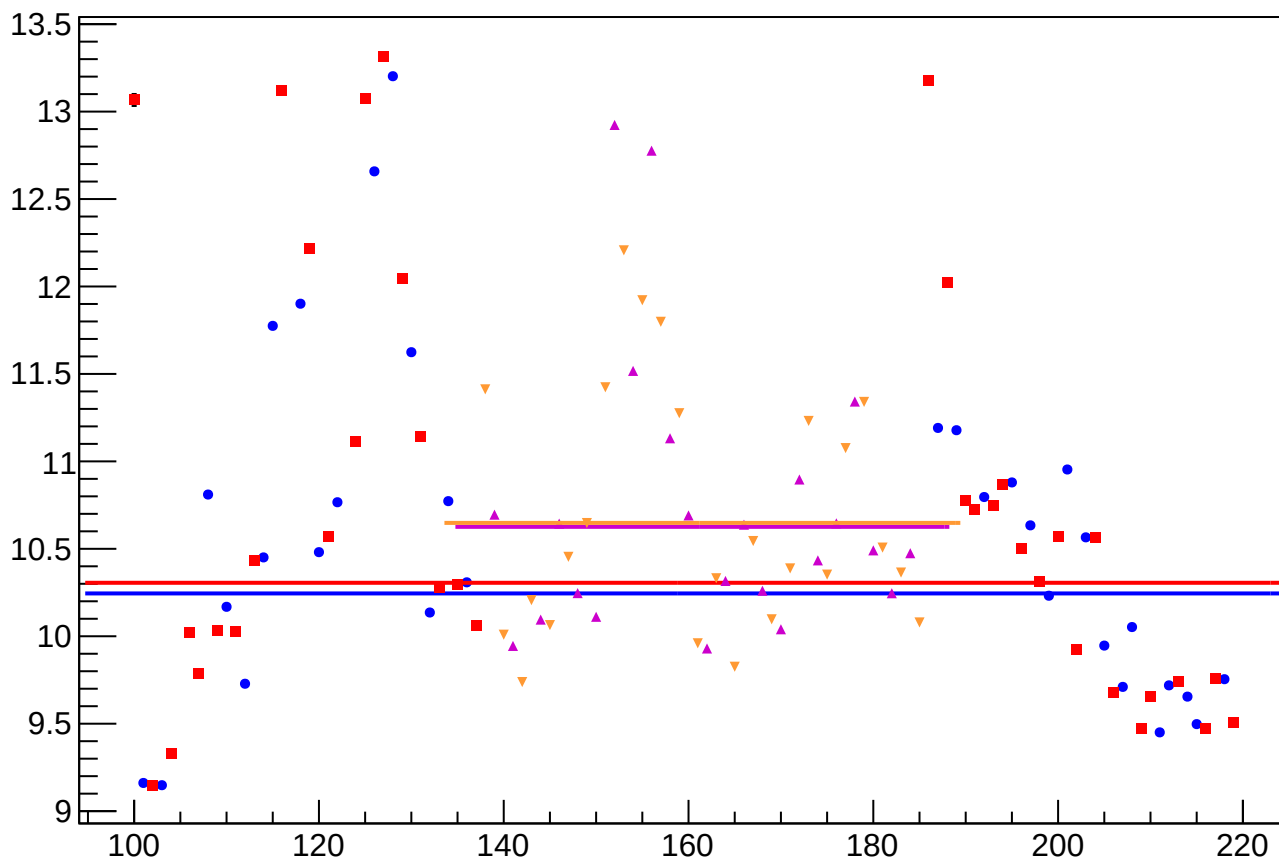
Left In: 2.591 $\pm$ 2.506 χ^2/NDF : 34.8/22

+ sign 0.105 $\pm$ 1.674 χ^2/NDF : 49.8/56

All: -0.327 $\pm$ 1.182 χ^2/NDF : 137.9/116

- sign -0.757 $\pm$ 1.669 χ^2/NDF : 87.9/59

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.245 $\pm$ 0.002 χ^2 /NDF: 241862.1/31

Left Out: 10.648 $\pm$ 0.002 χ^2 /NDF:143535.9/24

Right Out: 10.306 $\pm$ 0.002 χ^2 /NDF: 351007.5/36

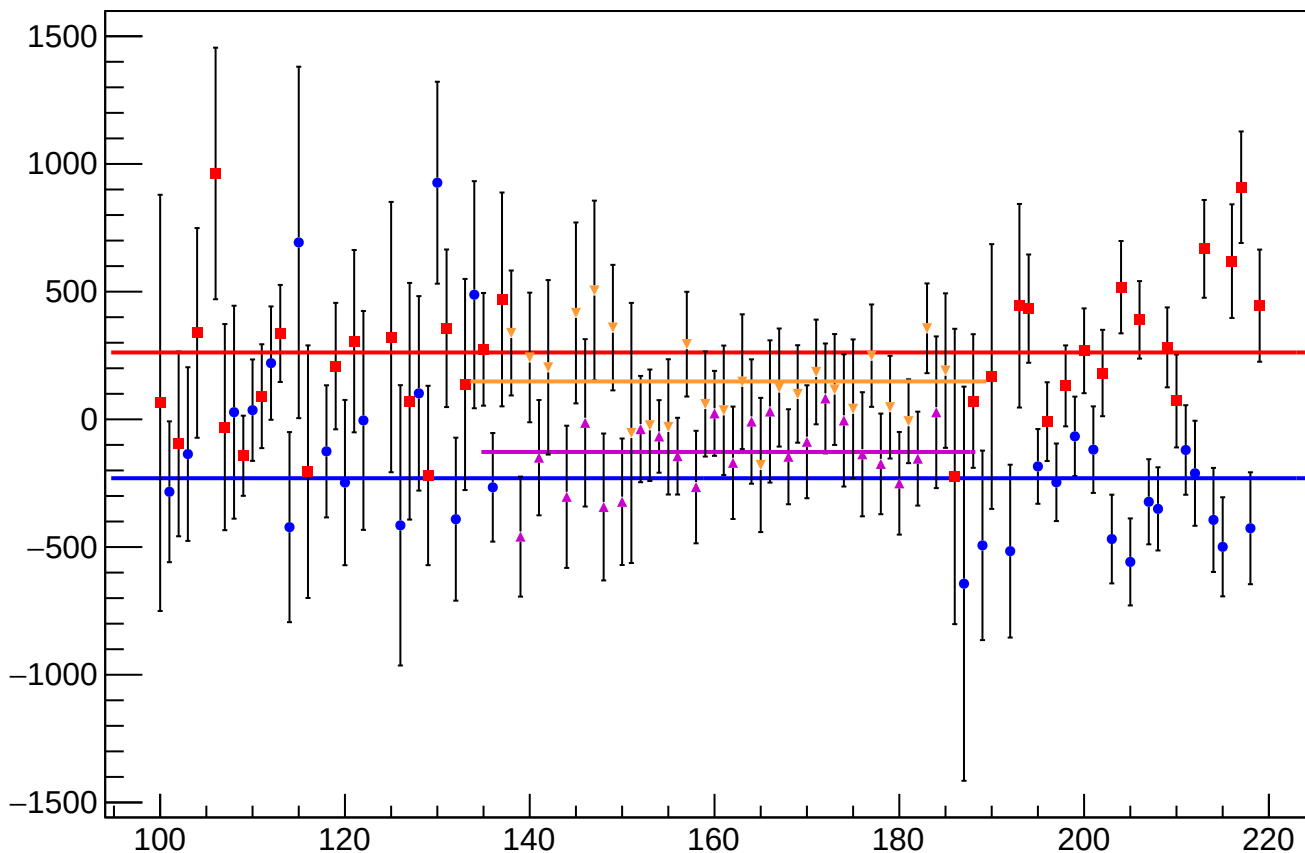
Left In: 10.626 $\pm$ 0.002 χ^2 /NDF:159543.1/22

+ sign 10.434 $\pm$ 0.001 χ^2 /NDF: 414333.3/56

All: 10.441 $\pm$ 0.001 χ^2 /NDF: 943082.4/116

- sign 10.448 $\pm$ 0.001 χ^2 /NDF: 528680.6/59

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -230.479 ± 40.193 χ^2/NDF : 34.6/31

Left Out: 148.441 ± 47.720 χ^2/NDF : 9.9/23

Right Out: 261.932 ± 39.458 χ^2/NDF : 41.1/34

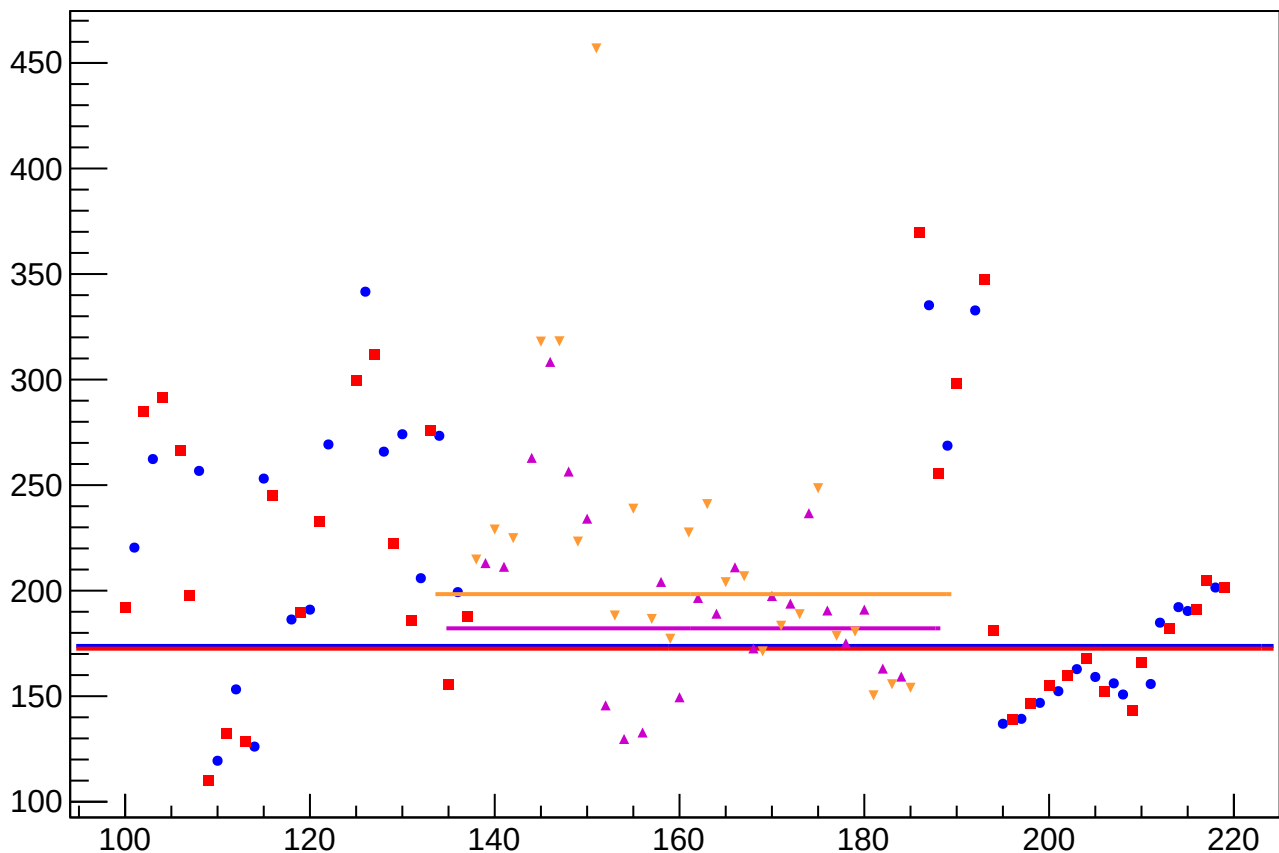
Left In: -127.710 ± 44.426 χ^2/NDF : 7.8/22

+ sign -73.227 ± 30.742 χ^2/NDF : 81.4/55

All: 11.800 ± 21.286 χ^2/NDF : 188.0/113

- sign 90.107 ± 29.502 χ^2/NDF : 91.9/57

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 173.804 ± 0.028 χ^2/NDF : 2347149.8/31

Left Out: 198.351 ± 0.034 χ^2/NDF : 1697058.2/23

Right Out: 172.518 ± 0.028 χ^2/NDF : 2866746.7/34

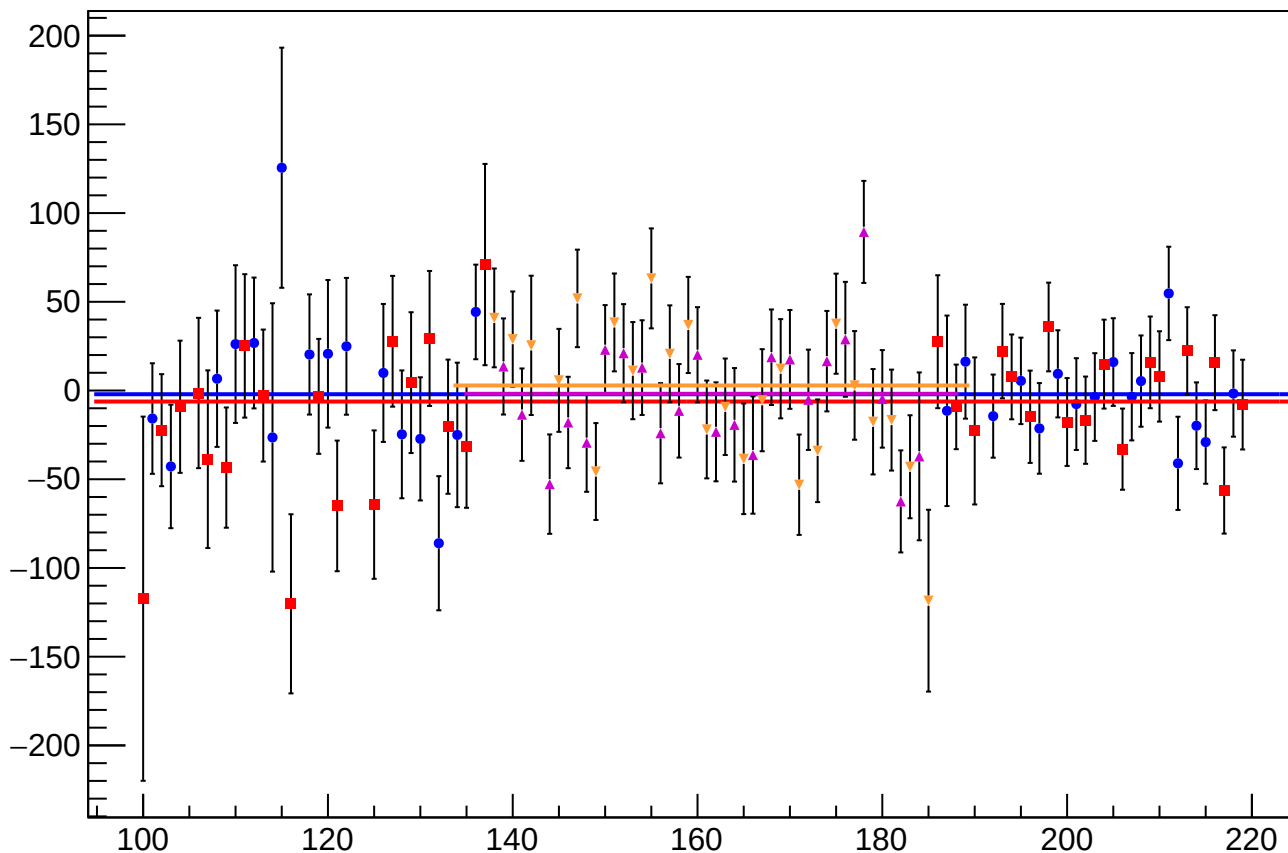
Left In: 182.150 ± 0.031 χ^2/NDF : 1584358.1/22

+ sign 183.991 ± 0.022 χ^2/NDF : 4353791.4/55

All: 180.230 ± 0.015 χ^2/NDF : 8914964.4/113

- sign 176.766 ± 0.021 χ^2/NDF : 4503657.0/57

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -2.090 $\pm$ 5.323 χ^2/NDF : 27.7/31

Left Out: 2.851 $\pm$ 5.904 χ^2/NDF : 36.9/23

Right Out: -6.205 $\pm$ 5.200 χ^2/NDF : 32.8/34

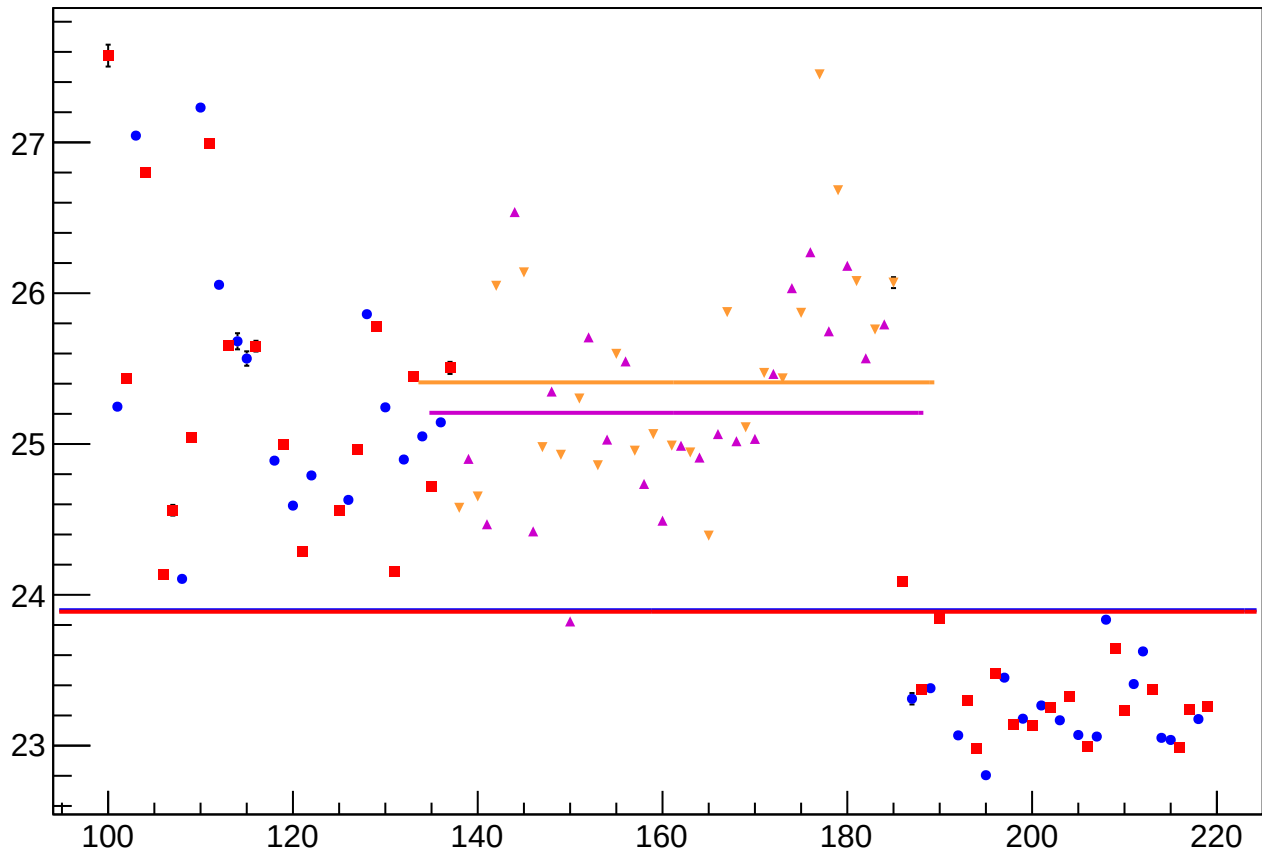
Left In: -1.850 $\pm$ 5.893 χ^2/NDF : 28.1/22

+ sign 0.126 $\pm$ 3.954 χ^2/NDF : 65.0/55

All: -2.117 $\pm$ 2.776 χ^2/NDF : 126.8/113

- sign -4.298 $\pm$ 3.899 χ^2/NDF : 61.2/57

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 23.898 ± 0.004 χ^2/NDF : 85870.3/31

Left Out: 25.409 ± 0.004 χ^2/NDF : 26863.6/23

Right Out: 23.888 ± 0.004 χ^2/NDF : 78410.4/34

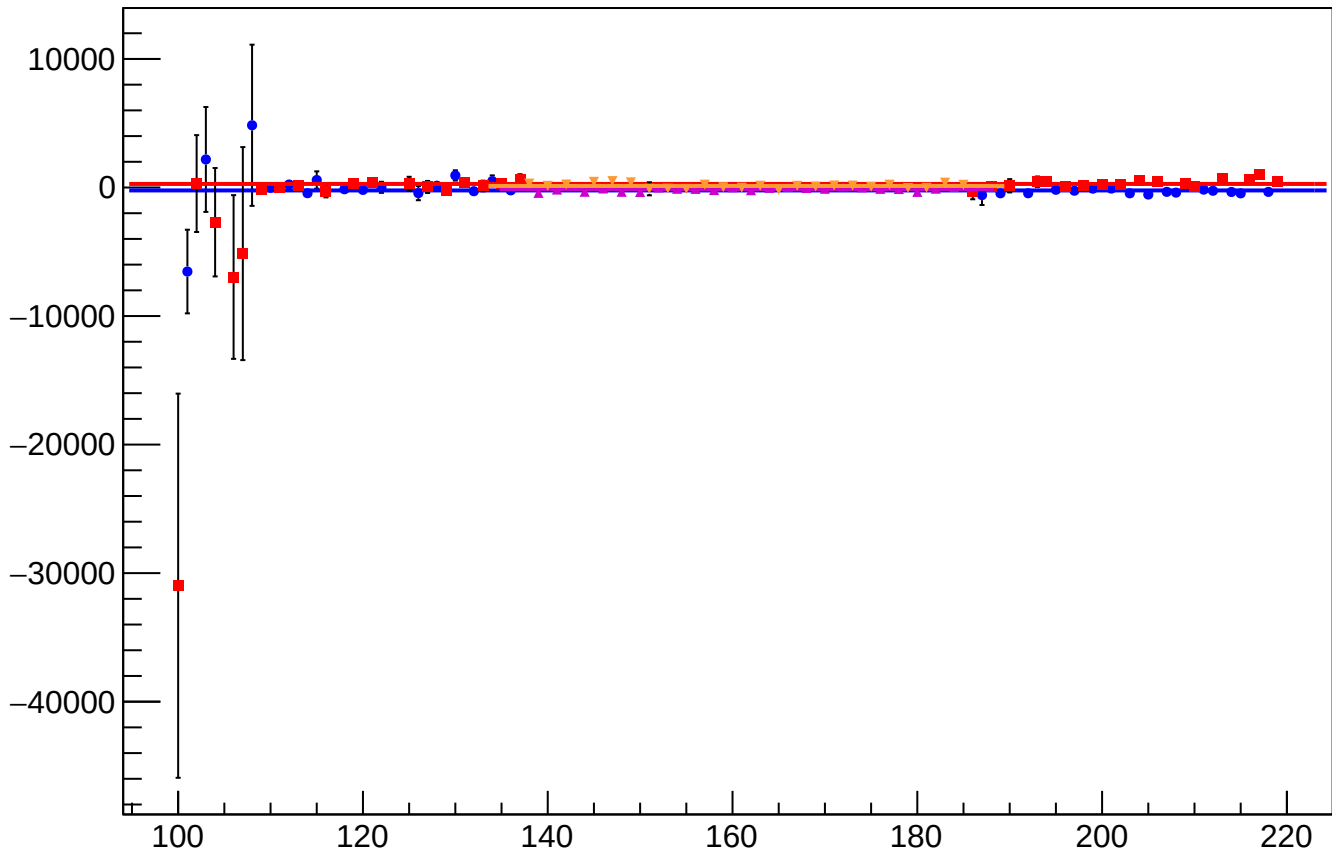
Left In: 25.207 ± 0.004 χ^2/NDF : 25827.4/22

+ sign 24.575 ± 0.003 χ^2/NDF : 184969.0/55

All: 24.520 ± 0.002 χ^2/NDF : 346316.3/113

- sign 24.465 ± 0.003 χ^2/NDF : 160561.7/57

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -227.501 ± 41.691 χ^2/NDF : 35.9/31

Left Out: 120.221 ± 47.440 χ^2/NDF : 11.9/23

Right Out: 277.772 ± 41.370 χ^2/NDF : 47.2/34

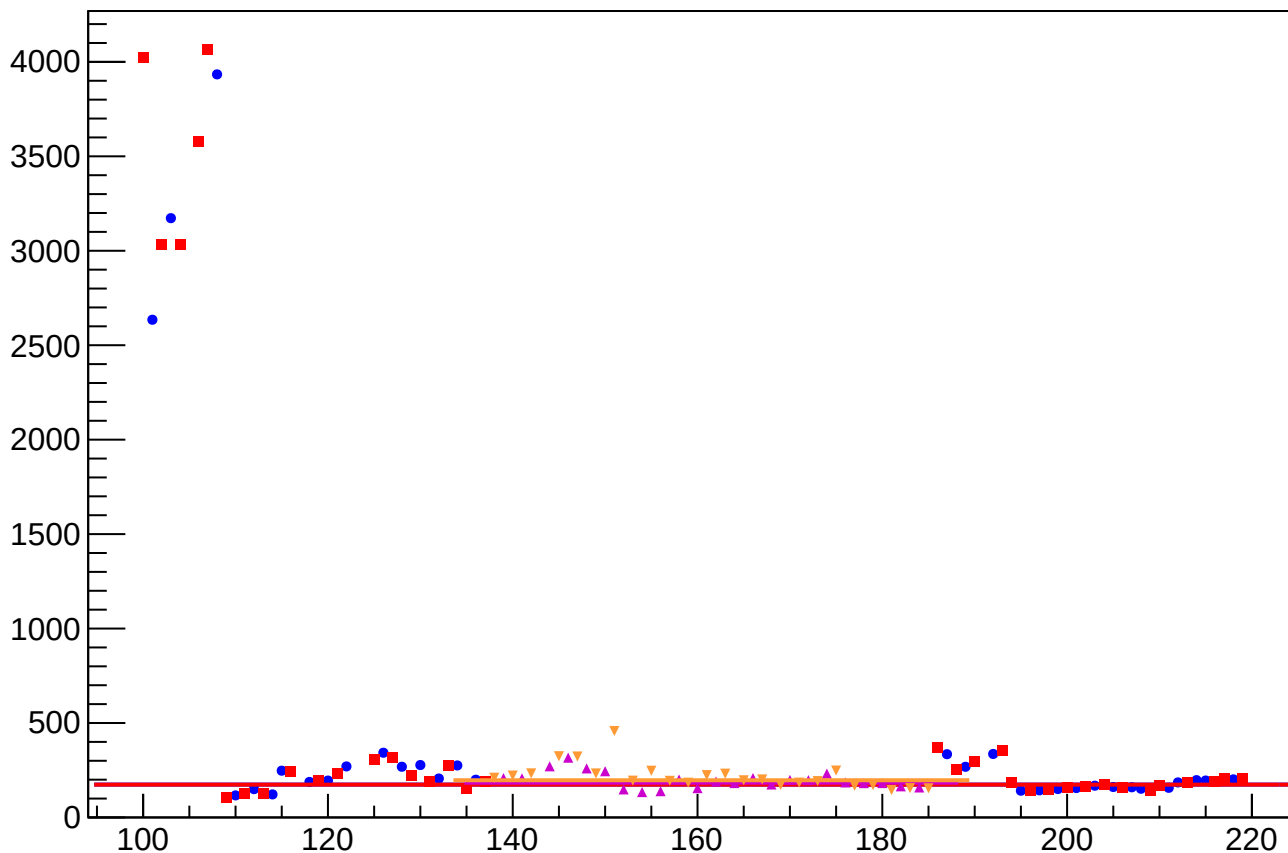
Left In: -116.243 ± 44.786 χ^2/NDF : 8.4/22

+ sign -75.978 ± 31.316 χ^2/NDF : 78.2/55

All: 12.783 ± 21.809 χ^2/NDF : 191.1/113

- sign 96.365 ± 30.389 χ^2/NDF : 97.4/57

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 174.010 $\pm$ 0.029 χ^2 /NDF: 4983632.2/31

Left Out: 196.935 $\pm$ 0.034 χ^2 /NDF:1809266.5/23

Right Out: 173.722 $\pm$ 0.029 χ^2 /NDF: 5544659.3/34

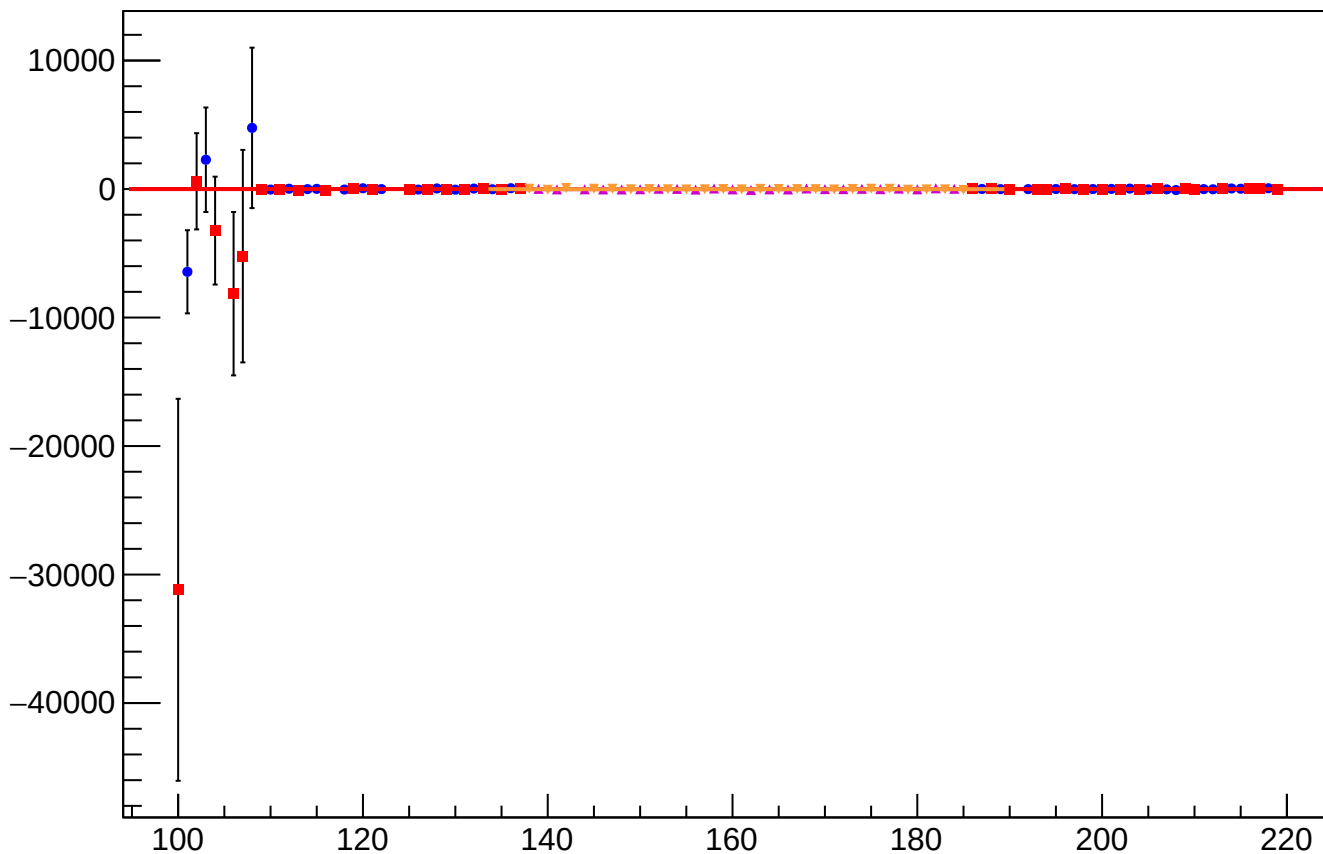
Left In: 184.051 $\pm$ 0.032 χ^2 /NDF:1445426.0/22

+ sign 184.000 $\pm$ 0.022 χ^2 /NDF: 7056418.5/55

All: 181.156 $\pm$ 0.015 χ^2 /NDF: 14135944.5/11

- sign 178.477 $\pm$ 0.021 χ^2 /NDF: 7047490.3/57

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 1.777 ± 6.318 χ^2/NDF : 38.2/31

Left Out: -11.111 ± 6.653 χ^2/NDF : 17.5/23

Right Out: -2.645 ± 6.269 χ^2/NDF : 40.9/34

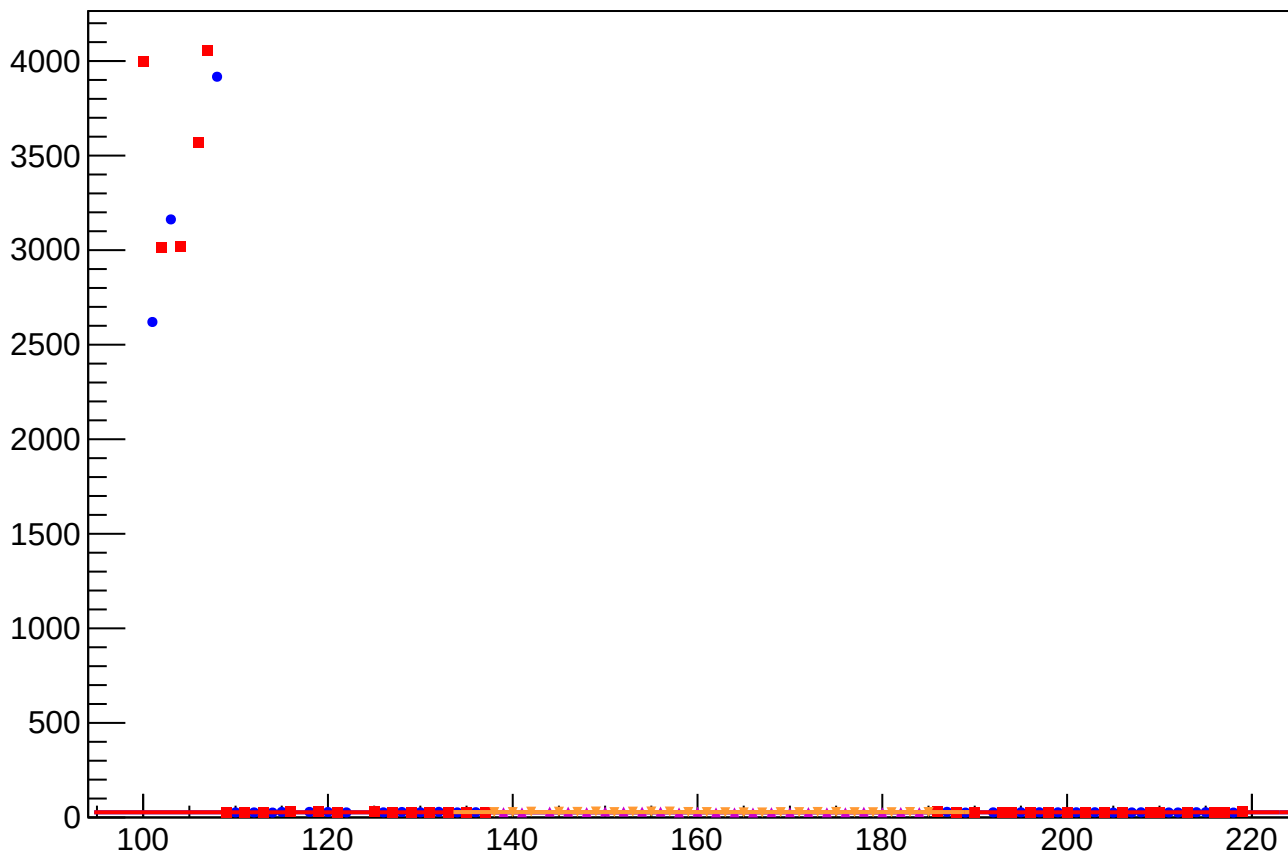
Left In: -2.576 ± 6.732 χ^2/NDF : 22.2/22

+ sign -4.334 ± 4.581 χ^2/NDF : 57.6/55

All: -3.475 ± 3.242 χ^2/NDF : 120.8/113

- sign -2.613 ± 4.588 χ^2/NDF : 63.1/57

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.196 $\pm$ 0.004 χ^2 /NDF: 3295459.4/31

Left Out: 28.592 $\pm$ 0.005 χ^2 /NDF: 80997.4/23

Right Out: 27.322 $\pm$ 0.004 χ^2 /NDF: 3625054.1/34

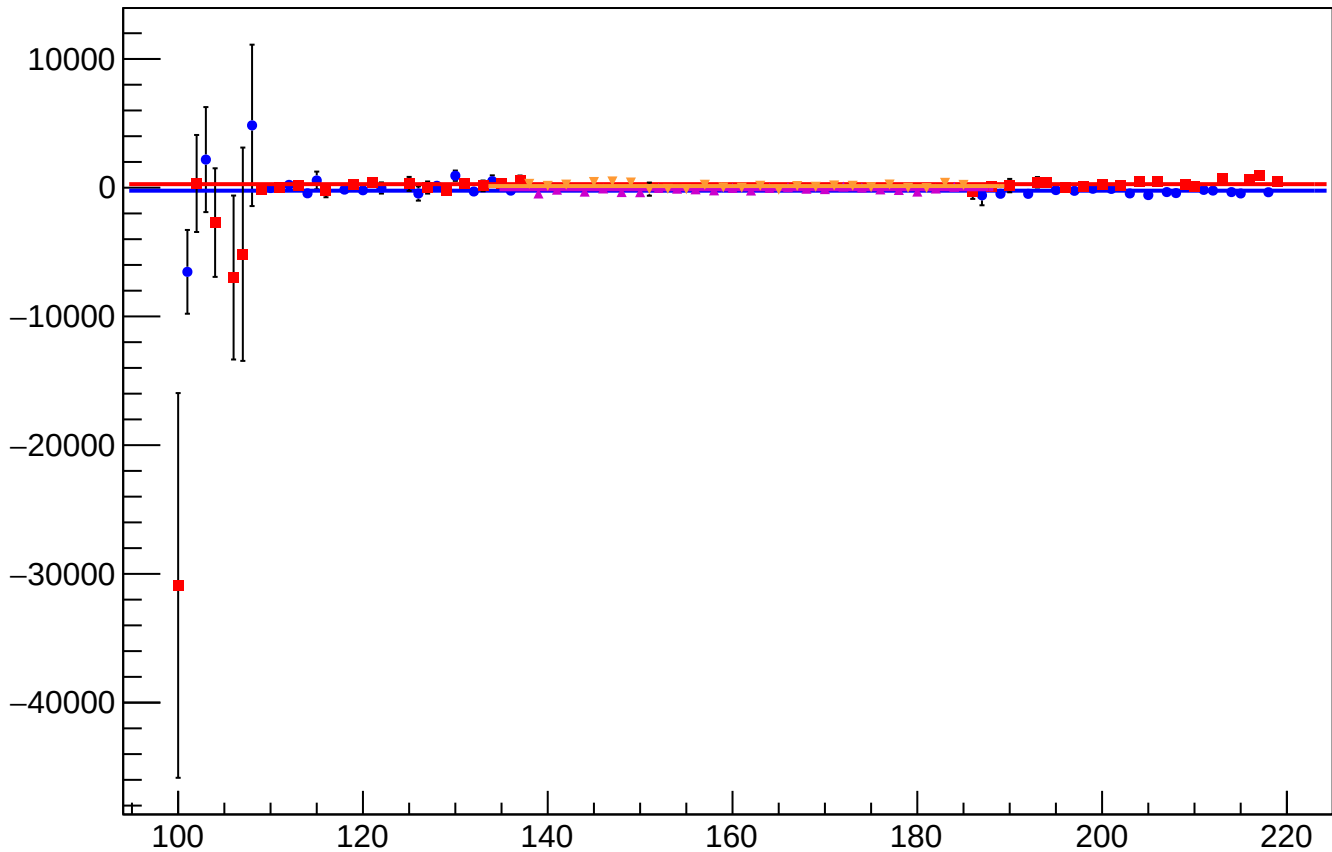
Left In: 28.728 $\pm$ 0.005 χ^2 /NDF: 127383.0/22

+ sign 27.858 $\pm$ 0.003 χ^2 /NDF: 3422799.4/55

All: 27.916 $\pm$ 0.002 χ^2 /NDF: 7222590.4/113

- sign 27.975 $\pm$ 0.003 χ^2 /NDF: 3799141.3/57

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -231.911 ± 41.863 χ^2/NDF : 36.0/31

Left Out: 126.373 ± 47.852 χ^2/NDF : 11.6/23

Right Out: 274.975 ± 41.534 χ^2/NDF : 45.5/34

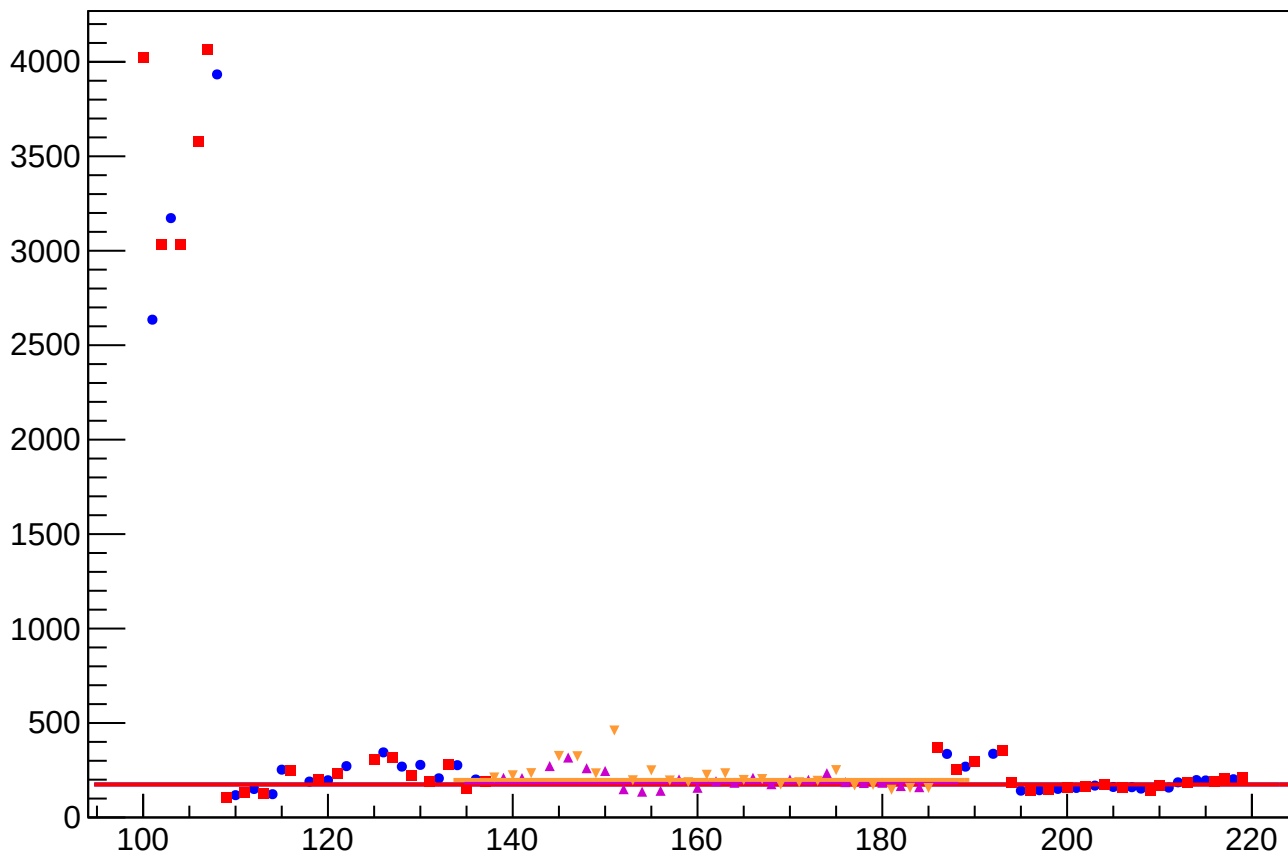
Left In: -122.809 ± 45.199 χ^2/NDF : 8.0/22

+ sign -76.582 ± 31.508 χ^2/NDF : 79.4/55

All: 10.663 ± 21.945 χ^2/NDF : 189.8/113

- sign 92.859 ± 30.583 χ^2/NDF : 95.5/57

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 174.750+/-0.030 χ^2/NDF : 4977337.0/31

Left Out: 198.736+/-0.034 χ^2/NDF : 1786406.6/23

Right Out: 174.453+/-0.029 χ^2/NDF : 5532036.3/34

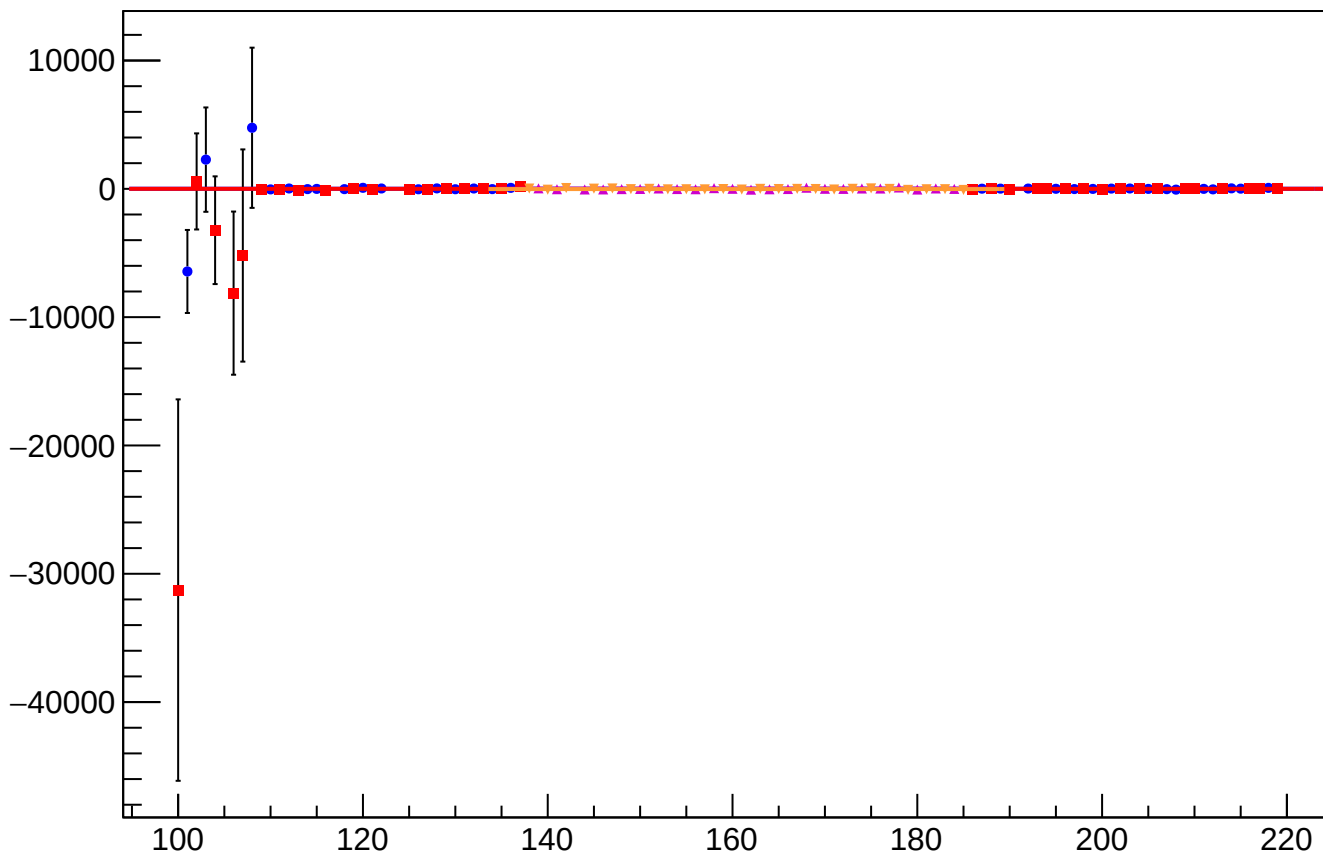
Left In: 185.871+/-0.032 χ^2/NDF : 1405525.2/22

+ sign 185.149+/-0.022 χ^2/NDF : 7048383.5/55

All: 182.333+/-0.016 χ^2/NDF : 14086167.1/11

- sign 179.681+/-0.022 χ^2/NDF : 7006763.8/57

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 7.404 ± 6.970 χ^2/NDF : 31.4/31

Left Out: -18.187 ± 7.260 χ^2/NDF : 20.3/23

Right Out: 2.332 ± 6.910 χ^2/NDF : 45.0/34

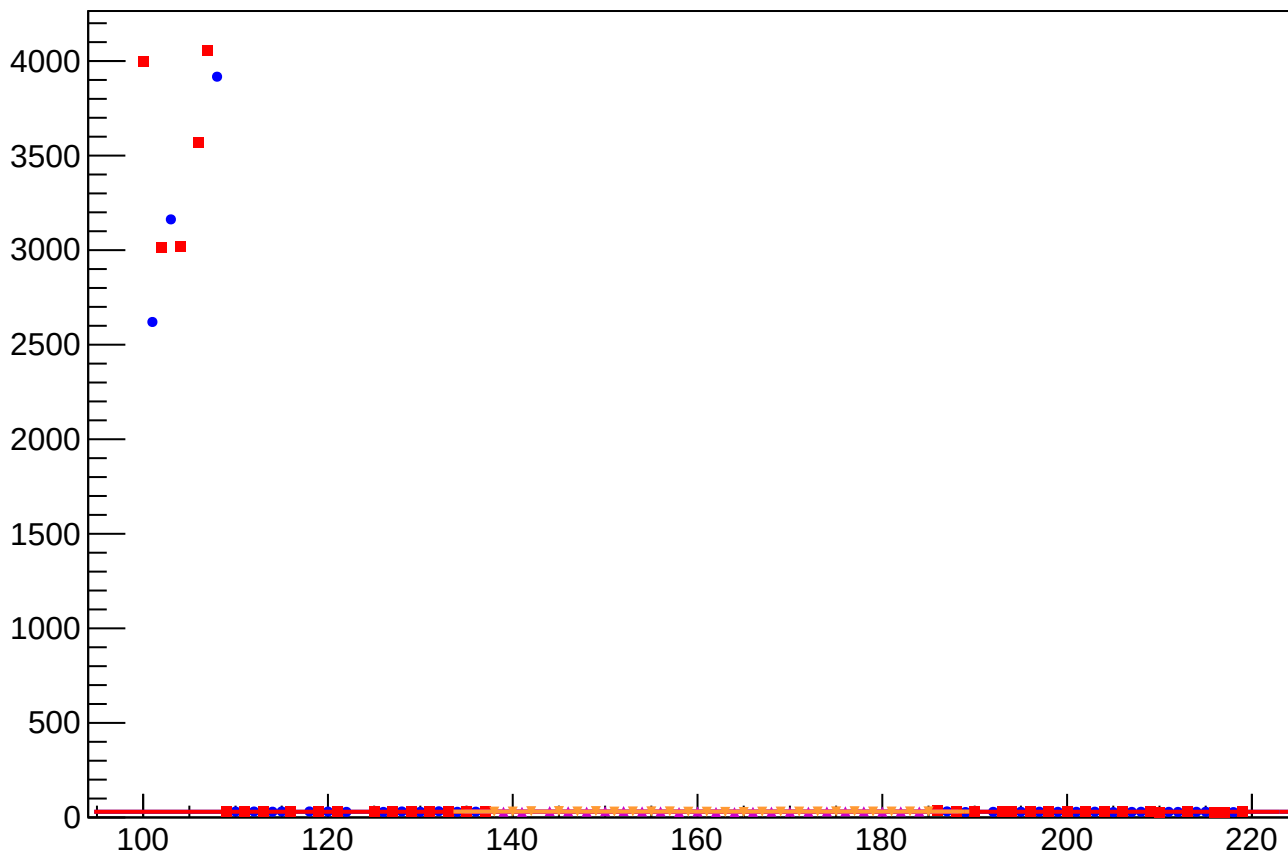
Left In: 2.709 ± 7.348 χ^2/NDF : 35.5/22

+ sign -4.870 ± 5.028 χ^2/NDF : 58.1/55

All: -1.185 ± 3.557 χ^2/NDF : 139.7/113

- sign 2.509 ± 5.034 χ^2/NDF : 80.5/57

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.009 $\pm$ 0.005 χ^2 /NDF: 3282541.3/31

Left Out: 31.221 $\pm$ 0.005 χ^2 /NDF: 47423.0/23

Right Out: 30.136 $\pm$ 0.005 χ^2 /NDF: 3589735.4/34

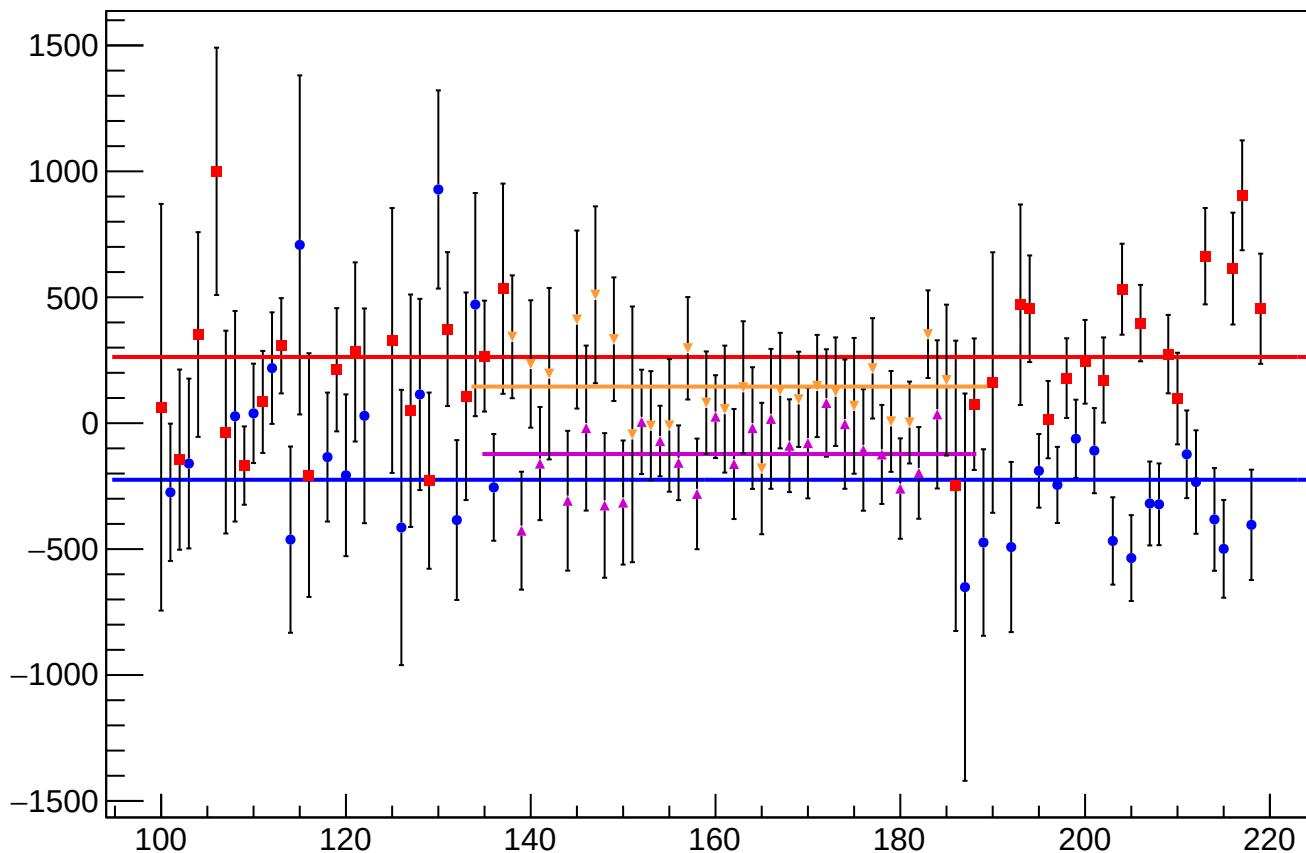
Left In: 31.379 $\pm$ 0.005 χ^2 /NDF: 85229.7/22

+ sign 30.591 $\pm$ 0.004 χ^2 /NDF: 3358978.9/55

All: 30.655 $\pm$ 0.003 χ^2 /NDF: 7065006.3/113

- sign 30.719 $\pm$ 0.004 χ^2 /NDF: 3705373.1/57

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -224.701 ± 40.077 χ^2/NDF : 33.9/31

Left Out: 145.314 ± 47.390 χ^2/NDF : 9.4/23

Right Out: 262.832 ± 39.335 χ^2/NDF : 42.4/34

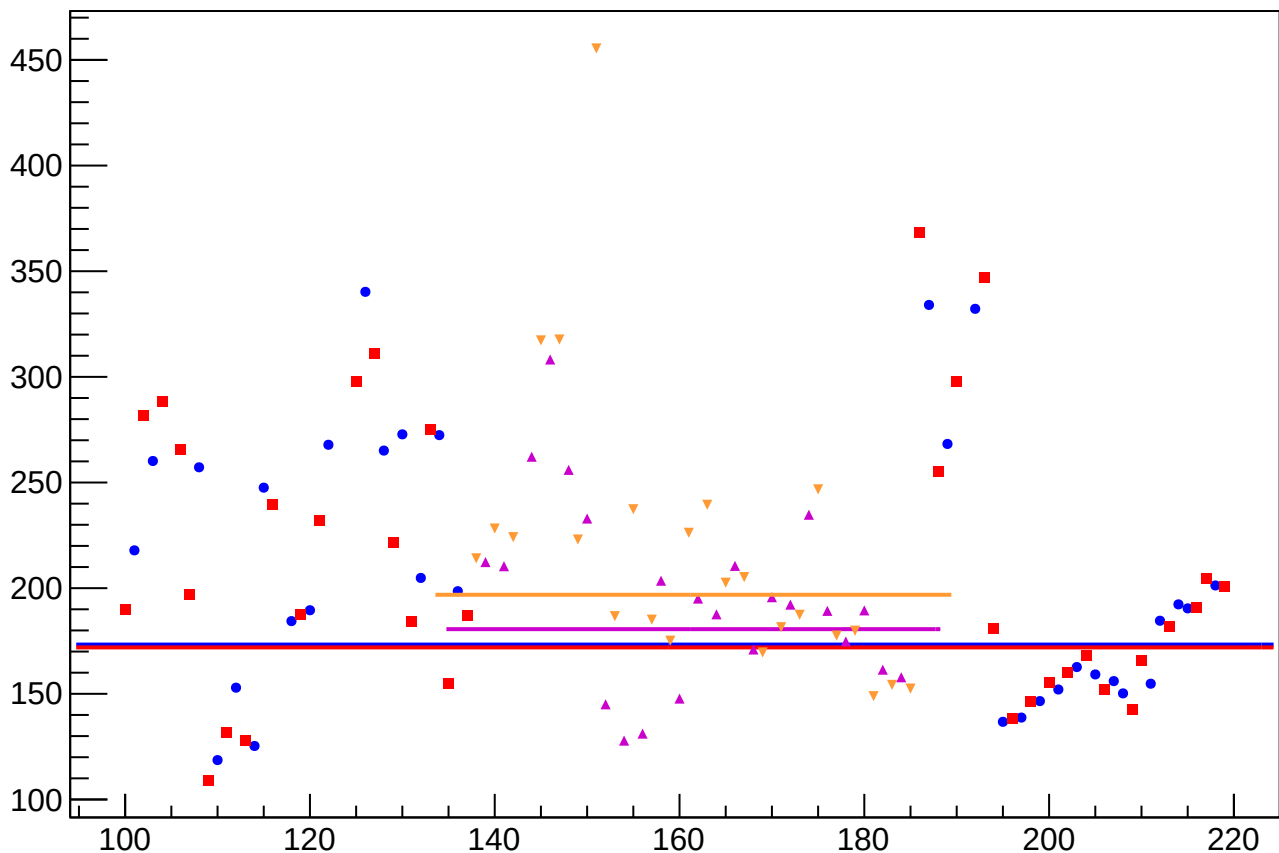
Left In: -122.376 ± 44.081 χ^2/NDF : 7.9/22

+ sign -70.417 ± 30.601 χ^2/NDF : 78.8/55

All: 14.220 ± 21.182 χ^2/NDF : 186.2/113

- sign 92.072 ± 29.349 χ^2/NDF : 92.8/57

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 173.305+/-0.028 χ^2/NDF : 2341473.6/31

Left Out: 196.873+/-0.034 χ^2/NDF :1725106.9/23

Right Out: 171.960+/-0.028 χ^2/NDF : 2865390.7/34

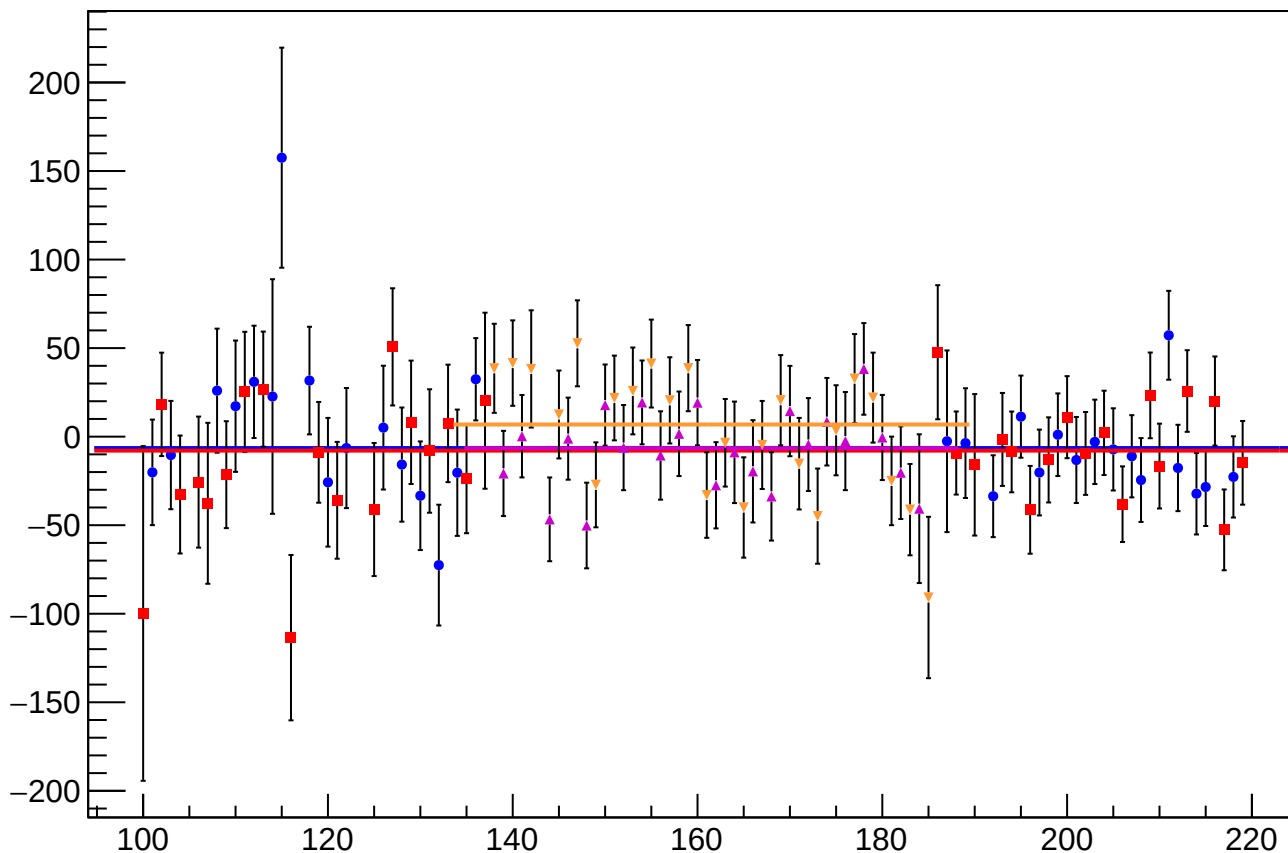
Left In: 180.601+/-0.031 χ^2/NDF :1628072.3/22

+ sign 183.132+/-0.022 χ^2/NDF : 4354972.9/55

All: 179.308+/-0.015 χ^2/NDF : 8951175.9/113

- sign 175.791+/-0.021 χ^2/NDF : 4536247.8/57

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -6.451 ± 4.937 χ^2/NDF : 32.1/31

Left Out: 6.857 ± 5.229 χ^2/NDF : 36.8/23

Right Out: -7.884 ± 4.839 χ^2/NDF : 32.1/34

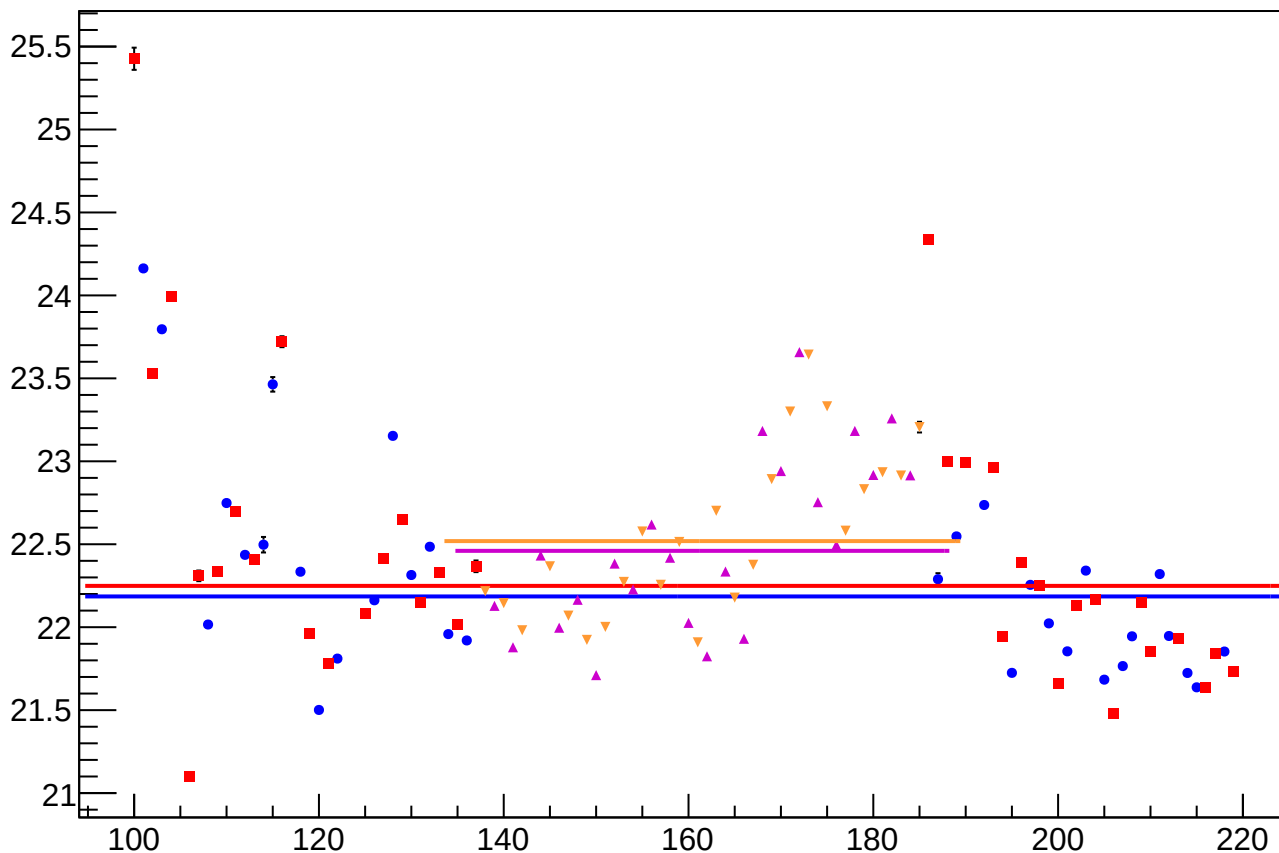
Left In: -6.482 ± 5.247 χ^2/NDF : 17.4/22

+ sign -0.179 ± 3.590 χ^2/NDF : 72.4/55

All: -3.741 ± 2.527 χ^2/NDF : 123.9/113

- sign -7.239 ± 3.557 χ^2/NDF : 49.6/57

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.185 $\pm$ 0.003 χ^2 /NDF: 26490.2/31

Left Out: 22.519 $\pm$ 0.004 χ^2 /NDF:15998.2/23

Right Out: 22.249 $\pm$ 0.003 χ^2 /NDF: 35471.0/34

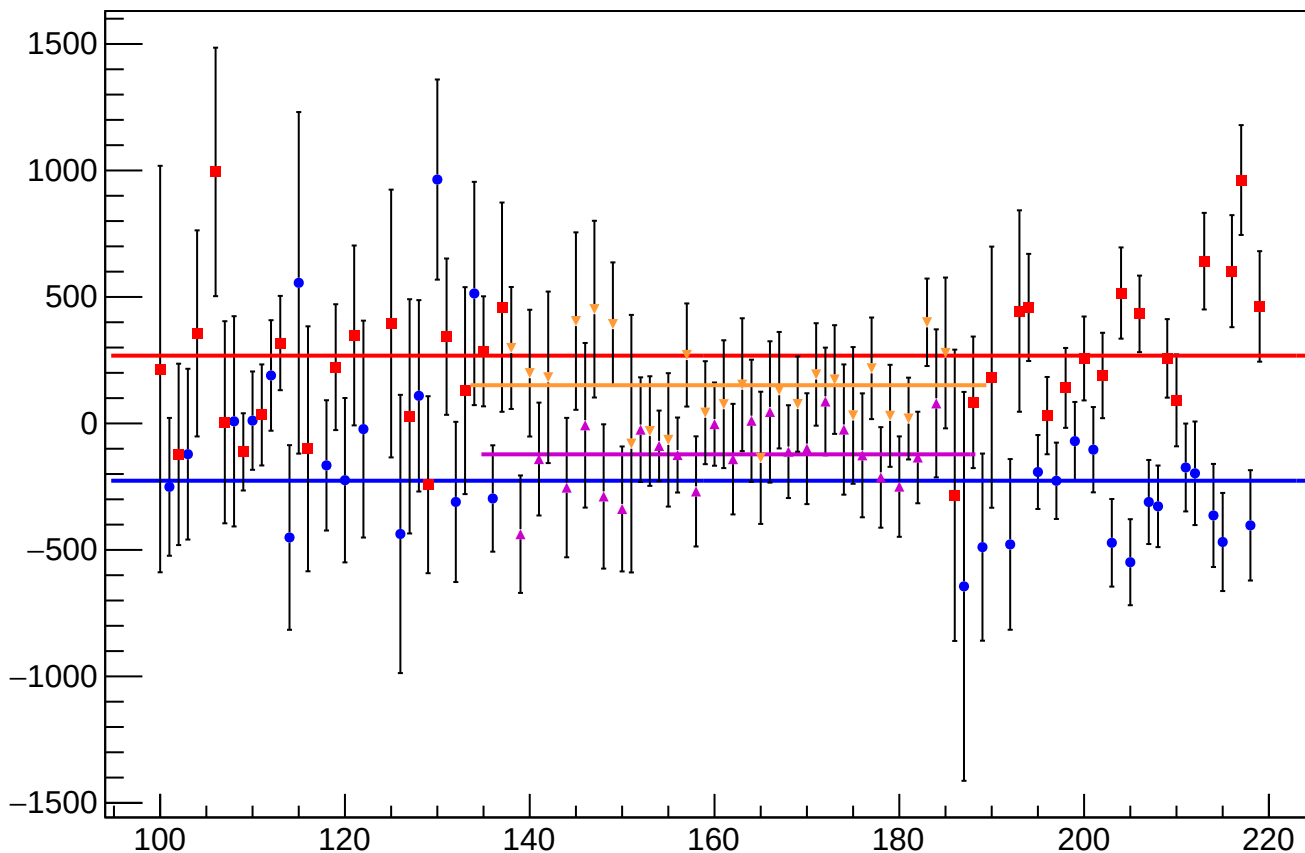
Left In: 22.460 $\pm$ 0.004 χ^2 /NDF:19117.2/22

+ sign 22.343 $\pm$ 0.003 χ^2 /NDF: 46793.0/55

All: 22.344 $\pm$ 0.002 χ^2 /NDF: 103133.0/113

- sign 22.346 $\pm$ 0.003 χ^2 /NDF: 56339.1/57

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -226.488 ± 39.962 χ^2/NDF : 32.5/31

Left Out: 151.108 ± 47.316 χ^2/NDF : 10.0/23

Right Out: 268.017 ± 39.179 χ^2/NDF : 41.9/34

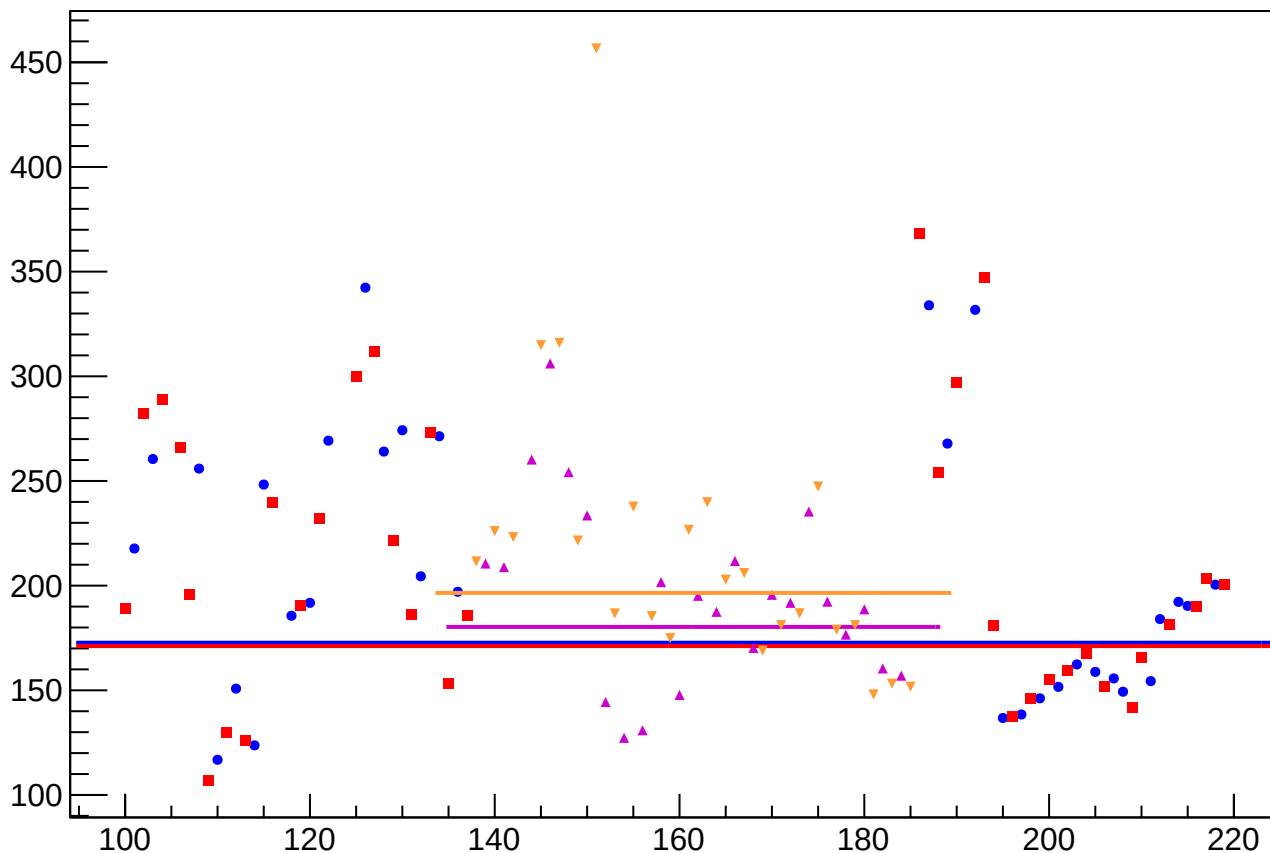
Left In: -122.165 ± 44.006 χ^2/NDF : 7.5/22

+ sign -69.282 ± 30.530 χ^2/NDF : 79.7/55

All: 16.598 ± 21.126 χ^2/NDF : 188.1/113

- sign 95.492 ± 29.262 χ^2/NDF : 93.2/57

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 172.731 $\pm$ 0.028 χ^2 /NDF: 2373287.4/31

Left Out: 196.533 $\pm$ 0.033 χ^2 /NDF:1727888.6/23

Right Out: 171.115 $\pm$ 0.028 χ^2 /NDF: 2935242.9/34

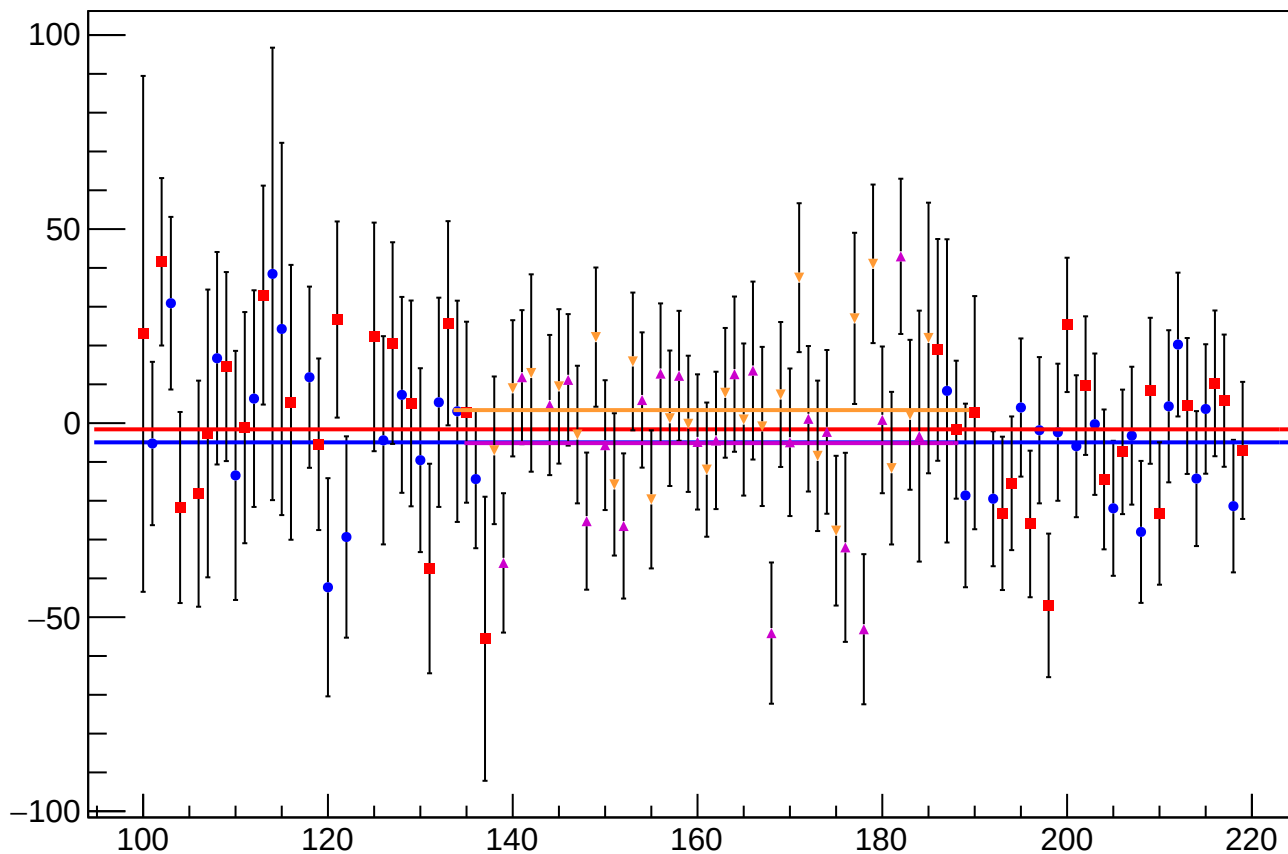
Left In: 180.274 $\pm$ 0.031 χ^2 /NDF:1624682.7/22

+ sign 182.641 $\pm$ 0.022 χ^2 /NDF: 4396591.9/55

All: 178.744 $\pm$ 0.015 χ^2 /NDF: 9067341.4/113

- sign 175.165 $\pm$ 0.021 χ^2 /NDF: 4608254.6/57

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -4.950 ± 3.782 χ^2/NDF : 16.0/31

Left Out: 3.359 ± 3.905 χ^2/NDF : 17.7/23

Right Out: -1.597 ± 3.701 χ^2/NDF : 30.9/34

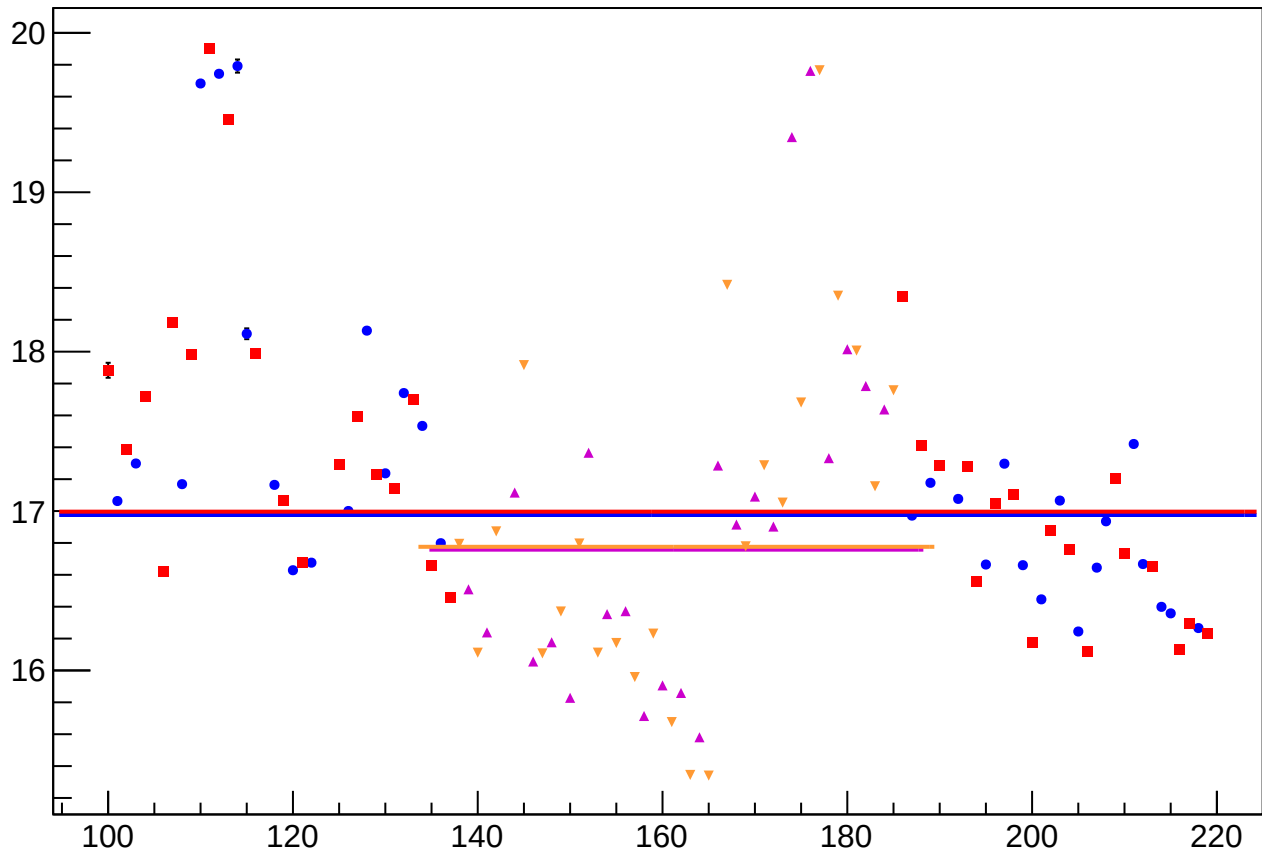
Left In: -5.150 ± 3.924 χ^2/NDF : 32.3/22

+ sign -0.928 ± 2.717 χ^2/NDF : 36.0/55

All: -2.109 ± 1.912 χ^2/NDF : 100.0/113

- sign -3.270 ± 2.692 χ^2/NDF : 63.6/57

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 16.975 $\pm$ 0.003 χ^2 /NDF: 65937.7/31

Left Out: 16.776 $\pm$ 0.003 χ^2 /NDF:136142.5/23

Right Out: 16.996 $\pm$ 0.003 χ^2 /NDF: 79525.4/34

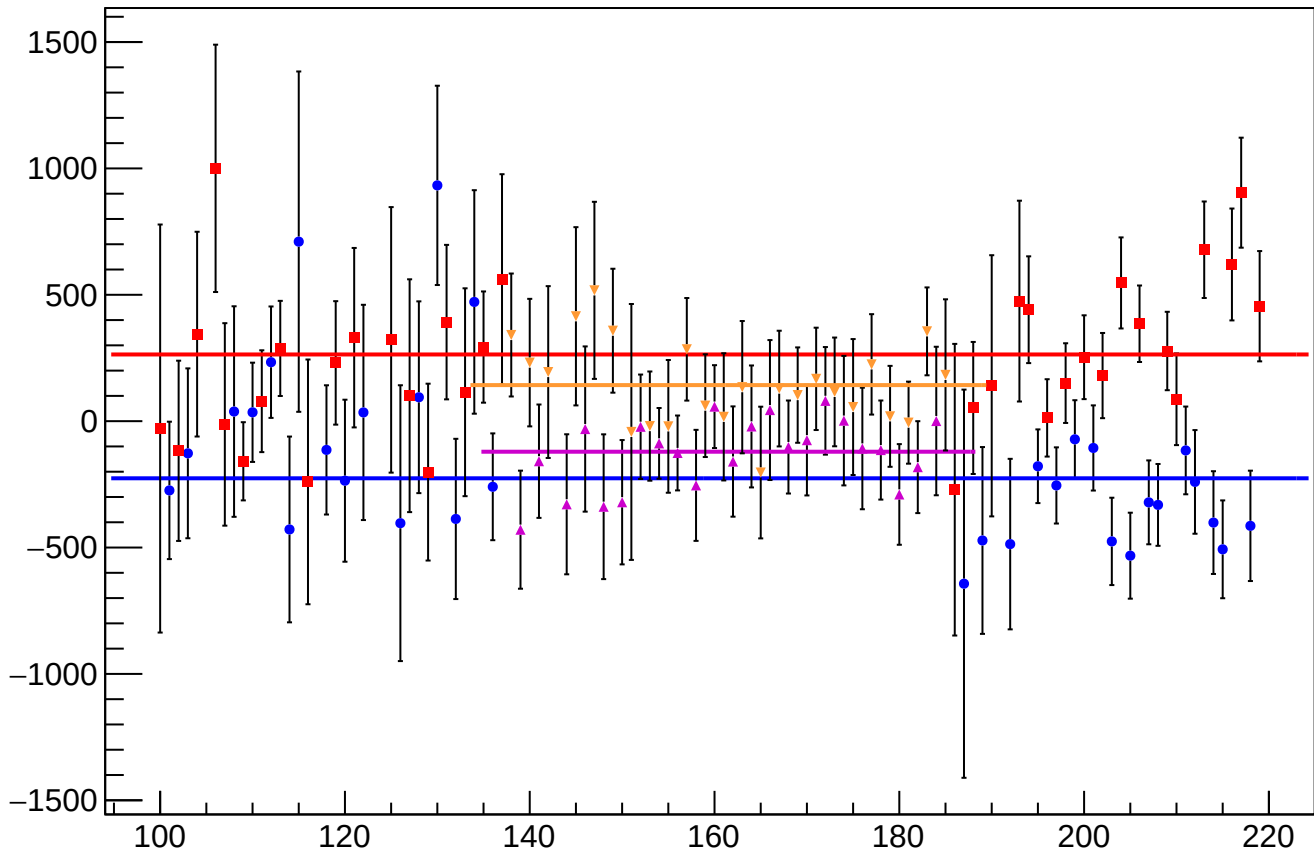
Left In: 16.758 $\pm$ 0.003 χ^2 /NDF:123306.8/22

+ sign 16.879 $\pm$ 0.002 χ^2 /NDF: 204776.0/55

All: 16.881 $\pm$ 0.001 χ^2 /NDF: 411520.3/113

- sign 16.884 $\pm$ 0.002 χ^2 /NDF: 206740.5/57

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -226.024 ± 39.956 $\chi^2/\text{NDF}: 34.7/31$

Left Out: 142.696 ± 47.288 $\chi^2/\text{NDF}: 10.2/23$

Right Out: 263.911 ± 39.218 $\chi^2/\text{NDF}: 43.1/34$

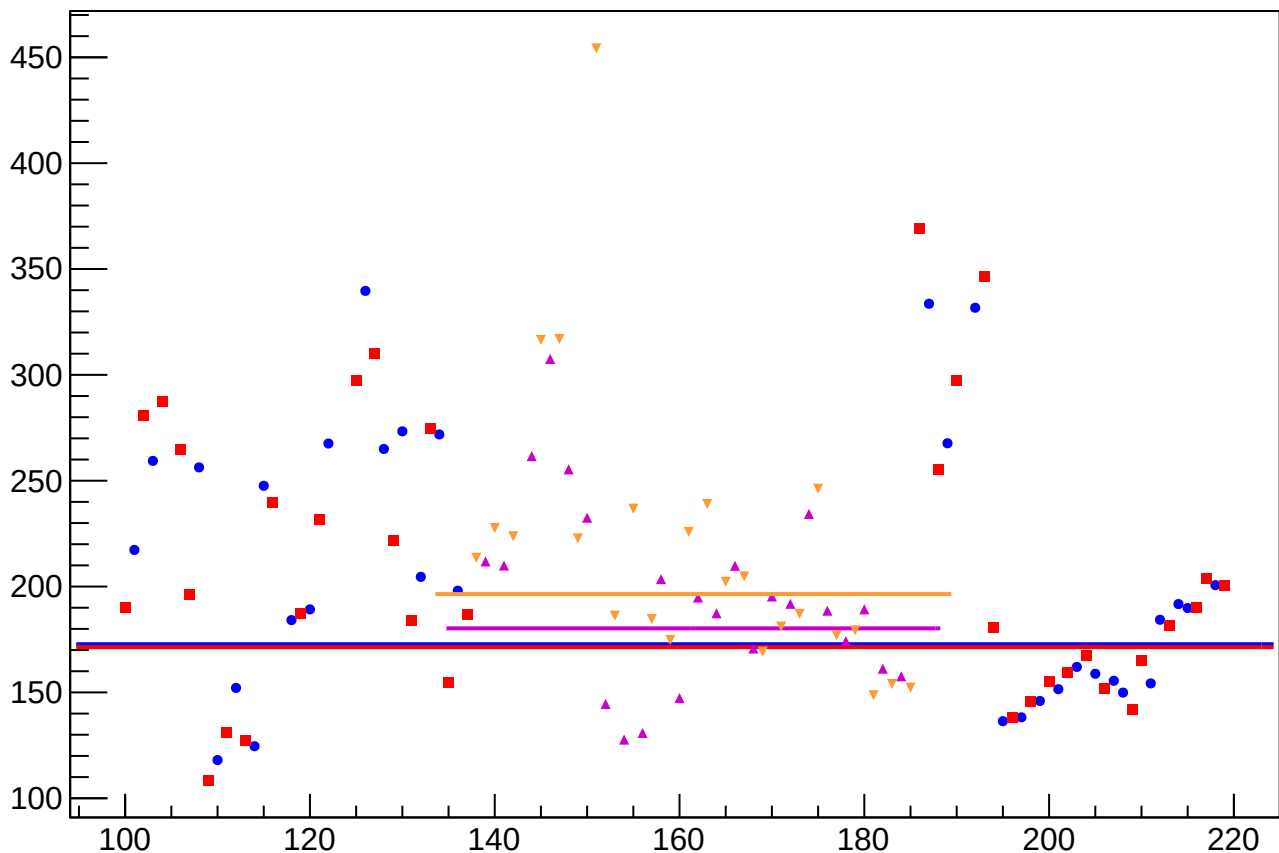
Left In: -120.888 ± 43.994 $\chi^2/\text{NDF}: 8.2/22$

+ sign -72.431 ± 30.520 $\chi^2/\text{NDF}: 80.4/55$

All: 14.001 ± 21.127 $\chi^2/\text{NDF}: 189.7/113$

- sign 93.524 ± 29.275 $\chi^2/\text{NDF}: 93.9/57$

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 172.755 $\pm$ 0.028 χ^2 /NDF: 2354299.2/31

Left Out: 196.452 $\pm$ 0.033 χ^2 /NDF:1723529.1/23

Right Out: 171.411 $\pm$ 0.028 χ^2 /NDF: 2883285.9/34

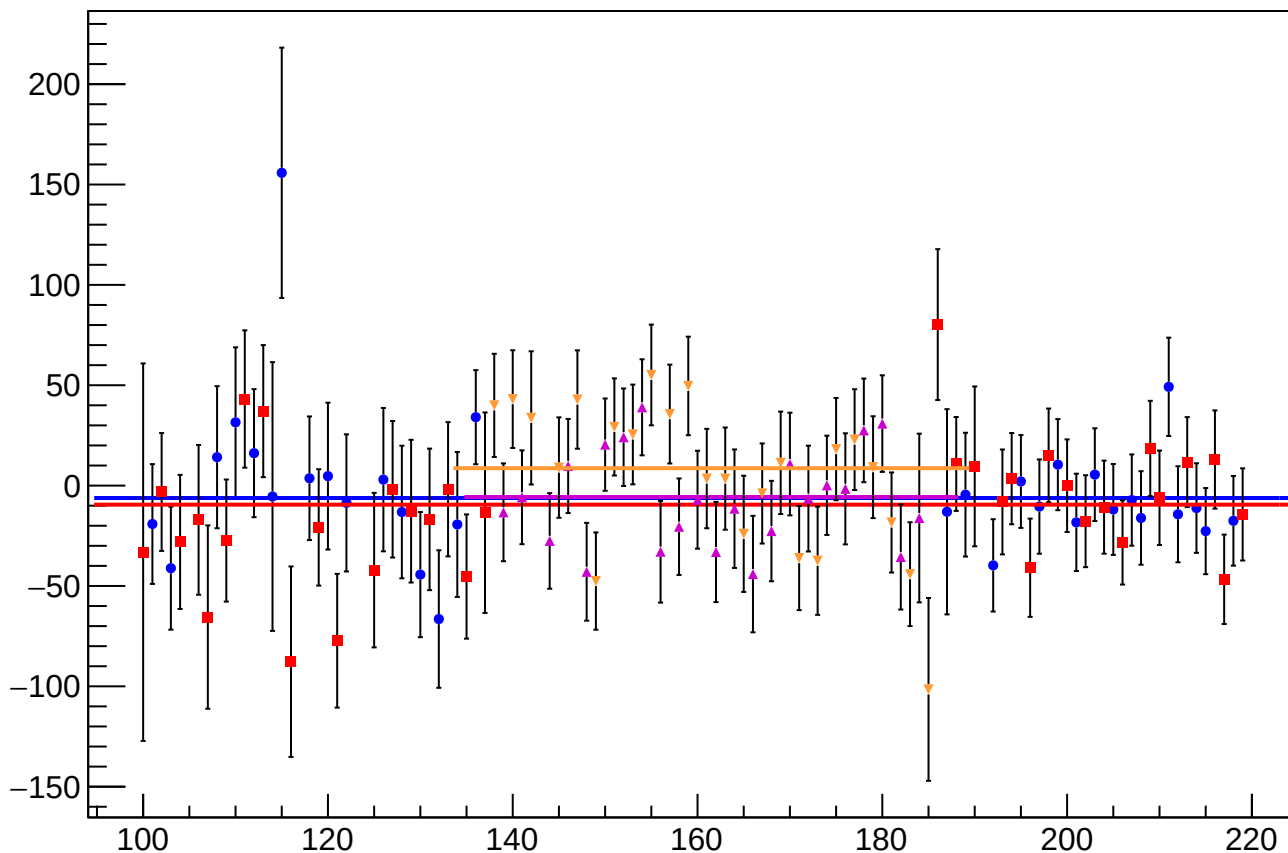
Left In: 180.248 $\pm$ 0.031 χ^2 /NDF:1627777.0/22

+ sign 182.626 $\pm$ 0.022 χ^2 /NDF: 4370863.2/55

All: 178.823 $\pm$ 0.015 χ^2 /NDF: 8986521.9/113

- sign 175.324 $\pm$ 0.021 χ^2 /NDF: 4556028.6/57

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -6.180 ± 4.889 $\chi^2/\text{NDF}: 27.8/31$

Left Out: 8.664 ± 5.275 $\chi^2/\text{NDF}: 39.2/23$

Right Out: -9.499 ± 4.801 $\chi^2/\text{NDF}: 32.8/34$

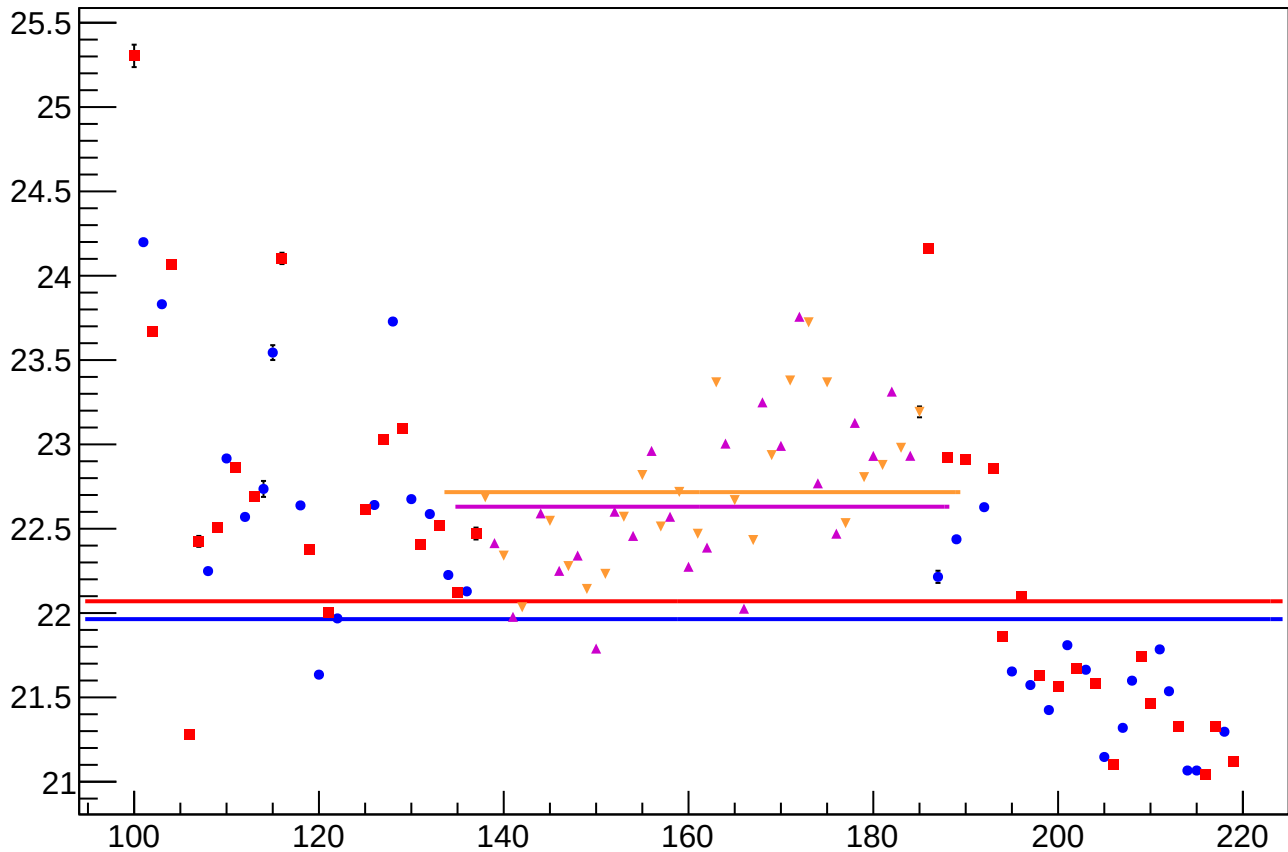
Left In: -5.668 ± 5.286 $\chi^2/\text{NDF}: 20.8/22$

+ sign 0.679 ± 3.586 $\chi^2/\text{NDF}: 71.2/55$

All: -3.581 ± 2.524 $\chi^2/\text{NDF}: 127.9/113$

- sign -7.767 ± 3.554 $\chi^2/\text{NDF}: 53.8/57$

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 21.964 $\pm$ 0.003 χ^2 /NDF: 50419.2/31

Left Out: 22.717 $\pm$ 0.004 χ^2 /NDF:12177.5/23

Right Out: 22.070 $\pm$ 0.003 χ^2 /NDF: 59165.2/34

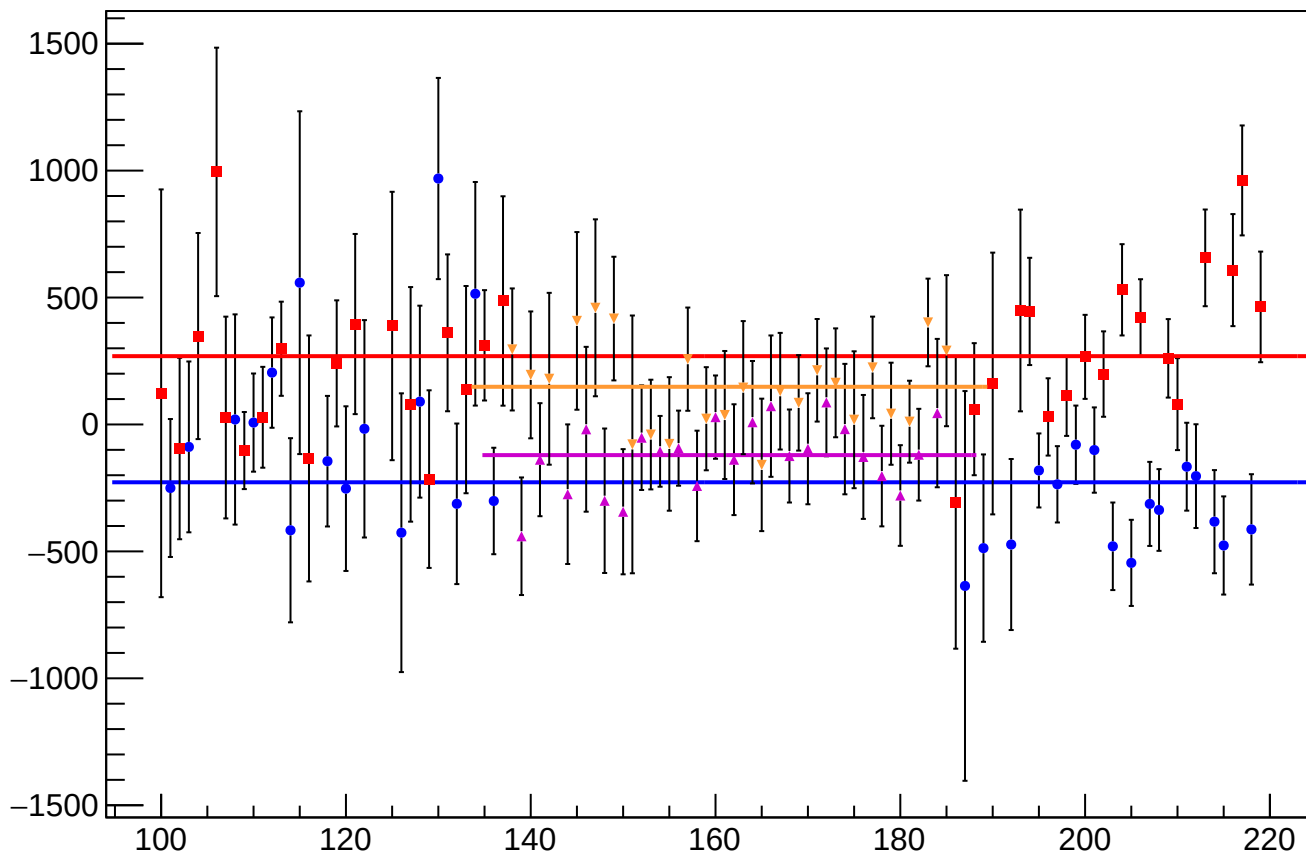
Left In: 22.631 $\pm$ 0.004 χ^2 /NDF:15391.4/22

+ sign 22.312 $\pm$ 0.003 χ^2 /NDF: 84520.3/55

All: 22.318 $\pm$ 0.002 χ^2 /NDF: 171413.5/113

- sign 22.323 $\pm$ 0.003 χ^2 /NDF: 86883.0/57

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -227.791 ± 39.841 χ^2/NDF : 33.3/31

Left Out: 148.424 ± 47.213 χ^2/NDF : 10.9/23

Right Out: 269.065 ± 39.061 χ^2/NDF : 42.6/34

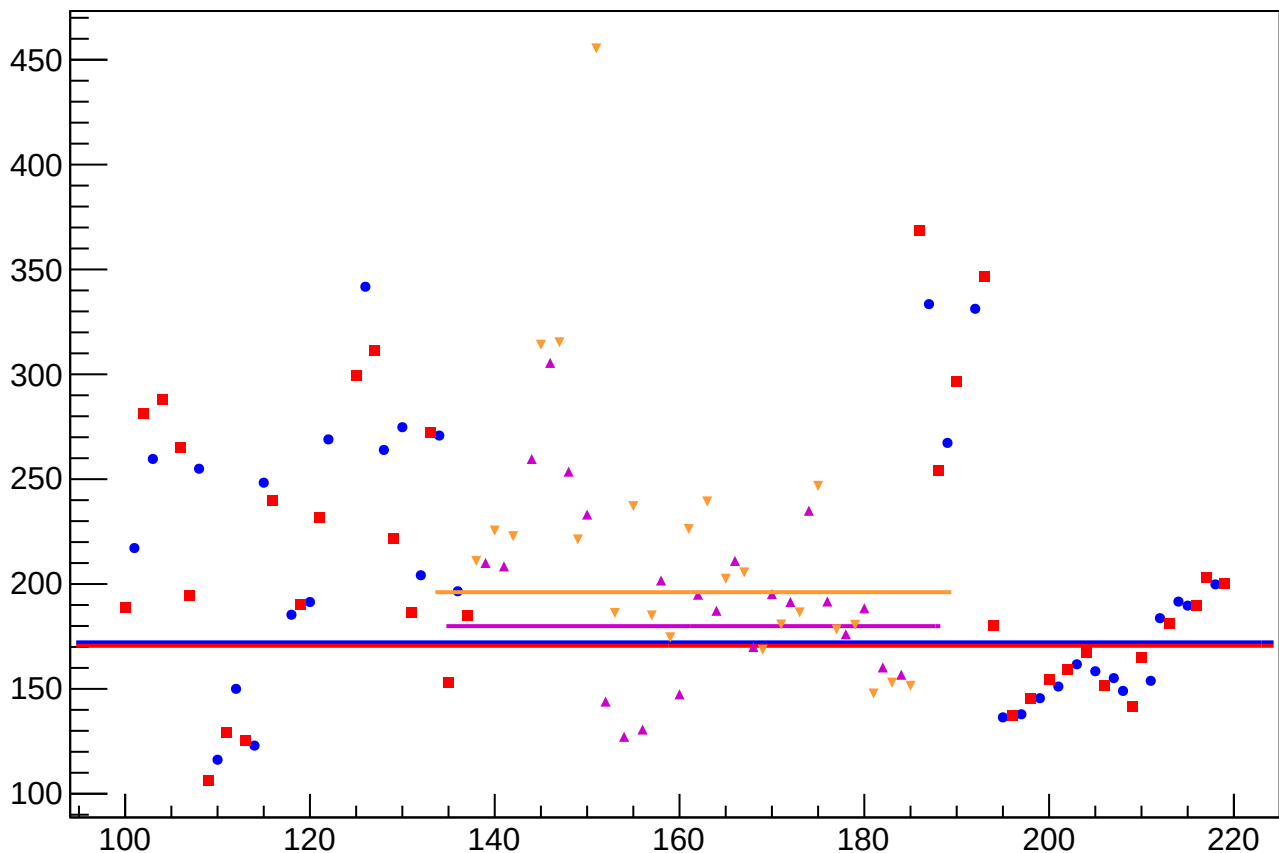
Left In: -120.760 ± 43.920 χ^2/NDF : 7.9/22

+ sign -71.318 ± 30.448 χ^2/NDF : 81.3/55

All: 16.346 ± 21.070 χ^2/NDF : 191.7/113

- sign 96.900 ± 29.188 χ^2/NDF : 94.5/57

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 172.176+/-0.028 χ^2/NDF : 2386620.0/31

Left Out: 196.112+/-0.033 χ^2/NDF :1726285.1/23

Right Out: 170.560+/-0.028 χ^2/NDF : 2954039.6/34

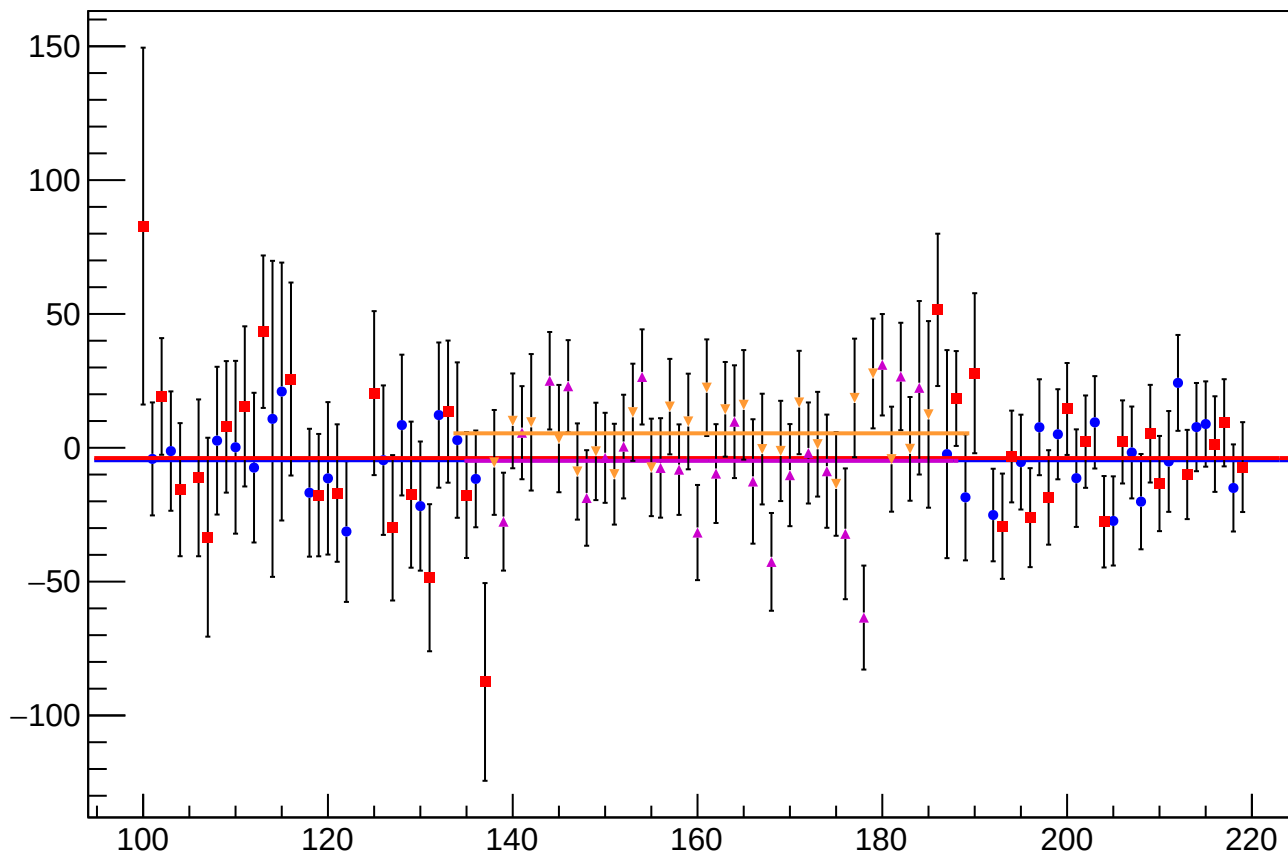
Left In: 179.923+/-0.031 χ^2/NDF :1624144.3/22

+ sign 182.132+/-0.022 χ^2/NDF : 4413153.5/55

All: 178.256+/-0.015 χ^2/NDF : 9104256.2/113

- sign 174.695+/-0.021 χ^2/NDF : 4628937.5/57

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -4.650 ± 3.714 χ^2/NDF : 13.5/31

Left Out: 5.406 ± 3.972 χ^2/NDF : 7.8/23

Right Out: -3.843 ± 3.644 χ^2/NDF : 33.9/34

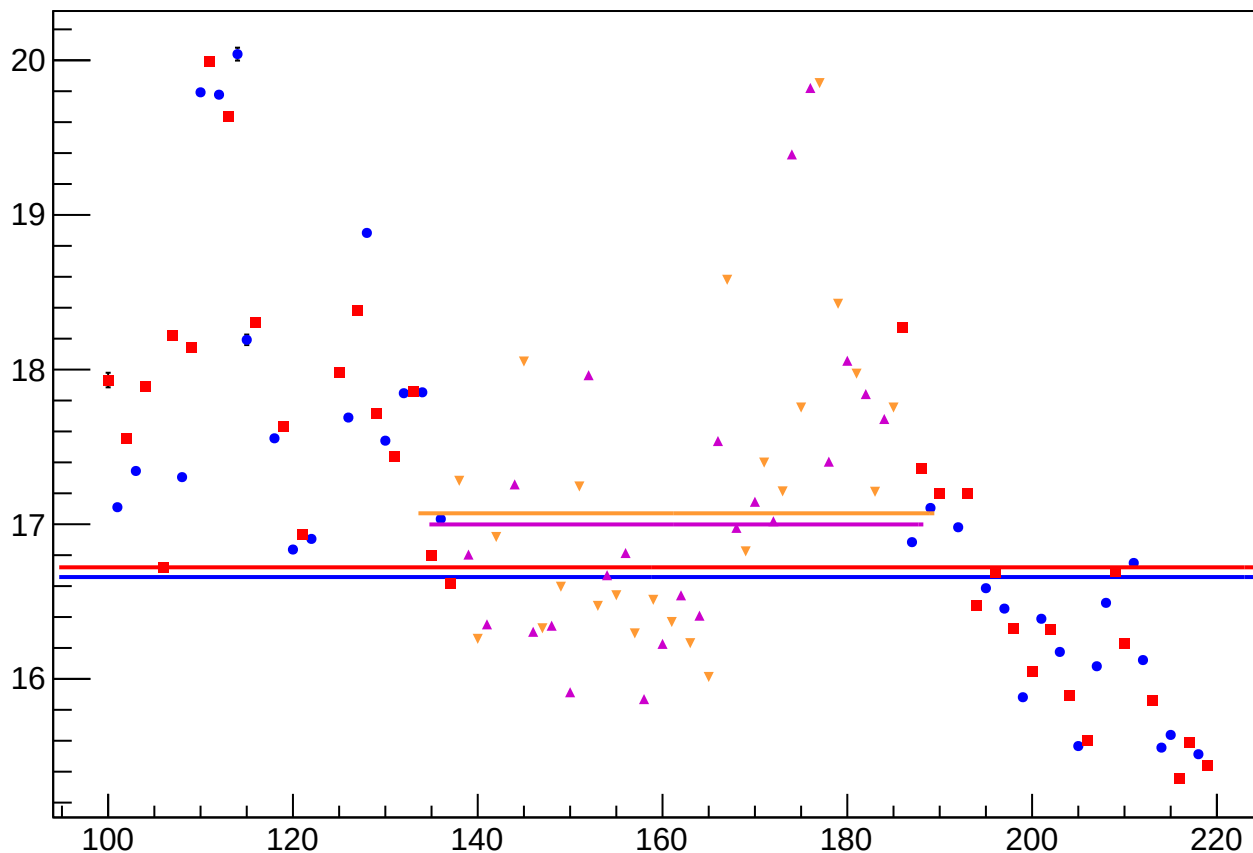
Left In: -4.858 ± 3.980 χ^2/NDF : 35.5/22

+ sign 0.041 ± 2.713 χ^2/NDF : 24.7/55

All: -2.153 ± 1.909 χ^2/NDF : 95.4/113

- sign -4.306 ± 2.688 χ^2/NDF : 69.4/57

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.658 $\pm$ 0.003 χ^2 /NDF: 135128.6/31

Left Out: 17.071 $\pm$ 0.003 χ^2 /NDF: 96312.6/23

Right Out: 16.721 $\pm$ 0.003 χ^2 /NDF: 159335.3/34

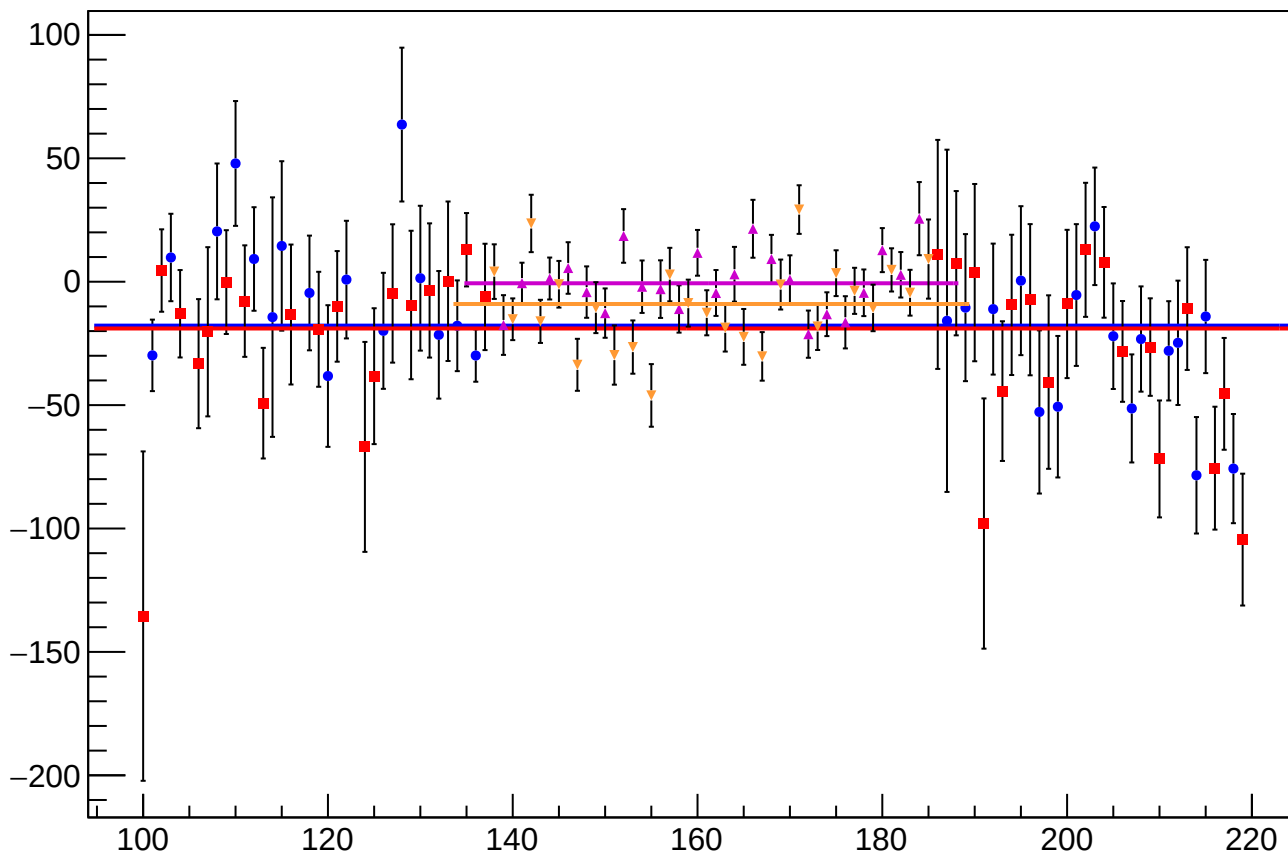
Left In: 16.999 $\pm$ 0.003 χ^2 /NDF: 104021.0/22

+ sign 16.851 $\pm$ 0.002 χ^2 /NDF: 242935.7/55

All: 16.849 $\pm$ 0.001 χ^2 /NDF: 511571.7/113

- sign 16.848 $\pm$ 0.002 χ^2 /NDF: 268634.8/57

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -17.791 ± 4.024 $\chi^2/\text{NDF}: 46.6/31$

Left Out: -9.027 ± 2.006 $\chi^2/\text{NDF}: 62.0/24$

Right Out: -18.953 ± 4.125 $\chi^2/\text{NDF}: 46.9/36$

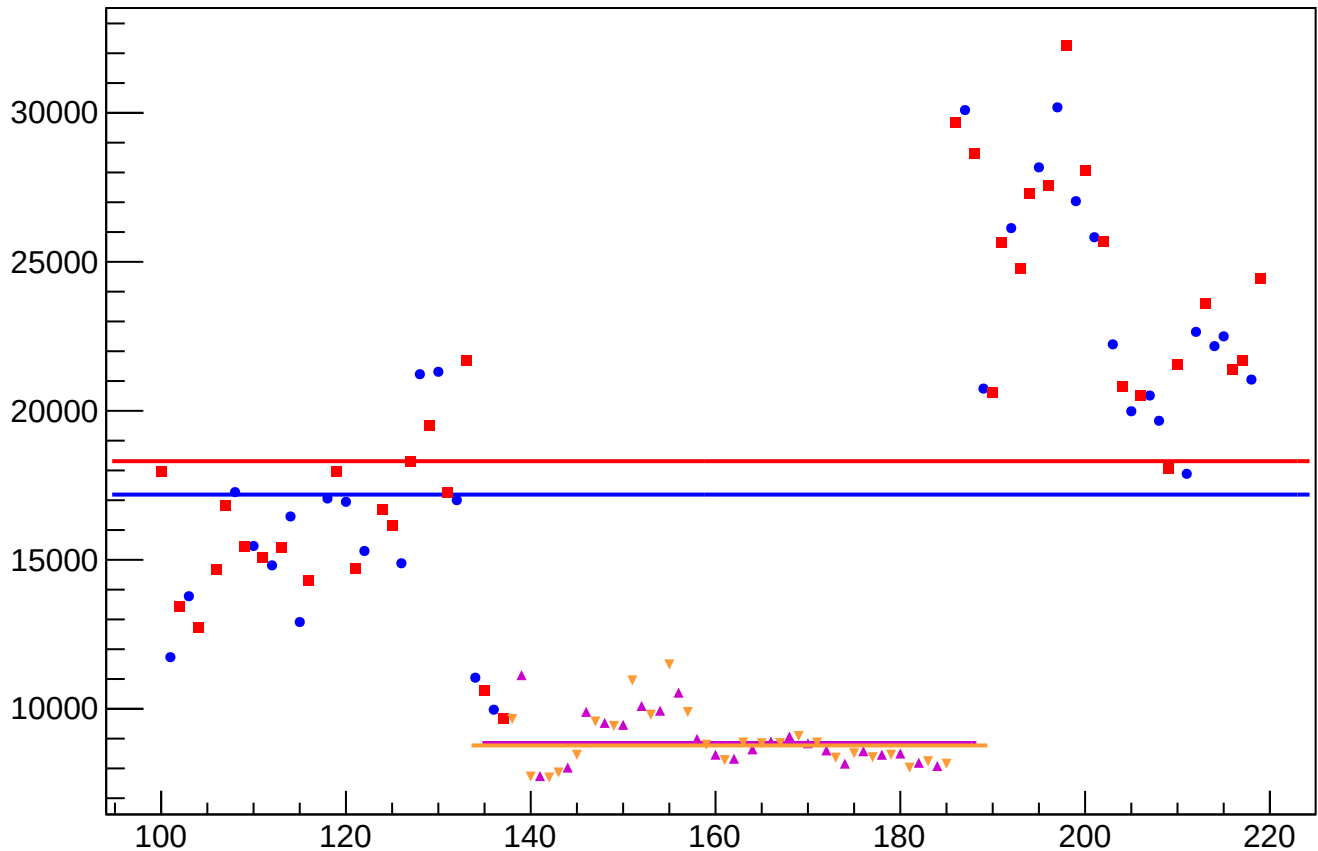
Left In: -0.628 ± 2.079 $\chi^2/\text{NDF}: 29.5/22$

+ sign -10.772 ± 1.796 $\chi^2/\text{NDF}: 112.4/56$

All: -7.664 ± 1.291 $\chi^2/\text{NDF}: 210.8/116$

- sign -4.341 ± 1.857 $\chi^2/\text{NDF}: 92.1/59$

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 17189.283 $\pm$ 2.845 χ^2 /NDF: 3544223.3/31

Left Out: 8770.330 $\pm$ 1.419 χ^2 /NDF:345180.6/24

Right Out: 18310.655 $\pm$ 2.917 χ^2 /NDF: 3449293.6/36

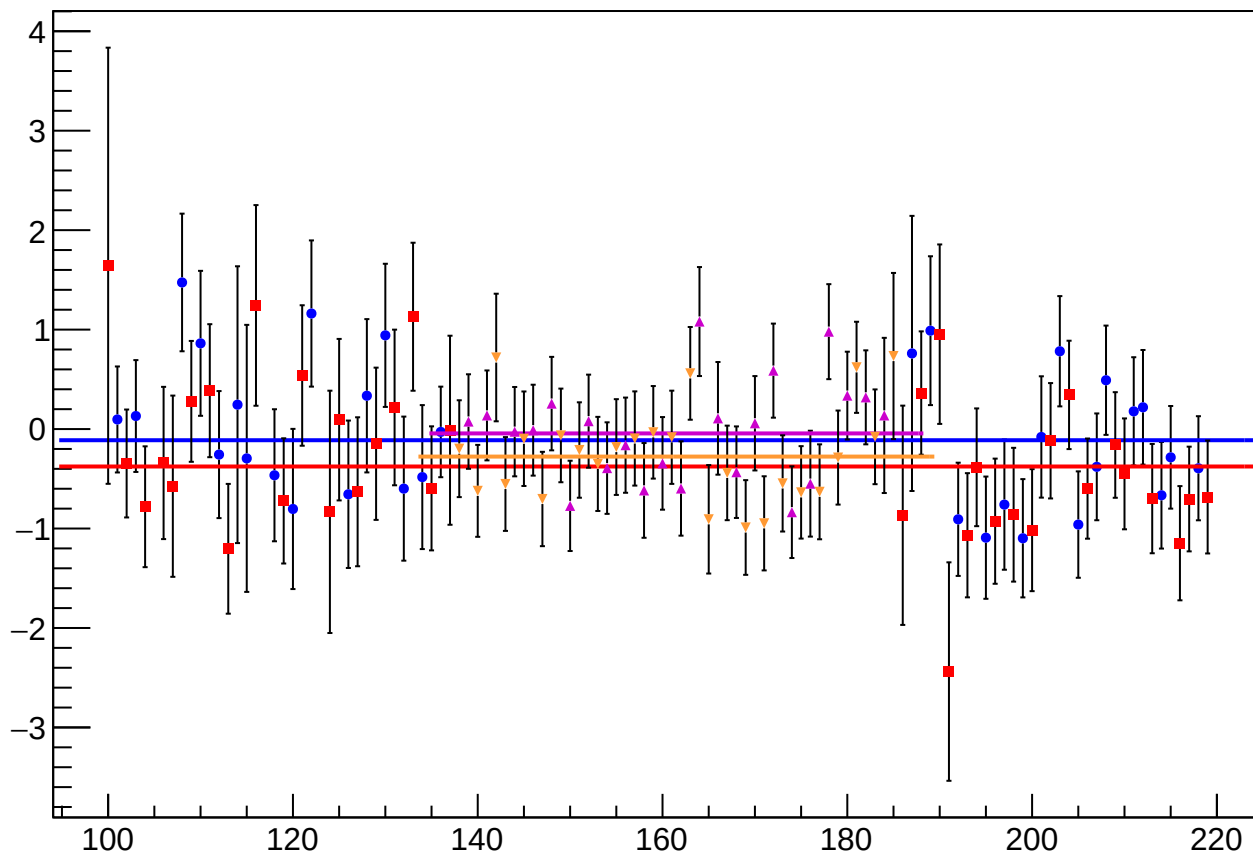
Left In: 8852.820 $\pm$ 1.470 χ^2 /NDF:299860.4/22

+ sign 10446.638 $\pm$ 1.270 χ^2 /NDF: 10900571.2/56

All: 10602.460 $\pm$ 0.913 χ^2 /NDF: 23064914.5

- sign 10769.070 $\pm$ 1.313 χ^2 /NDF: 12133177.7/59

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.112 ± 0.111 χ^2/NDF : 34.8/31

Left Out: -0.277 ± 0.097 χ^2/NDF : 21.0/24

Right Out: -0.376 ± 0.110 χ^2/NDF : 31.7/36

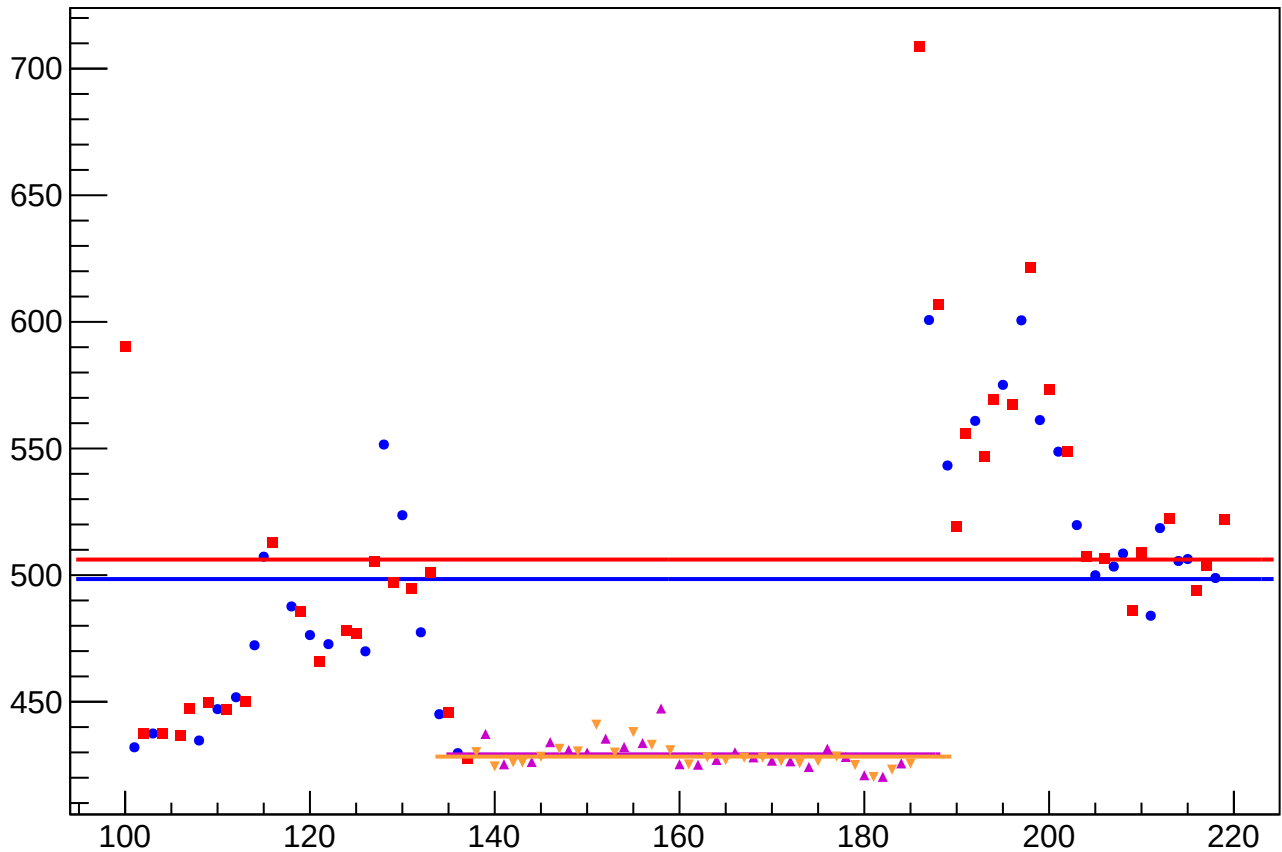
Left In: -0.044 ± 0.100 χ^2/NDF : 23.8/22

+ sign -0.205 ± 0.073 χ^2/NDF : 57.0/56

All: -0.200 ± 0.052 χ^2/NDF : 117.5/116

- sign -0.195 ± 0.074 χ^2/NDF : 60.5/59

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 498.448 ± 0.079 χ^2/NDF : 336957.6/31

Left Out: 428.343 ± 0.069 χ^2/NDF : 4016.5/24

Right Out: 506.155 ± 0.078 χ^2/NDF : 454195.0/36

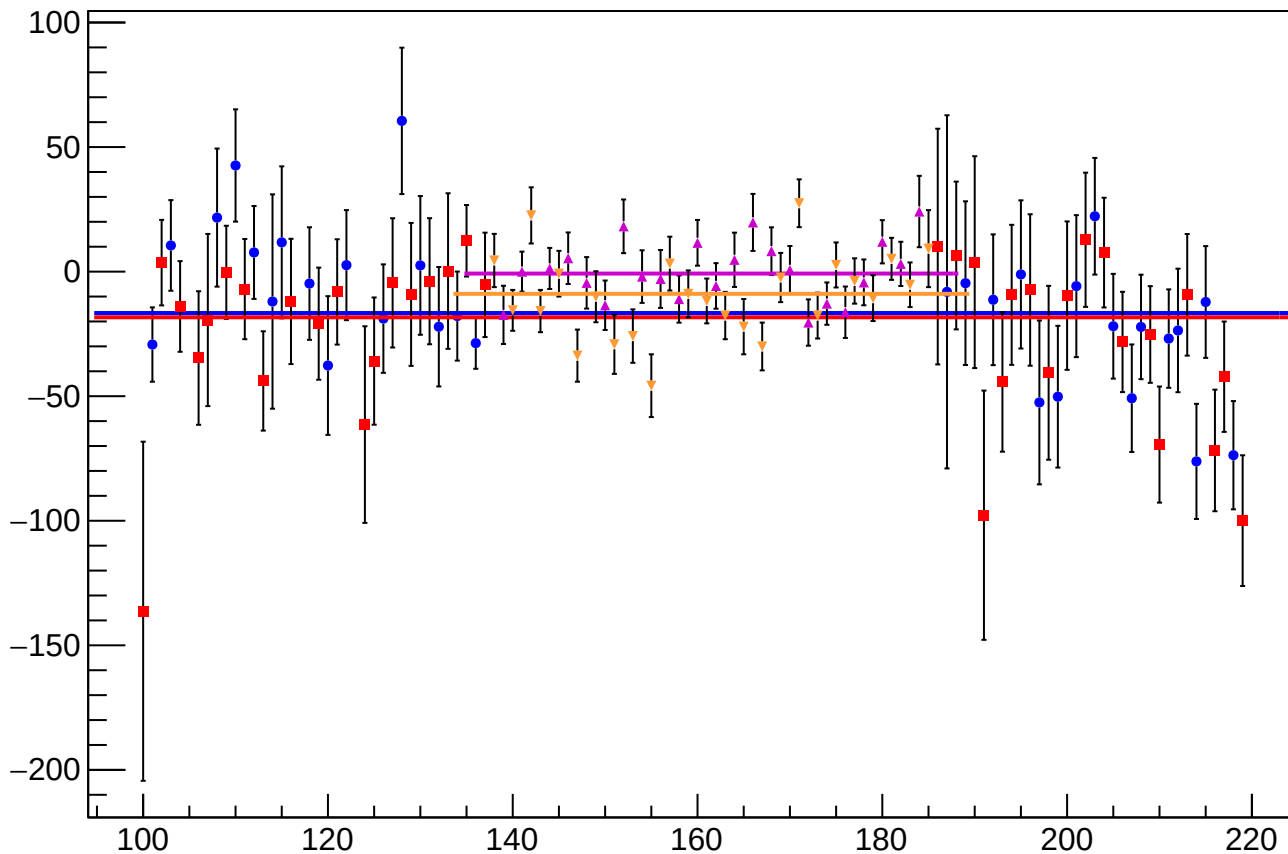
Left In: 429.228 ± 0.071 χ^2/NDF : 6749.9/22

+ sign 458.691 ± 0.052 χ^2/NDF : 790381.7/56

All: 461.450 ± 0.037 χ^2/NDF : 1793561.2/116

- sign 464.261 ± 0.052 χ^2/NDF : 997454.9/59

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -16.617 ± 3.916 $\chi^2/\text{NDF}: 47.3/31$

Left Out: -8.904 ± 1.961 $\chi^2/\text{NDF}: 61.6/24$

Right Out: -18.331 ± 4.001 $\chi^2/\text{NDF}: 45.1/36$

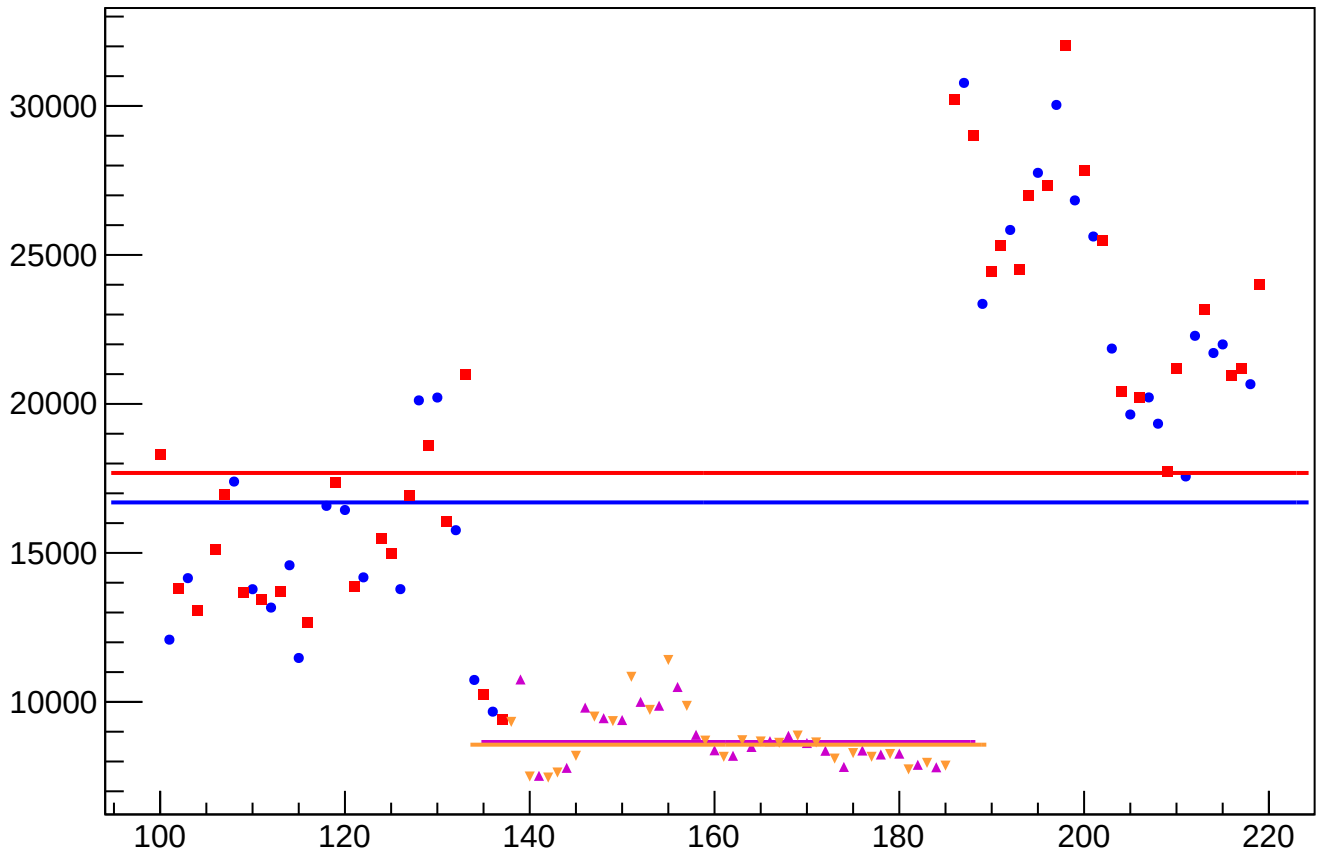
Left In: -0.773 ± 2.034 $\chi^2/\text{NDF}: 29.3/22$

+ sign -10.451 ± 1.753 $\chi^2/\text{NDF}: 111.9/56$

All: -7.516 ± 1.260 $\chi^2/\text{NDF}: 207.4/116$

- sign -4.378 ± 1.813 $\chi^2/\text{NDF}: 89.7/59$

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 16694.621 $\pm$ 2.769 χ^2 /NDF: 3735611.1/31

Left Out: 8564.413 $\pm$ 1.387 χ^2 /NDF:400646.9/24

+ sign 10194.248 $\pm$ 1.240 χ^2 /NDF: 11028899.9/56

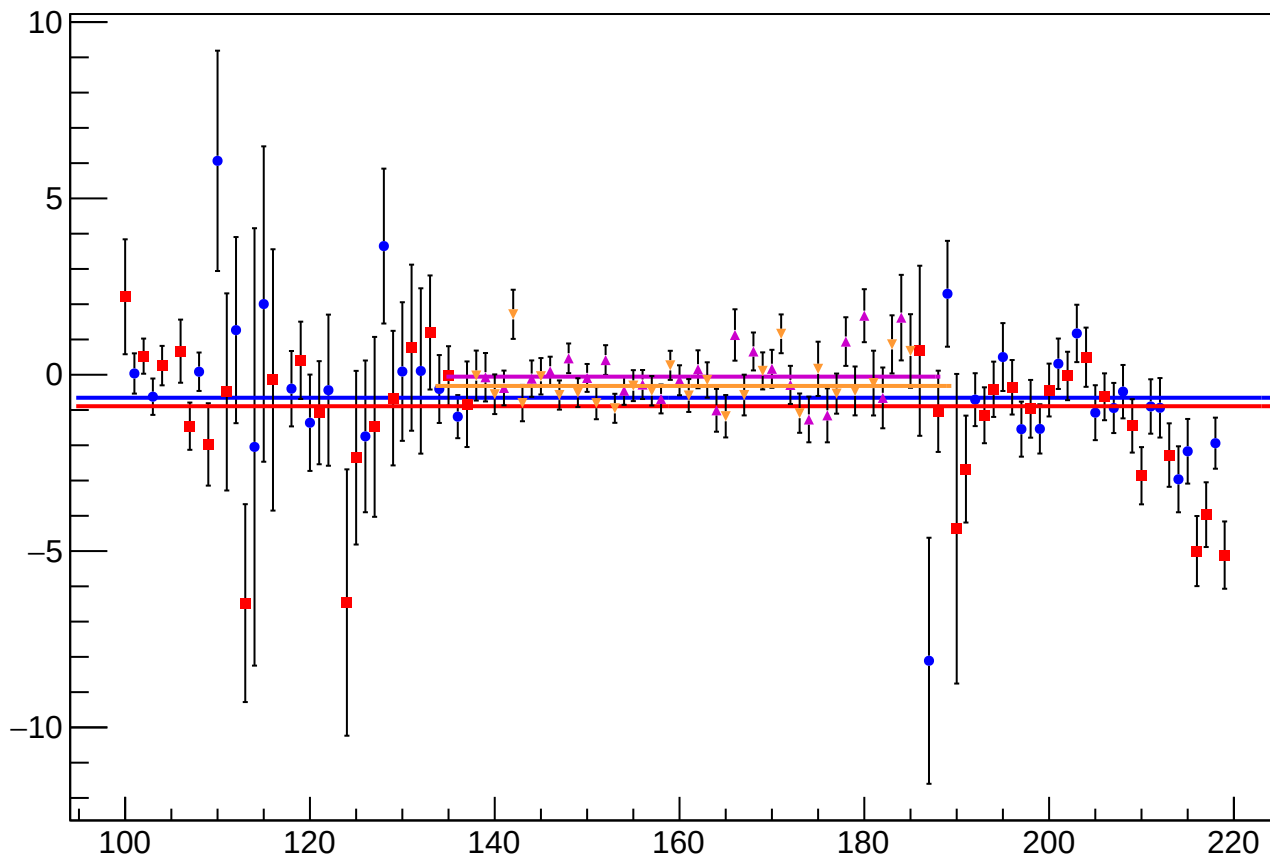
Right Out: 17683.320 $\pm$ 2.829 χ^2 /NDF: 3784615.6/36

All: 10346.064 $\pm$ 0.891 χ^2 /NDF: 23283683.5/

Left In: 8654.310 $\pm$ 1.438 χ^2 /NDF:345603.4/22

- sign 10508.407 $\pm$ 1.282 χ^2 /NDF: 12223754.4/59

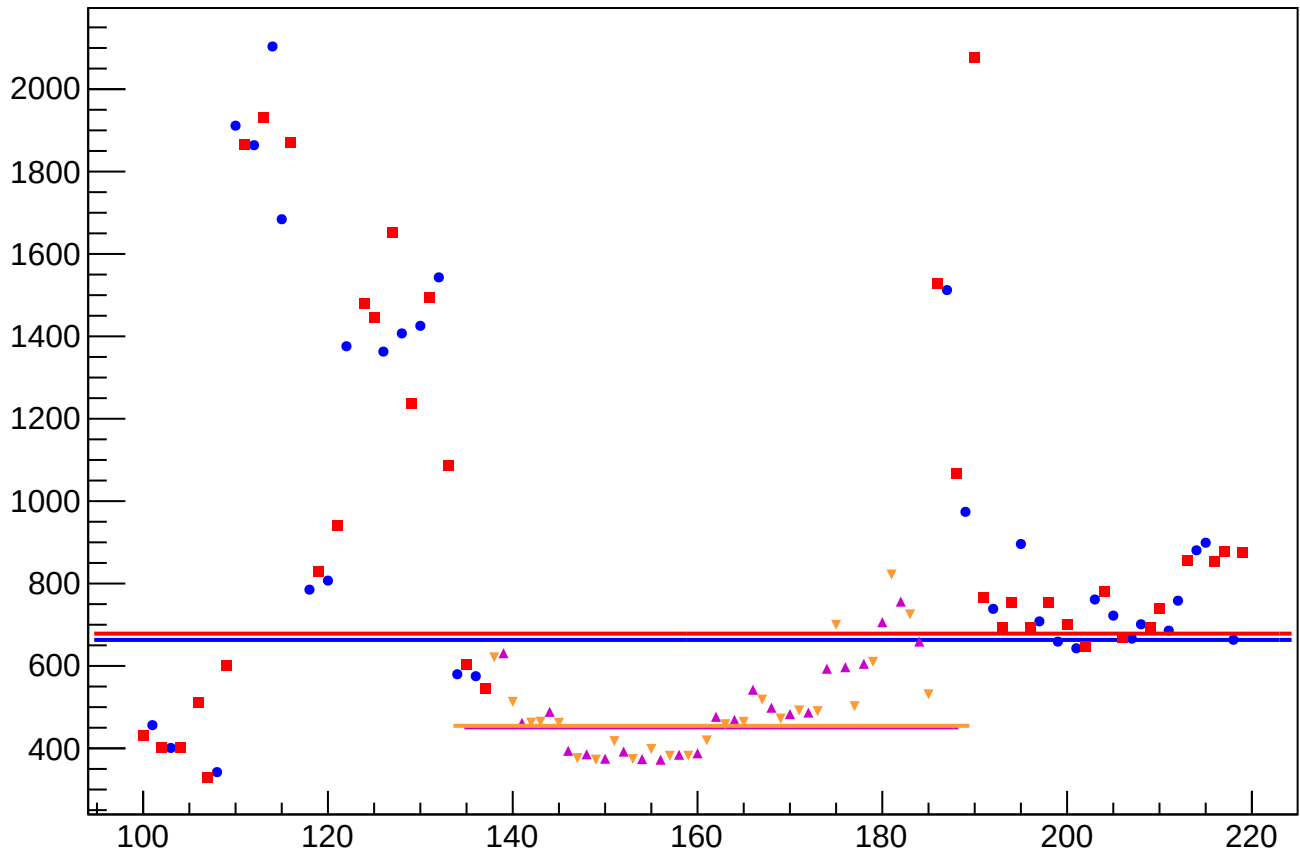
diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.652 ± 0.158 $\chi^2/\text{NDF}: 46.7/31$
 Left Out: -0.318 ± 0.106 $\chi^2/\text{NDF}: 32.3/24$
 Right Out: -0.892 ± 0.158 $\chi^2/\text{NDF}: 96.8/36$
 Left In: -0.054 ± 0.108 $\chi^2/\text{NDF}: 29.8/22$

+ sign -0.421 ± 0.088 $\chi^2/\text{NDF}: 82.1/56$
 All: -0.372 ± 0.063 $\chi^2/\text{NDF}: 228.5/116$
 - sign -0.321 ± 0.089 $\chi^2/\text{NDF}: 145.7/59$

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 663.166 ± 0.112 $\chi^2/\text{NDF}: 4433665.3/31$

Left Out: 454.697 ± 0.075 $\chi^2/\text{NDF}: 1451363.0/24$

Right Out: 678.413 ± 0.112 $\chi^2/\text{NDF}: 5090149.0/36$

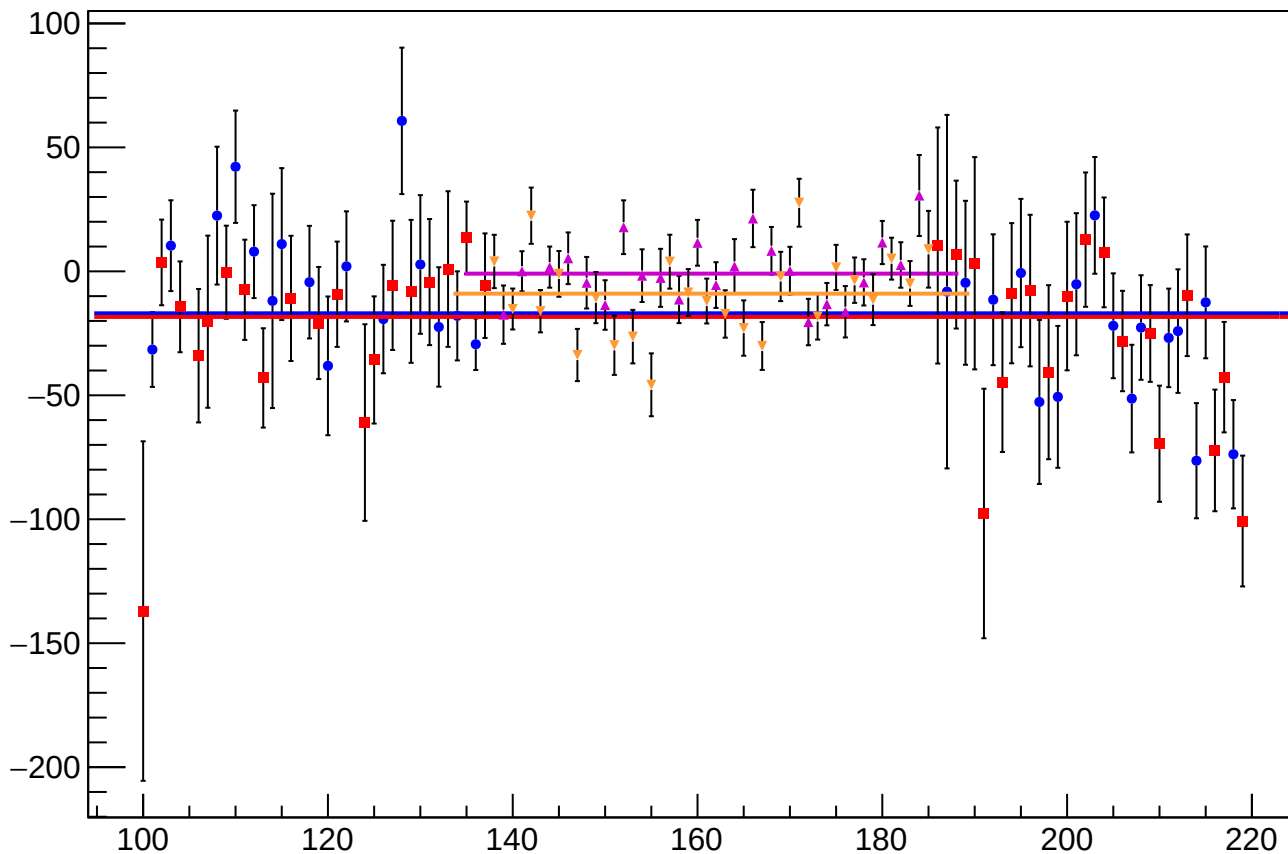
Left In: 450.767 ± 0.076 $\chi^2/\text{NDF}: 1471497.9/22$

+ sign 519.343 ± 0.062 $\chi^2/\text{NDF}: 8284931.1/56$

All: 521.255 ± 0.044 $\chi^2/\text{NDF}: 17669521.2/171$

- sign 523.222 ± 0.063 $\chi^2/\text{NDF}: 9382675.8/59$

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -16.931 ± 3.941 $\chi^2/\text{NDF}: 47.5/31$

Left Out: -9.001 ± 1.982 $\chi^2/\text{NDF}: 61.3/24$

Right Out: -18.388 ± 4.027 $\chi^2/\text{NDF}: 44.9/36$

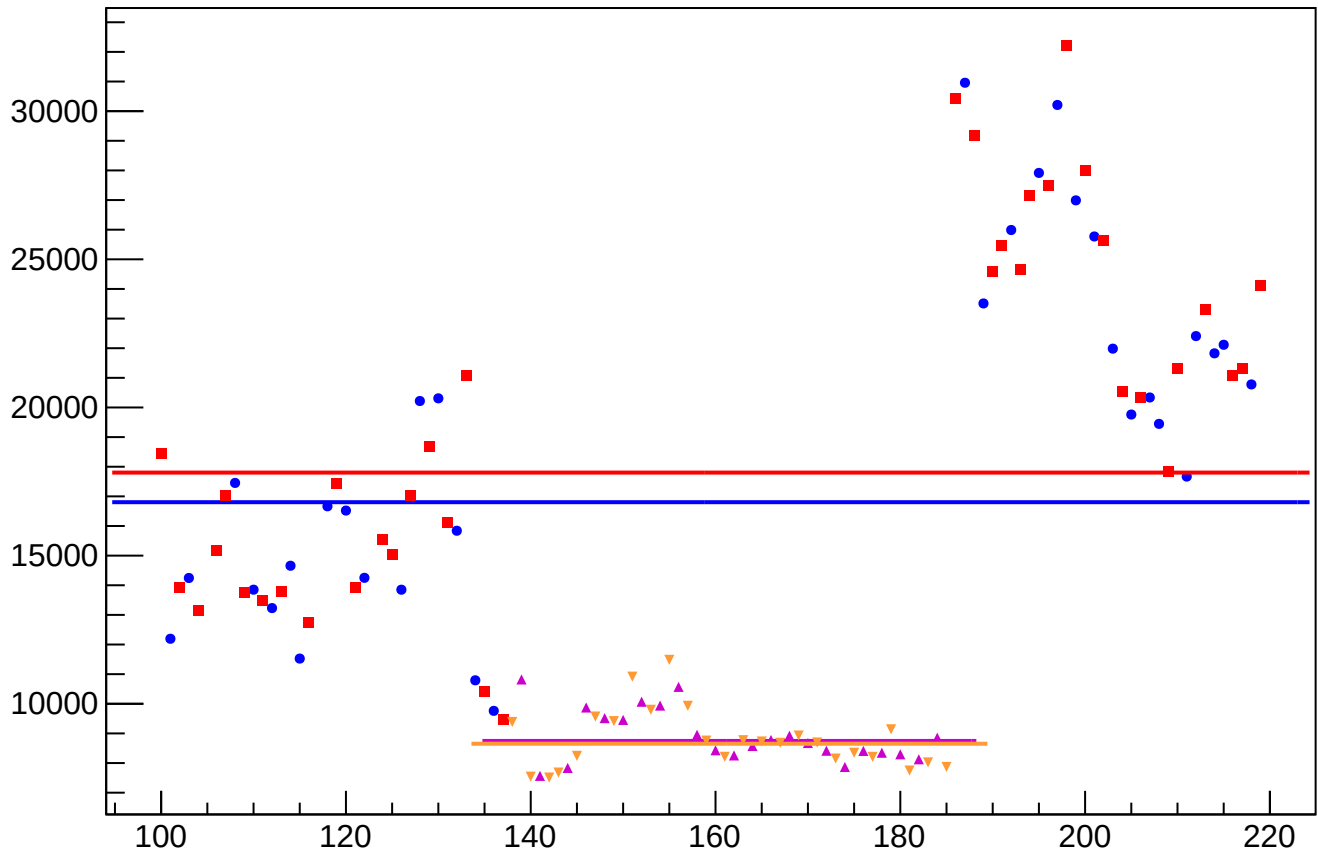
Left In: -0.925 ± 2.056 $\chi^2/\text{NDF}: 29.9/22$

+ sign -10.601 ± 1.770 $\chi^2/\text{NDF}: 112.0/56$

All: -7.670 ± 1.273 $\chi^2/\text{NDF}: 207.3/116$

- sign -4.535 ± 1.831 $\chi^2/\text{NDF}: 89.7/59$

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 16803.250+/-2.786 χ^2/NDF : 3717463.6/31

Left Out: 8651.872+/-1.401 χ^2/NDF : 405419.4/24

Right Out: 17802.736+/-2.847 χ^2/NDF : 3758571.7/36

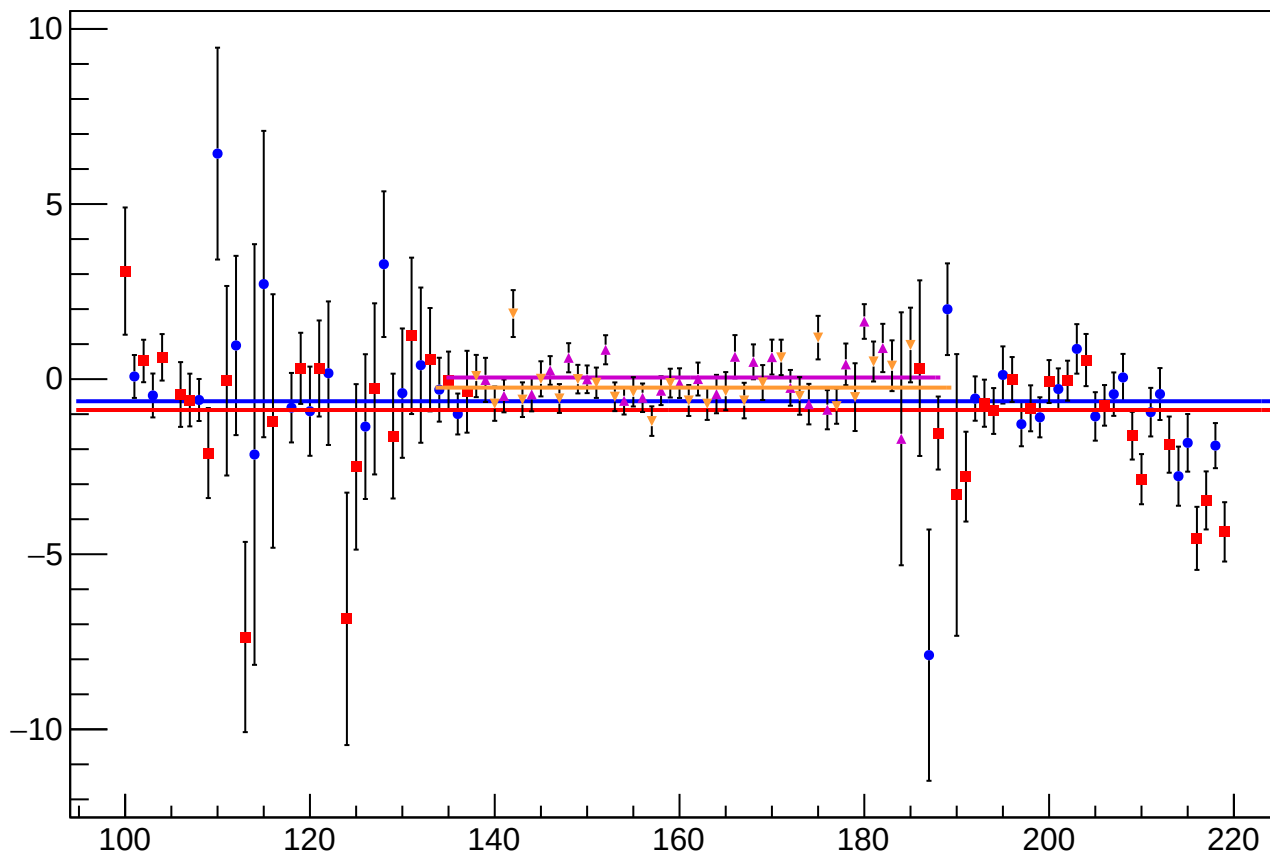
Left In: 8746.106+/-1.454 χ^2/NDF : 331167.0/22

+ sign 10297.300+/-1.252 χ^2/NDF : 10953051.9/56

All: 10452.424+/-0.900 χ^2/NDF : 23099903.1

- sign 10618.307+/-1.295 χ^2/NDF : 12115079.9/59

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.631 ± 0.147 χ^2/NDF : 42.2/31

Left Out: -0.242 ± 0.100 χ^2/NDF : 34.3/24

Right Out: -0.881 ± 0.148 χ^2/NDF : 97.2/36

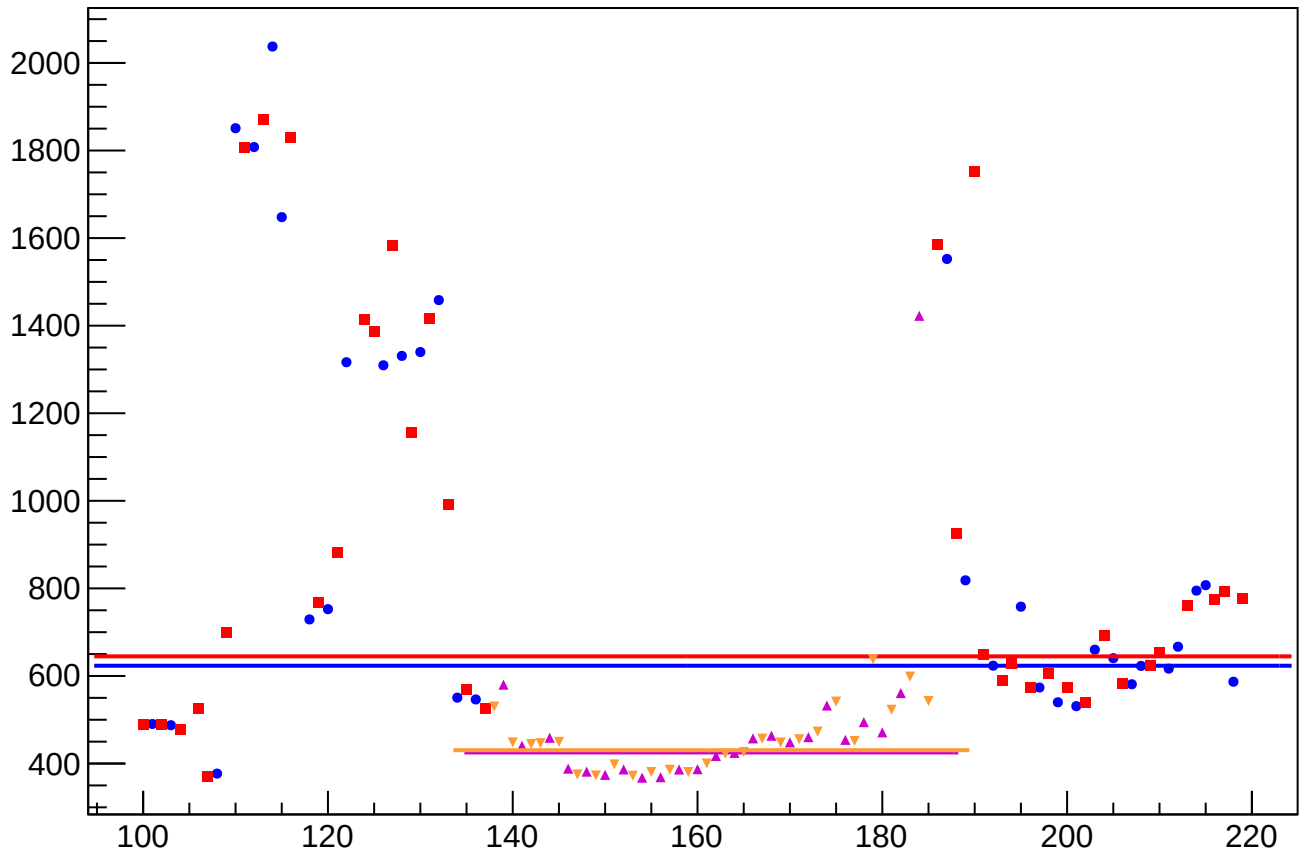
Left In: 0.047 ± 0.102 χ^2/NDF : 35.1/22

+ sign -0.366 ± 0.083 χ^2/NDF : 81.3/56

All: -0.309 ± 0.059 χ^2/NDF : 241.2/116

- sign -0.250 ± 0.084 χ^2/NDF : 158.9/59

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 623.338 $\pm$ 0.104 χ^2 /NDF: 3408695.6/31

Left Out: 430.437 $\pm$ 0.071 χ^2 /NDF: 648114.1/24

+ sign 491.806 $\pm$ 0.059 χ^2 /NDF: 6414537.7/56

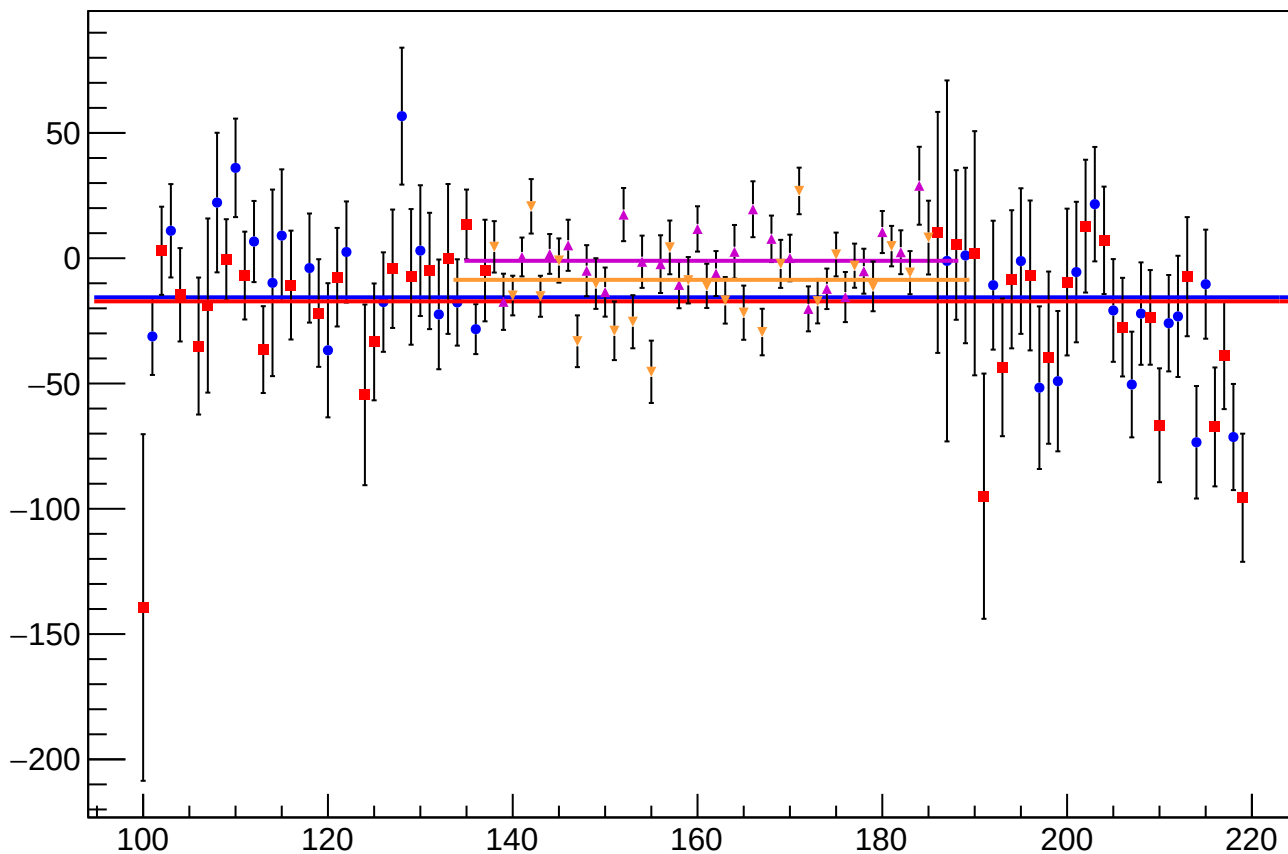
Right Out: 644.768 $\pm$ 0.105 χ^2 /NDF: 3743099.2/36

All: 493.637 $\pm$ 0.042 χ^2 /NDF: 13862491.2/13

- sign 495.515 $\pm$ 0.059 χ^2 /NDF: 7445969.3/59

Left In: 425.312 $\pm$ 0.072 χ^2 /NDF: 716953.2/22

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -15.602 ± 3.762 $\chi^2/\text{NDF}: 48.5/31$

Left Out: -8.623 ± 1.913 $\chi^2/\text{NDF}: 61.6/24$

Right Out: -17.212 ± 3.823 $\chi^2/\text{NDF}: 43.6/36$

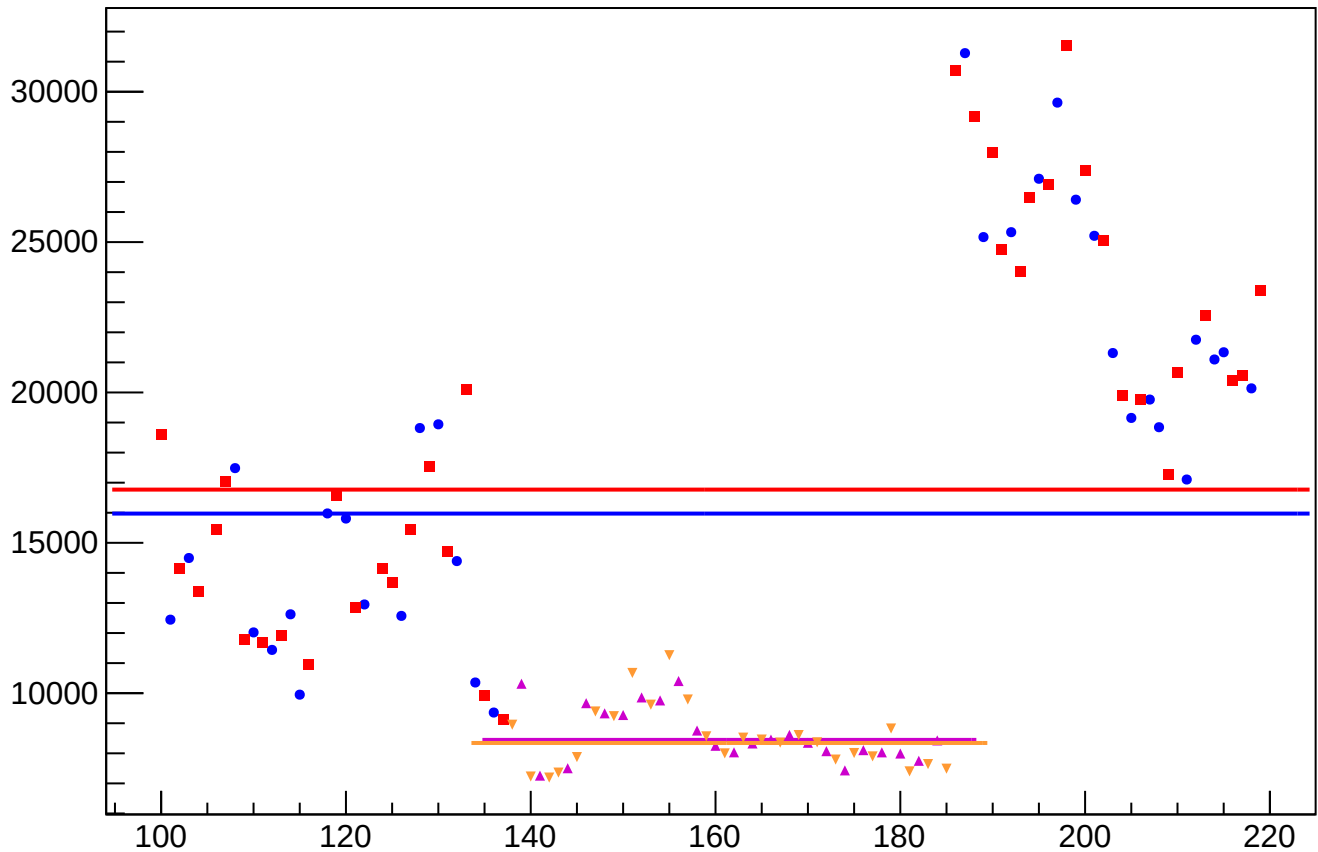
Left In: -1.027 ± 1.987 $\chi^2/\text{NDF}: 29.8/22$

+ sign -10.057 ± 1.705 $\chi^2/\text{NDF}: 112.8/56$

All: -7.355 ± 1.226 $\chi^2/\text{NDF}: 205.5/116$

- sign -4.469 ± 1.763 $\chi^2/\text{NDF}: 87.5/59$

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 15972.322 $\pm$ 2.660 χ^2 /NDF: 4059081.8/31

Left Out: 8344.309 $\pm$ 1.353 χ^2 /NDF:469243.6/24

Right Out: 16769.717 $\pm$ 2.703 χ^2 /NDF: 4344172.8/36

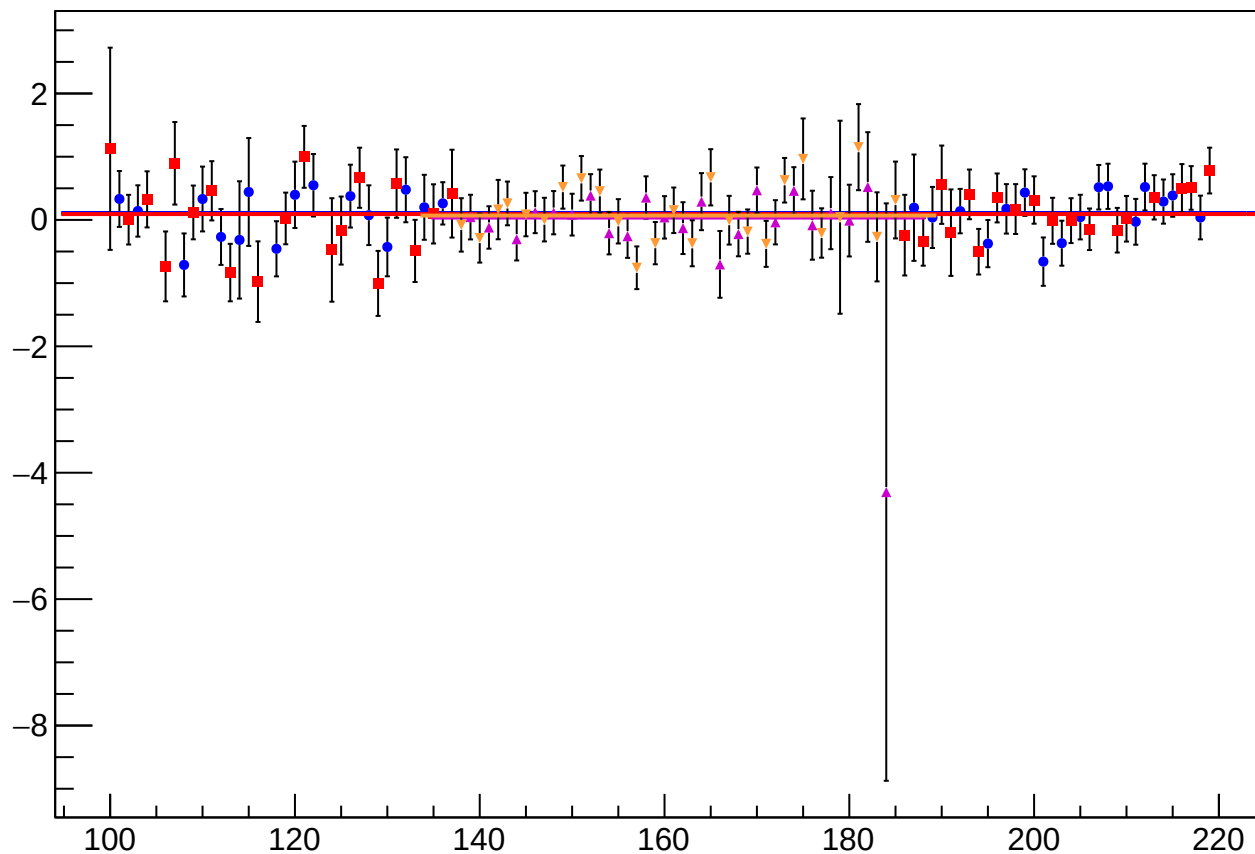
Left In: 8446.686 $\pm$ 1.405 χ^2 /NDF:381901.7/22

+ sign 9911.536 $\pm$ 1.206 χ^2 /NDF: 11061531.8/56

All: 10058.956 $\pm$ 0.867 χ^2 /NDF: 23283052.5

- sign 10216.500 $\pm$ 1.246 χ^2 /NDF: 12190598.4/59

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.109 ± 0.074 χ^2/NDF : 22.9/31

Left Out: 0.069 ± 0.079 χ^2/NDF : 28.2/24

Right Out: 0.092 ± 0.072 χ^2/NDF : 39.3/36

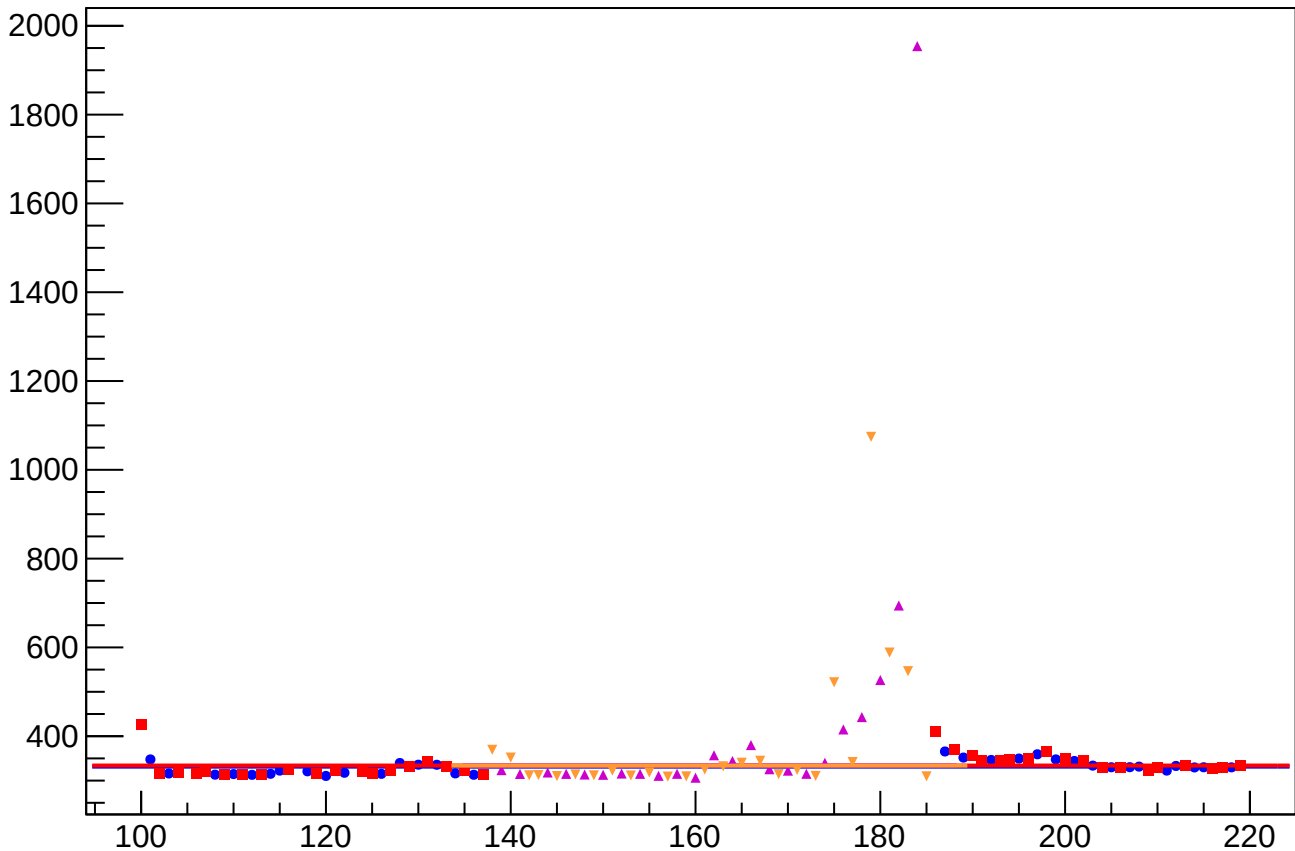
Left In: 0.037 ± 0.081 χ^2/NDF : 11.7/22

+ sign 0.091 ± 0.054 χ^2/NDF : 51.3/56

All: 0.079 ± 0.038 χ^2/NDF : 102.6/116

- sign 0.068 ± 0.054 χ^2/NDF : 51.2/59

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 331.475+/-0.052 χ^2/NDF : 64373.9/31

Left Out: 333.783+/-0.056 χ^2/NDF : 1217257.0/24

Right Out: 333.934+/-0.051 χ^2/NDF : 119773.9/36

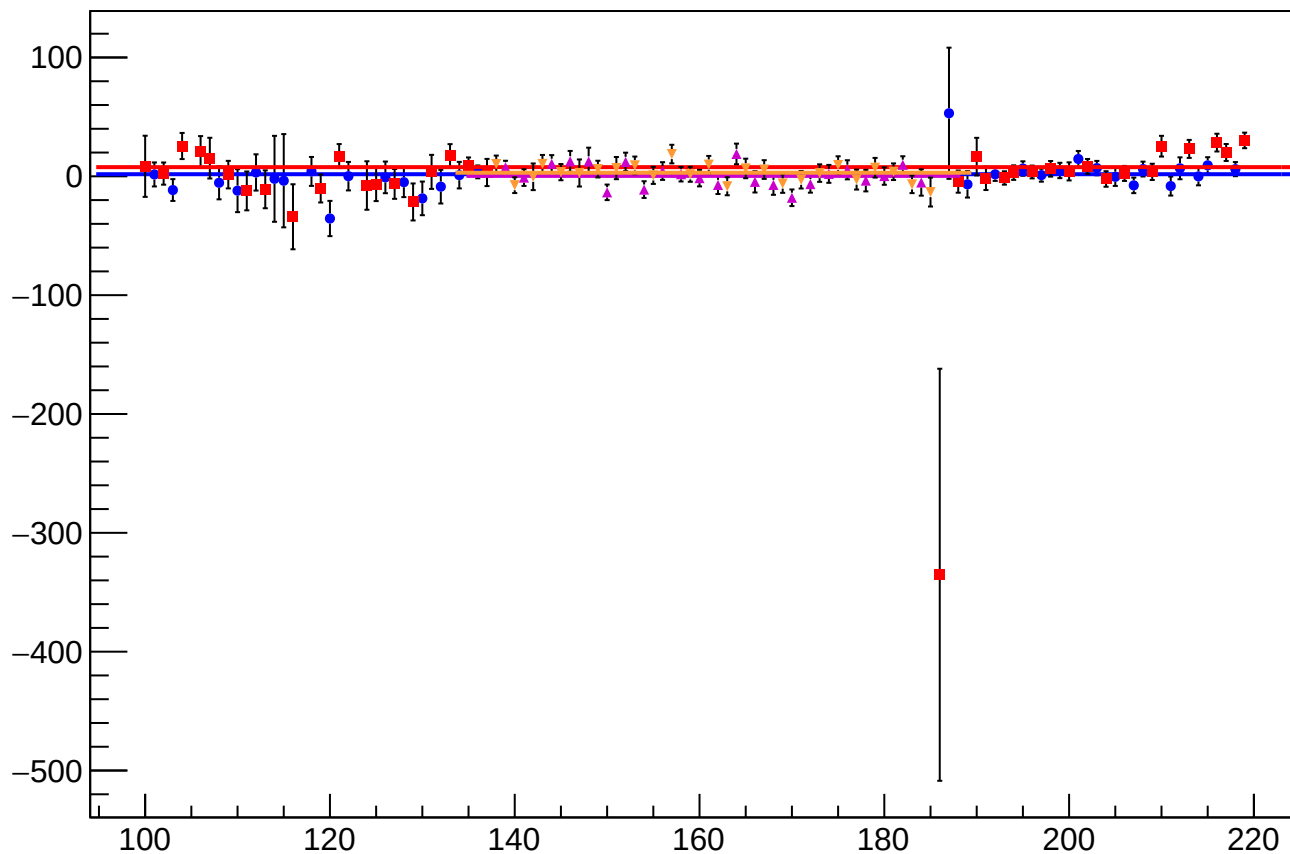
Left In: 333.979+/-0.057 χ^2/NDF : 1050984.2/22

+ sign 332.551+/-0.038 χ^2/NDF : 1282541.2/56

All: 333.255+/-0.027 χ^2/NDF : 2453976.4/116

- sign 333.954+/-0.038 χ^2/NDF : 1170758.5/59

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 1.768 ± 1.487 χ^2/NDF : 25.3/31

Left Out: 3.023 ± 1.542 χ^2/NDF : 20.3/24

Right Out: 7.720 ± 1.456 χ^2/NDF : 65.3/36

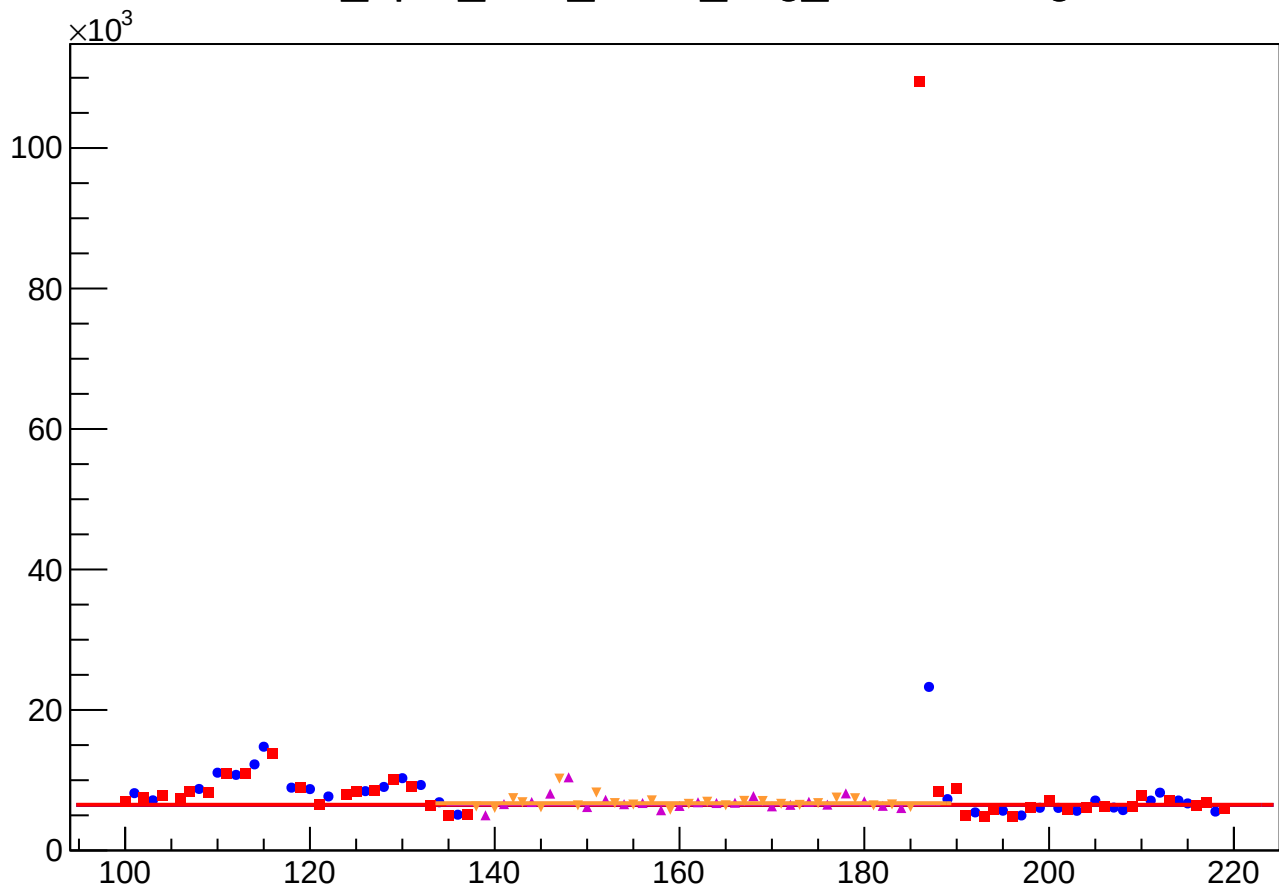
Left In: 0.351 ± 1.568 χ^2/NDF : 33.8/22

+ sign 2.373 ± 1.070 χ^2/NDF : 46.0/56

All: 3.343 ± 0.756 χ^2/NDF : 158.5/116

- sign 4.309 ± 1.067 χ^2/NDF : 110.9/59

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 6470.690 $\pm$ 1.051 χ^2 /NDF: 1885280.3/31

Left Out: 6722.984 $\pm$ 1.090 χ^2 /NDF: 403317.7/24

Right Out: 6501.673 $\pm$ 1.030 χ^2 /NDF: 2457223.1/36

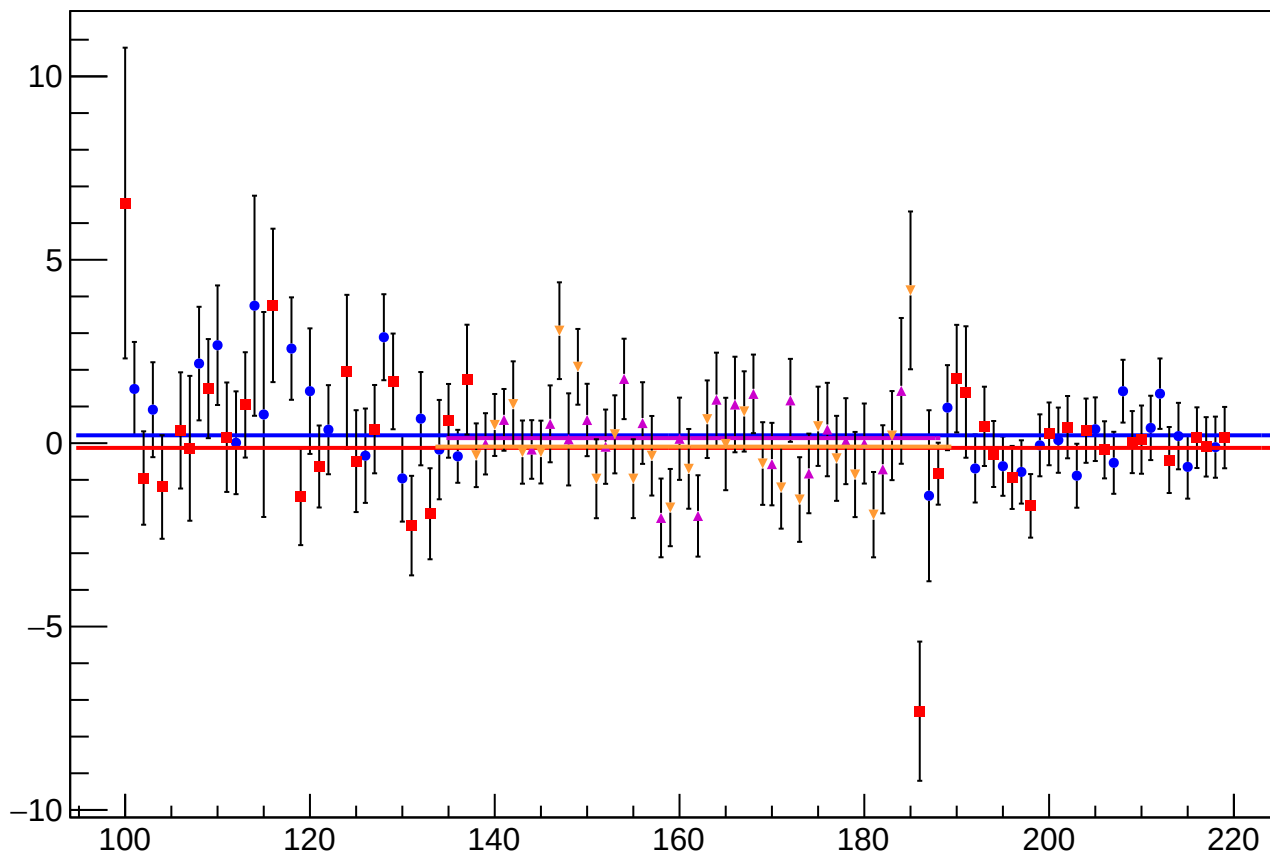
Left In: 6632.723 $\pm$ 1.109 χ^2 /NDF: 629490.9/22

+ sign 6592.273 $\pm$ 0.757 χ^2 /NDF: 2316349.4/56

All: 6577.269 $\pm$ 0.534 χ^2 /NDF: 5411346.4/11

- sign 6562.350 $\pm$ 0.755 χ^2 /NDF: 3094213.0/59

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.214 ± 0.186 χ^2/NDF : 28.6/31

Left Out: -0.095 ± 0.215 χ^2/NDF : 27.3/24

Right Out: -0.129 ± 0.180 χ^2/NDF : 43.4/36

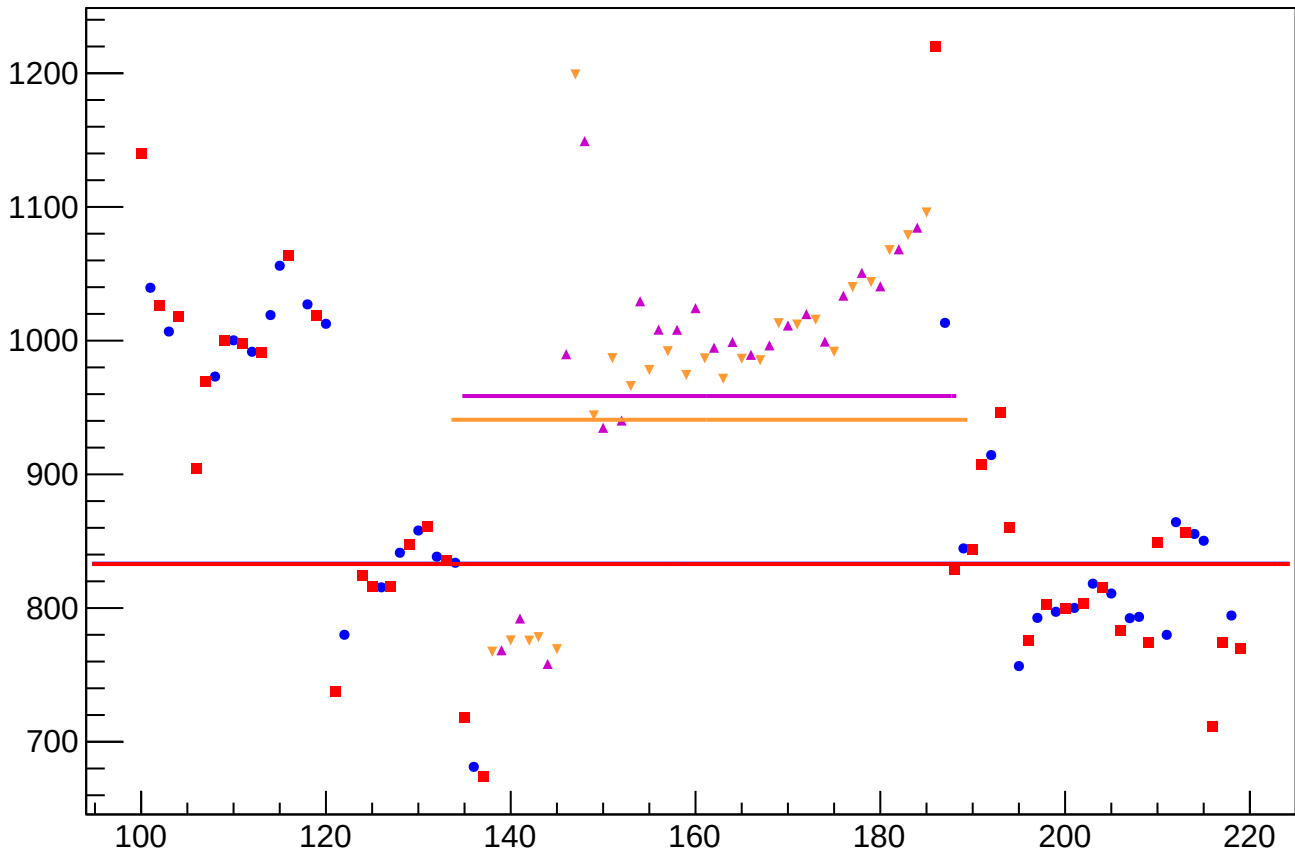
Left In: 0.138 ± 0.225 χ^2/NDF : 16.5/22

+ sign 0.082 ± 0.141 χ^2/NDF : 57.1/56

All: 0.029 ± 0.100 χ^2/NDF : 118.2/116

- sign -0.025 ± 0.141 χ^2/NDF : 60.8/59

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 833.188 $\pm$ 0.132 χ^2 /NDF: 408457.3/31

Left Out: 940.844 $\pm$ 0.152 χ^2 /NDF: 568776.0/24

Right Out: 832.902 $\pm$ 0.128 χ^2 /NDF: 525311.6/36

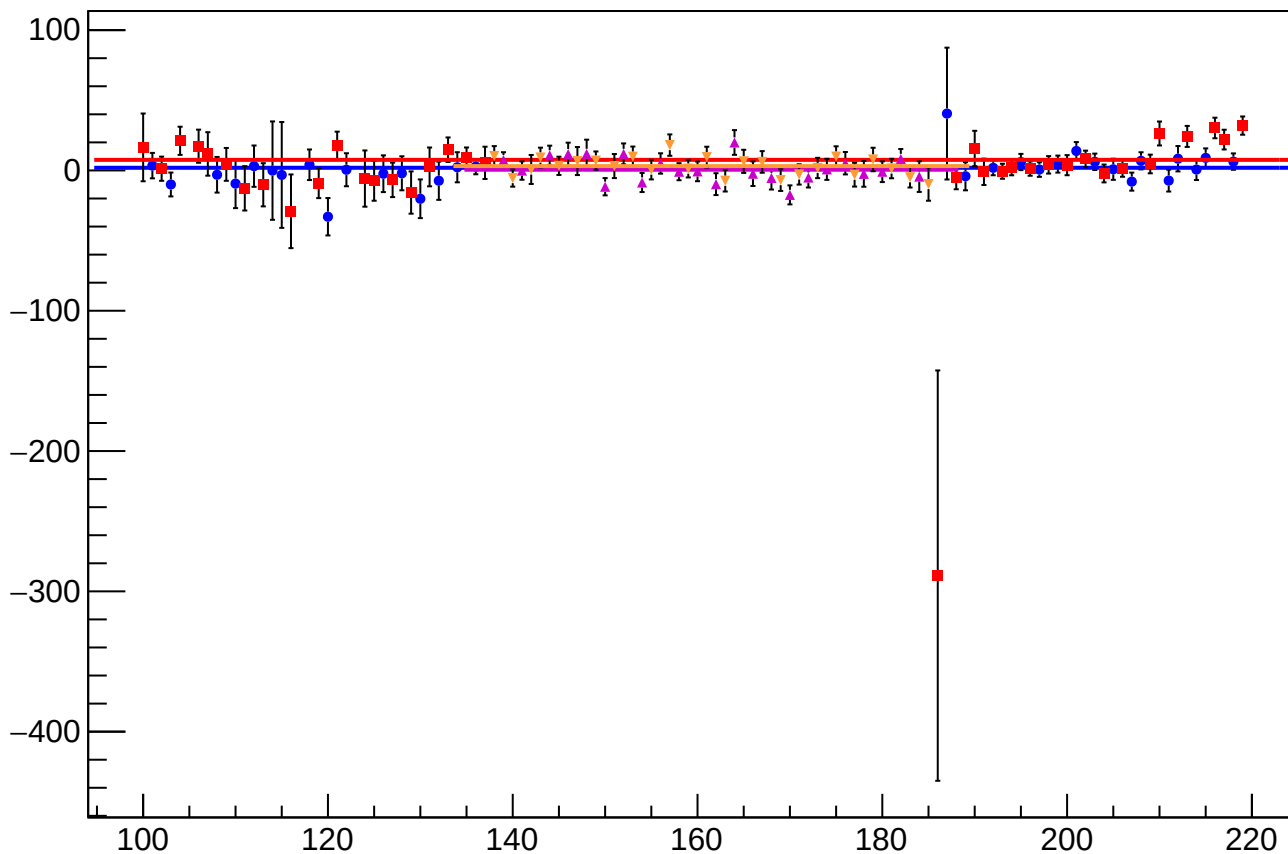
Left In: 958.578 $\pm$ 0.159 χ^2 /NDF: 456824.8/22

+ sign 879.248 $\pm$ 0.100 χ^2 /NDF: 1263142.5/56

All: 880.630 $\pm$ 0.070 χ^2 /NDF: 2624663.4/116

- sign 882.012 $\pm$ 0.100 χ^2 /NDF: 1361136.0/59

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 1.900 $\pm$ 1.429 χ^2 /NDF: 25.2/31

Left Out: 3.099 $\pm$ 1.500 χ^2 /NDF:18.6/24

Right Out: 7.545 $\pm$ 1.394 χ^2 /NDF: 72.1/36

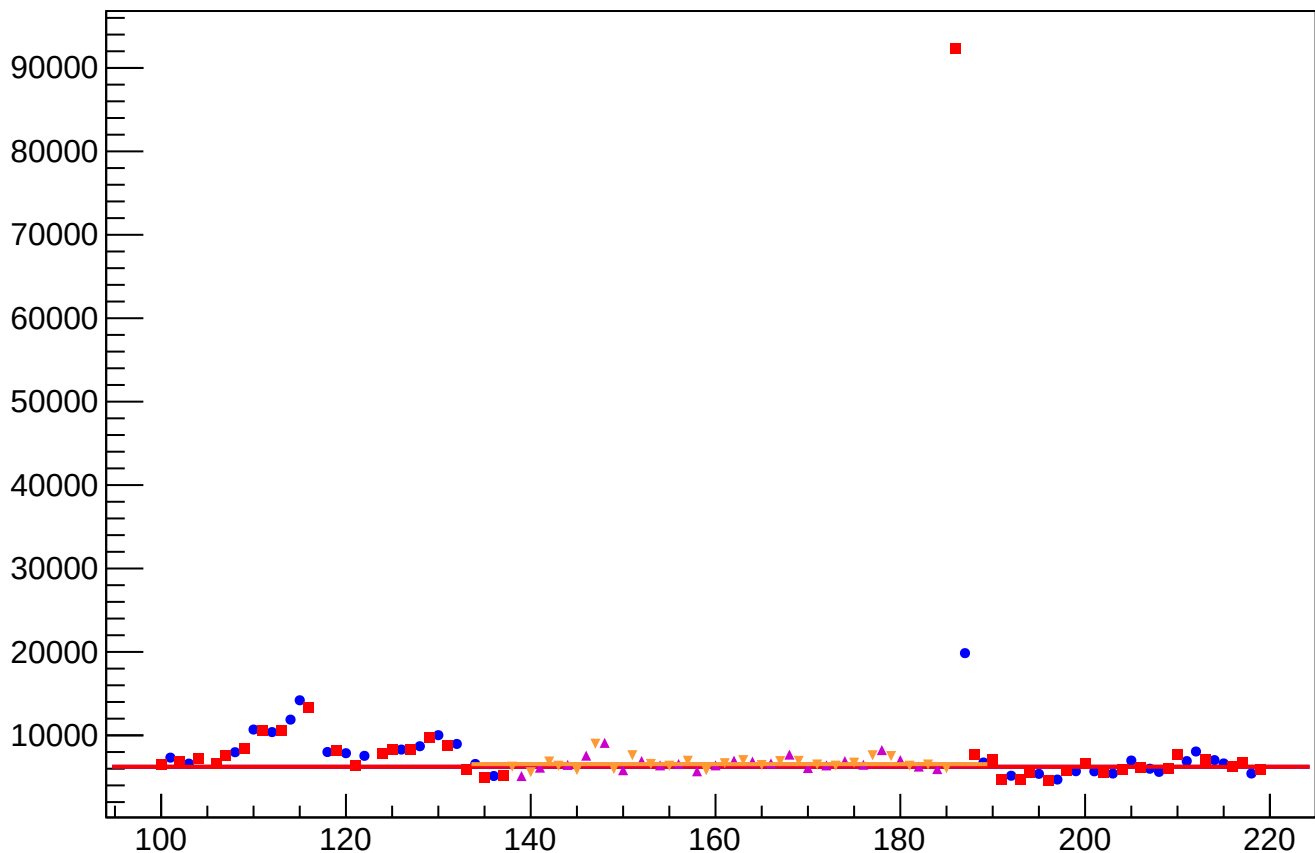
Left In: 0.519 $\pm$ 1.535 χ^2 /NDF:32.0/22

+ sign 2.471 $\pm$ 1.035 χ^2 /NDF: 44.2/56

All: 3.423 $\pm$ 0.731 χ^2 /NDF: 161.4/116

- sign 4.369 $\pm$ 1.032 χ^2 /NDF: 115.5/59

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6231.100+/-1.011 χ^2/NDF : 1806657.8/31

Left Out: 6548.897+/-1.061 χ^2/NDF : 366072.4/24

Right Out: 6236.130+/-0.986 χ^2/NDF : 2403754.8/36

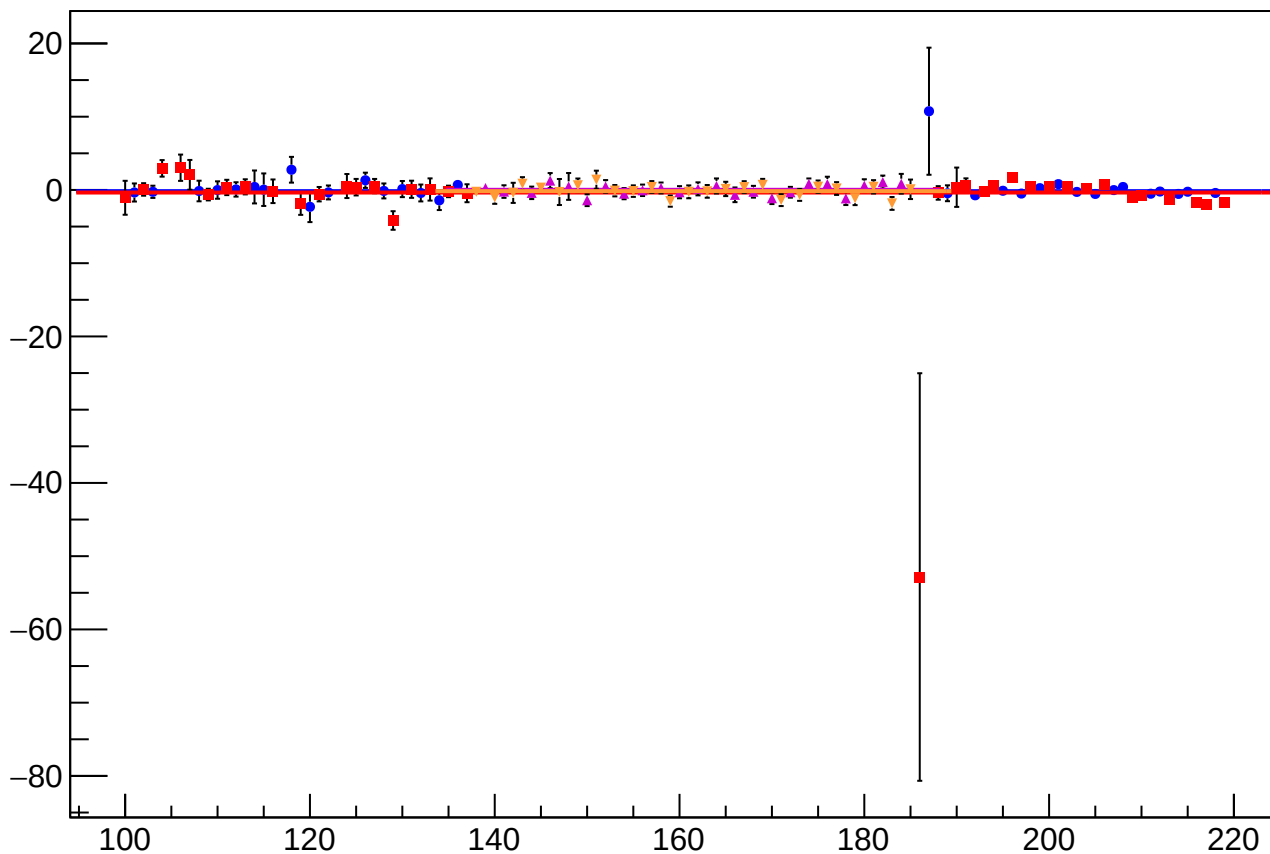
Left In: 6505.057+/-1.085 χ^2/NDF : 515496.8/22

+ sign 6382.319+/-0.732 χ^2/NDF : 2219772.1/56

All: 6369.968+/-0.517 χ^2/NDF : 5173238.5/11

- sign 6357.687+/-0.730 χ^2/NDF : 2952898.2/59

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.165 ± 0.117 χ^2/NDF : 19.1/31

Left Out: -0.162 ± 0.172 χ^2/NDF : 19.0/24

Right Out: -0.353 ± 0.116 χ^2/NDF : 102.1/36

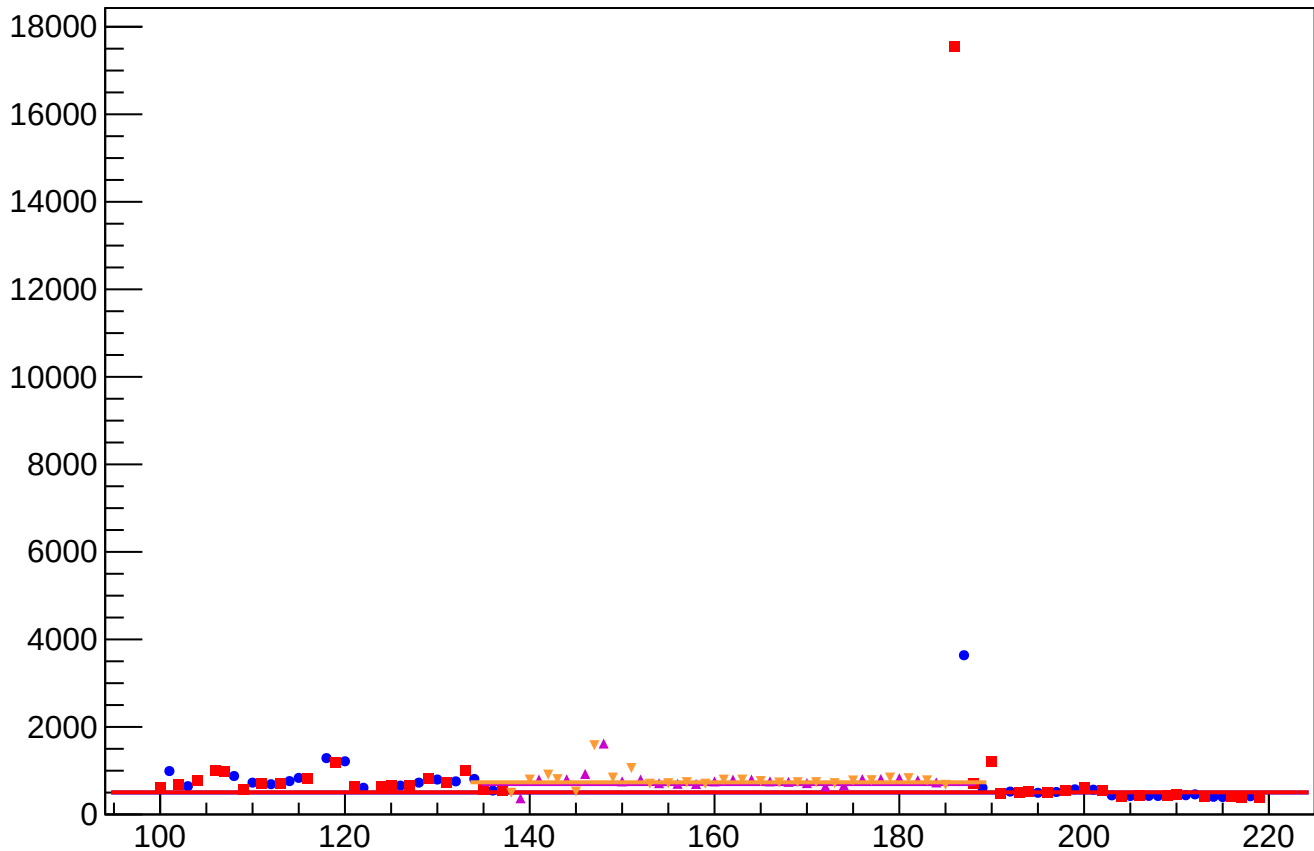
Left In: 0.017 ± 0.169 χ^2/NDF : 15.2/22

+ sign -0.164 ± 0.097 χ^2/NDF : 38.1/56

All: -0.200 ± 0.068 χ^2/NDF : 159.0/116

- sign -0.235 ± 0.095 χ^2/NDF : 120.6/59

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 500.832+/-0.082 χ^2/NDF : 2817194.5/31

Left Out: 734.984+/-0.122 χ^2/NDF : 1339748.9/24

Right Out: 506.039+/-0.082 χ^2/NDF : 3393972.1/36

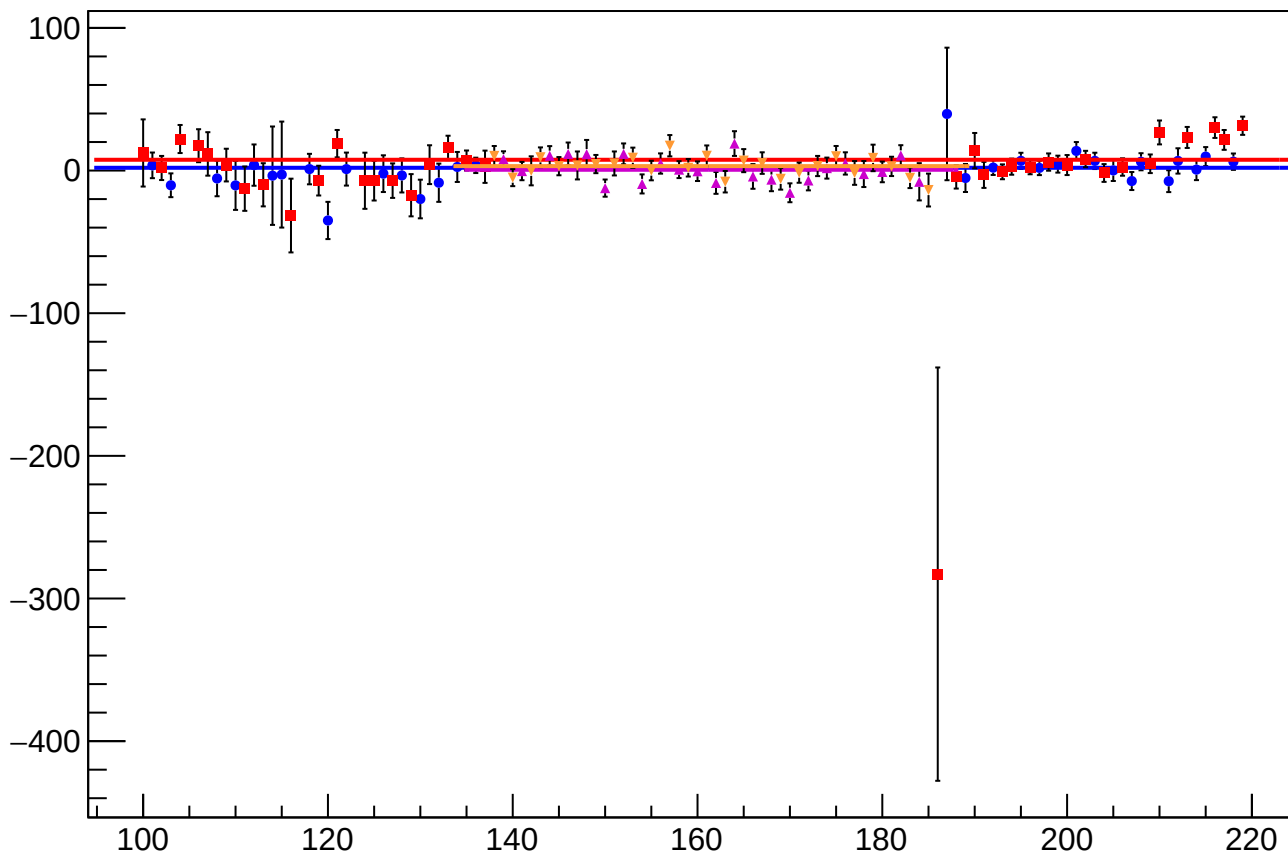
Left In: 694.150+/-0.120 χ^2/NDF : 2225094.5/22

+ sign 574.535+/-0.068 χ^2/NDF : 6693312.6/56

All: 570.194+/-0.048 χ^2/NDF : 14007624.9/112

- sign 565.956+/-0.067 χ^2/NDF : 7306324.7/59

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 1.949 ± 1.402 χ^2/NDF : 27.7/31

Left Out: 3.111 ± 1.476 χ^2/NDF : 18.7/24

Right Out: 7.564 ± 1.367 χ^2/NDF : 72.5/36

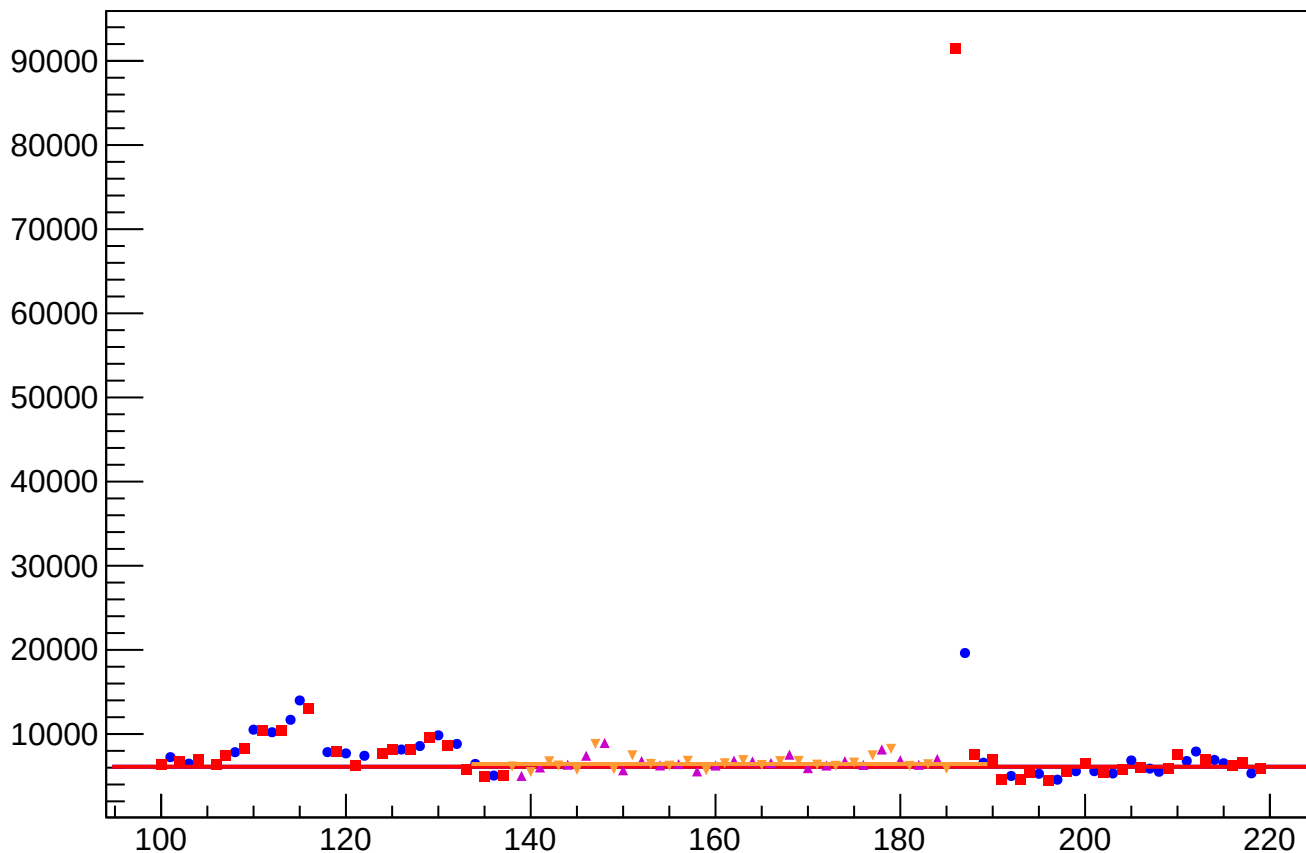
Left In: 0.550 ± 1.512 χ^2/NDF : 33.6/22

+ sign 2.500 ± 1.017 χ^2/NDF : 46.7/56

All: 3.457 ± 0.718 χ^2/NDF : 166.4/116

- sign 4.410 ± 1.014 χ^2/NDF : 117.9/59

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6108.523+/-0.992 χ^2/NDF : 1837659.4/31

Left Out: 6435.363+/-1.044 χ^2/NDF : 417318.3/24

Right Out: 6112.024+/-0.967 χ^2/NDF : 2430142.7/36

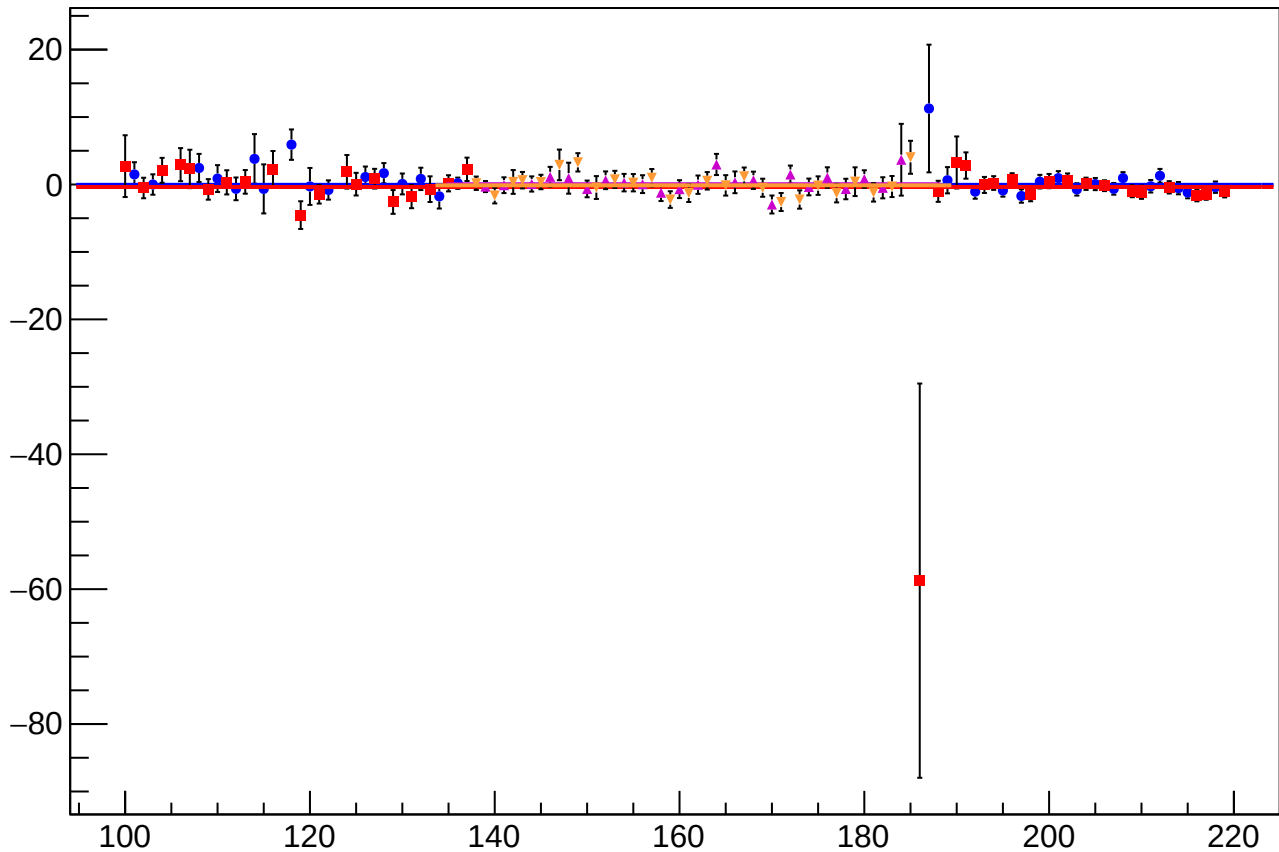
Left In: 6405.229+/-1.069 χ^2/NDF : 525079.4/22

+ sign 6263.556+/-0.719 χ^2/NDF : 2306512.7/56

All: 6253.691+/-0.508 χ^2/NDF : 5303475.1/11

- sign 6243.874+/-0.717 χ^2/NDF : 2996586.7/59

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: -0.051 ± 0.212 χ^2/NDF : 27.5/31

Left Out: -0.122 ± 0.273 χ^2/NDF : 27.0/24

Right Out: -0.370 ± 0.208 χ^2/NDF : 36.1/36

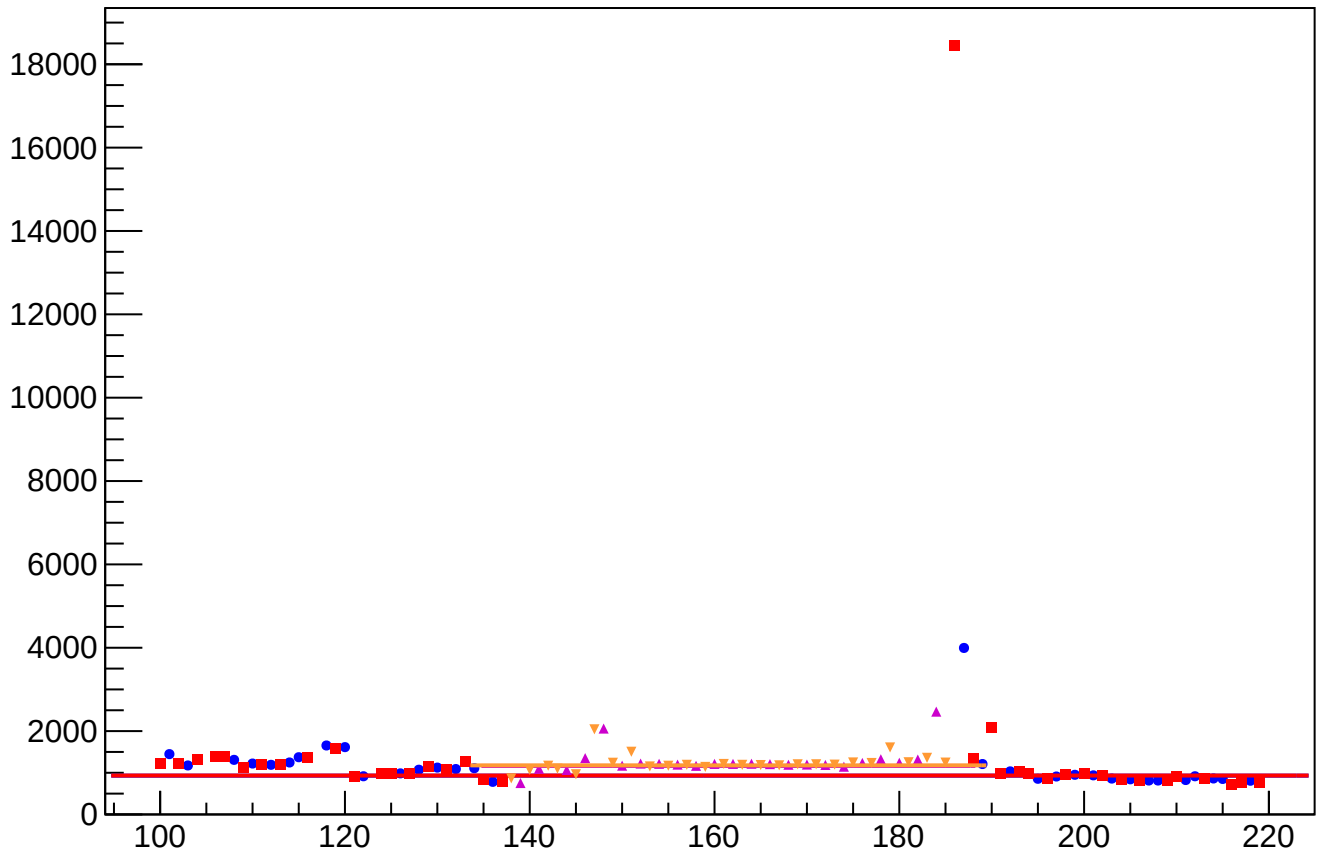
Left In: 0.029 ± 0.279 χ^2/NDF : 14.4/22

+ sign -0.078 ± 0.167 χ^2/NDF : 54.5/56

All: -0.153 ± 0.118 χ^2/NDF : 106.7/116

- sign -0.227 ± 0.167 χ^2/NDF : 51.8/59

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 930.882 $\pm$ 0.150 χ^2 /NDF: 1381628.9/31

Left Out: 1177.742 $\pm$ 0.193 χ^2 /NDF: 800899.0/24

Right Out: 933.832 $\pm$ 0.147 χ^2 /NDF: 2285040.0/36

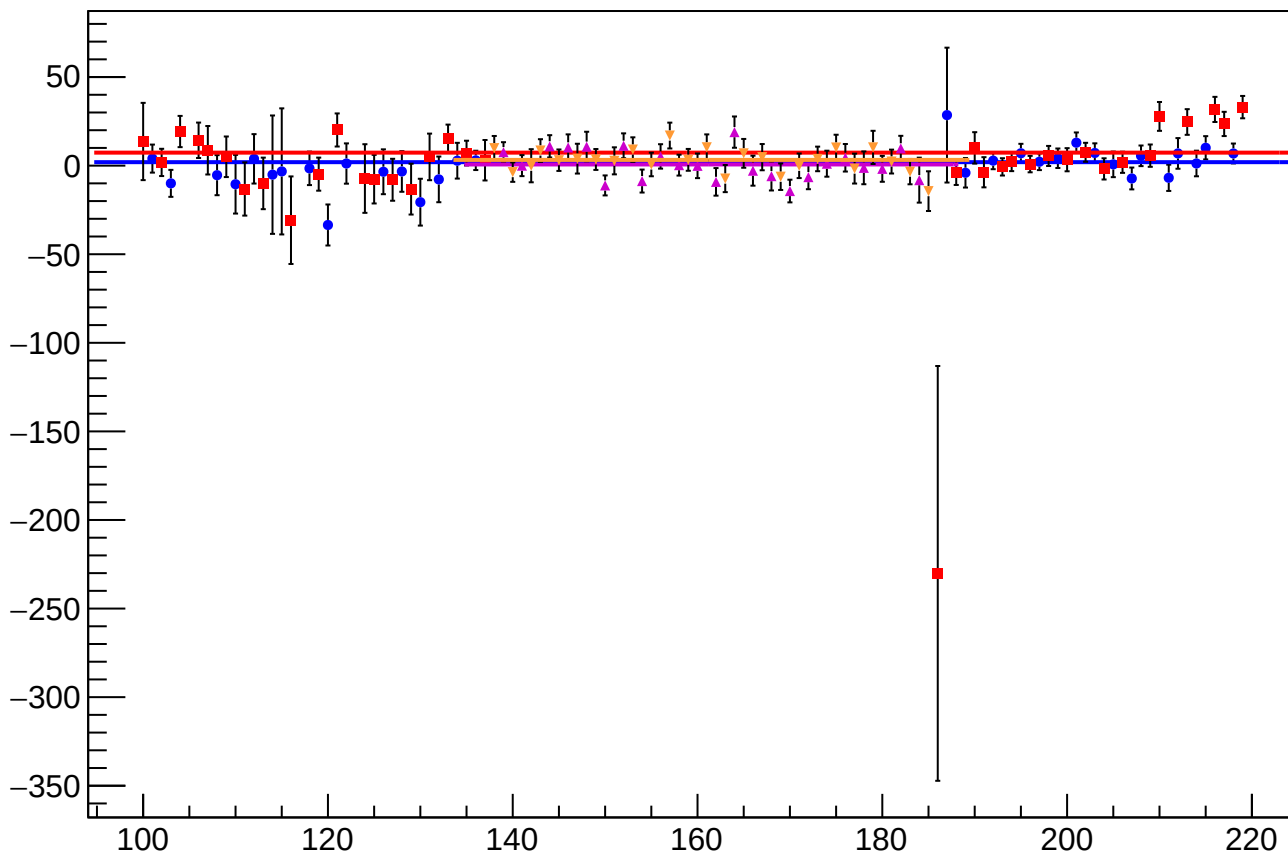
Left In: 1163.827 $\pm$ 0.197 χ^2 /NDF: 1052206.0/22

+ sign 1023.551 $\pm$ 0.118 χ^2 /NDF: 3201170.9/56

All: 1019.956 $\pm$ 0.084 χ^2 /NDF: 7414176.0/11

- sign 1016.387 $\pm$ 0.118 χ^2 /NDF: 4211169.1/59

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: 1.962 ± 1.333 χ^2/NDF : 30.3/31

Left Out: 3.234 ± 1.430 χ^2/NDF : 17.9/24

Right Out: 7.342 ± 1.290 χ^2/NDF : 82.6/36

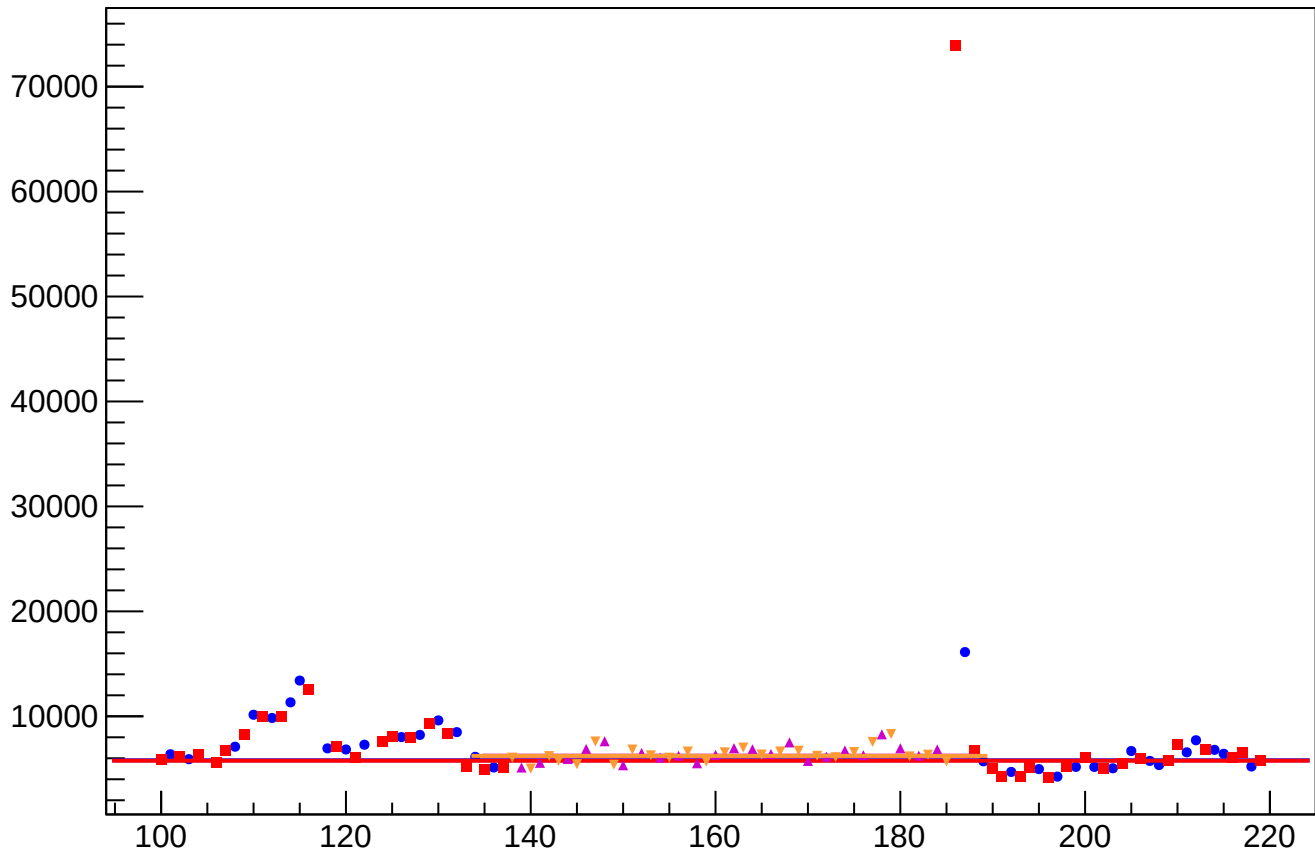
Left In: 0.667 ± 1.474 χ^2/NDF : 32.4/22

+ sign 2.554 ± 0.975 χ^2/NDF : 48.7/56

All: 3.503 ± 0.688 χ^2/NDF : 177.1/116

- sign 4.445 ± 0.971 χ^2/NDF : 126.5/59

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5807.085+/-0.942 χ^2/NDF : 1851801.0/31

Left Out: 6228.654+/-1.011 χ^2/NDF : 470851.7/24

Right Out: 5770.009+/-0.912 χ^2/NDF : 2508409.6/36

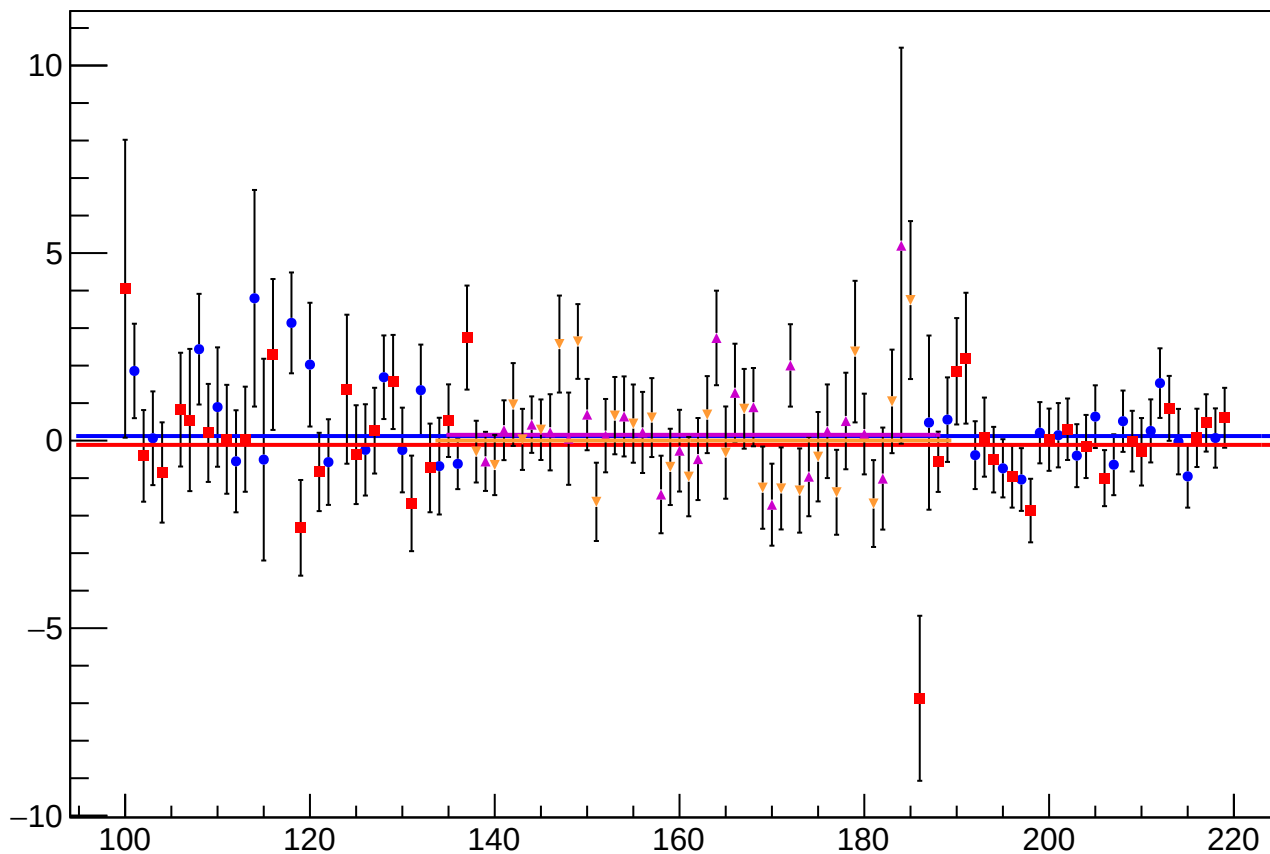
Left In: 6246.800+/-1.042 χ^2/NDF : 484982.9/22

+ sign 6003.112+/-0.689 χ^2/NDF : 2415700.0/56

All: 5989.968+/-0.486 χ^2/NDF : 5528311.7/11

- sign 5976.931+/-0.686 χ^2/NDF : 3111887.5/59

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.122 ± 0.179 χ^2/NDF : 27.6/31

Left Out: 0.003 ± 0.212 χ^2/NDF : 31.6/24

Right Out: -0.114 ± 0.173 χ^2/NDF : 39.4/36

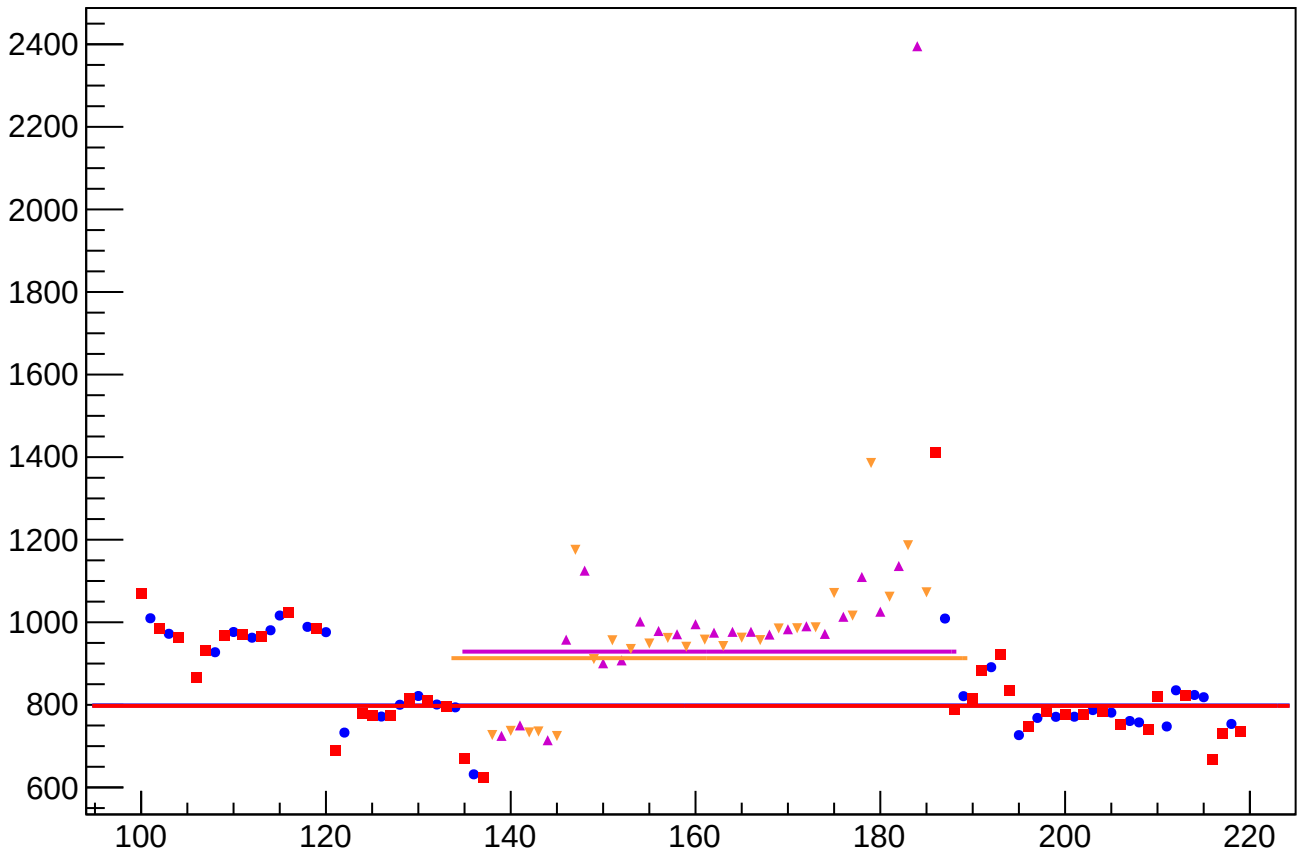
Left In: 0.154 ± 0.221 χ^2/NDF : 18.4/22

+ sign 0.073 ± 0.137 χ^2/NDF : 59.4/56

All: 0.030 ± 0.097 χ^2/NDF : 118.3/116

- sign -0.012 ± 0.136 χ^2/NDF : 58.7/59

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 798.493 $\pm$ 0.126 χ^2 /NDF: 471959.3/31

Left Out: 913.070 $\pm$ 0.150 χ^2 /NDF:889200.0/24

Right Out: 797.498 $\pm$ 0.122 χ^2 /NDF: 657961.4/36

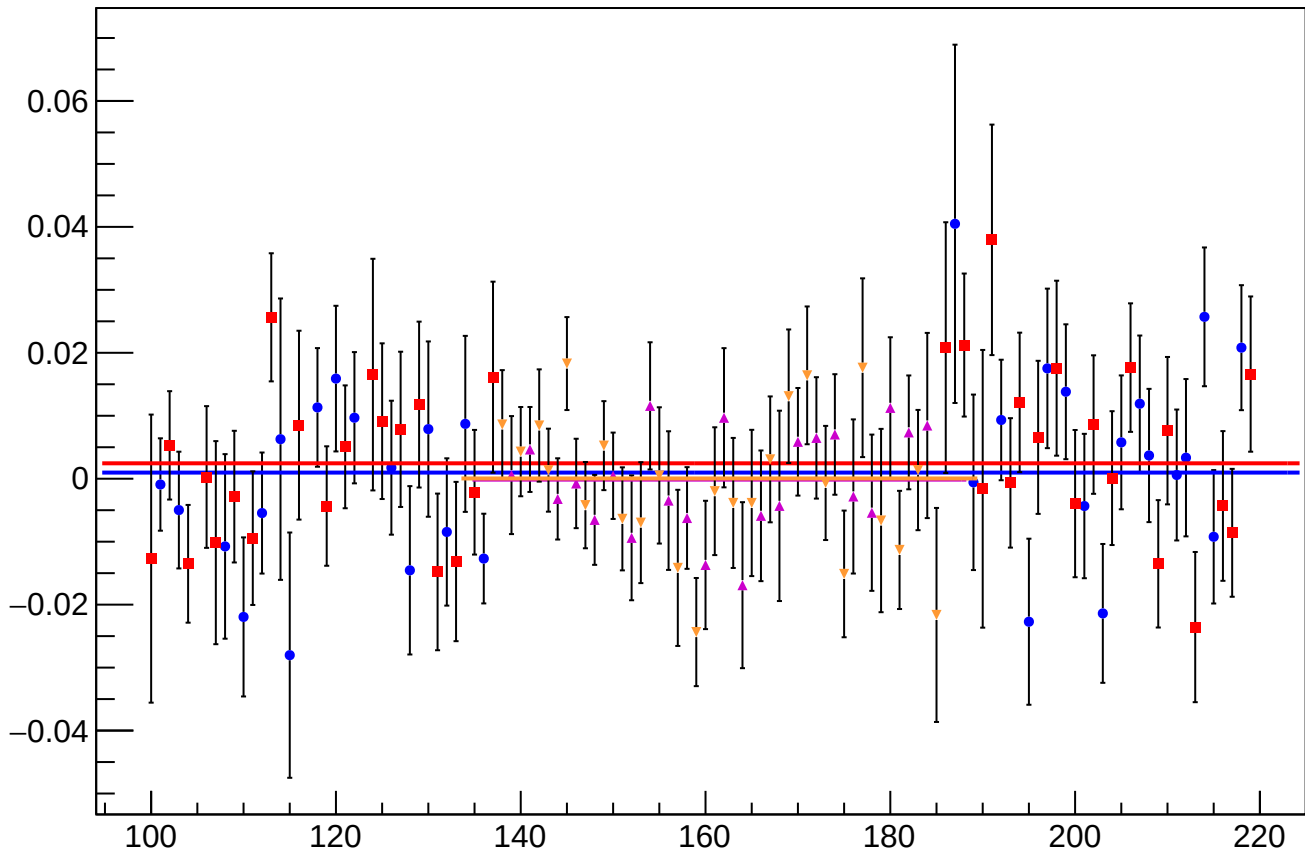
Left In: 928.913 $\pm$ 0.156 χ^2 /NDF:769065.0/22

+ sign 846.126 $\pm$ 0.097 χ^2 /NDF: 1702738.1/56

All: 846.807 $\pm$ 0.068 χ^2 /NDF: 3567779.1/116

- sign 847.486 $\pm$ 0.096 χ^2 /NDF: 1864941.7/59

diff_dispE_bpm12X_mean vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2/NDF : 41.6/31

Left Out: 0.000 $\pm$ 0.002 χ^2/NDF : 31.1/24

Right Out: 0.002 $\pm$ 0.002 χ^2/NDF : 40.3/36

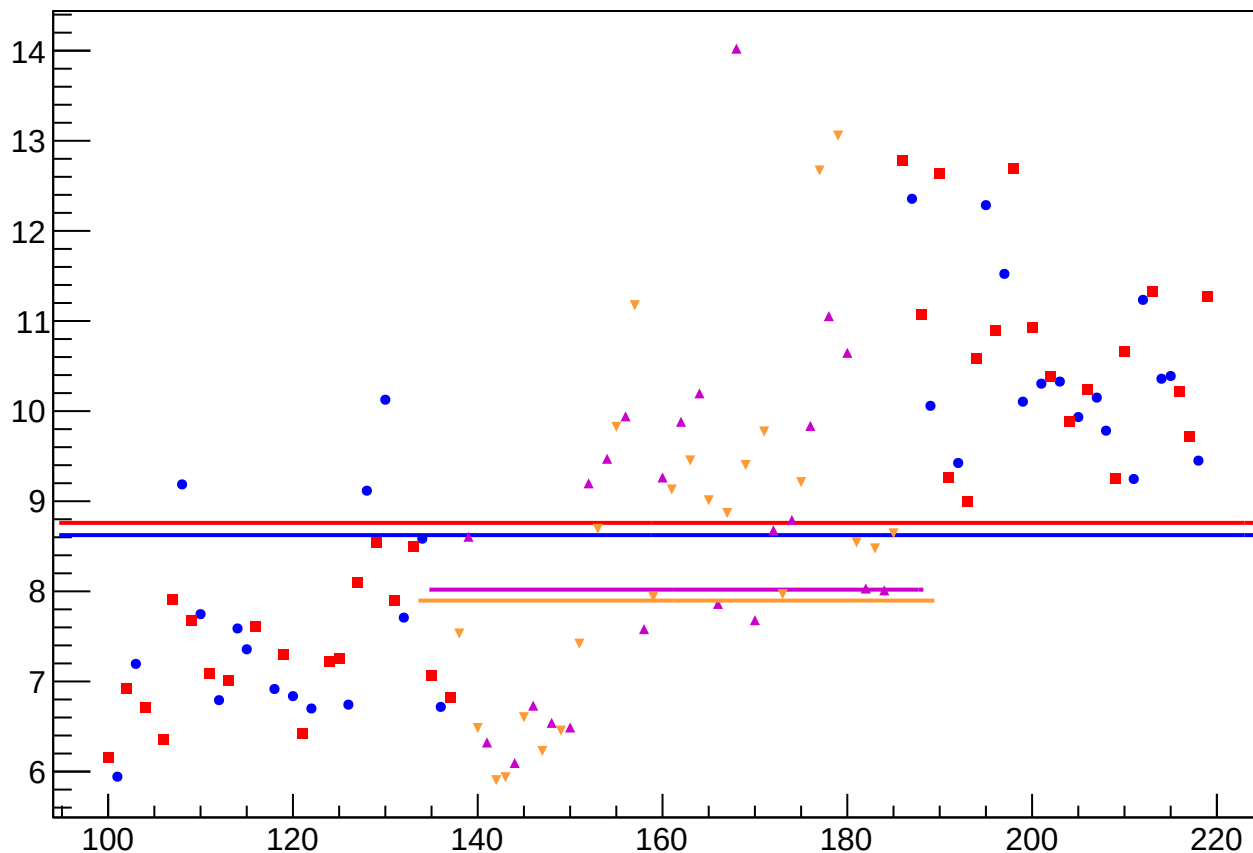
Left In: -0.000 $\pm$ 0.002 χ^2/NDF : 12.8/22

+ sign 0.000 $\pm$ 0.001 χ^2/NDF : 72.9/56

All: 0.001 $\pm$ 0.001 χ^2/NDF : 127.0/116

- sign 0.001 $\pm$ 0.001 χ^2/NDF : 54.0/59

diff_dispE_bpm12X_rms vs Slug



Right In: 8.624 $\pm$ 0.001 χ^2 /NDF: 1603226.3/31

Left Out: 7.897 $\pm$ 0.001 χ^2 /NDF:1590867.7/24

Right Out: 8.760 $\pm$ 0.001 χ^2 /NDF: 1727032.9/36

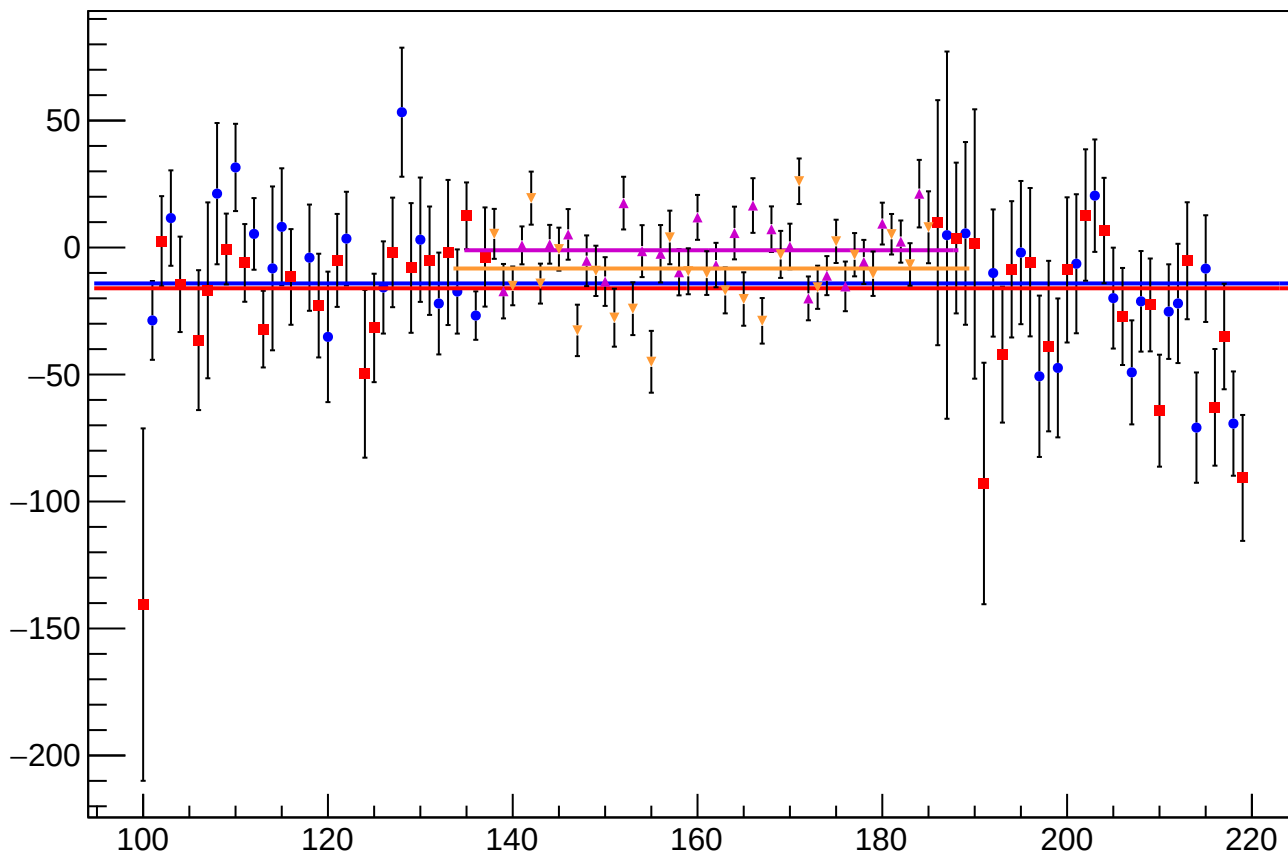
Left In: 8.019 $\pm$ 0.001 χ^2 /NDF:1455714.6/22

+ sign 8.238 $\pm$ 0.001 χ^2 /NDF: 3339552.1/56

All: 8.311 $\pm$ 0.001 χ^2 /NDF: 6682685.5/116

- sign 8.386 $\pm$ 0.001 χ^2 /NDF: 3331069.4/59

diff_targ_positionX_mean vs Slug



Right In: -14.135 ± 3.579 χ^2/NDF : 49.3/31

Left Out: -8.256 ± 1.849 χ^2/NDF : 62.2/24

Right Out: -16.050 ± 3.609 χ^2/NDF : 43.0/36

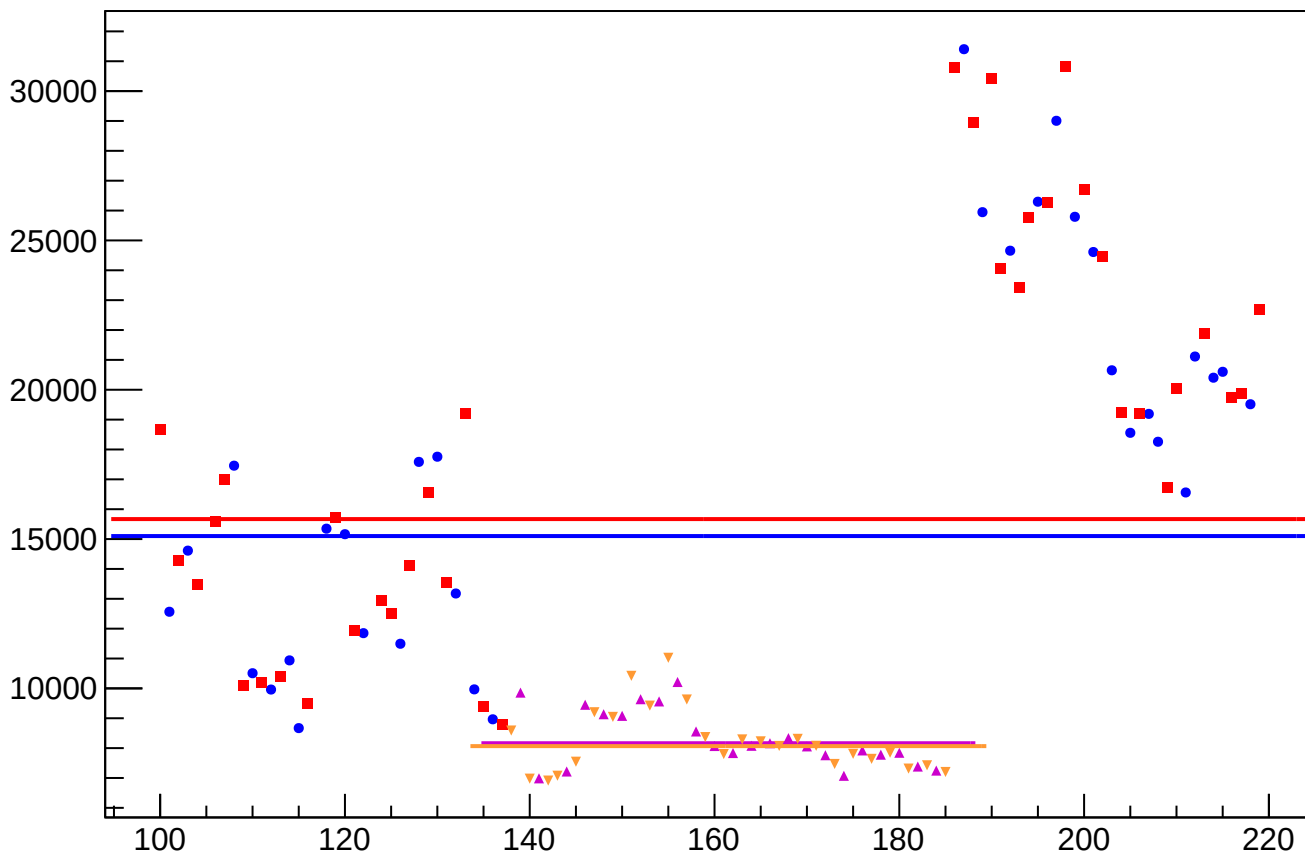
Left In: -1.072 ± 1.921 χ^2/NDF : 28.8/22

+ sign -9.495 ± 1.643 χ^2/NDF : 113.6/56

All: -7.017 ± 1.180 χ^2/NDF : 203.5/116

- sign -4.378 ± 1.696 χ^2/NDF : 85.3/59

diff_targ_positionX_rms vs Slug



Right In: 15100.658+/-2.531 χ^2/NDF : 4517543.9/31

Left Out: 8066.710+/-1.308 χ^2/NDF : 498146.1/24

+ sign 9549.303+/-1.162 χ^2/NDF : 11113551.0/56

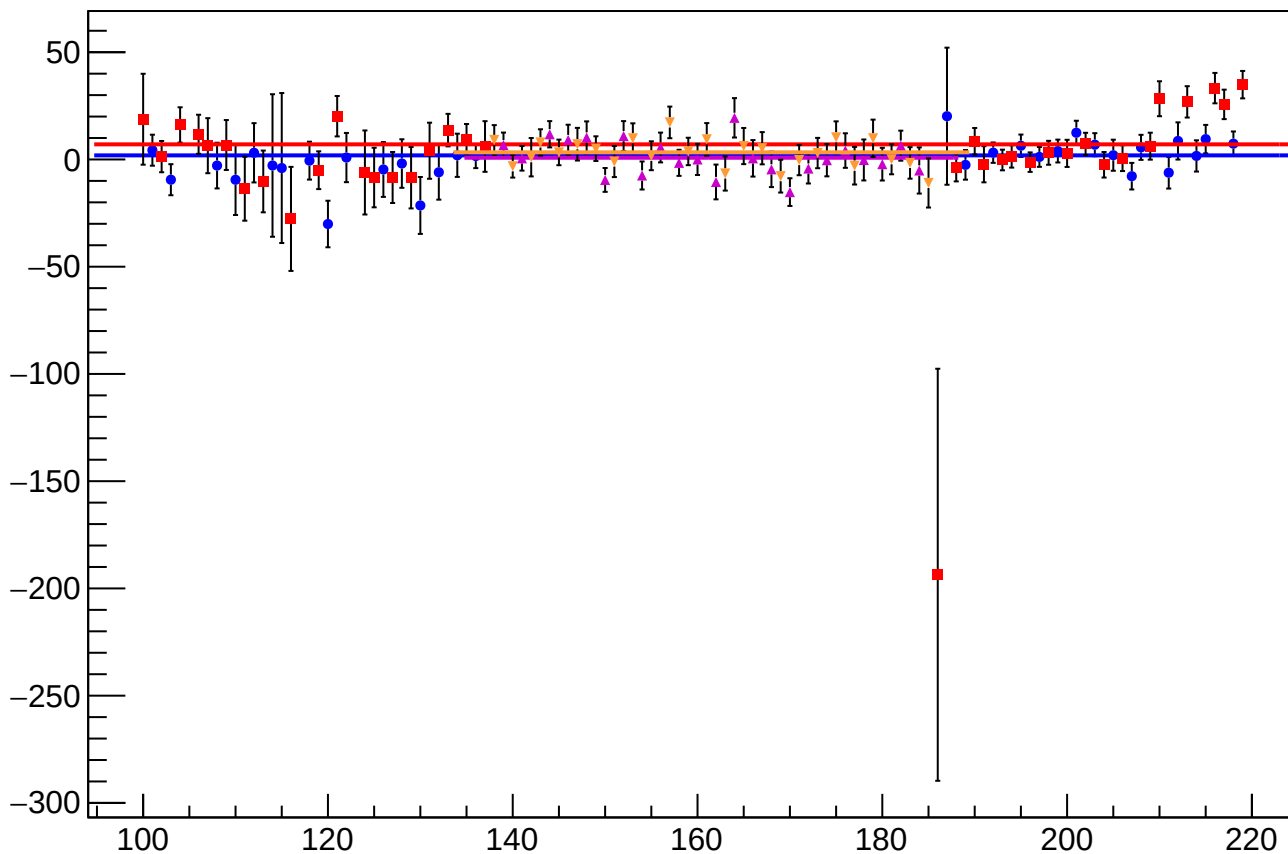
Right Out: 15669.241+/-2.552 χ^2/NDF : 5115495.2/36

All: 9680.432+/-0.834 χ^2/NDF : 23427909.4/100

Left In: 8163.472+/-1.358 χ^2/NDF : 432350.3/22

- sign 9820.101+/-1.199 χ^2/NDF : 12288049.7/59

diff_targ_positionY_mean vs Slug



Right In: 1.903 ± 1.309 χ^2/NDF : 29.0/31

Left Out: 3.330 ± 1.431 χ^2/NDF : 16.9/24

Right Out: 7.042 ± 1.255 χ^2/NDF : 91.2/36

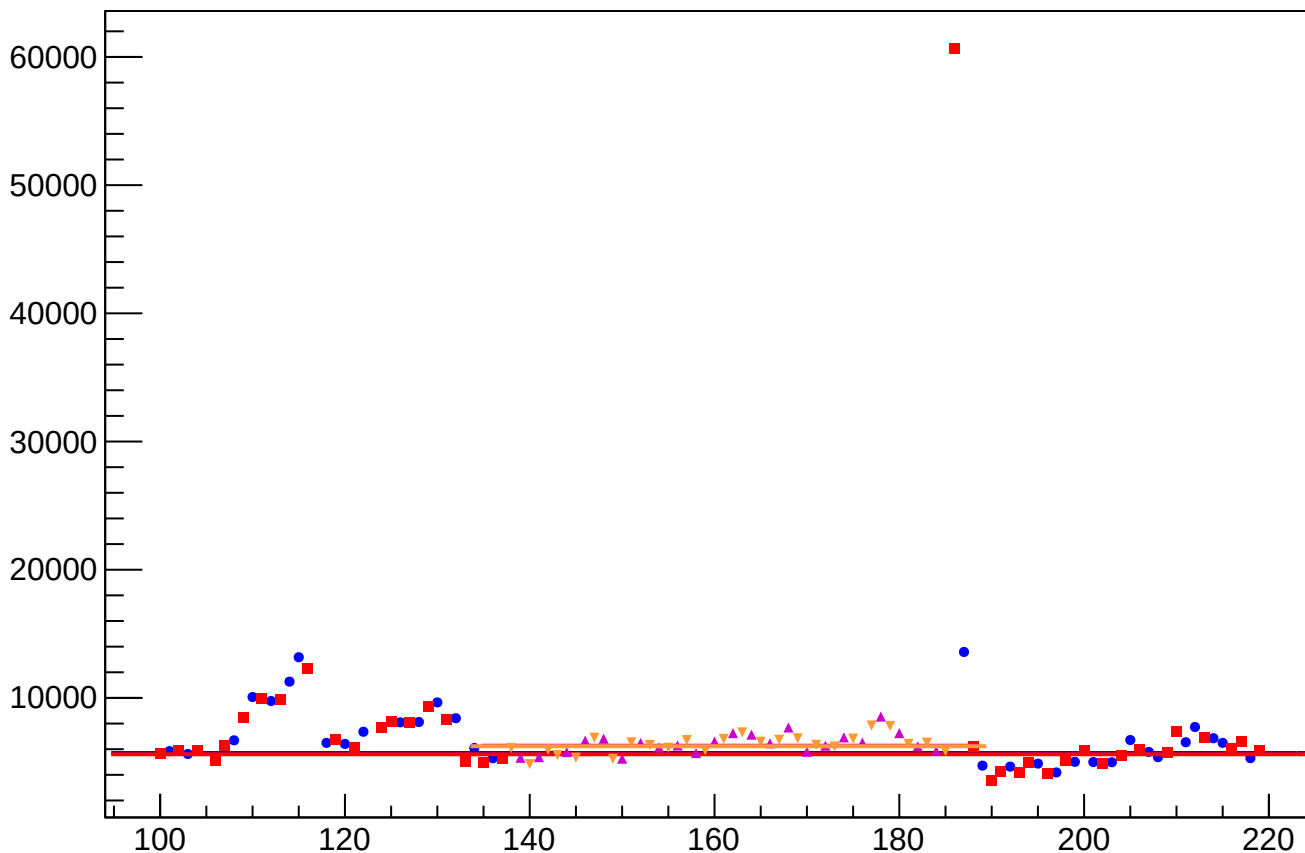
Left In: 0.797 ± 1.479 χ^2/NDF : 29.4/22

+ sign 2.553 ± 0.966 χ^2/NDF : 46.4/56

All: 3.498 ± 0.680 χ^2/NDF : 179.3/116

- sign 4.426 ± 0.957 χ^2/NDF : 130.9/59

diff_targ_positionY_rms vs Slug



Right In: 5701.748 $\pm$ 0.925 χ^2 /NDF: 1886189.1/31

Left Out: 6230.934 $\pm$ 1.012 χ^2 /NDF: 532579.4/24

Right Out: 5603.929 $\pm$ 0.888 χ^2 /NDF: 2738557.8/36

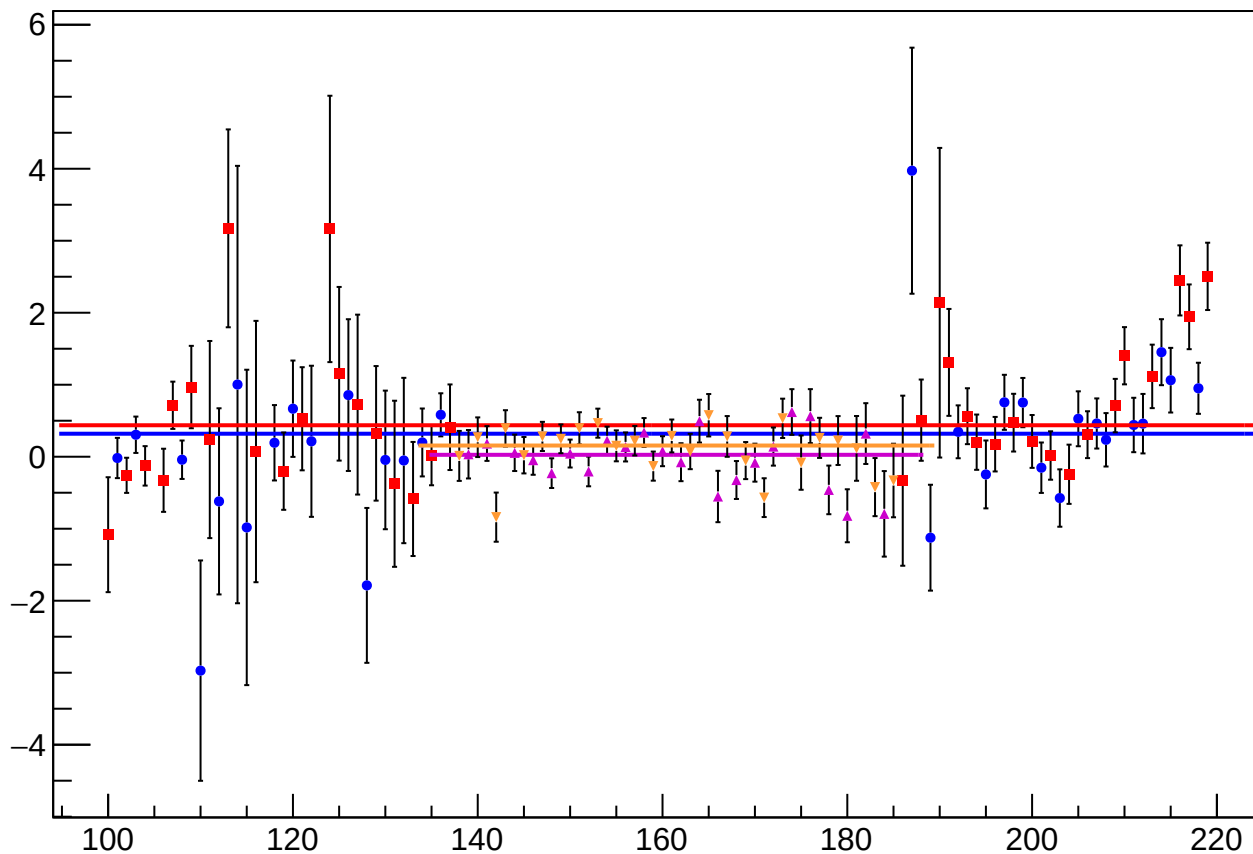
Left In: 6270.834 $\pm$ 1.046 χ^2 /NDF: 504723.6/22

+ sign 5942.843 $\pm$ 0.683 χ^2 /NDF: 2567762.1/56

All: 5912.805 $\pm$ 0.481 χ^2 /NDF: 6051298.5/11

- sign 5883.299 $\pm$ 0.677 χ^2 /NDF: 3479699.7/59

diff_targ_thetaX_mean vs Slug



Right In: 0.320 ± 0.077 χ^2/NDF : 46.7/31

Left Out: 0.156 ± 0.052 χ^2/NDF : 32.3/24

Right Out: 0.437 ± 0.078 χ^2/NDF : 96.8/36

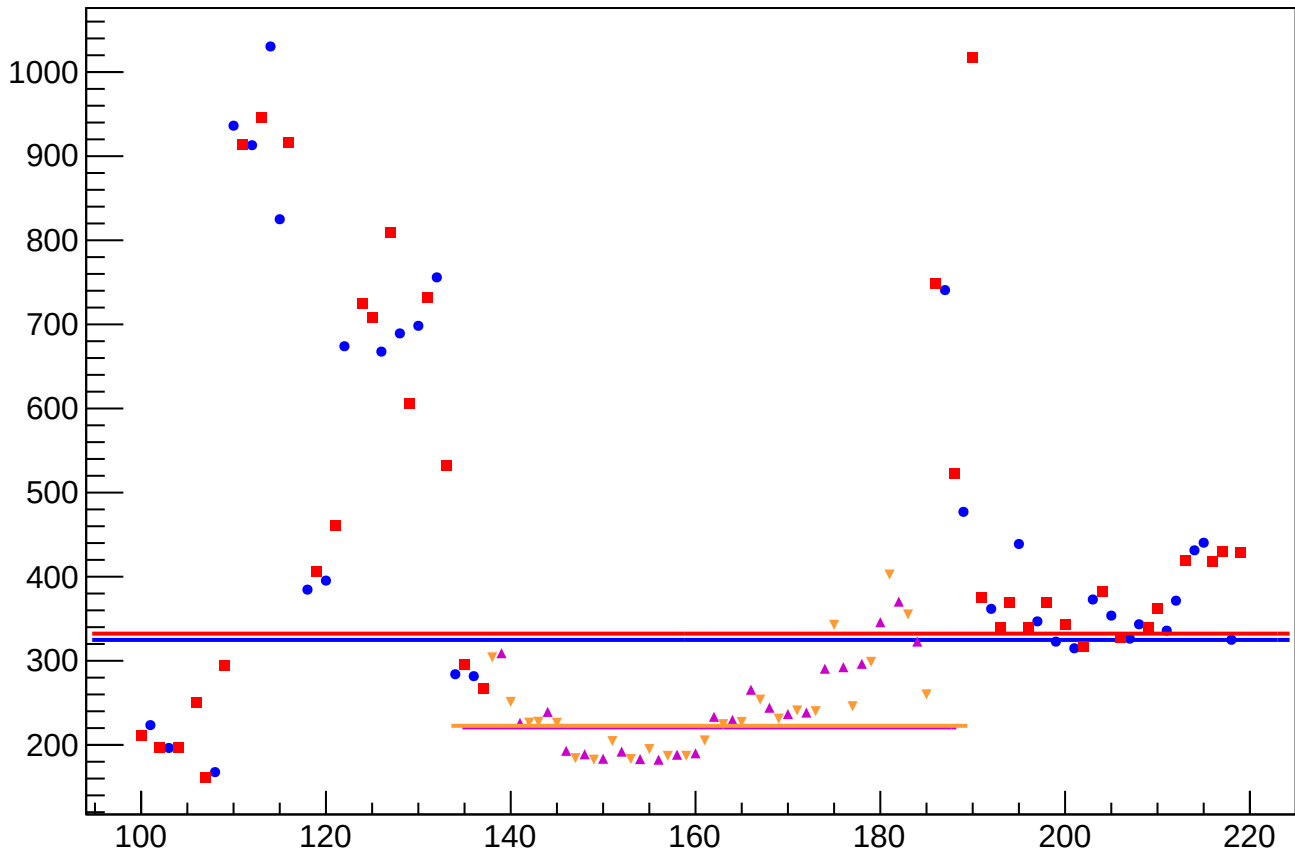
Left In: 0.026 ± 0.053 χ^2/NDF : 29.8/22

+ sign 0.206 ± 0.043 χ^2/NDF : 82.1/56

All: 0.182 ± 0.031 χ^2/NDF : 228.5/116

- sign 0.157 ± 0.044 χ^2/NDF : 145.7/59

diff_targ_thetaX_rms vs Slug



Right In: 324.842 ± 0.055 $\chi^2/\text{NDF}: 4433665.3/31$

Left Out: 222.727 ± 0.037 $\chi^2/\text{NDF}: 1451363.0/24$

Right Out: 332.311 ± 0.055 $\chi^2/\text{NDF}: 5090149.0/36$

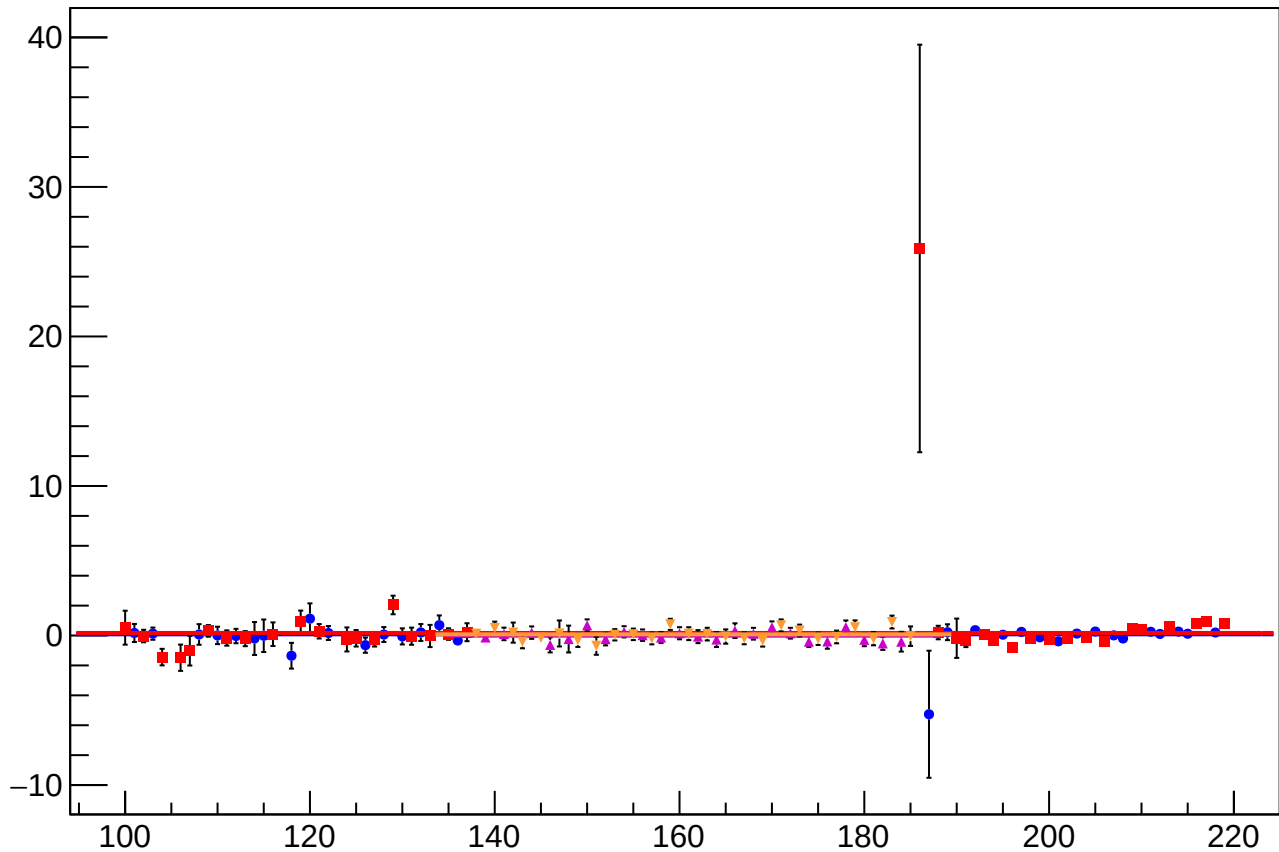
Left In: 220.802 ± 0.037 $\chi^2/\text{NDF}: 1471497.9/22$

+ sign 254.393 ± 0.030 $\chi^2/\text{NDF}: 8284931.1/56$

All: 255.329 ± 0.022 $\chi^2/\text{NDF}: 17669521.2/11$

- sign 256.293 ± 0.031 $\chi^2/\text{NDF}: 9382675.8/59$

diff_targ_thetaY_mean vs Slug



Right In: 0.081 ± 0.057 χ^2/NDF : 19.1/31

Left Out: 0.079 ± 0.084 χ^2/NDF : 19.0/24

Right Out: 0.173 ± 0.057 χ^2/NDF : 102.1/36

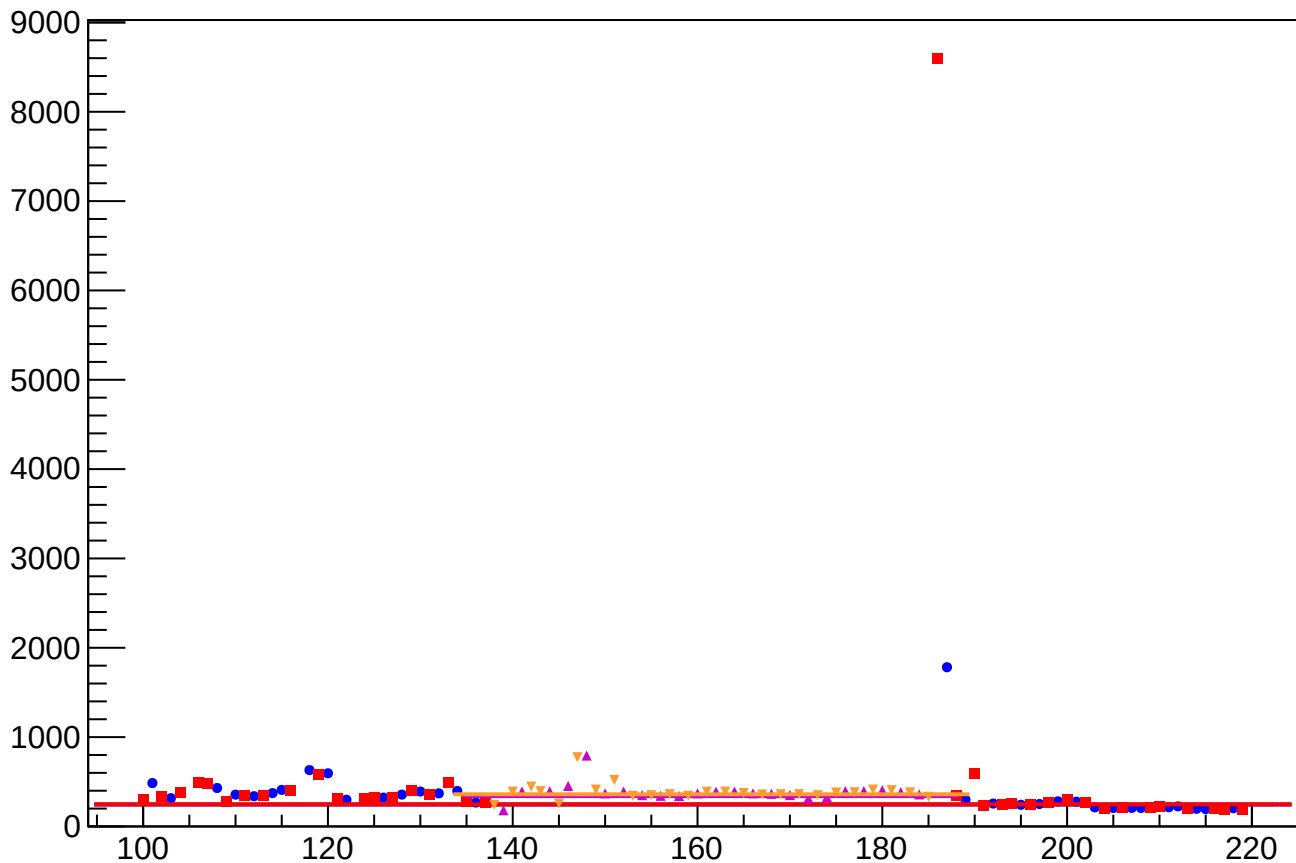
Left In: -0.009 ± 0.083 χ^2/NDF : 15.2/22

+ sign 0.080 ± 0.047 χ^2/NDF : 38.1/56

All: 0.098 ± 0.033 χ^2/NDF : 159.0/116

- sign 0.115 ± 0.047 χ^2/NDF : 120.6/59

diff_targ_thetaY_rms vs Slug



Right In: 245.325 ± 0.040 χ^2/NDF : 2817194.5/31

Left Out: 360.021 ± 0.060 χ^2/NDF : 1339748.9/24

Right Out: 247.876 ± 0.040 χ^2/NDF : 3393972.1/36

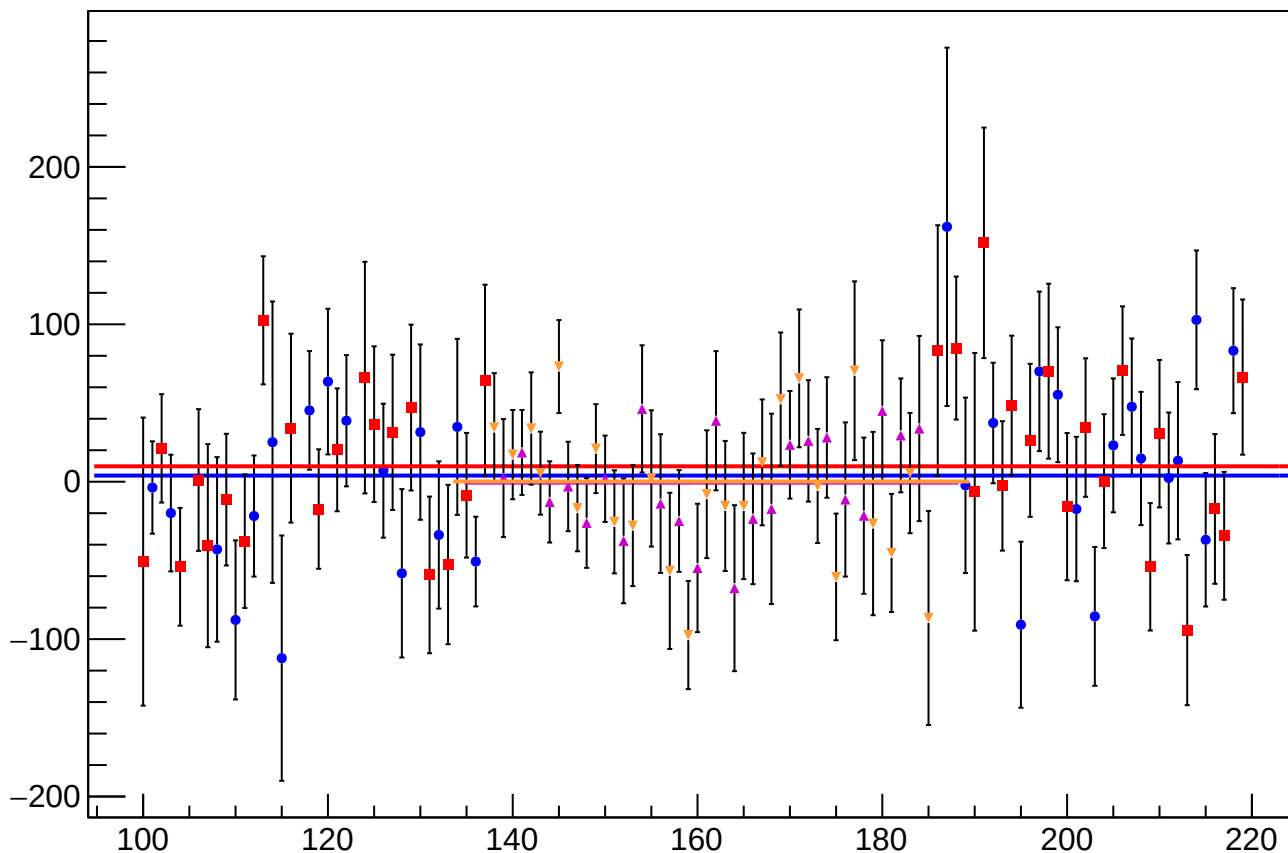
Left In: 340.020 ± 0.059 χ^2/NDF : 2225094.5/22

+ sign 281.428 ± 0.033 χ^2/NDF : 6693312.6/56

All: 279.302 ± 0.024 χ^2/NDF : 14007624.9/11

- sign 277.225 ± 0.033 χ^2/NDF : 7306324.7/59

diff_bpmE_mean vs Slug



Right In: 3.895 ± 7.855 χ^2/NDF : 41.6/31

Left Out: 0.168 ± 7.375 χ^2/NDF : 31.1/24

Right Out: 9.793 ± 7.730 χ^2/NDF : 40.3/36

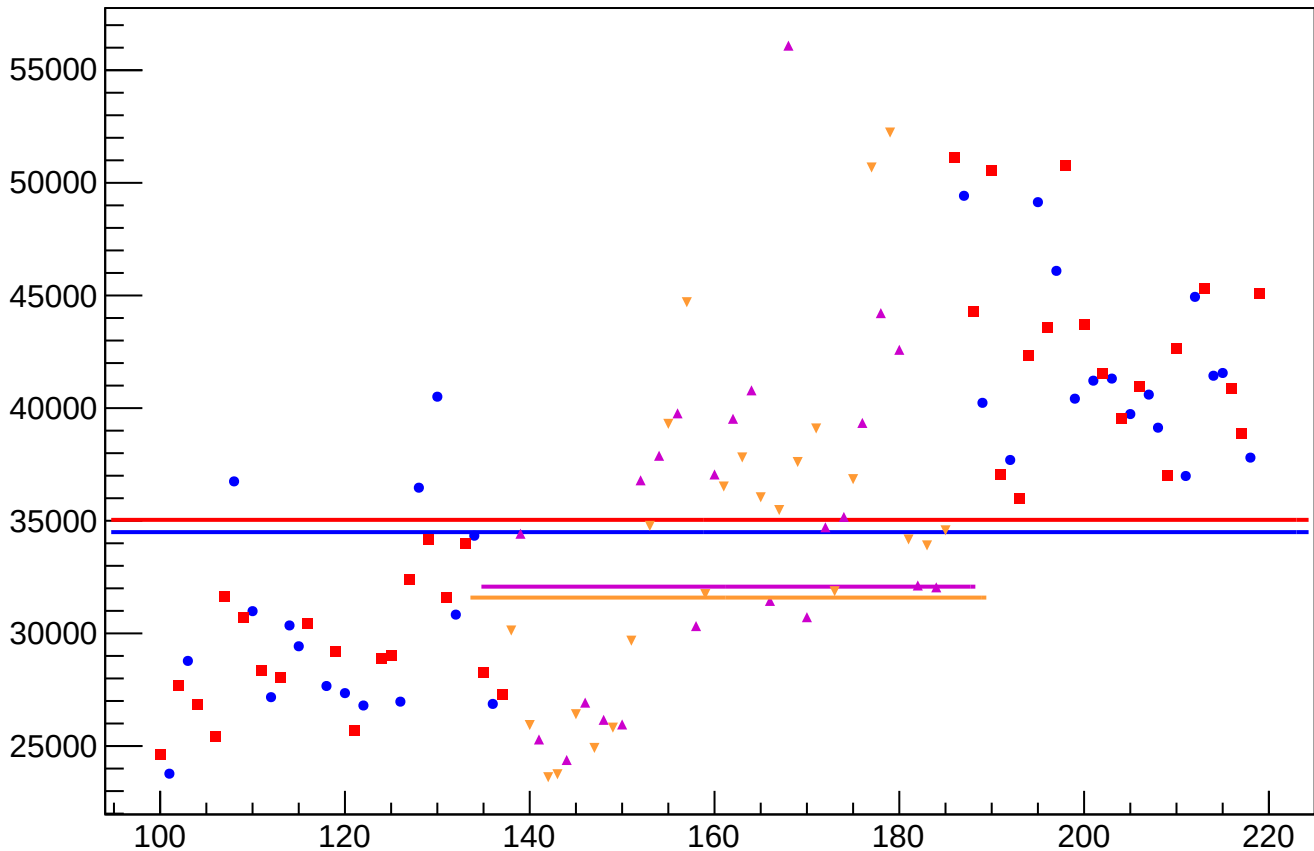
Left In: -0.586 ± 7.667 χ^2/NDF : 12.8/22

+ sign 1.914 ± 5.376 χ^2/NDF : 72.9/56

All: 3.221 ± 3.825 χ^2/NDF : 127.0/116

- sign 4.561 ± 5.443 χ^2/NDF : 54.0/59

diff_bpmE_rms vs Slug



Right In: 34495.489+/-5.554 χ^2/NDF : 1603226.3/31

Left Out: 31589.841+/-5.215 χ^2/NDF : 1590867.7/24

Right Out: 35039.964+/-5.466 χ^2/NDF : 1727032.9/36

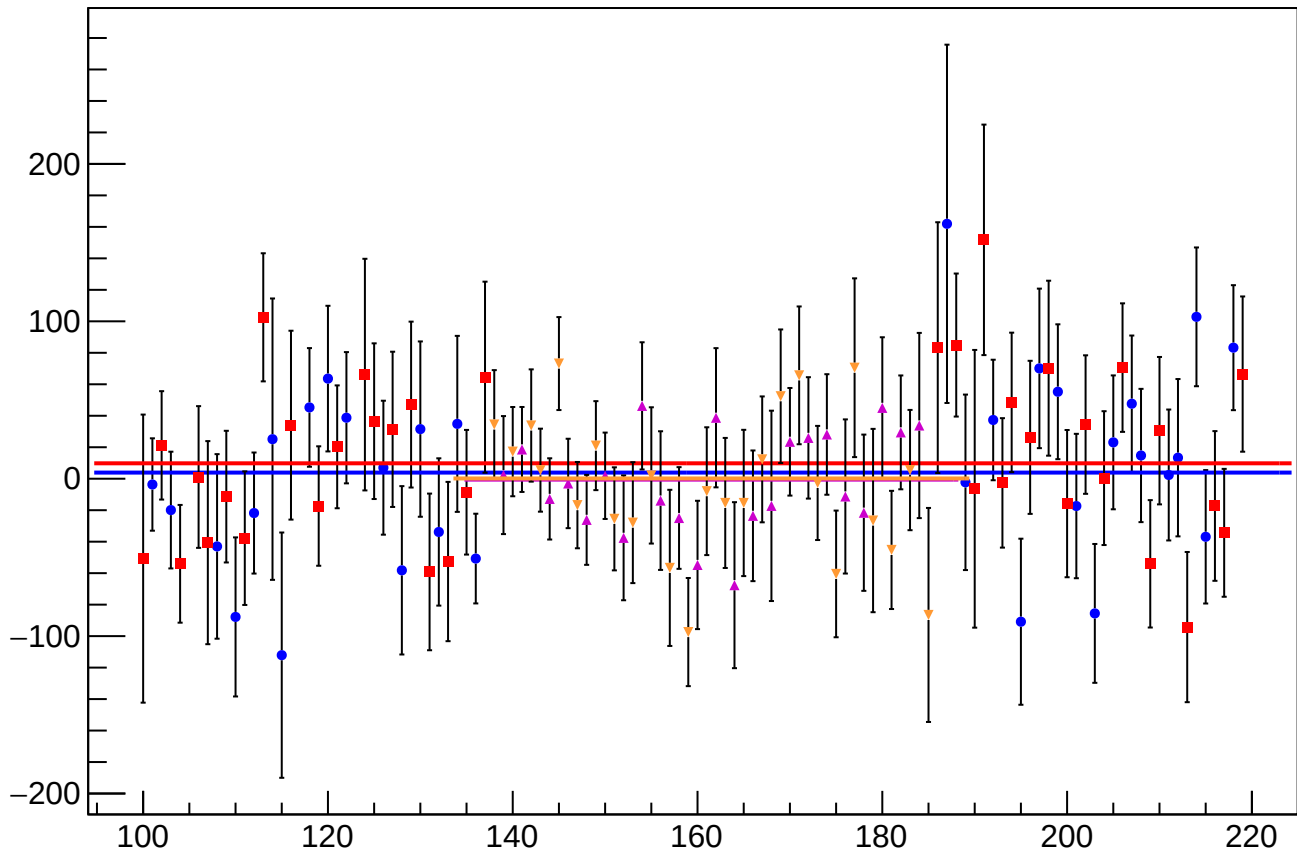
Left In: 32075.078+/-5.421 χ^2/NDF : 1455714.6/22

+ sign 32951.174+/-3.802 χ^2/NDF : 3339552.1/56

All: 33244.605+/-2.705 χ^2/NDF : 6682685.5/100

- sign 33545.396+/-3.849 χ^2/NDF : 3331069.4/59

diff_bpmEX_mean vs Slug



Right In: 3.895 ± 7.855 χ^2/NDF : 41.6/31

Left Out: 0.168 ± 7.375 χ^2/NDF : 31.1/24

Right Out: 9.793 ± 7.730 χ^2/NDF : 40.3/36

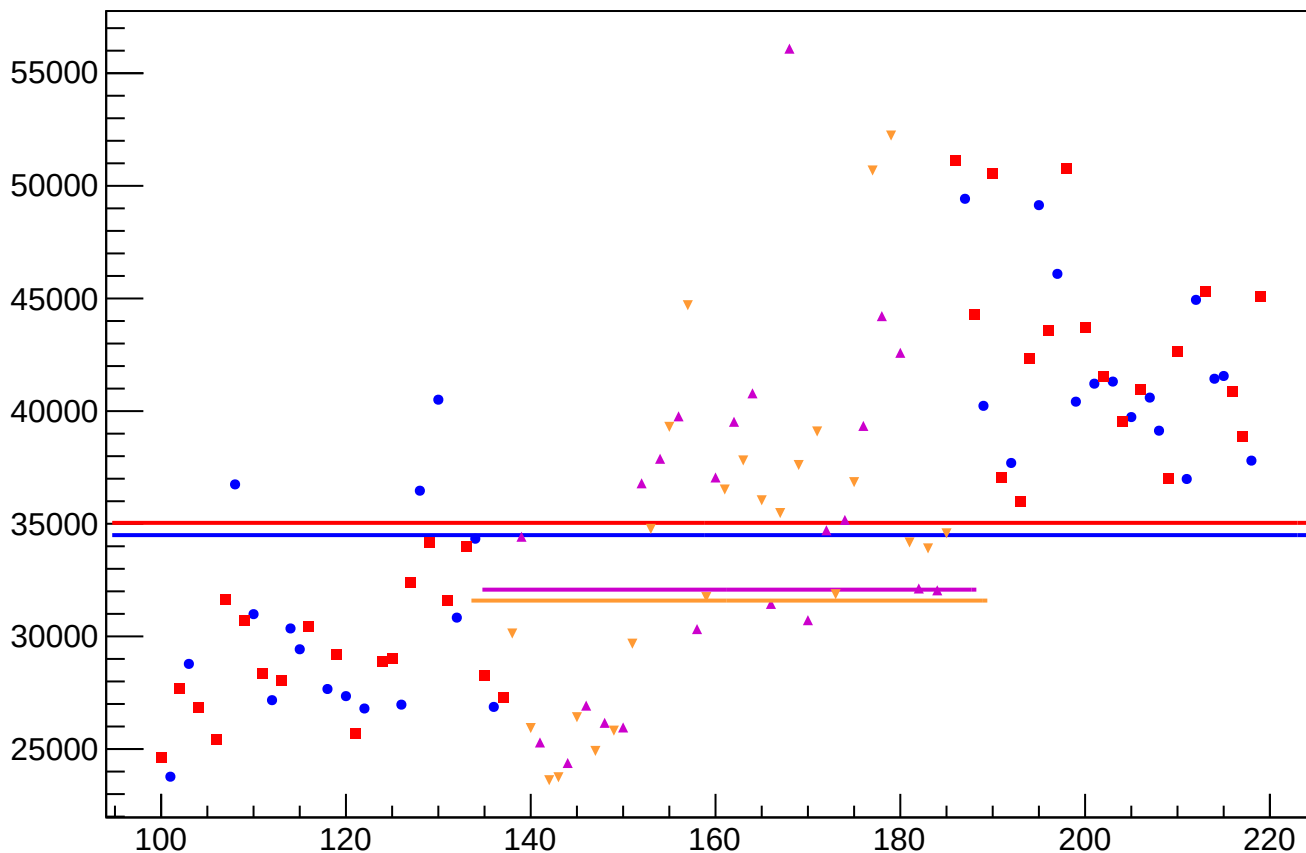
Left In: -0.586 ± 7.667 χ^2/NDF : 12.8/22

+ sign 1.914 ± 5.376 χ^2/NDF : 72.9/56

All: 3.221 ± 3.825 χ^2/NDF : 127.0/116

- sign 4.561 ± 5.443 χ^2/NDF : 54.0/59

diff_bpmEX_rms vs Slug



Right In: 34495.489+/-5.554 χ^2/NDF : 1603226.3/31

Left Out: 31589.841+/-5.215 χ^2/NDF :1590867.7/24

Right Out: 35039.964+/-5.466 χ^2/NDF : 1727032.9/36

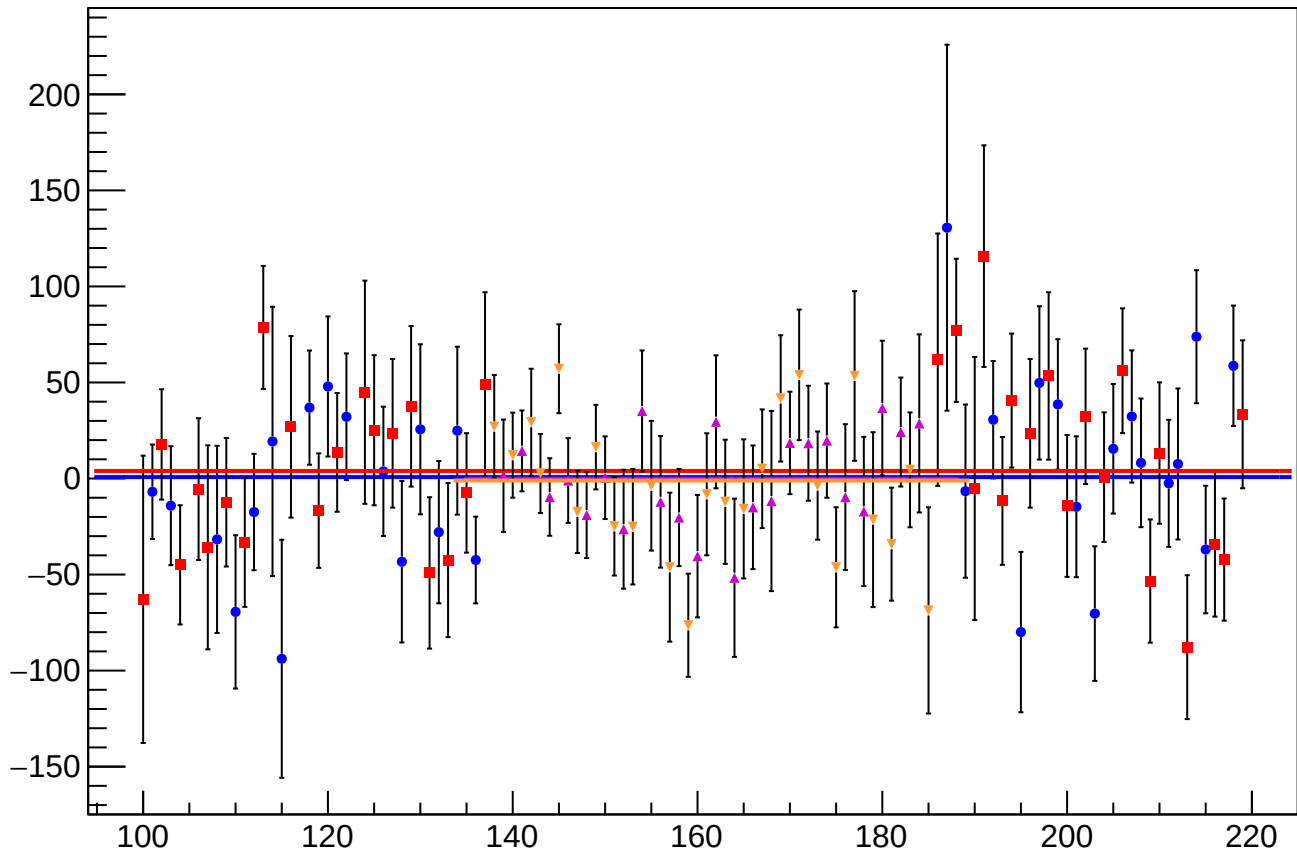
Left In: 32075.078+/-5.421 χ^2/NDF :1455714.6/22

+ sign 32951.174+/-3.802 χ^2/NDF : 3339552.1/56

All: 33244.605+/-2.705 χ^2/NDF : 6682685.5/100

- sign 33545.396+/-3.849 χ^2/NDF : 3331069.4/59

diff_bpmE_11X12X_mean vs Slug



Right In: 0.740 ± 6.261 $\chi^2/\text{NDF}: 40.6/31$

Left Out: -1.042 ± 5.755 $\chi^2/\text{NDF}: 32.3/24$

Right Out: 3.944 ± 6.159 $\chi^2/\text{NDF}: 45.5/36$

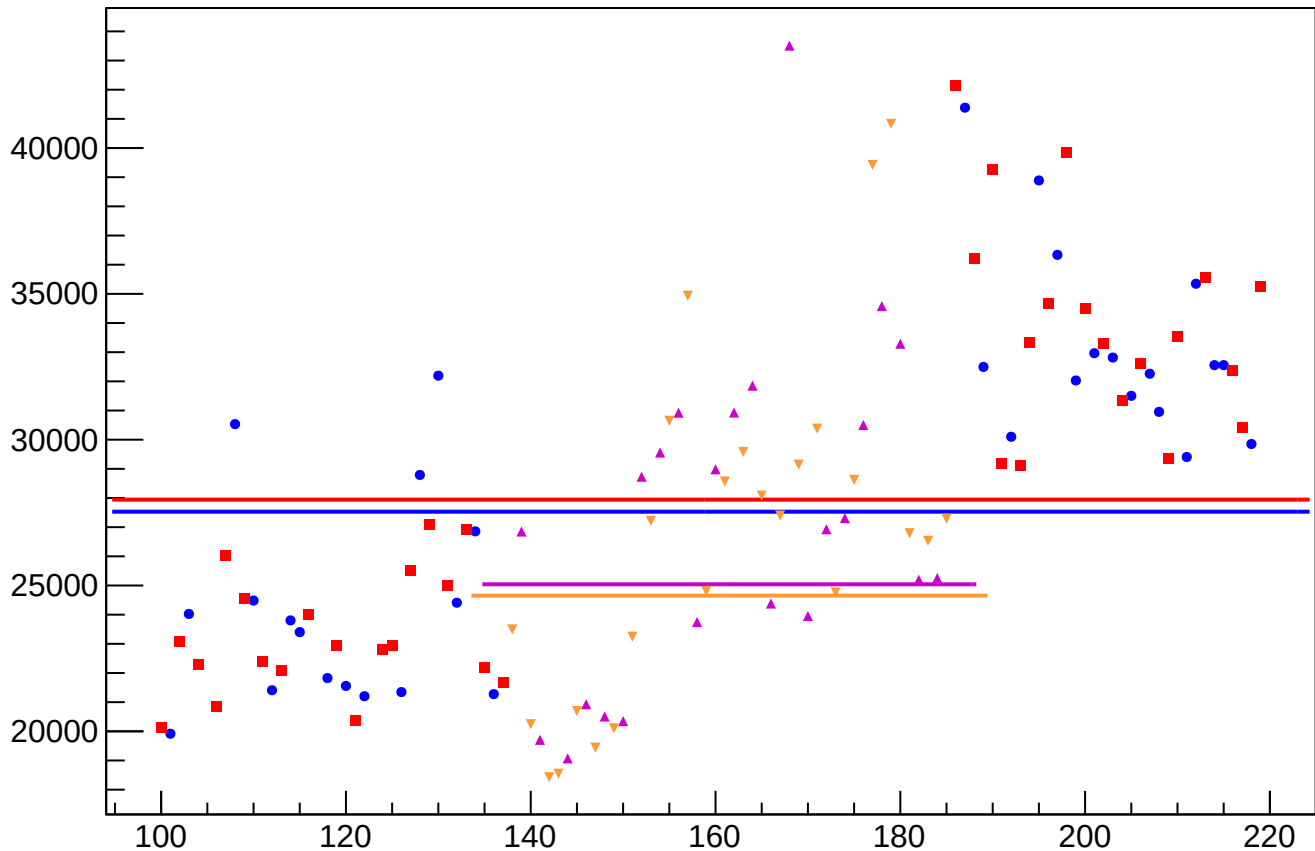
Left In: -0.147 ± 5.985 $\chi^2/\text{NDF}: 12.1/22$

+ sign -0.226 ± 4.237 $\chi^2/\text{NDF}: 72.9/56$

All: 0.794 ± 3.015 $\chi^2/\text{NDF}: 130.9/116$

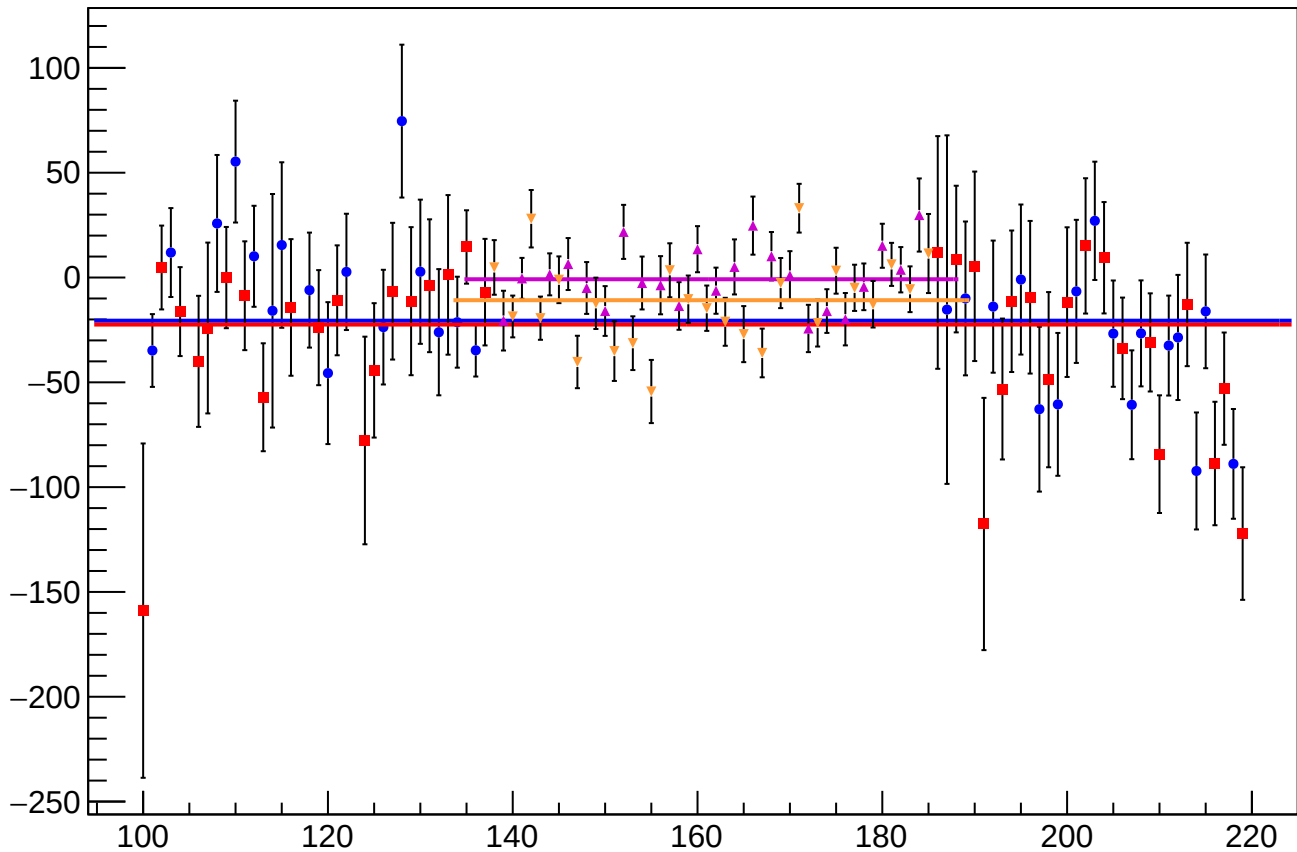
- sign 1.840 ± 4.292 $\chi^2/\text{NDF}: 57.8/59$

diff_bpmE_11X12X_rms vs Slug



Right In: 27530.465 $\pm$ 4.427	χ^2 /NDF: 1515100.5/31	+ sign 25971.270 $\pm$ 2.996	χ^2 /NDF: 3326656.0/56
Left Out: 24654.001 $\pm$ 4.069	χ^2 /NDF: 1582710.2/24	All: 26208.306 $\pm$ 2.132	χ^2 /NDF: 6658912.5/1
Right Out: 27944.438 $\pm$ 4.355	χ^2 /NDF: 1649474.4/36	- sign 26451.577 $\pm$ 3.035	χ^2 /NDF: 3319571.2/59
Left In: 25041.993 $\pm$ 4.232	χ^2 /NDF: 1441641.5/22		

diff_bpm4aesumX_mean vs Slug



Right In: -20.595 ± 4.752 $\chi^2/\text{NDF}: 46.7/31$

Left Out: -10.822 ± 2.370 $\chi^2/\text{NDF}: 61.3/24$

Right Out: -22.442 ± 4.867 $\chi^2/\text{NDF}: 46.0/36$

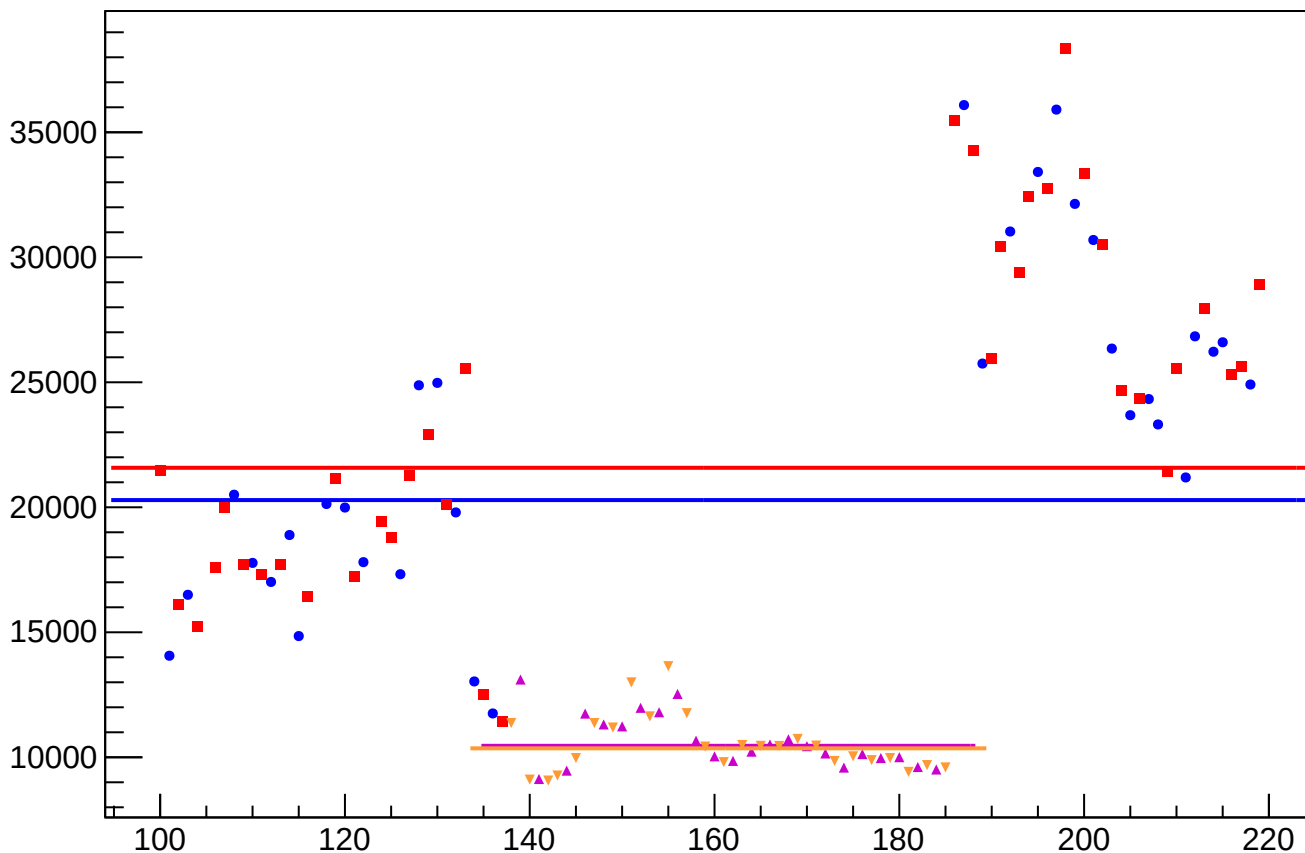
Left In: -0.826 ± 2.457 $\chi^2/\text{NDF}: 29.4/22$

+ sign -12.769 ± 2.121 $\chi^2/\text{NDF}: 111.3/56$

All: -9.119 ± 1.525 $\chi^2/\text{NDF}: 208.6/116$

- sign -5.216 ± 2.193 $\chi^2/\text{NDF}: 91.2/59$

diff_bpm4aesumX_rms vs Slug



Right In: 20288.166 $\pm$ 3.360 χ^2/NDF : 3601749.3/31

Left Out: 10358.363 $\pm$ 1.676 χ^2/NDF : 363077.1/24

Right Out: 21580.130 $\pm$ 3.442 χ^2/NDF : 3542981.3/36

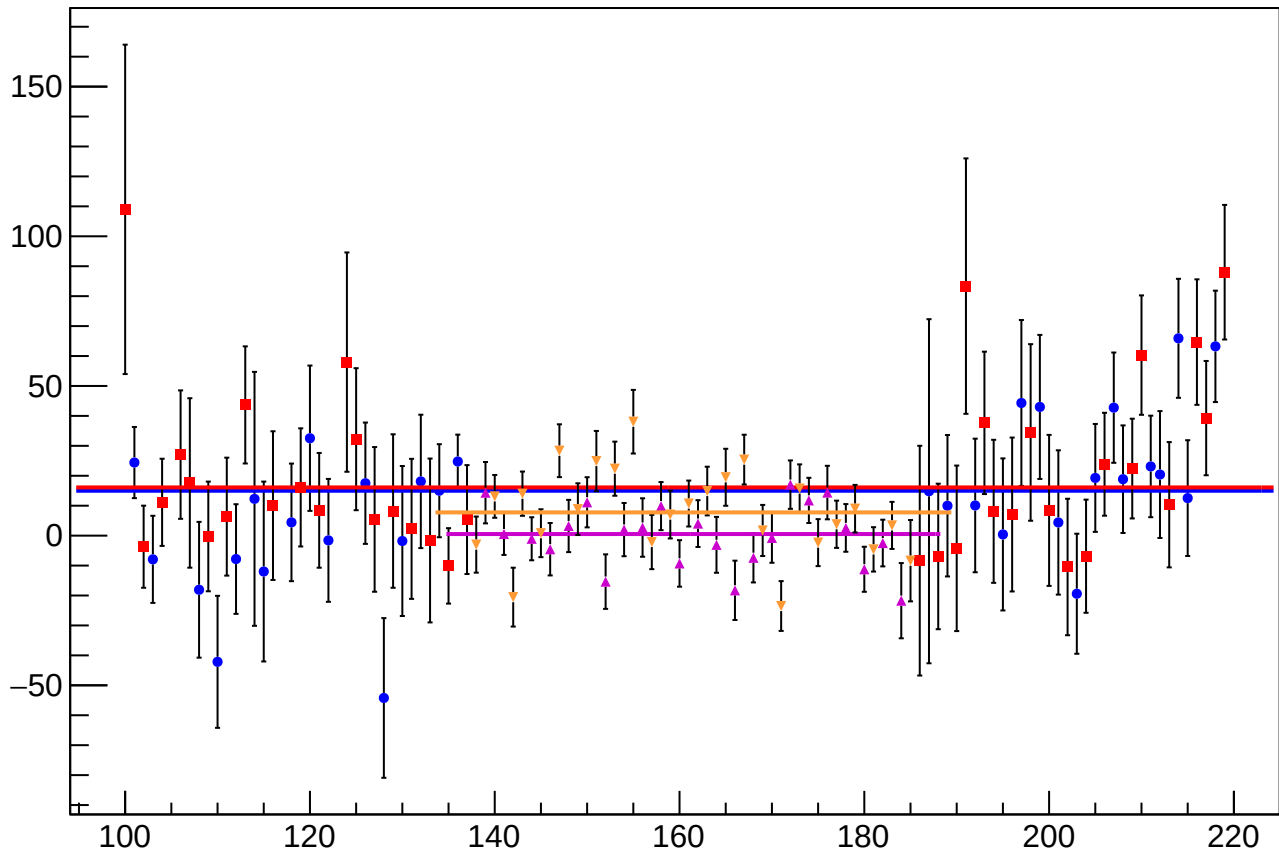
Left In: 10459.060 $\pm$ 1.737 χ^2/NDF : 314636.9/22

+ sign 12336.647 $\pm$ 1.500 χ^2/NDF : 10957369.7/56

All: 12520.684 $\pm$ 1.078 χ^2/NDF : 23166840.1

- sign 12717.478 $\pm$ 1.551 χ^2/NDF : 12178314.8/59

diff_bpm4aediiffX_mean vs Slug



Right In: 14.998 ± 3.392 $\chi^2/\text{NDF}: 46.2/31$

Left Out: 7.763 ± 1.691 $\chi^2/\text{NDF}: 60.9/24$

Right Out: 16.104 ± 3.479 $\chi^2/\text{NDF}: 47.2/36$

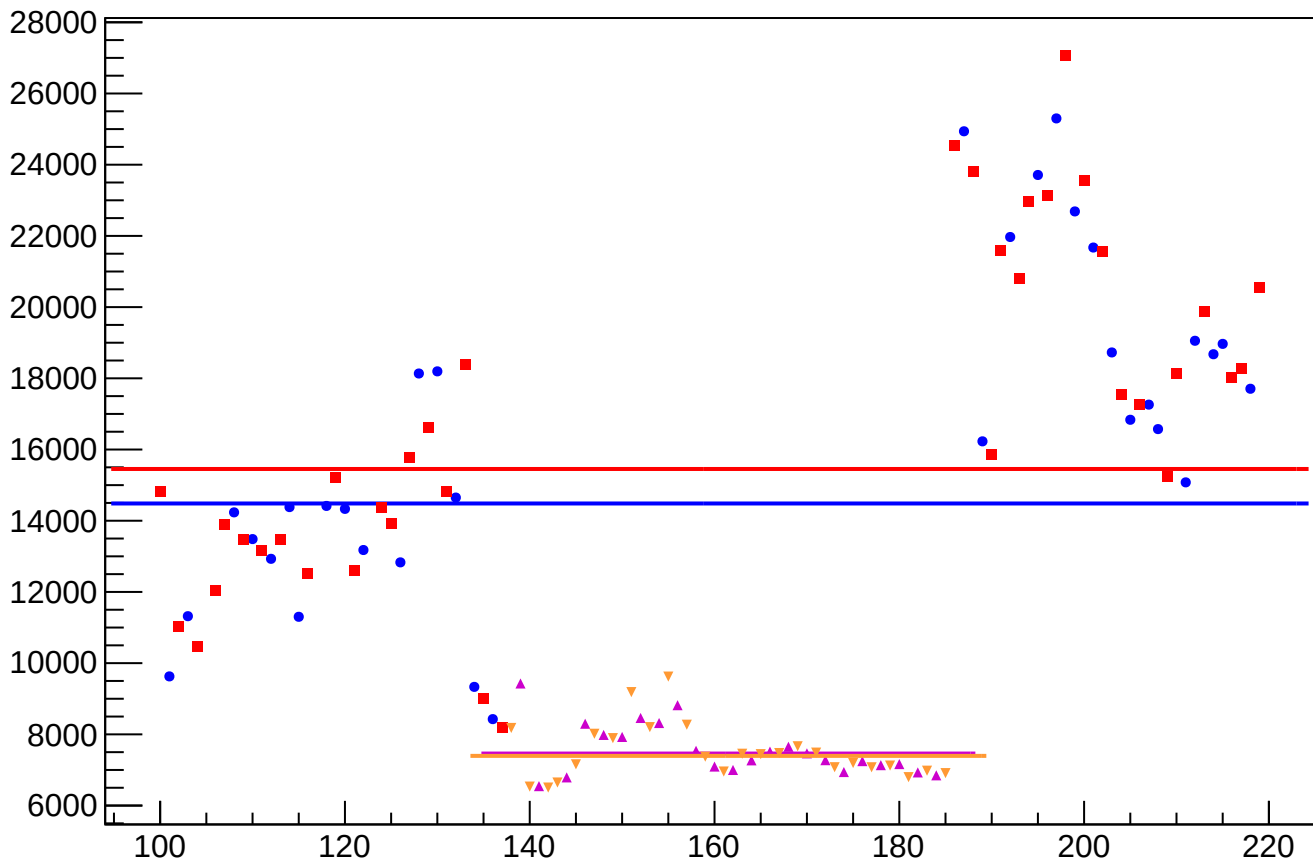
Left In: 0.532 ± 1.752 $\chi^2/\text{NDF}: 29.4/22$

+ sign 9.204 ± 1.514 $\chi^2/\text{NDF}: 110.8/56$

All: 6.534 ± 1.088 $\chi^2/\text{NDF}: 209.8/116$

- sign 3.681 ± 1.565 $\chi^2/\text{NDF}: 92.6/59$

diff_bpm4aediiffX_rms vs Slug



Right In: 14484.660 $\pm$ 2.398 χ^2 /NDF: 3532820.9/31

Left Out: 7395.667 $\pm$ 1.196 χ^2 /NDF:324459.4/24

+ sign 8807.617 $\pm$ 1.070 χ^2 /NDF: 10854206.4/56

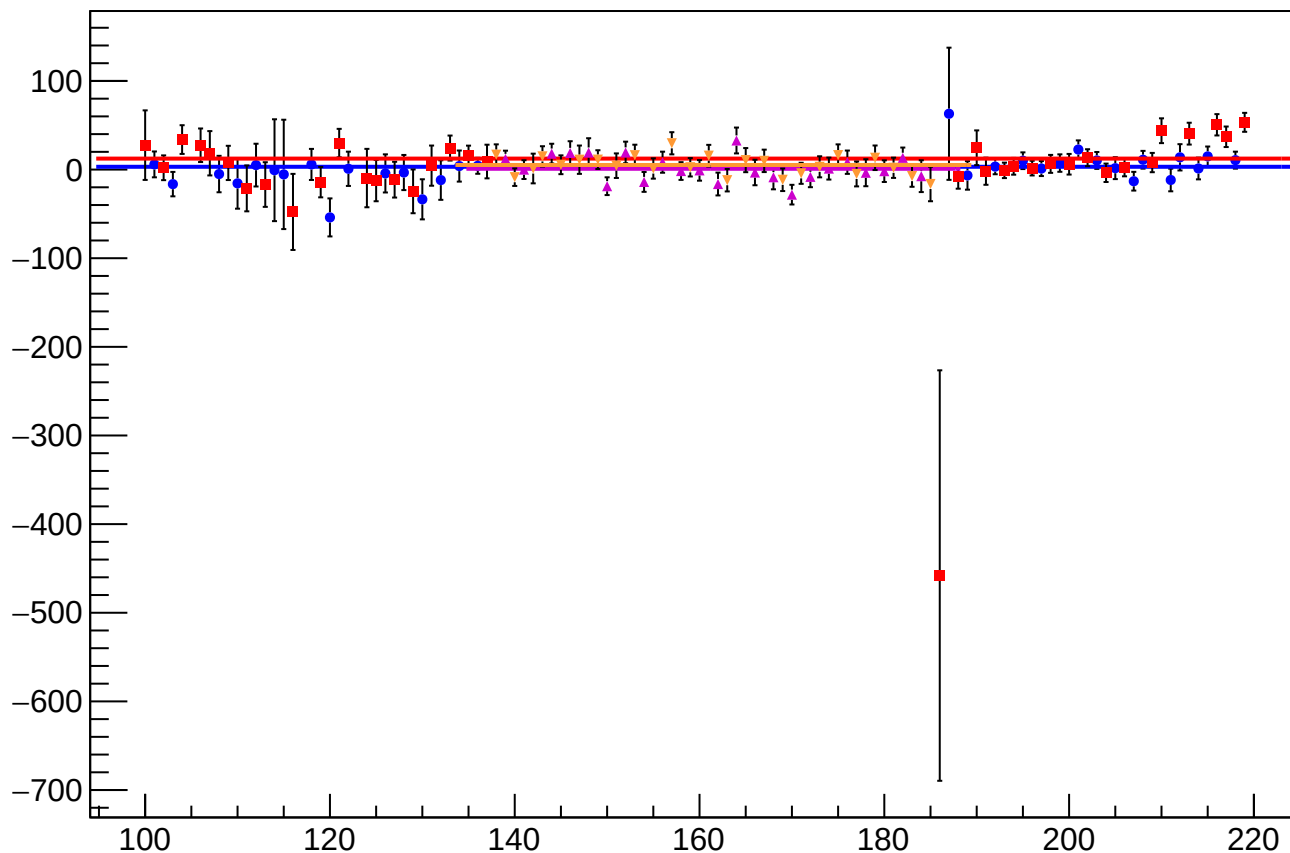
Right Out: 15453.736 $\pm$ 2.460 χ^2 /NDF: 3404949.8/36

All: 8938.072 $\pm$ 0.769 χ^2 /NDF: 22993805.5/1

Left In: 7460.824 $\pm$ 1.239 χ^2 /NDF:284034.9/22

- sign 9077.485 $\pm$ 1.106 χ^2 /NDF: 12108868.1/59

diff_bpm4aesumY_mean vs Slug



Right In: 3.151 ± 2.335 χ^2/NDF : 25.6/31

Left Out: 5.178 ± 2.459 χ^2/NDF : 18.4/24

Right Out: 12.387 ± 2.274 χ^2/NDF : 74.1/36

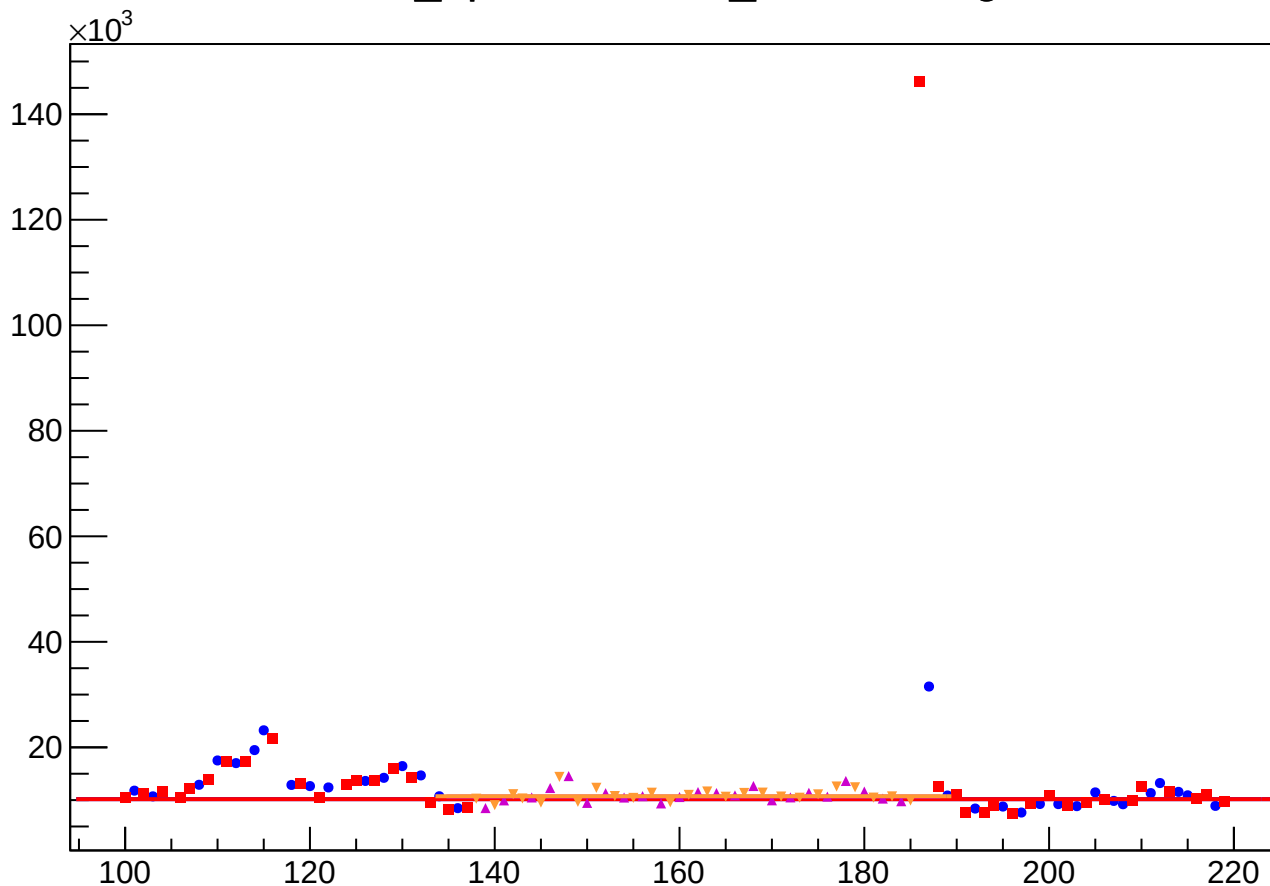
Left In: 0.891 ± 2.519 χ^2/NDF : 31.8/22

+ sign 4.112 ± 1.693 χ^2/NDF : 44.4/56

All: 5.672 ± 1.195 χ^2/NDF : 163.4/116

- sign 7.223 ± 1.688 χ^2/NDF : 117.3/59

diff_bpm4aesumY_rms vs Slug



Right In: 10180.762 ± 1.651 χ^2/NDF : 1801183.5/31

Left Out: 10733.733 ± 1.739 χ^2/NDF : 368279.7/24

Right Out: 10177.656 ± 1.608 χ^2/NDF : 2405724.4/36

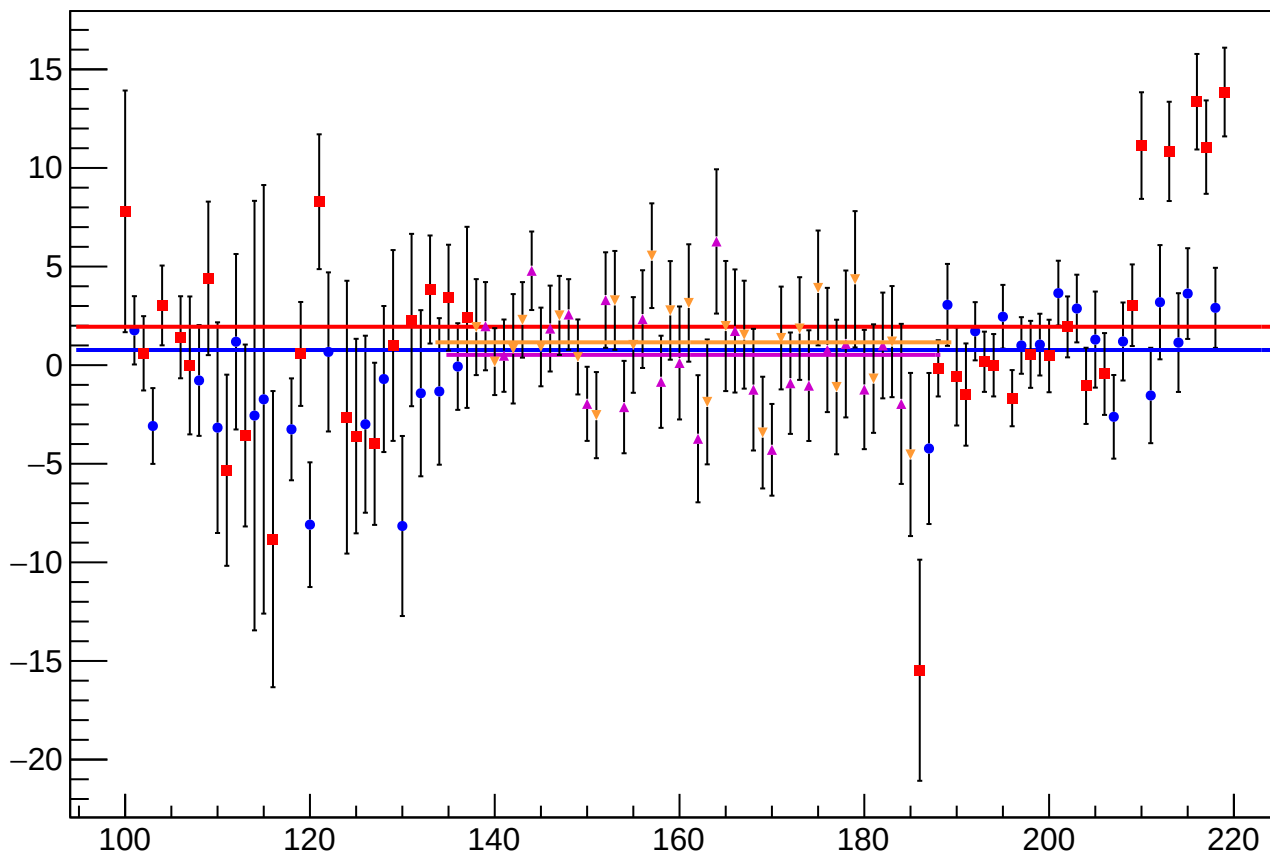
Left In: 10677.154 ± 1.781 χ^2/NDF : 500574.4/22

+ sign 10442.973 ± 1.197 χ^2/NDF : 2222650.4/56

All: 10422.443 ± 0.845 χ^2/NDF : 5172865.4/100

- sign 10402.039 ± 1.194 χ^2/NDF : 2949628.8/59

diff_bpm4aediY_mean vs Slug



Right In: 0.768 ± 0.411 χ^2/NDF : 37.0/31

Left Out: 1.158 ± 0.500 χ^2/NDF : 16.8/24

Right Out: 1.947 ± 0.389 χ^2/NDF : 134.9/36

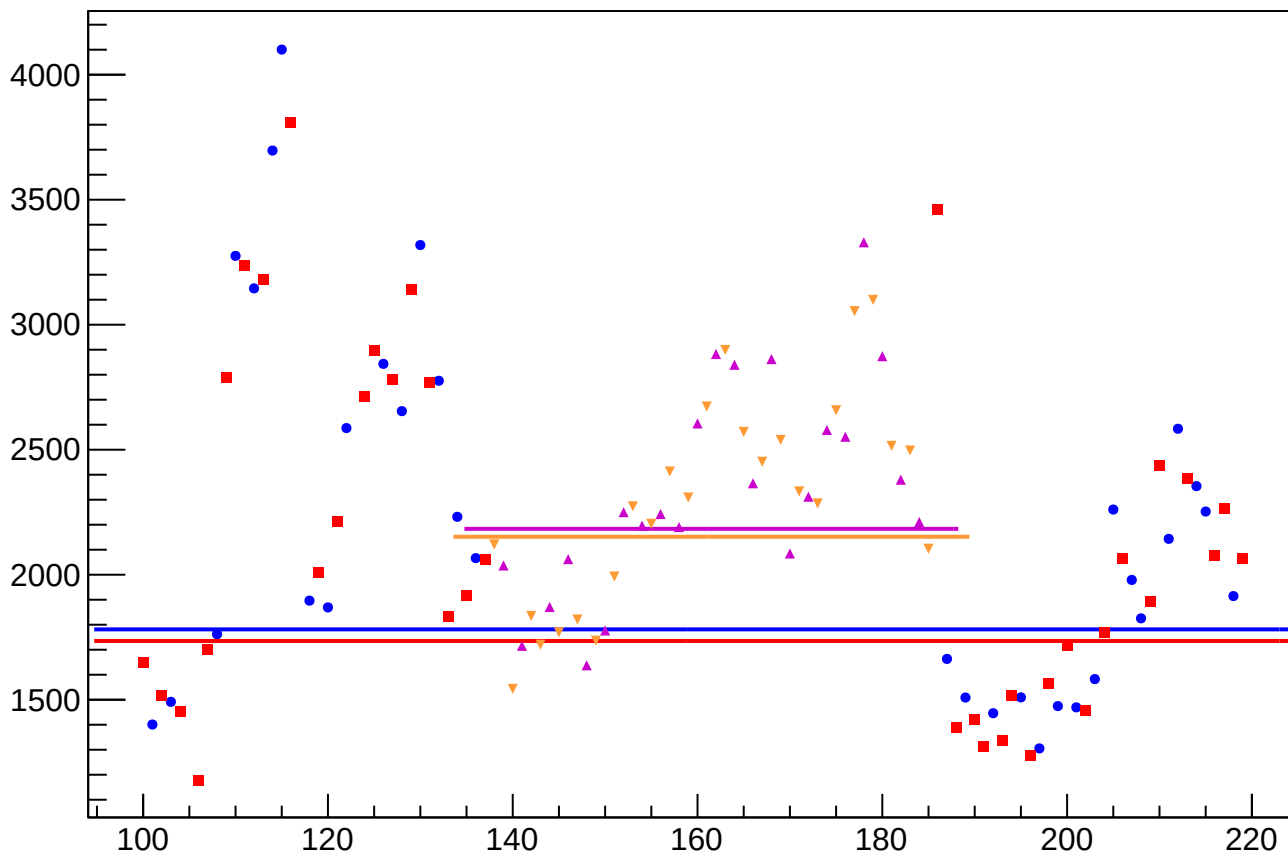
Left In: 0.522 ± 0.520 χ^2/NDF : 22.3/22

+ sign 0.925 ± 0.317 χ^2/NDF : 54.2/56

All: 1.185 ± 0.222 χ^2/NDF : 217.5/116

- sign 1.435 ± 0.312 χ^2/NDF : 162.0/59

diff_bpm4aediY_rms vs Slug



Right In: 1781.392 $\pm$ 0.290 χ^2 /NDF: 2432826.0/31

Left Out: 2151.757 $\pm$ 0.354 χ^2 /NDF:1349537.9/24

Right Out: 1734.980 $\pm$ 0.275 χ^2 /NDF: 2912323.2/36

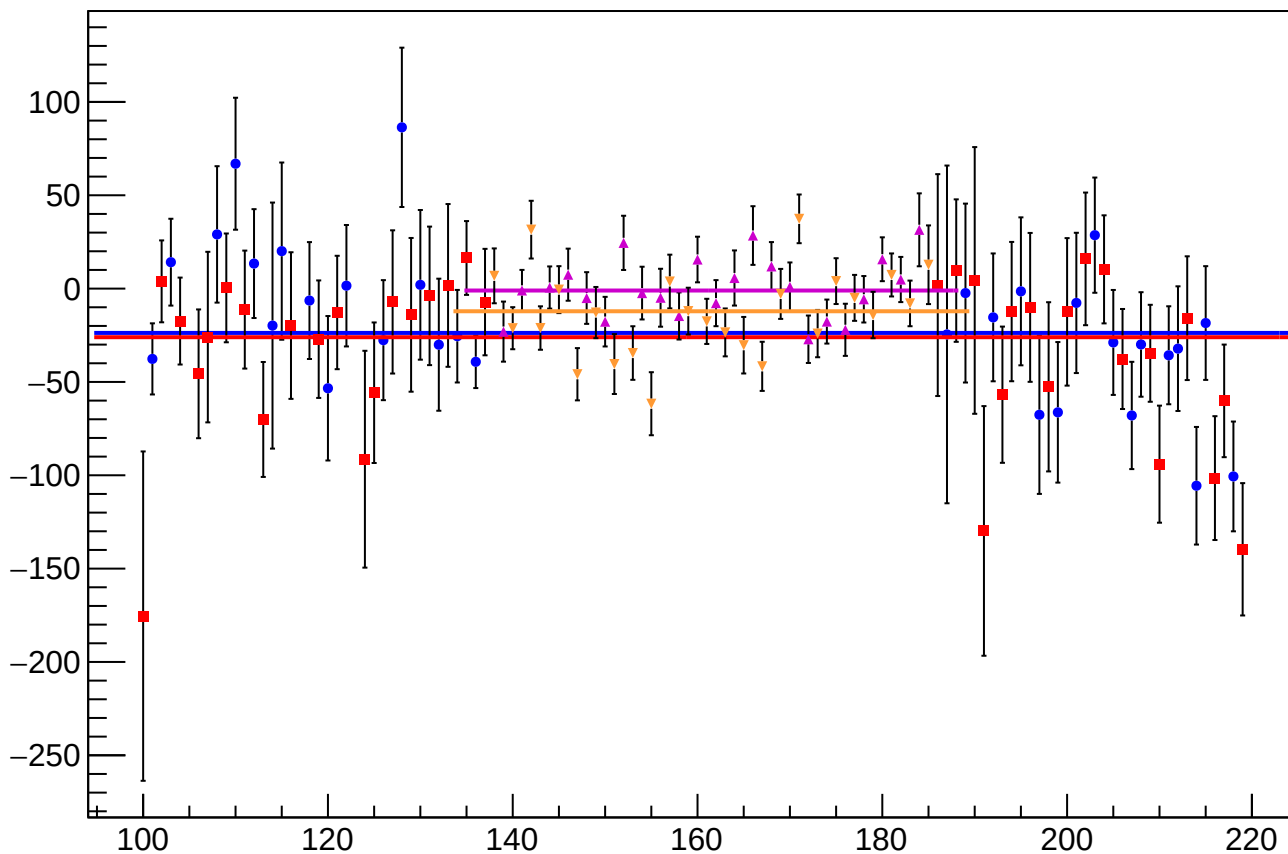
Left In: 2183.482 $\pm$ 0.368 χ^2 /NDF:1162266.2/22

+ sign 1930.607 $\pm$ 0.224 χ^2 /NDF: 4437259.5/56

All: 1913.072 $\pm$ 0.157 χ^2 /NDF: 9477432.8/11

- sign 1896.171 $\pm$ 0.220 χ^2 /NDF: 5028189.6/59

diff_bpmtargetsumX_mean vs Slug



Right In: -23.737 ± 5.371 $\chi^2/\text{NDF}: 46.5/31$

Left Out: -12.135 ± 2.661 $\chi^2/\text{NDF}: 62.6/24$

Right Out: -26.034 ± 5.516 $\chi^2/\text{NDF}: 46.5/36$

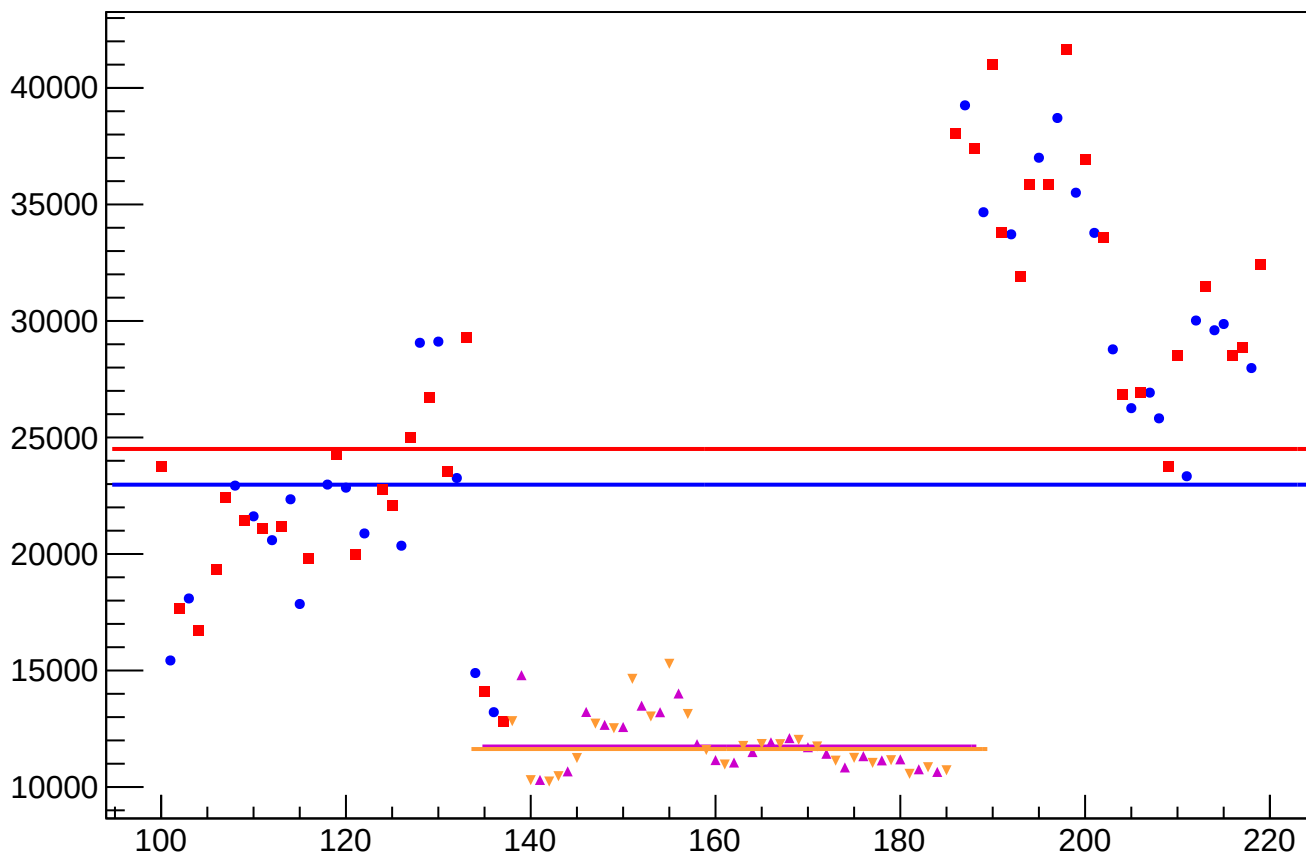
Left In: -1.024 ± 2.758 $\chi^2/\text{NDF}: 28.8/22$

+ sign -14.421 ± 2.384 $\chi^2/\text{NDF}: 112.9/56$

All: -10.365 ± 1.714 $\chi^2/\text{NDF}: 210.6/116$

- sign -6.025 ± 2.467 $\chi^2/\text{NDF}: 91.7/59$

diff_bpmtargetsumX_rms vs Slug



Right In: 22974.717 $\pm$ 3.798 χ^2 /NDF: 3515469.3/31

Left Out: 11630.201 $\pm$ 1.882 χ^2 /NDF:356022.1/24

Right Out: 24507.065 $\pm$ 3.900 χ^2 /NDF: 3382844.3/36

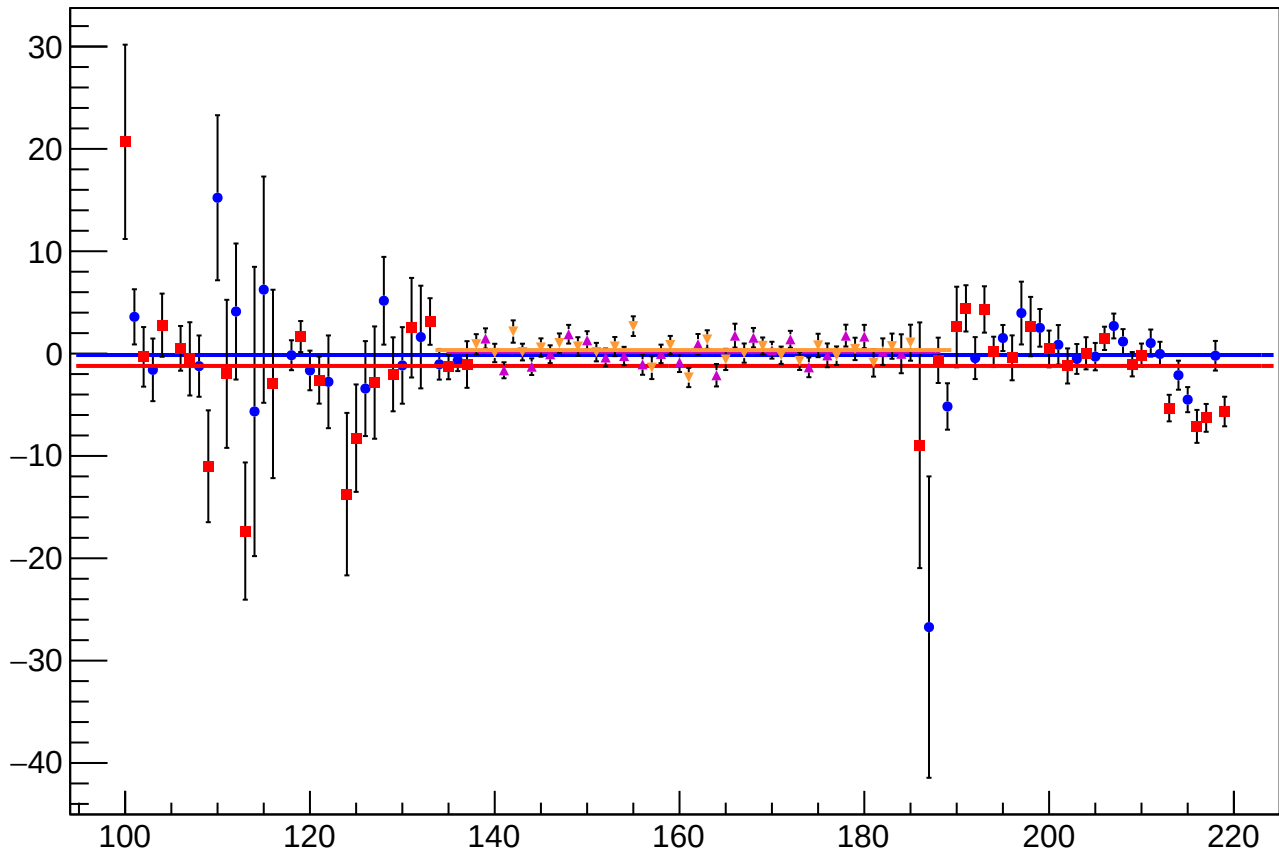
Left In: 11738.371 $\pm$ 1.950 χ^2 /NDF:313542.0/22

+ sign 13866.154 $\pm$ 1.686 χ^2 /NDF: 11035563.6/56

All: 14071.622 $\pm$ 1.212 χ^2 /NDF: 23336909.5

- sign 14291.472 $\pm$ 1.744 χ^2 /NDF: 12270605.9/59

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.138 ± 0.319 $\chi^2/\text{NDF}: 46.7/31$

Left Out: 0.343 ± 0.194 $\chi^2/\text{NDF}: 26.8/24$

Right Out: -1.206 ± 0.329 $\chi^2/\text{NDF}: 100.7/36$

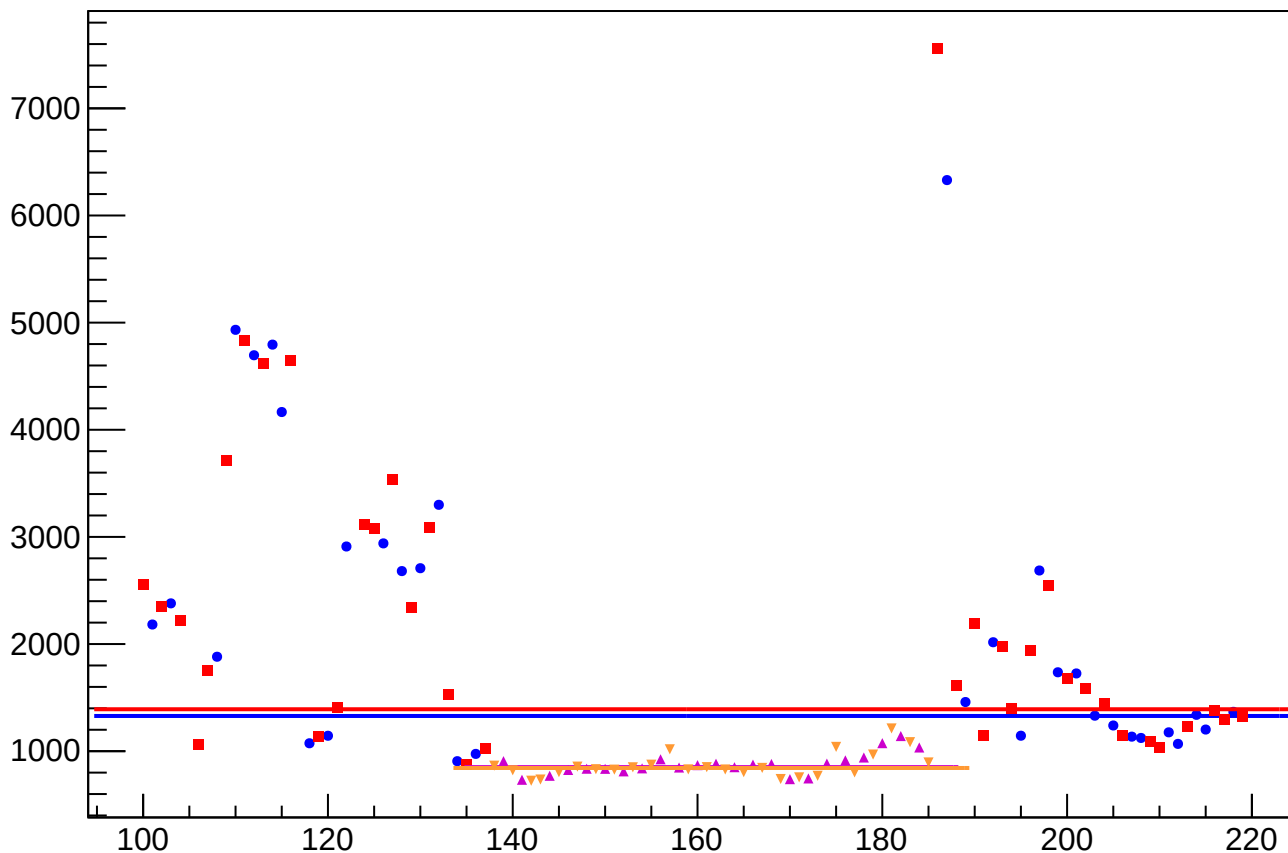
Left In: 0.165 ± 0.201 $\chi^2/\text{NDF}: 36.3/22$

+ sign 0.213 ± 0.166 $\chi^2/\text{NDF}: 75.1/56$

All: 0.010 ± 0.119 $\chi^2/\text{NDF}: 227.9/116$

- sign -0.208 ± 0.171 $\chi^2/\text{NDF}: 149.7/59$

diff_bpmtargetdiffX_rms vs Slug



Right In: 1328.710 $\pm$ 0.226 χ^2 /NDF: 4746219.5/31

Left Out: 843.266 $\pm$ 0.137 χ^2 /NDF: 505106.4/24

Right Out: 1391.482 $\pm$ 0.233 χ^2 /NDF: 5223357.3/36

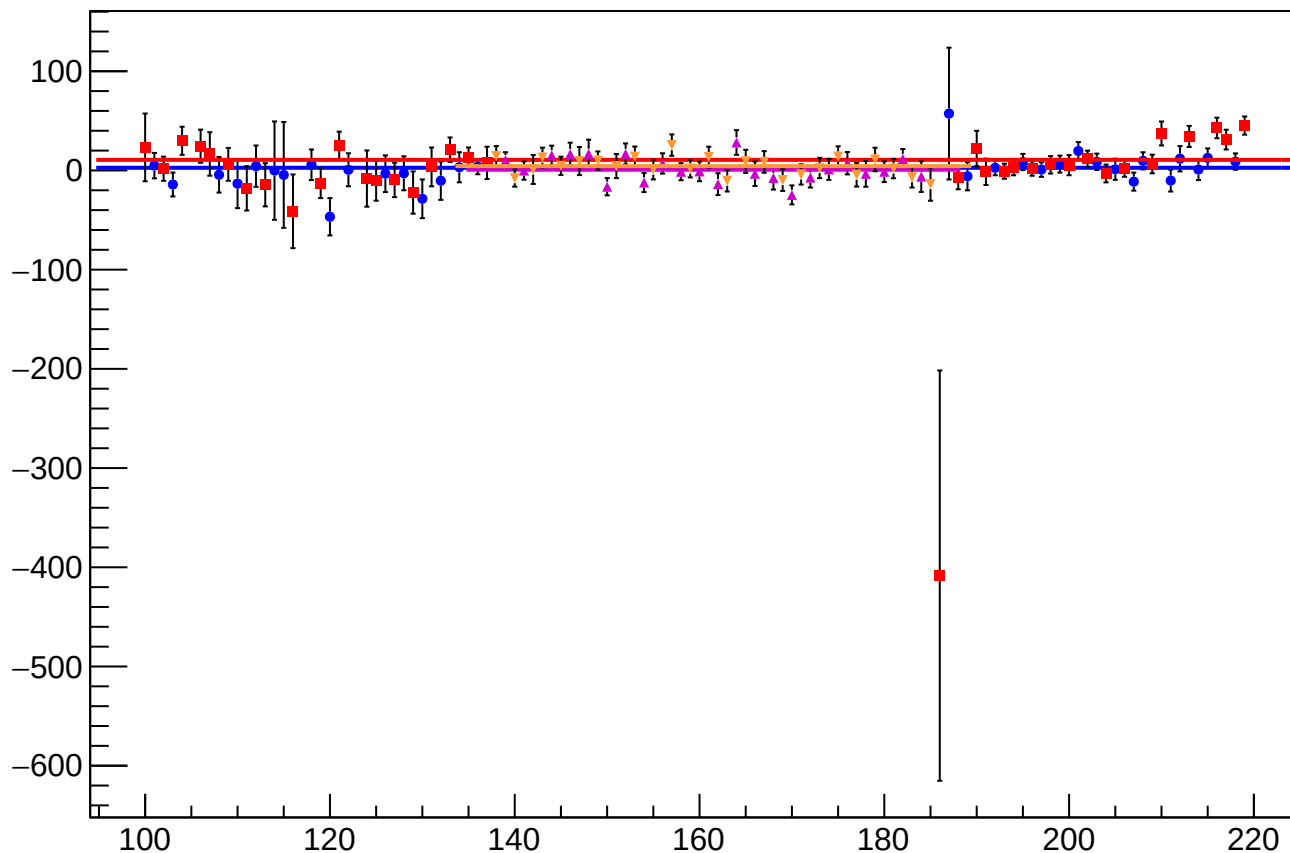
Left In: 851.618 $\pm$ 0.142 χ^2 /NDF: 382555.6/22

+ sign 973.863 $\pm$ 0.117 χ^2 /NDF: 8628723.8/56

All: 985.683 $\pm$ 0.084 χ^2 /NDF: 18181978.3/11

- sign 998.338 $\pm$ 0.121 χ^2 /NDF: 9532172.6/59

diff_bpmtargetsumY_mean vs Slug



Right In: 2.687 ± 2.021 χ^2/NDF : 25.2/31

Left Out: 4.383 ± 2.122 χ^2/NDF : 18.6/24

Right Out: 10.670 ± 1.971 χ^2/NDF : 72.1/36

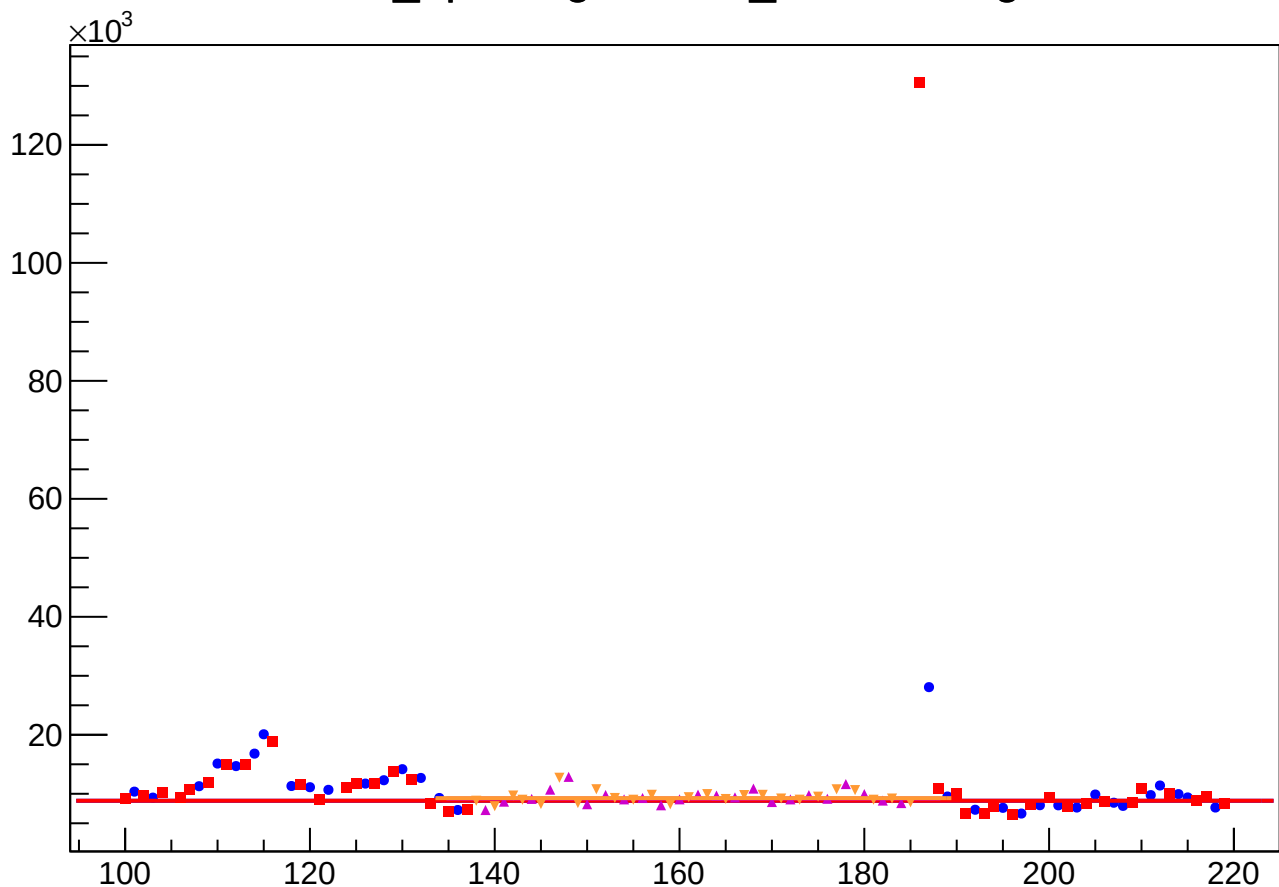
Left In: 0.734 ± 2.171 χ^2/NDF : 32.0/22

+ sign 3.494 ± 1.464 χ^2/NDF : 44.2/56

All: 4.840 ± 1.033 χ^2/NDF : 161.4/116

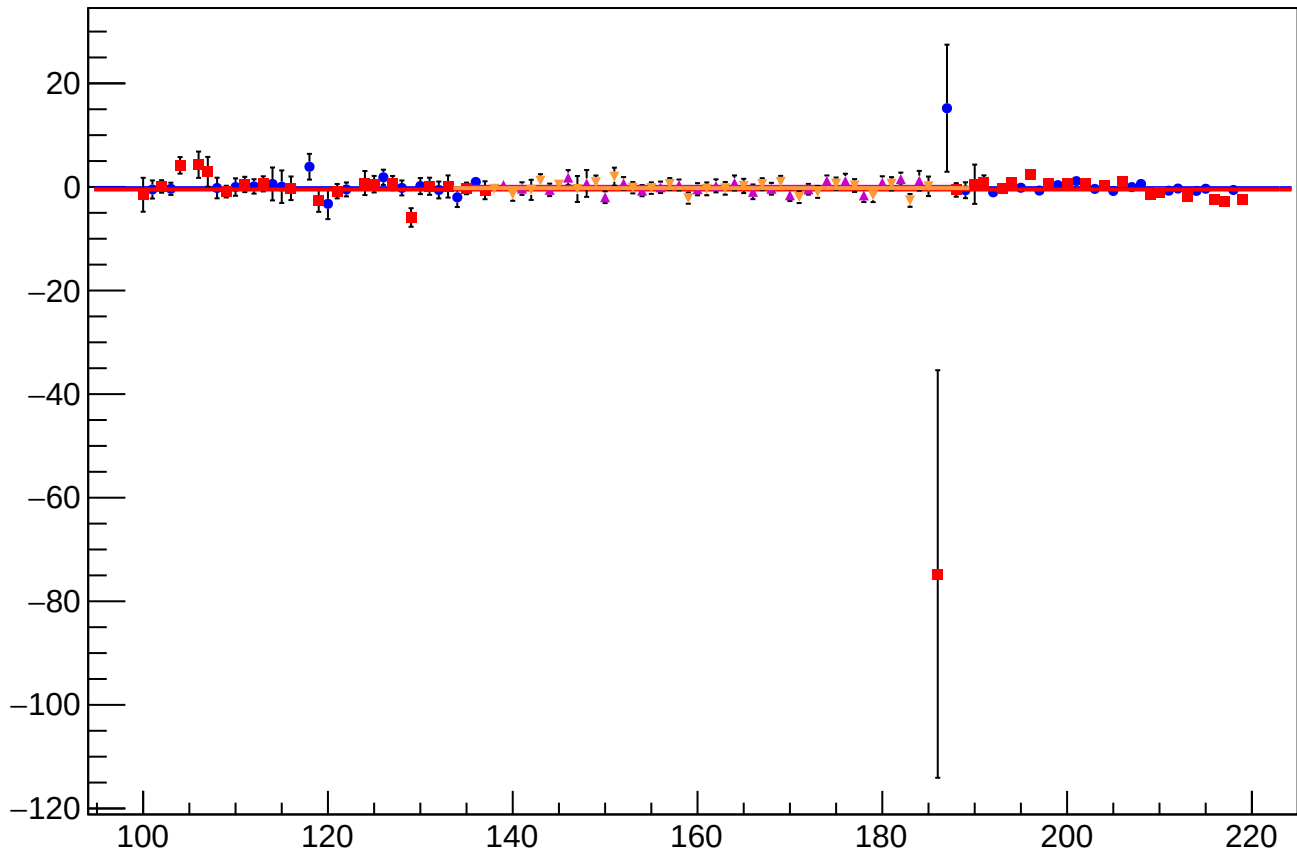
- sign 6.179 ± 1.459 χ^2/NDF : 115.5/59

diff_bpmtargetsumY_rms vs Slug



Right In: 8812.108 ± 1.429 $\chi^2/\text{NDF}: 1806657.8/31$ + sign 9025.965 ± 1.035 $\chi^2/\text{NDF}: 2219772.1/56$
 Left Out: 9261.542 ± 1.500 $\chi^2/\text{NDF}: 366072.4/24$ All: 9008.497 ± 0.731 $\chi^2/\text{NDF}: 5173238.5/11$
 Right Out: 8819.223 ± 1.394 $\chi^2/\text{NDF}: 2403754.8/36$ - sign 8991.130 ± 1.032 $\chi^2/\text{NDF}: 2952898.2/59$
 Left In: 9199.542 ± 1.535 $\chi^2/\text{NDF}: 515496.8/22$

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.233 ± 0.165 χ^2/NDF : 19.1/31

Left Out: -0.229 ± 0.243 χ^2/NDF : 19.0/24

Right Out: -0.499 ± 0.163 χ^2/NDF : 102.1/36

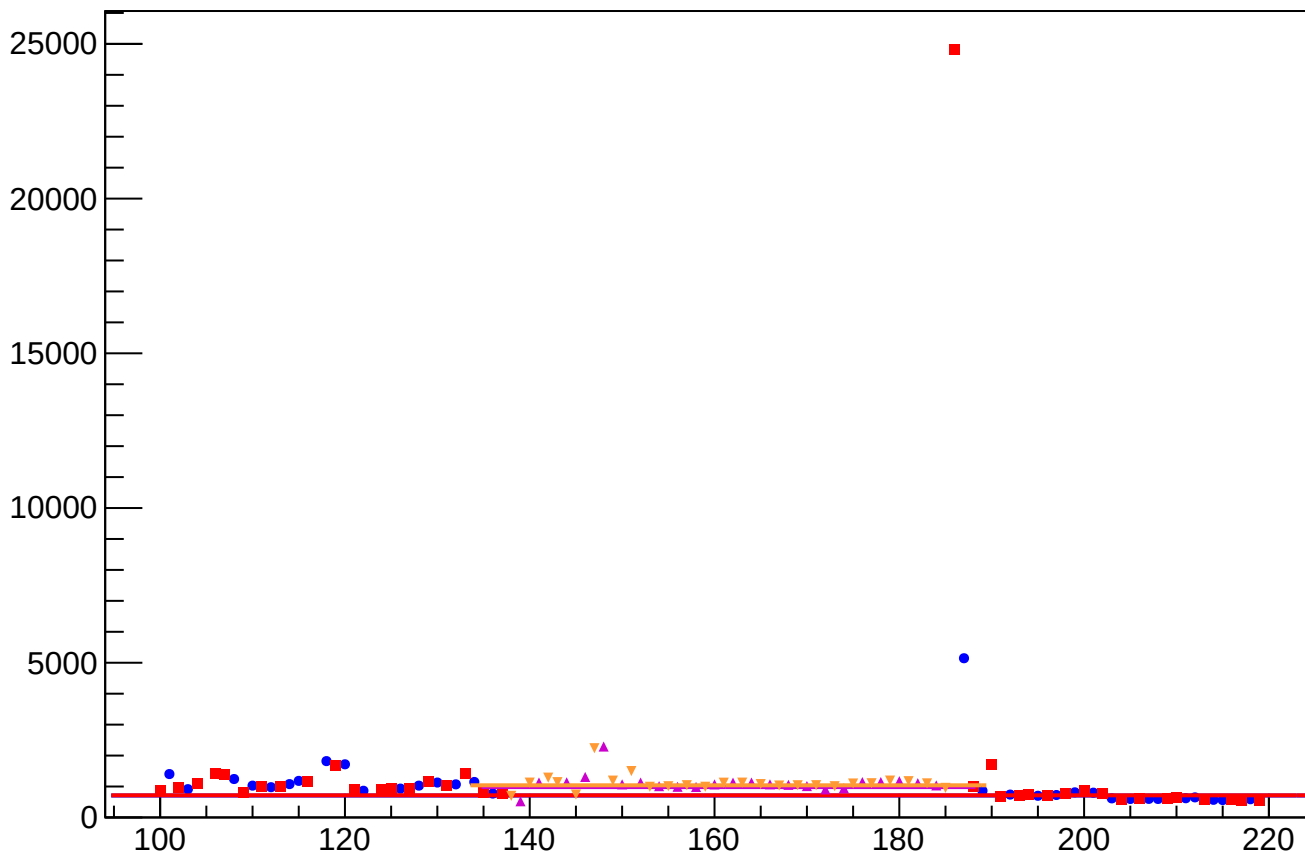
Left In: 0.025 ± 0.239 χ^2/NDF : 15.2/22

+ sign -0.232 ± 0.137 χ^2/NDF : 38.1/56

All: -0.282 ± 0.096 χ^2/NDF : 159.0/116

- sign -0.332 ± 0.135 χ^2/NDF : 120.6/59

diff_bpmtargetdiffY_rms vs Slug



Right In: 708.284 ± 0.117 χ^2/NDF : 2817194.5/31

Left Out: 1039.424 ± 0.172 χ^2/NDF : 1339748.9/24

Right Out: 715.647 ± 0.116 χ^2/NDF : 3393972.1/36

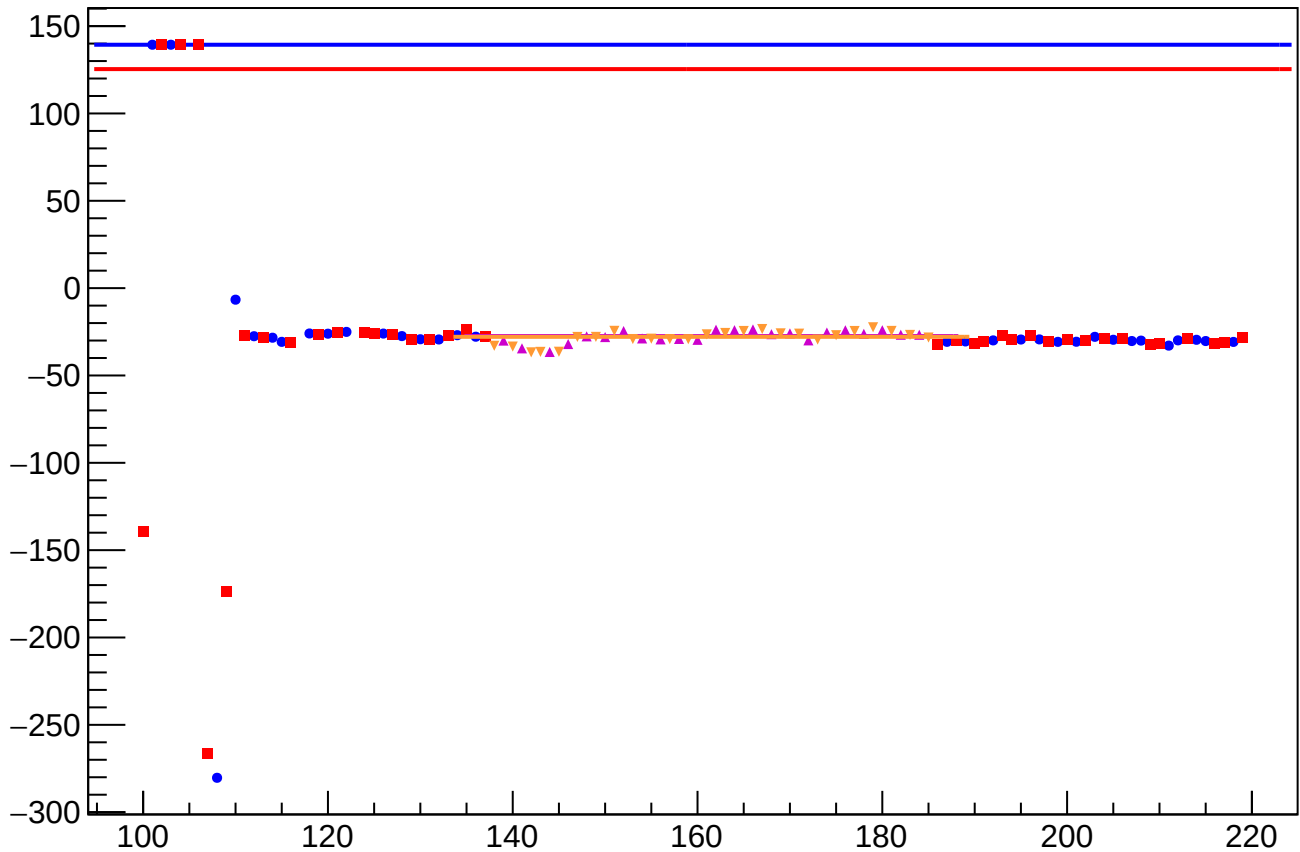
Left In: 981.677 ± 0.169 χ^2/NDF : 2225094.5/22

+ sign 812.515 ± 0.097 χ^2/NDF : 6693312.6/56

All: 806.376 ± 0.068 χ^2/NDF : 14007624.9/11

- sign 800.382 ± 0.095 χ^2/NDF : 7306324.7/59

yield_cav4bX_mean vs Slug



Right In: 139.336 $\pm$ 0.000 χ^2 /NDF: 69794093173.6/31

Left Out: -27.865 $\pm$ 0.000 χ^2 /NDF: 181586557.6/24

Right Out: 125.391 $\pm$ 0.000 χ^2 /NDF: 774194018093061.0/36

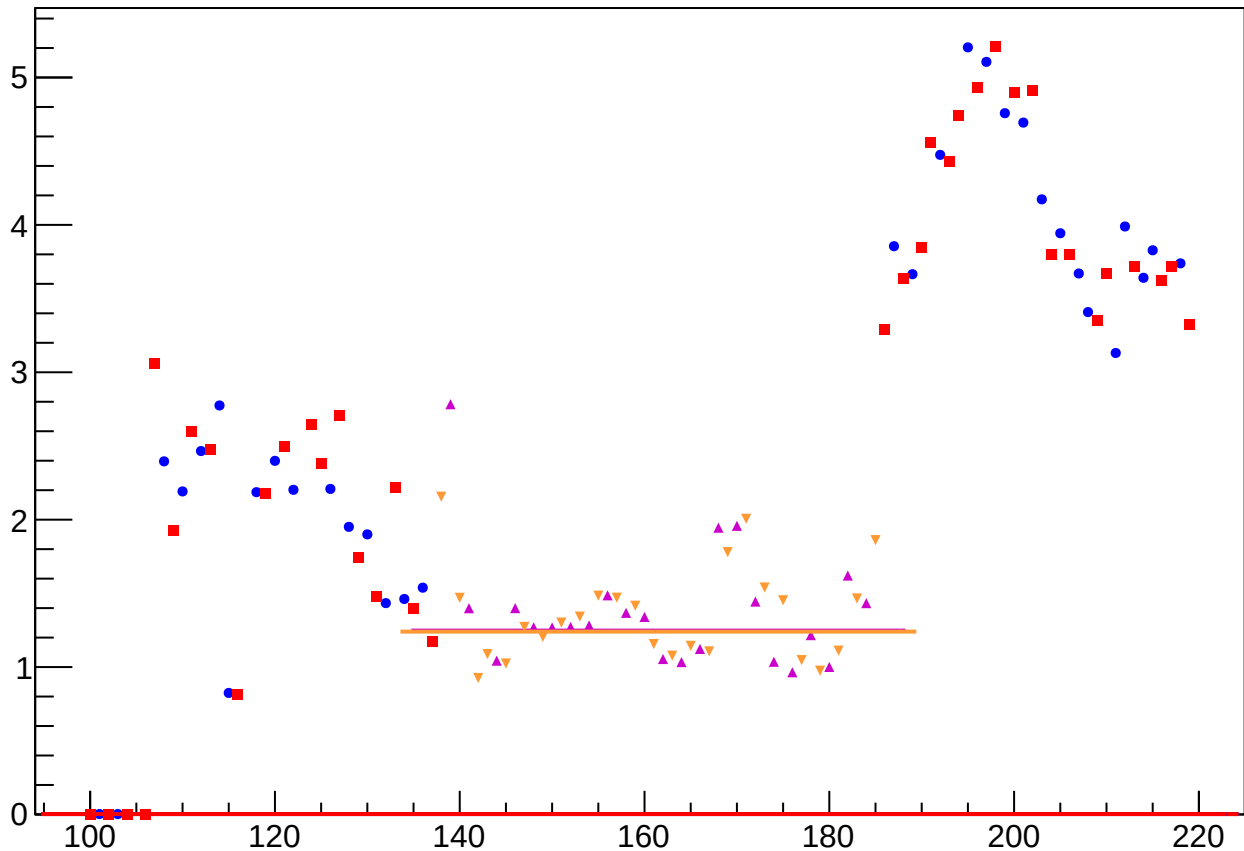
Left In: -27.427 $\pm$ 0.000 χ^2 /NDF: 123181562.3/22

+ sign 139.327 $\pm$ 0.000 χ^2 /NDF: 344335481326.0/5

All: 131.810 $\pm$ 0.000 χ^2 /NDF: 793530810106

- sign 125.384 $\pm$ 0.000 χ^2 /NDF: 774407669961380

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 34632382.7/31

Left Out: 1.241+/-0.000 χ^2/NDF :1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 36916850.9/36

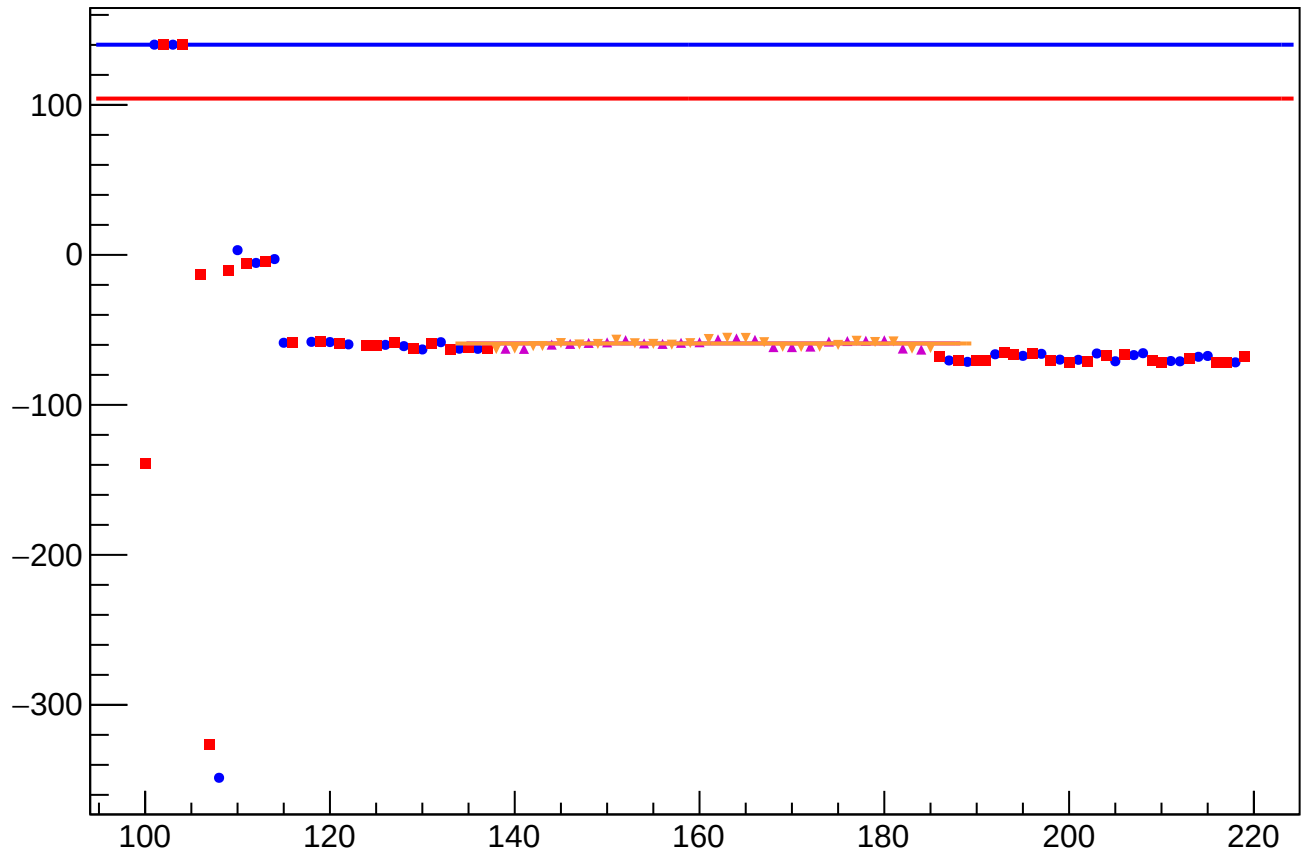
Left In: 1.247+/-0.000 χ^2/NDF :1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF : 65930193.3/56

All: 0.003+/-0.000 χ^2/NDF : 132614084.9/116

- sign 0.003+/-0.000 χ^2/NDF : 66683491.2/59

yield_cav4bY_mean vs Slug



Right In: 140.133 $\pm$ 0.000 χ^2 /NDF: 586812166126.3/31

Left Out: -59.066 $\pm$ 0.000 χ^2 /NDF: 177511074.0/24

Right Out: 104.215 $\pm$ 0.000 χ^2 /NDF: 1257717494106069.5/36

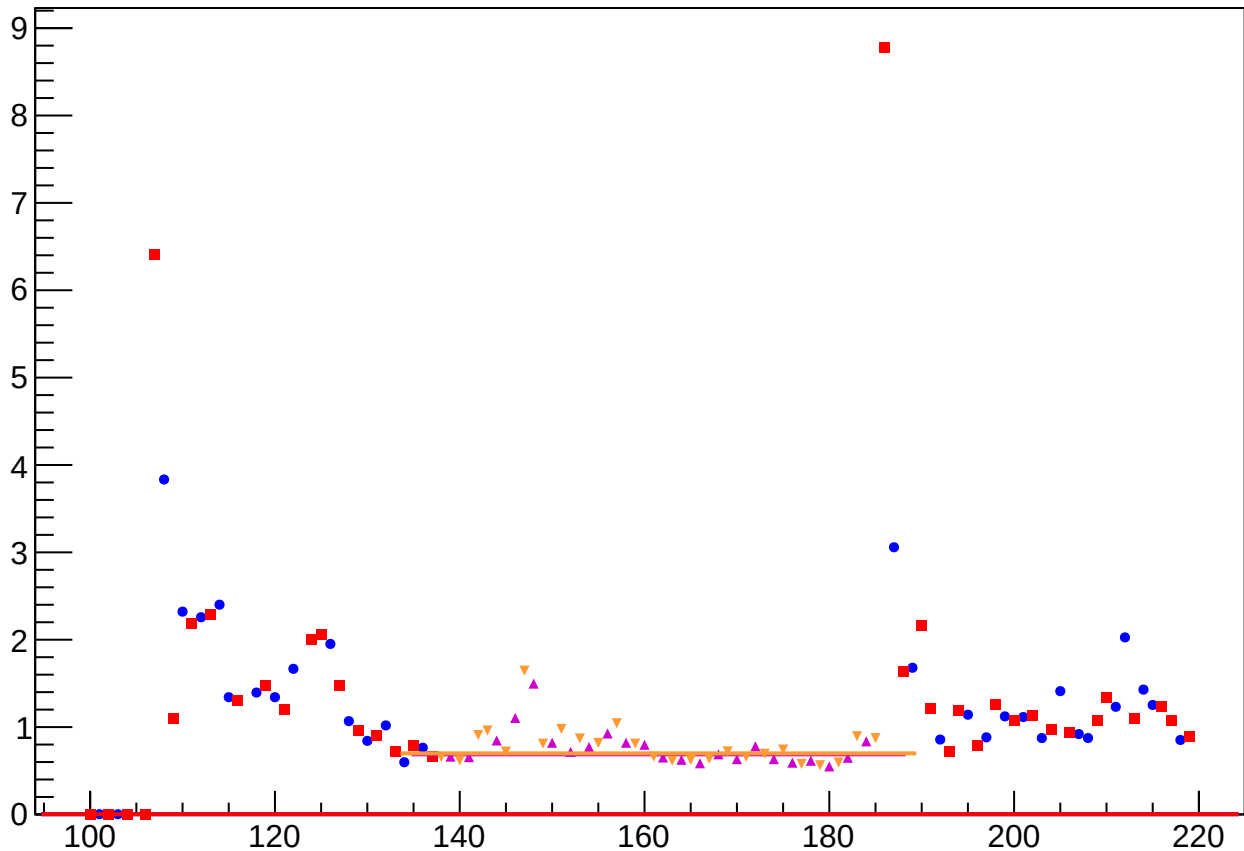
Left In: -59.020 $\pm$ 0.000 χ^2 /NDF: 179236820.4/22

+ sign 140.096 $\pm$ 0.000 χ^2 /NDF: 1883862905418.3

All: 120.791 $\pm$ 0.000 χ^2 /NDF: 138370160078

- sign 104.190 $\pm$ 0.000 χ^2 /NDF: 125857446627317

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 31636164.4/31

Left Out: 0.699+/-0.000 χ^2/NDF :1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 34272336.2/36

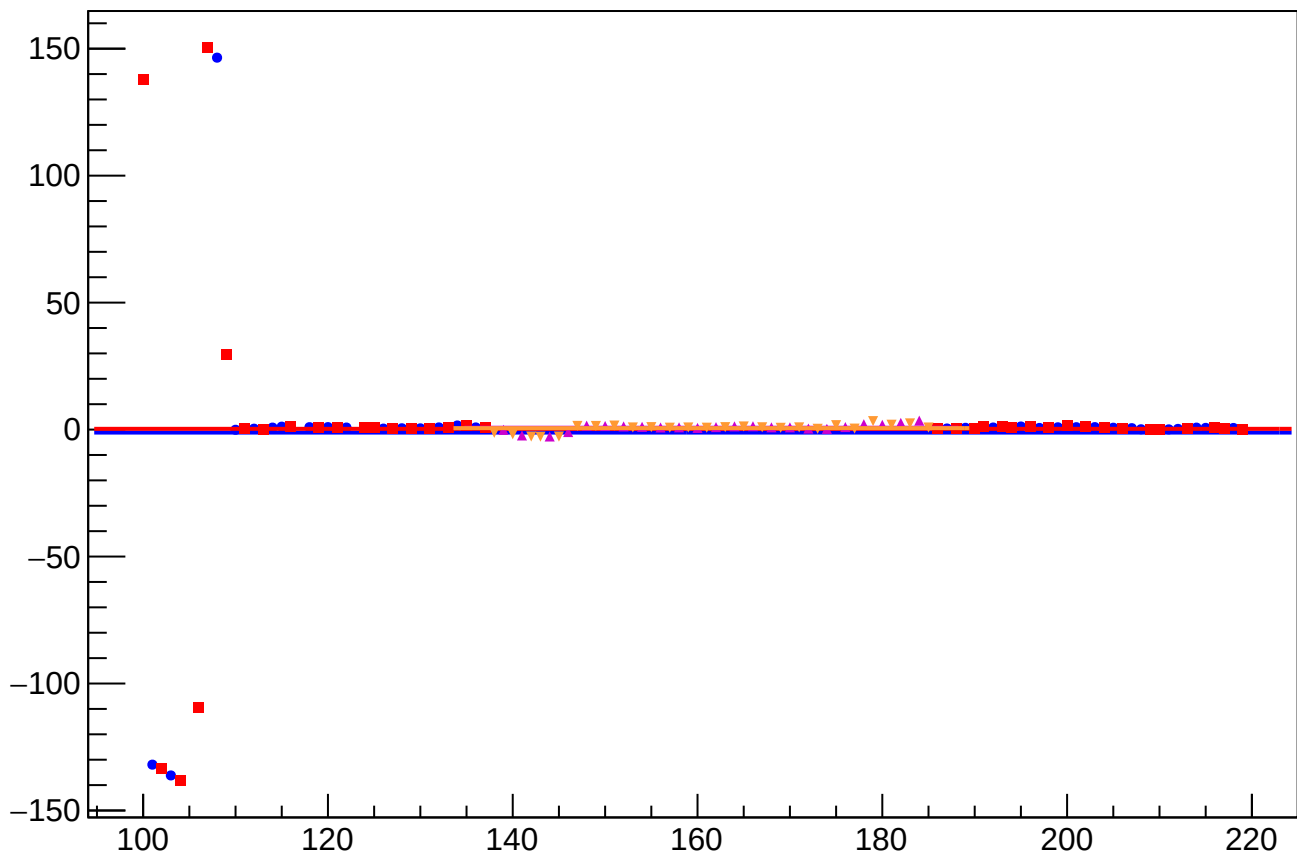
Left In: 0.688+/-0.000 χ^2/NDF :1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 64685647.8/56

All: 0.003+/-0.000 χ^2/NDF : 130264498.9/116

- sign 0.003+/-0.000 χ^2/NDF : 65578263.7/59

yield_cav4cX_mean vs Slug



Right In: -1.173 ± 0.000 χ^2/NDF : 9912799531.4/31

Left Out: 0.575 ± 0.000 χ^2/NDF : 154364809.1/24

Right Out: 0.299 ± 0.000 χ^2/NDF : 3613096140.1/36

Left In: 0.732 ± 0.000 χ^2/NDF : 105135095.8/22

+ sign 0.110 ± 0.000 χ^2/NDF : 10116574226.8/56

All: 0.353 ± 0.000 χ^2/NDF : 13847798976.6/100

- sign 0.620 ± 0.000 χ^2/NDF : 3720967275.6/59

yield_cav4cX_rms vs Slug



Right In: 0.795 $\pm$ 0.000 χ^2 /NDF: 8991739.2/31

Left Out: 0.507 $\pm$ 0.000 χ^2 /NDF:554639.8/24

Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 9366162.3/36

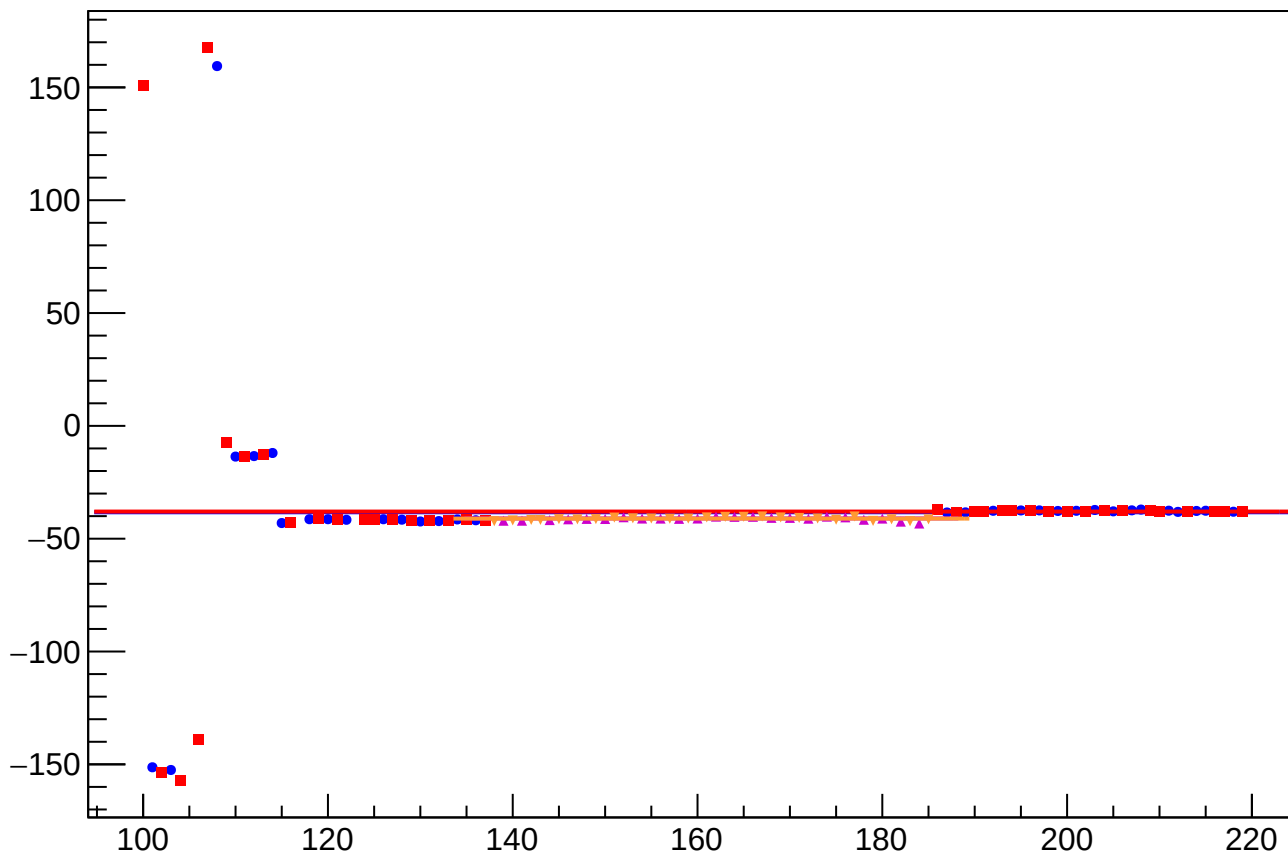
Left In: 0.513 $\pm$ 0.000 χ^2 /NDF:753419.6/22

+ sign 0.584 $\pm$ 0.000 χ^2 /NDF: 12230073.7/56

All: 0.595 $\pm$ 0.000 χ^2 /NDF: 26282665.6/116

- sign 0.608 $\pm$ 0.000 χ^2 /NDF: 14006461.8/59

yield_cav4cY_mean vs Slug



Right In: -38.295+/-0.000 χ^2/NDF : 3623534280.4/31

Left Out: -41.092+/-0.000 χ^2/NDF : 60251030.2/24

Right Out: -37.978+/-0.000 χ^2/NDF : 2514614432.7/36

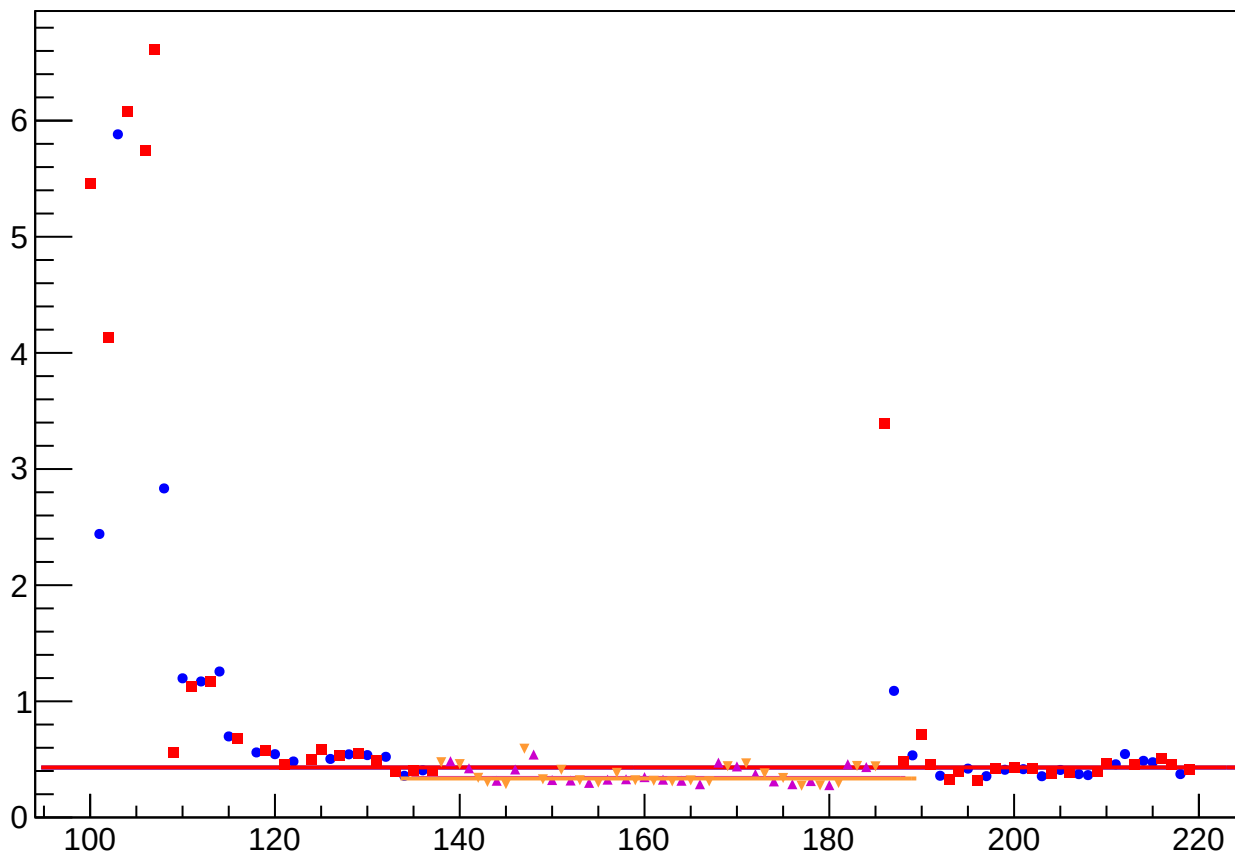
Left In: -41.029+/-0.000 χ^2/NDF : 51382147.2/22

+ sign -40.072+/-0.000 χ^2/NDF : 4133014261.6/56

All: -39.952+/-0.000 χ^2/NDF : 7238326138.7/119

- sign -39.828+/-0.000 χ^2/NDF : 3098033292.8/59

yield_cav4cY_rms vs Slug



Right In: 0.429 $\pm$ 0.000 χ^2 /NDF: 3894148.4/31

Left Out: 0.336 $\pm$ 0.000 χ^2 /NDF:1238006.0/24

Right Out: 0.431 $\pm$ 0.000 χ^2 /NDF: 4747529.2/36

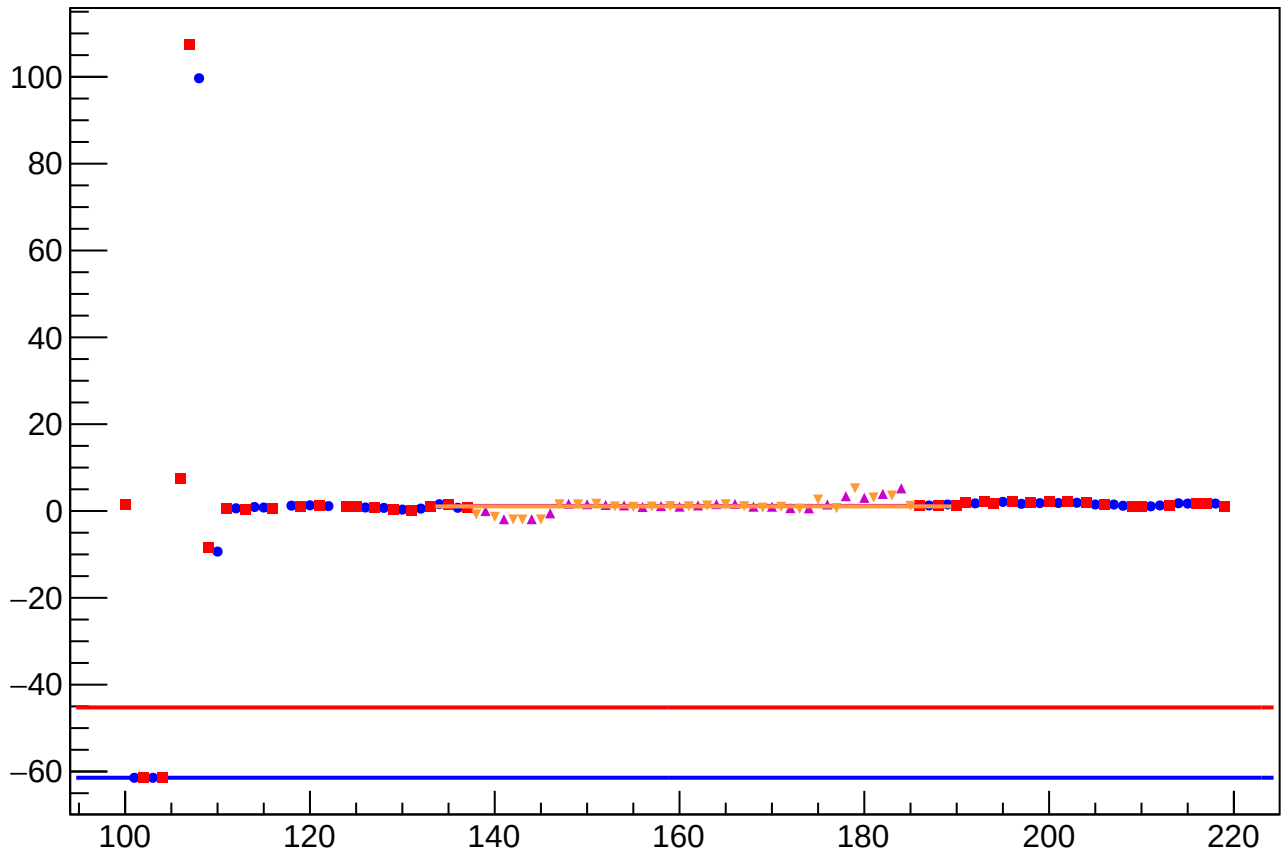
Left In: 0.340 $\pm$ 0.000 χ^2 /NDF:1065343.8/22

+ sign 0.370 $\pm$ 0.000 χ^2 /NDF: 6142963.0/56

All: 0.373 $\pm$ 0.000 χ^2 /NDF: 12903292.4/116

- sign 0.376 $\pm$ 0.000 χ^2 /NDF: 6751373.8/59

yield_cav4dX_mean vs Slug



Right In: -61.435 ± 0.000 $\chi^2/\text{NDF}: 305063041301.8/31$

Left Out: 1.059 ± 0.000 $\chi^2/\text{NDF}: 253133917.4/24$

Right Out: -45.244 ± 0.000 $\chi^2/\text{NDF}: 357888862928465.4/36$

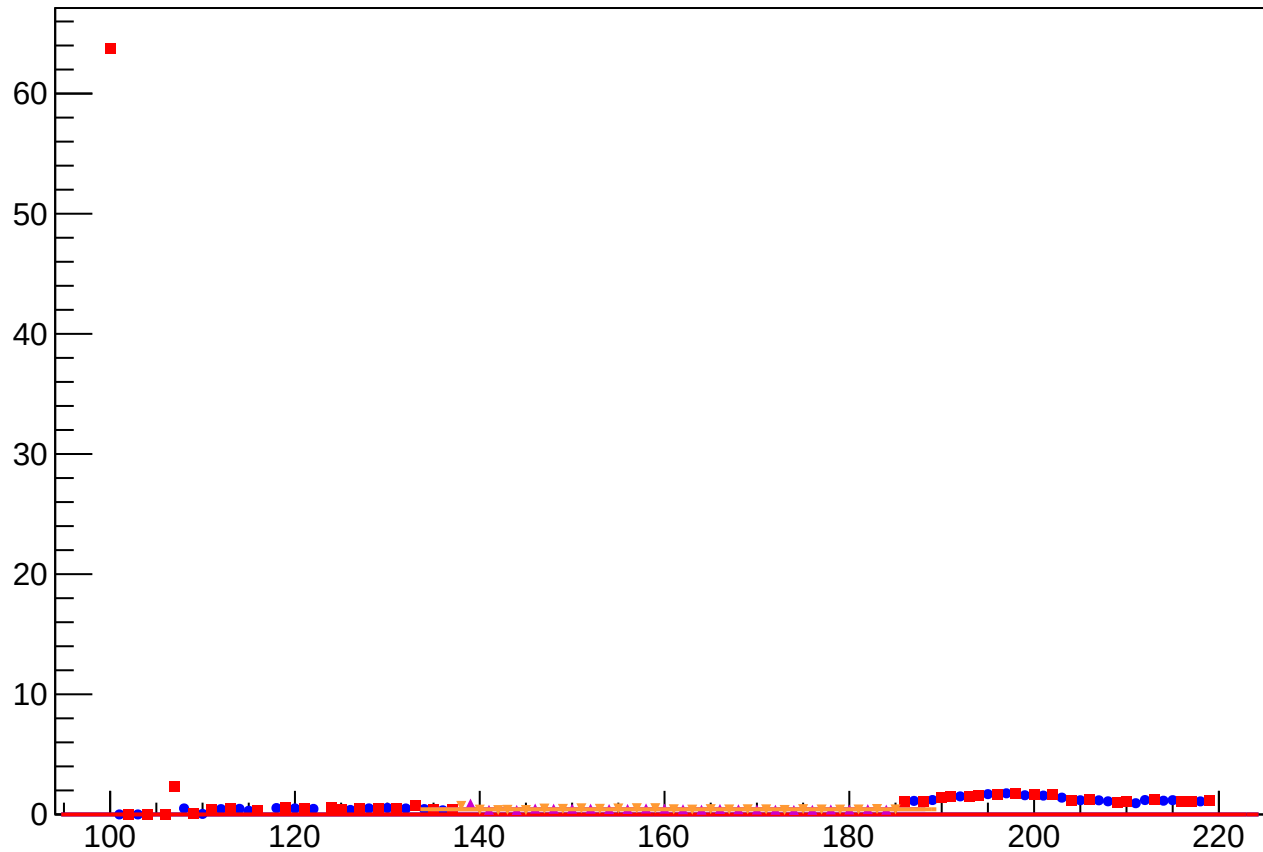
Left In: 1.175 ± 0.000 $\chi^2/\text{NDF}: 182397676.2/22$

+ sign -61.420 ± 0.000 $\chi^2/\text{NDF}: 635057103748.1/5$

All: -52.737 ± 0.000 $\chi^2/\text{NDF}: 409639734548$

- sign -45.236 ± 0.000 $\chi^2/\text{NDF}: 358055423080825.$

yield_cav4dX_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 34208716.6/31

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:527546.3/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 36549759.5/36

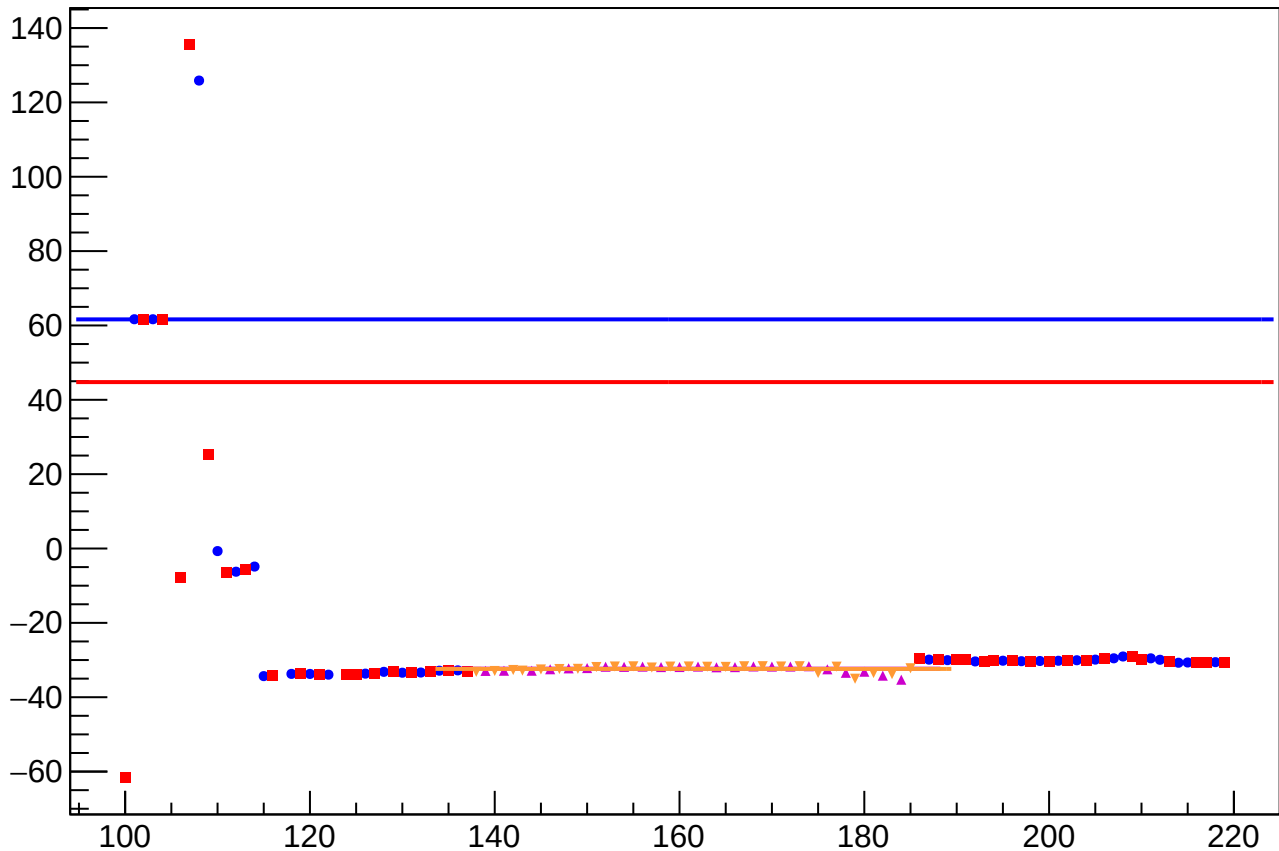
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:698702.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 65970537.1/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 132660467.7/116

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 66689703.3/59

yield_cav4dY_mean vs Slug



Right In: 61.634 $\pm$ 0.000 χ^2 /NDF: 1243436501806.2/31

Left Out: -32.386 $\pm$ 0.000 χ^2 /NDF: 172024234.9/24

Right Out: 44.765 $\pm$ 0.000 χ^2 /NDF: 366678653719765.6/36

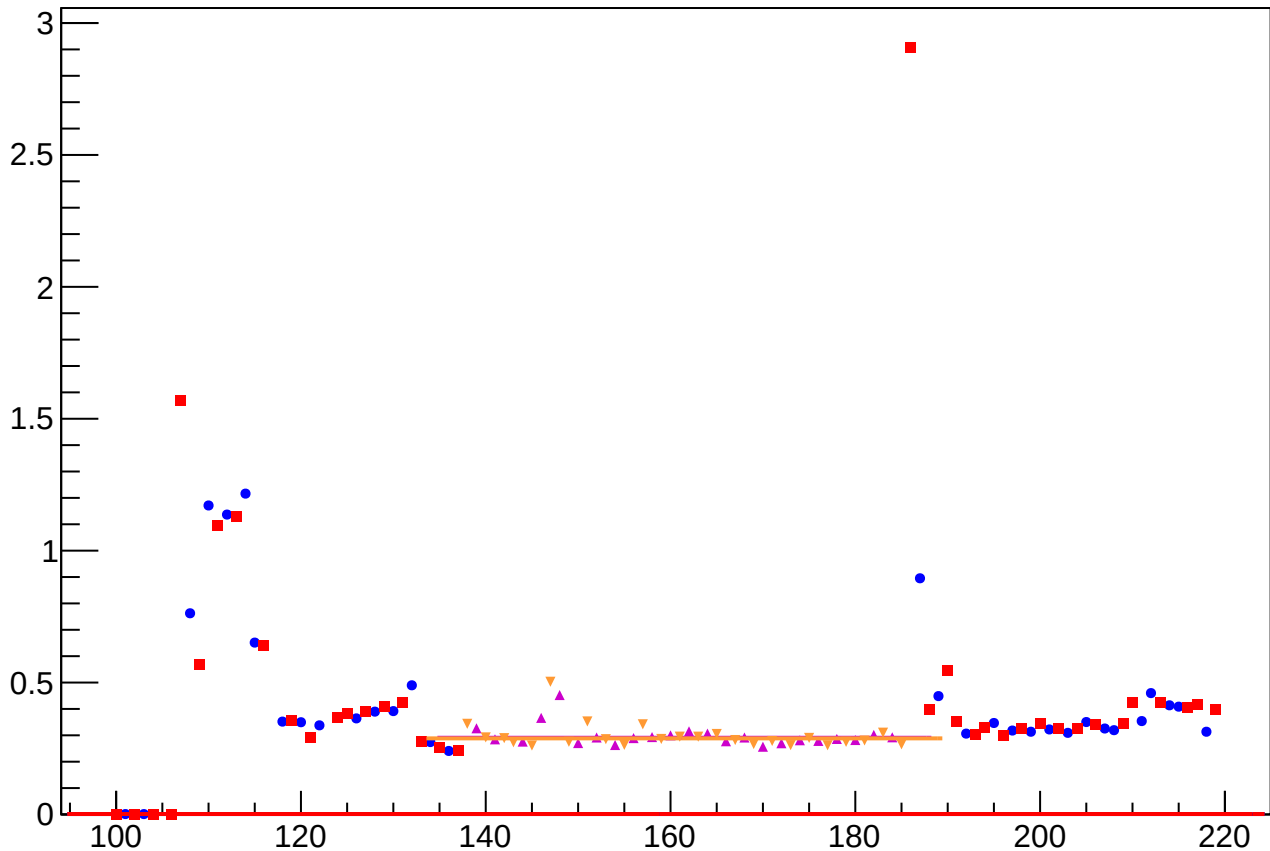
Left In: -32.325 $\pm$ 0.000 χ^2 /NDF: 118654391.5/22

+ sign 61.572 $\pm$ 0.000 χ^2 /NDF: 3200394880122.7/5

All: 52.614 $\pm$ 0.000 χ^2 /NDF: 4220860261604

- sign 44.724 $\pm$ 0.000 χ^2 /NDF: 367905822431474.9

yield_cav4dY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 35526118.4/31

Left Out: 0.288 $\pm$ 0.000 χ^2 /NDF:522979.2/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 37374606.6/36

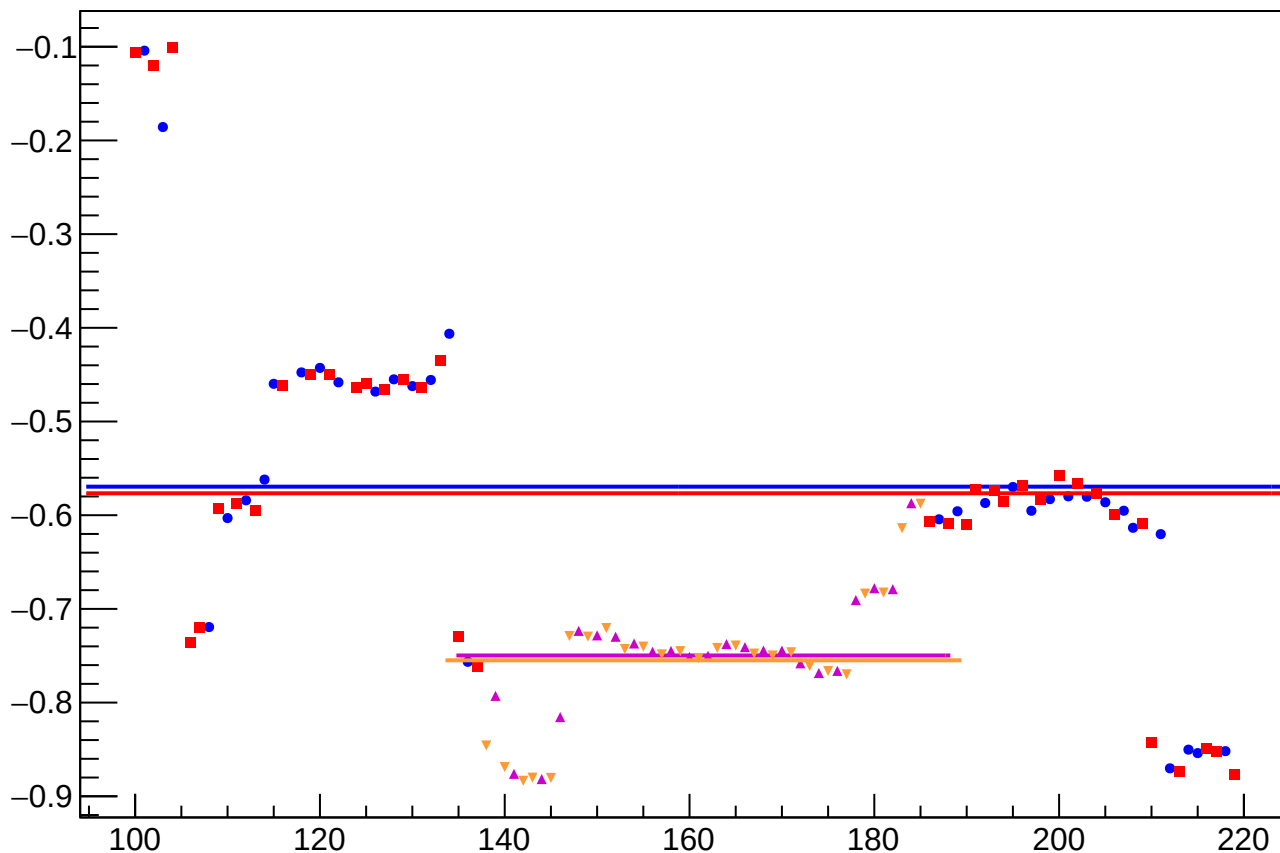
Left In: 0.291 $\pm$ 0.000 χ^2 /NDF:387524.5/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 72462912.0/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 144723253.2/116

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 72260160.3/59

yield_bpm4aX_mean vs Slug



Right In: -0.570 ± 0.000 $\chi^2/\text{NDF}: 413190957.7/31$

Left Out: -0.755 ± 0.000 $\chi^2/\text{NDF}: 212643091.8/24$

Right Out: -0.577 ± 0.000 $\chi^2/\text{NDF}: 349705133.9/36$

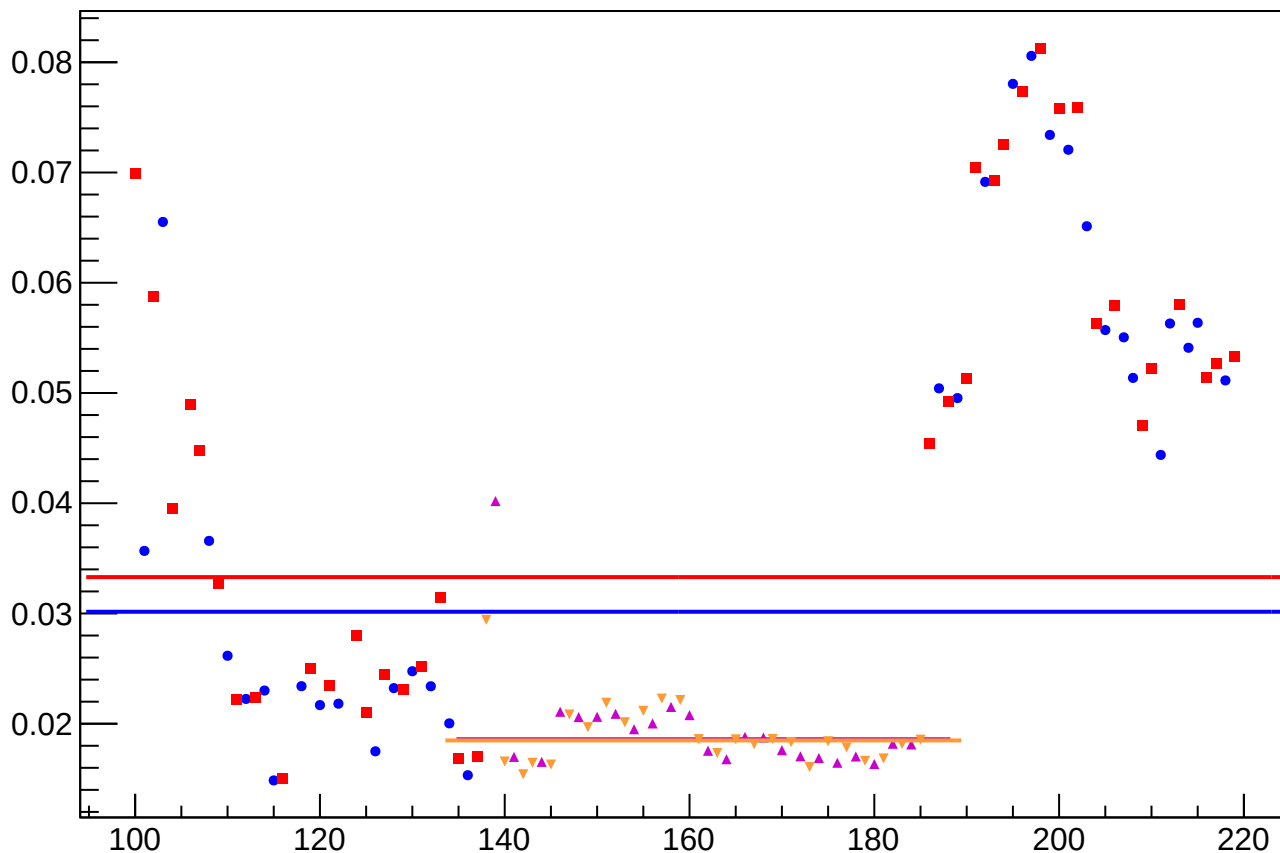
Left In: -0.750 ± 0.000 $\chi^2/\text{NDF}: 140839352.1/22$

+ sign -0.708 ± 0.000 $\chi^2/\text{NDF}: 1019801757.6/56$

All: -0.708 ± 0.000 $\chi^2/\text{NDF}: 1825531918.1/11$

- sign -0.707 ± 0.000 $\chi^2/\text{NDF}: 805662282.3/59$

yield_bpm4aX_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 9153652.1/31

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:491665.0/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 8695717.9/36

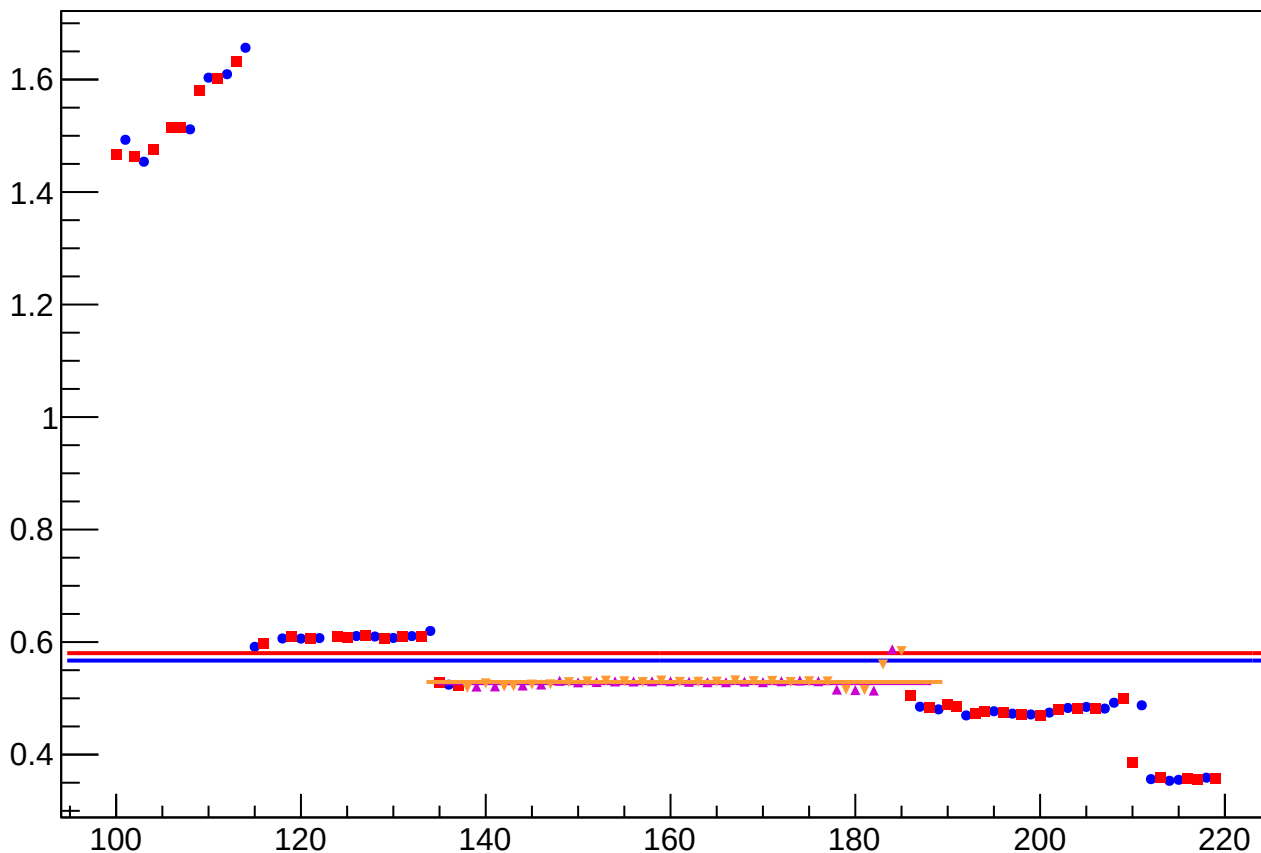
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:739183.3/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 12769950.7/56

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 26793188.4/116

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 13983516.3/59

yield_bpm4aY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 6300901932.0/31

Left Out: 0.529 $\pm$ 0.000 χ^2 /NDF:16236836.5/24

Right Out: 0.580 $\pm$ 0.000 χ^2 /NDF: 7341846493.3/36

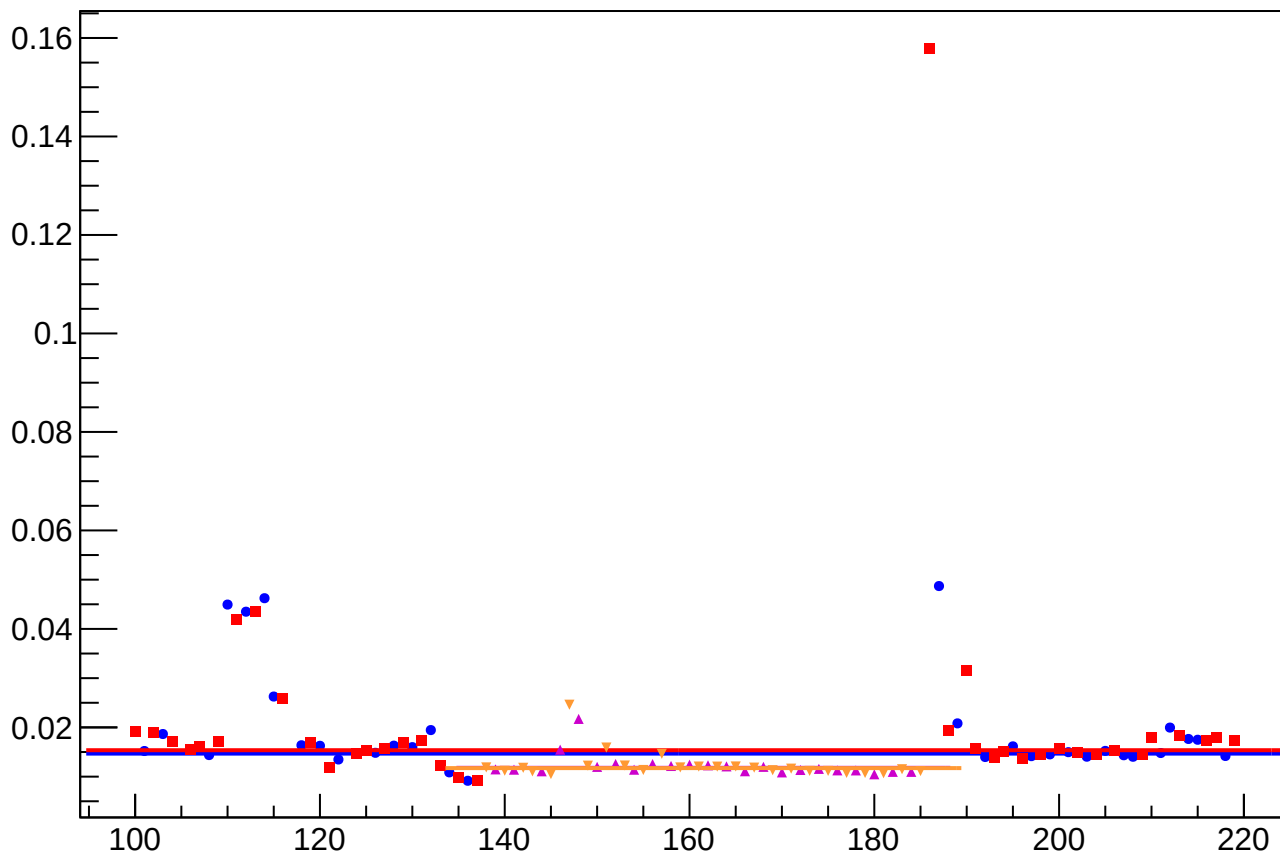
Left In: 0.527 $\pm$ 0.000 χ^2 /NDF:13035326.4/22

+ sign 0.544 $\pm$ 0.000 χ^2 /NDF: 6391911522.8/56

All: 0.546 $\pm$ 0.000 χ^2 /NDF: 13889447302.0/1

- sign 0.548 $\pm$ 0.000 χ^2 /NDF: 7495659611.5/59

yield_bpm4aY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 2198948.8/31

Left Out: 0.012+/-0.000 χ^2/NDF : 699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2569878.3/36

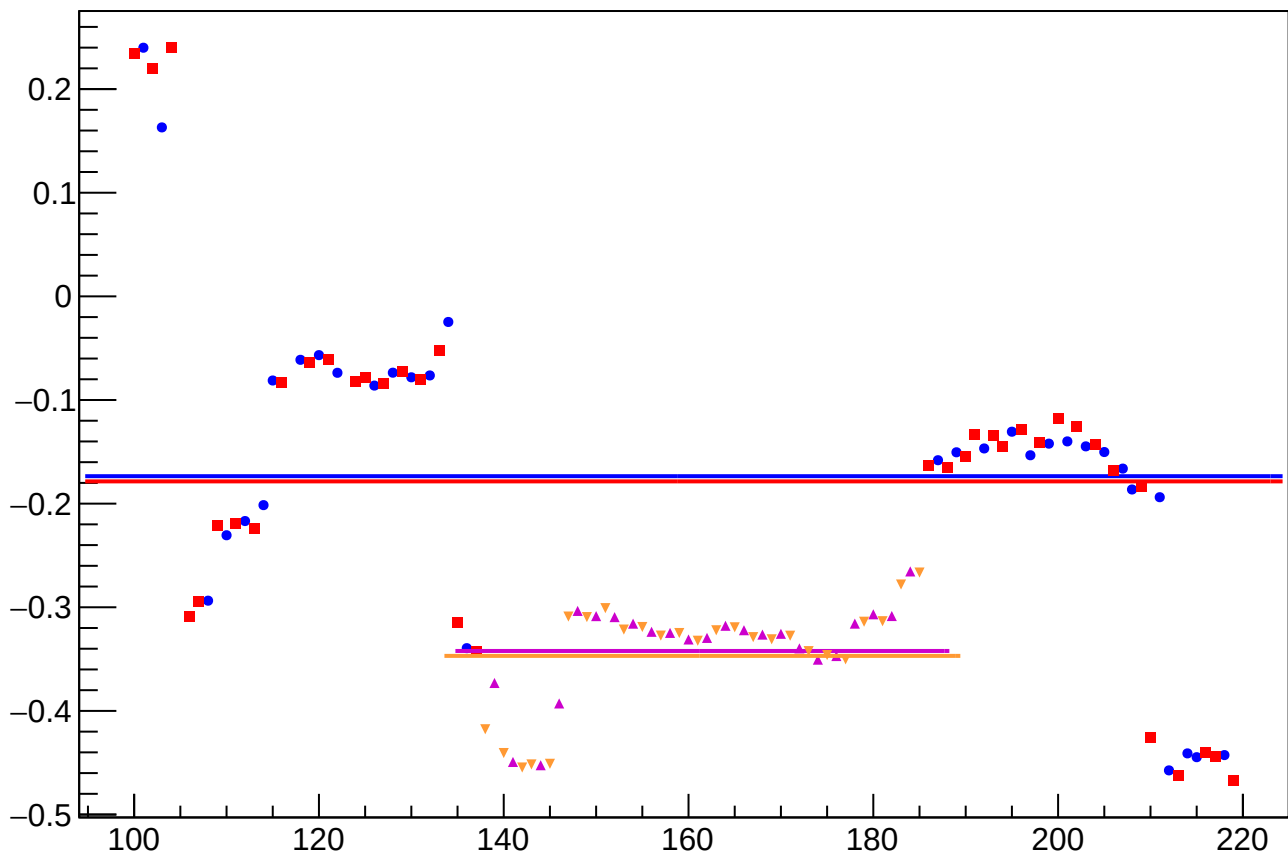
Left In: 0.012+/-0.000 χ^2/NDF : 519826.8/22

+ sign 0.013+/-0.000 χ^2/NDF : 3794774.0/56

All: 0.013+/-0.000 χ^2/NDF : 8172795.0/116

- sign 0.013+/-0.000 χ^2/NDF : 4355346.3/59

yield_bpm4eX_mean vs Slug



Right In: -0.174 ± 0.000 χ^2/NDF : 385865493.4/31

Left Out: -0.347 ± 0.000 χ^2/NDF : 125890246.2/24

Right Out: -0.179 ± 0.000 χ^2/NDF : 334157622.3/36

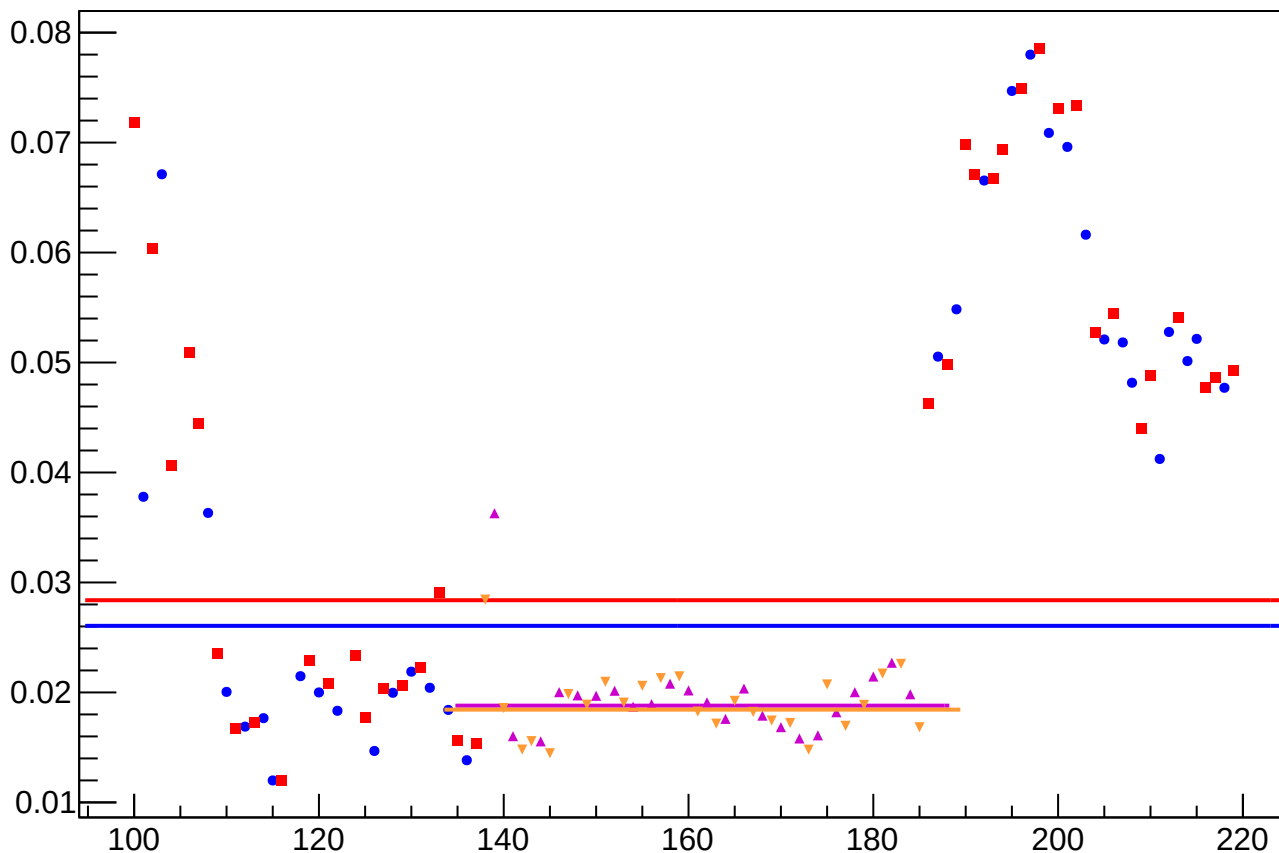
Left In: -0.342 ± 0.000 χ^2/NDF : 88220744.3/22

+ sign -0.296 ± 0.000 χ^2/NDF : 925182304.4/56

All: -0.295 ± 0.000 χ^2/NDF : 1686996419.8/1

- sign -0.293 ± 0.000 χ^2/NDF : 761623588.9/59

yield_bpm4eX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 10547032.7/31

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:640029.5/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 10608582.8/36

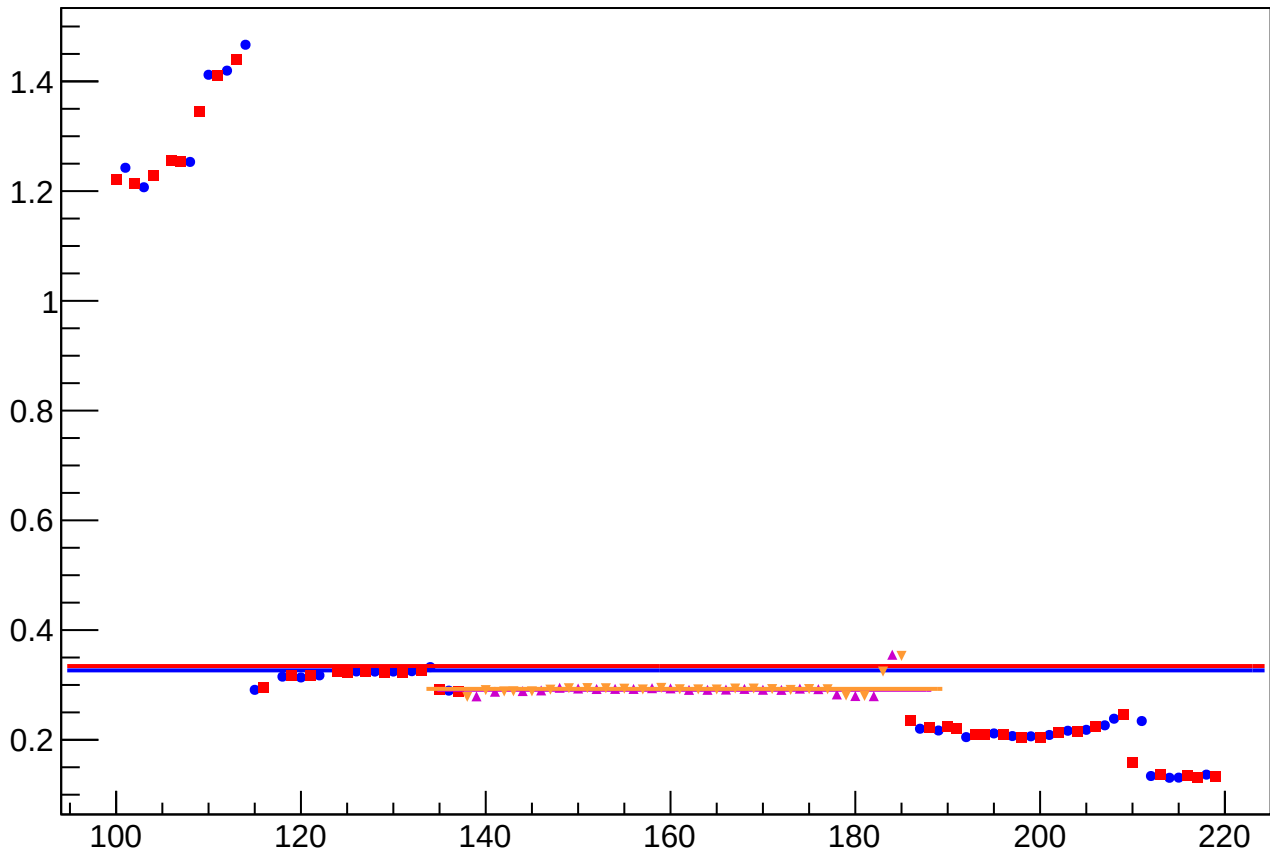
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:718726.0/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 12783927.4/56

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 26500566.8/116

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 13656378.1/59

yield_bpm4eY_mean vs Slug



Right In: 0.327 $\pm$ 0.000 χ^2 /NDF: 8955419368.5/31

Left Out: 0.293 $\pm$ 0.000 χ^2 /NDF:17281571.0/24

+ sign 0.306 $\pm$ 0.000 χ^2 /NDF: 9043598900.9/56

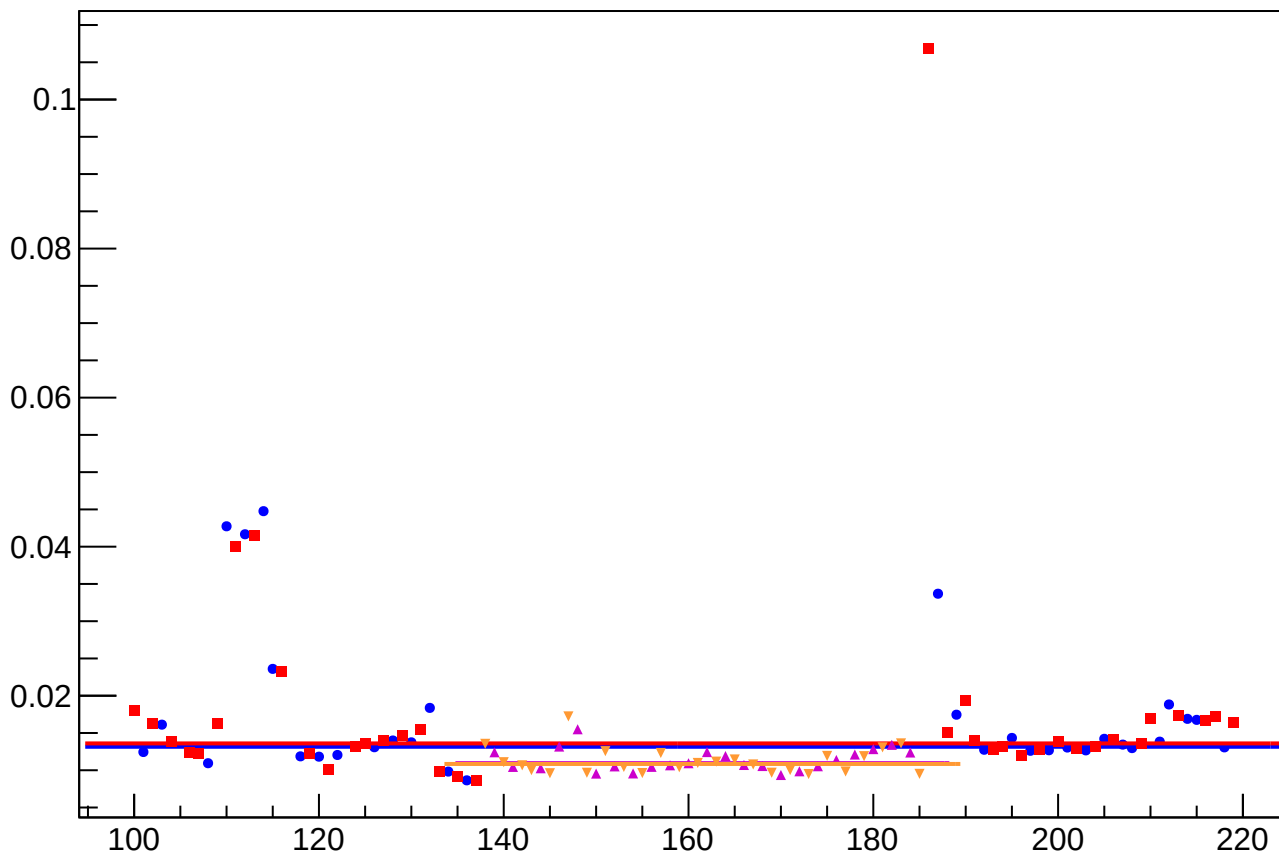
Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 9939991228.1/36

All: 0.308 $\pm$ 0.000 χ^2 /NDF: 19107638030.9/1

- sign 0.309 $\pm$ 0.000 χ^2 /NDF: 10063018915.0/59

Left In: 0.291 $\pm$ 0.000 χ^2 /NDF:10282762.1/22

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2144867.9/31

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:654475.7/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2553953.6/36

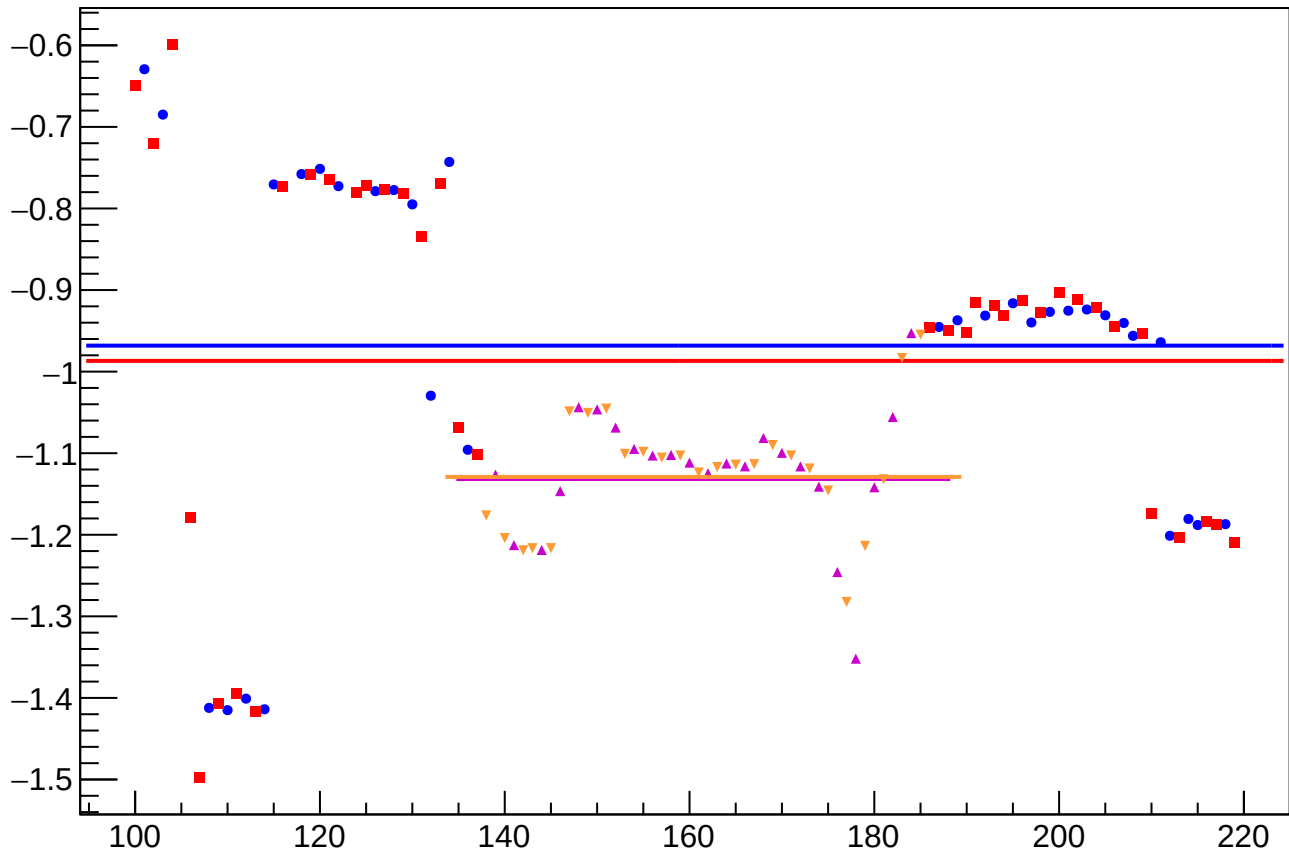
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:512130.1/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3463830.9/56

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 7393537.3/116

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3908671.5/59

yield_bpm4acX_mean vs Slug



Right In: -0.968+/-0.000 χ^2/NDF : 765171661.8/31

Left Out: -1.129+/-0.000 χ^2/NDF : 238152679.4/24

Right Out: -0.987+/-0.000 χ^2/NDF : 788909281.1/36

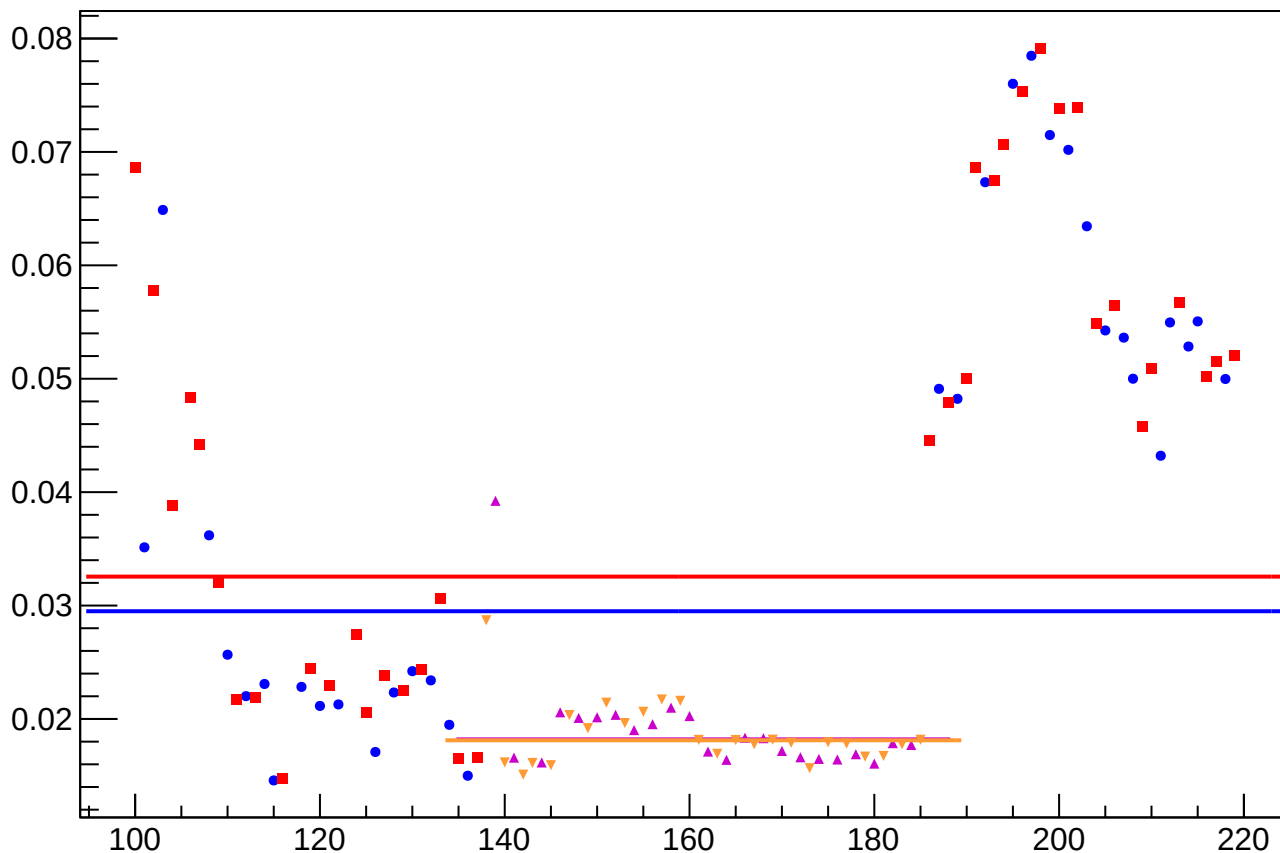
Left In: -1.132+/-0.000 χ^2/NDF : 260075820.5/22

+ sign -1.089+/-0.000 χ^2/NDF : 1313759395.6/56

All: -1.092+/-0.000 χ^2/NDF : 2595051849.9/1

- sign -1.096+/-0.000 χ^2/NDF : 1279712345.8/59

yield_bpm4acX_rms vs Slug



Right In: 0.029 ± 0.000 χ^2/NDF : 9123096.4/31

Left Out: 0.018 ± 0.000 χ^2/NDF : 474004.4/24

Right Out: 0.033 ± 0.000 χ^2/NDF : 8666315.4/36

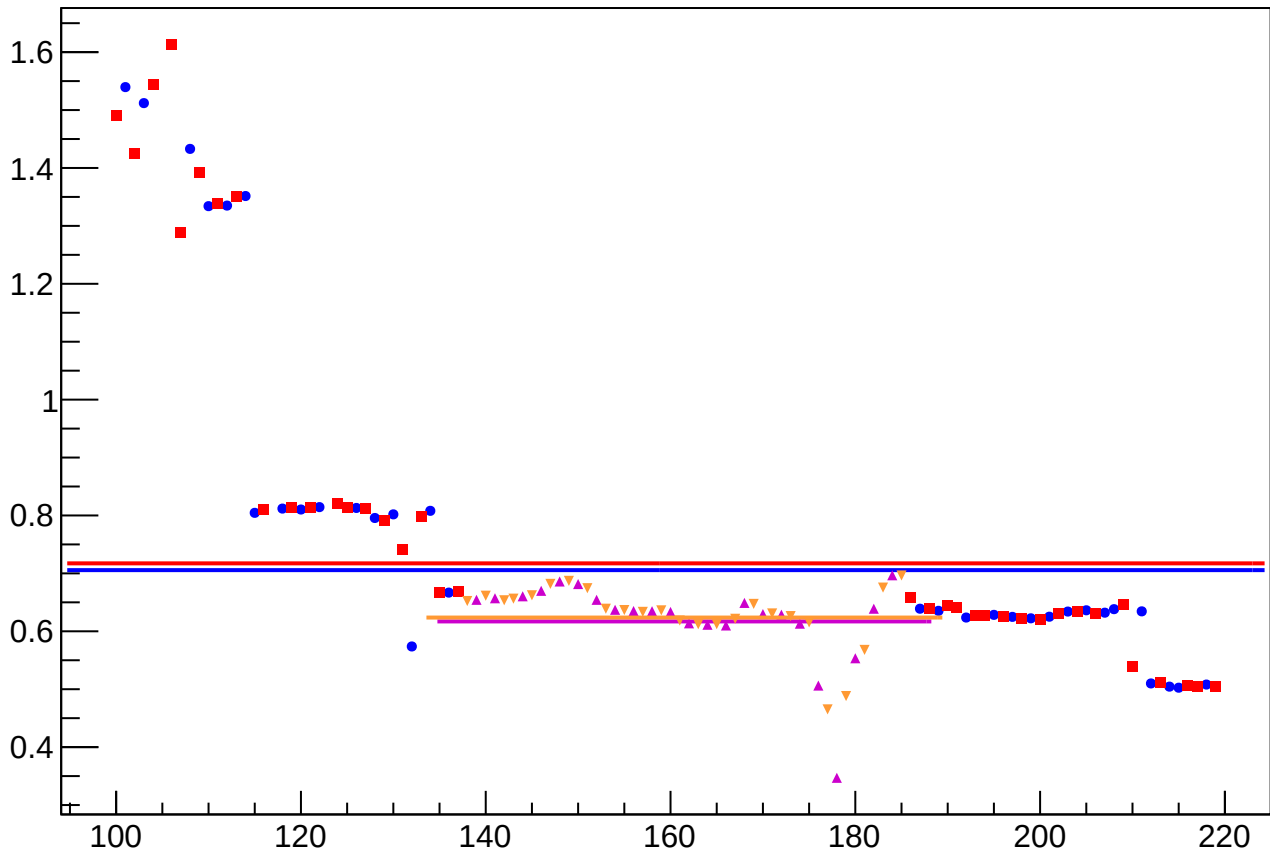
Left In: 0.018 ± 0.000 χ^2/NDF : 723957.3/22

+ sign 0.021 ± 0.000 χ^2/NDF : 12700060.5/56

All: 0.021 ± 0.000 χ^2/NDF : 26657163.7/116

- sign 0.022 ± 0.000 χ^2/NDF : 13920518.9/59

yield_bpm4acY_mean vs Slug



Right In: 0.706 $\pm$ 0.000 χ^2 /NDF: 4447636704.0/31

Left Out: 0.624 $\pm$ 0.000 χ^2 /NDF: 400613435.2/24

Right Out: 0.717 $\pm$ 0.000 χ^2 /NDF: 4875816375.8/36

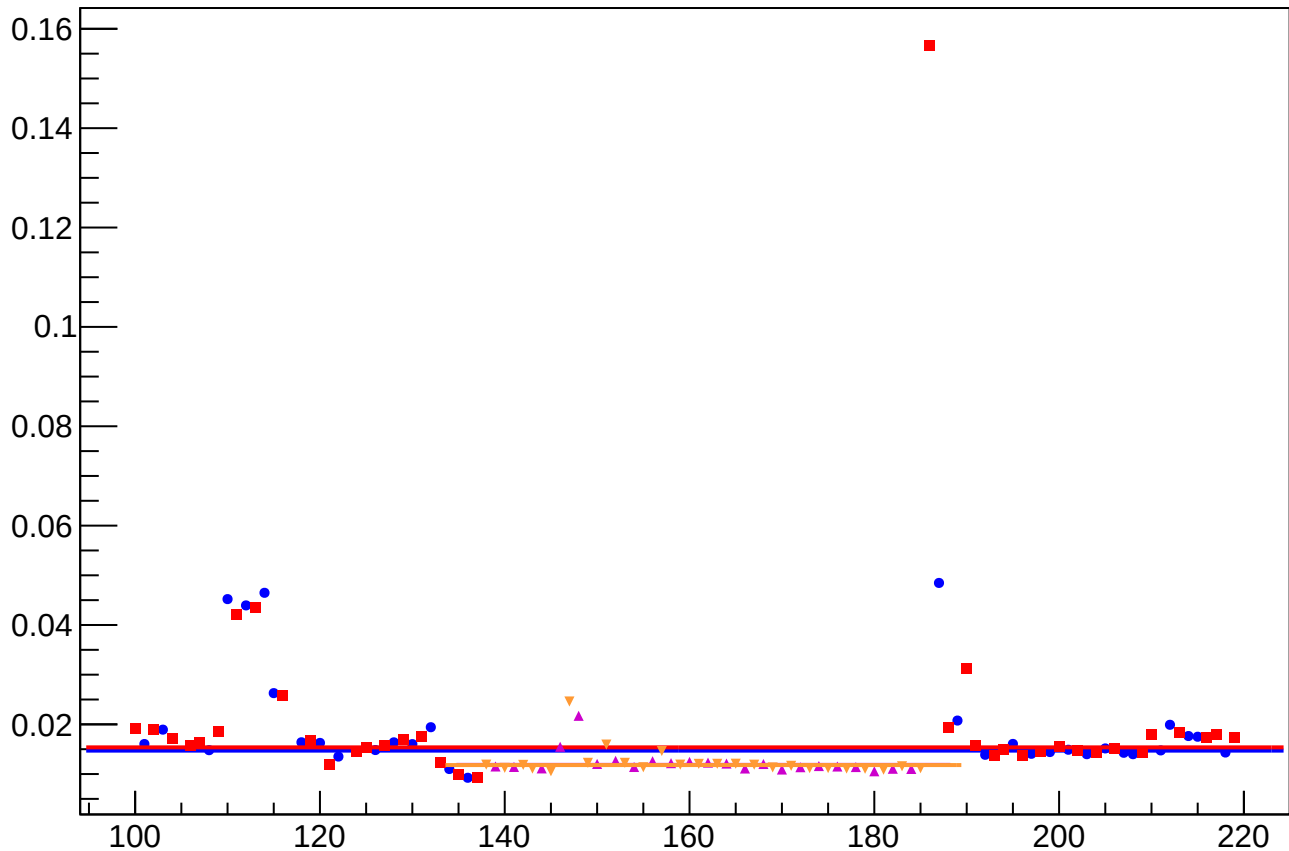
Left In: 0.617 $\pm$ 0.000 χ^2 /NDF: 646297442.3/22

+ sign 0.655 $\pm$ 0.000 χ^2 /NDF: 5191248828.0/56

All: 0.656 $\pm$ 0.000 χ^2 /NDF: 11208340651.0/100

- sign 0.656 $\pm$ 0.000 χ^2 /NDF: 6016943026.7/59

yield_bpm4acY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 2176745.0/31

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:673680.7/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2575789.7/36

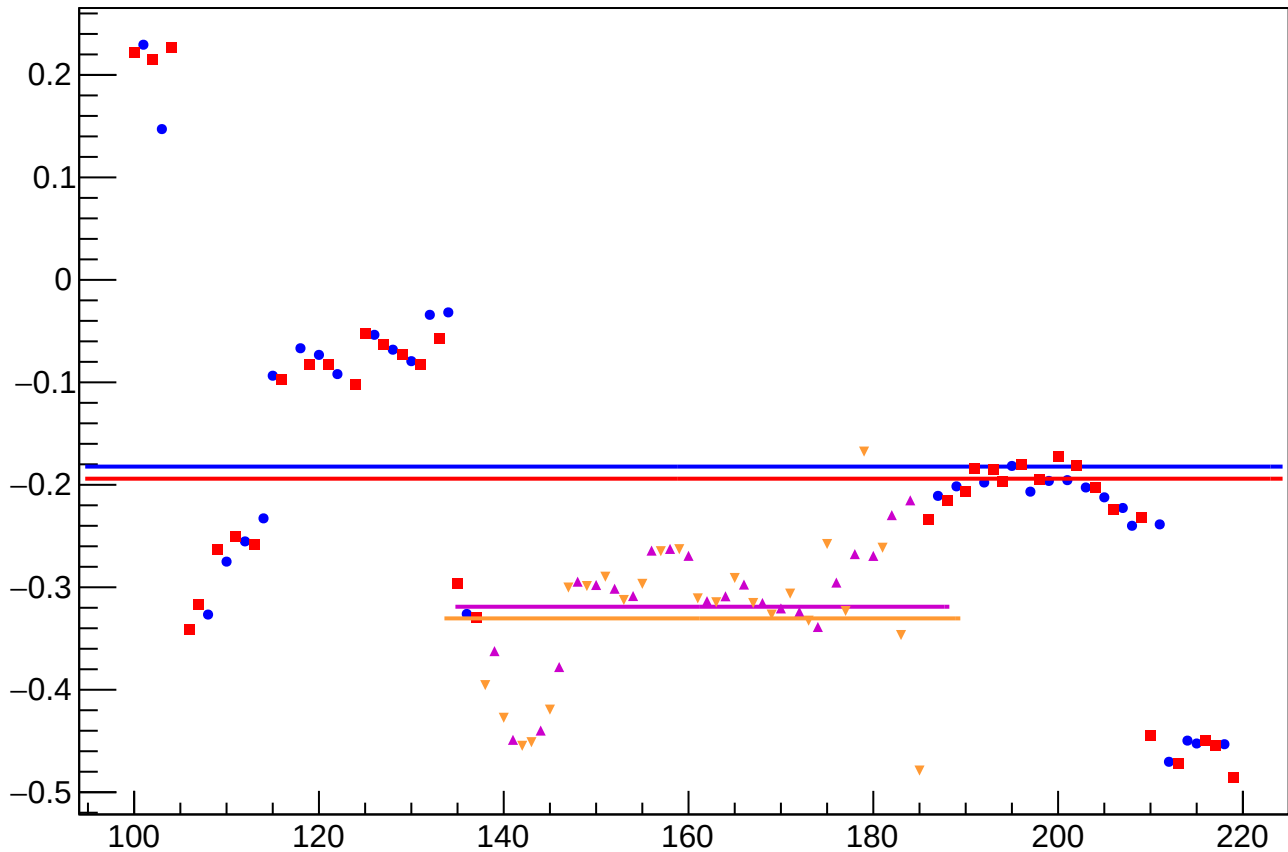
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:508762.0/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3715663.2/56

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 8042191.2/116

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4307144.3/59

yield_bpm4ecX_mean vs Slug



Right In: -0.182 ± 0.000 χ^2/NDF : 389718628.1/31

Left Out: -0.330 ± 0.000 χ^2/NDF : 182729419.2/24

+ sign -0.287 ± 0.000 χ^2/NDF : 866669658.5/56

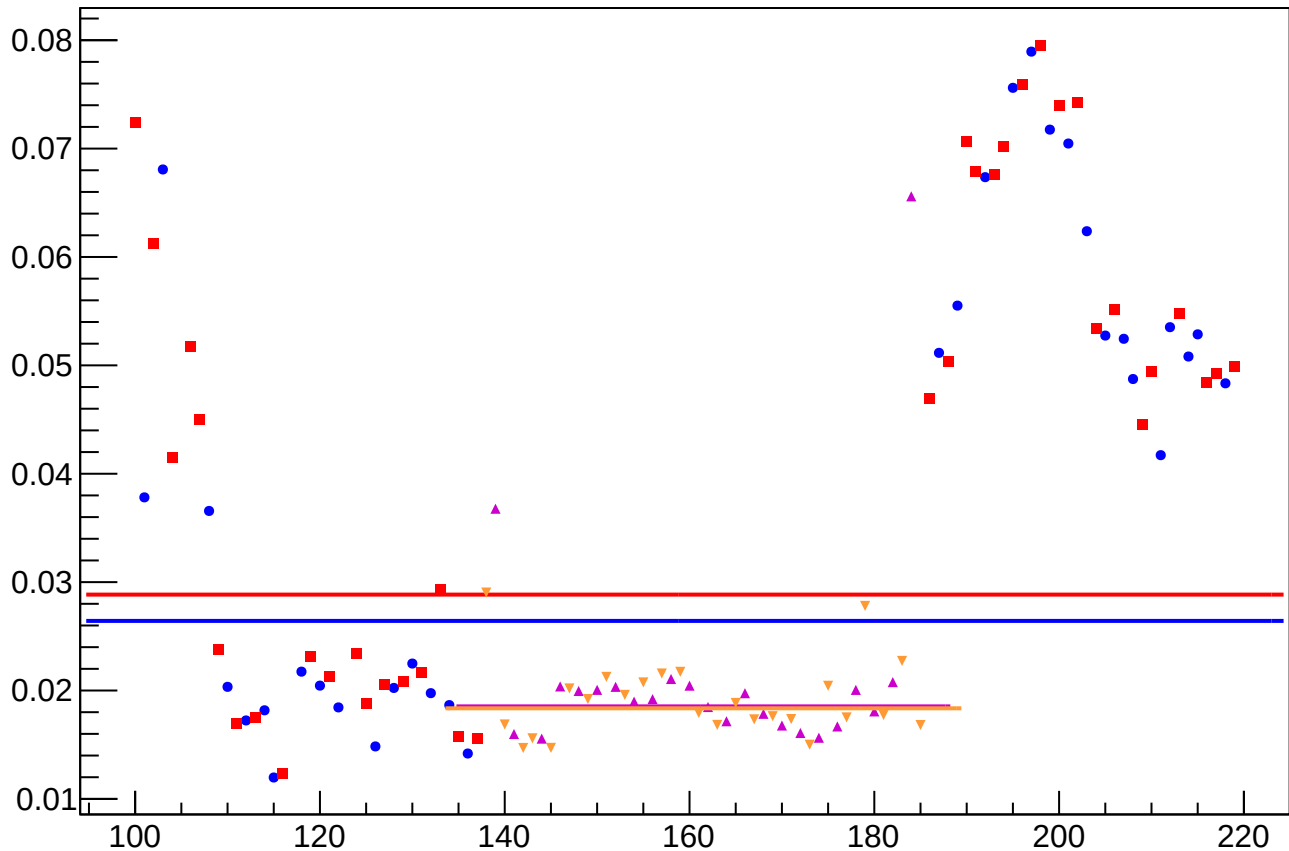
Right Out: -0.194 ± 0.000 χ^2/NDF : 330073201.4/36

All: -0.285 ± 0.000 χ^2/NDF : 1521335581.1/1

- sign -0.282 ± 0.000 χ^2/NDF : 654065001.1/59

Left In: -0.319 ± 0.000 χ^2/NDF : 130589173.8/22

yield_bpm4ecX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 10505119.5/31

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 737503.8/24

Right Out: 0.029 $\pm$ 0.000 χ^2 /NDF: 10541708.7/36

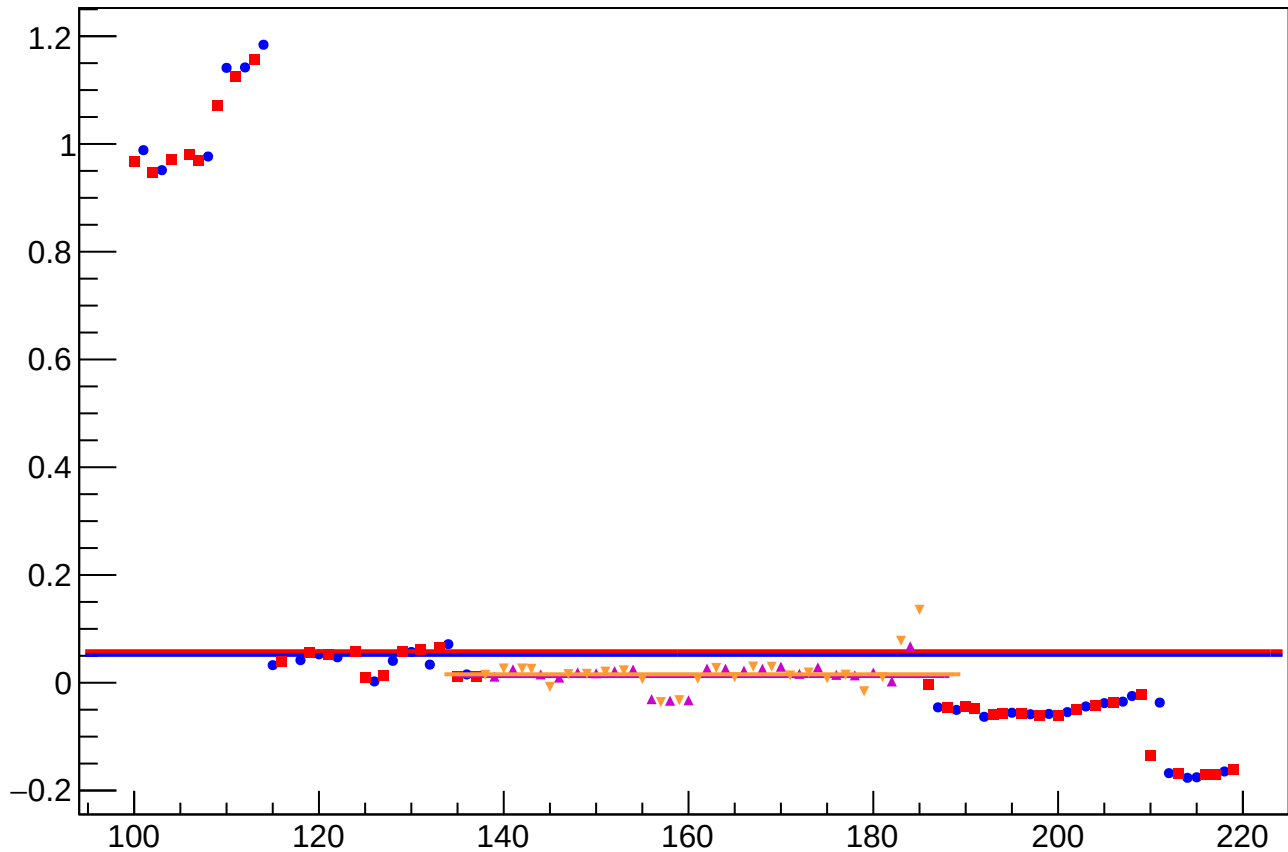
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 933807.9/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 12986052.8/56

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 27138442.8/116

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 14110168.3/59

yield_bpm4ecY_mean vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 9208373974.7/31

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF:104485335.8/24

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 9999885410.4/36

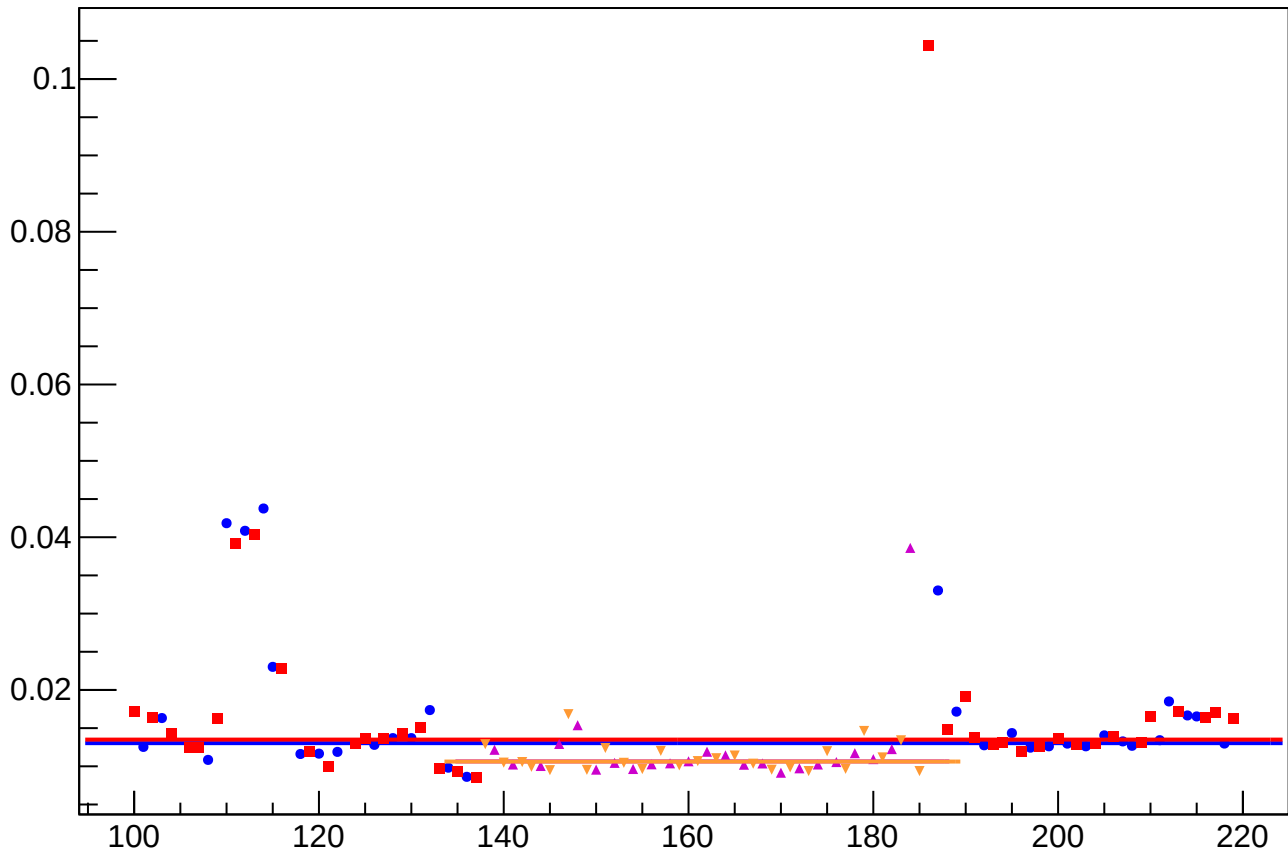
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:58674739.1/22

+ sign 0.030 $\pm$ 0.000 χ^2 /NDF: 9395579538.1/56

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 19585040980.5/1

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 10189280284.5/59

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 2090820.6/31

Left Out: 0.011+/-0.000 χ^2/NDF : 622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 2473058.8/36

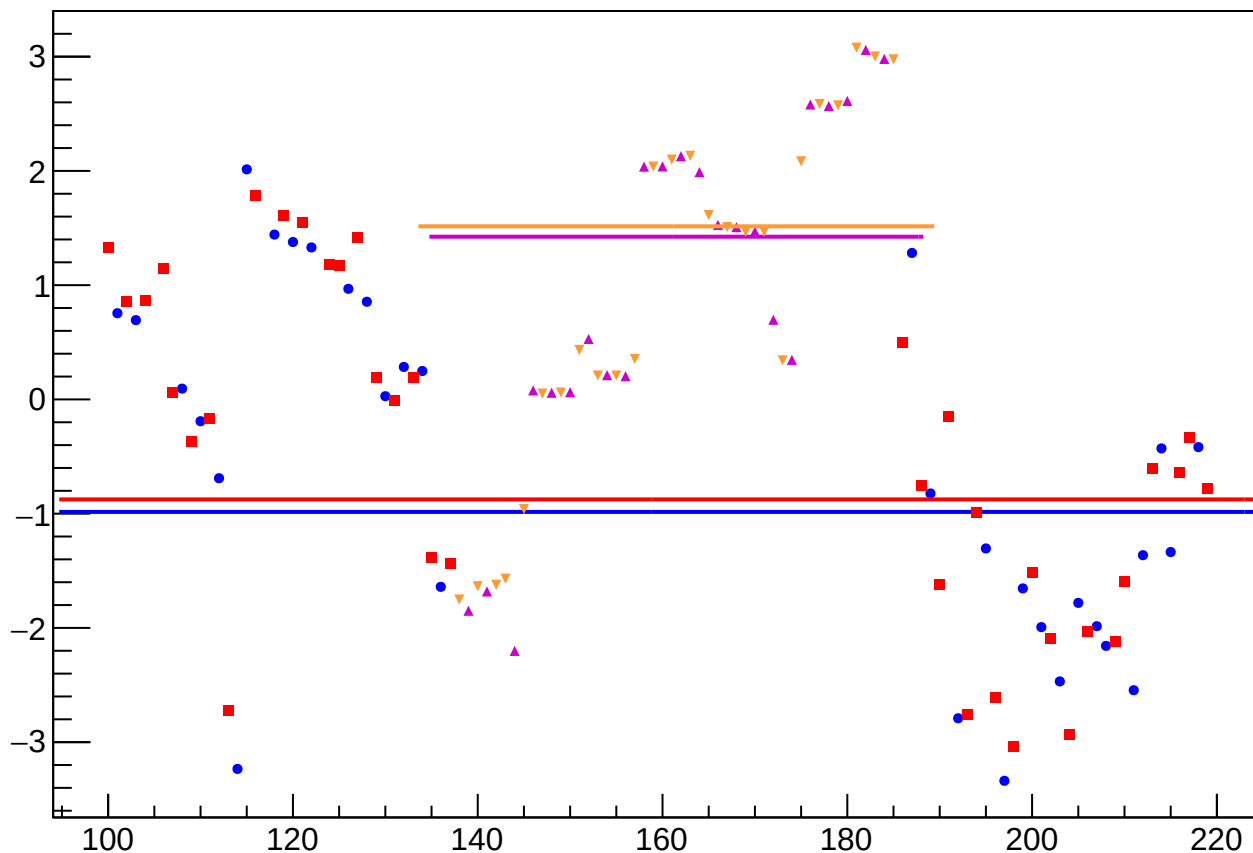
Left In: 0.011+/-0.000 χ^2/NDF : 571950.9/22

+ sign 0.012+/-0.000 χ^2/NDF : 3450728.5/56

All: 0.012+/-0.000 χ^2/NDF : 7515840.0/116

- sign 0.012+/-0.000 χ^2/NDF : 4051862.9/59

yield_bpm1X_mean vs Slug



Right In: -0.985 ± 0.000 χ^2/NDF : 9810269792.2/31

Left Out: 1.515 ± 0.000 χ^2/NDF : 67789388512.2/24

Right Out: -0.875 ± 0.000 χ^2/NDF : 9783284955.3/36

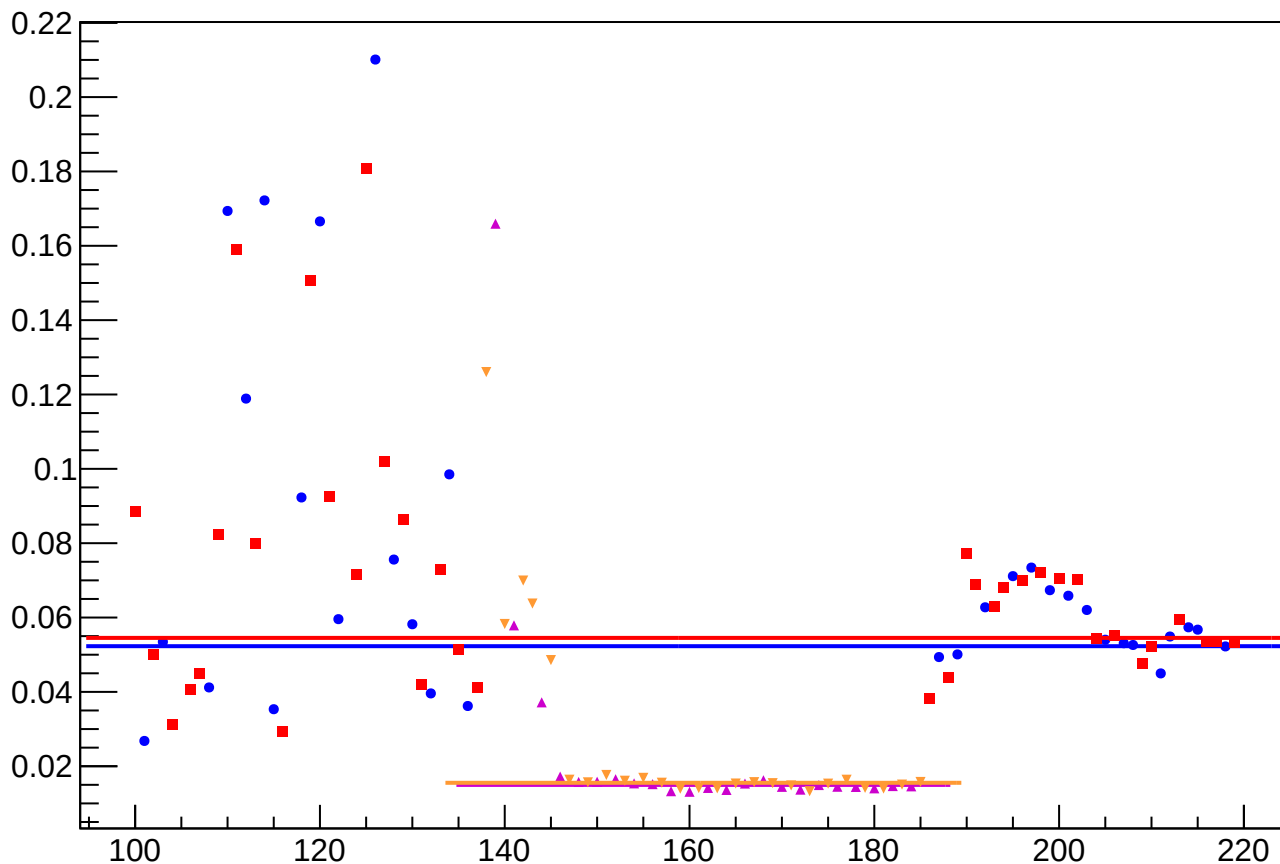
Left In: 1.424 ± 0.000 χ^2/NDF : 68046262594.0/22

+ sign 1.299 ± 0.000 χ^2/NDF : 110270804868.7/56

All: 1.263 ± 0.000 χ^2/NDF : 216364354106.3

- sign 1.227 ± 0.000 χ^2/NDF : 105918742260.0/59

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3622280.1/31

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF:2984313.0/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 3198296.6/36

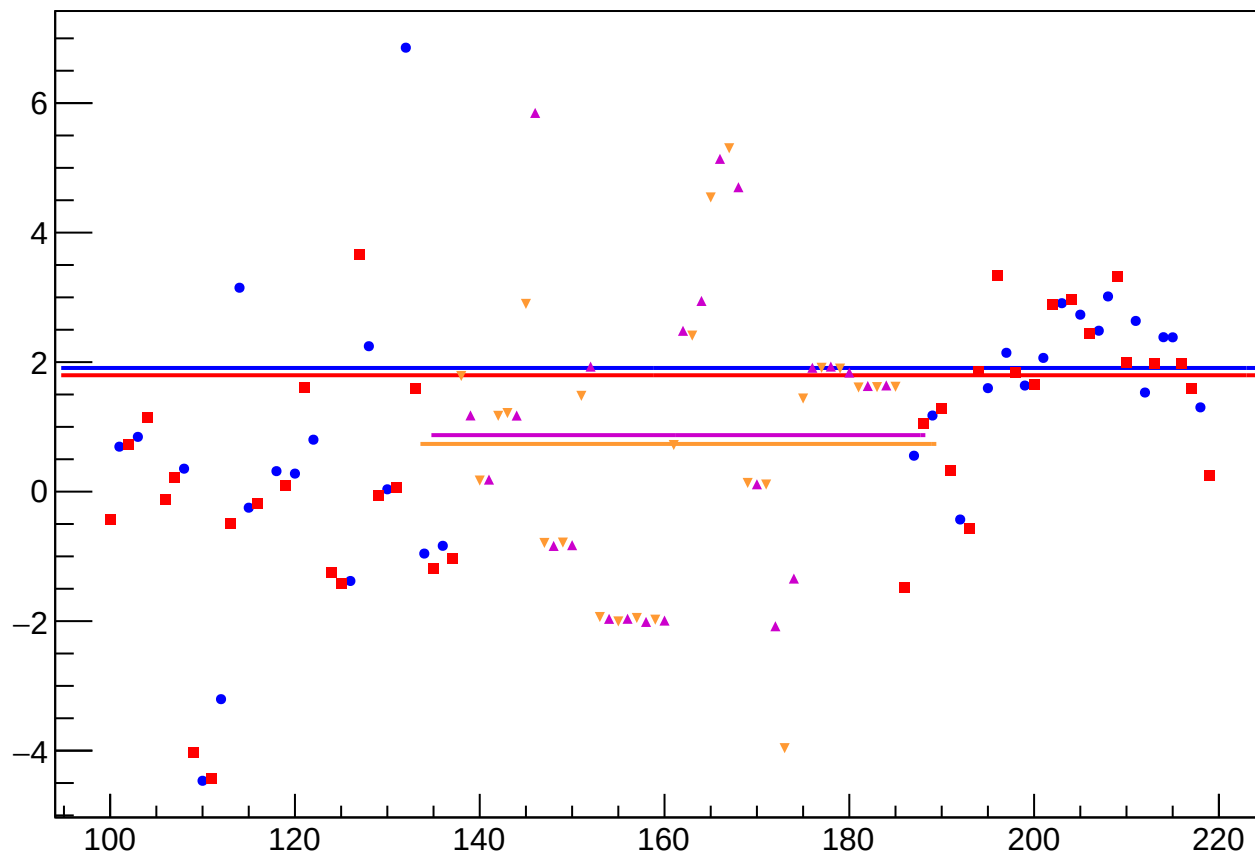
Left In: 0.015 $\pm$ 0.000 χ^2 /NDF:2182916.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 20728184.8/56

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 42741736.8/116

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 22005044.4/59

yield_bpm1Y_mean vs Slug



Right In: 1.910 $\pm$ 0.000 χ^2 /NDF: 42510993987.0/31

Left Out: 0.737 $\pm$ 0.000 χ^2 /NDF: 535962480112.3/24

Right Out: 1.797 $\pm$ 0.000 χ^2 /NDF: 50583778500.3/36

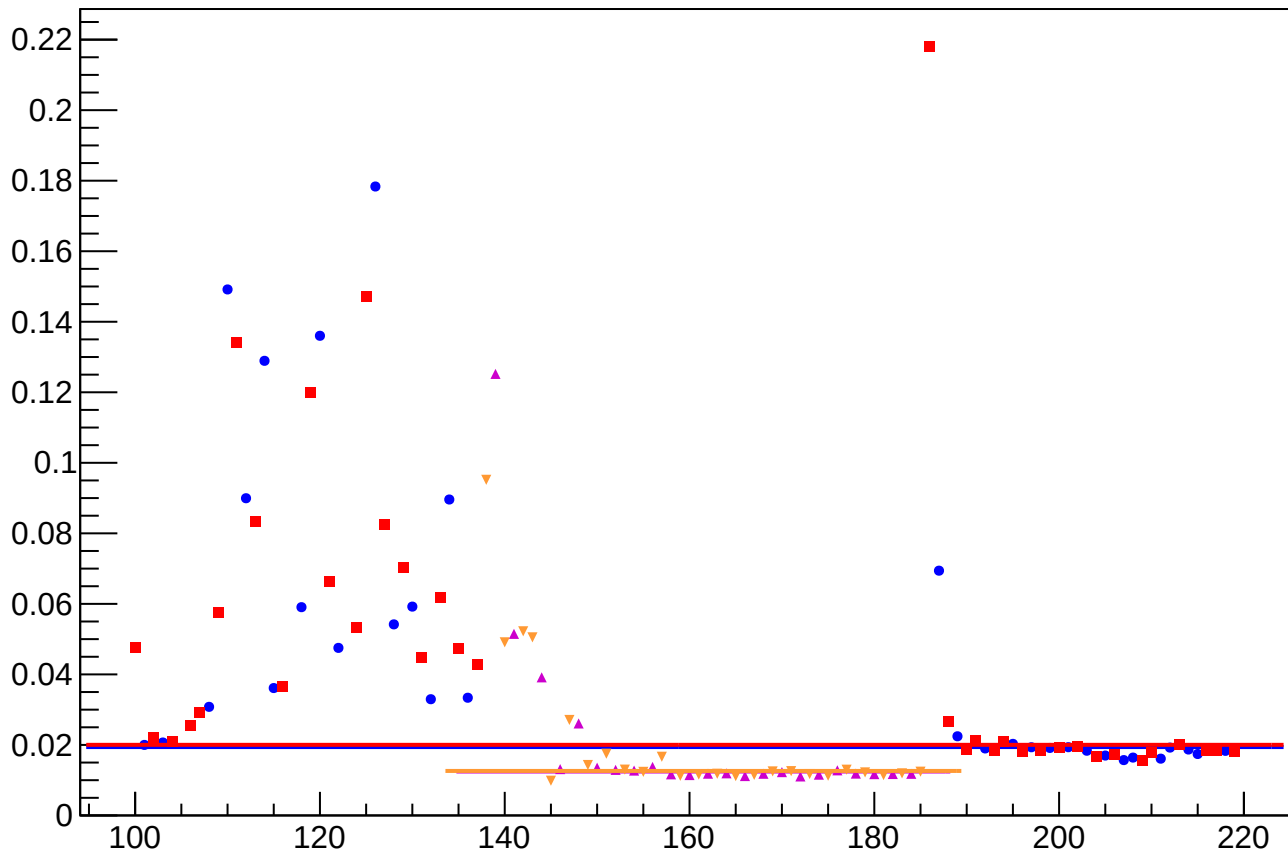
Left In: 0.872 $\pm$ 0.000 χ^2 /NDF: 620161319368.2/22

+ sign 1.061 $\pm$ 0.000 χ^2 /NDF: 616222179423.5/56

All: 1.095 $\pm$ 0.000 χ^2 /NDF: 1310909784848.

- sign 1.130 $\pm$ 0.000 χ^2 /NDF: 694357122421.8/59

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 4506794.5/31

Left Out: 0.013+/-0.000 χ^2/NDF : 3191407.4/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5573107.1/36

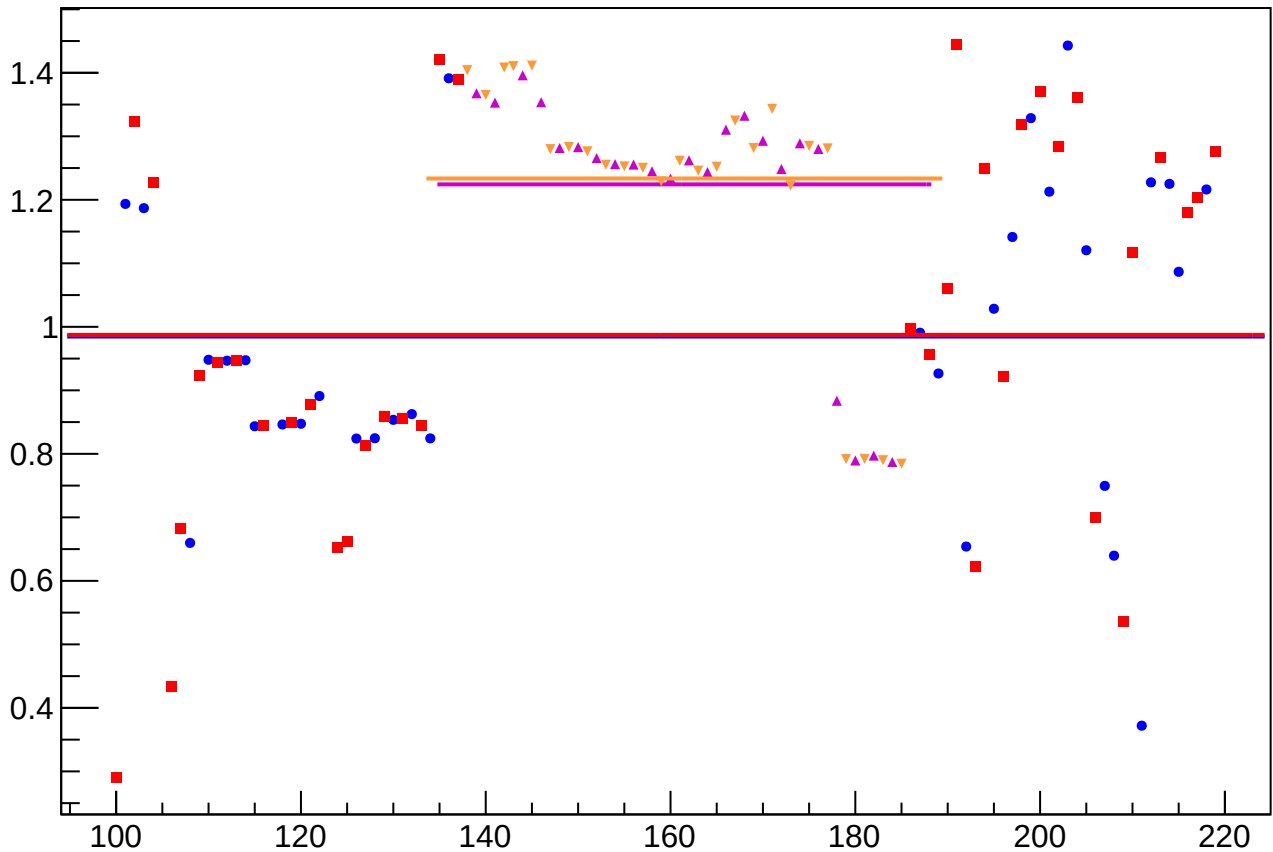
Left In: 0.012+/-0.000 χ^2/NDF : 2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF : 10214559.2/56

All: 0.015+/-0.000 χ^2/NDF : 21708797.8/116

- sign 0.015+/-0.000 χ^2/NDF : 11493533.4/59

yield_bpm11X_mean vs Slug



Right In: 0.985 $\pm$ 0.000 χ^2 /NDF: 2351107392.3/31

Left Out: 1.234 $\pm$ 0.000 χ^2 /NDF:3043934887.1/24

Right Out: 0.987 $\pm$ 0.000 χ^2 /NDF: 2701874246.4/36

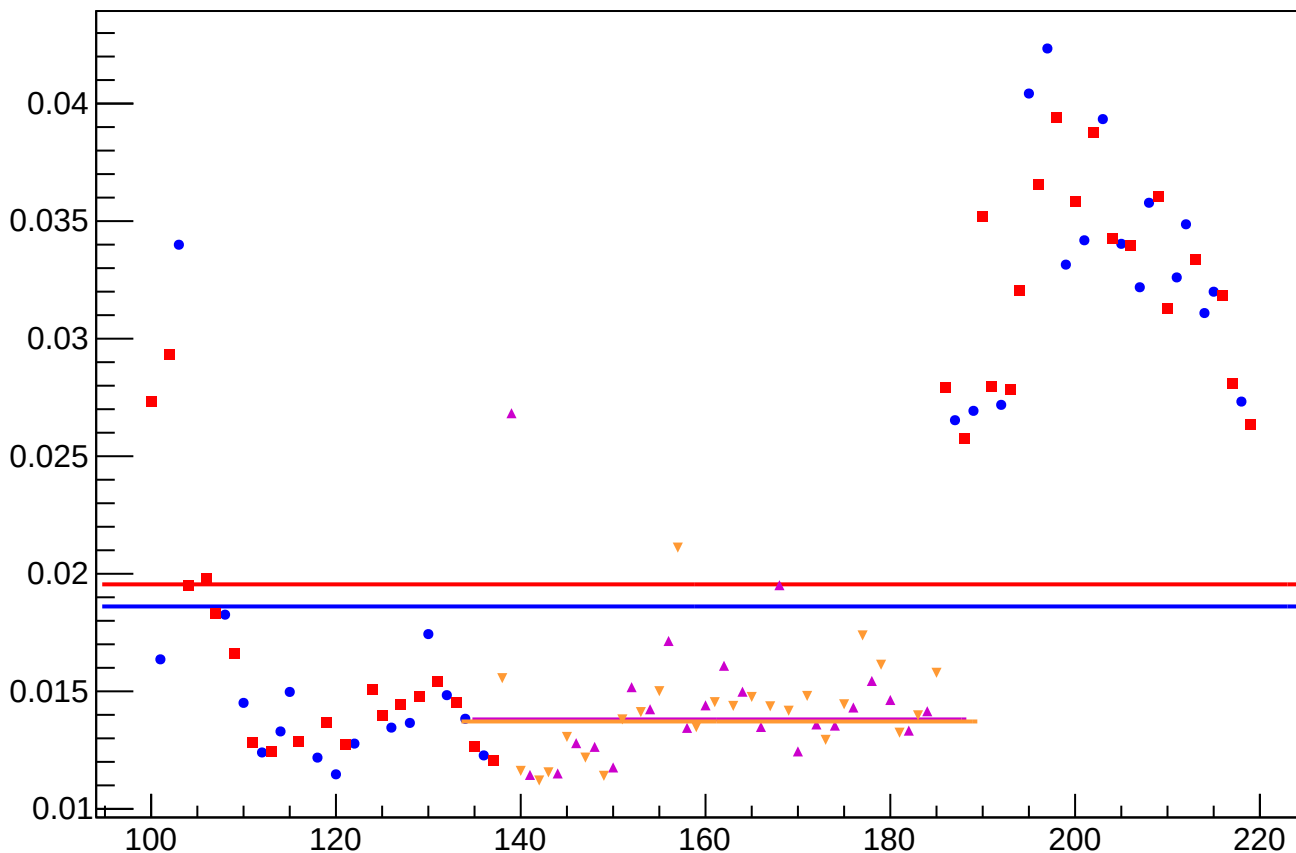
Left In: 1.224 $\pm$ 0.000 χ^2 /NDF:2653773297.1/22

+ sign 1.152 $\pm$ 0.000 χ^2 /NDF: 7214097232.4/56

All: 1.148 $\pm$ 0.000 χ^2 /NDF: 14195111490.5/1

- sign 1.144 $\pm$ 0.000 χ^2 /NDF: 6976457244.9/59

yield_bpm11X_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2/NDF : 6682613.4/31

Left Out: 0.014 $\pm$ 0.000 χ^2/NDF : 550789.3/24

Right Out: 0.020 $\pm$ 0.000 χ^2/NDF : 6214082.7/36

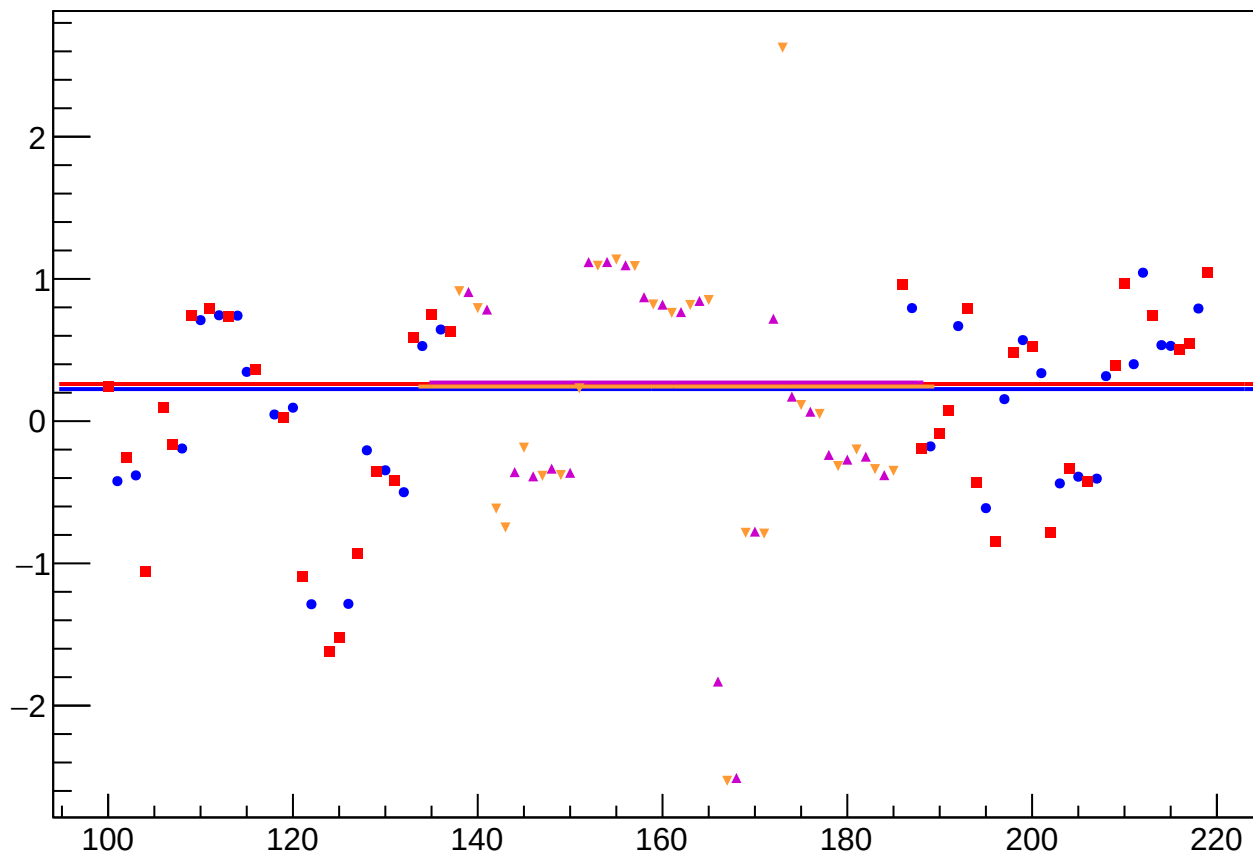
Left In: 0.014 $\pm$ 0.000 χ^2/NDF : 870104.2/22

+ sign 0.015 $\pm$ 0.000 χ^2/NDF : 8640292.8/56

All: 0.016 $\pm$ 0.000 χ^2/NDF : 17652729.5/116

- sign 0.016 $\pm$ 0.000 χ^2/NDF : 8987543.3/59

yield_bpm11Y_mean vs Slug



Right In: 0.225+/-0.000 χ^2/NDF : 38577038706.8/31

Left Out: 0.243+/-0.000 χ^2/NDF : 105591710525.9/24

Right Out: 0.261+/-0.000 χ^2/NDF : 57294639326.5/36

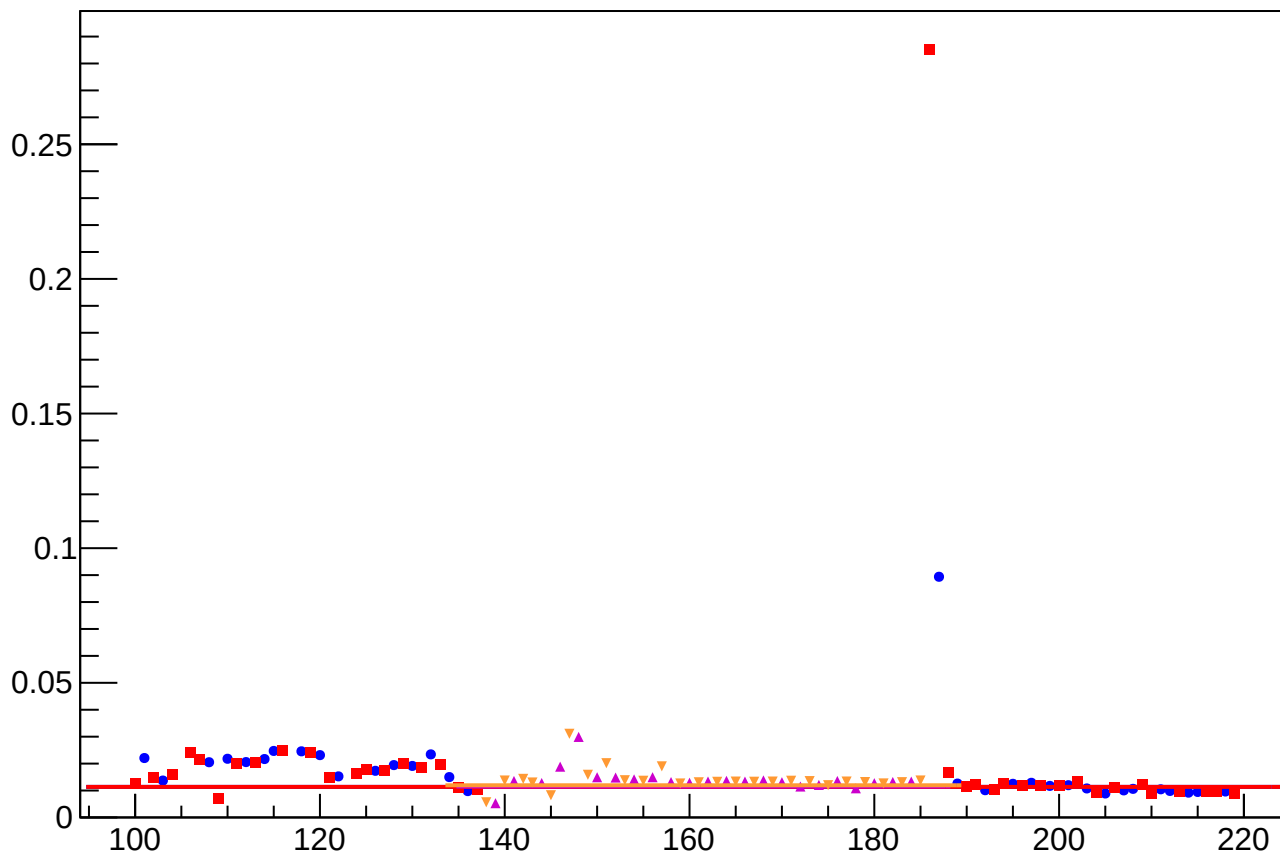
Left In: 0.271+/-0.000 χ^2/NDF : 90500933388.6/22

+ sign 0.234+/-0.000 χ^2/NDF : 144188262837.2/56

All: 0.250+/-0.000 χ^2/NDF : 292118299436.3

- sign 0.266+/-0.000 χ^2/NDF : 147802278124.8/59

yield_bpm11Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2898518.6/31

Left Out: 0.012+/-0.000 χ^2/NDF : 3266034.8/24

Right Out: 0.011+/-0.000 χ^2/NDF : 3507458.9/36

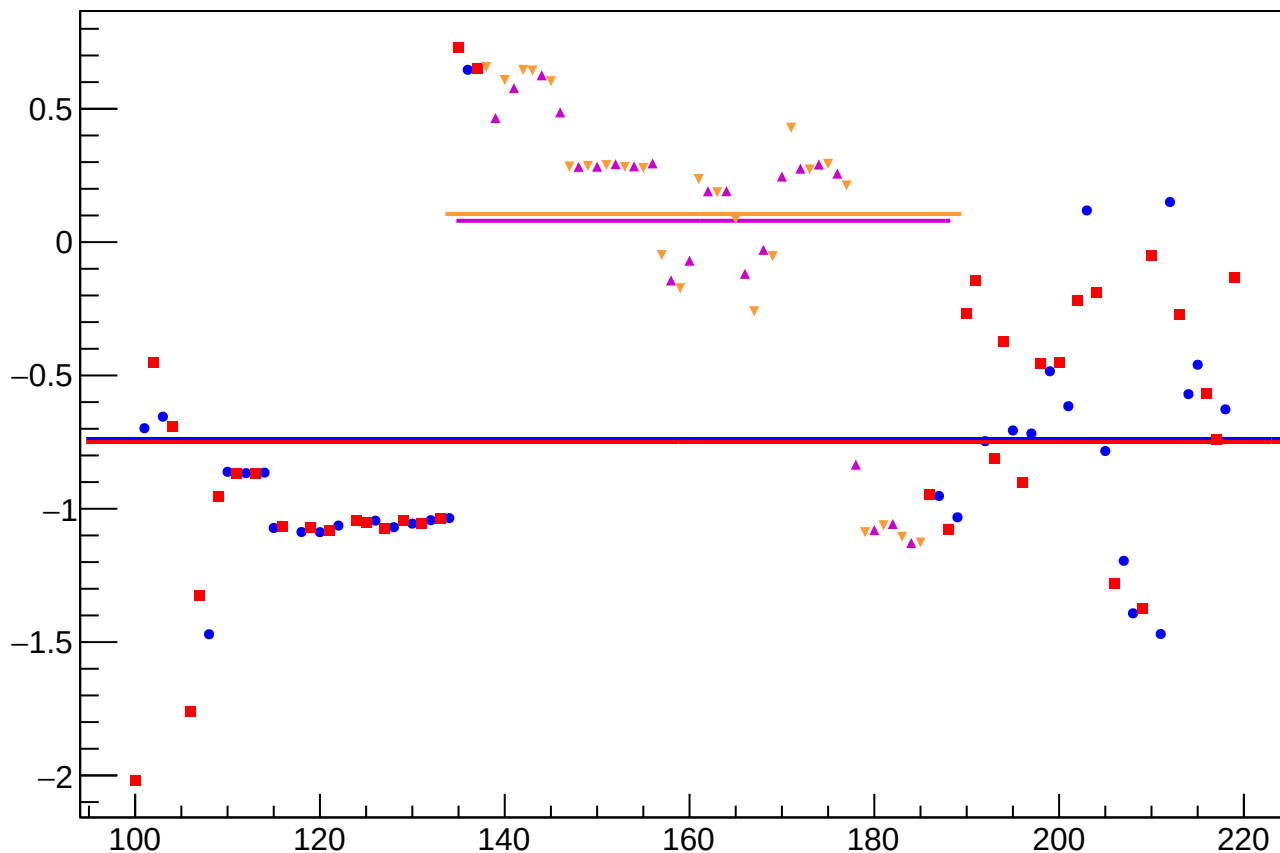
Left In: 0.011+/-0.000 χ^2/NDF : 3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF : 6209542.7/56

All: 0.012+/-0.000 χ^2/NDF : 13402604.6/116

- sign 0.011+/-0.000 χ^2/NDF : 7181006.9/59

yield_bpm12X_mean vs Slug



Right In: -0.738 ± 0.000 $\chi^2/\text{NDF}: 2408855210.1/31$

Left Out: 0.105 ± 0.000 $\chi^2/\text{NDF}: 3787188881.7/24$

Right Out: -0.750 ± 0.000 $\chi^2/\text{NDF}: 2311037624.5/36$

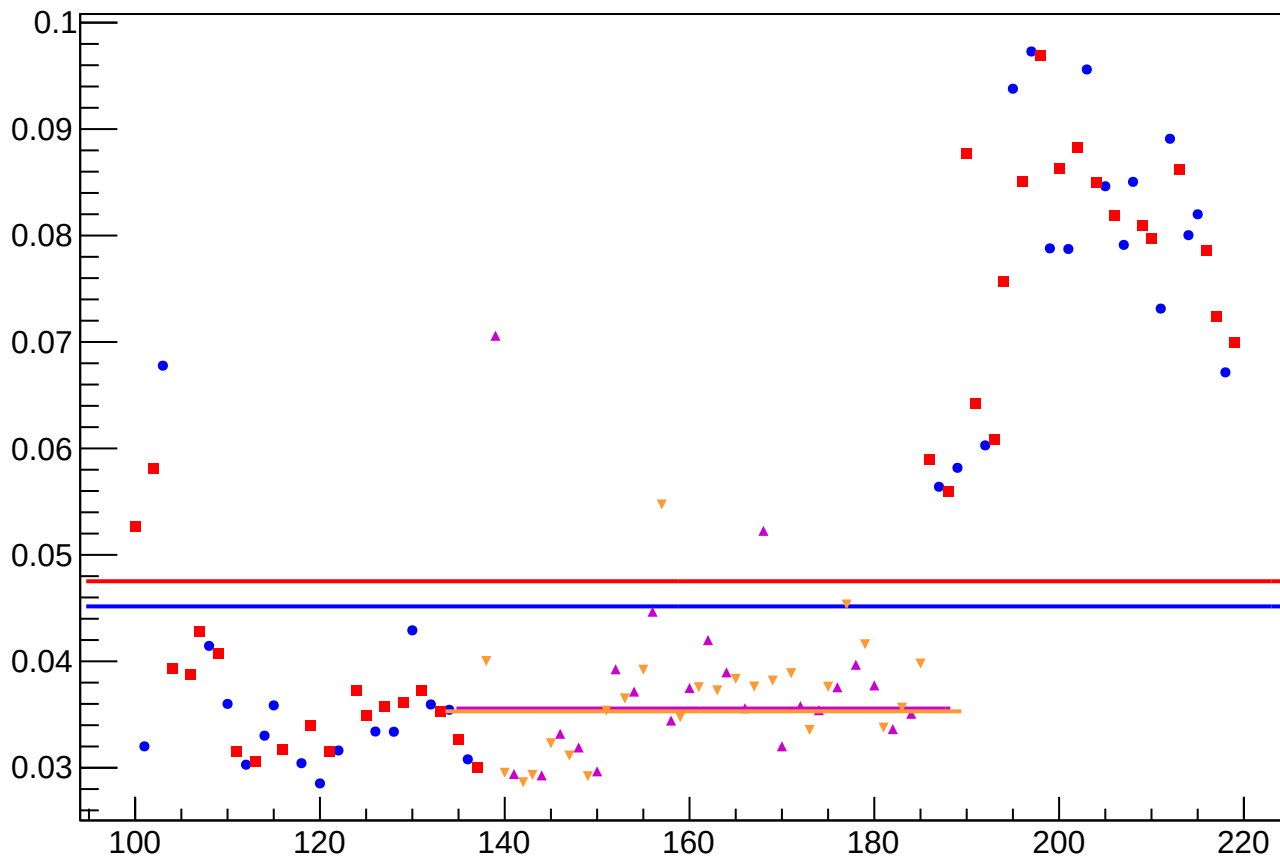
Left In: 0.080 ± 0.000 $\chi^2/\text{NDF}: 3269598614.0/22$

+ sign -0.198 ± 0.000 $\chi^2/\text{NDF}: 9653302282.7/56$

All: -0.213 ± 0.000 $\chi^2/\text{NDF}: 18489050297.2/100$

- sign -0.228 ± 0.000 $\chi^2/\text{NDF}: 8826953048.9/59$

yield_bpm12X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 6457622.7/31

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:612627.1/24

Right Out: 0.048 $\pm$ 0.000 χ^2 /NDF: 5872152.5/36

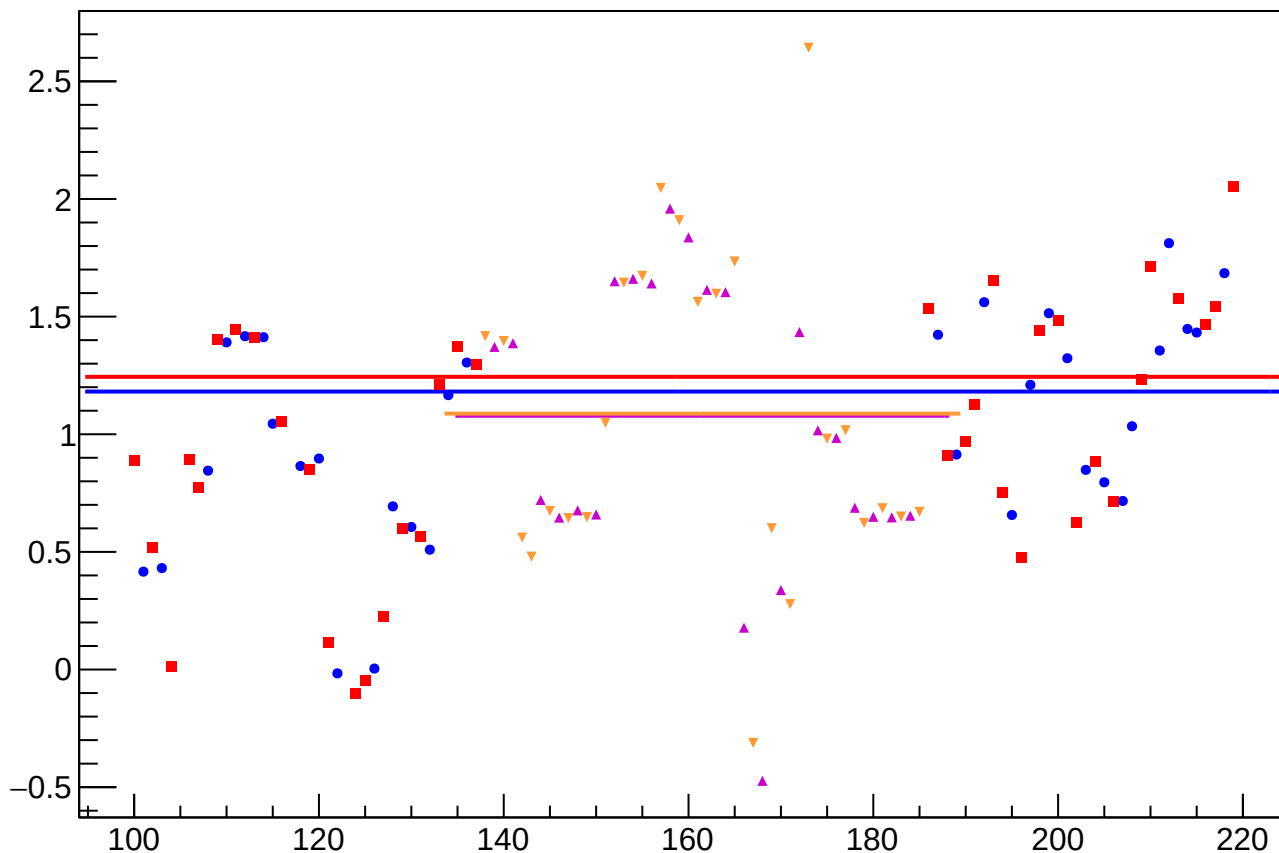
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:960383.5/22

+ sign 0.039 $\pm$ 0.000 χ^2 /NDF: 8014070.9/56

All: 0.039 $\pm$ 0.000 χ^2 /NDF: 16222670.2/116

- sign 0.040 $\pm$ 0.000 χ^2 /NDF: 8181577.3/59

yield_bpm12Y_mean vs Slug



Right In: 1.181+/-0.000 χ^2/NDF : 58769336942.3/31

Left Out: 1.088+/-0.000 χ^2/NDF : 93851056436.3/24

Right Out: 1.244+/-0.000 χ^2/NDF : 85412976114.7/36

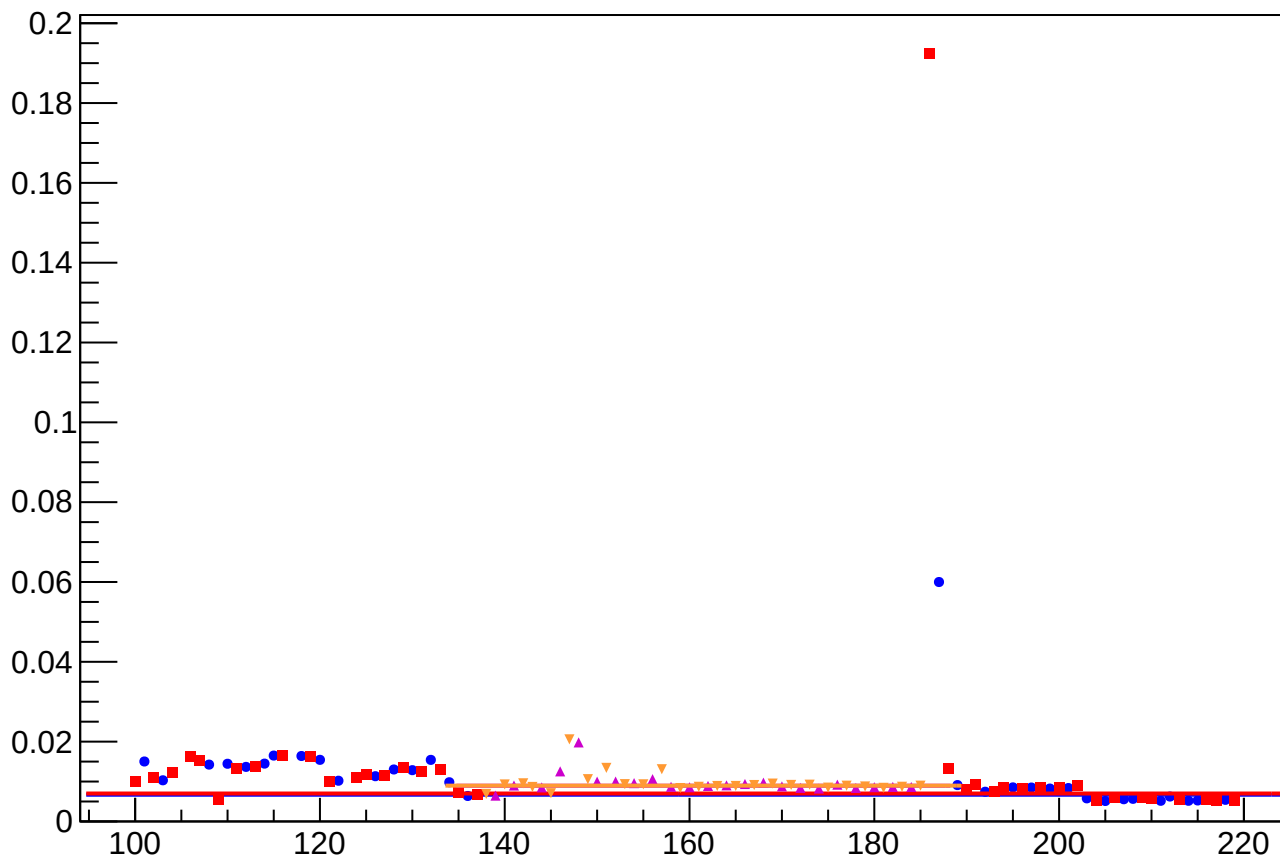
Left In: 1.079+/-0.000 χ^2/NDF : 74081002727.0/22

+ sign 1.146+/-0.000 χ^2/NDF : 153849771693.0/56

All: 1.164+/-0.000 χ^2/NDF : 317363812411.6

- sign 1.182+/-0.000 χ^2/NDF : 163130553593.9/59

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 4278576.6/31

Left Out: 0.009+/-0.000 χ^2/NDF :1146497.6/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4758909.9/36

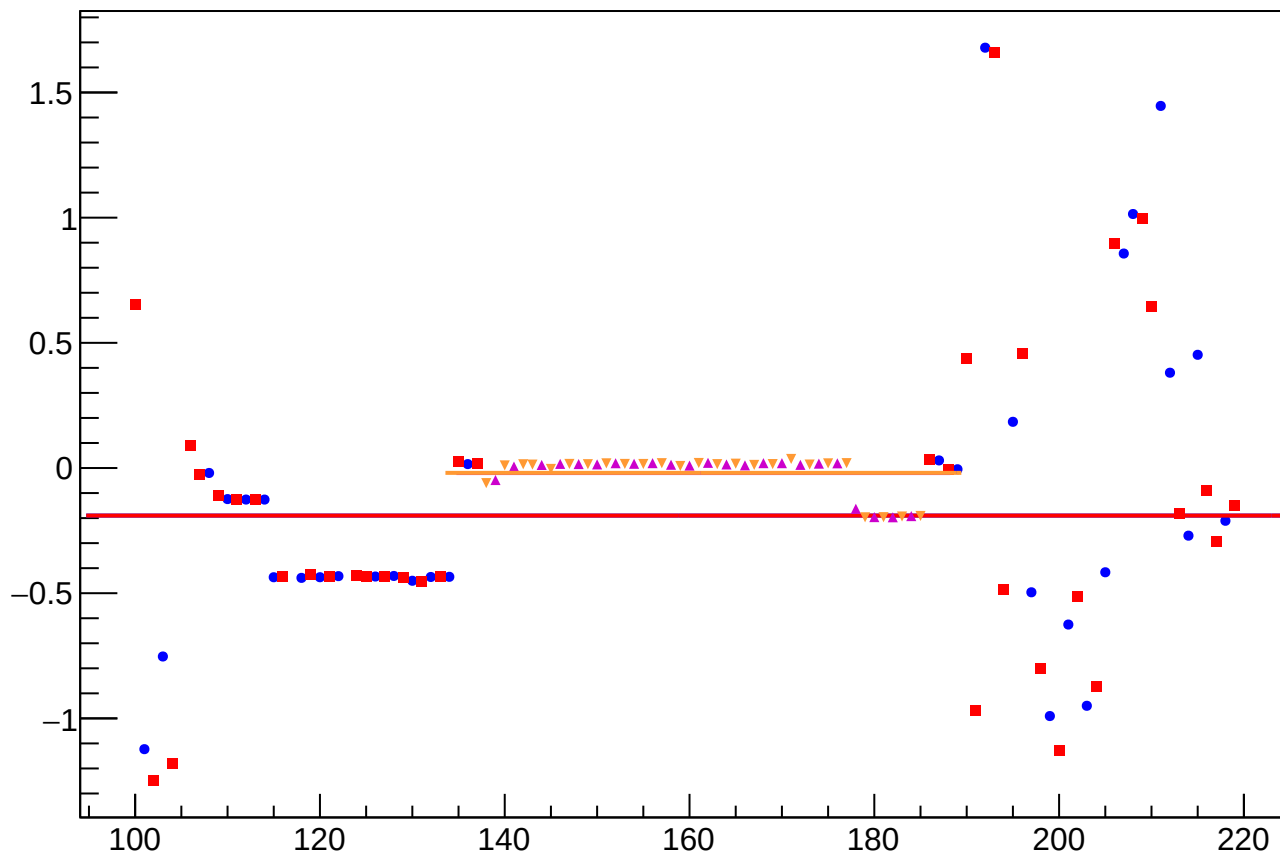
Left In: 0.009+/-0.000 χ^2/NDF :966765.2/22

+ sign 0.008+/-0.000 χ^2/NDF : 6876739.3/56

All: 0.008+/-0.000 χ^2/NDF : 13626639.3/116

- sign 0.008+/-0.000 χ^2/NDF : 6732339.9/59

yield_bpm16X_mean vs Slug



Right In: -0.190+/-0.000 χ^2/NDF : 6213860859.7/31

Left Out: -0.019+/-0.000 χ^2/NDF : 1058597672.8/24

Right Out: -0.190+/-0.000 χ^2/NDF : 4555627292.3/36

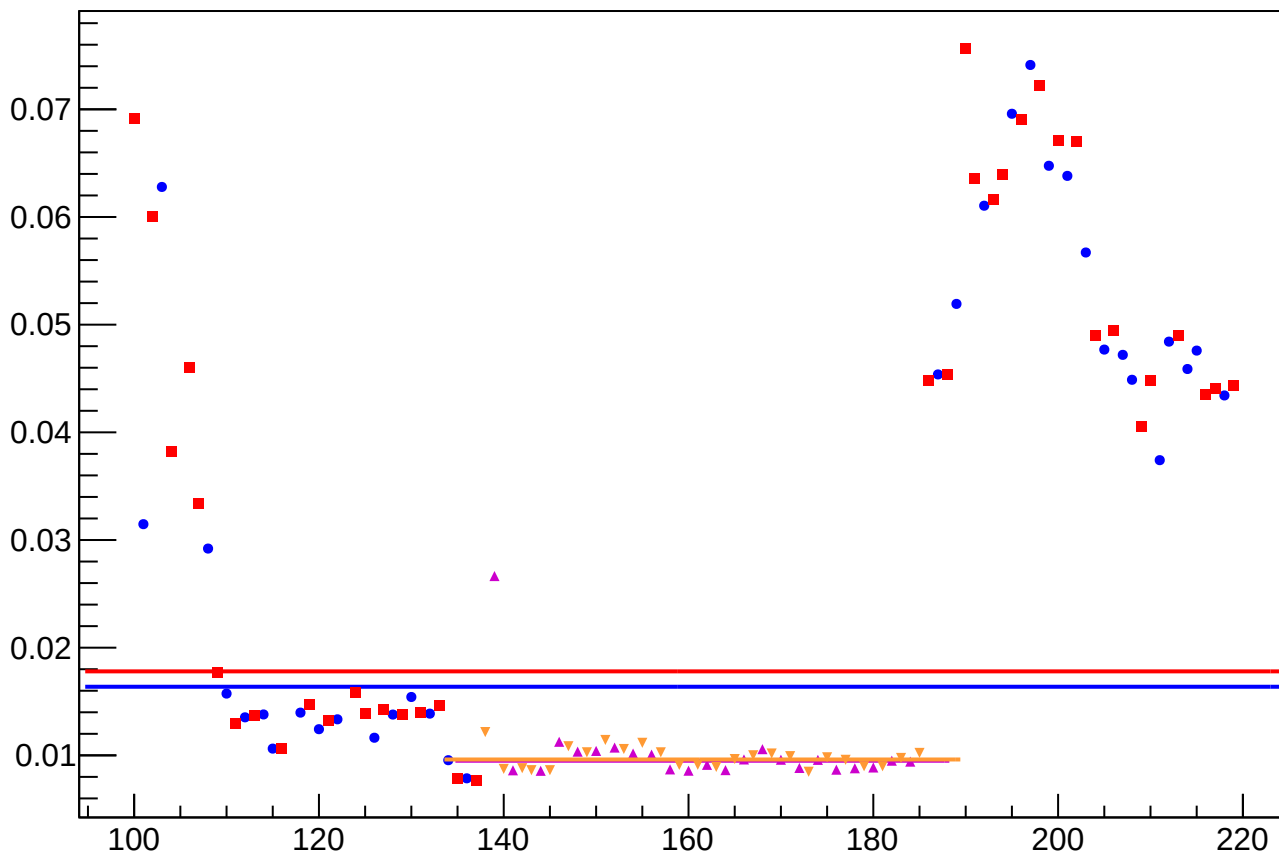
Left In: -0.020+/-0.000 χ^2/NDF : 984483299.5/22

+ sign -0.051+/-0.000 χ^2/NDF : 8227880732.2/56

All: -0.051+/-0.000 χ^2/NDF : 14641031731.5/100

- sign -0.051+/-0.000 χ^2/NDF : 6413135770.7/59

yield_bpm16X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 15042300.5/31

Left Out: 0.010+/-0.000 χ^2/NDF : 271912.7/24

Right Out: 0.018+/-0.000 χ^2/NDF : 15790259.3/36

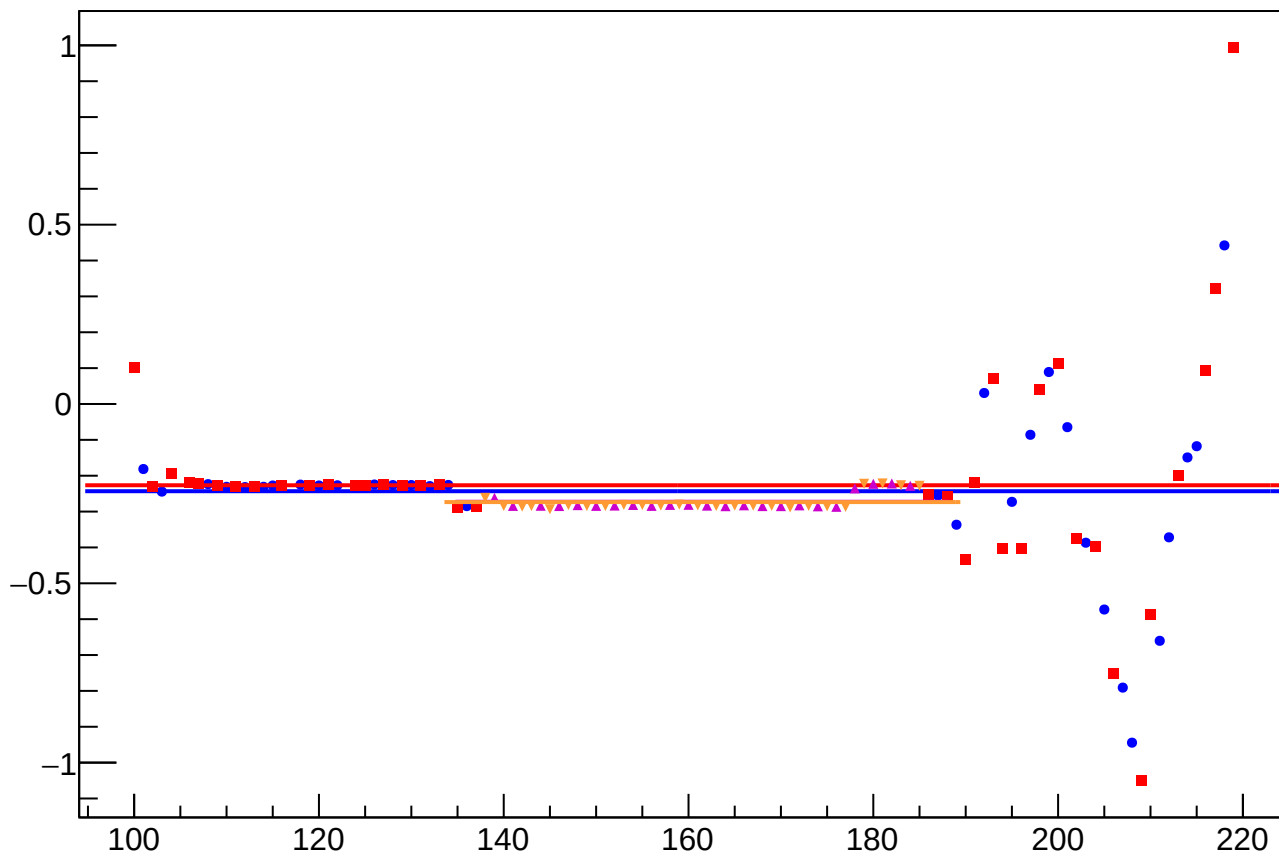
Left In: 0.009+/-0.000 χ^2/NDF : 900469.0/22

+ sign 0.011+/-0.000 χ^2/NDF : 18312320.9/56

All: 0.011+/-0.000 χ^2/NDF : 39175264.9/116

- sign 0.011+/-0.000 χ^2/NDF : 20859966.2/59

yield_bpm16Y_mean vs Slug



Right In: -0.243 ± 0.000 χ^2/NDF : 37504787651.9/31

Left Out: -0.274 ± 0.000 χ^2/NDF : 395563277.1/24

Right Out: -0.227 ± 0.000 χ^2/NDF : 54052880309.0/36

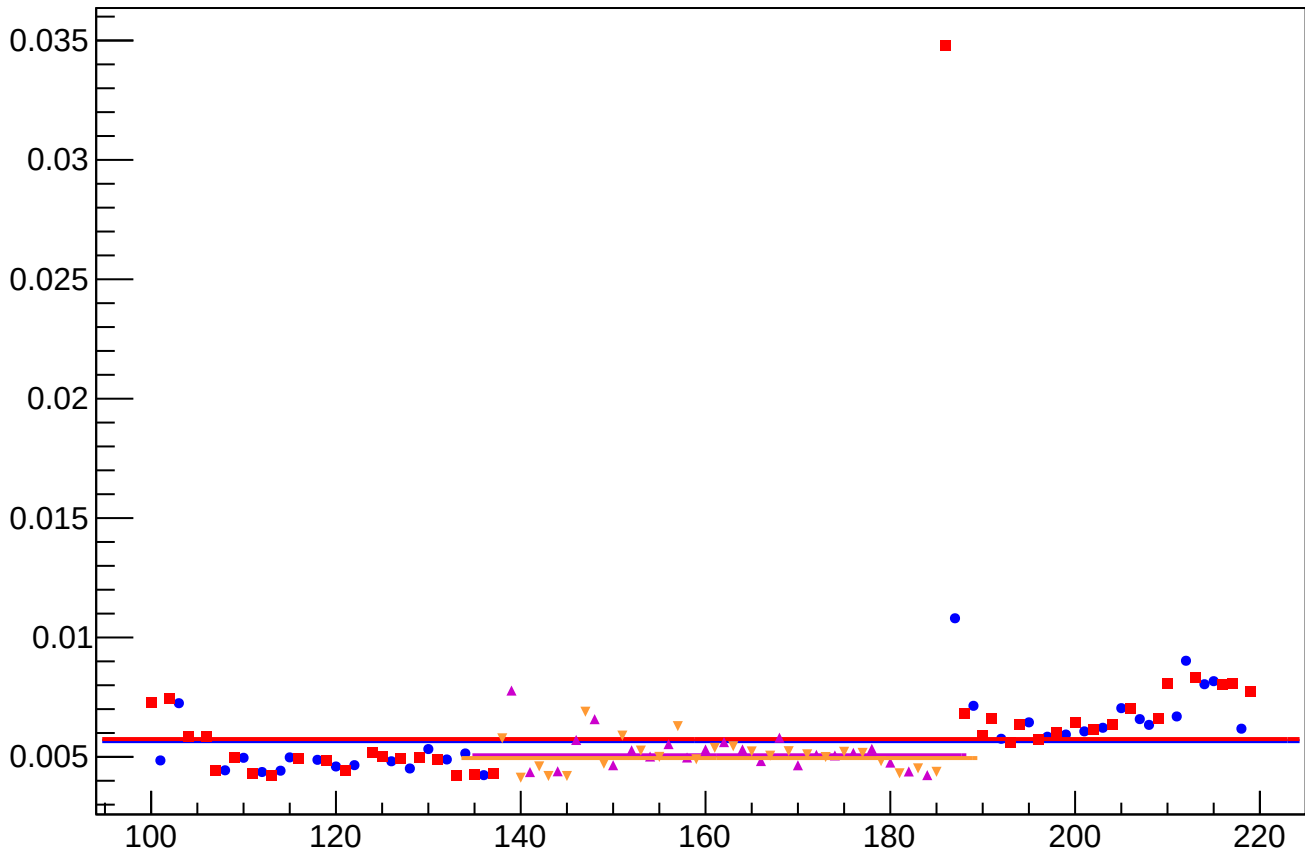
Left In: -0.273 ± 0.000 χ^2/NDF : 335149425.2/22

+ sign -0.260 ± 0.000 χ^2/NDF : 38193463579.5/56

All: -0.256 ± 0.000 χ^2/NDF : 93291420429.9

- sign -0.251 ± 0.000 χ^2/NDF : 55044635053.3/59

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1518625.4/31

Left Out: 0.005+/-0.000 χ^2/NDF : 528766.8/24

Right Out: 0.006+/-0.000 χ^2/NDF : 2211718.9/36

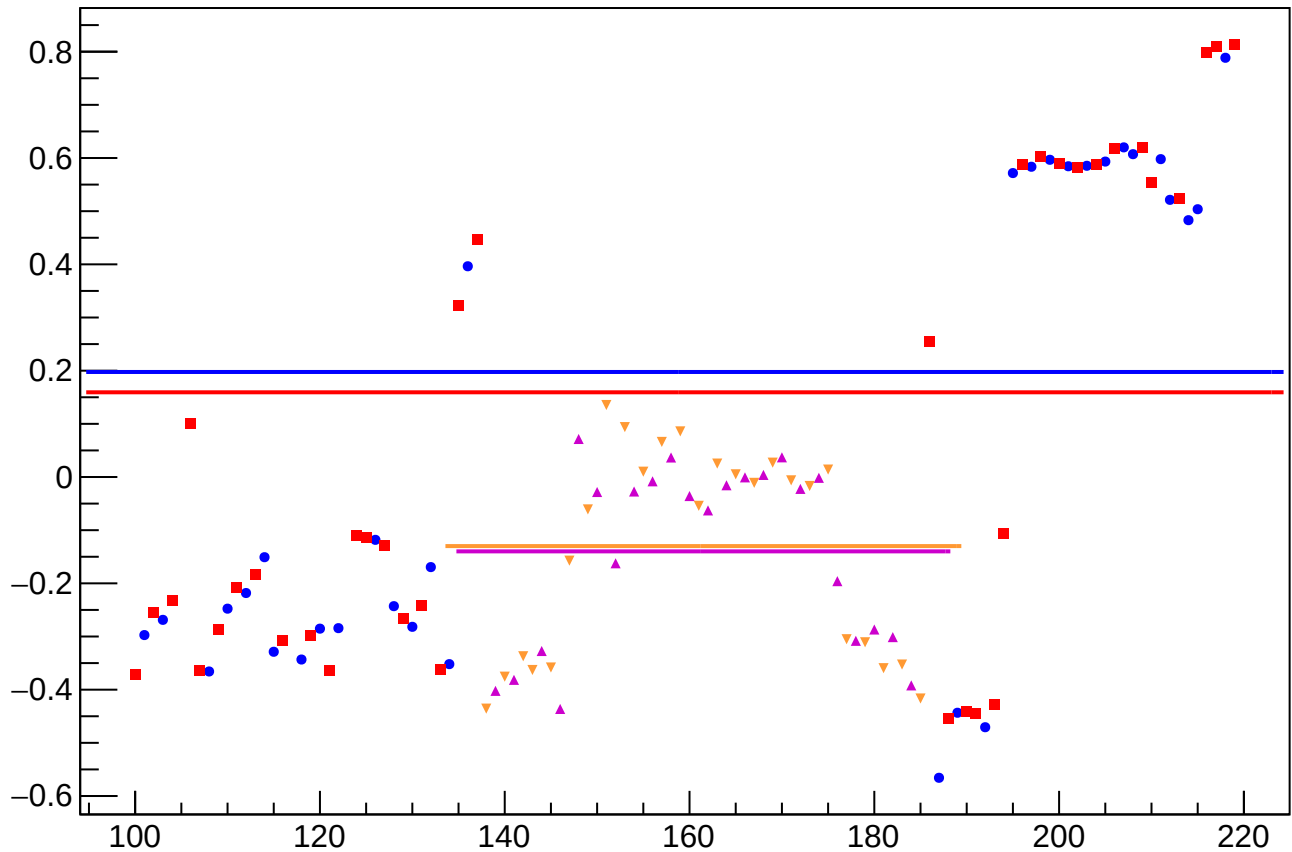
Left In: 0.005+/-0.000 χ^2/NDF : 539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2368137.4/56

All: 0.005+/-0.000 χ^2/NDF : 5426192.9/116

- sign 0.005+/-0.000 χ^2/NDF : 3037974.5/59

yield_bpm0i02X_mean vs Slug



Right In: 0.198 $\pm$ 0.000 χ^2 /NDF: 79611963206.7/31

Left Out: -0.130 $\pm$ 0.000 χ^2 /NDF: 21496239338.5/24

Right Out: 0.159 $\pm$ 0.000 χ^2 /NDF: 90892088011.1/36

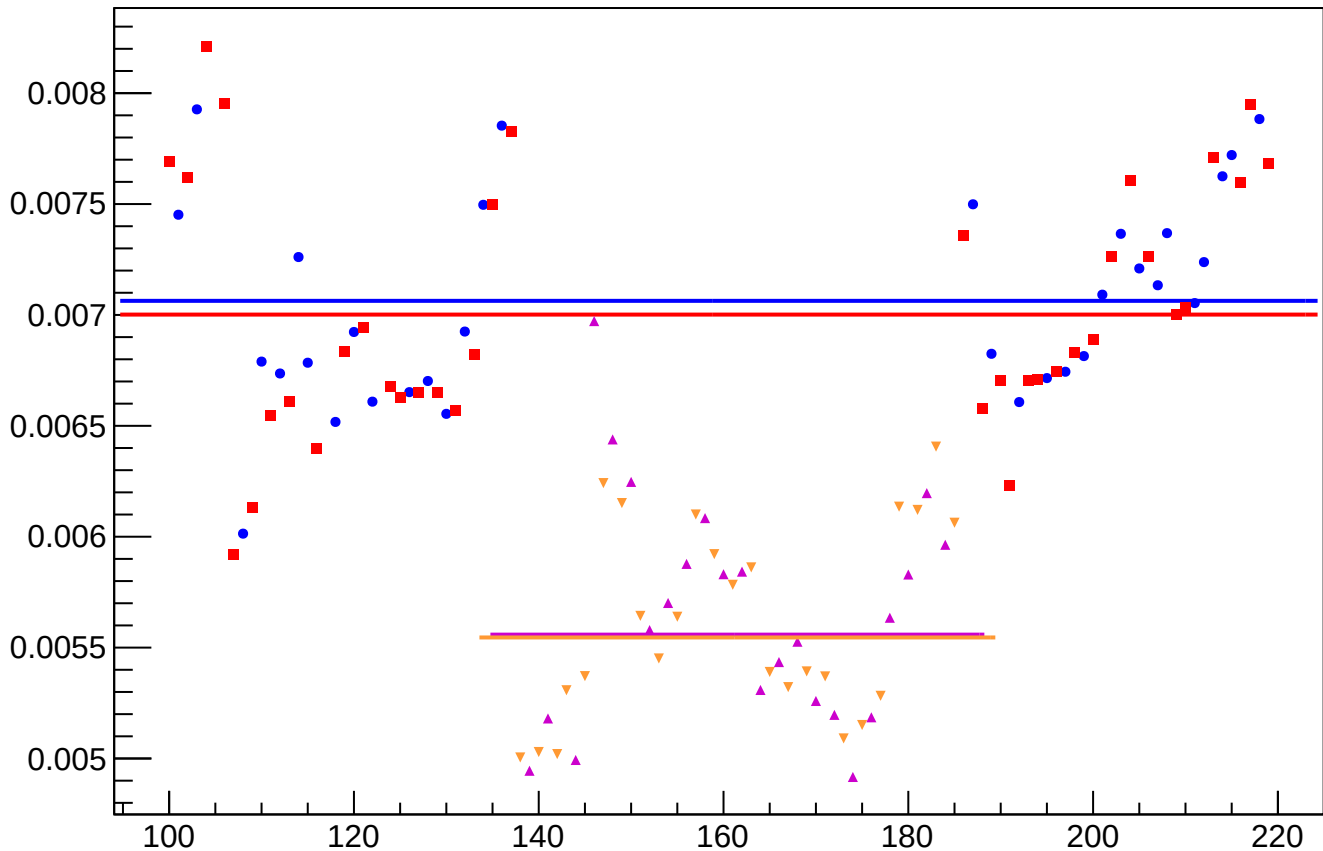
Left In: -0.140 $\pm$ 0.000 χ^2 /NDF: 15148699439.4/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 126663394772.3/56

All: -0.005 $\pm$ 0.000 χ^2 /NDF: 254466085974.8

- sign -0.010 $\pm$ 0.000 χ^2 /NDF: 127742685761.5/59

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 162081.2/31

Left Out: 0.006+/-0.000 χ^2/NDF : 201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF : 214292.9/36

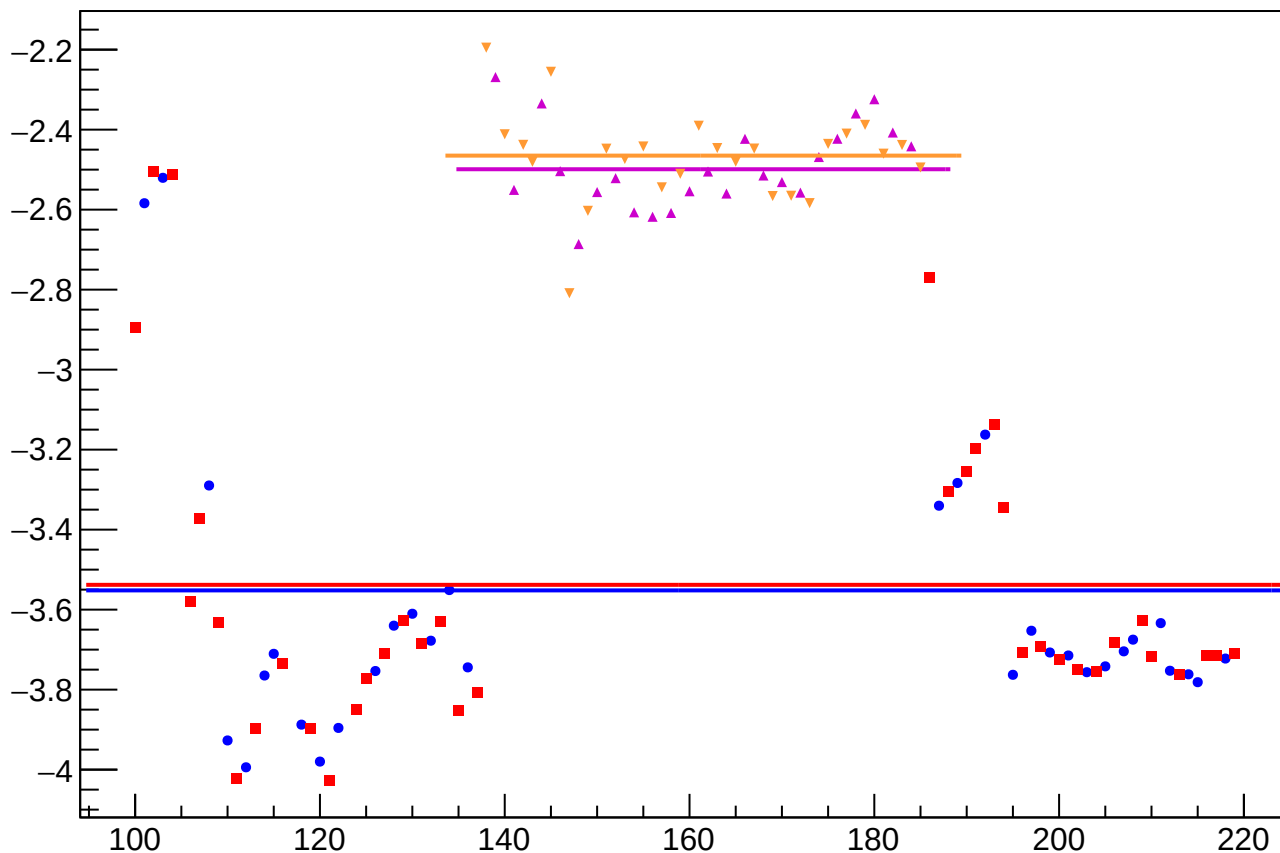
Left In: 0.006+/-0.000 χ^2/NDF : 260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF : 1461834.4/56

All: 0.006+/-0.000 χ^2/NDF : 2947858.6/116

- sign 0.006+/-0.000 χ^2/NDF : 1484993.1/59

yield_bpm0i02Y_mean vs Slug



Right In: -3.552+/-0.000 χ^2 /NDF: 33836848869.8/31

Left Out: -2.465+/-0.000 χ^2 /NDF:2167098053.0/24

Right Out: -3.538+/-0.000 χ^2 /NDF: 35680524386.2/36

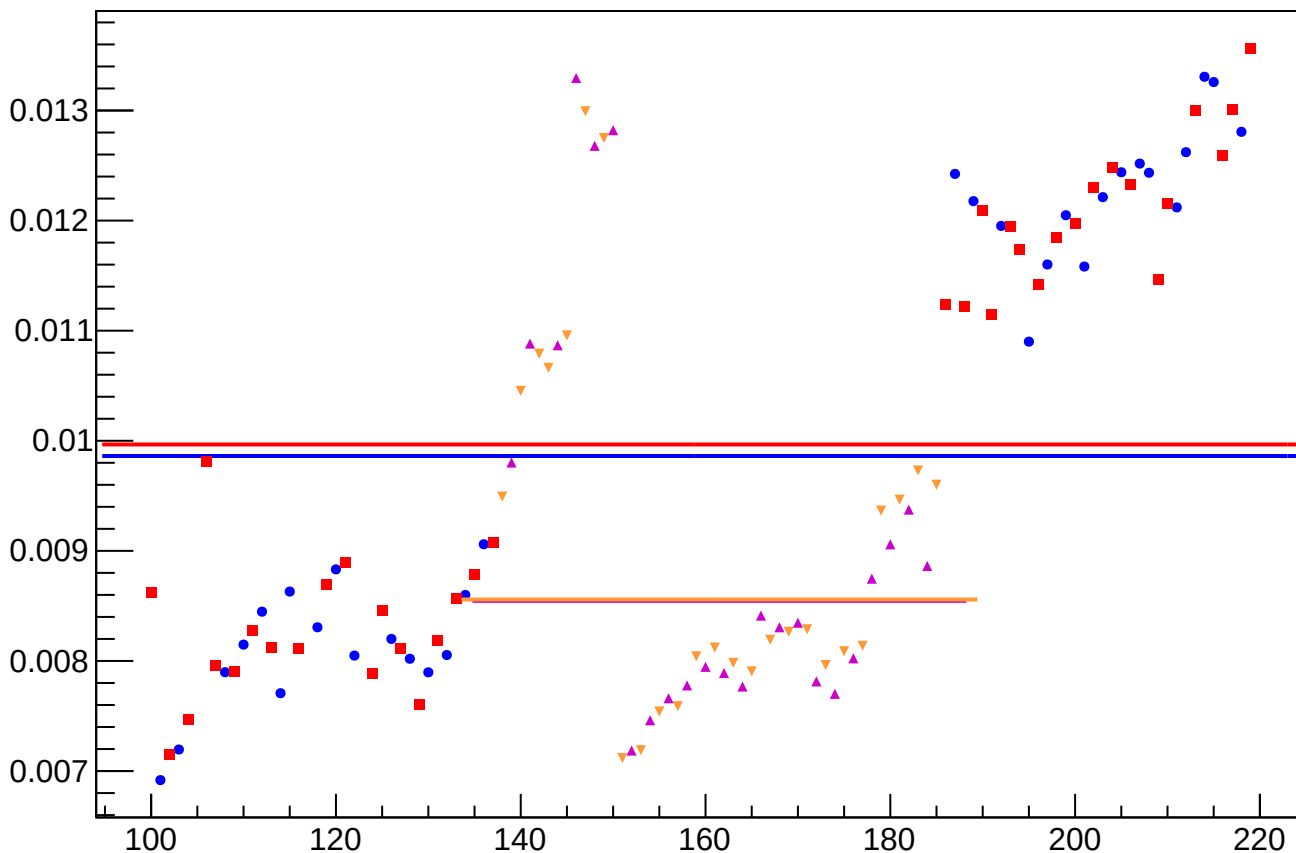
Left In: -2.499+/-0.000 χ^2 /NDF:2273256162.3/22

+ sign -2.943+/-0.000 χ^2 /NDF: 164311722781.8/56

All: -2.962+/-0.000 χ^2 /NDF: 319762311657.7

- sign -2.981+/-0.000 χ^2 /NDF: 155136100273.3/59

yield_bpm0i02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 1839415.2/31

Left Out: 0.009+/-0.000 χ^2/NDF :824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF : 1735510.5/36

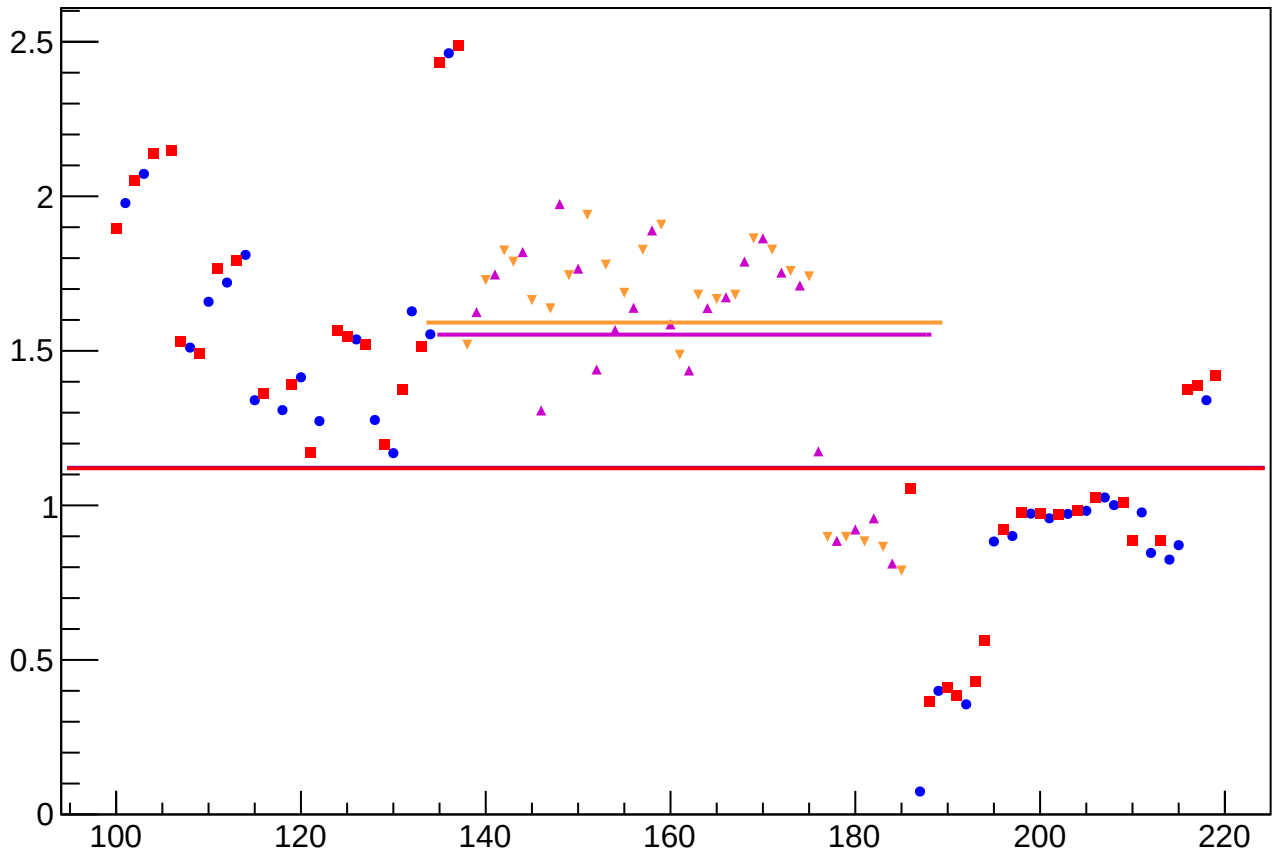
Left In: 0.009+/-0.000 χ^2/NDF :910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 3032379.5/56

All: 0.009+/-0.000 χ^2/NDF : 6119089.3/116

- sign 0.009+/-0.000 χ^2/NDF : 3084360.1/59

yield_bpm0i02aX_mean vs Slug



Right In: 1.122 ± 0.000 χ^2/NDF : 30928650859.4/31

Left Out: 1.592 ± 0.000 χ^2/NDF : 17078853061.6/24

Right Out: 1.120 ± 0.000 χ^2/NDF : 35889972774.5/36

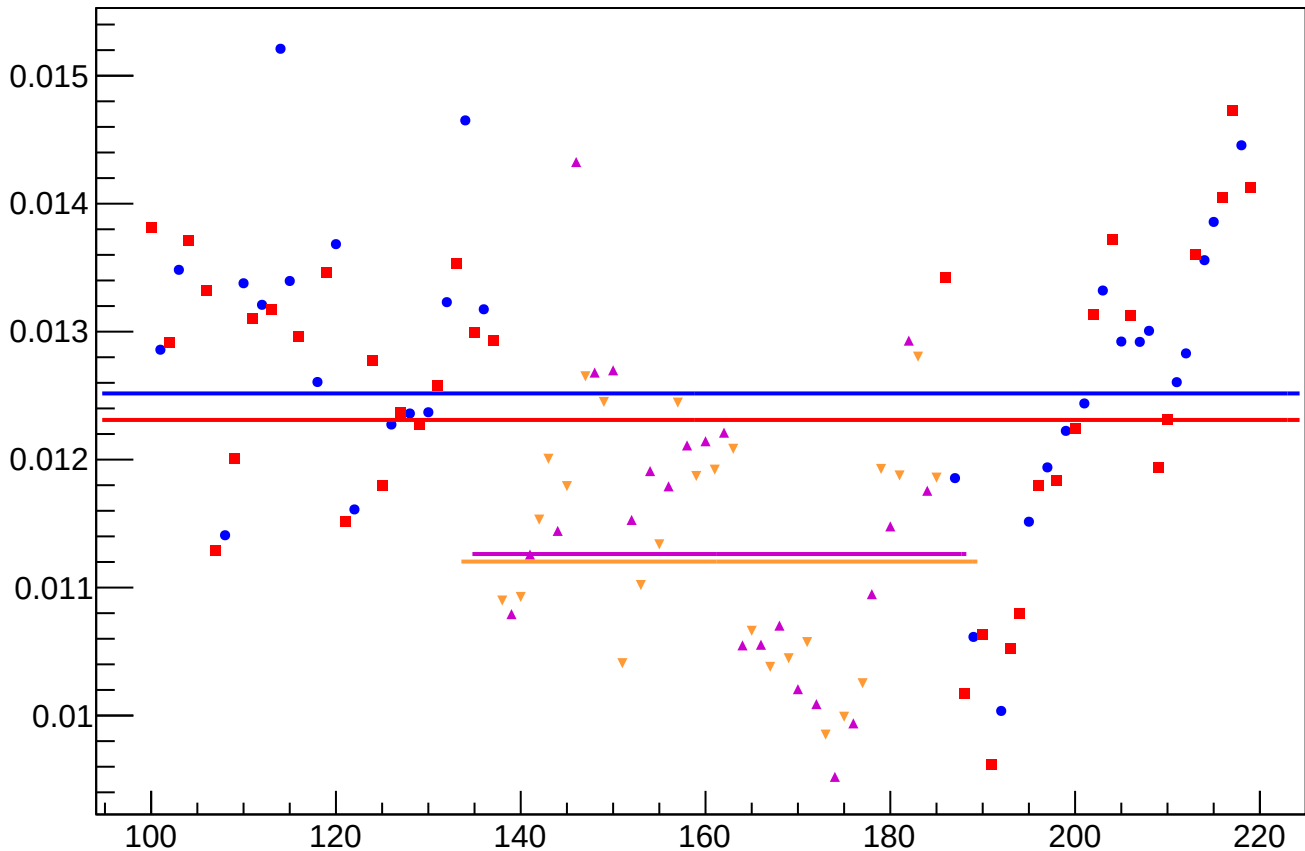
Left In: 1.552 ± 0.000 χ^2/NDF : 14055987405.9/22

+ sign 1.375 ± 0.000 χ^2/NDF : 62944466620.4/56

All: 1.356 ± 0.000 χ^2/NDF : 125880522794.2

- sign 1.336 ± 0.000 χ^2/NDF : 62724182732.6/59

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 303324.9/31

Left Out: 0.011+/-0.000 χ^2/NDF : 223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF : 431506.5/36

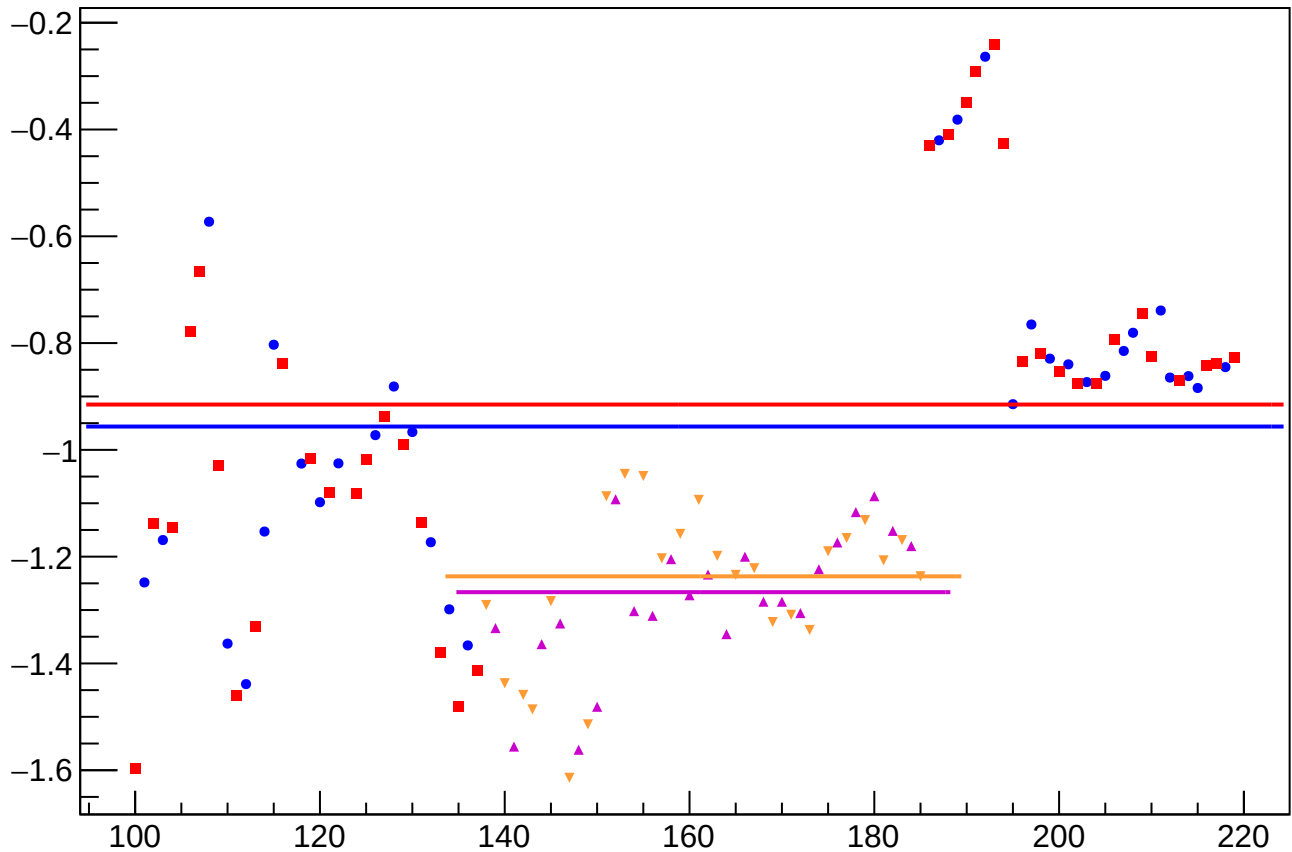
Left In: 0.011+/-0.000 χ^2/NDF : 311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF : 760386.4/56

All: 0.012+/-0.000 χ^2/NDF : 1653762.4/116

- sign 0.012+/-0.000 χ^2/NDF : 893259.9/59

yield_bpm0i02aY_mean vs Slug



Right In: -0.956 ± 0.000 χ^2/NDF : 12566630853.0/31

Left Out: -1.237 ± 0.000 χ^2/NDF : 4972272024.7/24

Right Out: -0.915 ± 0.000 χ^2/NDF : 17061950381.9/36

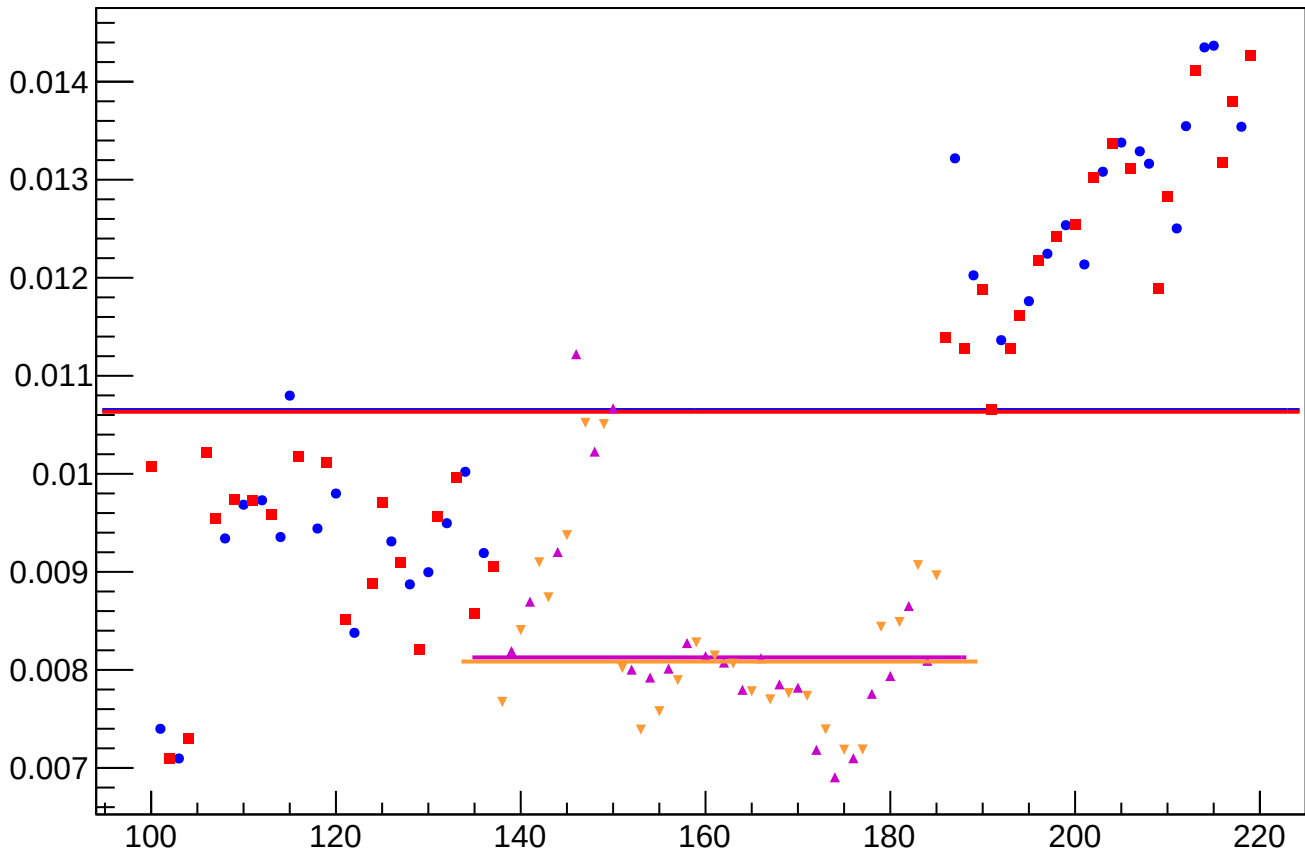
Left In: -1.267 ± 0.000 χ^2/NDF : 3674801511.3/22

+ sign -1.132 ± 0.000 χ^2/NDF : 25692648161.0/56

All: -1.128 ± 0.000 χ^2/NDF : 59433655258.4/100

- sign -1.124 ± 0.000 χ^2/NDF : 33727476032.5/59

yield_bpm0i02aY_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 1619808.6/31

Left Out: 0.008+/-0.000 χ^2/NDF : 326825.0/24

Right Out: 0.011+/-0.000 χ^2/NDF : 1563494.7/36

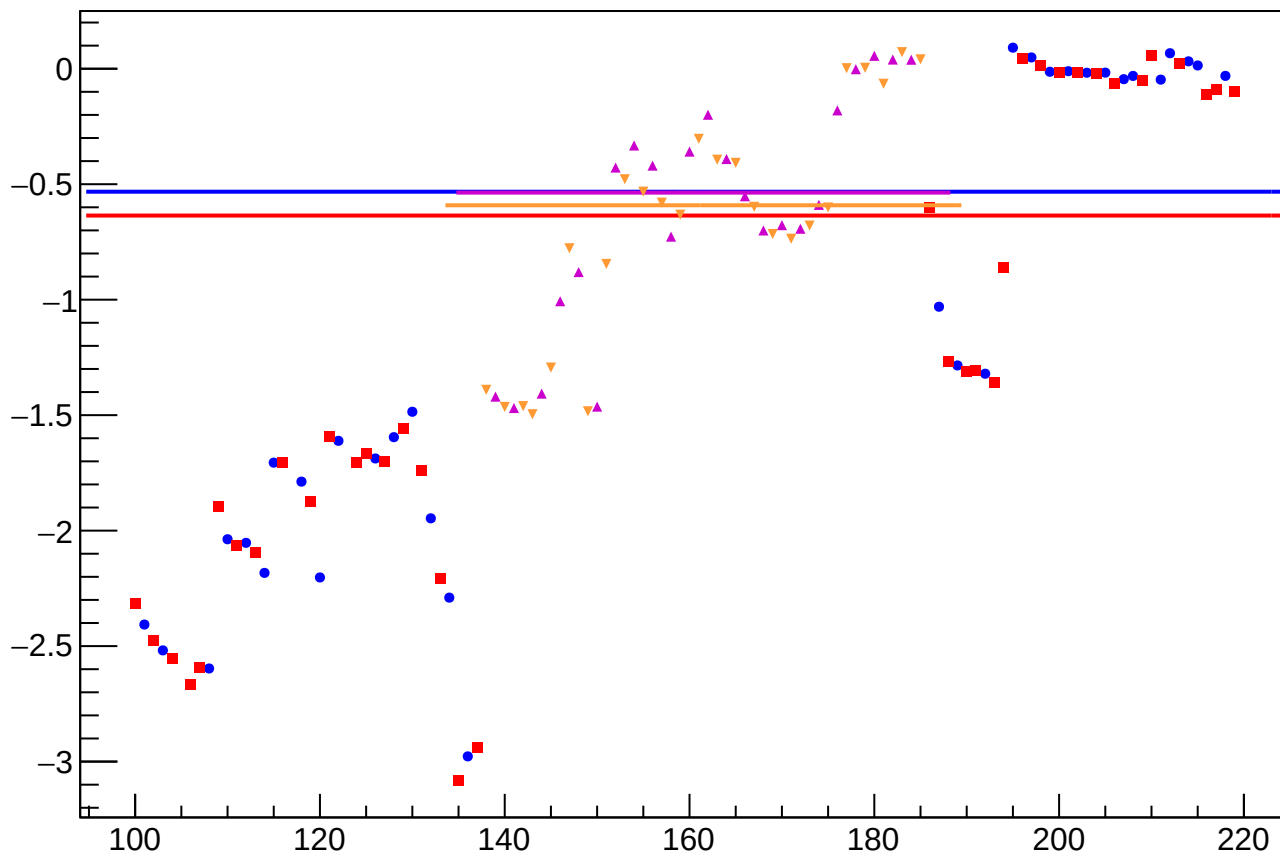
Left In: 0.008+/-0.000 χ^2/NDF : 409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 3309893.3/56

All: 0.009+/-0.000 χ^2/NDF : 6607814.2/116

- sign 0.009+/-0.000 χ^2/NDF : 3293690.3/59

yield_bpm0i05X_mean vs Slug



Right In: -0.532+/-0.000 χ^2 /NDF: 419854148548.0/31

Left Out: -0.591+/-0.000 χ^2 /NDF: 72678844667.5/24

Right Out: -0.636+/-0.000 χ^2 /NDF: 447971516618.1/36

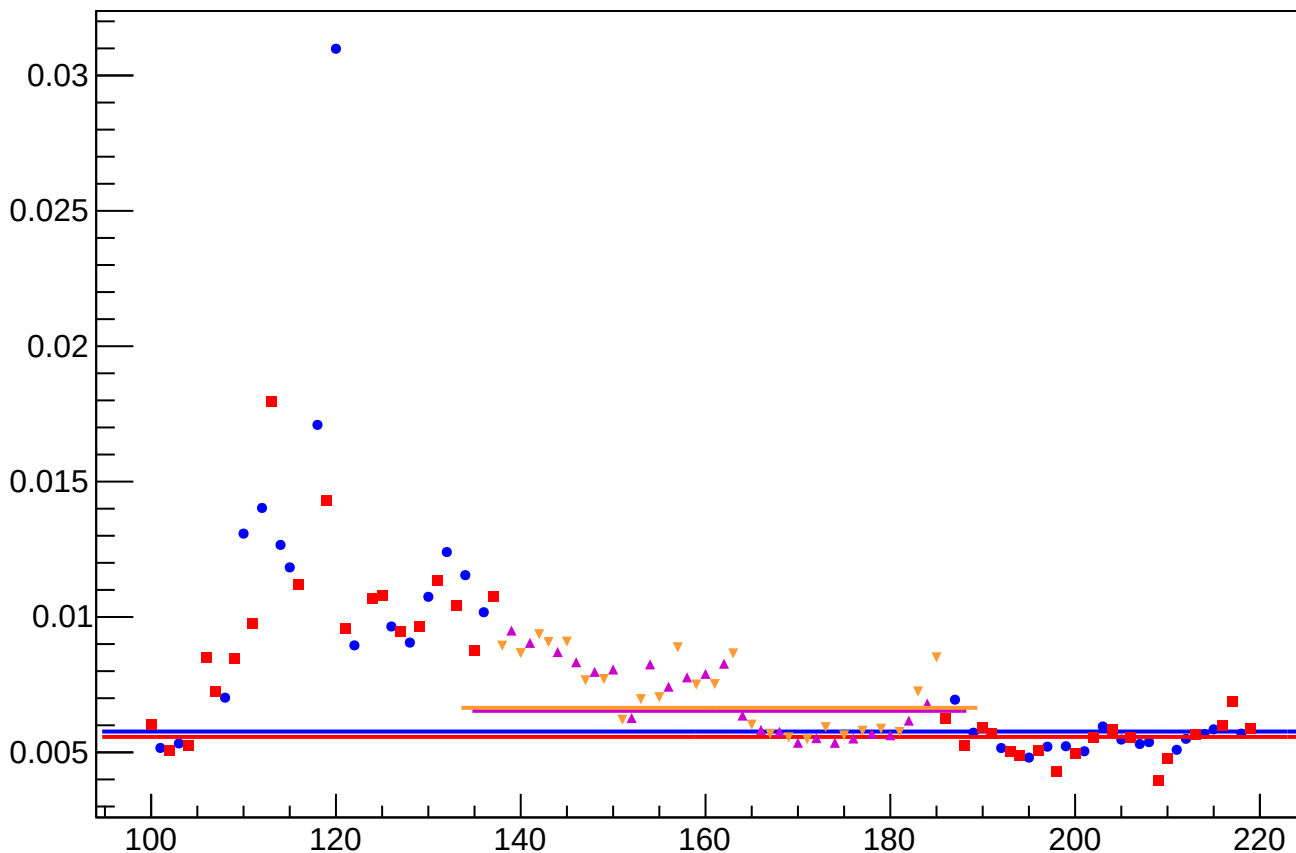
Left In: -0.536+/-0.000 χ^2 /NDF: 70168781562.6/22

+ sign -0.558+/-0.000 χ^2 /NDF: 493277316778.6/56

All: -0.578+/-0.000 χ^2 /NDF: 1014324337587

- sign -0.597+/-0.000 χ^2 /NDF: 520359309718.5/59

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2542699.8/31

Left Out: 0.007+/-0.000 χ^2/NDF :1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 2750209.0/36

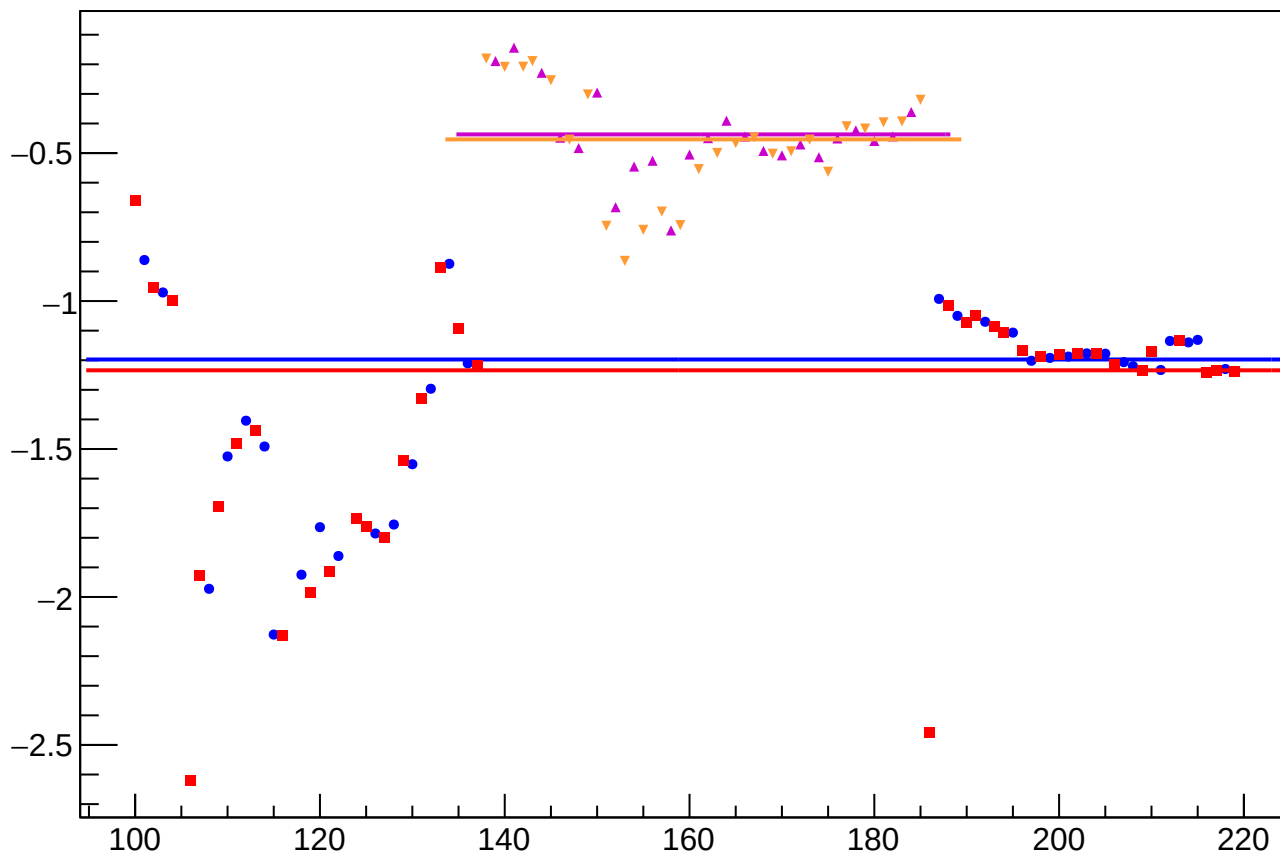
Left In: 0.007+/-0.000 χ^2/NDF :1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF : 3965500.8/56

All: 0.006+/-0.000 χ^2/NDF : 8319938.8/116

- sign 0.006+/-0.000 χ^2/NDF : 4319263.3/59

yield_bpm0i05Y_mean vs Slug



Right In: -1.197 ± 0.000 $\chi^2/\text{NDF}: 27680583973.7/31$

Left Out: -0.454 ± 0.000 $\chi^2/\text{NDF}: 29096412438.0/24$

Right Out: -1.234 ± 0.000 $\chi^2/\text{NDF}: 72816662258.6/36$

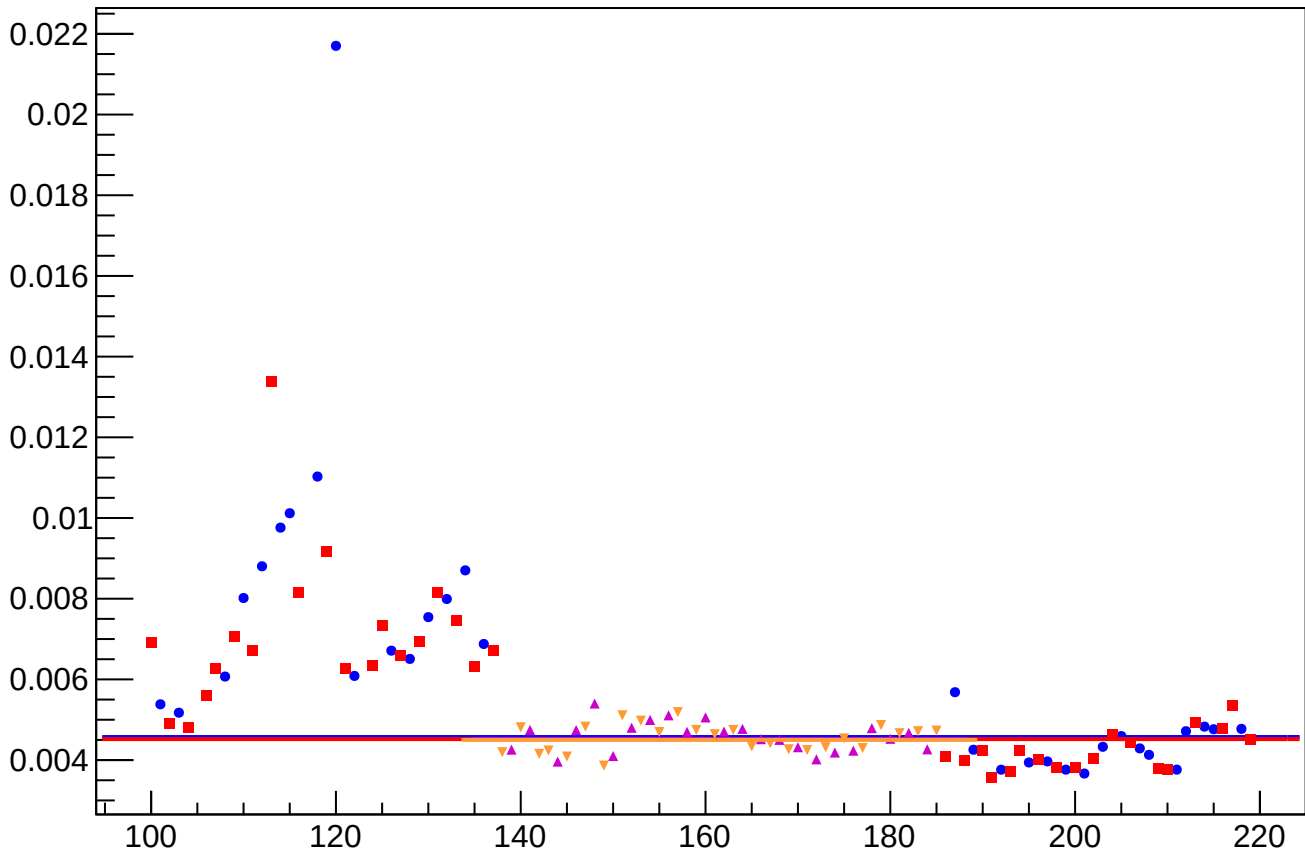
Left In: -0.437 ± 0.000 $\chi^2/\text{NDF}: 16544160360.6/22$

+ sign -0.811 ± 0.000 $\chi^2/\text{NDF}: 287764870767.1/56$

All: -0.832 ± 0.000 $\chi^2/\text{NDF}: 648562777516.7$

- sign -0.852 ± 0.000 $\chi^2/\text{NDF}: 359329868715.3/59$

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2258812.8/31

Left Out: 0.005+/-0.000 χ^2/NDF :189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2025589.5/36

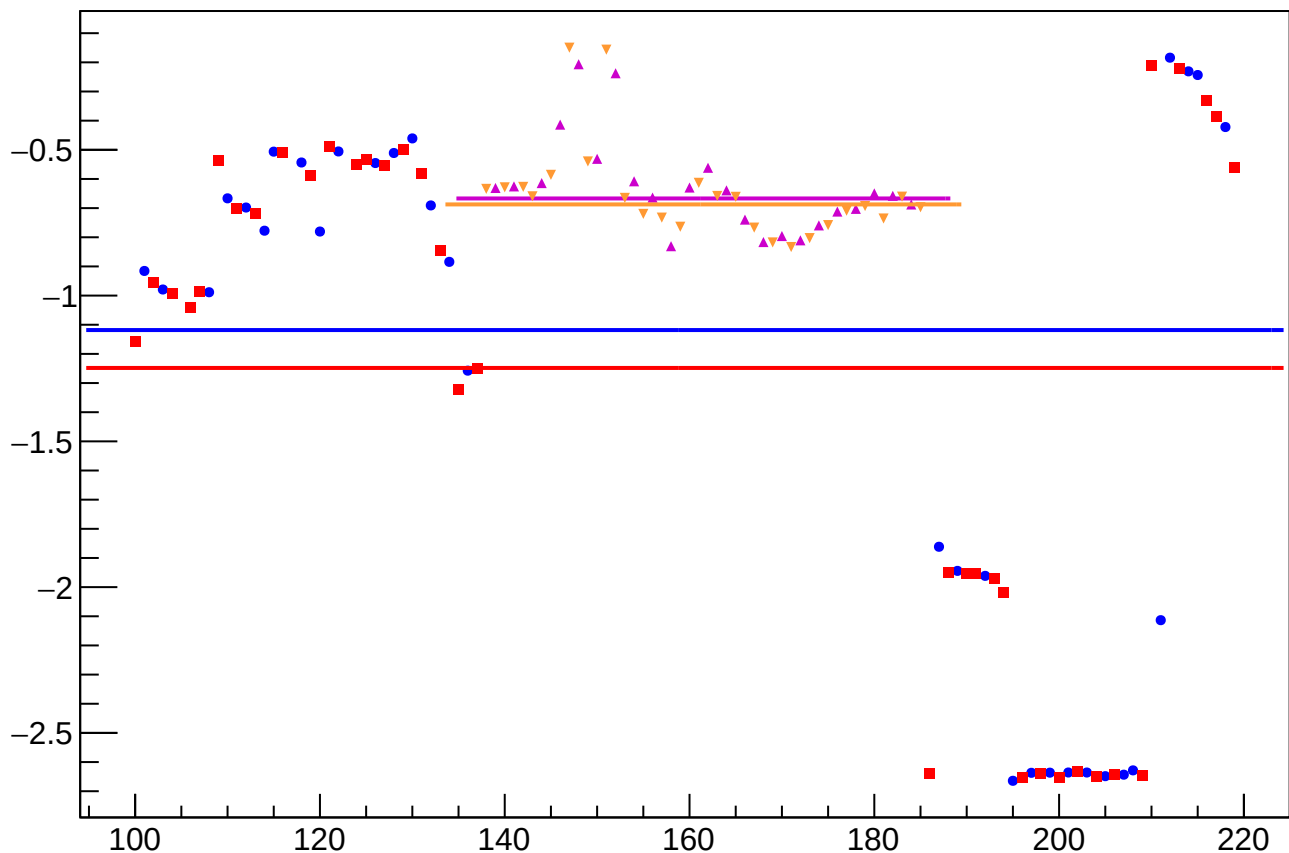
Left In: 0.005+/-0.000 χ^2/NDF :212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 2452164.3/56

All: 0.005+/-0.000 χ^2/NDF : 4690158.8/116

- sign 0.005+/-0.000 χ^2/NDF : 2237646.3/59

yield_bpm0i07X_mean vs Slug



Right In: -1.118+/-0.000 χ^2 /NDF: 626571748572.9/31

Left Out: -0.687+/-0.000 χ^2 /NDF: 22462821855.7/24

Right Out: -1.248+/-0.000 χ^2 /NDF: 767970838031.8/36

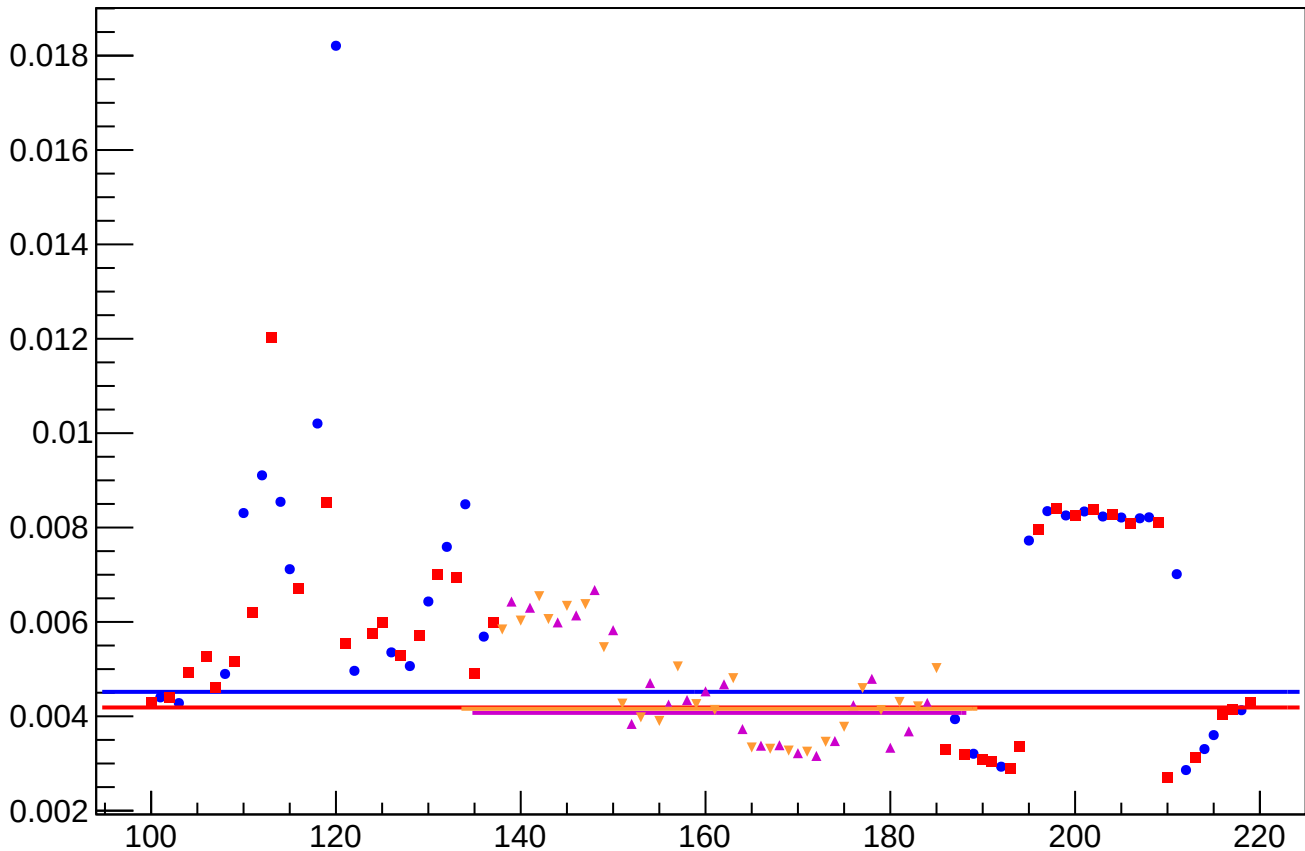
Left In: -0.667+/-0.000 χ^2 /NDF: 22531477329.1/22

+ sign -0.879+/-0.000 χ^2 /NDF: 728709215064.5/56

All: -0.922+/-0.000 χ^2 /NDF: 1688514583533

- sign -0.962+/-0.000 χ^2 /NDF: 953560143139.4/59

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 5867367.5/31

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1520055.0/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 5568237.2/36

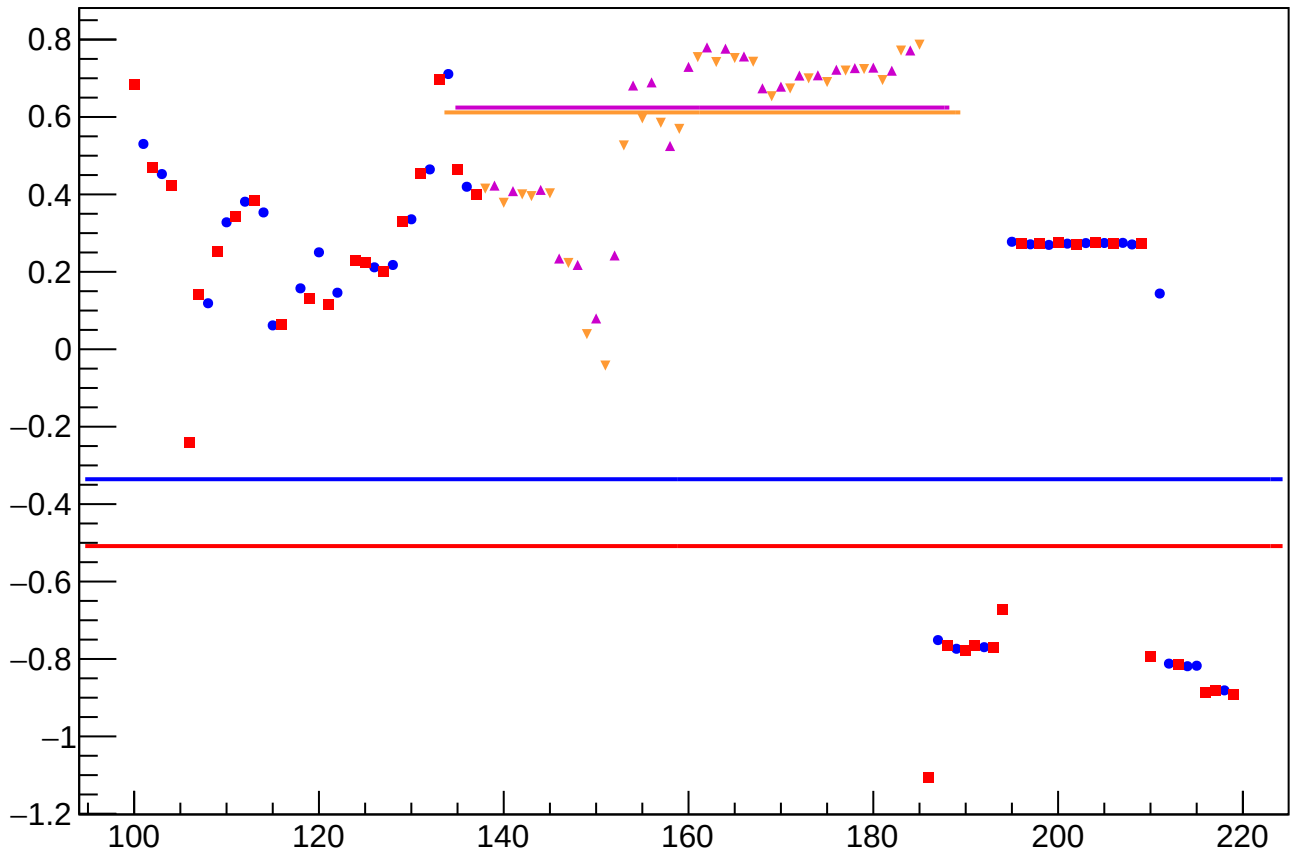
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1750303.9/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7497210.0/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 14893547.8/116

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7331189.5/59

yield_bpm0i07Y_mean vs Slug



Right In: -0.336+/-0.000 χ^2/NDF : 531803943037.0/31

Left Out: 0.612+/-0.000 χ^2/NDF : 45742599949.2/24

Right Out: -0.508+/-0.000 χ^2/NDF : 665363346548.6/36

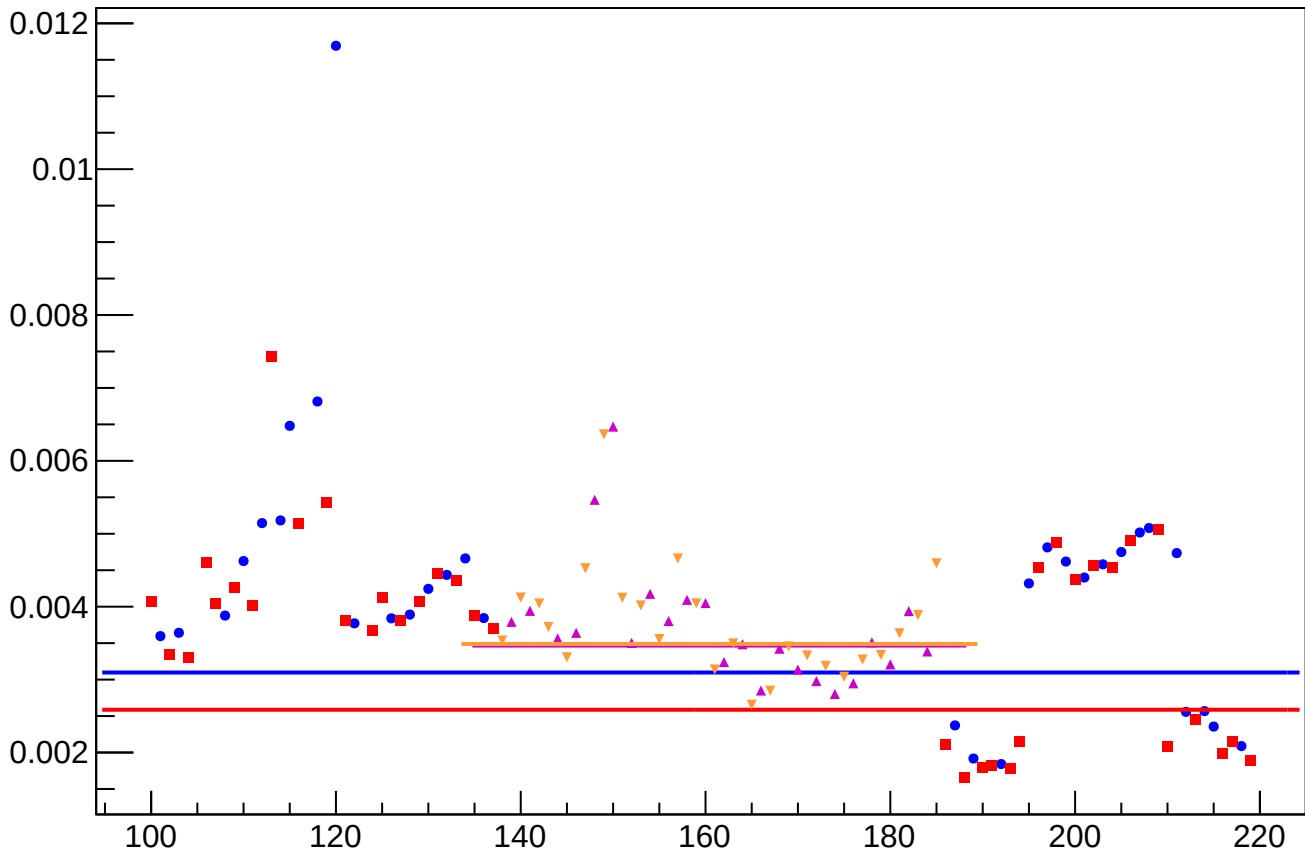
Left In: 0.624+/-0.000 χ^2/NDF : 40353141115.4/22

+ sign 0.079+/-0.000 χ^2/NDF : 1242659878578.8/56

All: -0.036+/-0.000 χ^2/NDF : 3100176386933

- sign -0.128+/-0.000 χ^2/NDF : 1785425137441.4/59

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4862907.7/31

Left Out: 0.003+/-0.000 χ^2/NDF :850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5961545.7/36

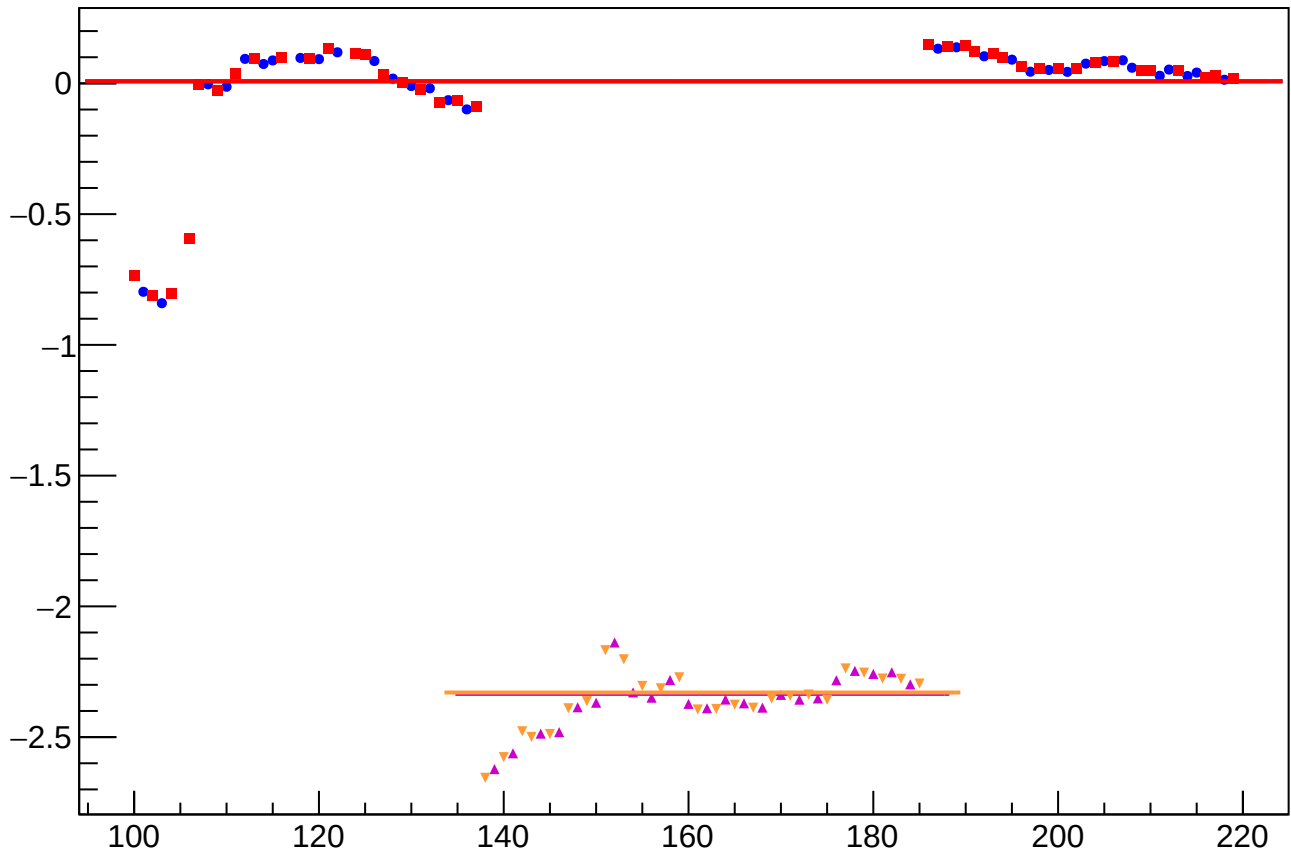
Left In: 0.003+/-0.000 χ^2/NDF :894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 5939964.5/56

All: 0.003+/-0.000 χ^2/NDF : 14599368.6/116

- sign 0.003+/-0.000 χ^2/NDF : 8159763.2/59

yield_bpm1i02X_mean vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 6576767917.1/31

Left Out: -2.329+/-0.000 χ^2/NDF : 1982733526.8/24

Right Out: 0.008+/-0.000 χ^2/NDF : 7841646323.4/36

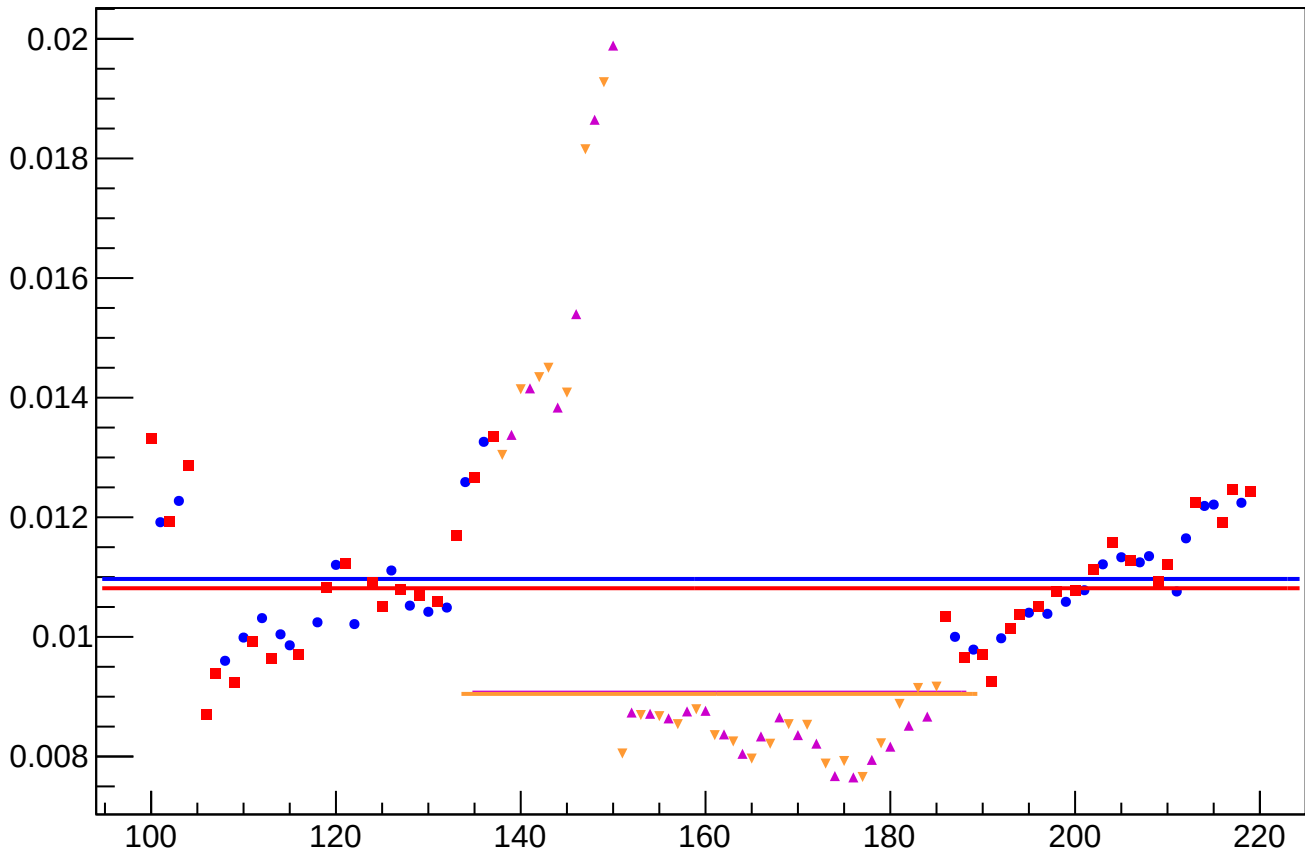
Left In: -2.335+/-0.000 χ^2/NDF : 1676703216.8/22

+ sign -1.332+/-0.000 χ^2/NDF : 526582909218.6/56

All: -1.289+/-0.000 χ^2/NDF : 1069583789873

- sign -1.246+/-0.000 χ^2/NDF : 541576997064.3/59

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 256074.9/31

Left Out: 0.009+/-0.000 χ^2/NDF : 2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 370148.3/36

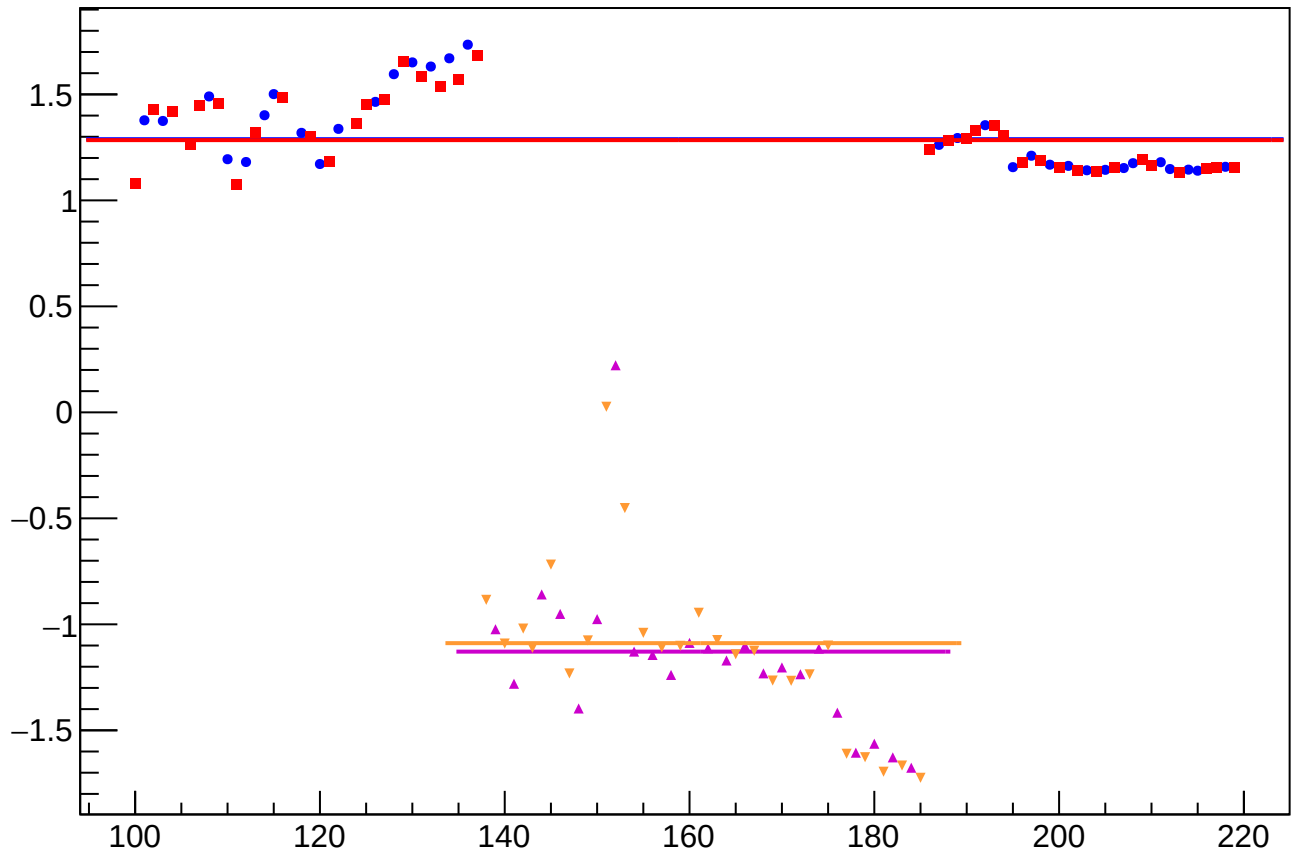
Left In: 0.009+/-0.000 χ^2/NDF : 2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF : 3005434.8/56

All: 0.010+/-0.000 χ^2/NDF : 6100523.2/116

- sign 0.010+/-0.000 χ^2/NDF : 3095034.9/59

yield_bpm1i02Y_mean vs Slug



Right In: 1.289+/-0.000 χ^2/NDF : 9709213494.1/31

Left Out: -1.089+/-0.000 χ^2/NDF : 61255304912.3/24

Right Out: 1.284+/-0.000 χ^2/NDF : 7729288621.8/36

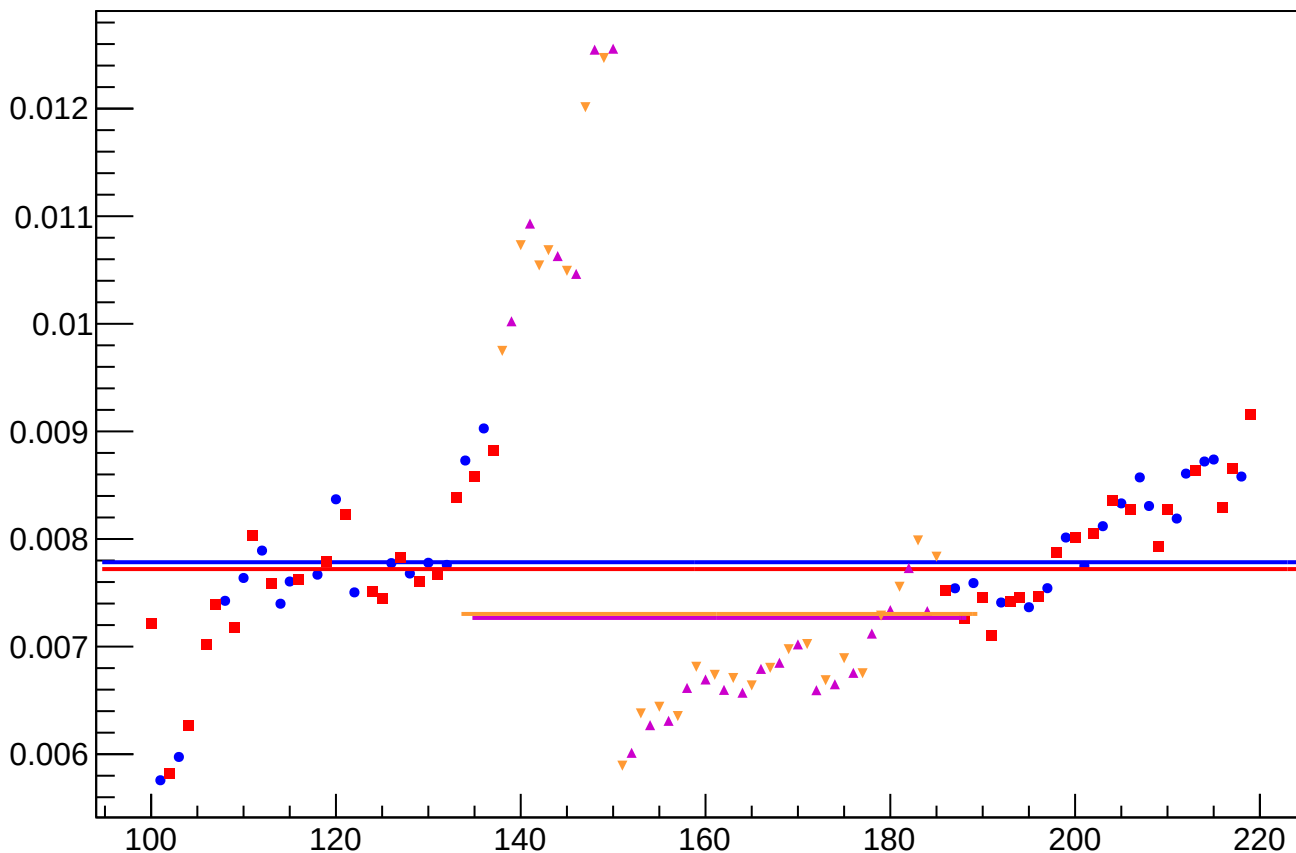
Left In: -1.129+/-0.000 χ^2/NDF : 58876825364.1/22

+ sign 0.067+/-0.000 χ^2/NDF : 1022391432430.5/56

All: 0.095+/-0.000 χ^2/NDF : 2089026001620.

- sign 0.122+/-0.000 χ^2/NDF : 1065572827313.8/59

yield_bpm1i02Y_rms vs Slug



Right In: 0.008 ± 0.000 χ^2/NDF : 444429.8/31

Left Out: 0.007 ± 0.000 χ^2/NDF : 1504103.4/24

Right Out: 0.008 ± 0.000 χ^2/NDF : 379096.9/36

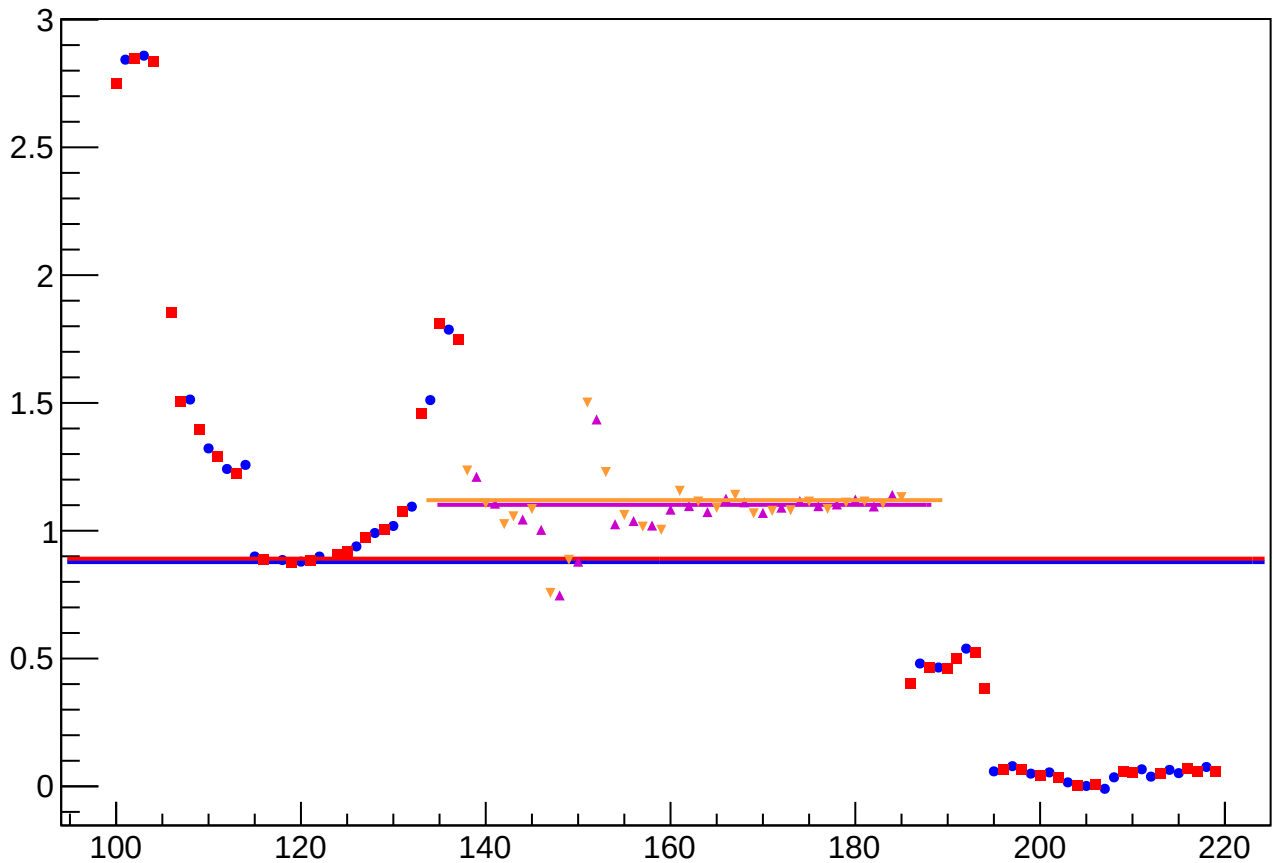
Left In: 0.007 ± 0.000 χ^2/NDF : 1560089.8/22

+ sign 0.008 ± 0.000 χ^2/NDF : 2026329.5/56

All: 0.008 ± 0.000 χ^2/NDF : 4037127.0/116

- sign 0.008 ± 0.000 χ^2/NDF : 2009944.2/59

yield_bpm1i04X_mean vs Slug



Right In: 0.877 $\pm$ 0.000 χ^2 /NDF: 161234060064.7/31

Left Out: 1.120 $\pm$ 0.000 χ^2 /NDF: 5515079117.9/24

Right Out: 0.891 $\pm$ 0.000 χ^2 /NDF: 158683317902.1/36

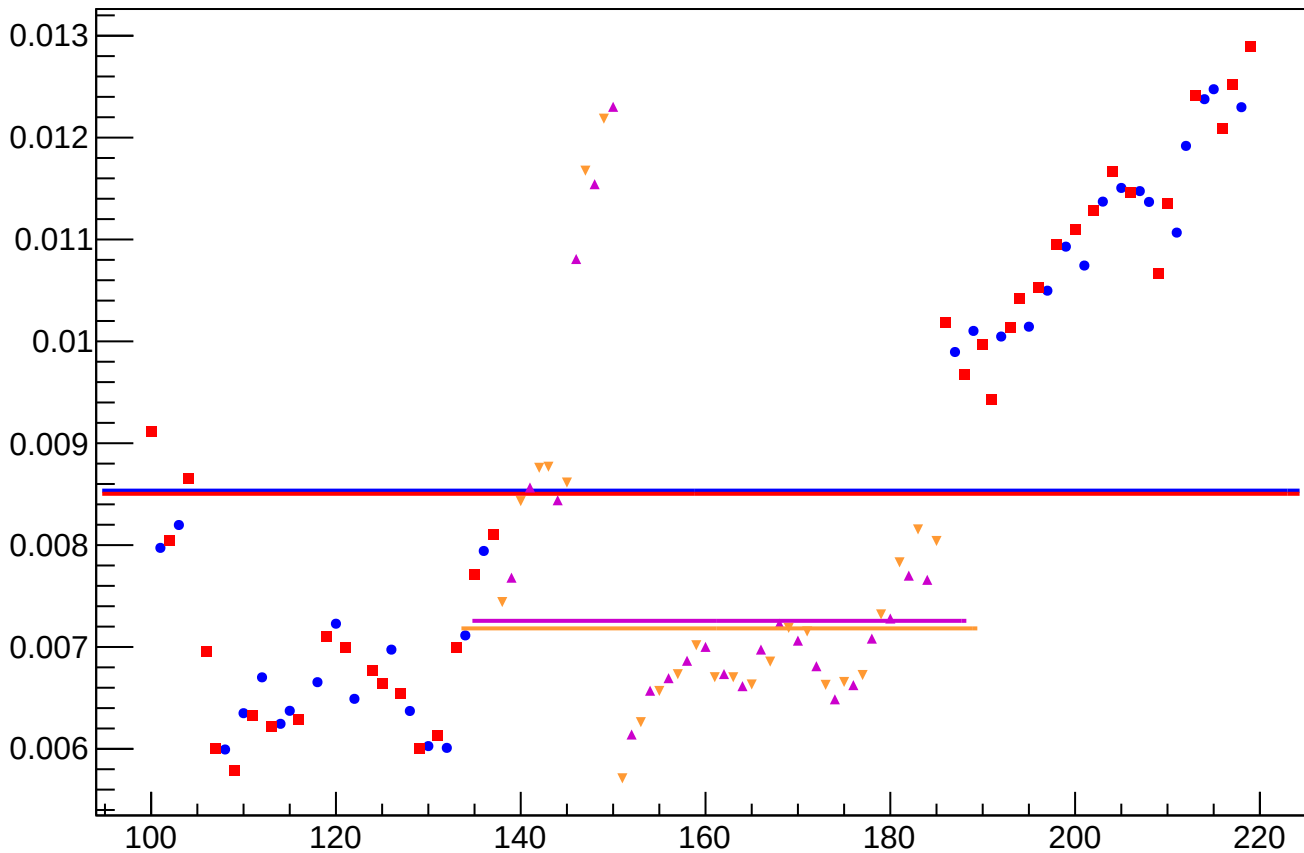
Left In: 1.101 $\pm$ 0.000 χ^2 /NDF: 4201972548.8/22

+ sign 1.018 $\pm$ 0.000 χ^2 /NDF: 175535782217.9/56

All: 1.012 $\pm$ 0.000 χ^2 /NDF: 345160157876.5

- sign 1.006 $\pm$ 0.000 χ^2 /NDF: 169576845993.2/59

yield_bpm1i04X_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 2613373.7/31

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:893807.0/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2847572.2/36

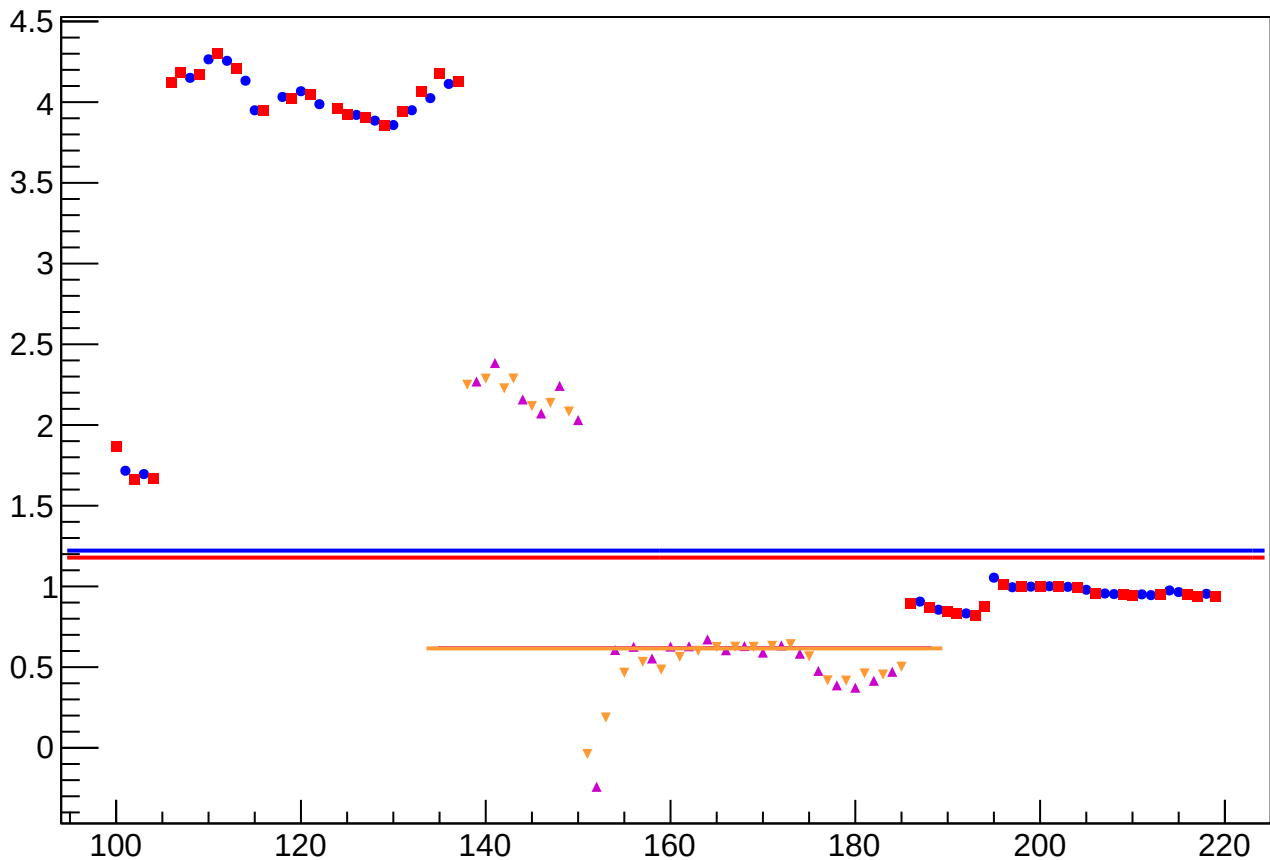
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:916696.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 4054710.7/56

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 8291530.5/116

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 4233472.5/59

yield_bpm1i04Y_mean vs Slug



Right In: 1.222 $\pm$ 0.000 χ^2 /NDF: 1646872844092.7/31

Left Out: 0.616 $\pm$ 0.000 χ^2 /NDF: 251940630795.3/24

Right Out: 1.179 $\pm$ 0.000 χ^2 /NDF: 1813031691916.1/36

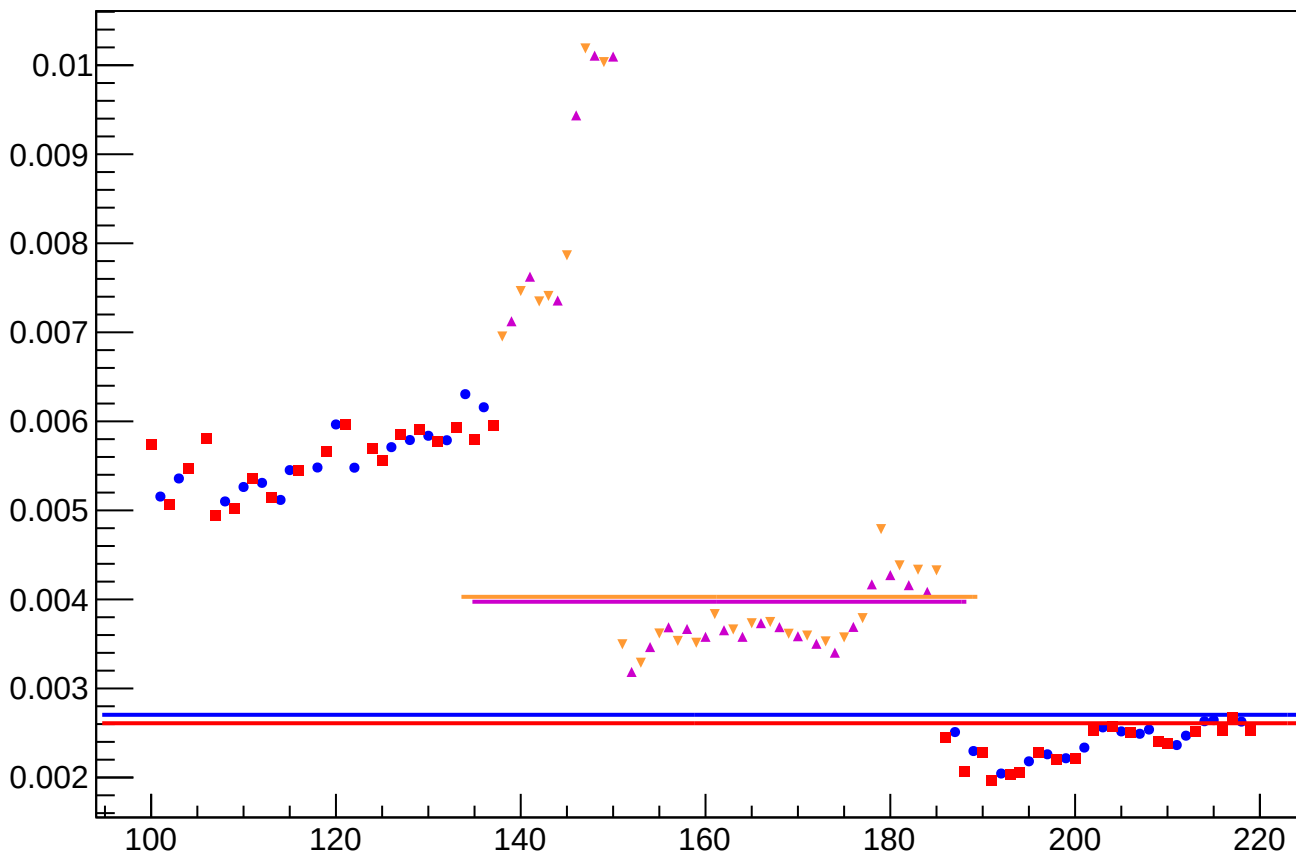
Left In: 0.618 $\pm$ 0.000 χ^2 /NDF: 254248143278.9/22

+ sign 1.032 $\pm$ 0.000 χ^2 /NDF: 2165173985105.8/56

All: 1.027 $\pm$ 0.000 χ^2 /NDF: 4465109750945.1

- sign 1.022 $\pm$ 0.000 χ^2 /NDF: 2299760250625.4/59

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4427523.5/31

Left Out: 0.004+/-0.000 χ^2/NDF :2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4716923.2/36

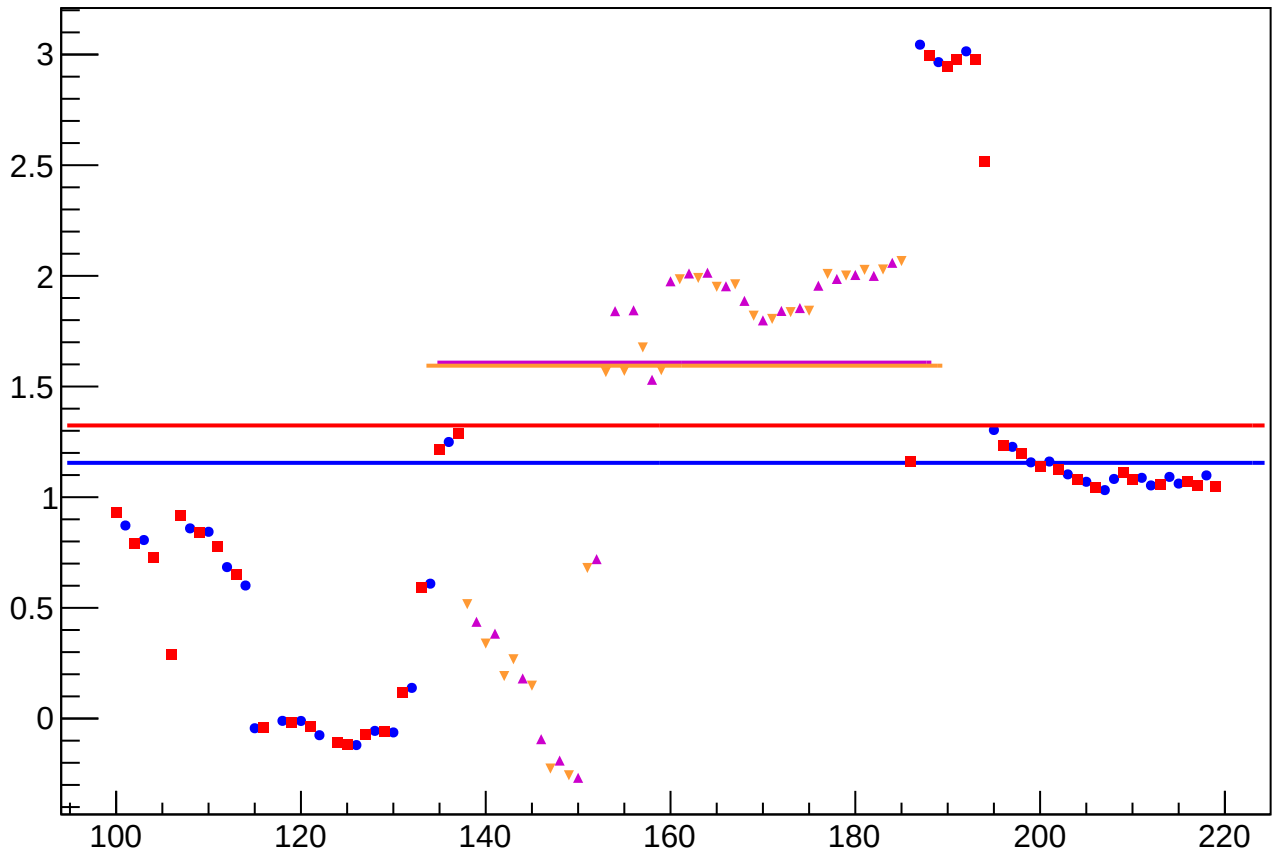
Left In: 0.004+/-0.000 χ^2/NDF :3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF : 9940665.5/56

All: 0.003+/-0.000 χ^2/NDF : 20595345.2/116

- sign 0.003+/-0.000 χ^2/NDF : 10596178.7/59

yield_bpm1i06X_mean vs Slug



Right In: 1.155 $\pm$ 0.000 χ^2 /NDF: 77927598087.5/31

Left Out: 1.594 $\pm$ 0.000 χ^2 /NDF: 62632055963.2/24

Right Out: 1.324 $\pm$ 0.000 χ^2 /NDF: 107823288008.4/36

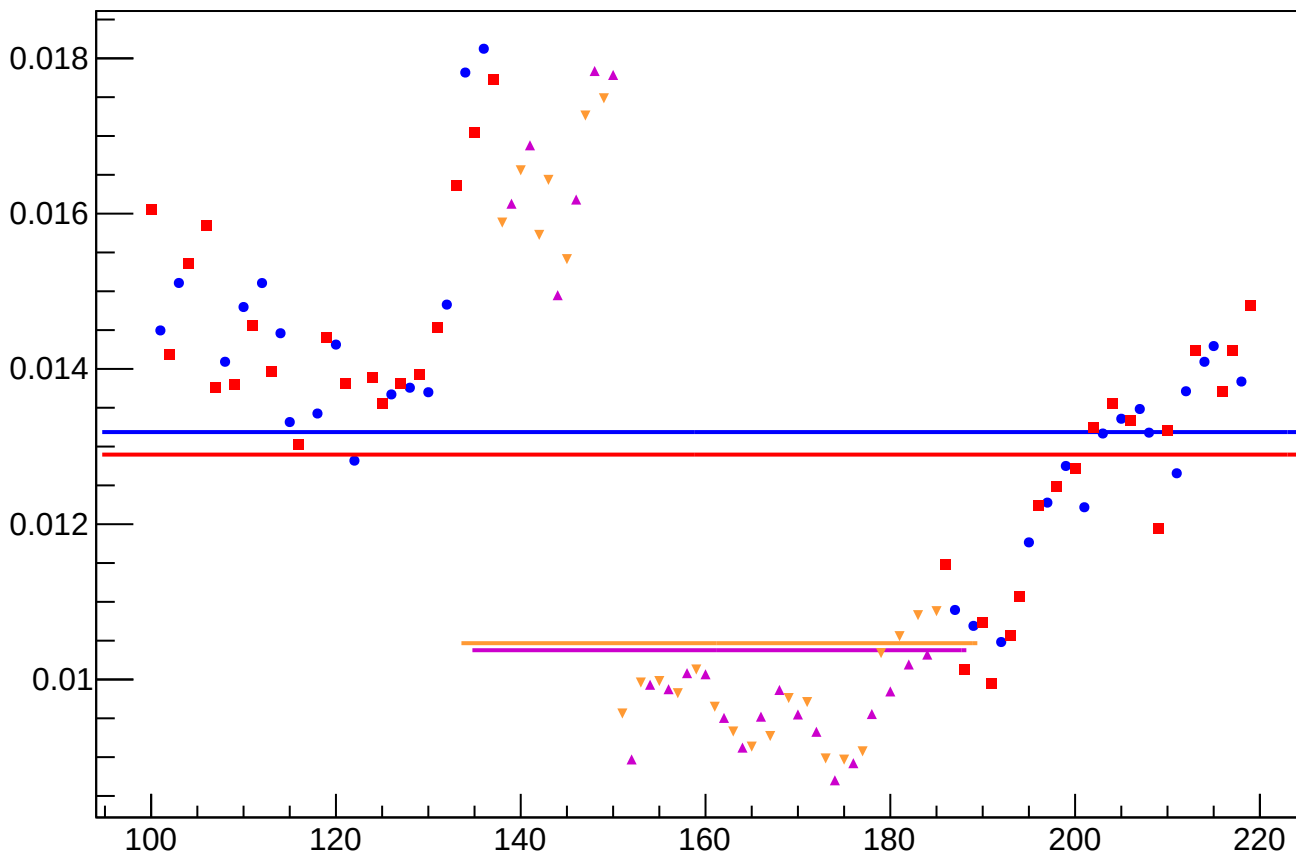
Left In: 1.608 $\pm$ 0.000 χ^2 /NDF: 66403809503.4/22

+ sign 1.417 $\pm$ 0.000 χ^2 /NDF: 153551693019.7/56

All: 1.451 $\pm$ 0.000 χ^2 /NDF: 334079982154.2

- sign 1.484 $\pm$ 0.000 χ^2 /NDF: 179895922394.5/59

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 535801.1/31

Left Out: 0.010+/-0.000 χ^2/NDF : 1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF : 688750.6/36

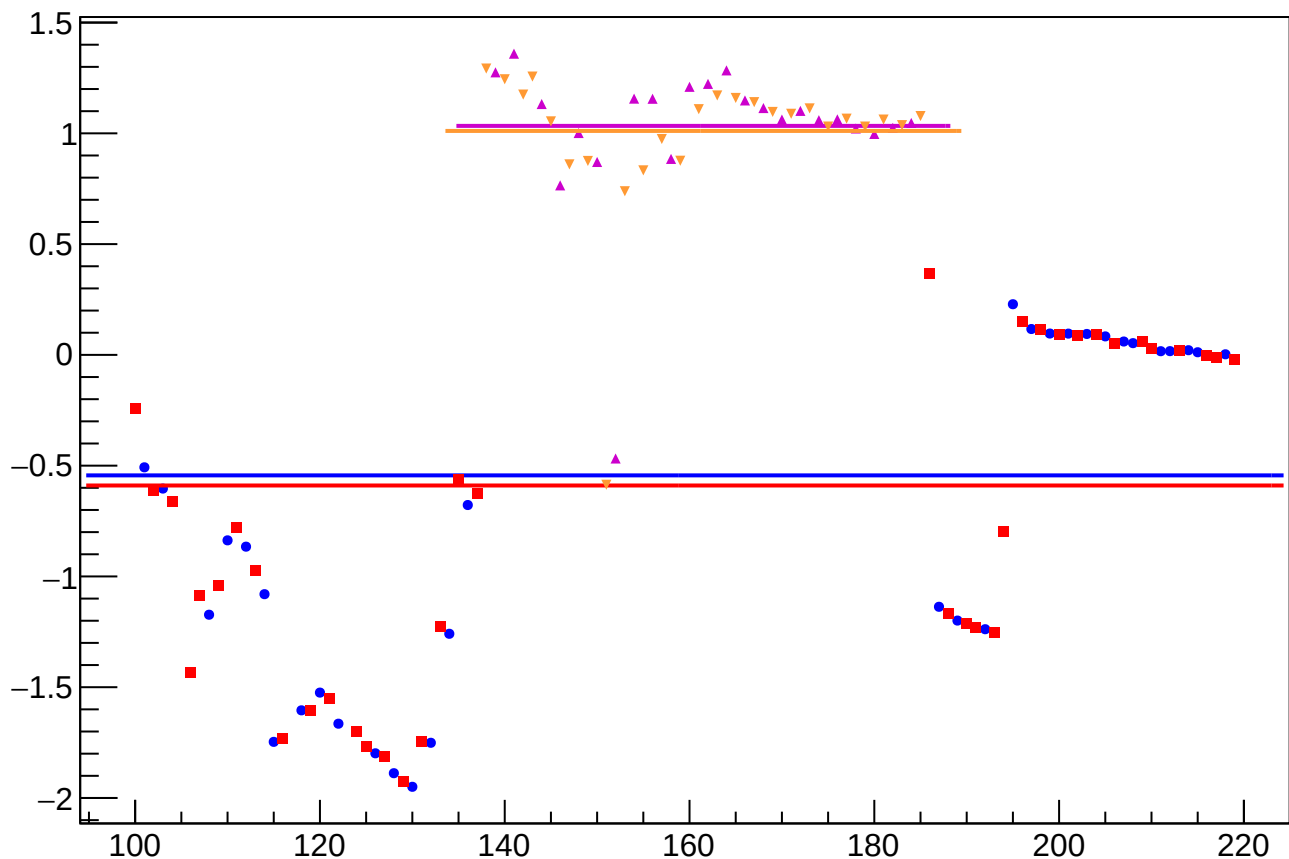
Left In: 0.010+/-0.000 χ^2/NDF : 1710541.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 3193739.7/56

All: 0.012+/-0.000 χ^2/NDF : 6488084.5/116

- sign 0.011+/-0.000 χ^2/NDF : 3292260.7/59

yield_bpm1i06Y_mean vs Slug



Right In: -0.544+/-0.000 χ^2/NDF : 218203663121.3/31

Left Out: 1.011+/-0.000 χ^2/NDF :111188616245.0/24

Right Out: -0.590+/-0.000 χ^2/NDF : 210204752852.4/36

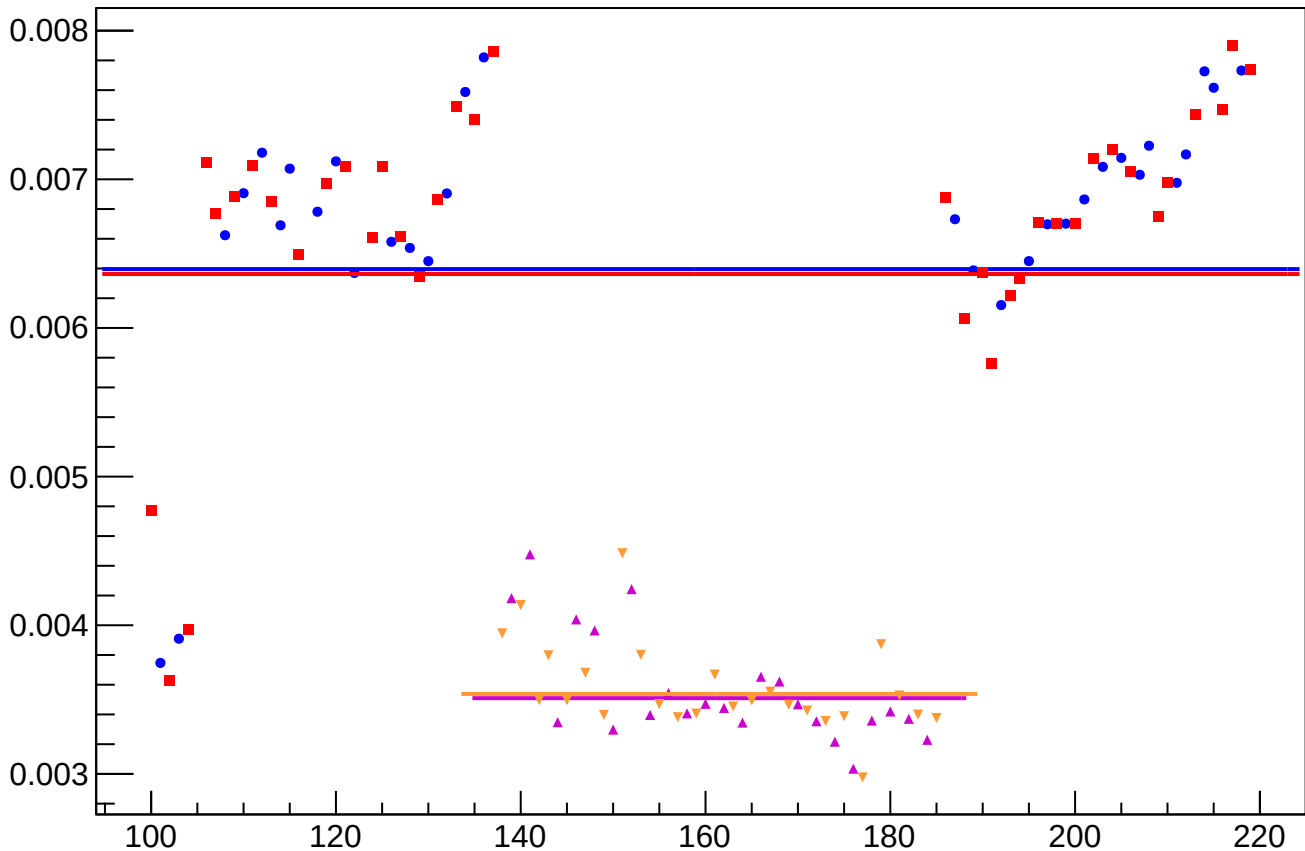
Left In: 1.034+/-0.000 χ^2/NDF :125385050389.9/22

+ sign 0.631+/-0.000 χ^2/NDF : 1159282957043.9/56

All: 0.616+/-0.000 χ^2/NDF : 2440110283960.

- sign 0.601+/-0.000 χ^2/NDF : 1280006465774.3/59

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1416723.4/31

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:215725.1/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1460810.8/36

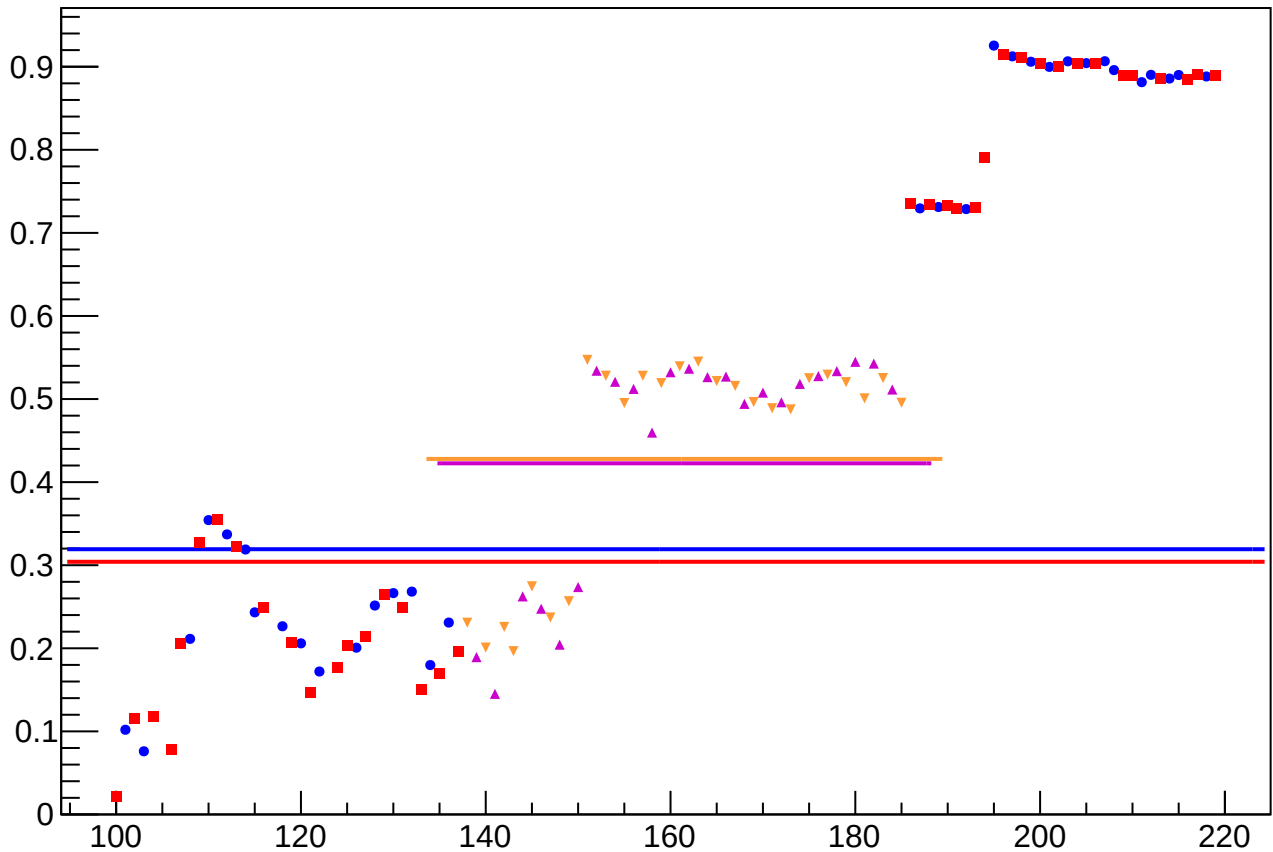
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:284960.7/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7241275.6/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 14826026.4/116

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7582668.8/59

yield_bpm2i01X_mean vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 247993276061.7/31

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF: 153820853539.2/24

Right Out: 0.304 $\pm$ 0.000 χ^2 /NDF: 269881323533.4/36

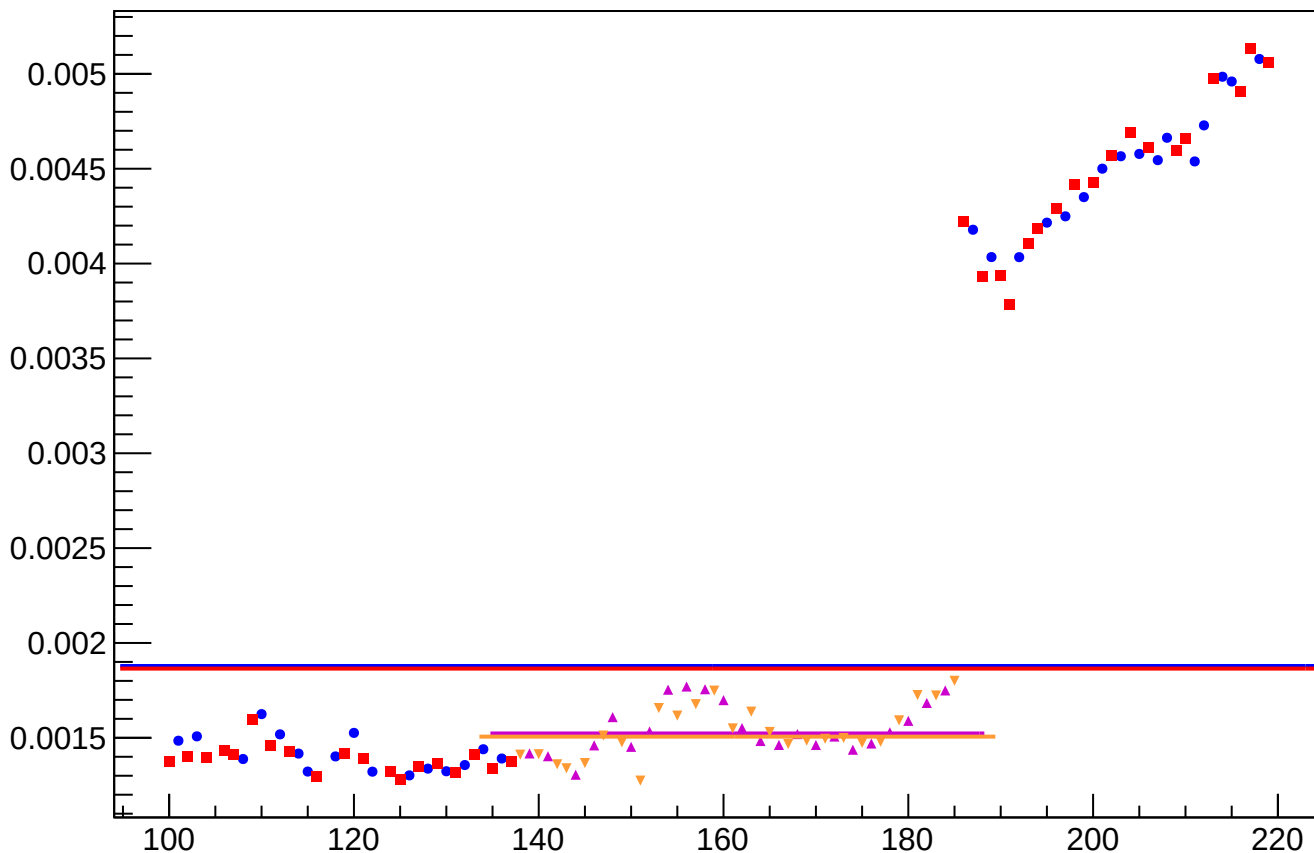
Left In: 0.423 $\pm$ 0.000 χ^2 /NDF: 158122093061.2/22

+ sign 0.392 $\pm$ 0.000 χ^2 /NDF: 434573068581.3/56

All: 0.386 $\pm$ 0.000 χ^2 /NDF: 903500526052.0

- sign 0.379 $\pm$ 0.000 χ^2 /NDF: 467903963357.1/59

yield_bpm2i01X_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 10422161.9/31

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:278895.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 11307360.4/36

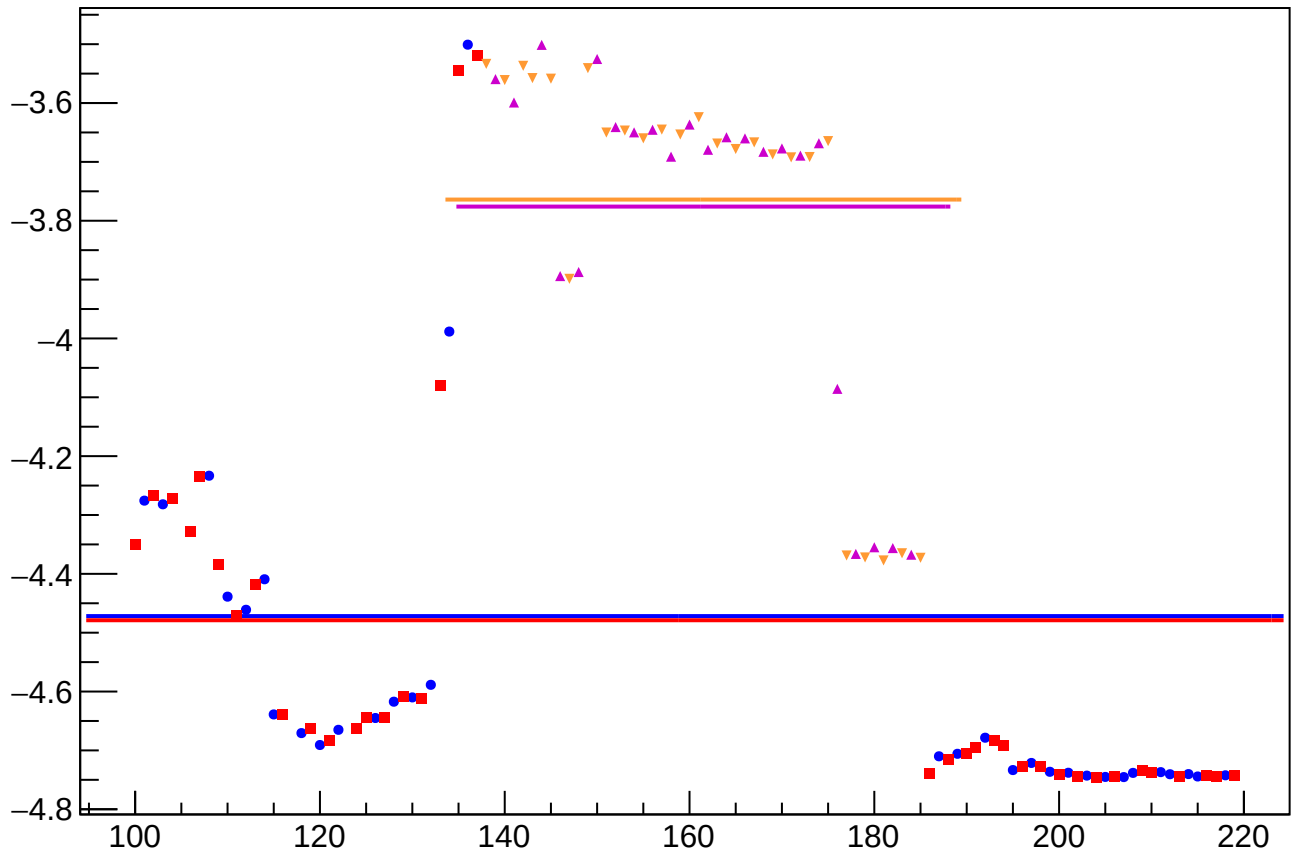
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:234679.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11469318.6/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 23680475.0/116

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 12206624.2/59

yield_bpm2i01Y_mean vs Slug



Right In: -4.472+/-0.000 χ^2 /NDF: 454084366654.0/31

Left Out: -3.764+/-0.000 χ^2 /NDF: 483461311370.8/24

Right Out: -4.479+/-0.000 χ^2 /NDF: 403930252342.3/36

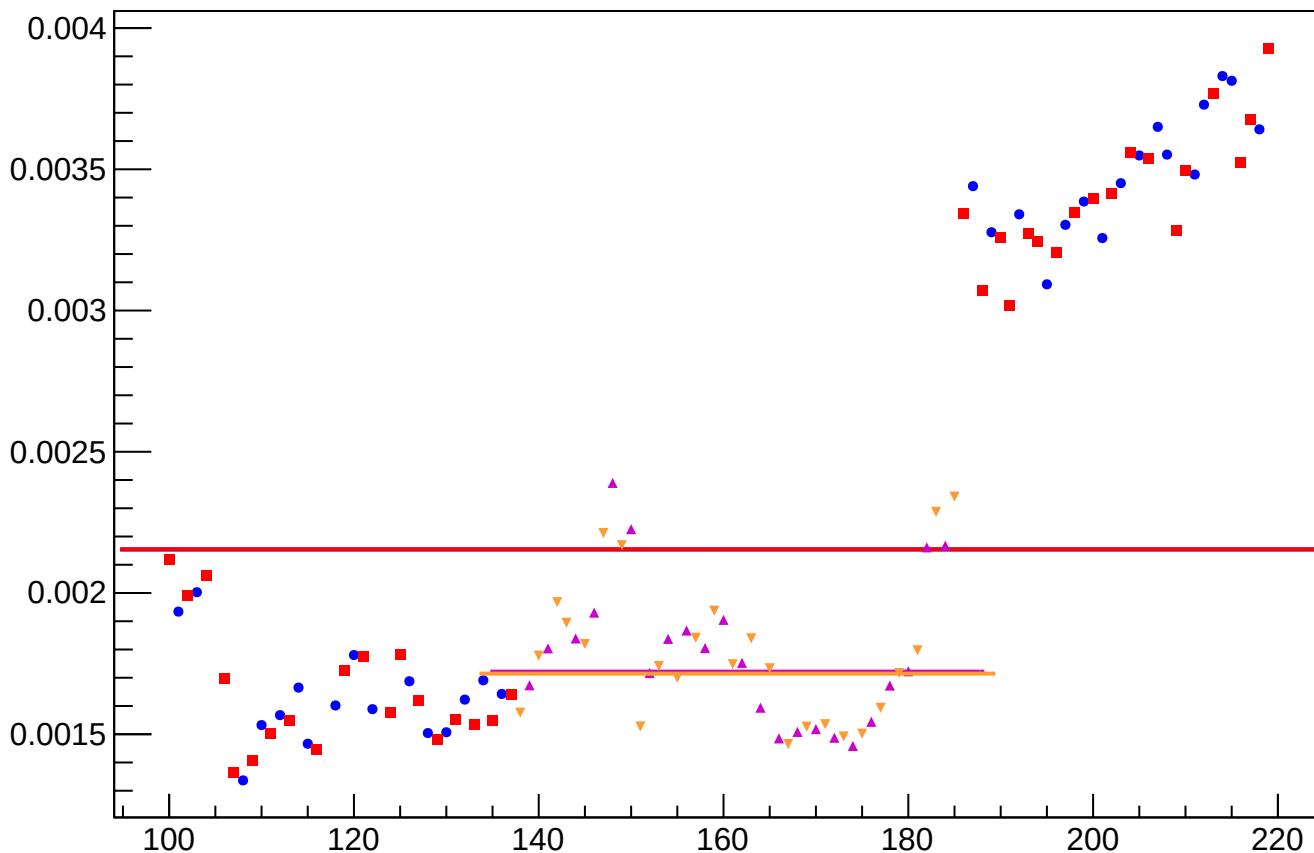
Left In: -3.776+/-0.000 χ^2 /NDF: 402659987166.3/22

+ sign -4.025+/-0.000 χ^2 /NDF: 2101536024553.0/5

All: -4.041+/-0.000 χ^2 /NDF: 4083582098509

- sign -4.057+/-0.000 χ^2 /NDF: 1976928528832.4/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 5412100.6/31

Left Out: 0.002+/-0.000 χ^2/NDF : 562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF : 5677881.4/36

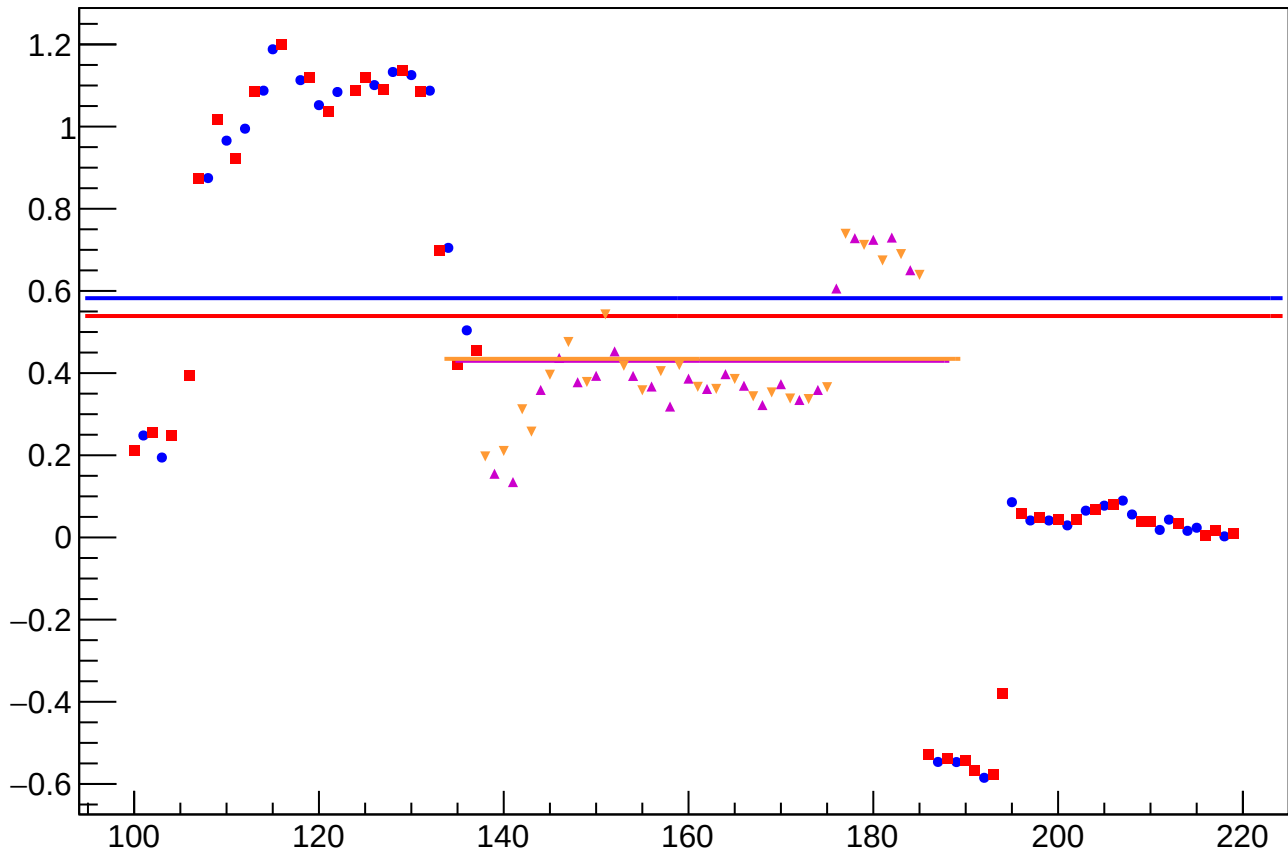
Left In: 0.002+/-0.000 χ^2/NDF : 581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 6872155.8/56

All: 0.002+/-0.000 χ^2/NDF : 14023930.5/116

- sign 0.002+/-0.000 χ^2/NDF : 7148476.5/59

yield_bpm2i02X_mean vs Slug



Right In: 0.582 $\pm$ 0.000 χ^2 /NDF: 77472552710.7/31

Left Out: 0.435 $\pm$ 0.000 χ^2 /NDF: 8515333254.7/24

Right Out: 0.539 $\pm$ 0.000 χ^2 /NDF: 96034049389.7/36

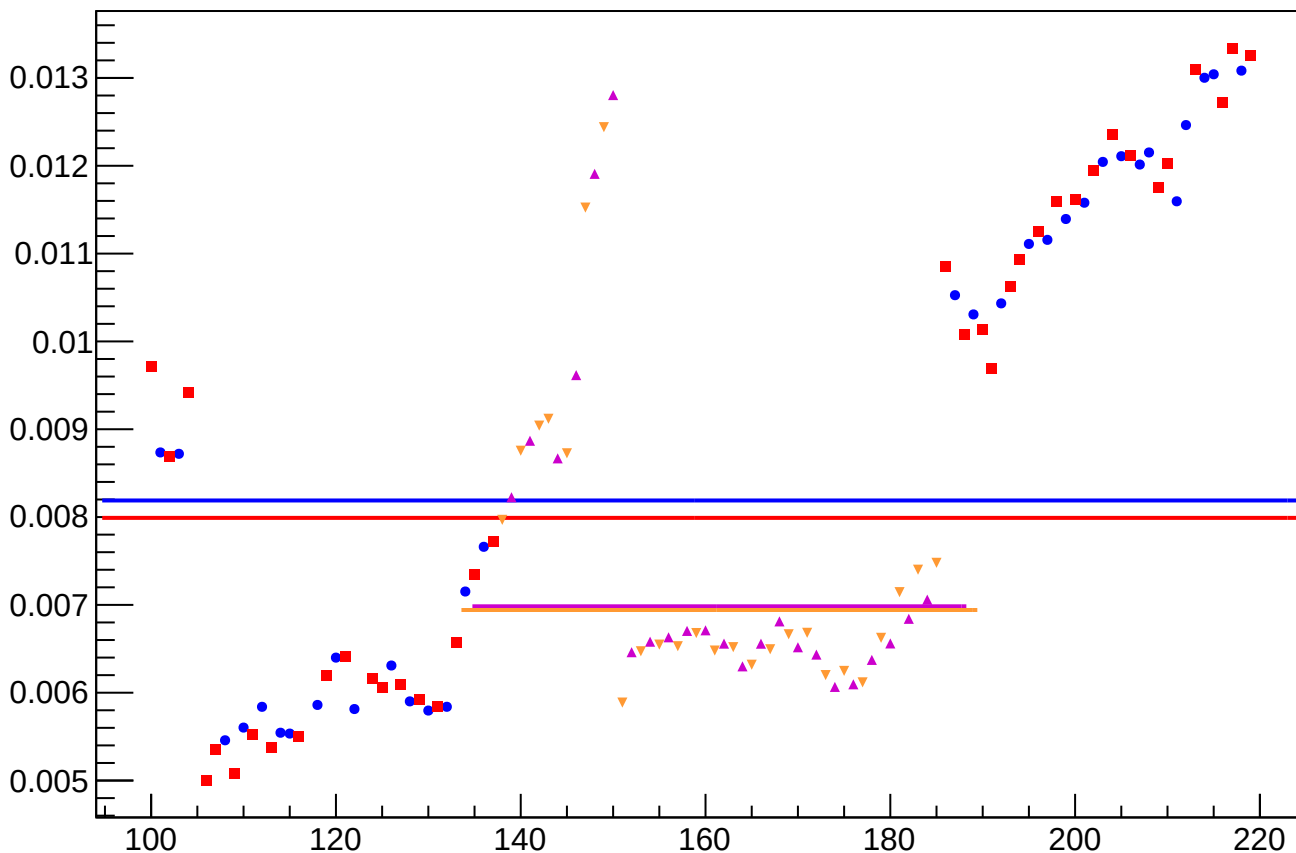
Left In: 0.430 $\pm$ 0.000 χ^2 /NDF: 9041195997.1/22

+ sign 0.495 $\pm$ 0.000 χ^2 /NDF: 89447346344.0/56

All: 0.487 $\pm$ 0.000 χ^2 /NDF: 196550261653.7

- sign 0.479 $\pm$ 0.000 χ^2 /NDF: 107017914076.4/59

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 4034100.2/31

Left Out: 0.007+/-0.000 χ^2/NDF :1090916.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 4739159.4/36

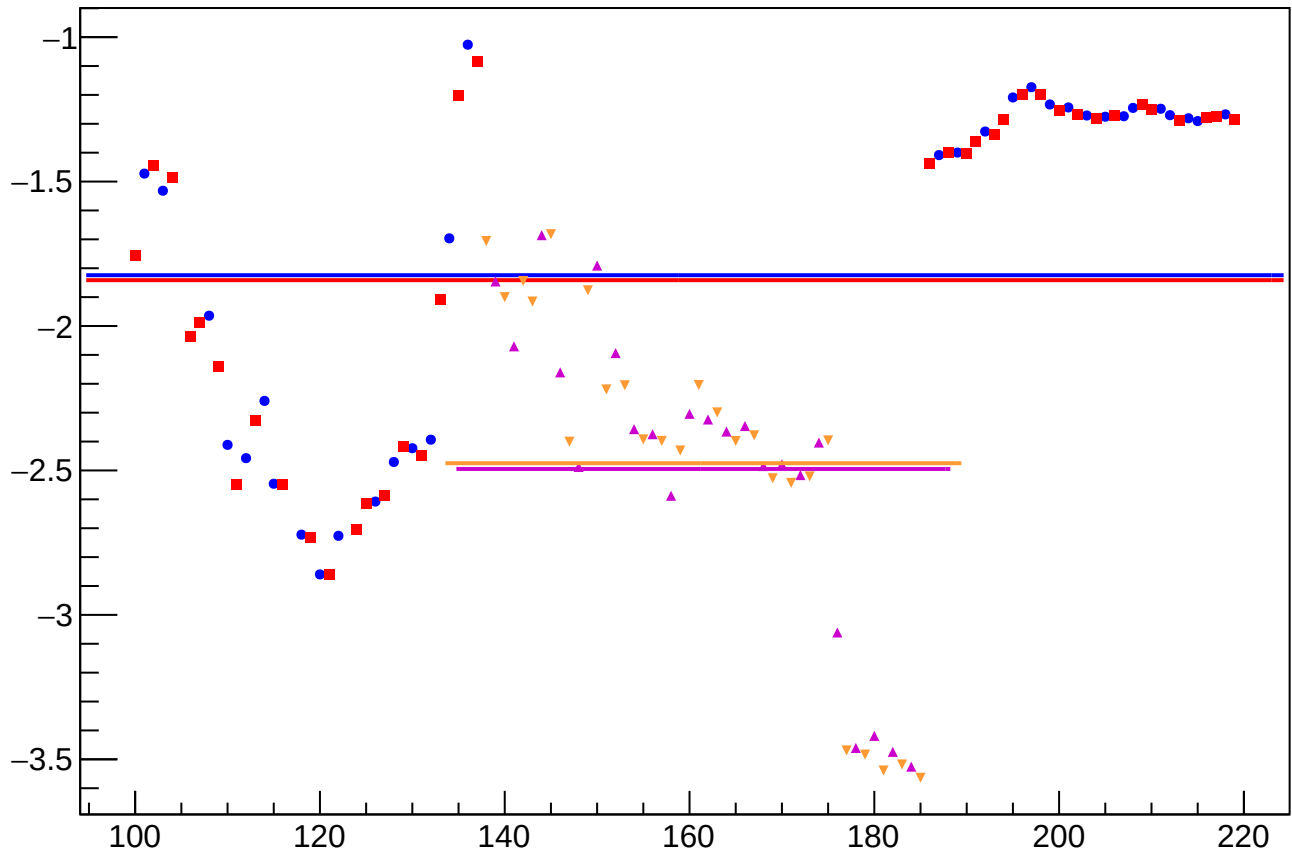
Left In: 0.007+/-0.000 χ^2/NDF :1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 5618768.9/56

All: 0.007+/-0.000 χ^2/NDF : 11825897.5/116

- sign 0.007+/-0.000 χ^2/NDF : 6206996.2/59

yield_bpm2i02Y_mean vs Slug



Right In: -1.824+/-0.000 χ^2 /NDF: 123300150078.8/31

Left Out: -2.475+/-0.000 χ^2 /NDF: 122955897541.5/24

Right Out: -1.841+/-0.000 χ^2 /NDF: 122134299420.0/36

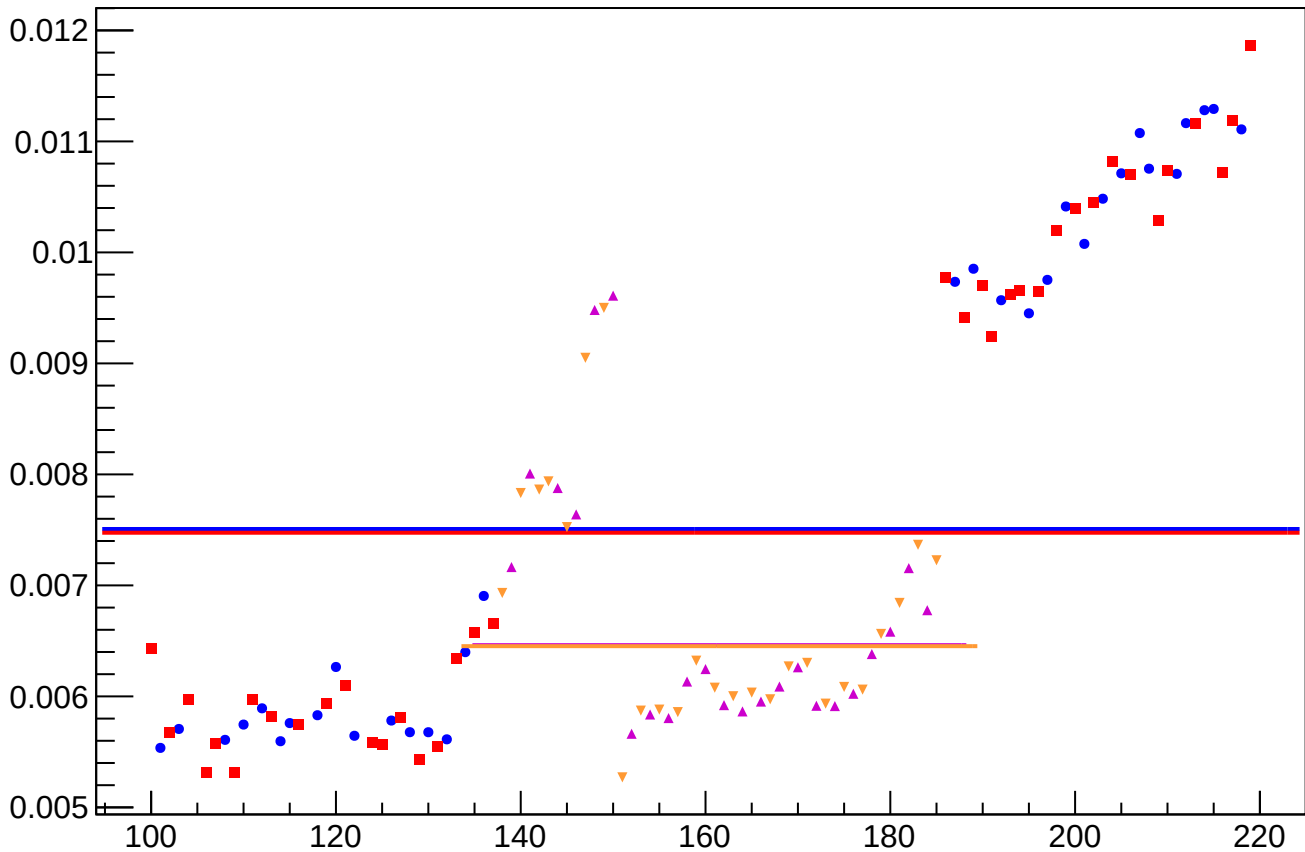
Left In: -2.495+/-0.000 χ^2 /NDF: 96774638297.6/22

+ sign -2.202+/-0.000 χ^2 /NDF: 326885110520.9/56

All: -2.201+/-0.000 χ^2 /NDF: 628509363057.1

- sign -2.200+/-0.000 χ^2 /NDF: 301621791802.9/59

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 3330818.2/31

Left Out: 0.006+/-0.000 χ^2/NDF : 713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 3531740.4/36

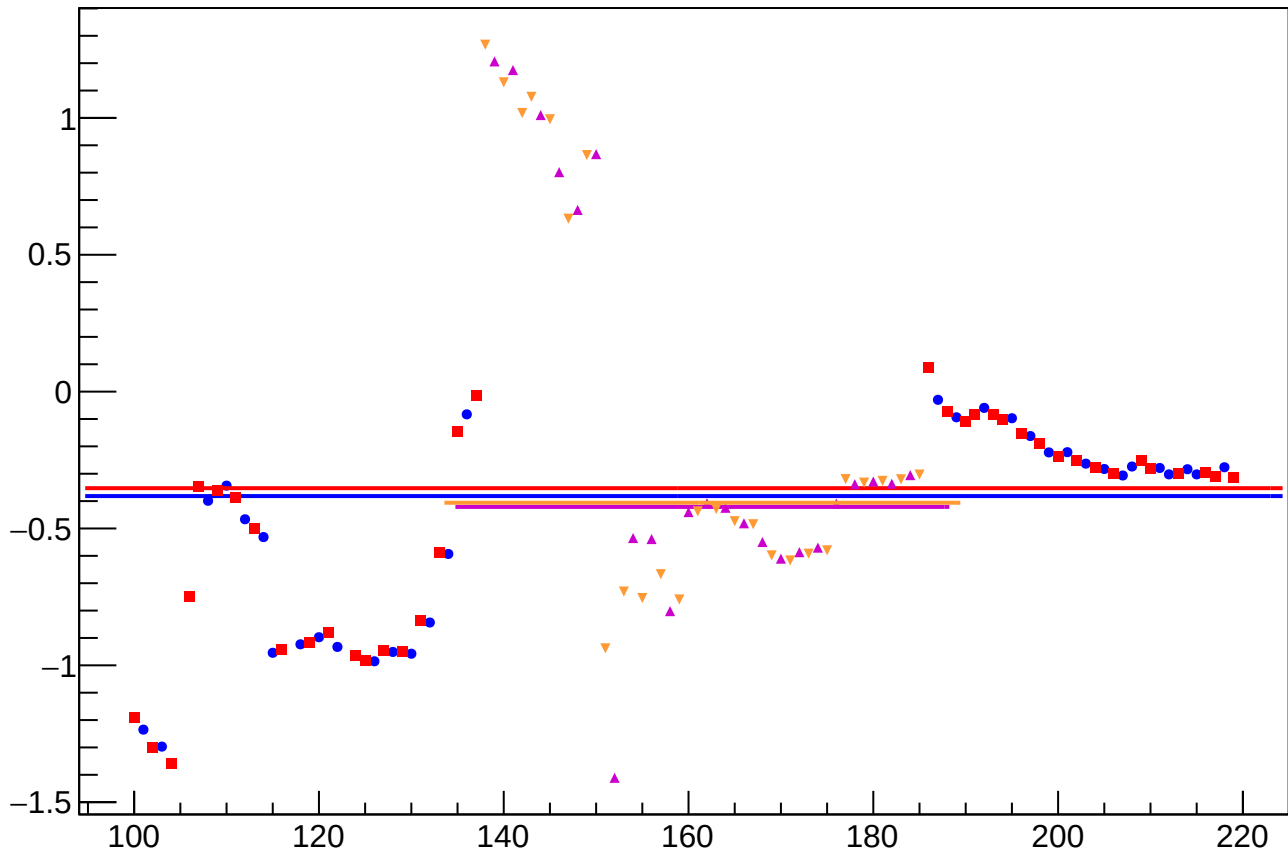
Left In: 0.006+/-0.000 χ^2/NDF : 720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 4468352.2/56

All: 0.007+/-0.000 χ^2/NDF : 9118741.0/116

- sign 0.007+/-0.000 χ^2/NDF : 4649933.9/59

yield_bpm0i01X_mean vs Slug



Right In: -0.382 ± 0.000 χ^2/NDF : 24777199595.3/31

Left Out: -0.406 ± 0.000 χ^2/NDF : 81633647828.2/24

Right Out: -0.353 ± 0.000 χ^2/NDF : 27377182395.5/36

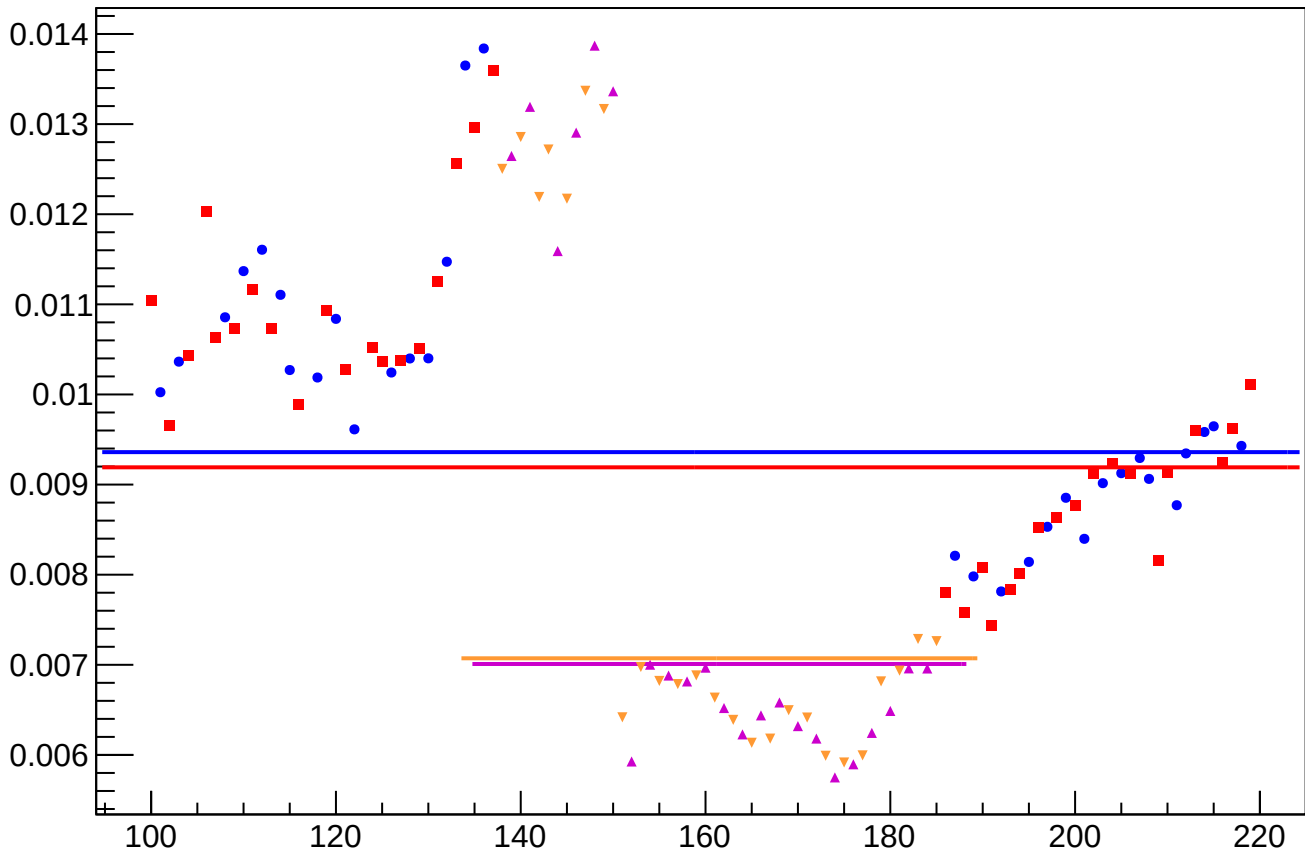
Left In: -0.421 ± 0.000 χ^2/NDF : 90241717621.7/22

+ sign -0.397 ± 0.000 χ^2/NDF : 106492049599.5/56

All: -0.395 ± 0.000 χ^2/NDF : 224783702888.4

- sign -0.393 ± 0.000 χ^2/NDF : 118286963203.1/59

yield_bpm0i01X_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 638647.6/31

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:2384159.5/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 722612.9/36

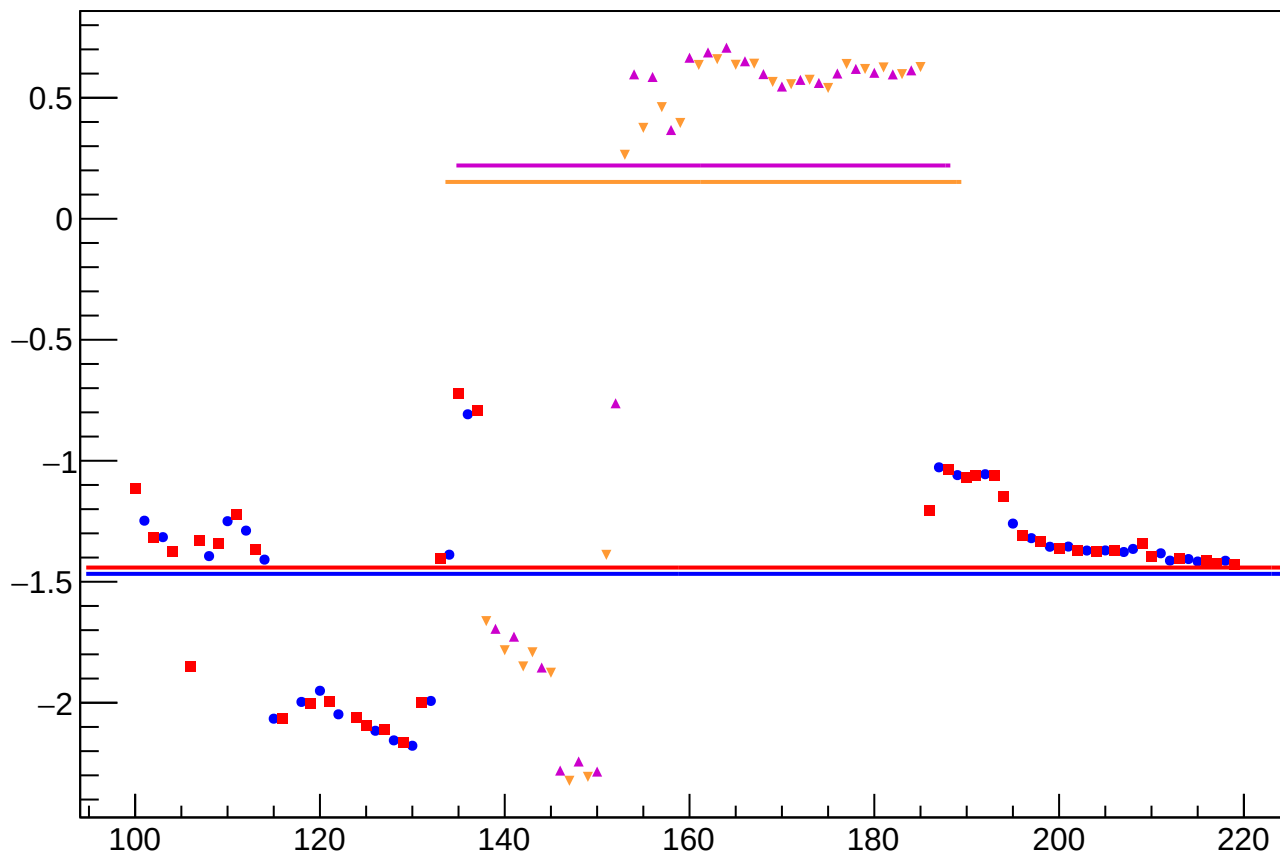
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:2456348.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 4456235.4/56

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 8995387.3/116

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 4538550.5/59

yield_bpm0i01Y_mean vs Slug



Right In: -1.467 ± 0.000 χ^2/NDF : 183983160727.5/31

Left Out: 0.152 ± 0.000 χ^2/NDF : 2398778835341.2/24

Right Out: -1.441 ± 0.000 χ^2/NDF : 172718514427.3/36

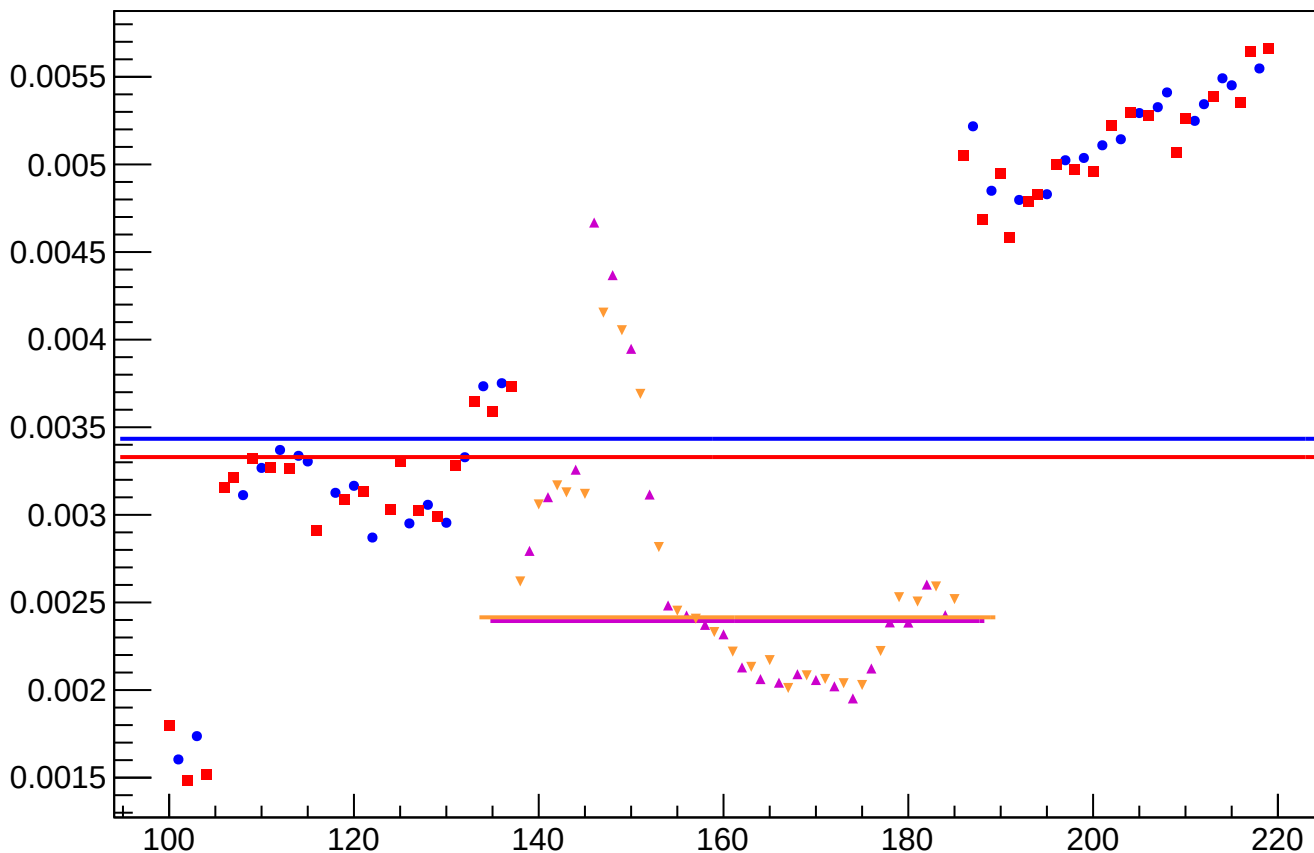
Left In: 0.220 ± 0.000 χ^2/NDF : 2121977245985.6/22

+ sign -0.371 ± 0.000 χ^2/NDF : 5062170393816.5/5

All: -0.371 ± 0.000 χ^2/NDF : 1009587883577

- sign -0.371 ± 0.000 χ^2/NDF : 5033708380473.4/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 5520013.7/31

Left Out: 0.002+/-0.000 χ^2/NDF :1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF : 6657035.9/36

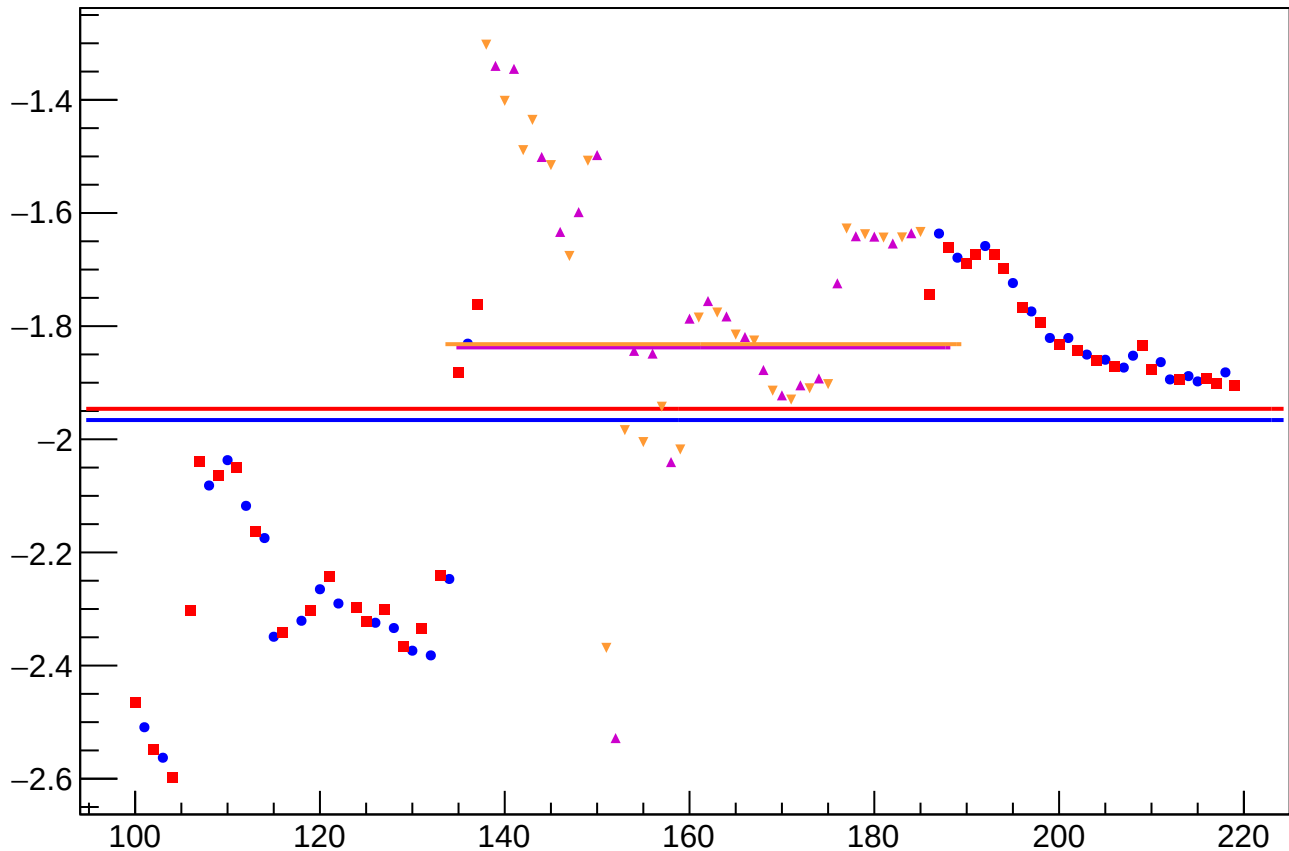
Left In: 0.002+/-0.000 χ^2/NDF :1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF : 8703311.8/56

All: 0.003+/-0.000 χ^2/NDF : 18508771.4/116

- sign 0.003+/-0.000 χ^2/NDF : 9804176.4/59

yield_bpm0i01aX_mean vs Slug



Right In: -1.966+/-0.000 χ^2/NDF : 34299460584.2/31

Left Out: -1.832+/-0.000 χ^2/NDF : 38365576589.1/24

Right Out: -1.946+/-0.000 χ^2/NDF : 38137914547.5/36

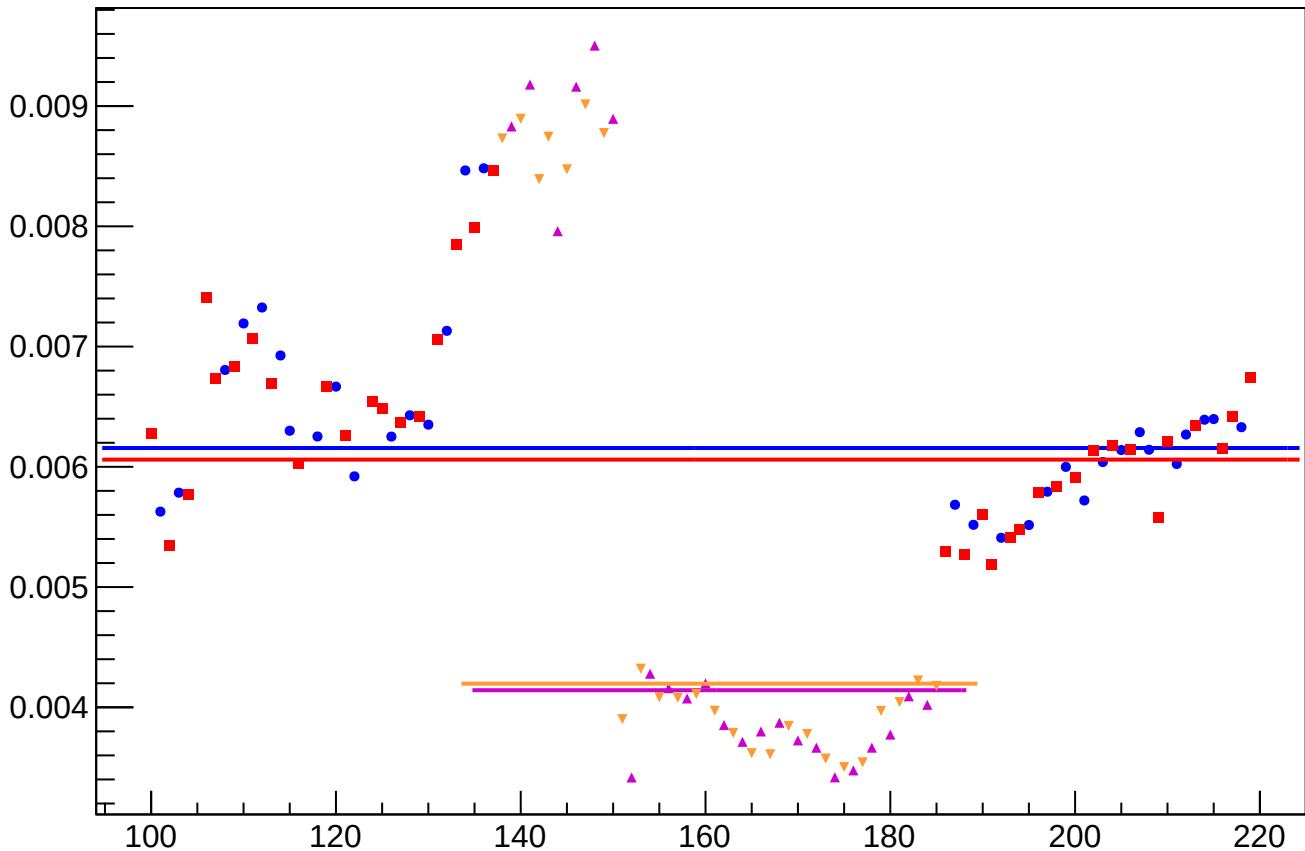
Left In: -1.838+/-0.000 χ^2/NDF : 53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF : 78725566464.0/56

All: -1.878+/-0.000 χ^2/NDF : 174460280279.6

- sign -1.878+/-0.000 χ^2/NDF : 95734697740.7/59

yield_bpm0i01aX_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 375521.7/31

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:3091489.2/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 421651.8/36

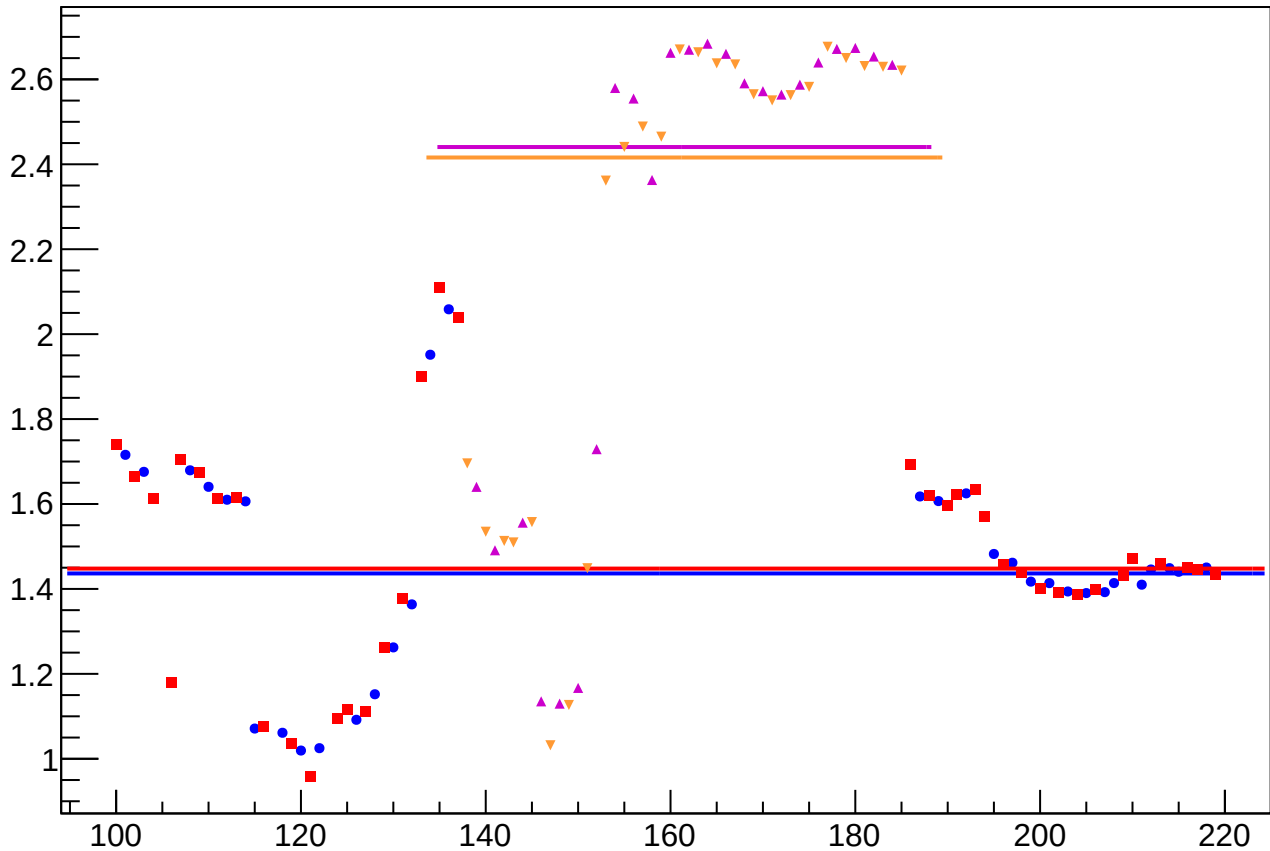
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:3193924.3/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 6054910.3/56

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 12268257.2/116

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 6213147.0/59

yield_bpm0i01aY_mean vs Slug



Right In: 1.436 $\pm$ 0.000 χ^2 /NDF: 191510705034.6/31

Left Out: 2.416 $\pm$ 0.000 χ^2 /NDF: 242949391498.0/24

Right Out: 1.448 $\pm$ 0.000 χ^2 /NDF: 186655480416.9/36

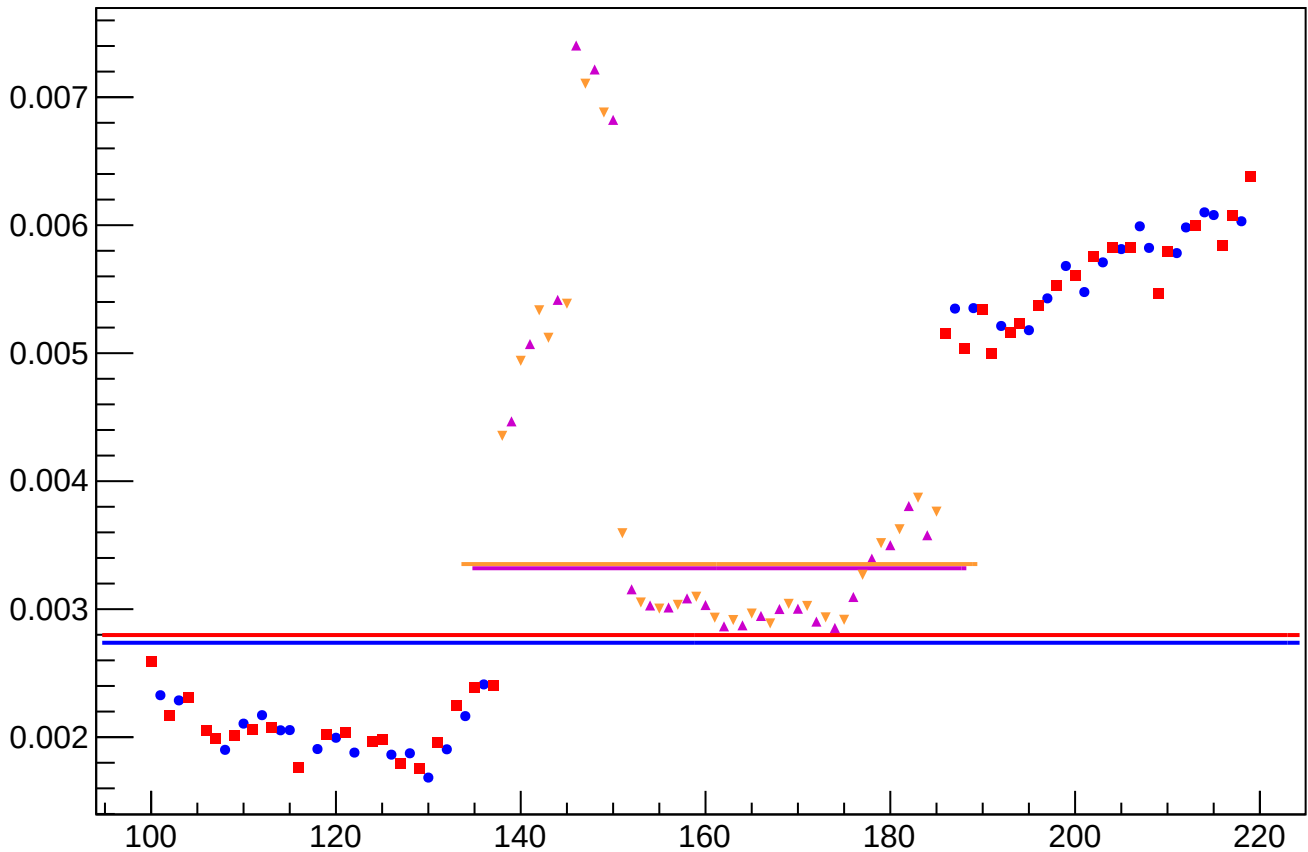
Left In: 2.441 $\pm$ 0.000 χ^2 /NDF: 231724954471.8/22

+ sign 1.862 $\pm$ 0.000 χ^2 /NDF: 1277032059977.3/56

All: 1.862 $\pm$ 0.000 χ^2 /NDF: 2547847843296.

- sign 1.861 $\pm$ 0.000 χ^2 /NDF: 1270814957278.6/59

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 8764818.8/31

Left Out: 0.003+/-0.000 χ^2/NDF :1819921.4/24

Right Out: 0.003+/-0.000 χ^2/NDF : 9017591.4/36

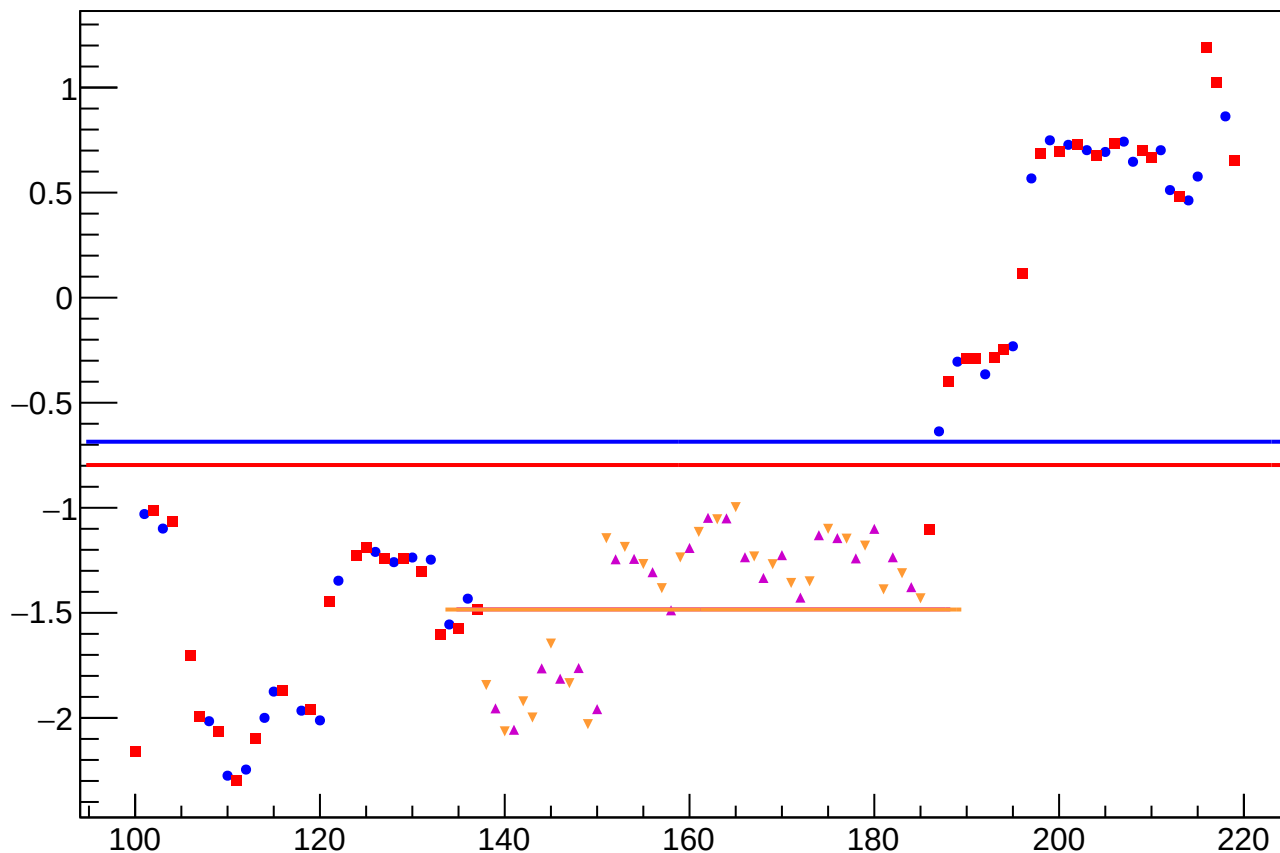
Left In: 0.003+/-0.000 χ^2/NDF :2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 11248644.4/56

All: 0.003+/-0.000 χ^2/NDF : 22793294.7/116

- sign 0.003+/-0.000 χ^2/NDF : 11544258.8/59

yield_bpm0l01X_mean vs Slug



Right In: -0.686 ± 0.000 $\chi^2/\text{NDF}: 264506372568.9/31$

Left Out: -1.484 ± 0.000 $\chi^2/\text{NDF}: 48438764764.6/24$

Right Out: -0.796 ± 0.000 $\chi^2/\text{NDF}: 314680494926.5/36$

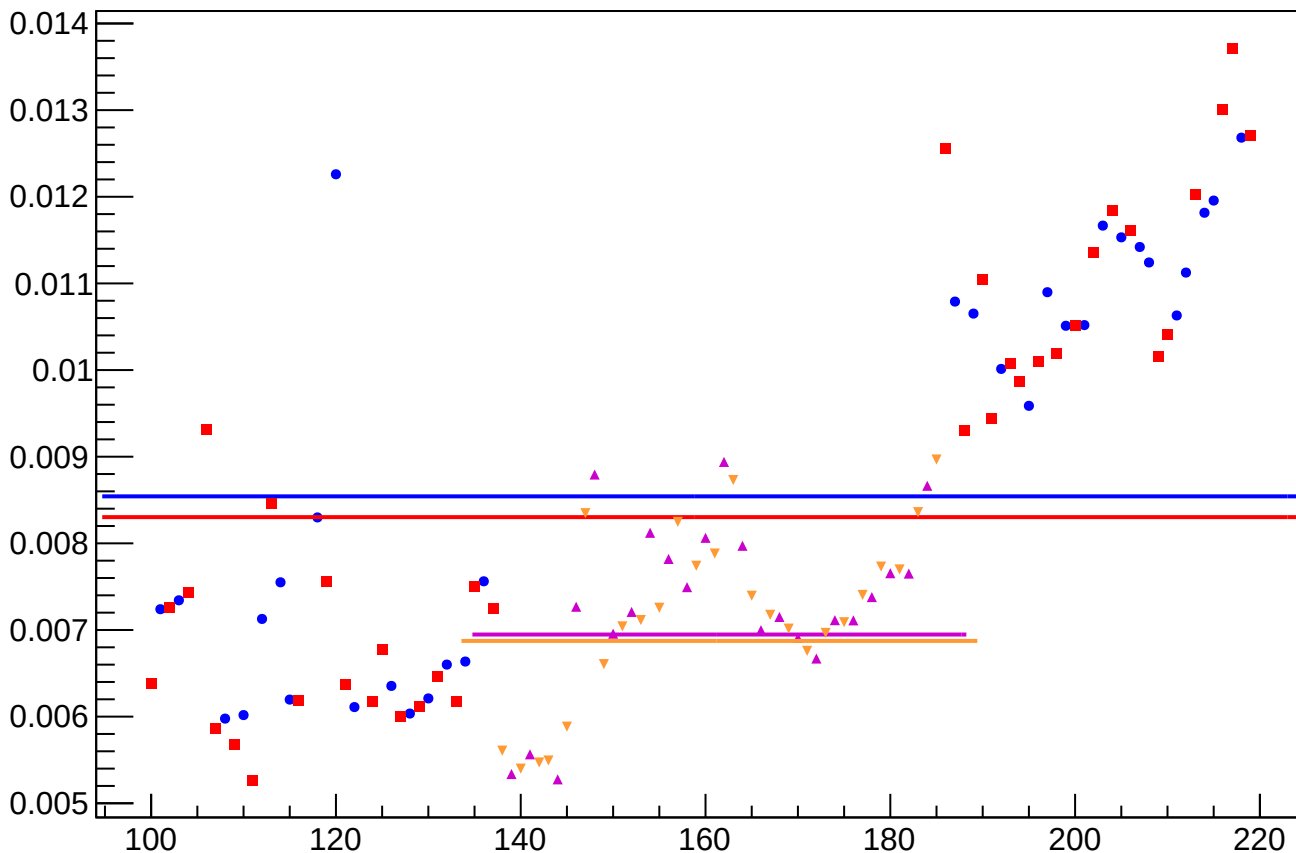
Left In: -1.483 ± 0.000 $\chi^2/\text{NDF}: 40353431150.9/22$

+ sign -1.173 ± 0.000 $\chi^2/\text{NDF}: 408301574146.2/56$

All: -1.177 ± 0.000 $\chi^2/\text{NDF}: 836436898364.7$

- sign -1.182 ± 0.000 $\chi^2/\text{NDF}: 428109614523.6/59$

yield_bpm0l01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2491383.5/31

Left Out: 0.007+/-0.000 χ^2/NDF : 745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3066582.4/36

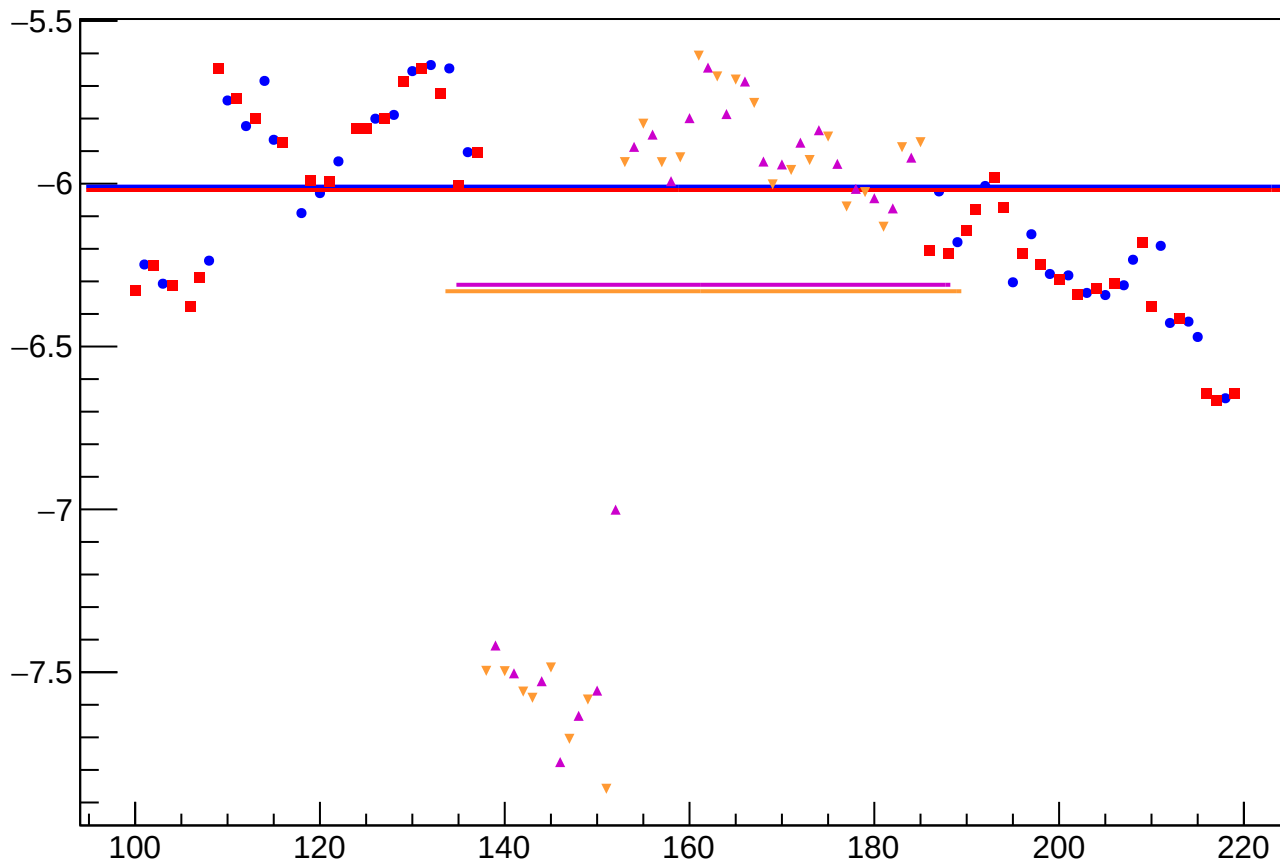
Left In: 0.007+/-0.000 χ^2/NDF : 746731.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 4069189.2/56

All: 0.008+/-0.000 χ^2/NDF : 8451392.3/116

- sign 0.008+/-0.000 χ^2/NDF : 4382003.0/59

yield_bpm0l01Y_mean vs Slug



Right In: -6.009 $\pm$ 0.000 χ^2 /NDF: 19792528731.0/31

Left Out: -6.330 $\pm$ 0.000 χ^2 /NDF: 110328634370.4/24

Right Out: -6.019 $\pm$ 0.000 χ^2 /NDF: 21938421647.7/36

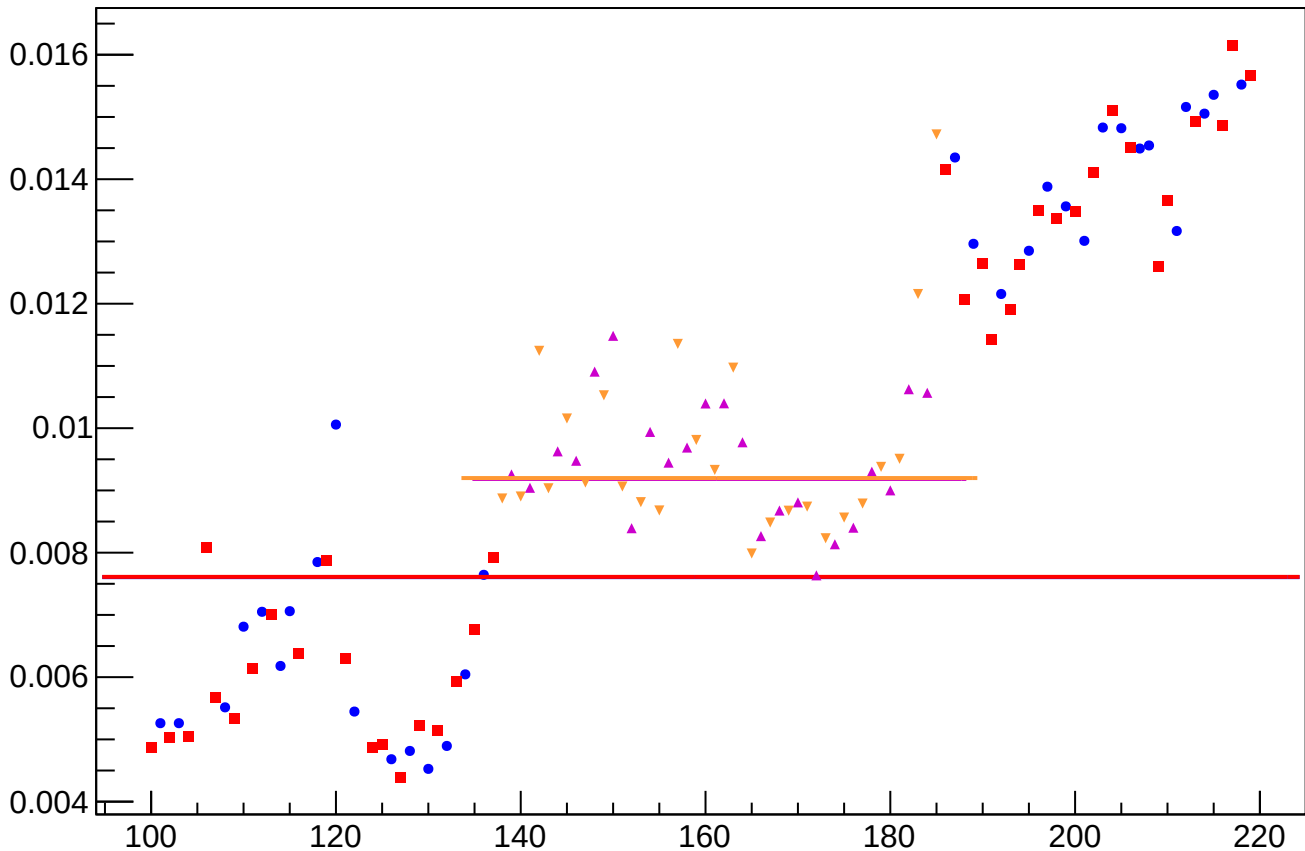
Left In: -6.310 $\pm$ 0.000 χ^2 /NDF: 91689184100.9/22

+ sign -6.144 $\pm$ 0.000 χ^2 /NDF: 141506063876.0/56

All: -6.139 $\pm$ 0.000 χ^2 /NDF: 264561895114.8

- sign -6.134 $\pm$ 0.000 χ^2 /NDF: 123028776405.9/59

yield_bpm0l01Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7440989.8/31

Left Out: 0.009+/-0.000 χ^2/NDF : 367040.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 7574975.0/36

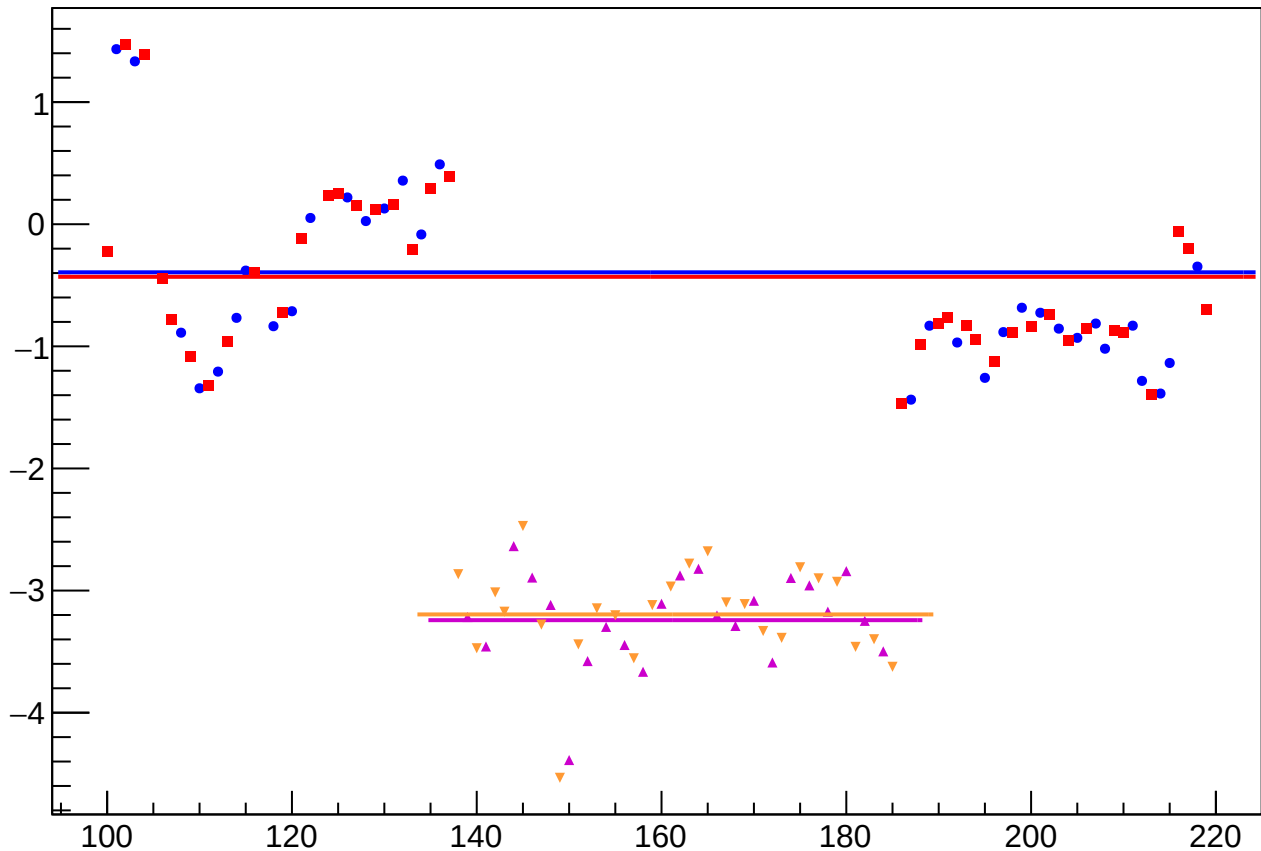
Left In: 0.009+/-0.000 χ^2/NDF : 319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF : 8367169.9/56

All: 0.008+/-0.000 χ^2/NDF : 16811728.3/116

- sign 0.008+/-0.000 χ^2/NDF : 8443429.5/59

yield_bpm0l02X_mean vs Slug



Right In: -0.394+/-0.000 χ^2/NDF : 39796299402.3/31

Left Out: -3.195+/-0.000 χ^2/NDF : 9538006171.4/24

Right Out: -0.431+/-0.000 χ^2/NDF : 38596198892.3/36

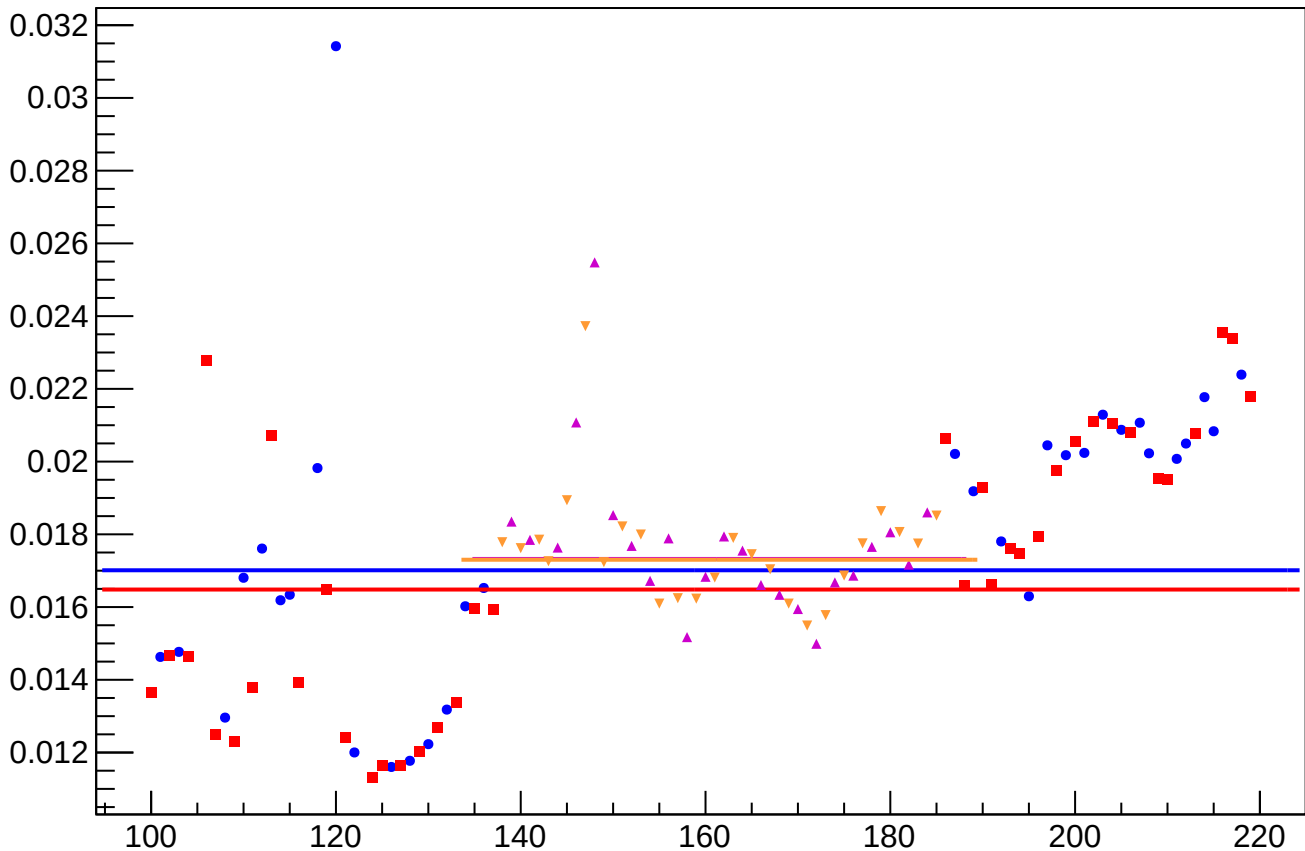
Left In: -3.242+/-0.000 χ^2/NDF : 7955956403.6/22

+ sign -1.780+/-0.000 χ^2/NDF : 295497204235.9/56

All: -1.731+/-0.000 χ^2/NDF : 598428118556.3

- sign -1.685+/-0.000 χ^2/NDF : 302351731025.2/59

yield_bpm0l02X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 1739796.6/31

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:218030.0/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 1948948.4/36

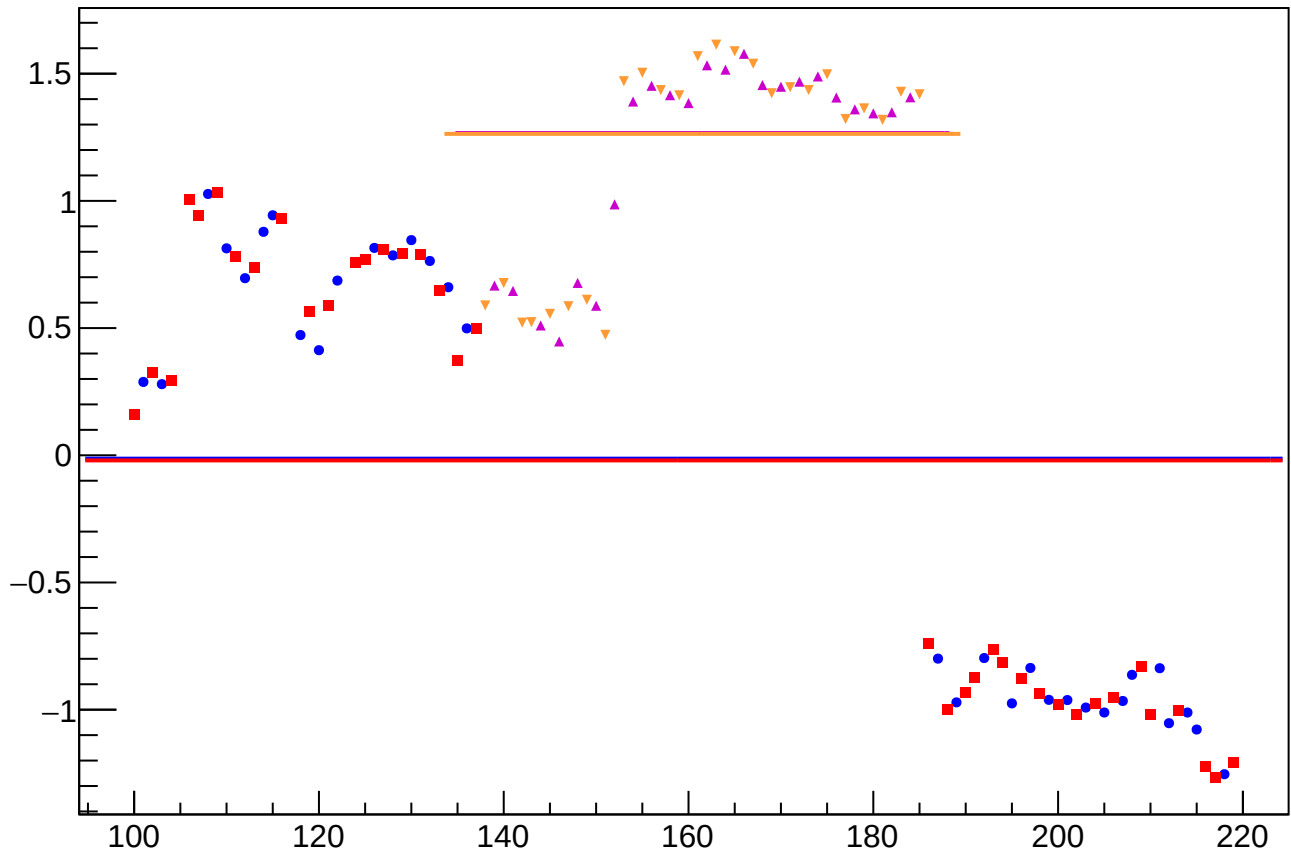
Left In: 0.017 $\pm$ 0.000 χ^2 /NDF:329879.6/22

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 1963084.4/56

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 4299067.7/116

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2324599.9/59

yield_bpm0l02Y_mean vs Slug



Right In: -0.013 ± 0.000 $\chi^2/\text{NDF}: 98754303837.0/31$

Left Out: 1.263 ± 0.000 $\chi^2/\text{NDF}: 45594559273.0/24$

Right Out: -0.020 ± 0.000 $\chi^2/\text{NDF}: 112625256755.3/36$

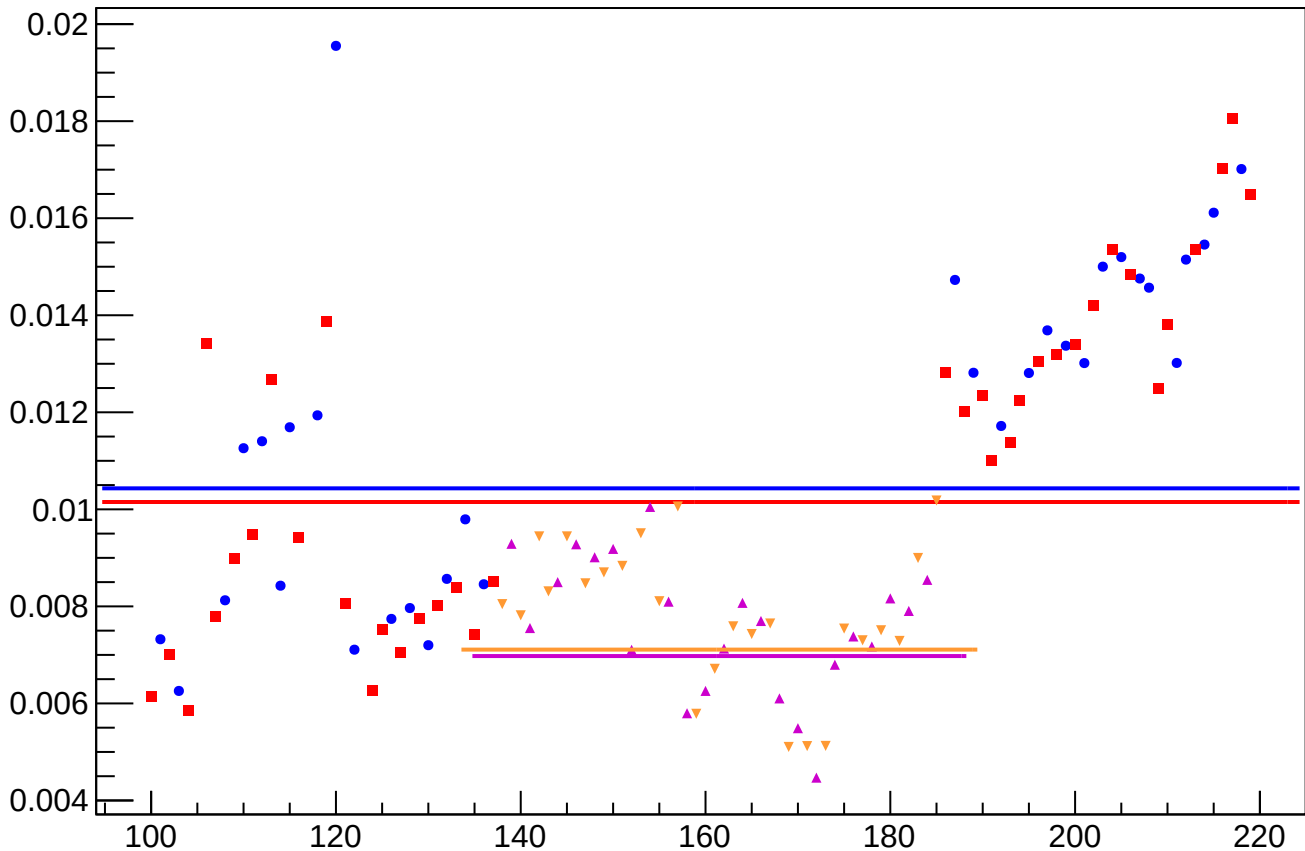
Left In: 1.267 ± 0.000 $\chi^2/\text{NDF}: 37614918579.9/22$

+ sign 0.857 ± 0.000 $\chi^2/\text{NDF}: 319104987875.7/56$

All: 0.838 ± 0.000 $\chi^2/\text{NDF}: 661335819442.1$

- sign 0.821 ± 0.000 $\chi^2/\text{NDF}: 341905571948.6/59$

yield_bpm0l02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 3528802.2/31

Left Out: 0.007+/-0.000 χ^2/NDF :1519295.8/24

Right Out: 0.010+/-0.000 χ^2/NDF : 3873201.8/36

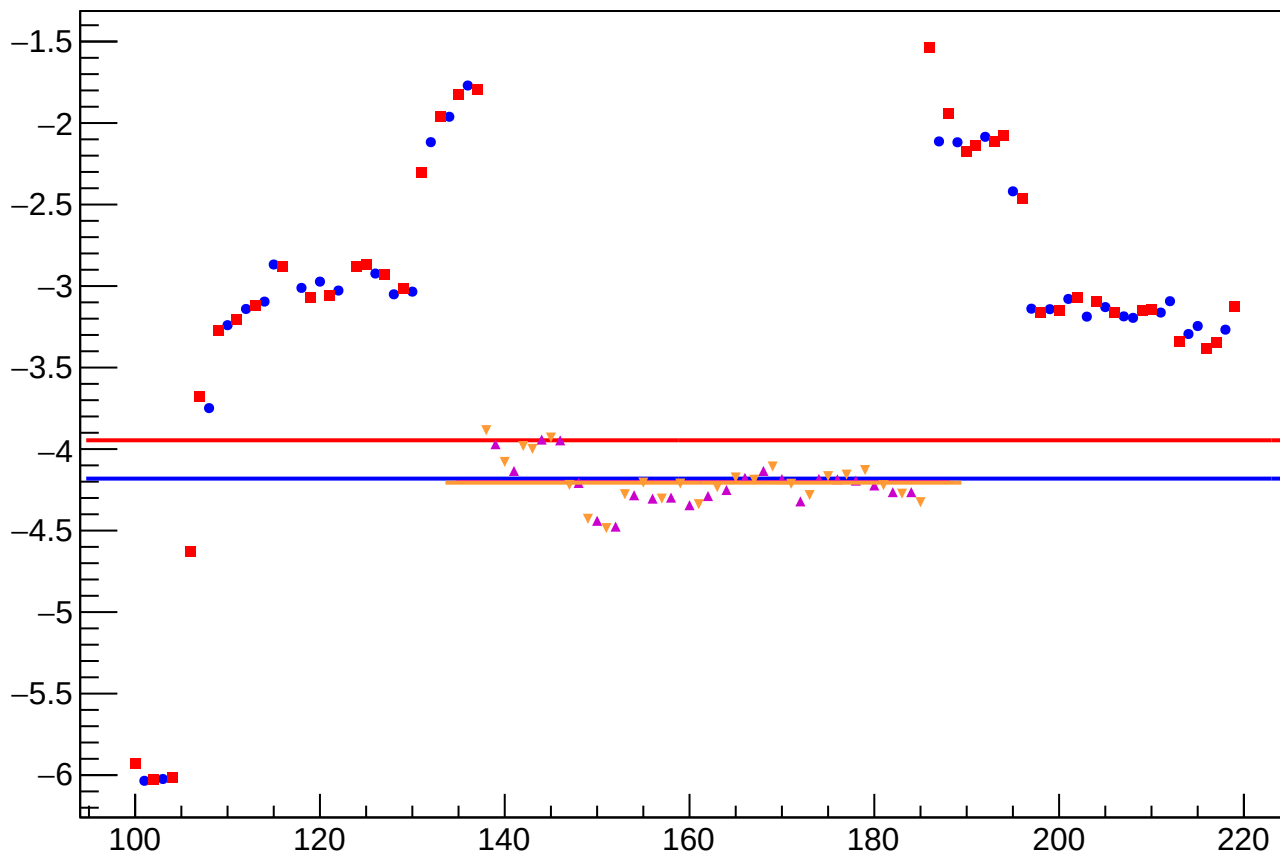
Left In: 0.007+/-0.000 χ^2/NDF :1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF : 7416569.1/56

All: 0.008+/-0.000 χ^2/NDF : 15084314.2/116

- sign 0.008+/-0.000 χ^2/NDF : 7663571.9/59

yield_bpm0l03X_mean vs Slug



Right In: -4.181 ± 0.000 $\chi^2/\text{NDF}: 302983506977.8/31$

Left Out: -4.206 ± 0.000 $\chi^2/\text{NDF}: 61558336.8/24$

Right Out: -3.946 ± 0.000 $\chi^2/\text{NDF}: 310726733358.5/36$

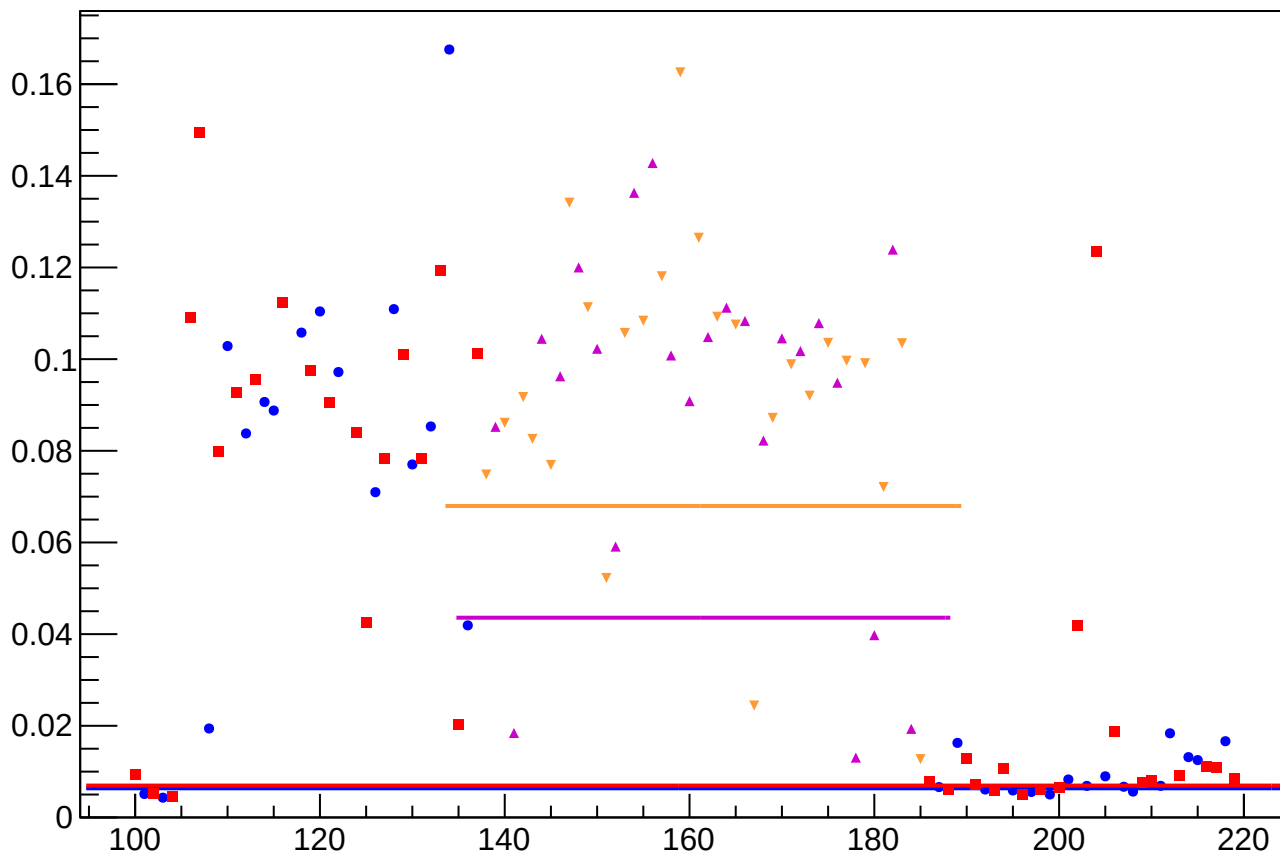
Left In: -4.202 ± 0.000 $\chi^2/\text{NDF}: 42747893.4/22$

+ sign -4.182 ± 0.000 $\chi^2/\text{NDF}: 303046683393.2/56$

All: -4.077 ± 0.000 $\chi^2/\text{NDF}: 617083884283.1$

- sign -3.956 ± 0.000 $\chi^2/\text{NDF}: 311026795214.1/59$

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 9606527.1/31

Left Out: 0.068 $\pm$ 0.000 χ^2 /NDF: 7631751.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10909047.3/36

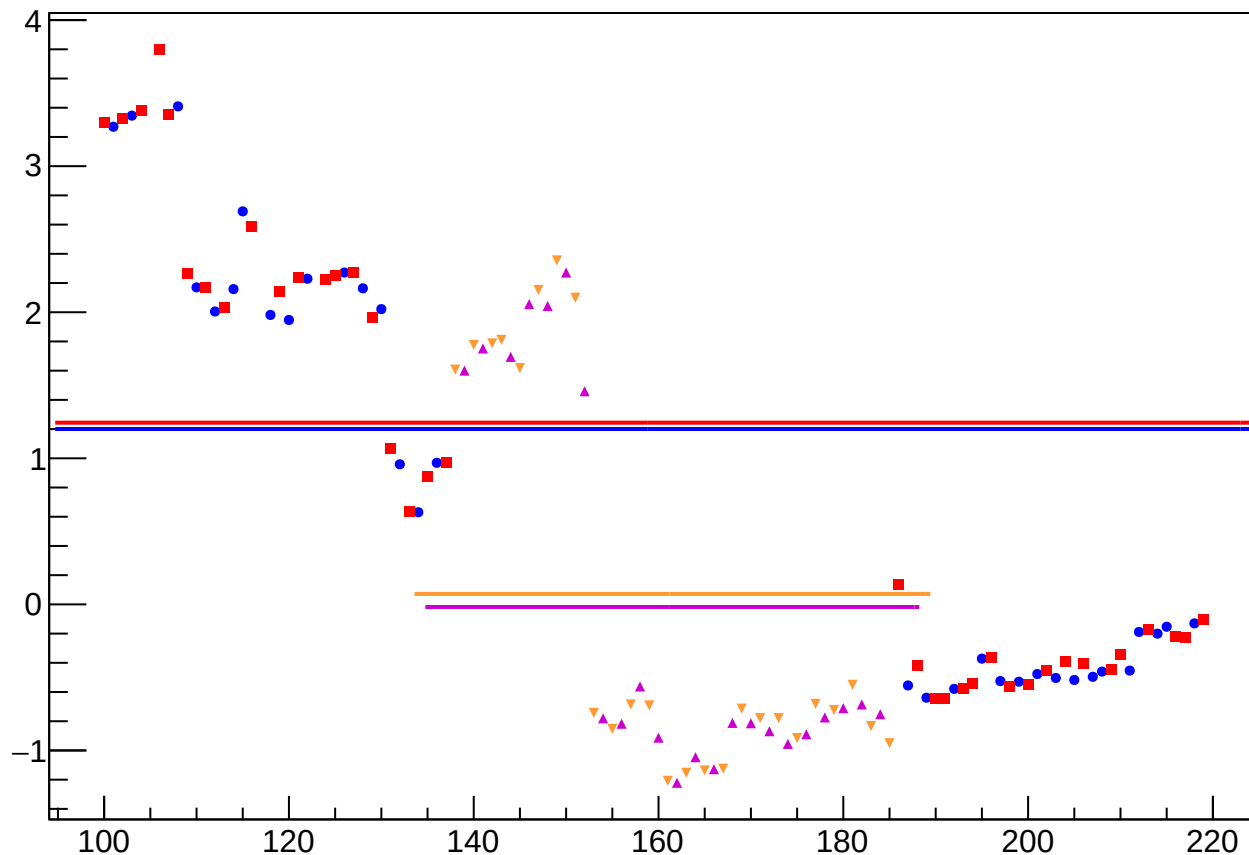
Left In: 0.044 $\pm$ 0.000 χ^2 /NDF: 12761920.2/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 37001818.1/56

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 71293392.5/116

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 34239388.5/59

yield_bpm0l03Y_mean vs Slug



Right In: 1.201 $\pm$ 0.000 χ^2 /NDF: 241326128399.5/31

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF: 3635027099.6/24

Right Out: 1.244 $\pm$ 0.000 χ^2 /NDF: 224654900209.0/36

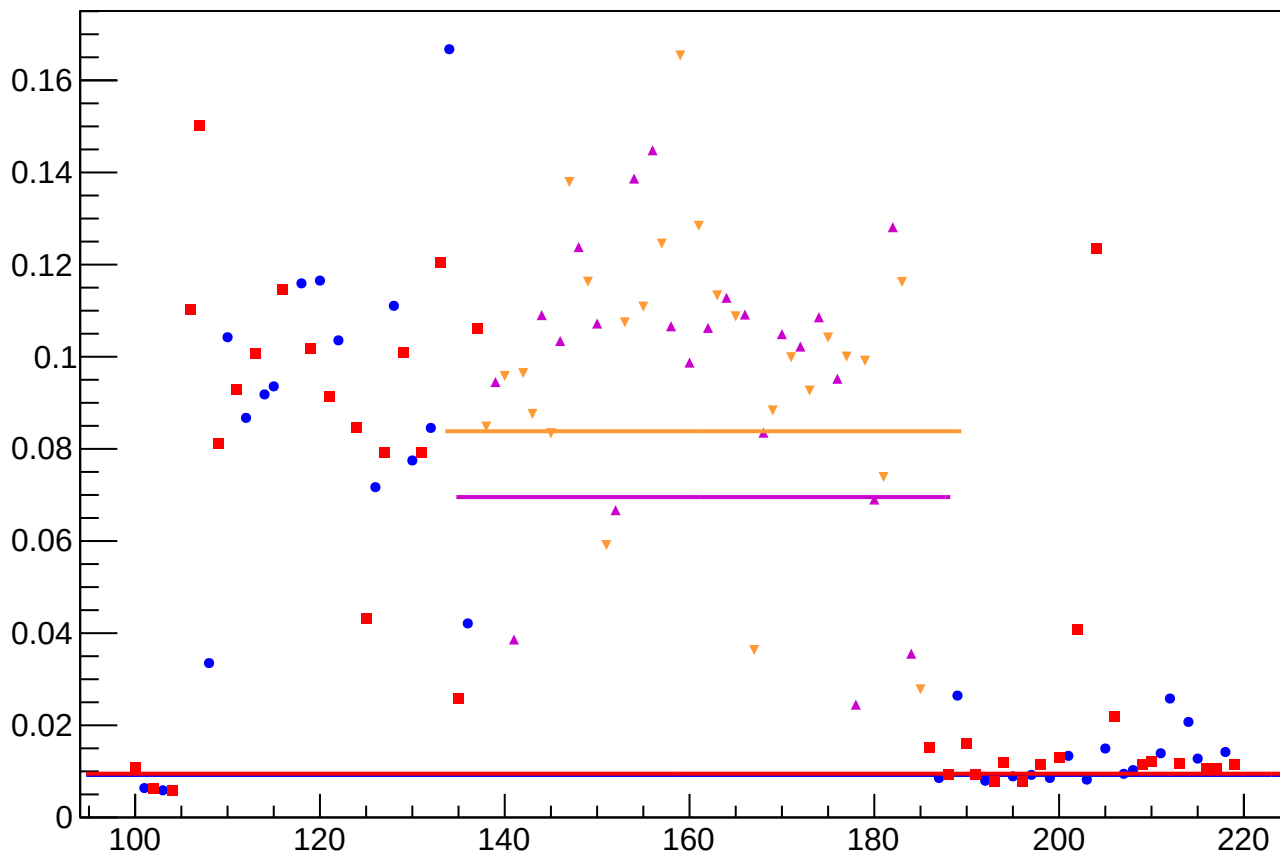
Left In: -0.018 $\pm$ 0.000 χ^2 /NDF: 3455714643.1/22

+ sign 1.168 $\pm$ 0.000 χ^2 /NDF: 247508763931.7/56

All: 1.184 $\pm$ 0.000 χ^2 /NDF: 479310543082.3

- sign 1.200 $\pm$ 0.000 χ^2 /NDF: 231766039959.7/59

yield_bpm0l03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 9386726.7/31

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:3830160.2/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 10552116.6/36

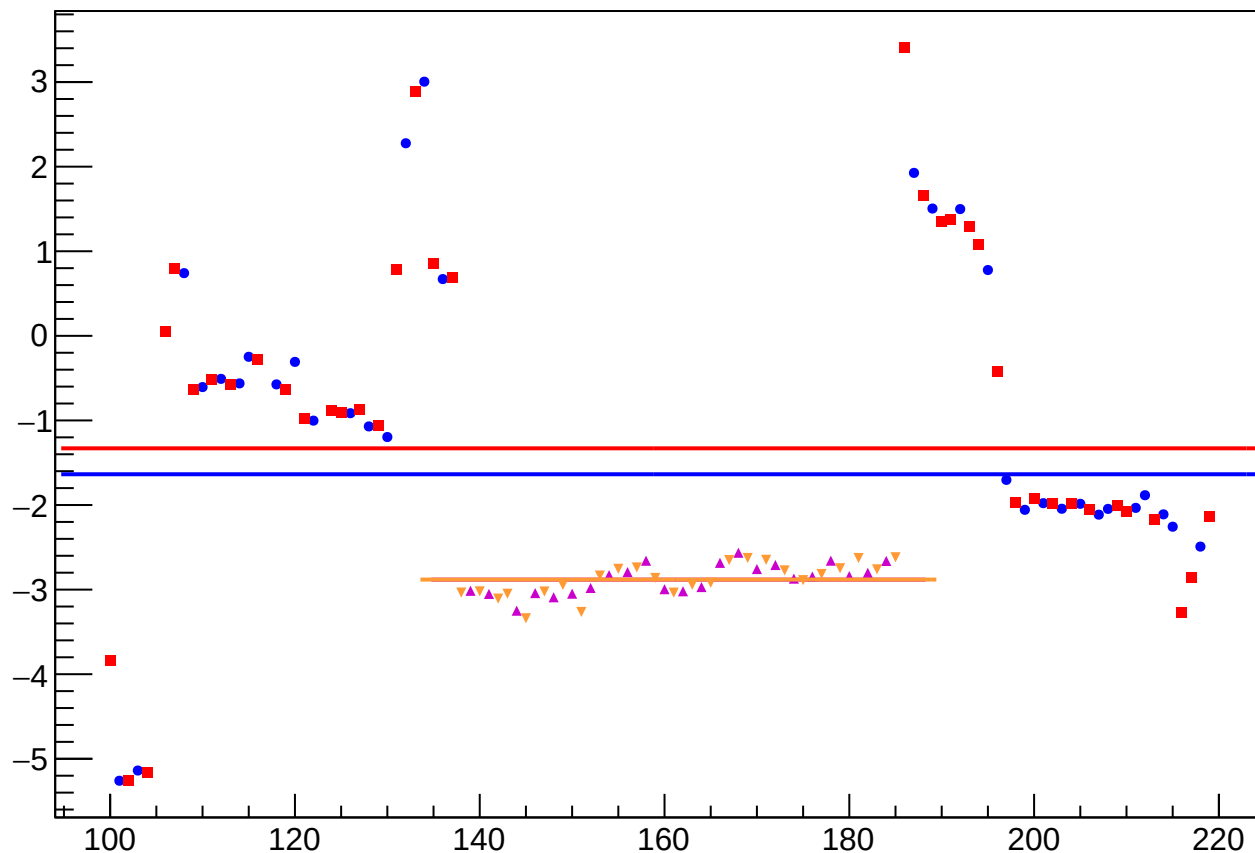
Left In: 0.070 $\pm$ 0.000 χ^2 /NDF:6697383.9/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 35459120.5/56

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 69260433.9/116

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 33798165.2/59

yield_bpm0l04X_mean vs Slug



Right In: -1.636+/-0.000 χ^2/NDF : 211057638685.4/31

Left Out: -2.881+/-0.000 χ^2/NDF : 10553050715.1/24

Right Out: -1.330+/-0.000 χ^2/NDF : 246180012537.6/36

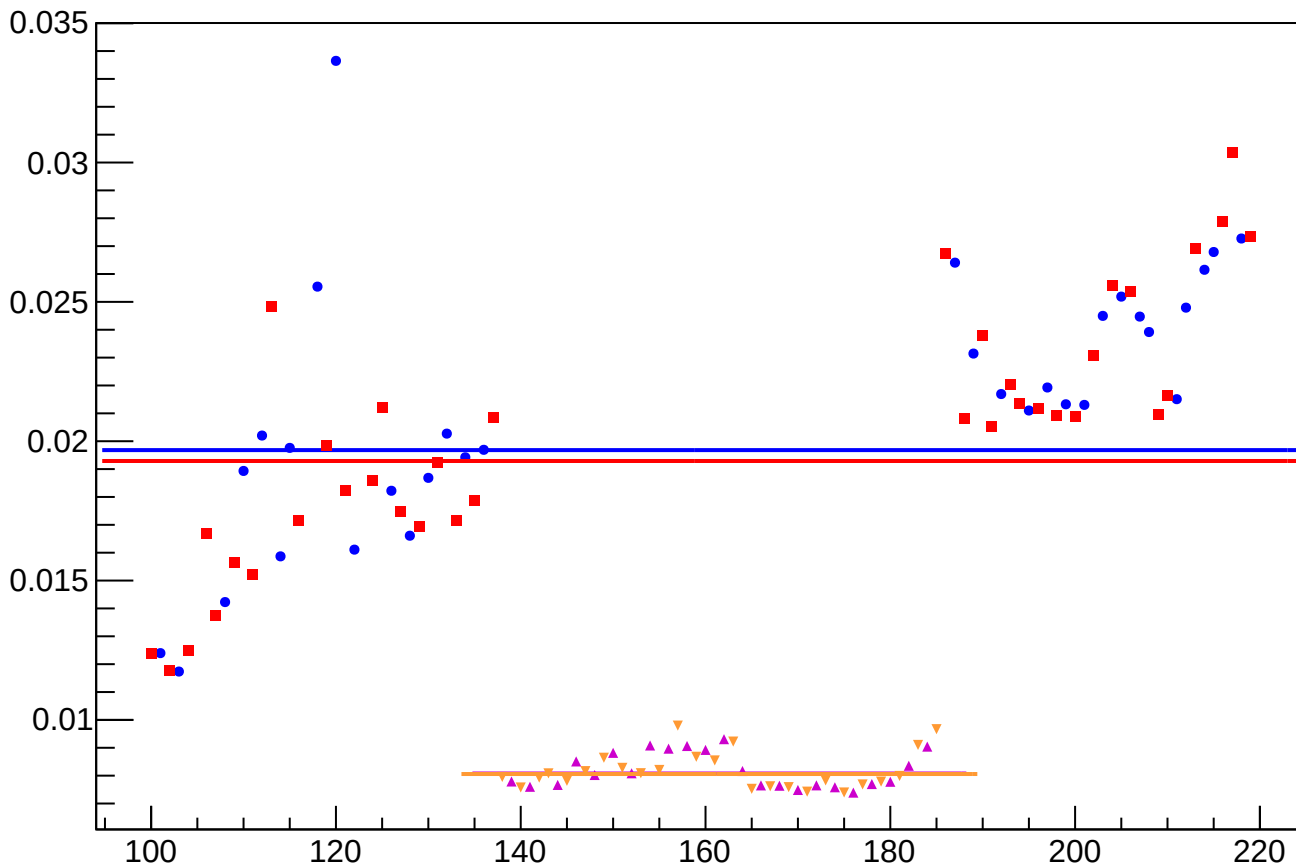
Left In: -2.882+/-0.000 χ^2/NDF : 8300047325.0/22

+ sign -2.710+/-0.000 χ^2/NDF : 282002967040.4/56

All: -2.673+/-0.000 χ^2/NDF : 640167727700.9

- sign -2.635+/-0.000 χ^2/NDF : 357246493504.4/59

yield_bpm0l04X_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 2135694.9/31

Left Out: 0.008+/-0.000 χ^2/NDF :185446.1/24

Right Out: 0.019+/-0.000 χ^2/NDF : 2231663.1/36

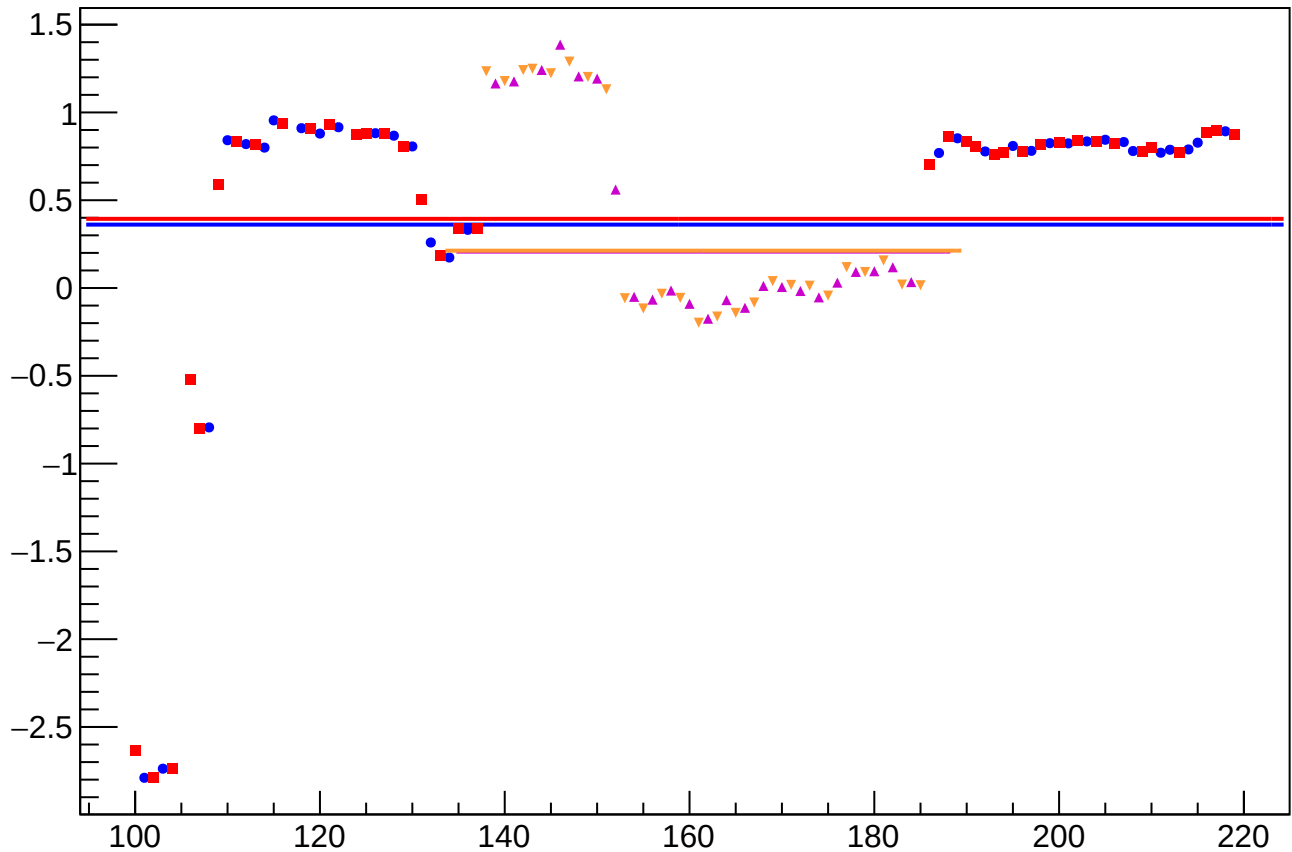
Left In: 0.008+/-0.000 χ^2/NDF :181843.4/22

+ sign 0.010+/-0.000 χ^2/NDF : 12849095.0/56

All: 0.010+/-0.000 χ^2/NDF : 25996620.7/116

- sign 0.010+/-0.000 χ^2/NDF : 13133109.1/59

yield_bpm0l04Y_mean vs Slug



Right In: 0.361 $\pm$ 0.000 χ^2 /NDF: 986486008810.9/31

Left Out: 0.213 $\pm$ 0.000 χ^2 /NDF: 102819241186.2/24

Right Out: 0.394 $\pm$ 0.000 χ^2 /NDF: 1073406355713.7/36

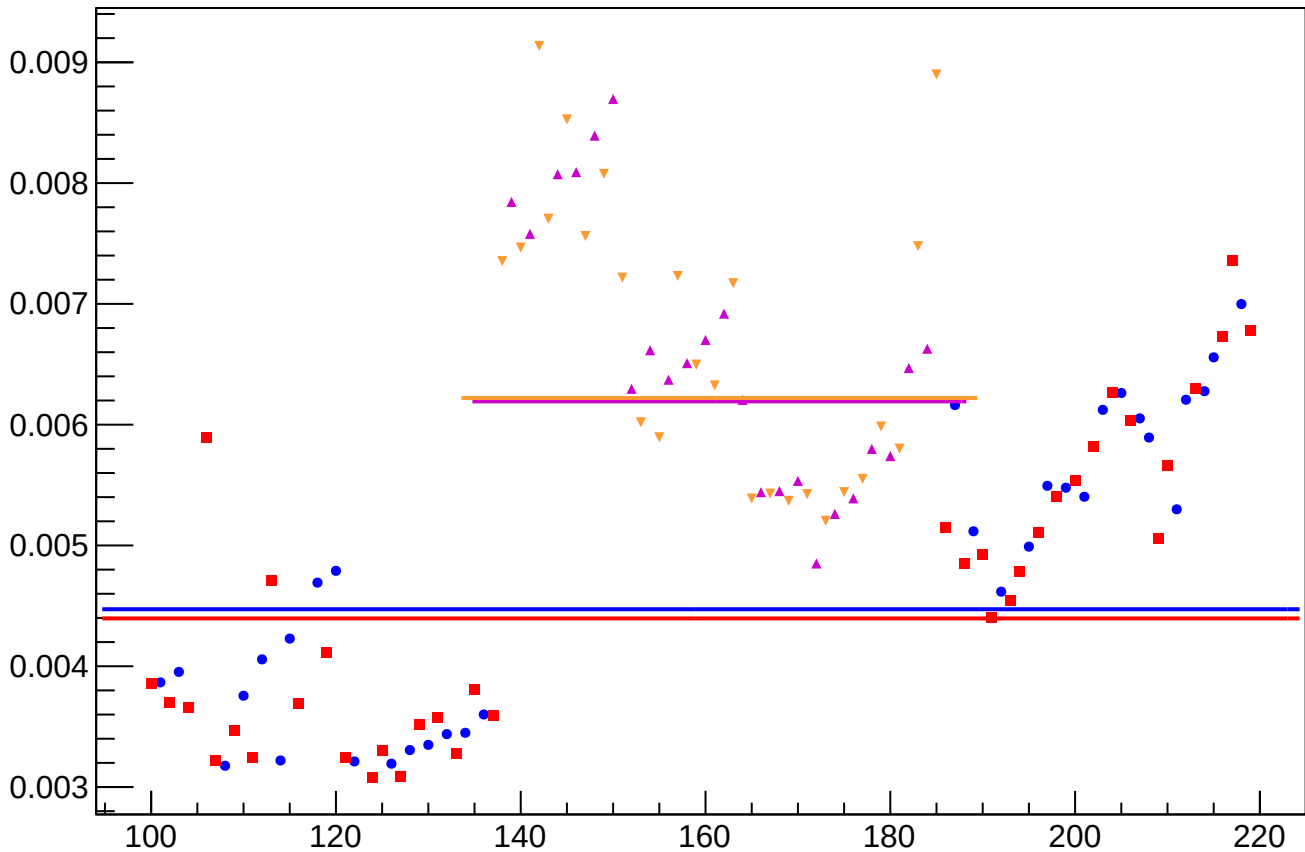
Left In: 0.207 $\pm$ 0.000 χ^2 /NDF: 87109076861.7/22

+ sign 0.313 $\pm$ 0.000 χ^2 /NDF: 1095722837800.6/56

All: 0.327 $\pm$ 0.000 χ^2 /NDF: 2266878397950.0

- sign 0.339 $\pm$ 0.000 χ^2 /NDF: 1170685613631.9/59

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2387343.5/31

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:813678.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2561354.9/36

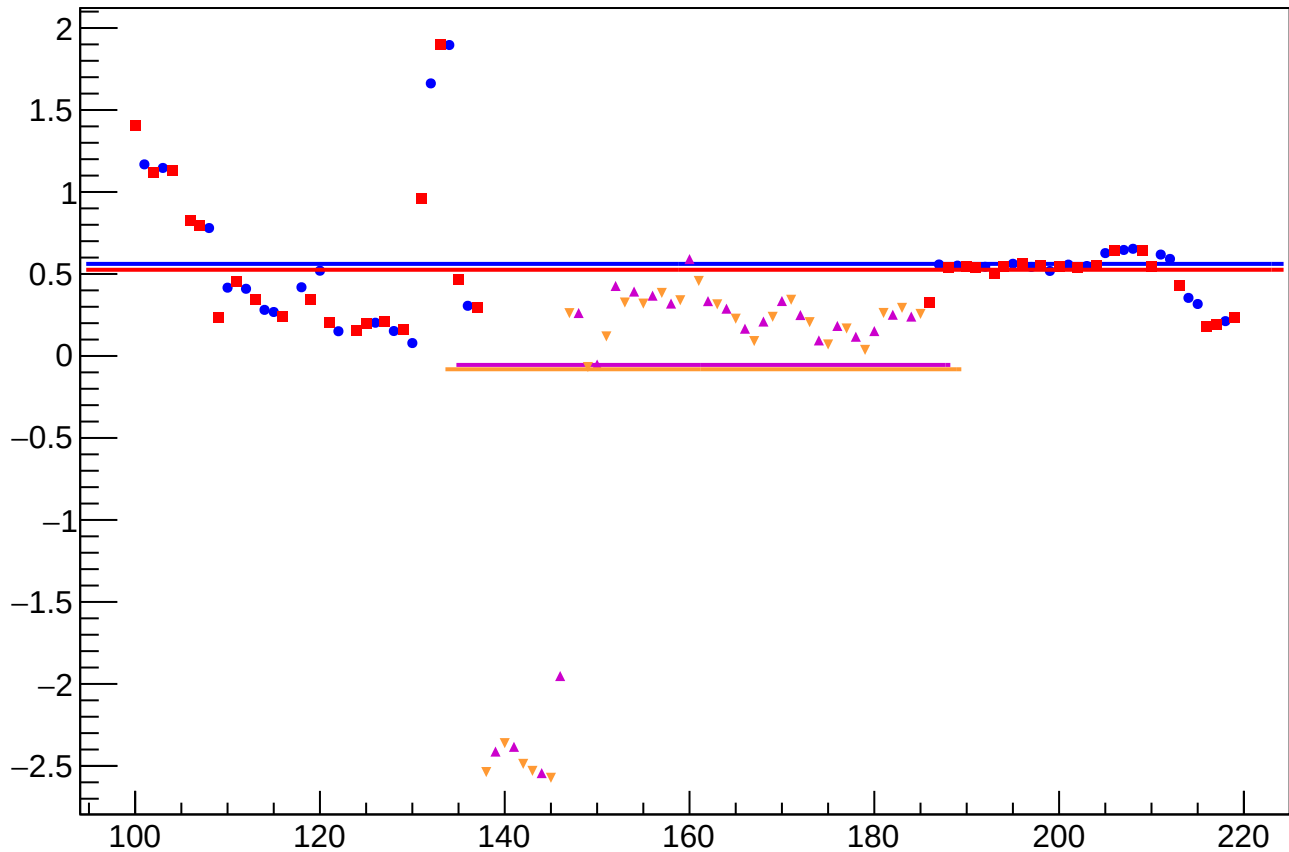
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:816234.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4983860.1/56

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 10267703.2/116

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5265797.7/59

yield_bpm0l05X_mean vs Slug



Right In: 0.562 $\pm$ 0.000 χ^2 /NDF: 60975782852.7/31

Left Out: -0.081 $\pm$ 0.000 χ^2 /NDF: 388332231902.9/24

Right Out: 0.526 $\pm$ 0.000 χ^2 /NDF: 68304221037.5/36

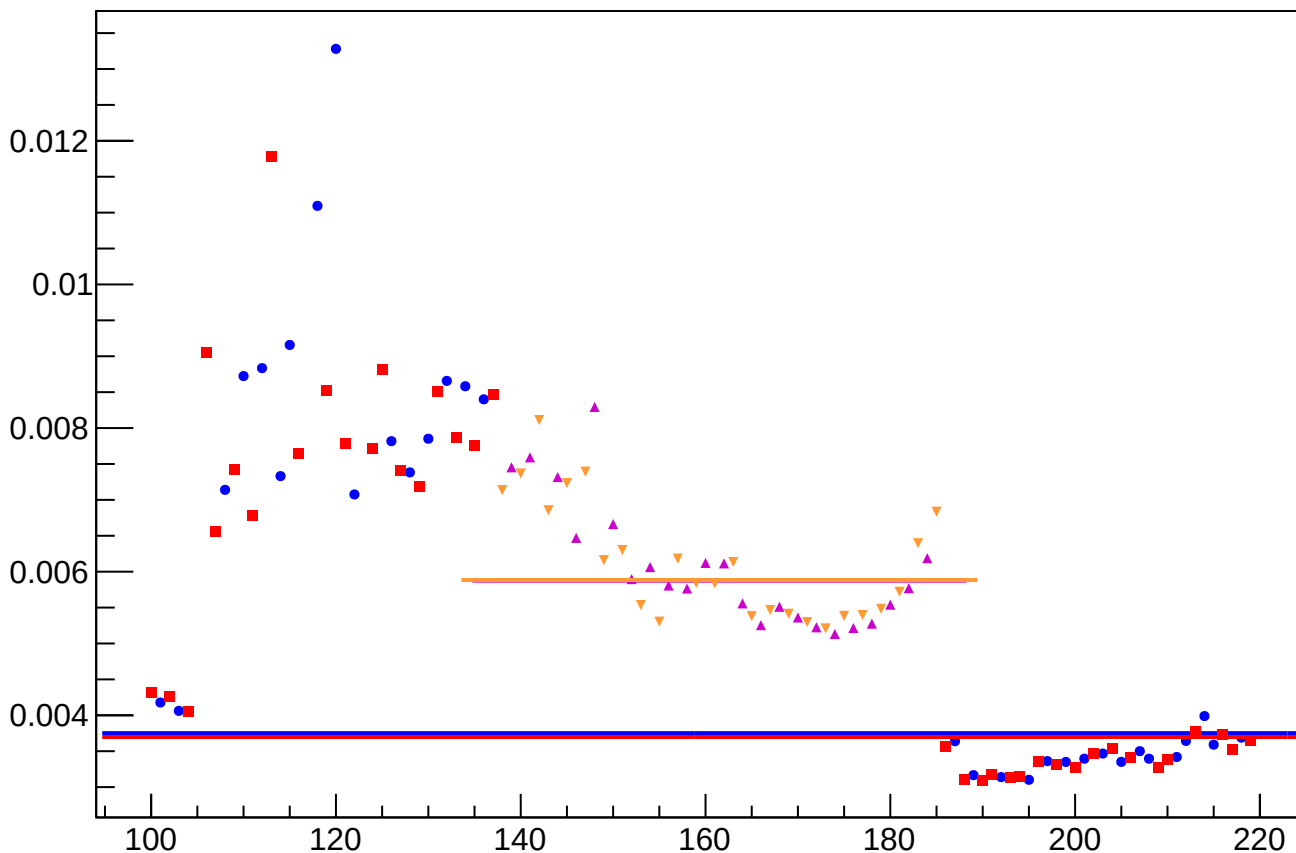
Left In: -0.055 $\pm$ 0.000 χ^2 /NDF: 347072248163.0/22

+ sign 0.372 $\pm$ 0.000 χ^2 /NDF: 596711663788.4/56

All: 0.372 $\pm$ 0.000 χ^2 /NDF: 1132181578869.

- sign 0.372 $\pm$ 0.000 χ^2 /NDF: 535469155179.6/59

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3495968.7/31

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 457789.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3484507.8/36

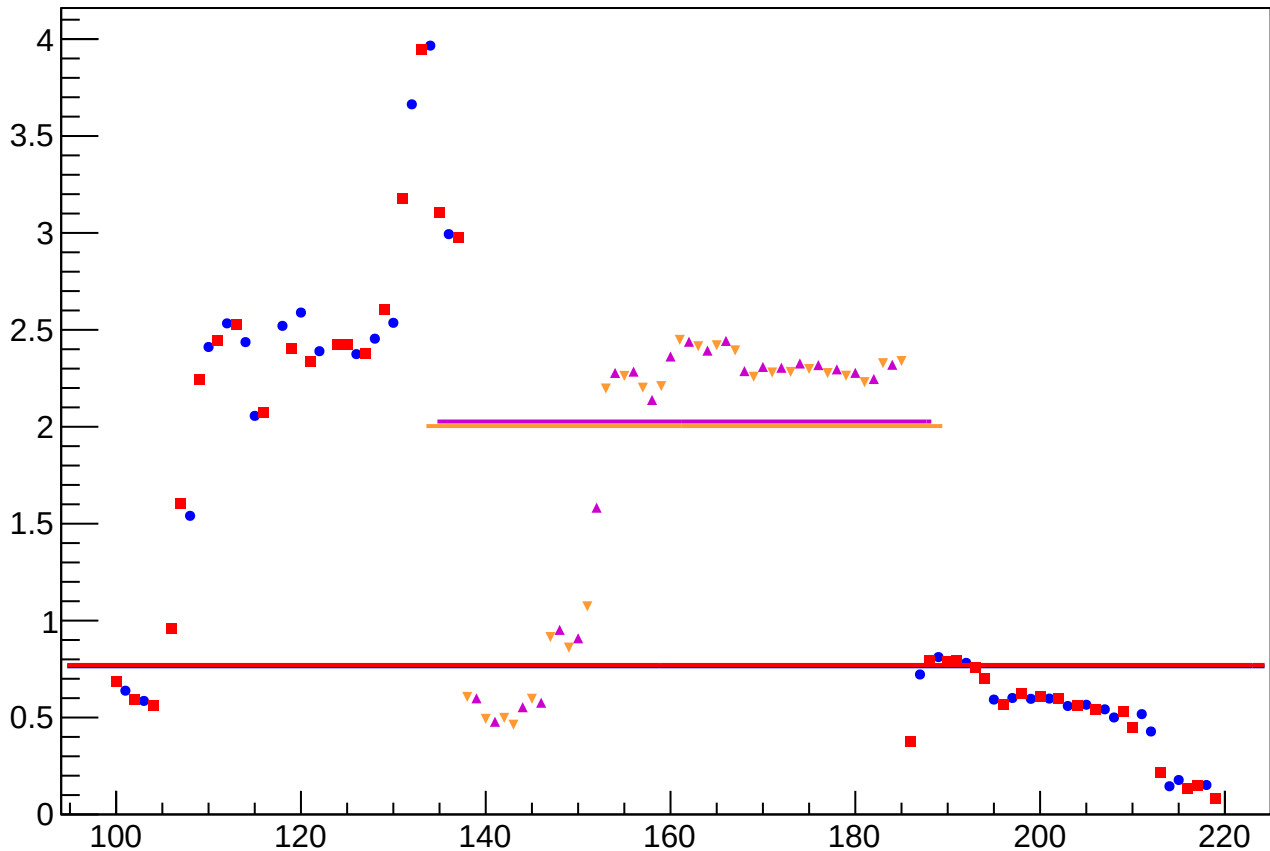
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 521878.3/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7197208.6/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 14605815.0/116

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7387399.6/59

yield_bpm0l05Y_mean vs Slug



Right In: 0.764+/-0.000 χ^2/NDF : 280476526438.4/31

Left Out: 2.004+/-0.000 χ^2/NDF : 219172813454.7/24

Right Out: 0.771+/-0.000 χ^2/NDF : 321107503811.2/36

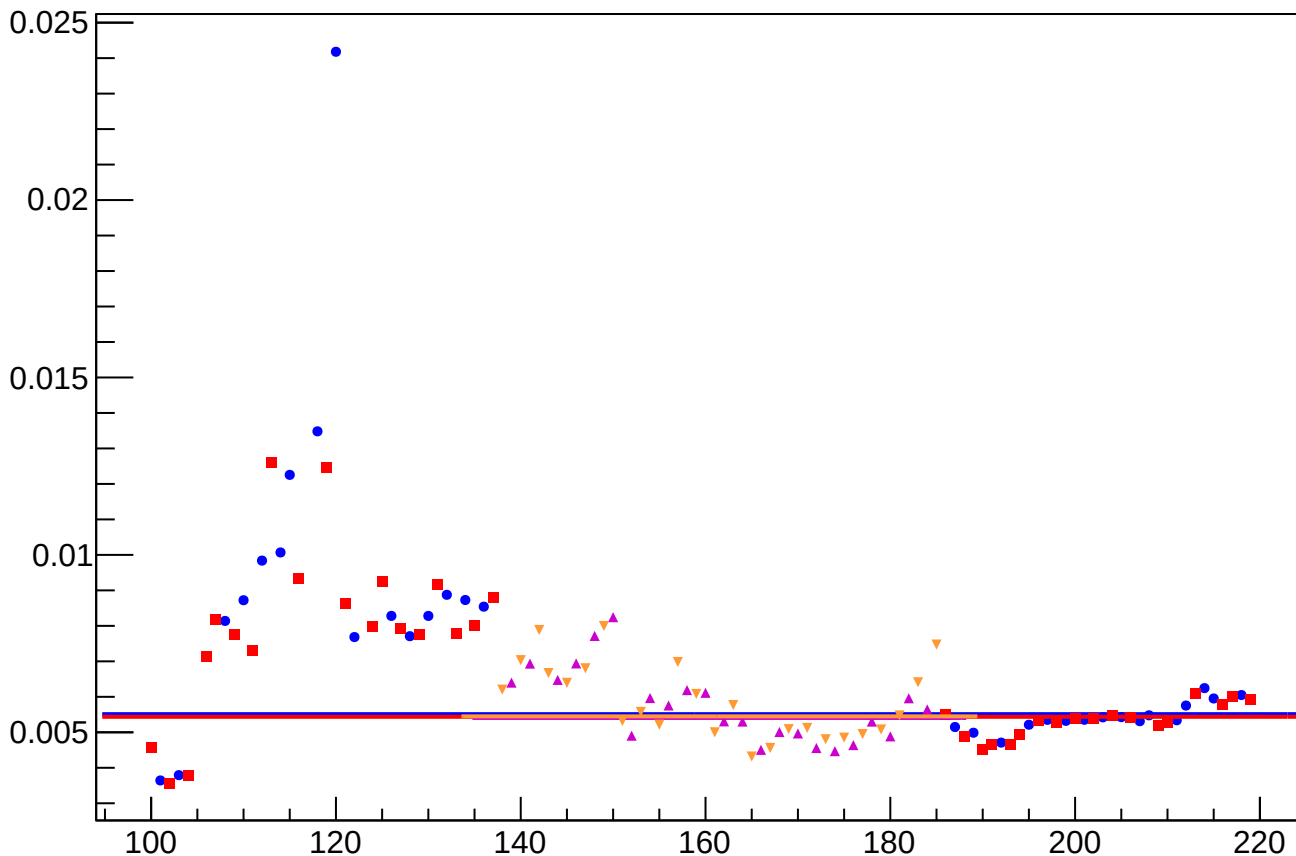
Left In: 2.027+/-0.000 χ^2/NDF : 194461333084.6/22

+ sign 1.371+/-0.000 χ^2/NDF : 932264380741.3/56

All: 1.355+/-0.000 χ^2/NDF : 1907445117229.

- sign 1.339+/-0.000 χ^2/NDF : 974617540179.4/59

yield_bpm0l05Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 2368580.2/31

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 771417.6/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 2189101.8/36

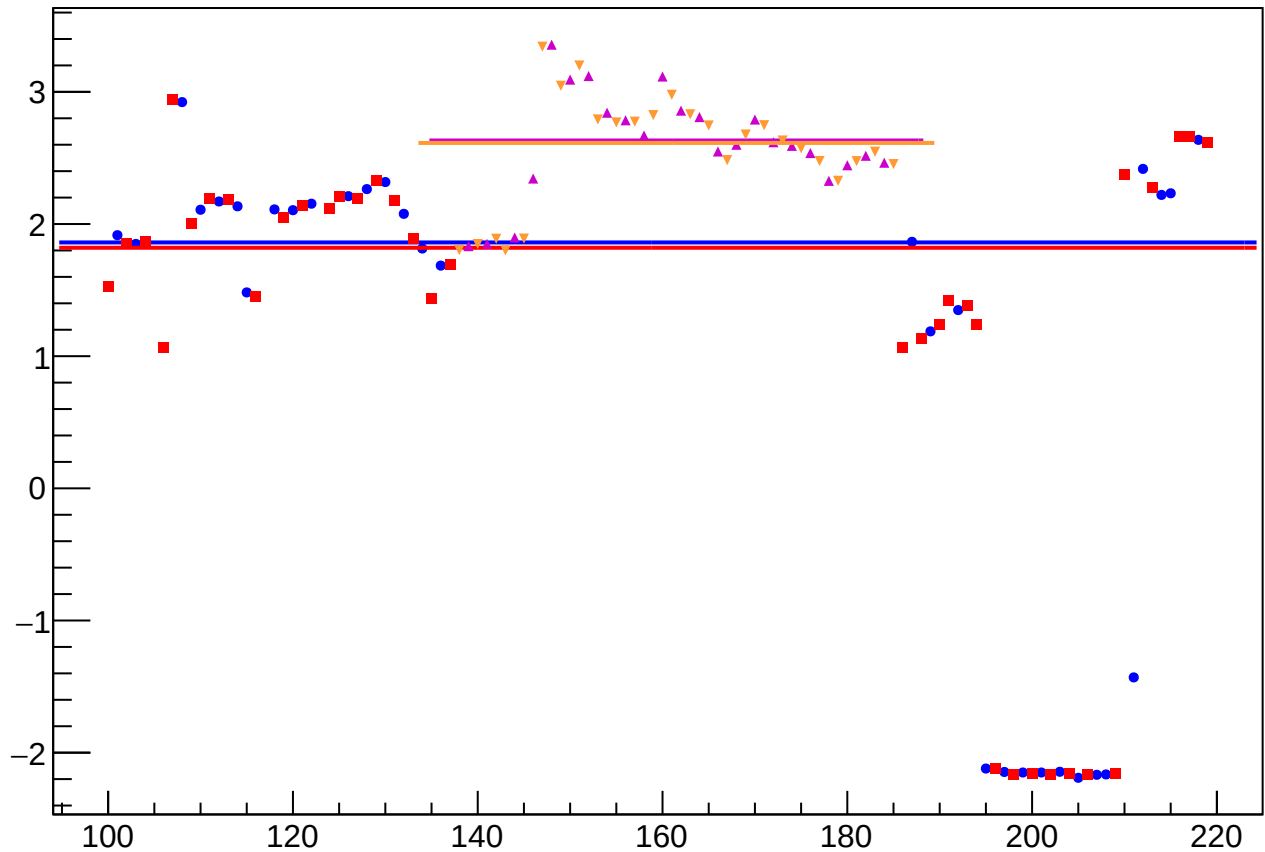
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 815136.5/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3142202.6/56

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 6150975.1/116

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3004834.3/59

yield_bpm0l06X_mean vs Slug



Right In: 1.861 $\pm$ 0.000 χ^2 /NDF: 190069254656.6/31

Left Out: 2.614 $\pm$ 0.000 χ^2 /NDF: 46402554271.4/24

Right Out: 1.820 $\pm$ 0.000 χ^2 /NDF: 177576513279.7/36

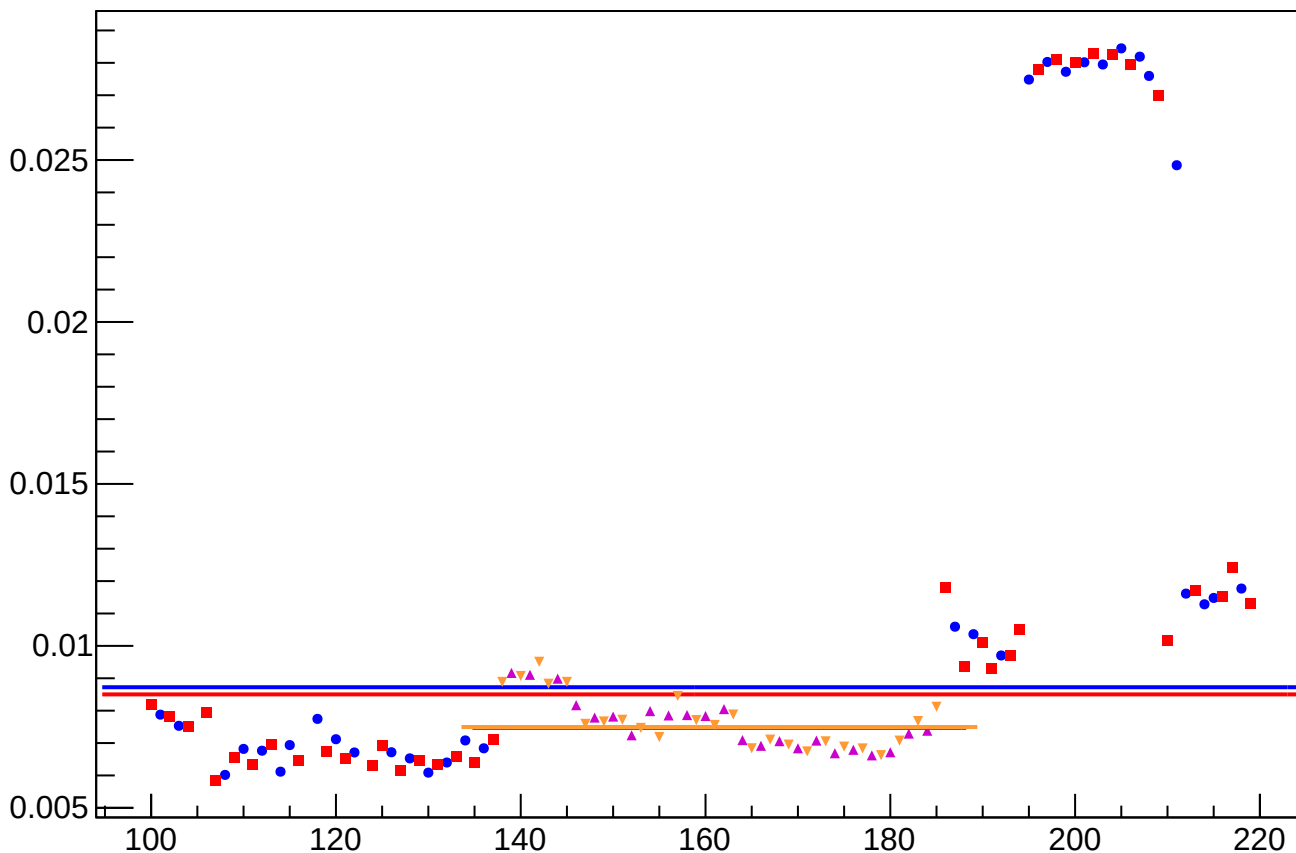
Left In: 2.632 $\pm$ 0.000 χ^2 /NDF: 40551967819.7/22

+ sign 2.327 $\pm$ 0.000 χ^2 /NDF: 306174270939.0/56

All: 2.305 $\pm$ 0.000 χ^2 /NDF: 612273666606.4

- sign 2.285 $\pm$ 0.000 χ^2 /NDF: 305628993549.4/59

yield_bpm0l06X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 8766222.5/31

Left Out: 0.007+/-0.000 χ^2/NDF : 332673.2/24

Right Out: 0.009+/-0.000 χ^2/NDF : 7780181.7/36

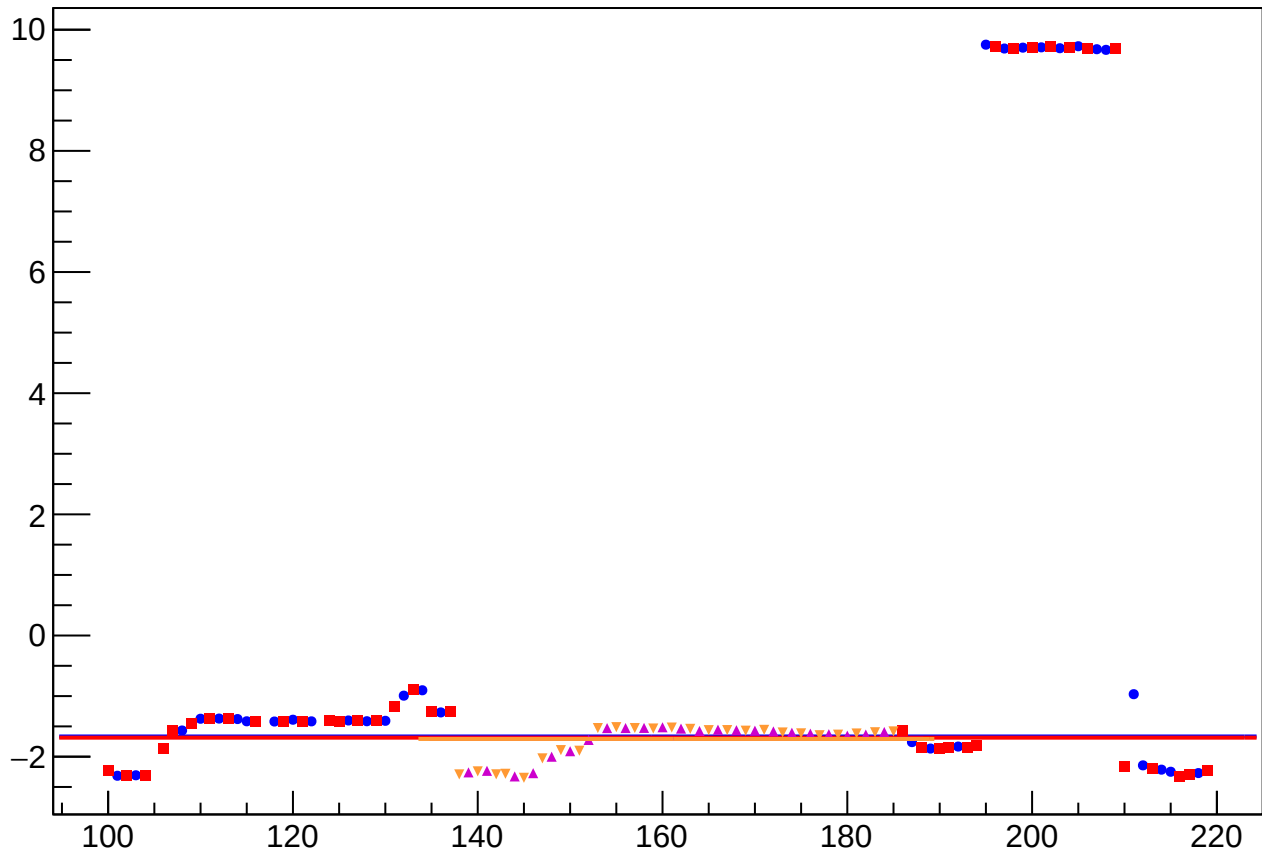
Left In: 0.007+/-0.000 χ^2/NDF : 321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF : 9470101.4/56

All: 0.008+/-0.000 χ^2/NDF : 17858000.5/116

- sign 0.008+/-0.000 χ^2/NDF : 8386434.5/59

yield_bpm0l06Y_mean vs Slug



Right In: -1.666+/-0.000 χ^2/NDF : 486489470660.6/31

Left Out: -1.708+/-0.000 χ^2/NDF : 151845502556.2/24

Right Out: -1.686+/-0.000 χ^2/NDF : 477392960406.4/36

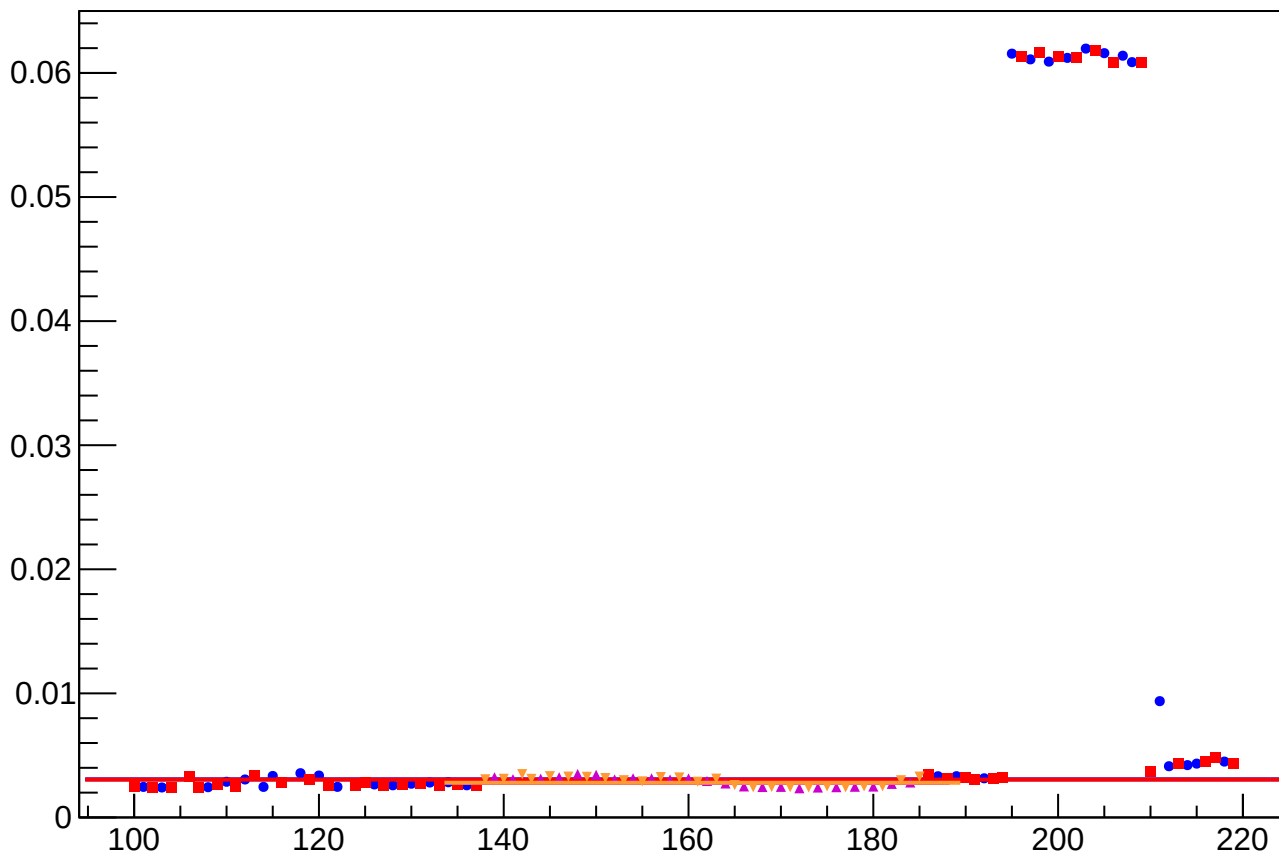
Left In: -1.705+/-0.000 χ^2/NDF : 136540618081.0/22

+ sign -1.693+/-0.000 χ^2/NDF : 639724401889.3/56

All: -1.695+/-0.000 χ^2/NDF : 1254036953595

- sign -1.697+/-0.000 χ^2/NDF : 614274387726.6/59

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 13637397.6/31

Left Out: 0.003+/-0.000 χ^2/NDF : 547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 12301593.1/36

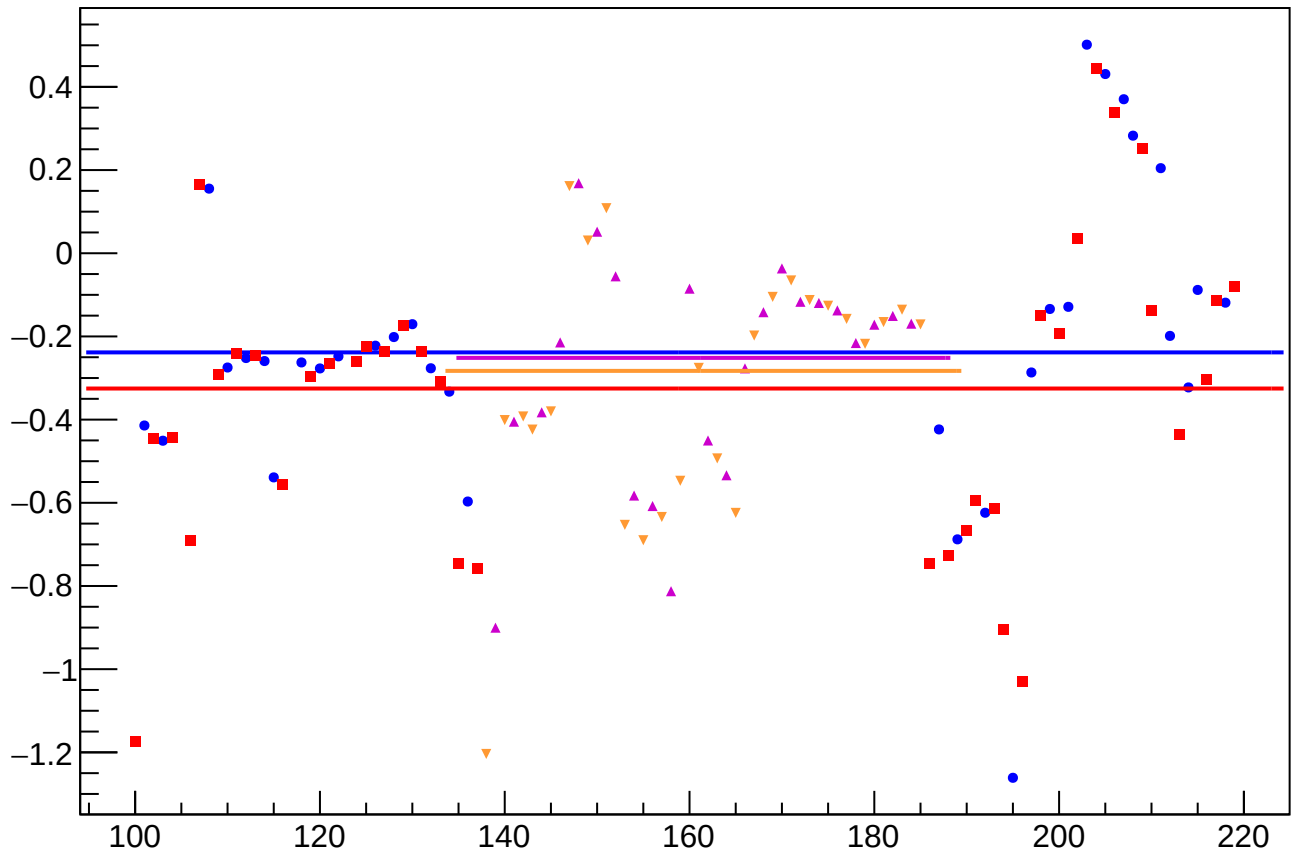
Left In: 0.003+/-0.000 χ^2/NDF : 557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF : 14308998.0/56

All: 0.003+/-0.000 χ^2/NDF : 27296688.7/116

- sign 0.003+/-0.000 χ^2/NDF : 12987686.9/59

yield_bpm0l07X_mean vs Slug



Right In: -0.238 ± 0.000 χ^2/NDF : 9798159586.6/31

Left Out: -0.283 ± 0.000 χ^2/NDF : 9343511244.8/24

Right Out: -0.325 ± 0.000 χ^2/NDF : 10112606325.6/36

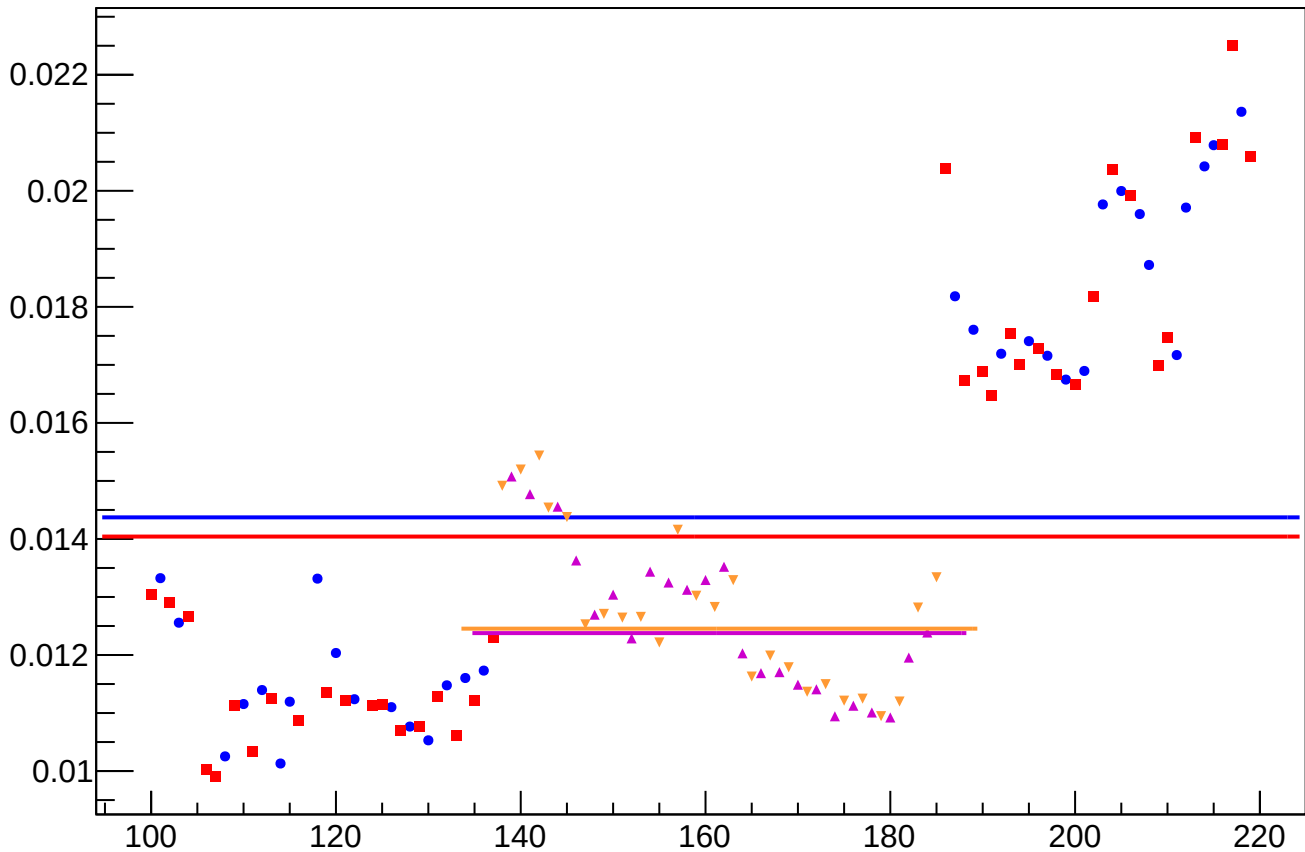
Left In: -0.252 ± 0.000 χ^2/NDF : 7167367678.6/22

+ sign -0.264 ± 0.000 χ^2/NDF : 19241415883.9/56

All: -0.275 ± 0.000 χ^2/NDF : 36858702196.2/56

- sign -0.286 ± 0.000 χ^2/NDF : 17565965171.2/59

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 2320618.3/31

Left Out: 0.012+/-0.000 χ^2/NDF :341430.5/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2707703.2/36

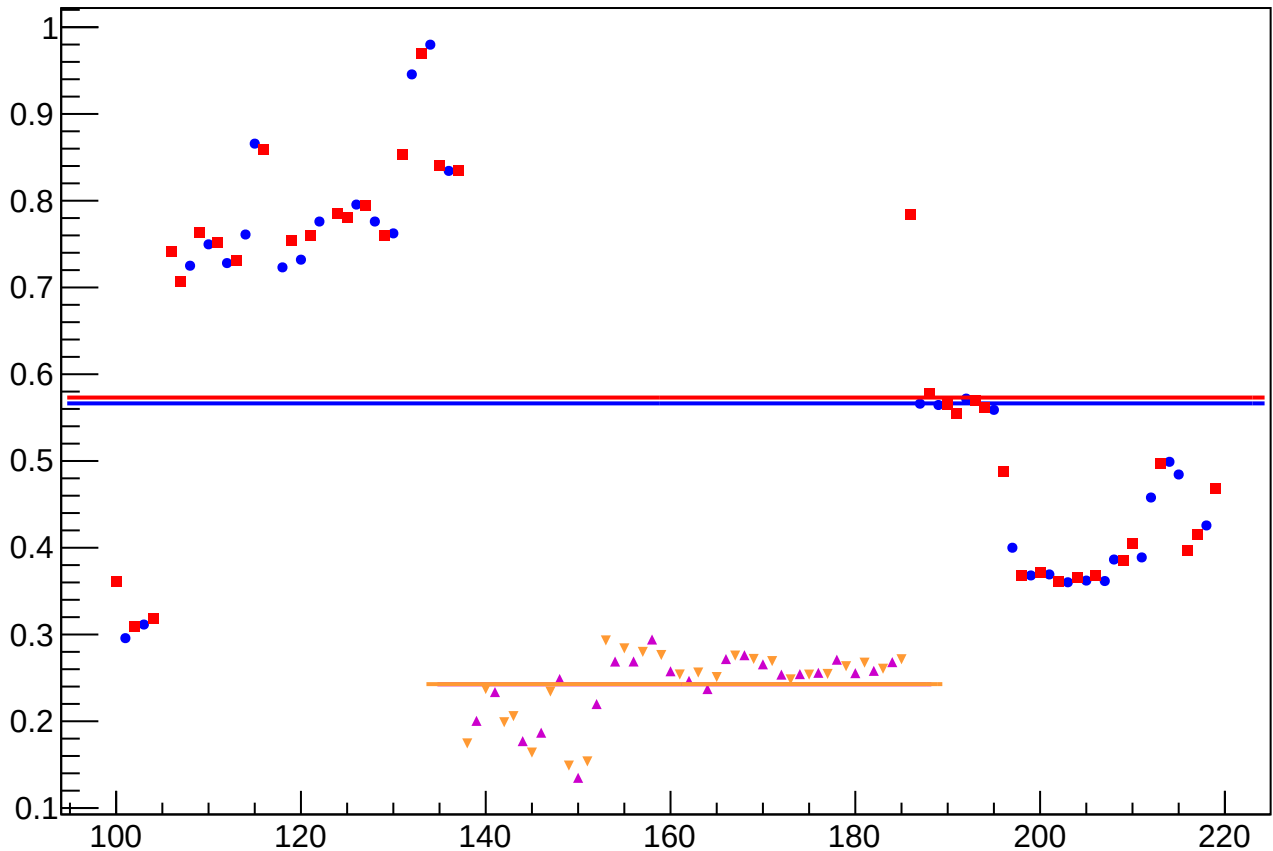
Left In: 0.012+/-0.000 χ^2/NDF :326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF : 3033611.9/56

All: 0.013+/-0.000 χ^2/NDF : 6362985.9/116

- sign 0.013+/-0.000 χ^2/NDF : 3326138.9/59

yield_bpm0l07Y_mean vs Slug



Right In: 0.566 $\pm$ 0.000 χ^2 /NDF: 100192295091.7/31

Left Out: 0.243 $\pm$ 0.000 χ^2 /NDF: 7290530687.7/24

Right Out: 0.573 $\pm$ 0.000 χ^2 /NDF: 97466053920.7/36

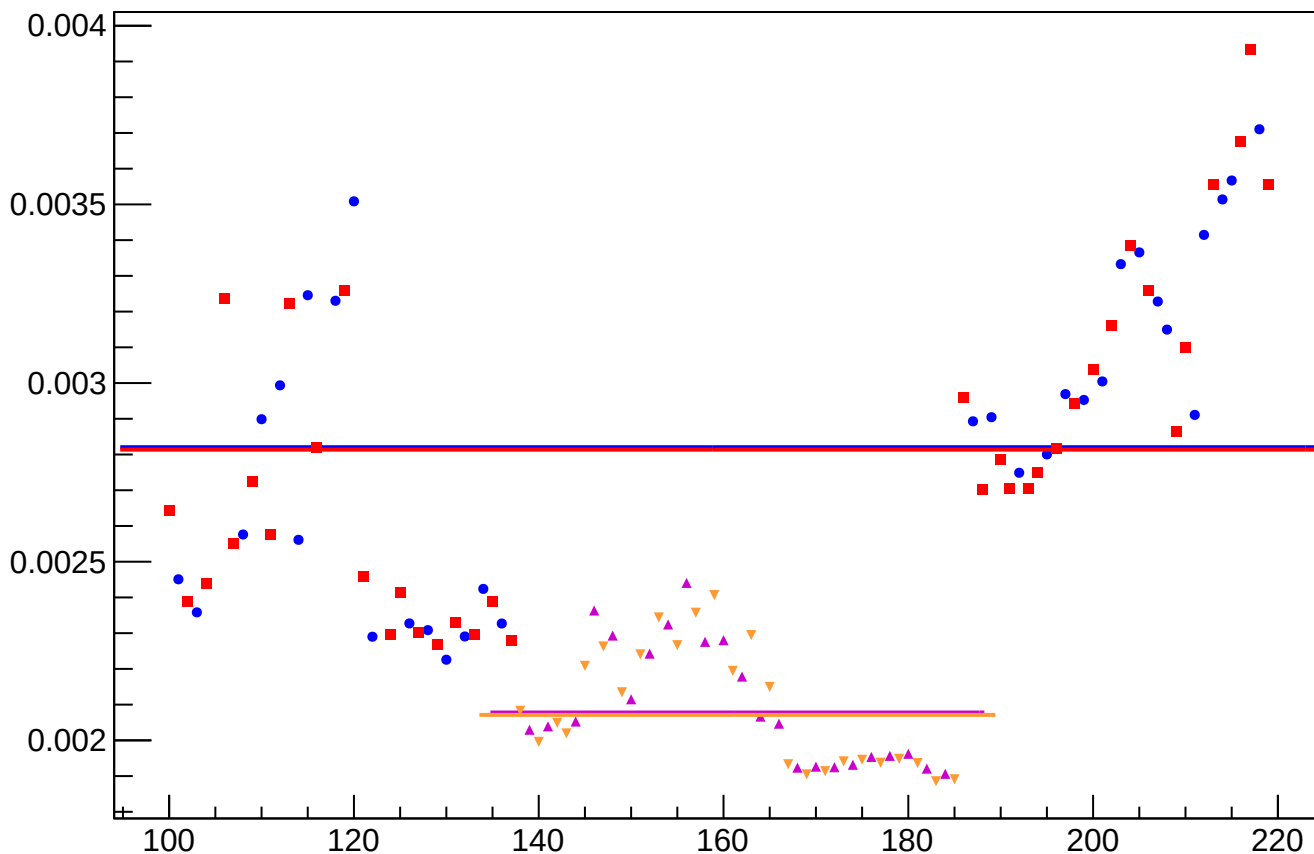
Left In: 0.243 $\pm$ 0.000 χ^2 /NDF: 5781231269.1/22

+ sign 0.356 $\pm$ 0.000 χ^2 /NDF: 270580275934.0/56

All: 0.362 $\pm$ 0.000 χ^2 /NDF: 548191634583.9

- sign 0.368 $\pm$ 0.000 χ^2 /NDF: 277117487949.2/59

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 919732.8/31

Left Out: 0.002+/-0.000 χ^2/NDF : 233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF : 902833.6/36

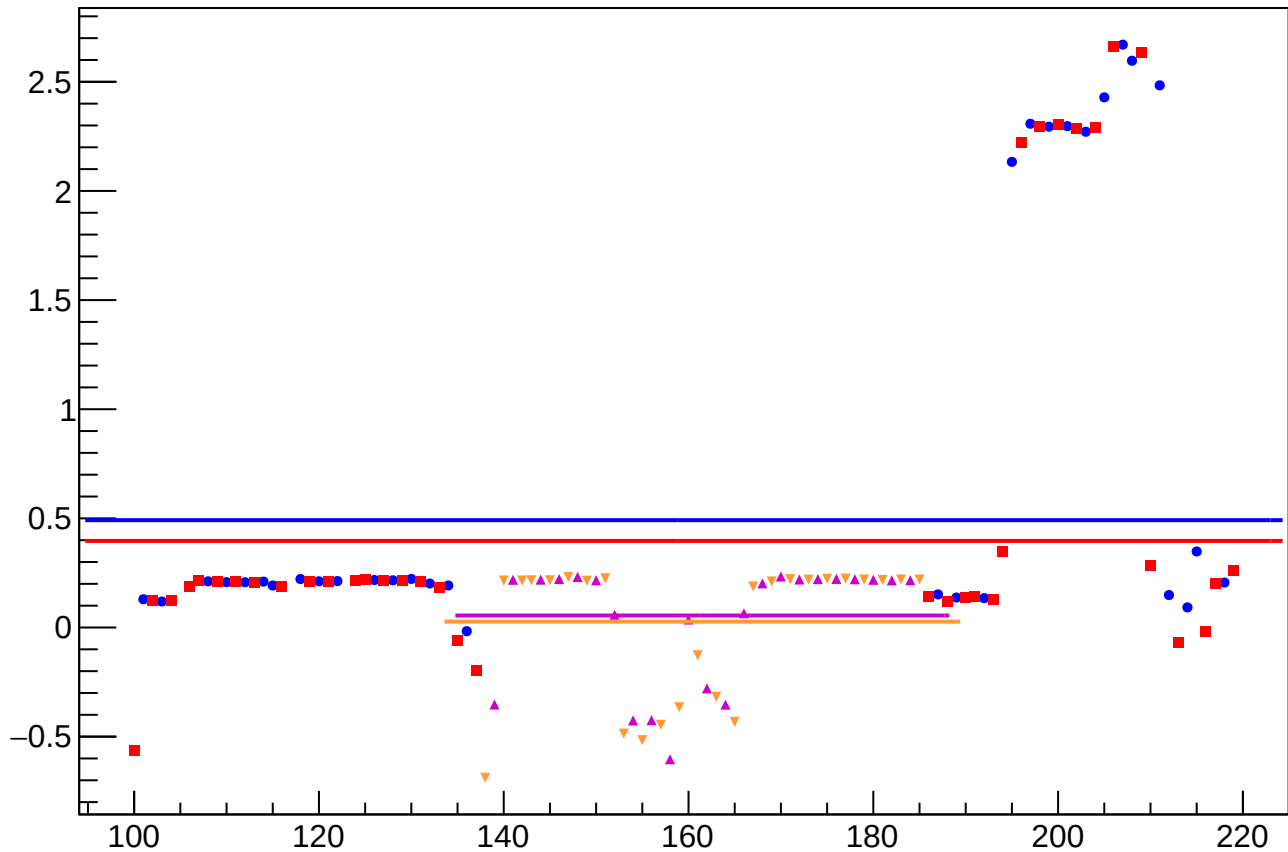
Left In: 0.002+/-0.000 χ^2/NDF : 211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 2902275.2/56

All: 0.002+/-0.000 χ^2/NDF : 5743785.7/116

- sign 0.002+/-0.000 χ^2/NDF : 2837639.5/59

yield_bpm0l08X_mean vs Slug



Right In: 0.492+/-0.000 χ^2/NDF : 61963276915.7/31

Left Out: 0.027+/-0.000 χ^2/NDF : 12975171876.0/24

Right Out: 0.397+/-0.000 χ^2/NDF : 55266241142.1/36

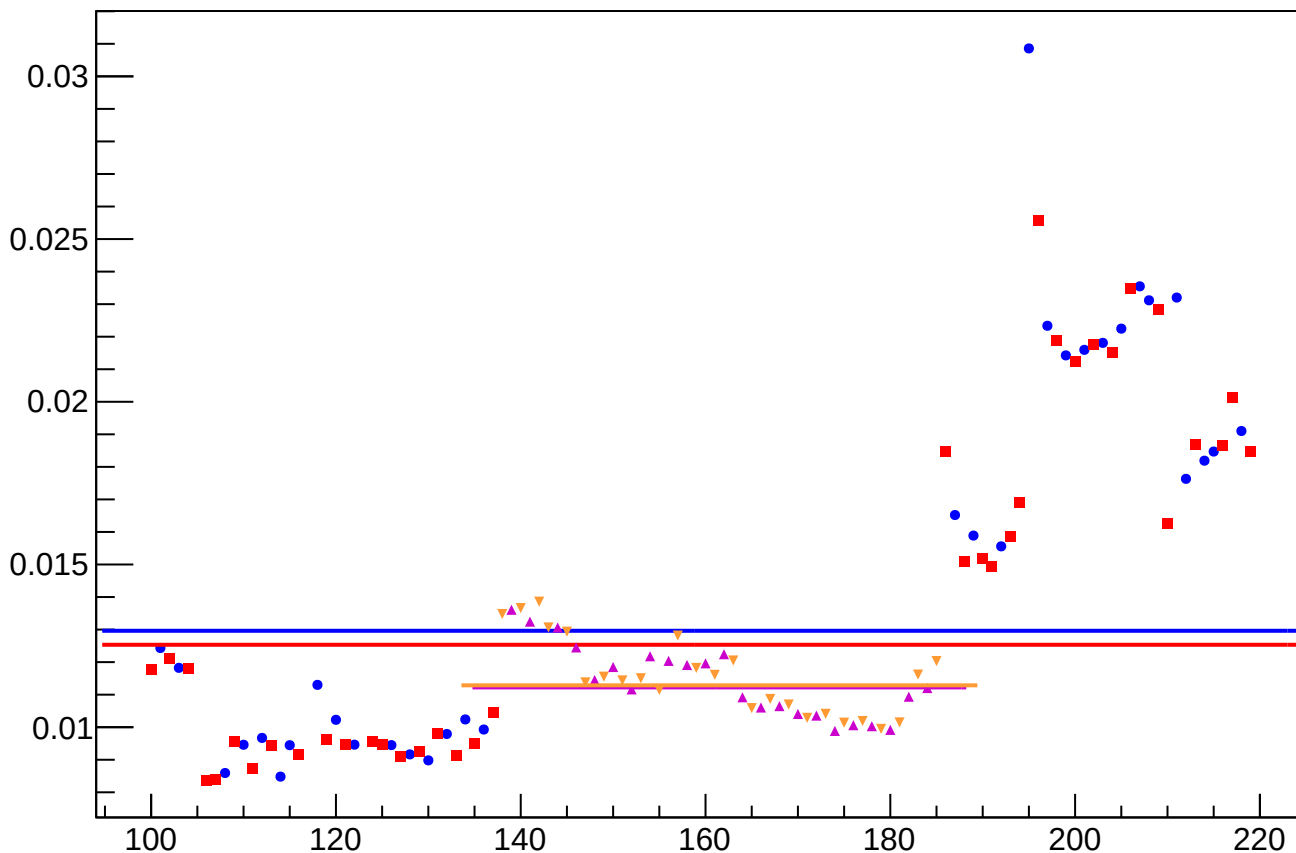
Left In: 0.055+/-0.000 χ^2/NDF : 9704180322.0/22

+ sign 0.219+/-0.000 χ^2/NDF : 87761561828.6/56

All: 0.215+/-0.000 χ^2/NDF : 160109880812.8

- sign 0.212+/-0.000 χ^2/NDF : 72340969974.5/59

yield_bpm0l08X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 5161492.6/31

Left Out: 0.011+/-0.000 χ^2/NDF : 328248.0/24

Right Out: 0.013+/-0.000 χ^2/NDF : 5109216.6/36

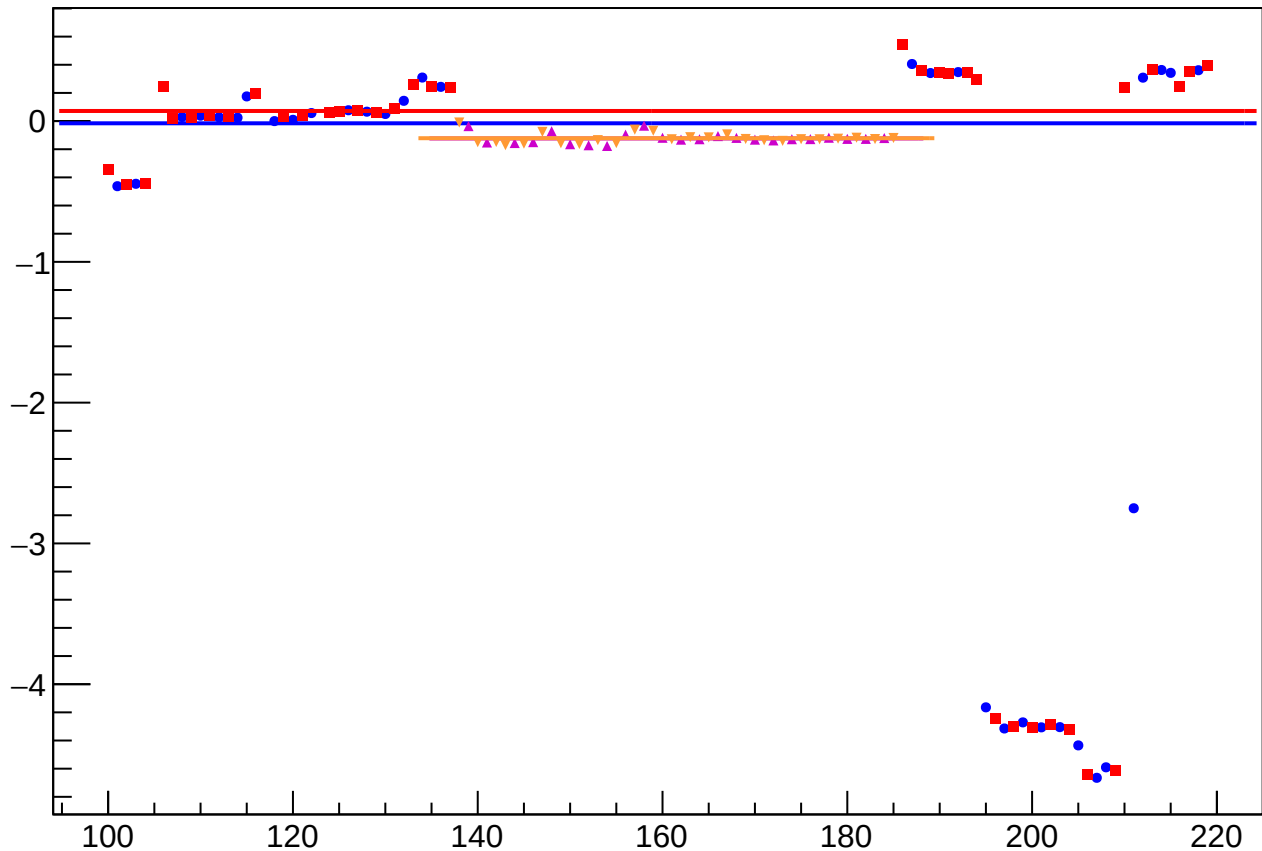
Left In: 0.011+/-0.000 χ^2/NDF : 315246.6/22

+ sign 0.012+/-0.000 χ^2/NDF : 5823562.5/56

All: 0.012+/-0.000 χ^2/NDF : 11470826.2/116

- sign 0.012+/-0.000 χ^2/NDF : 5641152.6/59

yield_bpm0l08Y_mean vs Slug



Right In: -0.016 $\pm$ 0.000 χ^2 /NDF: 443981286515.3/31

Left Out: -0.122 $\pm$ 0.000 χ^2 /NDF: 2922583819.6/24

Right Out: 0.072 $\pm$ 0.000 χ^2 /NDF: 407955891733.9/36

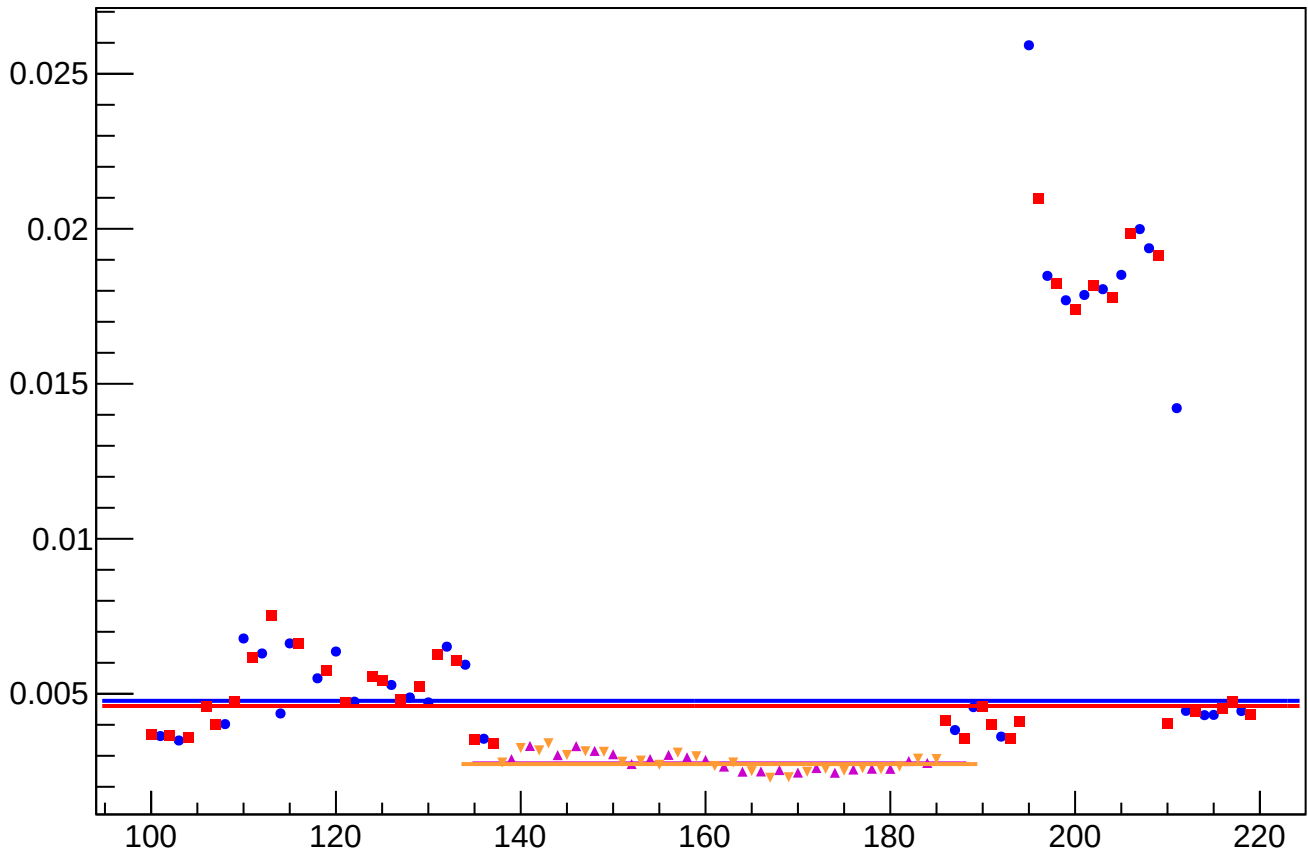
Left In: -0.124 $\pm$ 0.000 χ^2 /NDF: 2809457047.2/22

+ sign -0.100 $\pm$ 0.000 χ^2 /NDF: 452496948442.3/56

All: -0.088 $\pm$ 0.000 χ^2 /NDF: 885959056190.5

- sign -0.075 $\pm$ 0.000 χ^2 /NDF: 432485479569.2/59

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 9357121.4/31

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:391885.5/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 8017535.8/36

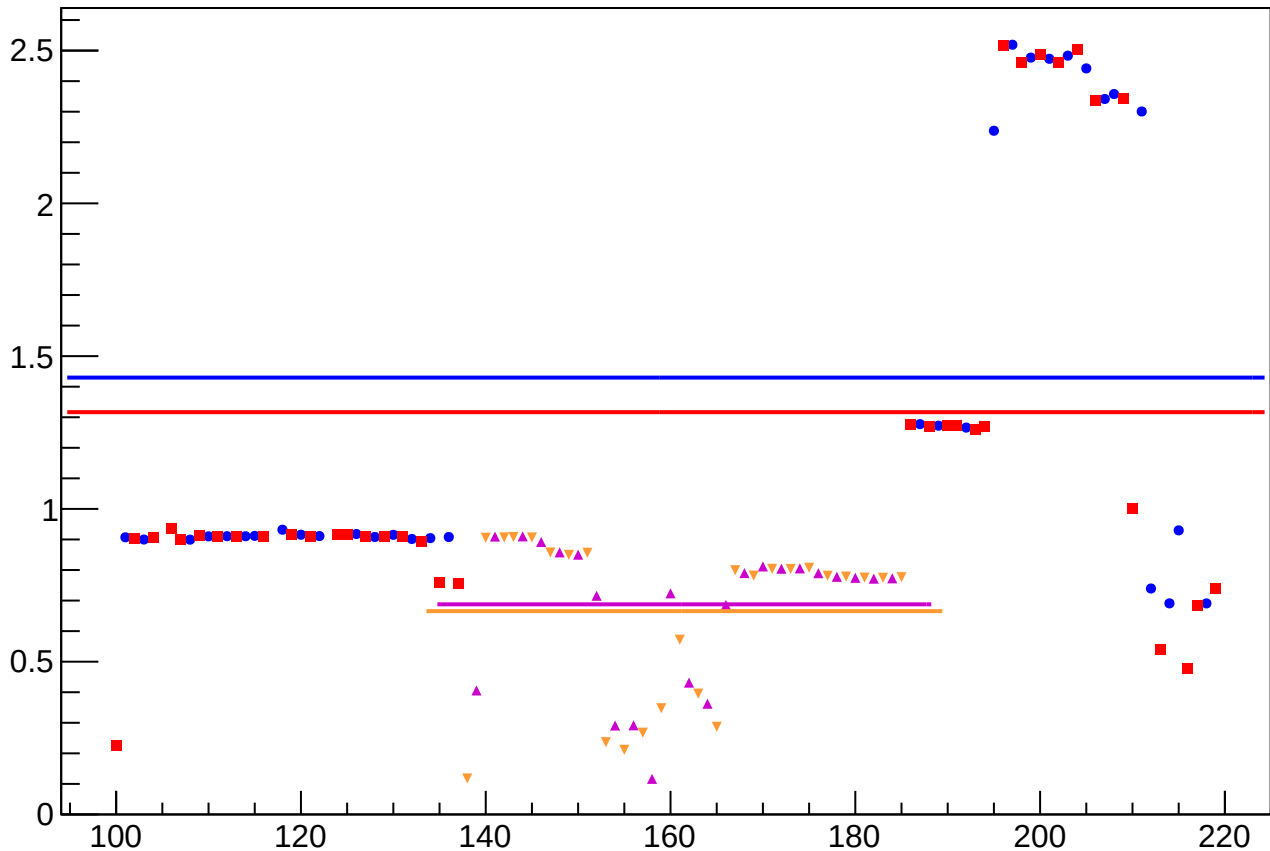
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:293113.7/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 13896195.4/56

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 26119774.8/116

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 12208341.8/59

yield_bpm0l09X_mean vs Slug



Right In: 1.430 $\pm$ 0.000 χ^2 /NDF: 58183585275.1/31

Left Out: 0.666 $\pm$ 0.000 χ^2 /NDF: 9213839939.9/24

Right Out: 1.317 $\pm$ 0.000 χ^2 /NDF: 57182723540.1/36

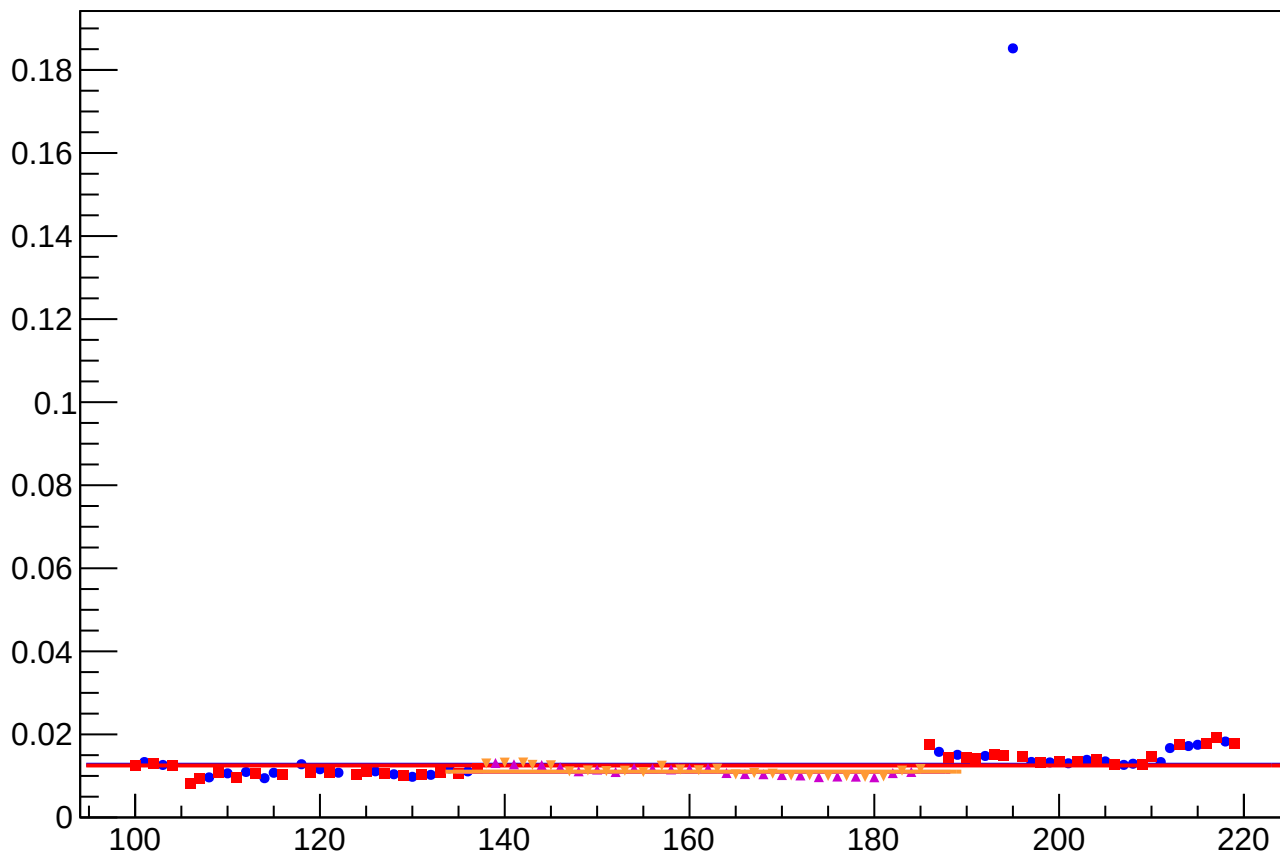
Left In: 0.688 $\pm$ 0.000 χ^2 /NDF: 6999062215.3/22

+ sign 0.992 $\pm$ 0.000 χ^2 /NDF: 105184623289.8/56

All: 0.985 $\pm$ 0.000 χ^2 /NDF: 195900746896.8

- sign 0.978 $\pm$ 0.000 χ^2 /NDF: 90689865307.3/59

yield_bpm0l09X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 2570931.0/31

Left Out: 0.011+/-0.000 χ^2/NDF : 299445.0/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1506228.5/36

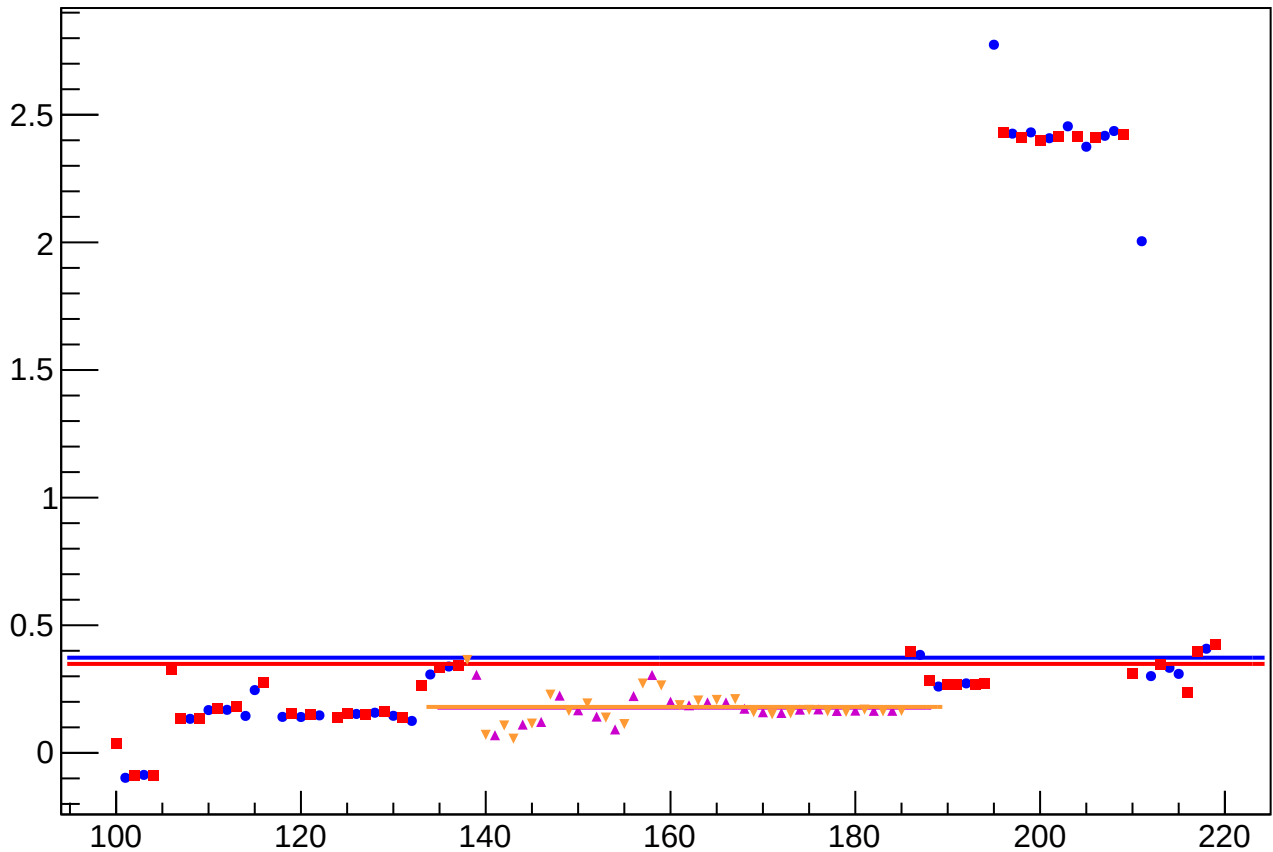
Left In: 0.011+/-0.000 χ^2/NDF : 287650.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 3229261.5/56

All: 0.012+/-0.000 χ^2/NDF : 5347247.9/116

- sign 0.012+/-0.000 χ^2/NDF : 2117071.6/59

yield_bpm0l09Y_mean vs Slug



Right In: 0.373 $\pm$ 0.000 χ^2 /NDF: 191525308704.6/31

Left Out: 0.180 $\pm$ 0.000 χ^2 /NDF: 6448853953.3/24

Right Out: 0.349 $\pm$ 0.000 χ^2 /NDF: 164198897341.1/36

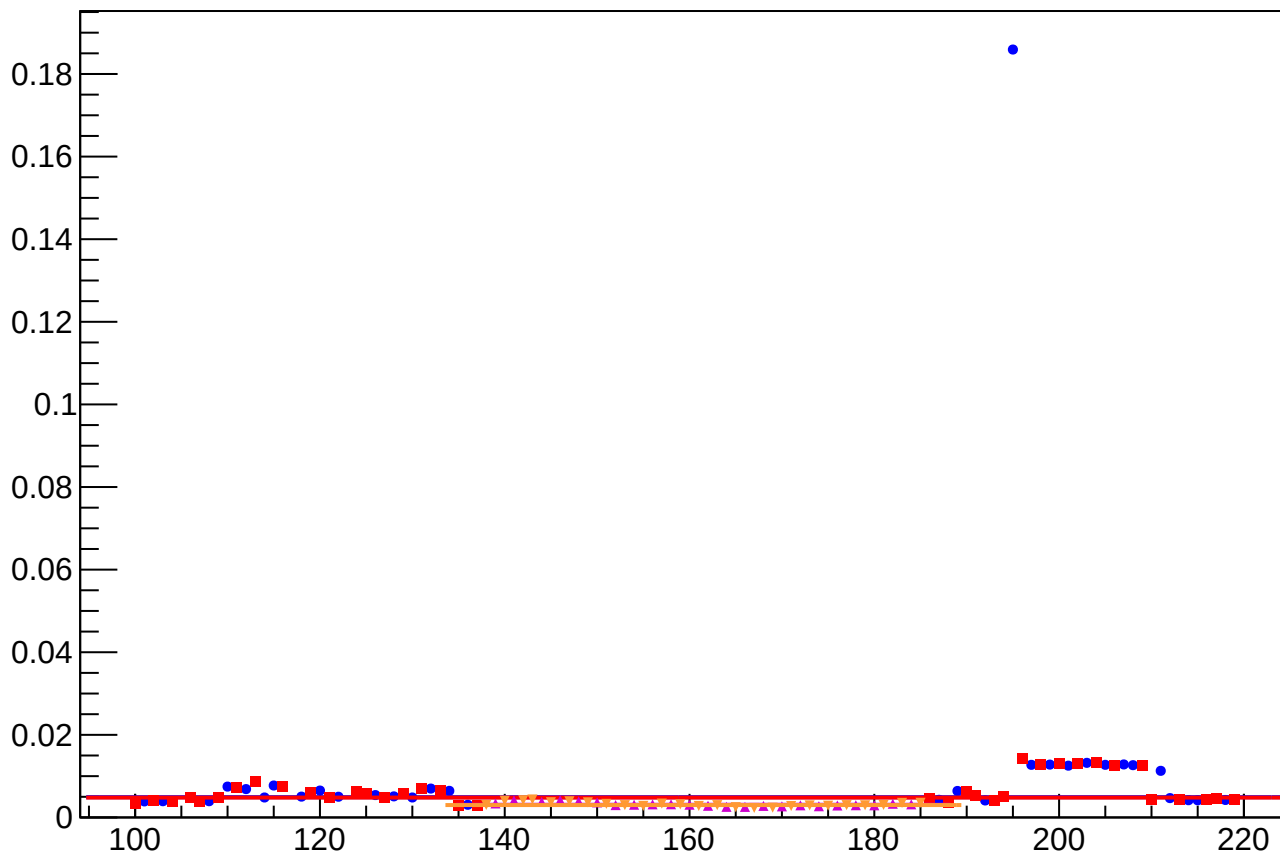
Left In: 0.177 $\pm$ 0.000 χ^2 /NDF: 4620854117.7/22

+ sign 0.226 $\pm$ 0.000 χ^2 /NDF: 215211451935.6/56

All: 0.226 $\pm$ 0.000 χ^2 /NDF: 398758797664.5

- sign 0.226 $\pm$ 0.000 χ^2 /NDF: 183547345259.7/59

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 7980466.9/31

Left Out: 0.003+/-0.000 χ^2/NDF : 888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF : 6002298.1/36

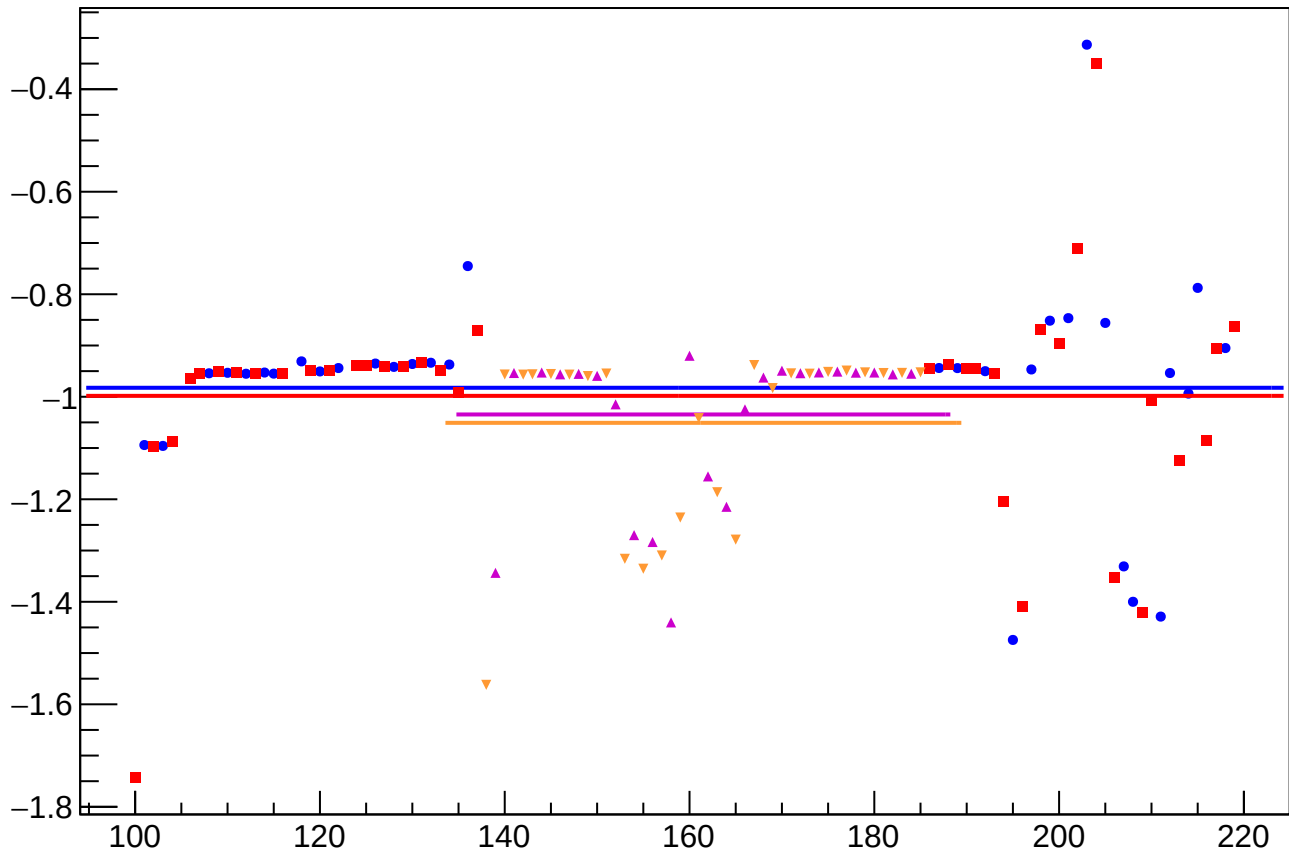
Left In: 0.003+/-0.000 χ^2/NDF : 587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF : 12236944.0/56

All: 0.004+/-0.000 χ^2/NDF : 21894185.7/116

- sign 0.004+/-0.000 χ^2/NDF : 9625215.6/59

yield_bpm0l10X_mean vs Slug



Right In: -0.982 ± 0.000 $\chi^2/\text{NDF}: 5990127525.2/31$

Left Out: -1.051 ± 0.000 $\chi^2/\text{NDF}: 5082084184.4/24$

Right Out: -0.998 ± 0.000 $\chi^2/\text{NDF}: 5179381002.9/36$

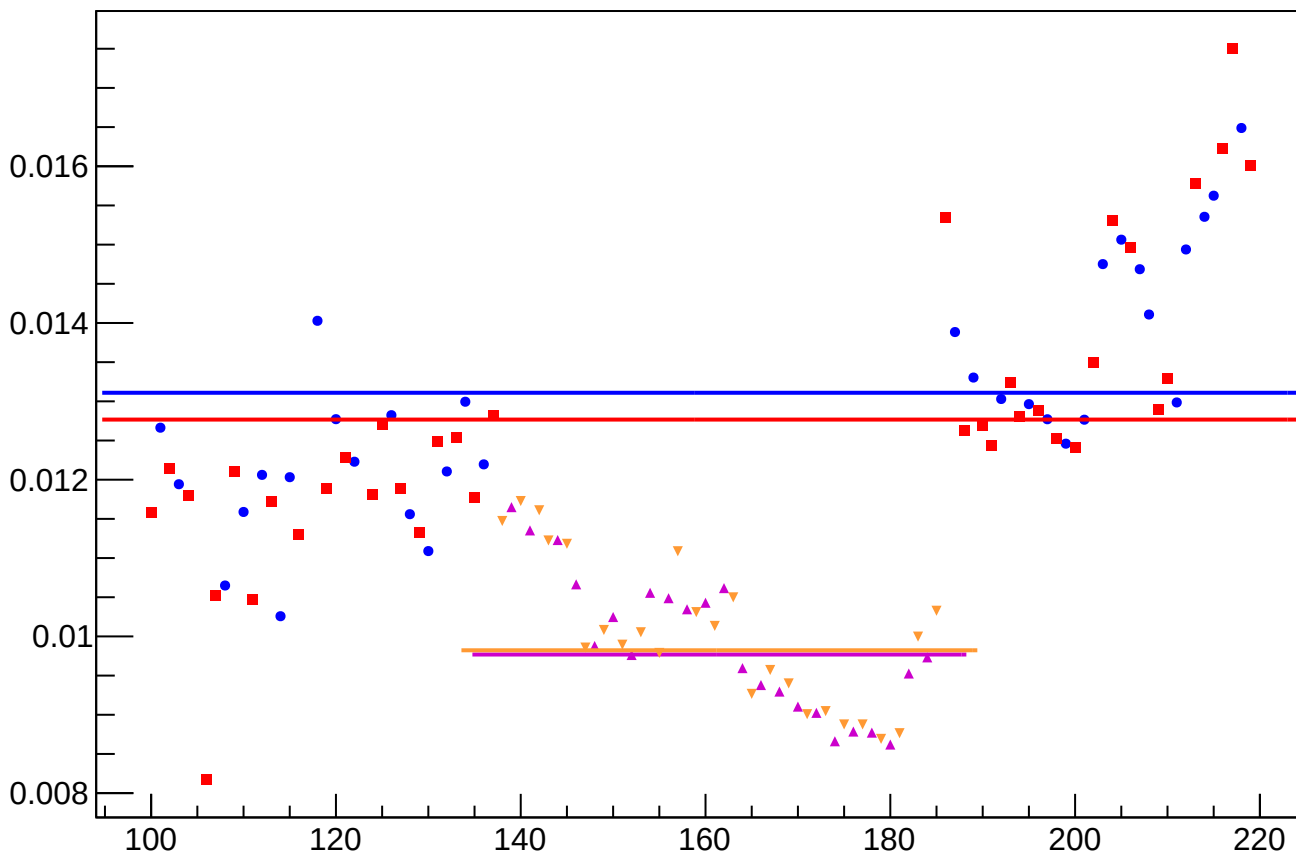
Left In: -1.035 ± 0.000 $\chi^2/\text{NDF}: 3925761523.9/22$

+ sign -1.026 ± 0.000 $\chi^2/\text{NDF}: 11402405077.3/56$

All: -1.023 ± 0.000 $\chi^2/\text{NDF}: 20610925787.0/100$

- sign -1.020 ± 0.000 $\chi^2/\text{NDF}: 9203279827.8/59$

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 431210.8/31

Left Out: 0.010+/-0.000 χ^2/NDF : 293862.1/24

Right Out: 0.013+/-0.000 χ^2/NDF : 759464.0/36

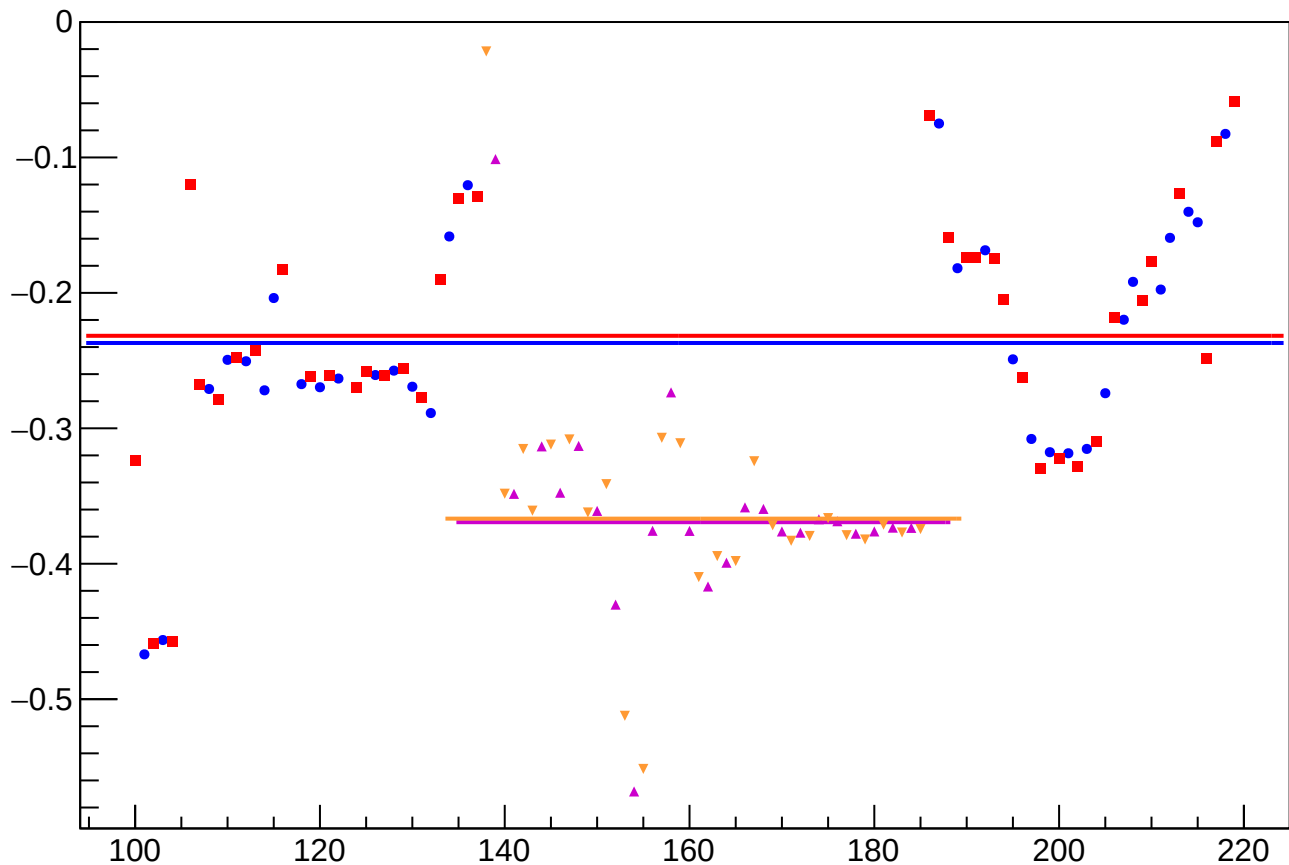
Left In: 0.010+/-0.000 χ^2/NDF : 281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF : 2249160.5/56

All: 0.011+/-0.000 χ^2/NDF : 4629846.1/116

- sign 0.011+/-0.000 χ^2/NDF : 2379945.2/59

yield_bpm0l10Y_mean vs Slug



Right In: -0.237+/-0.000 χ^2/NDF : 11530585379.6/31

Left Out: -0.367+/-0.000 χ^2/NDF : 11945266102.2/24

Right Out: -0.232+/-0.000 χ^2/NDF : 12442959100.0/36

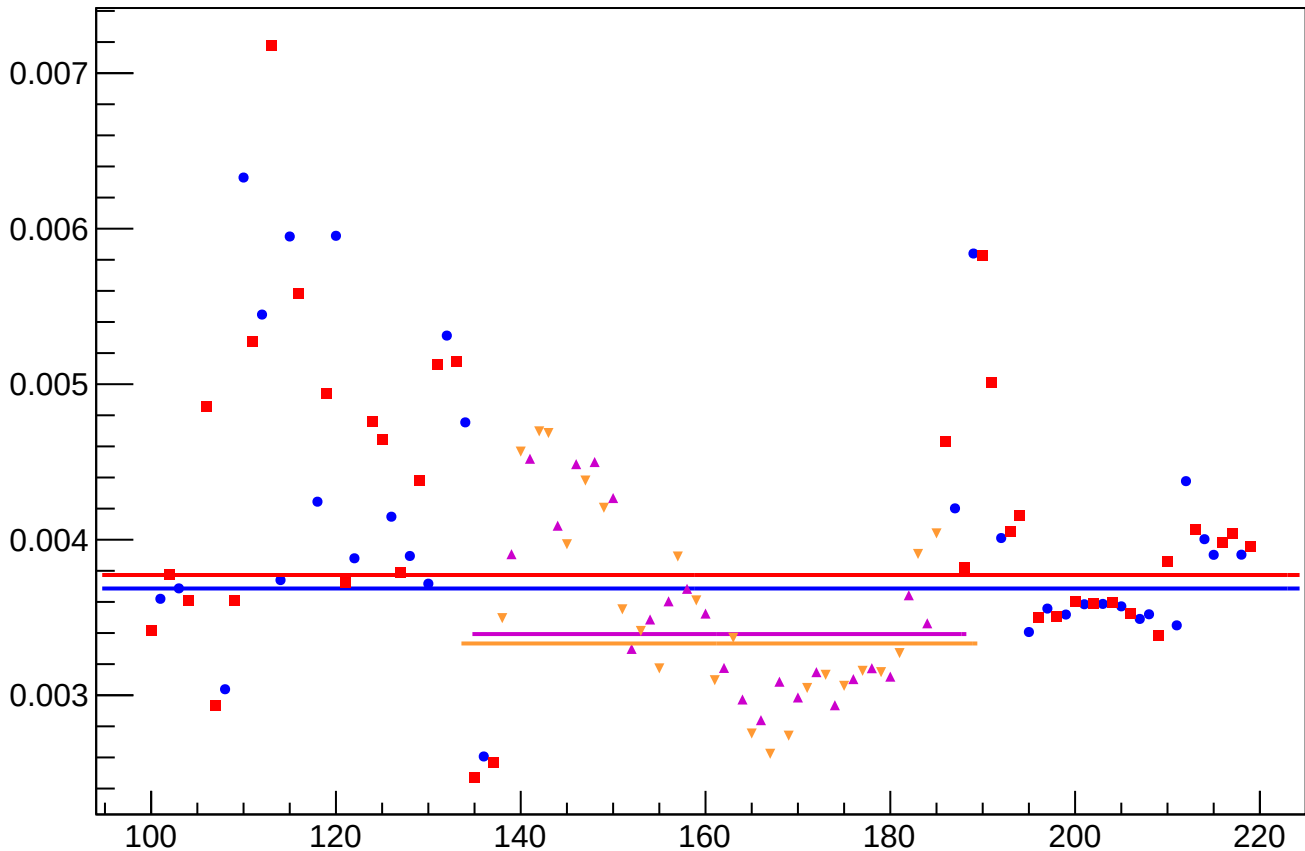
Left In: -0.369+/-0.000 χ^2/NDF : 7581323027.3/22

+ sign -0.307+/-0.000 χ^2/NDF : 35663794868.6/56

All: -0.305+/-0.000 χ^2/NDF : 68983388931.8/100

- sign -0.302+/-0.000 χ^2/NDF : 33286975147.6/59

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 981966.9/31

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:857705.2/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1139193.3/36

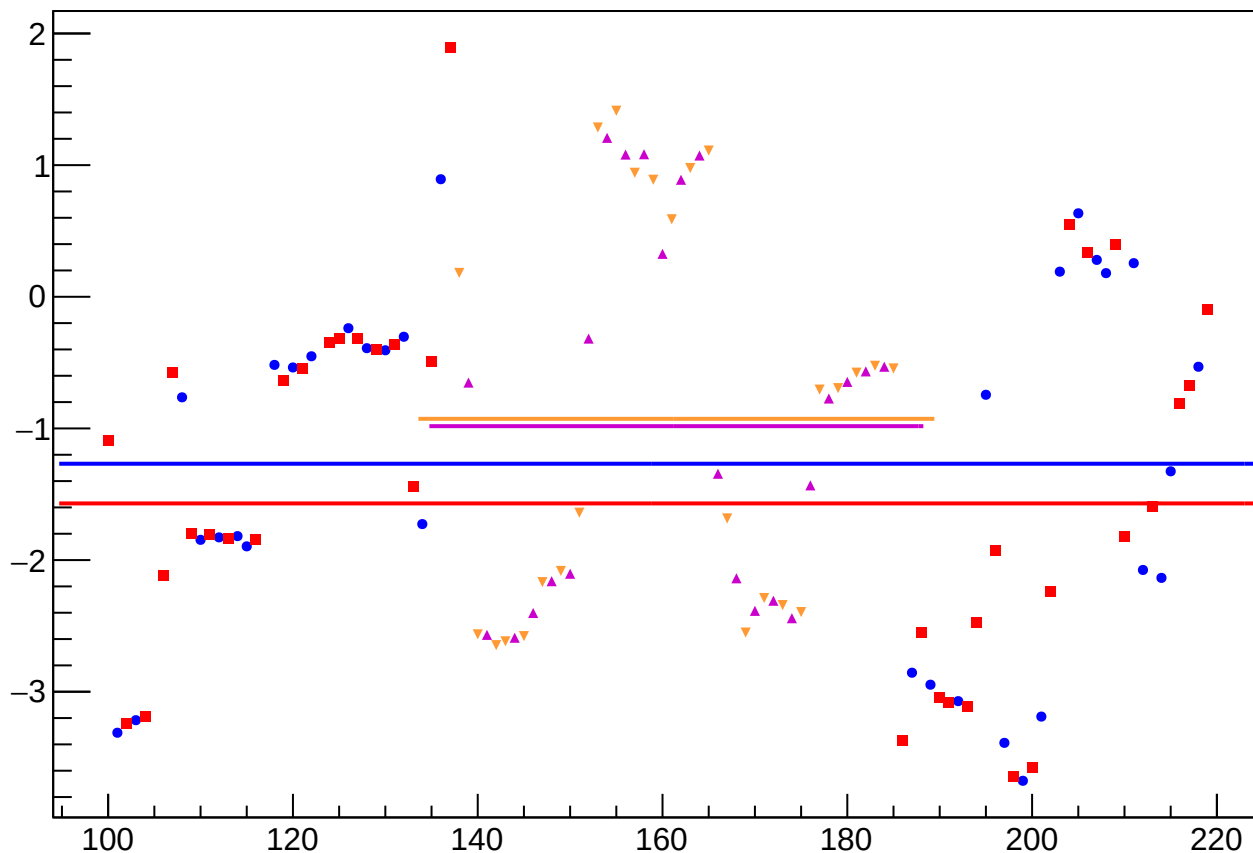
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:633604.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2020791.9/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4015280.4/116

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1974794.3/59

yield_bpm0r03X_mean vs Slug



Right In: -1.268+/-0.000 χ^2 /NDF: 7151051970.3/31

Left Out: -0.927+/-0.000 χ^2 /NDF: 7248712470.7/24

Right Out: -1.570+/-0.000 χ^2 /NDF: 6423556263.8/36

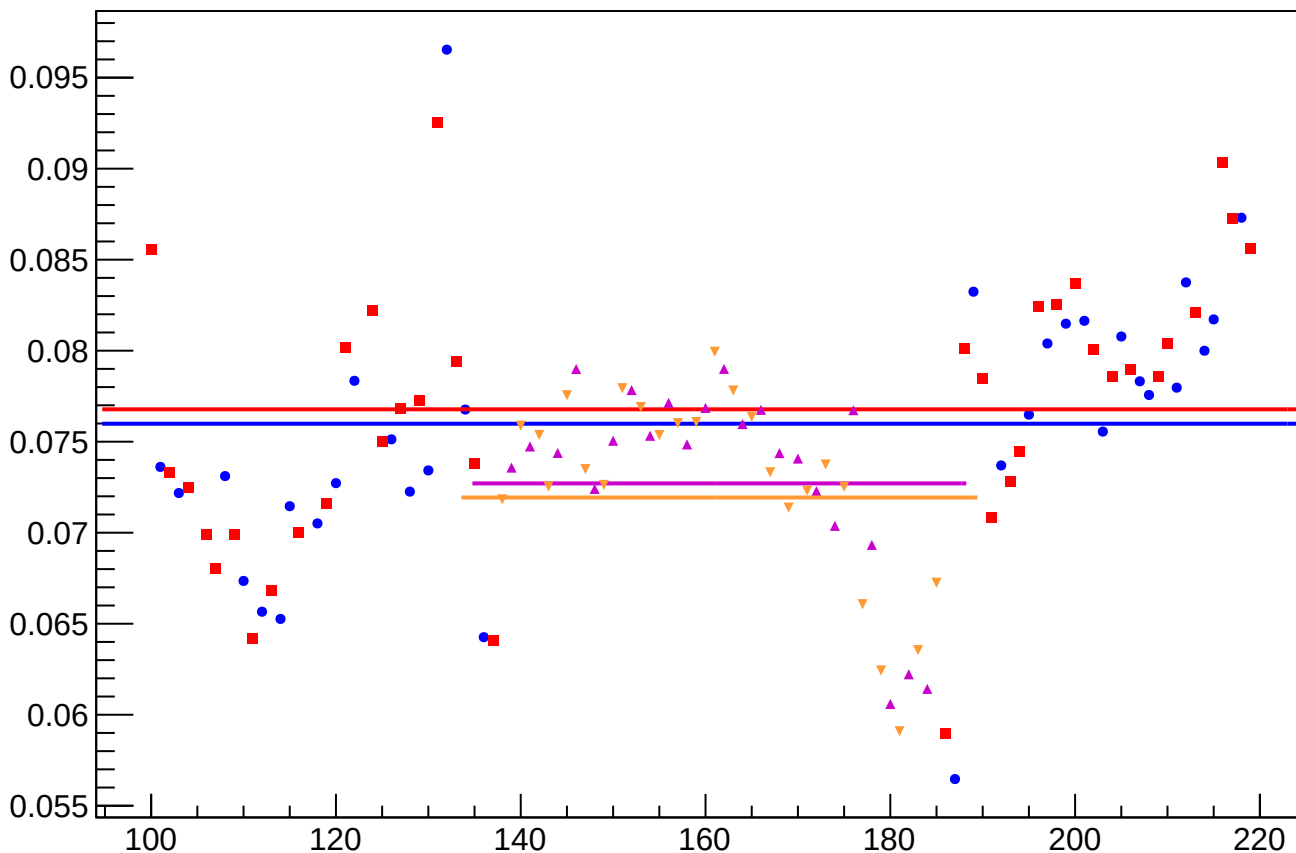
Left In: -0.983+/-0.000 χ^2 /NDF: 5918975536.0/22

+ sign -1.092+/-0.000 χ^2 /NDF: 14605637200.5/56

All: -1.187+/-0.000 χ^2 /NDF: 27677480906.3/100

- sign -1.284+/-0.000 χ^2 /NDF: 12941700314.3/59

yield_bpm0r03X_rms vs Slug



Right In: 0.076 ± 0.000 $\chi^2/\text{NDF}: 294594.7/31$

Left Out: 0.072 ± 0.000 $\chi^2/\text{NDF}: 235534.6/24$

Right Out: 0.077 ± 0.000 $\chi^2/\text{NDF}: 348877.6/36$

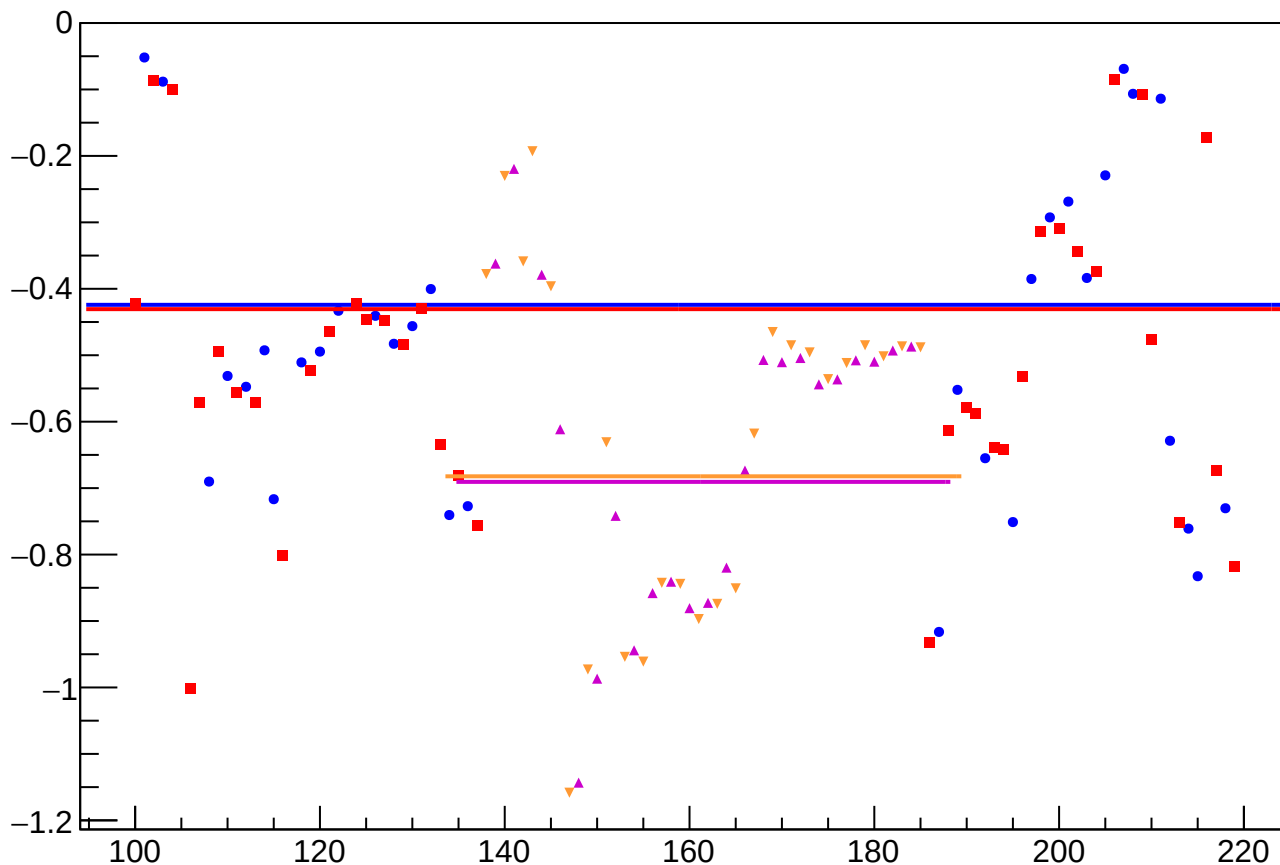
Left In: 0.073 ± 0.000 $\chi^2/\text{NDF}: 197009.2/22$

+ sign 0.074 ± 0.000 $\chi^2/\text{NDF}: 588246.1/56$

All: 0.074 ± 0.000 $\chi^2/\text{NDF}: 1197553.5/116$

- sign 0.075 ± 0.000 $\chi^2/\text{NDF}: 603505.1/59$

yield_bpm0r03Y_mean vs Slug



Right In: -0.424+/-0.000 χ^2/NDF : 20774192879.0/31

Left Out: -0.682+/-0.000 χ^2/NDF : 21823342960.4/24

Right Out: -0.431+/-0.000 χ^2/NDF : 15890396985.7/36

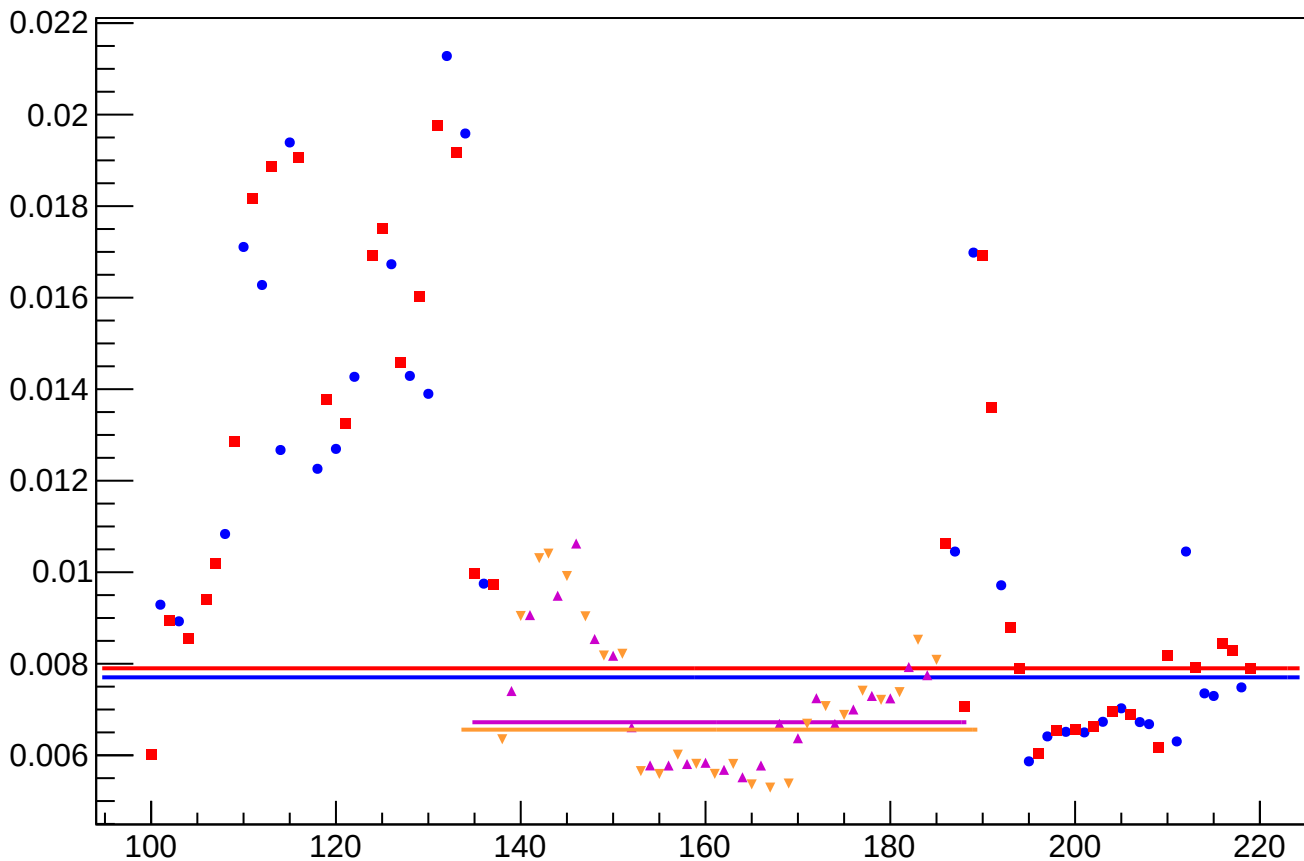
Left In: -0.691+/-0.000 χ^2/NDF : 16867819938.3/22

+ sign -0.575+/-0.000 χ^2/NDF : 53904860421.3/56

All: -0.576+/-0.000 χ^2/NDF : 97618127104.2/104

- sign -0.576+/-0.000 χ^2/NDF : 43712345395.4/59

yield_bpm0r03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 3194345.4/31

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1404221.4/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3266763.0/36

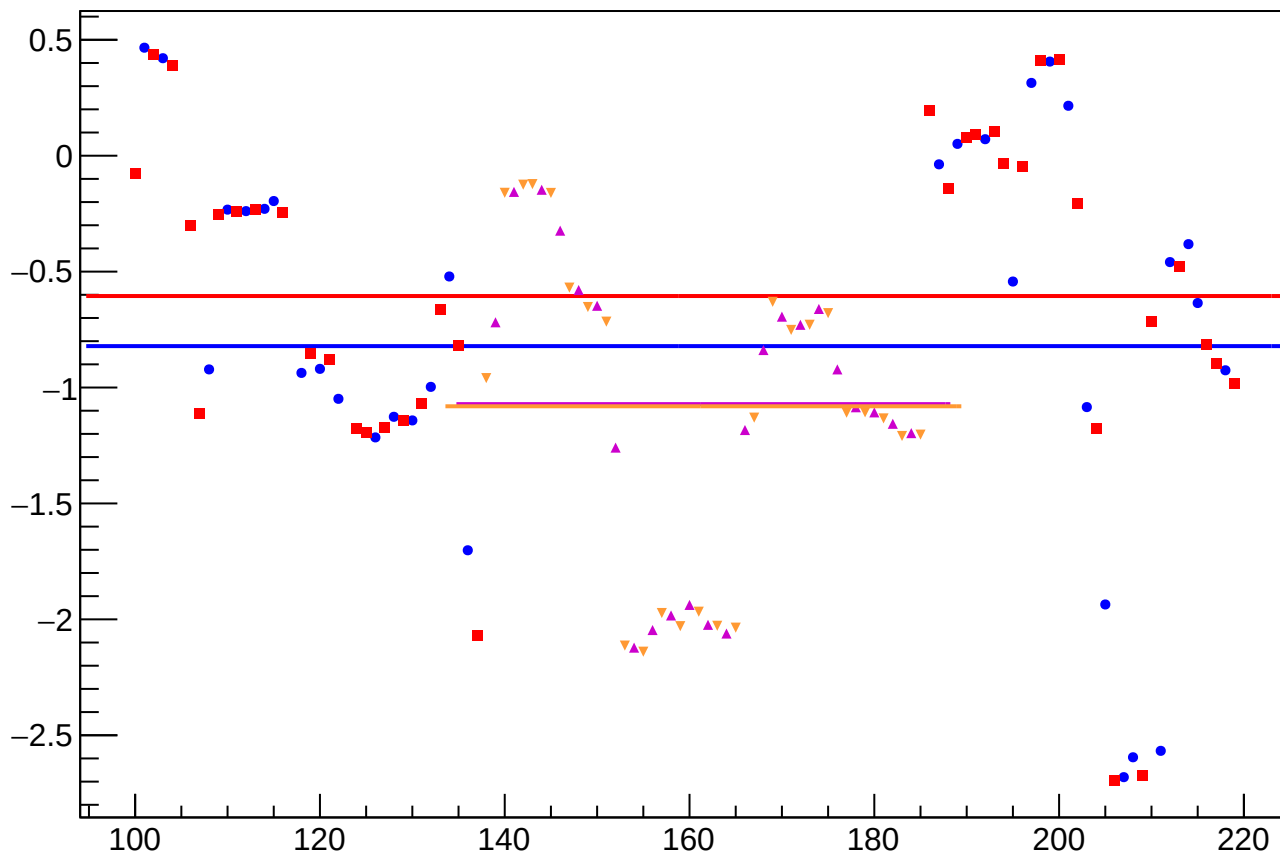
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:960755.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5041985.2/56

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 9748014.6/116

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4677948.9/59

yield_bpm0r05X_mean vs Slug



Right In: -0.821 ± 0.000 $\chi^2/\text{NDF}: 1987025889.8/31$

Left Out: -1.081 ± 0.000 $\chi^2/\text{NDF}: 1152285460.9/24$

Right Out: -0.605 ± 0.000 $\chi^2/\text{NDF}: 1684275067.3/36$

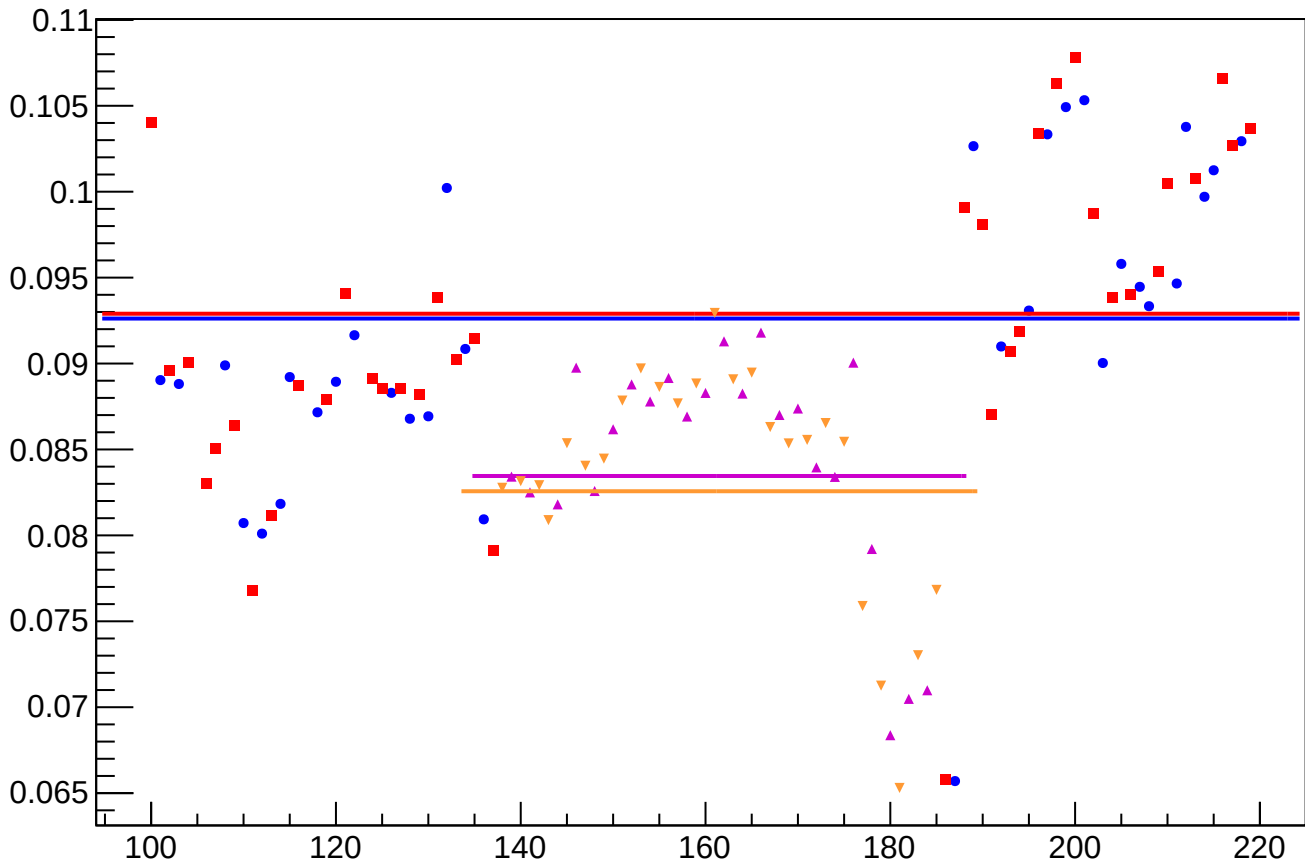
Left In: -1.072 ± 0.000 $\chi^2/\text{NDF}: 975623531.2/22$

+ sign -0.963 ± 0.000 $\chi^2/\text{NDF}: 3224928192.9/56$

All: -0.904 ± 0.000 $\chi^2/\text{NDF}: 6195433391.5/1$

- sign -0.845 ± 0.000 $\chi^2/\text{NDF}: 2934706098.9/59$

yield_bpm0r05X_rms vs Slug



Right In: 0.093 $\pm$ 0.000 χ^2 /NDF: 311399.6/31

Left Out: 0.083 $\pm$ 0.000 χ^2 /NDF:291134.3/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 425221.8/36

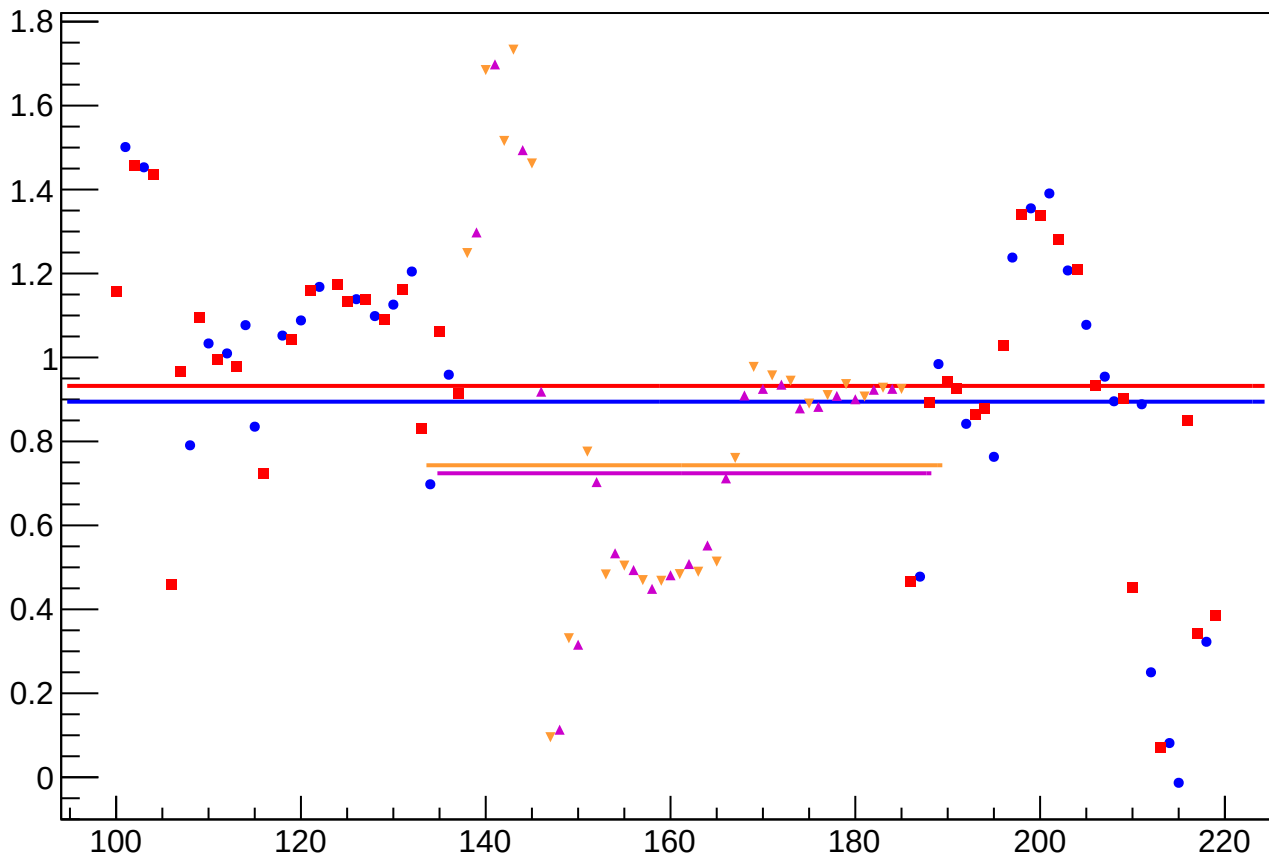
Left In: 0.083 $\pm$ 0.000 χ^2 /NDF:238412.3/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 859194.0/56

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 1752584.8/116

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 889011.7/59

yield_bpm0r05Y_mean vs Slug



Right In: 0.895 ± 0.000 χ^2/NDF : 25044932519.7/31

Left Out: 0.743 ± 0.000 χ^2/NDF : 32581746516.6/24

Right Out: 0.932 ± 0.000 χ^2/NDF : 17932029082.3/36

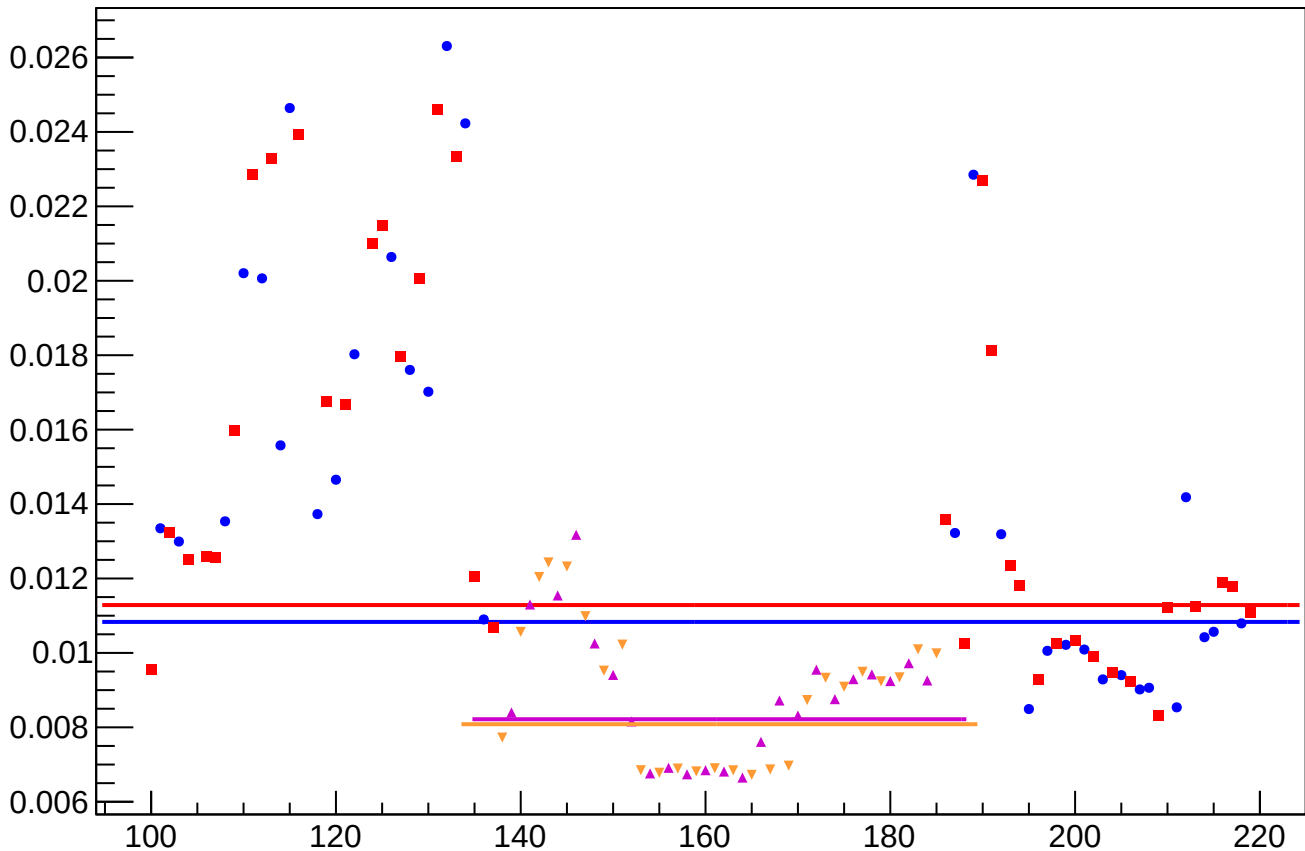
Left In: 0.724 ± 0.000 χ^2/NDF : 25654534031.9/22

+ sign 0.797 ± 0.000 χ^2/NDF : 59844043613.5/56

All: 0.799 ± 0.000 χ^2/NDF : 107398267375.2

- sign 0.801 ± 0.000 χ^2/NDF : 47551181389.4/59

yield_bpm0r05Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2399098.0/31

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1406307.1/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 2464288.7/36

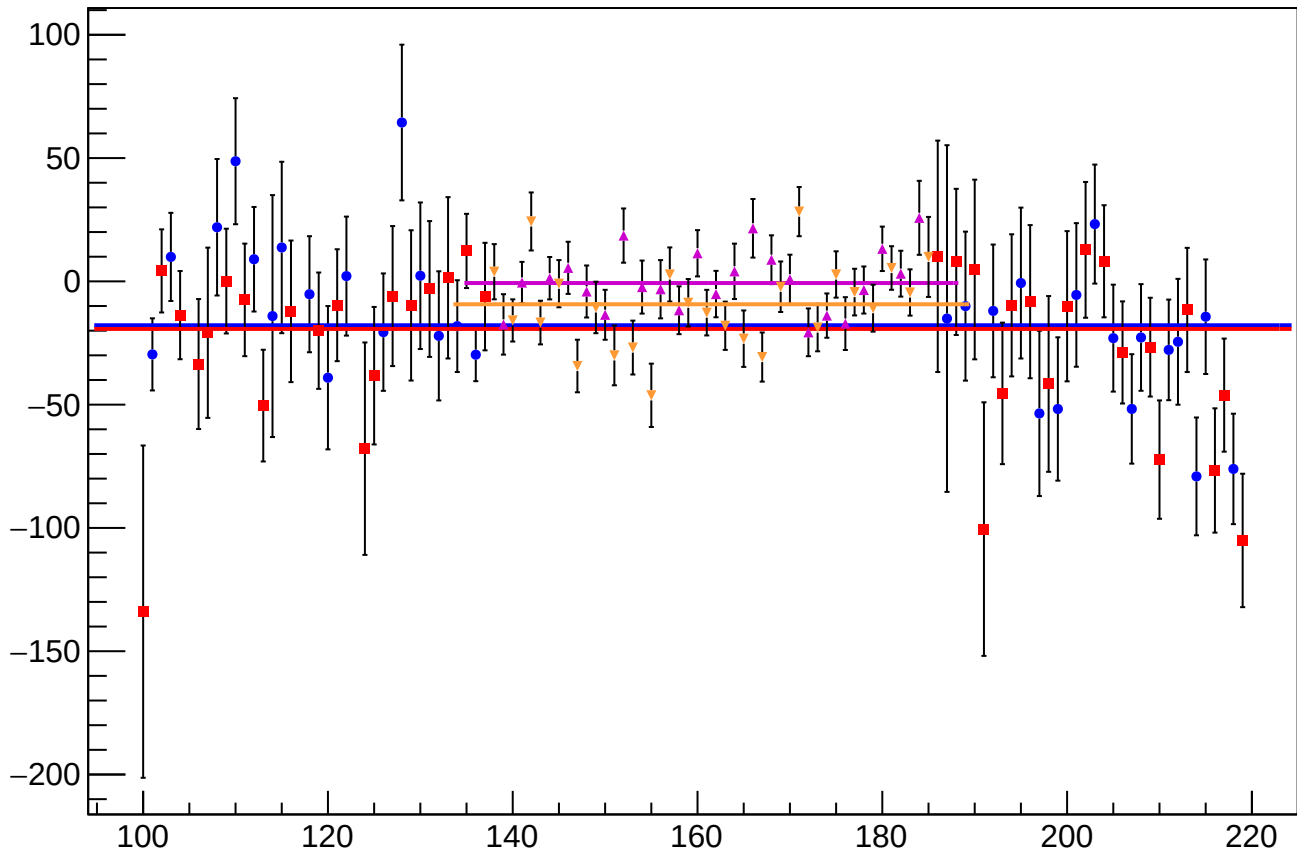
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1127833.6/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 5267072.6/56

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 10616127.3/116

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 5315236.3/59

diff_bpm4aX_mean vs Slug



Right In: -17.803 ± 4.073 $\chi^2/\text{NDF}: 46.5/31$

Left Out: -9.292 ± 2.031 $\chi^2/\text{NDF}: 61.1/24$

Right Out: -19.288 ± 4.175 $\chi^2/\text{NDF}: 46.5/36$

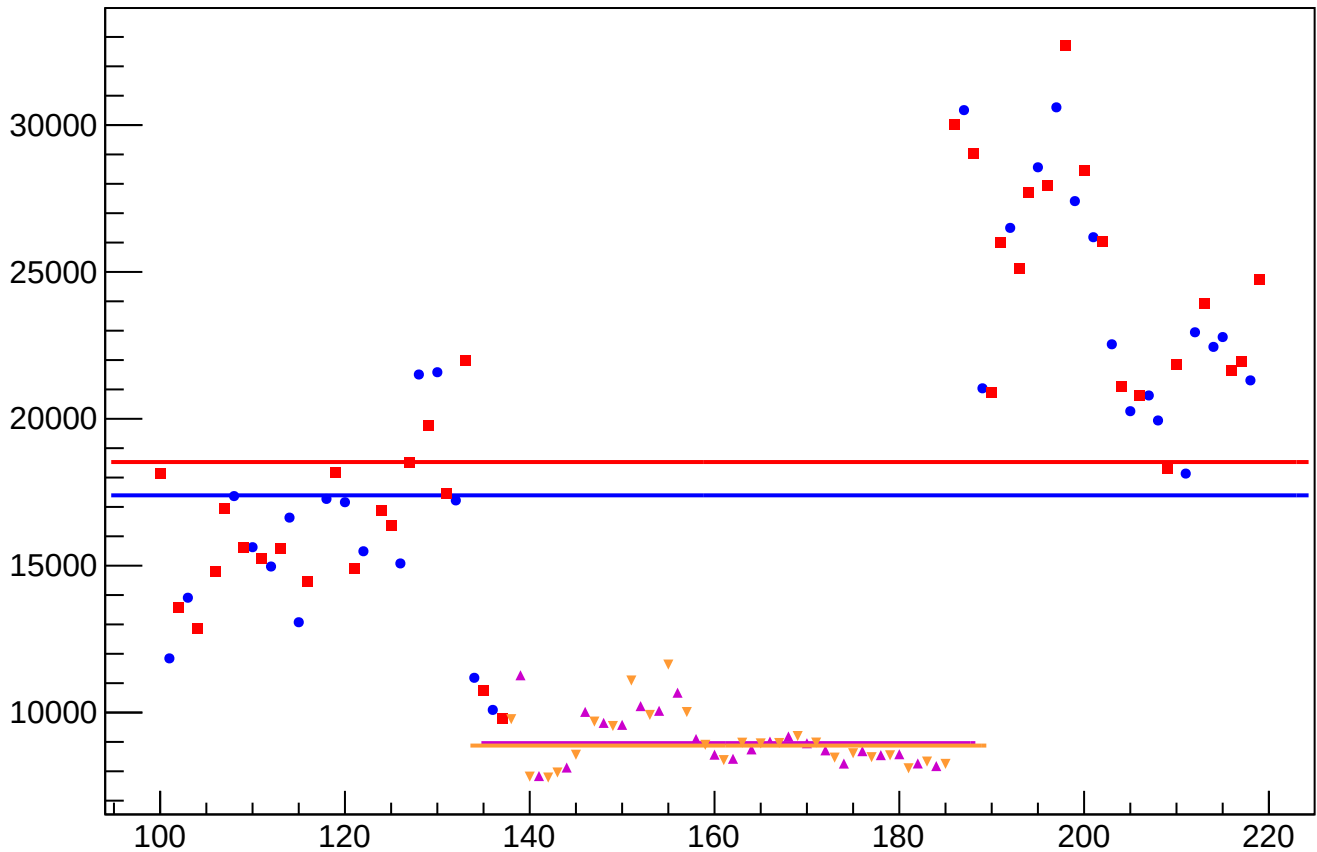
Left In: -0.676 ± 2.104 $\chi^2/\text{NDF}: 29.4/22$

+ sign -10.986 ± 1.817 $\chi^2/\text{NDF}: 111.1/56$

All: -7.825 ± 1.306 $\chi^2/\text{NDF}: 209.1/116$

- sign -4.446 ± 1.879 $\chi^2/\text{NDF}: 91.8/59$

diff_bpm4aX_rms vs Slug



Right In: 17394.412 $\pm$ 2.880 χ^2 /NDF: 3564505.6/31

Left Out: 8875.623 $\pm$ 1.436 χ^2 /NDF:346964.6/24

Right Out: 18528.094 $\pm$ 2.952 χ^2 /NDF: 3472044.6/36

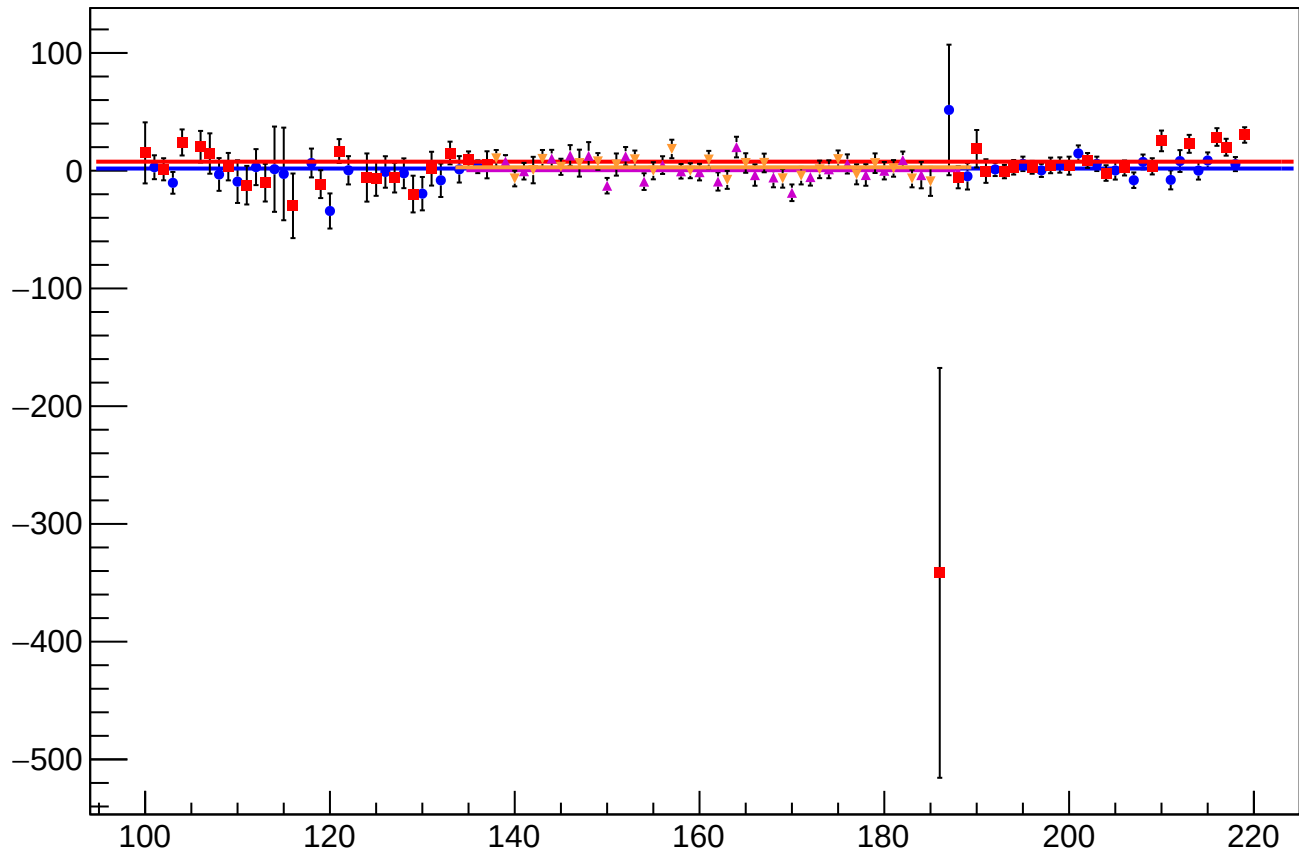
Left In: 8958.661 $\pm$ 1.488 χ^2 /NDF:301724.6/22

+ sign 10571.325 $\pm$ 1.285 χ^2 /NDF: 10918167.2/56

All: 10728.708 $\pm$ 0.924 χ^2 /NDF: 23101532.5

- sign 10896.970 $\pm$ 1.329 χ^2 /NDF: 12152327.8/59

diff_bpm4aY_mean vs Slug



Right In: 1.837 ± 1.498 χ^2/NDF : 23.5/31

Left Out: 2.879 ± 1.554 χ^2/NDF : 19.5/24

Right Out: 7.669 ± 1.467 χ^2/NDF : 63.4/36

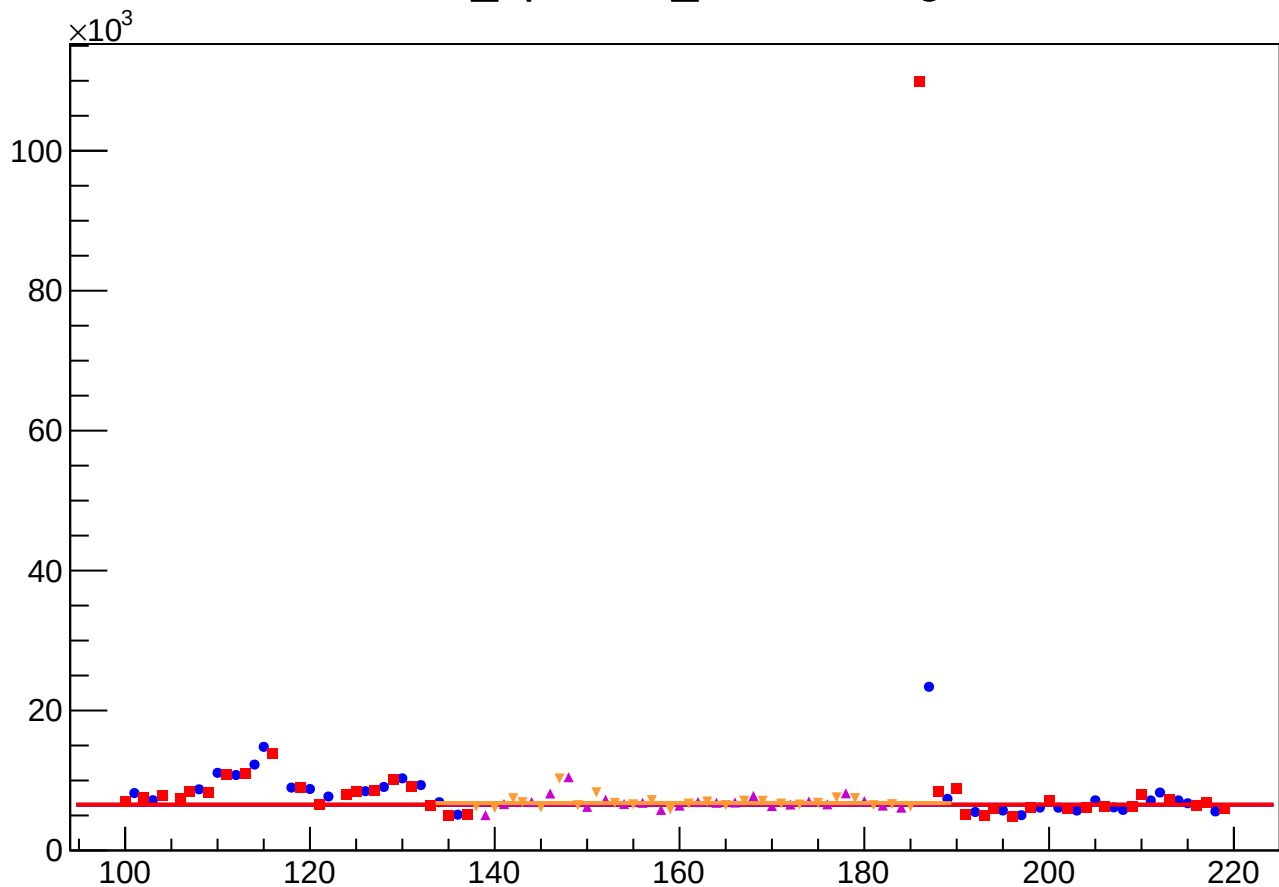
Left In: 0.456 ± 1.581 χ^2/NDF : 32.8/22

+ sign 2.339 ± 1.079 χ^2/NDF : 43.3/56

All: 3.338 ± 0.762 χ^2/NDF : 152.3/116

- sign 4.332 ± 1.076 χ^2/NDF : 107.4/59

diff_bpm4aY_rms vs Slug



Right In: 6524.340 $\pm$ 1.059 χ^2/NDF : 1852362.2/31

Left Out: 6776.739 $\pm$ 1.099 χ^2/NDF : 400166.7/24

Right Out: 6555.912 $\pm$ 1.038 χ^2/NDF : 2418304.3/36

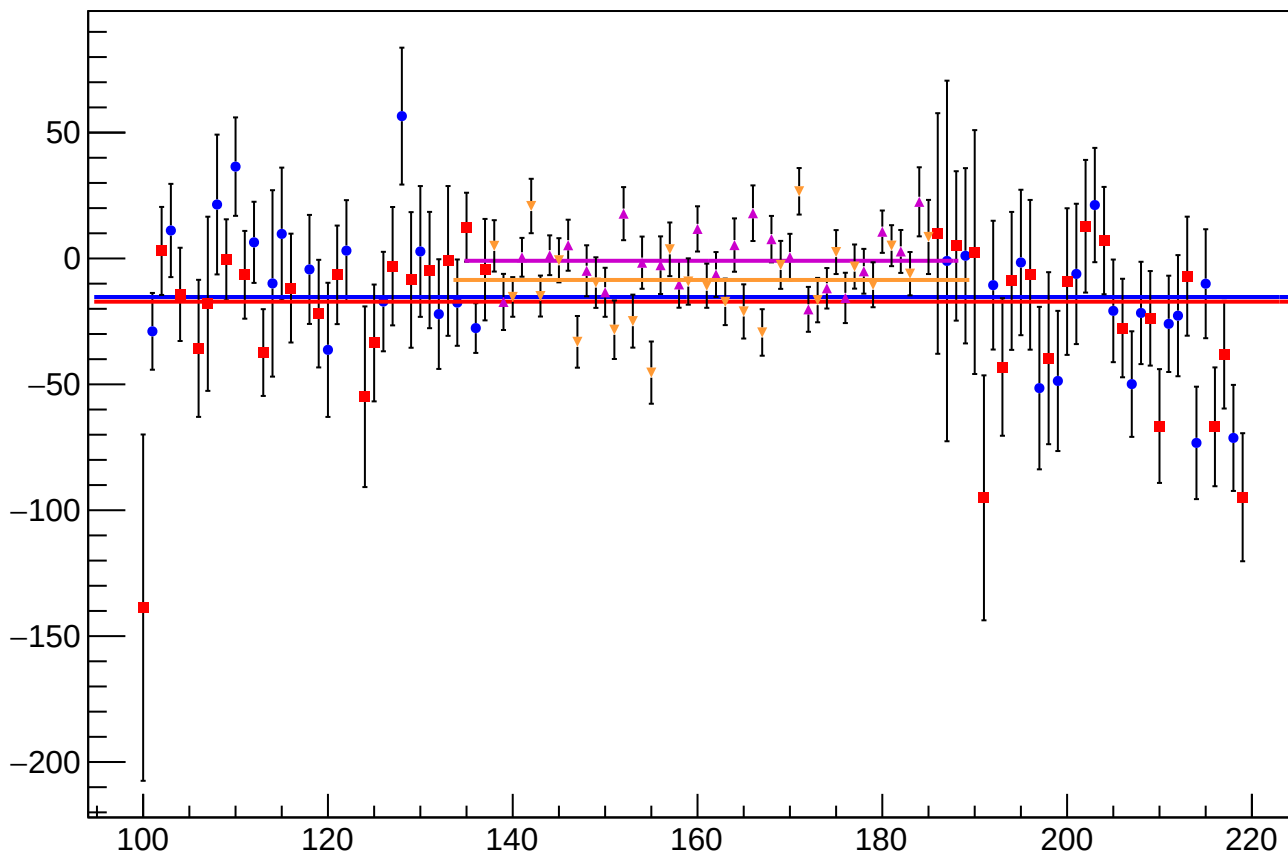
Left In: 6689.550 $\pm$ 1.118 χ^2/NDF : 620276.8/22

+ sign 6645.952 $\pm$ 0.763 χ^2/NDF : 2279876.3/56

All: 6631.811 $\pm$ 0.539 χ^2/NDF : 5326817.2/11

- sign 6617.744 $\pm$ 0.761 χ^2/NDF : 3046255.0/59

diff_bpm4eX_mean vs Slug



Right In: -15.305 ± 3.739 χ^2/NDF : 48.3/31

Left Out: -8.536 ± 1.897 χ^2/NDF : 61.9/24

Right Out: -17.160 ± 3.798 χ^2/NDF : 43.8/36

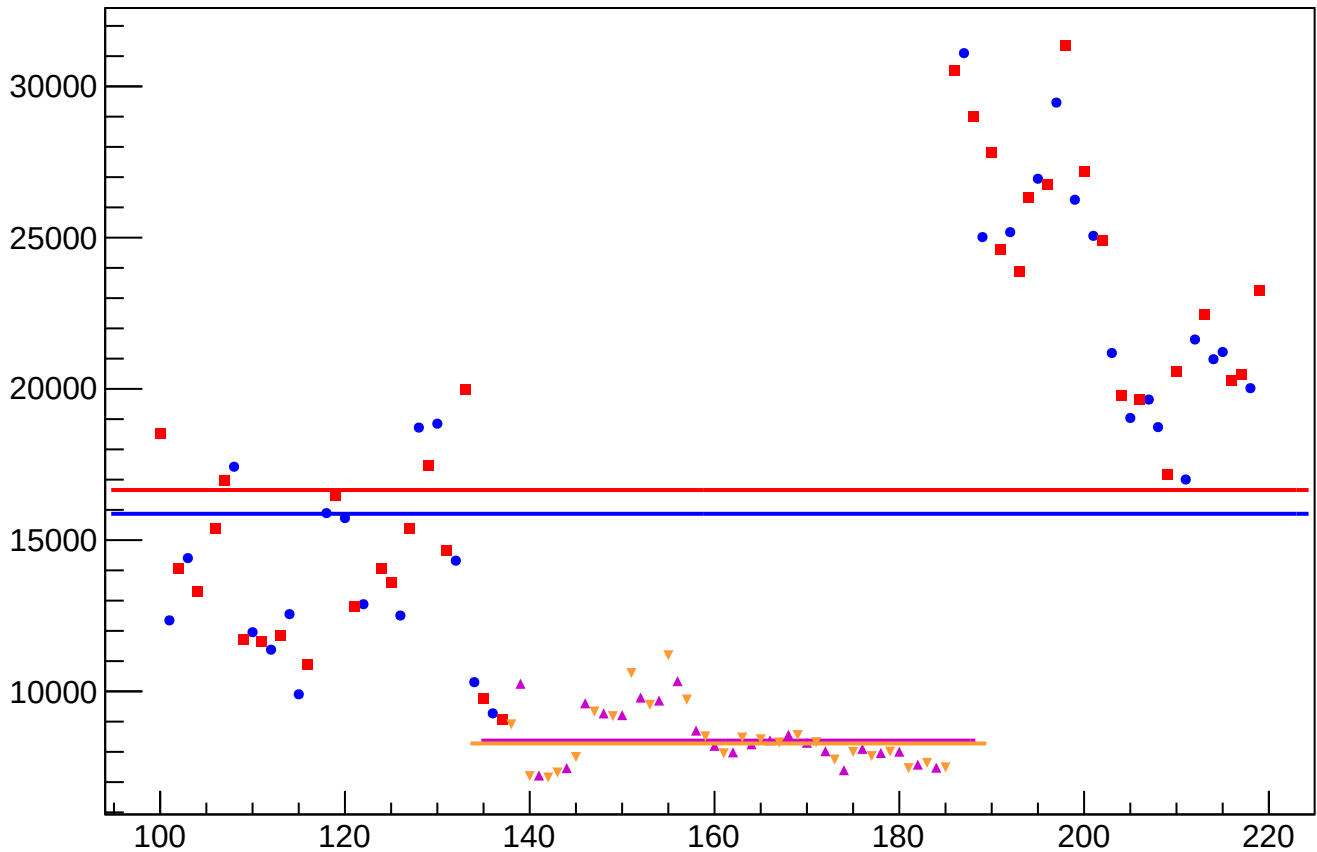
Left In: -0.919 ± 1.969 χ^2/NDF : 29.1/22

+ sign -9.922 ± 1.691 χ^2/NDF : 112.8/56

All: -7.232 ± 1.216 χ^2/NDF : 205.4/116

- sign -4.360 ± 1.748 χ^2/NDF : 87.3/59

diff_bpm4eX_rms vs Slug



Right In: 15870.804+/-2.644 χ^2/NDF : 4073259.7/31

Left Out: 8277.768+/-1.341 χ^2/NDF : 455108.5/24

Right Out: 16656.243+/-2.686 χ^2/NDF : 4368982.3/36

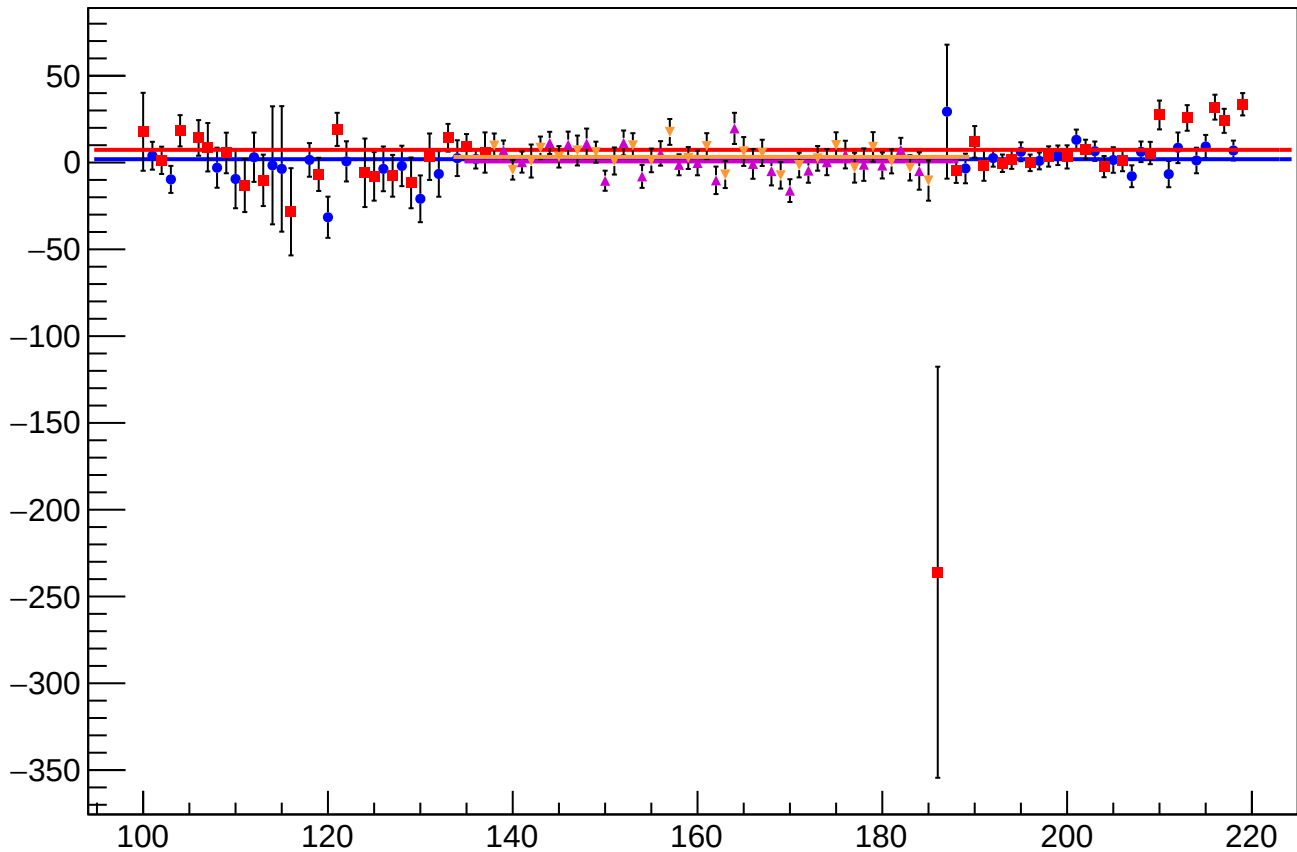
Left In: 8372.363+/-1.392 χ^2/NDF : 392872.1/22

+ sign 9831.941+/-1.196 χ^2/NDF : 11089333.1/56

All: 9974.627+/-0.860 χ^2/NDF : 23379623.0/100

- sign 10127.011+/-1.236 χ^2/NDF : 12260858.1/59

diff_bpm4eY_mean vs Slug



Right In: 1.925 ± 1.363 χ^2/NDF : 27.2/31

Left Out: 3.255 ± 1.457 χ^2/NDF : 17.6/24

Right Out: 7.326 ± 1.320 χ^2/NDF : 82.1/36

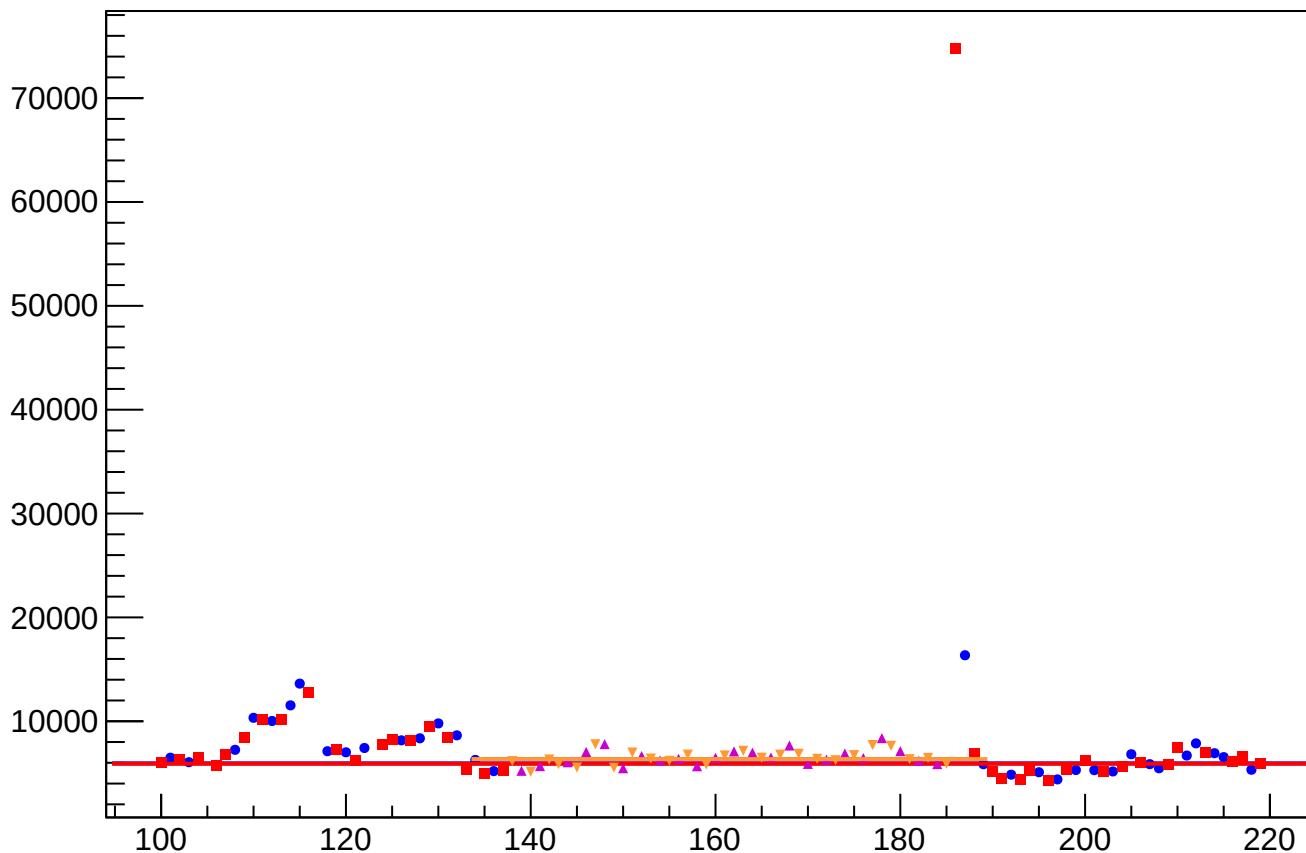
Left In: 0.645 ± 1.499 χ^2/NDF : 30.8/22

+ sign 2.546 ± 0.995 χ^2/NDF : 45.3/56

All: 3.481 ± 0.702 χ^2/NDF : 171.1/116

- sign 4.408 ± 0.991 χ^2/NDF : 124.0/59

diff_bpm4eY_rms vs Slug



Right In: 5944.842 $\pm$ 0.964 χ^2 /NDF: 1801996.0/31

Left Out: 6357.608 $\pm$ 1.030 χ^2 /NDF: 414119.5/24

Right Out: 5909.953 $\pm$ 0.934 χ^2 /NDF: 2454430.9/36

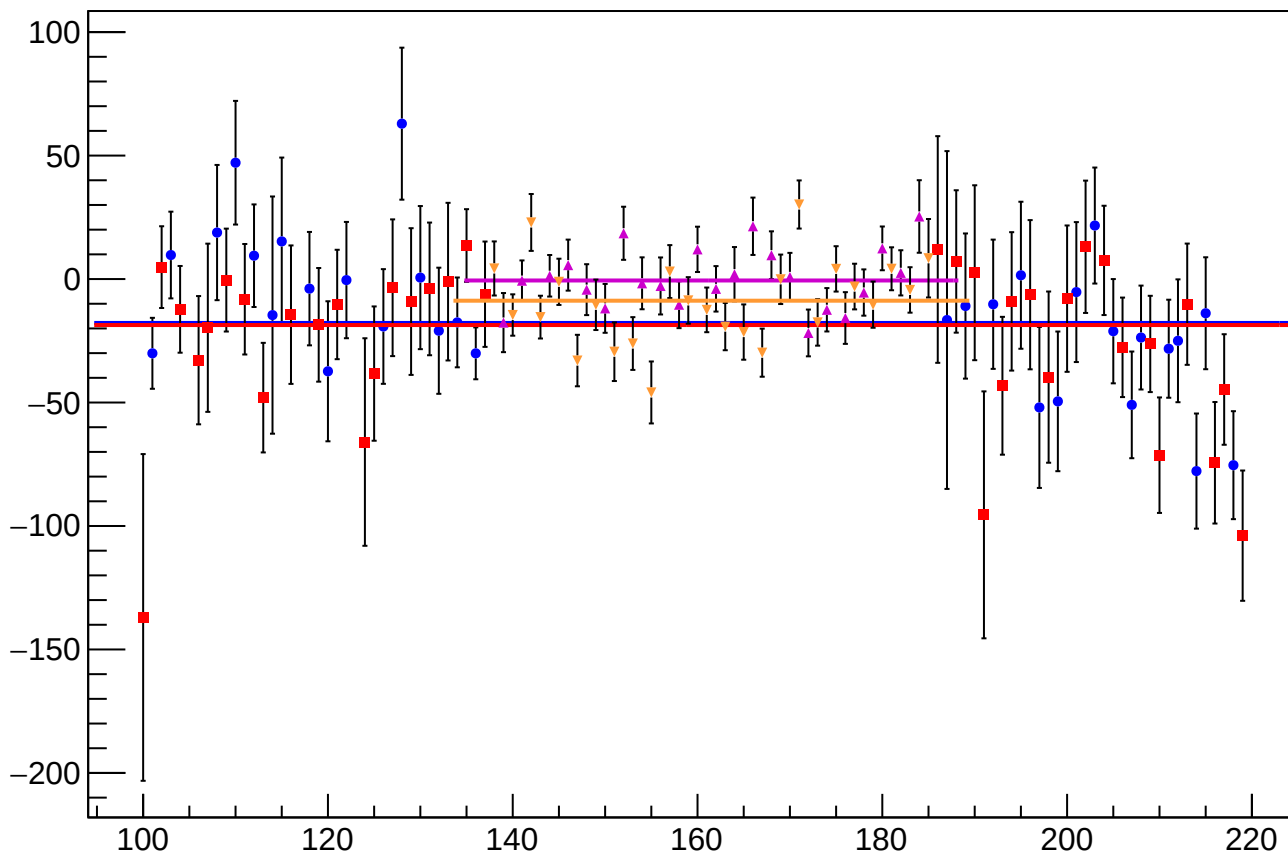
Left In: 6359.907 $\pm$ 1.060 χ^2 /NDF: 473875.4/22

+ sign 6137.453 $\pm$ 0.704 χ^2 /NDF: 2301709.9/56

All: 6121.904 $\pm$ 0.497 χ^2 /NDF: 5332444.6/11

- sign 6106.496 $\pm$ 0.701 χ^2 /NDF: 3029763.1/59

diff_bpm4acX_mean vs Slug



Right In: -17.778 ± 3.978 $\chi^2/\text{NDF}: 46.8/31$

Left Out: -8.767 ± 1.987 $\chi^2/\text{NDF}: 62.7/24$

Right Out: -18.624 ± 4.078 $\chi^2/\text{NDF}: 47.3/36$

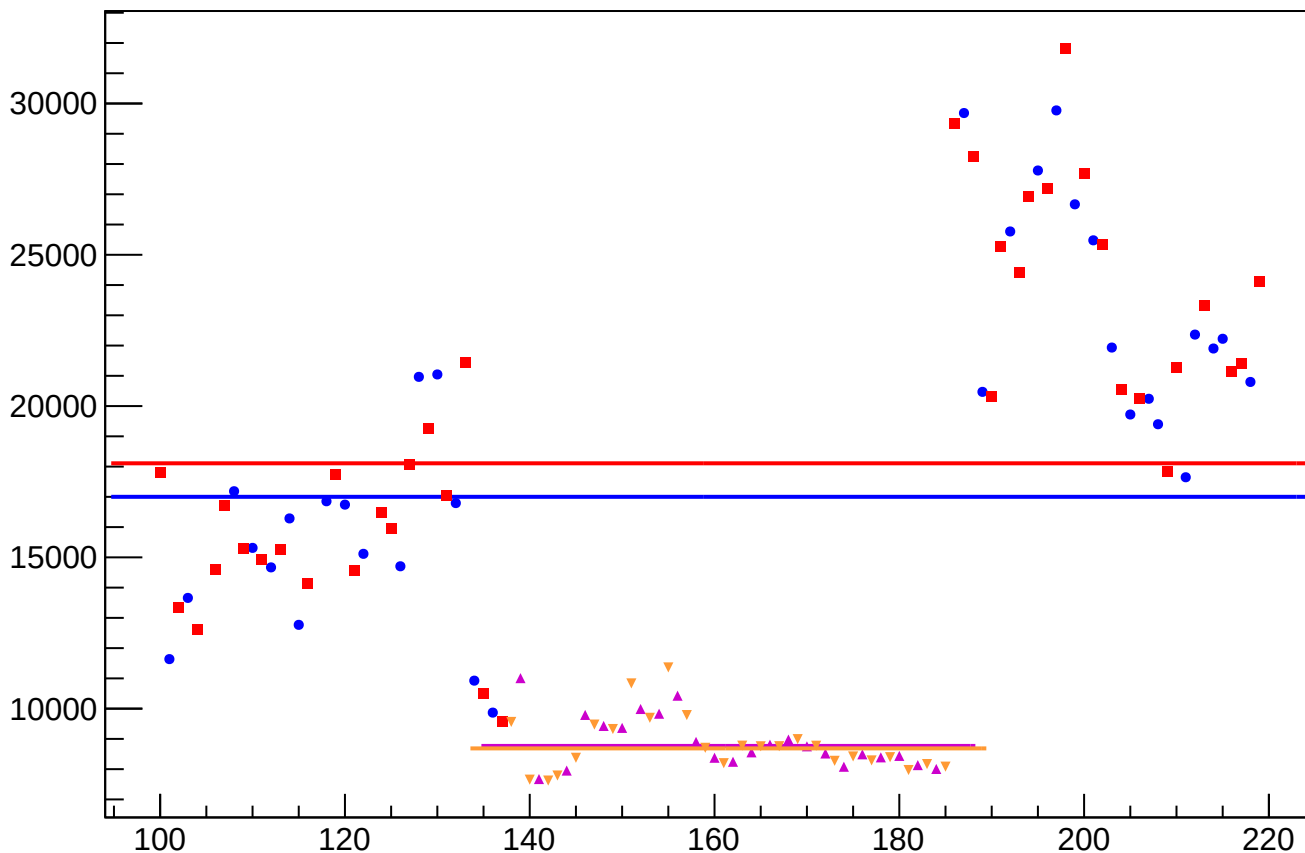
Left In: -0.579 ± 2.059 $\chi^2/\text{NDF}: 29.6/22$

+ sign -10.566 ± 1.778 $\chi^2/\text{NDF}: 113.6/56$

All: -7.511 ± 1.278 $\chi^2/\text{NDF}: 212.2/116$

- sign -4.246 ± 1.838 $\chi^2/\text{NDF}: 92.5/59$

diff_bpm4acX_rms vs Slug



Right In: 17001.042 $\pm$ 2.813 χ^2 /NDF: 3512783.0/31

Left Out: 8686.048 $\pm$ 1.405 χ^2 /NDF:340655.6/24

Right Out: 18108.471 $\pm$ 2.883 χ^2 /NDF: 3416998.6/36

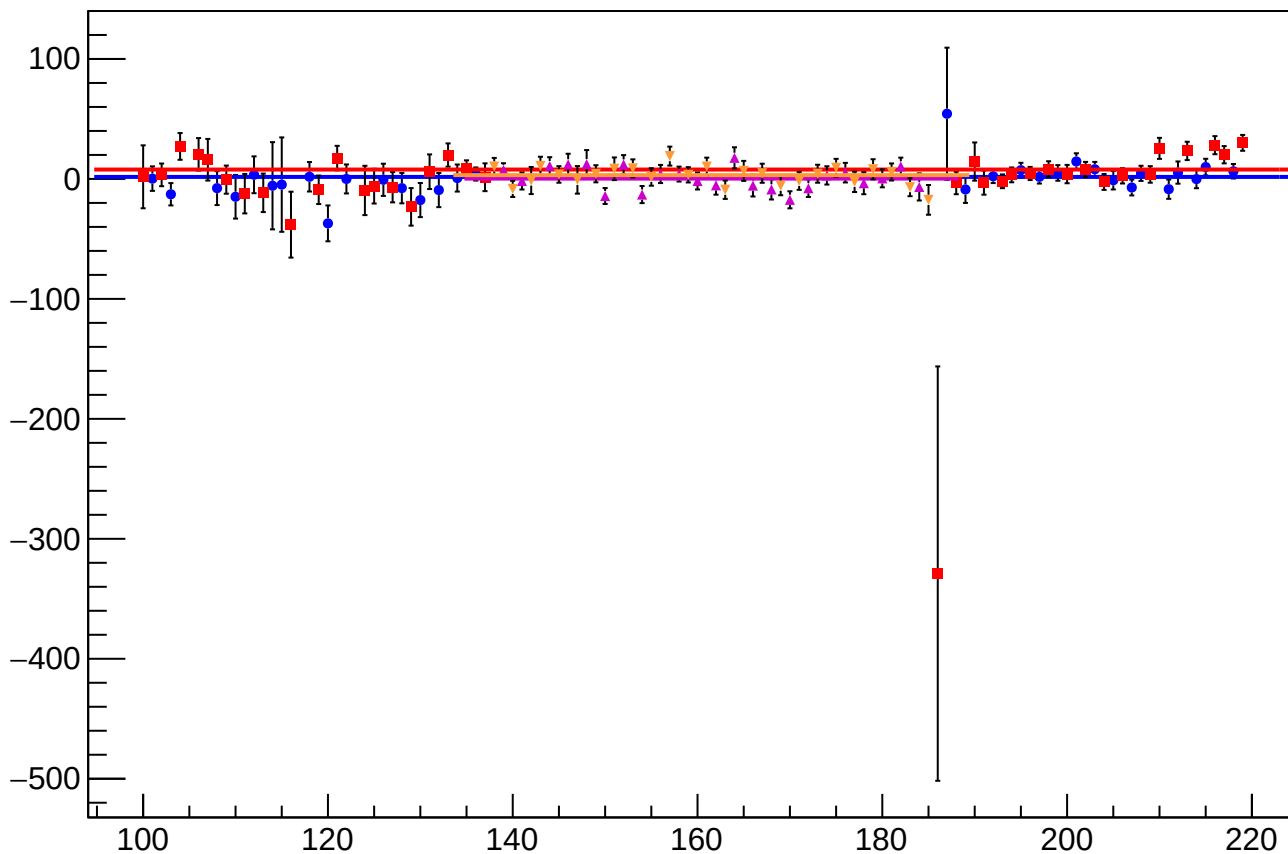
Left In: 8767.705 $\pm$ 1.456 χ^2 /NDF:295552.8/22

+ sign 10346.194 $\pm$ 1.257 χ^2 /NDF: 10846261.6/56

All: 10500.561 $\pm$ 0.904 χ^2 /NDF: 22952316.4

- sign 10665.608 $\pm$ 1.300 χ^2 /NDF: 12074846.3/59

diff_bpm4acY_mean vs Slug



Right In: 1.669 ± 1.503 χ^2/NDF : 27.2/31

Left Out: 3.171 ± 1.562 χ^2/NDF : 21.7/24

Right Out: 7.822 ± 1.472 χ^2/NDF : 66.2/36

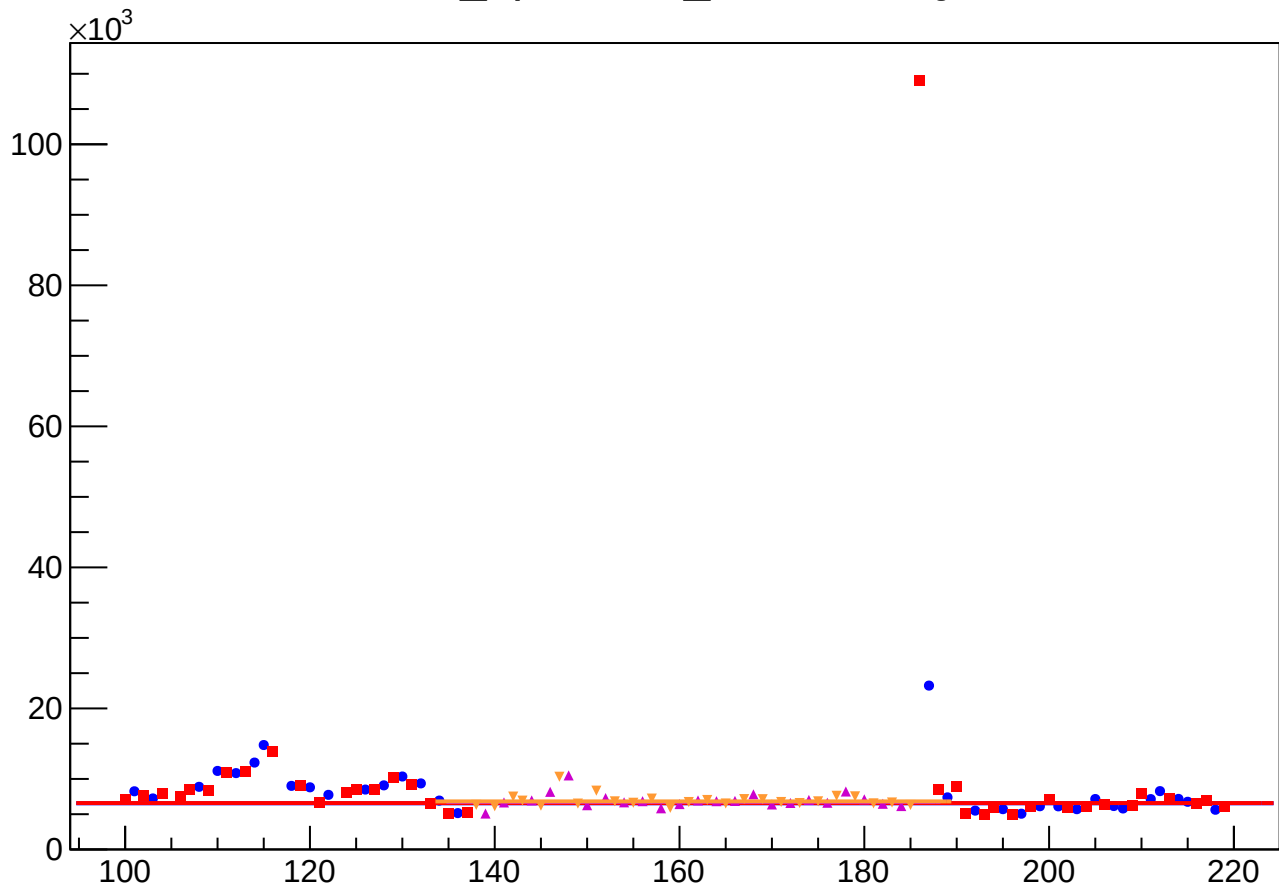
Left In: 0.269 ± 1.590 χ^2/NDF : 34.2/22

+ sign 2.391 ± 1.083 χ^2/NDF : 49.4/56

All: 3.366 ± 0.765 χ^2/NDF : 163.6/116

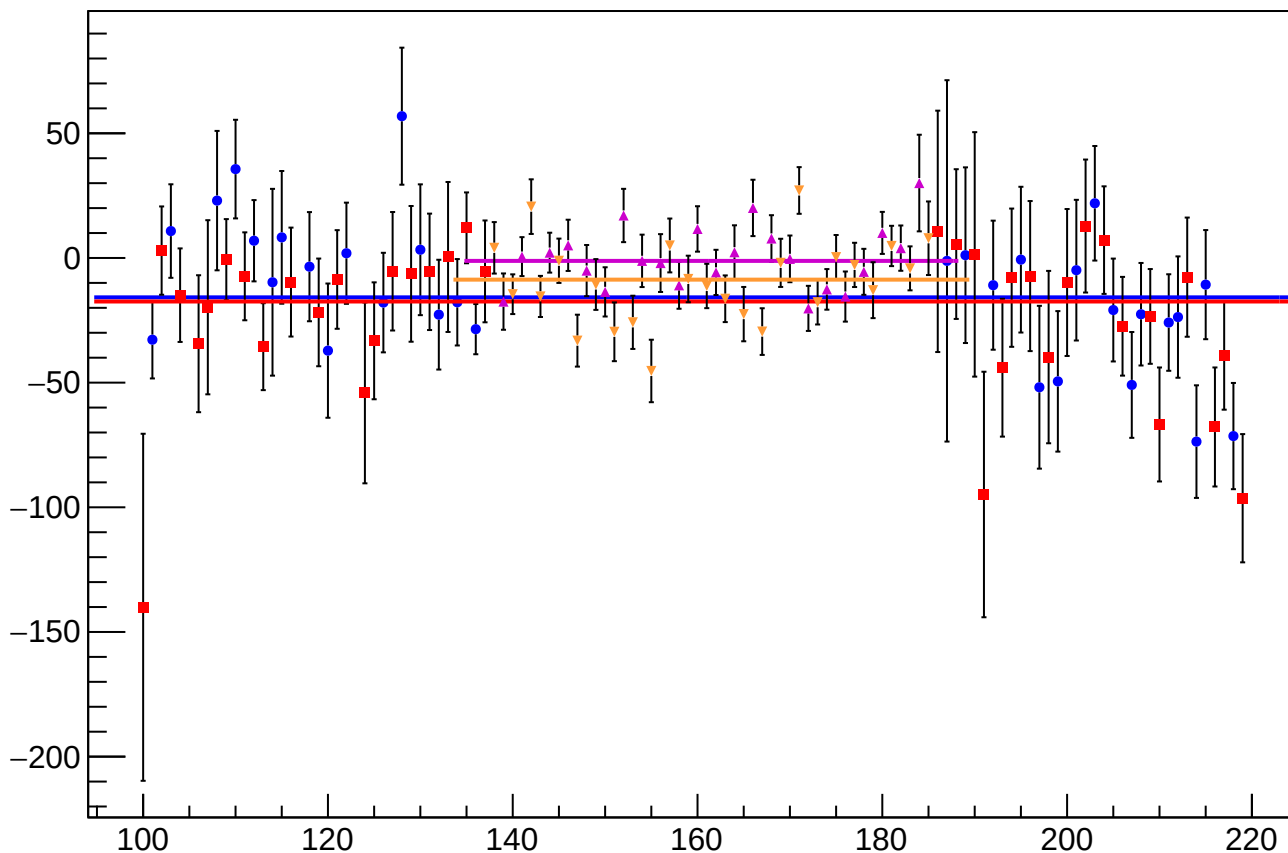
- sign 4.336 ± 1.080 χ^2/NDF : 112.6/59

diff_bpm4acY_rms vs Slug



Right In: 6546.056 $\pm$ 1.063	χ^2/NDF : 1843539.2/31	+ sign 6674.373 $\pm$ 0.766	χ^2/NDF : 2268489.1/56
Left Out: 6812.964 $\pm$ 1.104	χ^2/NDF : 394620.8/24	All: 6661.078 $\pm$ 0.541	χ^2/NDF : 5299594.0/11
Right Out: 6579.249 $\pm$ 1.041	χ^2/NDF : 2411060.5/36	- sign 6647.846 $\pm$ 0.764	χ^2/NDF : 3030503.4/59
Left In: 6727.864 $\pm$ 1.124	χ^2/NDF : 610037.3/22		

diff_bpm4ecX_mean vs Slug



Right In: -15.797 ± 3.788 $\chi^2/\text{NDF}: 48.4/31$

Left Out: -8.692 ± 1.936 $\chi^2/\text{NDF}: 61.4/24$

Right Out: -17.457 ± 3.850 $\chi^2/\text{NDF}: 42.7/36$

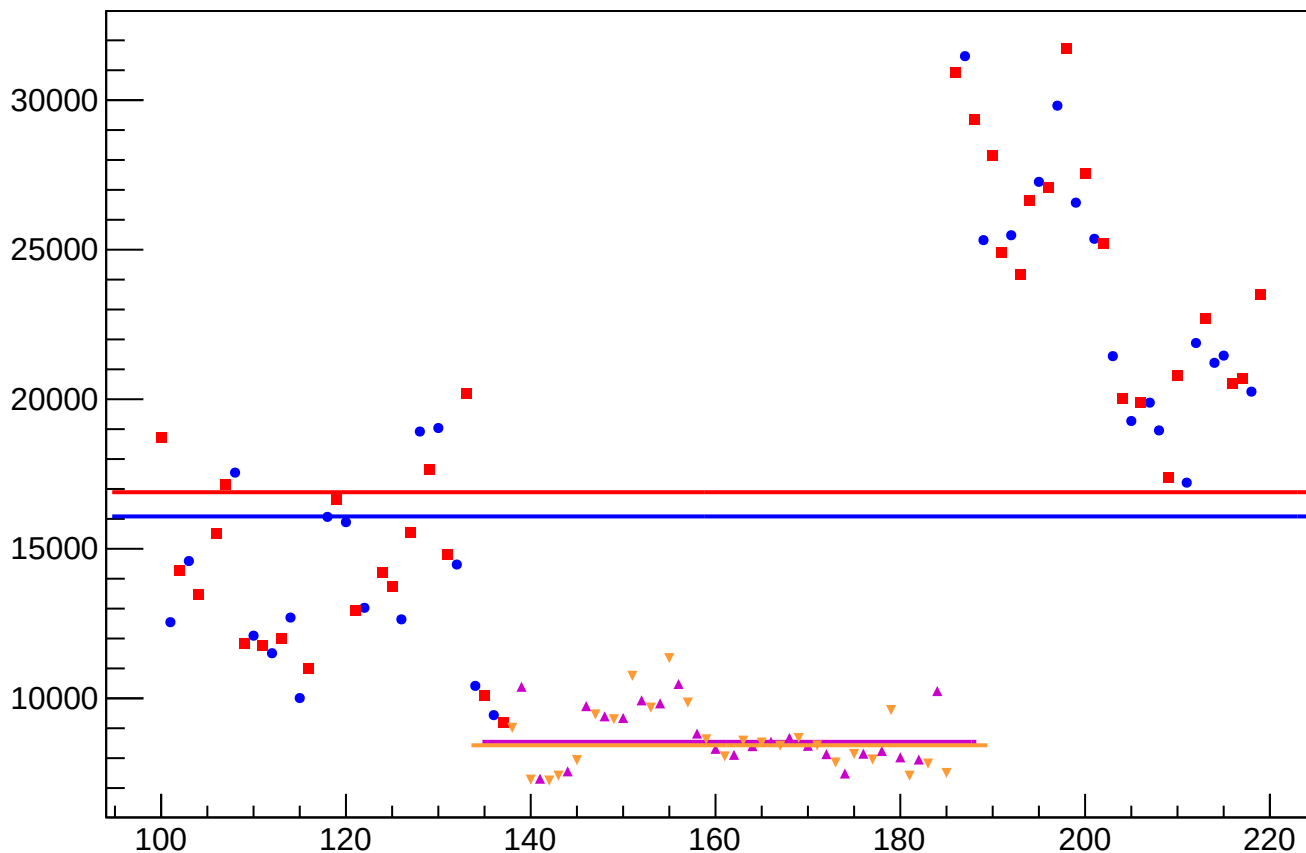
Left In: -1.174 ± 2.012 $\chi^2/\text{NDF}: 28.6/22$

+ sign -10.164 ± 1.724 $\chi^2/\text{NDF}: 112.6/56$

All: -7.509 ± 1.240 $\chi^2/\text{NDF}: 202.8/116$

- sign -4.668 ± 1.783 $\chi^2/\text{NDF}: 85.3/59$

diff_bpm4ecX_rms vs Slug



Right In: 16082.138+/-2.678 χ^2/NDF : 4041501.6/31

Left Out: 8430.683+/-1.369 χ^2/NDF : 484653.2/24

Right Out: 16891.370+/-2.722 χ^2/NDF : 4316741.1/36

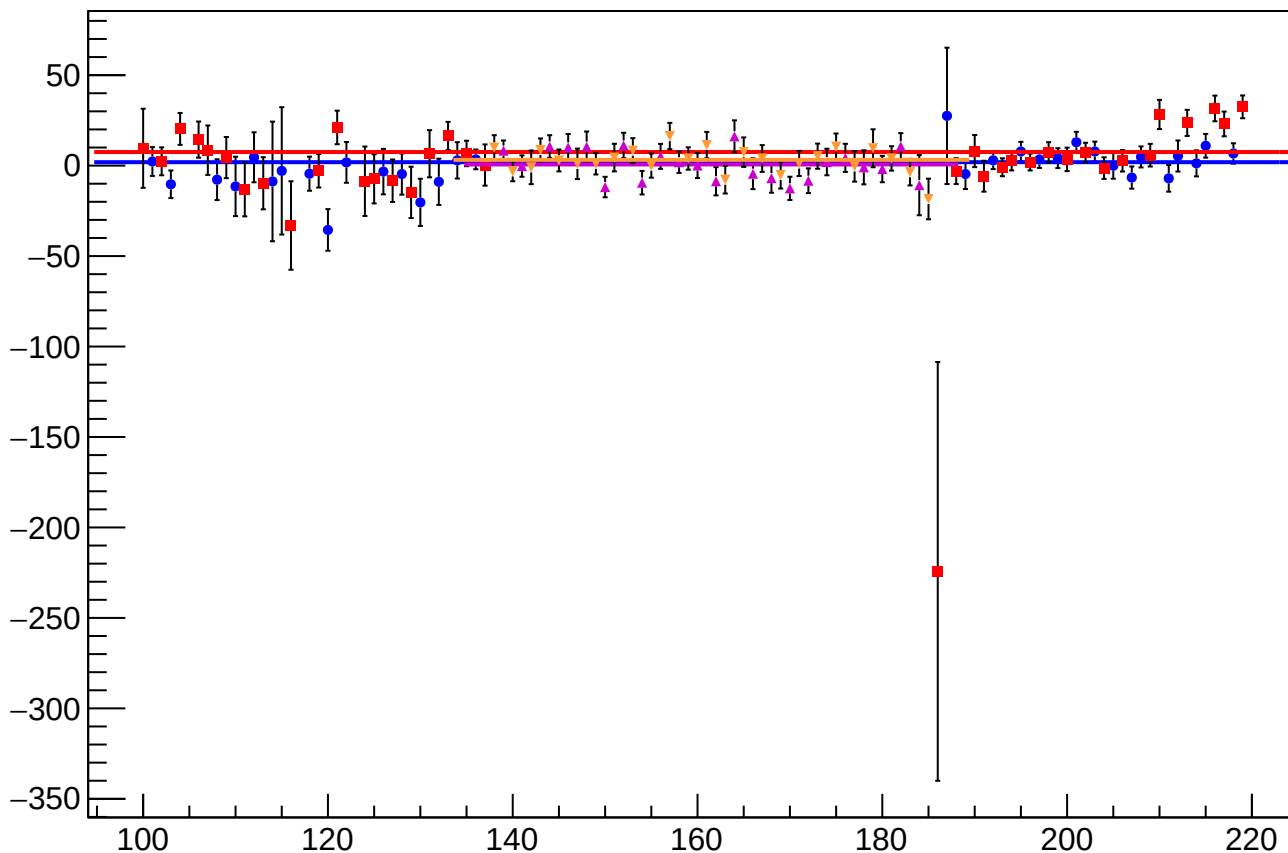
Left In: 8545.534+/-1.423 χ^2/NDF : 389747.0/22

+ sign 10015.901+/-1.219 χ^2/NDF : 10997328.4/56

All: 10170.836+/-0.876 χ^2/NDF : 23119772.9

- sign 10336.640+/-1.261 χ^2/NDF : 12089003.7/59

diff_bpm4ecY_mean vs Slug



Right In: 1.896 ± 1.331 χ^2/NDF : 33.3/31

Left Out: 3.185 ± 1.435 χ^2/NDF : 18.7/24

Right Out: 7.515 ± 1.289 χ^2/NDF : 81.7/36

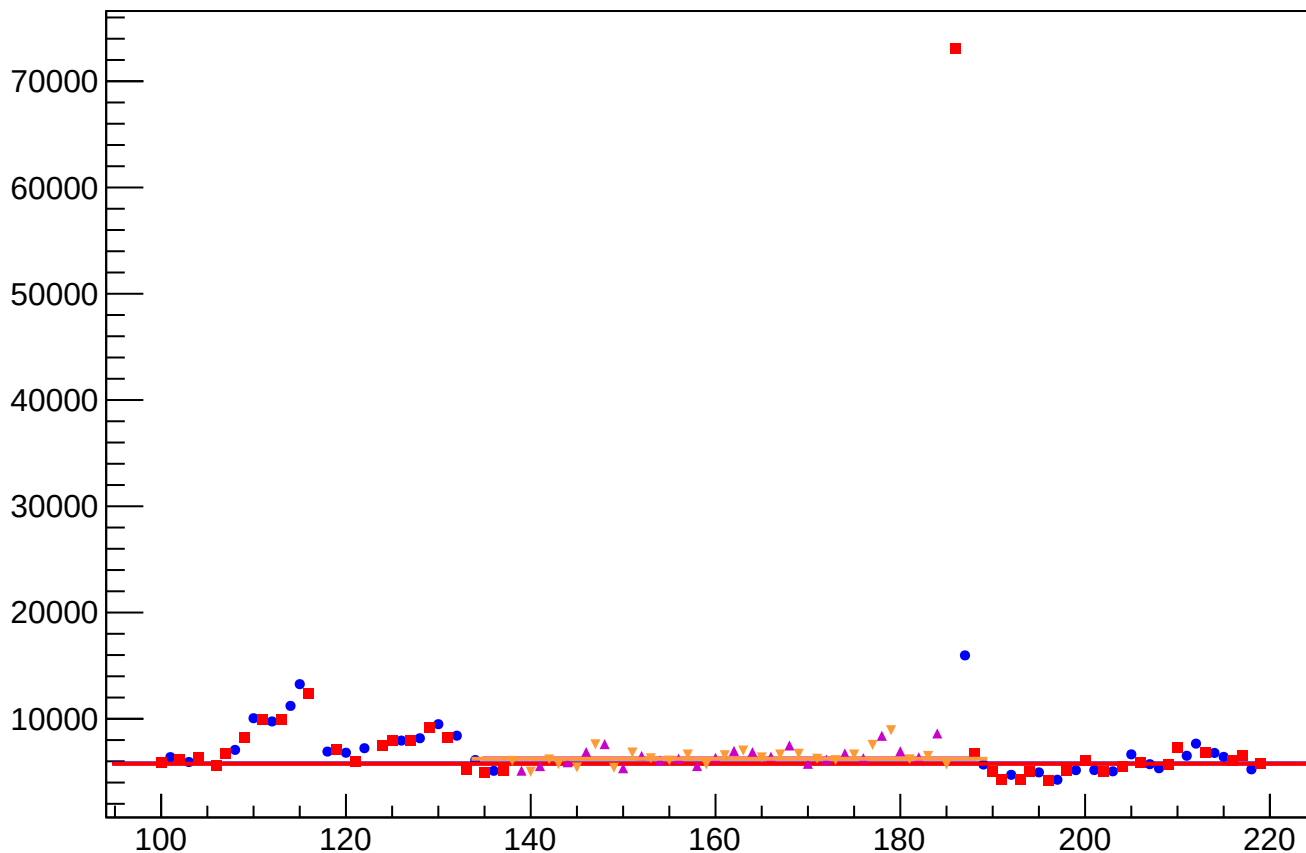
Left In: 0.633 ± 1.482 χ^2/NDF : 31.8/22

+ sign 2.492 ± 0.976 χ^2/NDF : 52.4/56

All: 3.525 ± 0.689 χ^2/NDF : 180.5/116

- sign 4.551 ± 0.972 χ^2/NDF : 125.8/59

diff_bpm4ecY_rms vs Slug



Right In: 5803.406+/-0.941 χ^2 /NDF: 1800932.6/31

Left Out: 6237.931+/-1.015 χ^2 /NDF: 507726.8/24

Right Out: 5766.869+/-0.911 χ^2 /NDF: 2442214.0/36

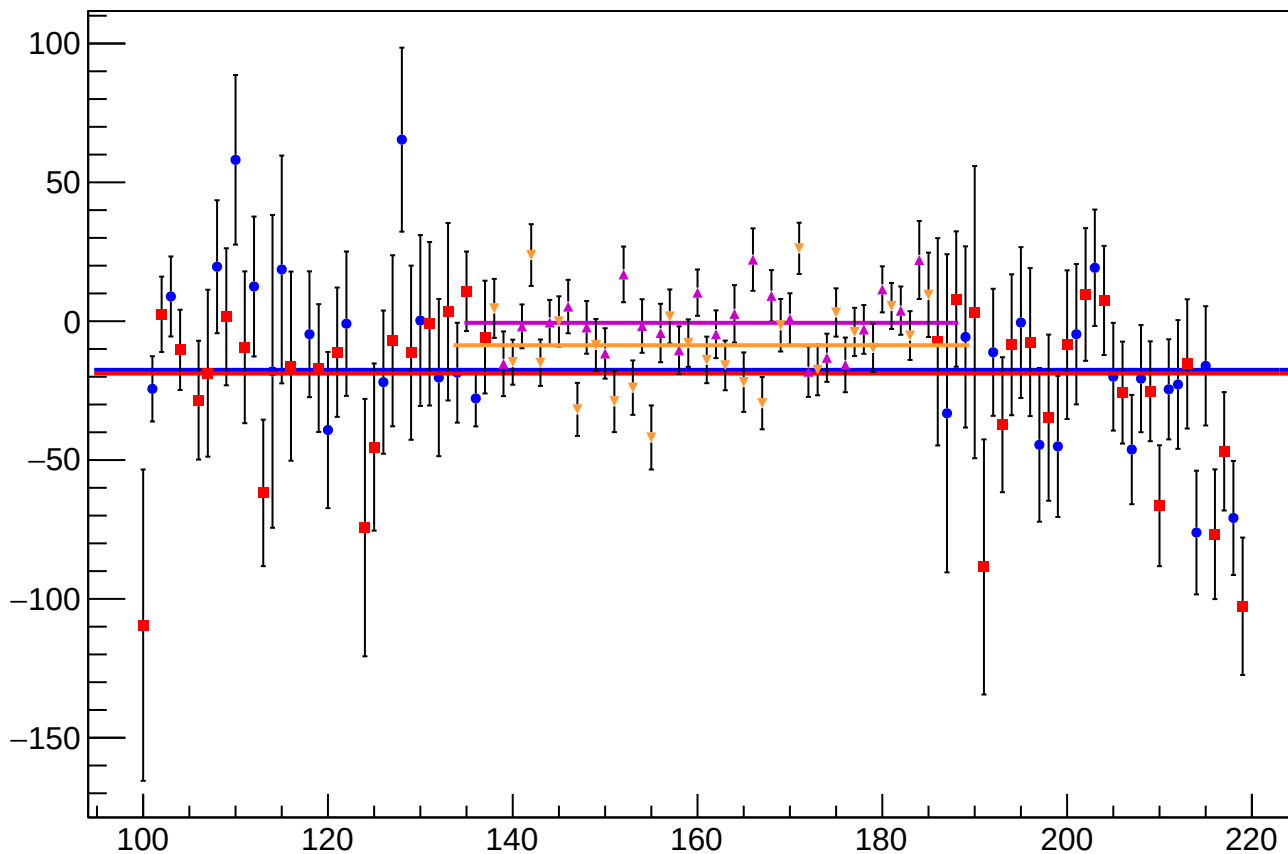
Left In: 6268.263+/-1.048 χ^2 /NDF: 524326.6/22

+ sign 6004.371+/-0.690 χ^2 /NDF: 2407256.6/56

All: 5993.541+/-0.487 χ^2 /NDF: 5504676.5/11

- sign 5982.786+/-0.688 χ^2 /NDF: 3096928.8/59

diff_bpm1X_mean vs Slug



Right In: -17.523 ± 3.770 χ^2/NDF : 45.6/31

Left Out: -8.650 ± 1.875 χ^2/NDF : 63.0/24

Right Out: -18.840 ± 3.882 χ^2/NDF : 49.9/36

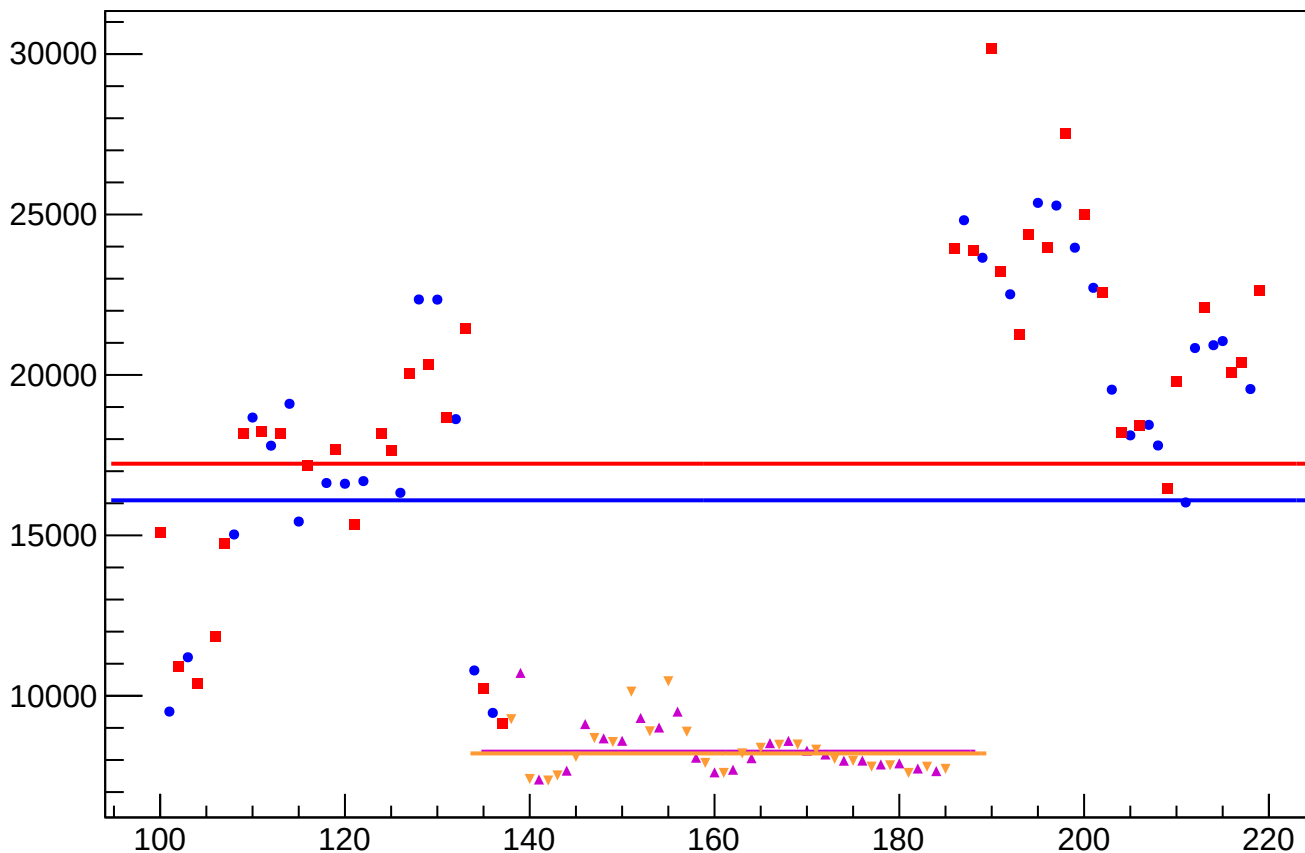
Left In: -0.583 ± 1.939 χ^2/NDF : 28.5/22

+ sign -10.410 ± 1.679 χ^2/NDF : 113.1/56

All: -7.419 ± 1.206 χ^2/NDF : 215.8/116

- sign -4.227 ± 1.735 χ^2/NDF : 96.1/59

diff_bpm1X_rms vs Slug



Right In: 16092.433+/-2.666 χ^2/NDF : 3660544.8/31

Left Out: 8204.502+/-1.326 χ^2/NDF : 272958.7/24

+ sign 9768.642+/-1.187 χ^2/NDF : 10951774.2/56

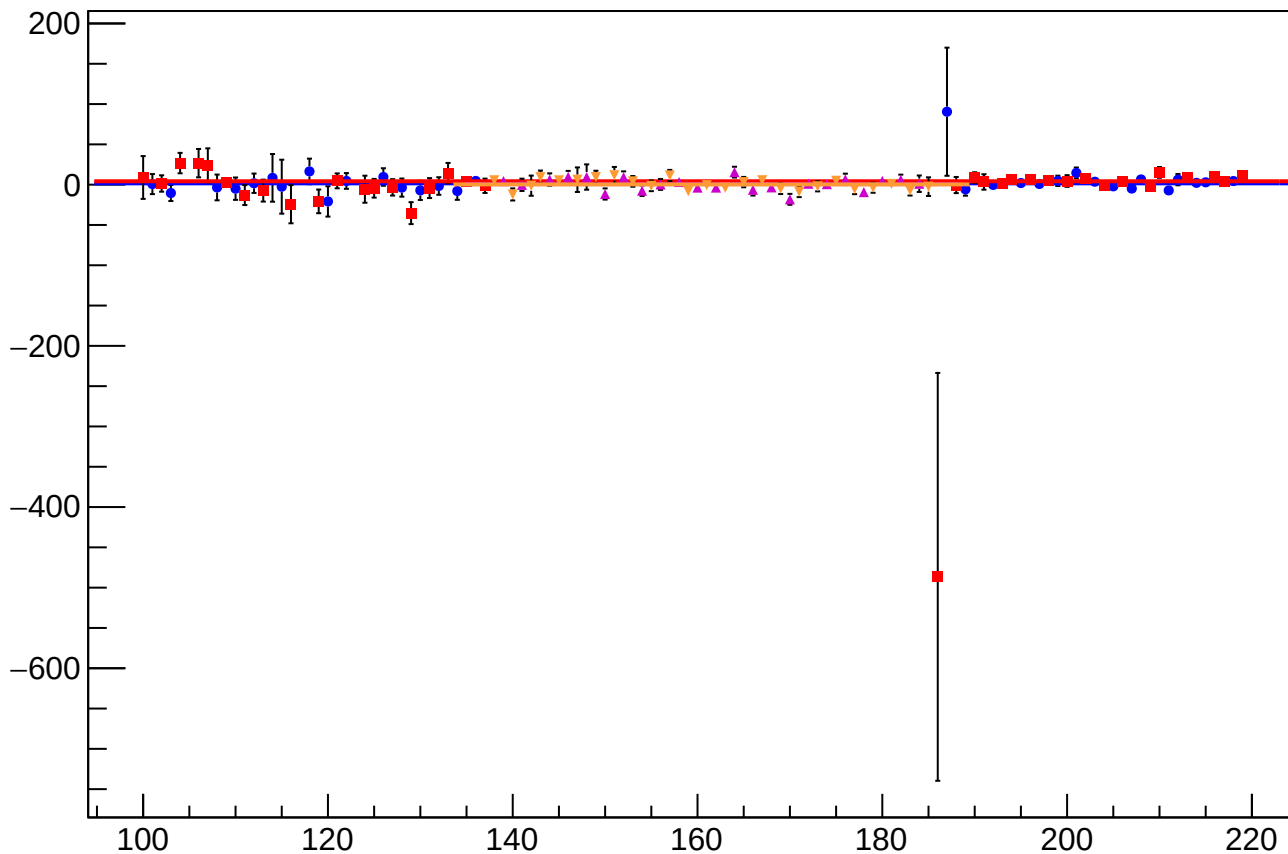
Right Out: 17233.573+/-2.745 χ^2/NDF : 3437282.6/36

All: 9905.001+/-0.853 χ^2/NDF : 23227297.3/100

- sign 10050.549+/-1.227 χ^2/NDF : 12248247.9/59

Left In: 8259.162+/-1.371 χ^2/NDF : 257333.8/22

diff_bpm1Y_mean vs Slug



Right In: 1.656 ± 1.284 χ^2/NDF : 19.0/31

Left Out: 0.353 ± 1.322 χ^2/NDF : 21.5/24

Right Out: 4.213 ± 1.222 χ^2/NDF : 38.0/36

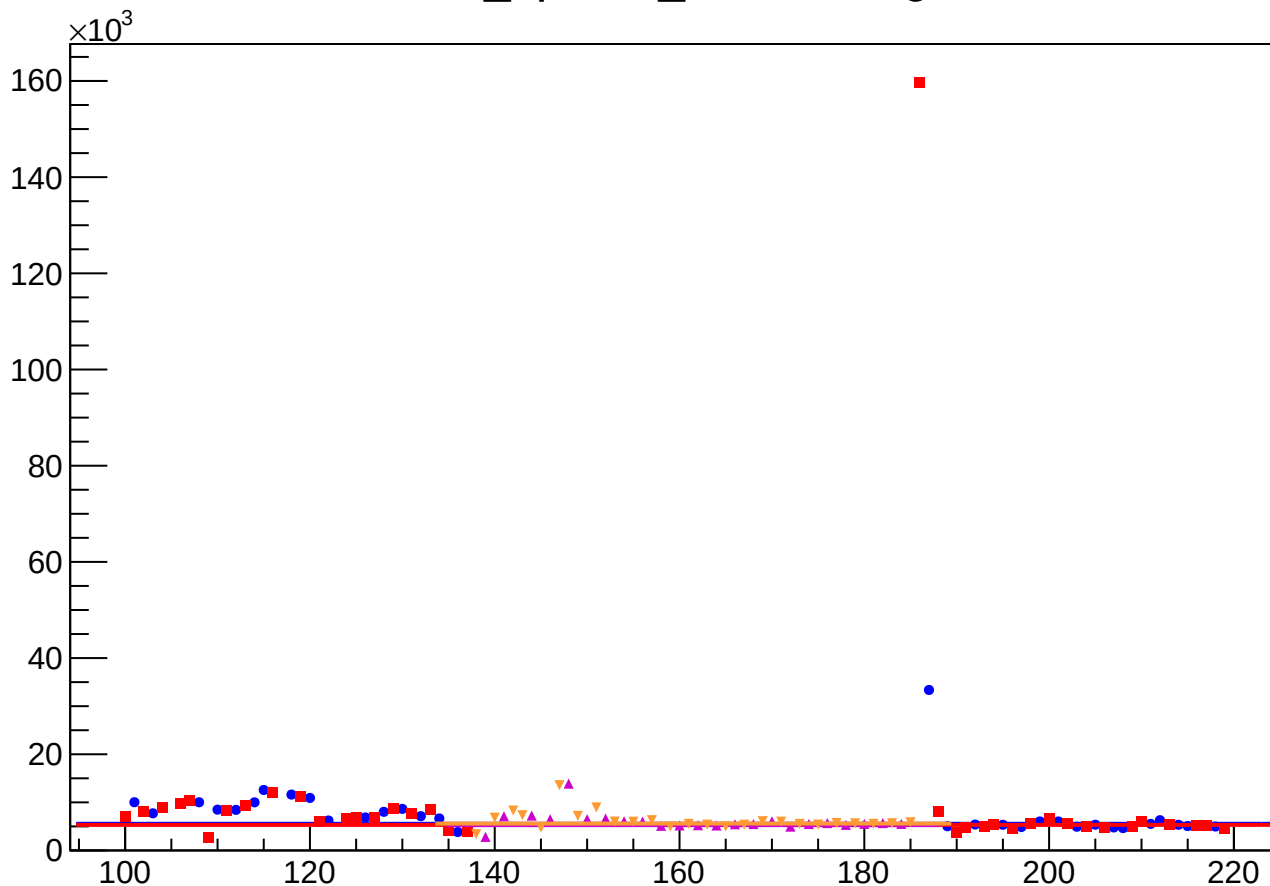
Left In: 0.709 ± 1.291 χ^2/NDF : 29.9/22

+ sign 1.023 ± 0.921 χ^2/NDF : 41.0/56

All: 1.819 ± 0.639 χ^2/NDF : 114.2/116

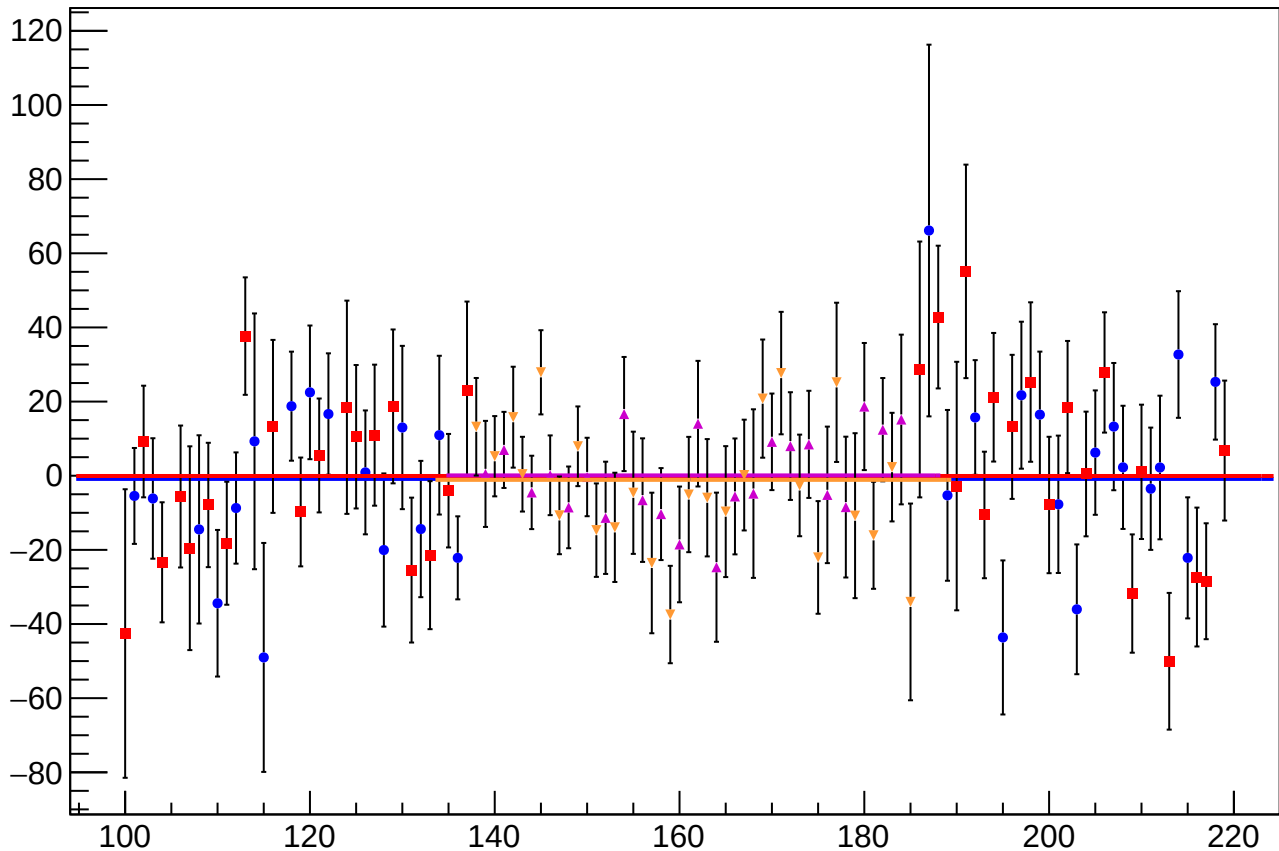
- sign 2.558 ± 0.887 χ^2/NDF : 71.8/59

diff_bpm1Y_rms vs Slug



Right In: 5540.041 ± 0.908 $\chi^2/\text{NDF}: 2504032.7/31$ + sign 5566.479 ± 0.651 $\chi^2/\text{NDF}: 4290039.4/56$
 Left Out: 5594.503 ± 0.935 $\chi^2/\text{NDF}: 1784259.1/24$ All: 5423.952 ± 0.452 $\chi^2/\text{NDF}: 10680579.2/1$
 Right Out: 5317.401 ± 0.864 $\chi^2/\text{NDF}: 3870631.4/36$ - sign 5291.591 ± 0.627 $\chi^2/\text{NDF}: 6298126.0/59$
 Left In: 5262.754 ± 0.913 $\chi^2/\text{NDF}: 2425604.2/22$

diff_bpm11X_mean vs Slug



Right In: -0.860 ± 3.133 χ^2/NDF : 39.6/31

Left Out: -1.111 ± 2.813 χ^2/NDF : 33.8/24

Right Out: -0.071 ± 3.083 χ^2/NDF : 52.1/36

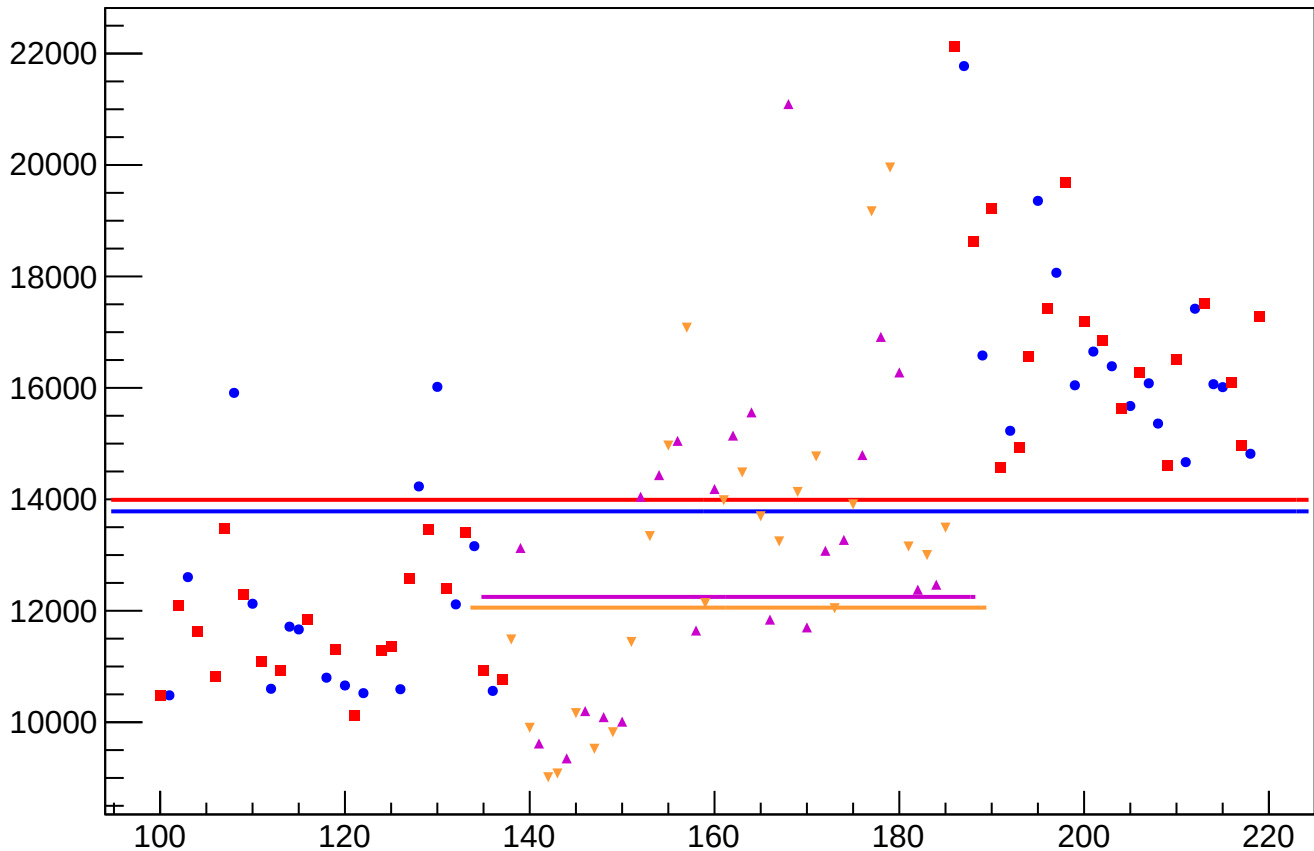
Left In: 0.084 ± 2.926 χ^2/NDF : 11.5/22

+ sign -0.999 ± 2.093 χ^2/NDF : 73.3/56

All: -0.501 ± 1.490 χ^2/NDF : 137.0/116

- sign 0.011 ± 2.122 χ^2/NDF : 63.5/59

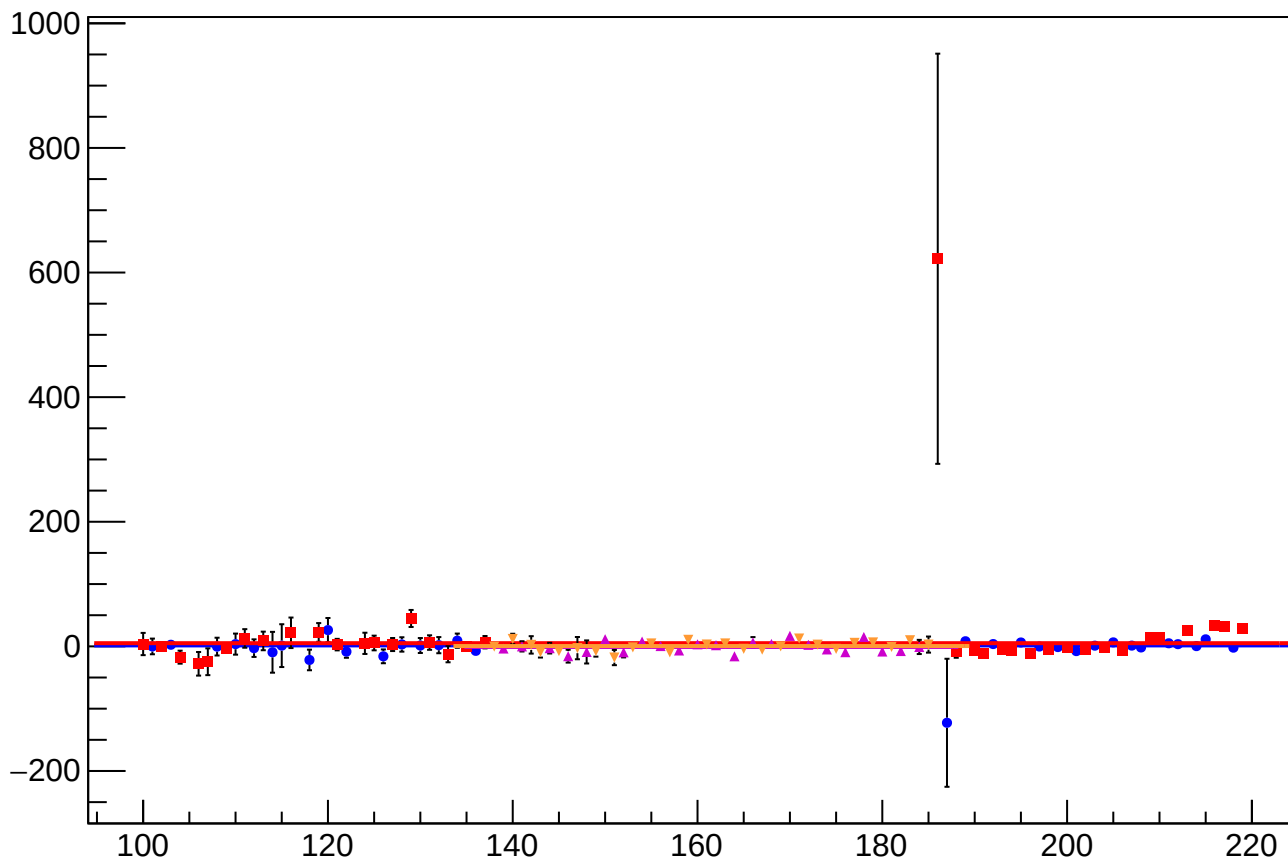
diff_bpm11X_rms vs Slug



Right In: 13784.064 $\pm$ 2.215 χ^2 /NDF: 1475441.9/31
 Left Out: 12056.714 $\pm$ 1.989 χ^2 /NDF:1561738.9/24
 Right Out: 13991.330 $\pm$ 2.180 χ^2 /NDF: 1621343.4/36
 Left In: 12249.109 $\pm$ 2.069 χ^2 /NDF:1416030.4/22

+ sign 12827.854 $\pm$ 1.480 χ^2 /NDF: 3373833.1/56
 All: 12949.677 $\pm$ 1.054 χ^2 /NDF: 6760981.6/100
 - sign 13074.938 $\pm$ 1.501 χ^2 /NDF: 3373405.9/59

diff_bpm11Y_mean vs Slug



Right In: 1.540 ± 1.068 χ^2/NDF : 27.2/31

Left Out: 0.526 ± 1.369 χ^2/NDF : 21.4/24

Right Out: 5.118 ± 1.049 χ^2/NDF : 205.2/36

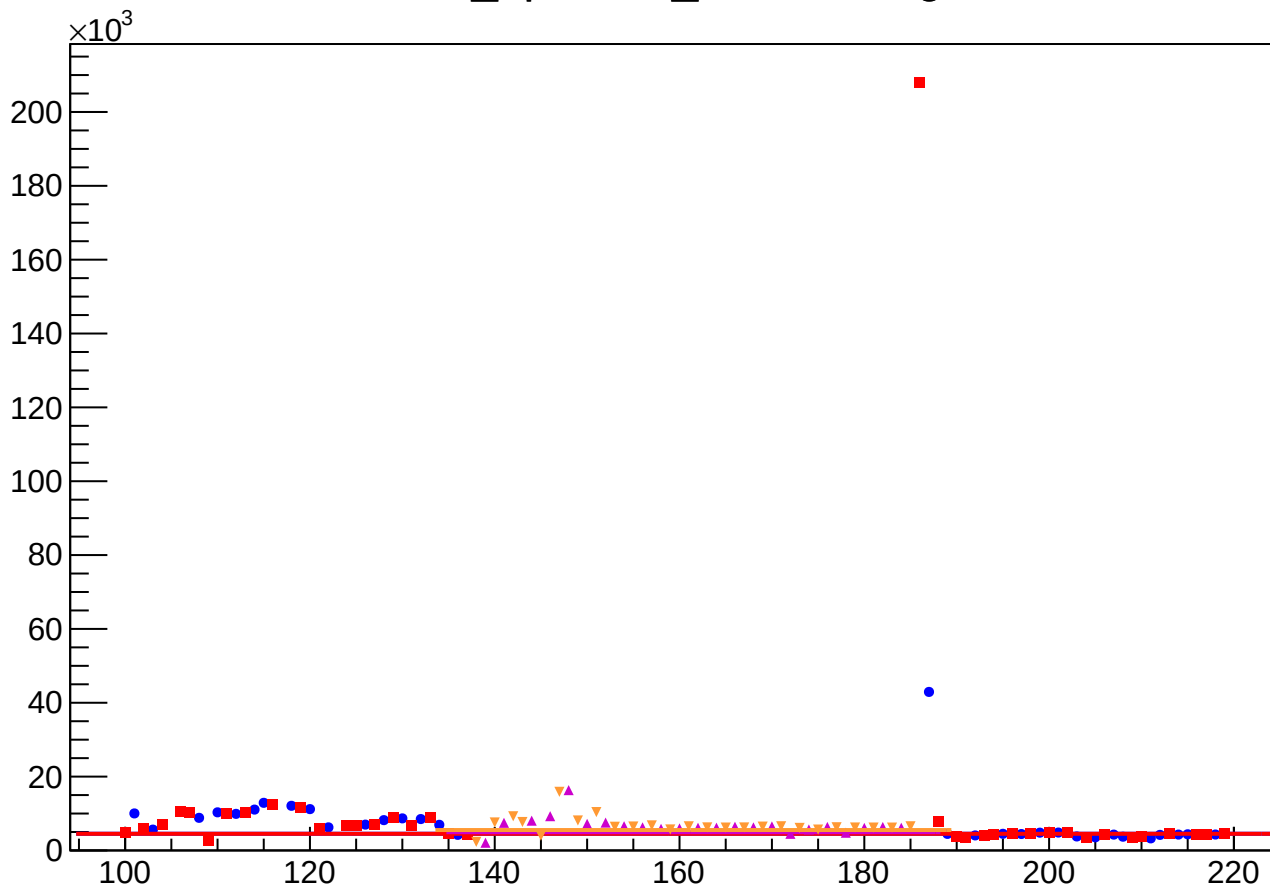
Left In: -0.946 ± 1.294 χ^2/NDF : 32.2/22

+ sign 1.156 ± 0.842 χ^2/NDF : 49.0/56

All: 1.961 ± 0.586 χ^2/NDF : 301.4/116

- sign 2.714 ± 0.815 χ^2/NDF : 250.7/59

diff_bpm11Y_rms vs Slug



Right In: 4521.578 ± 0.755 $\chi^2/\text{NDF}: 3729948.6/31$

Left Out: 5527.971 ± 0.968 $\chi^2/\text{NDF}: 4375722.1/24$

Right Out: 4511.610 ± 0.742 $\chi^2/\text{NDF}: 4243639.6/36$

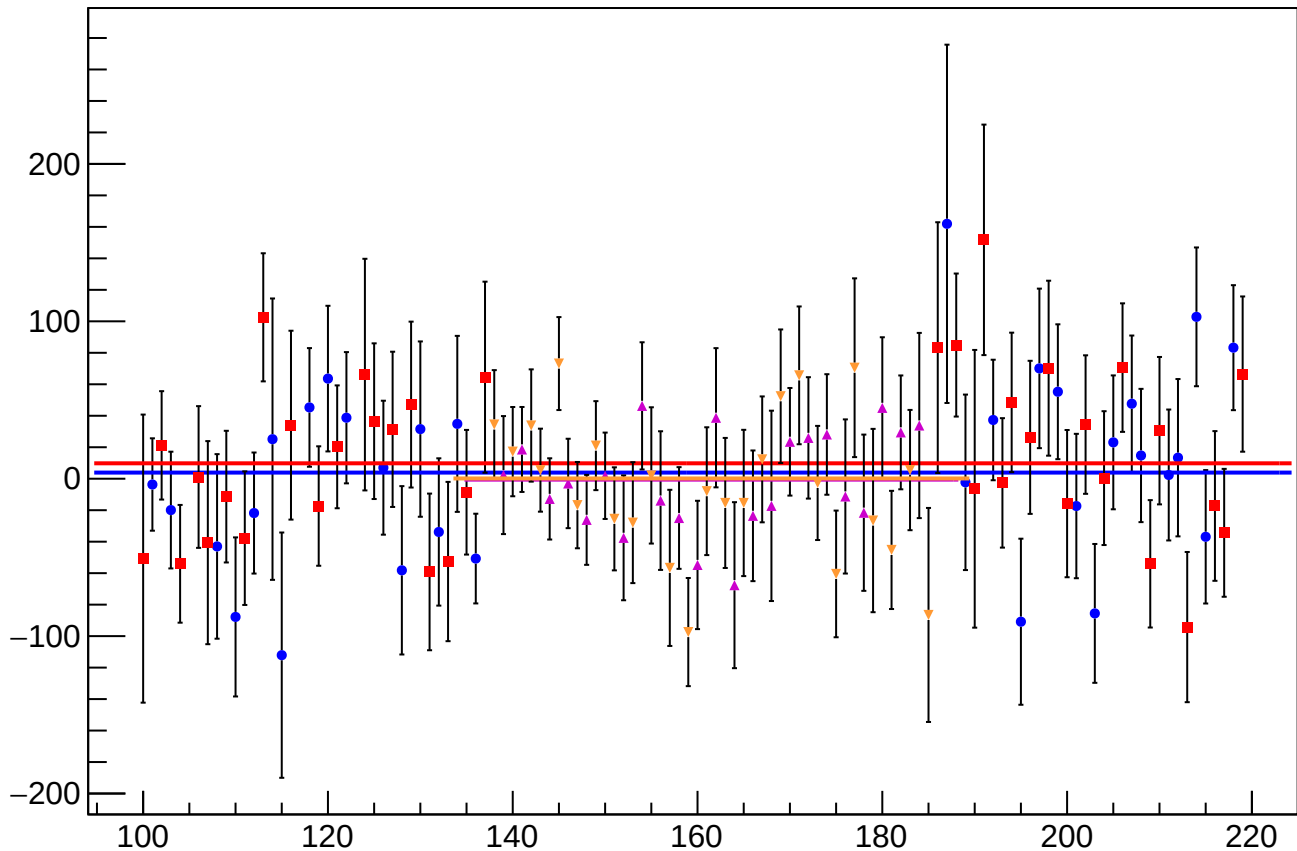
Left In: 4941.993 ± 0.915 $\chi^2/\text{NDF}: 5936108.3/22$

+ sign 4902.368 ± 0.595 $\chi^2/\text{NDF}: 8777818.1/56$

All: 4788.697 ± 0.414 $\chi^2/\text{NDF}: 19161657.7/100$

- sign 4682.210 ± 0.576 $\chi^2/\text{NDF}: 10313229.7/59$

diff_bpm12X_mean vs Slug



Right In: 3.895 ± 7.855 χ^2/NDF : 41.6/31

Left Out: 0.168 ± 7.375 χ^2/NDF : 31.1/24

Right Out: 9.793 ± 7.730 χ^2/NDF : 40.3/36

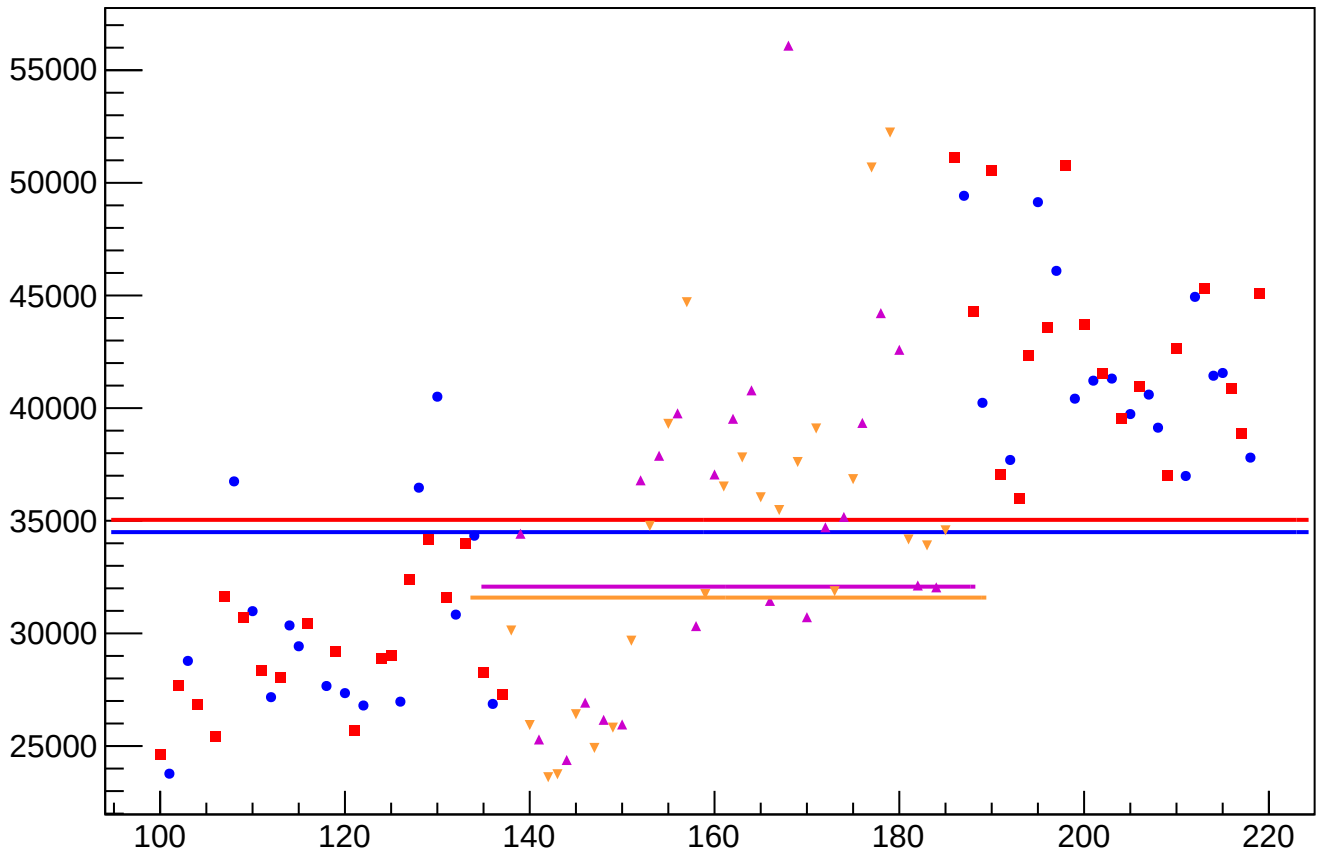
Left In: -0.586 ± 7.667 χ^2/NDF : 12.8/22

+ sign 1.914 ± 5.376 χ^2/NDF : 72.9/56

All: 3.221 ± 3.825 χ^2/NDF : 127.0/116

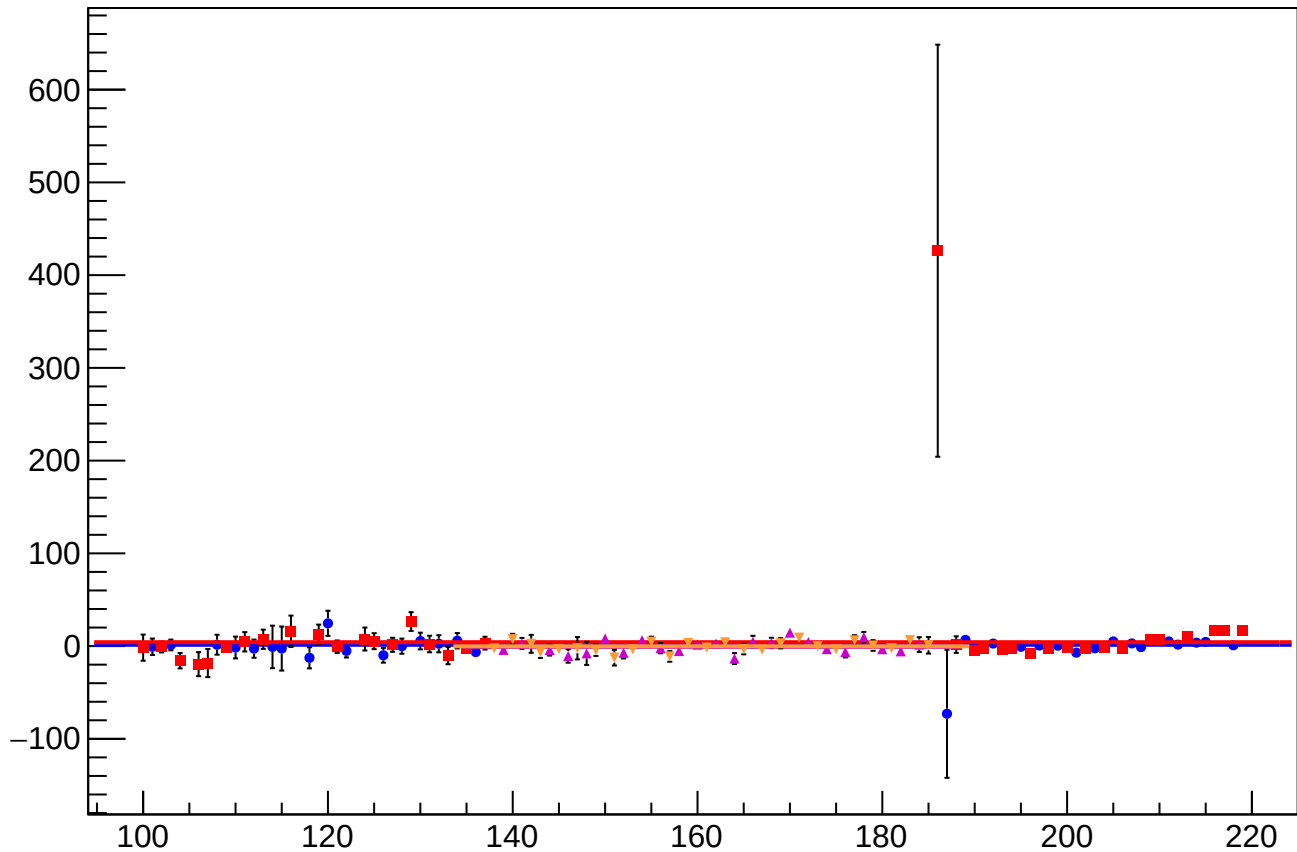
- sign 4.561 ± 5.443 χ^2/NDF : 54.0/59

diff_bpm12X_rms vs Slug



Right In: 34495.489+/-5.554	χ^2/NDF : 1603226.3/31	+ sign 32951.174+/-3.802	χ^2/NDF : 3339552.1/56
Left Out: 31589.841+/-5.215	χ^2/NDF : 1590867.7/24	All: 33244.605+/-2.705	χ^2/NDF : 6682685.5/1
Right Out: 35039.964+/-5.466	χ^2/NDF : 1727032.9/36	- sign 33545.396+/-3.849	χ^2/NDF : 3331069.4/59
Left In: 32075.078+/-5.421	χ^2/NDF : 1455714.6/22		

diff_bpm12Y_mean vs Slug



Right In: 1.443 ± 0.613 χ^2/NDF : 37.0/31

Left Out: -0.226 ± 1.094 χ^2/NDF : 19.9/24

Right Out: 4.215 ± 0.622 χ^2/NDF : 183.8/36

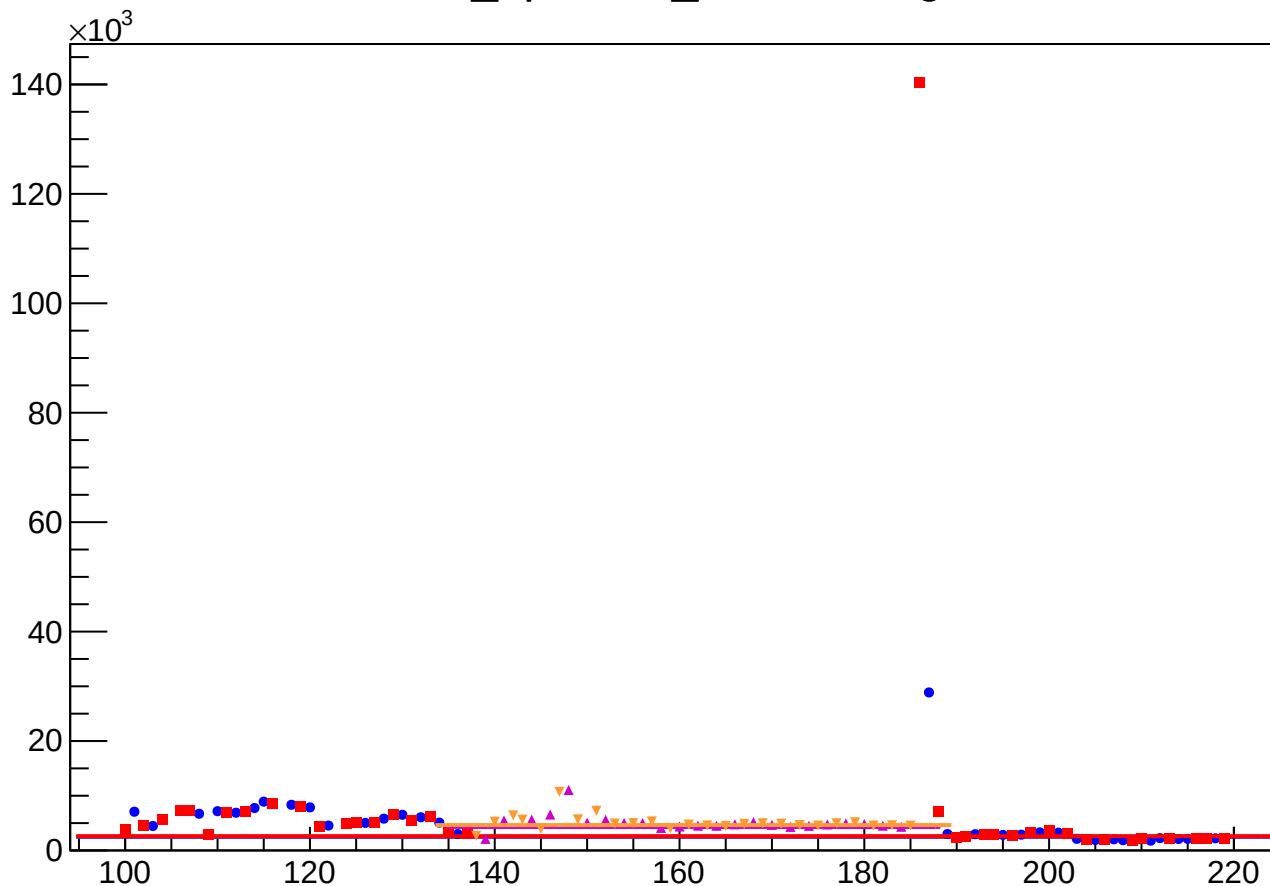
Left In: -0.788 ± 1.061 χ^2/NDF : 33.8/22

+ sign 1.044 ± 0.535 χ^2/NDF : 58.7/56

All: 1.986 ± 0.379 χ^2/NDF : 299.0/116

- sign 2.935 ± 0.537 χ^2/NDF : 234.1/59

diff_bpm12Y_rms vs Slug



Right In: 2511.060 $\pm$ 0.433 χ^2/NDF : 6042300.3/31

Left Out: 4637.399 $\pm$ 0.774 χ^2/NDF : 1763103.2/24

Right Out: 2606.315 $\pm$ 0.440 χ^2/NDF : 6562501.2/36

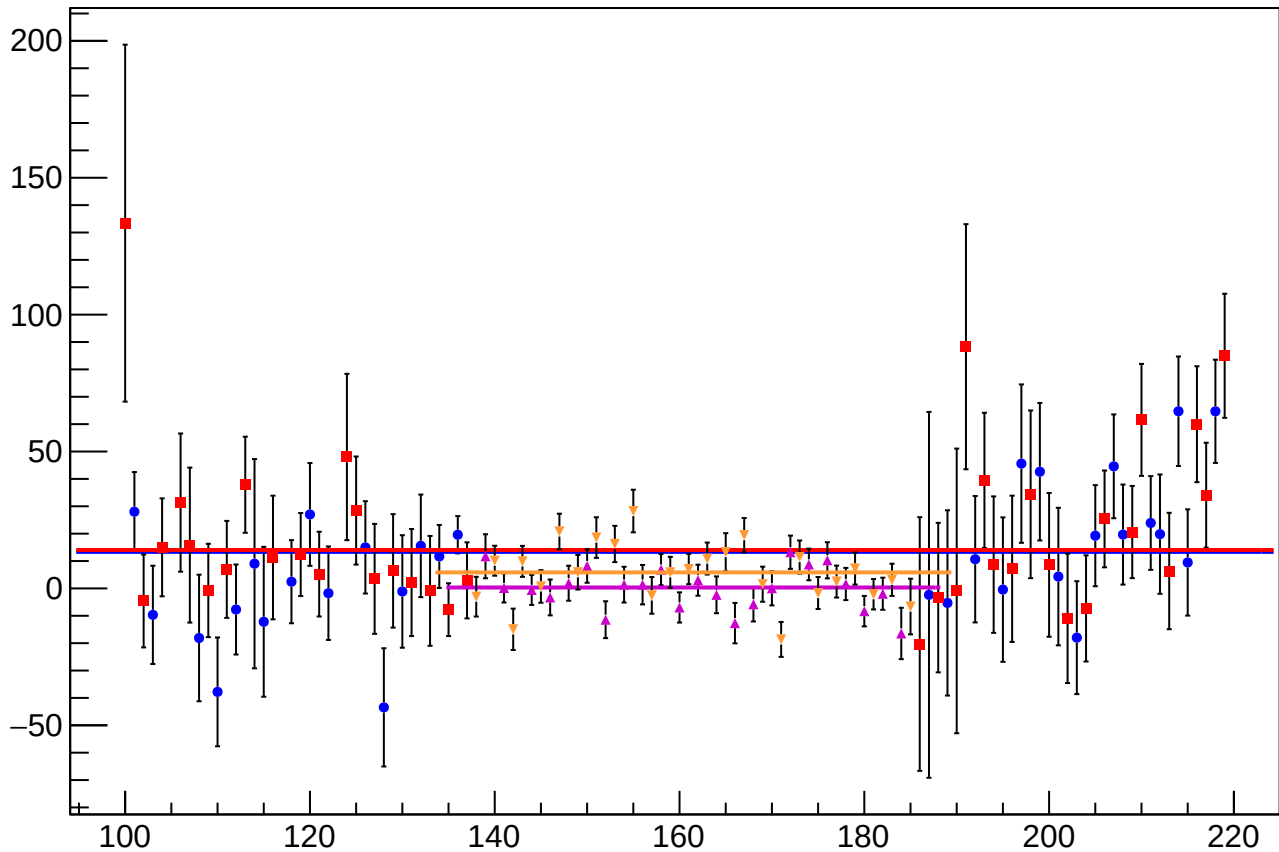
Left In: 4295.074 $\pm$ 0.750 χ^2/NDF : 3095610.0/22

+ sign 3019.077 $\pm$ 0.378 χ^2/NDF : 13556499.6/56

All: 3028.801 $\pm$ 0.268 χ^2/NDF : 26988429.5/1

- sign 3038.595 $\pm$ 0.379 χ^2/NDF : 13430602.2/59

diff_bpm16X_mean vs Slug



Right In: 13.354 $\pm$ 3.133 χ^2 /NDF: 46.9/31

Left Out: 5.849 $\pm$ 1.257 χ^2 /NDF:60.0/24

Right Out: 14.026 $\pm$ 3.296 χ^2 /NDF: 46.5/36

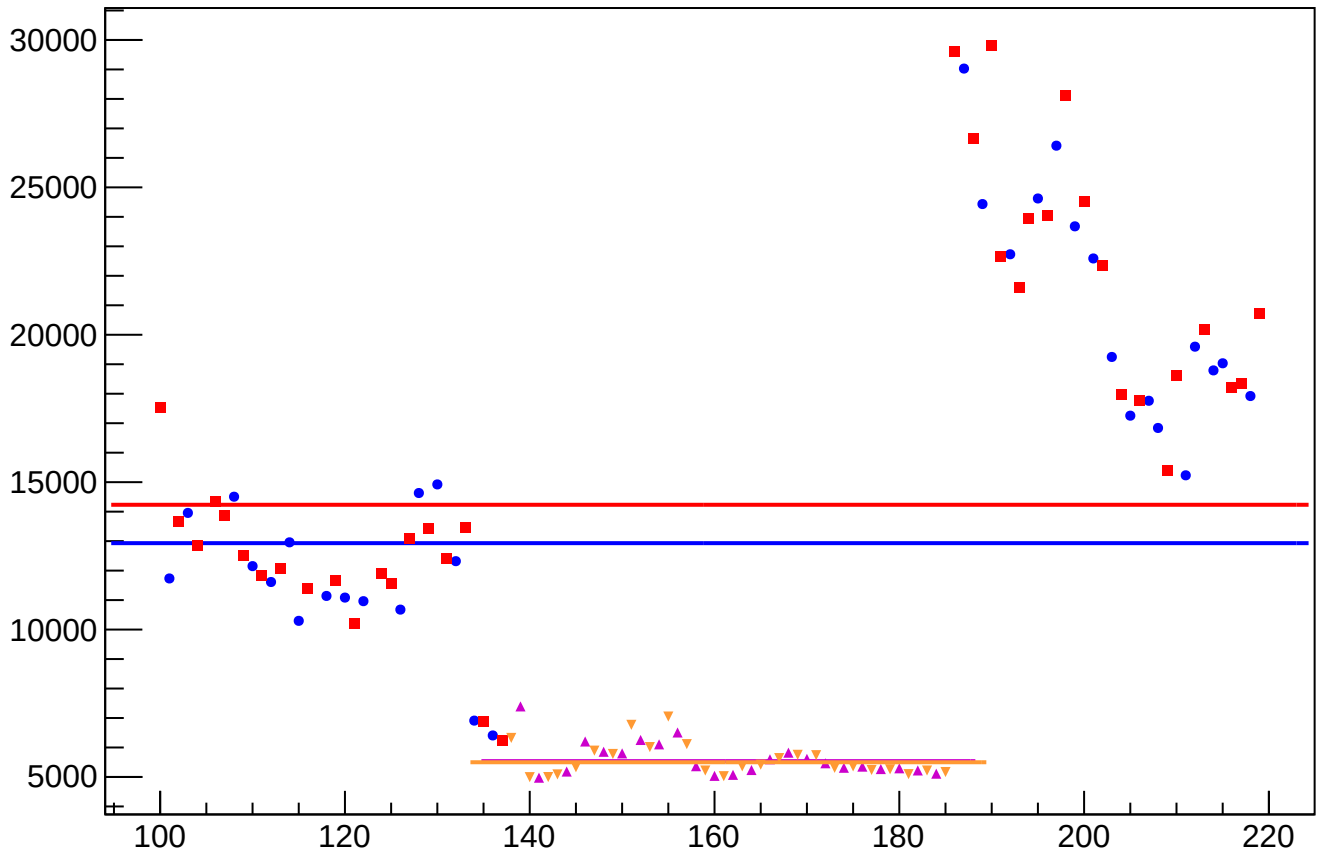
Left In: 0.337 $\pm$ 1.301 χ^2 /NDF:29.4/22

+ sign 6.890 $\pm$ 1.167 χ^2 /NDF: 111.9/56

All: 4.621 $\pm$ 0.840 χ^2 /NDF: 210.5/116

- sign 2.181 $\pm$ 1.210 χ^2 /NDF: 90.8/59

diff_bpm16X_rms vs Slug



Right In: 12931.191+/-2.216 χ^2/NDF : 6032803.0/31

Left Out: 5499.215+/-0.889 χ^2/NDF : 297719.4/24

+ sign 6530.054+/-0.825 χ^2/NDF : 16021674.5/56

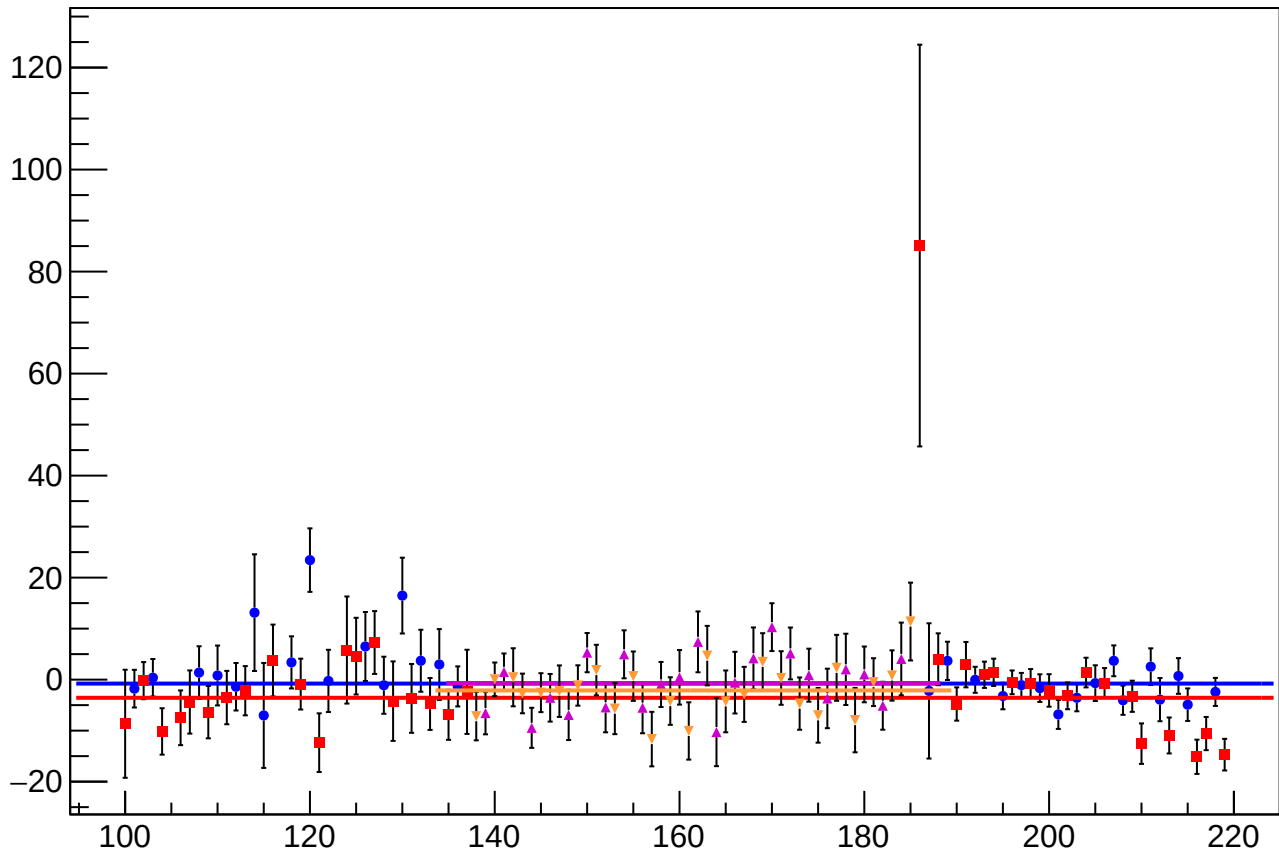
Right Out: 14232.969+/-2.331 χ^2/NDF : 5561693.2/36

All: 6616.487+/-0.594 χ^2/NDF : 33952001.4/100

Left In: 5537.777+/-0.920 χ^2/NDF : 304062.1/22

- sign 6709.411+/-0.856 χ^2/NDF : 17907558.9/59

diff_bpm16Y_mean vs Slug



Right In: -0.775 ± 0.664 χ^2/NDF : 40.7/31

Left Out: -2.116 ± 0.987 χ^2/NDF : 17.5/24

Right Out: -3.560 ± 0.647 χ^2/NDF : 75.3/36

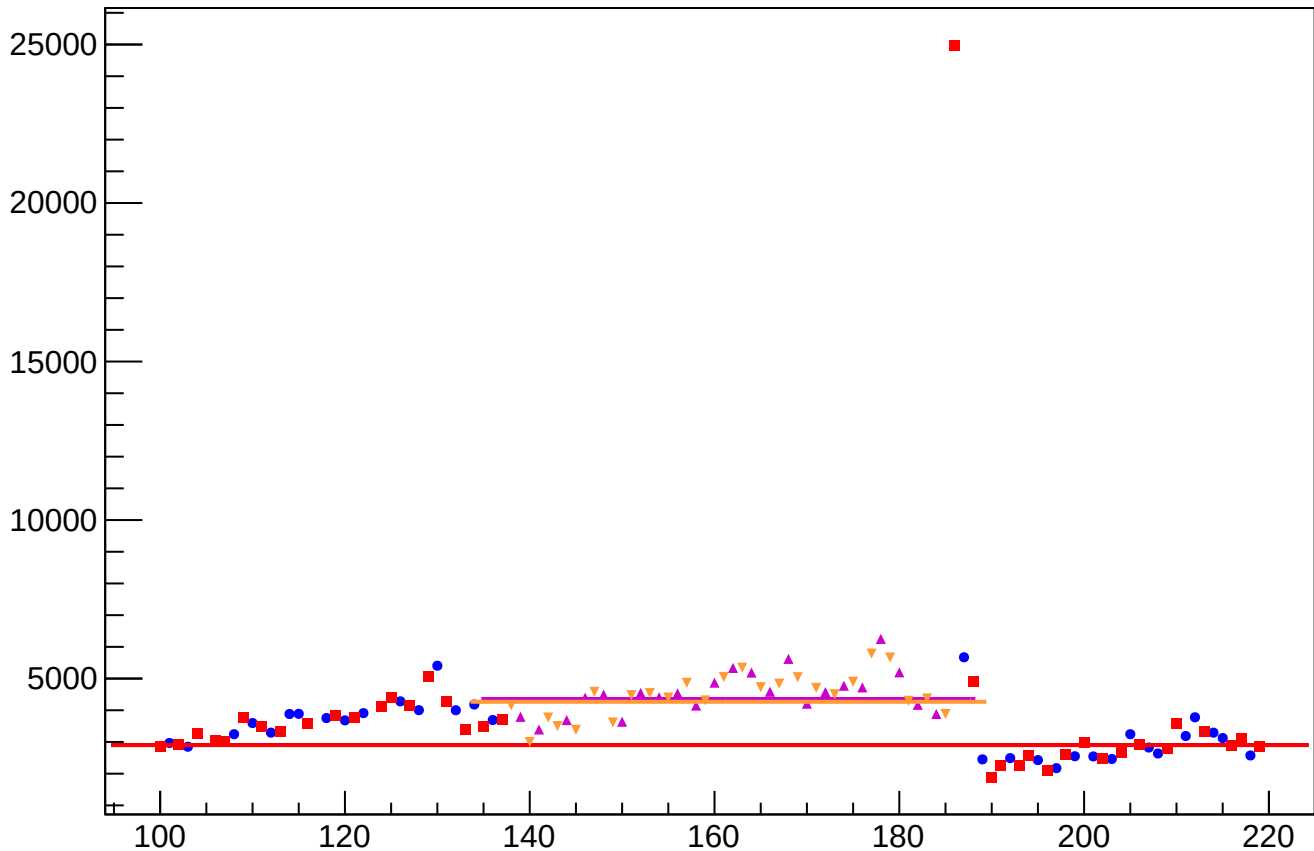
Left In: -0.670 ± 1.031 χ^2/NDF : 28.4/22

+ sign -1.193 ± 0.551 χ^2/NDF : 59.4/56

All: -1.973 ± 0.389 χ^2/NDF : 172.7/116

- sign -2.744 ± 0.548 χ^2/NDF : 109.3/59

diff_bpm16Y_rms vs Slug



Right In: 2904.183 $\pm$ 0.470 χ^2 /NDF: 1566222.6/31

Left Out: 4267.631 $\pm$ 0.698 χ^2 /NDF: 1034722.2/24

Right Out: 2901.720 $\pm$ 0.458 χ^2 /NDF: 2523621.1/36

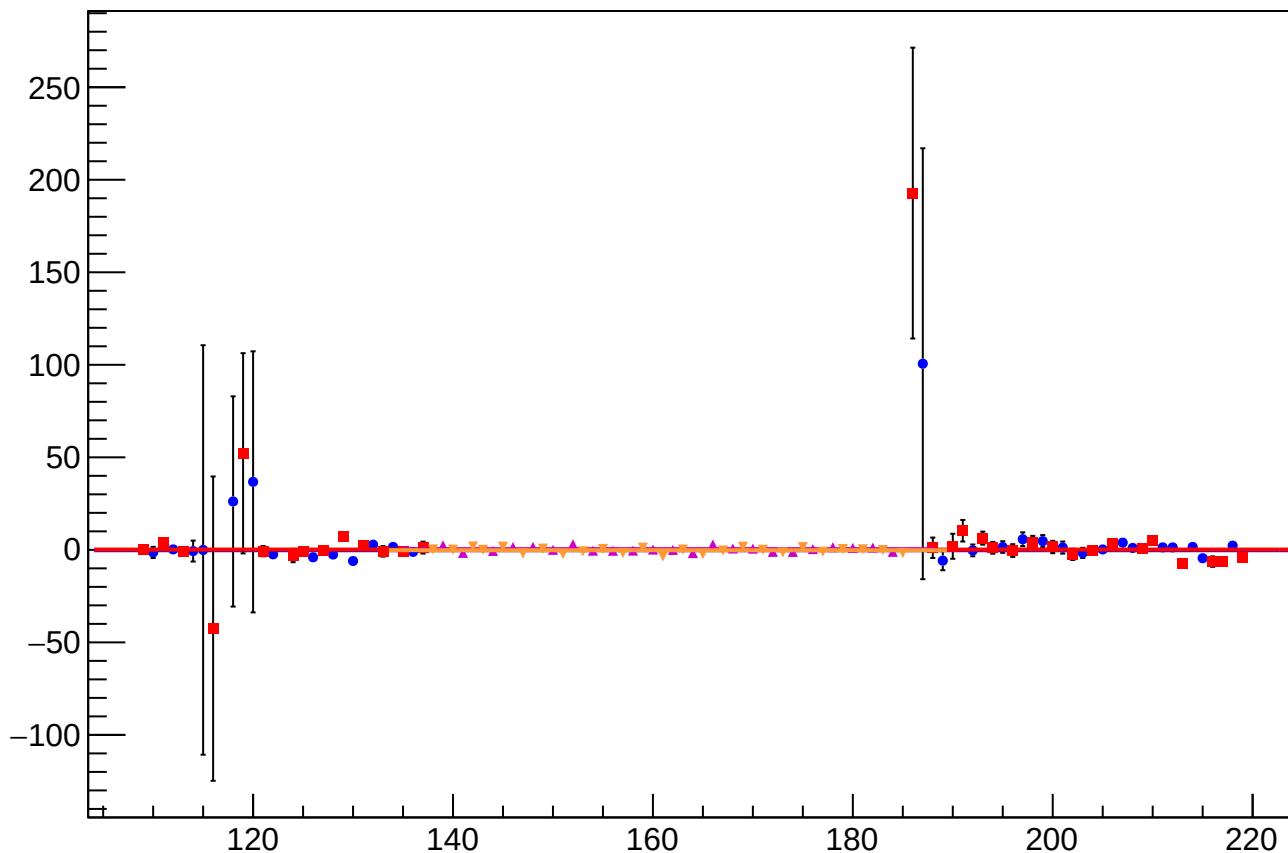
Left In: 4355.855 $\pm$ 0.729 χ^2 /NDF: 743046.1/22

+ sign 3329.226 $\pm$ 0.390 χ^2 /NDF: 5226215.6/56

All: 3320.905 $\pm$ 0.275 χ^2 /NDF: 11348650.9/100

- sign 3312.680 $\pm$ 0.388 χ^2 /NDF: 6121529.0/59

diff_bpm1p02bX_mean vs Slug



Right In: -0.196 ± 0.494 χ^2/NDF : 32.6/28

Left Out: -0.201 ± 0.236 χ^2/NDF : 33.9/24

Right Out: 0.158 ± 0.497 χ^2/NDF : 60.0/31

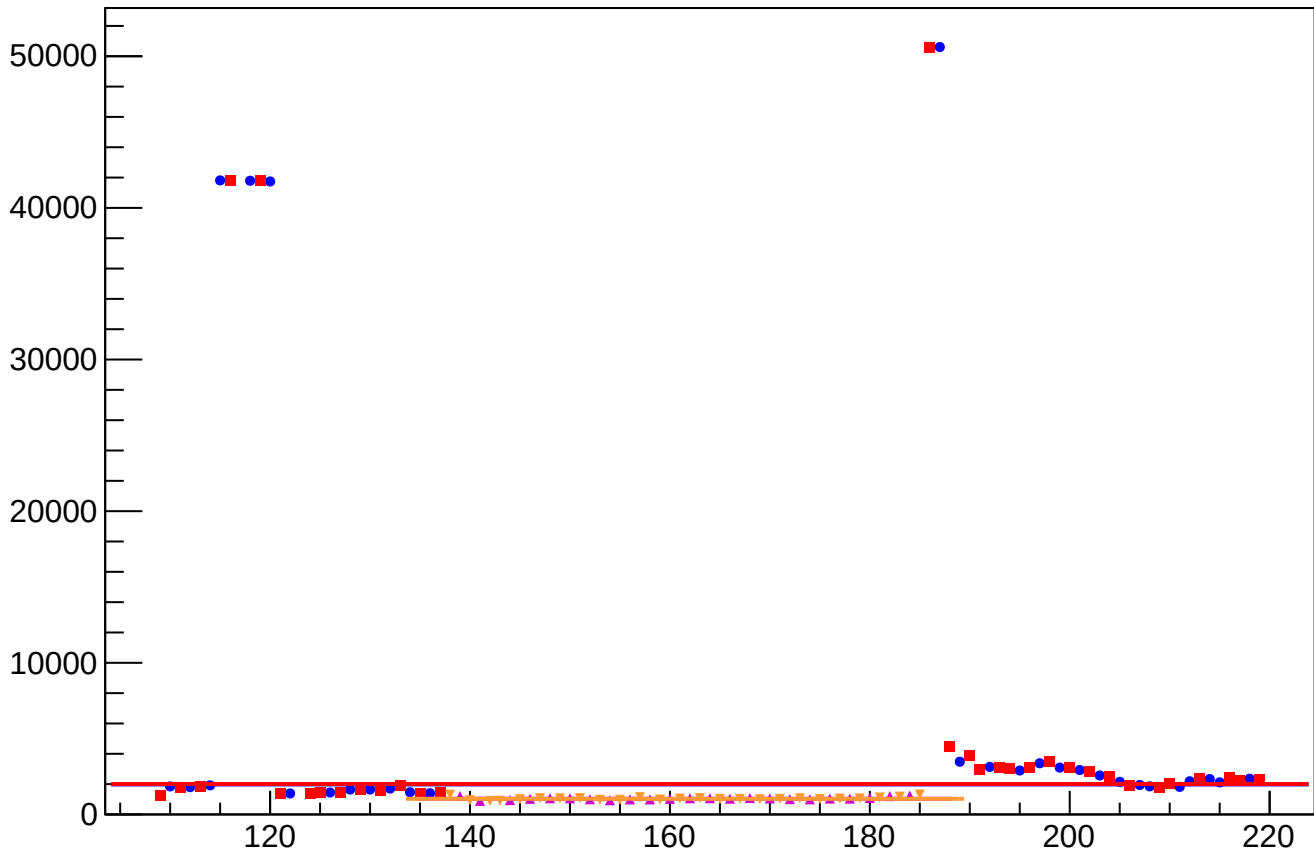
Left In: 0.333 ± 0.242 χ^2/NDF : 29.4/22

+ sign -0.200 ± 0.213 χ^2/NDF : 66.5/53

All: 0.044 ± 0.152 χ^2/NDF : 158.7/108

- sign 0.300 ± 0.218 χ^2/NDF : 89.5/54

diff_bpm1p02bX_rms vs Slug



Right In: 1979.932 $\pm$ 0.349 χ^2 /NDF: 4525066.1/28

Left Out: 1031.473 $\pm$ 0.167 χ^2 /NDF: 244095.3/24

Right Out: 2007.177 $\pm$ 0.351 χ^2 /NDF: 5525514.5/31

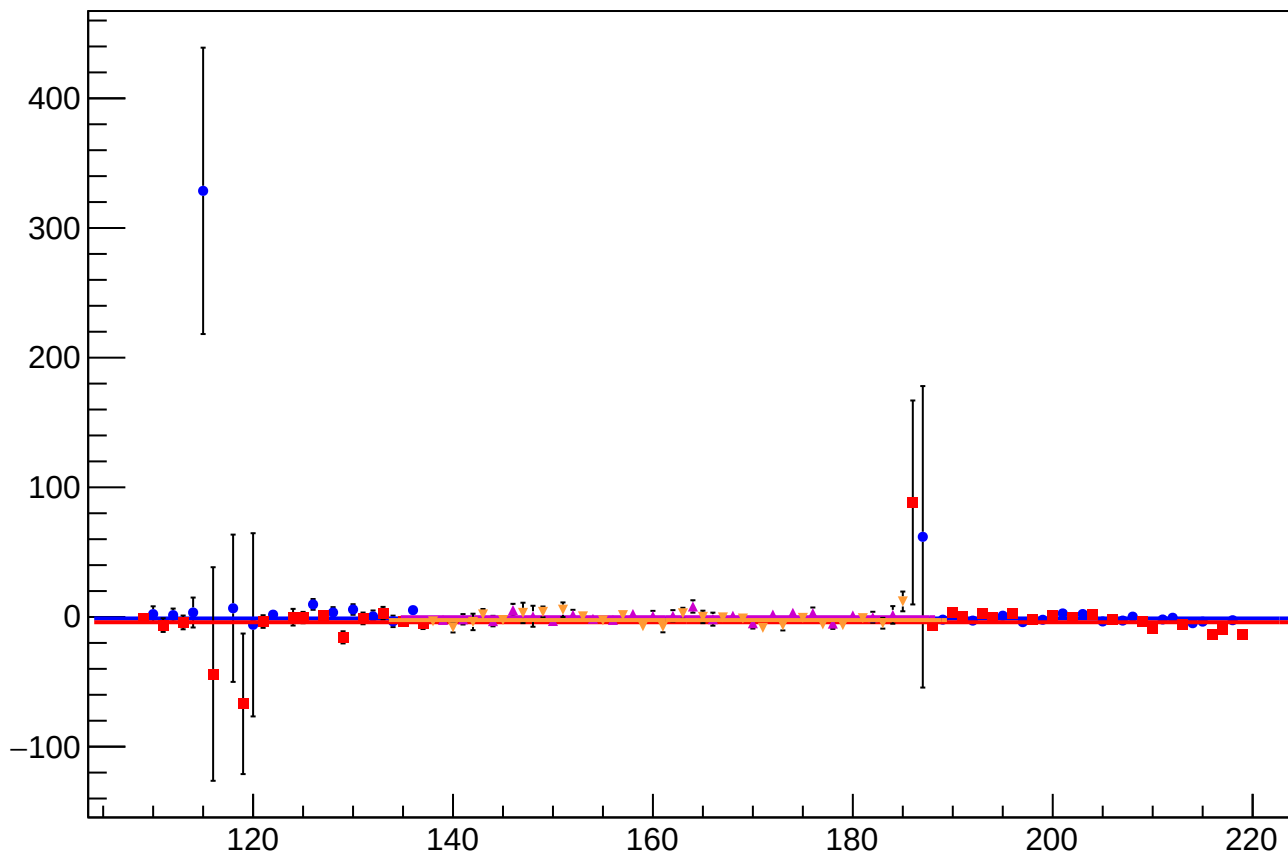
Left In: 1032.715 $\pm$ 0.171 χ^2 /NDF: 187148.3/22

+ sign 1207.239 $\pm$ 0.150 χ^2 /NDF: 10780841.3/53

All: 1213.323 $\pm$ 0.108 χ^2 /NDF: 22711346.0/100

- sign 1219.703 $\pm$ 0.154 χ^2 /NDF: 11927148.0/54

diff_bpm1p02bY_mean vs Slug



Right In: -1.135 ± 0.413 χ^2/NDF : 56.2/28

Left Out: -2.380 ± 0.782 χ^2/NDF : 24.3/24

Right Out: -4.050 ± 0.420 χ^2/NDF : 164.1/31

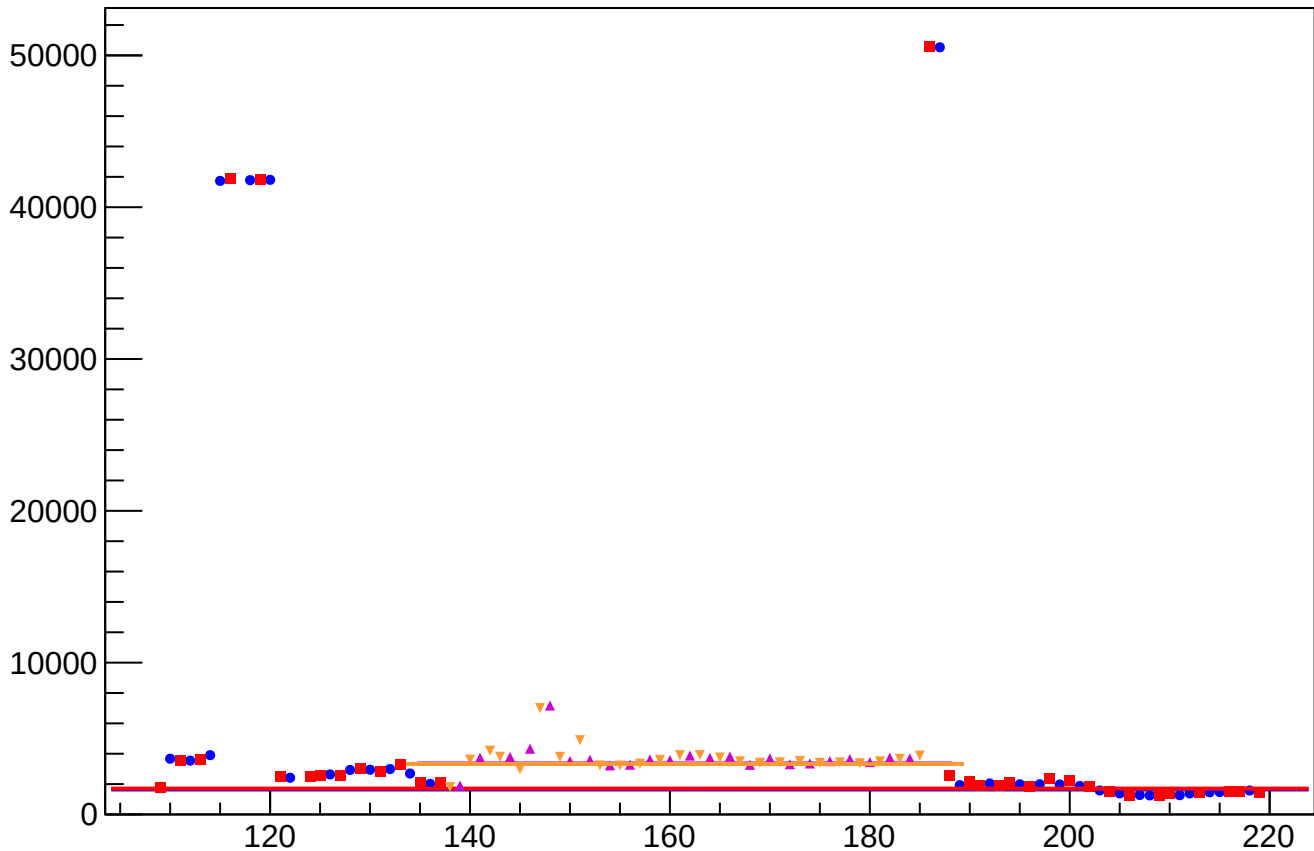
Left In: -0.171 ± 0.810 χ^2/NDF : 12.6/22

+ sign -1.406 ± 0.365 χ^2/NDF : 82.5/53

All: -2.299 ± 0.261 χ^2/NDF : 289.6/108

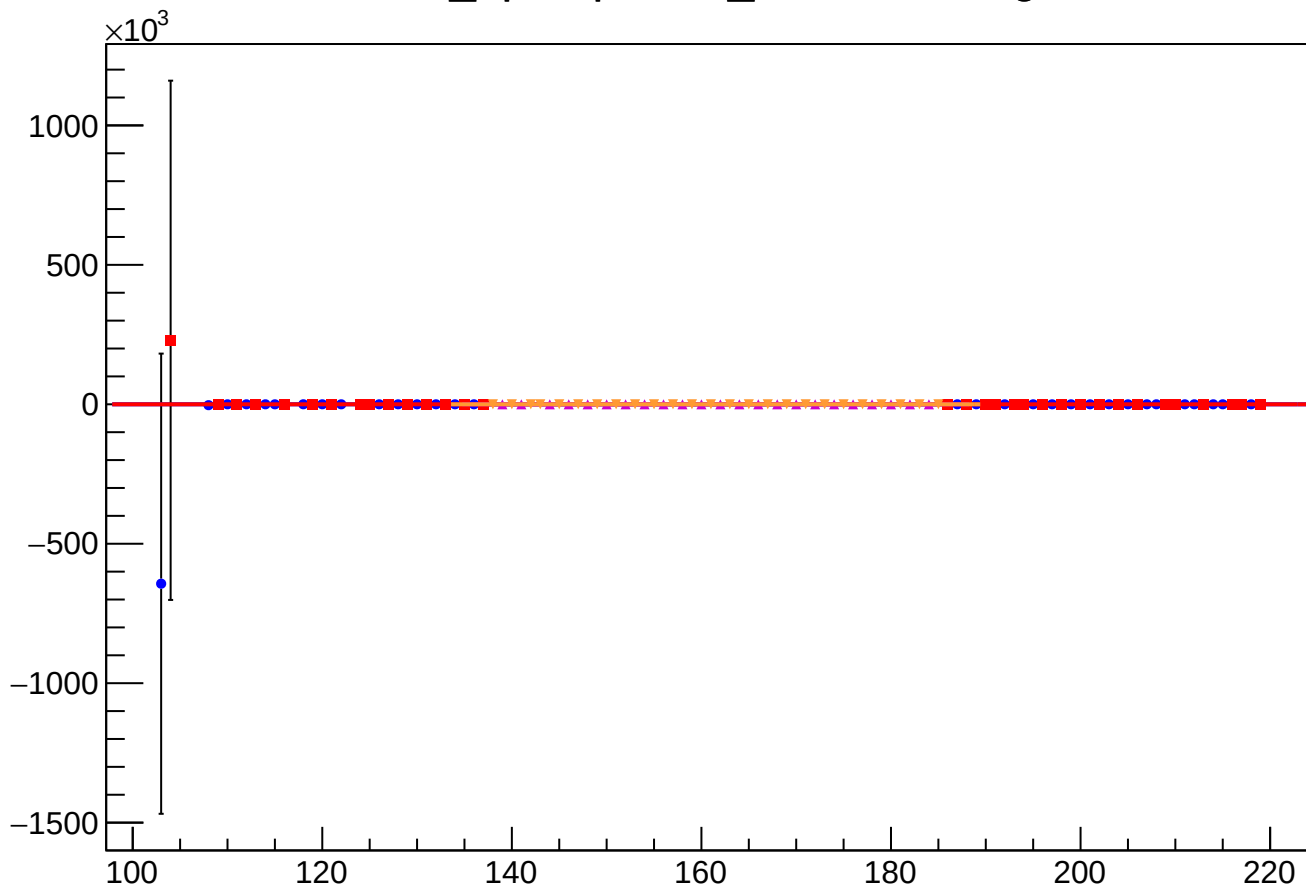
- sign -3.229 ± 0.372 χ^2/NDF : 194.9/54

diff_bpm1p02bY_rms vs Slug



Right In: 1646.985 ± 0.292 $\chi^2/\text{NDF}: 4692917.1/28$ + sign 2012.917 ± 0.258 $\chi^2/\text{NDF}: 13839290.7/53$
 Left Out: 3328.251 ± 0.553 $\chi^2/\text{NDF}: 1915576.2/24$ All: 2032.488 ± 0.184 $\chi^2/\text{NDF}: 27016263.6/1$
 Right Out: 1701.680 ± 0.297 $\chi^2/\text{NDF}: 4894679.2/31$ - sign 2052.886 ± 0.263 $\chi^2/\text{NDF}: 13165220.8/54$
 Left In: 3360.799 ± 0.572 $\chi^2/\text{NDF}: 1649390.5/22$

diff_bpm1p03aX_mean vs Slug



Right In: -2.365 ± 0.523 χ^2/NDF : 44.8/30

Left Out: -1.573 ± 0.363 χ^2/NDF : 50.3/24

Right Out: -3.645 ± 0.536 χ^2/NDF : 89.8/32

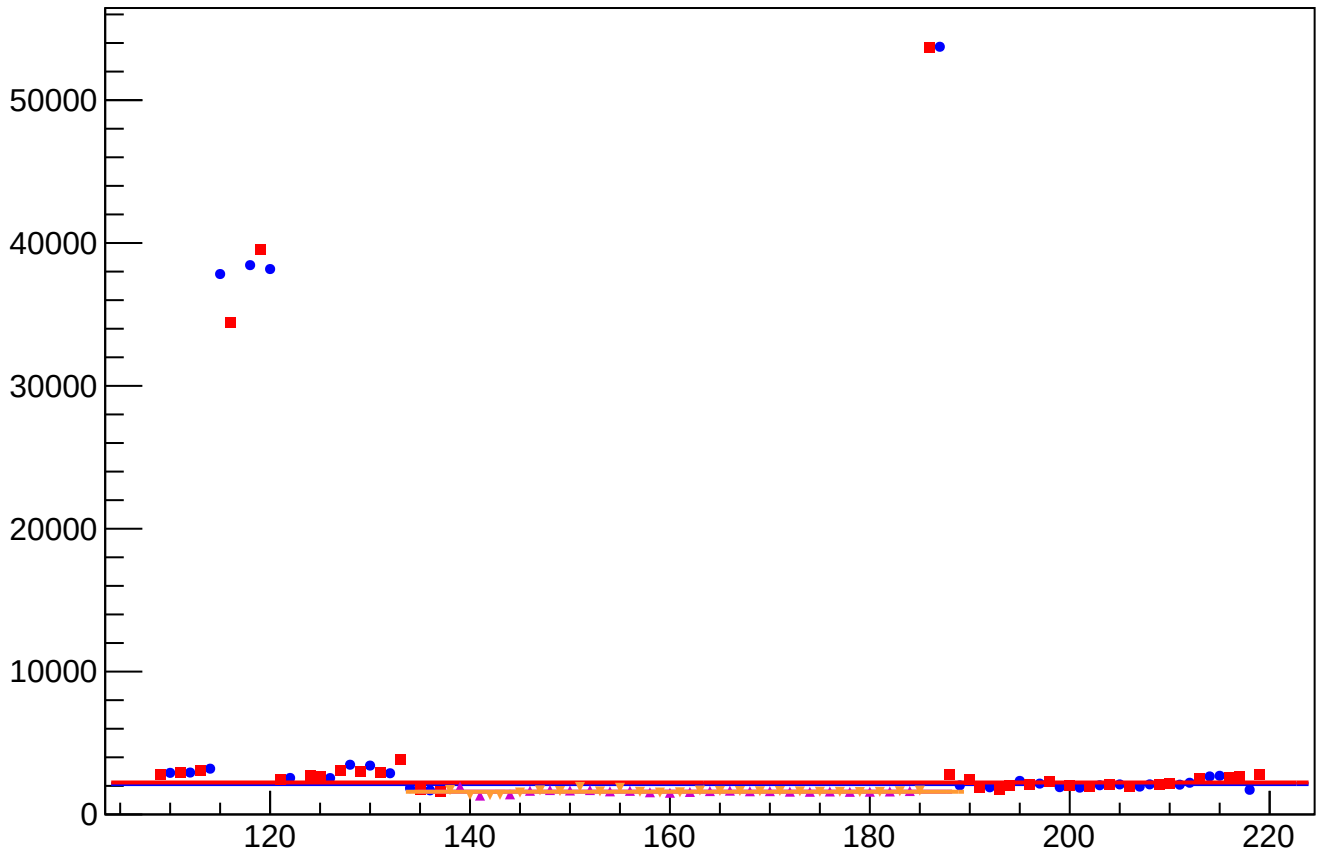
Left In: 0.018 ± 0.374 χ^2/NDF : 27.3/22

+ sign -1.830 ± 0.298 χ^2/NDF : 96.7/55

All: -1.516 ± 0.214 χ^2/NDF : 247.5/111

- sign -1.184 ± 0.307 χ^2/NDF : 148.5/55

diff_bpm1p03aX_rms vs Slug



Right In: 2125.559+/-0.370 χ^2/NDF : 3229220.9/28

Left Out: 1589.488+/-0.257 χ^2/NDF : 232518.0/24

Right Out: 2237.728+/-0.379 χ^2/NDF : 3439474.2/31

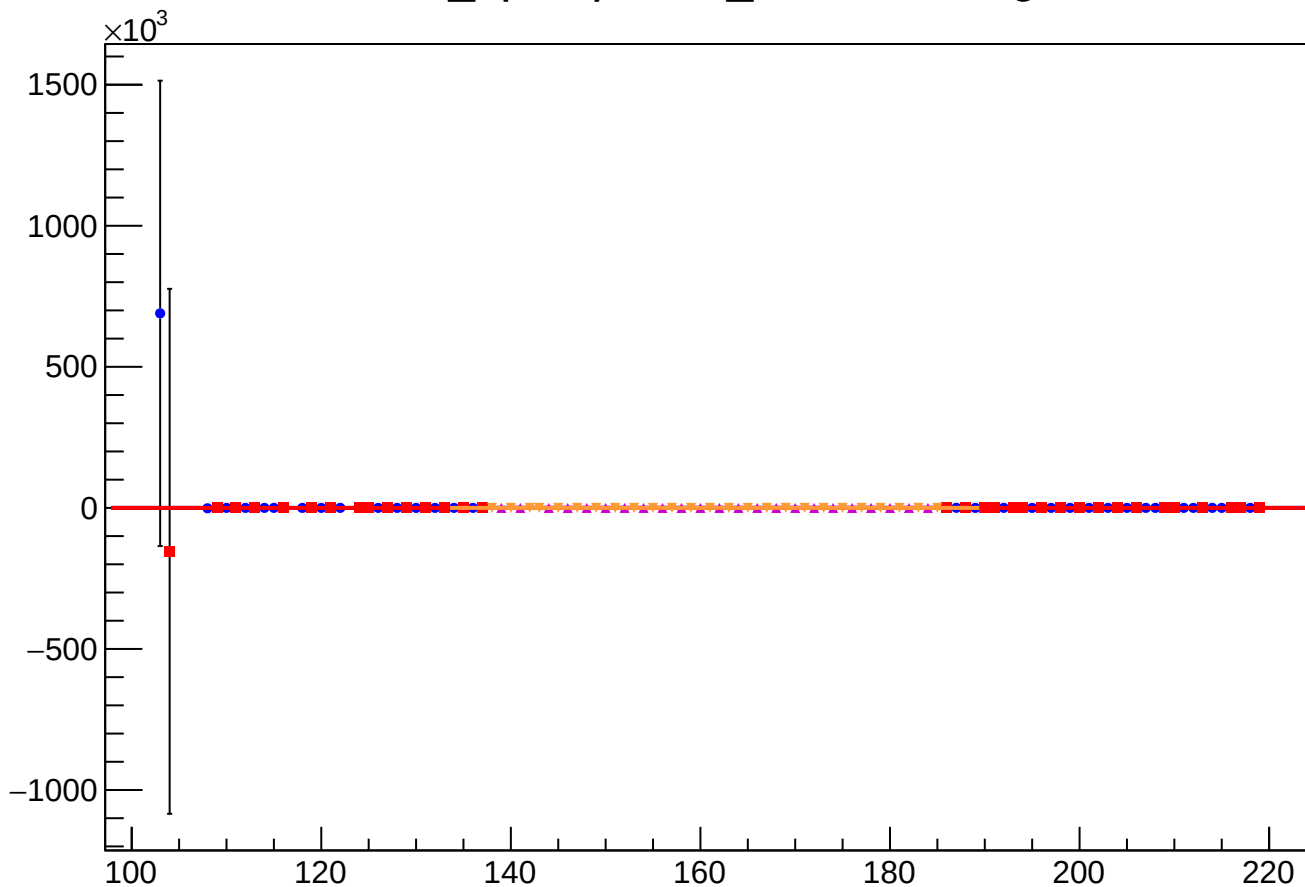
Left In: 1596.179+/-0.265 χ^2/NDF : 196833.1/22

+ sign 1763.786+/-0.211 χ^2/NDF : 4880668.9/53

All: 1784.550+/-0.151 χ^2/NDF : 10462241.3/104

- sign 1806.564+/-0.217 χ^2/NDF : 5561584.7/54

diff_bpm1p03aY_mean vs Slug



Right In: -0.289 ± 0.347 χ^2/NDF : 28.8/30

Left Out: -1.179 ± 0.502 χ^2/NDF : 24.4/24

Right Out: -1.800 ± 0.341 χ^2/NDF : 67.0/32

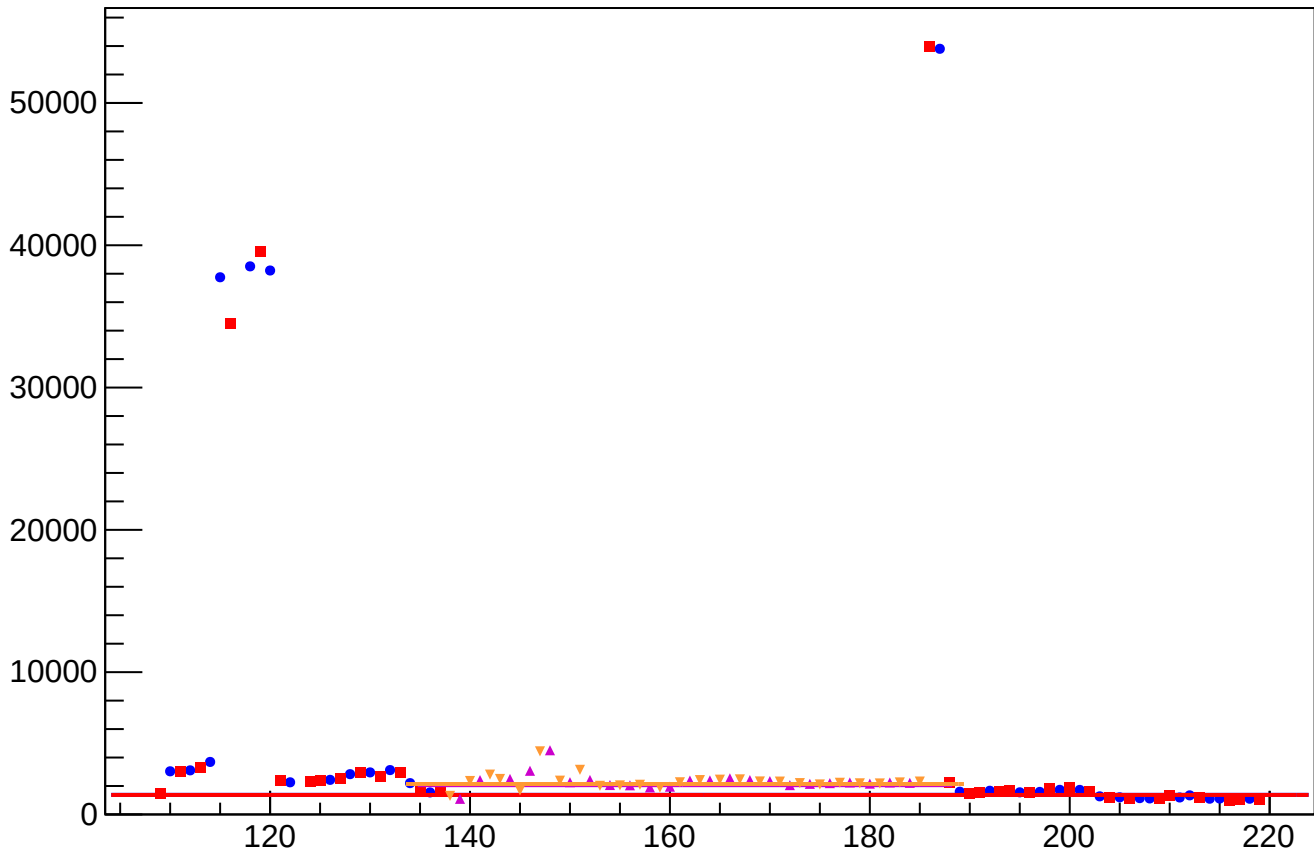
Left In: 0.125 ± 0.501 χ^2/NDF : 16.9/22

+ sign -0.576 ± 0.285 χ^2/NDF : 55.3/55

All: -0.887 ± 0.201 χ^2/NDF : 151.7/111

- sign -1.191 ± 0.282 χ^2/NDF : 94.0/55

diff_bpm1p03aY_rms vs Slug



Right In: 1378.279 $\pm$ 0.245 χ^2 /NDF: 4946408.7/28

Left Out: 2139.248 $\pm$ 0.355 χ^2 /NDF: 1480000.5/24

Right Out: 1371.063 $\pm$ 0.241 χ^2 /NDF: 5499651.1/31

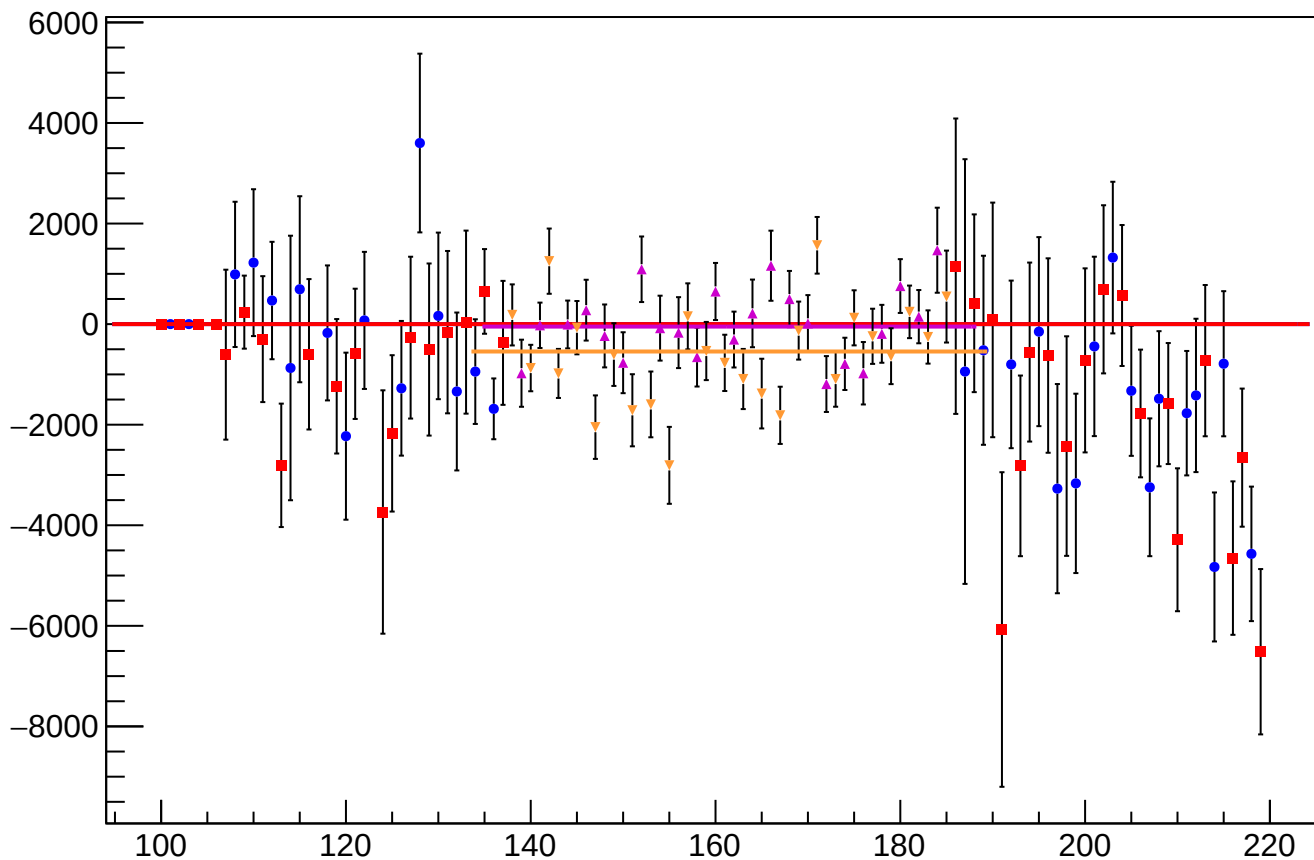
Left In: 2058.216 $\pm$ 0.354 χ^2 /NDF: 2293601.6/22

+ sign 1623.702 $\pm$ 0.202 χ^2 /NDF: 9534172.6/53

All: 1605.935 $\pm$ 0.142 χ^2 /NDF: 19911591.8/100

- sign 1588.582 $\pm$ 0.199 χ^2 /NDF: 10362094.0/54

diff_cav4bX_mean vs Slug



Right In: 0.254 ± 0.356 χ^2/NDF : 58.0/31

Left Out: -544.414 ± 117.154 χ^2/NDF : 60.9/24

Right Out: 0.095 ± 0.328 χ^2/NDF : 65.5/36

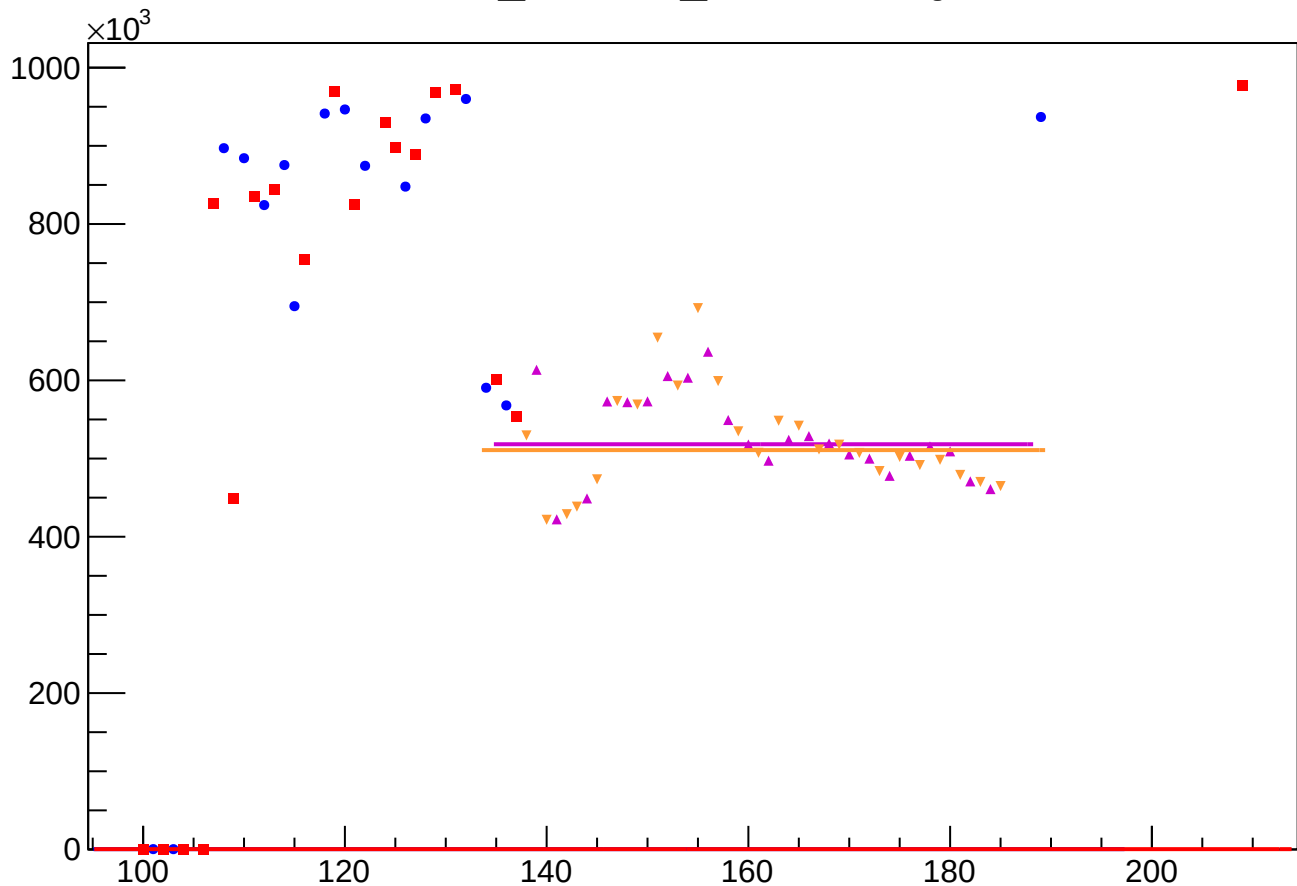
Left In: -49.119 ± 121.932 χ^2/NDF : 28.0/22

+ sign 0.249 ± 0.356 χ^2/NDF : 140.4/56

All: 0.165 ± 0.241 χ^2/NDF : 234.2/116

- sign 0.094 ± 0.328 χ^2/NDF : 93.7/59

diff_cav4bX_rms vs Slug



Right In: 398.894 ± 0.251 χ^2/NDF : 8685185.3/15

Left Out: 510811.545 ± 82.841 χ^2/NDF : 509606.7/24

Right Out: 393.242 ± 0.232 χ^2/NDF : 7684547.6/18

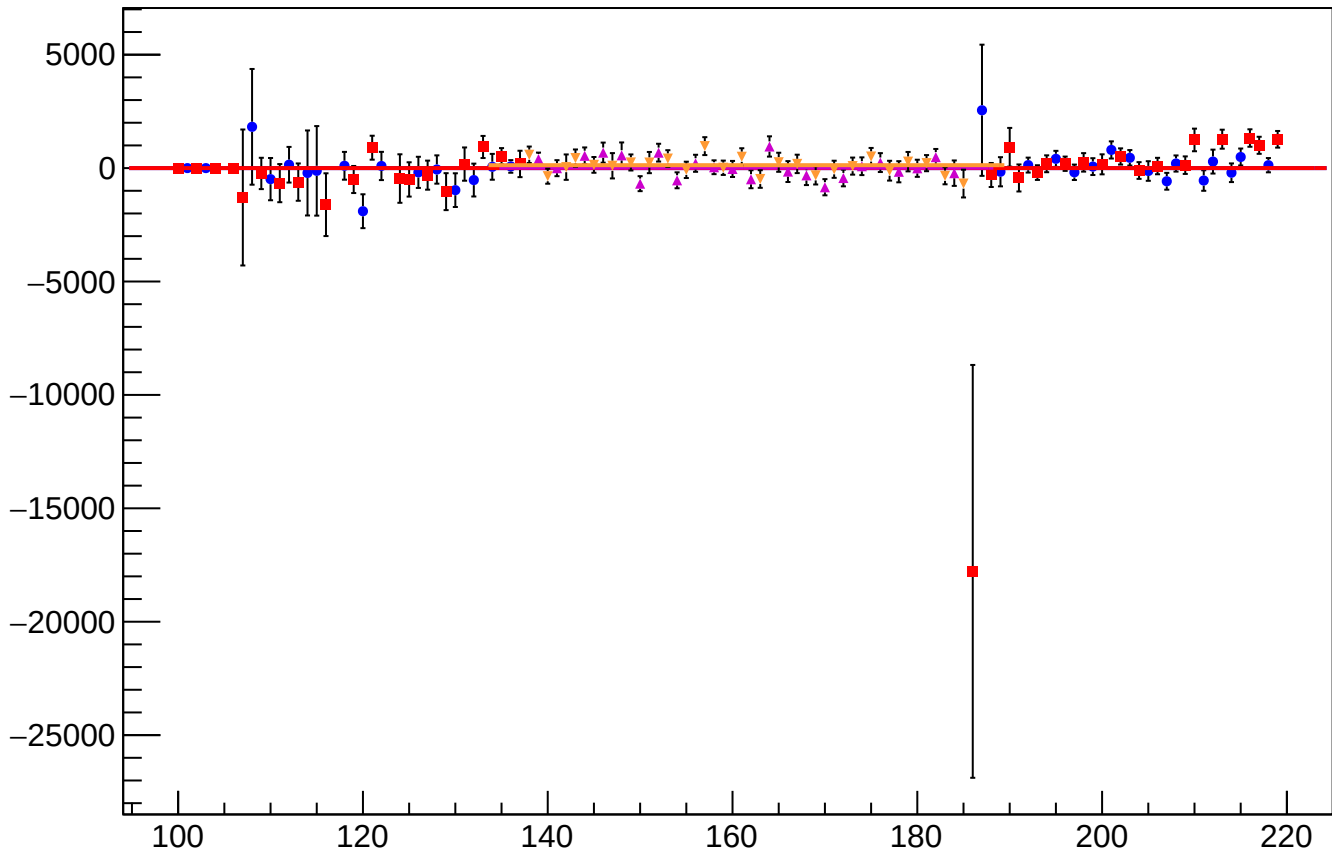
Left In: 518313.411 ± 86.219 χ^2/NDF : 399884.6/22

+ sign 403.598 ± 0.251 χ^2/NDF : 47157011.5/40

All: 400.022 ± 0.170 χ^2/NDF : 91325731.6/82

- sign 396.985 ± 0.232 χ^2/NDF : 44168346.1/41

diff_cav4bY_mean vs Slug



Right In: -0.019 ± 0.347 χ^2/NDF : 26.1/31

Left Out: 128.971 ± 78.249 χ^2/NDF : 20.1/24

Right Out: 0.603 ± 0.324 χ^2/NDF : 71.1/36

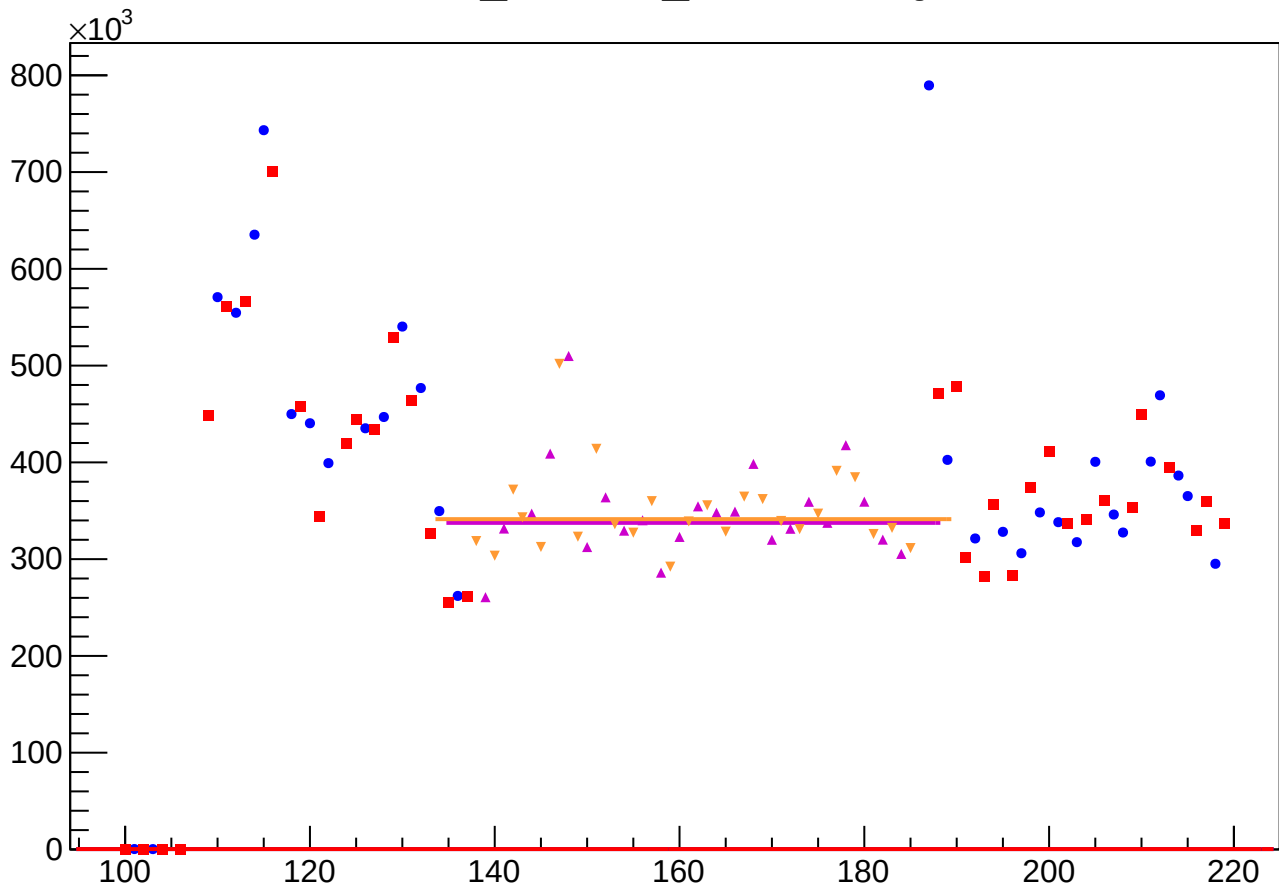
Left In: 19.324 ± 79.767 χ^2/NDF : 33.7/22

+ sign -0.017 ± 0.347 χ^2/NDF : 49.0/56

All: 0.315 ± 0.237 χ^2/NDF : 155.6/116

- sign 0.604 ± 0.324 χ^2/NDF : 104.9/59

diff_cav4bY_rms vs Slug



Right In: 394.560 ± 0.245 $\chi^2/\text{NDF}: 35959791.7/30$

Left Out: 341327.149 ± 55.330 $\chi^2/\text{NDF}: 403173.8/24$

Right Out: 391.880 ± 0.229 $\chi^2/\text{NDF}: 37596374.3/34$

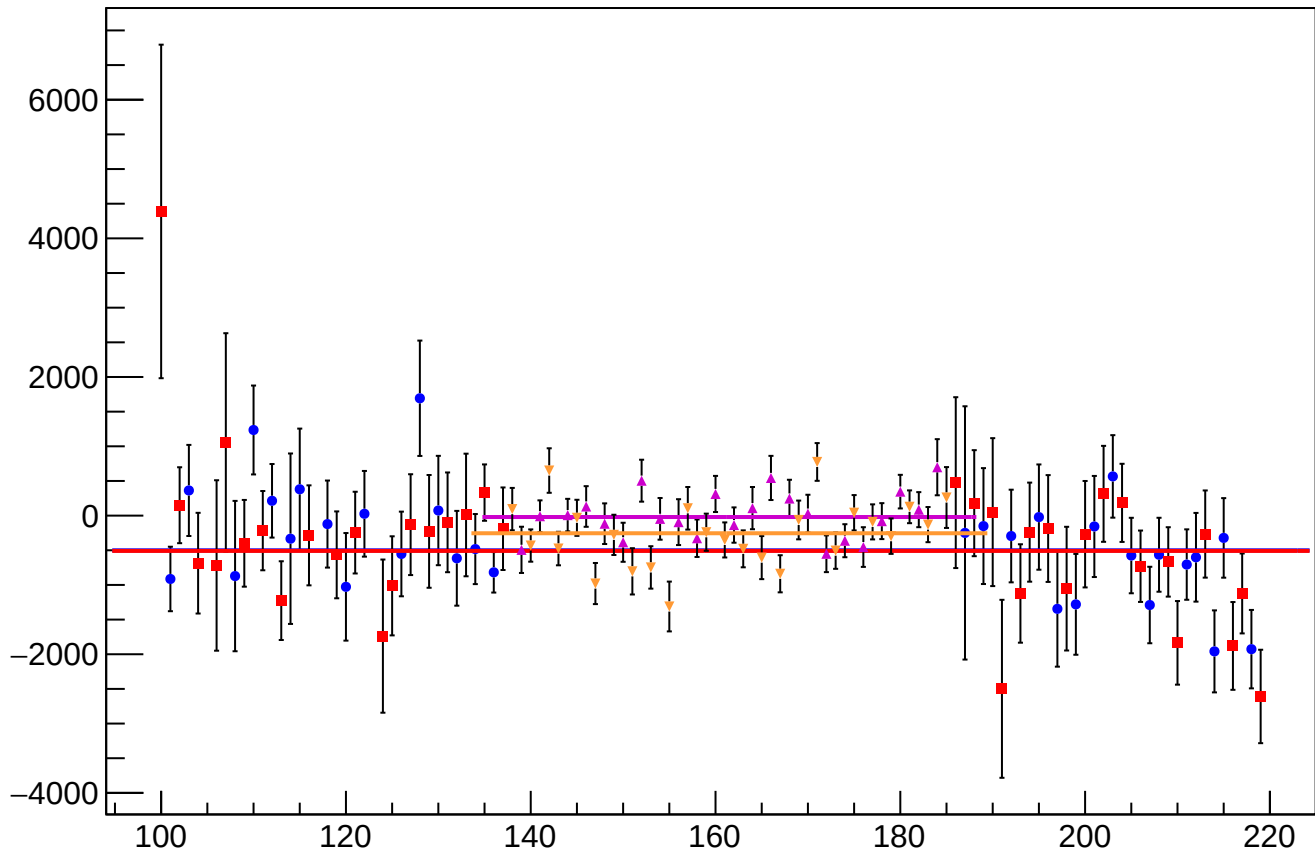
Left In: 337505.654 ± 56.407 $\chi^2/\text{NDF}: 600776.4/22$

+ sign 401.269 ± 0.245 $\chi^2/\text{NDF}: 74329748.0/55$

All: 399.218 ± 0.167 $\chi^2/\text{NDF}: 148244621.3/100$

- sign 397.434 ± 0.229 $\chi^2/\text{NDF}: 73914742.8/57$

diff_cav4cX_mean vs Slug



Right In: -500.995 ± 108.280 $\chi^2/\text{NDF}: 44.1/31$

Left Out: -254.371 ± 55.417 $\chi^2/\text{NDF}: 61.3/24$

Right Out: -509.095 ± 112.369 $\chi^2/\text{NDF}: 45.6/36$

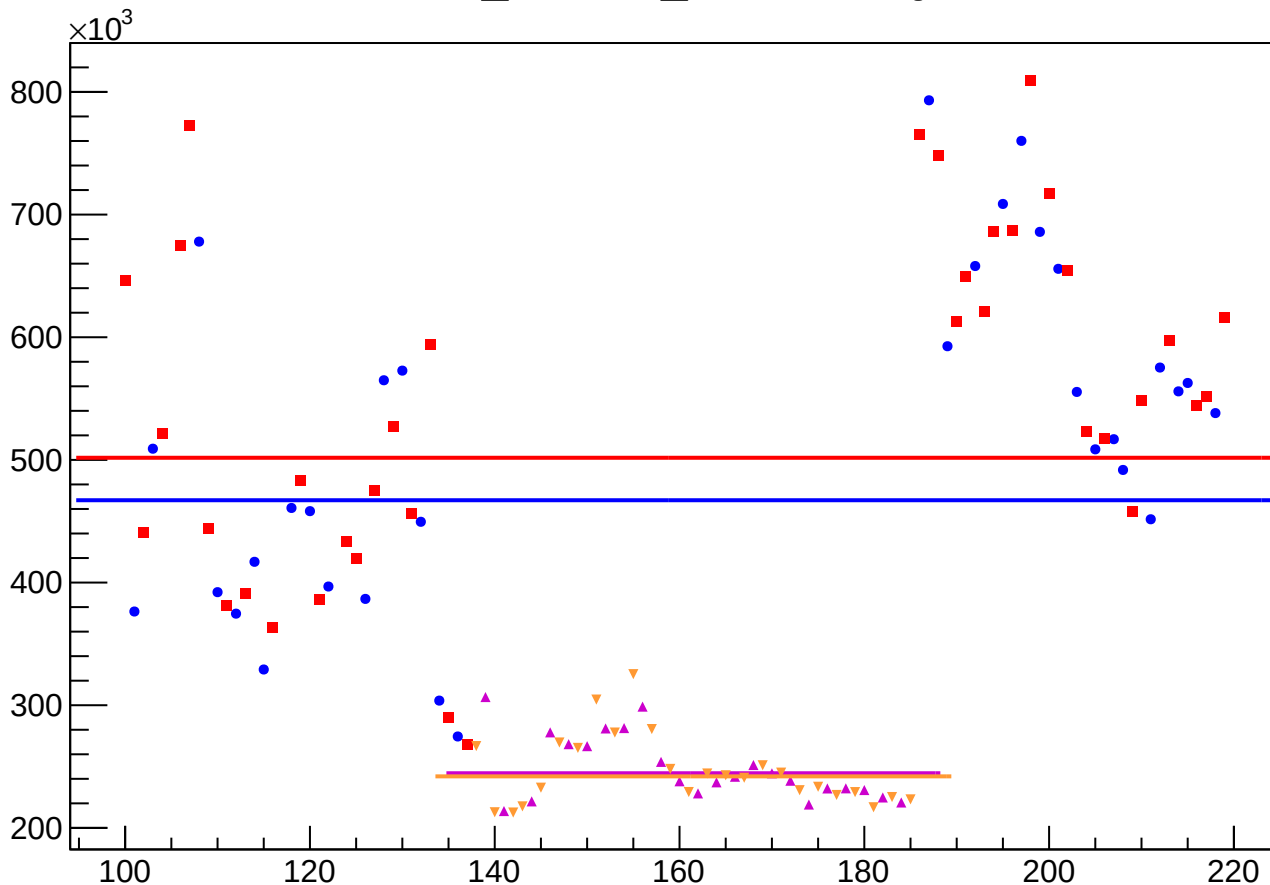
Left In: -20.176 ± 57.484 $\chi^2/\text{NDF}: 28.6/22$

+ sign -305.562 ± 49.332 $\chi^2/\text{NDF}: 109.5/56$

All: -216.948 ± 35.517 $\chi^2/\text{NDF}: 205.4/116$

- sign -121.586 ± 51.176 $\chi^2/\text{NDF}: 89.2/59$

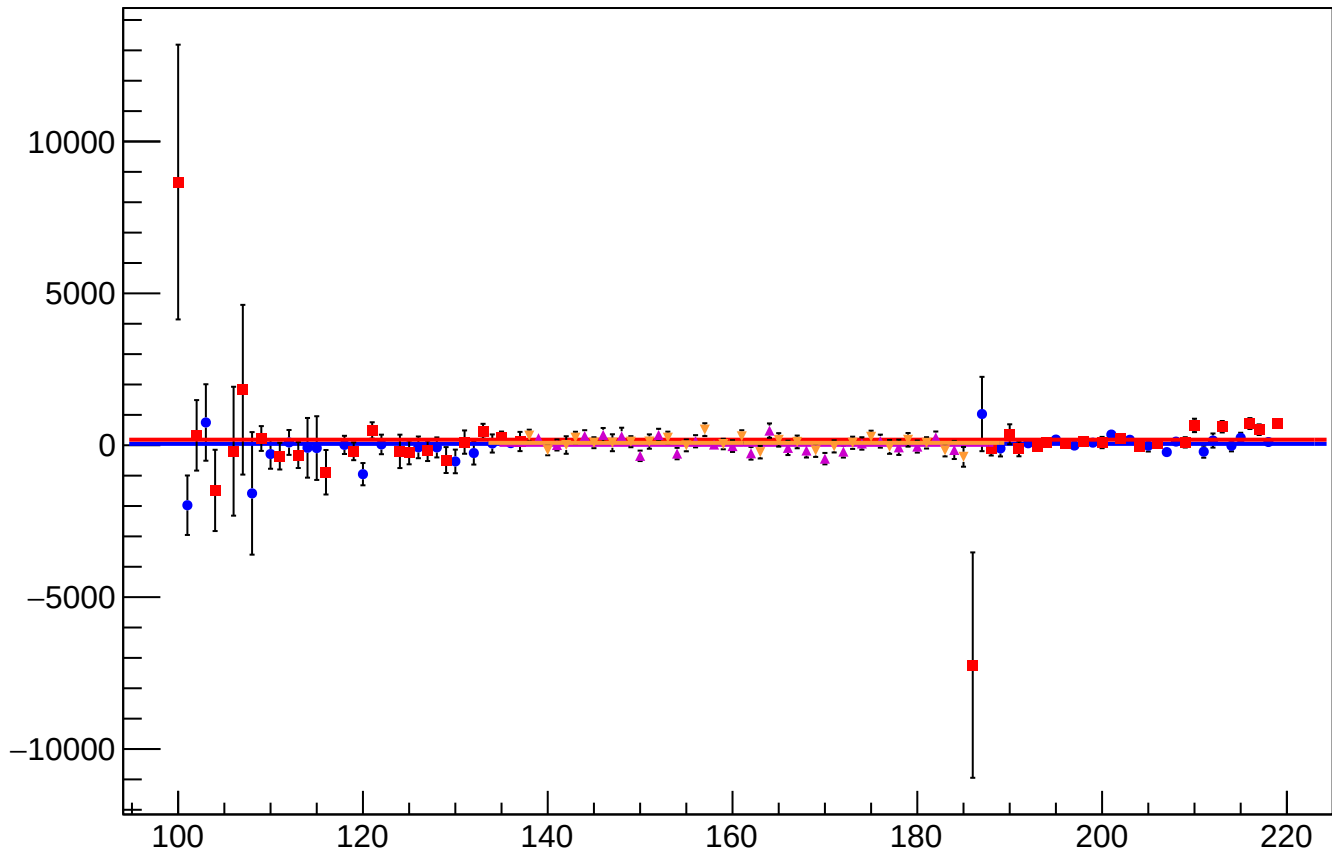
diff_cav4cX_rms vs Slug



Right In: 467122.270+/-76.577 χ^2/NDF : 2805870.1/31
 Left Out: 242008.749+/-39.186 χ^2/NDF : 413236.1/24
 Right Out: 501748.797+/-79.530 χ^2/NDF : 2671772.8/36
 Left In: 244542.686+/-40.647 χ^2/NDF : 361527.4/22

+ sign 288723.560+/-34.884 χ^2/NDF : 10067562.1/5
 All: 293101.218+/-25.117 χ^2/NDF : 21426562.1/5
 - sign 297813.815+/-36.194 χ^2/NDF : 11326299.5/5

diff_cav4cY_mean vs Slug



Right In: 45.439 $\pm$ 37.944 χ^2 /NDF: 29.7/31

Left Out: 79.495 $\pm$ 41.301 χ^2 /NDF:19.7/24

Right Out: 183.387 $\pm$ 37.381 χ^2 /NDF: 68.7/36

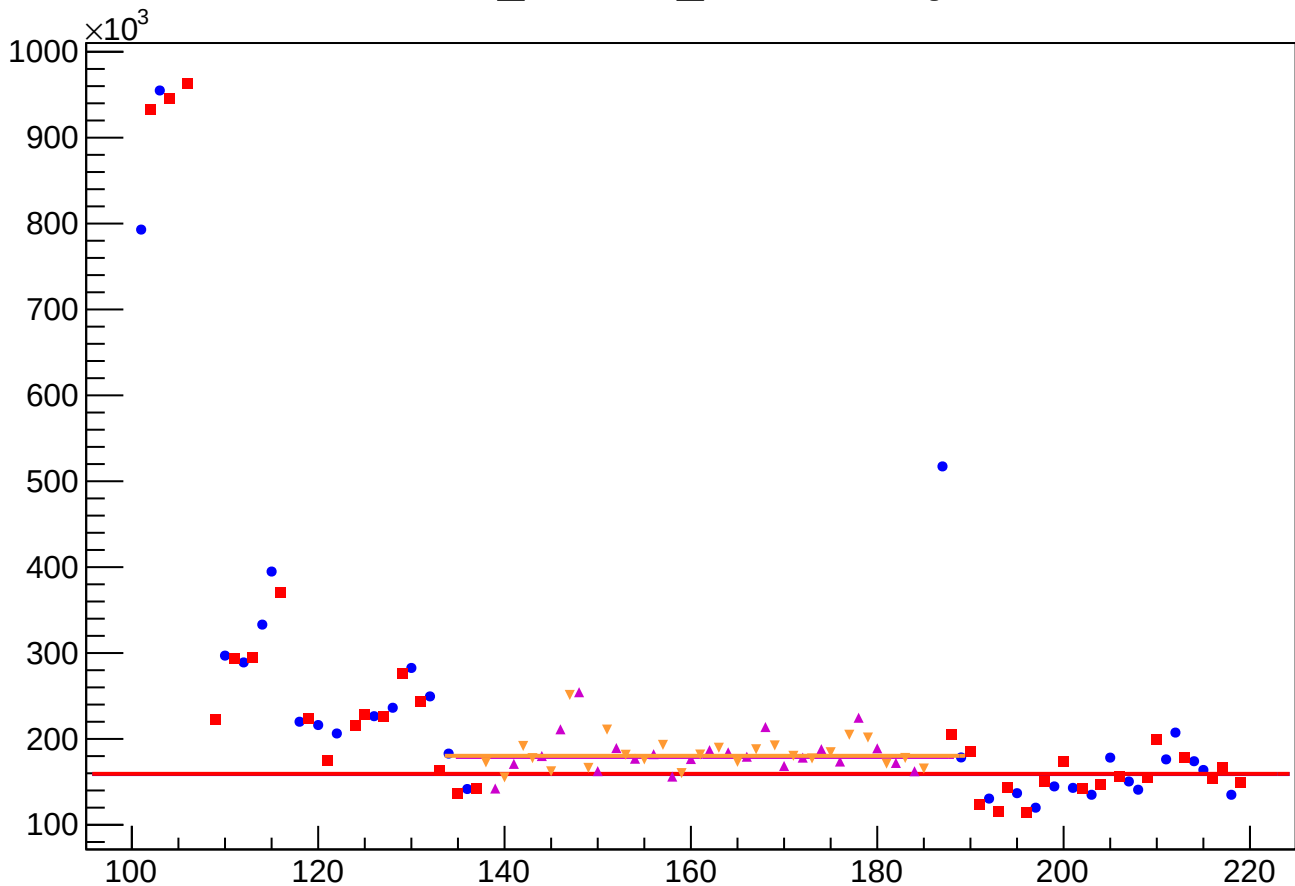
Left In: 14.032 $\pm$ 42.233 χ^2 /NDF:33.2/22

+ sign 61.027 $\pm$ 27.942 χ^2 /NDF: 49.8/56

All: 84.968 $\pm$ 19.775 χ^2 /NDF: 162.2/116

- sign 108.993 $\pm$ 27.991 χ^2 /NDF: 110.9/59

diff_cav4cY_rms vs Slug



Right In: 159102.043 $\pm$ 26.839

χ^2/NDF : 3429998.1/30

+ sign 168827.727 $\pm$ 19.761 χ^2/NDF : 4063380.1/55

Left Out: 180342.867 $\pm$ 29.204

χ^2/NDF : 346596.9/24

All: 168410.910 $\pm$ 13.986 χ^2/NDF : 8182635.1/100

Right Out: 159341.429 $\pm$ 26.446

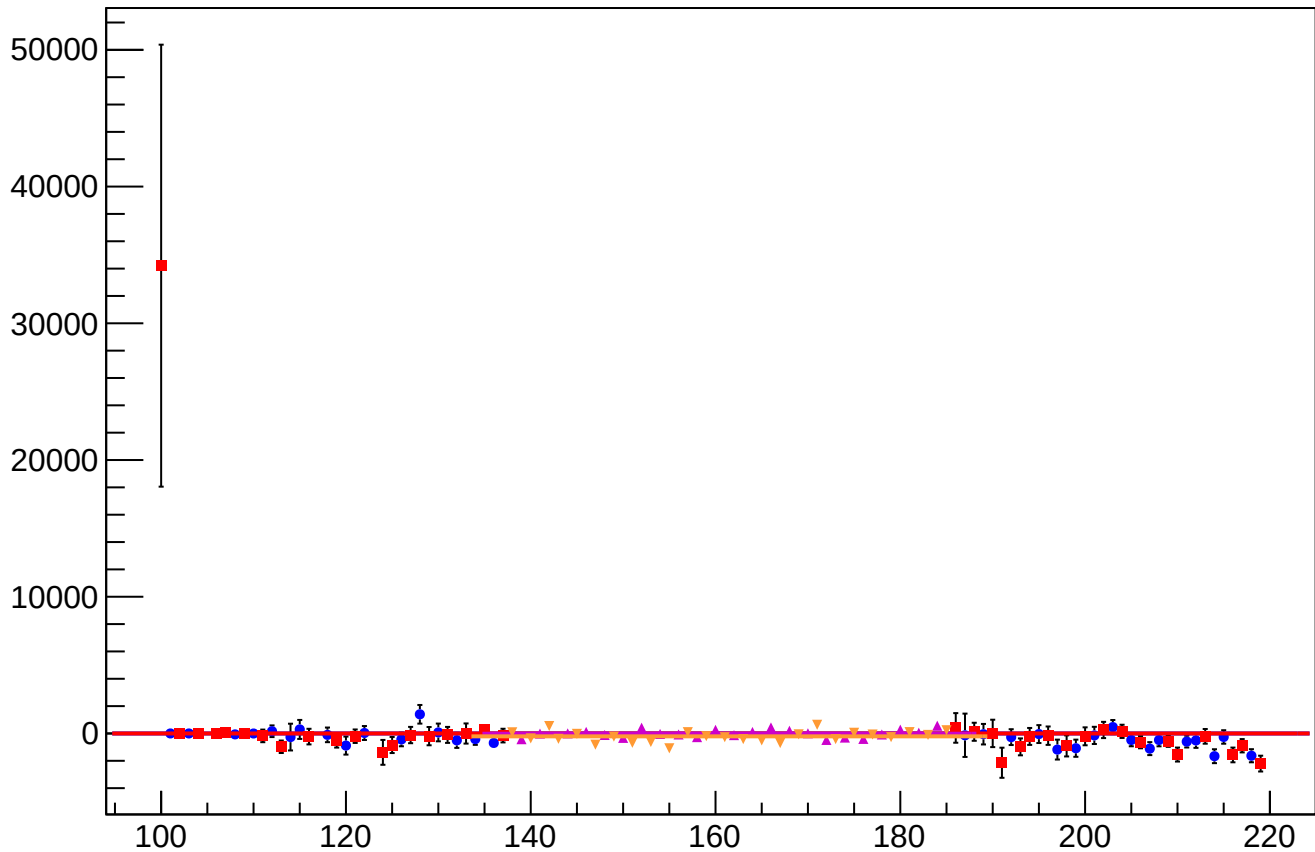
χ^2/NDF : 3373490.9/33

- sign 167992.525 $\pm$ 19.798 χ^2/NDF : 4118363.5/56

Left In: 179024.195 $\pm$ 29.863

χ^2/NDF : 501400.7/22

diff_cav4dX_mean vs Slug



Right In: -0.036 ± 0.172 χ^2/NDF : 57.7/31

Left Out: -210.198 ± 46.290 χ^2/NDF : 61.2/24

Right Out: -0.356 ± 0.160 χ^2/NDF : 64.4/36

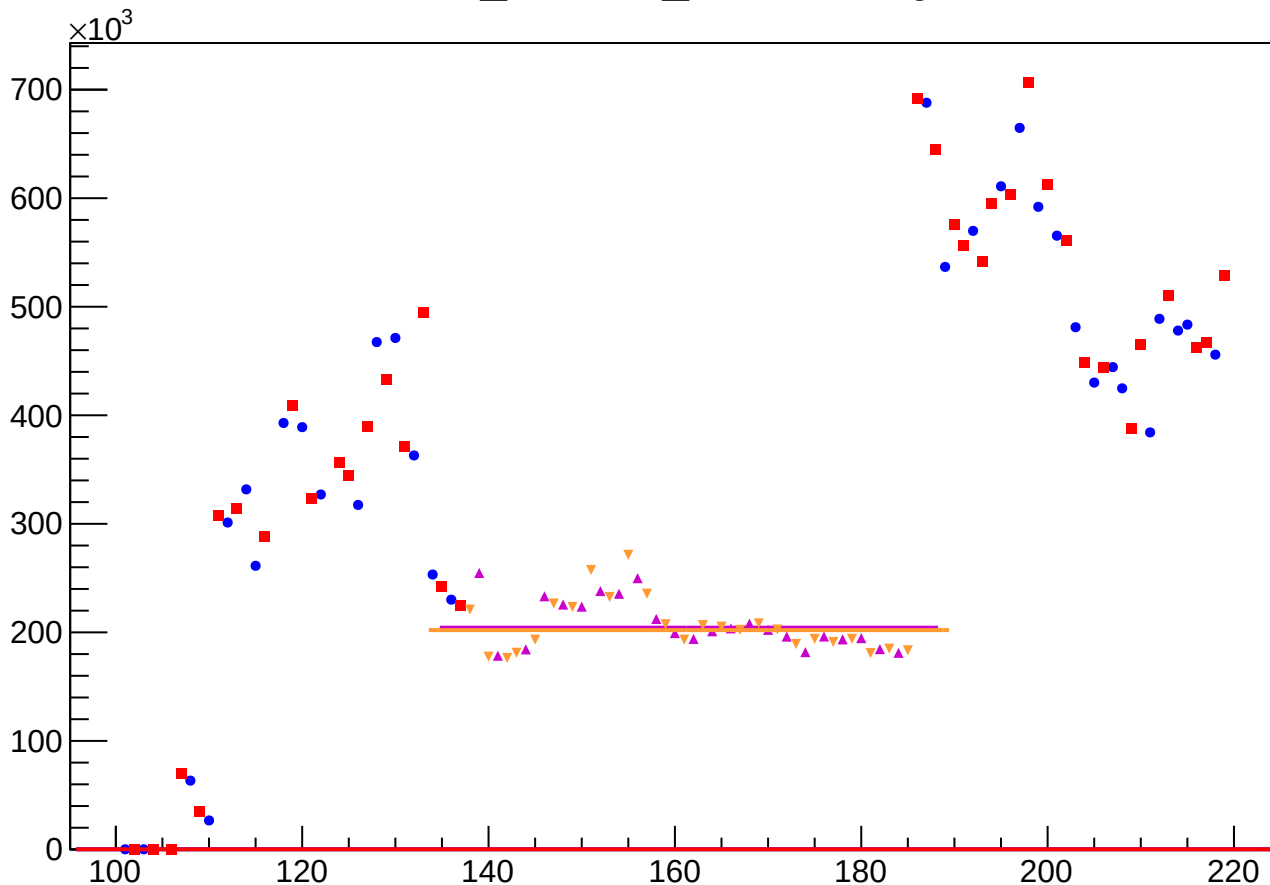
Left In: -21.095 ± 48.037 χ^2/NDF : 28.6/22

+ sign -0.039 ± 0.172 χ^2/NDF : 139.5/56

All: -0.209 ± 0.117 χ^2/NDF : 234.5/116

- sign -0.356 ± 0.160 χ^2/NDF : 93.2/59

diff_cav4dX_rms vs Slug



Right In: 149.860 ± 0.122 χ^2/NDF : 37069837.3/31

Left Out: 202085.802 ± 32.732 χ^2/NDF : 434069.3/24

Right Out: 150.062 ± 0.113 χ^2/NDF : 39228221.9/35

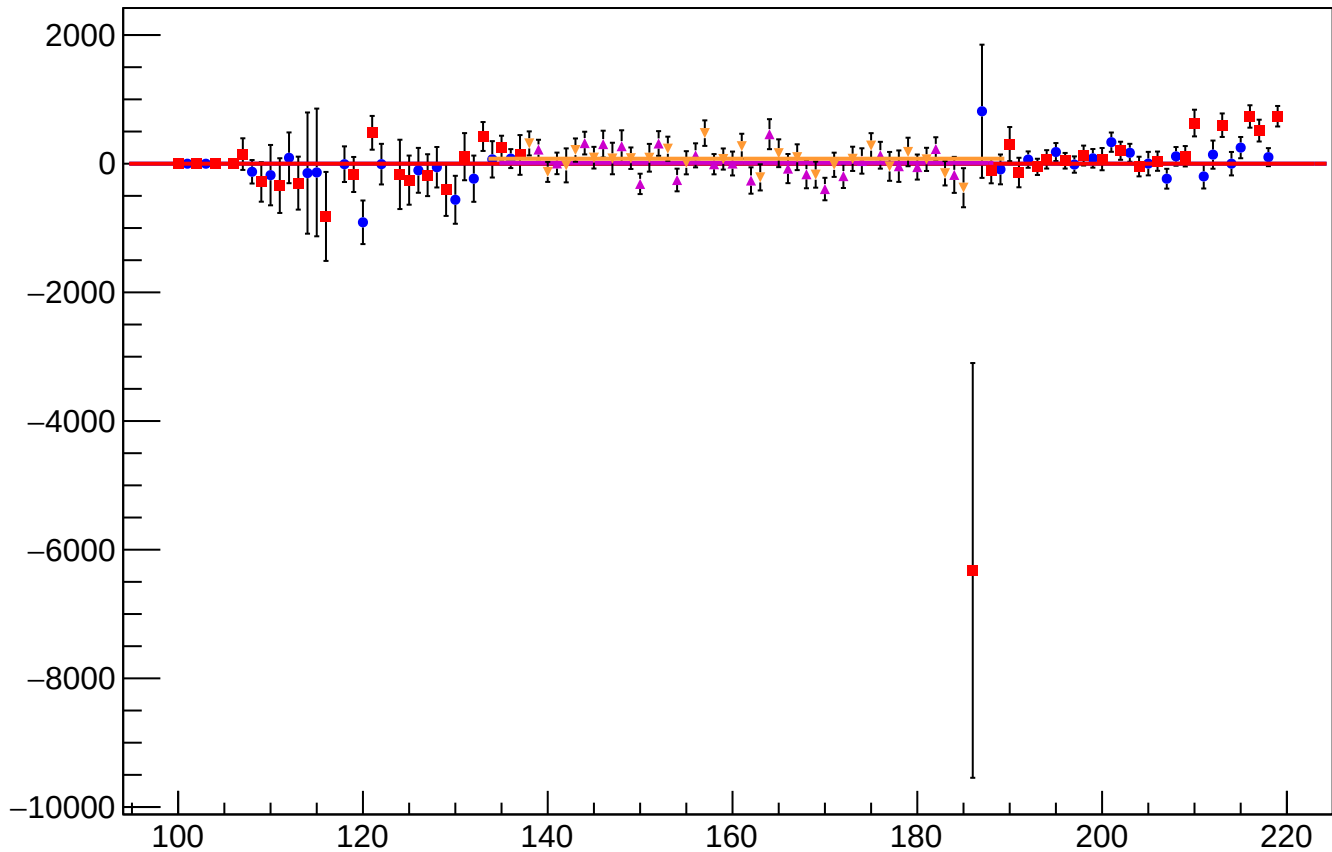
Left In: 204310.238 ± 33.967 χ^2/NDF : 377332.3/22

+ sign 152.656 ± 0.122 χ^2/NDF : 75565421.5/56

All: 152.482 ± 0.083 χ^2/NDF : 151296187.1/100

- sign 152.330 ± 0.113 χ^2/NDF : 75730761.8/58

diff_cav4dY_mean vs Slug



Right In: -0.067 ± 0.177 χ^2/NDF : 28.0/31

Left Out: 77.572 ± 38.921 χ^2/NDF : 19.1/24

Right Out: 0.130 ± 0.166 χ^2/NDF : 93.5/36

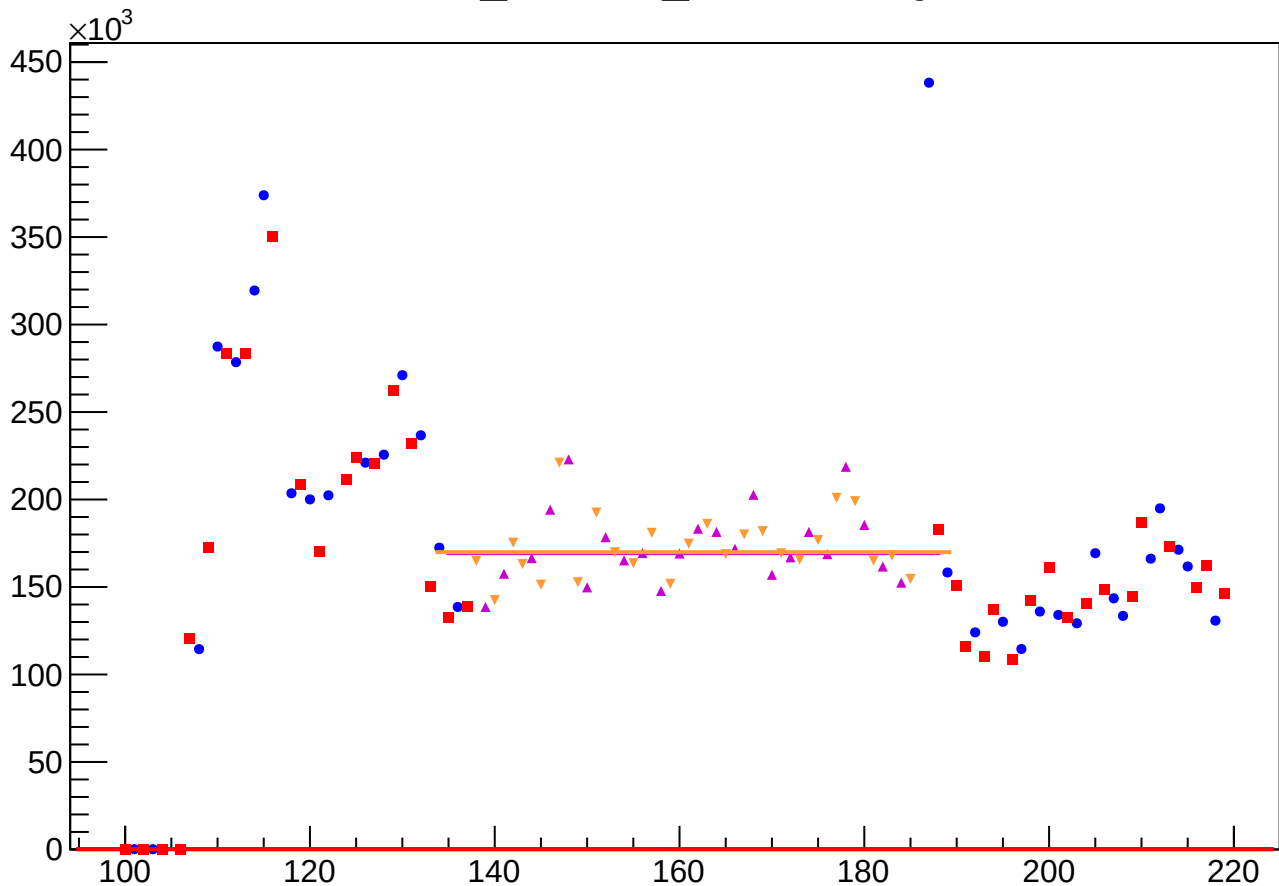
Left In: 13.457 ± 39.929 χ^2/NDF : 32.7/22

+ sign -0.065 ± 0.177 χ^2/NDF : 51.1/56

All: 0.038 ± 0.121 χ^2/NDF : 178.0/116

- sign 0.130 ± 0.166 χ^2/NDF : 126.3/59

diff_cav4dY_rms vs Slug



Right In: 156.218 $\pm$ 0.125 χ^2 /NDF: 37219930.9/31

Left Out: 169916.225 $\pm$ 27.521 χ^2 /NDF:363966.0/24

Right Out: 158.716 $\pm$ 0.118 χ^2 /NDF: 38089555.8/35

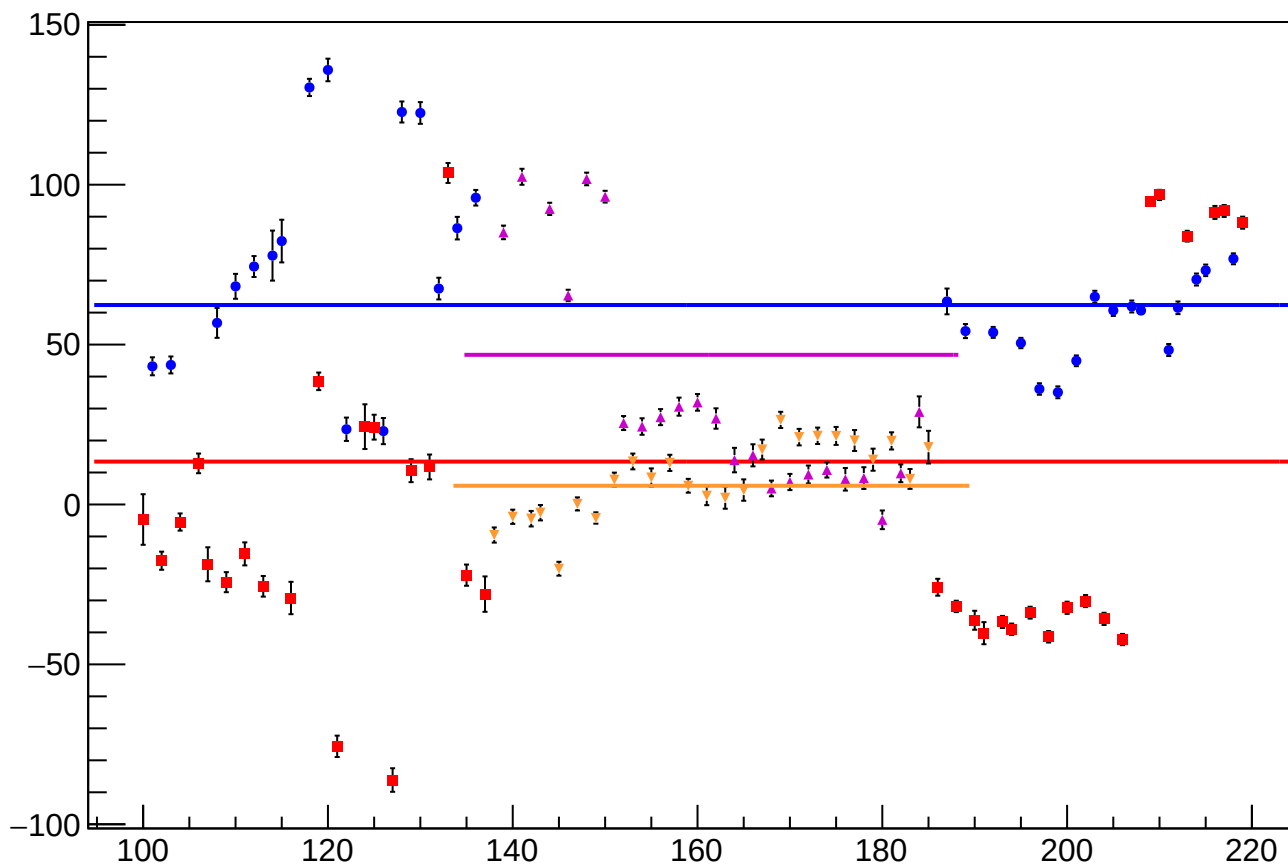
Left In: 169352.083 $\pm$ 28.234 χ^2 /NDF:474852.1/22

+ sign 159.738 $\pm$ 0.125 χ^2 /NDF: 75630823.5/56

All: 160.758 $\pm$ 0.086 χ^2 /NDF: 150104431.9/100

- sign 161.658 $\pm$ 0.118 χ^2 /NDF: 74473483.7/58

diff_bpm0i01X_mean vs Slug



Right In: 62.374 $\pm$ 0.405 χ^2 /NDF: 3106.0/31

Left Out: 5.852 $\pm$ 0.514 χ^2 /NDF: 535.3/24

Right Out: 13.409 $\pm$ 0.386 χ^2 /NDF: 24145.7/36

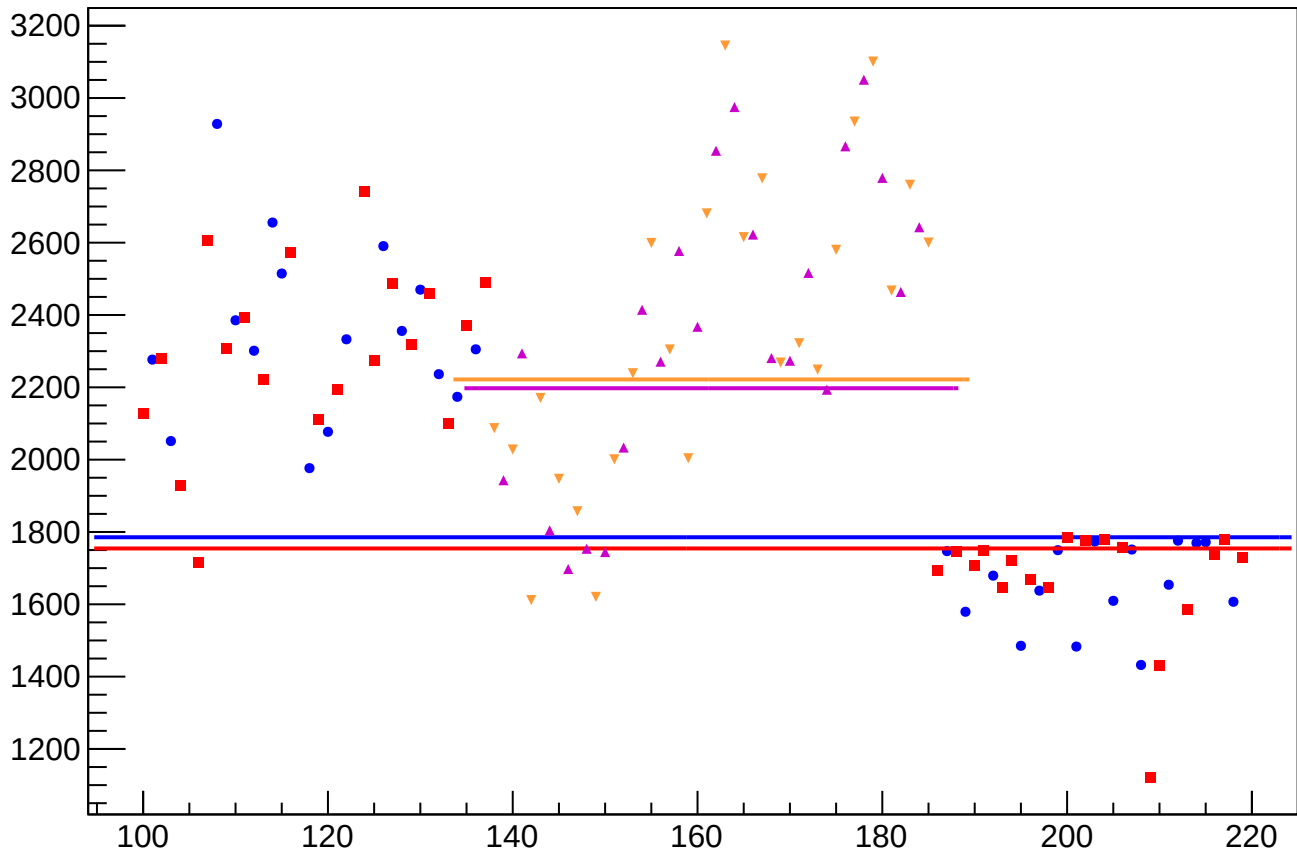
Left In: 46.796 $\pm$ 0.524 χ^2 /NDF: 5175.4/22

+ sign 40.707 $\pm$ 0.318 χ^2 /NDF: 11098.8/56

All: 32.744 $\pm$ 0.222 χ^2 /NDF: 44271.9/116

- sign 25.142 $\pm$ 0.311 χ^2 /NDF: 31949.2/59

diff_bpm0i01X_rms vs Slug



Right In: 1785.406 $\pm$ 0.287 χ^2 /NDF: 1110079.3/31

Left Out: 2221.771 $\pm$ 0.363 χ^2 /NDF:1184043.2/24

Right Out: 1754.433 $\pm$ 0.273 χ^2 /NDF: 1478198.0/36

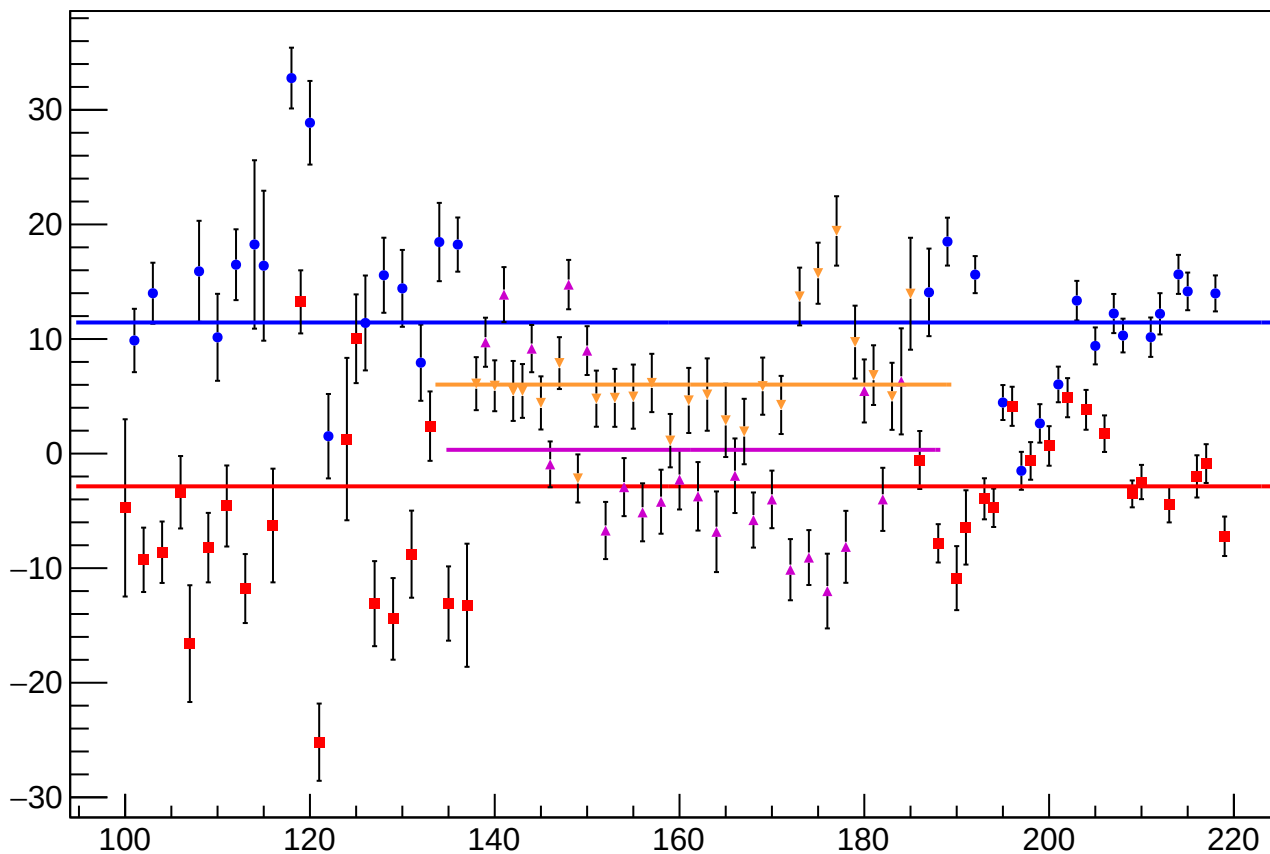
Left In: 2197.471 $\pm$ 0.371 χ^2 /NDF:1104663.4/22

+ sign 1952.681 $\pm$ 0.225 χ^2 /NDF: 3183082.1/56

All: 1930.908 $\pm$ 0.157 χ^2 /NDF: 6709824.2/11

- sign 1910.125 $\pm$ 0.220 χ^2 /NDF: 3508443.2/59

diff_bpm0i01Y_mean vs Slug



Right In: 11.443 ± 0.379 χ^2/NDF : 273.2/31

Left Out: 6.022 ± 0.521 χ^2/NDF : 71.8/24

Right Out: -2.859 ± 0.362 χ^2/NDF : 253.0/36

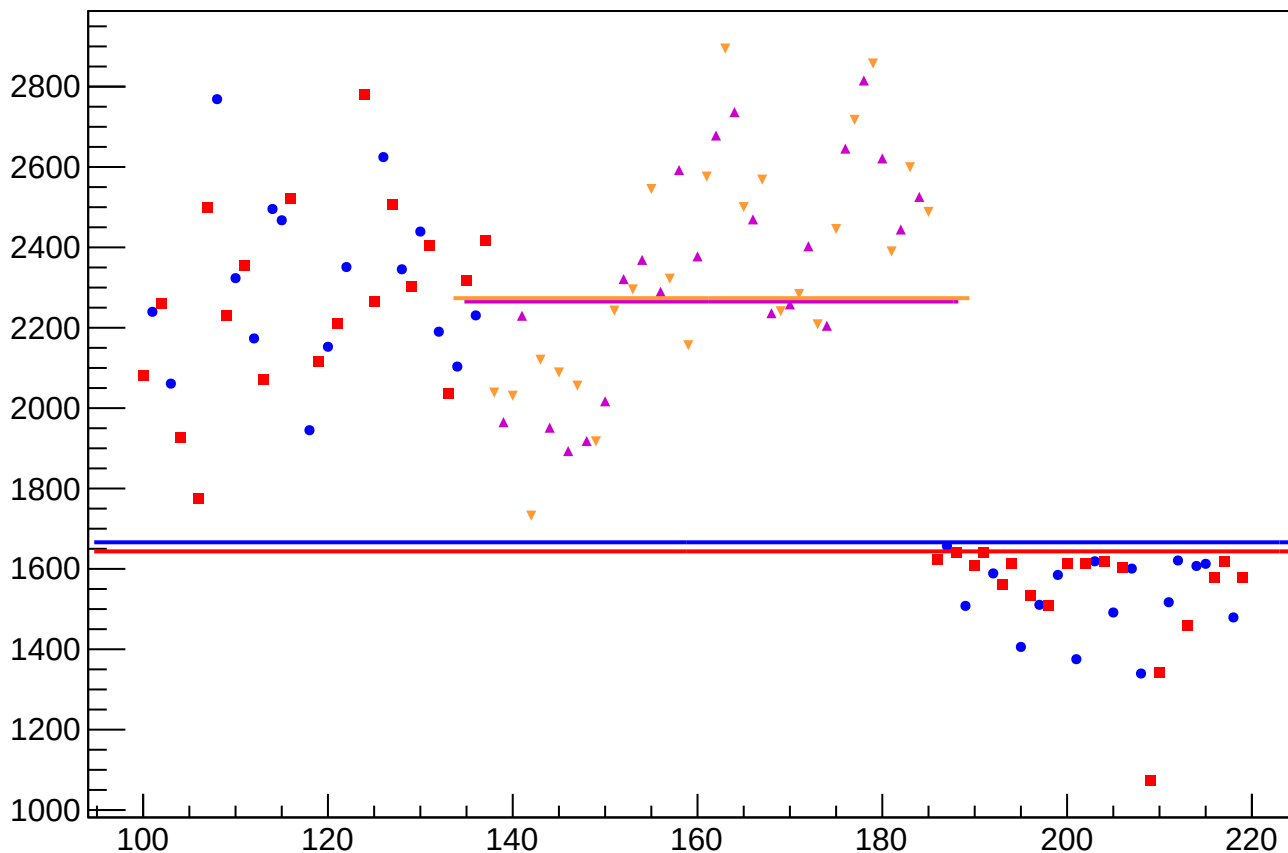
Left In: 0.329 ± 0.535 χ^2/NDF : 224.9/22

+ sign 9.566 ± 0.306 χ^2/NDF : 415.8/56

All: 3.732 ± 0.214 χ^2/NDF : 1627.4/116

- sign -1.855 ± 0.300 χ^2/NDF : 502.3/59

diff_bpm0i01Y_rms vs Slug



Right In: 1666.183 ± 0.268 $\chi^2/\text{NDF}: 1389000.9/31$

Left Out: 2273.612 ± 0.368 $\chi^2/\text{NDF}: 536838.6/24$

Right Out: 1643.534 ± 0.256 $\chi^2/\text{NDF}: 1698781.1/36$

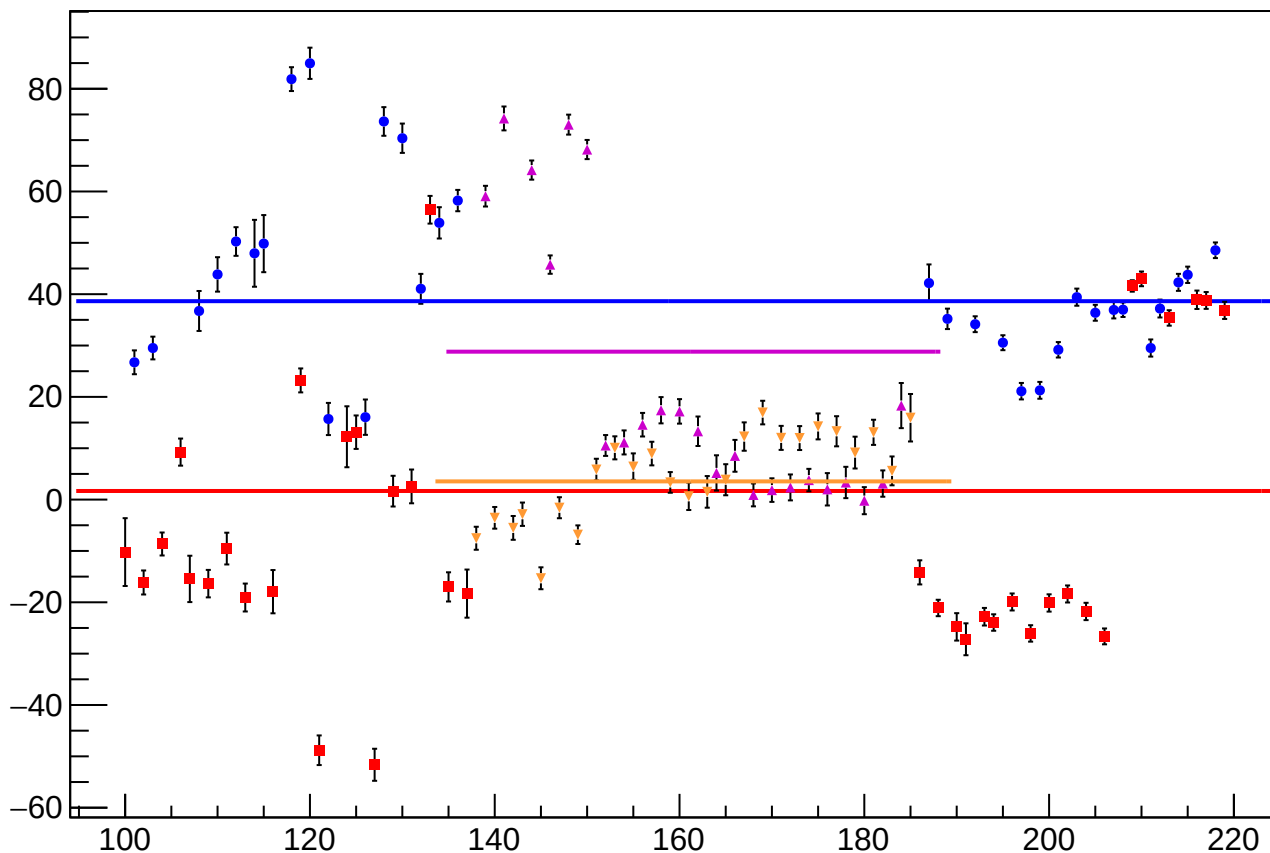
Left In: 2265.257 ± 0.378 $\chi^2/\text{NDF}: 495816.5/22$

+ sign 1876.536 ± 0.217 $\chi^2/\text{NDF}: 3704189.0/56$

All: 1857.492 ± 0.152 $\chi^2/\text{NDF}: 7767527.4/11$

- sign 1839.253 ± 0.212 $\chi^2/\text{NDF}: 4048221.1/59$

diff_bpm0i01aX_mean vs Slug



Right In: 38.638 ± 0.357 $\chi^2/\text{NDF}: 1547.9/31$

Left Out: 3.544 ± 0.480 $\chi^2/\text{NDF}: 319.8/24$

Right Out: 1.675 ± 0.340 $\chi^2/\text{NDF}: 7635.8/36$

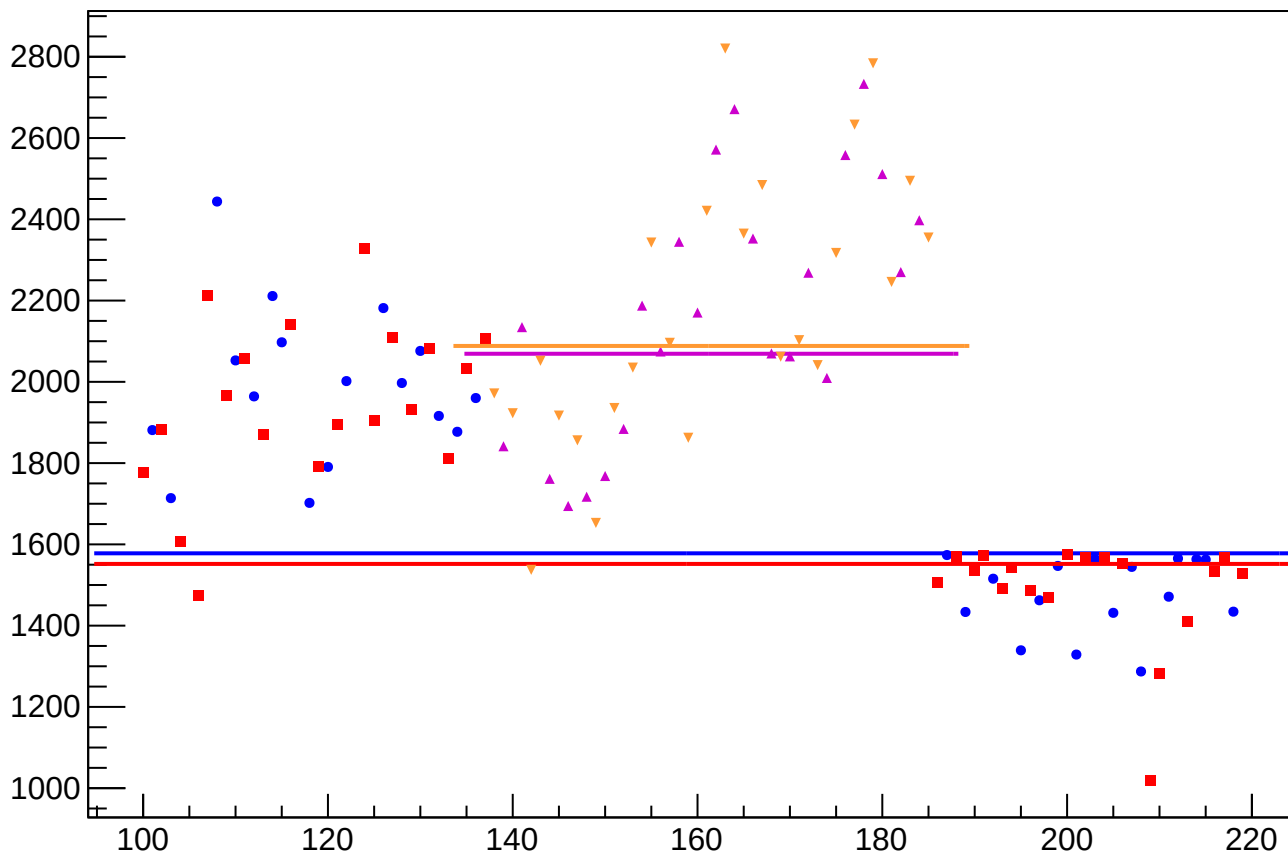
Left In: 28.804 ± 0.491 $\chi^2/\text{NDF}: 3262.5/22$

+ sign 26.163 ± 0.286 $\chi^2/\text{NDF}: 5309.0/56$

All: 18.131 ± 0.200 $\chi^2/\text{NDF}: 19808.0/116$

- sign 10.475 ± 0.280 $\chi^2/\text{NDF}: 12962.1/59$

diff_bpm0i01aX_rms vs Slug



Right In: 1577.989 $\pm$ 0.252 χ^2 /NDF: 851898.5/31

Left Out: 2088.353 $\pm$ 0.340 χ^2 /NDF: 787429.8/24

Right Out: 1551.893 $\pm$ 0.240 χ^2 /NDF: 1176827.7/36

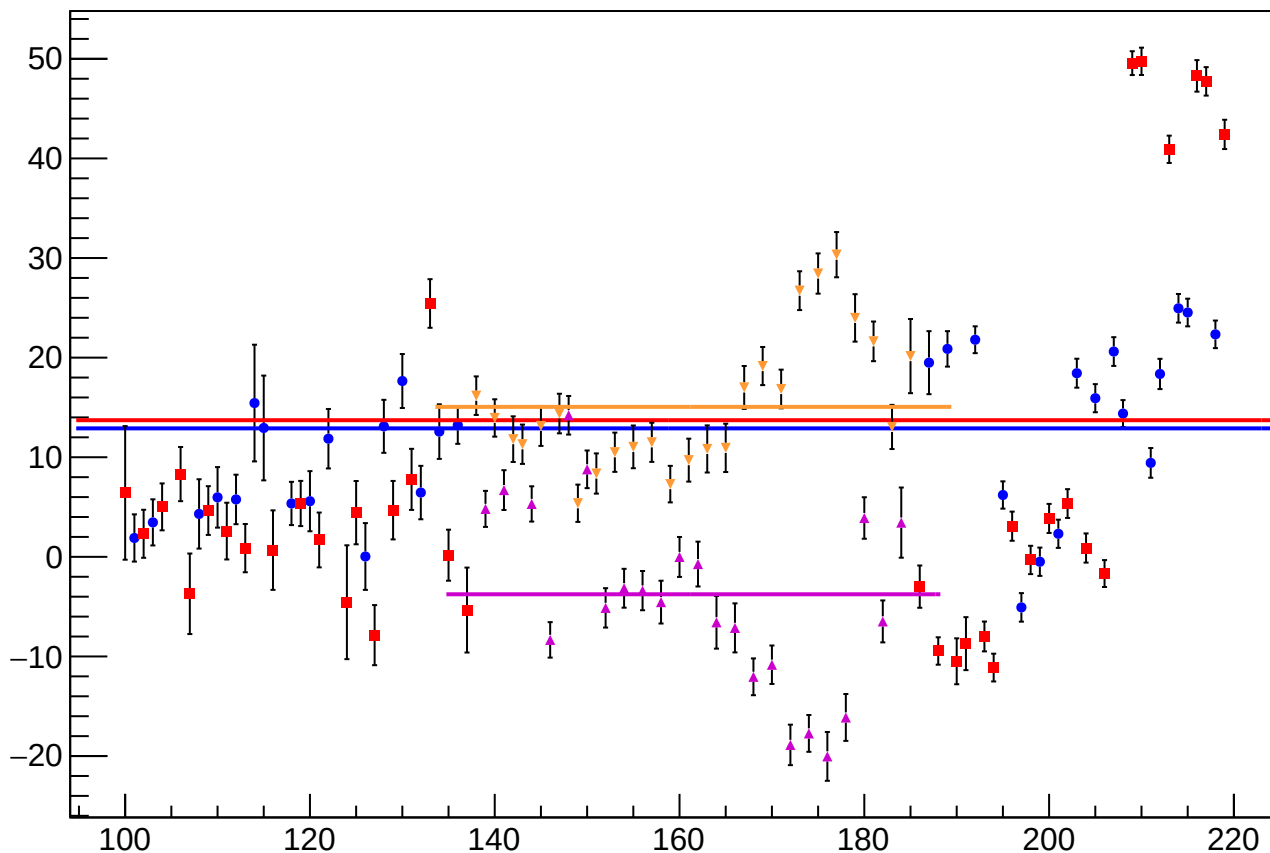
Left In: 2069.116 $\pm$ 0.347 χ^2 /NDF: 711501.5/22

+ sign 1759.412 $\pm$ 0.202 χ^2 /NDF: 3094951.2/56

All: 1739.058 $\pm$ 0.141 χ^2 /NDF: 6503358.9/11

- sign 1719.659 $\pm$ 0.198 χ^2 /NDF: 3388671.7/59

diff_bpm0i01aY_mean vs Slug



Right In: 12.898 ± 0.324 χ^2/NDF : 747.8/31

Left Out: 15.056 ± 0.416 χ^2/NDF : 246.2/24

Right Out: 13.718 ± 0.311 χ^2/NDF : 5213.1/36

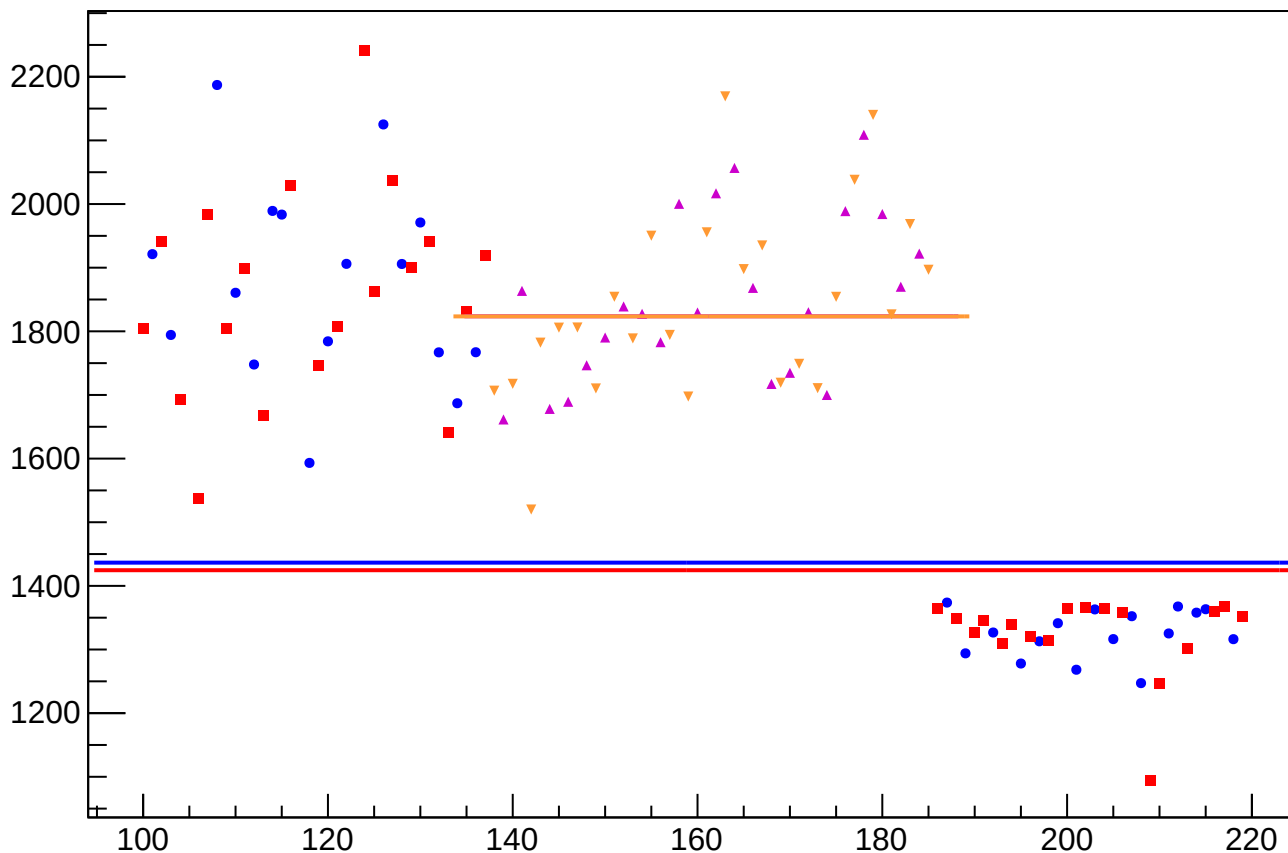
Left In: -3.758 ± 0.428 χ^2/NDF : 459.1/22

+ sign 13.714 ± 0.256 χ^2/NDF : 1010.7/56

All: 10.648 ± 0.179 χ^2/NDF : 8058.2/116

- sign 7.676 ± 0.252 χ^2/NDF : 6764.0/59

diff_bpm0i01aY_rms vs Slug



Right In: 1436.508 $\pm$ 0.229 χ^2 /NDF: 967472.5/31

Left Out: 1823.452 $\pm$ 0.294 χ^2 /NDF: 211274.0/24

Right Out: 1424.610 $\pm$ 0.220 χ^2 /NDF: 1061489.4/36

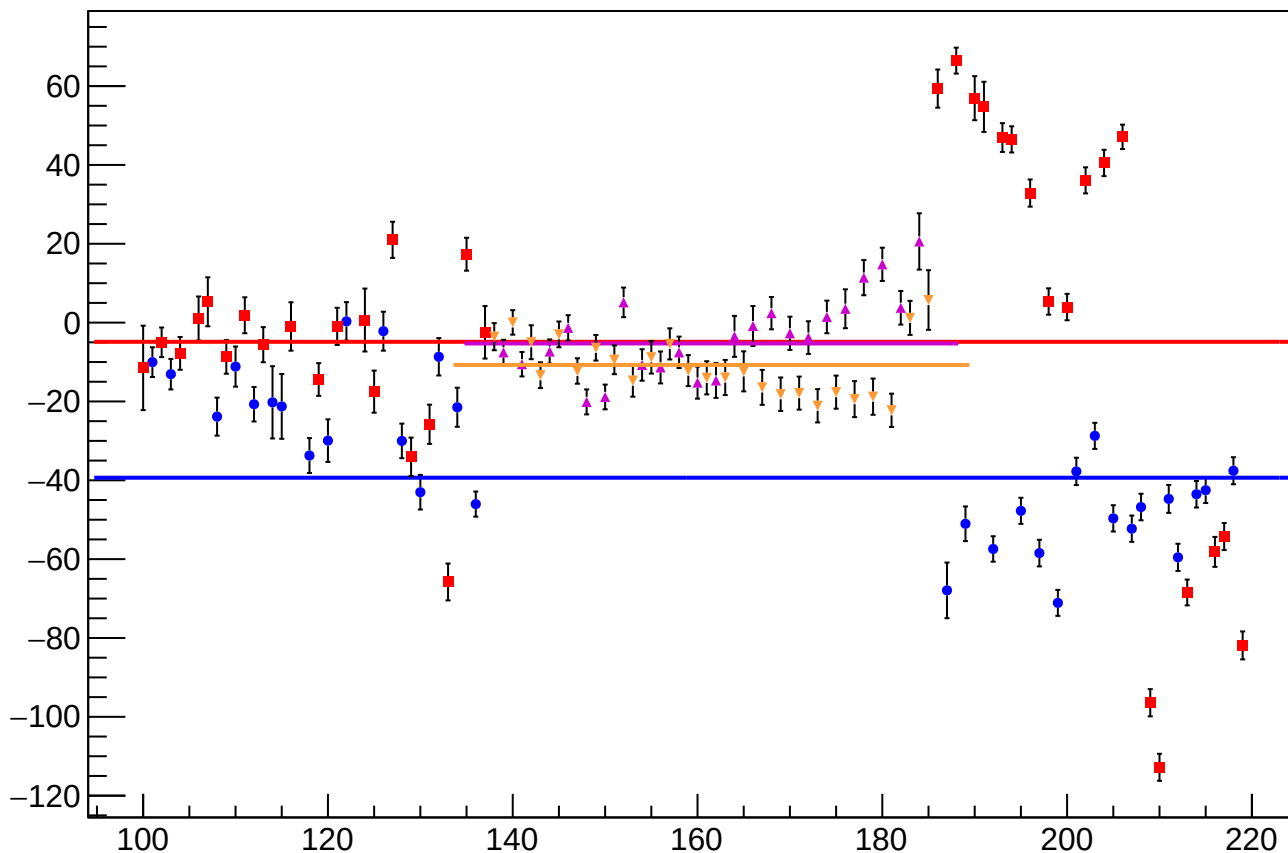
Left In: 1823.627 $\pm$ 0.303 χ^2 /NDF: 163768.2/22

+ sign 1582.711 $\pm$ 0.181 χ^2 /NDF: 2256931.7/56

All: 1572.477 $\pm$ 0.127 χ^2 /NDF: 4626798.0/11

- sign 1562.559 $\pm$ 0.178 χ^2 /NDF: 2363548.5/59

diff_bpm0l01X_mean vs Slug



Right In: -39.343 ± 0.696 χ^2/NDF : 632.4/31

Left Out: -10.732 ± 0.794 χ^2/NDF : 73.8/24

Right Out: -4.868 ± 0.676 χ^2/NDF : 5304.0/36

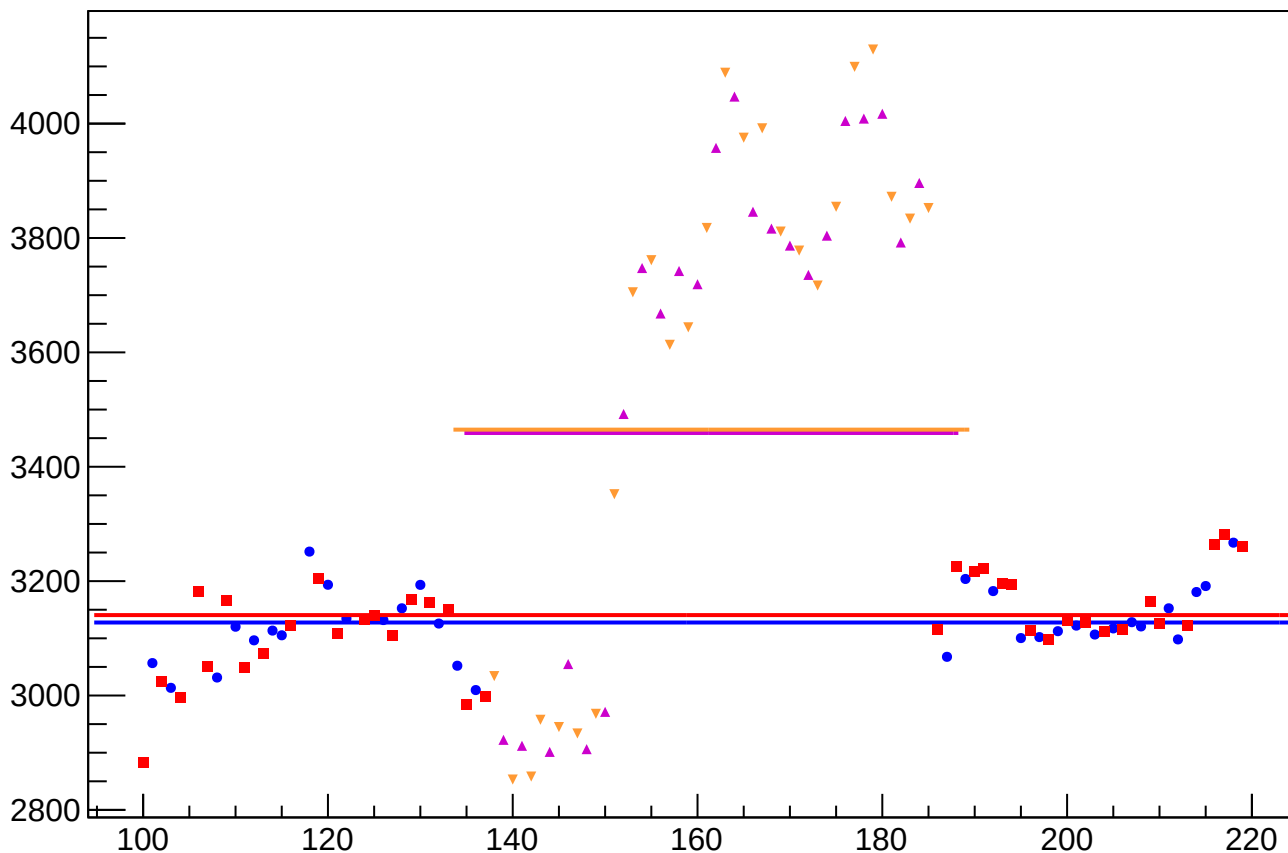
Left In: -5.291 ± 0.814 χ^2/NDF : 133.6/22

+ sign -26.915 ± 0.523 χ^2/NDF : 1440.9/56

All: -15.917 ± 0.369 χ^2/NDF : 7757.6/116

- sign -5.041 ± 0.520 χ^2/NDF : 5437.7/59

diff_bpm0l01X_rms vs Slug



Right In: 3127.659 $\pm$ 0.492 χ^2 /NDF: 15533.6/31

Left Out: 3464.906 $\pm$ 0.561 χ^2 /NDF:644023.5/24

Right Out: 3140.627 $\pm$ 0.478 χ^2 /NDF: 23726.9/36

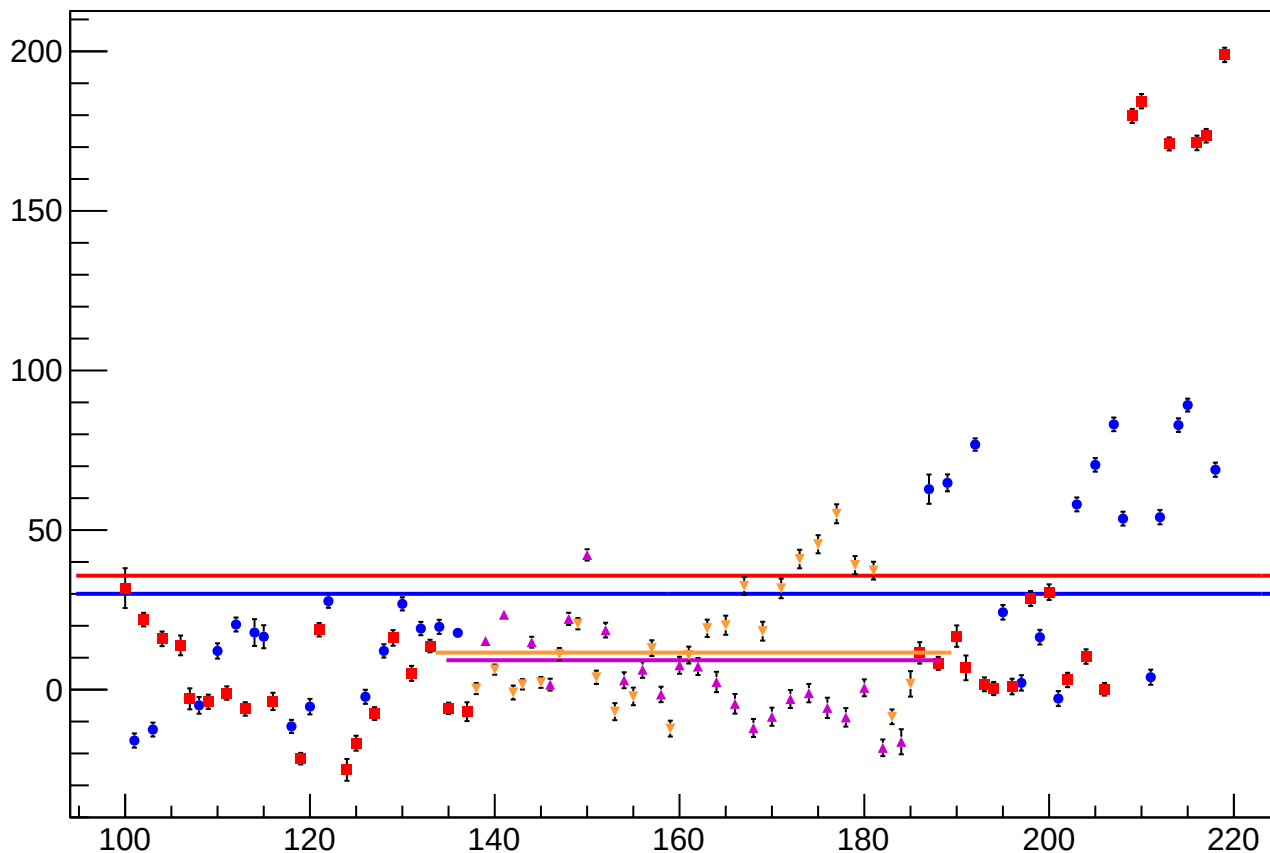
Left In: 3459.050 $\pm$ 0.576 χ^2 /NDF:583309.1/22

+ sign 3274.154 $\pm$ 0.370 χ^2 /NDF: 863735.3/56

All: 3272.370 $\pm$ 0.261 χ^2 /NDF: 1651802.1/11

- sign 3270.605 $\pm$ 0.368 χ^2 /NDF: 788020.5/59

diff_bpm0l01Y_mean vs Slug



Right In: 30.022 ± 0.392 χ^2/NDF : 6570.2/31

Left Out: 11.599 ± 0.463 χ^2/NDF : 1196.9/24

Right Out: 35.697 ± 0.382 χ^2/NDF : 32606.1/36

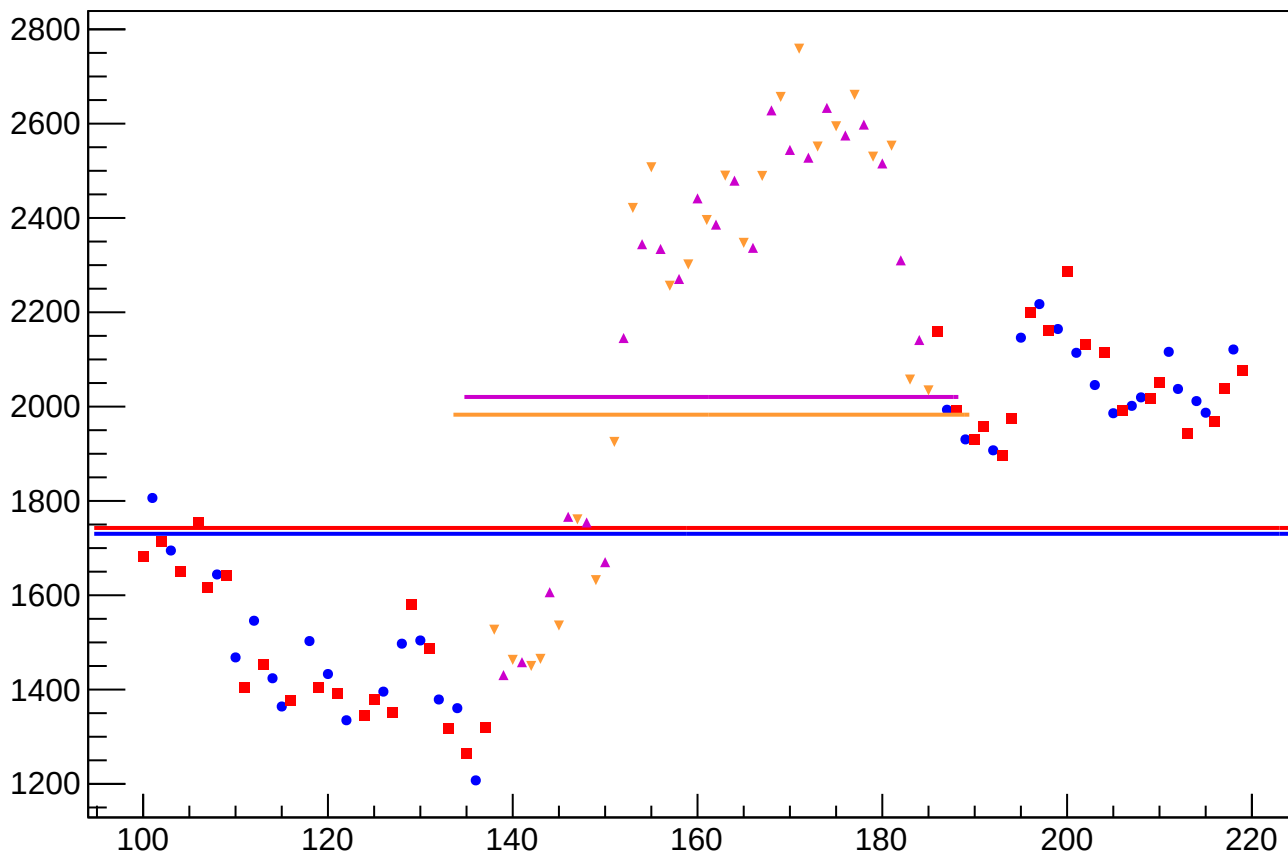
Left In: 9.213 ± 0.484 χ^2/NDF : 940.6/22

+ sign 22.331 ± 0.299 χ^2/NDF : 8687.8/56

All: 23.925 ± 0.212 χ^2/NDF : 44136.9/116

- sign 25.524 ± 0.300 χ^2/NDF : 35392.3/59

diff_bpm0l01Y_rms vs Slug



Right In: 1730.290+/-0.277 χ^2/NDF : 1401254.0/31

Left Out: 1982.871+/-0.328 χ^2/NDF : 1977669.4/24

Right Out: 1742.706+/-0.270 χ^2/NDF : 1401160.8/36

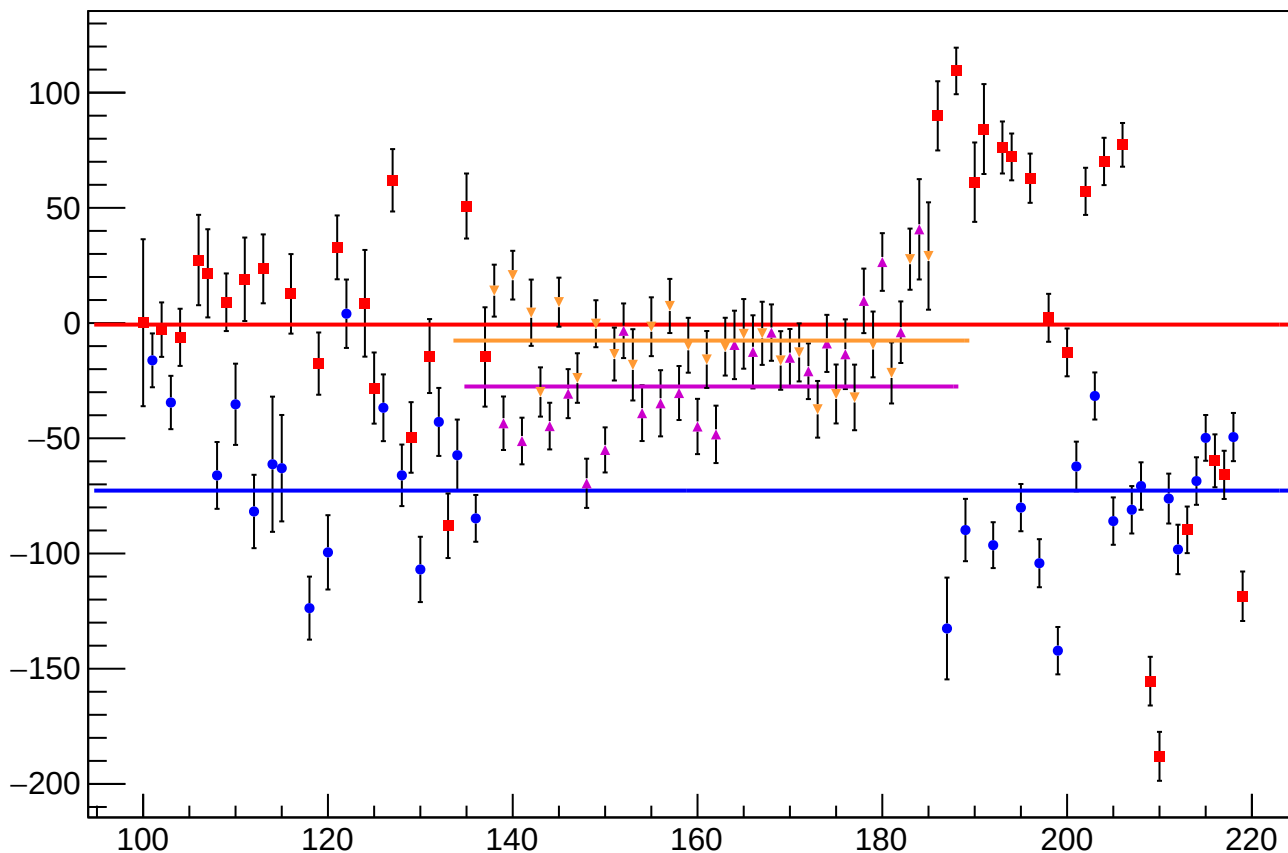
Left In: 2020.468+/-0.342 χ^2/NDF : 1614691.2/22

+ sign 1835.737+/-0.212 χ^2/NDF : 3725024.0/56

All: 1842.555+/-0.150 χ^2/NDF : 7148966.8/11

- sign 1849.392+/-0.212 χ^2/NDF : 3421866.0/59

diff_bpm0l02X_mean vs Slug



Right In: -72.698 ± 2.154 χ^2/NDF : 207.3/31

Left Out: -7.594 ± 2.495 χ^2/NDF : 47.9/24

Right Out: -0.660 ± 2.095 χ^2/NDF : 1362.3/36

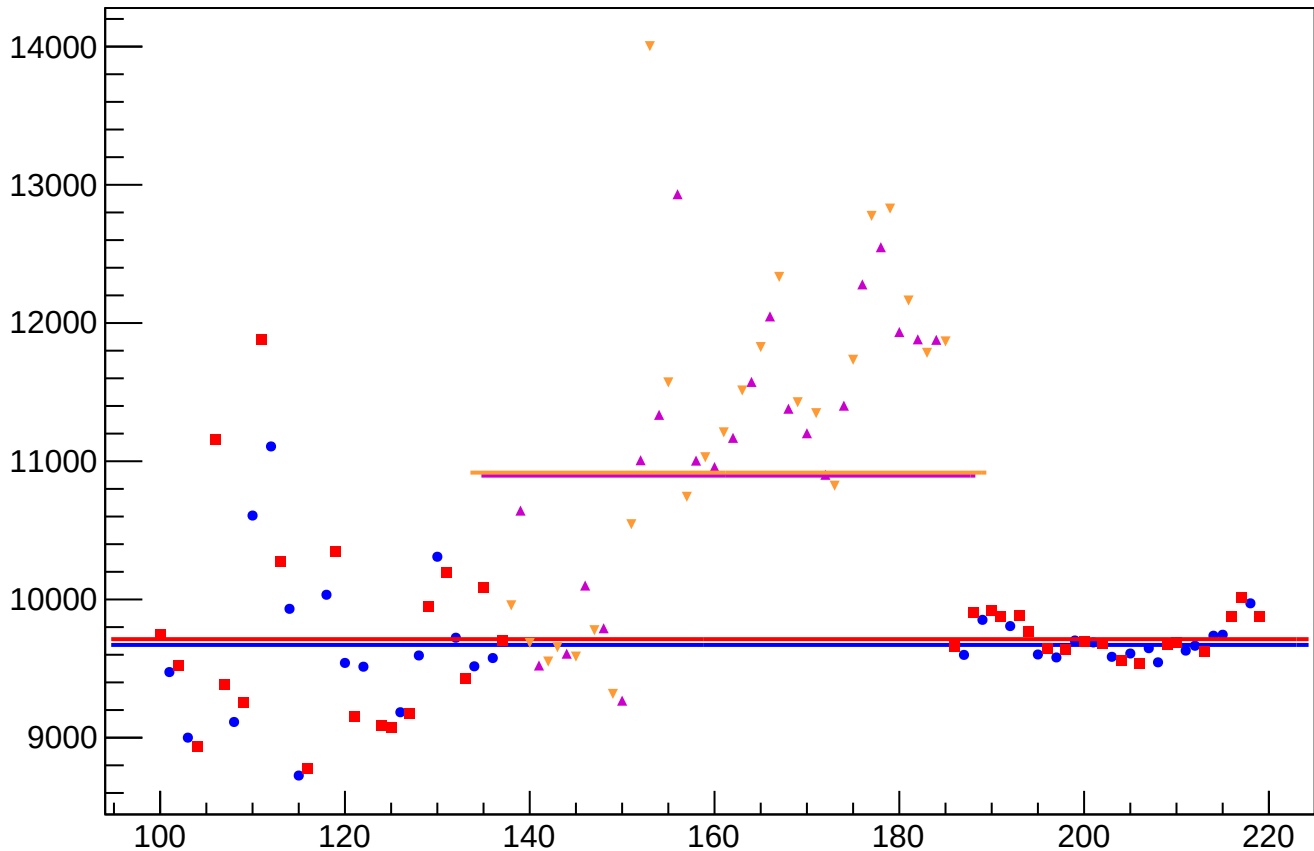
Left In: -27.528 ± 2.556 χ^2/NDF : 93.0/22

+ sign -44.896 ± 1.630 χ^2/NDF : 645.3/56

All: -28.069 ± 1.149 χ^2/NDF : 2378.4/116

- sign -11.453 ± 1.620 χ^2/NDF : 1521.4/59

diff_bpm0l02X_rms vs Slug



Right In: 9671.213+/-1.523 χ^2/NDF : 47640.7/31

Left Out: 10917.711+/-1.764 χ^2/NDF : 425841.1/24

Right Out: 9712.849+/-1.481 χ^2/NDF : 85933.7/36

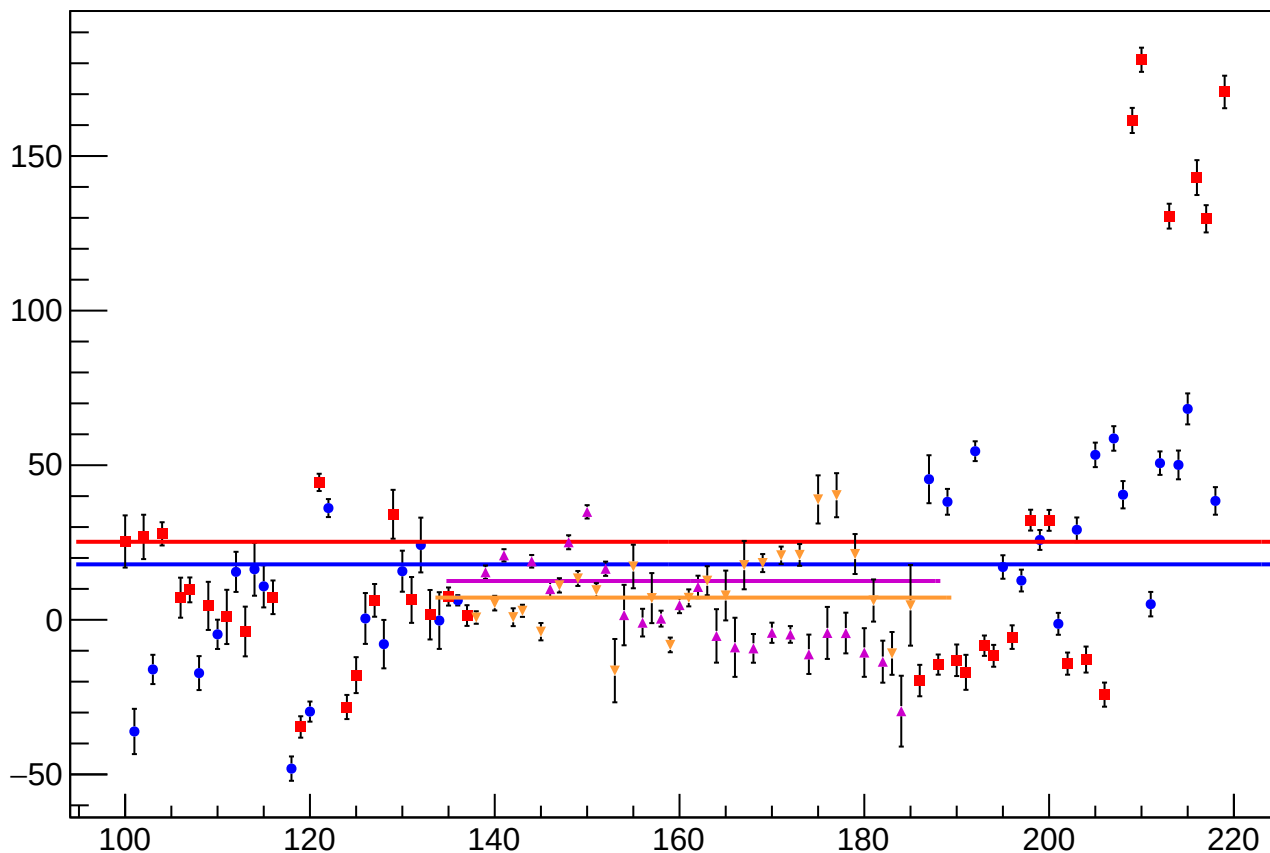
Left In: 10895.992+/-1.808 χ^2/NDF : 298059.2/22

+ sign 10203.523+/-1.153 χ^2/NDF : 759489.6/56

All: 10195.771+/-0.813 χ^2/NDF : 1399868.5/1

- sign 10188.115+/-1.146 χ^2/NDF : 640289.0/59

diff_bpm0l02Y_mean vs Slug



Right In: 17.937 ± 0.721 $\chi^2/\text{NDF}: 1452.8/31$

Left Out: 7.185 ± 0.654 $\chi^2/\text{NDF}: 201.7/24$

Right Out: 25.232 ± 0.708 $\chi^2/\text{NDF}: 6923.1/36$

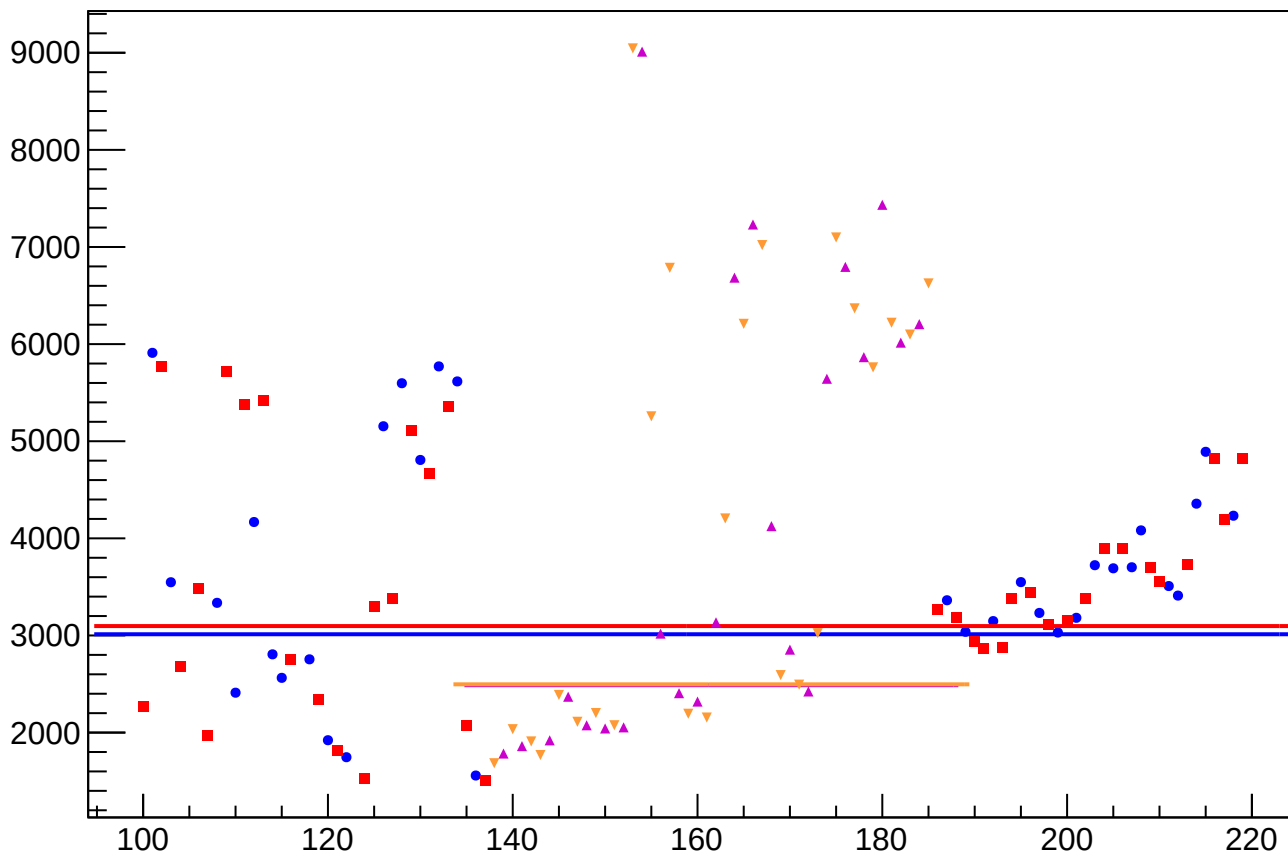
Left In: 12.553 ± 0.661 $\chi^2/\text{NDF}: 372.1/22$

+ sign 12.035 ± 0.484 $\chi^2/\text{NDF}: 1776.6/56$

All: 15.252 ± 0.342 $\chi^2/\text{NDF}: 9331.2/116$

- sign 18.452 ± 0.483 $\chi^2/\text{NDF}: 7466.6/59$

diff_bpm0l02Y_rms vs Slug



Right In: 3012.437+/-0.510 χ^2/NDF : 4451807.9/31

Left Out: 2496.801+/-0.462 χ^2/NDF : 7205827.8/24

Right Out: 3096.775+/-0.501 χ^2/NDF : 3809623.0/36

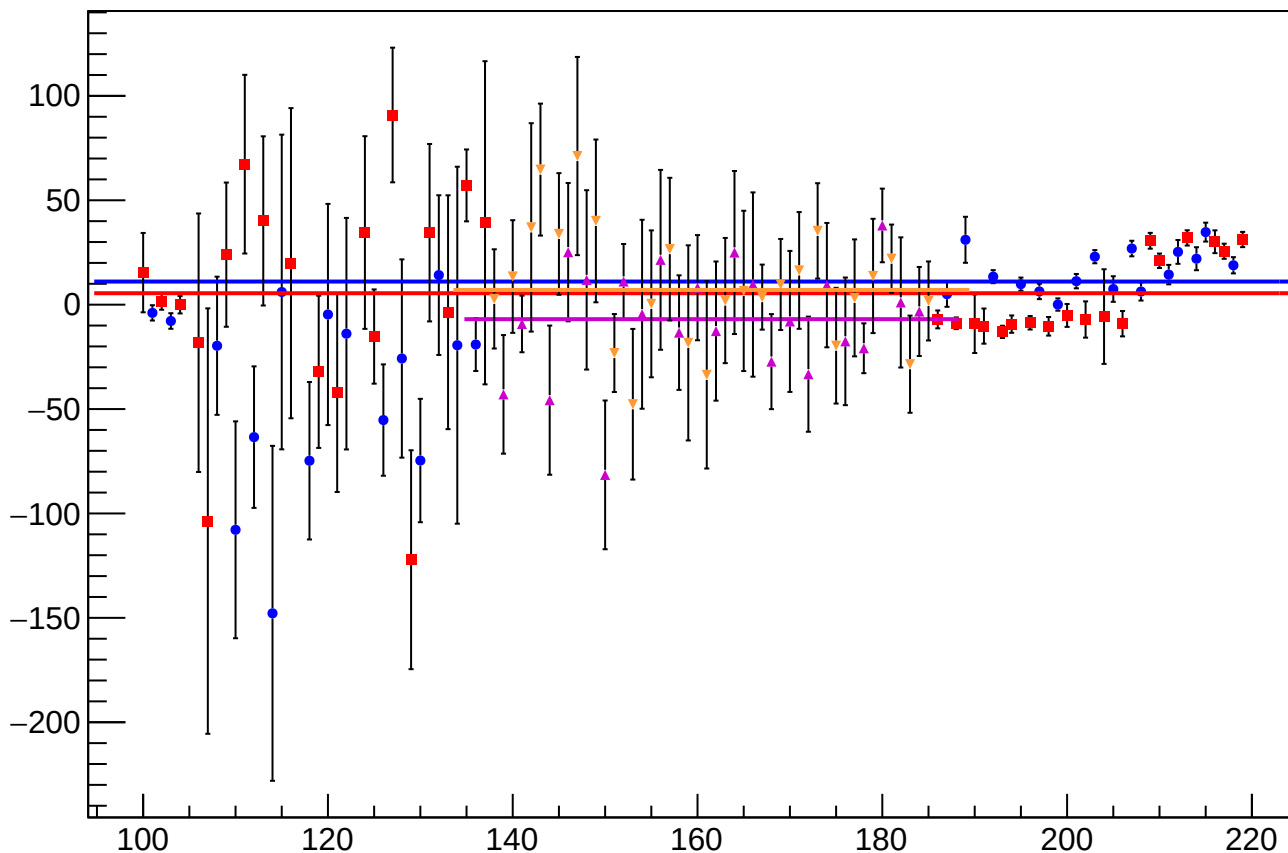
Left In: 2487.721+/-0.467 χ^2/NDF : 6103466.5/22

+ sign 2729.398+/-0.342 χ^2/NDF : 12219098.5/56

All: 2750.294+/-0.242 χ^2/NDF : 22930741.2/100

- sign 2771.084+/-0.342 χ^2/NDF : 10704213.7/59

diff_bpm0l03X_mean vs Slug



Right In: 11.077 ± 0.933 χ^2/NDF : 180.1/31

Left Out: 7.059 ± 5.227 χ^2/NDF : 19.6/24

Right Out: 5.483 ± 0.931 χ^2/NDF : 387.0/36

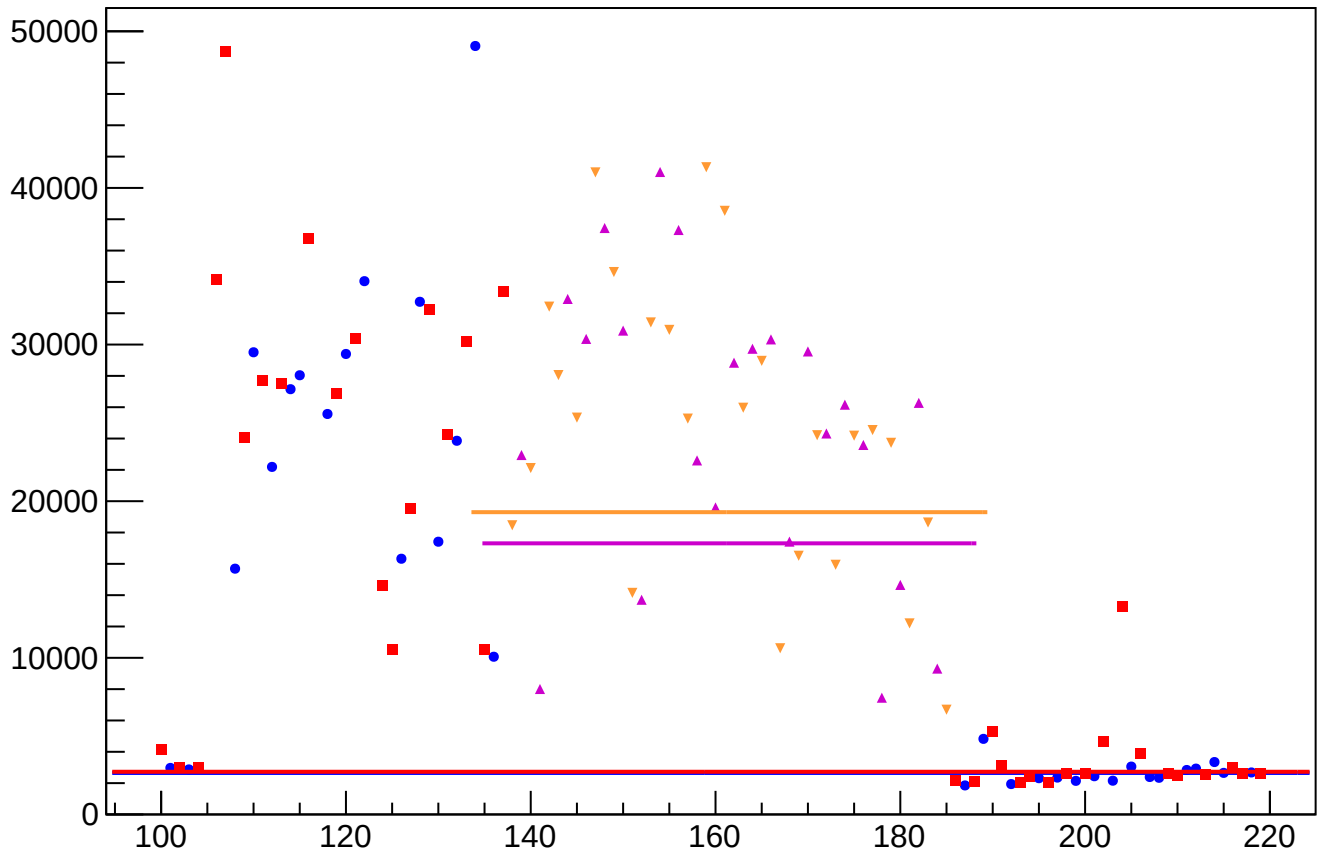
Left In: -6.944 ± 5.090 χ^2/NDF : 21.1/22

+ sign 10.953 ± 0.918 χ^2/NDF : 200.2/56

All: 8.008 ± 0.648 χ^2/NDF : 634.6/116

- sign 5.081 ± 0.916 χ^2/NDF : 413.8/59

diff_bpm0l03X_rms vs Slug



Right In: 2649.975+/-0.660 χ^2/NDF : 7988706.0/31

Left Out: 19299.351+/-3.696 χ^2/NDF : 5037014.9/24

Right Out: 2725.761+/-0.658 χ^2/NDF : 9434622.7/36

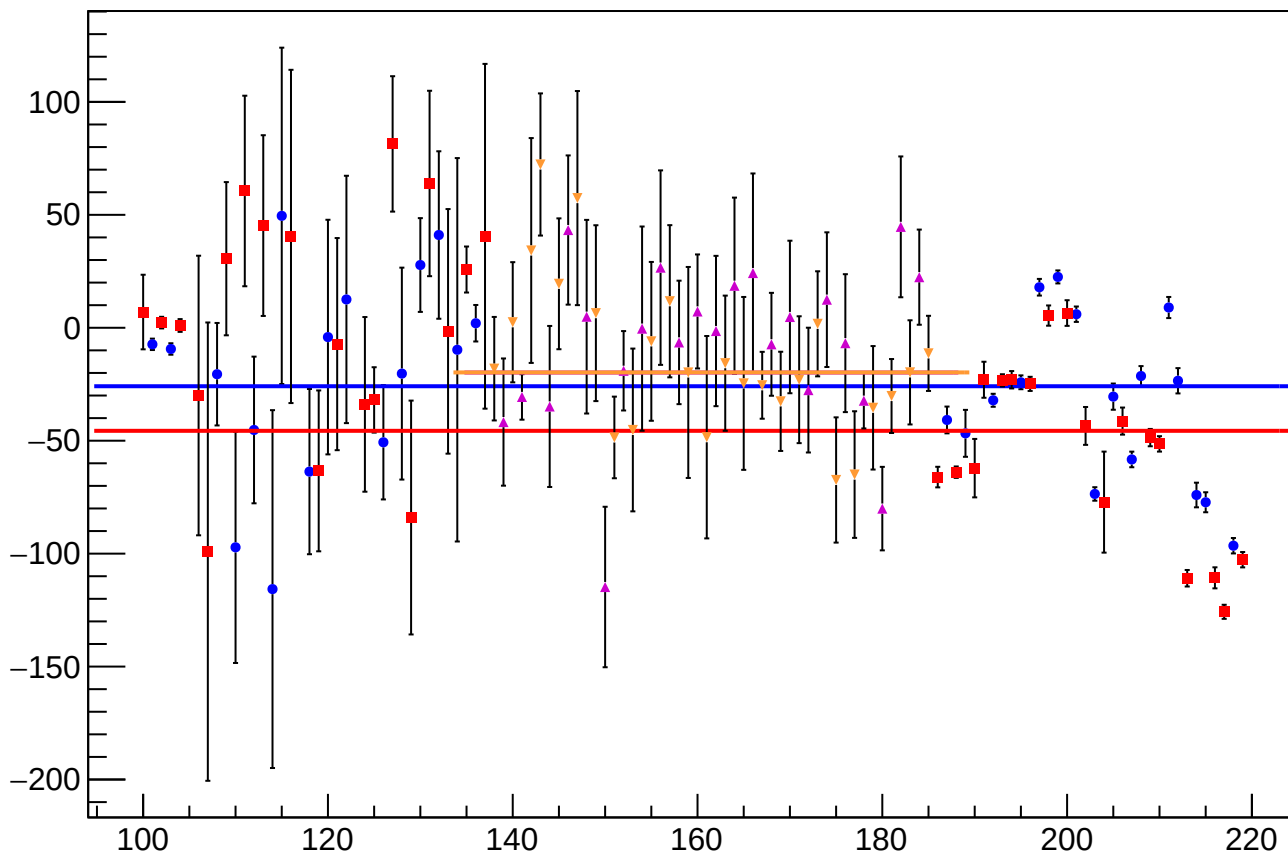
Left In: 17309.081+/-3.600 χ^2/NDF : 6719993.9/22

+ sign 3163.714+/-0.649 χ^2/NDF : 32687689.4/56

All: 3180.727+/-0.458 χ^2/NDF : 64726904.1/100

- sign 3197.644+/-0.647 χ^2/NDF : 32037845.6/59

diff_bpm0l03Y_mean vs Slug



Right In: -25.885 ± 0.843 $\chi^2/\text{NDF}: 1692.2/31$

Left Out: -19.769 ± 5.117 $\chi^2/\text{NDF}: 27.8/24$

Right Out: -45.624 ± 0.839 $\chi^2/\text{NDF}: 2631.6/36$

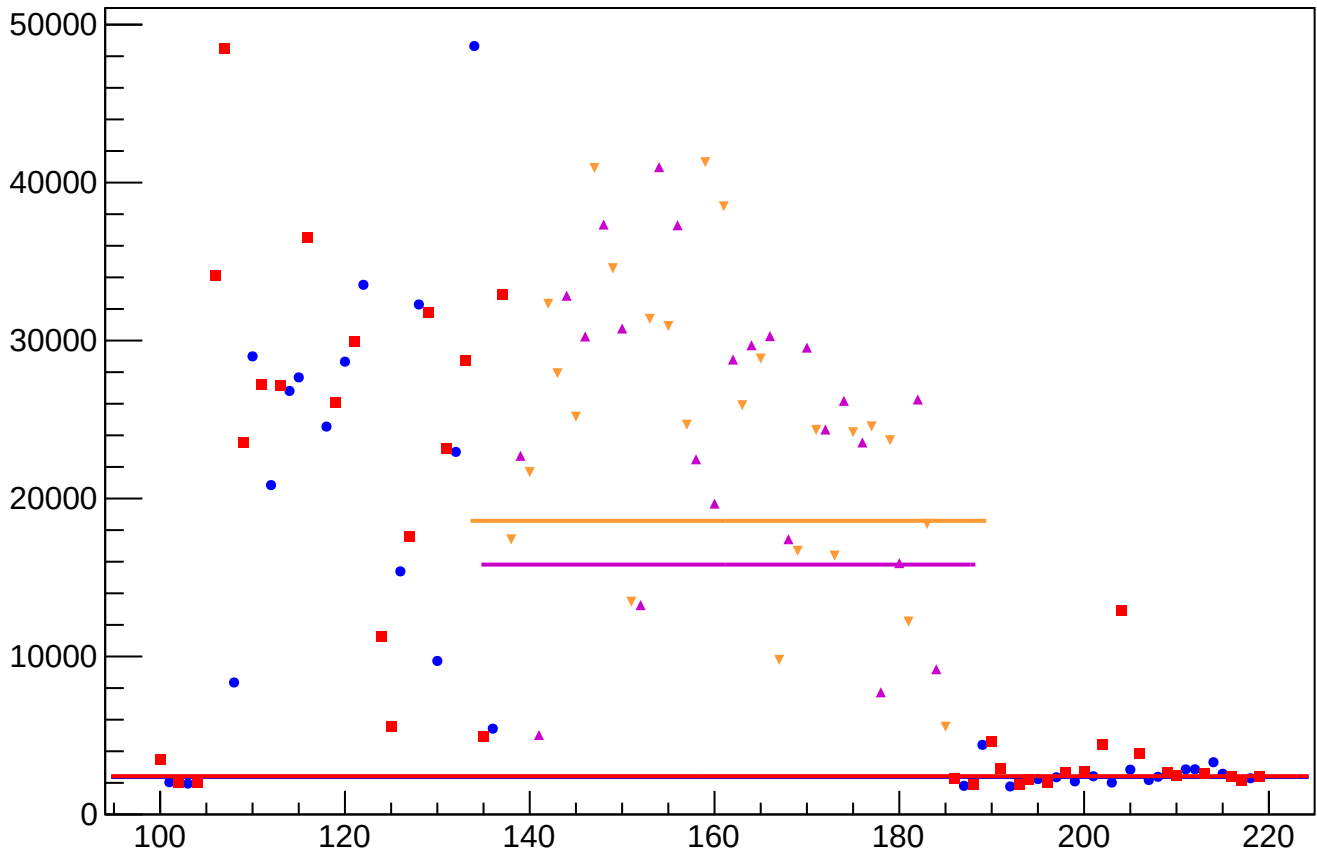
Left In: -19.822 ± 4.846 $\chi^2/\text{NDF}: 40.3/22$

+ sign -25.723 ± 0.831 $\chi^2/\text{NDF}: 1721.3/56$

All: -35.358 ± 0.586 $\chi^2/\text{NDF}: 4687.6/116$

- sign -44.874 ± 0.826 $\chi^2/\text{NDF}: 2699.4/59$

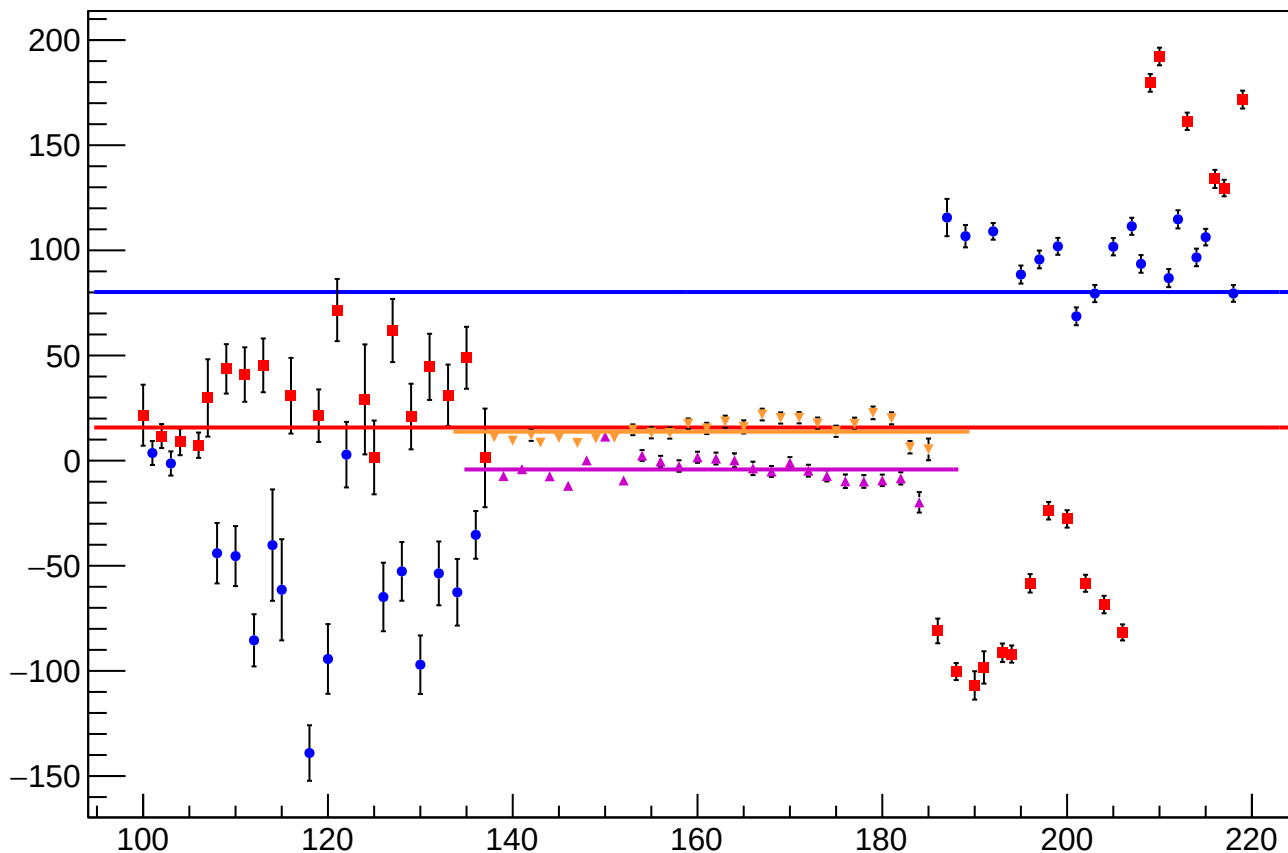
diff_bpm0l03Y_rms vs Slug



Right In: 2373.930 ± 0.596 $\chi^2/\text{NDF}: 7176036.5/31$
 Left Out: 18589.195 ± 3.618 $\chi^2/\text{NDF}: 5698567.3/24$
 Right Out: 2421.608 ± 0.593 $\chi^2/\text{NDF}: 9032913.3/36$
 Left In: 15817.655 ± 3.426 $\chi^2/\text{NDF}: 8406830.8/22$

+ sign 2802.095 ± 0.588 $\chi^2/\text{NDF}: 32430295.4/56$
 All: 2806.645 ± 0.414 $\chi^2/\text{NDF}: 64711609.1/100$
 - sign 2811.140 ± 0.584 $\chi^2/\text{NDF}: 32281194.6/59$

diff_bpm0l04X_mean vs Slug



Right In: 80.181 ± 1.004 χ^2/NDF : 2141.1/31

Left Out: 13.761 ± 0.514 χ^2/NDF : 77.2/24

Right Out: 15.754 ± 0.956 χ^2/NDF : 12346.5/36

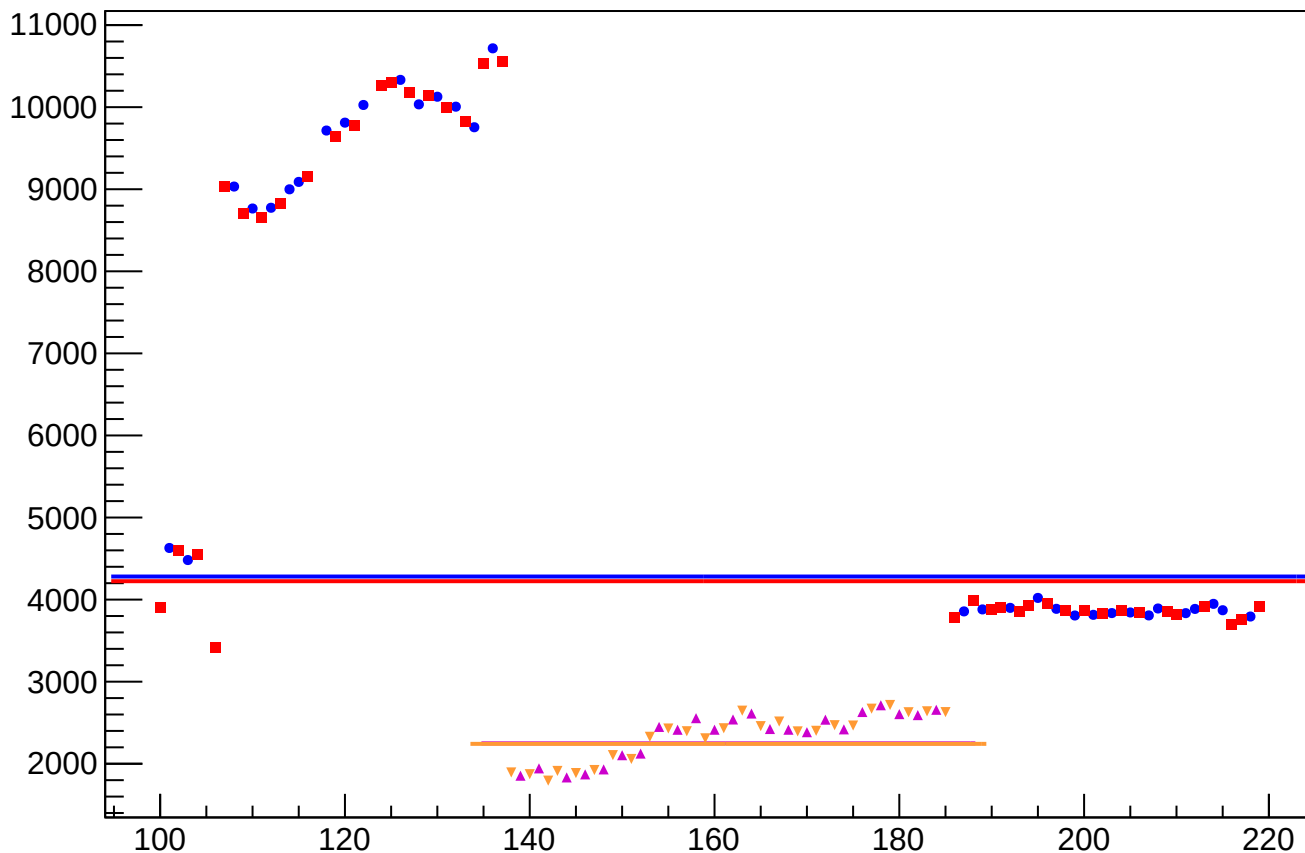
Left In: -4.202 ± 0.530 χ^2/NDF : 123.9/22

+ sign 27.546 ± 0.458 χ^2/NDF : 5683.9/56

All: 14.195 ± 0.326 χ^2/NDF : 20212.9/116

- sign 0.493 ± 0.464 χ^2/NDF : 12803.9/59

diff_bpm0l04X_rms vs Slug



Right In: 4281.123+/-0.710 χ^2/NDF : 4102220.1/31

Left Out: 2242.334+/-0.363 χ^2/NDF : 657865.5/24

Right Out: 4224.234+/-0.676 χ^2/NDF : 4060997.0/36

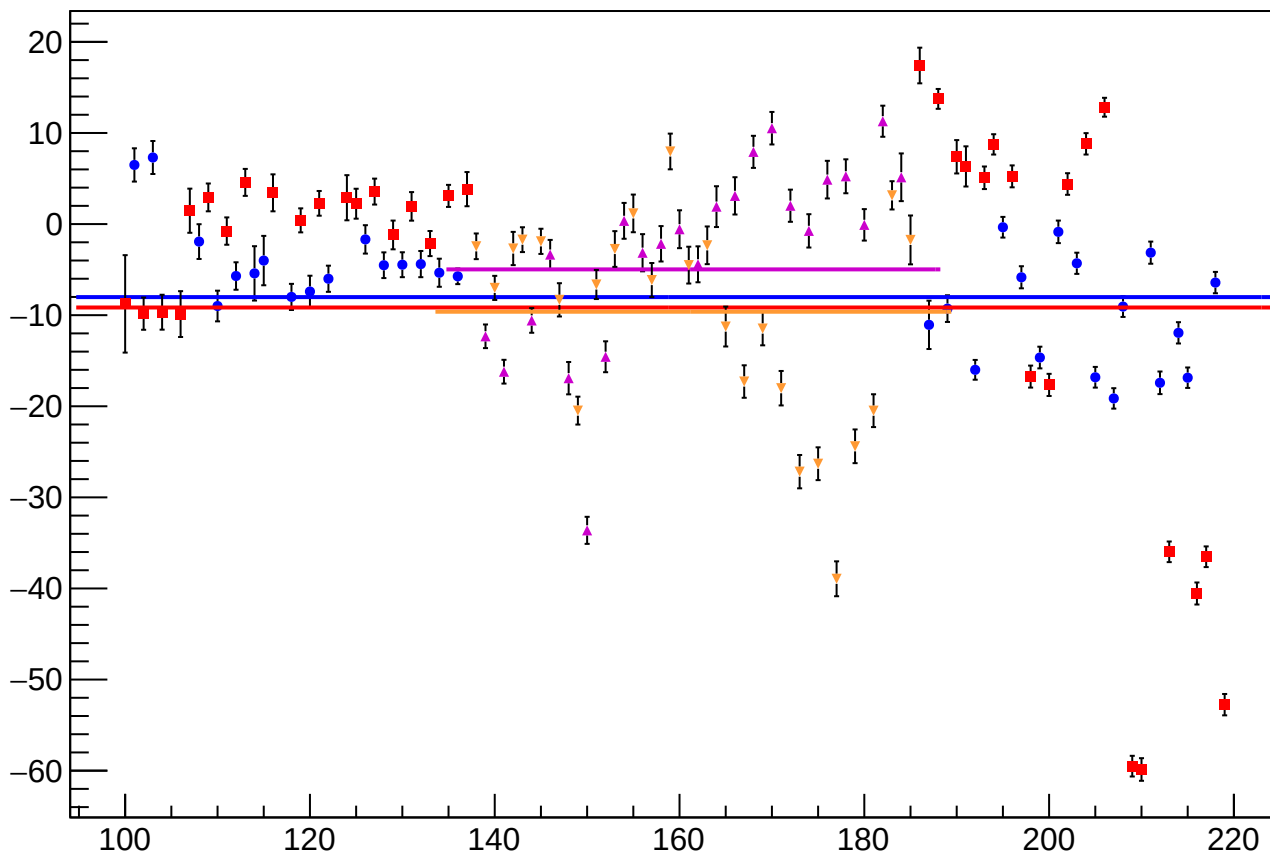
Left In: 2248.582+/-0.375 χ^2/NDF : 642255.3/22

+ sign 2665.465+/-0.324 χ^2/NDF : 11290525.1/56

All: 2689.154+/-0.230 χ^2/NDF : 22542306.0/100

- sign 2713.464+/-0.328 χ^2/NDF : 11240919.3/59

diff_bpm0l04Y_mean vs Slug



Right In: -8.016 ± 0.237 χ^2/NDF : 686.1/31

Left Out: -9.622 ± 0.349 χ^2/NDF : 934.3/24

Right Out: -9.157 ± 0.230 χ^2/NDF : 9789.5/36

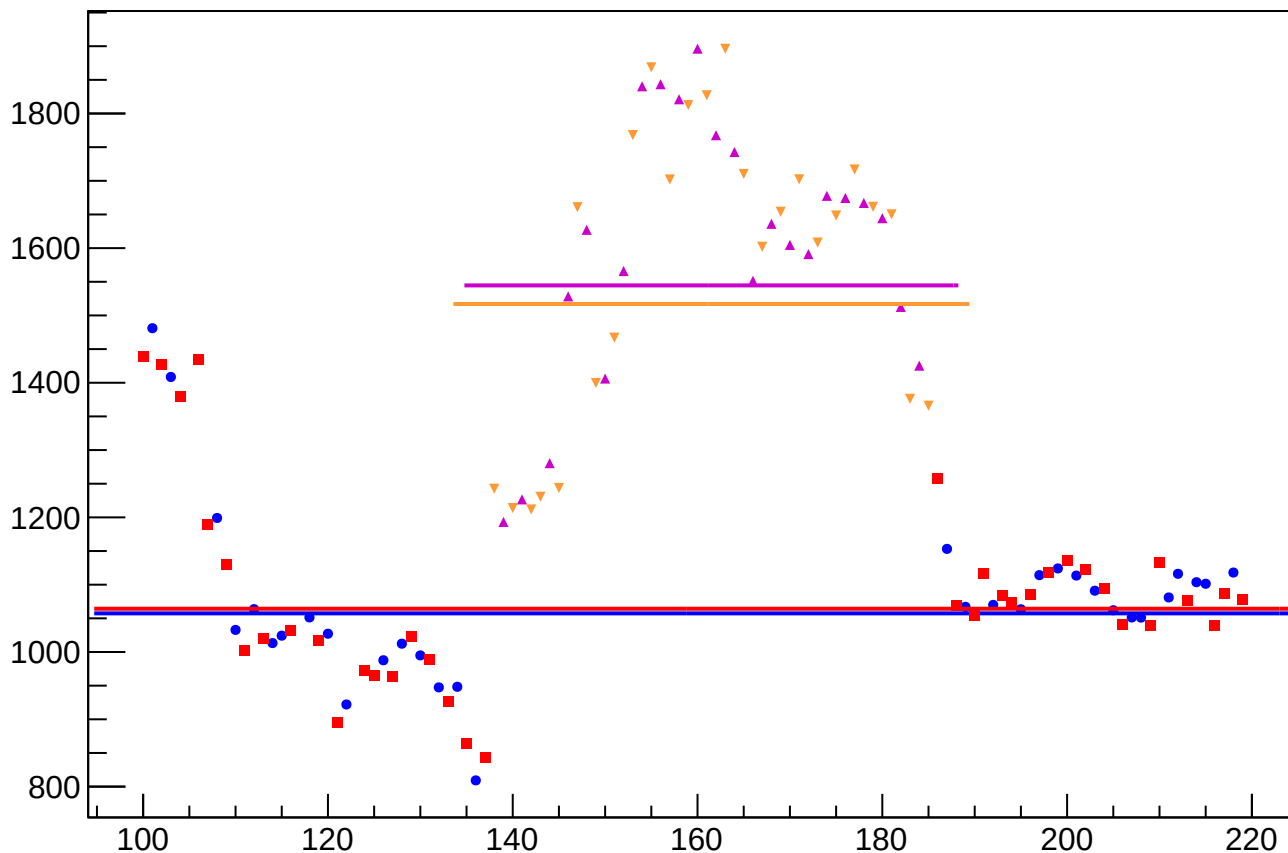
Left In: -4.974 ± 0.365 χ^2/NDF : 929.8/22

+ sign -8.522 ± 0.196 χ^2/NDF : 1634.9/56

All: -8.241 ± 0.138 χ^2/NDF : 12452.4/116

- sign -7.964 ± 0.195 χ^2/NDF : 10813.3/59

diff_bpm0l04Y_rms vs Slug



Right In: 1057.390+/-0.167 χ^2/NDF : 448957.6/31

Left Out: 1517.008+/-0.247 χ^2/NDF : 832983.9/24

Right Out: 1064.280+/-0.163 χ^2/NDF : 416255.2/36

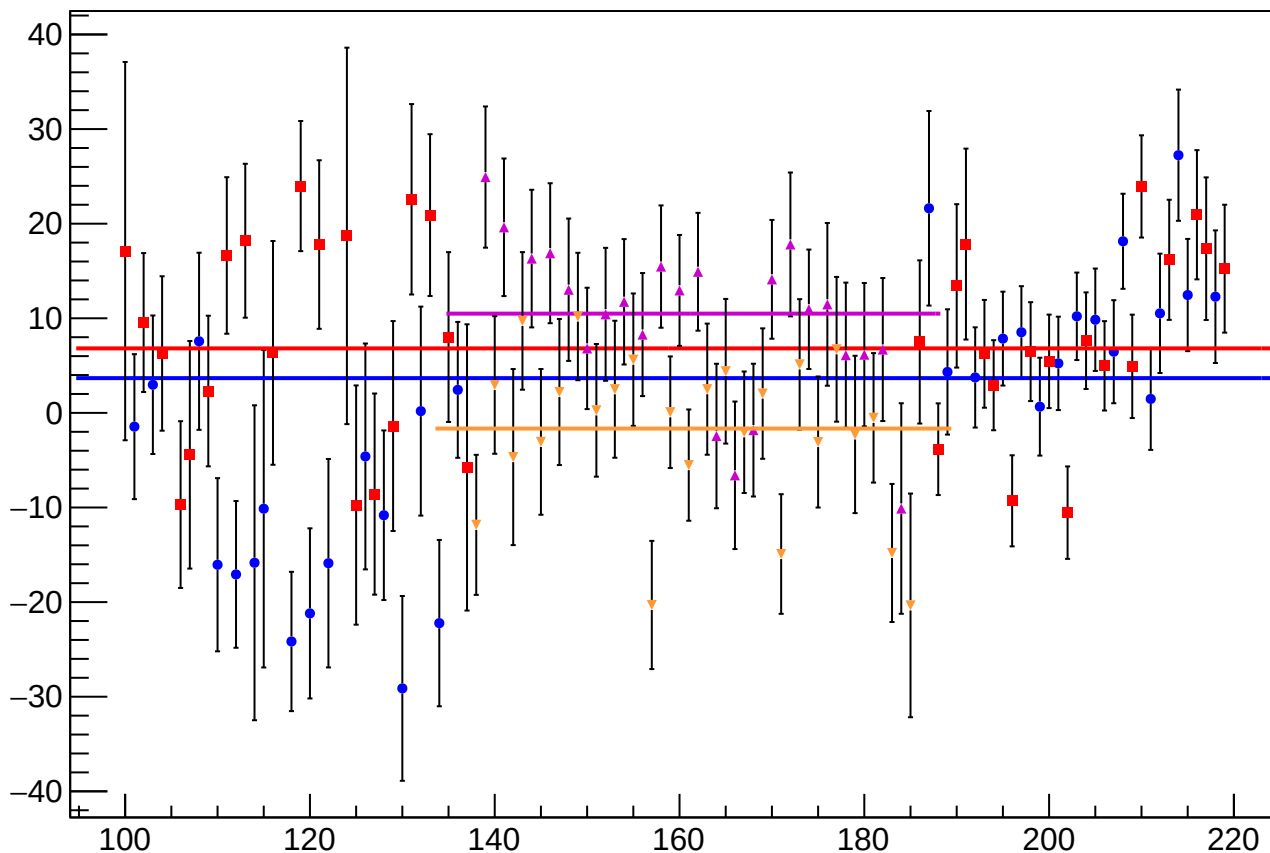
Left In: 1544.620+/-0.258 χ^2/NDF : 638659.4/22

+ sign 1202.031+/-0.138 χ^2/NDF : 3657677.0/56

All: 1201.663+/-0.098 χ^2/NDF : 7193517.6/11

- sign 1201.300+/-0.138 χ^2/NDF : 3535826.6/59

diff_bpm0l05X_mean vs Slug



Right In: 3.674 ± 1.191 $\chi^2/\text{NDF}: 96.4/31$

Left Out: -1.655 ± 1.426 $\chi^2/\text{NDF}: 31.5/24$

Right Out: 6.817 ± 1.146 $\chi^2/\text{NDF}: 78.3/36$

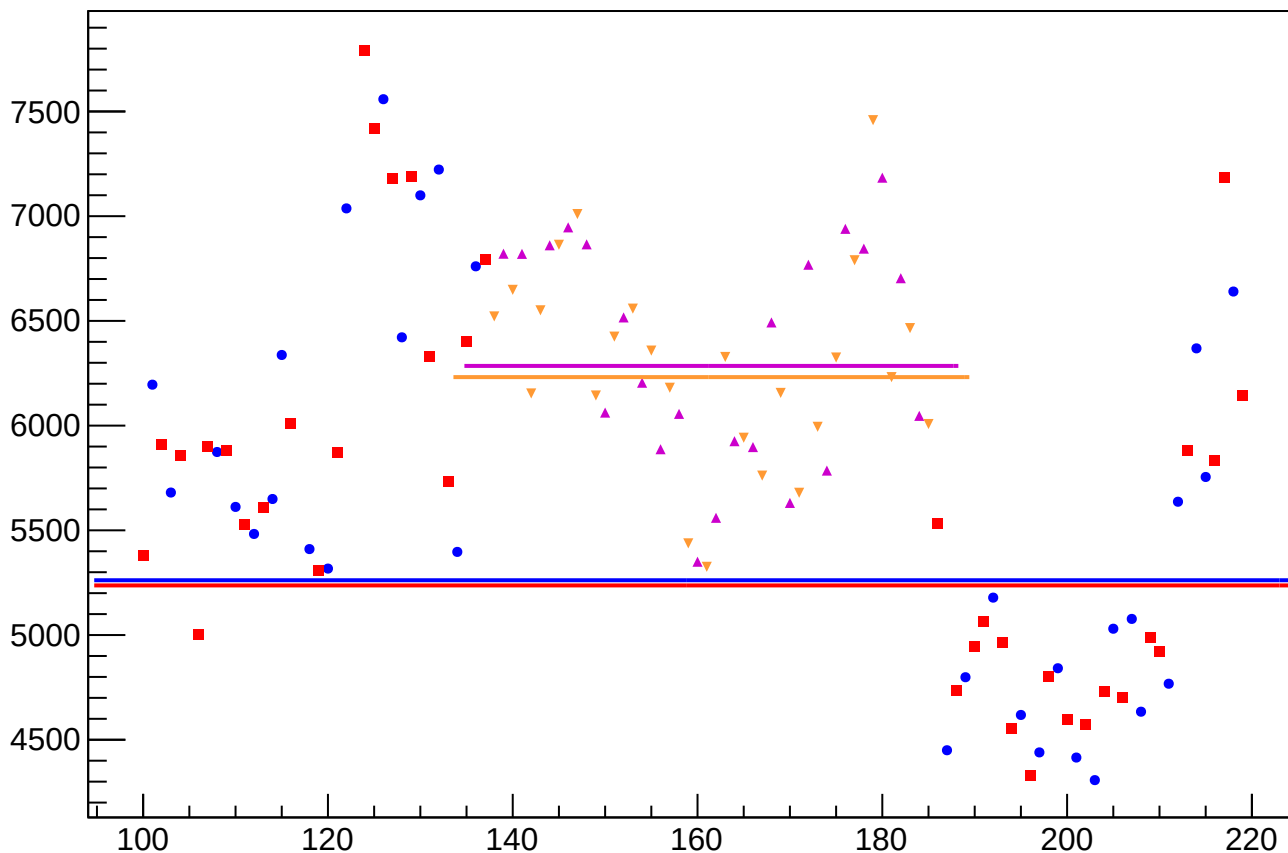
Left In: 10.492 ± 1.480 $\chi^2/\text{NDF}: 24.9/22$

+ sign 1.485 ± 0.914 $\chi^2/\text{NDF}: 136.1/56$

All: 4.870 ± 0.643 $\chi^2/\text{NDF}: 270.4/116$

- sign 8.195 ± 0.906 $\chi^2/\text{NDF}: 107.1/59$

diff_bpm0l05X_rms vs Slug



Right In: 5261.625 $\pm$ 0.842 χ^2 /NDF: 914359.0/31

Left Out: 6231.572 $\pm$ 1.009 χ^2 /NDF: 226959.2/24

Right Out: 5236.915 $\pm$ 0.810 χ^2 /NDF: 871336.8/36

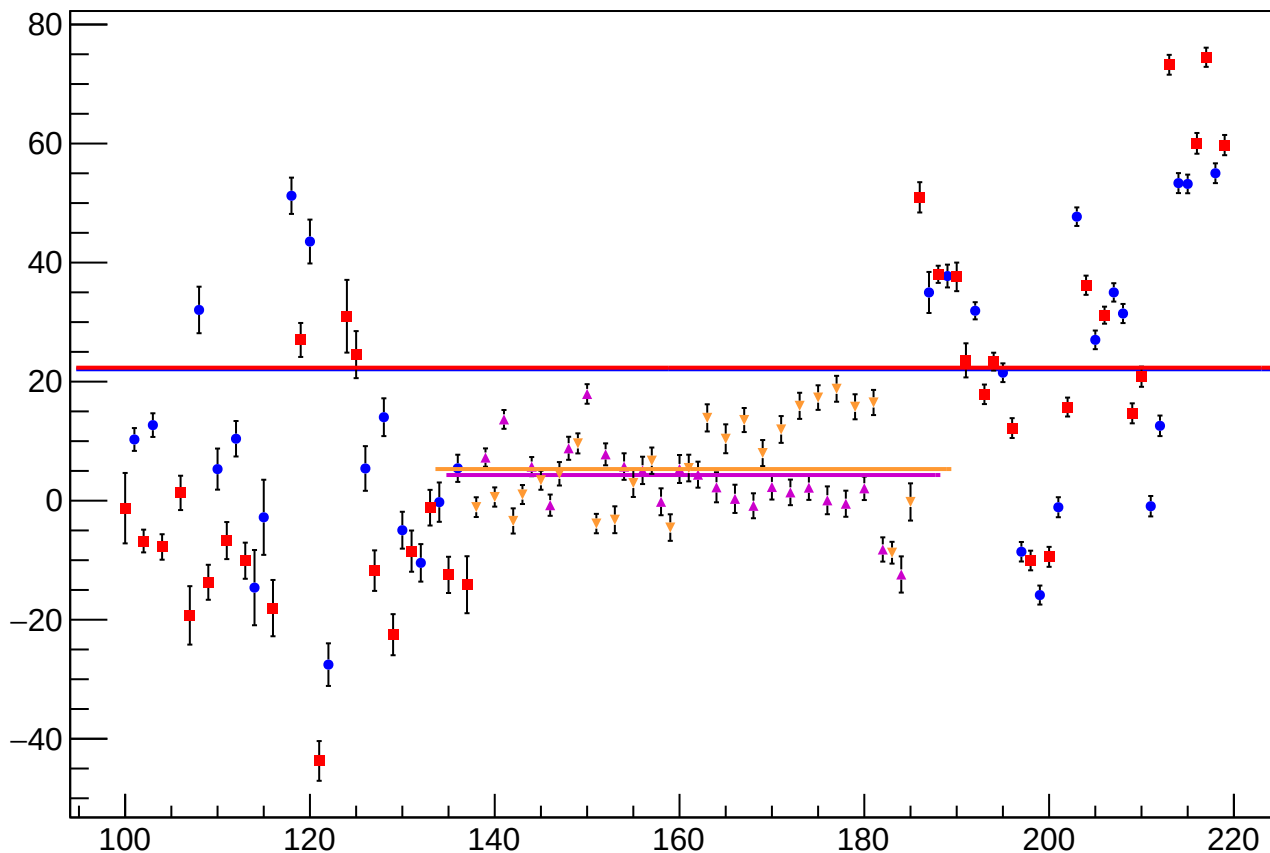
Left In: 6285.058 $\pm$ 1.046 χ^2 /NDF: 265370.2/22

+ sign 5660.138 $\pm$ 0.646 χ^2 /NDF: 1686231.4/56

All: 5644.812 $\pm$ 0.455 χ^2 /NDF: 3451424.3/11

- sign 5629.763 $\pm$ 0.641 χ^2 /NDF: 1764079.0/59

diff_bpm0l05Y_mean vs Slug



Right In: 22.077 ± 0.364 $\chi^2/\text{NDF}: 3740.8/31$

Left Out: 5.313 ± 0.400 $\chi^2/\text{NDF}: 378.1/24$

Right Out: 22.344 ± 0.351 $\chi^2/\text{NDF}: 6149.6/36$

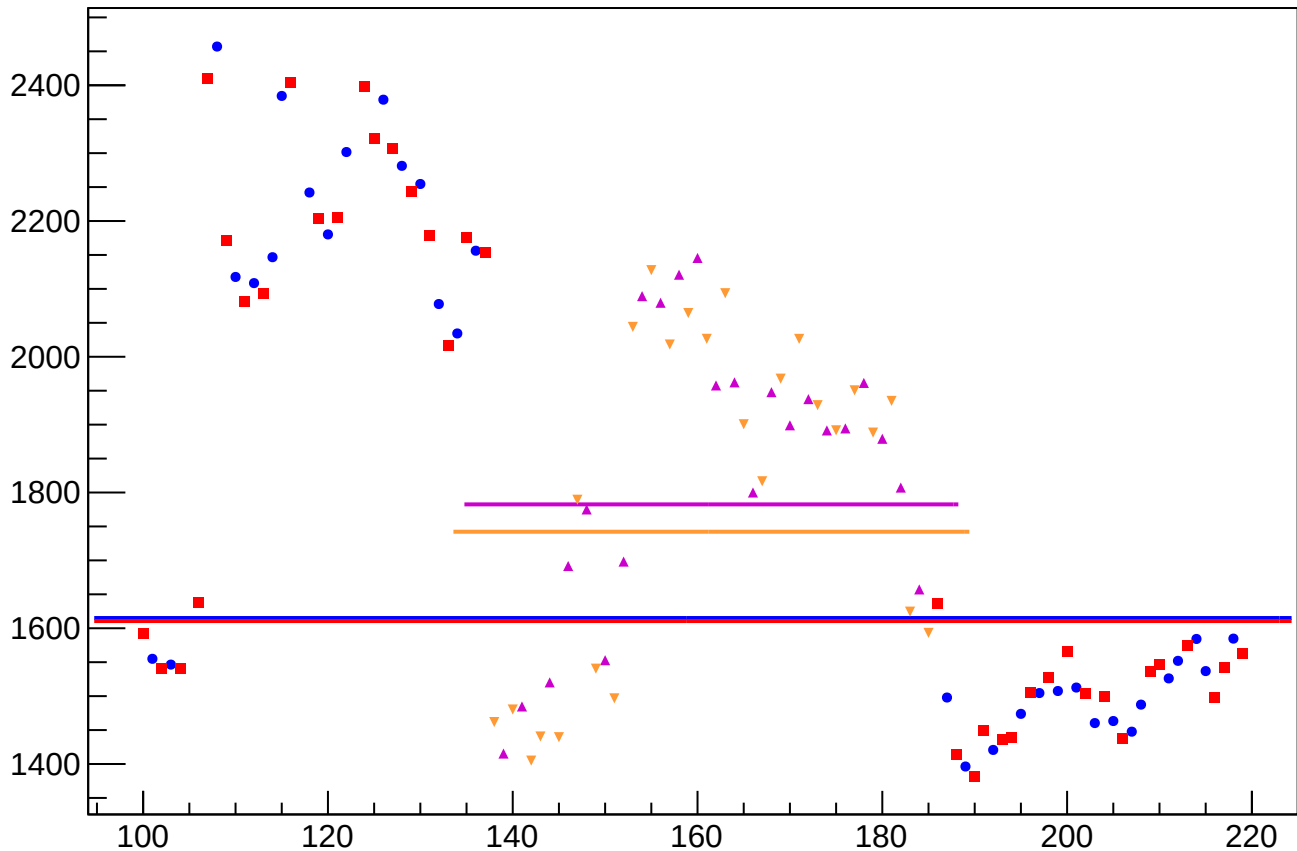
Left In: 4.310 ± 0.420 $\chi^2/\text{NDF}: 220.4/22$

+ sign 14.486 ± 0.269 $\chi^2/\text{NDF}: 5078.4/56$

All: 14.703 ± 0.191 $\chi^2/\text{NDF}: 12533.9/116$

- sign 14.920 ± 0.270 $\chi^2/\text{NDF}: 7454.3/59$

diff_bpm0l05Y_rms vs Slug



Right In: 1615.070+/-0.258 χ^2/NDF : 1082432.9/31

Left Out: 1742.217+/-0.283 χ^2/NDF : 767663.9/24

Right Out: 1610.644+/-0.248 χ^2/NDF : 1061656.5/36

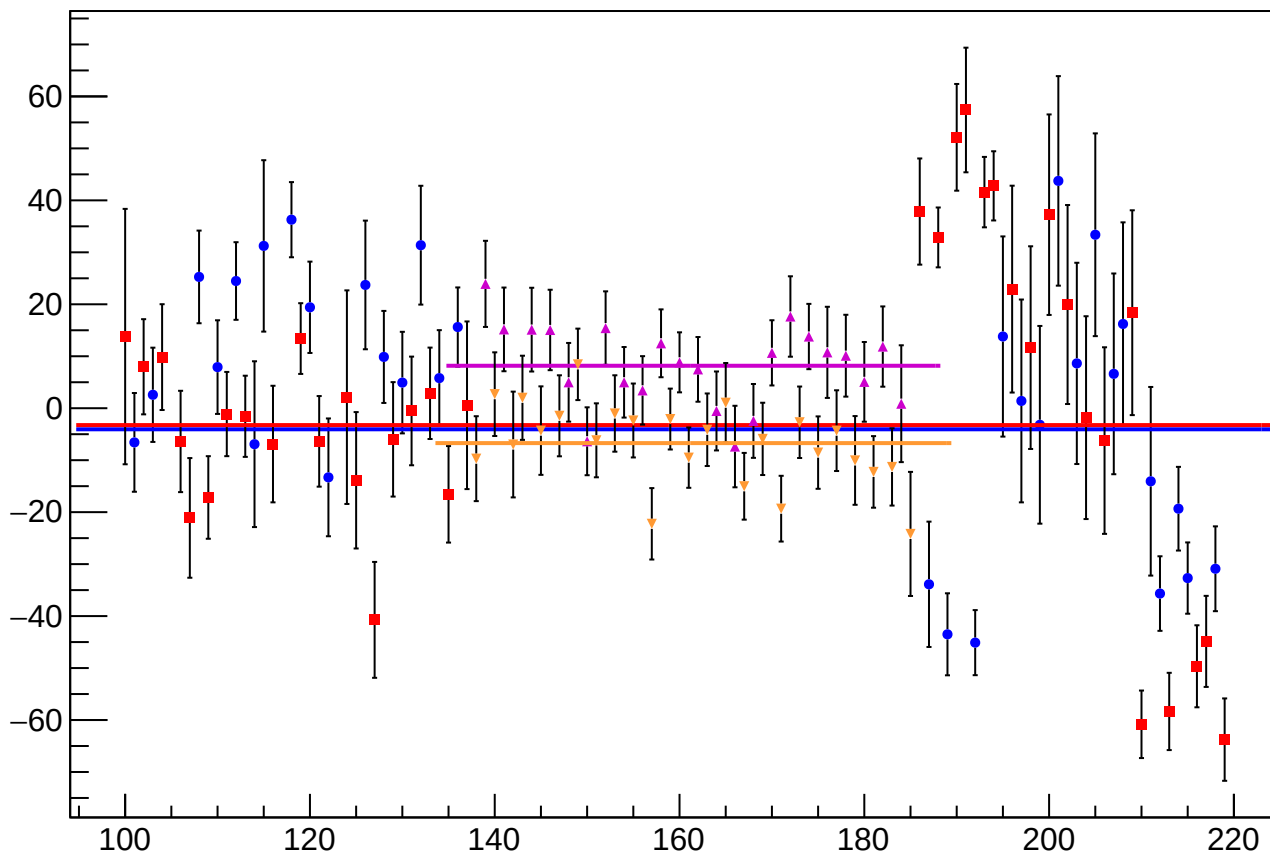
Left In: 1782.502+/-0.297 χ^2/NDF : 534374.9/22

+ sign 1672.639+/-0.190 χ^2/NDF : 1960486.2/56

All: 1677.014+/-0.135 χ^2/NDF : 3754508.2/11

- sign 1681.392+/-0.191 χ^2/NDF : 1792966.8/59

diff_bpm0l06X_mean vs Slug



Right In: -4.055+/-1.758 χ^2 /NDF: 234.8/31

Left Out: -6.713+/-1.458 χ^2 /NDF:25.7/24

Right Out: -3.247+/-1.582 χ^2 /NDF: 490.4/36

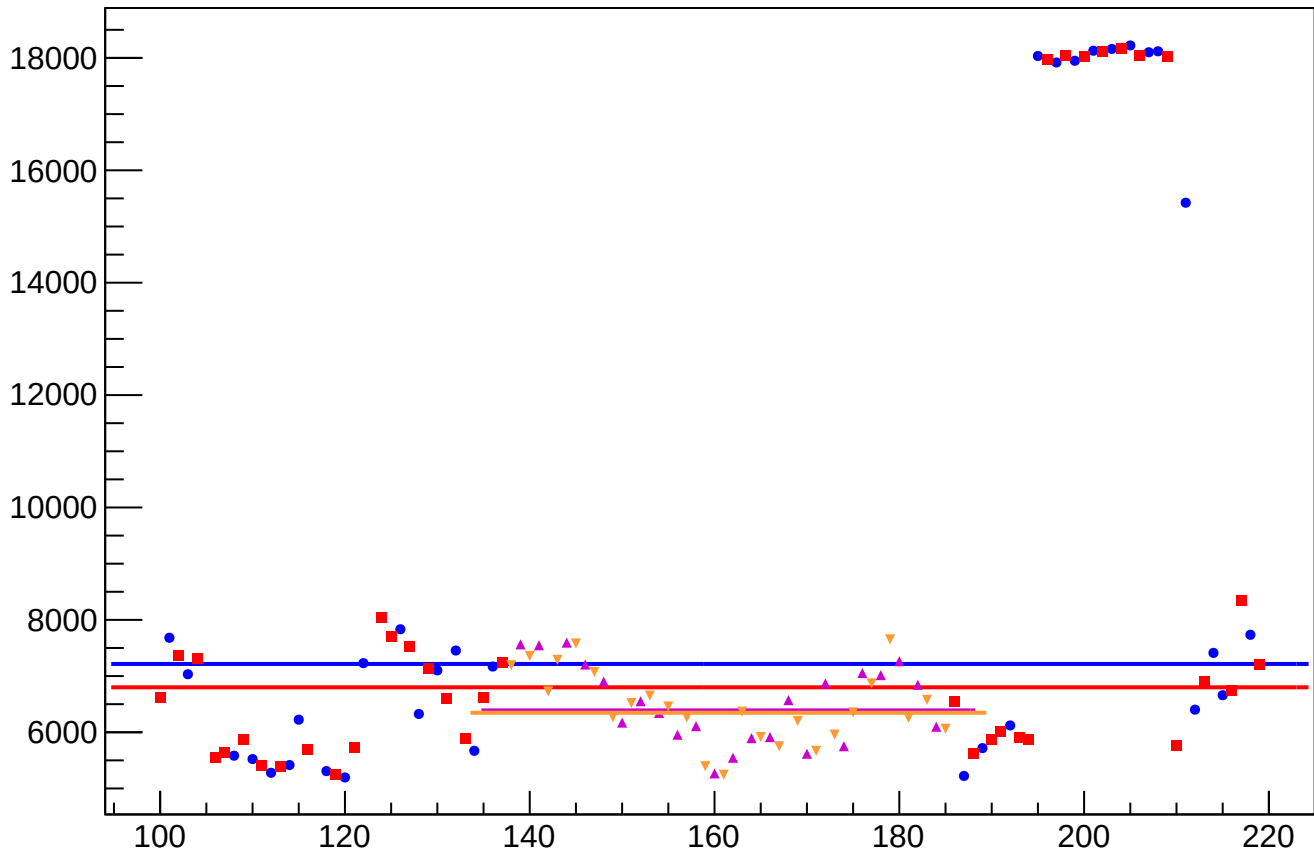
Left In: 8.171+/-1.510 χ^2 /NDF:24.2/22

+ sign -5.630+/-1.122 χ^2 /NDF: 261.8/56

All: -1.339+/-0.783 χ^2 /NDF: 832.2/116

- sign 2.728+/-1.092 χ^2 /NDF: 541.9/59

diff_bpm0l06X_rms vs Slug



Right In: 7215.658+/-1.243 χ^2/NDF : 6270157.9/31

Left Out: 6347.287+/-1.031 χ^2/NDF : 386025.6/24

Right Out: 6799.888+/-1.119 χ^2/NDF : 5506170.4/36

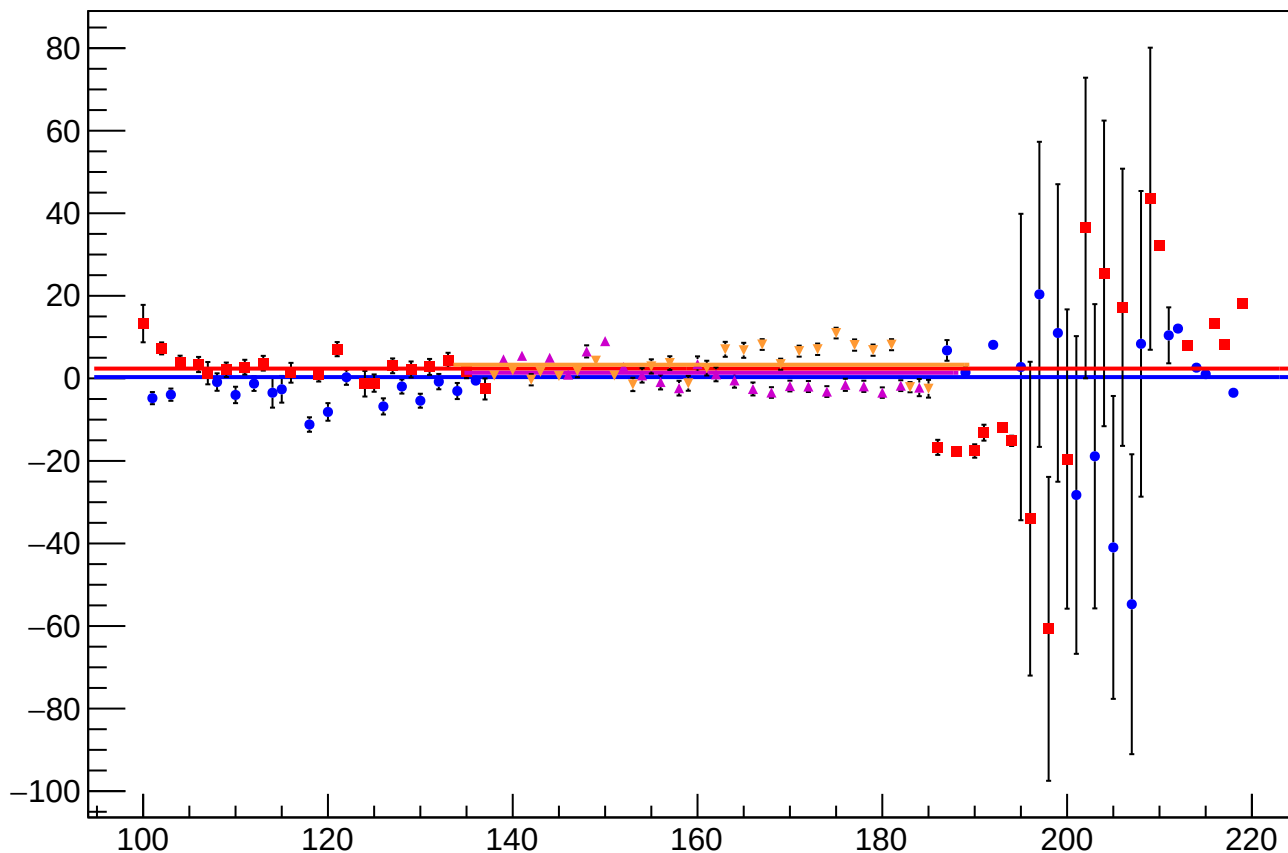
Left In: 6389.425+/-1.068 χ^2/NDF : 419756.4/22

+ sign 6701.147+/-0.793 χ^2/NDF : 6945381.8/56

All: 6641.564+/-0.553 χ^2/NDF : 12952747.6/1

- sign 6585.107+/-0.772 χ^2/NDF : 5996383.3/59

diff_bpm0l06Y_mean vs Slug



Right In: 0.308 ± 0.309 χ^2/NDF : 323.7/31

Left Out: 3.311 ± 0.264 χ^2/NDF : 177.9/24

Right Out: 2.370 ± 0.277 χ^2/NDF : 2115.9/36

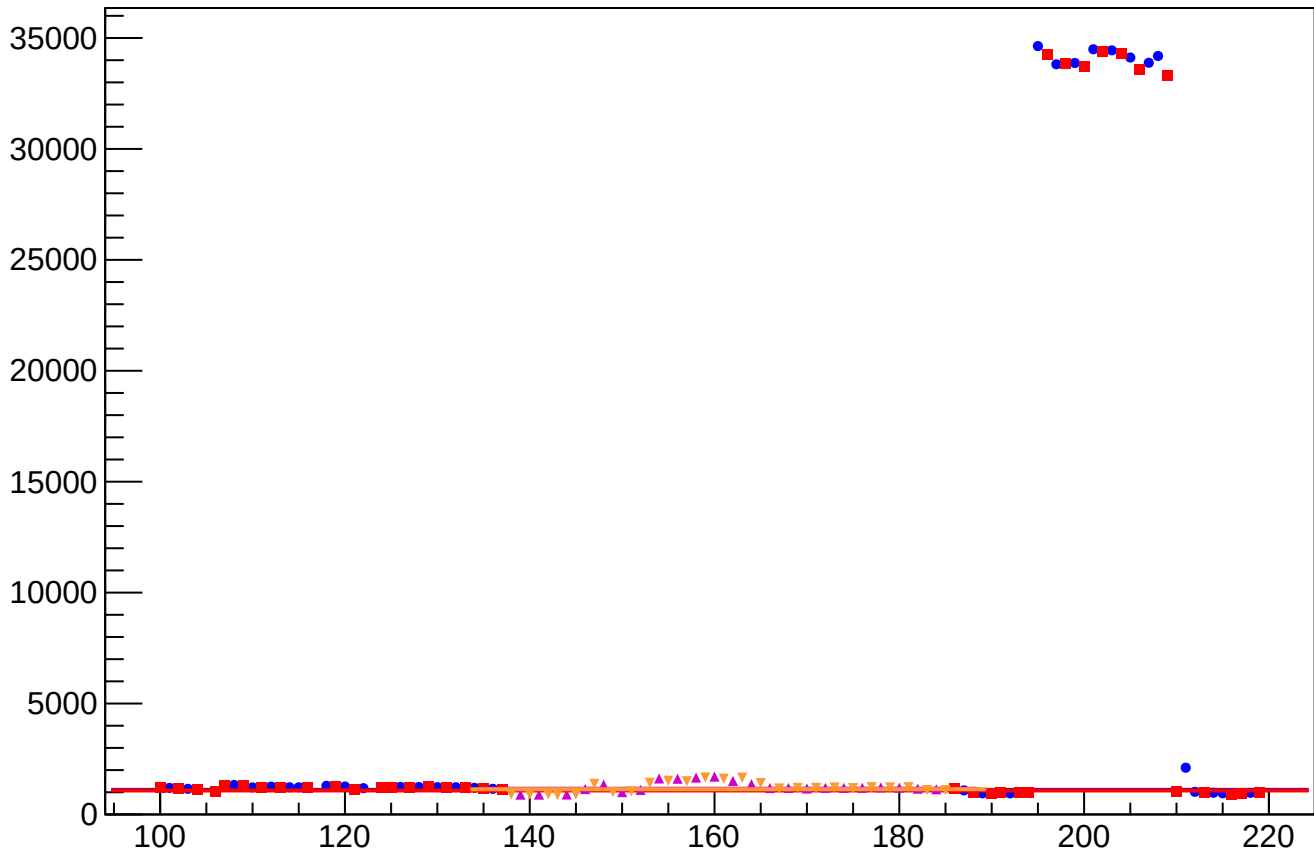
Left In: 1.355 ± 0.277 χ^2/NDF : 196.3/22

+ sign 2.042 ± 0.201 χ^2/NDF : 556.1/56

All: 1.950 ± 0.140 χ^2/NDF : 2875.4/116

- sign 1.862 ± 0.196 χ^2/NDF : 2318.9/59

diff_bpm0l06Y_rms vs Slug



Right In: 1108.220+/-0.219 χ^2/NDF : 13228982.2/31

Left Out: 1137.150+/-0.187 χ^2/NDF : 1469686.1/24

Right Out: 1081.277+/-0.196 χ^2/NDF : 11834941.6/36

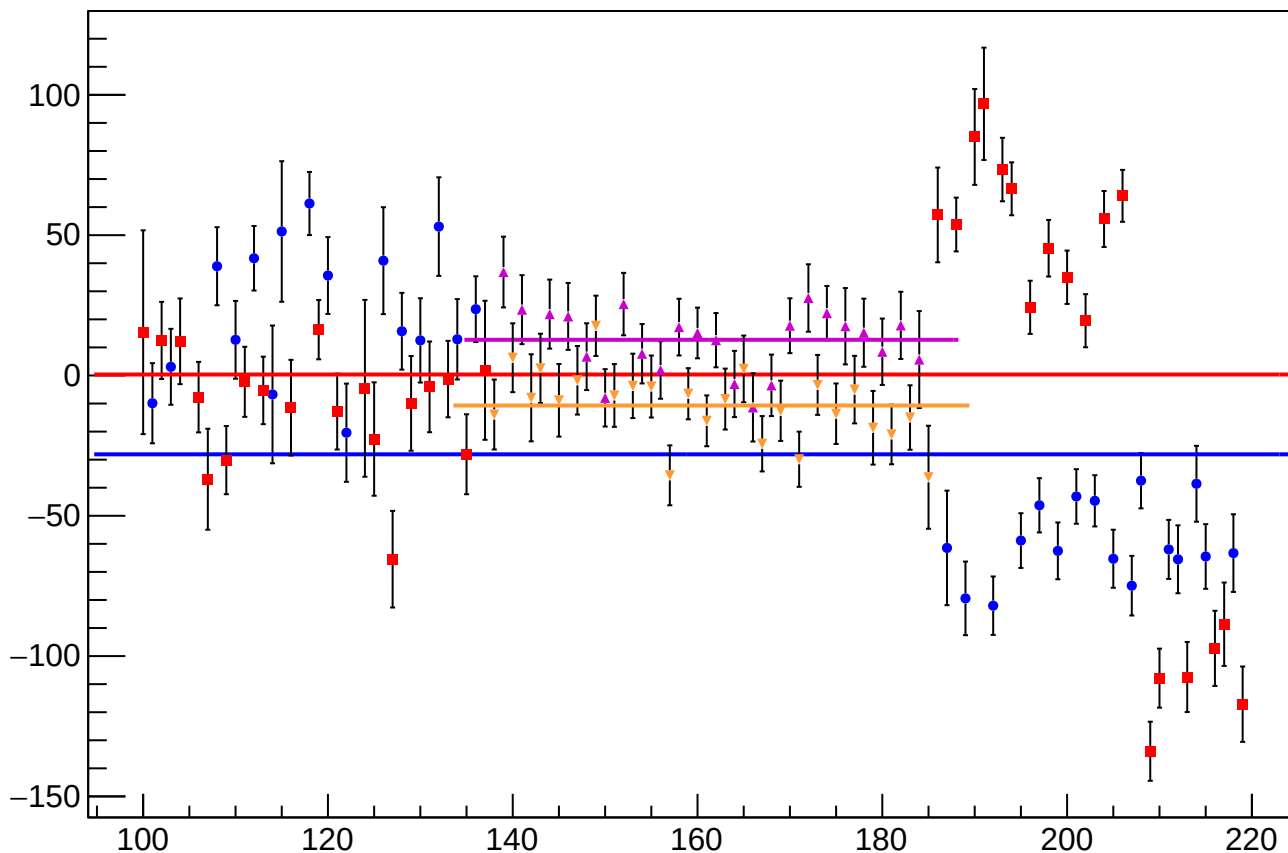
Left In: 1159.432+/-0.196 χ^2/NDF : 1259793.6/22

+ sign 1124.929+/-0.142 χ^2/NDF : 14708780.1/56

All: 1122.617+/-0.099 χ^2/NDF : 27883693.0/100

- sign 1120.422+/-0.138 χ^2/NDF : 13174396.7/59

diff_bpm0l07X_mean vs Slug



Right In: -28.095 ± 2.185 χ^2/NDF : 397.0/31

Left Out: -10.696 ± 2.257 χ^2/NDF : 28.7/24

Right Out: 0.350 ± 2.093 χ^2/NDF : 848.5/36

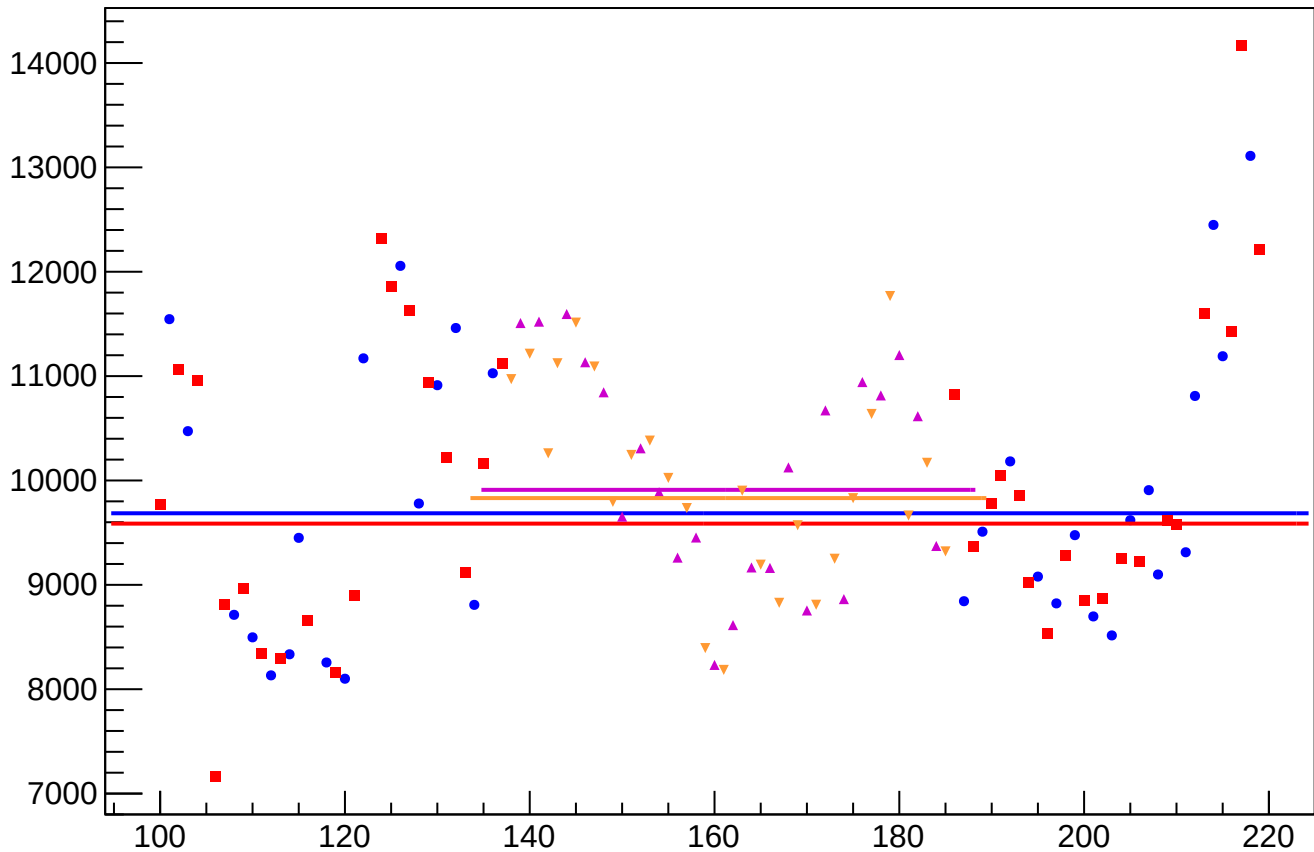
Left In: 12.719 ± 2.341 χ^2/NDF : 24.0/22

+ sign -19.681 ± 1.570 χ^2/NDF : 456.4/56

All: -6.840 ± 1.107 χ^2/NDF : 1477.5/116

- sign 5.845 ± 1.560 χ^2/NDF : 888.1/59

diff_bpm0l07X_rms vs Slug



Right In: 9685.785+/-1.545 χ^2/NDF : 634361.0/31

Left Out: 9831.301+/-1.596 χ^2/NDF : 356125.1/24

Right Out: 9586.649+/-1.480 χ^2/NDF : 744140.5/36

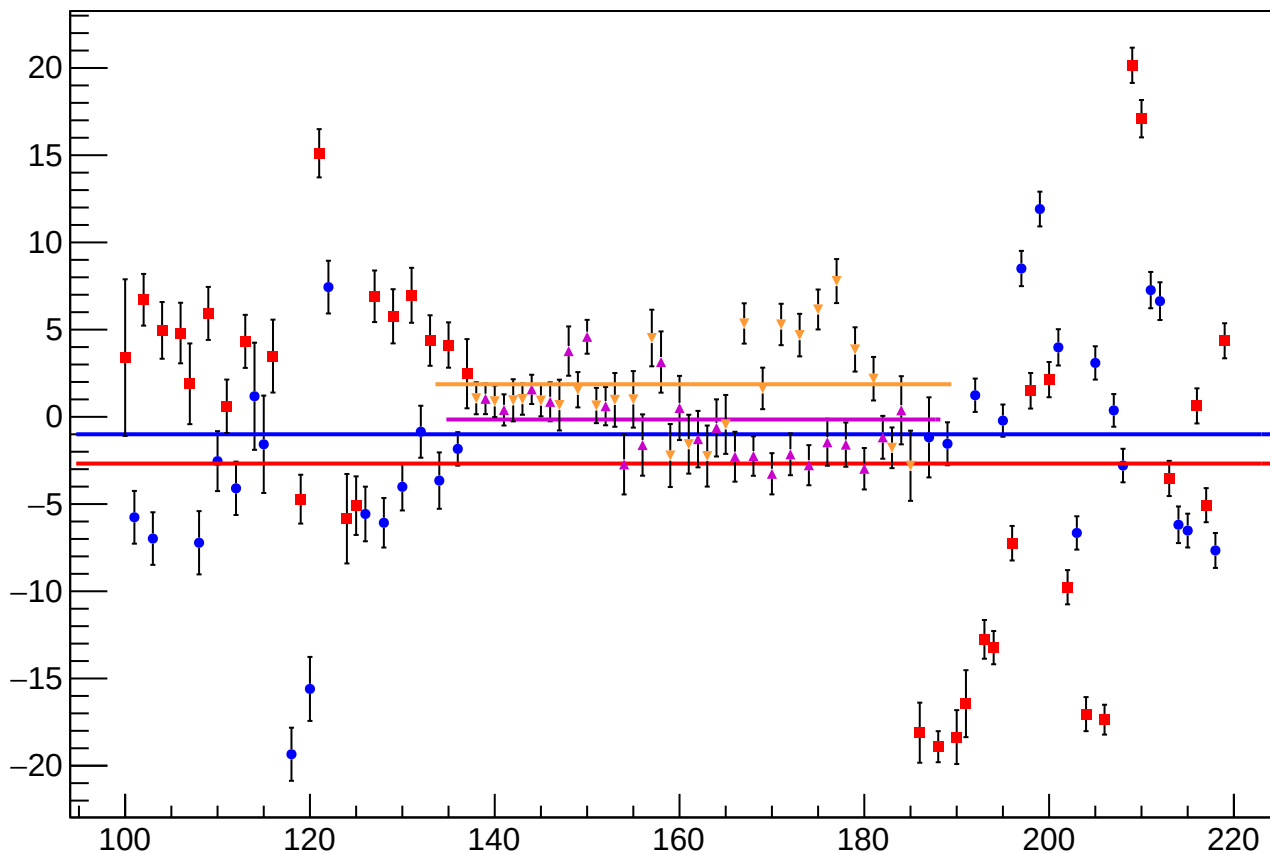
Left In: 9910.300+/-1.655 χ^2/NDF : 389368.1/22

+ sign 9756.162+/-1.110 χ^2/NDF : 994778.0/56

All: 9743.223+/-0.783 χ^2/NDF : 2149803.2/11

- sign 9730.440+/-1.103 χ^2/NDF : 1154755.1/59

diff_bpm0l07Y_mean vs Slug



Right In: -0.999 ± 0.214 $\chi^2/\text{NDF}: 870.8/31$

Left Out: 1.869 ± 0.243 $\chi^2/\text{NDF}: 103.2/24$

Right Out: -2.678 ± 0.206 $\chi^2/\text{NDF}: 2805.2/36$

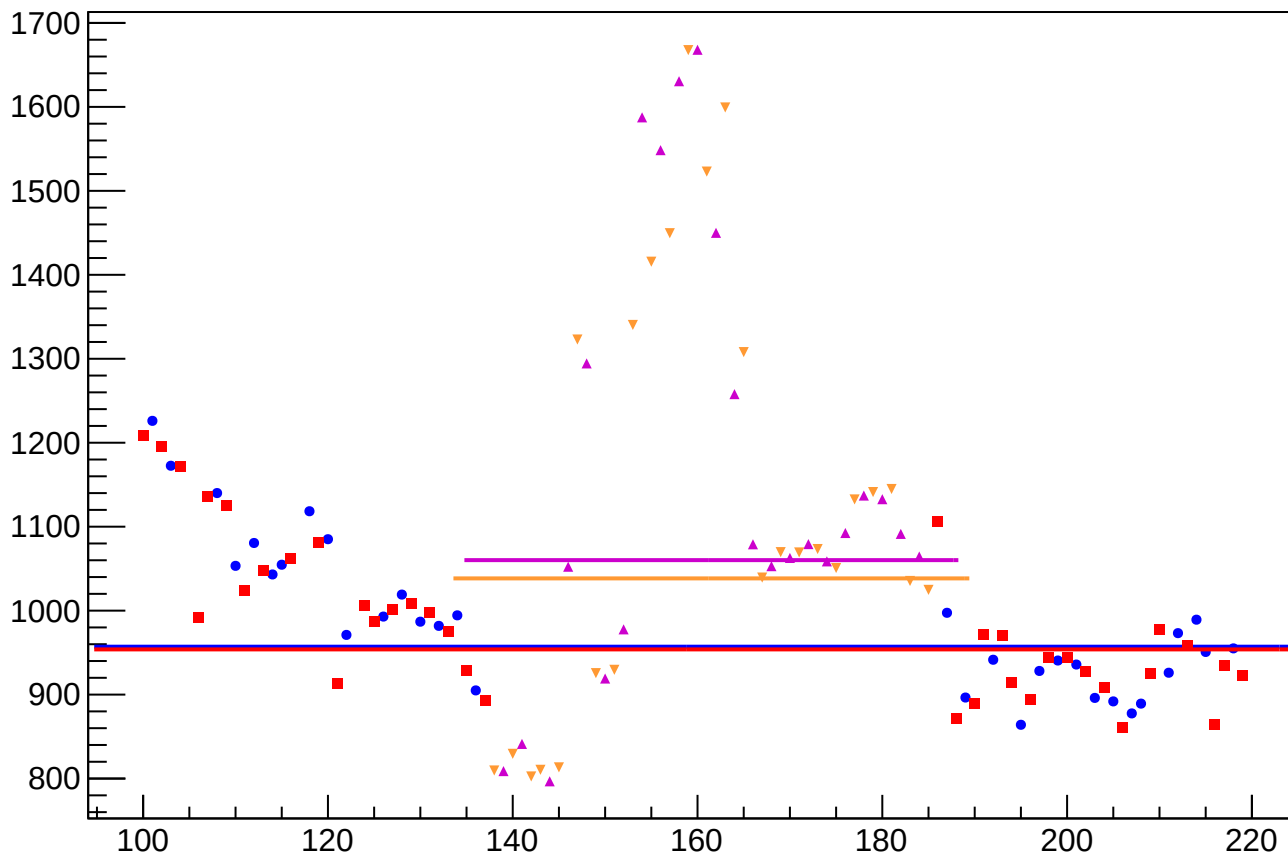
Left In: -0.152 ± 0.254 $\chi^2/\text{NDF}: 75.7/22$

+ sign 0.253 ± 0.160 $\chi^2/\text{NDF}: 1052.6/56$

All: -0.713 ± 0.113 $\chi^2/\text{NDF}: 4065.5/116$

- sign -1.677 ± 0.160 $\chi^2/\text{NDF}: 2940.3/59$

diff_bpm0l07Y_rms vs Slug



Right In: 957.056+/-0.151 χ^2/NDF : 269006.8/31

Left Out: 1038.406+/-0.172 χ^2/NDF :1706682.8/24

Right Out: 953.834+/-0.146 χ^2/NDF : 278903.7/36

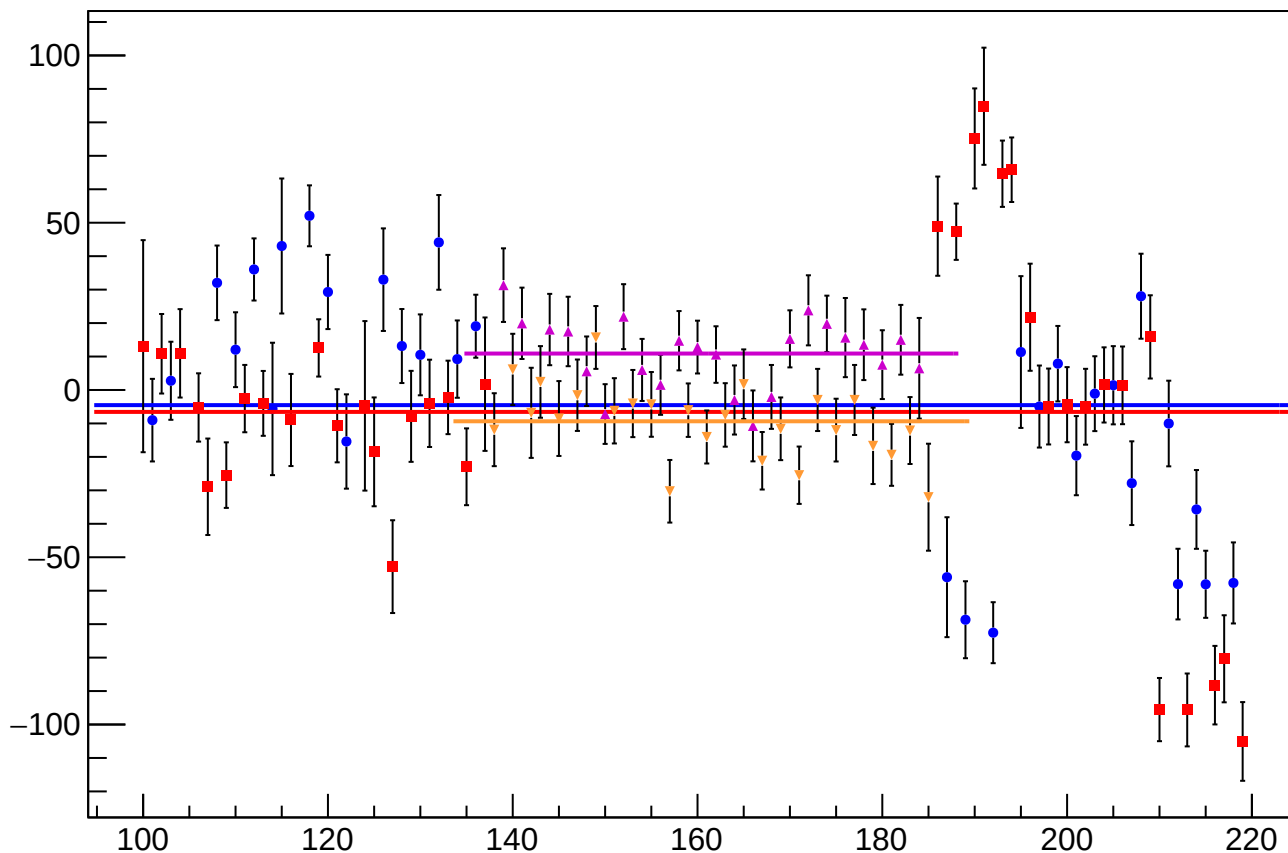
Left In: 1060.162+/-0.180 χ^2/NDF :1523219.9/22

+ sign 992.581+/-0.113 χ^2/NDF : 2102318.0/56

All: 994.269+/-0.080 χ^2/NDF : 4115722.5/116

- sign 995.954+/-0.113 χ^2/NDF : 2012961.5/59

diff_bpm0l08X_mean vs Slug



Right In: -4.527 ± 2.094 χ^2/NDF : 305.5/31

Left Out: -9.355 ± 1.969 χ^2/NDF : 28.5/24

Right Out: -6.551 ± 1.949 χ^2/NDF : 563.6/36

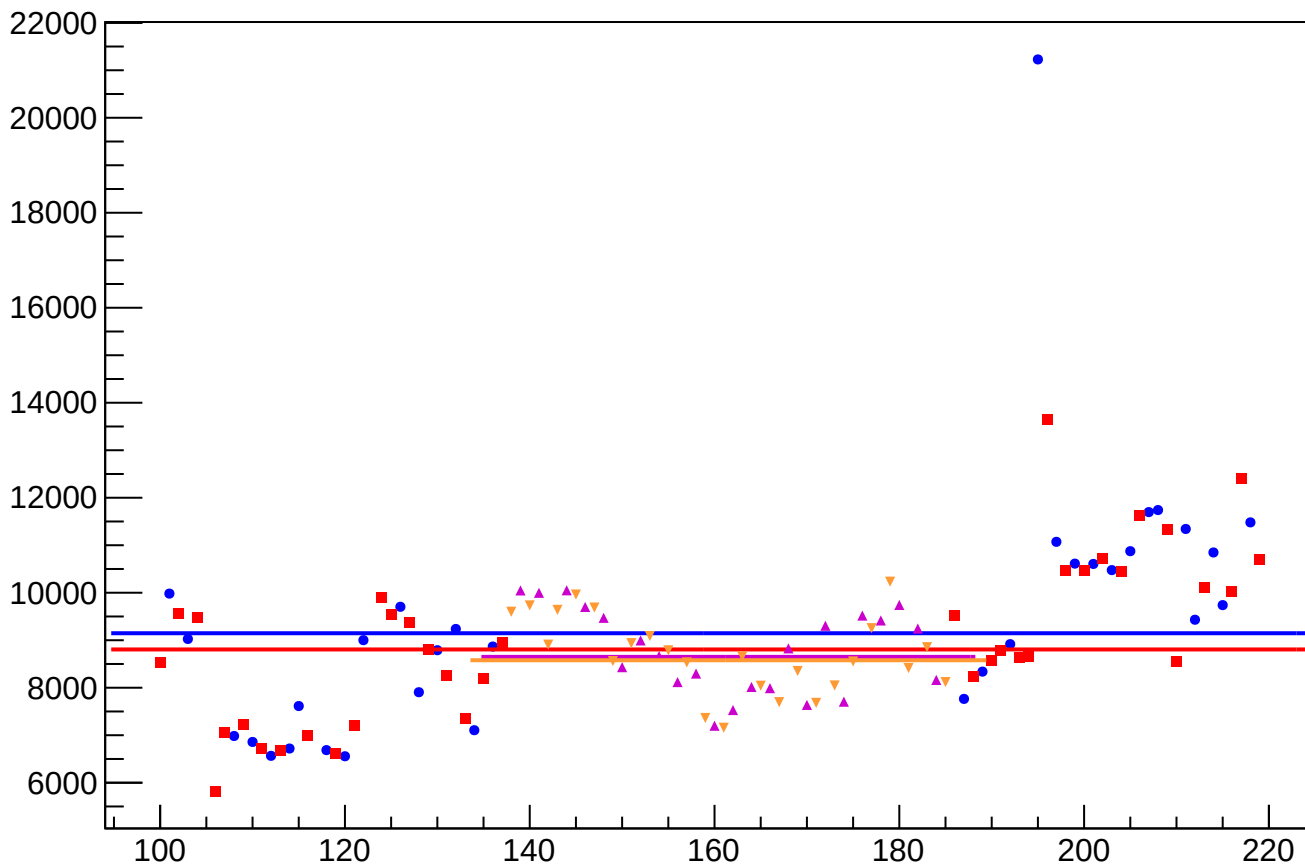
Left In: 10.892 ± 2.043 χ^2/NDF : 23.6/22

+ sign -7.090 ± 1.435 χ^2/NDF : 336.9/56

All: -2.587 ± 1.006 χ^2/NDF : 981.6/116

- sign 1.764 ± 1.410 χ^2/NDF : 625.4/59

diff_bpm0l08X_rms vs Slug



Right In: 9147.248+/-1.481 χ^2/NDF : 1838707.9/31

Left Out: 8578.396+/-1.392 χ^2/NDF : 343721.1/24

Right Out: 8805.816+/-1.378 χ^2/NDF : 1554091.2/36

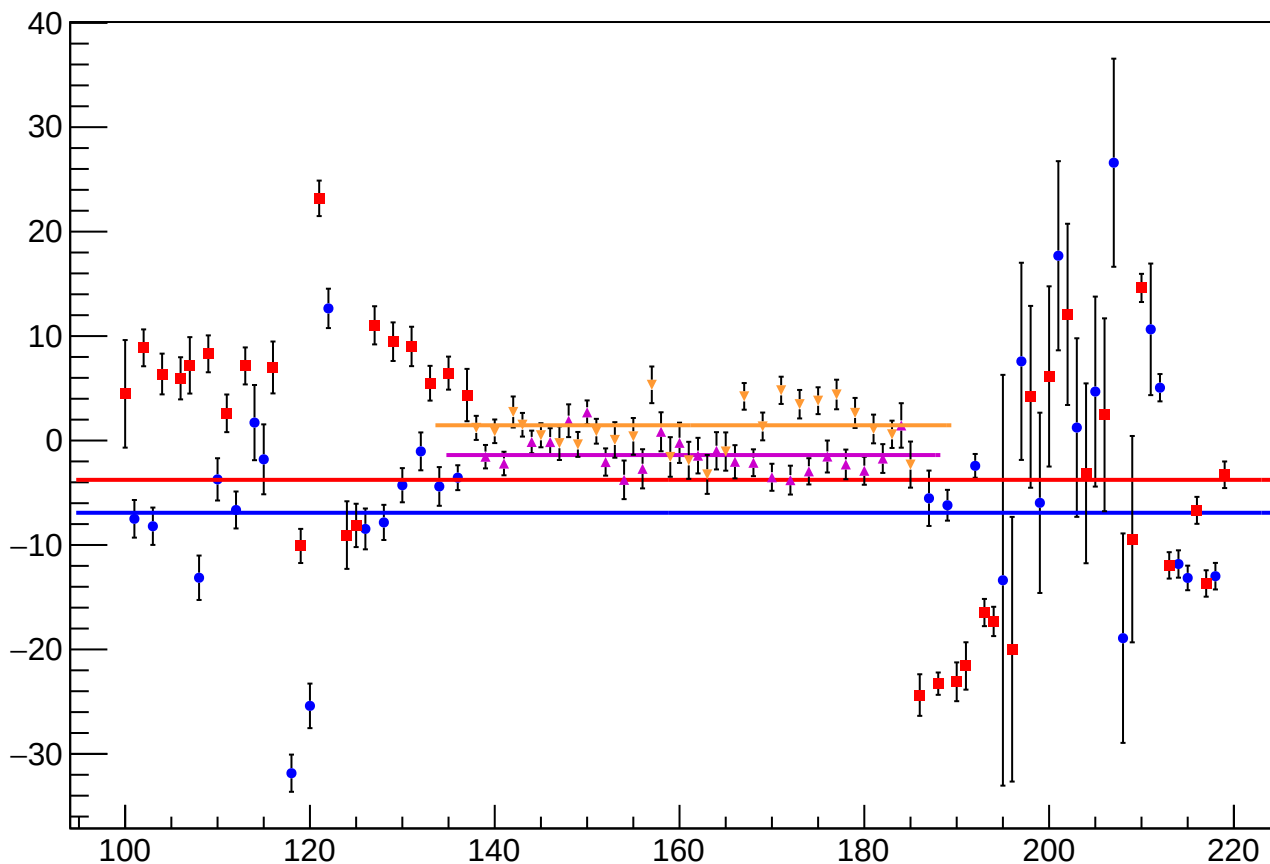
Left In: 8649.232+/-1.444 χ^2/NDF : 377932.0/22

+ sign 8845.326+/-1.014 χ^2/NDF : 2260745.4/56

All: 8787.271+/-0.711 χ^2/NDF : 4205359.8/11

- sign 8731.173+/-0.997 χ^2/NDF : 1938174.3/59

diff_bpm0l08Y_mean vs Slug



Right In: -6.916 ± 0.340 $\chi^2/\text{NDF}: 620.5/31$

Left Out: 1.461 ± 0.281 $\chi^2/\text{NDF}: 51.0/24$

Right Out: -3.764 ± 0.305 $\chi^2/\text{NDF}: 1857.2/36$

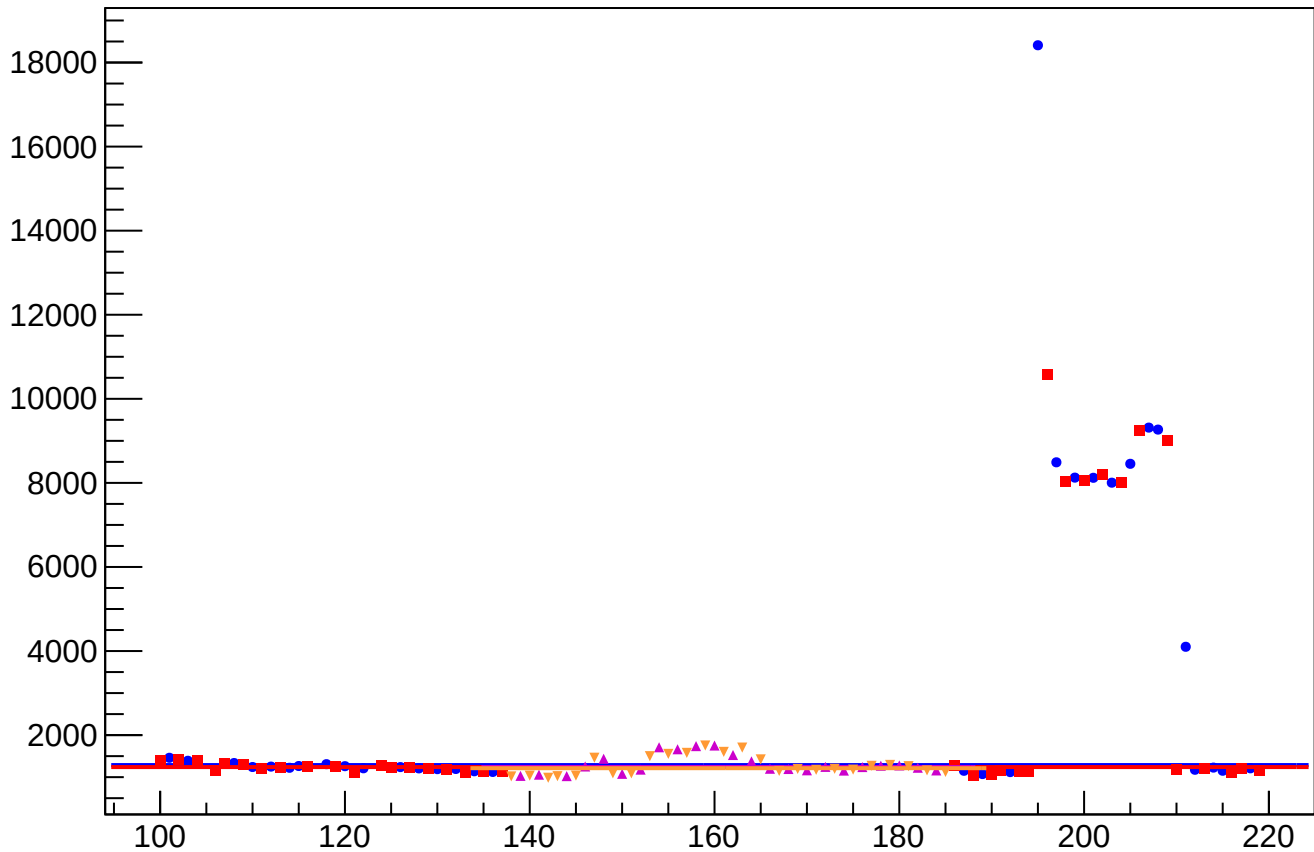
Left In: -1.390 ± 0.294 $\chi^2/\text{NDF}: 35.5/22$

+ sign -1.938 ± 0.216 $\chi^2/\text{NDF}: 1033.3/56$

All: -2.243 ± 0.151 $\chi^2/\text{NDF}: 2961.4/116$

- sign -2.535 ± 0.212 $\chi^2/\text{NDF}: 1924.1/59$

diff_bpm0l08Y_rms vs Slug



Right In: 1287.505+/-0.240 χ^2/NDF : 10761895.5/31

Left Out: 1213.262+/-0.198 χ^2/NDF : 1012762.9/24

Right Out: 1239.714+/-0.215 χ^2/NDF : 9039804.1/36

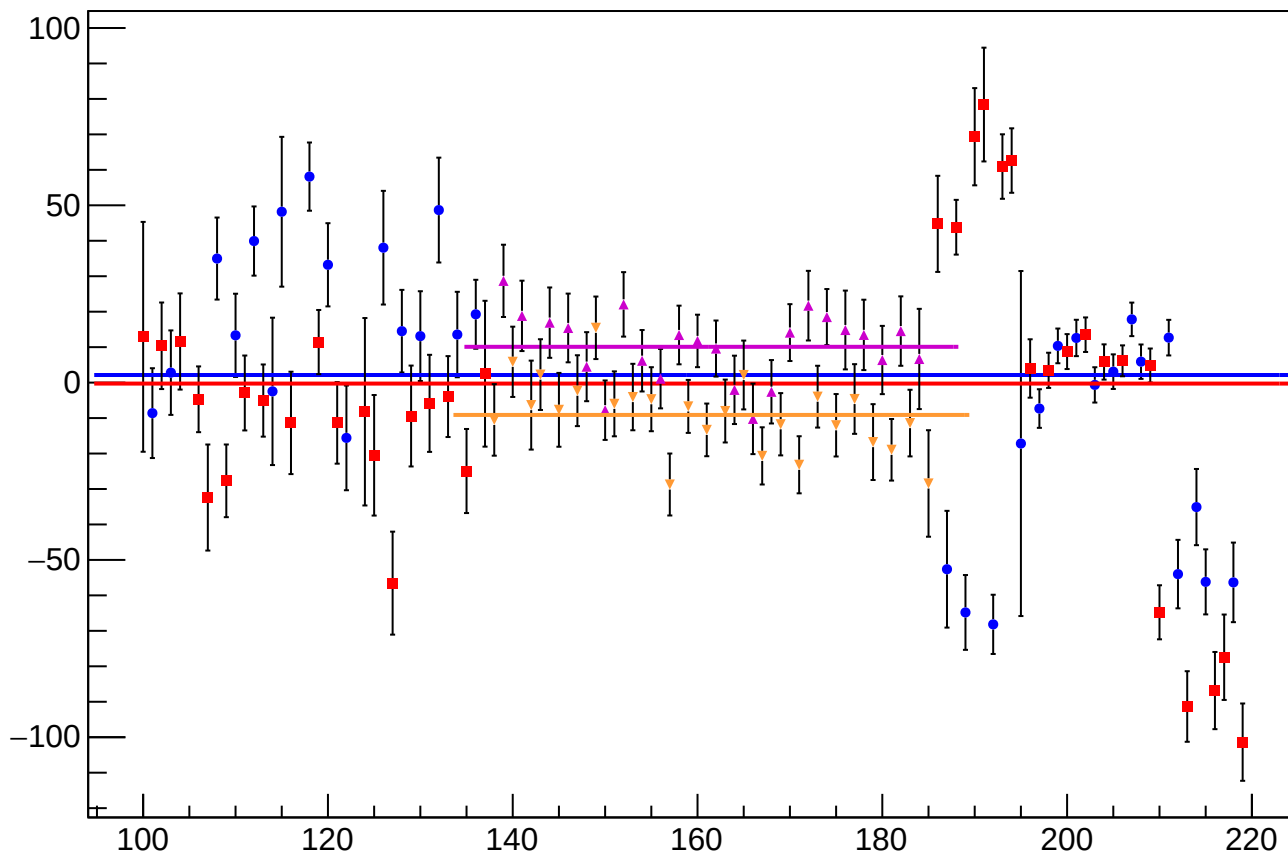
Left In: 1239.174+/-0.208 χ^2/NDF : 885596.7/22

+ sign 1243.384+/-0.153 χ^2/NDF : 11831492.7/56

All: 1241.367+/-0.107 χ^2/NDF : 21757237.3/100

- sign 1239.435+/-0.150 χ^2/NDF : 9925404.0/59

diff_bpm0l09X_mean vs Slug



Right In: 2.146 ± 1.422 χ^2/NDF : 354.8/31

Left Out: -9.114 ± 1.842 χ^2/NDF : 28.8/24

Right Out: -0.272 ± 1.413 χ^2/NDF : 588.1/36

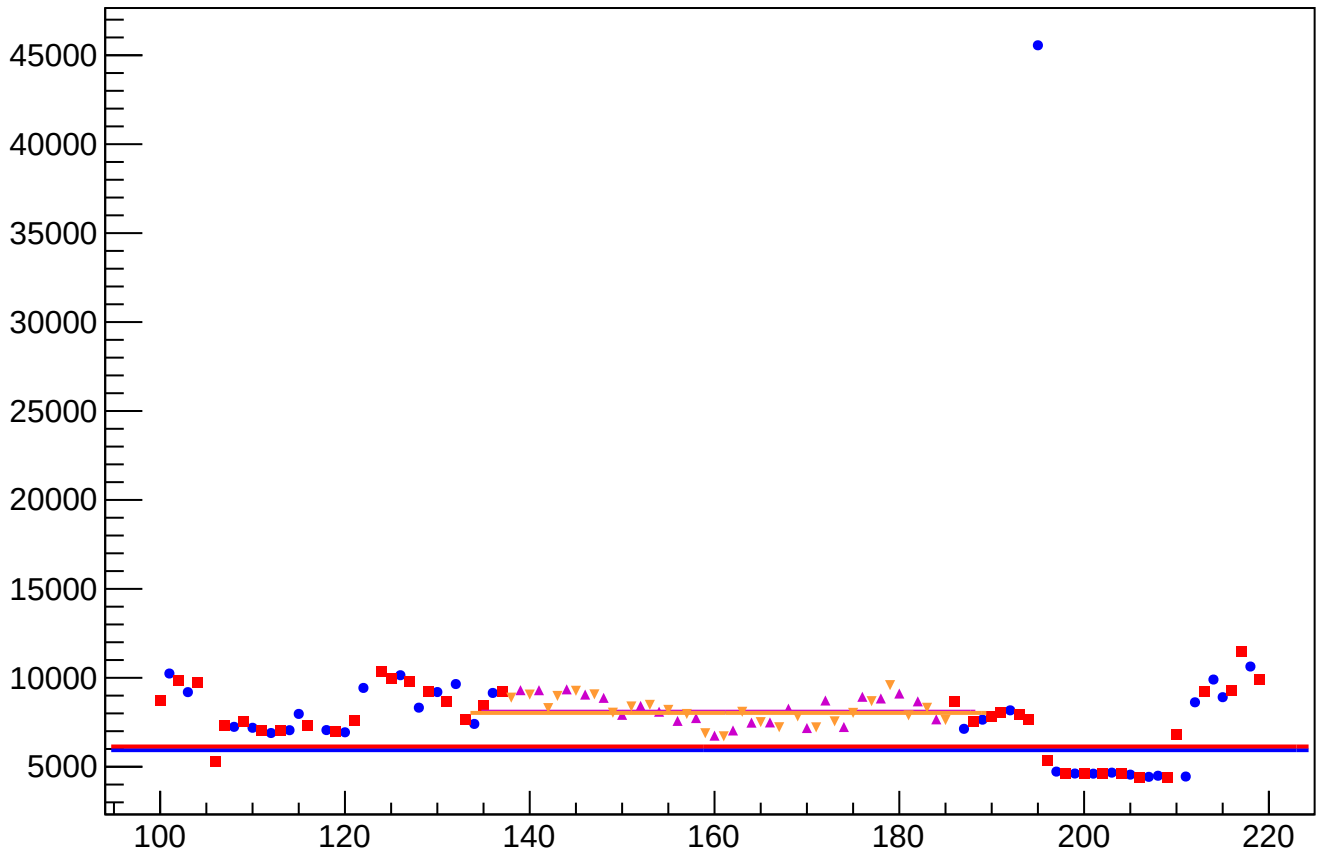
Left In: 10.095 ± 1.911 χ^2/NDF : 24.3/22

+ sign -2.056 ± 1.125 χ^2/NDF : 407.0/56

All: 0.642 ± 0.800 χ^2/NDF : 1050.0/116

- sign 3.391 ± 1.136 χ^2/NDF : 631.4/59

diff_bpm0l09X_rms vs Slug



Right In: 5933.633 ± 1.005 χ^2/NDF : 5099122.1/31

Left Out: 8028.056 ± 1.303 χ^2/NDF : 332457.9/24

Right Out: 6138.822 ± 0.999 χ^2/NDF : 3816645.5/36

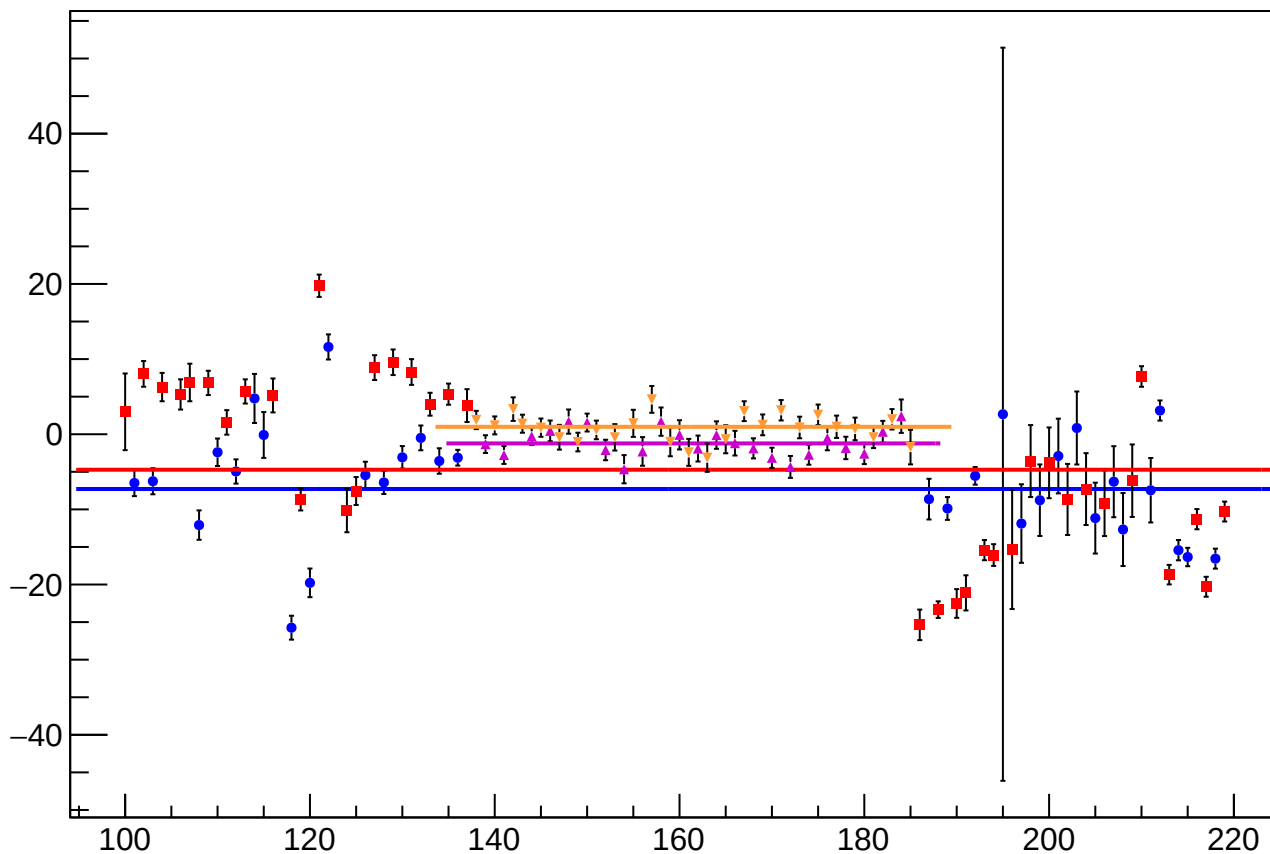
Left In: 8095.368 ± 1.351 χ^2/NDF : 367451.5/22

+ sign 6715.184 ± 0.796 χ^2/NDF : 7051603.4/56

All: 6772.106 ± 0.565 χ^2/NDF : 12601396.5/100

- sign 6830.102 ± 0.803 χ^2/NDF : 5539465.3/59

diff_bpm0l09Y_mean vs Slug



Right In: -7.287 ± 0.322 χ^2/NDF : 599.9/31

Left Out: 0.988 ± 0.292 χ^2/NDF : 31.0/24

Right Out: -4.724 ± 0.294 χ^2/NDF : 1875.9/36

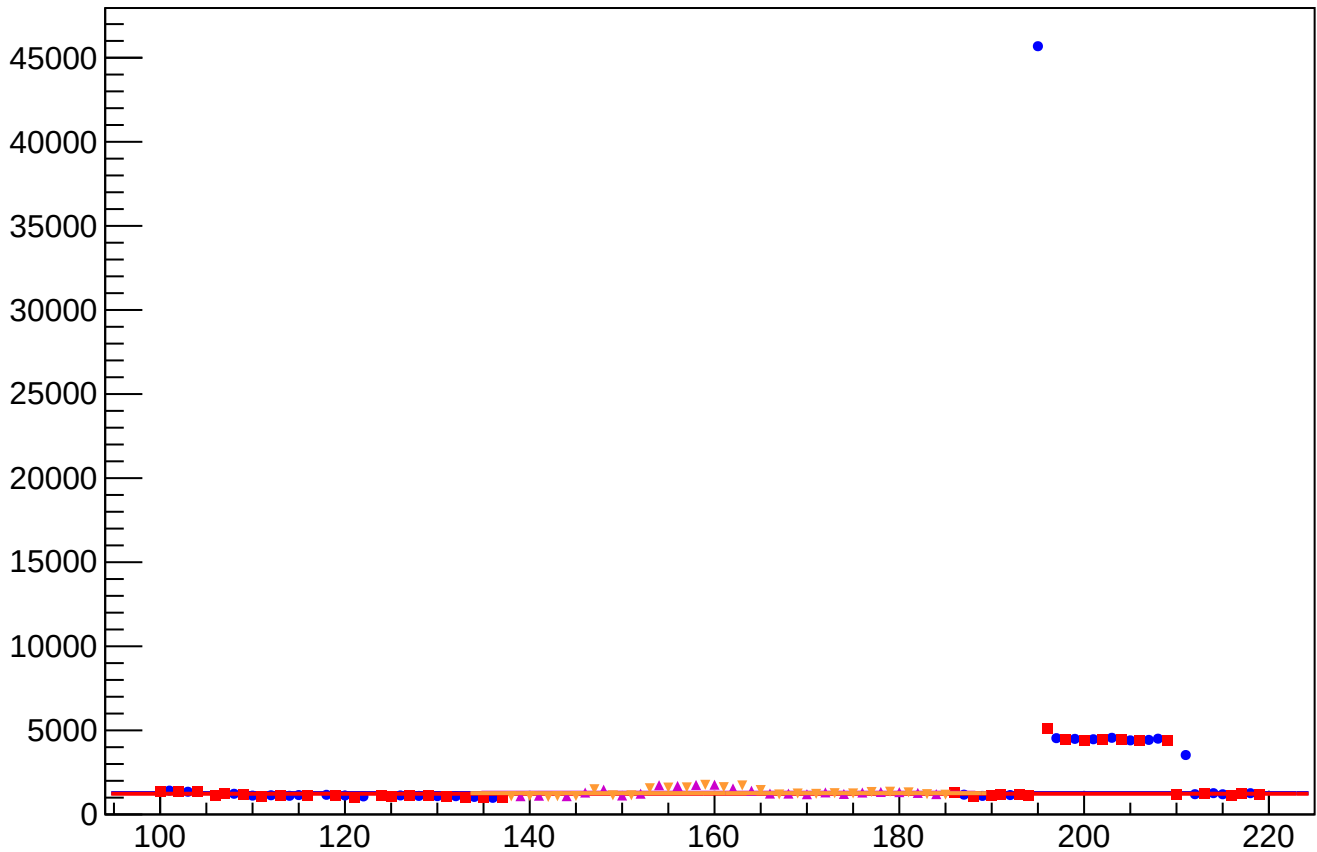
Left In: -1.219 ± 0.307 χ^2/NDF : 33.1/22

+ sign -2.749 ± 0.217 χ^2/NDF : 992.7/56

All: -2.901 ± 0.151 χ^2/NDF : 2970.9/116

- sign -3.047 ± 0.212 χ^2/NDF : 1977.2/59

diff_bpm0l09Y_rms vs Slug



Right In: 1273.052 $\pm$ 0.228 χ^2/NDF : 8754471.1/31

Left Out: 1267.405 $\pm$ 0.207 χ^2/NDF : 878431.8/24

Right Out: 1231.875 $\pm$ 0.208 χ^2/NDF : 6411409.4/36

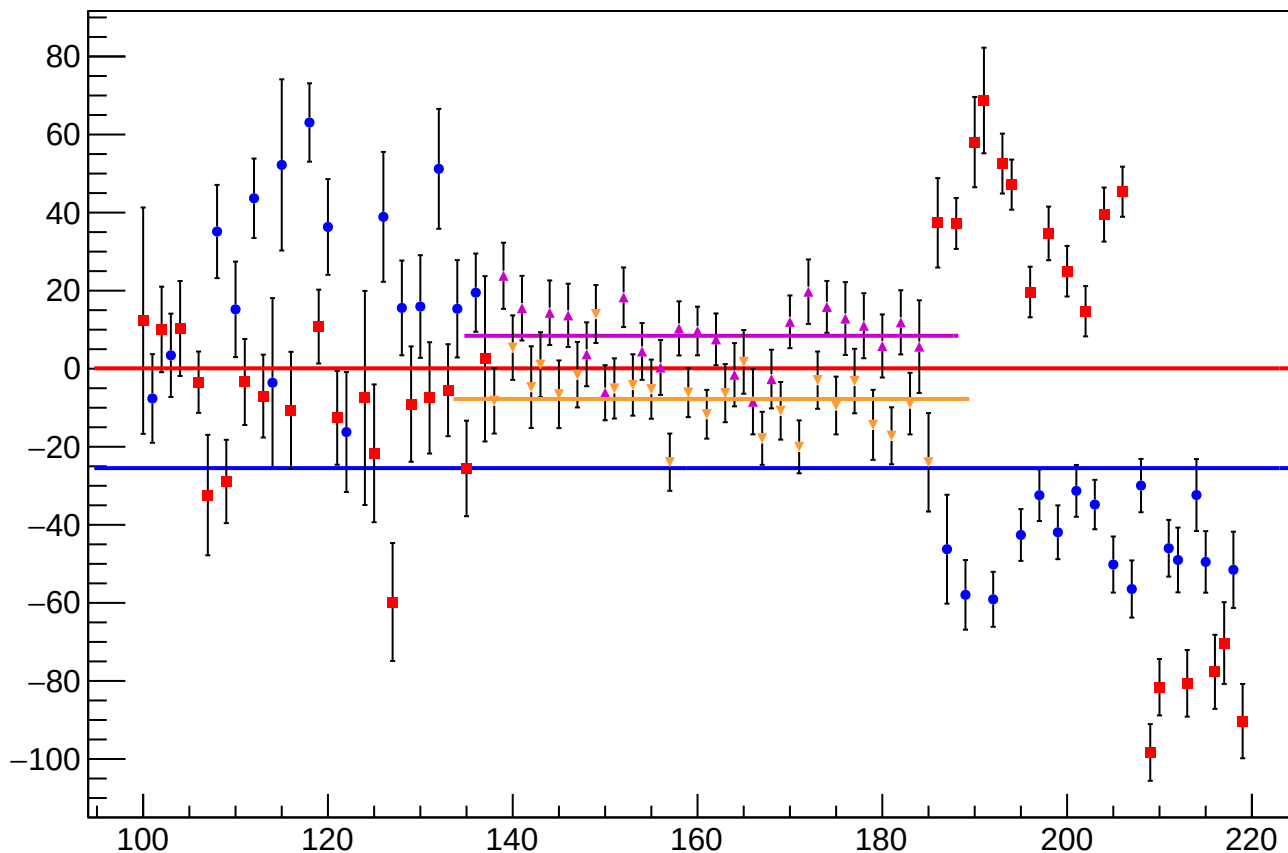
Left In: 1294.076 $\pm$ 0.217 χ^2/NDF : 758193.5/22

+ sign 1269.955 $\pm$ 0.153 χ^2/NDF : 9633239.9/56

All: 1265.705 $\pm$ 0.107 χ^2/NDF : 16847301.2/100

- sign 1261.628 $\pm$ 0.150 χ^2/NDF : 7212551.3/59

diff_bpm0l10X_mean vs Slug



Right In: -25.467 ± 1.611 χ^2/NDF : 419.6/31

Left Out: -7.752 ± 1.547 χ^2/NDF : 30.4/24

Right Out: 0.100 ± 1.532 χ^2/NDF : 973.1/36

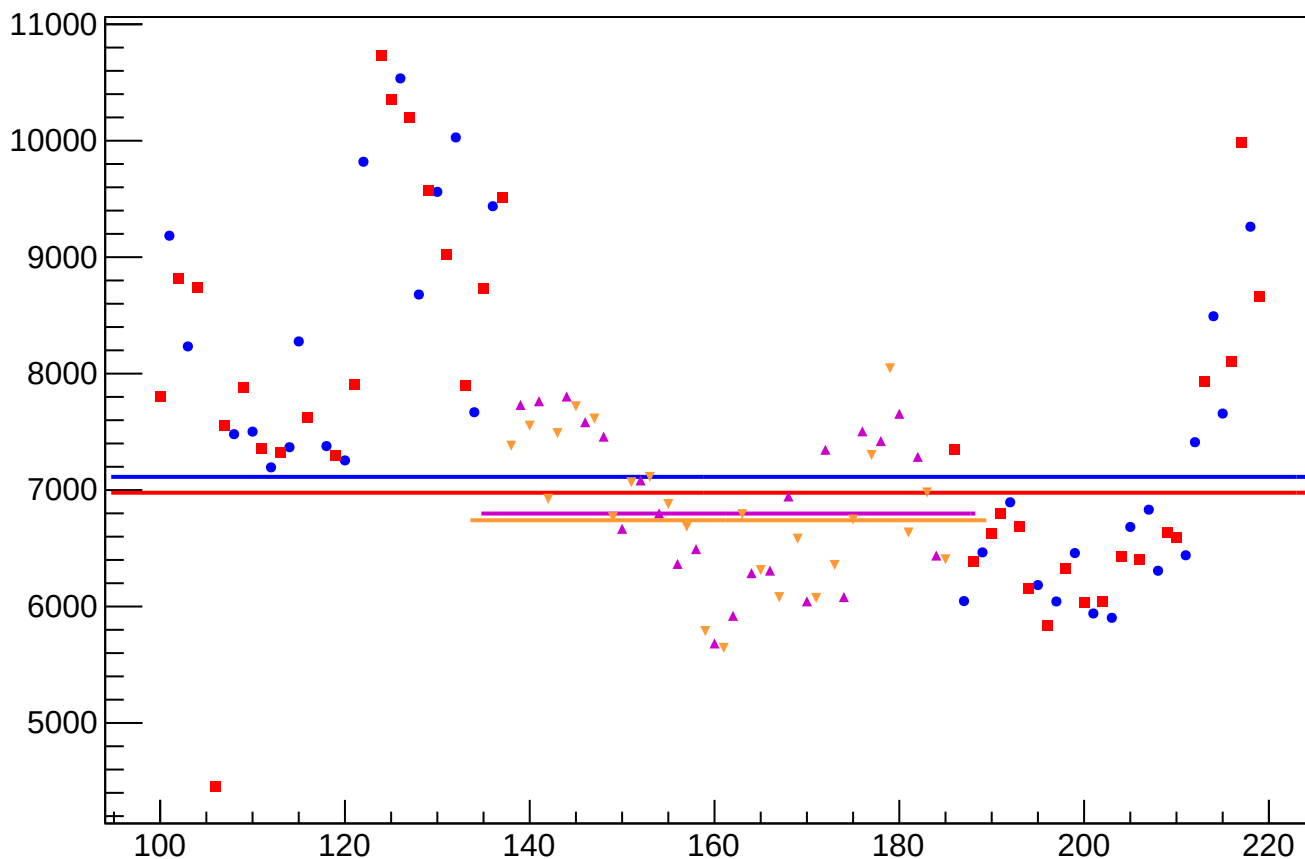
Left In: 8.438 ± 1.605 χ^2/NDF : 24.8/22

+ sign -16.246 ± 1.116 χ^2/NDF : 512.9/56

All: -6.015 ± 0.786 χ^2/NDF : 1692.0/116

- sign 4.077 ± 1.108 χ^2/NDF : 1012.1/59

diff_bpm0l10X_rms vs Slug



Right In: 7113.452 ± 1.139 χ^2/NDF : 1010921.4/31

Left Out: 6740.835 ± 1.094 χ^2/NDF : 316707.6/24

Right Out: 6977.189 ± 1.084 χ^2/NDF : 1271884.8/36

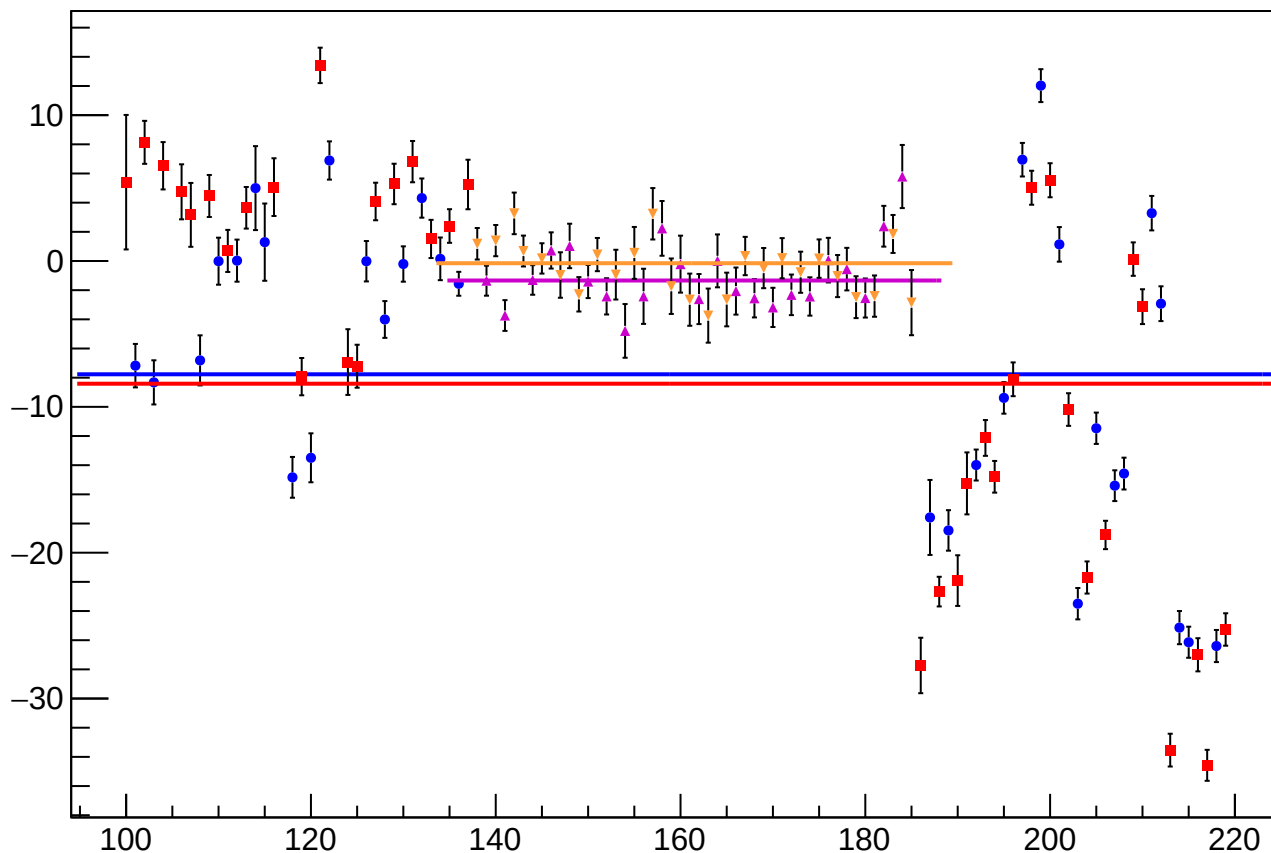
Left In: 6798.524 ± 1.135 χ^2/NDF : 353277.6/22

+ sign 6919.495 ± 0.789 χ^2/NDF : 1383291.3/56

All: 6905.638 ± 0.556 χ^2/NDF : 3022034.5/11

- sign 6891.969 ± 0.784 χ^2/NDF : 1638130.5/59

diff_bpm0l10Y_mean vs Slug



Right In: -7.767 ± 0.223 χ^2/NDF : 2368.4/31

Left Out: -0.152 ± 0.277 χ^2/NDF : 36.1/24

Right Out: -8.414 ± 0.217 χ^2/NDF : 4006.0/36

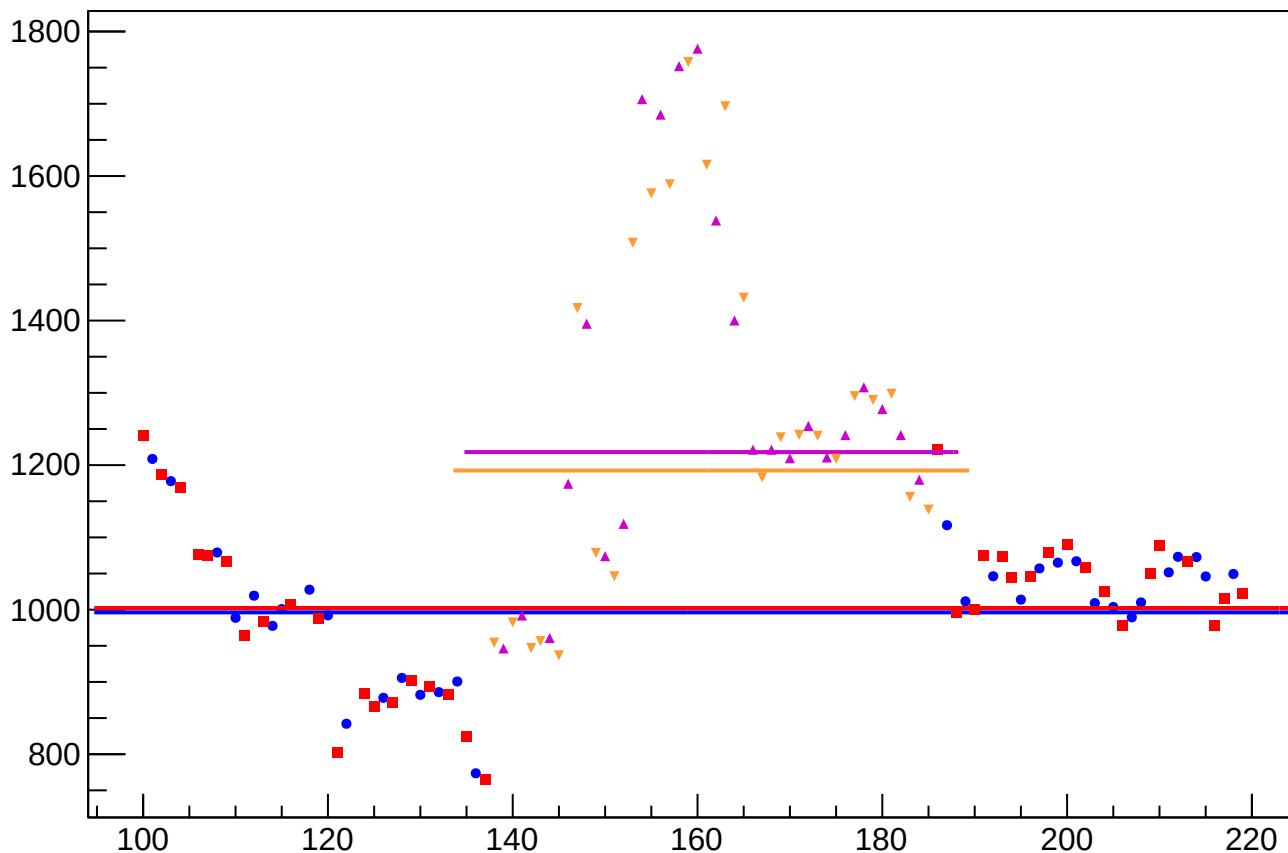
Left In: -1.337 ± 0.290 χ^2/NDF : 44.0/22

+ sign -4.774 ± 0.173 χ^2/NDF : 2864.2/56

All: -5.325 ± 0.123 χ^2/NDF : 7316.0/116

- sign -5.877 ± 0.174 χ^2/NDF : 4431.6/59

diff_bpm0l10Y_rms vs Slug



Right In: 996.257 $\pm$ 0.157 χ^2 /NDF: 376790.6/31

Left Out: 1192.579 $\pm$ 0.196 χ^2 /NDF:1320181.3/24

Right Out: 1002.296 $\pm$ 0.153 χ^2 /NDF: 384142.2/36

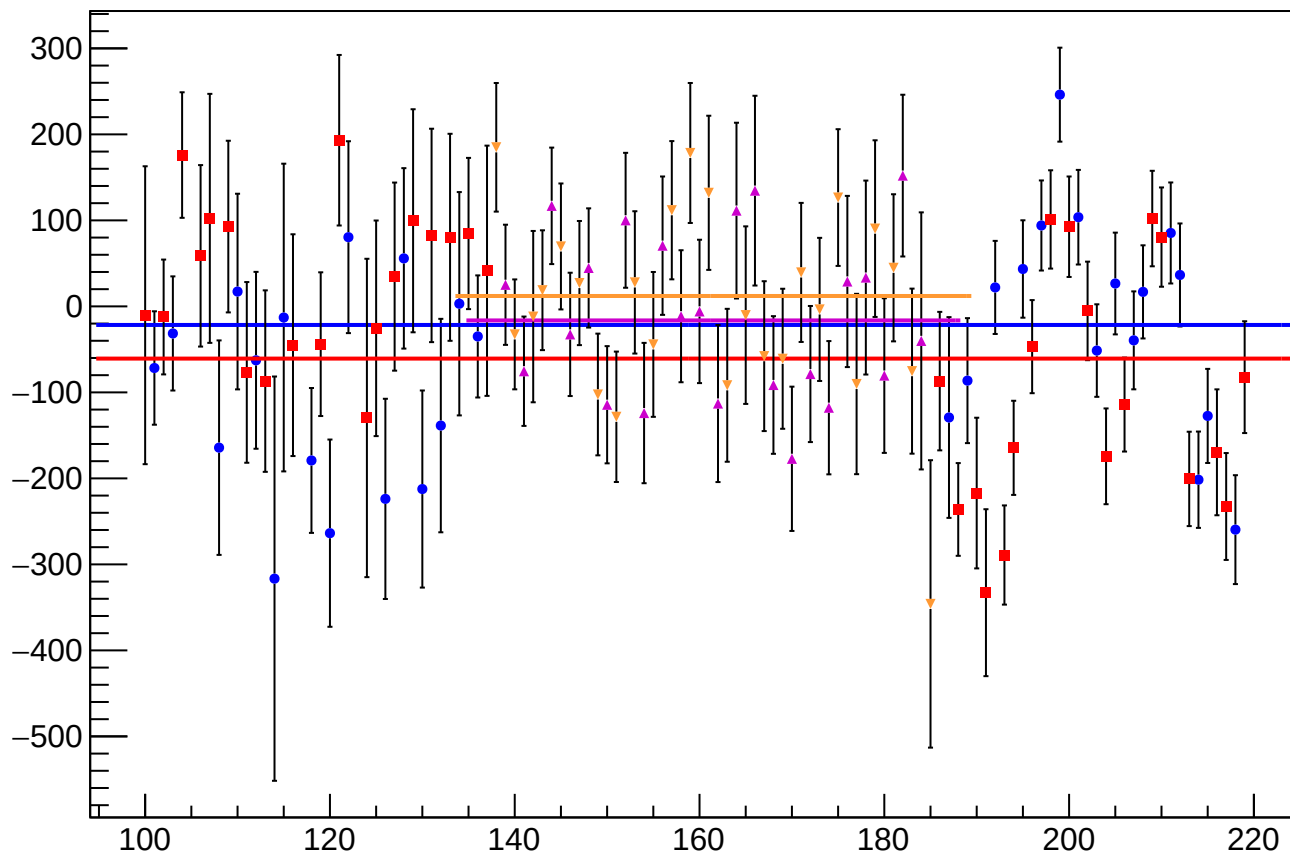
Left In: 1218.058 $\pm$ 0.205 χ^2 /NDF:1127896.8/22

+ sign 1073.423 $\pm$ 0.123 χ^2 /NDF: 2308029.8/56

All: 1076.520 $\pm$ 0.087 χ^2 /NDF: 4530894.2/11

- sign 1079.625 $\pm$ 0.123 χ^2 /NDF: 2221587.7/59

diff_bpm0r03X_mean vs Slug



Right In: -21.606 $\pm$ 12.589 χ^2/NDF : 92.1/31

Left Out: 12.081 $\pm$ 16.608 χ^2/NDF : 32.8/24

Right Out: -60.714 $\pm$ 12.284 χ^2/NDF : 124.3/36

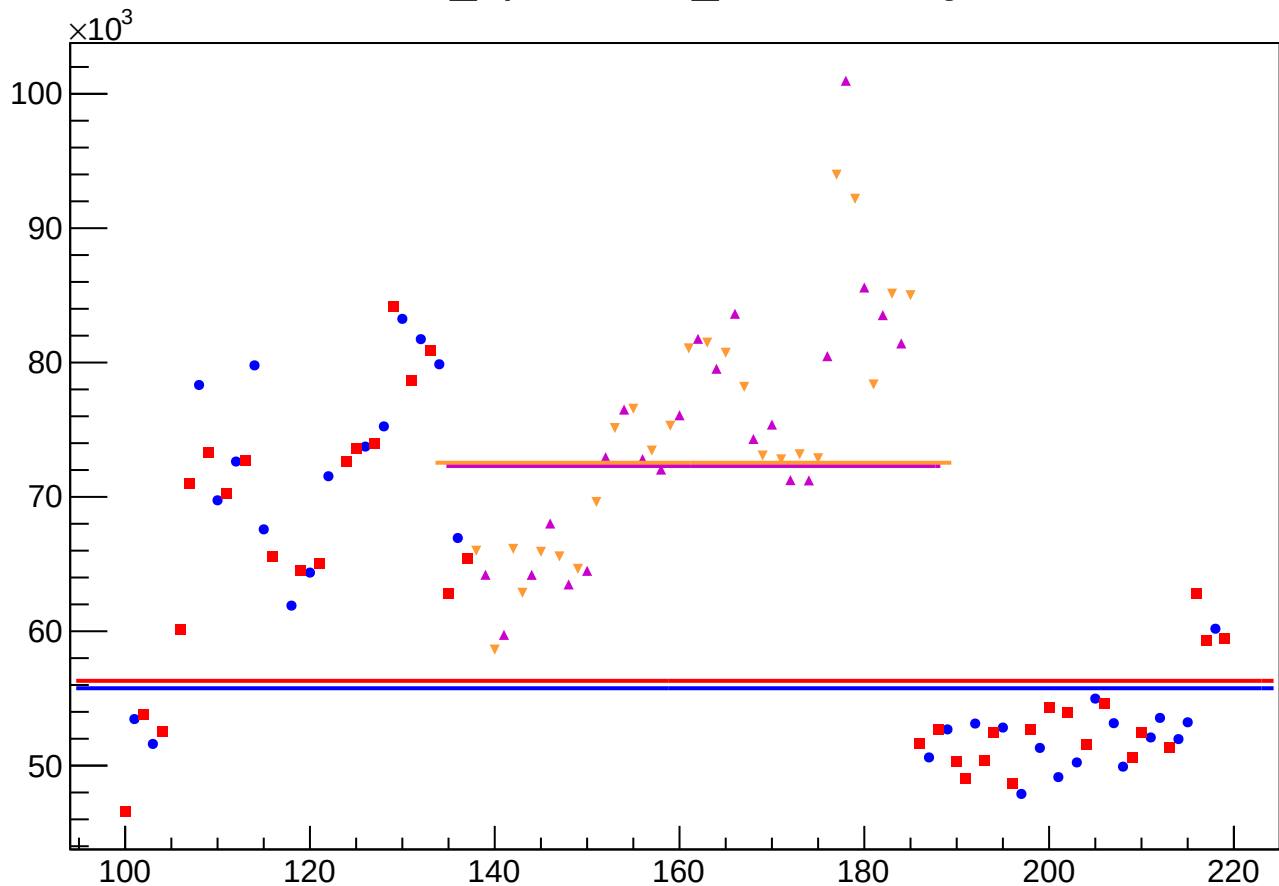
Left In: -16.339 $\pm$ 17.018 χ^2/NDF : 28.7/22

+ sign -9.312 $\pm$ 10.033 χ^2/NDF : 127.5/56

All: -27.543 $\pm$ 7.068 χ^2/NDF : 291.5/116

- sign -45.512 $\pm$ 9.960 χ^2/NDF : 157.5/59

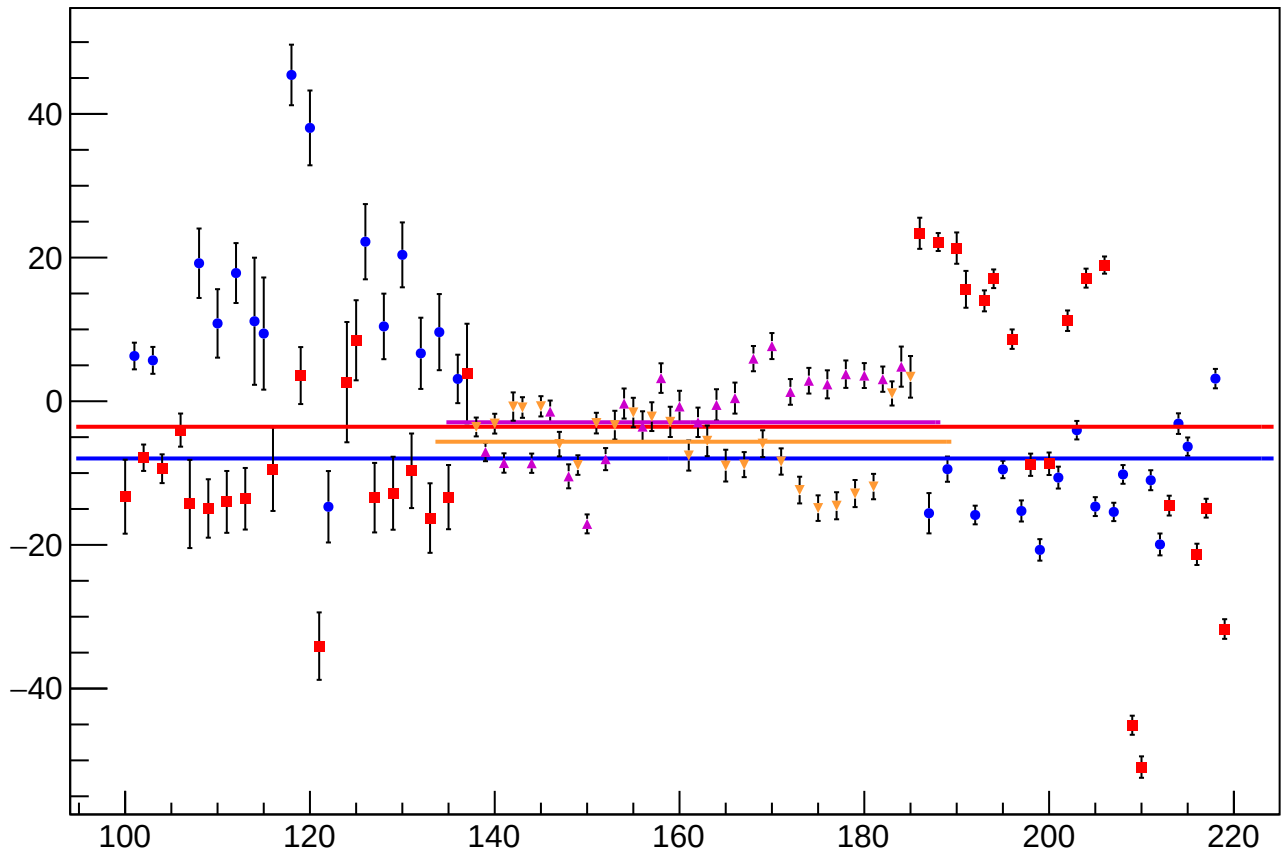
diff_bpm0r03X_rms vs Slug



Right In: 55758.459 ± 8.902 χ^2/NDF : 878172.8/31
 Left Out: 72544.327 ± 11.744 χ^2/NDF : 500066.2/24
 Right Out: 56310.453 ± 8.686 χ^2/NDF : 798144.1/36
 Left In: 72300.590 ± 12.033 χ^2/NDF : 488780.3/22

+ sign 61883.959 ± 7.094 χ^2/NDF : 2675762.8/56
 All: 61835.757 ± 4.998 χ^2/NDF : 5123630.6/1
 - sign 61788.247 ± 7.043 χ^2/NDF : 2447776.1/59

diff_bpm0r03Y_mean vs Slug



Right In: -7.967 ± 0.329 χ^2/NDF : 933.3/31

Left Out: -5.636 ± 0.349 χ^2/NDF : 178.2/24

Right Out: -3.553 ± 0.318 χ^2/NDF : 4776.5/36

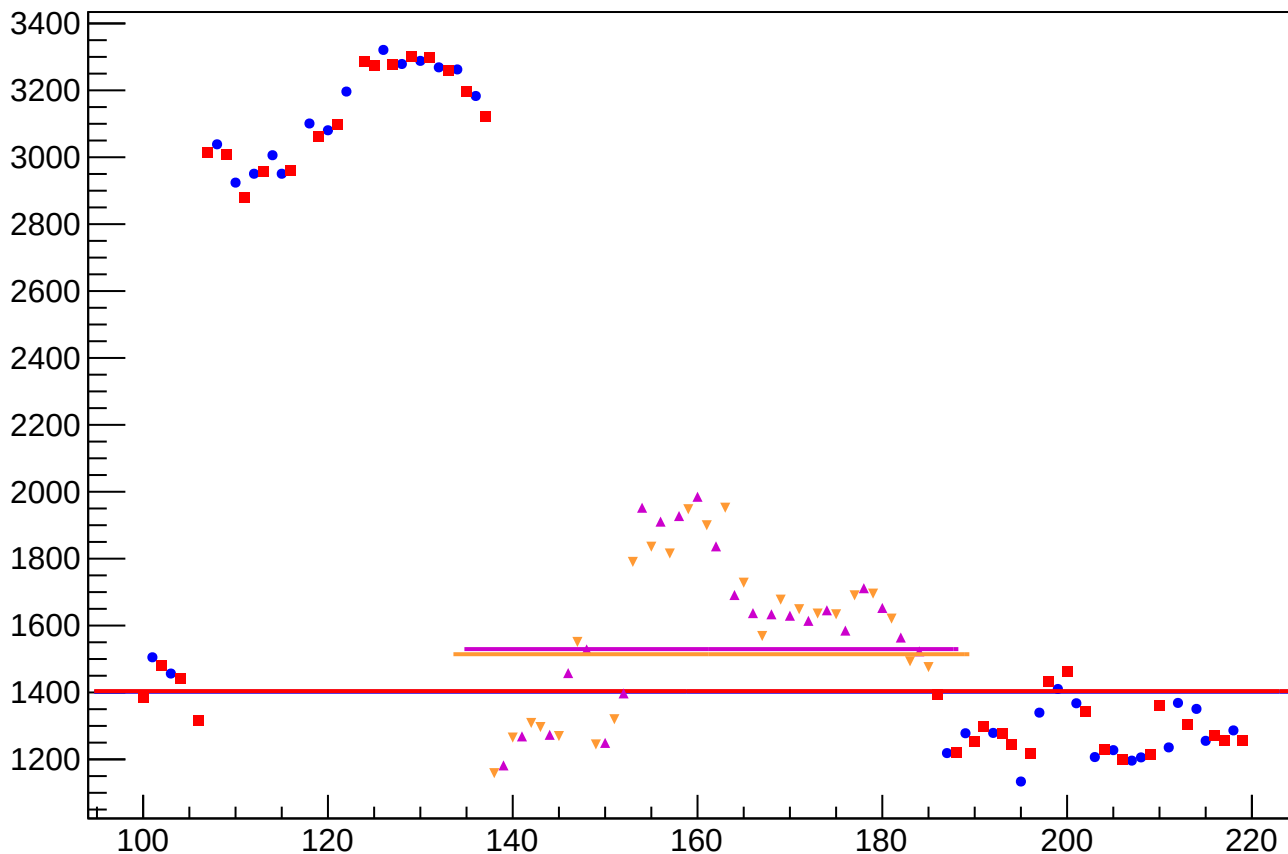
Left In: -2.929 ± 0.362 χ^2/NDF : 337.4/22

+ sign -6.869 ± 0.240 χ^2/NDF : 1135.0/56

All: -5.071 ± 0.169 χ^2/NDF : 6363.1/116

- sign -3.282 ± 0.239 χ^2/NDF : 5115.6/59

diff_bpm0r03Y_rms vs Slug



Right In: 1402.176 $\pm$ 0.233 χ^2 /NDF: 4087492.6/31

Left Out: 1514.334 $\pm$ 0.247 χ^2 /NDF:933332.1/24

Right Out: 1404.020 $\pm$ 0.225 χ^2 /NDF: 3971998.8/36

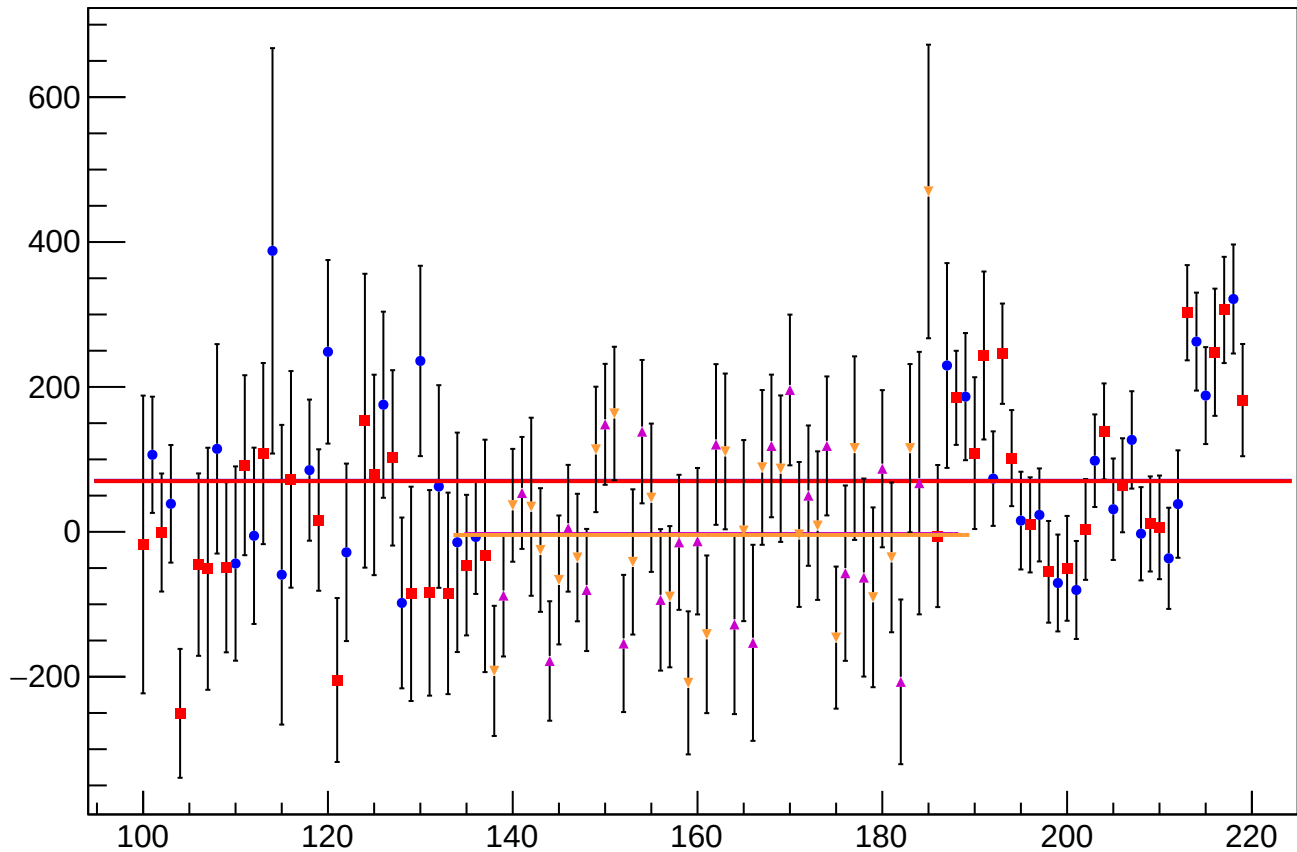
Left In: 1529.635 $\pm$ 0.256 χ^2 /NDF:828481.7/22

+ sign 1454.992 $\pm$ 0.169 χ^2 /NDF: 5130092.2/56

All: 1456.813 $\pm$ 0.120 χ^2 /NDF: 10066735.7/100

- sign 1458.624 $\pm$ 0.169 χ^2 /NDF: 4936413.0/59

diff_bpm0r05X_mean vs Slug



Right In: 70.428 $\pm$ 15.019 χ^2 /NDF: 52.4/31

Left Out: -4.274 $\pm$ 20.240 χ^2 /NDF:30.4/24

Right Out: 70.006 $\pm$ 14.667 χ^2 /NDF: 80.5/36

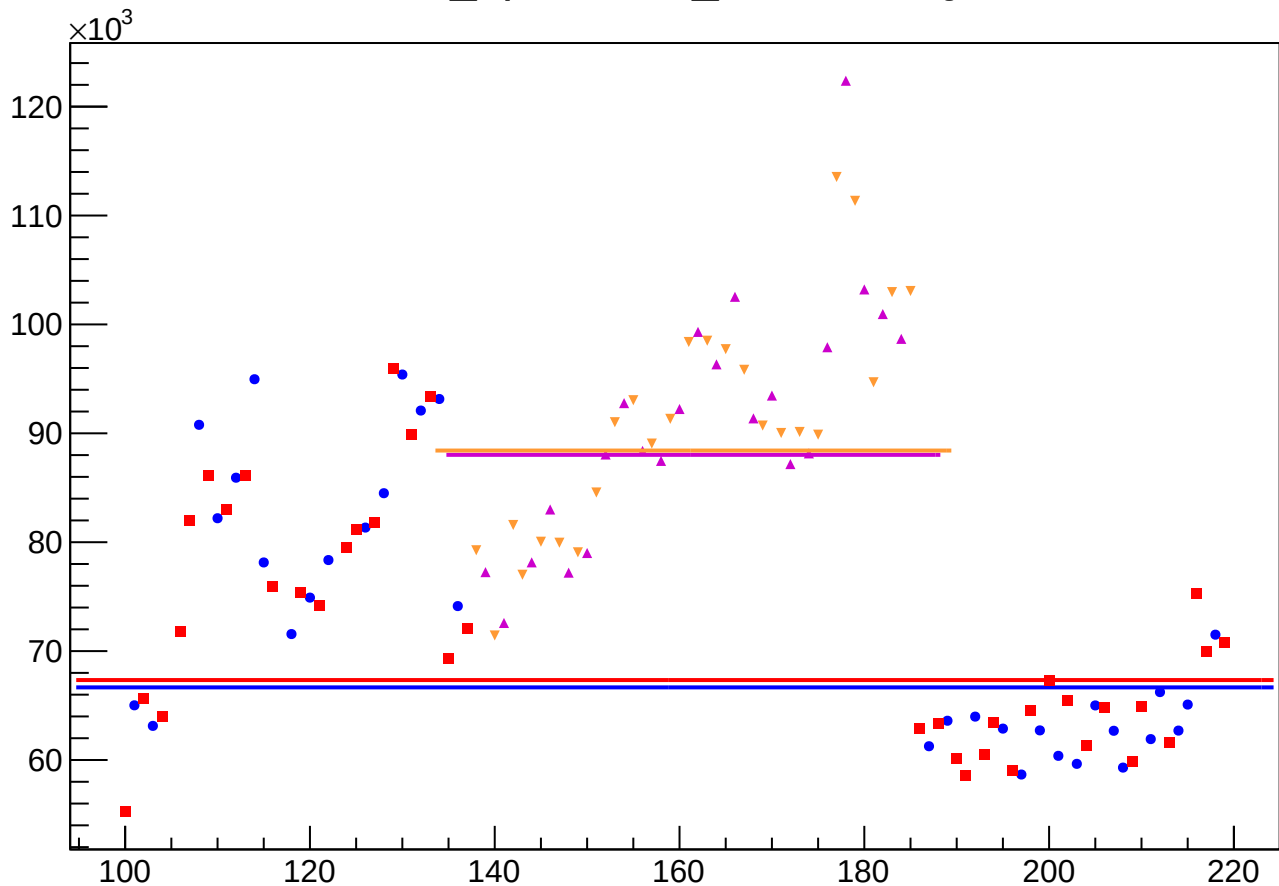
Left In: -3.017 $\pm$ 20.720 χ^2 /NDF:30.7/22

+ sign 43.900 $\pm$ 12.061 χ^2 /NDF: 91.7/56

All: 44.772 $\pm$ 8.497 χ^2 /NDF: 211.2/116

- sign 45.630 $\pm$ 11.971 χ^2 /NDF: 119.5/59

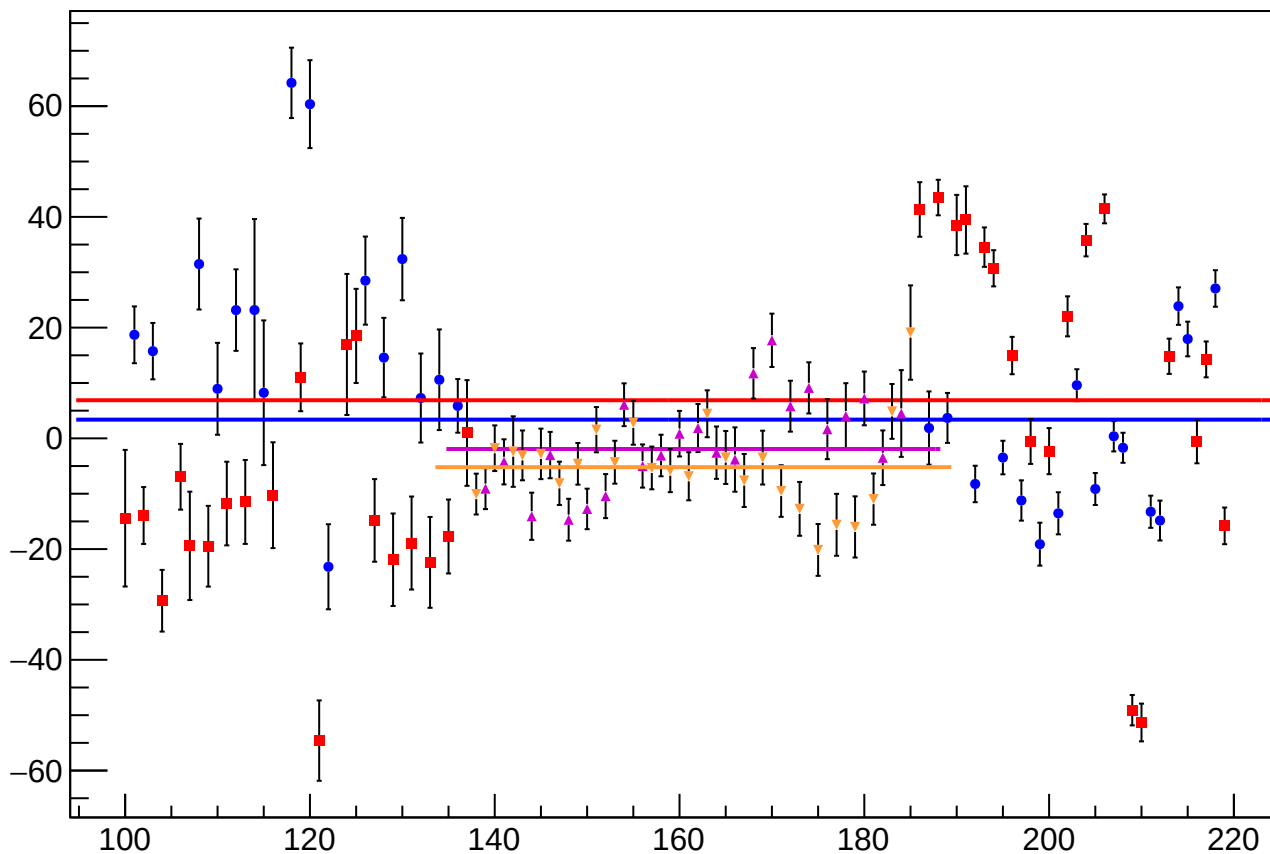
diff_bpm0r05X_rms vs Slug



Right In: 66668.536 ± 10.620 $\chi^2/\text{NDF}: 662919.8/31$
 Left Out: 88417.953 ± 14.312 $\chi^2/\text{NDF}: 481954.0/24$
 Right Out: 67341.614 ± 10.371 $\chi^2/\text{NDF}: 620127.4/36$
 Left In: 88023.592 ± 14.651 $\chi^2/\text{NDF}: 484812.2/22$

+ sign 74392.096 ± 8.529 $\chi^2/\text{NDF}: 2634188.1/56$
 All: 74318.270 ± 6.008 $\chi^2/\text{NDF}: 5066790.8/1$
 - sign 74245.542 ± 8.465 $\chi^2/\text{NDF}: 2432454.0/59$

diff_bpm0r05Y_mean vs Slug



Right In: 3.381 ± 0.748 $\chi^2/\text{NDF}: 503.3/31$

Left Out: -5.206 ± 0.894 $\chi^2/\text{NDF}: 51.0/24$

Right Out: 6.882 ± 0.740 $\chi^2/\text{NDF}: 1664.0/36$

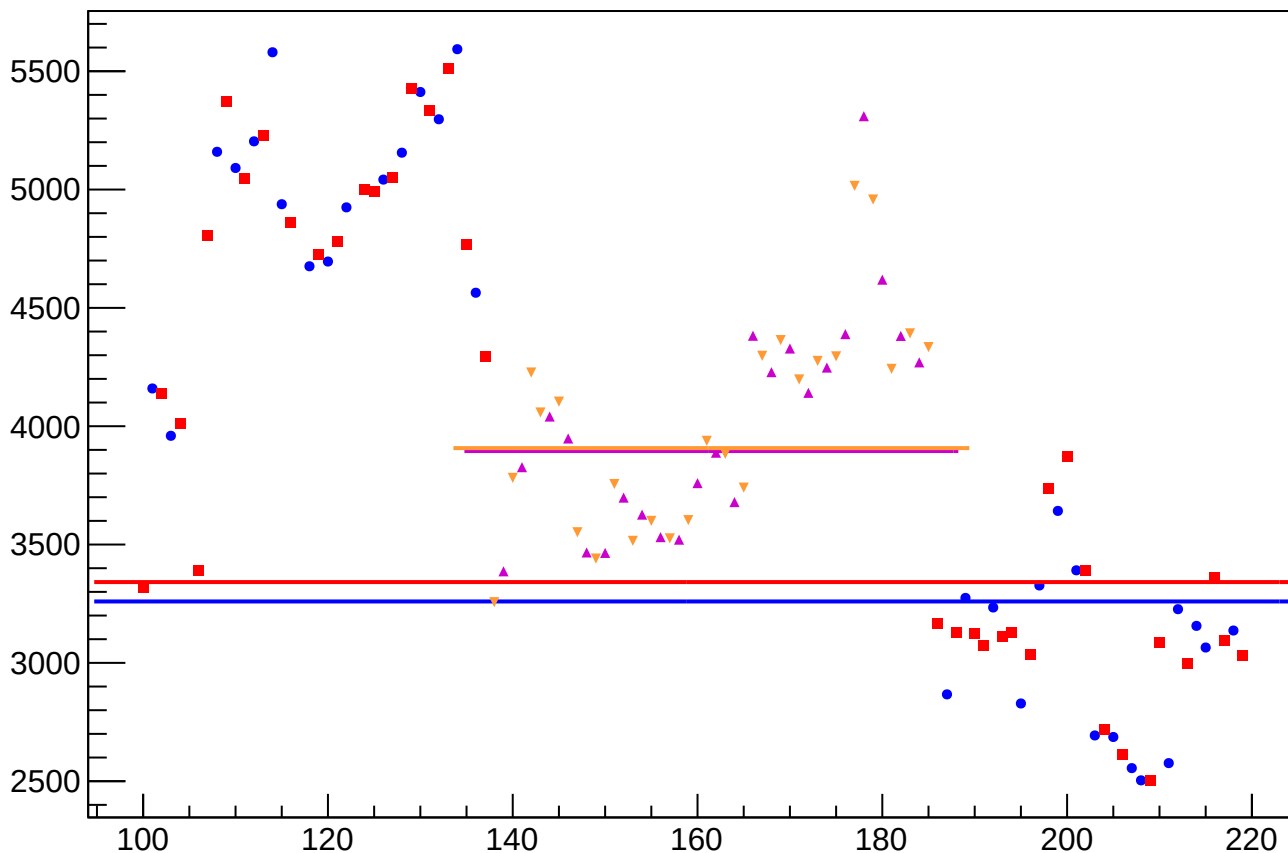
Left In: -1.924 ± 0.916 $\chi^2/\text{NDF}: 83.2/22$

+ sign -0.156 ± 0.574 $\chi^2/\text{NDF}: 608.5/56$

All: 1.620 ± 0.406 $\chi^2/\text{NDF}: 2430.9/116$

- sign 3.408 ± 0.576 $\chi^2/\text{NDF}: 1803.1/59$

diff_bpm0r05Y_rms vs Slug



Right In: 3259.521 ± 0.529 $\chi^2/\text{NDF}: 2225028.4/31$

Left Out: 3907.465 ± 0.632 $\chi^2/\text{NDF}: 441202.5/24$

Right Out: 3341.408 ± 0.523 $\chi^2/\text{NDF}: 2036514.1/36$

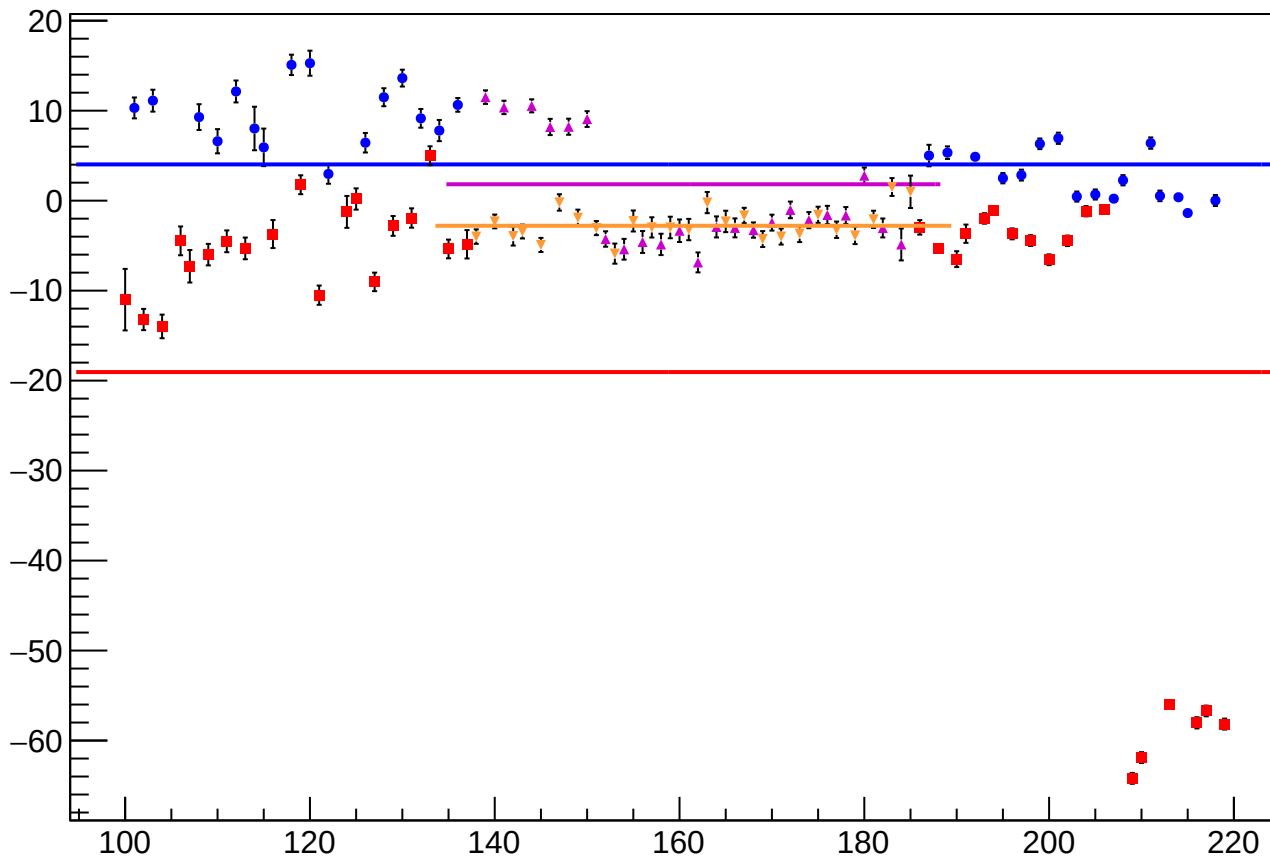
Left In: 3895.108 ± 0.648 $\chi^2/\text{NDF}: 409913.9/22$

+ sign 3526.462 ± 0.406 $\chi^2/\text{NDF}: 3284207.6/56$

All: 3543.104 ± 0.287 $\chi^2/\text{NDF}: 6176225.6/11$

- sign 3559.850 ± 0.407 $\chi^2/\text{NDF}: 2888641.8/59$

diff_bpm2i01X_mean vs Slug



Right In: 4.027 $\pm$ 0.132 χ^2 /NDF: 991.7/31

Left Out: -2.792 $\pm$ 0.190 χ^2 /NDF: 68.4/24

Right Out: -19.050 $\pm$ 0.128 χ^2 /NDF: 38134.9/36

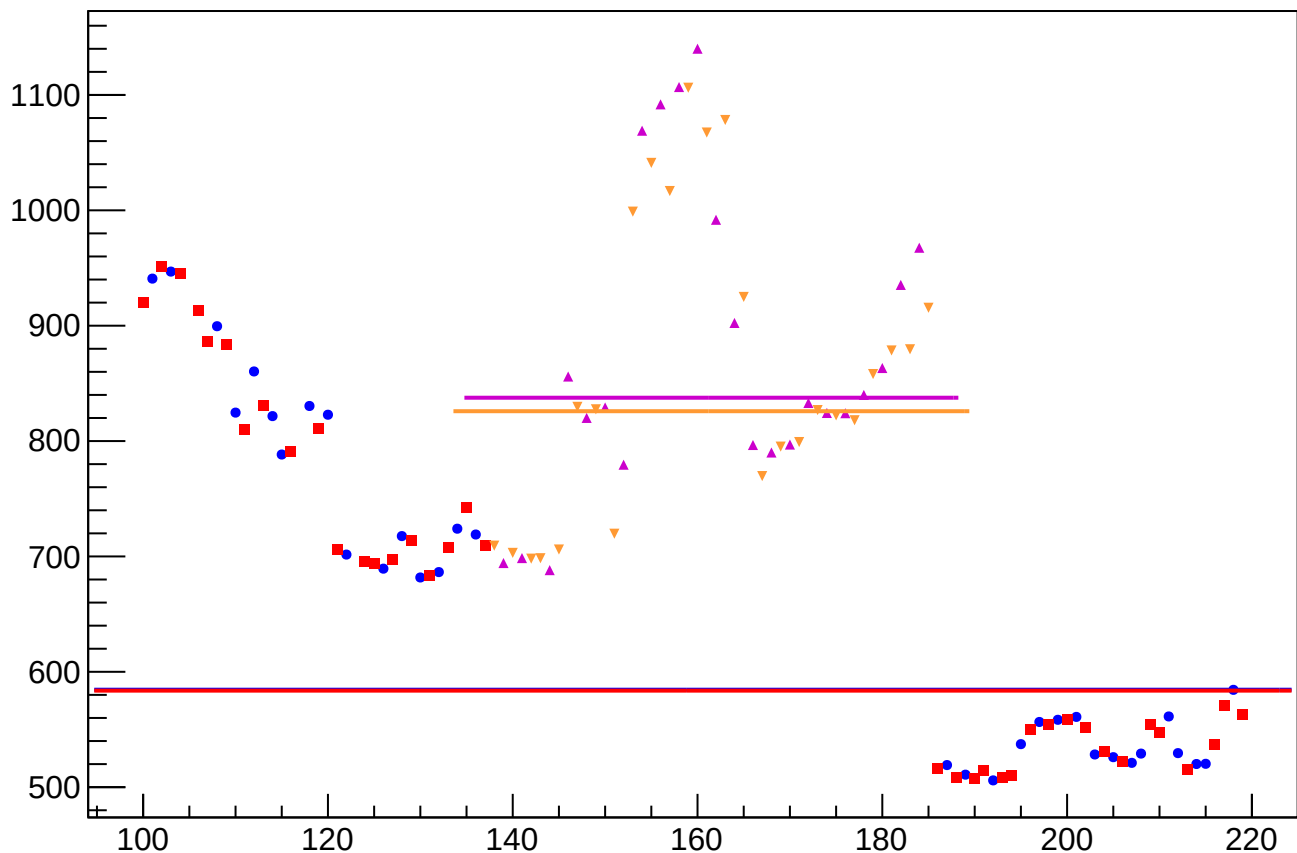
Left In: 1.820 $\pm$ 0.198 χ^2 /NDF: 1026.0/22

+ sign 1.805 $\pm$ 0.108 χ^2 /NDF: 1928.0/56

All: -5.634 $\pm$ 0.076 χ^2 /NDF: 58229.6/116

- sign -12.922 $\pm$ 0.107 χ^2 /NDF: 46995.3/59

diff_bpm2i01X_rms vs Slug



Right In: 584.483+/-0.093 χ^2/NDF : 1291842.7/31

Left Out: 825.883+/-0.134 χ^2/NDF : 765050.9/24

Right Out: 583.691+/-0.090 χ^2/NDF : 1400539.1/36

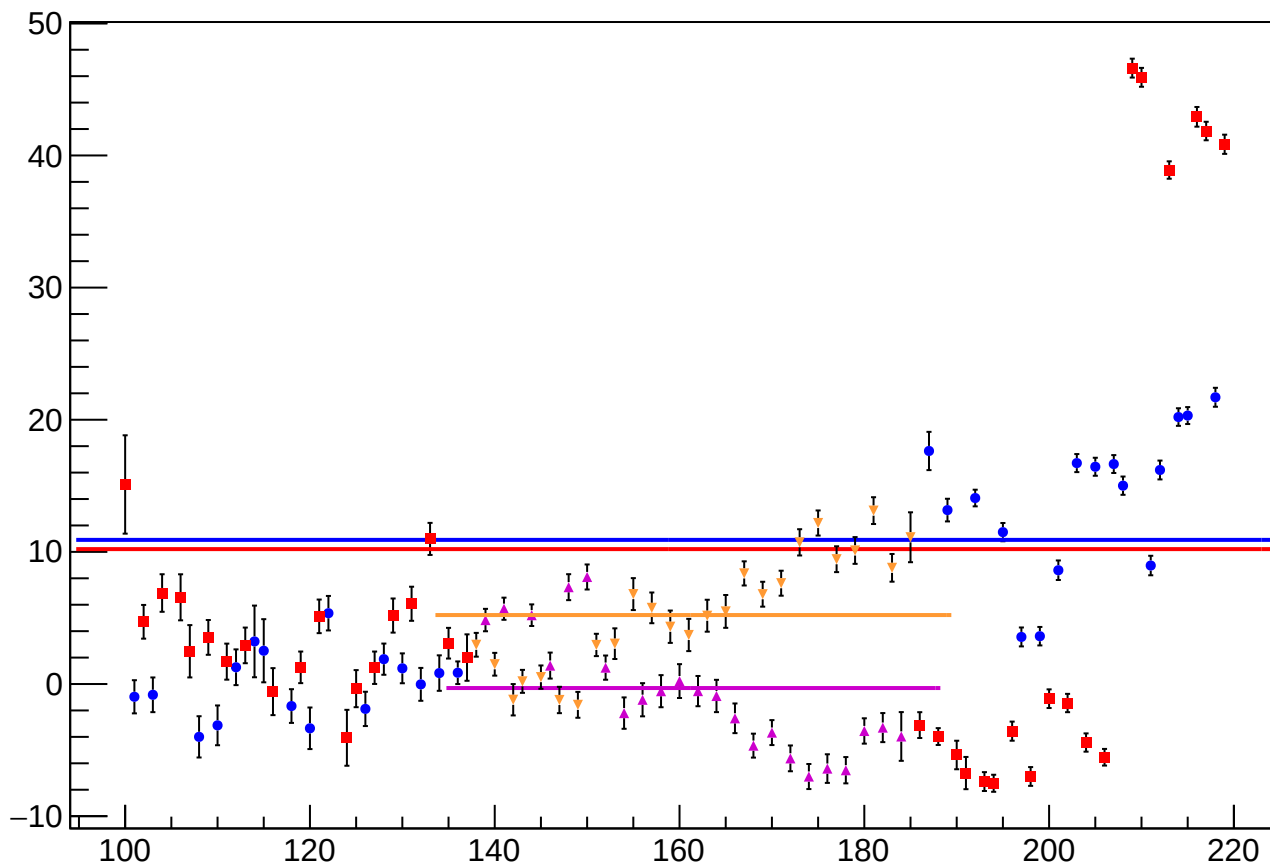
Left In: 837.569+/-0.140 χ^2/NDF : 714157.0/22

+ sign 663.144+/-0.077 χ^2/NDF : 4231740.5/56

All: 660.667+/-0.054 χ^2/NDF : 8667164.0/116

- sign 658.241+/-0.076 χ^2/NDF : 4433360.9/59

diff_bpm2i01Y_mean vs Slug



Right In: 10.909 ± 0.157 $\chi^2/\text{NDF}: 2339.4/31$

Left Out: 5.219 ± 0.204 $\chi^2/\text{NDF}: 449.9/24$

Right Out: 10.209 ± 0.152 $\chi^2/\text{NDF}: 18232.5/36$

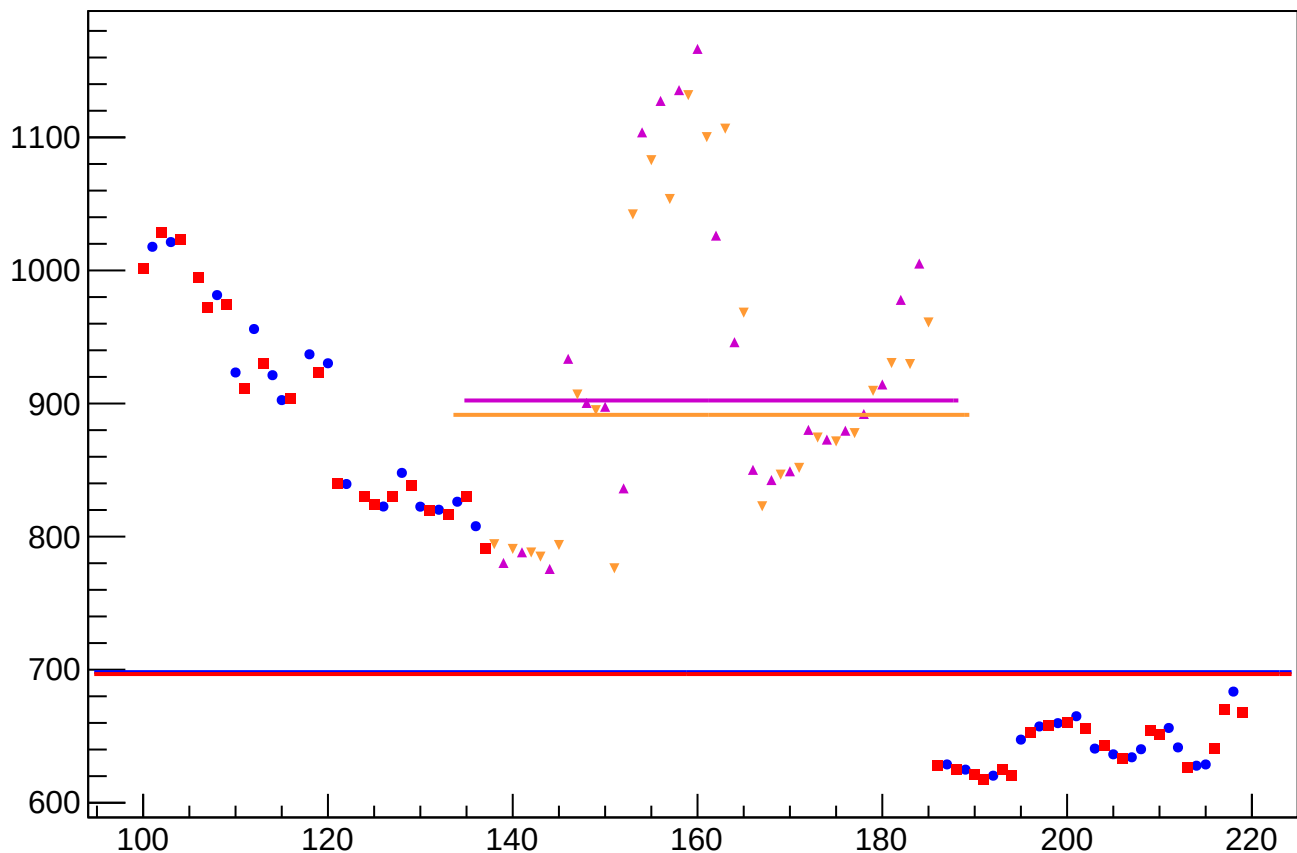
Left In: -0.304 ± 0.213 $\chi^2/\text{NDF}: 495.2/22$

+ sign 8.794 ± 0.125 $\chi^2/\text{NDF}: 3276.2/56$

All: 7.718 ± 0.088 $\chi^2/\text{NDF}: 23770.7/116$

- sign 6.658 ± 0.124 $\chi^2/\text{NDF}: 20346.4/59$

diff_bpm2i01Y_rms vs Slug



Right In: 698.148 $\pm$ 0.111 χ^2 /NDF: 949595.5/31

Left Out: 891.492 $\pm$ 0.145 χ^2 /NDF: 517791.6/24

Right Out: 696.708 $\pm$ 0.107 χ^2 /NDF: 1031488.8/36

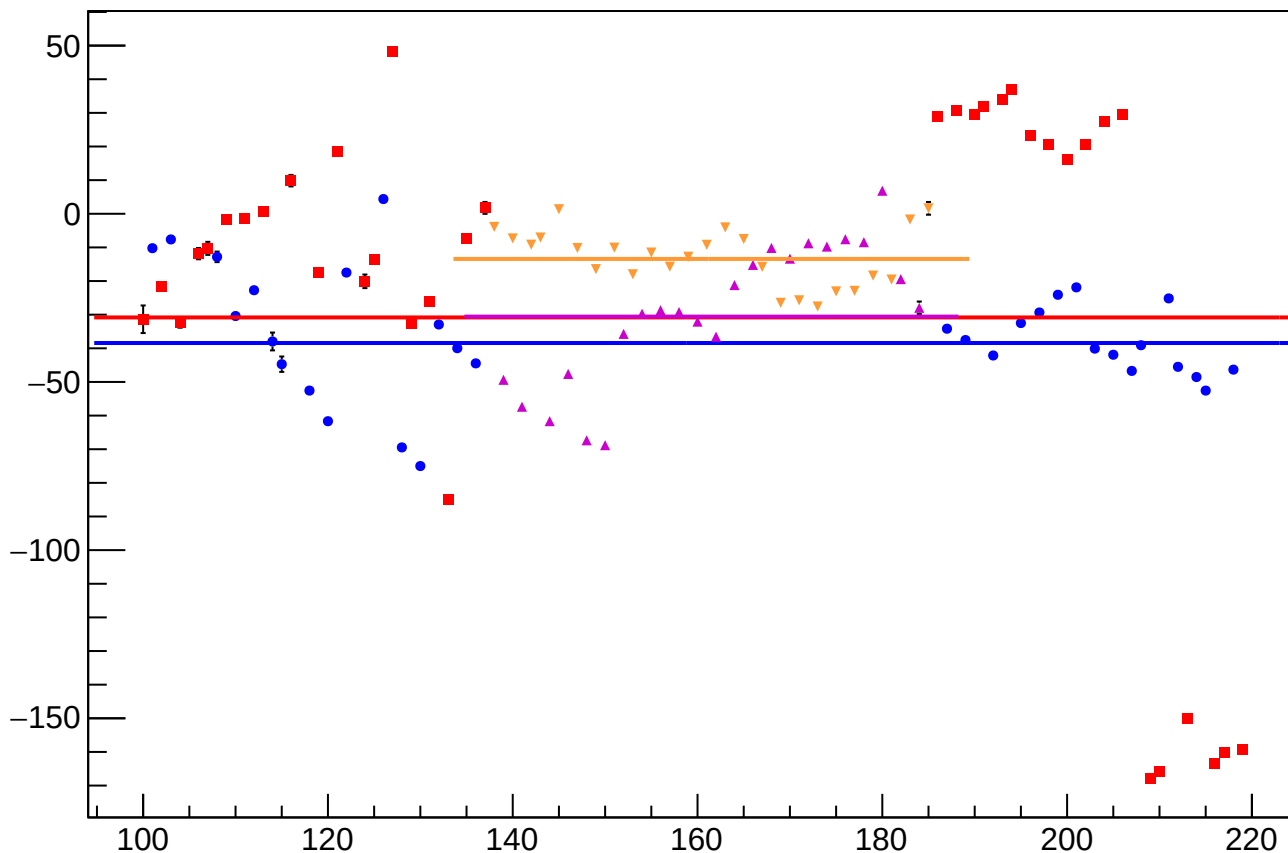
Left In: 902.292 $\pm$ 0.150 χ^2 /NDF: 484924.8/22

+ sign 770.007 $\pm$ 0.088 χ^2 /NDF: 2592114.2/56

All: 768.060 $\pm$ 0.062 χ^2 /NDF: 5347348.2/116

- sign 766.143 $\pm$ 0.087 χ^2 /NDF: 2754264.5/59

diff_bpm2i02X_mean vs Slug



Right In: -38.420 ± 0.155 $\chi^2/\text{NDF}: 7825.0/31$

Left Out: -13.420 ± 0.206 $\chi^2/\text{NDF}: 1663.3/24$

Right Out: -30.821 ± 0.150 $\chi^2/\text{NDF}: 286922.4/36$

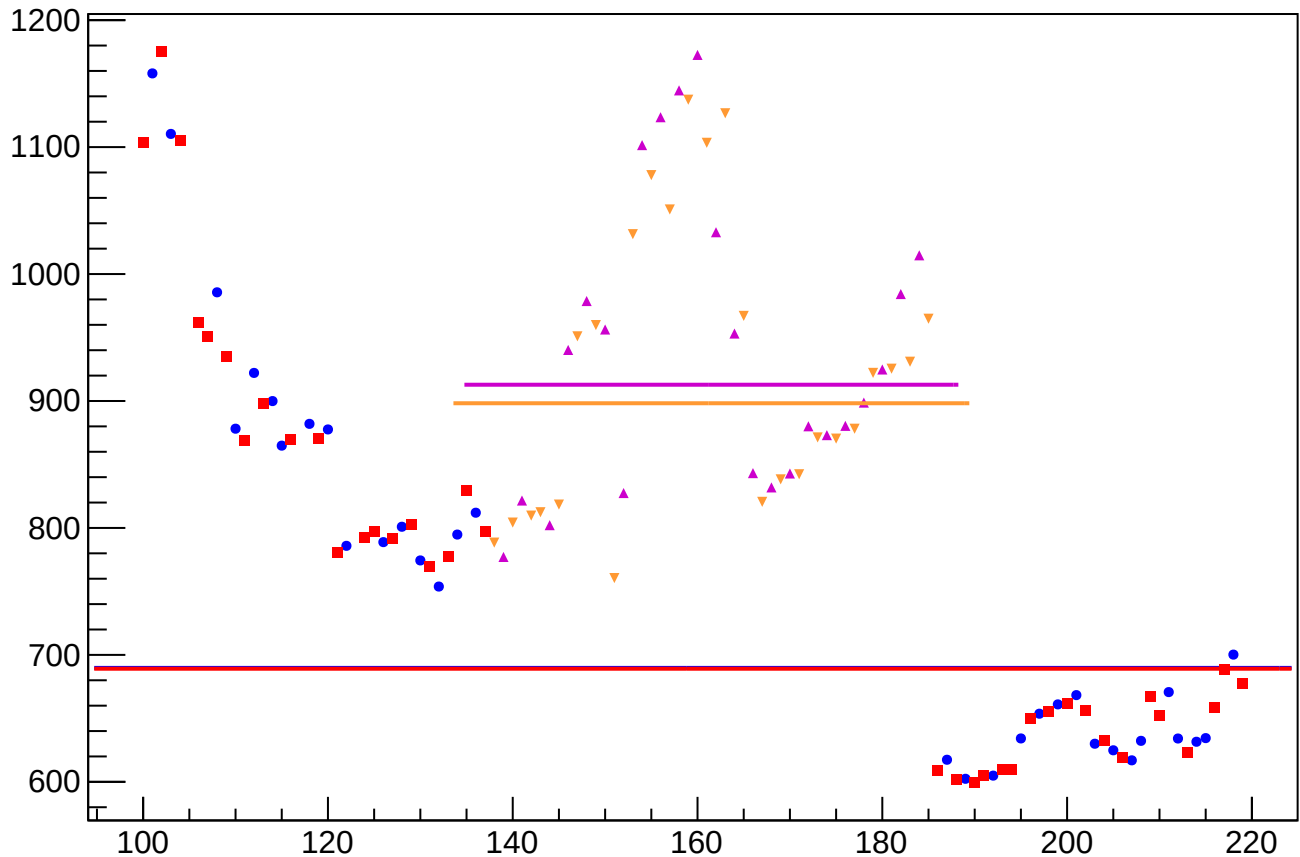
Left In: -30.571 ± 0.215 $\chi^2/\text{NDF}: 10386.5/22$

+ sign -29.355 ± 0.124 $\chi^2/\text{NDF}: 18880.0/56$

All: -30.052 ± 0.087 $\chi^2/\text{NDF}: 316252.5/116$

- sign -30.739 ± 0.123 $\chi^2/\text{NDF}: 297309.8/59$

diff_bpm2i02X_rms vs Slug



Right In: 689.750 ± 0.110 χ^2/NDF : 989609.3/31

Left Out: 898.227 ± 0.146 χ^2/NDF : 518370.6/24

Right Out: 689.113 ± 0.106 χ^2/NDF : 1063574.1/36

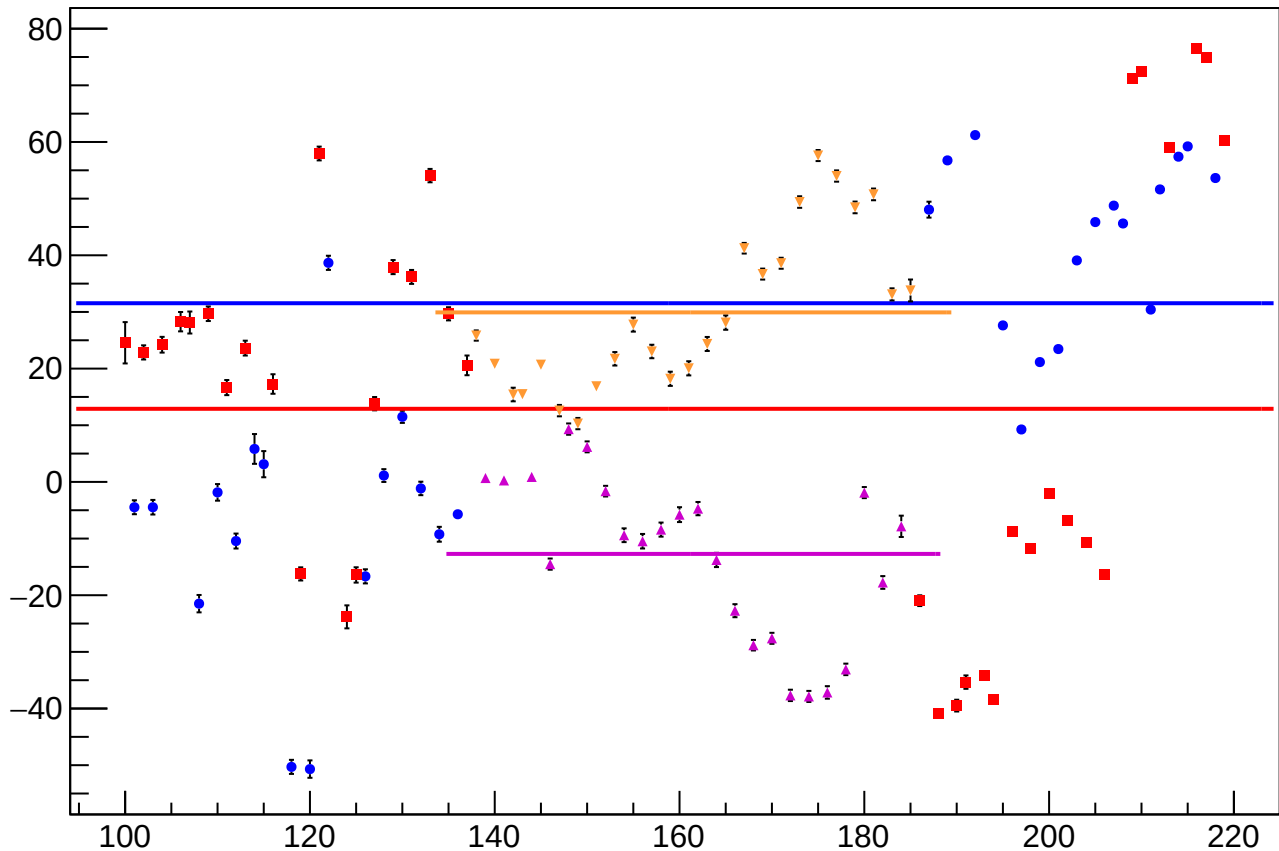
Left In: 912.817 ± 0.152 χ^2/NDF : 480021.0/22

+ sign 765.342 ± 0.088 χ^2/NDF : 2814230.6/56

All: 763.874 ± 0.062 χ^2/NDF : 5811649.9/116

- sign 762.426 ± 0.087 χ^2/NDF : 2996862.4/59

diff_bpm2i02Y_mean vs Slug



Right In: 31.539 $\pm$ 0.153 χ^2 /NDF: 29933.4/31

Left Out: 29.922 $\pm$ 0.209 χ^2 /NDF: 4580.4/24

Right Out: 12.904 $\pm$ 0.148 χ^2 /NDF: 76642.5/36

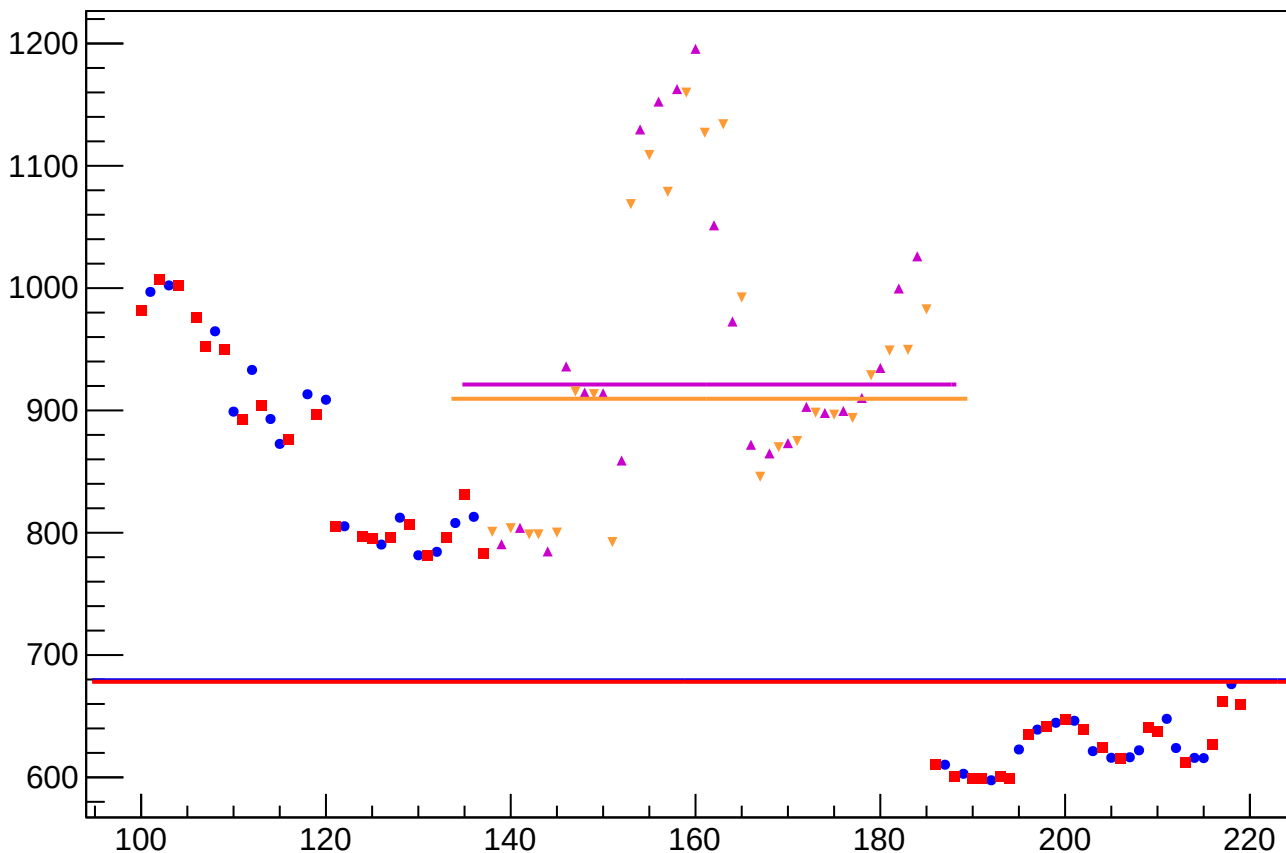
Left In: -12.708 $\pm$ 0.217 χ^2 /NDF: 4791.2/22

+ sign 30.973 $\pm$ 0.123 χ^2 /NDF: 34552.9/56

All: 17.760 $\pm$ 0.087 χ^2 /NDF: 148233.9/116

- sign 4.794 $\pm$ 0.122 χ^2 /NDF: 90941.9/59

diff_bpm2i02Y_rms vs Slug



Right In: 679.401 $\pm$ 0.108 χ^2 /NDF: 965826.7/31

Left Out: 909.552 $\pm$ 0.147 χ^2 /NDF: 541710.0/24

Right Out: 678.138 $\pm$ 0.105 χ^2 /NDF: 1044538.2/36

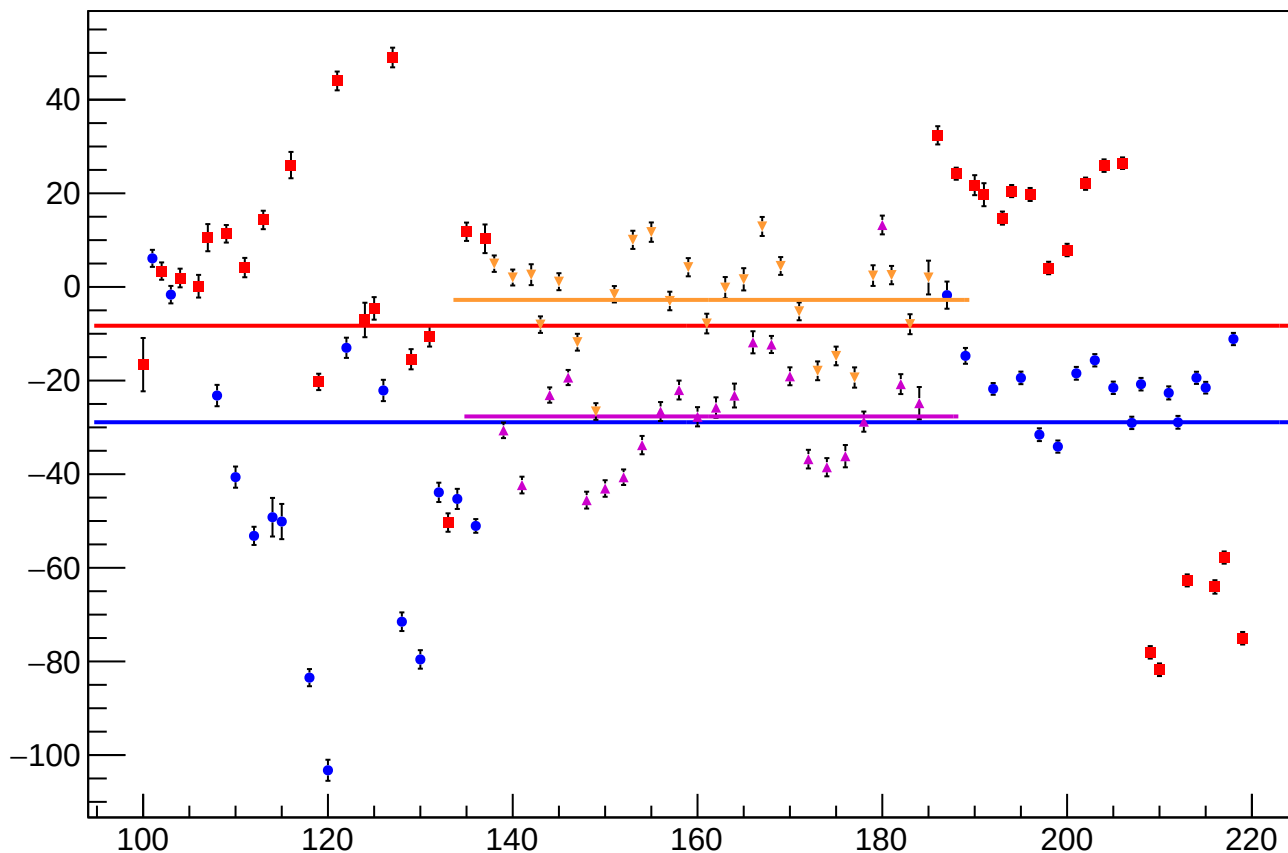
Left In: 921.198 $\pm$ 0.154 χ^2 /NDF: 497337.0/22

+ sign 759.894 $\pm$ 0.087 χ^2 /NDF: 3091298.4/56

All: 757.475 $\pm$ 0.061 χ^2 /NDF: 6347385.3/116

- sign 755.101 $\pm$ 0.086 χ^2 /NDF: 3254562.6/59

diff_bpm0i02X_mean vs Slug



Right In: -28.901 ± 0.287 $\chi^2/\text{NDF}: 5104.0/31$

Left Out: -2.767 ± 0.397 $\chi^2/\text{NDF}: 616.1/24$

Right Out: -8.286 ± 0.277 $\chi^2/\text{NDF}: 20328.9/36$

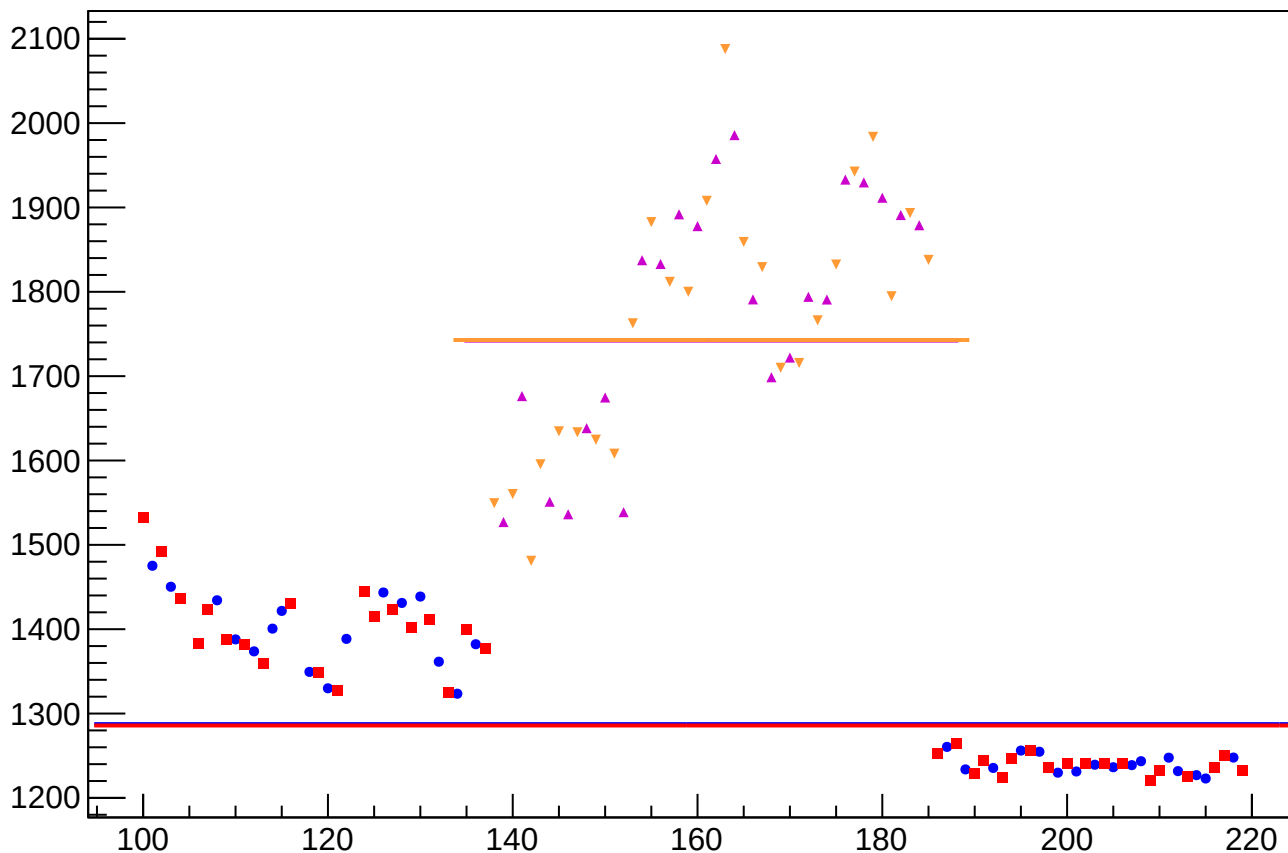
Left In: -27.663 ± 0.409 $\chi^2/\text{NDF}: 989.9/22$

+ sign -19.950 ± 0.233 $\chi^2/\text{NDF}: 8563.4/56$

All: -17.136 ± 0.163 $\chi^2/\text{NDF}: 31710.1/116$

- sign -14.395 ± 0.229 $\chi^2/\text{NDF}: 22857.7/59$

diff_bpm0i02X_rms vs Slug



Right In: 1287.447 $\pm$ 0.203 χ^2 /NDF: 149267.7/31

Left Out: 1742.842 $\pm$ 0.281 χ^2 /NDF:263118.4/24

Right Out: 1285.847 $\pm$ 0.196 χ^2 /NDF: 150609.1/36

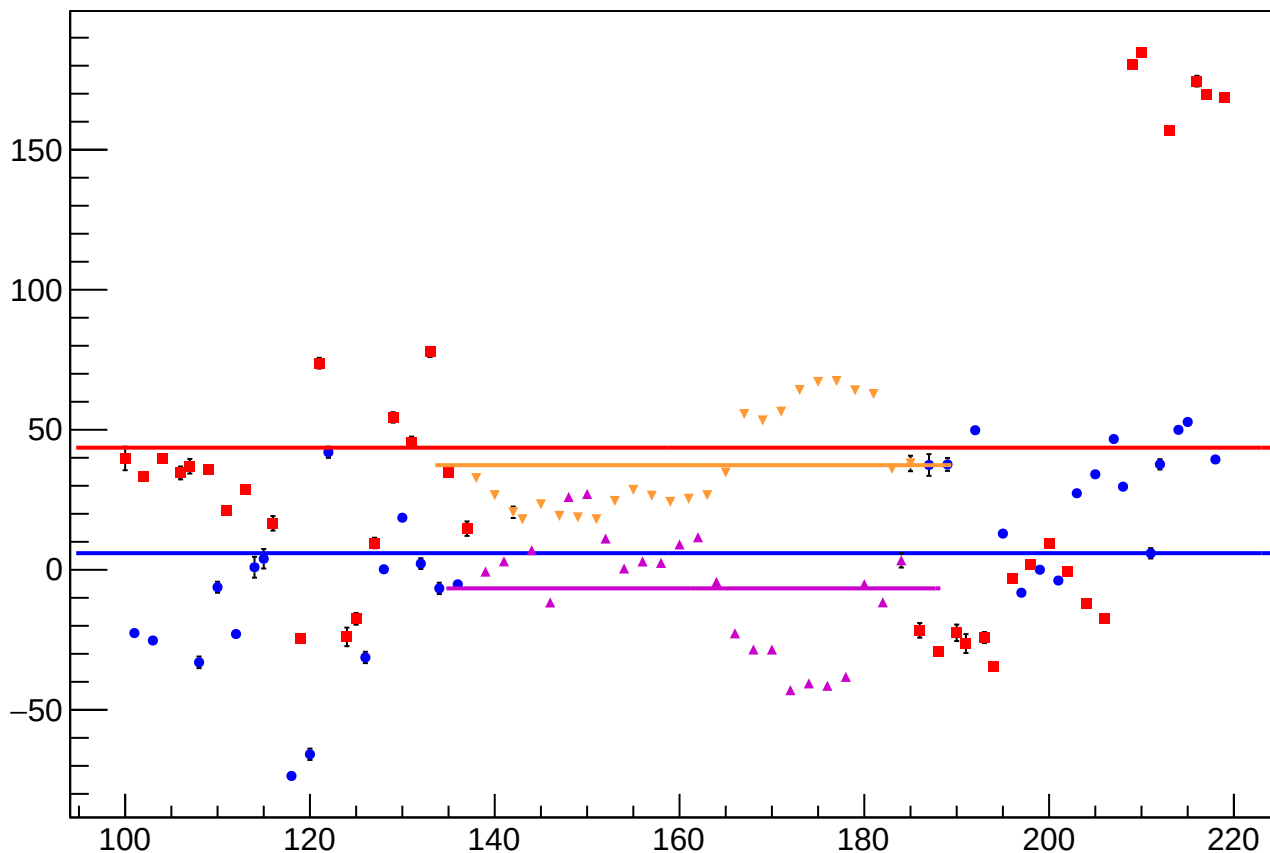
Left In: 1742.153 $\pm$ 0.289 χ^2 /NDF:261606.6/22

+ sign 1443.418 $\pm$ 0.164 χ^2 /NDF: 2139124.2/56

All: 1436.472 $\pm$ 0.116 χ^2 /NDF: 4261704.8/11

- sign 1429.709 $\pm$ 0.162 χ^2 /NDF: 2119059.8/59

diff_bpm0i02Y_mean vs Slug



Right In: 5.945 ± 0.321 $\chi^2/\text{NDF}: 10043.9/31$

Left Out: 37.369 ± 0.308 $\chi^2/\text{NDF}: 3395.8/24$

Right Out: 43.611 ± 0.311 $\chi^2/\text{NDF}: 49056.0/36$

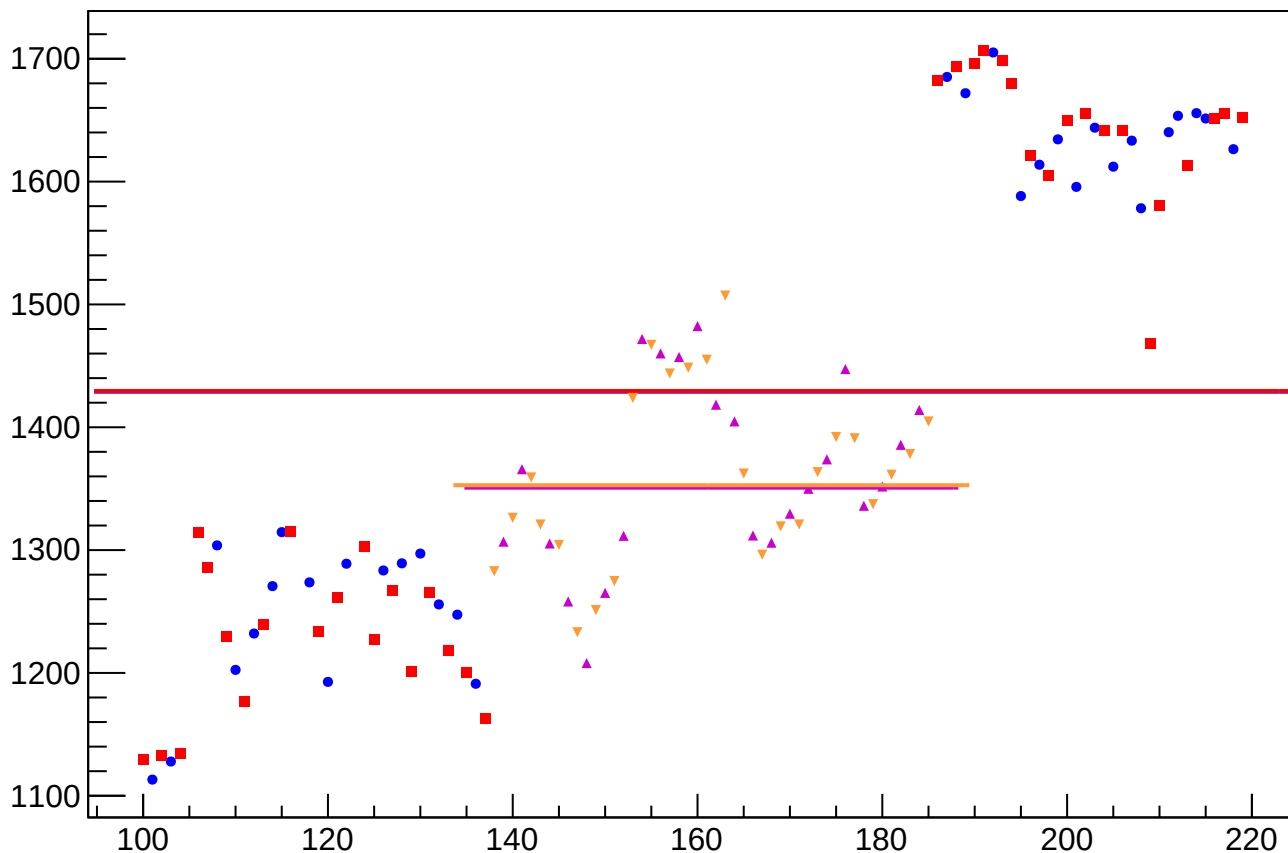
Left In: -6.631 ± 0.316 $\chi^2/\text{NDF}: 4410.3/22$

+ sign 22.330 ± 0.222 $\chi^2/\text{NDF}: 18425.8/56$

All: 20.595 ± 0.157 $\chi^2/\text{NDF}: 84837.2/116$

- sign 18.868 ± 0.222 $\chi^2/\text{NDF}: 66289.8/59$

diff_bpm0i02Y_rms vs Slug



Right In: 1429.008 $\pm$ 0.227 χ^2 /NDF: 861871.1/31

Left Out: 1352.820 $\pm$ 0.218 χ^2 /NDF:104845.3/24

Right Out: 1429.482 $\pm$ 0.220 χ^2 /NDF: 965508.0/36

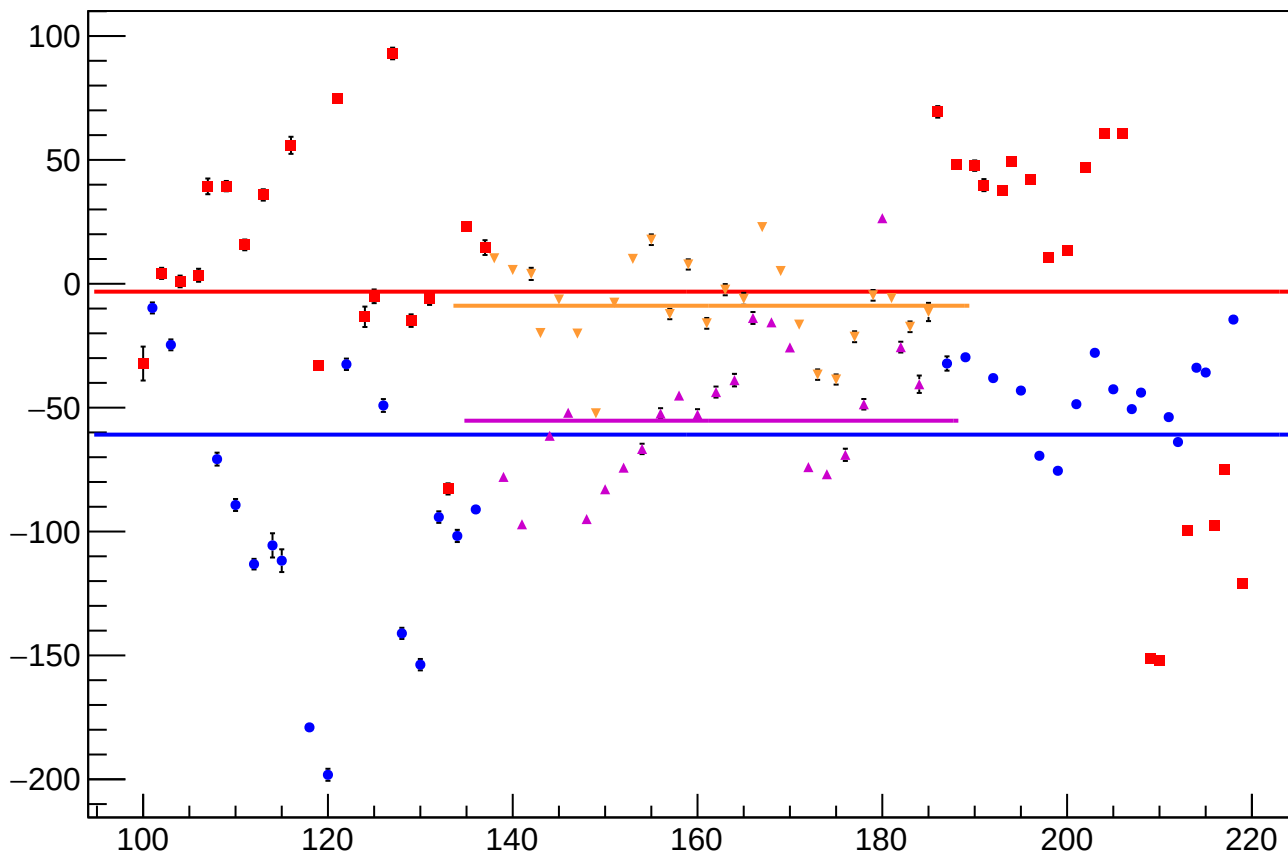
Left In: 1350.830 $\pm$ 0.223 χ^2 /NDF:108618.5/22

+ sign 1389.282 $\pm$ 0.157 χ^2 /NDF: 1025334.8/56

All: 1390.016 $\pm$ 0.111 χ^2 /NDF: 2162358.1/111

- sign 1390.748 $\pm$ 0.157 χ^2 /NDF: 1136979.8/59

diff_bpm0i02aX_mean vs Slug



Right In: -60.884 ± 0.324 $\chi^2/\text{NDF}: 15694.9/31$

Left Out: -8.859 ± 0.407 $\chi^2/\text{NDF}: 1953.2/24$

Right Out: -3.178 ± 0.310 $\chi^2/\text{NDF}: 50722.2/36$

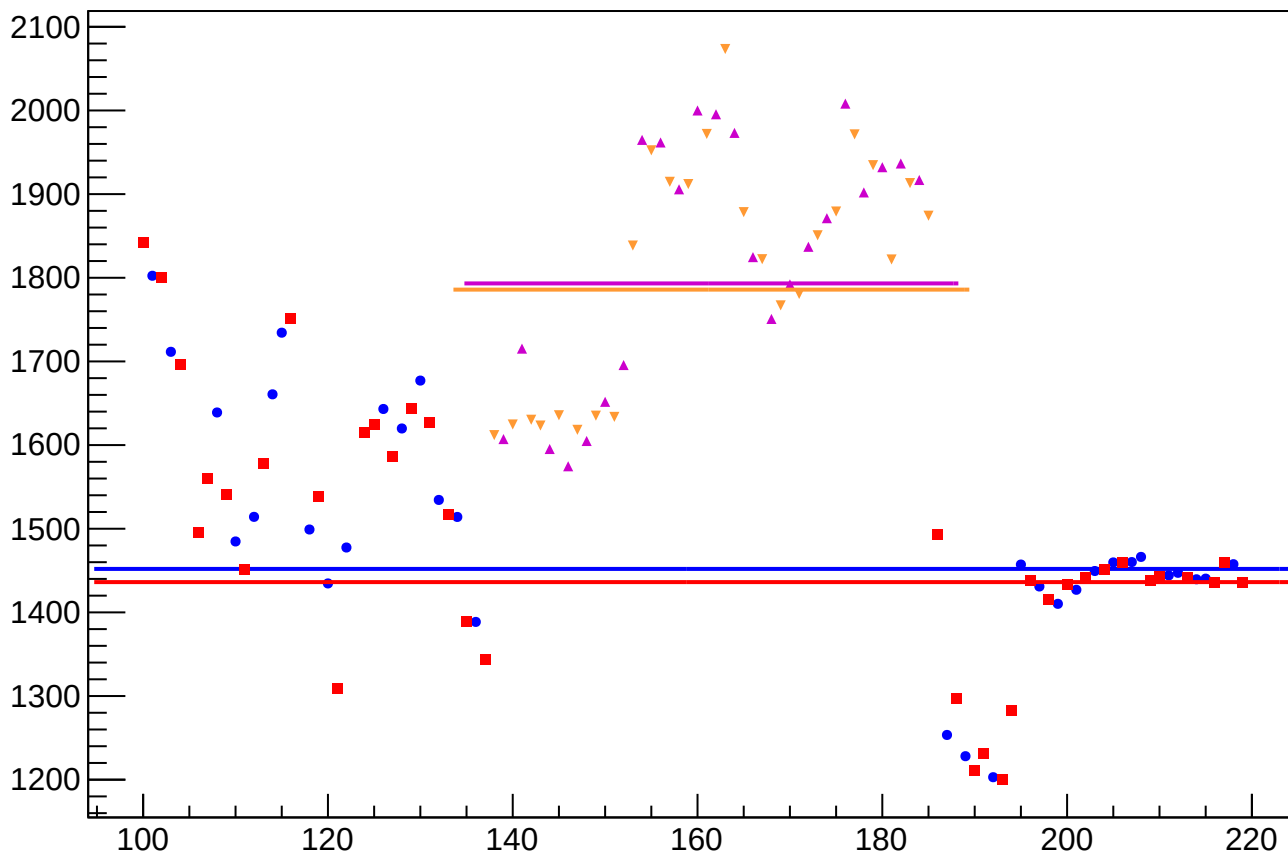
Left In: -55.266 ± 0.420 $\chi^2/\text{NDF}: 4736.1/22$

+ sign -40.710 ± 0.254 $\chi^2/\text{NDF}: 27642.5/56$

All: -30.988 ± 0.178 $\chi^2/\text{NDF}: 95929.2/116$

- sign -21.555 ± 0.250 $\chi^2/\text{NDF}: 65390.1/59$

diff_bpm0i02aX_rms vs Slug



Right In: 1451.960+/-0.229 χ^2/NDF : 282075.6/31

Left Out: 1785.836+/-0.288 χ^2/NDF : 237239.4/24

Right Out: 1436.196+/-0.220 χ^2/NDF : 331455.5/36

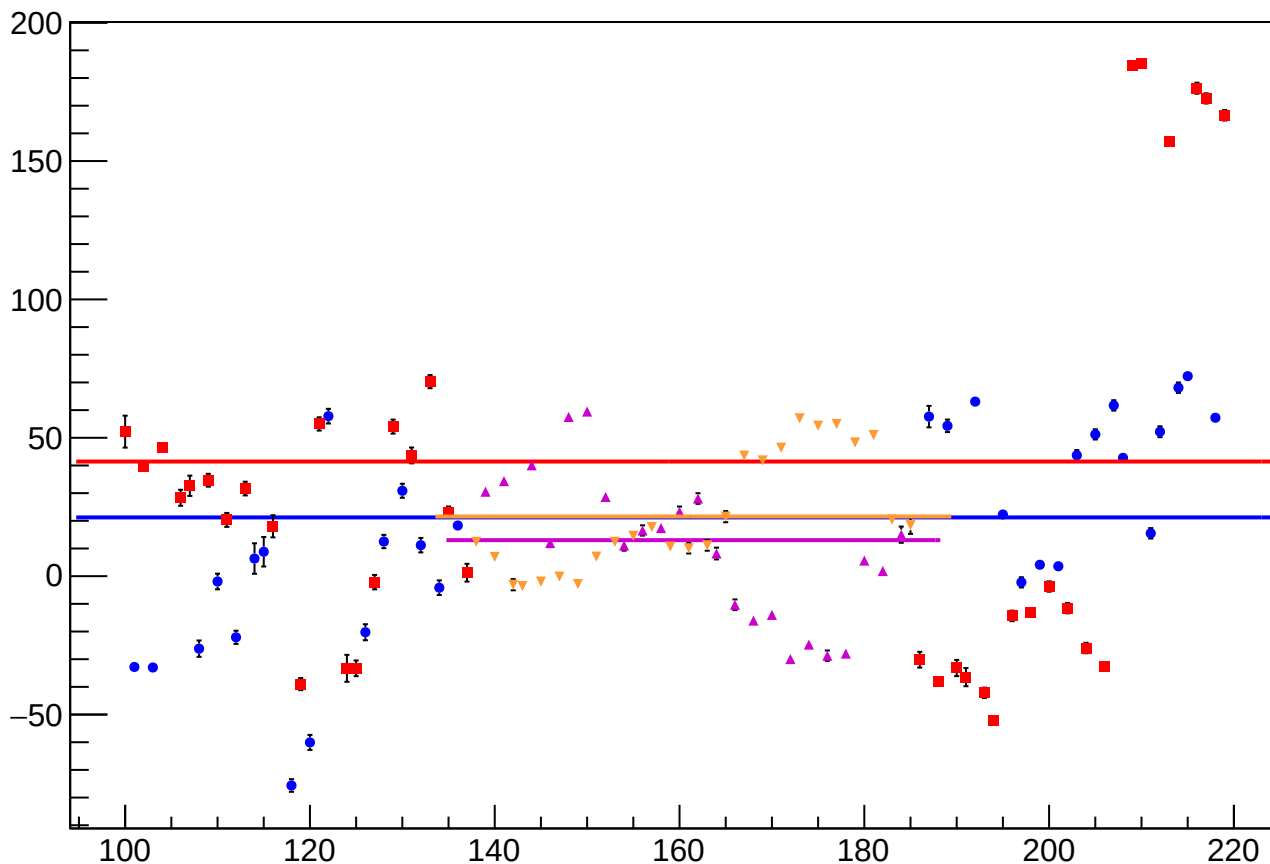
Left In: 1793.249+/-0.297 χ^2/NDF : 252788.2/22

+ sign 1581.431+/-0.179 χ^2/NDF : 1342580.7/56

All: 1571.652+/-0.126 χ^2/NDF : 2866036.7/11

- sign 1562.165+/-0.177 χ^2/NDF : 1517595.5/59

diff_bpm0i02aY_mean vs Slug



Right In: 21.233+/-0.373 χ^2/NDF : 10120.7/31

Left Out: 21.567+/-0.330 χ^2/NDF : 4160.8/24

Right Out: 41.421+/-0.358 χ^2/NDF : 51603.4/36

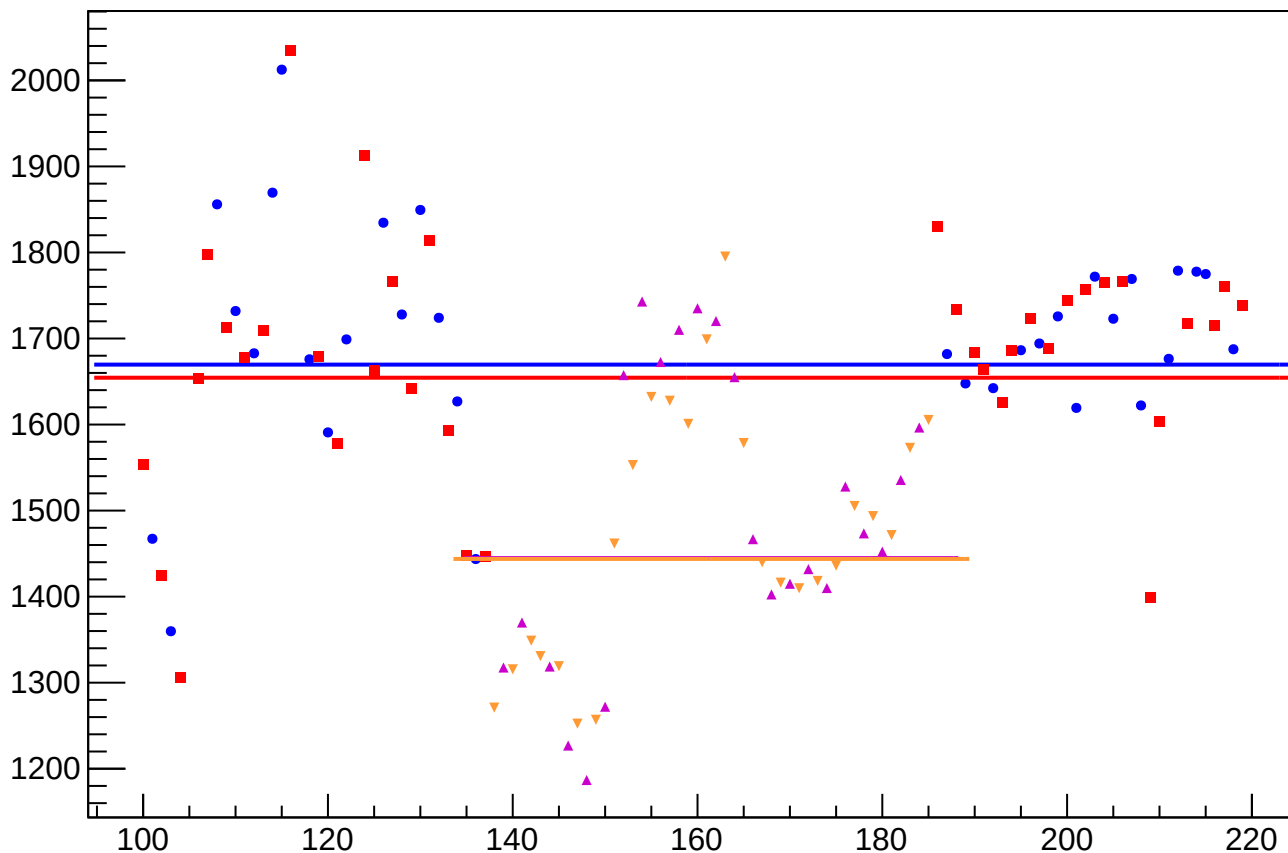
Left In: 13.014+/-0.340 χ^2/NDF : 6627.2/22

+ sign 21.420+/-0.247 χ^2/NDF : 14281.9/56

All: 23.963+/-0.175 χ^2/NDF : 76035.9/116

- sign 26.494+/-0.246 χ^2/NDF : 61542.7/59

diff_bpm0i02aY_rms vs Slug



Right In: 1669.655 $\pm$ 0.264 χ^2 /NDF: 211236.0/31

Left Out: 1443.826 $\pm$ 0.233 χ^2 /NDF: 352397.9/24

Right Out: 1654.432 $\pm$ 0.253 χ^2 /NDF: 295176.4/36

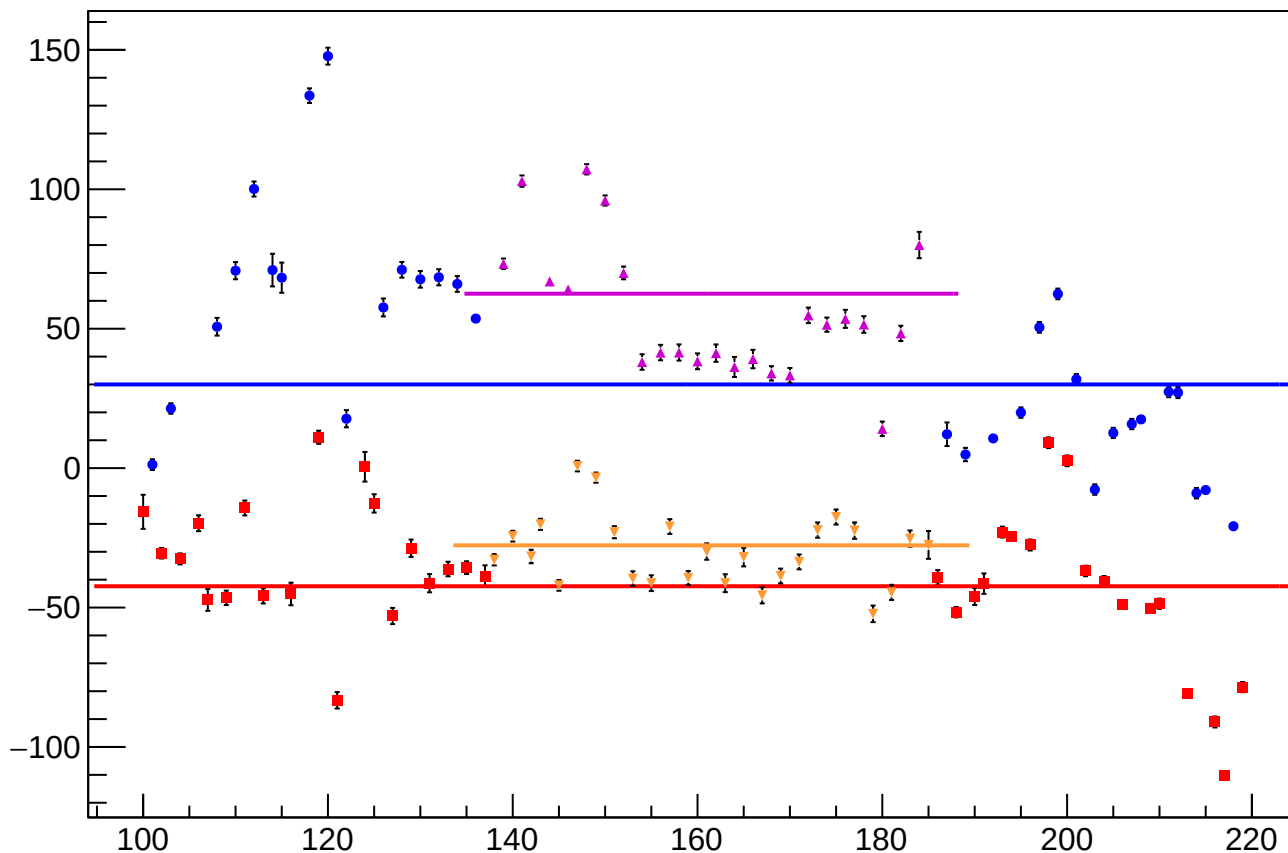
Left In: 1444.817 $\pm$ 0.240 χ^2 /NDF: 485230.7/22

+ sign 1542.994 $\pm$ 0.175 χ^2 /NDF: 975133.5/56

All: 1543.640 $\pm$ 0.123 χ^2 /NDF: 2116215.8/11

- sign 1544.282 $\pm$ 0.174 χ^2 /NDF: 1141055.1/59

diff_bpm0i05X_mean vs Slug



Right In: 30.018 $\pm$ 0.393 χ^2 /NDF: 8239.2/31

Left Out: -27.692 $\pm$ 0.496 χ^2 /NDF: 766.1/24

Right Out: -42.357 $\pm$ 0.376 χ^2 /NDF: 5650.1/36

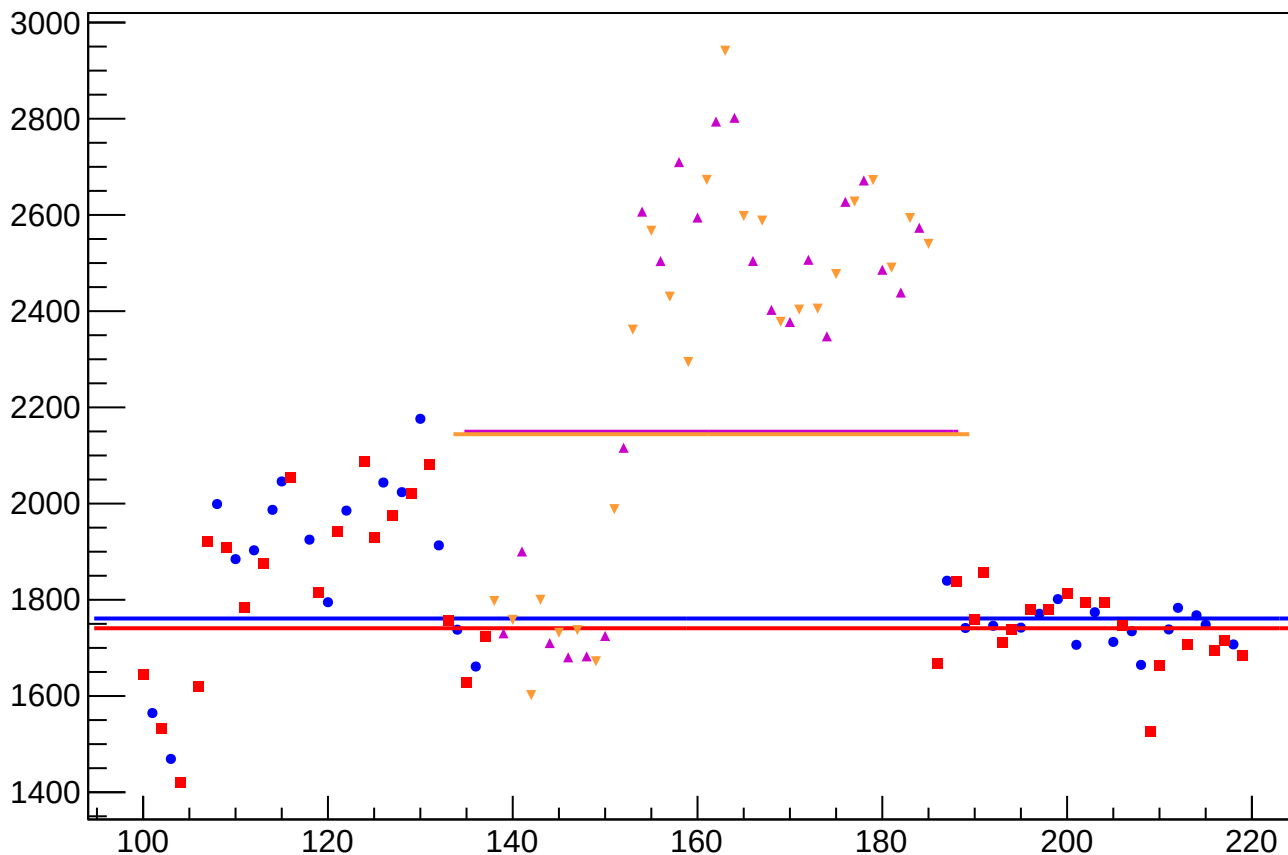
Left In: 62.558 $\pm$ 0.512 χ^2 /NDF: 2458.2/22

+ sign 7.756 $\pm$ 0.308 χ^2 /NDF: 17319.8/56

All: 0.993 $\pm$ 0.216 χ^2 /NDF: 53663.0/116

- sign -5.554 $\pm$ 0.303 χ^2 /NDF: 35394.6/59

diff_bpm0i05X_rms vs Slug



Right In: 1761.141+/-0.278 χ^2/NDF : 212600.7/31

Left Out: 2144.219+/-0.351 χ^2/NDF :1279852.9/24

Right Out: 1740.870+/-0.266 χ^2/NDF : 250593.0/36

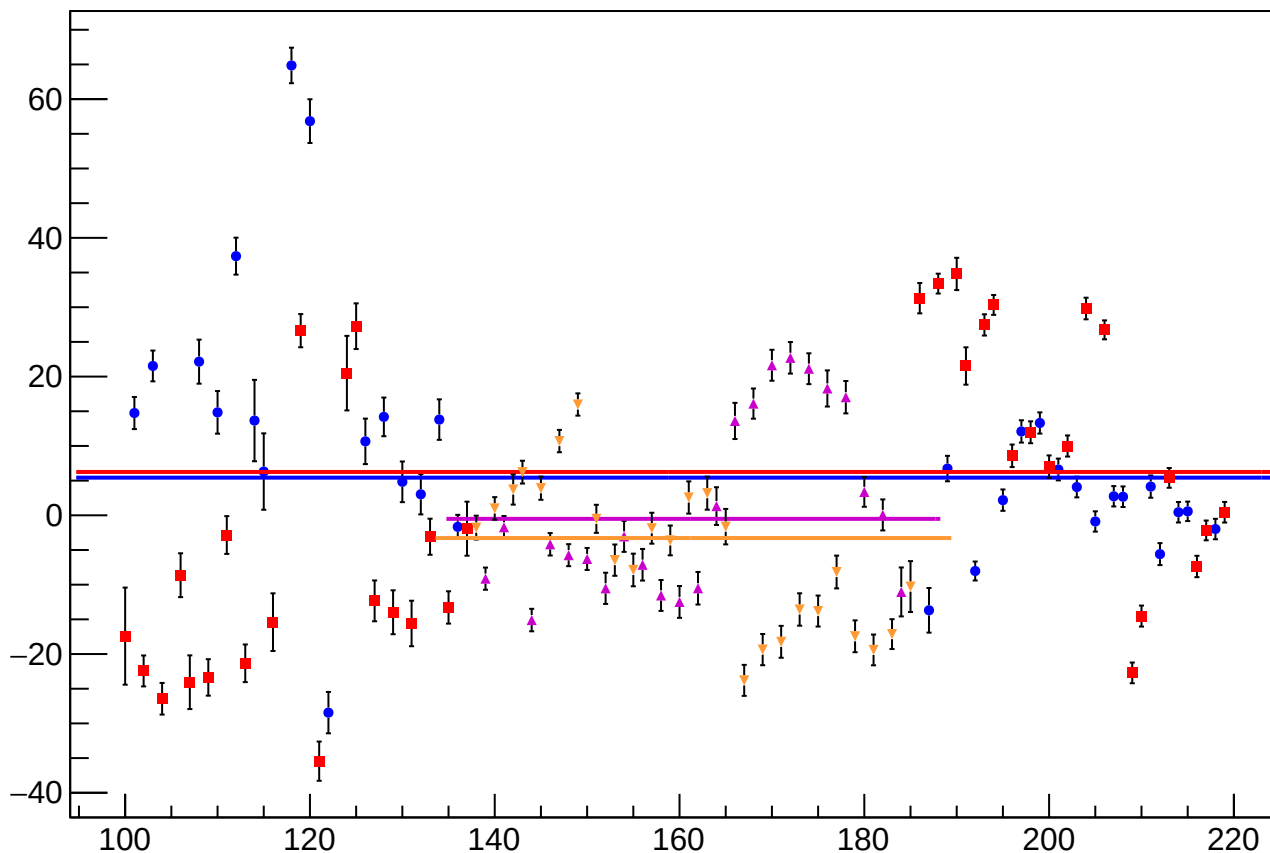
Left In: 2149.354+/-0.362 χ^2/NDF :1265722.5/22

+ sign 1908.910+/-0.218 χ^2/NDF : 2225186.0/56

All: 1896.334+/-0.153 χ^2/NDF : 4575339.9/11

- sign 1884.162+/-0.214 χ^2/NDF : 2343595.8/59

diff_bpm0i05Y_mean vs Slug



Right In: 5.431 ± 0.339 $\chi^2/\text{NDF}: 1527.4/31$

Left Out: -3.275 ± 0.415 $\chi^2/\text{NDF}: 671.1/24$

Right Out: 6.250 ± 0.326 $\chi^2/\text{NDF}: 3602.7/36$

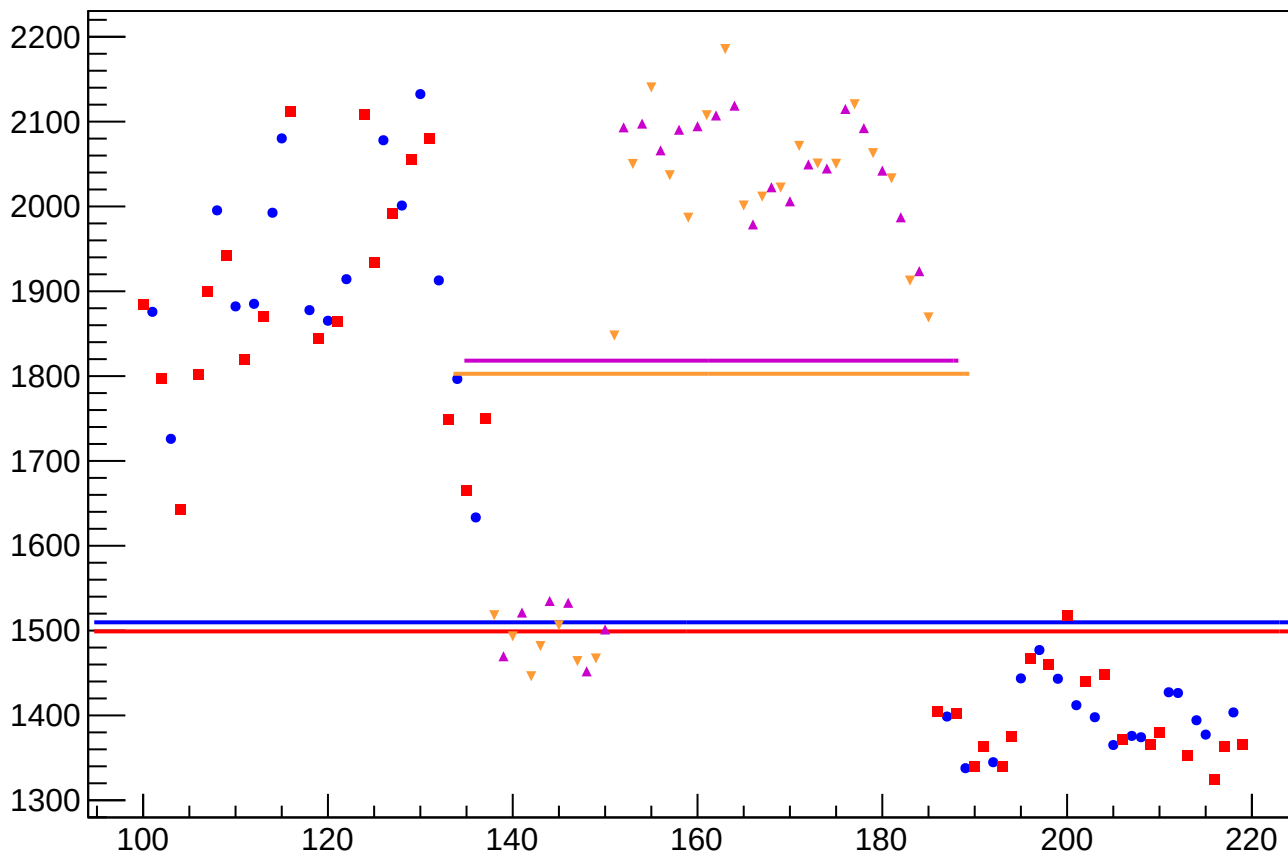
Left In: -0.511 ± 0.430 $\chi^2/\text{NDF}: 745.8/22$

+ sign 1.939 ± 0.263 $\chi^2/\text{NDF}: 2462.6/56$

All: 2.870 ± 0.185 $\chi^2/\text{NDF}: 6993.0/116$

- sign 3.780 ± 0.260 $\chi^2/\text{NDF}: 4505.5/59$

diff_bpm0i05Y_rms vs Slug



Right In: 1509.766 $\pm$ 0.240 χ^2 /NDF: 784275.5/31

Left Out: 1802.748 $\pm$ 0.293 χ^2 /NDF: 897375.1/24

Right Out: 1499.042 $\pm$ 0.231 χ^2 /NDF: 806635.7/36

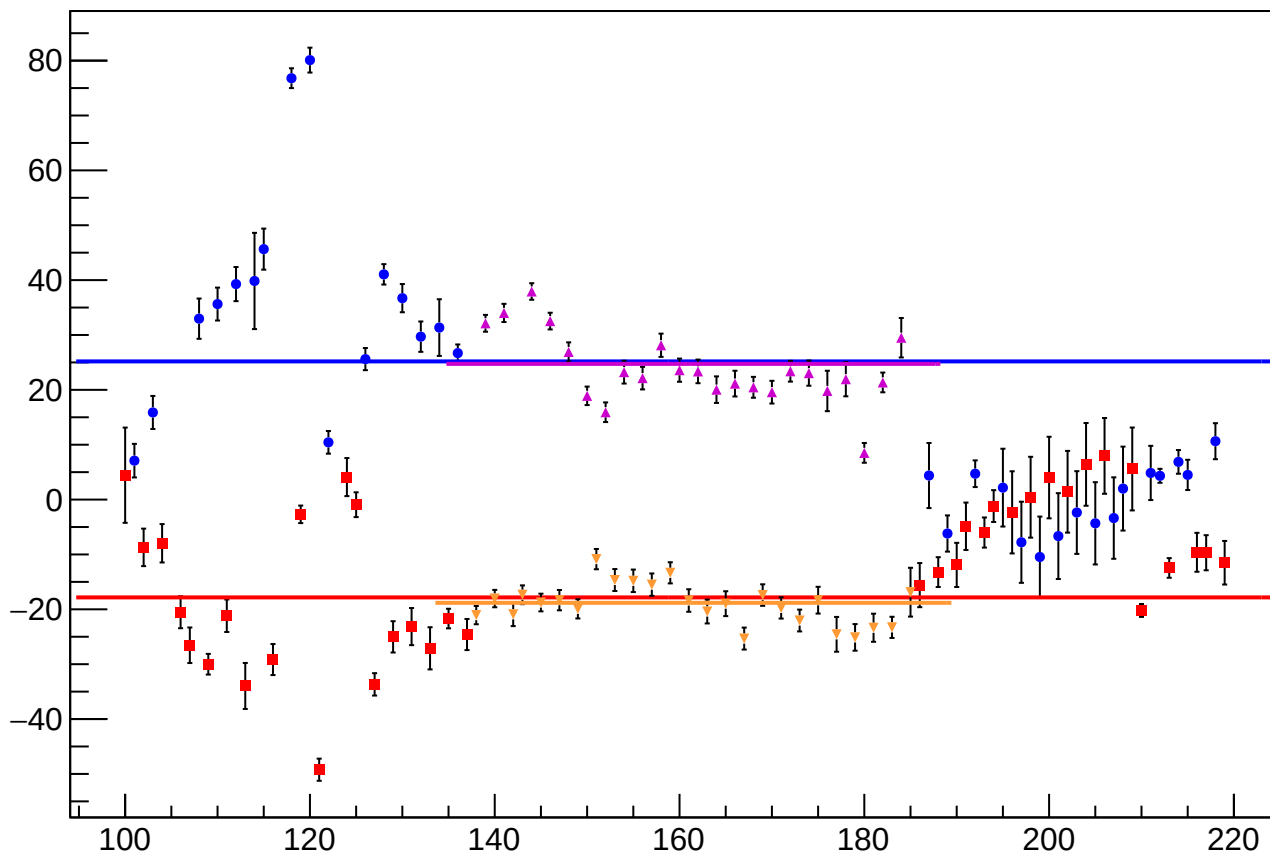
Left In: 1818.225 $\pm$ 0.304 χ^2 /NDF: 840353.0/22

+ sign 1627.280 $\pm$ 0.186 χ^2 /NDF: 2279686.7/56

All: 1621.402 $\pm$ 0.131 χ^2 /NDF: 4628760.9/11

- sign 1615.650 $\pm$ 0.184 χ^2 /NDF: 2347091.4/59

diff_bpm0i07X_mean vs Slug



Right In: 25.183 $\pm$ 0.493 χ^2 /NDF: 2395.5/31

Left Out: -18.816 $\pm$ 0.402 χ^2 /NDF: 74.9/24

Right Out: -17.828 $\pm$ 0.456 χ^2 /NDF: 770.0/36

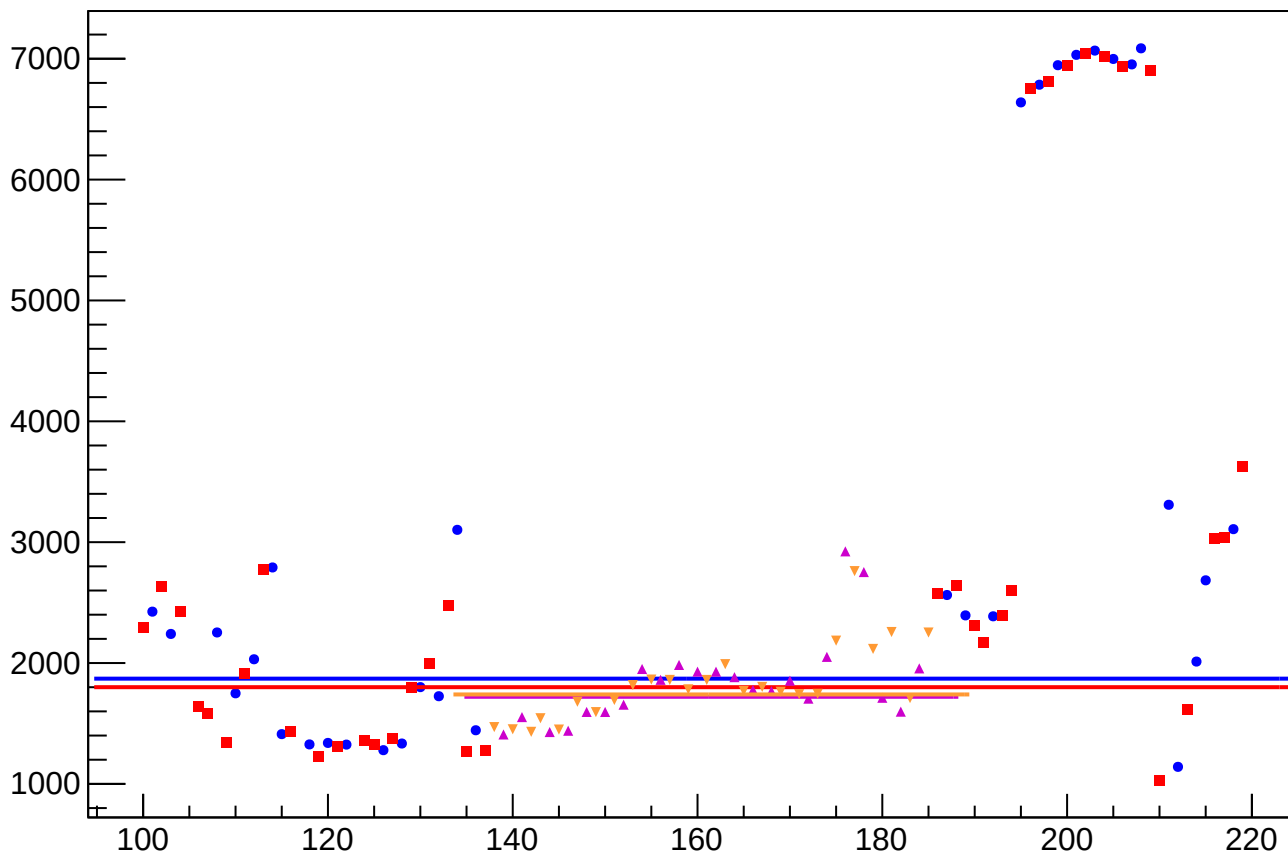
Left In: 24.731 $\pm$ 0.409 χ^2 /NDF: 308.0/22

+ sign -1.257 $\pm$ 0.312 χ^2 /NDF: 7252.8/56

All: 2.329 $\pm$ 0.218 χ^2 /NDF: 13424.4/116

- sign 5.749 $\pm$ 0.304 χ^2 /NDF: 5912.7/59

diff_bpm0i07X_rms vs Slug



Right In: 1870.835 $\pm$ 0.349 χ^2 /NDF: 10037965.7/31

Left Out: 1740.089 $\pm$ 0.284 χ^2 /NDF: 753377.5/24

Right Out: 1800.189 $\pm$ 0.322 χ^2 /NDF: 10500152.6/36

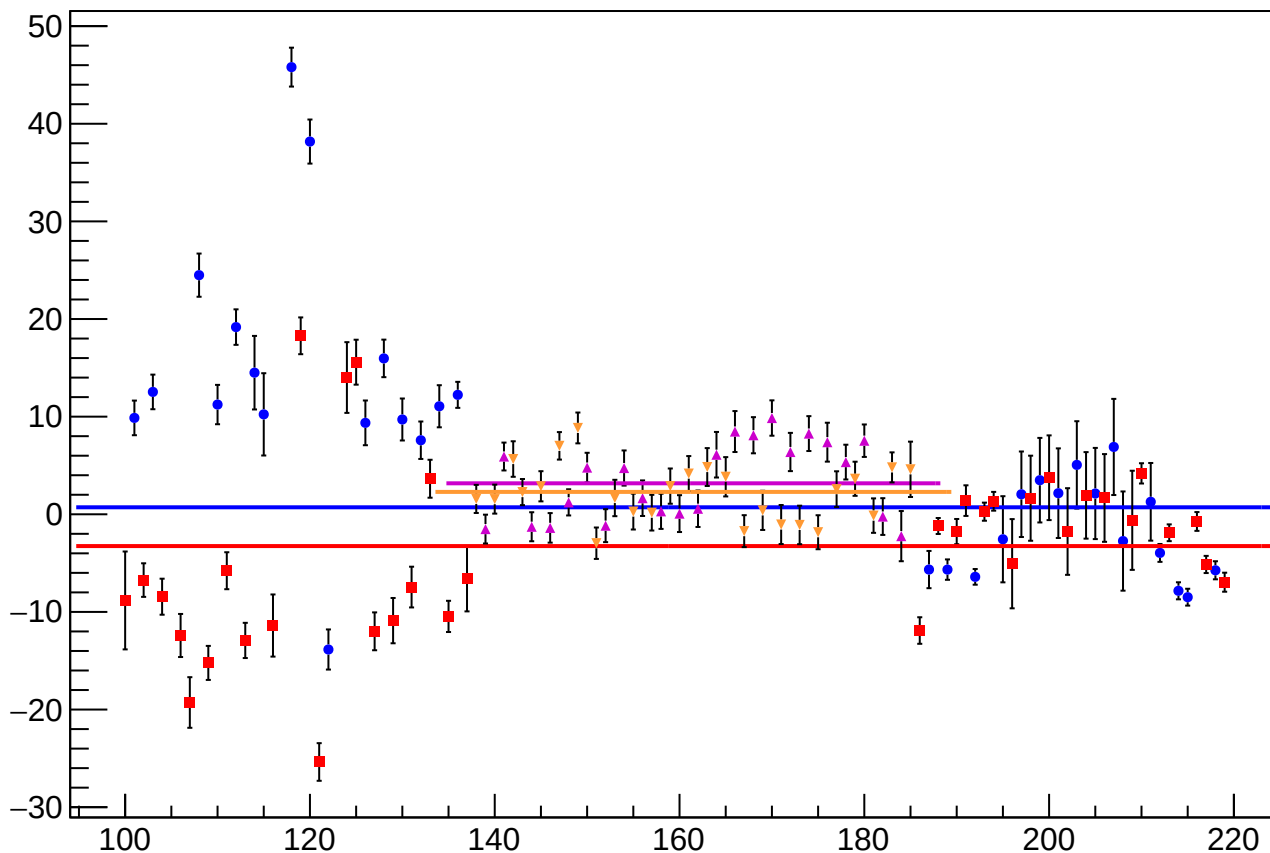
Left In: 1720.864 $\pm$ 0.289 χ^2 /NDF: 883990.4/22

+ sign 1792.266 $\pm$ 0.220 χ^2 /NDF: 10875802.6/56

All: 1773.827 $\pm$ 0.154 χ^2 /NDF: 22307221.3/100

- sign 1756.245 $\pm$ 0.215 χ^2 /NDF: 11417735.3/59

diff_bpm0i07Y_mean vs Slug



Right In: 0.716 ± 0.287 $\chi^2/\text{NDF}: 1794.3/31$

Left Out: 2.293 ± 0.343 $\chi^2/\text{NDF}: 73.5/24$

Right Out: -3.256 ± 0.253 $\chi^2/\text{NDF}: 754.9/36$

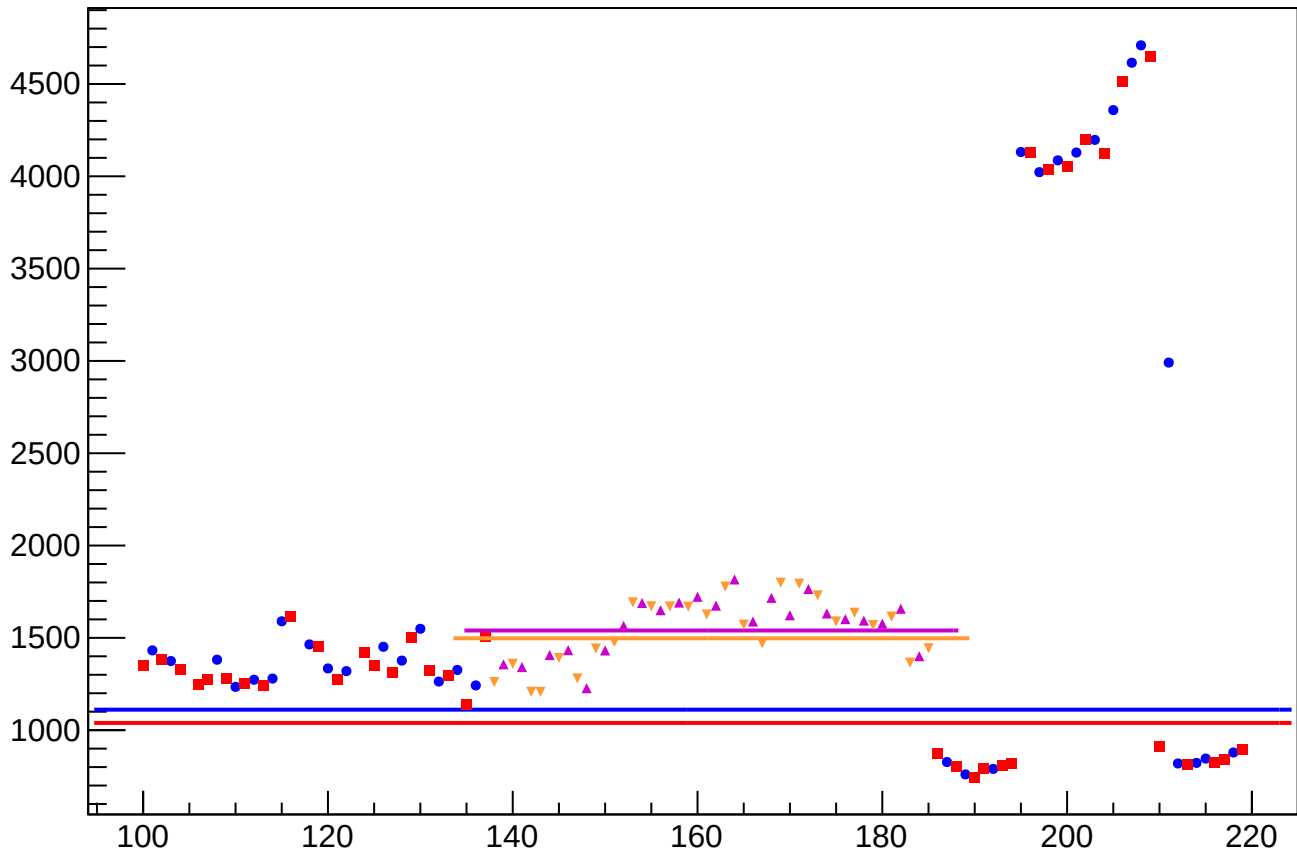
Left In: 3.173 ± 0.362 $\chi^2/\text{NDF}: 110.4/22$

+ sign 1.365 ± 0.220 $\chi^2/\text{NDF}: 1880.2/56$

All: 0.032 ± 0.151 $\chi^2/\text{NDF}: 3026.1/116$

- sign -1.149 ± 0.207 $\chi^2/\text{NDF}: 1076.8/59$

diff_bpm0i07Y_rms vs Slug



Right In: 1111.075 $\pm$ 0.203 χ^2 /NDF: 9849773.2/31

Left Out: 1497.713 $\pm$ 0.243 χ^2 /NDF: 568629.4/24

+ sign 1270.127 $\pm$ 0.156 χ^2 /NDF: 11910149.7/56

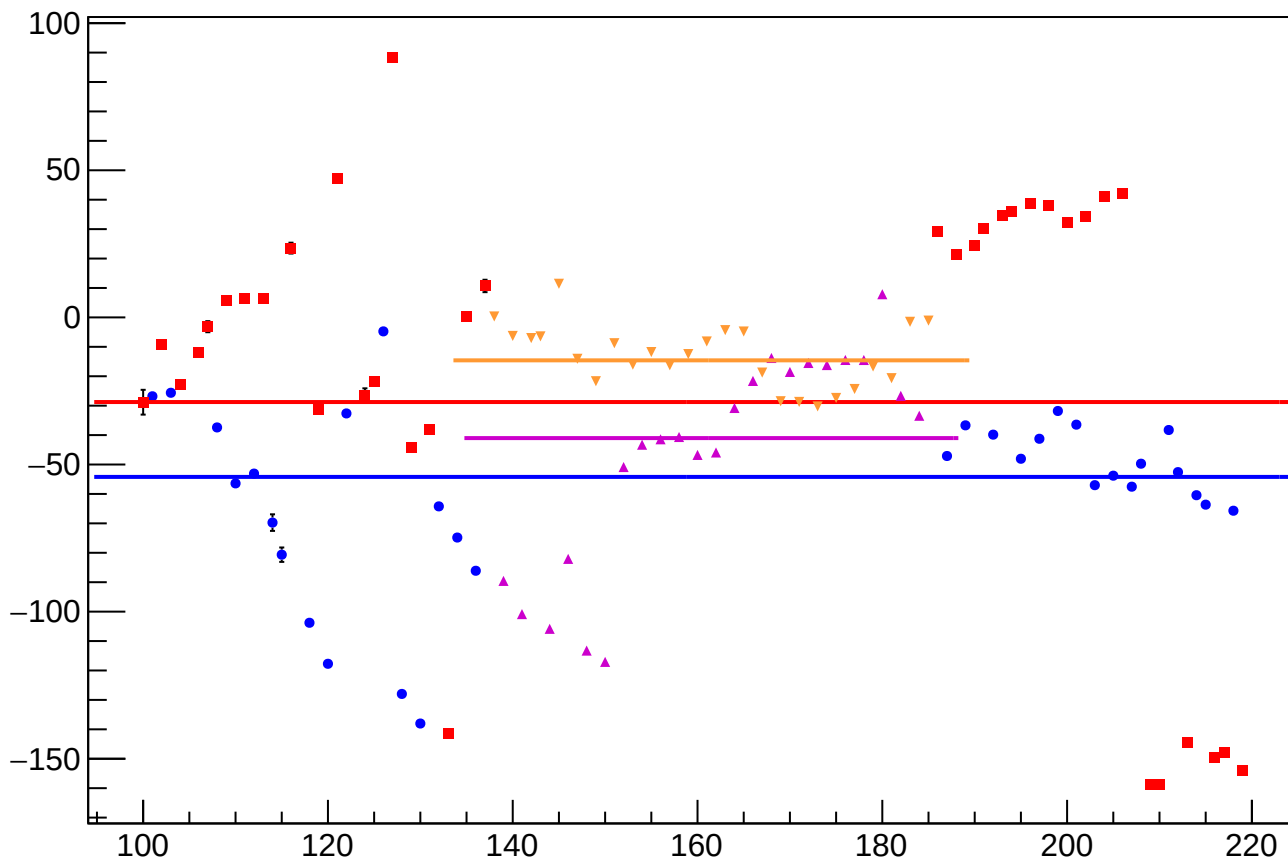
Right Out: 1039.199 $\pm$ 0.179 χ^2 /NDF: 8749312.1/36

All: 1234.683 $\pm$ 0.107 χ^2 /NDF: 23703667.2/100

- sign 1203.249 $\pm$ 0.147 χ^2 /NDF: 11695831.1/59

Left In: 1539.884 $\pm$ 0.256 χ^2 /NDF: 380330.7/22

diff_bpm1i02X_mean vs Slug



Right In: -54.212 ± 0.158 χ^2/NDF : 18929.8/31

Left Out: -14.597 ± 0.183 χ^2/NDF : 3159.3/24

Right Out: -28.766 ± 0.153 χ^2/NDF : 301233.1/36

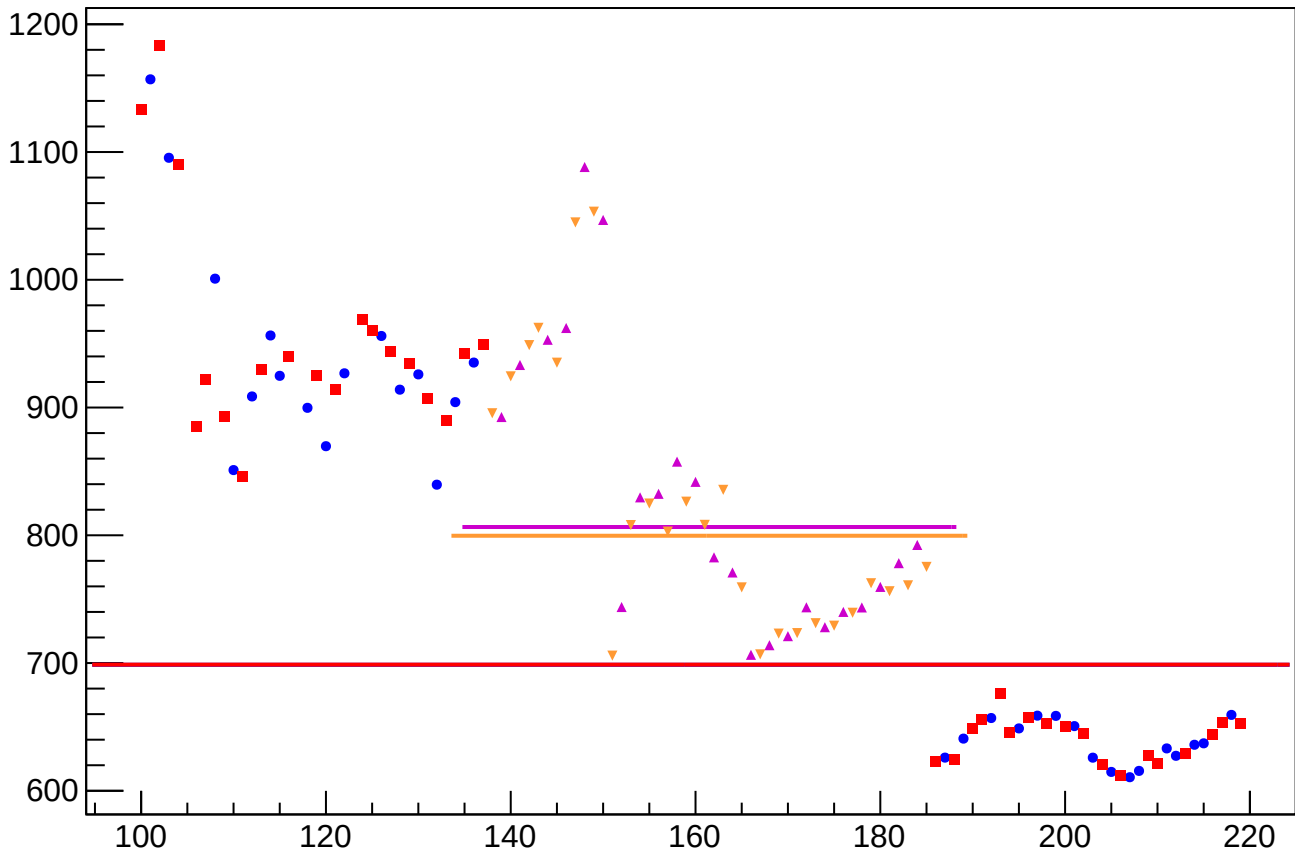
Left In: -41.021 ± 0.190 χ^2/NDF : 31066.6/22

+ sign -37.296 ± 0.120 χ^2/NDF : 48955.0/56

All: -35.434 ± 0.084 χ^2/NDF : 384266.9/116

- sign -33.588 ± 0.119 χ^2/NDF : 334829.0/59

diff_bpm1i02X_rms vs Slug



Right In: 698.618 $\pm$ 0.112 χ^2 /NDF: 1292906.7/31

Left Out: 799.639 $\pm$ 0.129 χ^2 /NDF: 497430.7/24

Right Out: 698.749 $\pm$ 0.108 χ^2 /NDF: 1354525.4/36

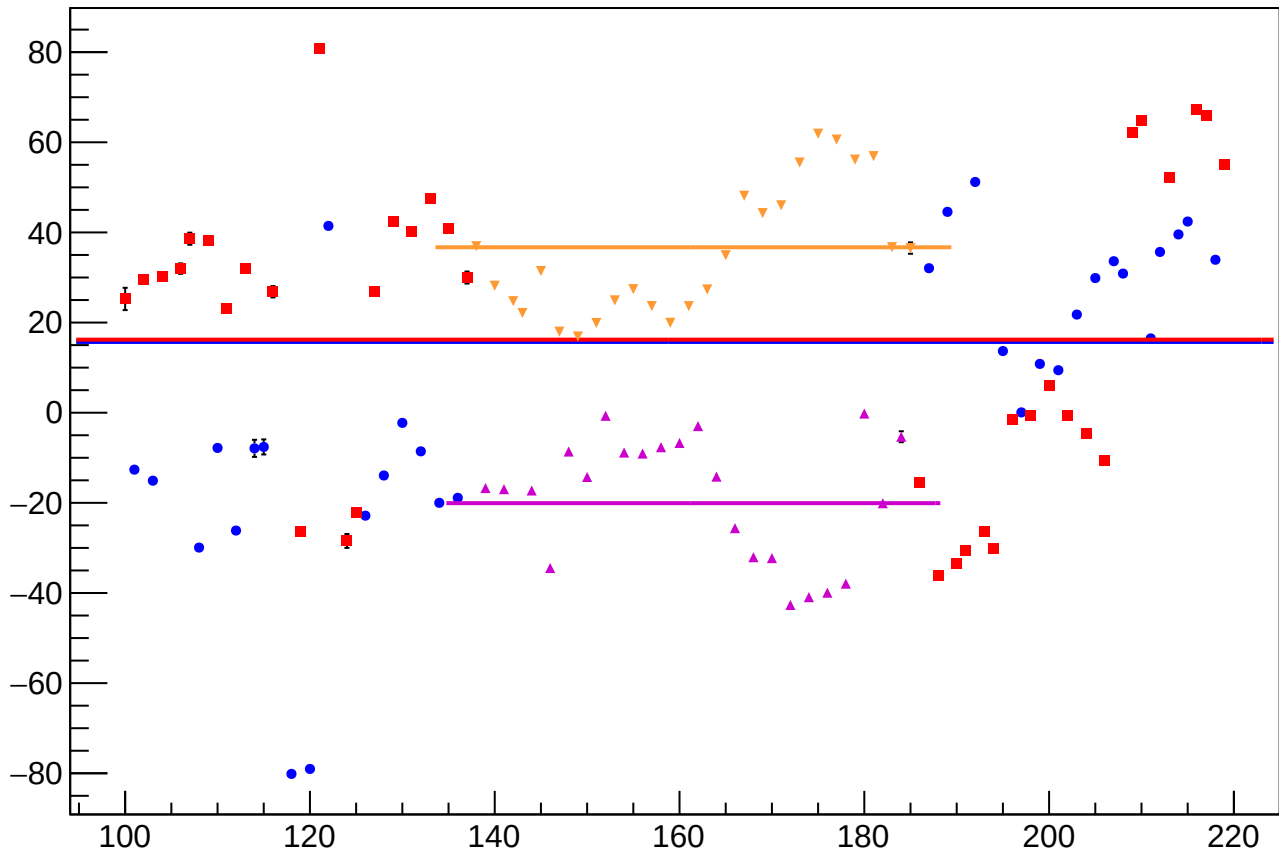
Left In: 806.478 $\pm$ 0.134 χ^2 /NDF: 511294.8/22

+ sign 741.756 $\pm$ 0.085 χ^2 /NDF: 2139765.2/56

All: 741.446 $\pm$ 0.060 χ^2 /NDF: 4396481.0/116

- sign 741.139 $\pm$ 0.084 χ^2 /NDF: 2256689.0/59

diff_bpm1i02Y_mean vs Slug



Right In: 15.702 $\pm$ 0.118 χ^2 /NDF: 54679.0/31

Left Out: 36.705 $\pm$ 0.145 χ^2 /NDF: 10231.1/24

Right Out: 16.212 $\pm$ 0.114 χ^2 /NDF: 99090.6/36

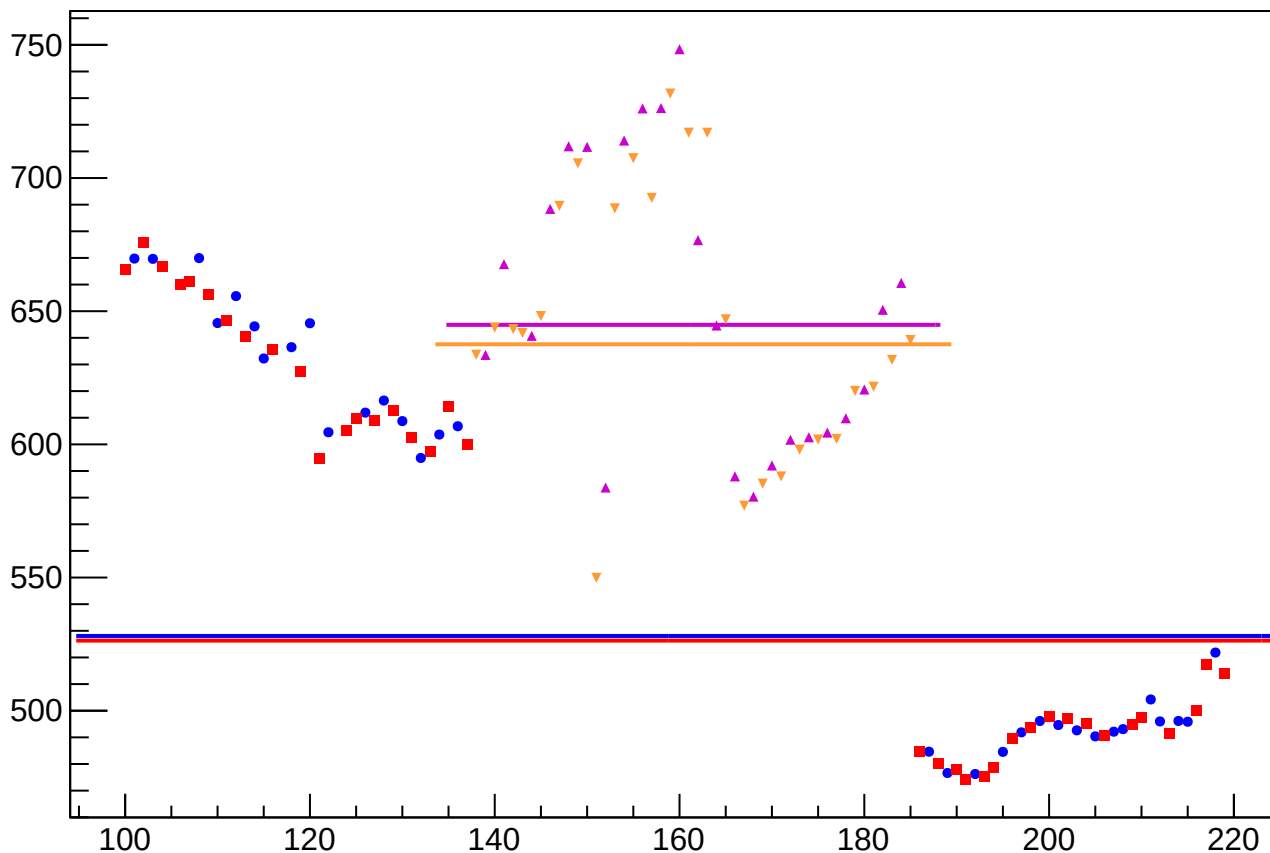
Left In: -20.069 $\pm$ 0.151 χ^2 /NDF: 8560.6/22

+ sign 24.060 $\pm$ 0.092 χ^2 /NDF: 77467.1/56

All: 13.481 $\pm$ 0.065 χ^2 /NDF: 248203.2/116

- sign 3.057 $\pm$ 0.091 χ^2 /NDF: 144336.0/59

diff_bpm1i02Y_rms vs Slug



Right In: 528.073+/-0.084 χ^2/NDF : 542137.6/31

Left Out: 637.569+/-0.103 χ^2/NDF :236539.6/24

Right Out: 526.338+/-0.081 χ^2/NDF : 575616.6/36

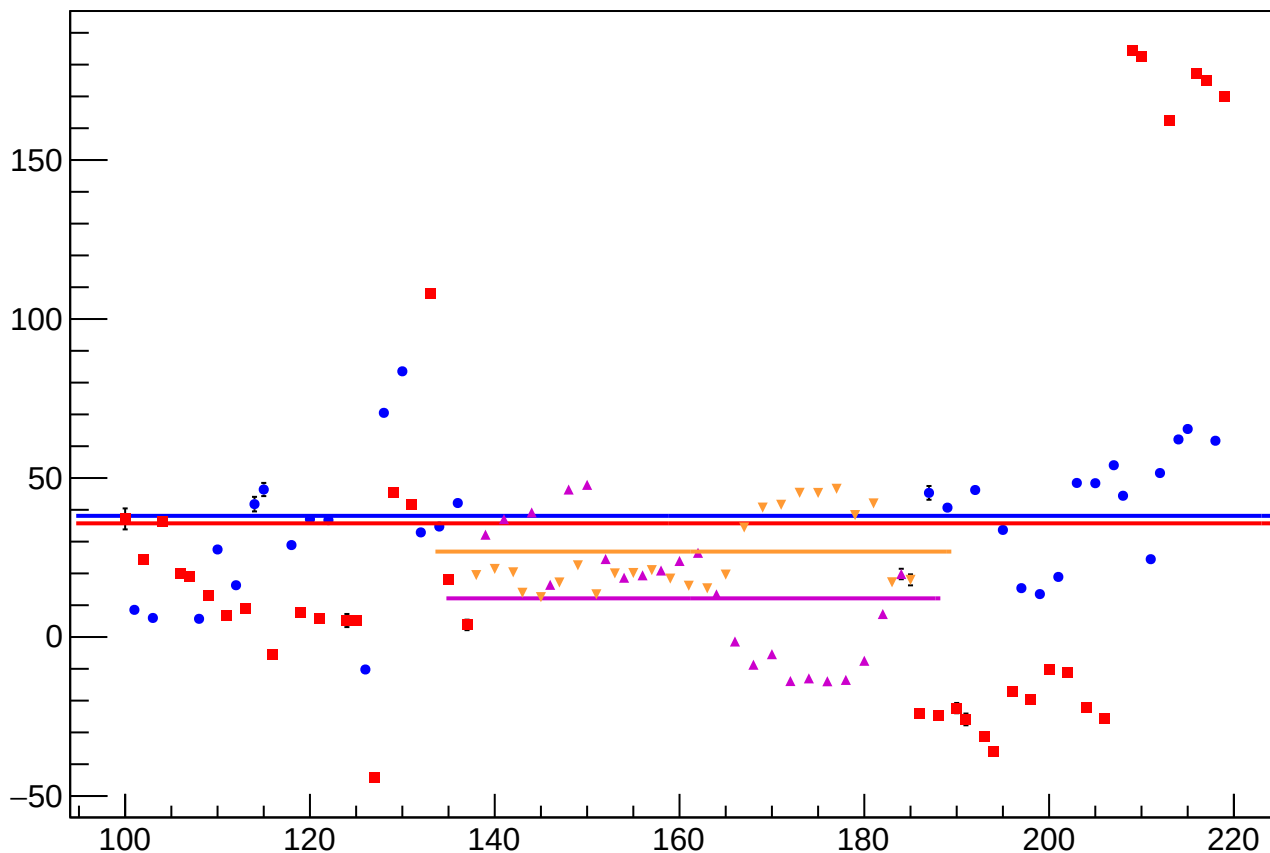
Left In: 644.873+/-0.107 χ^2/NDF :229560.3/22

+ sign 571.645+/-0.065 χ^2/NDF : 1461307.7/56

All: 570.473+/-0.046 χ^2/NDF : 3050259.3/116

- sign 569.318+/-0.064 χ^2/NDF : 1588303.3/59

diff_bpm1i04X_mean vs Slug



Right In: 38.105 ± 0.194 χ^2/NDF : 11262.8/31

Left Out: 26.866 ± 0.207 χ^2/NDF : 3390.4/24

Right Out: 35.747 ± 0.189 χ^2/NDF : 158880.7/36

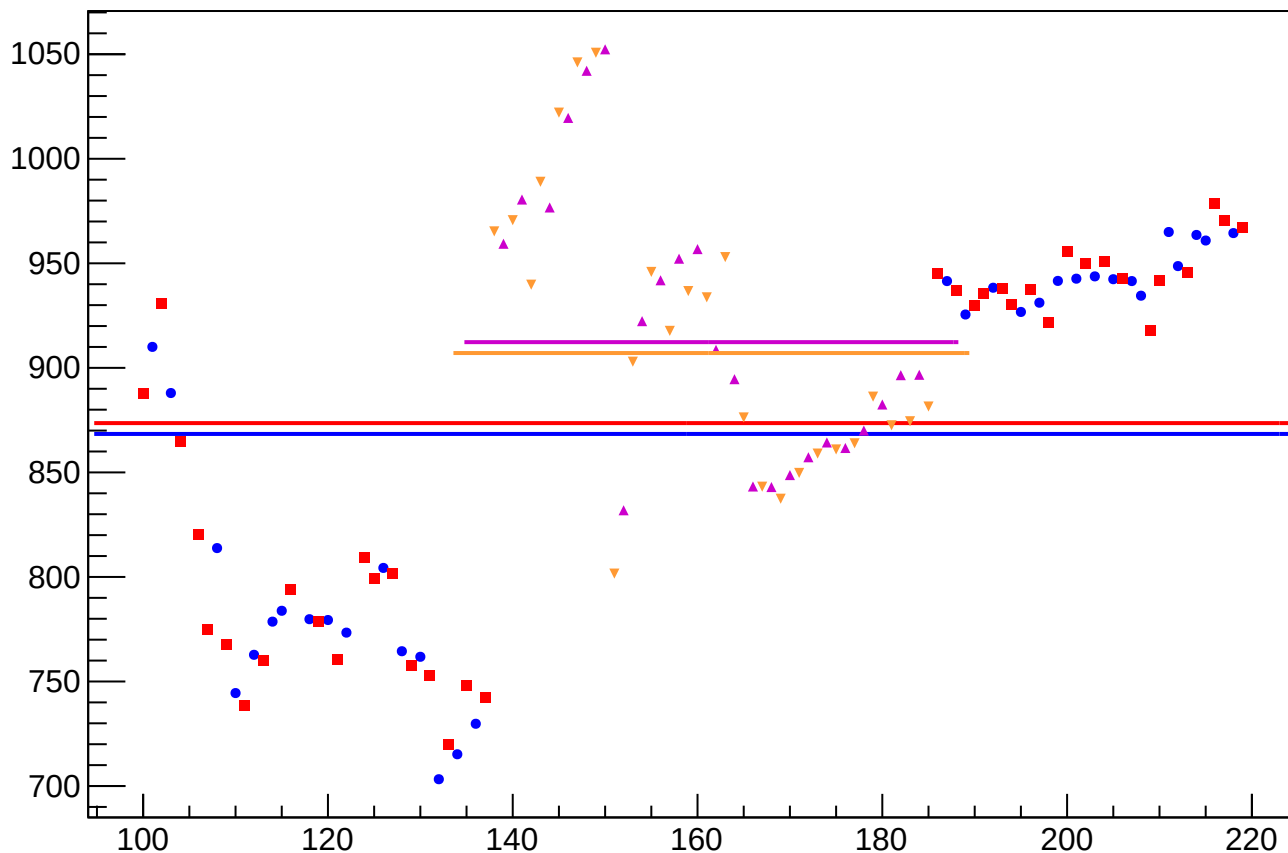
Left In: 12.159 ± 0.214 χ^2/NDF : 8547.0/22

+ sign 32.834 ± 0.142 χ^2/NDF : 16223.4/56

All: 29.114 ± 0.100 χ^2/NDF : 191869.2/116

- sign 25.392 ± 0.142 χ^2/NDF : 174264.1/59

diff_bpm1i04X_rms vs Slug



Right In: 868.393+/-0.137 χ^2/NDF : 455205.4/31

Left Out: 907.089+/-0.146 χ^2/NDF :194606.8/24

Right Out: 873.580+/-0.134 χ^2/NDF : 433825.4/36

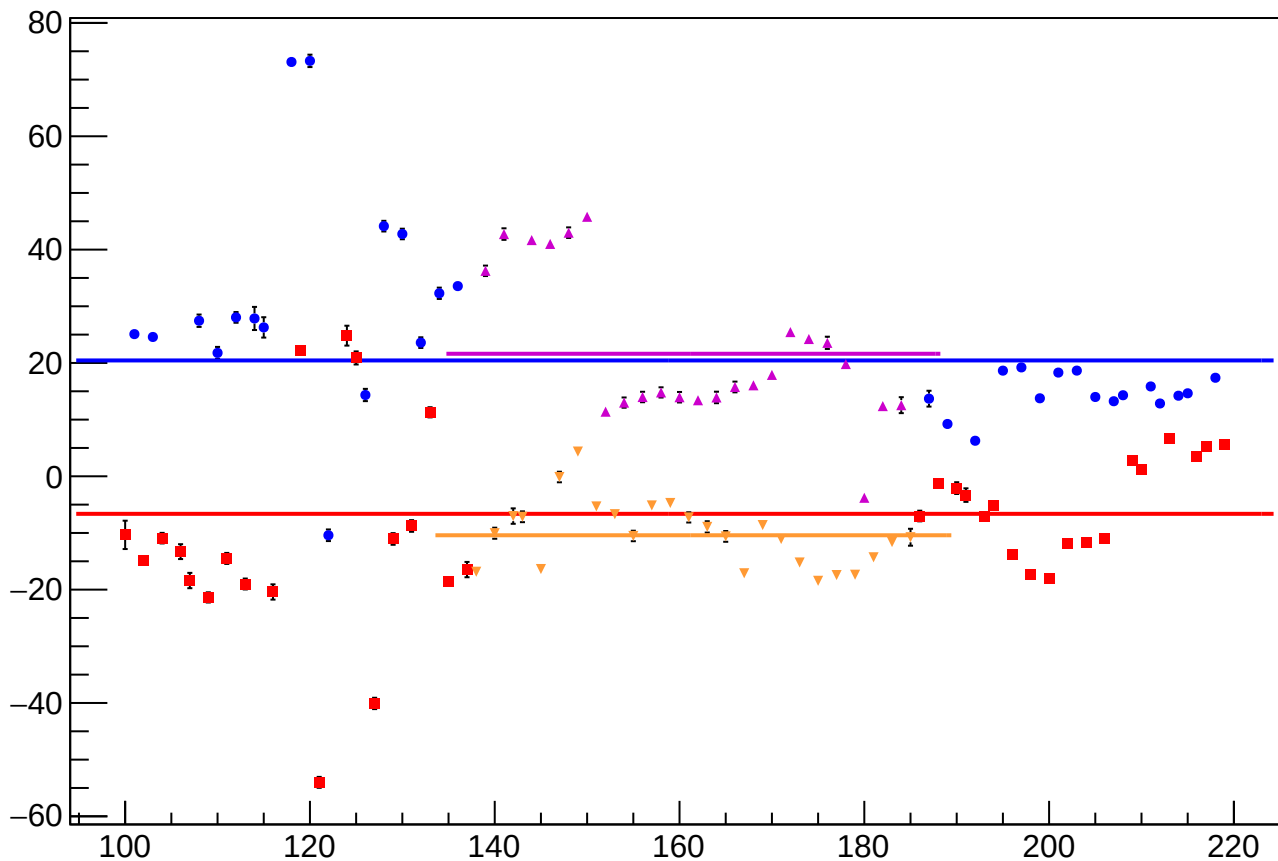
Left In: 912.301+/-0.151 χ^2/NDF :174715.2/22

+ sign 886.542+/-0.100 χ^2/NDF : 687039.8/56

All: 888.559+/-0.071 χ^2/NDF : 1333235.5/116

- sign 890.578+/-0.100 χ^2/NDF : 645383.1/59

diff_bpm1i04Y_mean vs Slug



Right In: 20.443 $\pm$ 0.136 χ^2 /NDF: 10461.1/31

Left Out: -10.406 $\pm$ 0.176 χ^2 /NDF:1041.8/24

Right Out: -6.625 $\pm$ 0.132 χ^2 /NDF: 9904.7/36

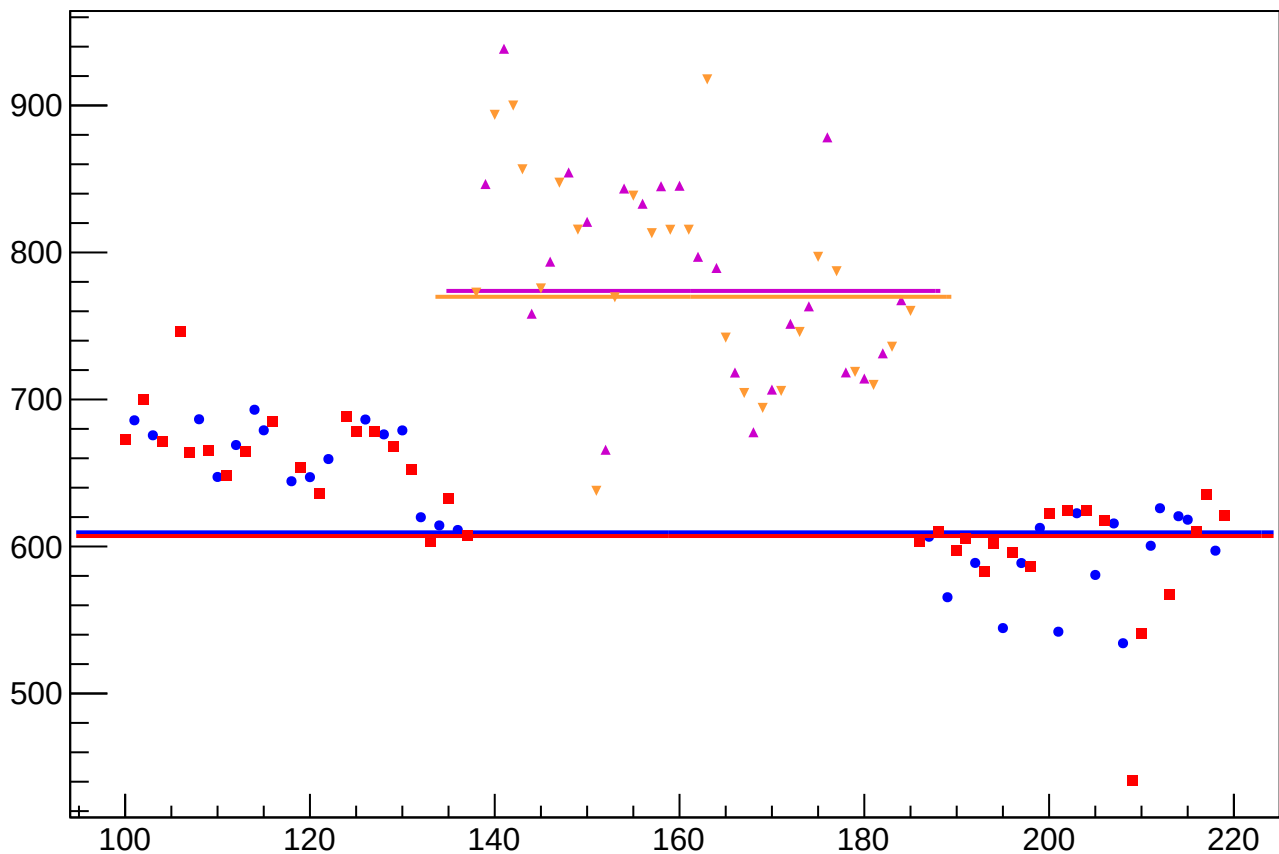
Left In: 21.621 $\pm$ 0.182 χ^2 /NDF:5241.8/22

+ sign 8.871 $\pm$ 0.108 χ^2 /NDF: 30701.5/56

All: 5.942 $\pm$ 0.076 χ^2 /NDF: 63135.3/116

- sign 3.075 $\pm$ 0.107 χ^2 /NDF: 30972.4/59

diff_bpm1i04Y_rms vs Slug



Right In: 609.622 $\pm$ 0.096 χ^2 /NDF: 197650.9/31

Left Out: 769.850 $\pm$ 0.124 χ^2 /NDF:304526.6/24

Right Out: 607.123 $\pm$ 0.093 χ^2 /NDF: 413641.7/36

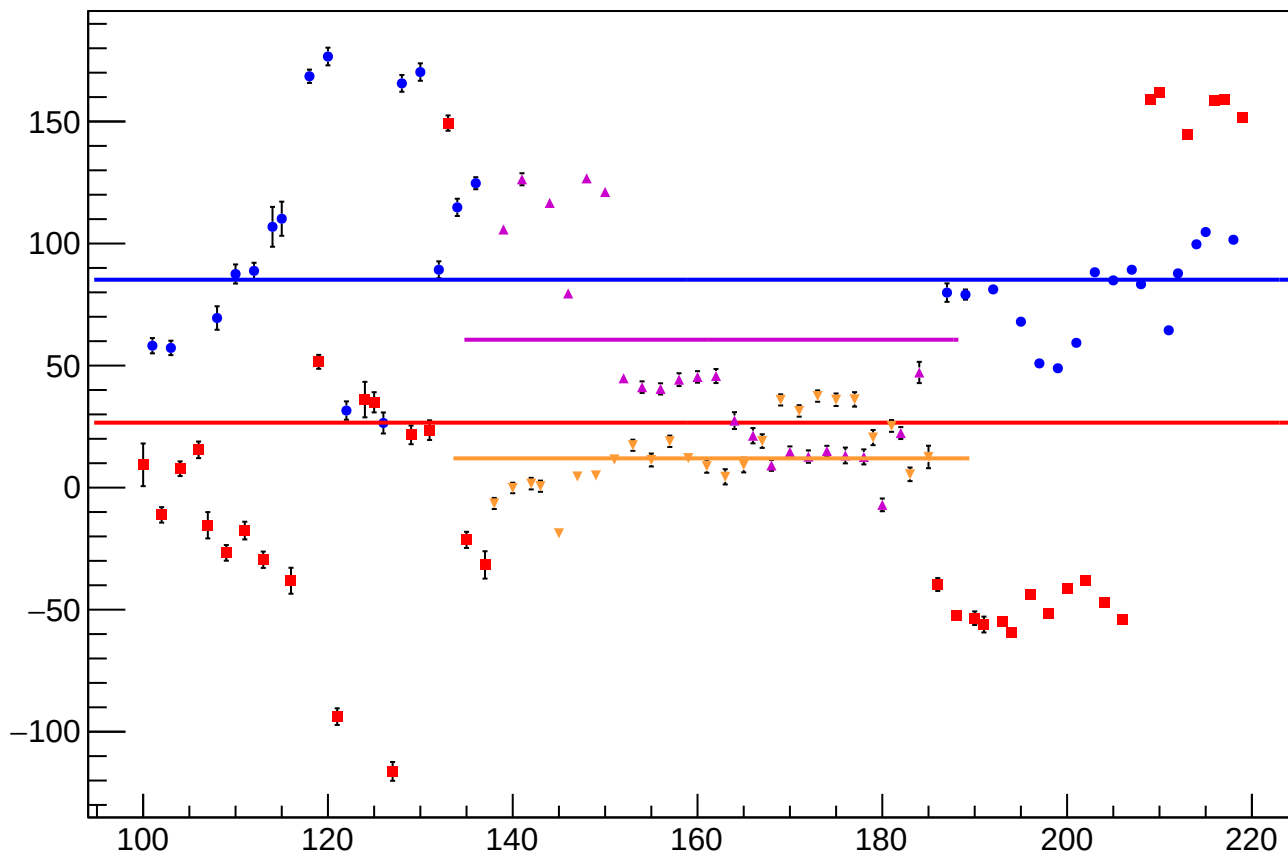
Left In: 773.845 $\pm$ 0.129 χ^2 /NDF:282843.1/22

+ sign 669.722 $\pm$ 0.076 χ^2 /NDF: 1538015.5/56

All: 667.022 $\pm$ 0.054 χ^2 /NDF: 3339684.5/116

- sign 664.381 $\pm$ 0.075 χ^2 /NDF: 1799186.4/59

diff_bpm1i06X_mean vs Slug



Right In: 85.182 ± 0.407 $\chi^2/\text{NDF}: 5109.1/31$

Left Out: 11.989 ± 0.472 $\chi^2/\text{NDF}: 947.1/24$

Right Out: 26.615 ± 0.388 $\chi^2/\text{NDF}: 59911.7/36$

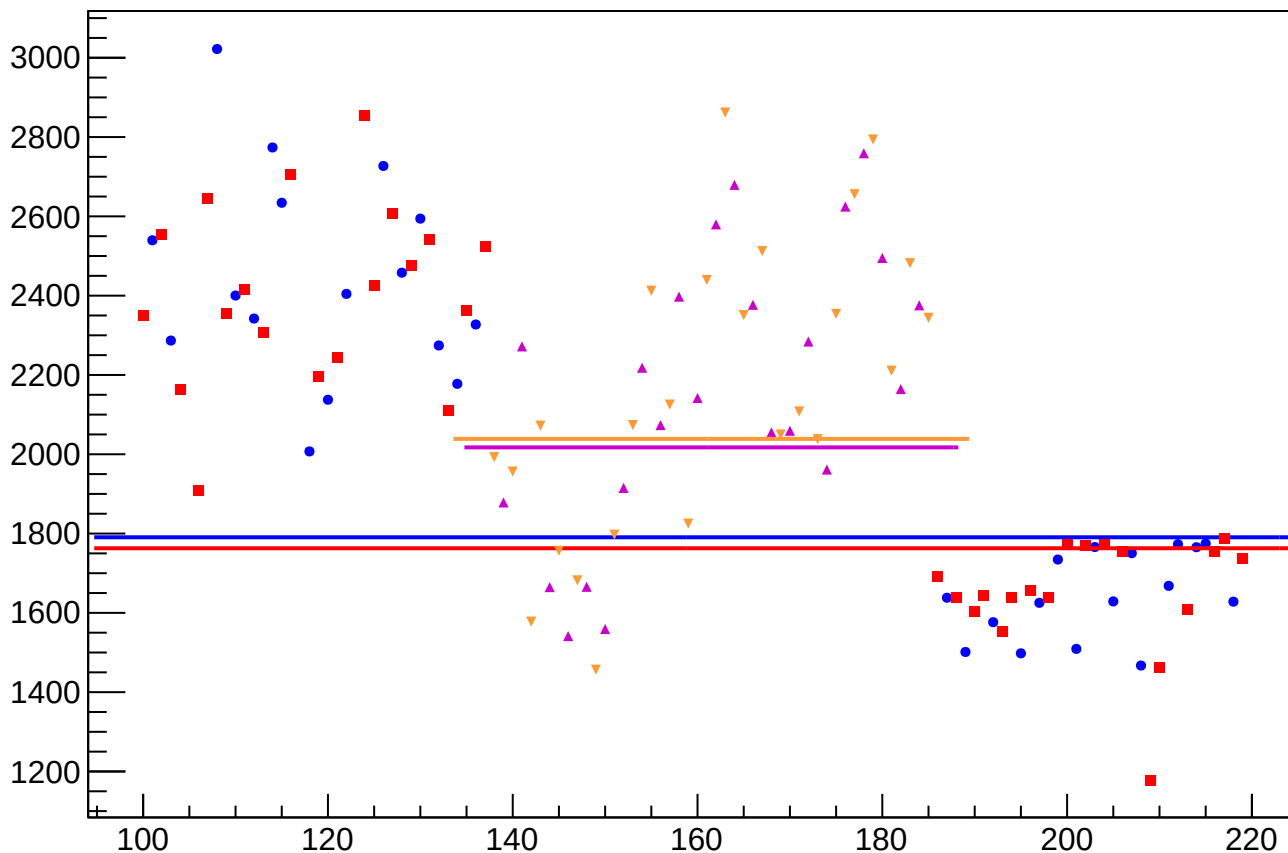
Left In: 60.598 ± 0.481 $\chi^2/\text{NDF}: 8638.1/22$

+ sign 53.929 ± 0.308 $\chi^2/\text{NDF}: 19861.7/56$

All: 46.837 ± 0.216 $\chi^2/\text{NDF}: 92473.8/116$

- sign 40.021 ± 0.302 $\chi^2/\text{NDF}: 71573.3/59$

diff_bpm1i06X_rms vs Slug



Right In: 1790.600+/-0.288 χ^2/NDF : 1317181.8/31

Left Out: 2038.784+/-0.333 χ^2/NDF : 1123518.3/24

Right Out: 1762.949+/-0.274 χ^2/NDF : 1598710.8/36

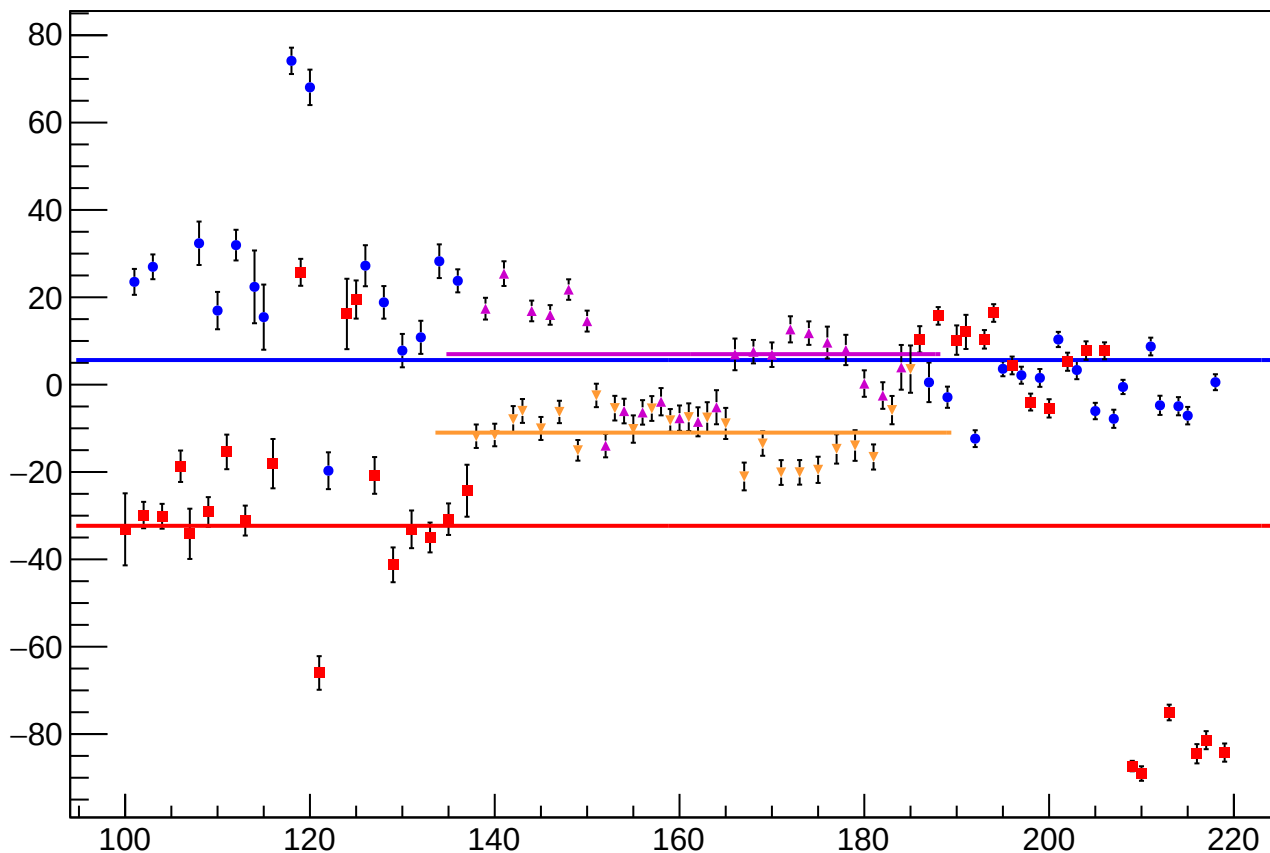
Left In: 2017.328+/-0.340 χ^2/NDF : 1050043.3/22

+ sign 1896.574+/-0.218 χ^2/NDF : 2758160.1/56

All: 1879.607+/-0.153 χ^2/NDF : 5757636.6/11

- sign 1863.302+/-0.214 χ^2/NDF : 2987584.6/59

diff_bpm1i06Y_mean vs Slug



Right In: 5.632 ± 0.440 χ^2/NDF : 1408.2/31

Left Out: -10.985 ± 0.586 χ^2/NDF : 87.6/24

Right Out: -32.318 ± 0.419 χ^2/NDF : 10121.2/36

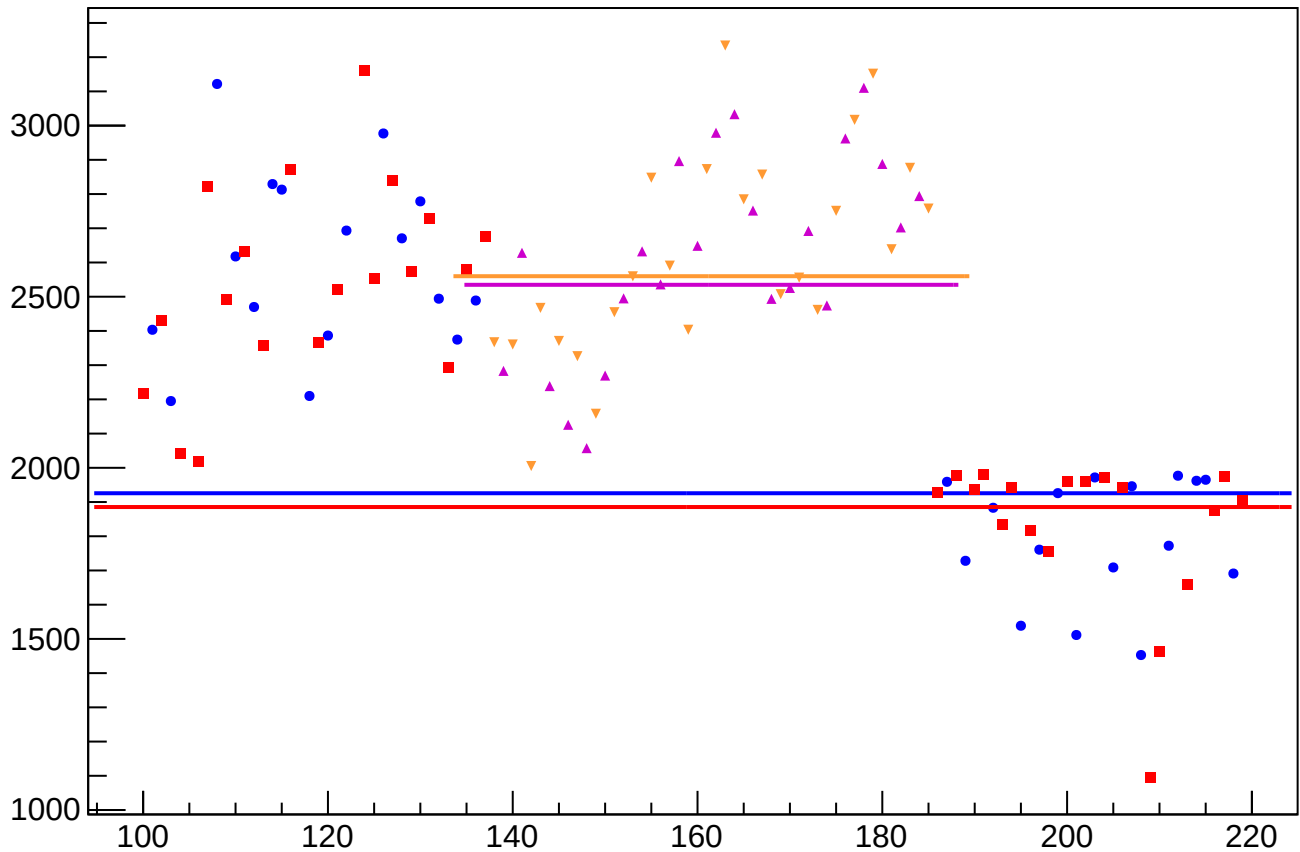
Left In: 6.985 ± 0.598 χ^2/NDF : 339.5/22

+ sign -0.368 ± 0.352 χ^2/NDF : 2009.8/56

All: -10.133 ± 0.246 χ^2/NDF : 16866.5/116

- sign -19.405 ± 0.343 χ^2/NDF : 13356.7/59

diff_bpm1i06Y_rms vs Slug



Right In: 1925.694 $\pm$ 0.311 χ^2 /NDF: 1378532.3/31

Left Out: 2559.931 $\pm$ 0.414 χ^2 /NDF: 450188.5/24

Right Out: 1885.398 $\pm$ 0.296 χ^2 /NDF: 2009979.9/36

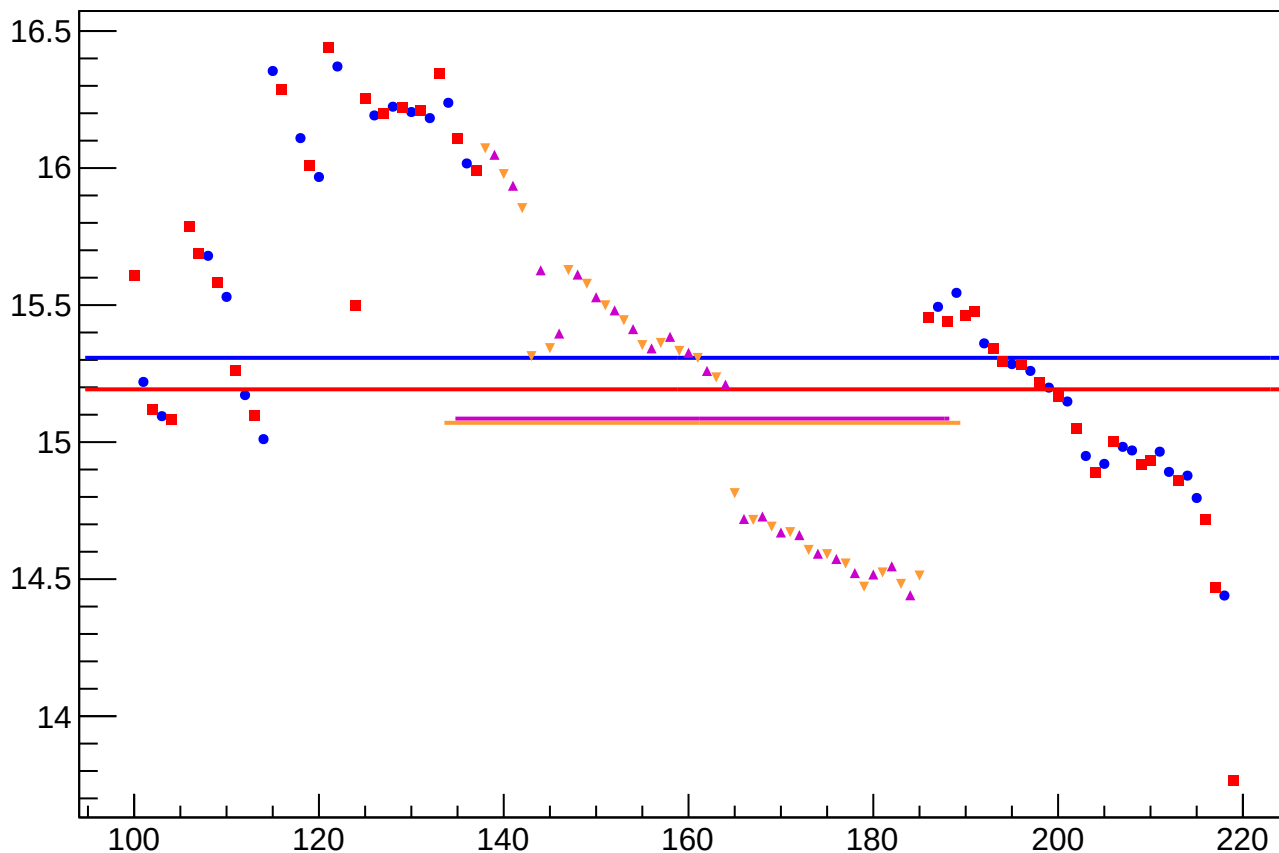
Left In: 2534.780 $\pm$ 0.423 χ^2 /NDF: 463621.9/22

+ sign 2154.690 $\pm$ 0.249 χ^2 /NDF: 3326202.3/56

All: 2125.998 $\pm$ 0.174 χ^2 /NDF: 7406829.3/11

- sign 2098.756 $\pm$ 0.243 χ^2 /NDF: 4054730.0/59

yield_sam1_mean vs Slug



Right In: 15.308+/-0.000 χ^2/NDF : 35977064024.2/31

Left Out: 15.070+/-0.000 χ^2/NDF : 43718295237.2/24

Right Out: 15.193+/-0.000 χ^2/NDF : 50772014696.4/36

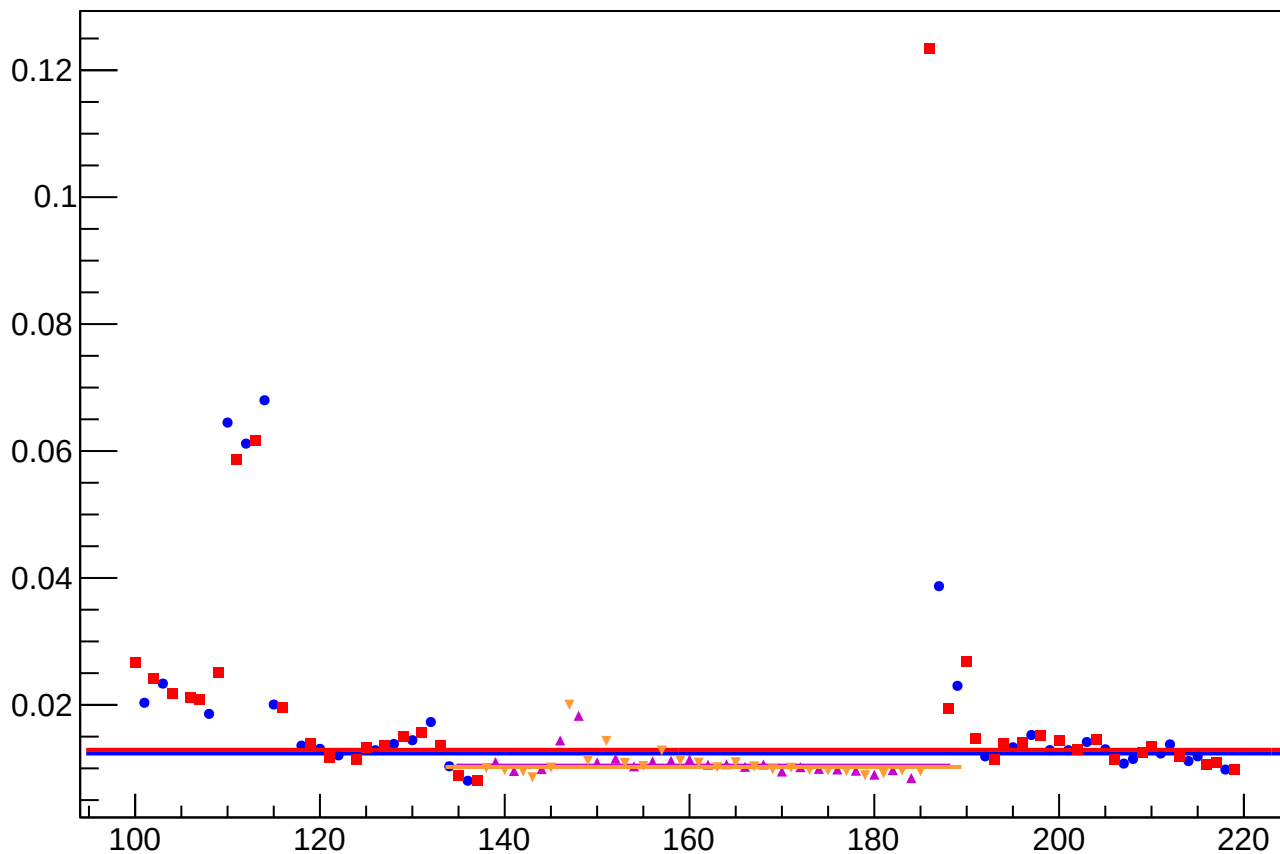
Left In: 15.086+/-0.000 χ^2/NDF : 39504896066.7/22

+ sign 15.165+/-0.000 χ^2/NDF : 83596999809.3/56

All: 15.148+/-0.000 χ^2/NDF : 174790769237.

- sign 15.130+/-0.000 χ^2/NDF : 91020084121.8/59

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 3003890.2/31

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:760322.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 3754980.5/36

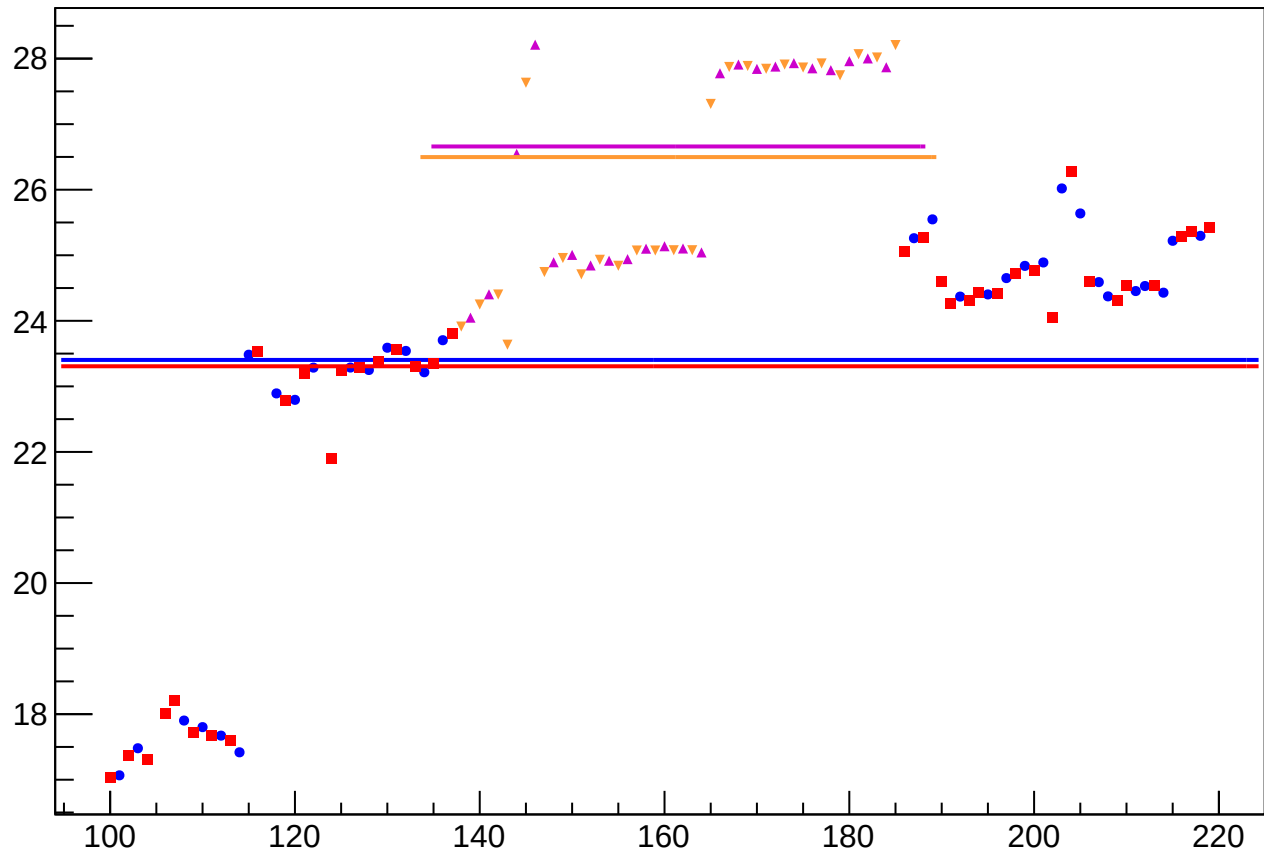
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:597752.6/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4391185.8/56

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 9594028.6/116

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 5160570.4/59

yield_sam2_mean vs Slug



Right In: 23.403 $\pm$ 0.000 χ^2 /NDF: 1759331837.8/31

Left Out: 26.498 $\pm$ 0.000 χ^2 /NDF: 3909357236.5/24

Right Out: 23.307 $\pm$ 0.000 χ^2 /NDF: 1935764835.7/36

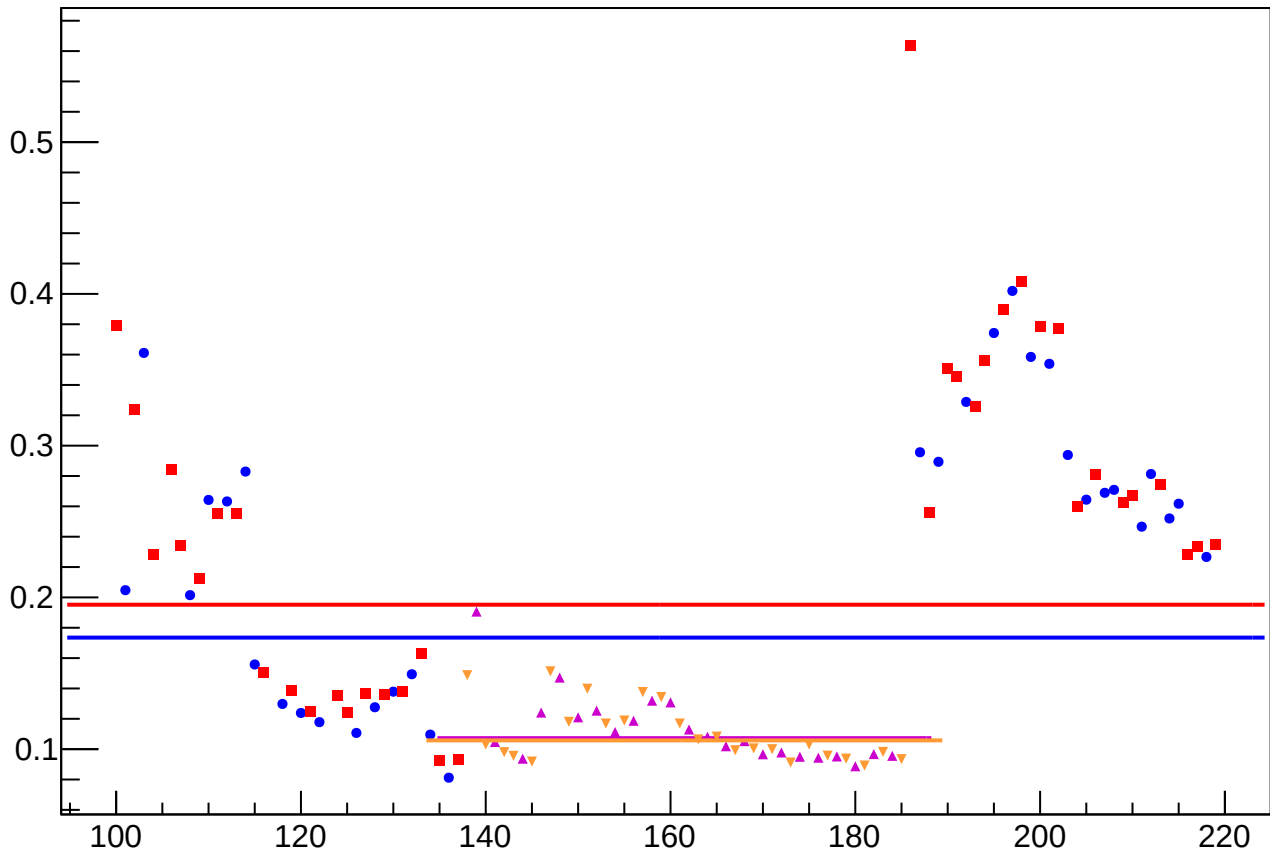
Left In: 26.660 $\pm$ 0.000 χ^2 /NDF: 2886823196.4/22

+ sign 25.722 $\pm$ 0.000 χ^2 /NDF: 9228236684.3/56

All: 25.778 $\pm$ 0.000 χ^2 /NDF: 17801421952.4

- sign 25.840 $\pm$ 0.000 χ^2 /NDF: 8560031690.1/59

yield_sam2_rms vs Slug



Right In: 0.174 $\pm$ 0.000 χ^2 /NDF: 7681049.9/31

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 756185.0/24

Right Out: 0.195 $\pm$ 0.000 χ^2 /NDF: 6801167.8/36

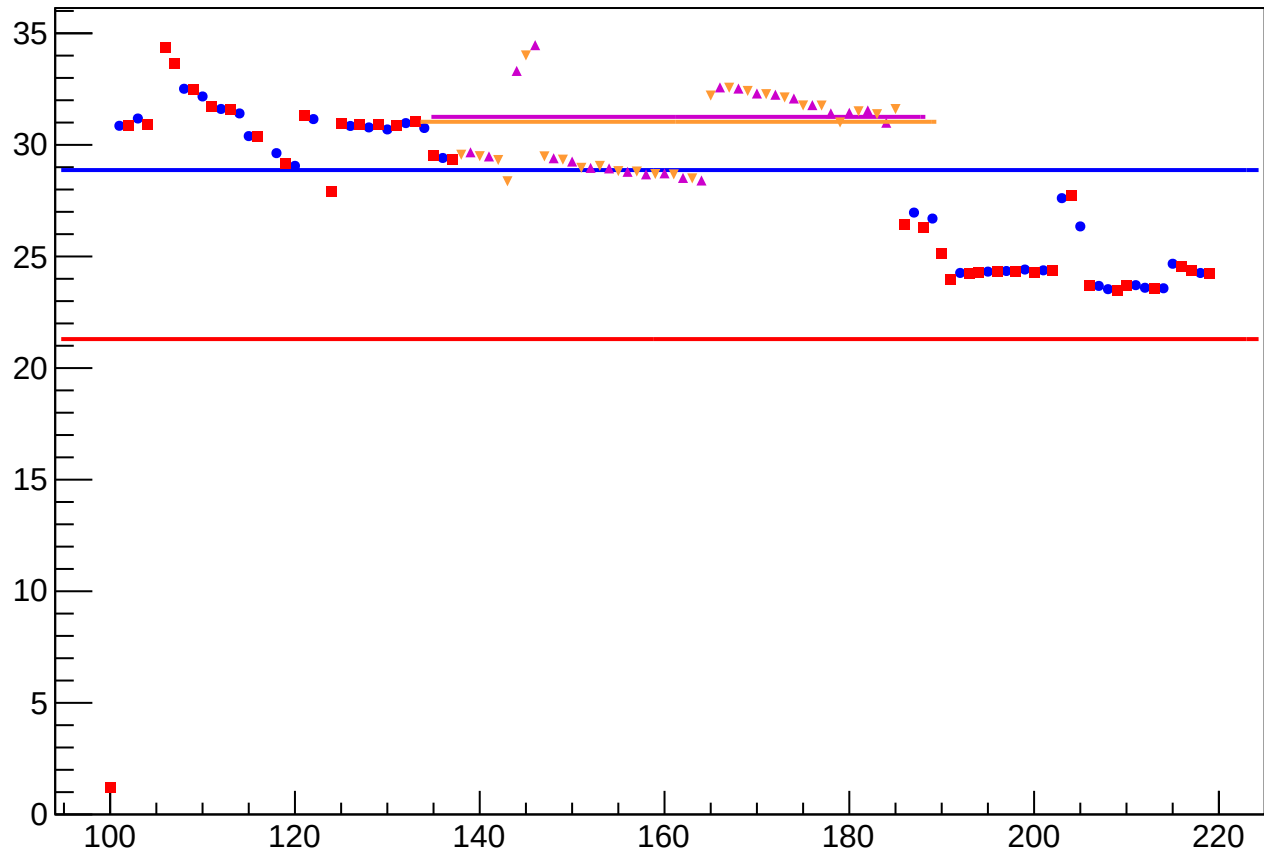
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF: 859458.3/22

+ sign 0.123 $\pm$ 0.000 χ^2 /NDF: 11847924.8/56

All: 0.126 $\pm$ 0.000 χ^2 /NDF: 24717363.3/116

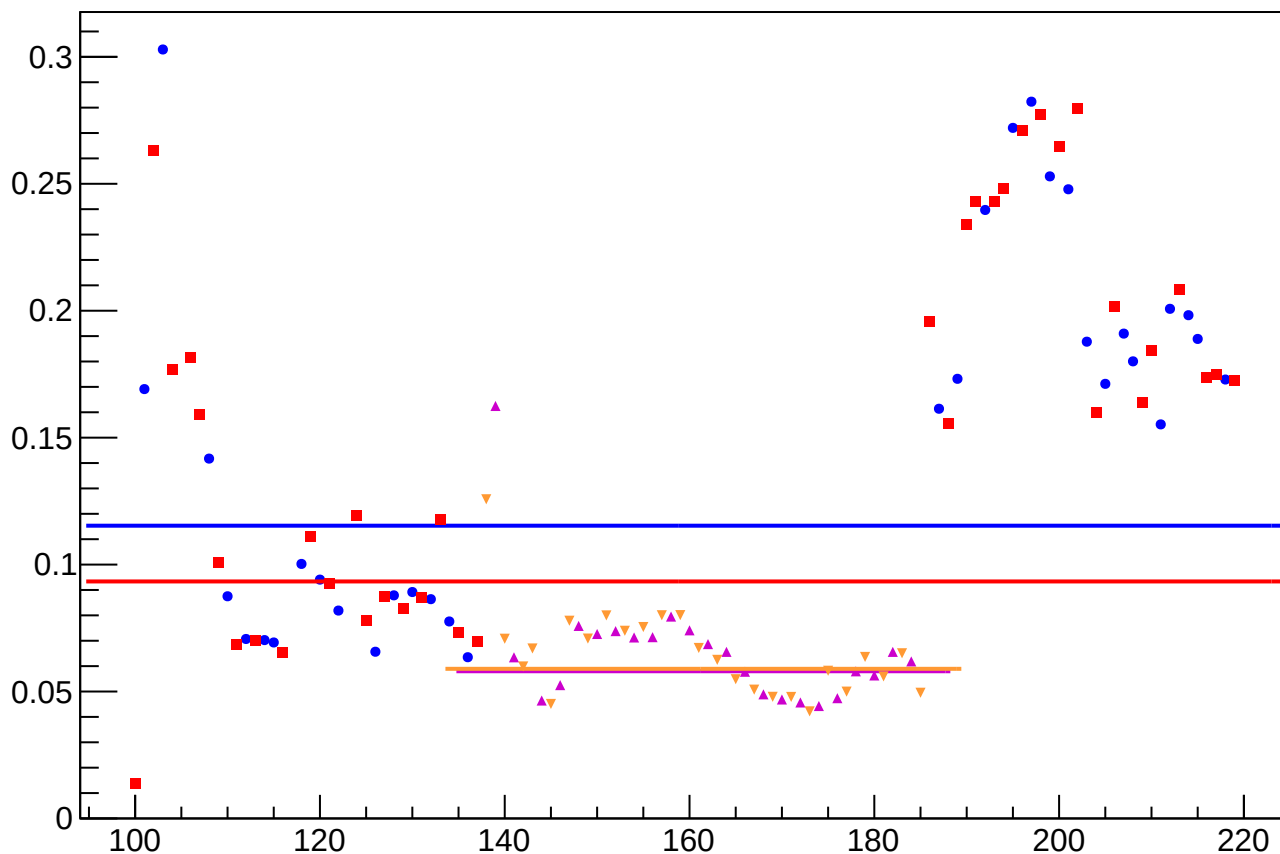
- sign 0.129 $\pm$ 0.000 χ^2 /NDF: 12801779.8/59

yield_sam3_mean vs Slug



Right In: 28.872 $\pm$ 0.000	χ^2 /NDF: 9006955095.7/31	+ sign 30.596 $\pm$ 0.000	χ^2 /NDF: 24970945470.8/56
Left Out: 31.035 $\pm$ 0.000	χ^2 /NDF: 11897463221.2/24	All: 29.629 $\pm$ 0.000	χ^2 /NDF: 379764044135.
Right Out: 21.299 $\pm$ 0.000	χ^2 /NDF: 227094085033.1/36	- sign 28.694 $\pm$ 0.000	χ^2 /NDF: 344916338060.4/59
Left In: 31.256 $\pm$ 0.000	χ^2 /NDF: 12589744083.0/22		

yield_sam3_rms vs Slug



Right In: 0.115 $\pm$ 0.000 χ^2 /NDF: 7741810.3/31

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1536601.0/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 14482435.3/36

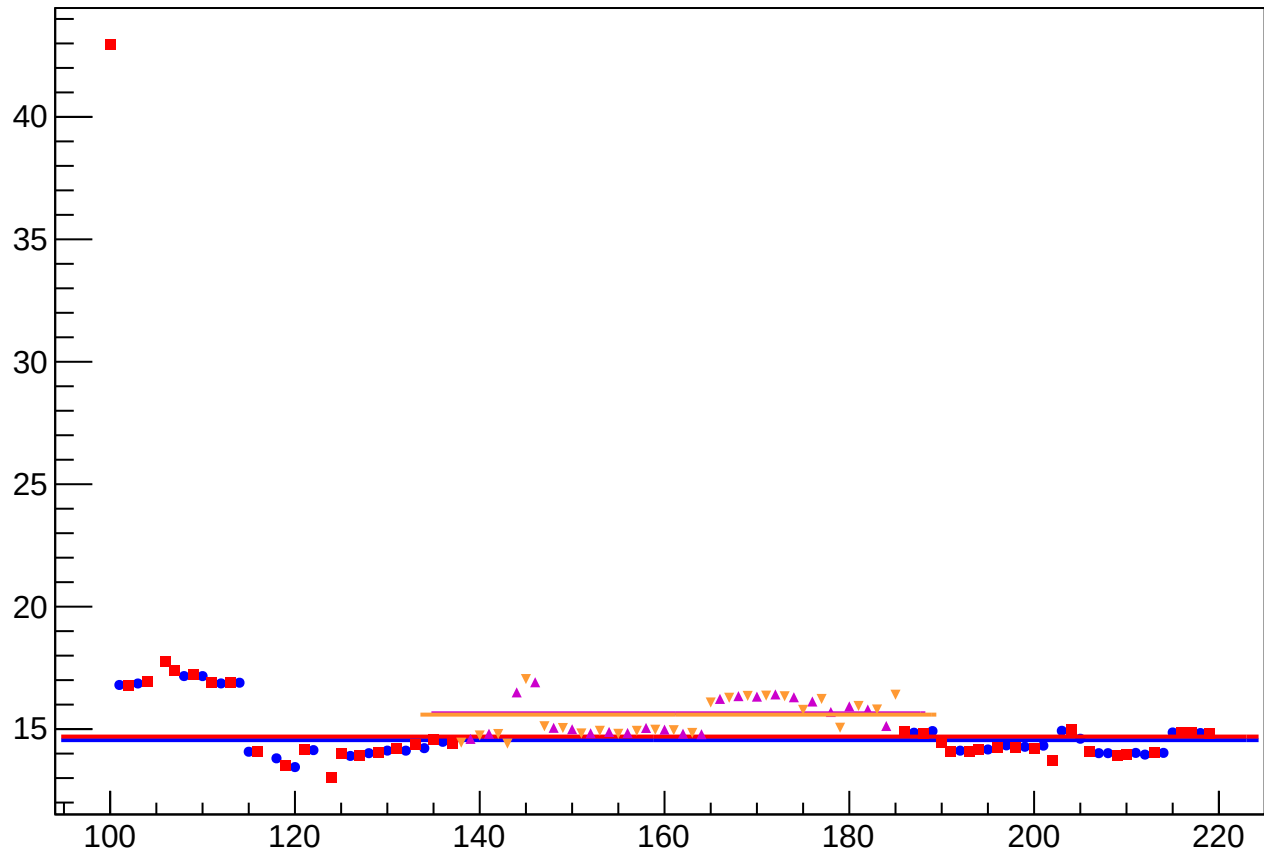
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1716553.7/22

+ sign 0.070 $\pm$ 0.000 χ^2 /NDF: 14801905.3/56

All: 0.069 $\pm$ 0.000 χ^2 /NDF: 33716769.1/116

- sign 0.067 $\pm$ 0.000 χ^2 /NDF: 18855505.3/59

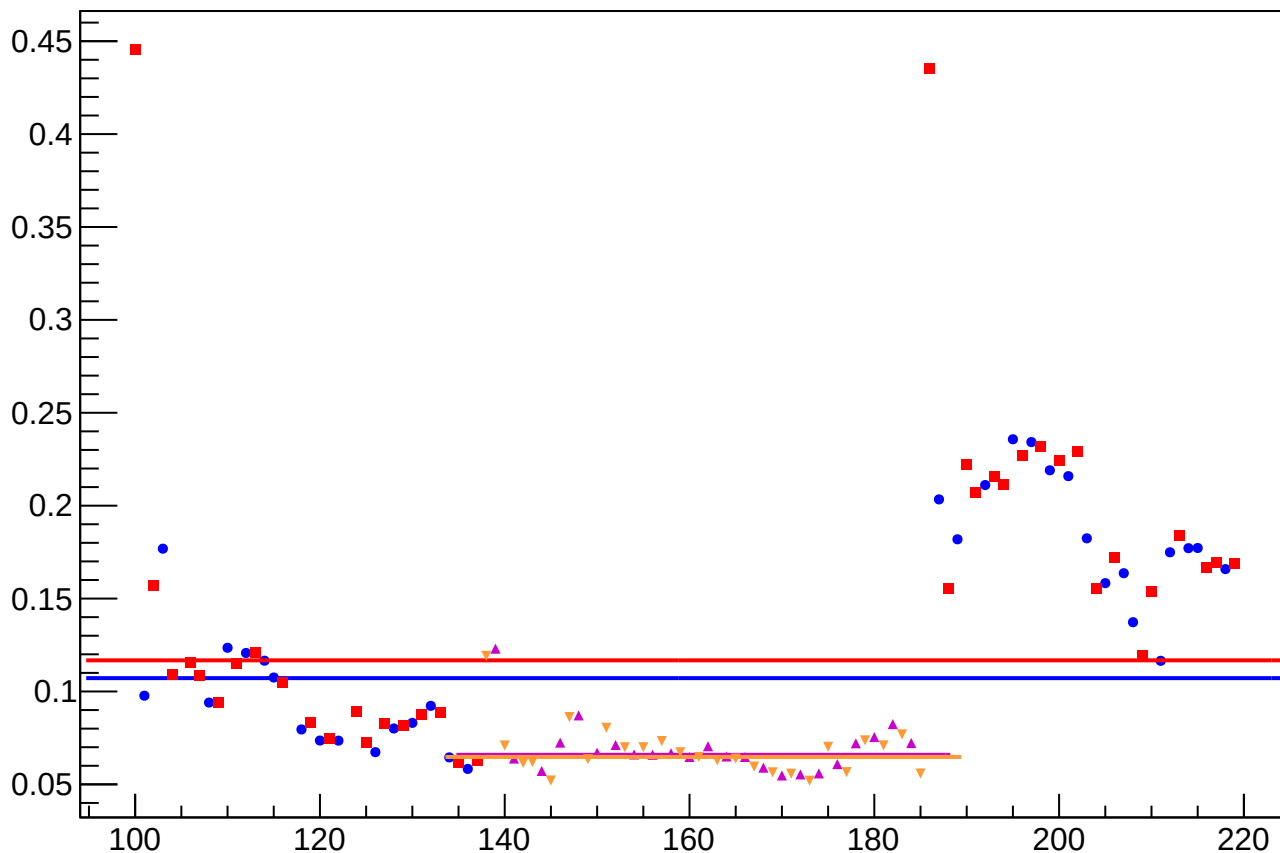
yield_sam4_mean vs Slug



Right In: 14.549 $\pm$ 0.000 χ^2 /NDF: 1276374928.3/31
 Left Out: 15.591 $\pm$ 0.000 χ^2 /NDF: 2257437225.0/24
 Right Out: 14.695 $\pm$ 0.000 χ^2 /NDF: 1876362459.9/36
 Left In: 15.645 $\pm$ 0.000 χ^2 /NDF: 1858454747.6/22

+ sign 15.324 $\pm$ 0.000 χ^2 /NDF: 4622434444.6/56
 All: 15.360 $\pm$ 0.000 χ^2 /NDF: 9205045575.6/1
 - sign 15.400 $\pm$ 0.000 χ^2 /NDF: 4568140777.7/59

yield_sam4_rms vs Slug



Right In: 0.107 $\pm$ 0.000 χ^2 /NDF: 6708997.3/31

Left Out: 0.065 $\pm$ 0.000 χ^2 /NDF:855753.3/24

Right Out: 0.117 $\pm$ 0.000 χ^2 /NDF: 6435746.8/36

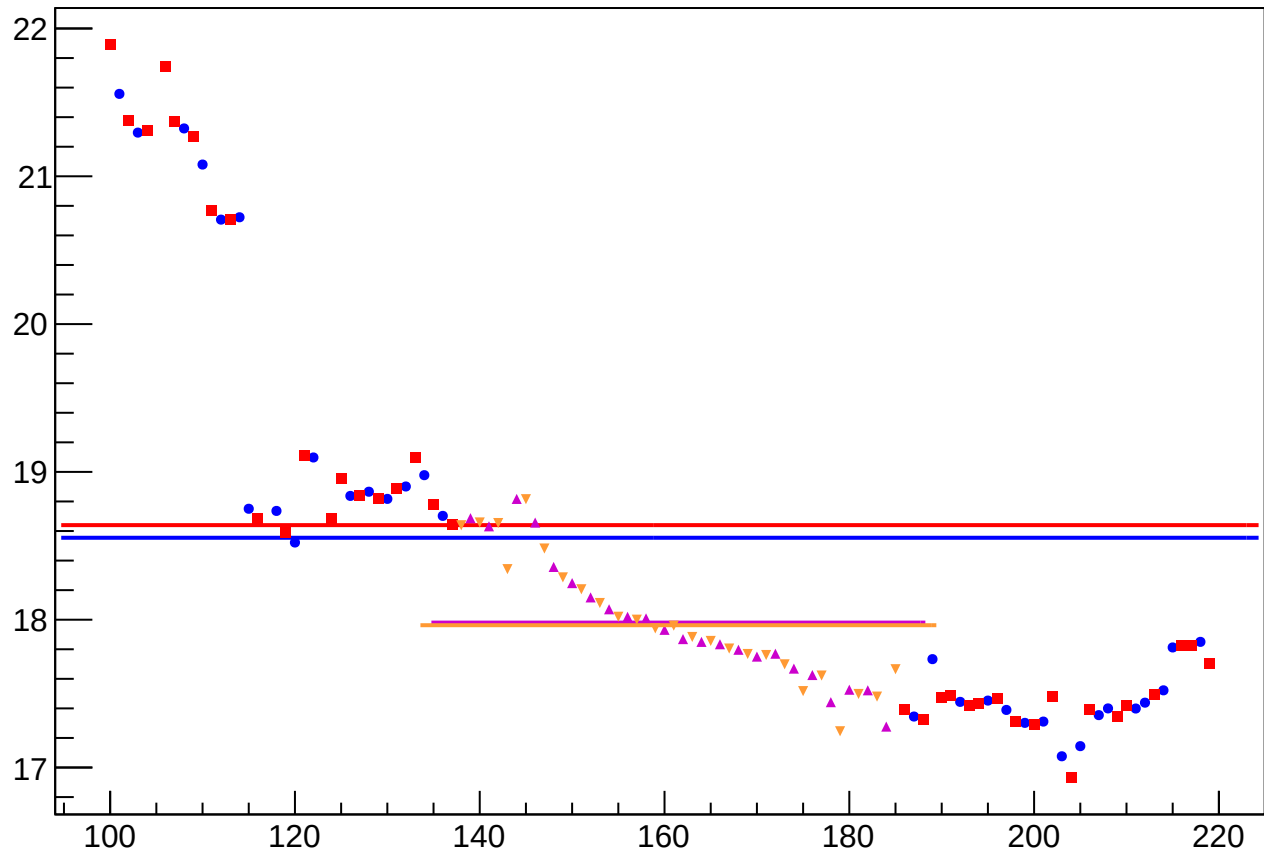
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF:788235.2/22

+ sign 0.076 $\pm$ 0.000 χ^2 /NDF: 11176581.7/56

All: 0.077 $\pm$ 0.000 χ^2 /NDF: 23235126.6/116

- sign 0.079 $\pm$ 0.000 χ^2 /NDF: 12001386.6/59

yield_sam5_mean vs Slug



Right In: 18.554+/-0.000 χ^2 /NDF: 35555404622.0/31

Left Out: 17.963+/-0.000 χ^2 /NDF: 3041551307.2/24

Right Out: 18.640+/-0.000 χ^2 /NDF: 38373745663.1/36

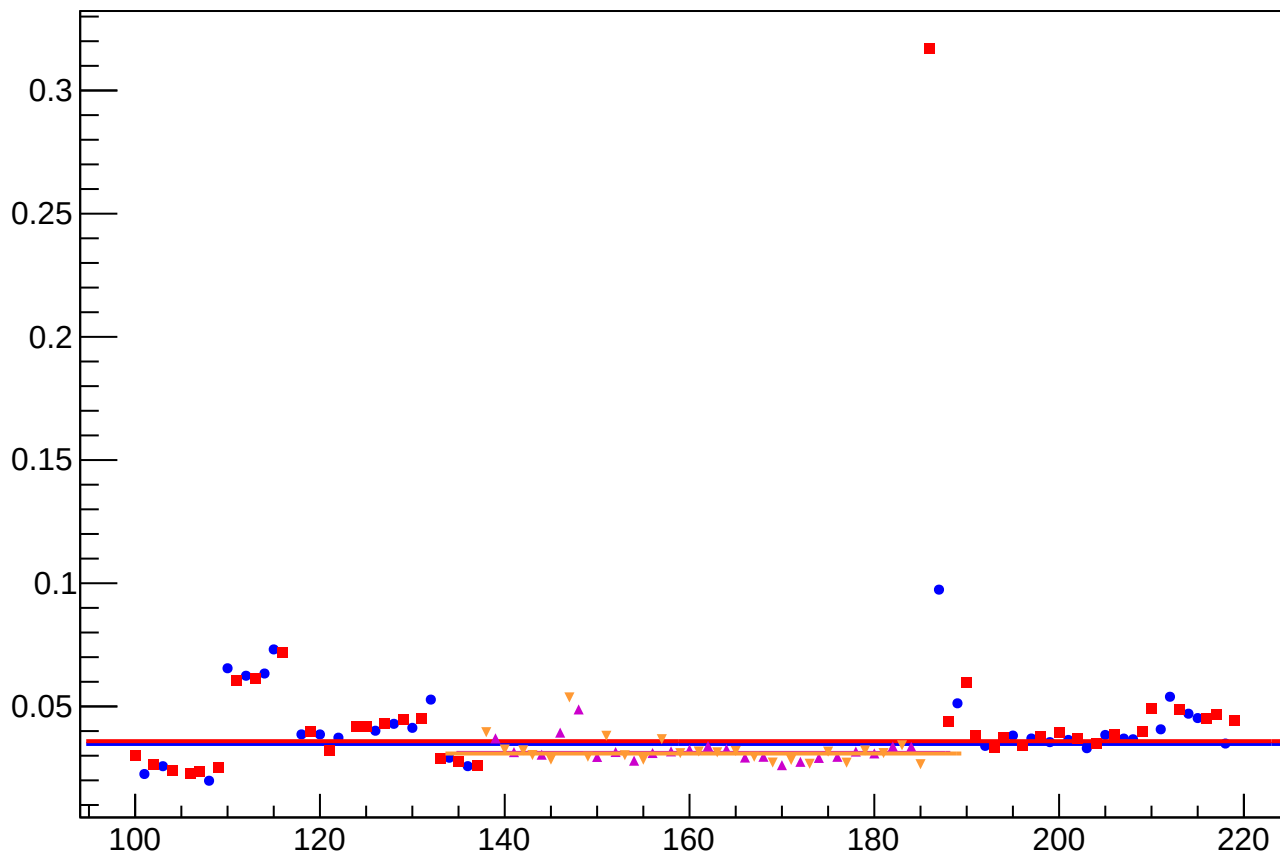
Left In: 17.980+/-0.000 χ^2 /NDF: 2720441956.8/22

+ sign 18.220+/-0.000 χ^2 /NDF: 41515274988.4/56

All: 18.248+/-0.000 χ^2 /NDF: 86171820812.7

- sign 18.278+/-0.000 χ^2 /NDF: 44600343346.1/59

yield_sam5_rms vs Slug



Right In: 0.035 $\pm$ 0.000 χ^2 /NDF: 2459828.8/31

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:633519.6/24

Right Out: 0.036 $\pm$ 0.000 χ^2 /NDF: 2806822.8/36

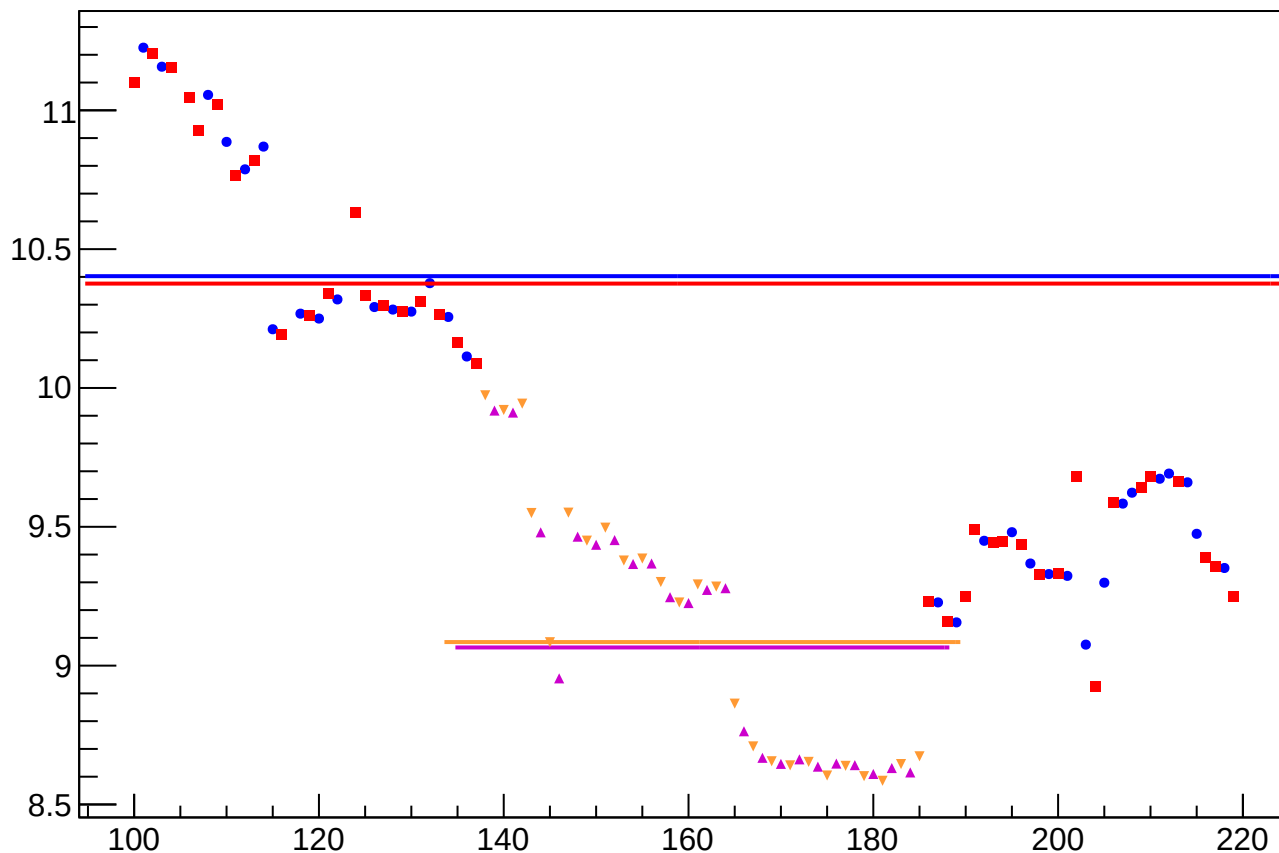
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:482919.2/22

+ sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3344832.2/56

All: 0.033 $\pm$ 0.000 χ^2 /NDF: 7016838.7/116

- sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3655365.2/59

yield_sam6_mean vs Slug



Right In: 10.403 ± 0.000 χ^2/NDF : 17798929445.1/31

Left Out: 9.085 ± 0.000 χ^2/NDF : 10203625727.4/24

Right Out: 10.376 ± 0.000 χ^2/NDF : 17540532924.1/36

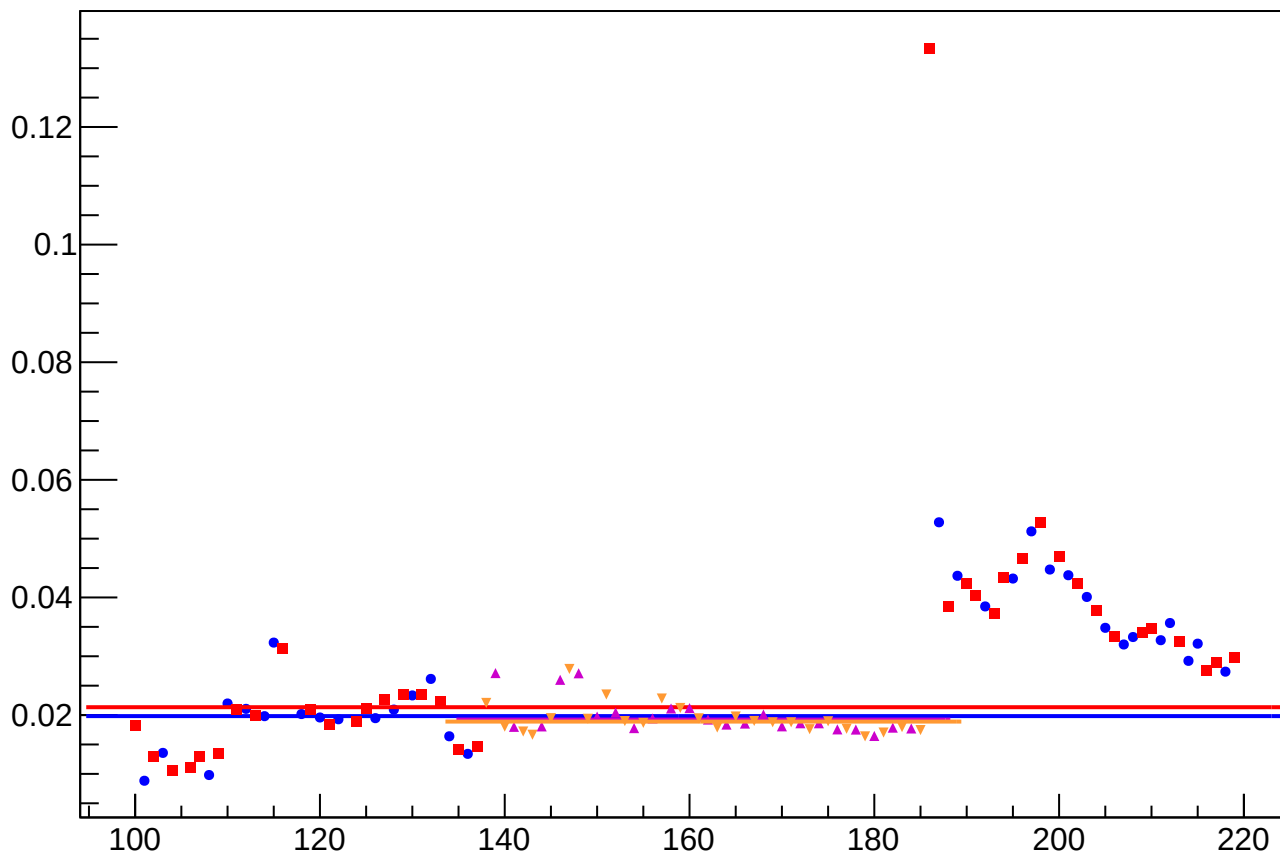
Left In: 9.065 ± 0.000 χ^2/NDF : 8070708662.0/22

+ sign 9.653 ± 0.000 χ^2/NDF : 64919282624.9/56

All: 9.650 ± 0.000 χ^2/NDF : 124595881324.1

- sign 9.646 ± 0.000 χ^2/NDF : 59674283636.7/59

yield_sam6_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 8554363.6/31

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:441360.7/24

Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 8279438.3/36

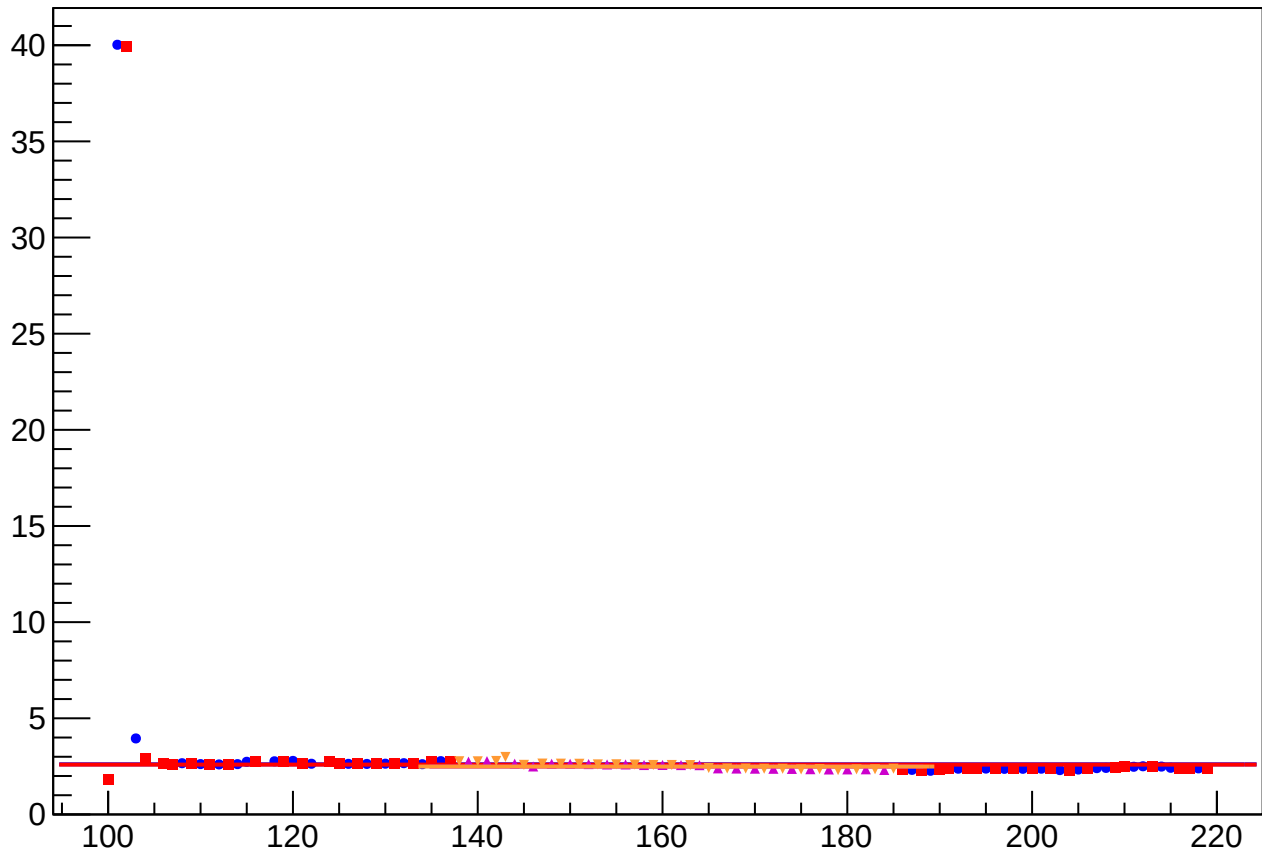
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:540886.4/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 9032525.0/56

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 18091694.2/116

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 8996257.9/59

yield_sam7_mean vs Slug



Right In: 2.607 $\pm$ 0.000 χ^2 /NDF: 90759992560.6/31

Left Out: 2.491 $\pm$ 0.000 χ^2 /NDF: 92364283353.6/24

Right Out: 2.592 $\pm$ 0.000 χ^2 /NDF: 90899825682.1/36

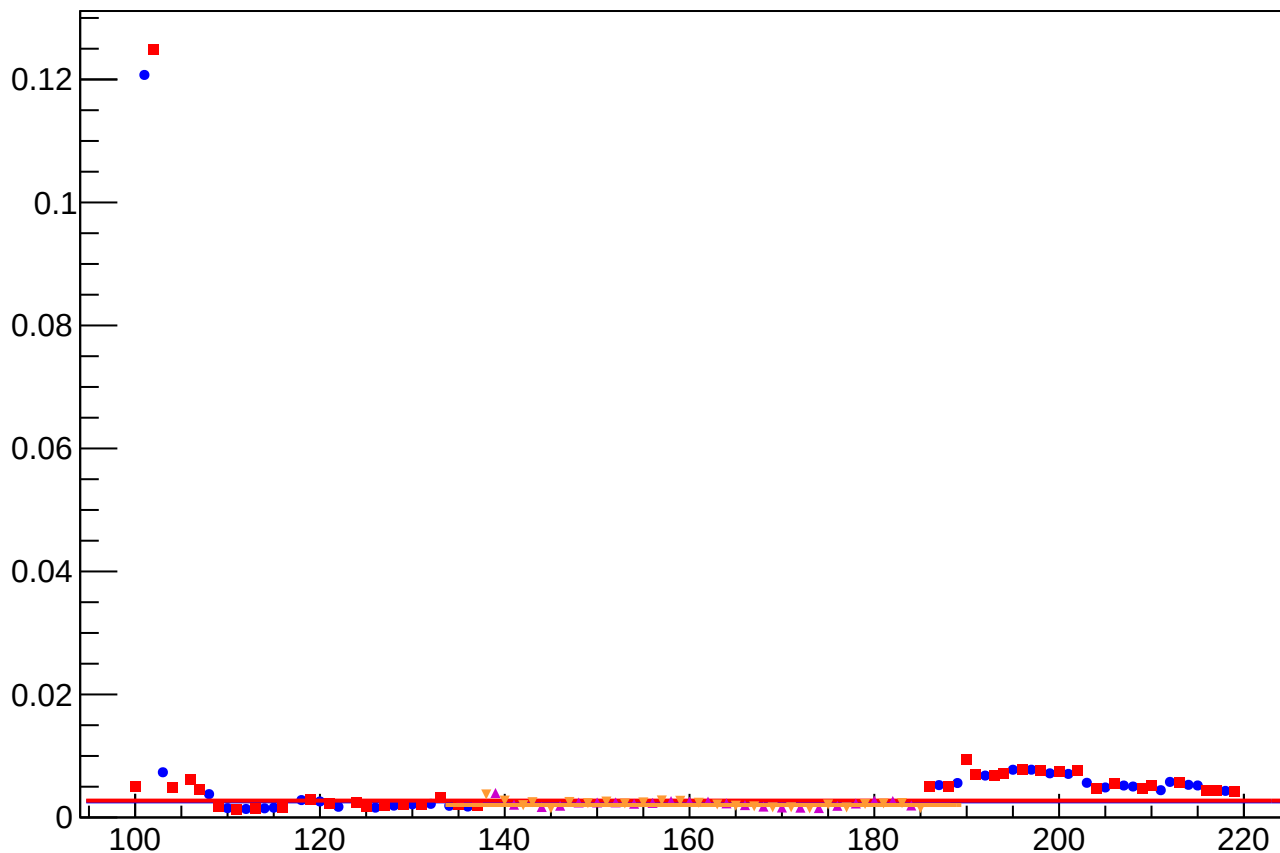
Left In: 2.489 $\pm$ 0.000 χ^2 /NDF: 61212546319.1/22

+ sign 2.529 $\pm$ 0.000 χ^2 /NDF: 199683858845.1/56

All: 2.527 $\pm$ 0.000 χ^2 /NDF: 364667428645.1

- sign 2.525 $\pm$ 0.000 χ^2 /NDF: 164926196664.6/59

yield_sam7_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 11082789.9/31

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1556481.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 12069593.0/36

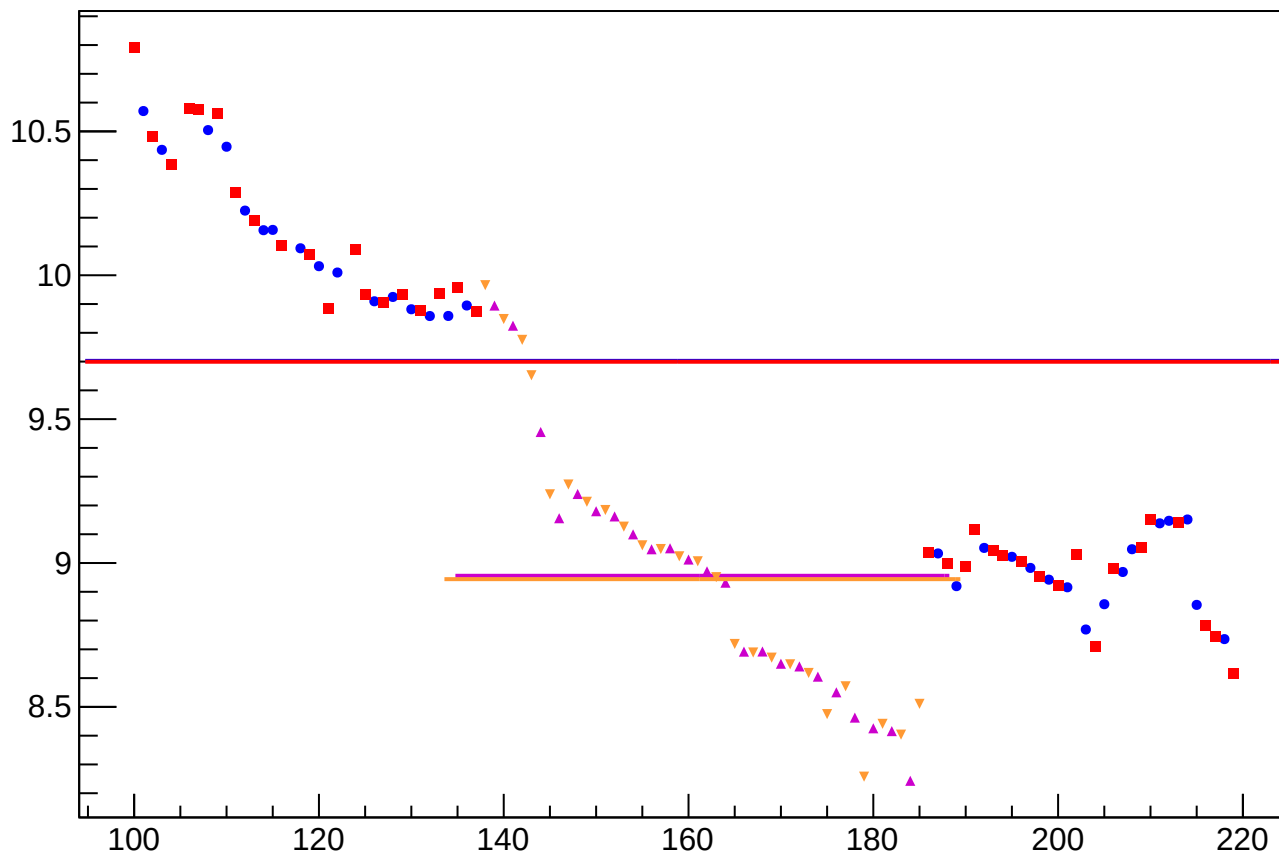
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1402331.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13496347.5/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 28099200.2/116

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 14564108.3/59

yield_sam8_mean vs Slug



Right In: 9.702+/-0.000 χ^2/NDF : 100738919508.1/31

Left Out: 8.944+/-0.000 χ^2/NDF : 65887712966.5/24

Right Out: 9.700+/-0.000 χ^2/NDF : 131162306869.6/36

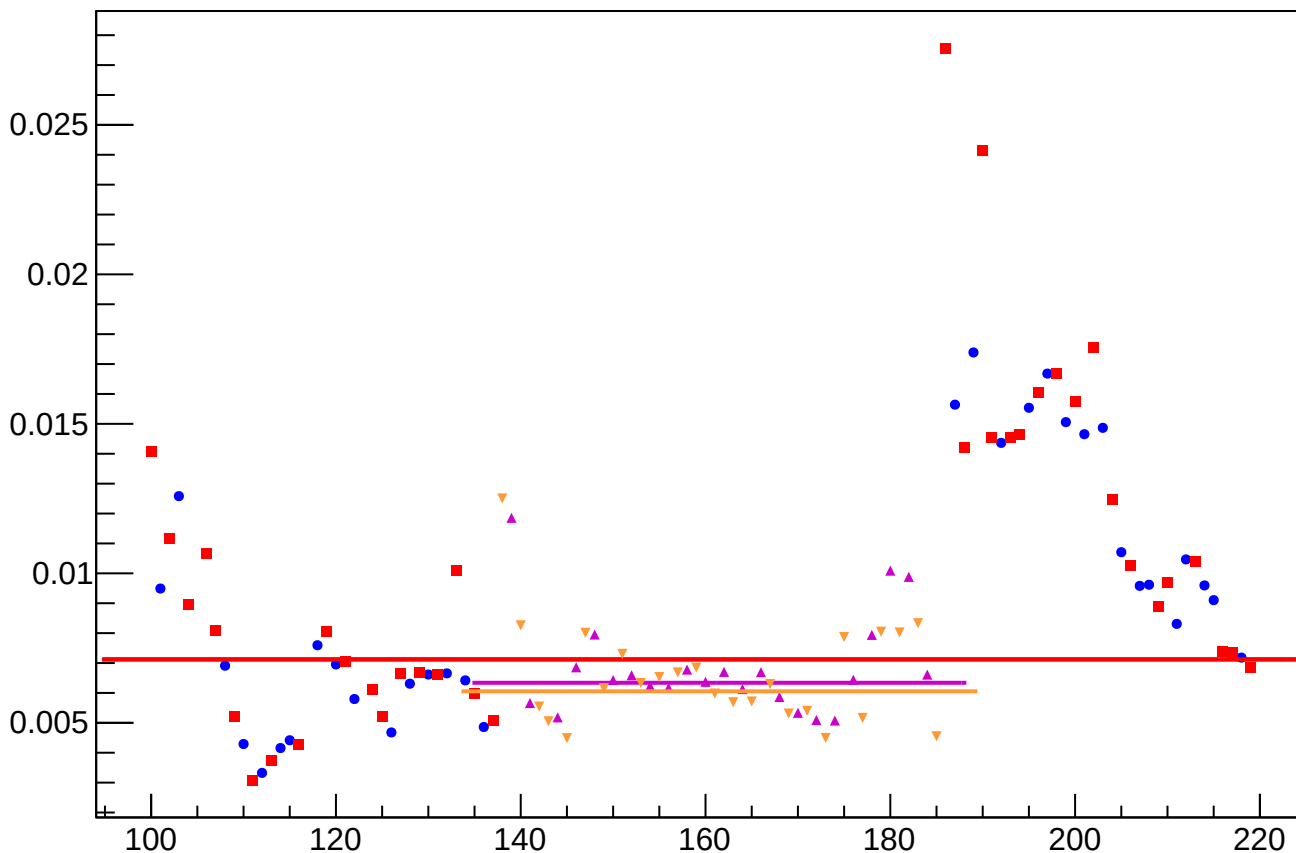
Left In: 8.956+/-0.000 χ^2/NDF : 51572164470.4/22

+ sign 9.261+/-0.000 χ^2/NDF : 266676735686.0/56

All: 9.280+/-0.000 χ^2/NDF : 542633112825.0

- sign 9.300+/-0.000 χ^2/NDF : 275427756363.6/59

yield_sam8_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 6699032.9/31

Left Out: 0.006+/-0.000 χ^2/NDF :1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF : 8347375.2/36

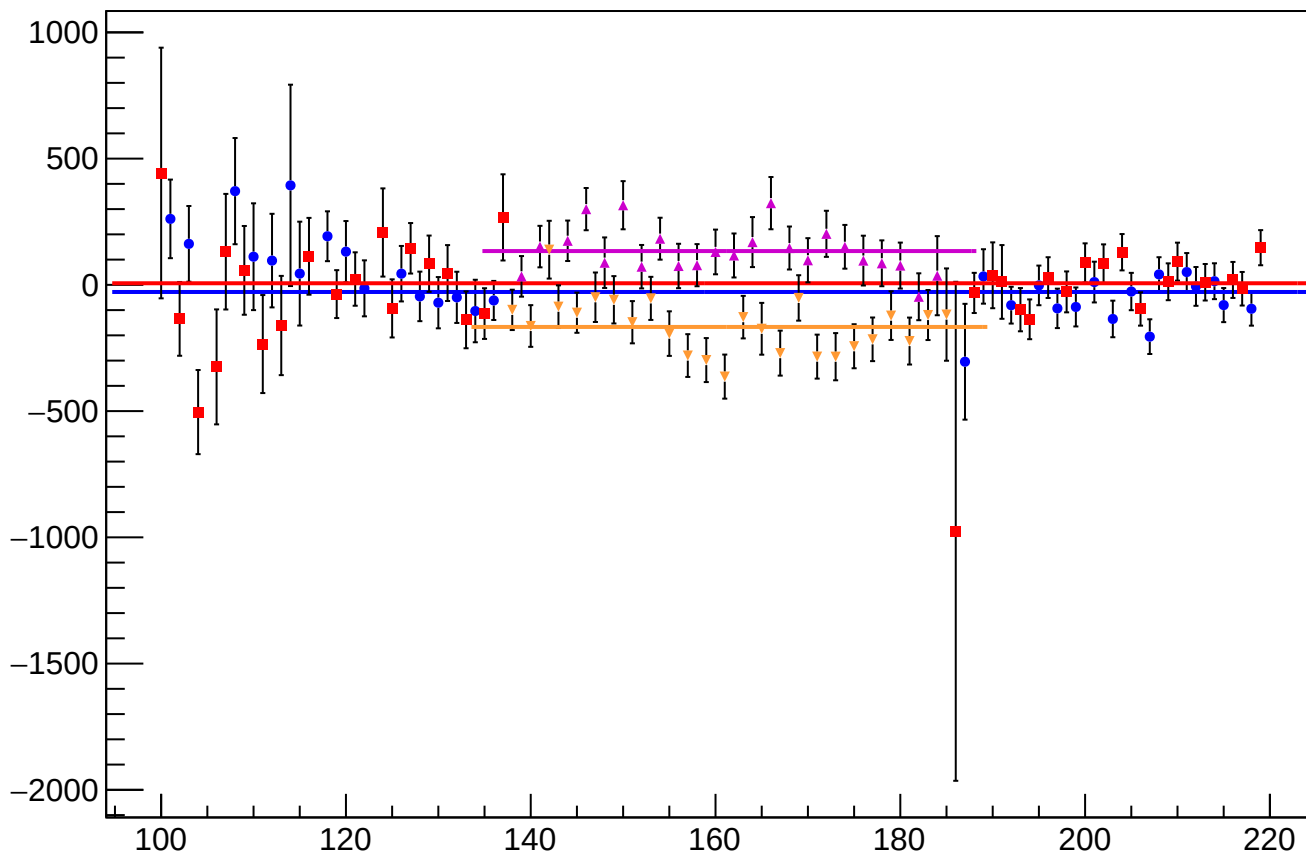
Left In: 0.006+/-0.000 χ^2/NDF :1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF : 8554328.0/56

All: 0.007+/-0.000 χ^2/NDF : 18312629.5/116

- sign 0.007+/-0.000 χ^2/NDF : 9729269.9/59

reg_asym_sam1_mean vs Slug



Right In: -28.212 ± 16.254 χ^2/NDF : 35.7/31

Left Out: -166.676 ± 18.079 χ^2/NDF : 31.6/24

Right Out: 6.347 ± 16.114 χ^2/NDF : 45.9/36

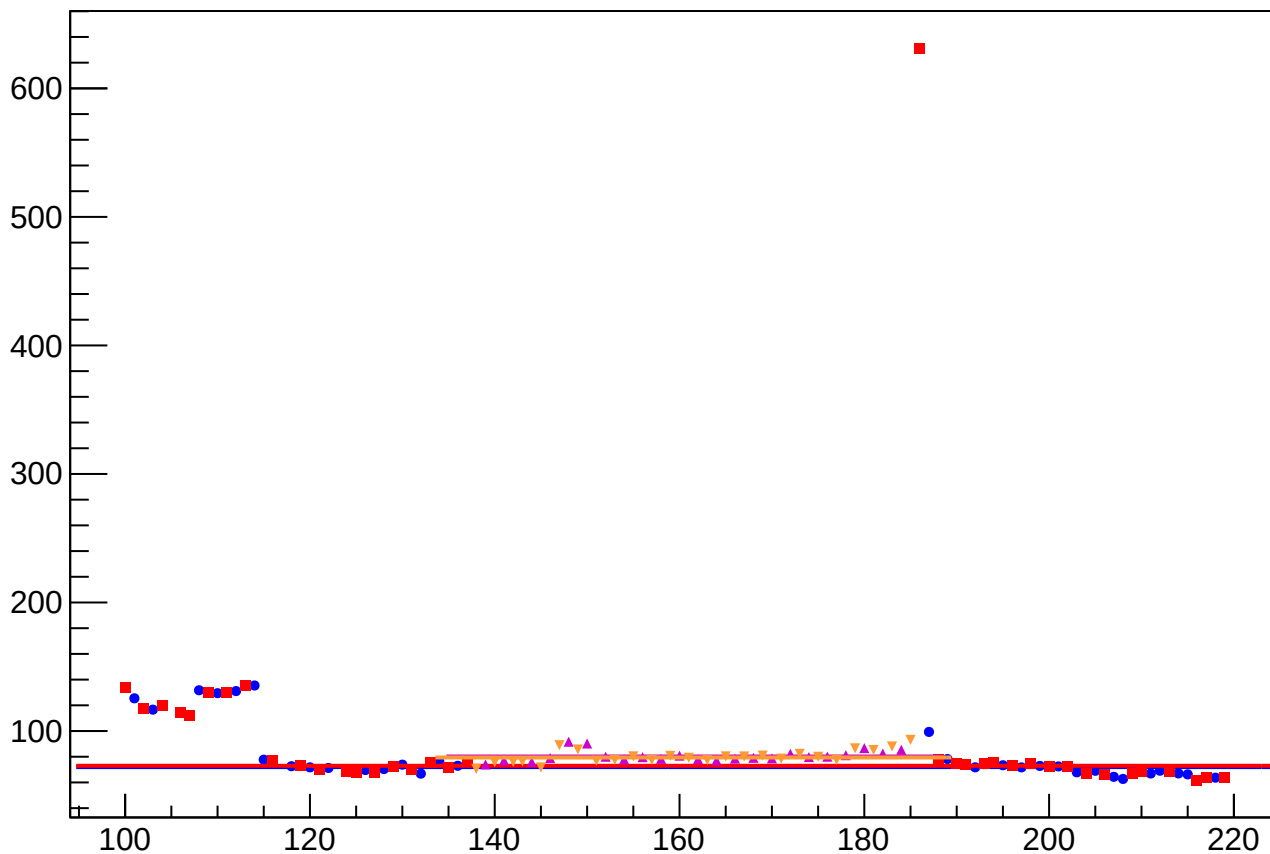
Left In: 133.843 ± 18.756 χ^2/NDF : 20.7/22

+ sign -90.107 ± 12.087 χ^2/NDF : 99.8/56

All: -15.646 ± 8.595 χ^2/NDF : 269.7/116

- sign 60.493 ± 12.223 χ^2/NDF : 93.2/59

reg_asym_sam1_rms vs Slug



Right In: 71.943 $\pm$ 0.011 χ^2 /NDF: 1161491.2/31

Left Out: 79.410 $\pm$ 0.013 χ^2 /NDF:134796.0/24

Right Out: 72.949 $\pm$ 0.011 χ^2 /NDF: 1940415.5/36

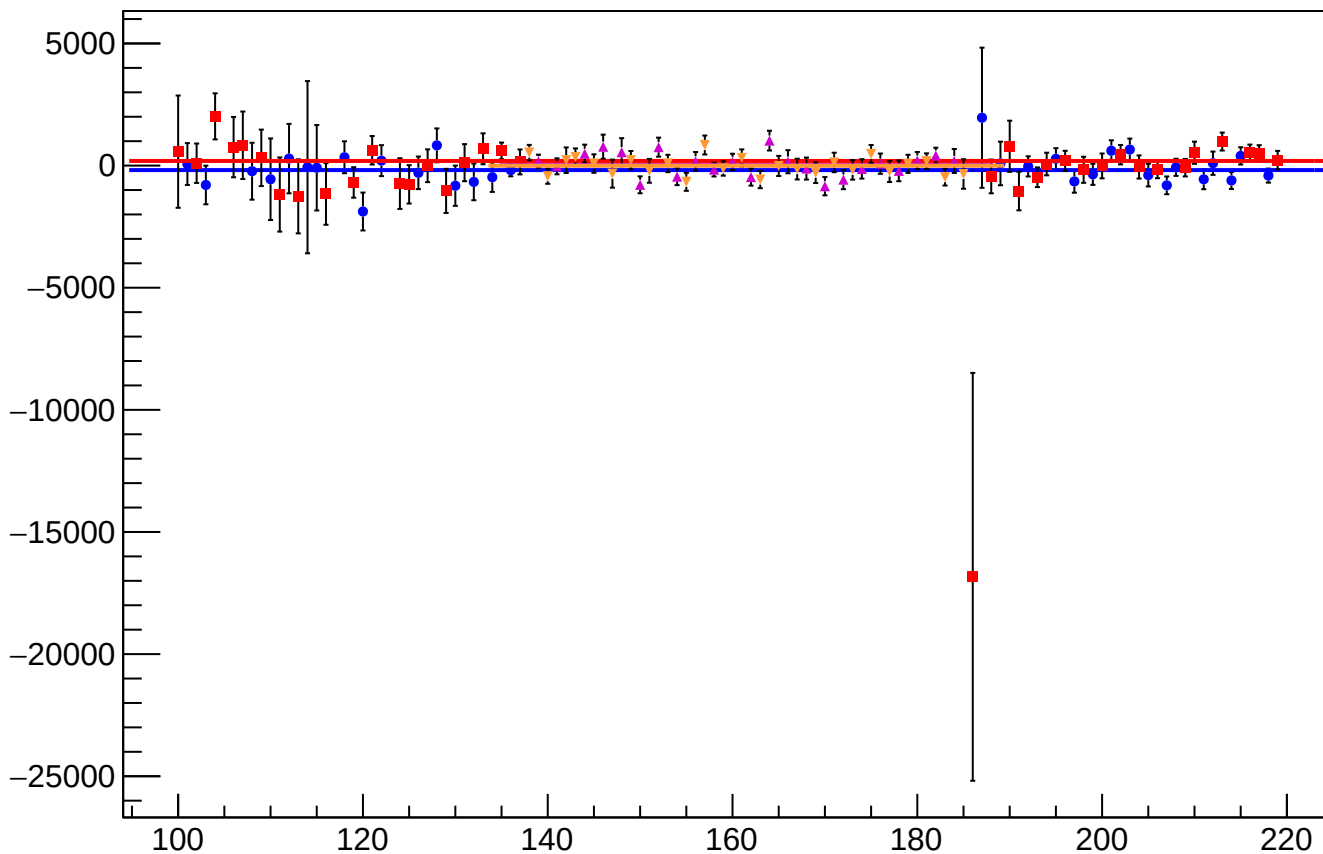
Left In: 80.160 $\pm$ 0.013 χ^2 /NDF:91469.5/22

+ sign 75.281 $\pm$ 0.009 χ^2 /NDF: 1484968.9/56

All: 75.642 $\pm$ 0.006 χ^2 /NDF: 3690540.8/116

- sign 76.012 $\pm$ 0.009 χ^2 /NDF: 2201959.5/59

asym_sam1_reg_correction_mean vs Slug



Right In: -183.759 ± 87.936 χ^2/NDF : 29.3/31

Left Out: -3.474 ± 75.863 χ^2/NDF : 24.0/24

Right Out: 190.475 ± 88.342 χ^2/NDF : 36.8/36

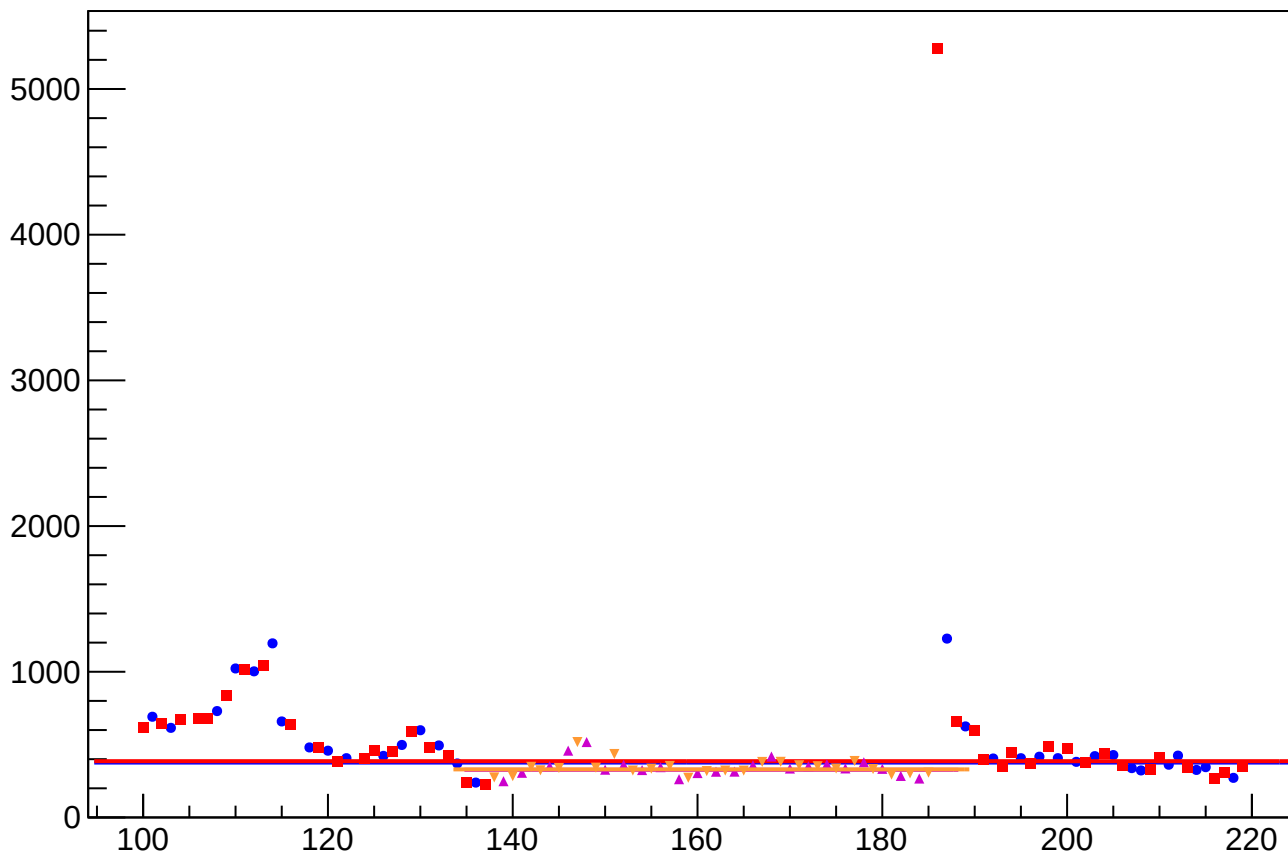
Left In: 19.298 ± 77.541 χ^2/NDF : 35.0/22

+ sign -80.400 ± 57.441 χ^2/NDF : 55.7/56

All: 5.437 ± 40.909 χ^2/NDF : 134.2/116

- sign 93.787 ± 58.276 χ^2/NDF : 74.0/59

asym_sam1_reg_correction_rms vs Slug



Right In: 376.719+/-0.062 χ^2/NDF : 3244145.9/31

Left Out: 329.968+/-0.054 χ^2/NDF : 659241.4/24

Right Out: 386.306+/-0.062 χ^2/NDF : 4276770.5/36

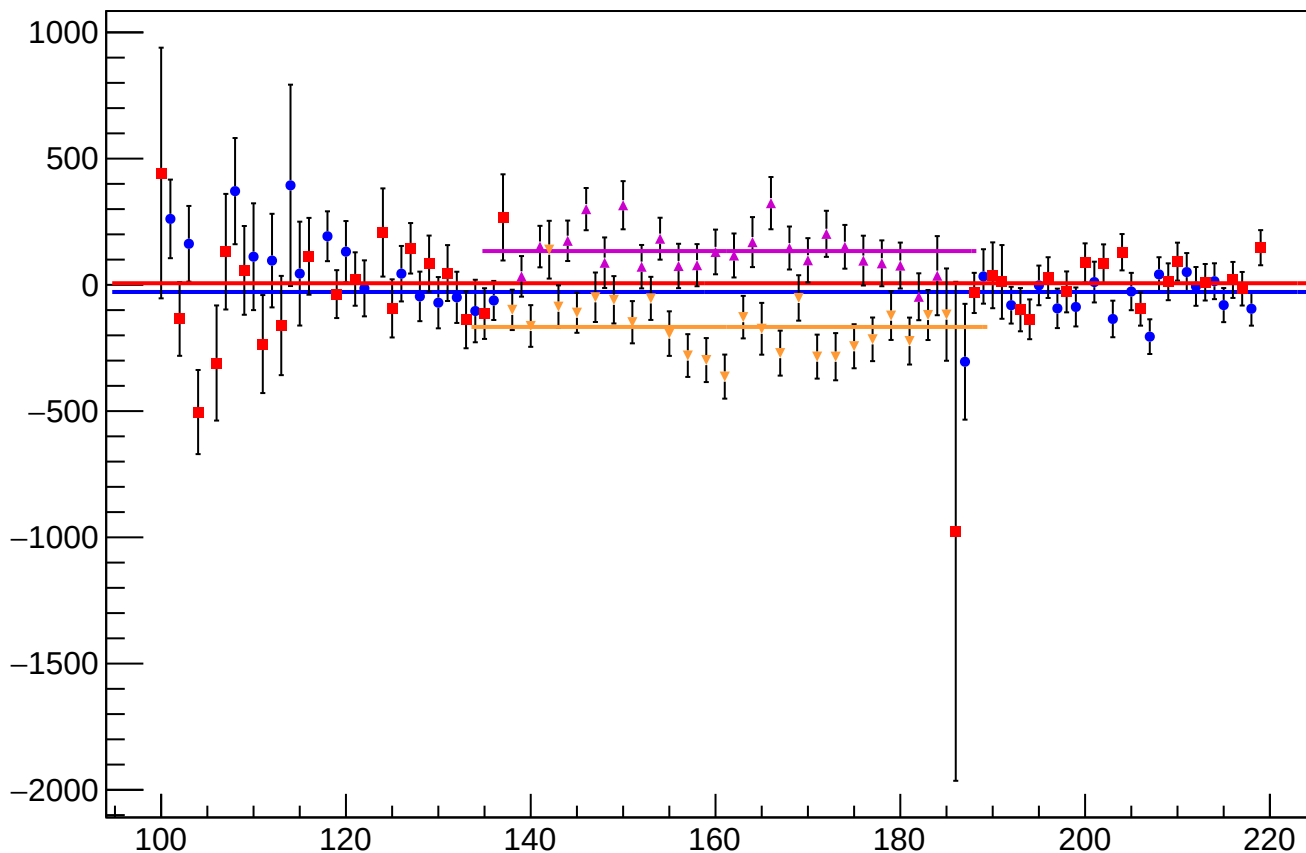
Left In: 326.963+/-0.055 χ^2/NDF : 899326.3/22

+ sign 349.916+/-0.041 χ^2/NDF : 4227482.4/56

All: 351.331+/-0.029 χ^2/NDF : 9915787.1/116

- sign 352.787+/-0.041 χ^2/NDF : 5685843.2/59

cor_asym_sam1_mean vs Slug



Right In: -28.214 ± 16.254 χ^2/NDF : 35.7/31

Left Out: -166.675 ± 18.079 χ^2/NDF : 31.6/24

Right Out: 6.429 ± 16.115 χ^2/NDF : 45.7/36

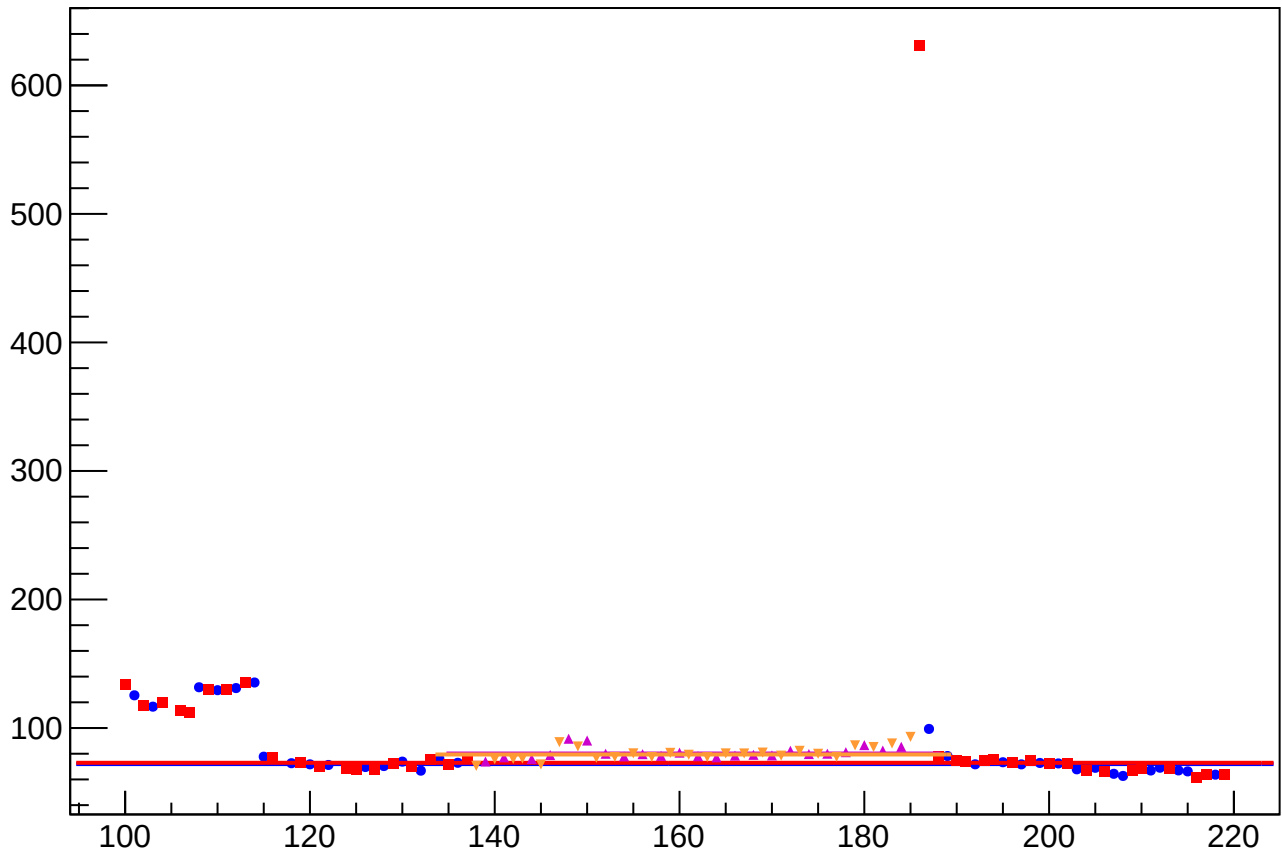
Left In: 133.850 ± 18.756 χ^2/NDF : 20.7/22

+ sign -90.107 ± 12.087 χ^2/NDF : 99.8/56

All: -15.622 ± 8.595 χ^2/NDF : 269.6/116

- sign 60.543 ± 12.223 χ^2/NDF : 93.0/59

cor_asym_sam1_rms vs Slug



Right In: 71.943+/-0.011 χ^2/NDF : 1161491.4/31

Left Out: 79.410+/-0.013 χ^2/NDF : 134796.1/24

Right Out: 72.945+/-0.011 χ^2/NDF : 1937970.8/36

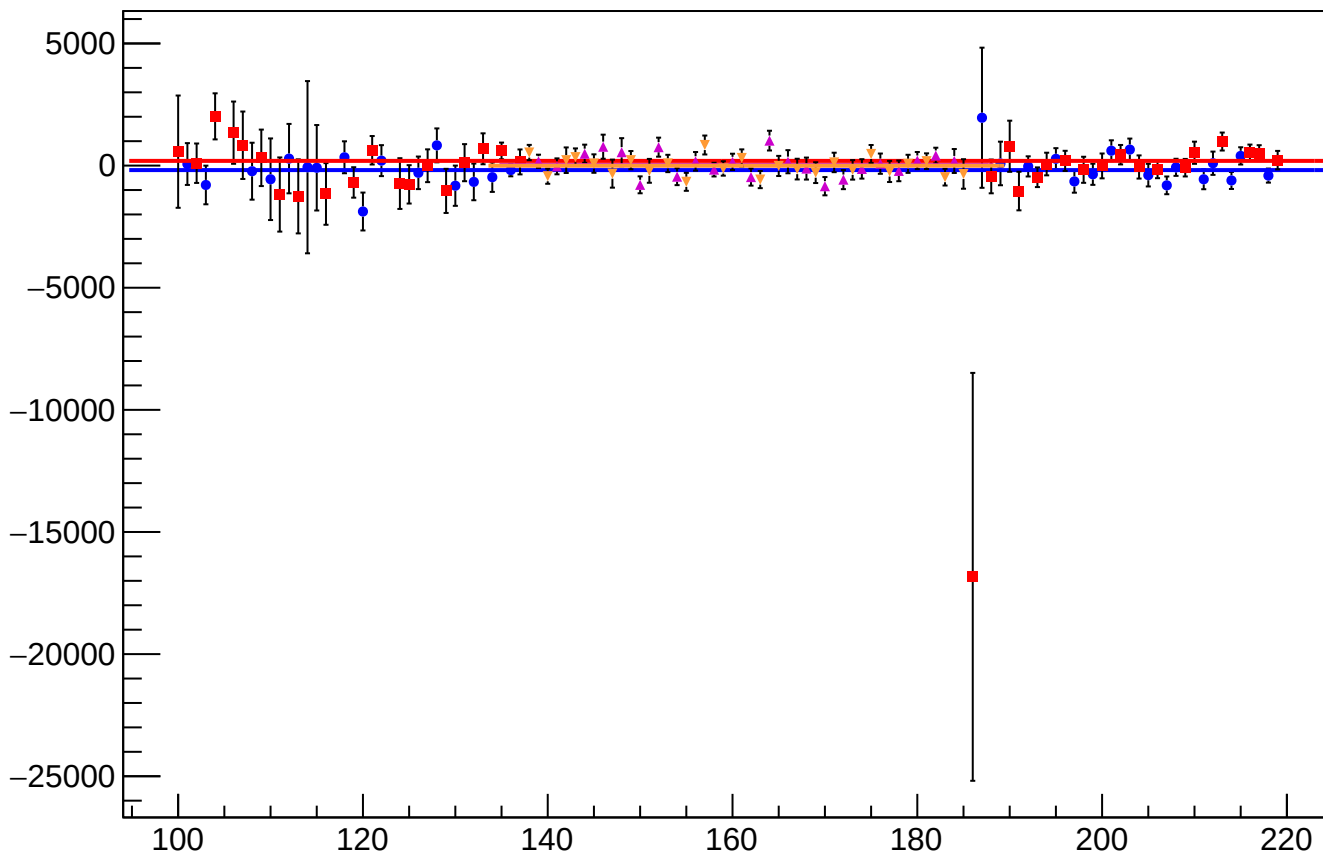
Left In: 80.160+/-0.013 χ^2/NDF : 91469.5/22

+ sign 75.281+/-0.009 χ^2/NDF : 1484969.1/56

All: 75.641+/-0.006 χ^2/NDF : 3688269.4/116

- sign 76.009+/-0.009 χ^2/NDF : 2199711.4/59

asym_sam1_cor_correction_mean vs Slug



Right In: -183.764 ± 87.936 χ^2/NDF : 29.3/31

Left Out: -3.474 ± 75.863 χ^2/NDF : 24.0/24

Right Out: 193.149 ± 88.356 χ^2/NDF : 37.4/36

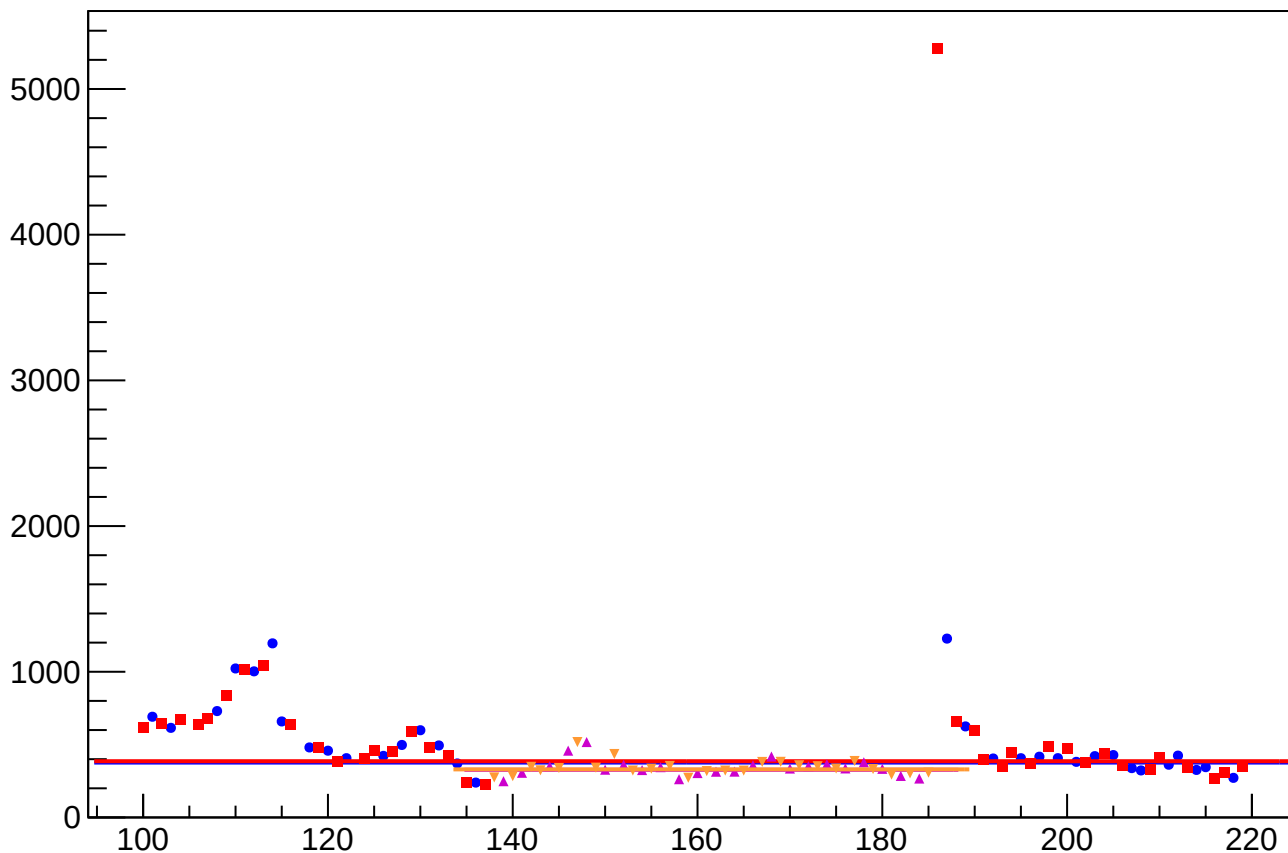
Left In: 19.305 ± 77.541 χ^2/NDF : 35.0/22

+ sign -80.402 ± 57.441 χ^2/NDF : 55.7/56

All: 5.999 ± 40.910 χ^2/NDF : 135.0/116

- sign 94.942 ± 58.280 χ^2/NDF : 74.6/59

asym_sam1_cor_correction_rms vs Slug



Right In: 376.719+/-0.062 χ^2/NDF : 3244148.5/31

Left Out: 329.968+/-0.054 χ^2/NDF : 659249.8/24

Right Out: 386.027+/-0.062 χ^2/NDF : 4243510.3/36

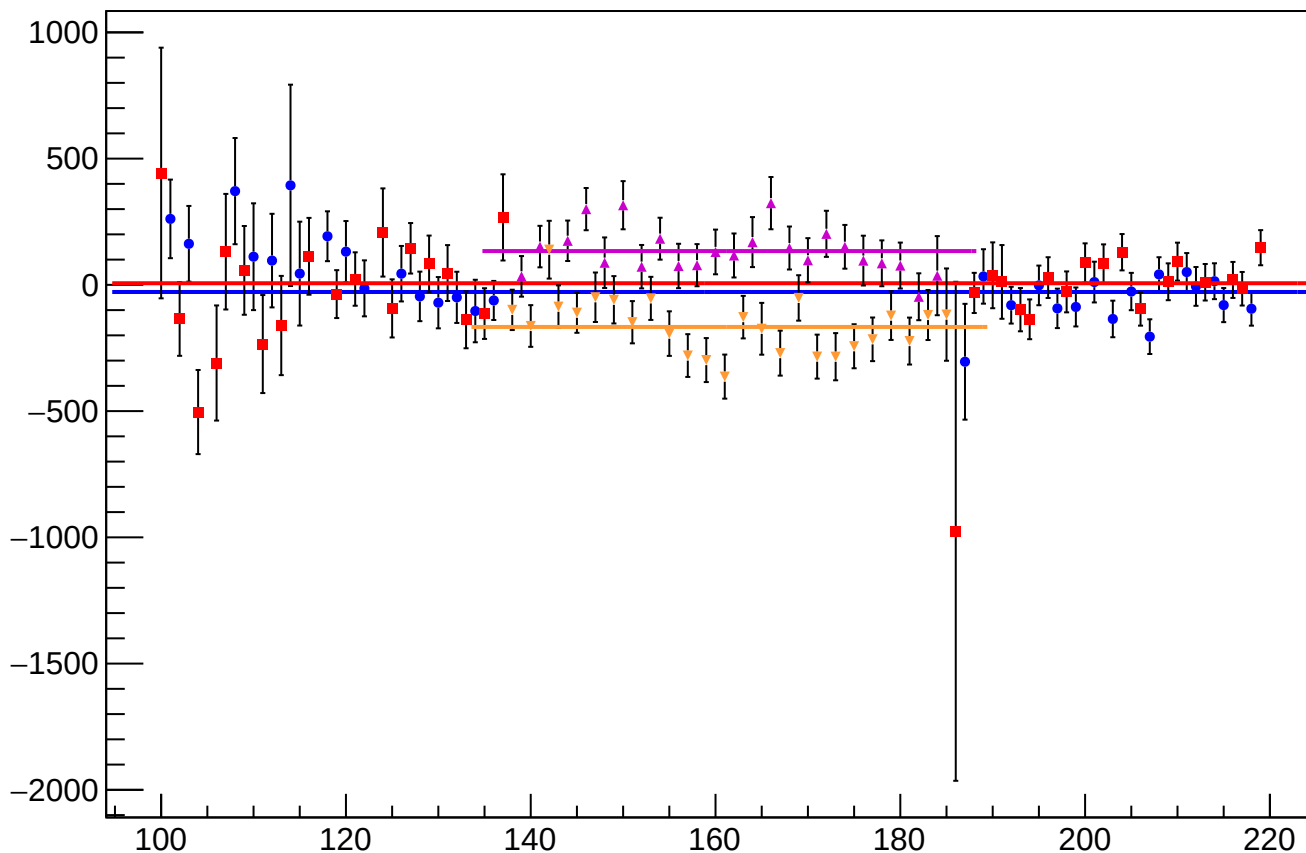
Left In: 326.963+/-0.055 χ^2/NDF : 899329.3/22

+ sign 349.916+/-0.041 χ^2/NDF : 4227493.7/56

All: 351.269+/-0.029 χ^2/NDF : 9877467.2/116

- sign 352.661+/-0.041 χ^2/NDF : 5647722.8/59

eigen_cor_asym_sam1_mean vs Slug



Right In: -28.214 ± 16.254 χ^2/NDF : 35.7/31

Left Out: -166.675 ± 18.079 χ^2/NDF : 31.6/24

Right Out: 6.429 ± 16.115 χ^2/NDF : 45.7/36

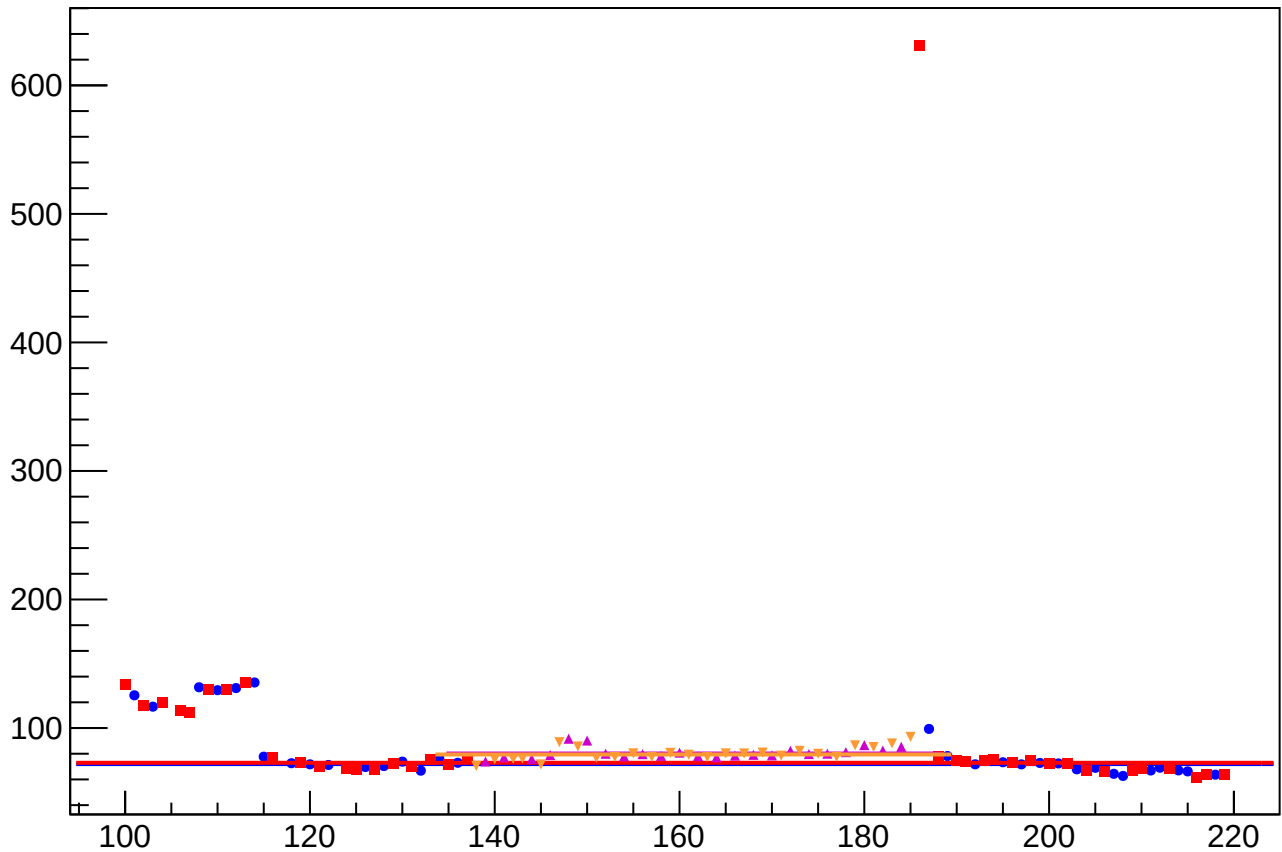
Left In: 133.850 ± 18.756 χ^2/NDF : 20.7/22

+ sign -90.107 ± 12.087 χ^2/NDF : 99.8/56

All: -15.622 ± 8.595 χ^2/NDF : 269.6/116

- sign 60.543 ± 12.223 χ^2/NDF : 93.0/59

eigen_cor_asym_sam1_rms vs Slug



Right In: 71.943+/-0.011 χ^2/NDF : 1161491.4/31

Left Out: 79.410+/-0.013 χ^2/NDF : 134796.1/24

Right Out: 72.945+/-0.011 χ^2/NDF : 1937970.8/36

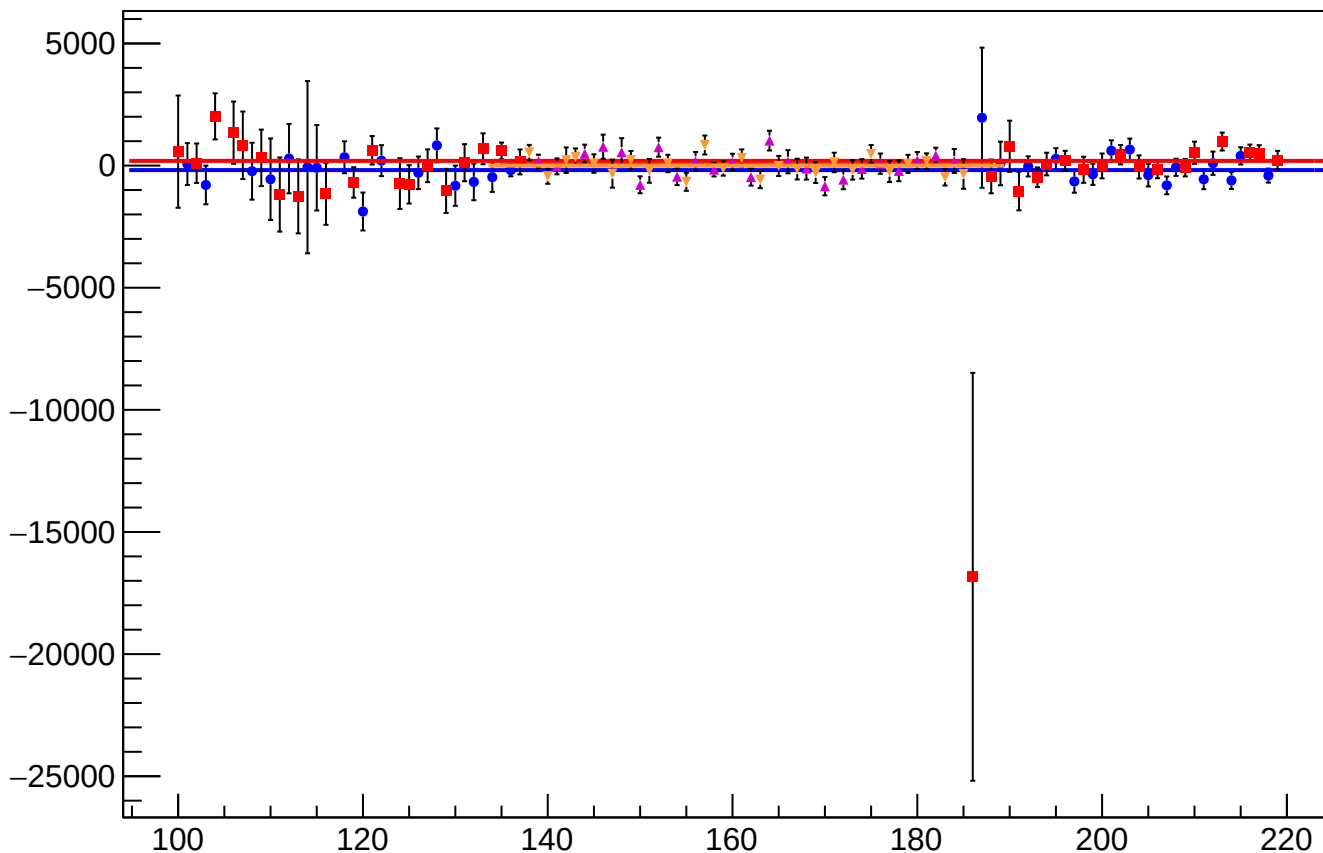
Left In: 80.160+/-0.013 χ^2/NDF : 91469.5/22

+ sign 75.281+/-0.009 χ^2/NDF : 1484969.1/56

All: 75.641+/-0.006 χ^2/NDF : 3688269.4/116

- sign 76.009+/-0.009 χ^2/NDF : 2199711.4/59

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -183.764 ± 87.936 χ^2/NDF : 29.3/31

Left Out: -3.474 ± 75.863 χ^2/NDF : 24.0/24

Right Out: 193.149 ± 88.356 χ^2/NDF : 37.4/36

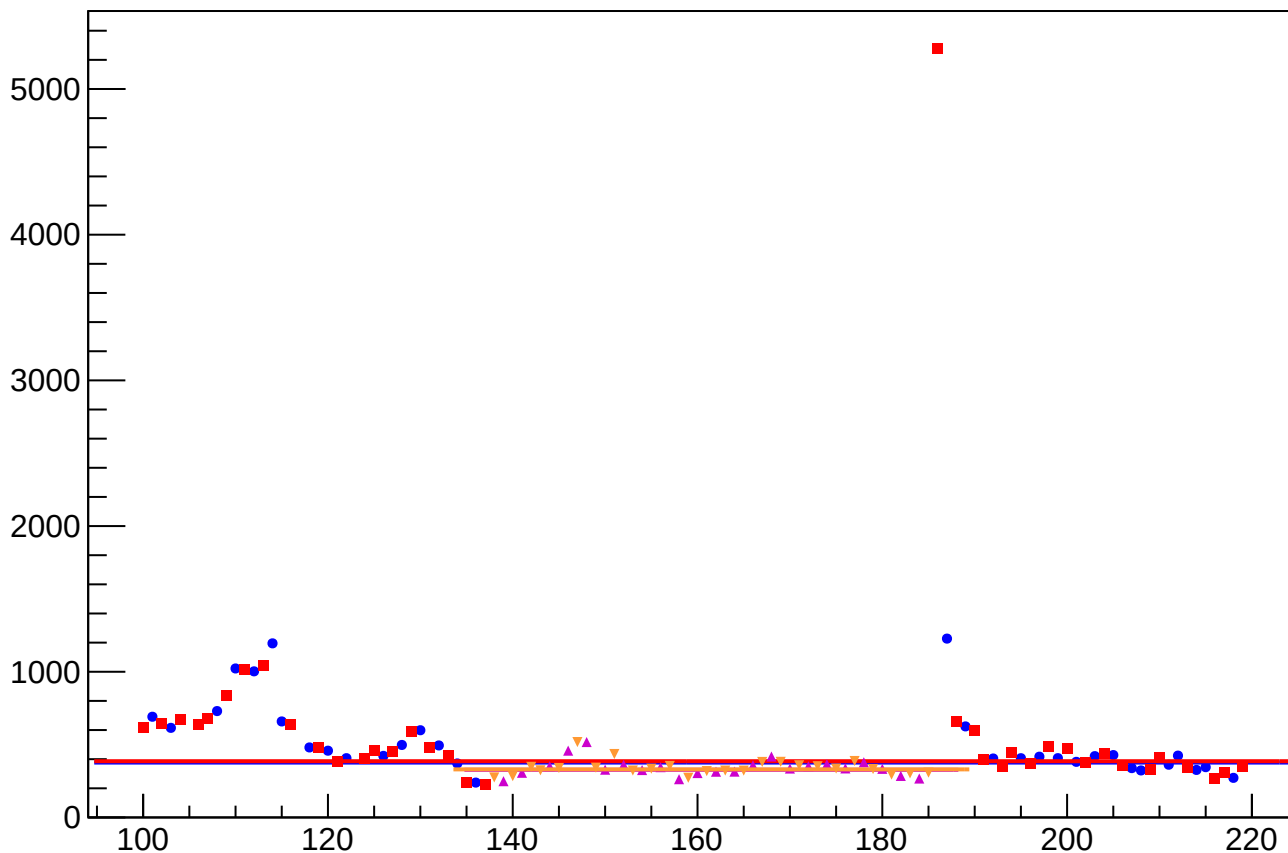
Left In: 19.305 ± 77.541 χ^2/NDF : 35.0/22

+ sign -80.402 ± 57.441 χ^2/NDF : 55.7/56

All: 5.999 ± 40.910 χ^2/NDF : 135.0/116

- sign 94.942 ± 58.280 χ^2/NDF : 74.6/59

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 376.719+/-0.062 χ^2/NDF : 3244148.5/31

Left Out: 329.968+/-0.054 χ^2/NDF : 659249.8/24

Right Out: 386.027+/-0.062 χ^2/NDF : 4243510.3/36

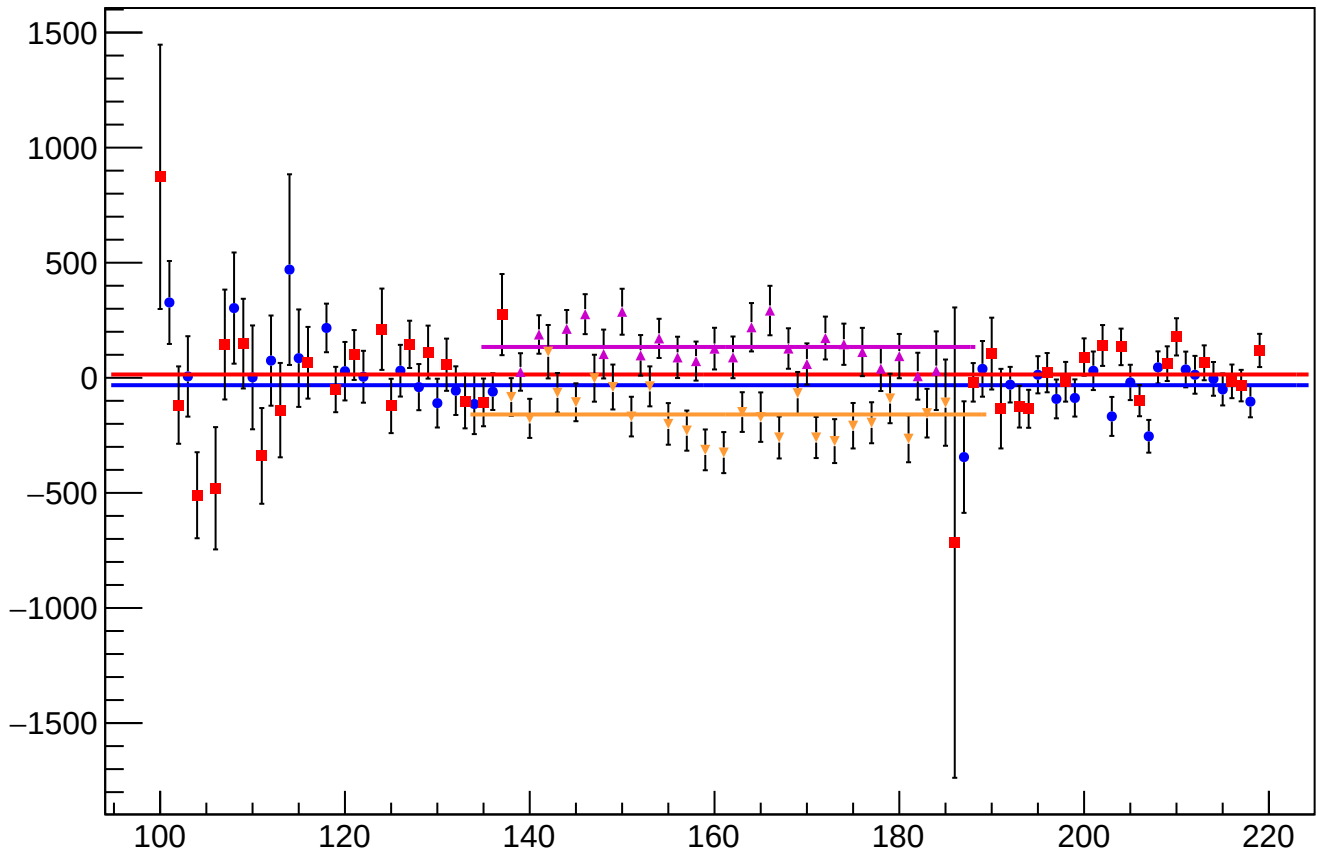
Left In: 326.963+/-0.055 χ^2/NDF : 899329.3/22

+ sign 349.916+/-0.041 χ^2/NDF : 4227493.7/56

All: 351.269+/-0.029 χ^2/NDF : 9877467.2/116

- sign 352.661+/-0.041 χ^2/NDF : 5647722.8/59

dit_asym_sam1_mean vs Slug



Right In: -32.098 ± 17.056 χ^2/NDF : 35.2/31

Left Out: -159.223 ± 18.749 χ^2/NDF : 28.2/24

Right Out: 14.424 ± 17.001 χ^2/NDF : 52.4/36

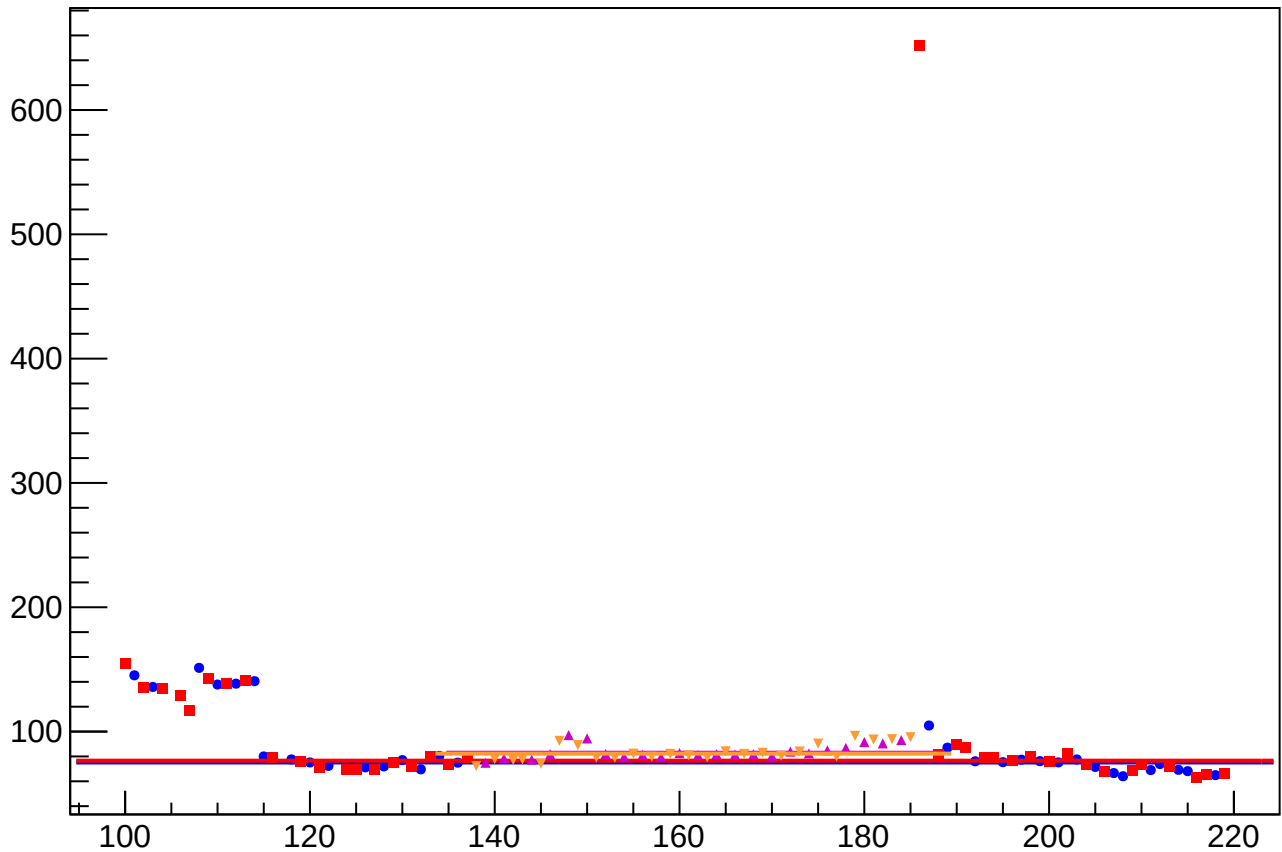
Left In: 134.010 ± 19.441 χ^2/NDF : 16.4/22

+ sign -89.663 ± 12.617 χ^2/NDF : 88.5/56

All: -12.818 ± 8.985 χ^2/NDF : 254.0/116

- sign 66.246 ± 12.798 χ^2/NDF : 90.2/59

dit_asym_sam1_rms vs Slug



Right In: 75.134 $\pm$ 0.012 χ^2 /NDF: 1401776.1/31

Left Out: 82.247 $\pm$ 0.013 χ^2 /NDF: 216548.3/24

Right Out: 76.601 $\pm$ 0.012 χ^2 /NDF: 2162068.4/36

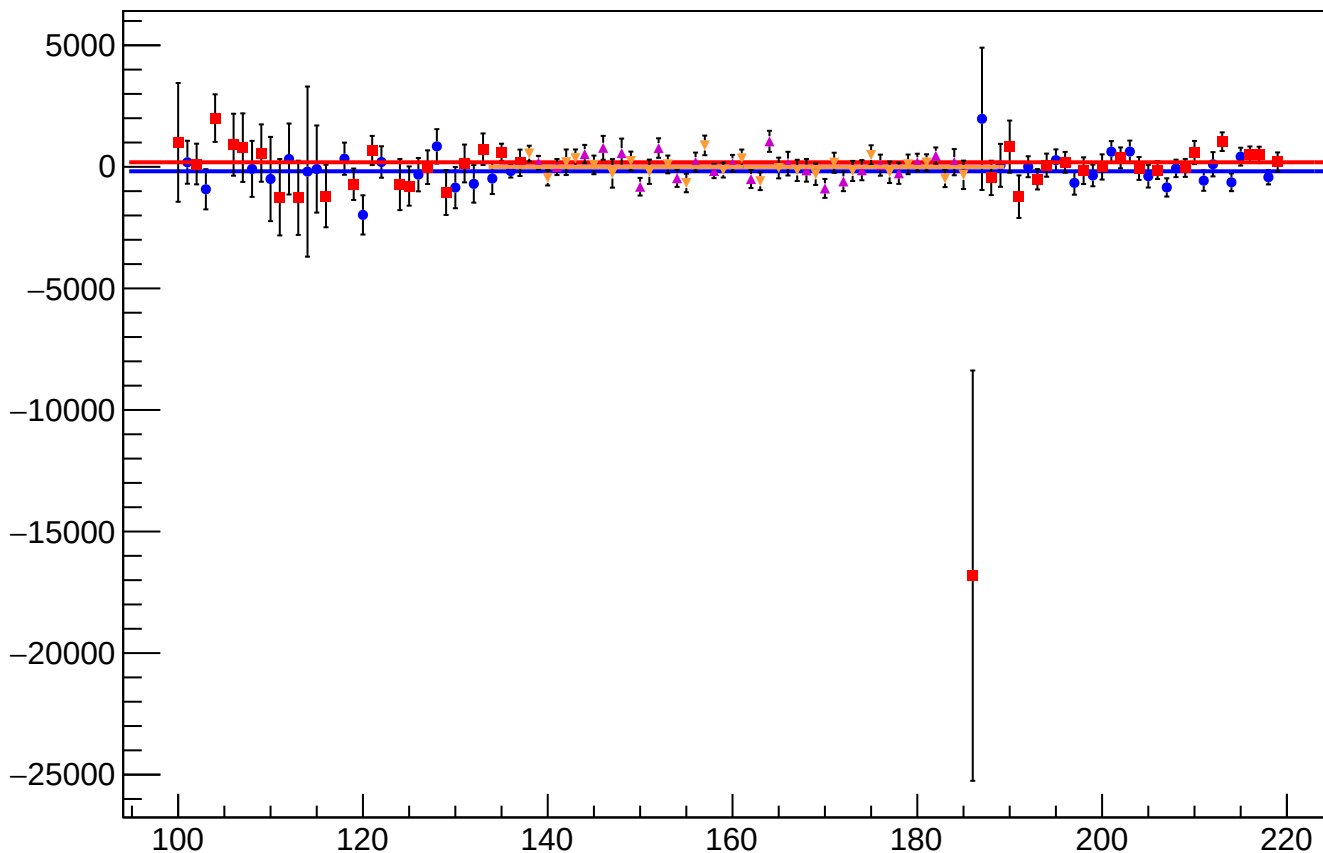
Left In: 82.993 $\pm$ 0.014 χ^2 /NDF: 145608.6/22

+ sign 78.355 $\pm$ 0.009 χ^2 /NDF: 1775832.4/56

All: 78.856 $\pm$ 0.006 χ^2 /NDF: 4212429.0/116

- sign 79.371 $\pm$ 0.009 χ^2 /NDF: 2430209.1/59

asym_sam1_dit_correction_mean vs Slug



Right In: -182.464 $\pm$ 90.811 χ^2 /NDF: 29.6/31

Left Out: -3.095 $\pm$ 78.582 χ^2 /NDF: 23.5/24

Right Out: 188.120 $\pm$ 91.538 χ^2 /NDF: 36.1/36

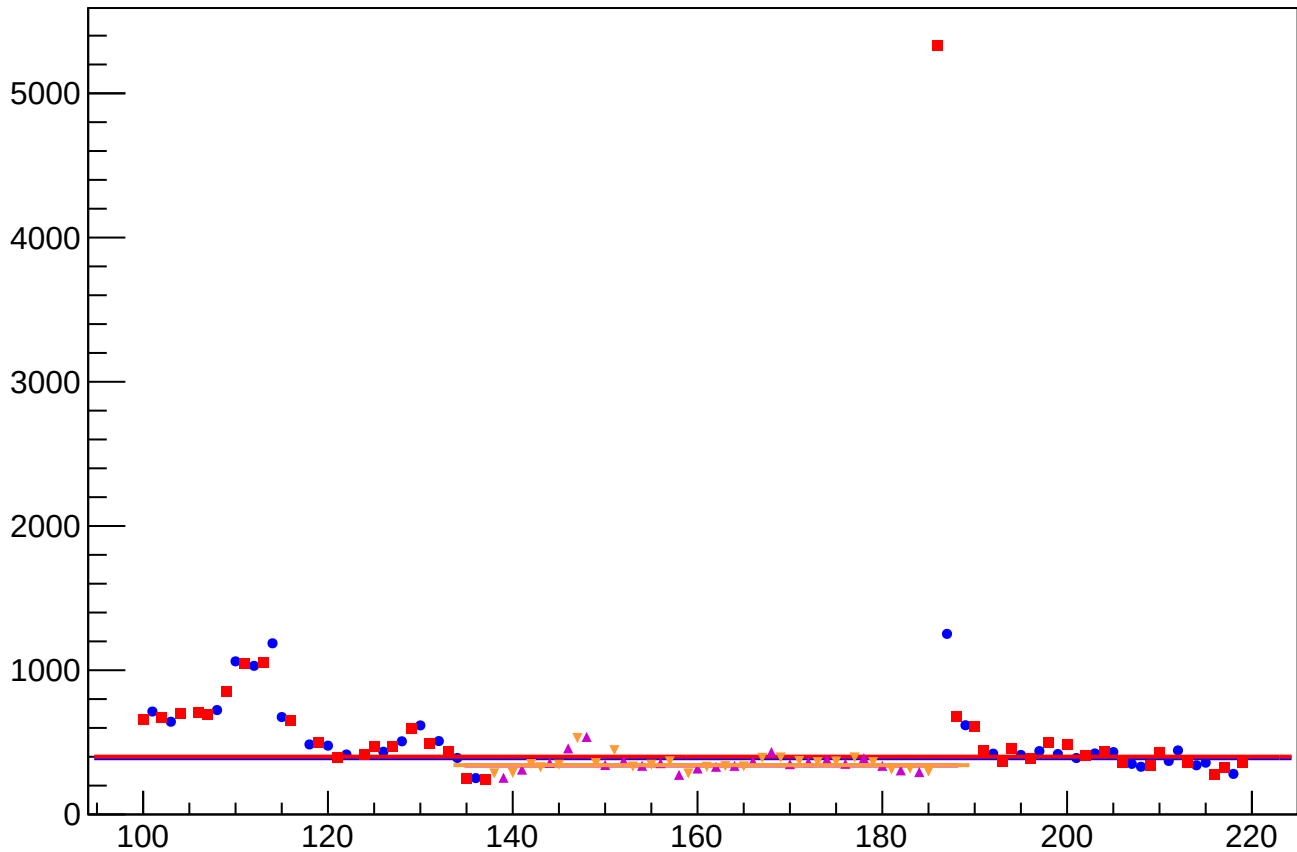
Left In: 16.519 $\pm$ 80.410 χ^2 /NDF: 34.9/22

+ sign -79.897 $\pm$ 59.423 χ^2 /NDF: 55.3/56

All: 4.269 $\pm$ 42.363 χ^2 /NDF: 132.4/116

- sign 91.260 $\pm$ 60.411 χ^2 /NDF: 73.0/59

asym_sam1_dit_correction_rms vs Slug



Right In: 389.820 $\pm$ 0.064 χ^2 /NDF: 3119728.0/31

Left Out: 341.918 $\pm$ 0.056 χ^2 /NDF:653930.4/24

Right Out: 400.844 $\pm$ 0.065 χ^2 /NDF: 4166719.3/36

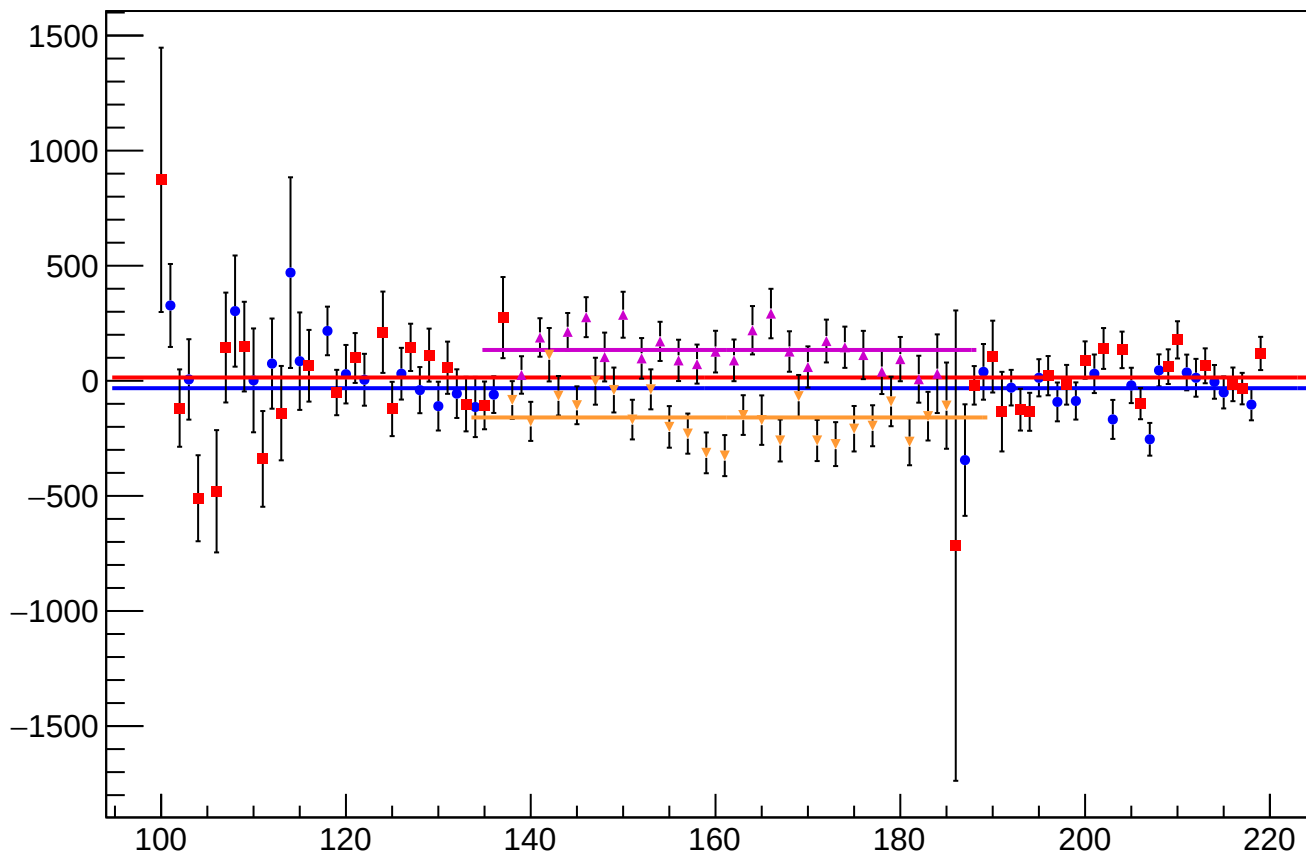
Left In: 339.430 $\pm$ 0.057 χ^2 /NDF:846706.0/22

+ sign 362.428 $\pm$ 0.042 χ^2 /NDF: 4091875.3/56

All: 364.273 $\pm$ 0.030 χ^2 /NDF: 9617372.1/116

- sign 366.179 $\pm$ 0.043 χ^2 /NDF: 5521579.0/59

eigen_dit_asym_sam1_mean vs Slug



Right In: -32.097 ± 17.056 χ^2/NDF : 35.2/31

Left Out: -159.223 ± 18.749 χ^2/NDF : 28.2/24

Right Out: 14.425 ± 17.001 χ^2/NDF : 52.4/36

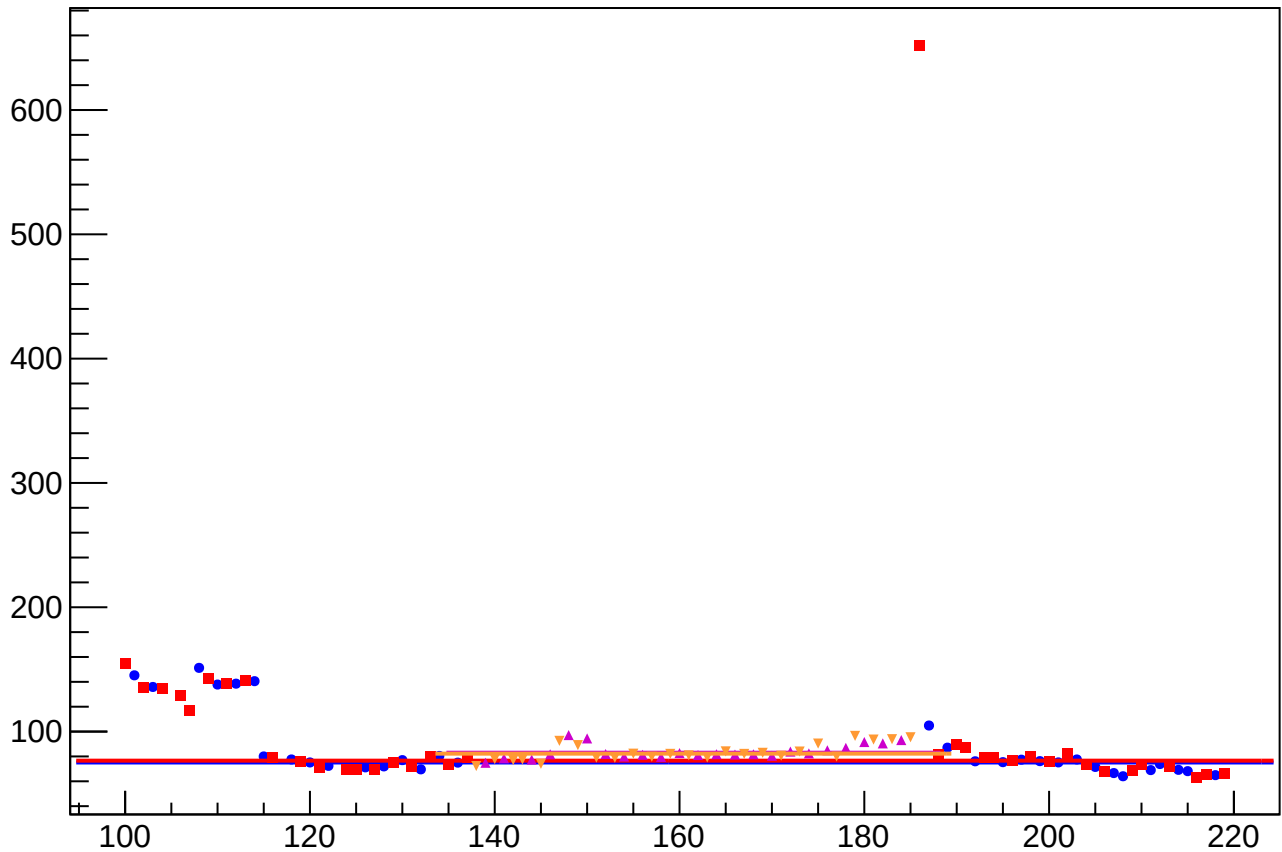
Left In: 134.010 ± 19.441 χ^2/NDF : 16.4/22

+ sign -89.662 ± 12.617 χ^2/NDF : 88.5/56

All: -12.818 ± 8.985 χ^2/NDF : 254.0/116

- sign 66.246 ± 12.798 χ^2/NDF : 90.2/59

eigen_dit_asym_sam1_rms vs Slug



Right In: 75.134+/-0.012 χ^2/NDF : 1401776.9/31

Left Out: 82.247+/-0.013 χ^2/NDF : 216548.5/24

Right Out: 76.600+/-0.012 χ^2/NDF : 2162068.8/36

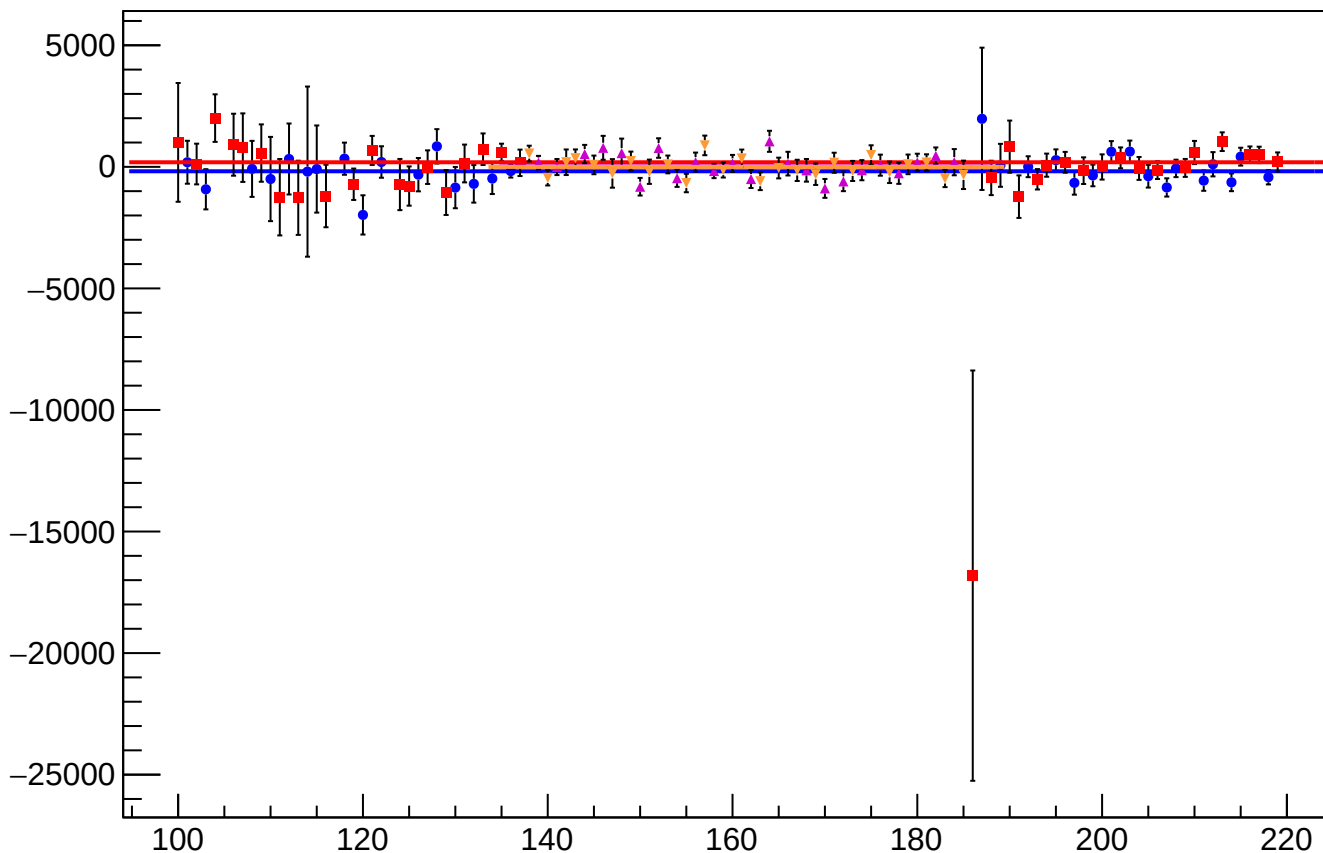
Left In: 82.993+/-0.014 χ^2/NDF : 145607.1/22

+ sign 78.355+/-0.009 χ^2/NDF : 1775838.5/56

All: 78.856+/-0.006 χ^2/NDF : 4212438.6/116

- sign 79.371+/-0.009 χ^2/NDF : 2430212.9/59

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -182.463 $\pm$ 90.811 χ^2 /NDF: 29.6/31

Left Out: -3.094 $\pm$ 78.582 χ^2 /NDF: 23.5/24

Right Out: 188.121 $\pm$ 91.537 χ^2 /NDF: 36.1/36

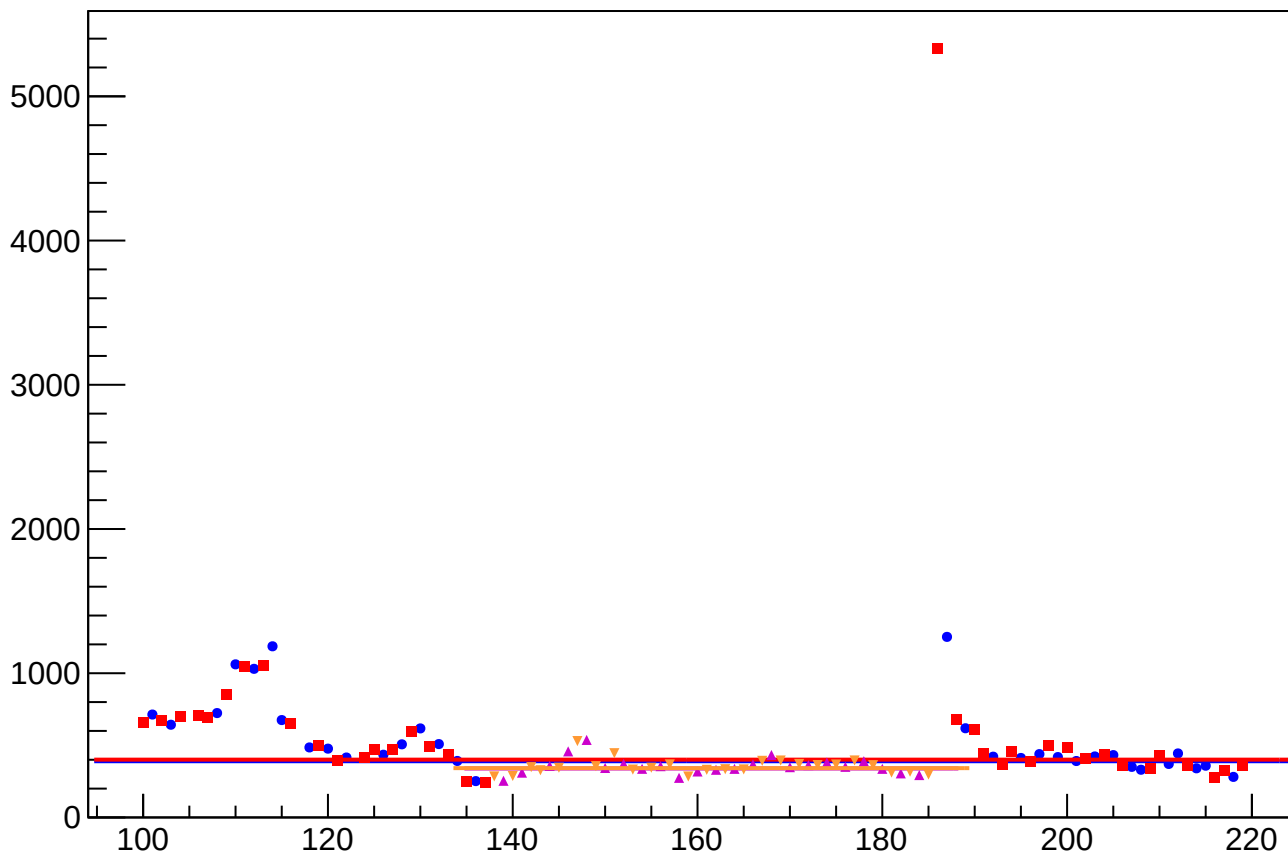
Left In: 16.519 $\pm$ 80.410 χ^2 /NDF: 34.9/22

+ sign -79.896 $\pm$ 59.423 χ^2 /NDF: 55.3/56

All: 4.270 $\pm$ 42.363 χ^2 /NDF: 132.4/116

- sign 91.260 $\pm$ 60.411 χ^2 /NDF: 73.0/59

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 389.819 $\pm$ 0.064 χ^2 /NDF: 3119732.3/31

Left Out: 341.918 $\pm$ 0.056 χ^2 /NDF:653932.3/24

Right Out: 400.843 $\pm$ 0.065 χ^2 /NDF: 4166726.5/36

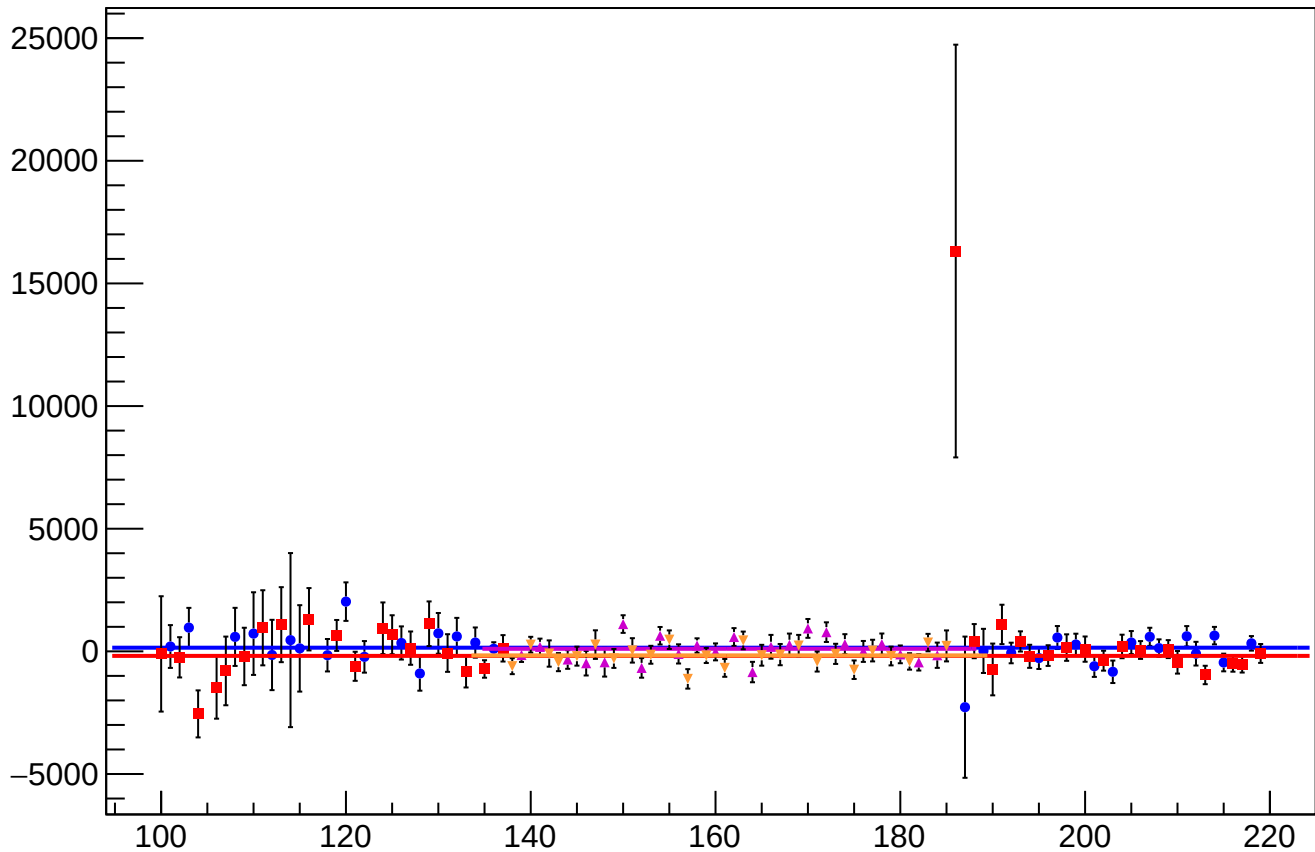
Left In: 339.430 $\pm$ 0.057 χ^2 /NDF:846709.1/22

+ sign 362.428 $\pm$ 0.042 χ^2 /NDF: 4091872.5/56

All: 364.272 $\pm$ 0.030 χ^2 /NDF: 9617367.3/116

- sign 366.178 $\pm$ 0.043 χ^2 /NDF: 5521577.1/59

asym_sam1_mean vs Slug



Right In: 149.458 $\pm$ 89.806 χ^2 /NDF: 29.6/31

Left Out: -167.380 $\pm$ 78.179 χ^2 /NDF: 25.6/24

Right Out: -184.611 $\pm$ 90.163 χ^2 /NDF: 39.1/36

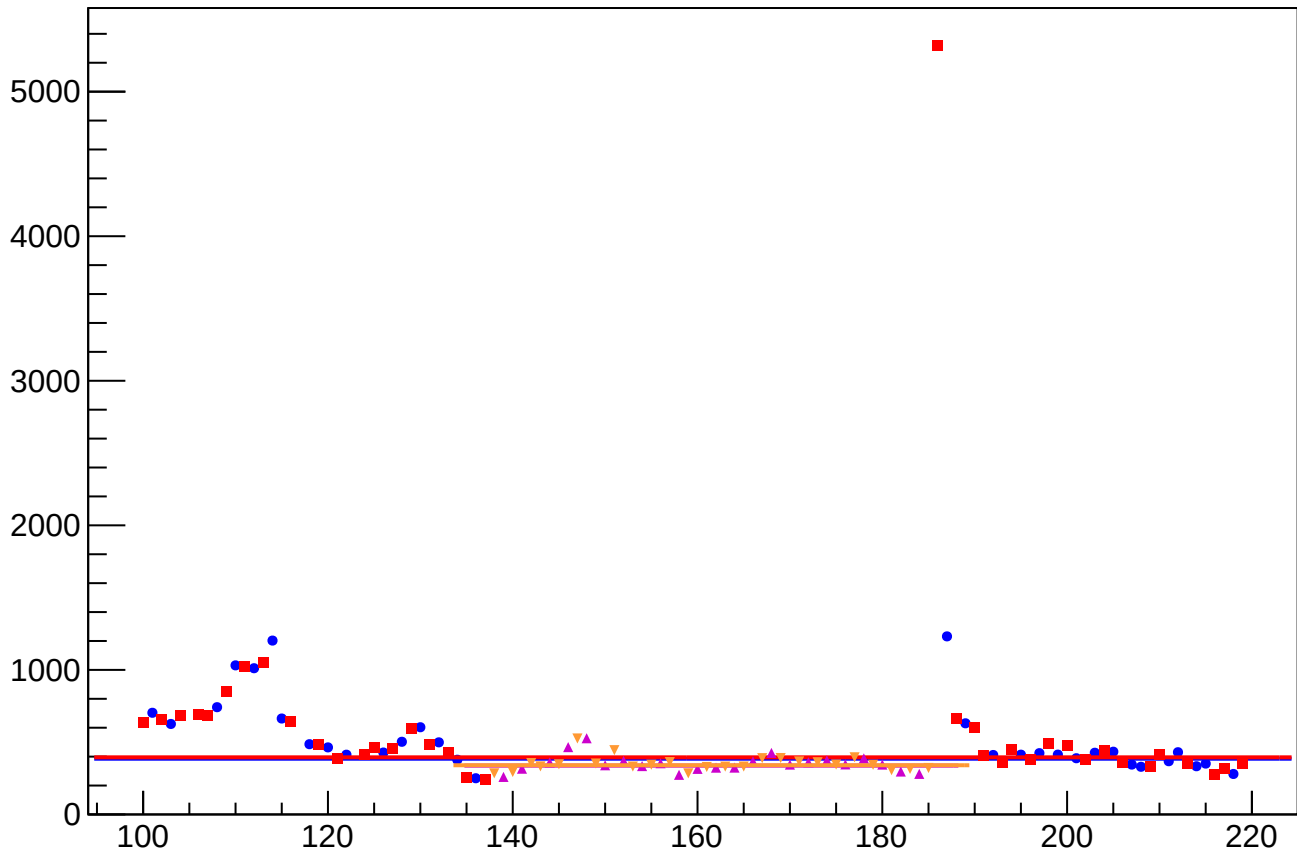
Left In: 104.016 $\pm$ 79.995 χ^2 /NDF: 37.5/22

+ sign -30.787 $\pm$ 58.966 χ^2 /NDF: 62.2/56

All: -27.006 $\pm$ 42.000 χ^2 /NDF: 144.6/116

- sign -23.113 $\pm$ 59.839 χ^2 /NDF: 82.4/59

asym_sam1_rms vs Slug



Right In: 385.636 $\pm$ 0.064 χ^2 /NDF: 3092029.7/31

Left Out: 340.391 $\pm$ 0.055 χ^2 /NDF:604155.3/24

Right Out: 395.095 $\pm$ 0.064 χ^2 /NDF: 4119432.6/36

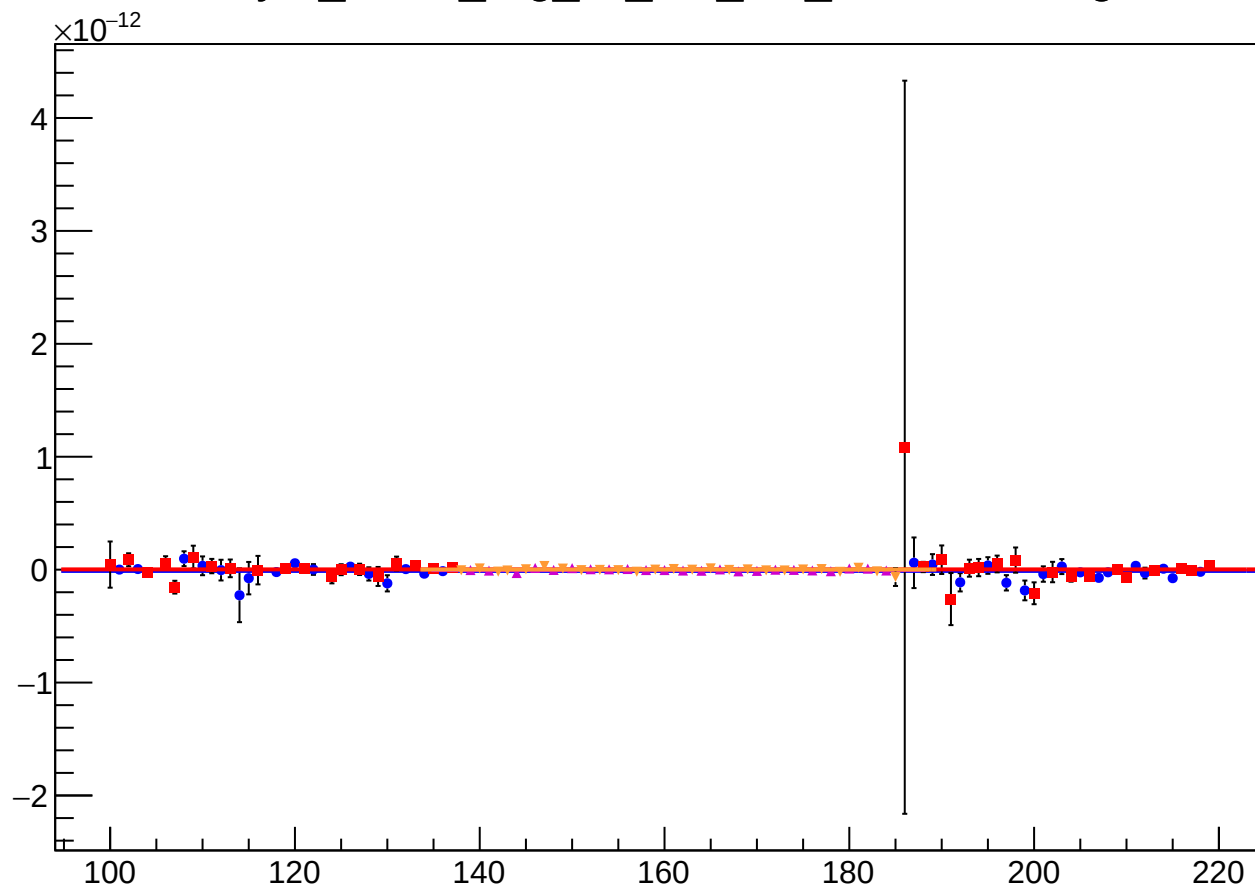
Left In: 337.759 $\pm$ 0.057 χ^2 /NDF:820674.4/22

+ sign 359.897 $\pm$ 0.042 χ^2 /NDF: 3984968.2/56

All: 361.432 $\pm$ 0.030 χ^2 /NDF: 9380379.0/116

- sign 363.013 $\pm$ 0.042 χ^2 /NDF: 5392658.5/59

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 36.2/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 16.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 35.1/36

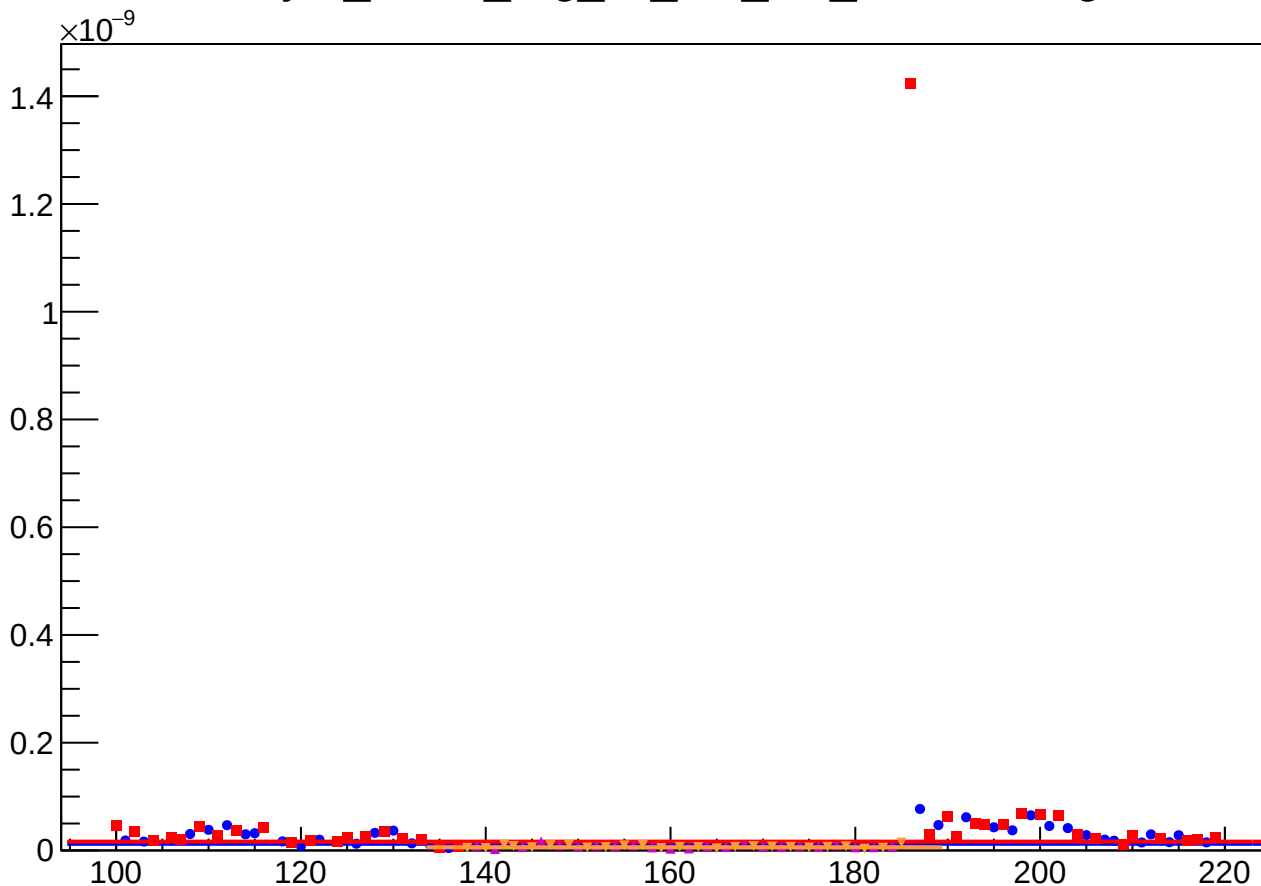
Left In: -0.000 ± 0.000 χ^2/NDF : 11.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 57.0/56

All: -0.000 ± 0.000 χ^2/NDF : 105.0/116

- sign -0.000 ± 0.000 χ^2/NDF : 47.7/59

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8146411.0/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7502541.9/36

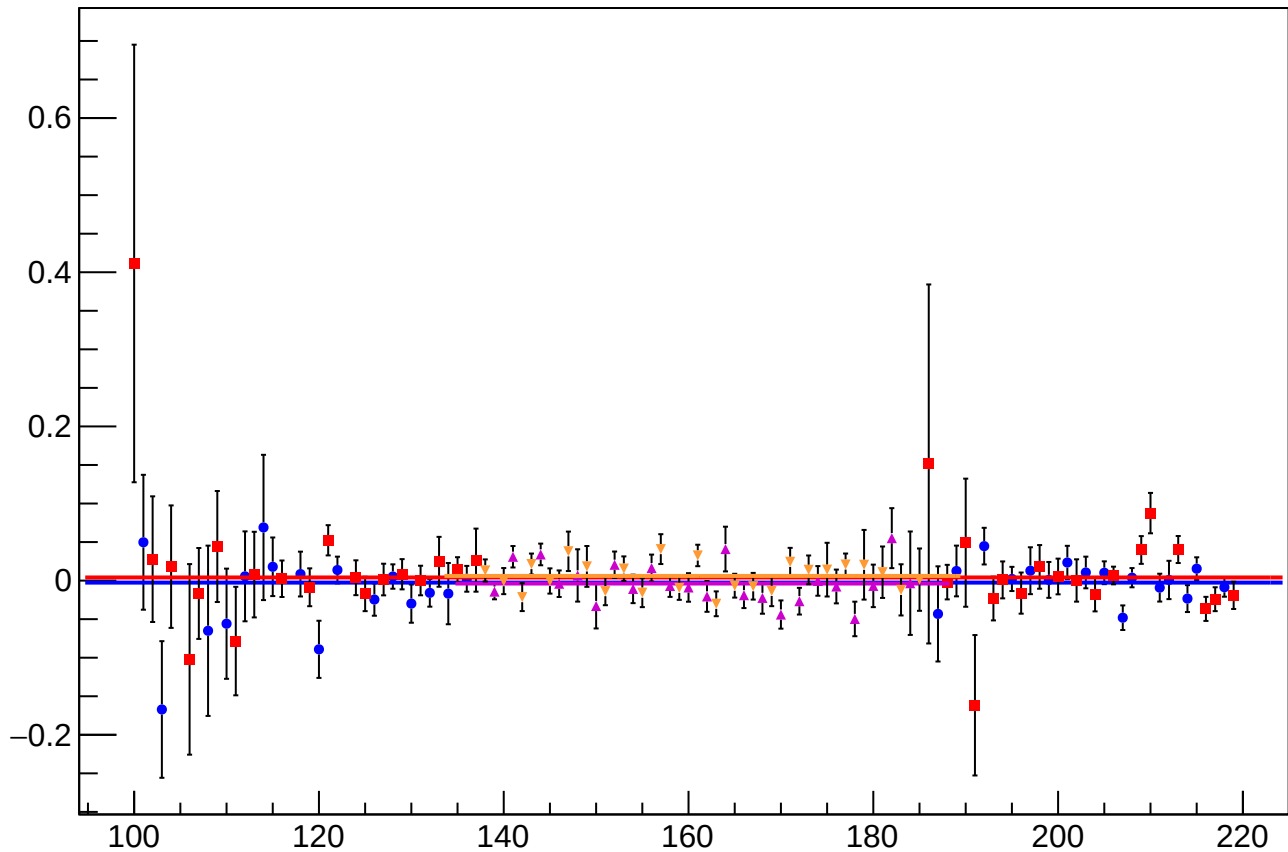
Left In: 0.000+/-0.000 χ^2/NDF : 1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 11920564.5/56

All: 0.000+/-0.000 χ^2/NDF : 25909954.3/116

- sign 0.000+/-0.000 χ^2/NDF : 13864818.0/59

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.004 χ^2/NDF : 34.6/31

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.004 ± 0.004 χ^2/NDF : 50.3/36

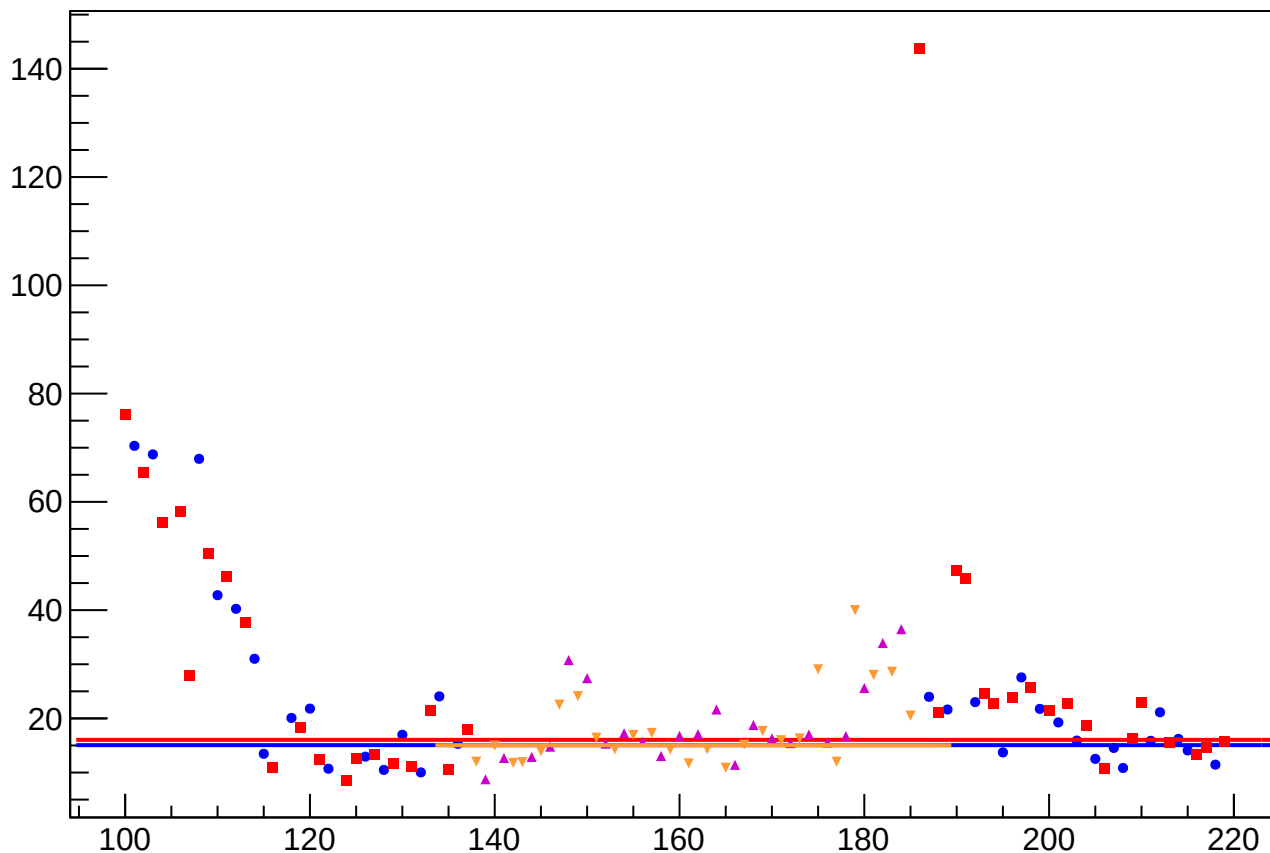
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.002 ± 0.003 χ^2/NDF : 64.0/56

All: 0.001 ± 0.002 χ^2/NDF : 153.7/116

- sign 0.000 ± 0.003 χ^2/NDF : 89.5/59

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.063 $\pm$ 0.003 χ^2 /NDF: 4983403.9/31

Left Out: 15.046 $\pm$ 0.003 χ^2 /NDF: 2758075.6/24

Right Out: 16.039 $\pm$ 0.003 χ^2 /NDF: 6639365.7/36

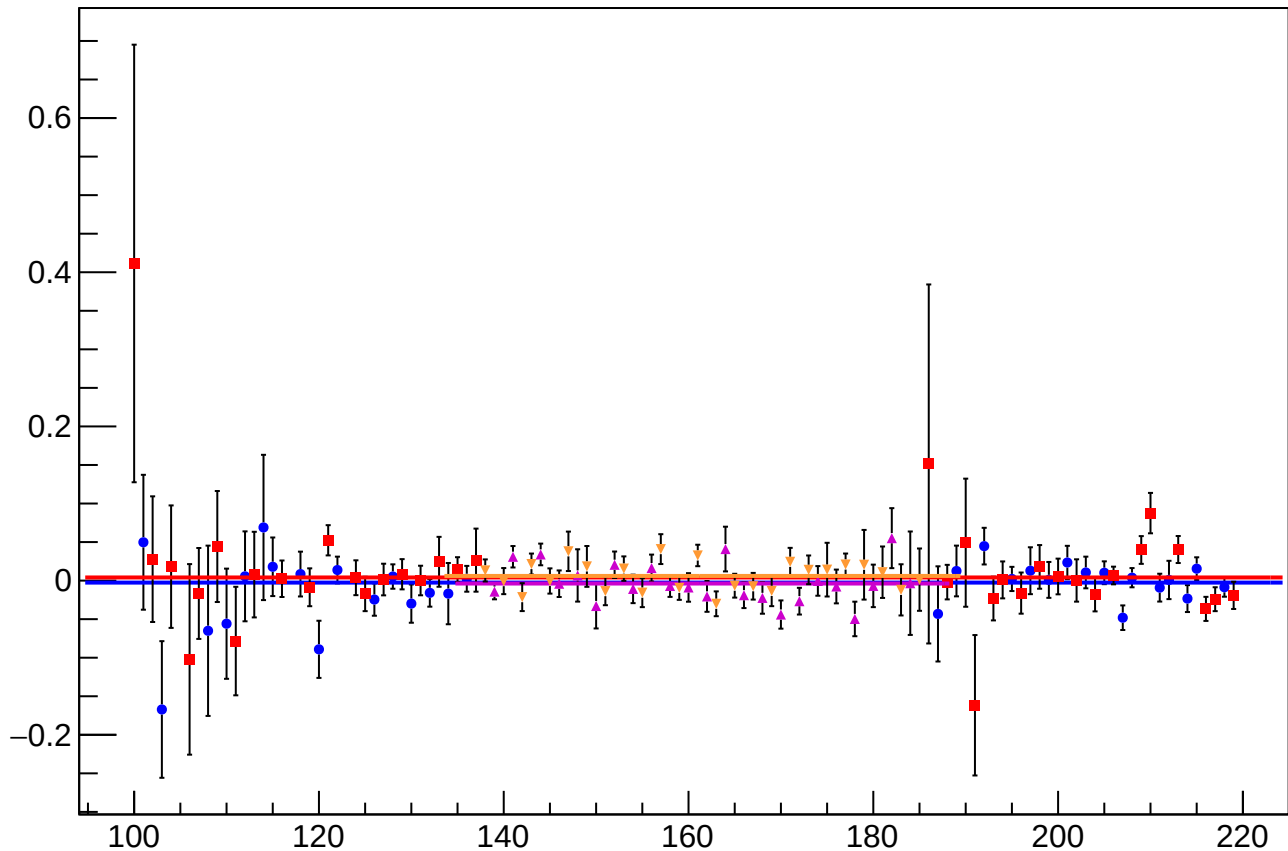
Left In: 15.068 $\pm$ 0.003 χ^2 /NDF: 3066591.4/22

+ sign 15.055 $\pm$ 0.002 χ^2 /NDF: 7741499.8/56

All: 15.287 $\pm$ 0.001 χ^2 /NDF: 17542628.8/116

- sign 15.541 $\pm$ 0.002 χ^2 /NDF: 9768447.7/59

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.004 χ^2/NDF : 34.6/31

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.004 ± 0.004 χ^2/NDF : 50.3/36

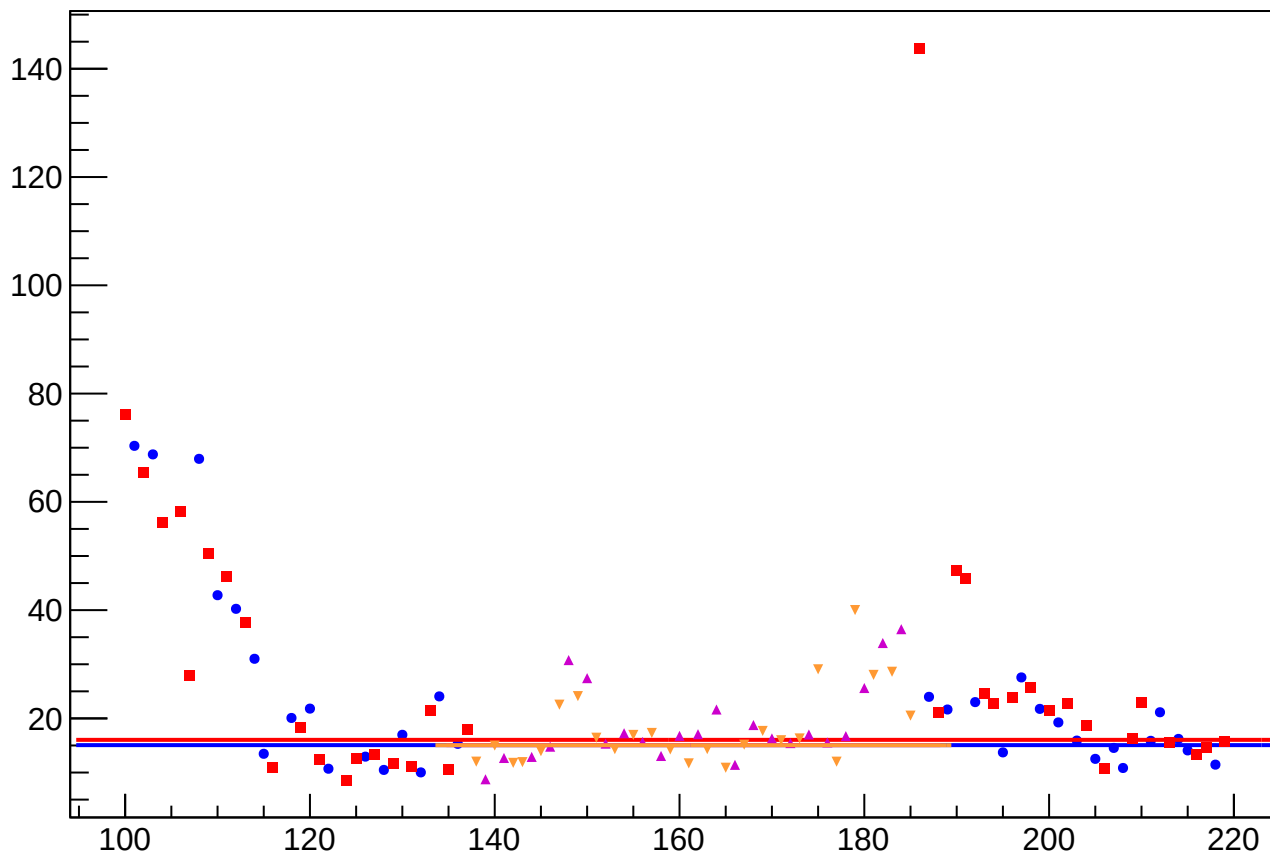
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.002 ± 0.003 χ^2/NDF : 64.0/56

All: 0.001 ± 0.002 χ^2/NDF : 153.7/116

- sign 0.000 ± 0.003 χ^2/NDF : 89.5/59

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.063+/-0.003 χ^2 /NDF: 4983403.9/31

Left Out: 15.046+/-0.003 χ^2 /NDF: 2758075.6/24

Right Out: 16.039+/-0.003 χ^2 /NDF: 6639365.7/36

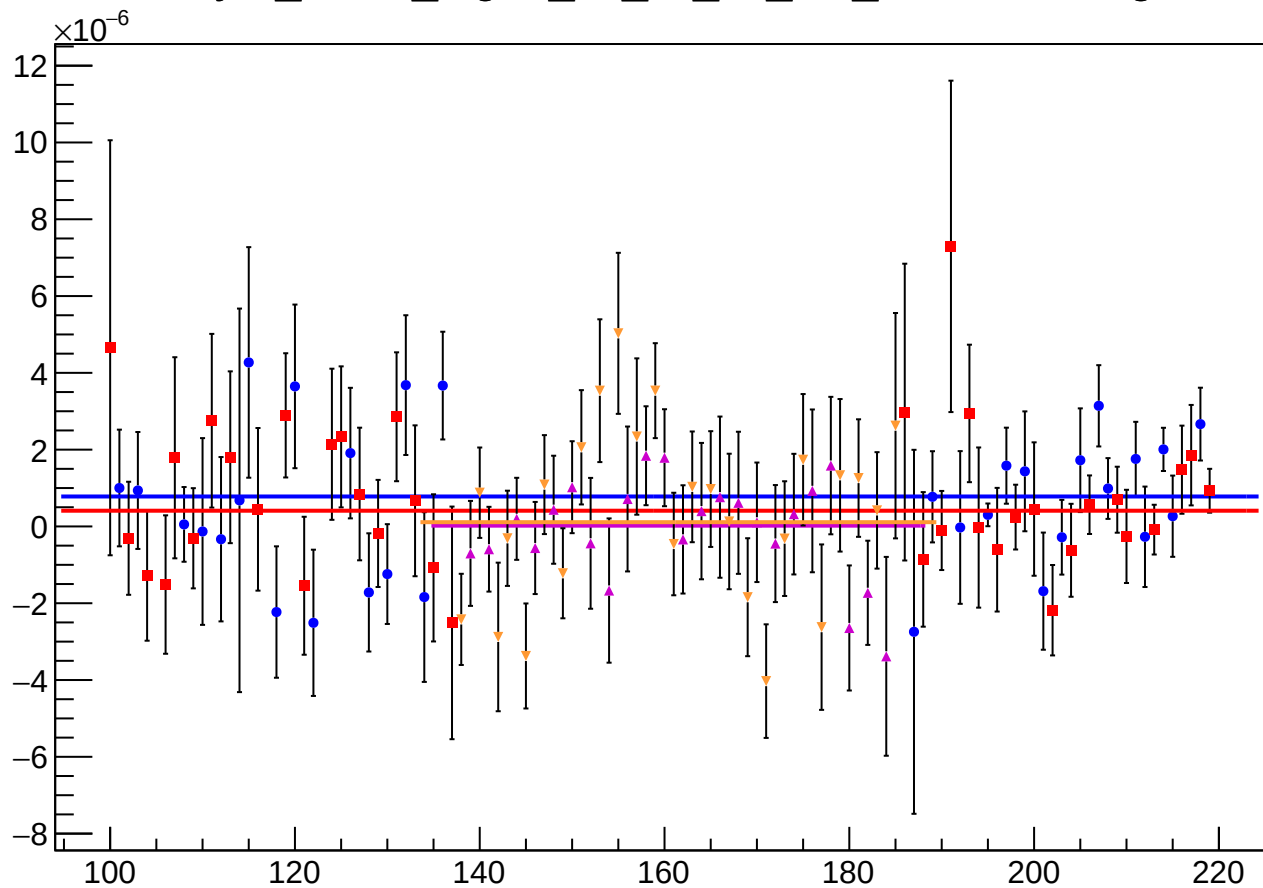
Left In: 15.068+/-0.003 χ^2 /NDF: 3066591.4/22

+ sign 15.055+/-0.002 χ^2 /NDF: 7741499.8/56

All: 15.287+/-0.001 χ^2 /NDF: 17542628.8/116

- sign 15.541+/-0.002 χ^2 /NDF: 9768447.7/59

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 48.0/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 50.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 30.1/36

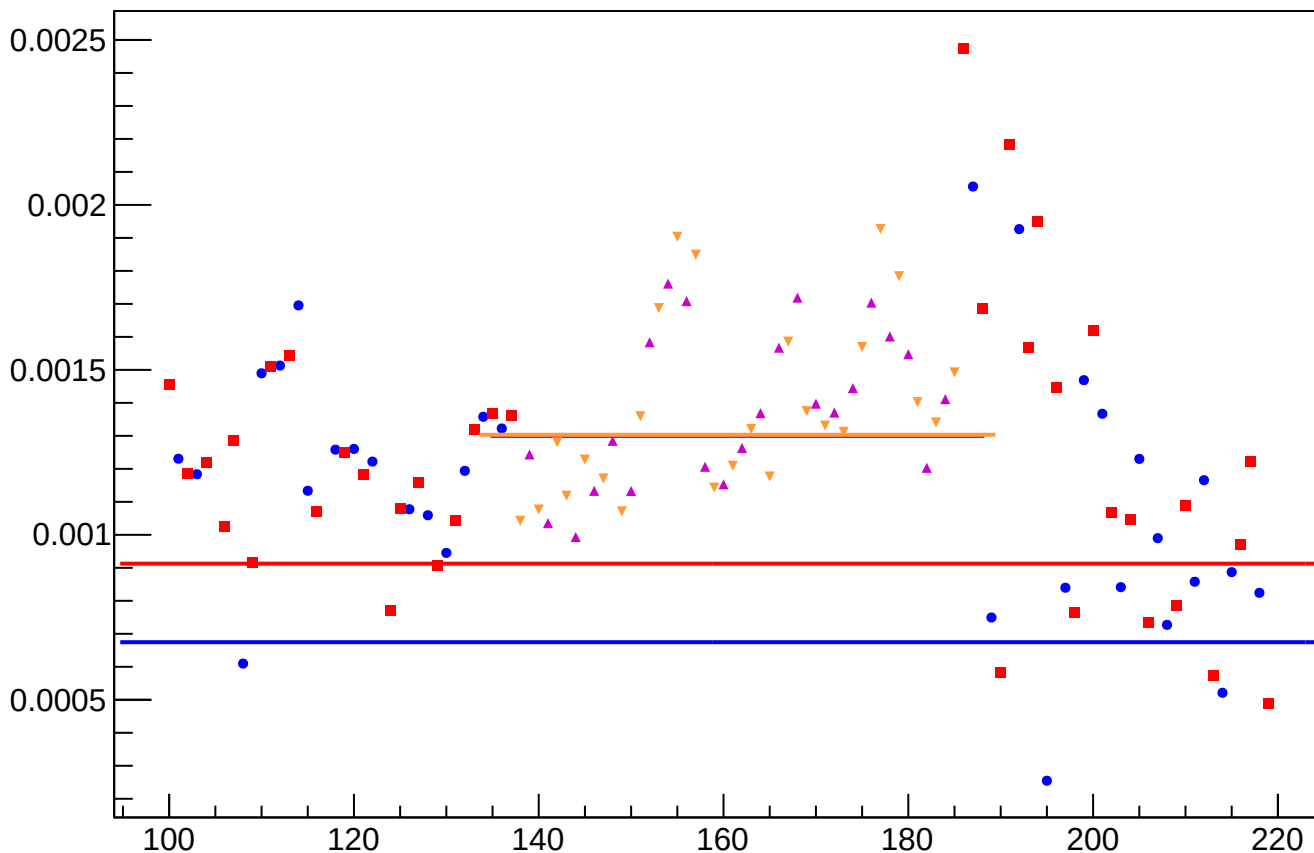
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 14.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 101.7/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 148.8/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 45.3/59

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 10016377.9/31

Left Out: 0.001+/-0.000 χ^2/NDF :1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 5447396.7/36

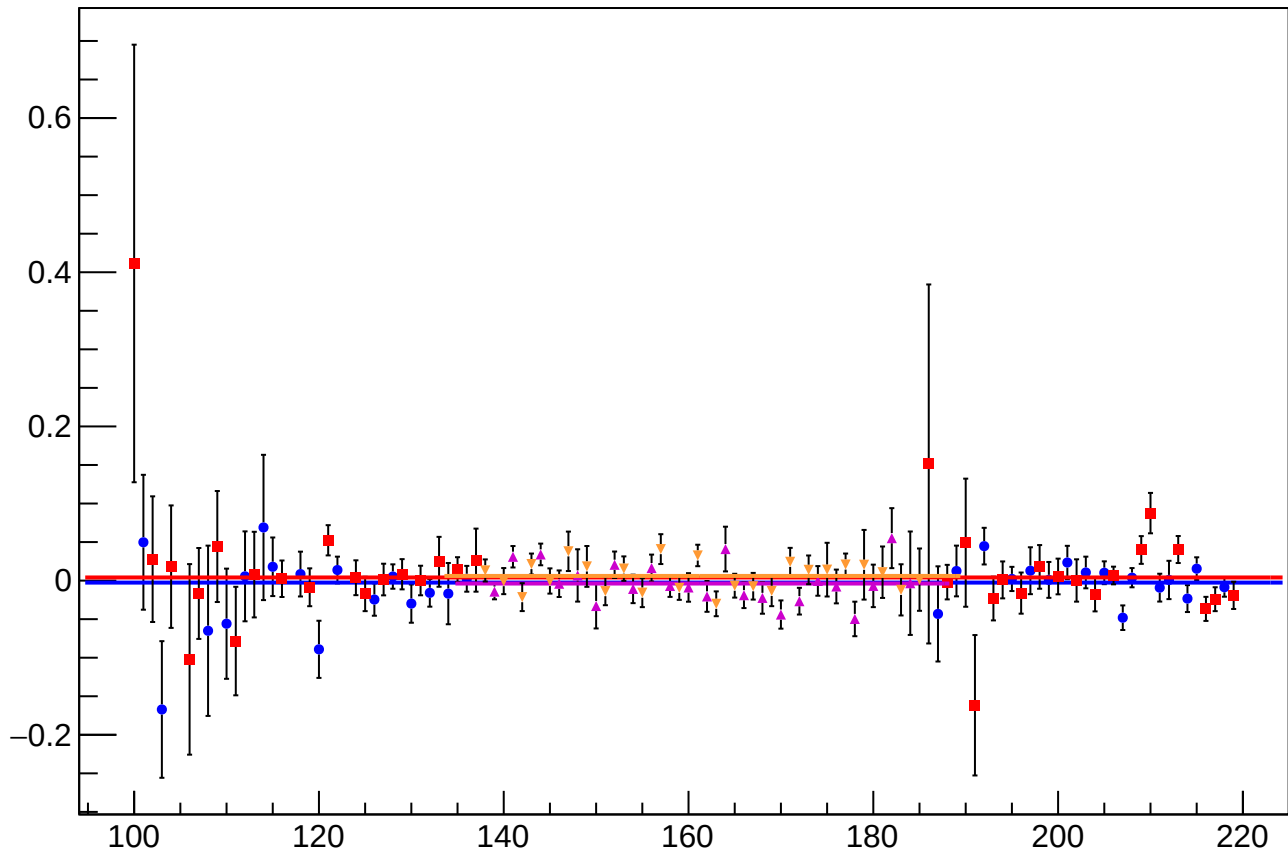
Left In: 0.001+/-0.000 χ^2/NDF :1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF : 17609824.5/56

All: 0.001+/-0.000 χ^2/NDF : 27634745.8/116

- sign 0.001+/-0.000 χ^2/NDF : 8584217.9/59

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.004 χ^2/NDF : 34.6/31

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.004 ± 0.004 χ^2/NDF : 50.3/36

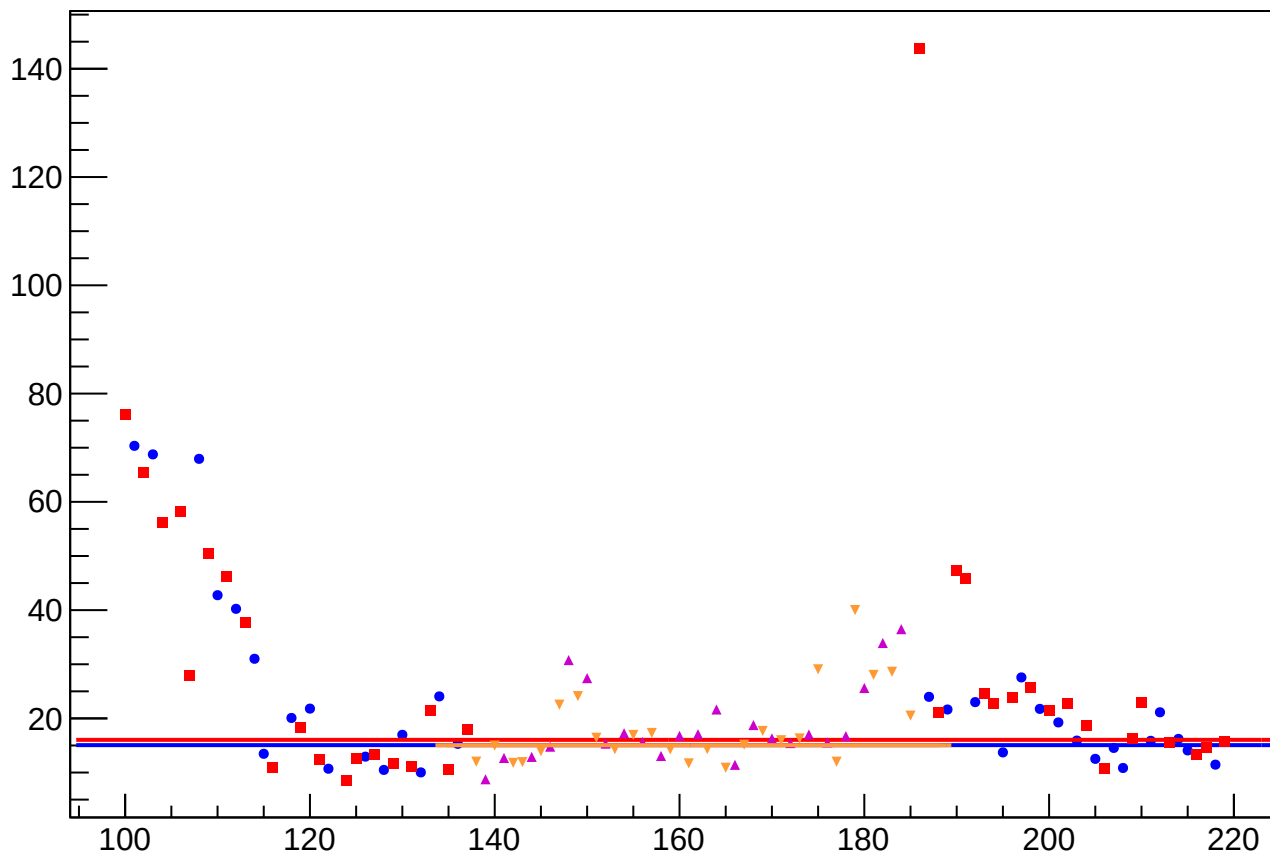
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.002 ± 0.003 χ^2/NDF : 64.0/56

All: 0.001 ± 0.002 χ^2/NDF : 153.7/116

- sign 0.000 ± 0.003 χ^2/NDF : 89.5/59

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.063+/-0.003 χ^2 /NDF: 4983409.8/31

Left Out: 15.046+/-0.003 χ^2 /NDF: 2758285.3/24

Right Out: 16.038+/-0.003 χ^2 /NDF: 6639358.9/36

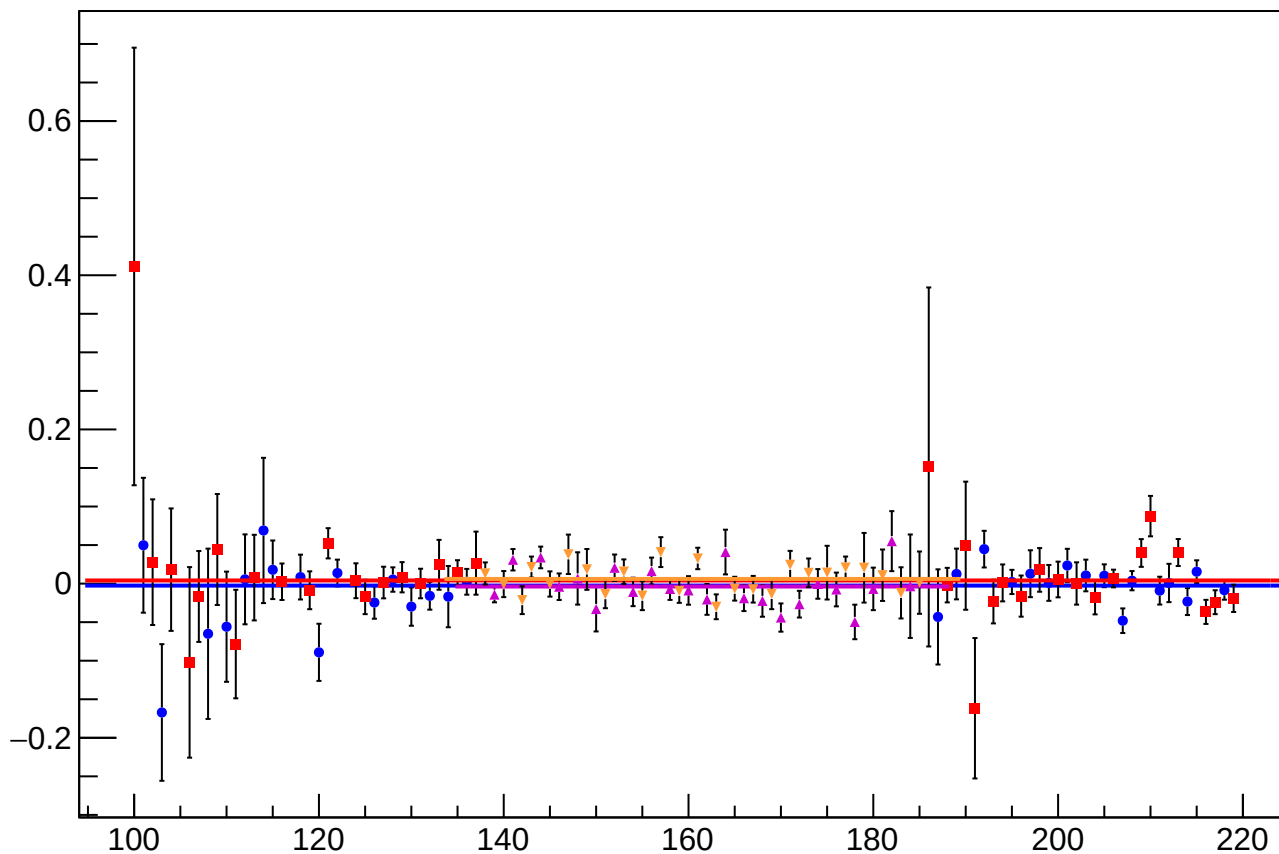
Left In: 15.067+/-0.003 χ^2 /NDF: 3066635.3/22

+ sign 15.054+/-0.002 χ^2 /NDF: 7741715.1/56

All: 15.287+/-0.001 χ^2 /NDF: 17542876.0/116

- sign 15.540+/-0.002 χ^2 /NDF: 9768471.1/59

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.004 χ^2/NDF : 34.6/31

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.004 ± 0.004 χ^2/NDF : 50.3/36

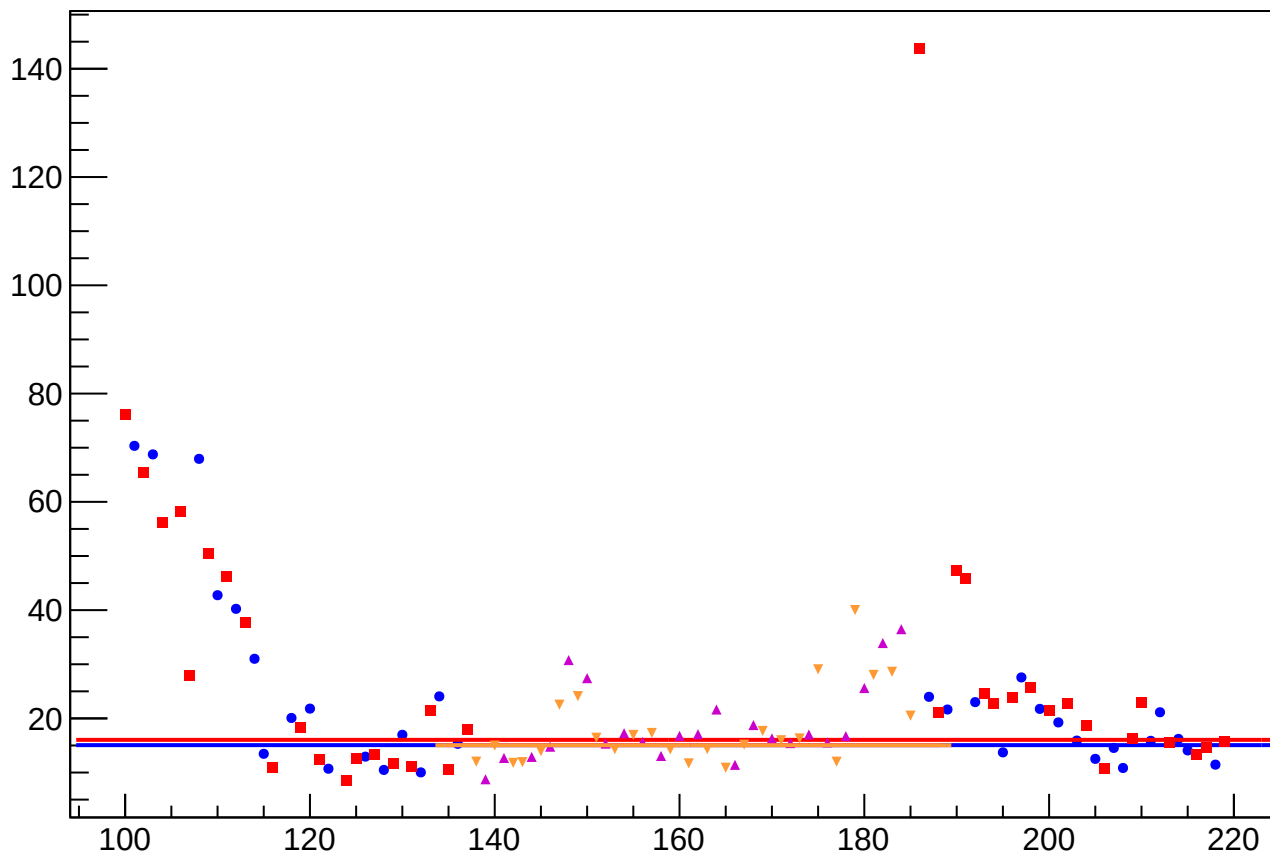
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.002 ± 0.003 χ^2/NDF : 64.0/56

All: 0.001 ± 0.002 χ^2/NDF : 153.7/116

- sign 0.000 ± 0.003 χ^2/NDF : 89.5/59

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.063 $\pm$ 0.003 χ^2 /NDF: 4983409.8/31

Left Out: 15.046 $\pm$ 0.003 χ^2 /NDF: 2758285.3/24

Right Out: 16.038 $\pm$ 0.003 χ^2 /NDF: 6639358.9/36

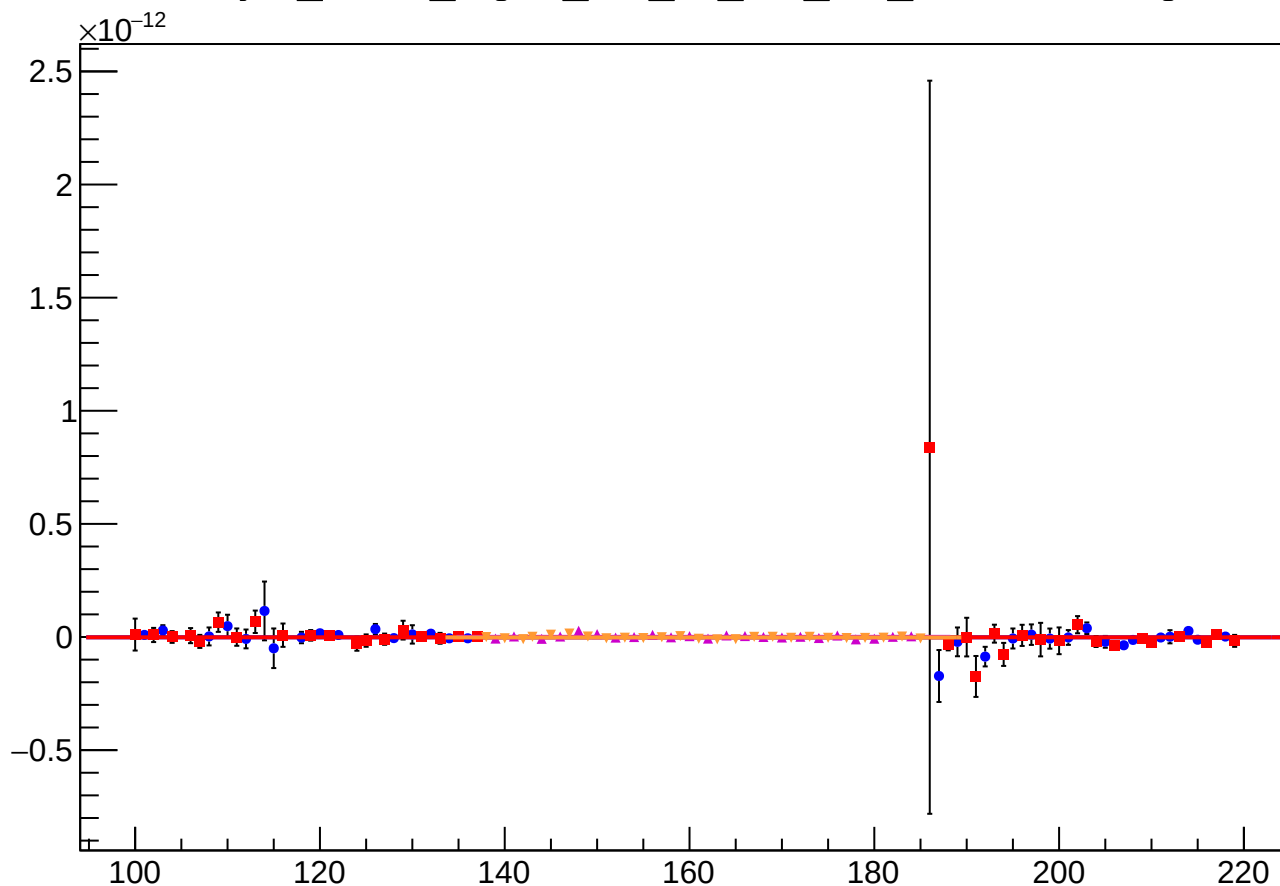
Left In: 15.067 $\pm$ 0.003 χ^2 /NDF: 3066635.3/22

+ sign 15.054 $\pm$ 0.002 χ^2 /NDF: 7741715.1/56

All: 15.287 $\pm$ 0.001 χ^2 /NDF: 17542876.0/116

- sign 15.540 $\pm$ 0.002 χ^2 /NDF: 9768471.1/59

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 26.7/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 15.2/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 26.9/36

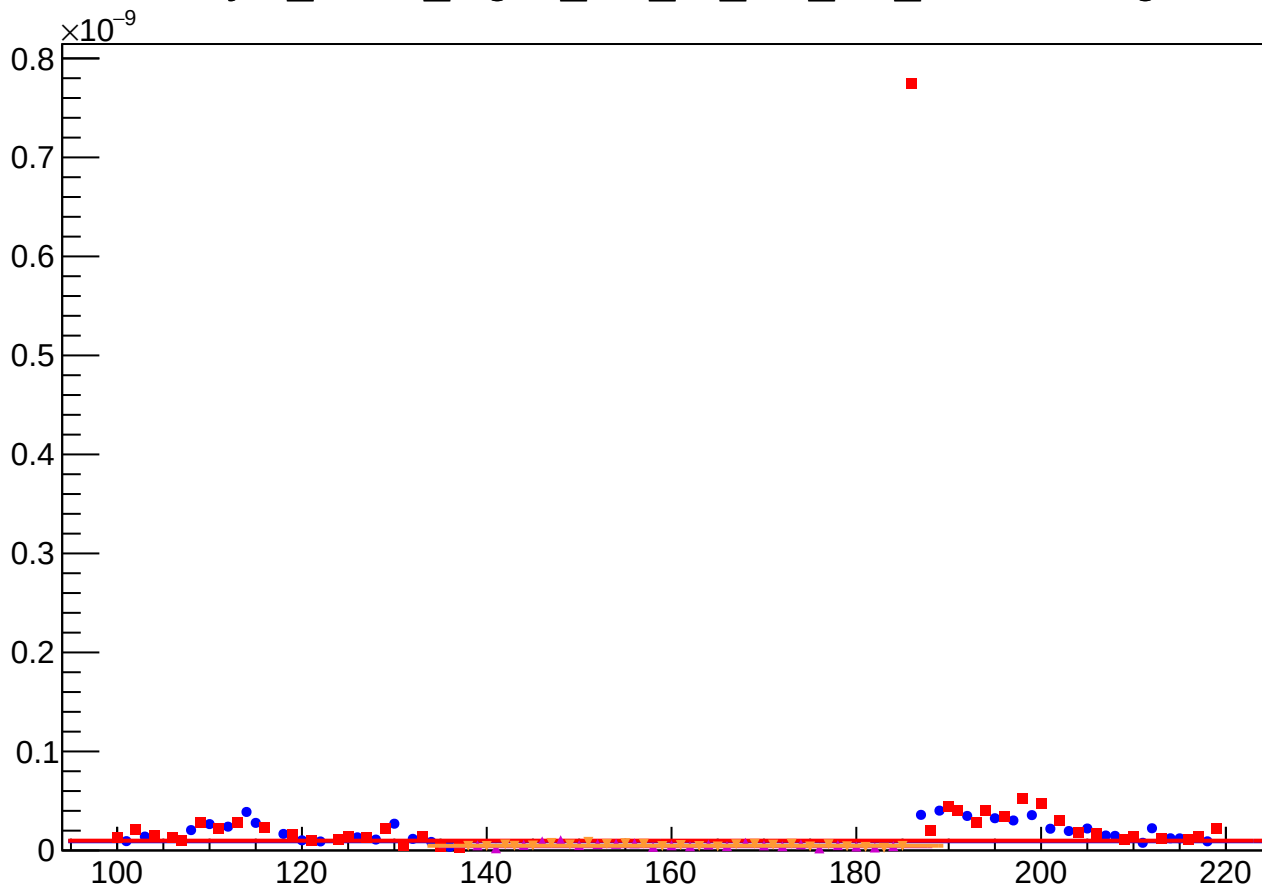
Left In: 0.000 ± 0.000 χ^2/NDF : 21.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 41.9/56

All: -0.000 ± 0.000 χ^2/NDF : 92.0/116

- sign 0.000 ± 0.000 χ^2/NDF : 48.6/59

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9407534.7/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11744749.0/36

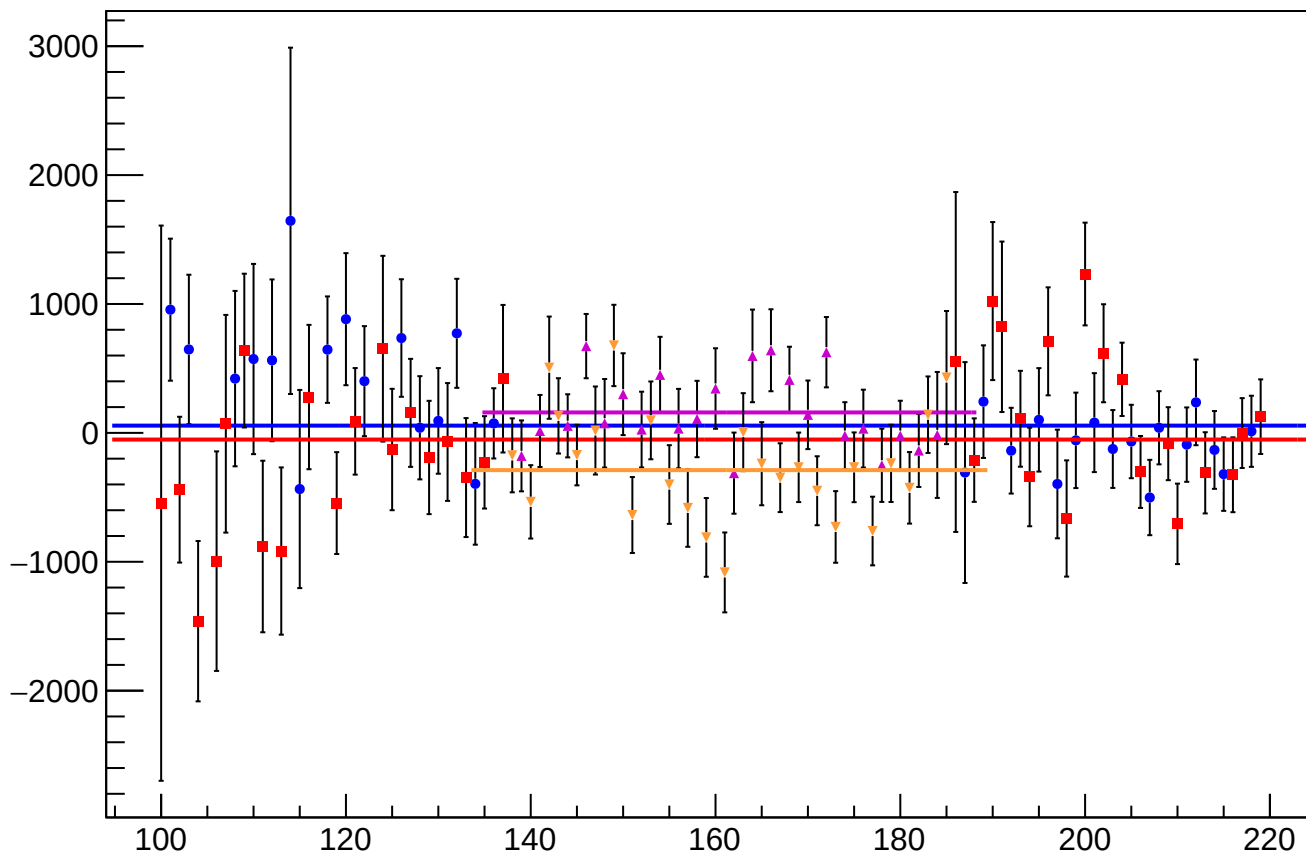
Left In: 0.000+/-0.000 χ^2/NDF : 3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 15065639.4/56

All: 0.000+/-0.000 χ^2/NDF : 35485266.5/116

- sign 0.000+/-0.000 χ^2/NDF : 20294532.3/59

reg_asym_sam2_mean vs Slug



Right In: 56.322 $\pm$ 67.847 χ^2/NDF : 27.1/31

Left Out: -288.924 $\pm$ 59.035 χ^2/NDF : 42.4/24

Right Out: -51.730 $\pm$ 67.791 χ^2/NDF : 50.8/36

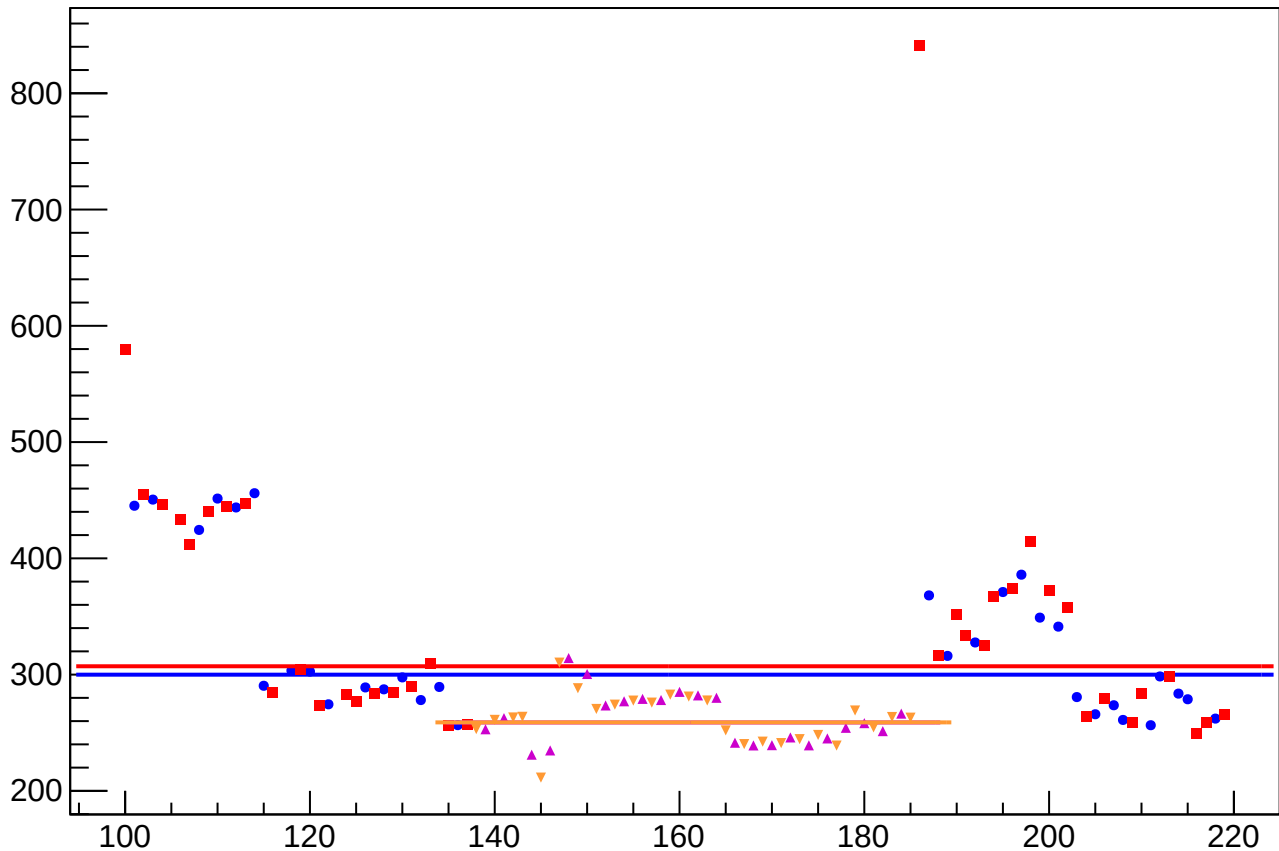
Left In: 158.601 $\pm$ 60.708 χ^2/NDF : 22.5/22

+ sign -140.164 $\pm$ 44.536 χ^2/NDF : 84.3/56

All: -39.158 $\pm$ 31.732 χ^2/NDF : 173.4/116

- sign 64.994 $\pm$ 45.224 χ^2/NDF : 78.7/59

reg_asym_sam2_rms vs Slug



Right In: 299.943 $\pm$ 0.048 χ^2 /NDF: 1049064.2/31

Left Out: 258.912 $\pm$ 0.042 χ^2 /NDF: 248740.9/24

Right Out: 307.178 $\pm$ 0.048 χ^2 /NDF: 1690784.5/36

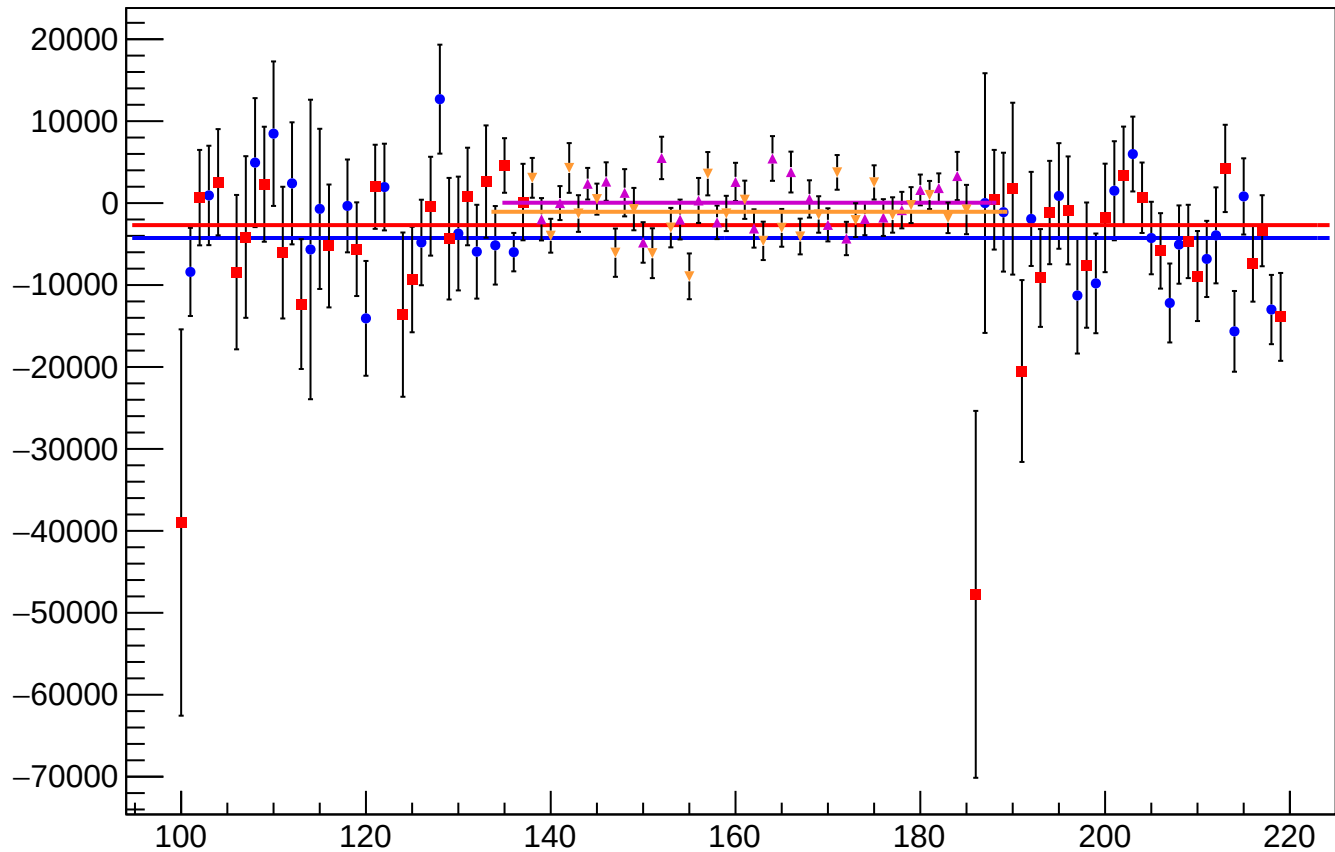
Left In: 258.843 $\pm$ 0.043 χ^2 /NDF: 244953.3/22

+ sign 276.592 $\pm$ 0.031 χ^2 /NDF: 1714100.4/56

All: 278.444 $\pm$ 0.022 χ^2 /NDF: 4221125.2/116

- sign 280.354 $\pm$ 0.032 χ^2 /NDF: 2499996.2/59

asym_sam2_reg_correction_mean vs Slug



Right In: -4259.124 ± 952.544 χ^2/NDF : 39.4/31

Left Out: -1059.229 ± 454.653 χ^2/NDF : 41.5/24

Right Out: -2687.152 ± 988.507 χ^2/NDF : 35.1/36

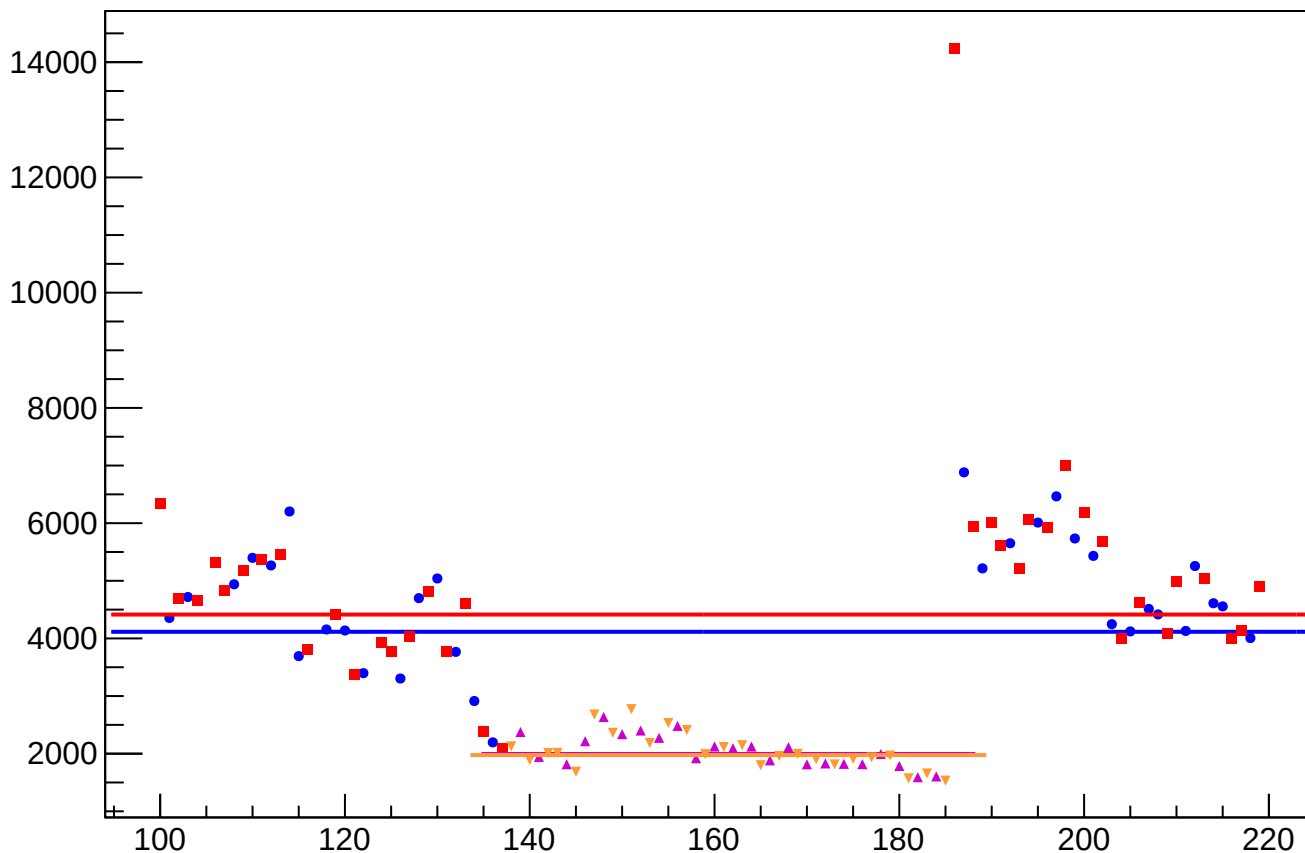
Left In: 44.352 ± 470.700 χ^2/NDF : 34.2/22

+ sign -1652.962 ± 410.311 χ^2/NDF : 90.1/56

All: -1077.674 ± 295.183 χ^2/NDF : 169.6/116

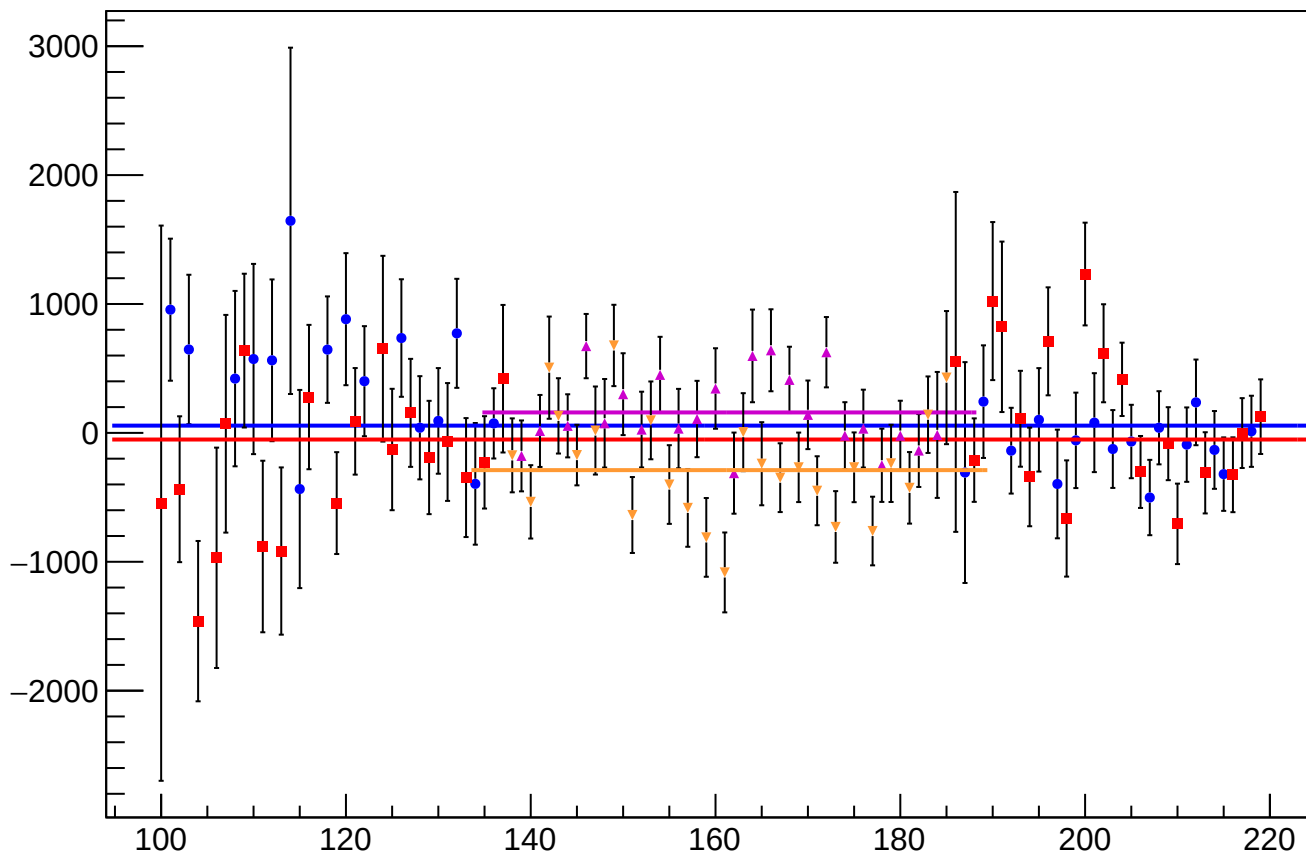
- sign -460.517 ± 424.980 χ^2/NDF : 75.4/59

asym_sam2_reg_correction_rms vs Slug



Right In: 4115.201+/-0.674	$\chi^2/\text{NDF}: 2793741.1/31$	+ sign 2372.897+/-0.290	$\chi^2/\text{NDF}: 11772724.8/56$
Left Out: 1975.967+/-0.321	$\chi^2/\text{NDF}: 763327.6/24$	All: 2406.215+/-0.209	$\chi^2/\text{NDF}: 25138447.8/100$
Right Out: 4414.251+/-0.699	$\chi^2/\text{NDF}: 2971293.2/36$	- sign 2441.959+/-0.301	$\chi^2/\text{NDF}: 13338387.6/59$
Left In: 1994.760+/-0.333	$\chi^2/\text{NDF}: 599994.9/22$		

cor_asym_sam2_mean vs Slug



Right In: 56.300 $\pm$ 67.847 χ^2 /NDF: 27.1/31

Left Out: -288.928 $\pm$ 59.035 χ^2 /NDF: 42.4/24

Right Out: -51.460 $\pm$ 67.793 χ^2 /NDF: 50.7/36

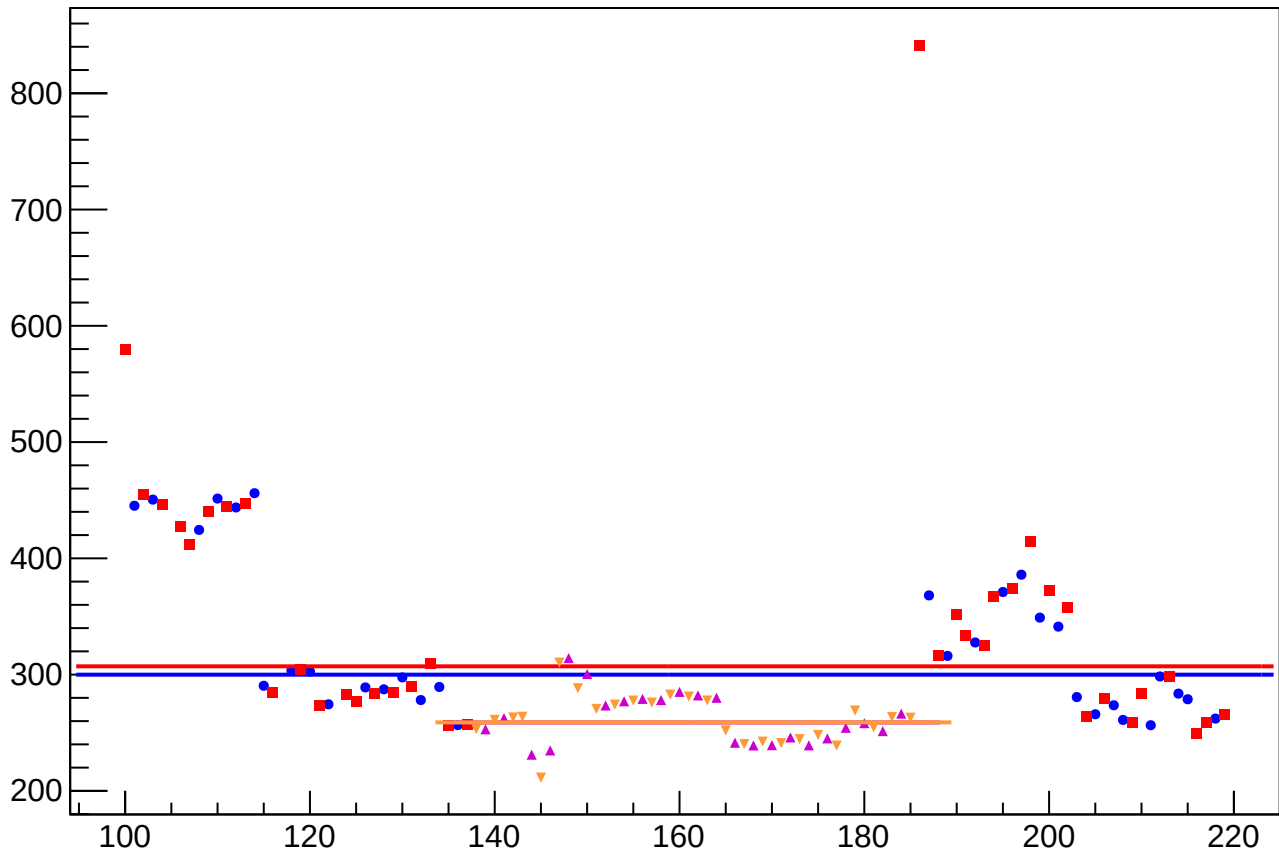
Left In: 158.612 $\pm$ 60.708 χ^2 /NDF: 22.5/22

+ sign -140.176 $\pm$ 44.536 χ^2 /NDF: 84.3/56

All: -39.102 $\pm$ 31.732 χ^2 /NDF: 173.3/116

- sign 65.124 $\pm$ 45.225 χ^2 /NDF: 78.6/59

cor_asym_sam2_rms vs Slug



Right In: 299.943 $\pm$ 0.048 χ^2 /NDF: 1049065.7/31

Left Out: 258.912 $\pm$ 0.042 χ^2 /NDF:248740.9/24

Right Out: 307.131 $\pm$ 0.048 χ^2 /NDF: 1686099.2/36

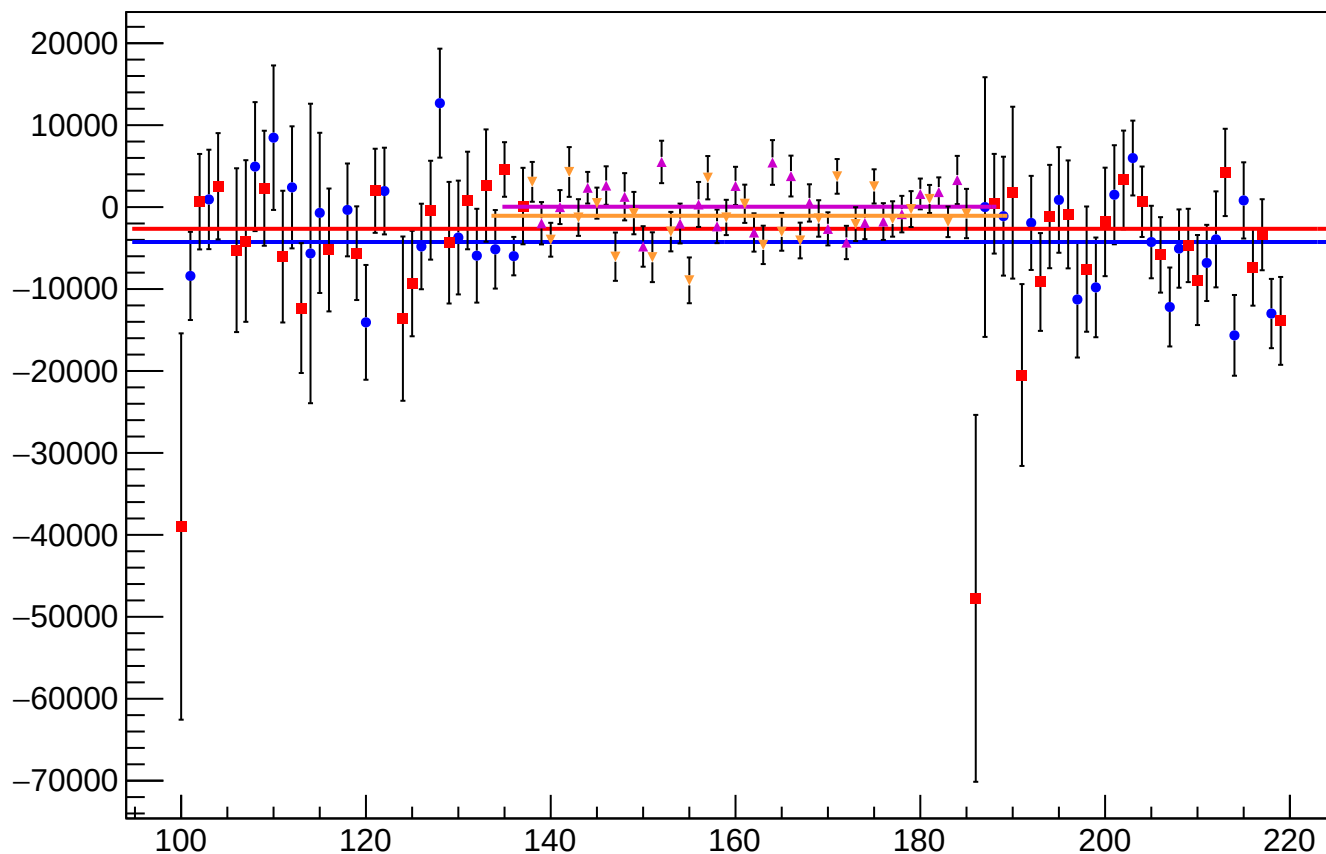
Left In: 258.843 $\pm$ 0.043 χ^2 /NDF:244953.3/22

+ sign 276.592 $\pm$ 0.031 χ^2 /NDF: 1714101.9/56

All: 278.433 $\pm$ 0.022 χ^2 /NDF: 4215223.8/116

- sign 280.332 $\pm$ 0.032 χ^2 /NDF: 2494175.3/59

asym_sam2_cor_correction_mean vs Slug



Right In: -4259.105 ± 952.545 χ^2/NDF : 39.4/31

Left Out: -1059.232 ± 454.653 χ^2/NDF : 41.5/24

Right Out: -2649.385 ± 989.130 χ^2/NDF : 34.7/36

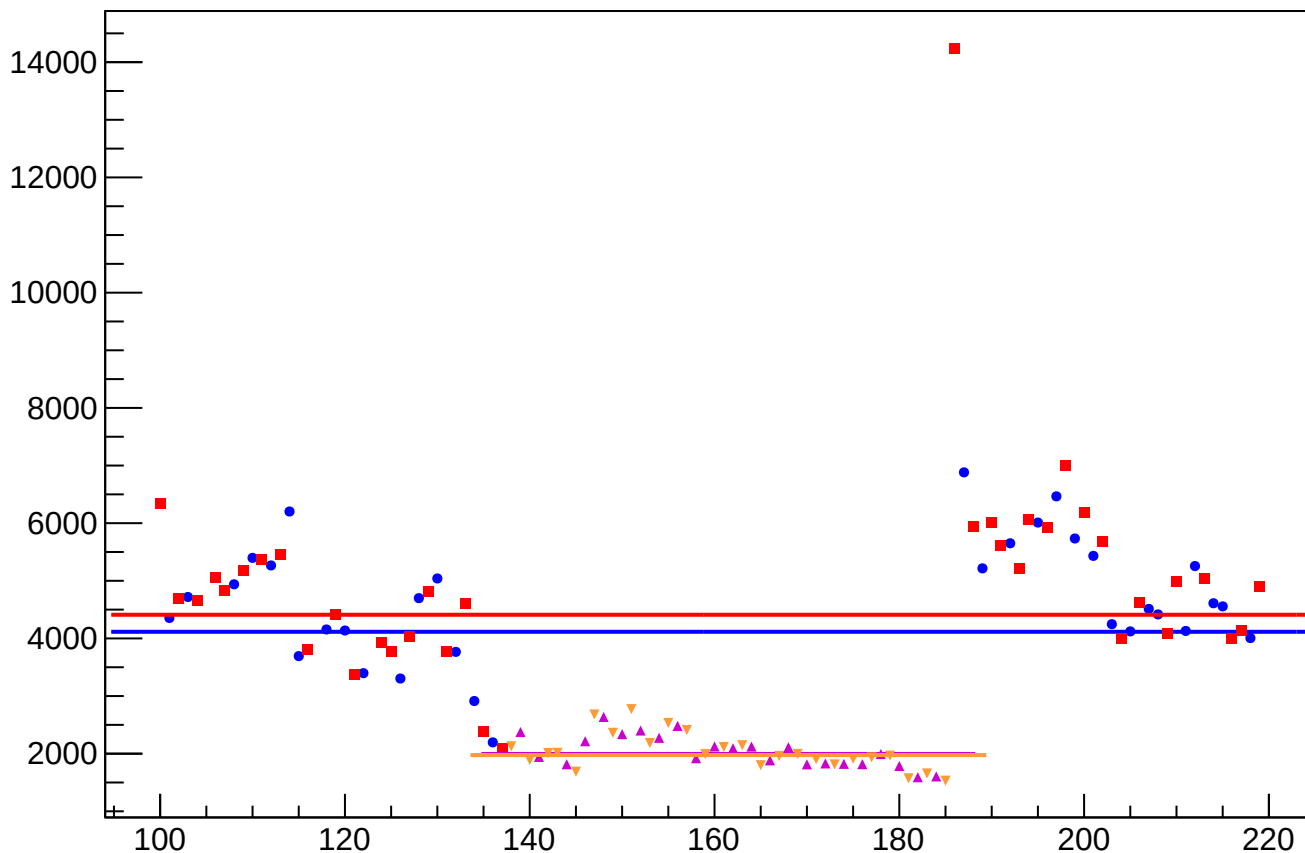
Left In: 44.348 ± 470.700 χ^2/NDF : 34.2/22

+ sign -1652.960 ± 410.311 χ^2/NDF : 90.1/56

All: -1074.130 ± 295.200 χ^2/NDF : 169.2/116

- sign -453.029 ± 425.029 χ^2/NDF : 75.0/59

asym_sam2_cor_correction_rms vs Slug



Right In: 4115.205 ± 0.674 $\chi^2/\text{NDF}: 2793749.2/31$

Left Out: 1975.967 ± 0.321 $\chi^2/\text{NDF}: 763328.1/24$

Right Out: 4410.806 ± 0.699 $\chi^2/\text{NDF}: 2961709.8/36$

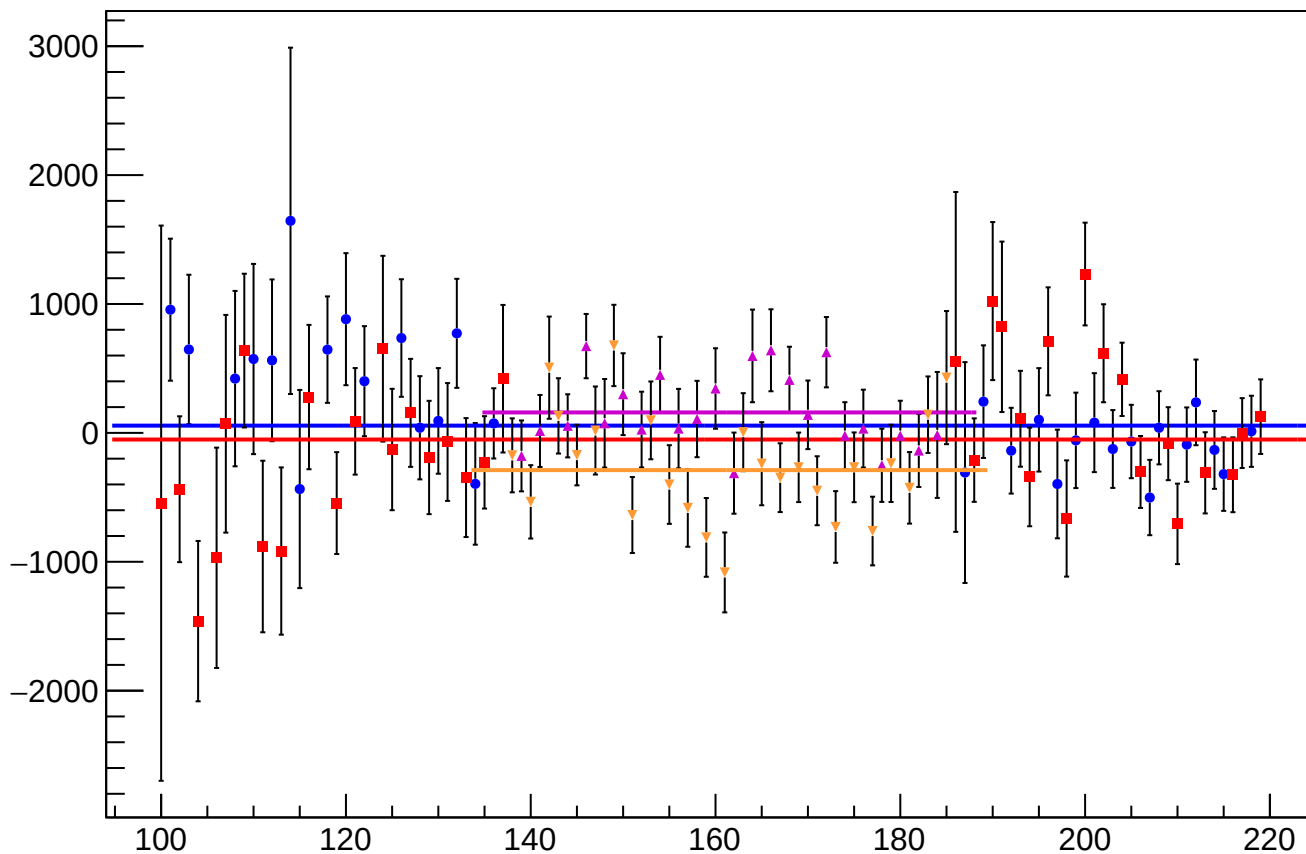
Left In: 1994.760 ± 0.333 $\chi^2/\text{NDF}: 599996.2/22$

+ sign 2372.897 ± 0.290 $\chi^2/\text{NDF}: 11772744.6/56$

All: 2405.683 ± 0.209 $\chi^2/\text{NDF}: 25090235.2/100$

- sign 2440.864 ± 0.301 $\chi^2/\text{NDF}: 13291017.8/59$

eigen_cor_asym_sam2_mean vs Slug



Right In: 56.300 $\pm$ 67.847 χ^2 /NDF: 27.1/31

Left Out: -288.928 $\pm$ 59.035 χ^2 /NDF: 42.4/24

Right Out: -51.460 $\pm$ 67.793 χ^2 /NDF: 50.7/36

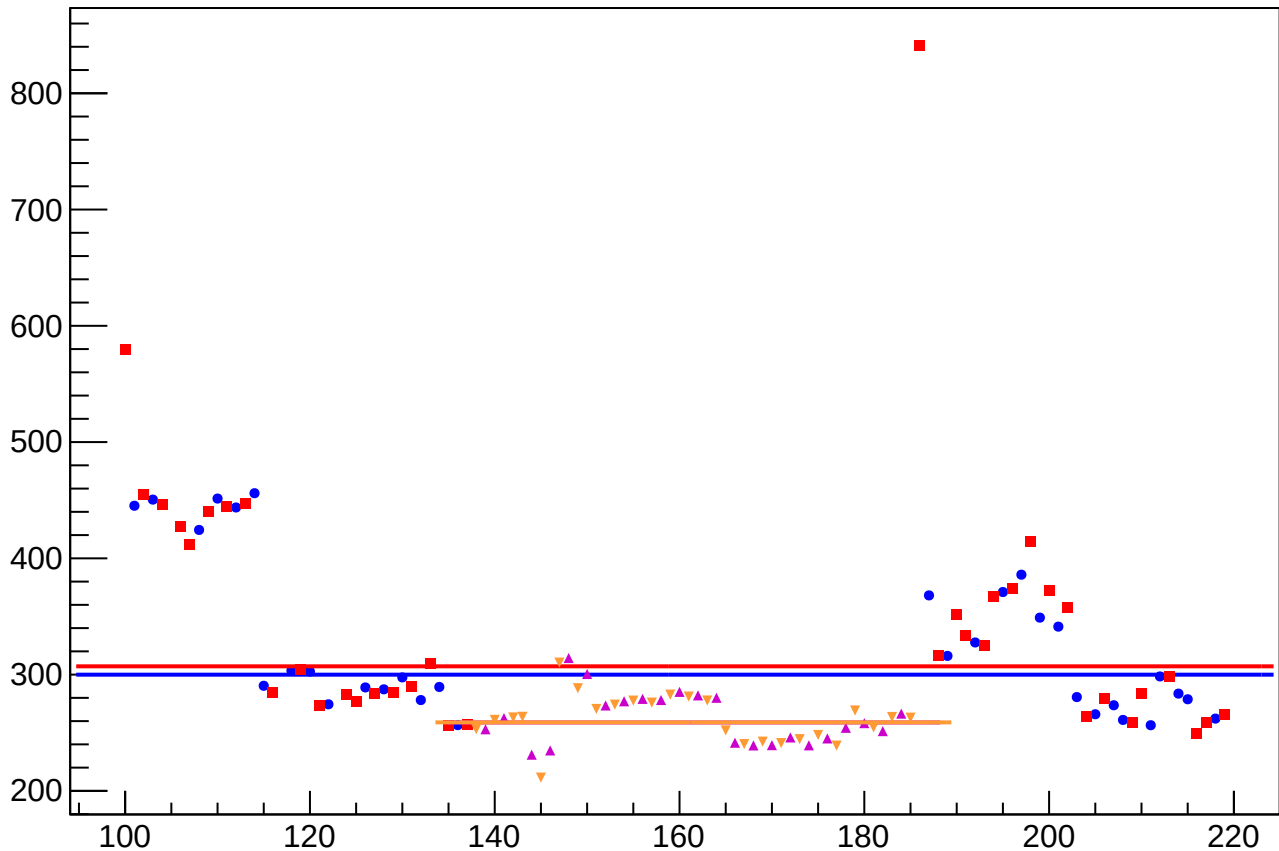
Left In: 158.612 $\pm$ 60.708 χ^2 /NDF: 22.5/22

+ sign -140.176 $\pm$ 44.536 χ^2 /NDF: 84.3/56

All: -39.102 $\pm$ 31.732 χ^2 /NDF: 173.3/116

- sign 65.124 $\pm$ 45.225 χ^2 /NDF: 78.6/59

eigen_cor_asym_sam2_rms vs Slug



Right In: 299.943 $\pm$ 0.048 χ^2 /NDF: 1049065.7/31

Left Out: 258.912 $\pm$ 0.042 χ^2 /NDF:248740.9/24

Right Out: 307.131 $\pm$ 0.048 χ^2 /NDF: 1686099.2/36

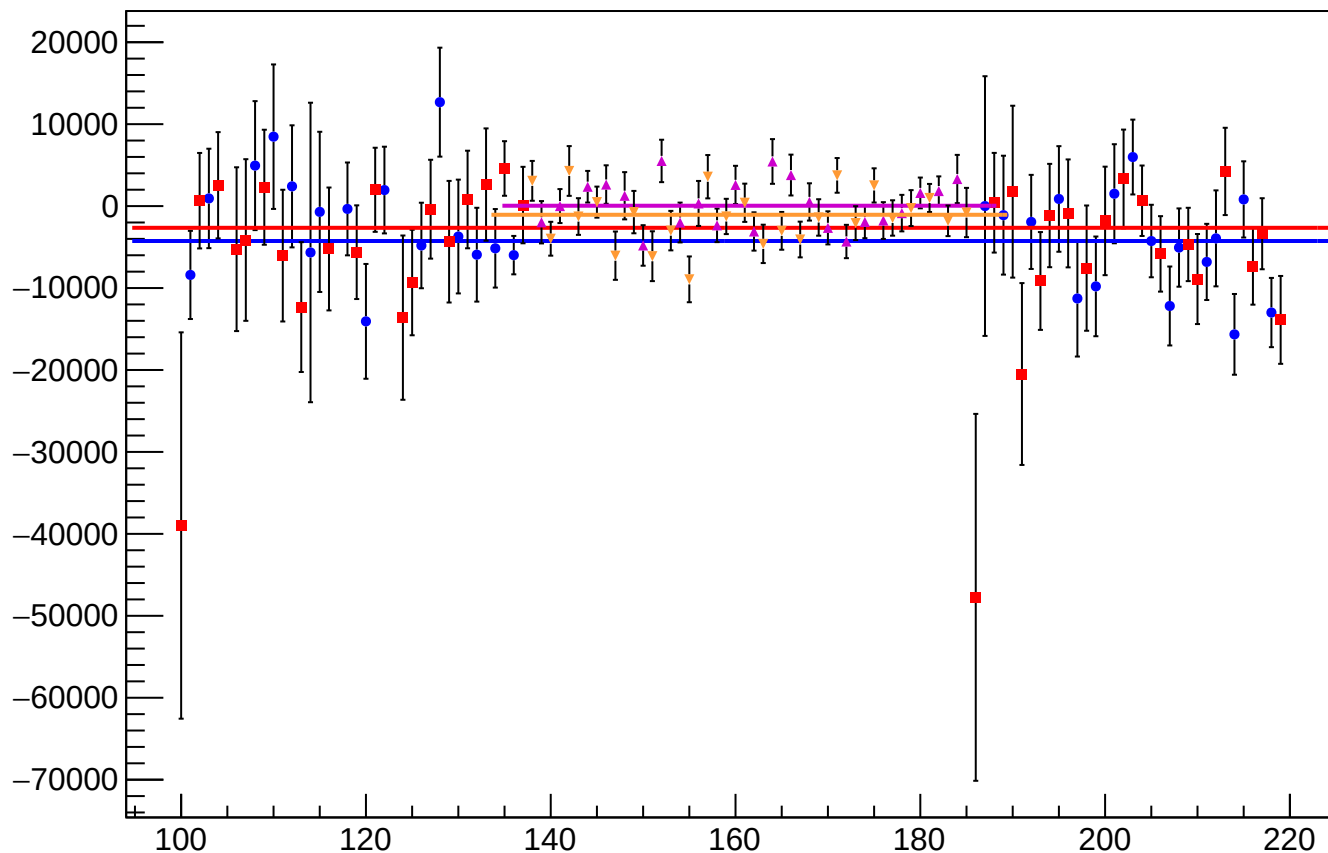
Left In: 258.843 $\pm$ 0.043 χ^2 /NDF:244953.3/22

+ sign 276.592 $\pm$ 0.031 χ^2 /NDF: 1714101.9/56

All: 278.433 $\pm$ 0.022 χ^2 /NDF: 4215223.8/116

- sign 280.332 $\pm$ 0.032 χ^2 /NDF: 2494175.3/59

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -4259.105 ± 952.545 χ^2/NDF : 39.4/31

Left Out: -1059.232 ± 454.653 χ^2/NDF : 41.5/24

Right Out: -2649.385 ± 989.130 χ^2/NDF : 34.7/36

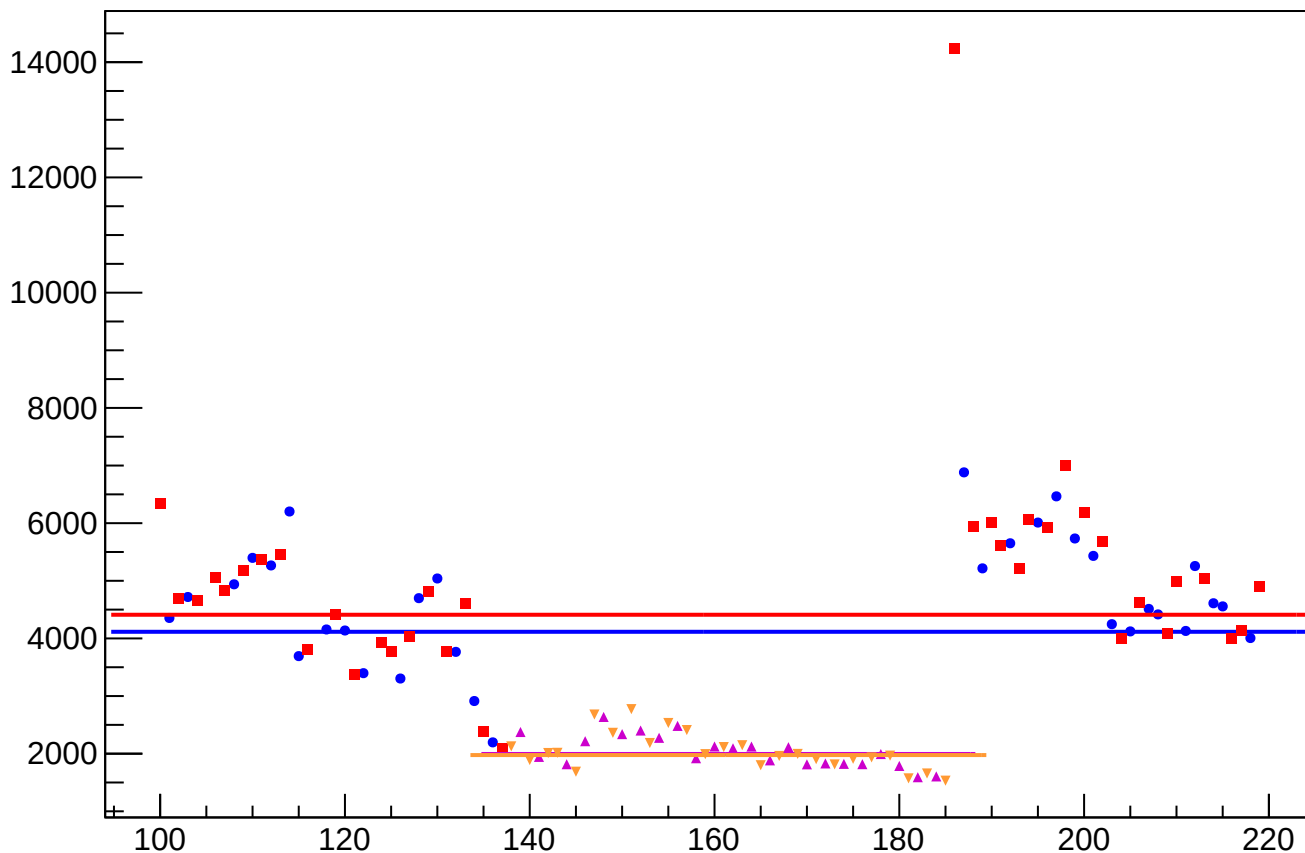
Left In: 44.348 ± 470.700 χ^2/NDF : 34.2/22

+ sign -1652.960 ± 410.311 χ^2/NDF : 90.1/56

All: -1074.130 ± 295.200 χ^2/NDF : 169.2/116

- sign -453.029 ± 425.029 χ^2/NDF : 75.0/59

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 4115.205 ± 0.674 $\chi^2/\text{NDF}: 2793749.2/31$

Left Out: 1975.967 ± 0.321 $\chi^2/\text{NDF}: 763328.1/24$

Right Out: 4410.806 ± 0.699 $\chi^2/\text{NDF}: 2961709.8/36$

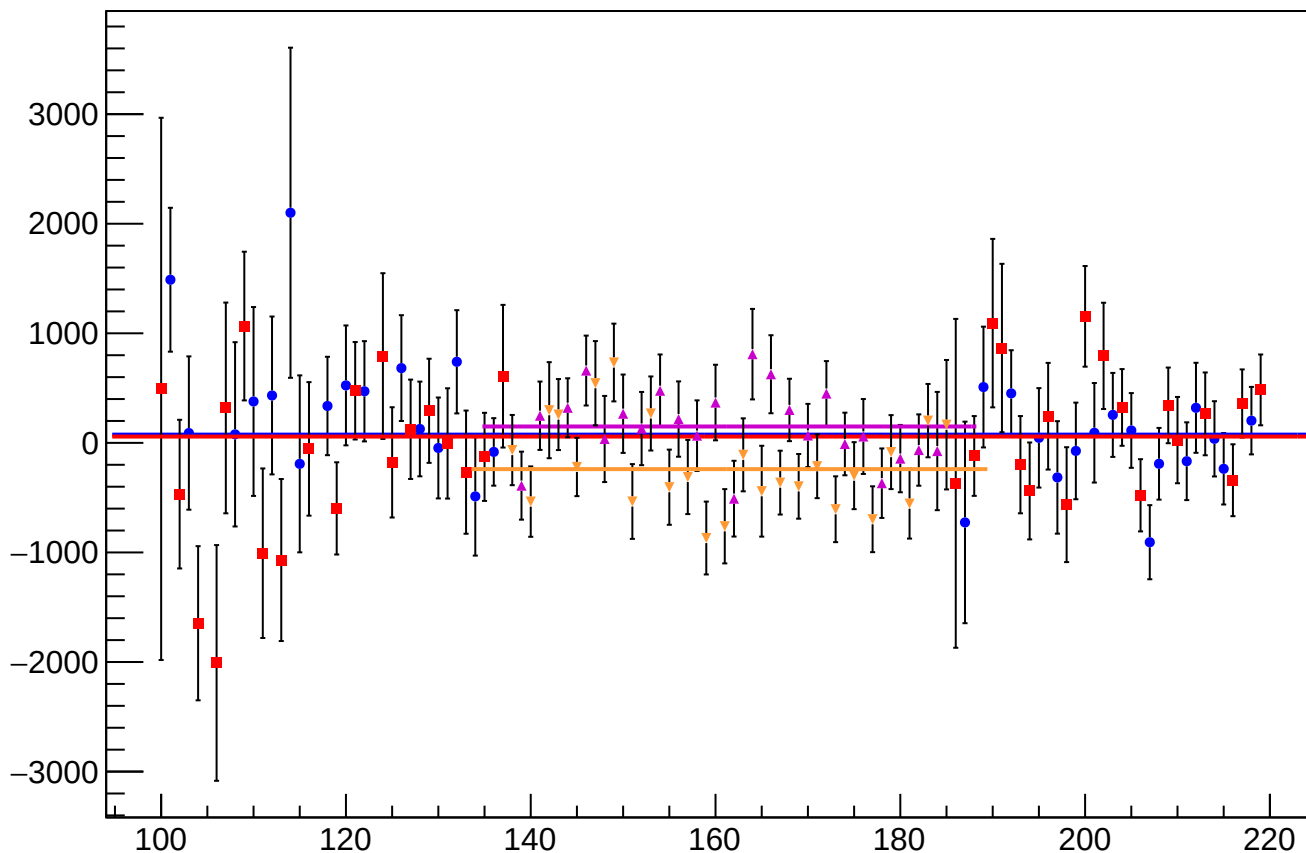
Left In: 1994.760 ± 0.333 $\chi^2/\text{NDF}: 599996.2/22$

+ sign 2372.897 ± 0.290 $\chi^2/\text{NDF}: 11772744.6/56$

All: 2405.683 ± 0.209 $\chi^2/\text{NDF}: 25090235.2/100$

- sign 2440.864 ± 0.301 $\chi^2/\text{NDF}: 13291017.8/59$

dit_asym_sam2_mean vs Slug



Right In: 75.177 $\pm$ 78.503 χ^2 /NDF: 27.9/31

Left Out: -239.549 $\pm$ 66.167 χ^2 /NDF:34.0/24

Right Out: 57.626 $\pm$ 78.362 χ^2 /NDF: 45.5/36

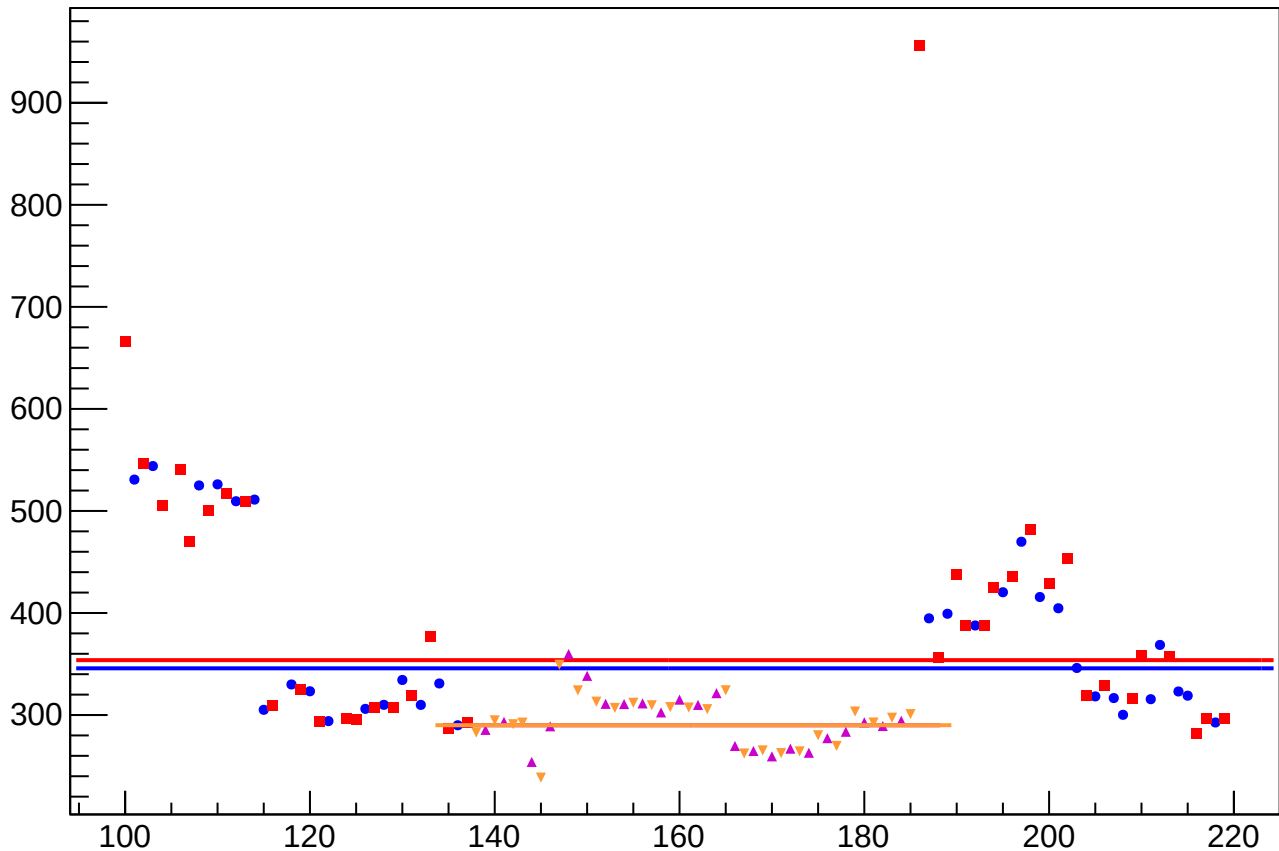
Left In: 149.516 $\pm$ 68.160 χ^2 /NDF:21.7/22

+ sign -108.829 $\pm$ 50.593 χ^2 /NDF: 71.3/56

All: -1.234 $\pm$ 36.066 χ^2 /NDF: 148.5/116

- sign 109.938 $\pm$ 51.427 χ^2 /NDF: 68.0/59

dit_asym_sam2_rms vs Slug



Right In: 345.763 $\pm$ 0.056 χ^2 /NDF: 1239699.0/31

Left Out: 290.023 $\pm$ 0.047 χ^2 /NDF: 280647.1/24

Right Out: 353.780 $\pm$ 0.055 χ^2 /NDF: 1874497.7/36

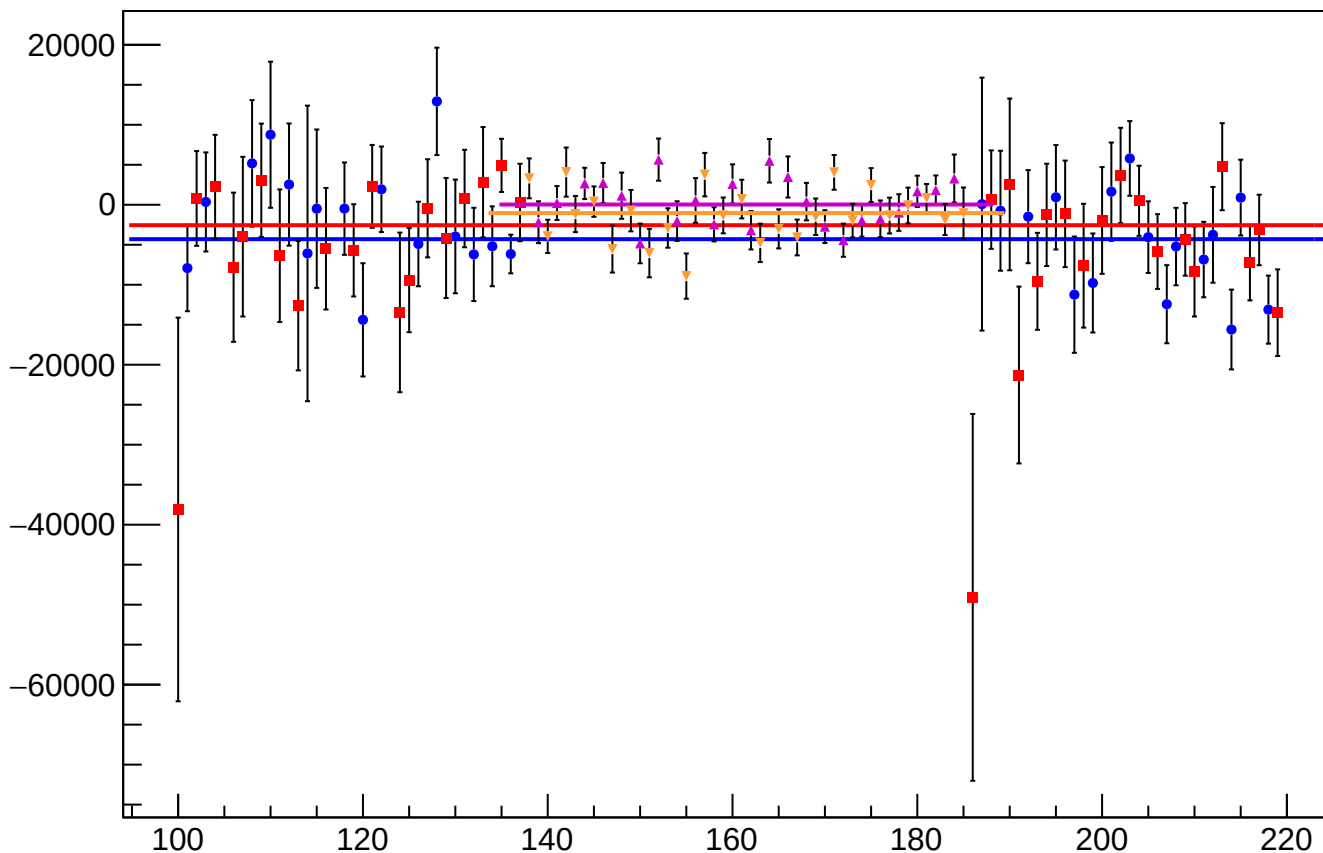
Left In: 289.941 $\pm$ 0.048 χ^2 /NDF: 269669.5/22

+ sign 313.174 $\pm$ 0.036 χ^2 /NDF: 2109854.4/56

All: 315.271 $\pm$ 0.026 χ^2 /NDF: 5016661.5/116

- sign 317.437 $\pm$ 0.036 χ^2 /NDF: 2899824.3/59

asym_sam2_dit_correction_mean vs Slug



Right In: -4299.824 ± 970.663 χ^2/NDF : 38.8/31

Left Out: -1036.592 ± 465.324 χ^2/NDF : 40.3/24

Right Out: -2553.592 ± 1001.324 χ^2/NDF : 35.4/36

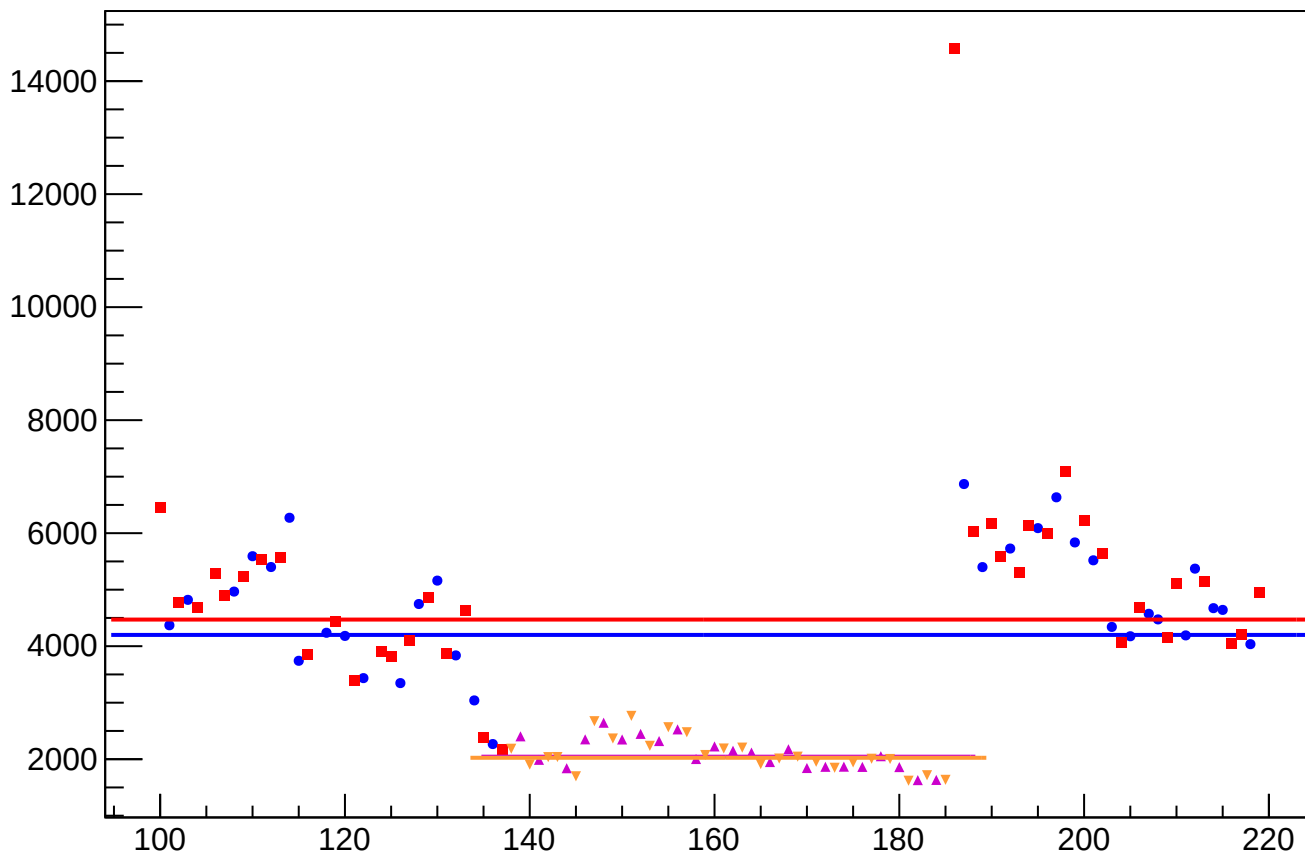
Left In: 30.393 ± 482.280 χ^2/NDF : 34.1/22

+ sign -1646.384 ± 419.600 χ^2/NDF : 88.3/56

All: -1072.043 ± 301.835 χ^2/NDF : 167.1/116

- sign -456.166 ± 434.508 χ^2/NDF : 74.9/59

asym_sam2_dit_correction_rms vs Slug



Right In: 4199.373 ± 0.686 $\chi^2/\text{NDF}: 2707066.9/31$

Left Out: 2025.085 ± 0.329 $\chi^2/\text{NDF}: 700821.6/24$

Right Out: 4471.057 ± 0.708 $\chi^2/\text{NDF}: 2965229.9/36$

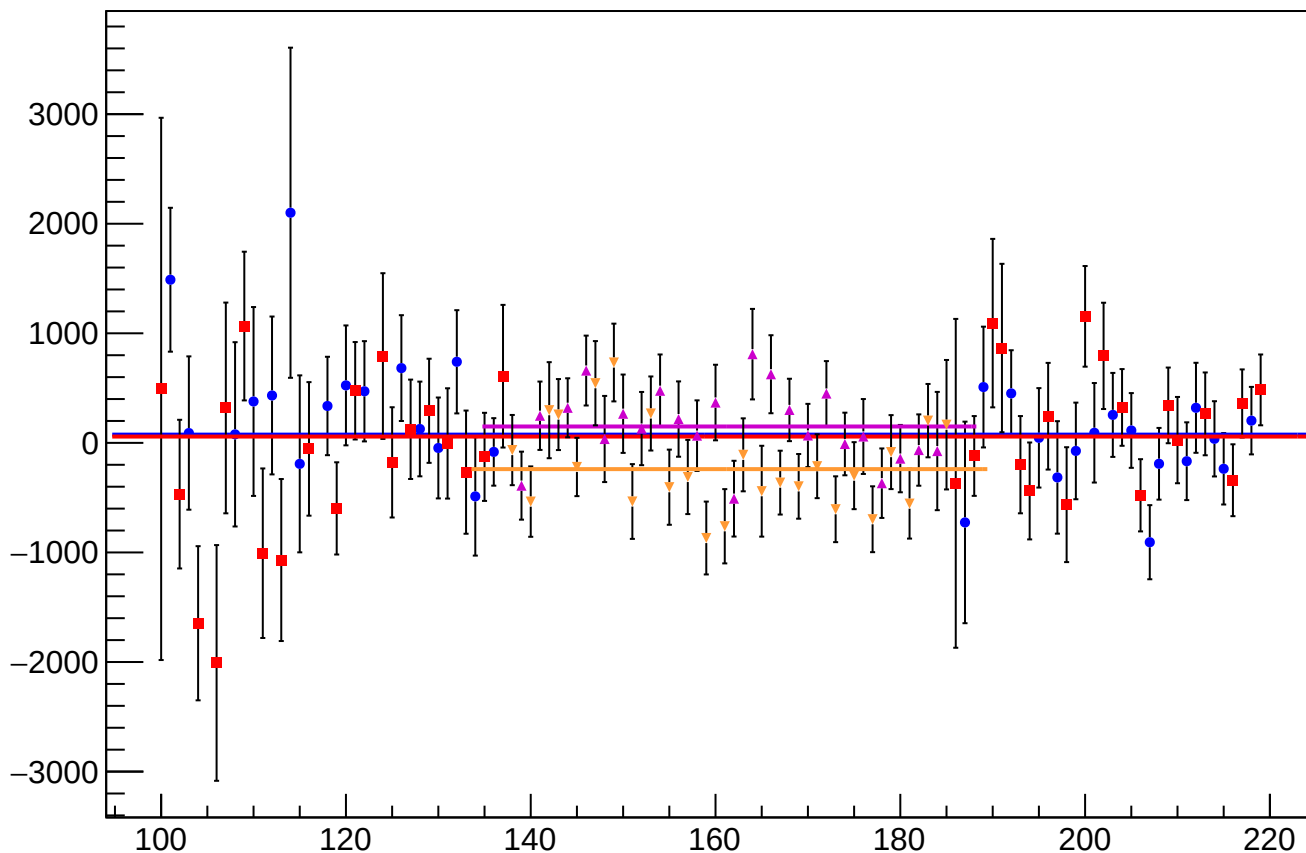
Left In: 2044.523 ± 0.341 $\chi^2/\text{NDF}: 584918.7/22$

+ sign 2431.389 ± 0.297 $\chi^2/\text{NDF}: 11567845.2/56$

All: 2465.190 ± 0.213 $\chi^2/\text{NDF}: 24678332.5/100$

- sign 2501.435 ± 0.307 $\chi^2/\text{NDF}: 13083593.0/59$

eigen_dit_asym_sam2_mean vs Slug



Right In: 75.185 ± 78.503 χ^2/NDF : 27.9/31

Left Out: -239.552 ± 66.167 χ^2/NDF : 34.0/24

Right Out: 57.629 ± 78.361 χ^2/NDF : 45.5/36

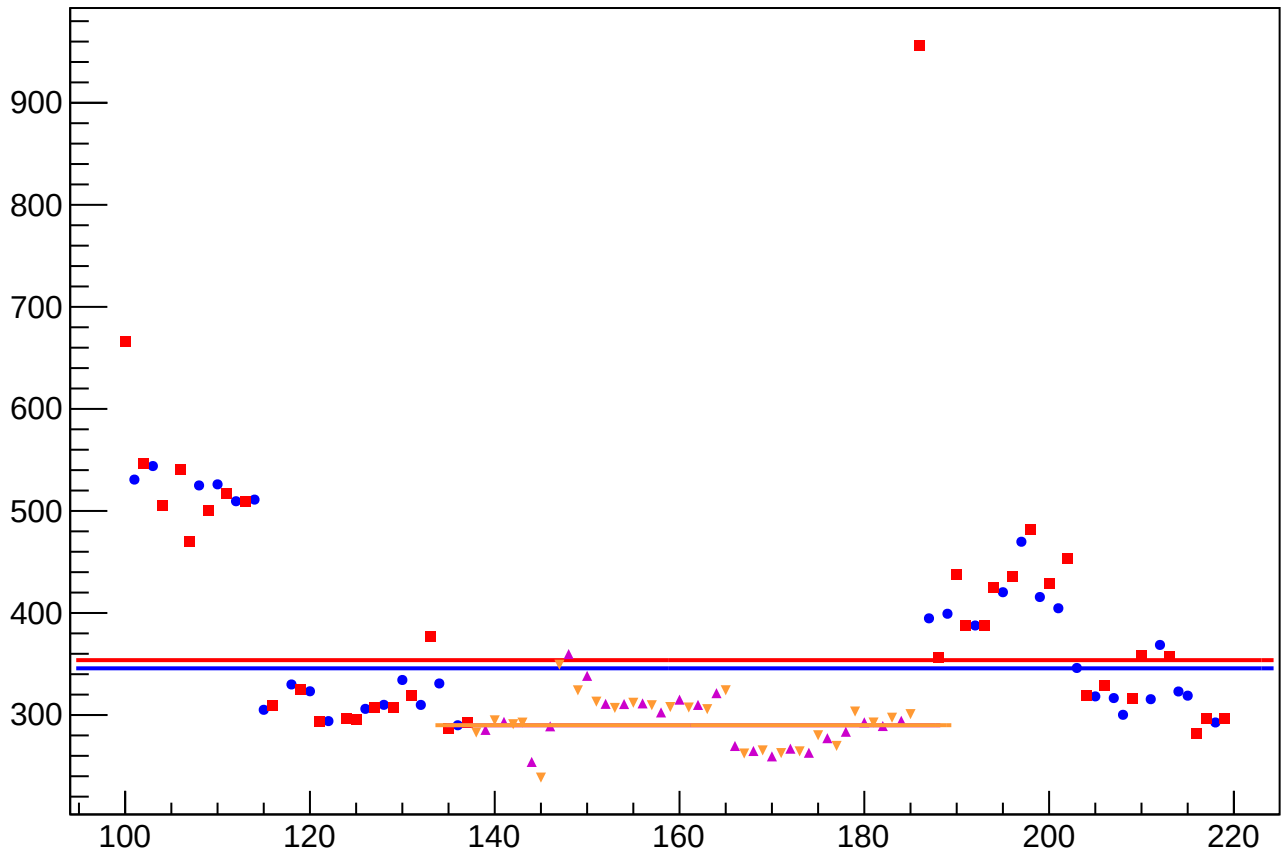
Left In: 149.517 ± 68.160 χ^2/NDF : 21.7/22

+ sign -108.827 ± 50.593 χ^2/NDF : 71.3/56

All: -1.232 ± 36.066 χ^2/NDF : 148.5/116

- sign 109.940 ± 51.427 χ^2/NDF : 68.0/59

eigen_dit_asym_sam2_rms vs Slug



Right In: 345.762 $\pm$ 0.056 χ^2 /NDF: 1239694.1/31

Left Out: 290.023 $\pm$ 0.047 χ^2 /NDF: 280652.8/24

Right Out: 353.779 $\pm$ 0.055 χ^2 /NDF: 1874487.8/36

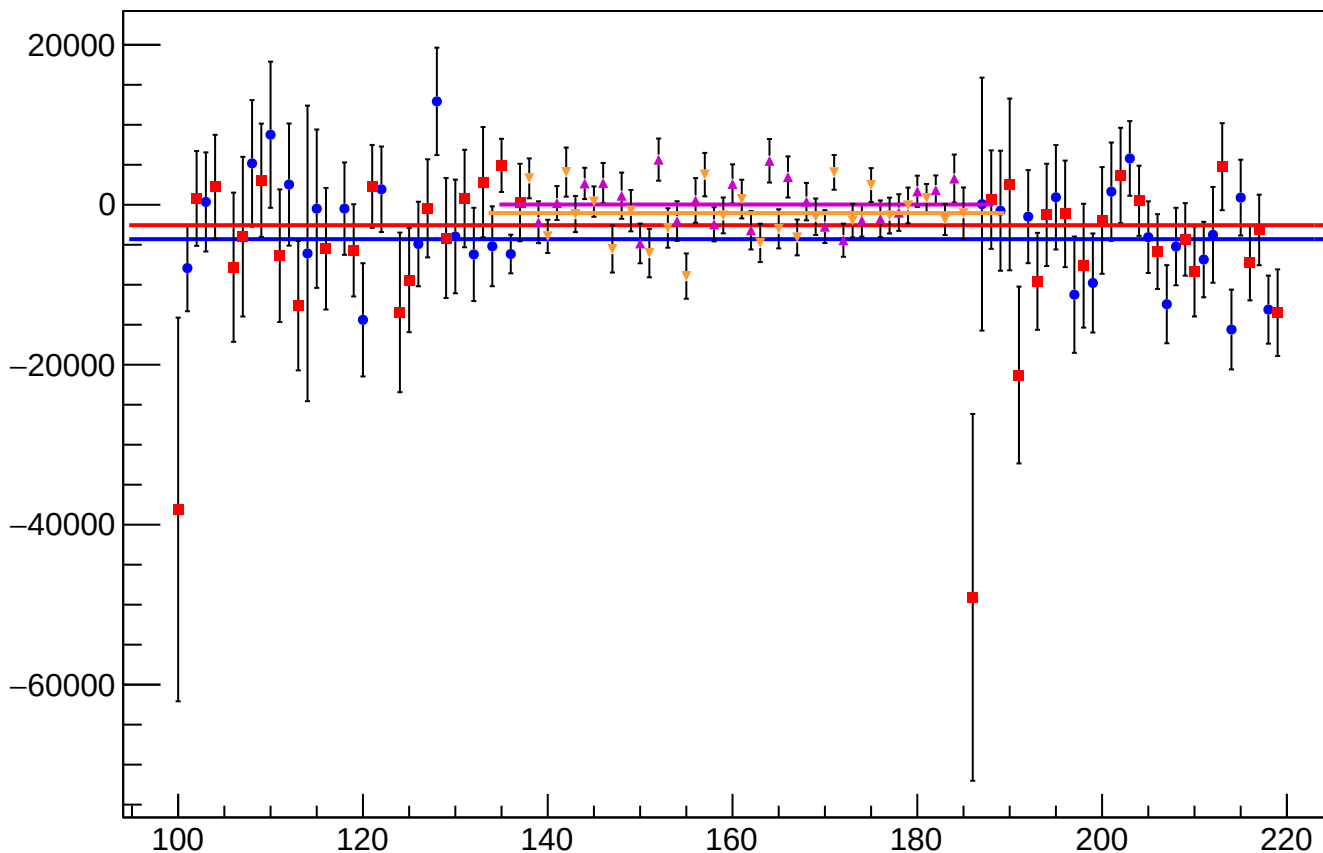
Left In: 289.941 $\pm$ 0.048 χ^2 /NDF: 269671.9/22

+ sign 313.174 $\pm$ 0.036 χ^2 /NDF: 2109840.3/56

All: 315.271 $\pm$ 0.026 χ^2 /NDF: 5016632.8/116

- sign 317.437 $\pm$ 0.036 χ^2 /NDF: 2899809.5/59

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -4299.819 ± 970.663 χ^2/NDF : 38.8/31

Left Out: -1036.591 ± 465.324 χ^2/NDF : 40.3/24

Right Out: -2553.589 ± 1001.324 χ^2/NDF : 35.4/36

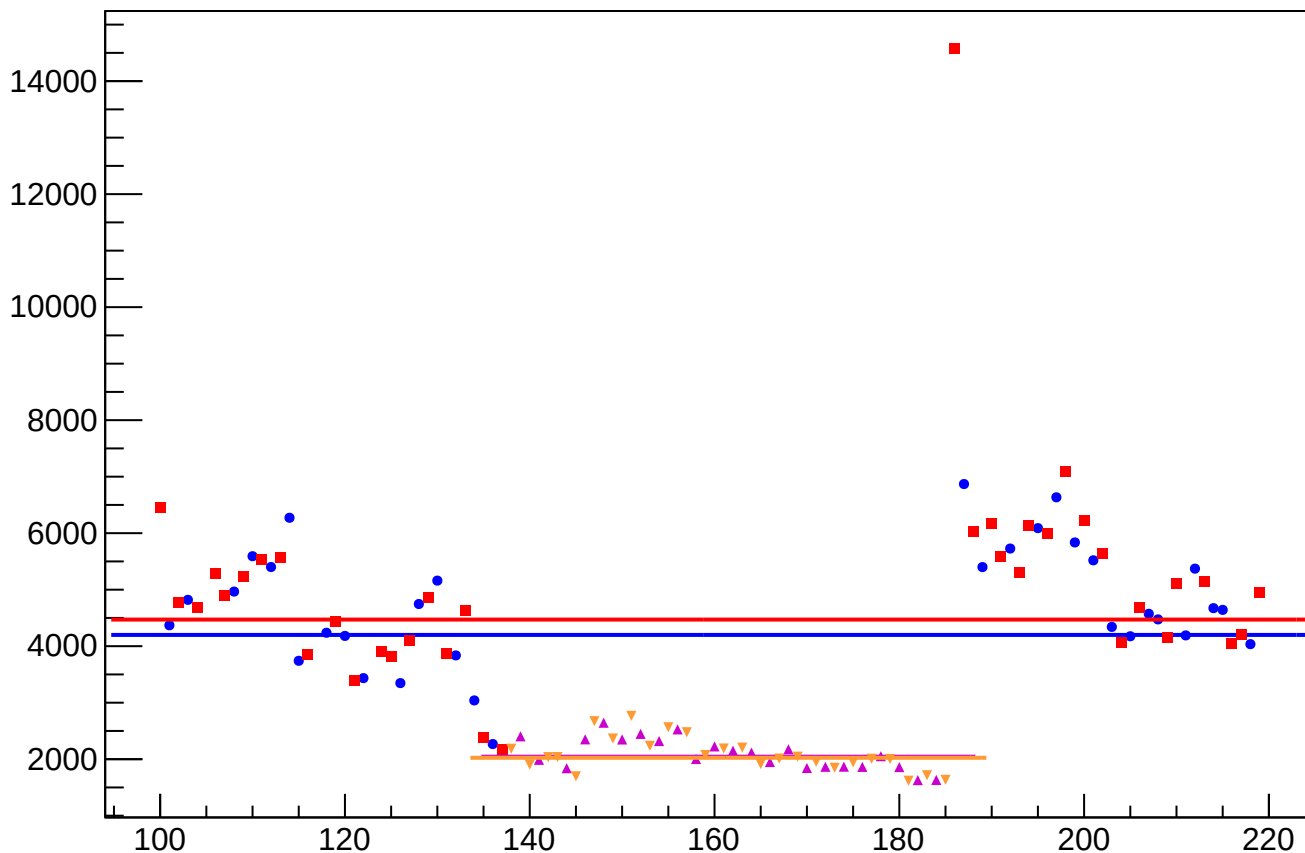
Left In: 30.392 ± 482.280 χ^2/NDF : 34.1/22

+ sign -1646.384 ± 419.600 χ^2/NDF : 88.3/56

All: -1072.044 ± 301.835 χ^2/NDF : 167.1/116

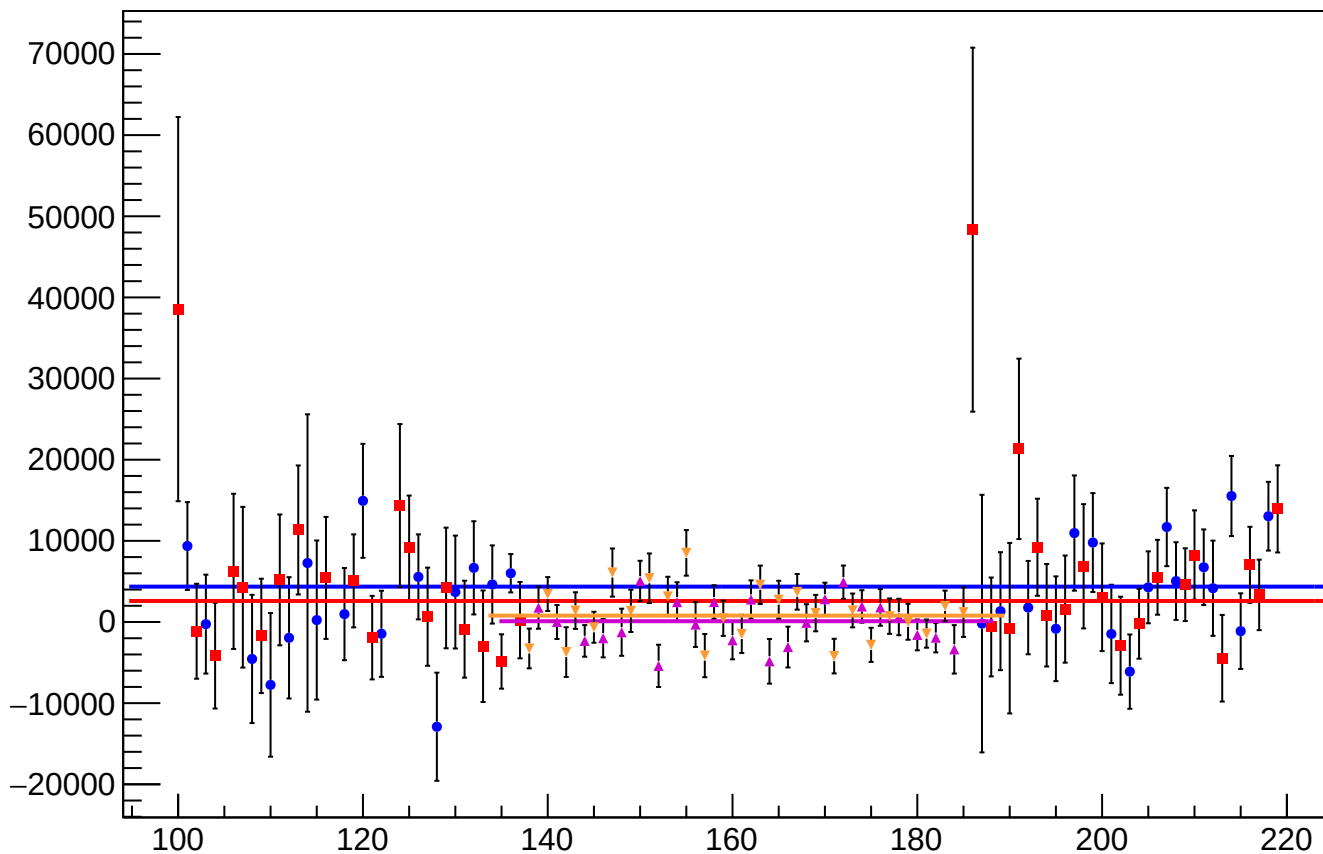
- sign -456.167 ± 434.508 χ^2/NDF : 74.9/59

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4199.370+/-0.686	χ^2/NDF : 2707059.8/31	+ sign 2431.390+/-0.297	χ^2/NDF : 11567830.3/56
Left Out: 2025.085+/-0.329	χ^2/NDF : 700825.4/24	All: 2465.190+/-0.213	χ^2/NDF : 24678310.0/101
Right Out: 4471.055+/-0.708	χ^2/NDF : 2965224.4/36	- sign 2501.434+/-0.307	χ^2/NDF : 13083585.8/59
Left In: 2044.522+/-0.341	χ^2/NDF : 584922.7/22		

asym_sam2_mean vs Slug



Right In: 4358.819+/-955.774 χ^2/NDF : 39.0/31

Left Out: 788.321+/-458.726 χ^2/NDF : 41.3/24

Right Out: 2592.196+/-991.542 χ^2/NDF : 34.6/36

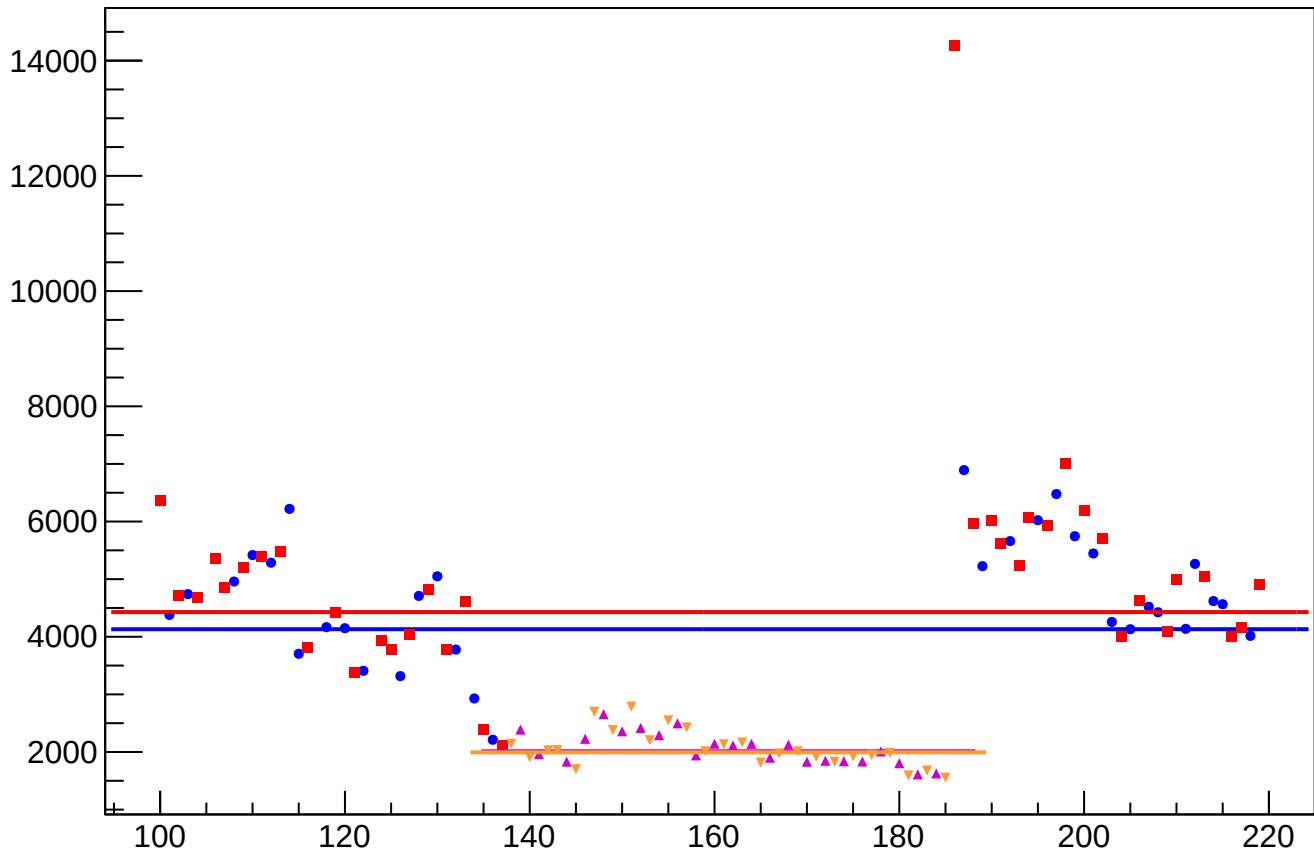
Left In: 96.730+/-474.825 χ^2/NDF : 32.8/22

+ sign 1456.810+/-413.560 χ^2/NDF : 91.6/56

All: 1025.136+/-297.490 χ^2/NDF : 166.5/116

- sign 562.243+/-428.254 χ^2/NDF : 72.6/59

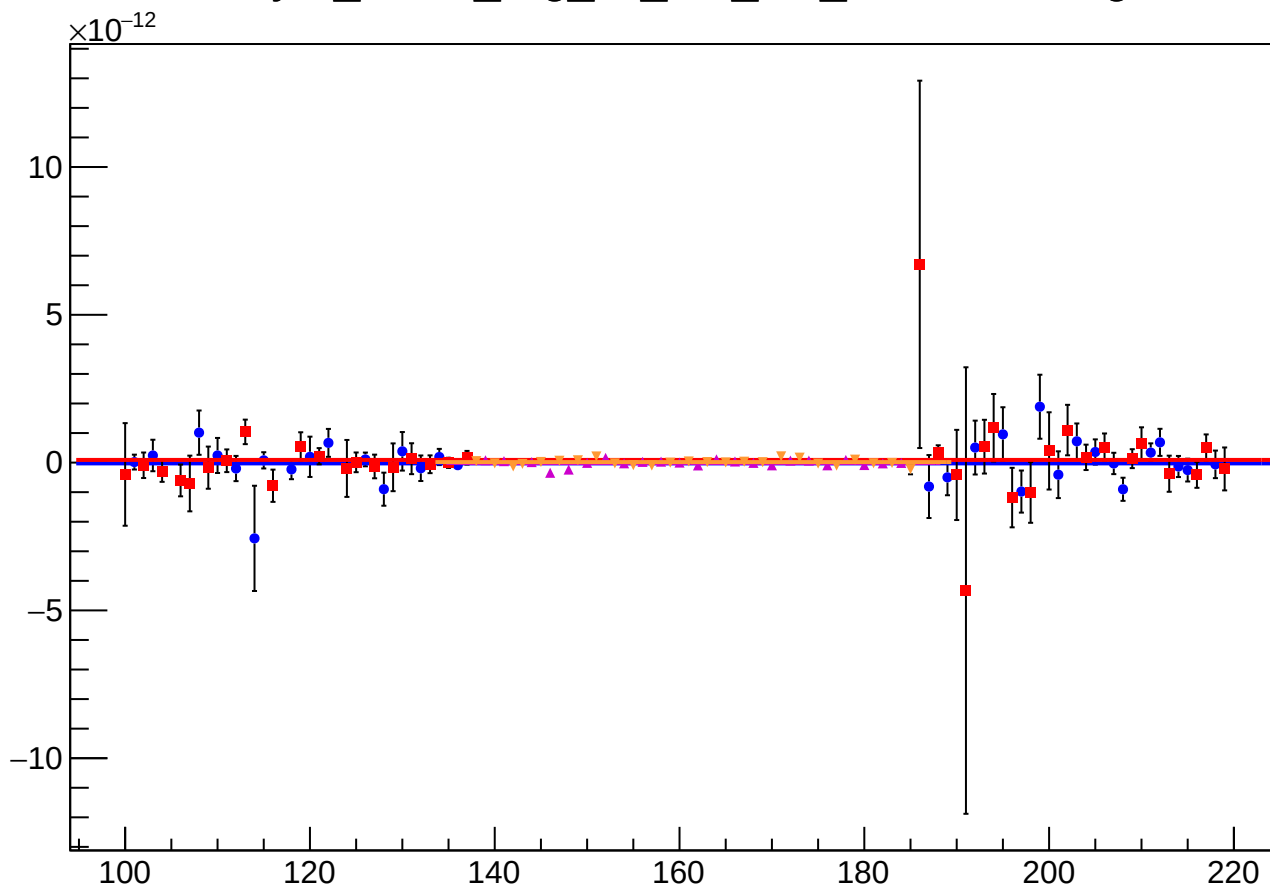
asym_sam2_rms vs Slug



Right In: 4131.061 ± 0.676 χ^2/NDF : 2761147.7/31
 Left Out: 1994.246 ± 0.324 χ^2/NDF : 746498.4/24
 Right Out: 4428.747 ± 0.701 χ^2/NDF : 2949094.2/36
 Left In: 2012.692 ± 0.336 χ^2/NDF : 587260.9/22

+ sign 2394.312 ± 0.292 χ^2/NDF : 11632642.7/56
 All: 2427.646 ± 0.210 χ^2/NDF : 24855450.8/100
 - sign 2463.391 ± 0.303 χ^2/NDF : 13195881.7/59

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 31.4/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 27.2/36

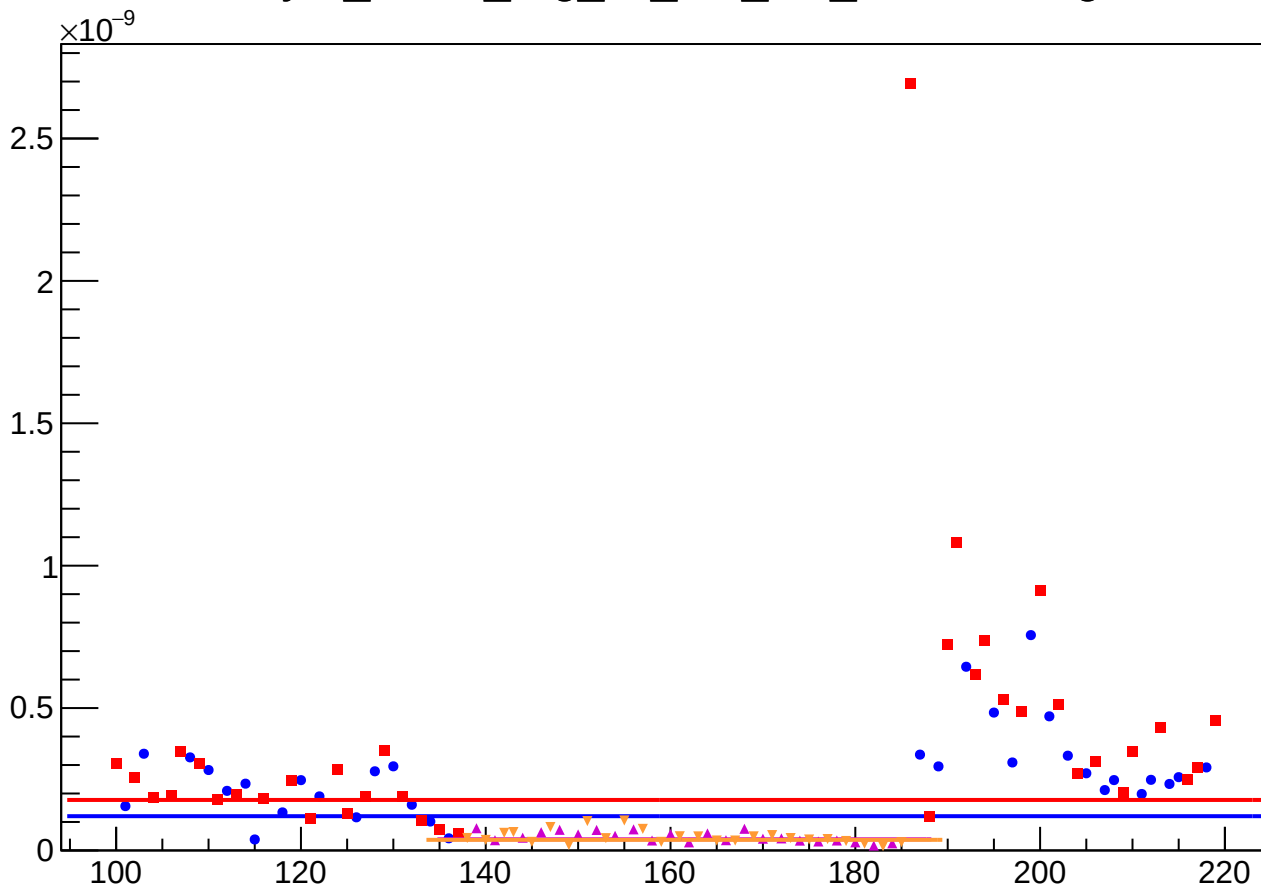
Left In: -0.000 ± 0.000 χ^2/NDF : 30.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 53.2/56

All: 0.000 ± 0.000 χ^2/NDF : 114.4/116

- sign -0.000 ± 0.000 χ^2/NDF : 60.0/59

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7749999.8/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6258608.9/36

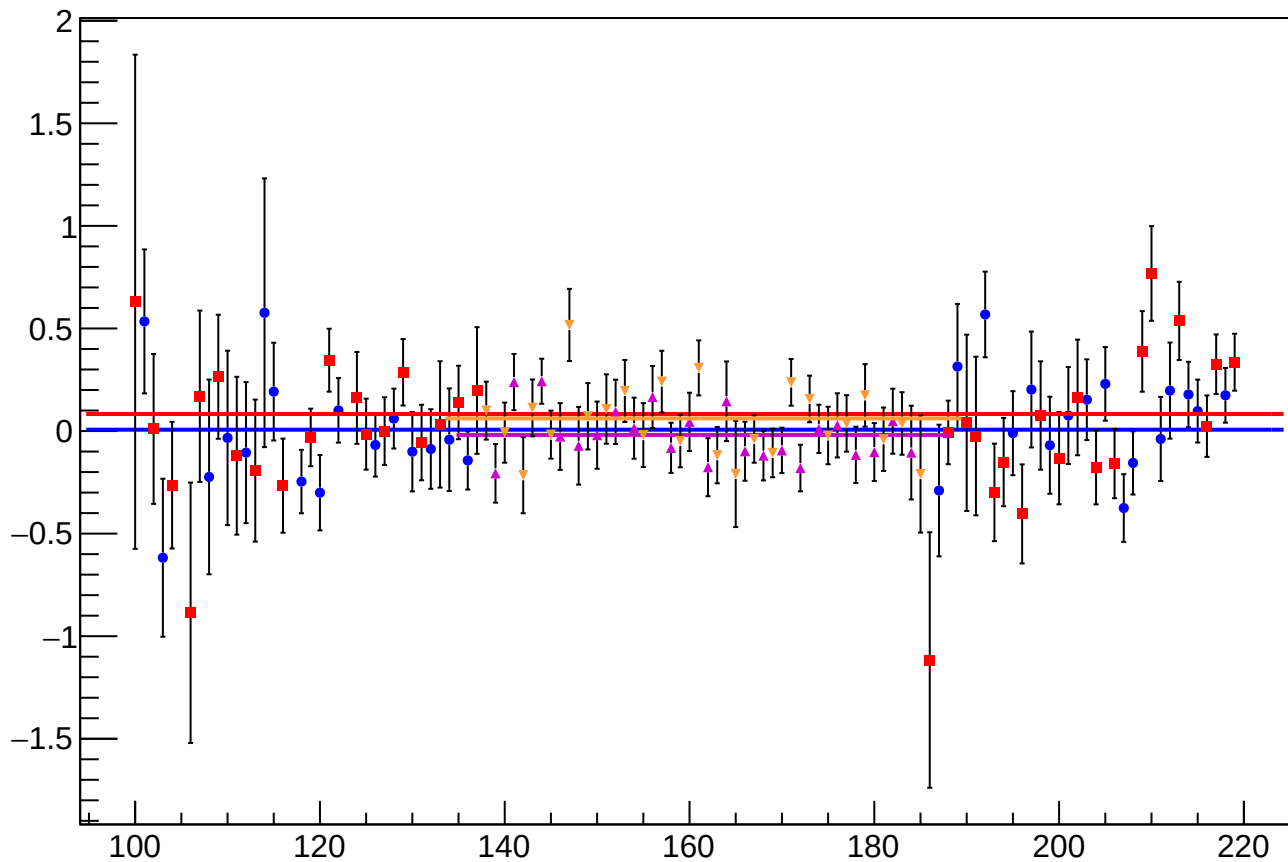
Left In: 0.000+/-0.000 χ^2/NDF : 1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 14407517.7/56

All: 0.000+/-0.000 χ^2/NDF : 29939277.2/116

- sign 0.000+/-0.000 χ^2/NDF : 15498558.7/59

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.035 χ^2/NDF : 36.6/31

Left Out: 0.062 ± 0.029 χ^2/NDF : 27.4/24

Right Out: 0.083 ± 0.035 χ^2/NDF : 54.4/36

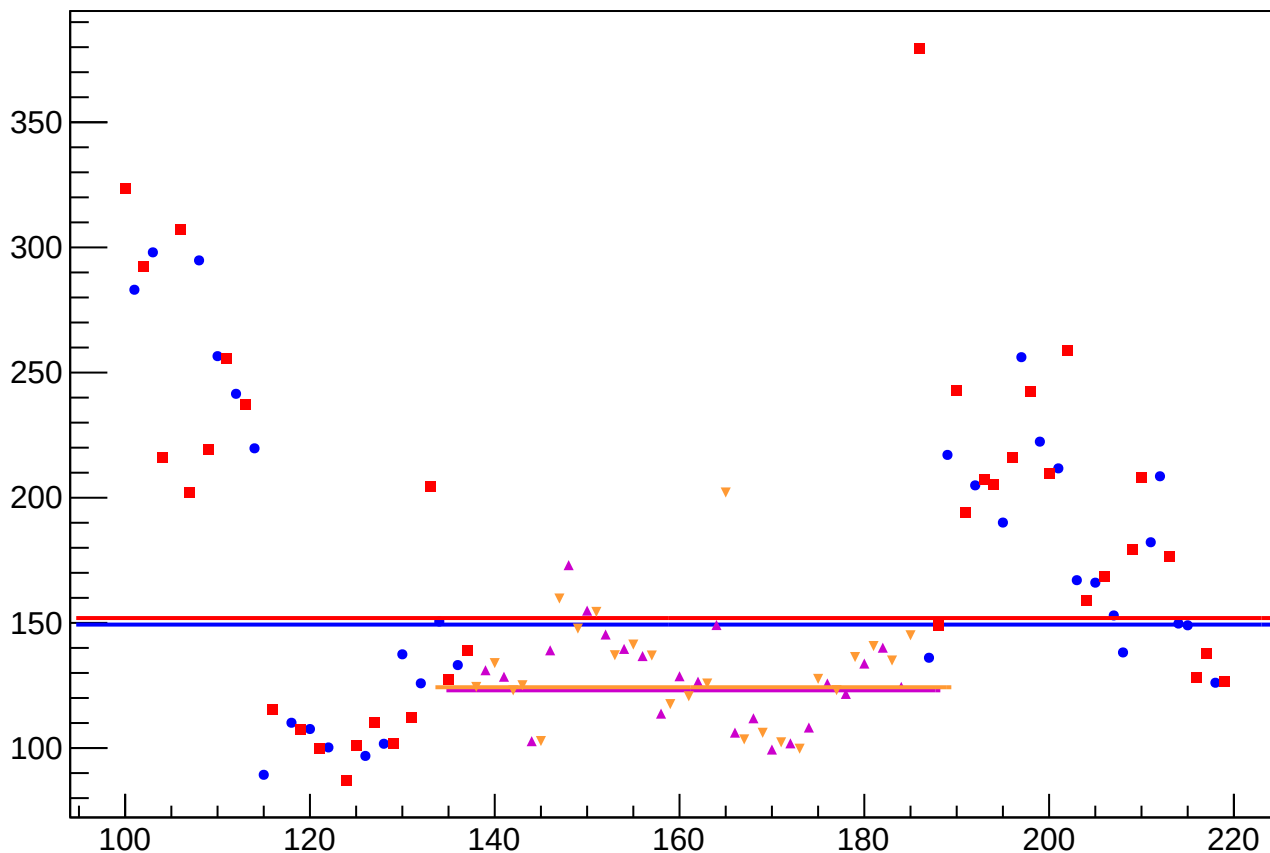
Left In: -0.019 ± 0.029 χ^2/NDF : 20.3/22

+ sign 0.040 ± 0.022 χ^2/NDF : 65.5/56

All: 0.032 ± 0.016 χ^2/NDF : 145.5/116

- sign 0.023 ± 0.022 χ^2/NDF : 79.7/59

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 149.322 $\pm$ 0.025 χ^2 /NDF: 3357895.0/31

Left Out: 124.292 $\pm$ 0.020 χ^2 /NDF: 840983.3/24

Right Out: 151.933 $\pm$ 0.025 χ^2 /NDF: 4028543.9/36

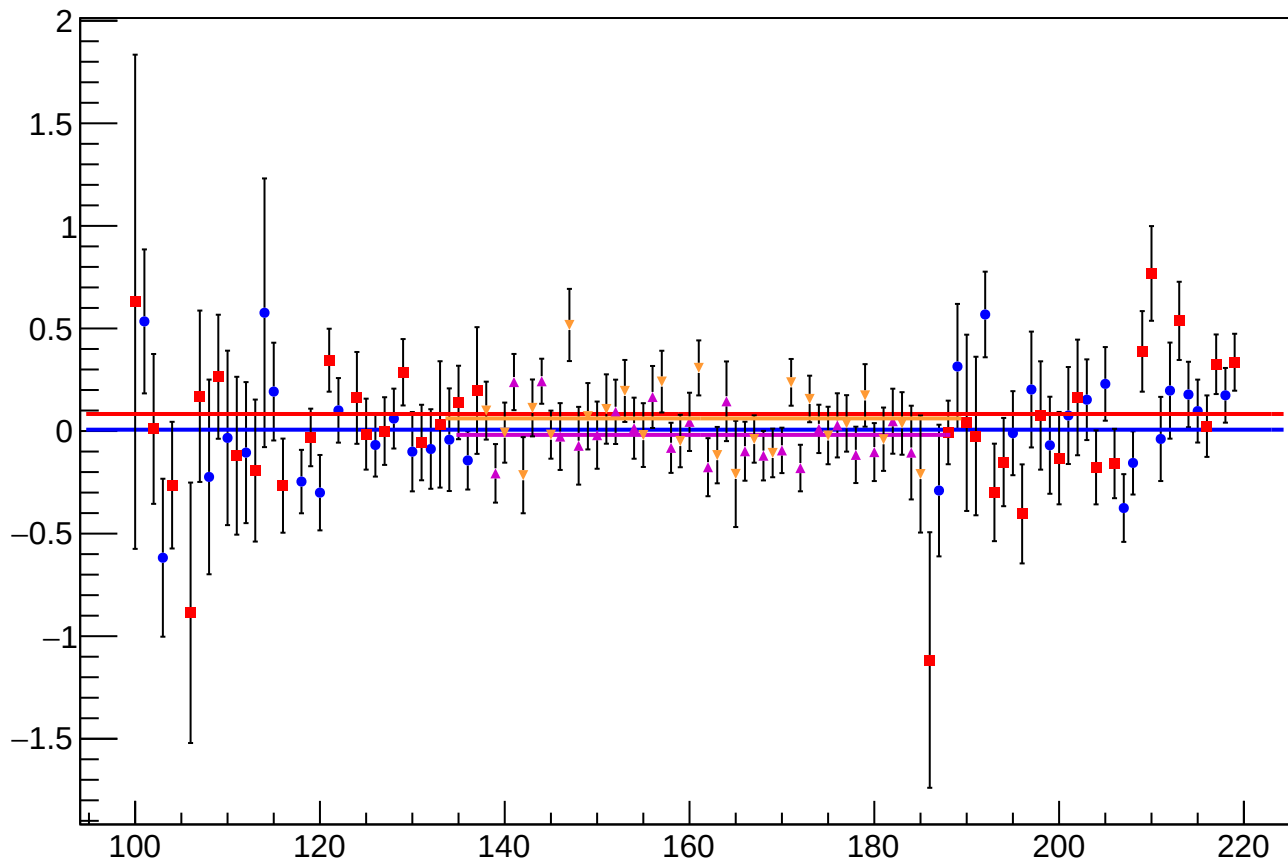
Left In: 123.062 $\pm$ 0.021 χ^2 /NDF: 718821.1/22

+ sign 134.260 $\pm$ 0.016 χ^2 /NDF: 4805458.6/56

All: 134.614 $\pm$ 0.011 χ^2 /NDF: 10353480.3/11

- sign 134.975 $\pm$ 0.016 χ^2 /NDF: 5546998.5/59

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.035 χ^2/NDF : 36.6/31

Left Out: 0.062 ± 0.029 χ^2/NDF : 27.4/24

Right Out: 0.083 ± 0.035 χ^2/NDF : 54.4/36

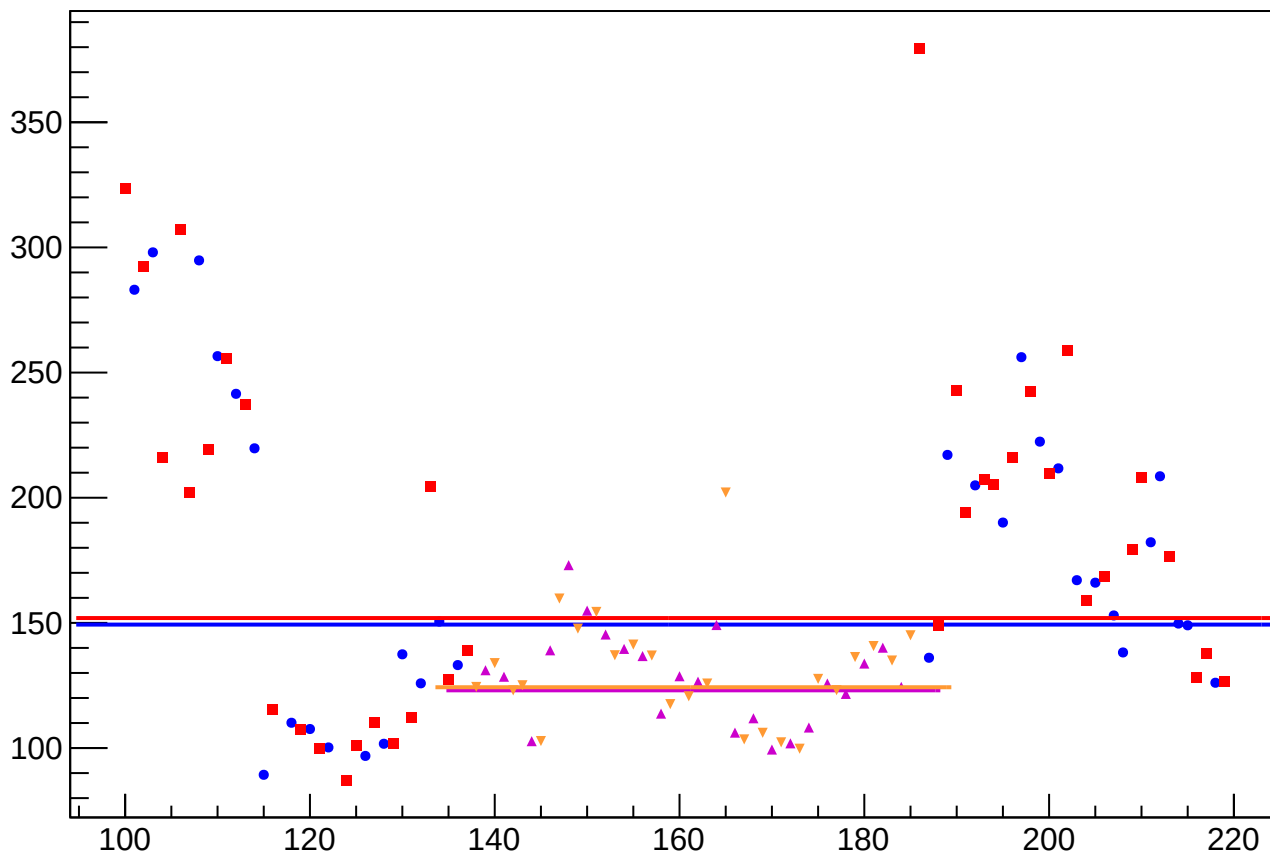
Left In: -0.019 ± 0.029 χ^2/NDF : 20.3/22

+ sign 0.040 ± 0.022 χ^2/NDF : 65.5/56

All: 0.032 ± 0.016 χ^2/NDF : 145.5/116

- sign 0.023 ± 0.022 χ^2/NDF : 79.7/59

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 149.322 $\pm$ 0.025 χ^2 /NDF: 3357895.0/31

Left Out: 124.292 $\pm$ 0.020 χ^2 /NDF: 840983.3/24

Right Out: 151.933 $\pm$ 0.025 χ^2 /NDF: 4028543.9/36

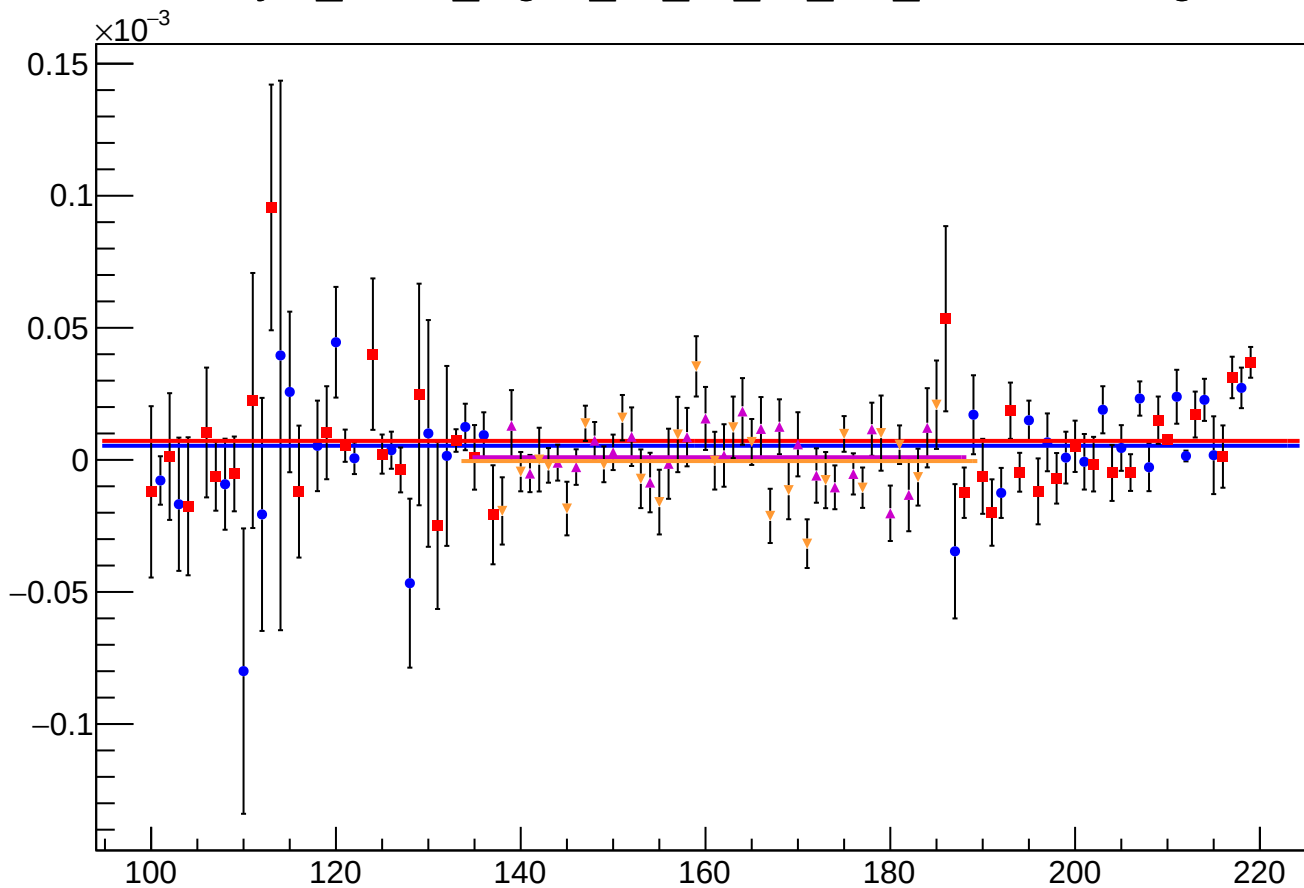
Left In: 123.062 $\pm$ 0.021 χ^2 /NDF: 718821.1/22

+ sign 134.260 $\pm$ 0.016 χ^2 /NDF: 4805458.6/56

All: 134.614 $\pm$ 0.011 χ^2 /NDF: 10353480.3/11

- sign 134.975 $\pm$ 0.016 χ^2 /NDF: 5546998.5/59

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 54.1/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 52.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 77.6/36

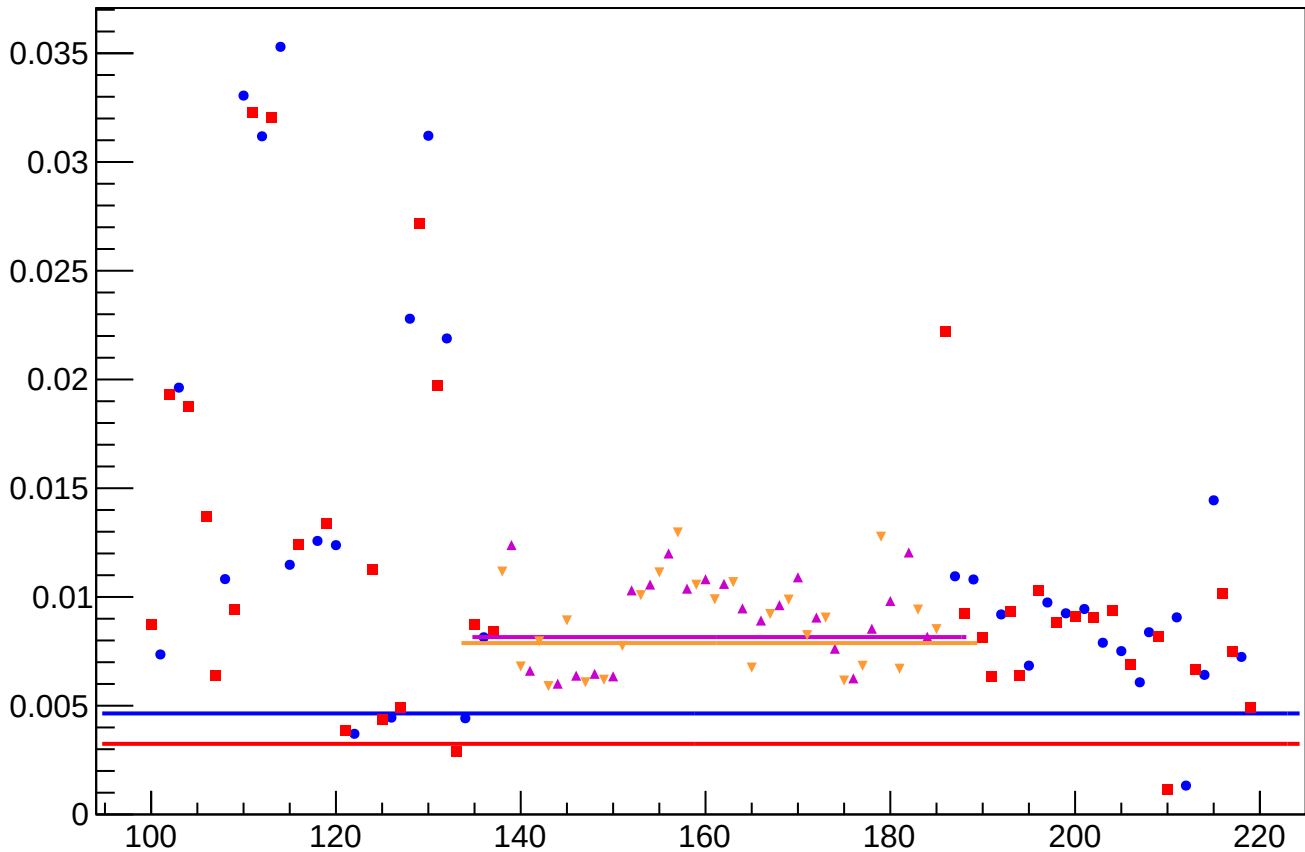
Left In: 0.000 ± 0.000 χ^2/NDF : 20.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 112.8/56

All: 0.000 ± 0.000 χ^2/NDF : 221.2/116

- sign 0.000 ± 0.000 χ^2/NDF : 105.1/59

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 15874742.9/31

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 2076596.0/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 20964546.1/36

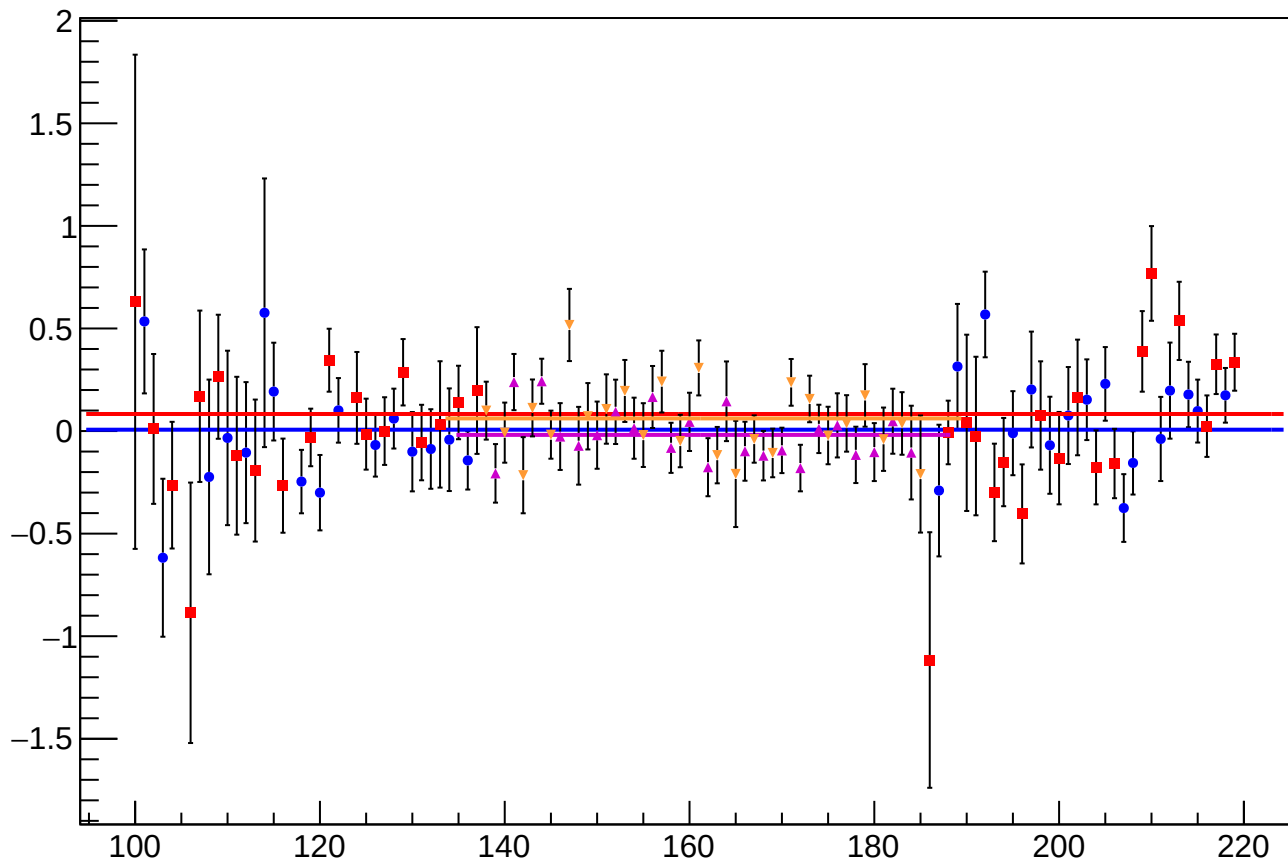
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2017677.5/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 21841420.1/56

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 56557783.0/116

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 32563641.4/59

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.035 χ^2/NDF : 36.6/31

Left Out: 0.062 ± 0.029 χ^2/NDF : 27.4/24

Right Out: 0.083 ± 0.035 χ^2/NDF : 54.4/36

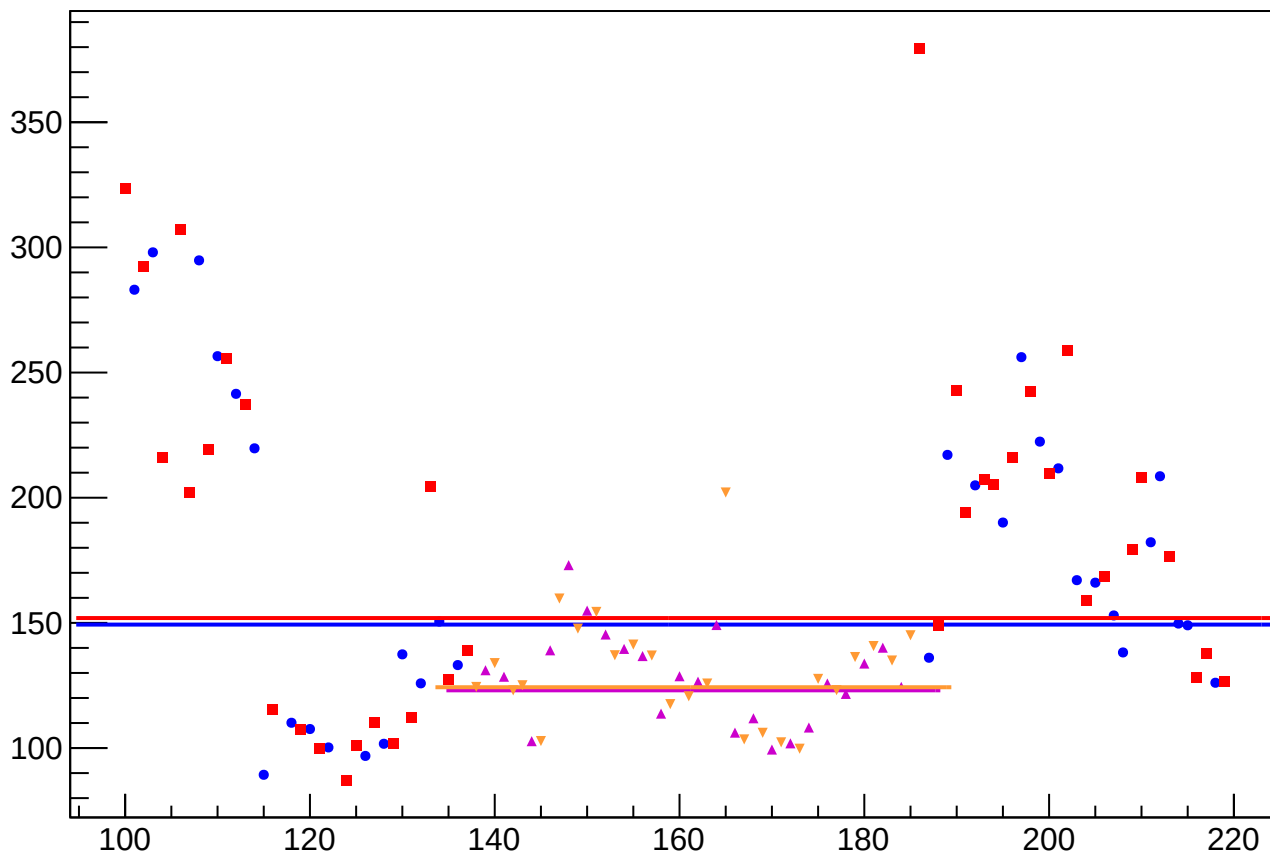
Left In: -0.019 ± 0.029 χ^2/NDF : 20.3/22

+ sign 0.040 ± 0.022 χ^2/NDF : 65.5/56

All: 0.032 ± 0.016 χ^2/NDF : 145.5/116

- sign 0.023 ± 0.022 χ^2/NDF : 79.7/59

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 149.320 $\pm$ 0.025 χ^2/NDF : 3357970.7/31

Left Out: 124.292 $\pm$ 0.020 χ^2/NDF : 841035.9/24

Right Out: 151.931 $\pm$ 0.025 χ^2/NDF : 4028669.3/36

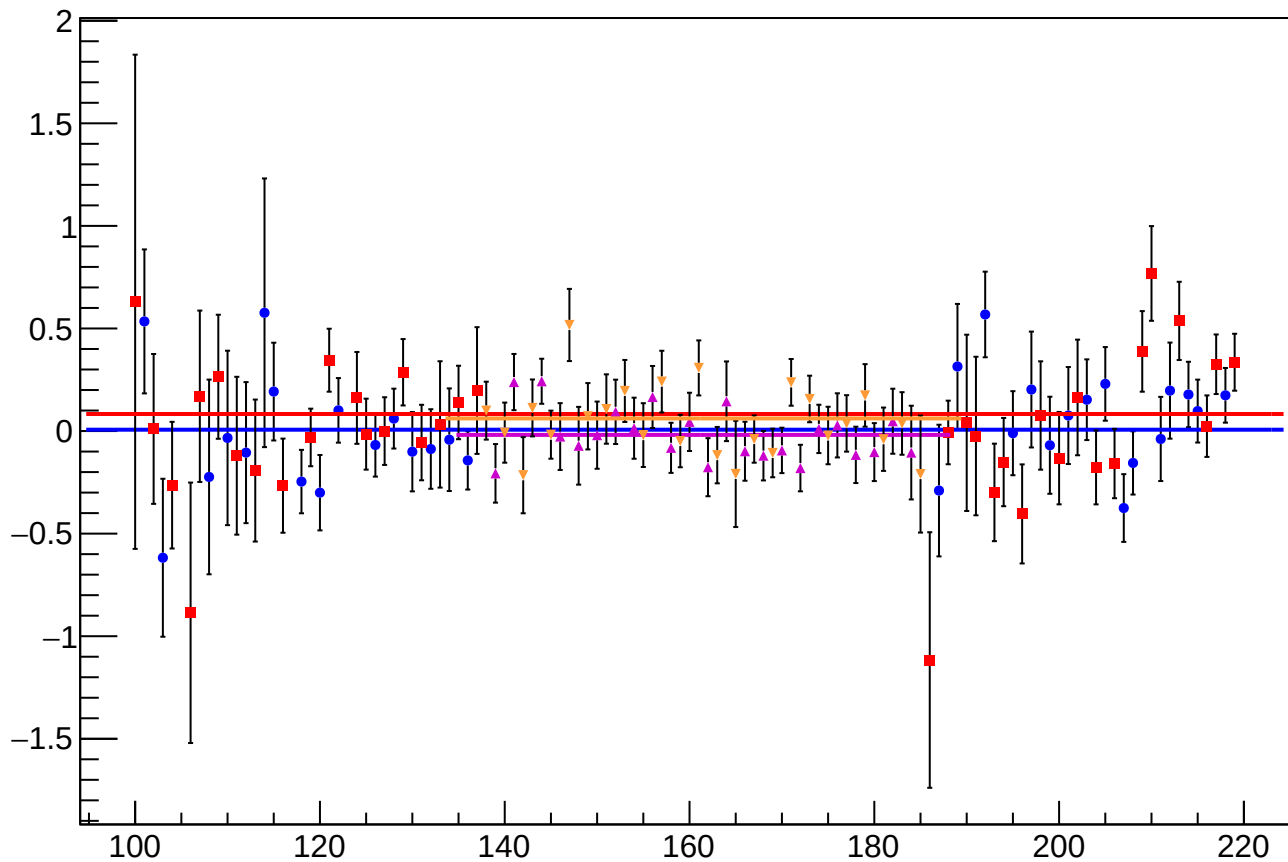
Left In: 123.062 $\pm$ 0.021 χ^2/NDF : 718844.3/22

+ sign 134.259 $\pm$ 0.016 χ^2/NDF : 4805504.7/56

All: 134.613 $\pm$ 0.011 χ^2/NDF : 10353584.9/11

- sign 134.974 $\pm$ 0.016 χ^2/NDF : 5547057.3/59

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.035 $\chi^2/\text{NDF}: 36.6/31$

Left Out: 0.062 ± 0.029 $\chi^2/\text{NDF}: 27.4/24$

Right Out: 0.083 ± 0.035 $\chi^2/\text{NDF}: 54.4/36$

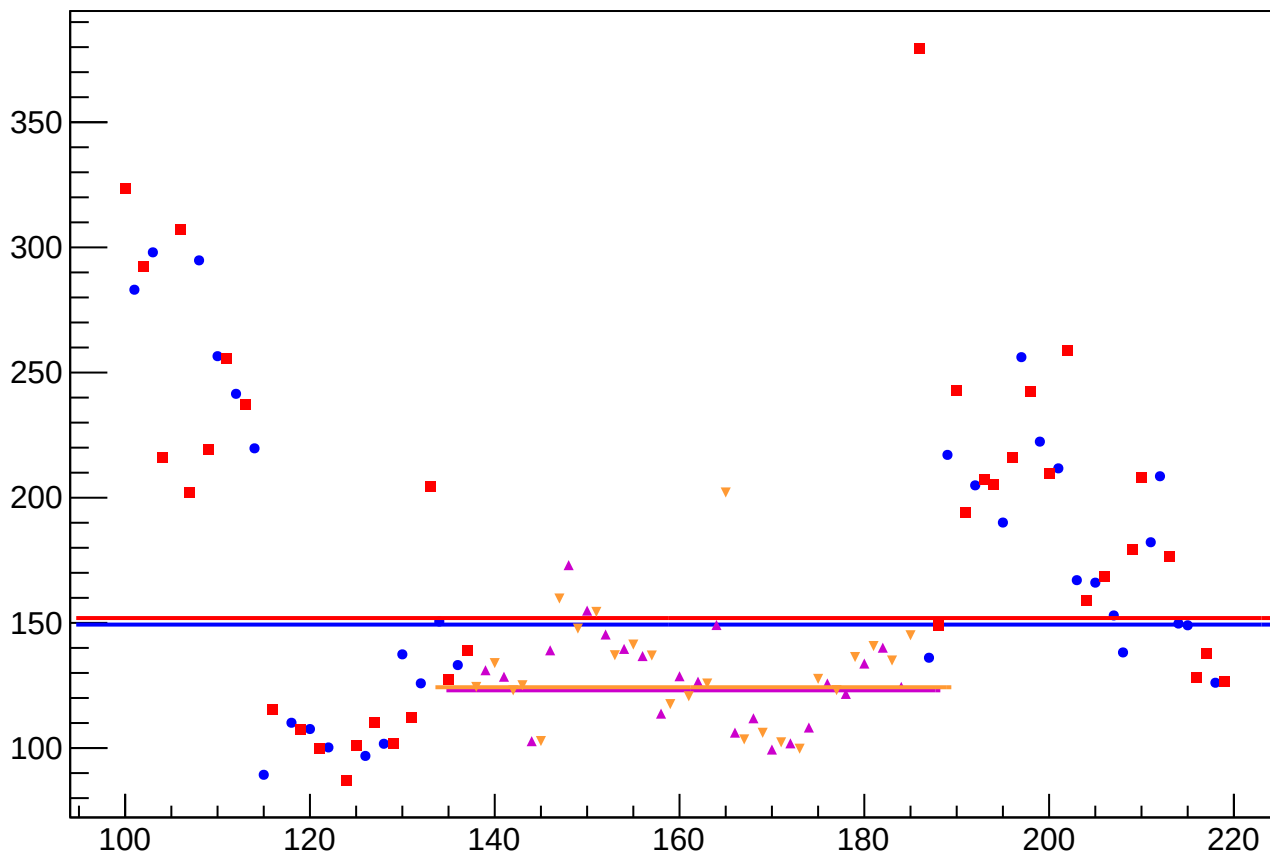
Left In: -0.019 ± 0.029 $\chi^2/\text{NDF}: 20.3/22$

+ sign 0.040 ± 0.022 $\chi^2/\text{NDF}: 65.5/56$

All: 0.032 ± 0.016 $\chi^2/\text{NDF}: 145.5/116$

- sign 0.023 ± 0.022 $\chi^2/\text{NDF}: 79.7/59$

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 149.320 ± 0.025 $\chi^2/\text{NDF}: 3357970.7/31$

Left Out: 124.292 ± 0.020 $\chi^2/\text{NDF}: 841035.9/24$

Right Out: 151.931 ± 0.025 $\chi^2/\text{NDF}: 4028669.3/36$

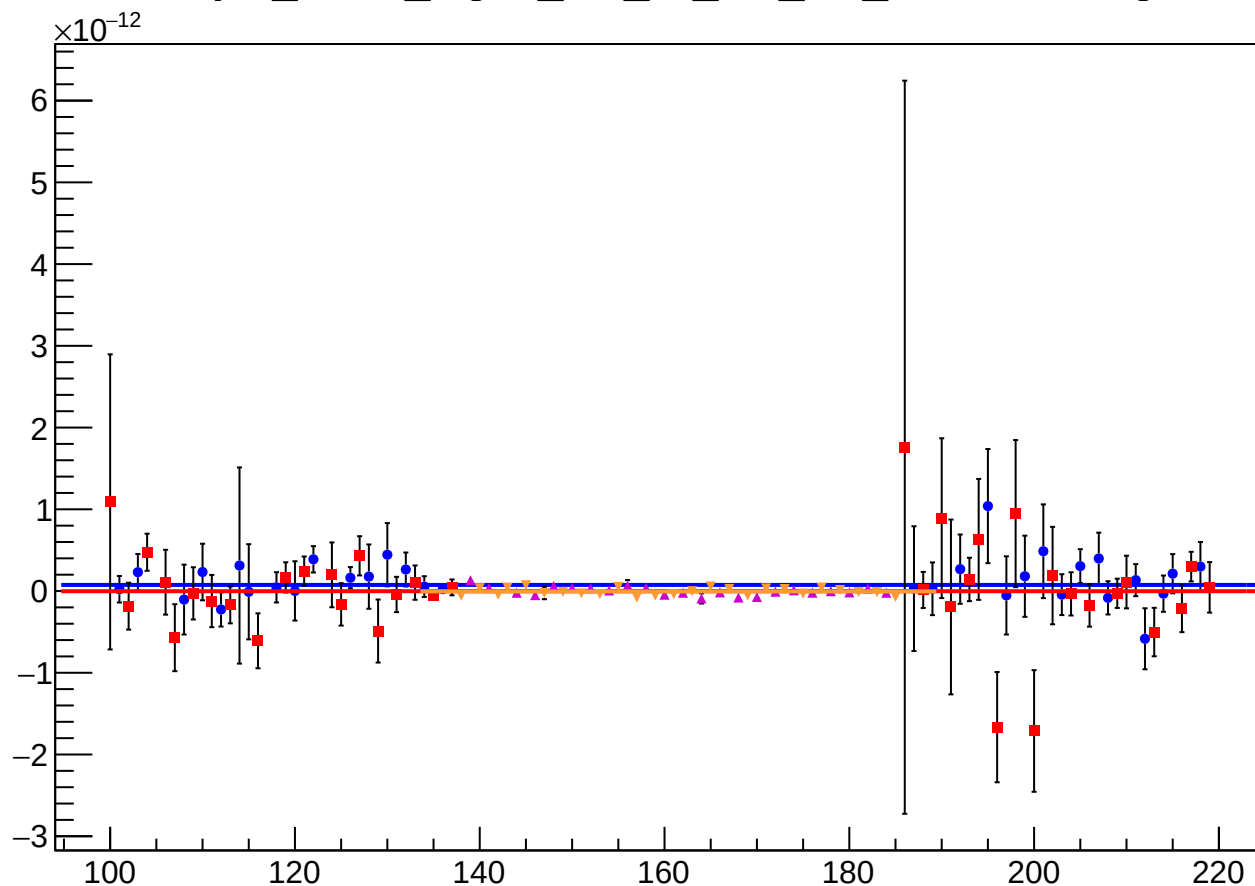
Left In: 123.062 ± 0.021 $\chi^2/\text{NDF}: 718844.3/22$

+ sign 134.259 ± 0.016 $\chi^2/\text{NDF}: 4805504.7/56$

All: 134.613 ± 0.011 $\chi^2/\text{NDF}: 10353584.9/11$

- sign 134.974 ± 0.016 $\chi^2/\text{NDF}: 5547057.3/59$

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 20.6/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 24.5/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 42.1/36

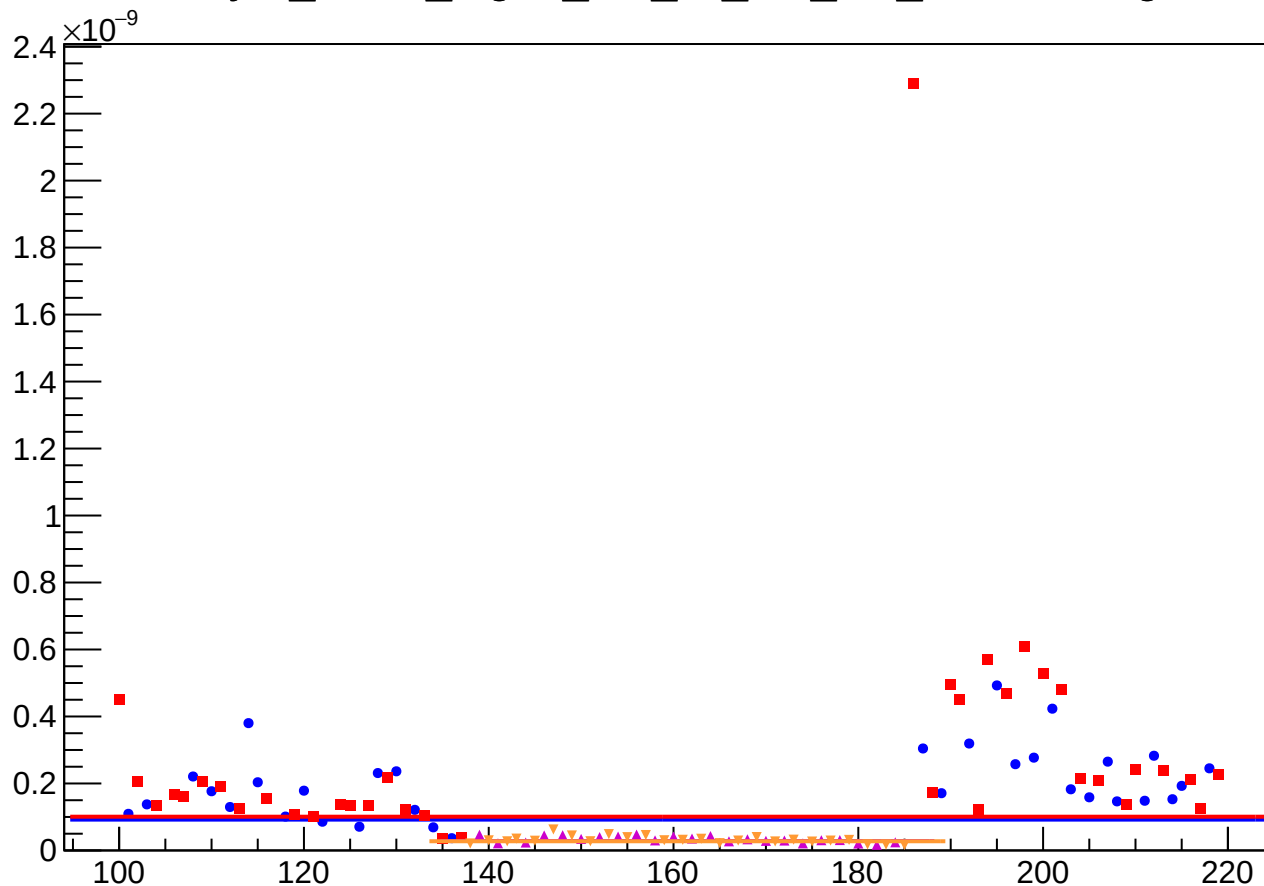
Left In: 0.000 ± 0.000 χ^2/NDF : 24.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 50.8/56

All: -0.000 ± 0.000 χ^2/NDF : 117.6/116

- sign -0.000 ± 0.000 χ^2/NDF : 66.7/59

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9762996.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2403081.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 11641702.8/36

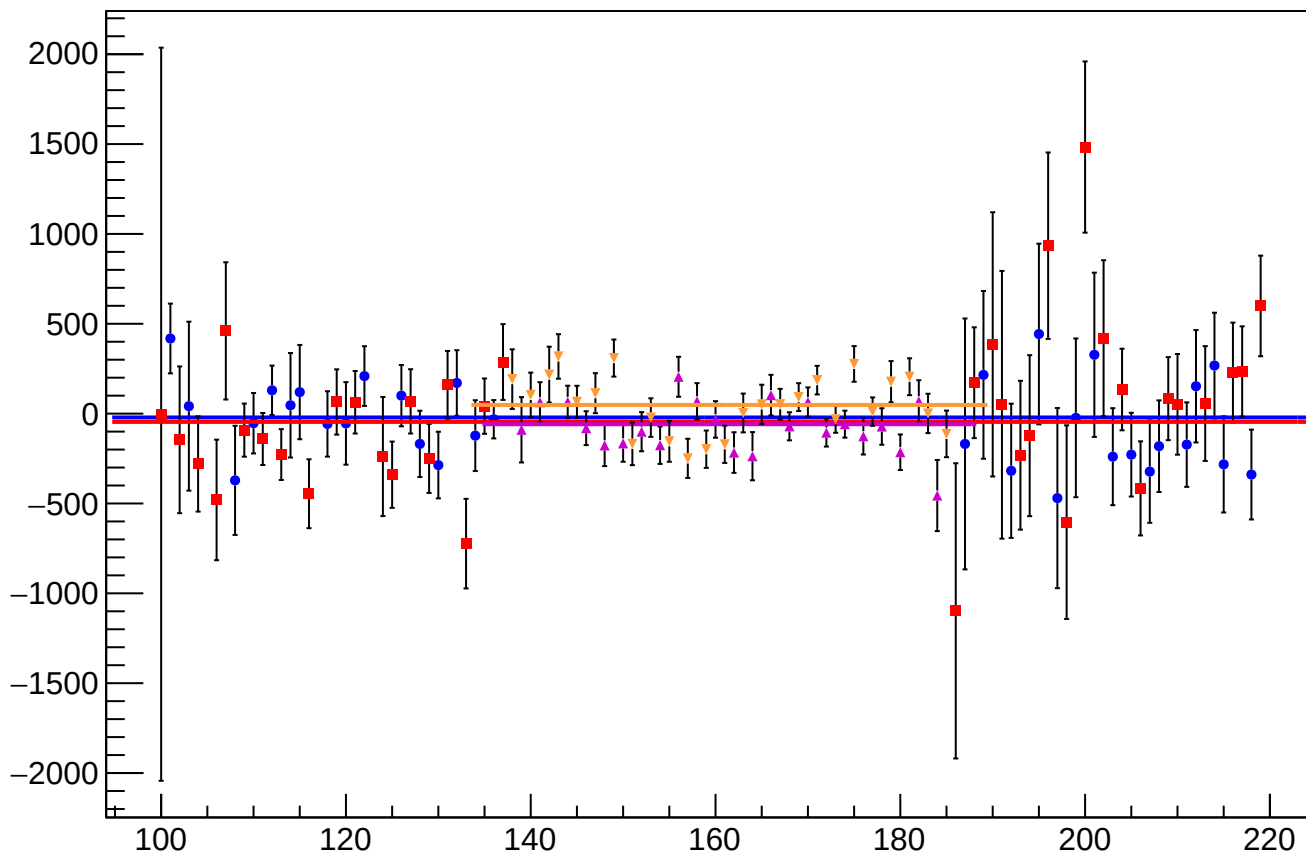
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2191521.5/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 19664424.9/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 41728753.0/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 22048139.7/59

reg_asym_sam3_mean vs Slug



Right In: -21.380 ± 39.526 $\chi^2/\text{NDF}: 25.0/31$

Left Out: 48.392 ± 20.423 $\chi^2/\text{NDF}: 53.6/24$

Right Out: -46.056 ± 39.641 $\chi^2/\text{NDF}: 56.9/36$

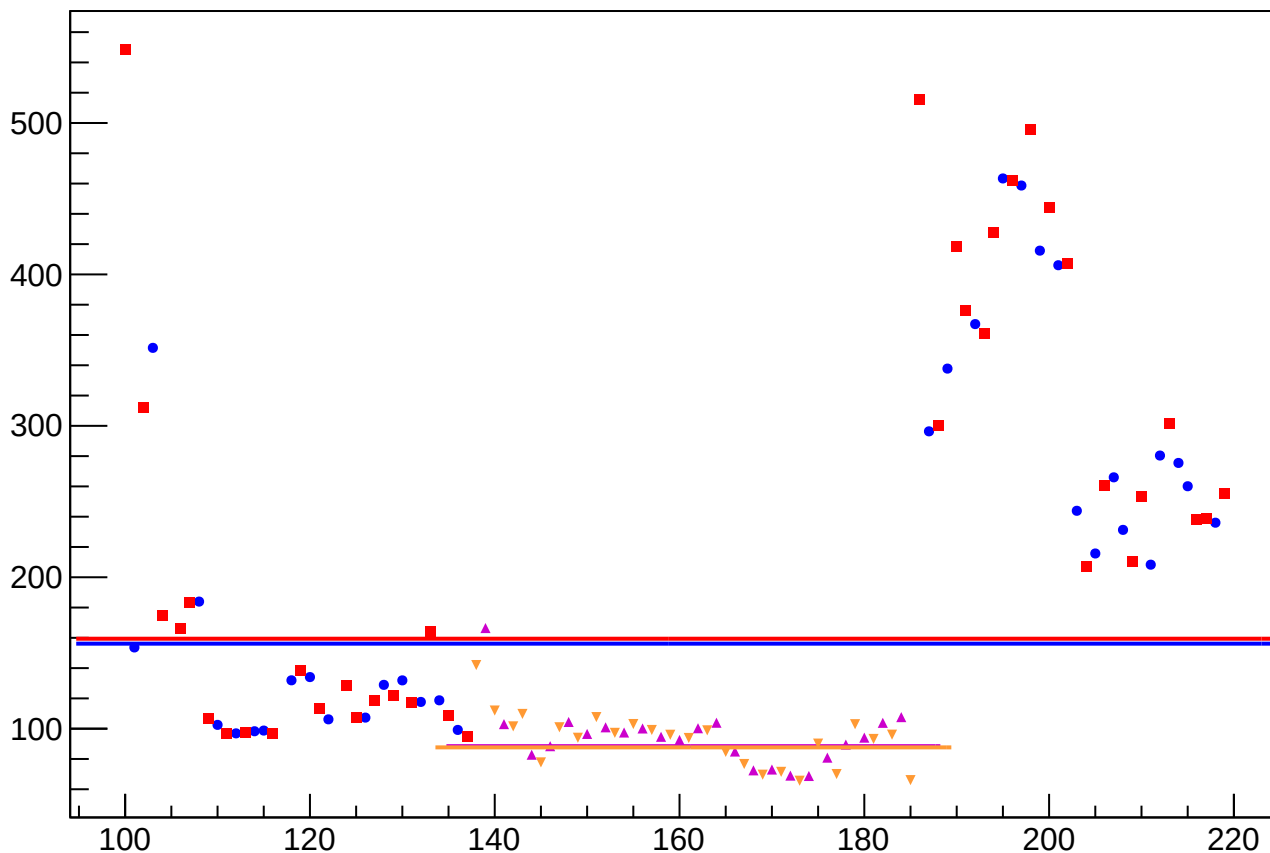
Left In: -59.014 ± 21.156 $\chi^2/\text{NDF}: 30.6/22$

+ sign 33.690 ± 18.144 $\chi^2/\text{NDF}: 81.0/56$

All: -9.956 ± 13.010 $\chi^2/\text{NDF}: 180.5/116$

- sign -56.141 ± 18.664 $\chi^2/\text{NDF}: 87.6/59$

reg_asym_sam3_rms vs Slug



Right In: 156.156 $\pm$ 0.028 χ^2 /NDF: 8170540.0/31

Left Out: 87.656 $\pm$ 0.014 χ^2 /NDF:1213284.3/24

Right Out: 159.413 $\pm$ 0.028 χ^2 /NDF: 9546321.5/36

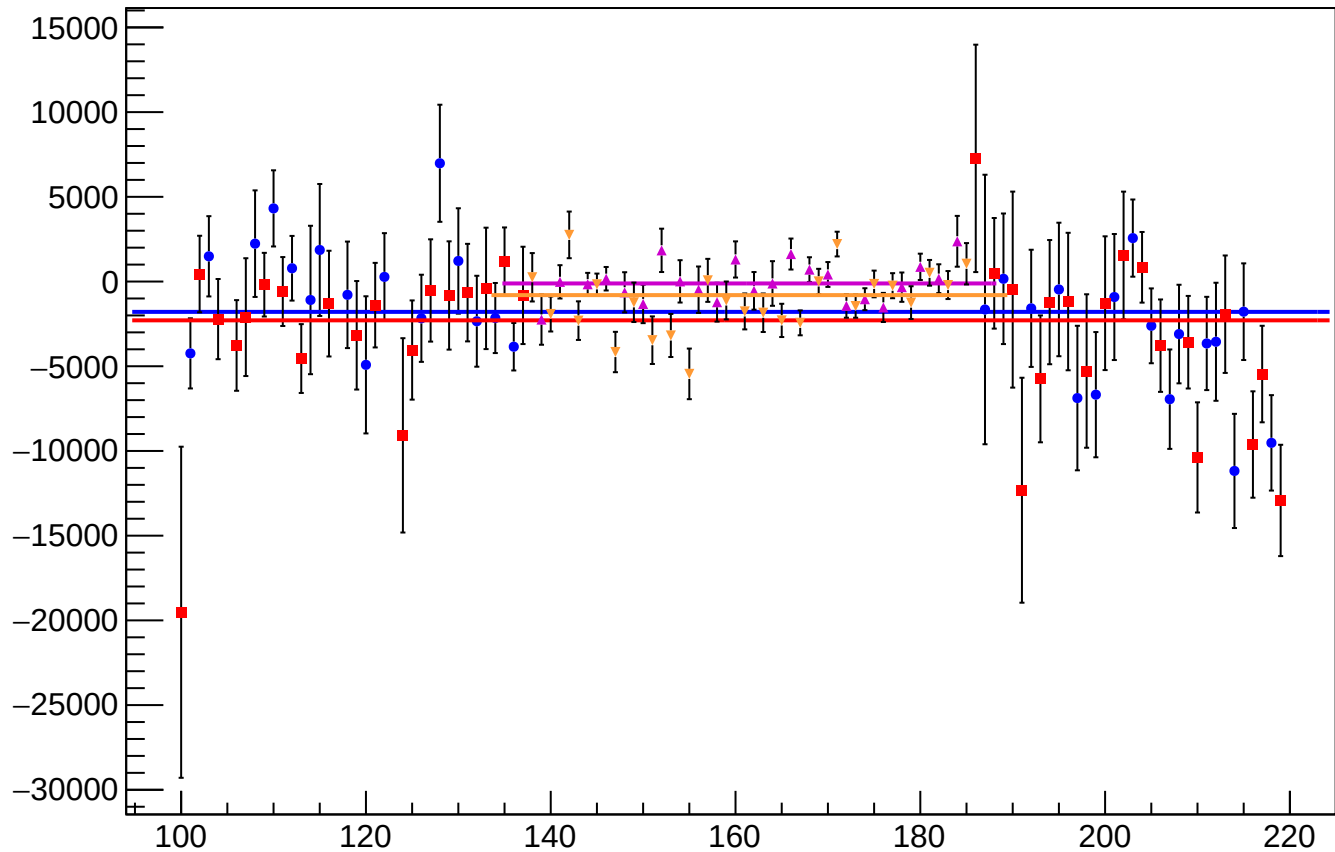
Left In: 88.482 $\pm$ 0.015 χ^2 /NDF:1075689.1/22

+ sign 102.090 $\pm$ 0.013 χ^2 /NDF: 14124897.5/56

All: 103.119 $\pm$ 0.009 χ^2 /NDF: 29744067.4/1

- sign 104.207 $\pm$ 0.013 χ^2 /NDF: 15605943.2/59

asym_sam3_reg_correction_mean vs Slug



Right In: -1790.407 ± 485.055 χ^2/NDF : 52.7/31

Left Out: -801.506 ± 187.755 χ^2/NDF : 71.9/24

Right Out: -2290.275 ± 487.243 χ^2/NDF : 48.4/36

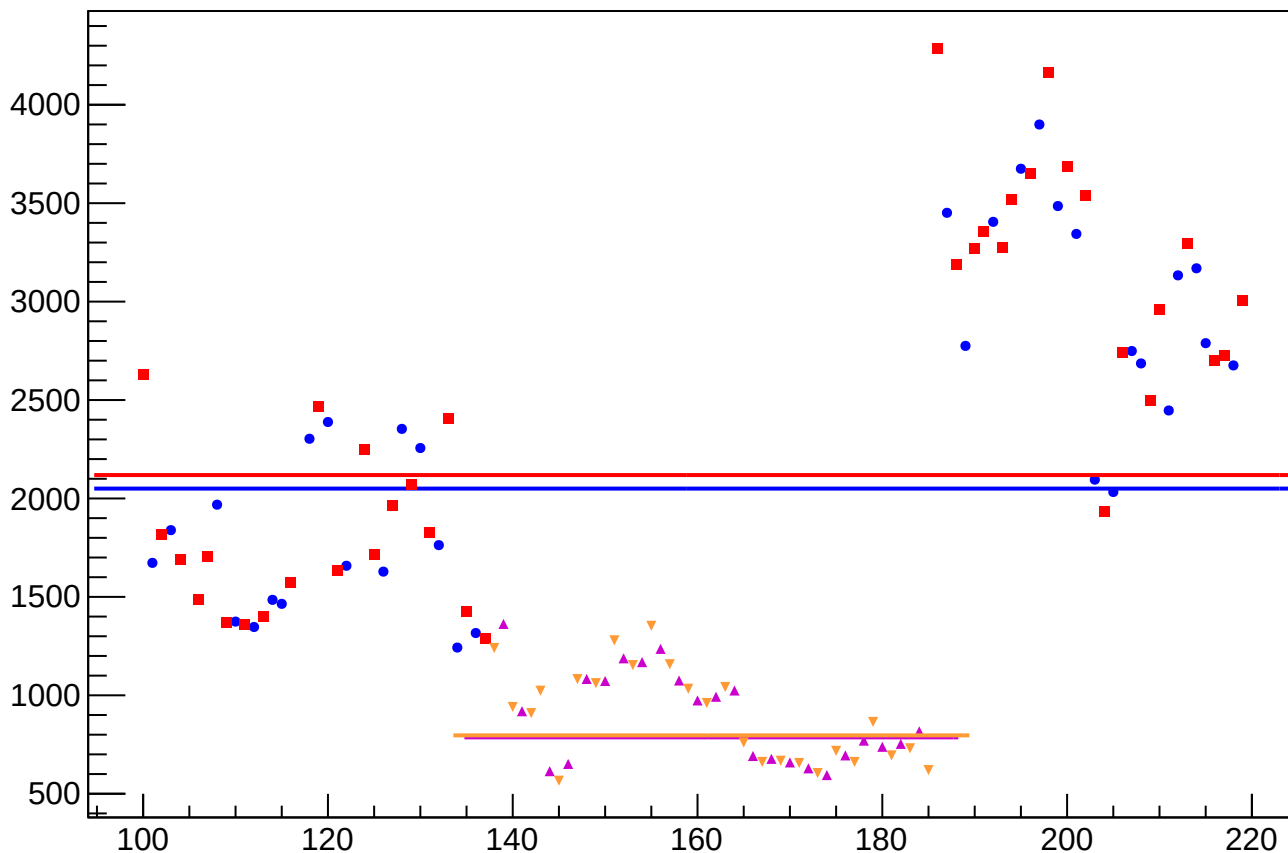
Left In: -112.483 ± 190.269 χ^2/NDF : 27.1/22

+ sign -930.367 ± 175.095 χ^2/NDF : 128.2/56

All: -668.719 ± 124.561 χ^2/NDF : 225.6/116

- sign -400.638 ± 177.235 χ^2/NDF : 92.8/59

asym_sam3_reg_correction_rms vs Slug



Right In: 2050.161 ± 0.343 $\chi^2/\text{NDF}: 4239217.9/31$

Left Out: 796.524 ± 0.133 $\chi^2/\text{NDF}: 2417872.0/24$

Right Out: 2118.906 ± 0.345 $\chi^2/\text{NDF}: 4918095.6/36$

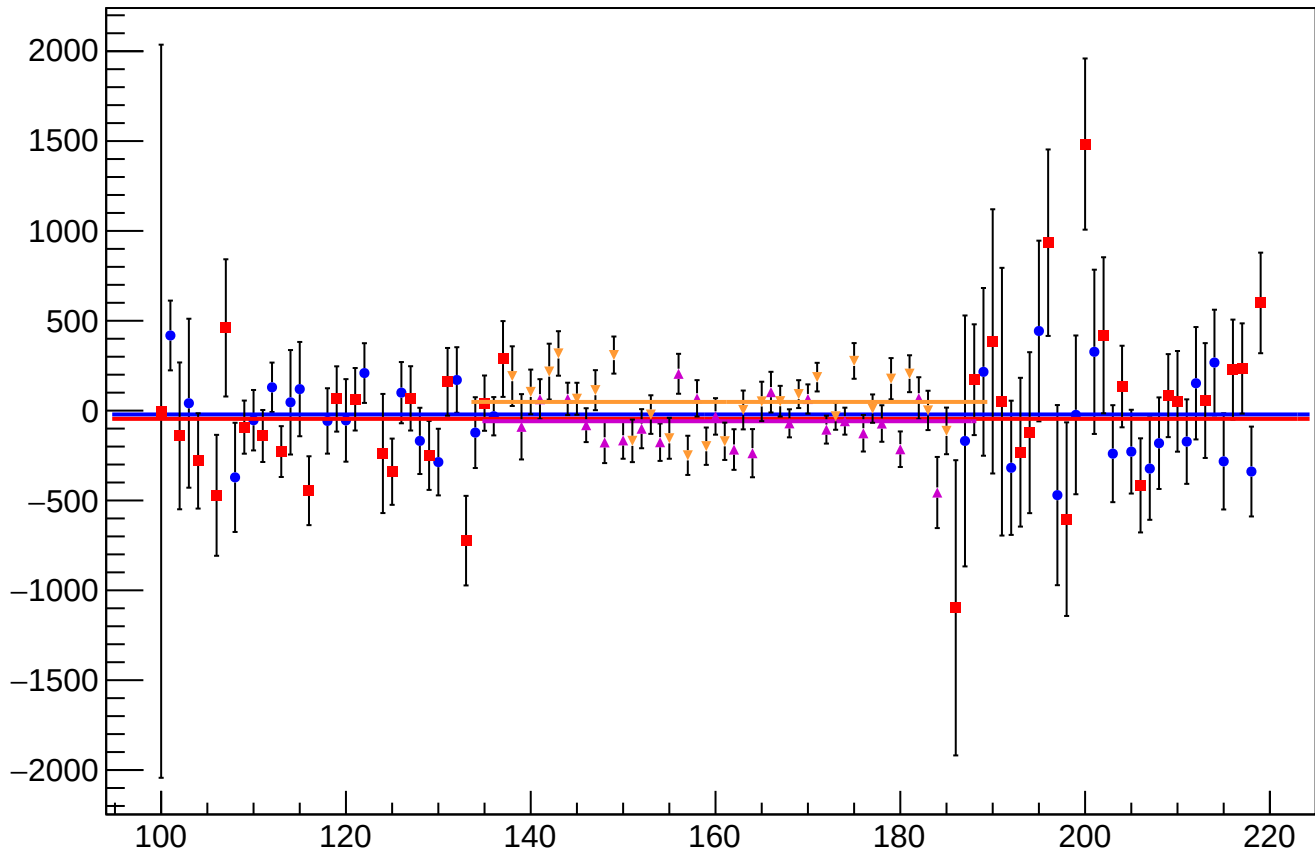
Left In: 786.336 ± 0.135 $\chi^2/\text{NDF}: 2156583.9/22$

+ sign 959.881 ± 0.124 $\chi^2/\text{NDF}: 18275789.2/56$

All: 961.251 ± 0.088 $\chi^2/\text{NDF}: 38330914.4/1$

- sign 962.655 ± 0.125 $\chi^2/\text{NDF}: 20054877.3/59$

cor_asym_sam3_mean vs Slug



Right In: -21.393 ± 39.526 $\chi^2/\text{NDF}: 25.0/31$

Left Out: 48.399 ± 20.423 $\chi^2/\text{NDF}: 53.6/24$

Right Out: -45.841 ± 39.643 $\chi^2/\text{NDF}: 56.8/36$

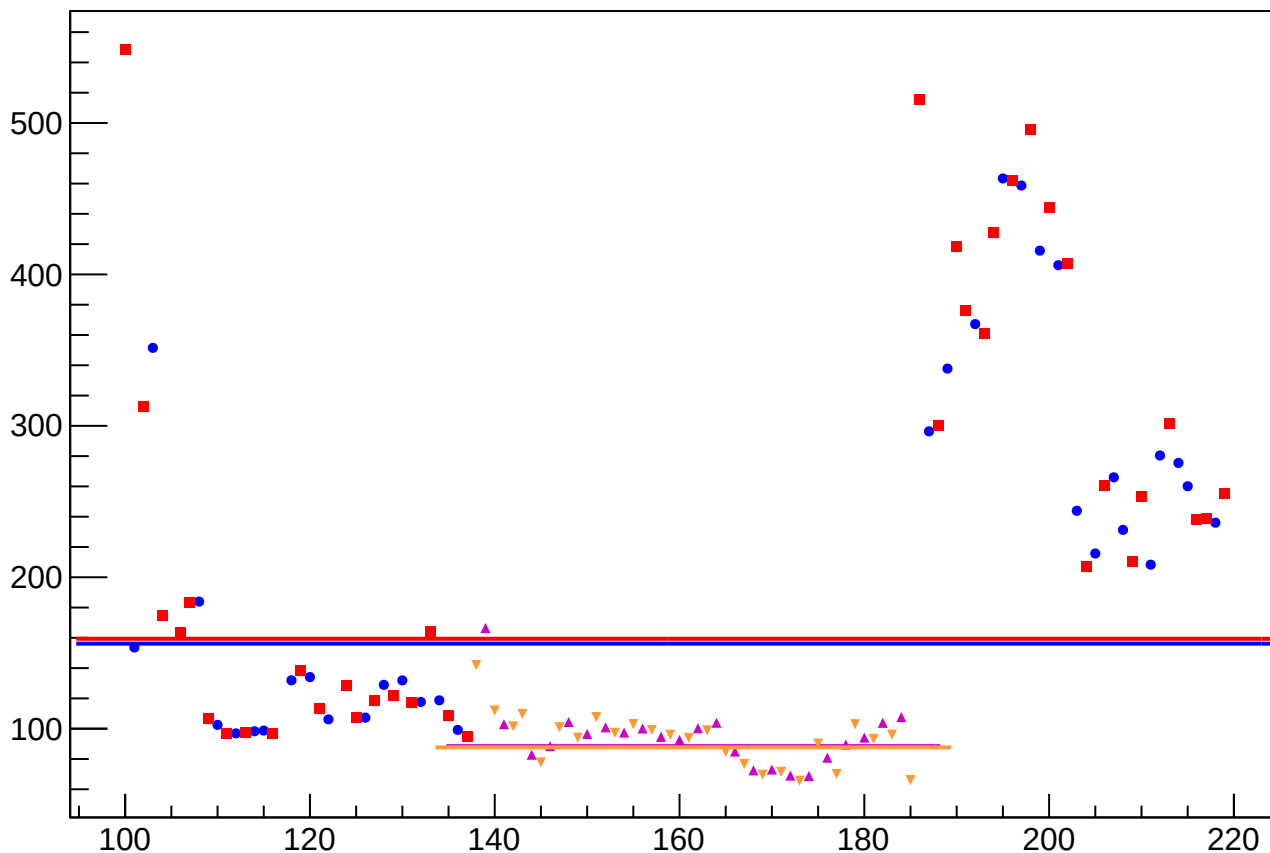
Left In: -59.016 ± 21.156 $\chi^2/\text{NDF}: 30.6/22$

+ sign 33.693 ± 18.144 $\chi^2/\text{NDF}: 81.0/56$

All: -9.932 ± 13.010 $\chi^2/\text{NDF}: 180.4/116$

- sign -56.096 ± 18.664 $\chi^2/\text{NDF}: 87.5/59$

cor_asym_sam3_rms vs Slug



Right In: 156.156 $\pm$ 0.028 χ^2 /NDF: 8170542.5/31

Left Out: 87.656 $\pm$ 0.014 χ^2 /NDF:1213284.3/24

Right Out: 159.379 $\pm$ 0.028 χ^2 /NDF: 9545994.2/36

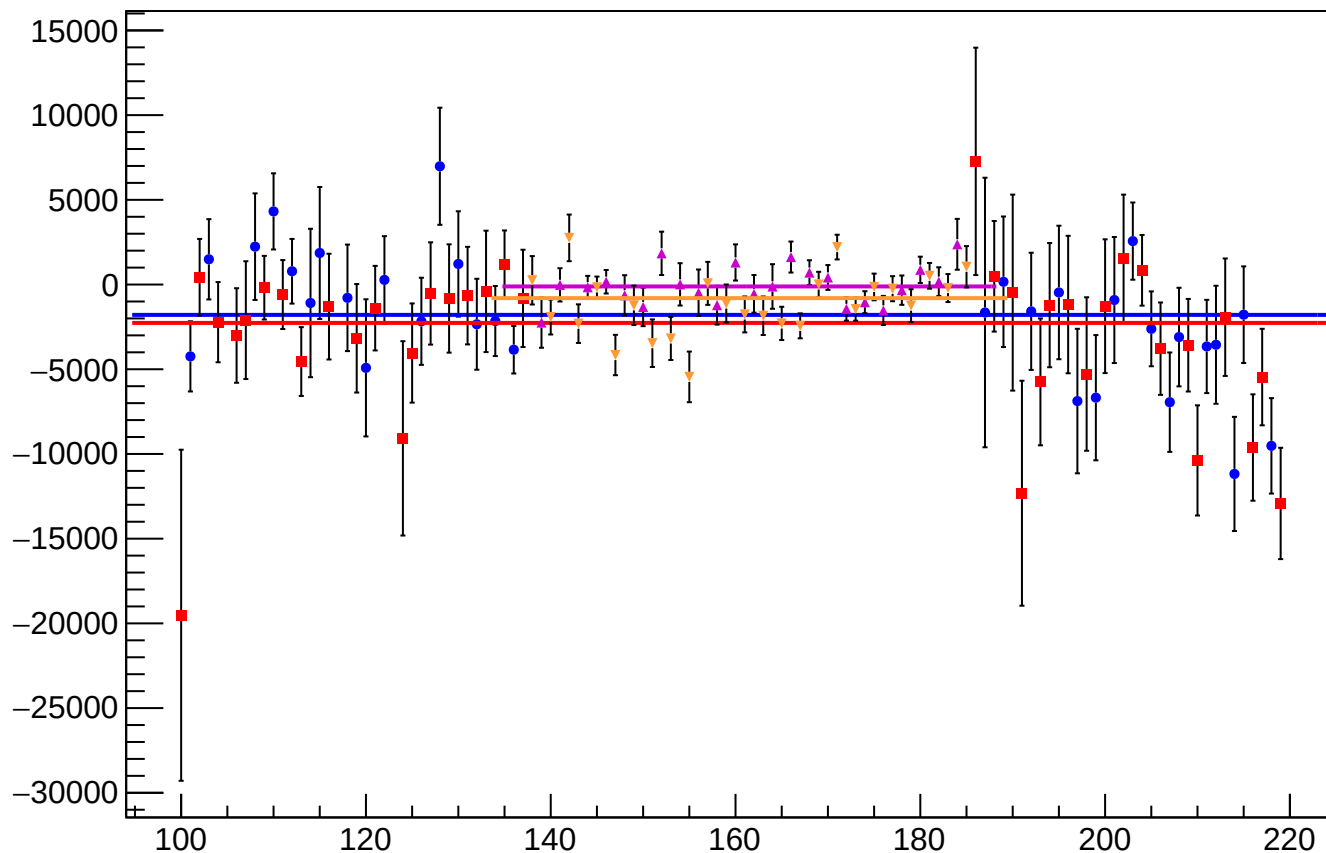
Left In: 88.482 $\pm$ 0.015 χ^2 /NDF:1075689.1/22

+ sign 102.090 $\pm$ 0.013 χ^2 /NDF: 14124899.1/56

All: 103.114 $\pm$ 0.009 χ^2 /NDF: 29738375.7/1

- sign 104.198 $\pm$ 0.013 χ^2 /NDF: 15600361.0/59

asym_sam3_cor_correction_mean vs Slug



Right In: -1790.405 ± 485.057 χ^2/NDF : 52.7/31

Left Out: -801.499 ± 187.755 χ^2/NDF : 71.9/24

Right Out: -2263.820 ± 487.918 χ^2/NDF : 48.1/36

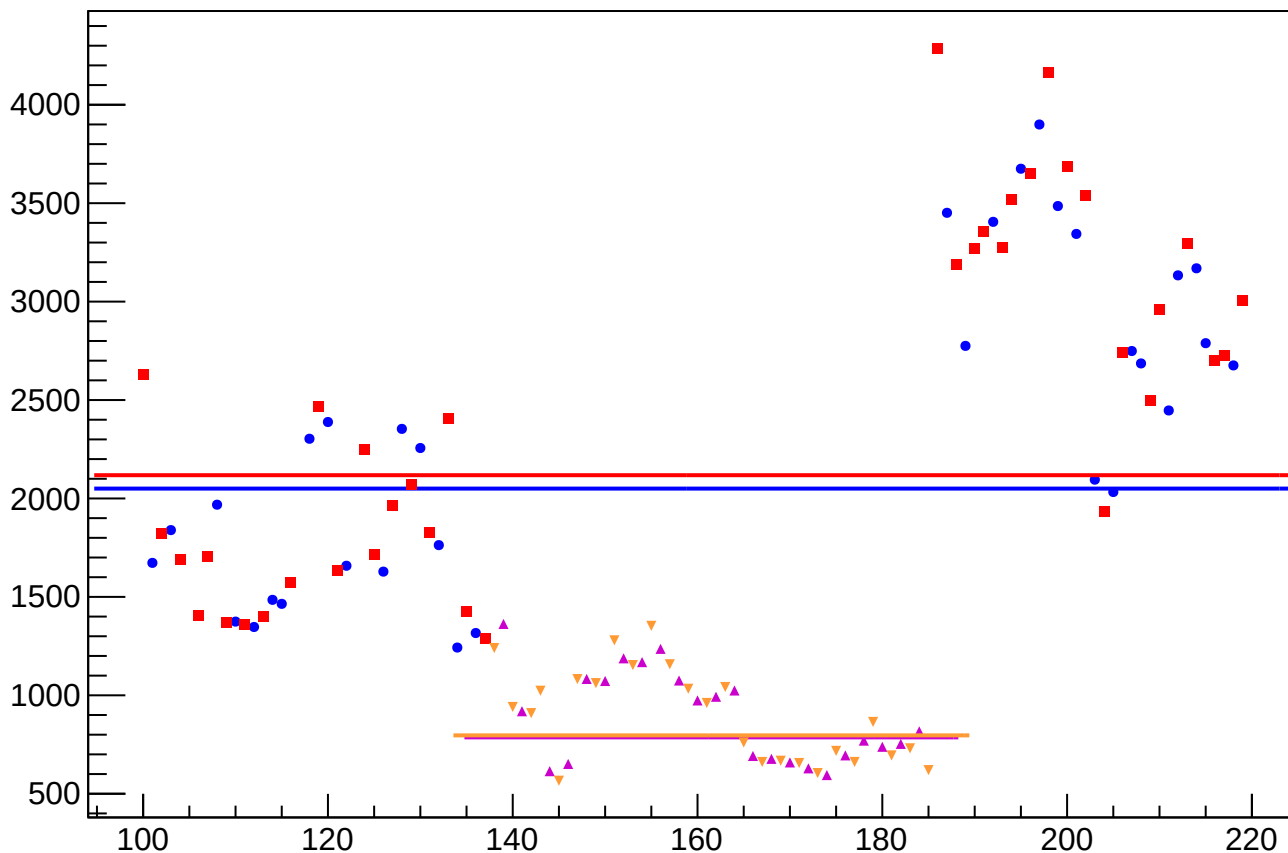
Left In: -112.485 ± 190.269 χ^2/NDF : 27.1/22

+ sign -930.359 ± 175.096 χ^2/NDF : 128.2/56

All: -666.699 ± 124.572 χ^2/NDF : 224.9/116

- sign -396.456 ± 177.268 χ^2/NDF : 92.1/59

asym_sam3_cor_correction_rms vs Slug



Right In: 2050.171 $\pm$ 0.343 χ^2/NDF : 4239190.3/31

Left Out: 796.523 $\pm$ 0.133 χ^2/NDF : 2417869.7/24

Right Out: 2118.221 $\pm$ 0.345 χ^2/NDF : 4936650.7/36

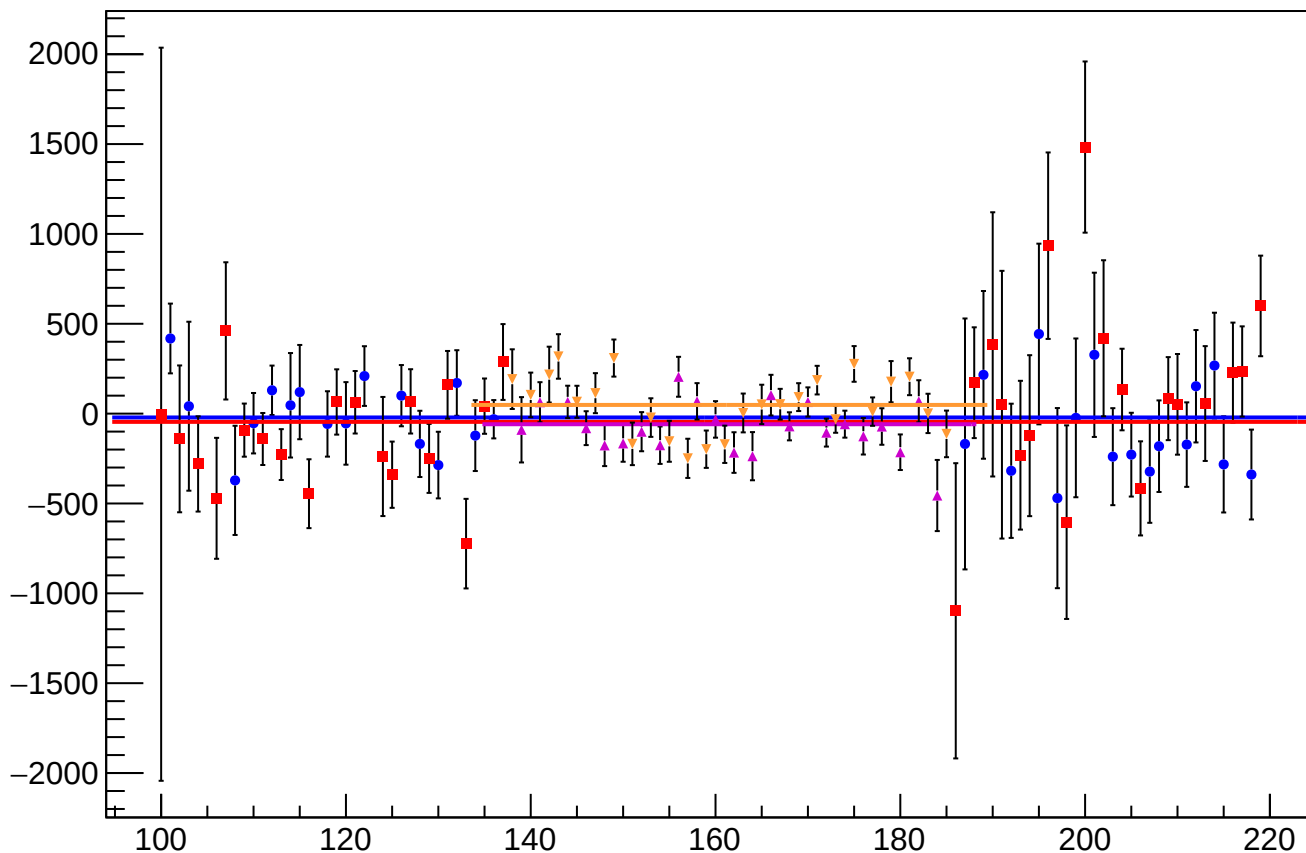
Left In: 786.336 $\pm$ 0.135 χ^2/NDF : 2156582.1/22

+ sign 959.881 $\pm$ 0.124 χ^2/NDF : 18275850.3/56

All: 960.997 $\pm$ 0.088 χ^2/NDF : 38304987.7/11

- sign 962.141 $\pm$ 0.125 χ^2/NDF : 20028972.8/59

eigen_cor_asym_sam3_mean vs Slug



Right In: -21.393 ± 39.526 χ^2/NDF : 25.0/31

Left Out: 48.399 ± 20.423 χ^2/NDF : 53.6/24

Right Out: -45.841 ± 39.643 χ^2/NDF : 56.8/36

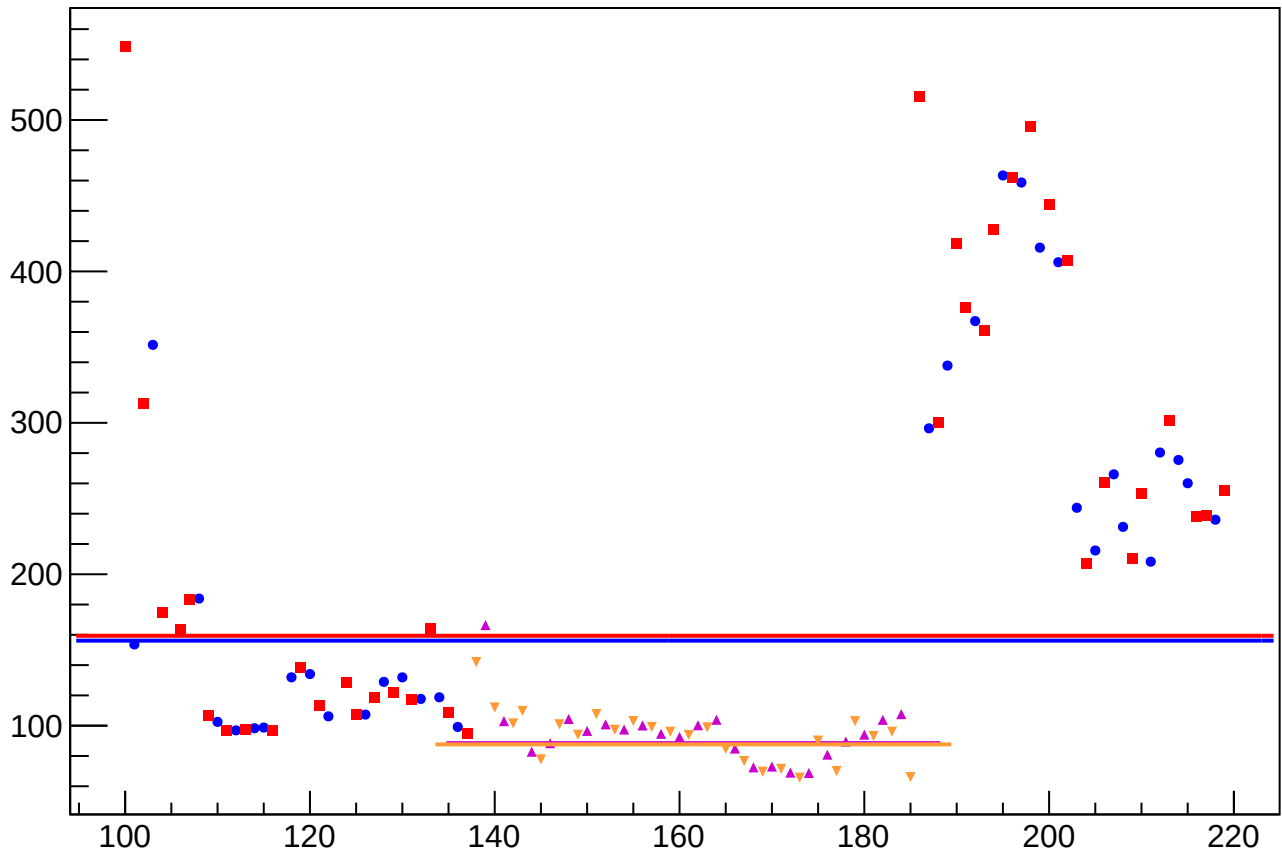
Left In: -59.016 ± 21.156 χ^2/NDF : 30.6/22

+ sign 33.693 ± 18.144 χ^2/NDF : 81.0/56

All: -9.932 ± 13.010 χ^2/NDF : 180.4/116

- sign -56.096 ± 18.664 χ^2/NDF : 87.5/59

eigen_cor_asym_sam3_rms vs Slug



Right In: 156.156 $\pm$ 0.028 χ^2 /NDF: 8170542.5/31

Left Out: 87.656 $\pm$ 0.014 χ^2 /NDF:1213284.3/24

Right Out: 159.379 $\pm$ 0.028 χ^2 /NDF: 9545994.2/36

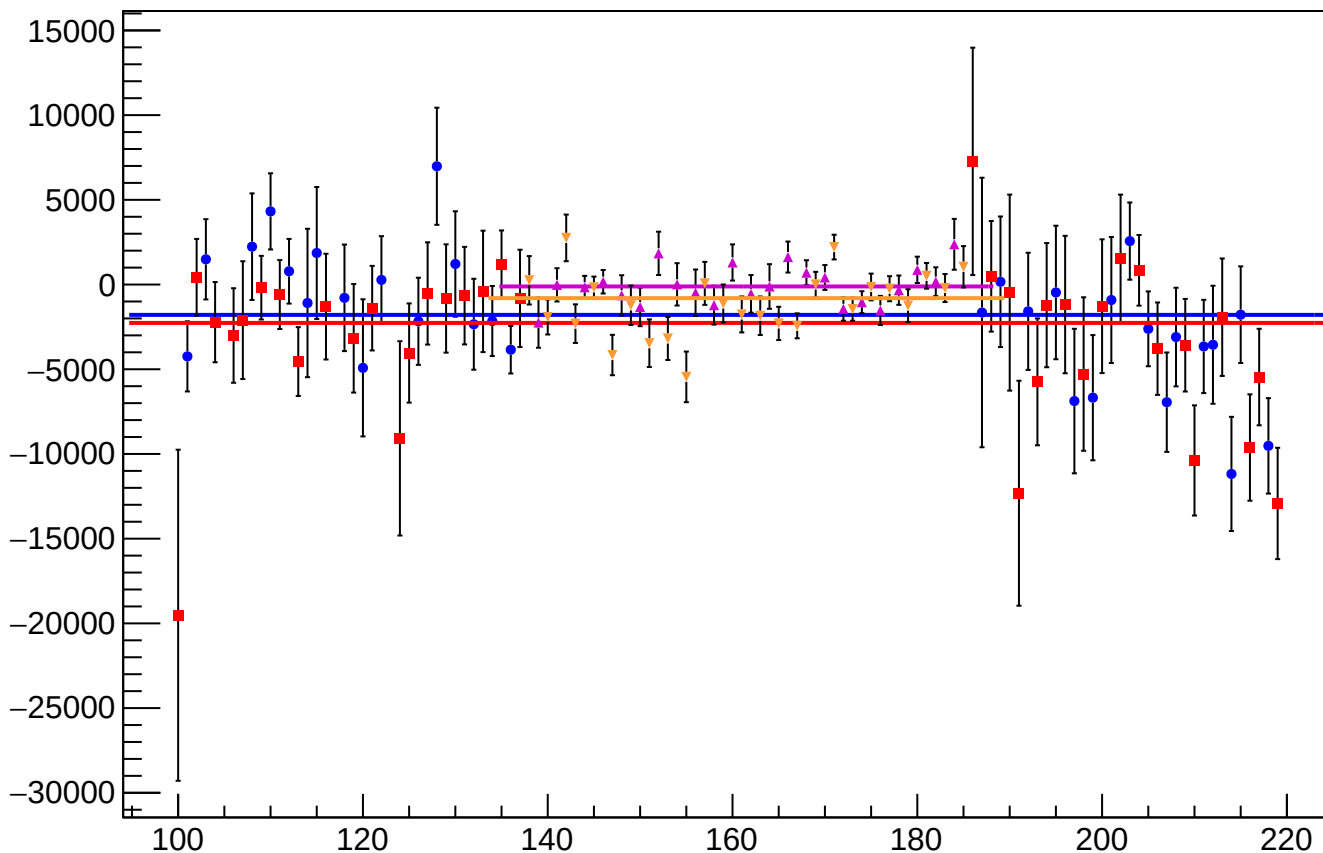
Left In: 88.482 $\pm$ 0.015 χ^2 /NDF:1075689.1/22

+ sign 102.090 $\pm$ 0.013 χ^2 /NDF: 14124899.1/56

All: 103.114 $\pm$ 0.009 χ^2 /NDF: 29738375.7/1

- sign 104.198 $\pm$ 0.013 χ^2 /NDF: 15600361.0/59

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -1790.405 ± 485.057 χ^2/NDF : 52.7/31

Left Out: -801.499 ± 187.755 χ^2/NDF : 71.9/24

Right Out: -2263.820 ± 487.918 χ^2/NDF : 48.1/36

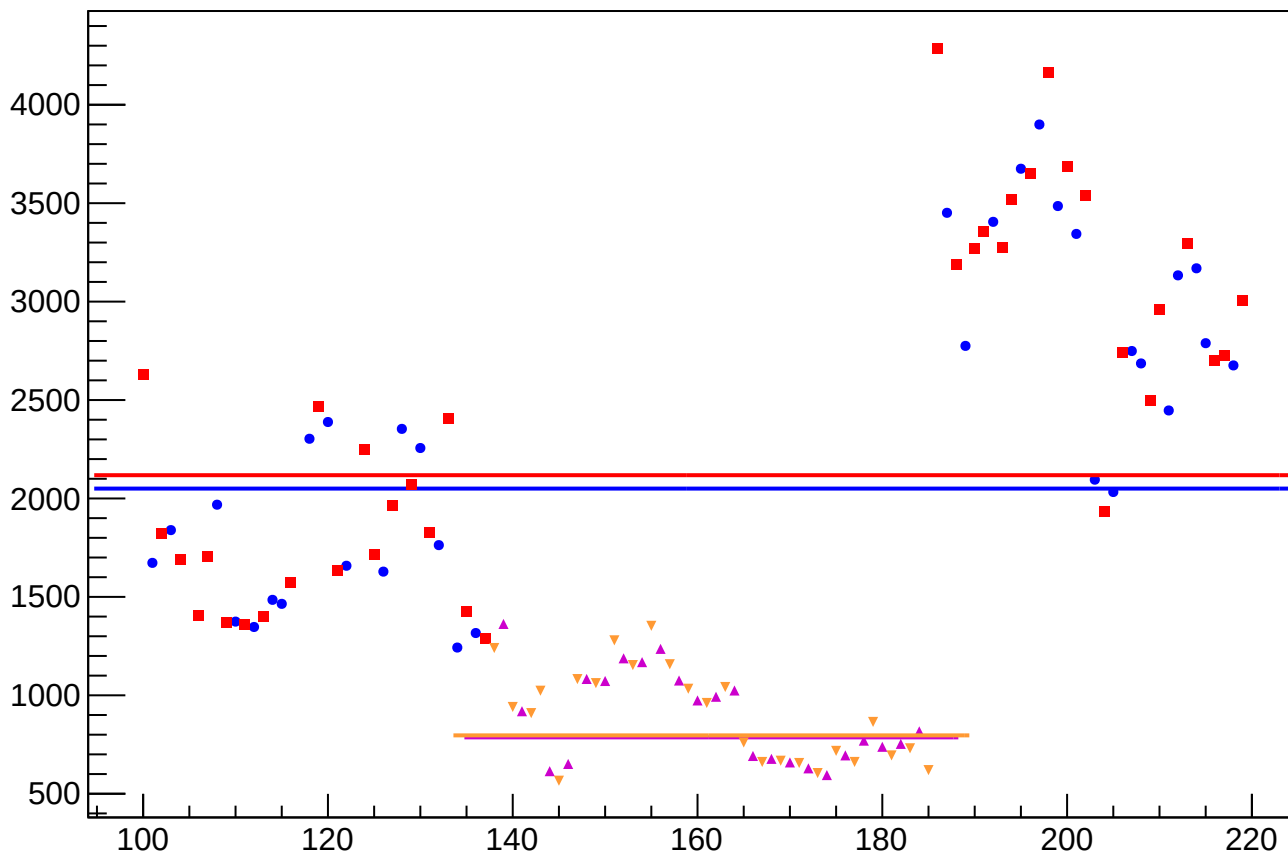
Left In: -112.485 ± 190.269 χ^2/NDF : 27.1/22

+ sign -930.359 ± 175.096 χ^2/NDF : 128.2/56

All: -666.699 ± 124.572 χ^2/NDF : 224.9/116

- sign -396.456 ± 177.268 χ^2/NDF : 92.1/59

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 2050.171 $\pm$ 0.343 χ^2 /NDF: 4239190.3/31

Left Out: 796.523 $\pm$ 0.133 χ^2 /NDF: 2417869.7/24

Right Out: 2118.221 $\pm$ 0.345 χ^2 /NDF: 4936650.7/36

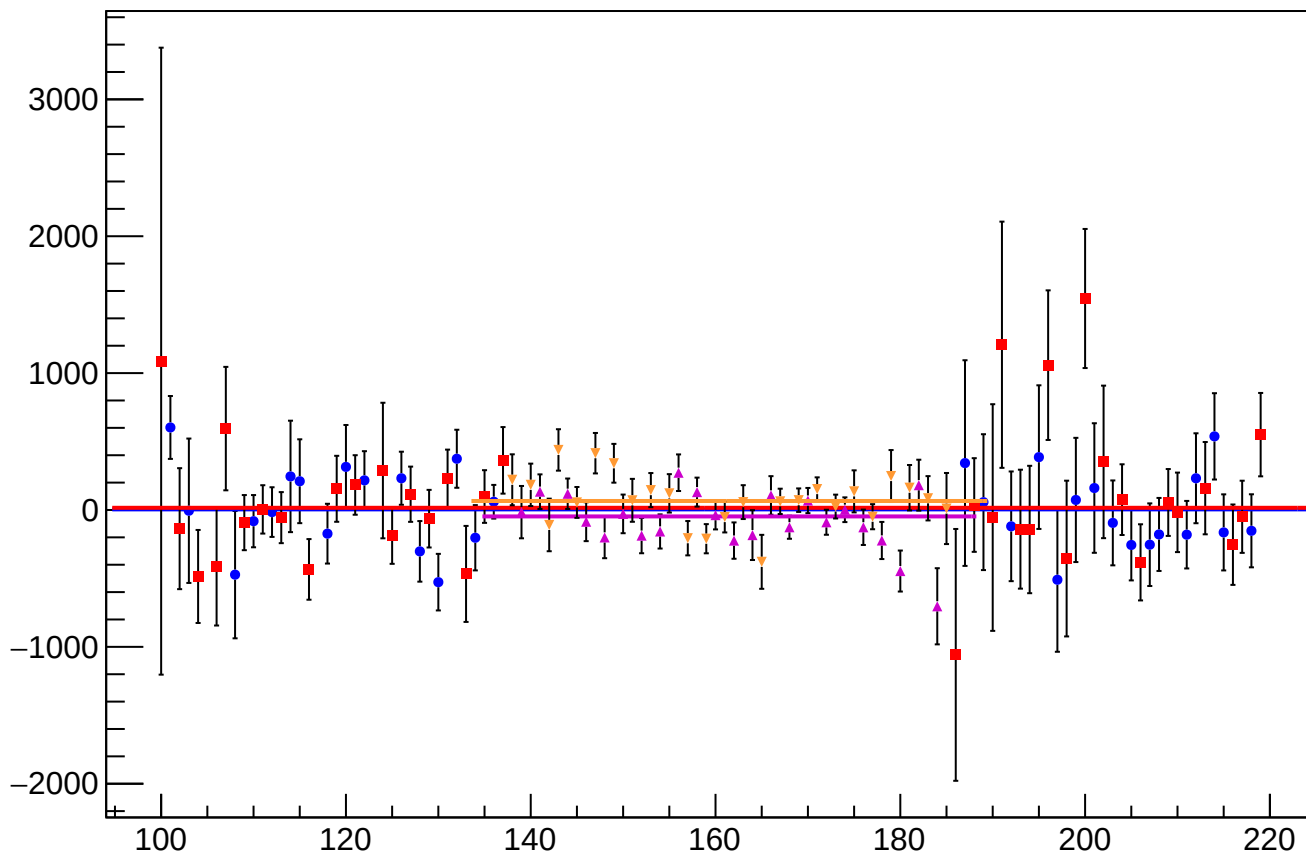
Left In: 786.336 $\pm$ 0.135 χ^2 /NDF: 2156582.1/22

+ sign 959.881 $\pm$ 0.124 χ^2 /NDF: 18275850.3/56

All: 960.997 $\pm$ 0.088 χ^2 /NDF: 38304987.7/11

- sign 962.141 $\pm$ 0.125 χ^2 /NDF: 20028972.8/59

dit_asym_sam3_mean vs Slug



Right In: 4.386 ± 45.960 χ^2/NDF : 34.3/31

Left Out: 65.702 ± 25.059 χ^2/NDF : 40.0/24

Right Out: 15.945 ± 46.840 χ^2/NDF : 40.6/36

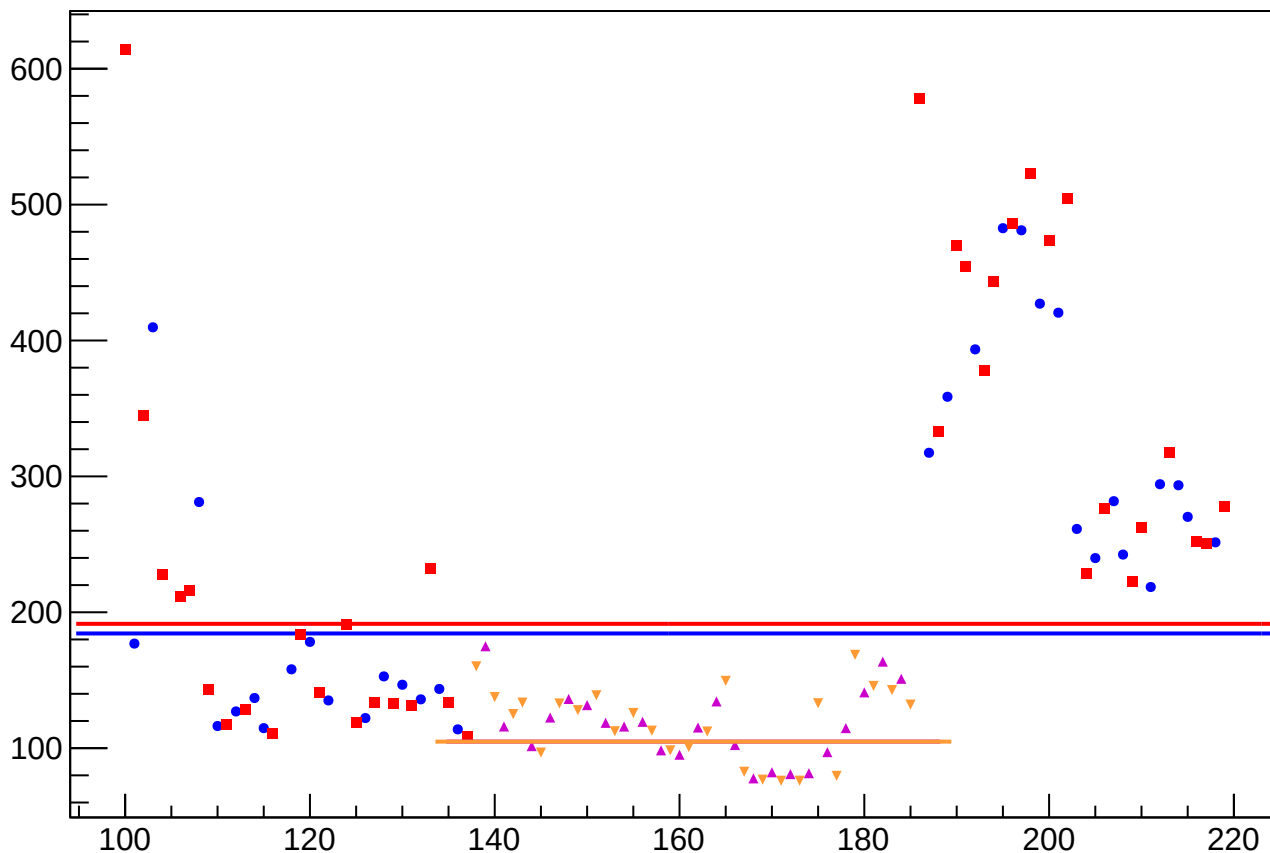
Left In: -47.039 ± 25.696 χ^2/NDF : 38.6/22

+ sign 51.651 ± 22.001 χ^2/NDF : 75.7/56

All: 10.587 ± 15.740 χ^2/NDF : 163.5/116

- sign -32.468 ± 22.529 χ^2/NDF : 80.6/59

dit_asym_sam3_rms vs Slug



Right In: 184.407 $\pm$ 0.032 χ^2 /NDF: 6851764.9/31

Left Out: 104.810 $\pm$ 0.018 χ^2 /NDF: 2242795.3/24

Right Out: 191.501 $\pm$ 0.033 χ^2 /NDF: 8141502.5/36

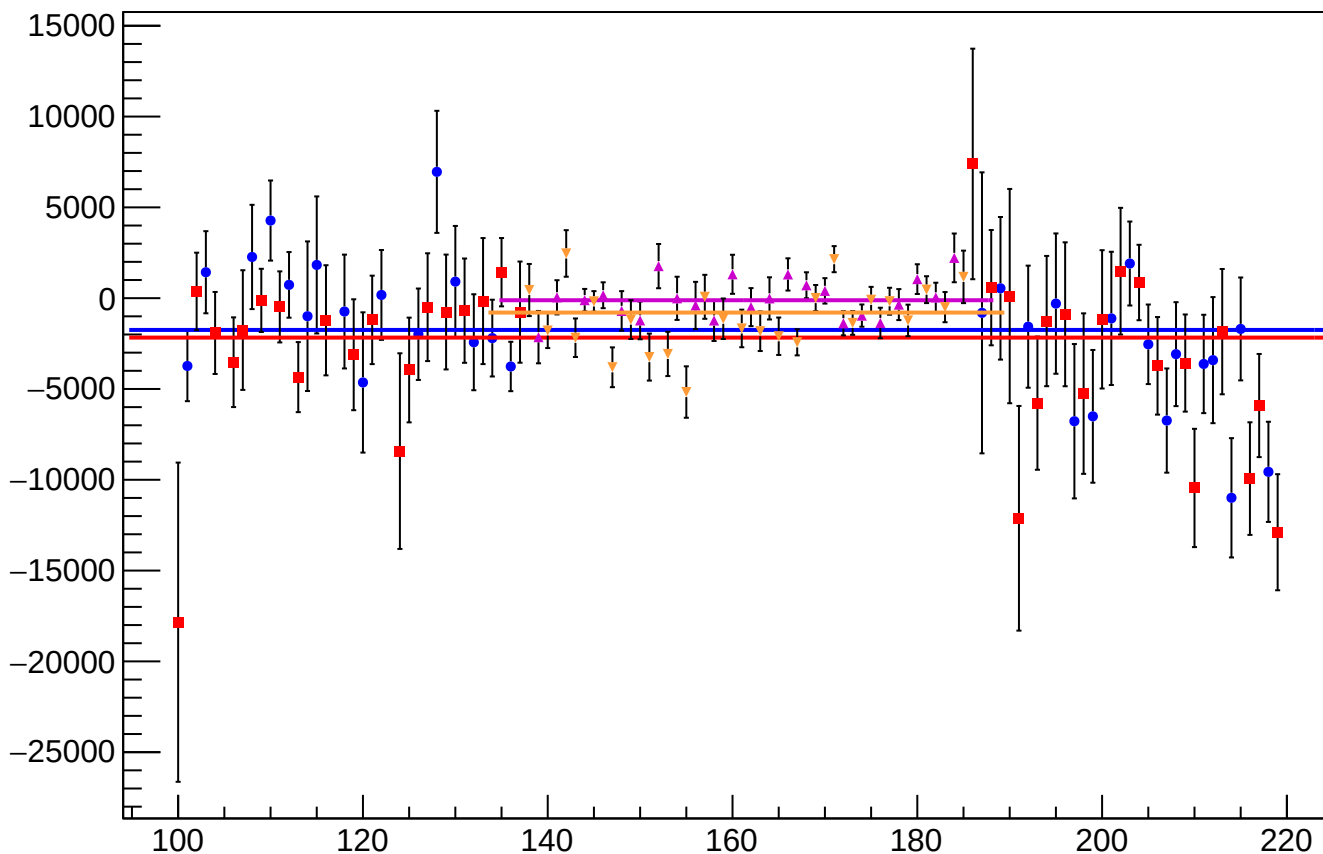
Left In: 104.835 $\pm$ 0.018 χ^2 /NDF: 1614476.5/22

+ sign 123.050 $\pm$ 0.016 χ^2 /NDF: 13718650.9/56

All: 123.945 $\pm$ 0.011 χ^2 /NDF: 28744476.8/11

- sign 124.884 $\pm$ 0.016 χ^2 /NDF: 15019047.7/59

asym_sam3_dit_correction_mean vs Slug



Right In: -1749.056 ± 473.208 χ^2/NDF : 52.5/31

Left Out: -793.070 ± 179.897 χ^2/NDF : 70.0/24

Right Out: -2171.305 ± 470.088 χ^2/NDF : 52.5/36

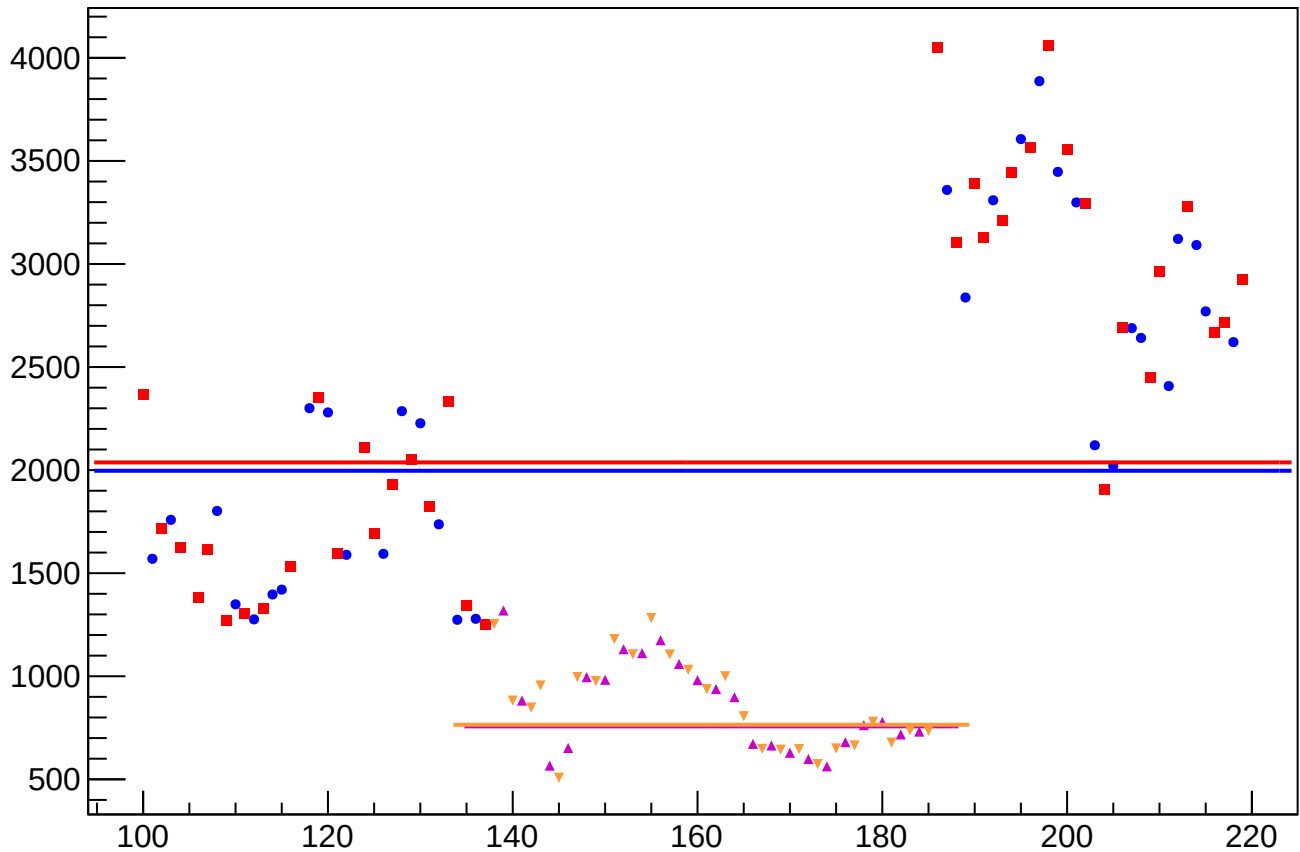
Left In: -113.680 ± 183.126 χ^2/NDF : 26.3/22

+ sign -913.787 ± 168.155 χ^2/NDF : 126.1/56

All: -653.161 ± 119.771 χ^2/NDF : 226.3/116

- sign -384.791 ± 170.635 χ^2/NDF : 95.4/59

asym_sam3_dit_correction_rms vs Slug



Right In: 1996.897 $\pm$ 0.335 χ^2 /NDF: 4402016.4/31

Left Out: 764.734 $\pm$ 0.127 χ^2 /NDF: 2425556.5/24

Right Out: 2037.484 $\pm$ 0.332 χ^2 /NDF: 5206312.4/36

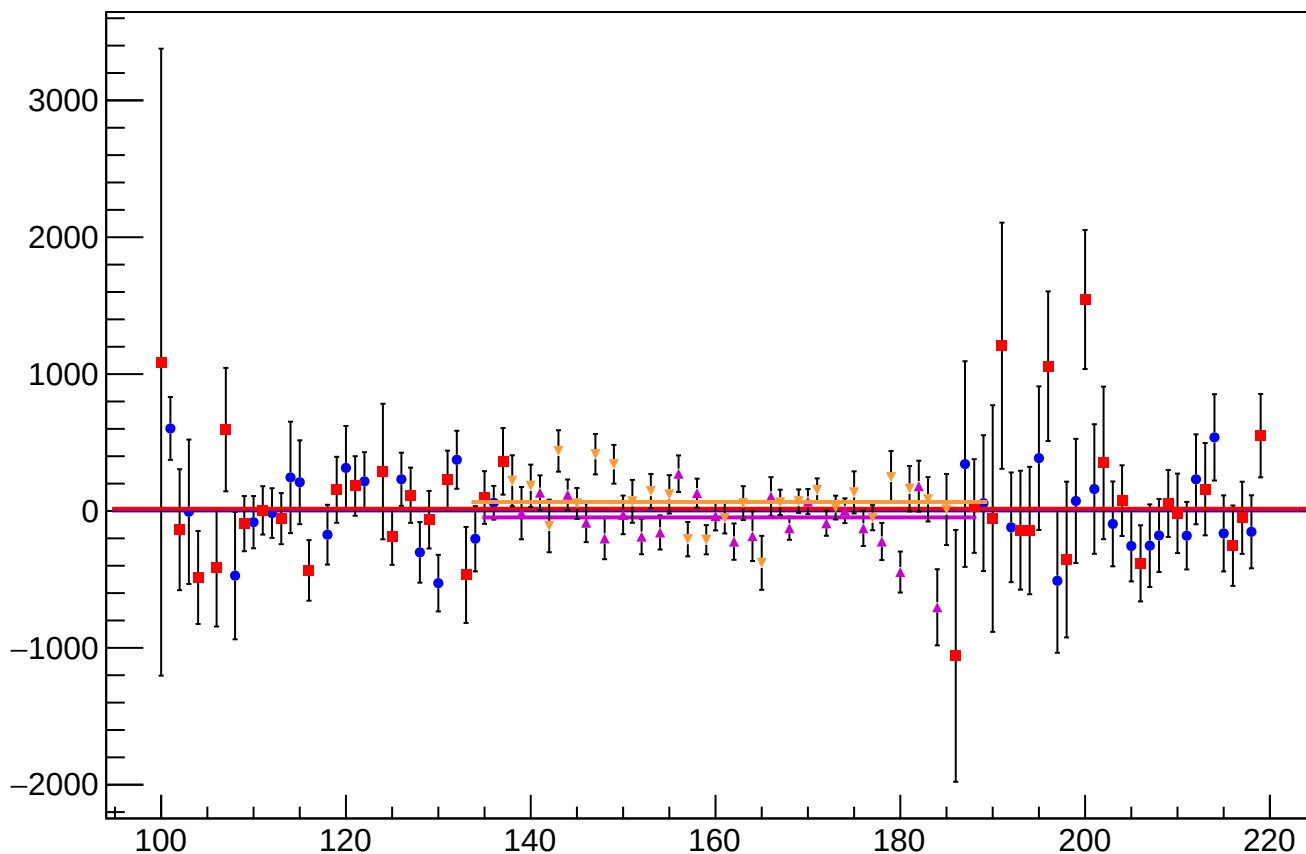
Left In: 756.927 $\pm$ 0.129 χ^2 /NDF: 2115280.1/22

+ sign 920.325 $\pm$ 0.119 χ^2 /NDF: 18675349.3/56

All: 922.949 $\pm$ 0.085 χ^2 /NDF: 38883692.6/1

- sign 925.652 $\pm$ 0.121 χ^2 /NDF: 20207354.7/59

eigen_dit_asym_sam3_mean vs Slug



Right In: 4.386 ± 45.960 $\chi^2/\text{NDF}: 34.3/31$

Left Out: 65.703 ± 25.059 $\chi^2/\text{NDF}: 40.0/24$

Right Out: 15.950 ± 46.840 $\chi^2/\text{NDF}: 40.6/36$

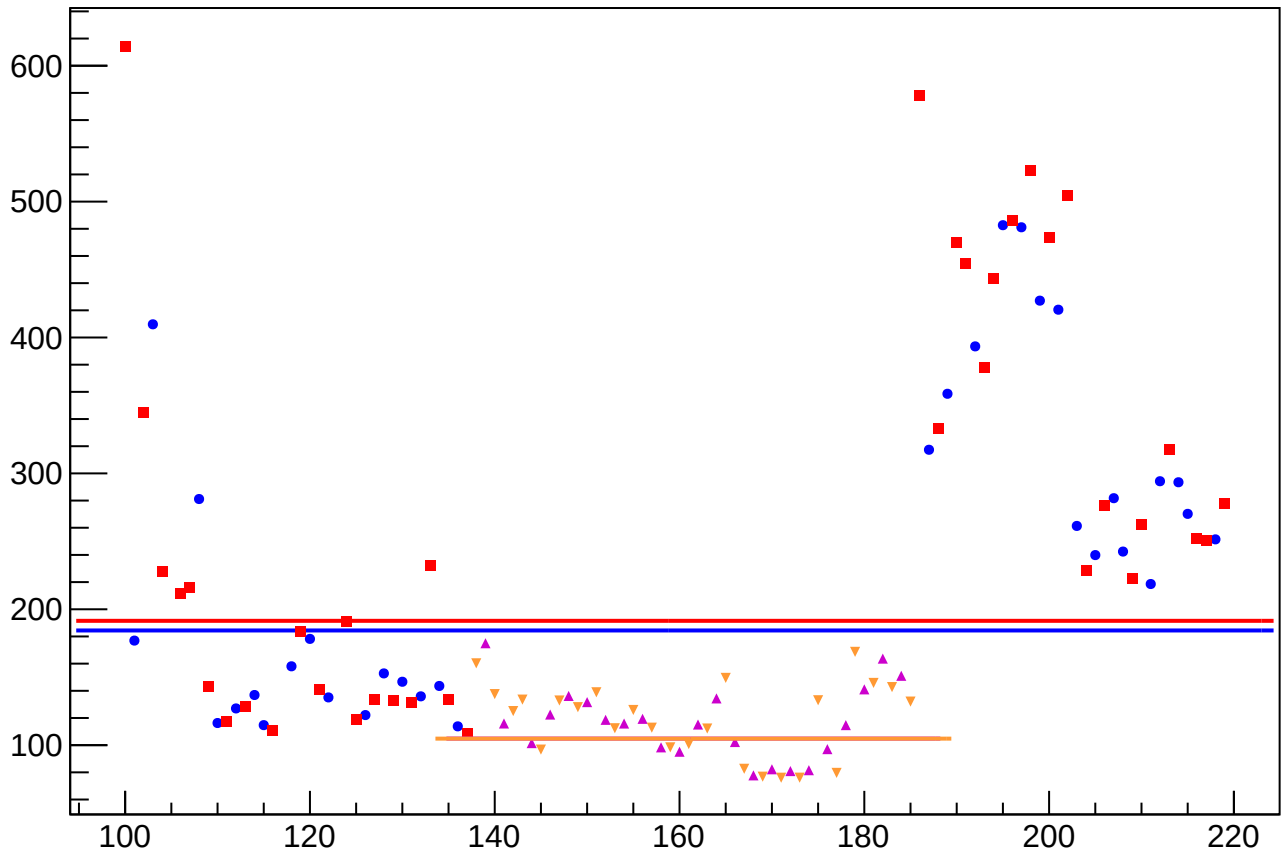
Left In: -47.038 ± 25.696 $\chi^2/\text{NDF}: 38.6/22$

+ sign 51.652 ± 22.001 $\chi^2/\text{NDF}: 75.7/56$

All: 10.588 ± 15.741 $\chi^2/\text{NDF}: 163.5/116$

- sign -32.467 ± 22.529 $\chi^2/\text{NDF}: 80.6/59$

eigen_dit_asym_sam3_rms vs Slug



Right In: 184.408 $\pm$ 0.032 χ^2/NDF : 6851750.1/31

Left Out: 104.810 $\pm$ 0.018 χ^2/NDF :2242815.0/24

Right Out: 191.502 $\pm$ 0.033 χ^2/NDF : 8141473.1/36

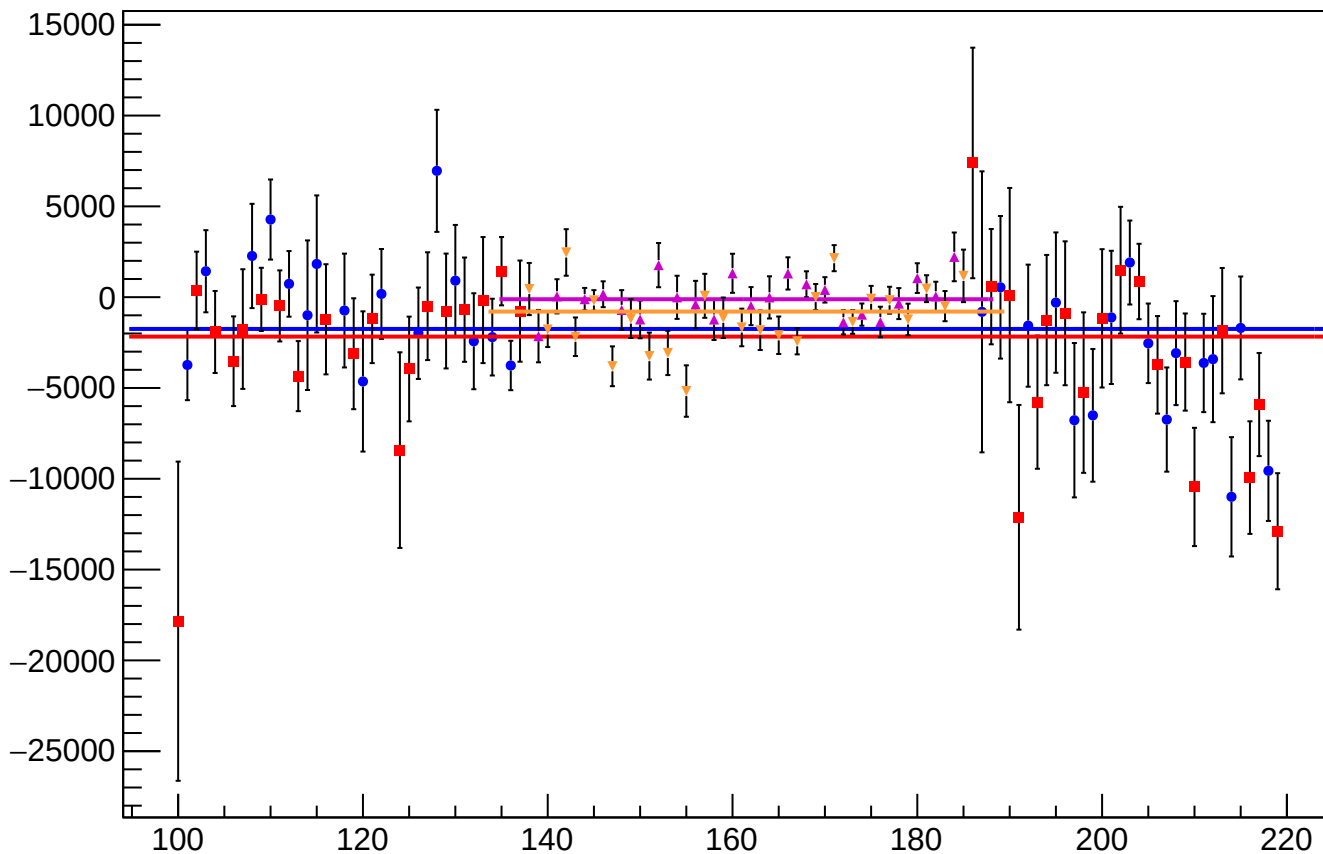
Left In: 104.835 $\pm$ 0.018 χ^2/NDF :1614484.2/22

+ sign 123.051 $\pm$ 0.016 χ^2/NDF : 13718636.6/56

All: 123.946 $\pm$ 0.011 χ^2/NDF : 28744442.5/11

- sign 124.884 $\pm$ 0.016 χ^2/NDF : 15019027.6/59

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -1749.052 ± 473.208 χ^2/NDF : 52.5/31

Left Out: -793.071 ± 179.896 χ^2/NDF : 70.0/24

Right Out: -2171.302 ± 470.087 χ^2/NDF : 52.5/36

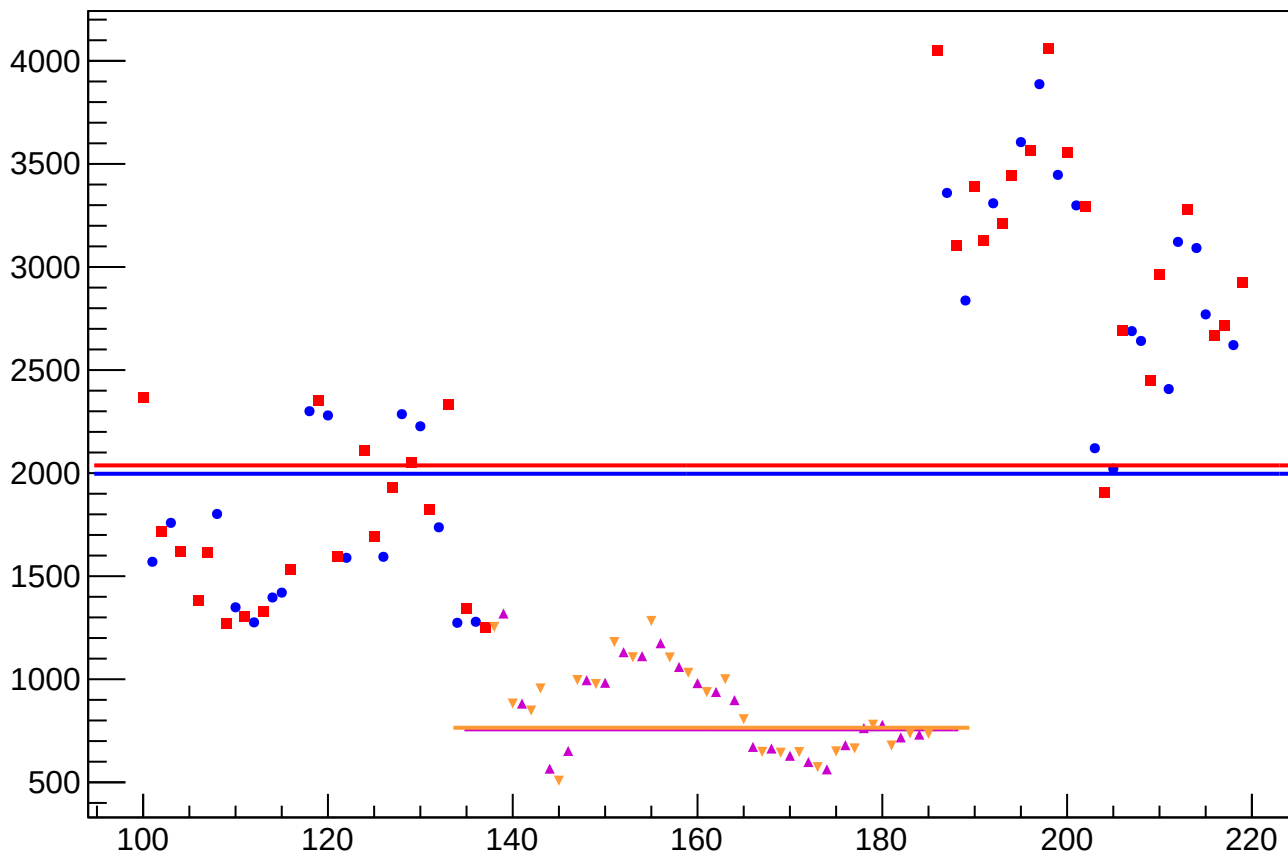
Left In: -113.680 ± 183.125 χ^2/NDF : 26.3/22

+ sign -913.788 ± 168.155 χ^2/NDF : 126.1/56

All: -653.161 ± 119.771 χ^2/NDF : 226.3/116

- sign -384.790 ± 170.635 χ^2/NDF : 95.4/59

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1996.895 $\pm$ 0.335 χ^2 /NDF: 4402015.6/31

Left Out: 764.734 $\pm$ 0.127 χ^2 /NDF: 2425549.9/24

Right Out: 2037.481 $\pm$ 0.332 χ^2 /NDF: 5206315.8/36

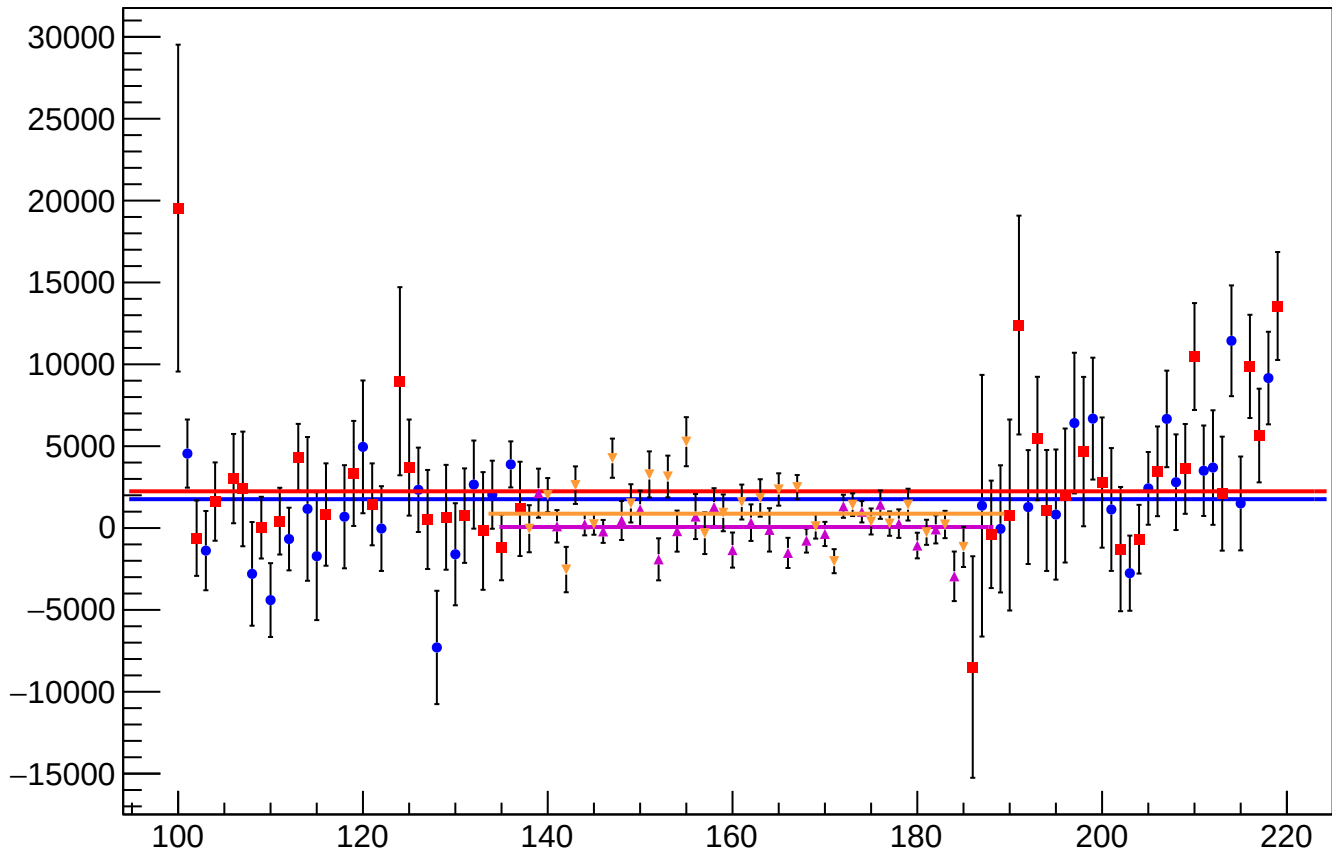
Left In: 756.926 $\pm$ 0.129 χ^2 /NDF: 2115275.0/22

+ sign 920.325 $\pm$ 0.119 χ^2 /NDF: 18675340.7/56

All: 922.949 $\pm$ 0.085 χ^2 /NDF: 38883675.4/11

- sign 925.651 $\pm$ 0.121 χ^2 /NDF: 20207346.2/59

asym_sam3_mean vs Slug



Right In: 1762.929 ± 487.461 χ^2/NDF : 53.0/31

Left Out: 876.482 ± 188.998 χ^2/NDF : 67.3/24

Right Out: 2242.993 ± 489.903 χ^2/NDF : 49.7/36

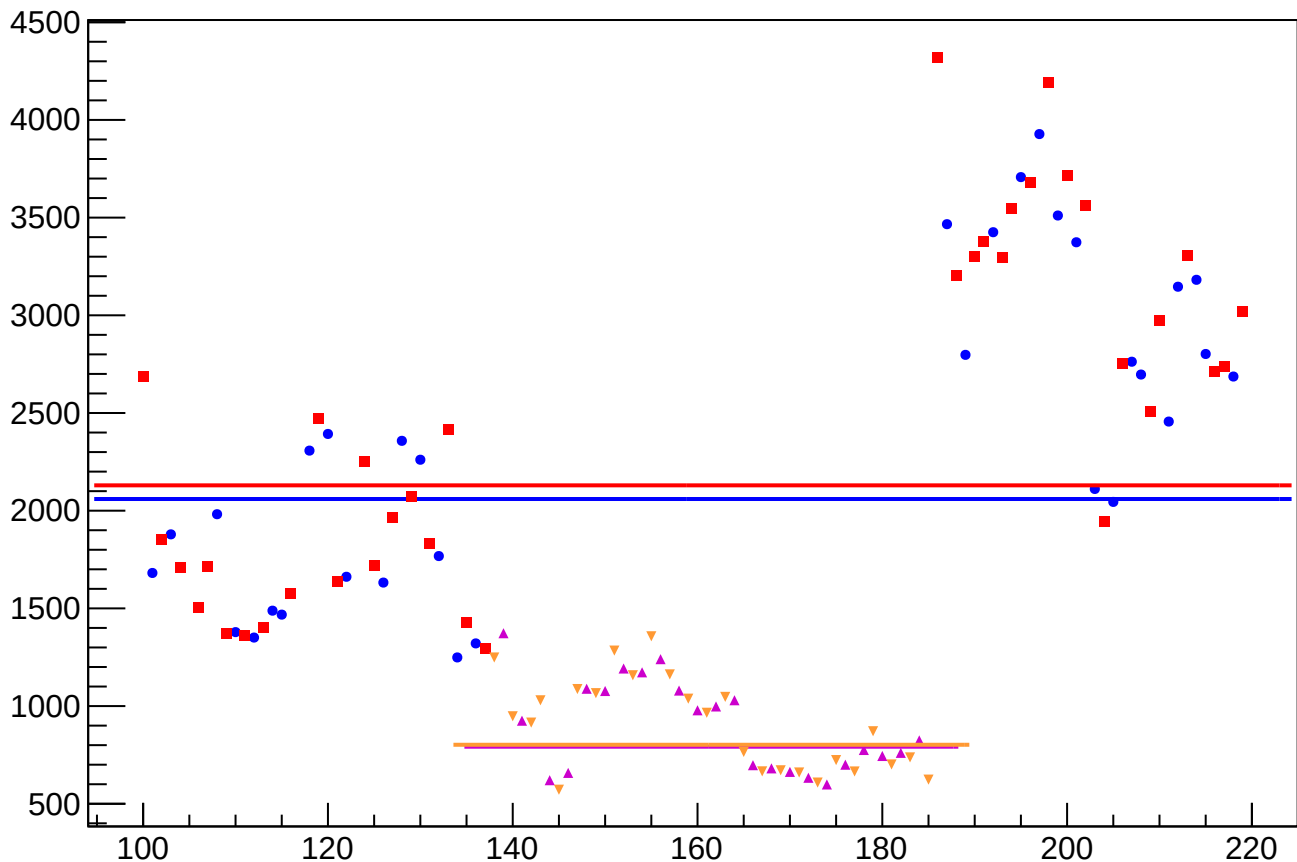
Left In: 62.754 ± 191.596 χ^2/NDF : 27.1/22

+ sign 992.325 ± 176.217 χ^2/NDF : 123.1/56

All: 676.162 ± 125.381 χ^2/NDF : 223.6/116

- sign 351.986 ± 178.436 χ^2/NDF : 93.9/59

asym_sam3_rms vs Slug



Right In: 2059.807 $\pm$ 0.345 χ^2 /NDF: 4256669.5/31

Left Out: 802.014 $\pm$ 0.134 χ^2 /NDF:2396024.4/24

Right Out: 2129.728 $\pm$ 0.346 χ^2 /NDF: 4932205.3/36

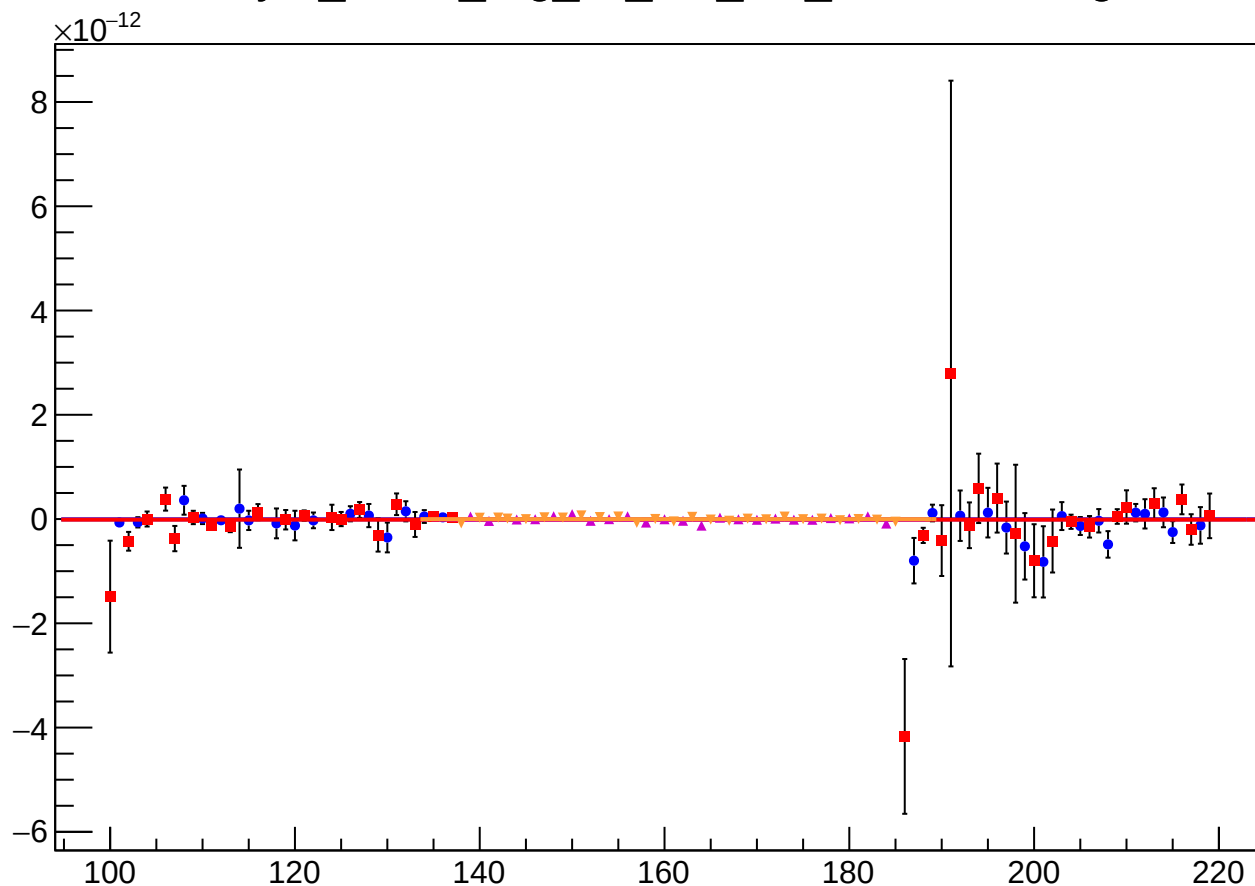
Left In: 792.060 $\pm$ 0.135 χ^2 /NDF:2135575.6/22

+ sign 966.385 $\pm$ 0.125 χ^2 /NDF: 18228406.7/56

All: 967.931 $\pm$ 0.089 χ^2 /NDF: 38229364.7/11

- sign 969.516 $\pm$ 0.126 χ^2 /NDF: 20000646.2/59

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.8/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 24.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 44.0/36

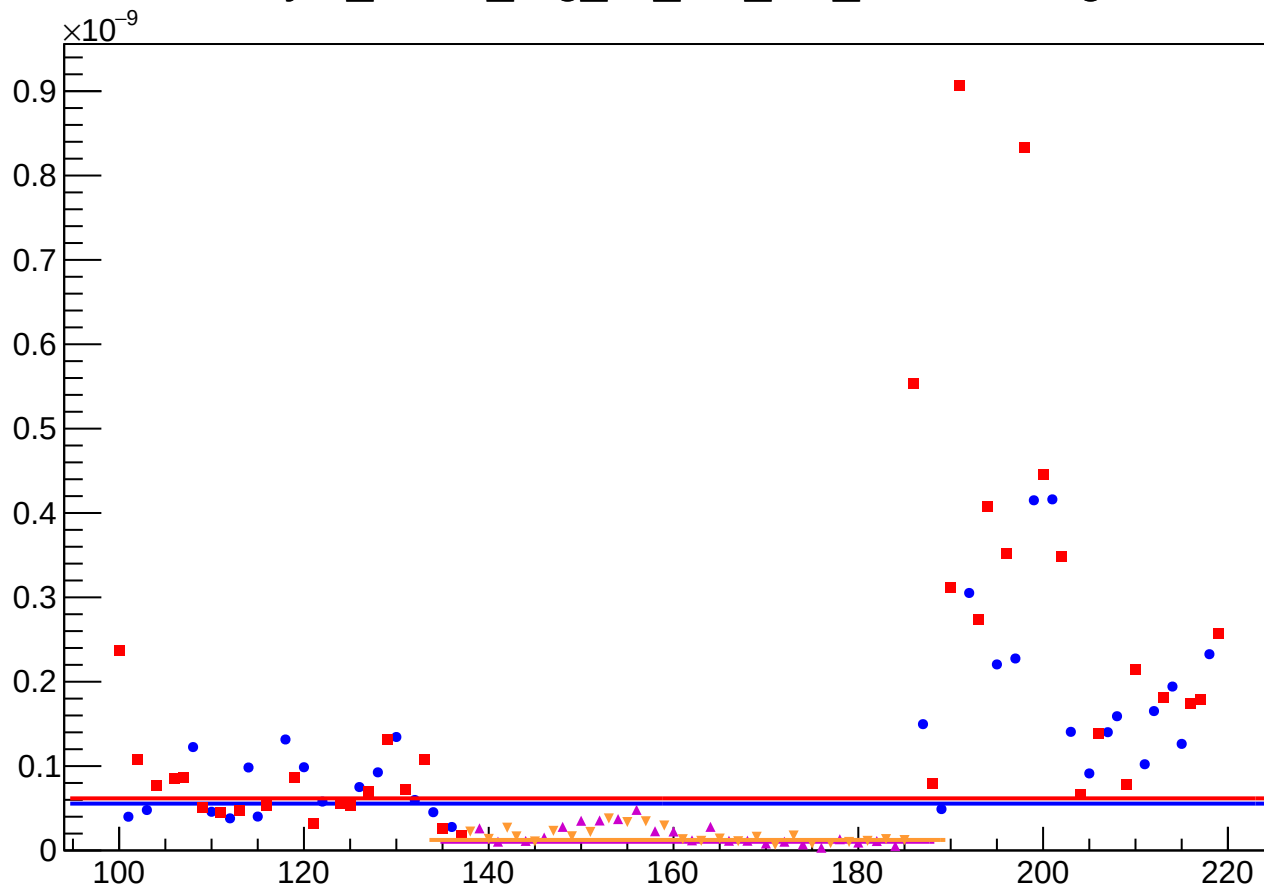
Left In: -0.000 ± 0.000 χ^2/NDF : 31.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 43.8/56

All: -0.000 ± 0.000 χ^2/NDF : 119.8/116

- sign -0.000 ± 0.000 χ^2/NDF : 75.6/59

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6498808.7/31

Left Out: 0.000+/-0.000 χ^2/NDF :2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7698687.9/36

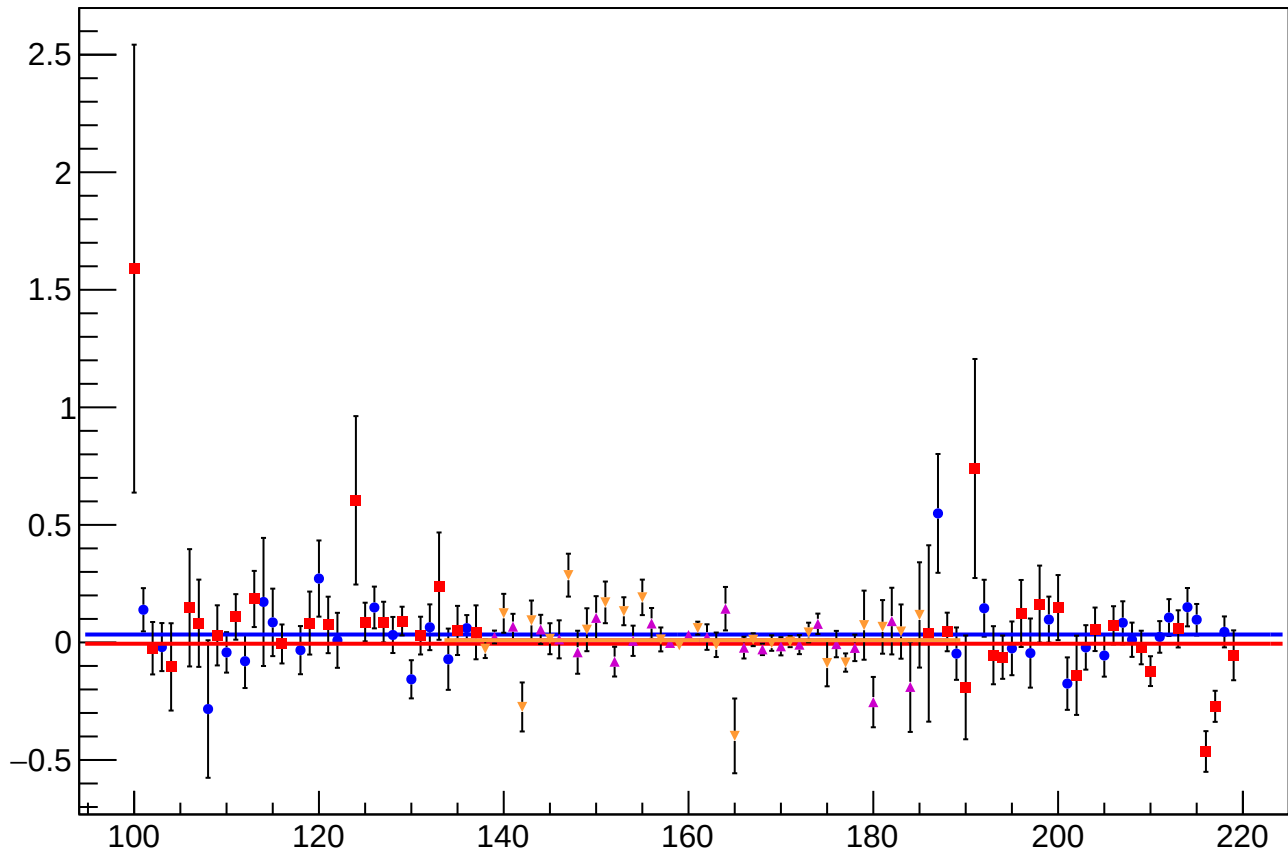
Left In: 0.000+/-0.000 χ^2/NDF :3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 14315455.9/56

All: 0.000+/-0.000 χ^2/NDF : 32743876.0/116

- sign 0.000+/-0.000 χ^2/NDF : 18199731.3/59

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.034 ± 0.017 χ^2/NDF : 31.3/31

Left Out: 0.010 ± 0.008 χ^2/NDF : 54.6/24

Right Out: -0.006 ± 0.017 χ^2/NDF : 76.1/36

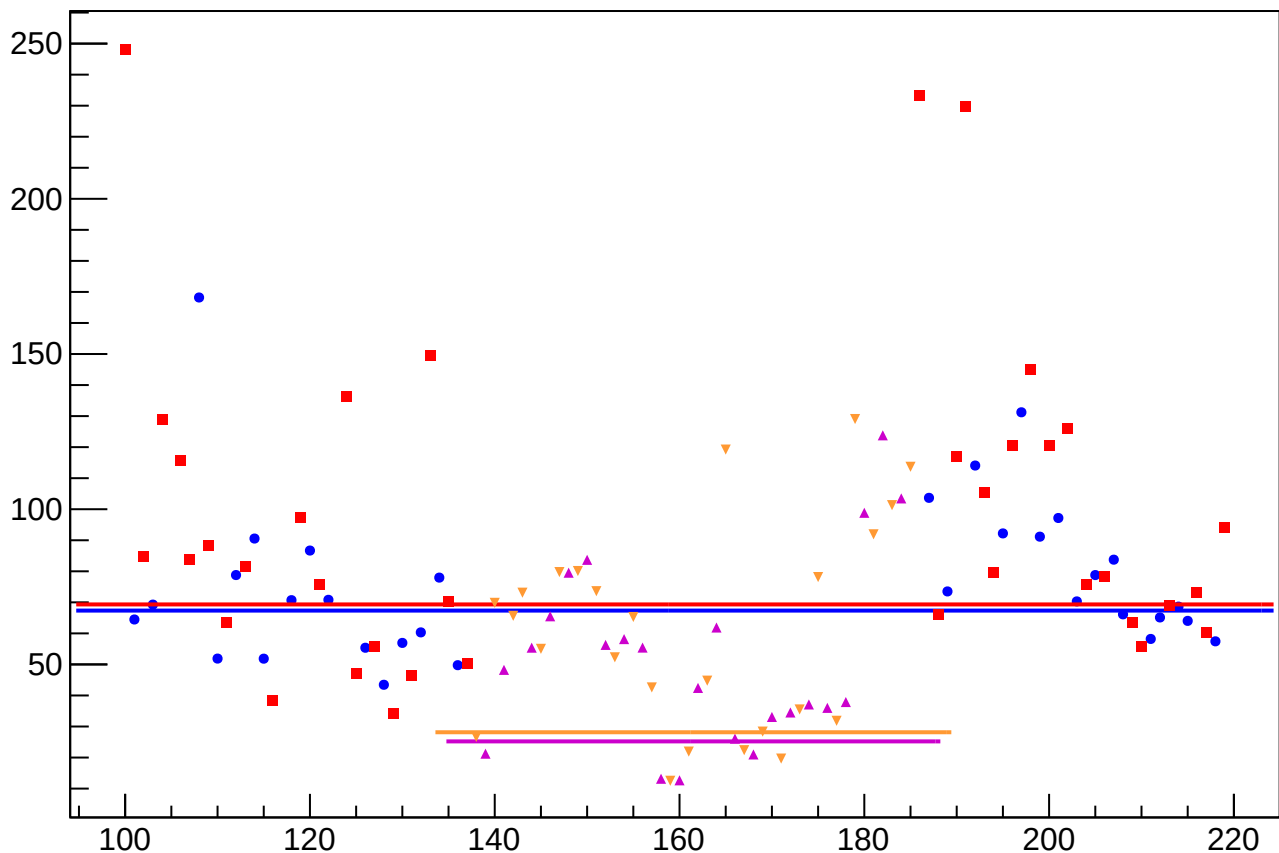
Left In: 0.009 ± 0.008 χ^2/NDF : 25.2/22

+ sign 0.015 ± 0.008 χ^2/NDF : 87.6/56

All: 0.011 ± 0.005 χ^2/NDF : 190.0/116

- sign 0.007 ± 0.007 χ^2/NDF : 101.9/59

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 67.345 $\pm$ 0.012 χ^2/NDF : 2150793.8/31

Left Out: 28.151 $\pm$ 0.006 χ^2/NDF : 11070747.0/24

Right Out: 69.330 $\pm$ 0.012 χ^2/NDF : 4618790.9/36

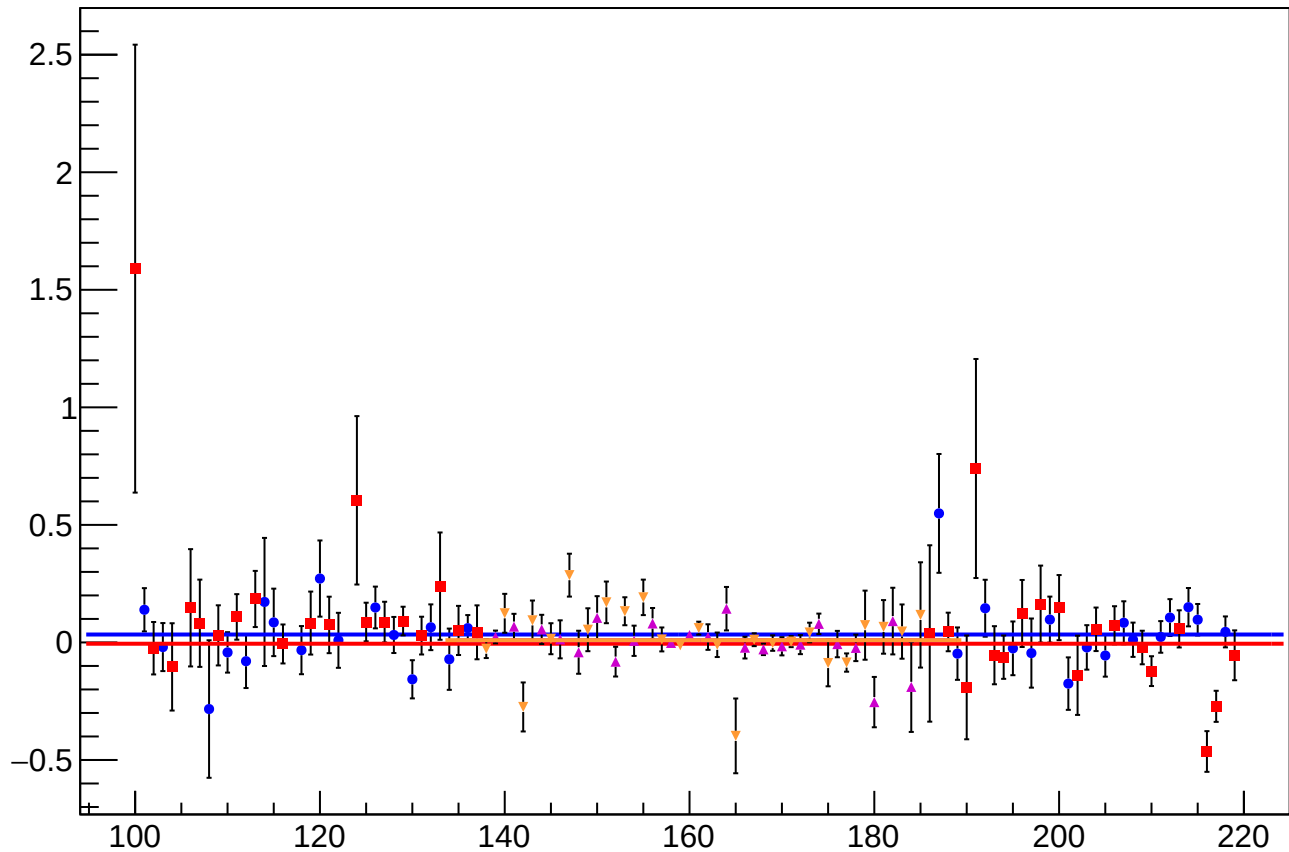
Left In: 25.206 $\pm$ 0.006 χ^2/NDF : 9964049.2/22

+ sign 36.260 $\pm$ 0.005 χ^2/NDF : 22106825.6/56

All: 34.565 $\pm$ 0.004 χ^2/NDF : 47867994.0/116

- sign 33.022 $\pm$ 0.005 χ^2/NDF : 25567731.7/59

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.034 ± 0.017 χ^2/NDF : 31.3/31

Left Out: 0.010 ± 0.008 χ^2/NDF : 54.6/24

Right Out: -0.006 ± 0.017 χ^2/NDF : 76.1/36

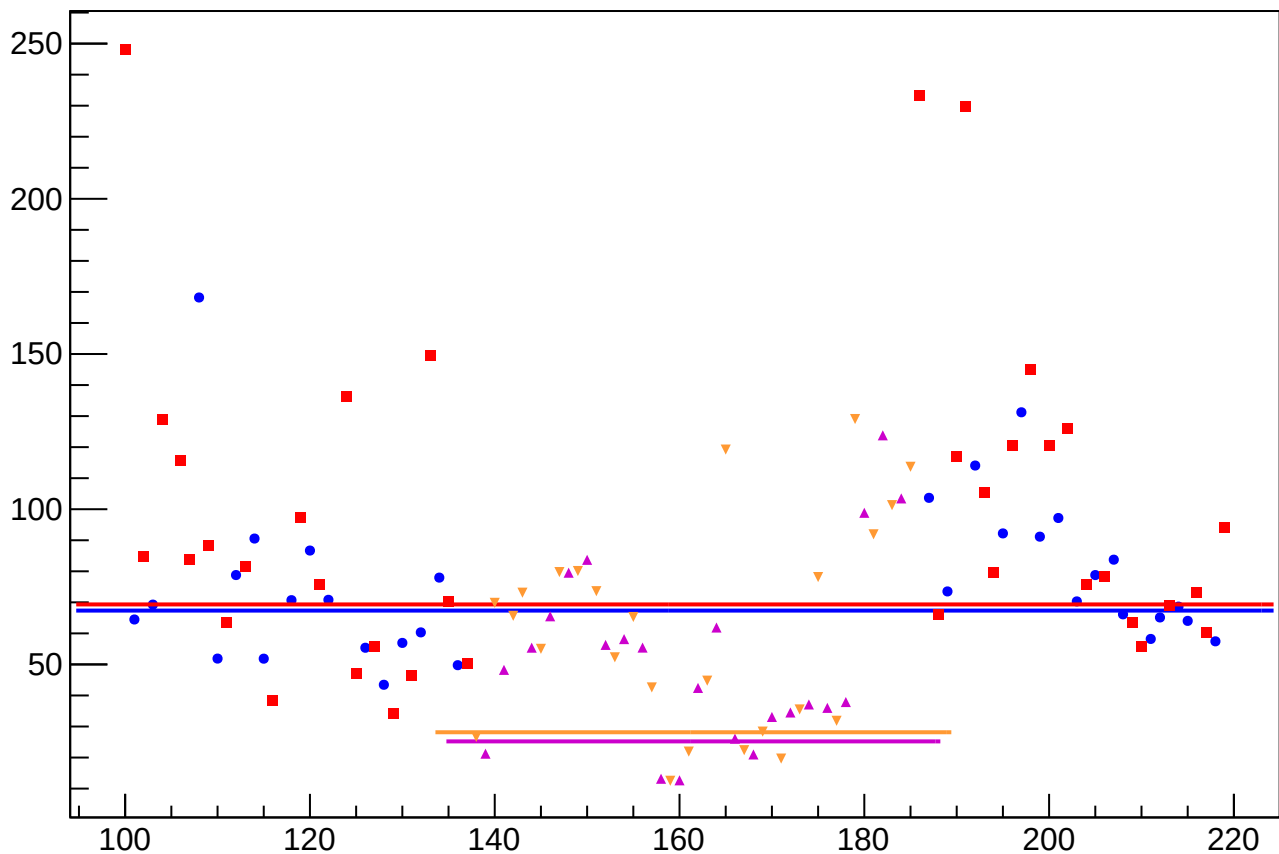
Left In: 0.009 ± 0.008 χ^2/NDF : 25.2/22

+ sign 0.015 ± 0.008 χ^2/NDF : 87.6/56

All: 0.011 ± 0.005 χ^2/NDF : 190.0/116

- sign 0.007 ± 0.007 χ^2/NDF : 101.9/59

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.345 $\pm$ 0.012 χ^2 /NDF: 2150793.8/31

Left Out: 28.151 $\pm$ 0.006 χ^2 /NDF: 11070747.0/24

Right Out: 69.330 $\pm$ 0.012 χ^2 /NDF: 4618790.9/36

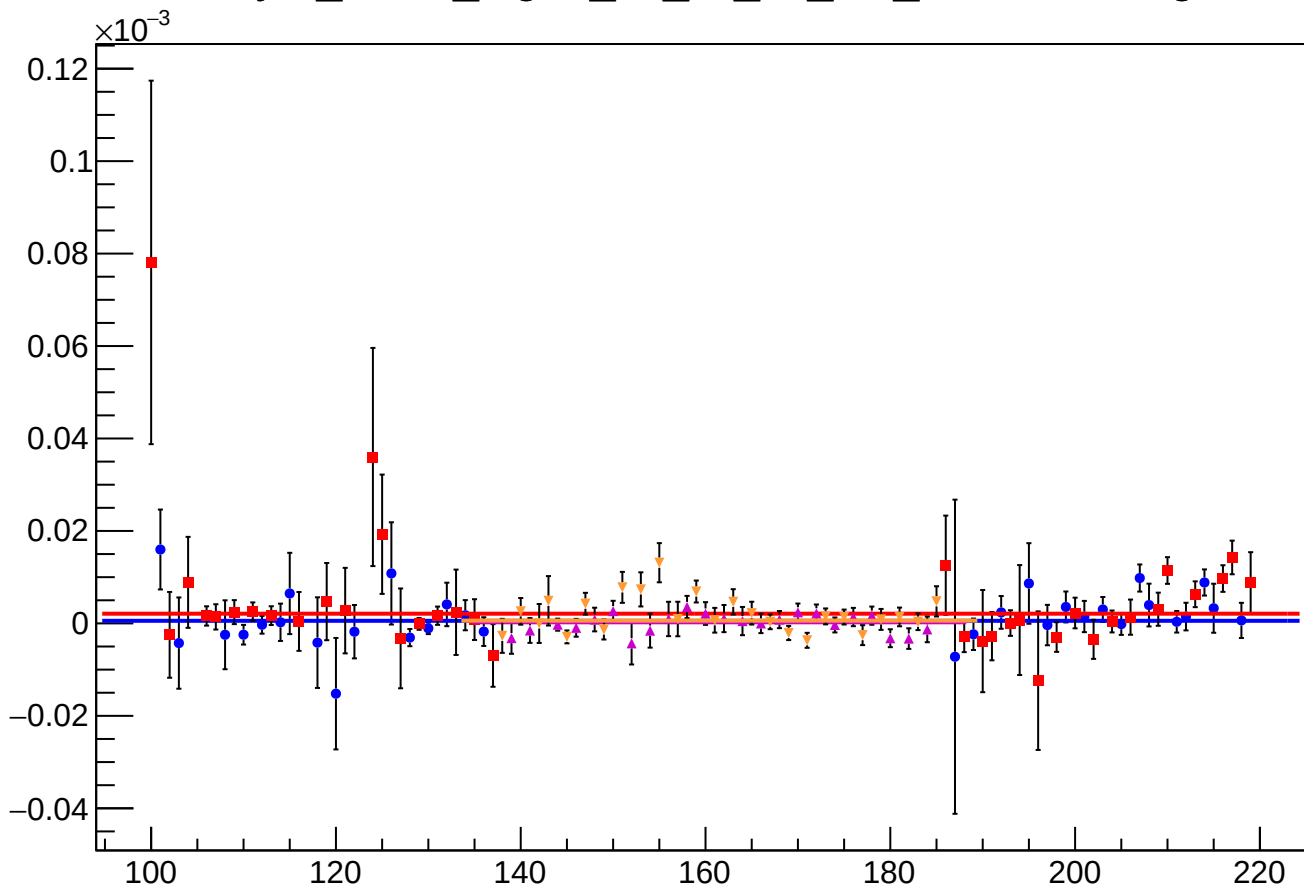
Left In: 25.206 $\pm$ 0.006 χ^2 /NDF: 9964049.2/22

+ sign 36.260 $\pm$ 0.005 χ^2 /NDF: 22106825.6/56

All: 34.565 $\pm$ 0.004 χ^2 /NDF: 47867994.0/116

- sign 33.022 $\pm$ 0.005 χ^2 /NDF: 25567731.7/59

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 39.2/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 52.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 56.4/36

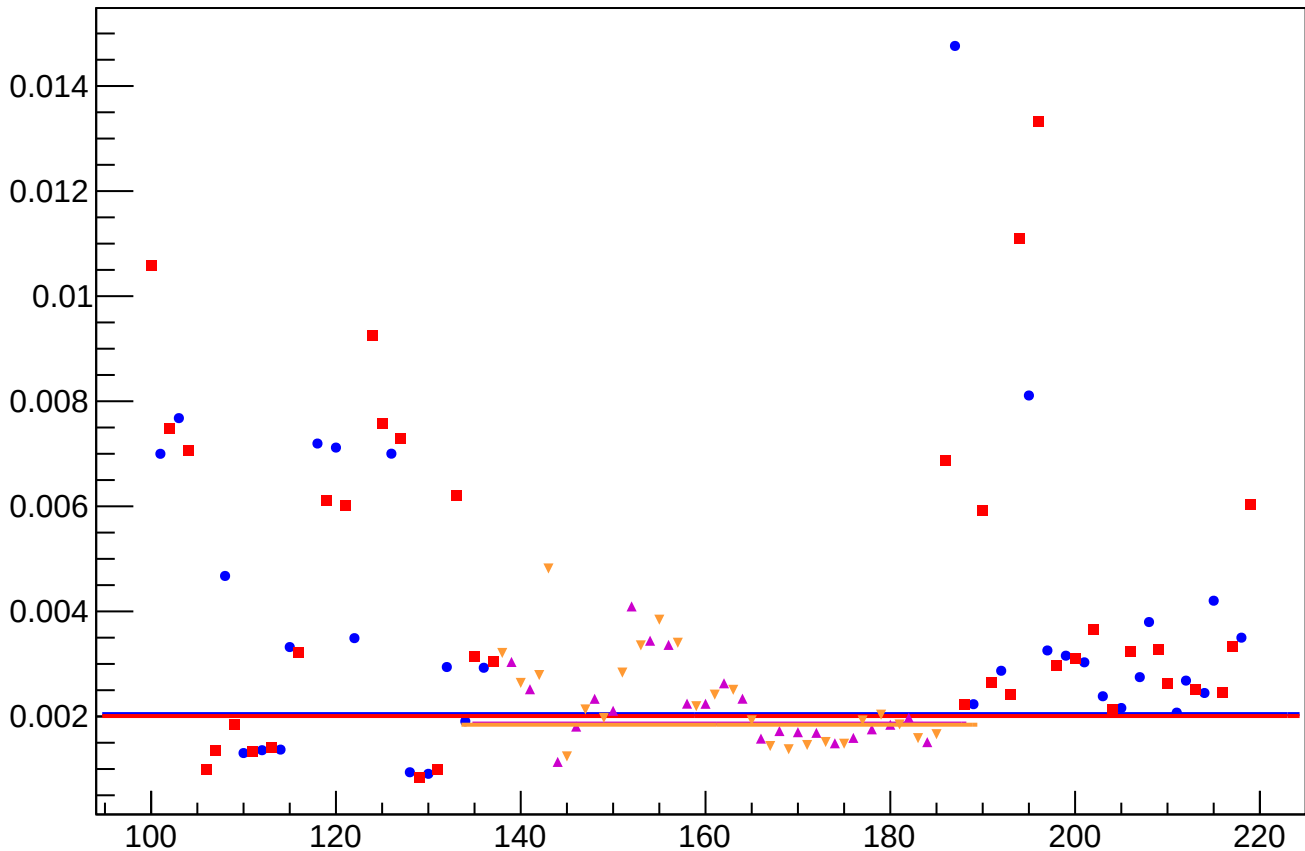
Left In: 0.000 ± 0.000 χ^2/NDF : 16.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 91.5/56

All: 0.000 ± 0.000 χ^2/NDF : 172.0/116

- sign 0.000 ± 0.000 χ^2/NDF : 79.7/59

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 9284543.3/31

Left Out: 0.002+/-0.000 χ^2/NDF : 3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 12532377.1/36

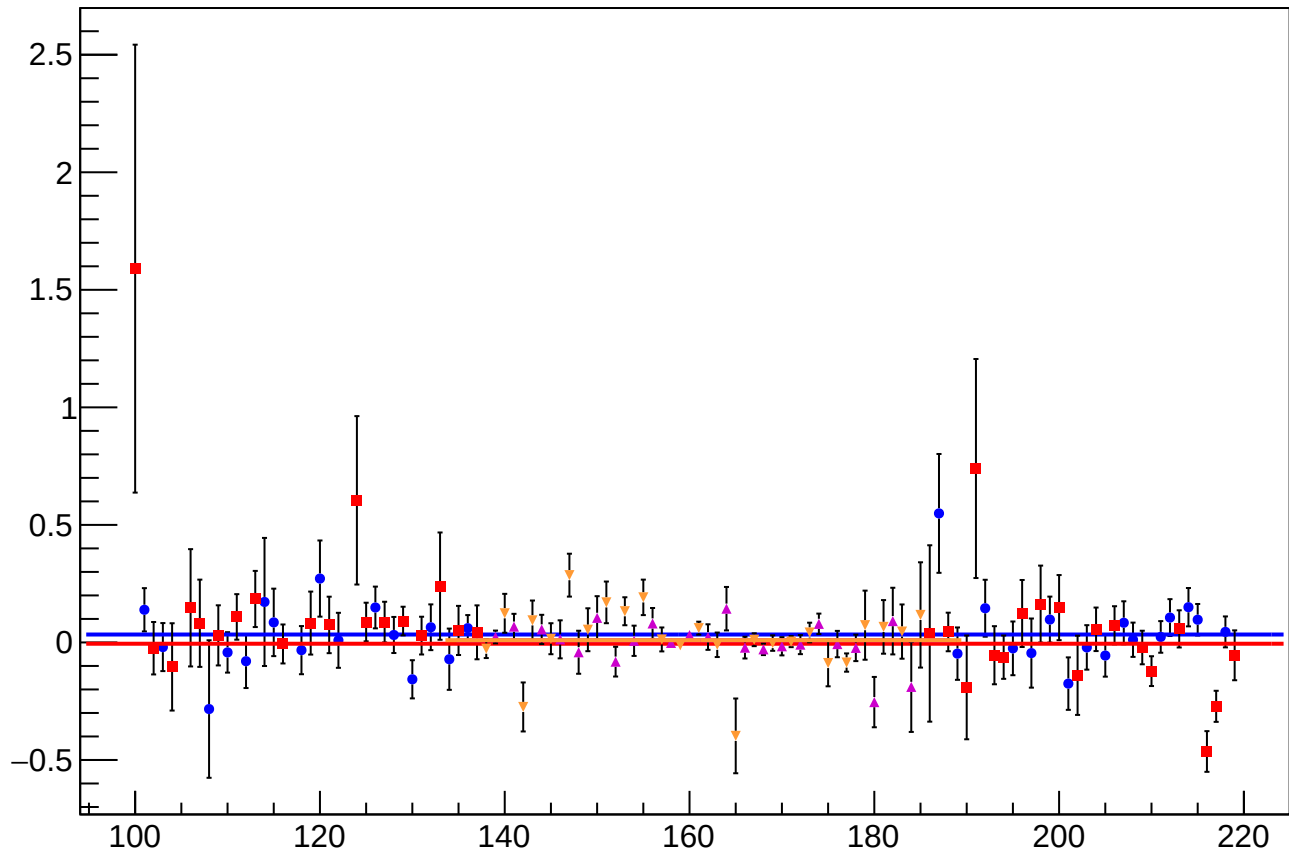
Left In: 0.002+/-0.000 χ^2/NDF : 2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 13229394.5/56

All: 0.002+/-0.000 χ^2/NDF : 28636914.9/116

- sign 0.002+/-0.000 χ^2/NDF : 15407481.2/59

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.034 ± 0.017 χ^2/NDF : 31.3/31

Left Out: 0.010 ± 0.008 χ^2/NDF : 54.6/24

Right Out: -0.006 ± 0.017 χ^2/NDF : 76.1/36

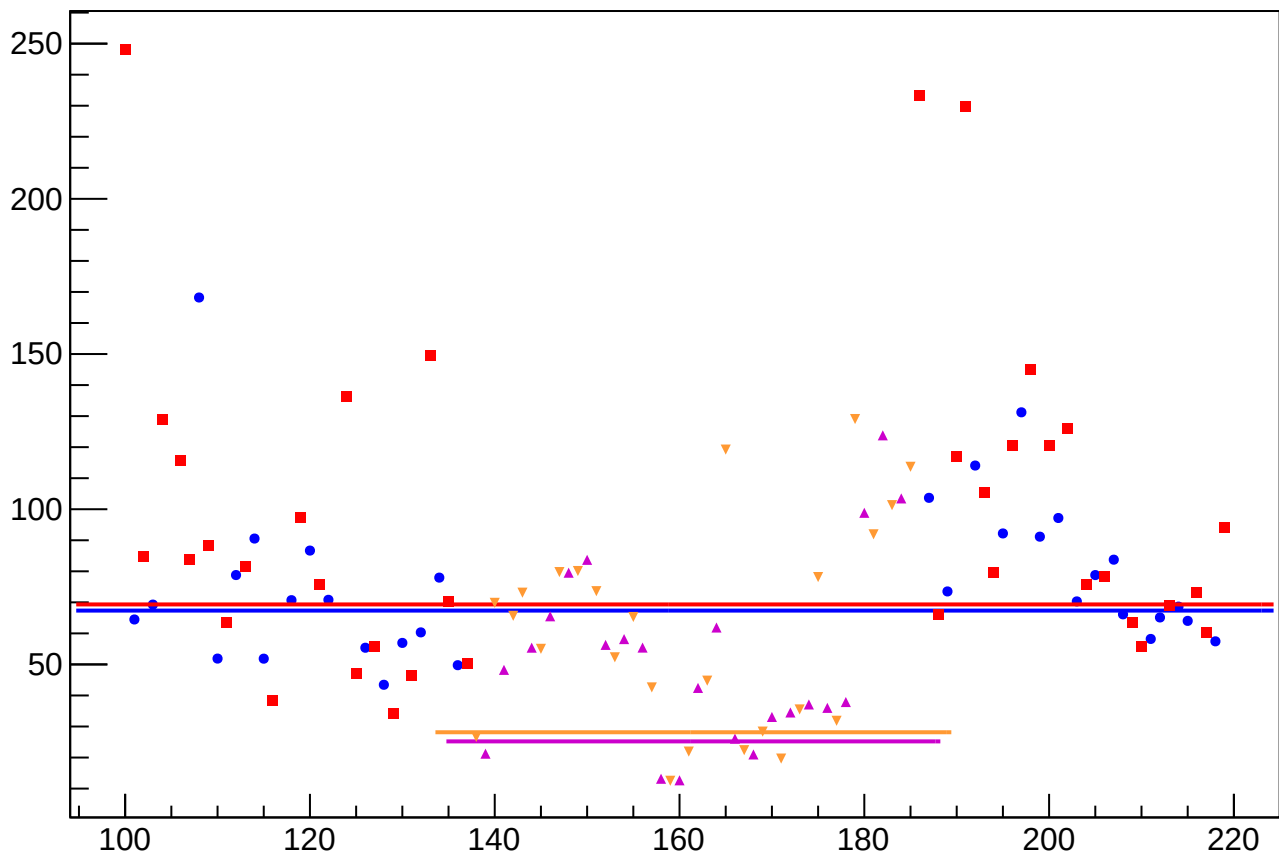
Left In: 0.009 ± 0.008 χ^2/NDF : 25.2/22

+ sign 0.015 ± 0.008 χ^2/NDF : 87.6/56

All: 0.011 ± 0.005 χ^2/NDF : 190.0/116

- sign 0.007 ± 0.007 χ^2/NDF : 101.9/59

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.345 ± 0.012 $\chi^2/\text{NDF}: 2150785.2/31$

Left Out: 28.150 ± 0.006 $\chi^2/\text{NDF}: 11071818.3/24$

Right Out: 69.331 ± 0.012 $\chi^2/\text{NDF}: 4618843.0/36$

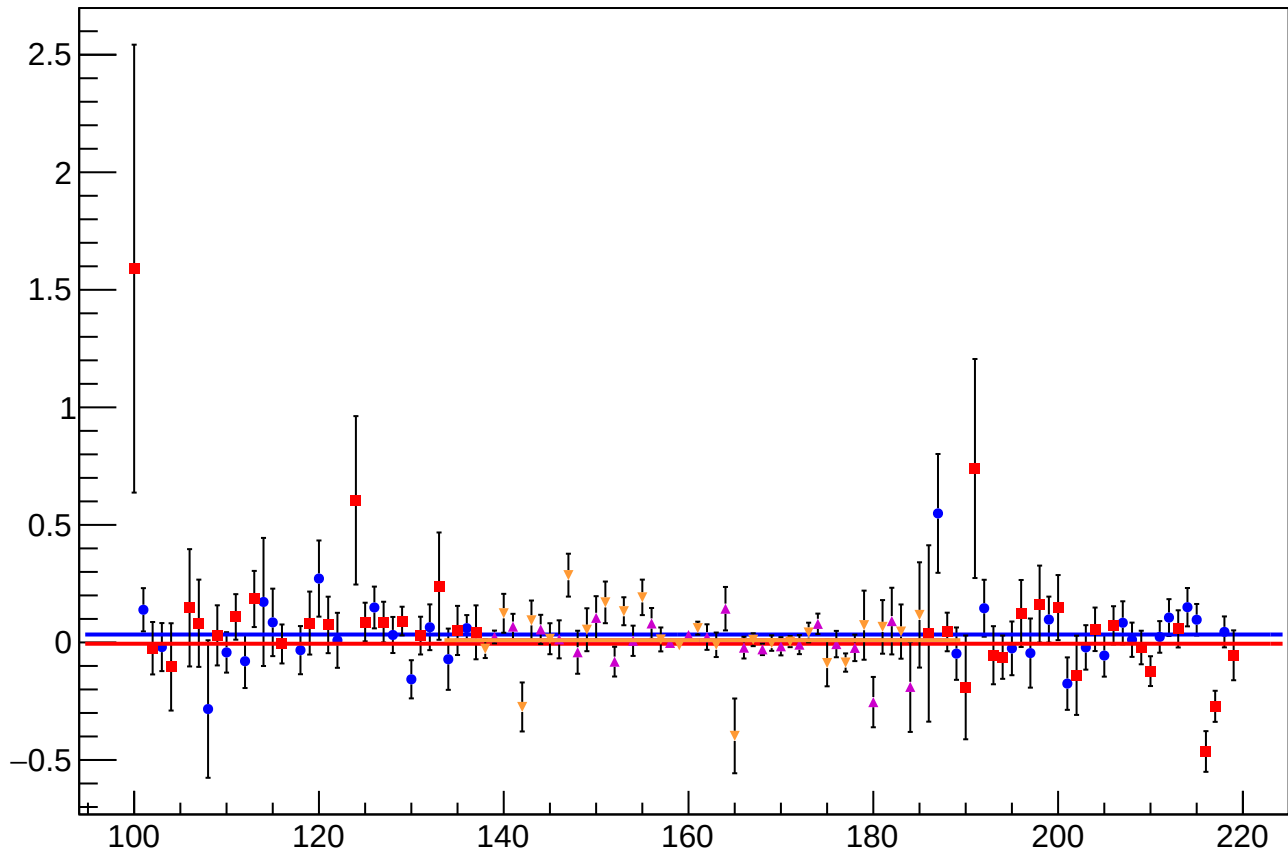
Left In: 25.205 ± 0.006 $\chi^2/\text{NDF}: 9964548.1/22$

+ sign 36.258 ± 0.005 $\chi^2/\text{NDF}: 22108624.8/56$

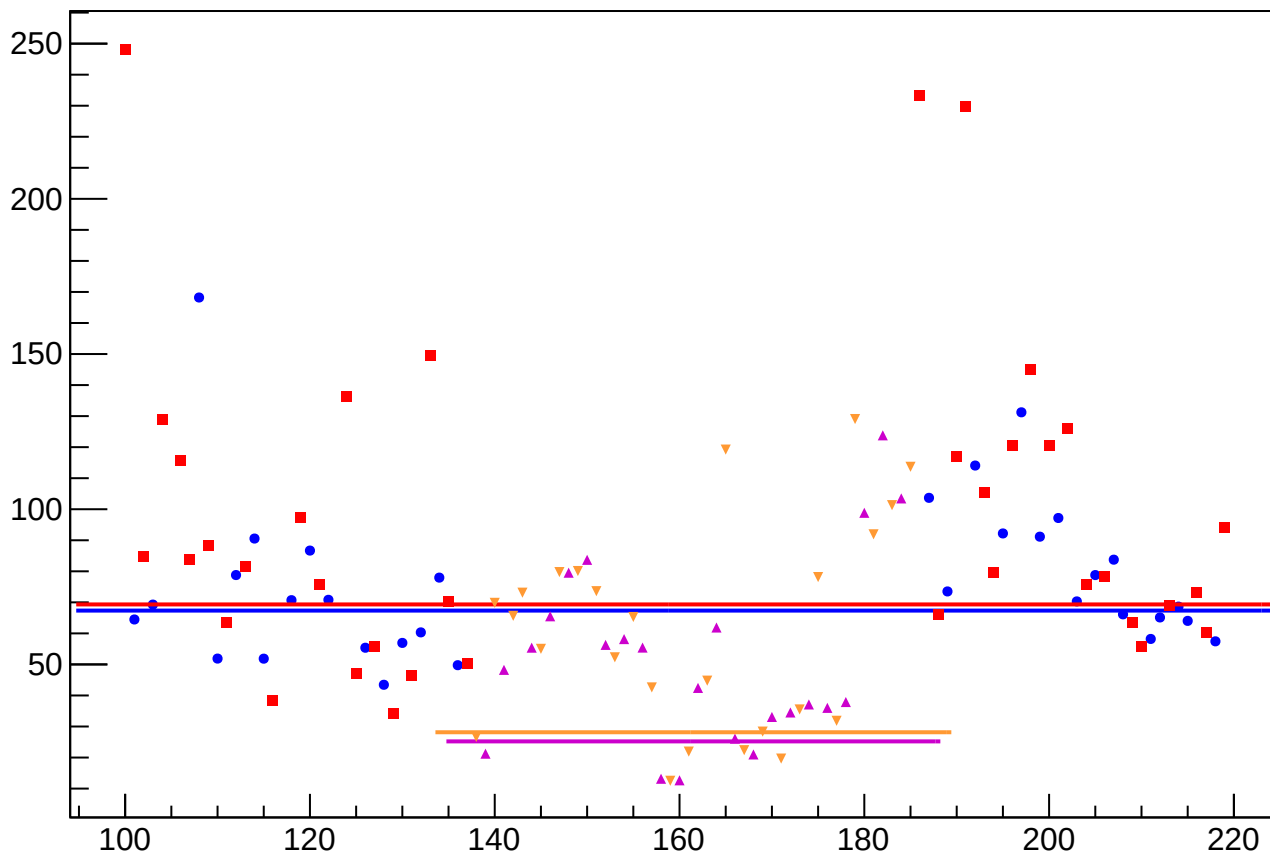
All: 34.564 ± 0.004 $\chi^2/\text{NDF}: 47870644.1/116$

- sign 33.021 ± 0.005 $\chi^2/\text{NDF}: 25568680.0/59$

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.345 ± 0.012 $\chi^2/\text{NDF}: 2150785.2/31$

Left Out: 28.150 ± 0.006 $\chi^2/\text{NDF}: 11071818.3/24$

Right Out: 69.331 ± 0.012 $\chi^2/\text{NDF}: 4618843.0/36$

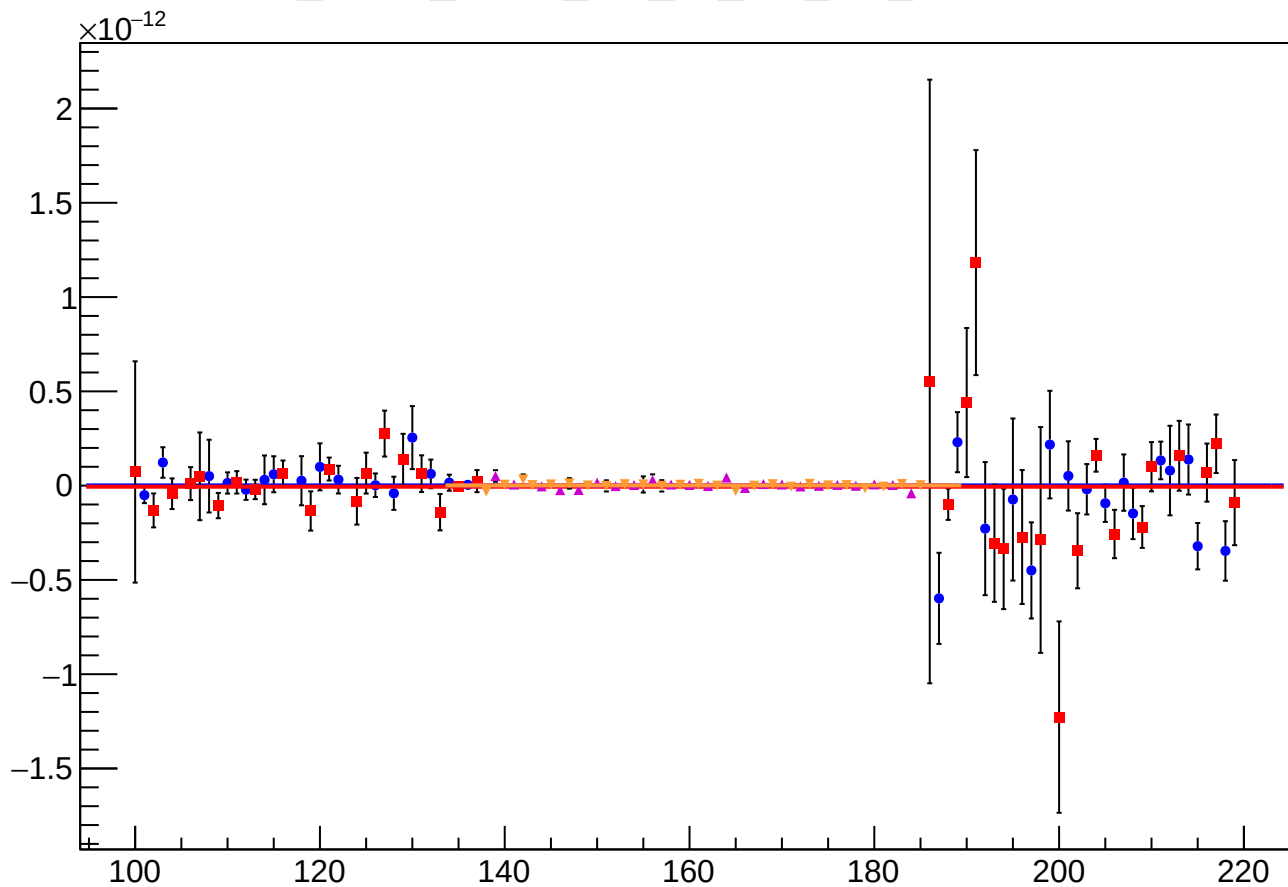
Left In: 25.205 ± 0.006 $\chi^2/\text{NDF}: 9964548.1/22$

+ sign 36.258 ± 0.005 $\chi^2/\text{NDF}: 22108624.8/56$

All: 34.564 ± 0.004 $\chi^2/\text{NDF}: 47870644.1/116$

- sign 33.021 ± 0.005 $\chi^2/\text{NDF}: 25568680.0/59$

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 37.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 11.3/24

Right Out: -0.000+/-0.000 χ^2/NDF : 53.0/36

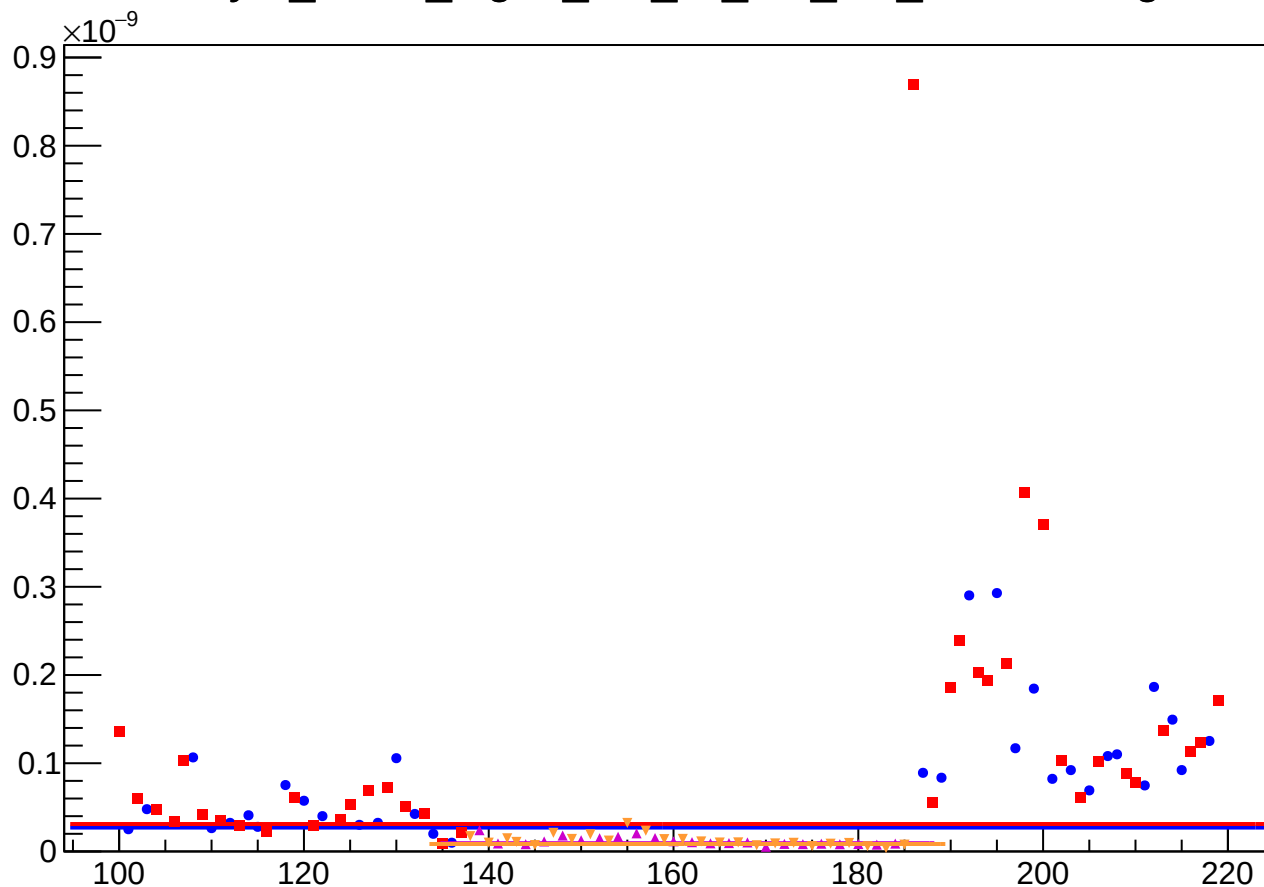
Left In: 0.000+/-0.000 χ^2/NDF : 20.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 48.7/56

All: 0.000+/-0.000 χ^2/NDF : 122.9/116

- sign 0.000+/-0.000 χ^2/NDF : 74.2/59

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12817824.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 13456540.2/36

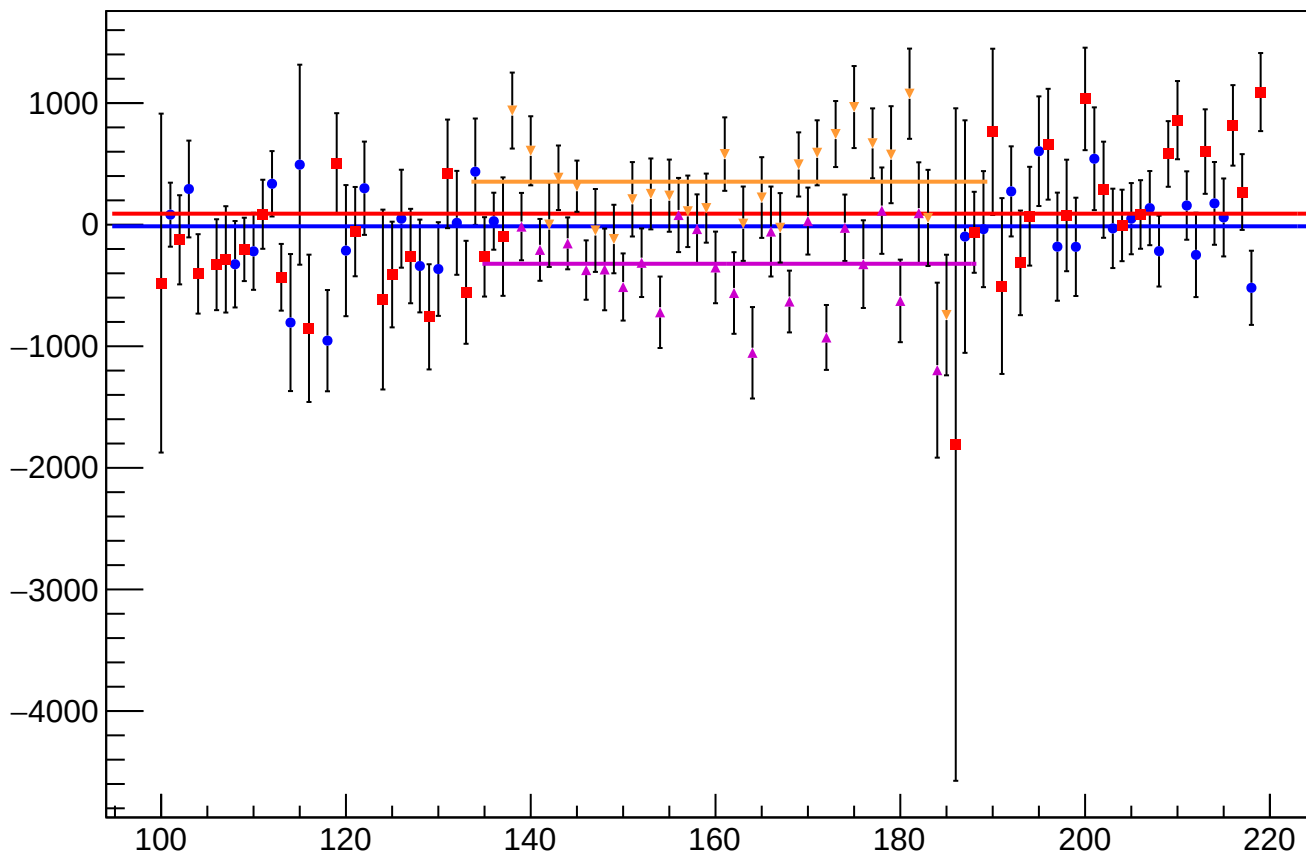
Left In: 0.000+/-0.000 χ^2/NDF : 2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 22030610.6/56

All: 0.000+/-0.000 χ^2/NDF : 43276938.8/116

- sign 0.000+/-0.000 χ^2/NDF : 21103572.9/59

reg_asym_sam4_mean vs Slug



Right In: -13.448 ± 63.262 $\chi^2/\text{NDF}: 23.8/31$

Left Out: 353.617 ± 60.149 $\chi^2/\text{NDF}: 32.3/24$

Right Out: 90.454 ± 61.947 $\chi^2/\text{NDF}: 60.6/36$

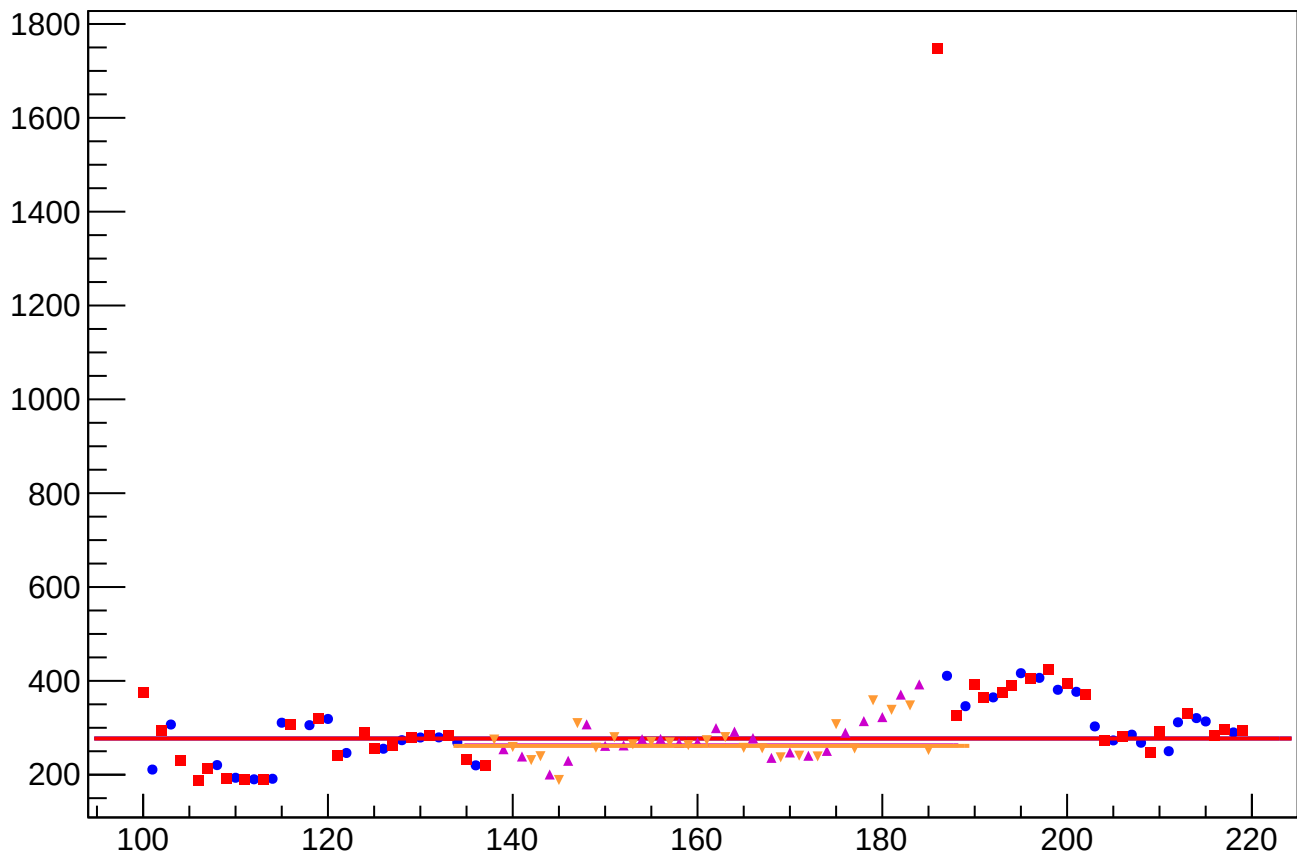
Left In: -321.510 ± 62.113 $\chi^2/\text{NDF}: 26.2/22$

+ sign 179.337 ± 43.591 $\chi^2/\text{NDF}: 73.8/56$

All: 33.093 ± 30.919 $\chi^2/\text{NDF}: 205.3/116$

- sign -114.977 ± 43.862 $\chi^2/\text{NDF}: 108.9/59$

reg_asym_sam4_rms vs Slug



Right In: 277.224 $\pm$ 0.045 χ^2 /NDF: 1658821.2/31

Left Out: 261.470 $\pm$ 0.043 χ^2 /NDF: 715467.9/24

Right Out: 277.066 $\pm$ 0.044 χ^2 /NDF: 2616407.1/36

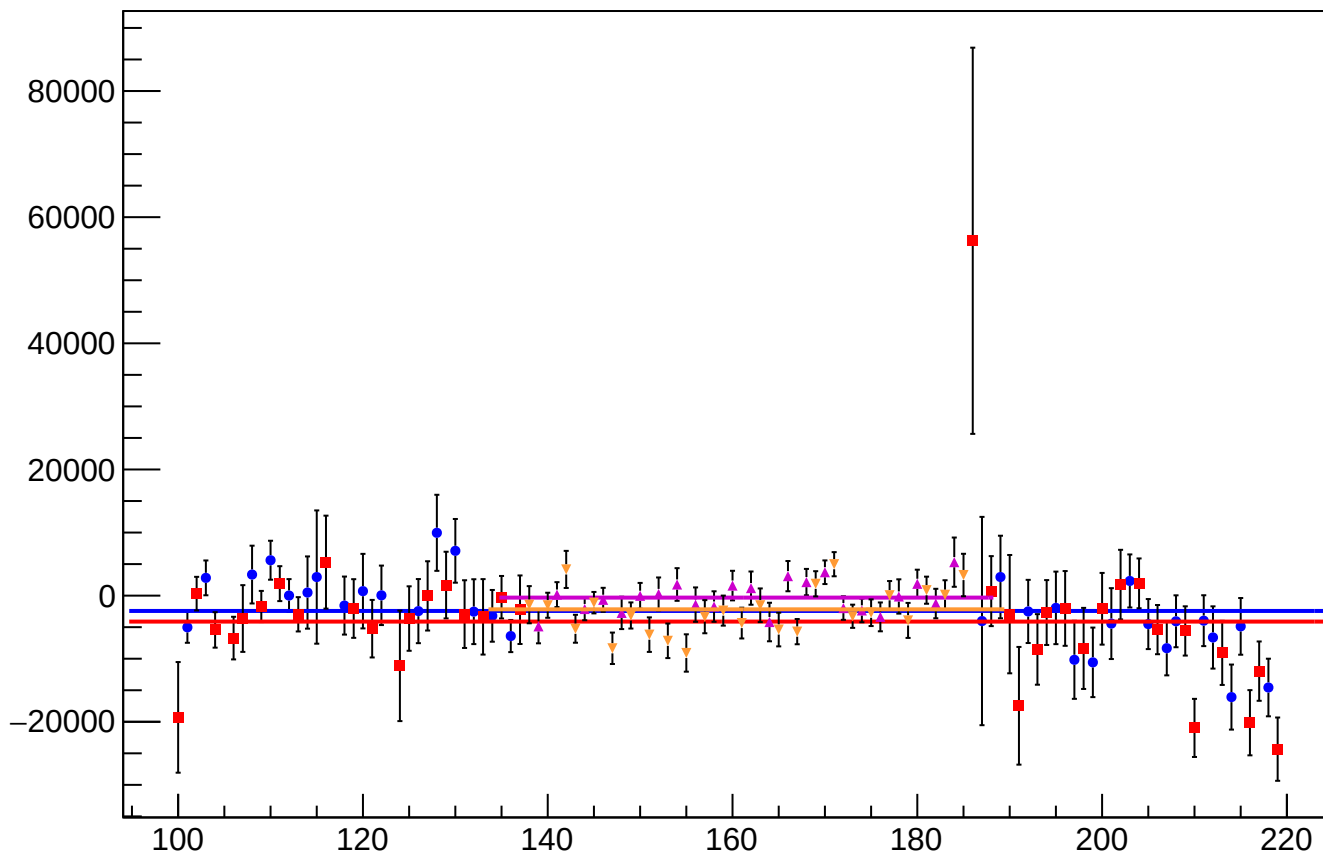
Left In: 262.616 $\pm$ 0.044 χ^2 /NDF: 670646.3/22

+ sign 268.950 $\pm$ 0.031 χ^2 /NDF: 2439434.8/56

All: 269.402 $\pm$ 0.022 χ^2 /NDF: 5781188.6/116

- sign 269.860 $\pm$ 0.031 χ^2 /NDF: 3341320.0/59

asym_sam4_reg_correction_mean vs Slug



Right In: -2428.909 ± 751.145 χ^2/NDF : 48.7/31

Left Out: -2171.840 ± 461.649 χ^2/NDF : 55.5/24

Right Out: -4115.080 ± 726.022 χ^2/NDF : 73.1/36

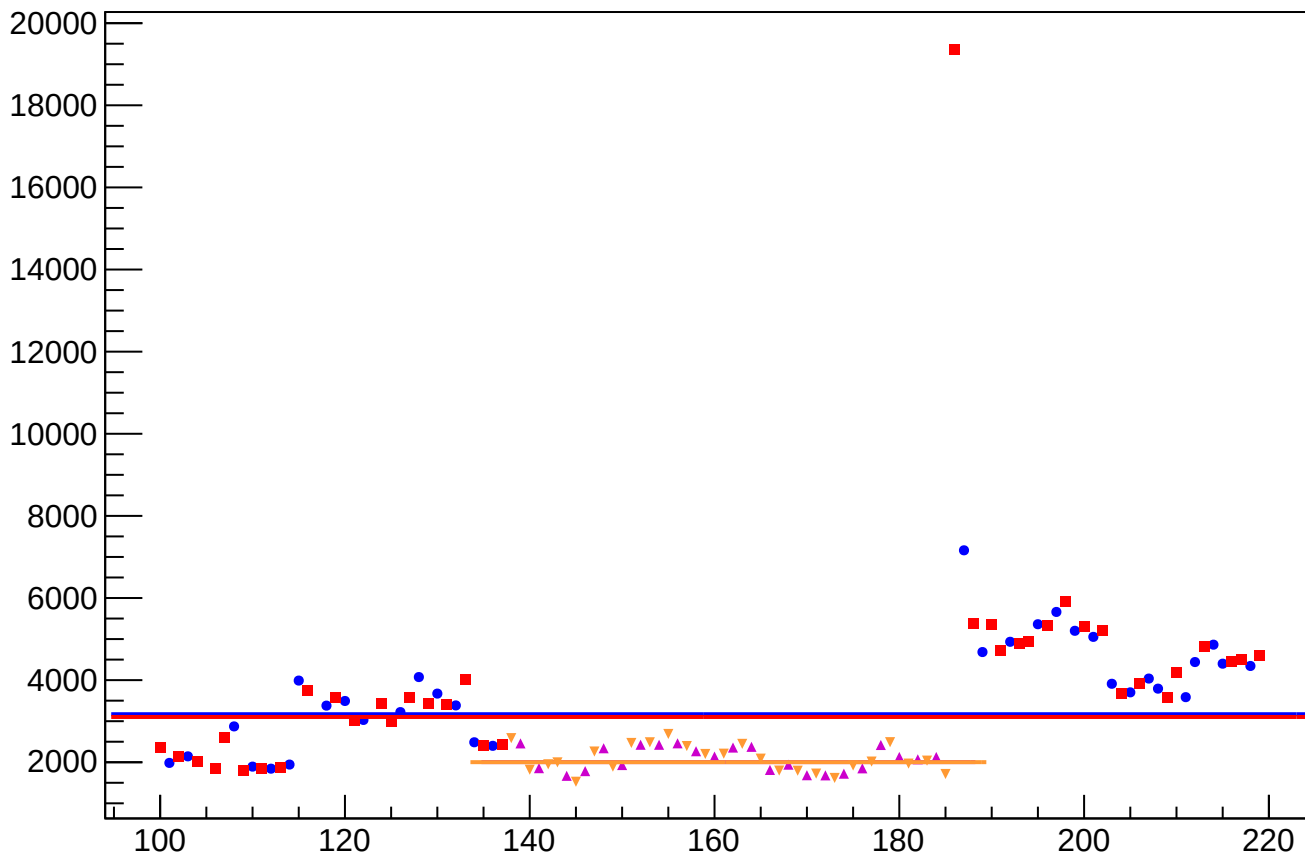
Left In: -313.739 ± 474.086 χ^2/NDF : 23.7/22

+ sign -2242.320 ± 393.306 χ^2/NDF : 104.3/56

All: -1849.857 ± 279.389 χ^2/NDF : 222.3/116

- sign -1450.086 ± 396.951 χ^2/NDF : 116.0/59

asym_sam4_reg_correction_rms vs Slug



Right In: 3169.837 $\pm$ 0.531 χ^2 /NDF: 4493127.1/31

Left Out: 2002.229 $\pm$ 0.326 χ^2 /NDF: 892707.2/24

Right Out: 3102.901 $\pm$ 0.513 χ^2 /NDF: 6266191.2/36

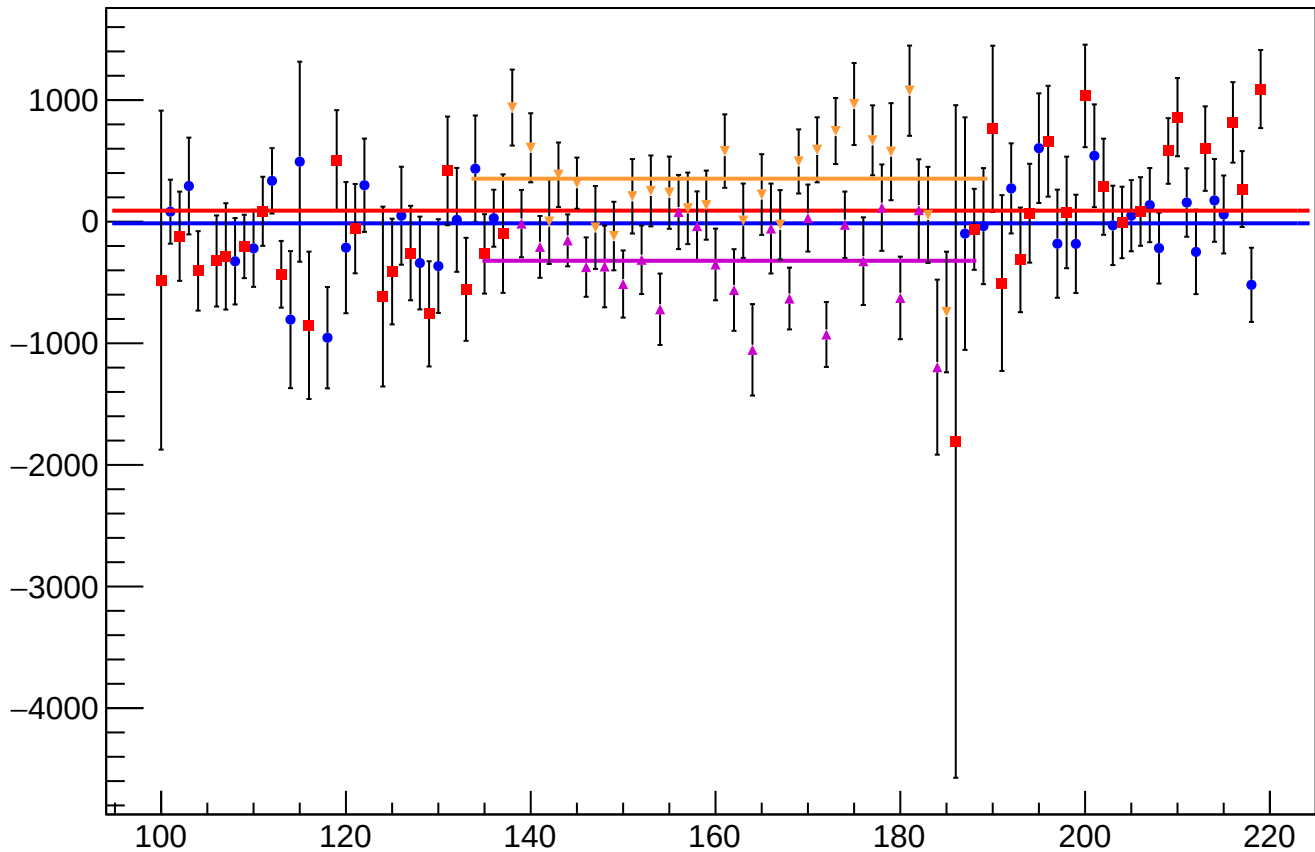
Left In: 2004.244 $\pm$ 0.335 χ^2 /NDF: 704919.9/22

+ sign 2322.347 $\pm$ 0.278 χ^2 /NDF: 8893467.0/56

All: 2327.460 $\pm$ 0.198 χ^2 /NDF: 19076067.1/100

- sign 2332.669 $\pm$ 0.281 χ^2 /NDF: 10181917.8/59

cor_asym_sam4_mean vs Slug



Right In: -13.458 ± 63.262 χ^2/NDF : 23.8/31

Left Out: 353.640 ± 60.149 χ^2/NDF : 32.3/24

Right Out: 90.815 ± 61.952 χ^2/NDF : 60.5/36

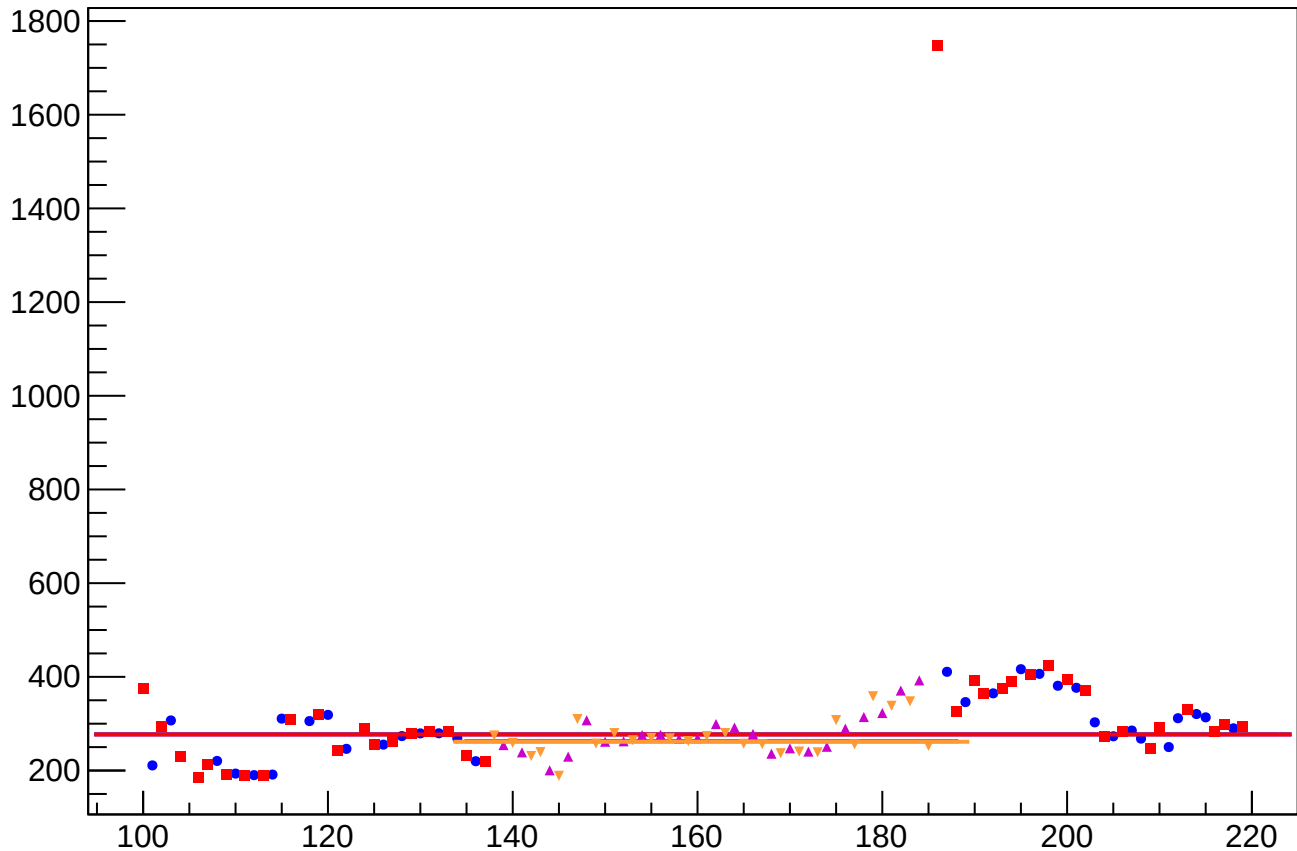
Left In: -321.514 ± 62.113 χ^2/NDF : 26.2/22

+ sign 179.345 ± 43.591 χ^2/NDF : 73.8/56

All: 33.183 ± 30.919 χ^2/NDF : 205.3/116

- sign -114.814 ± 43.864 χ^2/NDF : 108.8/59

cor_asym_sam4_rms vs Slug



Right In: 277.224 $\pm$ 0.045 χ^2 /NDF: 1658822.4/31

Left Out: 261.470 $\pm$ 0.043 χ^2 /NDF: 715467.9/24

Right Out: 277.012 $\pm$ 0.044 χ^2 /NDF: 2622446.9/36

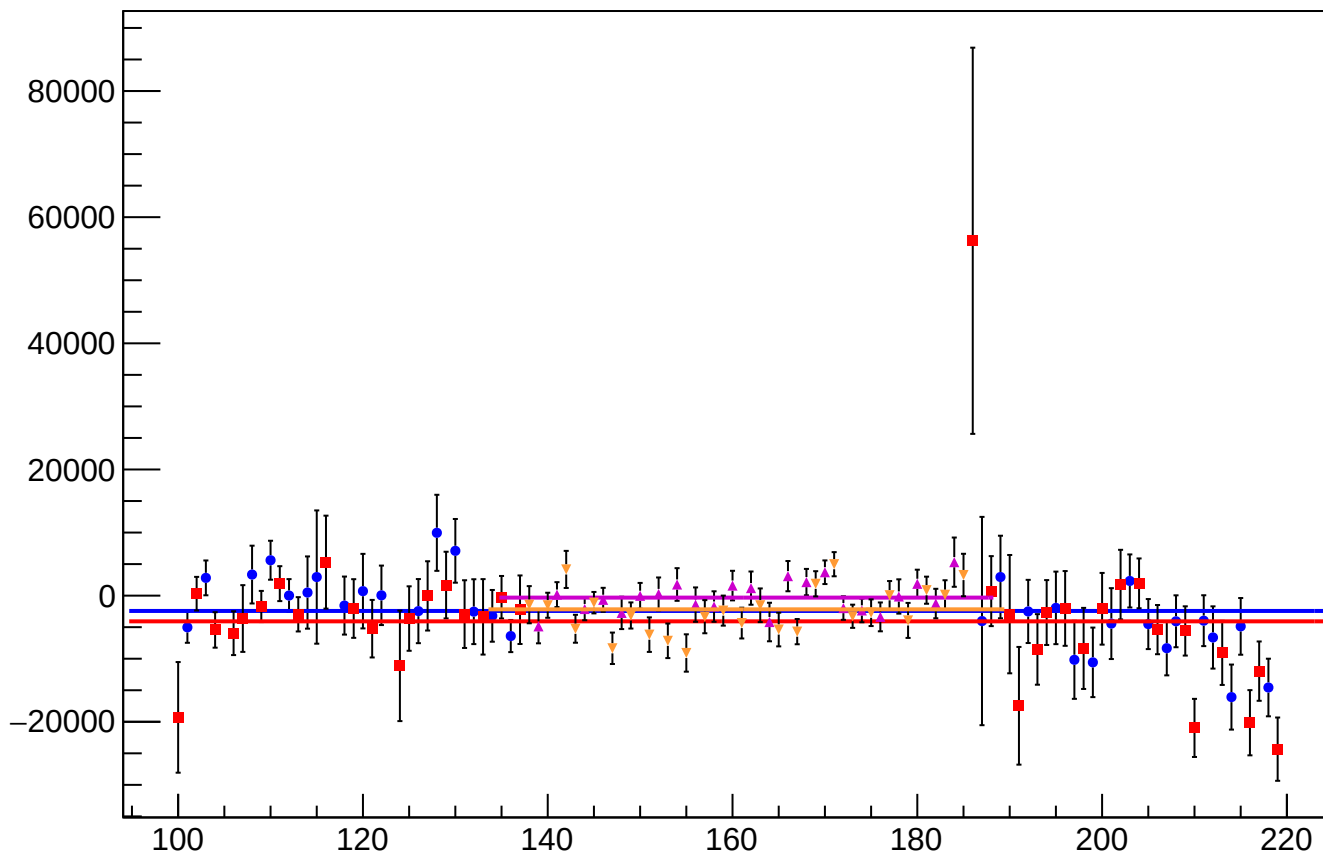
Left In: 262.616 $\pm$ 0.044 χ^2 /NDF: 670646.4/22

+ sign 268.950 $\pm$ 0.031 χ^2 /NDF: 2439436.3/56

All: 269.389 $\pm$ 0.022 χ^2 /NDF: 5786796.1/116

- sign 269.833 $\pm$ 0.031 χ^2 /NDF: 3346951.8/59

asym_sam4_cor_correction_mean vs Slug



Right In: -2429.030 ± 751.149 $\chi^2/\text{NDF}: 48.7/31$

Left Out: -2171.811 ± 461.649 $\chi^2/\text{NDF}: 55.5/24$

Right Out: -4075.574 ± 726.926 $\chi^2/\text{NDF}: 72.7/36$

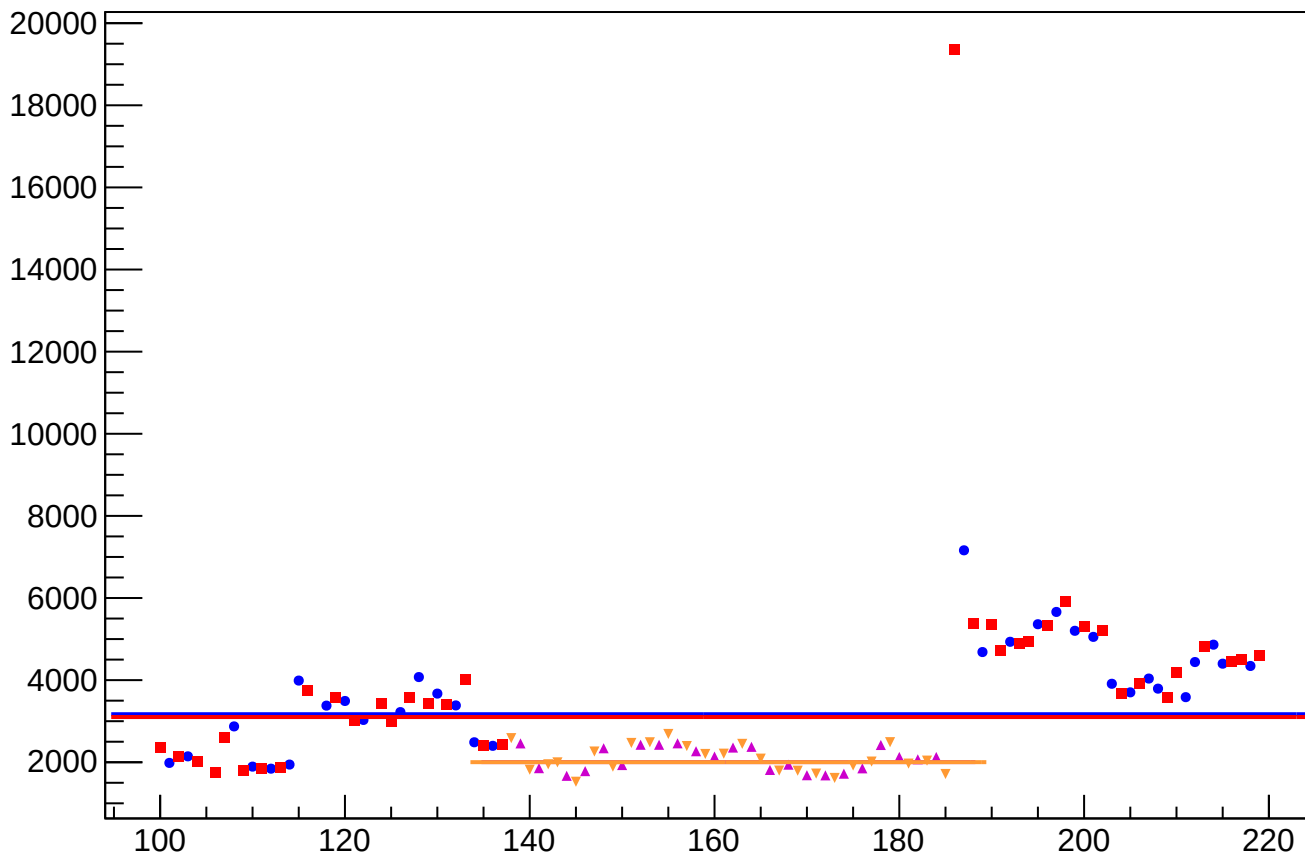
Left In: -313.745 ± 474.086 $\chi^2/\text{NDF}: 23.7/22$

+ sign -2242.331 ± 393.306 $\chi^2/\text{NDF}: 104.3/56$

All: -1843.192 ± 279.441 $\chi^2/\text{NDF}: 221.6/116$

- sign -1436.319 ± 397.099 $\chi^2/\text{NDF}: 115.2/59$

asym_sam4_cor_correction_rms vs Slug



Right In: 3169.860+/-0.531 χ^2 /NDF: 4492999.3/31

Left Out: 2002.229+/-0.326 χ^2 /NDF: 892706.8/24

Right Out: 3101.166+/-0.514 χ^2 /NDF: 6299494.3/36

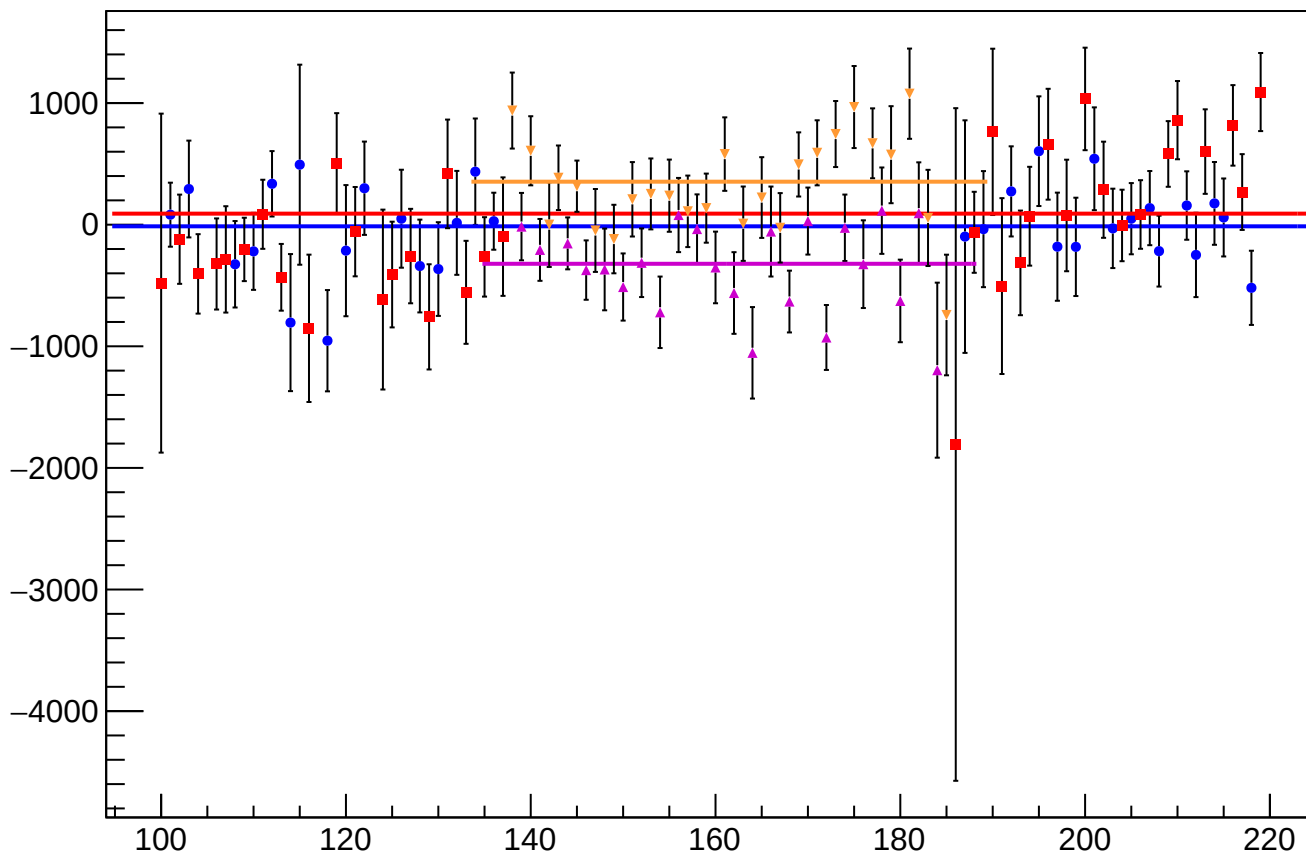
Left In: 2004.244+/-0.335 χ^2 /NDF: 704920.5/22

+ sign 2322.351+/-0.278 χ^2 /NDF: 8893450.9/56

All: 2326.921+/-0.198 χ^2 /NDF: 19093500.6/100

- sign 2331.579+/-0.281 χ^2 /NDF: 10199504.5/59

eigen_cor_asym_sam4_mean vs Slug



Right In: -13.458 ± 63.262 χ^2/NDF : 23.8/31

Left Out: 353.640 ± 60.149 χ^2/NDF : 32.3/24

Right Out: 90.815 ± 61.952 χ^2/NDF : 60.5/36

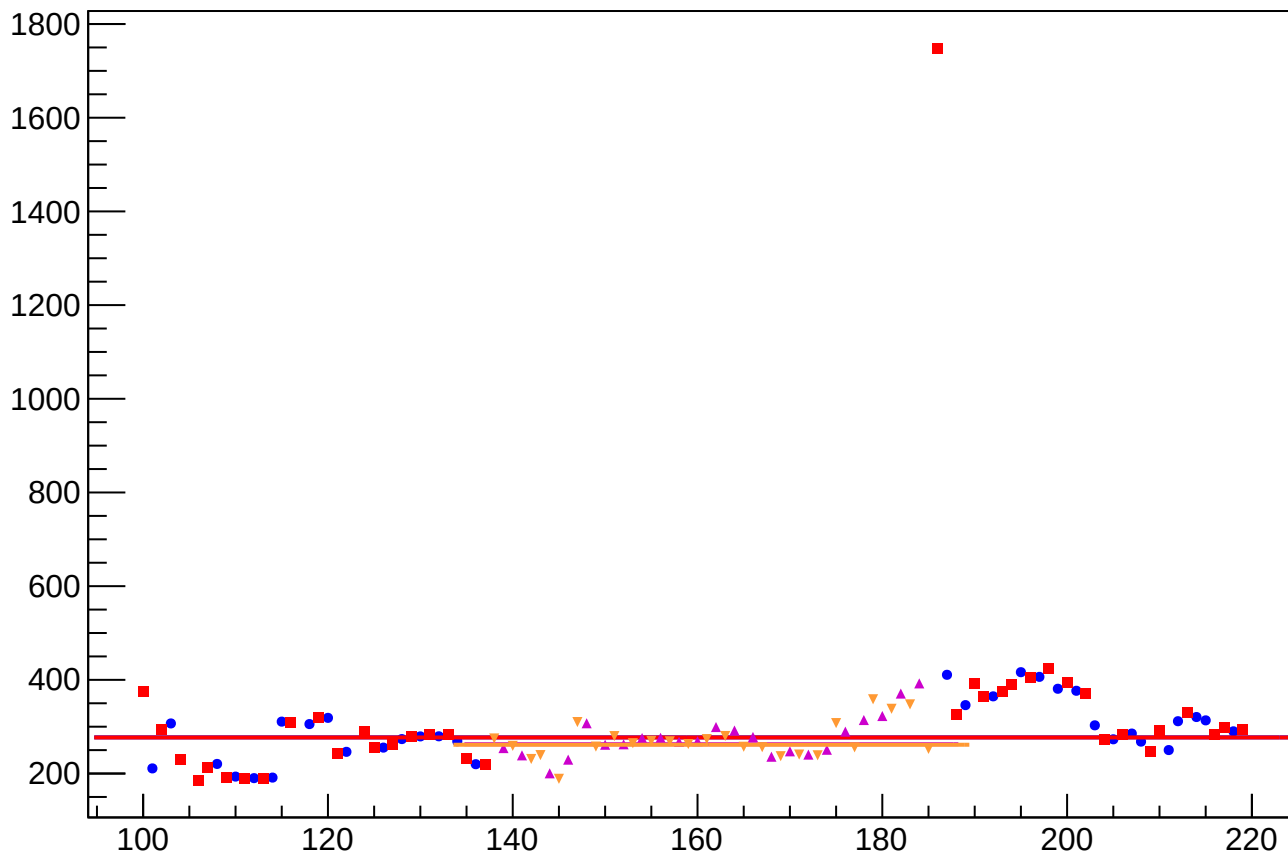
Left In: -321.514 ± 62.113 χ^2/NDF : 26.2/22

+ sign 179.345 ± 43.591 χ^2/NDF : 73.8/56

All: 33.183 ± 30.919 χ^2/NDF : 205.3/116

- sign -114.814 ± 43.864 χ^2/NDF : 108.8/59

eigen_cor_asym_sam4_rms vs Slug



Right In: 277.224+/-0.045 χ^2/NDF : 1658822.4/31

Left Out: 261.470+/-0.043 χ^2/NDF : 715467.9/24

Right Out: 277.012+/-0.044 χ^2/NDF : 2622446.9/36

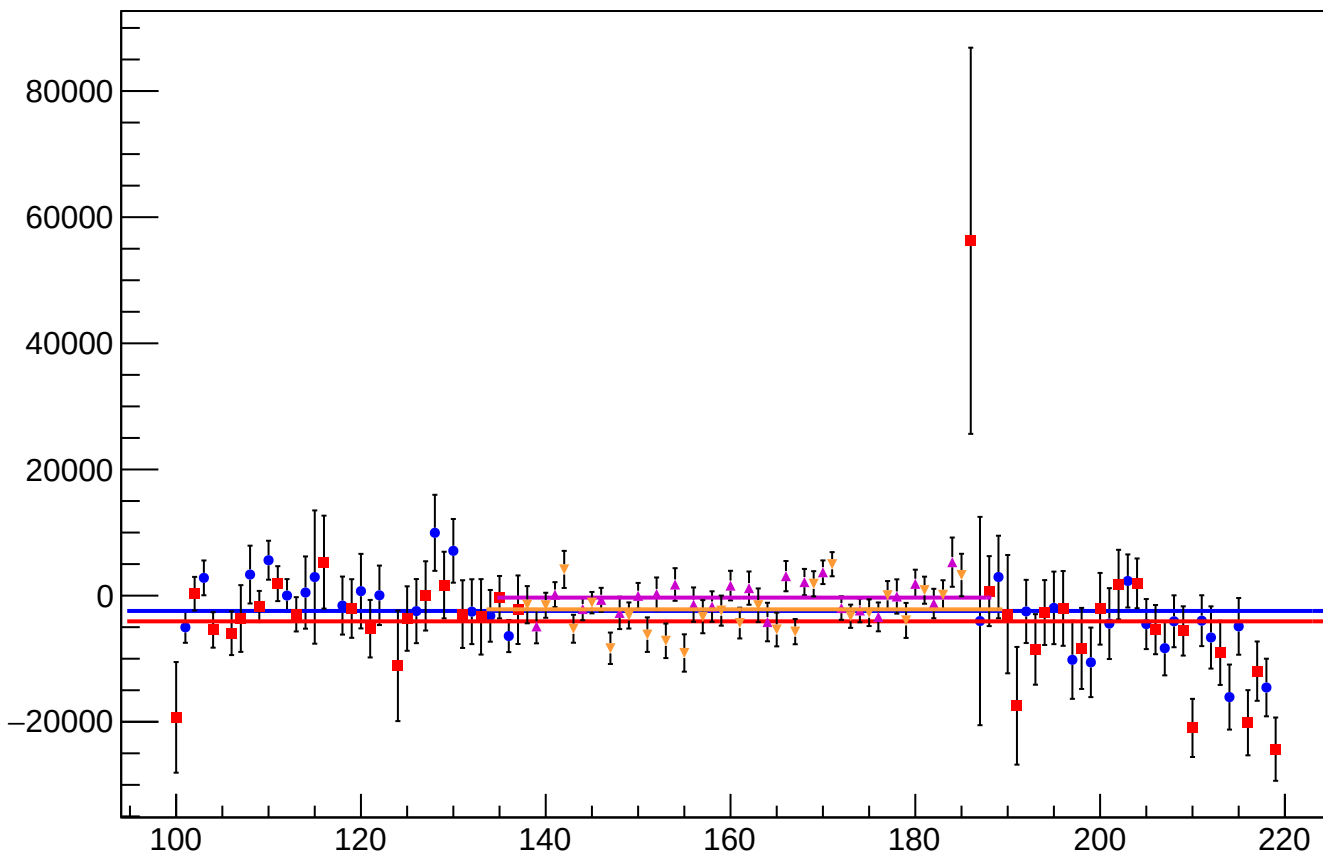
Left In: 262.616+/-0.044 χ^2/NDF : 670646.4/22

+ sign 268.950+/-0.031 χ^2/NDF : 2439436.3/56

All: 269.389+/-0.022 χ^2/NDF : 5786796.1/116

- sign 269.833+/-0.031 χ^2/NDF : 3346951.8/59

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -2429.030 $\pm$ 751.149 χ^2 /NDF: 48.7/31

Left Out: -2171.811 $\pm$ 461.649 χ^2 /NDF: 55.5/24

Right Out: -4075.574 $\pm$ 726.926 χ^2 /NDF: 72.7/36

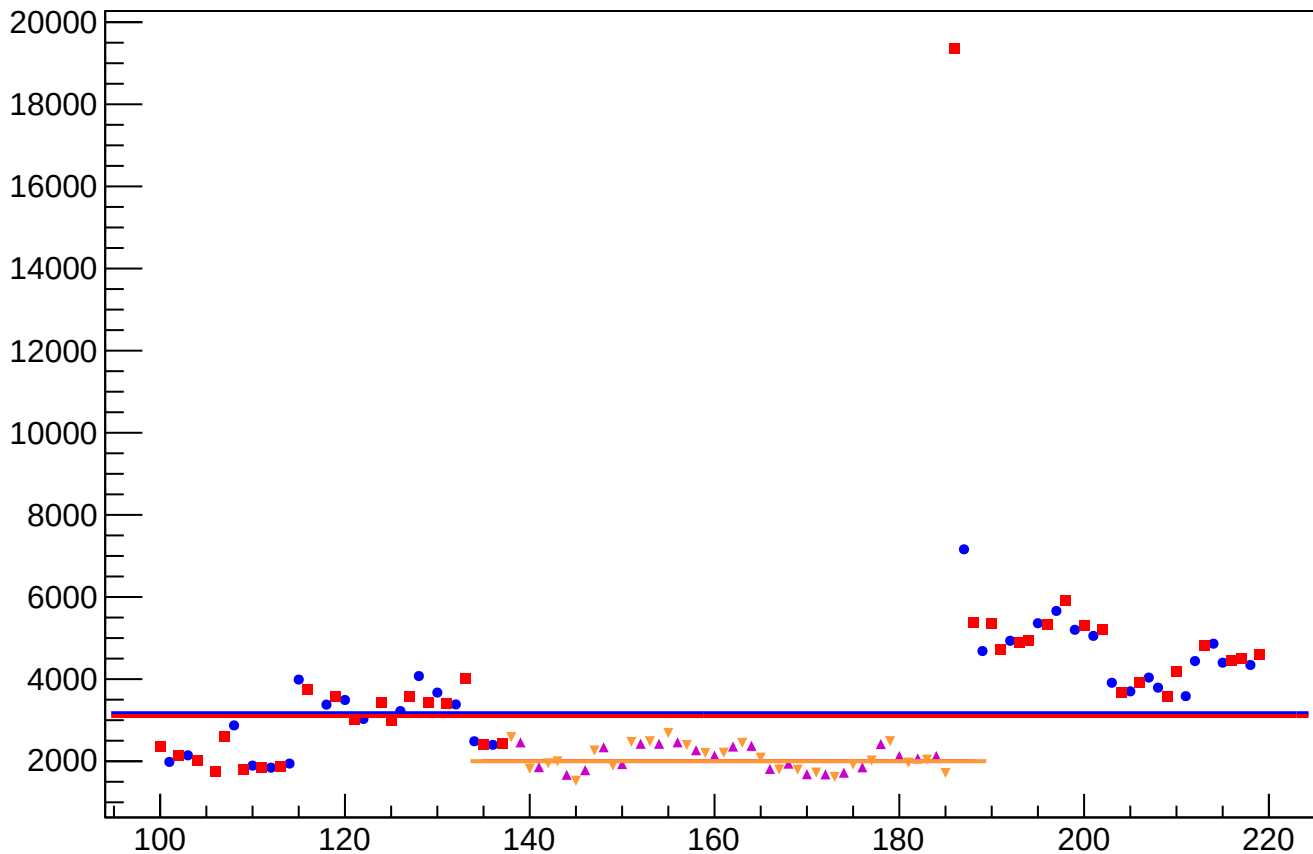
Left In: -313.745 $\pm$ 474.086 χ^2 /NDF: 23.7/22

+ sign -2242.331 $\pm$ 393.306 χ^2 /NDF: 104.3/56

All: -1843.192 $\pm$ 279.441 χ^2 /NDF: 221.6/116

- sign -1436.319 $\pm$ 397.099 χ^2 /NDF: 115.2/59

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 3169.860+/-0.531 χ^2/NDF : 4492999.3/31

Left Out: 2002.229+/-0.326 χ^2/NDF : 892706.8/24

Right Out: 3101.166+/-0.514 χ^2/NDF : 6299494.3/36

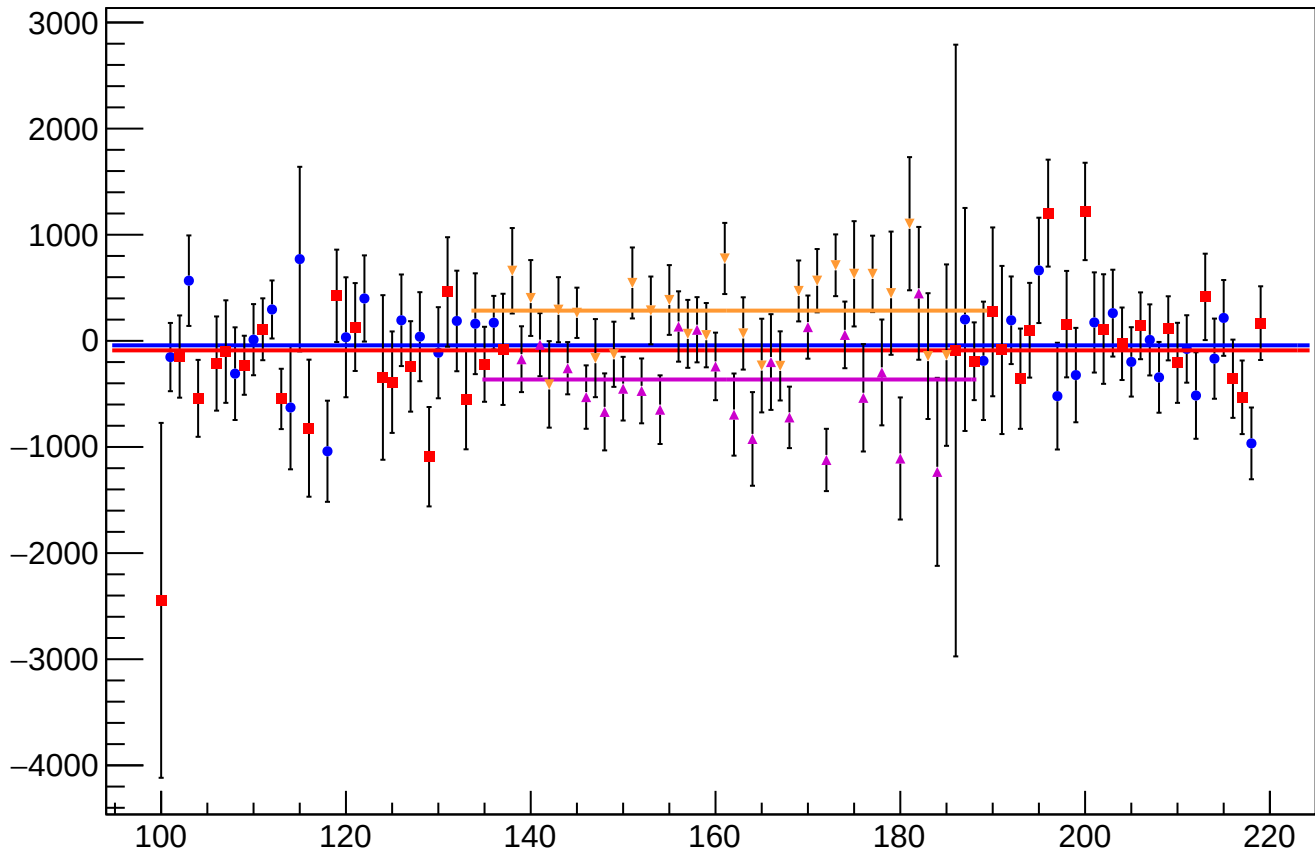
Left In: 2004.244+/-0.335 χ^2/NDF : 704920.5/22

+ sign 2322.351+/-0.278 χ^2/NDF : 8893450.9/56

All: 2326.921+/-0.198 χ^2/NDF : 19093500.6/100

- sign 2331.579+/-0.281 χ^2/NDF : 10199504.5/59

dit_asym_sam4_mean vs Slug



Right In: -42.279 ± 70.384 χ^2/NDF : 28.1/31

Left Out: 284.913 ± 70.036 χ^2/NDF : 22.8/24

Right Out: -89.703 ± 68.361 χ^2/NDF : 38.7/36

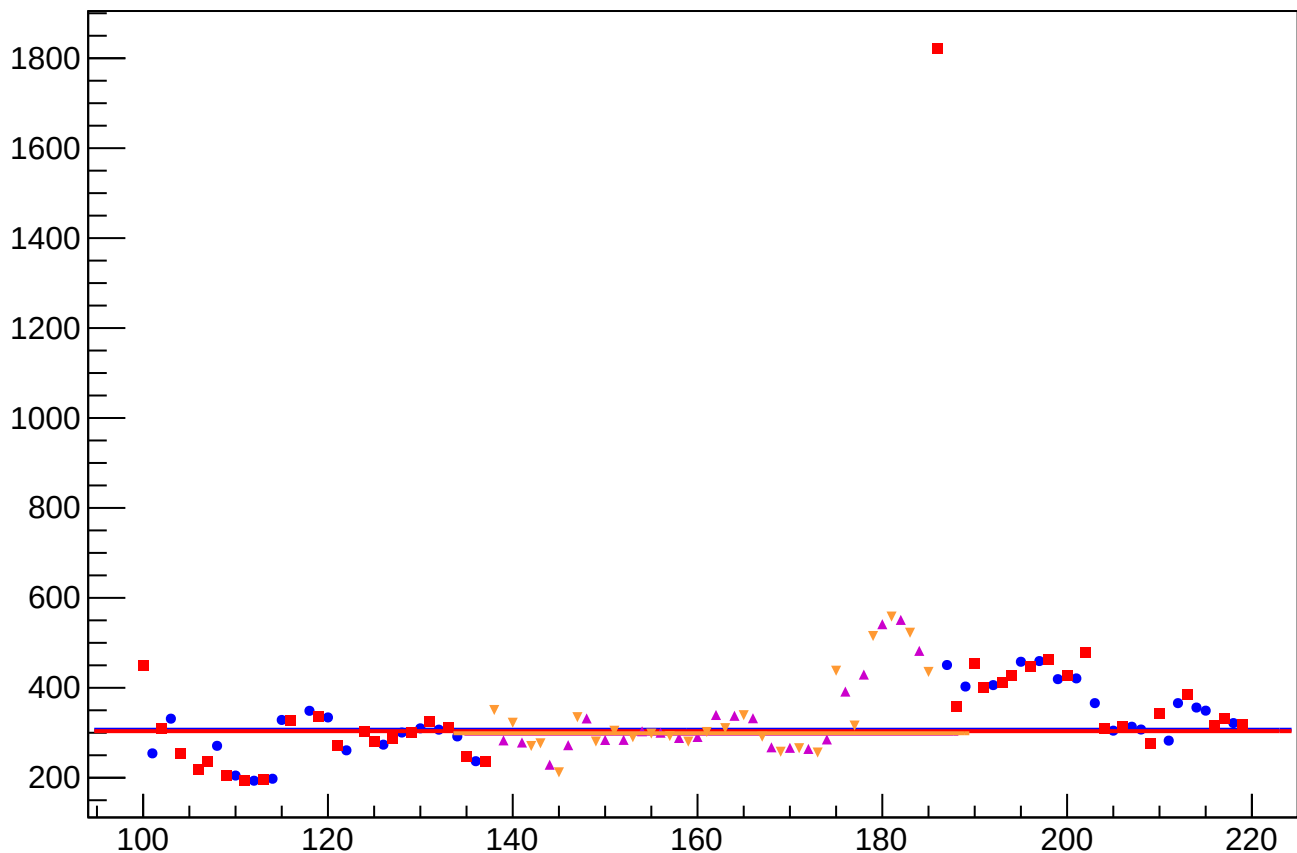
Left In: -364.163 ± 71.714 χ^2/NDF : 28.2/22

+ sign 122.127 ± 49.646 χ^2/NDF : 61.8/56

All: -49.688 ± 35.047 χ^2/NDF : 160.2/116

- sign -220.368 ± 49.481 χ^2/NDF : 74.5/59

dit_asym_sam4_rms vs Slug



Right In: 306.780 $\pm$ 0.050 χ^2 /NDF: 1876317.6/31

Left Out: 298.938 $\pm$ 0.050 χ^2 /NDF:1613077.3/24

Right Out: 303.589 $\pm$ 0.048 χ^2 /NDF: 2955513.3/36

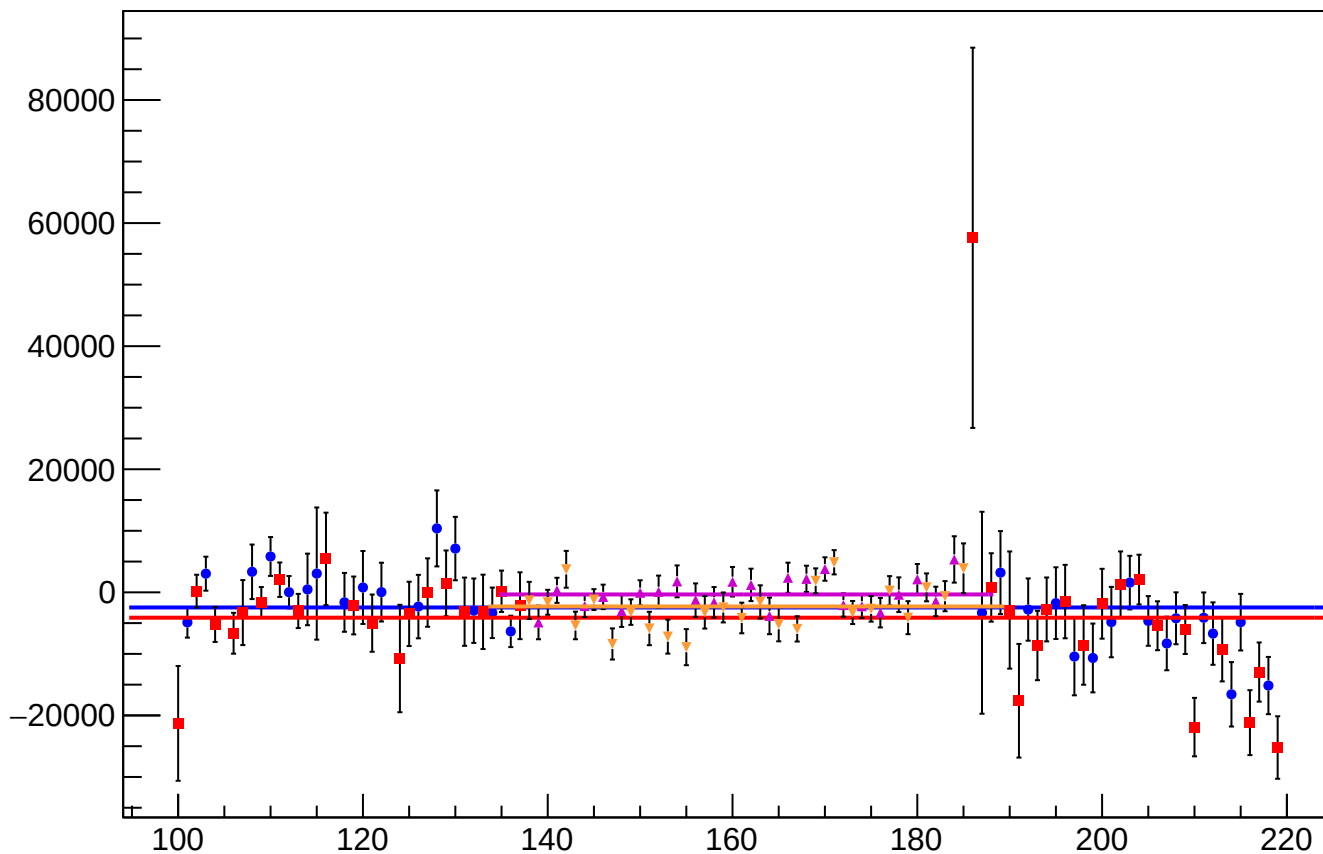
Left In: 297.885 $\pm$ 0.051 χ^2 /NDF:1319062.0/22

+ sign 302.840 $\pm$ 0.035 χ^2 /NDF: 3501871.5/56

All: 301.853 $\pm$ 0.025 χ^2 /NDF: 7784648.3/116

- sign 300.873 $\pm$ 0.035 χ^2 /NDF: 4281202.8/59

asym_sam4_dit_correction_mean vs Slug



Right In: -2457.898 ± 760.453 $\chi^2/\text{NDF}: 49.3/31$

Left Out: -2290.992 ± 470.518 $\chi^2/\text{NDF}: 51.7/24$

Right Out: -4121.180 ± 733.093 $\chi^2/\text{NDF}: 76.9/36$

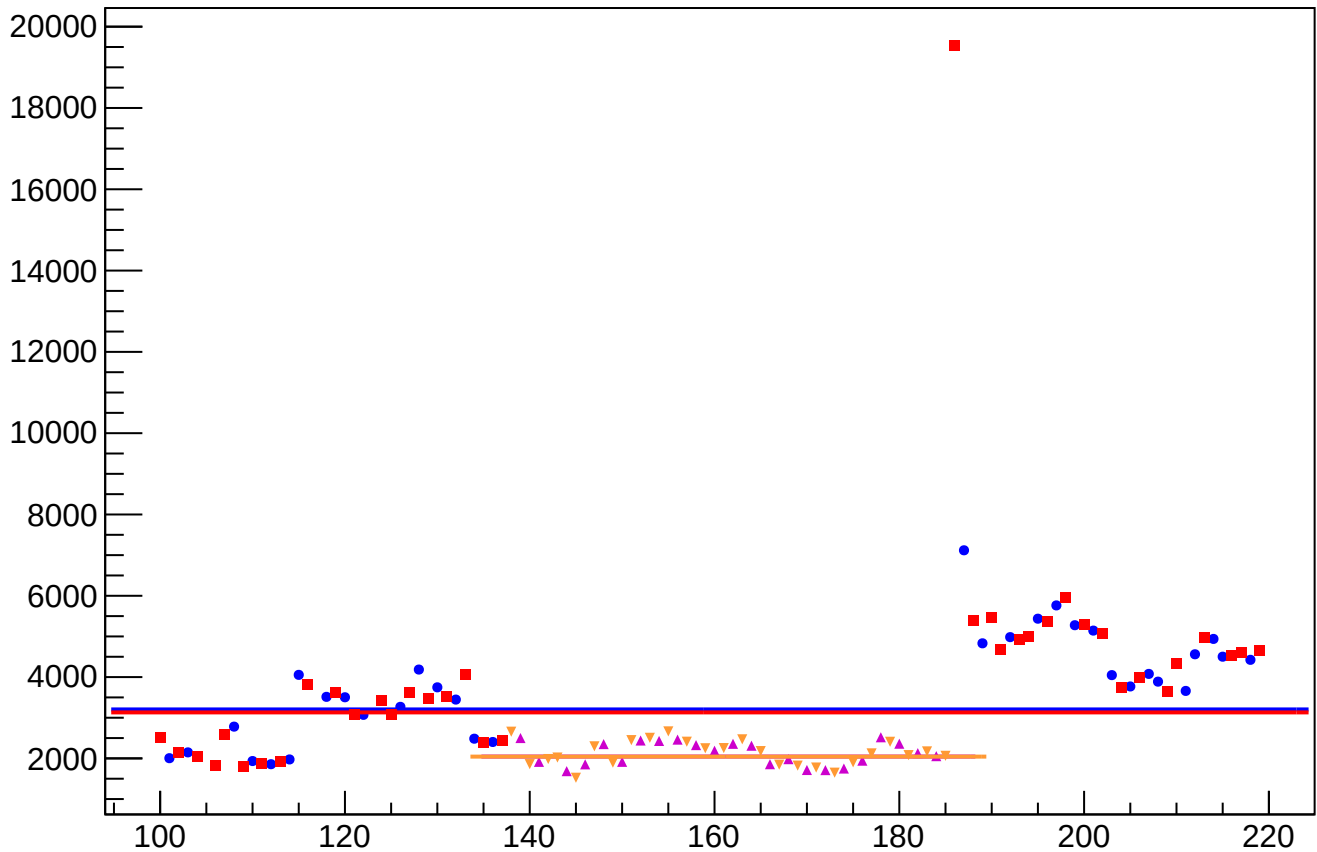
Left In: -342.609 ± 483.605 $\chi^2/\text{NDF}: 22.8/22$

+ sign -2337.199 ± 400.121 $\chi^2/\text{NDF}: 101.0/56$

All: -1916.534 ± 284.179 $\chi^2/\text{NDF}: 221.5/116$

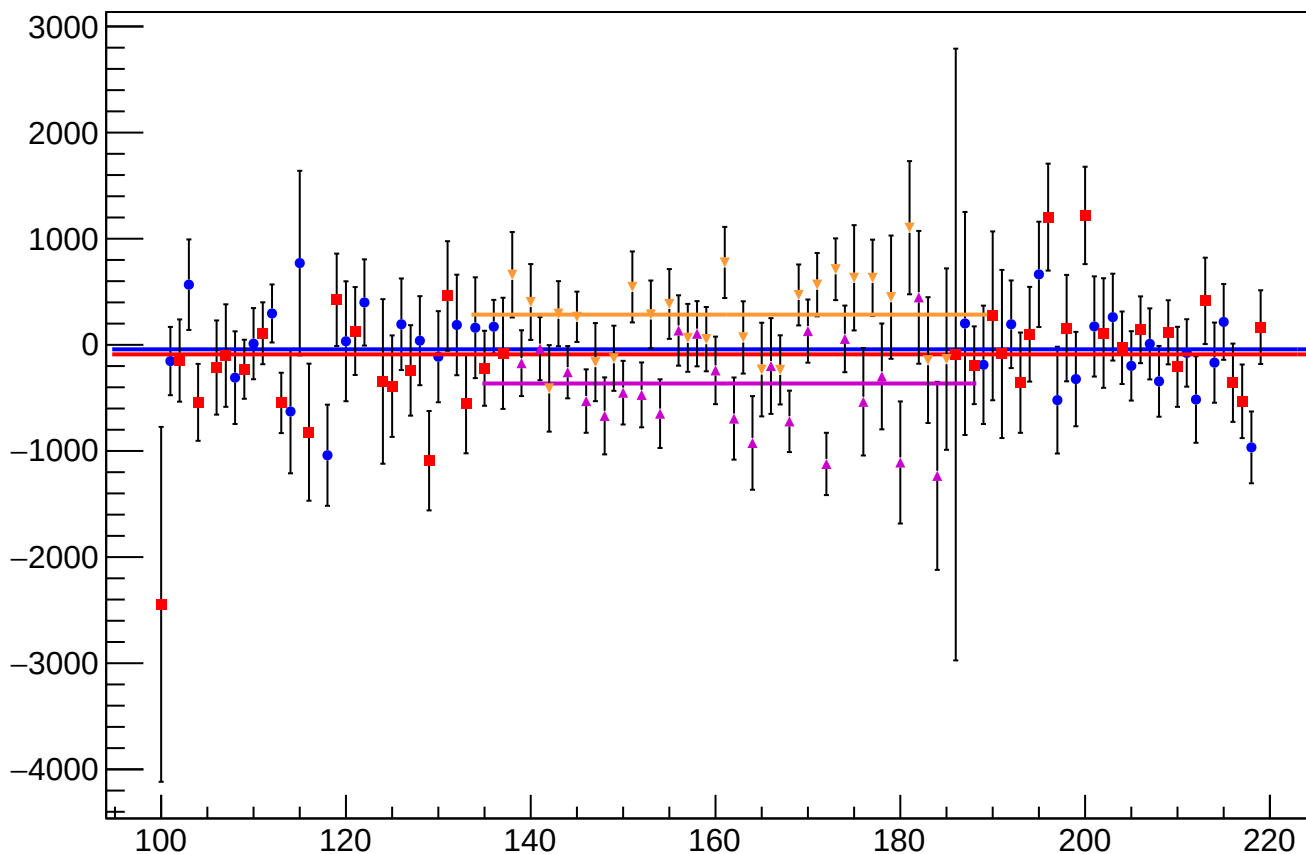
- sign -1488.350 ± 403.681 $\chi^2/\text{NDF}: 118.2/59$

asym_sam4_dit_correction_rms vs Slug



Right In: 3204.511 ± 0.538 $\chi^2/\text{NDF}: 4621275.2/31$ + sign 2365.098 ± 0.283 $\chi^2/\text{NDF}: 8844472.5/56$
 Left Out: 2043.746 ± 0.333 $\chi^2/\text{NDF}: 853391.4/24$ All: 2369.767 ± 0.201 $\chi^2/\text{NDF}: 18917917.2/1$
 Right Out: 3131.322 ± 0.518 $\chi^2/\text{NDF}: 6323659.8/36$ - sign 2374.519 ± 0.285 $\chi^2/\text{NDF}: 10072895.2/59$
 Left In: 2045.178 ± 0.342 $\chi^2/\text{NDF}: 690219.7/22$

eigen_dit_asym_sam4_mean vs Slug



Right In: -42.273 ± 70.384 χ^2/NDF : 28.1/31

Left Out: 284.918 ± 70.036 χ^2/NDF : 22.8/24

Right Out: -89.696 ± 68.361 χ^2/NDF : 38.7/36

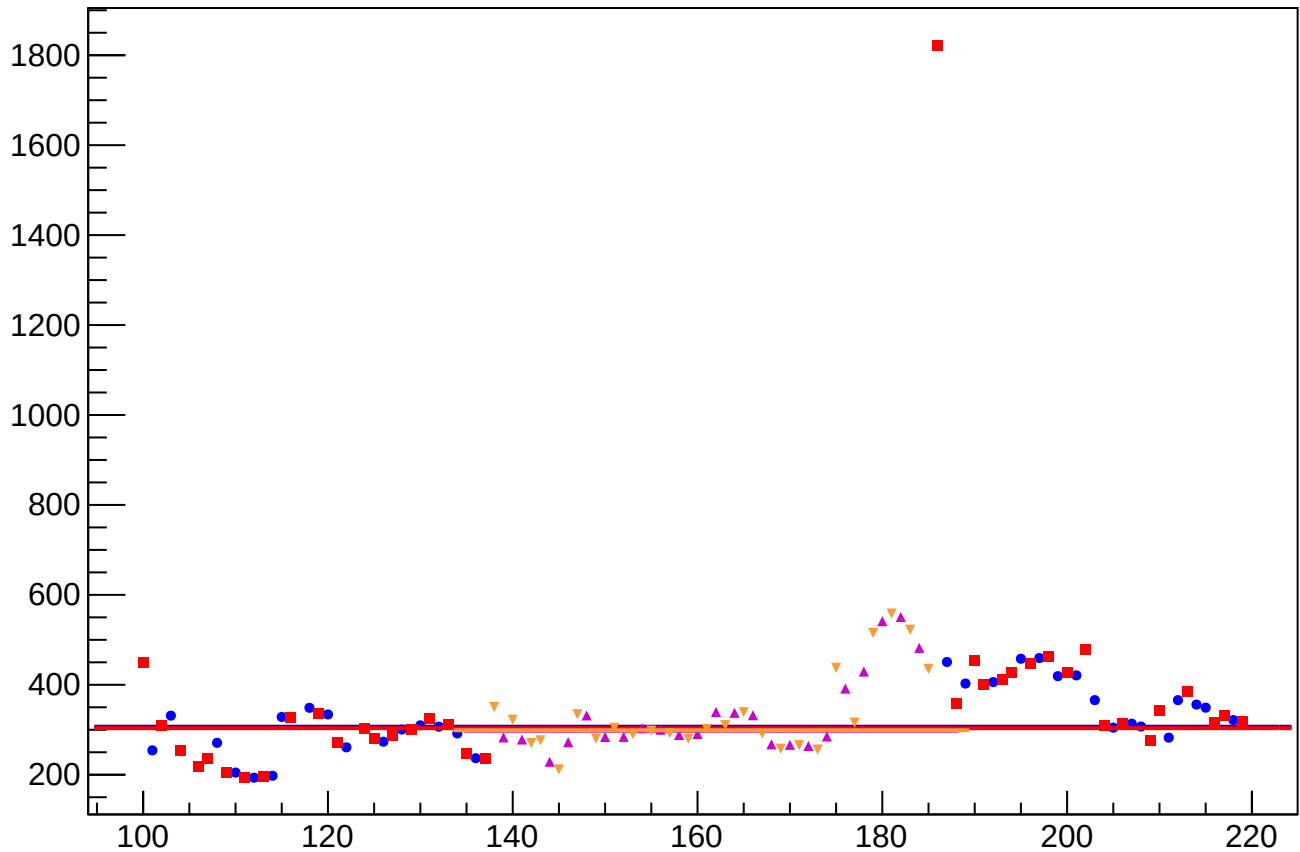
Left In: -364.164 ± 71.714 χ^2/NDF : 28.2/22

+ sign 122.132 ± 49.646 χ^2/NDF : 61.8/56

All: -49.684 ± 35.047 χ^2/NDF : 160.2/116

- sign -220.365 ± 49.481 χ^2/NDF : 74.6/59

eigen_dit_asym_sam4_rms vs Slug



Right In: 306.780 $\pm$ 0.050 χ^2 /NDF: 1876297.4/31

Left Out: 298.938 $\pm$ 0.050 χ^2 /NDF:1613074.5/24

Right Out: 303.588 $\pm$ 0.048 χ^2 /NDF: 2955514.0/36

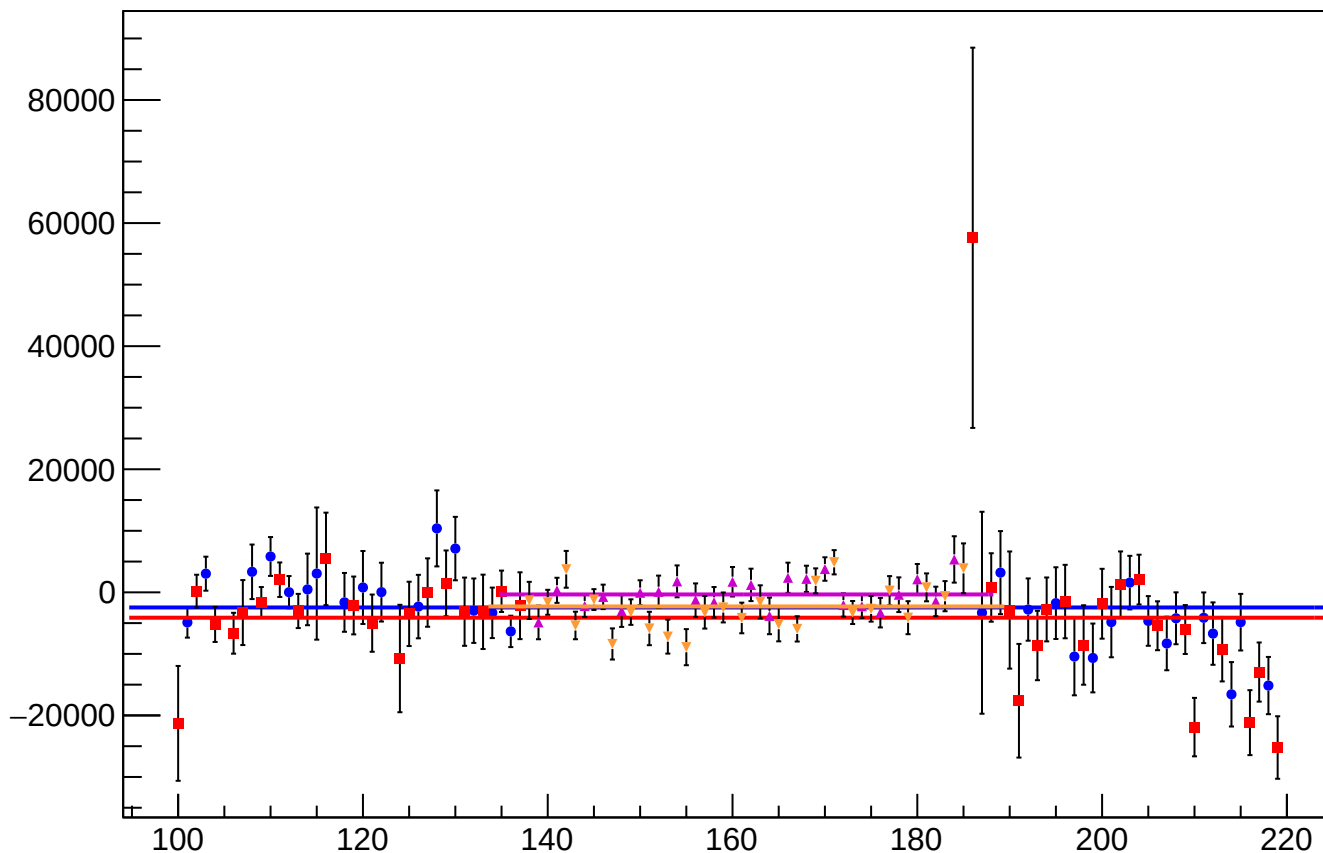
Left In: 297.885 $\pm$ 0.051 χ^2 /NDF:1319043.7/22

+ sign 302.840 $\pm$ 0.035 χ^2 /NDF: 3501847.2/56

All: 301.853 $\pm$ 0.025 χ^2 /NDF: 7784605.6/116

- sign 300.873 $\pm$ 0.035 χ^2 /NDF: 4281184.4/59

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -2457.896 ± 760.452 $\chi^2/\text{NDF}: 49.3/31$

Left Out: -2290.986 ± 470.517 $\chi^2/\text{NDF}: 51.7/24$

Right Out: -4121.175 ± 733.092 $\chi^2/\text{NDF}: 76.9/36$

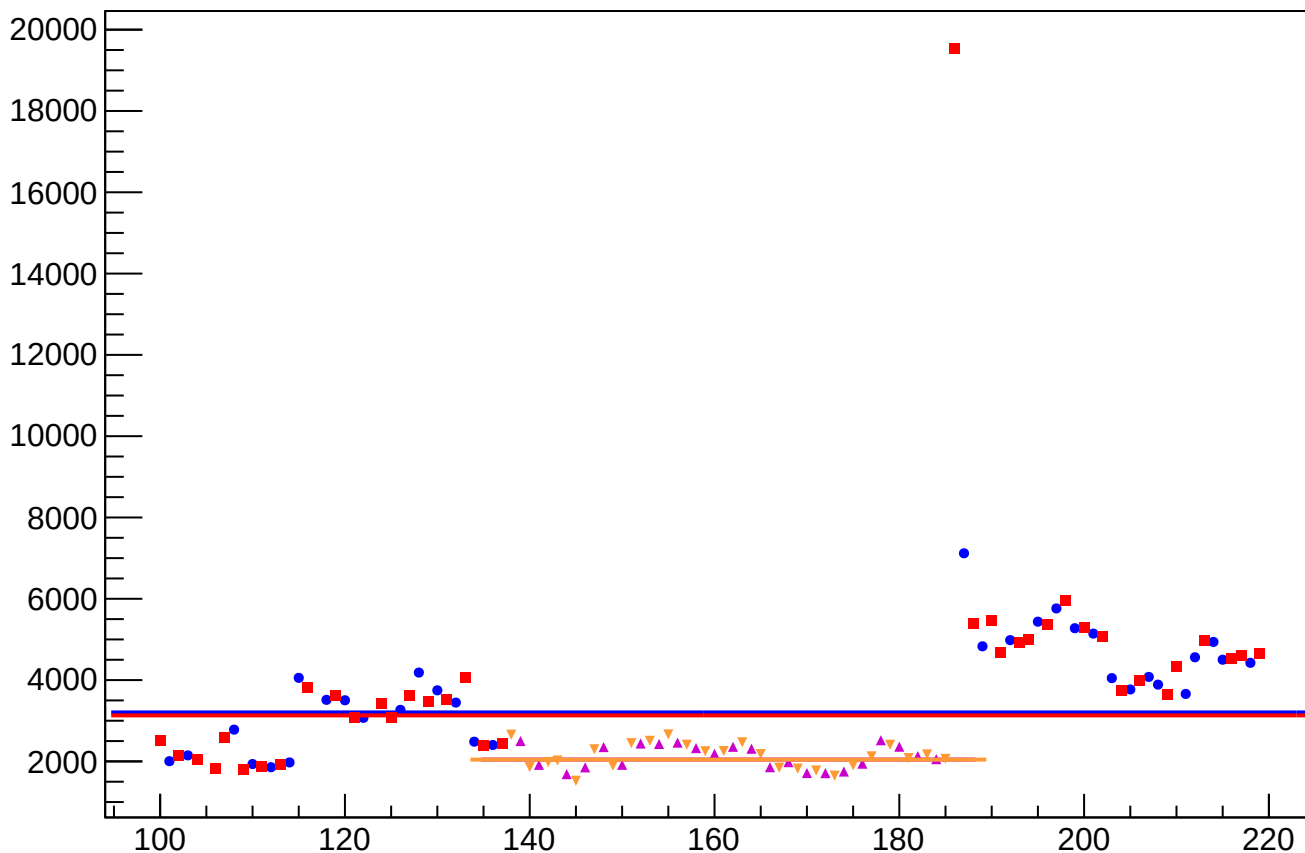
Left In: -342.606 ± 483.604 $\chi^2/\text{NDF}: 22.8/22$

+ sign -2337.194 ± 400.120 $\chi^2/\text{NDF}: 101.0/56$

All: -1916.529 ± 284.178 $\chi^2/\text{NDF}: 221.5/116$

- sign -1488.345 ± 403.681 $\chi^2/\text{NDF}: 118.2/59$

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 3204.509 ± 0.538 $\chi^2/\text{NDF}: 4621272.1/31$

Left Out: 2043.742 ± 0.333 $\chi^2/\text{NDF}: 853393.7/24$

Right Out: 3131.319 ± 0.518 $\chi^2/\text{NDF}: 6323654.8/36$

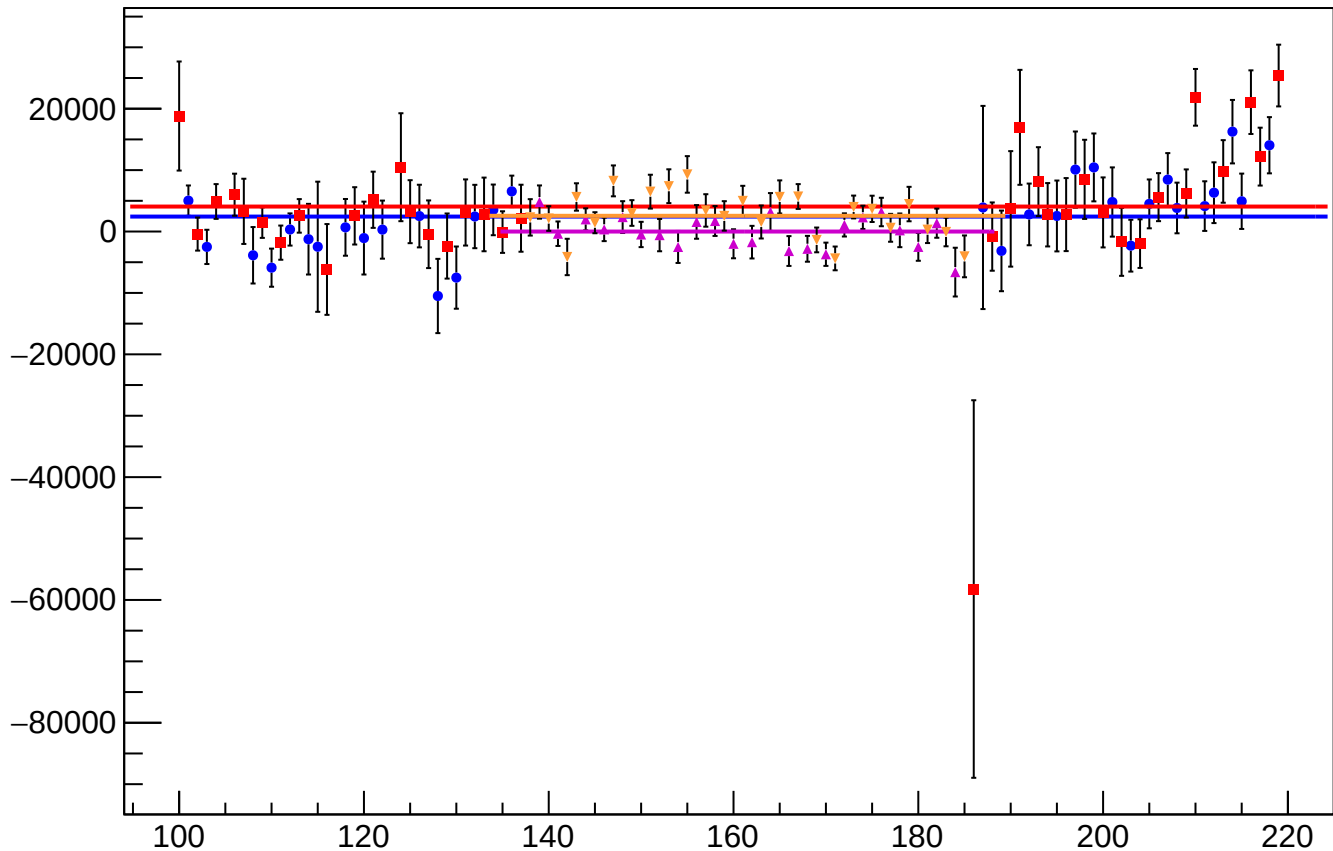
Left In: 2045.175 ± 0.342 $\chi^2/\text{NDF}: 690218.2/22$

+ sign 2365.095 ± 0.283 $\chi^2/\text{NDF}: 8844483.3/56$

All: 2369.764 ± 0.201 $\chi^2/\text{NDF}: 18917930.7/1$

- sign 2374.516 ± 0.285 $\chi^2/\text{NDF}: 10072897.9/59$

asym_sam4_mean vs Slug



Right In: 2433.993 ± 754.527 χ^2/NDF : 49.2/31

Left Out: 2559.048 ± 465.944 χ^2/NDF : 52.7/24

Right Out: 4066.026 ± 729.621 χ^2/NDF : 78.0/36

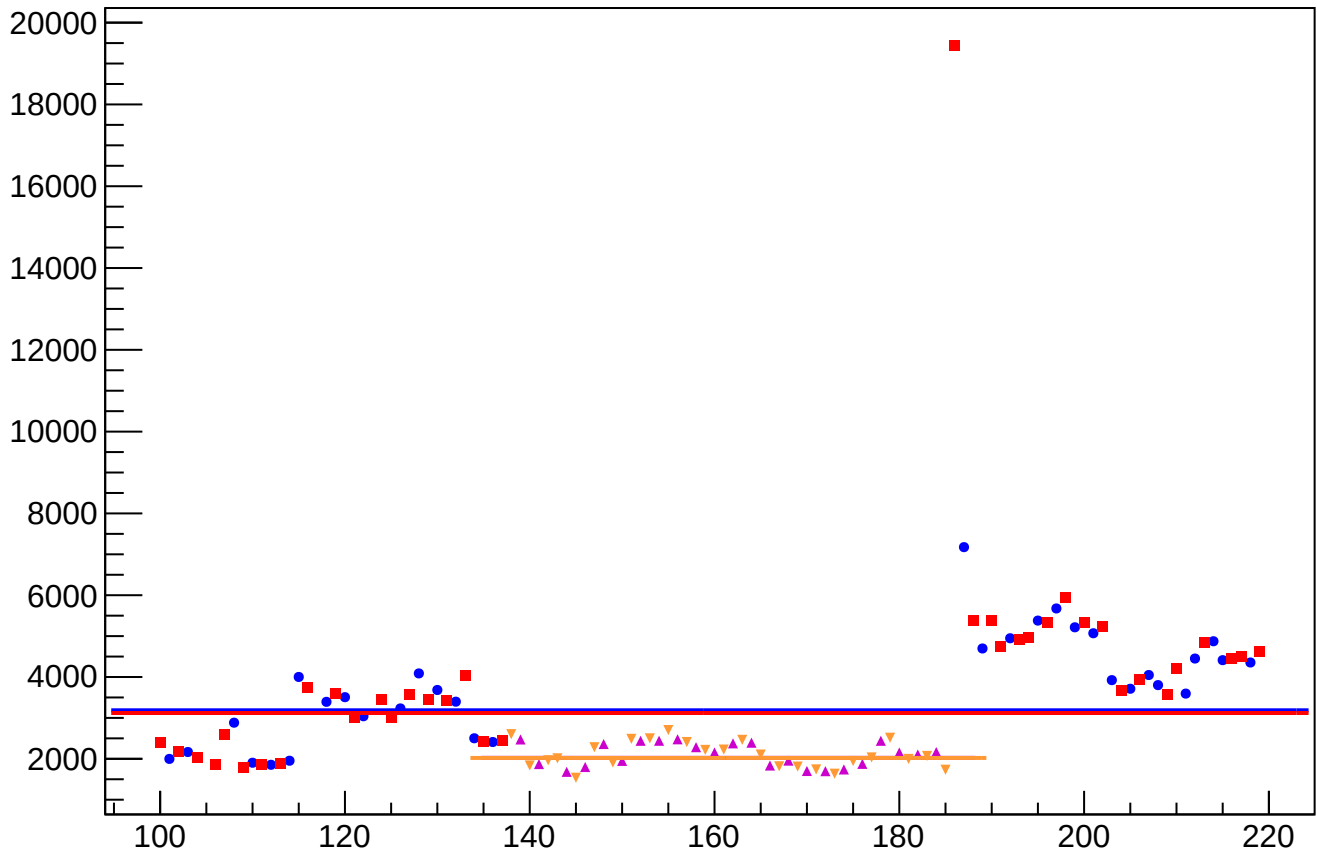
Left In: -3.474 ± 478.514 χ^2/NDF : 24.7/22

+ sign 2524.524 ± 396.445 χ^2/NDF : 101.9/56

All: 1878.539 ± 281.625 χ^2/NDF : 231.6/116

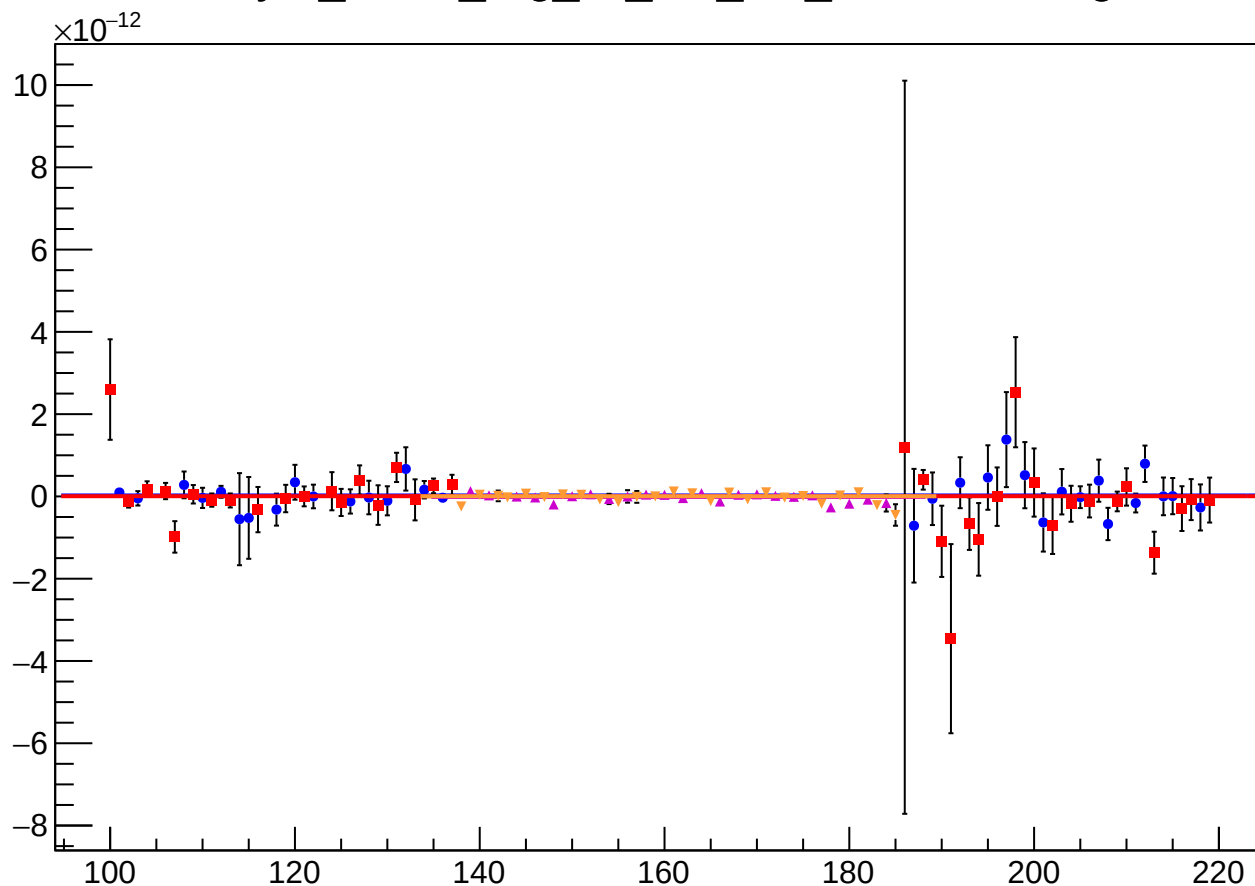
- sign 1220.469 ± 400.136 χ^2/NDF : 124.4/59

asym_sam4_rms vs Slug



Right In: 3185.927+/-0.534	χ^2/NDF : 4453528.1/31	+ sign 2342.792+/-0.280	χ^2/NDF : 8784567.5/56
Left Out: 2021.266+/-0.329	χ^2/NDF : 881370.9/24	All: 2347.930+/-0.199	χ^2/NDF : 18857425.8/1
Right Out: 3120.108+/-0.516	χ^2/NDF : 6215771.5/36	- sign 2353.165+/-0.283	χ^2/NDF : 10072180.1/59
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 : 17.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 32.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 45.7/36

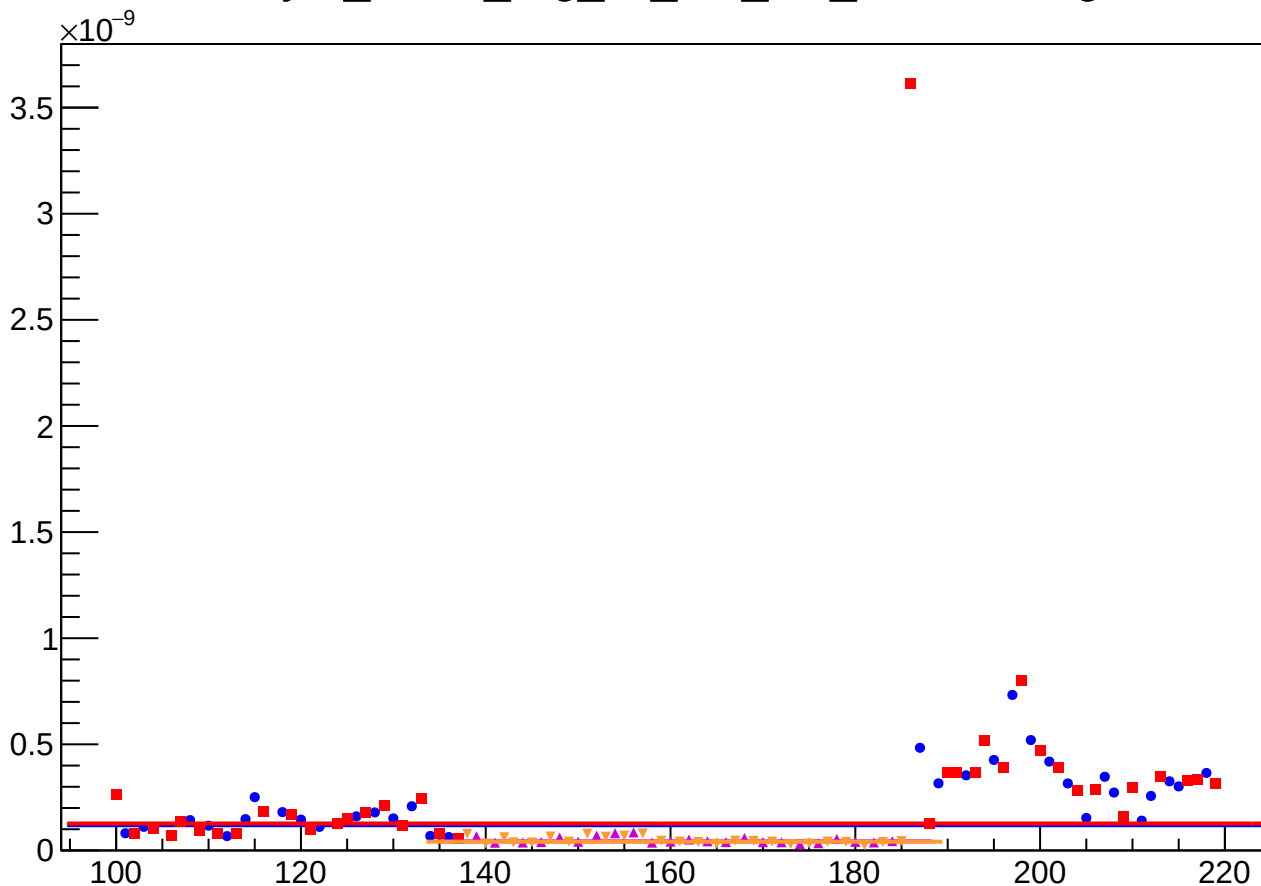
Left In: -0.000+/-0.000 χ^2/NDF : 20.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 49.5/56

All: -0.000+/-0.000 χ^2/NDF : 116.7/116

- sign -0.000+/-0.000 χ^2/NDF : 66.6/59

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6205256.6/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :1235677.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6155754.5/36

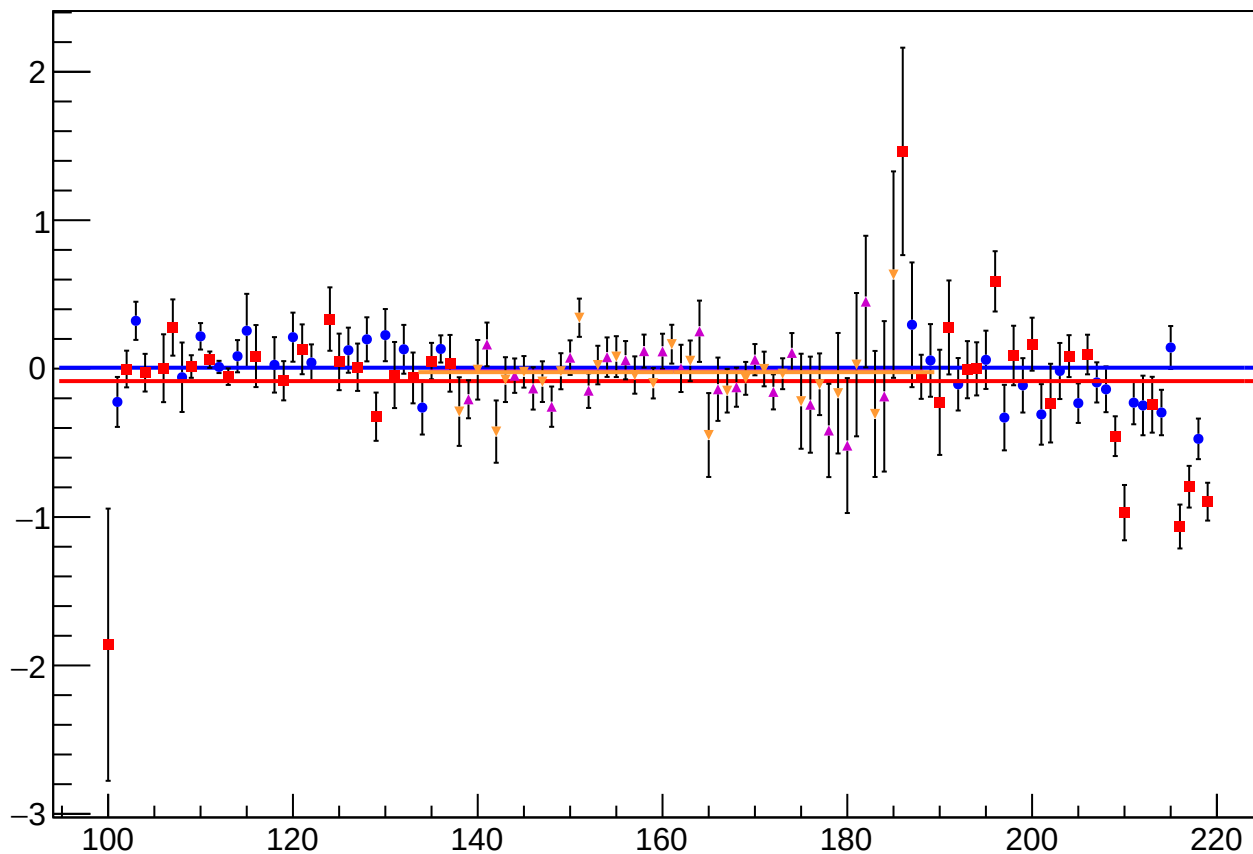
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :931395.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 12197510.7/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 24363456.7/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 12138446.2/59

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.023 χ^2/NDF : 57.3/31

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: -0.084 ± 0.022 χ^2/NDF : 192.9/36

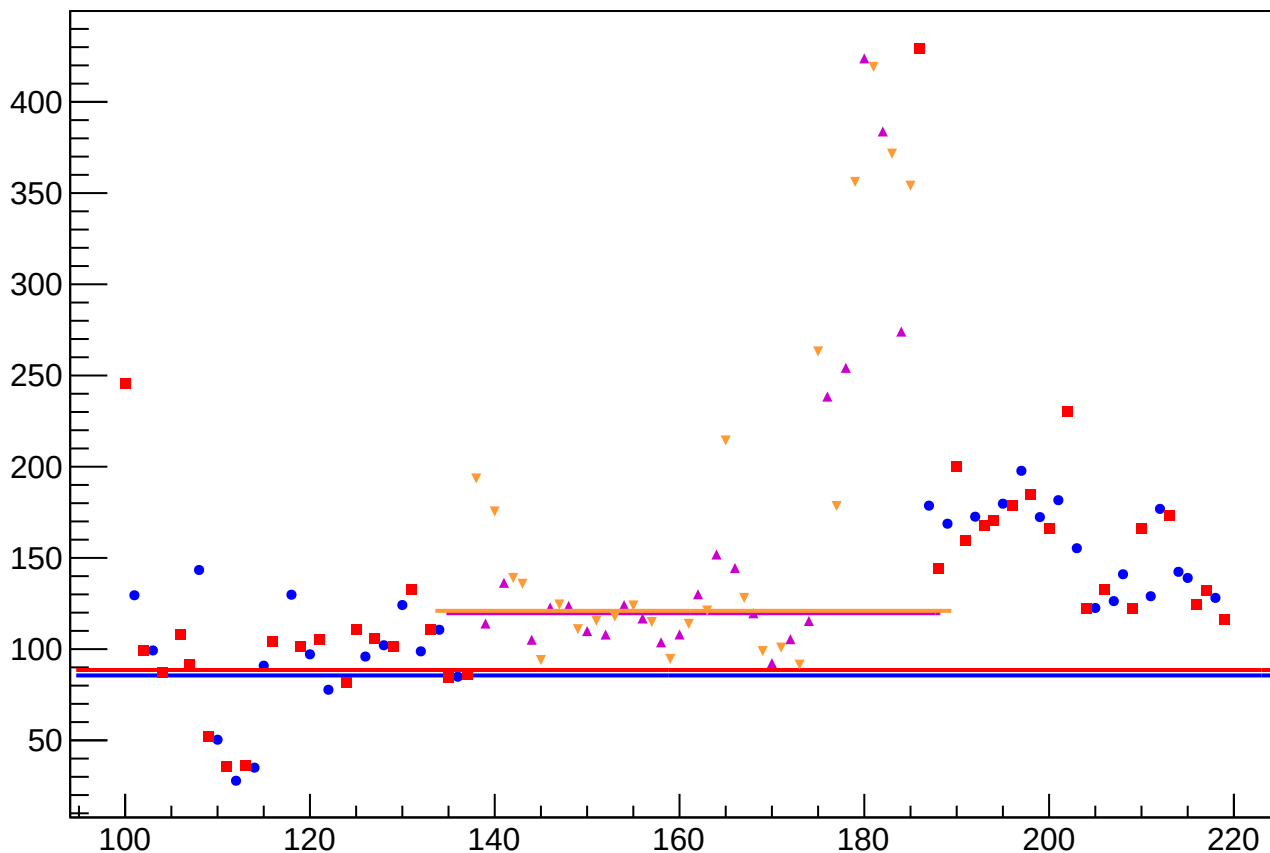
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign -0.005 ± 0.018 χ^2/NDF : 80.1/56

All: -0.033 ± 0.013 χ^2/NDF : 303.8/116

- sign -0.061 ± 0.018 χ^2/NDF : 218.9/59

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 85.575+/-0.016 χ^2/NDF : 10158294.9/31

Left Out: 120.999+/-0.021 χ^2/NDF : 4095266.9/24

Right Out: 88.566+/-0.016 χ^2/NDF : 9621306.1/36

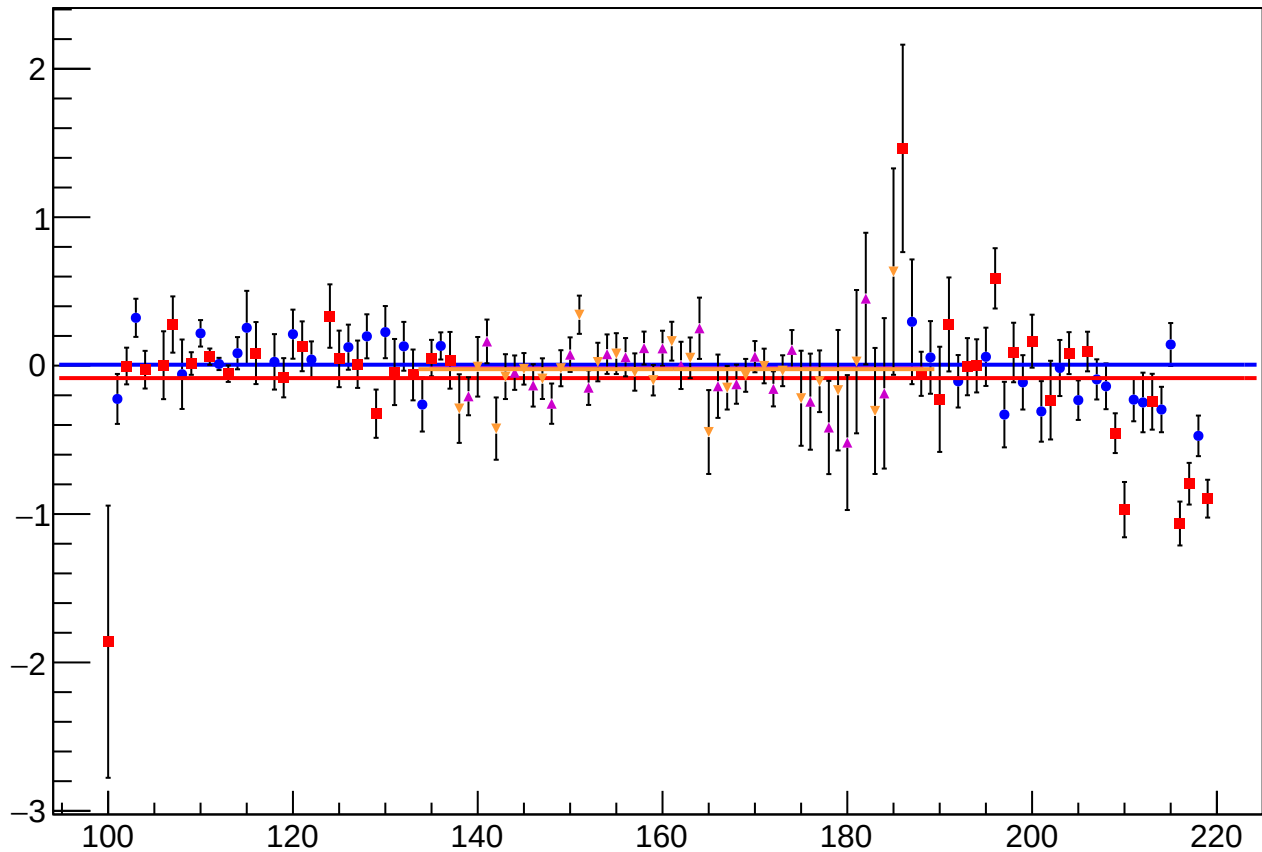
Left In: 119.679+/-0.021 χ^2/NDF : 2838257.9/22

+ sign 98.605+/-0.013 χ^2/NDF : 16027909.8/56

All: 99.120+/-0.009 χ^2/NDF : 29856424.5/116

- sign 99.628+/-0.013 χ^2/NDF : 13825312.1/59

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.023 χ^2/NDF : 57.3/31

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: -0.084 ± 0.022 χ^2/NDF : 192.9/36

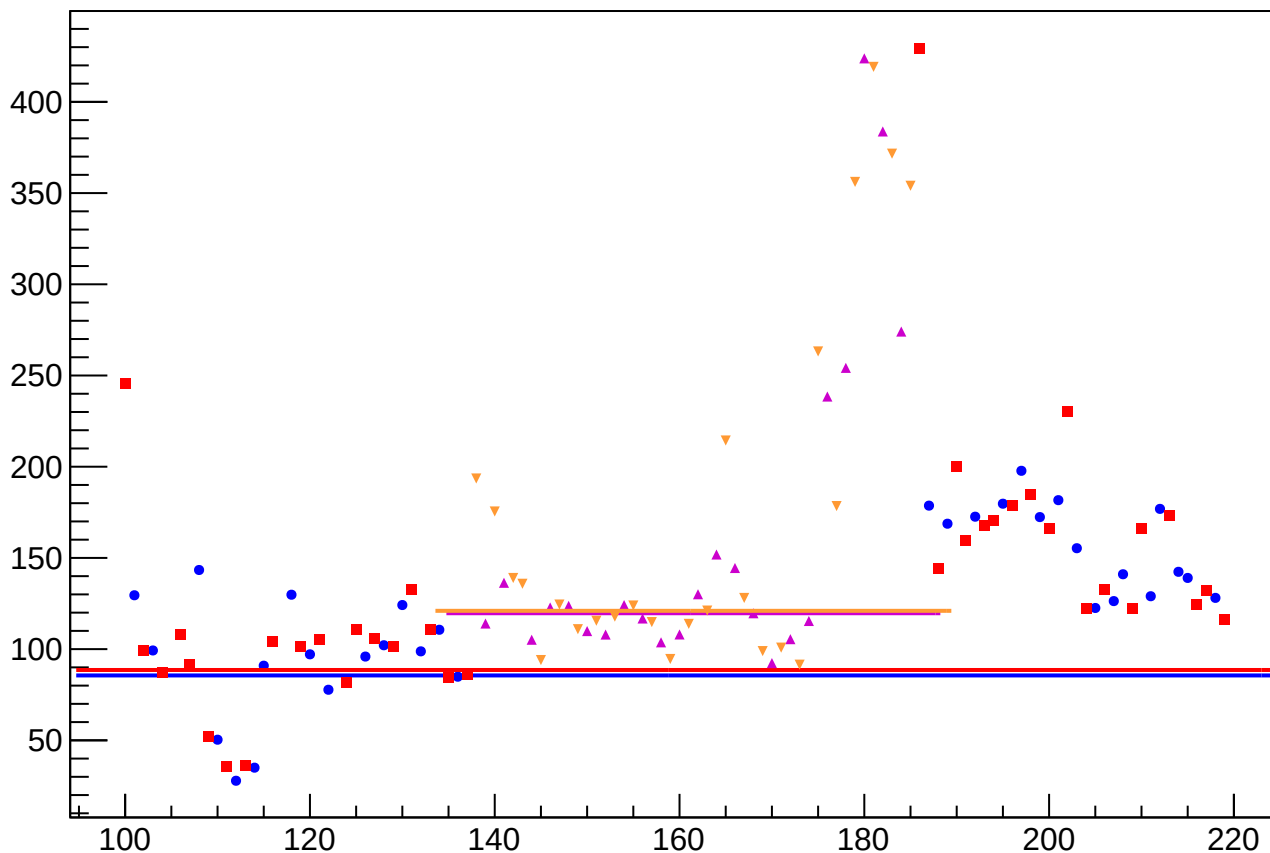
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign -0.005 ± 0.018 χ^2/NDF : 80.1/56

All: -0.033 ± 0.013 χ^2/NDF : 303.8/116

- sign -0.061 ± 0.018 χ^2/NDF : 218.9/59

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.575 ± 0.016 $\chi^2/\text{NDF}: 10158294.9/31$

Left Out: 120.999 ± 0.021 $\chi^2/\text{NDF}: 4095266.9/24$

Right Out: 88.566 ± 0.016 $\chi^2/\text{NDF}: 9621306.1/36$

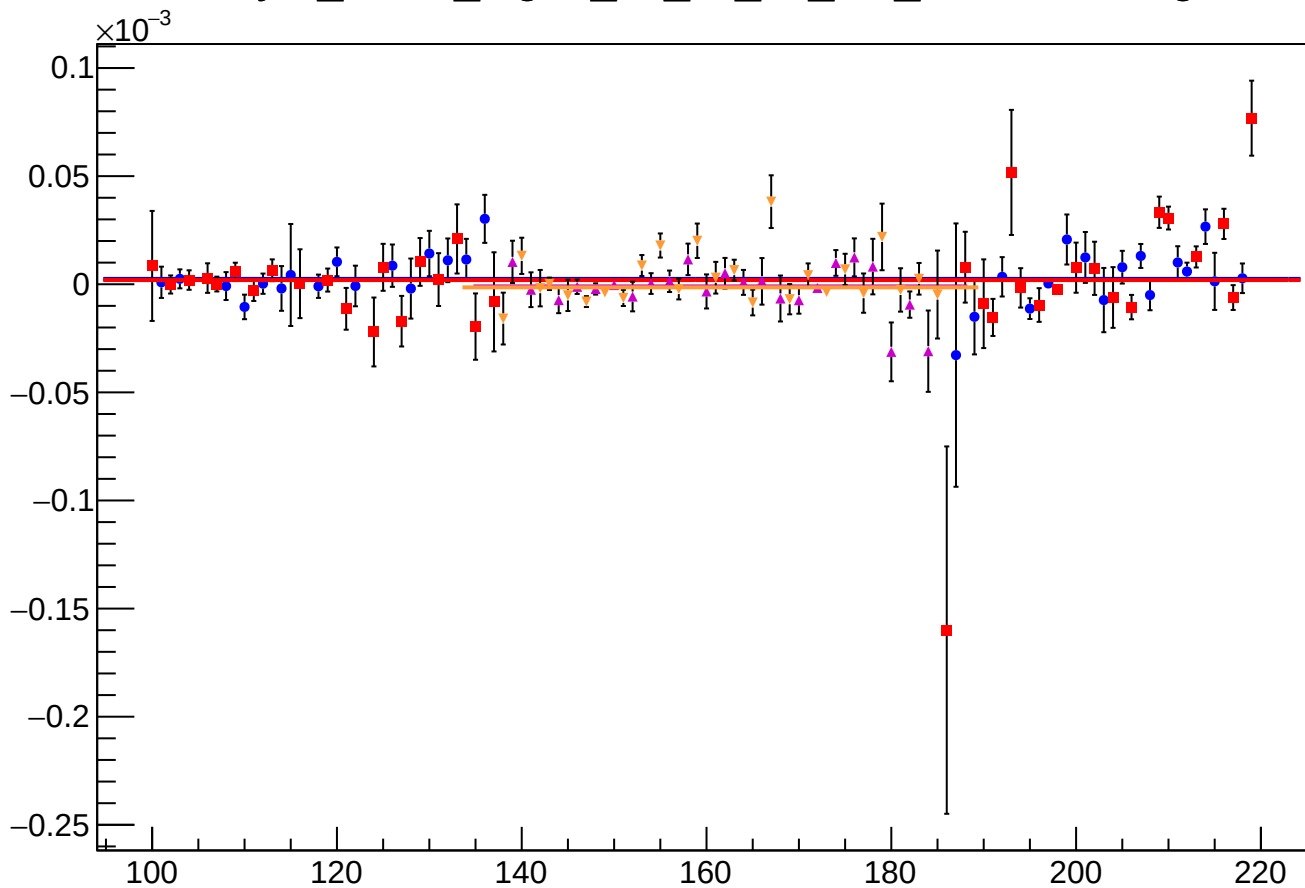
Left In: 119.679 ± 0.021 $\chi^2/\text{NDF}: 2838257.9/22$

+ sign 98.605 ± 0.013 $\chi^2/\text{NDF}: 16027909.8/56$

All: 99.120 ± 0.009 $\chi^2/\text{NDF}: 29856424.5/116$

- sign 99.628 ± 0.013 $\chi^2/\text{NDF}: 13825312.1/59$

asym_sam4_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 47.8/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:60.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 127.2/36

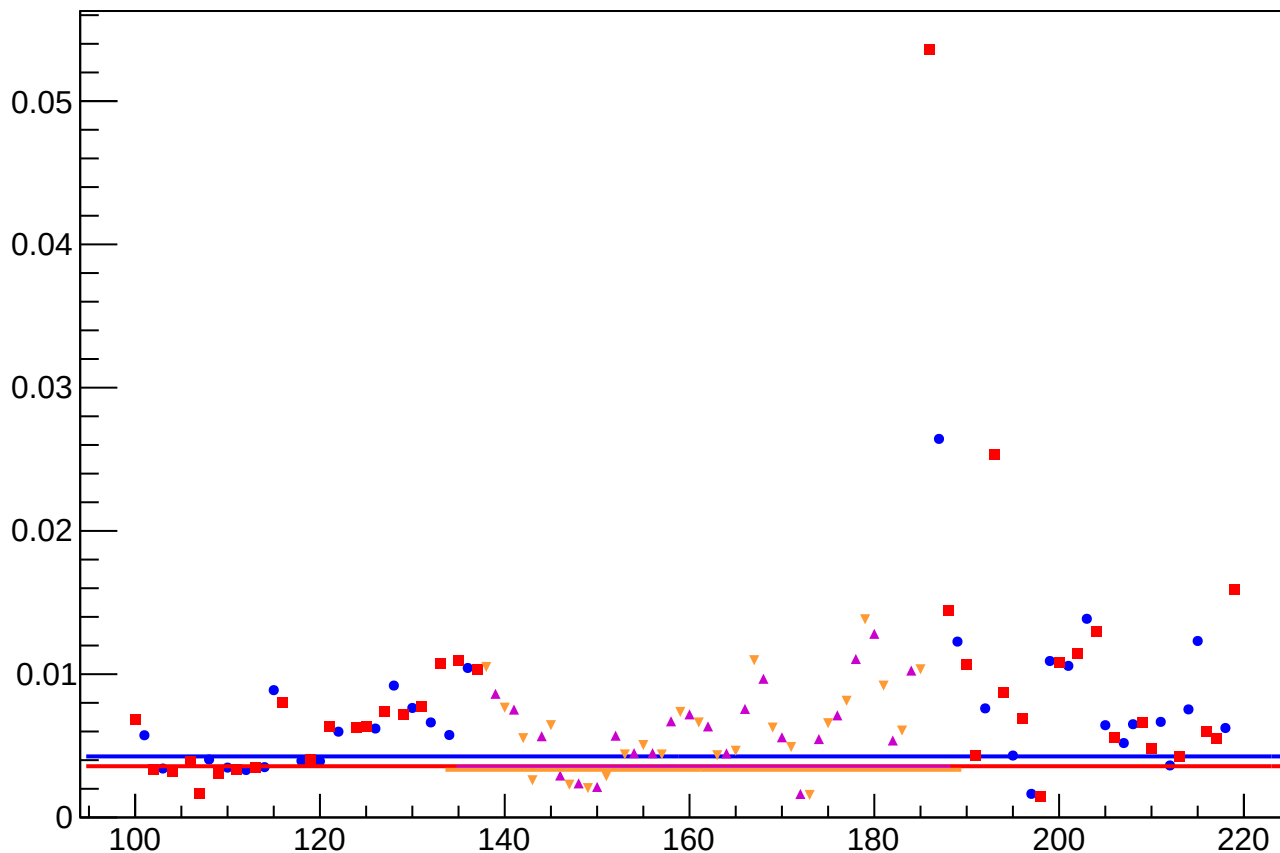
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:24.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 115.5/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 271.8/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 156.1/59

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 9627298.7/31

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:10486084.0/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 14817881.3/36

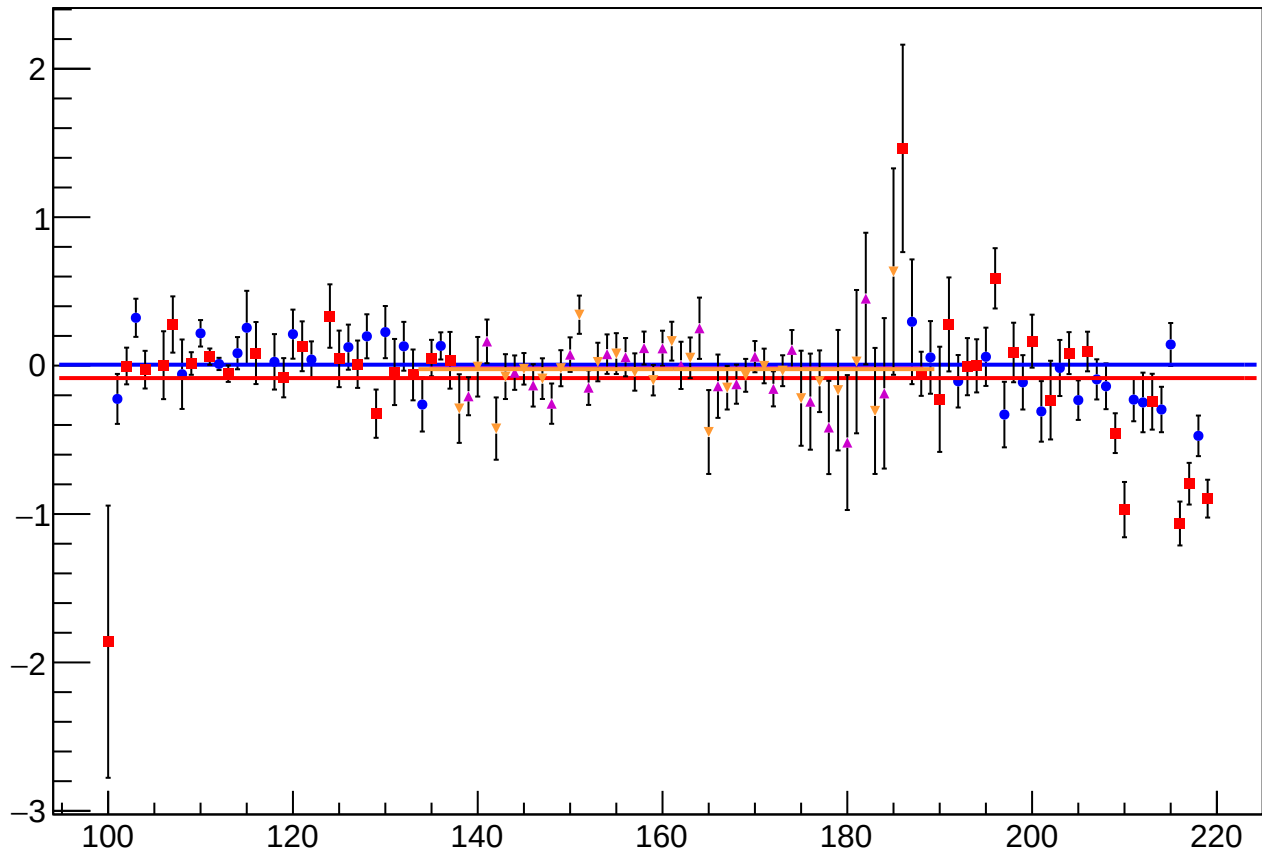
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:9426441.5/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 20948858.7/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 45237345.6/116

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 24247228.8/59

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.023 χ^2/NDF : 57.3/31

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: -0.084 ± 0.022 χ^2/NDF : 192.8/36

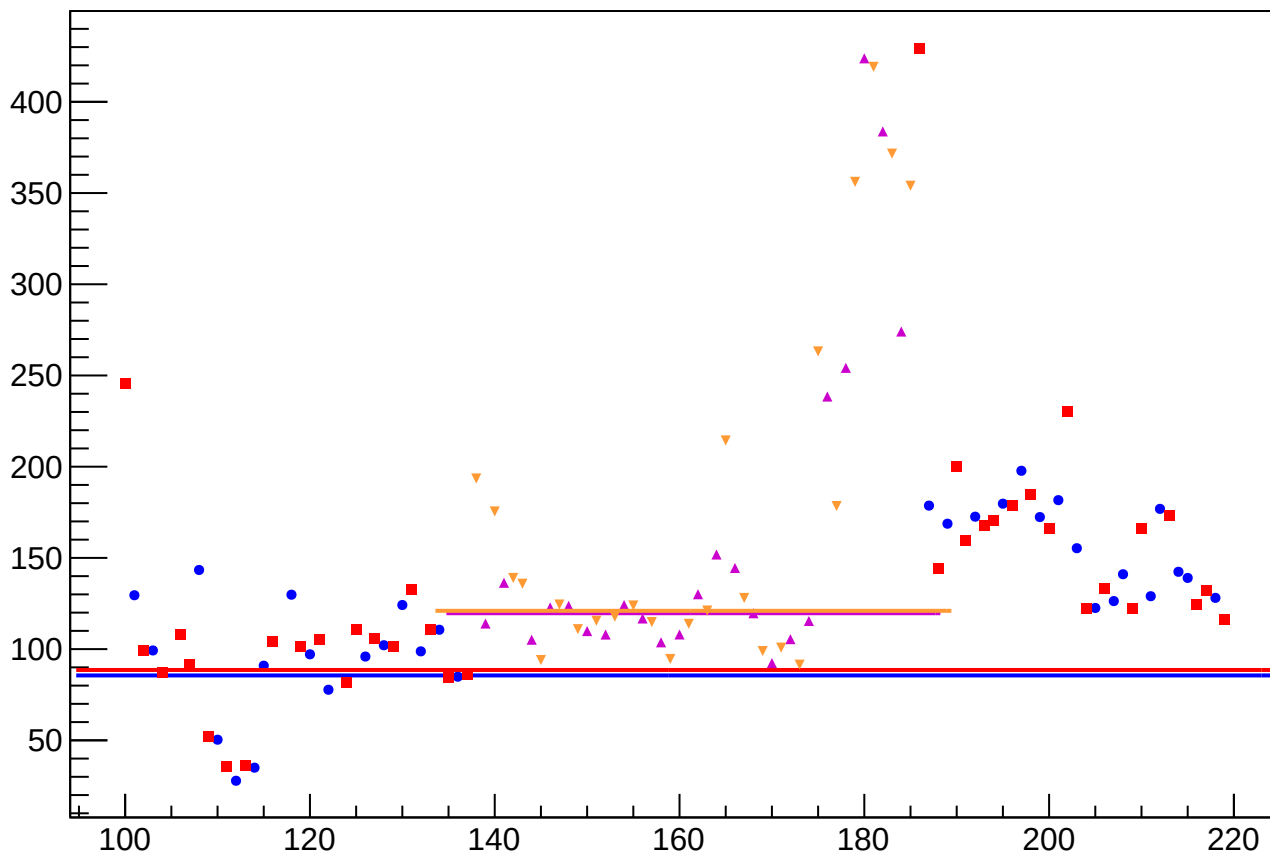
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign -0.005 ± 0.018 χ^2/NDF : 80.1/56

All: -0.033 ± 0.013 χ^2/NDF : 303.8/116

- sign -0.061 ± 0.018 χ^2/NDF : 218.9/59

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.573 ± 0.016 $\chi^2/\text{NDF}: 10158839.3/31$

Left Out: 121.000 ± 0.021 $\chi^2/\text{NDF}: 4095210.5/24$

Right Out: 88.564 ± 0.016 $\chi^2/\text{NDF}: 9621856.7/36$

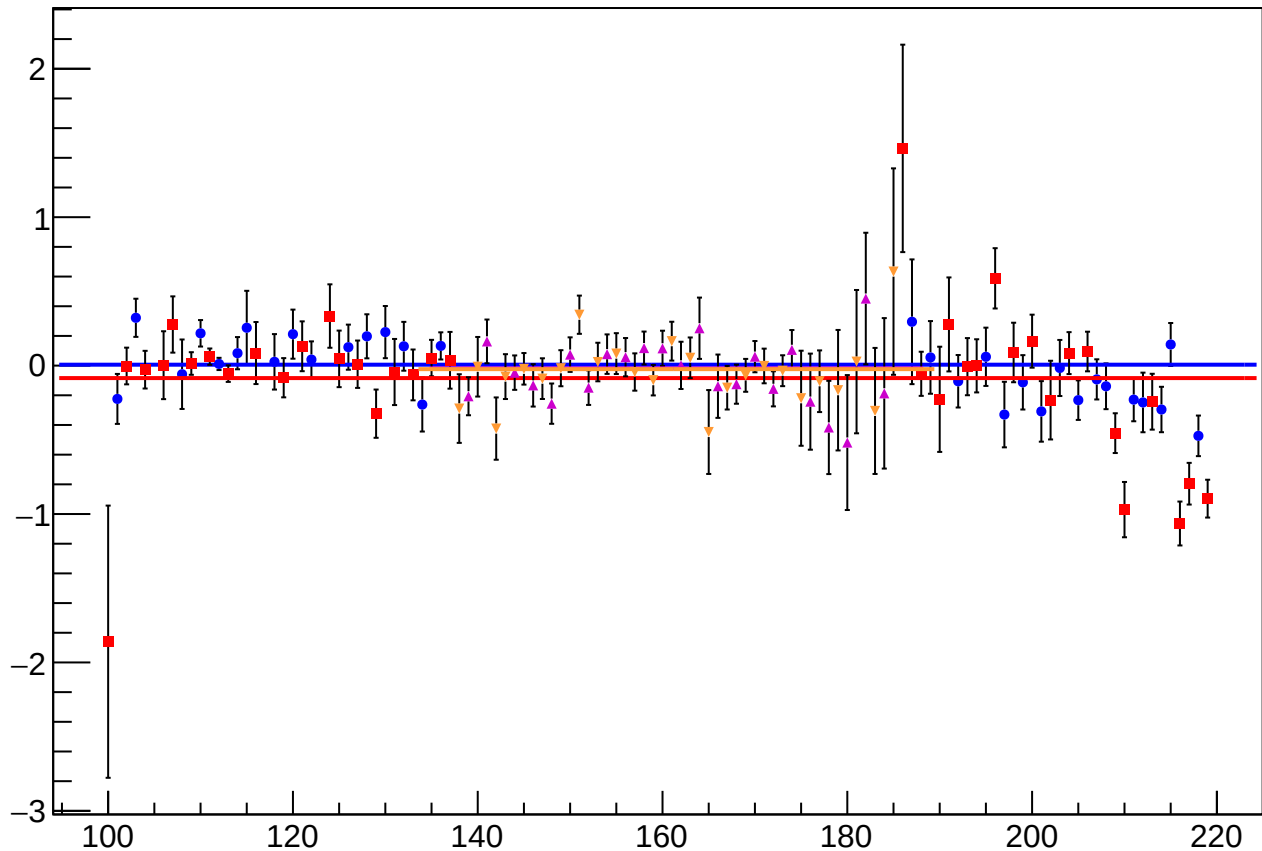
Left In: 119.680 ± 0.021 $\chi^2/\text{NDF}: 2838196.2/22$

+ sign 98.603 ± 0.013 $\chi^2/\text{NDF}: 16028728.9/56$

All: 99.118 ± 0.009 $\chi^2/\text{NDF}: 29857983.5/116$

- sign 99.627 ± 0.013 $\chi^2/\text{NDF}: 13826050.1/59$

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.023 χ^2/NDF : 57.3/31

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: -0.084 ± 0.022 χ^2/NDF : 192.8/36

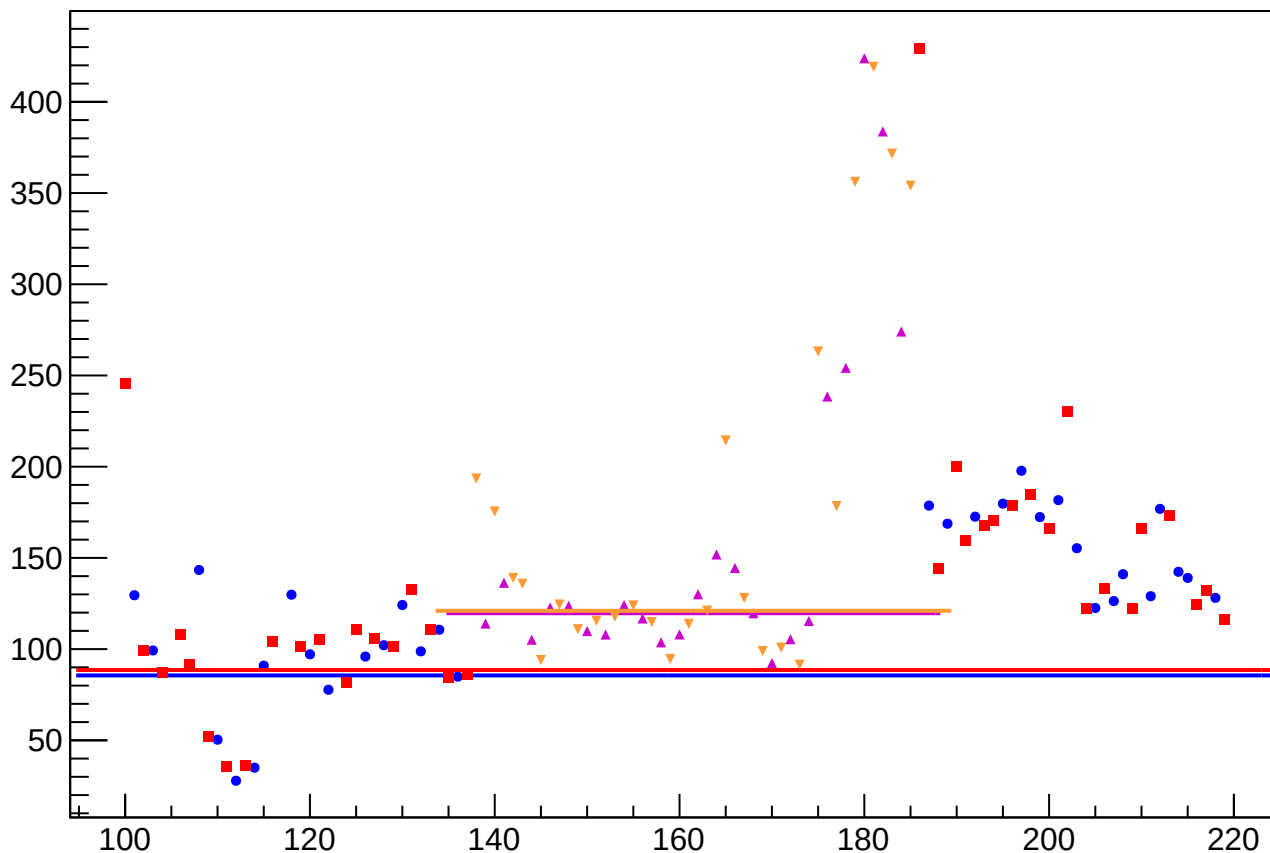
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign -0.005 ± 0.018 χ^2/NDF : 80.1/56

All: -0.033 ± 0.013 χ^2/NDF : 303.8/116

- sign -0.061 ± 0.018 χ^2/NDF : 218.9/59

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.573+/-0.016 χ^2/NDF : 10158839.3/31

Left Out: 121.000+/-0.021 χ^2/NDF : 4095210.5/24

Right Out: 88.564+/-0.016 χ^2/NDF : 9621856.7/36

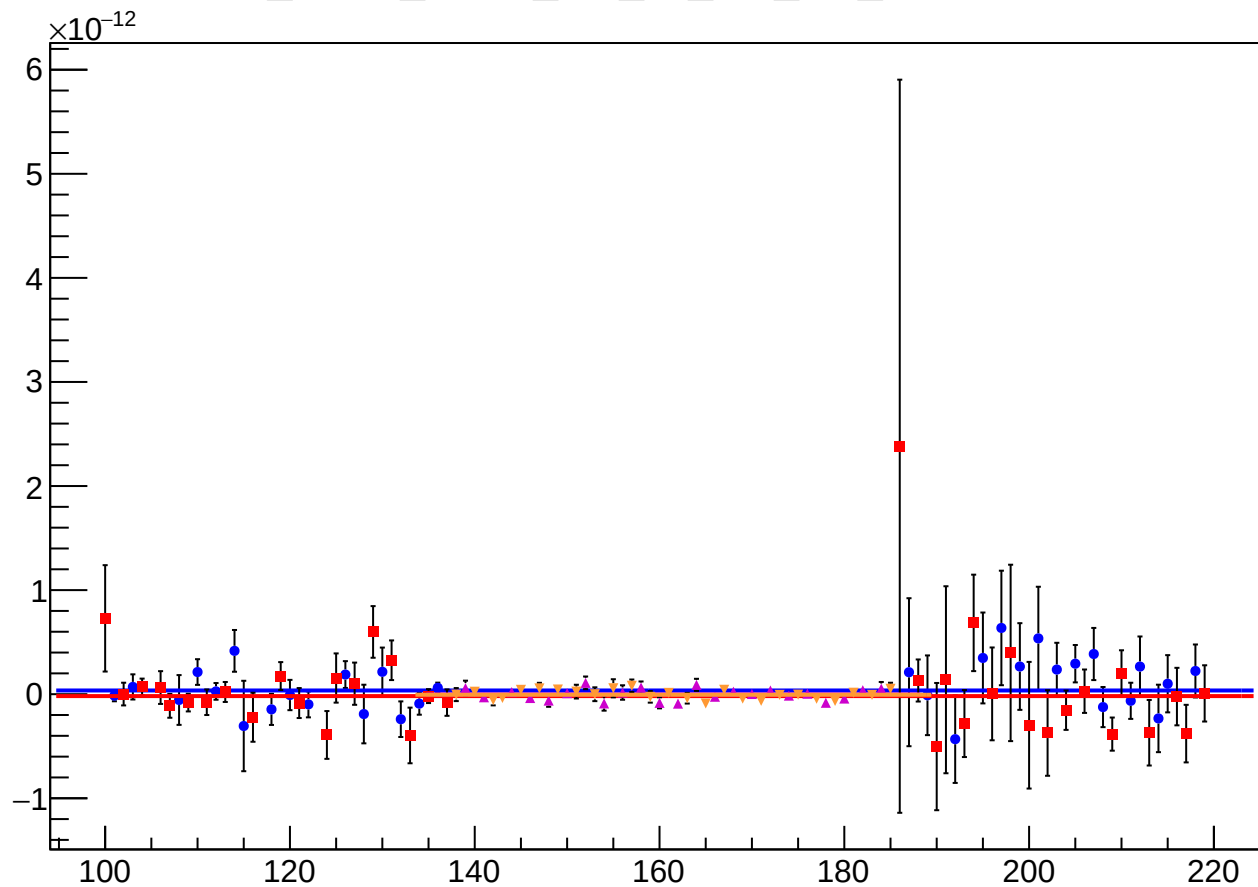
Left In: 119.680+/-0.021 χ^2/NDF : 2838196.2/22

+ sign 98.603+/-0.013 χ^2/NDF : 16028728.9/56

All: 99.118+/-0.009 χ^2/NDF : 29857983.5/116

- sign 99.627+/-0.013 χ^2/NDF : 13826050.1/59

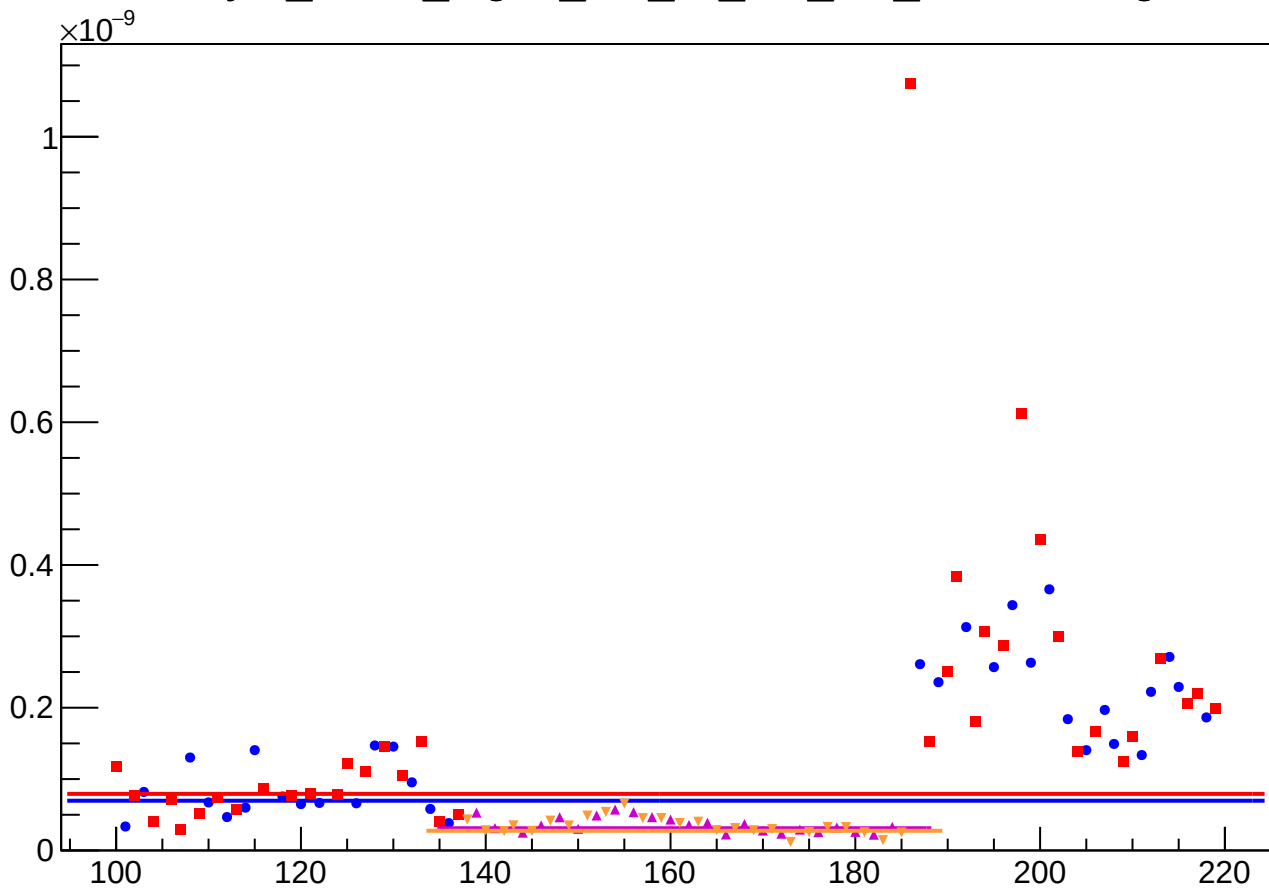
asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 28.9/31
 Left Out: -0.000 ± 0.000 χ^2/NDF : 22.2/24
 Right Out: -0.000 ± 0.000 χ^2/NDF : 39.2/36
 Left In: -0.000 ± 0.000 χ^2/NDF : 27.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 53.7/56
 All: -0.000 ± 0.000 χ^2/NDF : 120.8/116
 - sign -0.000 ± 0.000 χ^2/NDF : 67.1/59

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9959895.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9442121.5/36

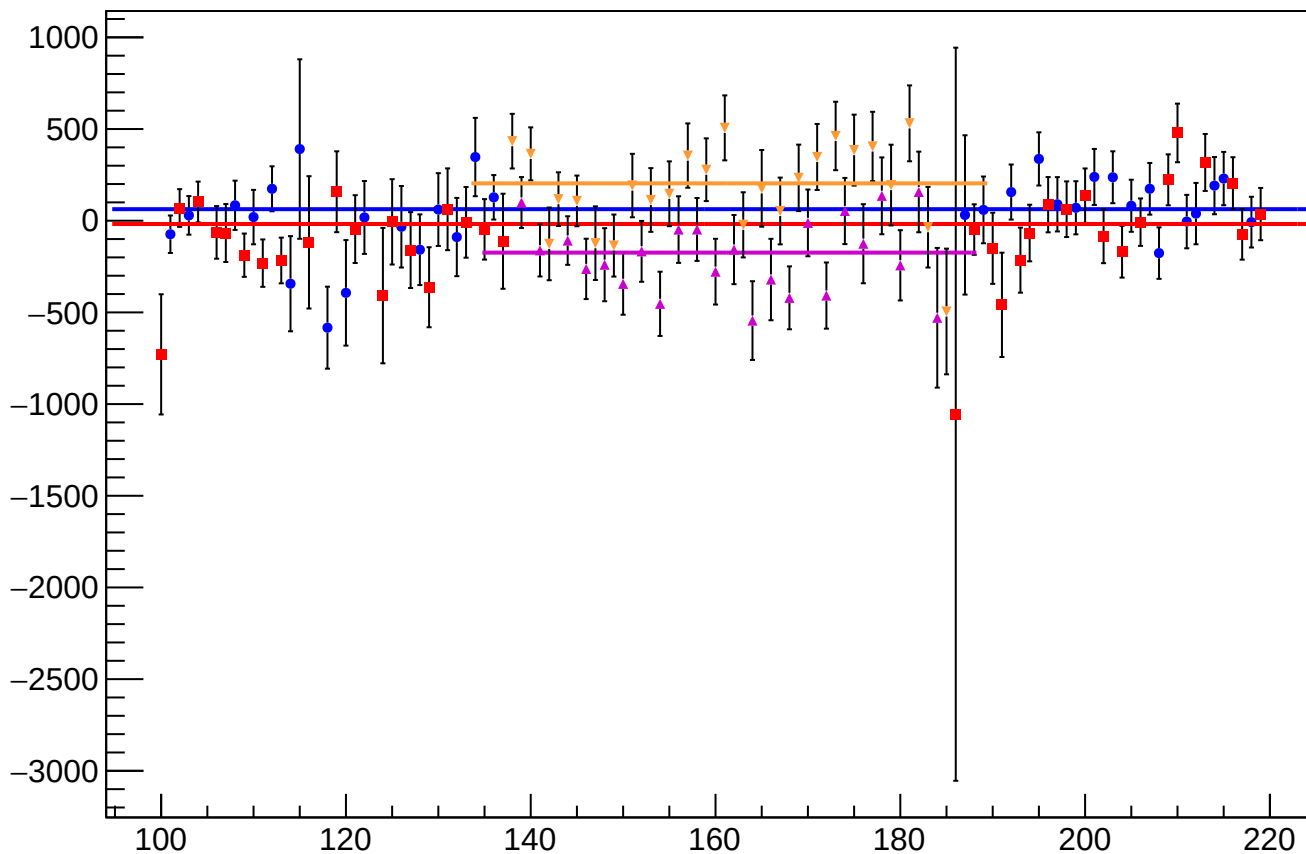
Left In: 0.000+/-0.000 χ^2/NDF : 1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 18969057.5/56

All: 0.000+/-0.000 χ^2/NDF : 36557612.6/116

- sign 0.000+/-0.000 χ^2/NDF : 17302160.9/59

reg_asym_sam5_mean vs Slug



Right In: 62.917 ± 27.717 χ^2/NDF : 33.6/31

Left Out: 203.760 ± 35.878 χ^2/NDF : 32.9/24

Right Out: -17.917 ± 26.398 χ^2/NDF : 47.1/36

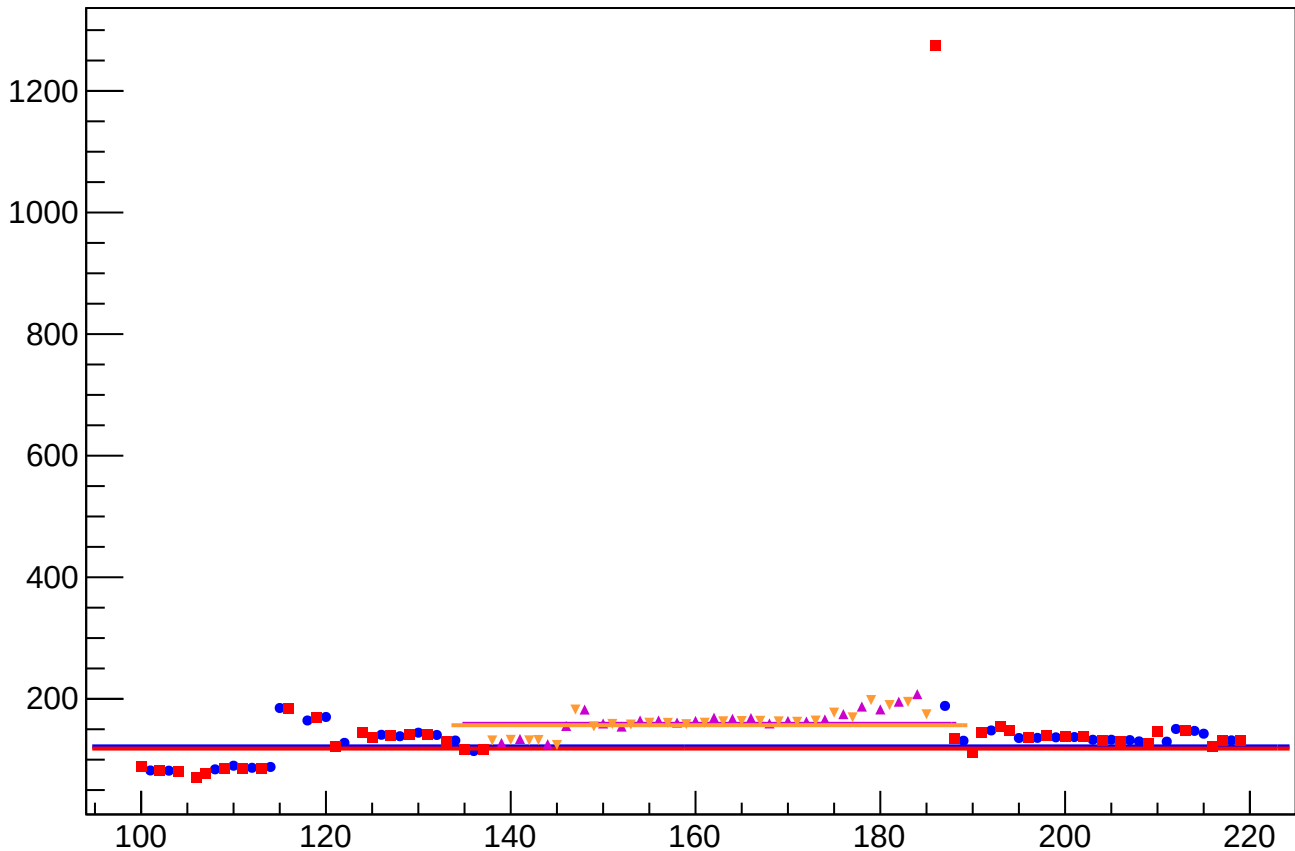
Left In: -173.974 ± 37.405 χ^2/NDF : 24.5/22

+ sign 115.558 ± 21.934 χ^2/NDF : 76.1/56

All: 21.318 ± 15.379 χ^2/NDF : 195.7/116

- sign -69.801 ± 21.568 χ^2/NDF : 83.3/59

reg_asym_sam5_rms vs Slug



Right In: 121.833 $\pm$ 0.020 χ^2 /NDF: 1686020.5/31

Left Out: 156.638 $\pm$ 0.025 χ^2 /NDF: 582414.4/24

Right Out: 118.217 $\pm$ 0.019 χ^2 /NDF: 2763511.6/36

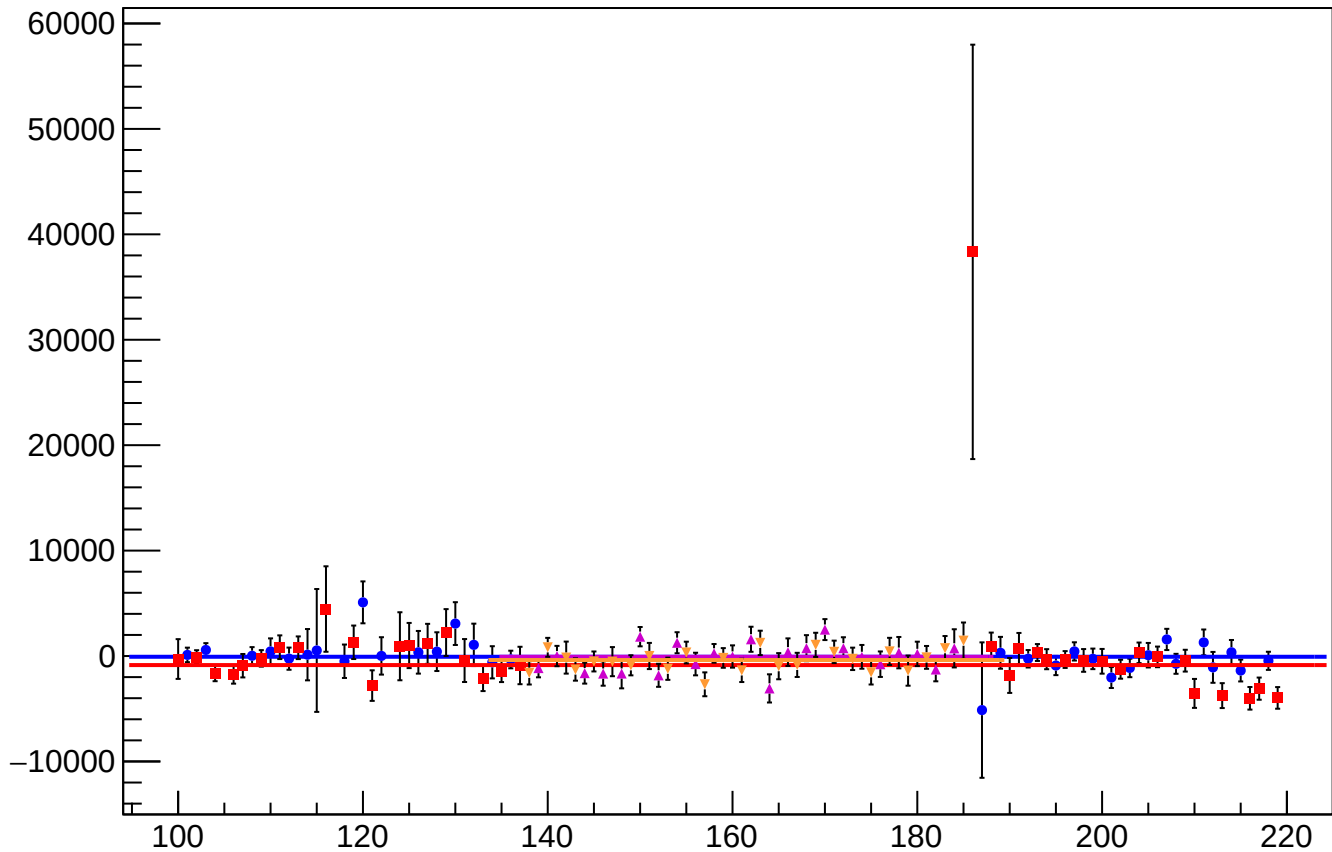
Left In: 158.952 $\pm$ 0.026 χ^2 /NDF: 511321.2/22

+ sign 134.842 $\pm$ 0.016 χ^2 /NDF: 3447125.0/56

All: 133.275 $\pm$ 0.011 χ^2 /NDF: 8325381.4/116

- sign 131.760 $\pm$ 0.015 χ^2 /NDF: 4858178.9/59

asym_sam5_reg_correction_mean vs Slug



Right In: -69.690 ± 194.463 χ^2/NDF : 25.3/31

Left Out: -380.690 ± 224.554 χ^2/NDF : 18.7/24

Right Out: -858.286 ± 184.954 χ^2/NDF : 65.1/36

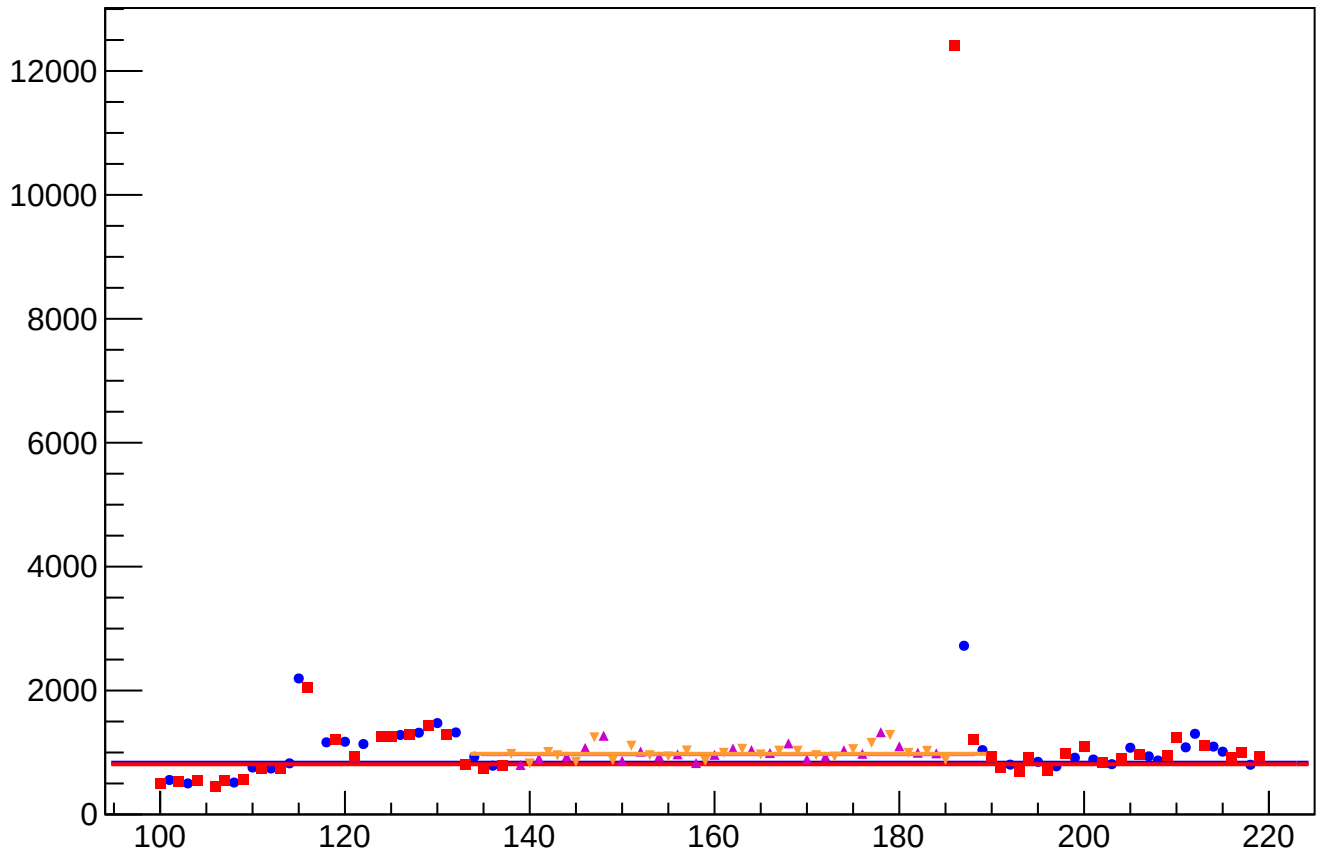
Left In: -74.440 ± 229.788 χ^2/NDF : 33.1/22

+ sign -202.971 ± 147.002 χ^2/NDF : 45.2/56

All: -380.029 ± 102.898 χ^2/NDF : 153.2/116

- sign -550.119 ± 144.080 χ^2/NDF : 105.2/59

asym_sam5_reg_correction_rms vs Slug



Right In: 835.231+/-0.138 χ^2/NDF : 2871666.8/31

Left Out: 979.111+/-0.159 χ^2/NDF : 429795.3/24

Right Out: 810.289+/-0.131 χ^2/NDF : 3969042.6/36

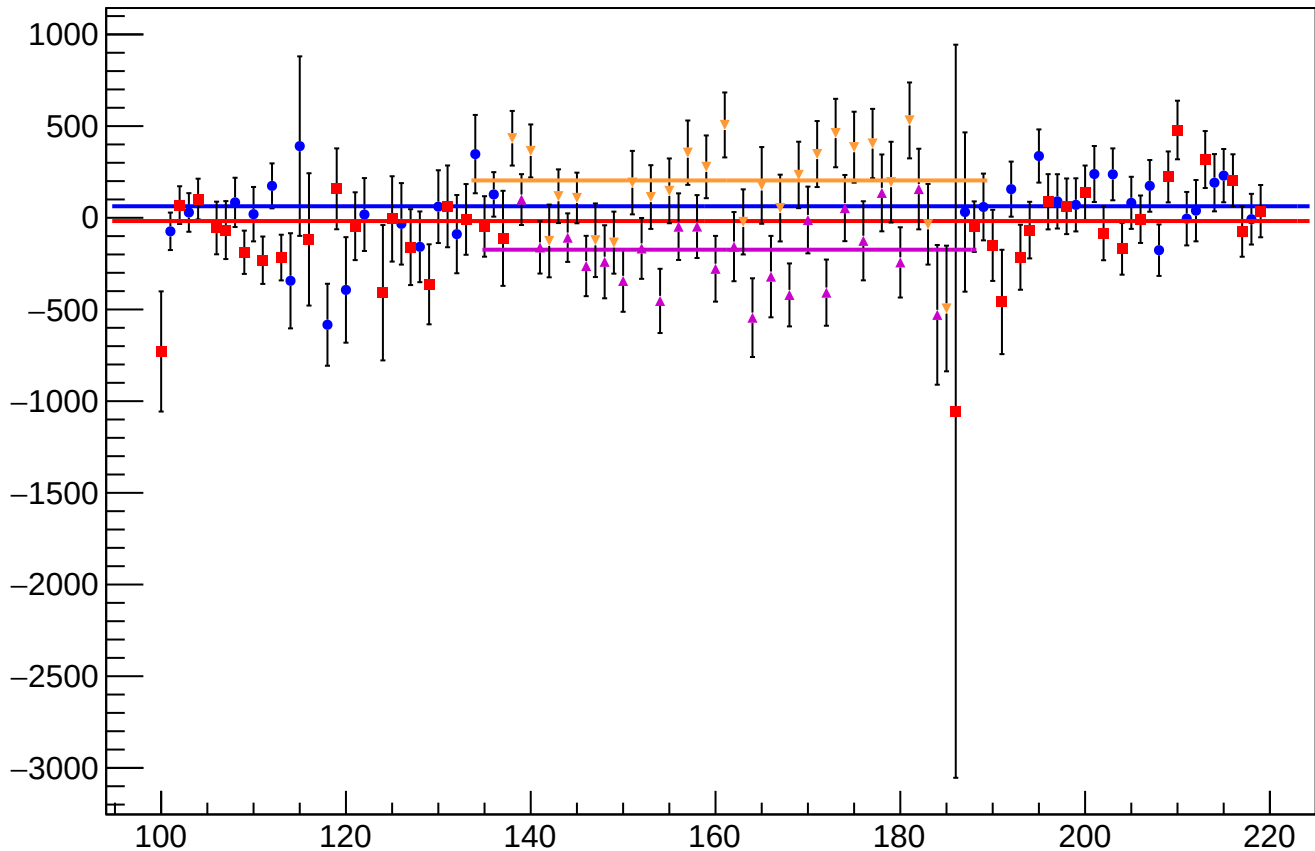
Left In: 973.818+/-0.162 χ^2/NDF : 498612.7/22

+ sign 896.892+/-0.104 χ^2/NDF : 3770671.4/56

All: 885.512+/-0.073 χ^2/NDF : 8876500.1/116

- sign 874.580+/-0.102 χ^2/NDF : 5082329.6/59

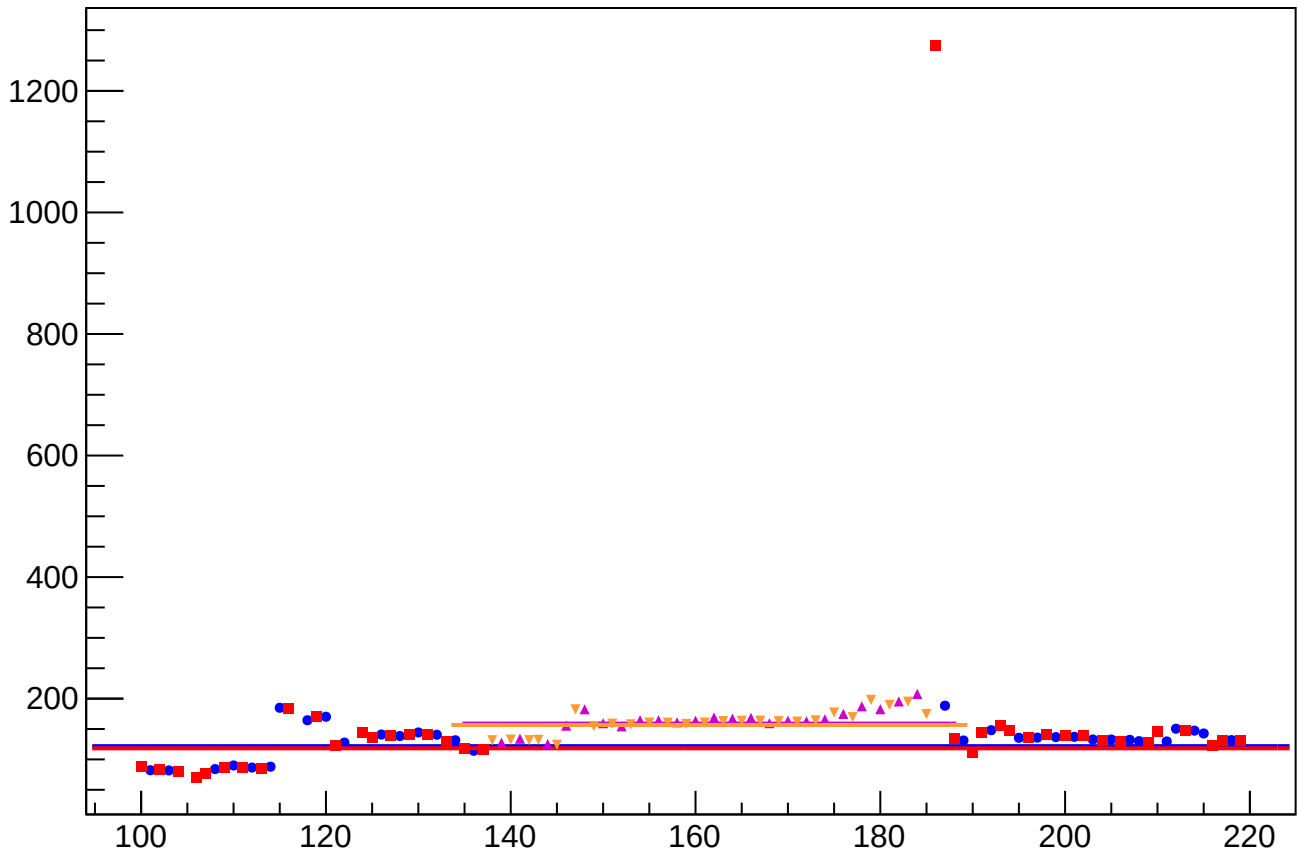
cor_asym_sam5_mean vs Slug



Right In: 62.916 ± 27.717 χ^2/NDF : 33.6/31
Left Out: 203.766 ± 35.878 χ^2/NDF : 32.9/24
Right Out: -17.658 ± 26.399 χ^2/NDF : 47.1/36
Left In: -173.978 ± 37.405 χ^2/NDF : 24.5/22

+ sign 115.560 ± 21.934 χ^2/NDF : 76.1/56
All: 21.407 ± 15.379 χ^2/NDF : 195.6/116
- sign -69.632 ± 21.568 χ^2/NDF : 83.3/59

cor_asym_sam5_rms vs Slug



Right In: 121.833 $\pm$ 0.020 χ^2 /NDF: 1686019.1/31

Left Out: 156.638 $\pm$ 0.025 χ^2 /NDF: 582414.5/24

Right Out: 118.206 $\pm$ 0.019 χ^2 /NDF: 2766874.0/36

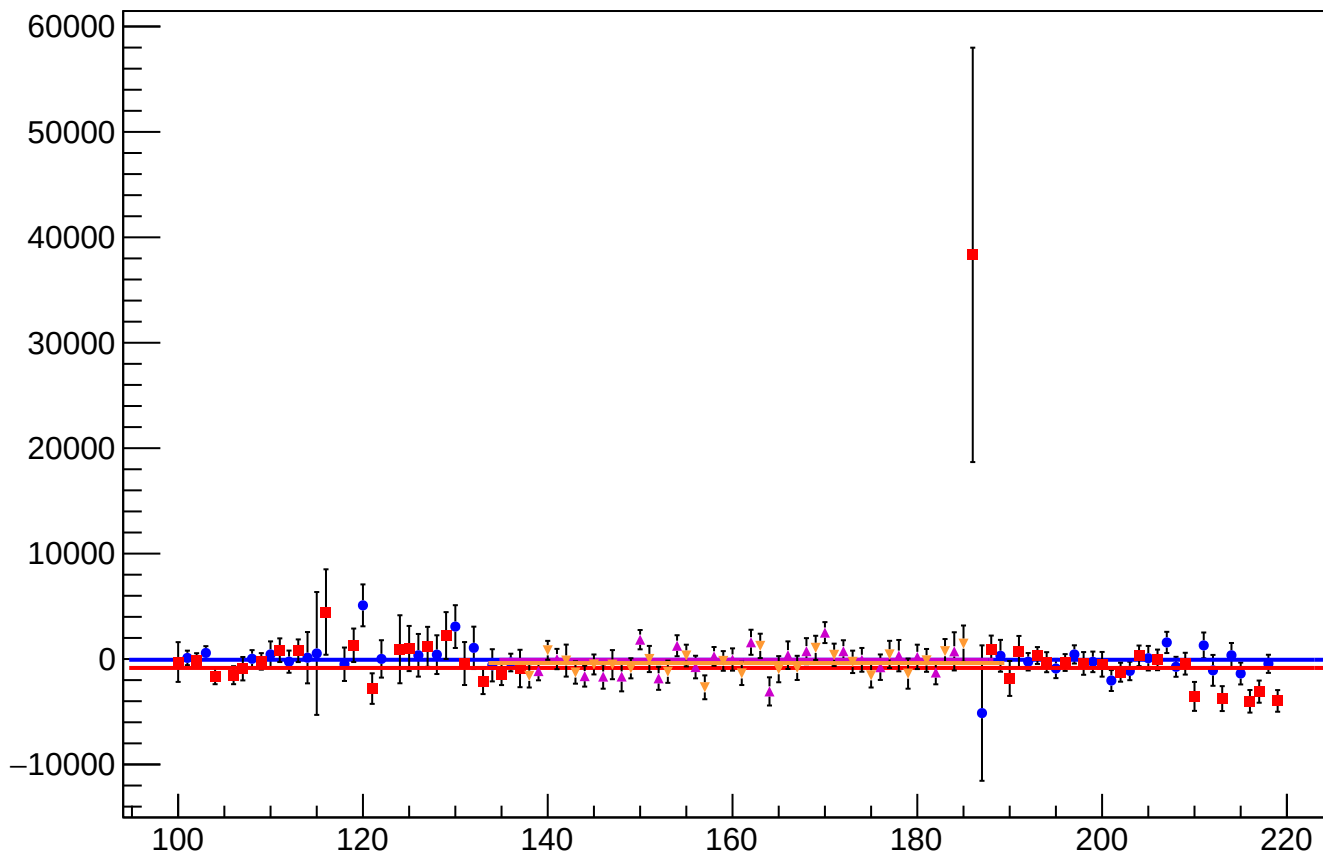
Left In: 158.952 $\pm$ 0.026 χ^2 /NDF: 511321.3/22

+ sign 134.842 $\pm$ 0.016 χ^2 /NDF: 3447123.0/56

All: 133.271 $\pm$ 0.011 χ^2 /NDF: 8329587.9/116

- sign 131.753 $\pm$ 0.015 χ^2 /NDF: 4862306.2/59

asym_sam5_cor_correction_mean vs Slug



Right In: -69.686 ± 194.463 χ^2/NDF : 25.3/31

Left Out: -380.678 ± 224.554 χ^2/NDF : 18.7/24

Right Out: -846.344 ± 185.011 χ^2/NDF : 64.5/36

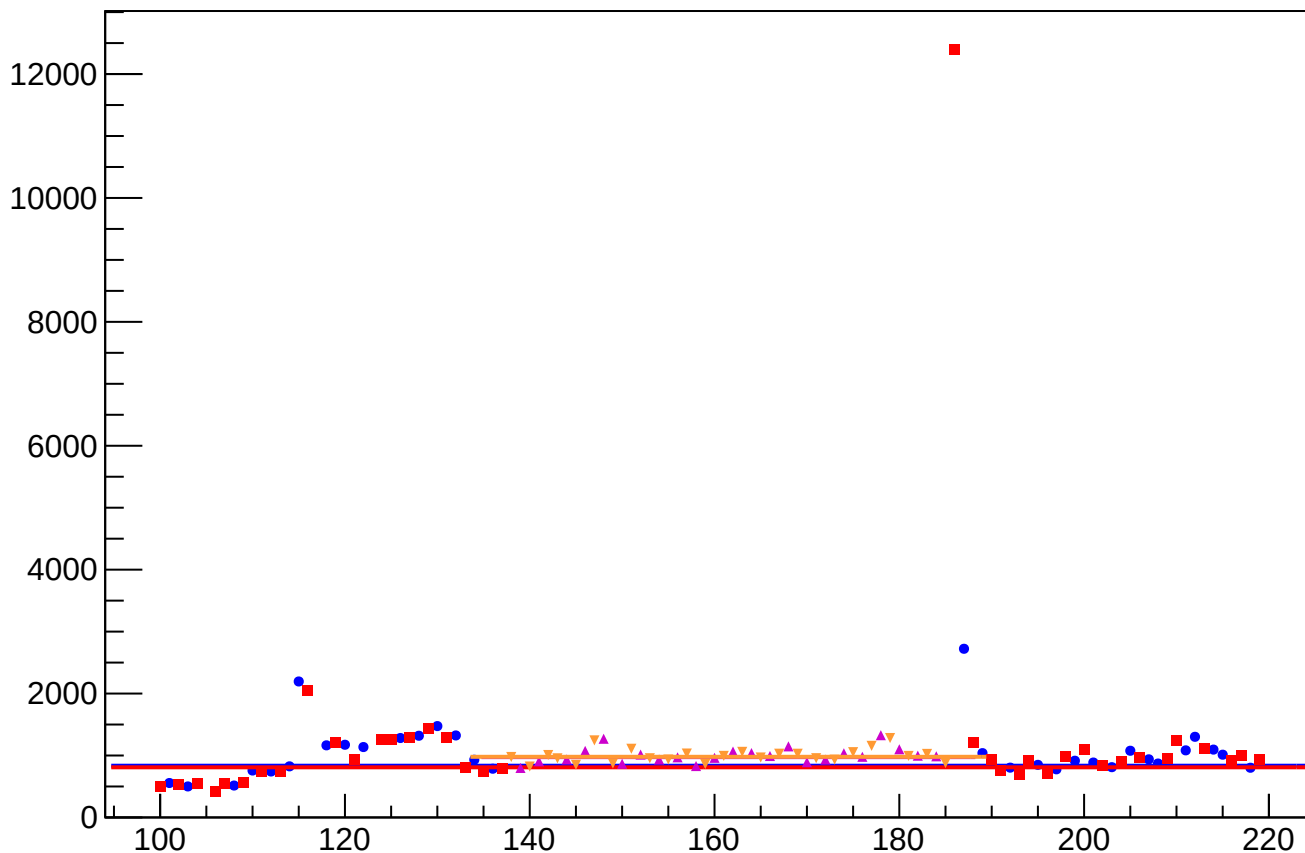
Left In: -74.438 ± 229.788 χ^2/NDF : 33.1/22

+ sign -202.963 ± 147.002 χ^2/NDF : 45.2/56

All: -376.238 ± 102.908 χ^2/NDF : 152.3/116

- sign -542.756 ± 144.108 χ^2/NDF : 104.4/59

asym_sam5_cor_correction_rms vs Slug



Right In: 835.231+/-0.138 χ^2/NDF : 2871670.1/31

Left Out: 979.112+/-0.159 χ^2/NDF : 429793.5/24

Right Out: 809.367+/-0.131 χ^2/NDF : 4014282.9/36

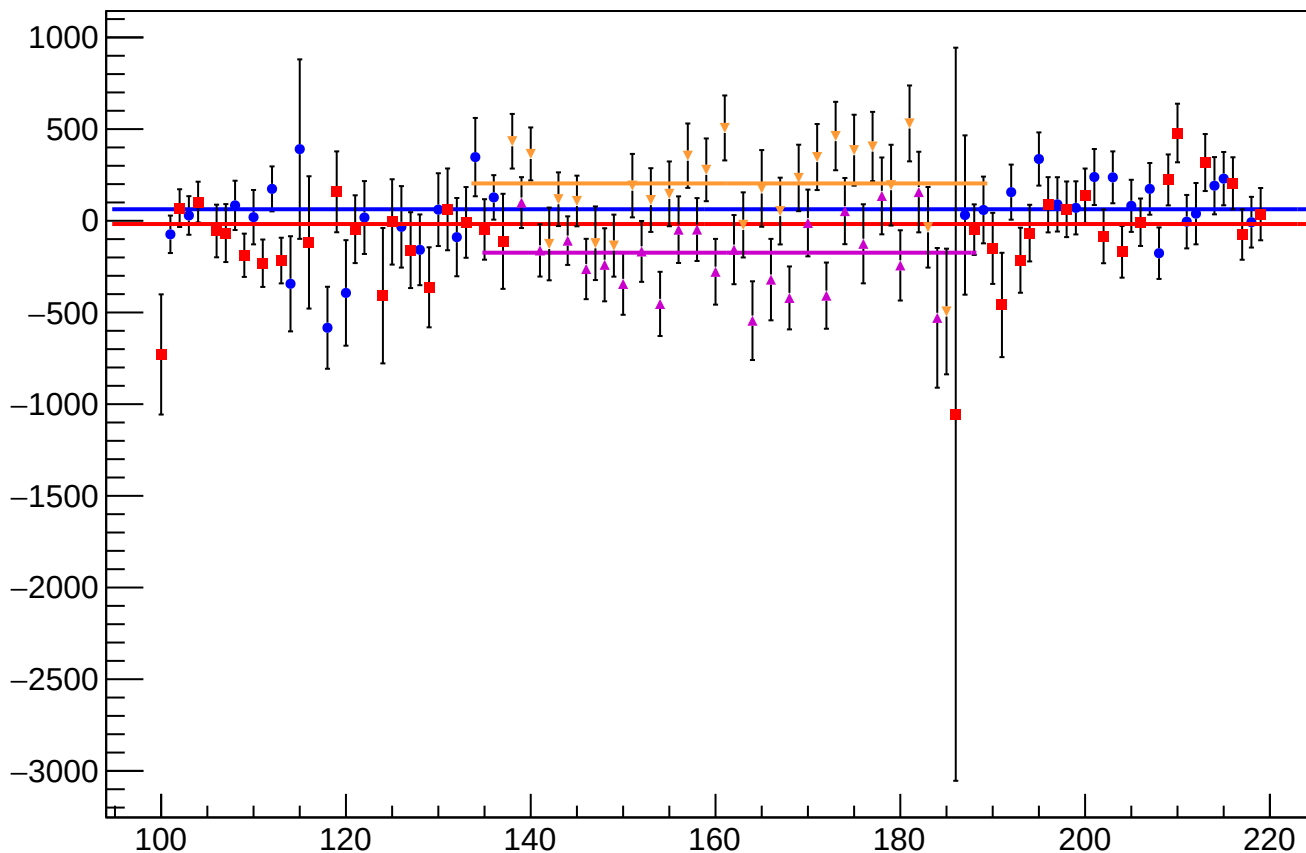
Left In: 973.818+/-0.162 χ^2/NDF : 498615.1/22

+ sign 896.892+/-0.104 χ^2/NDF : 3770675.7/56

All: 885.241+/-0.073 χ^2/NDF : 8929685.4/116

- sign 874.045+/-0.102 χ^2/NDF : 5134373.8/59

eigen_cor_asym_sam5_mean vs Slug



Right In: 62.916 ± 27.717 $\chi^2/\text{NDF}: 33.6/31$

Left Out: 203.766 ± 35.878 $\chi^2/\text{NDF}: 32.9/24$

Right Out: -17.658 ± 26.399 $\chi^2/\text{NDF}: 47.1/36$

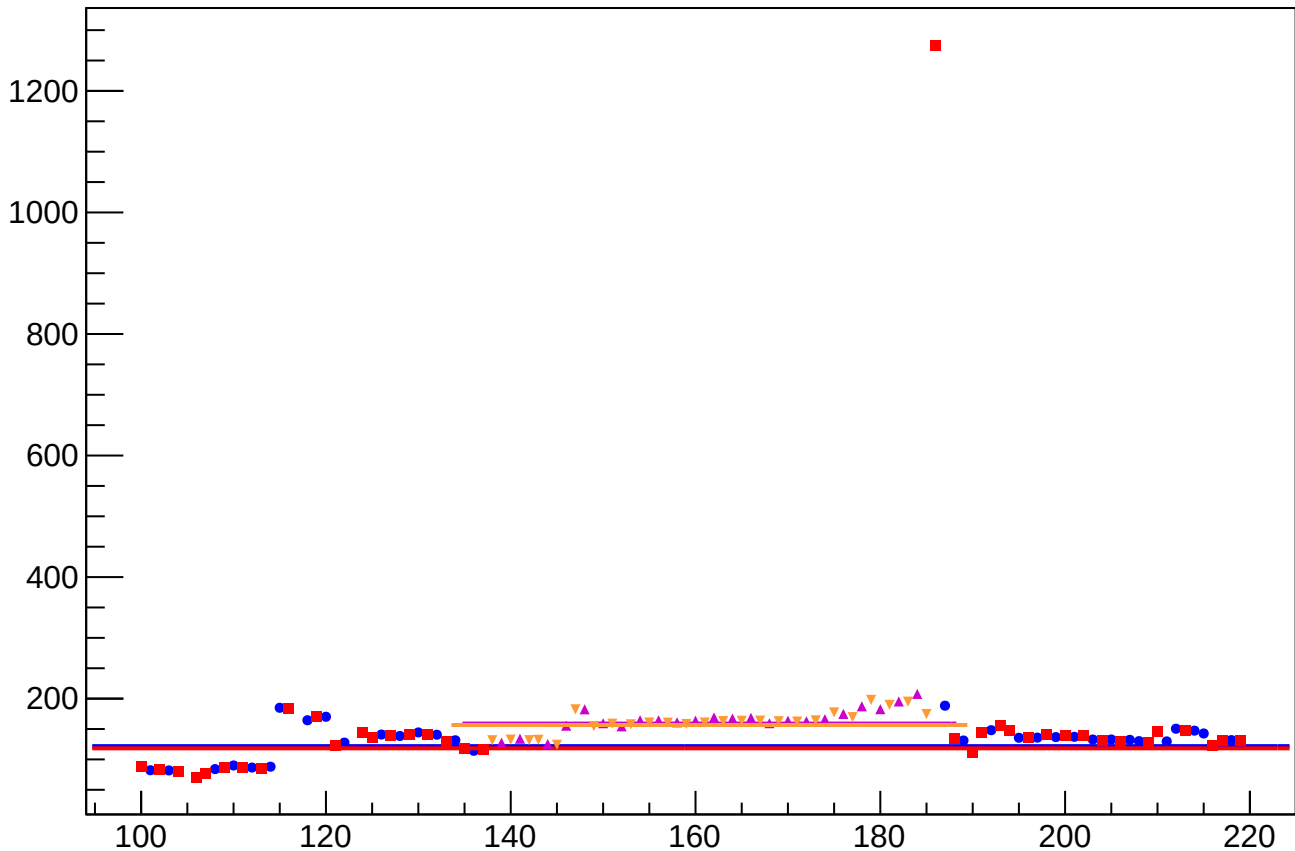
Left In: -173.978 ± 37.405 $\chi^2/\text{NDF}: 24.5/22$

+ sign 115.560 ± 21.934 $\chi^2/\text{NDF}: 76.1/56$

All: 21.407 ± 15.379 $\chi^2/\text{NDF}: 195.6/116$

- sign -69.632 ± 21.568 $\chi^2/\text{NDF}: 83.3/59$

eigen_cor_asym_sam5_rms vs Slug



Right In: 121.833+/-0.020 χ^2/NDF : 1686019.1/31

Left Out: 156.638+/-0.025 χ^2/NDF : 582414.5/24

Right Out: 118.206+/-0.019 χ^2/NDF : 2766874.0/36

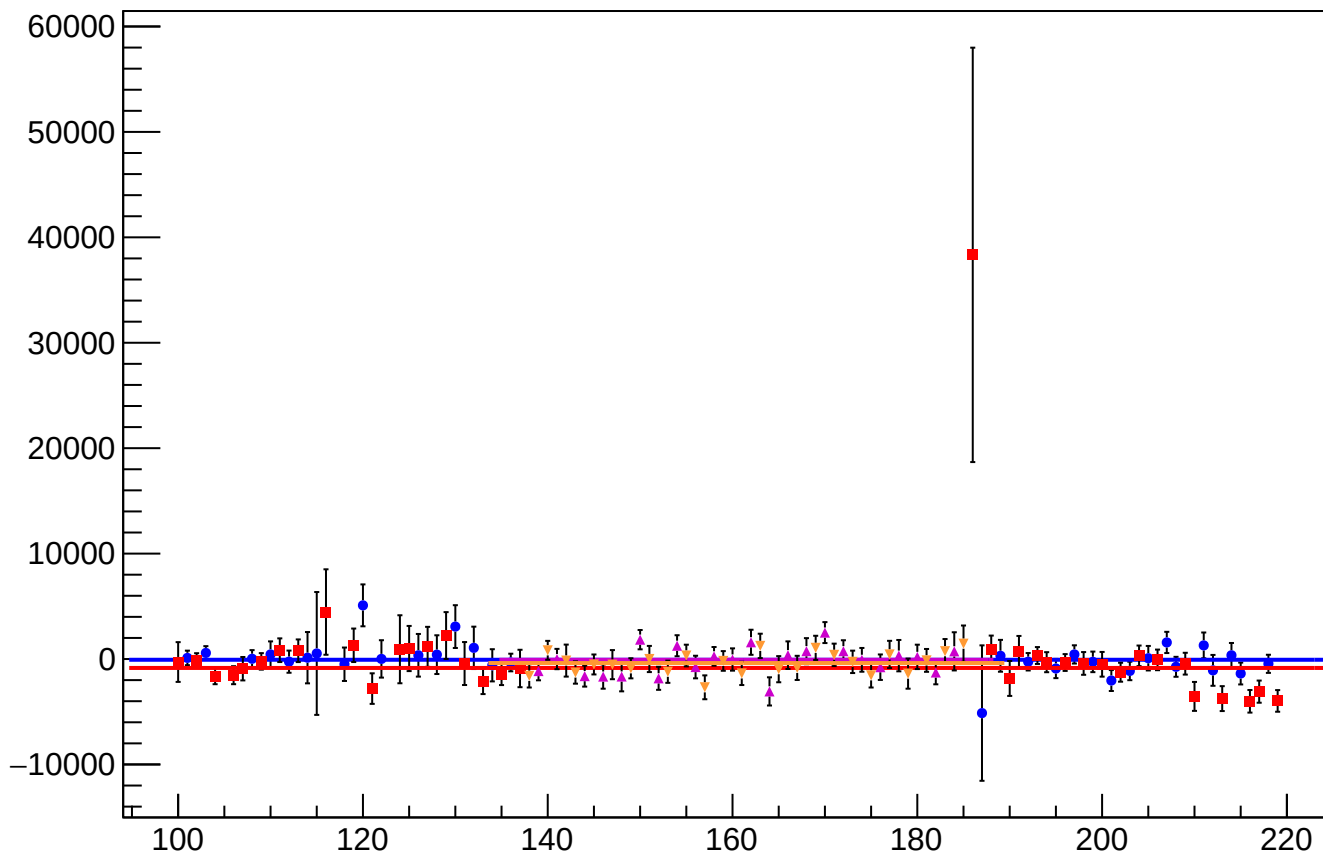
Left In: 158.952+/-0.026 χ^2/NDF : 511321.3/22

+ sign 134.842+/-0.016 χ^2/NDF : 3447123.0/56

All: 133.271+/-0.011 χ^2/NDF : 8329587.9/116

- sign 131.753+/-0.015 χ^2/NDF : 4862306.2/59

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: -69.686 ± 194.463 χ^2/NDF : 25.3/31

Left Out: -380.678 ± 224.554 χ^2/NDF : 18.7/24

Right Out: -846.344 ± 185.011 χ^2/NDF : 64.5/36

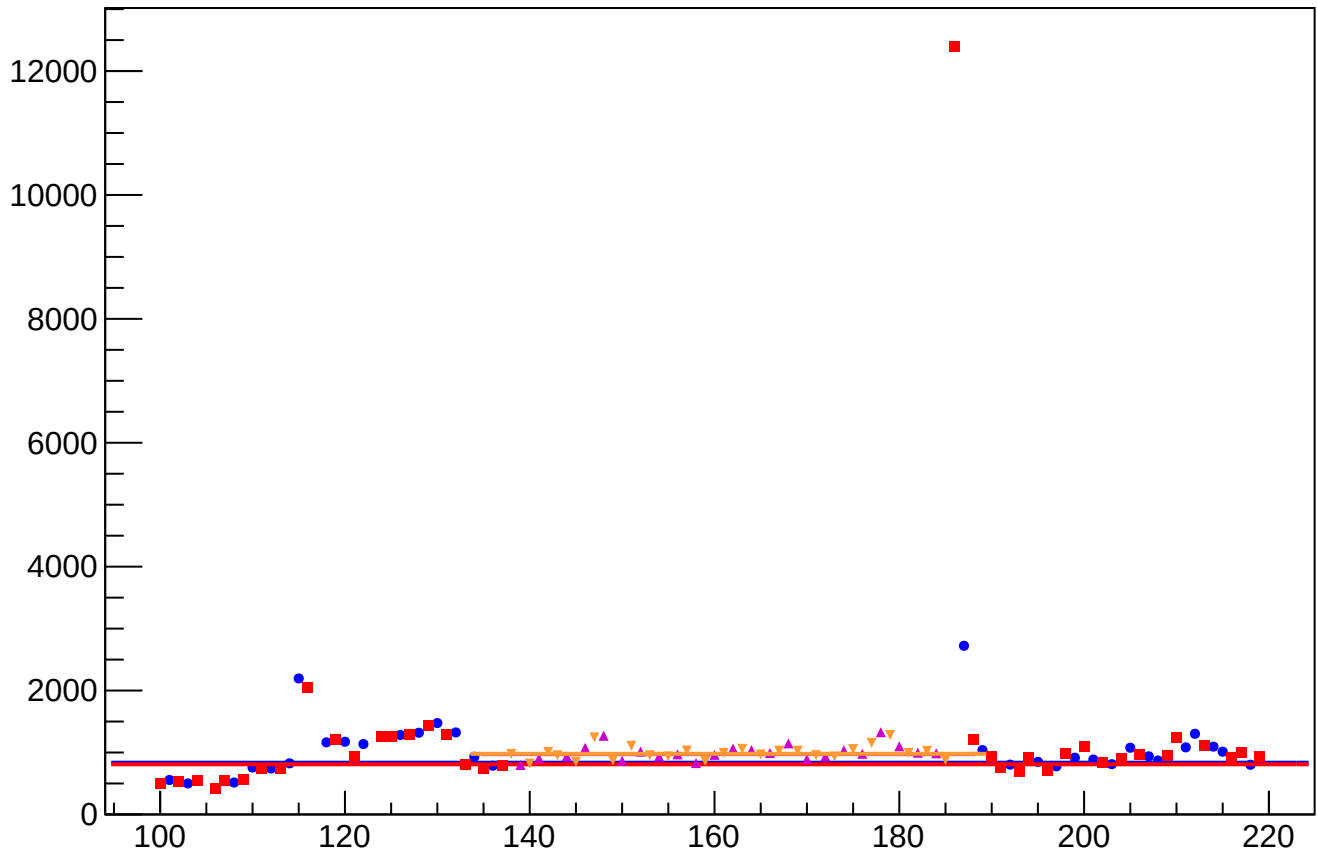
Left In: -74.438 ± 229.788 χ^2/NDF : 33.1/22

+ sign -202.963 ± 147.002 χ^2/NDF : 45.2/56

All: -376.238 ± 102.908 χ^2/NDF : 152.3/116

- sign -542.756 ± 144.108 χ^2/NDF : 104.4/59

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 835.231+/-0.138 χ^2/NDF : 2871670.1/31

Left Out: 979.112+/-0.159 χ^2/NDF : 429793.5/24

Right Out: 809.367+/-0.131 χ^2/NDF : 4014282.9/36

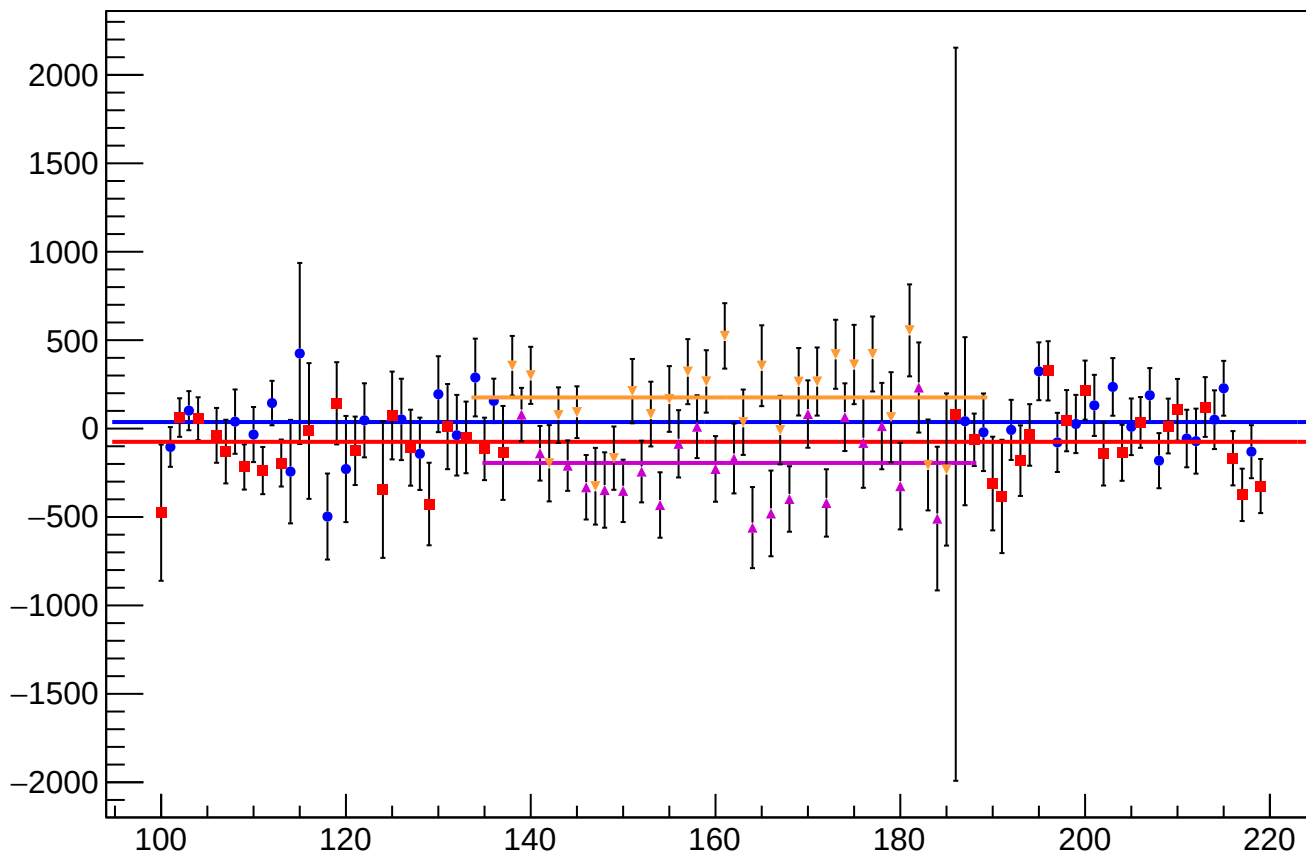
Left In: 973.818+/-0.162 χ^2/NDF : 498615.1/22

+ sign 896.892+/-0.104 χ^2/NDF : 3770675.7/56

All: 885.241+/-0.073 χ^2/NDF : 8929685.4/116

- sign 874.045+/-0.102 χ^2/NDF : 5134373.8/59

dit_asym_sam5_mean vs Slug



Right In: 37.015 ± 30.386 χ^2/NDF : 25.5/31

Left Out: 176.010 ± 38.838 χ^2/NDF : 30.8/24

Right Out: -74.925 ± 28.855 χ^2/NDF : 34.0/36

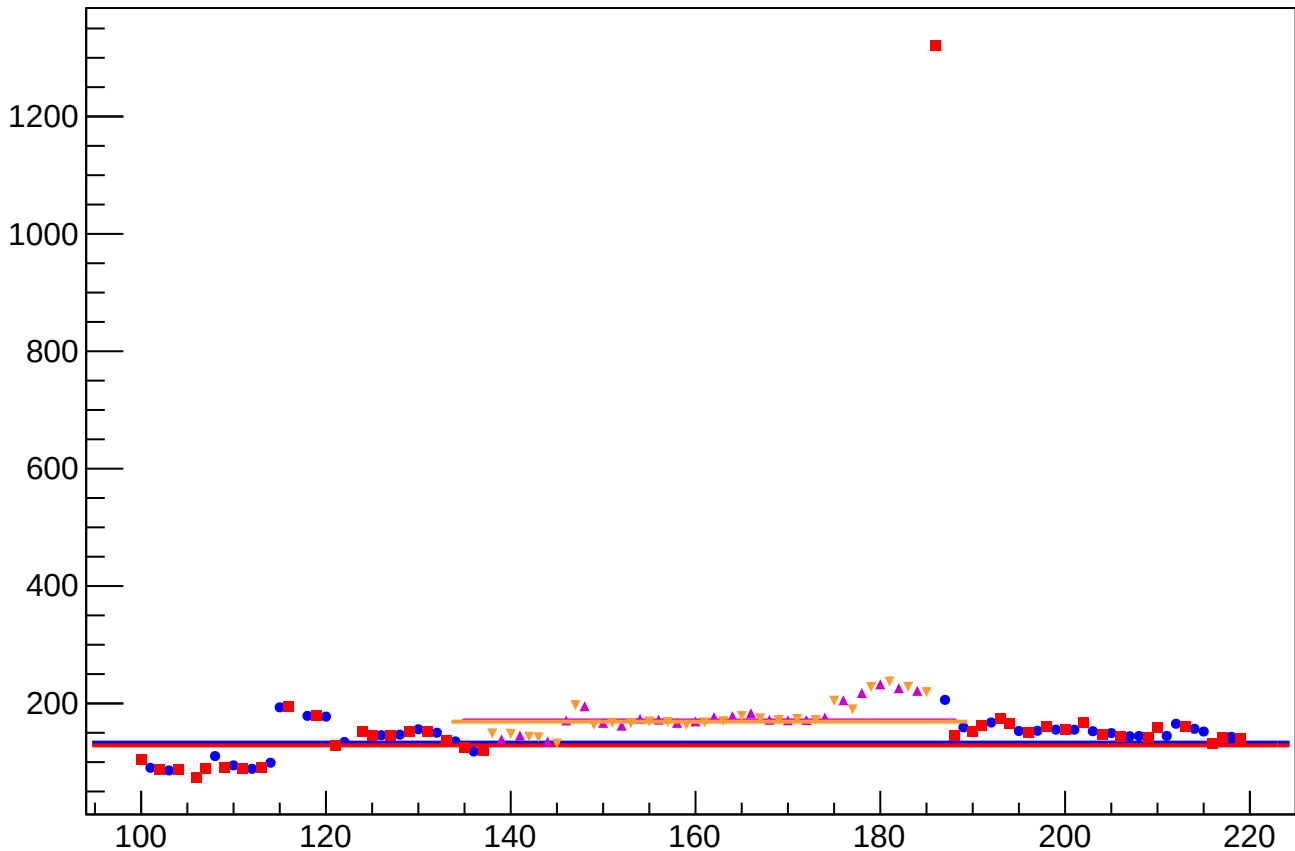
Left In: -194.324 ± 40.384 χ^2/NDF : 23.8/22

+ sign 89.792 ± 23.932 χ^2/NDF : 64.2/56

All: -14.707 ± 16.759 χ^2/NDF : 165.3/116

- sign -115.281 ± 23.478 χ^2/NDF : 63.7/59

dit_asym_sam5_rms vs Slug



Right In: 133.239 $\pm$ 0.021 χ^2 /NDF: 1815229.0/31

Left Out: 169.009 $\pm$ 0.027 χ^2 /NDF: 773937.9/24

Right Out: 128.579 $\pm$ 0.020 χ^2 /NDF: 3025698.8/36

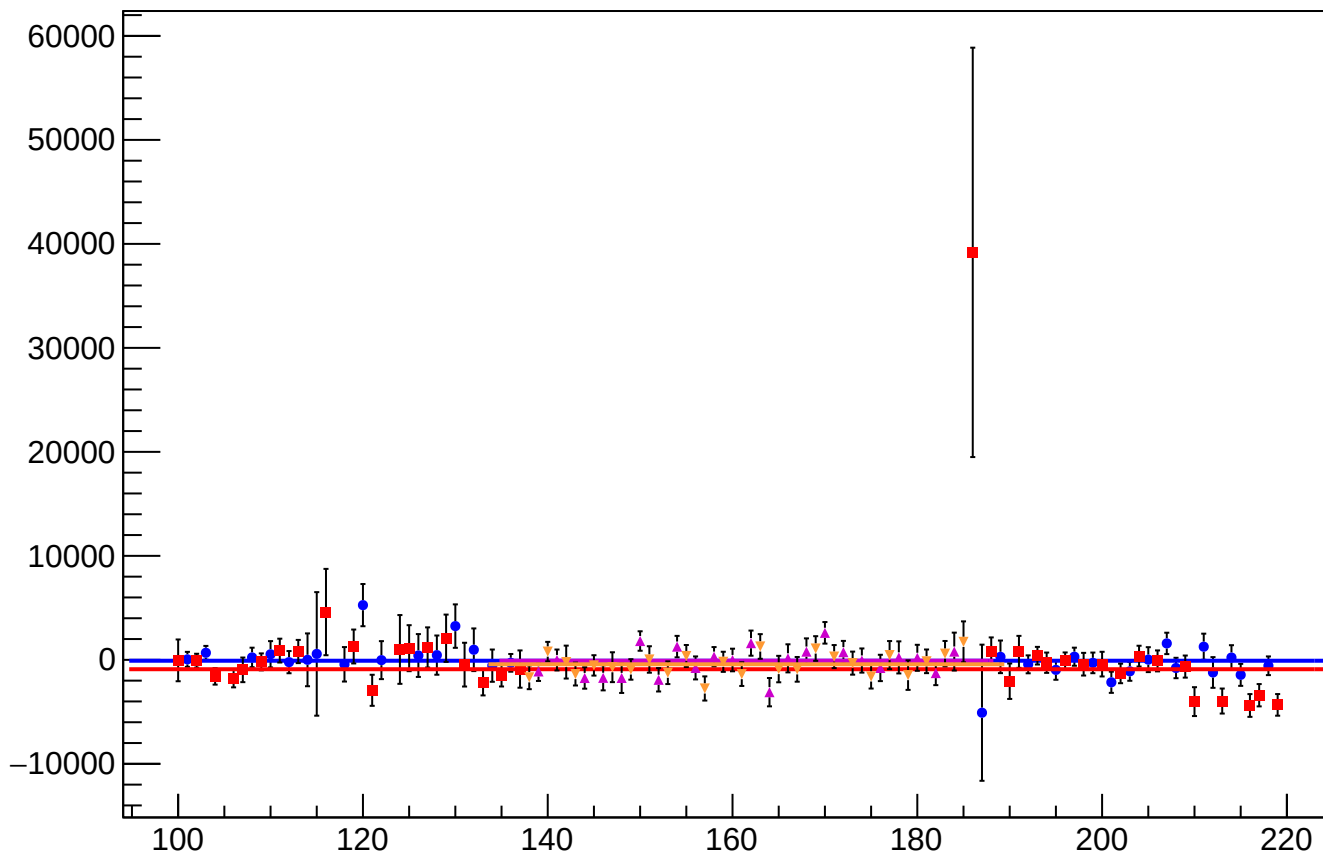
Left In: 171.021 $\pm$ 0.029 χ^2 /NDF: 678106.1/22

+ sign 146.821 $\pm$ 0.017 χ^2 /NDF: 3641562.5/56

All: 144.835 $\pm$ 0.012 χ^2 /NDF: 8834830.5/116

- sign 142.924 $\pm$ 0.017 χ^2 /NDF: 5166246.3/59

asym_sam5_dit_correction_mean vs Slug



Right In: -85.495 ± 201.086 χ^2/NDF : 26.0/31

Left Out: -425.819 ± 232.561 χ^2/NDF : 18.4/24

Right Out: -902.106 ± 190.616 χ^2/NDF : 71.8/36

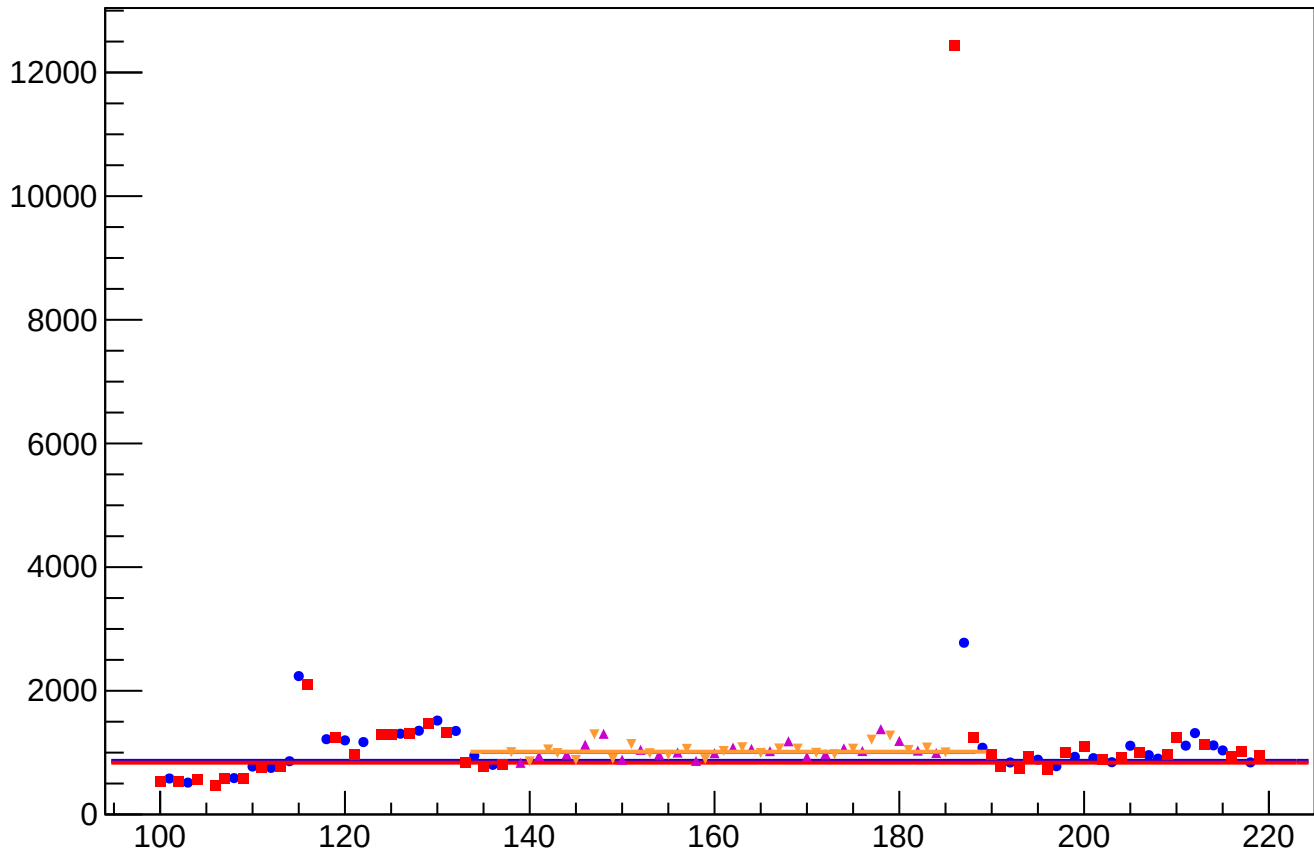
Left In: -86.486 ± 238.155 χ^2/NDF : 32.4/22

+ sign -231.085 ± 152.109 χ^2/NDF : 45.6/56

All: -411.211 ± 106.375 χ^2/NDF : 159.7/116

- sign -583.627 ± 148.818 χ^2/NDF : 111.4/59

asym_sam5_dit_correction_rms vs Slug



Right In: 866.634+/-0.142 χ^2/NDF : 2691205.4/31

Left Out: 1015.046+/-0.164 χ^2/NDF : 397966.2/24

Right Out: 837.681+/-0.135 χ^2/NDF : 3800664.9/36

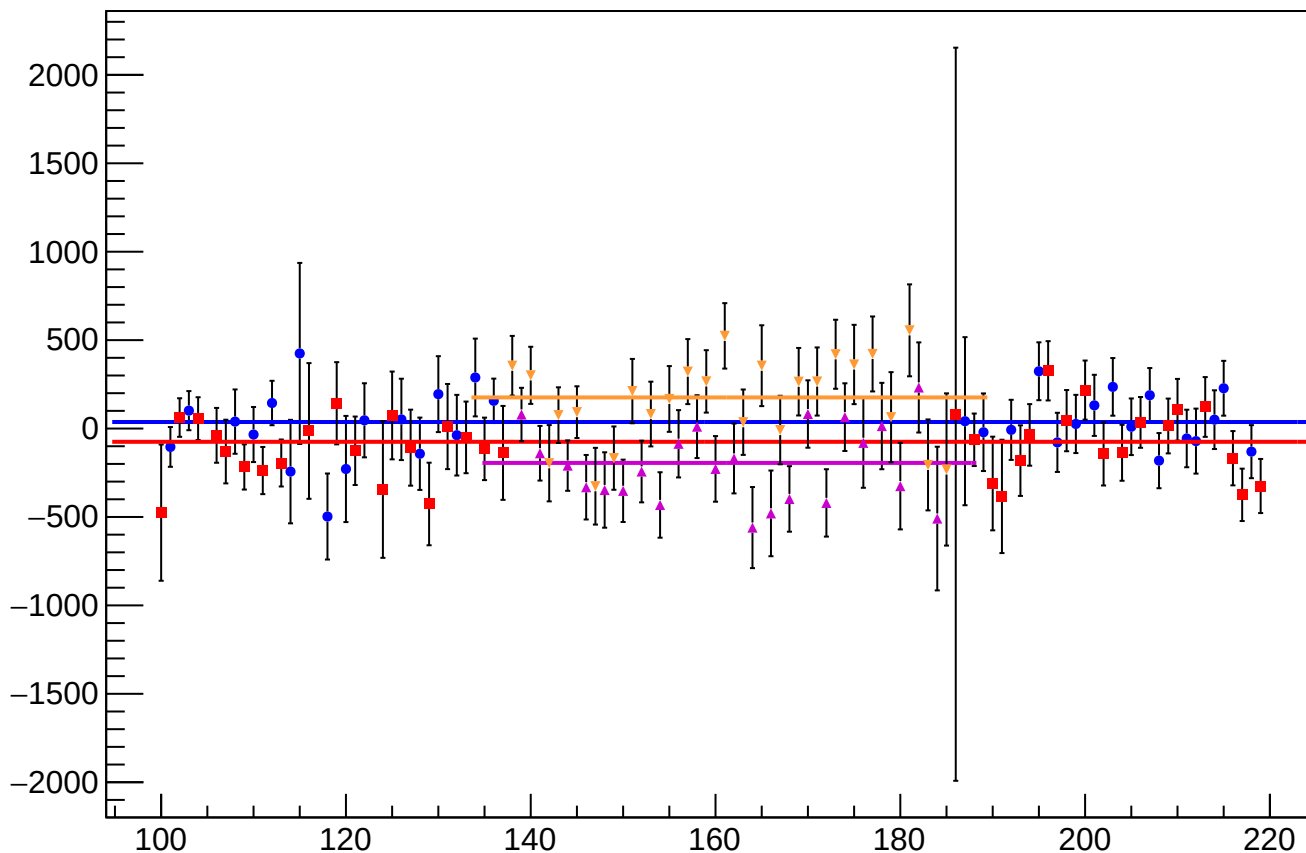
Left In: 1009.672+/-0.168 χ^2/NDF : 498783.5/22

+ sign 930.124+/-0.108 χ^2/NDF : 3555234.6/56

All: 917.205+/-0.075 χ^2/NDF : 8518714.0/116

- sign 904.839+/-0.105 χ^2/NDF : 4935241.9/59

eigen_dit_asym_sam5_mean vs Slug



Right In: 37.015 ± 30.386 χ^2/NDF : 25.5/31

Left Out: 176.011 ± 38.838 χ^2/NDF : 30.8/24

Right Out: -74.924 ± 28.855 χ^2/NDF : 34.0/36

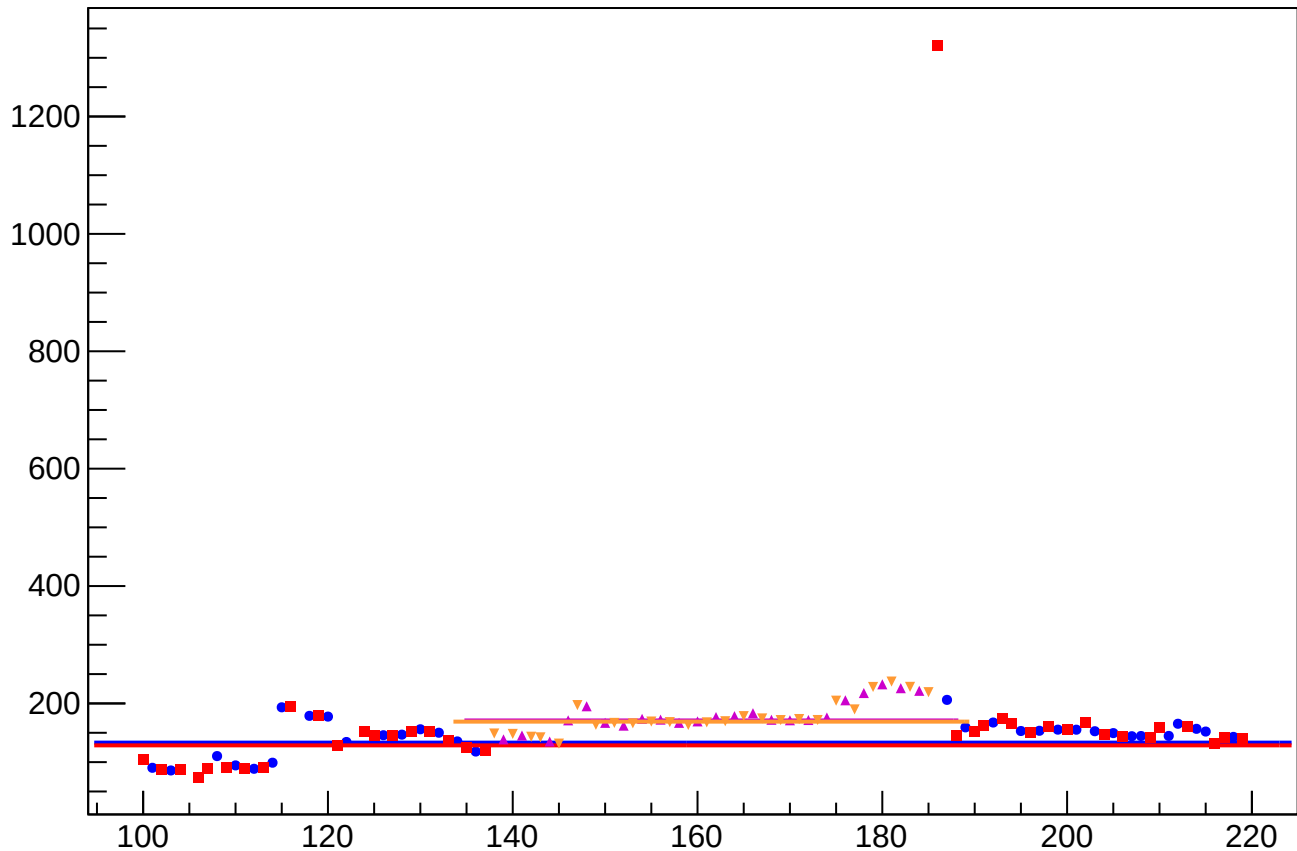
Left In: -194.324 ± 40.384 χ^2/NDF : 23.8/22

+ sign 89.792 ± 23.932 χ^2/NDF : 64.2/56

All: -14.707 ± 16.759 χ^2/NDF : 165.3/116

- sign -115.280 ± 23.478 χ^2/NDF : 63.7/59

eigen_dit_asym_sam5_rms vs Slug



Right In: 133.238 $\pm$ 0.021 χ^2 /NDF: 1815236.6/31

Left Out: 169.009 $\pm$ 0.027 χ^2 /NDF: 773925.9/24

Right Out: 128.579 $\pm$ 0.020 χ^2 /NDF: 3025699.8/36

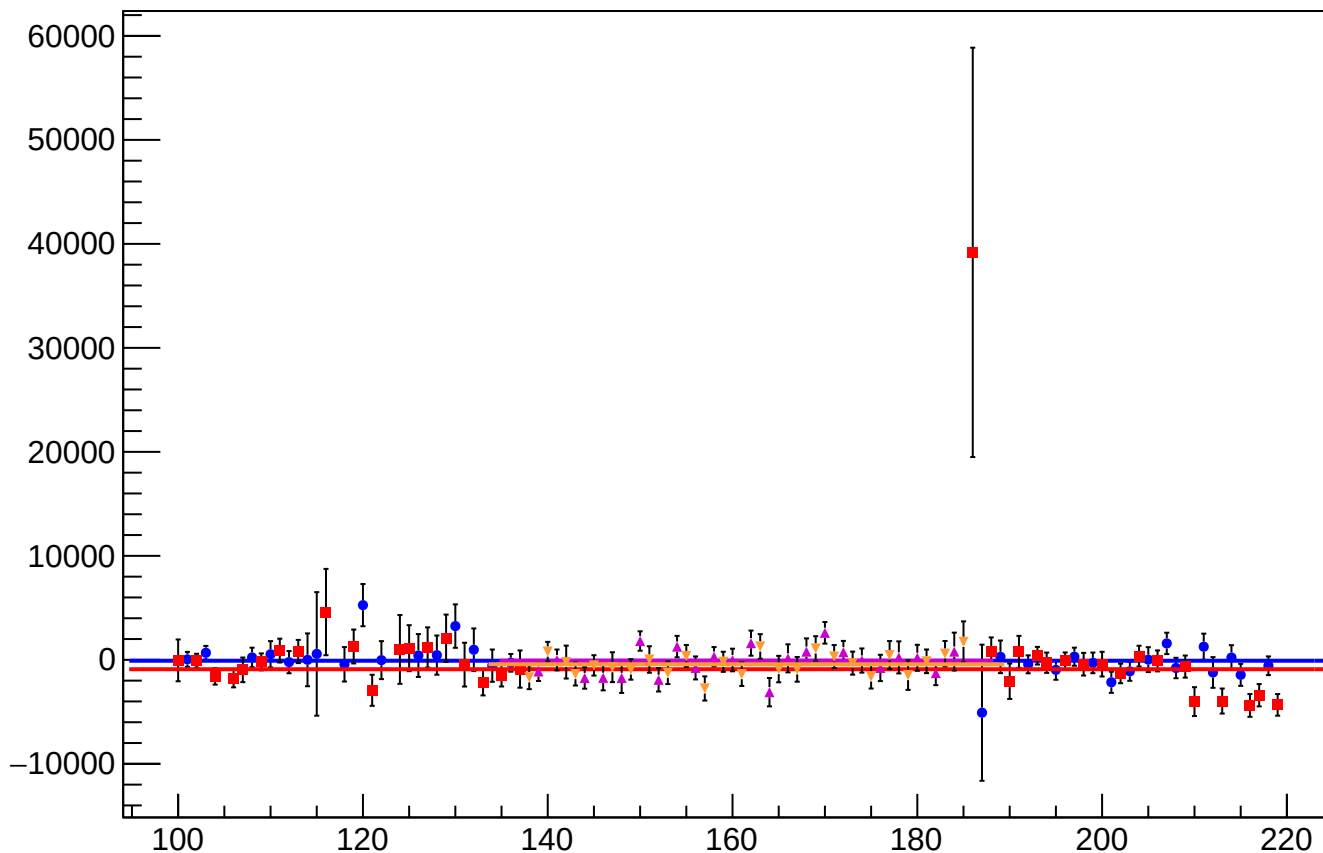
Left In: 171.021 $\pm$ 0.029 χ^2 /NDF: 678096.1/22

+ sign 146.821 $\pm$ 0.017 χ^2 /NDF: 3641580.2/56

All: 144.835 $\pm$ 0.012 χ^2 /NDF: 8834871.7/116

- sign 142.924 $\pm$ 0.017 χ^2 /NDF: 5166270.3/59

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: -85.493 ± 201.085 χ^2/NDF : 26.0/31

Left Out: -425.818 ± 232.561 χ^2/NDF : 18.4/24

Right Out: -902.107 ± 190.616 χ^2/NDF : 71.8/36

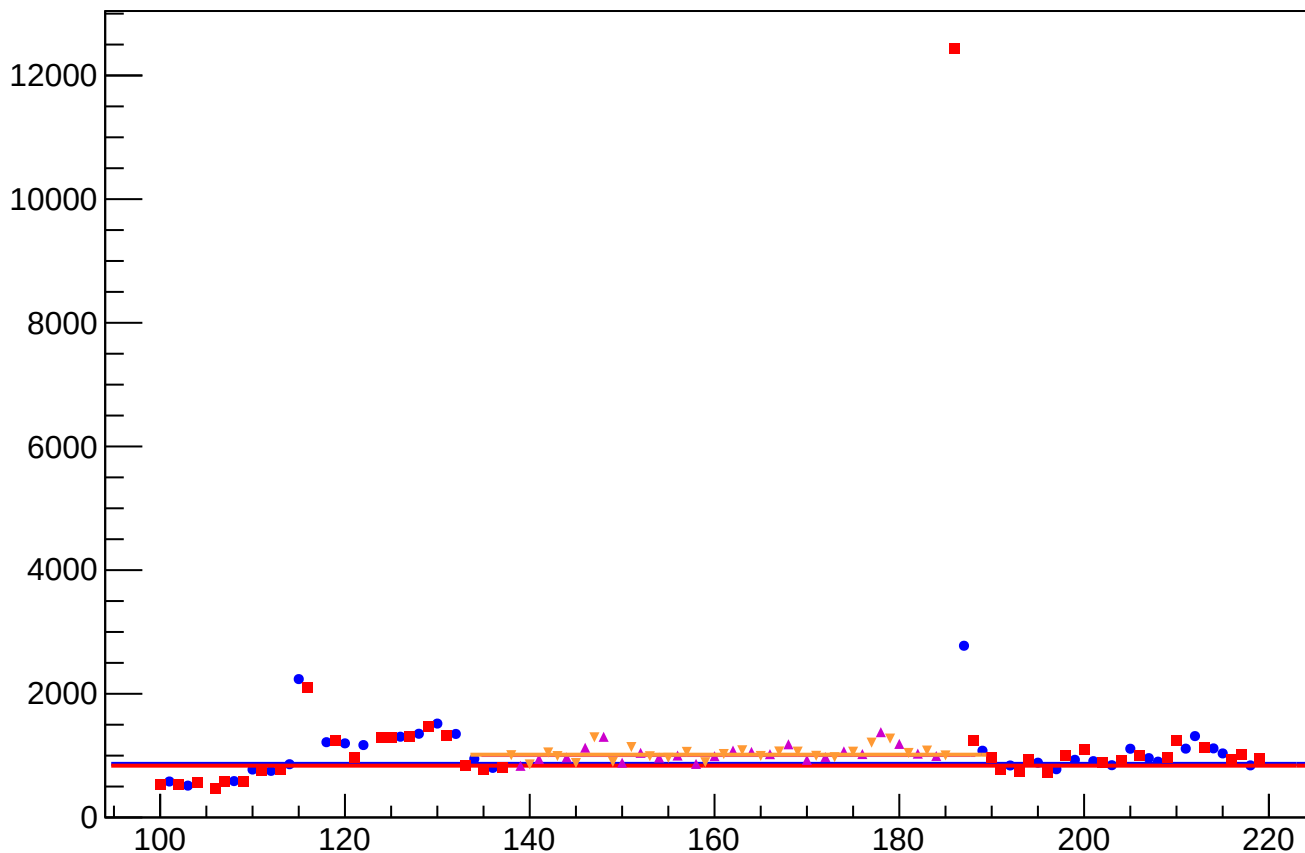
Left In: -86.487 ± 238.155 χ^2/NDF : 32.4/22

+ sign -231.083 ± 152.109 χ^2/NDF : 45.6/56

All: -411.211 ± 106.375 χ^2/NDF : 159.7/116

- sign -583.628 ± 148.818 χ^2/NDF : 111.4/59

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 866.634 $\pm$ 0.142 χ^2 /NDF: 2691205.9/31

Left Out: 1015.047 $\pm$ 0.164 χ^2 /NDF: 397964.6/24

Right Out: 837.680 $\pm$ 0.135 χ^2 /NDF: 3800667.5/36

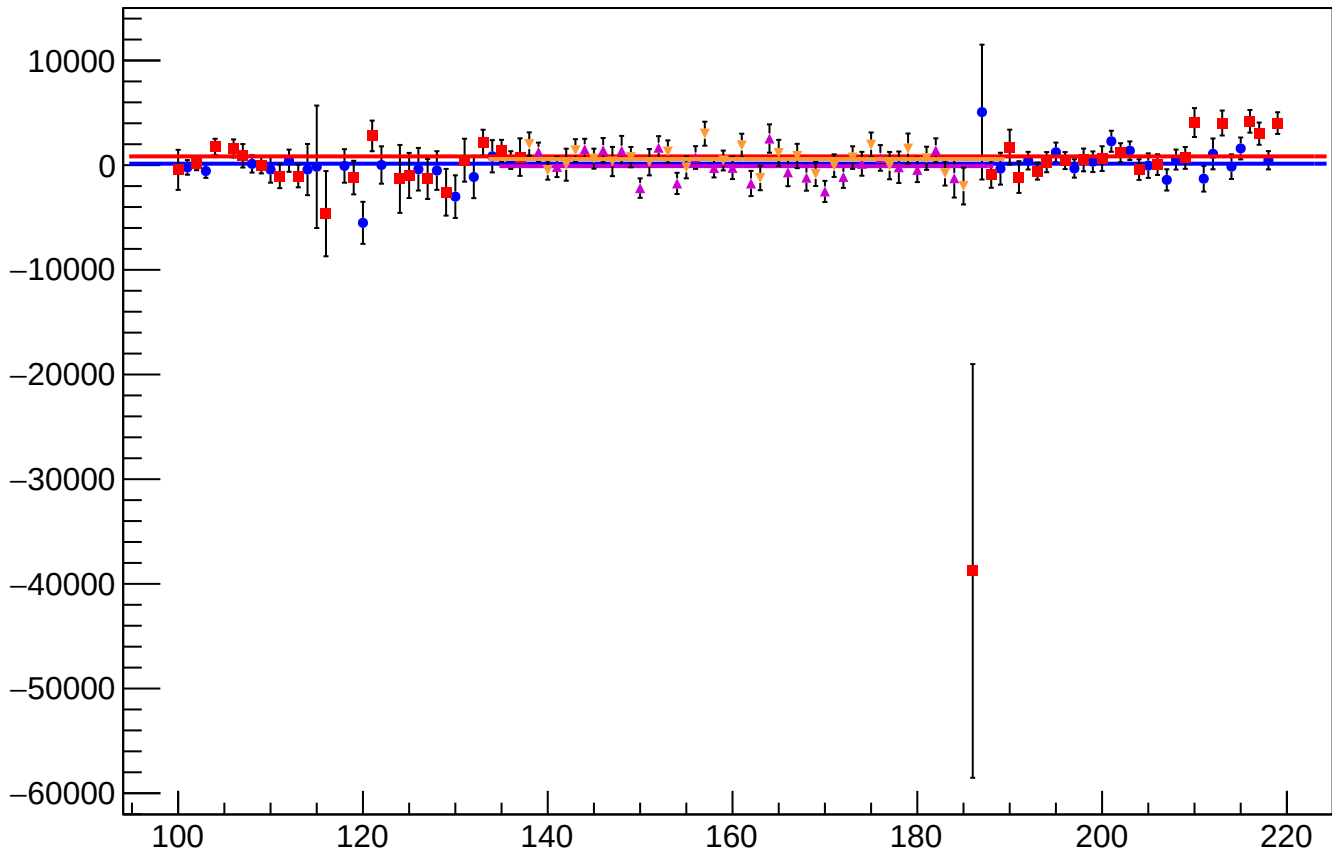
Left In: 1009.673 $\pm$ 0.168 χ^2 /NDF: 498783.6/22

+ sign 930.125 $\pm$ 0.108 χ^2 /NDF: 3555243.8/56

All: 917.205 $\pm$ 0.075 χ^2 /NDF: 8518739.6/116

- sign 904.839 $\pm$ 0.105 χ^2 /NDF: 4935258.2/59

asym_sam5_mean vs Slug



Right In: 140.735 $\pm$ 196.764 χ^2 /NDF: 28.4/31

Left Out: 586.188 $\pm$ 227.585 χ^2 /NDF: 20.8/24

Right Out: 837.436 $\pm$ 187.242 χ^2 /NDF: 71.6/36

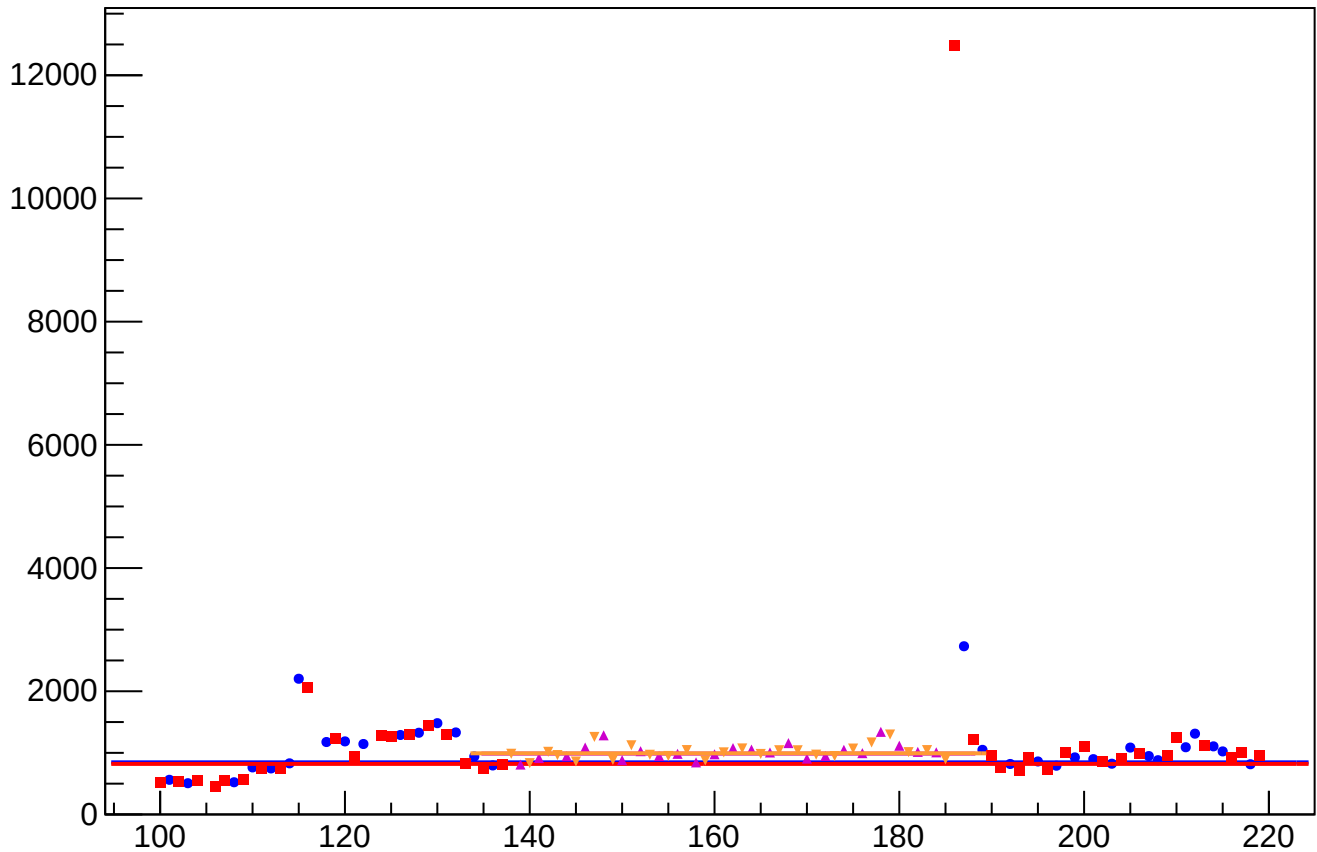
Left In: -92.688 $\pm$ 233.019 χ^2 /NDF: 34.6/22

+ sign 331.277 $\pm$ 148.846 χ^2 /NDF: 51.4/56

All: 403.272 $\pm$ 104.214 χ^2 /NDF: 167.7/116

- sign 472.501 $\pm$ 145.959 χ^2 /NDF: 115.8/59

asym_sam5_rms vs Slug



Right In: 845.761+/-0.139 χ^2/NDF : 2834575.8/31

Left Out: 992.549+/-0.161 χ^2/NDF : 424899.6/24

Right Out: 820.811+/-0.132 χ^2/NDF : 3925655.8/36

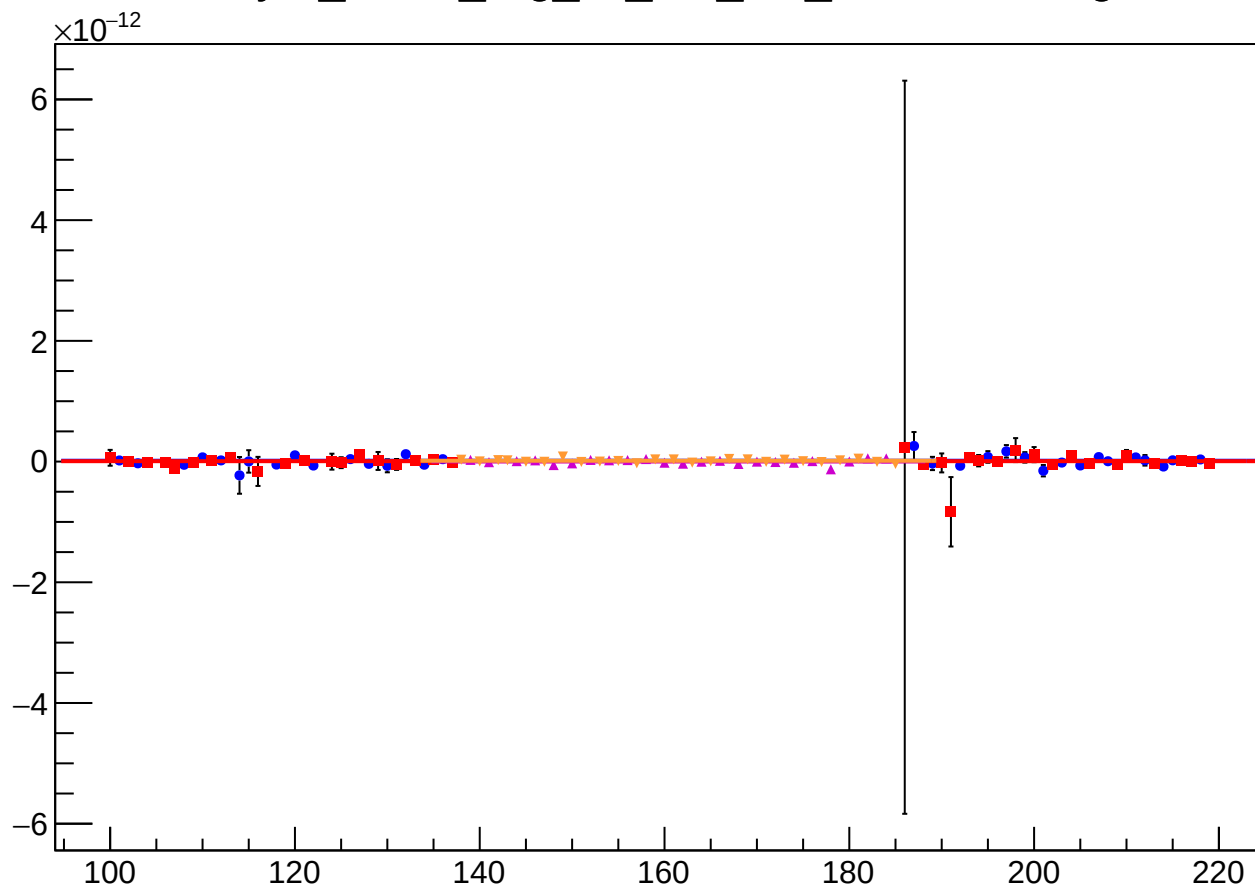
Left In: 987.784+/-0.165 χ^2/NDF : 487733.2/22

+ sign 908.550+/-0.105 χ^2/NDF : 3735586.4/56

All: 897.219+/-0.074 χ^2/NDF : 8795721.4/116

- sign 886.323+/-0.103 χ^2/NDF : 5037400.2/59

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 33.7/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 23.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.4/36

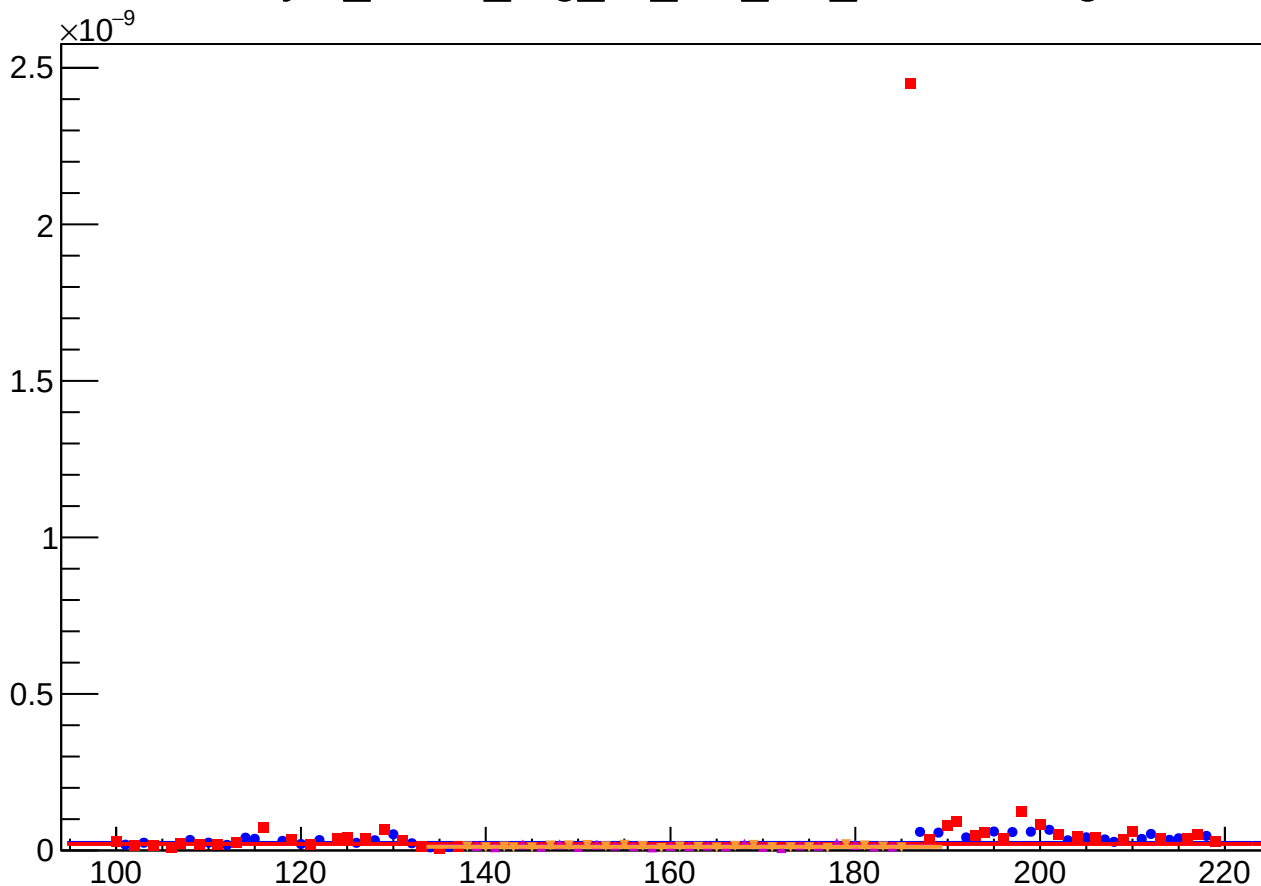
Left In: 0.000 ± 0.000 χ^2/NDF : 28.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 56.9/56

All: 0.000 ± 0.000 χ^2/NDF : 113.1/116

- sign 0.000 ± 0.000 χ^2/NDF : 53.6/59

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4505777.8/31

Left Out: 0.000+/-0.000 χ^2/NDF : 762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7090911.6/36

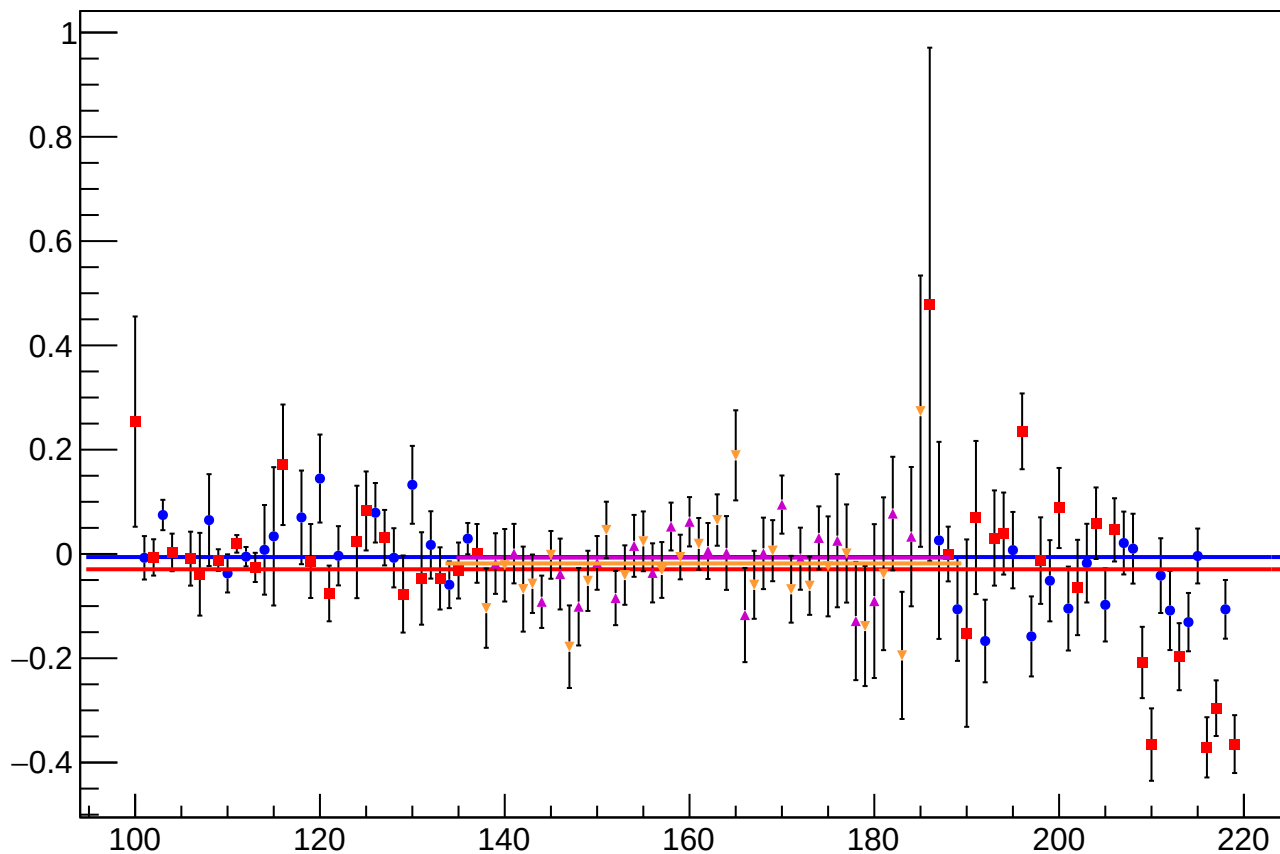
Left In: 0.000+/-0.000 χ^2/NDF : 853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 8196273.2/56

All: 0.000+/-0.000 χ^2/NDF : 17374141.4/116

- sign 0.000+/-0.000 χ^2/NDF : 9078442.6/59

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: -0.006 ± 0.009 χ^2/NDF : 44.9/31

Left Out: -0.018 ± 0.013 χ^2/NDF : 24.3/24

Right Out: -0.029 ± 0.008 χ^2/NDF : 176.7/36

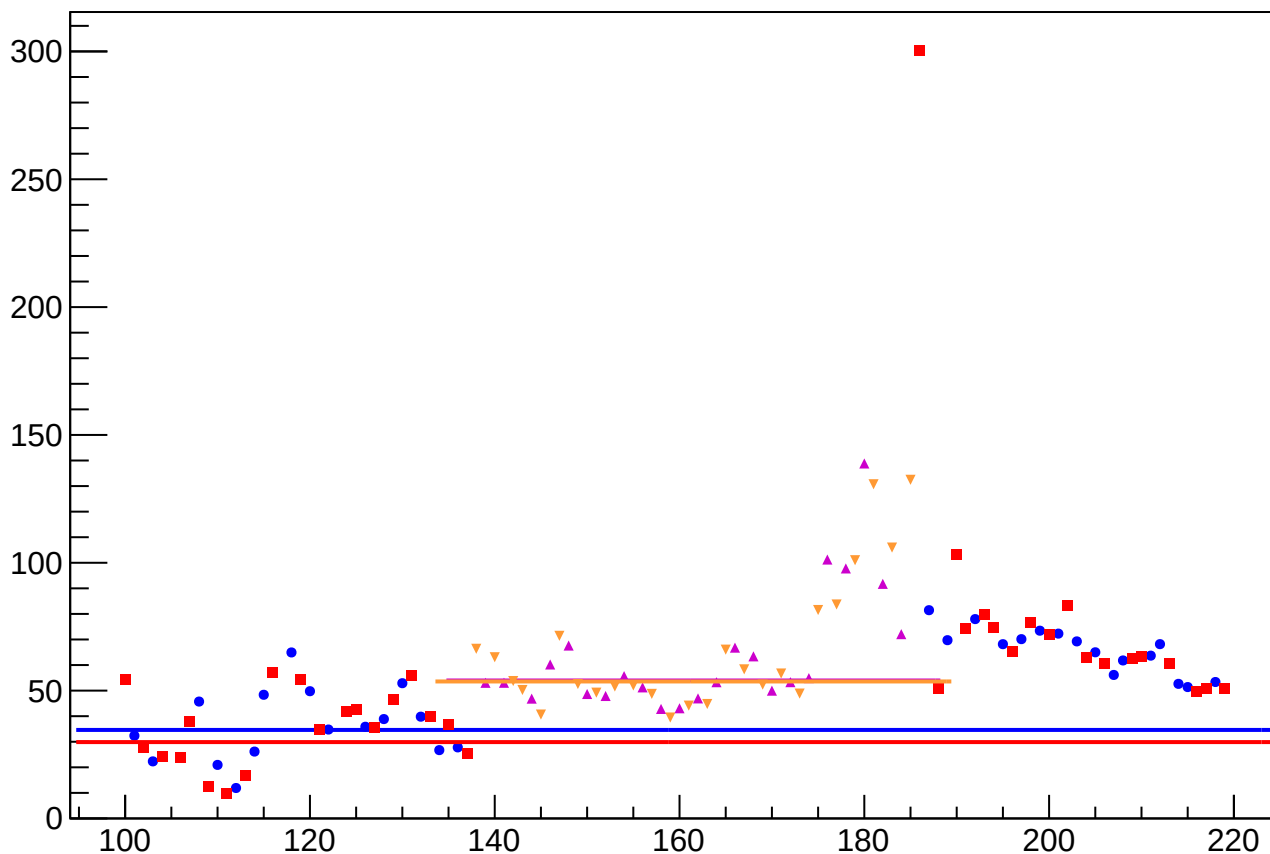
Left In: -0.007 ± 0.013 χ^2/NDF : 18.7/22

+ sign -0.010 ± 0.007 χ^2/NDF : 69.8/56

All: -0.017 ± 0.005 χ^2/NDF : 269.0/116

- sign -0.023 ± 0.007 χ^2/NDF : 197.5/59

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 34.623 ± 0.006 χ^2/NDF : 9776299.1/31

Left Out: 53.582 ± 0.009 χ^2/NDF : 2642509.0/24

Right Out: 29.868 ± 0.006 χ^2/NDF : 13923181.0/36

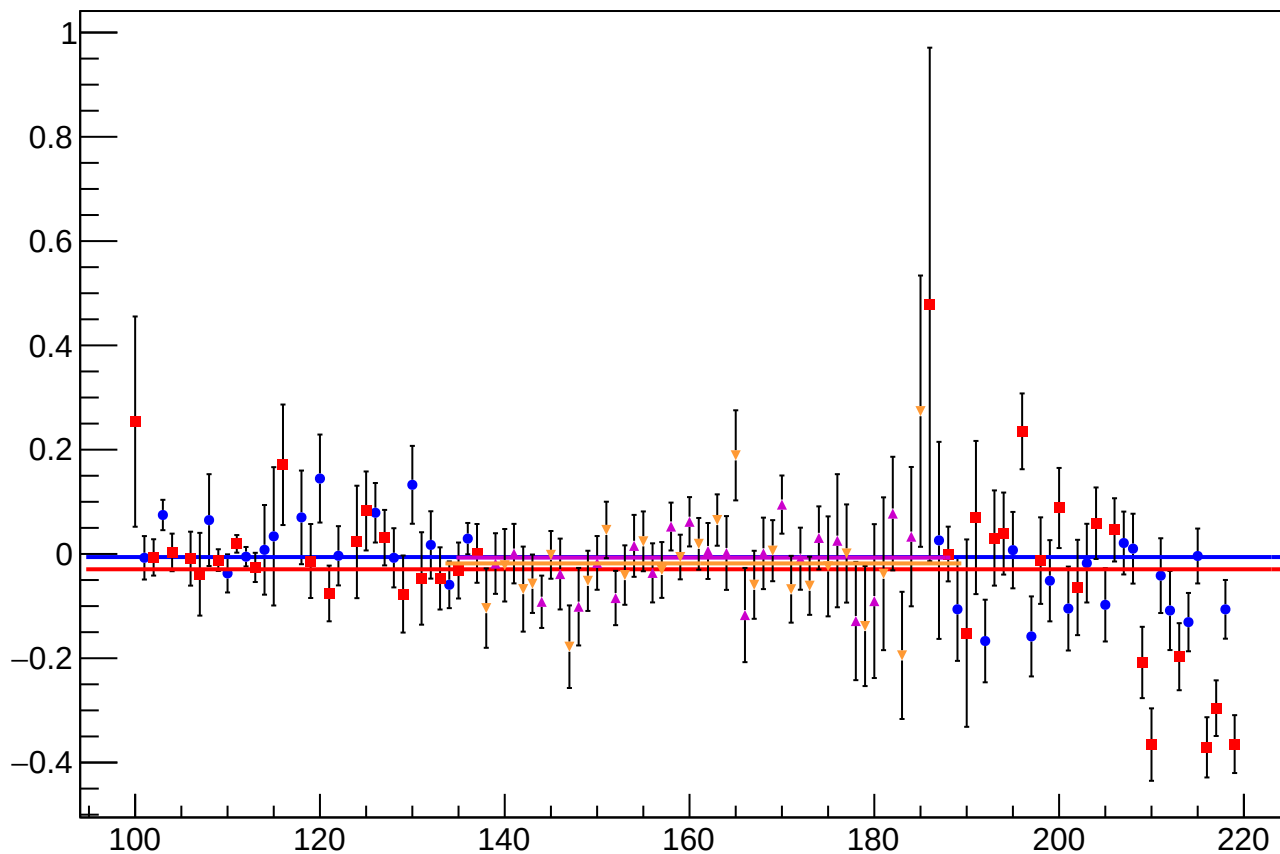
Left In: 53.961 ± 0.009 χ^2/NDF : 2039530.1/22

+ sign 40.970 ± 0.005 χ^2/NDF : 15337283.4/56

All: 38.563 ± 0.004 χ^2/NDF : 36536881.4/116

- sign 36.470 ± 0.005 χ^2/NDF : 20804738.9/59

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006 ± 0.009 χ^2/NDF : 44.9/31

Left Out: -0.018 ± 0.013 χ^2/NDF : 24.3/24

Right Out: -0.029 ± 0.008 χ^2/NDF : 176.7/36

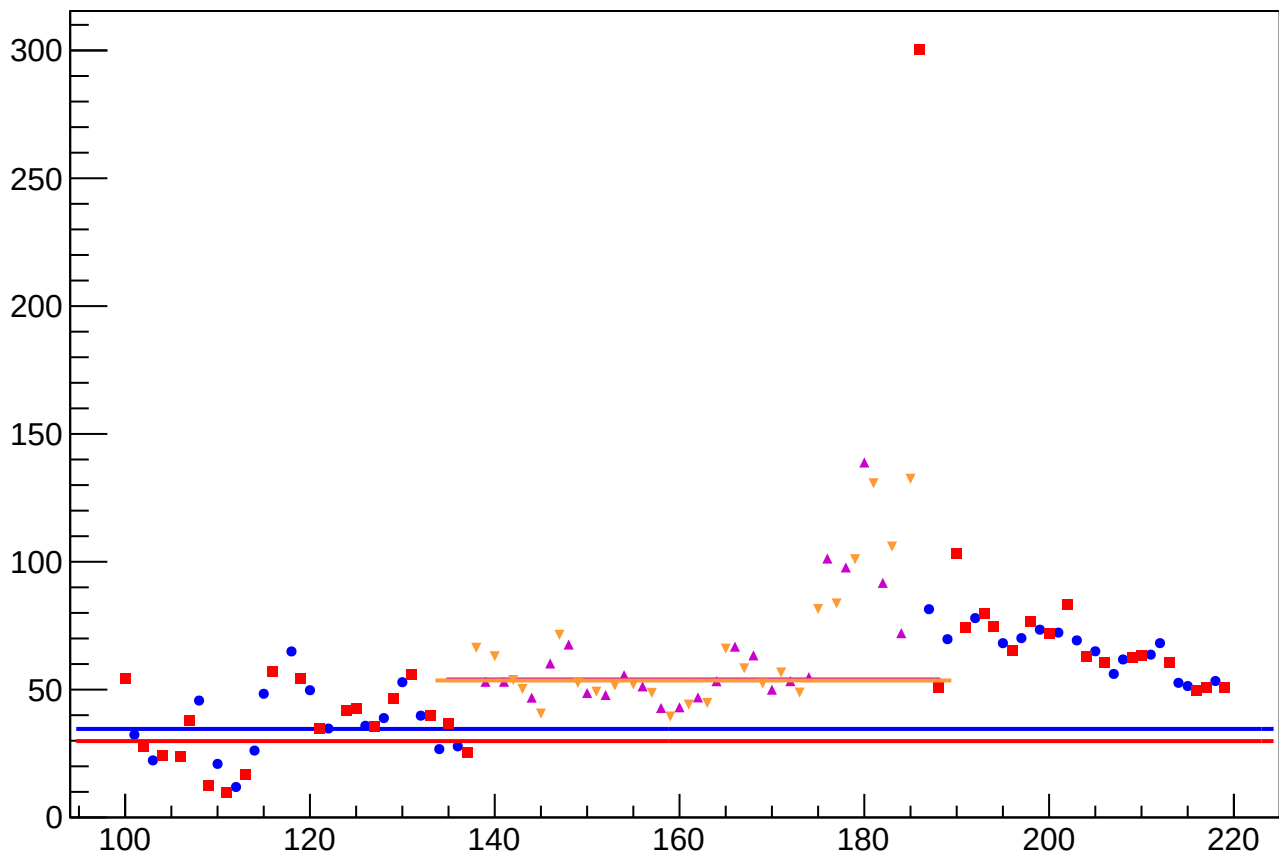
Left In: -0.007 ± 0.013 χ^2/NDF : 18.7/22

+ sign -0.010 ± 0.007 χ^2/NDF : 69.8/56

All: -0.017 ± 0.005 χ^2/NDF : 269.0/116

- sign -0.023 ± 0.007 χ^2/NDF : 197.5/59

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.623 $\pm$ 0.006 χ^2 /NDF: 9776299.1/31

Left Out: 53.582 $\pm$ 0.009 χ^2 /NDF: 2642509.0/24

Right Out: 29.868 $\pm$ 0.006 χ^2 /NDF: 13923181.0/36

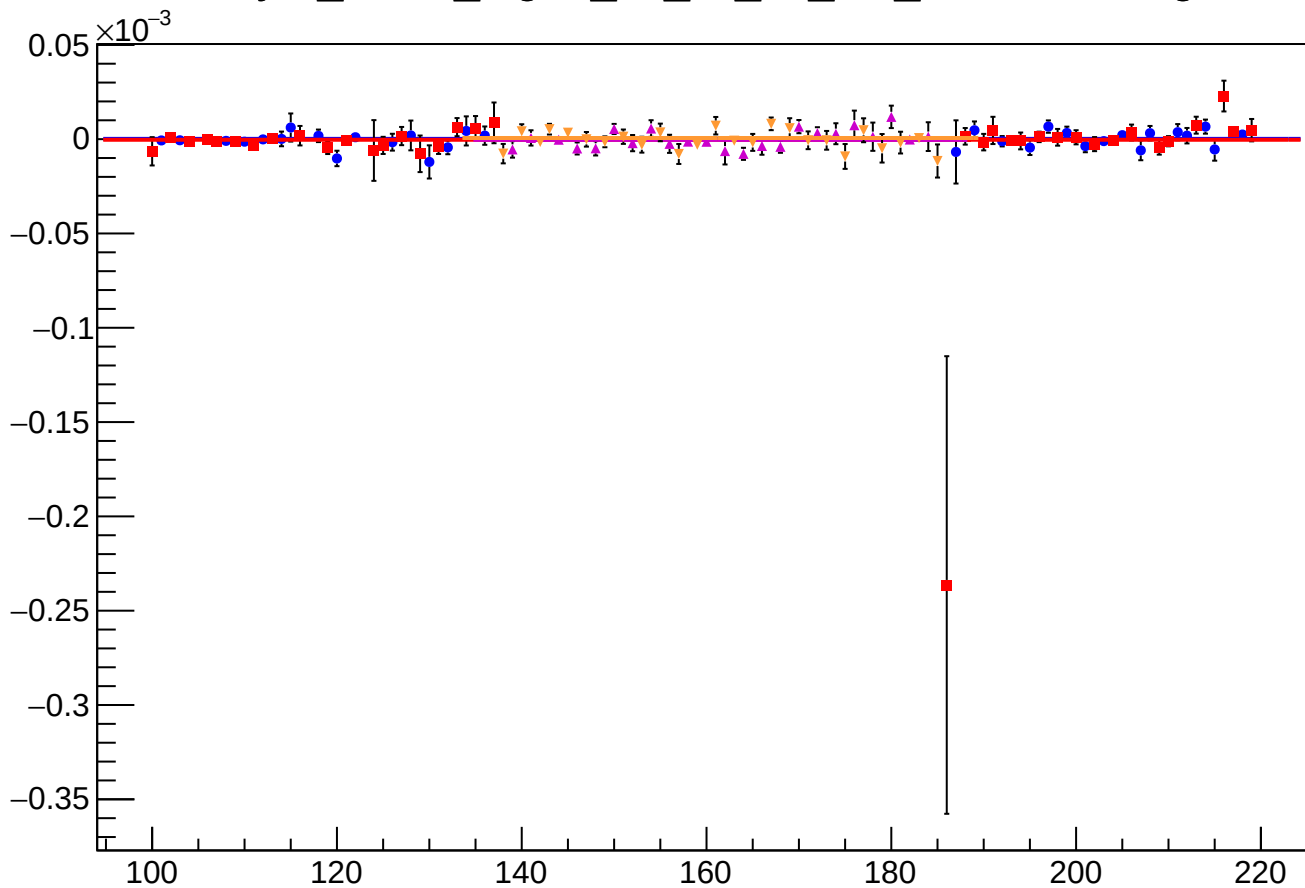
Left In: 53.961 $\pm$ 0.009 χ^2 /NDF: 2039530.1/22

+ sign 40.970 $\pm$ 0.005 χ^2 /NDF: 15337283.4/56

All: 38.563 $\pm$ 0.004 χ^2 /NDF: 36536881.4/116

- sign 36.470 $\pm$ 0.005 χ^2 /NDF: 20804738.9/59

asym_sam5_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.6/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:31.0/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.2/36

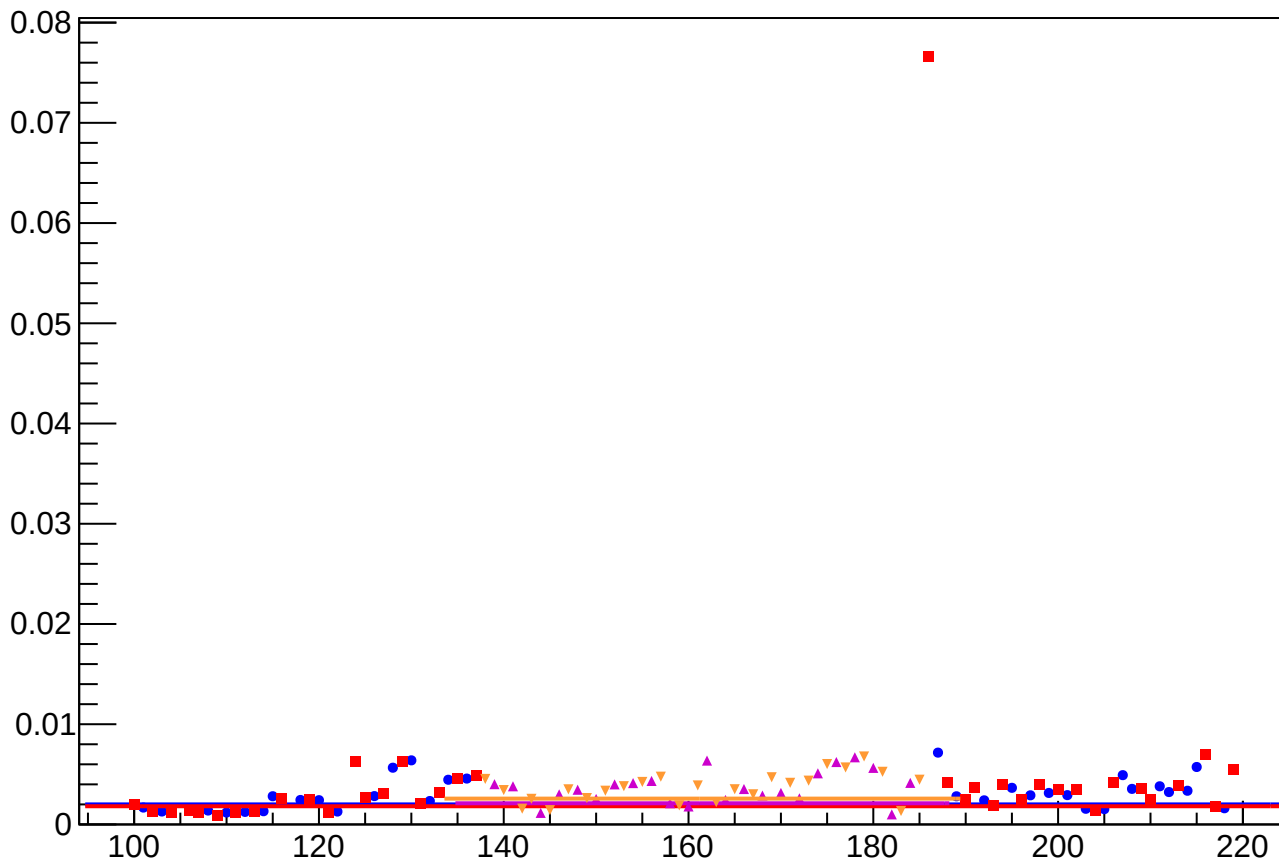
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:30.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 62.8/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 132.4/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 68.1/59

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 7468687.9/31

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 7112963.2/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 10599142.3/36

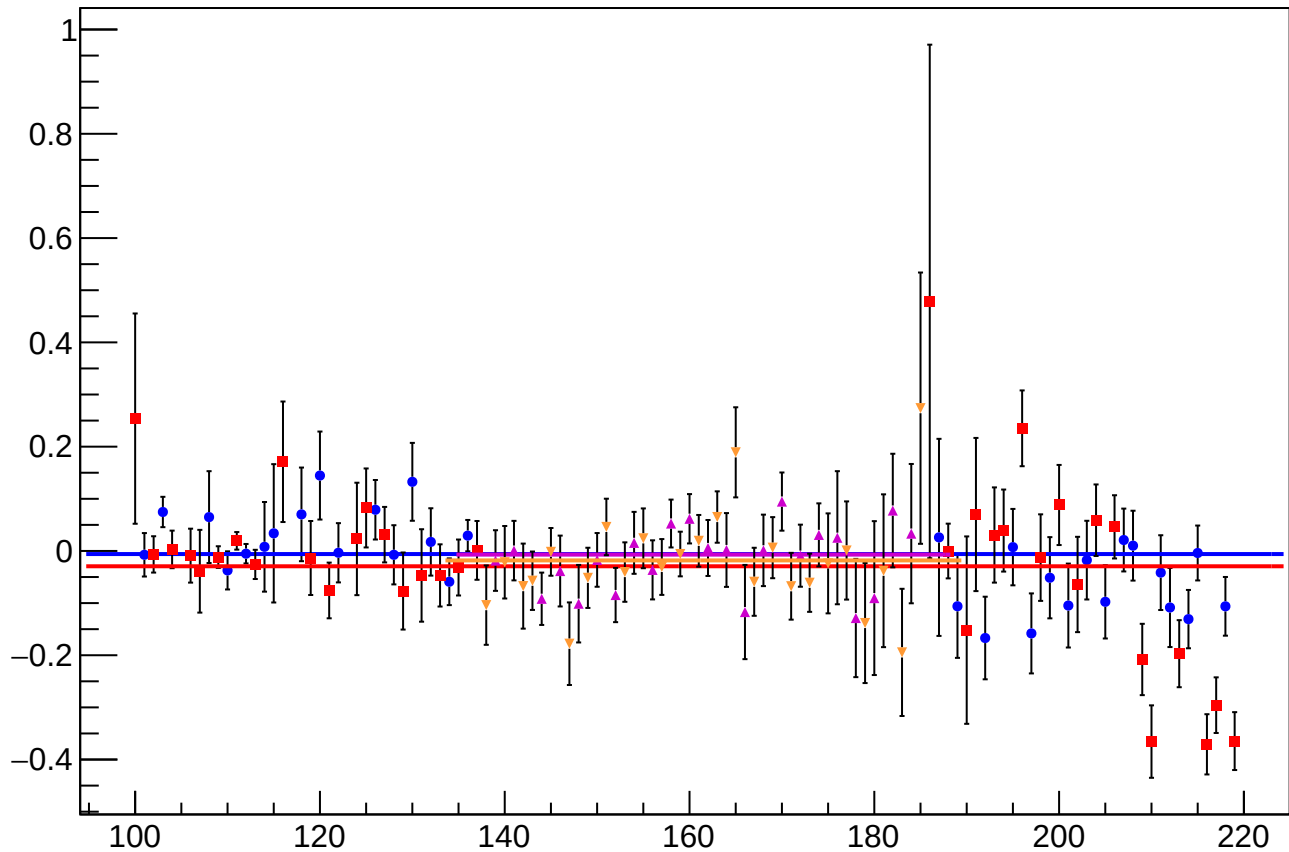
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 9487138.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 15526720.2/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 36474412.1/116

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 20402932.4/59

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006 ± 0.009 χ^2/NDF : 44.9/31

Left Out: -0.018 ± 0.013 χ^2/NDF : 24.3/24

Right Out: -0.029 ± 0.008 χ^2/NDF : 176.7/36

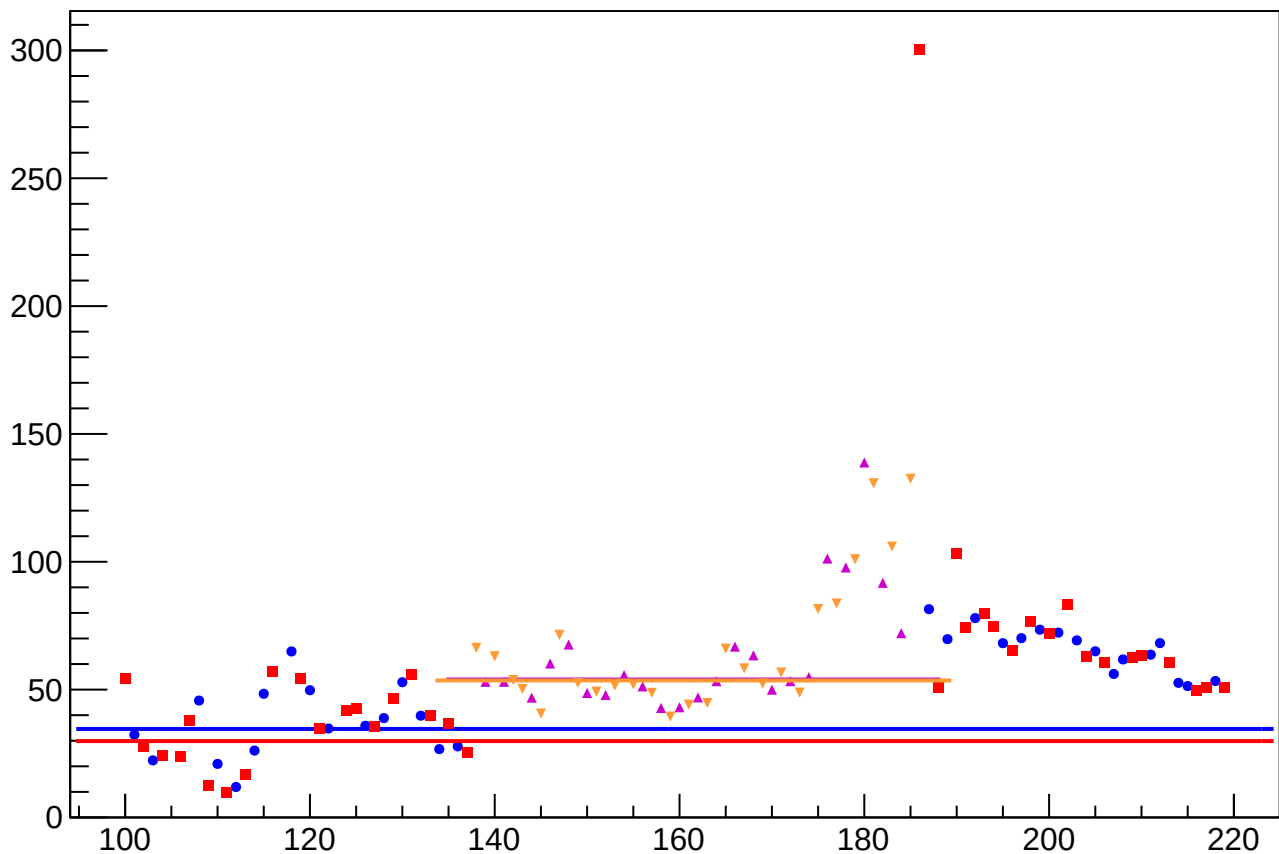
Left In: -0.007 ± 0.013 χ^2/NDF : 18.7/22

+ sign -0.010 ± 0.007 χ^2/NDF : 69.8/56

All: -0.017 ± 0.005 χ^2/NDF : 269.0/116

- sign -0.023 ± 0.007 χ^2/NDF : 197.5/59

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.622 $\pm$ 0.006 χ^2 /NDF: 9776459.2/31

Left Out: 53.582 $\pm$ 0.009 χ^2 /NDF: 2642554.6/24

Right Out: 29.868 $\pm$ 0.006 χ^2 /NDF: 13923408.8/36

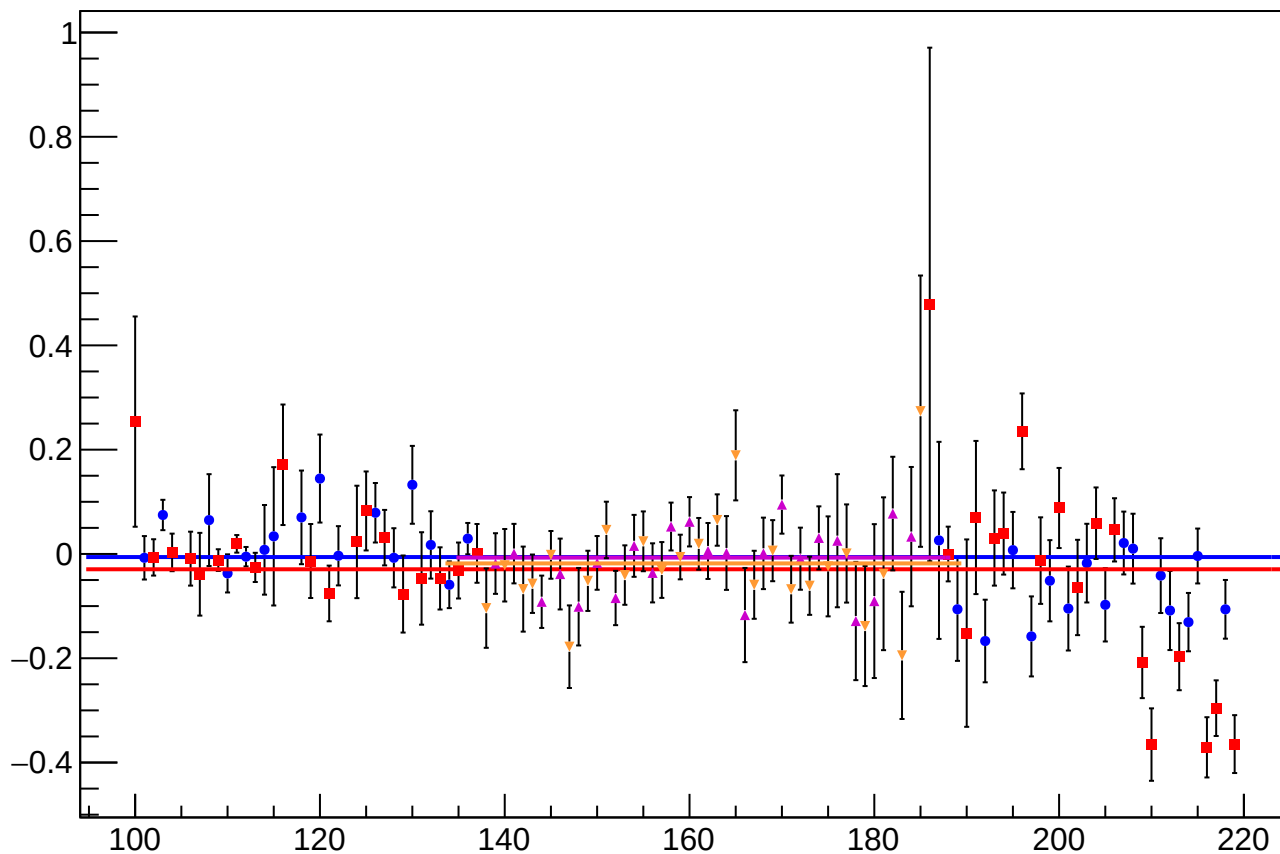
Left In: 53.961 $\pm$ 0.009 χ^2 /NDF: 2039571.7/22

+ sign 40.969 $\pm$ 0.005 χ^2 /NDF: 15337800.5/56

All: 38.562 $\pm$ 0.004 χ^2 /NDF: 36538132.7/116

- sign 36.470 $\pm$ 0.005 χ^2 /NDF: 20805437.6/59

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006 ± 0.009 χ^2/NDF : 44.9/31

Left Out: -0.018 ± 0.013 χ^2/NDF : 24.3/24

Right Out: -0.029 ± 0.008 χ^2/NDF : 176.7/36

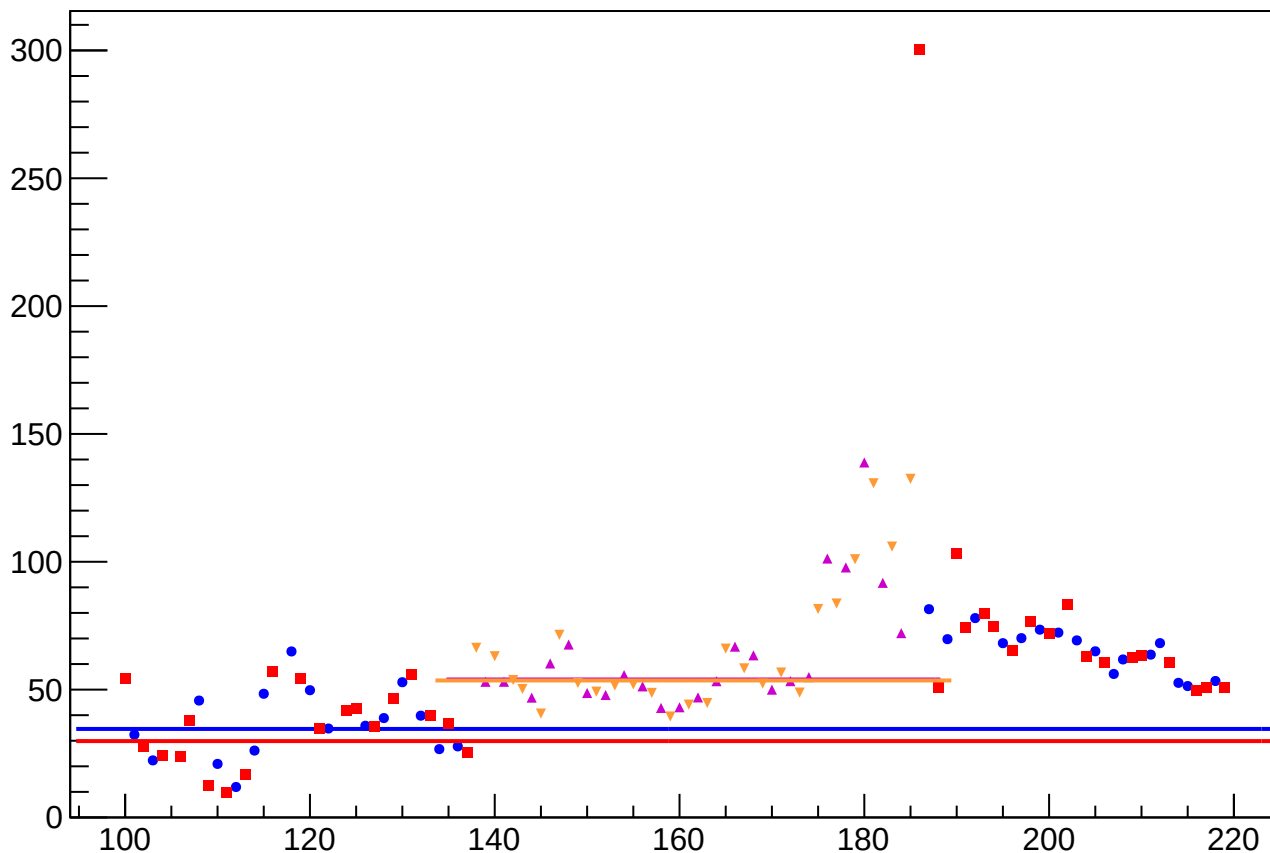
Left In: -0.007 ± 0.013 χ^2/NDF : 18.7/22

+ sign -0.010 ± 0.007 χ^2/NDF : 69.8/56

All: -0.017 ± 0.005 χ^2/NDF : 269.0/116

- sign -0.023 ± 0.007 χ^2/NDF : 197.5/59

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.622 $\pm$ 0.006 χ^2 /NDF: 9776459.2/31

Left Out: 53.582 $\pm$ 0.009 χ^2 /NDF: 2642554.6/24

Right Out: 29.868 $\pm$ 0.006 χ^2 /NDF: 13923408.8/36

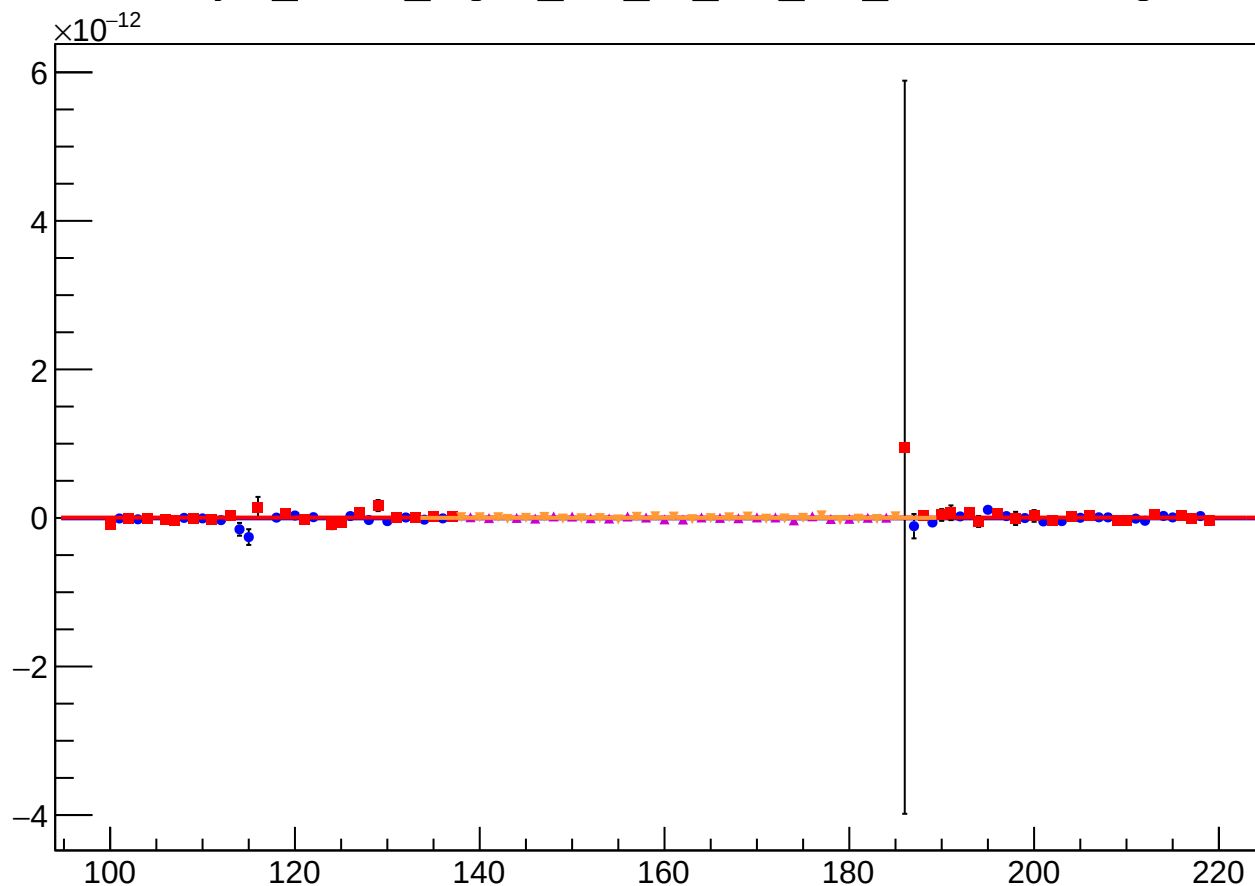
Left In: 53.961 $\pm$ 0.009 χ^2 /NDF: 2039571.7/22

+ sign 40.969 $\pm$ 0.005 χ^2 /NDF: 15337800.5/56

All: 38.562 $\pm$ 0.004 χ^2 /NDF: 36538132.7/116

- sign 36.470 $\pm$ 0.005 χ^2 /NDF: 20805437.6/59

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.7/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 41.3/36

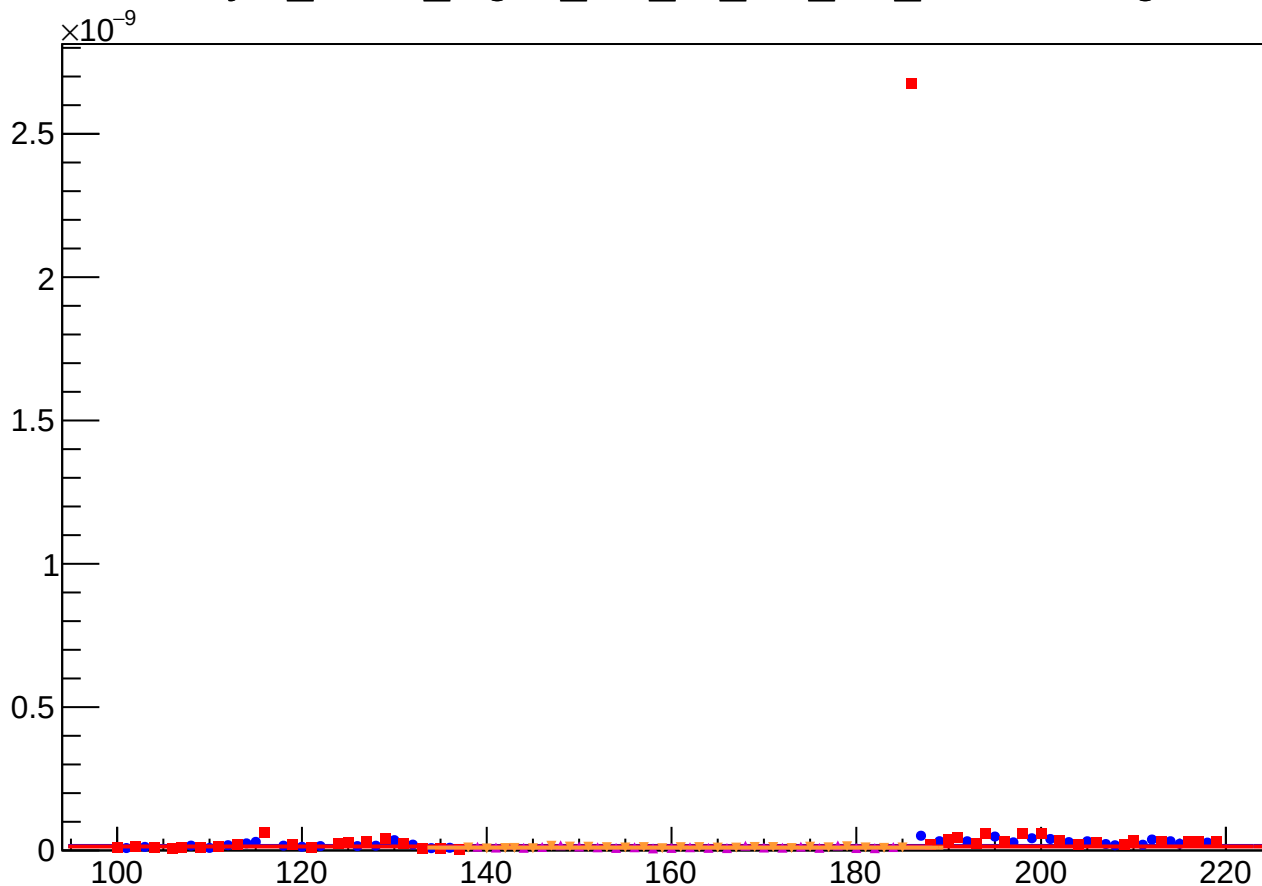
Left In: 0.000 ± 0.000 χ^2/NDF : 18.1/22

+ sign -0.000 ± 0.000 χ^2/NDF : 53.5/56

All: 0.000 ± 0.000 χ^2/NDF : 114.0/116

- sign 0.000 ± 0.000 χ^2/NDF : 60.1/59

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6260395.3/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10191052.7/36

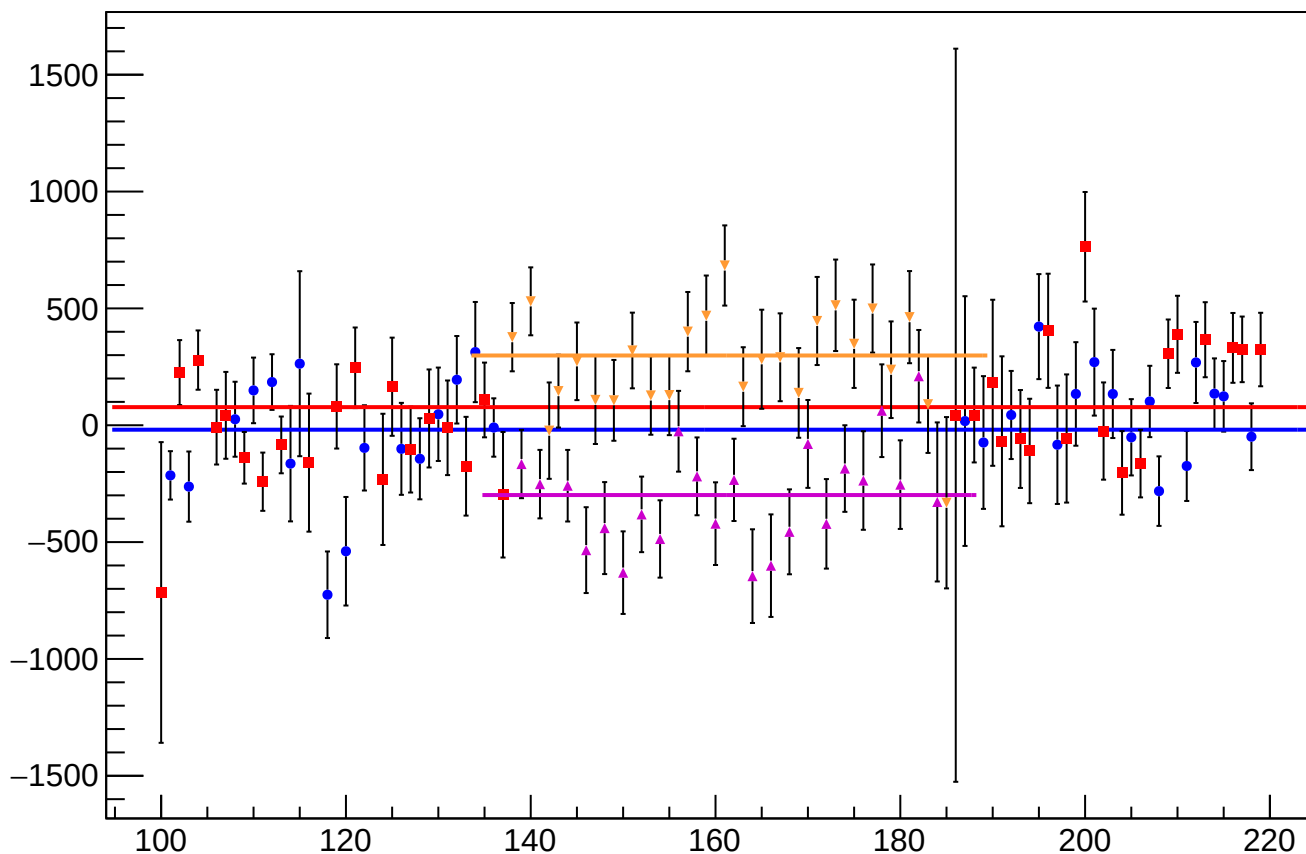
Left In: 0.000+/-0.000 χ^2/NDF : 1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 9538263.3/56

All: 0.000+/-0.000 χ^2/NDF : 21930749.7/116

- sign 0.000+/-0.000 χ^2/NDF : 12392265.8/59

reg_asym_sam6_mean vs Slug



Right In: -19.031 ± 30.373 $\chi^2/\text{NDF}: 52.1/31$

Left Out: 298.517 ± 36.051 $\chi^2/\text{NDF}: 26.0/24$

Right Out: 77.512 ± 29.443 $\chi^2/\text{NDF}: 60.5/36$

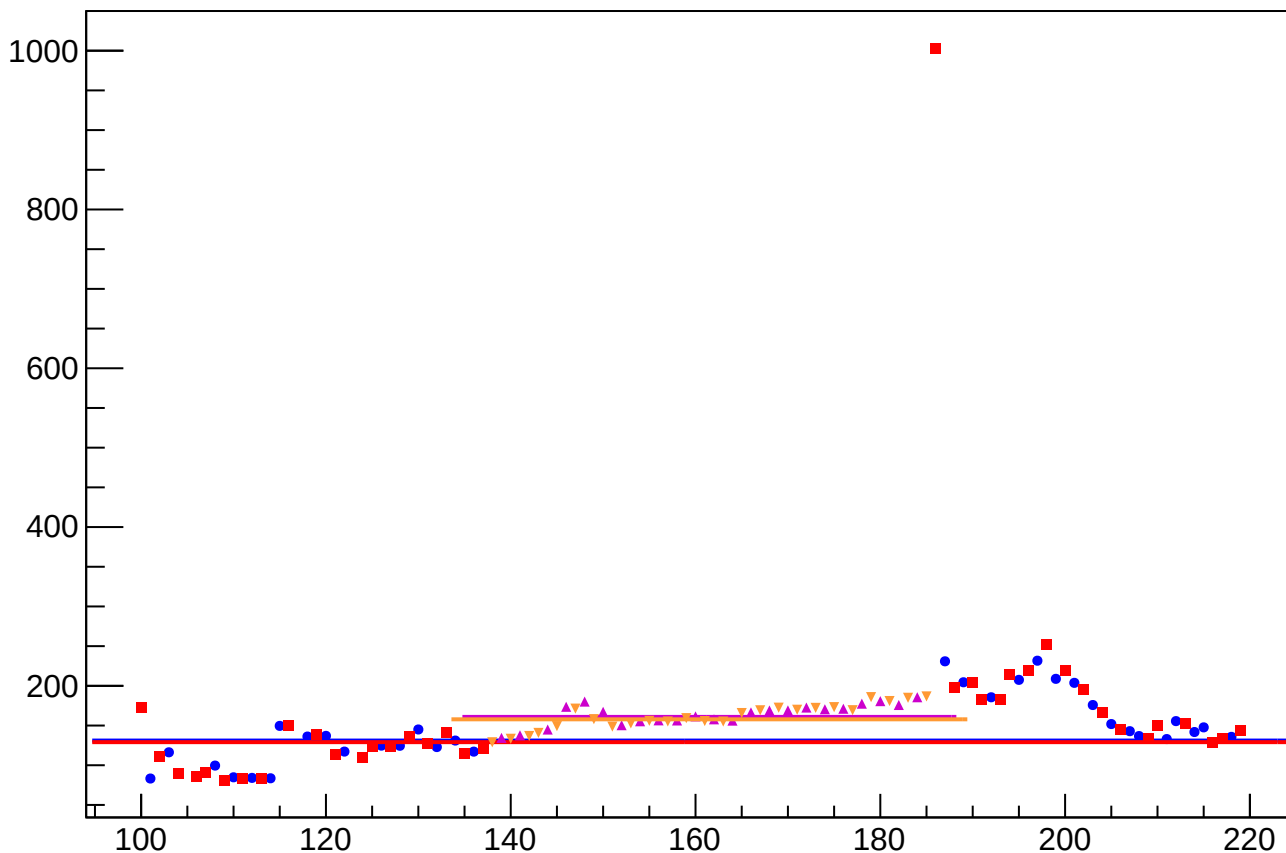
Left In: -298.675 ± 37.727 $\chi^2/\text{NDF}: 29.4/22$

+ sign 112.796 ± 23.228 $\chi^2/\text{NDF}: 123.5/56$

All: 23.893 ± 16.419 $\chi^2/\text{NDF}: 304.5/116$

- sign -64.880 ± 23.211 $\chi^2/\text{NDF}: 151.7/59$

reg_asym_sam6_rms vs Slug



Right In: 131.076+/-0.021 χ^2/NDF : 2791023.3/31

Left Out: 157.836+/-0.025 χ^2/NDF : 377205.2/24

Right Out: 129.086+/-0.021 χ^2/NDF : 4268901.9/36

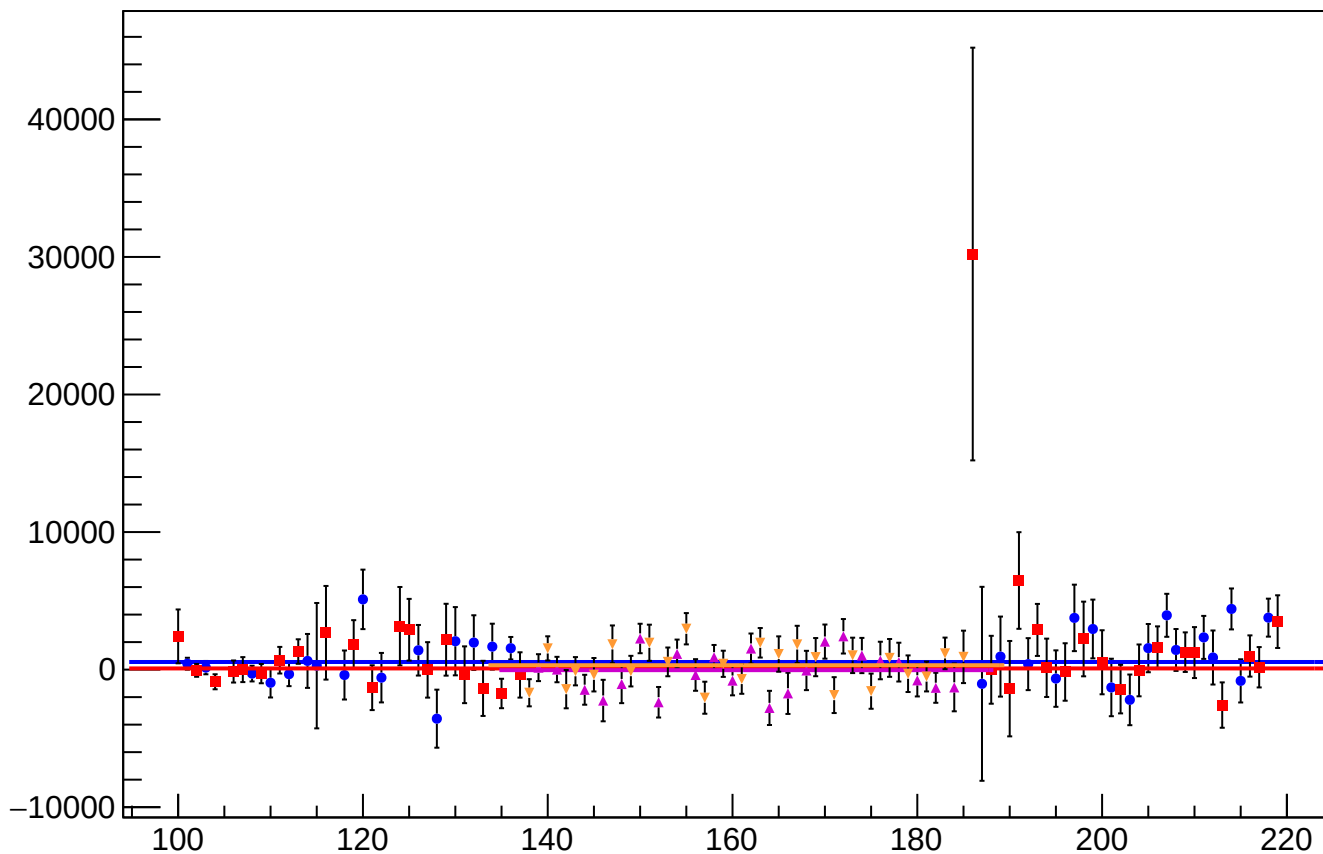
Left In: 160.874+/-0.027 χ^2/NDF : 268330.7/22

+ sign 142.185+/-0.016 χ^2/NDF : 3812759.9/56

All: 141.651+/-0.012 χ^2/NDF : 9234588.1/116

- sign 141.118+/-0.016 χ^2/NDF : 5419716.1/59

asym_sam6_reg_correction_mean vs Slug



Right In: 554.101+/-205.927 χ^2/NDF : 44.1/31

Left Out: 319.947+/-235.084 χ^2/NDF : 32.5/24

Right Out: 85.696+/-207.149 χ^2/NDF : 35.9/36

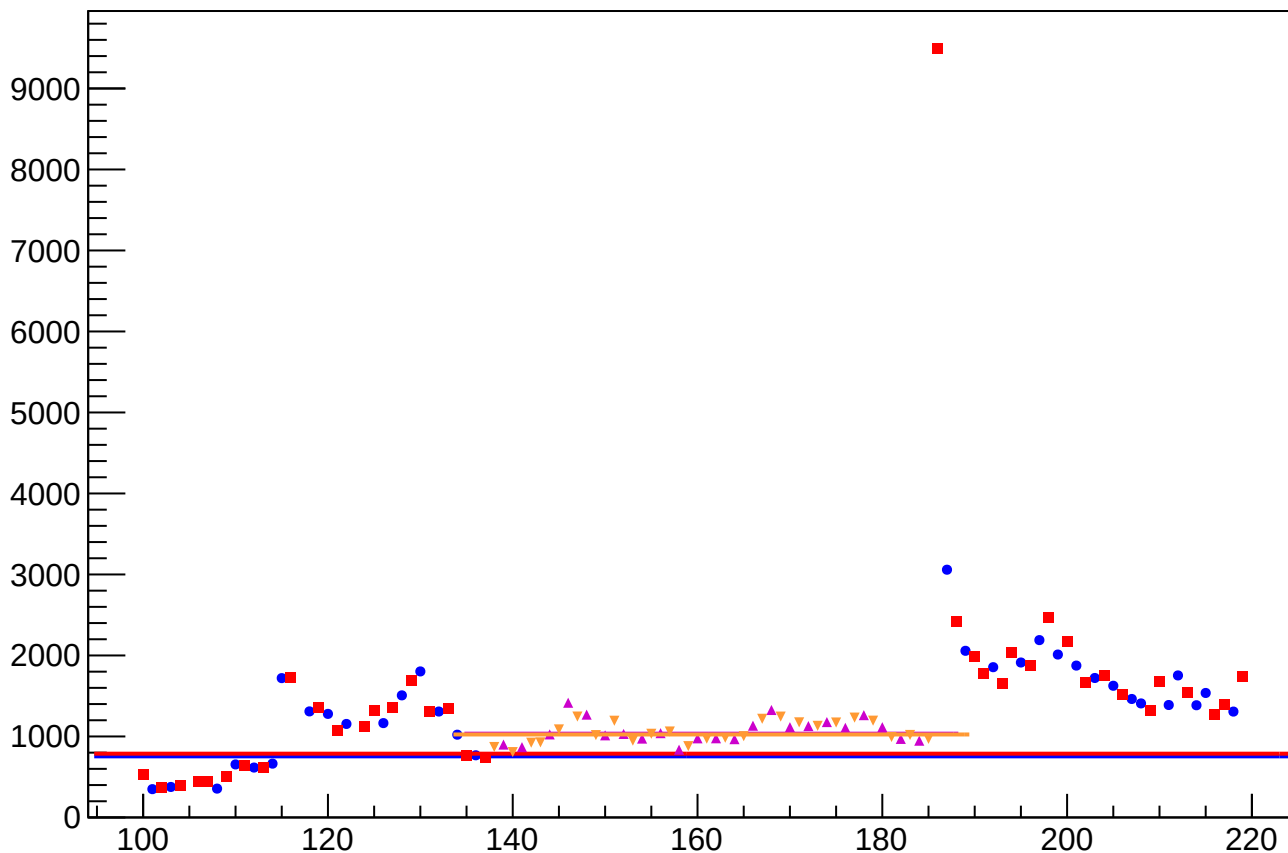
Left In: -39.197+/-244.156 χ^2/NDF : 34.8/22

+ sign 452.437+/-154.901 χ^2/NDF : 77.2/56

All: 247.022+/-110.596 χ^2/NDF : 151.6/116

- sign 33.422+/-157.957 χ^2/NDF : 70.8/59

asym_sam6_reg_correction_rms vs Slug



Right In: 754.494+/-0.146 χ^2/NDF : 13183743.9/31

Left Out: 1024.493+/-0.166 χ^2/NDF : 597629.4/24

Right Out: 787.279+/-0.146 χ^2/NDF : 13741708.3/36

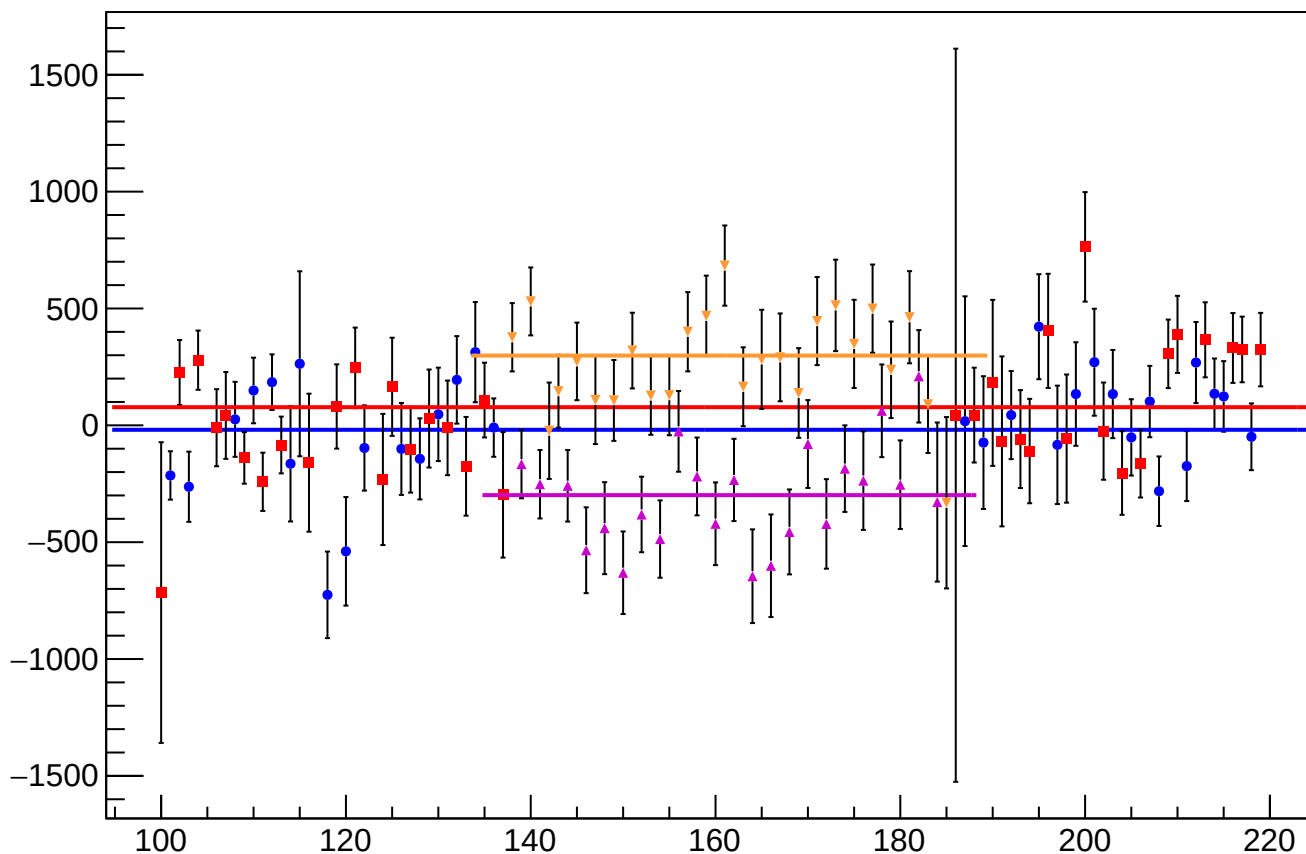
Left In: 1034.428+/-0.173 χ^2/NDF : 628477.2/22

+ sign 871.721+/-0.110 χ^2/NDF : 15274139.1/56

All: 881.036+/-0.078 χ^2/NDF : 30850666.8/1

- sign 890.722+/-0.112 χ^2/NDF : 15561774.2/59

cor_asym_sam6_mean vs Slug



Right In: -19.043 ± 30.373 χ^2/NDF : 52.1/31

Left Out: 298.518 ± 36.051 χ^2/NDF : 26.0/24

Right Out: 77.645 ± 29.473 χ^2/NDF : 60.5/36

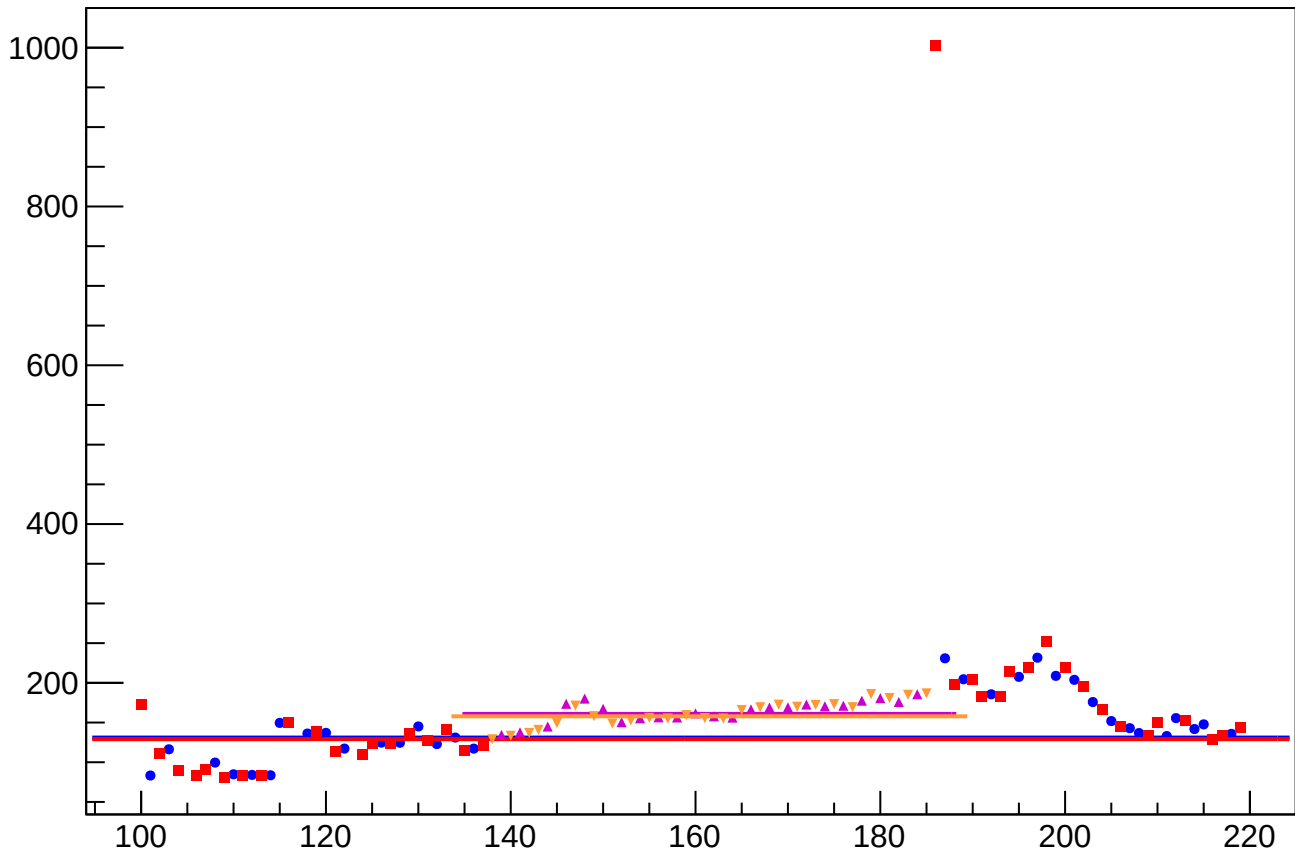
Left In: -298.682 ± 37.727 χ^2/NDF : 29.4/22

+ sign 112.789 ± 23.228 χ^2/NDF : 123.5/56

All: 23.894 ± 16.424 χ^2/NDF : 304.5/116

- sign -64.984 ± 23.226 χ^2/NDF : 151.7/59

cor_asym_sam6_rms vs Slug



Right In: 131.076+/-0.021 χ^2/NDF : 2791021.1/31

Left Out: 157.836+/-0.025 χ^2/NDF : 377205.2/24

Right Out: 129.074+/-0.021 χ^2/NDF : 4280765.1/36

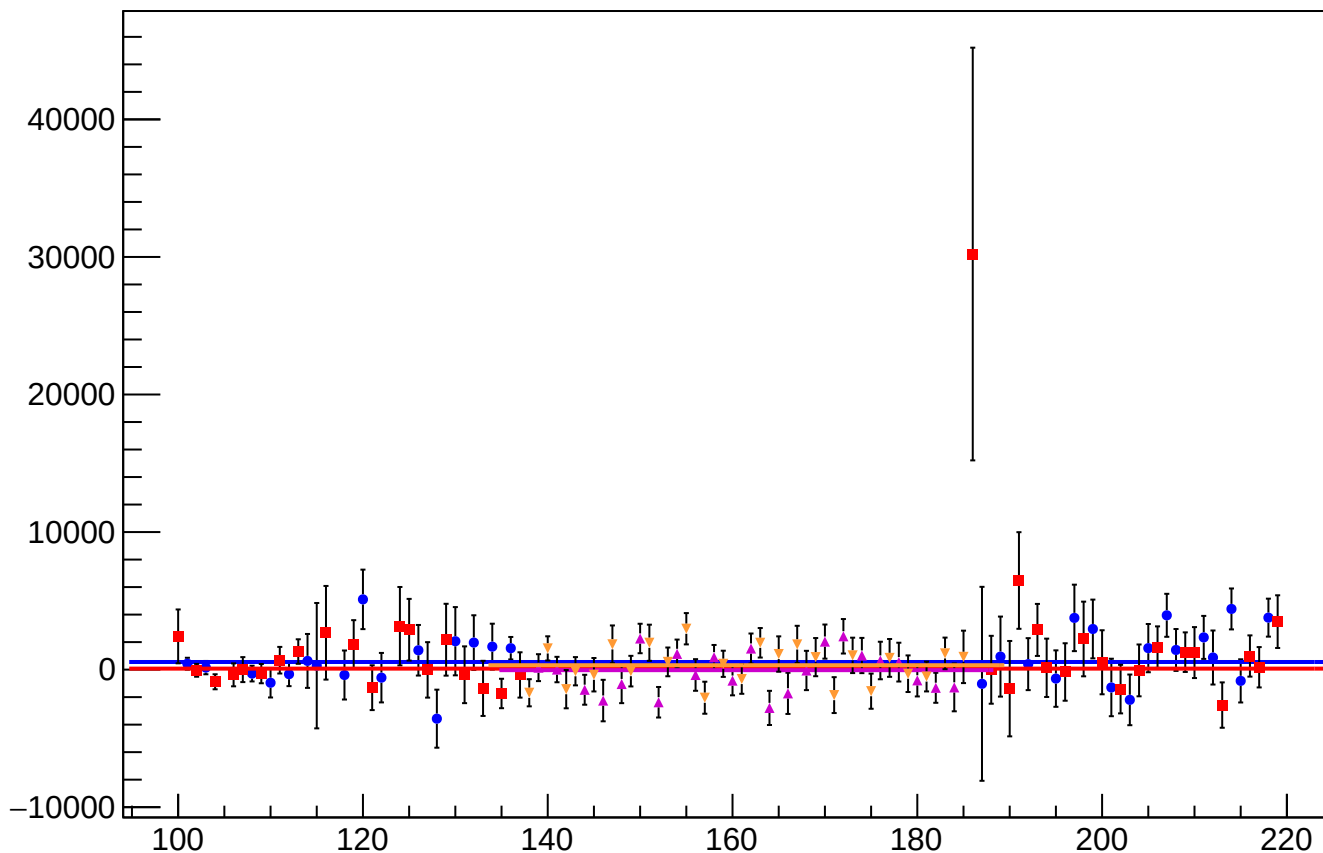
Left In: 160.874+/-0.027 χ^2/NDF : 268330.7/22

+ sign 142.185+/-0.016 χ^2/NDF : 3812755.8/56

All: 141.656+/-0.012 χ^2/NDF : 9246351.4/116

- sign 141.126+/-0.016 χ^2/NDF : 5431518.0/59

asym_sam6_cor_correction_mean vs Slug



Right In: 554.200 $\pm$ 205.922 χ^2 /NDF: 44.1/31

Left Out: 319.953 $\pm$ 235.084 χ^2 /NDF:32.5/24

Right Out: 72.289 $\pm$ 207.593 χ^2 /NDF: 36.1/36

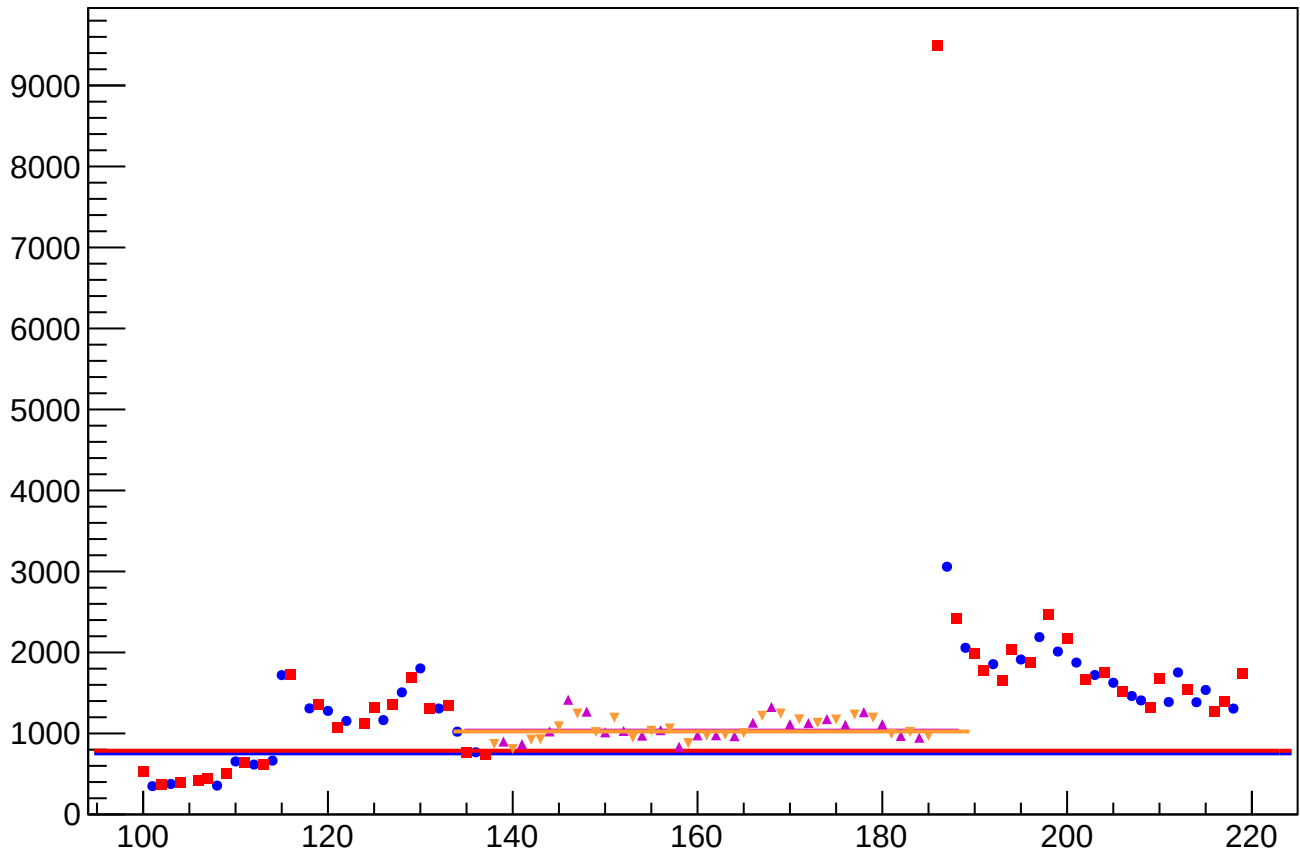
Left In: -39.198 $\pm$ 244.156 χ^2 /NDF:34.8/22

+ sign 452.499 $\pm$ 154.899 χ^2 /NDF: 77.2/56

All: 243.444 $\pm$ 110.663 χ^2 /NDF: 151.9/116

- sign 25.510 $\pm$ 158.154 χ^2 /NDF: 71.0/59

asym_sam6_cor_correction_rms vs Slug



Right In: 754.466+/-0.146 χ^2/NDF : 13184409.7/31

Left Out: 1024.493+/-0.166 χ^2/NDF : 597629.0/24

Right Out: 786.991+/-0.147 χ^2/NDF : 13777573.4/36

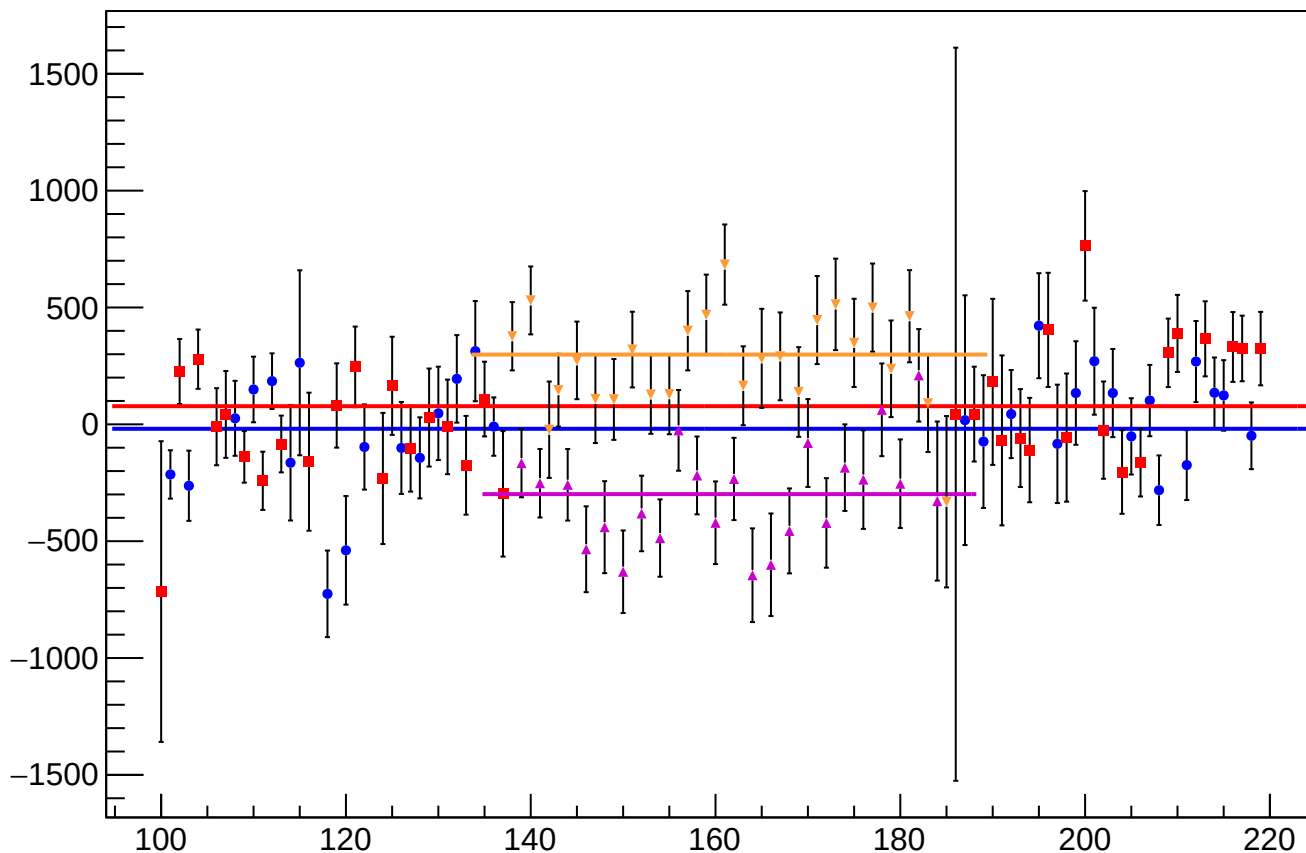
Left In: 1034.428+/-0.173 χ^2/NDF : 628474.5/22

+ sign 871.702+/-0.110 χ^2/NDF : 15275147.8/56

All: 881.059+/-0.078 χ^2/NDF : 30888324.2/11

- sign 890.813+/-0.112 χ^2/NDF : 15598270.1/59

eigen_cor_asym_sam6_mean vs Slug



Right In: -19.043 ± 30.373 χ^2/NDF : 52.1/31

Left Out: 298.518 ± 36.051 χ^2/NDF : 26.0/24

Right Out: 77.645 ± 29.473 χ^2/NDF : 60.5/36

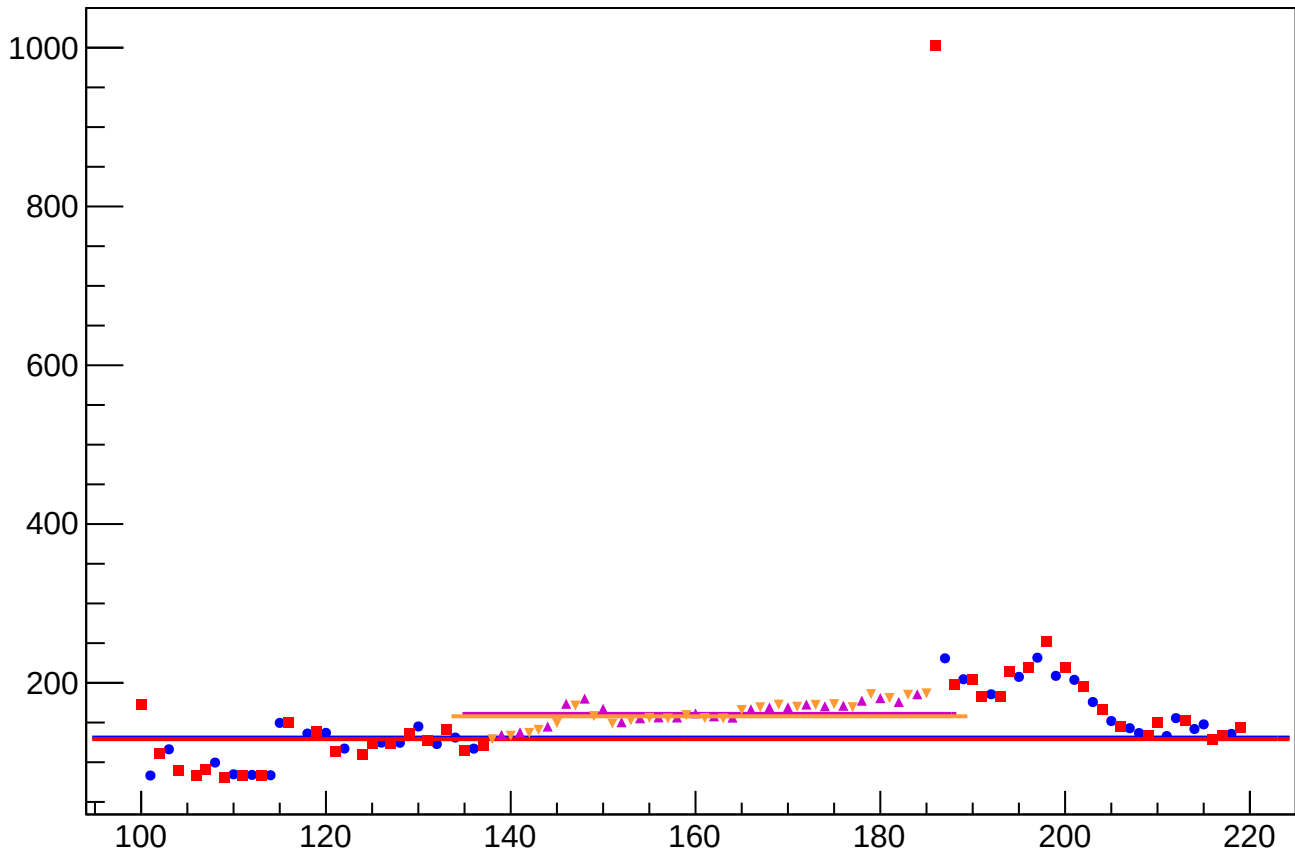
Left In: -298.682 ± 37.727 χ^2/NDF : 29.4/22

+ sign 112.789 ± 23.228 χ^2/NDF : 123.5/56

All: 23.894 ± 16.424 χ^2/NDF : 304.5/116

- sign -64.984 ± 23.226 χ^2/NDF : 151.7/59

eigen_cor_asym_sam6_rms vs Slug



Right In: 131.076+/-0.021 χ^2/NDF : 2791021.1/31

Left Out: 157.836+/-0.025 χ^2/NDF : 377205.2/24

Right Out: 129.074+/-0.021 χ^2/NDF : 4280765.1/36

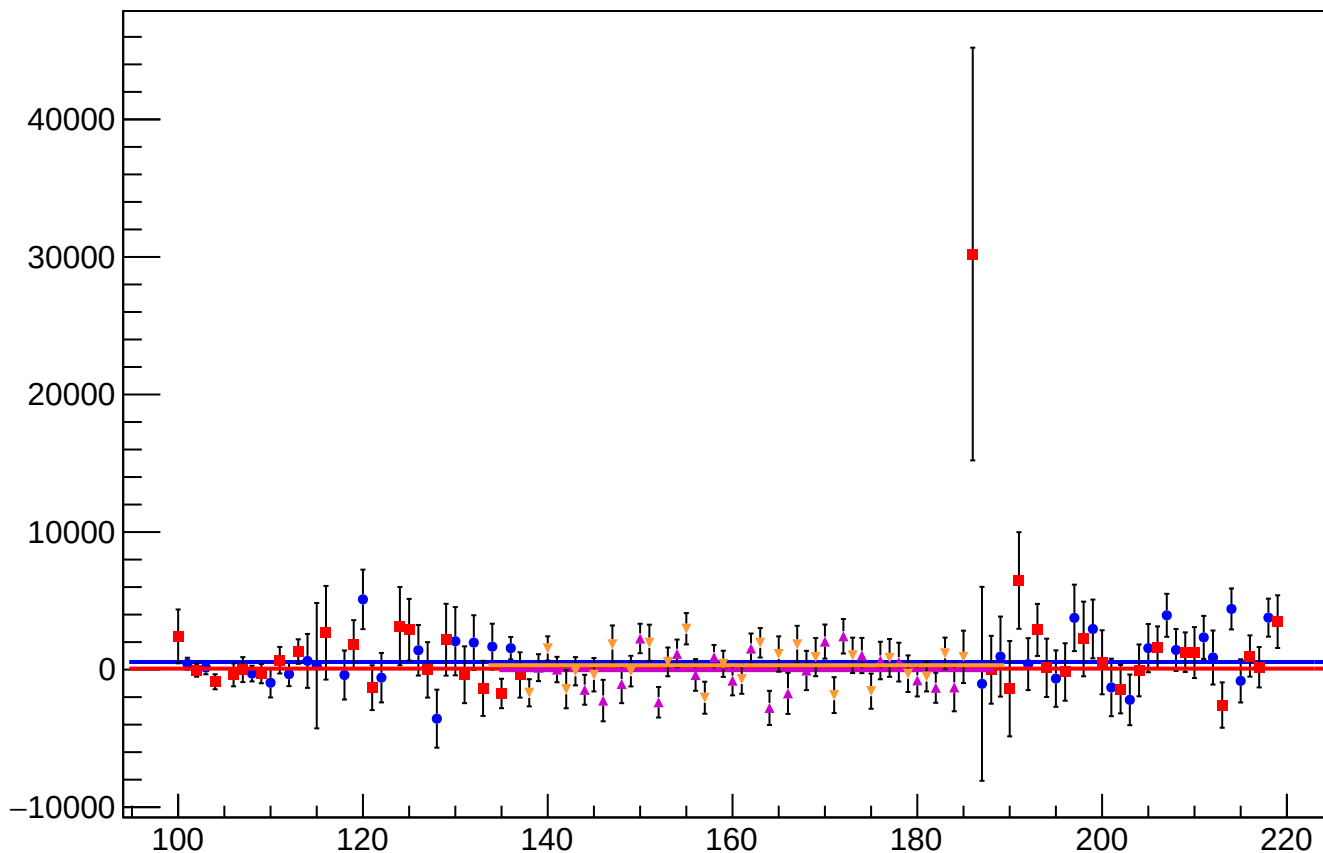
Left In: 160.874+/-0.027 χ^2/NDF : 268330.7/22

+ sign 142.185+/-0.016 χ^2/NDF : 3812755.8/56

All: 141.656+/-0.012 χ^2/NDF : 9246351.4/116

- sign 141.126+/-0.016 χ^2/NDF : 5431518.0/59

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 554.200 $\pm$ 205.922 χ^2 /NDF: 44.1/31

Left Out: 319.953 $\pm$ 235.084 χ^2 /NDF:32.5/24

Right Out: 72.289 $\pm$ 207.593 χ^2 /NDF: 36.1/36

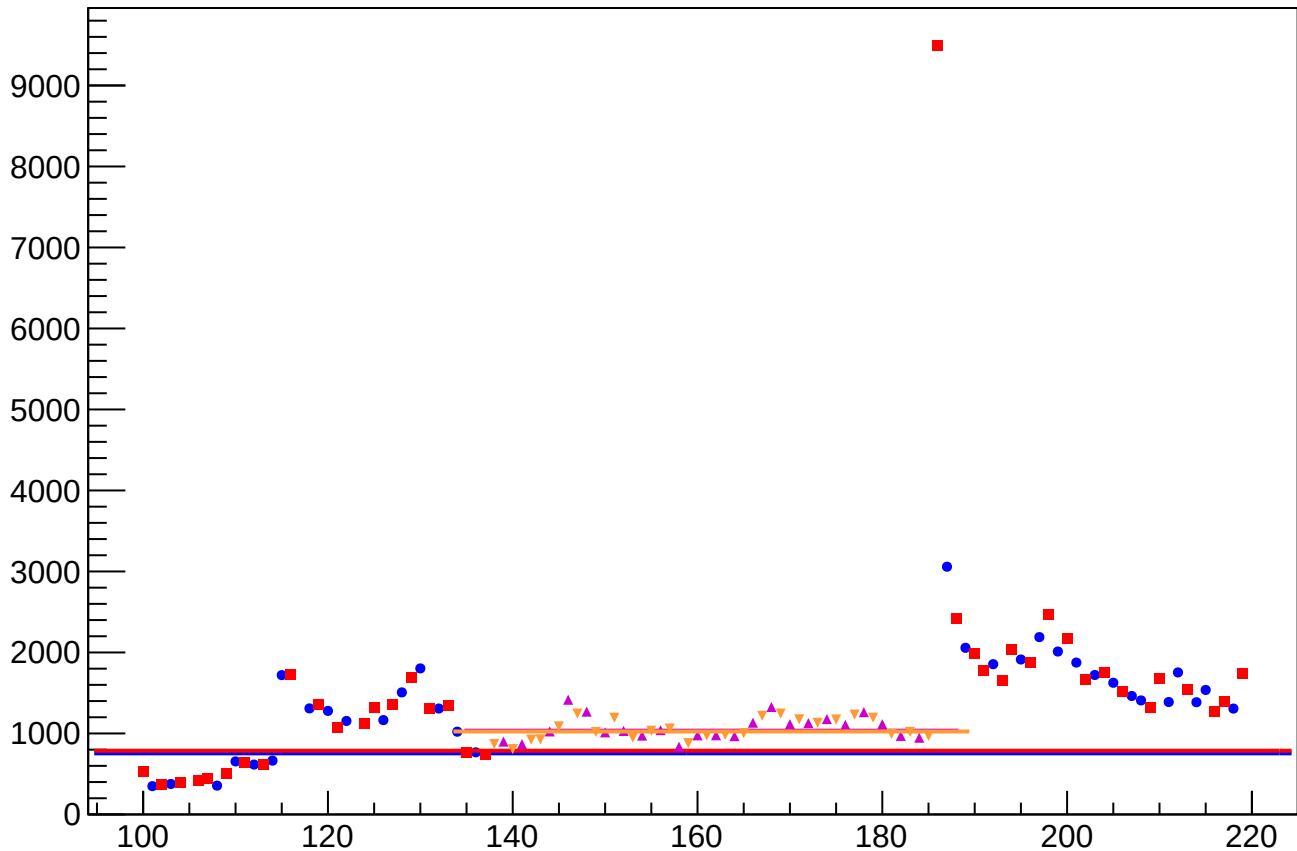
Left In: -39.198 $\pm$ 244.156 χ^2 /NDF:34.8/22

+ sign 452.499 $\pm$ 154.899 χ^2 /NDF: 77.2/56

All: 243.444 $\pm$ 110.663 χ^2 /NDF: 151.9/116

- sign 25.510 $\pm$ 158.154 χ^2 /NDF: 71.0/59

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 754.466+/-0.146 χ^2/NDF : 13184409.7/31

Left Out: 1024.493+/-0.166 χ^2/NDF : 597629.0/24

Right Out: 786.991+/-0.147 χ^2/NDF : 13777573.4/36

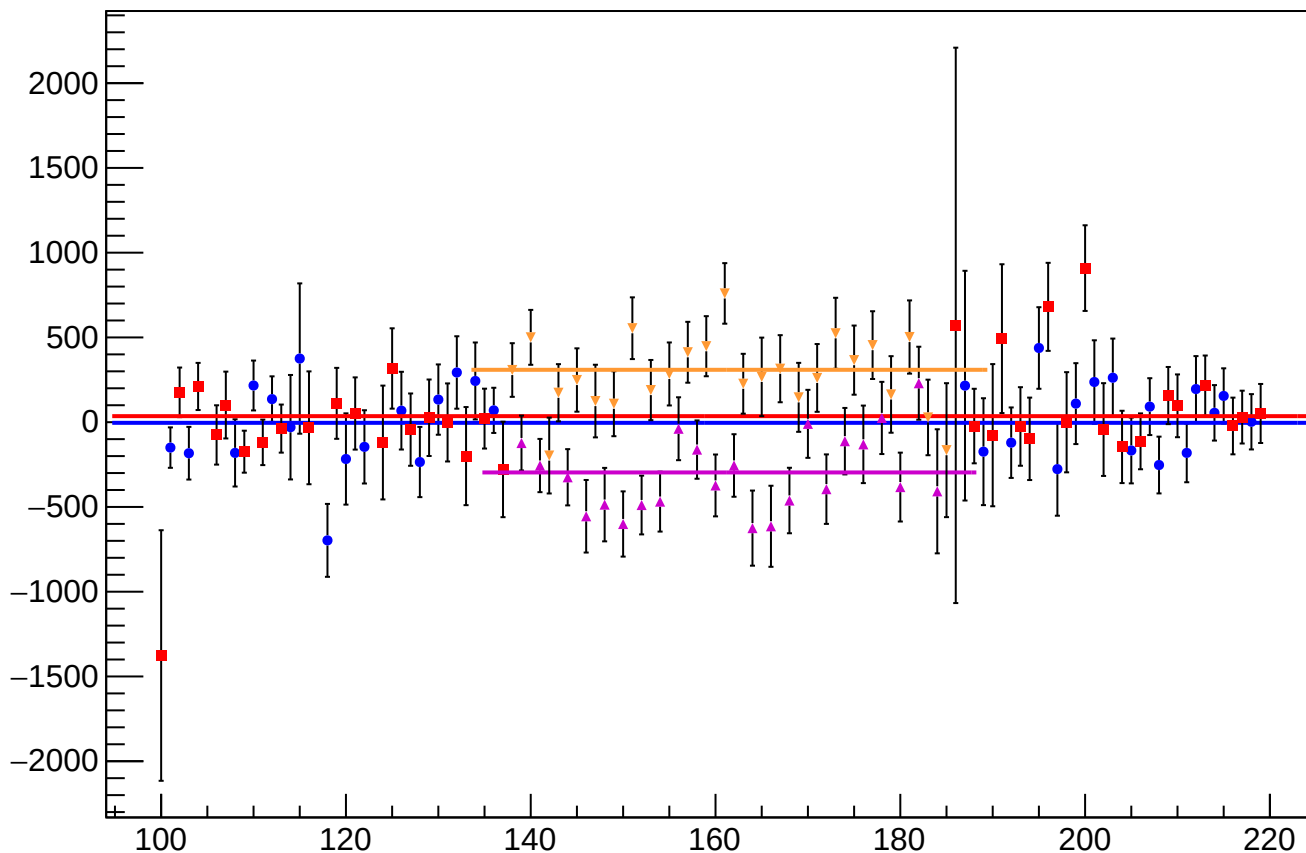
Left In: 1034.428+/-0.173 χ^2/NDF : 628474.5/22

+ sign 871.702+/-0.110 χ^2/NDF : 15275147.8/56

All: 881.059+/-0.078 χ^2/NDF : 30888324.2/119

- sign 890.813+/-0.112 χ^2/NDF : 15598270.1/59

dit_asym_sam6_mean vs Slug



Right In: -3.746 ± 34.034 $\chi^2/\text{NDF}: 38.3/31$

Left Out: 309.031 ± 38.901 $\chi^2/\text{NDF}: 25.6/24$

Right Out: 35.620 ± 33.069 $\chi^2/\text{NDF}: 38.3/36$

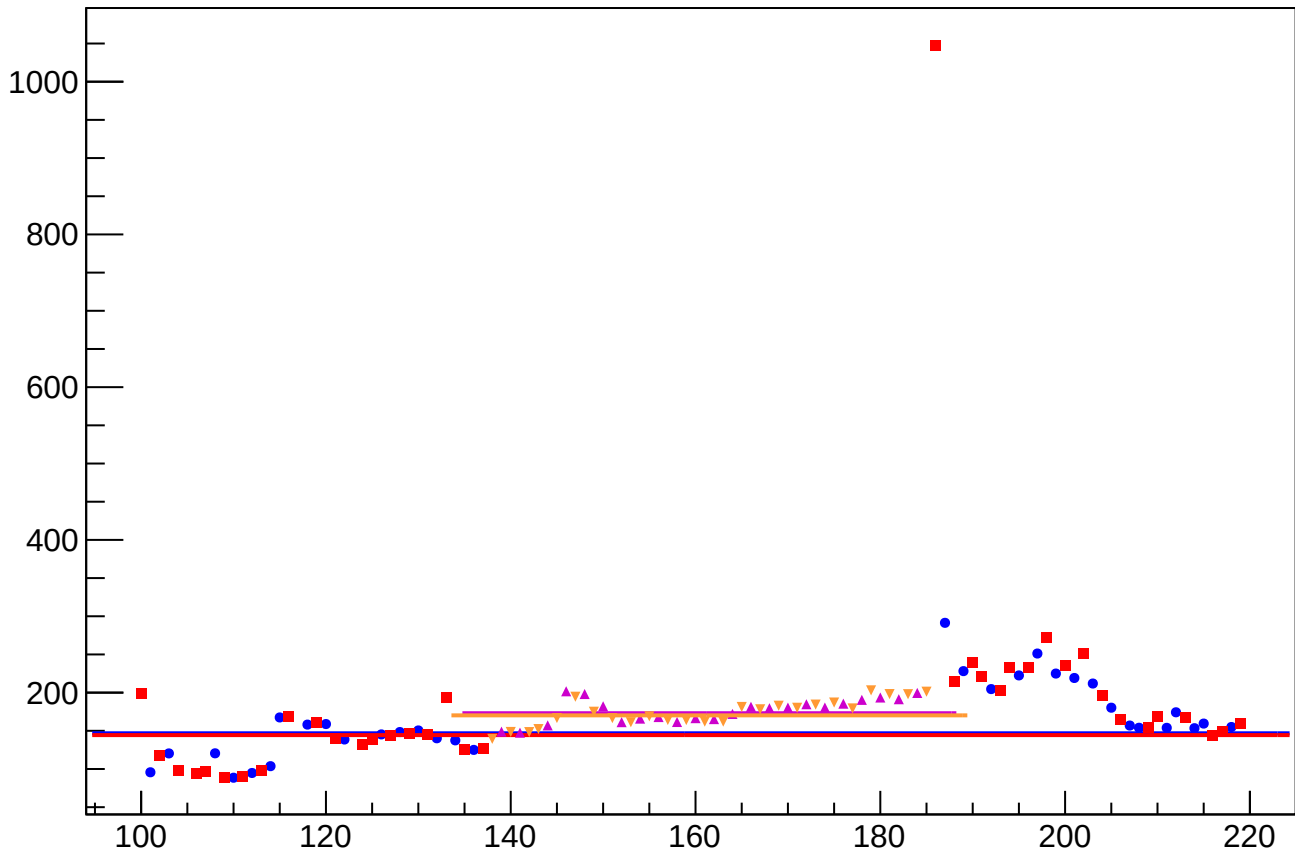
Left In: -296.497 ± 40.607 $\chi^2/\text{NDF}: 27.8/22$

+ sign 131.864 ± 25.614 $\chi^2/\text{NDF}: 100.5/56$

All: 17.648 ± 18.122 $\chi^2/\text{NDF}: 246.6/116$

- sign -96.813 ± 25.642 $\chi^2/\text{NDF}: 106.3/59$

dit_asym_sam6_rms vs Slug



Right In: 146.744 $\pm$ 0.024 χ^2 /NDF: 2735159.3/31

Left Out: 170.240 $\pm$ 0.028 χ^2 /NDF:366302.5/24

Right Out: 144.382 $\pm$ 0.023 χ^2 /NDF: 4439979.5/36

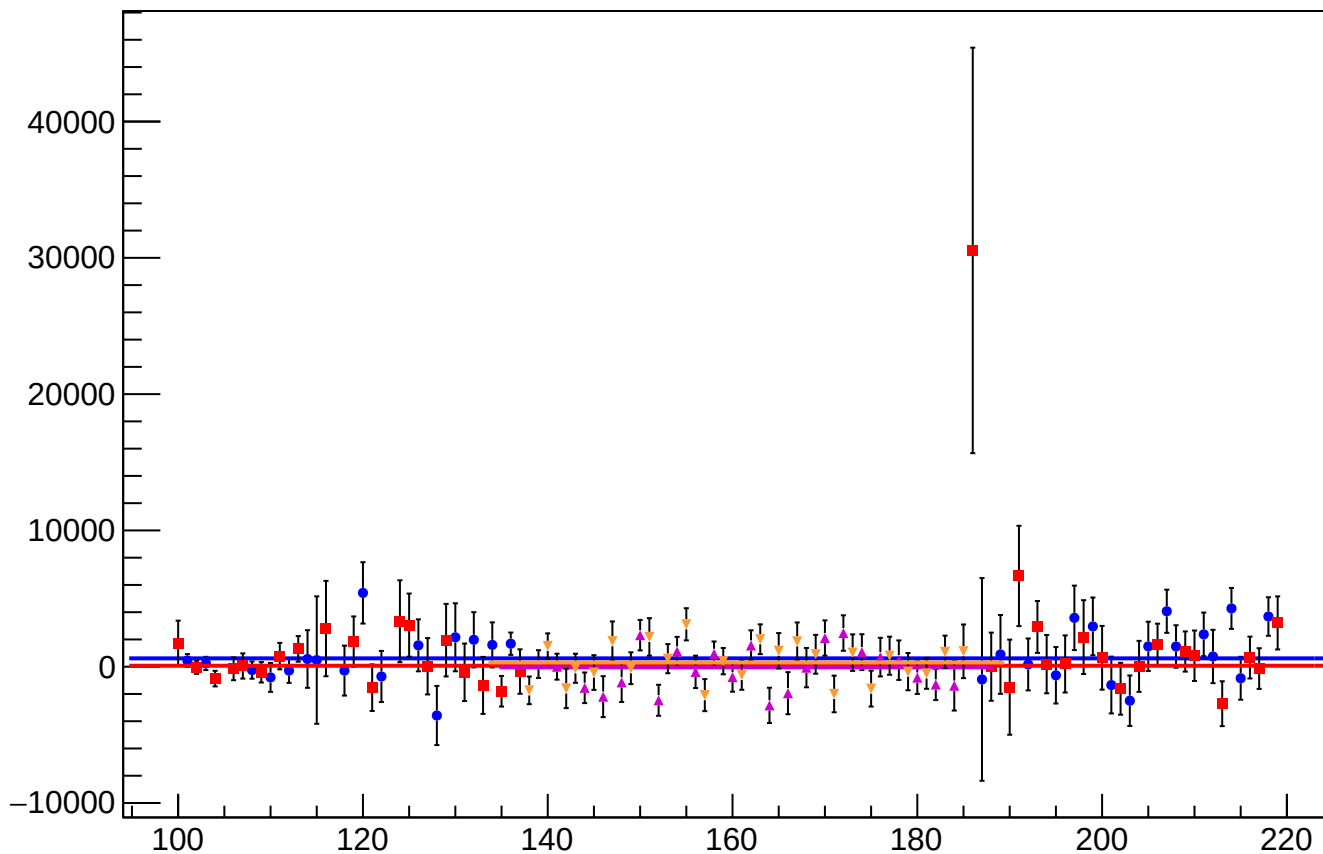
Left In: 173.024 $\pm$ 0.029 χ^2 /NDF:293702.8/22

+ sign 156.931 $\pm$ 0.018 χ^2 /NDF: 3514748.7/56

All: 156.368 $\pm$ 0.013 χ^2 /NDF: 8848637.2/116

- sign 155.803 $\pm$ 0.018 χ^2 /NDF: 5331949.0/59

asym_sam6_dit_correction_mean vs Slug



Right In: 612.500 ± 214.040 χ^2/NDF : 42.5/31

Left Out: 313.641 ± 242.402 χ^2/NDF : 32.9/24

Right Out: 71.350 ± 213.713 χ^2/NDF : 34.2/36

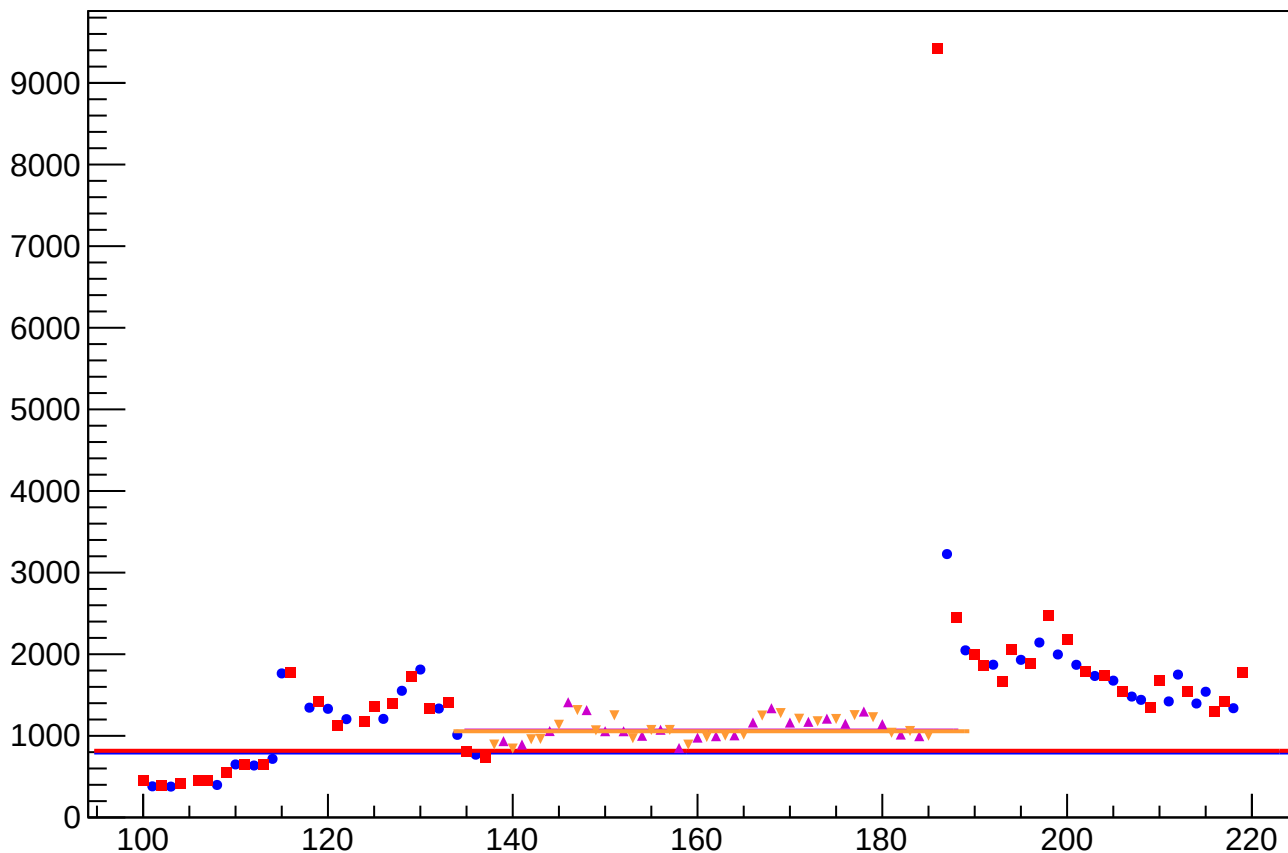
Left In: -47.231 ± 251.252 χ^2/NDF : 34.4/22

+ sign 481.569 ± 160.444 χ^2/NDF : 76.3/56

All: 254.906 ± 114.271 χ^2/NDF : 149.1/116

- sign 21.571 ± 162.788 χ^2/NDF : 68.8/59

asym_sam6_dit_correction_rms vs Slug



Right In: 795.634 $\pm$ 0.151 χ^2 /NDF: 12433978.9/31

Left Out: 1056.328 $\pm$ 0.171 χ^2 /NDF: 610710.4/24

Right Out: 816.931 $\pm$ 0.151 χ^2 /NDF: 13466322.6/36

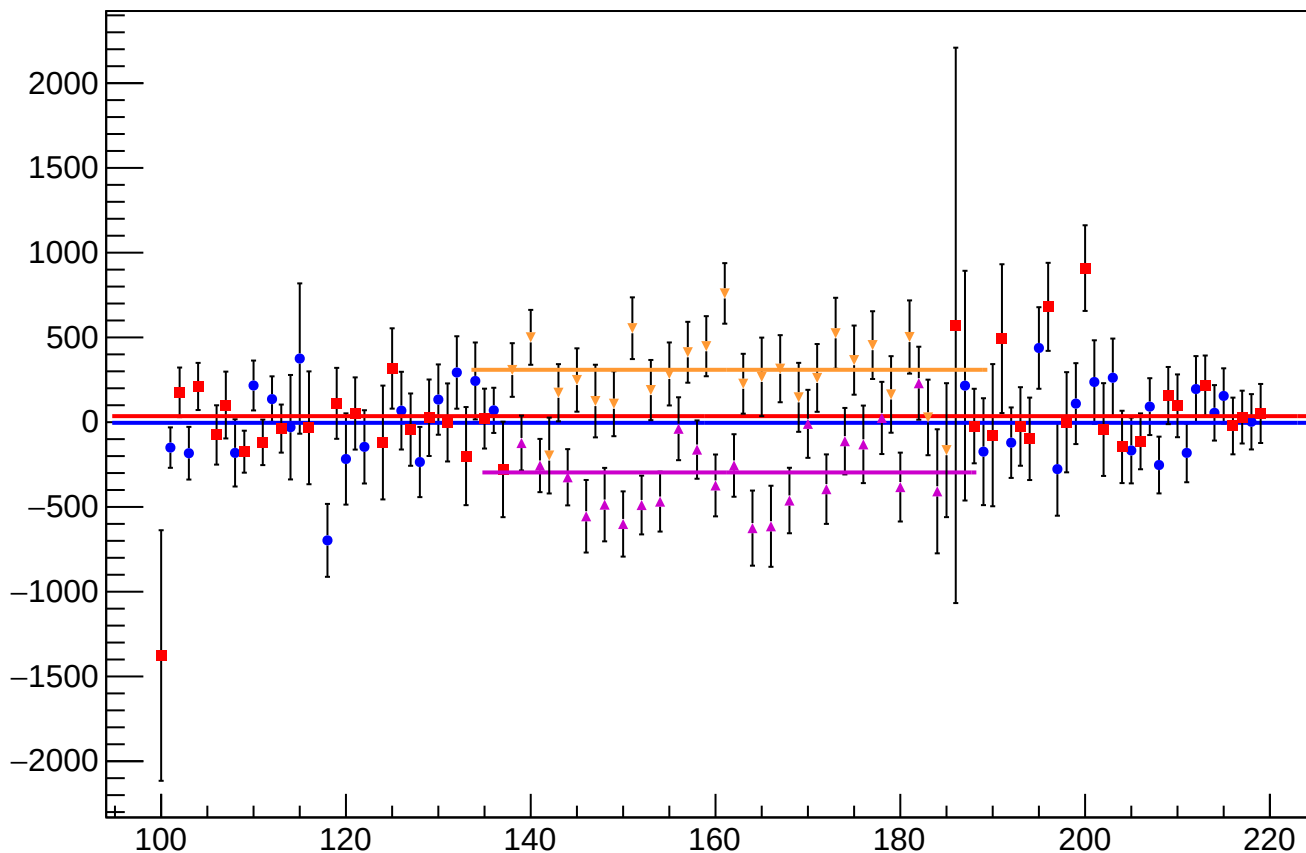
Left In: 1064.691 $\pm$ 0.178 χ^2 /NDF: 611055.8/22

+ sign 909.844 $\pm$ 0.113 χ^2 /NDF: 14344494.9/56

All: 915.311 $\pm$ 0.081 χ^2 /NDF: 29554982.1/11

- sign 920.938 $\pm$ 0.115 χ^2 /NDF: 15205776.2/59

eigen_dit_asym_sam6_mean vs Slug



Right In: -3.748 ± 34.034 χ^2/NDF : 38.3/31

Left Out: 309.032 ± 38.901 χ^2/NDF : 25.6/24

Right Out: 35.619 ± 33.069 χ^2/NDF : 38.3/36

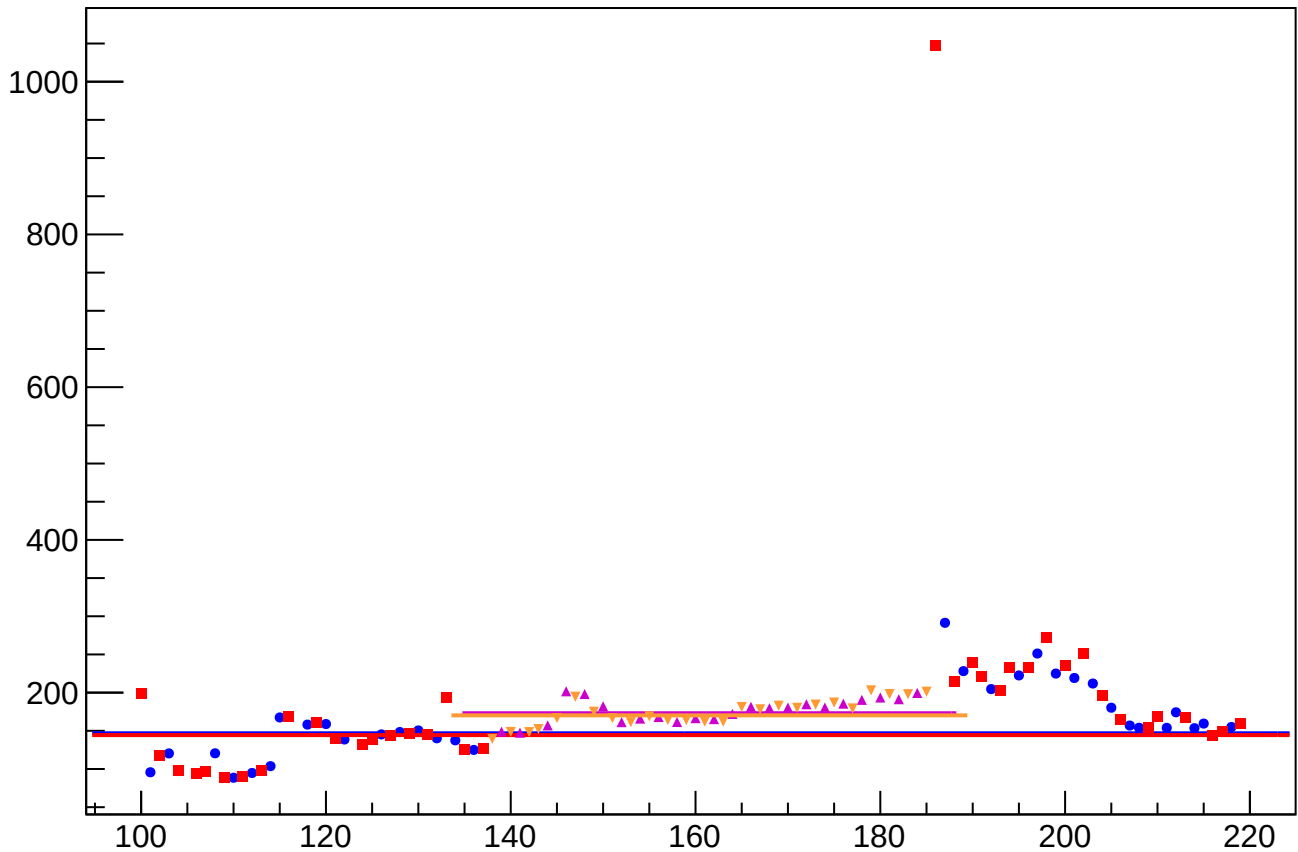
Left In: -296.497 ± 40.607 χ^2/NDF : 27.8/22

+ sign 131.863 ± 25.614 χ^2/NDF : 100.5/56

All: 17.647 ± 18.122 χ^2/NDF : 246.6/116

- sign -96.814 ± 25.642 χ^2/NDF : 106.3/59

eigen_dit_asym_sam6_rms vs Slug



Right In: 146.744 $\pm$ 0.024 χ^2 /NDF: 2735179.4/31

Left Out: 170.240 $\pm$ 0.028 χ^2 /NDF: 366303.1/24

Right Out: 144.381 $\pm$ 0.023 χ^2 /NDF: 4439987.8/36

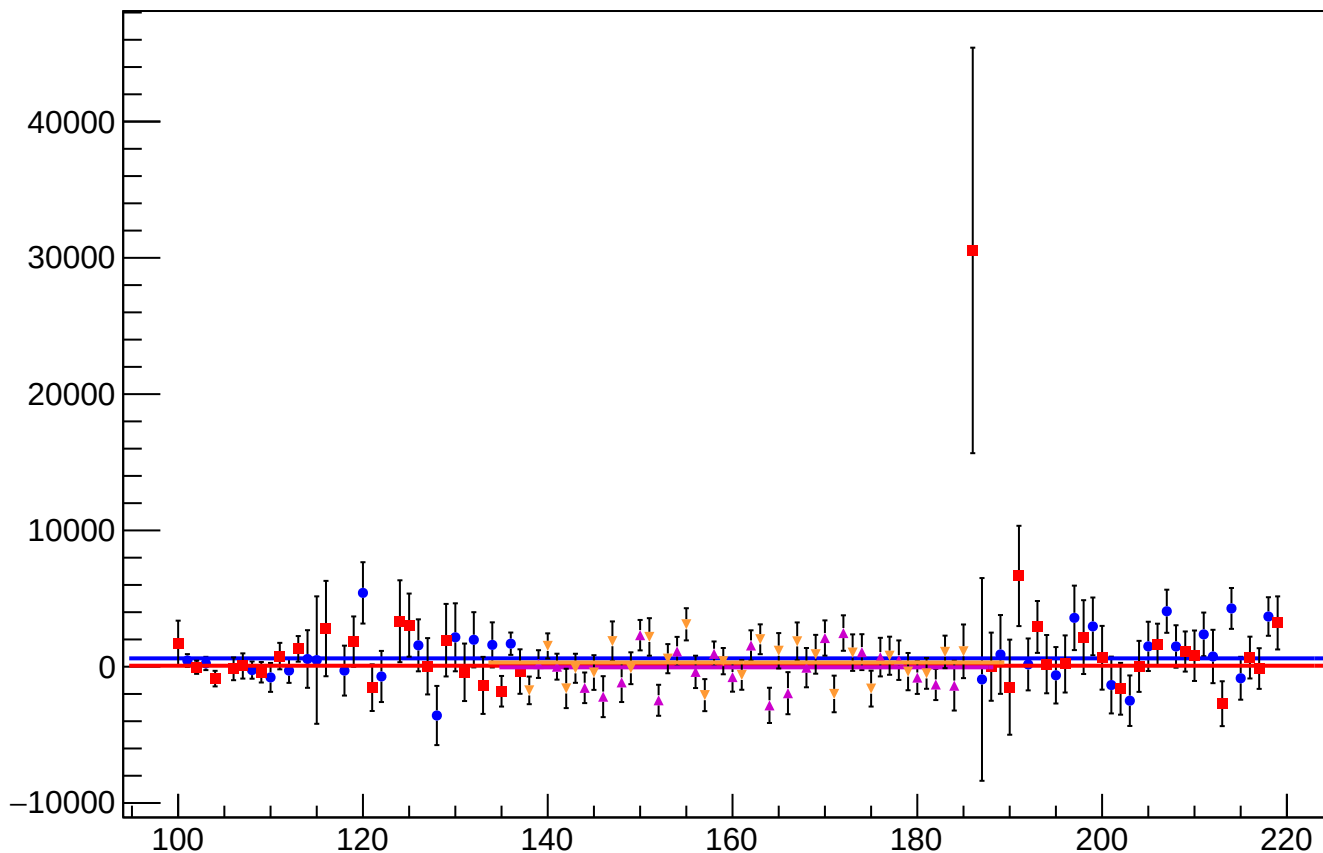
Left In: 173.023 $\pm$ 0.029 χ^2 /NDF: 293703.4/22

+ sign 156.931 $\pm$ 0.018 χ^2 /NDF: 3514770.7/56

All: 156.367 $\pm$ 0.013 χ^2 /NDF: 8848669.3/116

- sign 155.803 $\pm$ 0.018 χ^2 /NDF: 5331959.1/59

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 612.499 $\pm$ 214.040 χ^2 /NDF: 42.5/31

Left Out: 313.641 $\pm$ 242.402 χ^2 /NDF:32.9/24

Right Out: 71.348 $\pm$ 213.712 χ^2 /NDF: 34.2/36

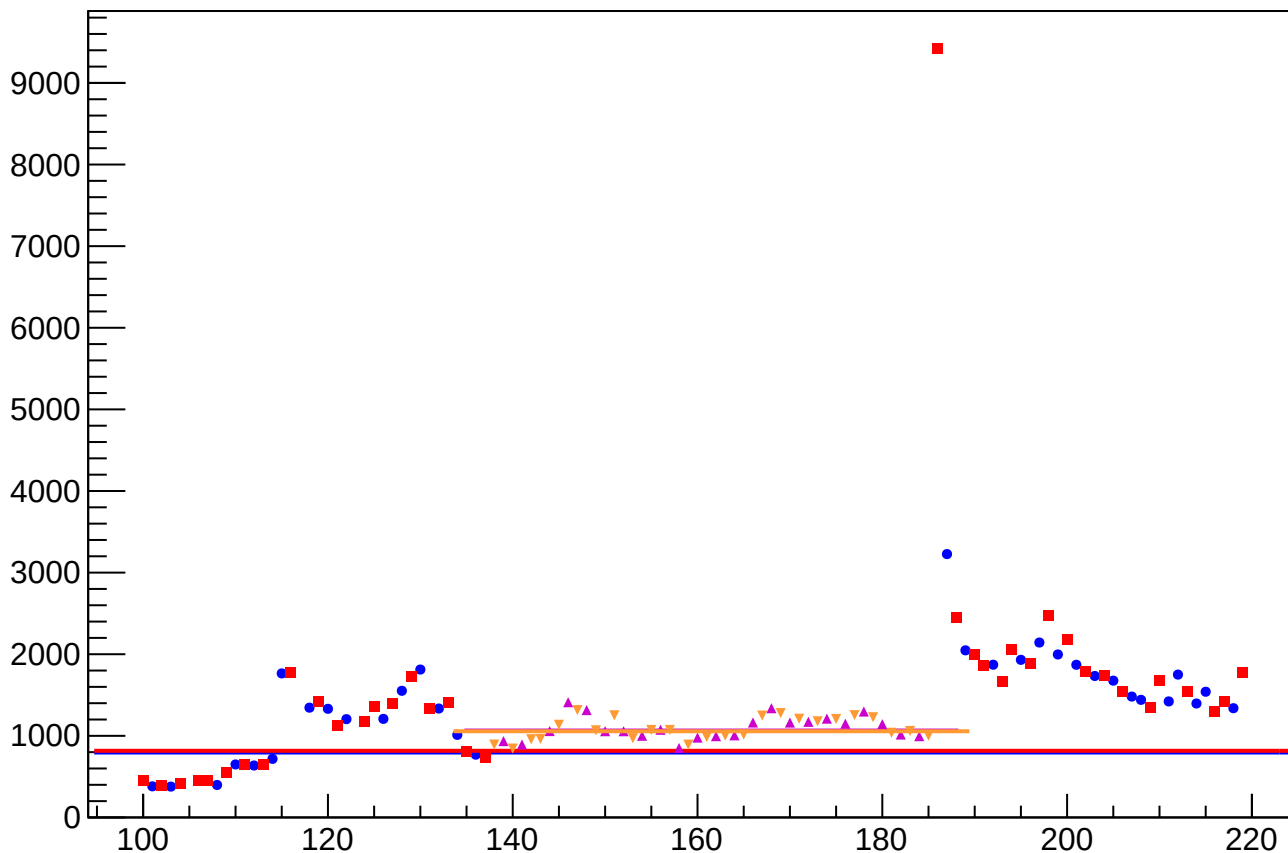
Left In: -47.231 $\pm$ 251.252 χ^2 /NDF:34.4/22

+ sign 481.569 $\pm$ 160.444 χ^2 /NDF: 76.3/56

All: 254.906 $\pm$ 114.271 χ^2 /NDF: 149.1/116

- sign 21.570 $\pm$ 162.788 χ^2 /NDF: 68.8/59

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 795.633 $\pm$ 0.151 χ^2 /NDF: 12433996.3/31

Left Out: 1056.328 $\pm$ 0.171 χ^2 /NDF: 610715.5/24

Right Out: 816.930 $\pm$ 0.151 χ^2 /NDF: 13466332.1/36

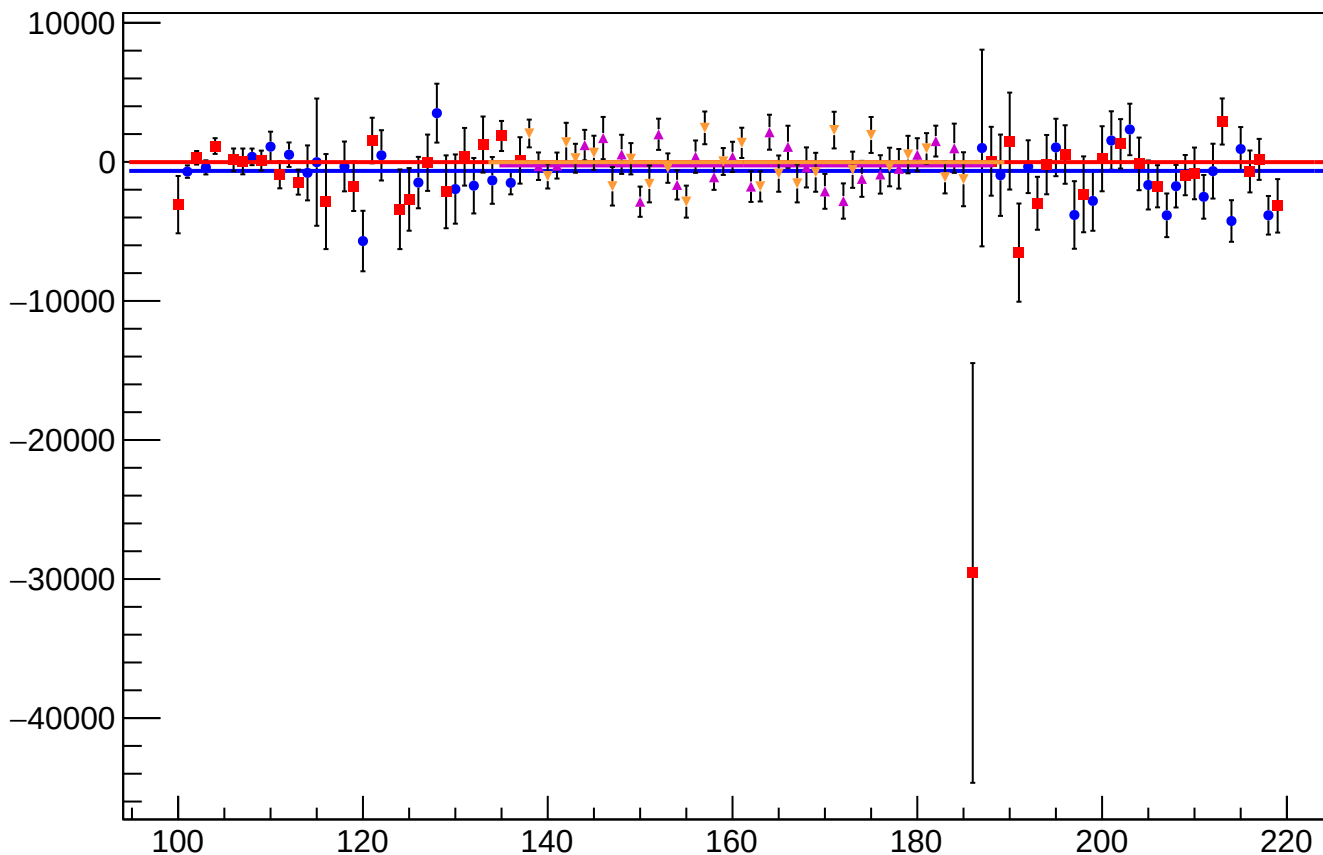
Left In: 1064.691 $\pm$ 0.178 χ^2 /NDF: 611059.3/22

+ sign 909.844 $\pm$ 0.113 χ^2 /NDF: 14344529.8/56

All: 915.310 $\pm$ 0.081 χ^2 /NDF: 29555036.8/11

- sign 920.937 $\pm$ 0.115 χ^2 /NDF: 15205795.9/59

asym_sam6_mean vs Slug



Right In: -648.799 ± 210.997 χ^2/NDF : 44.8/31

Left Out: -21.861 ± 237.972 χ^2/NDF : 34.5/24

Right Out: -17.006 ± 211.671 χ^2/NDF : 38.9/36

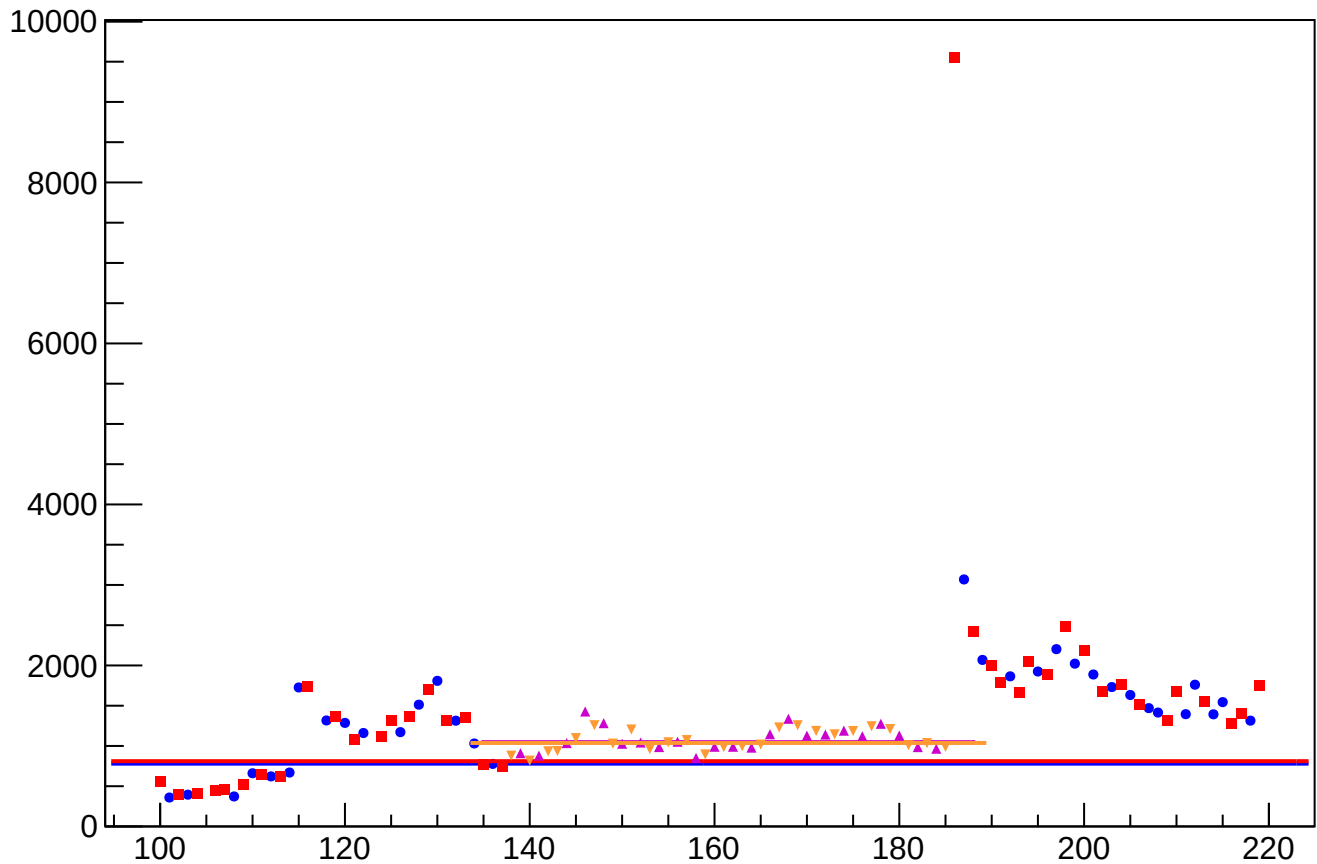
Left In: -255.399 ± 247.203 χ^2/NDF : 33.6/22

+ sign -372.862 ± 157.877 χ^2/NDF : 83.2/56

All: -247.683 ± 112.649 χ^2/NDF : 157.4/116

- sign -117.854 ± 160.782 χ^2/NDF : 73.0/59

asym_sam6_rms vs Slug



Right In: 780.283+/-0.149 χ^2/NDF : 12677068.4/31

Left Out: 1037.324+/-0.168 χ^2/NDF : 585511.9/24

Right Out: 810.944+/-0.150 χ^2/NDF : 13290253.7/36

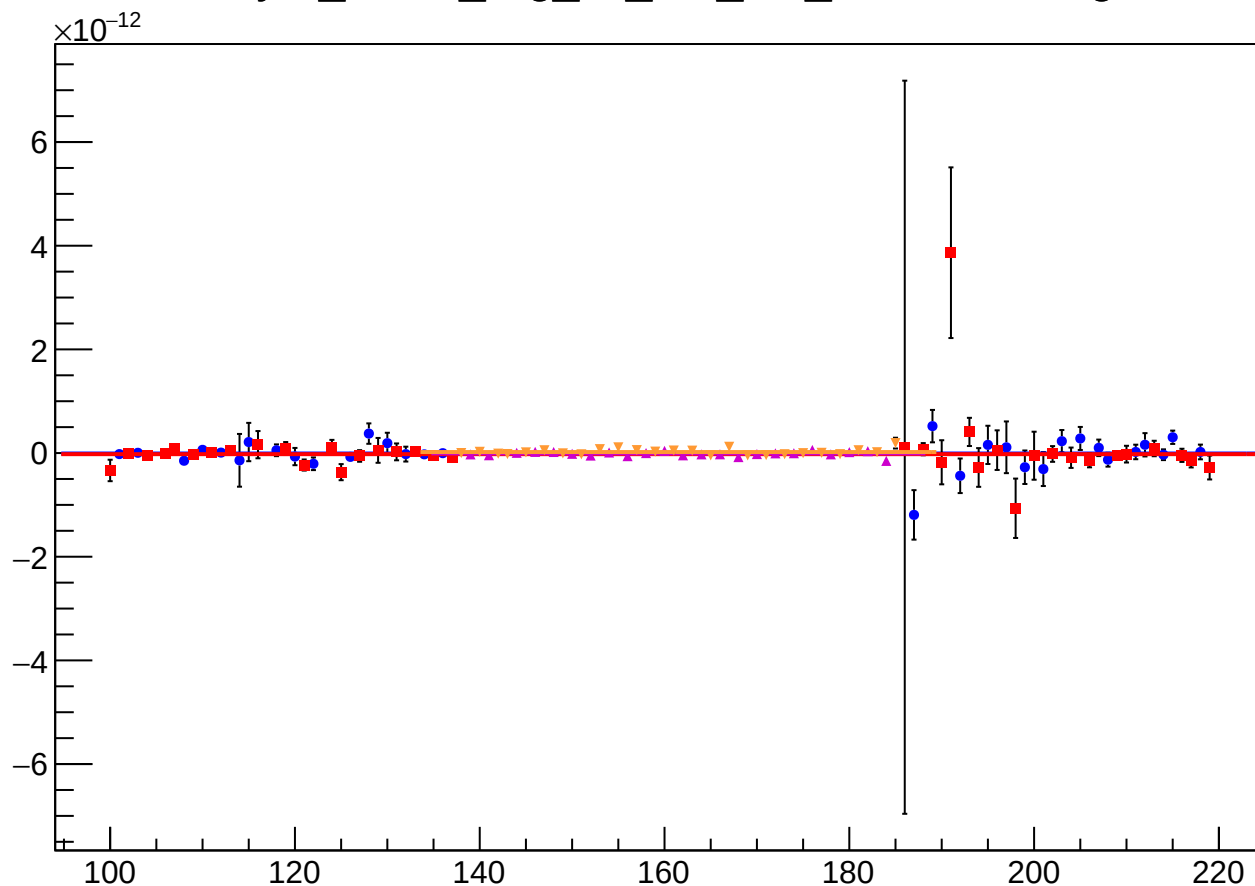
Left In: 1047.629+/-0.175 χ^2/NDF : 613357.0/22

+ sign 893.415+/-0.112 χ^2/NDF : 14568959.6/56

All: 902.081+/-0.080 χ^2/NDF : 29542685.1/111

- sign 911.069+/-0.114 χ^2/NDF : 14961450.6/59

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ -0.000 χ^2/NDF : 39.3/31

Left Out: 0.000 $\pm$ -0.000 χ^2/NDF :30.0/24

Right Out: -0.000 $\pm$ -0.000 χ^2/NDF : 36.3/36

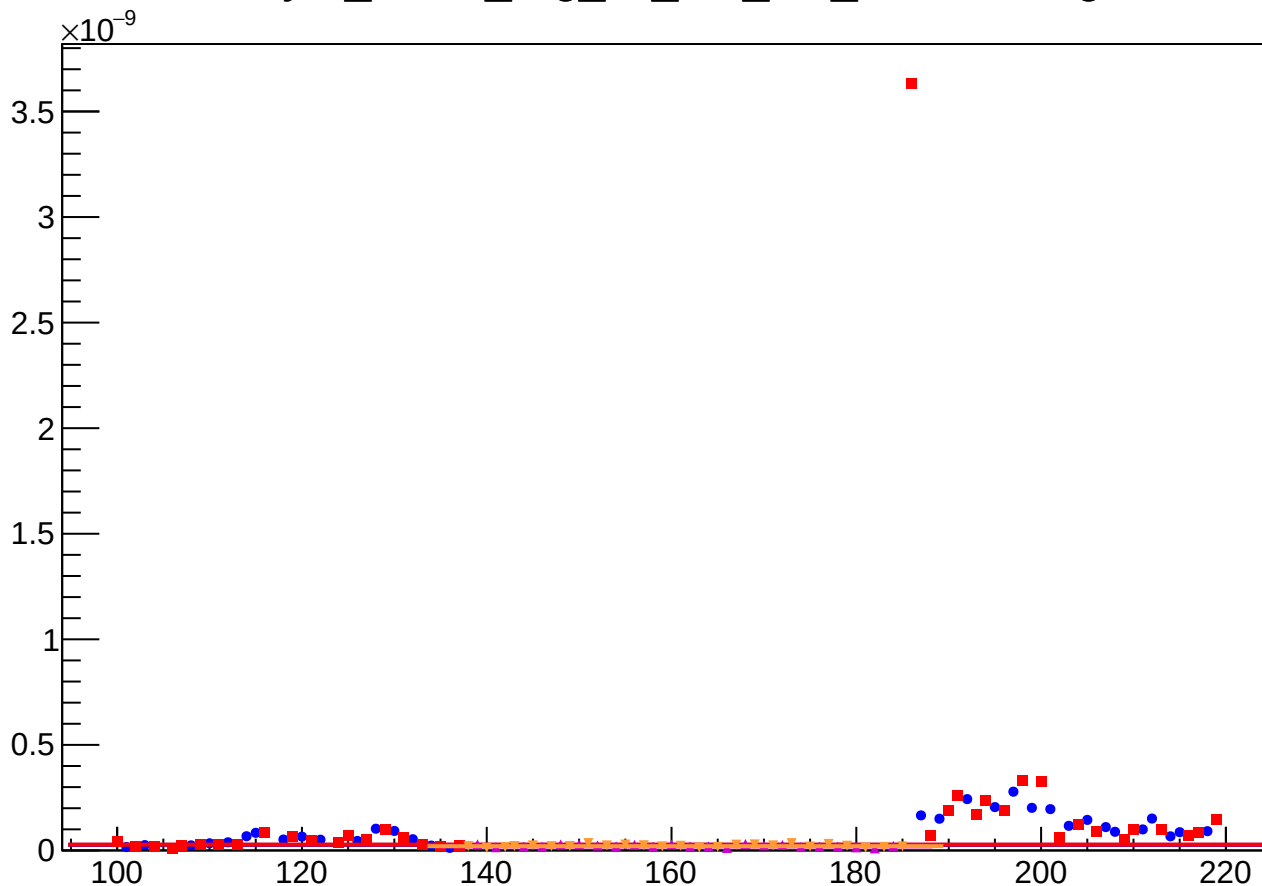
Left In: -0.000 $\pm$ -0.000 χ^2/NDF :18.6/22

+ sign 0.000 $\pm$ -0.000 χ^2/NDF : 73.2/56

All: 0.000 $\pm$ -0.000 χ^2/NDF : 134.6/116

- sign -0.000 $\pm$ -0.000 χ^2/NDF : 55.9/59

asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10120306.1/31

Left Out: 0.000+/-0.000 χ^2/NDF :993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9559620.3/36

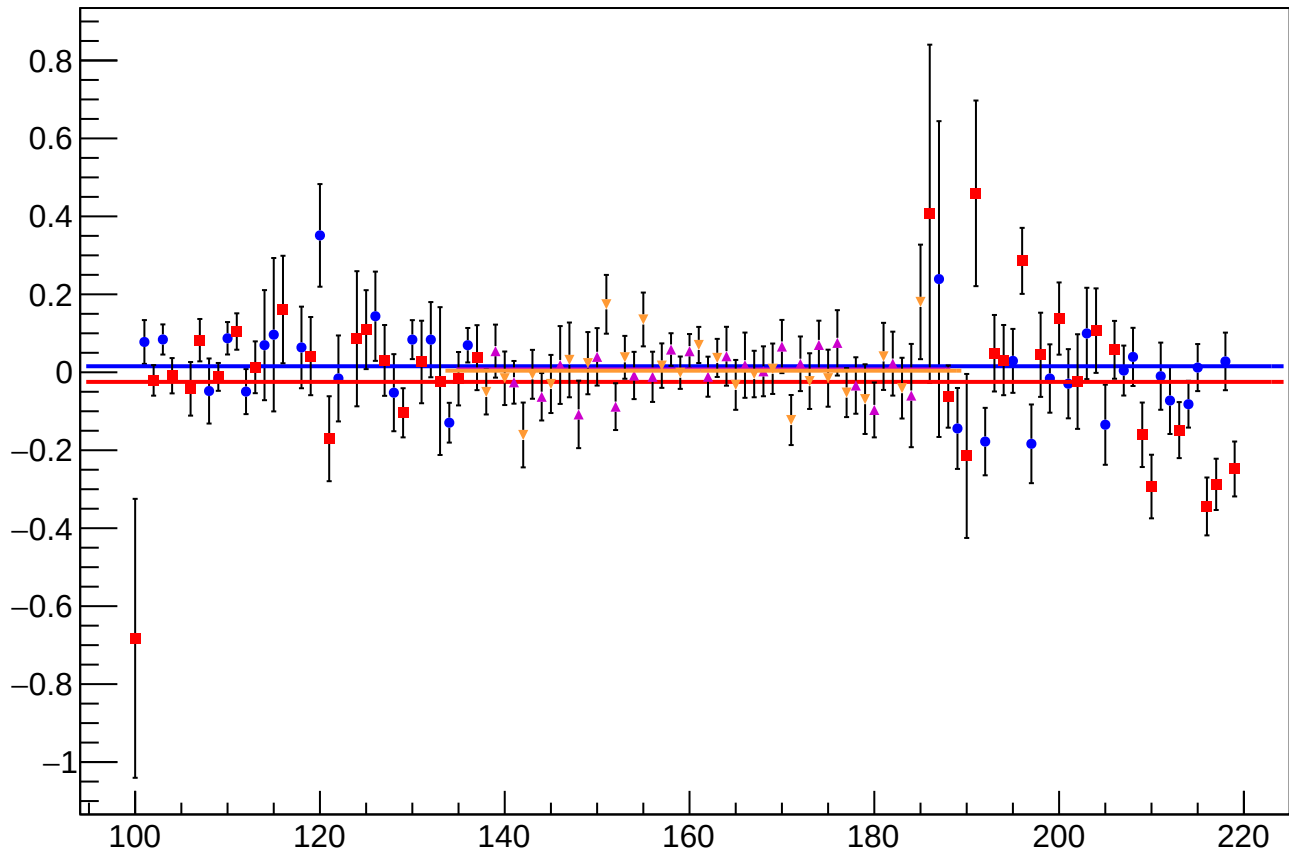
Left In: 0.000+/-0.000 χ^2/NDF :1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 11487337.0/56

All: 0.000+/-0.000 χ^2/NDF : 22715862.2/116

- sign 0.000+/-0.000 χ^2/NDF : 11222449.0/59

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.013 $\chi^2/\text{NDF}: 48.5/31$

Left Out: 0.004 ± 0.013 $\chi^2/\text{NDF}: 24.8/24$

Right Out: -0.025 ± 0.012 $\chi^2/\text{NDF}: 112.3/36$

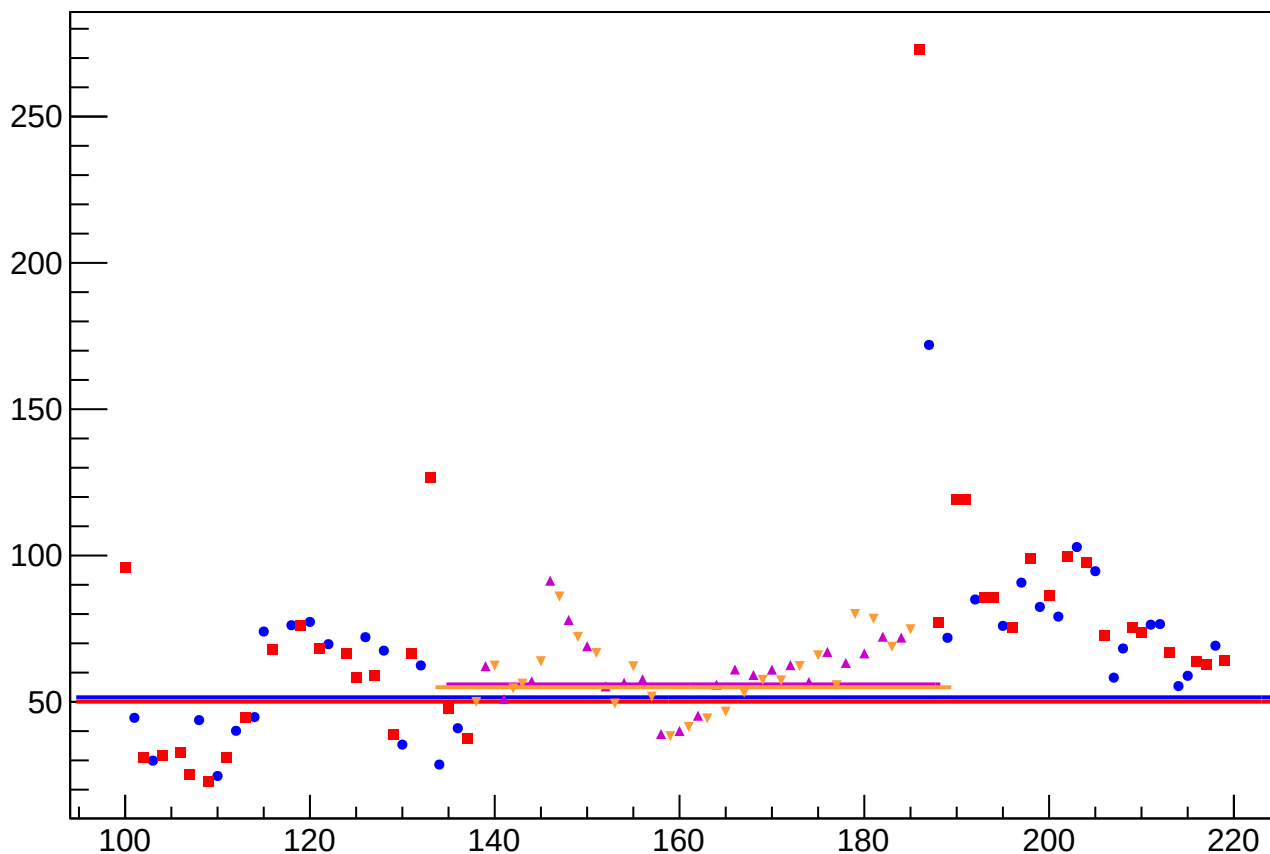
Left In: 0.007 ± 0.014 $\chi^2/\text{NDF}: 15.1/22$

+ sign 0.010 ± 0.009 $\chi^2/\text{NDF}: 73.7/56$

All: -0.000 ± 0.006 $\chi^2/\text{NDF}: 206.5/116$

- sign -0.010 ± 0.009 $\chi^2/\text{NDF}: 130.4/59$

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 51.553 $\pm$ 0.009 χ^2 /NDF: 5547520.3/31

Left Out: 54.986 $\pm$ 0.009 χ^2 /NDF: 1566844.0/24

Right Out: 50.055 $\pm$ 0.009 χ^2 /NDF: 7861855.2/36

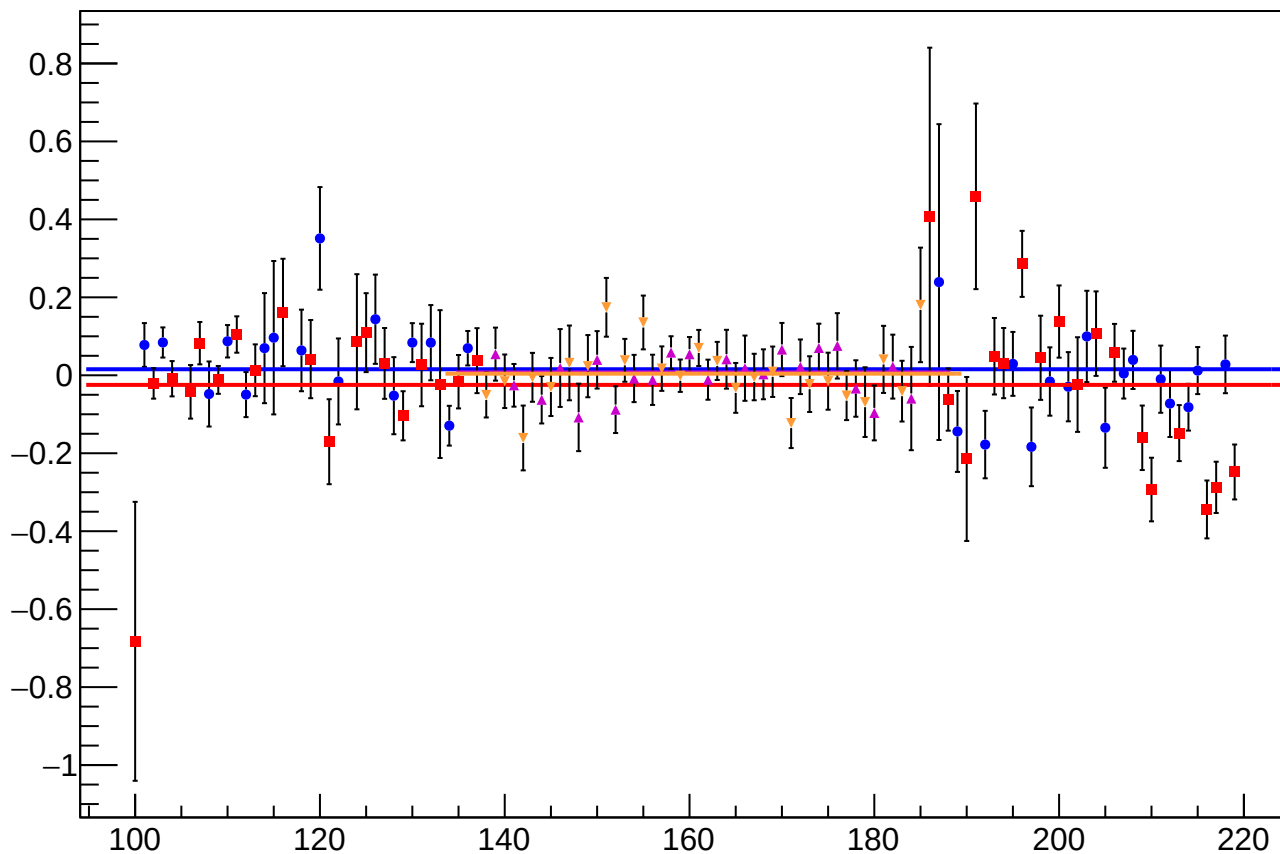
Left In: 55.956 $\pm$ 0.010 χ^2 /NDF: 1406142.1/22

+ sign 53.232 $\pm$ 0.006 χ^2 /NDF: 7186161.7/56

All: 52.983 $\pm$ 0.005 χ^2 /NDF: 16665353.4/116

- sign 52.733 $\pm$ 0.006 χ^2 /NDF: 9476171.7/59

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.013 $\chi^2/\text{NDF}: 48.5/31$

Left Out: 0.004 ± 0.013 $\chi^2/\text{NDF}: 24.8/24$

Right Out: -0.025 ± 0.012 $\chi^2/\text{NDF}: 112.3/36$

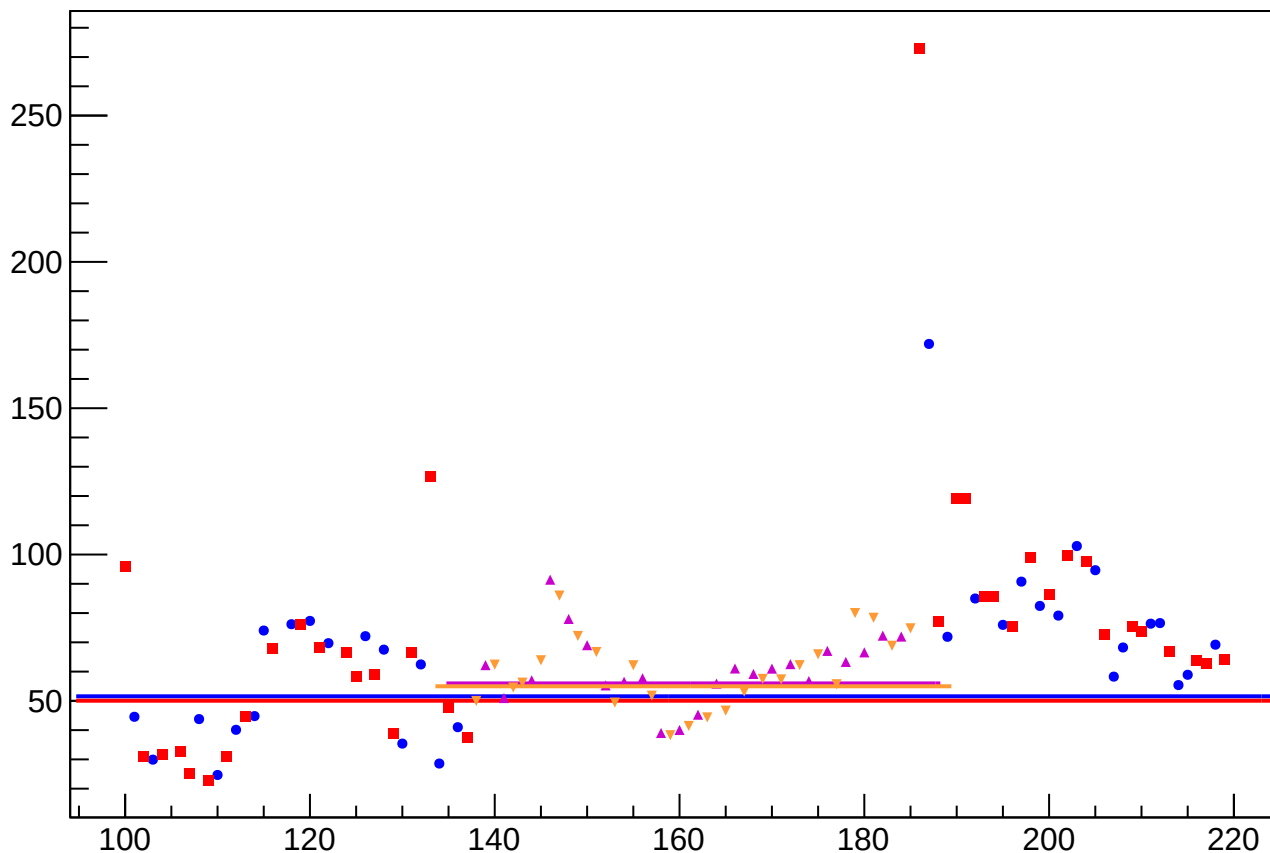
Left In: 0.007 ± 0.014 $\chi^2/\text{NDF}: 15.1/22$

+ sign 0.010 ± 0.009 $\chi^2/\text{NDF}: 73.7/56$

All: -0.000 ± 0.006 $\chi^2/\text{NDF}: 206.5/116$

- sign -0.010 ± 0.009 $\chi^2/\text{NDF}: 130.4/59$

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.553 ± 0.009 $\chi^2/\text{NDF}: 5547520.3/31$

Left Out: 54.986 ± 0.009 $\chi^2/\text{NDF}: 1566844.0/24$

Right Out: 50.055 ± 0.009 $\chi^2/\text{NDF}: 7861855.2/36$

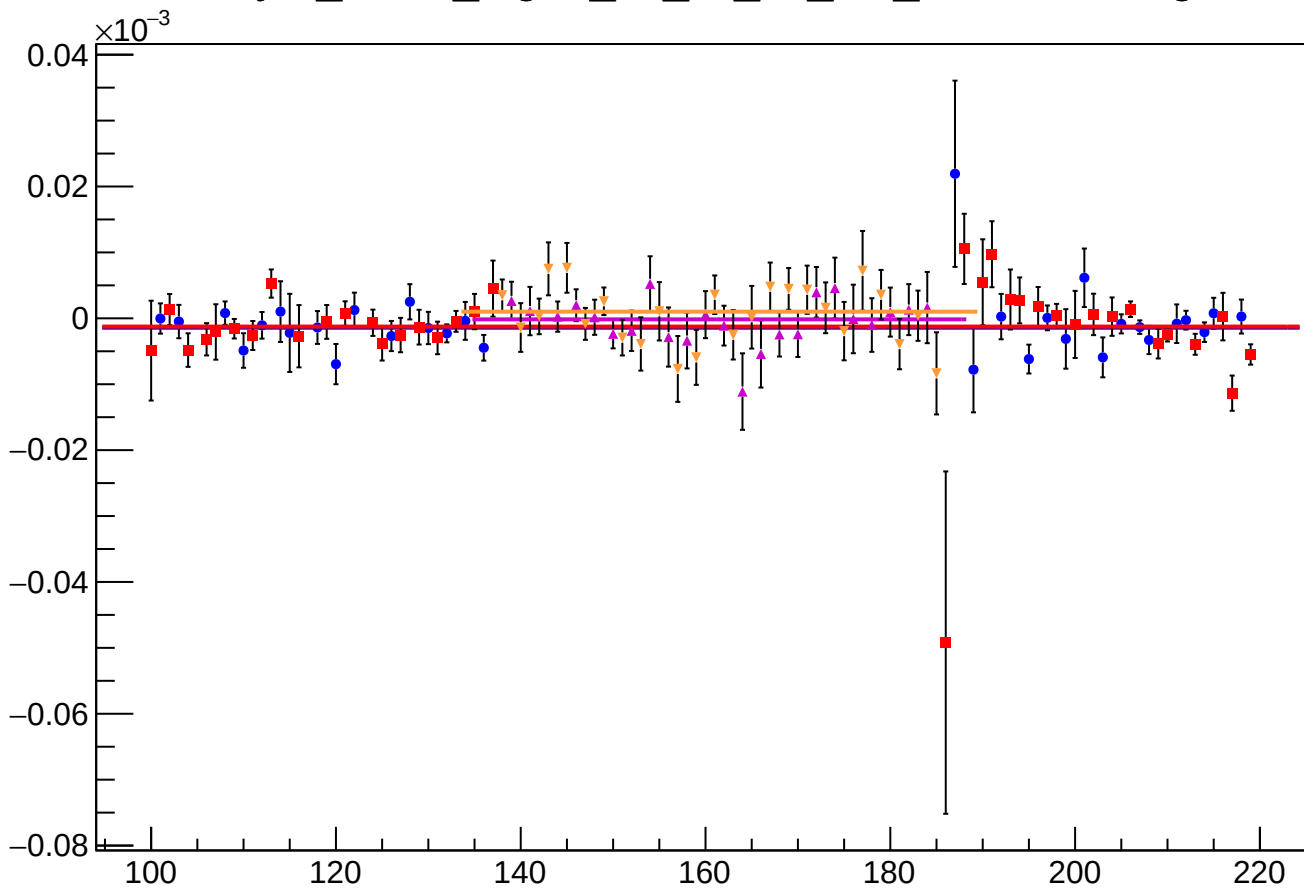
Left In: 55.956 ± 0.010 $\chi^2/\text{NDF}: 1406142.1/22$

+ sign 53.232 ± 0.006 $\chi^2/\text{NDF}: 7186161.7/56$

All: 52.983 ± 0.005 $\chi^2/\text{NDF}: 16665353.4/116$

- sign 52.733 ± 0.006 $\chi^2/\text{NDF}: 9476171.7/59$

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 31.6/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.5/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 71.2/36

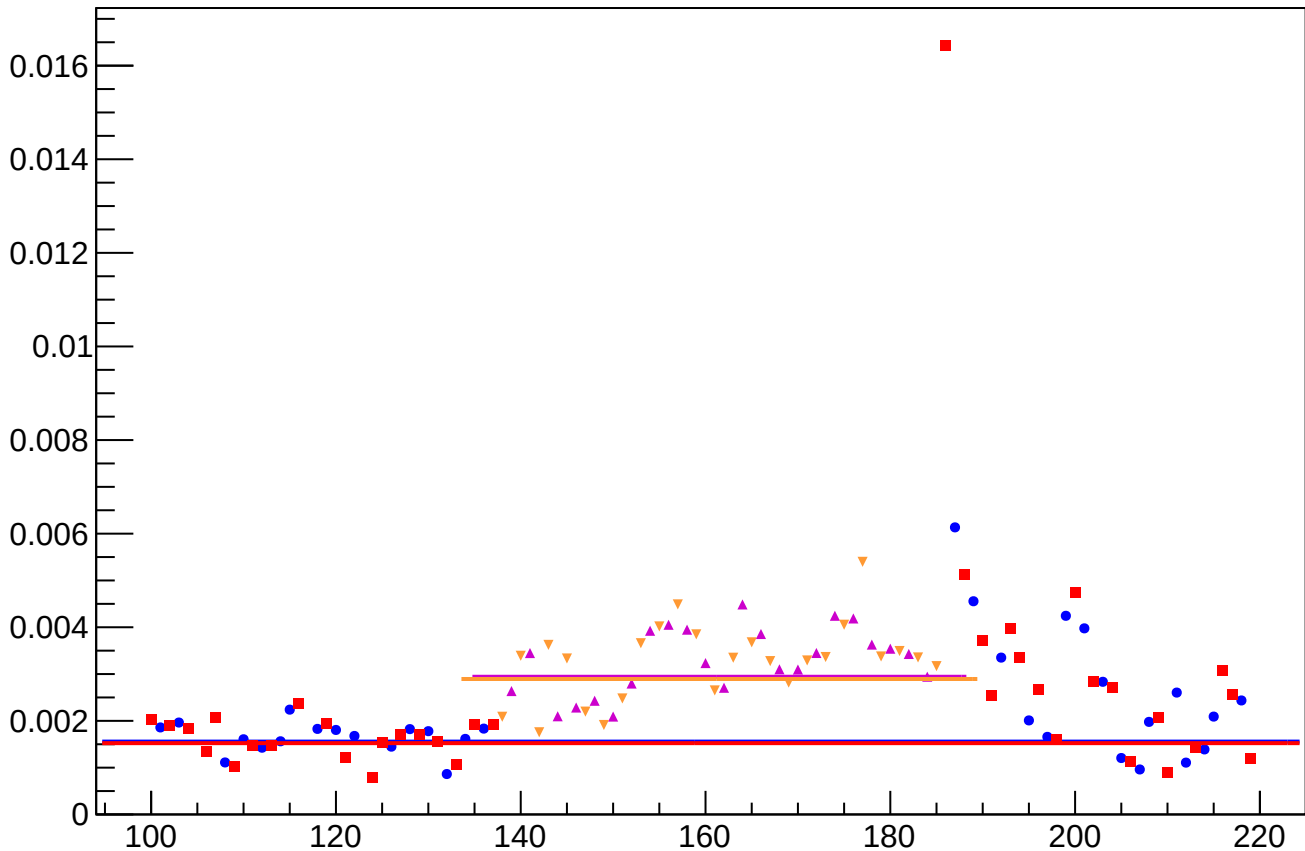
Left In: -0.000 ± 0.000 χ^2/NDF : 14.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 69.7/56

All: -0.000 ± 0.000 χ^2/NDF : 156.9/116

- sign -0.000 ± 0.000 χ^2/NDF : 87.1/59

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 ± 0.000 $\chi^2/\text{NDF}: 5504578.6/31$

Left Out: 0.003 ± 0.000 $\chi^2/\text{NDF}: 2642911.8/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 7750951.7/36$

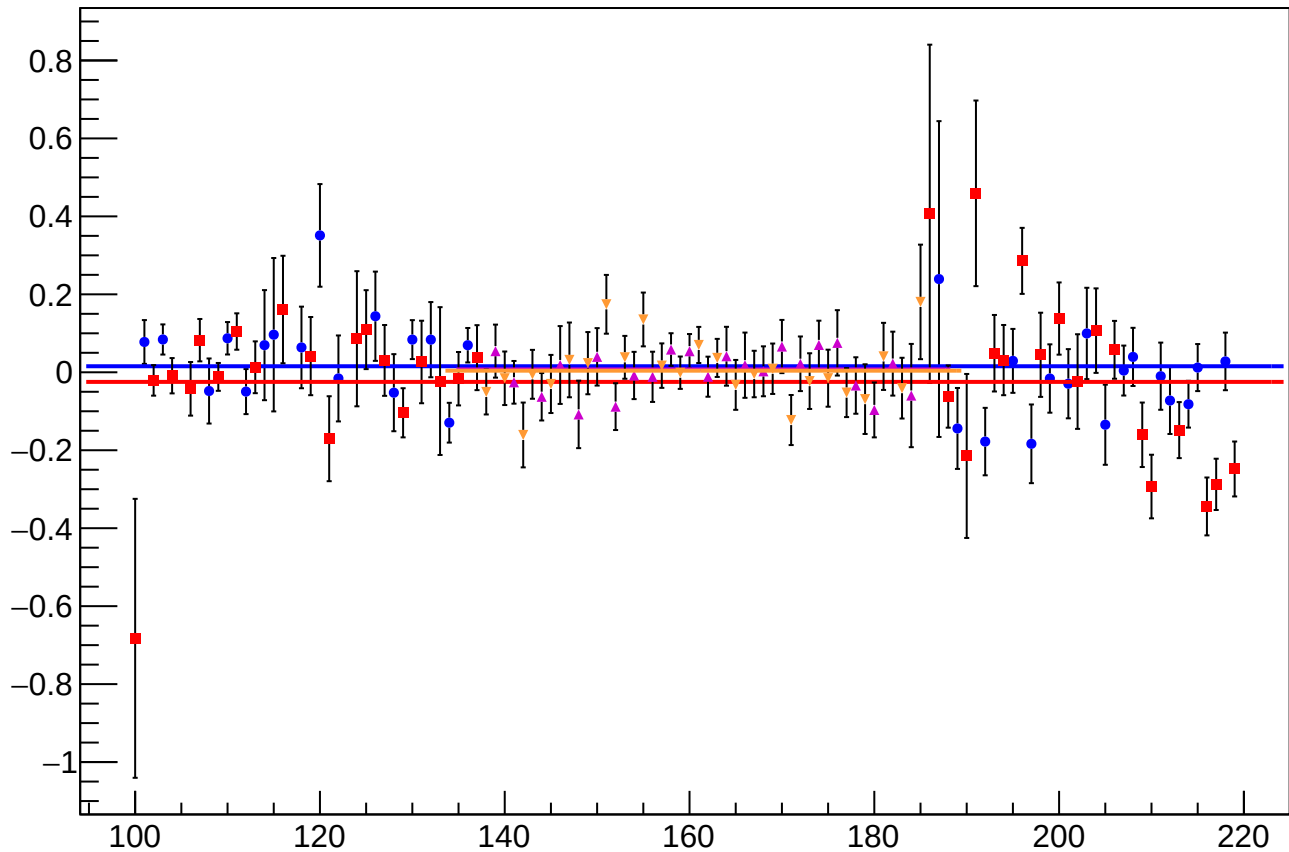
Left In: 0.003 ± 0.000 $\chi^2/\text{NDF}: 1890470.3/22$

+ sign 0.002 ± 0.000 $\chi^2/\text{NDF}: 13941250.2/56$

All: 0.002 ± 0.000 $\chi^2/\text{NDF}: 29870303.8/116$

- sign 0.002 ± 0.000 $\chi^2/\text{NDF}: 15909504.8/59$

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.013 χ^2 /NDF: 48.5/31

Left Out: 0.004 $\pm$ 0.013 χ^2 /NDF:24.8/24

Right Out: -0.025 $\pm$ 0.012 χ^2 /NDF: 112.3/36

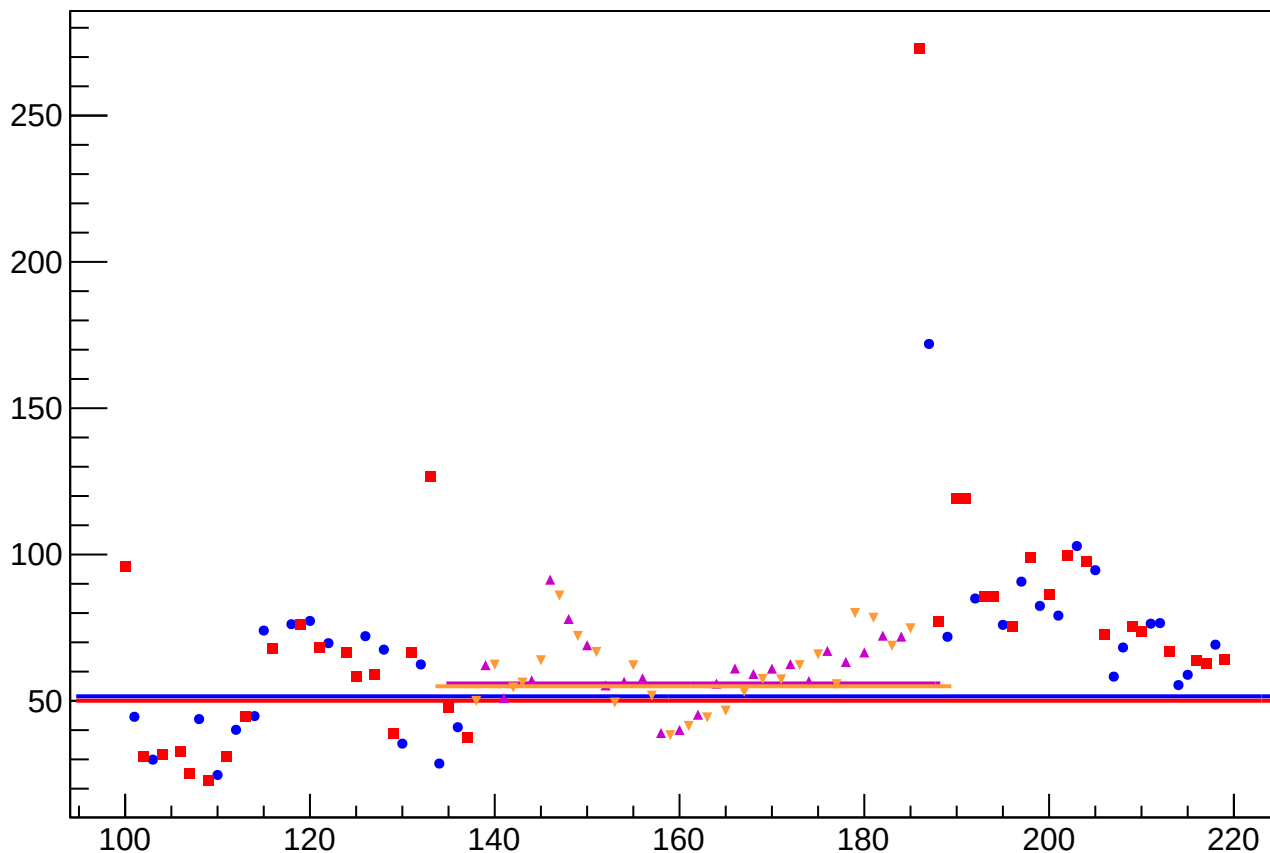
Left In: 0.007 $\pm$ 0.014 χ^2 /NDF:15.1/22

+ sign 0.010 $\pm$ 0.009 χ^2 /NDF: 73.7/56

All: -0.000 $\pm$ 0.006 χ^2 /NDF: 206.5/116

- sign -0.010 $\pm$ 0.009 χ^2 /NDF: 130.4/59

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 51.552 ± 0.009 $\chi^2/\text{NDF}: 5547672.2/31$

Left Out: 54.985 ± 0.009 $\chi^2/\text{NDF}: 1566963.9/24$

Right Out: 50.055 ± 0.009 $\chi^2/\text{NDF}: 7861893.1/36$

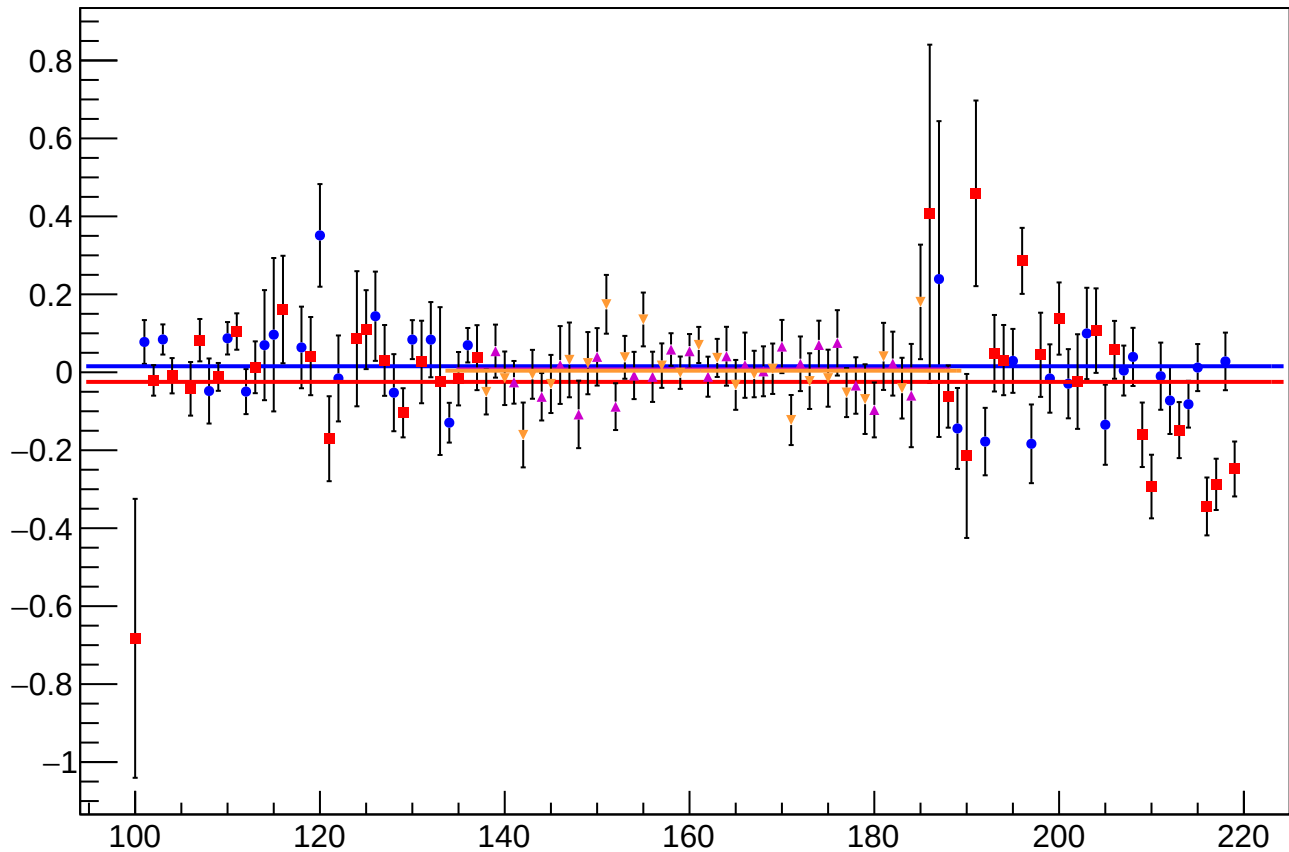
Left In: 55.955 ± 0.010 $\chi^2/\text{NDF}: 1406309.5/22$

+ sign 53.231 ± 0.006 $\chi^2/\text{NDF}: 7186417.1/56$

All: 52.983 ± 0.005 $\chi^2/\text{NDF}: 16665758.4/116$

- sign 52.732 ± 0.006 $\chi^2/\text{NDF}: 9476322.2/59$

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.013 χ^2/NDF : 48.5/31

Left Out: 0.004 ± 0.013 χ^2/NDF : 24.8/24

Right Out: -0.025 ± 0.012 χ^2/NDF : 112.3/36

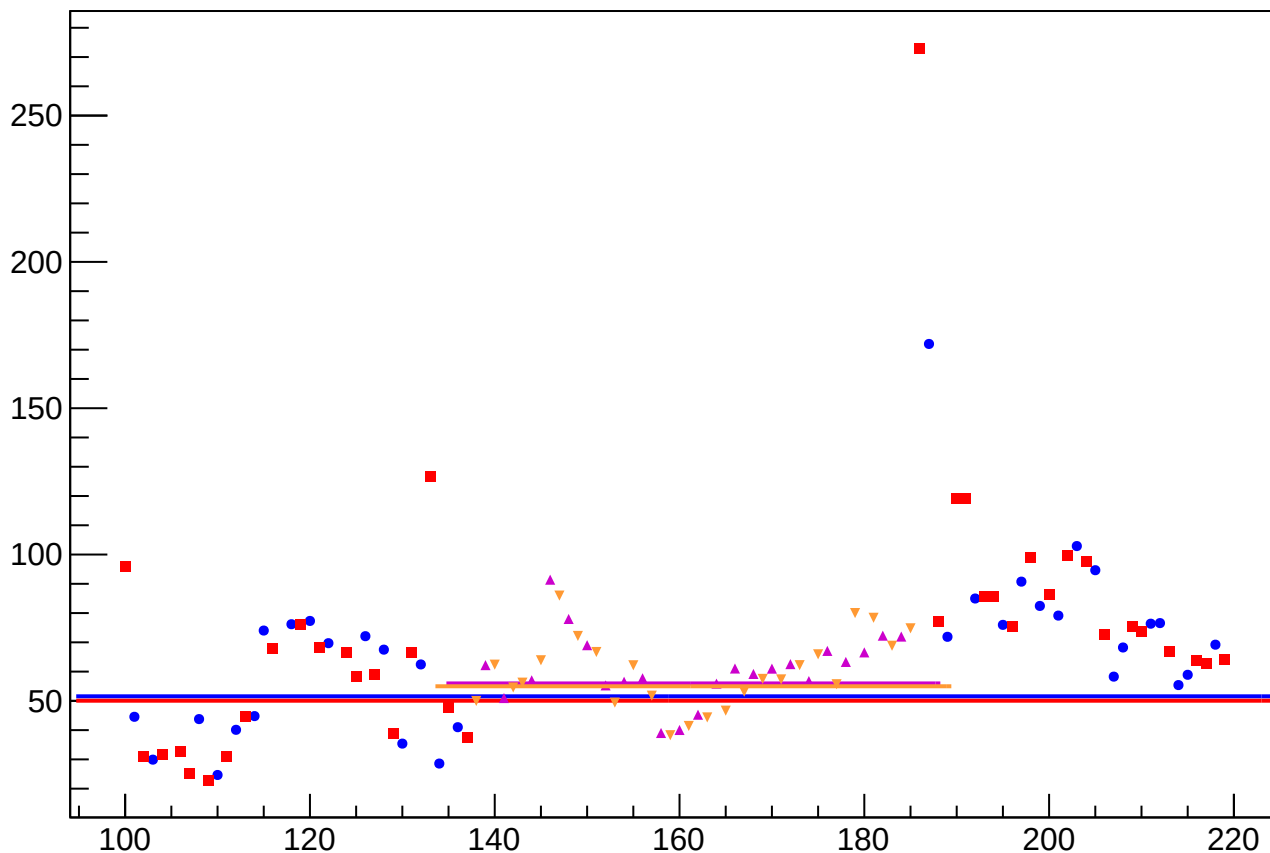
Left In: 0.007 ± 0.014 χ^2/NDF : 15.1/22

+ sign 0.010 ± 0.009 χ^2/NDF : 73.7/56

All: -0.000 ± 0.006 χ^2/NDF : 206.5/116

- sign -0.010 ± 0.009 χ^2/NDF : 130.4/59

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.552 $\pm$ 0.009 χ^2 /NDF: 5547672.2/31

Left Out: 54.985 $\pm$ 0.009 χ^2 /NDF: 1566963.9/24

Right Out: 50.055 $\pm$ 0.009 χ^2 /NDF: 7861893.1/36

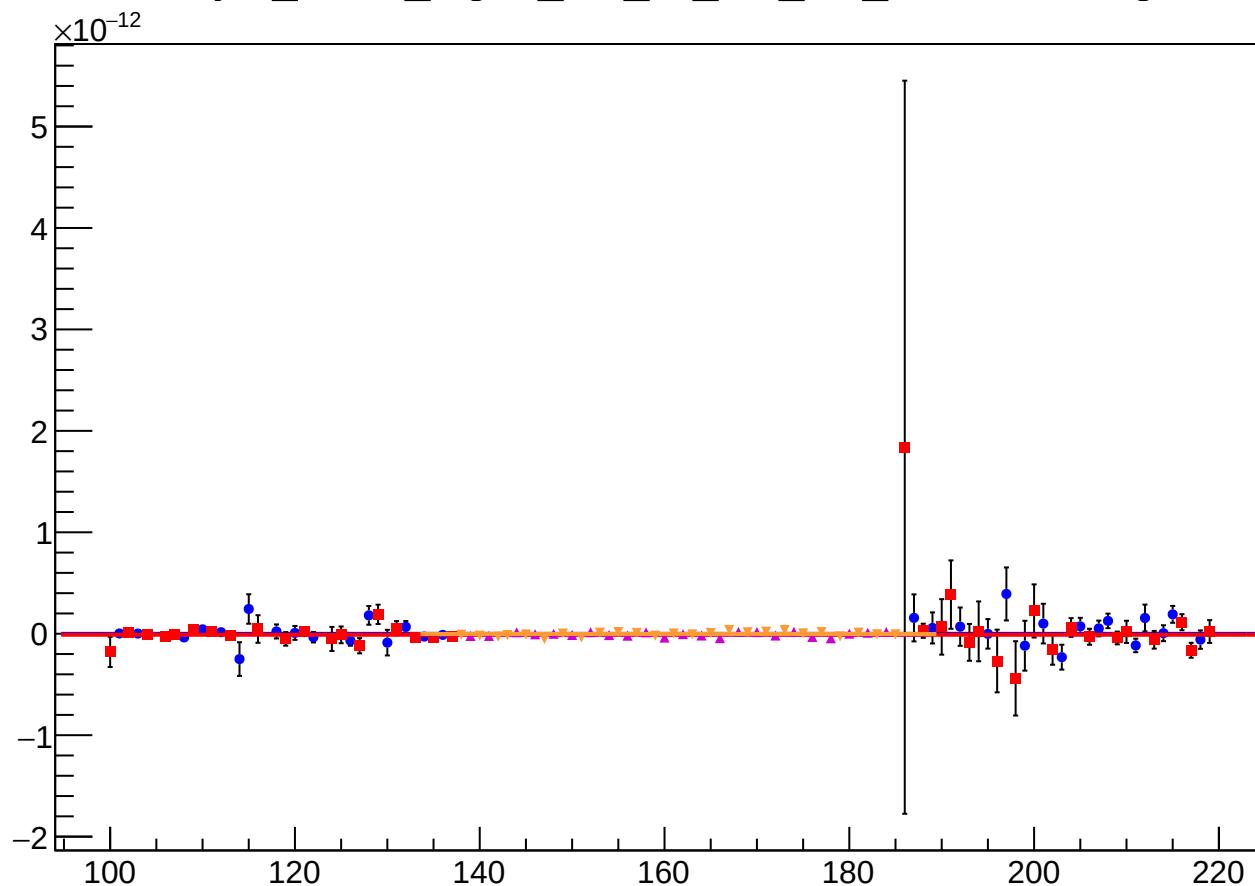
Left In: 55.955 $\pm$ 0.010 χ^2 /NDF: 1406309.5/22

+ sign 53.231 $\pm$ 0.006 χ^2 /NDF: 7186417.1/56

All: 52.983 $\pm$ 0.005 χ^2 /NDF: 16665758.4/116

- sign 52.732 $\pm$ 0.006 χ^2 /NDF: 9476322.2/59

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 38.1/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 19.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 29.8/36

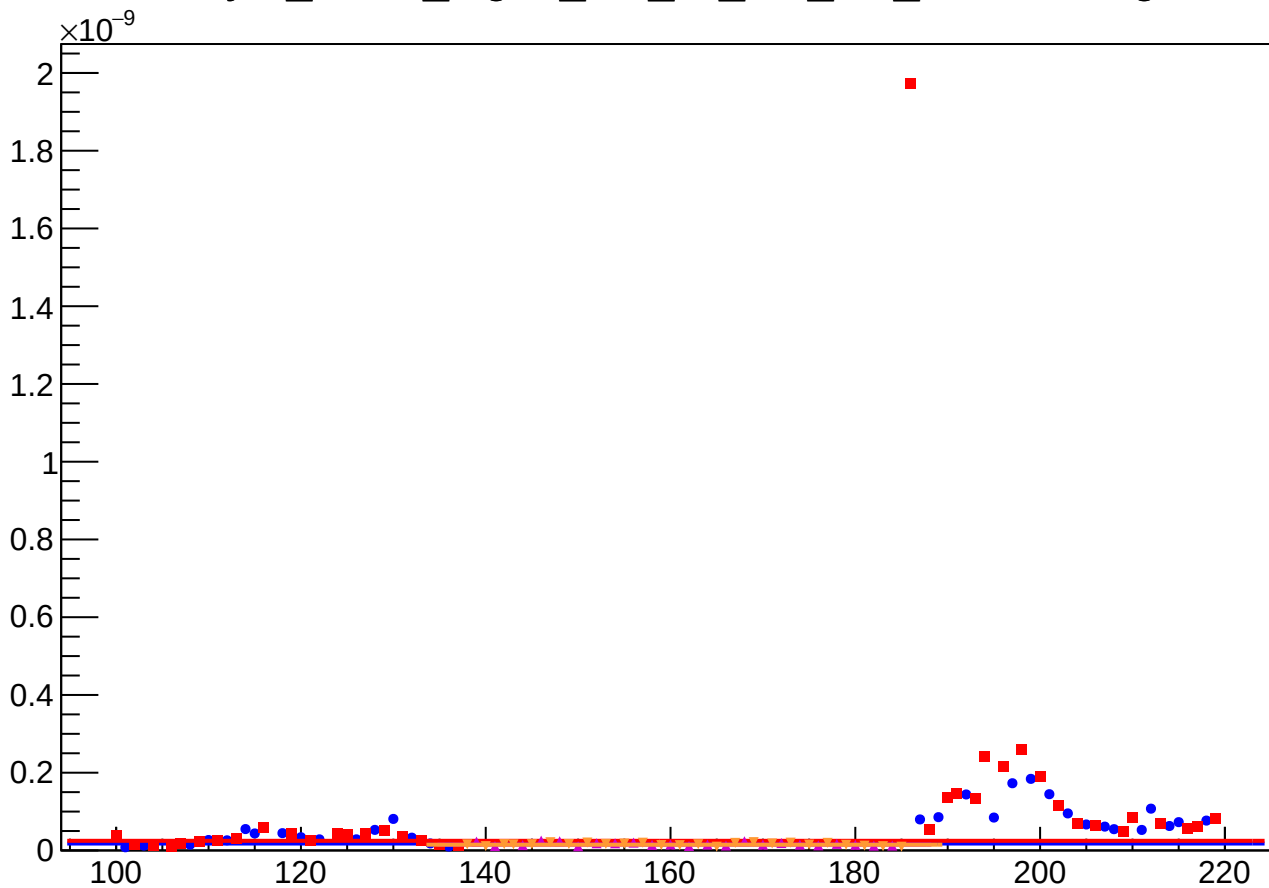
Left In: -0.000 ± 0.000 χ^2/NDF : 21.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 57.5/56

All: -0.000 ± 0.000 χ^2/NDF : 110.4/116

- sign -0.000 ± 0.000 χ^2/NDF : 51.8/59

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14668712.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 13058384.4/36

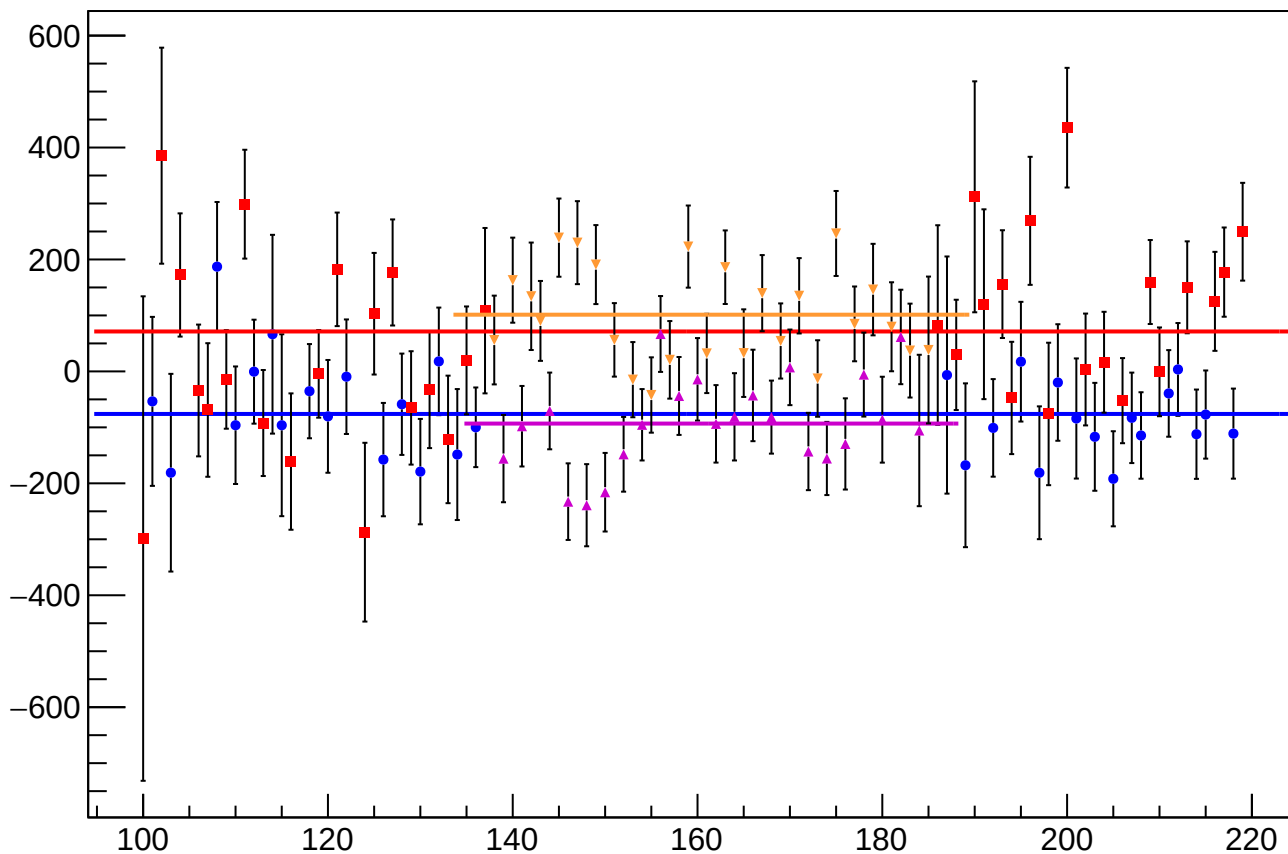
Left In: 0.000+/-0.000 χ^2/NDF : 1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 16351472.3/56

All: 0.000+/-0.000 χ^2/NDF : 33096015.5/116

- sign 0.000+/-0.000 χ^2/NDF : 16612724.2/59

reg_asym_sam7_mean vs Slug



Right In: -76.036 ± 17.243 χ^2/NDF : 17.2/31

Left Out: 101.325 ± 14.642 χ^2/NDF : 33.9/24

Right Out: 71.342 ± 16.880 χ^2/NDF : 66.6/36

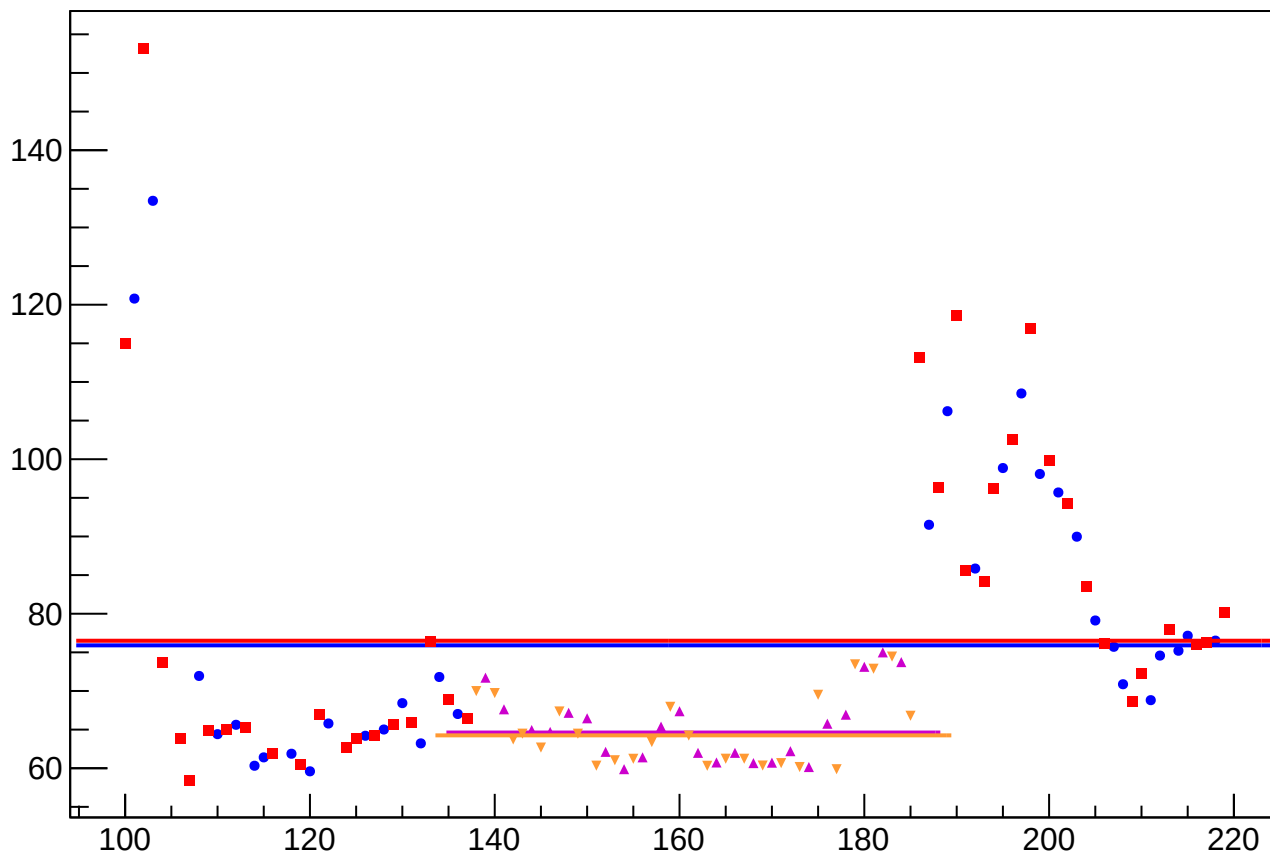
Left In: -93.236 ± 15.137 χ^2/NDF : 28.8/22

+ sign 27.020 ± 11.161 χ^2/NDF : 112.5/56

All: 3.795 ± 7.930 χ^2/NDF : 269.4/116

- sign -19.883 ± 11.269 χ^2/NDF : 148.2/59

reg_asym_sam7_rms vs Slug



Right In: 75.906 $\pm$ 0.012 χ^2 /NDF: 1332021.3/31

Left Out: 64.256 $\pm$ 0.010 χ^2 /NDF: 177697.9/24

Right Out: 76.503 $\pm$ 0.012 χ^2 /NDF: 1615606.5/36

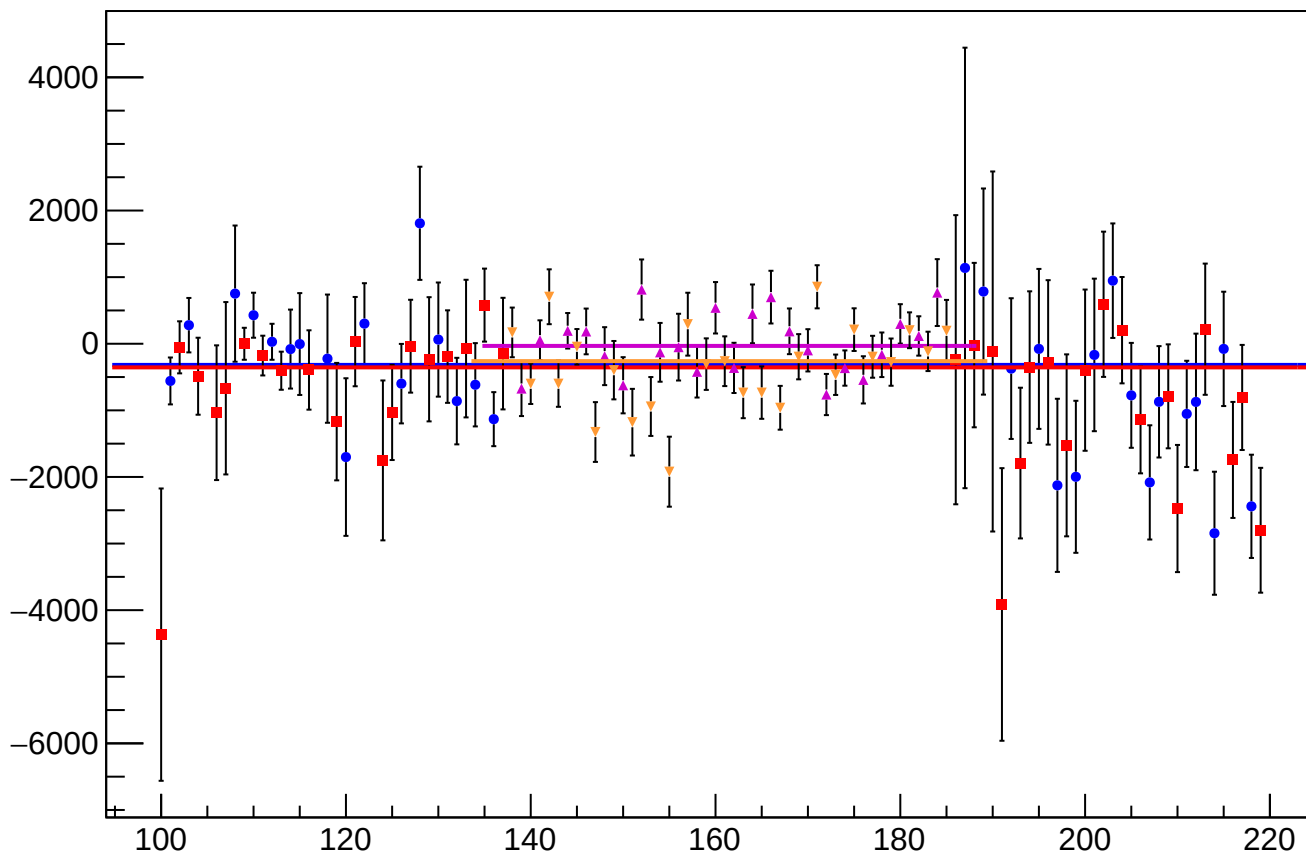
Left In: 64.621 $\pm$ 0.011 χ^2 /NDF: 147201.3/22

+ sign 69.137 $\pm$ 0.008 χ^2 /NDF: 2040261.0/56

All: 69.523 $\pm$ 0.006 χ^2 /NDF: 4357214.2/116

- sign 69.917 $\pm$ 0.008 χ^2 /NDF: 2312111.0/59

asym_sam7_reg_correction_mean vs Slug



Right In: -317.614 ± 111.958 $\chi^2/\text{NDF}: 52.9/31$

Left Out: -261.124 ± 71.268 $\chi^2/\text{NDF}: 58.8/24$

Right Out: -354.968 ± 106.269 $\chi^2/\text{NDF}: 36.8/36$

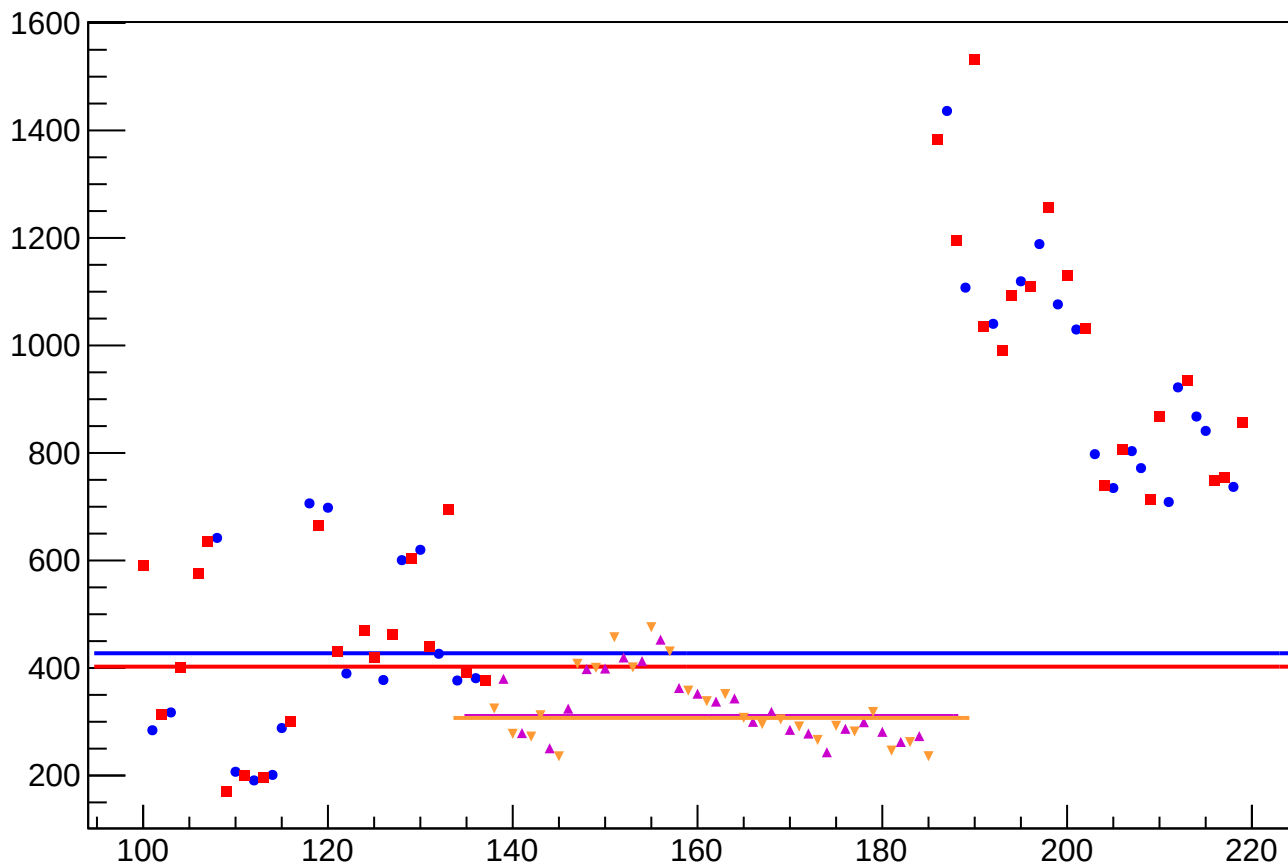
Left In: -32.423 ± 73.837 $\chi^2/\text{NDF}: 31.7/22$

+ sign -277.413 ± 60.121 $\chi^2/\text{NDF}: 111.8/56$

All: -208.024 ± 42.693 $\chi^2/\text{NDF}: 189.2/116$

- sign -137.438 ± 60.637 $\chi^2/\text{NDF}: 74.7/59$

asym_sam7_reg_correction_rms vs Slug



Right In: 427.420 $\pm$ 0.079 χ^2 /NDF: 10970181.5/31

Left Out: 307.143 $\pm$ 0.050 χ^2 /NDF:1320151.2/24

Right Out: 402.495 $\pm$ 0.075 χ^2 /NDF: 13899248.0/36

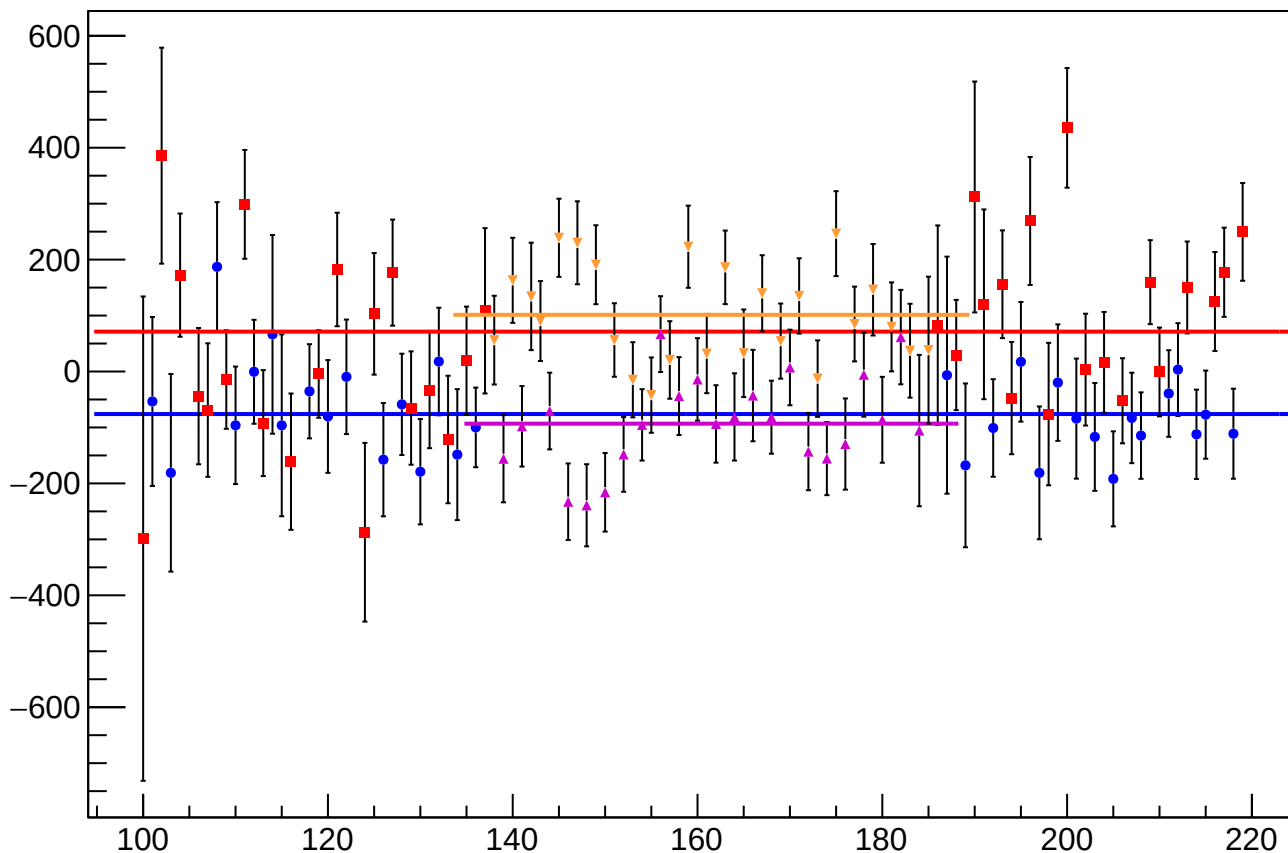
Left In: 310.697 $\pm$ 0.052 χ^2 /NDF:1079476.2/22

+ sign 341.827 $\pm$ 0.043 χ^2 /NDF: 13932958.0/56

All: 341.211 $\pm$ 0.030 χ^2 /NDF: 29918591.5/11

- sign 340.585 $\pm$ 0.043 χ^2 /NDF: 15985210.9/59

cor_asym_sam7_mean vs Slug



Right In: -76.039 ± 17.243 $\chi^2/\text{NDF}: 17.2/31$

Left Out: 101.325 ± 14.642 $\chi^2/\text{NDF}: 33.9/24$

Right Out: 71.294 ± 16.892 $\chi^2/\text{NDF}: 66.7/36$

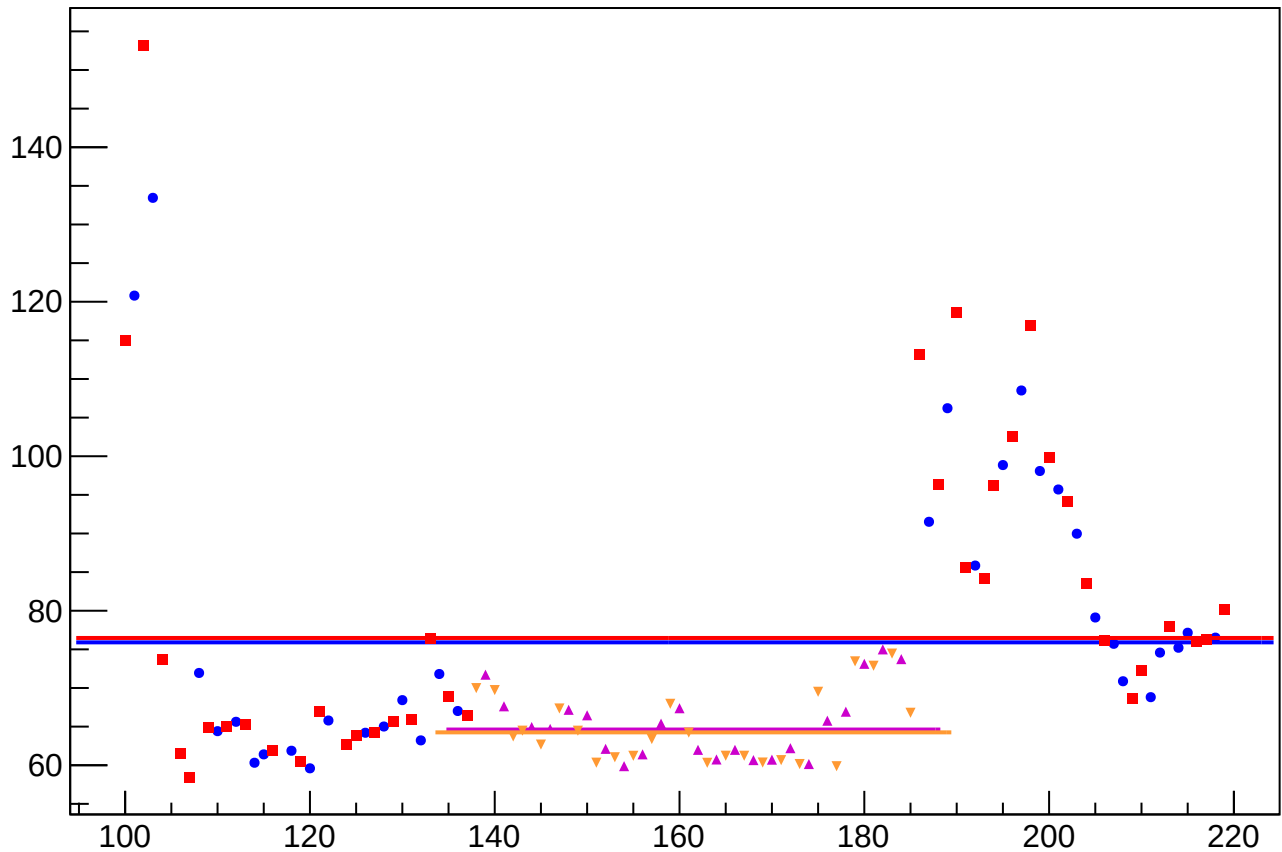
Left In: -93.235 ± 15.137 $\chi^2/\text{NDF}: 28.8/22$

+ sign 27.019 ± 11.161 $\chi^2/\text{NDF}: 112.5/56$

All: 3.764 ± 7.931 $\chi^2/\text{NDF}: 269.5/116$

- sign -19.959 ± 11.273 $\chi^2/\text{NDF}: 148.2/59$

cor_asym_sam7_rms vs Slug



Right In: 75.906 $\pm$ 0.012 χ^2 /NDF: 1332021.7/31

Left Out: 64.256 $\pm$ 0.010 χ^2 /NDF: 177697.9/24

Right Out: 76.475 $\pm$ 0.012 χ^2 /NDF: 1622887.5/36

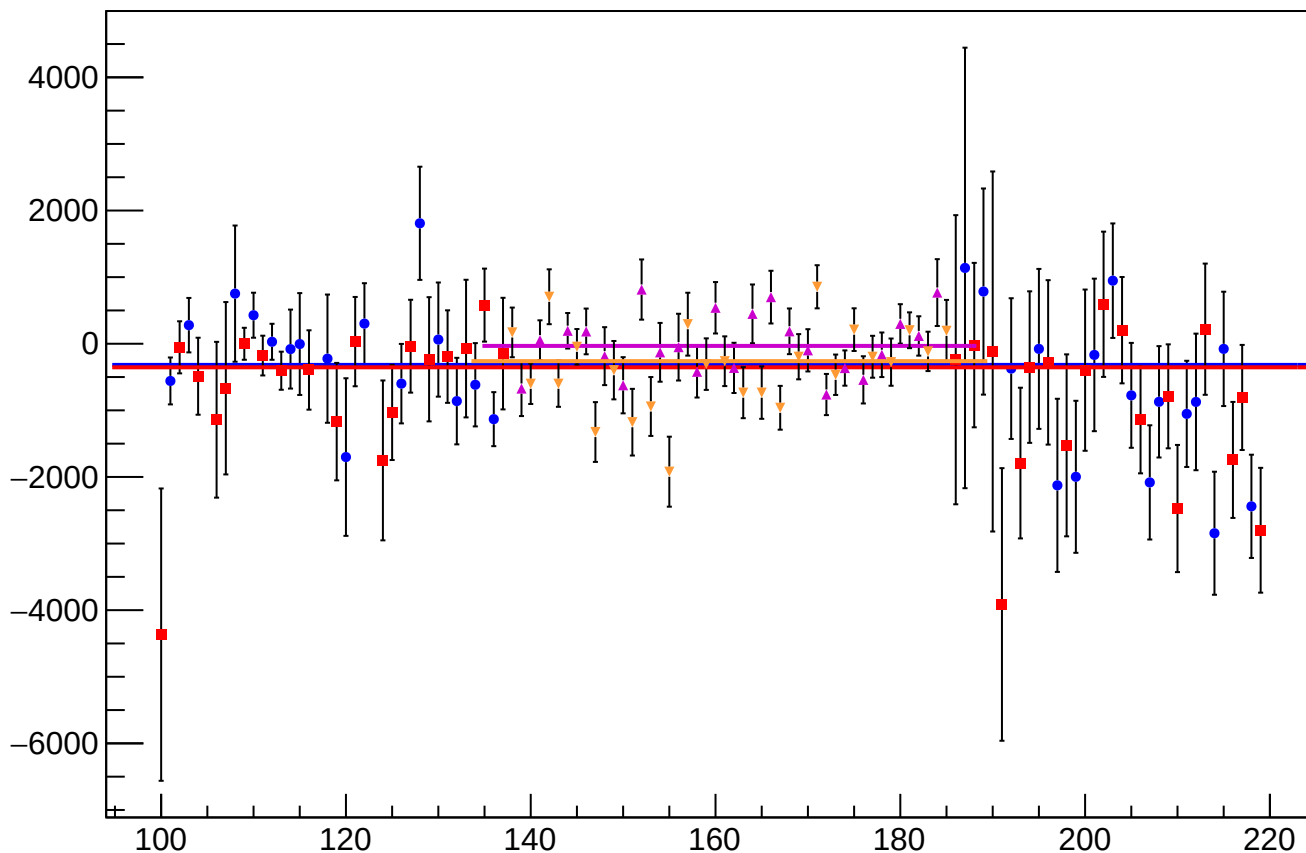
Left In: 64.621 $\pm$ 0.011 χ^2 /NDF: 147201.3/22

+ sign 69.137 $\pm$ 0.008 χ^2 /NDF: 2040261.4/56

All: 69.515 $\pm$ 0.006 χ^2 /NDF: 4361260.0/116

- sign 69.901 $\pm$ 0.008 χ^2 /NDF: 2316361.7/59

asym_sam7_cor_correction_mean vs Slug



Right In: -317.613 ± 111.959 $\chi^2/\text{NDF}: 52.9/31$

Left Out: -261.124 ± 71.268 $\chi^2/\text{NDF}: 58.8/24$

Right Out: -353.960 ± 106.421 $\chi^2/\text{NDF}: 36.8/36$

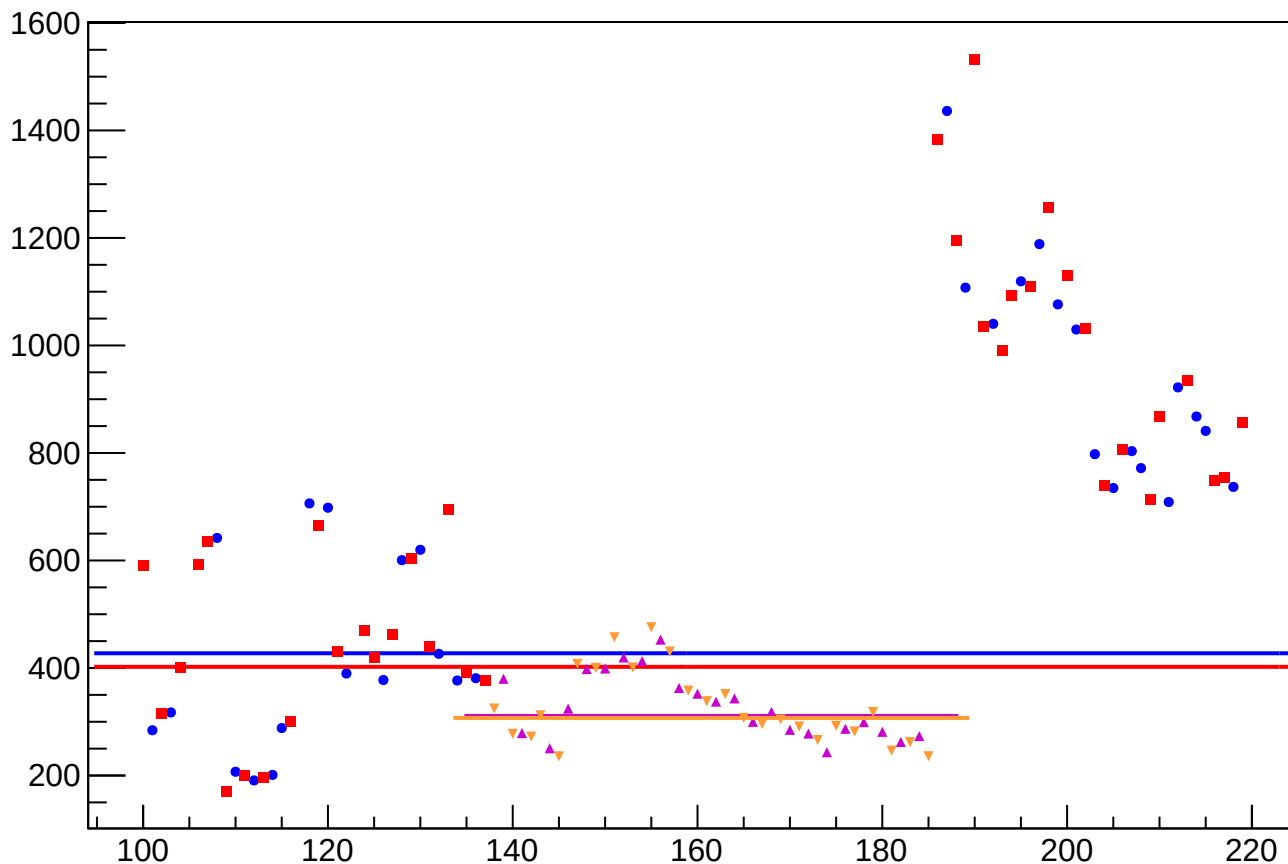
Left In: -32.420 ± 73.837 $\chi^2/\text{NDF}: 31.7/22$

+ sign -277.413 ± 60.121 $\chi^2/\text{NDF}: 111.8/56$

All: -207.793 ± 42.703 $\chi^2/\text{NDF}: 189.2/116$

- sign -136.906 ± 60.665 $\chi^2/\text{NDF}: 74.6/59$

asym_sam7_cor_correction_rms vs Slug



Right In: 427.422+/-0.079 χ^2/NDF : 10970105.5/31

Left Out: 307.143+/-0.050 χ^2/NDF :1320147.4/24

Right Out: 402.178+/-0.075 χ^2/NDF : 13893593.6/36

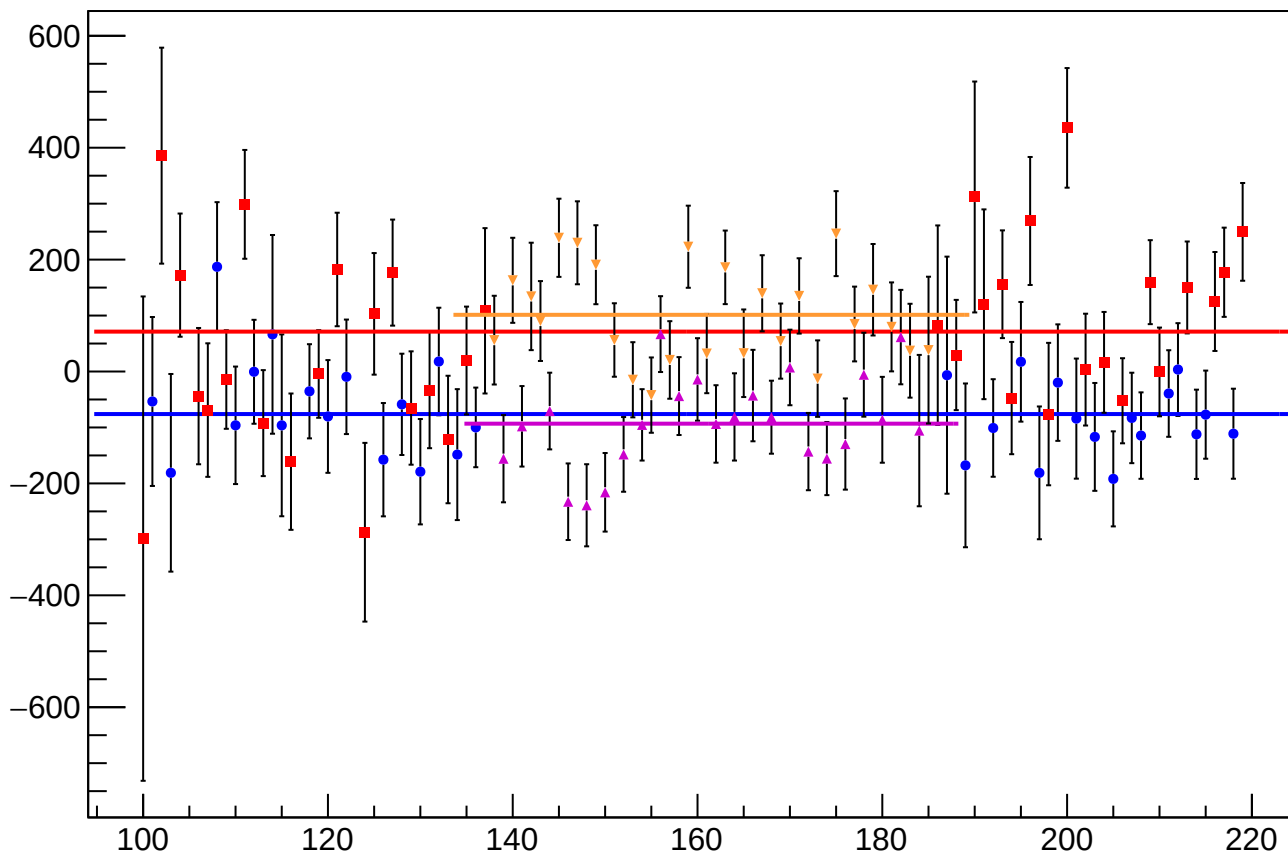
Left In: 310.698+/-0.052 χ^2/NDF :1079479.8/22

+ sign 341.827+/-0.043 χ^2/NDF : 13932942.9/56

All: 341.132+/-0.030 χ^2/NDF : 29904173.1/11

- sign 340.425+/-0.043 χ^2/NDF : 15970691.1/59

eigen_cor_asym_sam7_mean vs Slug



Right In: -76.039 ± 17.243 $\chi^2/\text{NDF}: 17.2/31$

Left Out: 101.325 ± 14.642 $\chi^2/\text{NDF}: 33.9/24$

Right Out: 71.294 ± 16.892 $\chi^2/\text{NDF}: 66.7/36$

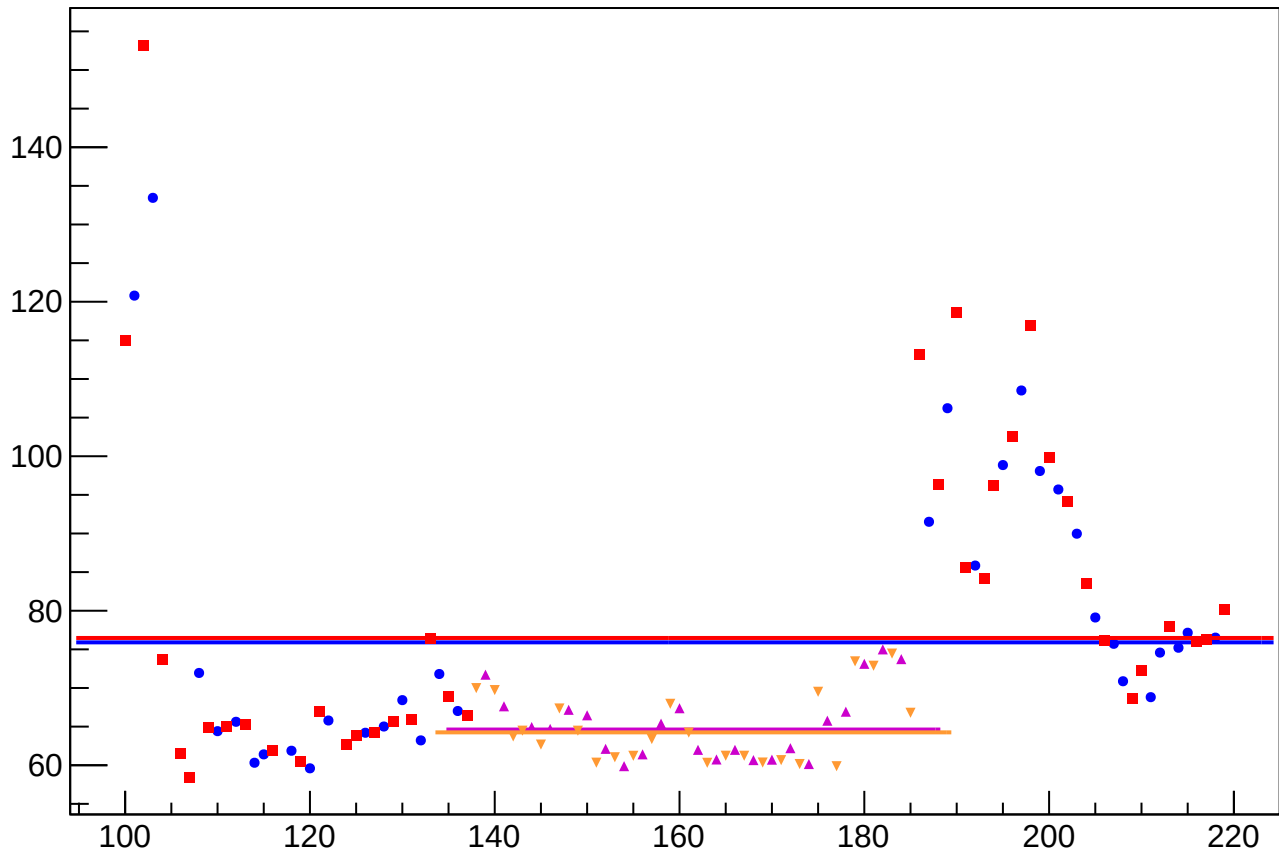
Left In: -93.235 ± 15.137 $\chi^2/\text{NDF}: 28.8/22$

+ sign 27.019 ± 11.161 $\chi^2/\text{NDF}: 112.5/56$

All: 3.764 ± 7.931 $\chi^2/\text{NDF}: 269.5/116$

- sign -19.959 ± 11.273 $\chi^2/\text{NDF}: 148.2/59$

eigen_cor_asym_sam7_rms vs Slug



Right In: 75.906+/-0.012 χ^2/NDF : 1332021.7/31

Left Out: 64.256+/-0.010 χ^2/NDF : 177697.9/24

Right Out: 76.475+/-0.012 χ^2/NDF : 1622887.5/36

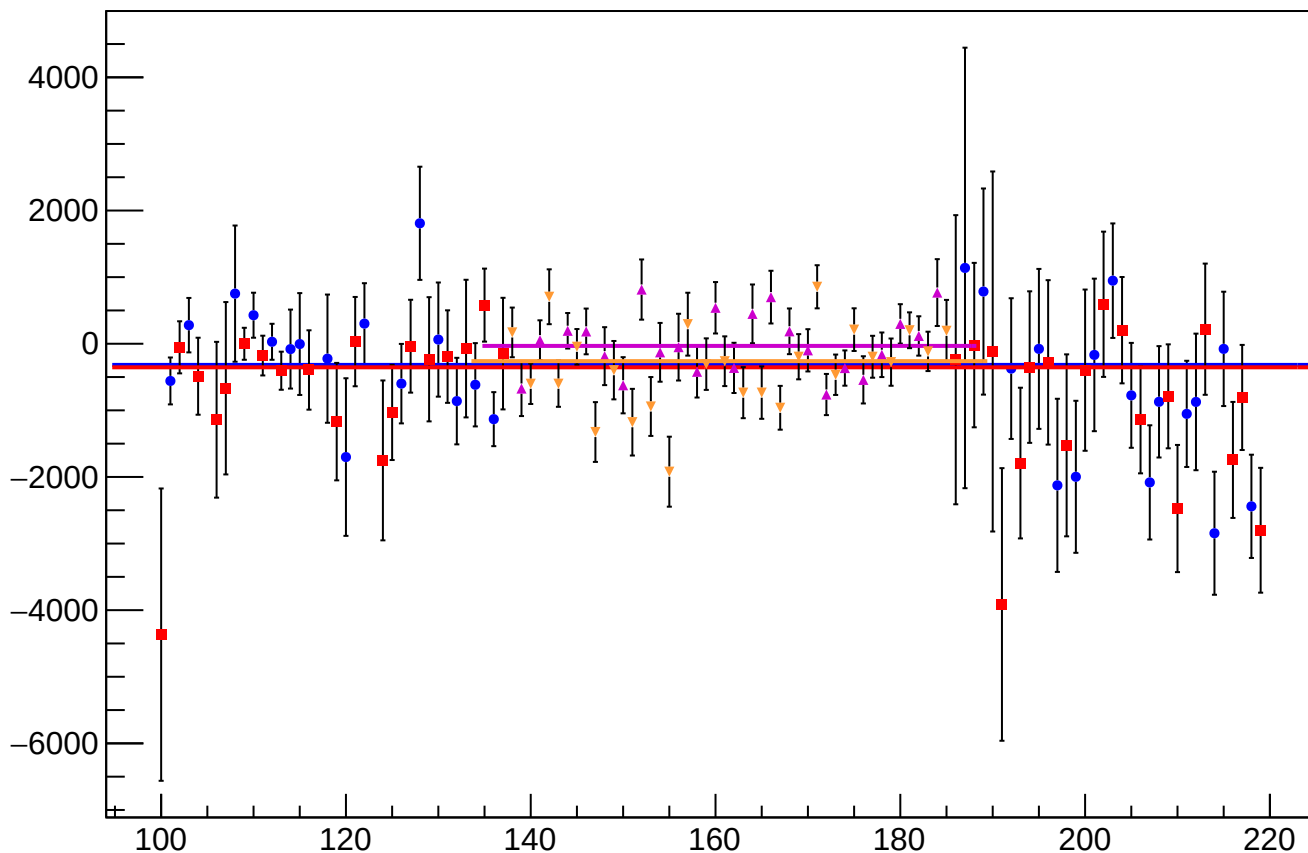
Left In: 64.621+/-0.011 χ^2/NDF : 147201.3/22

+ sign 69.137+/-0.008 χ^2/NDF : 2040261.4/56

All: 69.515+/-0.006 χ^2/NDF : 4361260.0/116

- sign 69.901+/-0.008 χ^2/NDF : 2316361.7/59

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -317.613 ± 111.959 $\chi^2/\text{NDF}: 52.9/31$

Left Out: -261.124 ± 71.268 $\chi^2/\text{NDF}: 58.8/24$

Right Out: -353.960 ± 106.421 $\chi^2/\text{NDF}: 36.8/36$

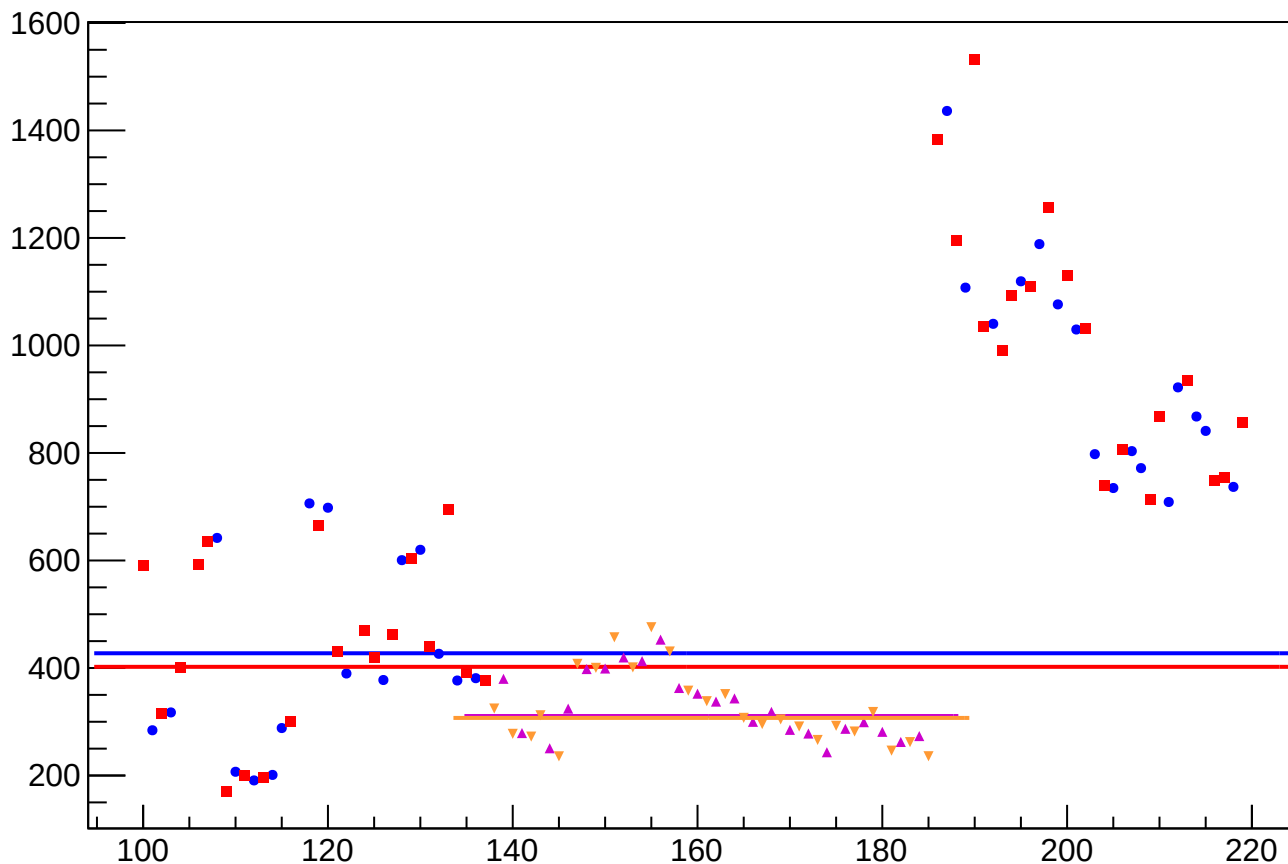
Left In: -32.420 ± 73.837 $\chi^2/\text{NDF}: 31.7/22$

+ sign -277.413 ± 60.121 $\chi^2/\text{NDF}: 111.8/56$

All: -207.793 ± 42.703 $\chi^2/\text{NDF}: 189.2/116$

- sign -136.906 ± 60.665 $\chi^2/\text{NDF}: 74.6/59$

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 427.422+/-0.079 χ^2/NDF : 10970105.5/31

Left Out: 307.143+/-0.050 χ^2/NDF : 1320147.4/24

Right Out: 402.178+/-0.075 χ^2/NDF : 13893593.6/36

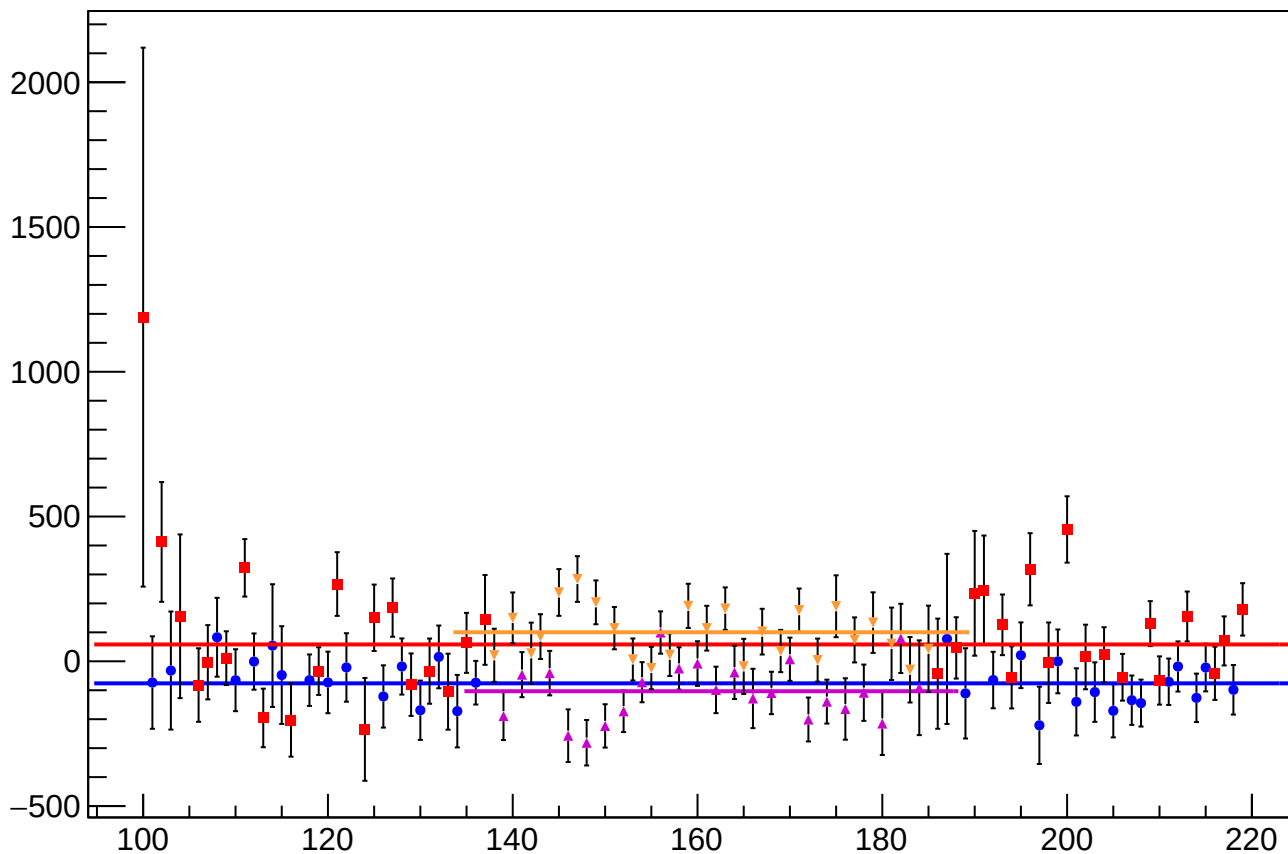
Left In: 310.698+/-0.052 χ^2/NDF : 1079479.8/22

+ sign 341.827+/-0.043 χ^2/NDF : 13932942.9/56

All: 341.132+/-0.030 χ^2/NDF : 29904173.1/11

- sign 340.425+/-0.043 χ^2/NDF : 15970691.1/59

dit_asym_sam7_mean vs Slug



Right In: -76.149 ± 18.459 χ^2/NDF : 12.0/31

Left Out: 100.277 ± 16.625 χ^2/NDF : 27.7/24

Right Out: 58.175 ± 18.145 χ^2/NDF : 67.6/36

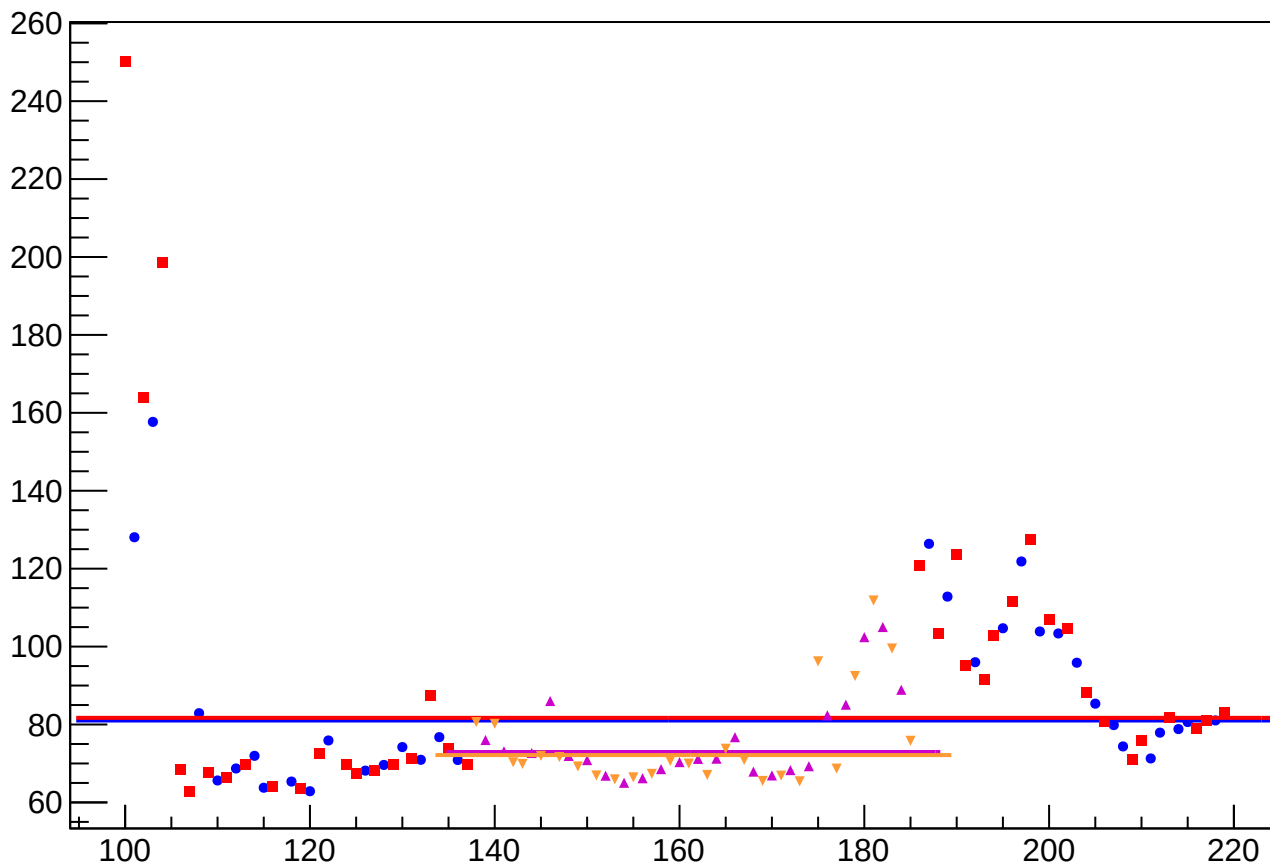
Left In: -103.363 ± 17.260 χ^2/NDF : 32.7/22

+ sign 21.262 ± 12.353 χ^2/NDF : 90.1/56

All: -2.389 ± 8.789 χ^2/NDF : 239.4/116

- sign -26.628 ± 12.506 χ^2/NDF : 141.9/59

dit_asym_sam7_rms vs Slug



Right In: 81.027+/-0.013 χ^2 /NDF: 1505405.6/31

Left Out: 72.150+/-0.012 χ^2 /NDF: 641970.1/24

Right Out: 81.711+/-0.013 χ^2 /NDF: 2129311.2/36

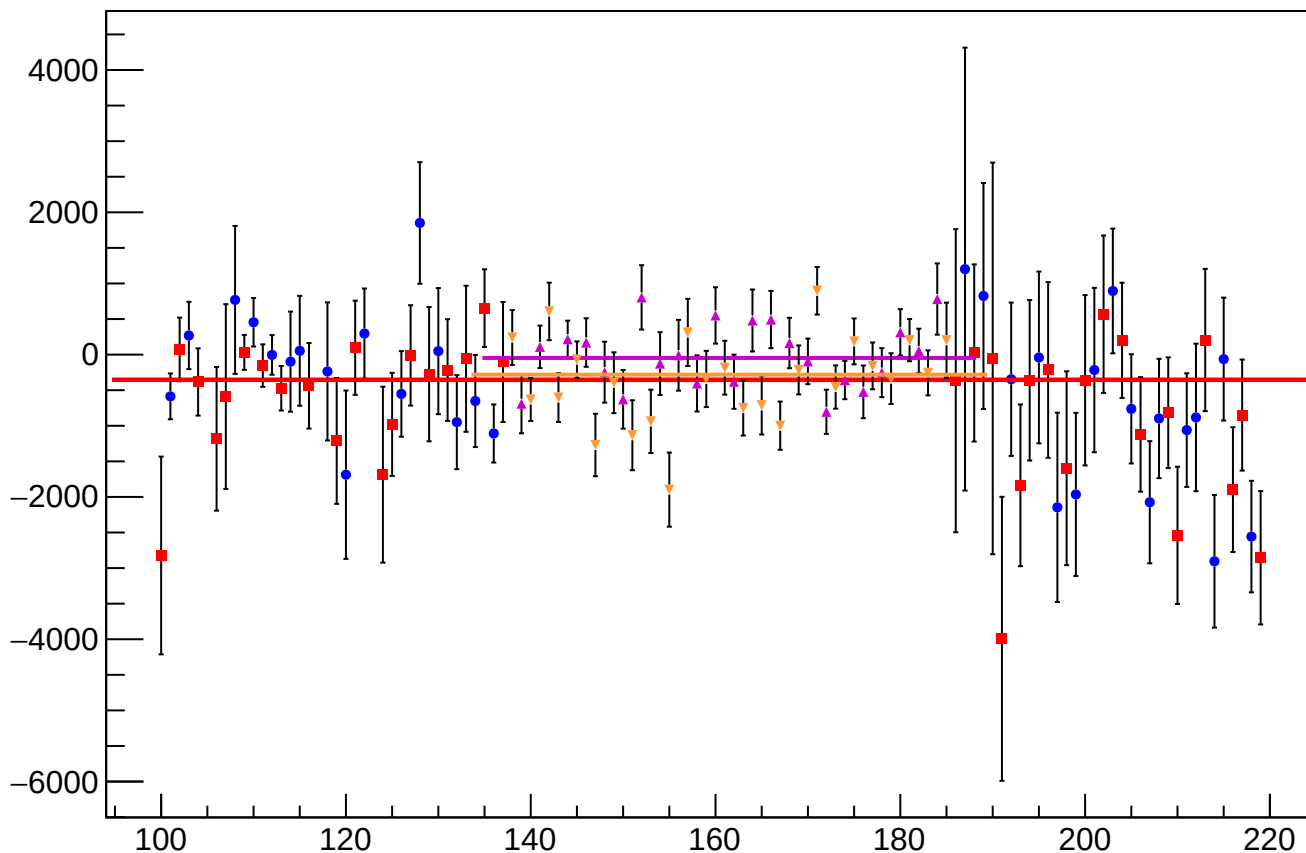
Left In: 72.948+/-0.012 χ^2 /NDF: 509028.0/22

+ sign 76.126+/-0.009 χ^2 /NDF: 2402783.8/56

All: 76.612+/-0.006 χ^2 /NDF: 5292248.8/116

- sign 77.111+/-0.009 χ^2 /NDF: 2883185.3/59

asym_sam7_dit_correction_mean vs Slug



Right In: -351.024 ± 113.854 χ^2/NDF : 52.8/31

Left Out: -281.205 ± 72.538 χ^2/NDF : 56.8/24

Right Out: -357.432 ± 108.017 χ^2/NDF : 39.5/36

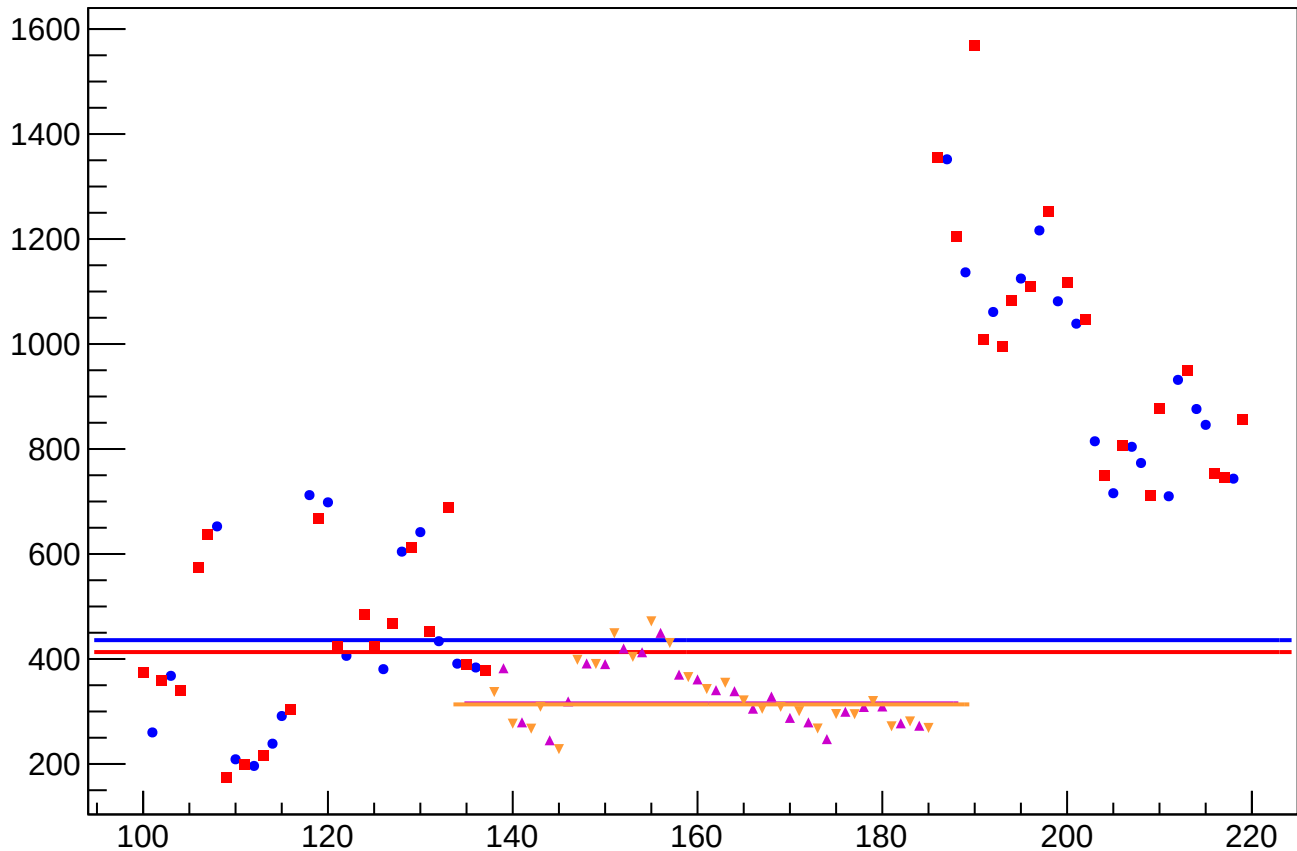
Left In: -46.569 ± 74.897 χ^2/NDF : 30.7/22

+ sign -301.363 ± 61.177 χ^2/NDF : 109.8/56

All: -224.898 ± 43.389 χ^2/NDF : 188.8/116

- sign -147.499 ± 61.549 χ^2/NDF : 75.8/59

asym_sam7_dit_correction_rms vs Slug



Right In: 435.879+/-0.081 χ^2/NDF : 10816872.5/31

Left Out: 313.500+/-0.051 χ^2/NDF :1175529.4/24

Right Out: 413.179+/-0.076 χ^2/NDF : 13387406.9/36

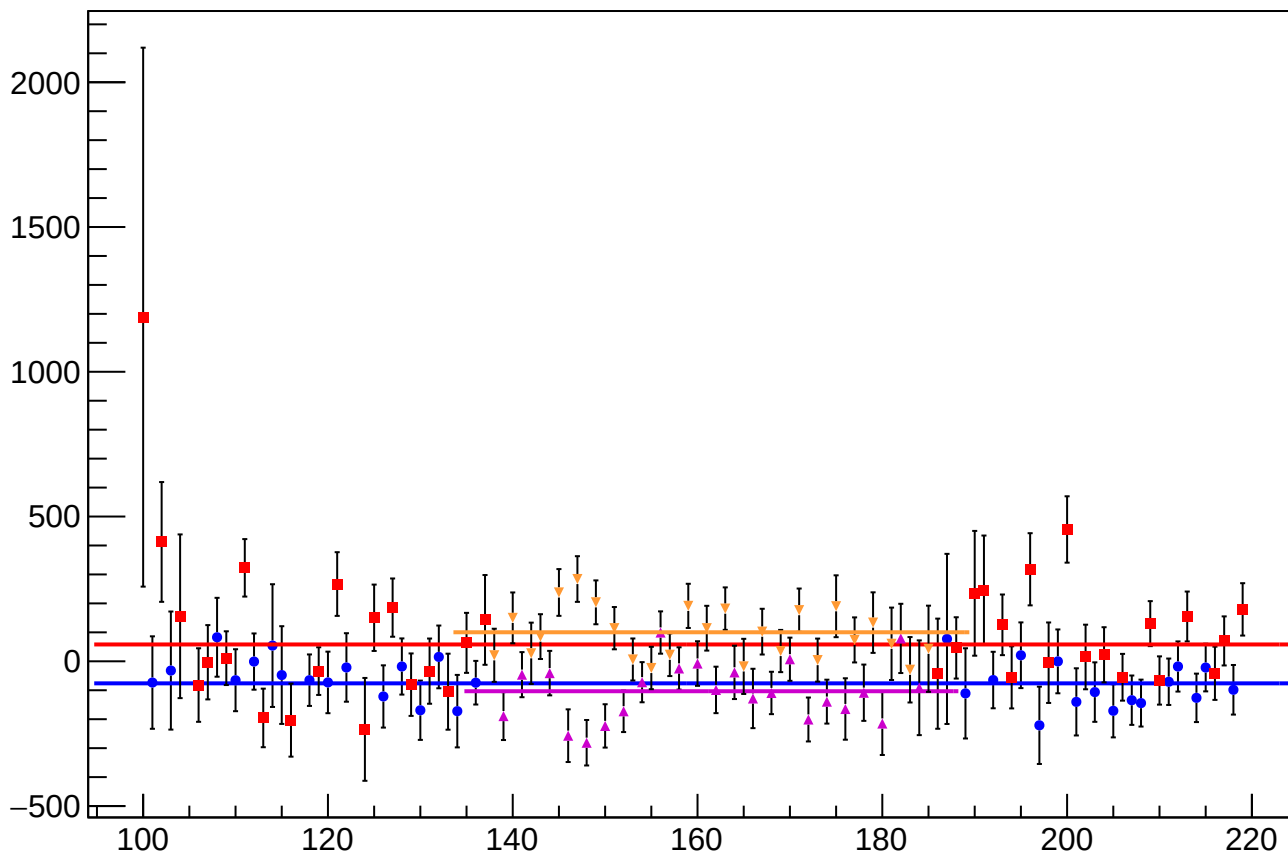
Left In: 315.455+/-0.053 χ^2/NDF :1008523.1/22

+ sign 348.833+/-0.043 χ^2/NDF : 13635959.1/56

All: 348.014+/-0.031 χ^2/NDF : 29138092.6/11

- sign 347.184+/-0.044 χ^2/NDF : 15501411.4/59

eigen_dit_asym_sam7_mean vs Slug



Right In: -76.148 ± 18.459 $\chi^2/\text{NDF}: 12.0/31$

Left Out: 100.276 ± 16.625 $\chi^2/\text{NDF}: 27.7/24$

Right Out: 58.177 ± 18.145 $\chi^2/\text{NDF}: 67.6/36$

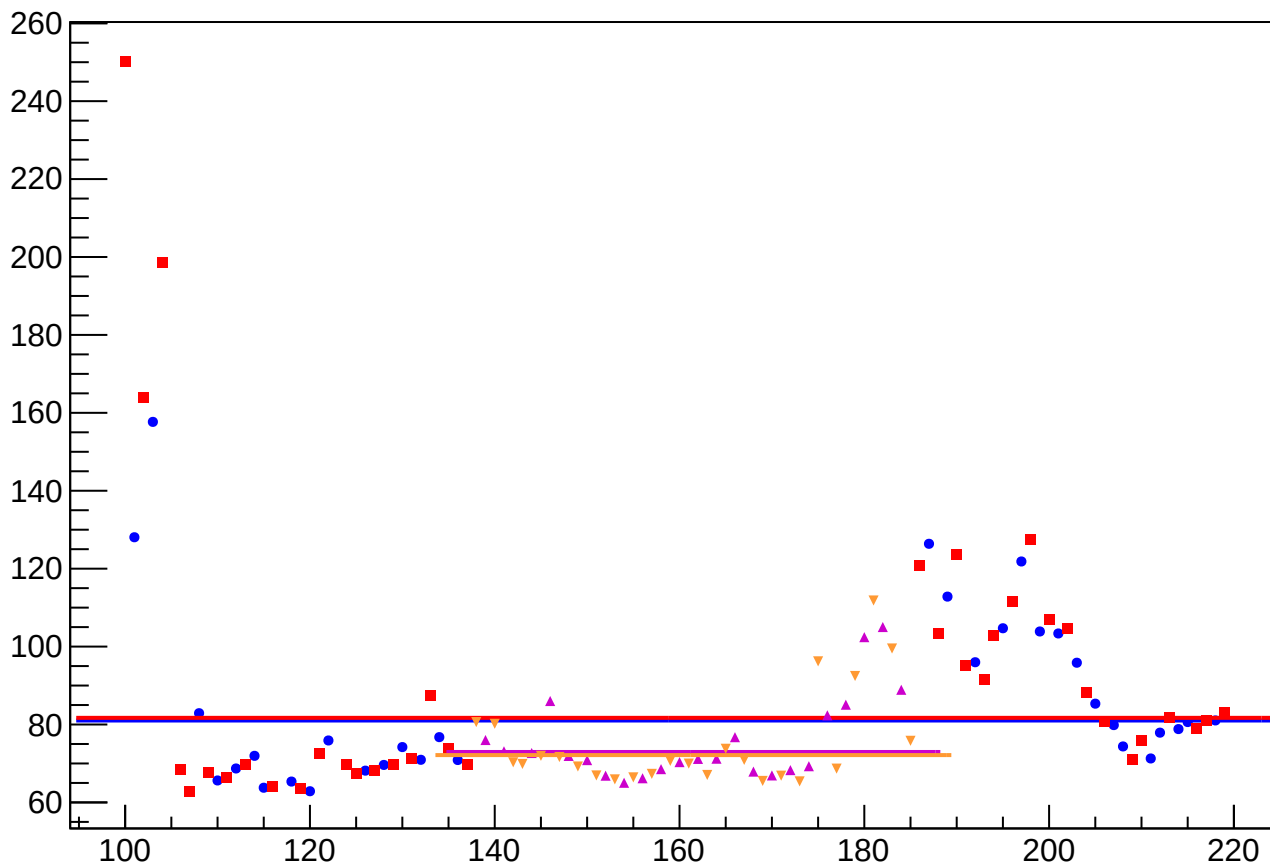
Left In: -103.363 ± 17.260 $\chi^2/\text{NDF}: 32.7/22$

+ sign 21.262 ± 12.353 $\chi^2/\text{NDF}: 90.1/56$

All: -2.388 ± 8.789 $\chi^2/\text{NDF}: 239.4/116$

- sign -26.627 ± 12.506 $\chi^2/\text{NDF}: 141.9/59$

eigen_dit_asym_sam7_rms vs Slug



Right In: 81.027+/-0.013 χ^2/NDF : 1505412.4/31

Left Out: 72.150+/-0.012 χ^2/NDF : 641967.4/24

Right Out: 81.711+/-0.013 χ^2/NDF : 2129312.6/36

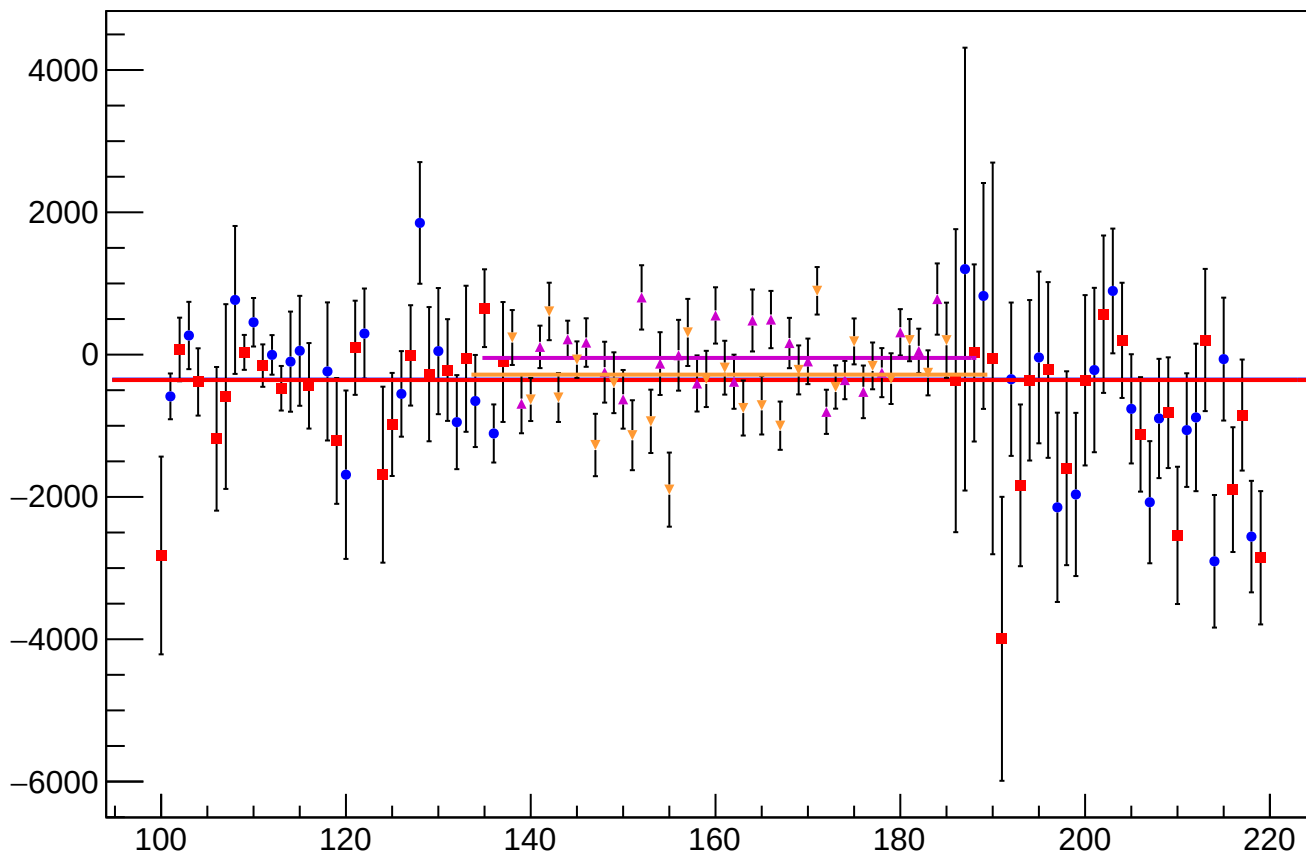
Left In: 72.948+/-0.012 χ^2/NDF : 509028.7/22

+ sign 76.126+/-0.009 χ^2/NDF : 2402784.5/56

All: 76.612+/-0.006 χ^2/NDF : 5292245.4/116

- sign 77.111+/-0.009 χ^2/NDF : 2883181.3/59

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -351.020 ± 113.854 χ^2/NDF : 52.8/31

Left Out: -281.205 ± 72.538 χ^2/NDF : 56.8/24

Right Out: -357.430 ± 108.017 χ^2/NDF : 39.5/36

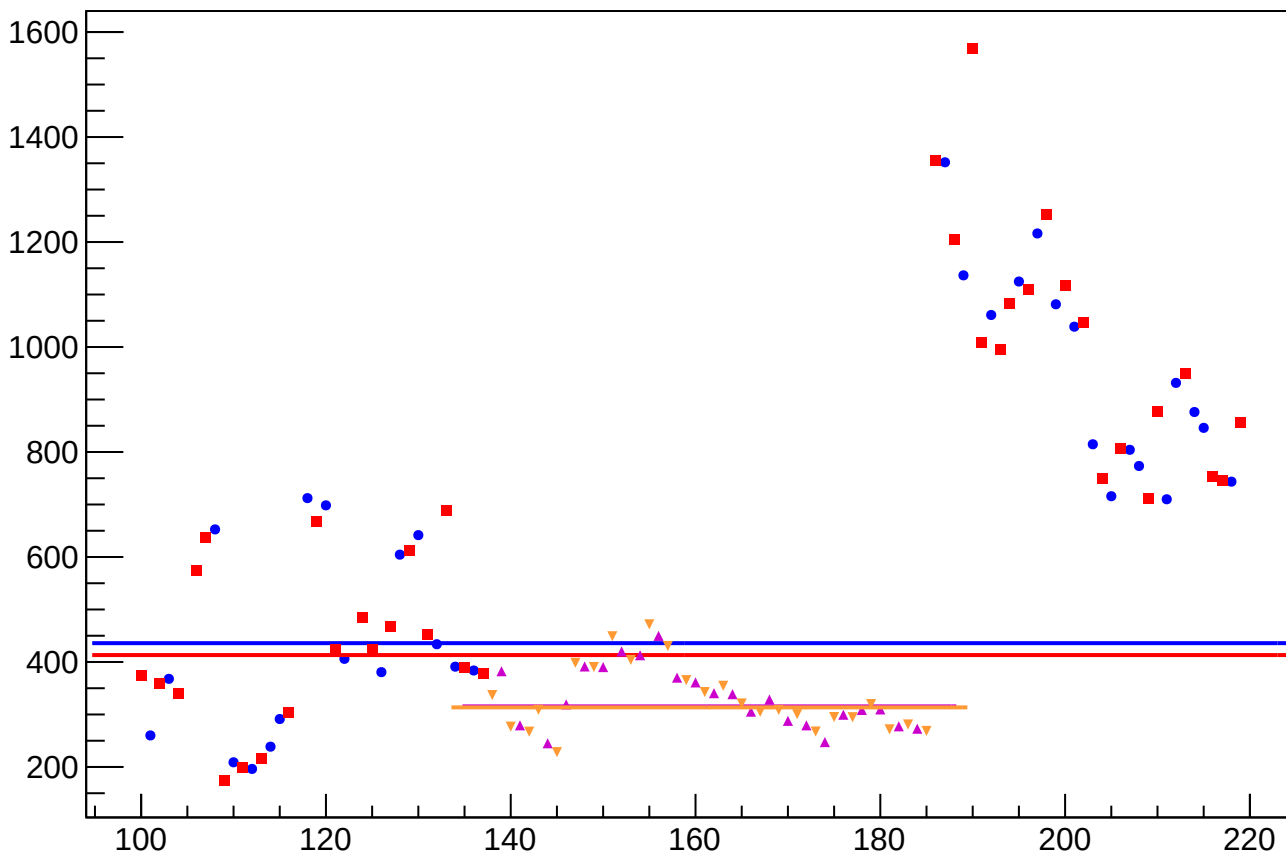
Left In: -46.569 ± 74.897 χ^2/NDF : 30.7/22

+ sign -301.362 ± 61.176 χ^2/NDF : 109.8/56

All: -224.897 ± 43.389 χ^2/NDF : 188.8/116

- sign -147.499 ± 61.549 χ^2/NDF : 75.8/59

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 435.876+/-0.081 χ^2/NDF : 10817003.5/31

Left Out: 313.500+/-0.051 χ^2/NDF : 1175534.8/24

Right Out: 413.177+/-0.076 χ^2/NDF : 13387486.1/36

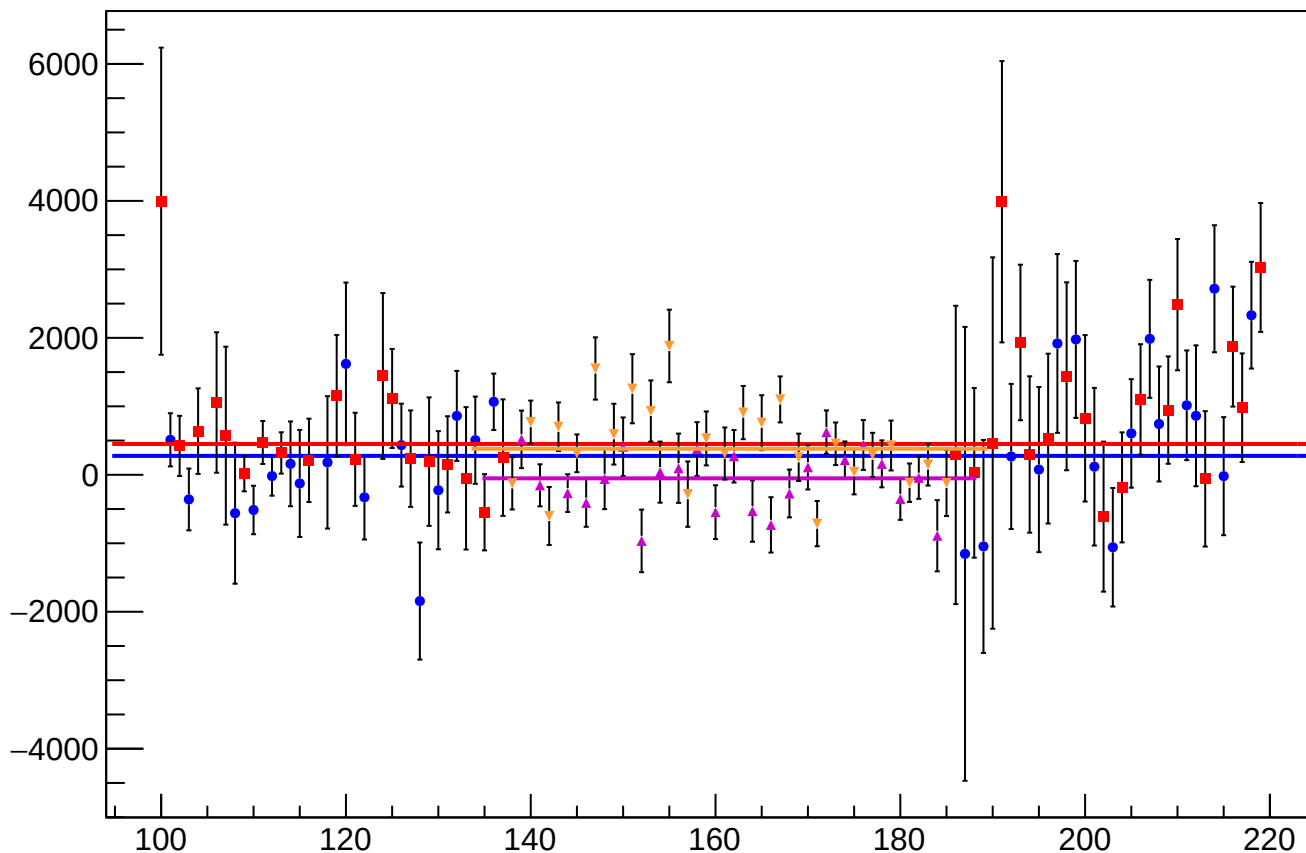
Left In: 315.456+/-0.053 χ^2/NDF : 1008521.8/22

+ sign 348.832+/-0.043 χ^2/NDF : 13636022.5/56

All: 348.013+/-0.031 χ^2/NDF : 29138186.6/11

- sign 347.184+/-0.044 χ^2/NDF : 15501442.2/59

asym_sam7_mean vs Slug



Right In: 276.389 ± 116.253 χ^2/NDF : 49.5/31

Left Out: 380.624 ± 73.057 χ^2/NDF : 55.4/24

Right Out: 450.161 ± 110.810 χ^2/NDF : 35.6/36

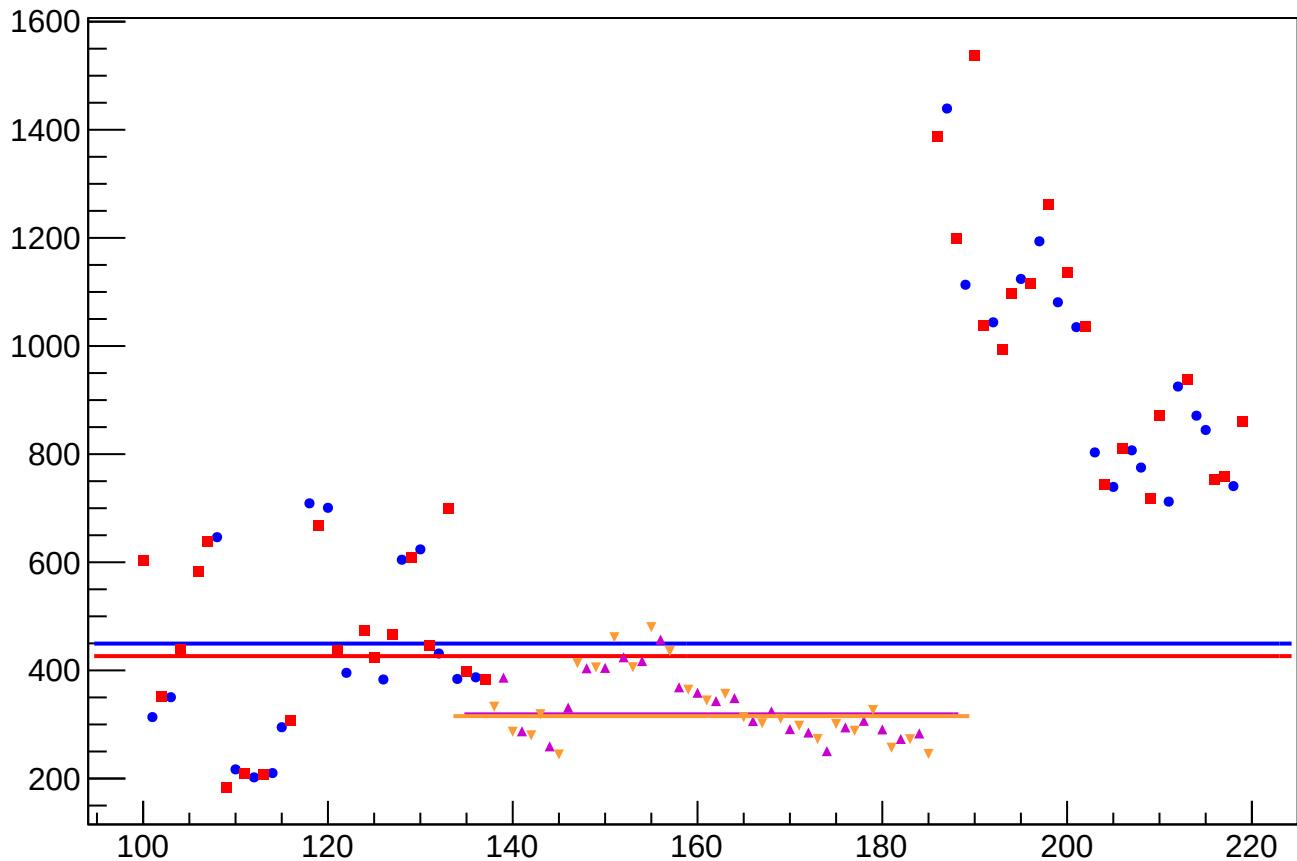
Left In: -51.474 ± 75.629 χ^2/NDF : 28.2/22

+ sign 351.114 ± 61.856 χ^2/NDF : 105.5/56

All: 230.721 ± 43.953 χ^2/NDF : 190.9/116

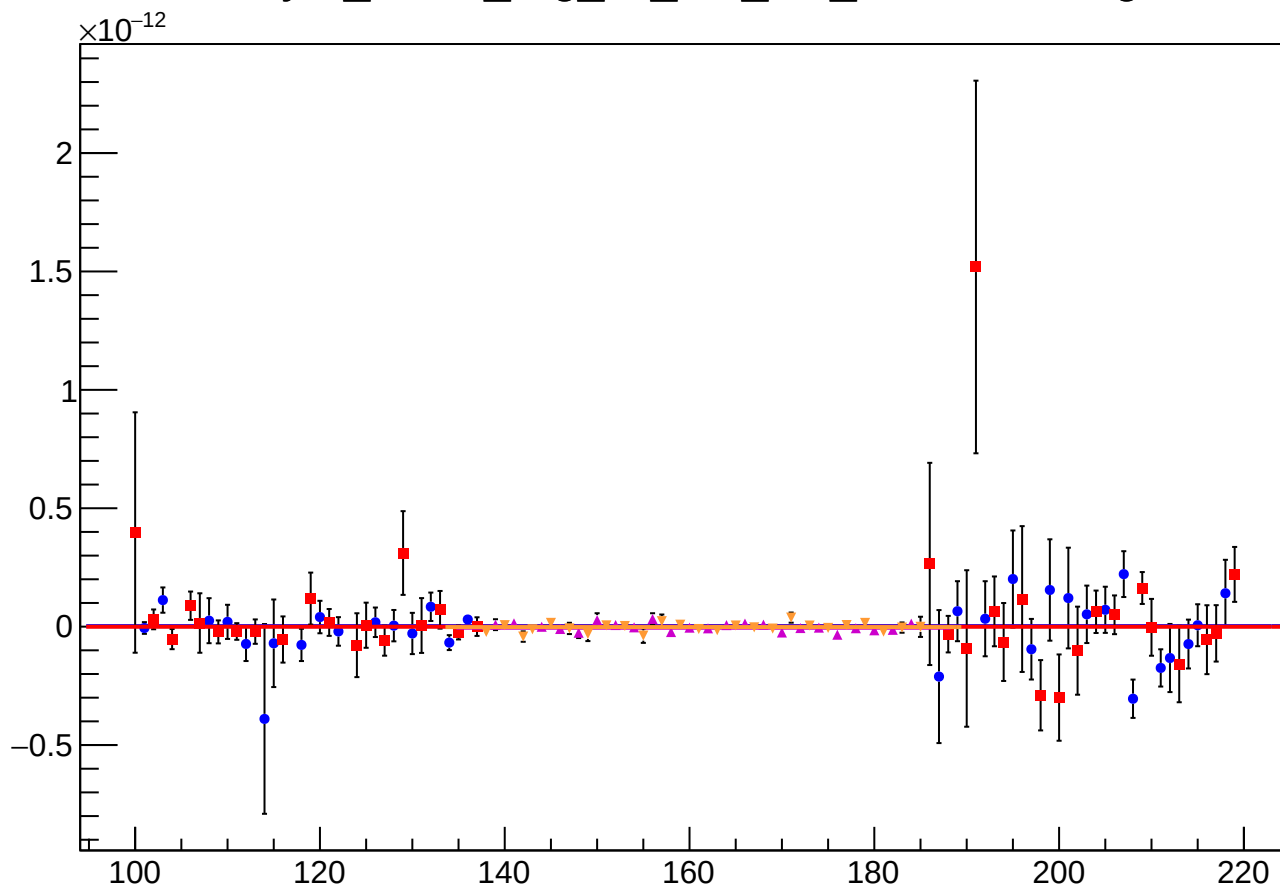
- sign 107.940 ± 62.467 χ^2/NDF : 77.8/59

asym_sam7_rms vs Slug



Right In: 449.595 ± 0.082 $\chi^2/\text{NDF}: 10214700.1/31$ + sign 353.389 ± 0.044 $\chi^2/\text{NDF}: 13335420.5/56$
 Left Out: 315.396 ± 0.052 $\chi^2/\text{NDF}: 1210106.0/24$ All: 353.158 ± 0.031 $\chi^2/\text{NDF}: 28623728.6/11$
 Right Out: 426.417 ± 0.078 $\chi^2/\text{NDF}: 13007069.0/36$ - sign 352.923 ± 0.044 $\chi^2/\text{NDF}: 15288251.9/59$
 Left In: 318.688 ± 0.053 $\chi^2/\text{NDF}: 991604.7/22$

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 48.7/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.2/36

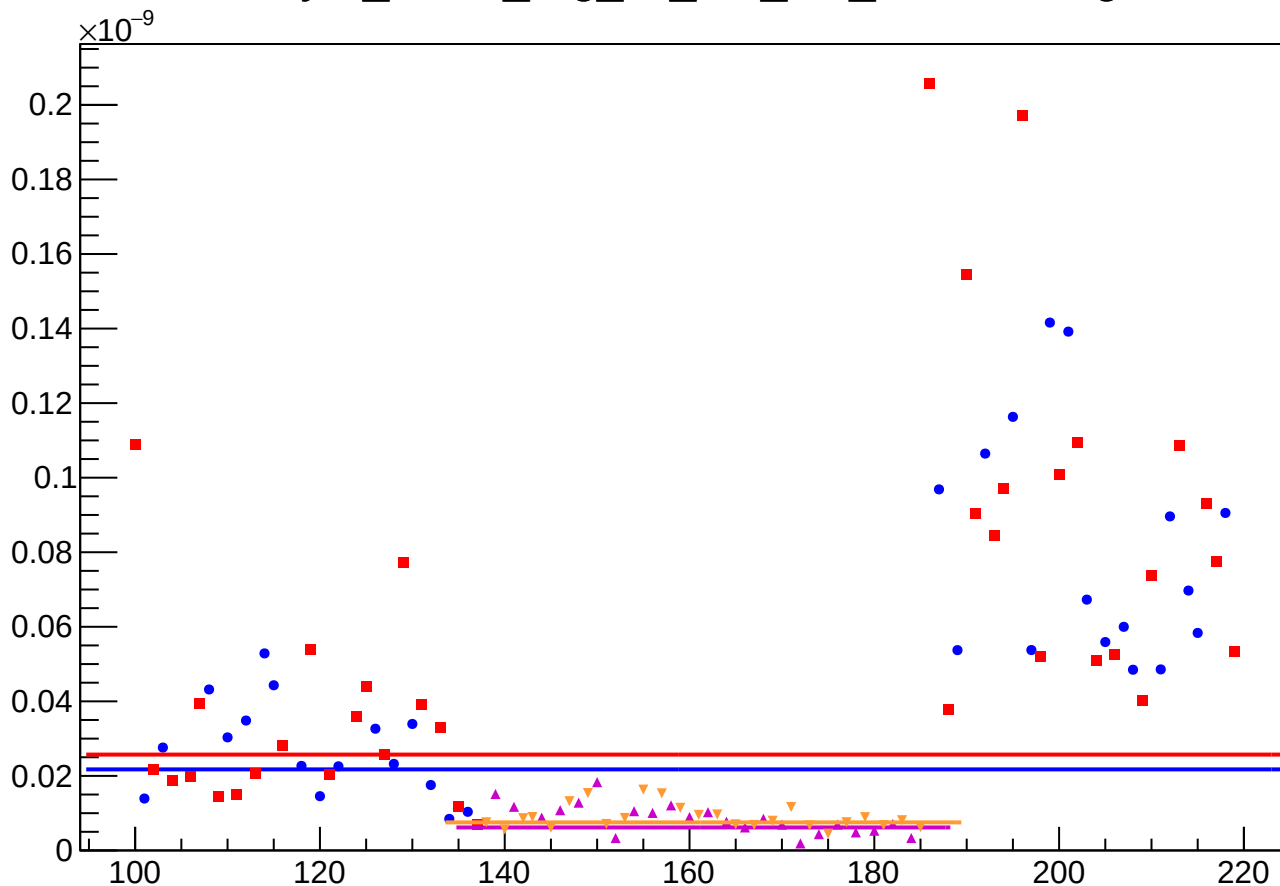
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 67.8/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 122.2/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 53.9/59

asym_sam7_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 7397861.0/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1208953.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6926409.0/36

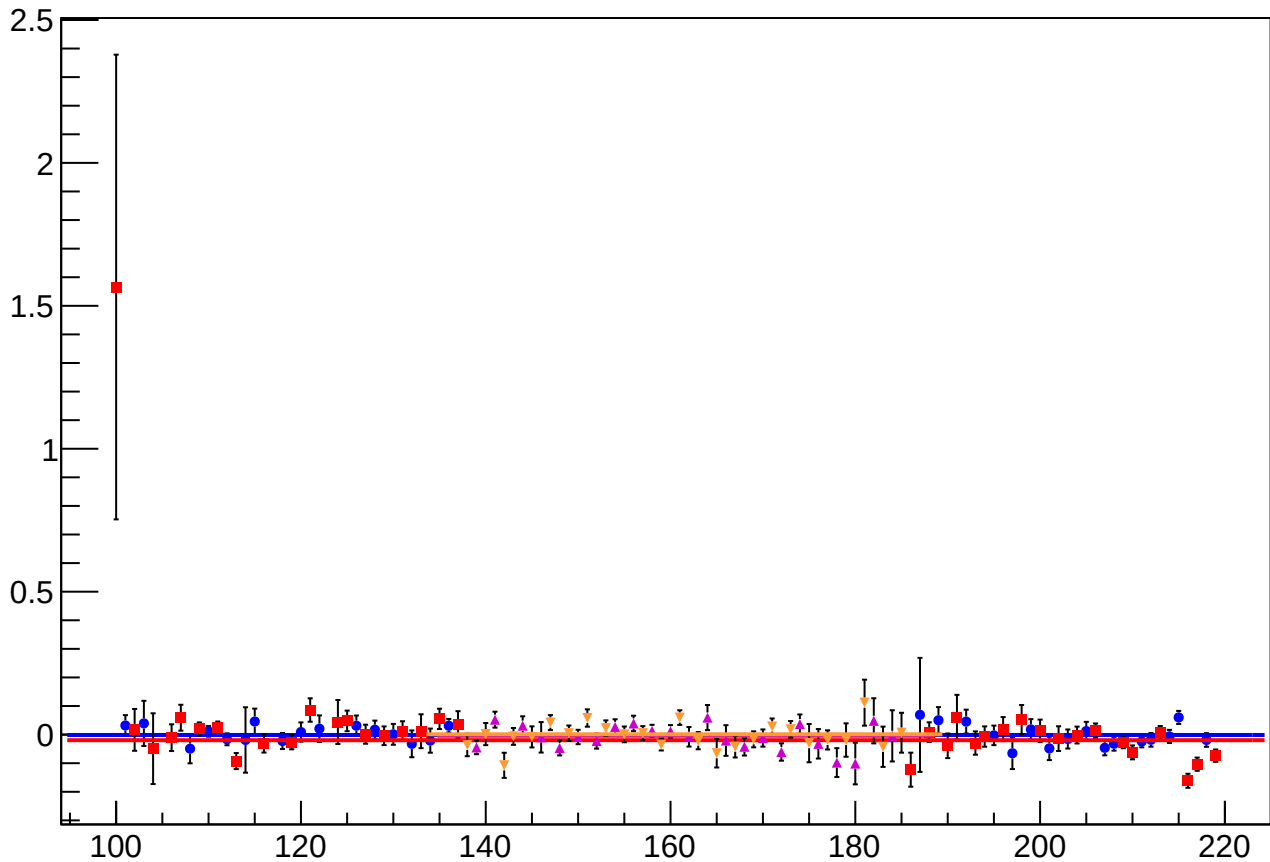
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2784673.9/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 12098282.7/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 27231788.8/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 14906051.8/59

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.005 χ^2/NDF : 28.7/31

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: -0.020 ± 0.005 χ^2/NDF : 108.6/36

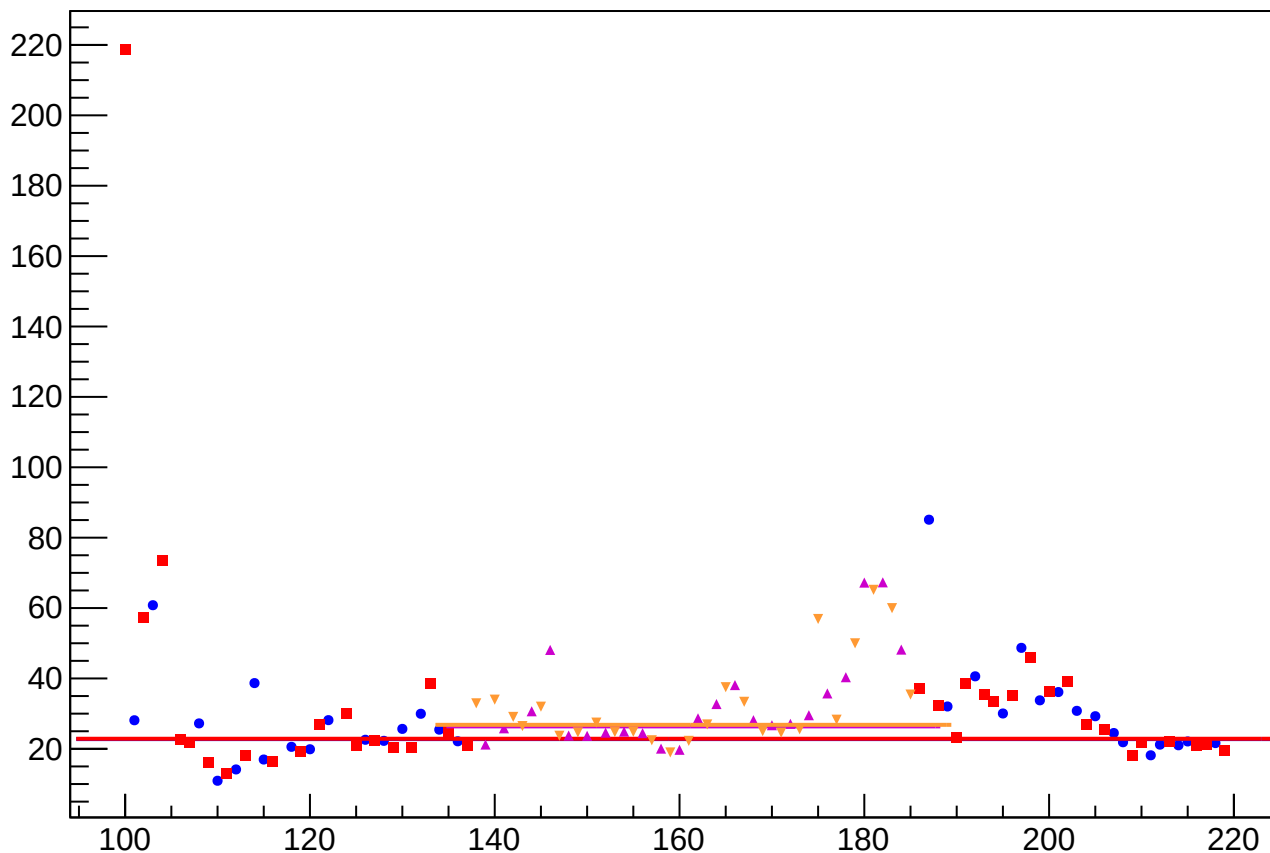
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign -0.000 ± 0.004 χ^2/NDF : 59.0/56

All: -0.007 ± 0.003 χ^2/NDF : 207.1/116

- sign -0.013 ± 0.004 χ^2/NDF : 143.1/59

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 22.770 $\pm$ 0.004 χ^2 /NDF: 3780627.0/31

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469807.6/24

Right Out: 22.864 $\pm$ 0.004 χ^2 /NDF: 4037630.5/36

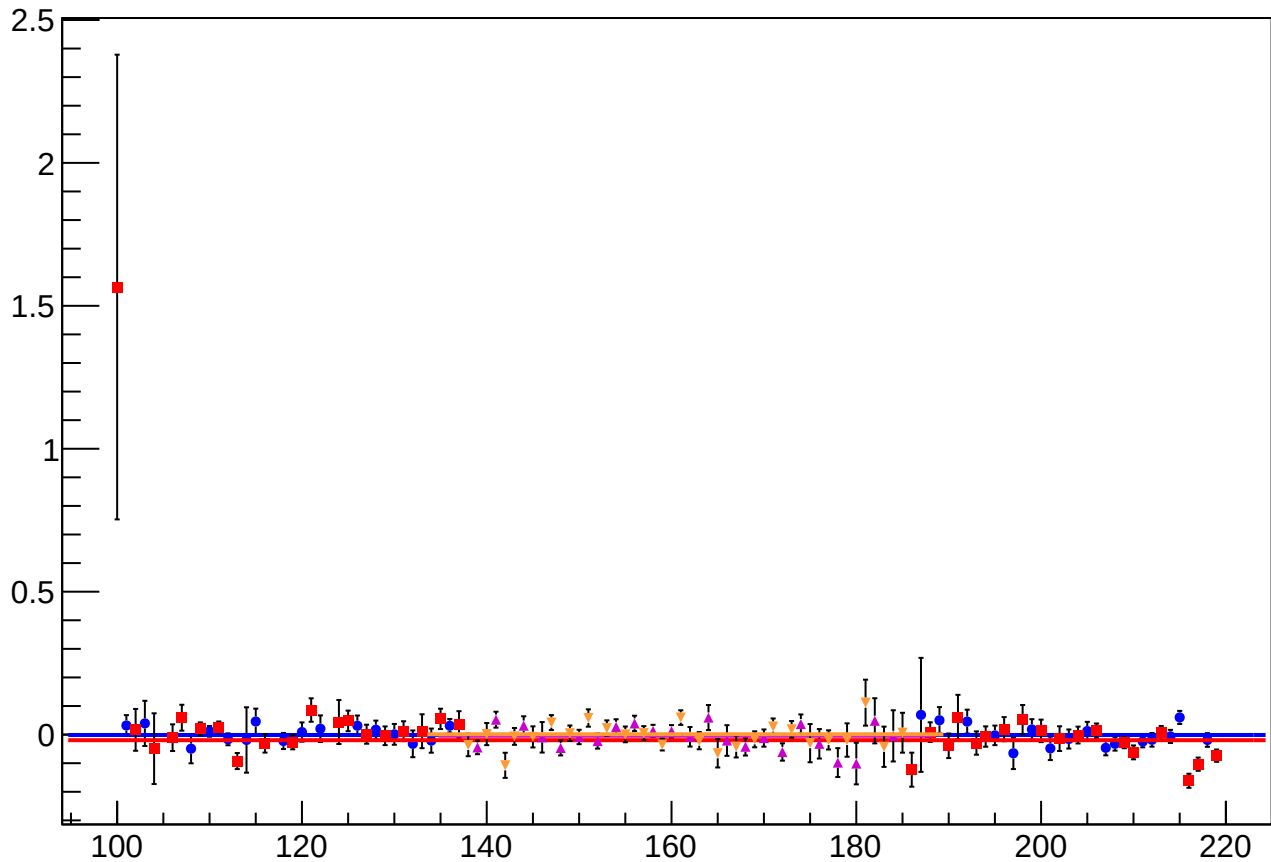
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566400.7/22

+ sign 24.452 $\pm$ 0.003 χ^2 /NDF: 6705248.7/56

All: 24.353 $\pm$ 0.002 χ^2 /NDF: 13653130.9/116

- sign 24.256 $\pm$ 0.003 χ^2 /NDF: 6945658.8/59

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.005 χ^2/NDF : 28.7/31

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: -0.020 ± 0.005 χ^2/NDF : 108.6/36

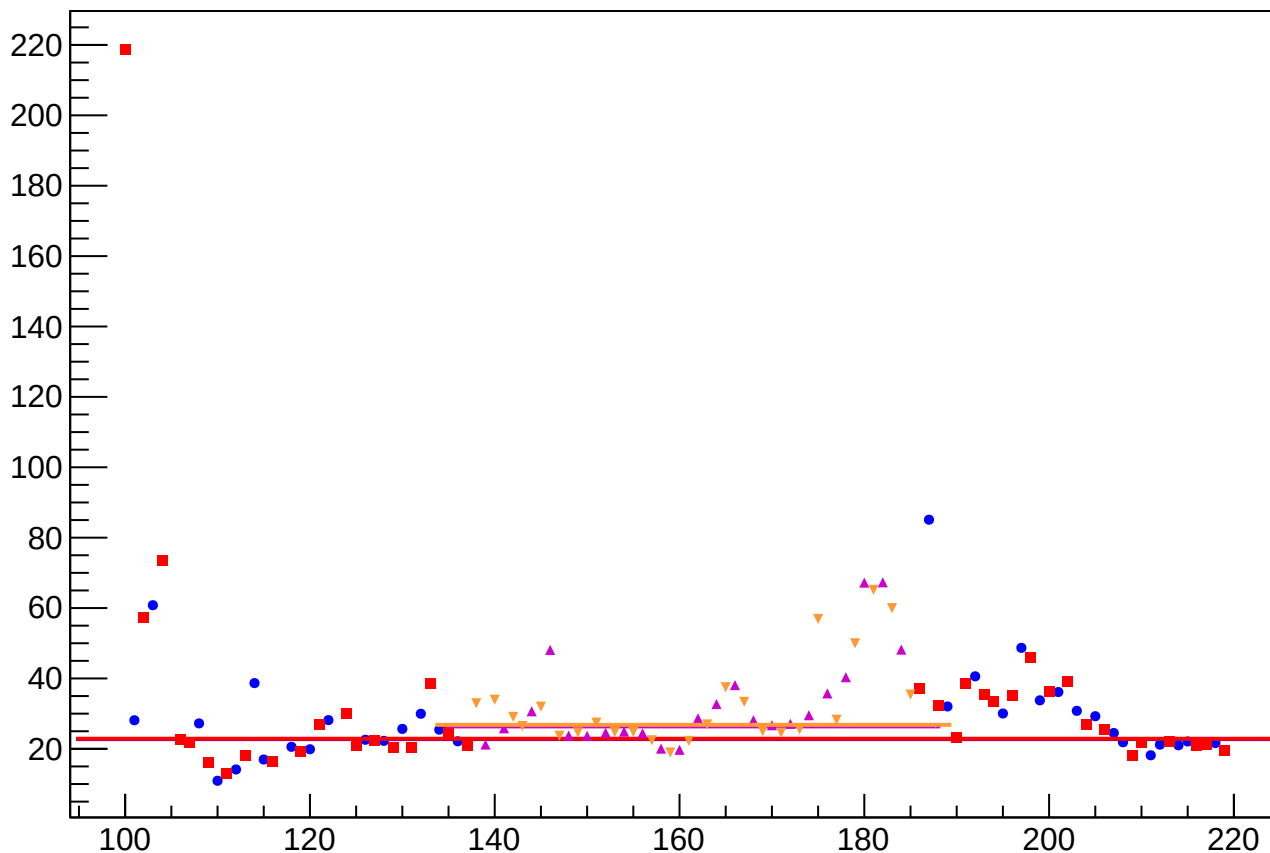
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign -0.000 ± 0.004 χ^2/NDF : 59.0/56

All: -0.007 ± 0.003 χ^2/NDF : 207.1/116

- sign -0.013 ± 0.004 χ^2/NDF : 143.1/59

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.770 $\pm$ 0.004 χ^2 /NDF: 3780627.0/31

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469807.6/24

Right Out: 22.864 $\pm$ 0.004 χ^2 /NDF: 4037630.5/36

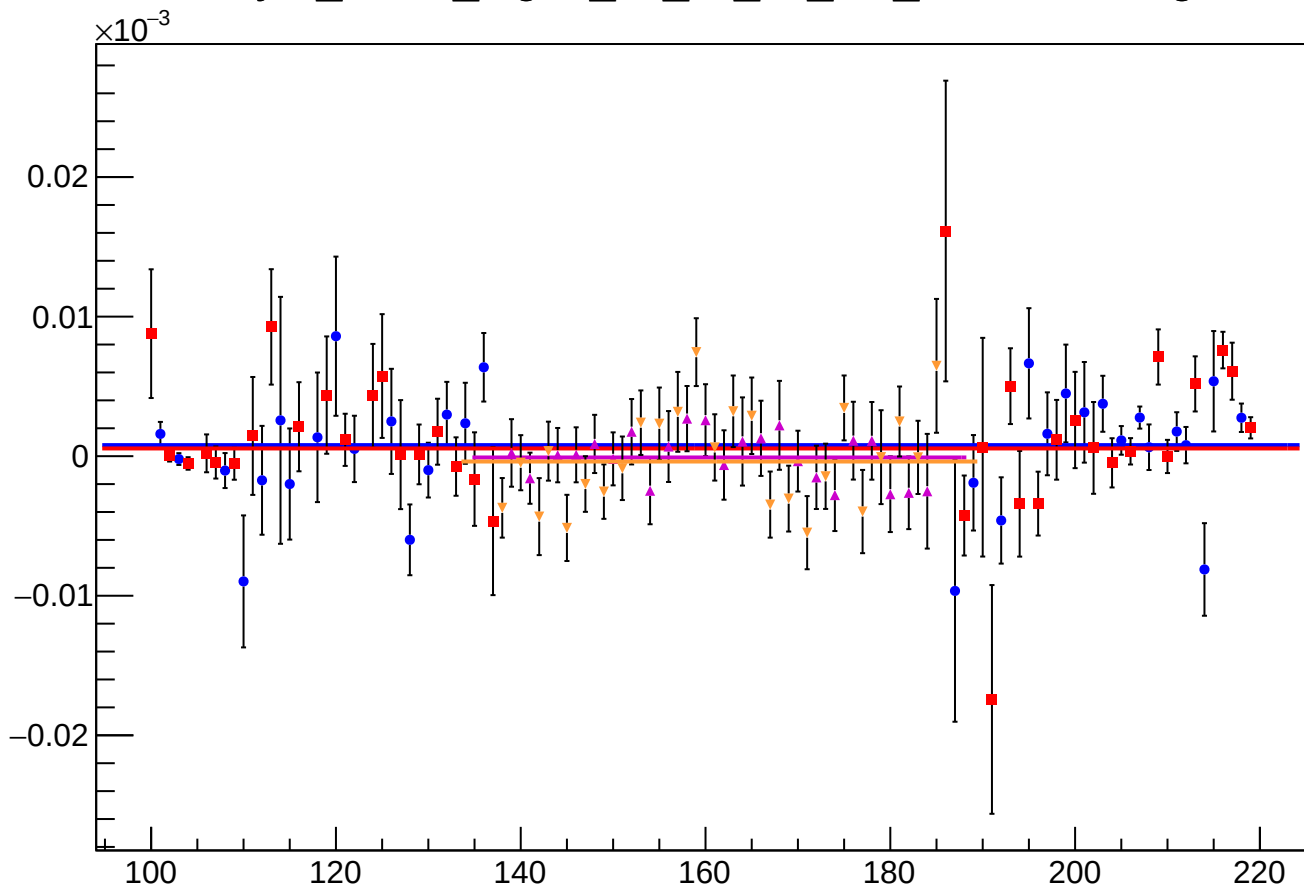
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566400.7/22

+ sign 24.452 $\pm$ 0.003 χ^2 /NDF: 6705248.7/56

All: 24.353 $\pm$ 0.002 χ^2 /NDF: 13653130.9/116

- sign 24.256 $\pm$ 0.003 χ^2 /NDF: 6945658.8/59

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 60.5/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 43.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 96.7/36

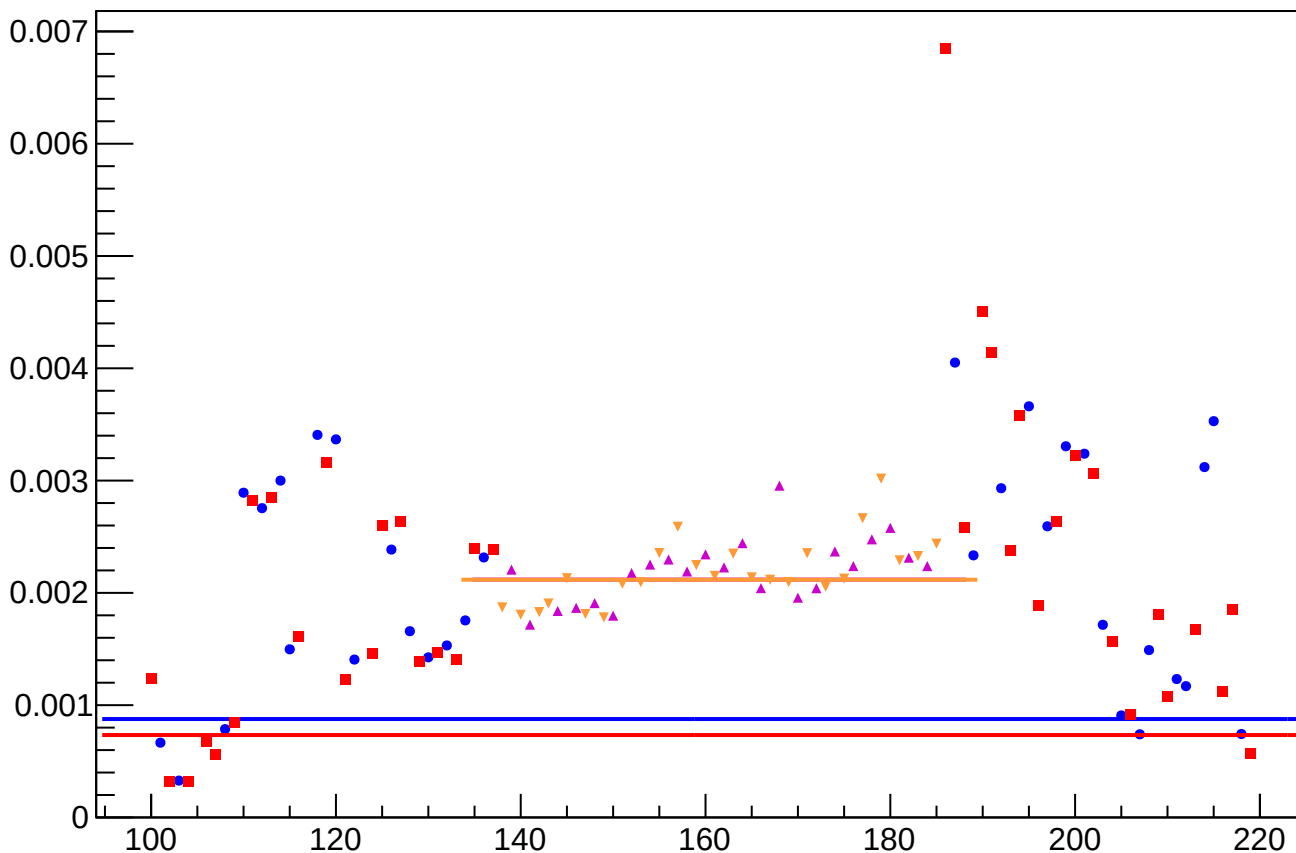
Left In: -0.000 ± 0.000 χ^2/NDF : 10.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 108.2/56

All: 0.000 ± 0.000 χ^2/NDF : 216.5/116

- sign 0.000 ± 0.000 χ^2/NDF : 108.2/59

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 ± 0.000 χ^2/NDF : 15188923.8/31

Left Out: 0.002 ± 0.000 χ^2/NDF : 578720.8/24

Right Out: 0.001 ± 0.000 χ^2/NDF : 18186602.8/36

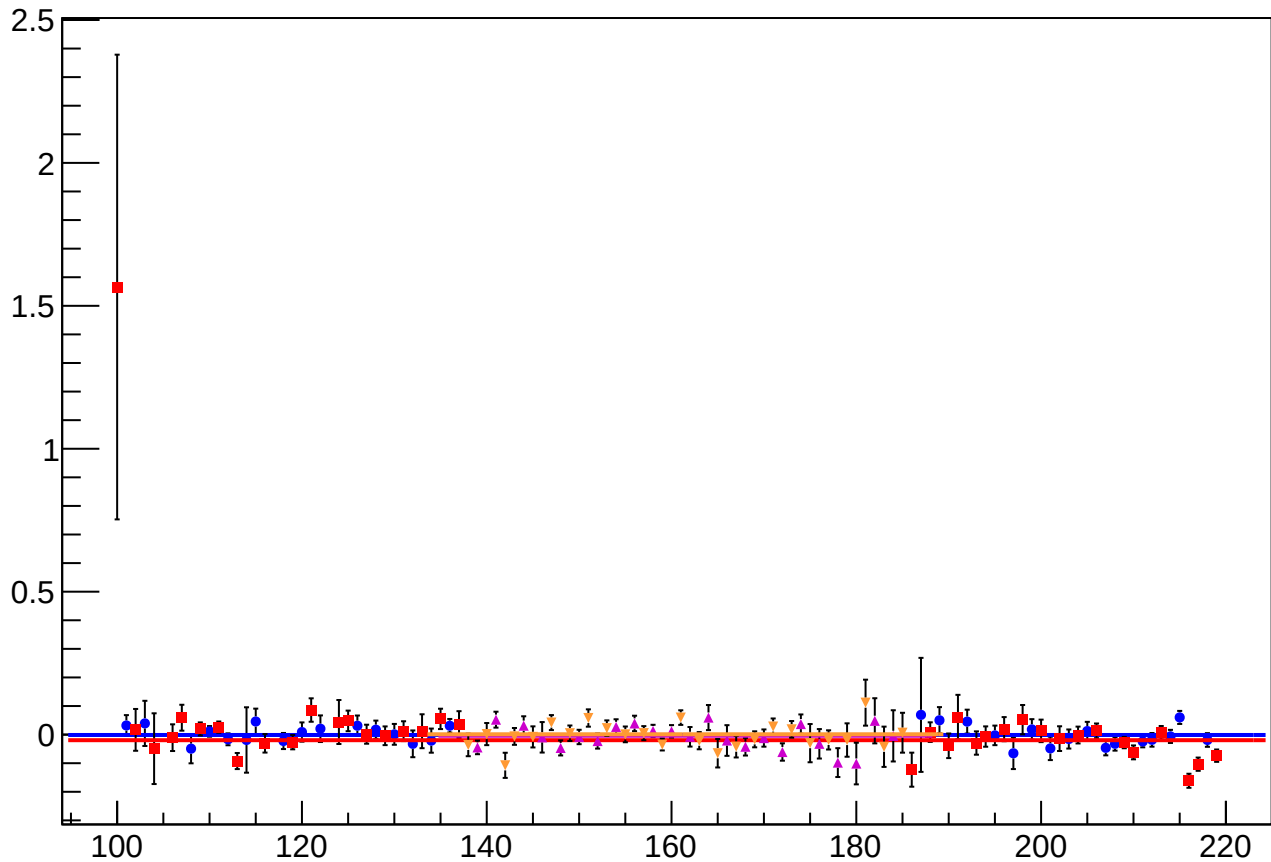
Left In: 0.002 ± 0.000 χ^2/NDF : 588580.3/22

+ sign 0.001 ± 0.000 χ^2/NDF : 25913160.3/56

All: 0.001 ± 0.000 χ^2/NDF : 58343097.5/116

- sign 0.001 ± 0.000 χ^2/NDF : 31623908.5/59

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.005 χ^2/NDF : 28.7/31

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: -0.020 ± 0.005 χ^2/NDF : 108.6/36

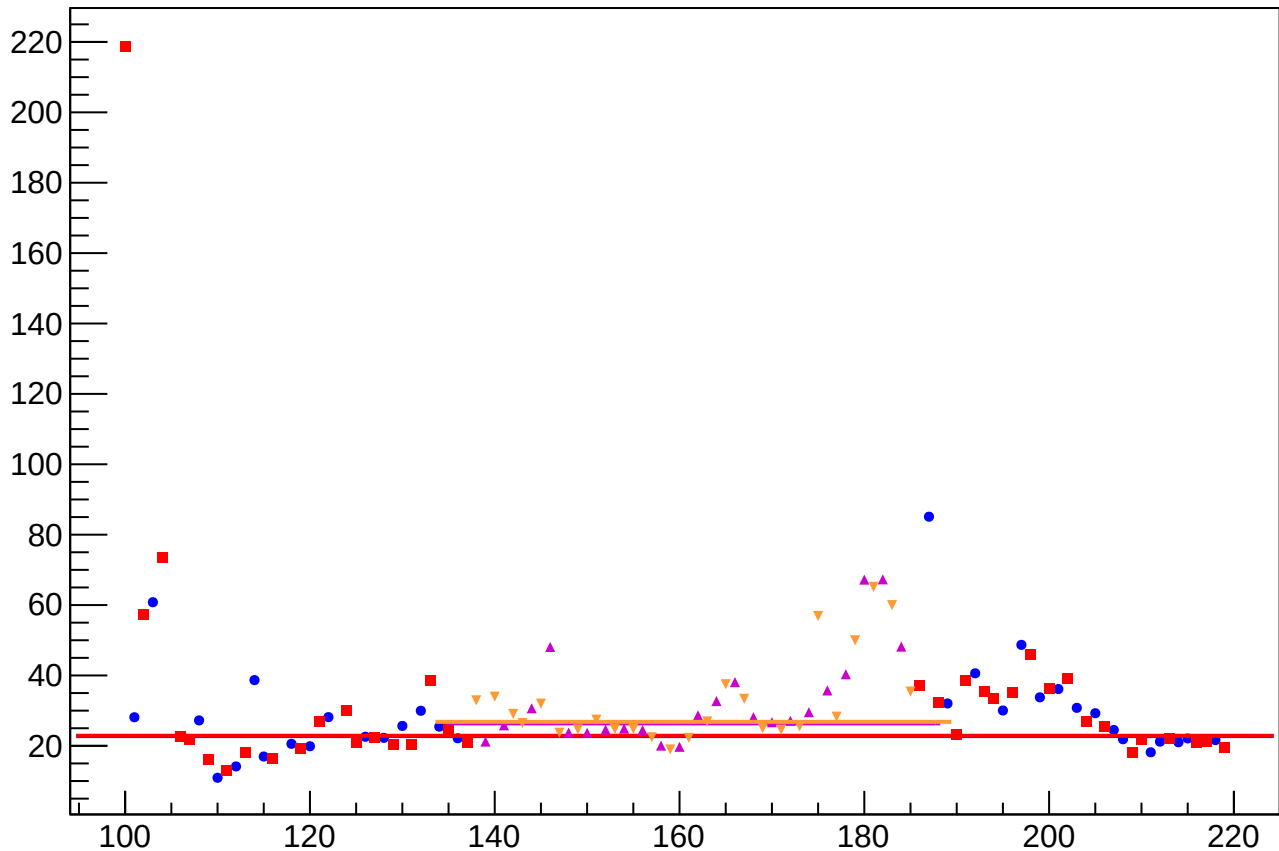
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign -0.000 ± 0.004 χ^2/NDF : 59.0/56

All: -0.007 ± 0.003 χ^2/NDF : 207.1/116

- sign -0.013 ± 0.004 χ^2/NDF : 143.1/59

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.770 $\pm$ 0.004 χ^2 /NDF: 3780355.7/31

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469855.0/24

Right Out: 22.864 $\pm$ 0.004 χ^2 /NDF: 4037450.7/36

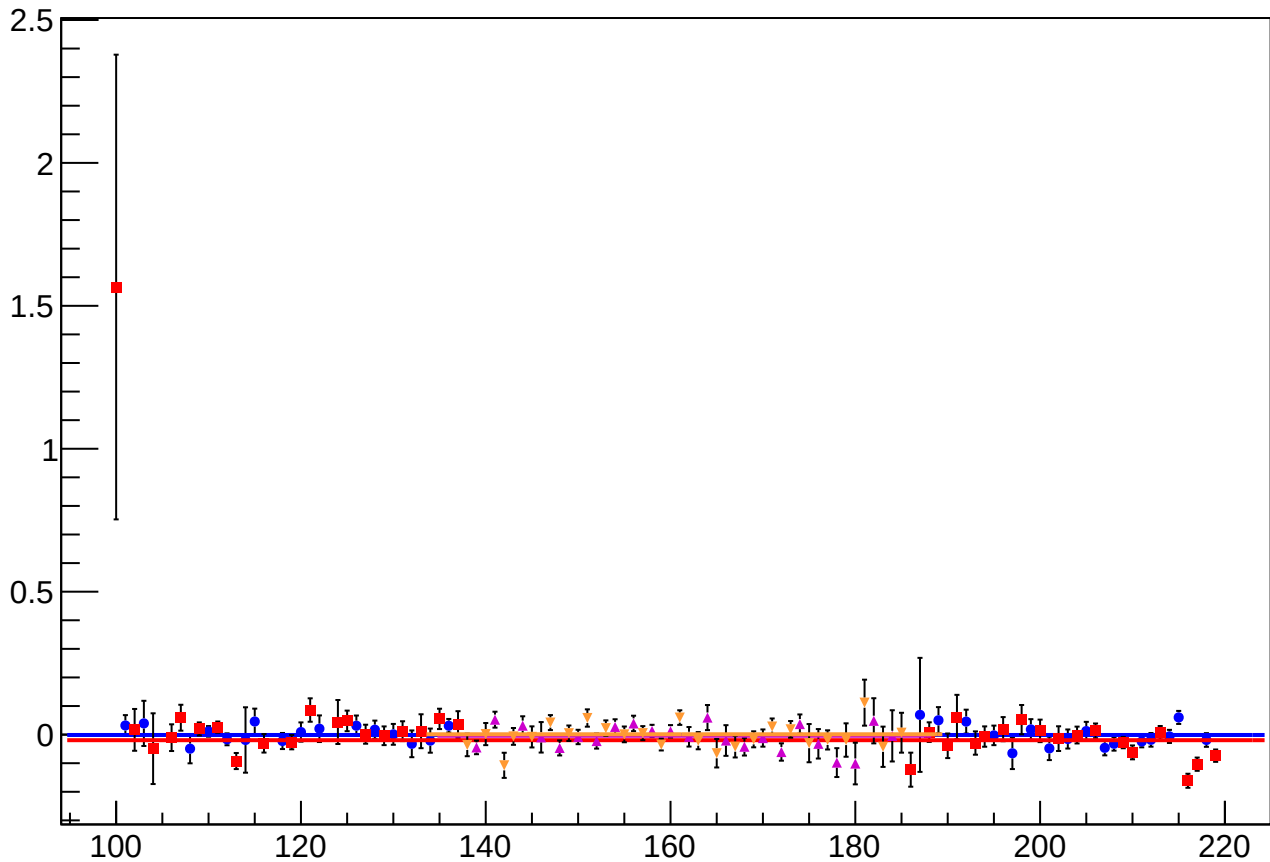
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566477.5/22

+ sign 24.453 $\pm$ 0.003 χ^2 /NDF: 6704925.3/56

All: 24.353 $\pm$ 0.002 χ^2 /NDF: 13652708.0/116

- sign 24.256 $\pm$ 0.003 χ^2 /NDF: 6945552.6/59

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.005 χ^2/NDF : 28.7/31

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: -0.020 ± 0.005 χ^2/NDF : 108.6/36

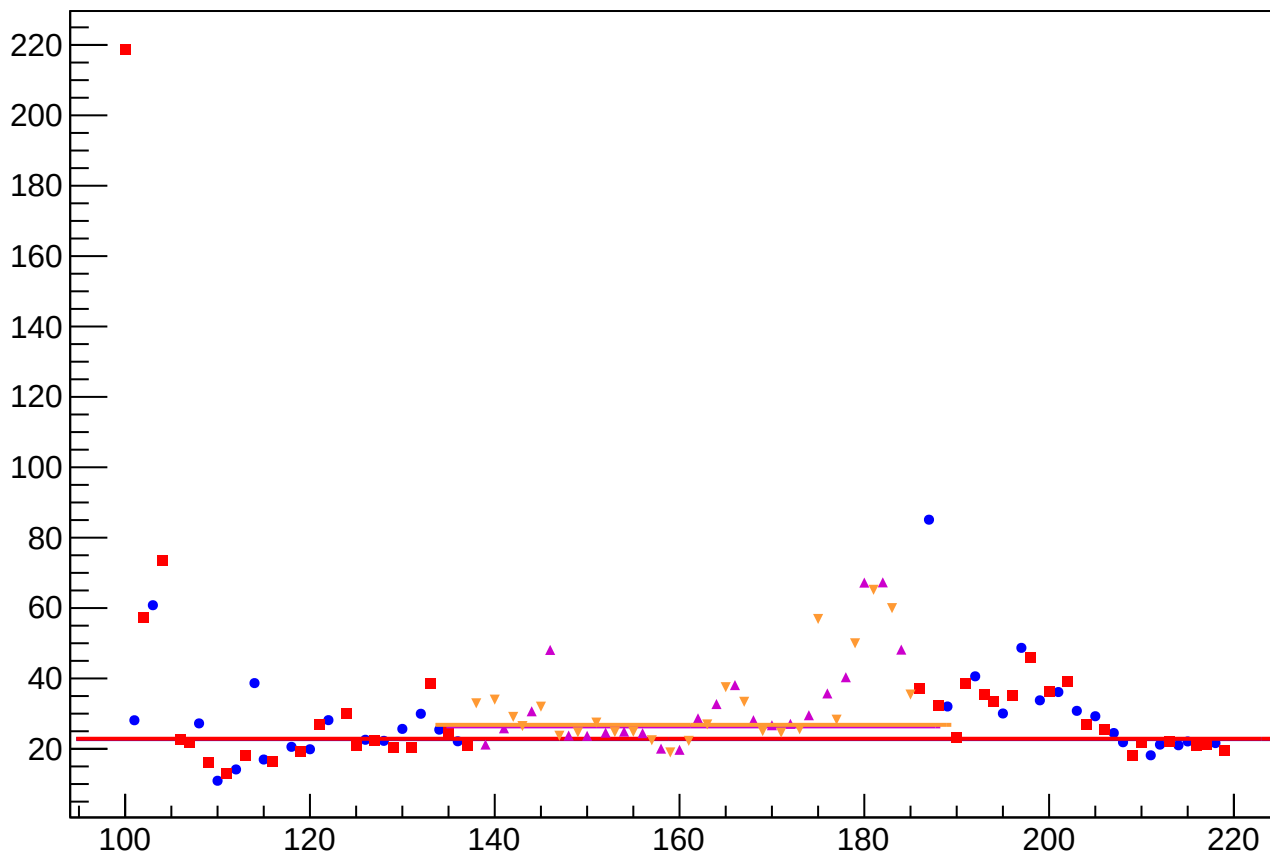
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign -0.000 ± 0.004 χ^2/NDF : 59.0/56

All: -0.007 ± 0.003 χ^2/NDF : 207.1/116

- sign -0.013 ± 0.004 χ^2/NDF : 143.1/59

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.770 $\pm$ 0.004 χ^2 /NDF: 3780355.7/31

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469855.0/24

Right Out: 22.864 $\pm$ 0.004 χ^2 /NDF: 4037450.7/36

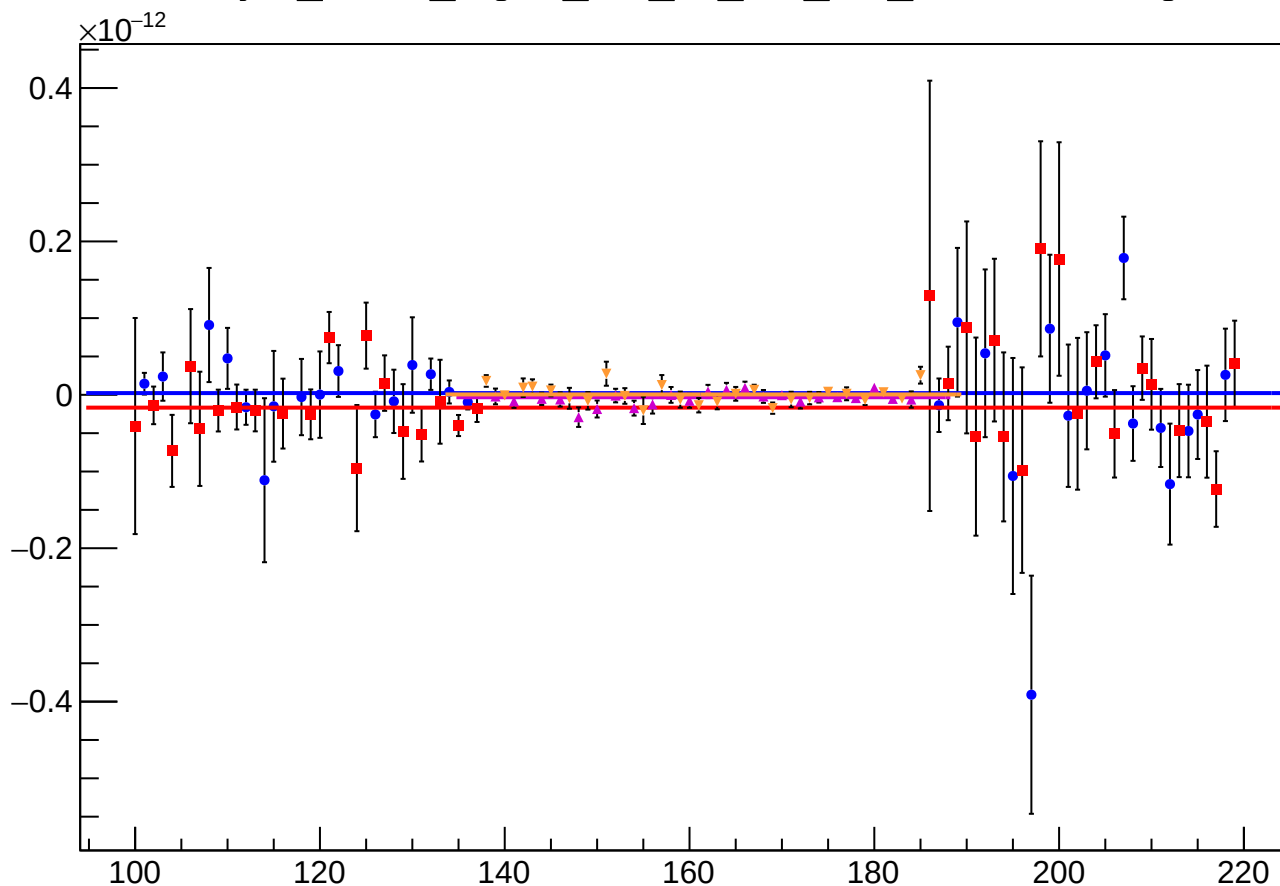
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566477.5/22

+ sign 24.453 $\pm$ 0.003 χ^2 /NDF: 6704925.3/56

All: 24.353 $\pm$ 0.002 χ^2 /NDF: 13652708.0/116

- sign 24.256 $\pm$ 0.003 χ^2 /NDF: 6945552.6/59

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 36.3/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 32.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 36.5/36

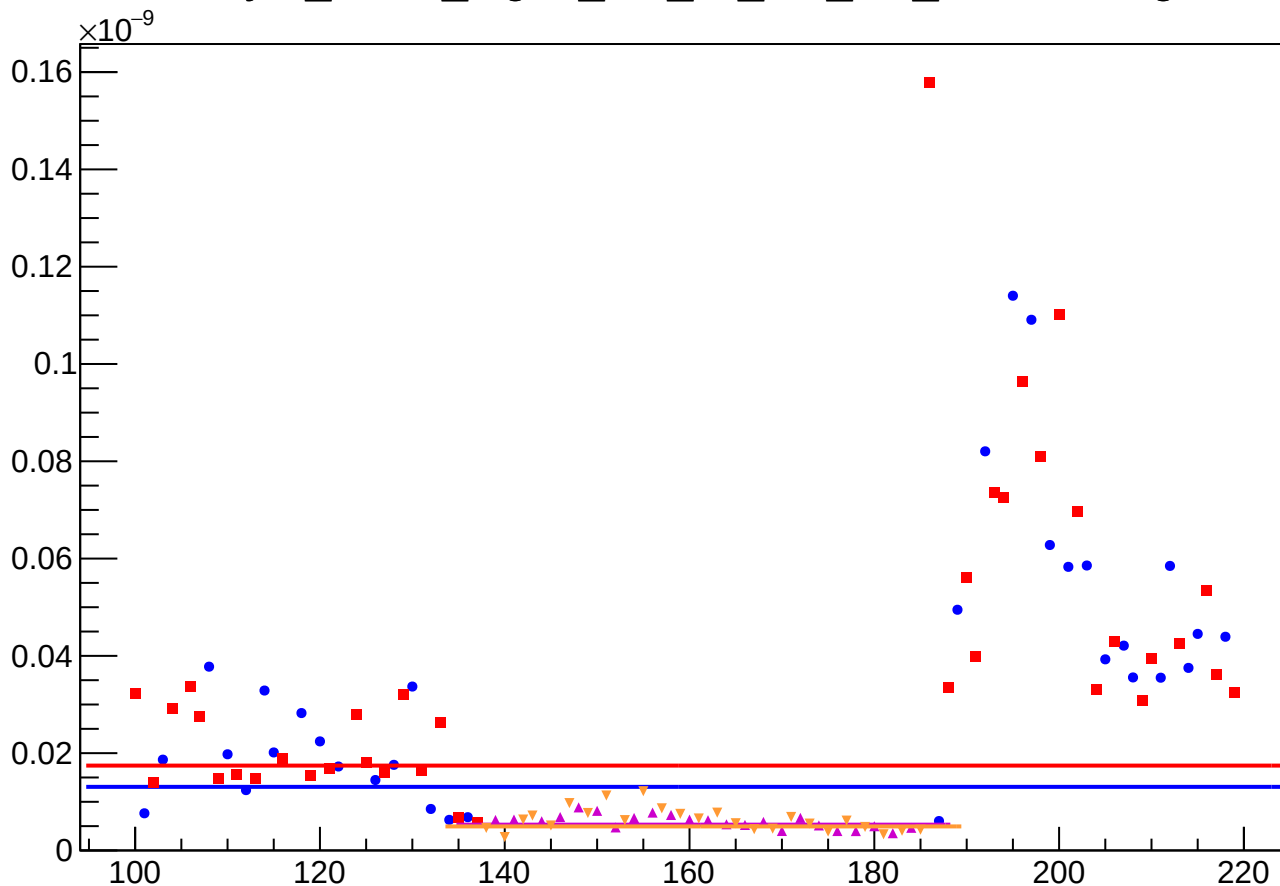
Left In: -0.000 ± 0.000 χ^2/NDF : 19.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 69.0/56

All: -0.000 ± 0.000 χ^2/NDF : 133.0/116

- sign -0.000 ± 0.000 χ^2/NDF : 59.7/59

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11103449.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9438686.9/36

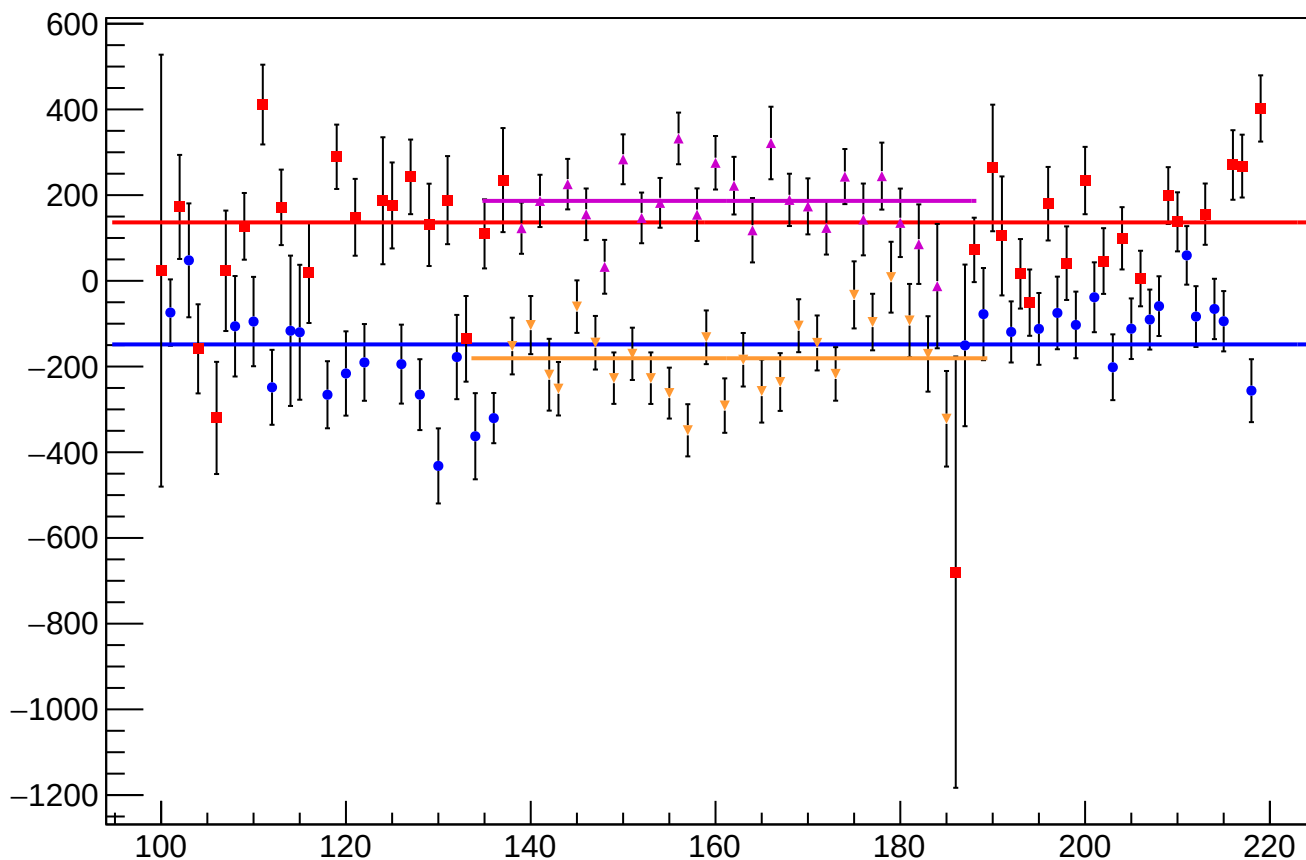
Left In: 0.000+/-0.000 χ^2/NDF : 1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 18074087.3/56

All: 0.000+/-0.000 χ^2/NDF : 35452811.7/116

- sign 0.000+/-0.000 χ^2/NDF : 17283755.8/59

reg_asym_sam8_mean vs Slug



Right In: -148.349 ± 14.806 χ^2/NDF : 54.8/31

Left Out: -180.685 ± 13.419 χ^2/NDF : 38.6/24

Right Out: 136.354 ± 14.702 χ^2/NDF : 84.9/36

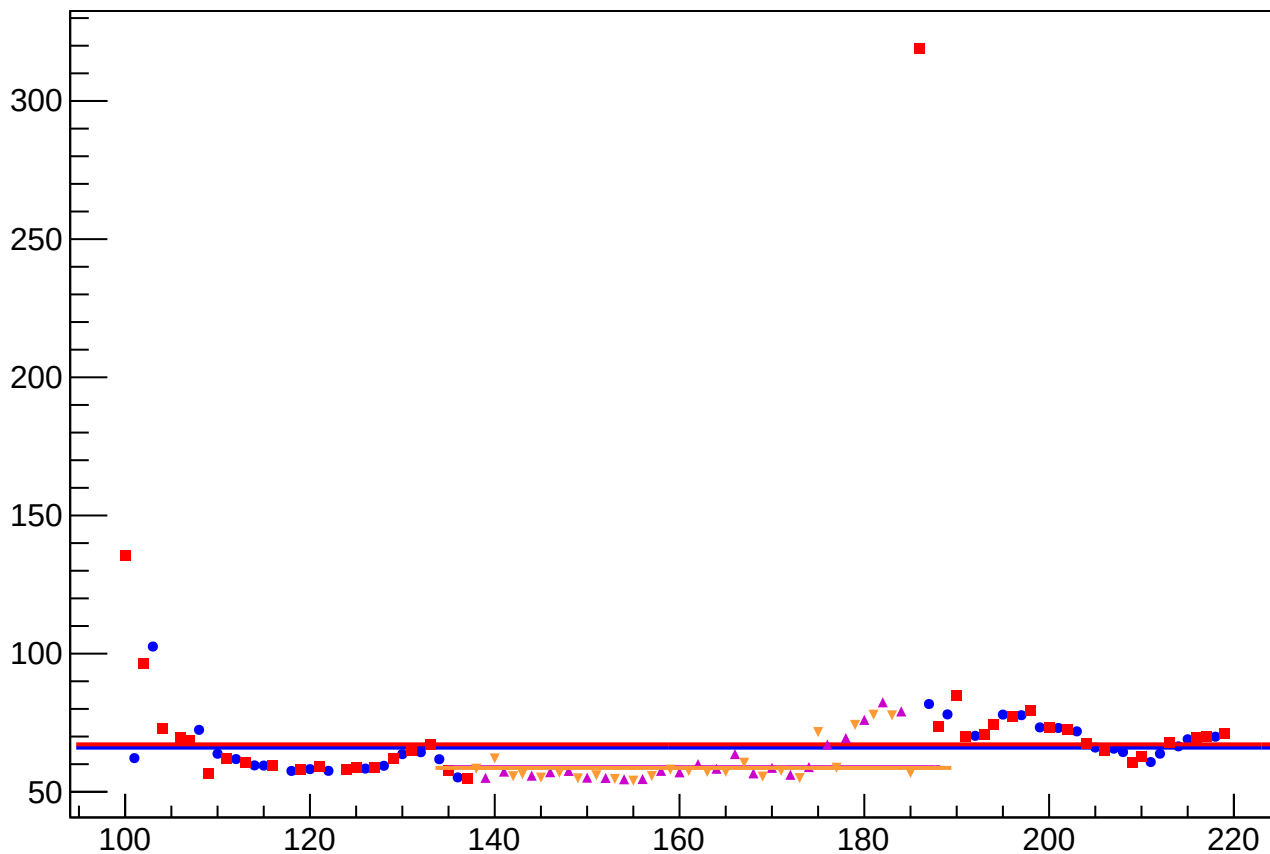
Left In: 186.567 ± 13.860 χ^2/NDF : 29.0/22

+ sign -166.102 ± 9.943 χ^2/NDF : 96.0/56

All: -3.920 ± 7.080 χ^2/NDF : 756.0/116

- sign 162.941 ± 10.085 χ^2/NDF : 120.1/59

reg_asym_sam8_rms vs Slug



Right In: 65.988 $\pm$ 0.010 χ^2 /NDF: 520753.2/31

Left Out: 58.644 $\pm$ 0.009 χ^2 /NDF: 393880.8/24

Right Out: 67.175 $\pm$ 0.010 χ^2 /NDF: 1058576.1/36

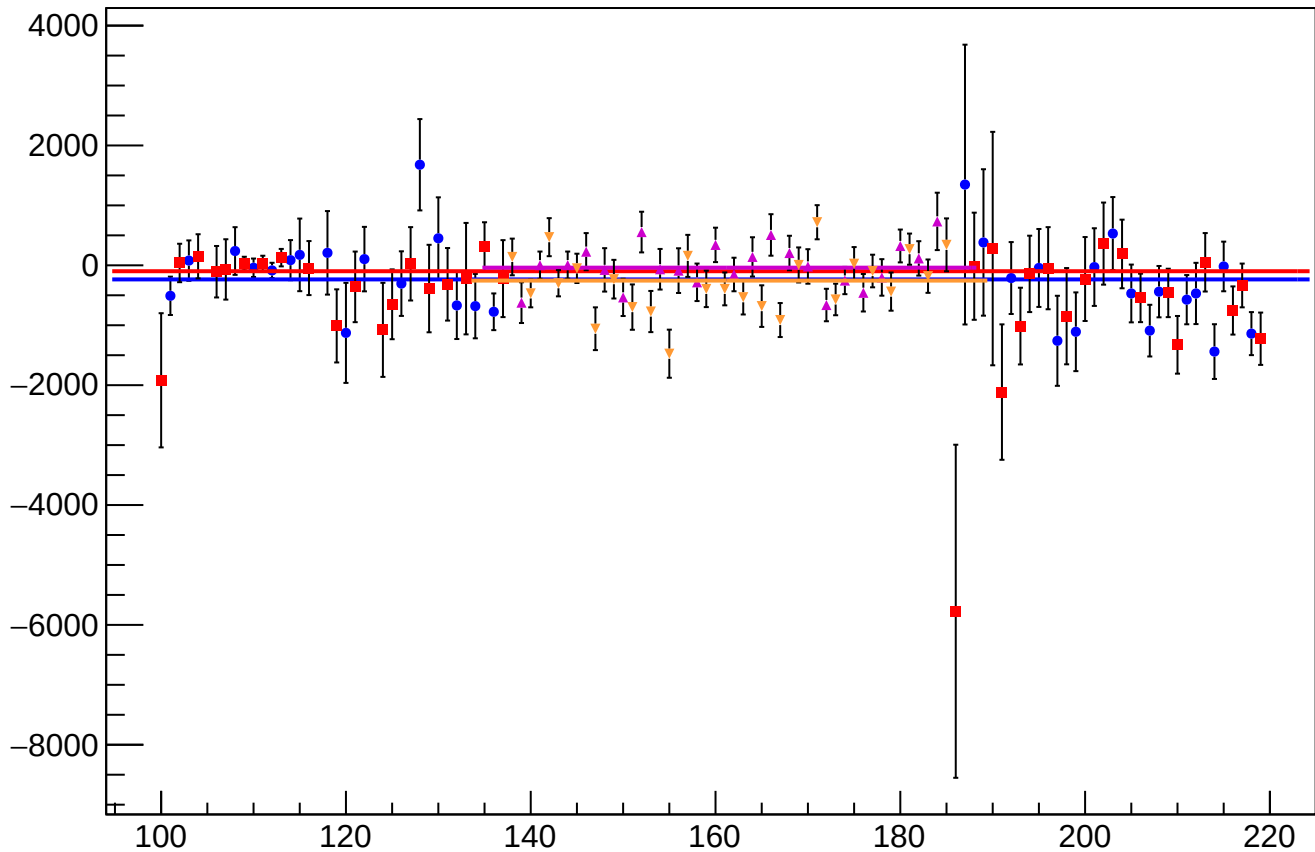
Left In: 58.906 $\pm$ 0.010 χ^2 /NDF: 386820.4/22

+ sign 61.956 $\pm$ 0.007 χ^2 /NDF: 1184794.0/56

All: 62.370 $\pm$ 0.005 χ^2 /NDF: 2972159.4/116

- sign 62.797 $\pm$ 0.007 χ^2 /NDF: 1780314.7/59

asym_sam8_reg_correction_mean vs Slug



Right In: -235.124 ± 65.852 χ^2/NDF : 46.0/31

Left Out: -254.628 ± 58.877 χ^2/NDF : 57.6/24

Right Out: -98.432 ± 57.488 χ^2/NDF : 43.7/36

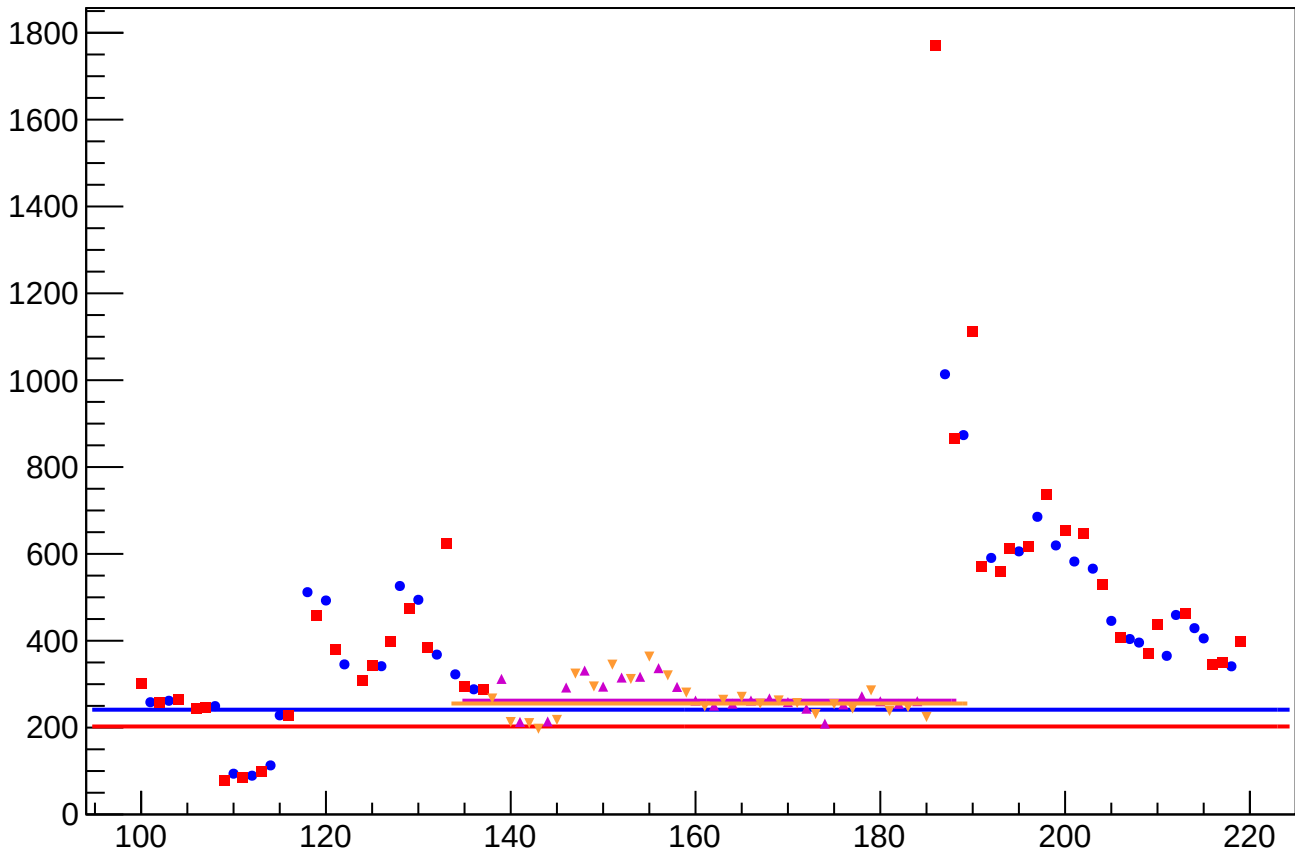
Left In: -39.147 ± 61.883 χ^2/NDF : 28.3/22

+ sign -245.964 ± 43.892 χ^2/NDF : 103.7/56

All: -154.860 ± 30.390 χ^2/NDF : 184.5/116

- sign -70.969 ± 42.118 χ^2/NDF : 72.5/59

asym_sam8_reg_correction_rms vs Slug



Right In: 241.229 $\pm$ 0.047 χ^2 /NDF: 13180667.6/31

Left Out: 255.469 $\pm$ 0.042 χ^2 /NDF: 863866.8/24

Right Out: 202.574 $\pm$ 0.041 χ^2 /NDF: 17750476.9/36

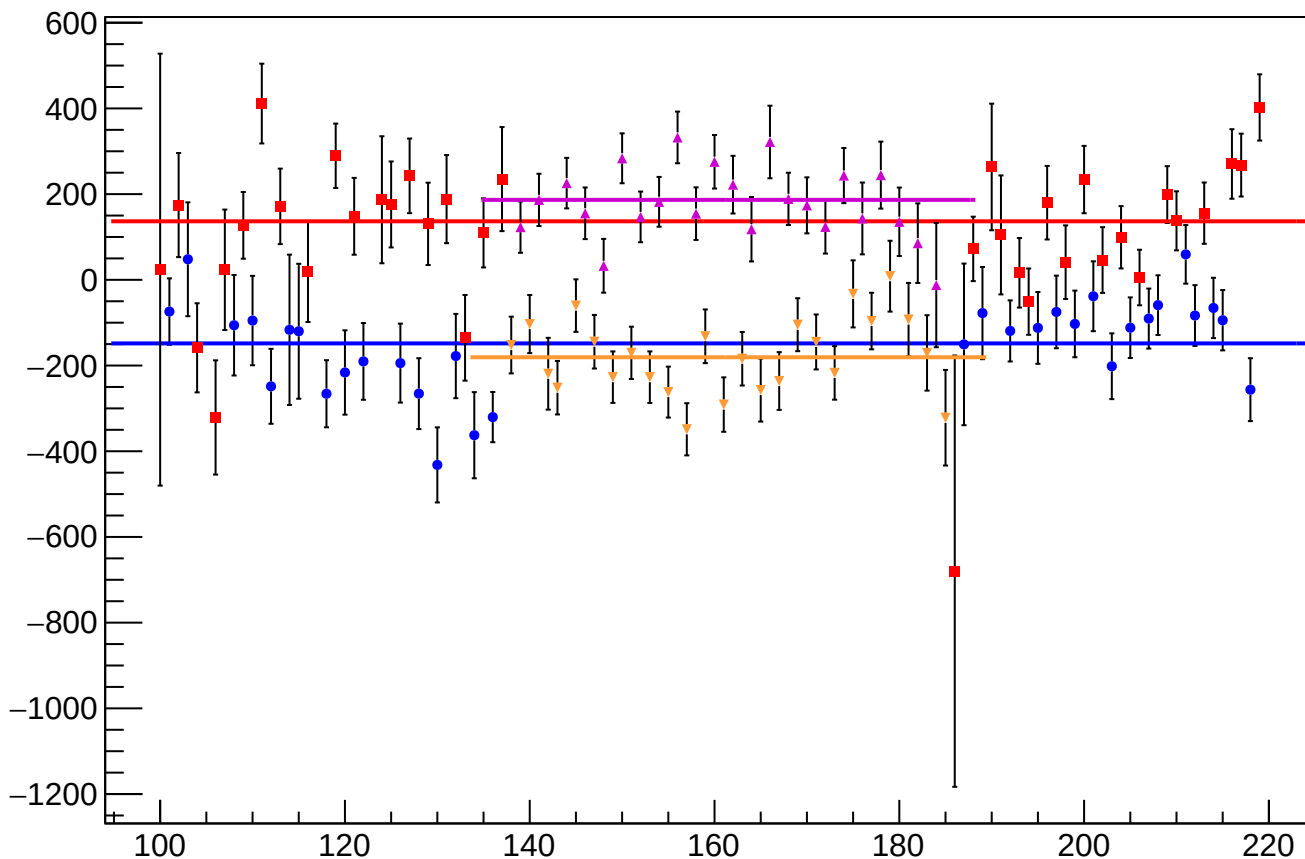
Left In: 262.007 $\pm$ 0.044 χ^2 /NDF: 670576.2/22

+ sign 249.143 $\pm$ 0.031 χ^2 /NDF: 14096510.8/56

All: 239.232 $\pm$ 0.021 χ^2 /NDF: 33703668.5/11

- sign 230.106 $\pm$ 0.030 χ^2 /NDF: 19411270.2/59

cor_asym_sam8_mean vs Slug



Right In: -148.350 ± 14.806 χ^2/NDF : 54.8/31

Left Out: -180.680 ± 13.419 χ^2/NDF : 38.6/24

Right Out: 136.577 ± 14.706 χ^2/NDF : 84.6/36

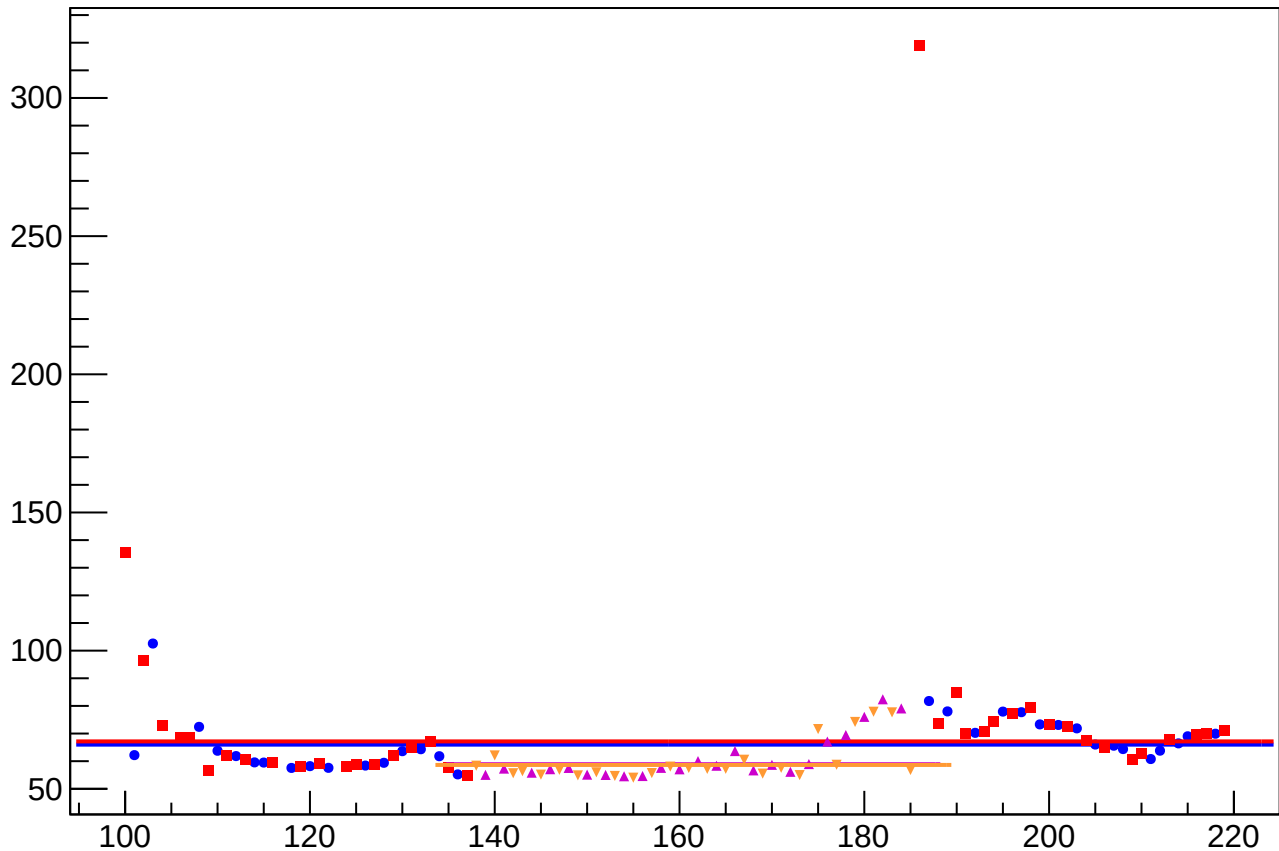
Left In: 186.567 ± 13.860 χ^2/NDF : 29.0/22

+ sign -166.100 ± 9.943 χ^2/NDF : 96.0/56

All: -3.882 ± 7.081 χ^2/NDF : 755.8/116

- sign 163.052 ± 10.086 χ^2/NDF : 119.7/59

cor_asym_sam8_rms vs Slug



Right In: 65.988 $\pm$ 0.010 χ^2 /NDF: 520755.6/31

Left Out: 58.644 $\pm$ 0.009 χ^2 /NDF: 393880.8/24

Right Out: 67.159 $\pm$ 0.010 χ^2 /NDF: 1058249.9/36

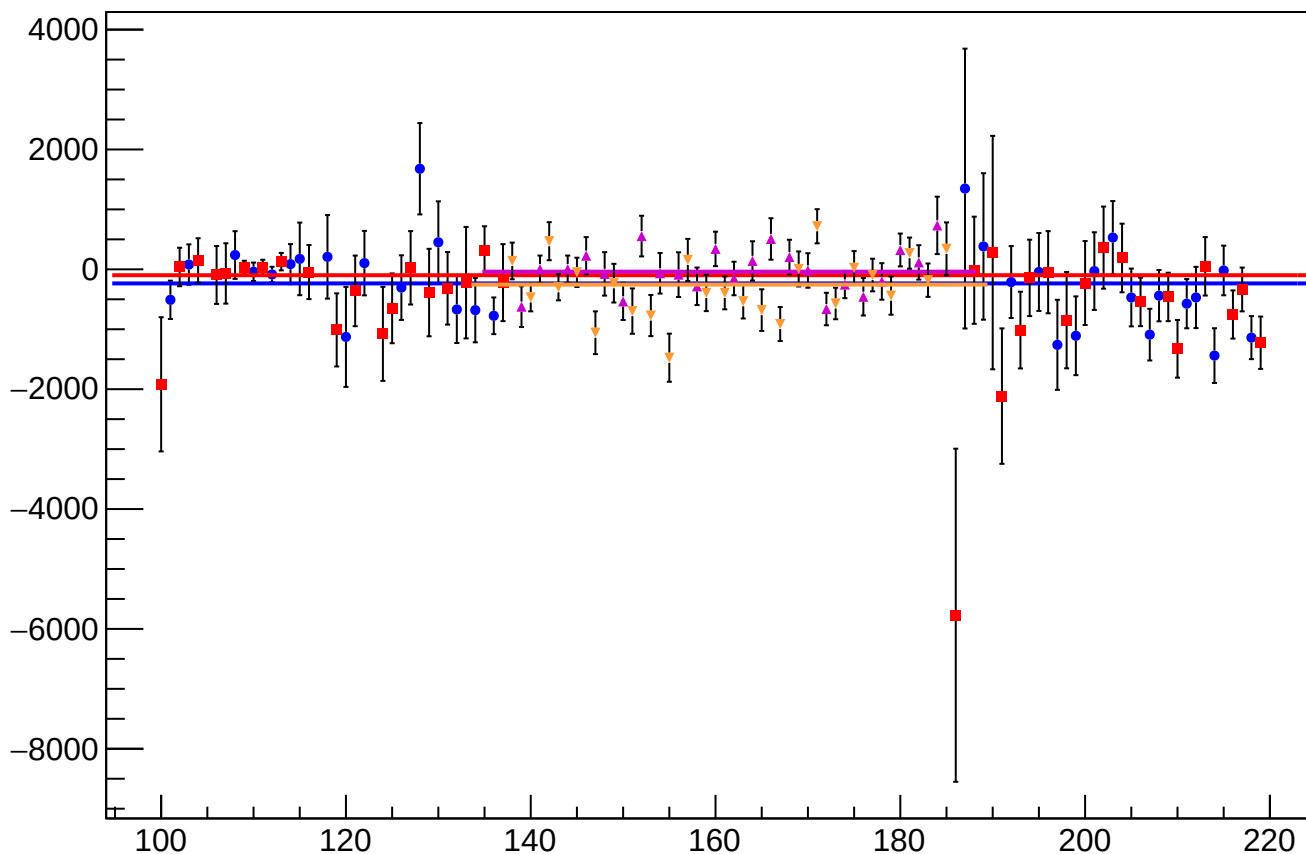
Left In: 58.906 $\pm$ 0.010 χ^2 /NDF: 386820.4/22

+ sign 61.956 $\pm$ 0.007 χ^2 /NDF: 1184796.5/56

All: 62.366 $\pm$ 0.005 χ^2 /NDF: 2970394.8/116

- sign 62.789 $\pm$ 0.007 χ^2 /NDF: 1778683.0/59

asym_sam8_cor_correction_mean vs Slug



Right In: -235.113 ± 65.852 χ^2/NDF : 46.0/31

Left Out: -254.625 ± 58.877 χ^2/NDF : 57.6/24

Right Out: -98.246 ± 57.599 χ^2/NDF : 43.7/36

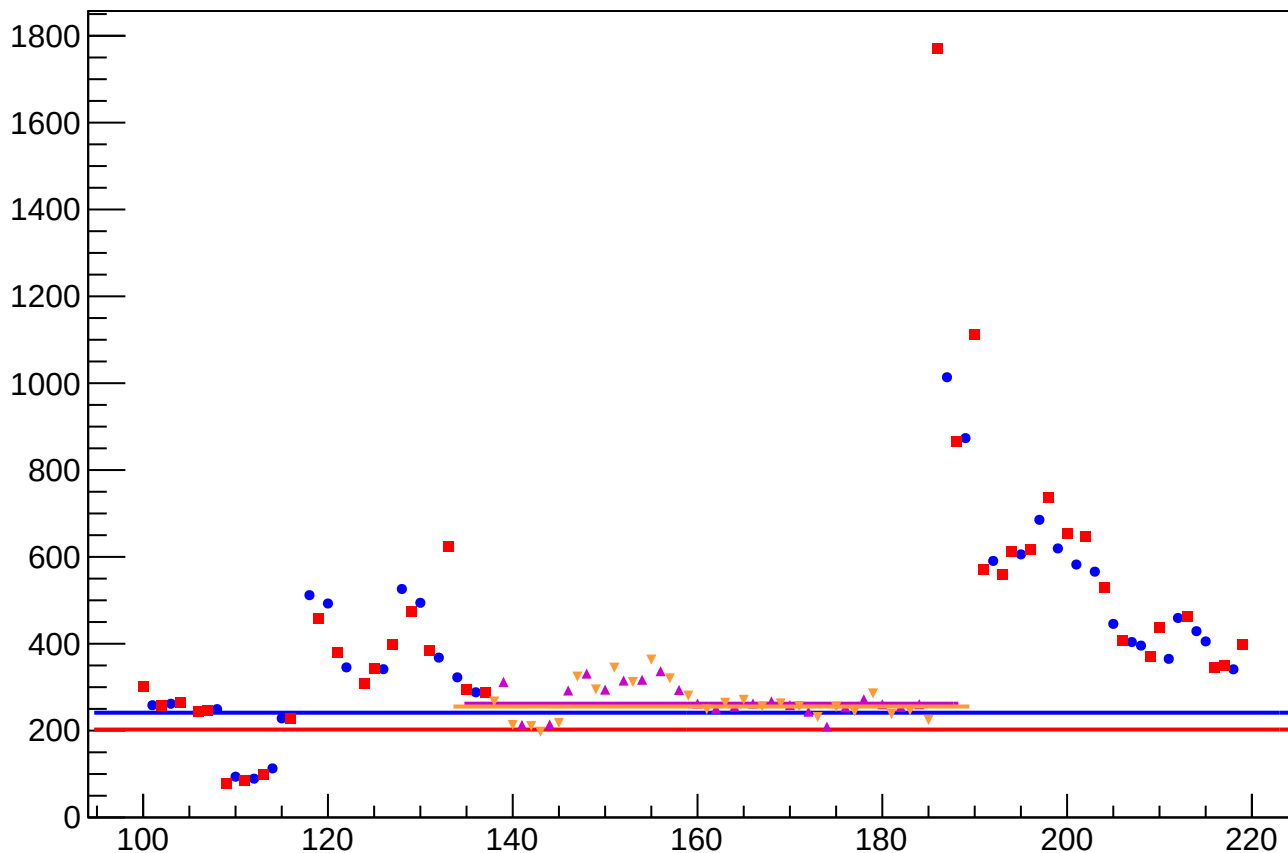
Left In: -39.144 ± 61.883 χ^2/NDF : 28.3/22

+ sign -245.957 ± 43.892 χ^2/NDF : 103.7/56

All: -154.864 ± 30.406 χ^2/NDF : 184.5/116

- sign -70.811 ± 42.162 χ^2/NDF : 72.5/59

asym_sam8_cor_correction_rms vs Slug



Right In: 241.230+/-0.047 χ^2/NDF : 13180686.8/31

Left Out: 255.469+/-0.042 χ^2/NDF : 863867.3/24

Right Out: 202.422+/-0.041 χ^2/NDF : 17747219.0/36

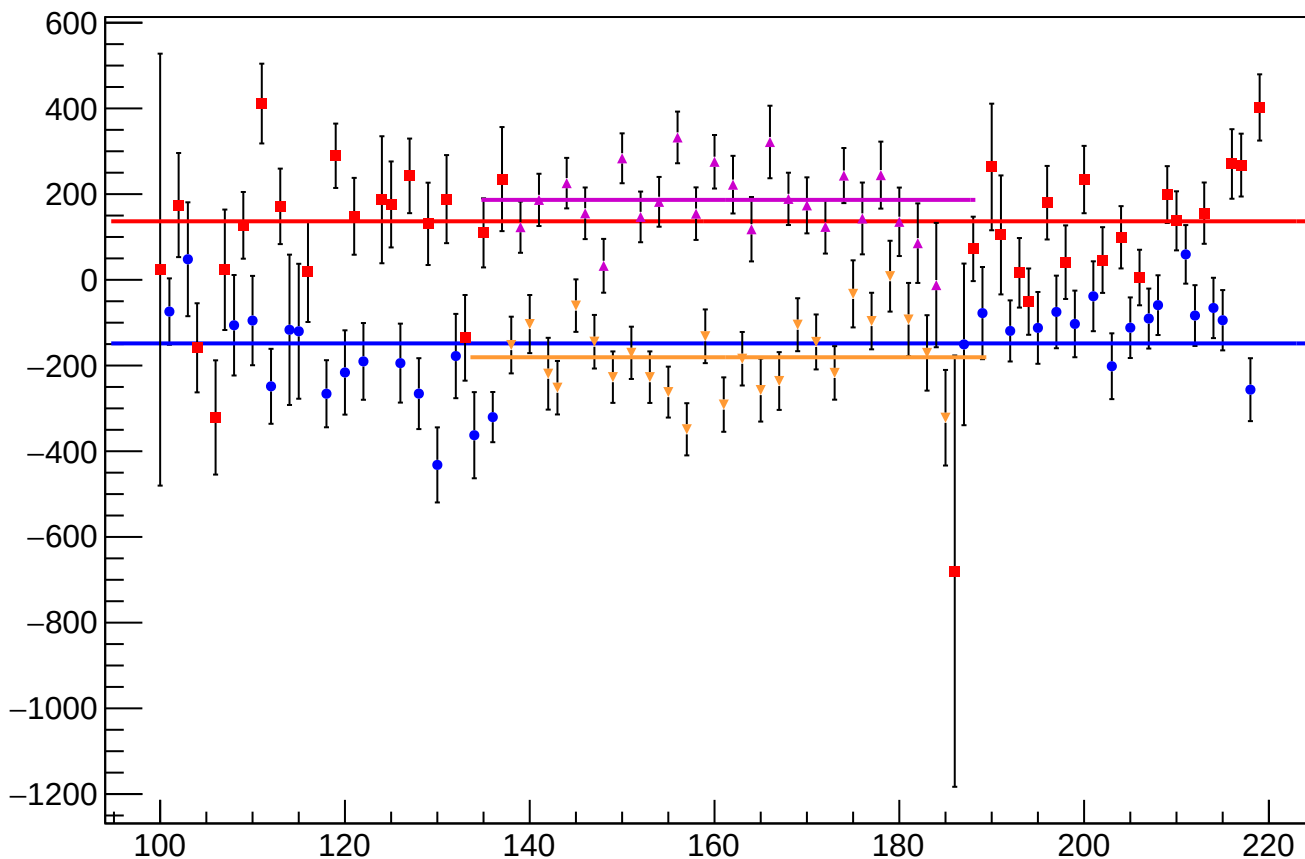
Left In: 262.007+/-0.044 χ^2/NDF : 670574.8/22

+ sign 249.143+/-0.031 χ^2/NDF : 14096523.6/56

All: 239.229+/-0.022 χ^2/NDF : 33704057.9/11

- sign 230.081+/-0.030 χ^2/NDF : 19411323.6/59

eigen_cor_asym_sam8_mean vs Slug



Right In: -148.350 ± 14.806 χ^2/NDF : 54.8/31

Left Out: -180.680 ± 13.419 χ^2/NDF : 38.6/24

Right Out: 136.577 ± 14.706 χ^2/NDF : 84.6/36

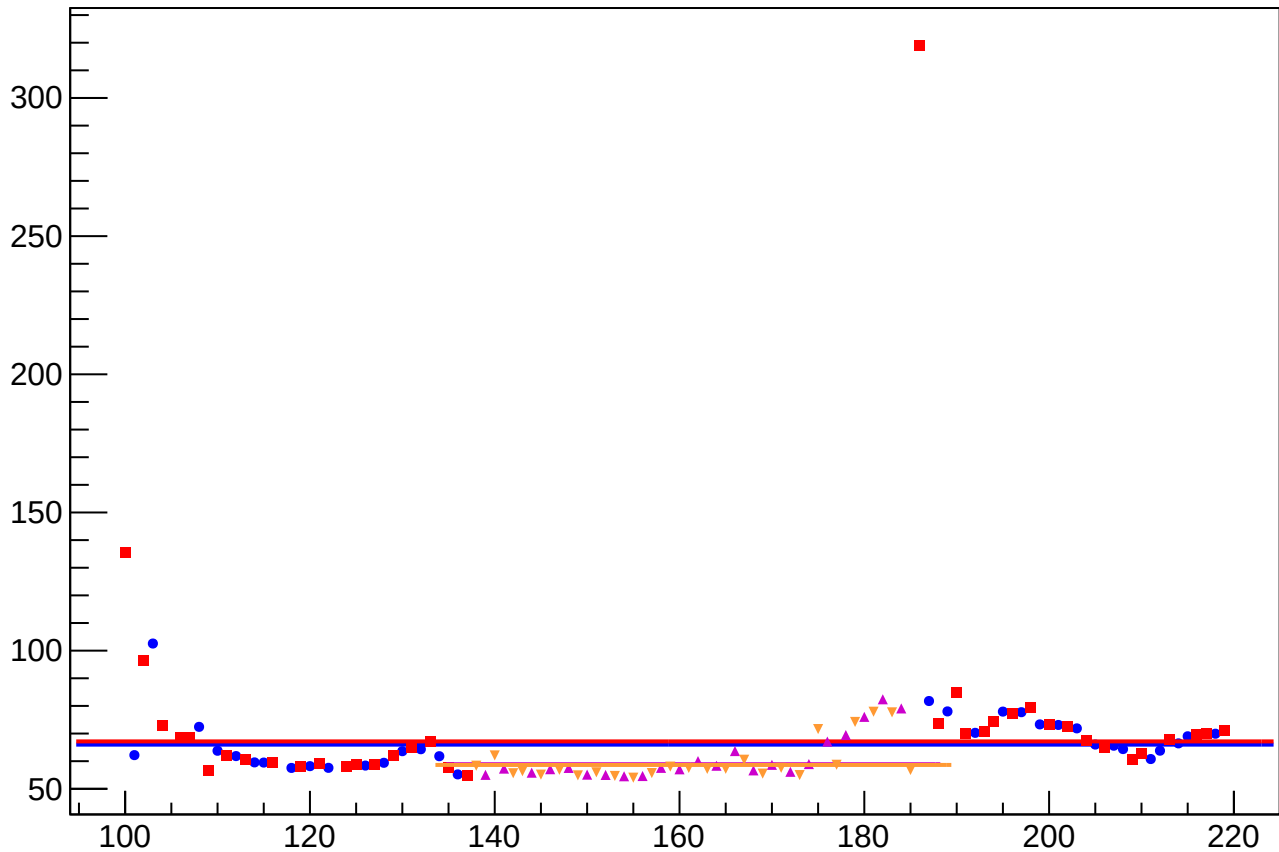
Left In: 186.567 ± 13.860 χ^2/NDF : 29.0/22

+ sign -166.100 ± 9.943 χ^2/NDF : 96.0/56

All: -3.882 ± 7.081 χ^2/NDF : 755.8/116

- sign 163.052 ± 10.086 χ^2/NDF : 119.7/59

eigen_cor_asym_sam8_rms vs Slug



Right In: 65.988 $\pm$ 0.010 χ^2 /NDF: 520755.6/31

Left Out: 58.644 $\pm$ 0.009 χ^2 /NDF: 393880.8/24

Right Out: 67.159 $\pm$ 0.010 χ^2 /NDF: 1058249.9/36

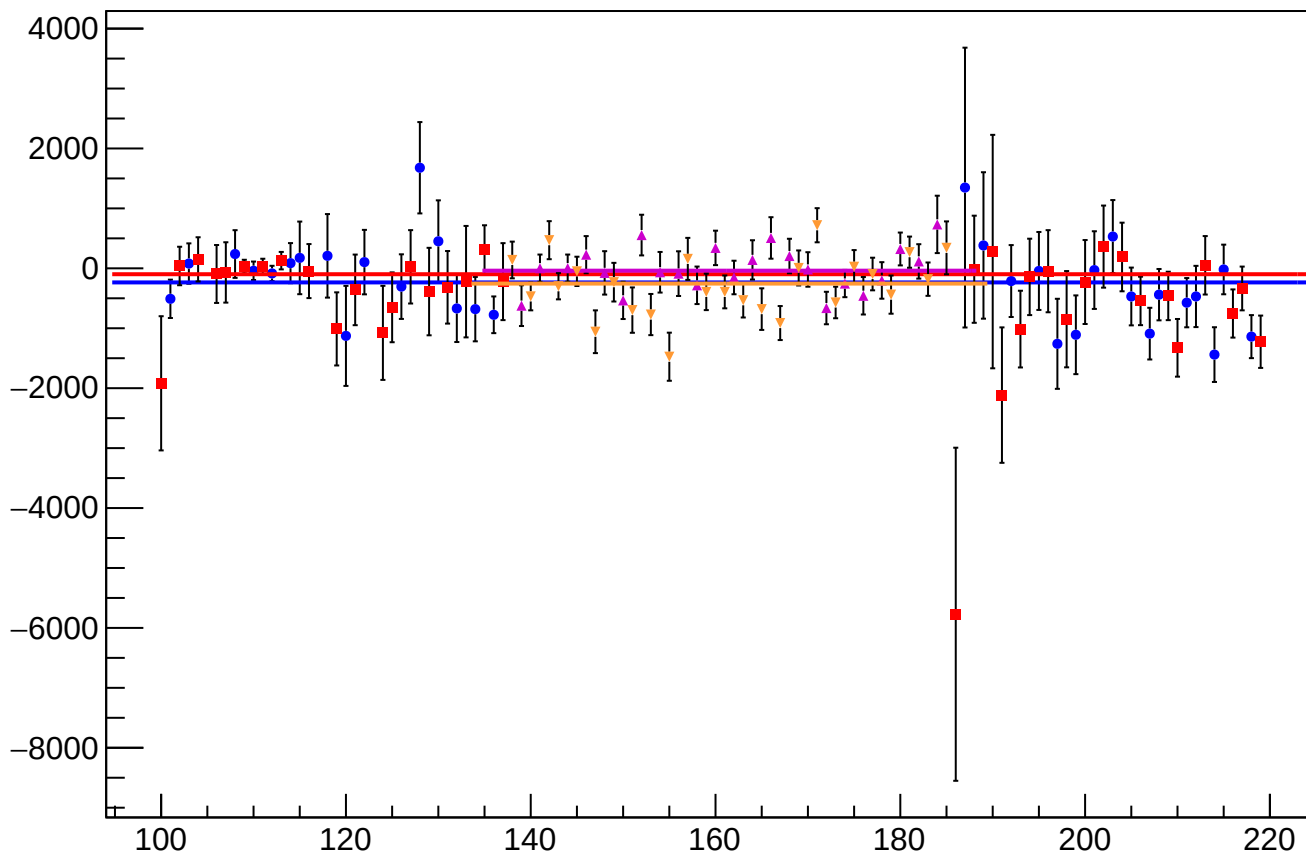
Left In: 58.906 $\pm$ 0.010 χ^2 /NDF: 386820.4/22

+ sign 61.956 $\pm$ 0.007 χ^2 /NDF: 1184796.5/56

All: 62.366 $\pm$ 0.005 χ^2 /NDF: 2970394.8/116

- sign 62.789 $\pm$ 0.007 χ^2 /NDF: 1778683.0/59

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -235.113 $\pm$ 65.852 χ^2 /NDF: 46.0/31

Left Out: -254.625 $\pm$ 58.877 χ^2 /NDF: 57.6/24

Right Out: -98.246 $\pm$ 57.599 χ^2 /NDF: 43.7/36

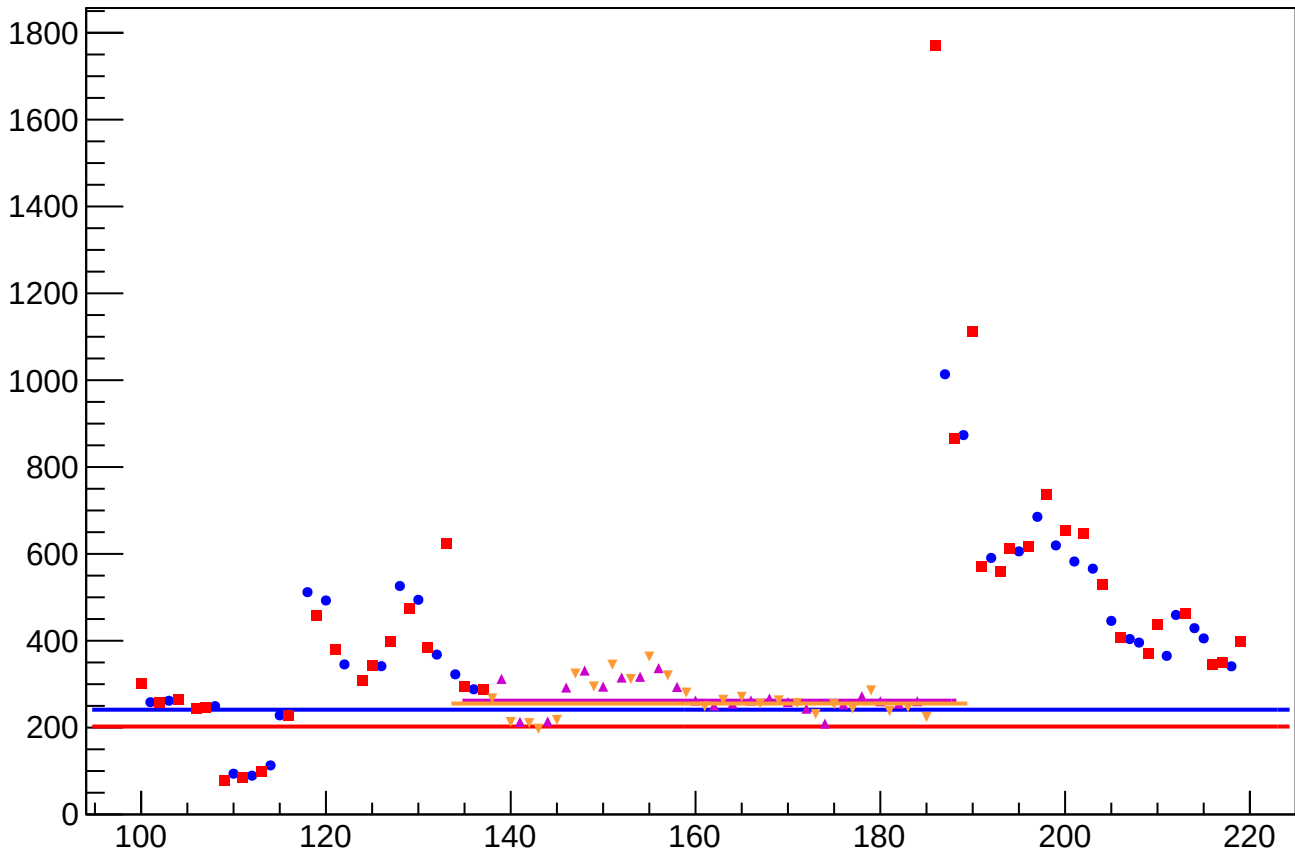
Left In: -39.144 $\pm$ 61.883 χ^2 /NDF: 28.3/22

+ sign -245.957 $\pm$ 43.892 χ^2 /NDF: 103.7/56

All: -154.864 $\pm$ 30.406 χ^2 /NDF: 184.5/116

- sign -70.811 $\pm$ 42.162 χ^2 /NDF: 72.5/59

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 241.230+/-0.047 χ^2/NDF : 13180686.8/31

Left Out: 255.469+/-0.042 χ^2/NDF : 863867.3/24

Right Out: 202.422+/-0.041 χ^2/NDF : 17747219.0/36

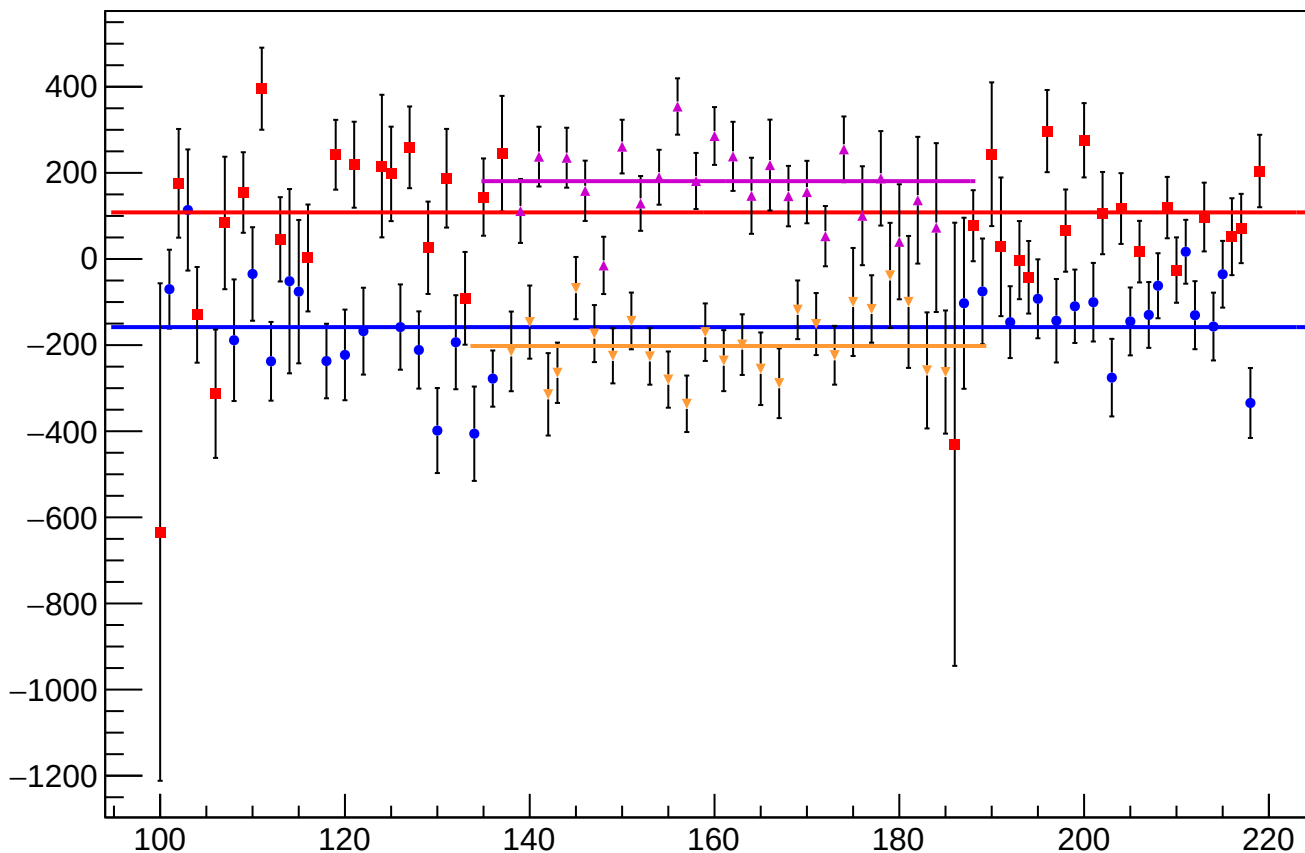
Left In: 262.007+/-0.044 χ^2/NDF : 670574.8/22

+ sign 249.143+/-0.031 χ^2/NDF : 14096523.6/56

All: 239.229+/-0.022 χ^2/NDF : 33704057.9/11

- sign 230.081+/-0.030 χ^2/NDF : 19411323.6/59

dit_asym_sam8_mean vs Slug



Right In: -158.209 $\pm$ 16.428 χ^2 /NDF: 41.5/31

Left Out: -202.090 $\pm$ 15.538 χ^2 /NDF:21.5/24

Right Out: 108.222 $\pm$ 16.261 χ^2 /NDF: 59.7/36

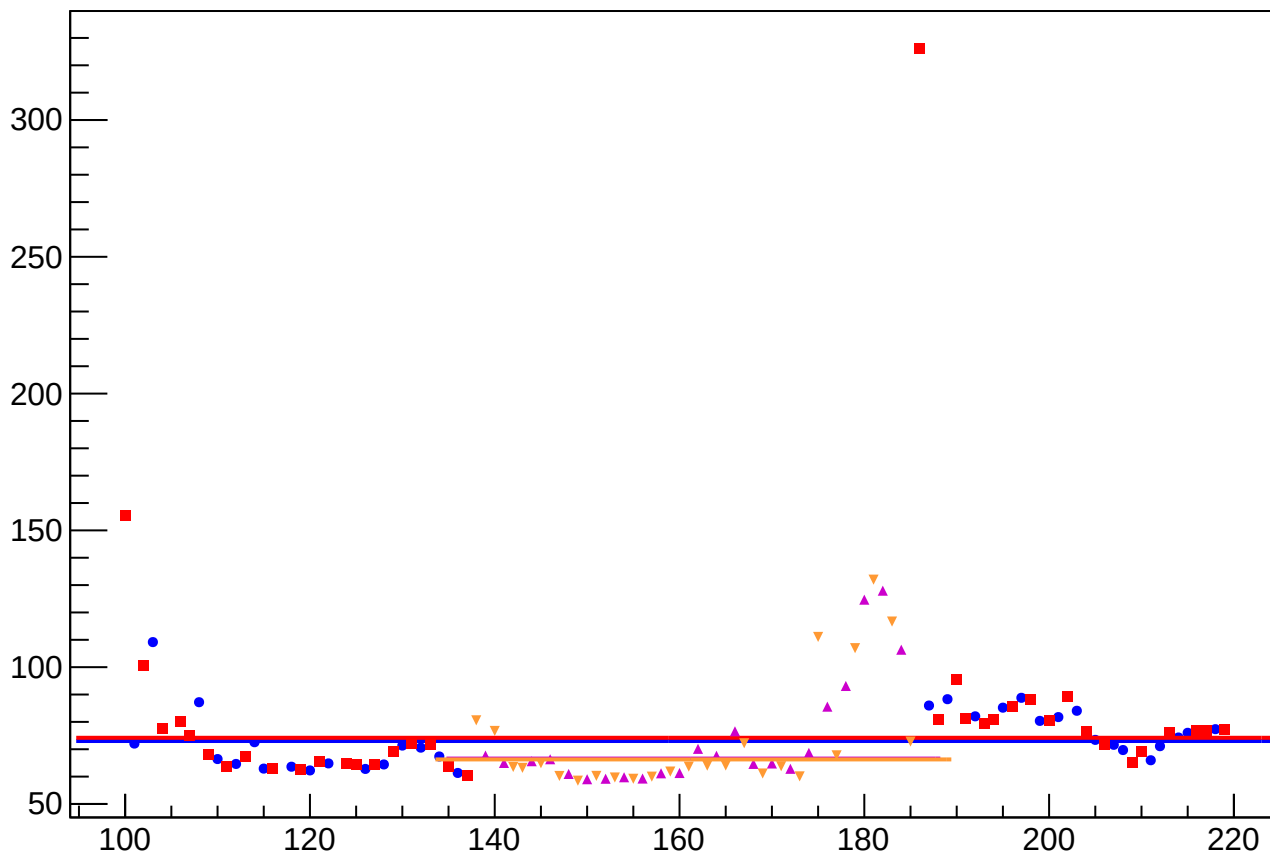
Left In: 180.784 $\pm$ 16.019 χ^2 /NDF:30.1/22

+ sign -181.370 $\pm$ 11.288 χ^2 /NDF: 66.8/56

All: -19.933 $\pm$ 8.025 χ^2 /NDF: 580.2/116

- sign 145.046 $\pm$ 11.412 χ^2 /NDF: 99.9/59

dit_asym_sam8_rms vs Slug



Right In: 73.008 $\pm$ 0.012 χ^2 /NDF: 599503.2/31

Left Out: 66.279 $\pm$ 0.011 χ^2 /NDF: 1393879.2/24

Right Out: 74.188 $\pm$ 0.011 χ^2 /NDF: 1076463.1/36

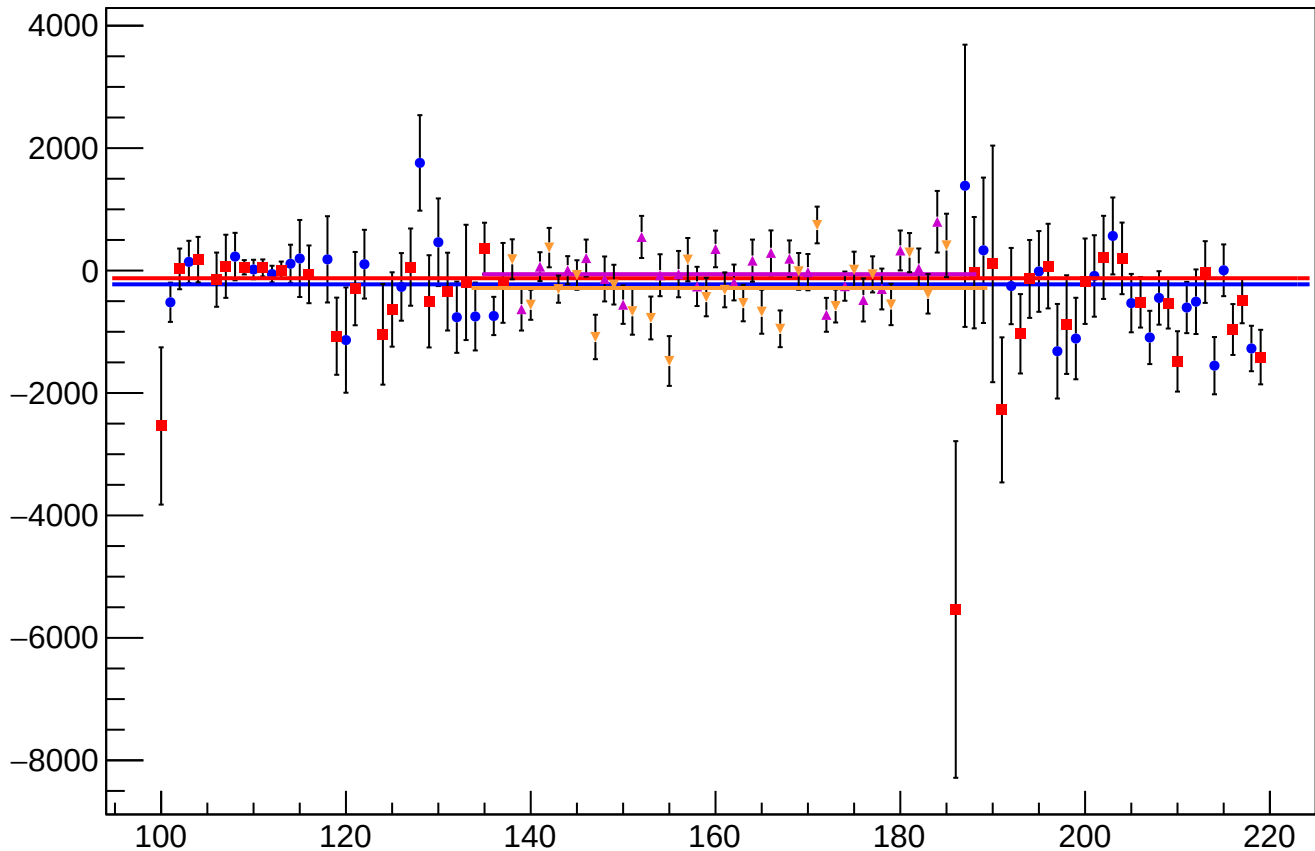
Left In: 66.585 $\pm$ 0.011 χ^2 /NDF: 1158238.0/22

+ sign 69.456 $\pm$ 0.008 χ^2 /NDF: 2170507.4/56

All: 69.888 $\pm$ 0.006 χ^2 /NDF: 4633000.3/116

- sign 70.330 $\pm$ 0.008 χ^2 /NDF: 2456572.4/59

asym_sam8_dit_correction_mean vs Slug



Right In: -225.029 ± 67.777 χ^2/NDF : 50.8/31

Left Out: -284.450 ± 61.727 χ^2/NDF : 54.6/24

Right Out: -125.365 ± 59.100 χ^2/NDF : 49.0/36

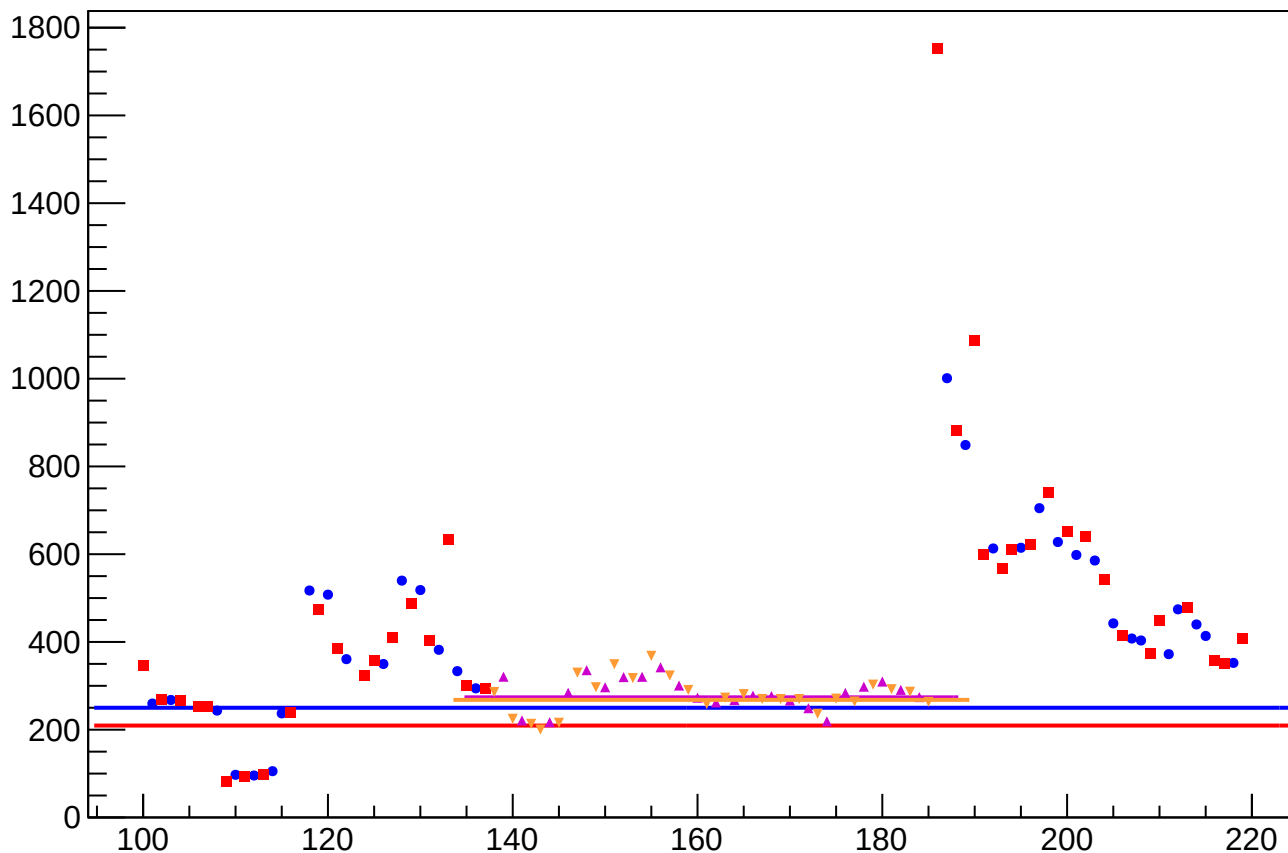
Left In: -59.160 ± 64.636 χ^2/NDF : 26.8/22

+ sign -257.509 ± 45.637 χ^2/NDF : 105.8/56

All: -172.692 ± 31.532 χ^2/NDF : 188.8/116

- sign -95.219 ± 43.616 χ^2/NDF : 76.4/59

asym_sam8_dit_correction_rms vs Slug



Right In: 250.008 $\pm$ 0.048 χ^2 /NDF: 12856604.7/31

Left Out: 267.985 $\pm$ 0.044 χ^2 /NDF: 862786.9/24

Right Out: 209.422 $\pm$ 0.042 χ^2 /NDF: 17478008.5/36

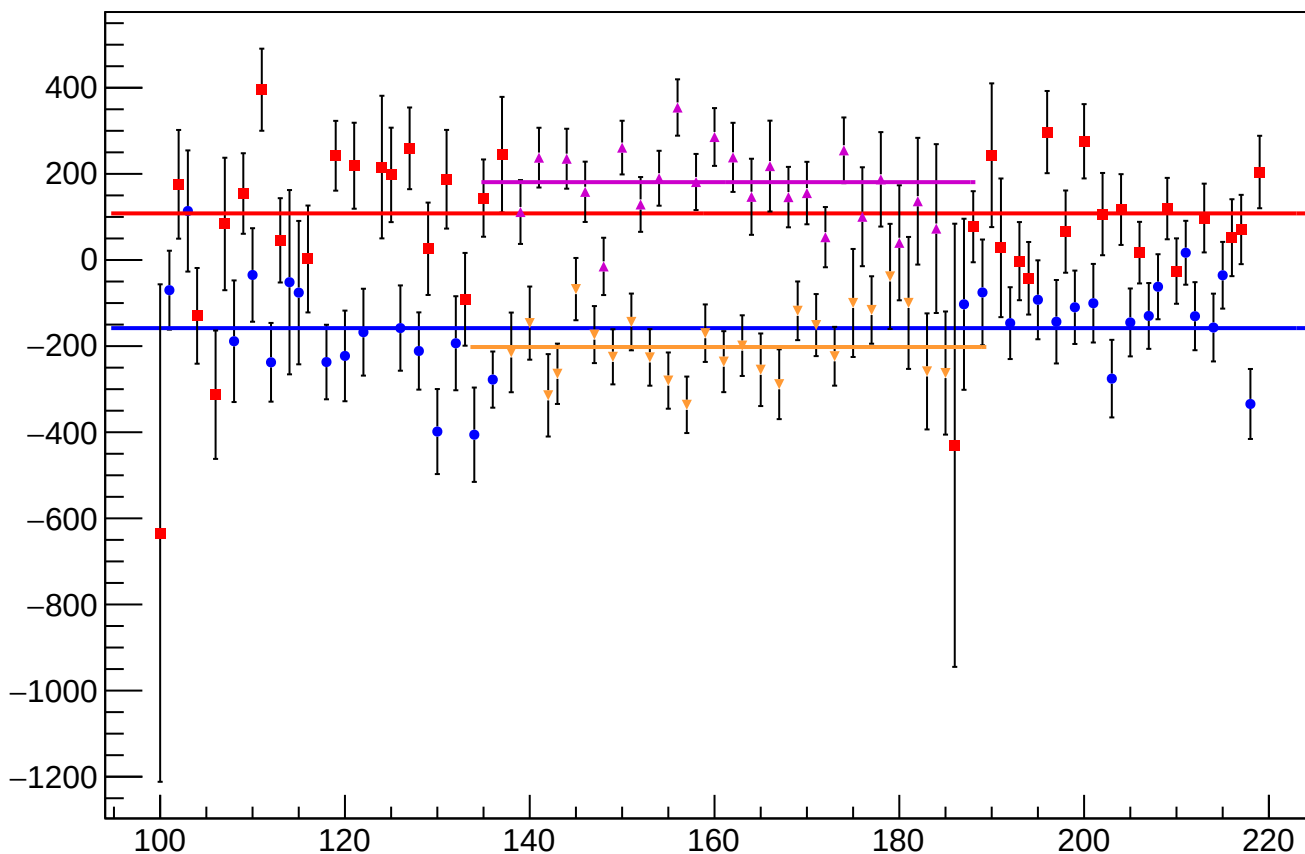
Left In: 273.751 $\pm$ 0.046 χ^2 /NDF: 650295.5/22

+ sign 259.835 $\pm$ 0.032 χ^2 /NDF: 13796303.1/56

All: 248.797 $\pm$ 0.022 χ^2 /NDF: 33227442.1/11

- sign 238.714 $\pm$ 0.031 χ^2 /NDF: 19207263.7/59

eigen_dit_asym_sam8_mean vs Slug



Right In: -158.208+/-16.428 χ^2/NDF : 41.5/31

Left Out: -202.090+/-15.538 χ^2/NDF : 21.5/24

Right Out: 108.223+/-16.261 χ^2/NDF : 59.7/36

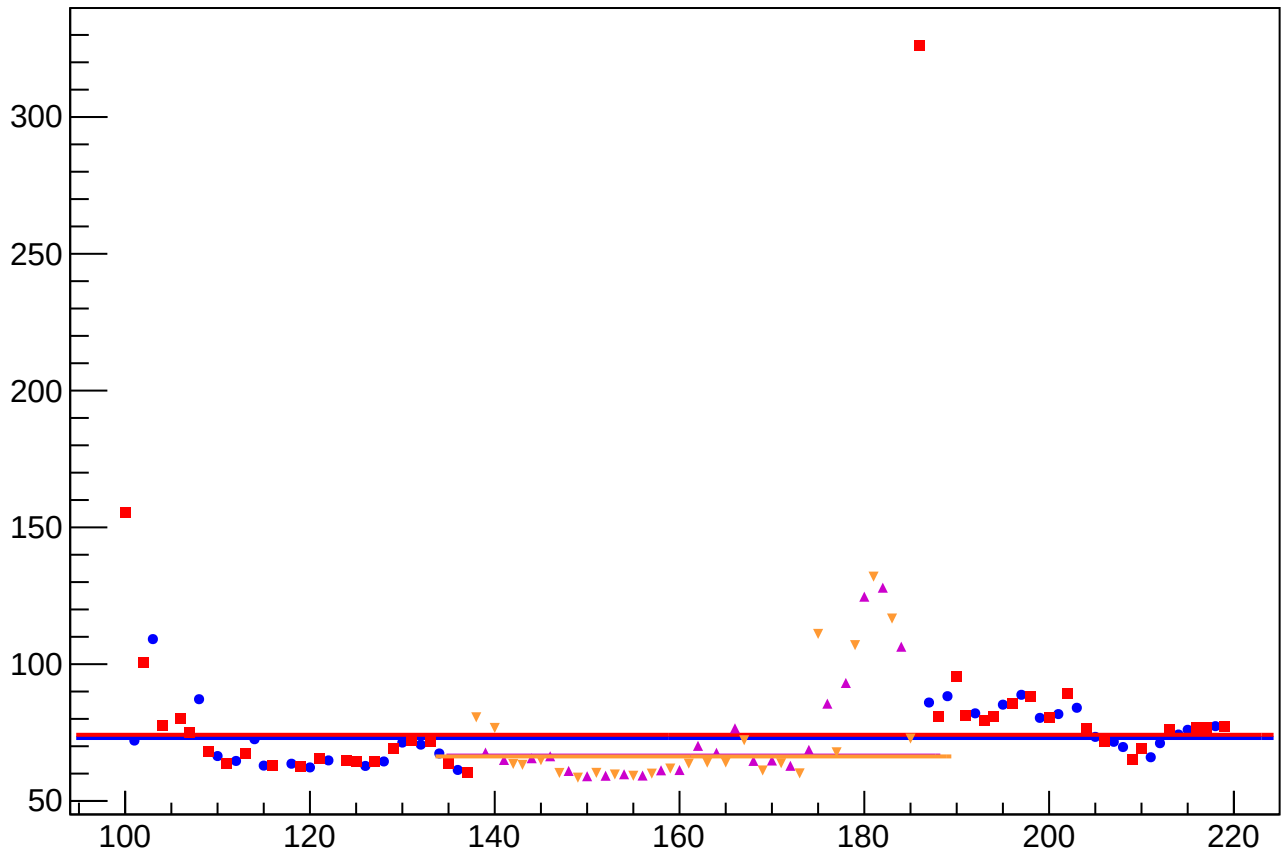
Left In: 180.785+/-16.019 χ^2/NDF : 30.1/22

+ sign -181.370+/-11.288 χ^2/NDF : 66.8/56

All: -19.932+/-8.025 χ^2/NDF : 580.2/116

- sign 145.047+/-11.412 χ^2/NDF : 99.9/59

eigen_dit_asym_sam8_rms vs Slug



Right In: 73.008 $\pm$ 0.012 χ^2 /NDF: 599507.1/31

Left Out: 66.279 $\pm$ 0.011 χ^2 /NDF: 1393881.3/24

Right Out: 74.188 $\pm$ 0.011 χ^2 /NDF: 1076468.0/36

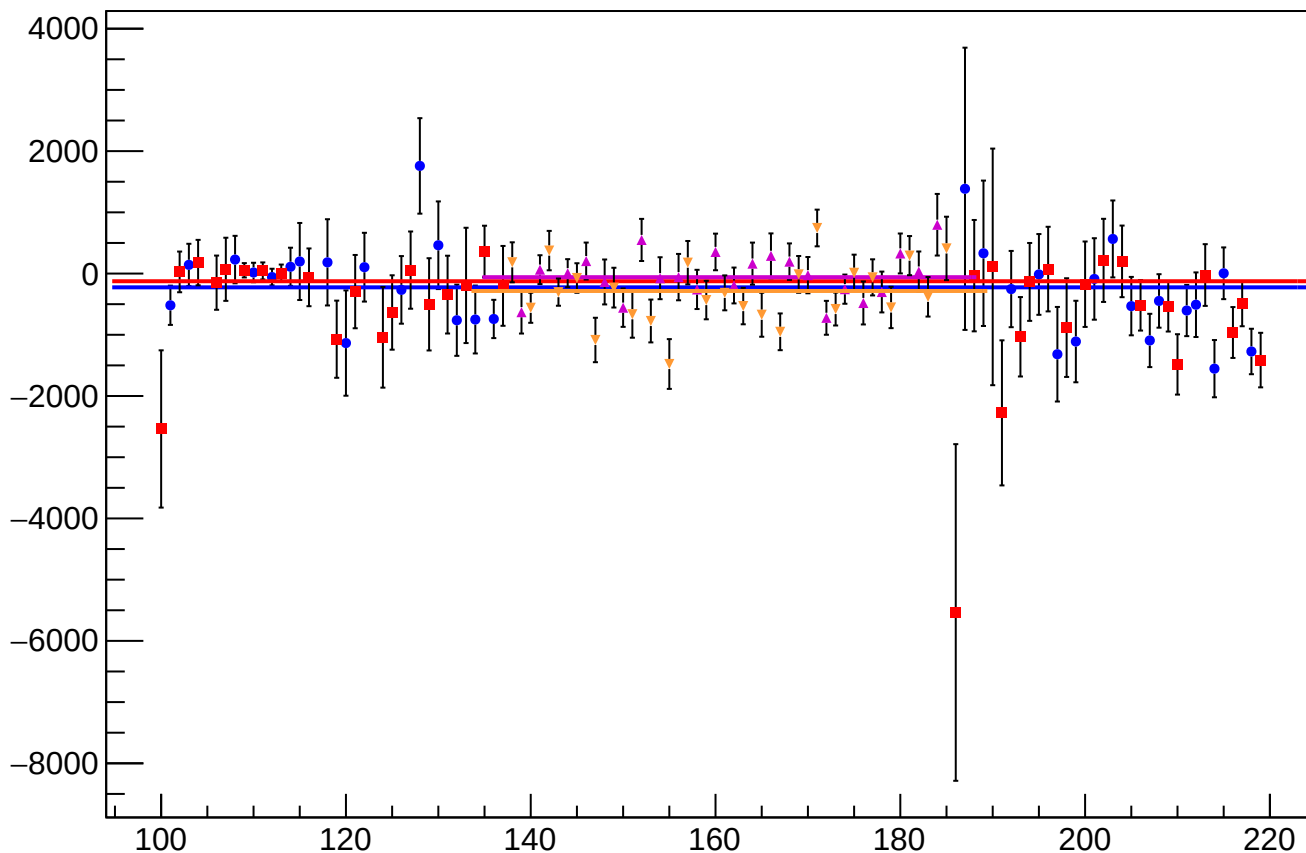
Left In: 66.585 $\pm$ 0.011 χ^2 /NDF: 1158231.7/22

+ sign 69.456 $\pm$ 0.008 χ^2 /NDF: 2170505.2/56

All: 69.888 $\pm$ 0.006 χ^2 /NDF: 4632985.0/116

- sign 70.330 $\pm$ 0.008 χ^2 /NDF: 2456559.3/59

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -225.026 ± 67.776 χ^2/NDF : 50.8/31

Left Out: -284.450 ± 61.727 χ^2/NDF : 54.6/24

Right Out: -125.363 ± 59.100 χ^2/NDF : 49.0/36

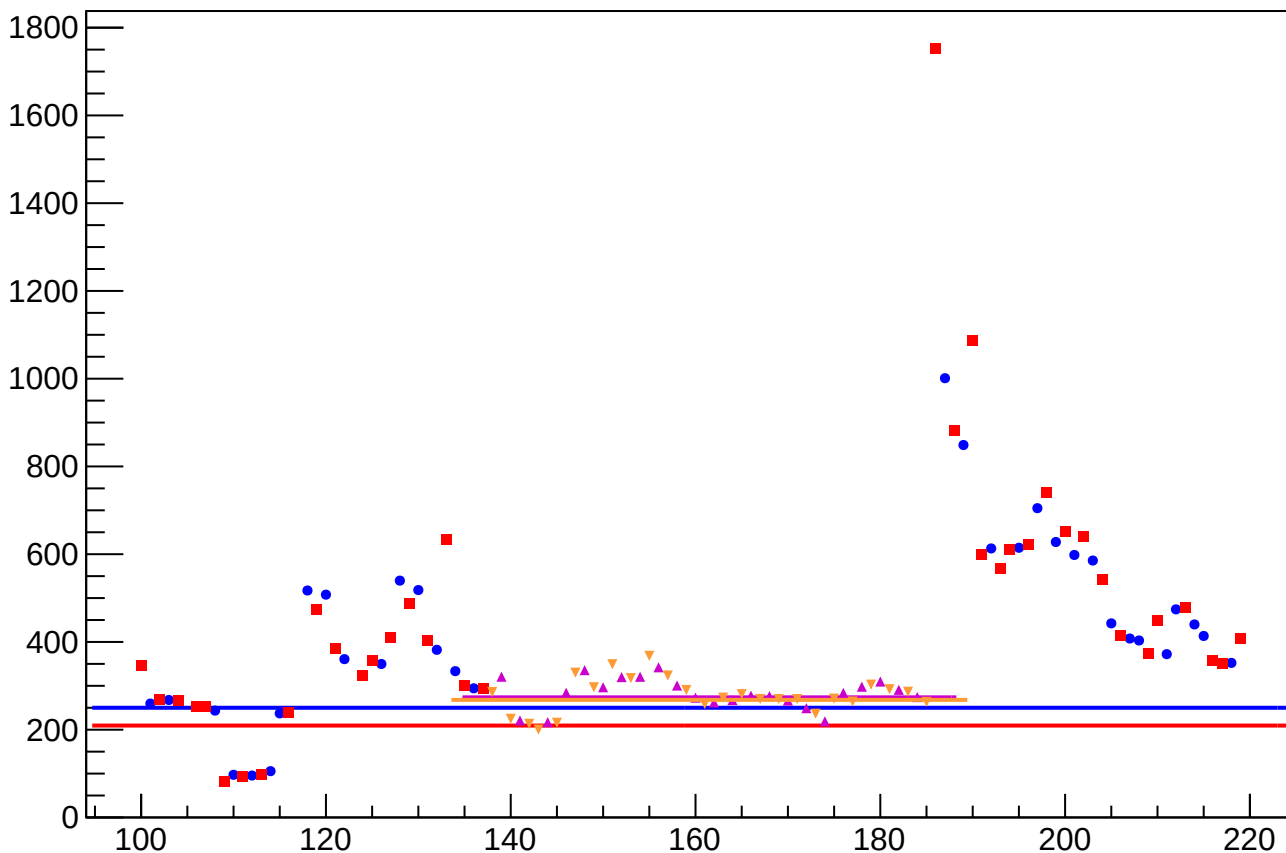
Left In: -59.160 ± 64.636 χ^2/NDF : 26.8/22

+ sign -257.508 ± 45.637 χ^2/NDF : 105.8/56

All: -172.691 ± 31.531 χ^2/NDF : 188.8/116

- sign -95.218 ± 43.616 χ^2/NDF : 76.4/59

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 250.007 $\pm$ 0.048 χ^2/NDF : 12856696.7/31

Left Out: 267.985 $\pm$ 0.044 χ^2/NDF : 862797.1/24

Right Out: 209.421 $\pm$ 0.042 χ^2/NDF : 17478005.9/36

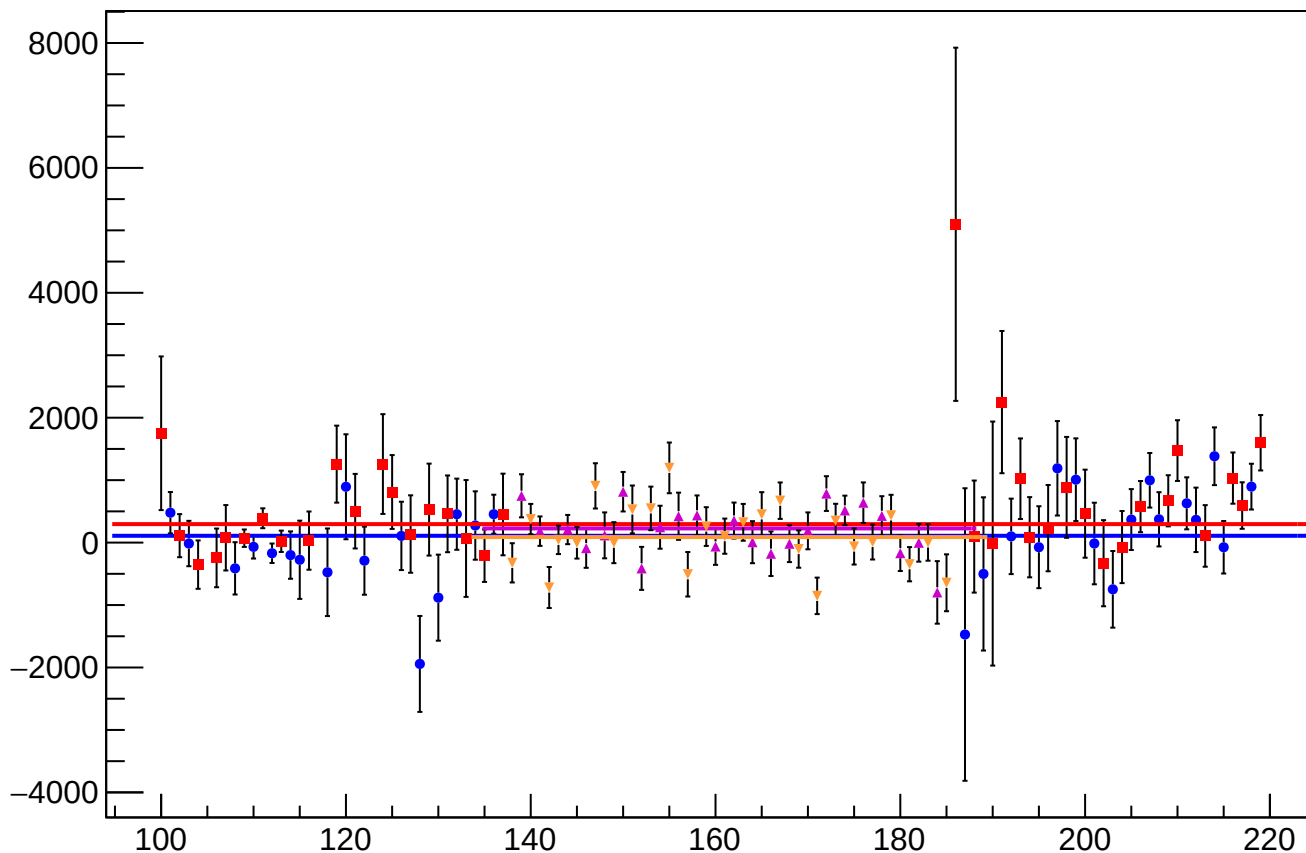
Left In: 273.750 $\pm$ 0.046 χ^2/NDF : 650300.9/22

+ sign 259.833 $\pm$ 0.032 χ^2/NDF : 13796412.6/56

All: 248.796 $\pm$ 0.022 χ^2/NDF : 33227533.2/1

- sign 238.713 $\pm$ 0.031 χ^2/NDF : 19207257.6/59

asym_sam8_mean vs Slug



Right In: 109.009 $\pm$ 72.652 χ^2 /NDF: 46.7/31

Left Out: 88.397 $\pm$ 60.666 χ^2 /NDF: 52.2/24

Right Out: 295.941 $\pm$ 65.072 χ^2 /NDF: 47.3/36

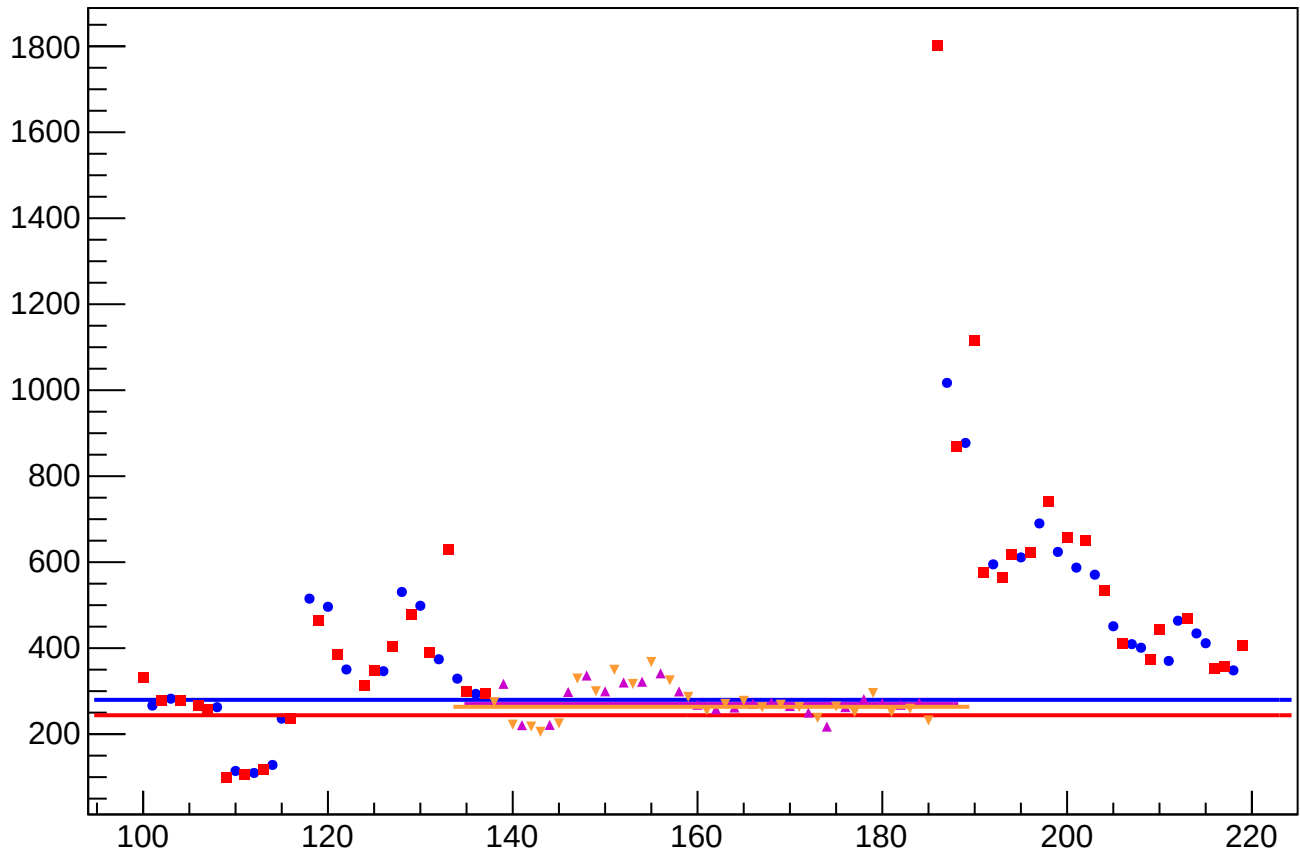
Left In: 226.867 $\pm$ 63.677 χ^2 /NDF: 28.8/22

+ sign 96.865 $\pm$ 46.566 χ^2 /NDF: 99.0/56

All: 180.636 $\pm$ 32.548 χ^2 /NDF: 182.0/116

- sign 260.656 $\pm$ 45.512 χ^2 /NDF: 76.7/59

asym_sam8_rms vs Slug



Right In: 279.783+/-0.051 χ^2/NDF : 10370001.8/31

Left Out: 263.593+/-0.043 χ^2/NDF : 779853.4/24

+ sign 270.244+/-0.033 χ^2/NDF : 11208374.9/56

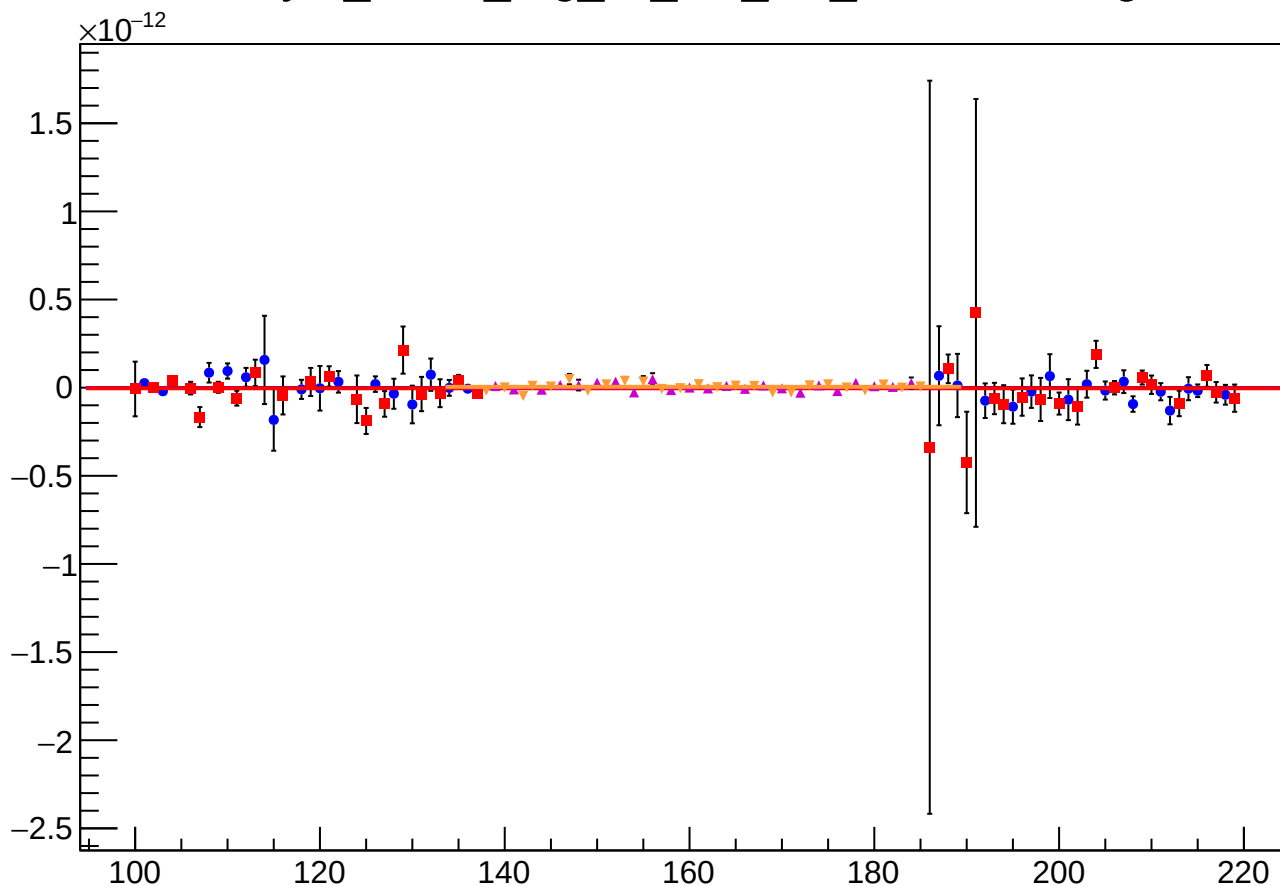
Right Out: 243.925+/-0.046 χ^2/NDF : 14530132.1/36

All: 263.569+/-0.023 χ^2/NDF : 26583873.9/1

Left In: 269.898+/-0.045 χ^2/NDF : 602244.3/22

- sign 257.193+/-0.032 χ^2/NDF : 15295144.0/59

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 25.5/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 51.4/36

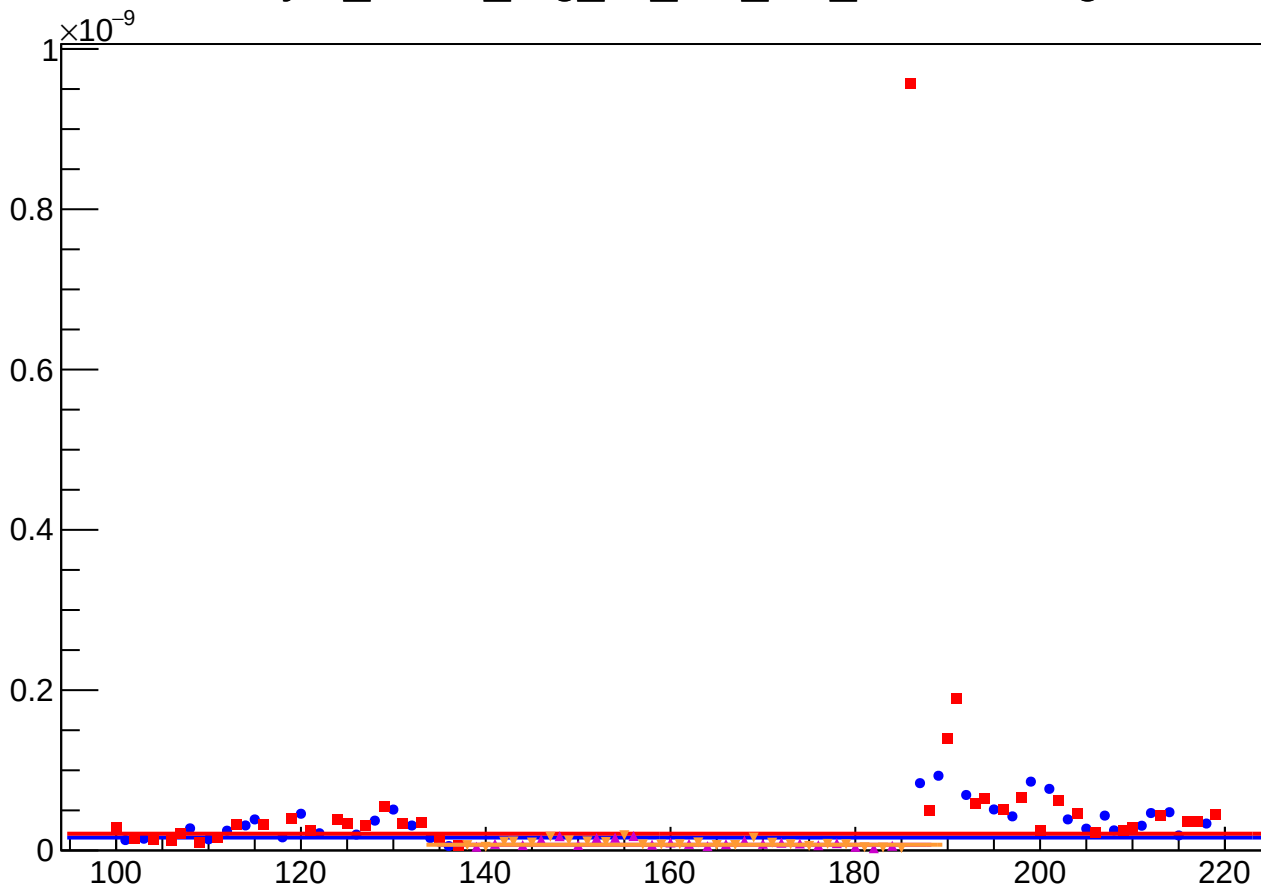
Left In: 0.000 ± 0.000 χ^2/NDF : 21.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 54.1/56

All: 0.000 ± 0.000 χ^2/NDF : 127.6/116

- sign 0.000 ± 0.000 χ^2/NDF : 73.4/59

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7017857.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5411593.4/36

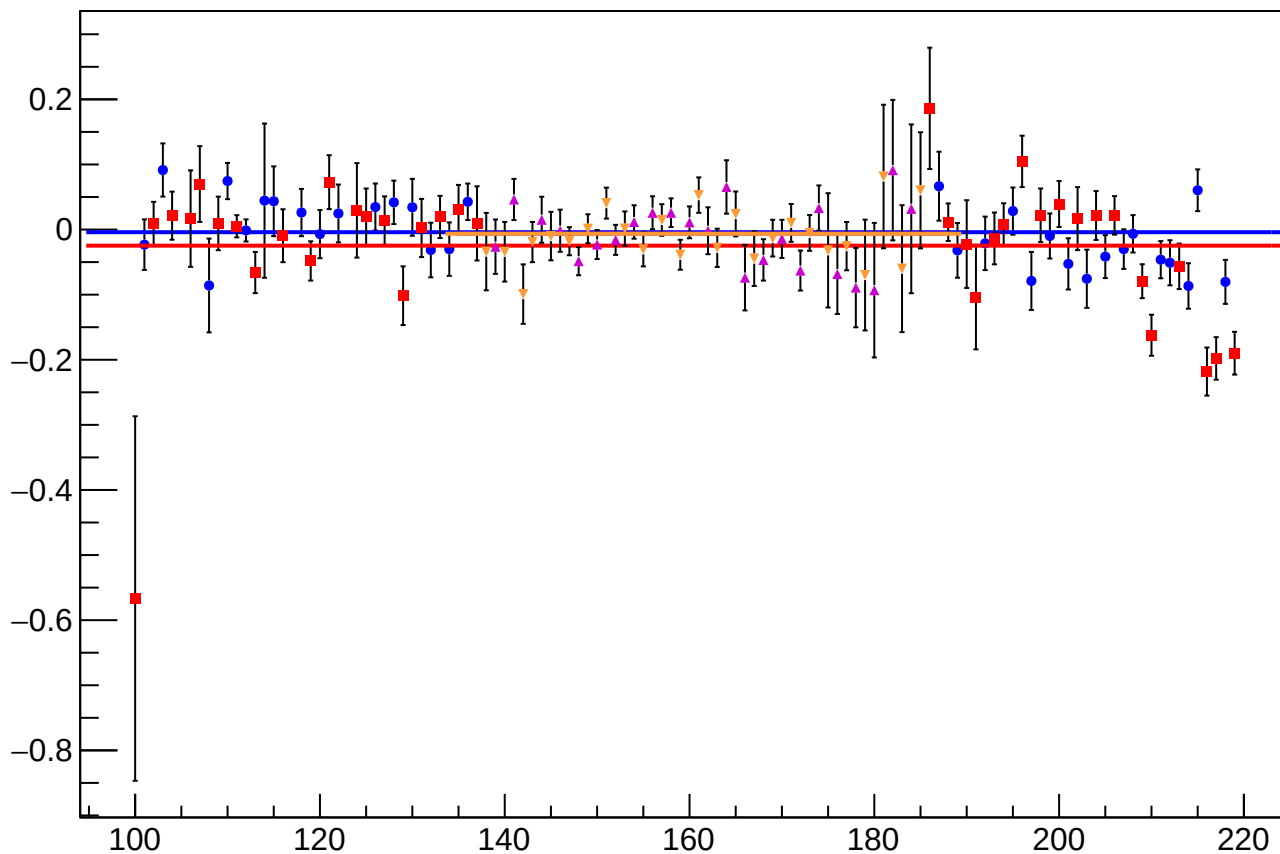
Left In: 0.000+/-0.000 χ^2/NDF : 2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 11497621.6/56

All: 0.000+/-0.000 χ^2/NDF : 23460716.6/116

- sign 0.000+/-0.000 χ^2/NDF : 11954476.7/59

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.006 χ^2/NDF : 55.4/31

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: -0.025 ± 0.006 χ^2/NDF : 165.3/36

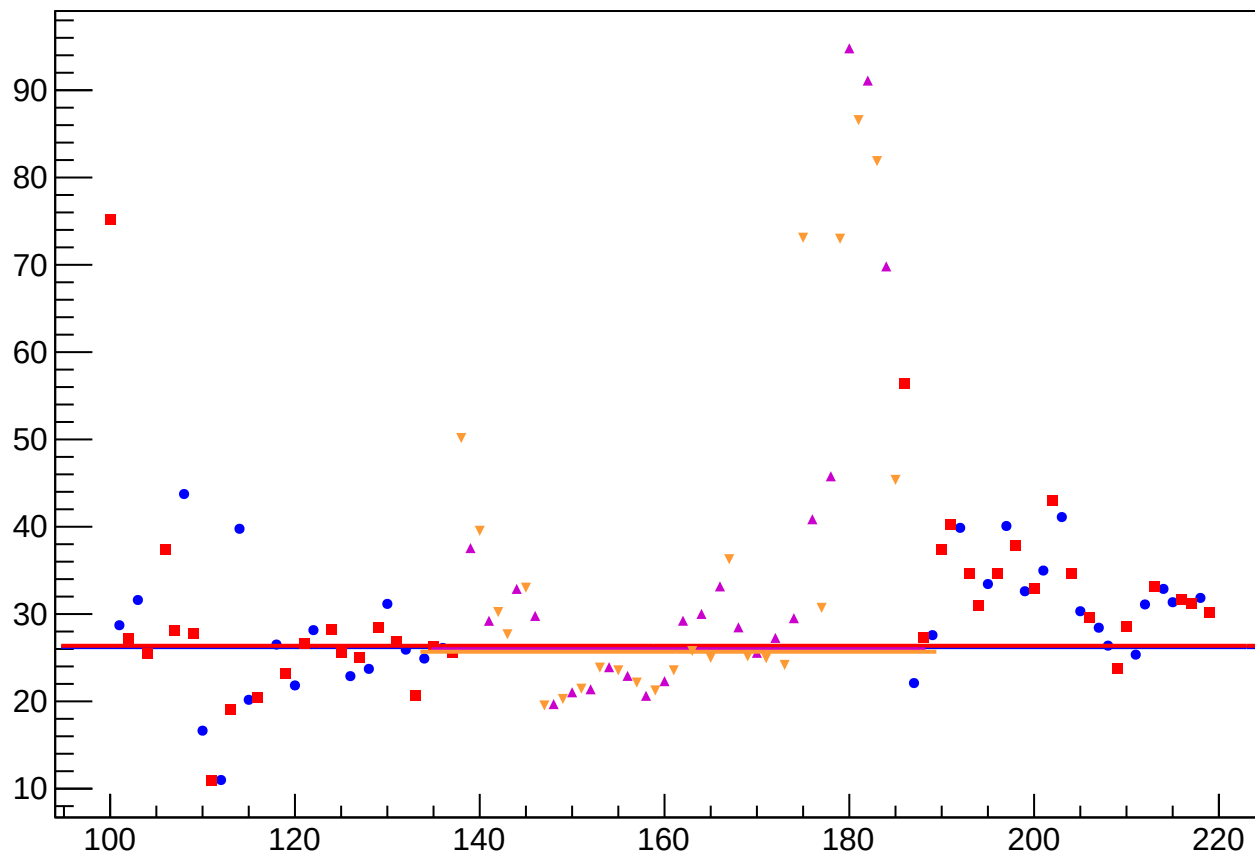
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign -0.005 ± 0.004 χ^2/NDF : 78.1/56

All: -0.011 ± 0.003 χ^2/NDF : 279.1/116

- sign -0.016 ± 0.004 χ^2/NDF : 197.9/59

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 26.211 $\pm$ 0.004 χ^2 /NDF: 3305678.7/31

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF: 3871541.1/24

Right Out: 26.367 $\pm$ 0.004 χ^2 /NDF: 3335014.7/36

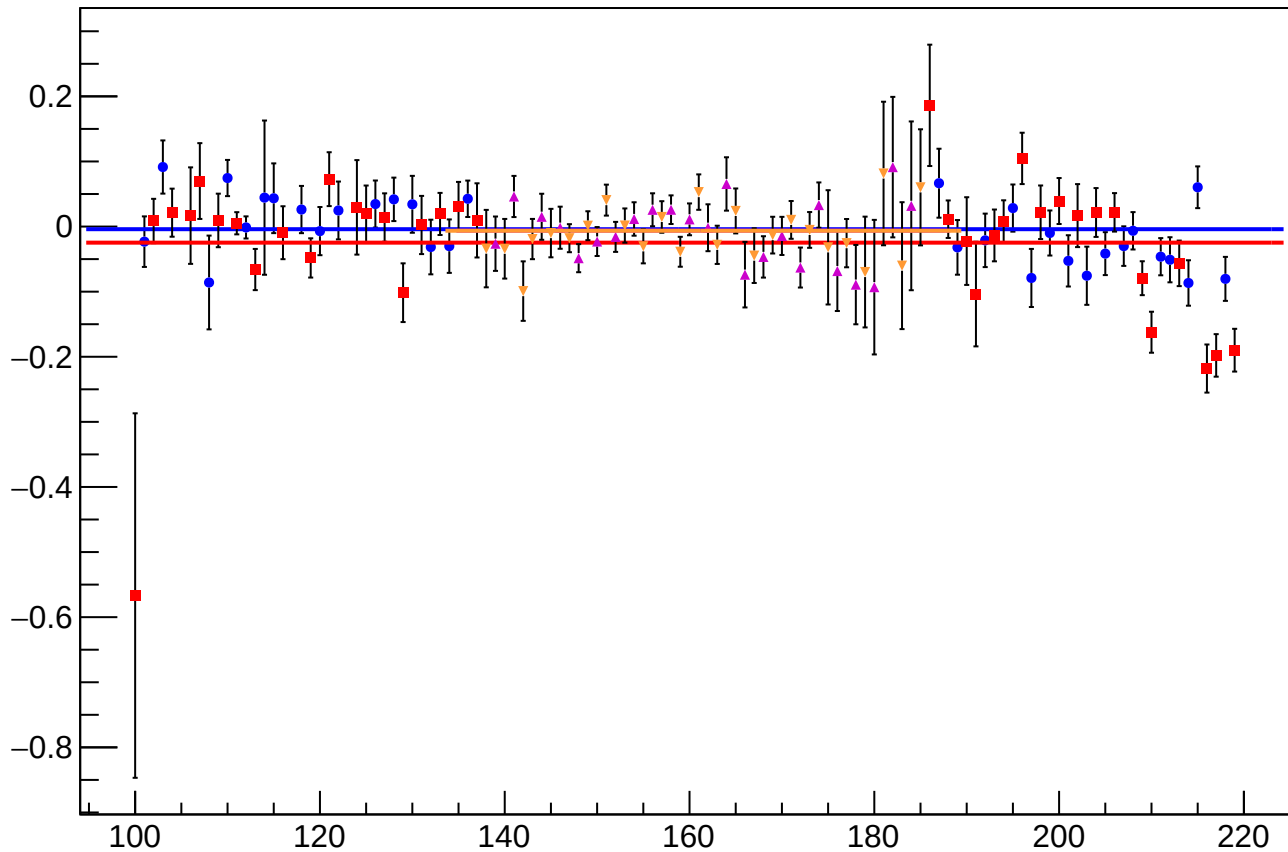
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF: 3118335.6/22

+ sign 25.956 $\pm$ 0.003 χ^2 /NDF: 7184193.7/56

All: 26.071 $\pm$ 0.002 χ^2 /NDF: 13644099.5/116

- sign 26.187 $\pm$ 0.003 χ^2 /NDF: 6457224.3/59

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.006 χ^2/NDF : 55.4/31

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: -0.025 ± 0.006 χ^2/NDF : 165.3/36

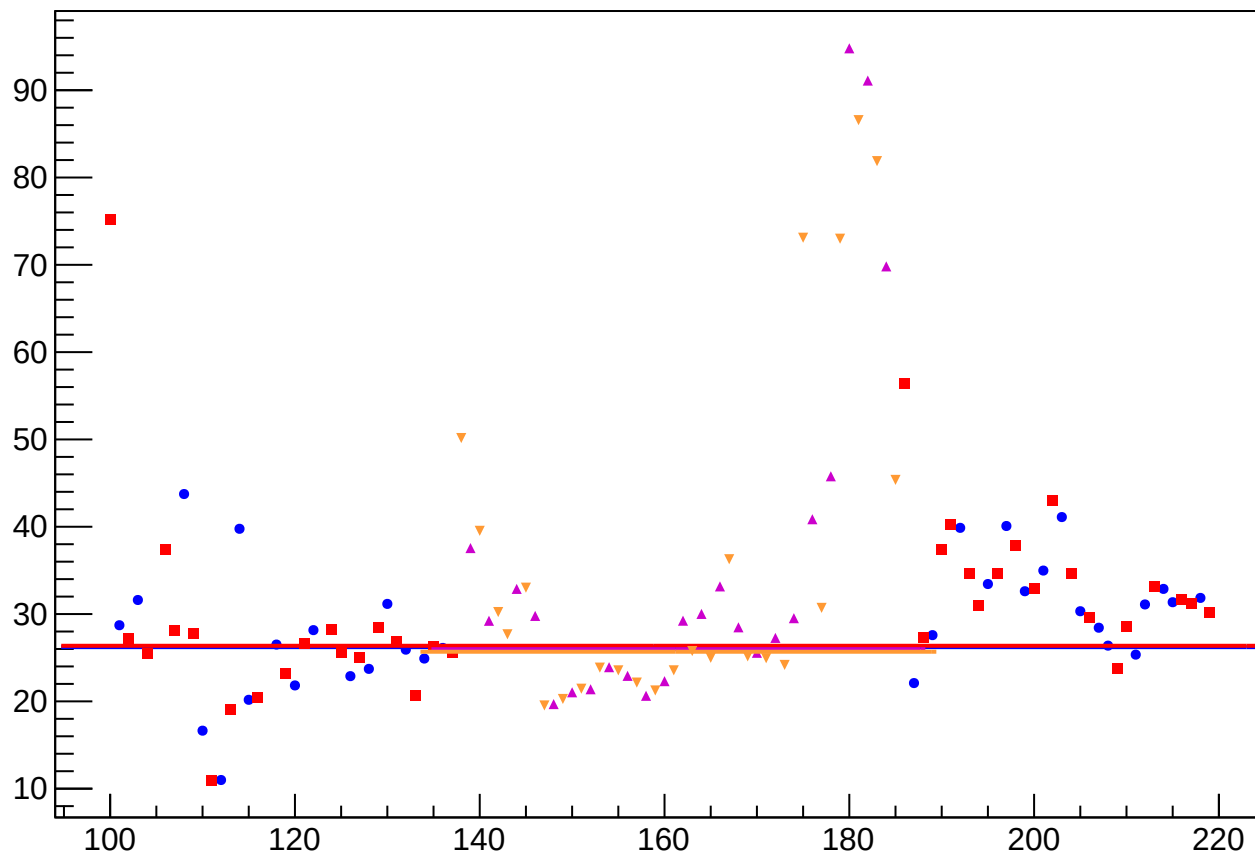
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign -0.005 ± 0.004 χ^2/NDF : 78.1/56

All: -0.011 ± 0.003 χ^2/NDF : 279.1/116

- sign -0.016 ± 0.004 χ^2/NDF : 197.9/59

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.211 $\pm$ 0.004 χ^2 /NDF: 3305678.7/31

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF: 3871541.1/24

Right Out: 26.367 $\pm$ 0.004 χ^2 /NDF: 3335014.7/36

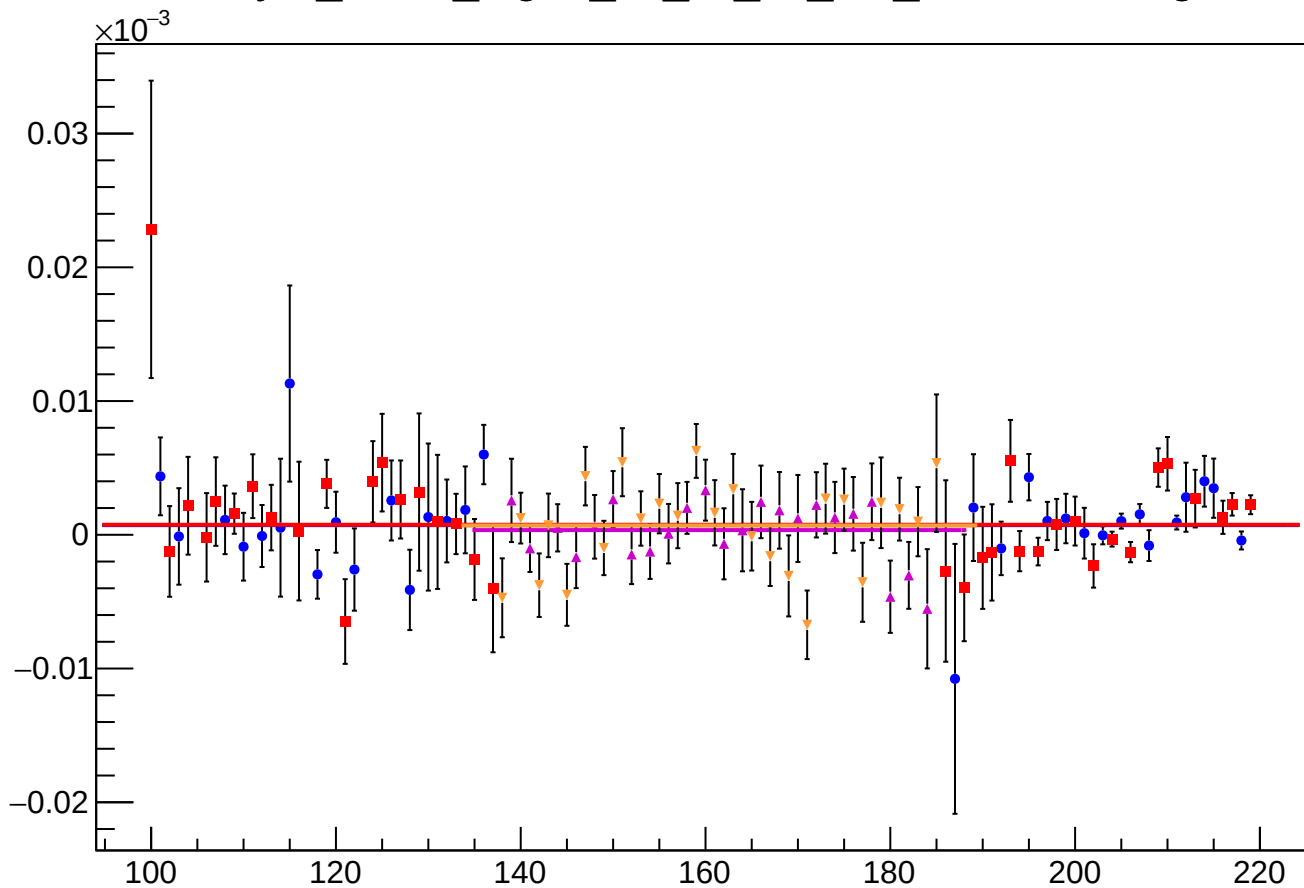
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF: 3118335.6/22

+ sign 25.956 $\pm$ 0.003 χ^2 /NDF: 7184193.7/56

All: 26.071 $\pm$ 0.002 χ^2 /NDF: 13644099.5/116

- sign 26.187 $\pm$ 0.003 χ^2 /NDF: 6457224.3/59

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 37.6/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 44.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 67.6/36

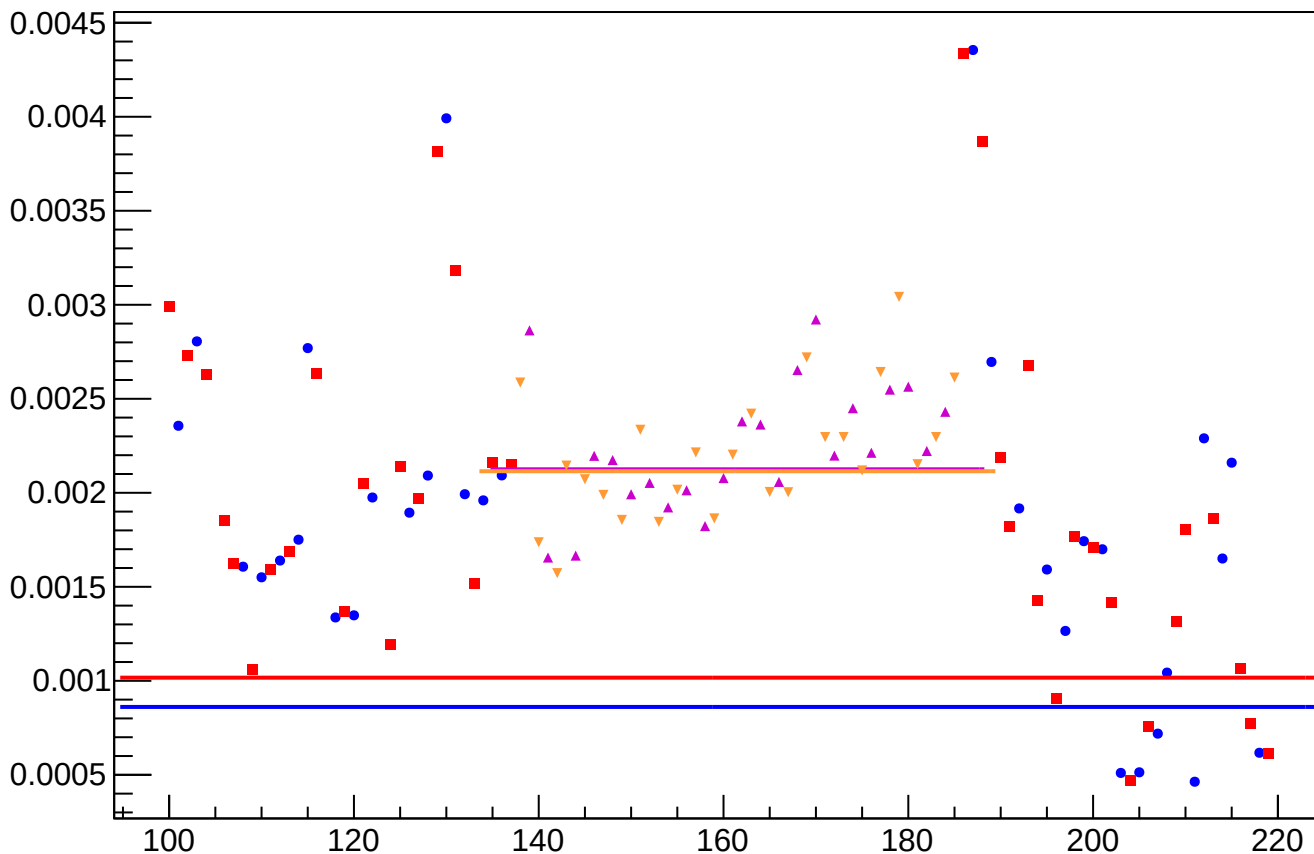
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 16.4/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 82.0/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 166.4/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 84.4/59

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 11759719.0/31

Left Out: 0.002+/-0.000 χ^2/NDF : 743658.4/24

Right Out: 0.001+/-0.000 χ^2/NDF : 10578074.4/36

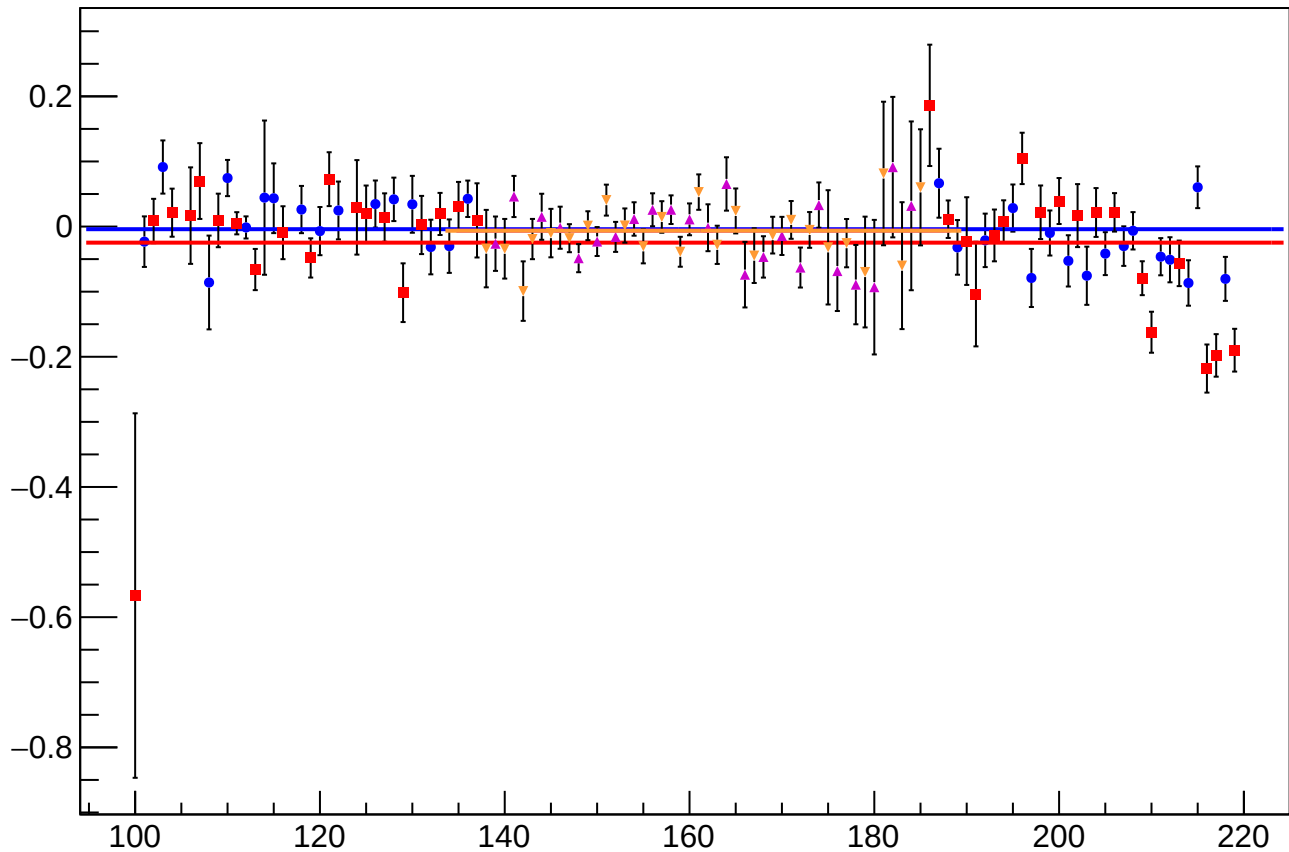
Left In: 0.002+/-0.000 χ^2/NDF : 837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF : 23270438.0/56

All: 0.001+/-0.000 χ^2/NDF : 42807544.5/116

- sign 0.001+/-0.000 χ^2/NDF : 19078078.4/59

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.006 χ^2/NDF : 55.4/31

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: -0.025 ± 0.006 χ^2/NDF : 165.3/36

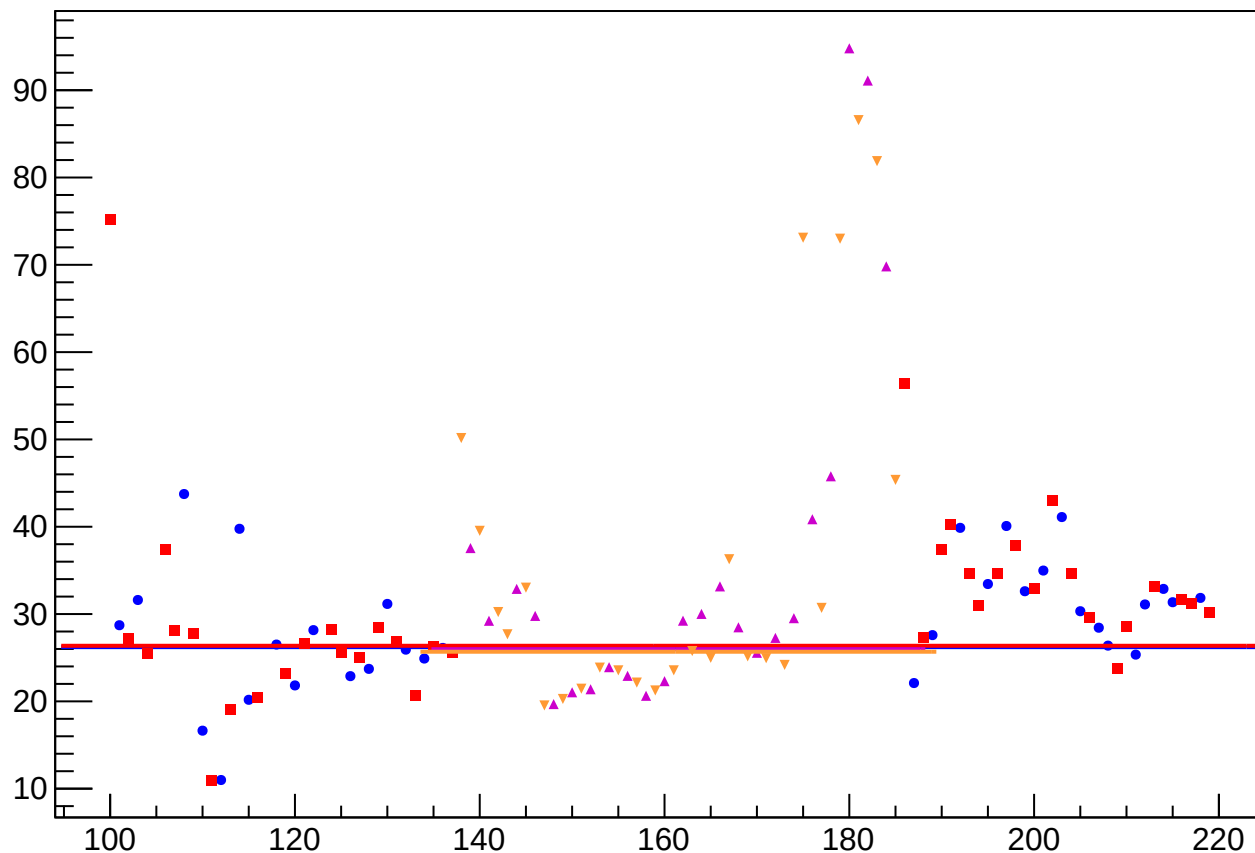
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign -0.005 ± 0.004 χ^2/NDF : 78.1/56

All: -0.011 ± 0.003 χ^2/NDF : 279.1/116

- sign -0.016 ± 0.004 χ^2/NDF : 197.9/59

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.211 $\pm$ 0.004 χ^2 /NDF: 3305969.7/31

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF: 3871544.4/24

Right Out: 26.366 $\pm$ 0.004 χ^2 /NDF: 3335317.9/36

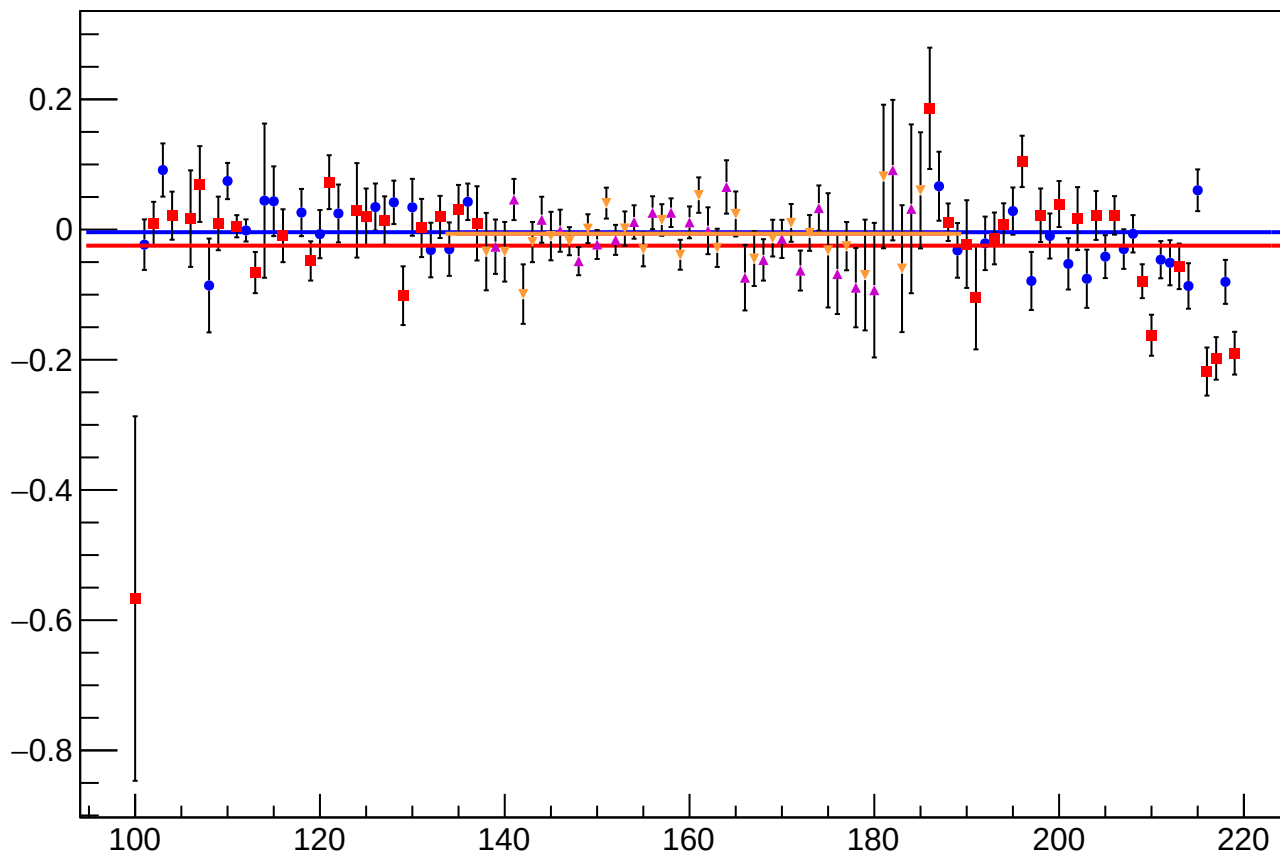
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF: 3118315.0/22

+ sign 25.956 $\pm$ 0.003 χ^2 /NDF: 7184473.8/56

All: 26.071 $\pm$ 0.002 χ^2 /NDF: 13644648.4/116

- sign 26.187 $\pm$ 0.003 χ^2 /NDF: 6457494.0/59

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.006 χ^2/NDF : 55.4/31

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: -0.025 ± 0.006 χ^2/NDF : 165.3/36

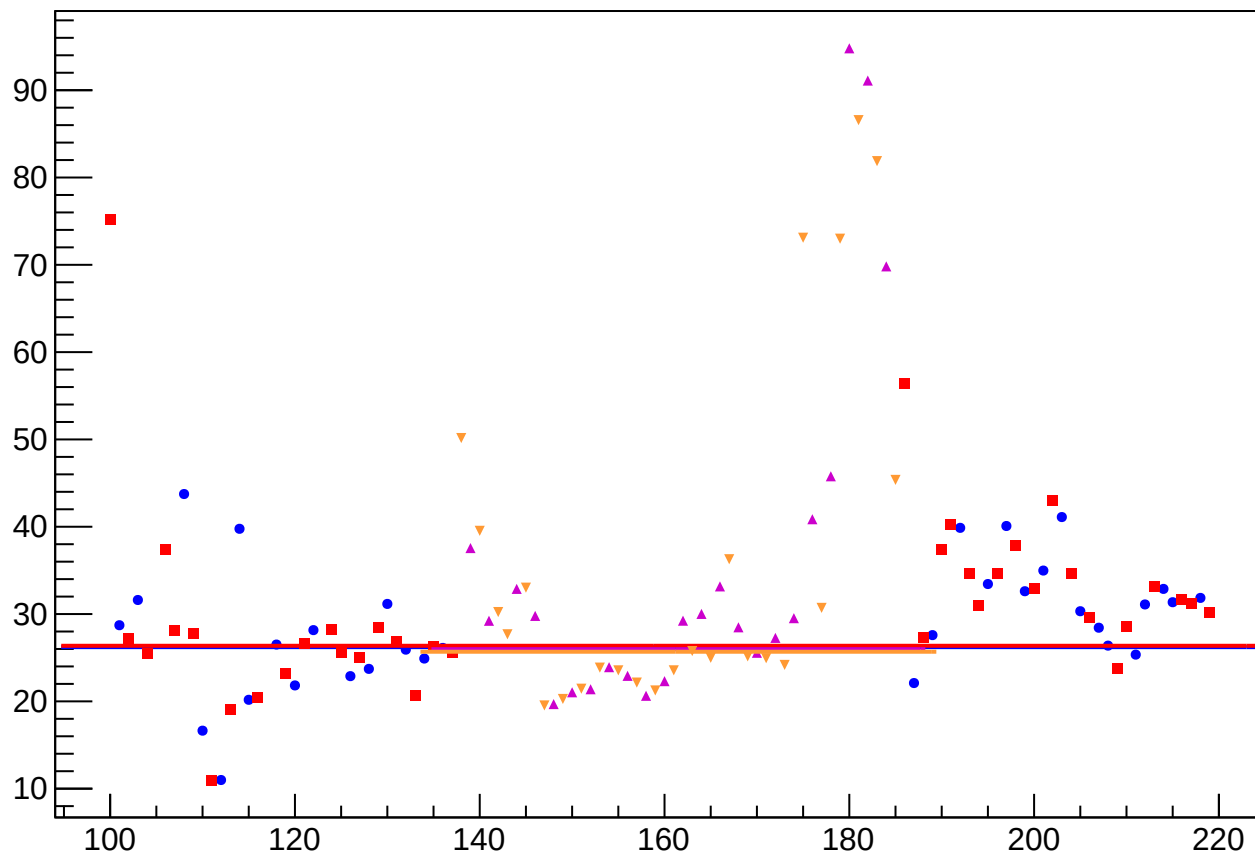
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign -0.005 ± 0.004 χ^2/NDF : 78.1/56

All: -0.011 ± 0.003 χ^2/NDF : 279.1/116

- sign -0.016 ± 0.004 χ^2/NDF : 197.9/59

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.211 $\pm$ 0.004 χ^2 /NDF: 3305969.7/31

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF: 3871544.4/24

Right Out: 26.366 $\pm$ 0.004 χ^2 /NDF: 3335317.9/36

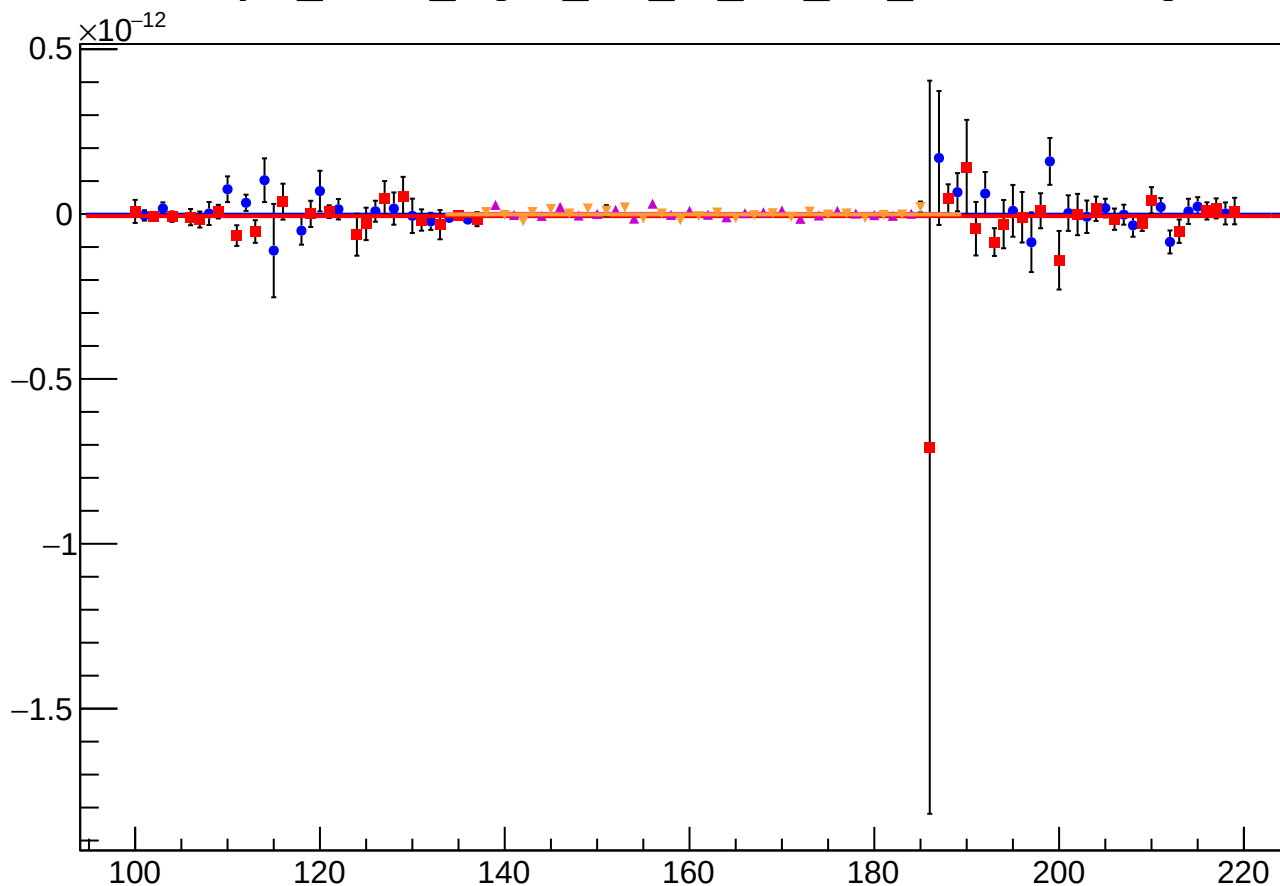
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF: 3118315.0/22

+ sign 25.956 $\pm$ 0.003 χ^2 /NDF: 7184473.8/56

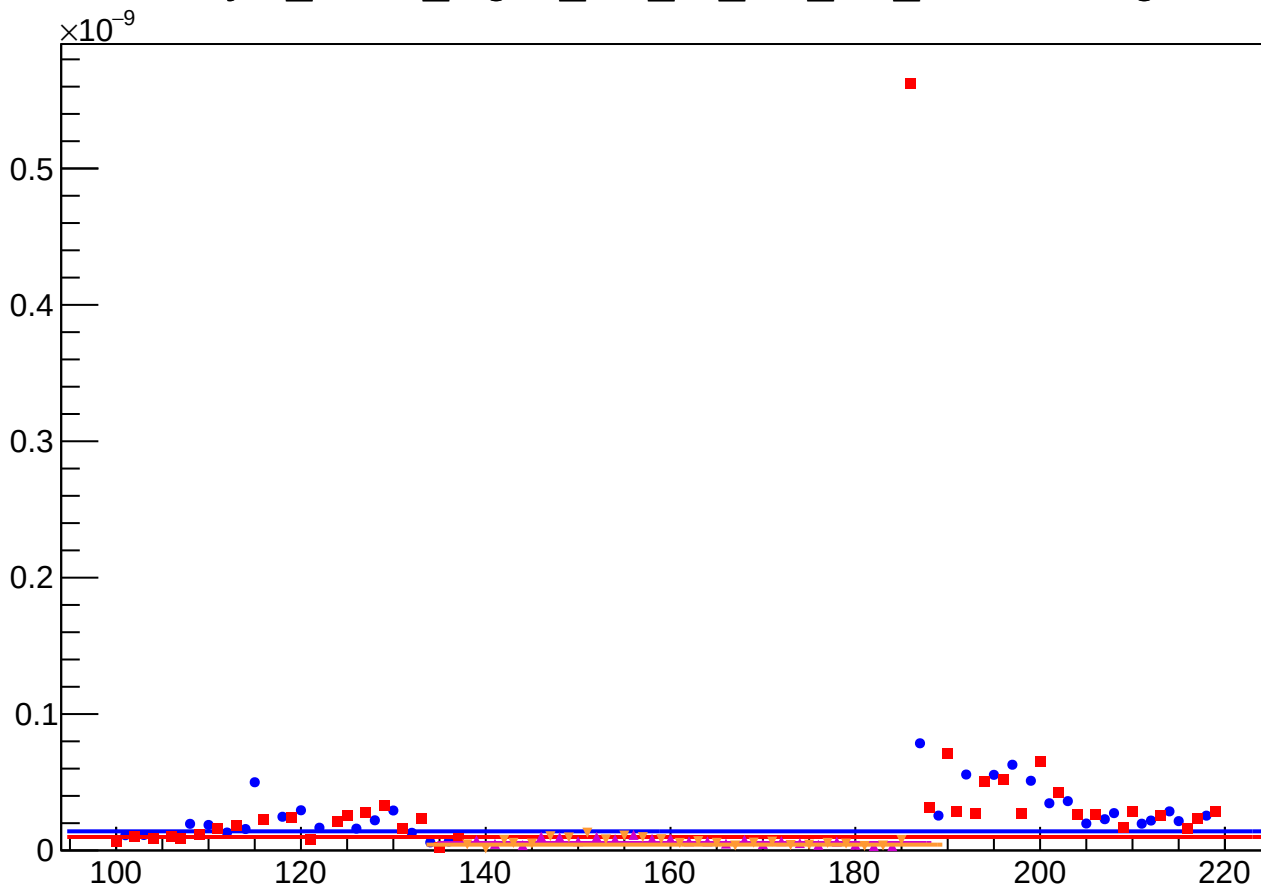
All: 26.071 $\pm$ 0.002 χ^2 /NDF: 13644648.4/116

- sign 26.187 $\pm$ 0.003 χ^2 /NDF: 6457494.0/59

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7733493.3/31

Left Out: 0.000+/-0.000 χ^2/NDF : 5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12412252.2/36

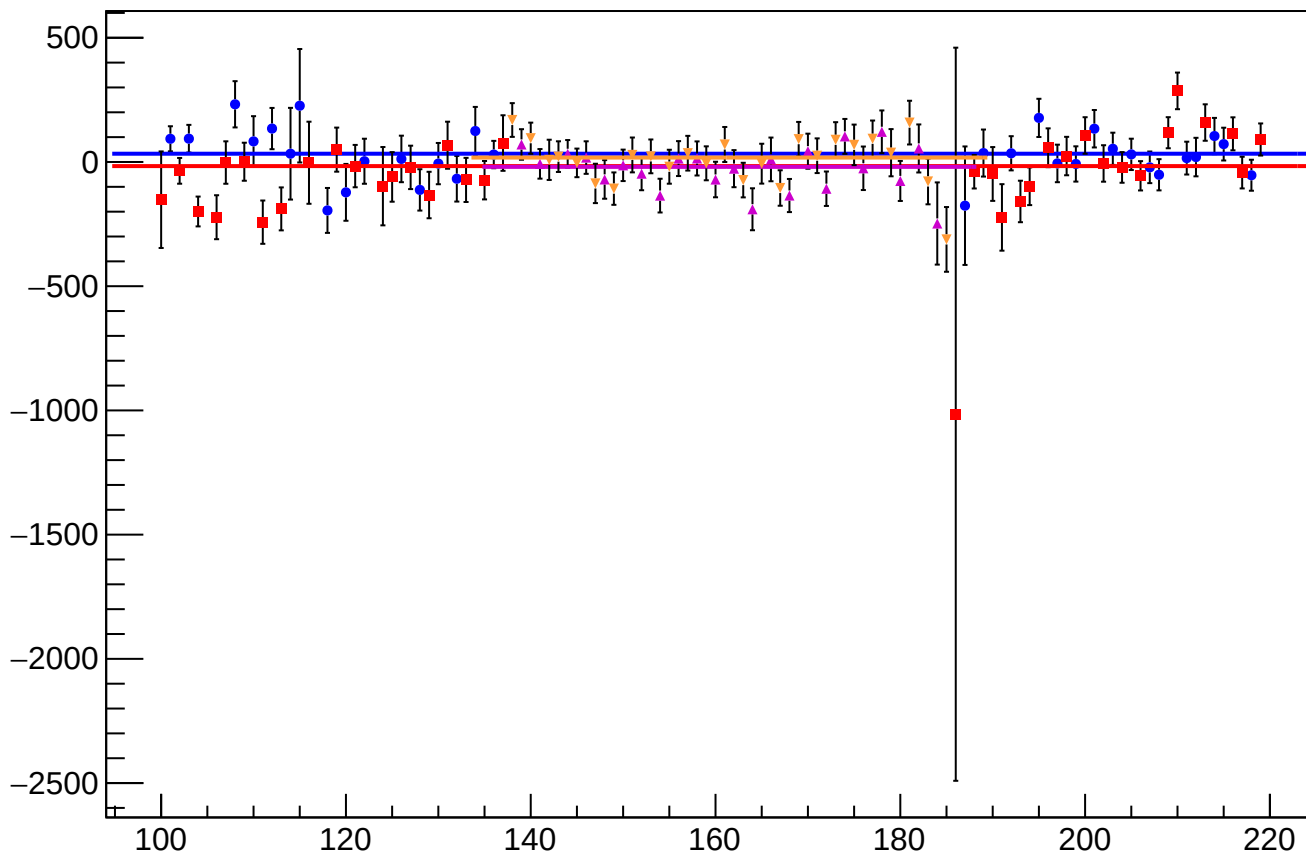
Left In: 0.000+/-0.000 χ^2/NDF : 2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 20713544.9/56

All: 0.000+/-0.000 χ^2/NDF : 38643068.4/116

- sign 0.000+/-0.000 χ^2/NDF : 17333398.9/59

reg_asym_sam_15_avg_mean vs Slug



Right In: 33.277 ± 13.461 χ^2/NDF : 36.0/31

Left Out: 17.800 ± 14.495 χ^2/NDF : 31.6/24

Right Out: -16.557 ± 13.109 χ^2/NDF : 76.5/36

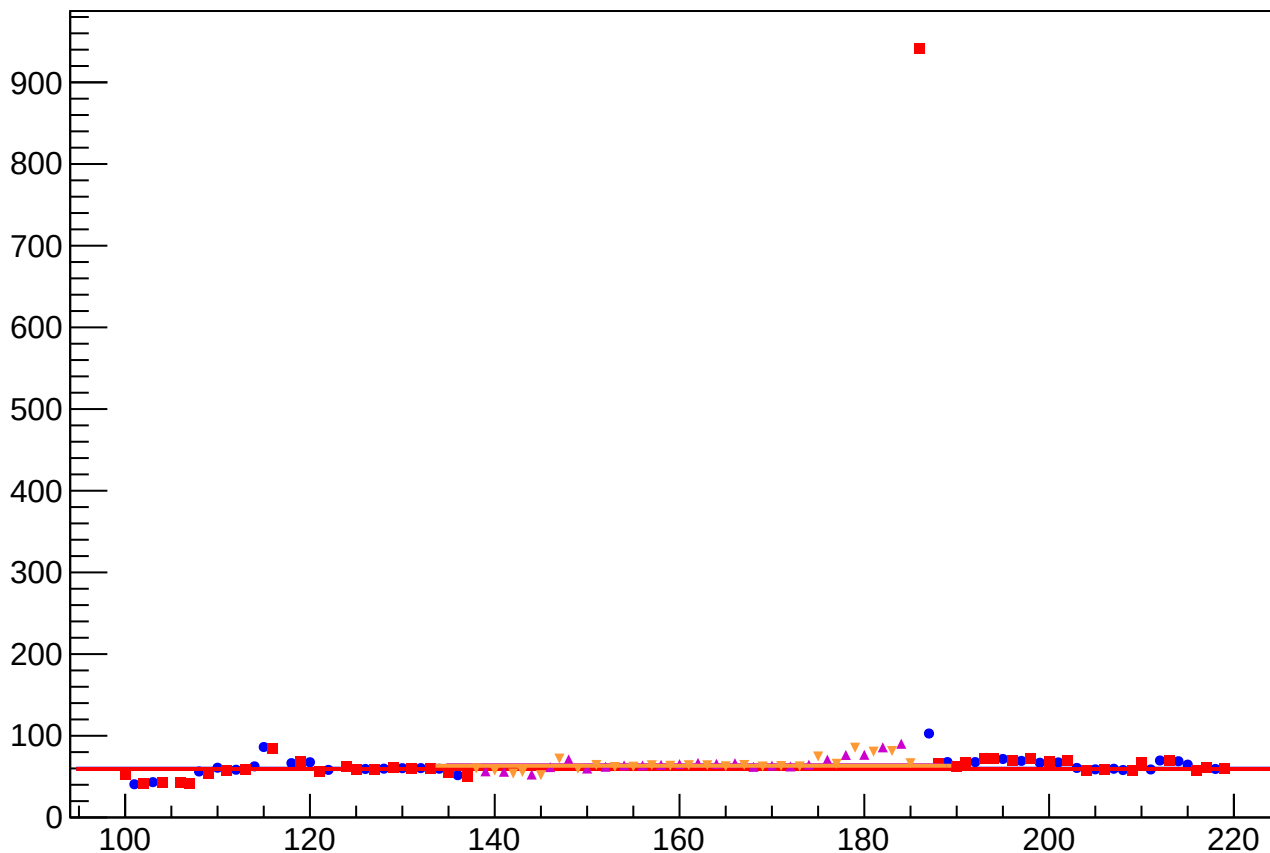
Left In: -19.642 ± 15.040 χ^2/NDF : 26.2/22

+ sign 26.110 ± 9.864 χ^2/NDF : 68.2/56

All: 4.151 ± 6.981 χ^2/NDF : 180.9/116

- sign -17.889 ± 9.882 χ^2/NDF : 102.8/59

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.664 $\pm$ 0.010 χ^2 /NDF: 862487.8/31

Left Out: 63.312 $\pm$ 0.010 χ^2 /NDF: 497429.6/24

Right Out: 59.312 $\pm$ 0.009 χ^2 /NDF: 1719337.9/36

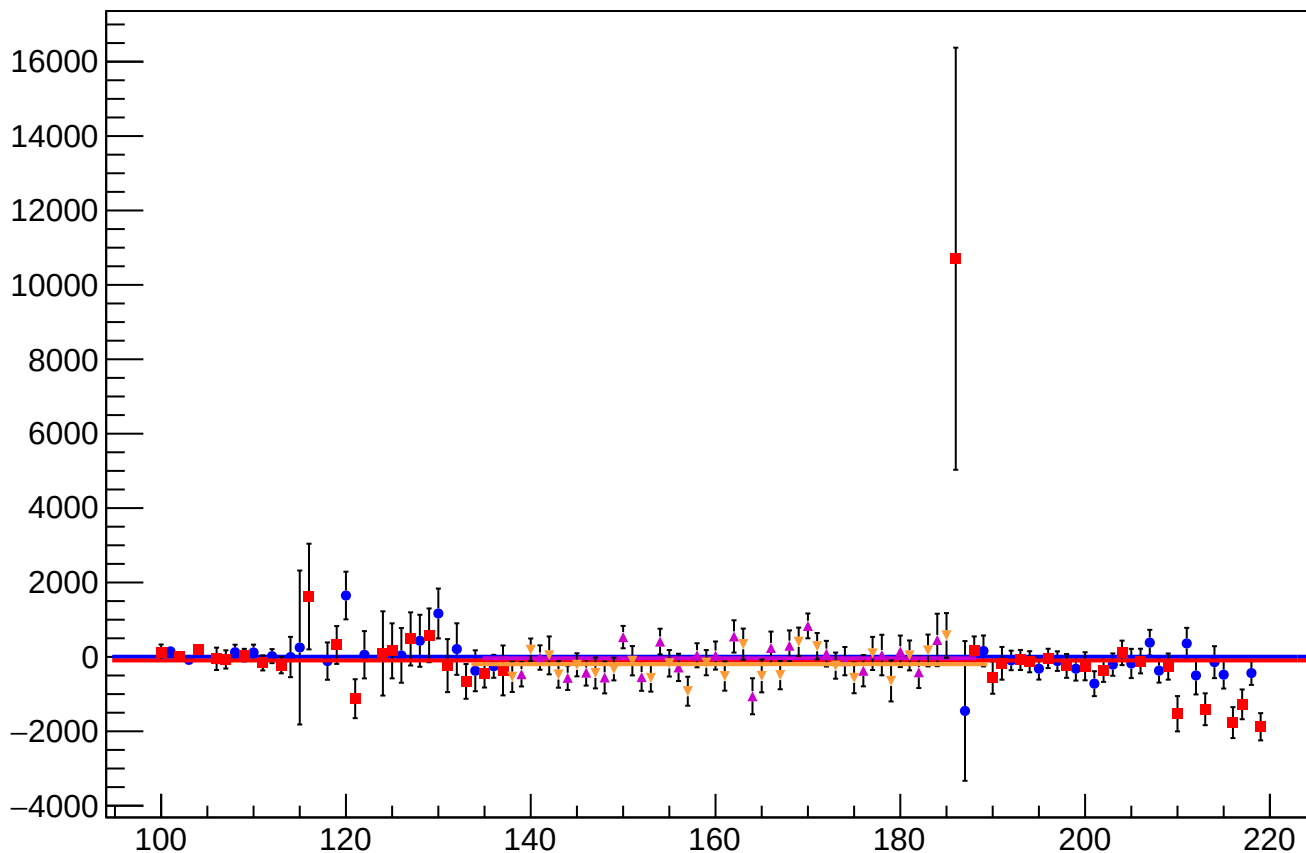
Left In: 63.918 $\pm$ 0.011 χ^2 /NDF: 445309.5/22

+ sign 61.353 $\pm$ 0.007 χ^2 /NDF: 1427956.2/56

All: 61.327 $\pm$ 0.005 χ^2 /NDF: 3699236.6/116

- sign 61.301 $\pm$ 0.007 χ^2 /NDF: 2271251.7/59

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 4.432 ± 40.962 χ^2/NDF : 34.1/31

Left Out: -195.947 ± 77.088 χ^2/NDF : 20.6/24

Right Out: -95.748 ± 43.111 χ^2/NDF : 98.3/36

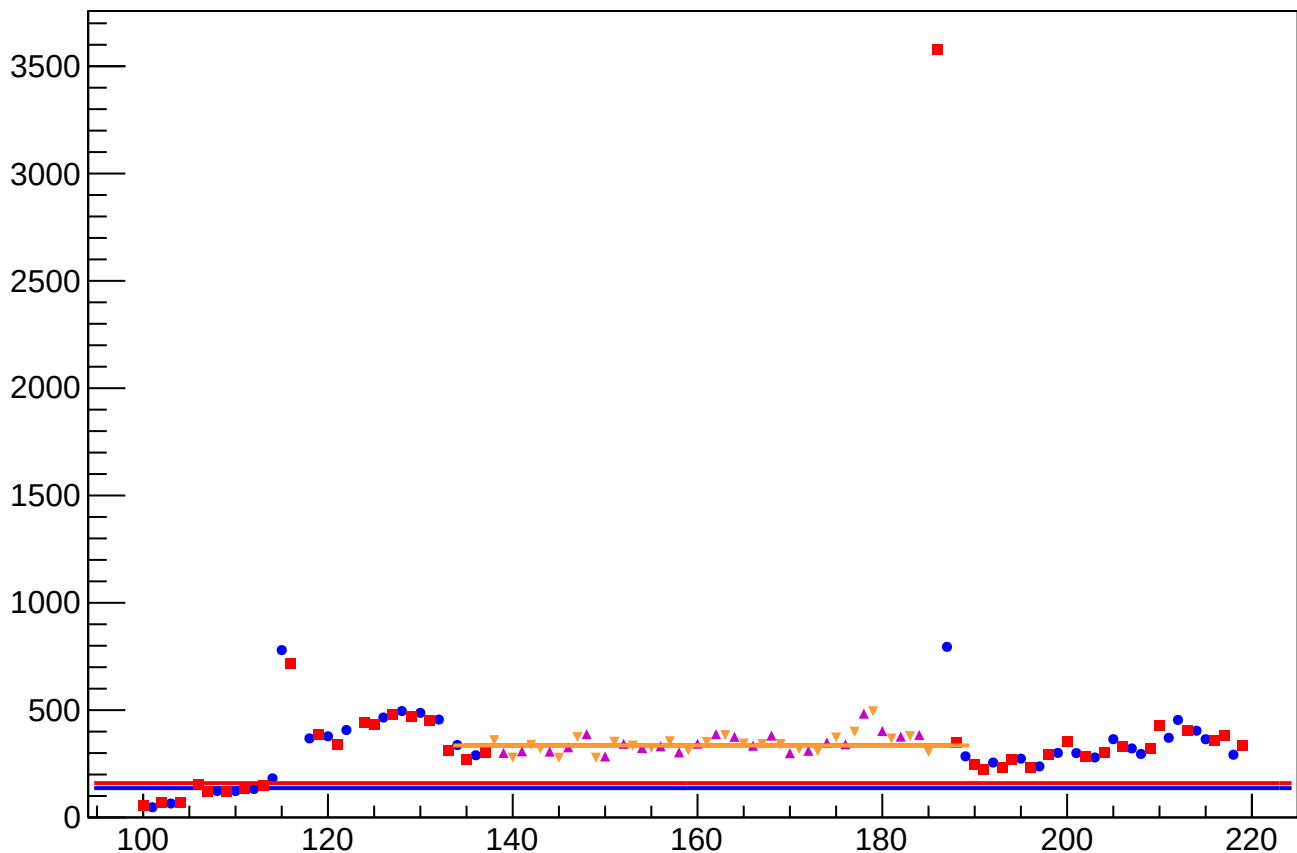
Left In: -36.417 ± 79.210 χ^2/NDF : 31.1/22

+ sign -39.689 ± 36.173 χ^2/NDF : 60.0/56

All: -59.967 ± 26.156 χ^2/NDF : 190.4/116

- sign -82.189 ± 37.866 χ^2/NDF : 129.8/59

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 136.676+/-0.029 χ^2/NDF : 17022704.2/31

Left Out: 335.271+/-0.055 χ^2/NDF : 563801.0/24

Right Out: 159.890+/-0.030 χ^2/NDF : 14813115.4/36

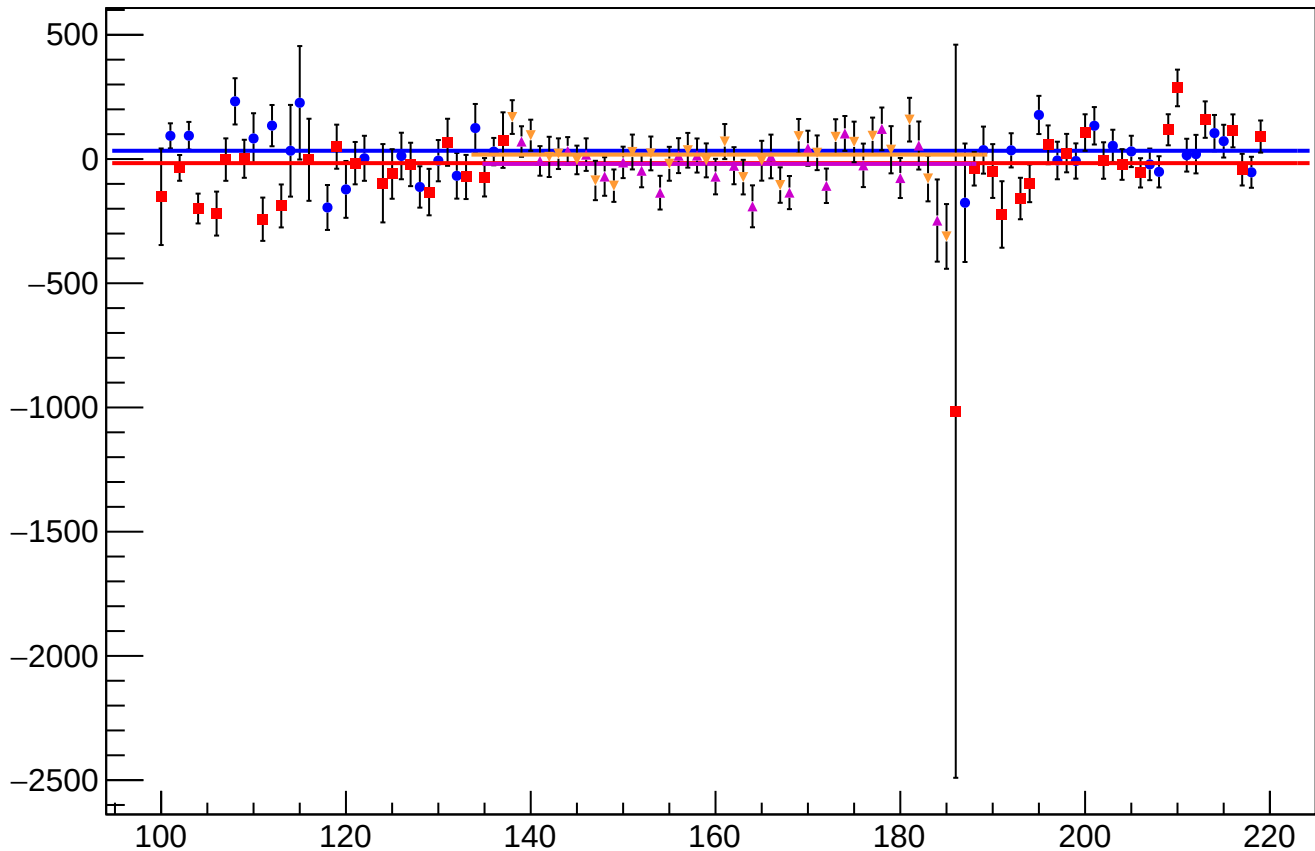
Left In: 335.526+/-0.056 χ^2/NDF : 495163.6/22

+ sign 180.404+/-0.026 χ^2/NDF : 27937508.1/56

All: 189.767+/-0.018 χ^2/NDF : 51112753.3/11

- sign 200.028+/-0.027 χ^2/NDF : 22894379.1/59

cor_asym_sam_15_avg_mean vs Slug



Right In: 33.282 ± 13.461 χ^2/NDF : 36.0/31

Left Out: 17.804 ± 14.495 χ^2/NDF : 31.6/24

Right Out: -16.495 ± 13.109 χ^2/NDF : 76.3/36

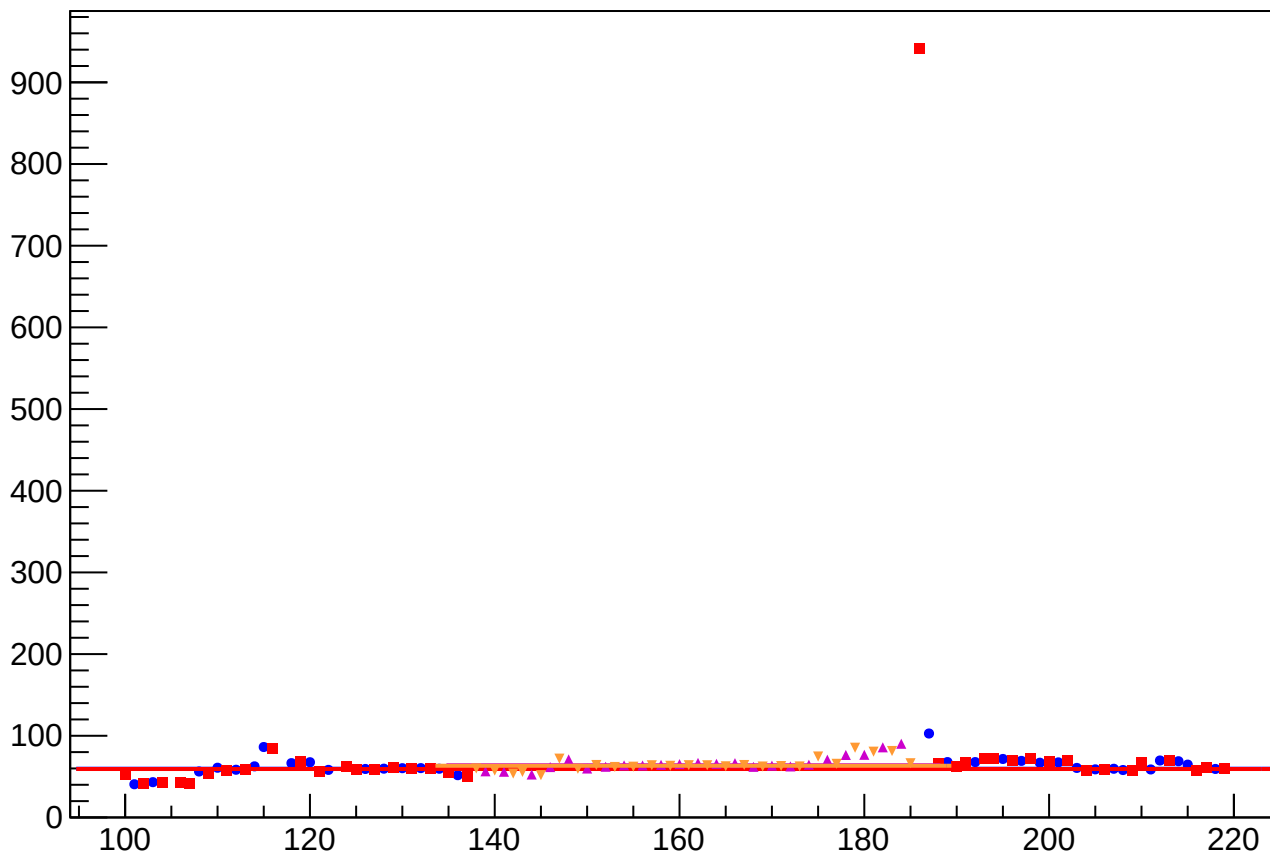
Left In: -19.642 ± 15.040 χ^2/NDF : 26.2/22

+ sign 26.115 ± 9.864 χ^2/NDF : 68.2/56

All: 4.172 ± 6.981 χ^2/NDF : 180.7/116

- sign -17.853 ± 9.882 χ^2/NDF : 102.6/59

cor_asym_sam_15_avg_rms vs Slug



Right In: 59.664 $\pm$ 0.010 χ^2 /NDF: 862486.7/31

Left Out: 63.312 $\pm$ 0.010 χ^2 /NDF: 497429.6/24

Right Out: 59.311 $\pm$ 0.009 χ^2 /NDF: 1719762.8/36

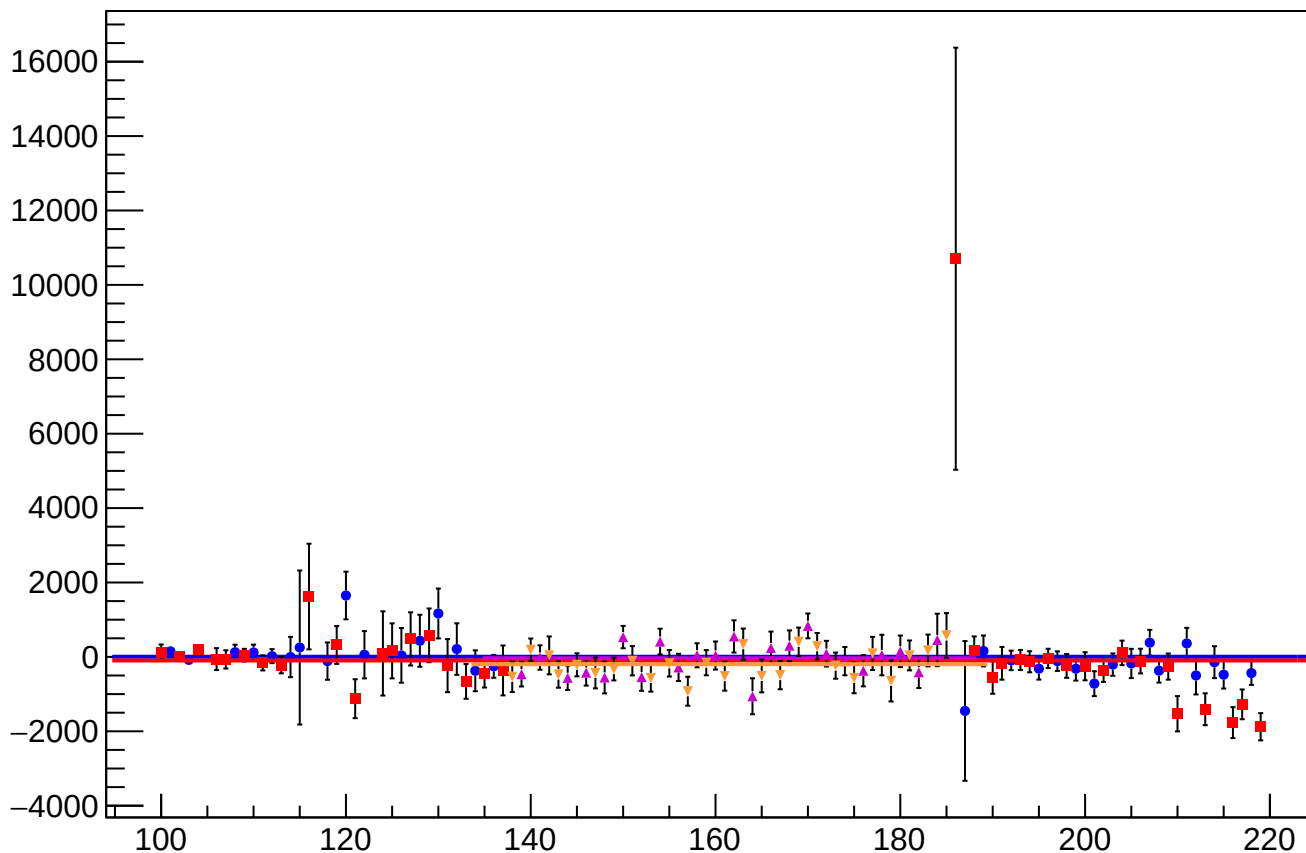
Left In: 63.918 $\pm$ 0.011 χ^2 /NDF: 445309.5/22

+ sign 61.353 $\pm$ 0.007 χ^2 /NDF: 1427955.1/56

All: 61.327 $\pm$ 0.005 χ^2 /NDF: 3699685.0/116

- sign 61.300 $\pm$ 0.007 χ^2 /NDF: 2271701.0/59

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 4.437 ± 40.962 χ^2/NDF : 34.1/31

Left Out: -195.942 ± 77.088 χ^2/NDF : 20.6/24

Right Out: -95.920 ± 43.084 χ^2/NDF : 98.2/36

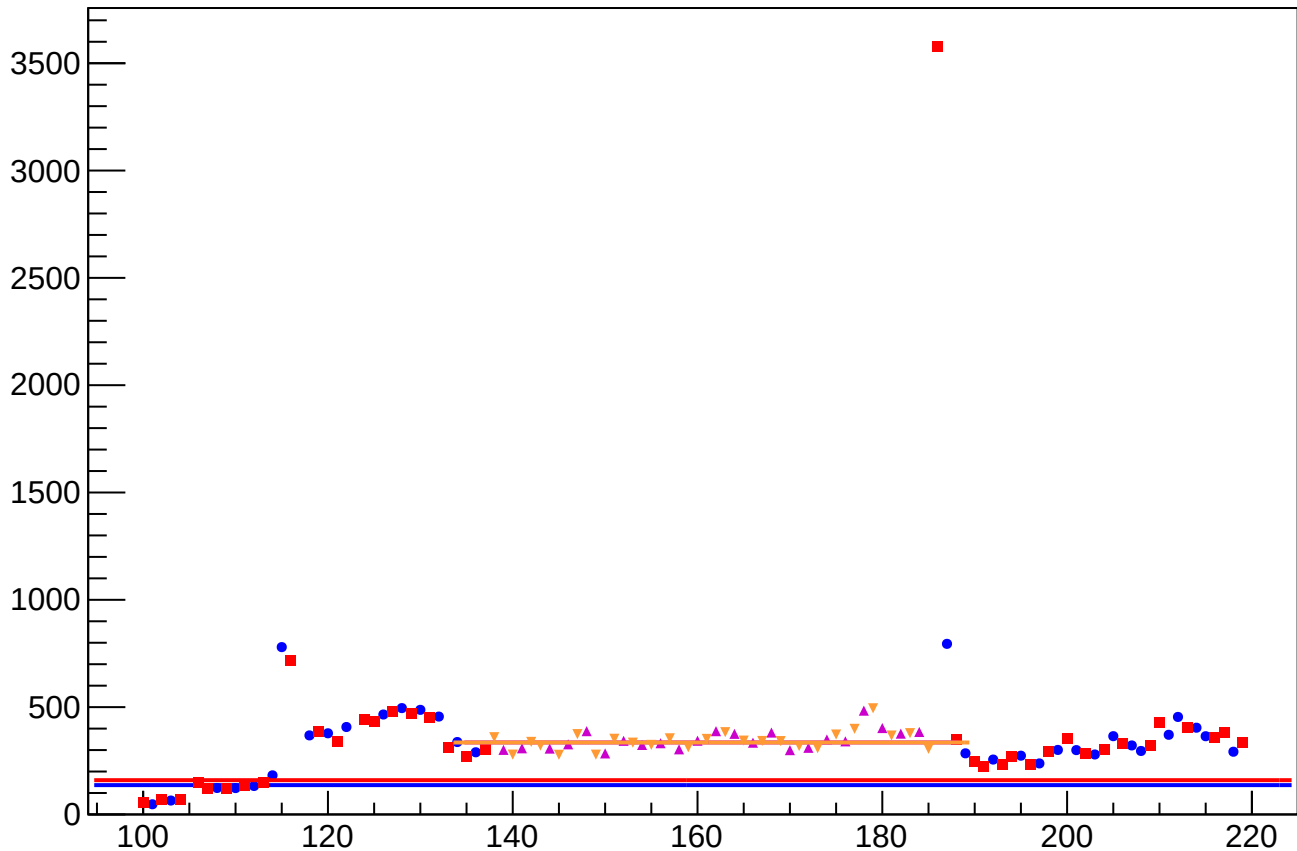
Left In: -36.414 ± 79.210 χ^2/NDF : 31.1/22

+ sign -39.682 ± 36.172 χ^2/NDF : 60.0/56

All: -60.043 ± 26.150 χ^2/NDF : 190.4/116

- sign -82.334 ± 37.848 χ^2/NDF : 129.8/59

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 136.673+/-0.029 χ^2/NDF : 17023107.0/31

Left Out: 335.271+/-0.055 χ^2/NDF : 563797.0/24

Right Out: 159.694+/-0.030 χ^2/NDF : 14823253.4/36

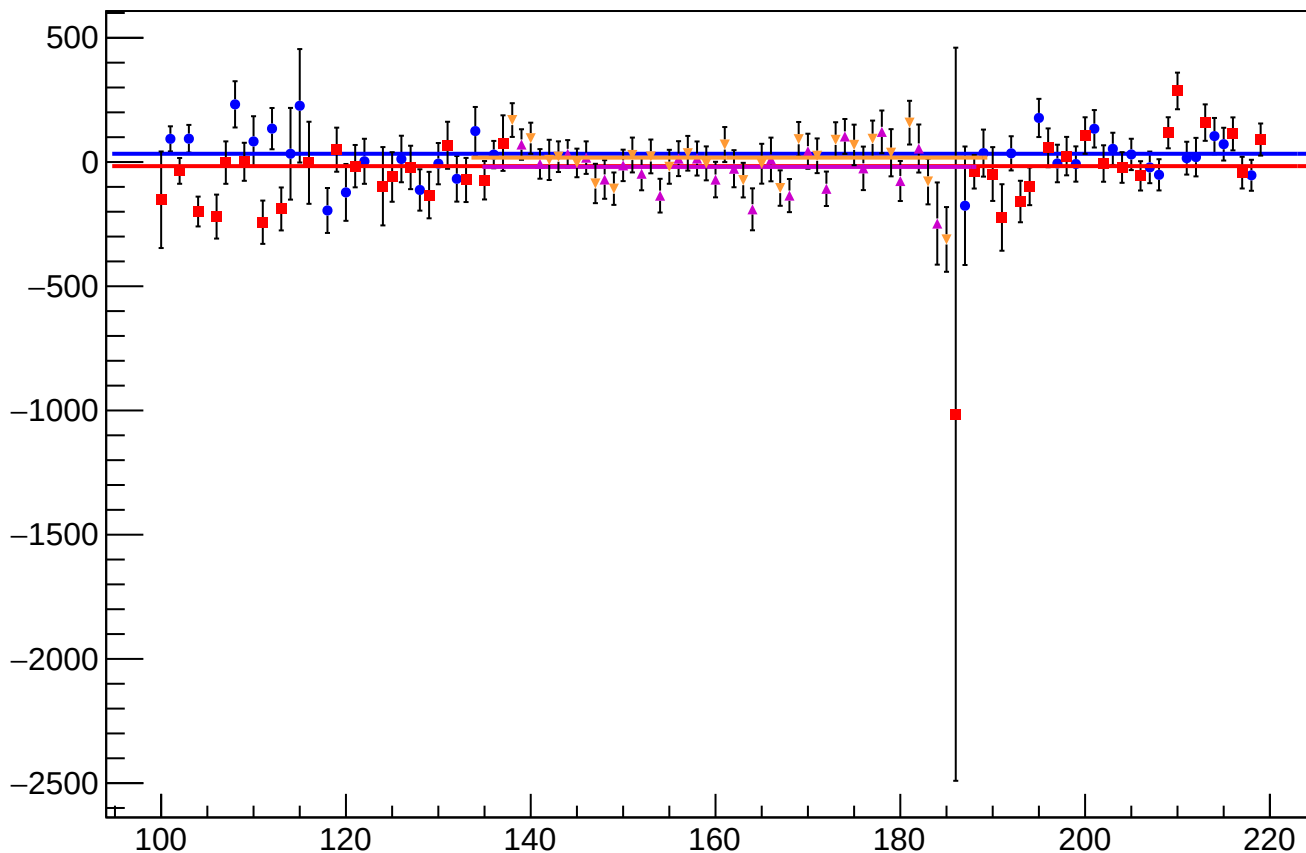
Left In: 335.526+/-0.056 χ^2/NDF : 495170.0/22

+ sign 180.400+/-0.026 χ^2/NDF : 27938369.4/56

All: 189.679+/-0.018 χ^2/NDF : 51137685.7/11

- sign 199.838+/-0.027 χ^2/NDF : 22923600.2/59

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 33.282 ± 13.461 χ^2/NDF : 36.0/31

Left Out: 17.804 ± 14.495 χ^2/NDF : 31.6/24

Right Out: -16.495 ± 13.109 χ^2/NDF : 76.3/36

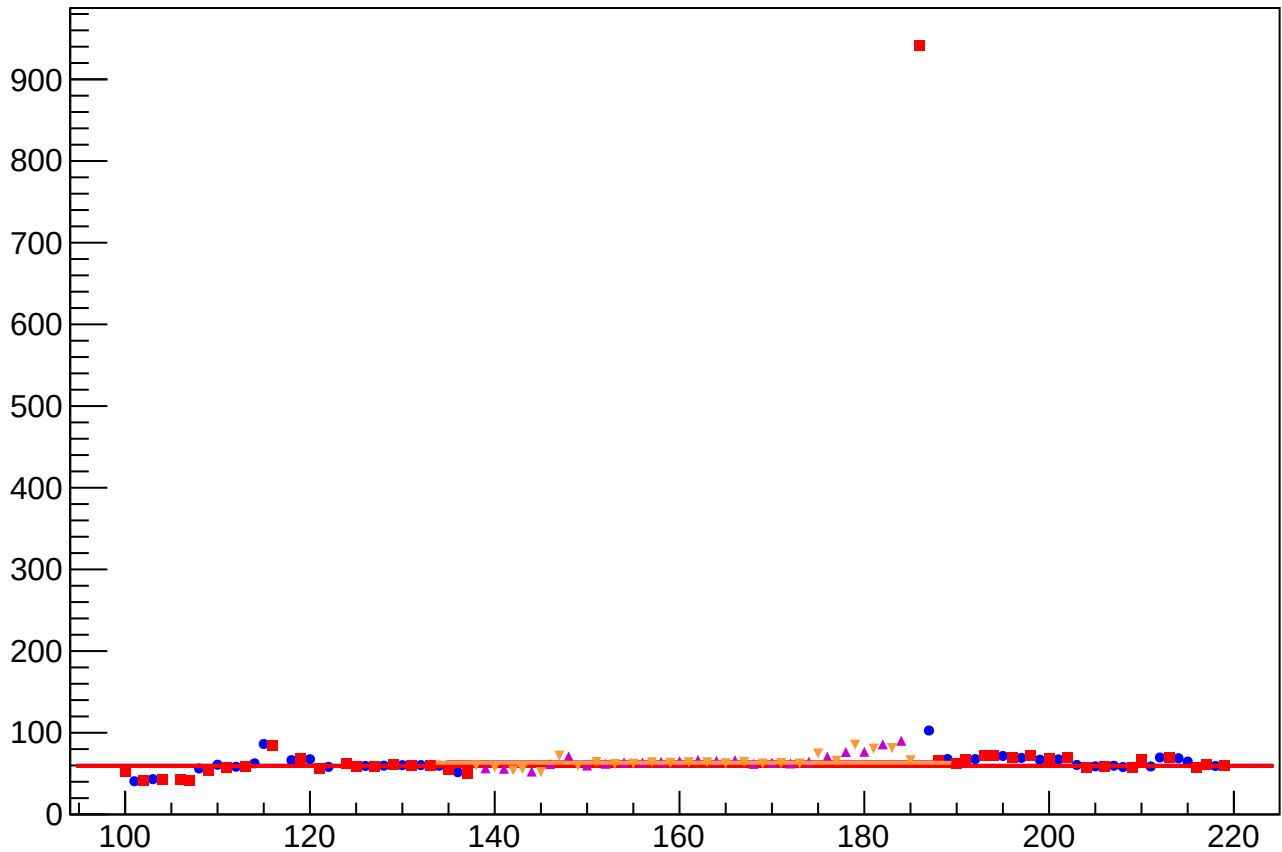
Left In: -19.642 ± 15.040 χ^2/NDF : 26.2/22

+ sign 26.115 ± 9.864 χ^2/NDF : 68.2/56

All: 4.172 ± 6.981 χ^2/NDF : 180.7/116

- sign -17.853 ± 9.882 χ^2/NDF : 102.6/59

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 59.664 $\pm$ 0.010 χ^2 /NDF: 862486.7/31

Left Out: 63.312 $\pm$ 0.010 χ^2 /NDF: 497429.6/24

Right Out: 59.311 $\pm$ 0.009 χ^2 /NDF: 1719762.8/36

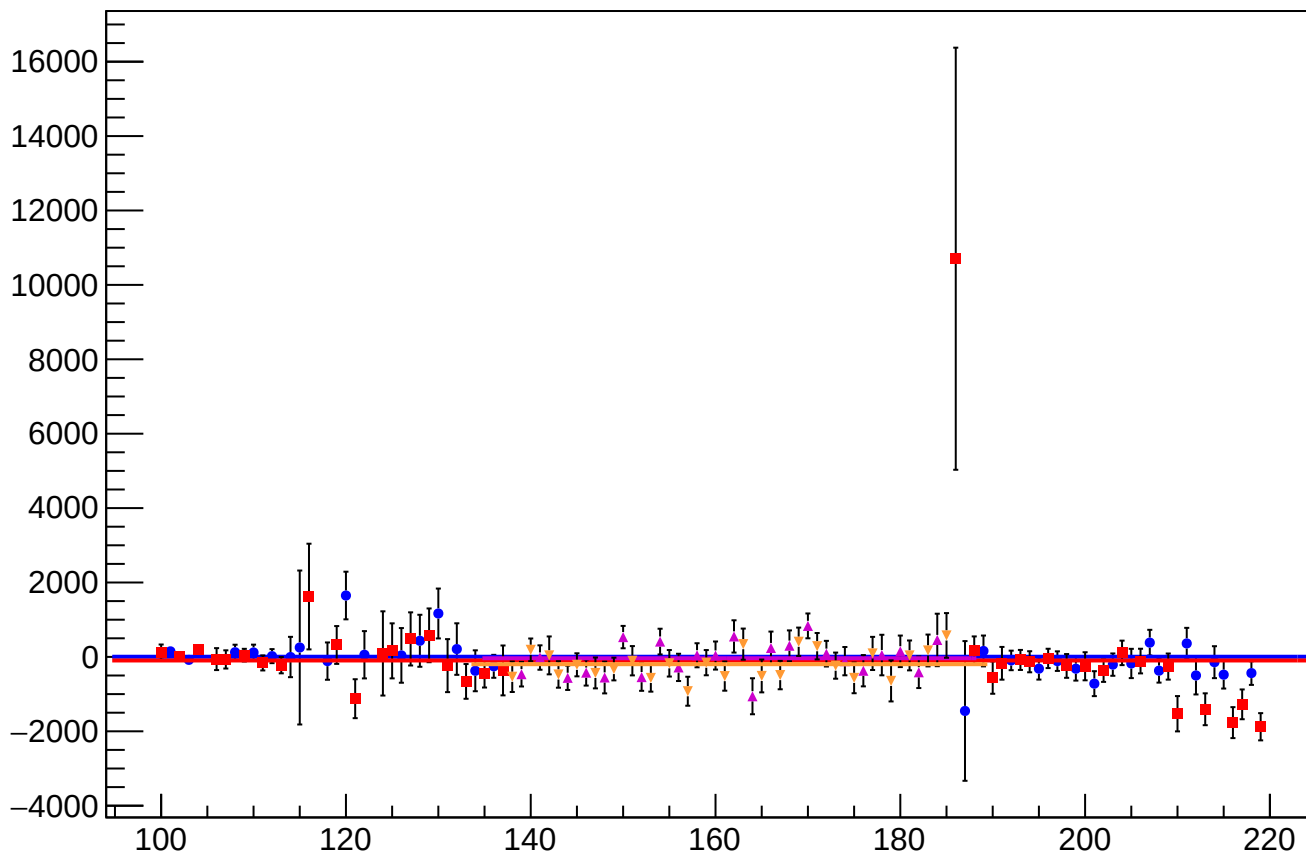
Left In: 63.918 $\pm$ 0.011 χ^2 /NDF: 445309.5/22

+ sign 61.353 $\pm$ 0.007 χ^2 /NDF: 1427955.1/56

All: 61.327 $\pm$ 0.005 χ^2 /NDF: 3699685.0/116

- sign 61.300 $\pm$ 0.007 χ^2 /NDF: 2271701.0/59

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 4.437 ± 40.962 χ^2/NDF : 34.1/31

Left Out: -195.942 ± 77.088 χ^2/NDF : 20.6/24

Right Out: -95.920 ± 43.084 χ^2/NDF : 98.2/36

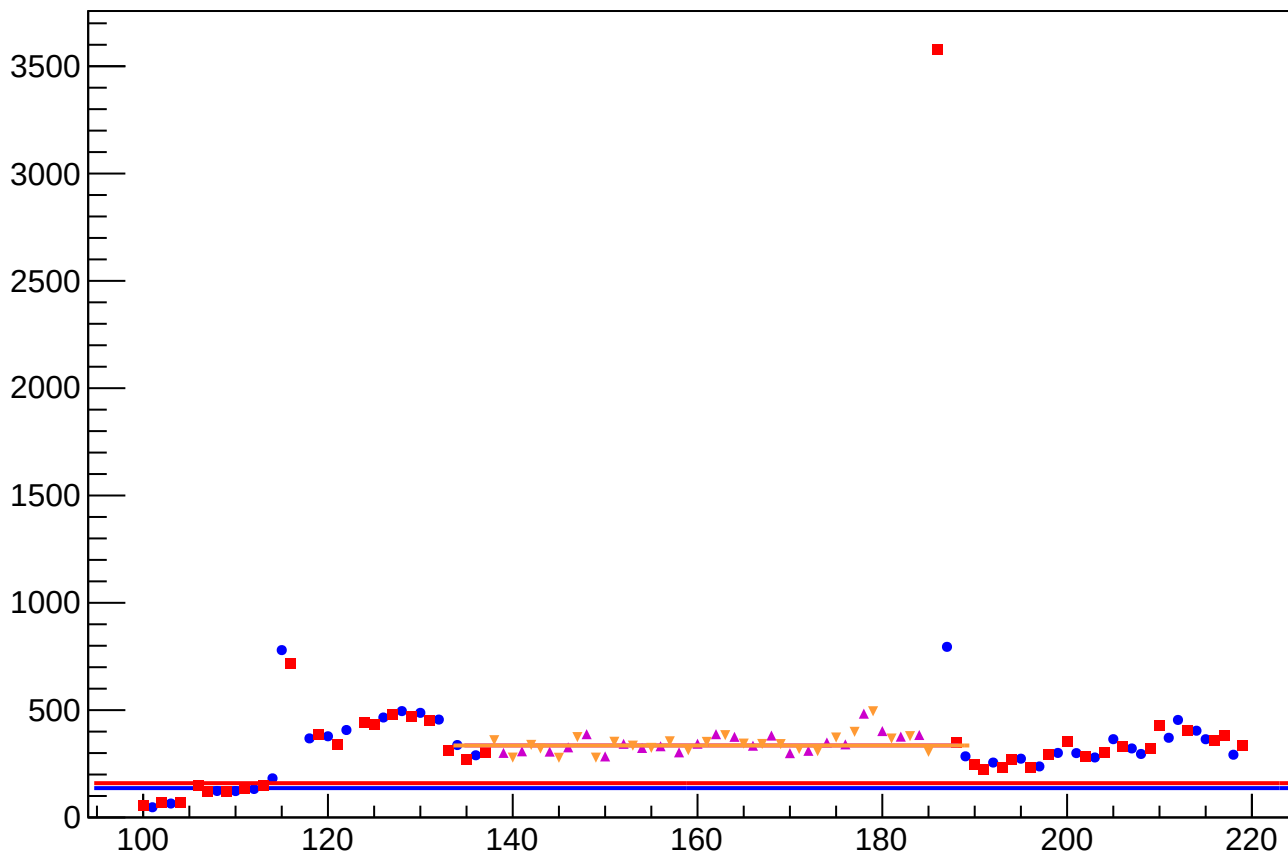
Left In: -36.414 ± 79.210 χ^2/NDF : 31.1/22

+ sign -39.682 ± 36.172 χ^2/NDF : 60.0/56

All: -60.043 ± 26.150 χ^2/NDF : 190.4/116

- sign -82.334 ± 37.848 χ^2/NDF : 129.8/59

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 136.673+/-0.029 χ^2/NDF : 17023107.0/31

Left Out: 335.271+/-0.055 χ^2/NDF : 563797.0/24

Right Out: 159.694+/-0.030 χ^2/NDF : 14823253.4/36

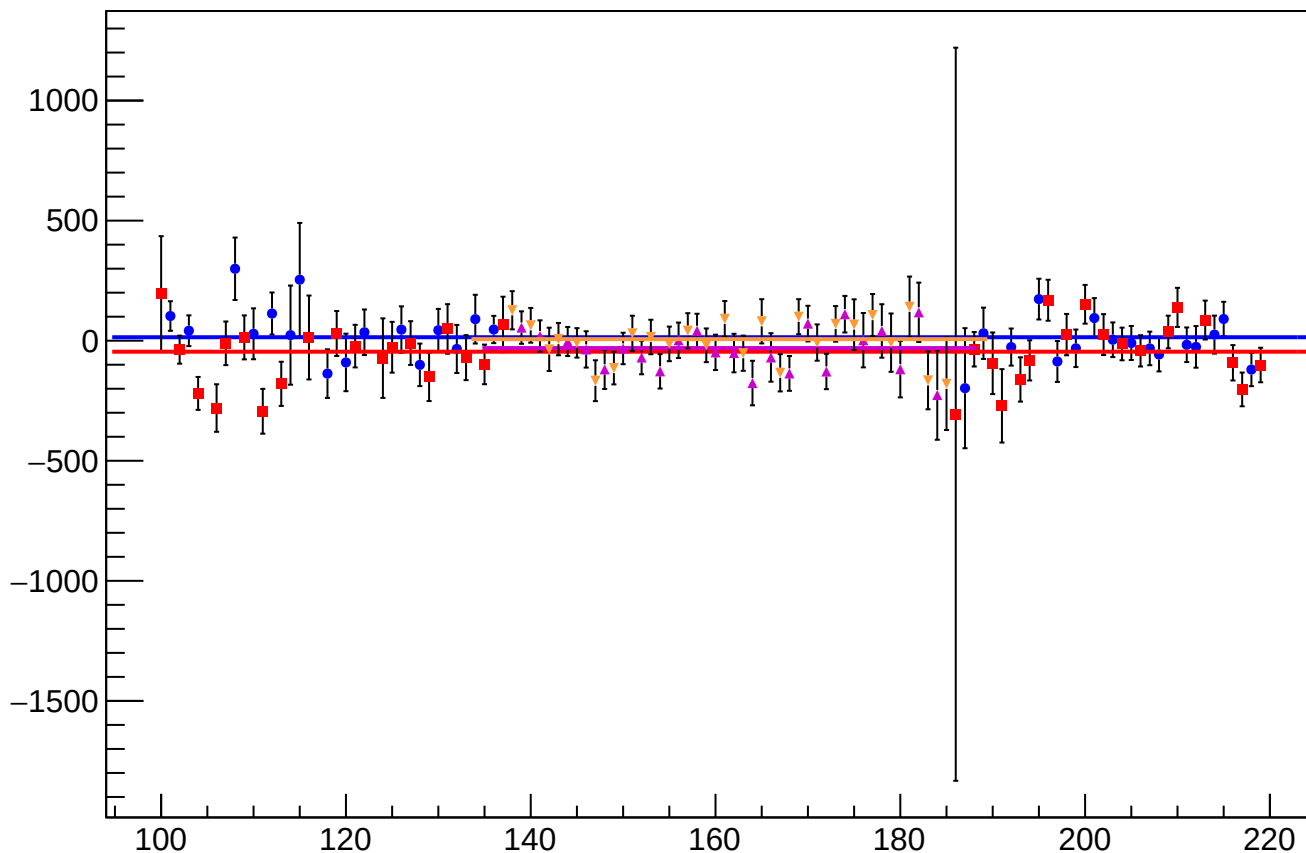
Left In: 335.526+/-0.056 χ^2/NDF : 495170.0/22

+ sign 180.400+/-0.026 χ^2/NDF : 27938369.4/56

All: 189.679+/-0.018 χ^2/NDF : 51137685.7/11

- sign 199.838+/-0.027 χ^2/NDF : 22923600.2/59

dit_asym_sam_15_avg_mean vs Slug



Right In: 14.462 ± 14.879 χ^2/NDF : 29.6/31

Left Out: 6.469 ± 15.977 χ^2/NDF : 25.1/24

Right Out: -45.785 ± 14.398 χ^2/NDF : 60.5/36

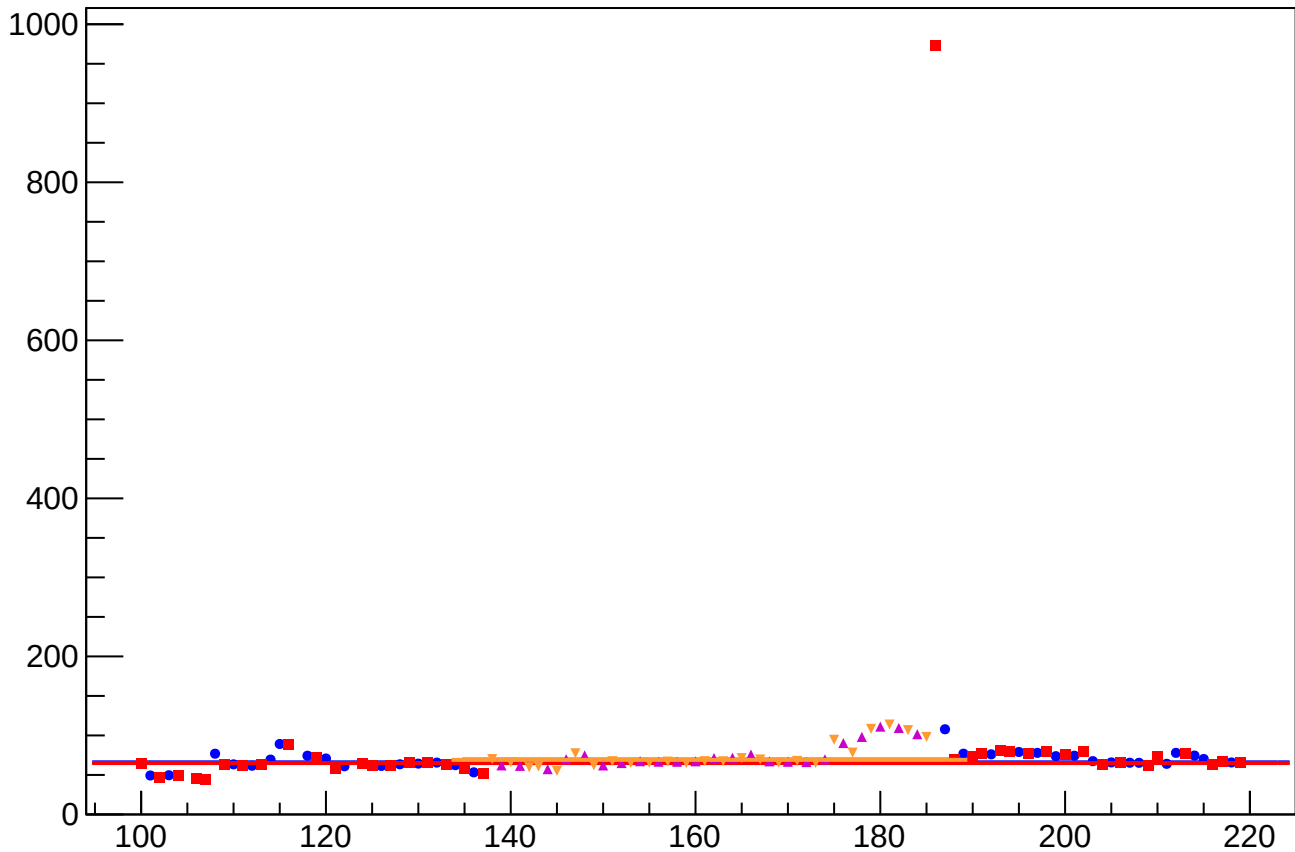
Left In: -30.662 ± 16.503 χ^2/NDF : 22.5/22

+ sign 10.750 ± 10.889 χ^2/NDF : 54.8/56

All: -14.340 ± 7.686 χ^2/NDF : 148.8/116

- sign -39.249 ± 10.849 χ^2/NDF : 83.4/59

dit_asym_sam_15_avg_rms vs Slug



Right In: 65.962 $\pm$ 0.011 χ^2 /NDF: 757672.1/31

Left Out: 69.078 $\pm$ 0.011 χ^2 /NDF: 1074001.6/24

Right Out: 65.045 $\pm$ 0.010 χ^2 /NDF: 1712576.2/36

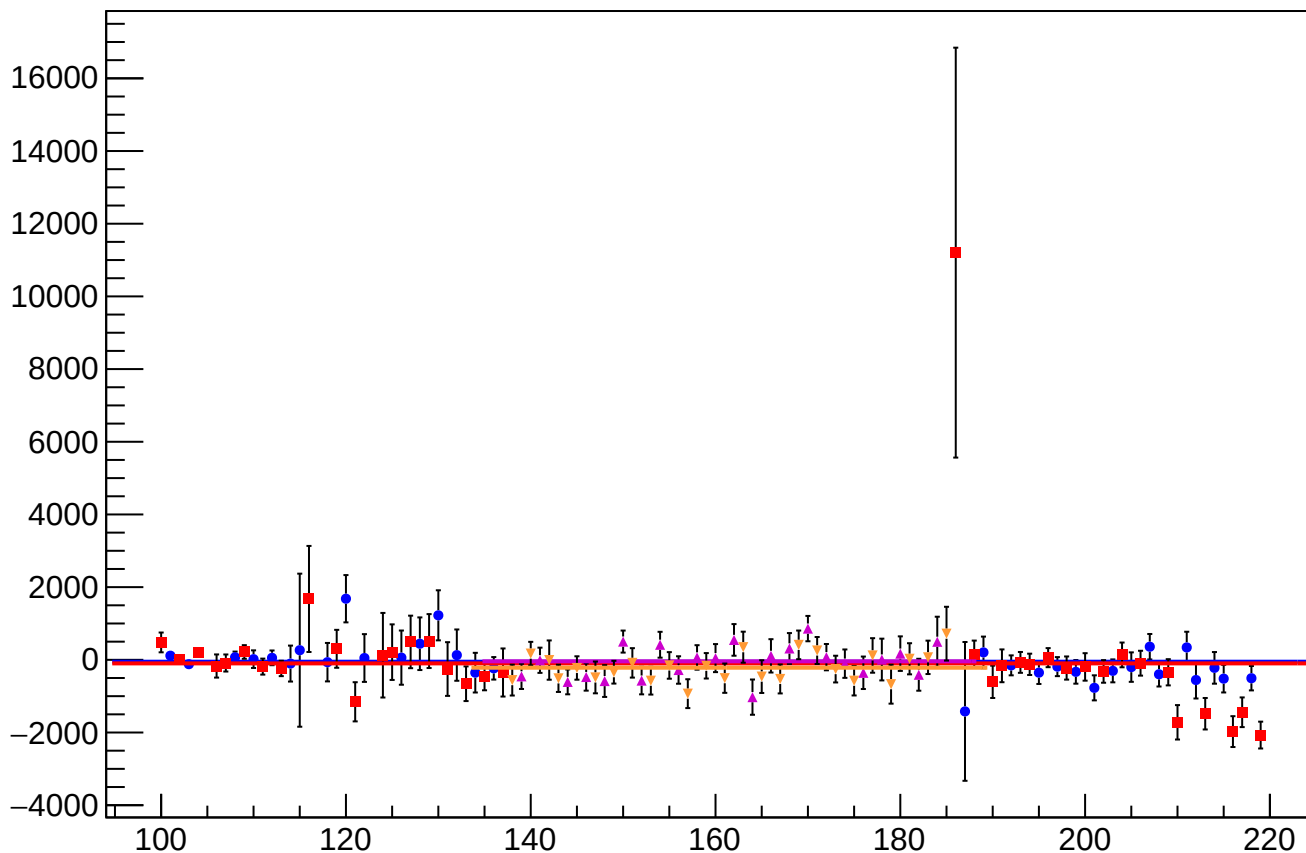
Left In: 69.436 $\pm$ 0.012 χ^2 /NDF: 924607.6/22

+ sign 67.409 $\pm$ 0.008 χ^2 /NDF: 1872428.3/56

All: 67.175 $\pm$ 0.005 χ^2 /NDF: 4591858.4/116

- sign 66.943 $\pm$ 0.008 χ^2 /NDF: 2717587.8/59

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -51.686 ± 45.963 χ^2/NDF : 32.3/31

Left Out: -217.349 ± 80.133 χ^2/NDF : 19.3/24

Right Out: -98.234 ± 45.203 χ^2/NDF : 117.3/36

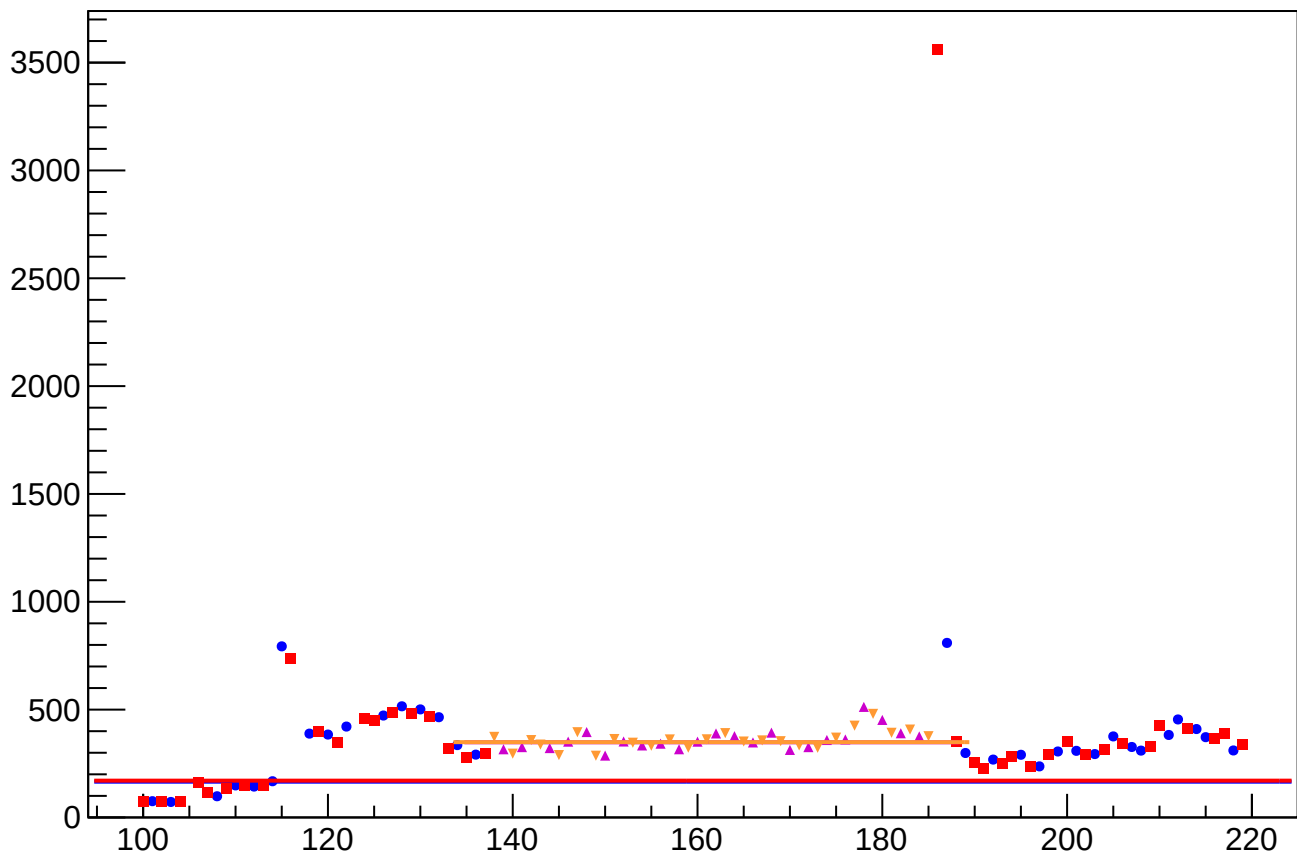
Left In: -41.512 ± 82.256 χ^2/NDF : 30.0/22

+ sign -92.697 ± 39.870 χ^2/NDF : 54.8/56

All: -88.863 ± 28.102 χ^2/NDF : 202.4/116

- sign -85.077 ± 39.615 χ^2/NDF : 147.6/59

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 165.861+/-0.033 χ^2/NDF : 13841894.3/31

Left Out: 349.177+/-0.057 χ^2/NDF : 524075.5/24

Right Out: 170.638+/-0.032 χ^2/NDF : 13987283.1/36

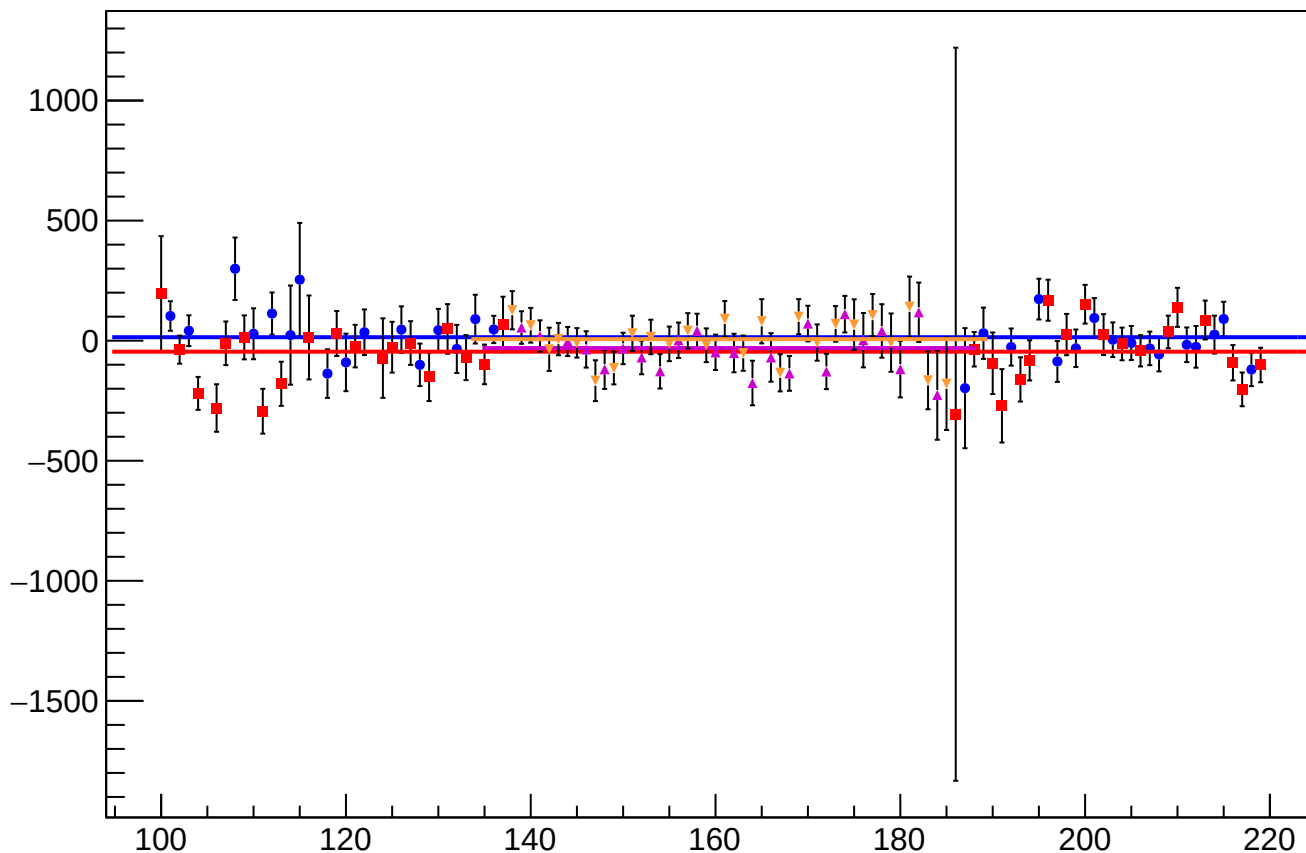
Left In: 348.560+/-0.058 χ^2/NDF : 525743.6/22

+ sign 211.242+/-0.028 χ^2/NDF : 22241466.4/56

All: 211.576+/-0.020 χ^2/NDF : 43941727.4/11

- sign 211.906+/-0.028 χ^2/NDF : 21699982.0/59

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 14.462 ± 14.879 χ^2/NDF : 29.6/31

Left Out: 6.469 ± 15.977 χ^2/NDF : 25.1/24

Right Out: -45.784 ± 14.398 χ^2/NDF : 60.5/36

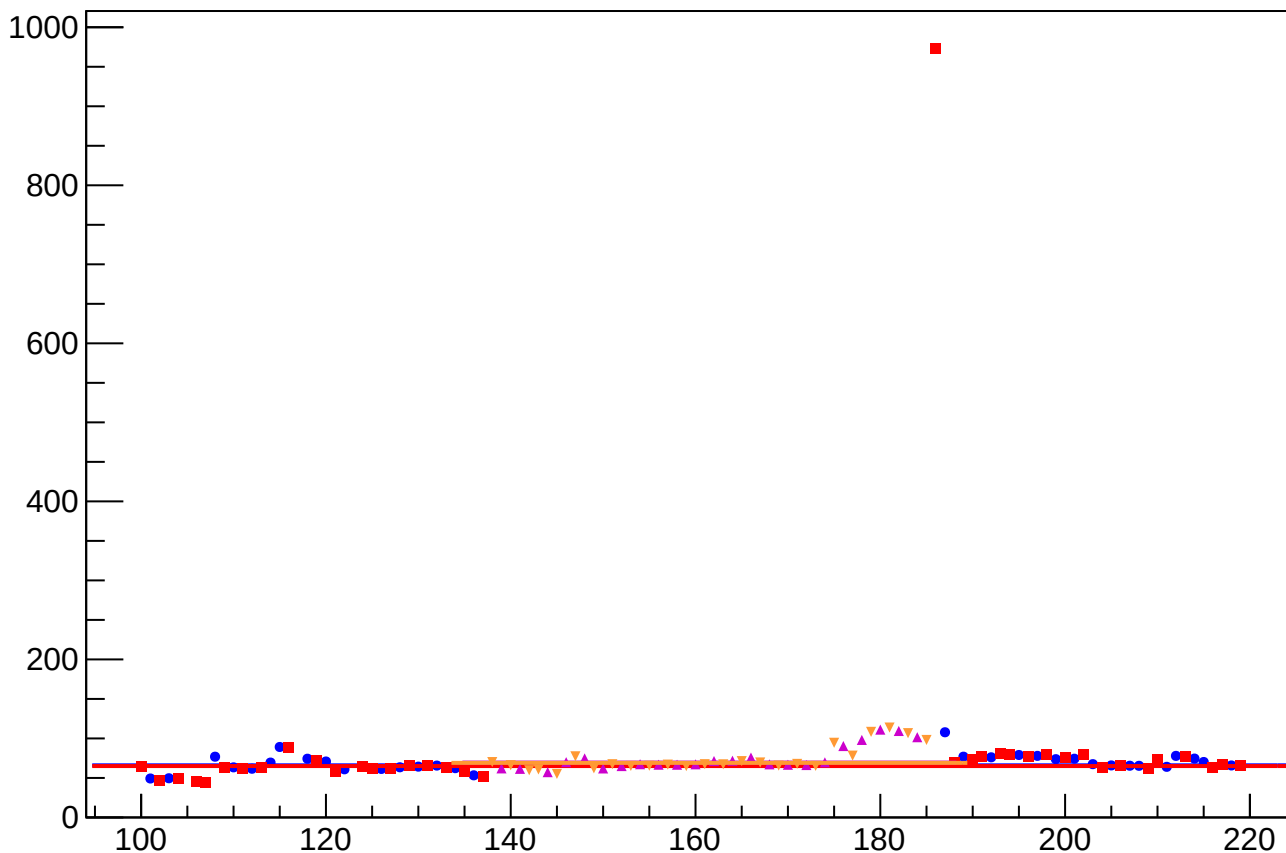
Left In: -30.662 ± 16.503 χ^2/NDF : 22.5/22

+ sign 10.750 ± 10.889 χ^2/NDF : 54.8/56

All: -14.340 ± 7.686 χ^2/NDF : 148.8/116

- sign -39.248 ± 10.849 χ^2/NDF : 83.4/59

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 65.962 ± 0.011 χ^2/NDF : 757670.0/31

Left Out: 69.079 ± 0.011 χ^2/NDF : 1073983.7/24

Right Out: 65.045 ± 0.010 χ^2/NDF : 1712574.7/36

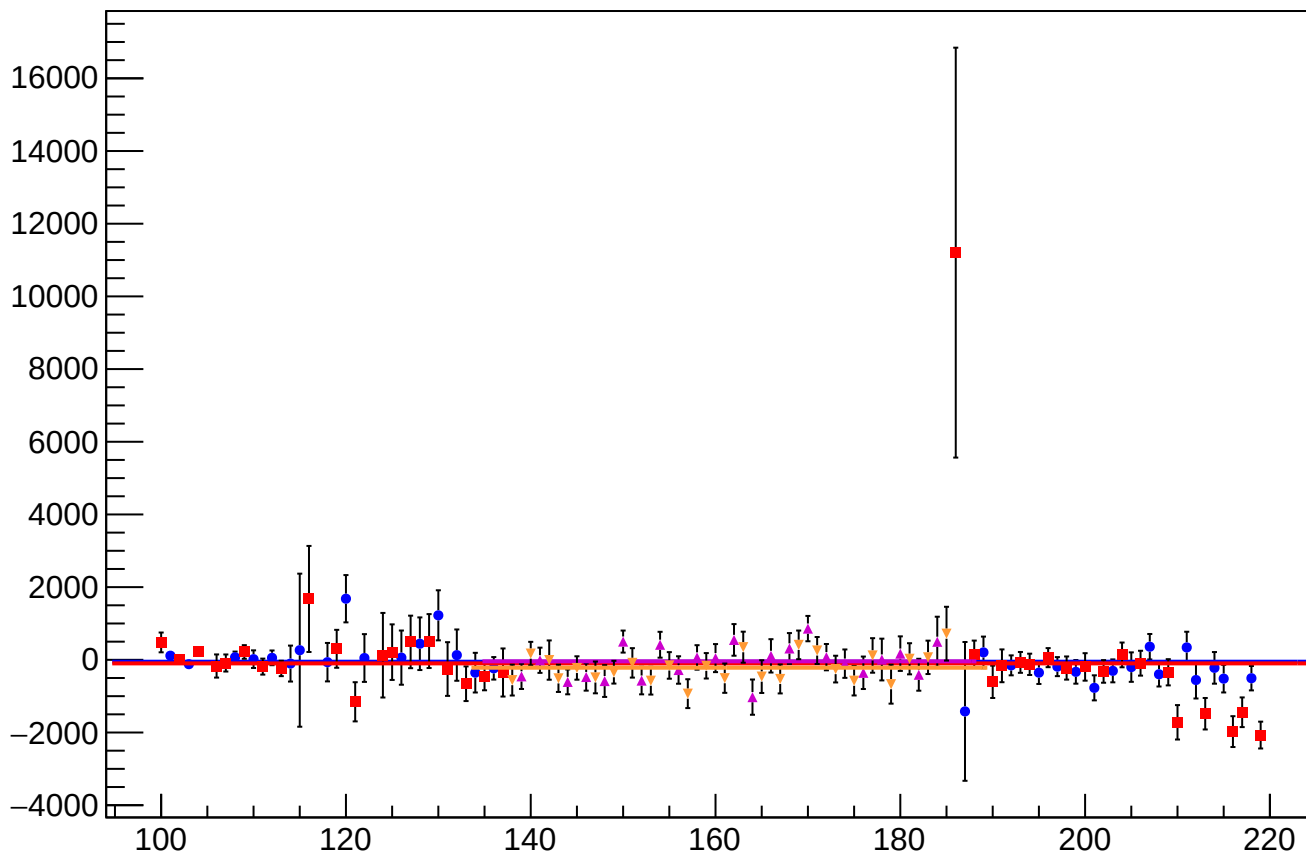
Left In: 69.436 ± 0.012 χ^2/NDF : 924591.6/22

+ sign 67.409 ± 0.008 χ^2/NDF : 1872412.8/56

All: 67.175 ± 0.005 χ^2/NDF : 4591834.3/116

- sign 66.943 ± 0.008 χ^2/NDF : 2717579.4/59

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -51.686 ± 45.963 χ^2/NDF : 32.3/31

Left Out: -217.348 ± 80.133 χ^2/NDF : 19.3/24

Right Out: -98.233 ± 45.203 χ^2/NDF : 117.3/36

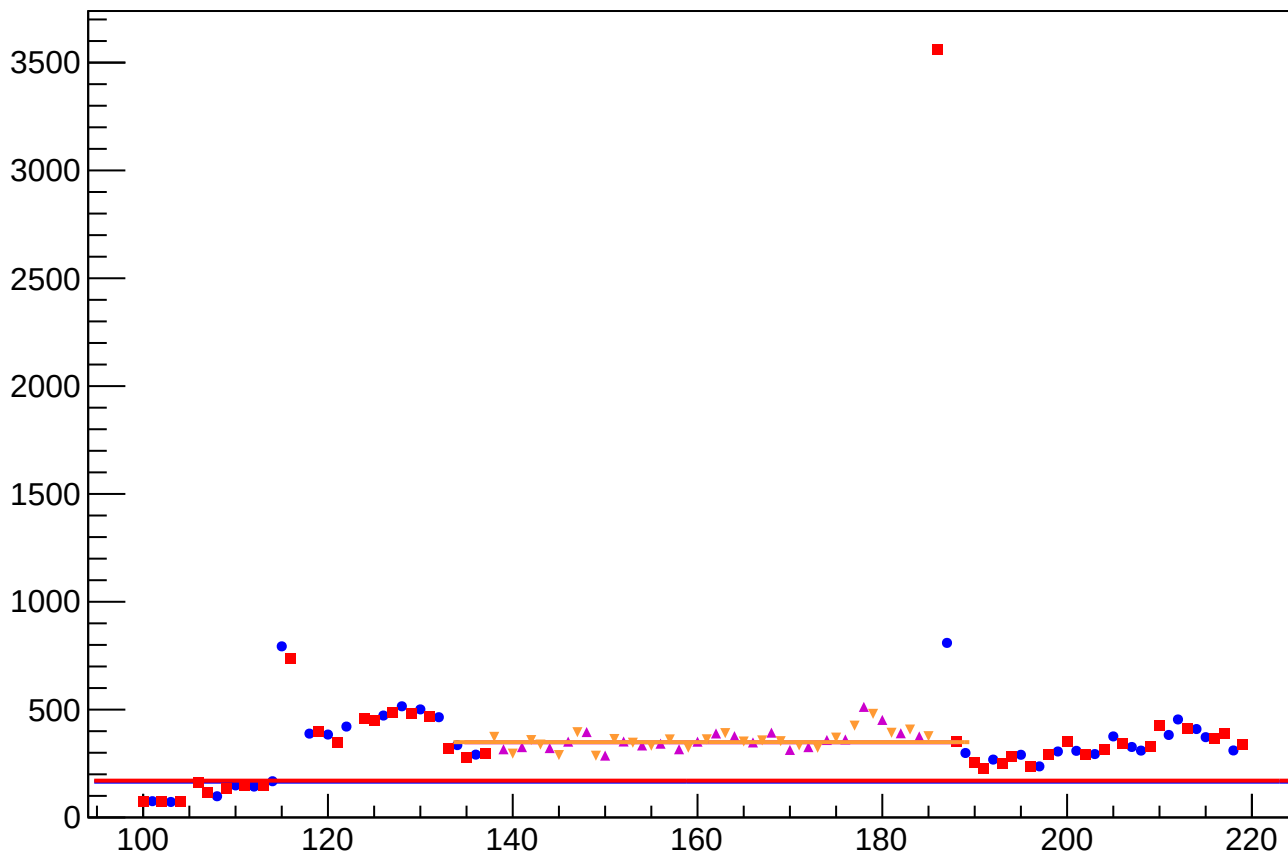
Left In: -41.512 ± 82.256 χ^2/NDF : 30.0/22

+ sign -92.696 ± 39.870 χ^2/NDF : 54.8/56

All: -88.862 ± 28.102 χ^2/NDF : 202.4/116

- sign -85.077 ± 39.615 χ^2/NDF : 147.6/59

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 165.861+/-0.033 χ^2/NDF : 13841912.1/31

Left Out: 349.177+/-0.057 χ^2/NDF : 524067.1/24

Right Out: 170.637+/-0.032 χ^2/NDF : 13987325.6/36

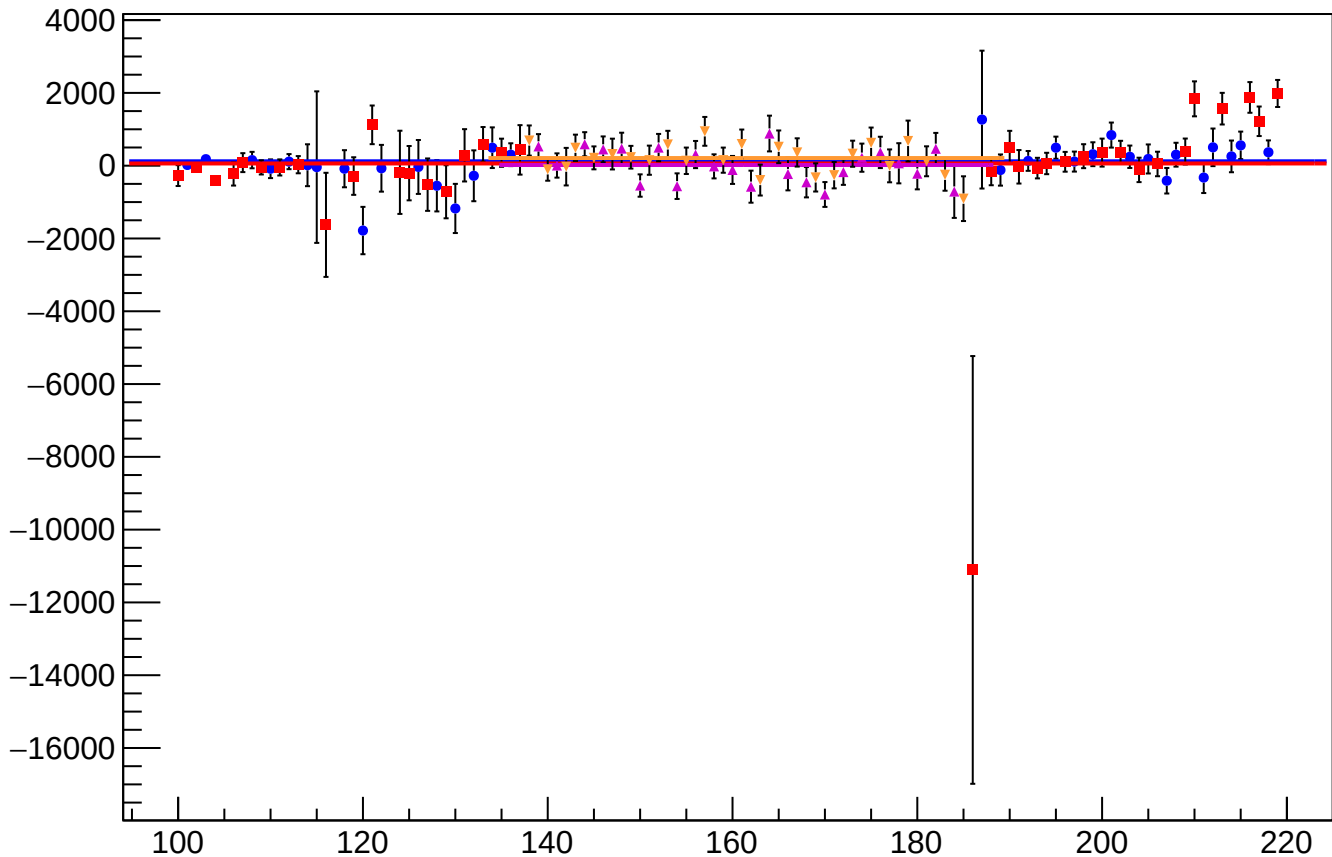
Left In: 348.560+/-0.058 χ^2/NDF : 525736.6/22

+ sign 211.242+/-0.028 χ^2/NDF : 22241538.1/56

All: 211.576+/-0.020 χ^2/NDF : 43941908.0/11

- sign 211.905+/-0.028 χ^2/NDF : 21700091.0/59

asym_sam_15_avg_mean vs Slug



Right In: 120.556 $\pm$ 49.271 χ^2 /NDF: 30.0/31

Left Out: 209.819 $\pm$ 78.511 χ^2 /NDF:21.4/24

Right Out: 60.918 $\pm$ 48.068 χ^2 /NDF: 118.3/36

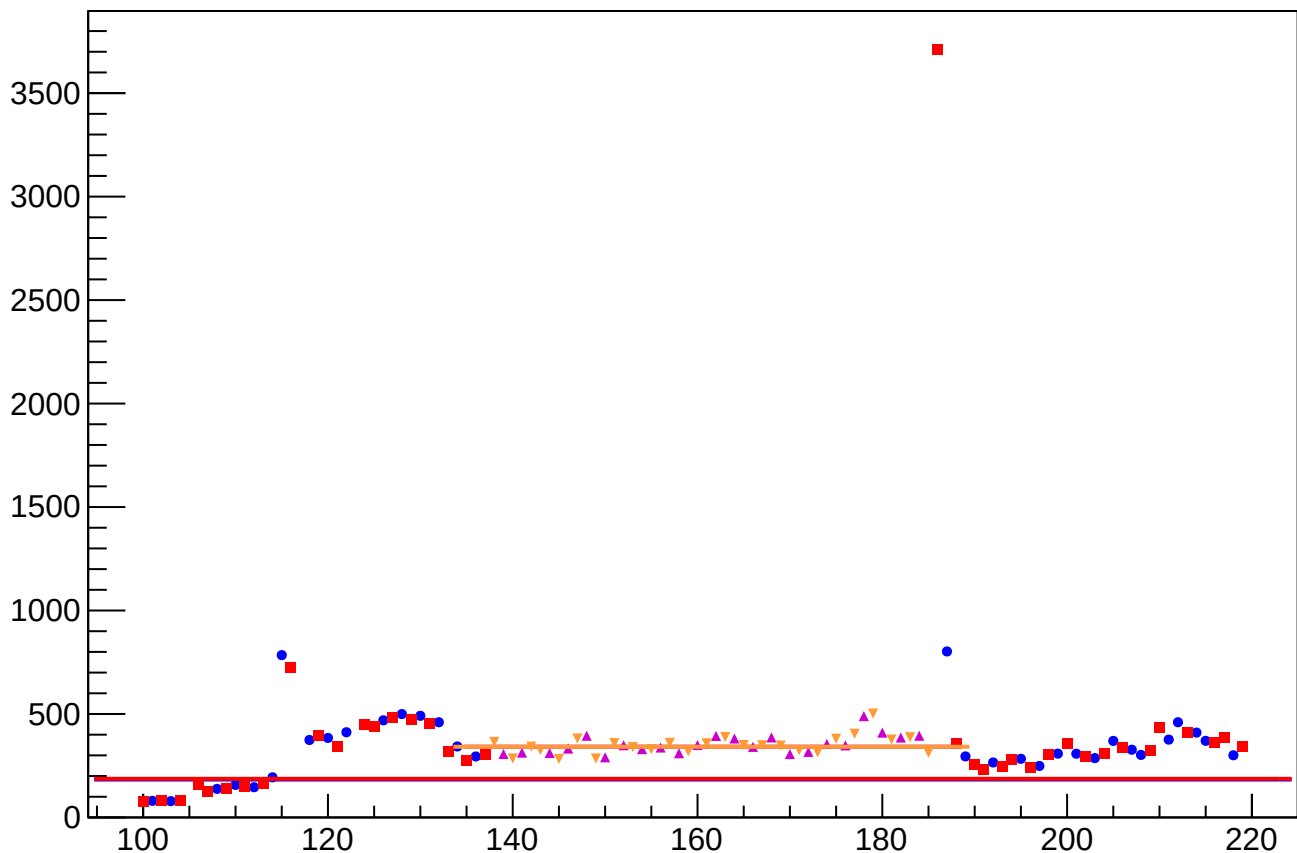
Left In: 18.738 $\pm$ 80.699 χ^2 /NDF:32.0/22

+ sign 145.778 $\pm$ 41.734 χ^2 /NDF: 52.4/56

All: 97.321 $\pm$ 29.355 χ^2 /NDF: 205.6/116

- sign 49.872 $\pm$ 41.297 χ^2 /NDF: 150.5/59

asym_sam_15_avg_rms vs Slug



Right In: 183.280+/-0.035 χ^2/NDF : 12042606.4/31

Left Out: 341.585+/-0.056 χ^2/NDF : 554287.8/24

Right Out: 186.674+/-0.034 χ^2/NDF : 12239118.8/36

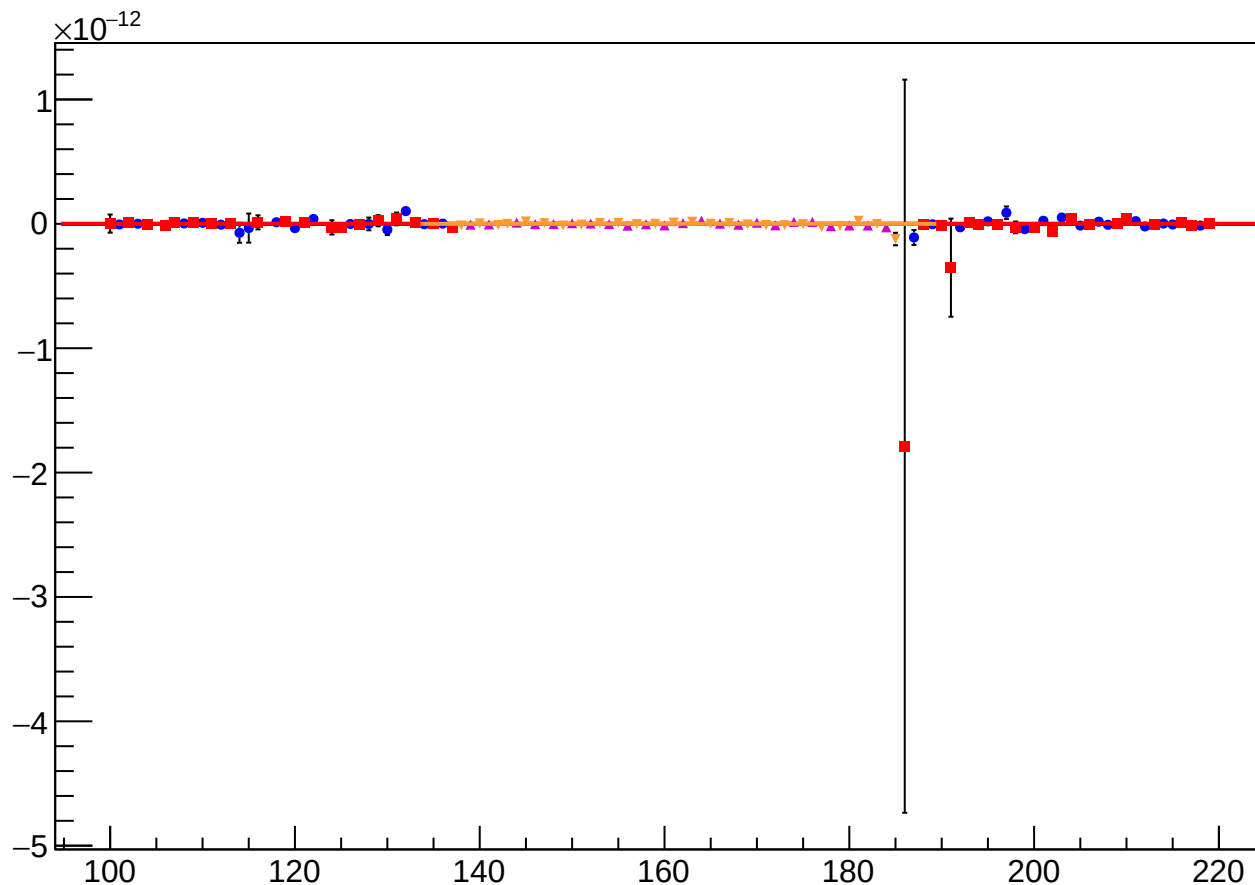
Left In: 341.943+/-0.057 χ^2/NDF : 485509.1/22

+ sign 228.010+/-0.030 χ^2/NDF : 18430512.5/56

All: 227.670+/-0.021 χ^2/NDF : 36620331.9/11

- sign 227.336+/-0.029 χ^2/NDF : 18189555.7/59

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 38.3/31

Left Out: 0.000+/-0.000 χ^2 /NDF:28.6/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 25.3/36

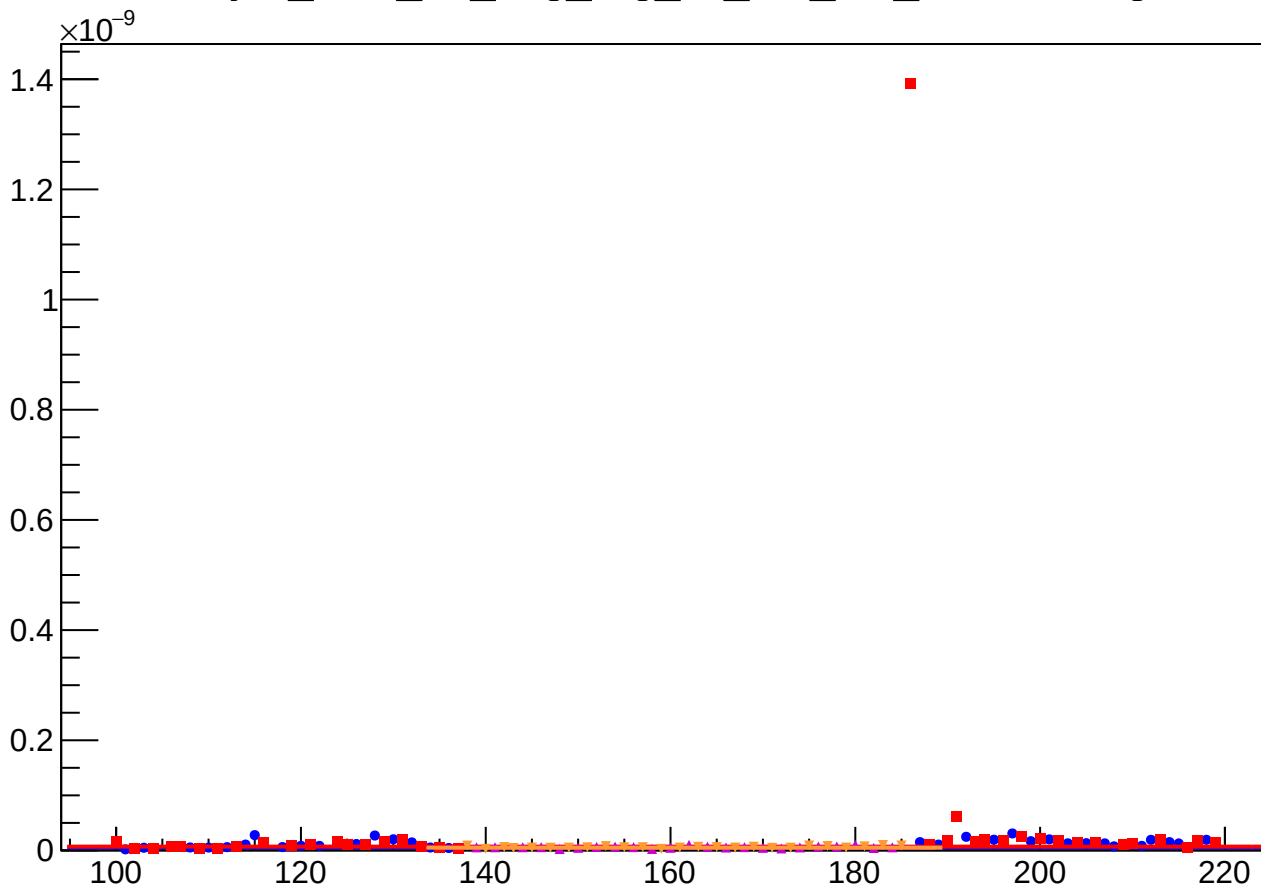
Left In: -0.000+/-0.000 χ^2 /NDF:20.5/22

+ sign -0.000+/-0.000 χ^2 /NDF: 67.0/56

All: -0.000+/-0.000 χ^2 /NDF: 113.1/116

- sign -0.000+/-0.000 χ^2 /NDF: 46.0/59

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7826146.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6203560.2/36

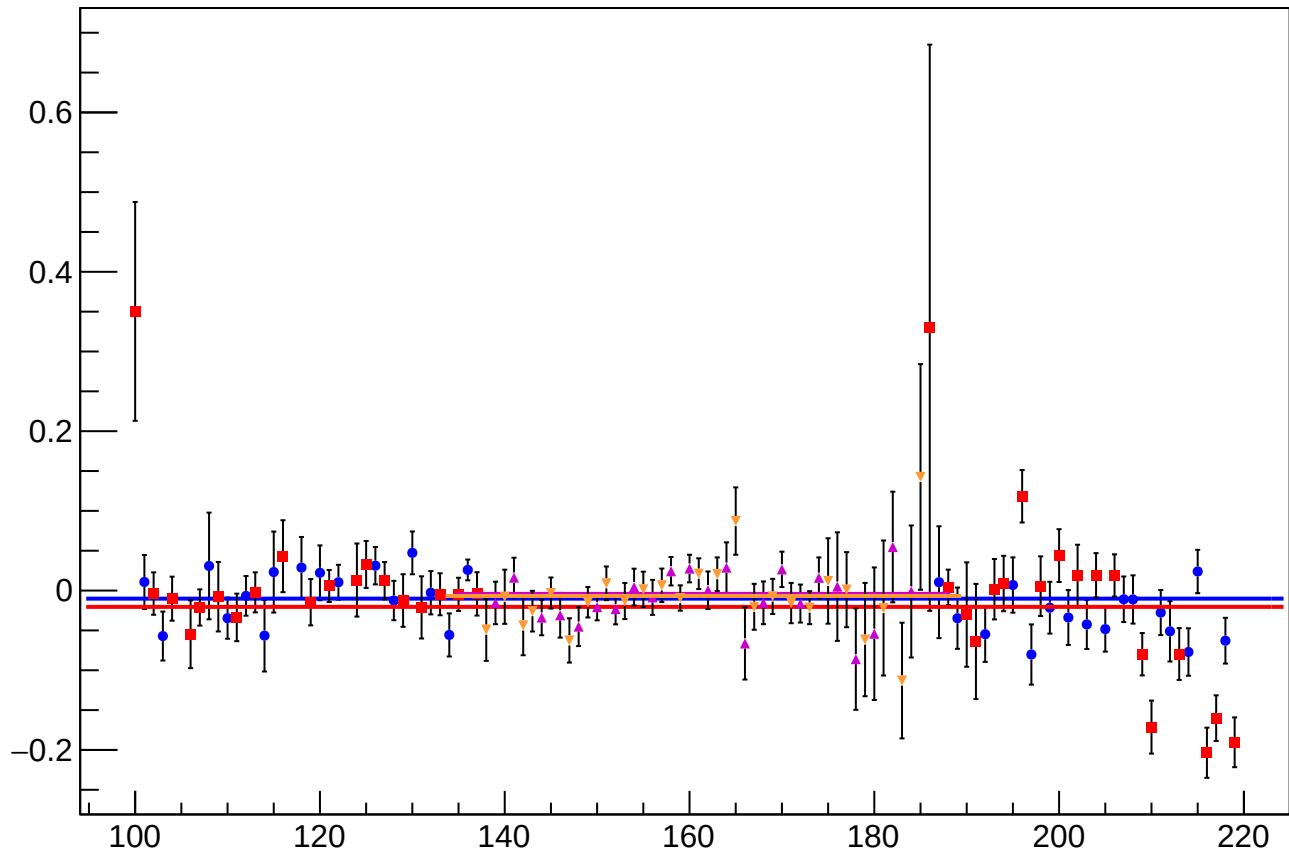
Left In: 0.000+/-0.000 χ^2/NDF : 1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 9125231.8/56

All: 0.000+/-0.000 χ^2/NDF : 17309306.7/116

- sign 0.000+/-0.000 χ^2/NDF : 8054647.4/59

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.010 ± 0.005 χ^2/NDF : 47.5/31

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.020 ± 0.005 χ^2/NDF : 167.1/36

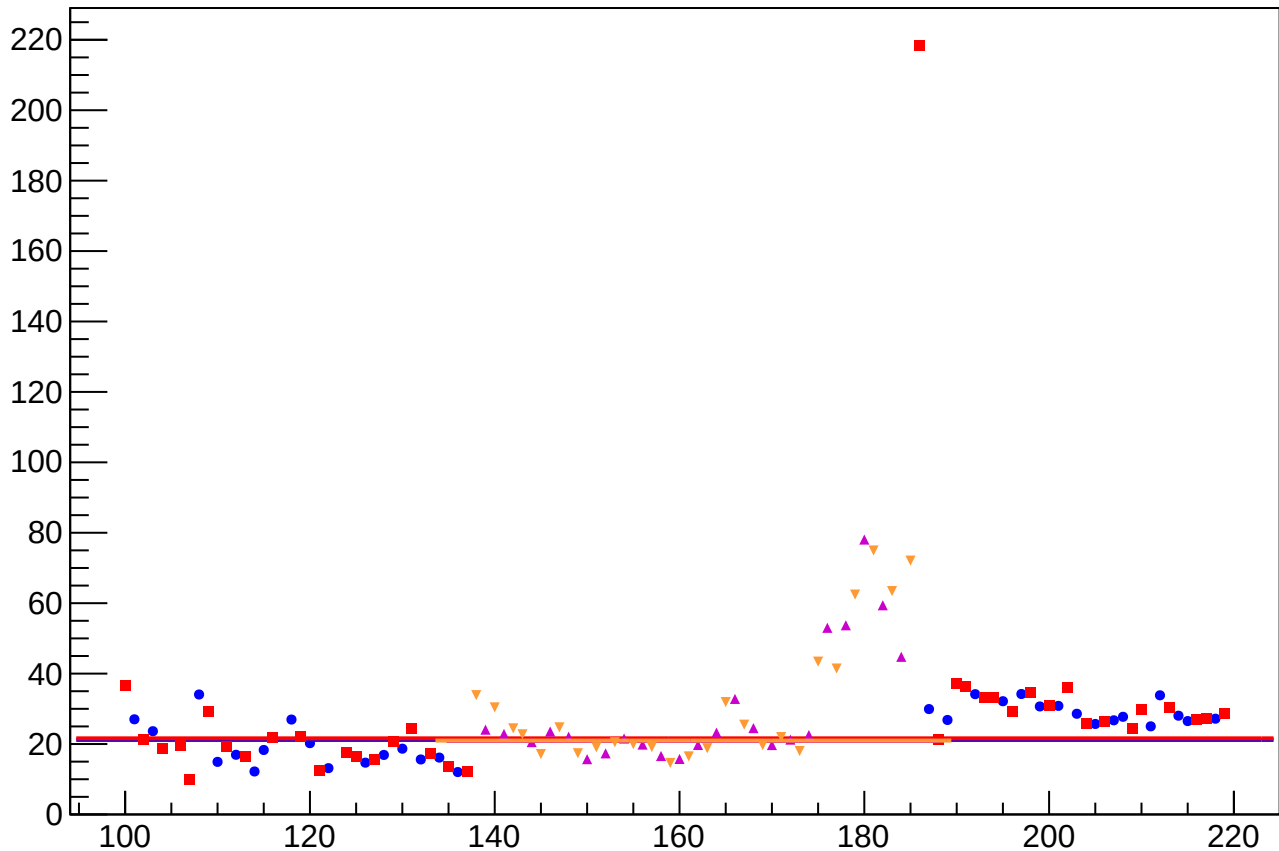
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.008 ± 0.004 χ^2/NDF : 69.4/56

All: -0.011 ± 0.003 χ^2/NDF : 265.4/116

- sign -0.013 ± 0.004 χ^2/NDF : 195.3/59

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 21.178 $\pm$ 0.004 χ^2 /NDF: 4074881.4/31

Left Out: 20.981 $\pm$ 0.004 χ^2 /NDF: 4467011.5/24

Right Out: 21.614 $\pm$ 0.004 χ^2 /NDF: 4574403.6/36

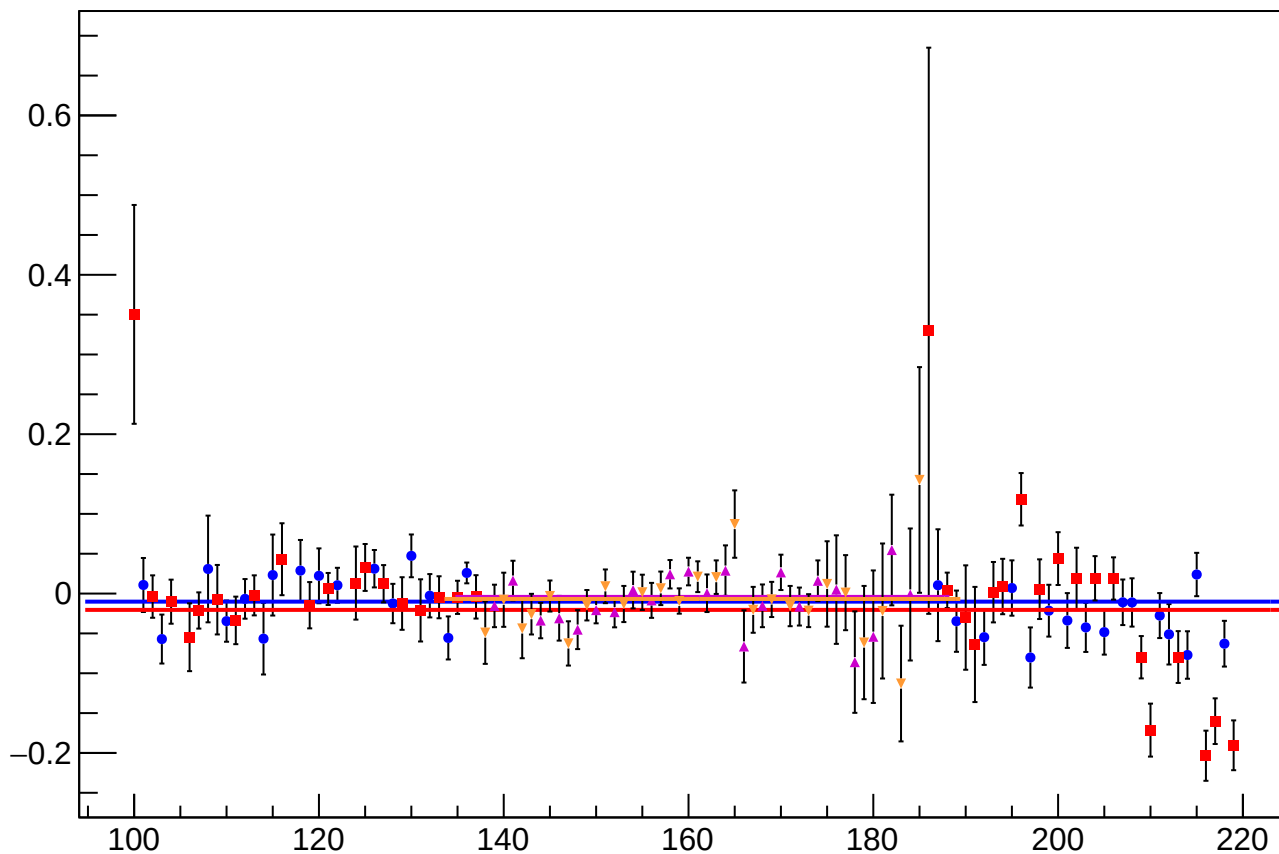
Left In: 20.868 $\pm$ 0.004 χ^2 /NDF: 3534877.7/22

+ sign 21.081 $\pm$ 0.003 χ^2 /NDF: 8543354.3/56

All: 21.169 $\pm$ 0.002 χ^2 /NDF: 16675813.4/116

- sign 21.258 $\pm$ 0.003 χ^2 /NDF: 8130109.4/59

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010 ± 0.005 χ^2/NDF : 47.5/31

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.020 ± 0.005 χ^2/NDF : 167.1/36

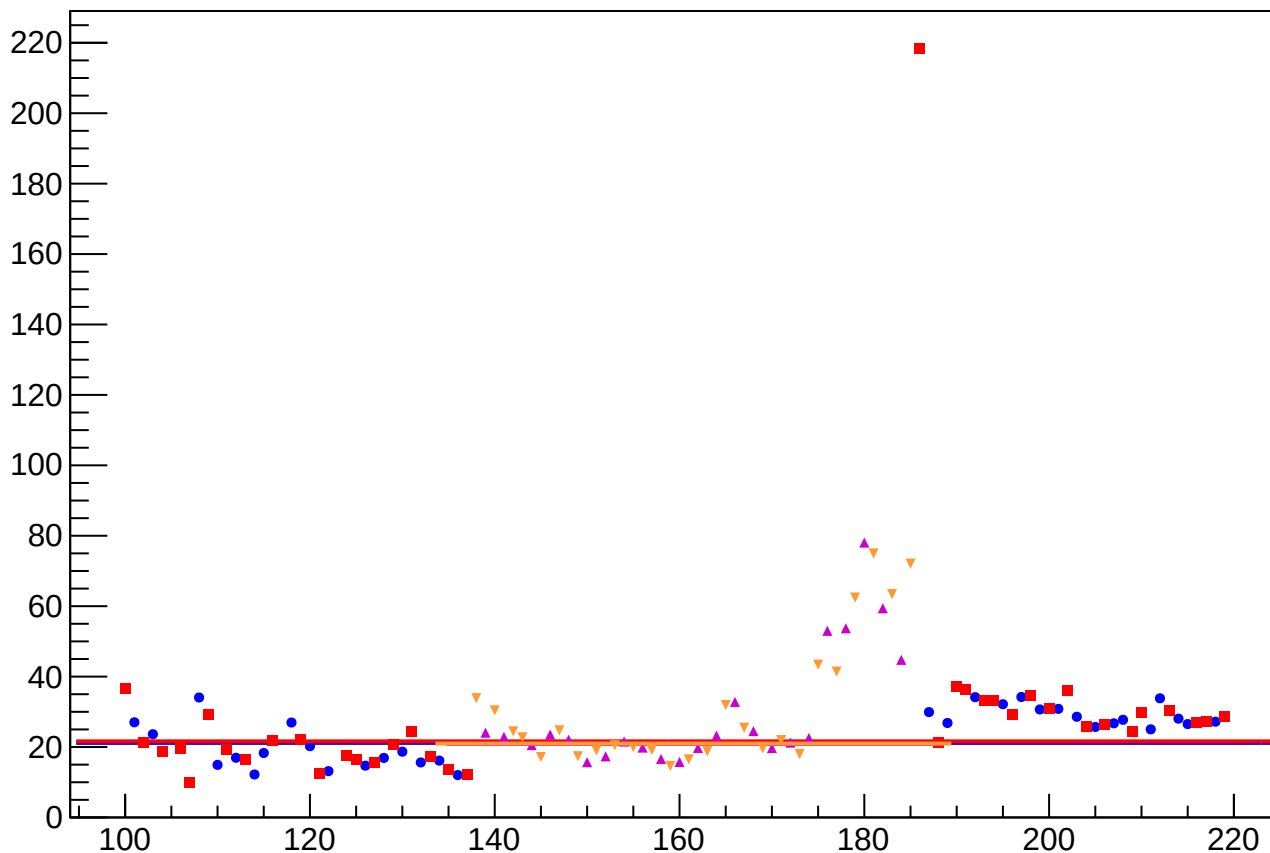
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.008 ± 0.004 χ^2/NDF : 69.4/56

All: -0.011 ± 0.003 χ^2/NDF : 265.4/116

- sign -0.013 ± 0.004 χ^2/NDF : 195.3/59

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.178 $\pm$ 0.004 χ^2 /NDF: 4074881.4/31

Left Out: 20.981 $\pm$ 0.004 χ^2 /NDF: 4467011.5/24

Right Out: 21.614 $\pm$ 0.004 χ^2 /NDF: 4574403.6/36

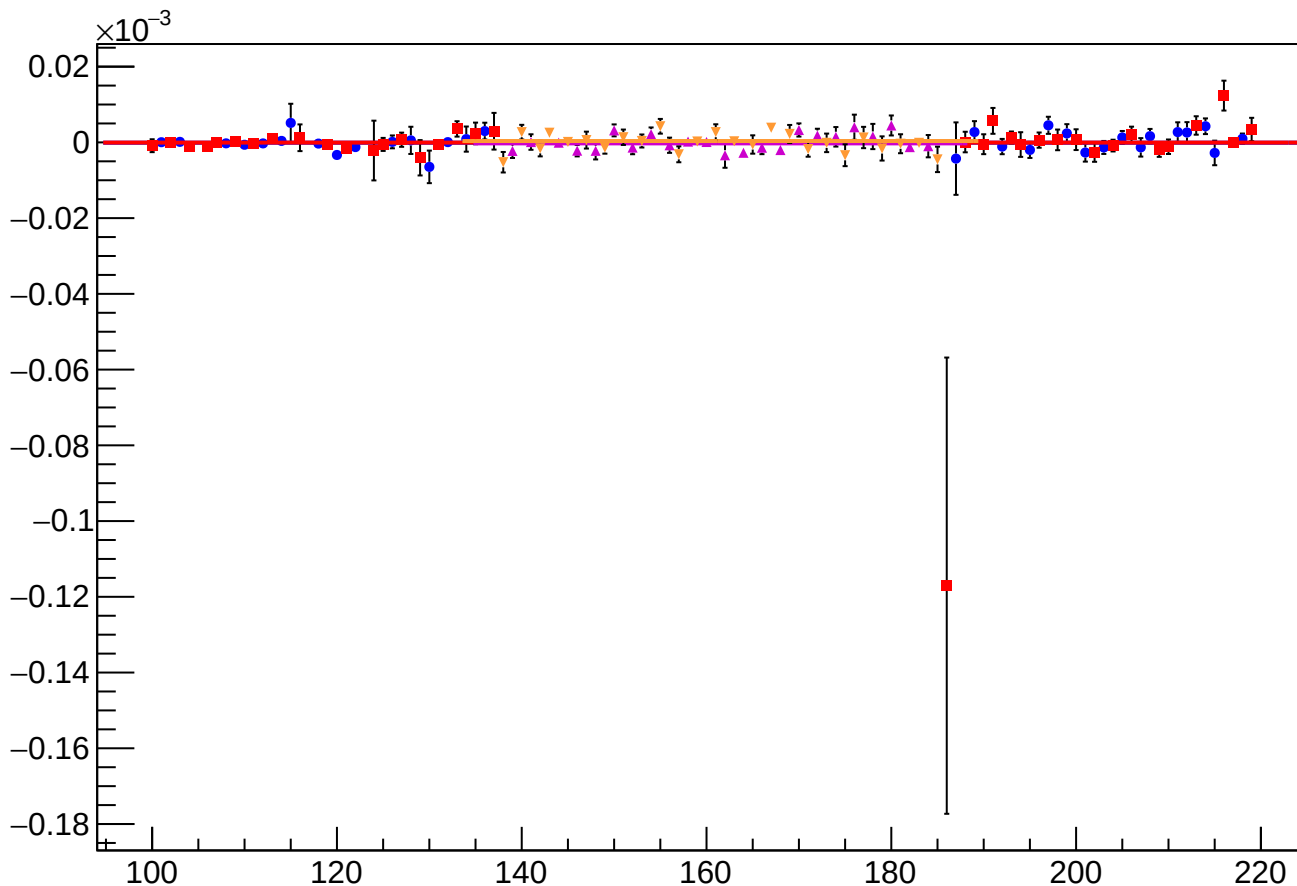
Left In: 20.868 $\pm$ 0.004 χ^2 /NDF: 3534877.7/22

+ sign 21.081 $\pm$ 0.003 χ^2 /NDF: 8543354.3/56

All: 21.169 $\pm$ 0.002 χ^2 /NDF: 16675813.4/116

- sign 21.258 $\pm$ 0.003 χ^2 /NDF: 8130109.4/59

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.5/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.2/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 46.2/36

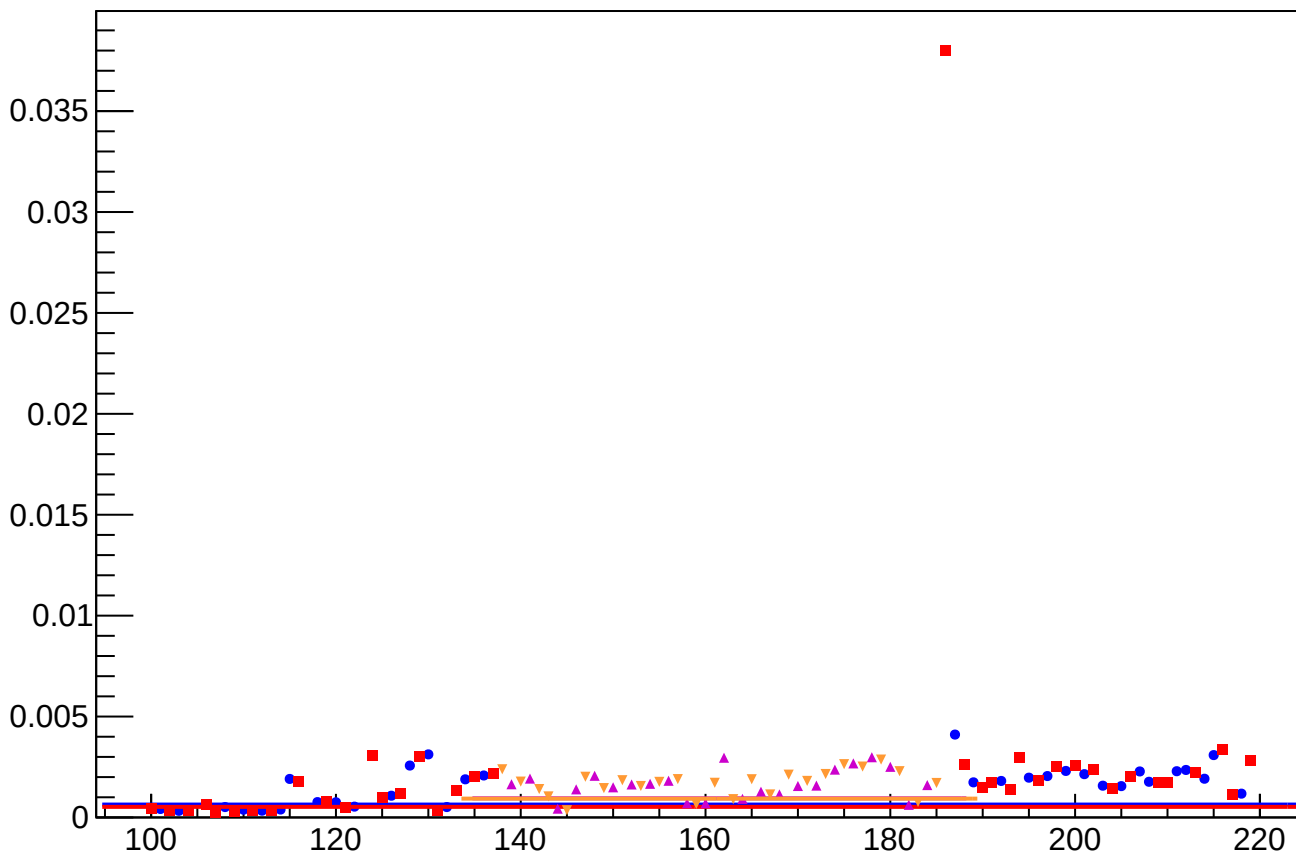
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:31.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 69.7/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 148.7/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 78.3/59

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 16564608.8/31

Left Out: 0.001+/-0.000 χ^2/NDF : 11996378.8/24

Right Out: 0.001+/-0.000 χ^2/NDF : 20615922.5/36

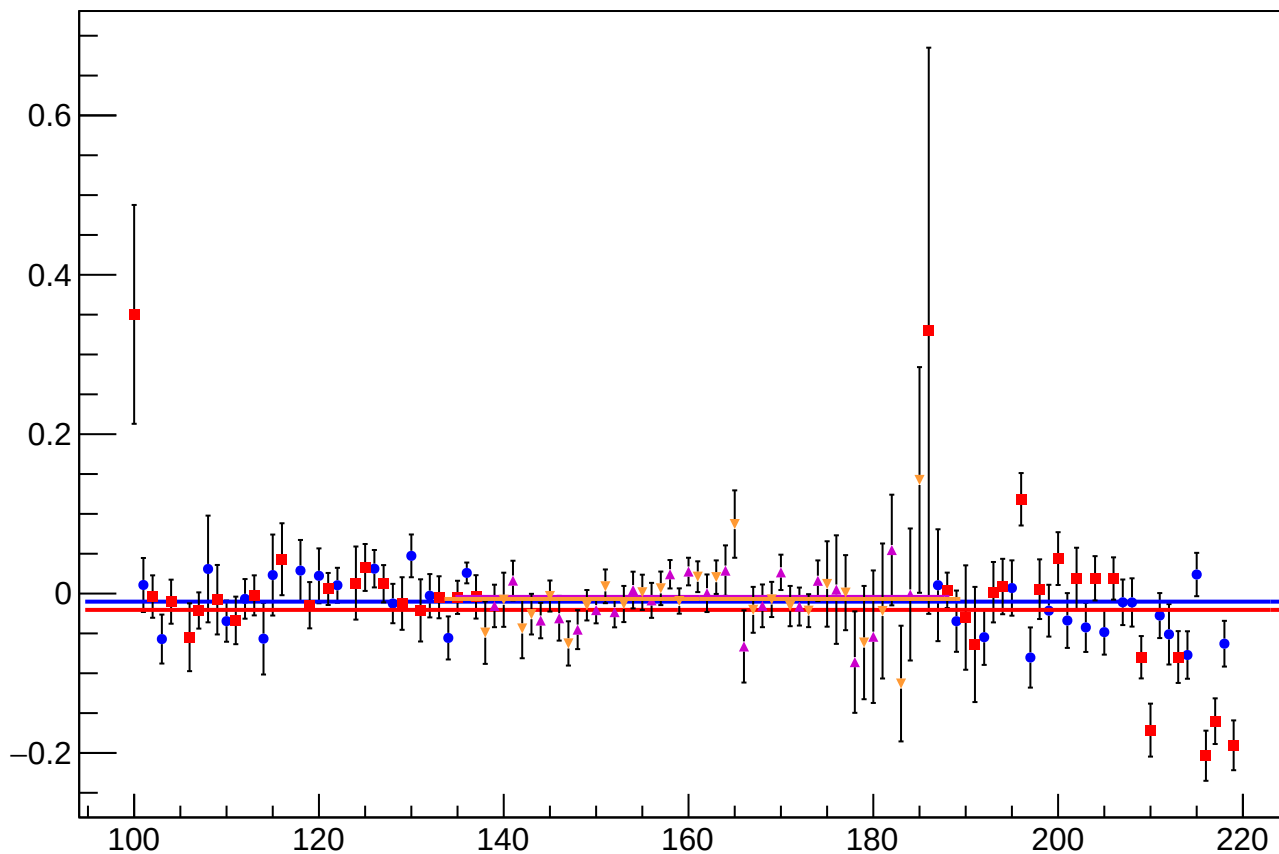
Left In: 0.001+/-0.000 χ^2/NDF : 9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF : 30198157.3/56

All: 0.001+/-0.000 χ^2/NDF : 64464690.0/116

- sign 0.001+/-0.000 χ^2/NDF : 33809151.8/59

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.010 ± 0.005 χ^2/NDF : 47.5/31

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.020 ± 0.005 χ^2/NDF : 167.1/36

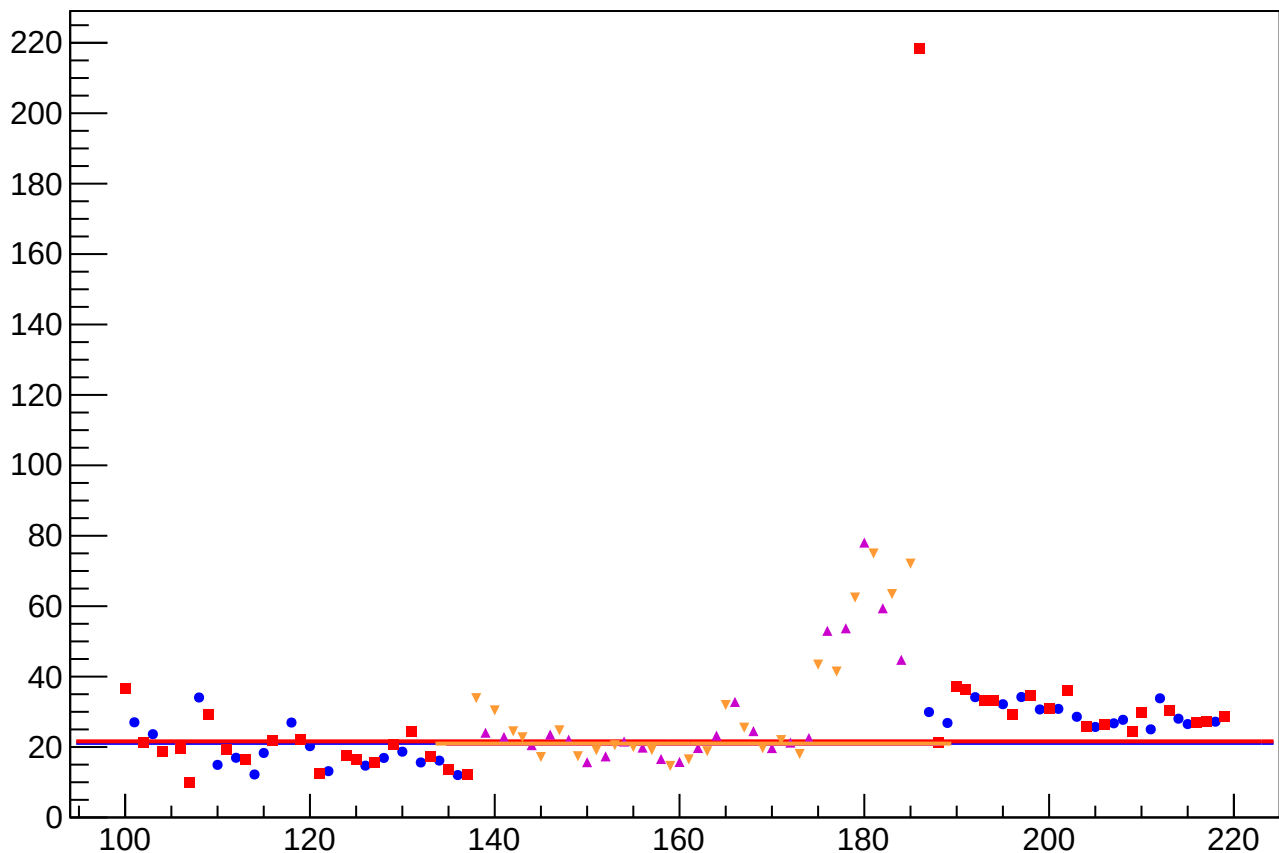
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.008 ± 0.004 χ^2/NDF : 69.4/56

All: -0.011 ± 0.003 χ^2/NDF : 265.4/116

- sign -0.013 ± 0.004 χ^2/NDF : 195.3/59

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.178+/-0.004 χ^2/NDF : 4074874.0/31

Left Out: 20.981+/-0.004 χ^2/NDF : 4466984.6/24

Right Out: 21.614+/-0.004 χ^2/NDF : 4574408.5/36

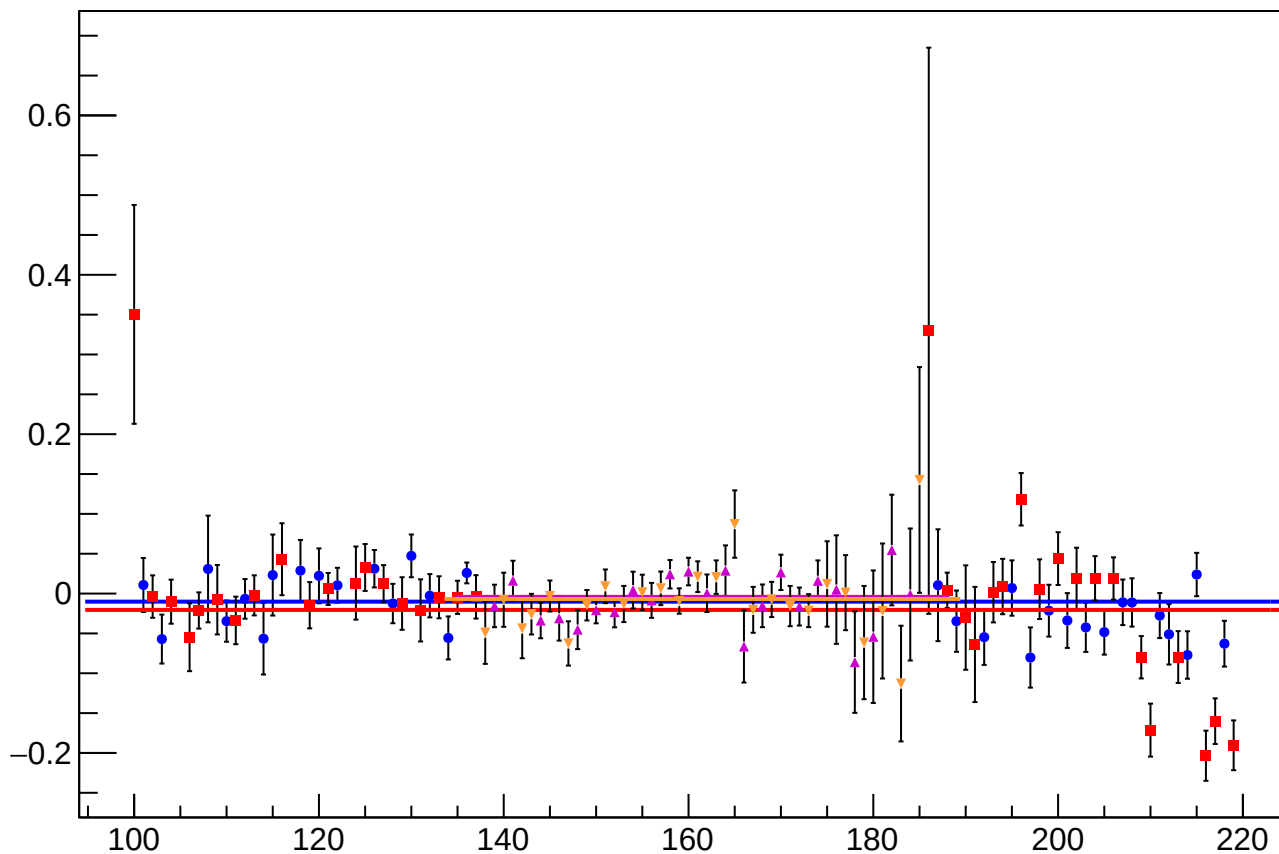
Left In: 20.868+/-0.004 χ^2/NDF : 3534923.5/22

+ sign 21.081+/-0.003 χ^2/NDF : 8543314.8/56

All: 21.169+/-0.002 χ^2/NDF : 16675802.9/116

- sign 21.258+/-0.003 χ^2/NDF : 8130140.3/59

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010 ± 0.005 χ^2/NDF : 47.5/31

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.020 ± 0.005 χ^2/NDF : 167.1/36

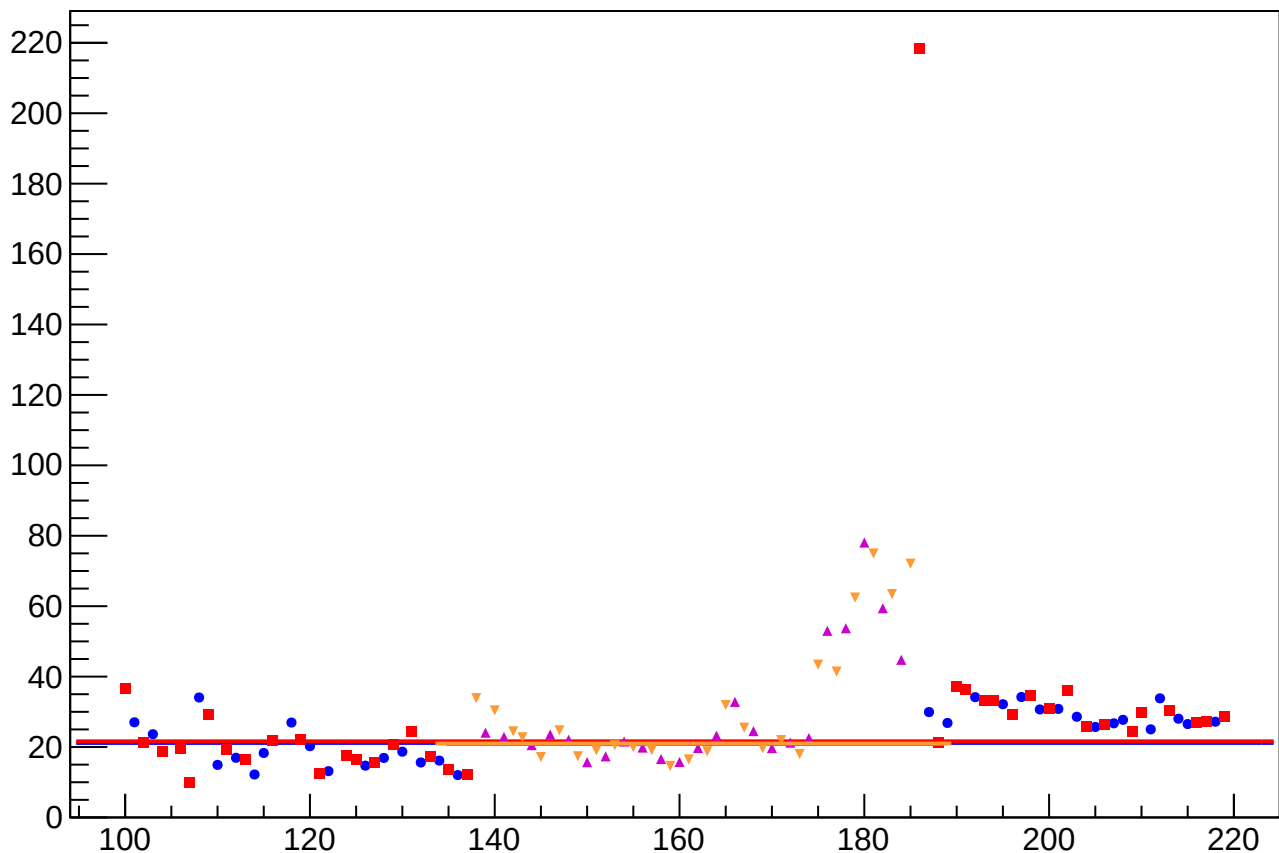
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.008 ± 0.004 χ^2/NDF : 69.4/56

All: -0.011 ± 0.003 χ^2/NDF : 265.4/116

- sign -0.013 ± 0.004 χ^2/NDF : 195.3/59

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.178 $\pm$ 0.004 χ^2 /NDF: 4074874.0/31

Left Out: 20.981 $\pm$ 0.004 χ^2 /NDF: 4466984.6/24

Right Out: 21.614 $\pm$ 0.004 χ^2 /NDF: 4574408.5/36

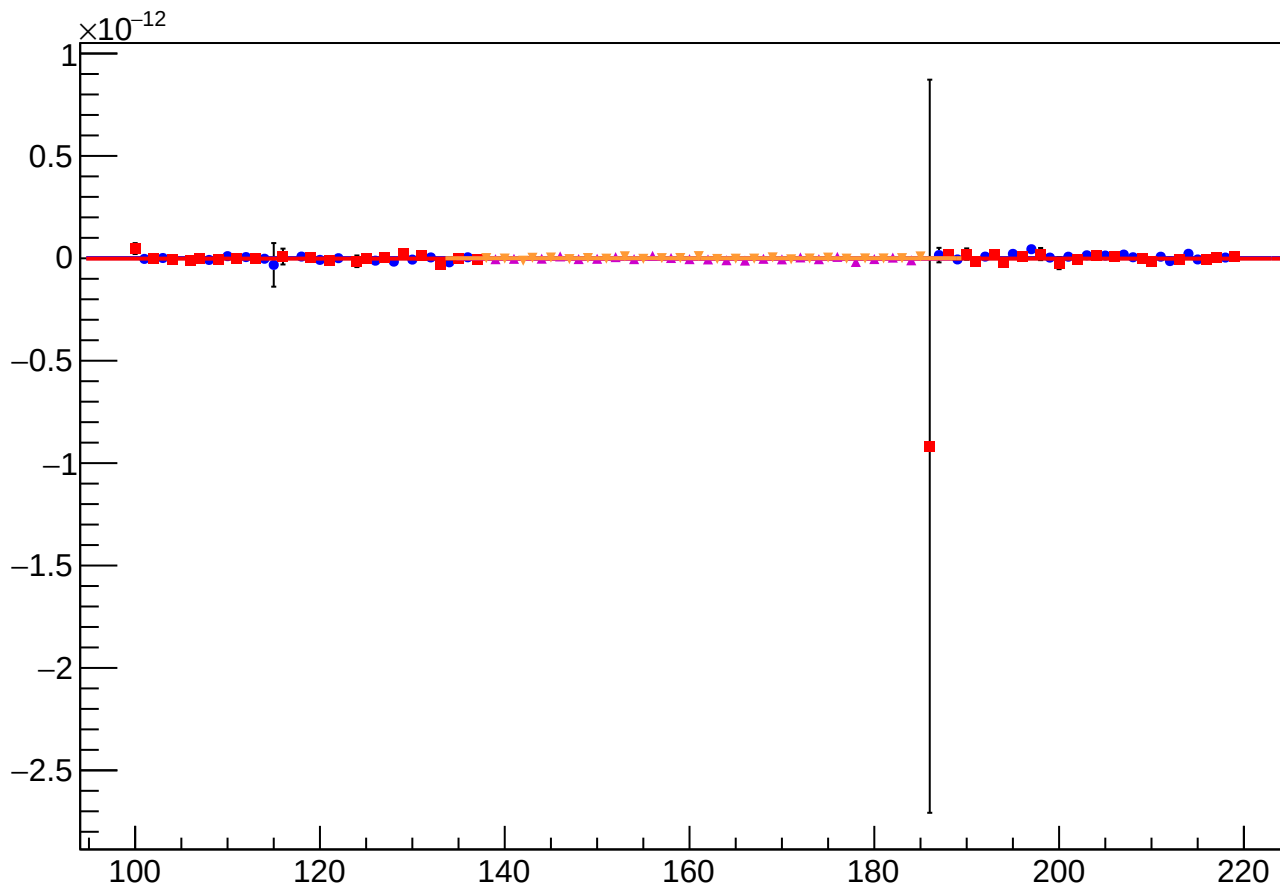
Left In: 20.868 $\pm$ 0.004 χ^2 /NDF: 3534923.5/22

+ sign 21.081 $\pm$ 0.003 χ^2 /NDF: 8543314.8/56

All: 21.169 $\pm$ 0.002 χ^2 /NDF: 16675802.9/116

- sign 21.258 $\pm$ 0.003 χ^2 /NDF: 8130140.3/59

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 28.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 14.6/24

Right Out: -0.000+/-0.000 χ^2/NDF : 27.9/36

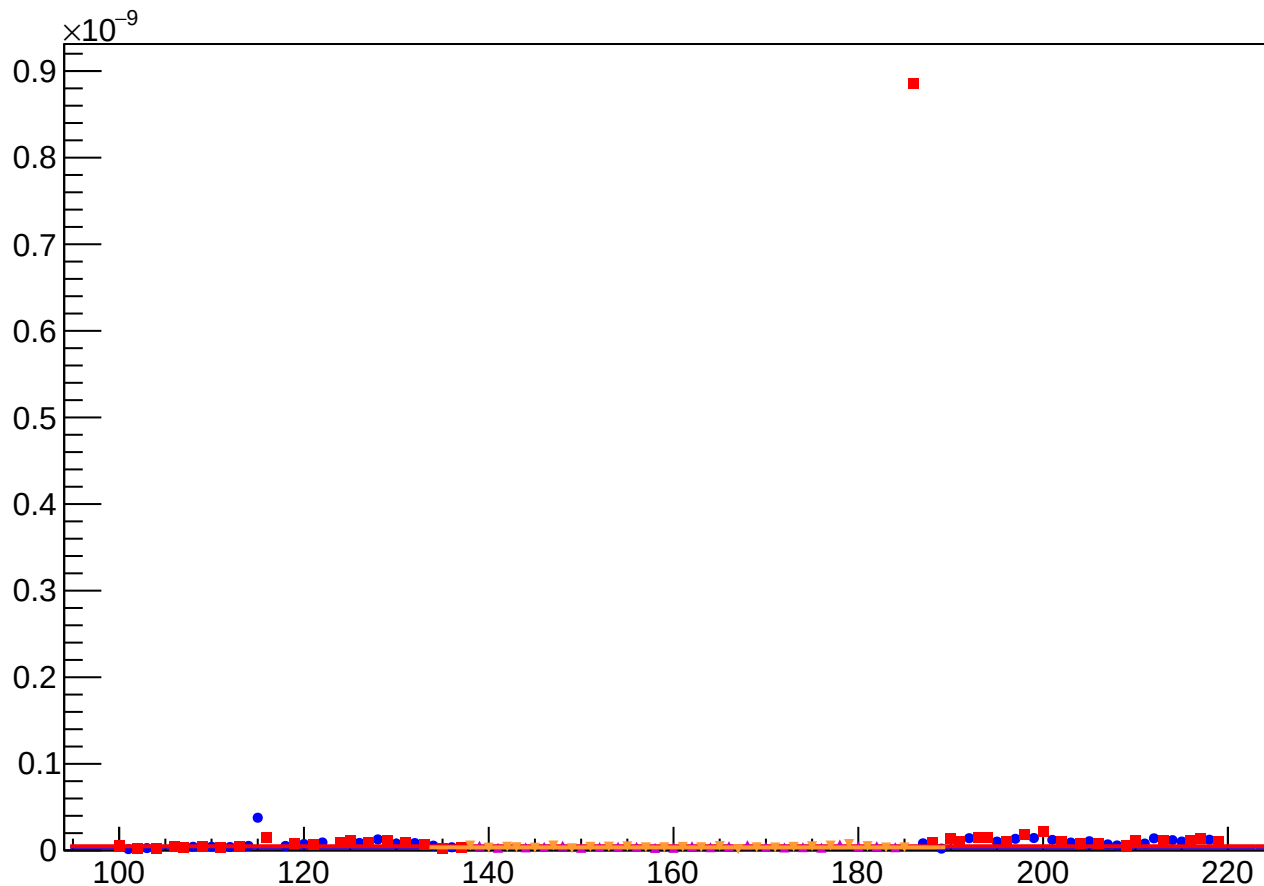
Left In: -0.000+/-0.000 χ^2/NDF : 26.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 43.3/56

All: -0.000+/-0.000 χ^2/NDF : 99.7/116

- sign -0.000+/-0.000 χ^2/NDF : 54.6/59

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9701921.7/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9796801.5/36

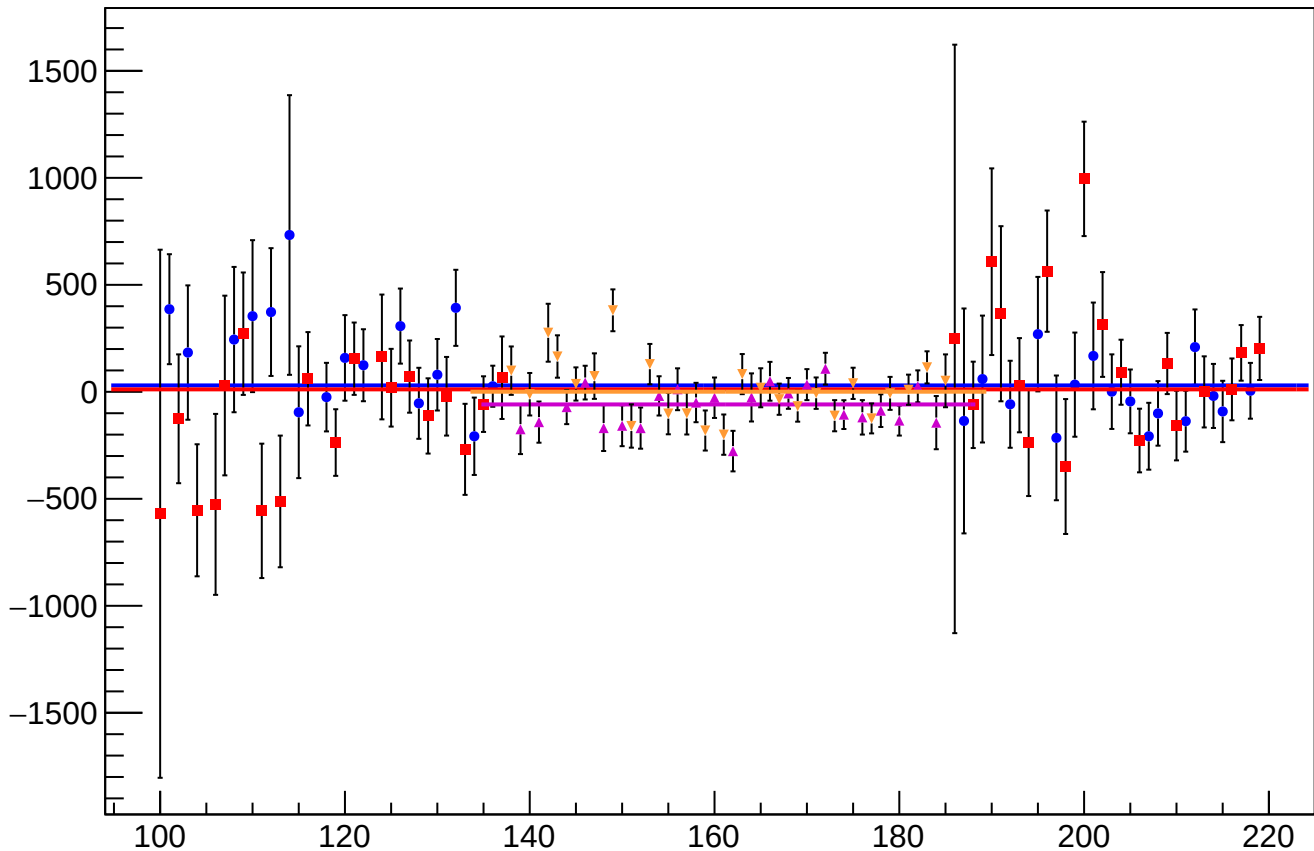
Left In: 0.000+/-0.000 χ^2/NDF : 1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 12422040.6/56

All: 0.000+/-0.000 χ^2/NDF : 24173599.7/116

- sign 0.000+/-0.000 χ^2/NDF : 11445042.5/59

reg_asym_sam_26_avg_mean vs Slug



Right In: 29.943 $\pm$ 32.700 χ^2 /NDF: 24.3/31

Left Out: 0.598 $\pm$ 17.319 χ^2 /NDF: 48.6/24

Right Out: 11.481 $\pm$ 33.304 χ^2 /NDF: 50.8/36

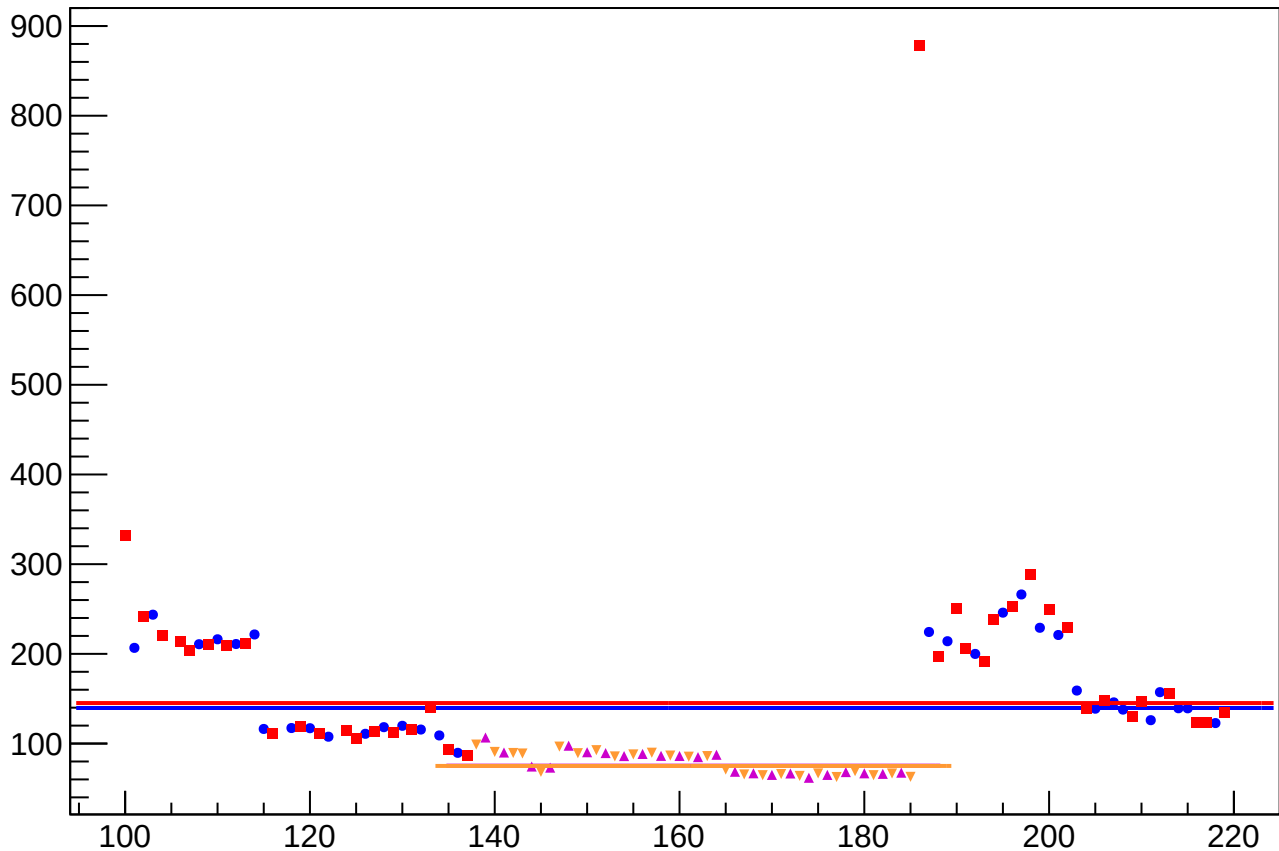
Left In: -58.907 $\pm$ 17.879 χ^2 /NDF: 25.8/22

+ sign 7.027 $\pm$ 15.305 χ^2 /NDF: 73.6/56

All: -17.344 $\pm$ 10.977 χ^2 /NDF: 158.8/116

- sign -43.160 $\pm$ 15.753 χ^2 /NDF: 80.1/59

reg_asym_sam_26_avg_rms vs Slug



Right In: 139.638 $\pm$ 0.023 χ^2 /NDF: 3212416.1/31

Left Out: 75.041 $\pm$ 0.012 χ^2 /NDF: 928107.8/24

Right Out: 145.145 $\pm$ 0.024 χ^2 /NDF: 4360480.6/36

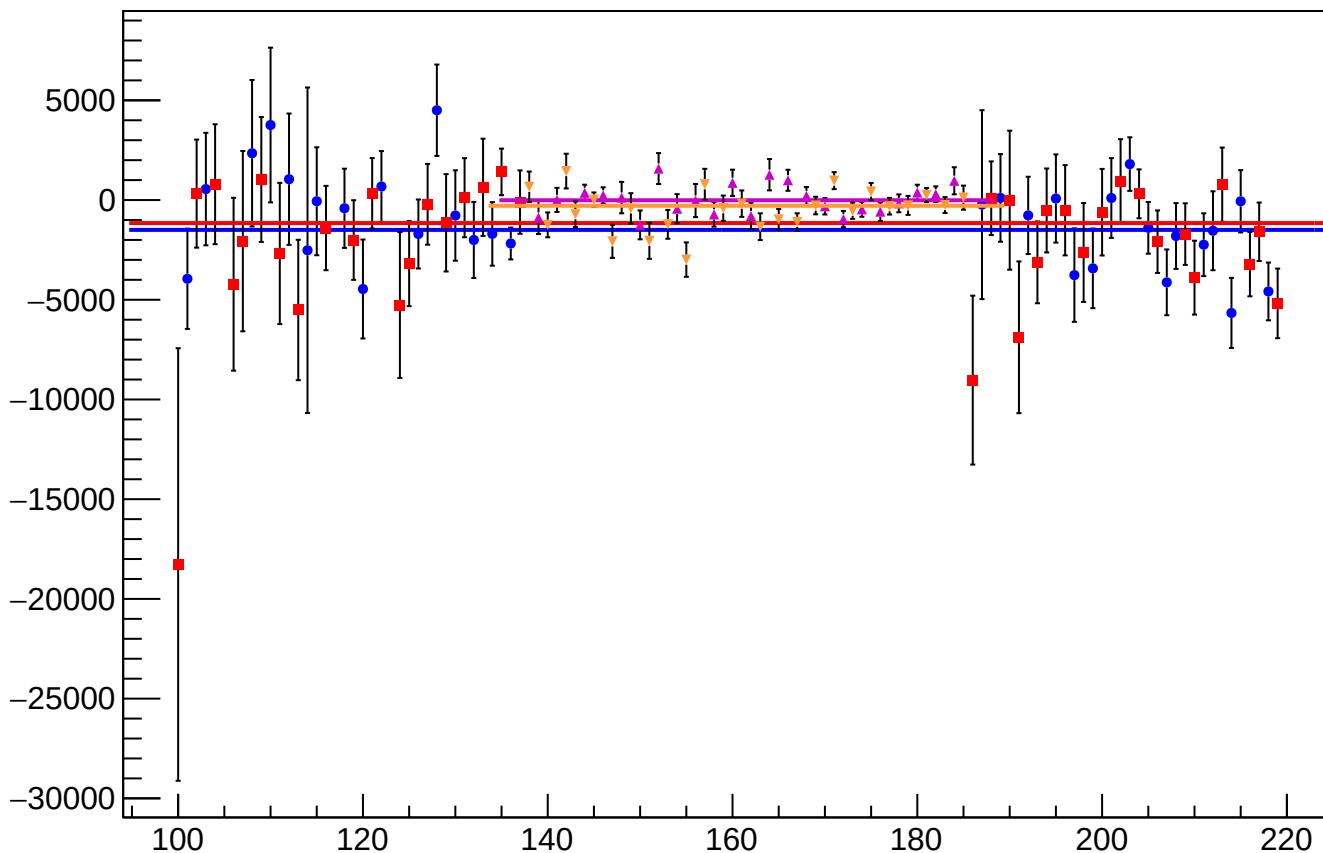
Left In: 75.352 $\pm$ 0.013 χ^2 /NDF: 837634.2/22

+ sign 89.192 $\pm$ 0.011 χ^2 /NDF: 10235460.2/56

All: 90.054 $\pm$ 0.008 χ^2 /NDF: 22264866.1/116

- sign 90.966 $\pm$ 0.011 χ^2 /NDF: 12016363.3/59

asym_sam_26_avg_reg_correction_mean vs Slug



Right In: -1496.376 ± 324.147 χ^2/NDF : 39.9/31

Left Out: -288.079 ± 105.231 χ^2/NDF : 53.3/24

Right Out: -1154.022 ± 339.361 χ^2/NDF : 36.5/36

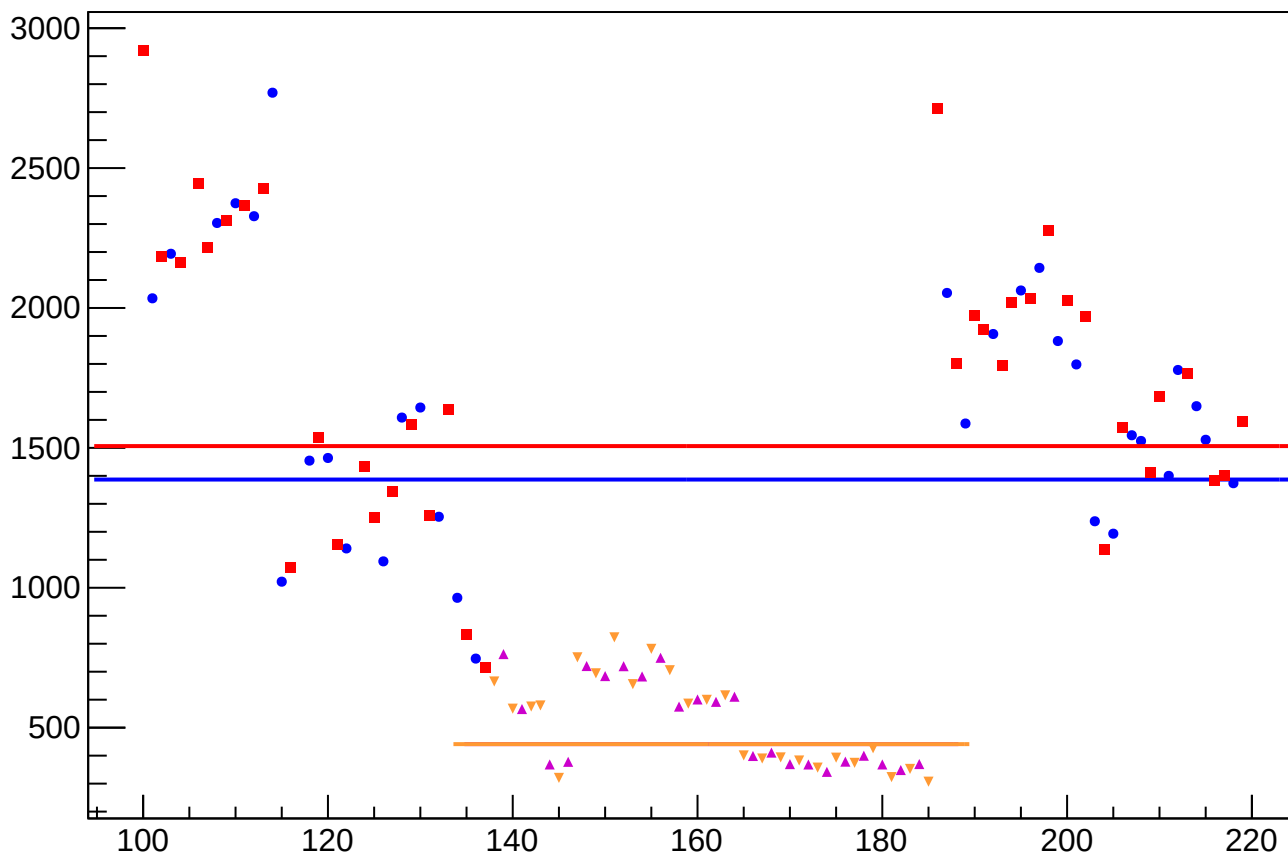
Left In: -10.643 ± 107.669 χ^2/NDF : 33.4/22

+ sign -403.282 ± 100.089 χ^2/NDF : 105.8/56

All: -262.854 ± 71.654 χ^2/NDF : 190.0/116

- sign -115.211 ± 102.628 χ^2/NDF : 80.2/59

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1386.791 $\pm$ 0.229 χ^2 /NDF: 3433700.0/31

Left Out: 441.128 $\pm$ 0.074 χ^2 /NDF:3234629.2/24

Right Out: 1506.369 $\pm$ 0.240 χ^2 /NDF: 3412906.3/36

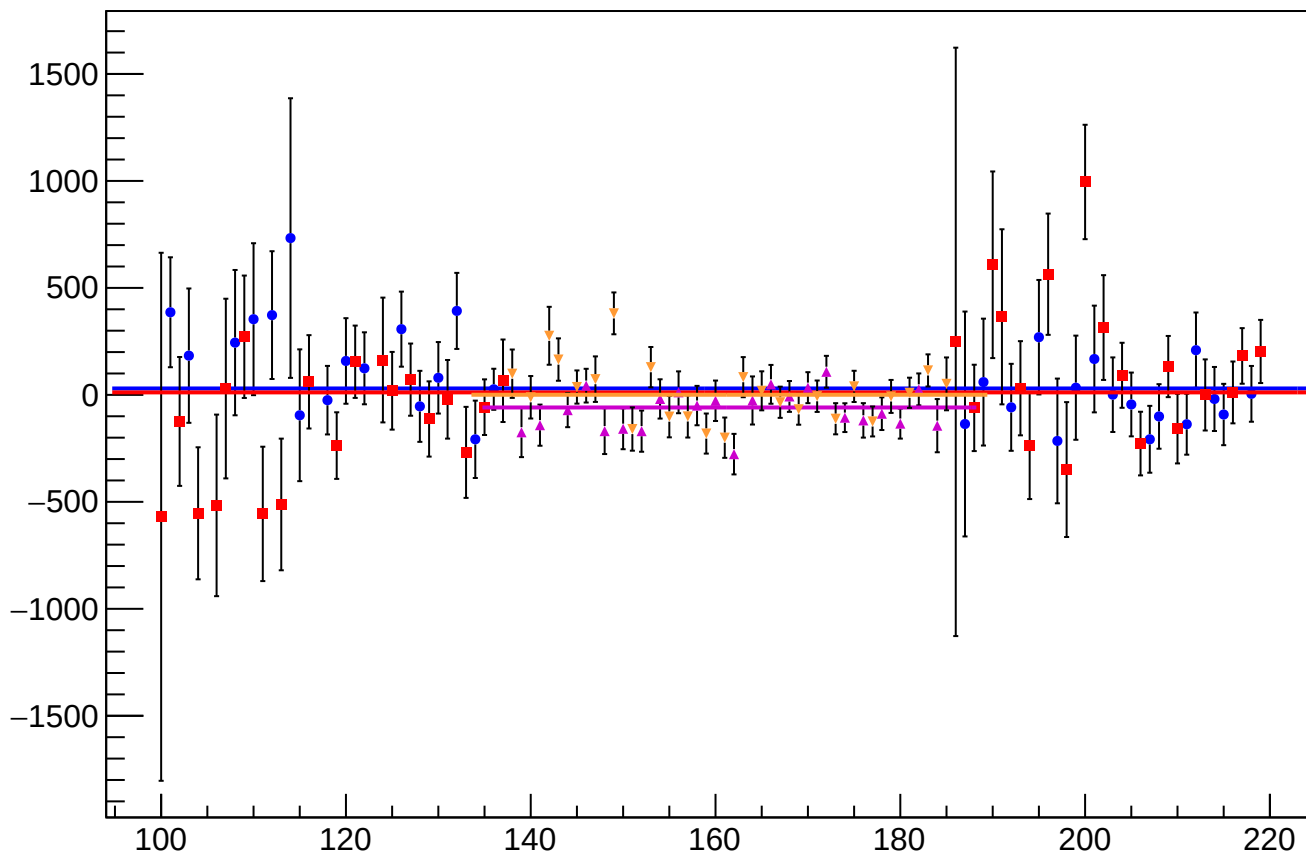
Left In: 441.196 $\pm$ 0.076 χ^2 /NDF:2682075.8/22

+ sign 531.291 $\pm$ 0.071 χ^2 /NDF: 22067650.4/56

All: 534.859 $\pm$ 0.051 χ^2 /NDF: 46069506.5/11

- sign 538.612 $\pm$ 0.073 χ^2 /NDF: 23996640.2/59

cor_asym_sam_26_avg_mean vs Slug



Right In: 29.933+/-32.700 χ^2/NDF : 24.3/31

Left Out: 0.598+/-17.319 χ^2/NDF : 48.6/24

Right Out: 11.587+/-33.305 χ^2/NDF : 50.7/36

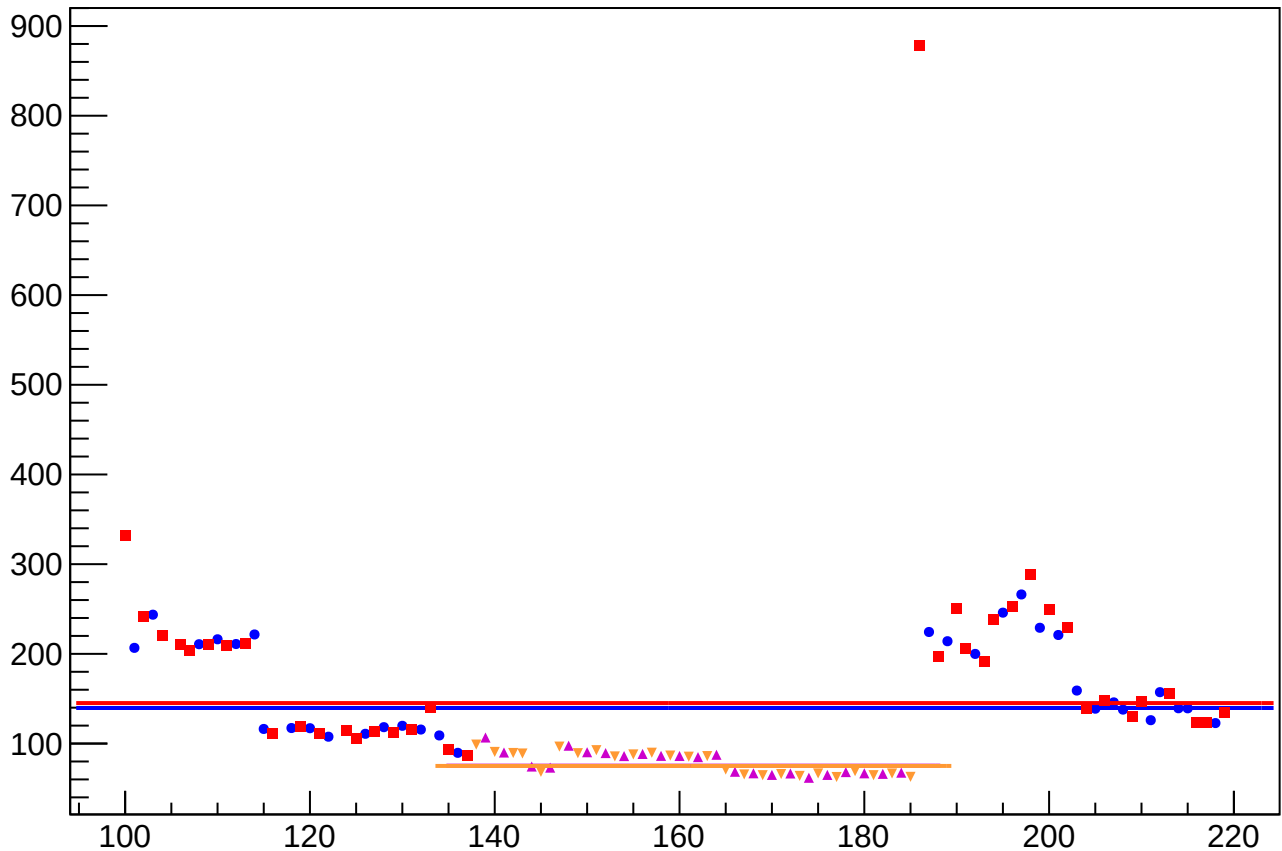
Left In: -58.904+/-17.879 χ^2/NDF : 25.8/22

+ sign 7.024+/-15.305 χ^2/NDF : 73.6/56

All: -17.333+/-10.977 χ^2/NDF : 158.8/116

- sign -43.135+/-15.753 χ^2/NDF : 80.0/59

cor_asym_sam_26_avg_rms vs Slug



Right In: 139.638 $\pm$ 0.023 χ^2 /NDF: 3212418.6/31

Left Out: 75.041 $\pm$ 0.012 χ^2 /NDF:928107.8/24

Right Out: 145.124 $\pm$ 0.024 χ^2 /NDF: 4355830.3/36

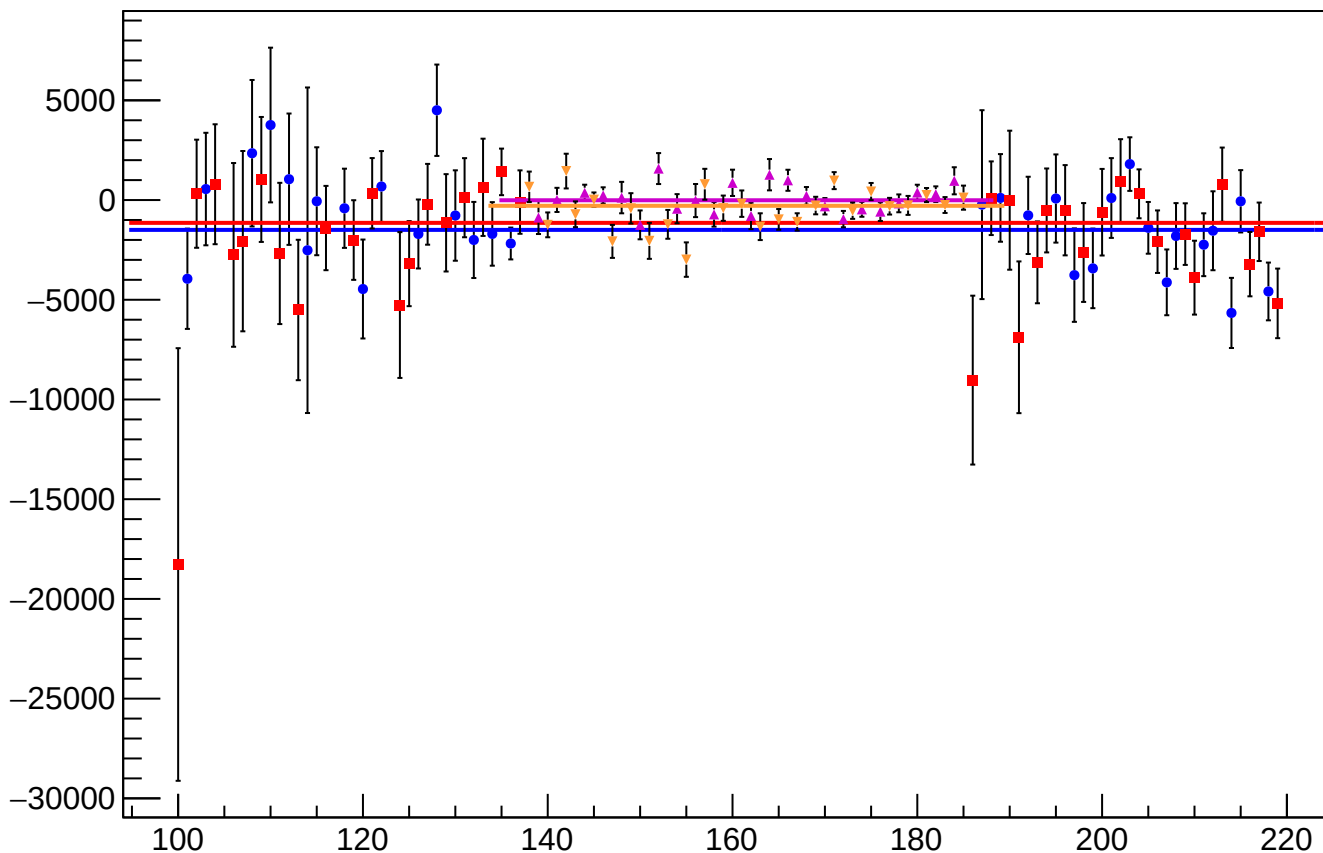
Left In: 75.352 $\pm$ 0.013 χ^2 /NDF:837634.2/22

+ sign 89.192 $\pm$ 0.011 χ^2 /NDF: 10235462.3/56

All: 90.051 $\pm$ 0.008 χ^2 /NDF: 22255583.8/116

- sign 90.961 $\pm$ 0.011 χ^2 /NDF: 12007160.7/59

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1496.371 ± 324.148 χ^2/NDF : 39.9/31

Left Out: -288.079 ± 105.231 χ^2/NDF : 53.3/24

Right Out: -1143.985 ± 339.484 χ^2/NDF : 36.1/36

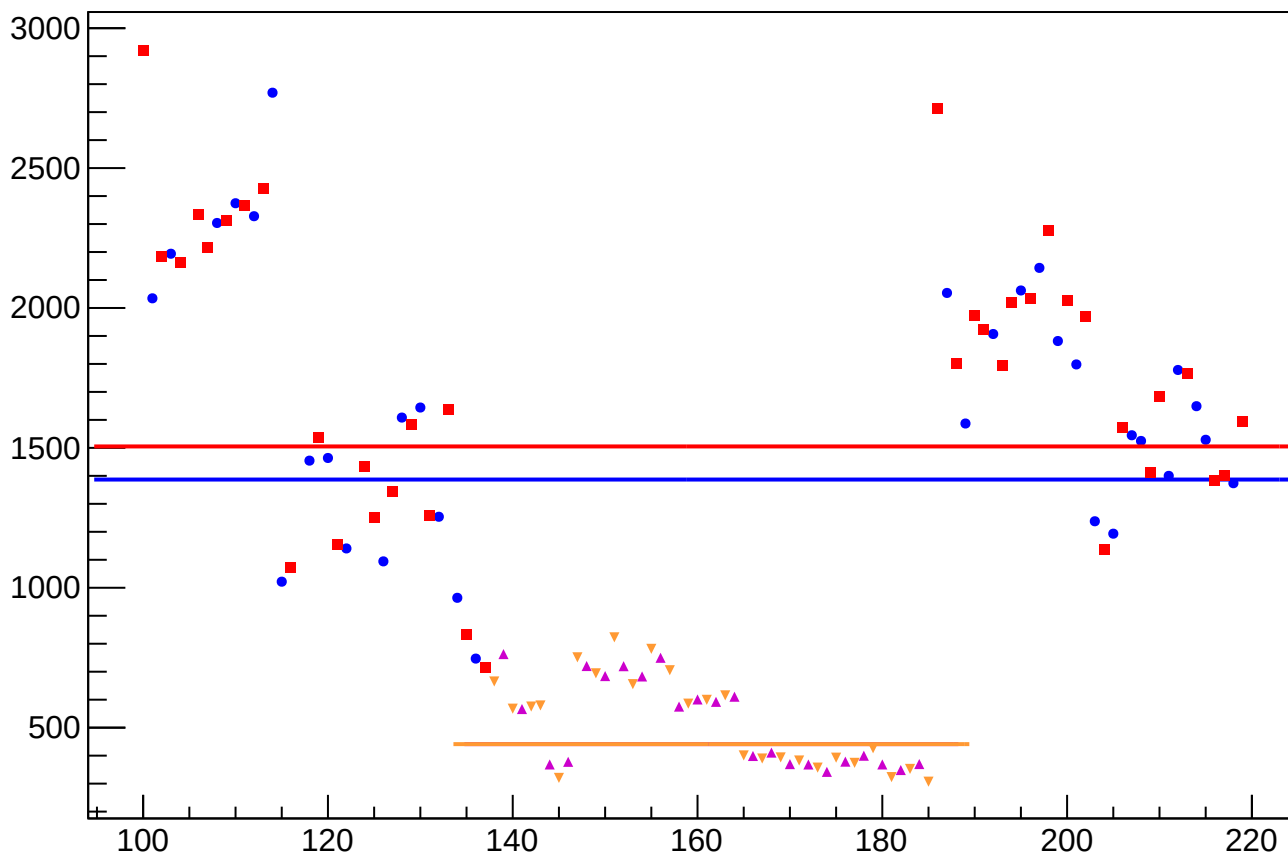
Left In: -10.644 ± 107.670 χ^2/NDF : 33.4/22

+ sign -403.281 ± 100.089 χ^2/NDF : 105.8/56

All: -262.378 ± 71.656 χ^2/NDF : 189.5/116

- sign -114.226 ± 102.631 χ^2/NDF : 79.6/59

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1386.791 $\pm$ 0.229 χ^2/NDF : 3433730.6/31

Left Out: 441.128 $\pm$ 0.074 χ^2/NDF : 3234622.5/24

Right Out: 1505.123 $\pm$ 0.240 χ^2/NDF : 3384254.8/36

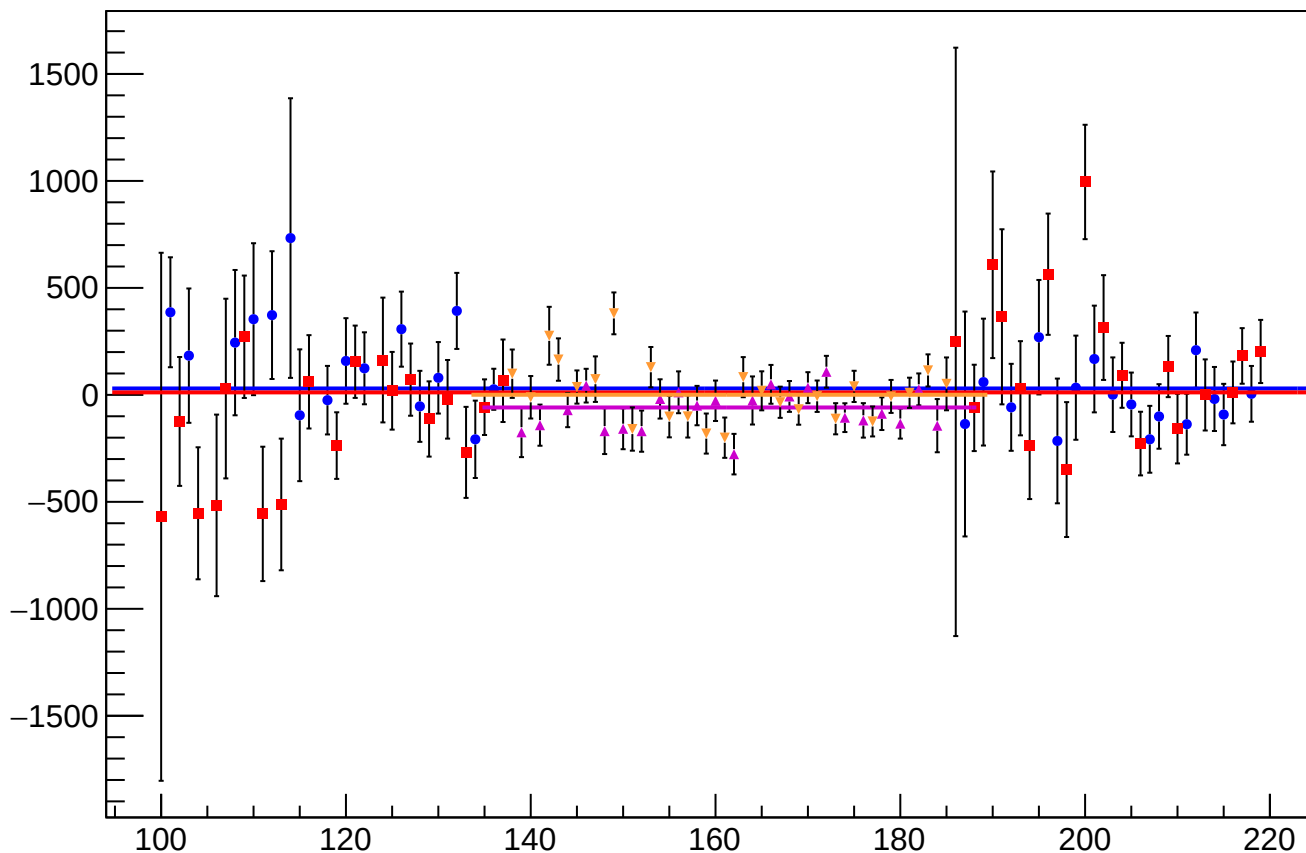
Left In: 441.196 $\pm$ 0.076 χ^2/NDF : 2682073.9/22

+ sign 531.291 $\pm$ 0.071 χ^2/NDF : 22067658.4/56

All: 534.773 $\pm$ 0.051 χ^2/NDF : 45986994.6/11

- sign 538.434 $\pm$ 0.073 χ^2/NDF : 23914370.7/59

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 29.933+/-32.700 χ^2/NDF : 24.3/31

Left Out: 0.598+/-17.319 χ^2/NDF : 48.6/24

Right Out: 11.587+/-33.305 χ^2/NDF : 50.7/36

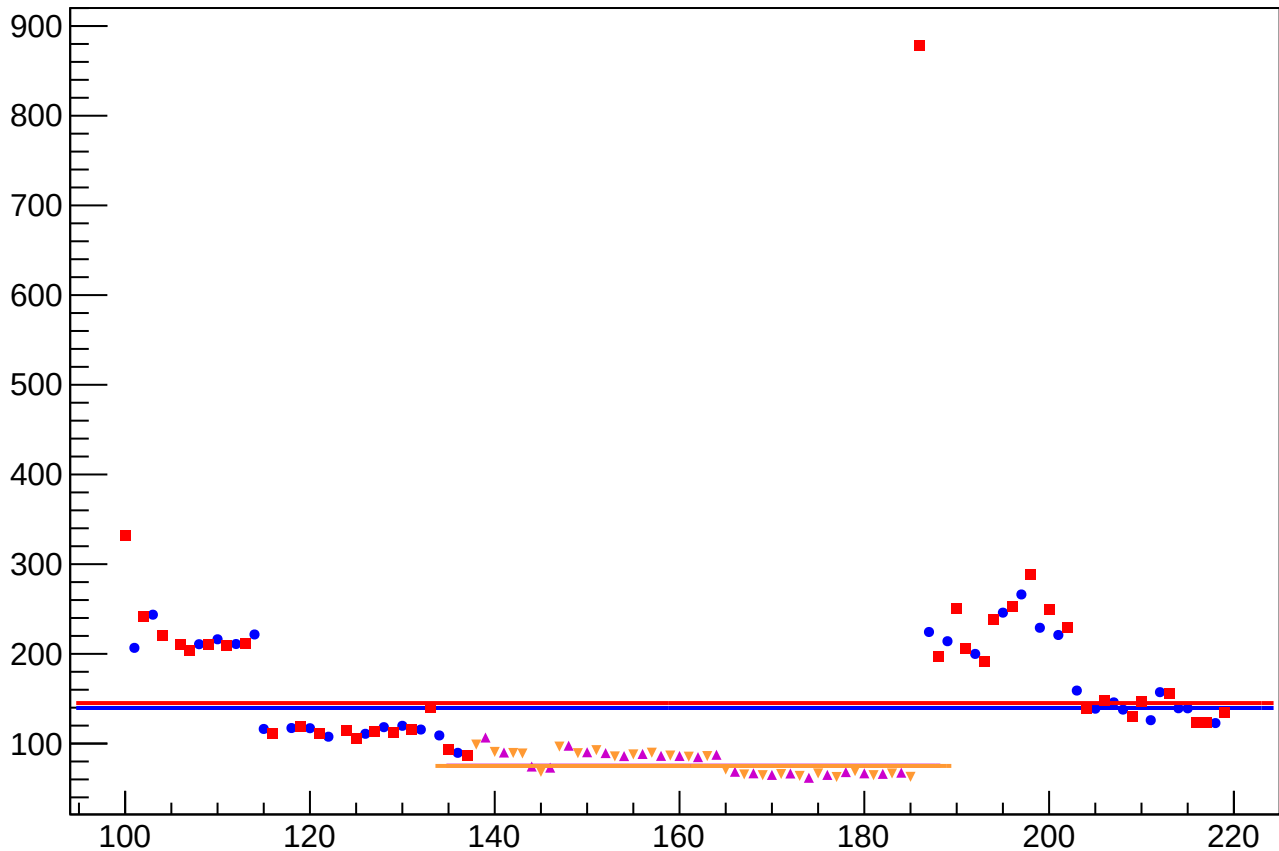
Left In: -58.904+/-17.879 χ^2/NDF : 25.8/22

+ sign 7.024+/-15.305 χ^2/NDF : 73.6/56

All: -17.333+/-10.977 χ^2/NDF : 158.8/116

- sign -43.135+/-15.753 χ^2/NDF : 80.0/59

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 139.638 $\pm$ 0.023 χ^2 /NDF: 3212418.6/31

Left Out: 75.041 $\pm$ 0.012 χ^2 /NDF: 928107.8/24

Right Out: 145.124 $\pm$ 0.024 χ^2 /NDF: 4355830.3/36

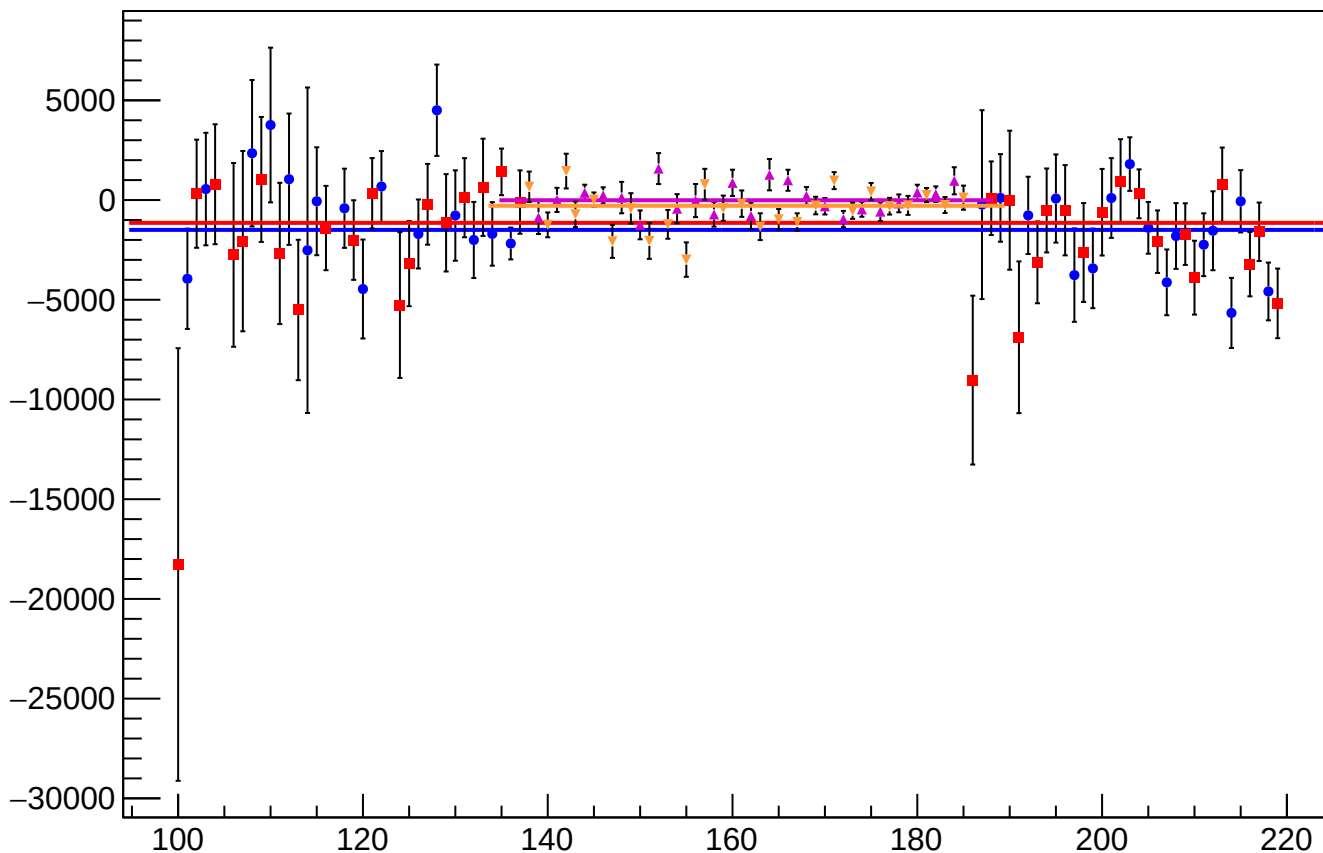
Left In: 75.352 $\pm$ 0.013 χ^2 /NDF: 837634.2/22

+ sign 89.192 $\pm$ 0.011 χ^2 /NDF: 10235462.3/56

All: 90.051 $\pm$ 0.008 χ^2 /NDF: 22255583.8/116

- sign 90.961 $\pm$ 0.011 χ^2 /NDF: 12007160.7/59

asym_sam_26_avg_eigen_cor_correction_mean vs Slug



Right In: -1496.371 ± 324.148 χ^2/NDF : 39.9/31

Left Out: -288.079 ± 105.231 χ^2/NDF : 53.3/24

Right Out: -1143.985 ± 339.484 χ^2/NDF : 36.1/36

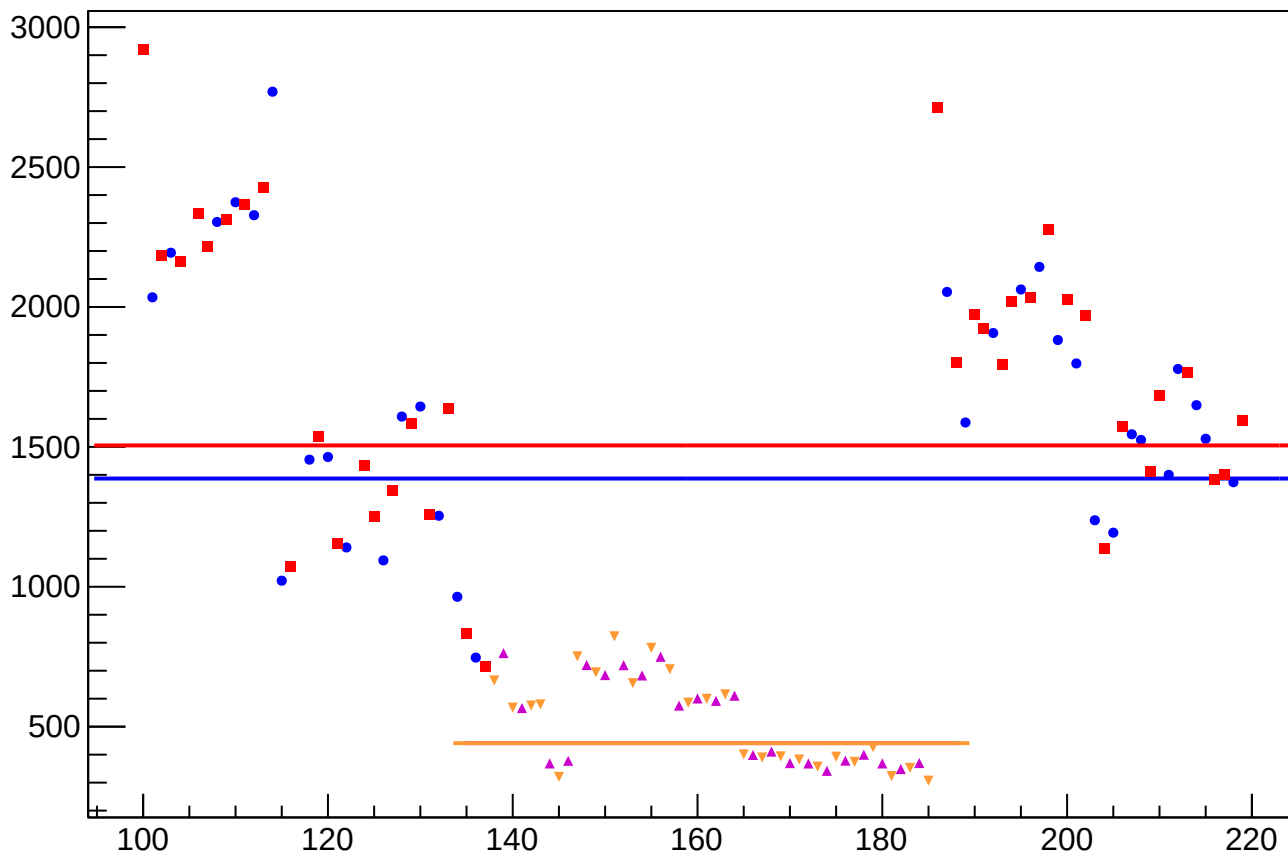
Left In: -10.644 ± 107.670 χ^2/NDF : 33.4/22

+ sign -403.281 ± 100.089 χ^2/NDF : 105.8/56

All: -262.378 ± 71.656 χ^2/NDF : 189.5/116

- sign -114.226 ± 102.631 χ^2/NDF : 79.6/59

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1386.791 $\pm$ 0.229 χ^2 /NDF: 3433730.6/31

Left Out: 441.128 $\pm$ 0.074 χ^2 /NDF:3234622.5/24

Right Out: 1505.123 $\pm$ 0.240 χ^2 /NDF: 3384254.8/36

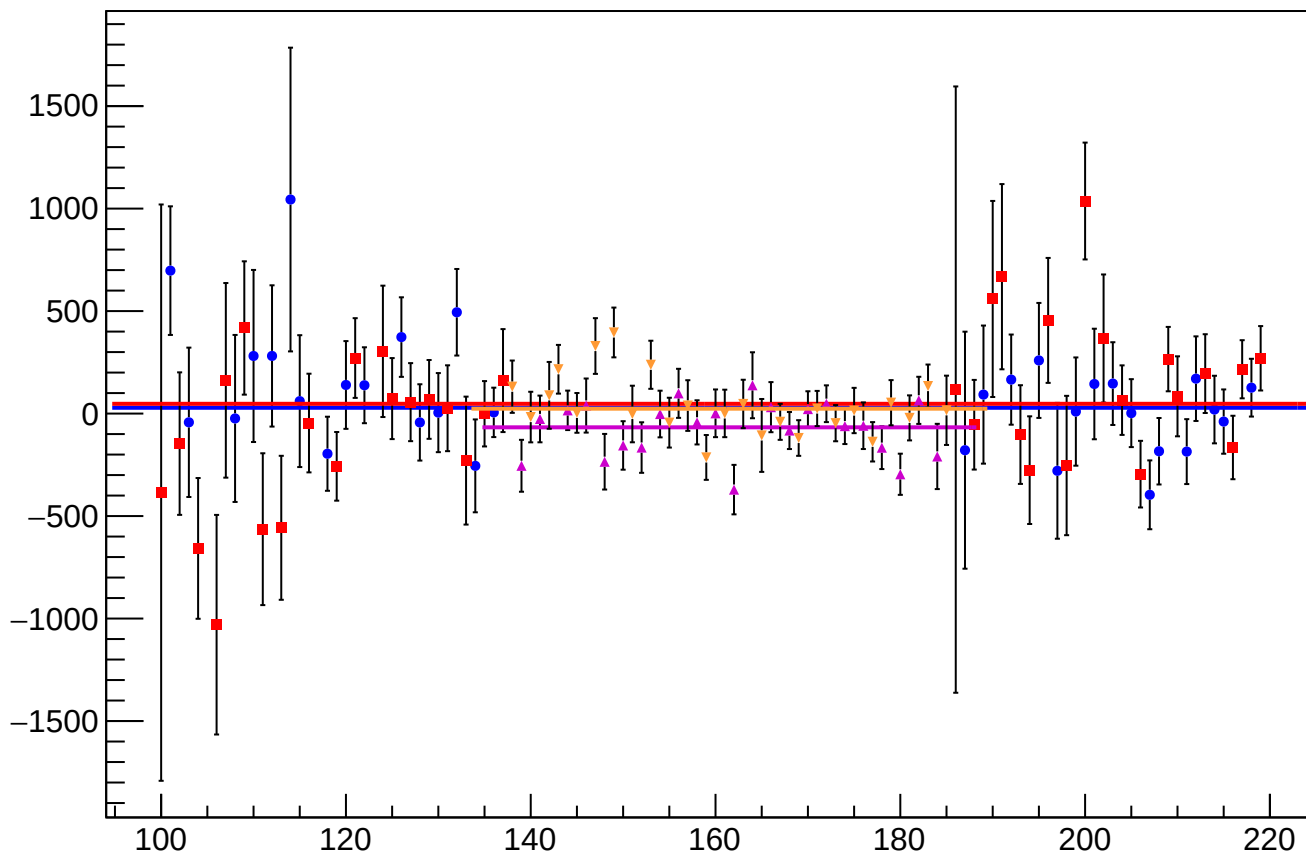
Left In: 441.196 $\pm$ 0.076 χ^2 /NDF:2682073.9/22

+ sign 531.291 $\pm$ 0.071 χ^2 /NDF: 22067658.4/56

All: 534.773 $\pm$ 0.051 χ^2 /NDF: 45986994.6/11

- sign 538.434 $\pm$ 0.073 χ^2 /NDF: 23914370.7/59

dit_asym_sam_26_avg_mean vs Slug



Right In: 28.351 ± 36.965 χ^2/NDF : 33.1/31

Left Out: 23.873 ± 22.414 χ^2/NDF : 35.2/24

Right Out: 47.656 ± 37.518 χ^2/NDF : 55.4/36

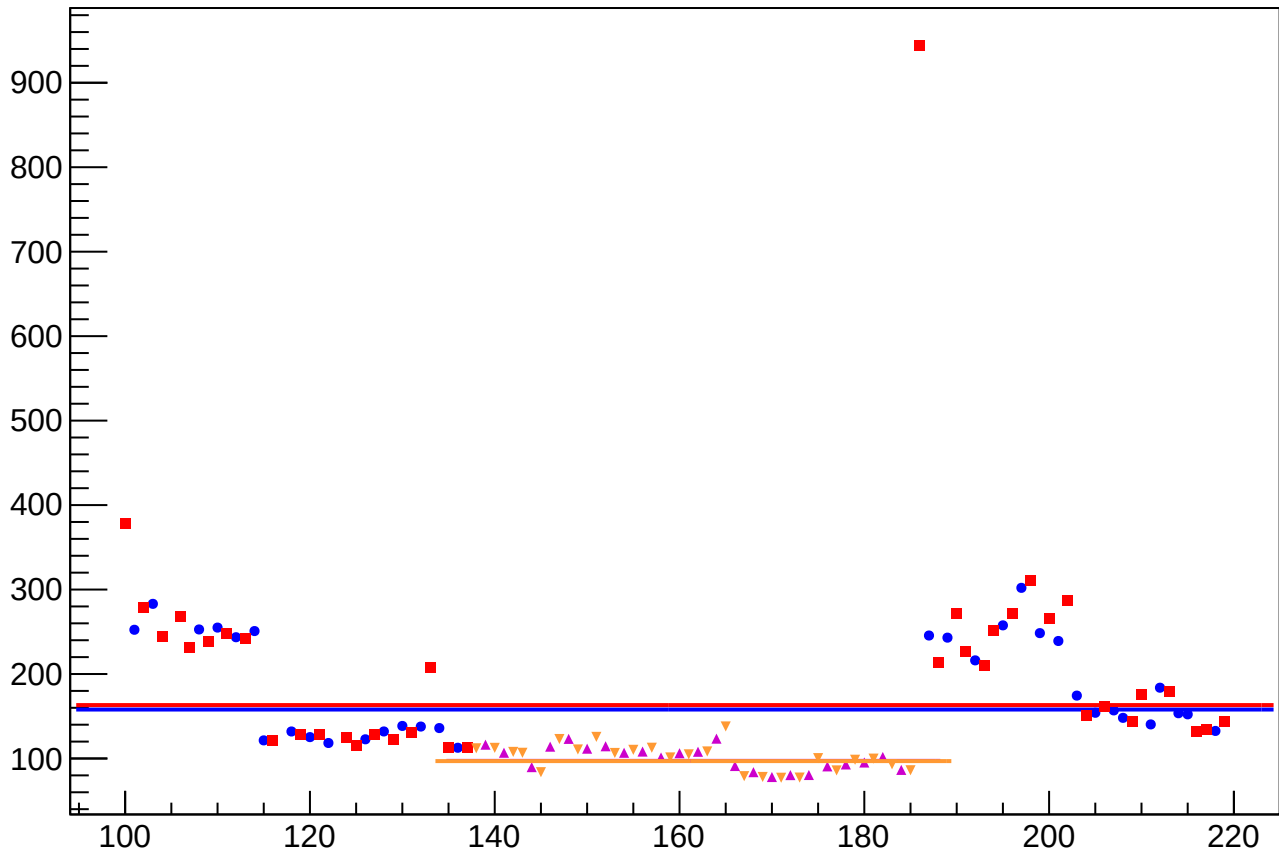
Left In: -67.086 ± 23.121 χ^2/NDF : 28.6/22

+ sign 25.077 ± 19.166 χ^2/NDF : 68.3/56

All: -4.406 ± 13.732 χ^2/NDF : 163.9/116

- sign -35.503 ± 19.683 χ^2/NDF : 90.8/59

dit_asym_sam_26_avg_rms vs Slug



Right In: 157.952 $\pm$ 0.026 χ^2 /NDF: 2942716.7/31

Left Out: 96.907 $\pm$ 0.016 χ^2 /NDF:933980.7/24

Right Out: 163.222 $\pm$ 0.027 χ^2 /NDF: 4250780.7/36

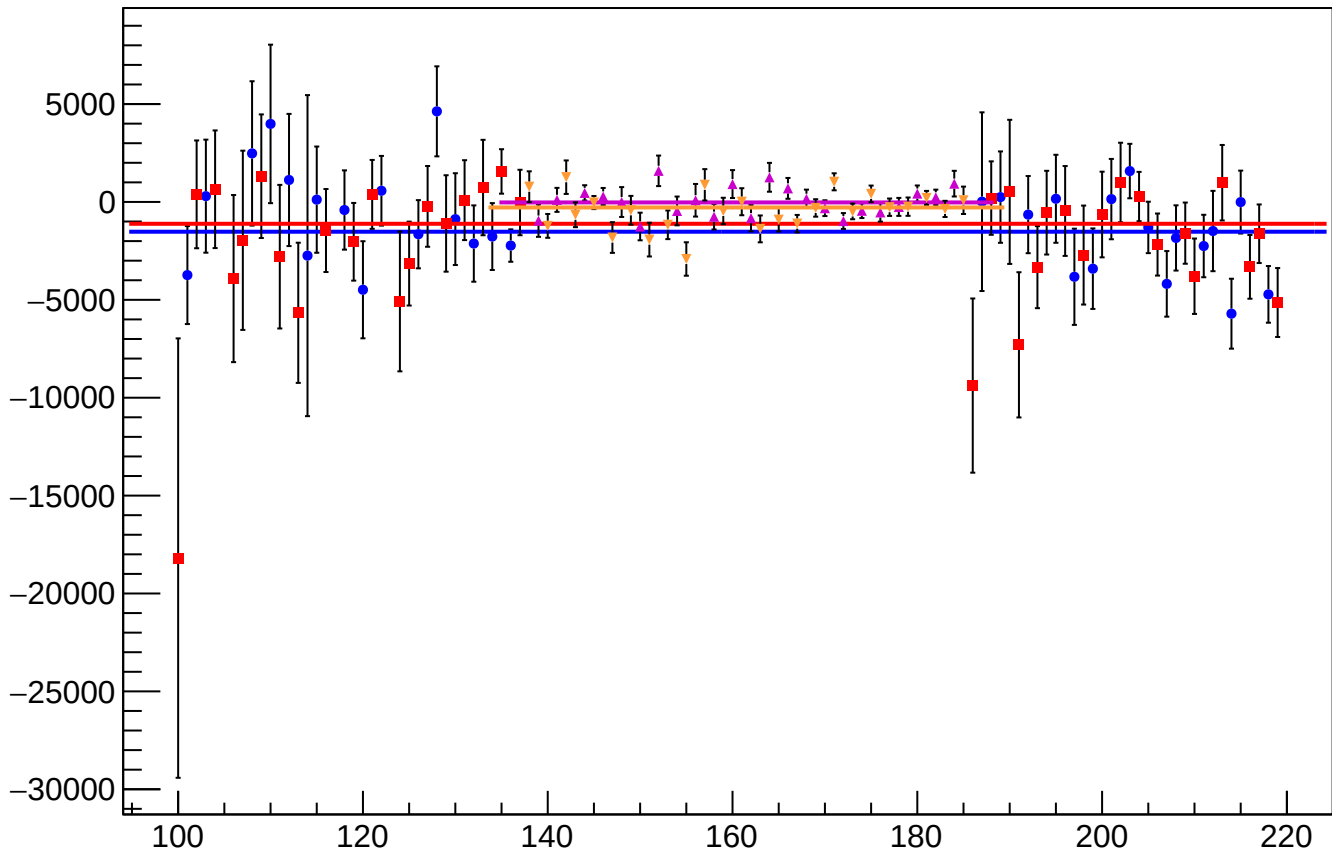
Left In: 97.167 $\pm$ 0.016 χ^2 /NDF:674595.2/22

+ sign 113.318 $\pm$ 0.014 χ^2 /NDF: 7864903.8/56

All: 114.306 $\pm$ 0.010 χ^2 /NDF: 17294307.8/11

- sign 115.349 $\pm$ 0.014 χ^2 /NDF: 9418479.0/59

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1520.961 ± 331.698 χ^2/NDF : 39.3/31

Left Out: -282.422 ± 106.394 χ^2/NDF : 50.4/24

Right Out: -1115.318 ± 343.151 χ^2/NDF : 37.8/36

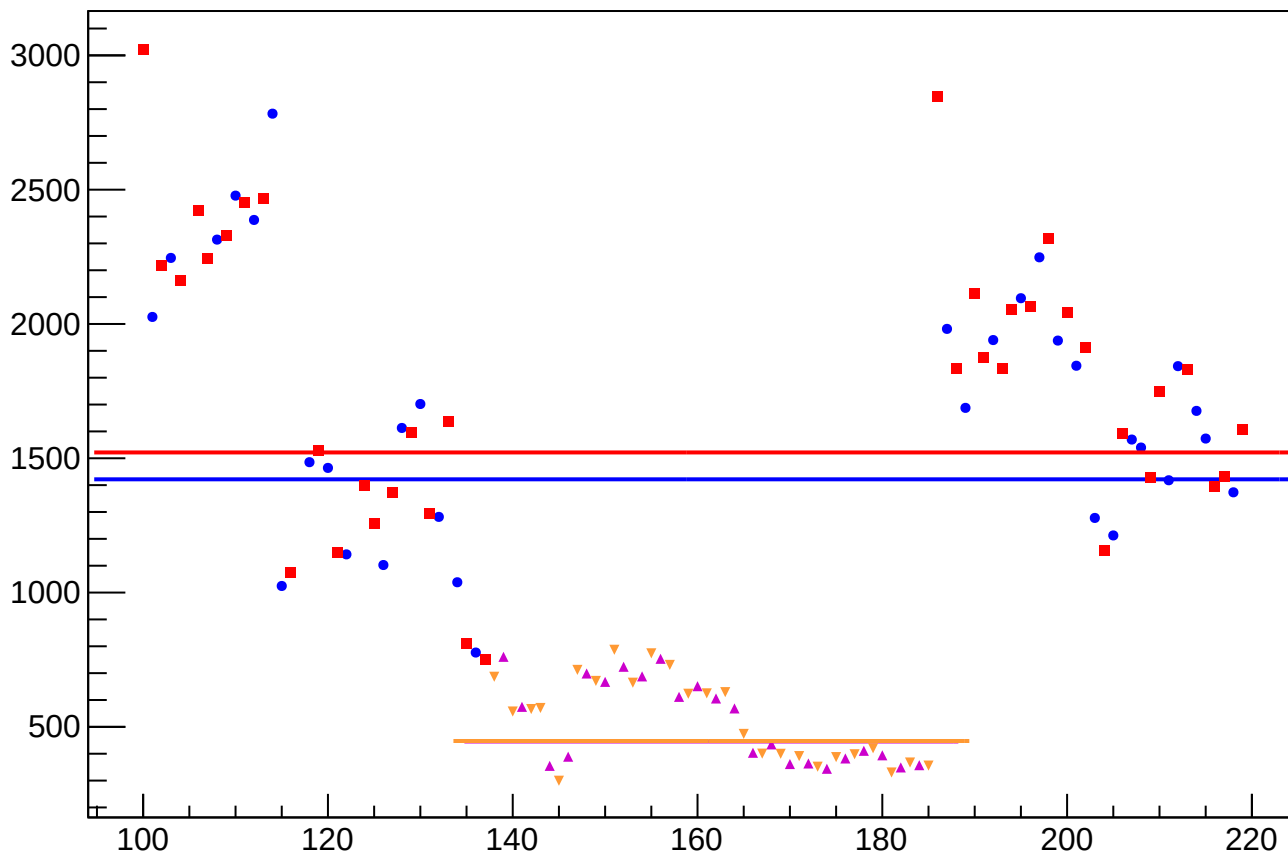
Left In: -24.625 ± 108.884 χ^2/NDF : 32.9/22

+ sign -397.962 ± 101.310 χ^2/NDF : 102.3/56

All: -264.478 ± 72.496 χ^2/NDF : 185.8/116

- sign -124.394 ± 103.784 χ^2/NDF : 79.9/59

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1421.624 $\pm$ 0.235 χ^2 /NDF: 3336110.9/31

Left Out: 447.386 $\pm$ 0.075 χ^2 /NDF: 3197771.9/24

Right Out: 1521.678 $\pm$ 0.243 χ^2 /NDF: 3504199.7/36

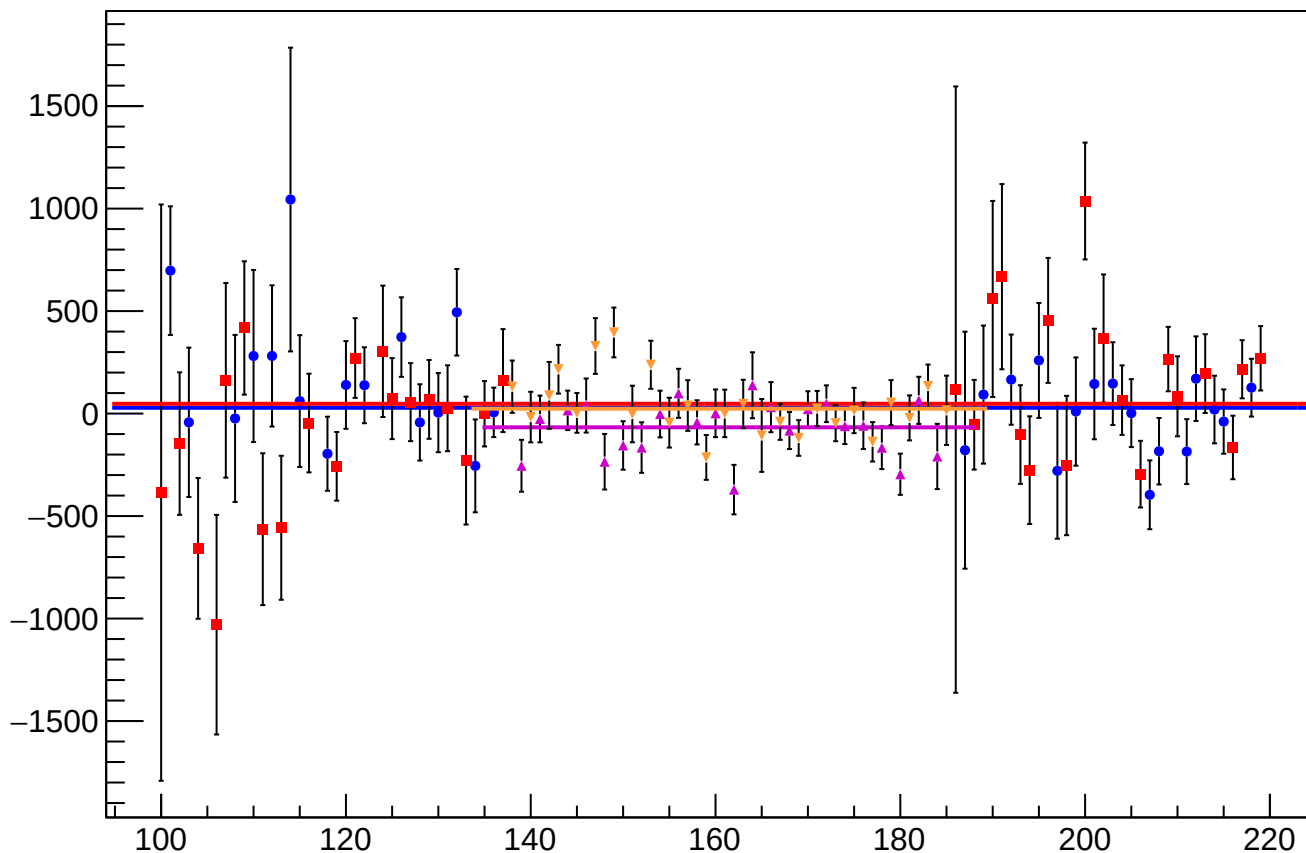
Left In: 445.491 $\pm$ 0.077 χ^2 /NDF: 2713295.1/22

+ sign 538.269 $\pm$ 0.072 χ^2 /NDF: 22177789.3/56

All: 541.033 $\pm$ 0.051 χ^2 /NDF: 46270322.8/11

- sign 543.933 $\pm$ 0.073 χ^2 /NDF: 24089483.4/59

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 28.355 ± 36.965 χ^2/NDF : 33.1/31

Left Out: 23.872 ± 22.414 χ^2/NDF : 35.2/24

Right Out: 47.657 ± 37.518 χ^2/NDF : 55.4/36

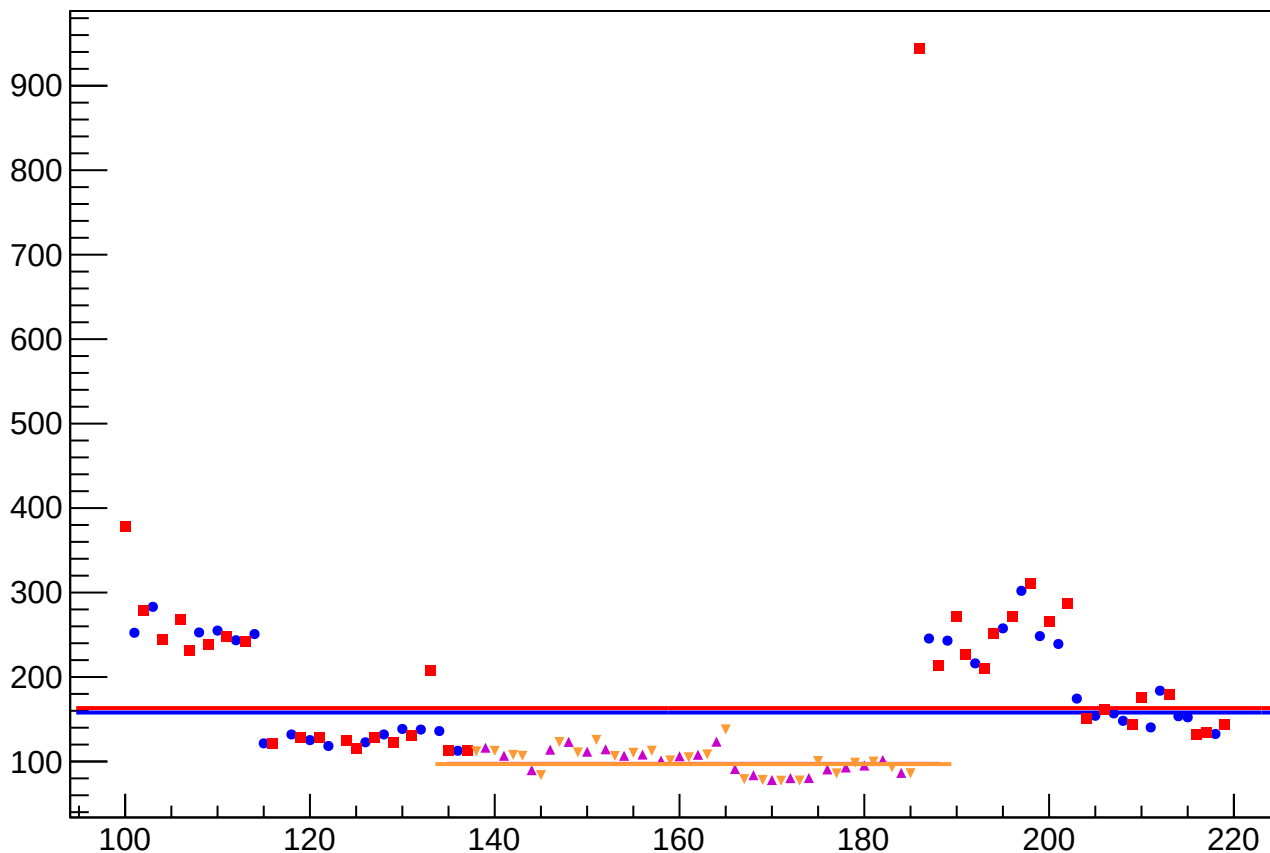
Left In: -67.085 ± 23.121 χ^2/NDF : 28.6/22

+ sign 25.077 ± 19.166 χ^2/NDF : 68.3/56

All: -4.406 ± 13.732 χ^2/NDF : 163.9/116

- sign -35.502 ± 19.683 χ^2/NDF : 90.8/59

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 157.952 $\pm$ 0.026 χ^2 /NDF: 2942723.8/31

Left Out: 96.907 $\pm$ 0.016 χ^2 /NDF:933979.3/24

Right Out: 163.221 $\pm$ 0.027 χ^2 /NDF: 4250784.4/36

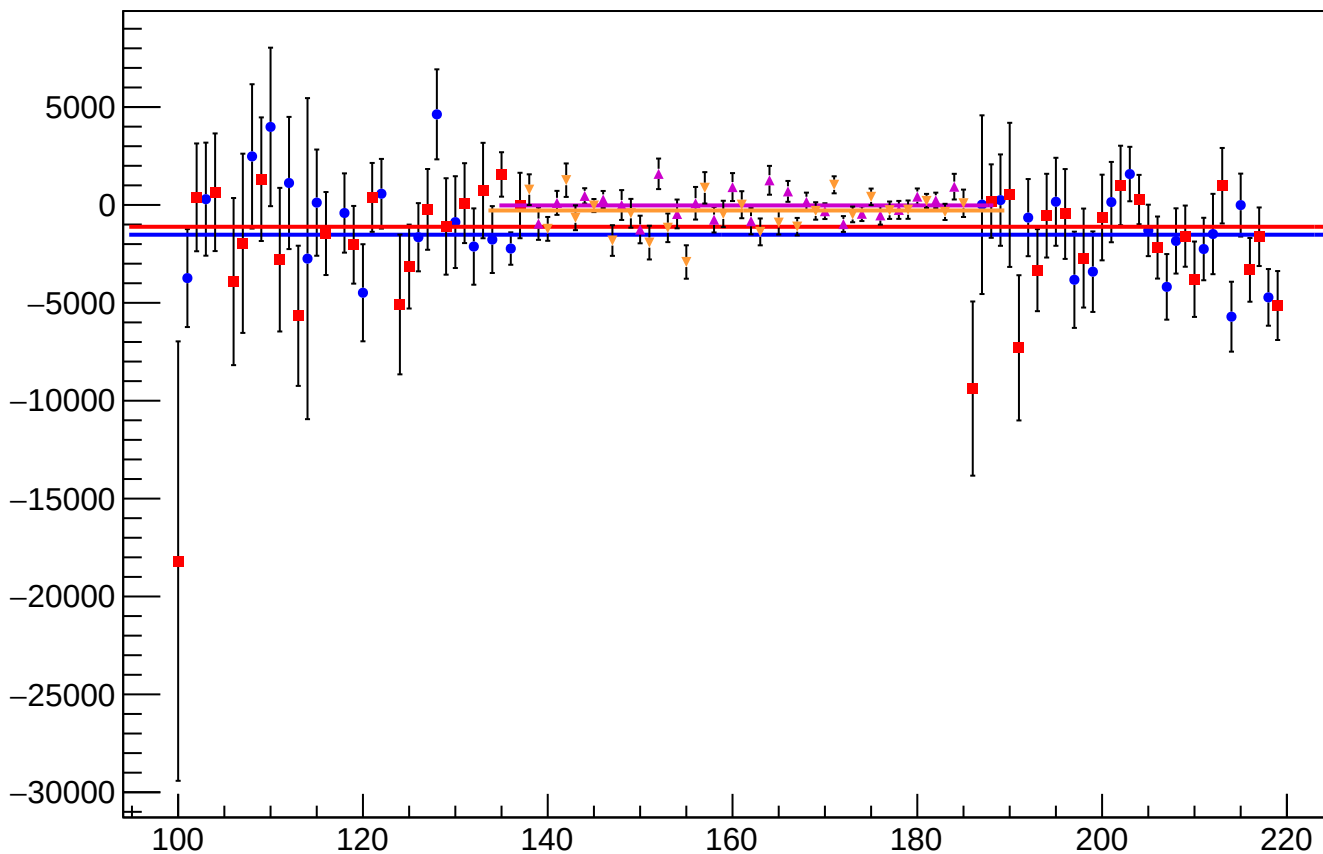
Left In: 97.168 $\pm$ 0.016 χ^2 /NDF:674586.0/22

+ sign 113.318 $\pm$ 0.014 χ^2 /NDF: 7864834.0/56

All: 114.307 $\pm$ 0.010 χ^2 /NDF: 17294150.0/11

- sign 115.349 $\pm$ 0.014 χ^2 /NDF: 9418389.9/59

asym_sam_26_avg_eigen_dit_correction_mean vs Slug



Right In: -1520.960 ± 331.698 χ^2/NDF : 39.3/31

Left Out: -282.421 ± 106.394 χ^2/NDF : 50.4/24

Right Out: -1115.318 ± 343.151 χ^2/NDF : 37.8/36

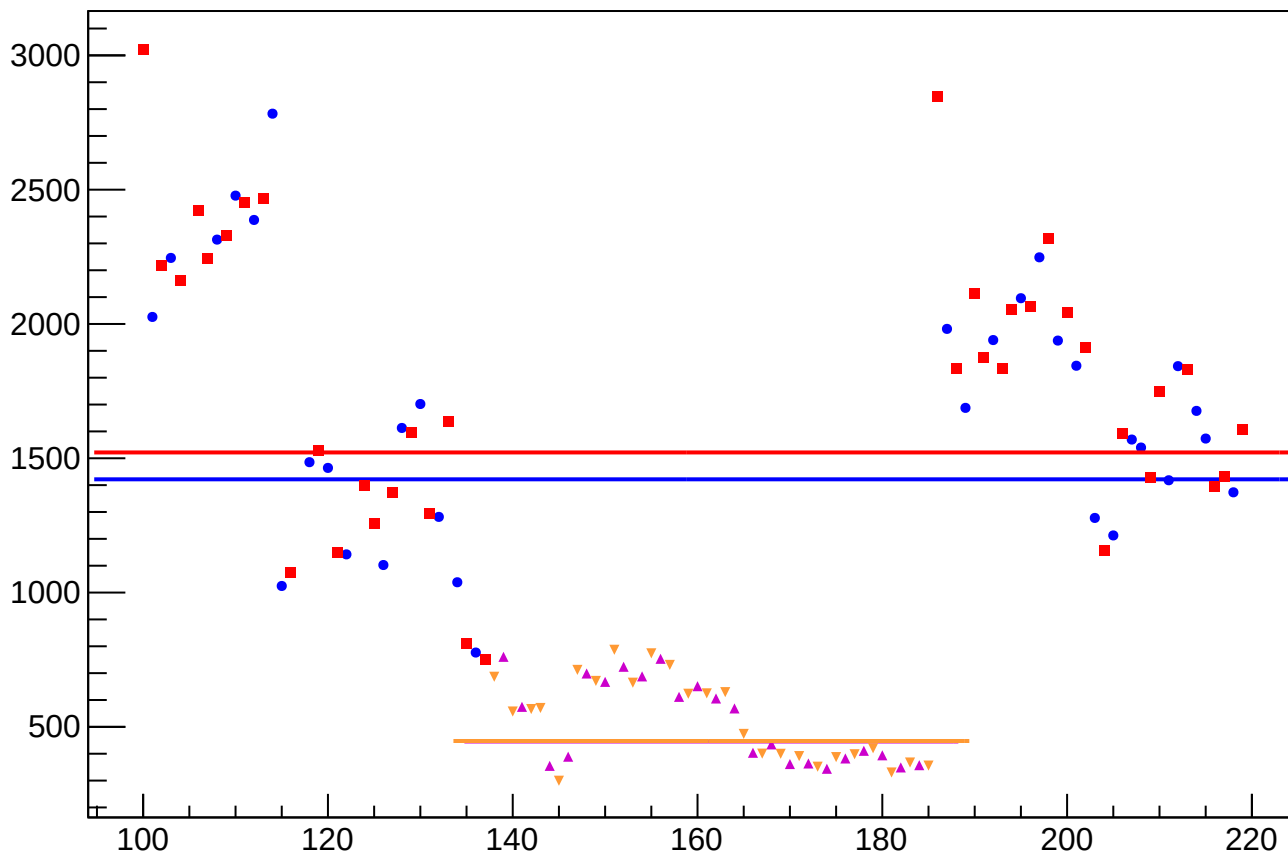
Left In: -24.626 ± 108.884 χ^2/NDF : 32.9/22

+ sign -397.961 ± 101.310 χ^2/NDF : 102.3/56

All: -264.477 ± 72.496 χ^2/NDF : 185.8/116

- sign -124.395 ± 103.784 χ^2/NDF : 79.9/59

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1421.624 $\pm$ 0.235 χ^2 /NDF: 3336091.6/31

Left Out: 447.385 $\pm$ 0.075 χ^2 /NDF: 3197793.9/24

Right Out: 1521.678 $\pm$ 0.243 χ^2 /NDF: 3504181.0/36

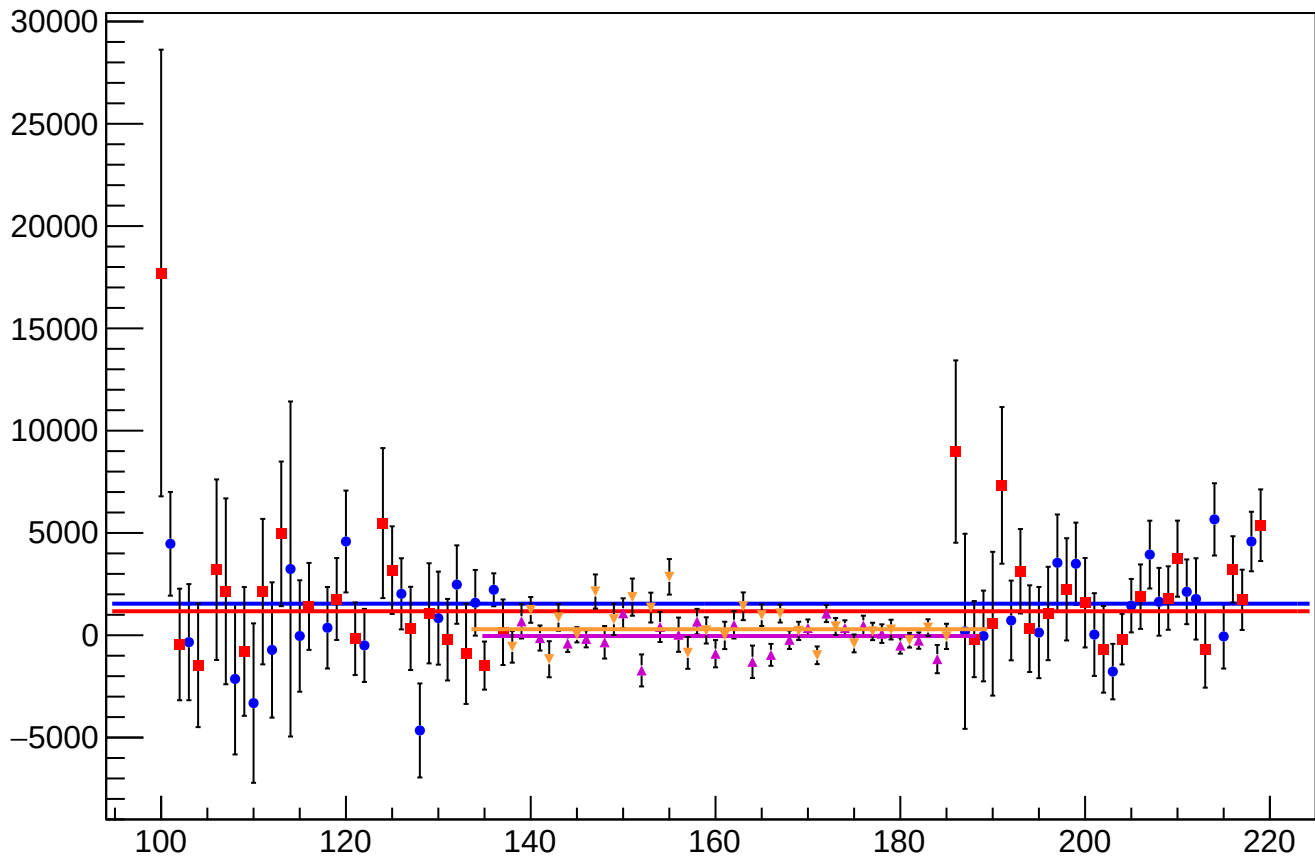
Left In: 445.491 $\pm$ 0.077 χ^2 /NDF: 2713303.9/22

+ sign 538.269 $\pm$ 0.072 χ^2 /NDF: 22177817.2/56

All: 541.033 $\pm$ 0.051 χ^2 /NDF: 46270365.0/11

- sign 543.933 $\pm$ 0.073 χ^2 /NDF: 24089497.6/59

asym_sam_26_avg_mean vs Slug



Right In: 1542.763 $\pm$ 326.185 χ^2 /NDF: 39.2/31

Left Out: 295.006 $\pm$ 106.810 χ^2 /NDF: 50.5/24

Right Out: 1173.079 $\pm$ 341.367 χ^2 /NDF: 35.4/36

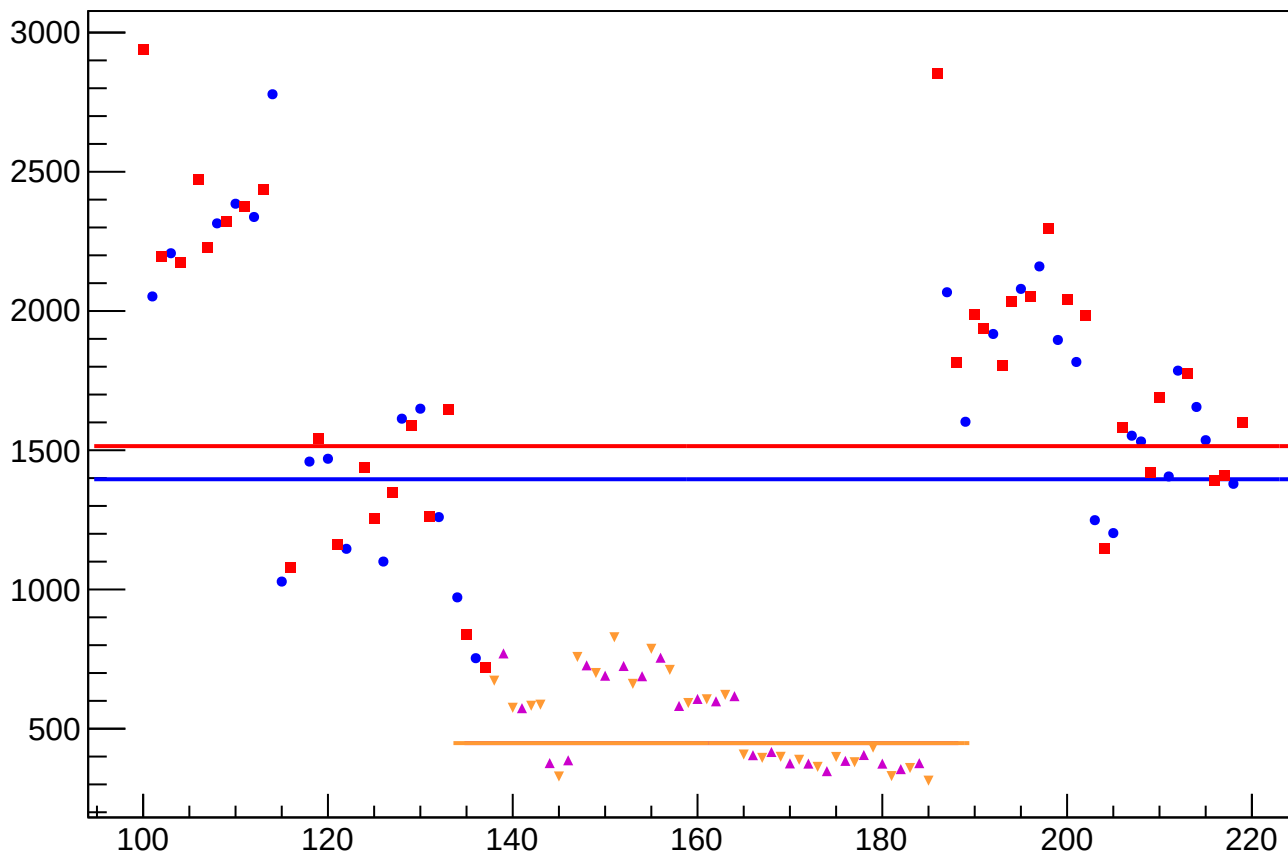
Left In: -38.107 $\pm$ 109.315 χ^2 /NDF: 32.9/22

+ sign 415.840 $\pm$ 101.506 χ^2 /NDF: 102.9/56

All: 249.509 $\pm$ 72.678 χ^2 /NDF: 188.2/116

- sign 74.544 $\pm$ 104.108 χ^2 /NDF: 79.7/59

asym_sam_26_avg_rms vs Slug



Right In: 1395.854 $\pm$ 0.231 χ^2 /NDF: 3418043.0/31

Left Out: 448.278 $\pm$ 0.076 χ^2 /NDF: 3156909.8/24

Right Out: 1514.806 $\pm$ 0.241 χ^2 /NDF: 3431858.9/36

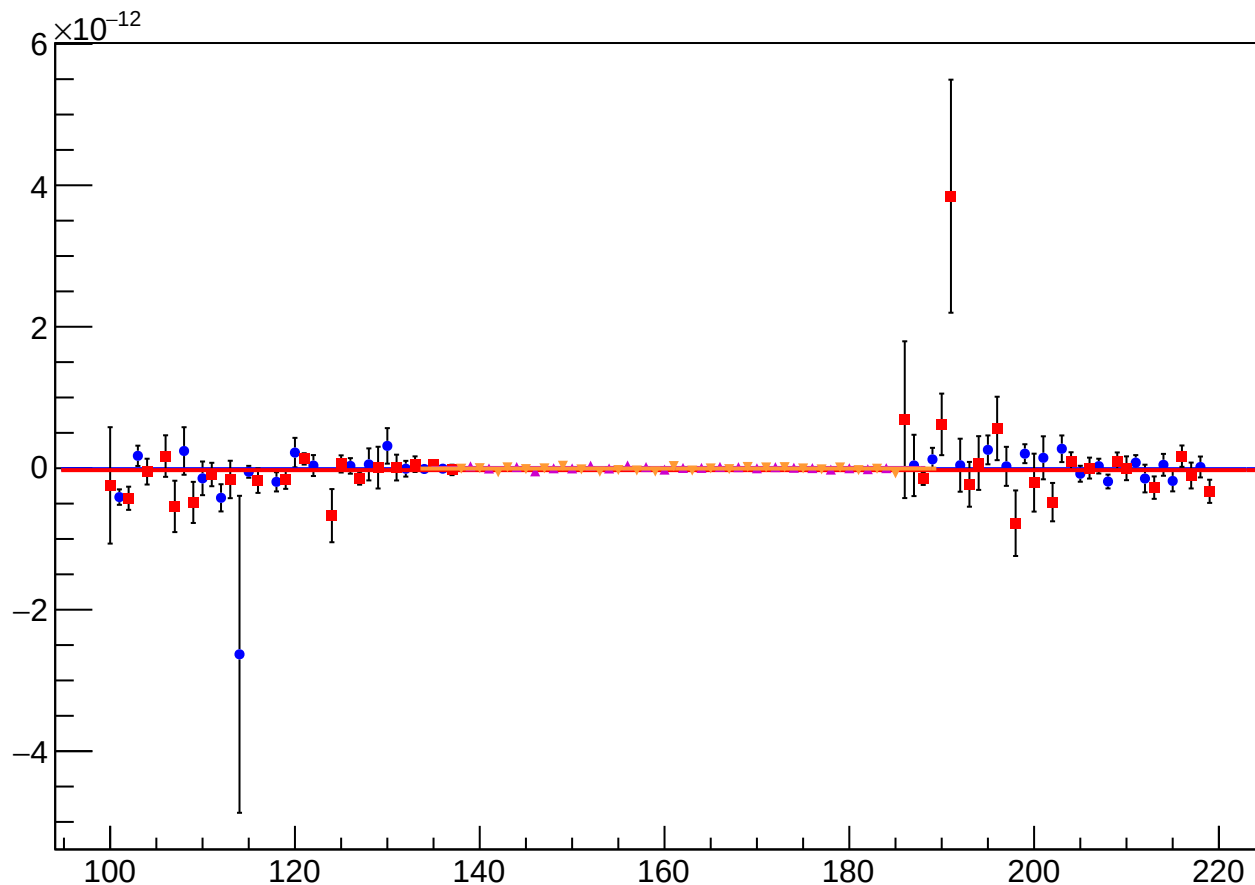
Left In: 448.397 $\pm$ 0.077 χ^2 /NDF: 2620759.6/22

+ sign 540.042 $\pm$ 0.072 χ^2 /NDF: 21818746.5/56

All: 543.717 $\pm$ 0.051 χ^2 /NDF: 45579305.9/11

- sign 547.582 $\pm$ 0.074 χ^2 /NDF: 23755181.3/59

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 41.1/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 23.2/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 53.1/36

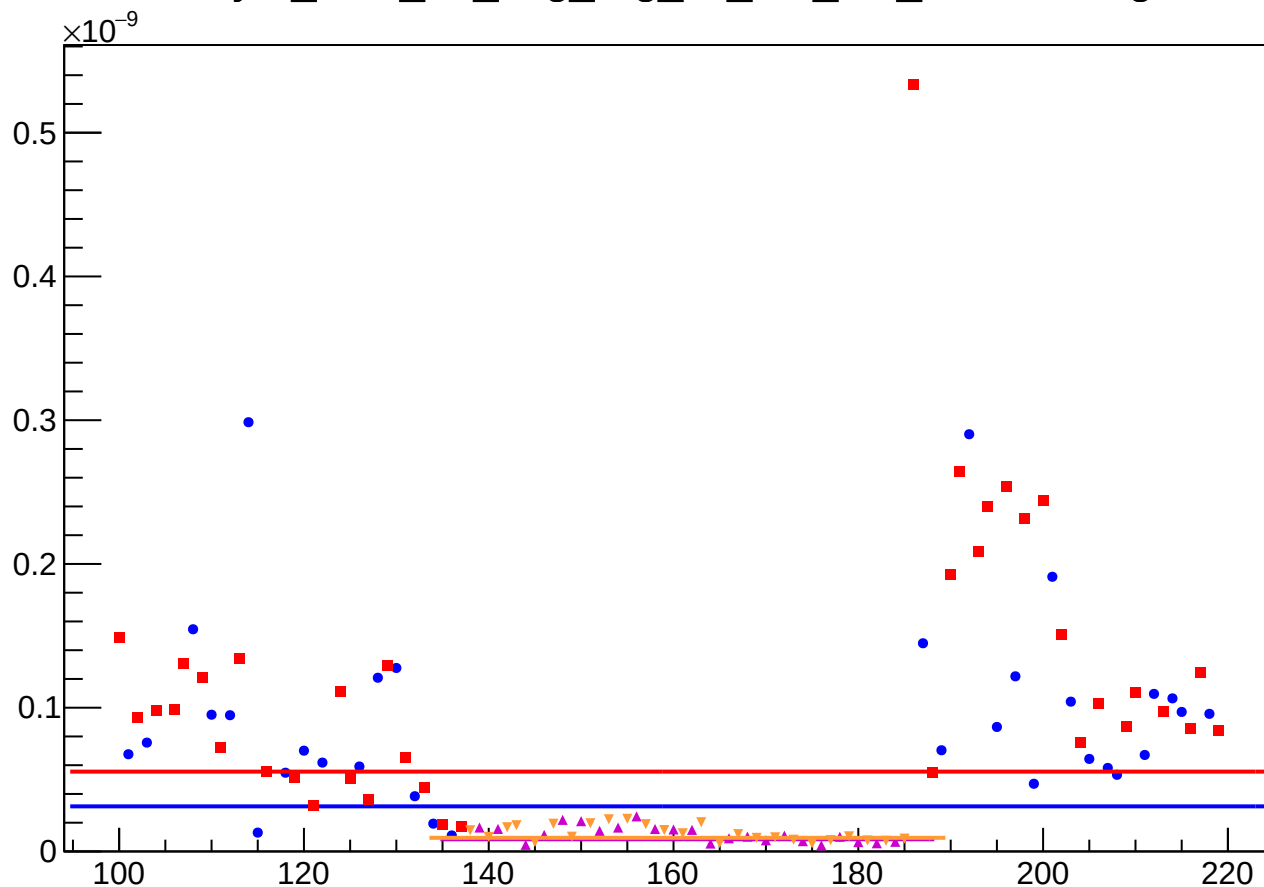
Left In: 0.000 ± 0.000 χ^2/NDF : 16.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 64.5/56

All: -0.000 ± 0.000 χ^2/NDF : 138.5/116

- sign 0.000 ± 0.000 χ^2/NDF : 71.6/59

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8704679.4/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2422094.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6843317.1/36

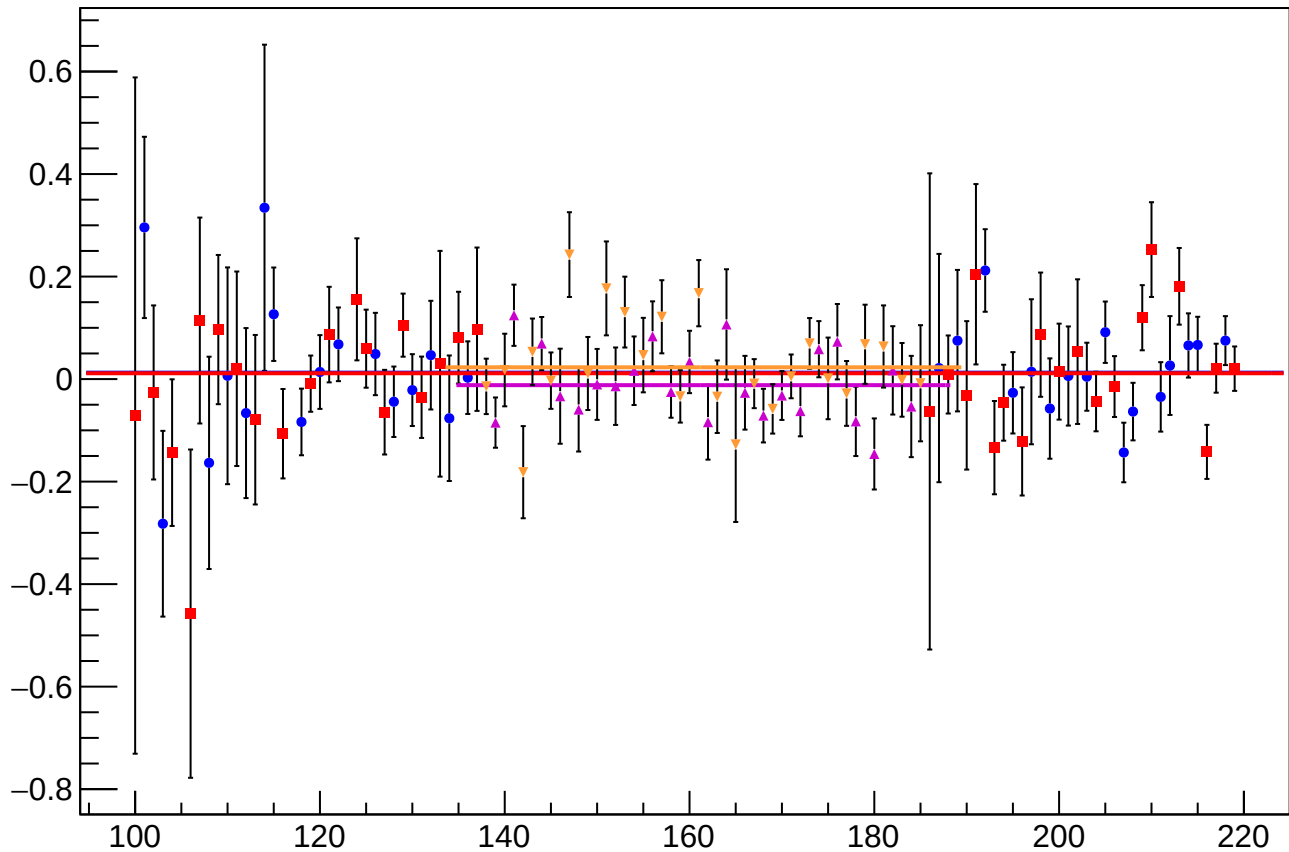
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2739291.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14614580.7/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32240111.0/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17551912.0/59

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 ± 0.014 χ^2/NDF : 35.1/31

Left Out: 0.023 ± 0.013 χ^2/NDF : 34.2/24

Right Out: 0.011 ± 0.014 χ^2/NDF : 44.2/36

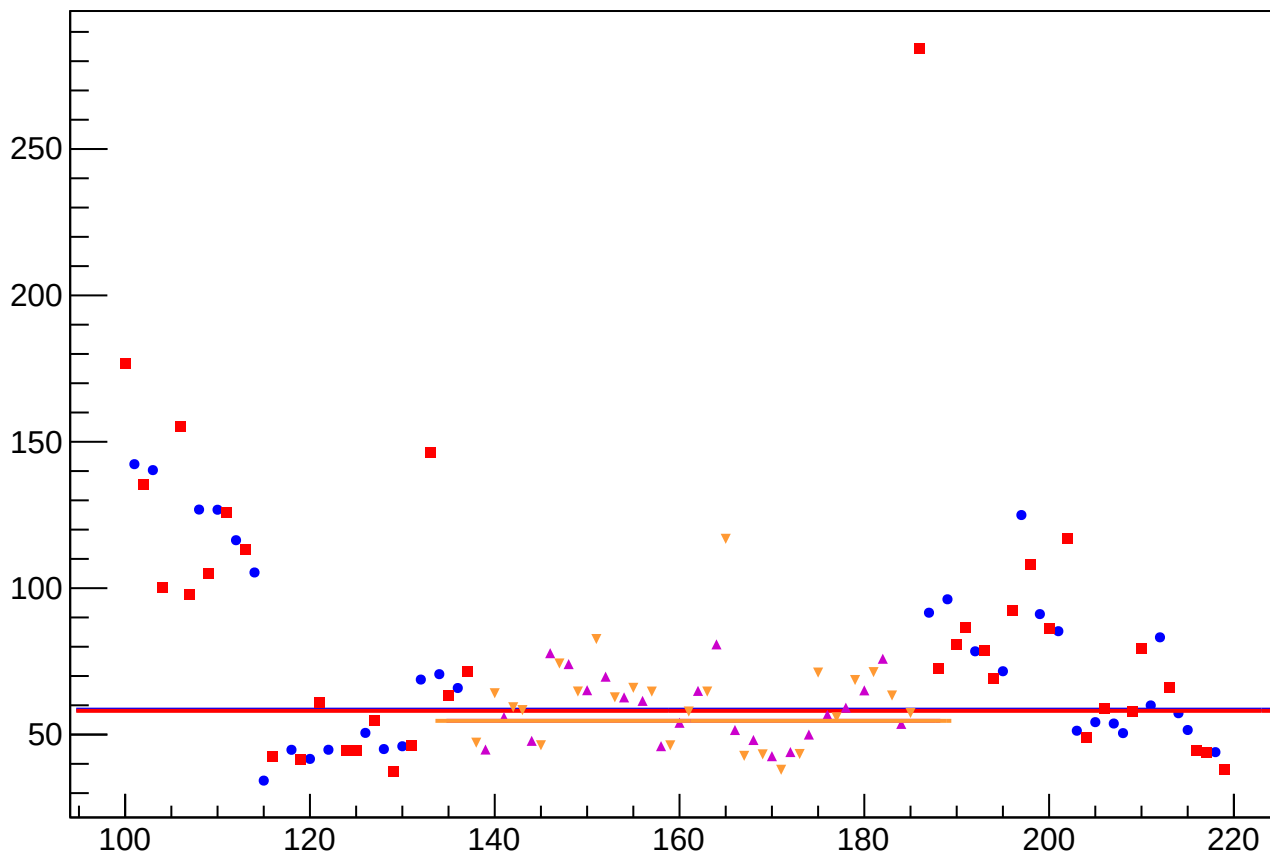
Left In: -0.012 ± 0.013 χ^2/NDF : 25.9/22

+ sign 0.018 ± 0.010 χ^2/NDF : 69.5/56

All: 0.009 ± 0.007 χ^2/NDF : 143.1/116

- sign -0.001 ± 0.010 χ^2/NDF : 71.6/59

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 58.507 $\pm$ 0.010 χ^2 /NDF: 3828911.6/31

Left Out: 54.686 $\pm$ 0.009 χ^2 /NDF: 1936559.5/24

Right Out: 58.108 $\pm$ 0.010 χ^2 /NDF: 5343650.8/36

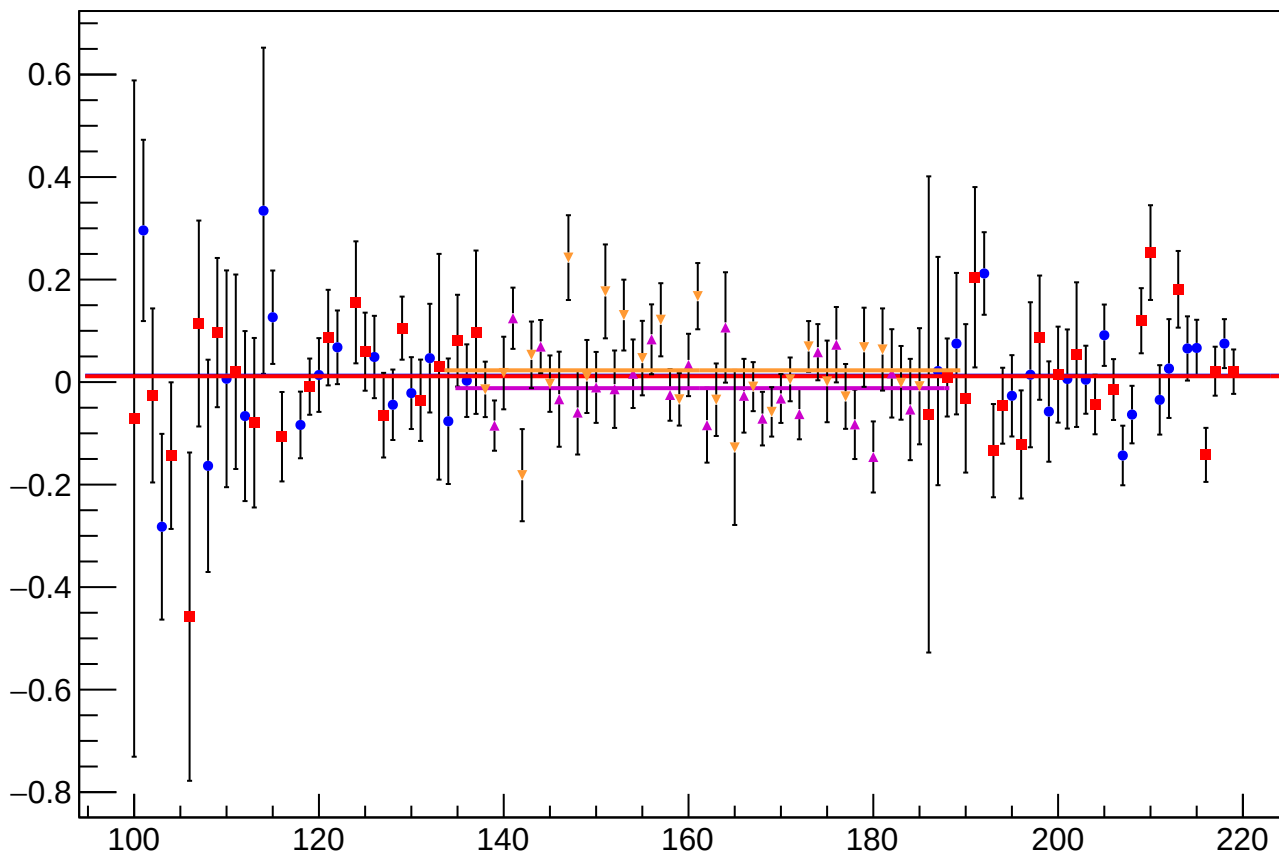
Left In: 54.688 $\pm$ 0.009 χ^2 /NDF: 1190787.0/22

+ sign 56.414 $\pm$ 0.007 χ^2 /NDF: 5844480.5/56

All: 56.364 $\pm$ 0.005 χ^2 /NDF: 12442224.4/116

- sign 56.312 $\pm$ 0.007 χ^2 /NDF: 6597630.7/59

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 $\pm$ 0.014 χ^2 /NDF: 35.1/31

Left Out: 0.023 $\pm$ 0.013 χ^2 /NDF:34.2/24

Right Out: 0.011 $\pm$ 0.014 χ^2 /NDF: 44.2/36

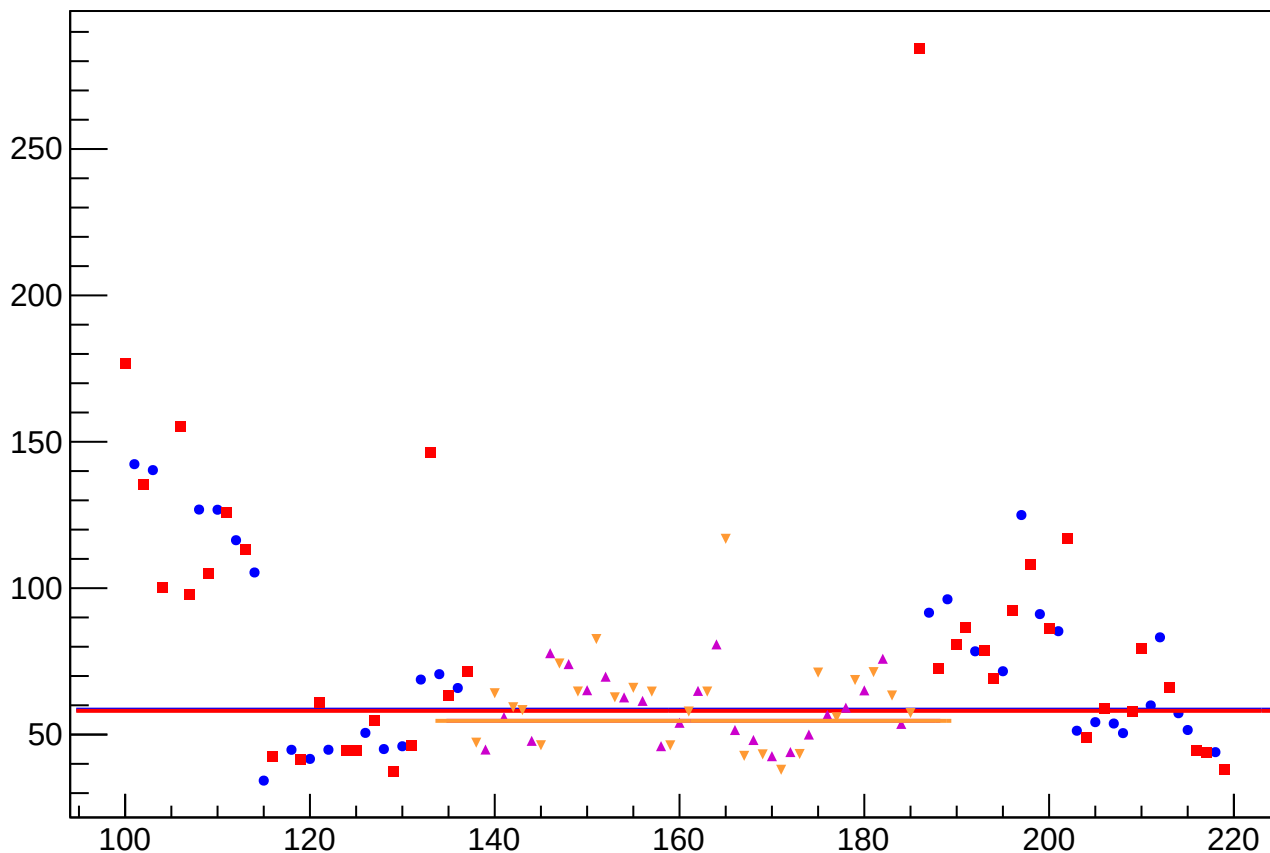
Left In: -0.012 $\pm$ 0.013 χ^2 /NDF:25.9/22

+ sign 0.018 $\pm$ 0.010 χ^2 /NDF: 69.5/56

All: 0.009 $\pm$ 0.007 χ^2 /NDF: 143.1/116

- sign -0.001 $\pm$ 0.010 χ^2 /NDF: 71.6/59

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.507 $\pm$ 0.010 χ^2 /NDF: 3828911.6/31

Left Out: 54.686 $\pm$ 0.009 χ^2 /NDF: 1936559.5/24

Right Out: 58.108 $\pm$ 0.010 χ^2 /NDF: 5343650.8/36

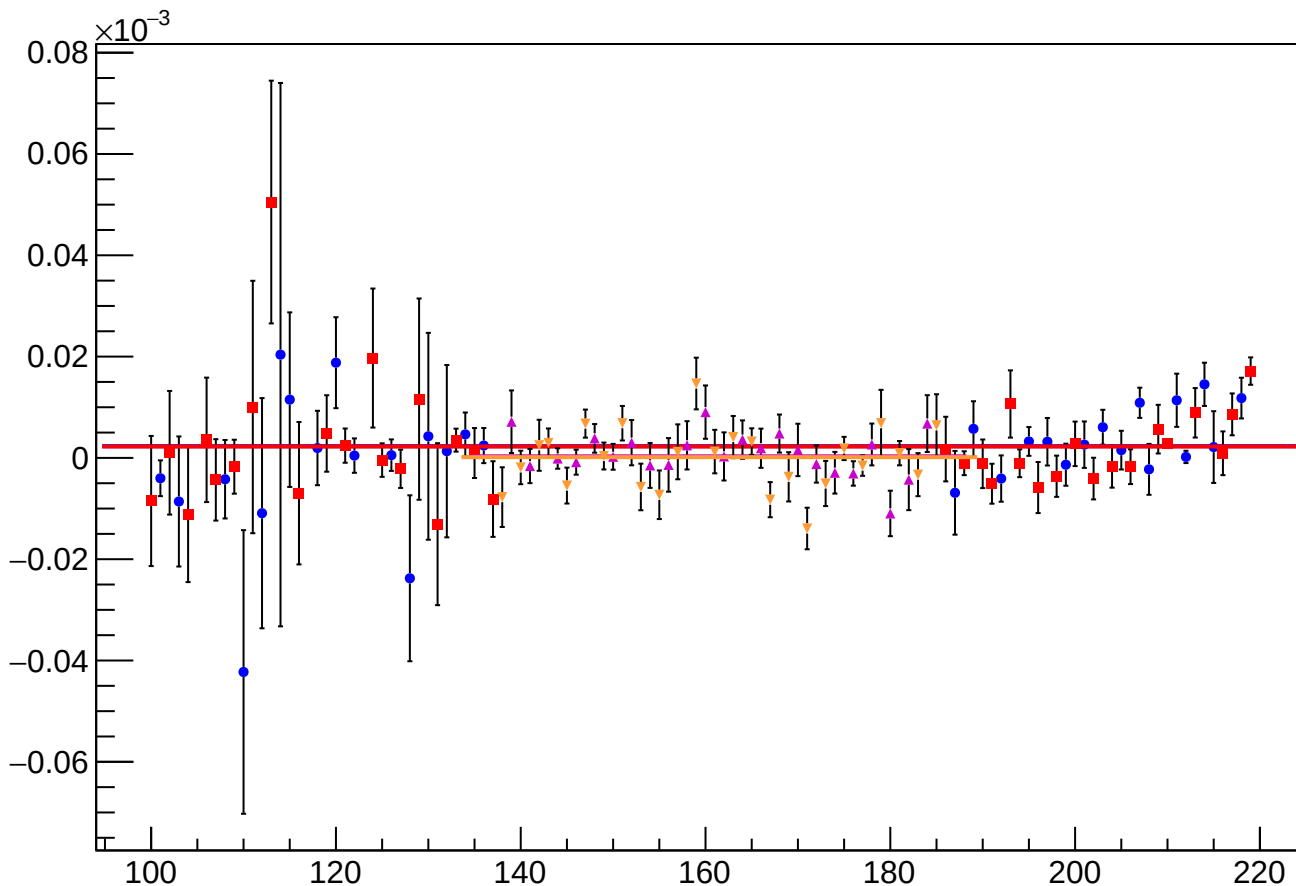
Left In: 54.688 $\pm$ 0.009 χ^2 /NDF: 1190787.0/22

+ sign 56.414 $\pm$ 0.007 χ^2 /NDF: 5844480.5/56

All: 56.364 $\pm$ 0.005 χ^2 /NDF: 12442224.4/116

- sign 56.312 $\pm$ 0.007 χ^2 /NDF: 6597630.7/59

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 49.4/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:53.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 68.9/36

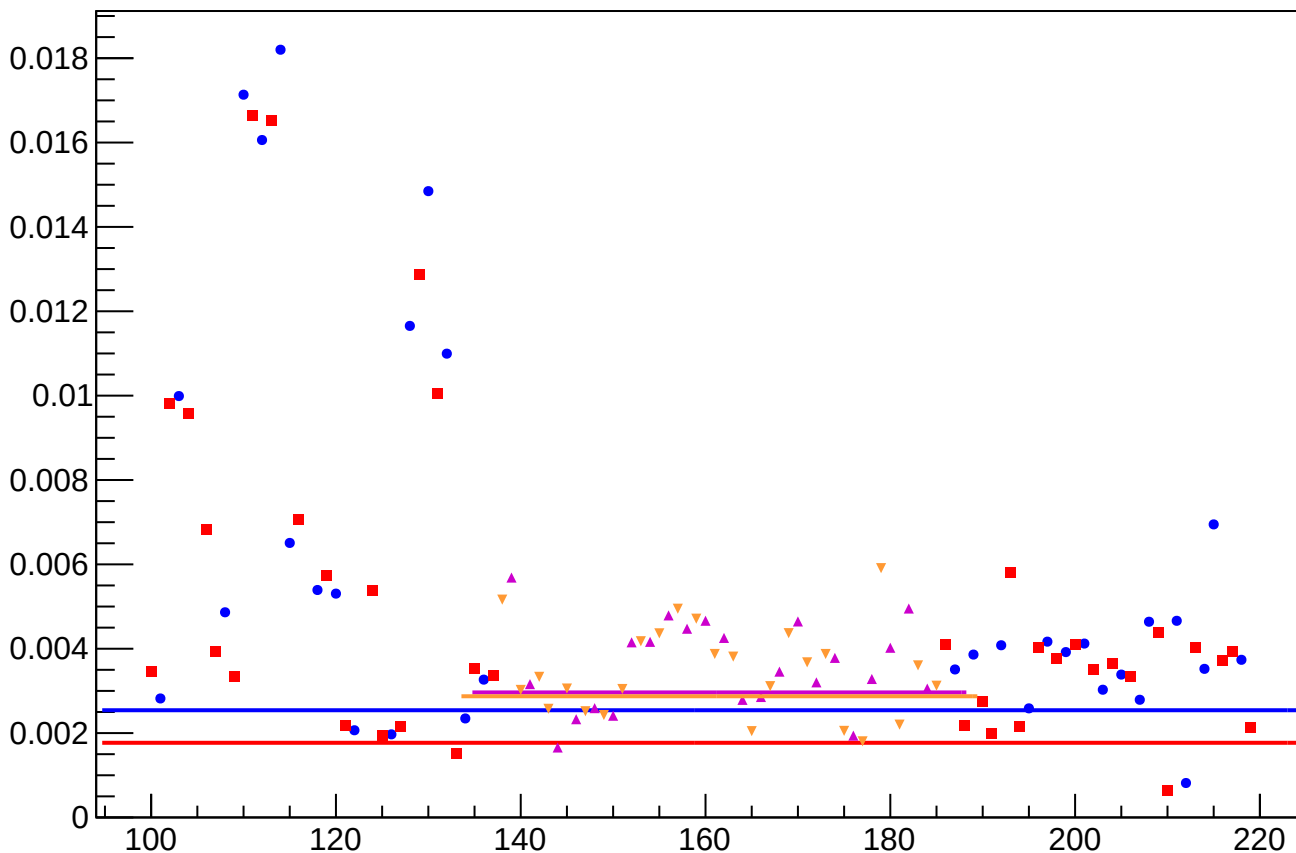
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:20.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 107.9/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 202.3/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 94.0/59

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 11907046.5/31

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:3602368.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 16794861.6/36

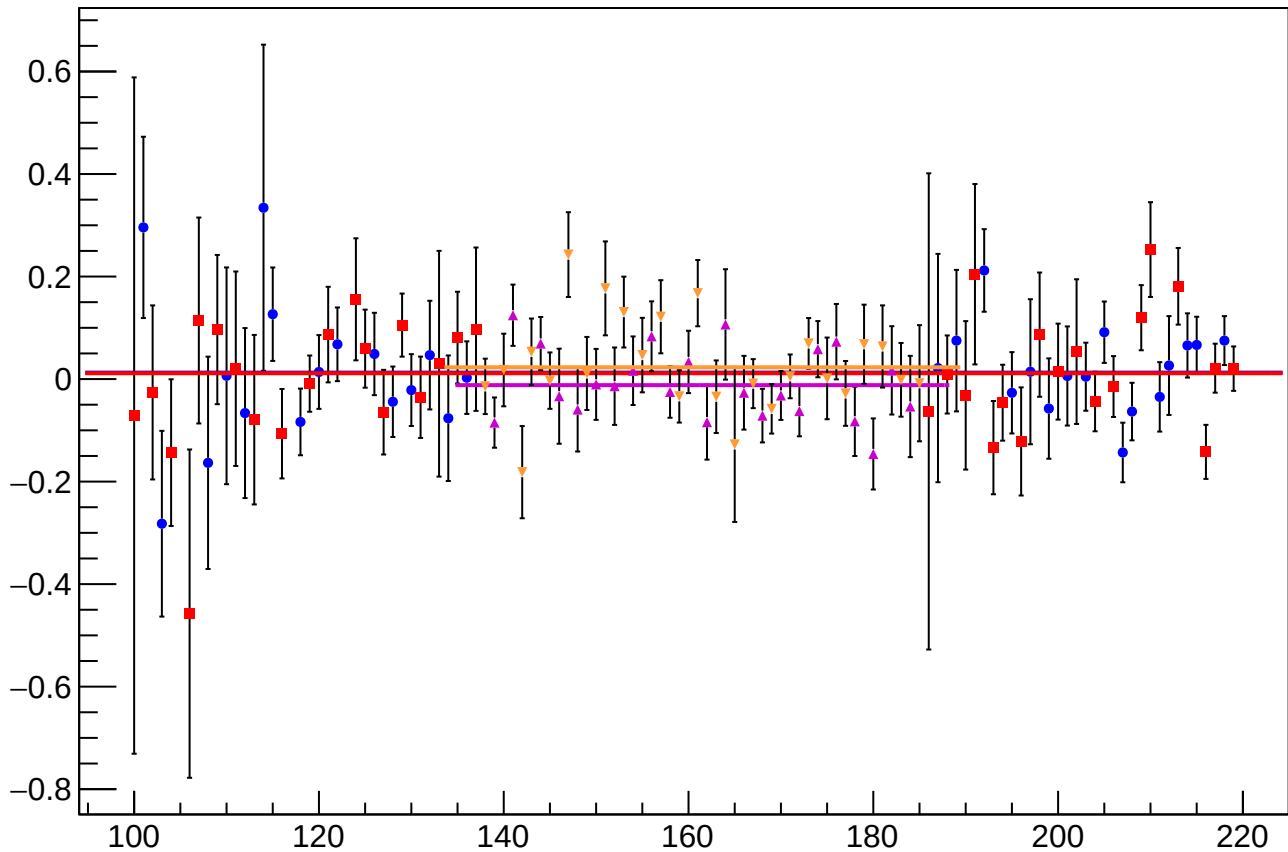
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:3619016.3/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 15734022.9/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 40944874.2/116

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 23817169.7/59

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 $\pm$ 0.014 χ^2 /NDF: 35.1/31

Left Out: 0.023 $\pm$ 0.013 χ^2 /NDF:34.2/24

Right Out: 0.011 $\pm$ 0.014 χ^2 /NDF: 44.2/36

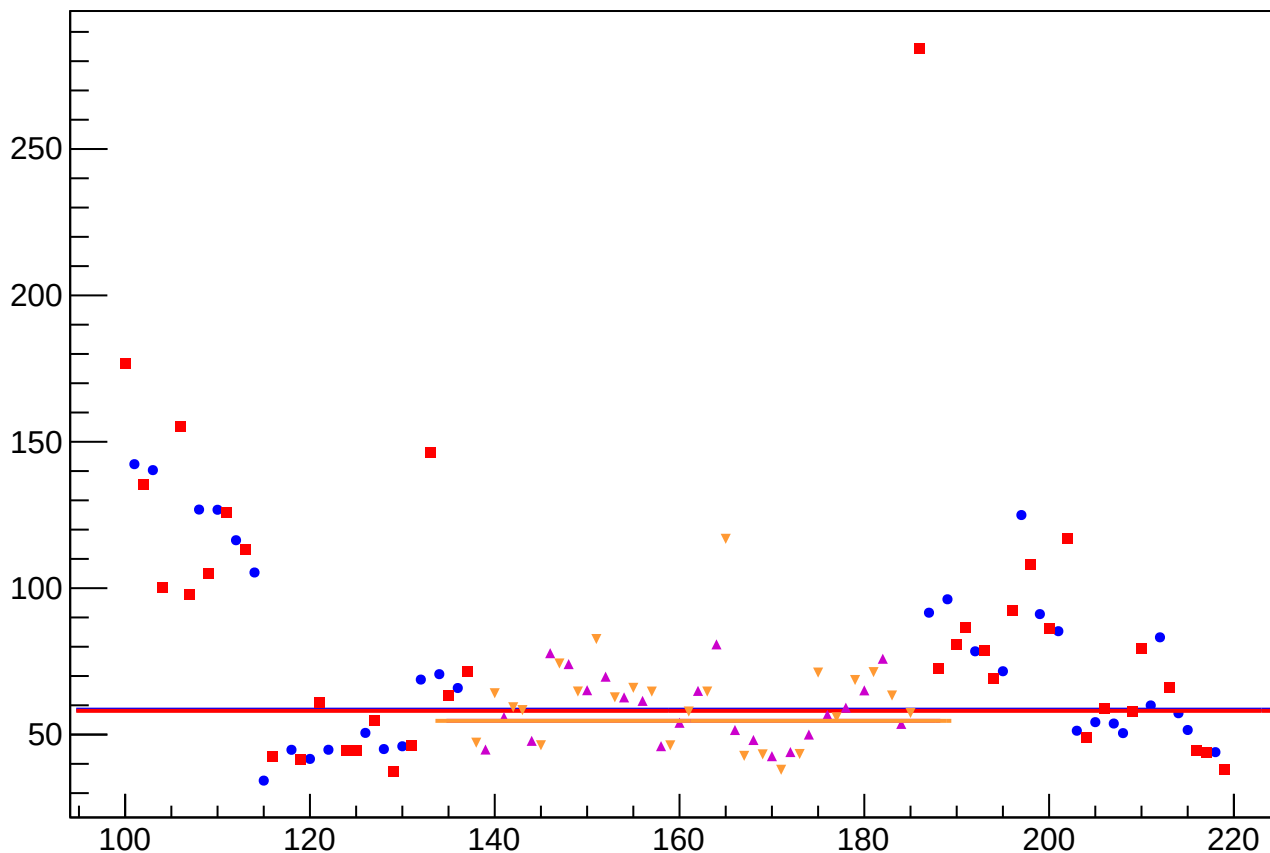
Left In: -0.012 $\pm$ 0.013 χ^2 /NDF:25.9/22

+ sign 0.018 $\pm$ 0.010 χ^2 /NDF: 69.5/56

All: 0.009 $\pm$ 0.007 χ^2 /NDF: 143.1/116

- sign -0.001 $\pm$ 0.010 χ^2 /NDF: 71.6/59

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.507 $\pm$ 0.010 χ^2 /NDF: 3828878.1/31

Left Out: 54.686 $\pm$ 0.009 χ^2 /NDF: 1936555.1/24

Right Out: 58.107 $\pm$ 0.010 χ^2 /NDF: 5343719.1/36

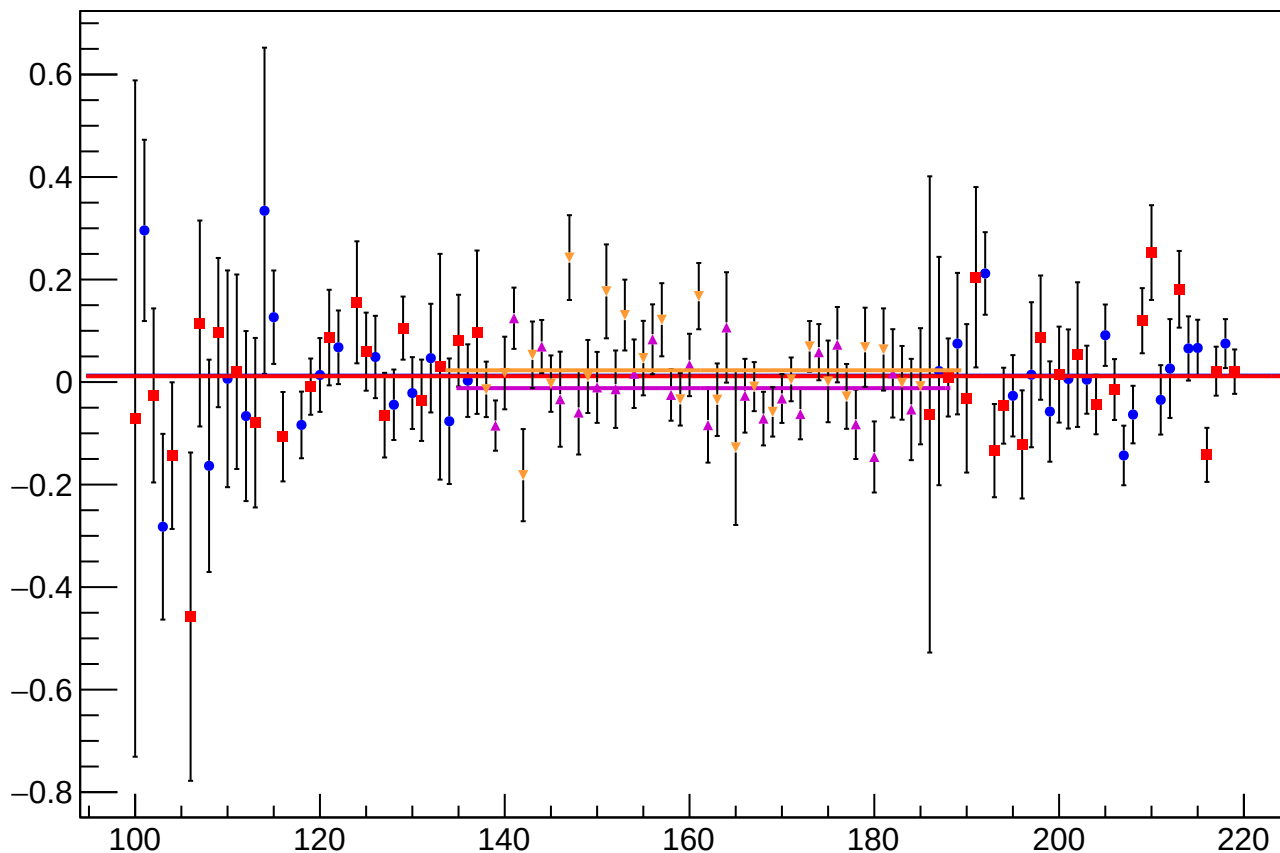
Left In: 54.689 $\pm$ 0.009 χ^2 /NDF: 1190755.4/22

+ sign 56.415 $\pm$ 0.007 χ^2 /NDF: 5844420.2/56

All: 56.364 $\pm$ 0.005 χ^2 /NDF: 12442161.9/116

- sign 56.312 $\pm$ 0.007 χ^2 /NDF: 6597628.3/59

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 ± 0.014 χ^2/NDF : 35.1/31

Left Out: 0.023 ± 0.013 χ^2/NDF : 34.2/24

Right Out: 0.011 ± 0.014 χ^2/NDF : 44.2/36

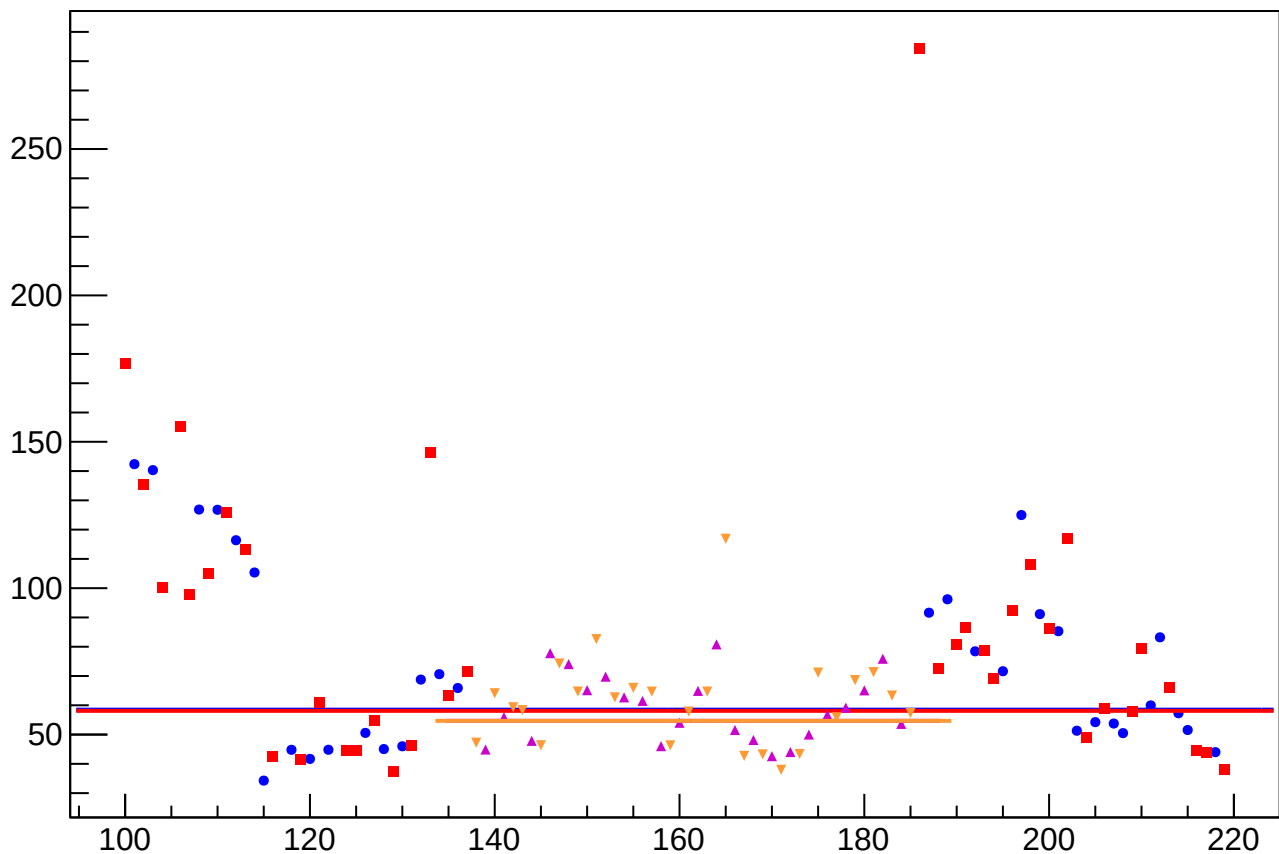
Left In: -0.012 ± 0.013 χ^2/NDF : 25.9/22

+ sign 0.018 ± 0.010 χ^2/NDF : 69.5/56

All: 0.009 ± 0.007 χ^2/NDF : 143.1/116

- sign -0.001 ± 0.010 χ^2/NDF : 71.6/59

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.507 ± 0.010 χ^2/NDF : 3828878.1/31

Left Out: 54.686 ± 0.009 χ^2/NDF : 1936555.1/24

Right Out: 58.107 ± 0.010 χ^2/NDF : 5343719.1/36

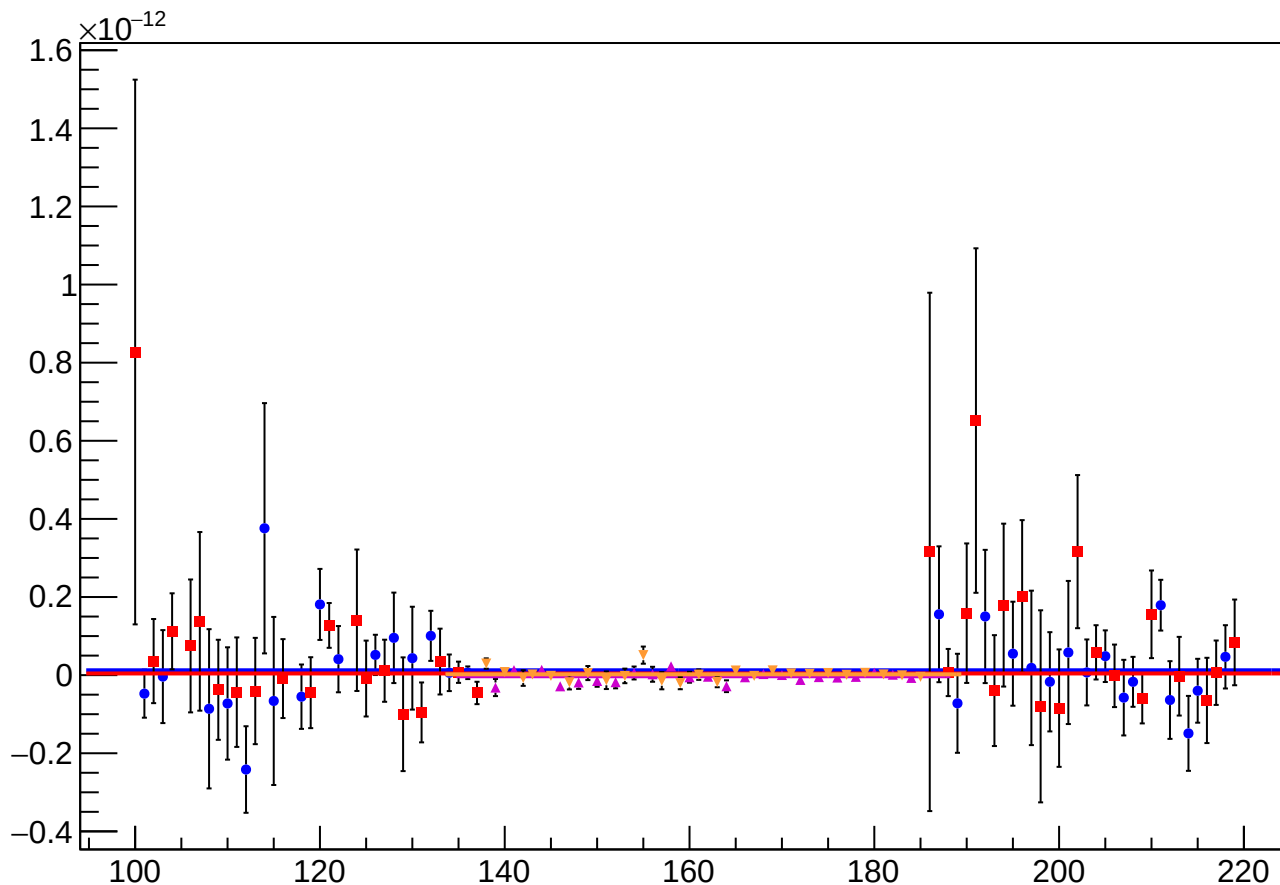
Left In: 54.689 ± 0.009 χ^2/NDF : 1190755.4/22

+ sign 56.415 ± 0.007 χ^2/NDF : 5844420.2/56

All: 56.364 ± 0.005 χ^2/NDF : 12442161.9/116

- sign 56.312 ± 0.007 χ^2/NDF : 6597628.3/59

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:20.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.7/36

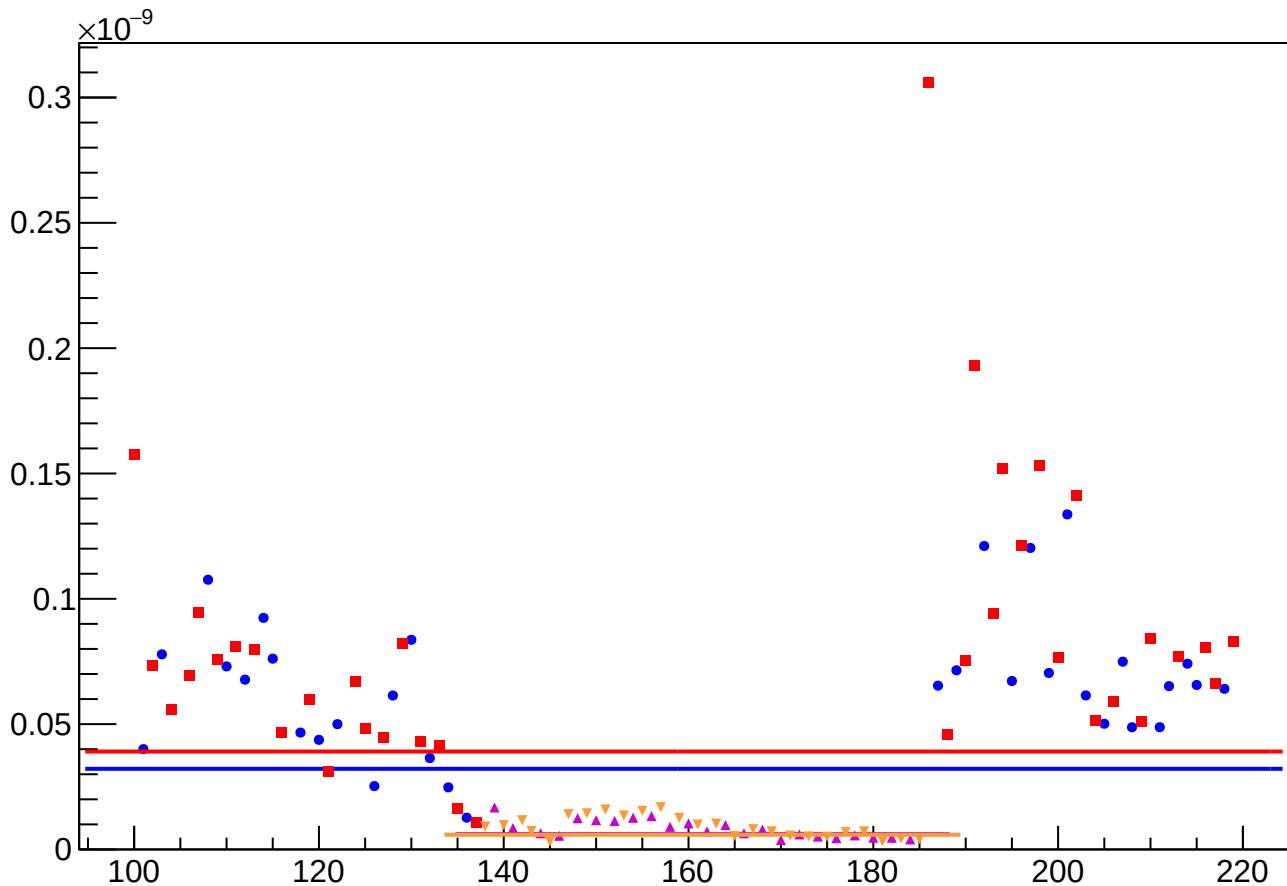
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:33.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 50.8/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 114.6/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 60.1/59

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9166870.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9505834.6/36

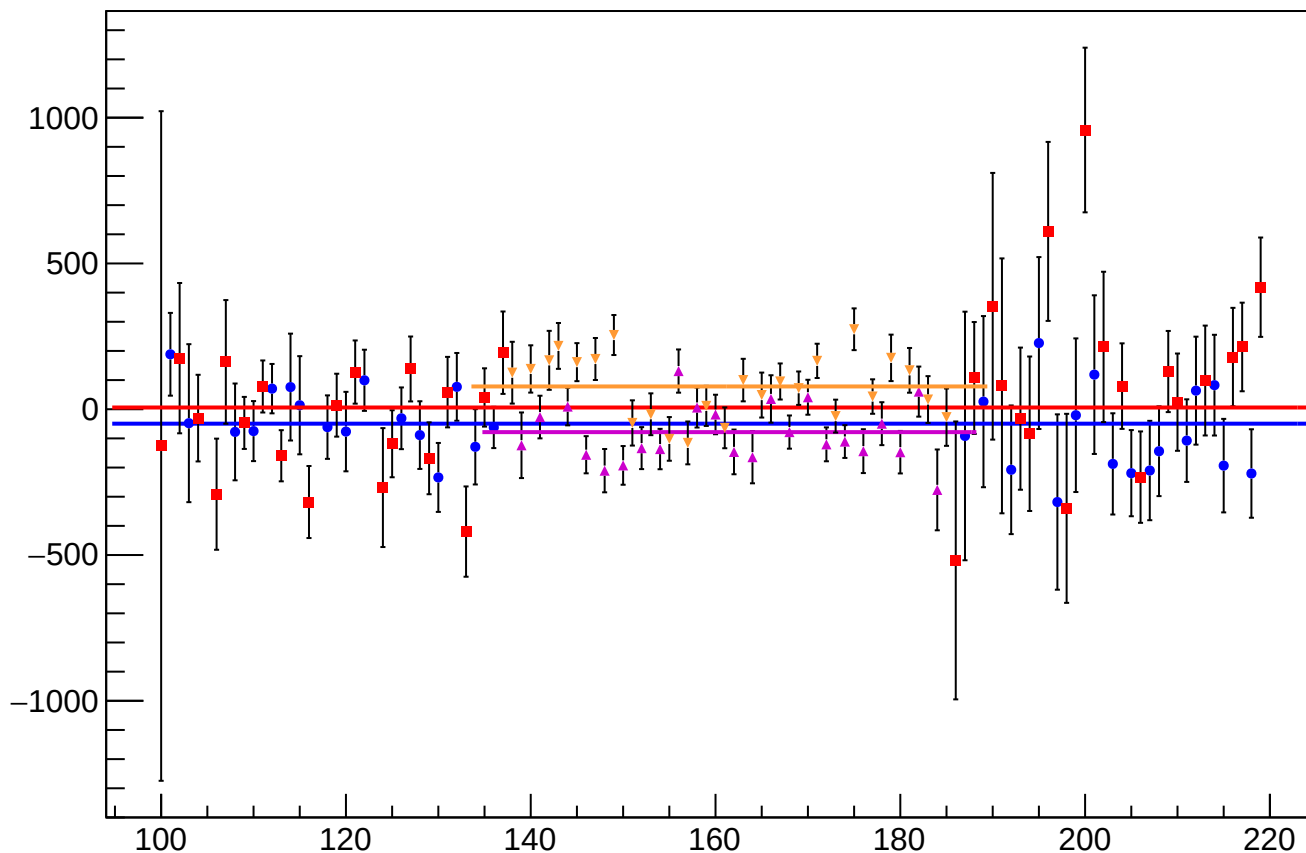
Left In: 0.000+/-0.000 χ^2/NDF : 3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 25132573.7/56

All: 0.000+/-0.000 χ^2/NDF : 50202658.6/116

- sign 0.000+/-0.000 χ^2/NDF : 25048854.7/59

reg_asym_sam_37_avg_mean vs Slug



Right In: -49.506 ± 24.732 $\chi^2/\text{NDF}: 20.8/31$

Left Out: 78.159 ± 14.326 $\chi^2/\text{NDF}: 53.9/24$

Right Out: 5.983 ± 24.461 $\chi^2/\text{NDF}: 63.9/36$

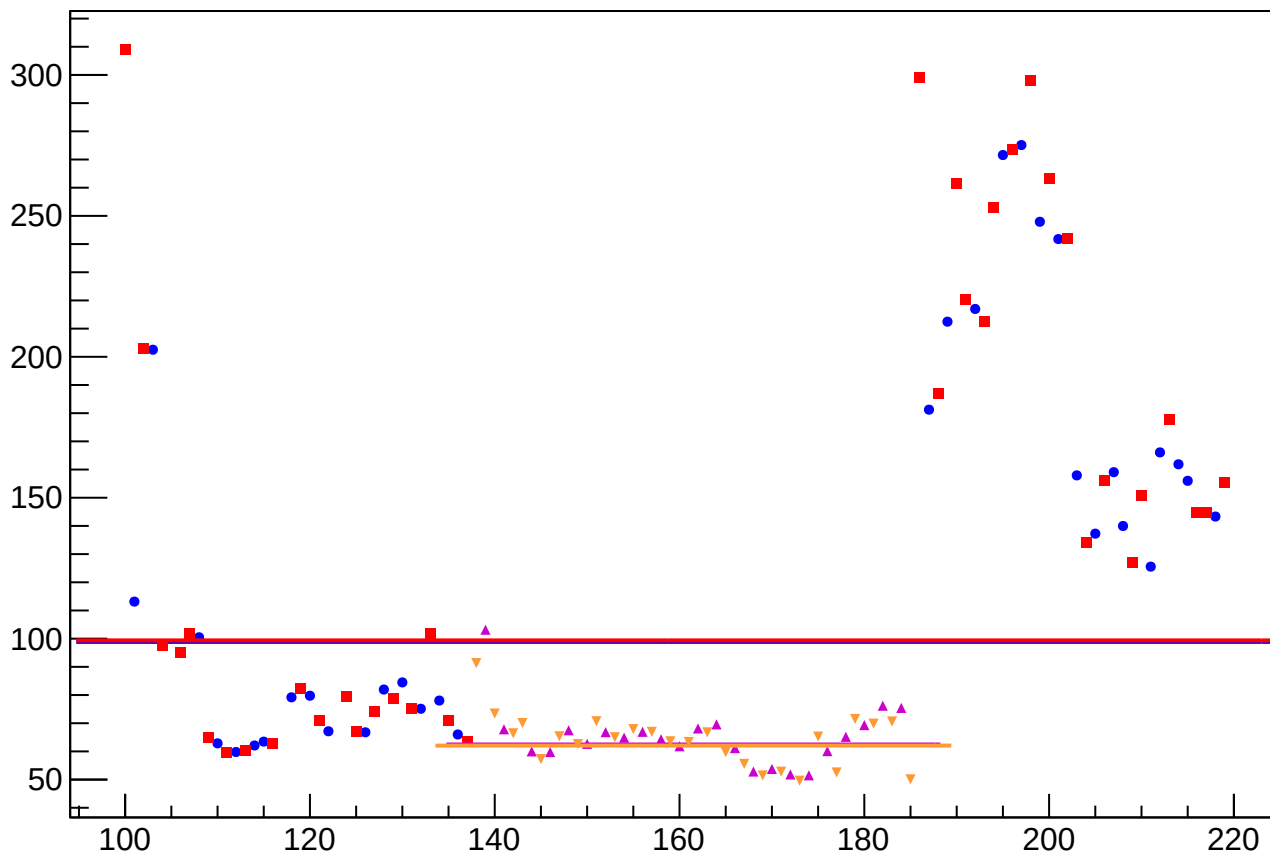
Left In: -78.506 ± 14.811 $\chi^2/\text{NDF}: 36.7/22$

+ sign 46.087 ± 12.396 $\chi^2/\text{NDF}: 94.7/56$

All: -3.764 ± 8.861 $\chi^2/\text{NDF}: 237.0/116$

- sign -55.840 ± 12.670 $\chi^2/\text{NDF}: 109.3/59$

reg_asym_sam_37_avg_rms vs Slug



Right In: 98.859 $\pm$ 0.017 χ^2 /NDF: 7561113.6/31

Left Out: 62.063 $\pm$ 0.010 χ^2 /NDF: 686530.2/24

Right Out: 99.386 $\pm$ 0.017 χ^2 /NDF: 9029995.2/36

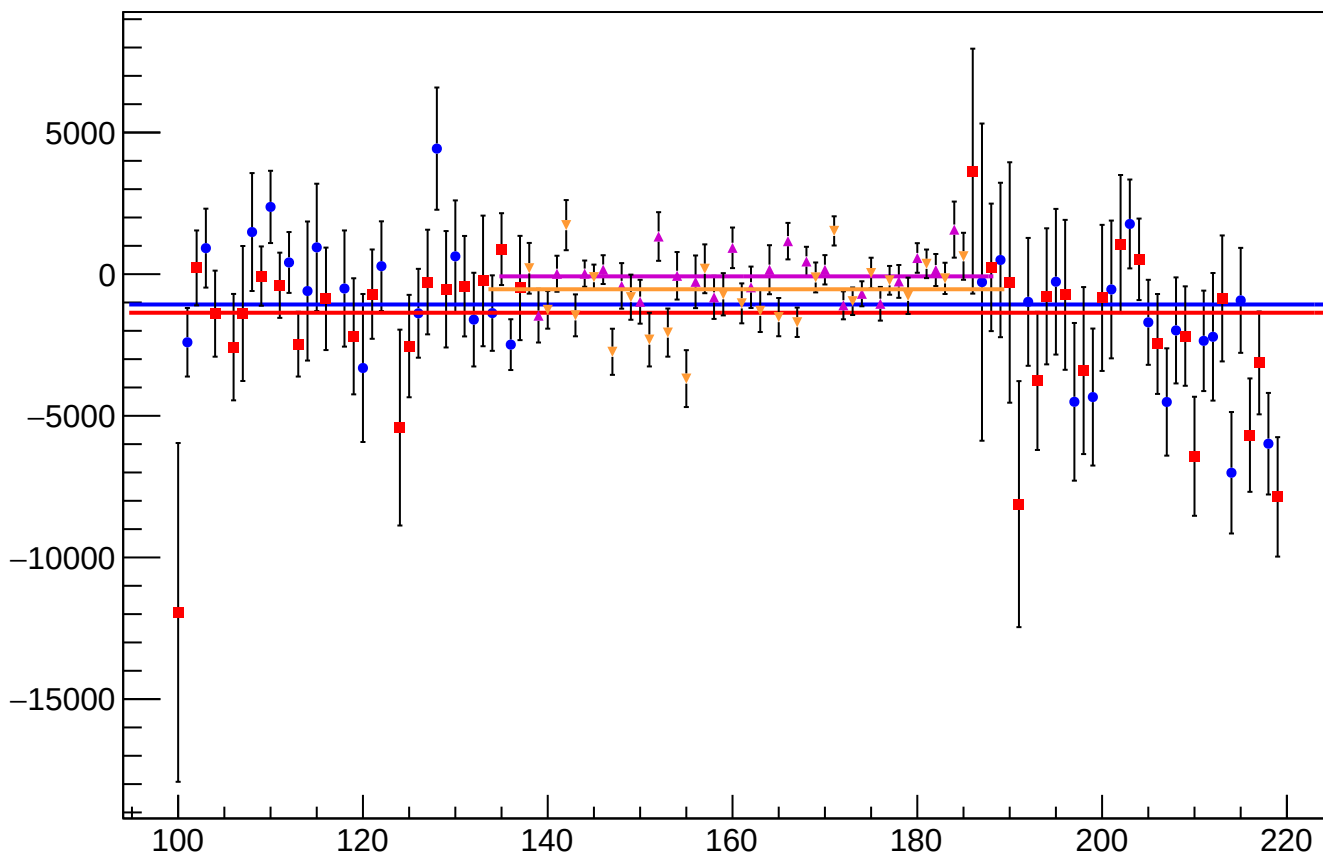
Left In: 62.445 $\pm$ 0.010 χ^2 /NDF: 664644.9/22

+ sign 71.306 $\pm$ 0.009 χ^2 /NDF: 11562464.7/56

All: 71.819 $\pm$ 0.006 χ^2 /NDF: 24601658.0/116

- sign 72.355 $\pm$ 0.009 χ^2 /NDF: 13032190.8/59

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -1070.460 ± 303.678 χ^2/NDF : 53.1/31

Left Out: -532.779 ± 127.927 χ^2/NDF : 69.1/24

Right Out: -1361.830 ± 303.844 χ^2/NDF : 45.0/36

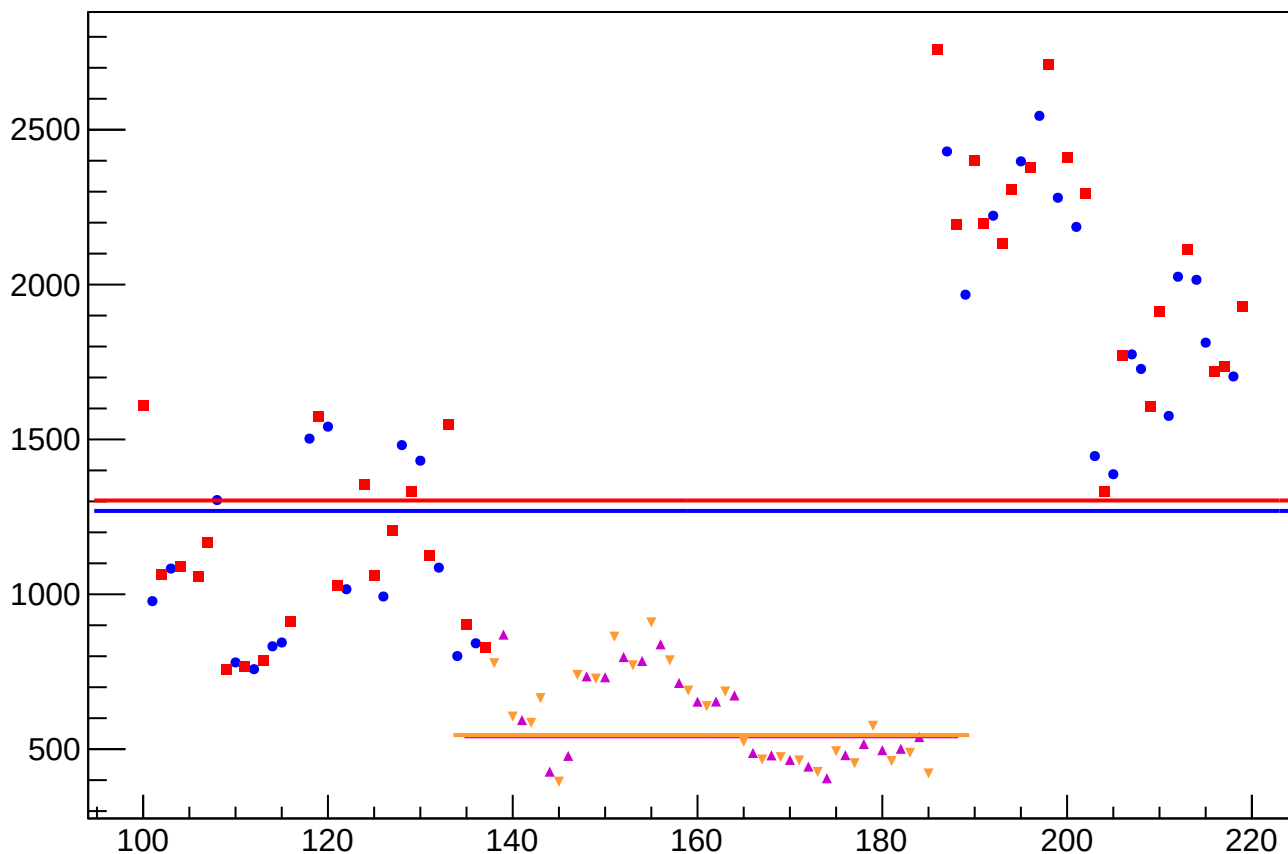
Left In: -77.393 ± 130.317 χ^2/NDF : 28.4/22

+ sign -613.814 ± 117.893 χ^2/NDF : 124.9/56

All: -448.040 ± 84.017 χ^2/NDF : 217.4/116

- sign -276.956 ± 119.766 χ^2/NDF : 88.5/59

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1269.205+/-0.215 χ^2/NDF : 5085590.0/31

Left Out: 545.304+/-0.090 χ^2/NDF : 2083690.3/24

Right Out: 1302.917+/-0.215 χ^2/NDF : 5979414.4/36

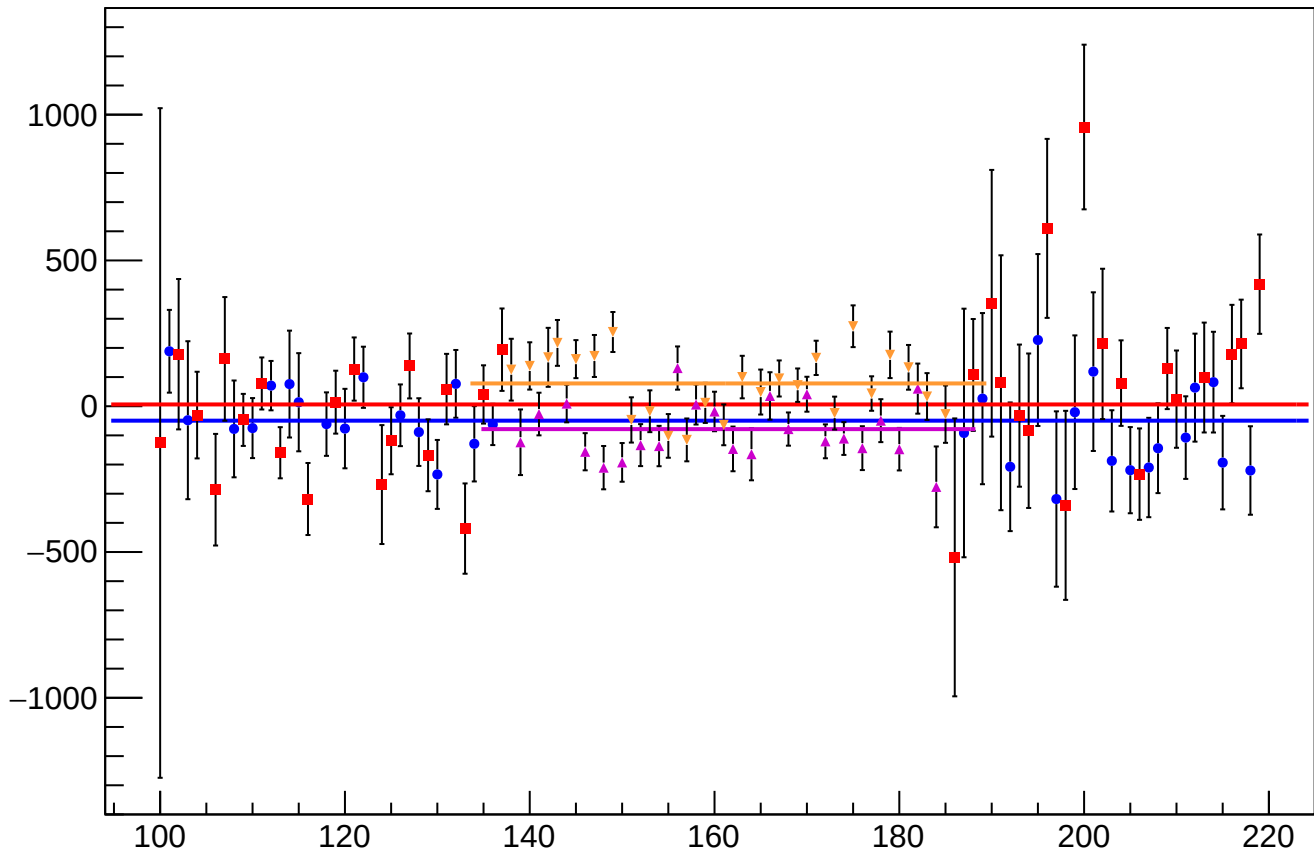
Left In: 541.458+/-0.092 χ^2/NDF : 1840342.7/22

+ sign 654.405+/-0.083 χ^2/NDF : 16821260.7/56

All: 657.043+/-0.059 χ^2/NDF : 35252367.0/11

- sign 659.766+/-0.085 χ^2/NDF : 18429071.4/59

cor_asym_sam_37_avg_mean vs Slug



Right In: -49.514 ± 24.732 χ^2/NDF : 20.8/31

Left Out: 78.162 ± 14.326 χ^2/NDF : 53.9/24

Right Out: 6.136 ± 24.463 χ^2/NDF : 63.8/36

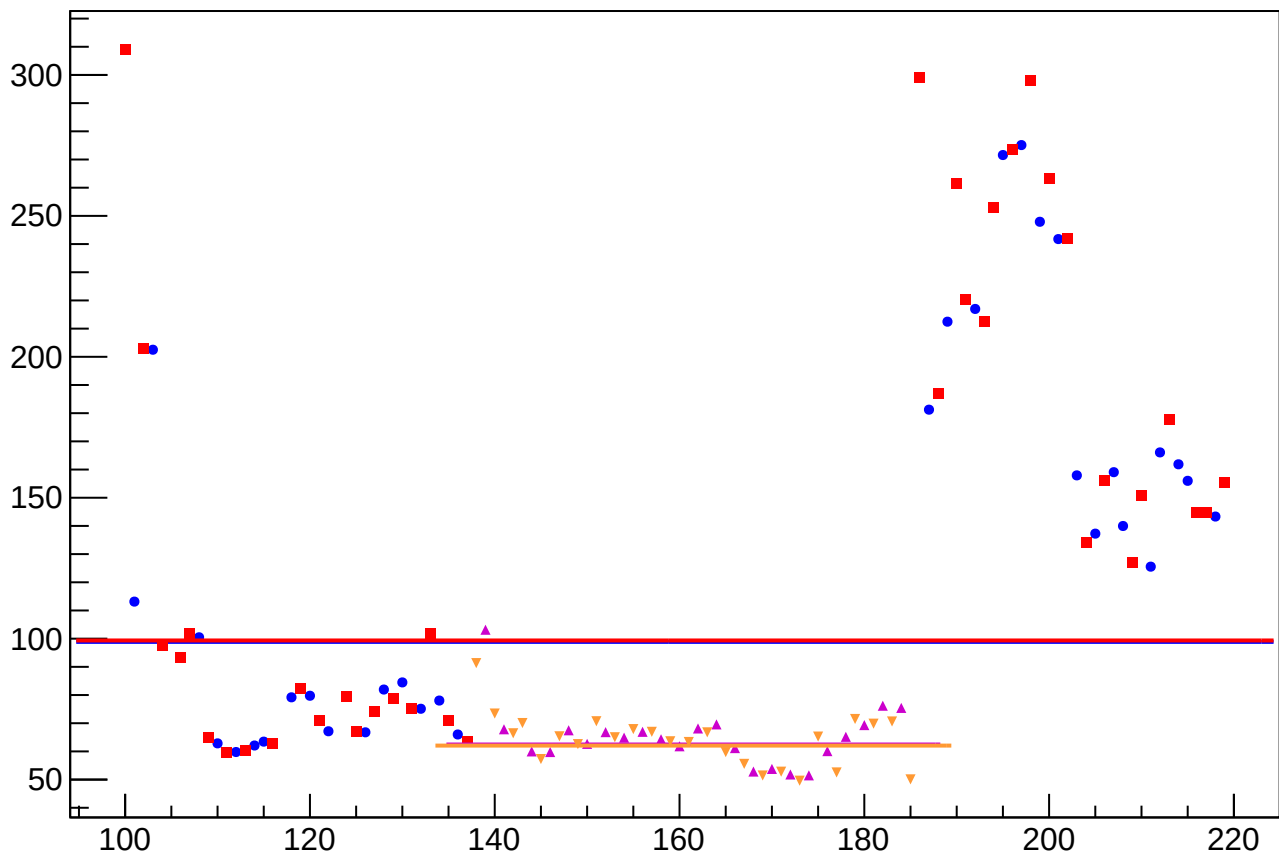
Left In: -78.506 ± 14.811 χ^2/NDF : 36.7/22

+ sign 46.088 ± 12.396 χ^2/NDF : 94.7/56

All: -3.744 ± 8.861 χ^2/NDF : 236.9/116

- sign -55.802 ± 12.670 χ^2/NDF : 109.2/59

cor_asym_sam_37_avg_rms vs Slug



Right In: 98.859 $\pm$ 0.017 χ^2 /NDF: 7561116.0/31

Left Out: 62.063 $\pm$ 0.010 χ^2 /NDF: 686530.2/24

Right Out: 99.359 $\pm$ 0.017 χ^2 /NDF: 9031173.6/36

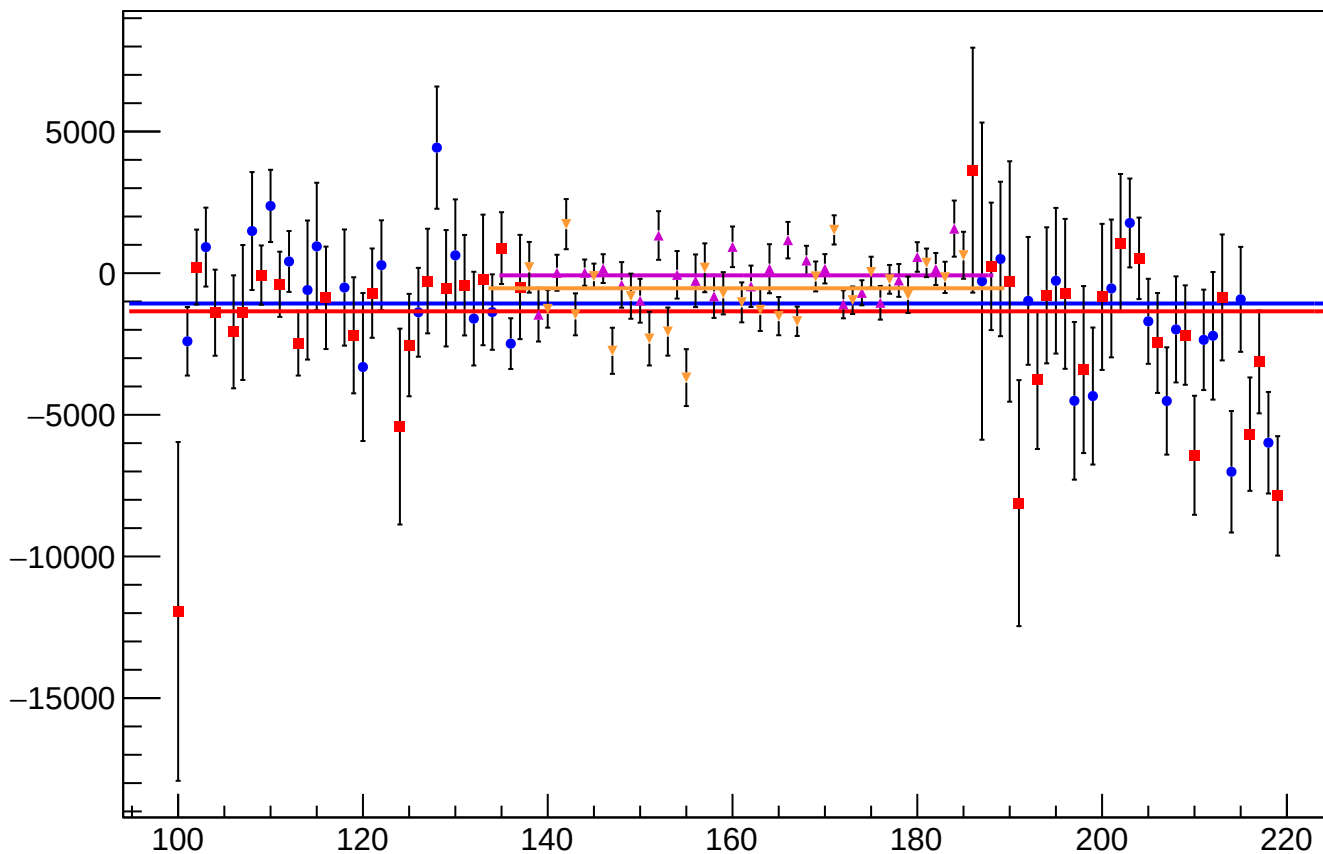
Left In: 62.445 $\pm$ 0.010 χ^2 /NDF: 664644.9/22

+ sign 71.306 $\pm$ 0.009 χ^2 /NDF: 11562466.6/56

All: 71.815 $\pm$ 0.006 χ^2 /NDF: 24597464.0/116

- sign 72.347 $\pm$ 0.009 χ^2 /NDF: 13028106.2/59

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -1070.457 ± 303.680 χ^2/NDF : 53.1/31

Left Out: -532.776 ± 127.927 χ^2/NDF : 69.1/24

Right Out: -1346.958 ± 304.308 χ^2/NDF : 44.7/36

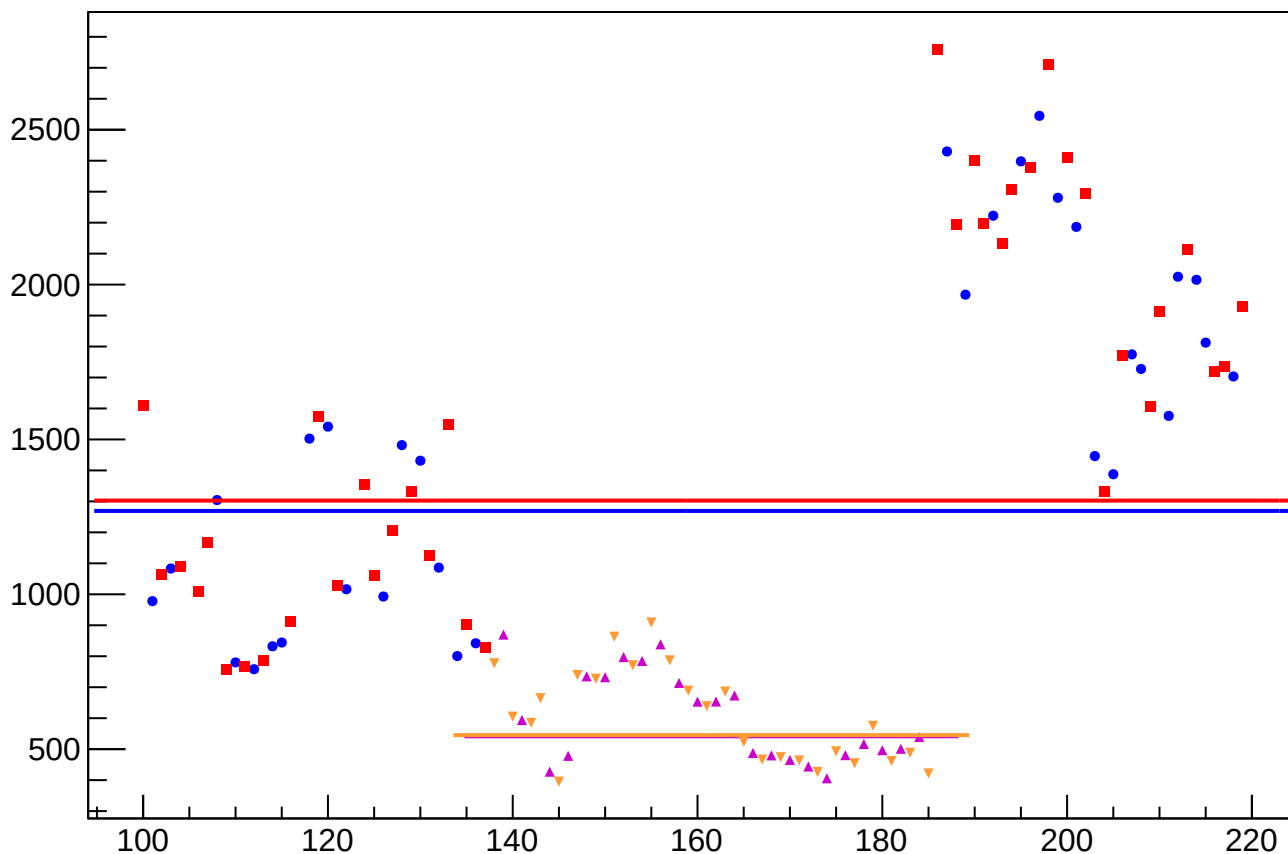
Left In: -77.392 ± 130.317 χ^2/NDF : 28.4/22

+ sign -613.811 ± 117.893 χ^2/NDF : 124.9/56

All: -446.692 ± 84.027 χ^2/NDF : 216.7/116

- sign -274.137 ± 119.795 χ^2/NDF : 87.8/59

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1269.212 $\pm$ 0.215 χ^2 /NDF: 5085546.8/31

Left Out: 545.304 $\pm$ 0.090 χ^2 /NDF: 2083686.2/24

Right Out: 1302.586 $\pm$ 0.215 χ^2 /NDF: 5988077.4/36

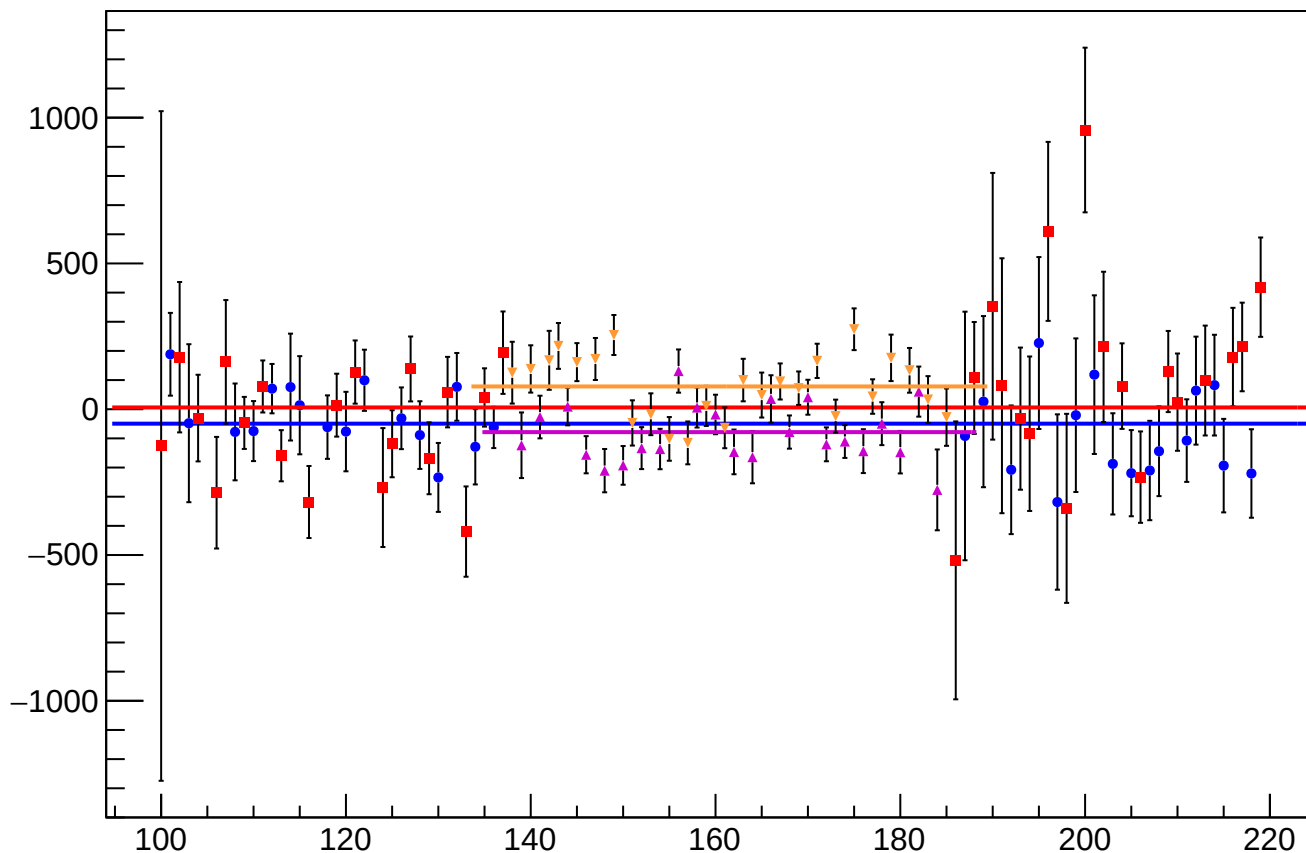
Left In: 541.458 $\pm$ 0.092 χ^2 /NDF: 1840342.7/22

+ sign 654.405 $\pm$ 0.083 χ^2 /NDF: 16821315.8/56

All: 656.868 $\pm$ 0.059 χ^2 /NDF: 35224326.5/1

- sign 659.410 $\pm$ 0.085 χ^2 /NDF: 18401237.2/59

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -49.514 ± 24.732 $\chi^2/\text{NDF}: 20.8/31$

Left Out: 78.162 ± 14.326 $\chi^2/\text{NDF}: 53.9/24$

Right Out: 6.136 ± 24.463 $\chi^2/\text{NDF}: 63.8/36$

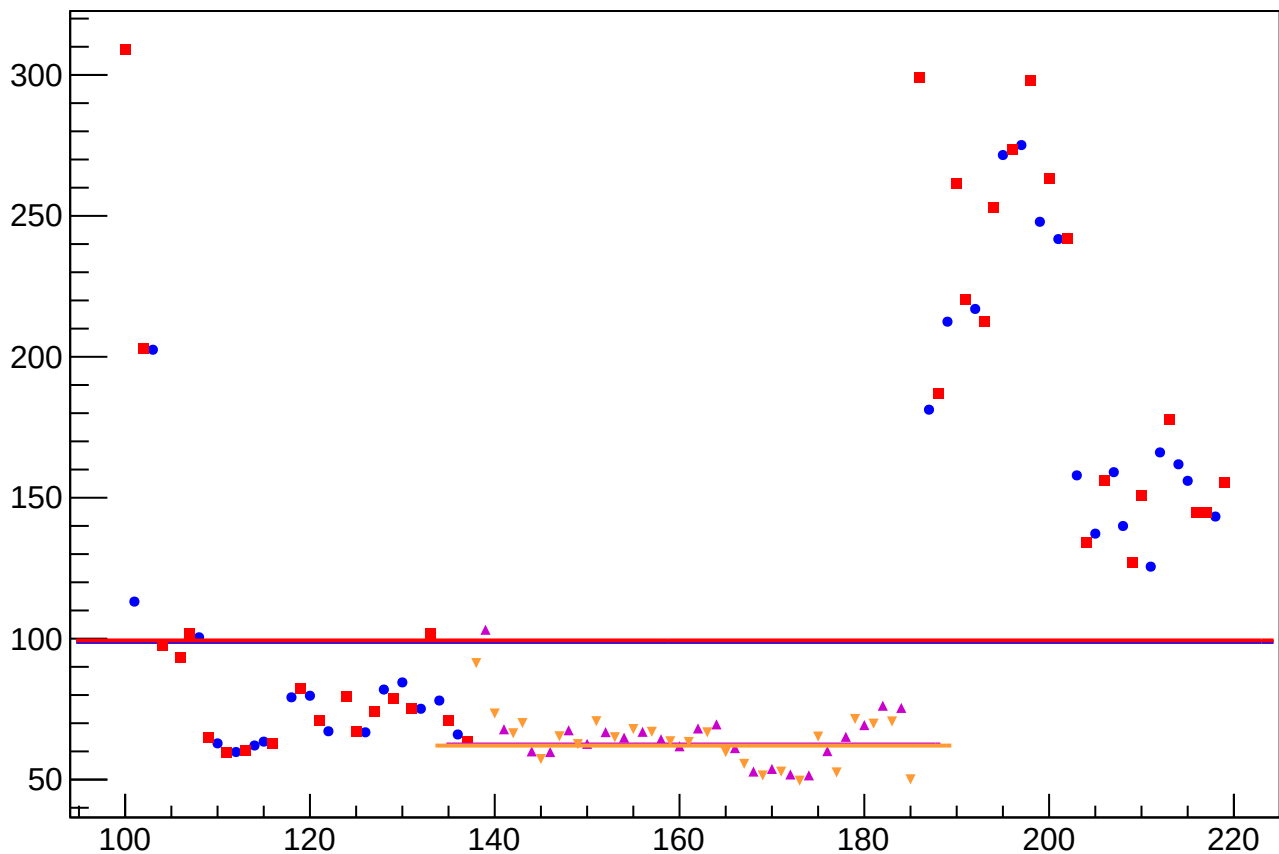
Left In: -78.506 ± 14.811 $\chi^2/\text{NDF}: 36.7/22$

+ sign 46.088 ± 12.396 $\chi^2/\text{NDF}: 94.7/56$

All: -3.744 ± 8.861 $\chi^2/\text{NDF}: 236.9/116$

- sign -55.802 ± 12.670 $\chi^2/\text{NDF}: 109.2/59$

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 98.859+/-0.017 χ^2 /NDF: 7561116.0/31

Left Out: 62.063+/-0.010 χ^2 /NDF:686530.2/24

Right Out: 99.359+/-0.017 χ^2 /NDF: 9031173.6/36

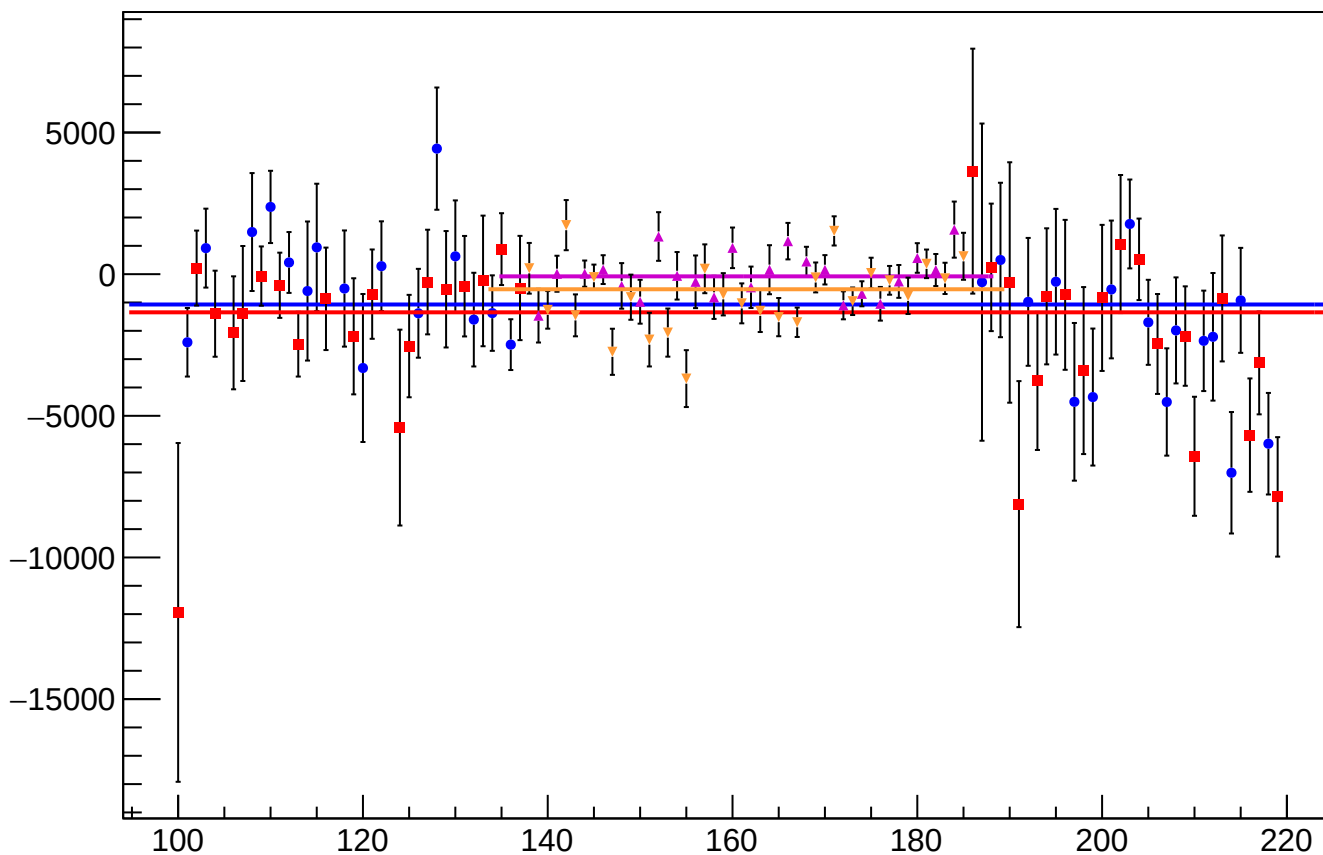
Left In: 62.445+/-0.010 χ^2 /NDF:664644.9/22

+ sign 71.306+/-0.009 χ^2 /NDF: 11562466.6/56

All: 71.815+/-0.006 χ^2 /NDF: 24597464.0/116

- sign 72.347+/-0.009 χ^2 /NDF: 13028106.2/59

asym_sam_37_avg_eigen_cor_correction_mean vs Slug



Right In: -1070.457 $\pm$ 303.680 χ^2/NDF : 53.1/31

Left Out: -532.776 $\pm$ 127.927 χ^2/NDF : 69.1/24

Right Out: -1346.958 $\pm$ 304.308 χ^2/NDF : 44.7/36

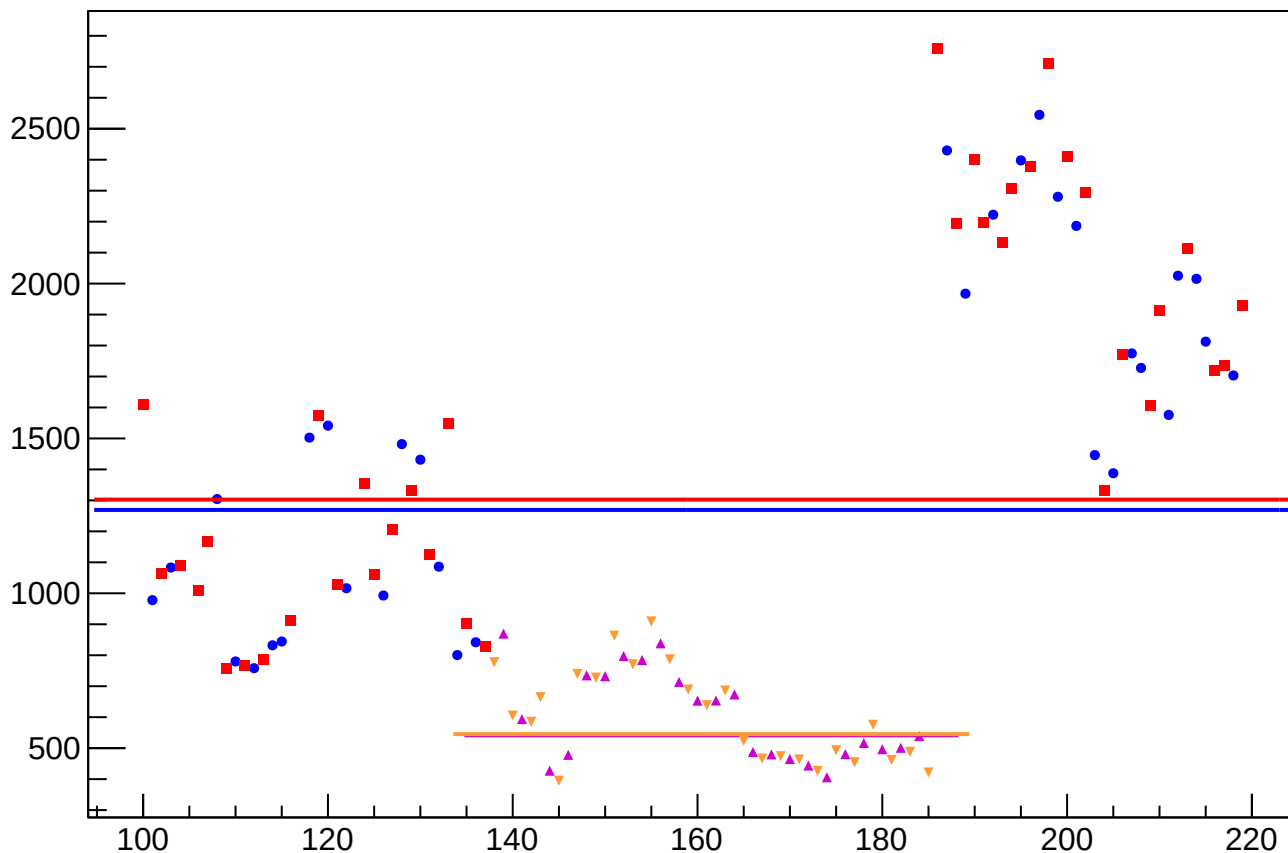
Left In: -77.392 $\pm$ 130.317 χ^2/NDF : 28.4/22

+ sign -613.811 $\pm$ 117.893 χ^2/NDF : 124.9/56

All: -446.692 $\pm$ 84.027 χ^2/NDF : 216.7/116

- sign -274.137 $\pm$ 119.795 χ^2/NDF : 87.8/59

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 1269.212 $\pm$ 0.215 χ^2 /NDF: 5085546.8/31

Left Out: 545.304 $\pm$ 0.090 χ^2 /NDF: 2083686.2/24

Right Out: 1302.586 $\pm$ 0.215 χ^2 /NDF: 5988077.4/36

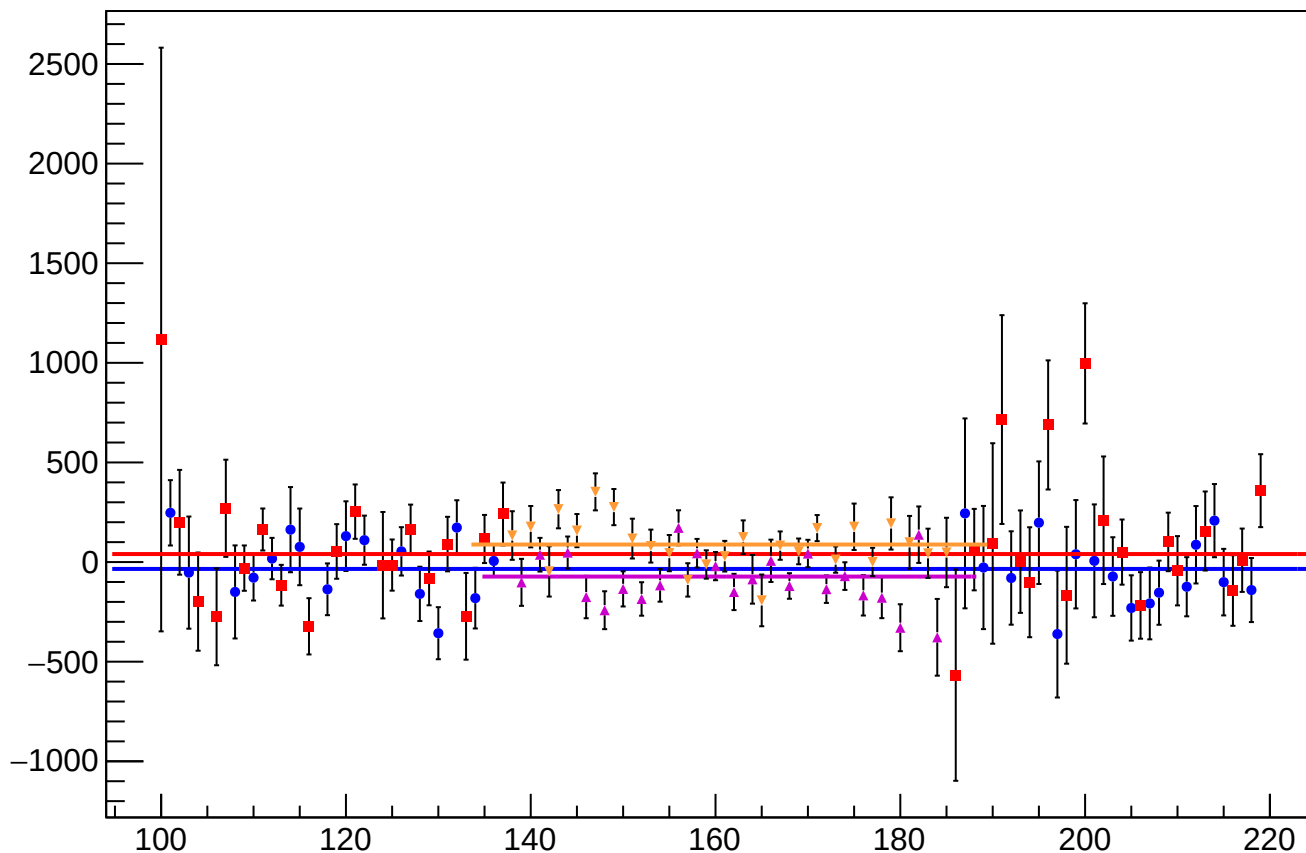
Left In: 541.458 $\pm$ 0.092 χ^2 /NDF: 1840342.7/22

+ sign 654.405 $\pm$ 0.083 χ^2 /NDF: 16821315.8/56

All: 656.868 $\pm$ 0.059 χ^2 /NDF: 35224326.5/1

- sign 659.410 $\pm$ 0.085 χ^2 /NDF: 18401237.2/59

dit_asym_sam_37_avg_mean vs Slug



Right In: -34.473 ± 28.114 χ^2/NDF : 26.7/31

Left Out: 88.040 ± 17.745 χ^2/NDF : 36.9/24

Right Out: 40.256 ± 28.366 χ^2/NDF : 49.0/36

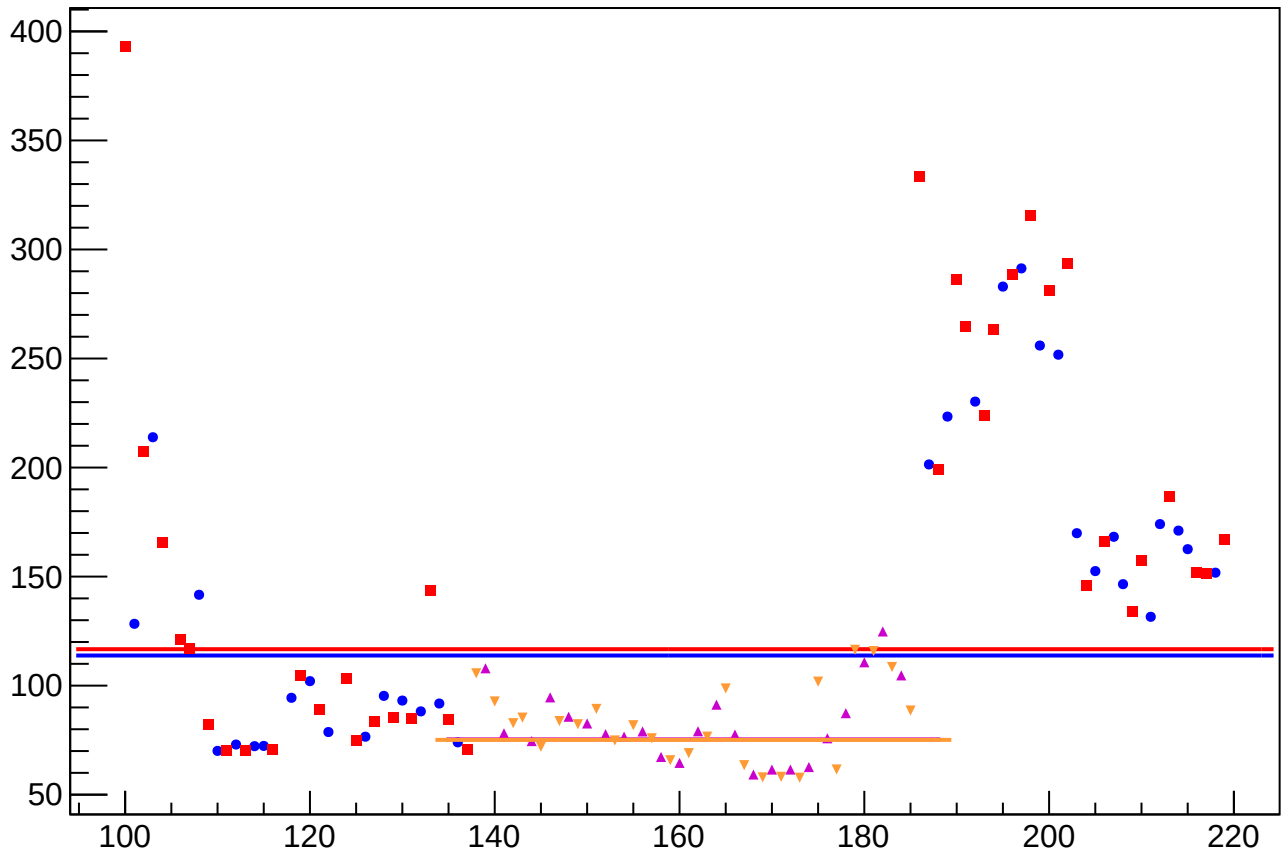
Left In: -72.849 ± 18.276 χ^2/NDF : 38.4/22

+ sign 53.138 ± 15.006 χ^2/NDF : 77.2/56

All: 7.826 ± 10.735 χ^2/NDF : 194.6/116

- sign -39.671 ± 15.363 χ^2/NDF : 98.7/59

dit_asym_sam_37_avg_rms vs Slug



Right In: 113.809 ± 0.020 χ^2/NDF : 6460630.6/31

Left Out: 75.128 ± 0.013 χ^2/NDF : 1601461.8/24

Right Out: 116.711 ± 0.020 χ^2/NDF : 7931983.8/36

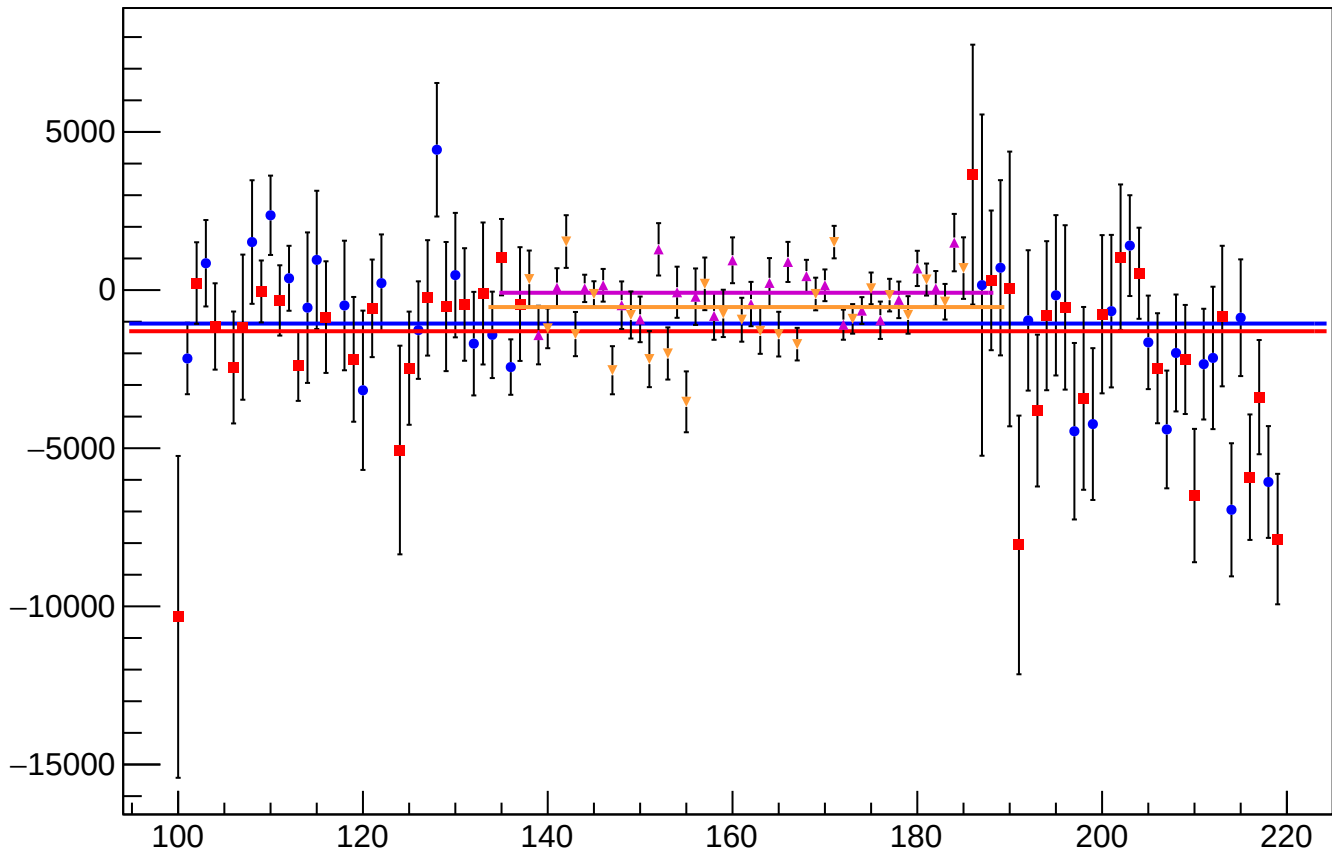
Left In: 75.363 ± 0.013 χ^2/NDF : 1225318.4/22

+ sign 86.147 ± 0.011 χ^2/NDF : 10769525.1/56

All: 86.804 ± 0.008 χ^2/NDF : 22937677.3/116

- sign 87.492 ± 0.011 χ^2/NDF : 12160313.1/59

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -1058.497 ± 297.821 χ^2/NDF : 53.0/31

Left Out: -536.789 ± 124.471 χ^2/NDF : 67.0/24

Right Out: -1300.944 ± 294.531 χ^2/NDF : 48.6/36

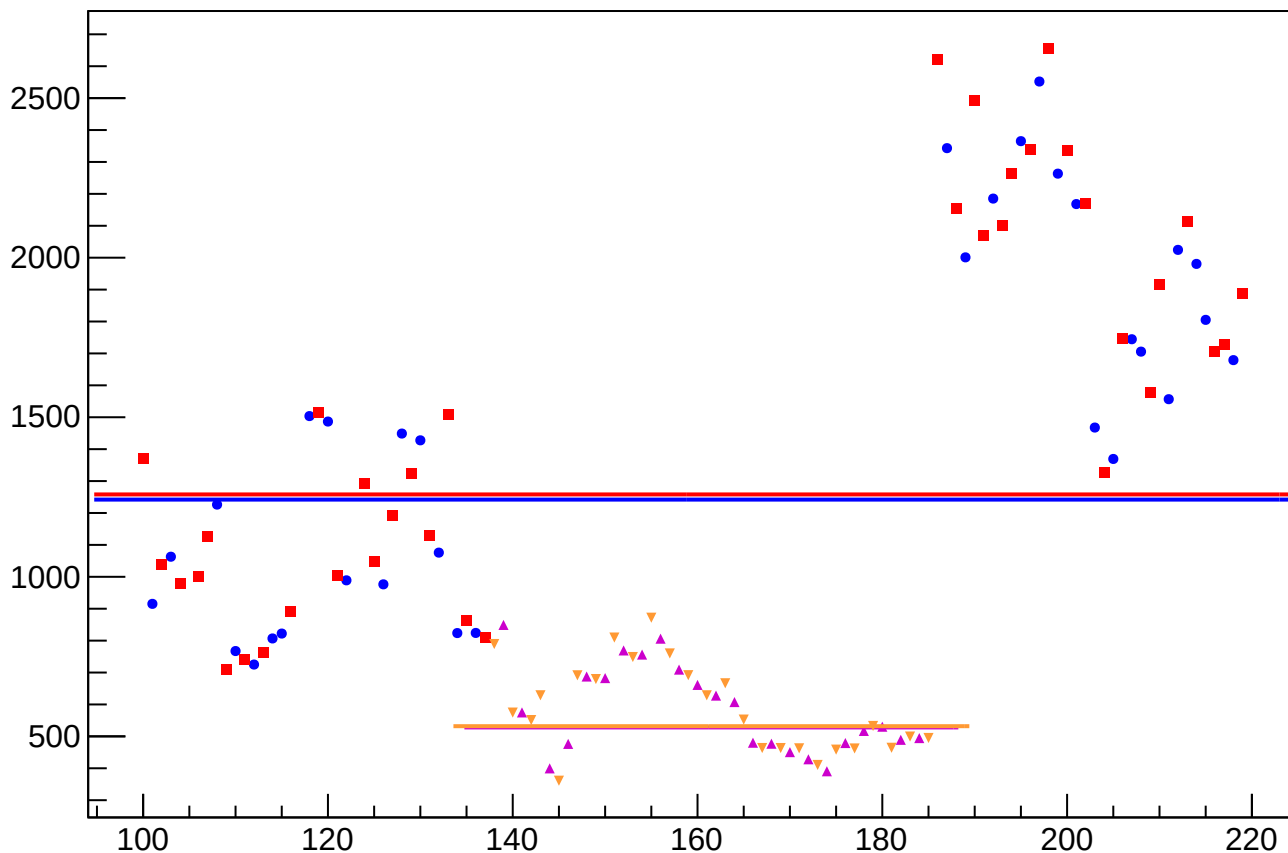
Left In: -84.668 ± 127.039 χ^2/NDF : 27.5/22

+ sign -614.367 ± 114.845 χ^2/NDF : 122.7/56

All: -447.555 ± 81.839 χ^2/NDF : 217.4/116

- sign -275.454 ± 116.651 χ^2/NDF : 90.4/59

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1241.948 $\pm$ 0.211 χ^2 /NDF: 5273084.7/31

Left Out: 531.872 $\pm$ 0.088 χ^2 /NDF: 2037750.0/24

Right Out: 1258.125 $\pm$ 0.208 χ^2 /NDF: 6282286.4/36

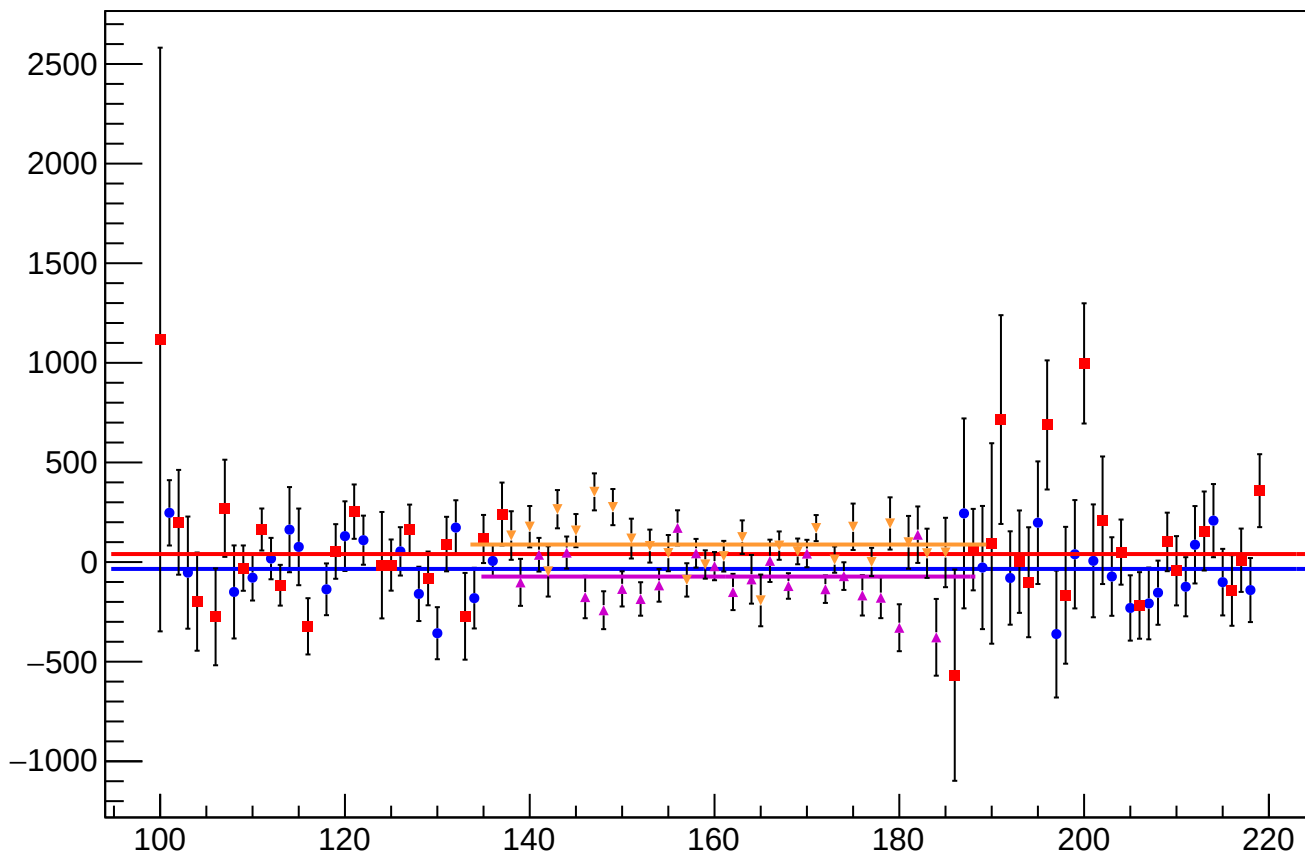
Left In: 527.986 $\pm$ 0.090 χ^2 /NDF: 1800455.5/22

+ sign 637.461 $\pm$ 0.081 χ^2 /NDF: 16989448.2/56

All: 639.949 $\pm$ 0.058 χ^2 /NDF: 35436927.1/11

- sign 642.516 $\pm$ 0.082 χ^2 /NDF: 18445571.9/59

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -34.473 ± 28.114 χ^2/NDF : 26.7/31

Left Out: 88.040 ± 17.745 χ^2/NDF : 36.9/24

Right Out: 40.259 ± 28.366 χ^2/NDF : 49.0/36

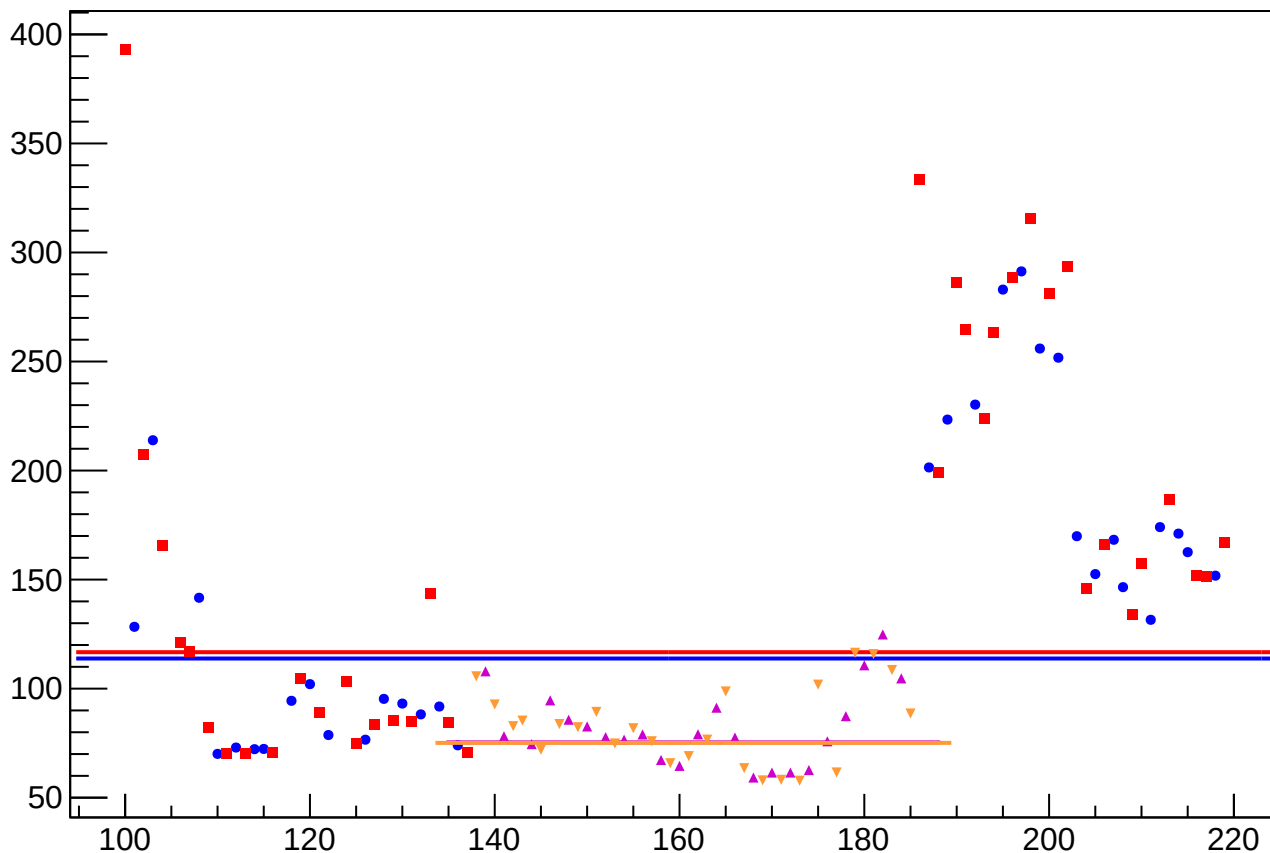
Left In: -72.848 ± 18.276 χ^2/NDF : 38.4/22

+ sign 53.138 ± 15.006 χ^2/NDF : 77.2/56

All: 7.827 ± 10.735 χ^2/NDF : 194.6/116

- sign -39.669 ± 15.363 χ^2/NDF : 98.7/59

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 113.809 $\pm$ 0.020 χ^2 /NDF: 6460580.5/31

Left Out: 75.128 $\pm$ 0.013 χ^2 /NDF:1601462.6/24

Right Out: 116.711 $\pm$ 0.020 χ^2 /NDF: 7931929.1/36

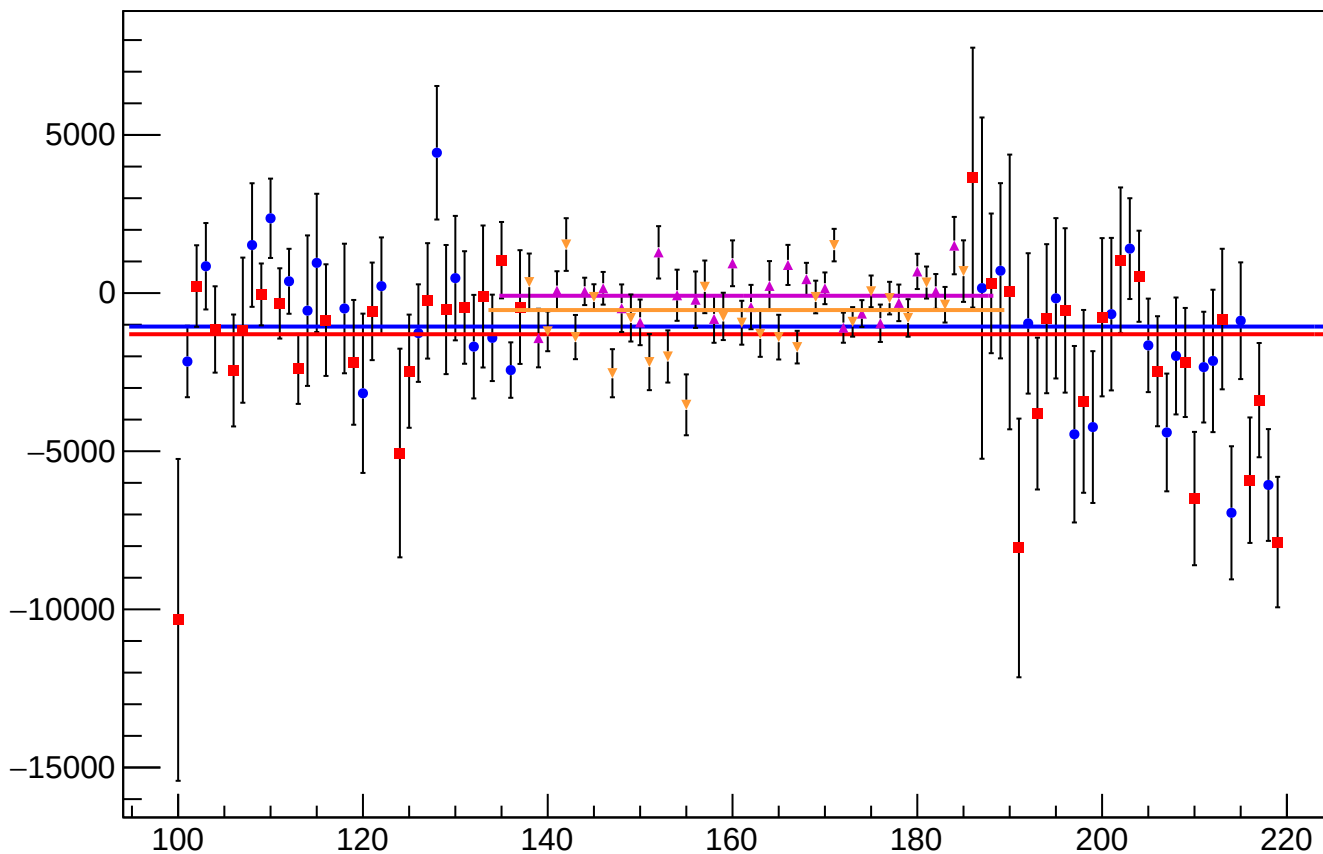
Left In: 75.363 $\pm$ 0.013 χ^2 /NDF:1225319.2/22

+ sign 86.148 $\pm$ 0.011 χ^2 /NDF: 10769481.7/56

All: 86.804 $\pm$ 0.008 χ^2 /NDF: 22937601.0/116

- sign 87.492 $\pm$ 0.011 χ^2 /NDF: 12160280.3/59

asym_sam_37_avg_eigen_dit_correction_mean vs Slug



Right In: -1058.493 ± 297.820 χ^2/NDF : 53.0/31

Left Out: -536.790 ± 124.471 χ^2/NDF : 67.0/24

Right Out: -1300.942 ± 294.531 χ^2/NDF : 48.6/36

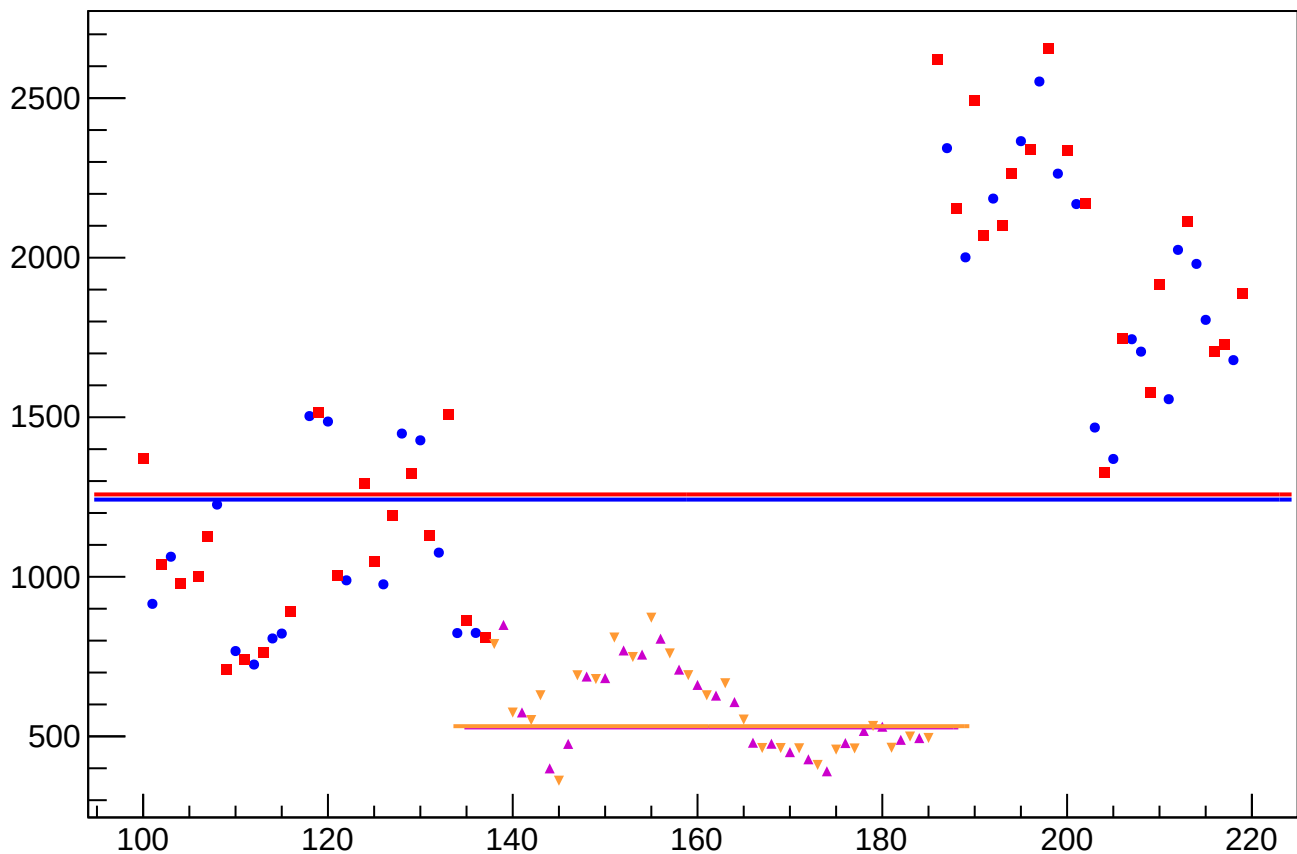
Left In: -84.668 ± 127.039 χ^2/NDF : 27.5/22

+ sign -614.367 ± 114.845 χ^2/NDF : 122.7/56

All: -447.555 ± 81.838 χ^2/NDF : 217.4/116

- sign -275.454 ± 116.651 χ^2/NDF : 90.4/59

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 1241.947 $\pm$ 0.211 χ^2 /NDF: 5273100.9/31

Left Out: 531.872 $\pm$ 0.088 χ^2 /NDF: 2037744.9/24

Right Out: 1258.123 $\pm$ 0.208 χ^2 /NDF: 6282301.8/36

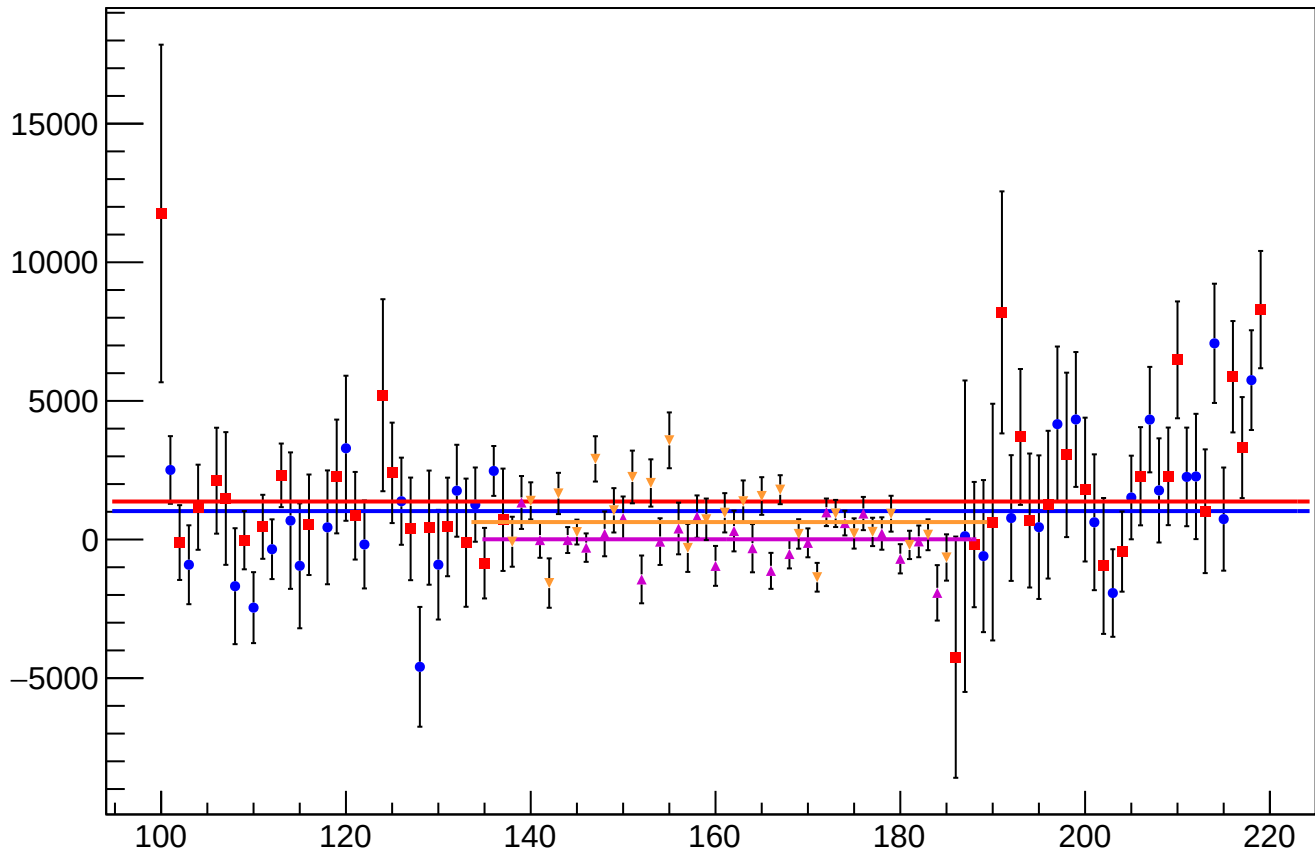
Left In: 527.986 $\pm$ 0.090 χ^2 /NDF: 1800449.7/22

+ sign 637.460 $\pm$ 0.081 χ^2 /NDF: 16989438.6/56

All: 639.948 $\pm$ 0.058 χ^2 /NDF: 35436901.7/11

- sign 642.515 $\pm$ 0.082 χ^2 /NDF: 18445556.0/59

asym_sam_37_avg_mean vs Slug



Right In: 1025.154 $\pm$ 305.159 χ^2 /NDF: 52.8/31

Left Out: 629.379 $\pm$ 128.853 χ^2 /NDF: 64.9/24

Right Out: 1370.987 $\pm$ 305.406 χ^2 /NDF: 45.5/36

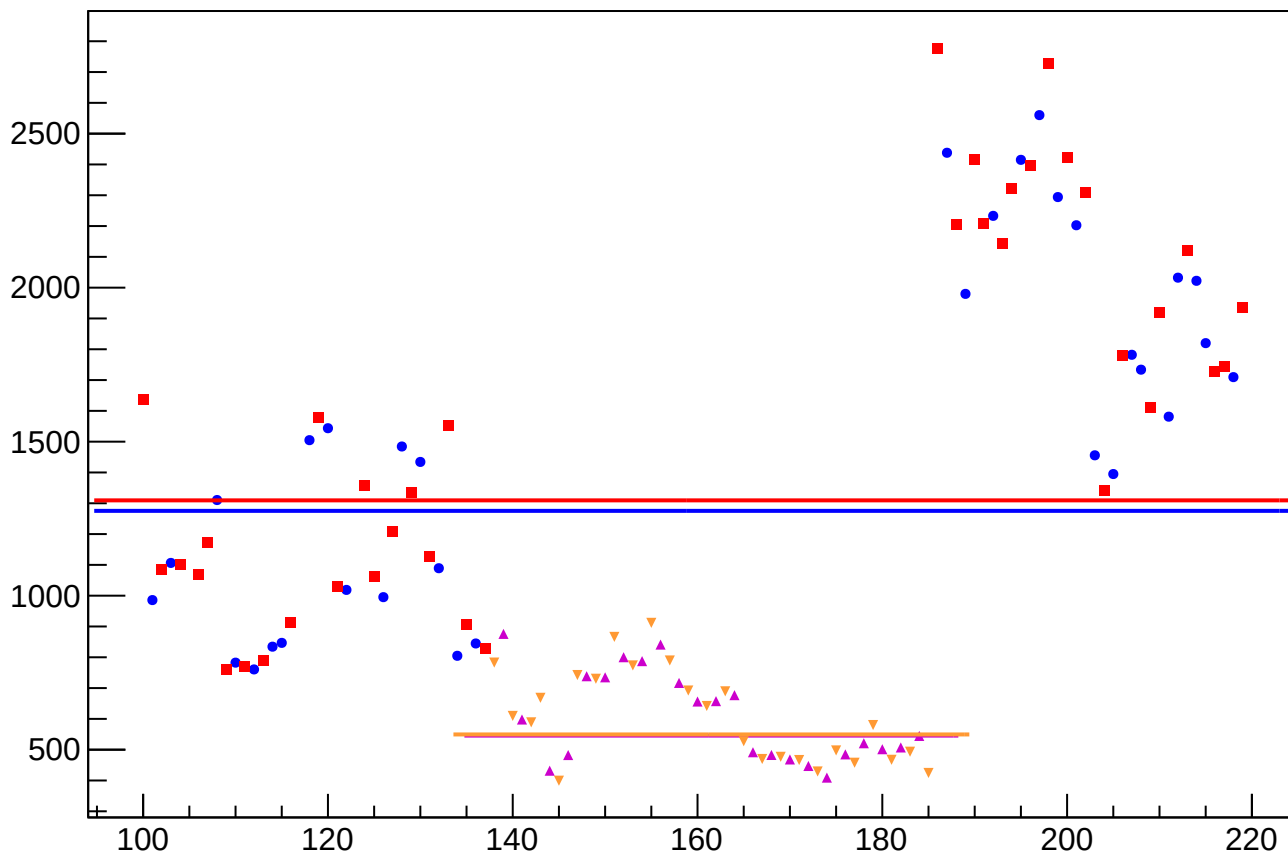
Left In: 8.460 $\pm$ 131.289 χ^2 /NDF: 27.3/22

+ sign 689.266 $\pm$ 118.705 χ^2 /NDF: 119.1/56

All: 458.864 $\pm$ 84.605 χ^2 /NDF: 216.4/116

- sign 220.982 $\pm$ 120.616 χ^2 /NDF: 89.6/59

asym_sam_37_avg_rms vs Slug



Right In: 1275.362 $\pm$ 0.216 χ^2 /NDF: 5087417.1/31

Left Out: 549.475 $\pm$ 0.091 χ^2 /NDF: 2053905.8/24

Right Out: 1309.431 $\pm$ 0.216 χ^2 /NDF: 5982284.8/36

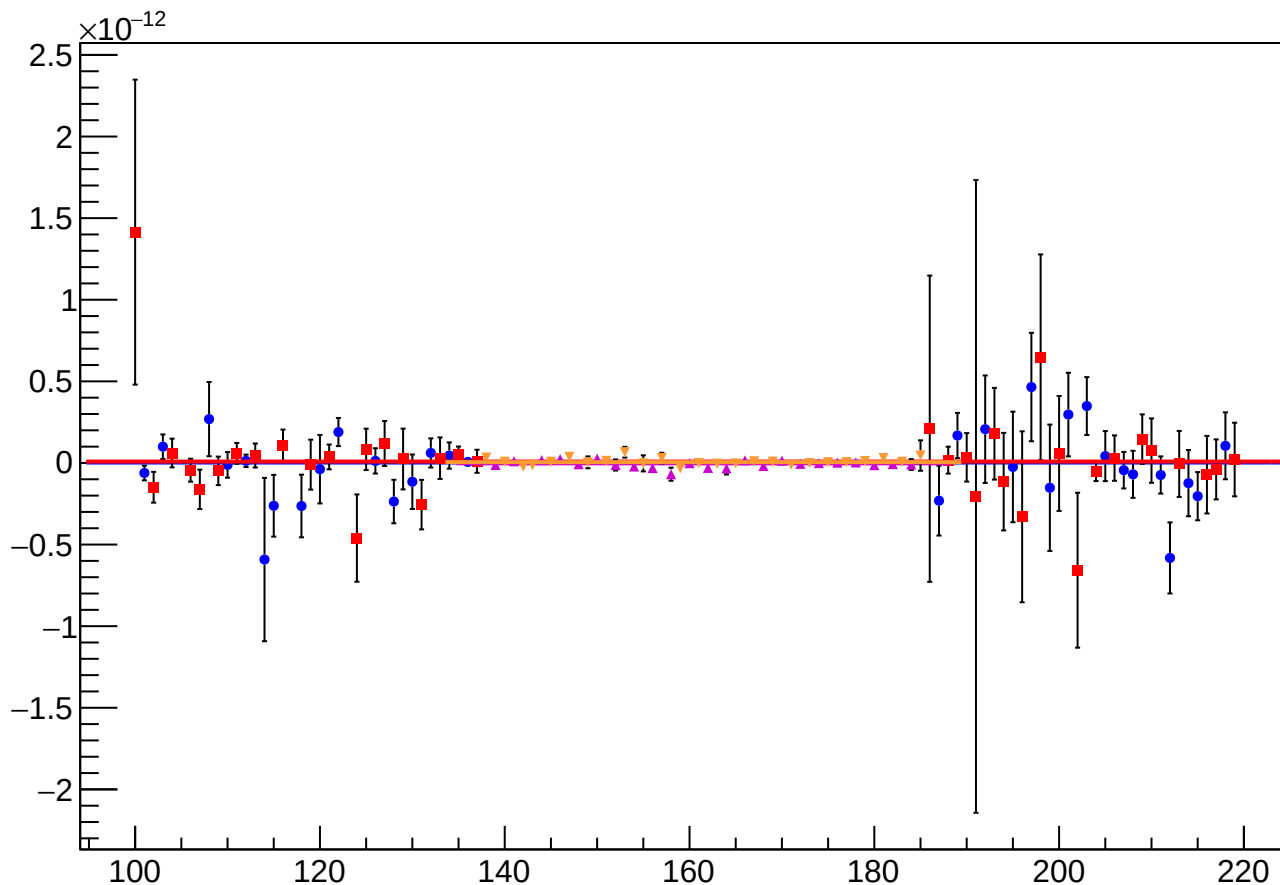
Left In: 545.708 $\pm$ 0.093 χ^2 /NDF: 1814508.3/22

+ sign 659.313 $\pm$ 0.084 χ^2 /NDF: 16745545.0/56

All: 662.028 $\pm$ 0.060 χ^2 /NDF: 35100517.6/1

- sign 664.831 $\pm$ 0.085 χ^2 /NDF: 18352846.6/59

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.6/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.7/36

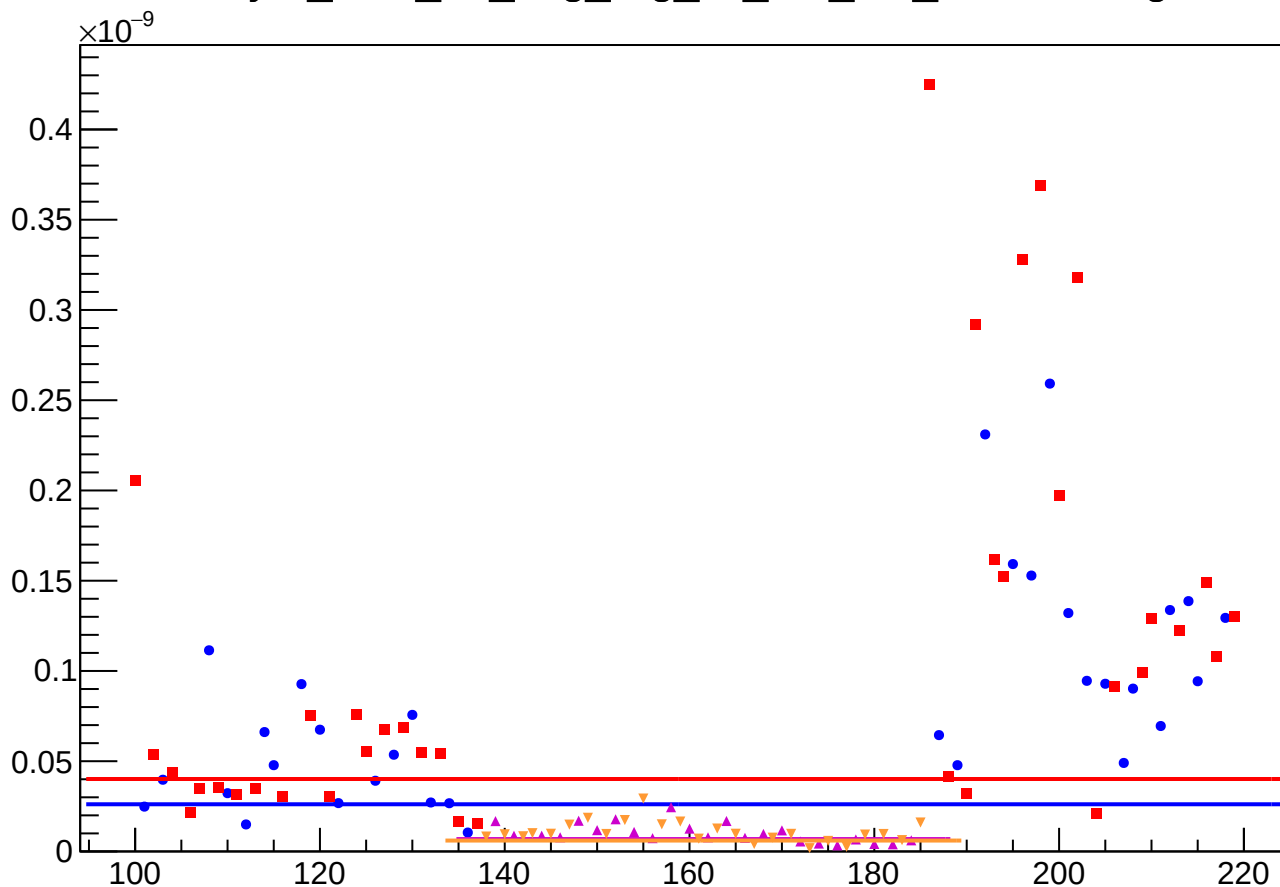
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:20.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 56.3/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 103.8/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 45.1/59

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8475642.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7236751.8/36

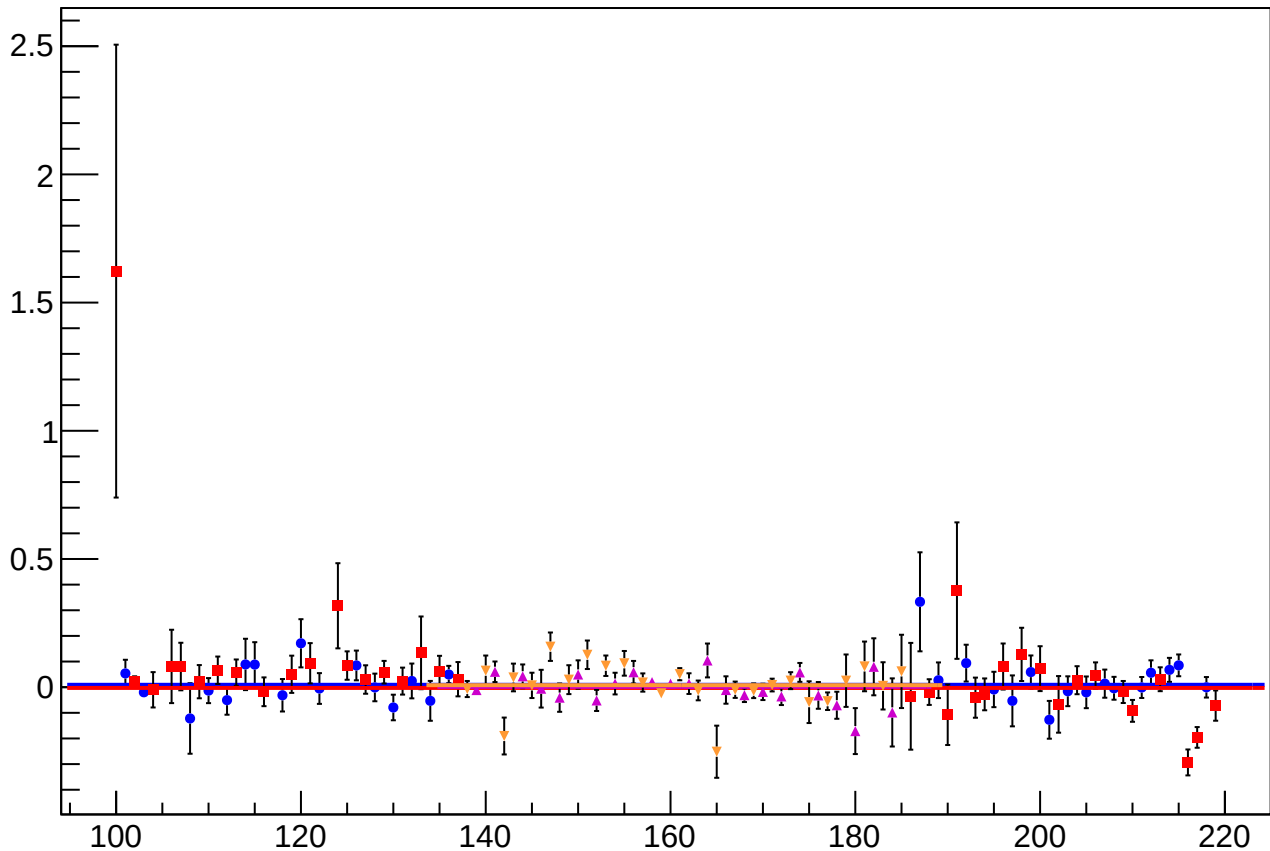
Left In: 0.000+/-0.000 χ^2/NDF : 2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 16189767.9/56

All: 0.000+/-0.000 χ^2/NDF : 32485345.5/116

- sign 0.000+/-0.000 χ^2/NDF : 16198761.4/59

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.009 χ^2 /NDF: 32.1/31

Left Out: 0.008 $\pm$ 0.008 χ^2 /NDF: 47.6/24

Right Out: -0.003 $\pm$ 0.009 χ^2 /NDF: 92.3/36

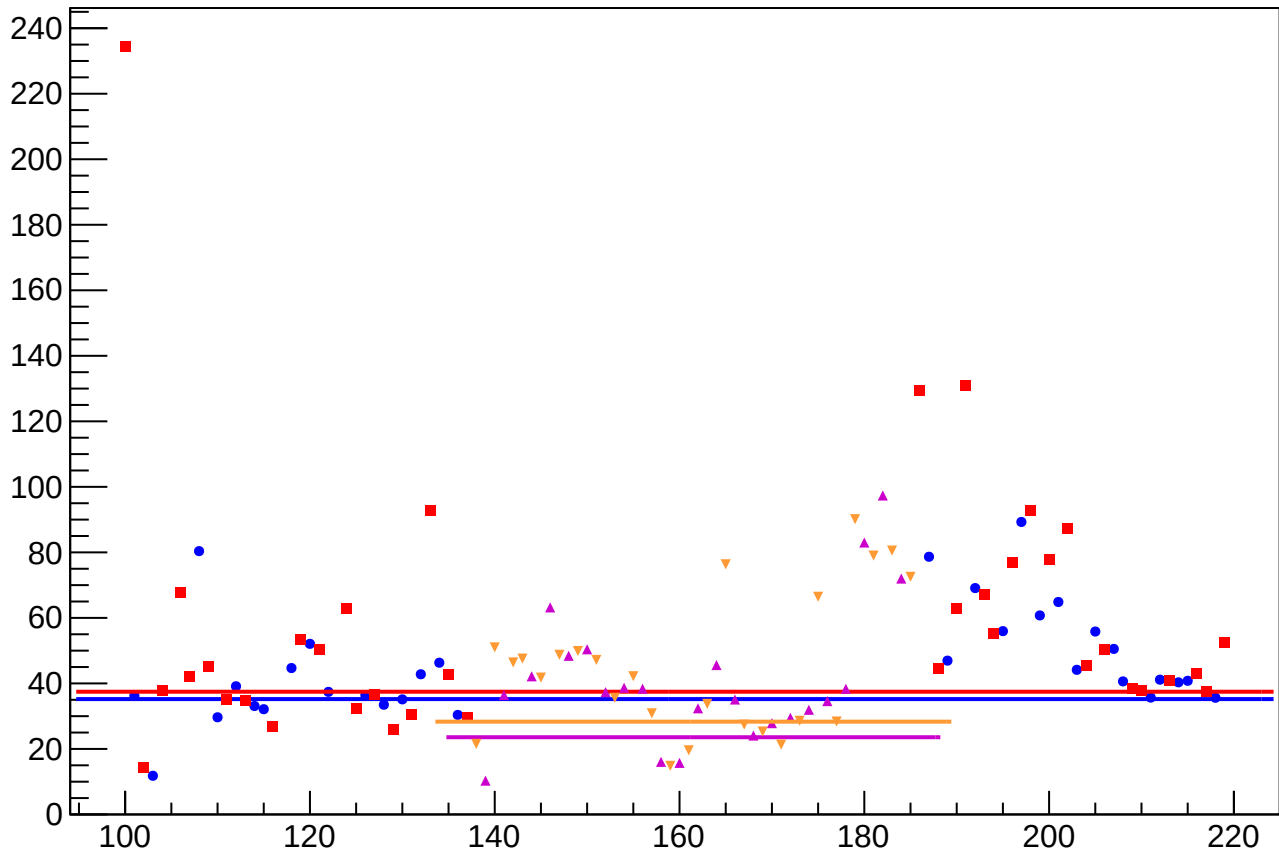
Left In: 0.001 $\pm$ 0.007 χ^2 /NDF: 25.1/22

+ sign 0.008 $\pm$ 0.006 χ^2 /NDF: 79.7/56

All: 0.004 $\pm$ 0.004 χ^2 /NDF: 198.4/116

- sign -0.000 $\pm$ 0.006 χ^2 /NDF: 117.6/59

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.216+/-0.006 χ^2/NDF : 5873835.3/31

Left Out: 28.325+/-0.005 χ^2/NDF : 6788307.1/24

Right Out: 37.466+/-0.007 χ^2/NDF : 6694434.2/36

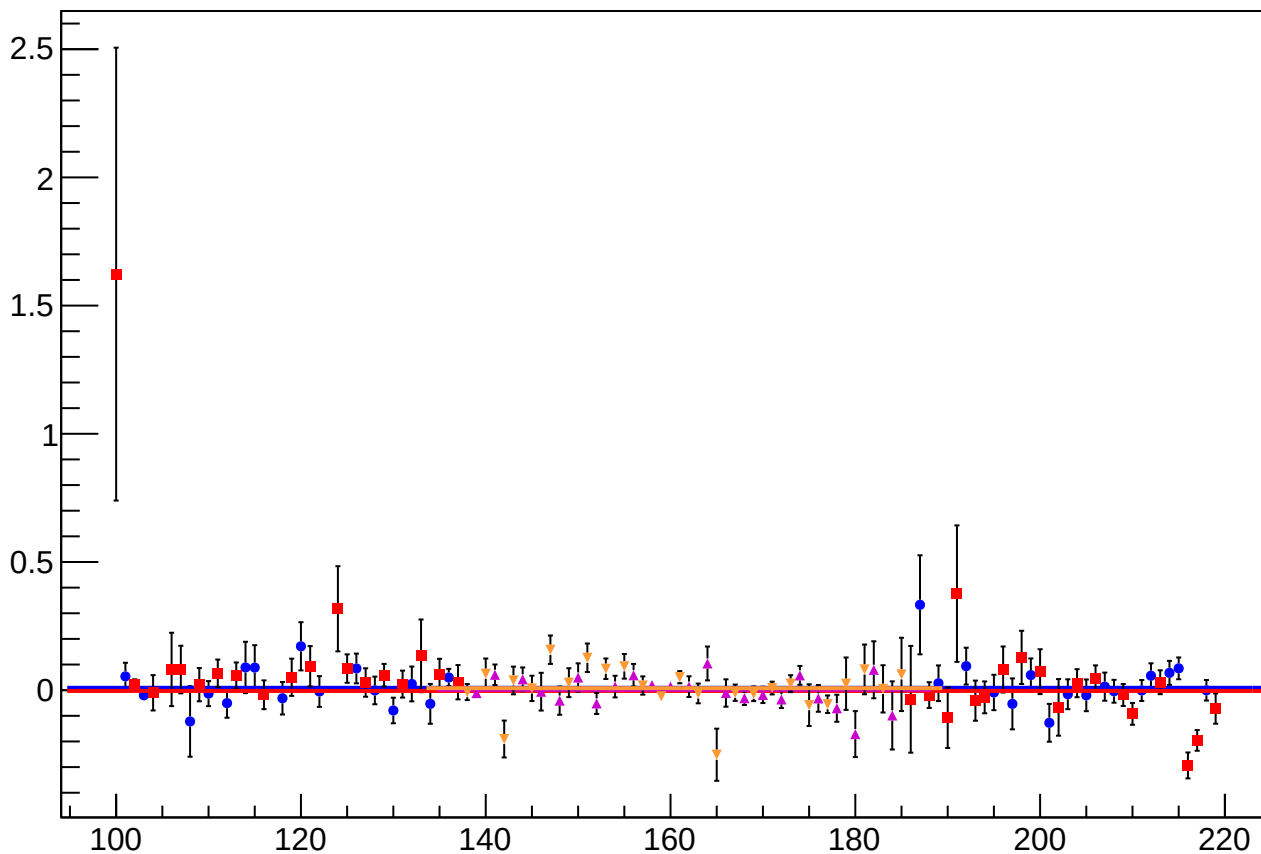
Left In: 23.572+/-0.005 χ^2/NDF : 8263833.7/22

+ sign 31.152+/-0.004 χ^2/NDF : 13340949.5/56

All: 29.659+/-0.003 χ^2/NDF : 31392890.7/116

- sign 28.312+/-0.004 χ^2/NDF : 17801423.3/59

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 ± 0.009 χ^2/NDF : 32.1/31

Left Out: 0.008 ± 0.008 χ^2/NDF : 47.6/24

Right Out: -0.003 ± 0.009 χ^2/NDF : 92.3/36

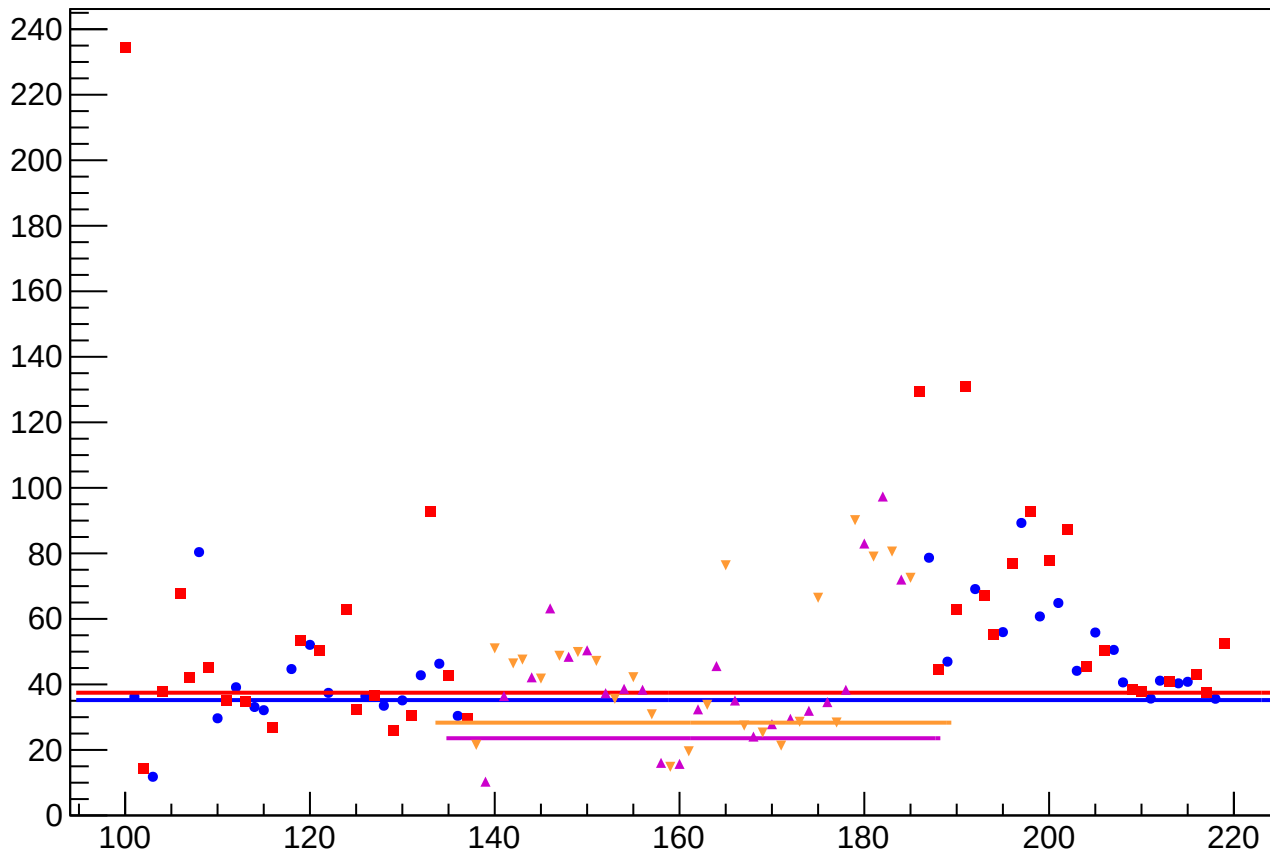
Left In: 0.001 ± 0.007 χ^2/NDF : 25.1/22

+ sign 0.008 ± 0.006 χ^2/NDF : 79.7/56

All: 0.004 ± 0.004 χ^2/NDF : 198.4/116

- sign -0.000 ± 0.006 χ^2/NDF : 117.6/59

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.216+/-0.006 χ^2/NDF : 5873835.3/31

Left Out: 28.325+/-0.005 χ^2/NDF : 6788307.1/24

Right Out: 37.466+/-0.007 χ^2/NDF : 6694434.2/36

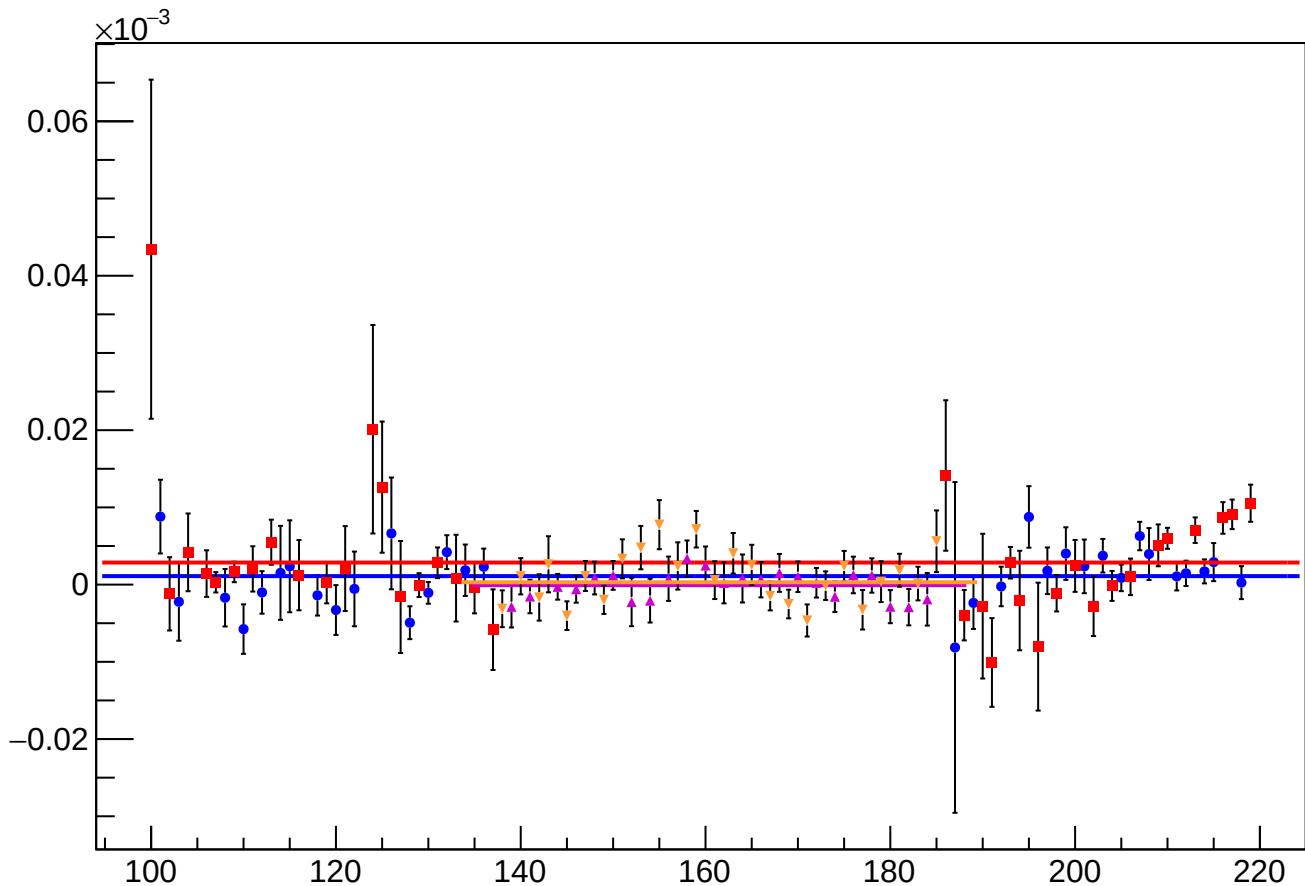
Left In: 23.572+/-0.005 χ^2/NDF : 8263833.7/22

+ sign 31.152+/-0.004 χ^2/NDF : 13340949.5/56

All: 29.659+/-0.003 χ^2/NDF : 31392890.7/116

- sign 28.312+/-0.004 χ^2/NDF : 17801423.3/59

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.2/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 45.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 84.7/36

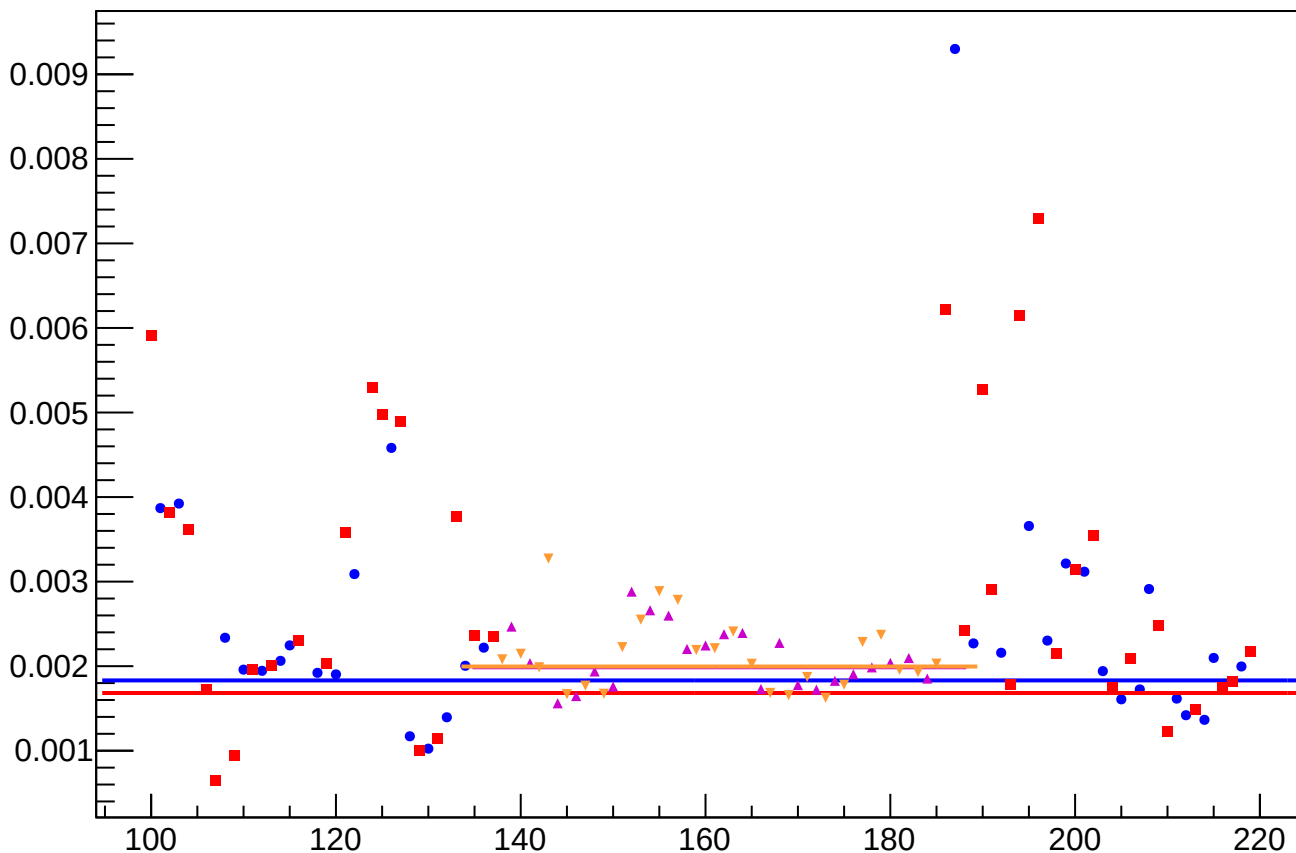
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 89.4/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 211.0/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 118.2/59

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 4182145.9/31

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1173308.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 9077334.7/36

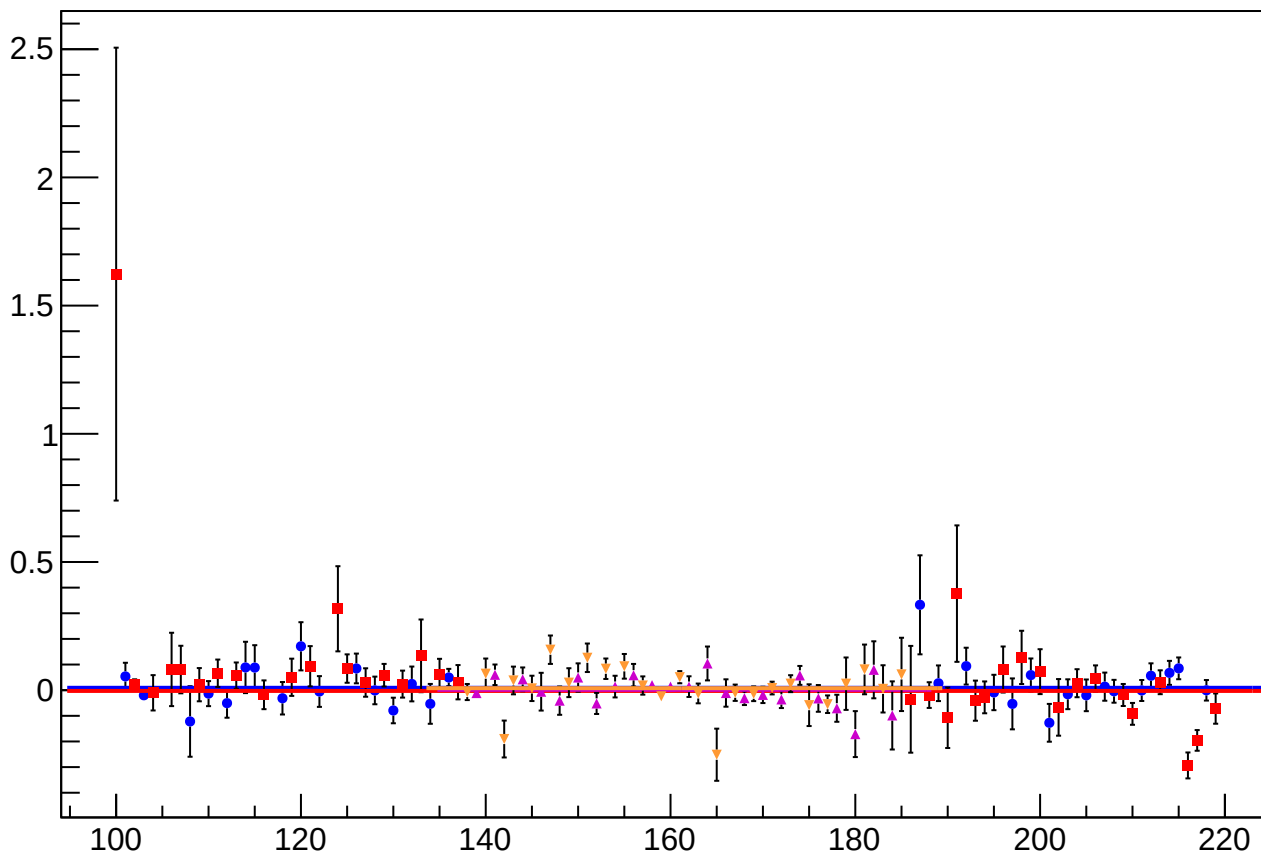
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:924009.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5485332.1/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 16034820.9/116

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 10463385.5/59

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.009 χ^2 /NDF: 32.1/31

Left Out: 0.008 $\pm$ 0.008 χ^2 /NDF: 47.6/24

Right Out: -0.003 $\pm$ 0.009 χ^2 /NDF: 92.3/36

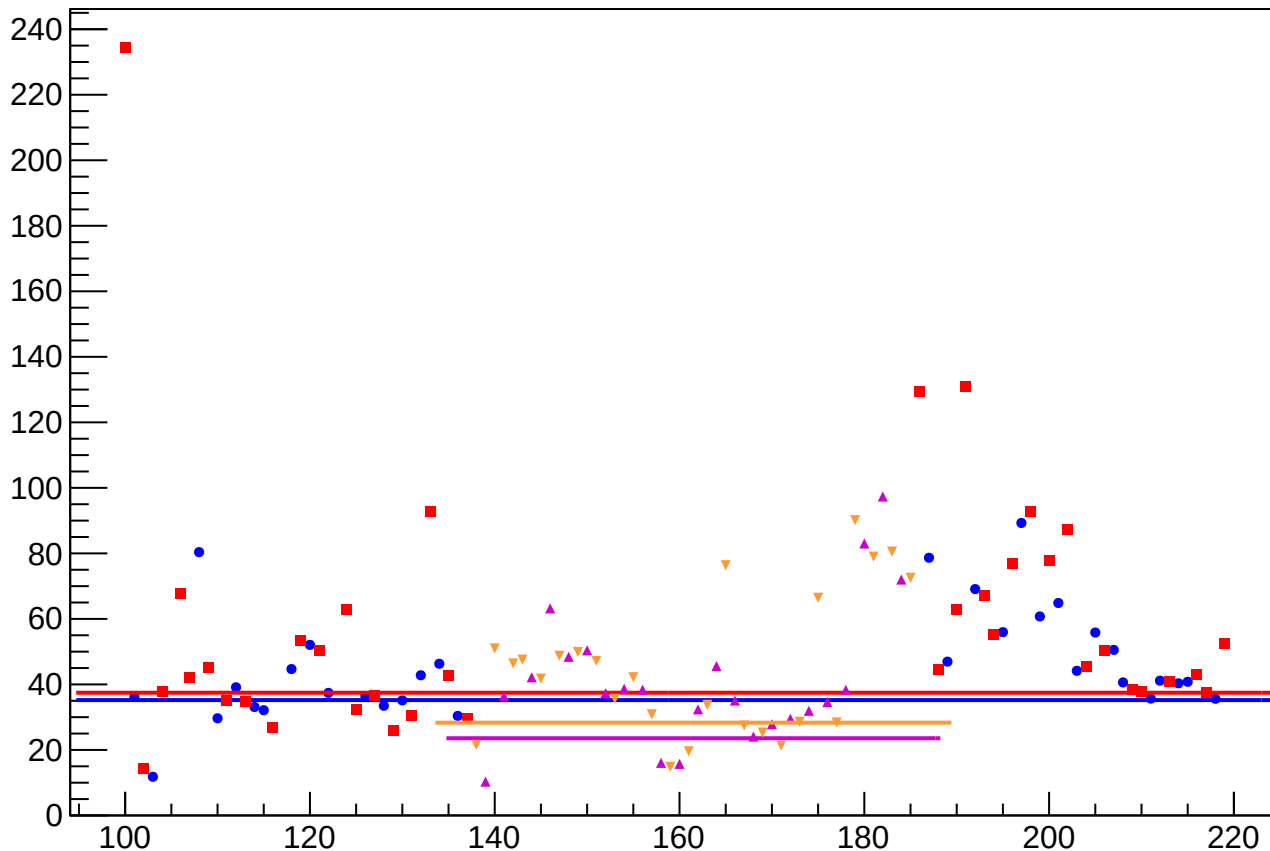
Left In: 0.001 $\pm$ 0.007 χ^2 /NDF: 25.1/22

+ sign 0.008 $\pm$ 0.006 χ^2 /NDF: 79.7/56

All: 0.004 $\pm$ 0.004 χ^2 /NDF: 198.4/116

- sign -0.000 $\pm$ 0.006 χ^2 /NDF: 117.6/59

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.216+/-0.006 χ^2/NDF : 5874278.2/31

Left Out: 28.324+/-0.005 χ^2/NDF : 6788766.1/24

Right Out: 37.468+/-0.007 χ^2/NDF : 6693164.0/36

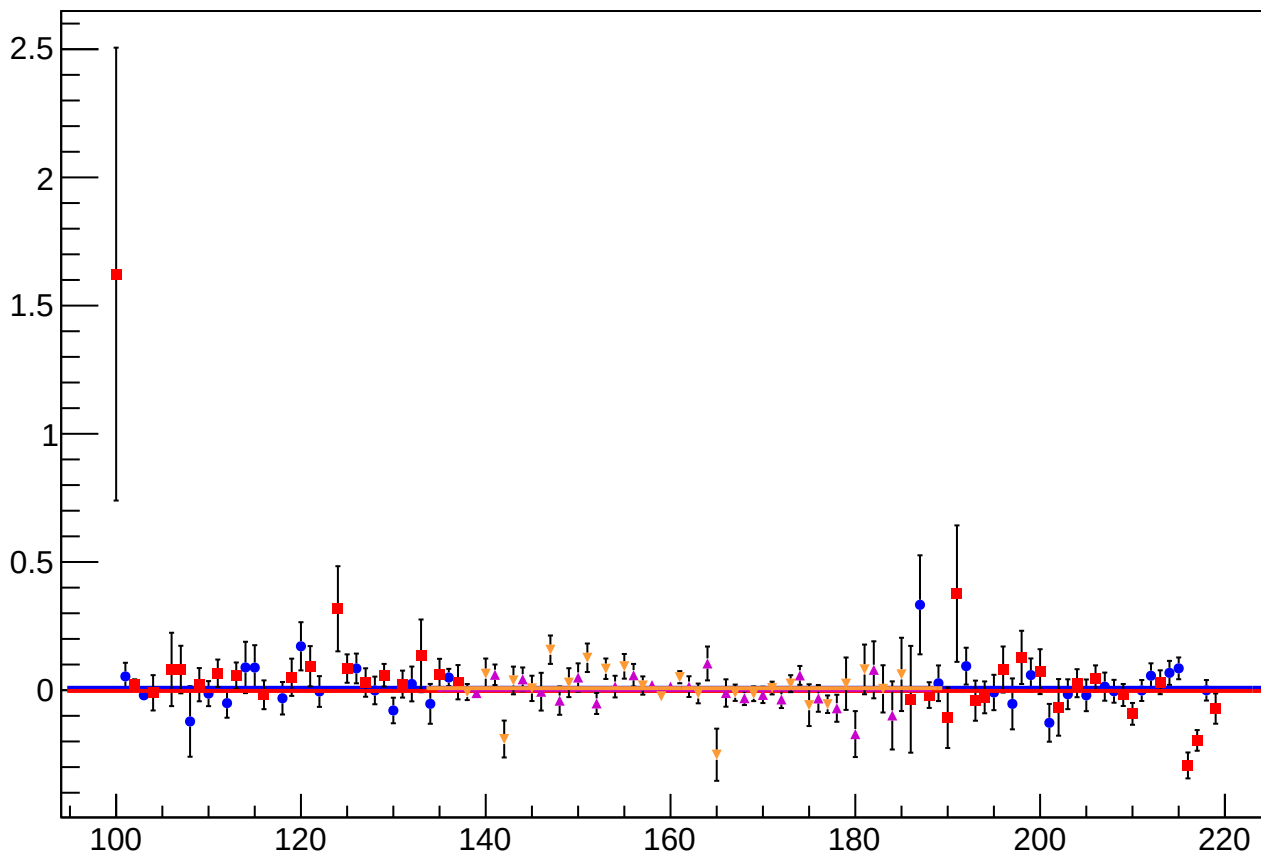
Left In: 23.571+/-0.005 χ^2/NDF : 8264891.4/22

+ sign 31.152+/-0.004 χ^2/NDF : 13341819.1/56

All: 29.658+/-0.003 χ^2/NDF : 31394781.5/116

- sign 28.312+/-0.004 χ^2/NDF : 17802443.5/59

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.009 χ^2/NDF : 32.1/31

Left Out: 0.008+/-0.008 χ^2/NDF : 47.6/24

Right Out: -0.003+/-0.009 χ^2/NDF : 92.3/36

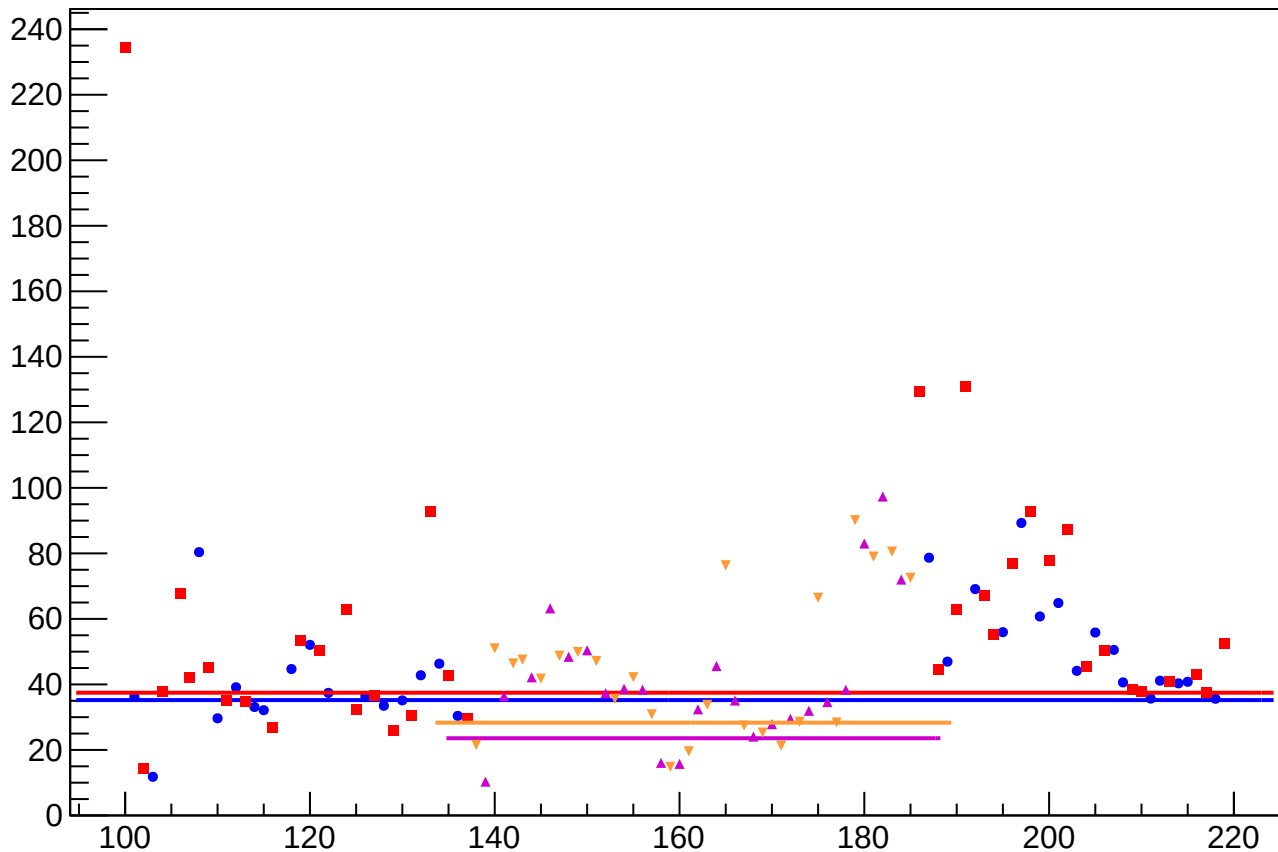
Left In: 0.001+/-0.007 χ^2/NDF : 25.1/22

+ sign 0.008+/-0.006 χ^2/NDF : 79.7/56

All: 0.004+/-0.004 χ^2/NDF : 198.4/116

- sign -0.000+/-0.006 χ^2/NDF : 117.6/59

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.216+/-0.006 χ^2/NDF : 5874278.2/31

Left Out: 28.324+/-0.005 χ^2/NDF : 6788766.1/24

Right Out: 37.468+/-0.007 χ^2/NDF : 6693164.0/36

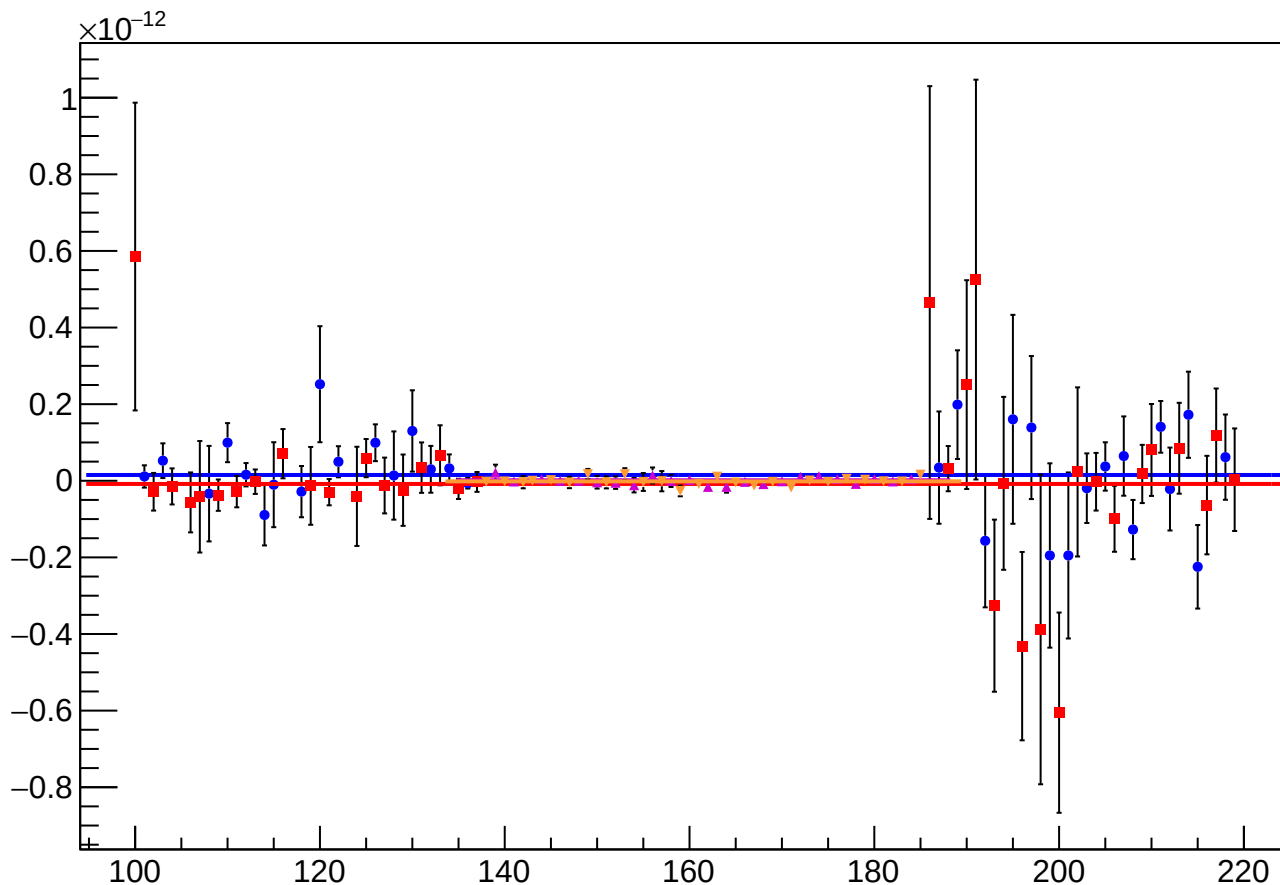
Left In: 23.571+/-0.005 χ^2/NDF : 8264891.4/22

+ sign 31.152+/-0.004 χ^2/NDF : 13341819.1/56

All: 29.658+/-0.003 χ^2/NDF : 31394781.5/116

- sign 28.312+/-0.004 χ^2/NDF : 17802443.5/59

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 35.5/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 17.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 26.9/36

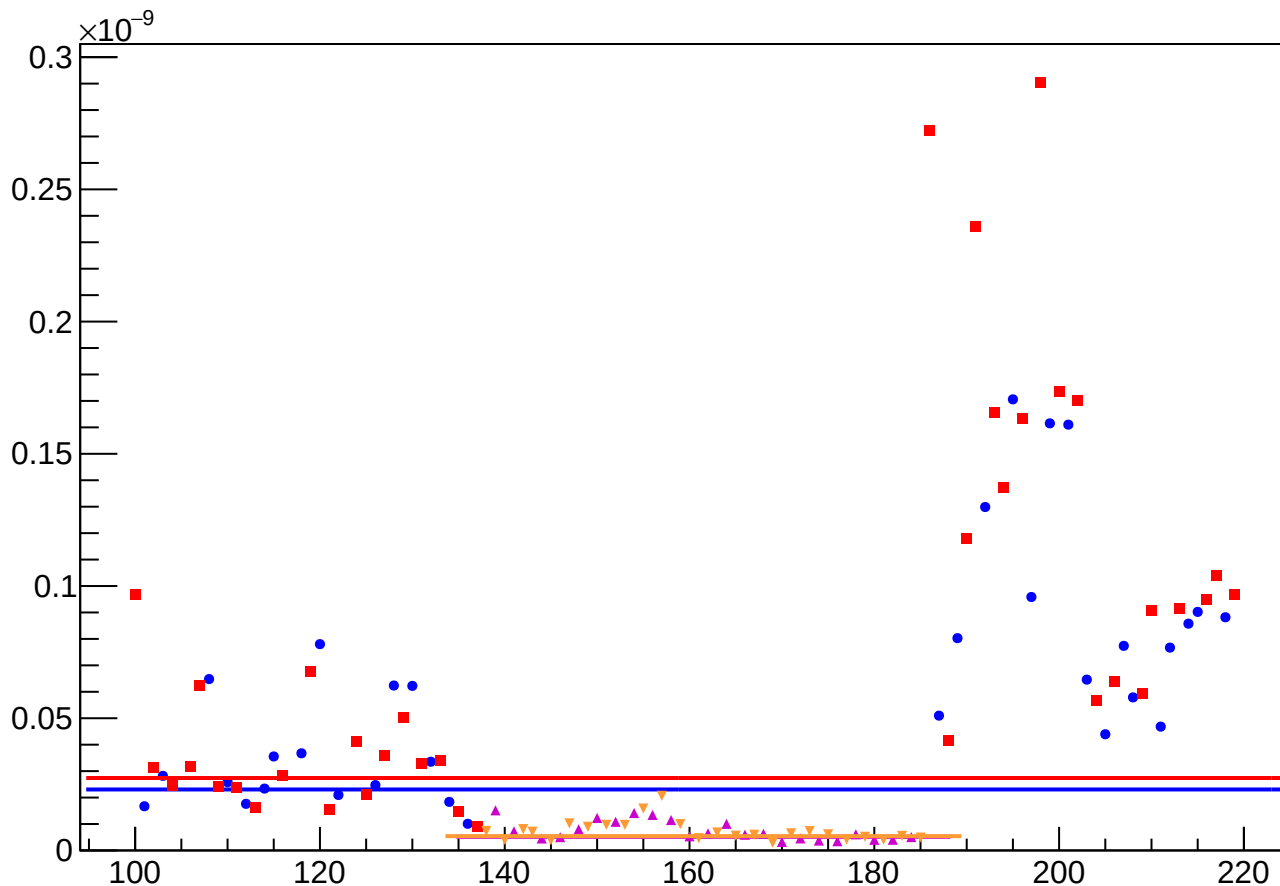
Left In: 0.000 ± 0.000 χ^2/NDF : 15.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 56.4/56

All: 0.000 ± 0.000 χ^2/NDF : 100.7/116

- sign 0.000 ± 0.000 χ^2/NDF : 43.7/59

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 11085402.9/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3068356.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 11934531.6/36

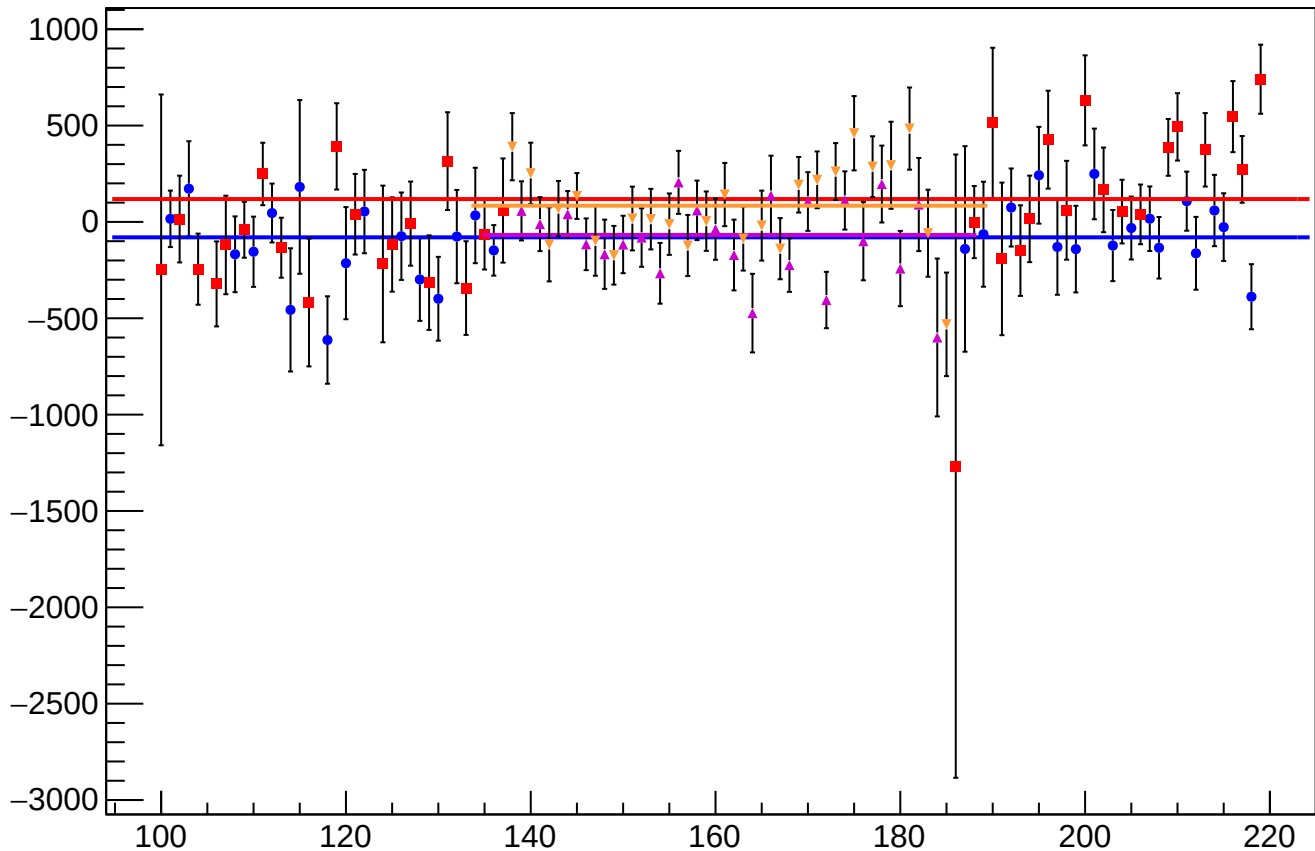
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 3390855.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 21699732.6/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 46404865.3/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 24679920.6/59

reg_asym_sam_48_avg_mean vs Slug



Right In: -80.085 ± 35.286 χ^2/NDF : 24.6/31

Left Out: 84.324 ± 33.036 χ^2/NDF : 33.8/24

Right Out: 118.602 ± 34.720 χ^2/NDF : 67.2/36

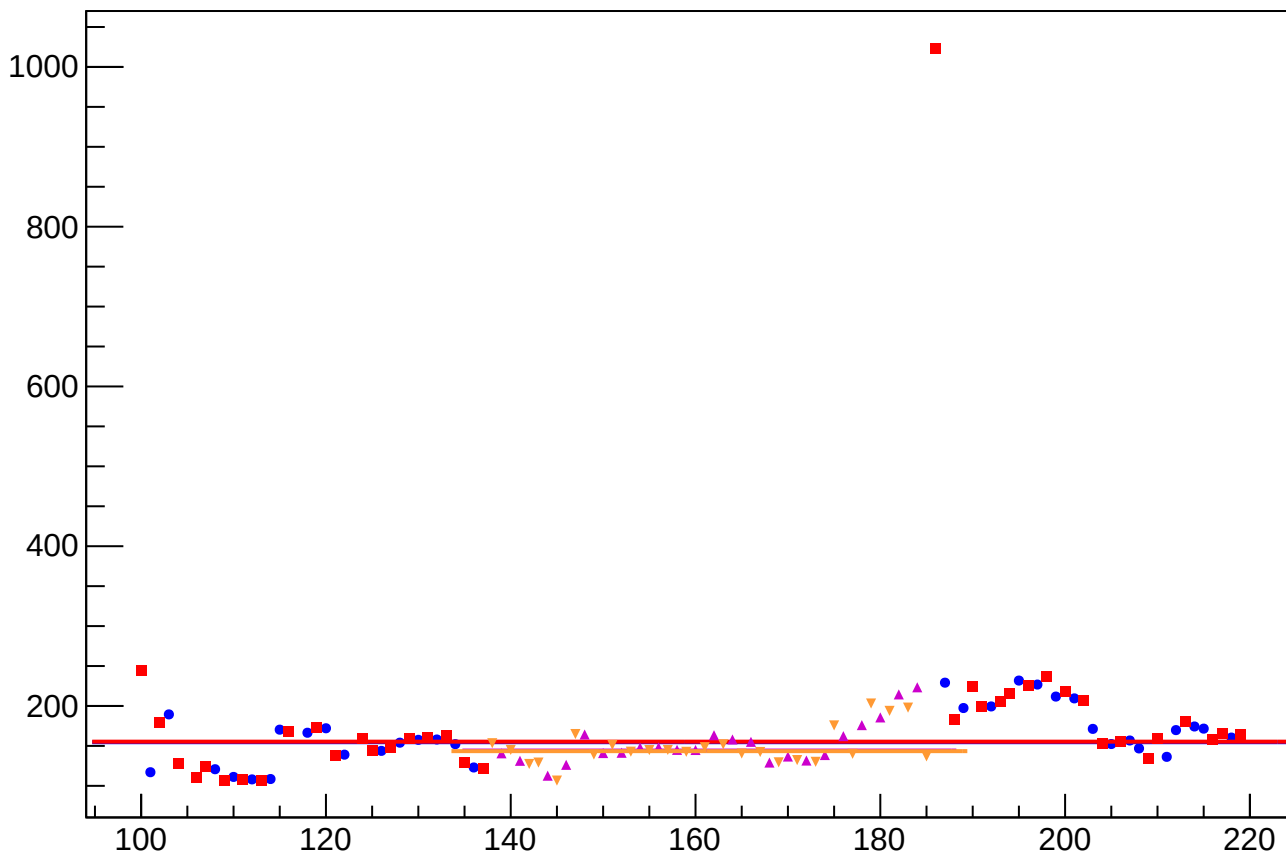
Left In: -67.646 ± 34.137 χ^2/NDF : 26.5/22

+ sign 7.528 ± 24.116 χ^2/NDF : 70.0/56

All: 15.638 ± 17.132 χ^2/NDF : 178.6/116

- sign 23.901 ± 24.342 χ^2/NDF : 108.3/59

reg_asym_sam_48_avg_rms vs Slug



Right In: 154.625+/-0.025 χ^2/NDF : 1608172.3/31

Left Out: 143.444+/-0.023 χ^2/NDF : 747040.9/24

Right Out: 155.326+/-0.025 χ^2/NDF : 2530510.5/36

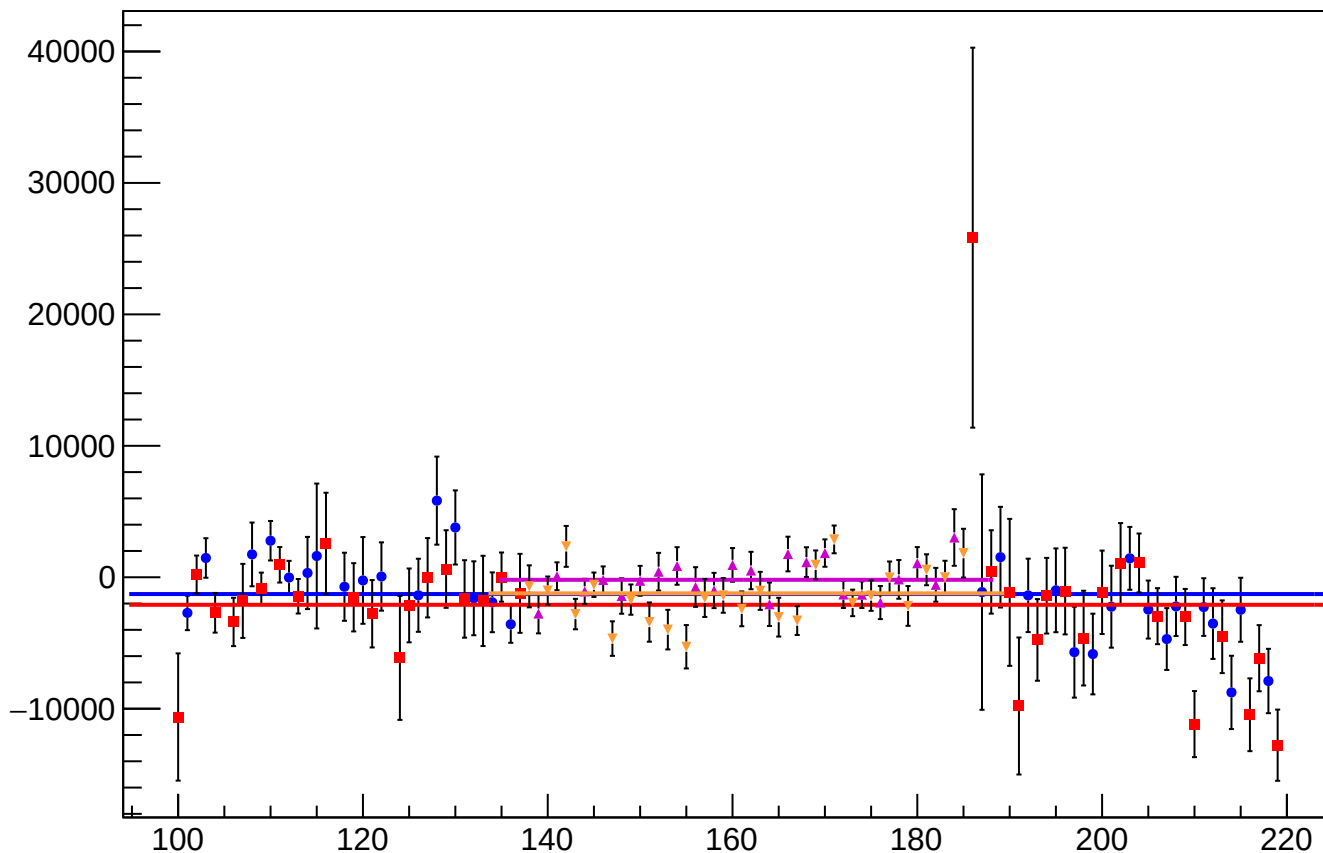
Left In: 144.170+/-0.024 χ^2/NDF : 702713.8/22

+ sign 148.666+/-0.017 χ^2/NDF : 2462232.2/56

All: 149.155+/-0.012 χ^2/NDF : 5802097.3/116

- sign 149.654+/-0.017 χ^2/NDF : 3338204.4/59

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -1277.301 $\pm$ 403.376 χ^2 /NDF: 49.8/31

Left Out: -1225.049 $\pm$ 251.767 χ^2 /NDF: 59.3/24

Right Out: -2094.482 $\pm$ 386.865 χ^2 /NDF: 70.3/36

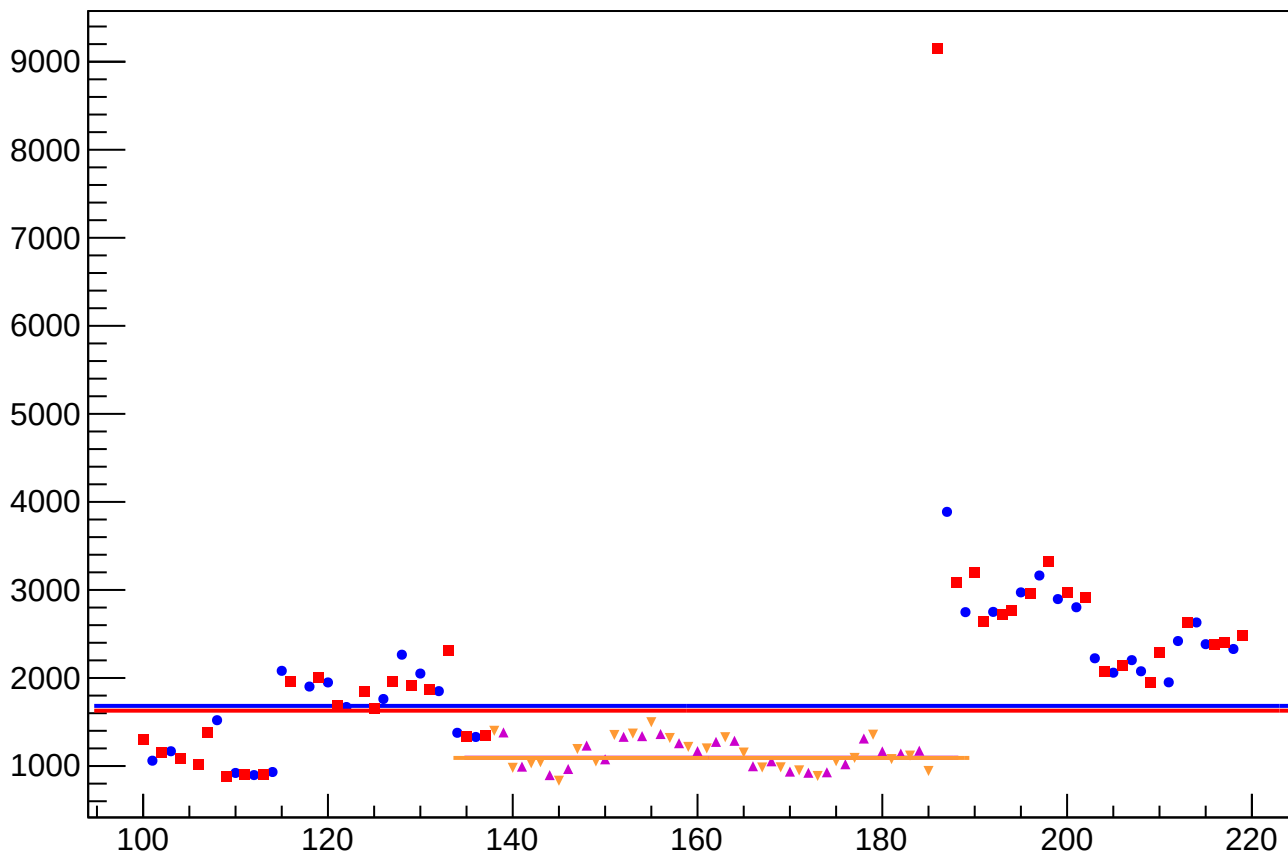
Left In: -193.805 $\pm$ 258.922 χ^2 /NDF: 23.3/22

+ sign -1239.697 $\pm$ 213.580 χ^2 /NDF: 109.1/56

All: -1012.455 $\pm$ 151.585 χ^2 /NDF: 221.6/116

- sign -781.803 $\pm$ 215.176 χ^2 /NDF: 110.3/59

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1683.048 $\pm$ 0.285 χ^2 /NDF: 5294379.7/31

Left Out: 1091.980 $\pm$ 0.178 χ^2 /NDF: 892442.4/24

Right Out: 1628.862 $\pm$ 0.274 χ^2 /NDF: 7348458.5/36

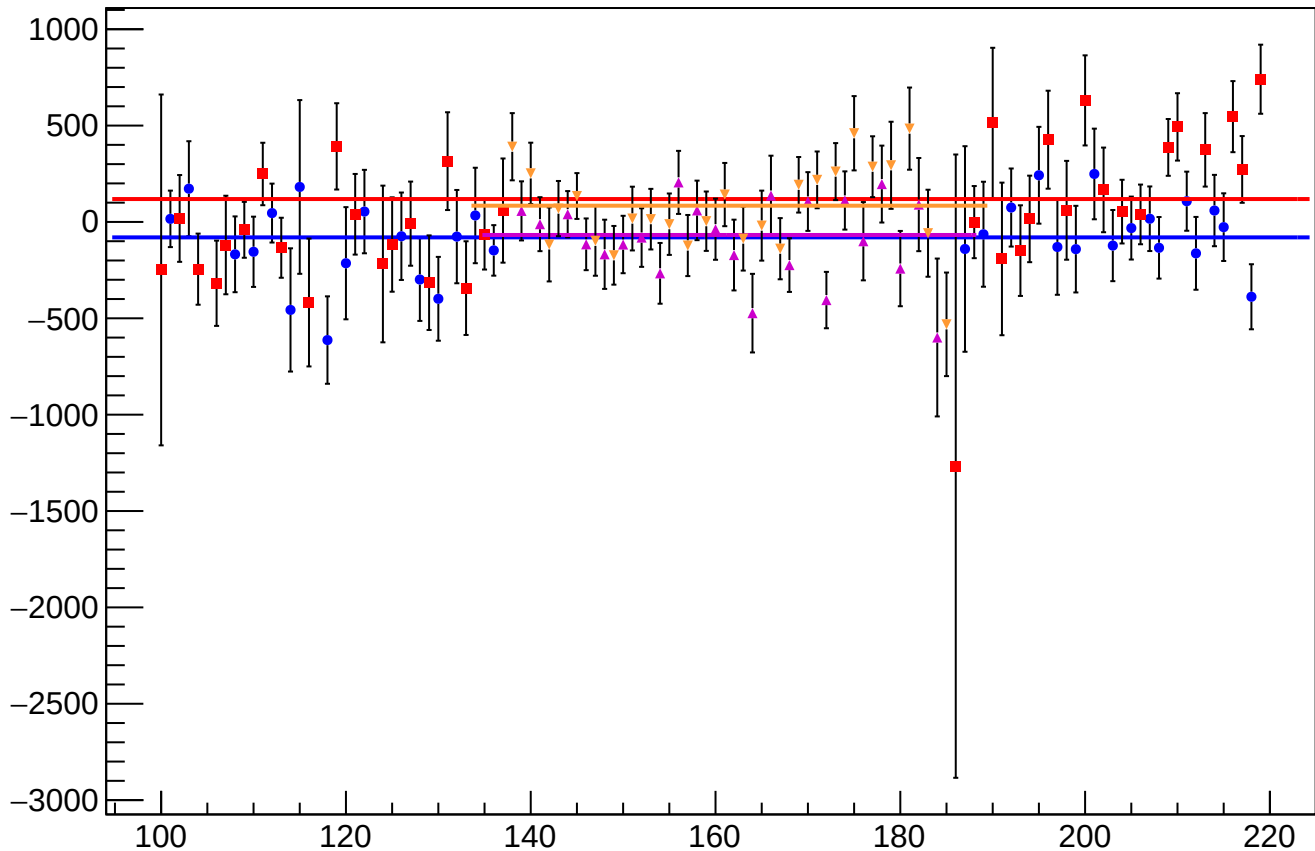
Left In: 1094.478 $\pm$ 0.183 χ^2 /NDF: 732975.2/22

+ sign 1257.685 $\pm$ 0.151 χ^2 /NDF: 9277167.9/56

All: 1258.733 $\pm$ 0.107 χ^2 /NDF: 19994224.5/100

- sign 1259.797 $\pm$ 0.152 χ^2 /NDF: 10716959.7/59

cor_asym_sam_48_avg_mean vs Slug



Right In: -80.091 ± 35.286 χ^2/NDF : 24.6/31

Left Out: 84.338 ± 33.036 χ^2/NDF : 33.8/24

Right Out: 118.837 ± 34.723 χ^2/NDF : 67.1/36

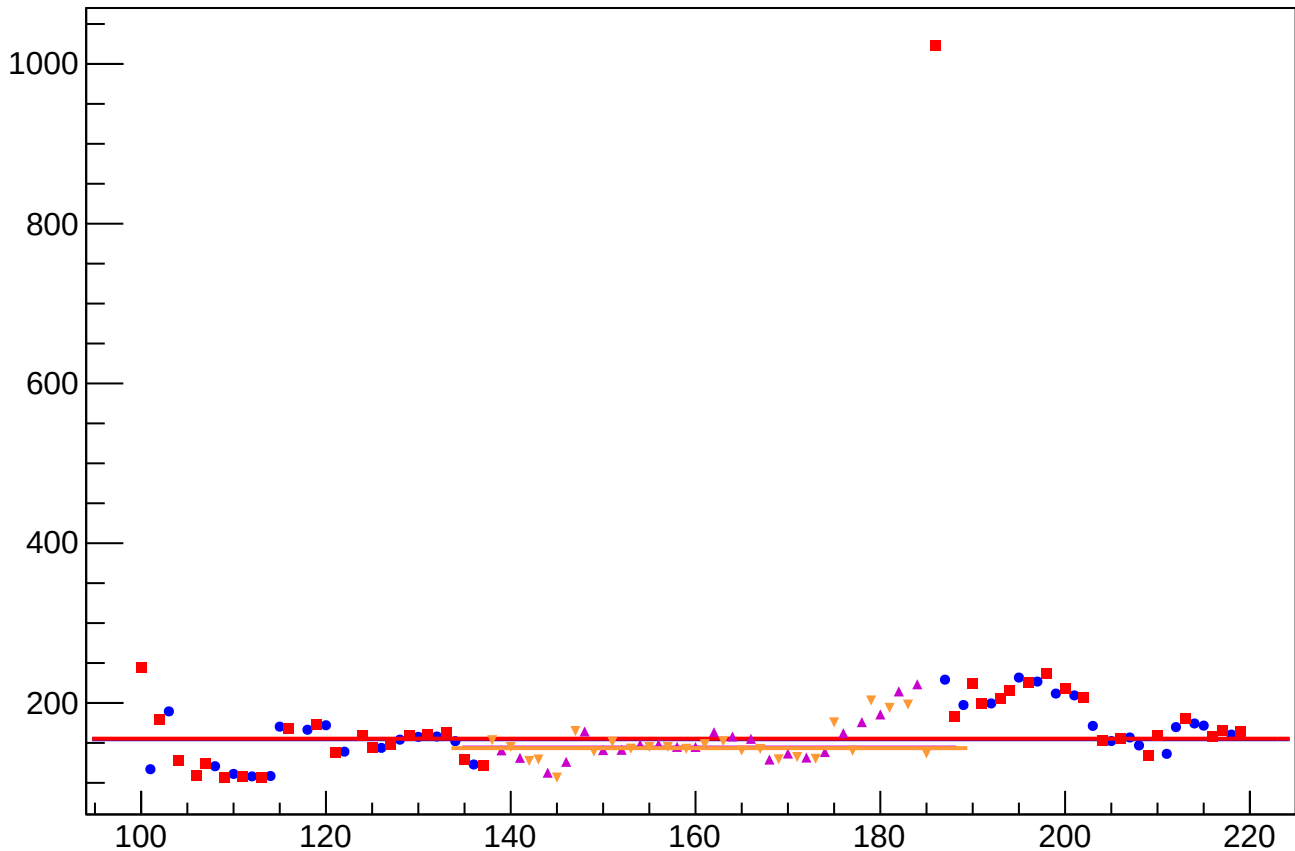
Left In: -67.648 ± 34.137 χ^2/NDF : 26.5/22

+ sign 7.533 ± 24.116 χ^2/NDF : 70.0/56

All: 15.693 ± 17.132 χ^2/NDF : 178.5/116

- sign 24.007 ± 24.343 χ^2/NDF : 108.3/59

cor_asym_sam_48_avg_rms vs Slug



Right In: 154.625+/-0.025 χ^2/NDF : 1608174.5/31

Left Out: 143.444+/-0.023 χ^2/NDF : 747040.9/24

Right Out: 155.295+/-0.025 χ^2/NDF : 2536092.2/36

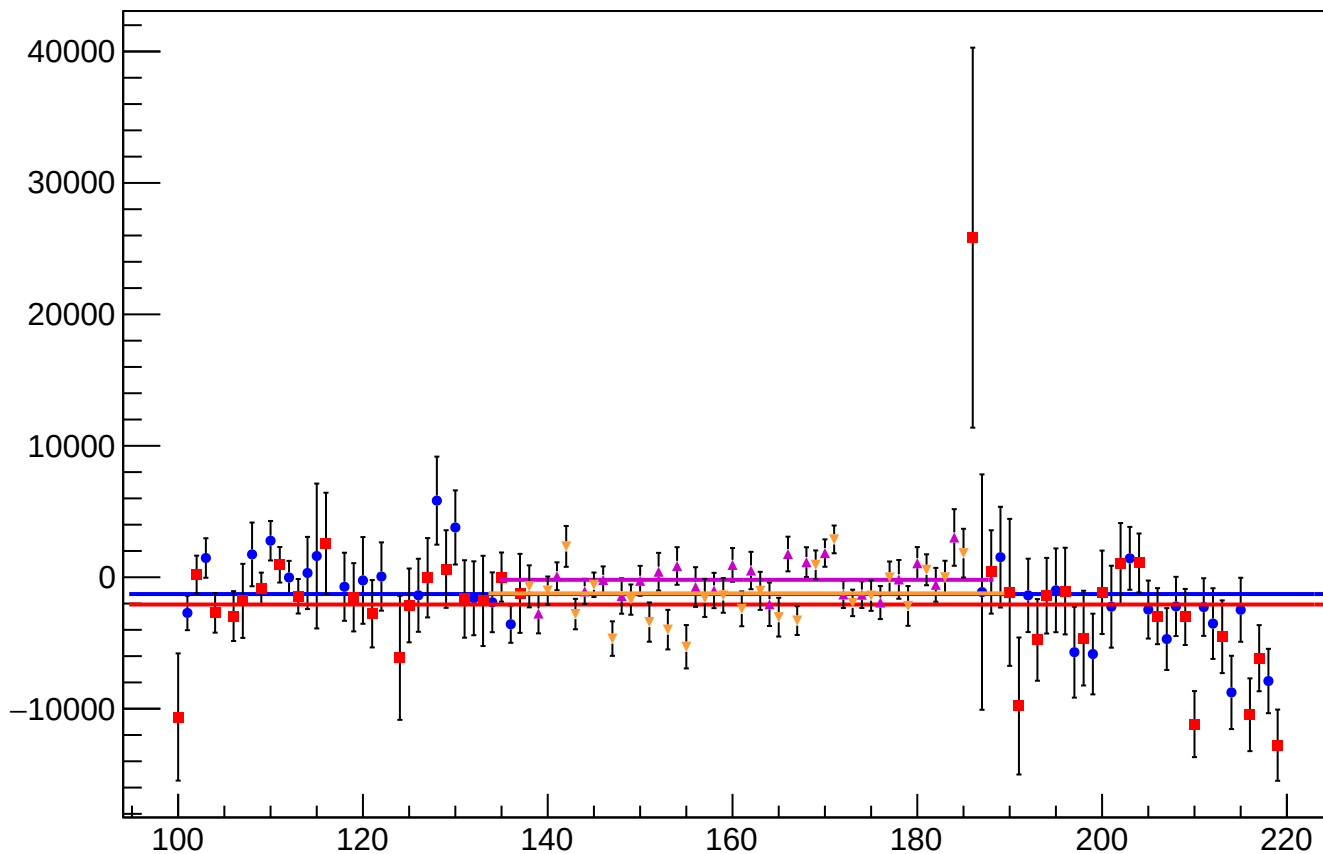
Left In: 144.170+/-0.024 χ^2/NDF : 702713.8/22

+ sign 148.666+/-0.017 χ^2/NDF : 2462234.7/56

All: 149.148+/-0.012 χ^2/NDF : 5807035.5/116

- sign 149.638+/-0.017 χ^2/NDF : 3343192.7/59

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -1277.356 $\pm$ 403.378 χ^2/NDF : 49.8/31

Left Out: -1225.031 $\pm$ 251.767 χ^2/NDF : 59.3/24

Right Out: -2073.038 $\pm$ 387.385 χ^2/NDF : 70.0/36

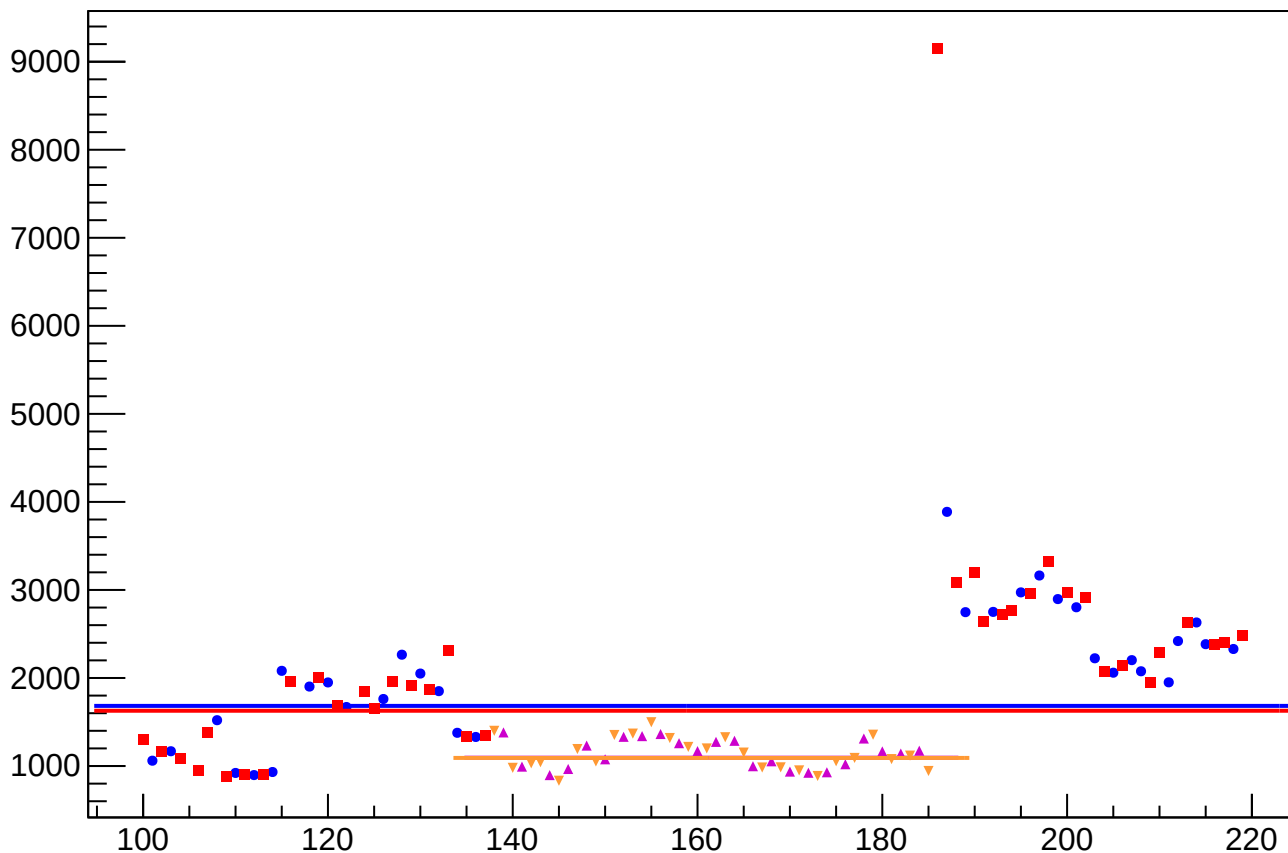
Left In: -193.808 $\pm$ 258.922 χ^2/NDF : 23.3/22

+ sign -1239.700 $\pm$ 213.580 χ^2/NDF : 109.1/56

All: -1008.727 $\pm$ 151.616 χ^2/NDF : 221.0/116

- sign -774.094 $\pm$ 215.265 χ^2/NDF : 109.5/59

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1683.062 $\pm$ 0.285 χ^2 /NDF: 5294245.6/31

Left Out: 1091.979 $\pm$ 0.178 χ^2 /NDF: 892441.9/24

Right Out: 1627.957 $\pm$ 0.274 χ^2 /NDF: 7378982.3/36

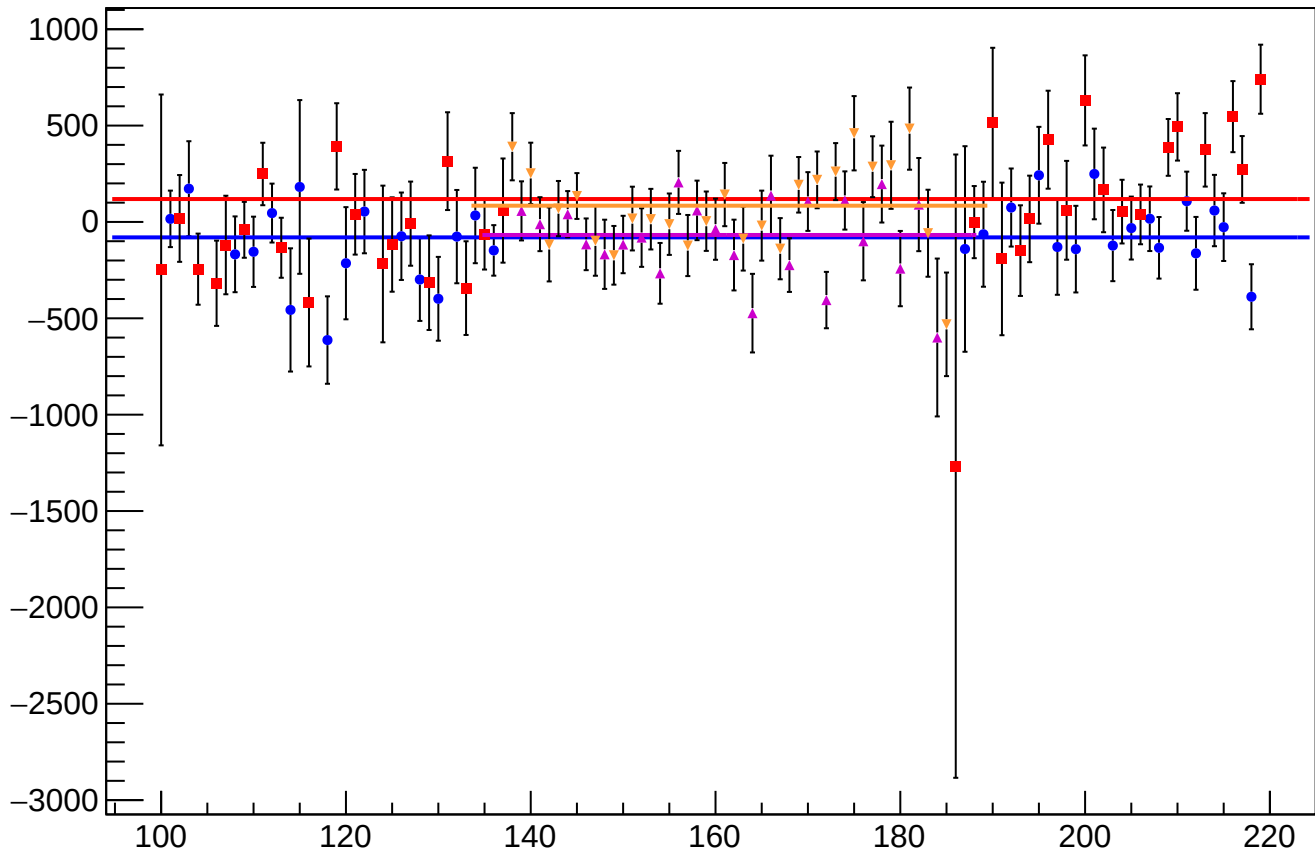
Left In: 1094.479 $\pm$ 0.183 χ^2 /NDF: 732975.7/22

+ sign 1257.688 $\pm$ 0.151 χ^2 /NDF: 9277150.6/56

All: 1258.443 $\pm$ 0.107 χ^2 /NDF: 20010891.1/100

- sign 1259.211 $\pm$ 0.152 χ^2 /NDF: 10733690.0/59

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -80.091 ± 35.286 χ^2/NDF : 24.6/31

Left Out: 84.338 ± 33.036 χ^2/NDF : 33.8/24

Right Out: 118.837 ± 34.723 χ^2/NDF : 67.1/36

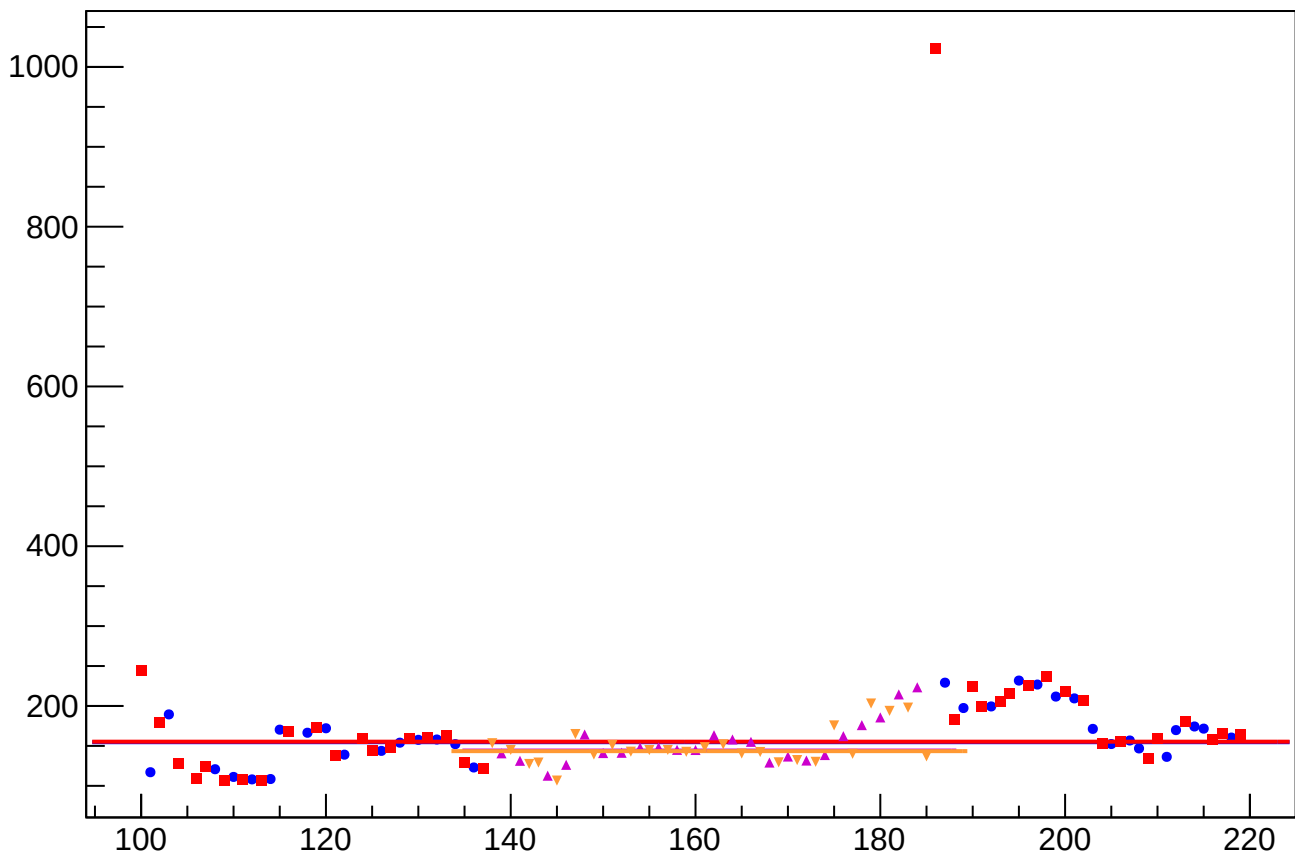
Left In: -67.648 ± 34.137 χ^2/NDF : 26.5/22

+ sign 7.533 ± 24.116 χ^2/NDF : 70.0/56

All: 15.693 ± 17.132 χ^2/NDF : 178.5/116

- sign 24.007 ± 24.343 χ^2/NDF : 108.3/59

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 154.625+/-0.025 χ^2/NDF : 1608174.5/31

Left Out: 143.444+/-0.023 χ^2/NDF : 747040.9/24

Right Out: 155.295+/-0.025 χ^2/NDF : 2536092.2/36

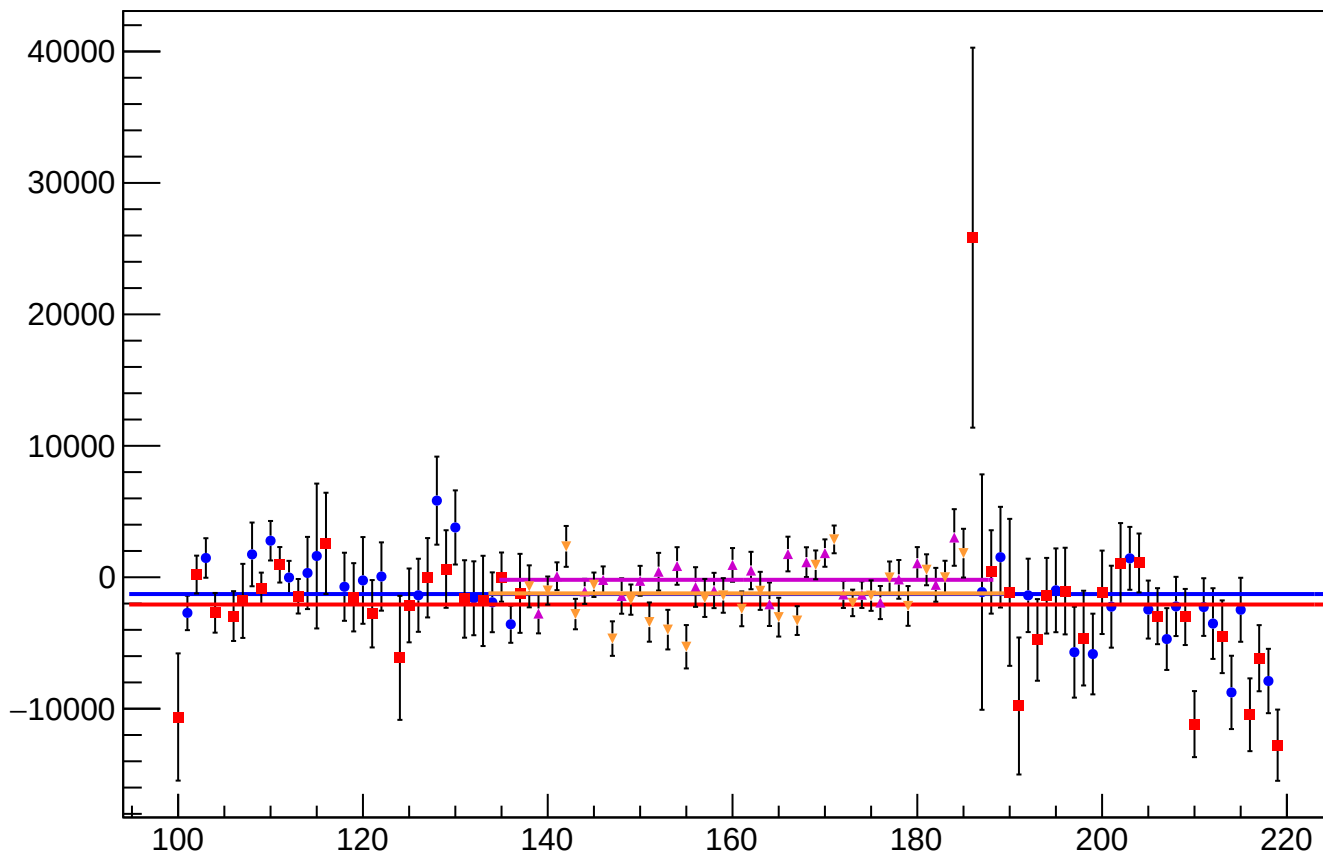
Left In: 144.170+/-0.024 χ^2/NDF : 702713.8/22

+ sign 148.666+/-0.017 χ^2/NDF : 2462234.7/56

All: 149.148+/-0.012 χ^2/NDF : 5807035.5/116

- sign 149.638+/-0.017 χ^2/NDF : 3343192.7/59

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -1277.356 $\pm$ 403.378 χ^2/NDF : 49.8/31

Left Out: -1225.031 $\pm$ 251.767 χ^2/NDF : 59.3/24

Right Out: -2073.038 $\pm$ 387.385 χ^2/NDF : 70.0/36

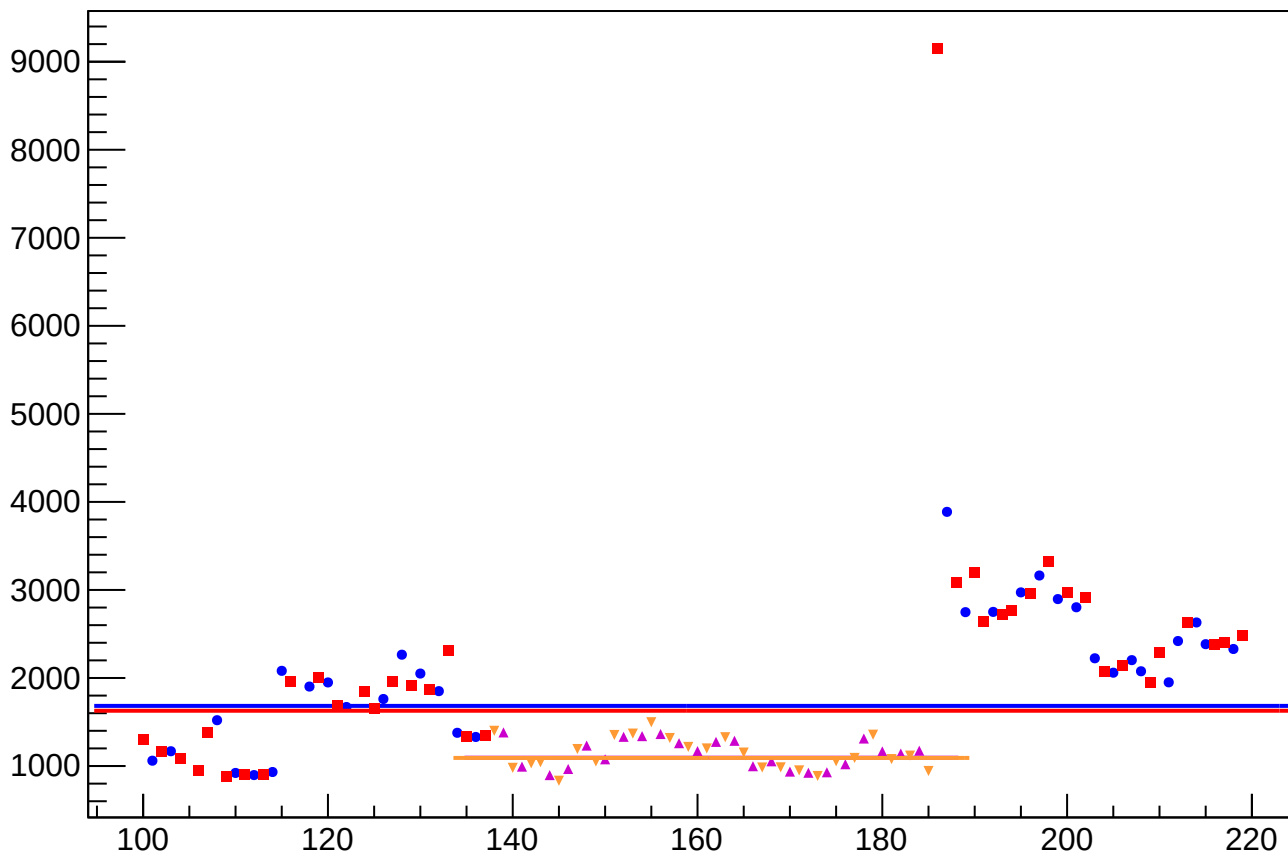
Left In: -193.808 $\pm$ 258.922 χ^2/NDF : 23.3/22

+ sign -1239.700 $\pm$ 213.580 χ^2/NDF : 109.1/56

All: -1008.727 $\pm$ 151.616 χ^2/NDF : 221.0/116

- sign -774.094 $\pm$ 215.265 χ^2/NDF : 109.5/59

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1683.062 $\pm$ 0.285 χ^2 /NDF: 5294245.6/31

Left Out: 1091.979 $\pm$ 0.178 χ^2 /NDF: 892441.9/24

Right Out: 1627.957 $\pm$ 0.274 χ^2 /NDF: 7378982.3/36

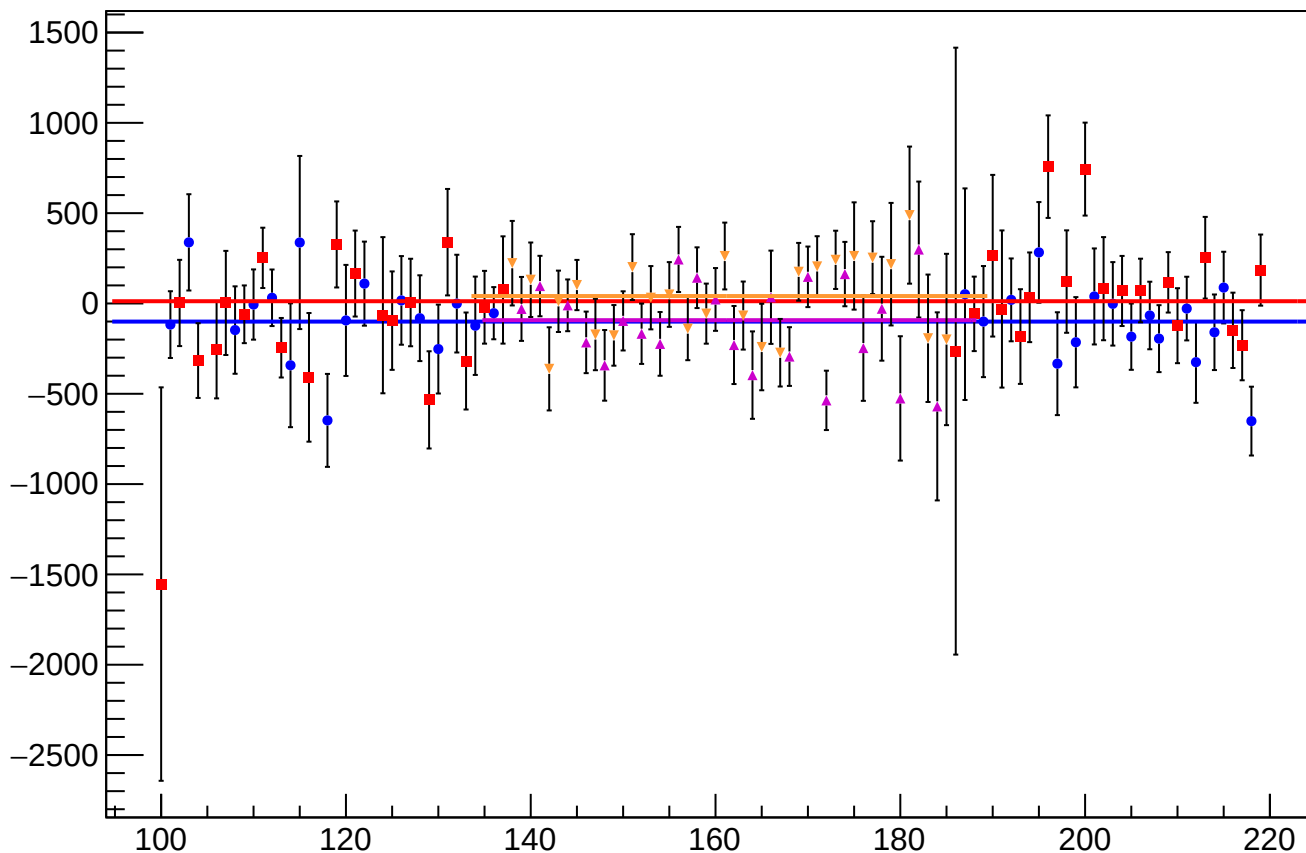
Left In: 1094.479 $\pm$ 0.183 χ^2 /NDF: 732975.7/22

+ sign 1257.688 $\pm$ 0.151 χ^2 /NDF: 9277150.6/56

All: 1258.443 $\pm$ 0.107 χ^2 /NDF: 20010891.1/100

- sign 1259.211 $\pm$ 0.152 χ^2 /NDF: 10733690.0/59

dit_asym_sam_48_avg_mean vs Slug



Right In: -100.319 ± 39.763 χ^2/NDF : 25.8/31

Left Out: 41.086 ± 39.177 χ^2/NDF : 22.3/24

Right Out: 12.456 ± 38.822 χ^2/NDF : 42.3/36

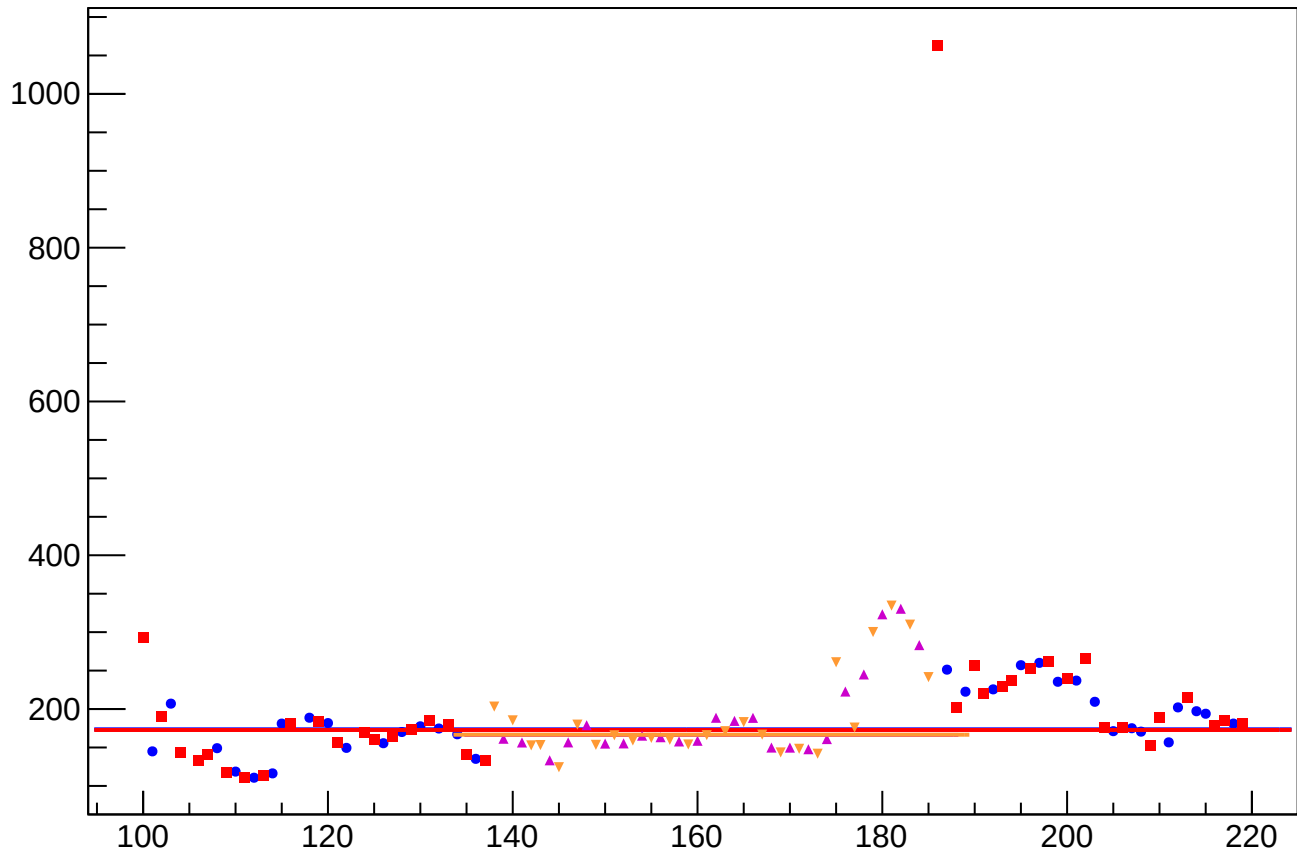
Left In: -92.556 ± 40.165 χ^2/NDF : 29.5/22

+ sign -28.566 ± 27.907 χ^2/NDF : 54.5/56

All: -33.414 ± 19.736 χ^2/NDF : 129.9/116

- sign -38.264 ± 27.914 χ^2/NDF : 75.3/59

dit_asym_sam_48_avg_rms vs Slug



Right In: 173.590 $\pm$ 0.028 χ^2 /NDF: 1760916.6/31

Left Out: 166.599 $\pm$ 0.028 χ^2 /NDF:1719835.6/24

Right Out: 172.777 $\pm$ 0.027 χ^2 /NDF: 2772327.1/36

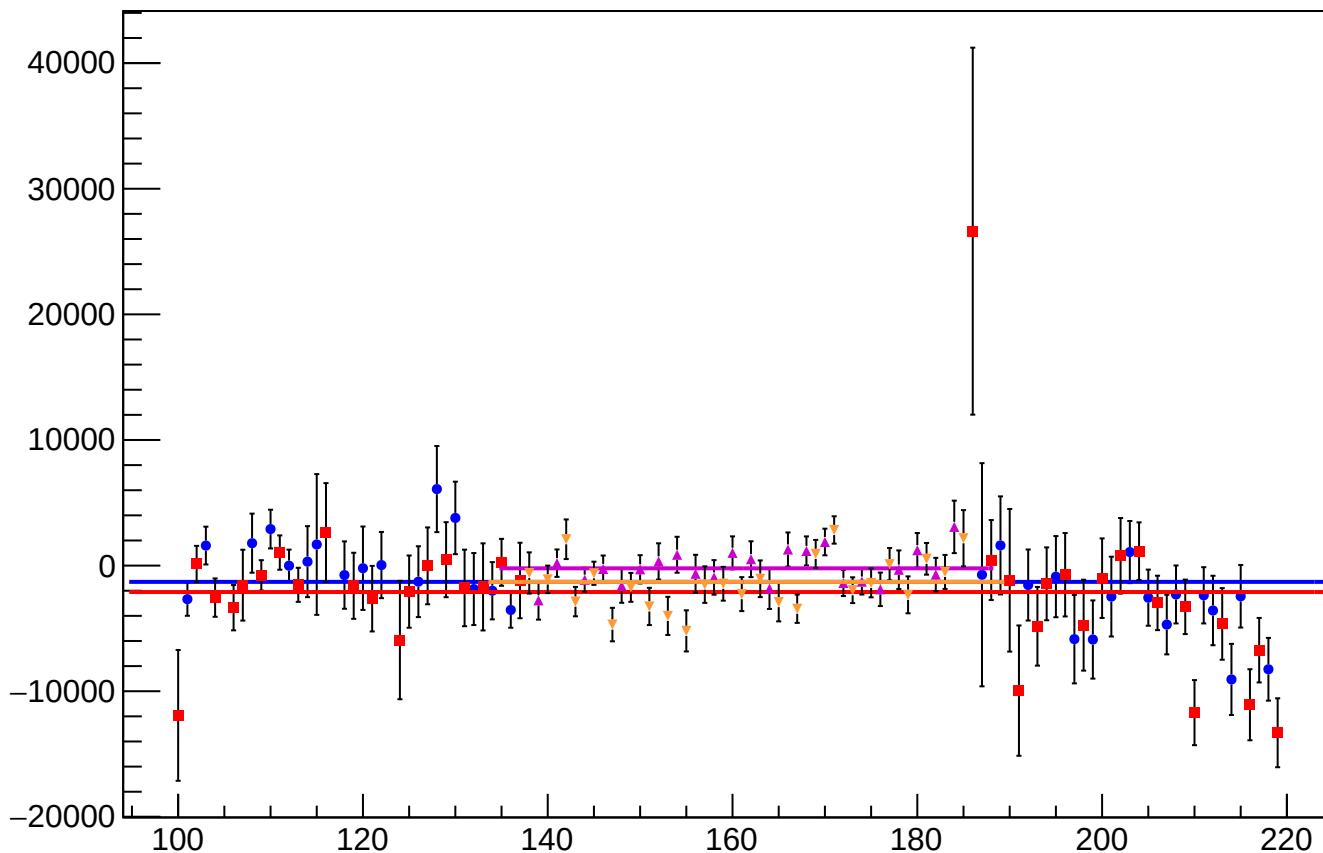
Left In: 166.308 $\pm$ 0.028 χ^2 /NDF:1392466.3/22

+ sign 170.042 $\pm$ 0.020 χ^2 /NDF: 3512122.5/56

All: 169.847 $\pm$ 0.014 χ^2 /NDF: 7703931.4/116

- sign 169.653 $\pm$ 0.020 χ^2 /NDF: 4191614.1/59

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -1294.385 $\pm$ 408.557 χ^2 /NDF: 50.8/31

Left Out: -1298.333 $\pm$ 256.961 χ^2 /NDF: 55.1/24

Right Out: -2102.488 $\pm$ 391.014 χ^2 /NDF: 74.7/36

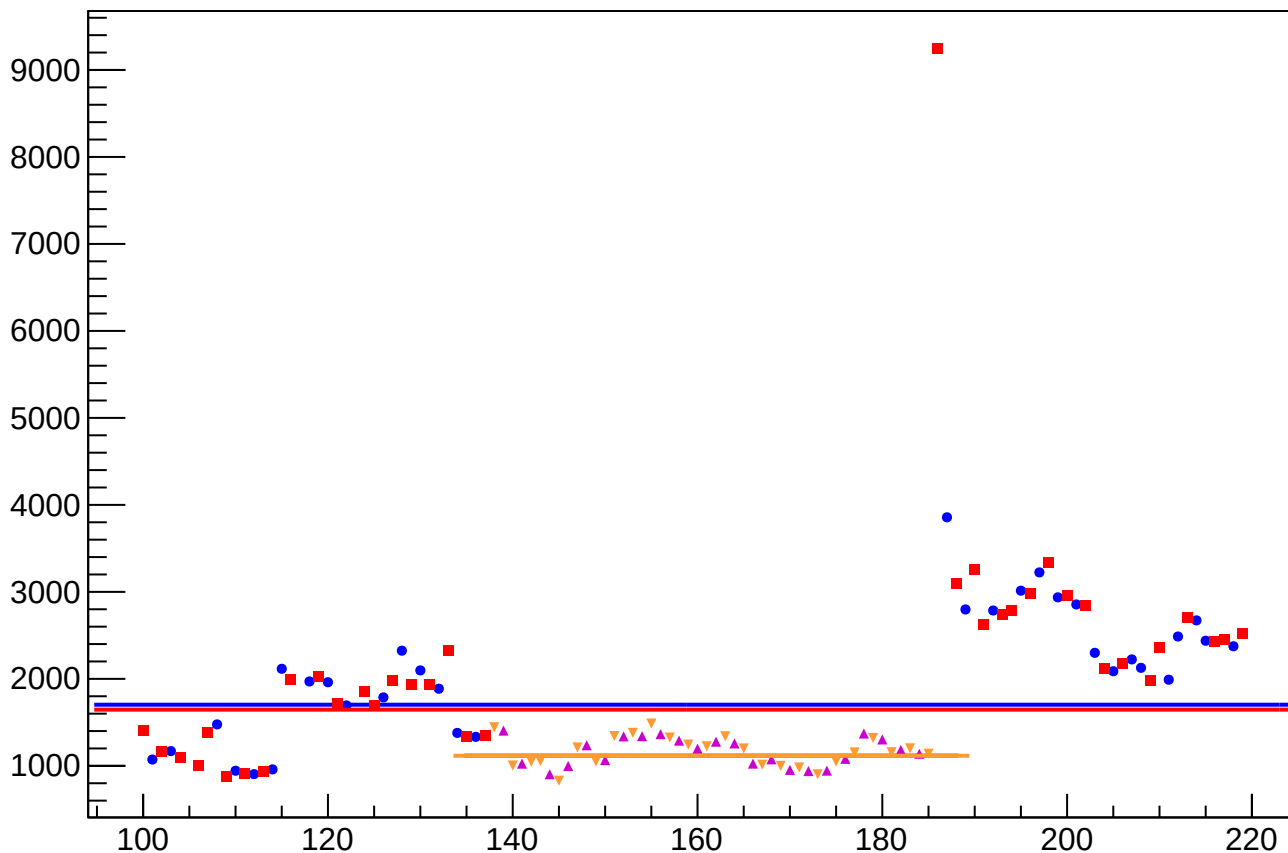
Left In: -217.285 $\pm$ 264.388 χ^2 /NDF: 22.2/22

+ sign -1297.214 $\pm$ 217.516 χ^2 /NDF: 105.9/56

All: -1054.672 $\pm$ 154.336 χ^2 /NDF: 221.3/116

- sign -808.765 $\pm$ 219.020 χ^2 /NDF: 112.9/59

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1702.785 $\pm$ 0.289 χ^2 /NDF: 5395151.4/31

Left Out: 1116.034 $\pm$ 0.182 χ^2 /NDF: 867489.3/24

Right Out: 1646.075 $\pm$ 0.276 χ^2 /NDF: 7382094.9/36

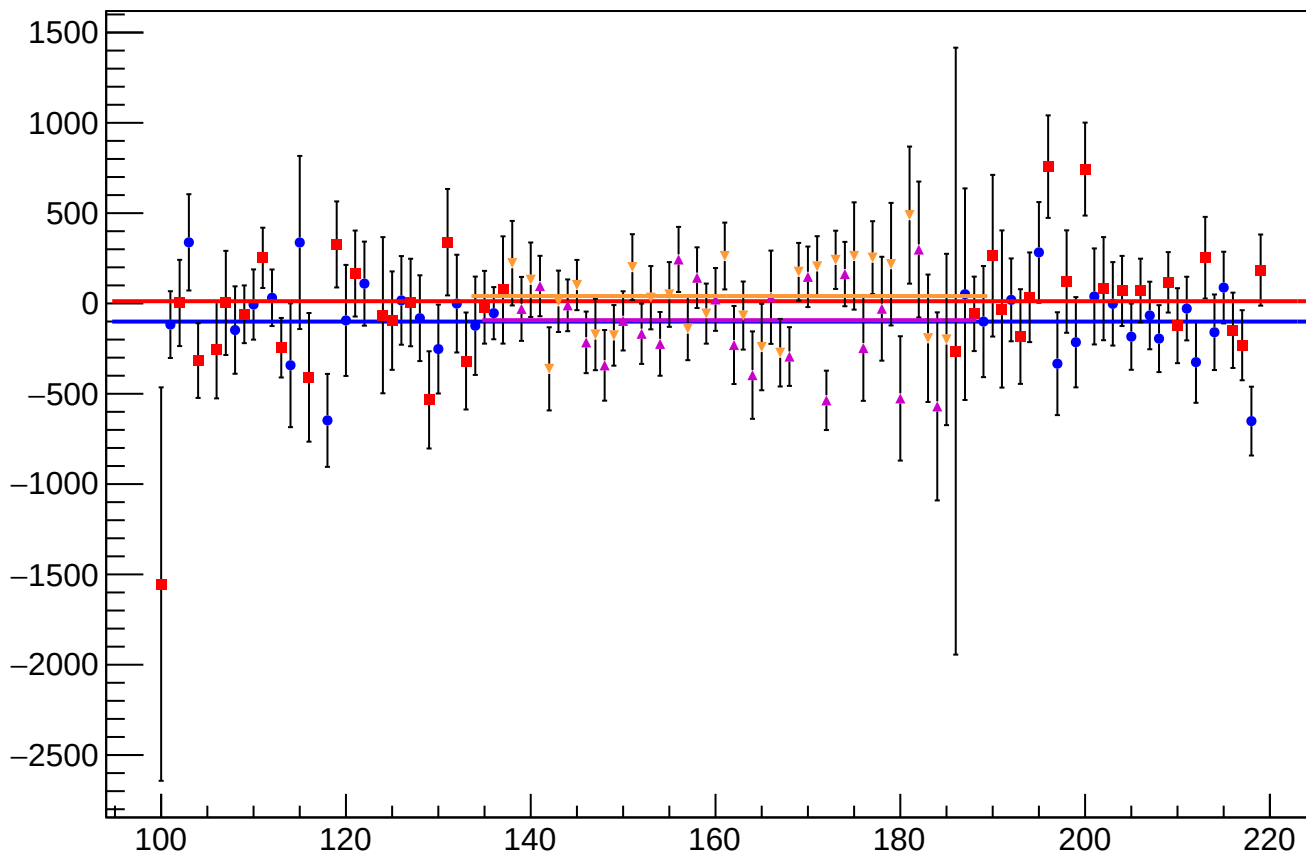
Left In: 1117.831 $\pm$ 0.187 χ^2 /NDF: 729387.1/22

+ sign 1282.348 $\pm$ 0.154 χ^2 /NDF: 9218469.4/56

All: 1282.953 $\pm$ 0.109 χ^2 /NDF: 19834917.8/100

- sign 1283.567 $\pm$ 0.155 χ^2 /NDF: 10616417.2/59

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -100.314 ± 39.763 χ^2/NDF : 25.8/31

Left Out: 41.088 ± 39.177 χ^2/NDF : 22.3/24

Right Out: 12.460 ± 38.822 χ^2/NDF : 42.3/36

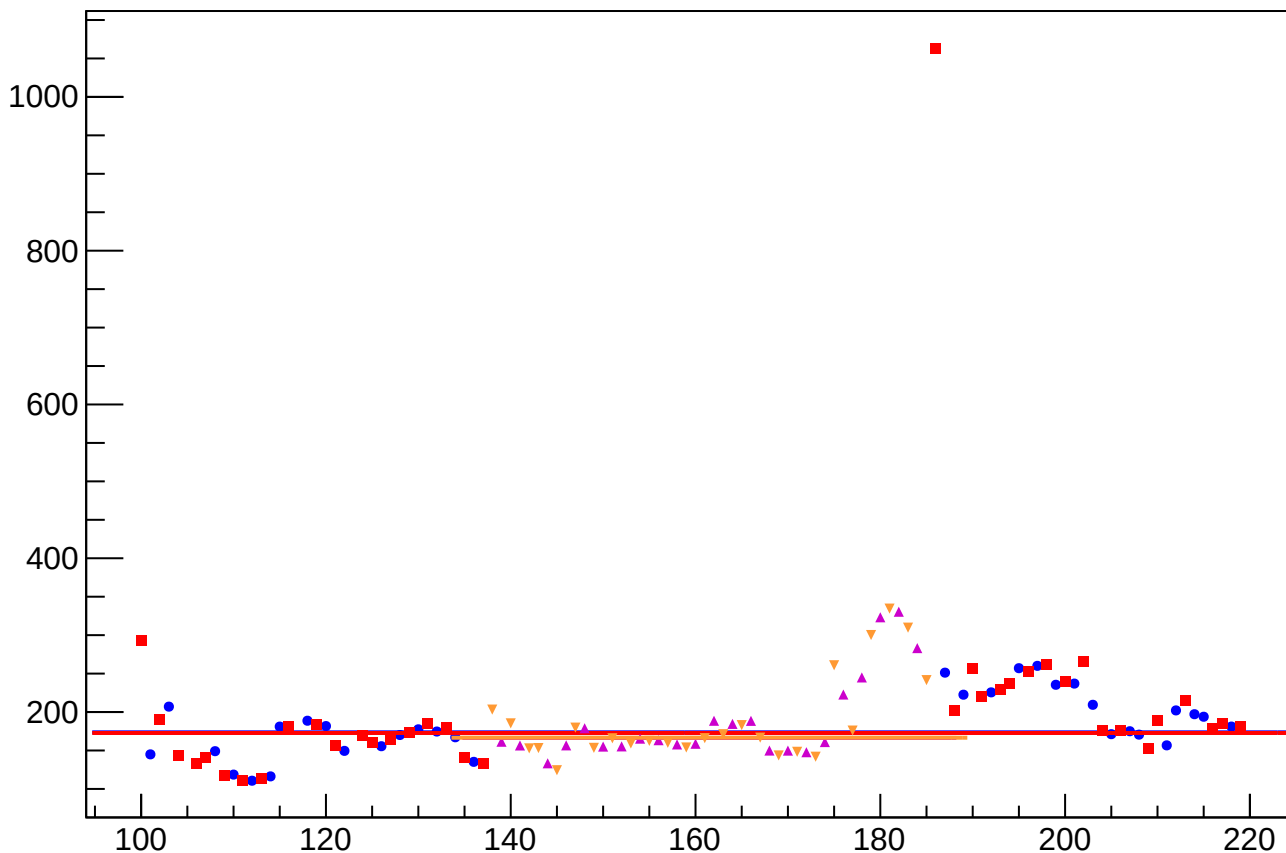
Left In: -92.556 ± 40.165 χ^2/NDF : 29.5/22

+ sign -28.563 ± 27.907 χ^2/NDF : 54.5/56

All: -33.411 ± 19.736 χ^2/NDF : 129.9/116

- sign -38.262 ± 27.914 χ^2/NDF : 75.3/59

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 173.589 $\pm$ 0.028 χ^2 /NDF: 1760896.9/31

Left Out: 166.599 $\pm$ 0.028 χ^2 /NDF:1719829.4/24

Right Out: 172.777 $\pm$ 0.027 χ^2 /NDF: 2772328.2/36

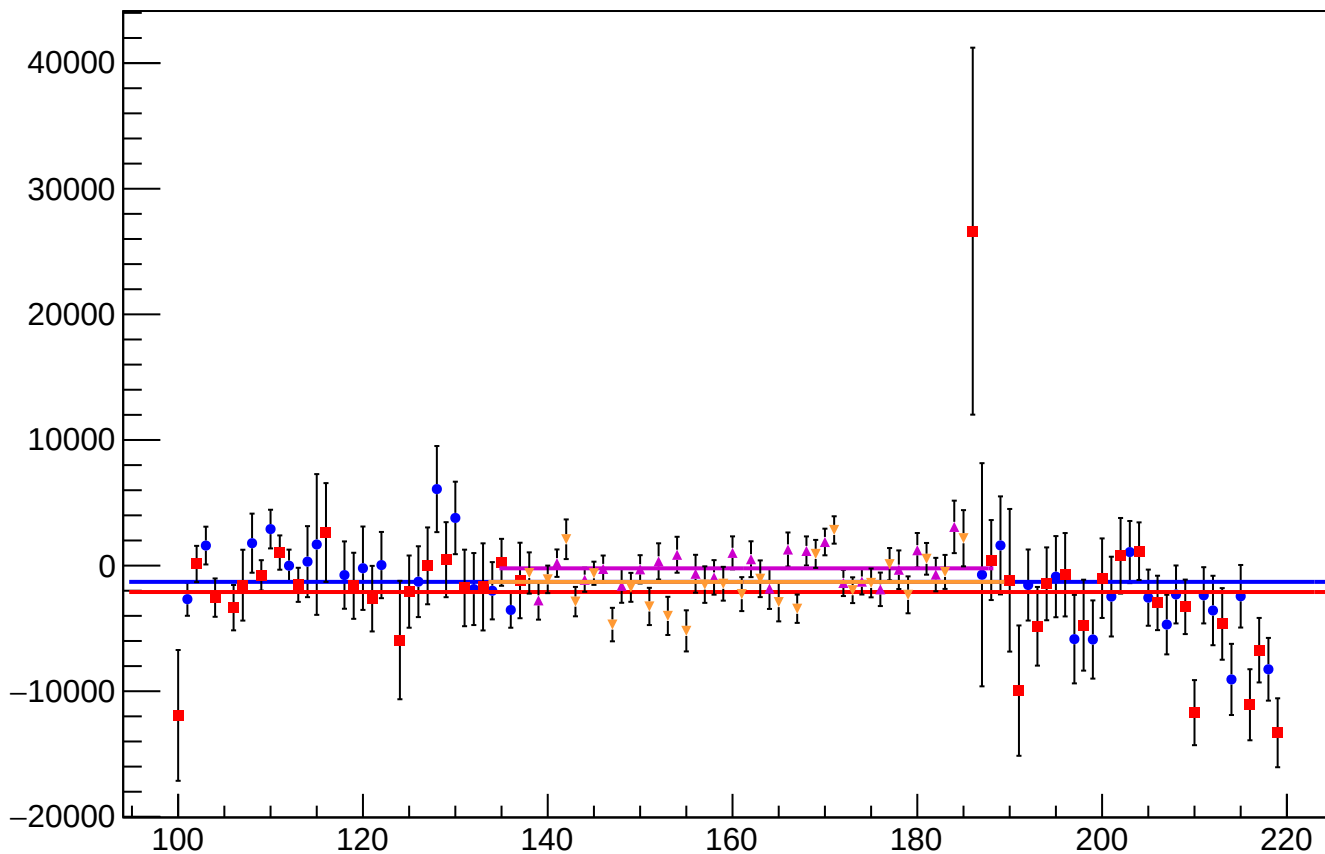
Left In: 166.308 $\pm$ 0.028 χ^2 /NDF:1392446.1/22

+ sign 170.042 $\pm$ 0.020 χ^2 /NDF: 3512093.3/56

All: 169.847 $\pm$ 0.014 χ^2 /NDF: 7703880.2/116

- sign 169.653 $\pm$ 0.020 χ^2 /NDF: 4191592.2/59

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -1294.383 ± 408.557 χ^2/NDF : 50.8/31

Left Out: -1298.330 ± 256.961 χ^2/NDF : 55.1/24

Right Out: -2102.485 ± 391.014 χ^2/NDF : 74.7/36

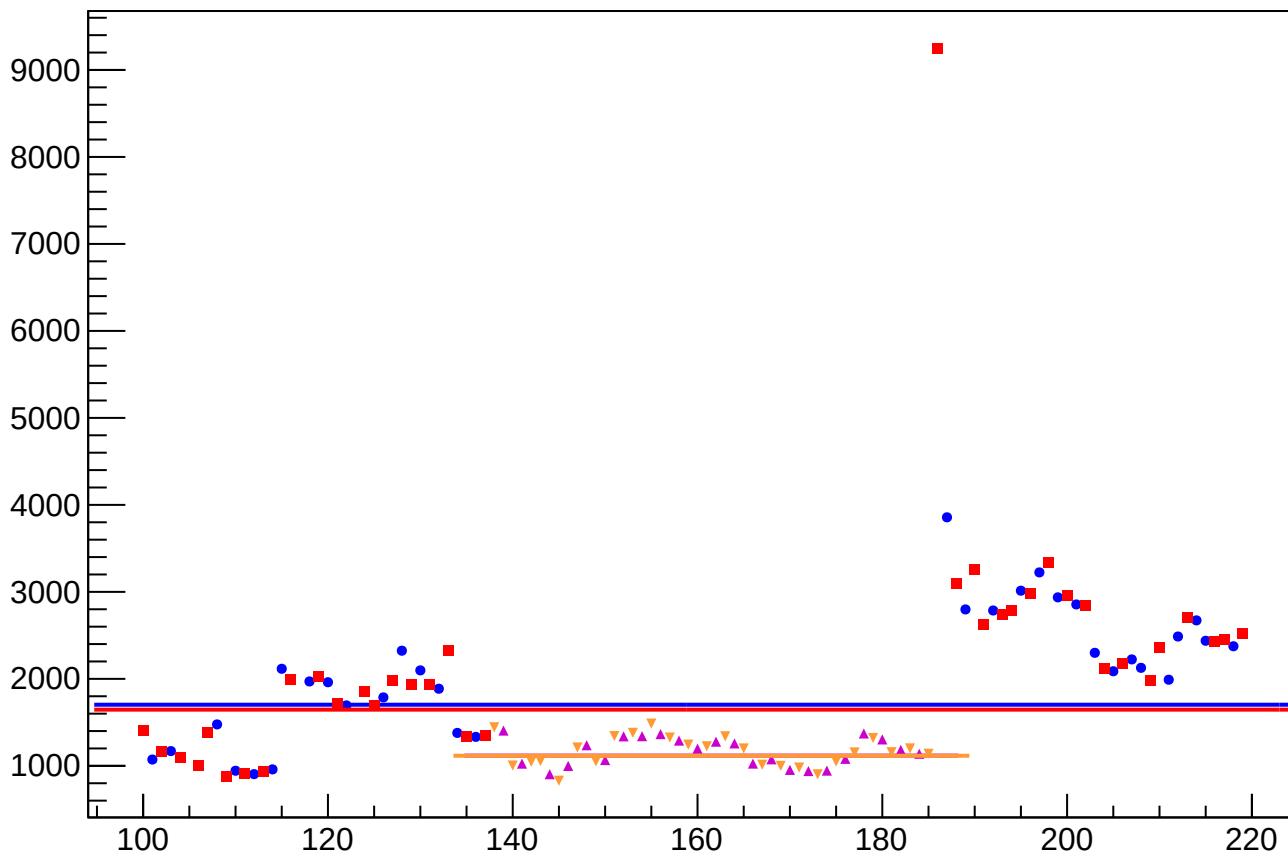
Left In: -217.283 ± 264.388 χ^2/NDF : 22.2/22

+ sign -1297.211 ± 217.516 χ^2/NDF : 105.9/56

All: -1054.670 ± 154.336 χ^2/NDF : 221.3/116

- sign -808.762 ± 219.019 χ^2/NDF : 112.9/59

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1702.783+/-0.289 χ^2/NDF : 5395153.2/31

Left Out: 1116.032+/-0.182 χ^2/NDF : 867491.2/24

Right Out: 1646.073+/-0.276 χ^2/NDF : 7382094.6/36

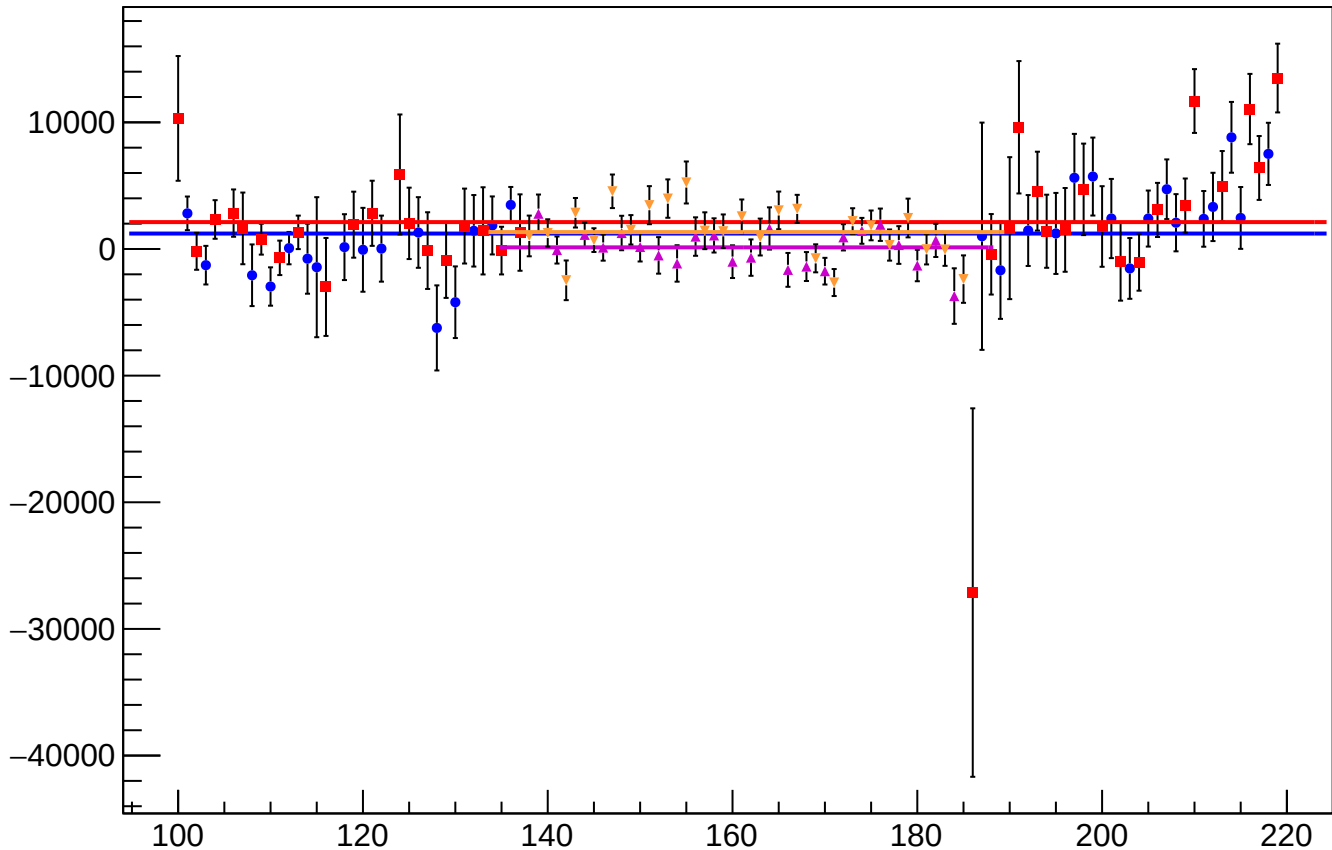
Left In: 1117.829+/-0.187 χ^2/NDF : 729386.0/22

+ sign 1282.346+/-0.154 χ^2/NDF : 9218482.6/56

All: 1282.951+/-0.109 χ^2/NDF : 19834938.1/100

- sign 1283.565+/-0.155 χ^2/NDF : 10616424.3/59

asym_sam_48_avg_mean vs Slug



Right In: 1219.176 $\pm$ 405.693 χ^2 /NDF: 50.4/31

Left Out: 1334.704 $\pm$ 254.187 χ^2 /NDF: 55.7/24

Right Out: 2123.015 $\pm$ 389.216 χ^2 /NDF: 74.8/36

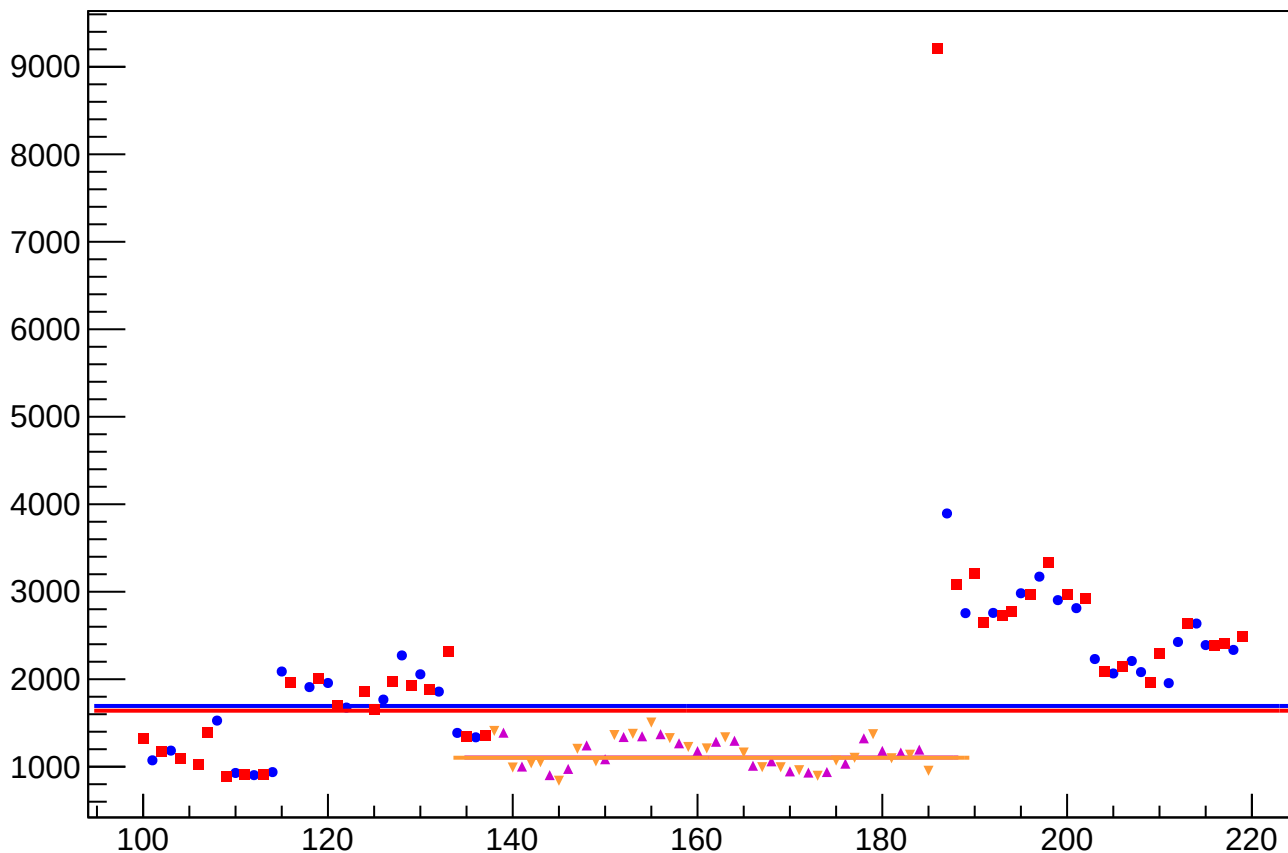
Left In: 128.368 $\pm$ 261.415 χ^2 /NDF: 24.0/22

+ sign 1302.136 $\pm$ 215.400 χ^2 /NDF: 106.1/56

All: 1027.354 $\pm$ 152.877 χ^2 /NDF: 226.3/116

- sign 748.447 $\pm$ 217.011 χ^2 /NDF: 116.9/59

asym_sam_48_avg_rms vs Slug



Right In: 1694.427+/-0.287 χ^2/NDF : 5223708.9/31

Left Out: 1102.700+/-0.180 χ^2/NDF : 880468.6/24

Right Out: 1640.362+/-0.275 χ^2/NDF : 7270447.8/36

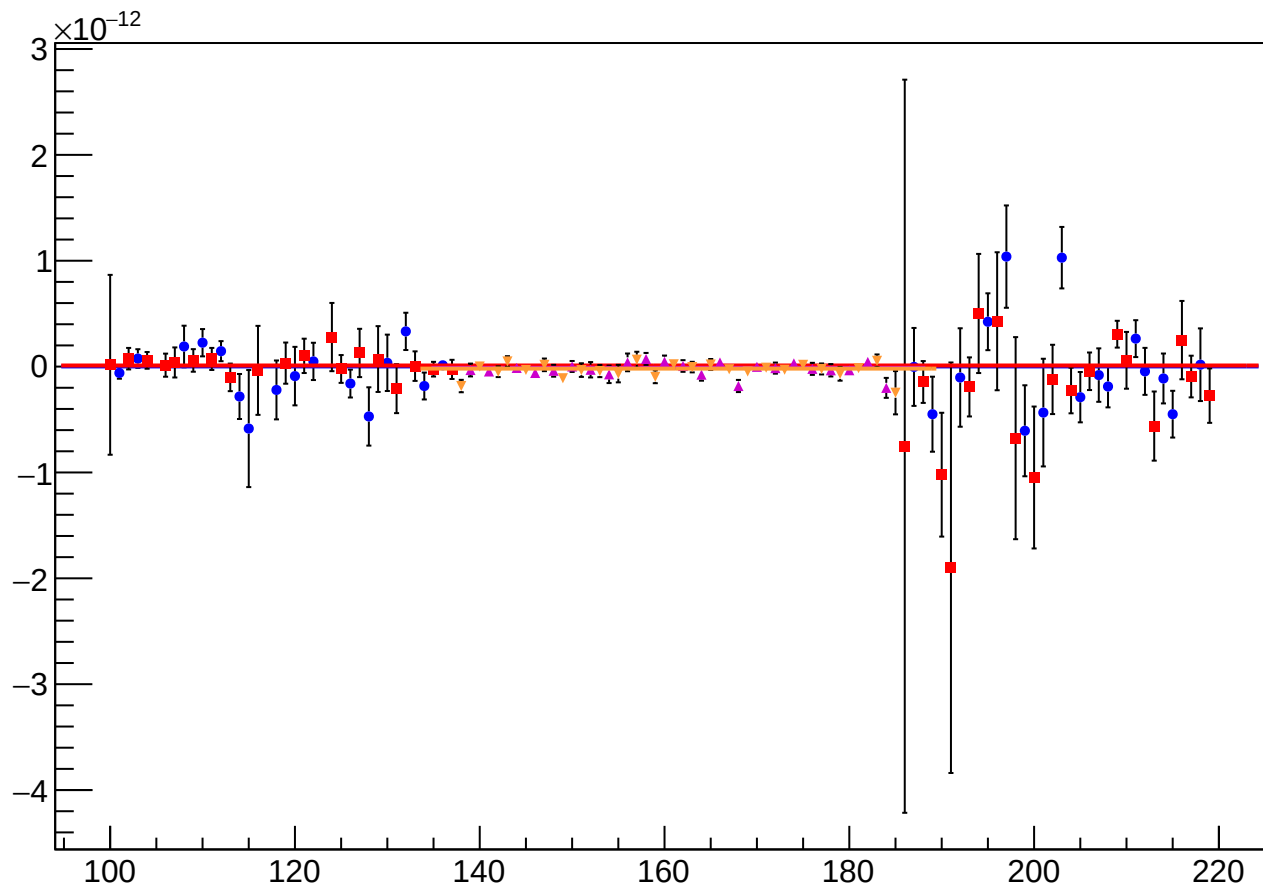
Left In: 1105.200+/-0.185 χ^2/NDF : 723304.5/22

+ sign 1269.508+/-0.152 χ^2/NDF : 9159533.9/56

All: 1270.530+/-0.108 χ^2/NDF : 19759052.3/100

- sign 1271.567+/-0.153 χ^2/NDF : 10599427.7/59

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 55.4/31

Left Out: -0.000+/-0.000 χ^2/NDF : 26.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 26.2/36

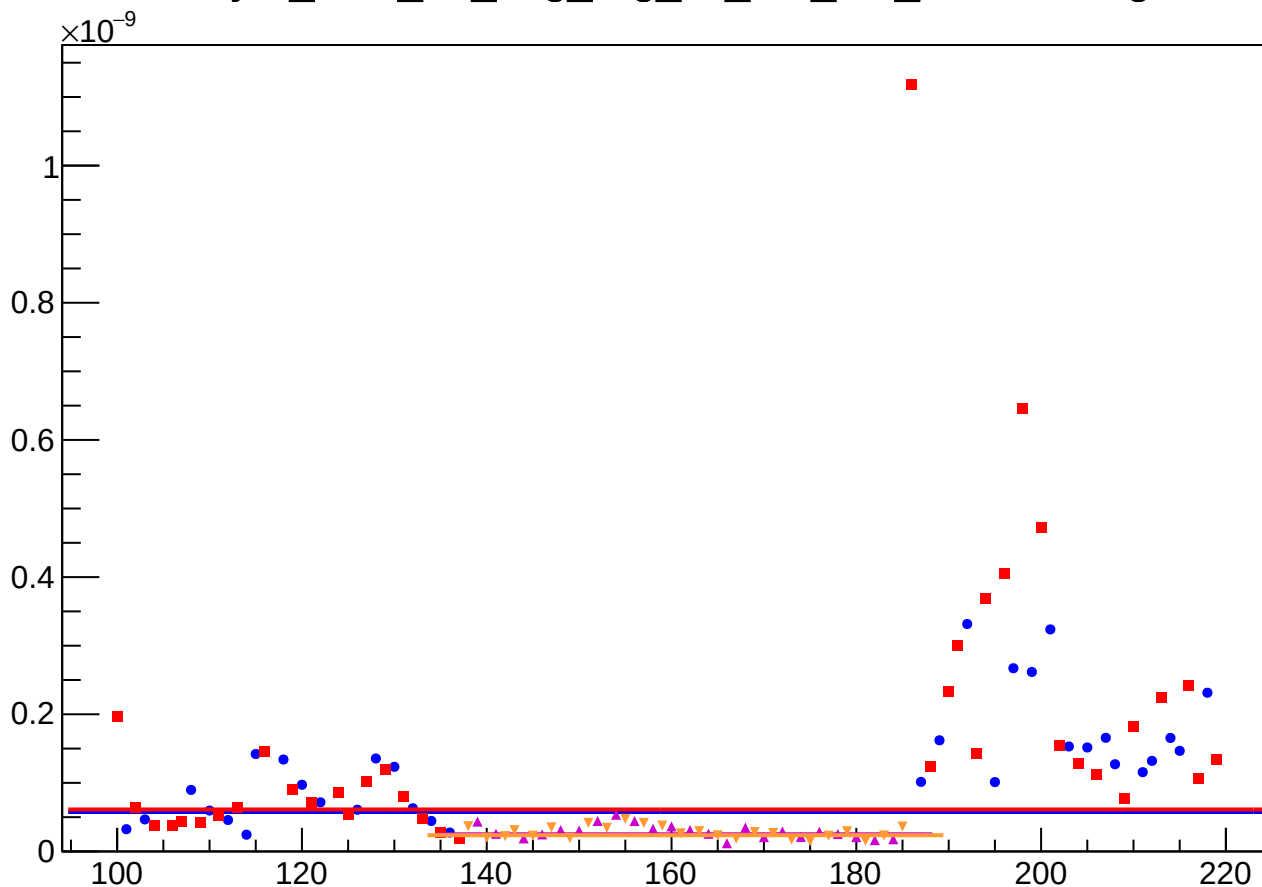
Left In: -0.000+/-0.000 χ^2/NDF : 27.1/22

+ sign -0.000+/-0.000 χ^2/NDF : 82.5/56

All: -0.000+/-0.000 χ^2/NDF : 136.8/116

- sign -0.000+/-0.000 χ^2/NDF : 54.0/59

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7156356.4/31

Left Out: 0.000+/-0.000 χ^2/NDF :1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7288118.7/36

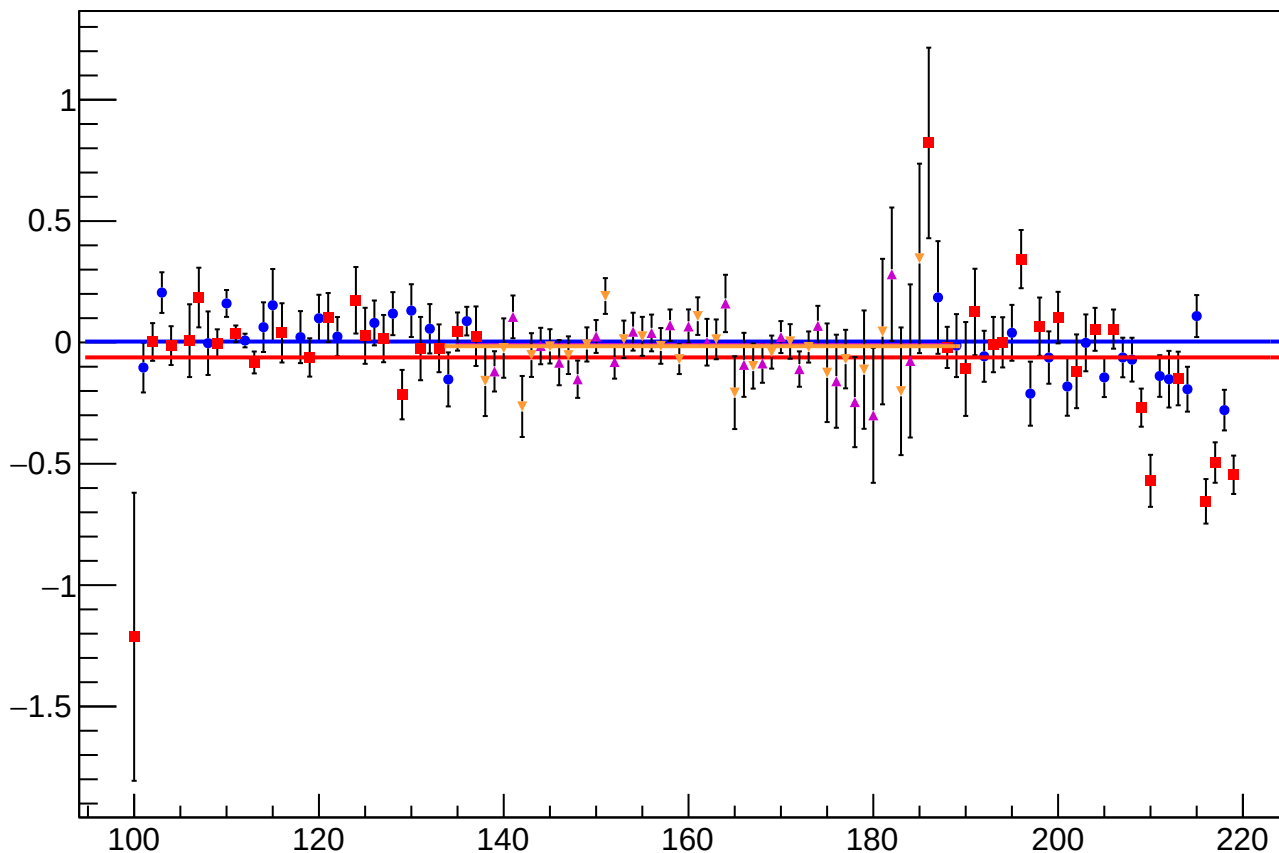
Left In: 0.000+/-0.000 χ^2/NDF :1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 11837039.2/56

All: 0.000+/-0.000 χ^2/NDF : 24017322.4/116

- sign 0.000+/-0.000 χ^2/NDF : 12131765.5/59

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.015 χ^2/NDF : 58.4/31

Left Out: -0.016 ± 0.018 χ^2/NDF : 21.6/24

Right Out: -0.062 ± 0.014 χ^2/NDF : 192.8/36

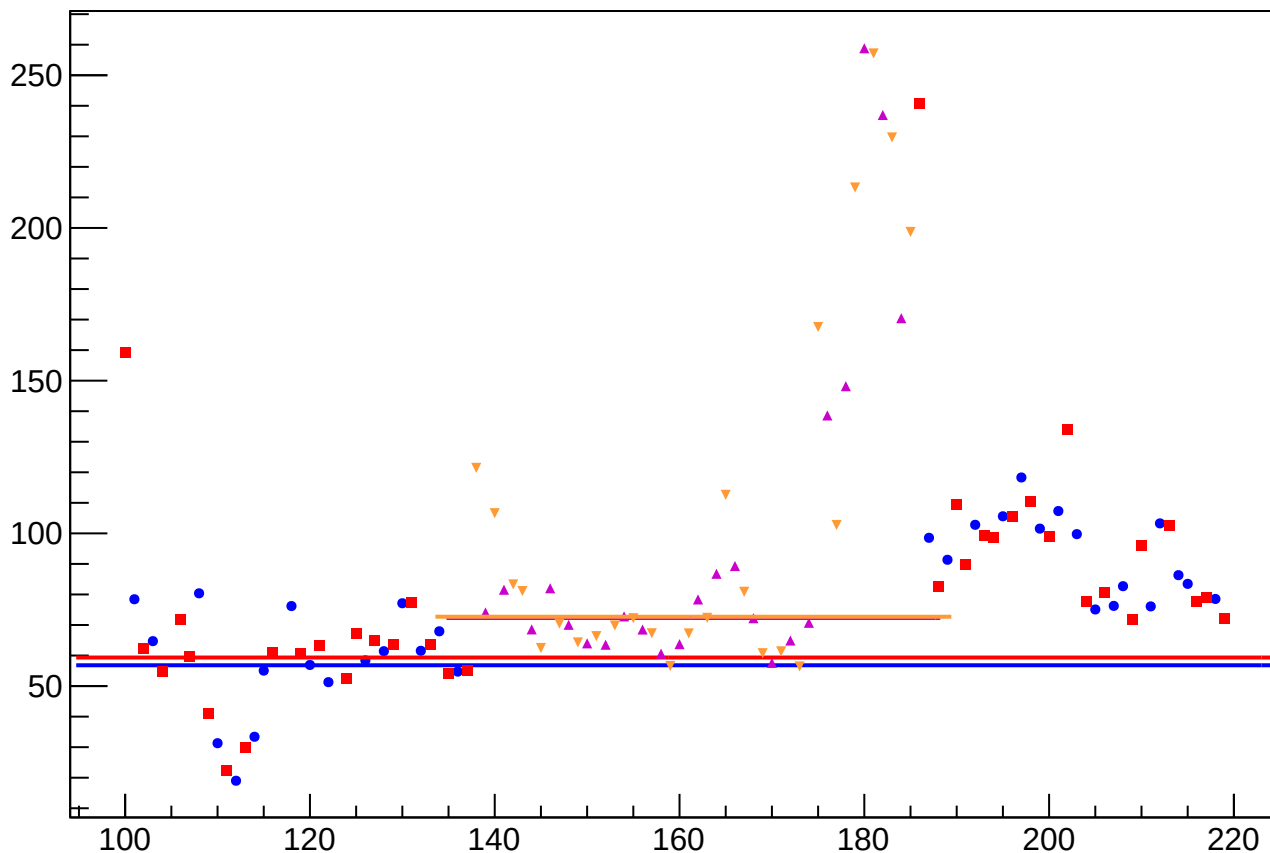
Left In: -0.011 ± 0.018 χ^2/NDF : 23.3/22

+ sign -0.004 ± 0.011 χ^2/NDF : 80.7/56

All: -0.023 ± 0.008 χ^2/NDF : 307.2/116

- sign -0.042 ± 0.011 χ^2/NDF : 220.8/59

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 56.816 $\pm$ 0.010 χ^2 /NDF: 8158905.2/31

Left Out: 72.715 $\pm$ 0.013 χ^2 /NDF: 3961158.6/24

Right Out: 59.350 $\pm$ 0.010 χ^2 /NDF: 7331795.6/36

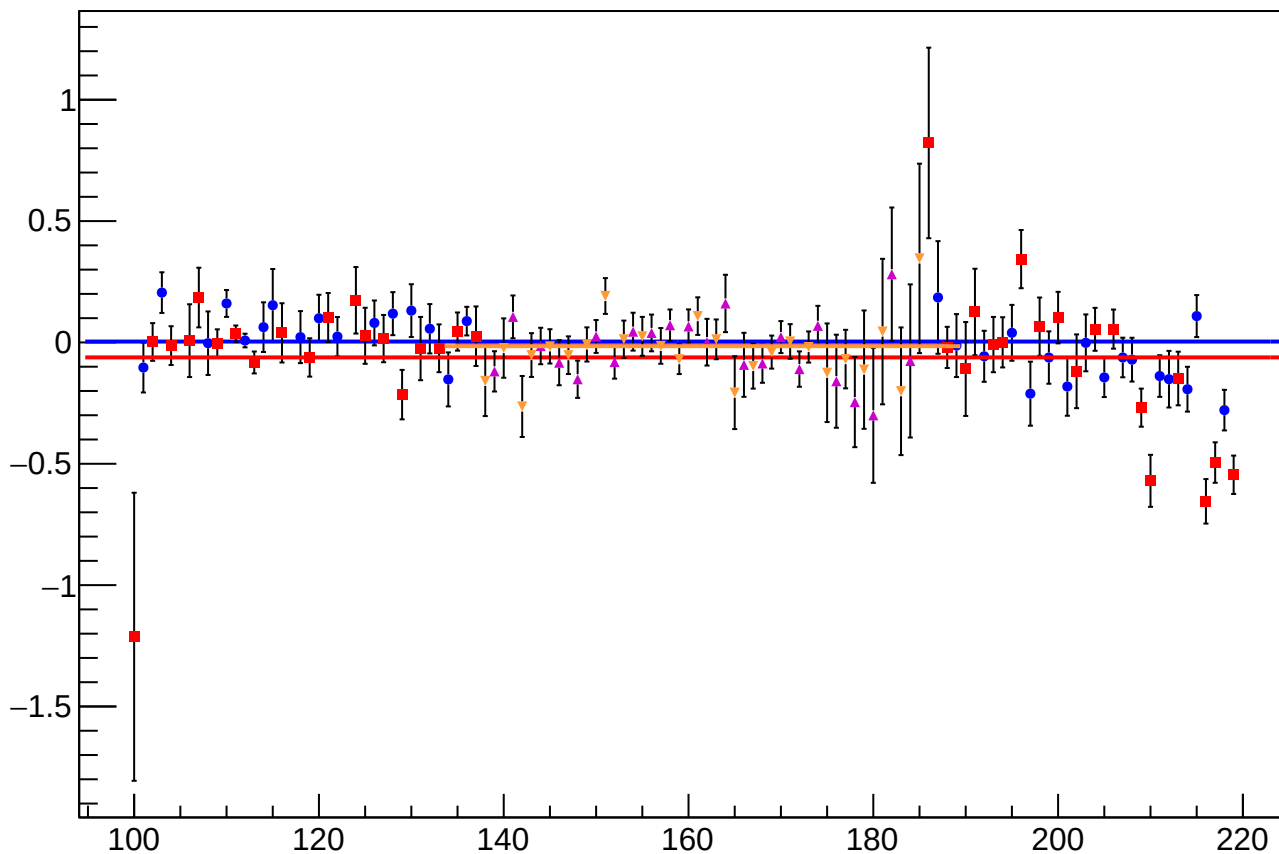
Left In: 72.298 $\pm$ 0.013 χ^2 /NDF: 2790214.3/22

+ sign 63.115 $\pm$ 0.008 χ^2 /NDF: 13066308.7/56

All: 63.724 $\pm$ 0.006 χ^2 /NDF: 23818650.1/116

- sign 64.336 $\pm$ 0.008 χ^2 /NDF: 10740711.3/59

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.015 χ^2/NDF : 58.4/31

Left Out: -0.016 ± 0.018 χ^2/NDF : 21.6/24

Right Out: -0.062 ± 0.014 χ^2/NDF : 192.8/36

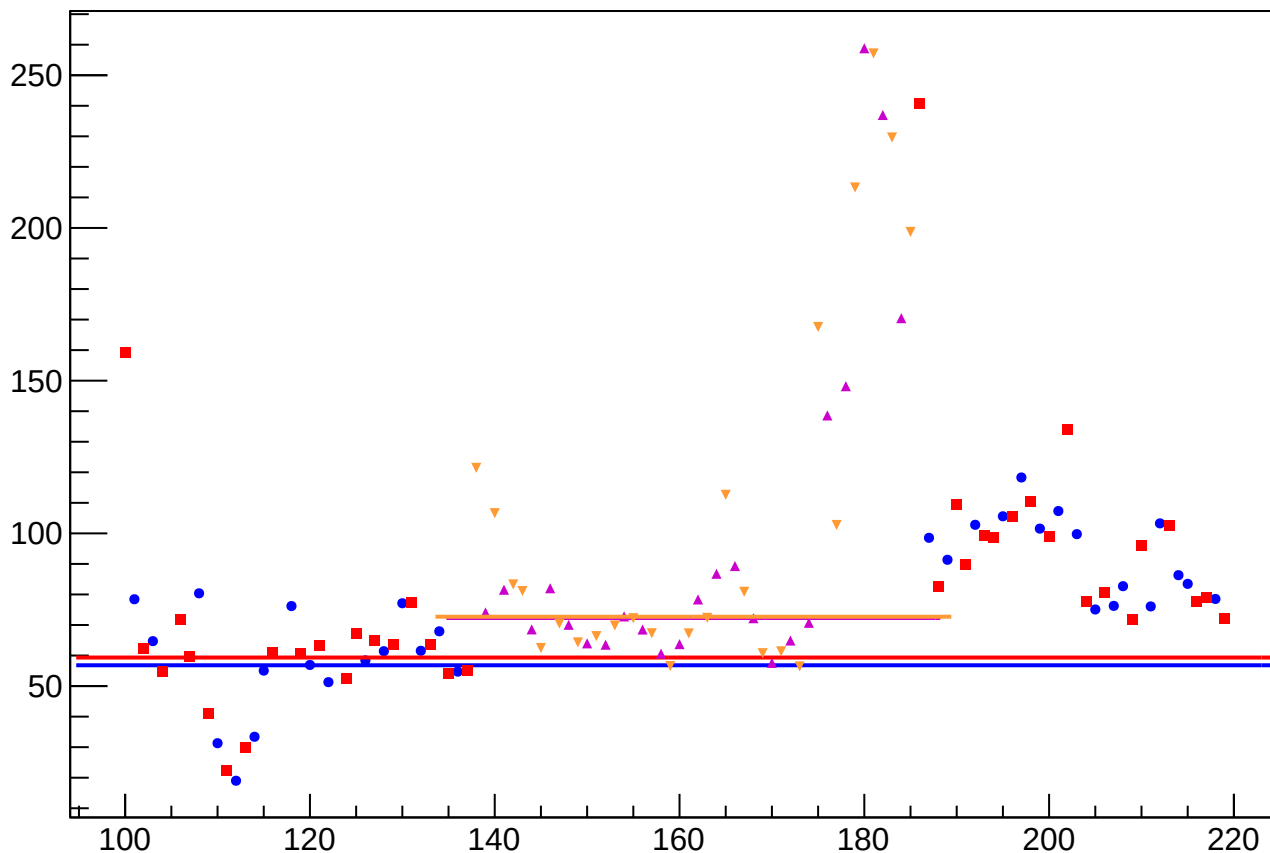
Left In: -0.011 ± 0.018 χ^2/NDF : 23.3/22

+ sign -0.004 ± 0.011 χ^2/NDF : 80.7/56

All: -0.023 ± 0.008 χ^2/NDF : 307.2/116

- sign -0.042 ± 0.011 χ^2/NDF : 220.8/59

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 56.816 $\pm$ 0.010 χ^2 /NDF: 8158905.2/31

Left Out: 72.715 $\pm$ 0.013 χ^2 /NDF: 3961158.6/24

Right Out: 59.350 $\pm$ 0.010 χ^2 /NDF: 7331795.6/36

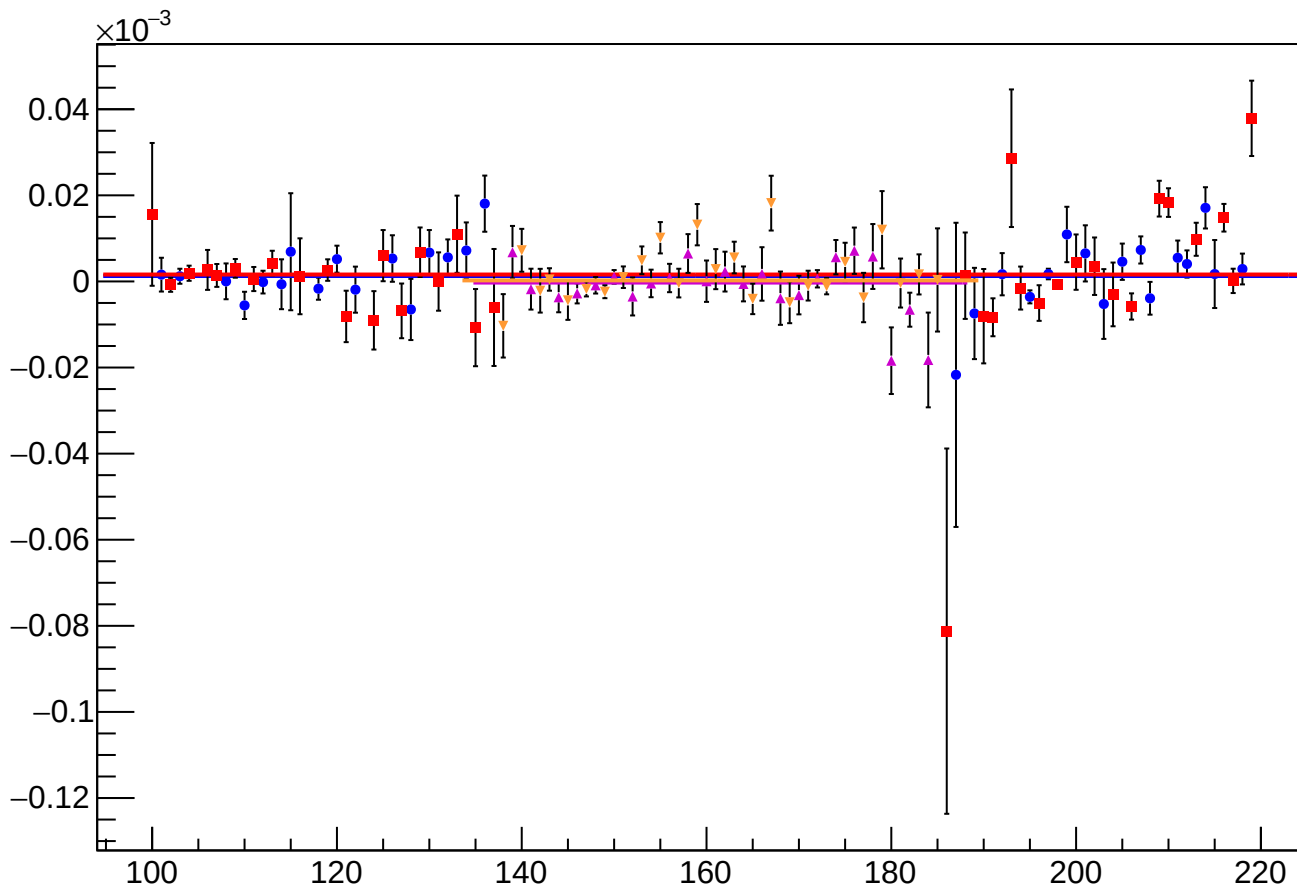
Left In: 72.298 $\pm$ 0.013 χ^2 /NDF: 2790214.3/22

+ sign 63.115 $\pm$ 0.008 χ^2 /NDF: 13066308.7/56

All: 63.724 $\pm$ 0.006 χ^2 /NDF: 23818650.1/116

- sign 64.336 $\pm$ 0.008 χ^2 /NDF: 10740711.3/59

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 54.1/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 125.4/36

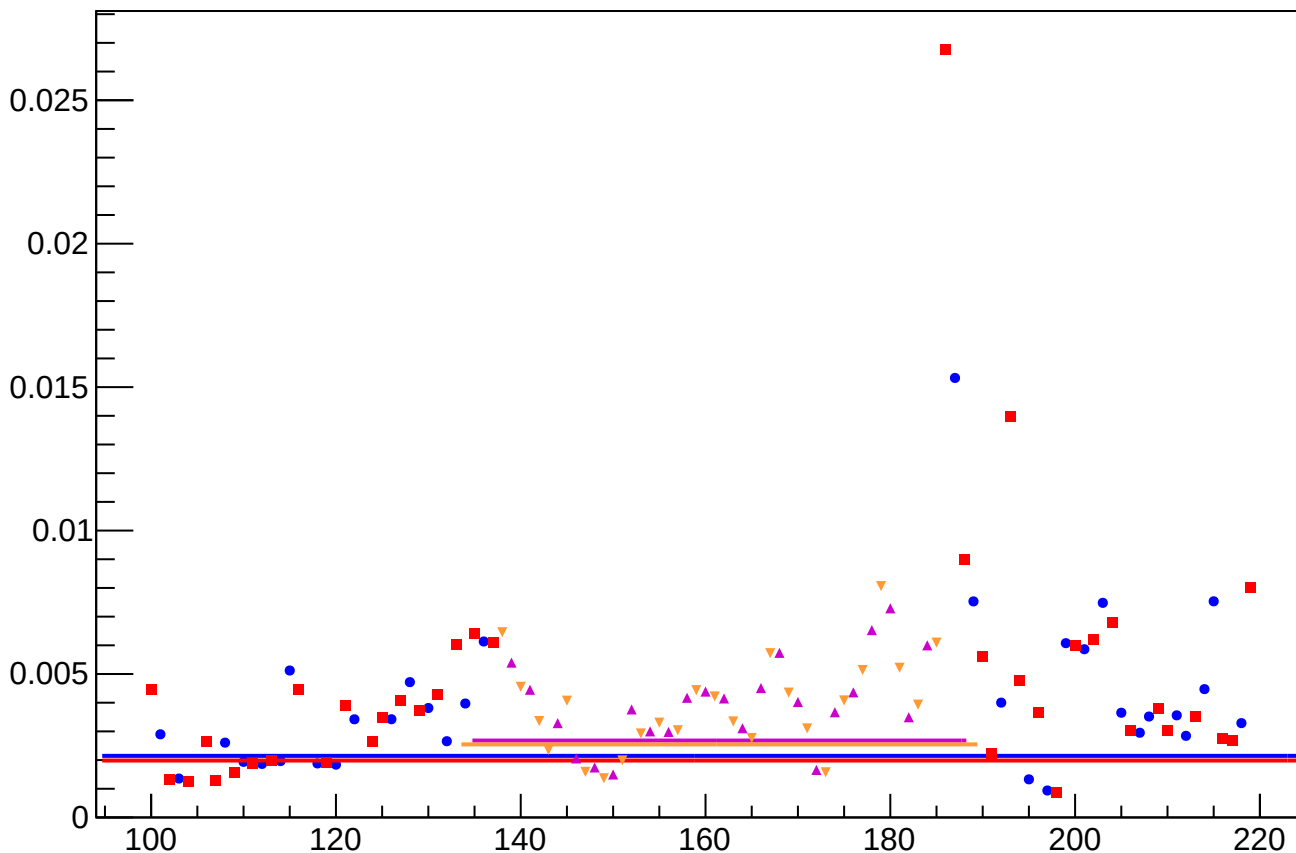
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 98.8/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 252.7/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 153.9/59

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 10742423.8/31

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 7499900.9/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 14339868.5/36

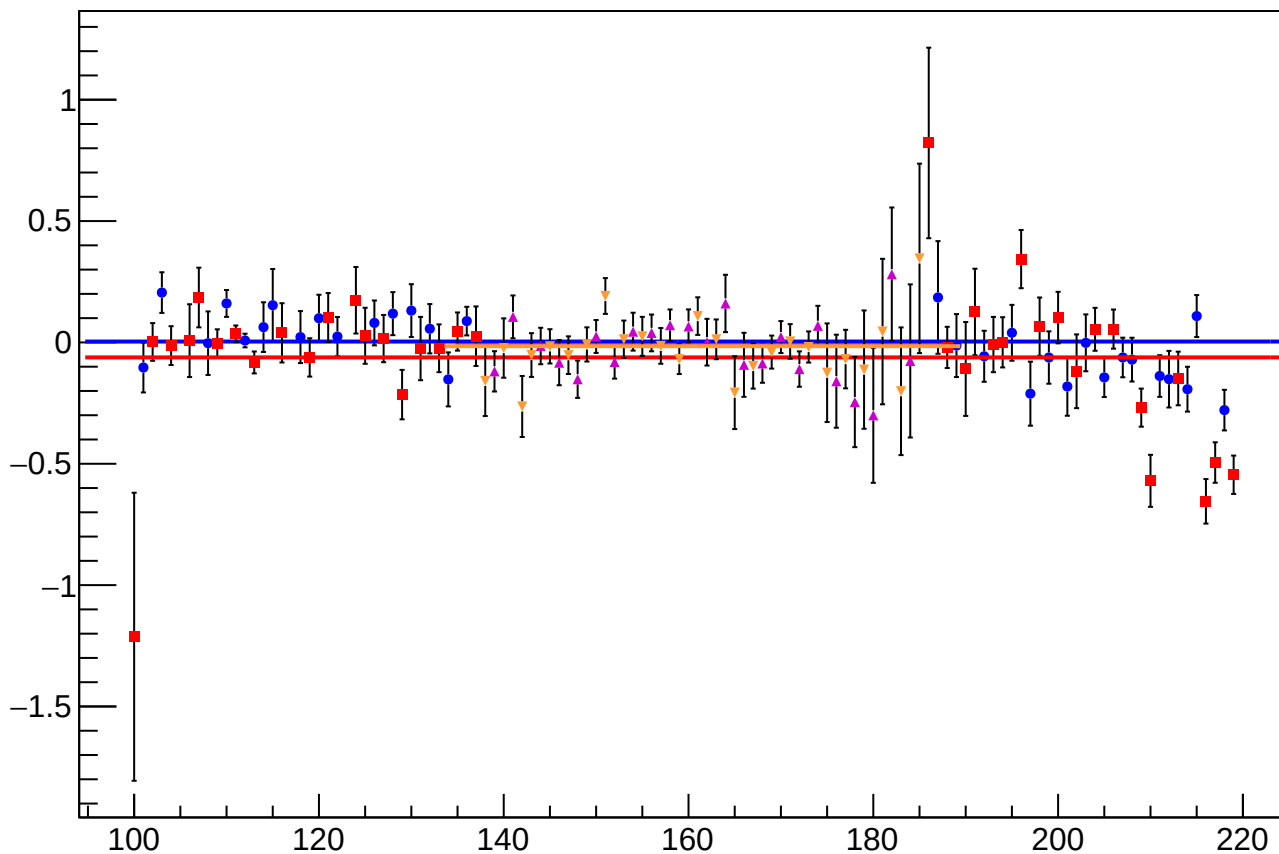
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 6504235.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 18659352.3/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 40777120.8/116

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 22078696.0/59

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.015 χ^2/NDF : 58.4/31

Left Out: -0.016 ± 0.018 χ^2/NDF : 21.6/24

Right Out: -0.062 ± 0.014 χ^2/NDF : 192.8/36

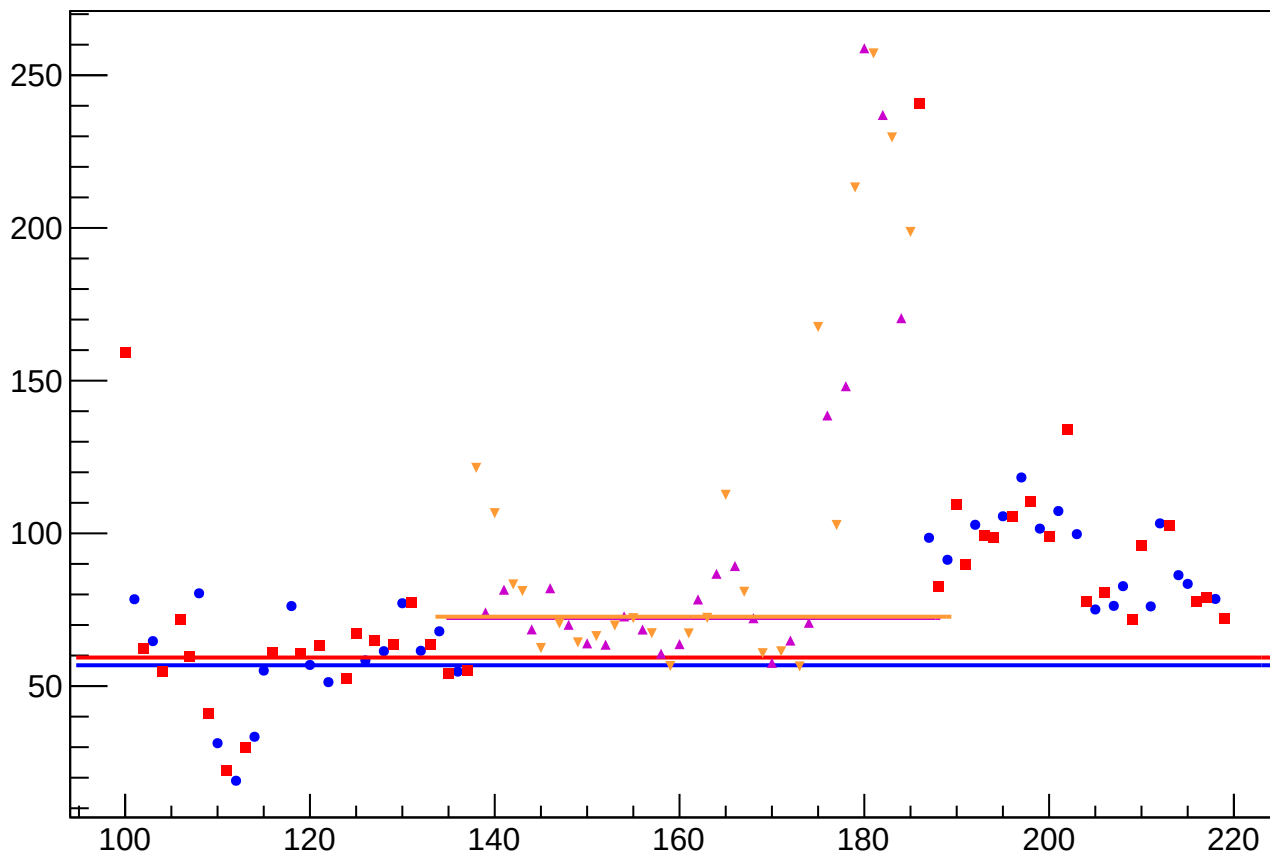
Left In: -0.011 ± 0.018 χ^2/NDF : 23.3/22

+ sign -0.004 ± 0.011 χ^2/NDF : 80.7/56

All: -0.023 ± 0.008 χ^2/NDF : 307.2/116

- sign -0.042 ± 0.011 χ^2/NDF : 220.8/59

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 56.815 $\pm$ 0.010 χ^2 /NDF: 8159200.3/31

Left Out: 72.716 $\pm$ 0.013 χ^2 /NDF: 3961100.5/24

Right Out: 59.349 $\pm$ 0.010 χ^2 /NDF: 7332133.3/36

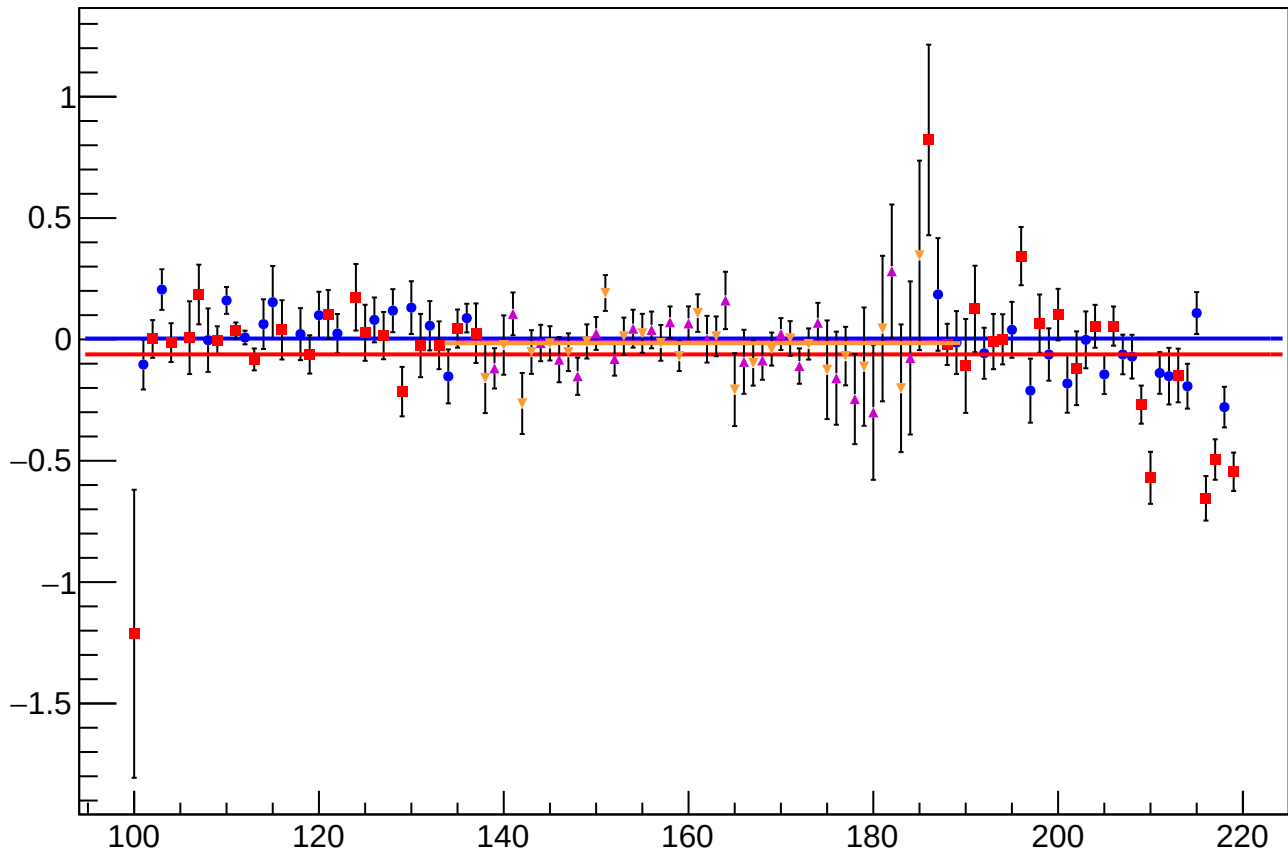
Left In: 72.298 $\pm$ 0.013 χ^2 /NDF: 2790146.5/22

+ sign 63.115 $\pm$ 0.008 χ^2 /NDF: 13066733.5/56

All: 63.724 $\pm$ 0.006 χ^2 /NDF: 23819488.2/116

- sign 64.335 $\pm$ 0.008 χ^2 /NDF: 10741123.5/59

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.015 χ^2 /NDF: 58.4/31

Left Out: -0.016 $\pm$ 0.018 χ^2 /NDF: 21.6/24

Right Out: -0.062 $\pm$ 0.014 χ^2 /NDF: 192.8/36

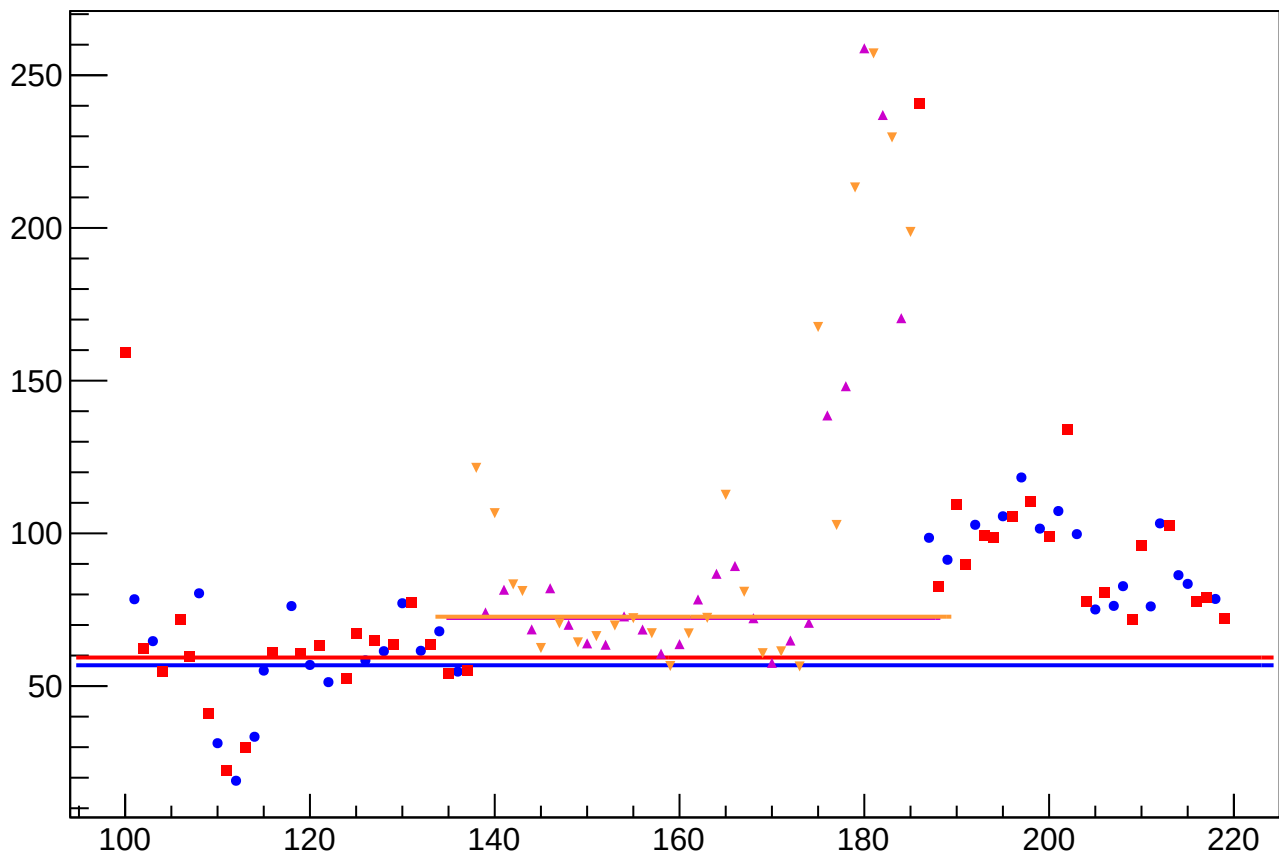
Left In: -0.011 $\pm$ 0.018 χ^2 /NDF: 23.3/22

+ sign -0.004 $\pm$ 0.011 χ^2 /NDF: 80.7/56

All: -0.023 $\pm$ 0.008 χ^2 /NDF: 307.2/116

- sign -0.042 $\pm$ 0.011 χ^2 /NDF: 220.8/59

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 56.815 $\pm$ 0.010 χ^2 /NDF: 8159200.3/31

Left Out: 72.716 $\pm$ 0.013 χ^2 /NDF: 3961100.5/24

Right Out: 59.349 $\pm$ 0.010 χ^2 /NDF: 7332133.3/36

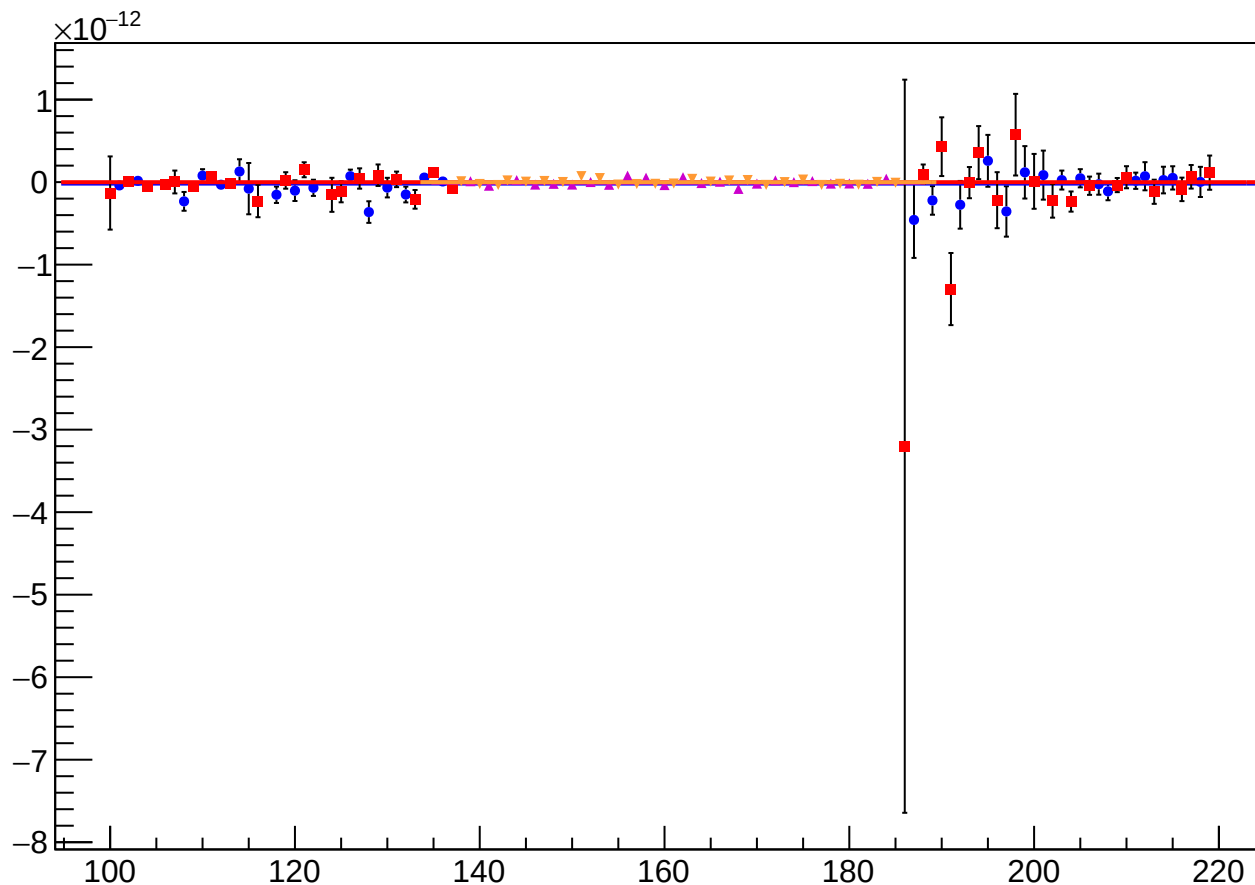
Left In: 72.298 $\pm$ 0.013 χ^2 /NDF: 2790146.5/22

+ sign 63.115 $\pm$ 0.008 χ^2 /NDF: 13066733.5/56

All: 63.724 $\pm$ 0.006 χ^2 /NDF: 23819488.2/116

- sign 64.335 $\pm$ 0.008 χ^2 /NDF: 10741123.5/59

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 30.3/31

Left Out: -0.000+/-0.000 χ^2 /NDF: 27.9/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 44.8/36

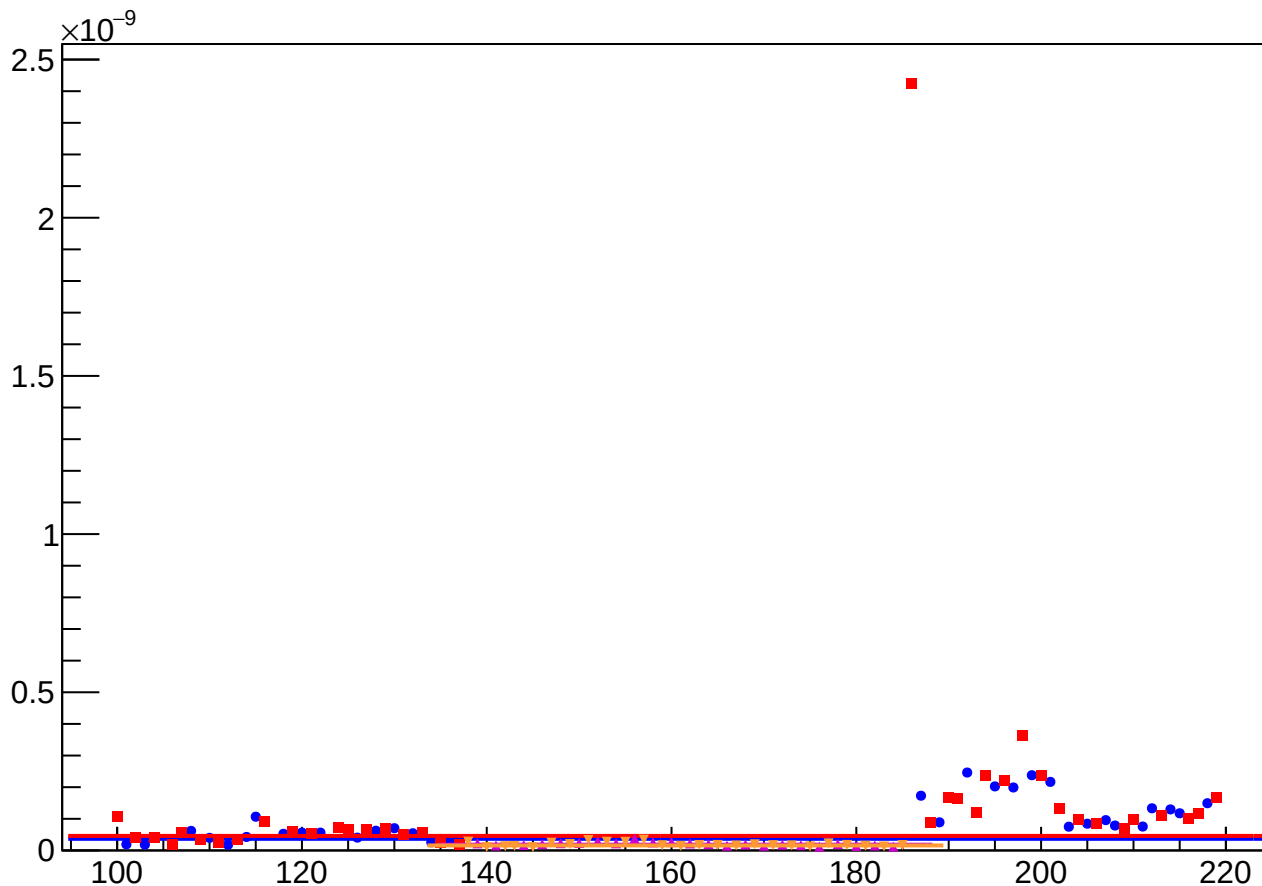
Left In: -0.000+/-0.000 χ^2 /NDF: 38.3/22

+ sign -0.000+/-0.000 χ^2 /NDF: 59.7/56

All: -0.000+/-0.000 χ^2 /NDF: 143.1/116

- sign -0.000+/-0.000 χ^2 /NDF: 83.2/59

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 11043492.1/31

Left Out: 0.000+/-0.000 χ^2 /NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 10103801.2/36

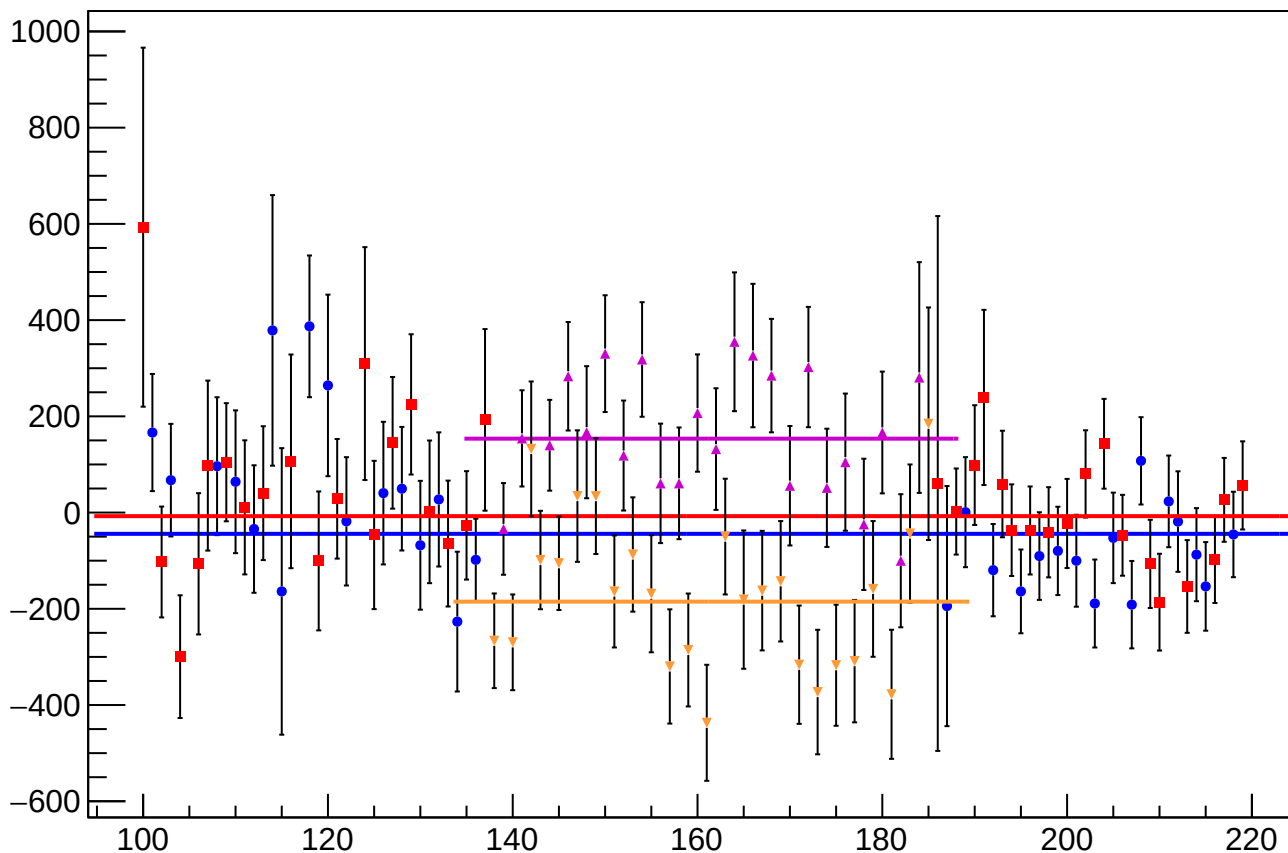
Left In: 0.000+/-0.000 χ^2 /NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2 /NDF: 17679917.4/56

All: 0.000+/-0.000 χ^2 /NDF: 35751515.6/116

- sign 0.000+/-0.000 χ^2 /NDF: 17647764.7/59

reg_asym_sam_15_dd_mean vs Slug



Right In: -44.183 ± 19.785 χ^2/NDF : 36.1/31

Left Out: -185.146 ± 24.452 χ^2/NDF : 33.1/24

Right Out: -7.447 ± 19.117 χ^2/NDF : 33.3/36

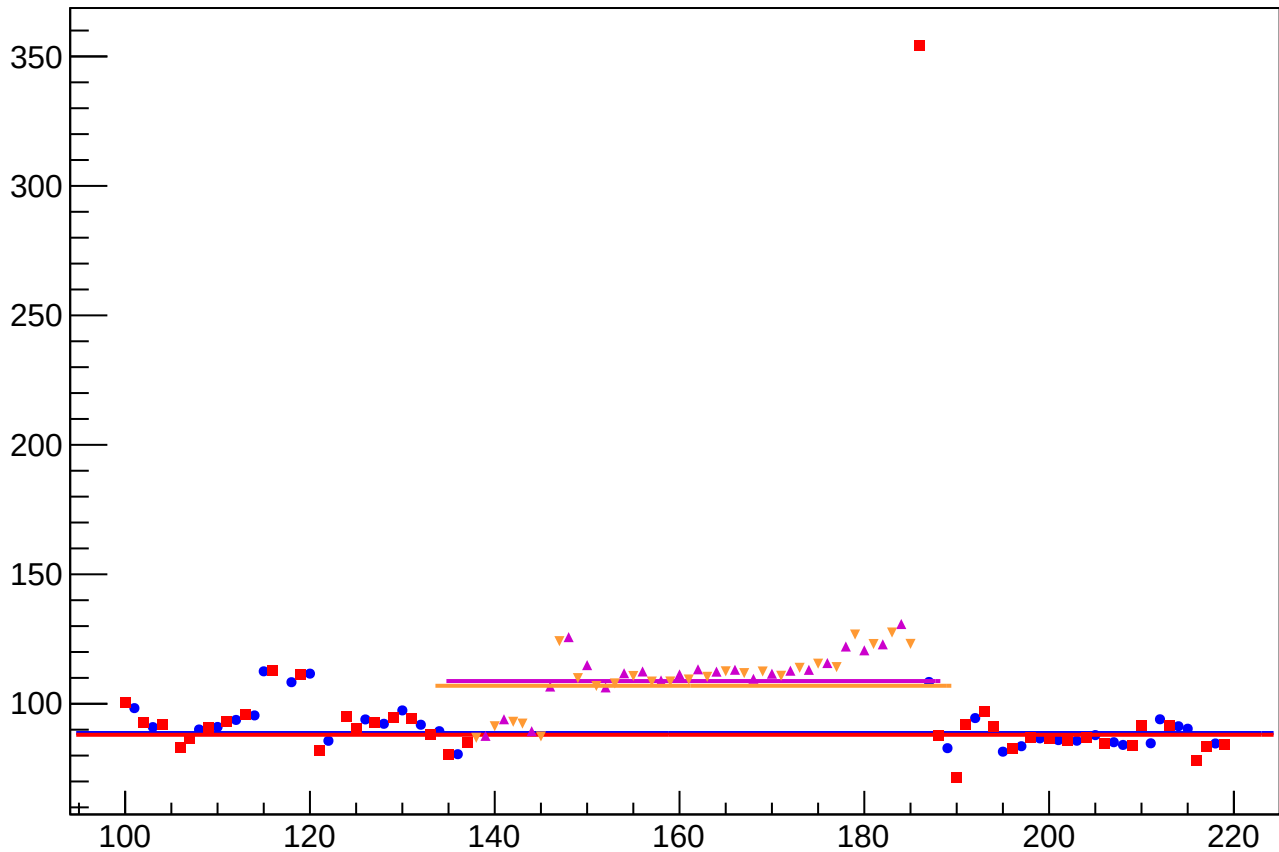
Left In: 153.627 ± 25.538 χ^2/NDF : 23.5/22

+ sign -99.955 ± 15.381 χ^2/NDF : 89.3/56

All: -24.403 ± 10.849 χ^2/NDF : 219.6/116

- sign 50.399 ± 15.304 χ^2/NDF : 82.3/59

reg_asym_sam_15_dd_rms vs Slug



Right In: 88.707 ± 0.014 χ^2/NDF : 201784.1/31

Left Out: 106.954 ± 0.017 χ^2/NDF : 464271.3/24

Right Out: 88.032 ± 0.014 χ^2/NDF : 690796.6/36

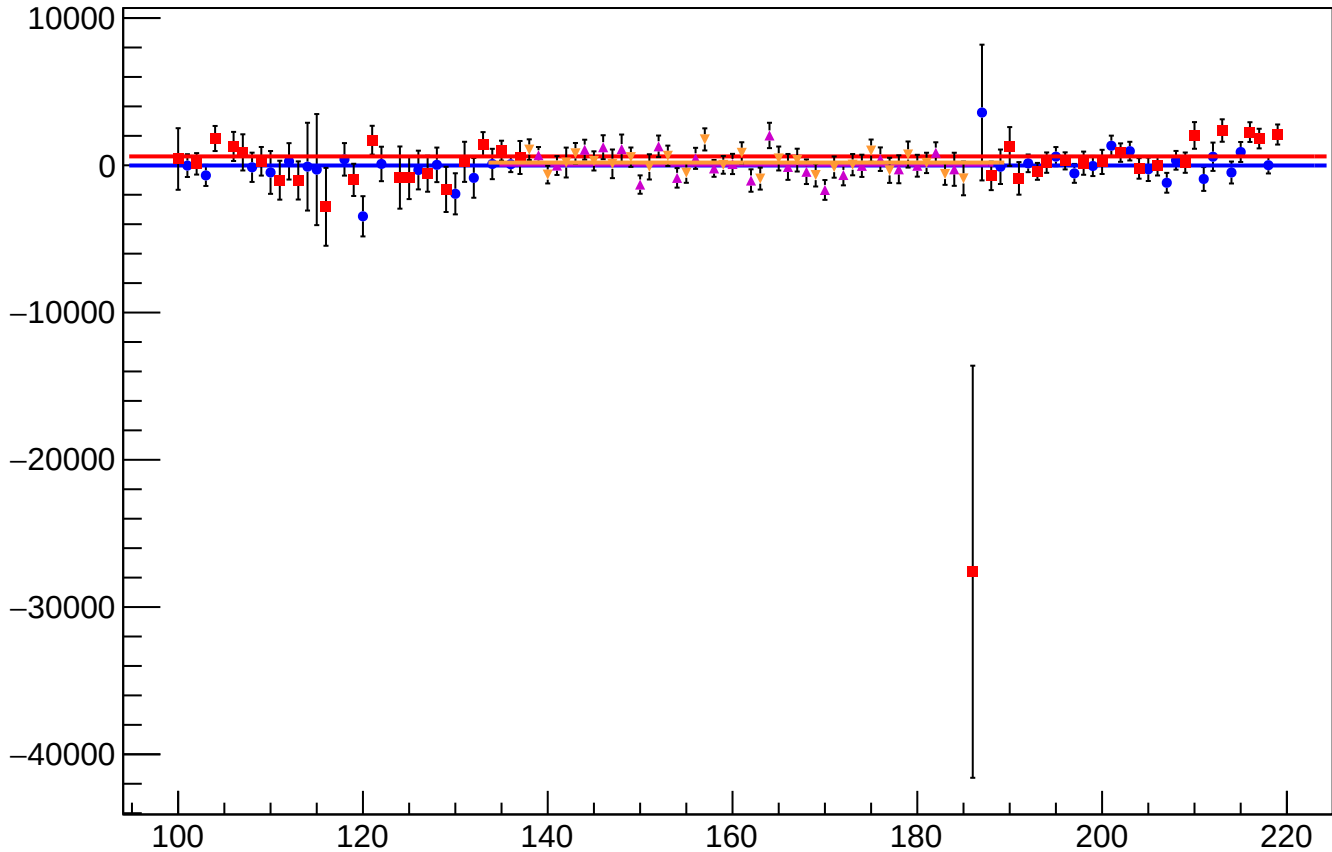
Left In: 108.781 ± 0.018 χ^2/NDF : 358436.3/22

+ sign 95.926 ± 0.011 χ^2/NDF : 1339130.3/56

All: 95.704 ± 0.008 χ^2/NDF : 3235271.2/116

- sign 95.483 ± 0.011 χ^2/NDF : 1895306.7/59

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -13.157+/-147.559 χ^2/NDF : 25.7/31

Left Out: 186.456+/-148.819 χ^2/NDF : 19.1/24

Right Out: 604.065+/-143.734 χ^2/NDF : 54.3/36

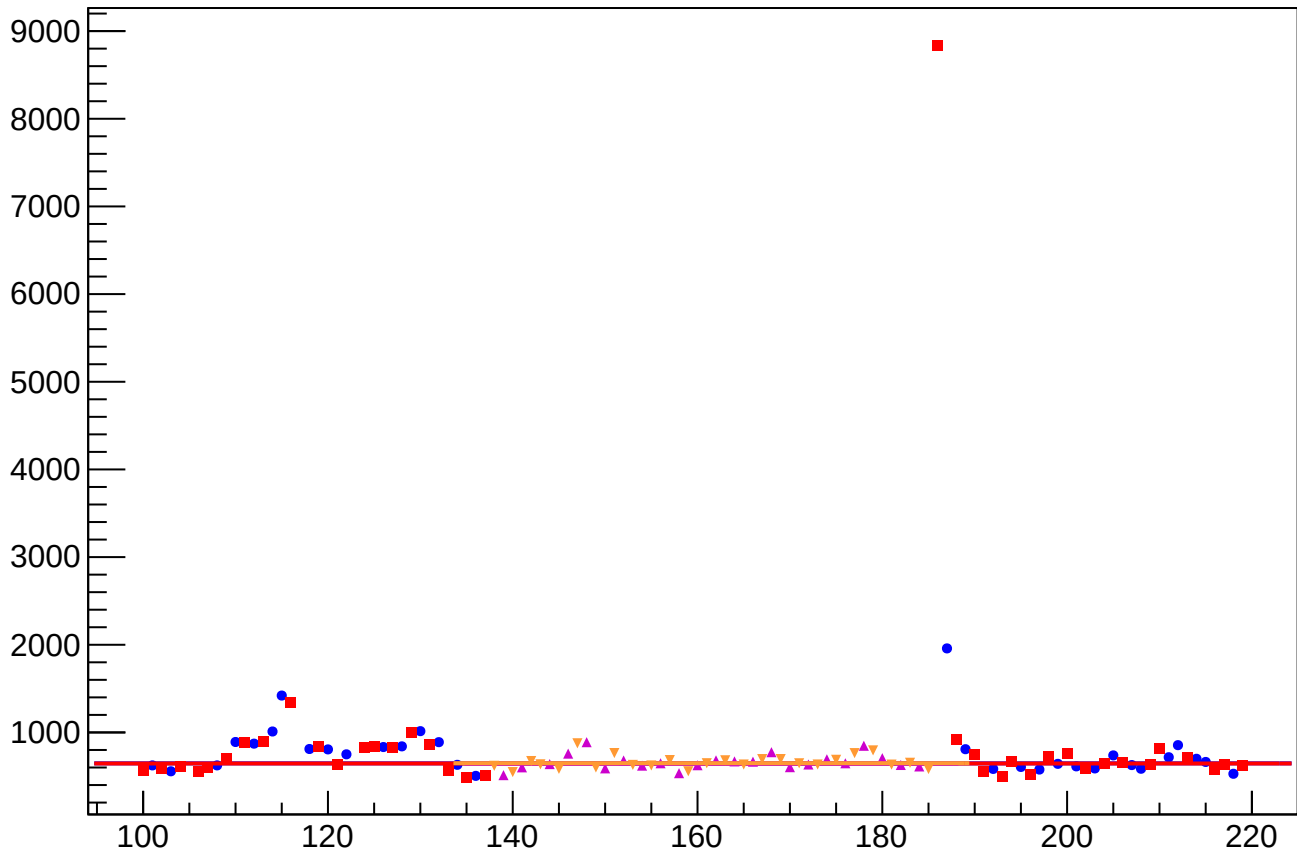
Left In: 43.249+/-152.059 χ^2/NDF : 33.7/22

+ sign 85.801+/-104.783 χ^2/NDF : 45.7/56

All: 213.013+/-73.976 χ^2/NDF : 143.8/116

- sign 339.429+/-104.454 χ^2/NDF : 95.2/59

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 647.502 $\pm$ 0.104 χ^2 /NDF: 1329209.2/31

Left Out: 649.189 $\pm$ 0.105 χ^2 /NDF: 418364.7/24

Right Out: 645.766 $\pm$ 0.102 χ^2 /NDF: 2082612.6/36

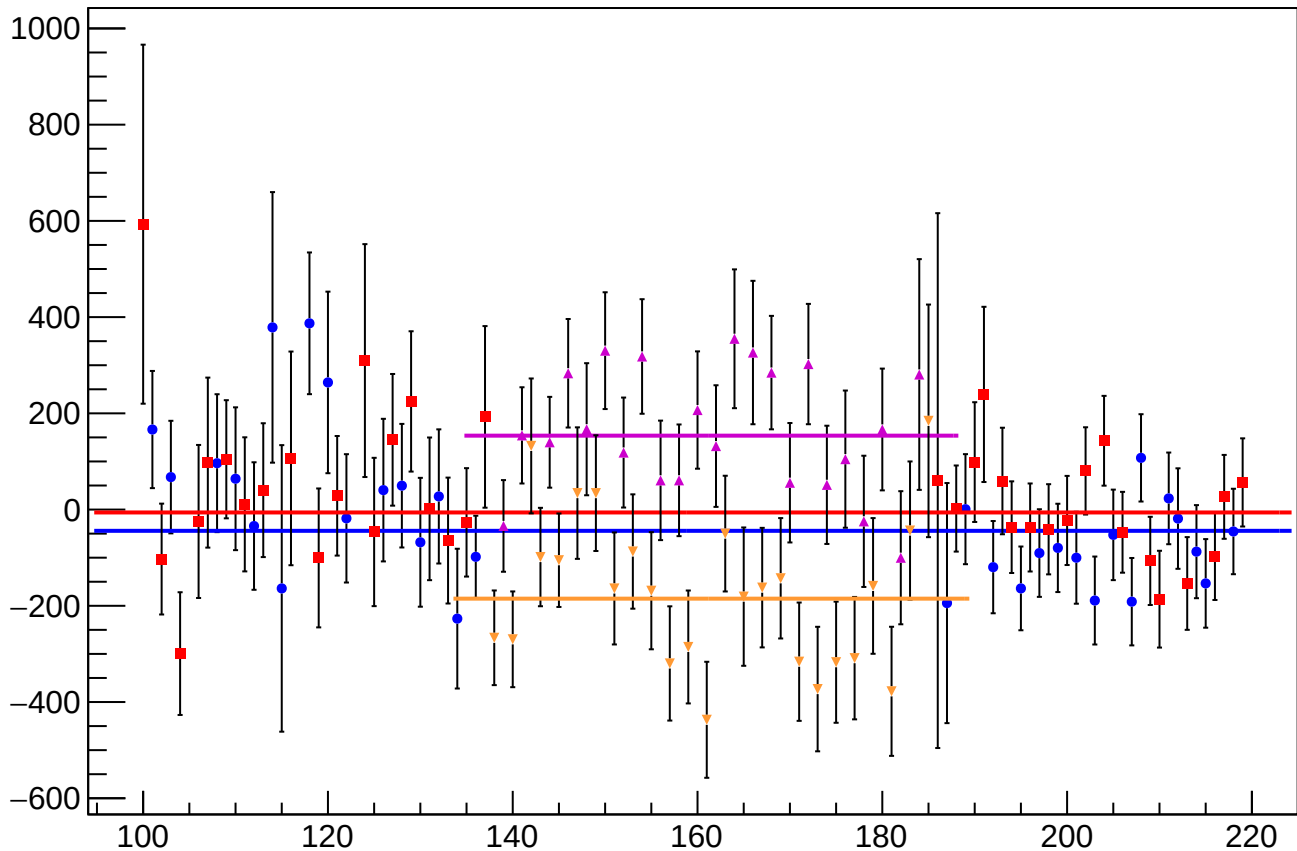
Left In: 644.072 $\pm$ 0.108 χ^2 /NDF: 559119.9/22

+ sign 648.338 $\pm$ 0.074 χ^2 /NDF: 1747703.4/56

All: 646.647 $\pm$ 0.052 χ^2 /NDF: 4390605.6/116

- sign 644.967 $\pm$ 0.074 χ^2 /NDF: 2641863.6/59

cor_asym_sam_15_dd_mean vs Slug



Right In: -44.182 ± 19.785 χ^2/NDF : 36.1/31

Left Out: -185.148 ± 24.452 χ^2/NDF : 33.0/24

Right Out: -6.012 ± 19.141 χ^2/NDF : 32.8/36

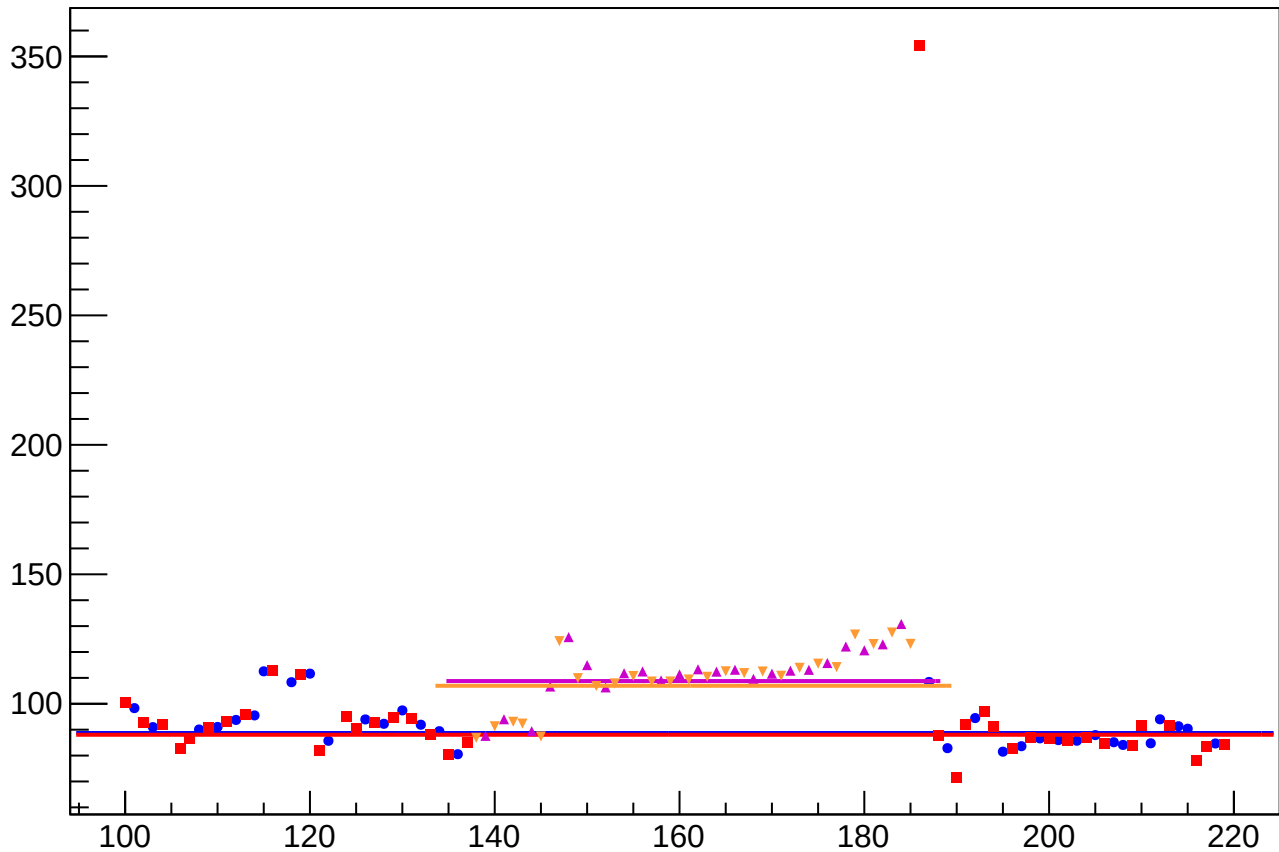
Left In: 153.632 ± 25.538 χ^2/NDF : 23.5/22

+ sign -99.956 ± 15.381 χ^2/NDF : 89.3/56

All: -23.955 ± 10.853 χ^2/NDF : 219.3/116

- sign 51.412 ± 15.316 χ^2/NDF : 81.4/59

cor_asym_sam_15_dd_rms vs Slug



Right In: 88.707 $\pm$ 0.014 χ^2 /NDF: 201784.2/31

Left Out: 106.954 $\pm$ 0.017 χ^2 /NDF: 464271.4/24

Right Out: 88.036 $\pm$ 0.014 χ^2 /NDF: 690919.2/36

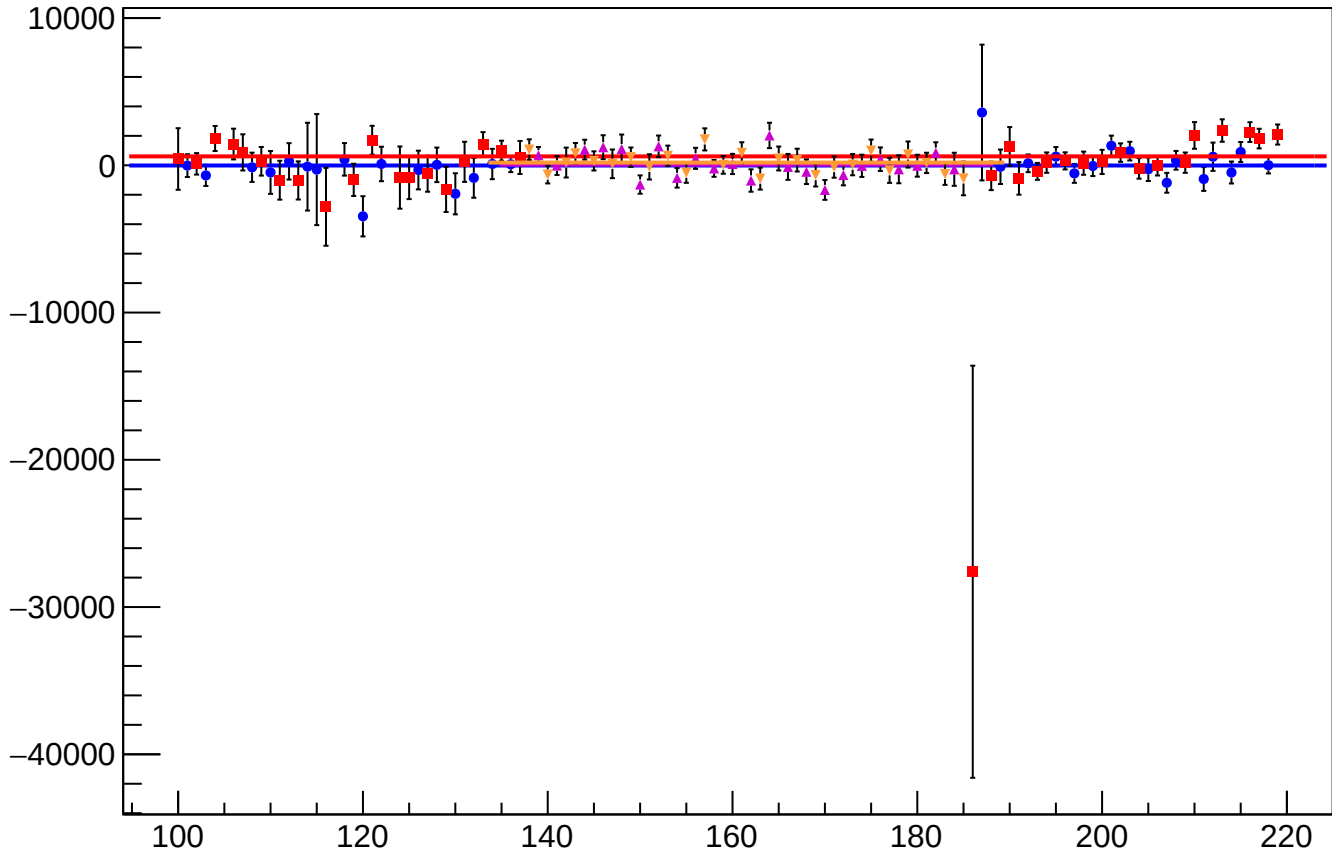
Left In: 108.781 $\pm$ 0.018 χ^2 /NDF: 358436.4/22

+ sign 95.926 $\pm$ 0.011 χ^2 /NDF: 1339130.4/56

All: 95.711 $\pm$ 0.008 χ^2 /NDF: 3234227.4/116

- sign 95.498 $\pm$ 0.011 χ^2 /NDF: 1894318.0/59

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -13.161 ± 147.559 χ^2/NDF : 25.7/31

Left Out: 186.450 ± 148.819 χ^2/NDF : 19.1/24

Right Out: 605.642 ± 143.893 χ^2/NDF : 54.5/36

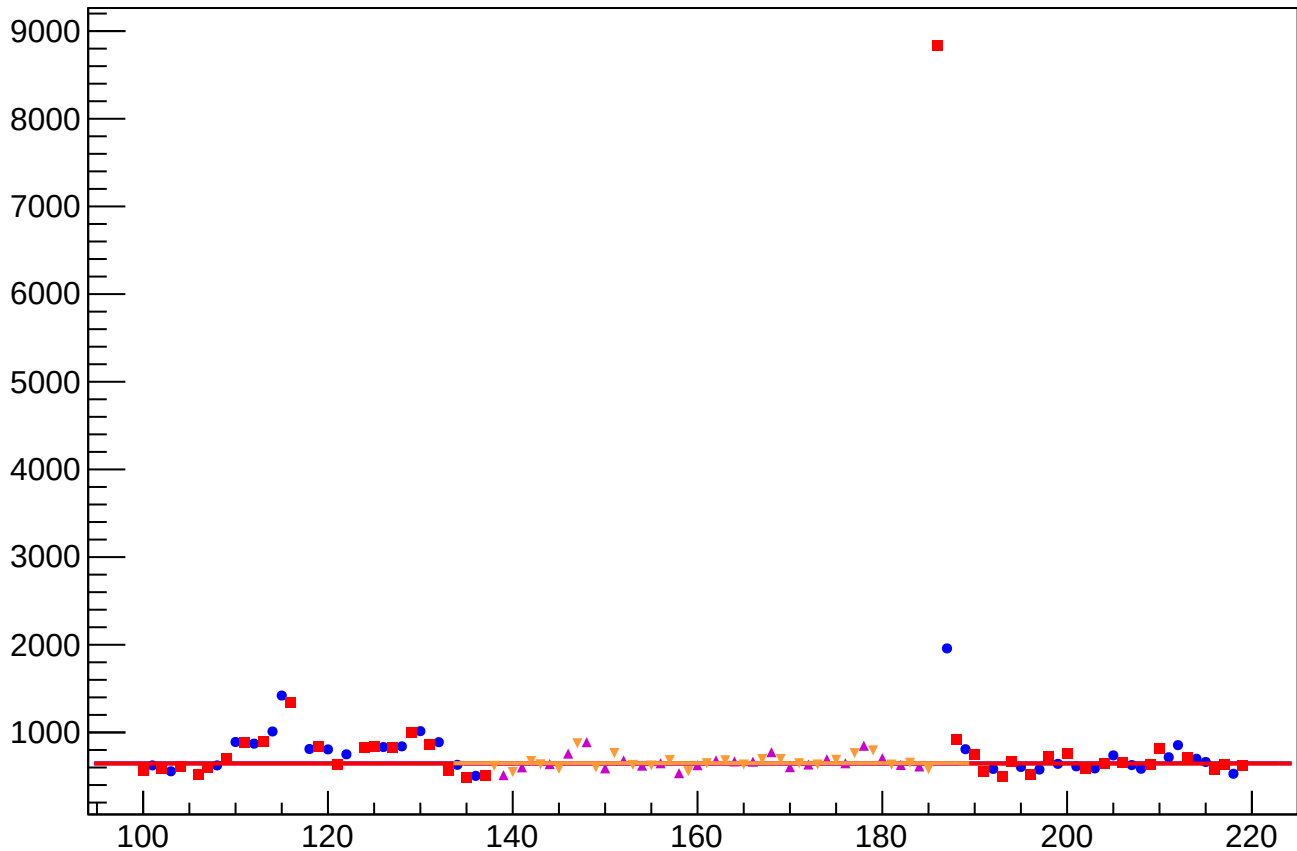
Left In: 43.251 ± 152.059 χ^2/NDF : 33.7/22

+ sign 85.796 ± 104.783 χ^2/NDF : 45.7/56

All: 213.199 ± 73.998 χ^2/NDF : 144.1/116

- sign 339.953 ± 104.515 χ^2/NDF : 95.4/59

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 647.502 $\pm$ 0.104 χ^2 /NDF: 1329208.7/31

Left Out: 649.189 $\pm$ 0.105 χ^2 /NDF: 418365.4/24

Right Out: 645.447 $\pm$ 0.102 χ^2 /NDF: 2091859.0/36

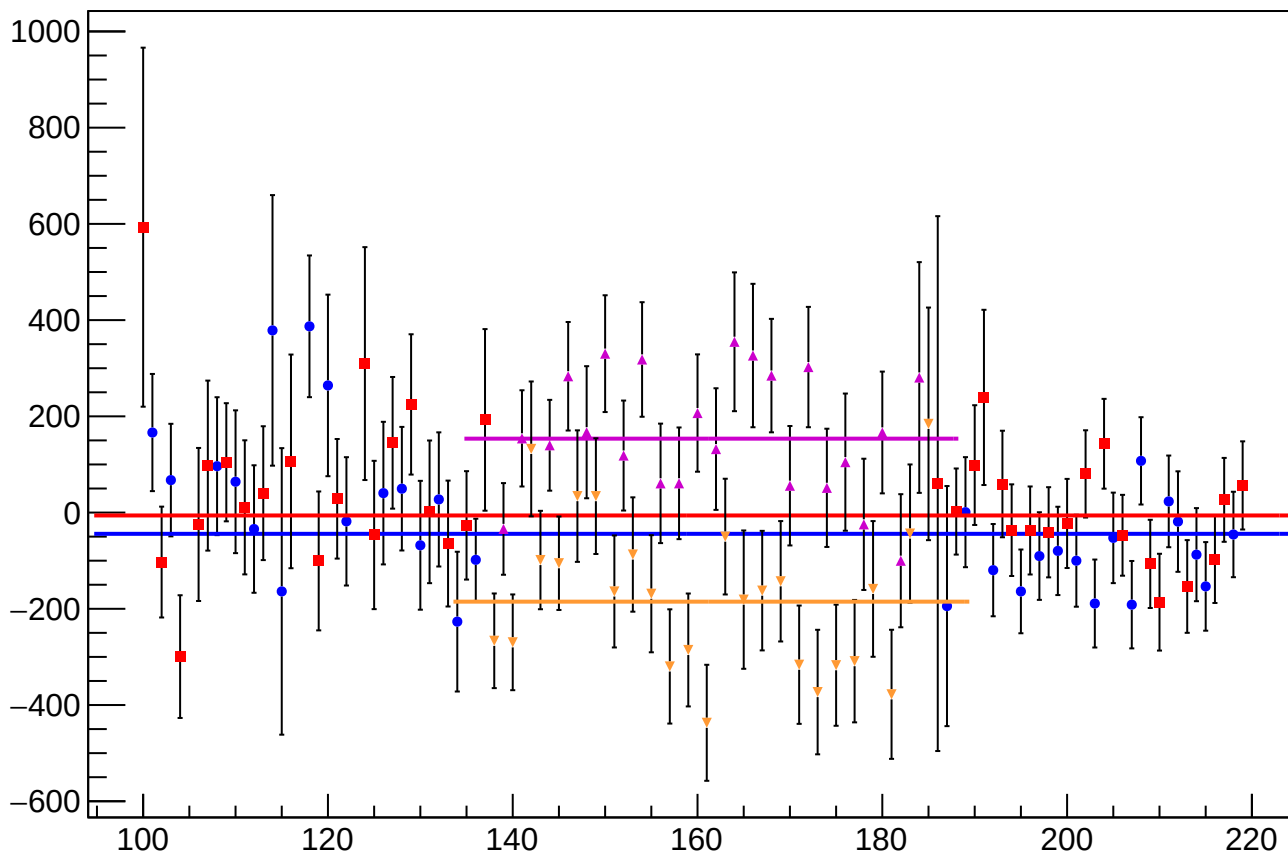
Left In: 644.072 $\pm$ 0.108 χ^2 /NDF: 559121.0/22

+ sign 648.339 $\pm$ 0.074 χ^2 /NDF: 1747703.6/56

All: 646.564 $\pm$ 0.052 χ^2 /NDF: 4399914.8/116

- sign 644.798 $\pm$ 0.074 χ^2 /NDF: 2651066.3/59

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -44.182 ± 19.785 χ^2/NDF : 36.1/31

Left Out: -185.148 ± 24.452 χ^2/NDF : 33.0/24

Right Out: -6.012 ± 19.141 χ^2/NDF : 32.8/36

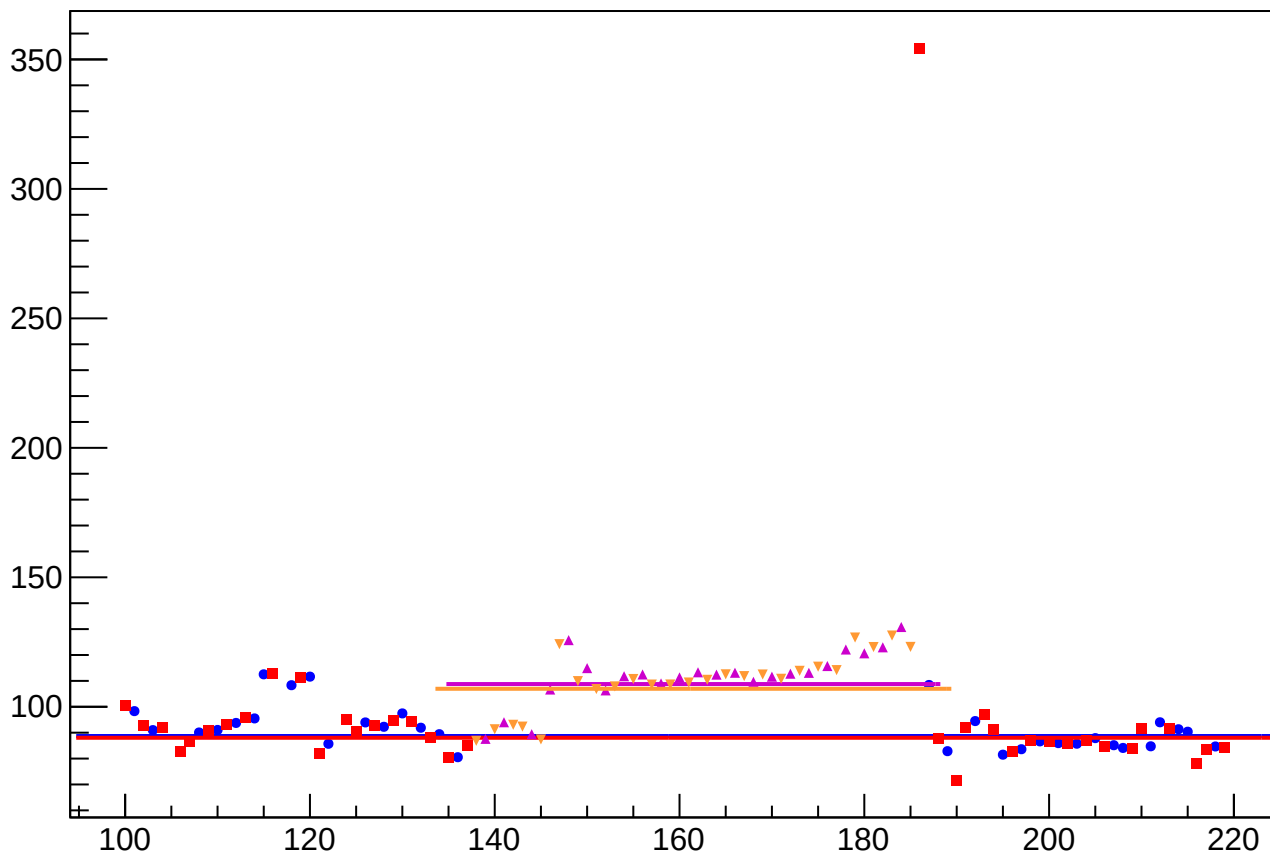
Left In: 153.632 ± 25.538 χ^2/NDF : 23.5/22

+ sign -99.956 ± 15.381 χ^2/NDF : 89.3/56

All: -23.955 ± 10.853 χ^2/NDF : 219.3/116

- sign 51.412 ± 15.316 χ^2/NDF : 81.4/59

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 88.707 $\pm$ 0.014 χ^2 /NDF: 201784.2/31

Left Out: 106.954 $\pm$ 0.017 χ^2 /NDF: 464271.4/24

Right Out: 88.036 $\pm$ 0.014 χ^2 /NDF: 690919.2/36

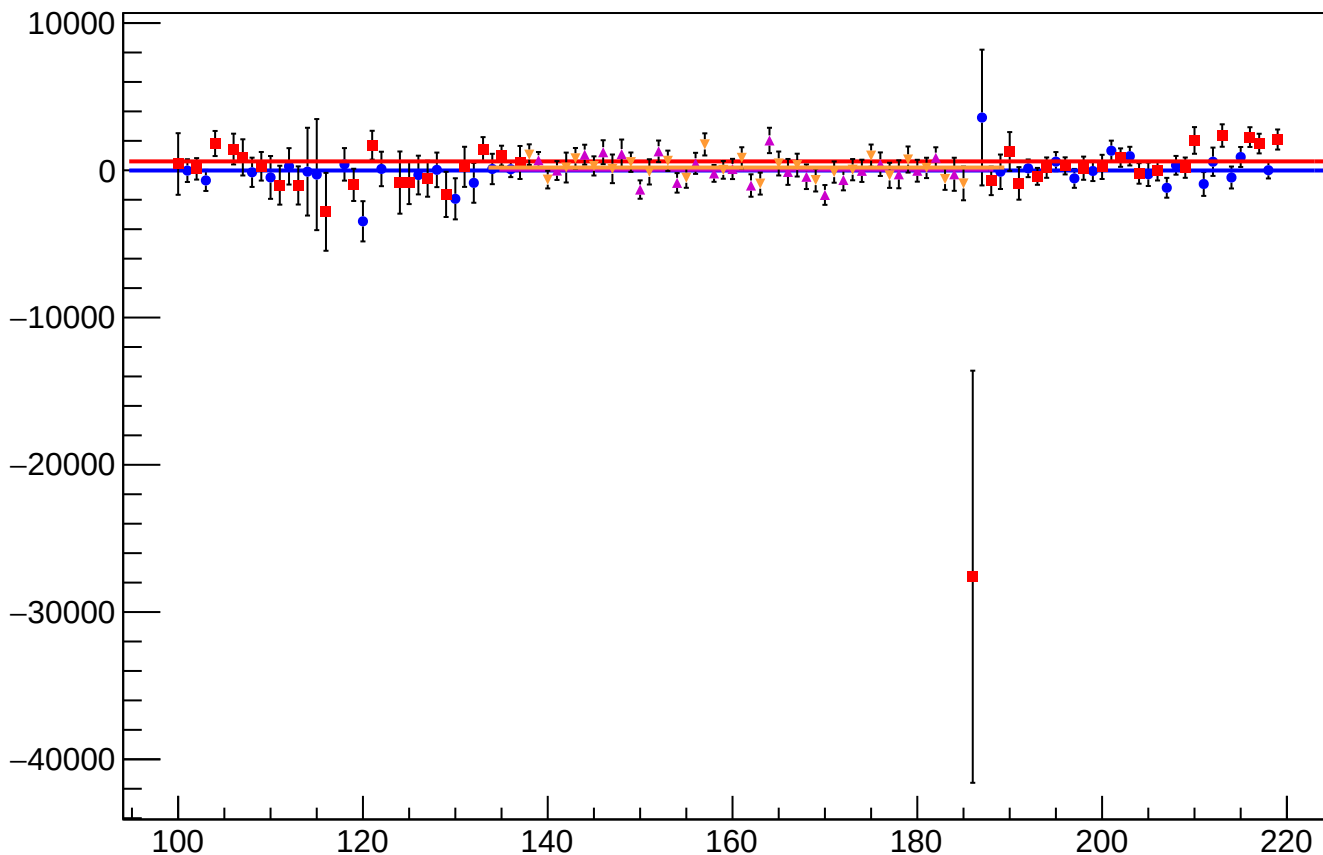
Left In: 108.781 $\pm$ 0.018 χ^2 /NDF: 358436.4/22

+ sign 95.926 $\pm$ 0.011 χ^2 /NDF: 1339130.4/56

All: 95.711 $\pm$ 0.008 χ^2 /NDF: 3234227.4/116

- sign 95.498 $\pm$ 0.011 χ^2 /NDF: 1894318.0/59

asym_sam_15_dd_eigen_cor_correction_mean vs Slug



Right In: -13.161+/-147.559 χ^2/NDF : 25.7/31

Left Out: 186.450+/-148.819 χ^2/NDF : 19.1/24

Right Out: 605.642+/-143.893 χ^2/NDF : 54.5/36

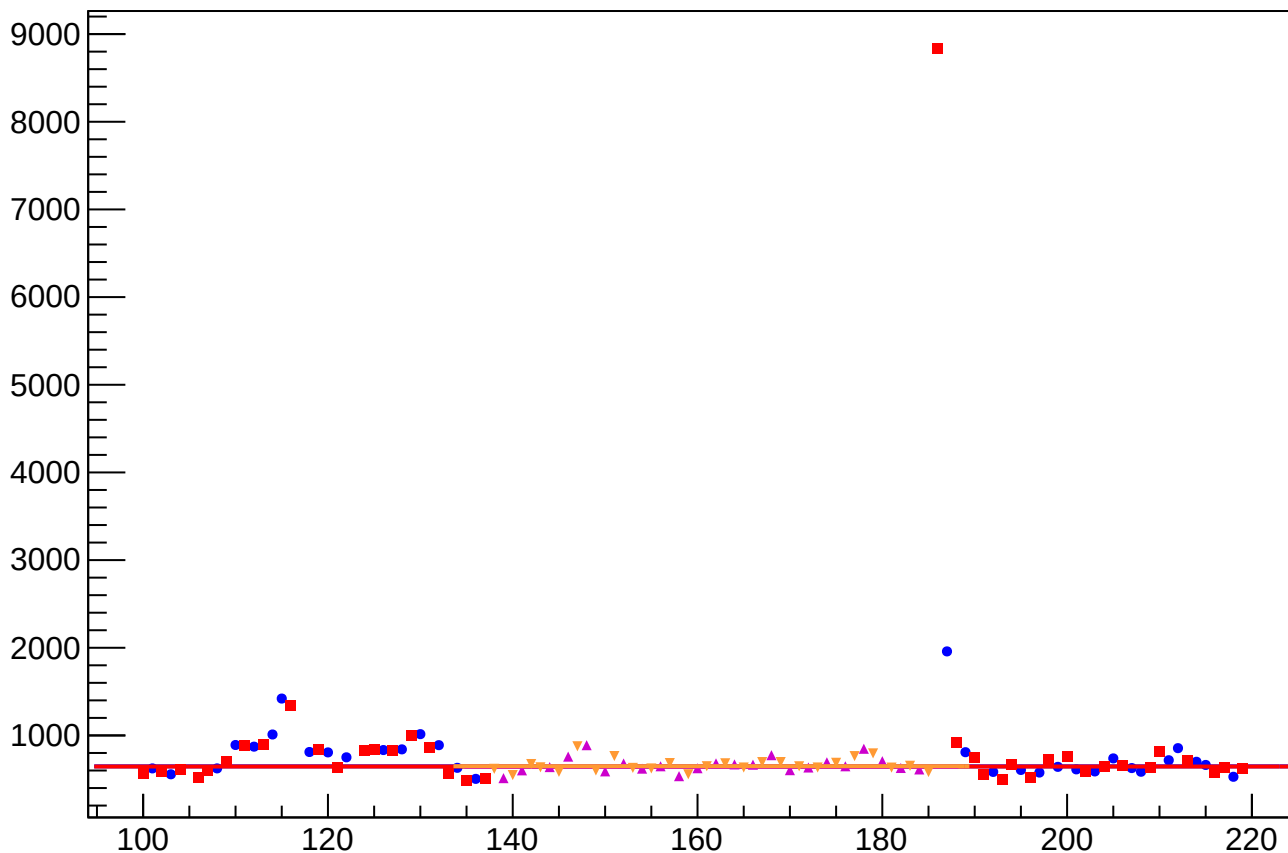
Left In: 43.251+/-152.059 χ^2/NDF : 33.7/22

+ sign 85.796+/-104.783 χ^2/NDF : 45.7/56

All: 213.199+/-73.998 χ^2/NDF : 144.1/116

- sign 339.953+/-104.515 χ^2/NDF : 95.4/59

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 647.502 $\pm$ 0.104 χ^2 /NDF: 1329208.7/31

Left Out: 649.189 $\pm$ 0.105 χ^2 /NDF: 418365.4/24

Right Out: 645.447 $\pm$ 0.102 χ^2 /NDF: 2091859.0/36

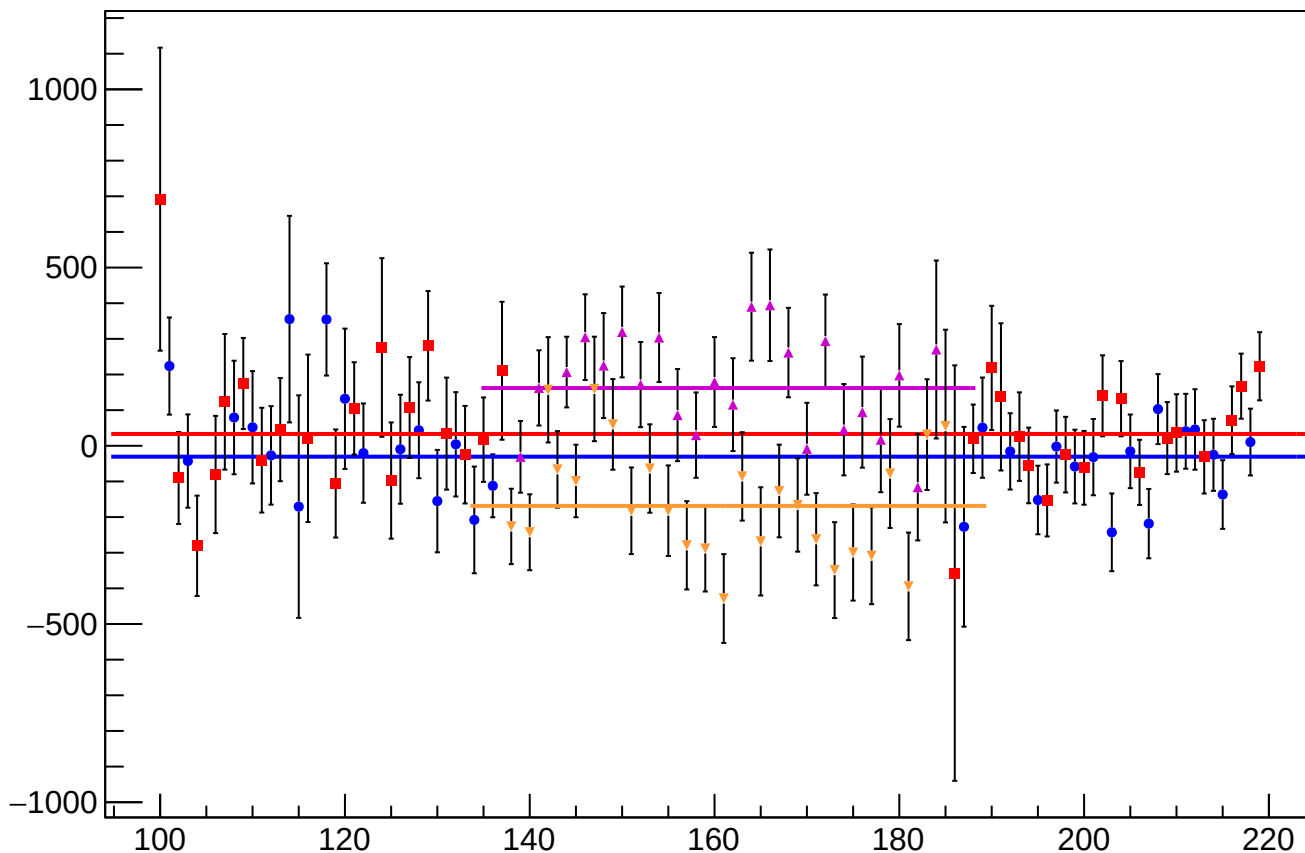
Left In: 644.072 $\pm$ 0.108 χ^2 /NDF: 559121.0/22

+ sign 648.339 $\pm$ 0.074 χ^2 /NDF: 1747703.6/56

All: 646.564 $\pm$ 0.052 χ^2 /NDF: 4399914.8/116

- sign 644.798 $\pm$ 0.074 χ^2 /NDF: 2651066.3/59

dit_asym_sam_15_dd_mean vs Slug



Right In: -30.559 ± 21.501 $\chi^2/\text{NDF}: 30.6/31$

Left Out: -168.634 ± 25.819 $\chi^2/\text{NDF}: 32.4/24$

Right Out: 33.175 ± 20.846 $\chi^2/\text{NDF}: 34.0/36$

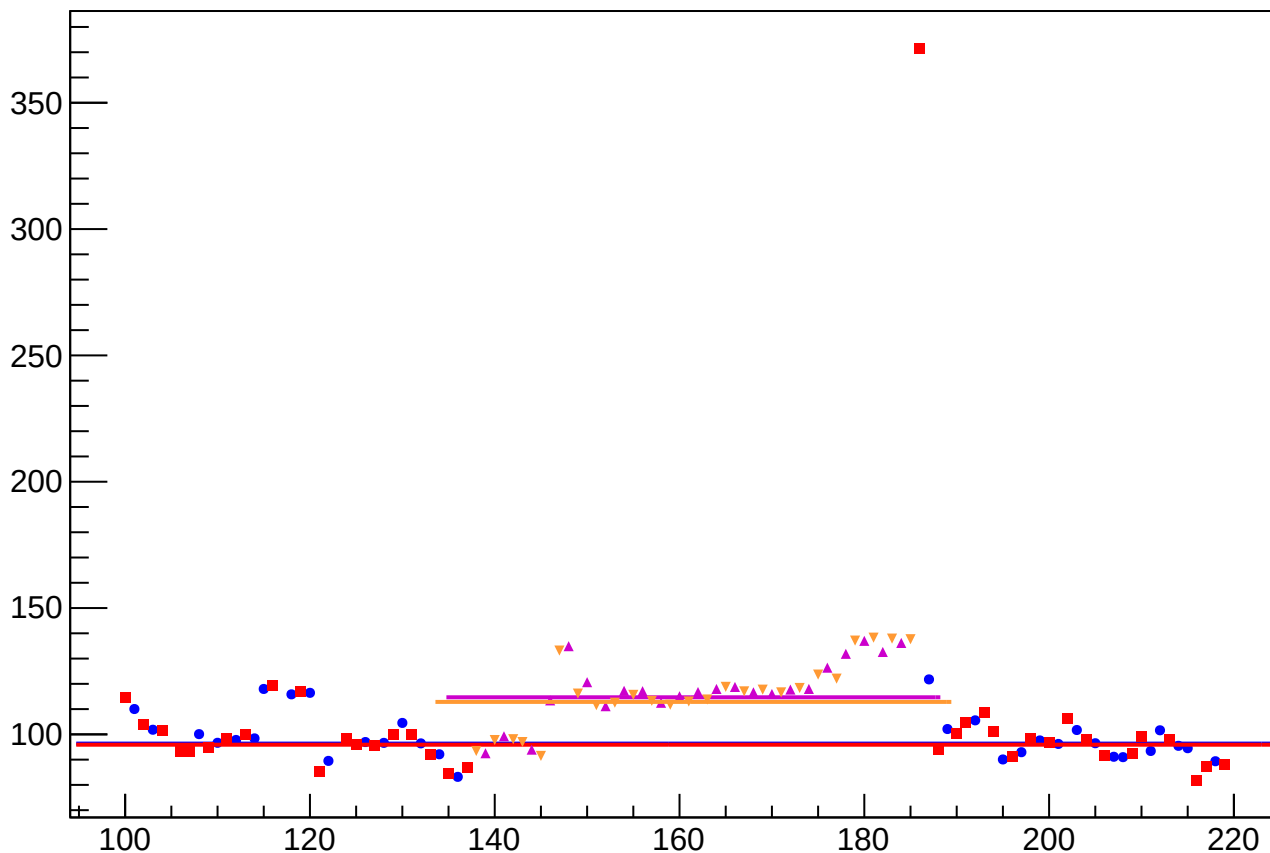
Left In: 162.028 ± 26.948 $\chi^2/\text{NDF}: 23.6/22$

+ sign -87.099 ± 16.522 $\chi^2/\text{NDF}: 79.8/56$

All: -2.669 ± 11.671 $\chi^2/\text{NDF}: 203.9/116$

- sign 81.415 ± 16.488 $\chi^2/\text{NDF}: 71.9/59$

dit_asym_sam_15_dd_rms vs Slug



Right In: 96.348+/-0.015 χ^2/NDF : 223723.9/31

Left Out: 112.850+/-0.018 χ^2/NDF :512260.6/24

Right Out: 95.909+/-0.015 χ^2/NDF : 703818.3/36

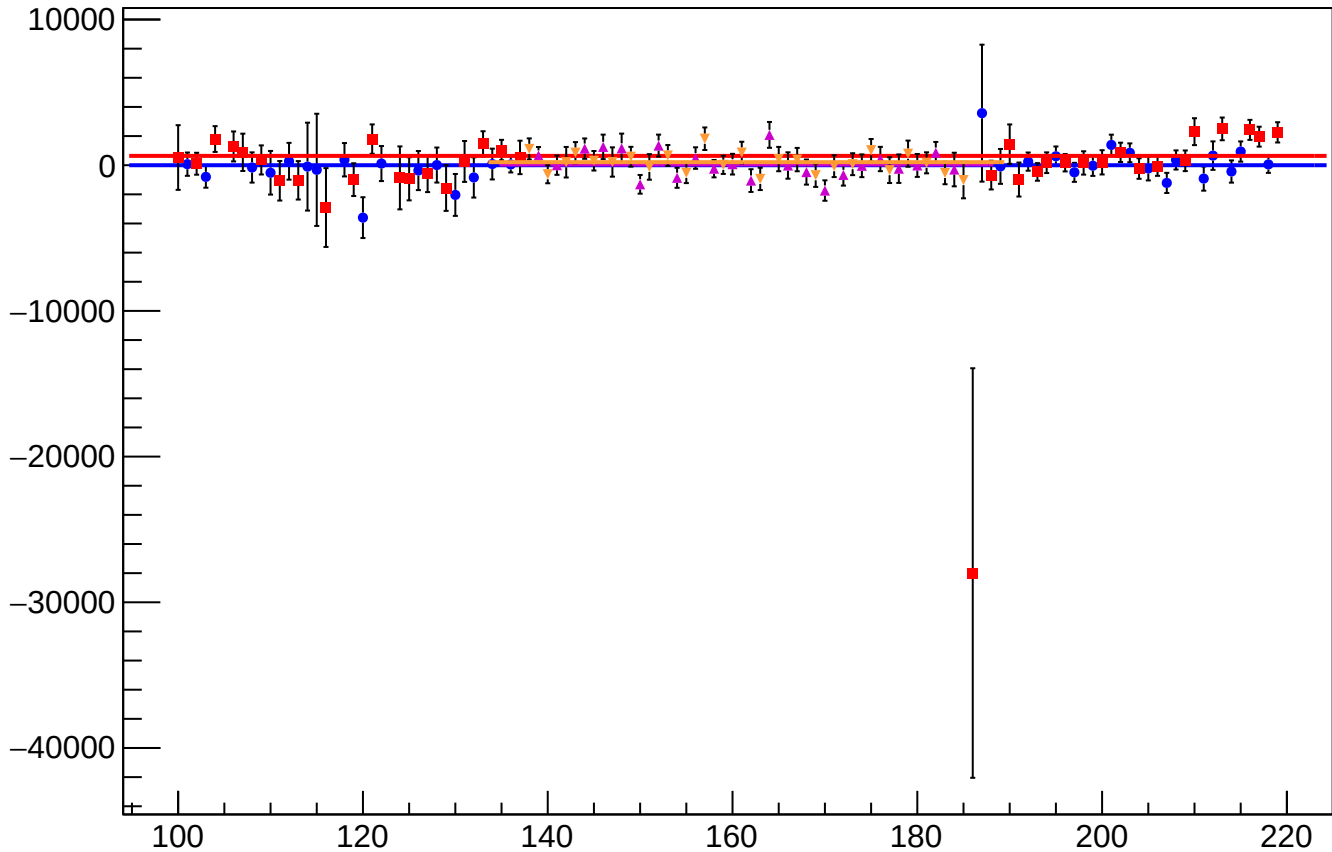
Left In: 114.677+/-0.019 χ^2/NDF :409932.2/22

+ sign 103.105+/-0.012 χ^2/NDF : 1218417.7/56

All: 103.020+/-0.008 χ^2/NDF : 2939175.9/116

- sign 102.936+/-0.012 χ^2/NDF : 1720653.0/59

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -0.946 ± 151.727 χ^2/NDF : 25.6/31

Left Out: 209.377 ± 153.925 χ^2/NDF : 18.9/24

Right Out: 640.043 ± 147.985 χ^2/NDF : 57.9/36

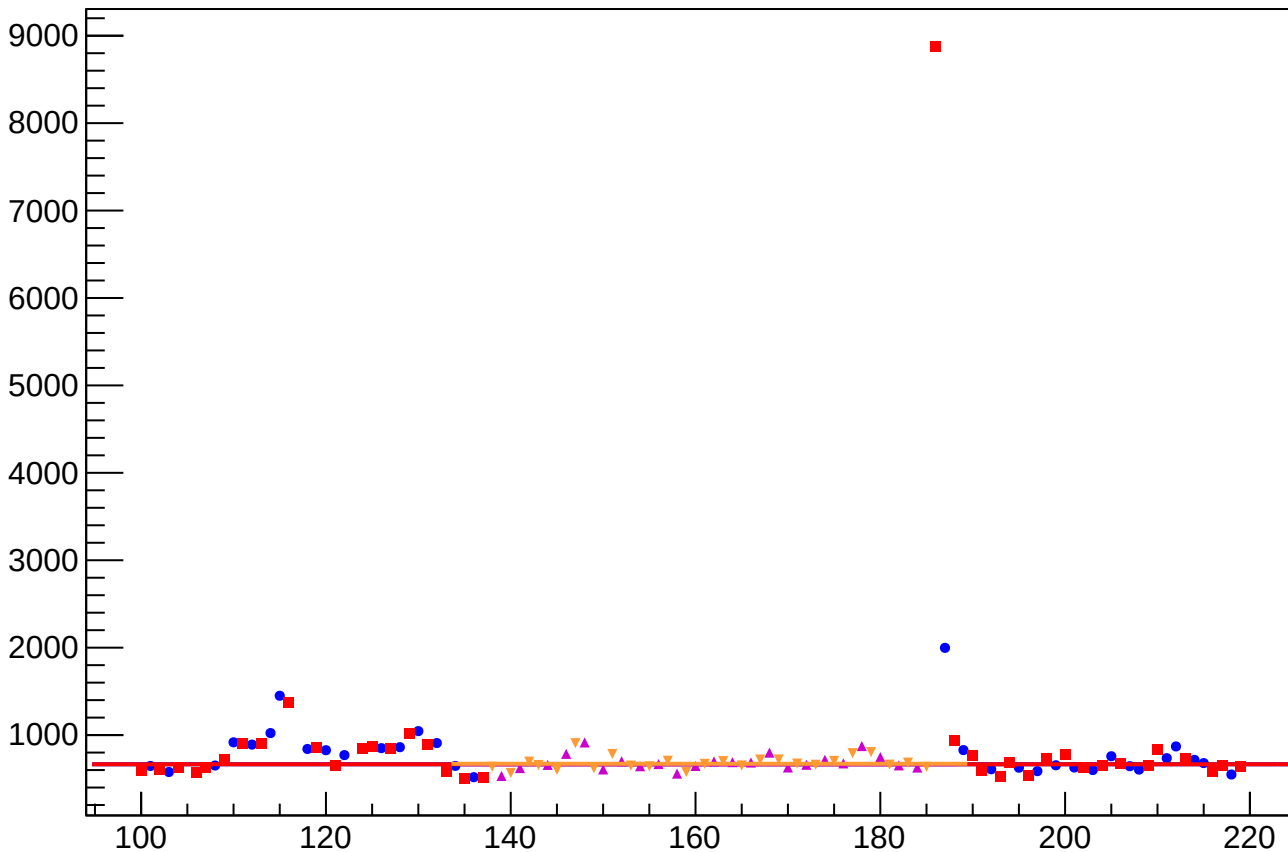
Left In: 50.266 ± 157.485 χ^2/NDF : 33.3/22

+ sign 102.703 ± 108.056 χ^2/NDF : 45.5/56

All: 233.347 ± 76.332 χ^2/NDF : 147.0/116

- sign 363.478 ± 107.844 χ^2/NDF : 98.7/59

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 666.347+/-0.107 χ^2/NDF : 1298037.8/31

Left Out: 671.849+/-0.109 χ^2/NDF :399159.9/24

Right Out: 665.783 ± 0.105 χ^2/NDF : 2001479.3/36

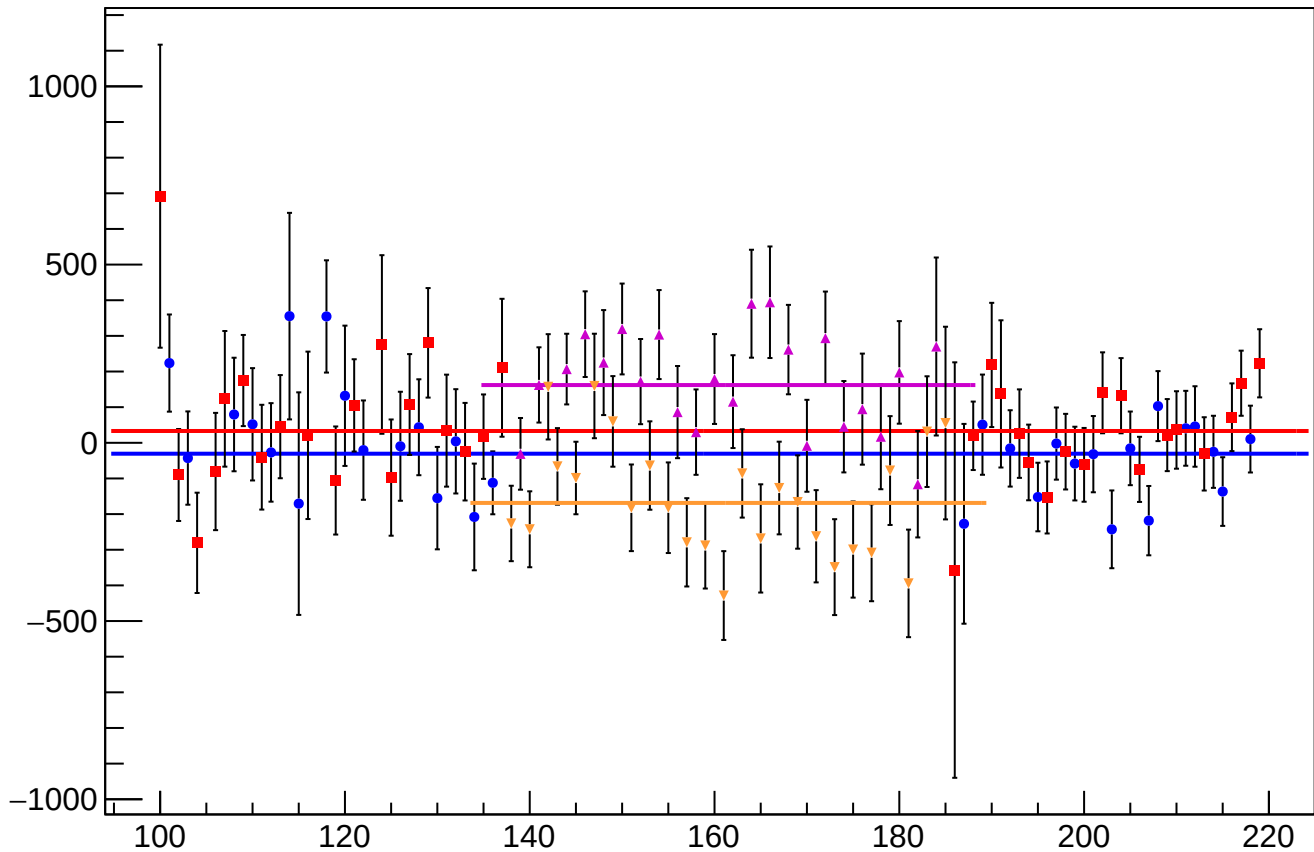
Left In: 667.341+/-0.111 χ^2/NDF :546903.6/22

+ sign 669.058+/-0.076 χ^2/NDF : 1698493.7/56

All: 667.784+/-0.054 χ^2/NDF : 4247536.0/116

- sign 666.514+/-0.076 χ^2/NDF : 2548486.9/59

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -30.559 ± 21.501 χ^2/NDF : 30.6/31

Left Out: -168.635 ± 25.819 χ^2/NDF : 32.4/24

Right Out: 33.174 ± 20.846 χ^2/NDF : 34.0/36

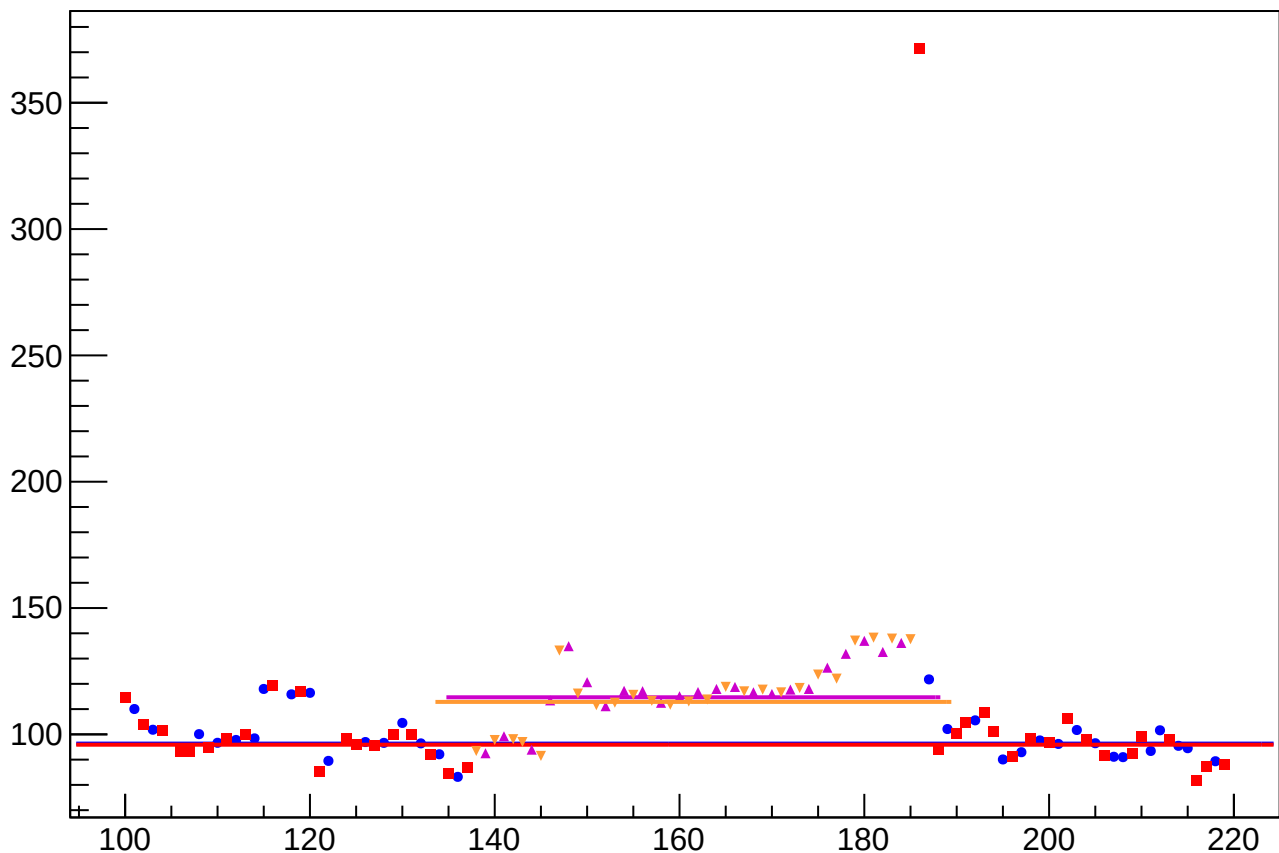
Left In: 162.028 ± 26.948 χ^2/NDF : 23.6/22

+ sign -87.099 ± 16.522 χ^2/NDF : 79.8/56

All: -2.669 ± 11.671 χ^2/NDF : 203.9/116

- sign 81.415 ± 16.488 χ^2/NDF : 71.9/59

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 96.347+/-0.015 χ^2/NDF : 223727.3/31

Left Out: 112.850+/-0.018 χ^2/NDF : 512254.2/24

Right Out: 95.909+/-0.015 χ^2/NDF : 703822.7/36

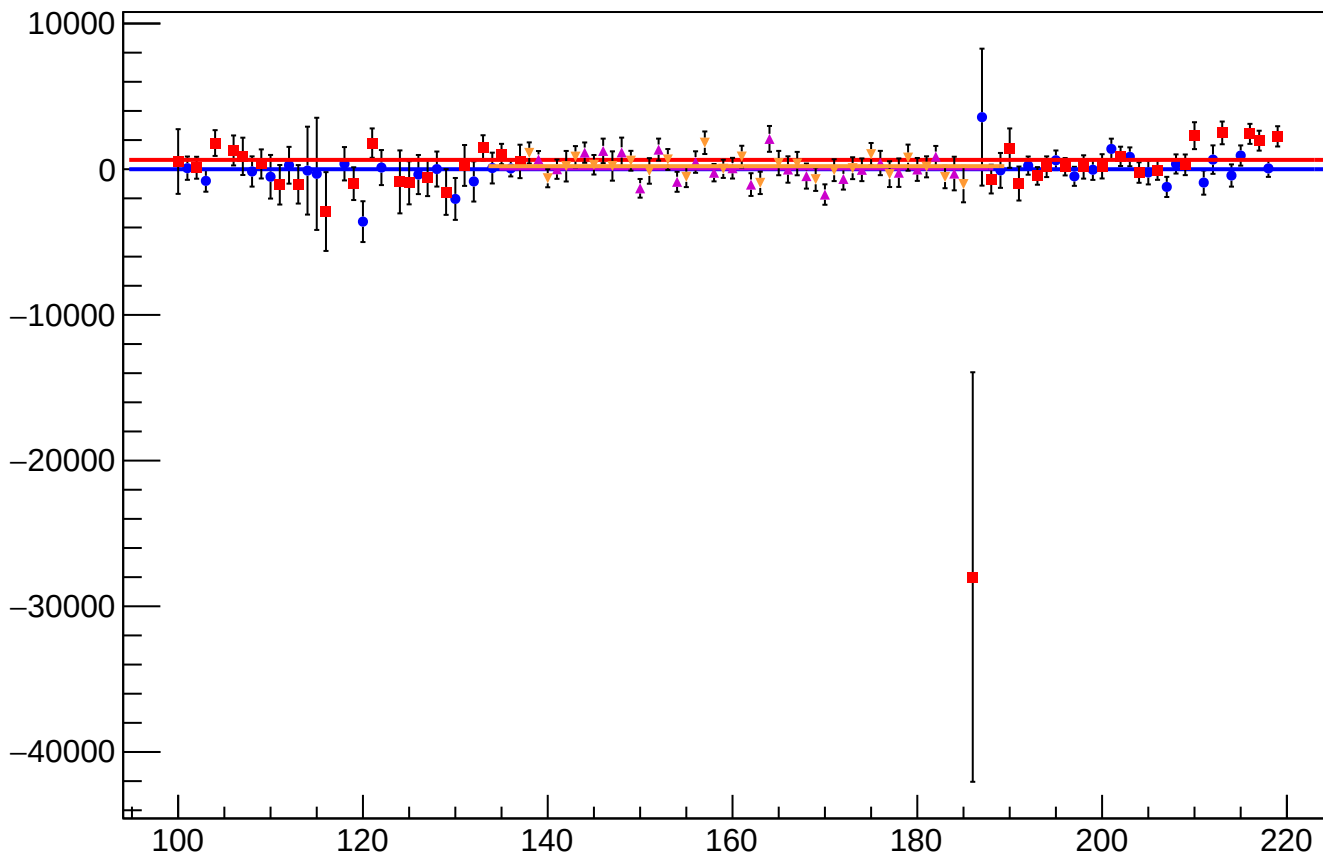
Left In: 114.677+/-0.019 χ^2/NDF : 409929.2/22

+ sign 103.105+/-0.012 χ^2/NDF : 1218424.6/56

All: 103.020+/-0.008 χ^2/NDF : 2939201.6/116

- sign 102.936+/-0.012 χ^2/NDF : 1720671.8/59

asym_sam_15_dd_eigen_dit_correction_mean vs Slug



Right In: -0.947 ± 151.727 χ^2/NDF : 25.6/31

Left Out: 209.377 ± 153.926 χ^2/NDF : 18.9/24

Right Out: 640.044 ± 147.985 χ^2/NDF : 57.9/36

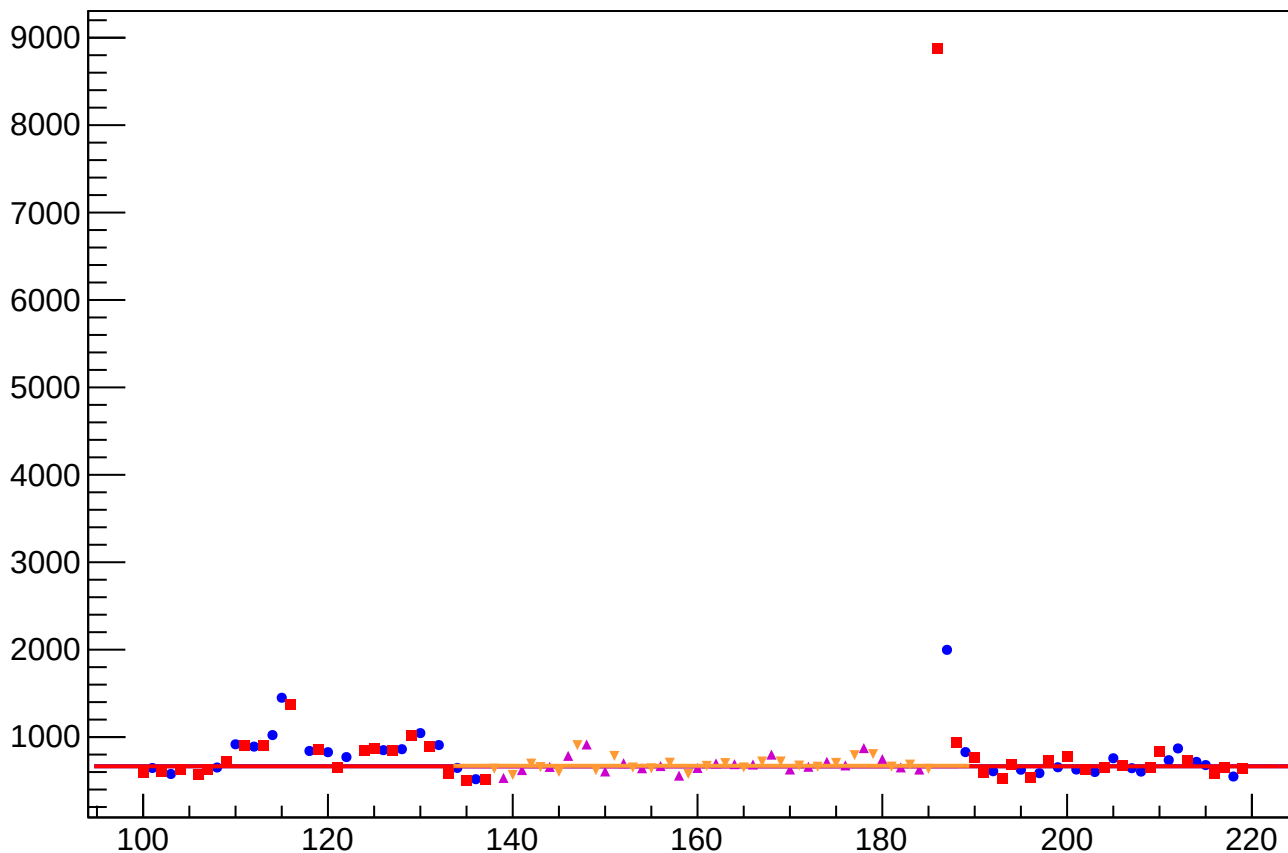
Left In: 50.267 ± 157.485 χ^2/NDF : 33.3/22

+ sign 102.702 ± 108.056 χ^2/NDF : 45.5/56

All: 233.347 ± 76.332 χ^2/NDF : 147.0/116

- sign 363.479 ± 107.844 χ^2/NDF : 98.7/59

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 666.346 $\pm$ 0.107 χ^2 /NDF: 1298037.5/31

Left Out: 671.849 $\pm$ 0.109 χ^2 /NDF: 399160.3/24

Right Out: 665.783 $\pm$ 0.105 χ^2 /NDF: 2001485.6/36

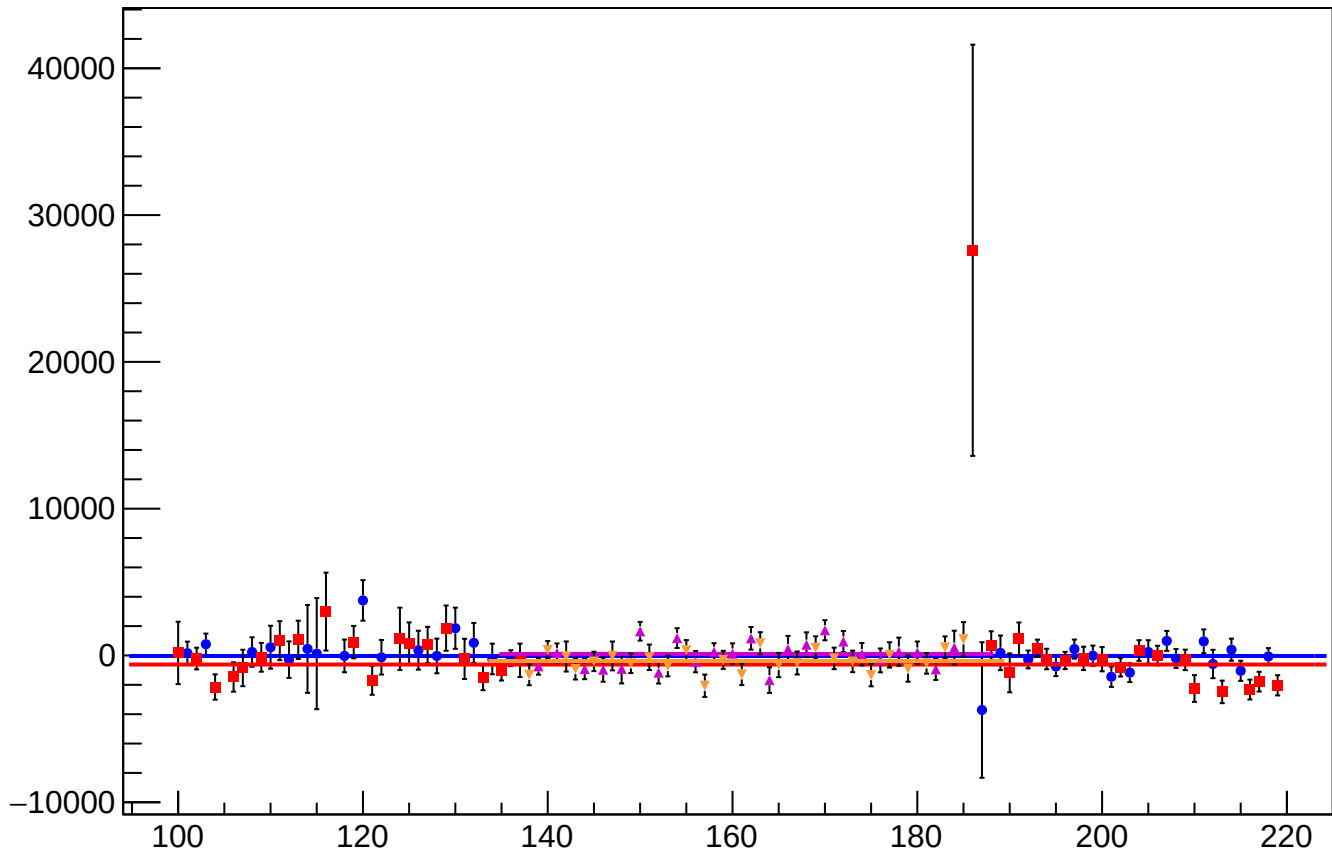
Left In: 667.342 $\pm$ 0.111 χ^2 /NDF: 546905.8/22

+ sign 669.058 $\pm$ 0.076 χ^2 /NDF: 1698494.2/56

All: 667.783 $\pm$ 0.054 χ^2 /NDF: 4247545.3/116

- sign 666.514 $\pm$ 0.076 χ^2 /NDF: 2548495.5/59

asym_sam_15_dd_mean vs Slug



Right In: -34.477 ± 149.063 χ^2/NDF : 28.2/31

Left Out: -377.221 ± 150.952 χ^2/NDF : 21.4/24

Right Out: -617.047 ± 145.216 χ^2/NDF : 58.4/36

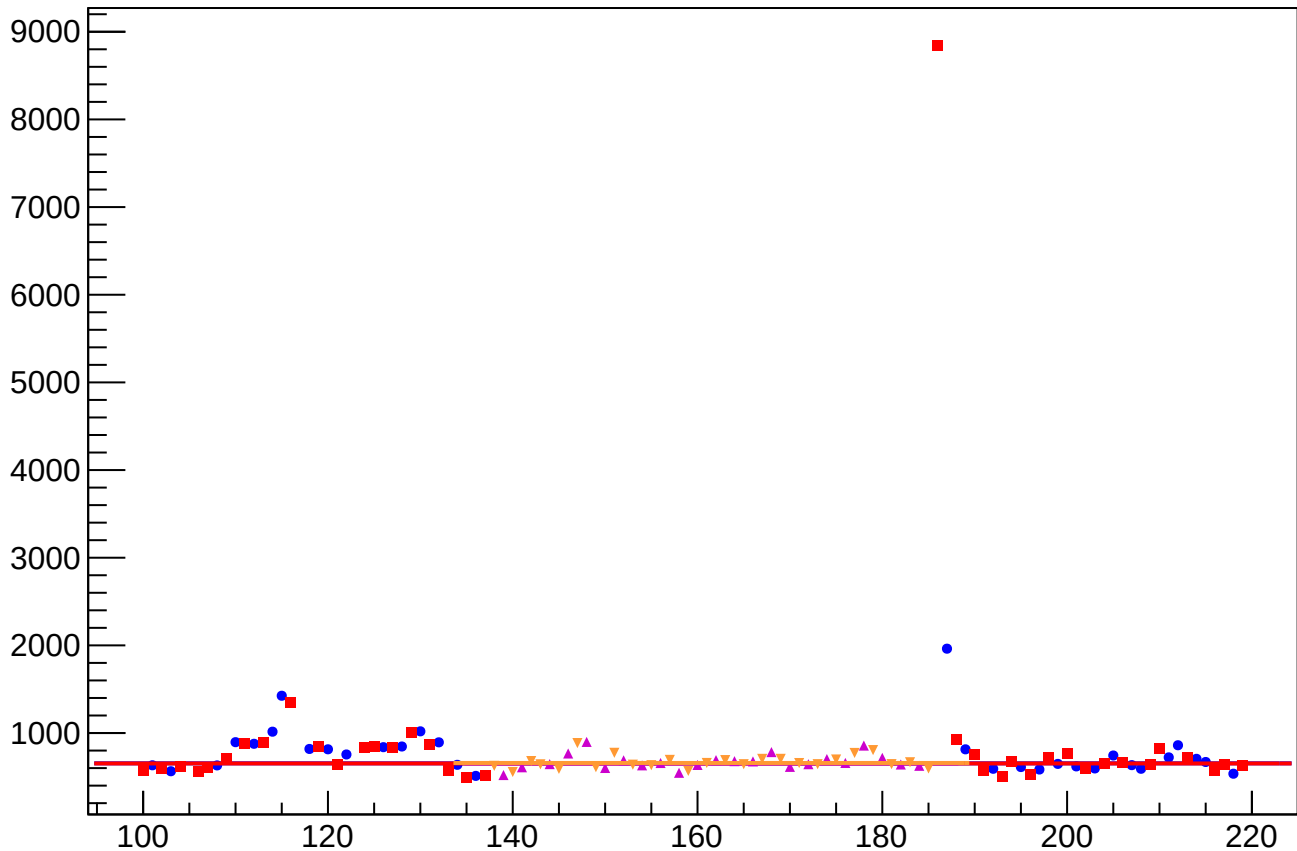
Left In: 103.321 ± 154.335 χ^2/NDF : 35.5/22

+ sign -203.691 ± 106.065 χ^2/NDF : 52.2/56

All: -241.340 ± 74.891 χ^2/NDF : 157.9/116

- sign -278.773 ± 105.760 χ^2/NDF : 105.5/59

asym_sam_15_dd_rms vs Slug



Right In: 654.507 $\pm$ 0.105 χ^2 /NDF: 1298188.1/31

Left Out: 658.672 $\pm$ 0.107 χ^2 /NDF: 409684.4/24

Right Out: 652.907 $\pm$ 0.103 χ^2 /NDF: 2041485.4/36

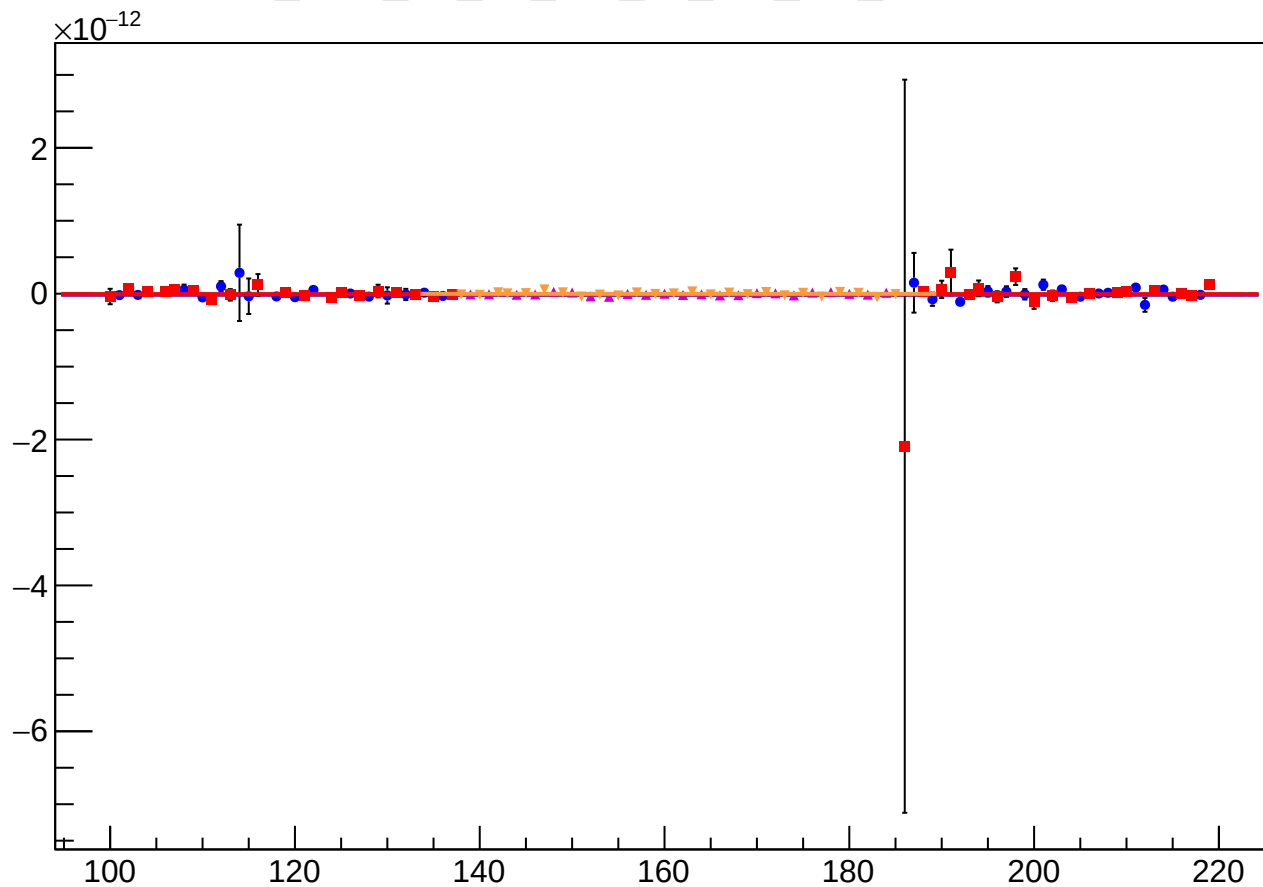
Left In: 653.950 $\pm$ 0.109 χ^2 /NDF: 542078.1/22

+ sign 656.563 $\pm$ 0.075 χ^2 /NDF: 1708643.4/56

All: 654.976 $\pm$ 0.053 χ^2 /NDF: 4293149.1/116

- sign 653.397 $\pm$ 0.075 χ^2 /NDF: 2583611.9/59

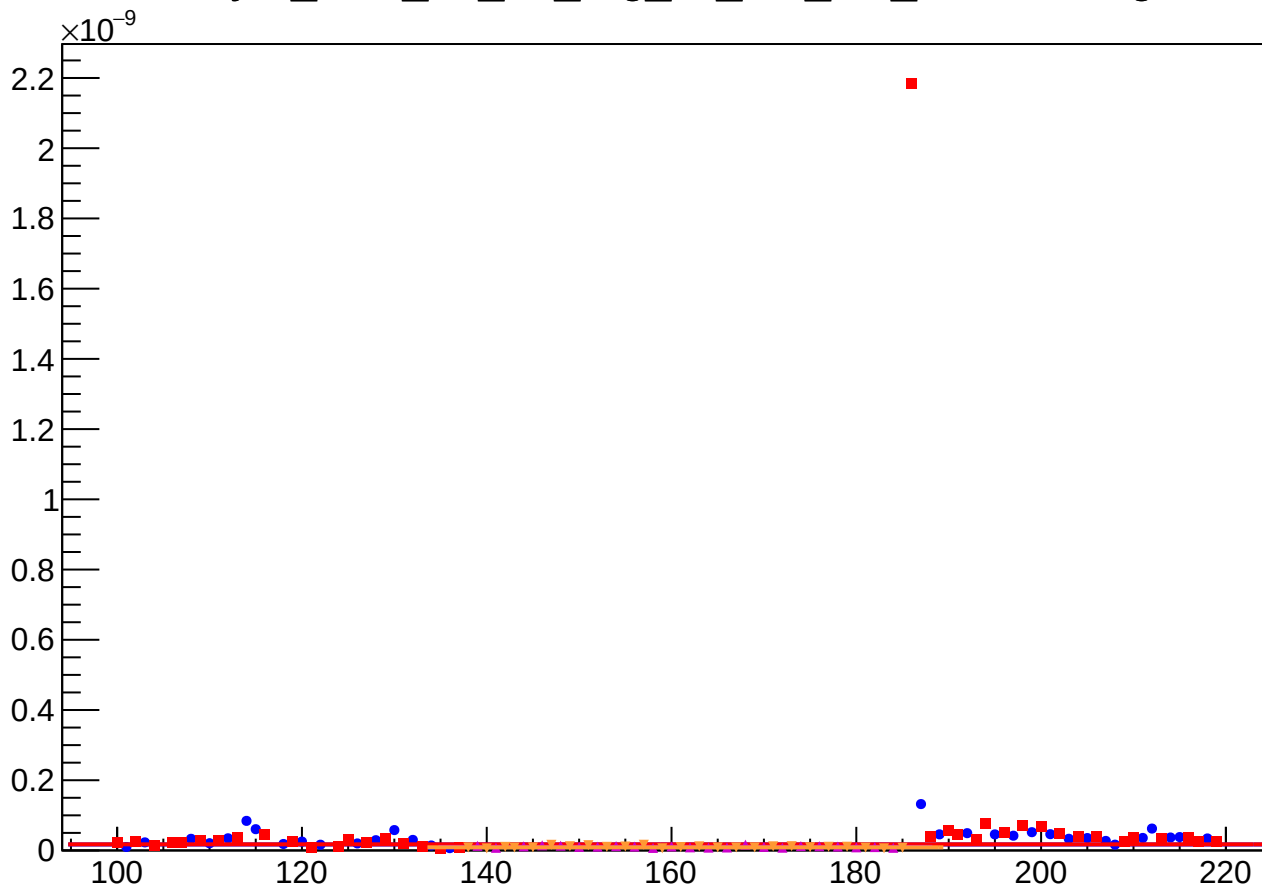
asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.0/31
 Left Out: -0.000 ± 0.000 χ^2/NDF : 31.8/24
 Right Out: -0.000 ± 0.000 χ^2/NDF : 38.2/36
 Left In: -0.000 ± 0.000 χ^2/NDF : 15.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 63.2/56
 All: -0.000 ± 0.000 χ^2/NDF : 117.5/116
 - sign -0.000 ± 0.000 χ^2/NDF : 53.9/59

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7363398.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8176186.8/36

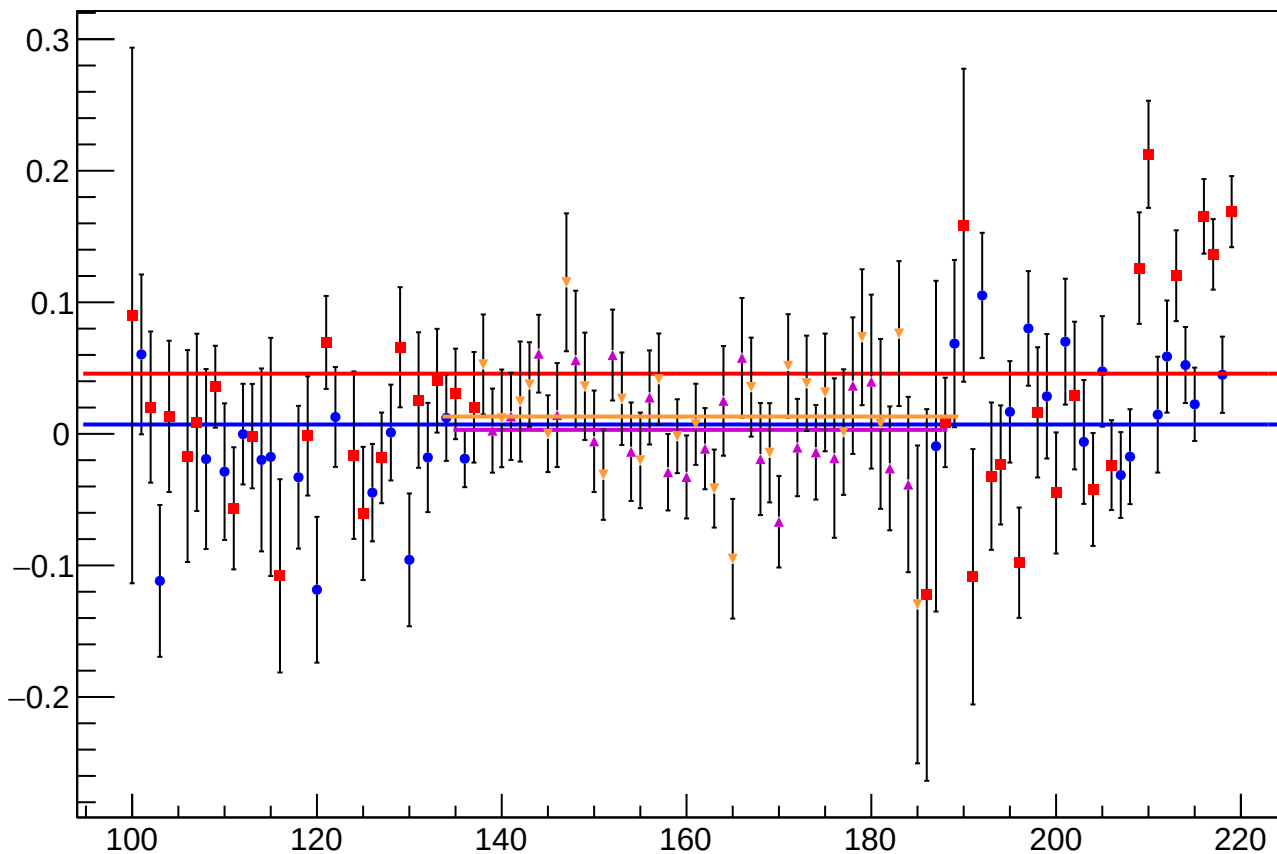
Left In: 0.000+/-0.000 χ^2/NDF : 659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 10610082.7/56

All: 0.000+/-0.000 χ^2/NDF : 21320881.5/116

- sign 0.000+/-0.000 χ^2/NDF : 10526981.7/59

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.007 χ^2/NDF : 38.4/31

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.046 ± 0.007 χ^2/NDF : 133.2/36

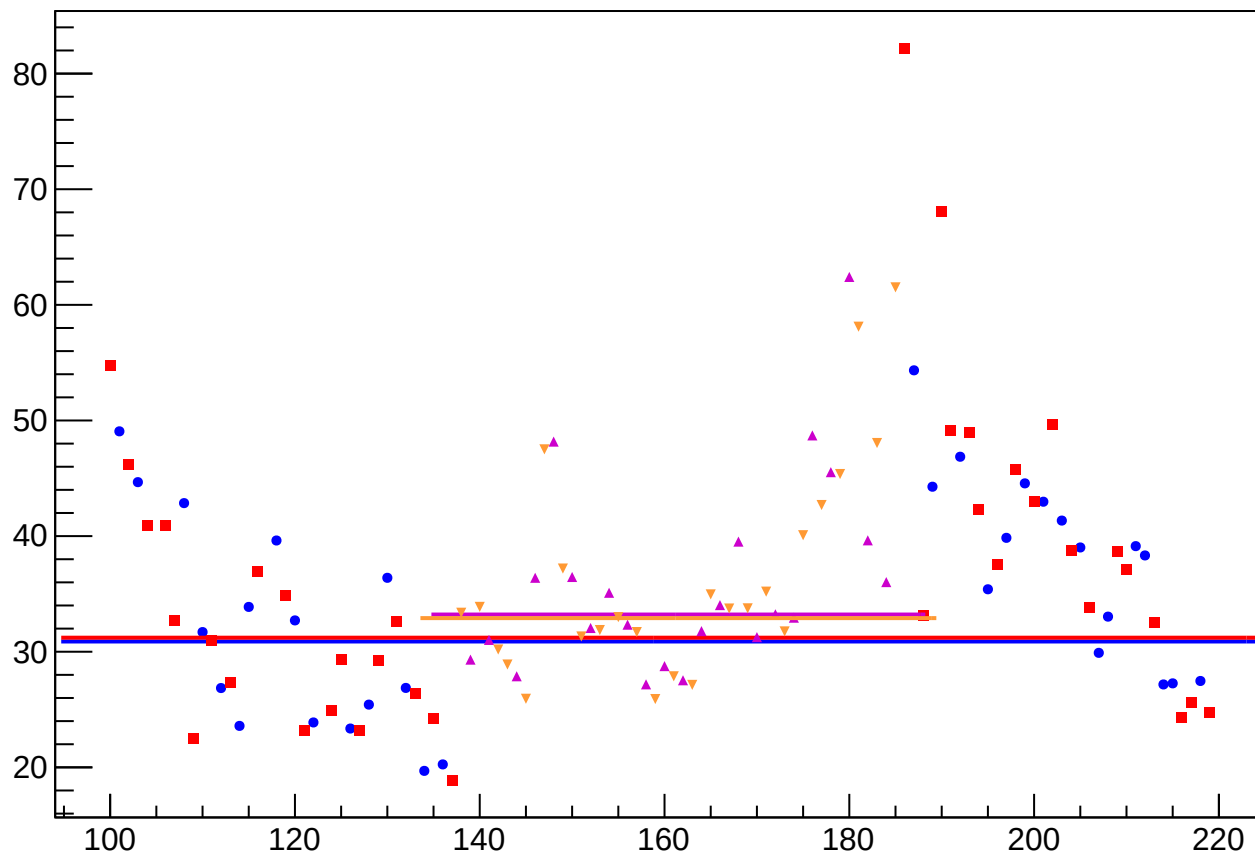
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.010 ± 0.005 χ^2/NDF : 64.1/56

All: 0.018 ± 0.004 χ^2/NDF : 237.9/116

- sign 0.027 ± 0.005 χ^2/NDF : 168.5/59

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.886 ± 0.005 $\chi^2/\text{NDF}: 2608925.8/31$

Left Out: 32.907 ± 0.005 $\chi^2/\text{NDF}: 1427924.1/24$

Right Out: 31.214 ± 0.005 $\chi^2/\text{NDF}: 2885179.6/36$

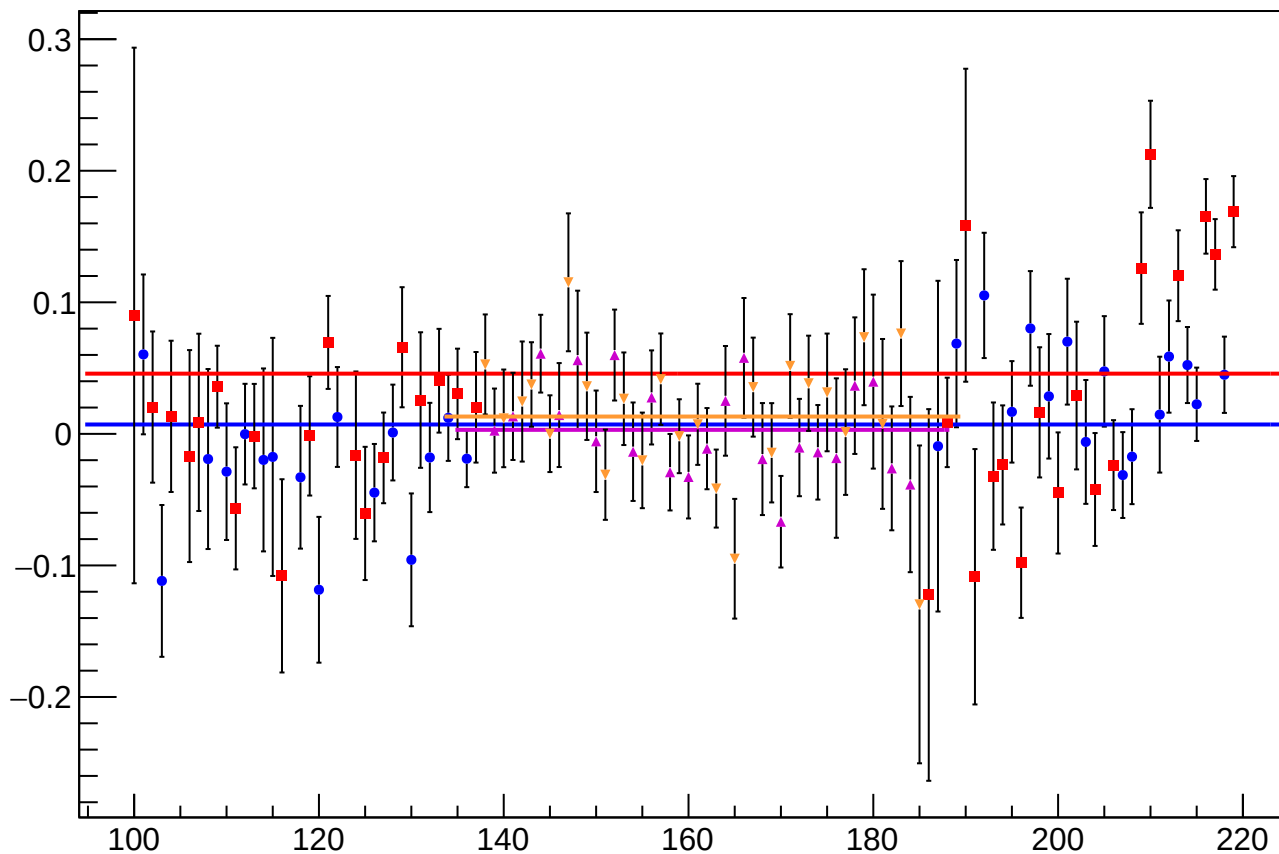
Left In: 33.217 ± 0.006 $\chi^2/\text{NDF}: 1221447.0/22$

+ sign 31.830 ± 0.004 $\chi^2/\text{NDF}: 4110688.7/56$

All: 31.962 ± 0.003 $\chi^2/\text{NDF}: 8290673.8/116$

- sign 32.095 ± 0.004 $\chi^2/\text{NDF}: 4177444.6/59$

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.007 $\chi^2/\text{NDF}: 38.4/31$

Left Out: 0.013 ± 0.008 $\chi^2/\text{NDF}: 25.4/24$

Right Out: 0.046 ± 0.007 $\chi^2/\text{NDF}: 133.2/36$

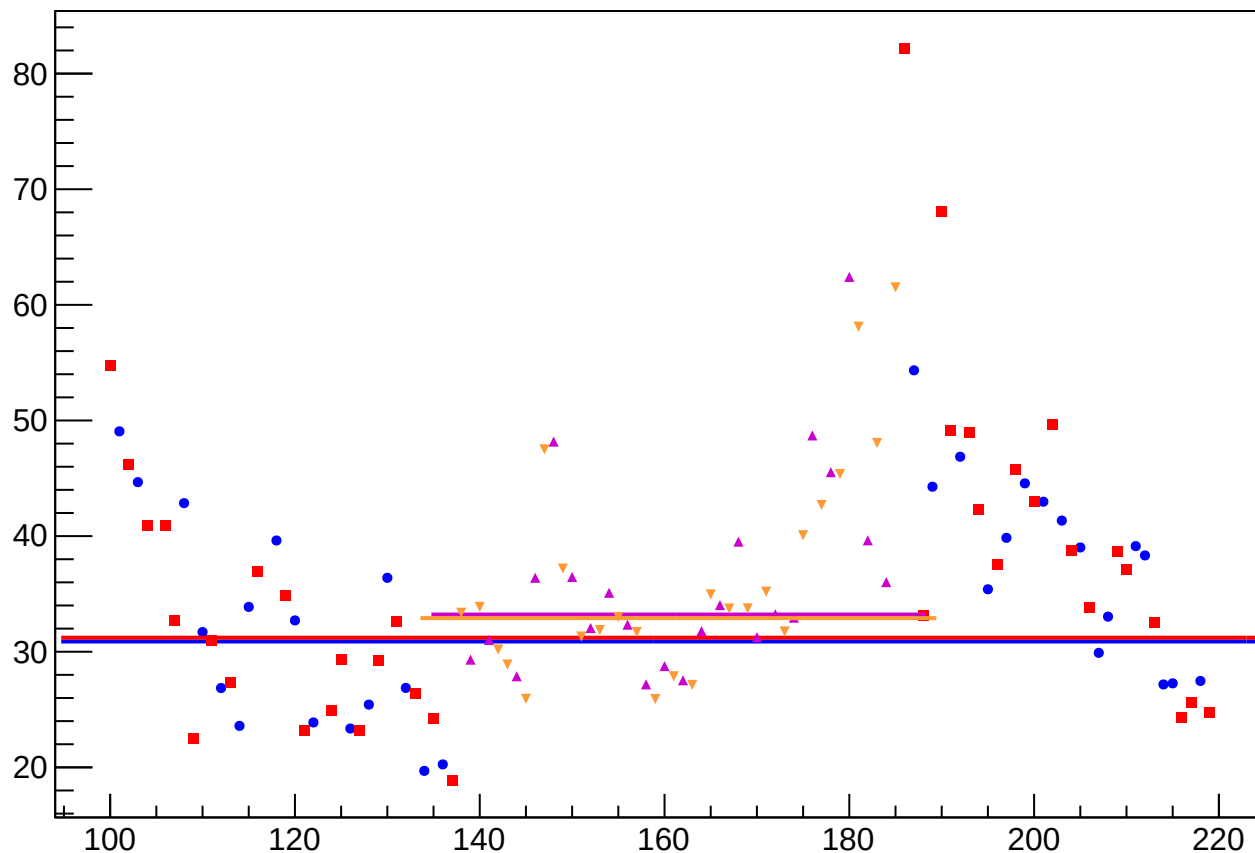
Left In: 0.003 ± 0.008 $\chi^2/\text{NDF}: 19.2/22$

+ sign 0.010 ± 0.005 $\chi^2/\text{NDF}: 64.1/56$

All: 0.018 ± 0.004 $\chi^2/\text{NDF}: 237.9/116$

- sign 0.027 ± 0.005 $\chi^2/\text{NDF}: 168.5/59$

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.886 $\pm$ 0.005 χ^2/NDF : 2608925.8/31

Left Out: 32.907 $\pm$ 0.005 χ^2/NDF : 1427924.1/24

Right Out: 31.214 $\pm$ 0.005 χ^2/NDF : 2885179.6/36

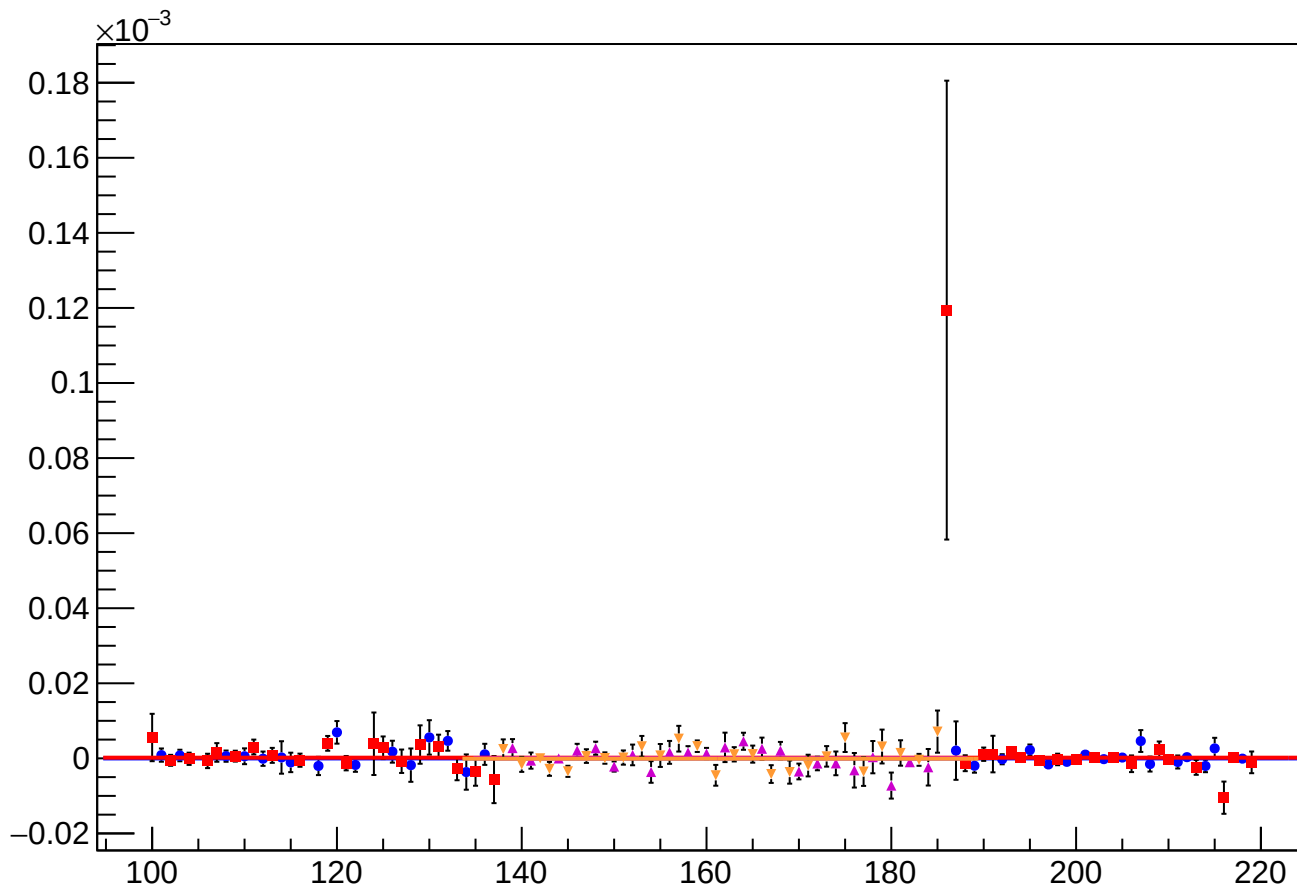
Left In: 33.217 $\pm$ 0.006 χ^2/NDF : 1221447.0/22

+ sign 31.830 $\pm$ 0.004 χ^2/NDF : 4110688.7/56

All: 31.962 $\pm$ 0.003 χ^2/NDF : 8290673.8/116

- sign 32.095 $\pm$ 0.004 χ^2/NDF : 4177444.6/59

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.4/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 31.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 31.3/36

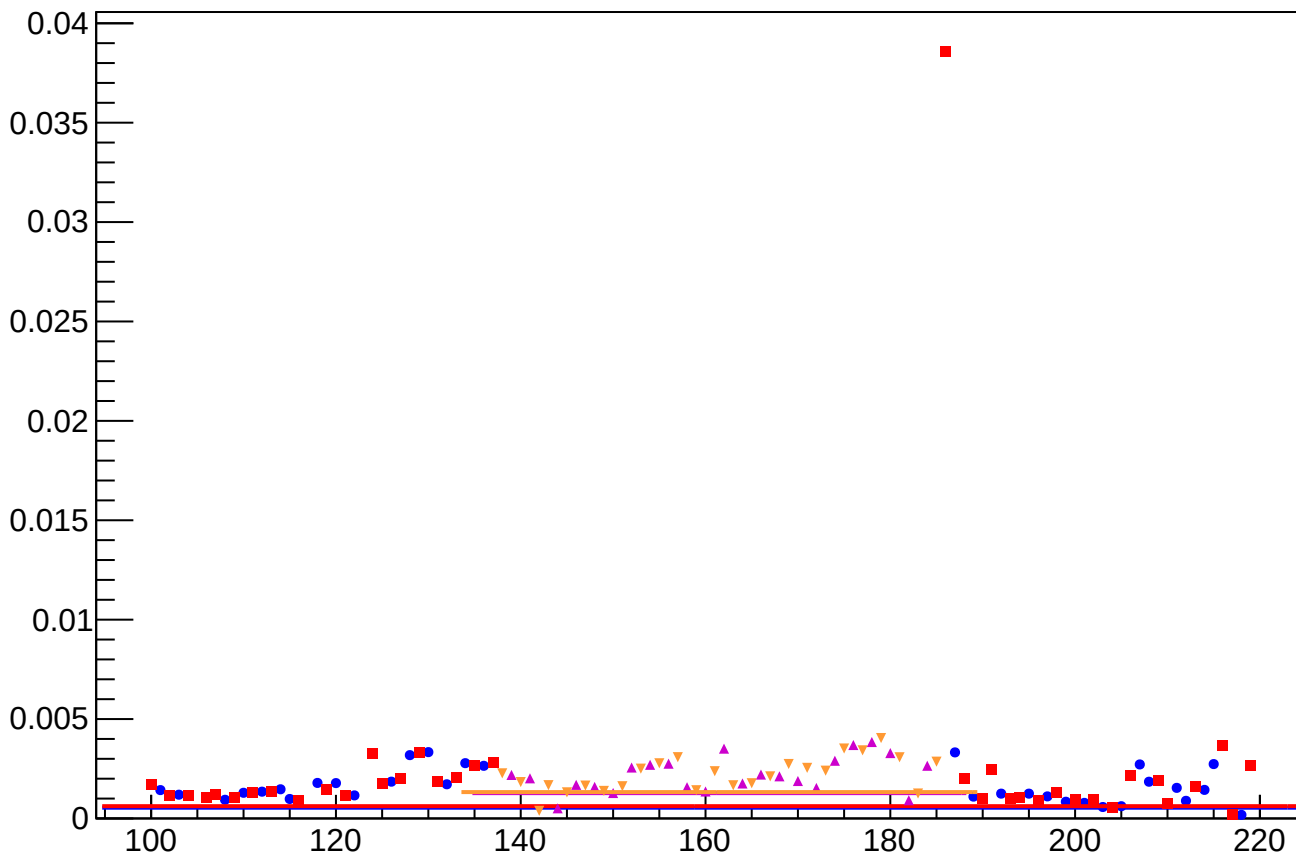
Left In: 0.000 ± 0.000 χ^2/NDF : 27.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 58.4/56

All: 0.000 ± 0.000 χ^2/NDF : 117.4/116

- sign 0.000 ± 0.000 χ^2/NDF : 58.4/59

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 18306507.7/31

Left Out: 0.001+/-0.000 χ^2/NDF : 11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF : 18252686.2/36

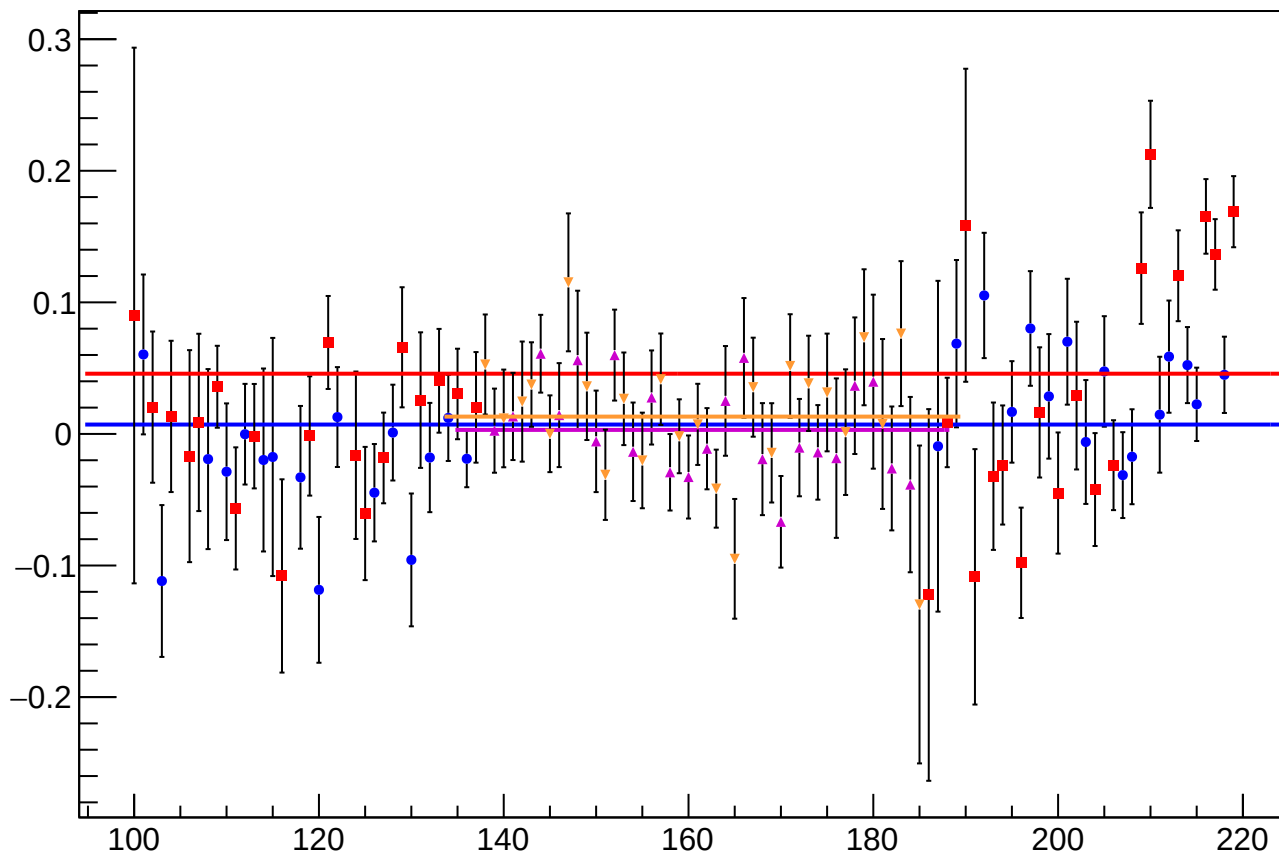
Left In: 0.001+/-0.000 χ^2/NDF : 9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF : 36900066.3/56

All: 0.001+/-0.000 χ^2/NDF : 70584563.7/116

- sign 0.001+/-0.000 χ^2/NDF : 33503113.3/59

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.007 χ^2/NDF : 38.4/31

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.046 ± 0.007 χ^2/NDF : 133.2/36

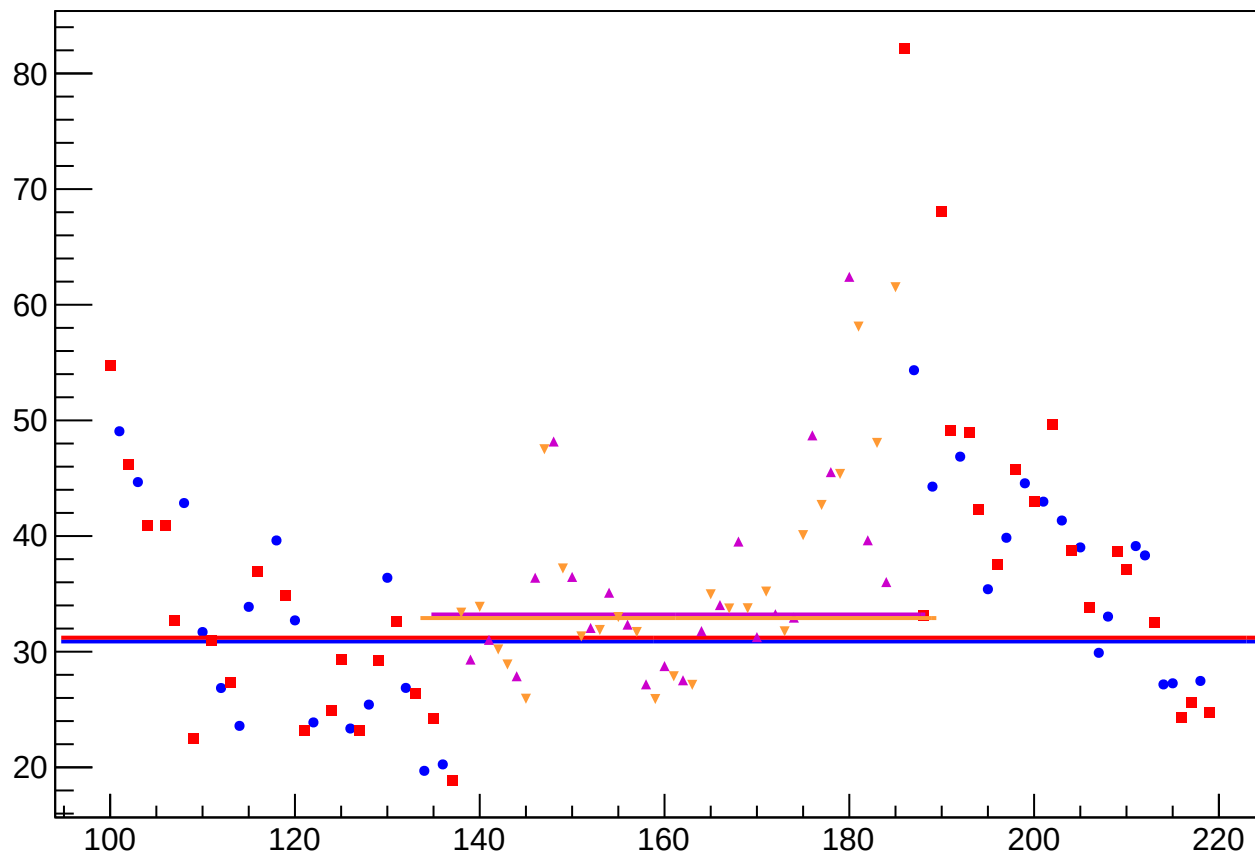
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.010 ± 0.005 χ^2/NDF : 64.1/56

All: 0.018 ± 0.004 χ^2/NDF : 237.9/116

- sign 0.027 ± 0.005 χ^2/NDF : 168.5/59

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.886 $\pm$ 0.005 χ^2 /NDF: 2609098.5/31

Left Out: 32.907 $\pm$ 0.005 χ^2 /NDF: 1427993.7/24

Right Out: 31.213 $\pm$ 0.005 χ^2 /NDF: 2885512.2/36

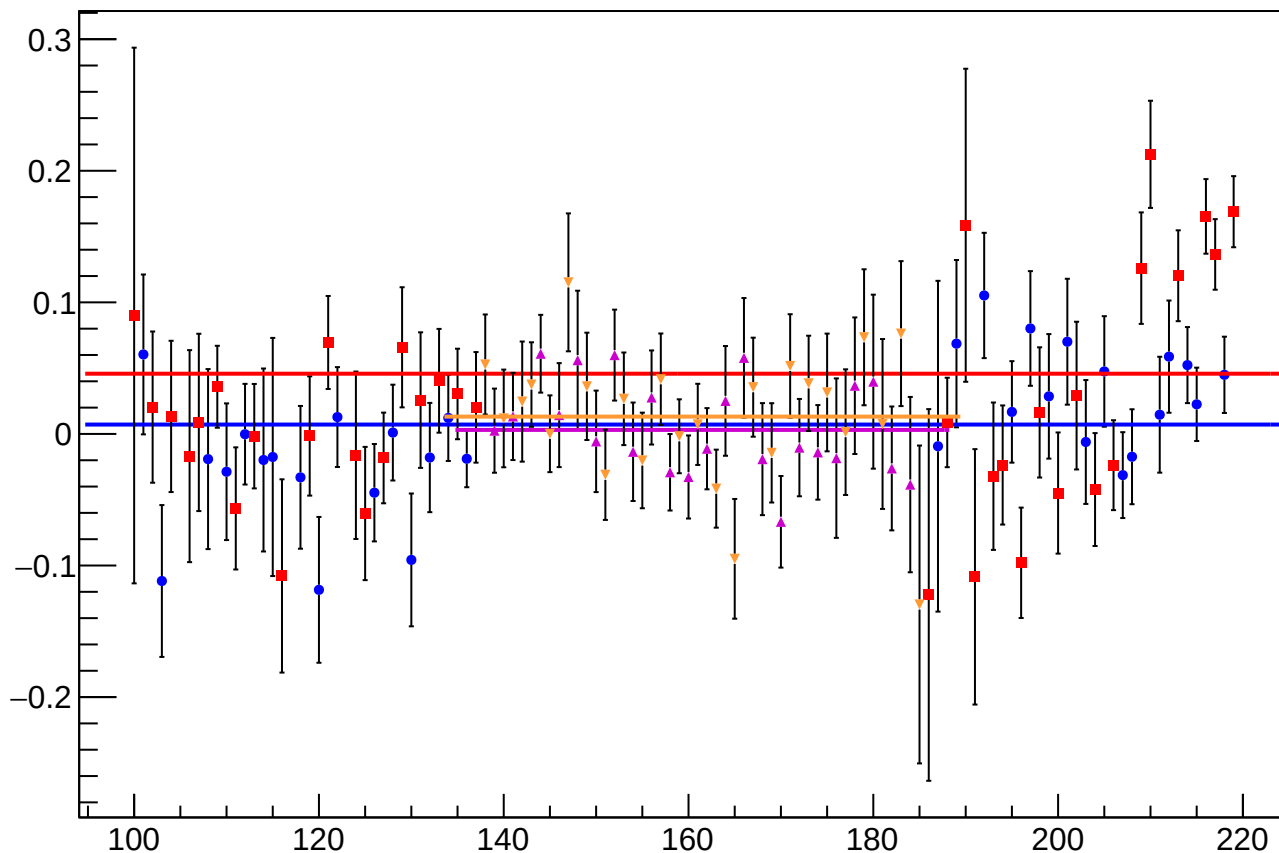
Left In: 33.217 $\pm$ 0.006 χ^2 /NDF: 1221516.5/22

+ sign 31.830 $\pm$ 0.004 χ^2 /NDF: 4110973.7/56

All: 31.961 $\pm$ 0.003 χ^2 /NDF: 8291432.1/116

- sign 32.095 $\pm$ 0.004 χ^2 /NDF: 4177921.6/59

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 $\pm$ 0.007 χ^2 /NDF: 38.4/31

Left Out: 0.013 $\pm$ 0.008 χ^2 /NDF:25.4/24

Right Out: 0.046 $\pm$ 0.007 χ^2 /NDF: 133.2/36

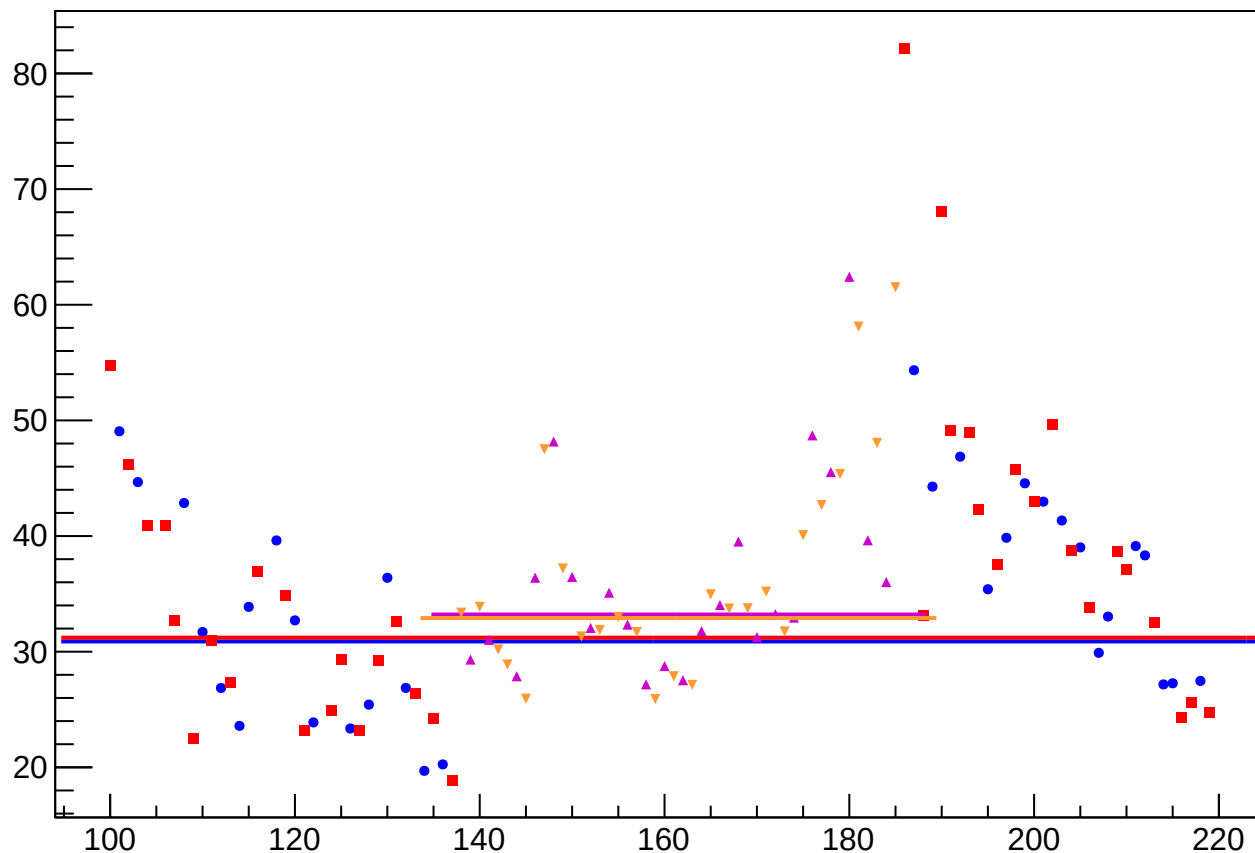
Left In: 0.003 $\pm$ 0.008 χ^2 /NDF:19.2/22

+ sign 0.010 $\pm$ 0.005 χ^2 /NDF: 64.1/56

All: 0.018 $\pm$ 0.004 χ^2 /NDF: 237.9/116

- sign 0.027 $\pm$ 0.005 χ^2 /NDF: 168.5/59

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.886 $\pm$ 0.005 χ^2 /NDF: 2609098.5/31

Left Out: 32.907 $\pm$ 0.005 χ^2 /NDF: 1427993.7/24

Right Out: 31.213 $\pm$ 0.005 χ^2 /NDF: 2885512.2/36

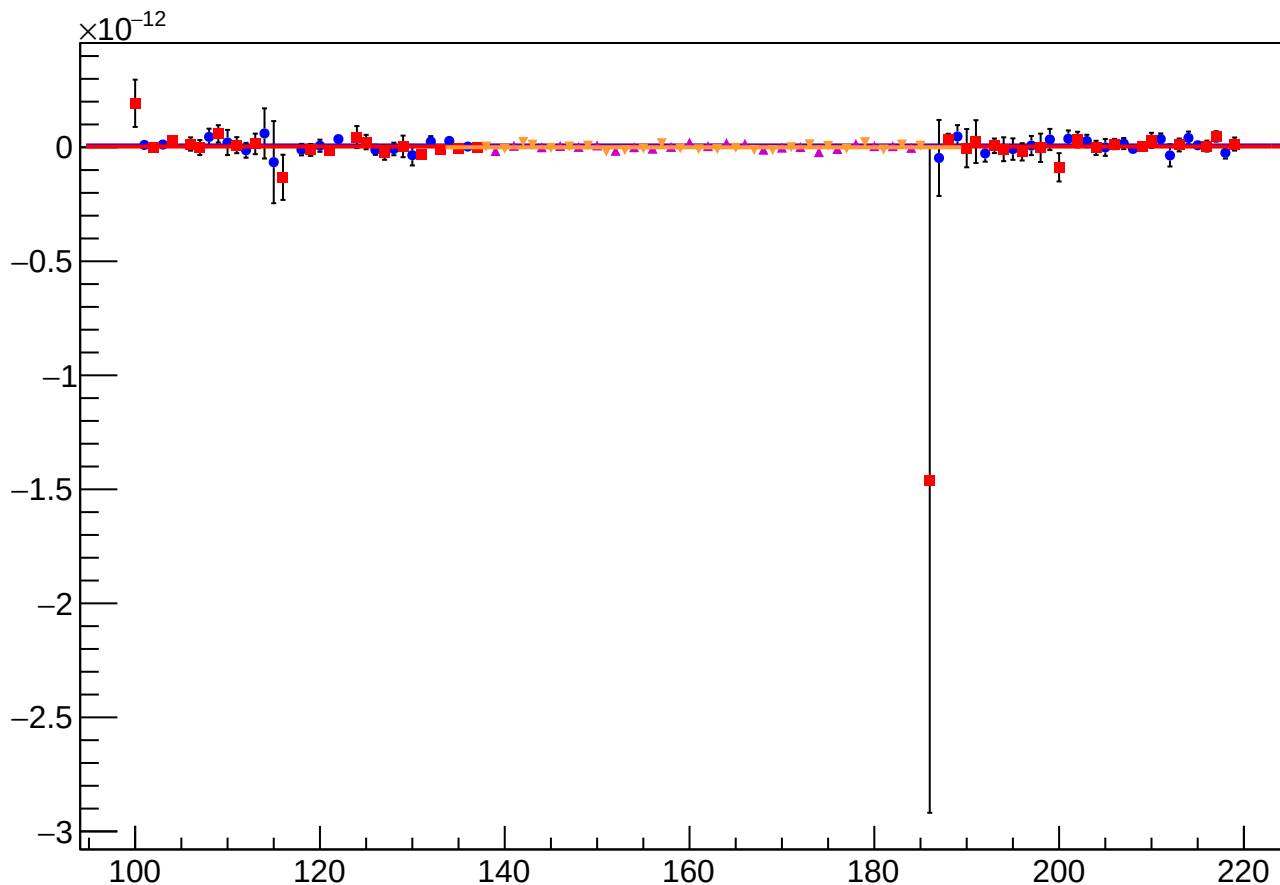
Left In: 33.217 $\pm$ 0.006 χ^2 /NDF: 1221516.5/22

+ sign 31.830 $\pm$ 0.004 χ^2 /NDF: 4110973.7/56

All: 31.961 $\pm$ 0.003 χ^2 /NDF: 8291432.1/116

- sign 32.095 $\pm$ 0.004 χ^2 /NDF: 4177921.6/59

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:31.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.7/36

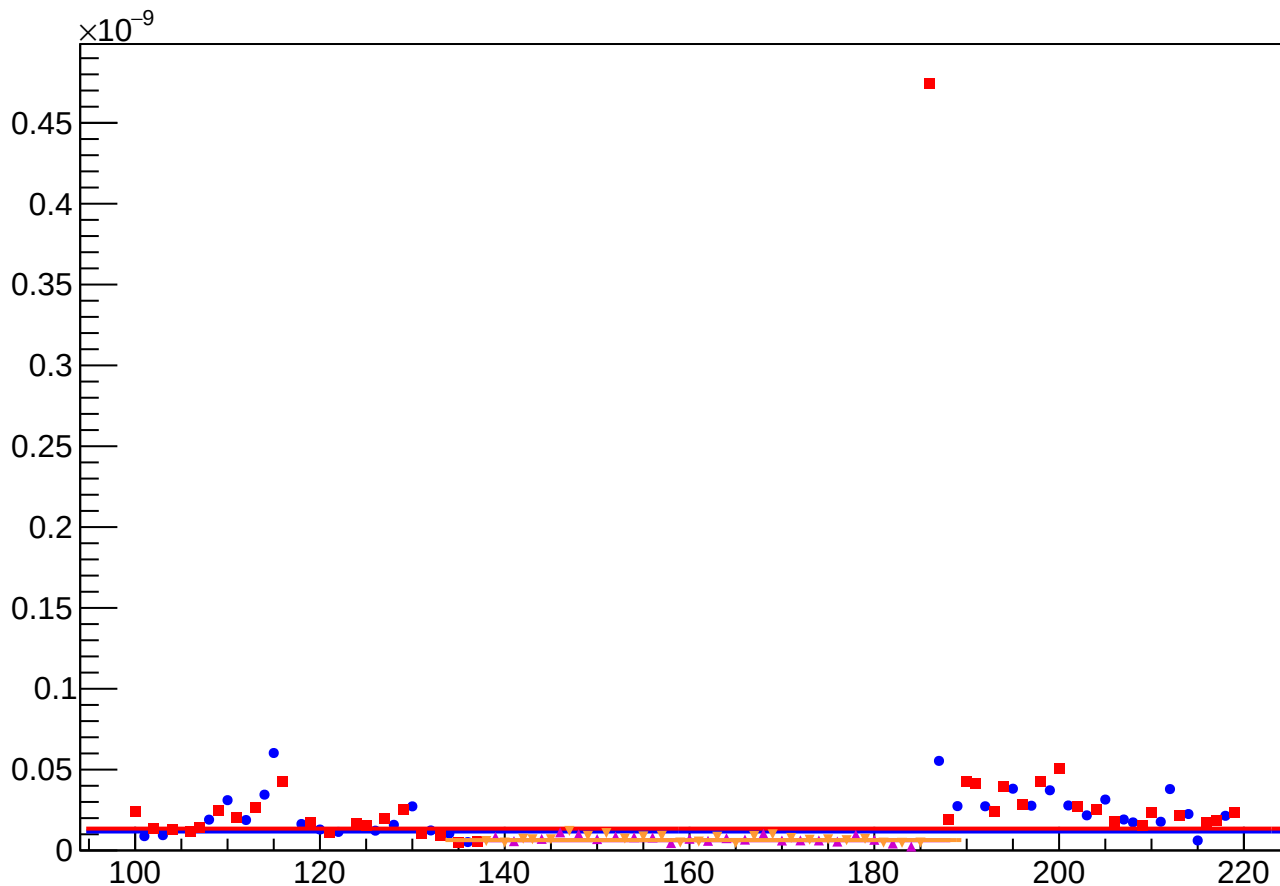
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:25.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.2/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 104.4/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.2/59

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8614307.3/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8021040.0/36

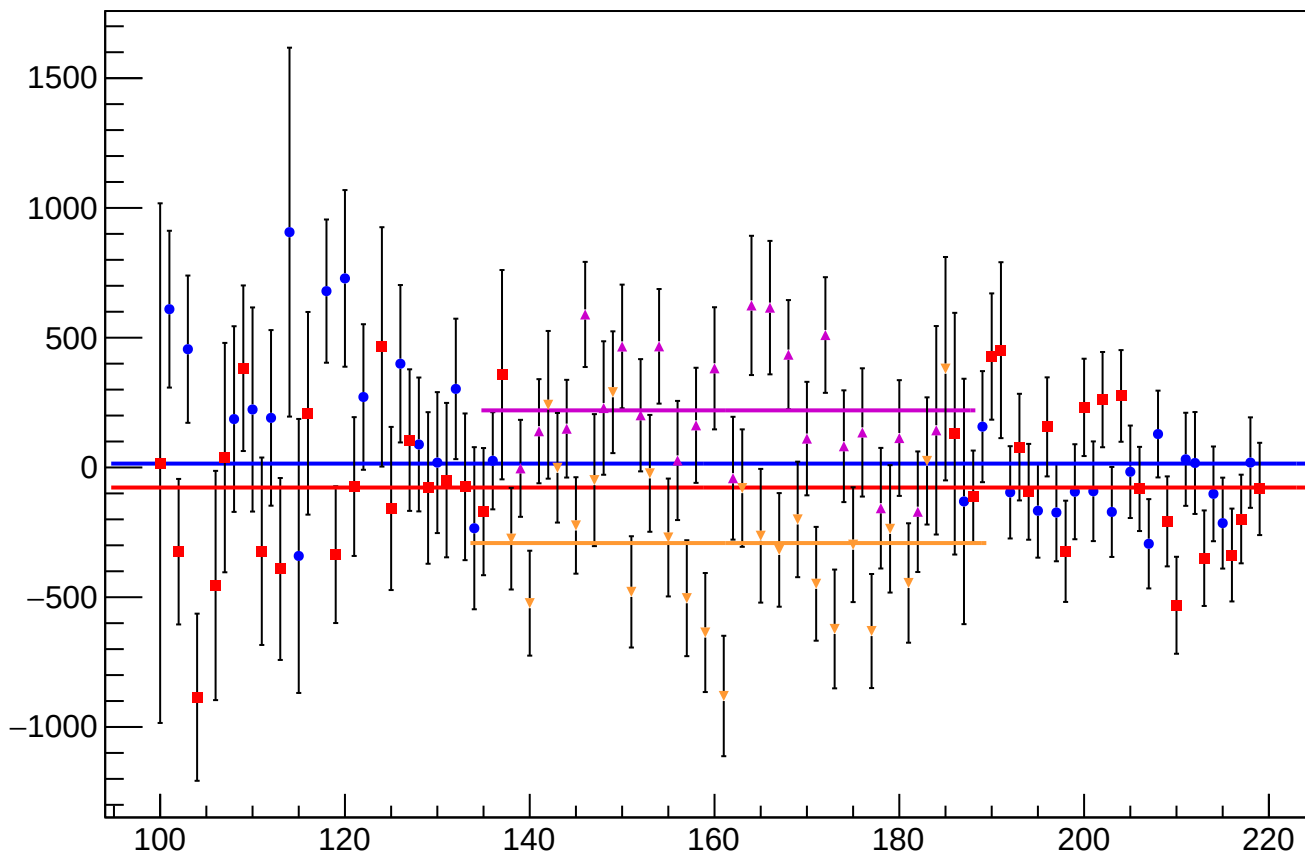
Left In: 0.000+/-0.000 χ^2/NDF : 2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 13627577.7/56

All: 0.000+/-0.000 χ^2/NDF : 28838341.1/116

- sign 0.000+/-0.000 χ^2/NDF : 15202009.6/59

reg_asym_sam_26_dd_mean vs Slug



Right In: 14.860 $\pm$ 39.557 χ^2 /NDF: 34.2/31

Left Out: -291.313 $\pm$ 45.614 χ^2 /NDF:36.4/24

Right Out: -77.343 $\pm$ 38.736 χ^2 /NDF: 48.0/36

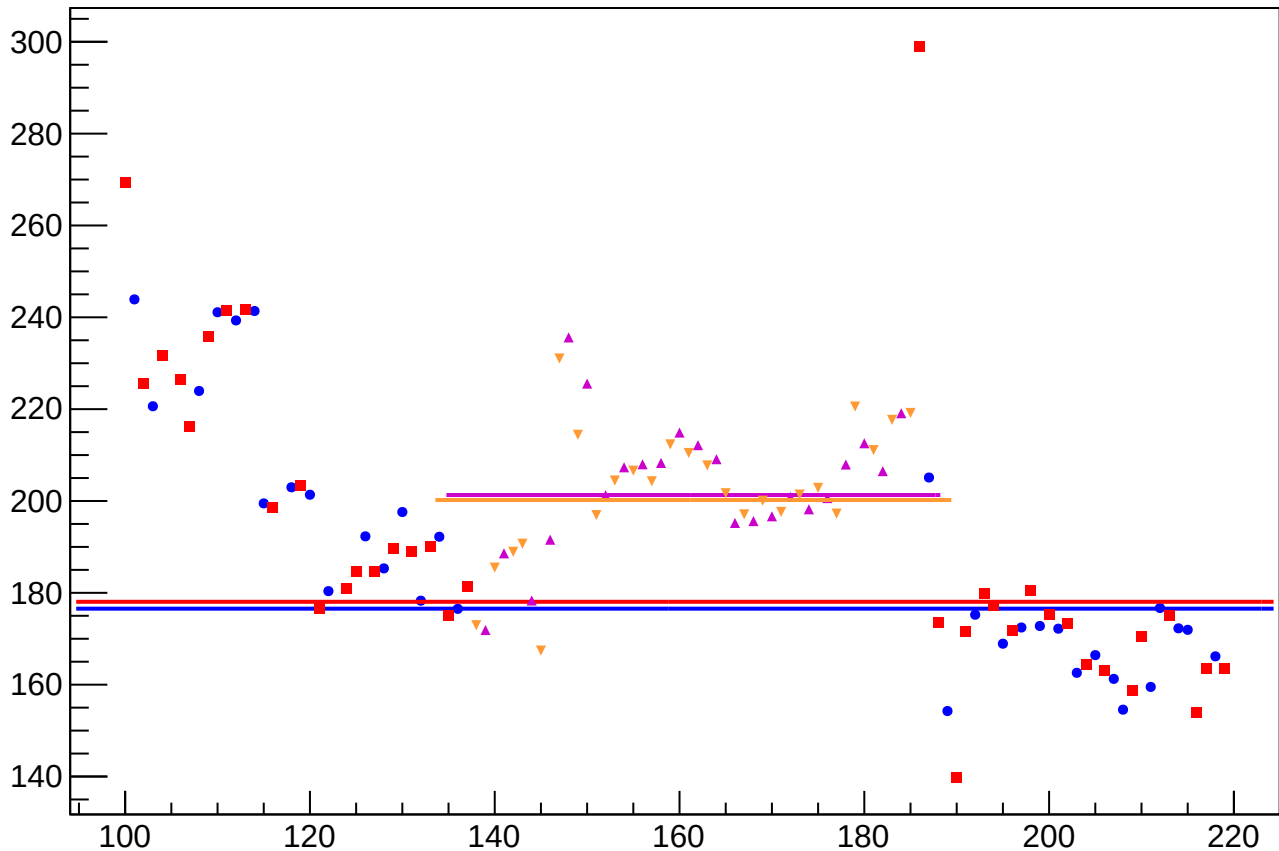
Left In: 219.974 $\pm$ 47.146 χ^2 /NDF:23.7/22

+ sign -116.565 $\pm$ 29.885 χ^2 /NDF: 96.3/56

All: -37.161 $\pm$ 21.148 χ^2 /NDF: 205.9/116

- sign 42.480 $\pm$ 29.930 χ^2 /NDF: 95.4/59

reg_asym_sam_26_dd_rms vs Slug



Right In: 176.552 $\pm$ 0.028 χ^2 /NDF: 513053.2/31

Left Out: 200.210 $\pm$ 0.032 χ^2 /NDF:204393.9/24

Right Out: 178.050 $\pm$ 0.027 χ^2 /NDF: 711348.8/36

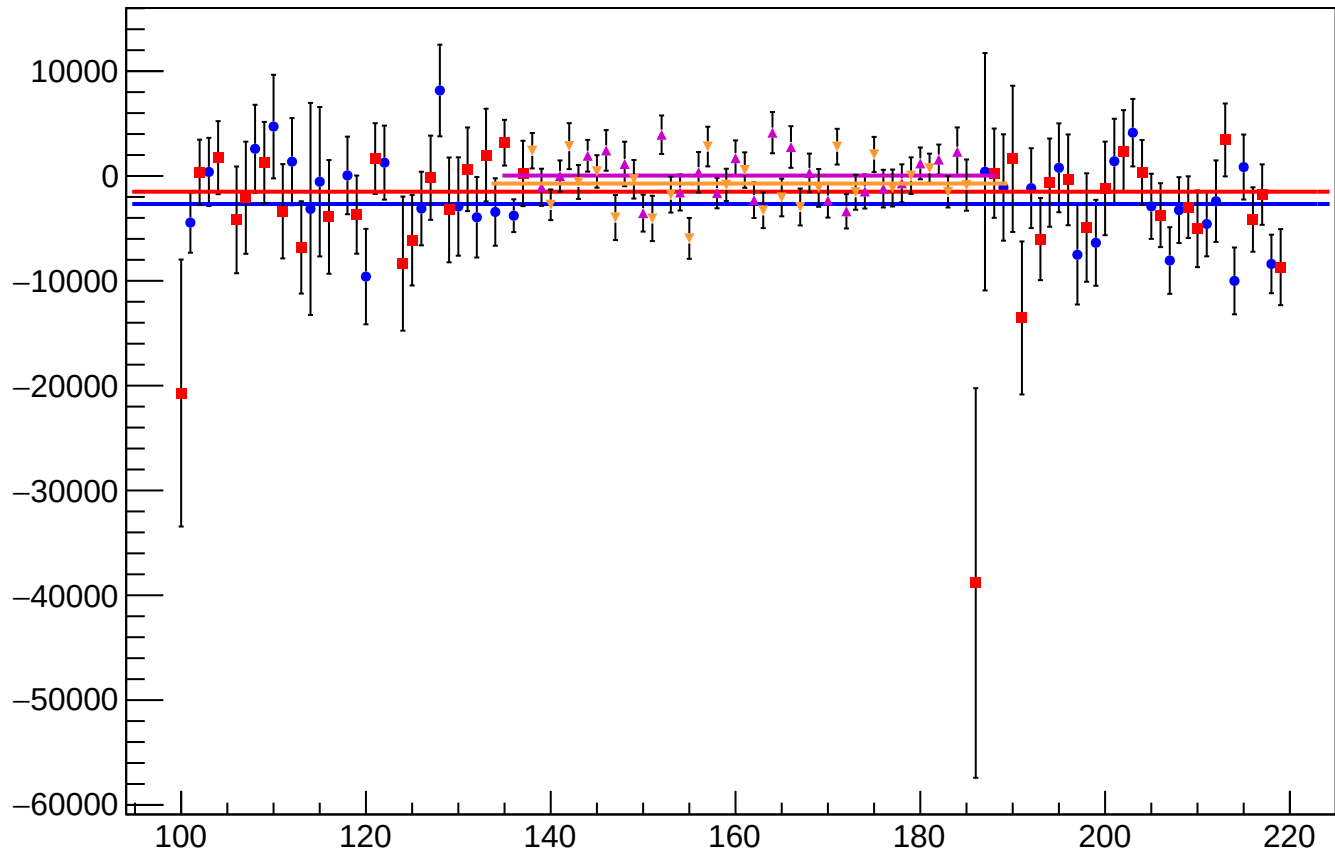
Left In: 201.297 $\pm$ 0.033 χ^2 /NDF:181646.8/22

+ sign 186.707 $\pm$ 0.021 χ^2 /NDF: 1024515.3/56

All: 187.063 $\pm$ 0.015 χ^2 /NDF: 2208375.7/116

- sign 187.419 $\pm$ 0.021 χ^2 /NDF: 1183293.5/59

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2674.317 ± 620.985 χ^2/NDF : 39.5/31

Left Out: -720.700 ± 346.376 χ^2/NDF : 38.3/24

Right Out: -1500.558 ± 639.312 χ^2/NDF : 34.5/36

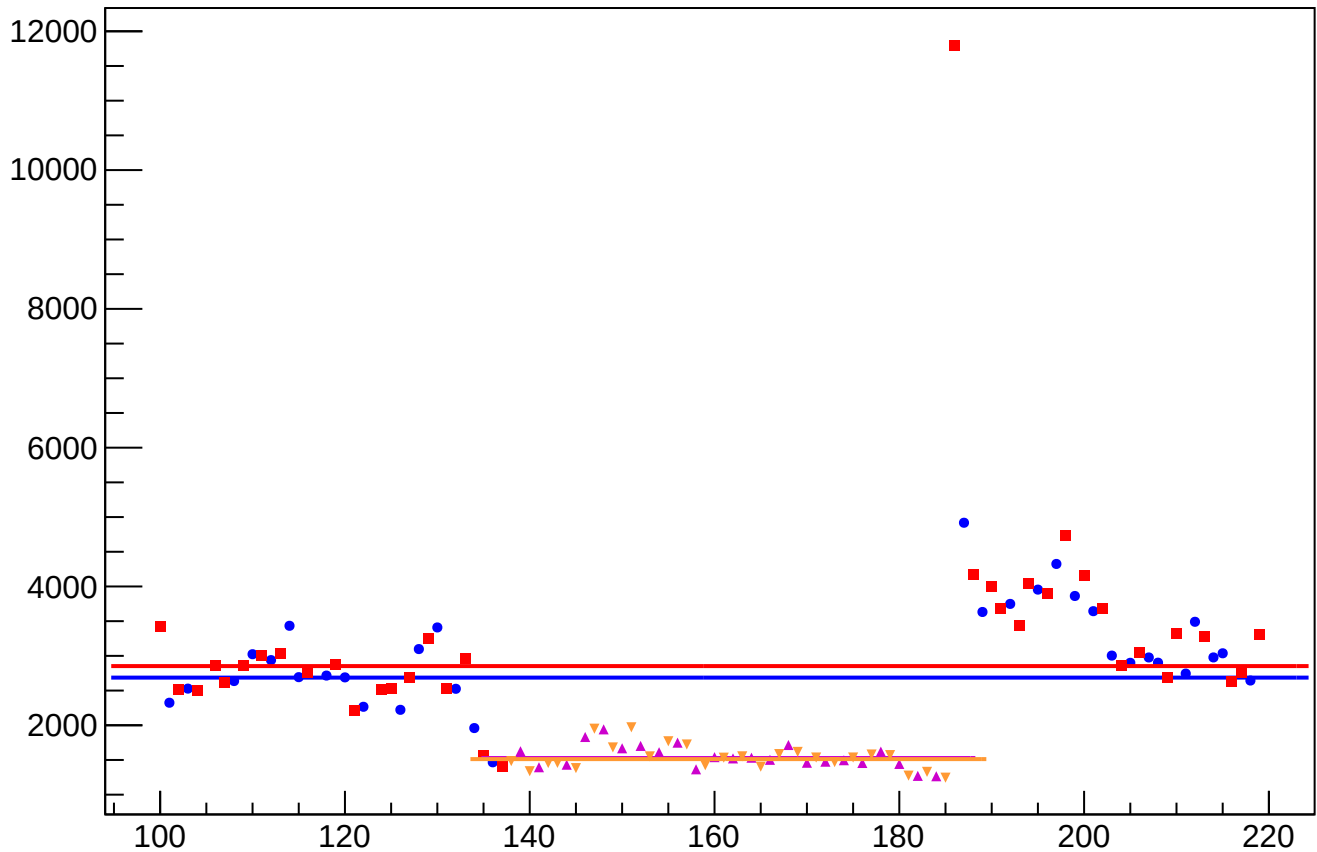
Left In: 39.277 ± 359.265 χ^2/NDF : 34.4/22

+ sign -1184.285 ± 302.500 χ^2/NDF : 85.3/56

All: -772.122 ± 217.584 χ^2/NDF : 162.5/116

- sign -330.288 ± 313.199 χ^2/NDF : 73.3/59

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2686.681+/-0.439 χ^2/NDF : 2696181.5/31

Left Out: 1512.365+/-0.245 χ^2/NDF : 442558.0/24

Right Out: 2852.728+/-0.452 χ^2/NDF : 3018171.4/36

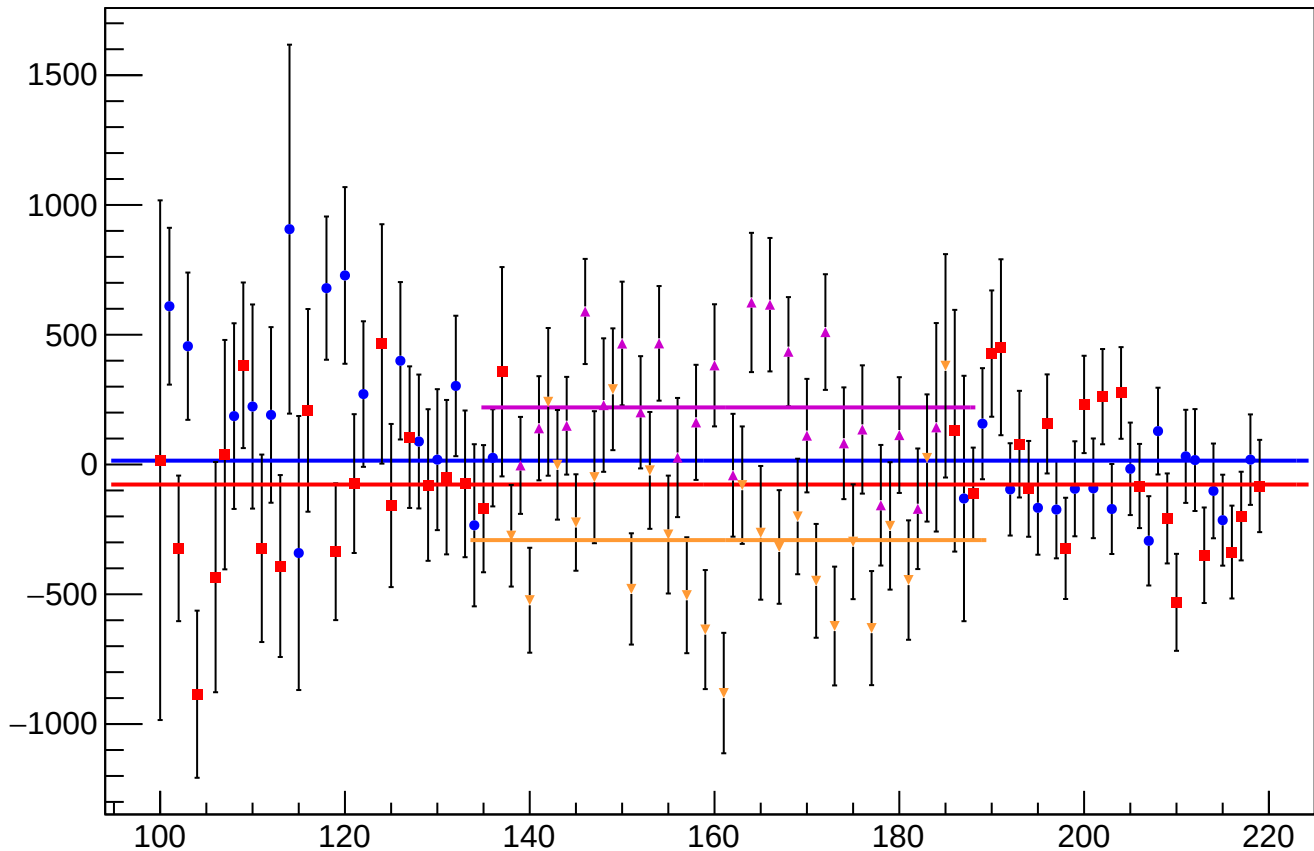
Left In: 1527.964+/-0.254 χ^2/NDF : 373844.4/22

+ sign 1791.025+/-0.214 χ^2/NDF : 8593739.2/56

All: 1817.514+/-0.154 χ^2/NDF : 18544226.4/100

- sign 1845.911+/-0.221 χ^2/NDF : 9918709.7/59

cor_asym_sam_26_dd_mean vs Slug



Right In: 14.852 ± 39.557 $\chi^2/\text{NDF}: 34.2/31$

Left Out: -291.316 ± 45.614 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -77.121 ± 38.738 $\chi^2/\text{NDF}: 47.9/36$

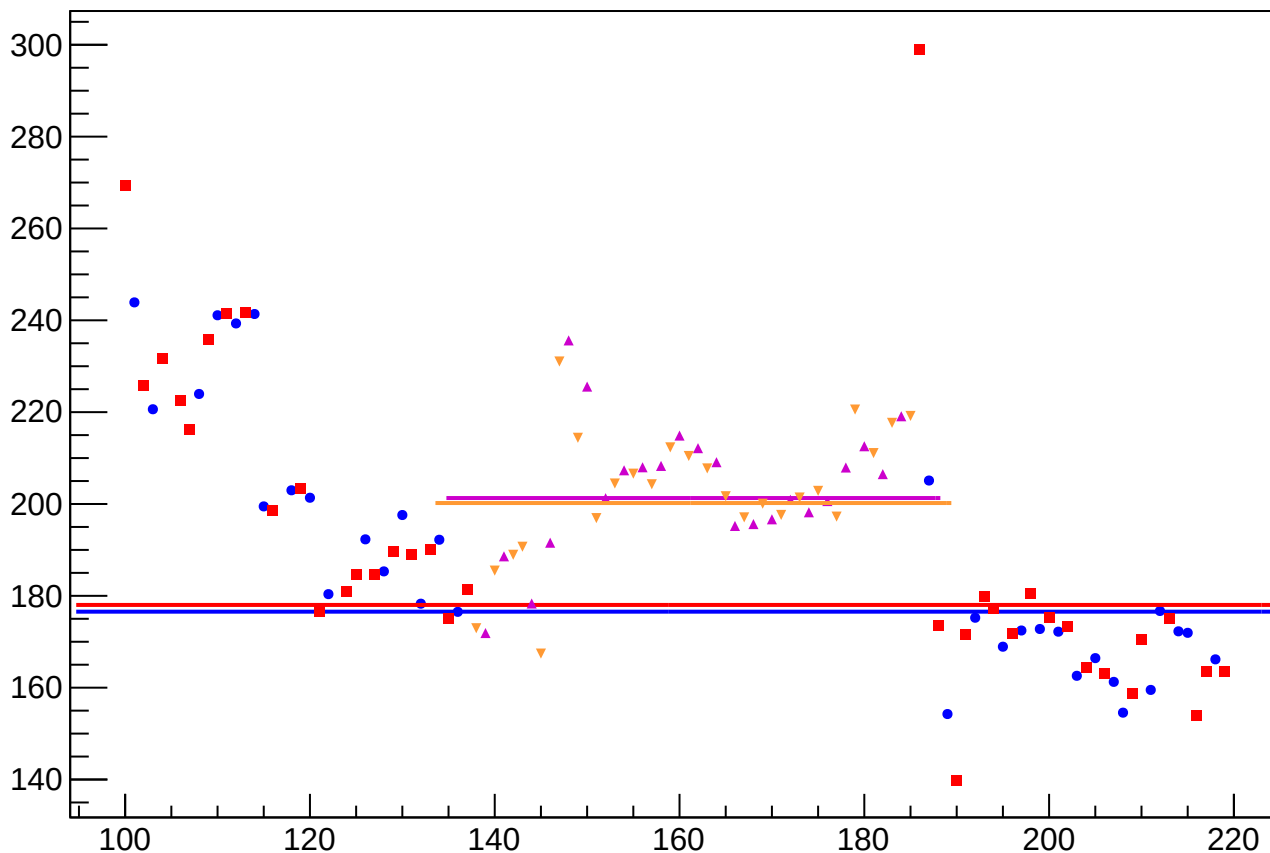
Left In: 219.983 ± 47.146 $\chi^2/\text{NDF}: 23.7/22$

+ sign -116.571 ± 29.885 $\chi^2/\text{NDF}: 96.3/56$

All: -37.096 ± 21.148 $\chi^2/\text{NDF}: 205.8/116$

- sign 42.621 ± 29.930 $\chi^2/\text{NDF}: 95.3/59$

cor_asym_sam_26_dd_rms vs Slug



Right In: 176.552 $\pm$ 0.028 χ^2 /NDF: 513053.8/31

Left Out: 200.210 $\pm$ 0.032 χ^2 /NDF:204394.0/24

Right Out: 178.018 $\pm$ 0.027 χ^2 /NDF: 707560.0/36

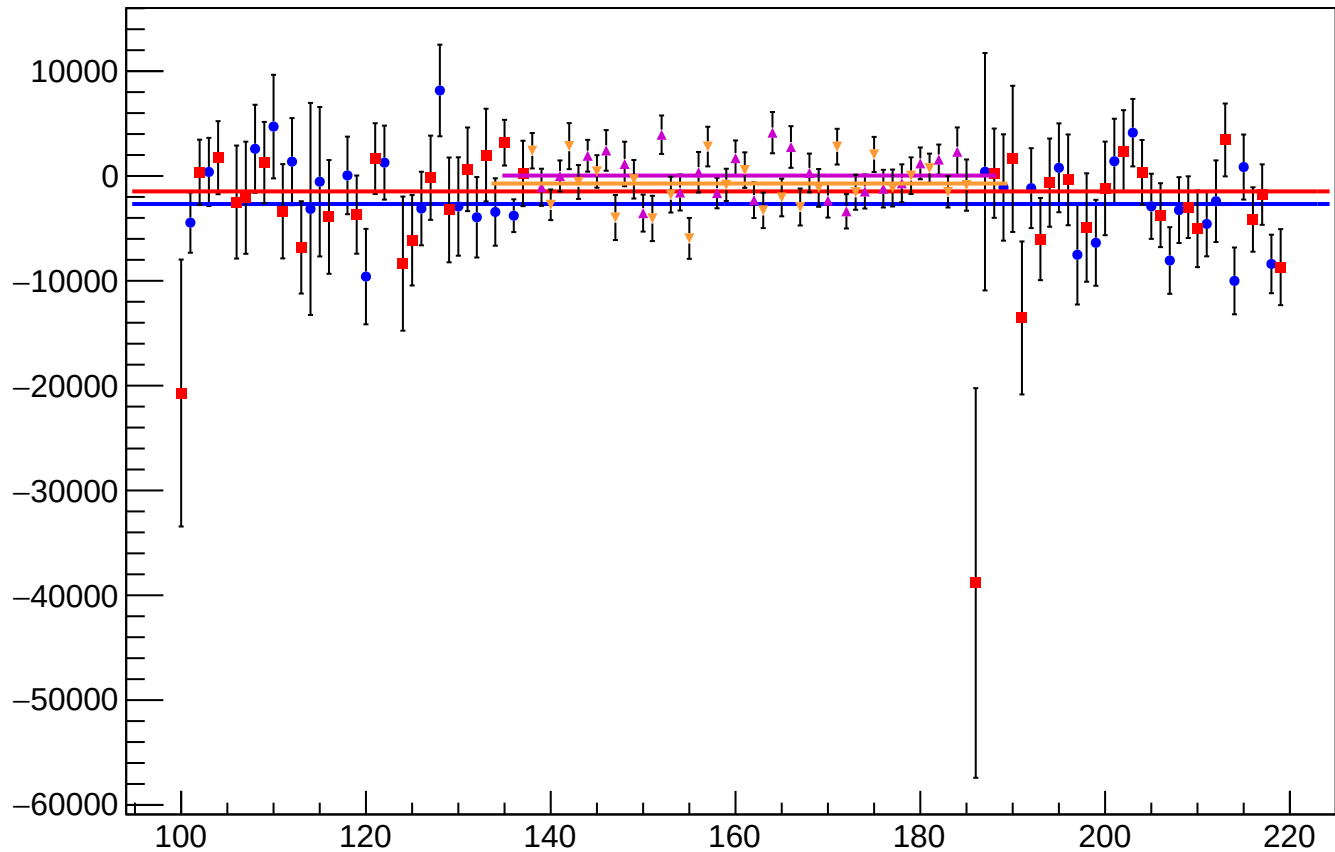
Left In: 201.297 $\pm$ 0.033 χ^2 /NDF:181646.8/22

+ sign 186.707 $\pm$ 0.021 χ^2 /NDF: 1024515.8/56

All: 187.053 $\pm$ 0.015 χ^2 /NDF: 2205357.3/116

- sign 187.400 $\pm$ 0.021 χ^2 /NDF: 1180304.3/59

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -2674.306 ± 620.985 χ^2/NDF : 39.5/31

Left Out: -720.705 ± 346.376 χ^2/NDF : 38.3/24

Right Out: -1472.157 ± 639.870 χ^2/NDF : 34.2/36

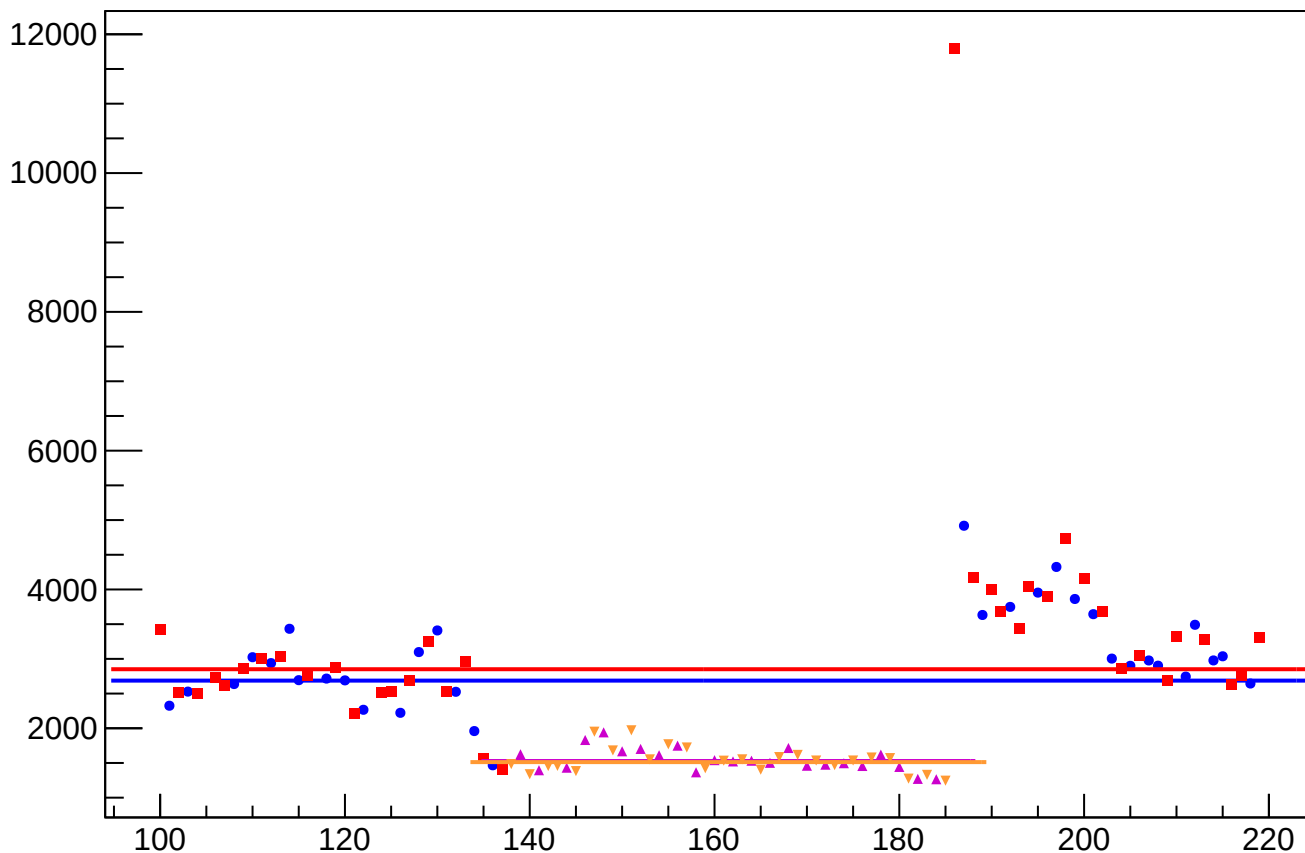
Left In: 39.275 ± 359.265 χ^2/NDF : 34.4/22

+ sign -1184.286 ± 302.500 χ^2/NDF : 85.3/56

All: -768.691 ± 217.606 χ^2/NDF : 162.1/116

- sign -322.992 ± 313.265 χ^2/NDF : 72.9/59

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2686.684 $\pm$ 0.439 χ^2 /NDF: 2696174.0/31

Left Out: 1512.365 $\pm$ 0.245 χ^2 /NDF: 442559.1/24

Right Out: 2850.835 $\pm$ 0.452 χ^2 /NDF: 3019014.5/36

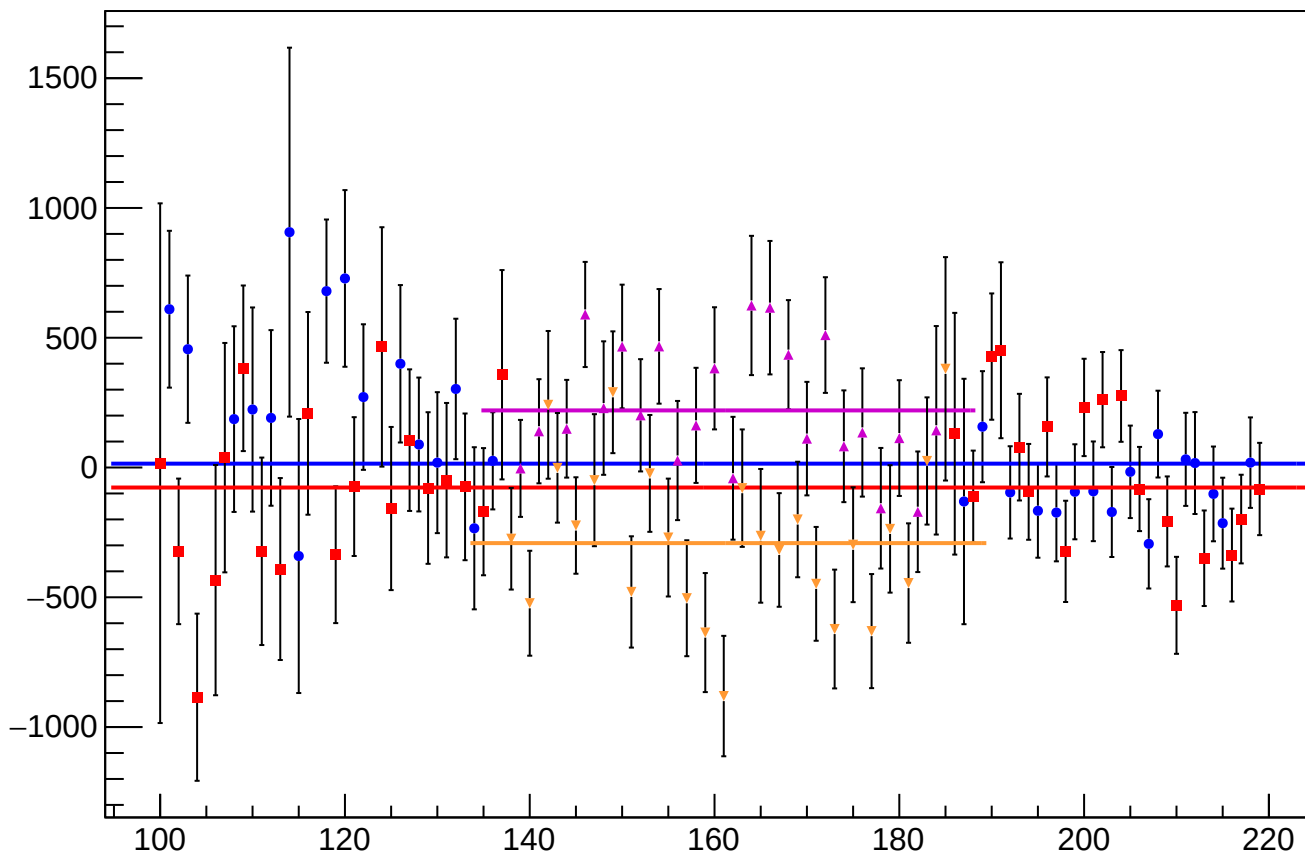
Left In: 1527.964 $\pm$ 0.254 χ^2 /NDF: 373845.3/22

+ sign 1791.025 $\pm$ 0.214 χ^2 /NDF: 8593749.4/56

All: 1817.087 $\pm$ 0.154 χ^2 /NDF: 18516787.9/100

- sign 1845.036 $\pm$ 0.222 χ^2 /NDF: 9892273.8/59

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 14.852 ± 39.557 χ^2/NDF : 34.2/31

Left Out: -291.316 ± 45.614 χ^2/NDF : 36.4/24

Right Out: -77.121 ± 38.738 χ^2/NDF : 47.9/36

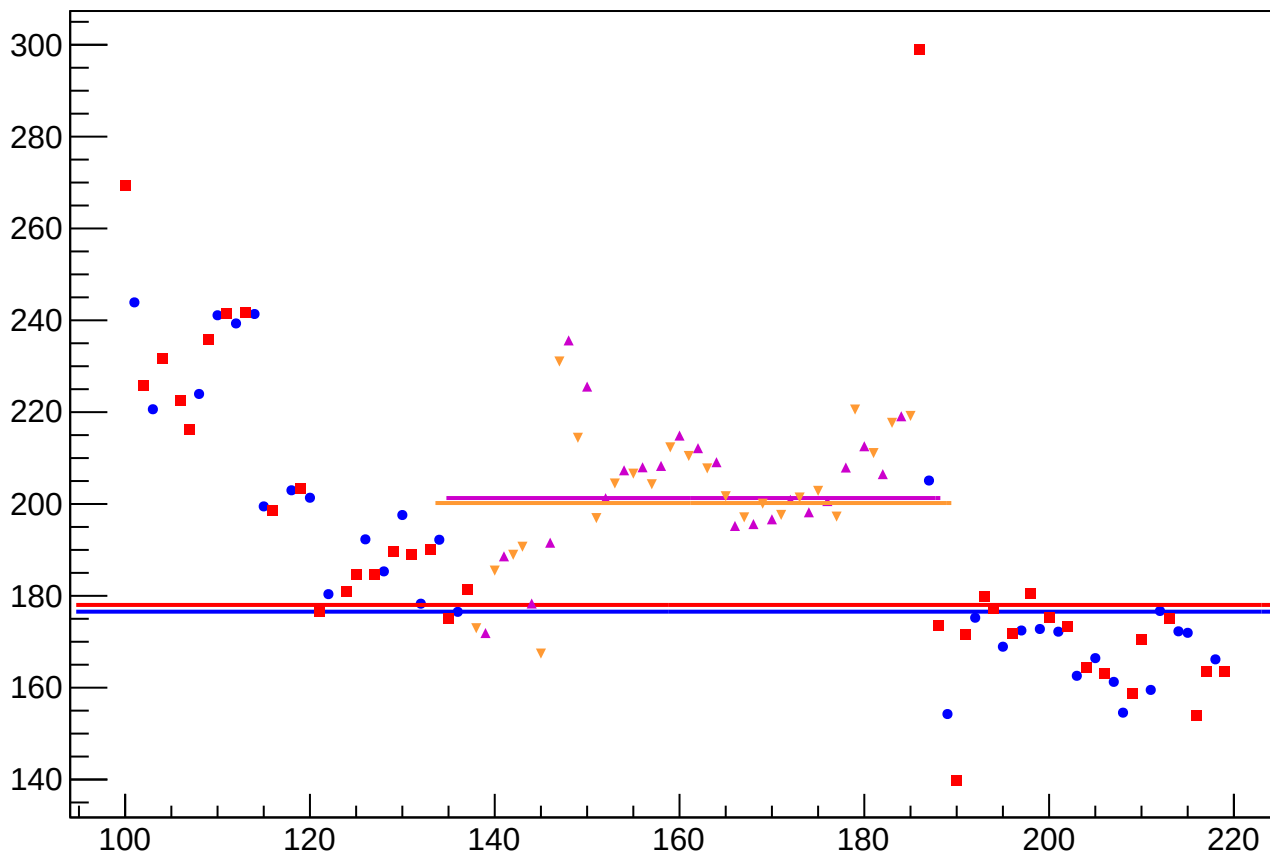
Left In: 219.983 ± 47.146 χ^2/NDF : 23.7/22

+ sign -116.571 ± 29.885 χ^2/NDF : 96.3/56

All: -37.096 ± 21.148 χ^2/NDF : 205.8/116

- sign 42.621 ± 29.930 χ^2/NDF : 95.3/59

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 176.552 $\pm$ 0.028 χ^2/NDF : 513053.8/31

Left Out: 200.210 $\pm$ 0.032 χ^2/NDF : 204394.0/24

Right Out: 178.018 $\pm$ 0.027 χ^2/NDF : 707560.0/36

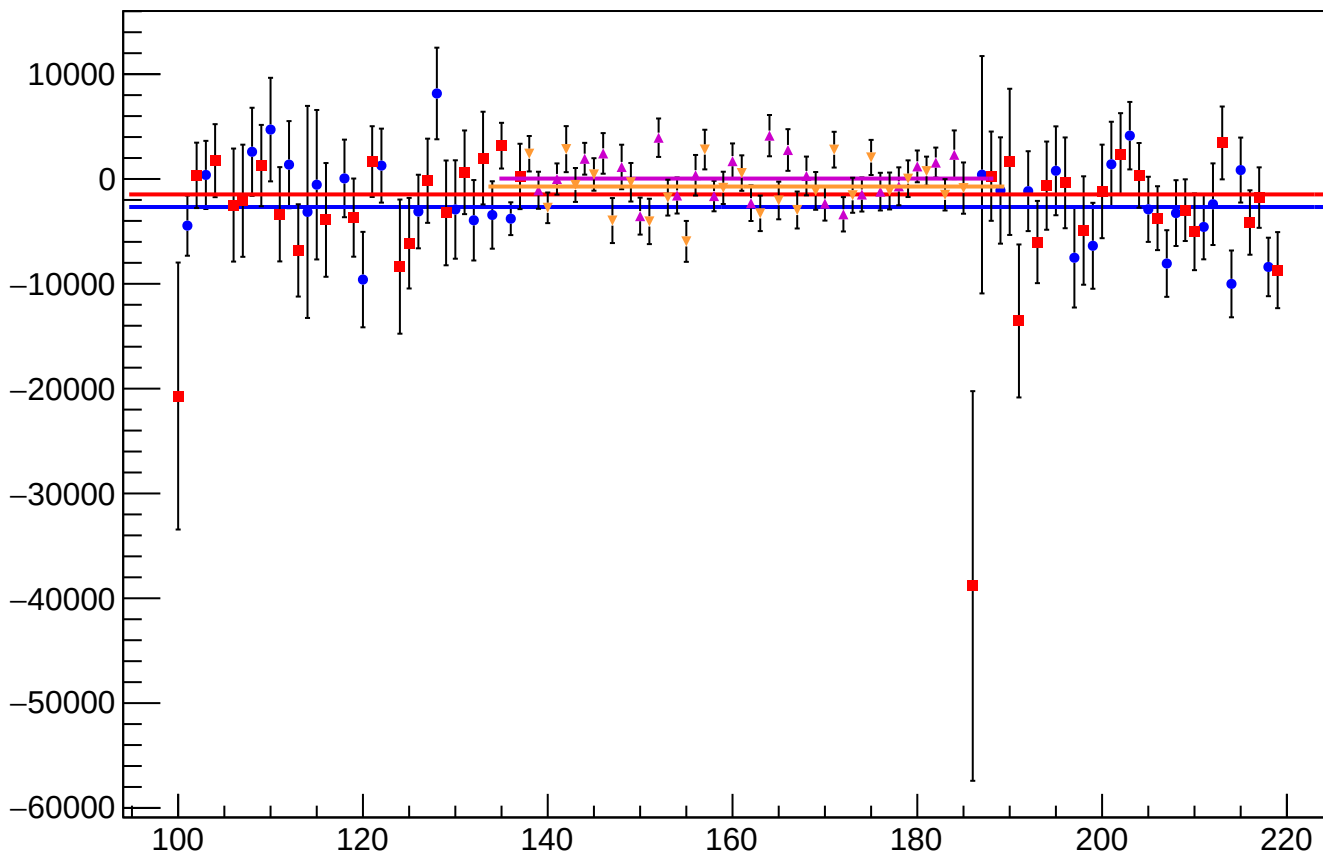
Left In: 201.297 $\pm$ 0.033 χ^2/NDF : 181646.8/22

+ sign 186.707 $\pm$ 0.021 χ^2/NDF : 1024515.8/56

All: 187.053 $\pm$ 0.015 χ^2/NDF : 2205357.3/116

- sign 187.400 $\pm$ 0.021 χ^2/NDF : 1180304.3/59

asym_sam_26_dd_eigen_cor_correction_mean vs Slug



Right In: -2674.306 ± 620.985 χ^2/NDF : 39.5/31

Left Out: -720.705 ± 346.376 χ^2/NDF : 38.3/24

Right Out: -1472.157 ± 639.870 χ^2/NDF : 34.2/36

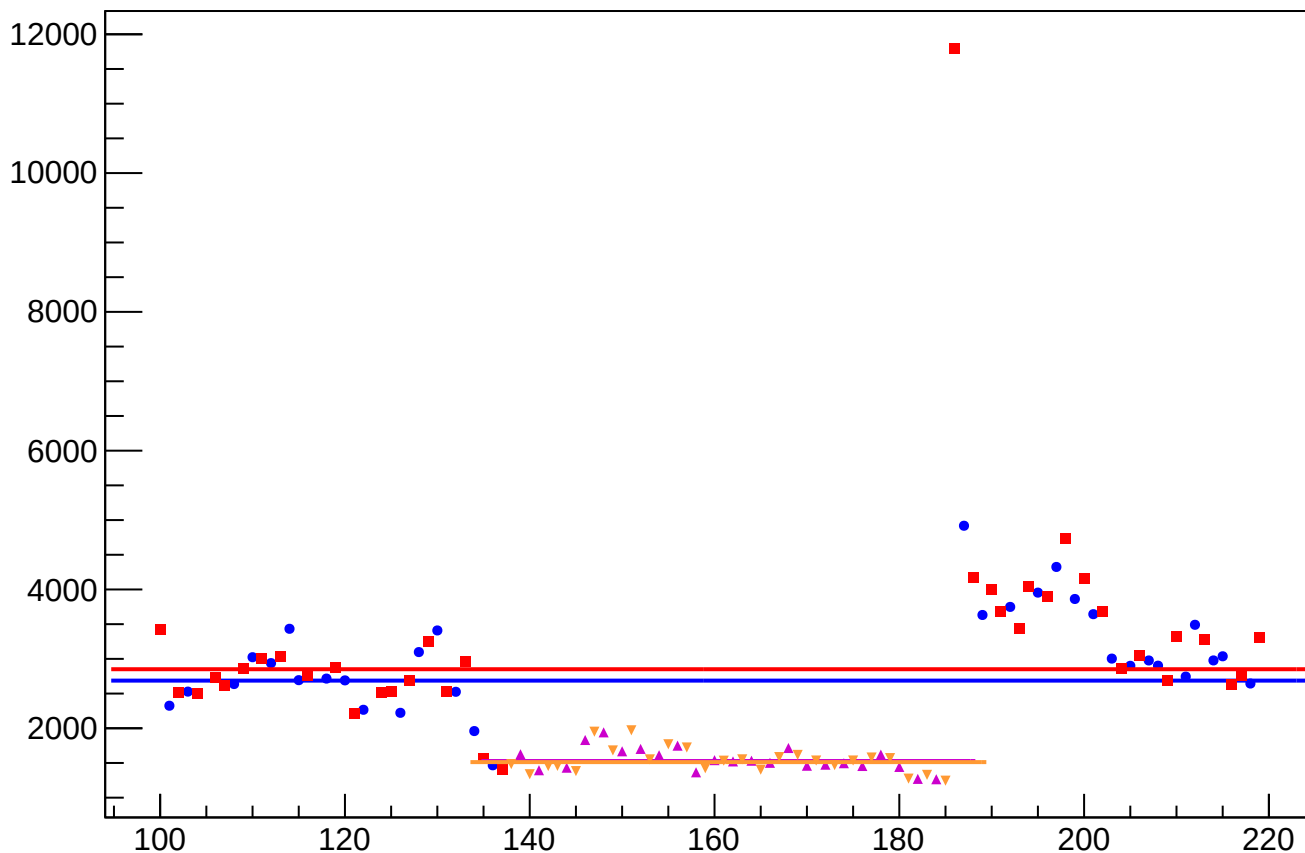
Left In: 39.275 ± 359.265 χ^2/NDF : 34.4/22

+ sign -1184.286 ± 302.500 χ^2/NDF : 85.3/56

All: -768.691 ± 217.606 χ^2/NDF : 162.1/116

- sign -322.992 ± 313.265 χ^2/NDF : 72.9/59

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2686.684 $\pm$ 0.439 χ^2 /NDF: 2696174.0/31

Left Out: 1512.365 $\pm$ 0.245 χ^2 /NDF: 442559.1/24

Right Out: 2850.835 $\pm$ 0.452 χ^2 /NDF: 3019014.5/36

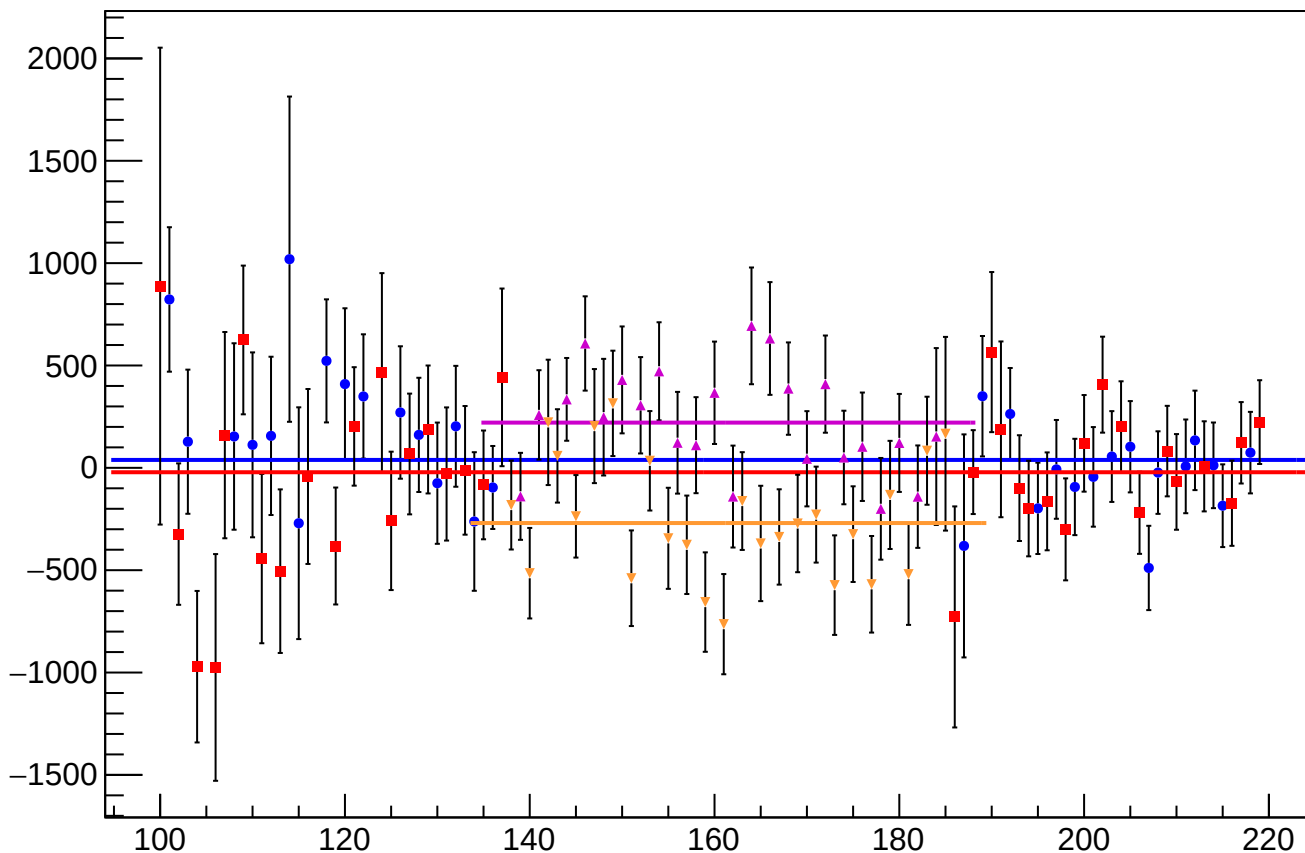
Left In: 1527.964 $\pm$ 0.254 χ^2 /NDF: 373845.3/22

+ sign 1791.025 $\pm$ 0.214 χ^2 /NDF: 8593749.4/56

All: 1817.087 $\pm$ 0.154 χ^2 /NDF: 18516787.9/100

- sign 1845.036 $\pm$ 0.222 χ^2 /NDF: 9892273.8/59

dit_asym_sam_26_dd_mean vs Slug



Right In: 38.654 ± 47.198 χ^2/NDF : 26.5/31

Left Out: -269.678 ± 49.158 χ^2/NDF : 31.5/24

Right Out: -21.498 ± 46.334 χ^2/NDF : 37.1/36

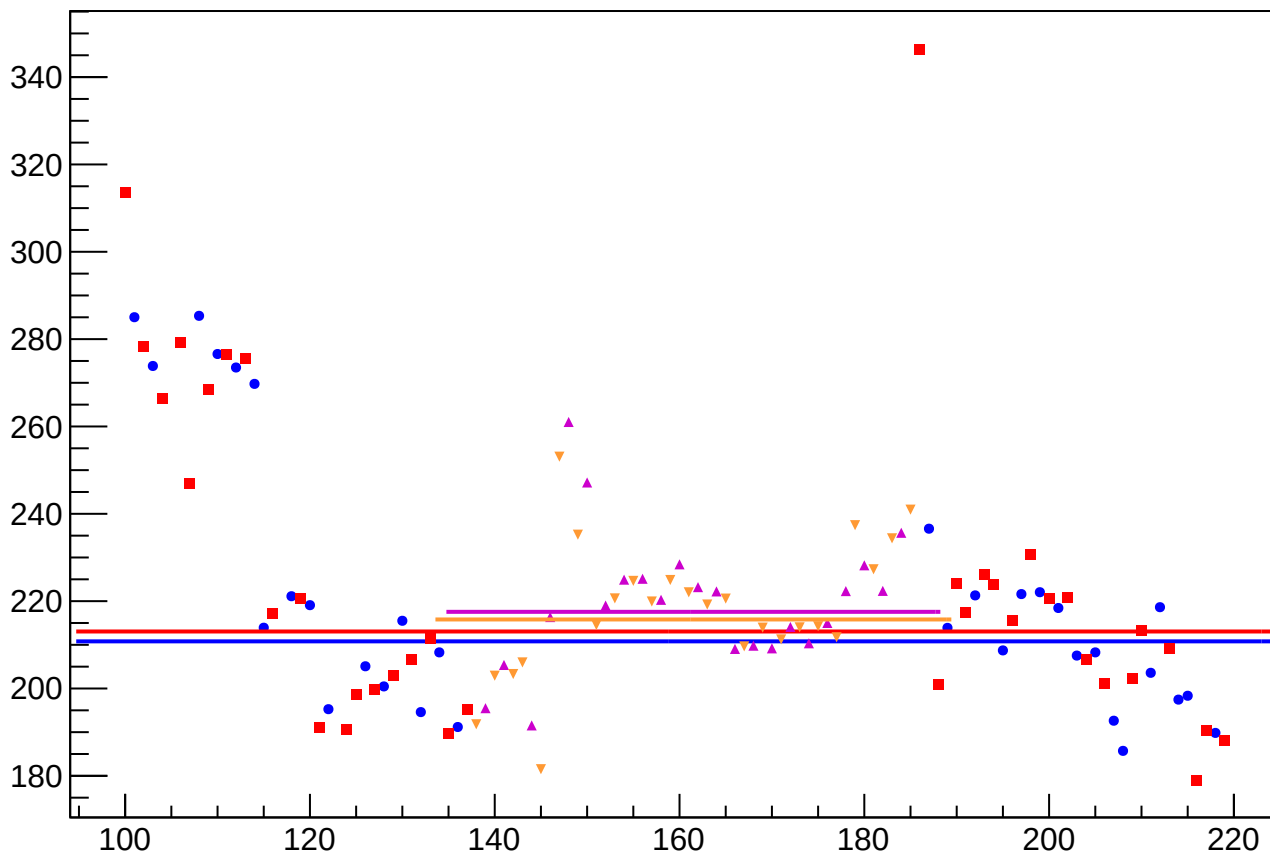
Left In: 220.926 ± 50.956 χ^2/NDF : 23.4/22

+ sign -109.243 ± 34.046 χ^2/NDF : 78.5/56

All: -11.189 ± 24.157 χ^2/NDF : 168.0/116

- sign 88.223 ± 34.281 χ^2/NDF : 72.8/59

dit_asym_sam_26_dd_rms vs Slug



Right In: 210.794 $\pm$ 0.033 χ^2 /NDF: 458663.5/31

Left Out: 215.807 $\pm$ 0.035 χ^2 /NDF:188699.2/24

Right Out: 213.055 $\pm$ 0.033 χ^2 /NDF: 631983.6/36

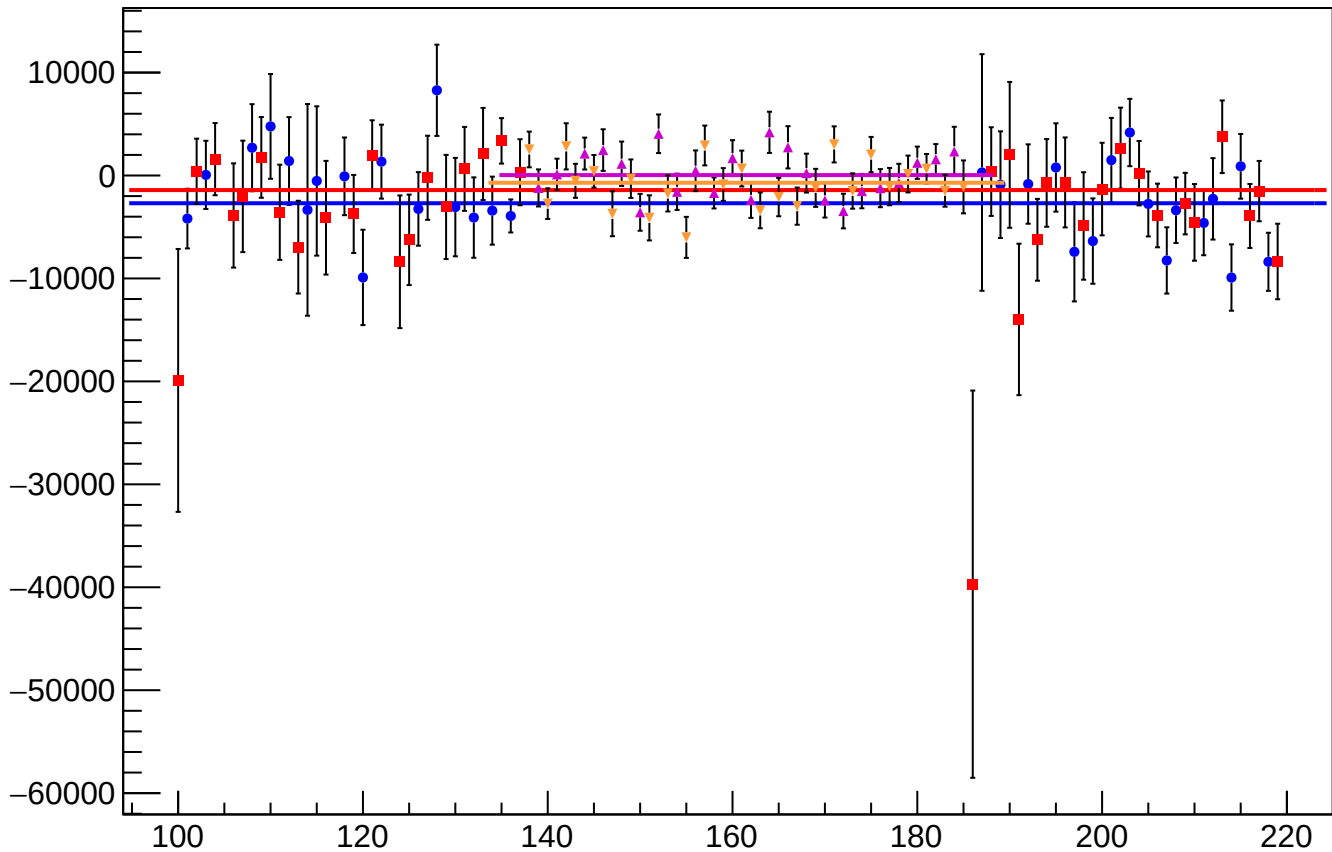
Left In: 217.555 $\pm$ 0.036 χ^2 /NDF:161066.4/22

+ sign 213.198 $\pm$ 0.024 χ^2 /NDF: 658185.3/56

All: 214.138 $\pm$ 0.017 χ^2 /NDF: 1462845.1/116

- sign 215.091 $\pm$ 0.024 χ^2 /NDF: 801588.6/59

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -2694.248 ± 631.706 χ^2/NDF : 38.9/31

Left Out: -704.012 ± 355.462 χ^2/NDF : 37.6/24

Right Out: -1416.346 ± 648.612 χ^2/NDF : 34.5/36

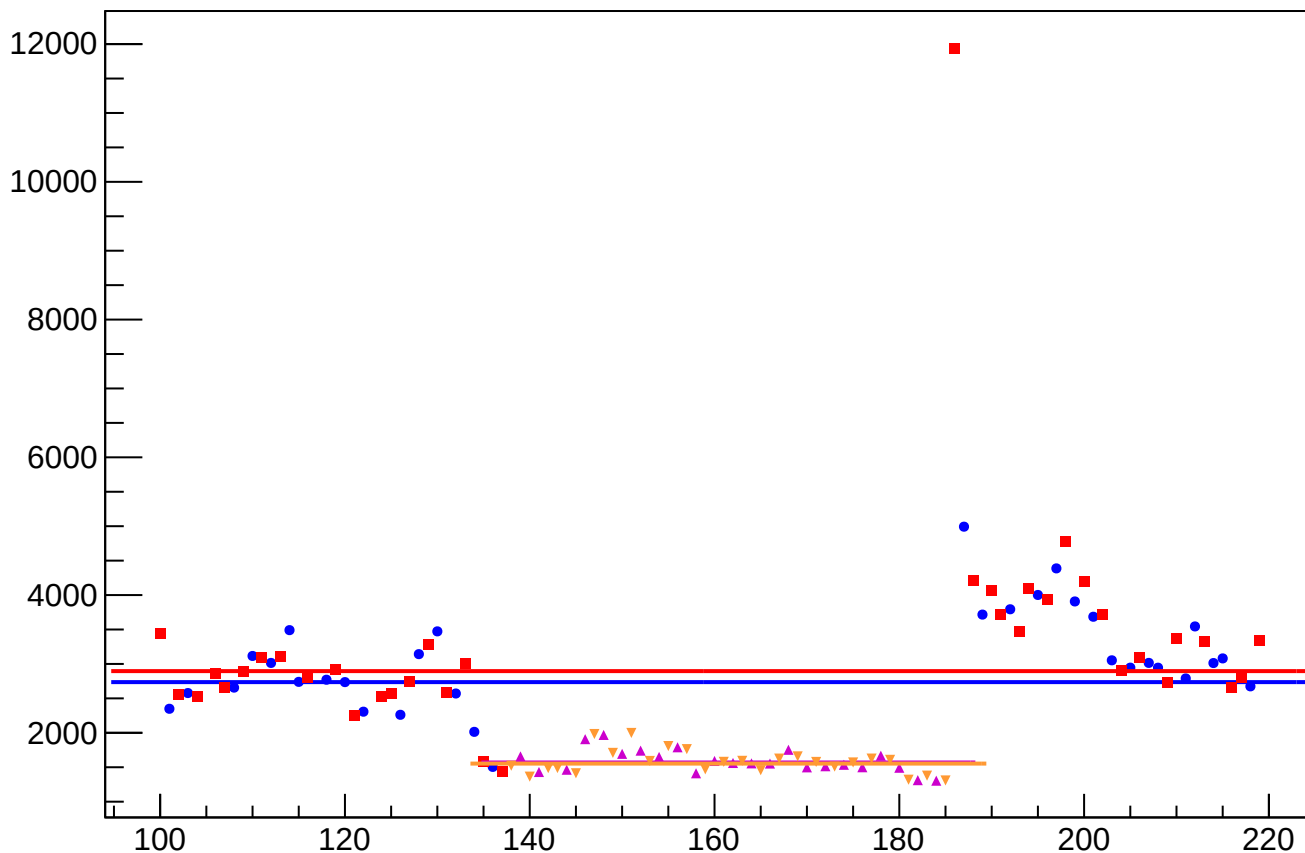
Left In: 39.658 ± 368.873 χ^2/NDF : 34.3/22

+ sign -1182.637 ± 309.785 χ^2/NDF : 84.1/56

All: -764.329 ± 222.792 χ^2/NDF : 160.5/116

- sign -316.175 ± 320.646 χ^2/NDF : 72.6/59

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2736.026 ± 0.447 χ^2/NDF : 2627915.2/31

Left Out: 1553.019 ± 0.251 χ^2/NDF : 409933.8/24

Right Out: 2895.823 ± 0.459 χ^2/NDF : 2976730.2/36

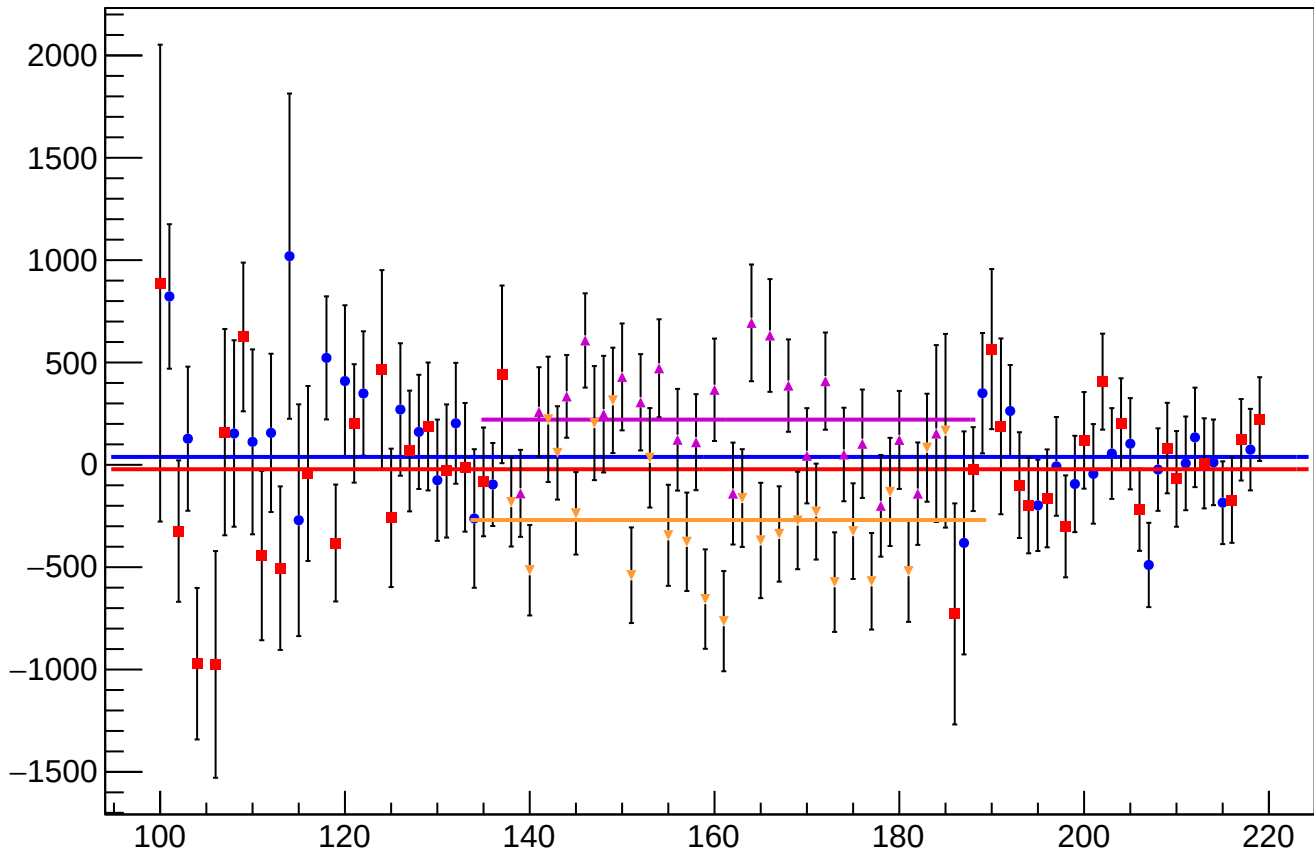
Left In: 1569.383 ± 0.261 χ^2/NDF : 357481.9/22

+ sign 1837.517 ± 0.219 χ^2/NDF : 8365177.8/56

All: 1864.569 ± 0.158 χ^2/NDF : 18051213.4/100

- sign 1893.551 ± 0.227 χ^2/NDF : 9654444.2/59

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 38.658 ± 47.198 χ^2/NDF : 26.5/31

Left Out: -269.680 ± 49.158 χ^2/NDF : 31.5/24

Right Out: -21.496 ± 46.334 χ^2/NDF : 37.1/36

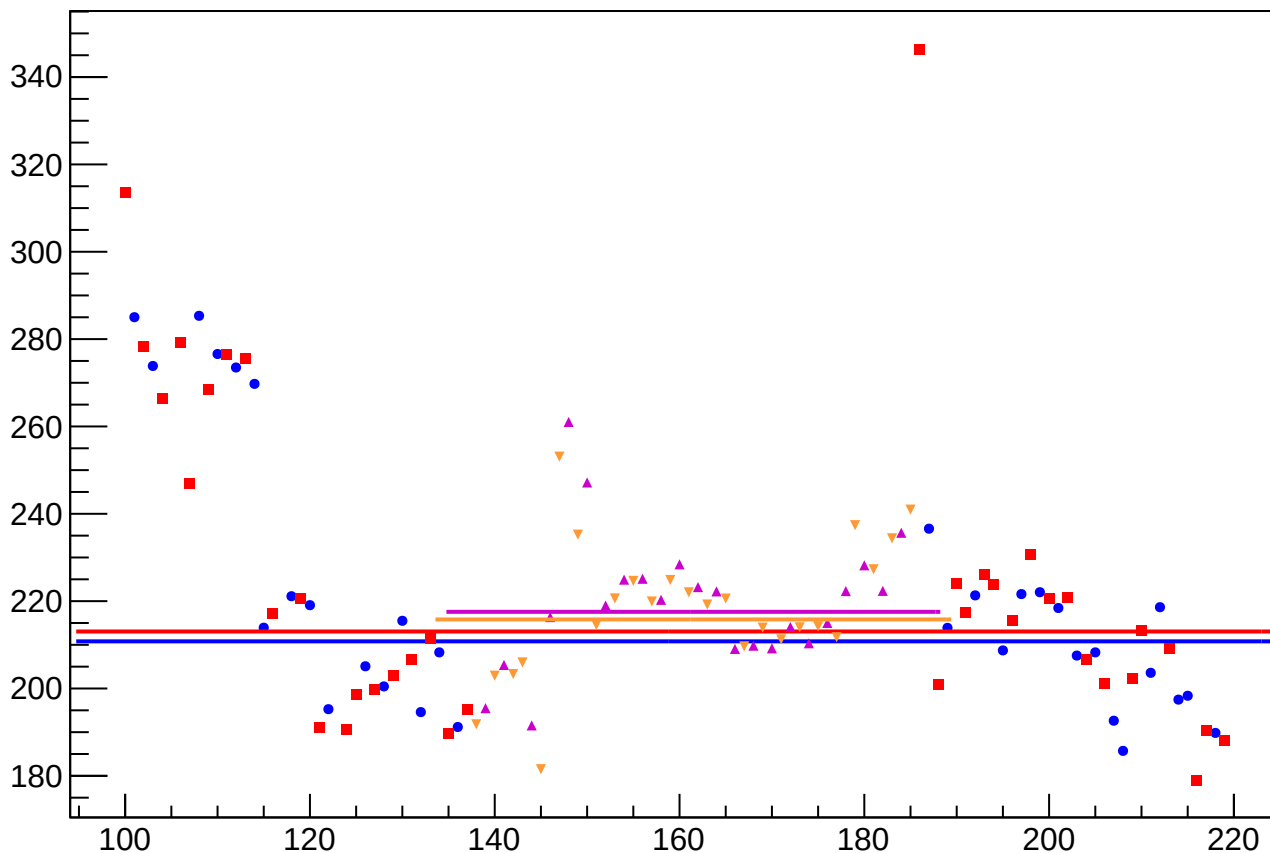
Left In: 220.927 ± 50.956 χ^2/NDF : 23.4/22

+ sign -109.242 ± 34.046 χ^2/NDF : 78.5/56

All: -11.188 ± 24.157 χ^2/NDF : 168.0/116

- sign 88.225 ± 34.281 χ^2/NDF : 72.8/59

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 210.793 ± 0.033 $\chi^2/\text{NDF}: 458653.2/31$

Left Out: 215.806 ± 0.035 $\chi^2/\text{NDF}: 188703.4/24$

Right Out: 213.054 ± 0.033 $\chi^2/\text{NDF}: 631962.2/36$

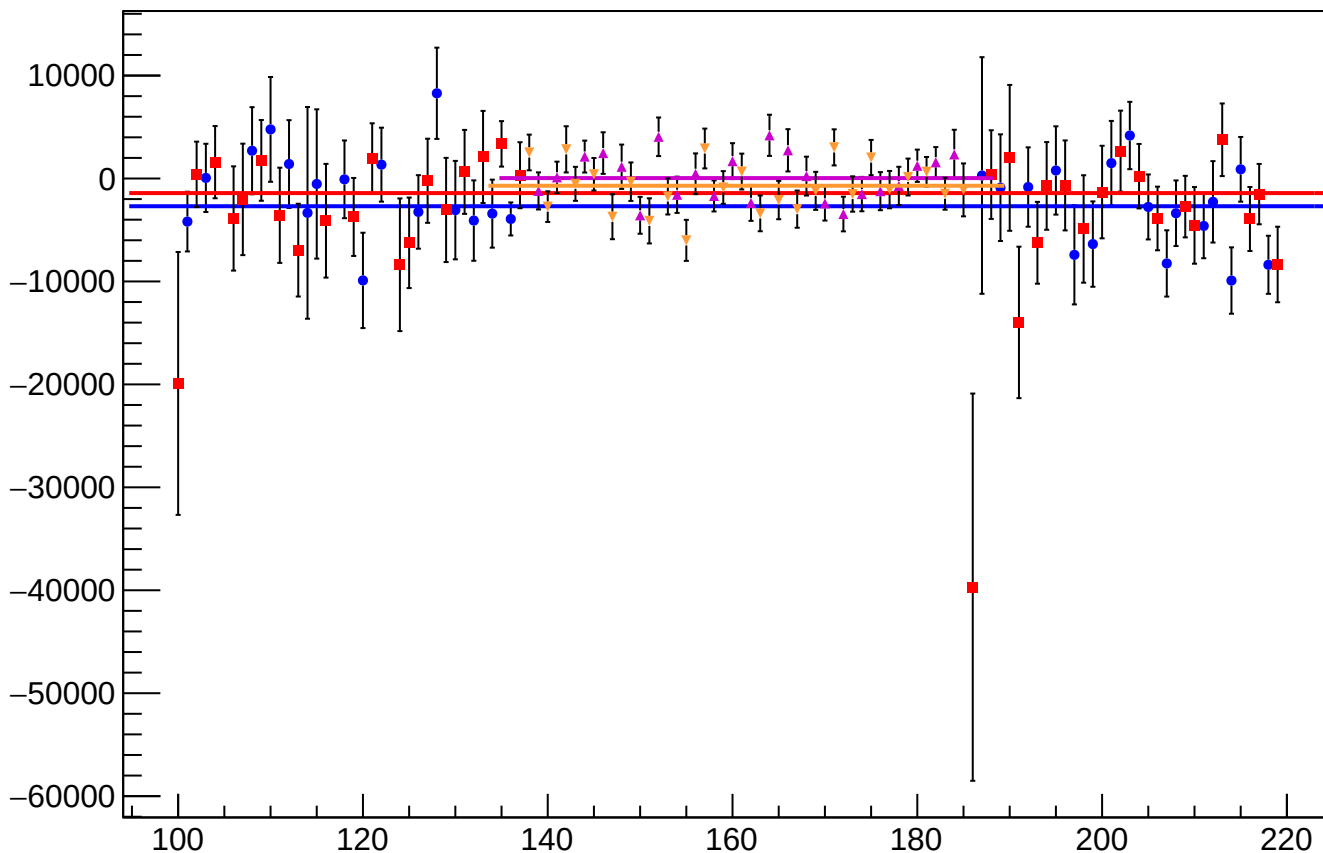
Left In: 217.555 ± 0.036 $\chi^2/\text{NDF}: 161069.0/22$

+ sign 213.198 ± 0.024 $\chi^2/\text{NDF}: 658180.4/56$

All: 214.138 ± 0.017 $\chi^2/\text{NDF}: 1462821.8/116$

- sign 215.091 ± 0.024 $\chi^2/\text{NDF}: 801570.1/59$

asym_sam_26_dd_eigen_dit_correction_mean vs Slug



Right In: -2694.245 ± 631.706 χ^2/NDF : 38.9/31

Left Out: -704.012 ± 355.462 χ^2/NDF : 37.6/24

Right Out: -1416.343 ± 648.611 χ^2/NDF : 34.5/36

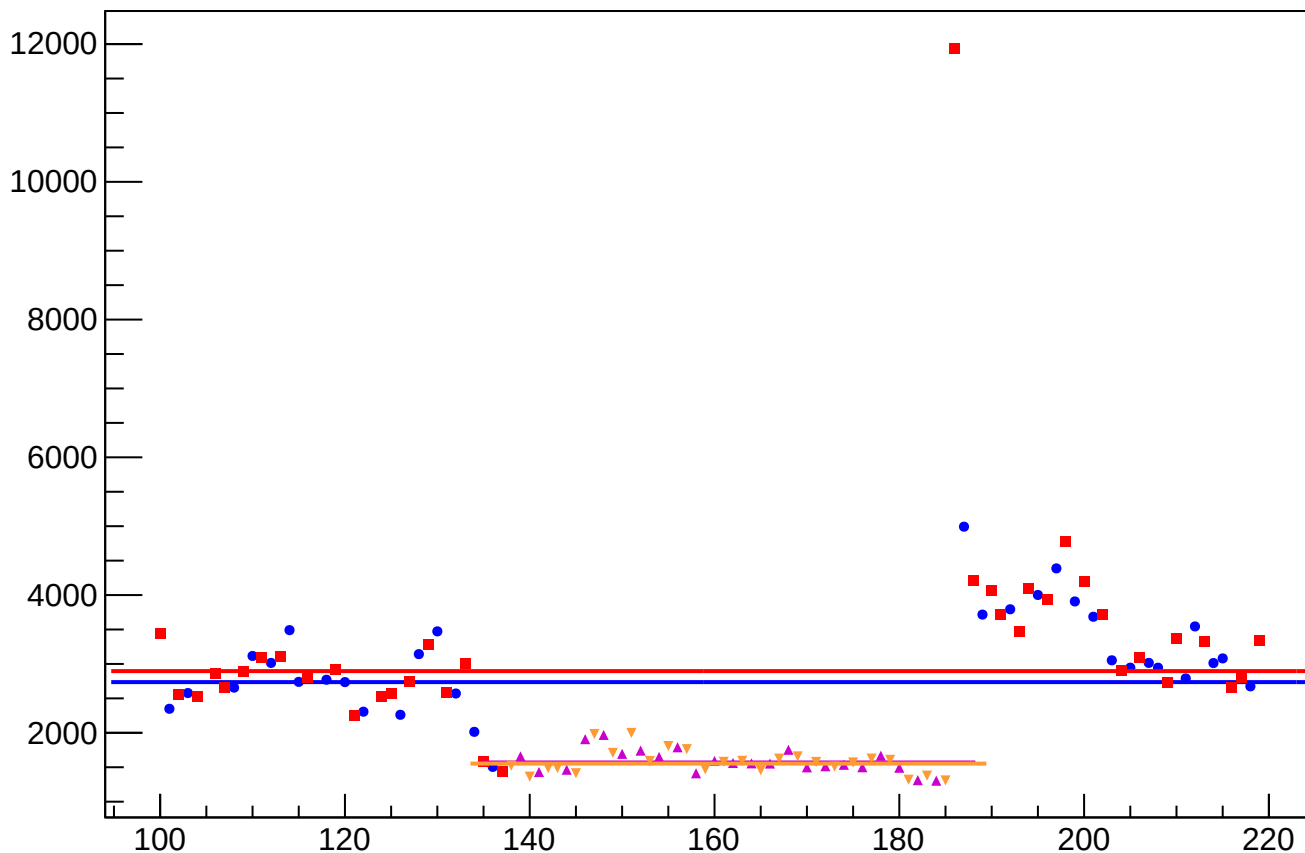
Left In: 39.657 ± 368.873 χ^2/NDF : 34.3/22

+ sign -1182.638 ± 309.785 χ^2/NDF : 84.1/56

All: -764.329 ± 222.792 χ^2/NDF : 160.5/116

- sign -316.175 ± 320.646 χ^2/NDF : 72.6/59

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2736.024+/-0.447 χ^2/NDF : 2627914.2/31

Left Out: 1553.020+/-0.251 χ^2/NDF : 409936.6/24

Right Out: 2895.820+/-0.459 χ^2/NDF : 2976732.5/36

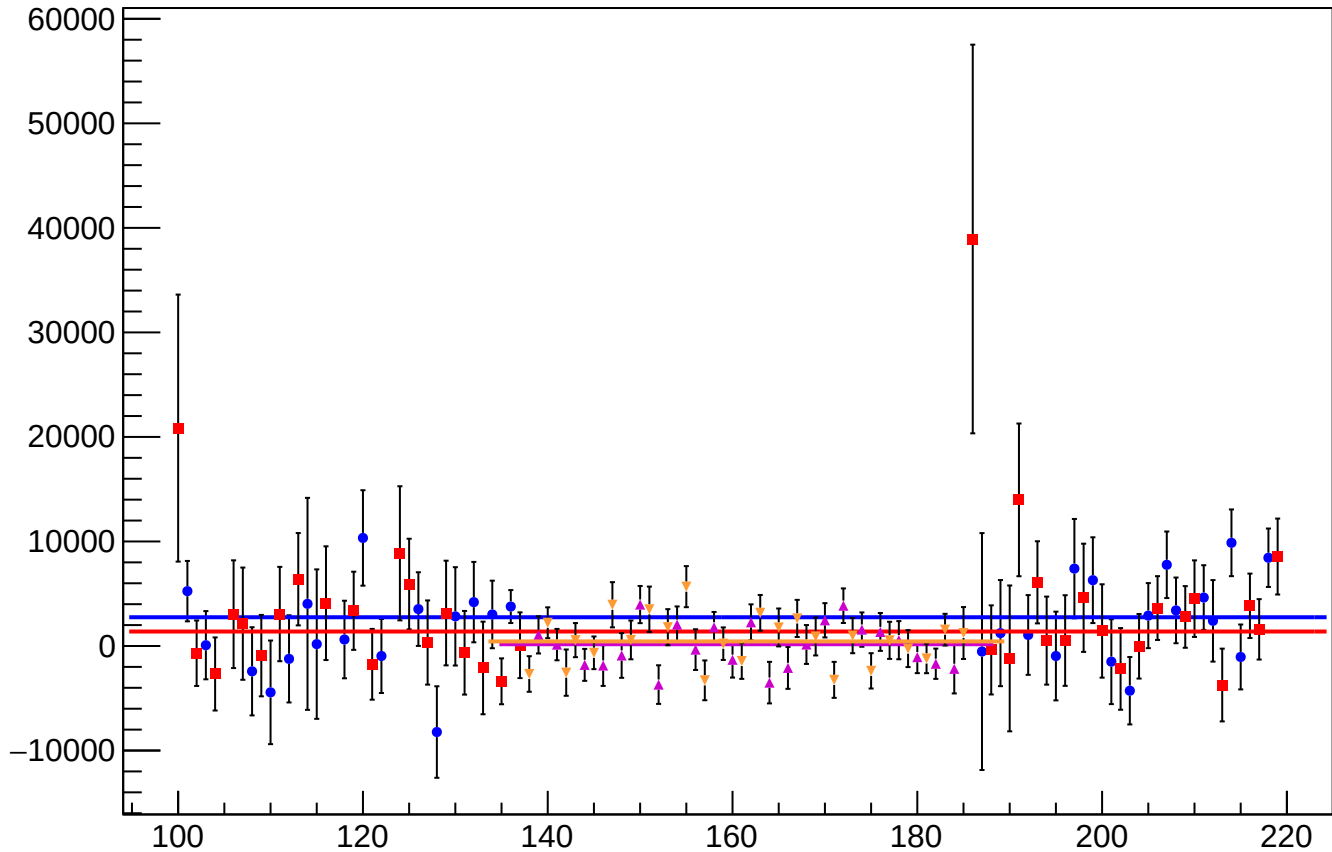
Left In: 1569.383+/-0.261 χ^2/NDF : 357484.6/22

+ sign 1837.517+/-0.219 χ^2/NDF : 8365162.4/56

All: 1864.569+/-0.158 χ^2/NDF : 18051188.7/100

- sign 1893.551+/-0.227 χ^2/NDF : 9654435.3/59

asym_sam_26_dd_mean vs Slug



Right In: 2750.471 $\pm$ 623.004 χ^2 /NDF: 39.4/31

Left Out: 437.522 $\pm$ 349.581 χ^2 /NDF:38.9/24

Right Out: 1384.795 $\pm$ 641.169 χ^2 /NDF: 34.3/36

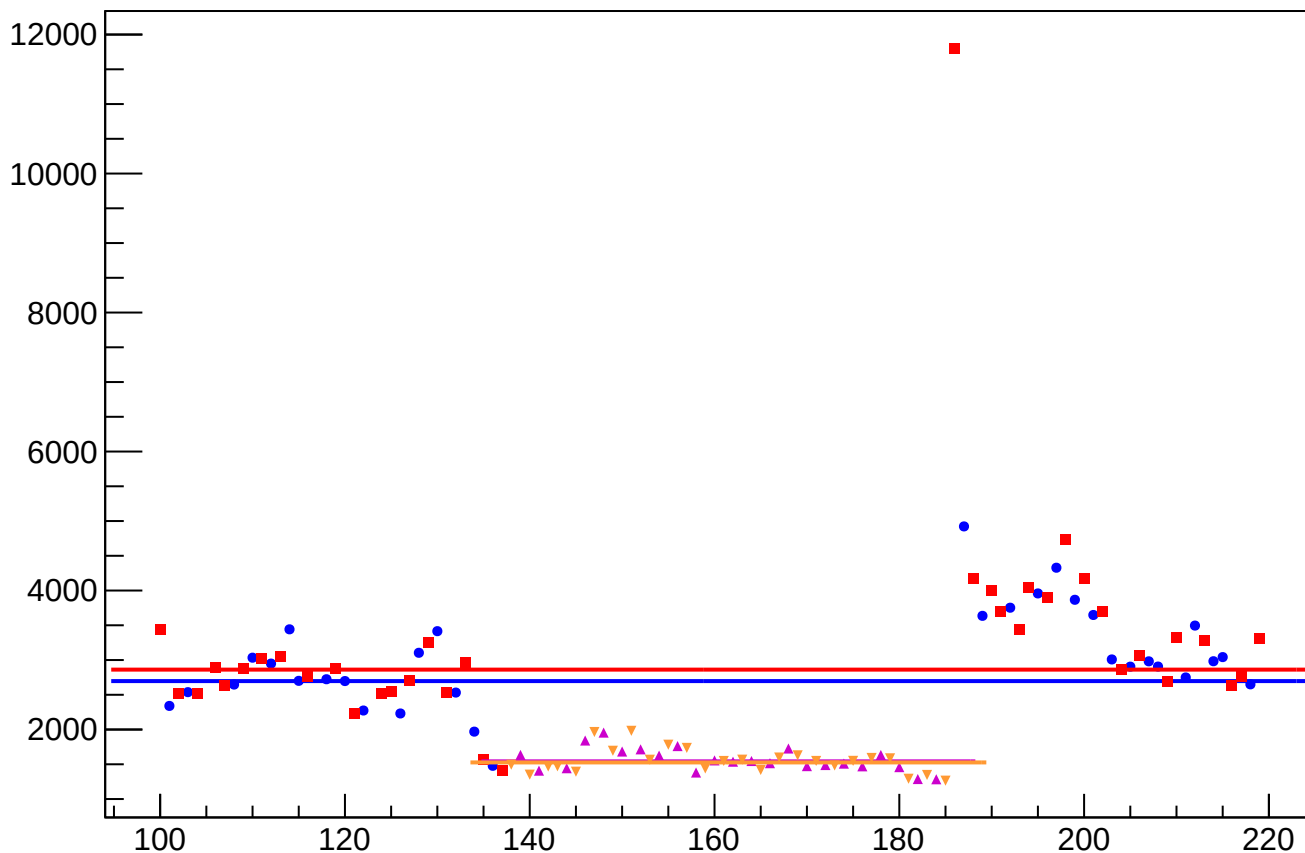
Left In: 169.827 $\pm$ 362.550 χ^2 /NDF:33.0/22

+ sign 991.385 $\pm$ 304.866 χ^2 /NDF: 88.7/56

All: 736.893 $\pm$ 219.266 χ^2 /NDF: 160.2/116

- sign 464.180 $\pm$ 315.591 χ^2 /NDF: 70.1/59

asym_sam_26_dd_rms vs Slug



Right In: 2697.000+/-0.441 χ^2/NDF : 2654416.2/31

Left Out: 1526.726+/-0.247 χ^2/NDF : 429467.0/24

Right Out: 2862.087+/-0.453 χ^2/NDF : 2984715.5/36

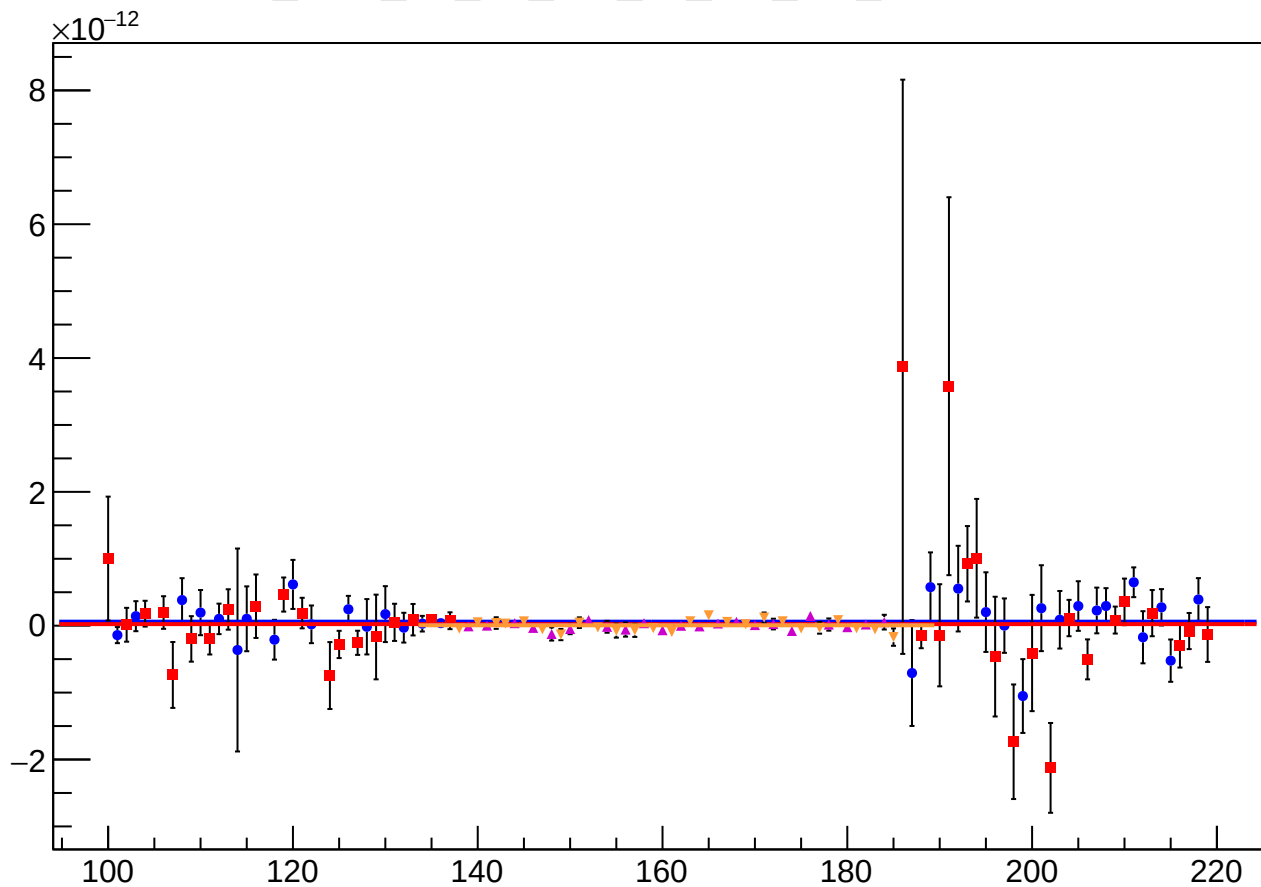
Left In: 1542.262+/-0.256 χ^2/NDF : 362291.1/22

+ sign 1806.962+/-0.216 χ^2/NDF : 8451053.1/56

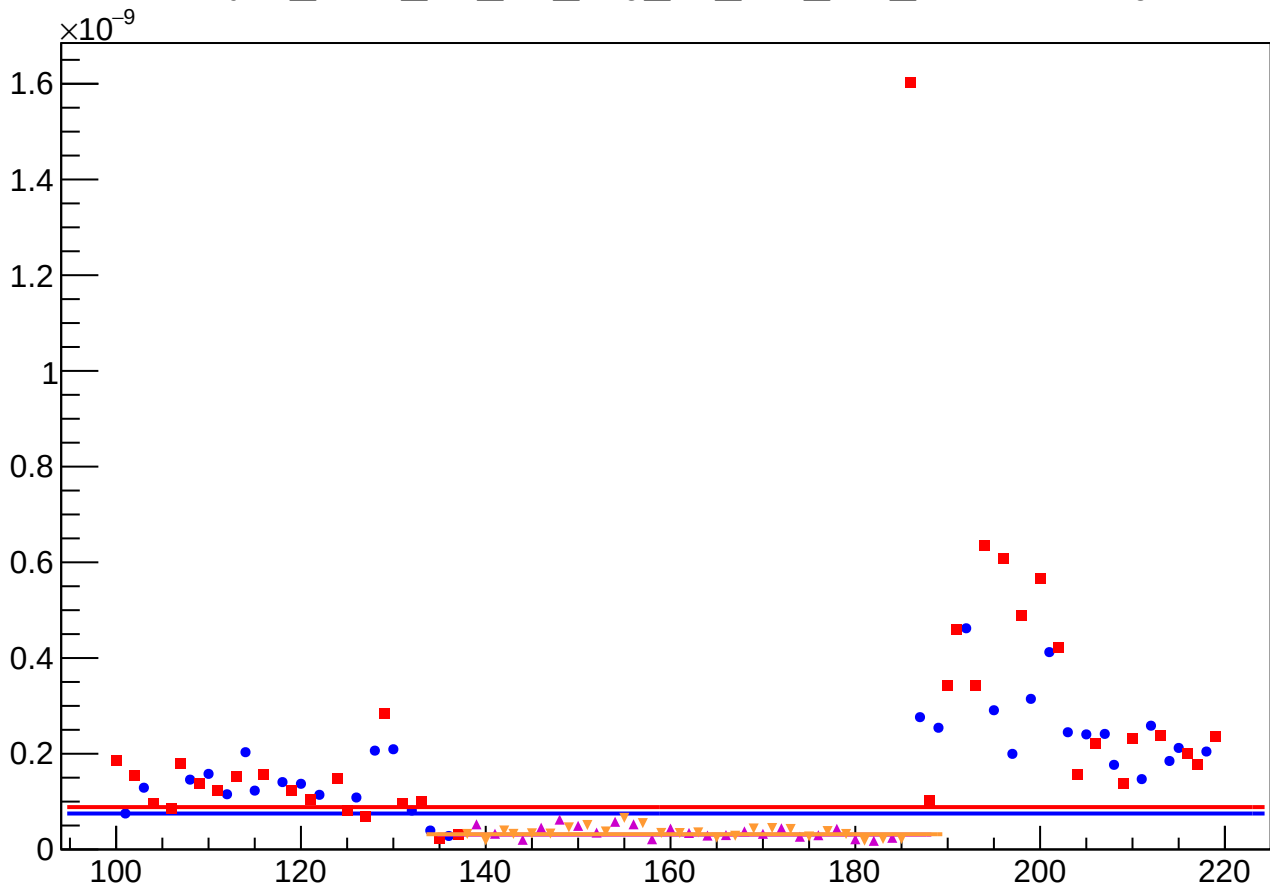
All: 1833.539+/-0.155 χ^2/NDF : 18250956.0/100

- sign 1862.019+/-0.223 χ^2/NDF : 9768415.1/59

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8948928.9/31

Left Out: 0.000+/-0.000 χ^2/NDF :1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9125633.5/36

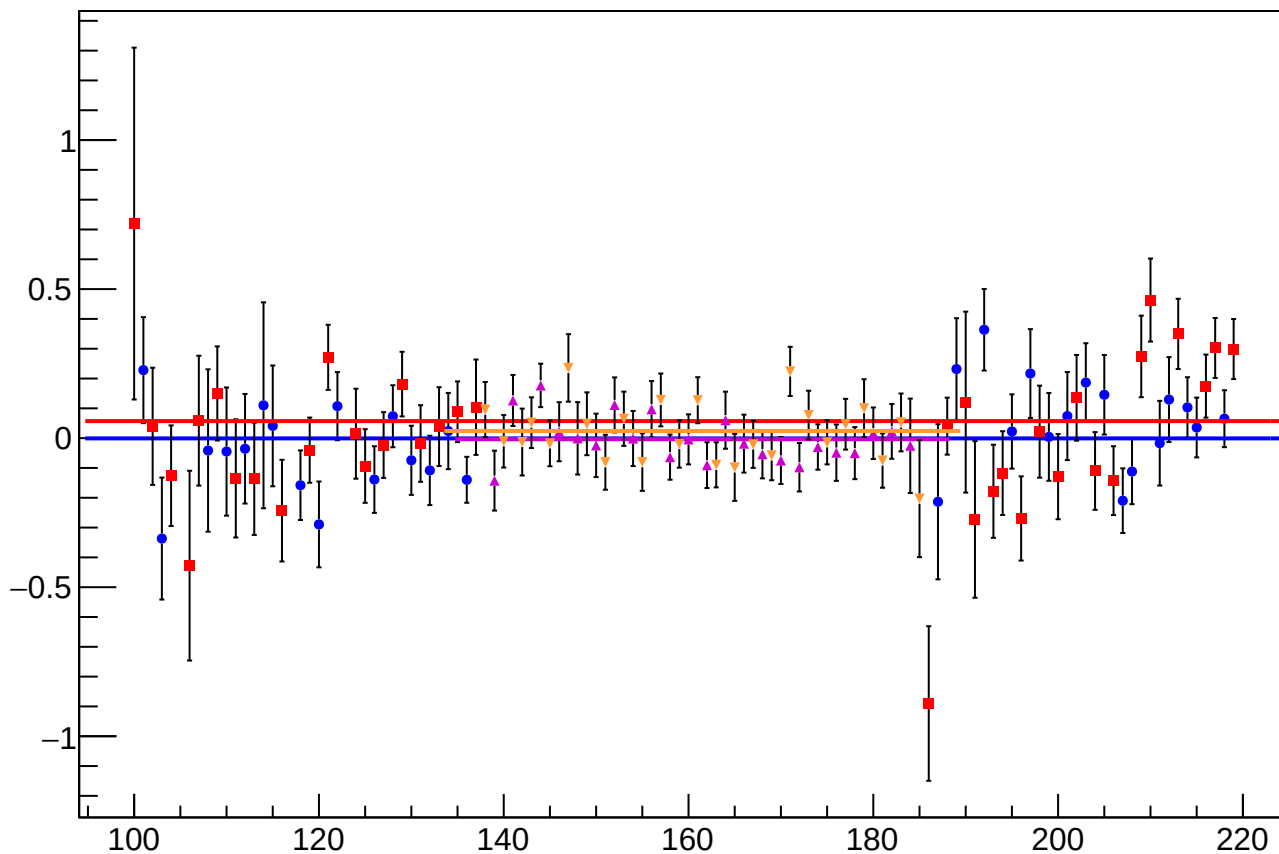
Left In: 0.000+/-0.000 χ^2/NDF :1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 13078359.4/56

All: 0.000+/-0.000 χ^2/NDF : 27788036.1/116

- sign 0.000+/-0.000 χ^2/NDF : 14709235.6/59

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.023 $\chi^2/\text{NDF}: 40.4/31$

Left Out: 0.024 ± 0.018 $\chi^2/\text{NDF}: 25.5/24$

Right Out: 0.057 ± 0.023 $\chi^2/\text{NDF}: 79.8/36$

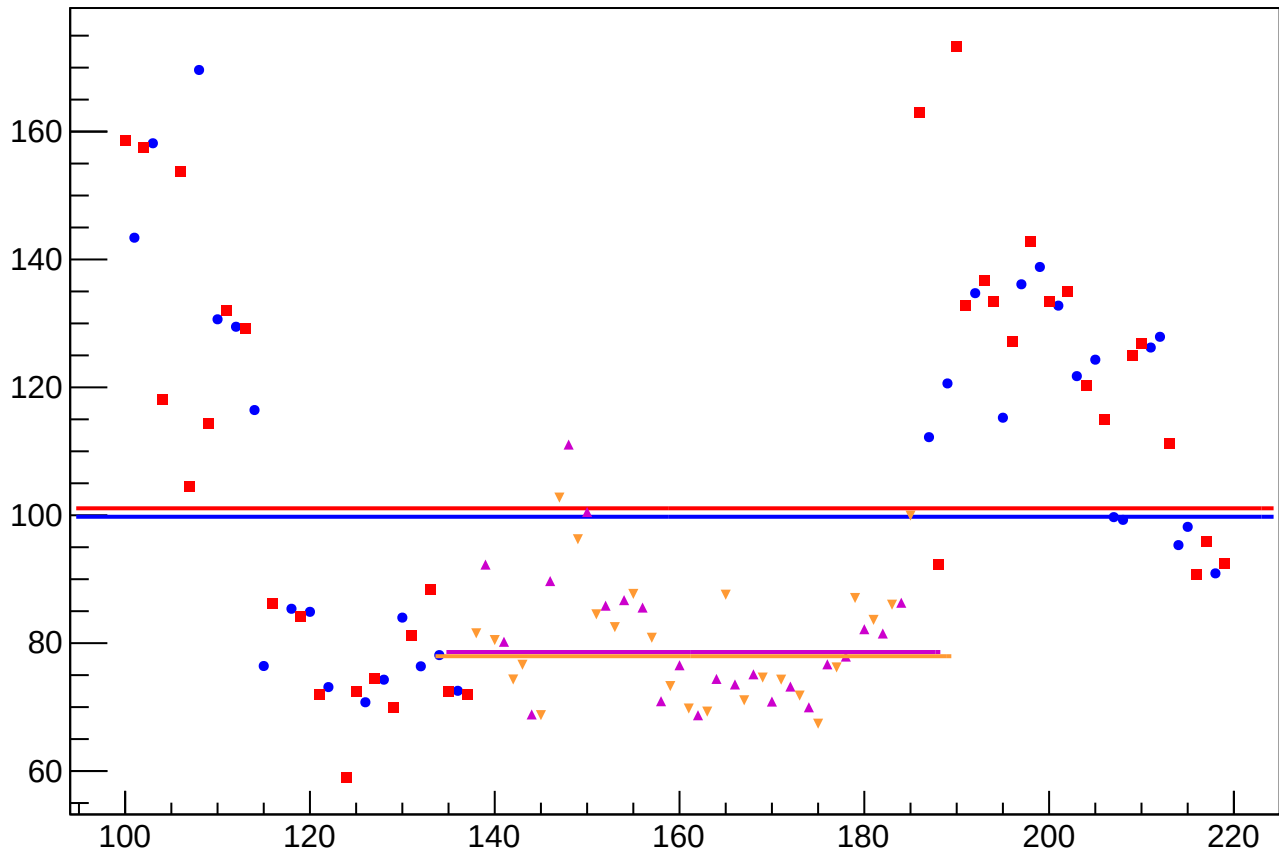
Left In: -0.004 ± 0.019 $\chi^2/\text{NDF}: 18.9/22$

+ sign 0.015 ± 0.014 $\chi^2/\text{NDF}: 66.7/56$

All: 0.018 ± 0.010 $\chi^2/\text{NDF}: 169.7/116$

- sign 0.021 ± 0.014 $\chi^2/\text{NDF}: 102.9/59$

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 99.765+/-0.016 χ^2/NDF : 2227435.3/31

Left Out: 77.957+/-0.013 χ^2/NDF : 439703.9/24

+ sign 86.166+/-0.010 χ^2/NDF : 3790037.0/56

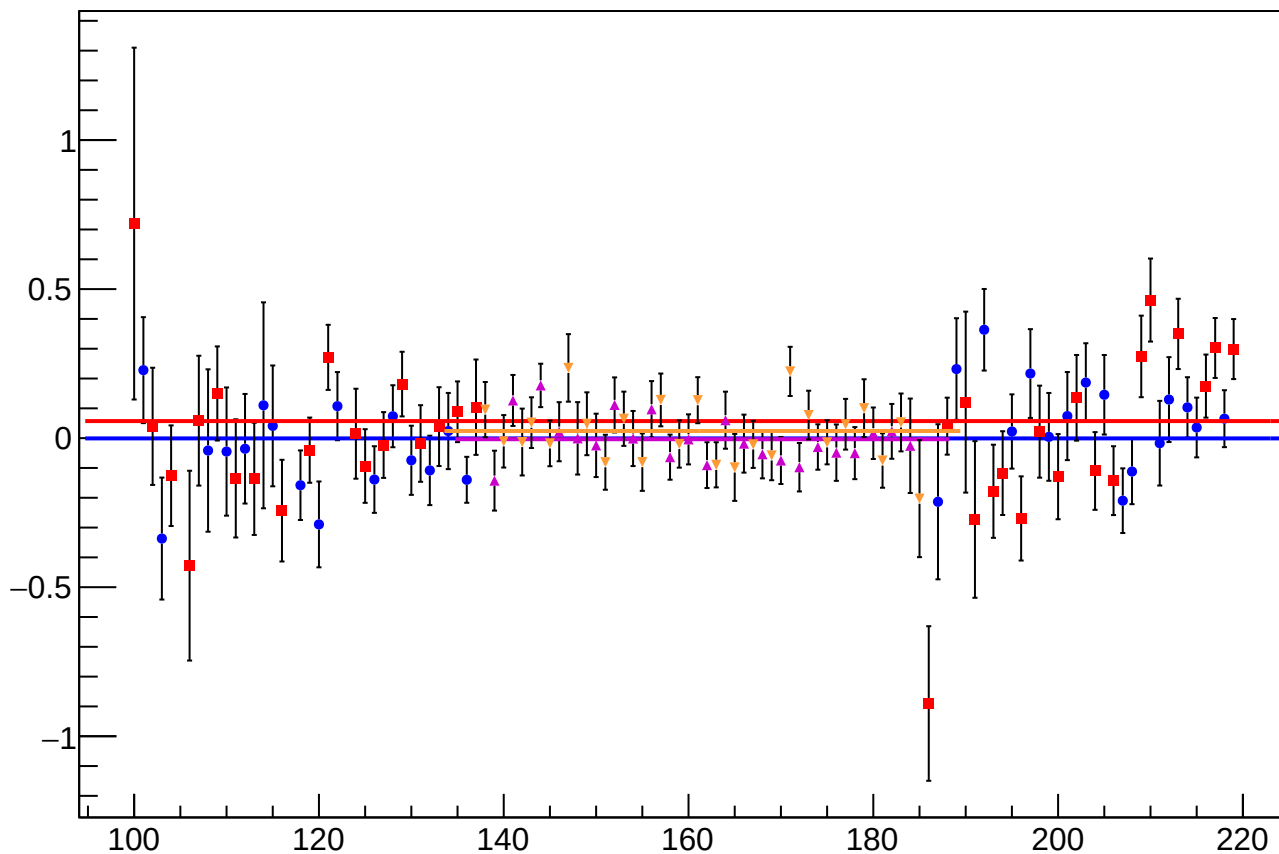
Right Out: 101.088+/-0.016 χ^2/NDF : 2573537.0/36

All: 86.892+/-0.007 χ^2/NDF : 8049736.6/116

- sign 87.645+/-0.010 χ^2/NDF : 4248898.7/59

Left In: 78.615+/-0.013 χ^2/NDF : 497808.4/22

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.023 $\chi^2/\text{NDF}: 40.4/31$

Left Out: 0.024 ± 0.018 $\chi^2/\text{NDF}: 25.5/24$

Right Out: 0.057 ± 0.023 $\chi^2/\text{NDF}: 79.8/36$

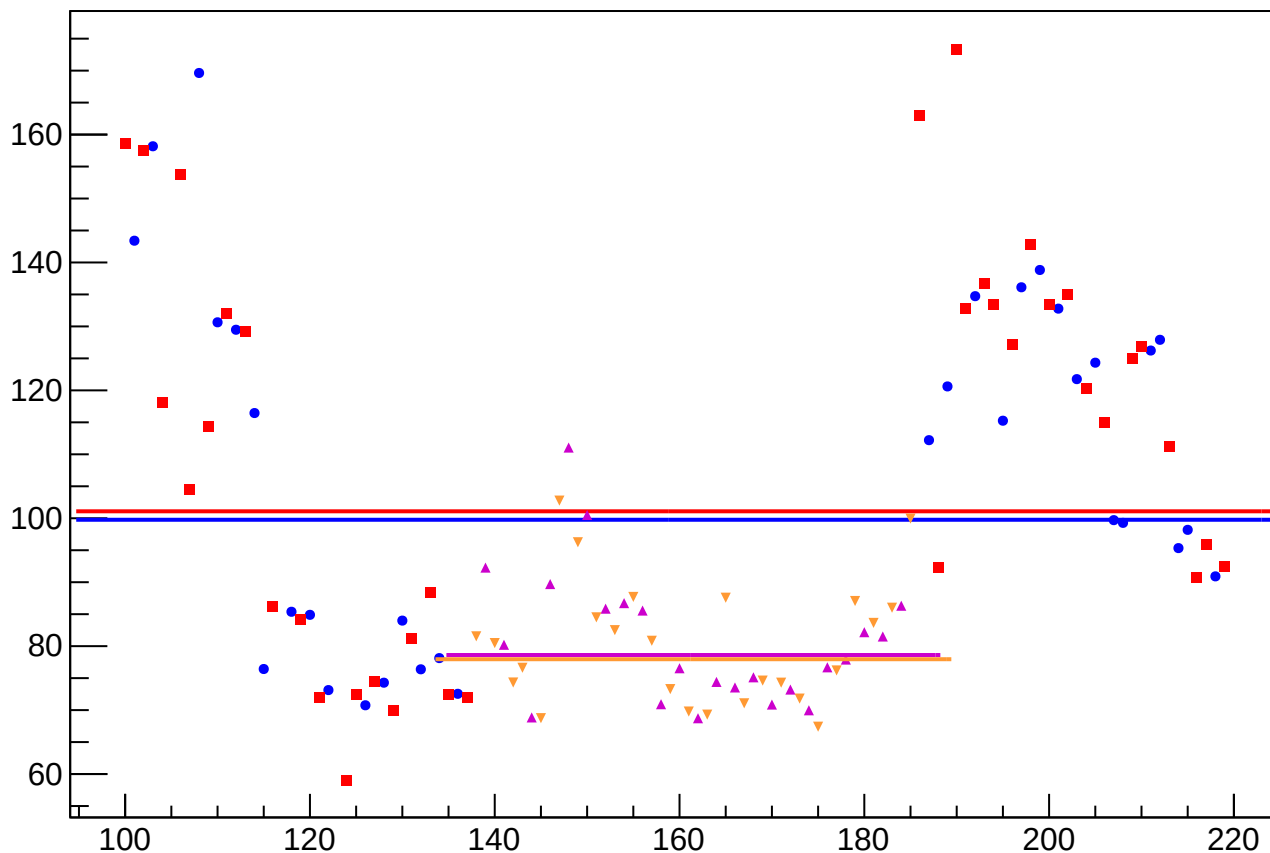
Left In: -0.004 ± 0.019 $\chi^2/\text{NDF}: 18.9/22$

+ sign 0.015 ± 0.014 $\chi^2/\text{NDF}: 66.7/56$

All: 0.018 ± 0.010 $\chi^2/\text{NDF}: 169.7/116$

- sign 0.021 ± 0.014 $\chi^2/\text{NDF}: 102.9/59$

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 99.765 $\pm$ 0.016 χ^2/NDF : 2227435.3/31

Left Out: 77.957 $\pm$ 0.013 χ^2/NDF : 439703.9/24

Right Out: 101.088 $\pm$ 0.016 χ^2/NDF : 2573537.0/36

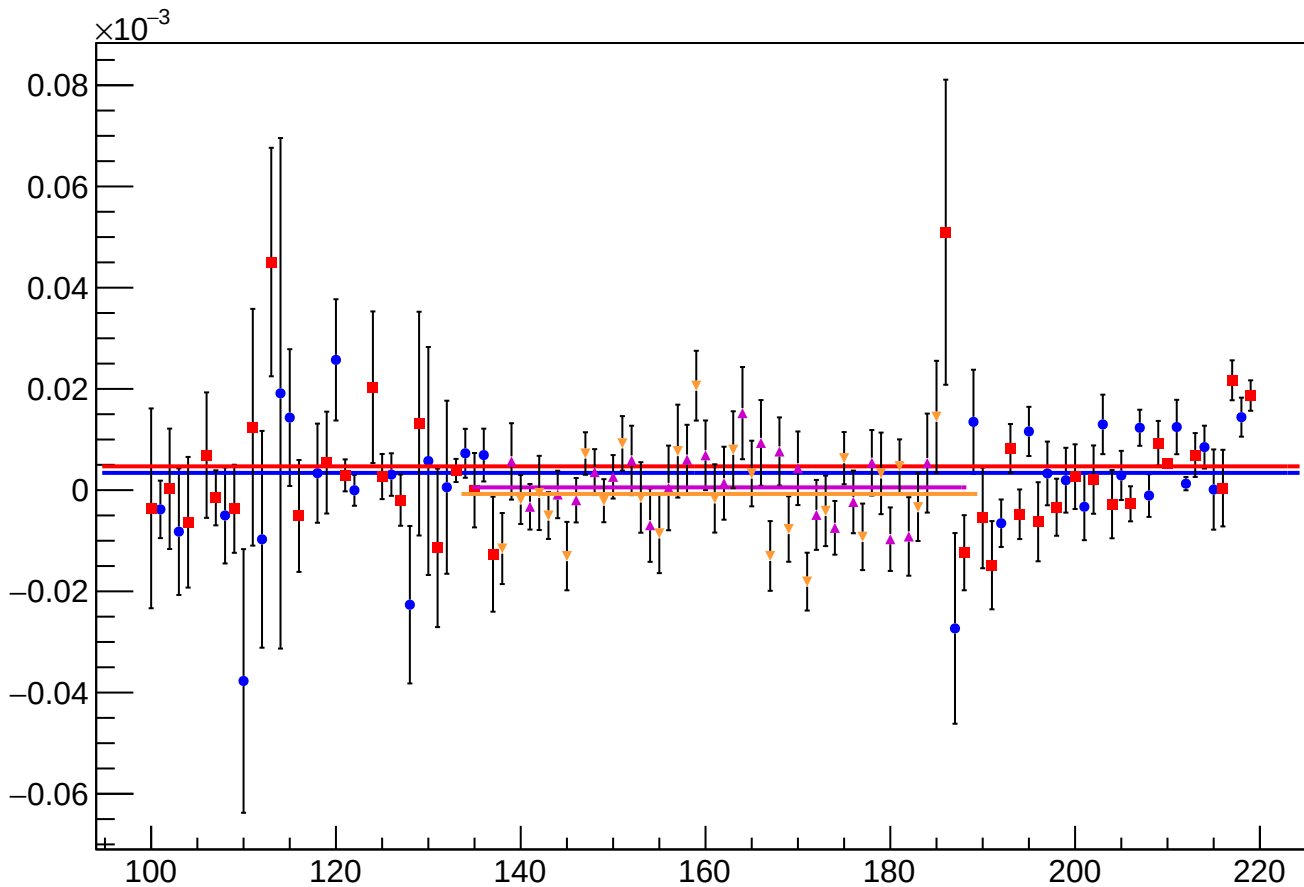
Left In: 78.615 $\pm$ 0.013 χ^2/NDF : 497808.4/22

+ sign 86.166 $\pm$ 0.010 χ^2/NDF : 3790037.0/56

All: 86.892 $\pm$ 0.007 χ^2/NDF : 8049736.6/116

- sign 87.645 $\pm$ 0.010 χ^2/NDF : 4248898.7/59

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 52.9/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:47.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 85.1/36

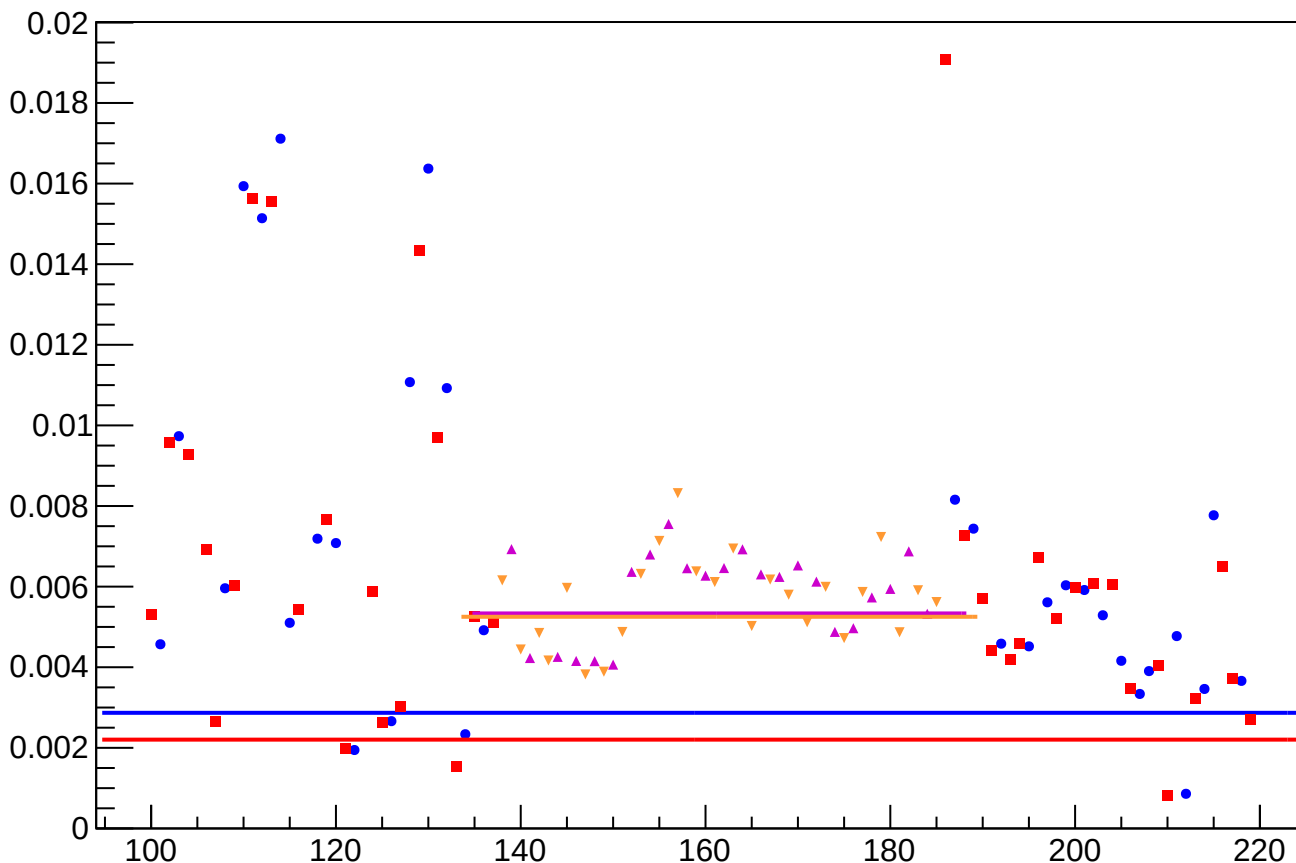
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:18.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 108.4/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 224.1/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 112.0/59

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 14066864.5/31

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:1511867.7/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 18466965.3/36

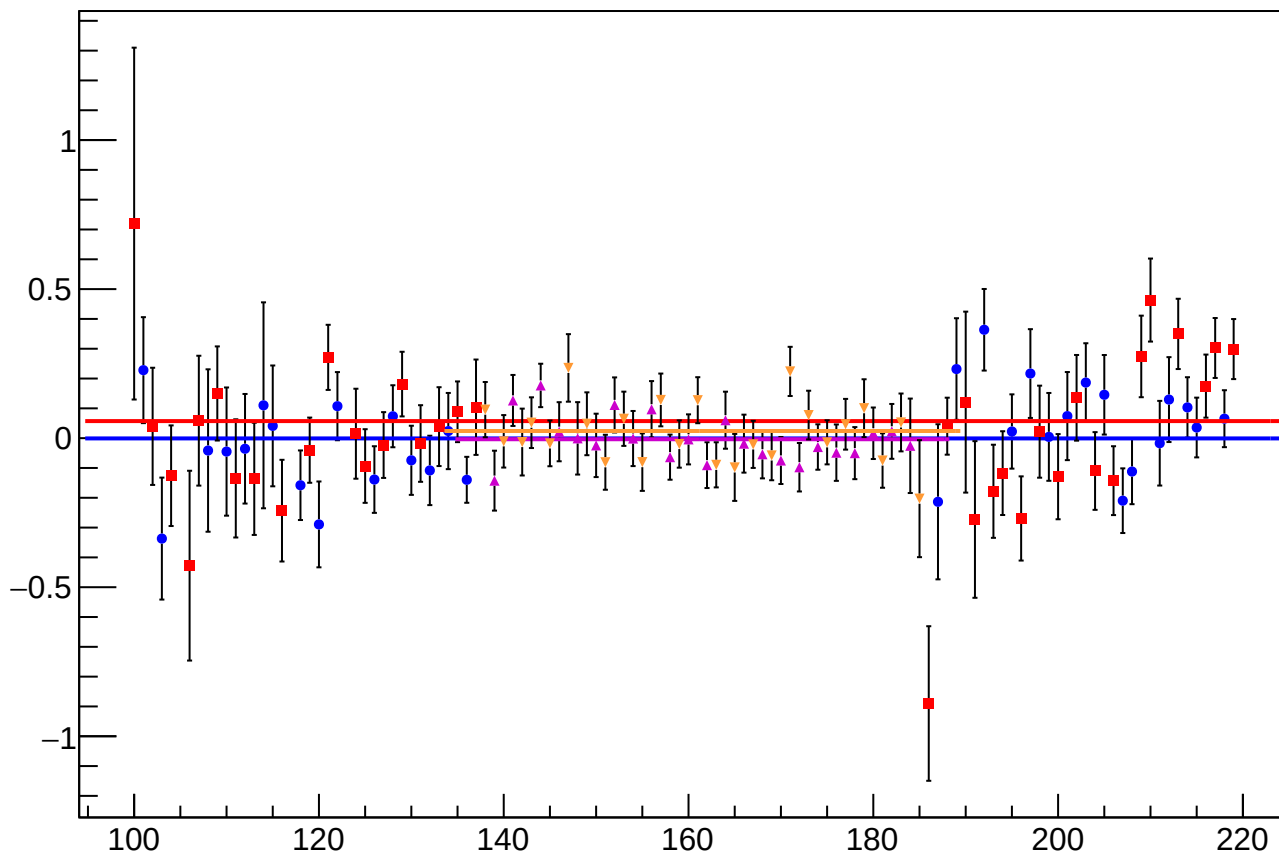
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:1508187.9/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 20783756.1/56

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 51650519.4/116

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 29438244.4/59

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.023 χ^2/NDF : 40.4/31

Left Out: 0.024 ± 0.018 χ^2/NDF : 25.5/24

Right Out: 0.057 ± 0.023 χ^2/NDF : 79.8/36

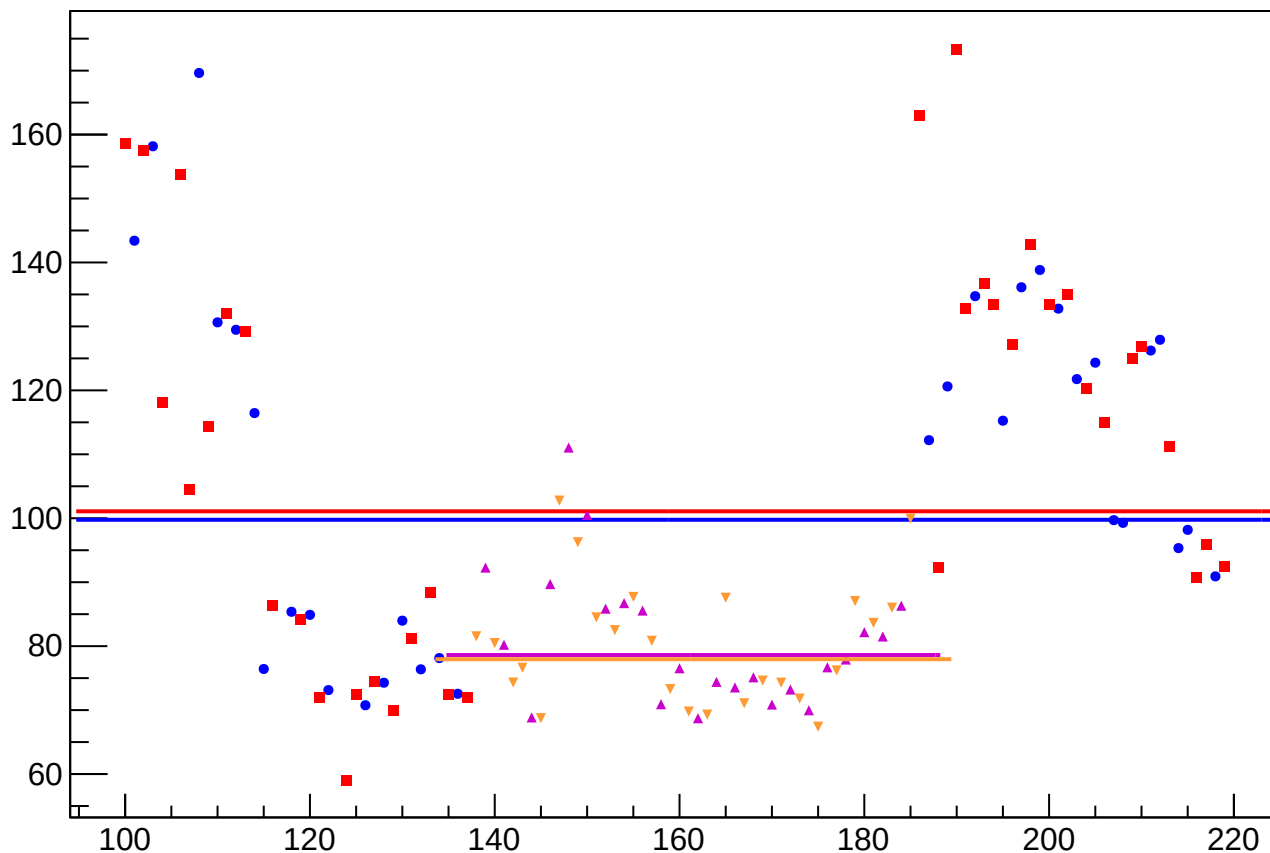
Left In: -0.004 ± 0.019 χ^2/NDF : 18.9/22

+ sign 0.015 ± 0.014 χ^2/NDF : 66.7/56

All: 0.018 ± 0.010 χ^2/NDF : 169.7/116

- sign 0.021 ± 0.014 χ^2/NDF : 102.9/59

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 99.763 $\pm$ 0.016 χ^2/NDF : 2227570.4/31

Left Out: 77.957 $\pm$ 0.013 χ^2/NDF : 439744.9/24

Right Out: 101.086 $\pm$ 0.016 χ^2/NDF : 2573644.7/36

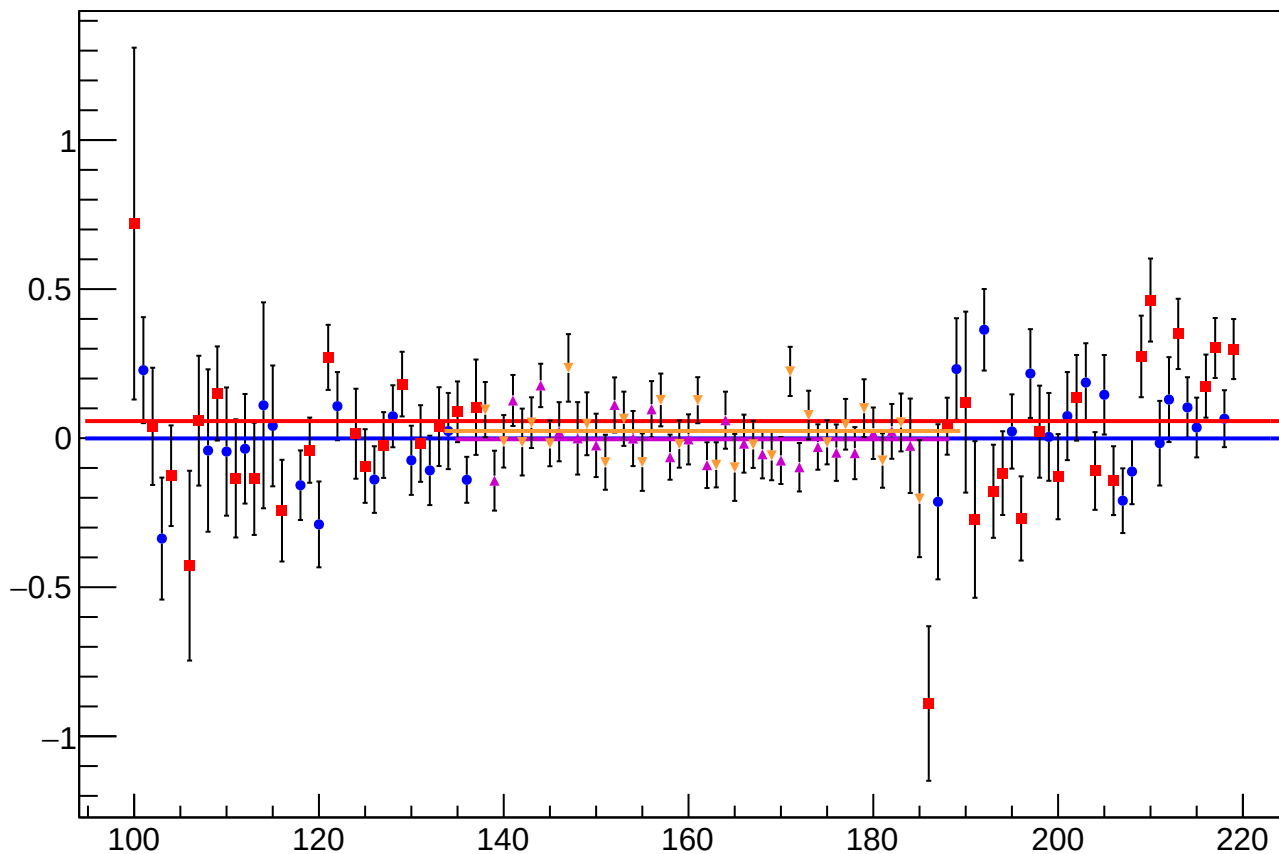
Left In: 78.614 $\pm$ 0.013 χ^2/NDF : 497846.3/22

+ sign 86.165 $\pm$ 0.010 χ^2/NDF : 3790105.9/56

All: 86.891 $\pm$ 0.007 χ^2/NDF : 8049894.8/116

- sign 87.644 $\pm$ 0.010 χ^2/NDF : 4248990.1/59

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.023 χ^2/NDF : 40.4/31

Left Out: 0.024 ± 0.018 χ^2/NDF : 25.5/24

Right Out: 0.057 ± 0.023 χ^2/NDF : 79.8/36

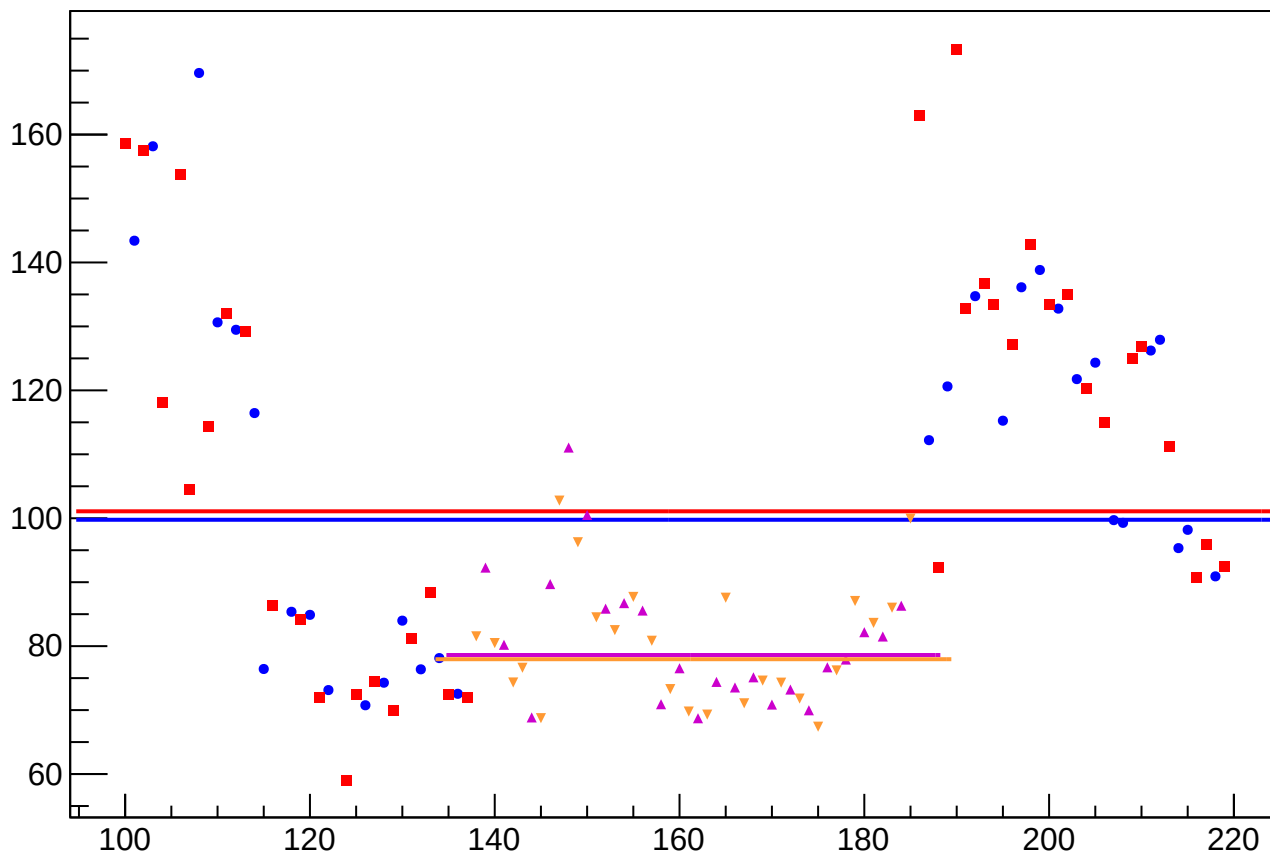
Left In: -0.004 ± 0.019 χ^2/NDF : 18.9/22

+ sign 0.015 ± 0.014 χ^2/NDF : 66.7/56

All: 0.018 ± 0.010 χ^2/NDF : 169.7/116

- sign 0.021 ± 0.014 χ^2/NDF : 102.9/59

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 99.763+/-0.016 χ^2/NDF : 2227570.4/31

Left Out: 77.957+/-0.013 χ^2/NDF : 439744.9/24

Right Out: 101.086+/-0.016 χ^2/NDF : 2573644.7/36

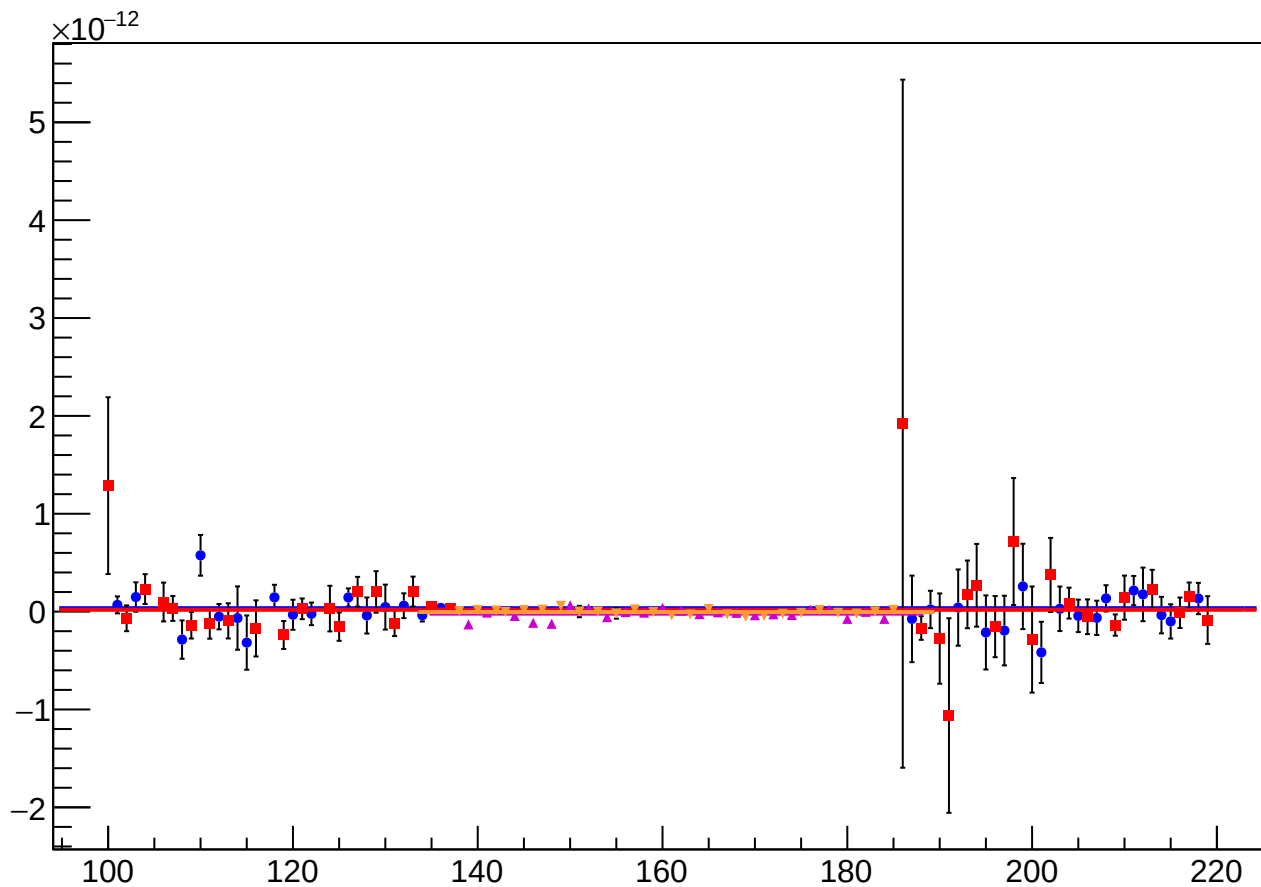
Left In: 78.614+/-0.013 χ^2/NDF : 497846.3/22

+ sign 86.165+/-0.010 χ^2/NDF : 3790105.9/56

All: 86.891+/-0.007 χ^2/NDF : 8049894.8/116

- sign 87.644+/-0.010 χ^2/NDF : 4248990.1/59

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.5/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:13.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.4/36

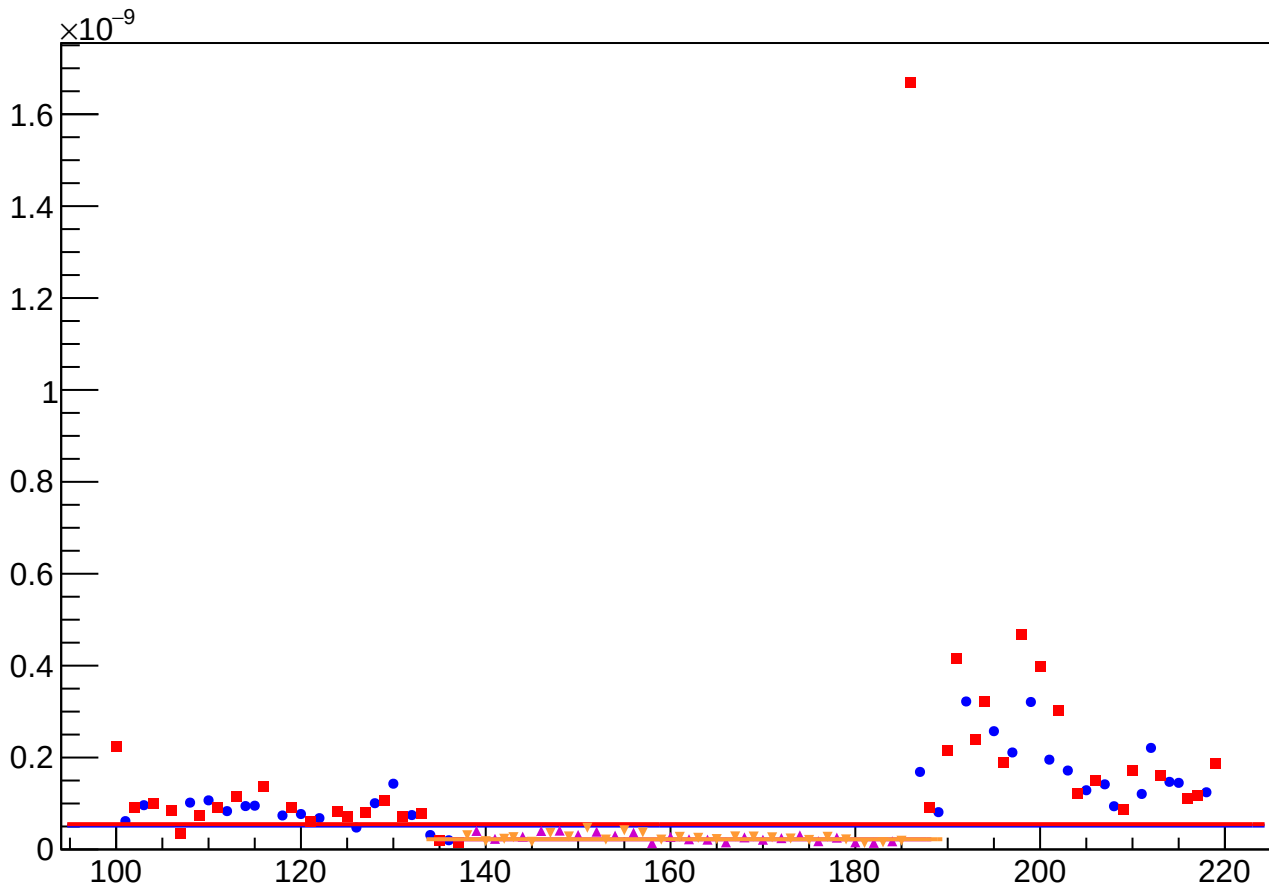
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:40.1/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 40.4/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 118.3/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 74.0/59

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 12090968.7/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2302790.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13975907.8/36

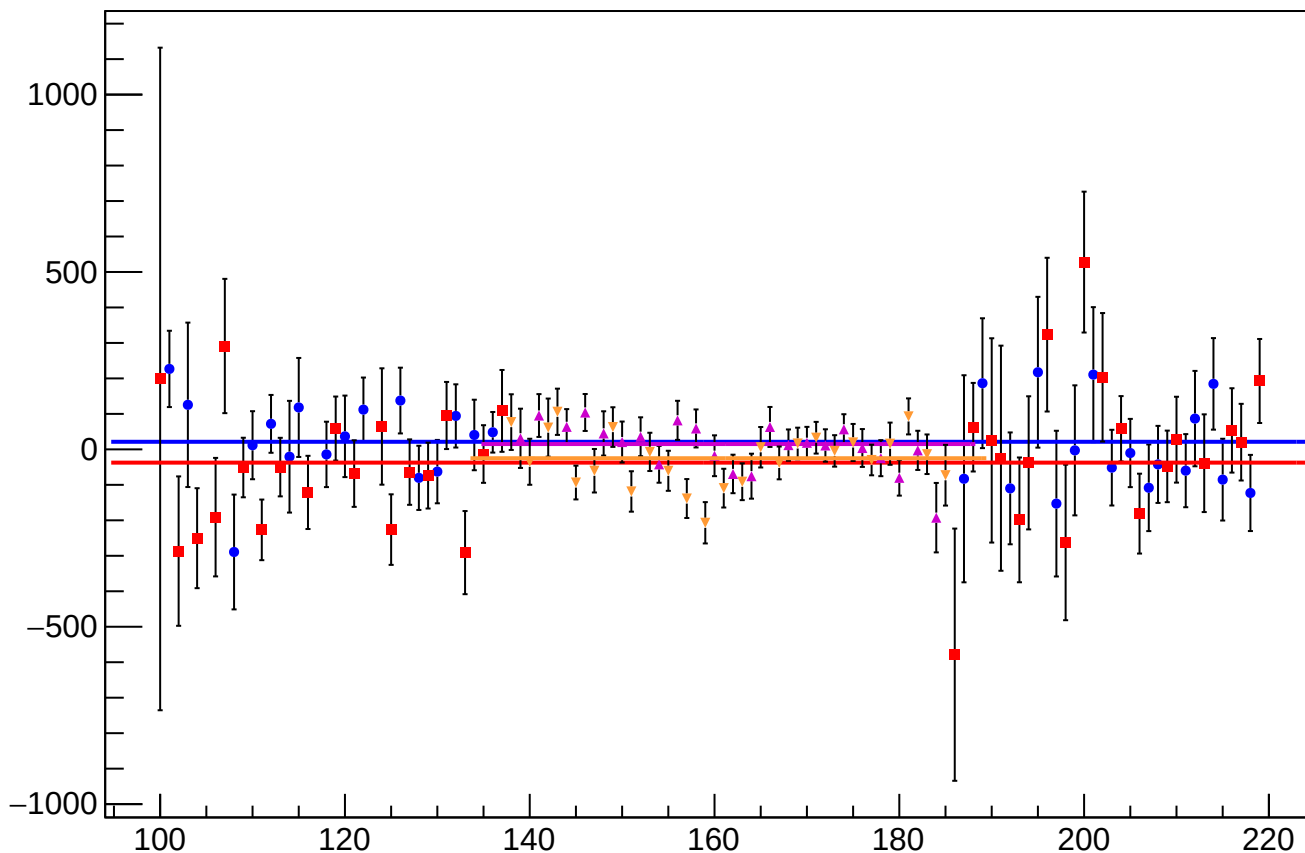
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2802318.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18737328.4/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40383308.7/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21645979.6/59

reg_asym_sam_37_dd_mean vs Slug



Right In: 21.367 ± 19.570 χ^2/NDF : 25.7/31

Left Out: -24.988 ± 10.888 χ^2/NDF : 43.1/24

Right Out: -37.390 ± 19.711 χ^2/NDF : 52.3/36

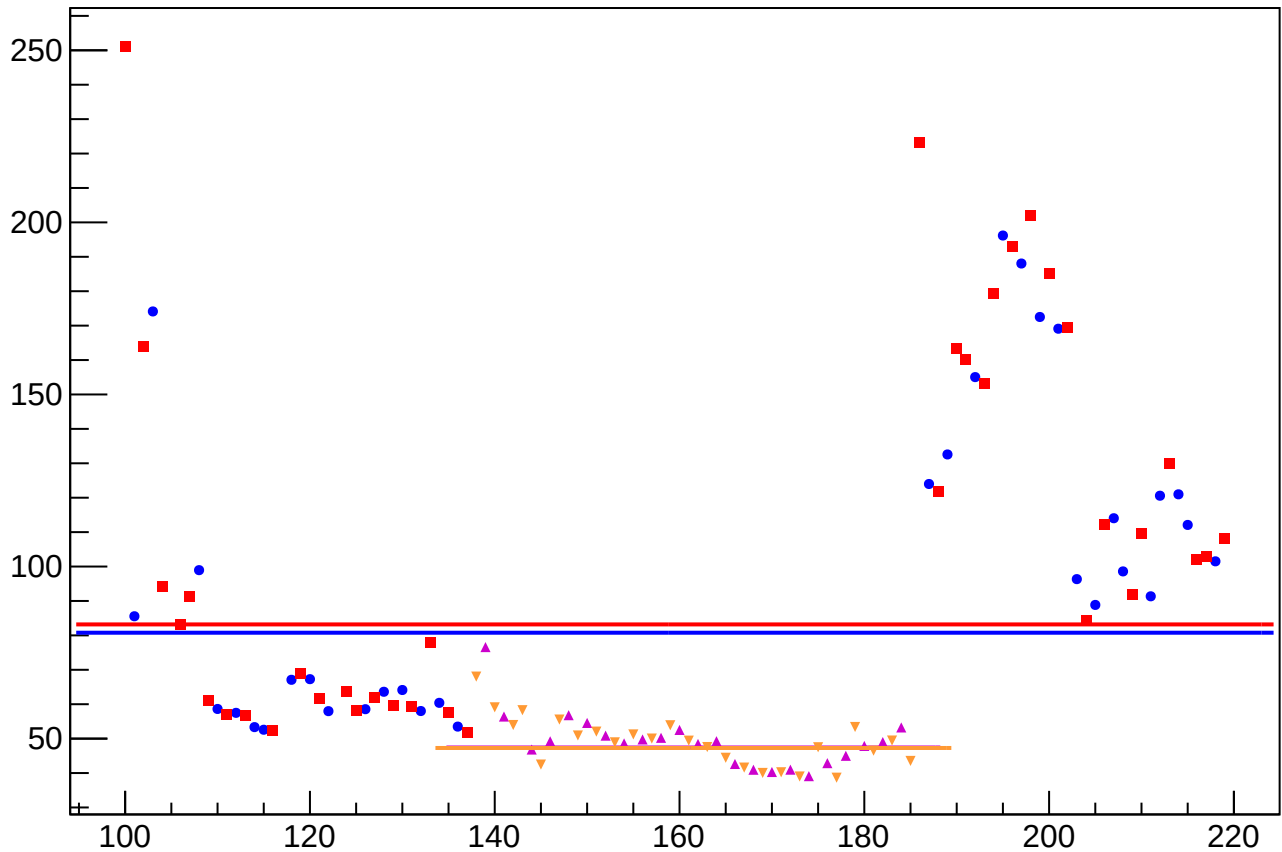
Left In: 14.994 ± 11.218 χ^2/NDF : 24.7/22

+ sign -14.031 ± 9.514 χ^2/NDF : 73.1/56

All: -6.125 ± 6.809 χ^2/NDF : 156.8/116

- sign 2.178 ± 9.750 χ^2/NDF : 82.3/59

reg_asym_sam_37_dd_rms vs Slug



Right In: 80.772 $\pm$ 0.014 χ^2 /NDF: 5477925.4/31

Left Out: 47.284 $\pm$ 0.008 χ^2 /NDF: 717249.8/24

Right Out: 83.185 $\pm$ 0.014 χ^2 /NDF: 6483406.5/36

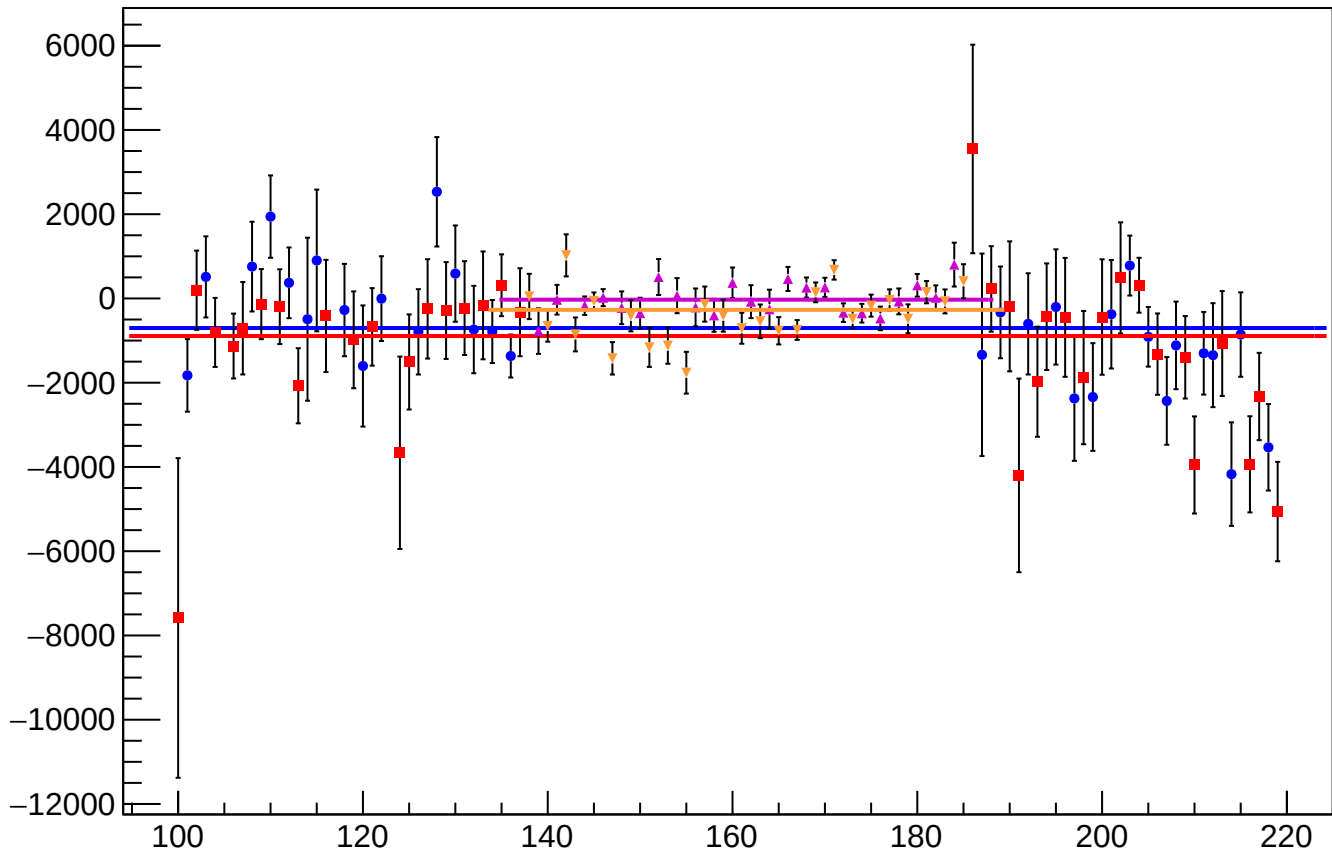
Left In: 47.425 $\pm$ 0.008 χ^2 /NDF: 655736.9/22

+ sign 55.199 $\pm$ 0.007 χ^2 /NDF: 10667351.3/56

All: 55.674 $\pm$ 0.005 χ^2 /NDF: 22789028.6/116

- sign 56.174 $\pm$ 0.007 χ^2 /NDF: 12111428.2/59

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -701.553 ± 177.842 $\chi^2/\text{NDF}: 52.2/31$

Left Out: -271.031 ± 62.346 $\chi^2/\text{NDF}: 73.9/24$

Right Out: -891.850 ± 177.972 $\chi^2/\text{NDF}: 55.7/36$

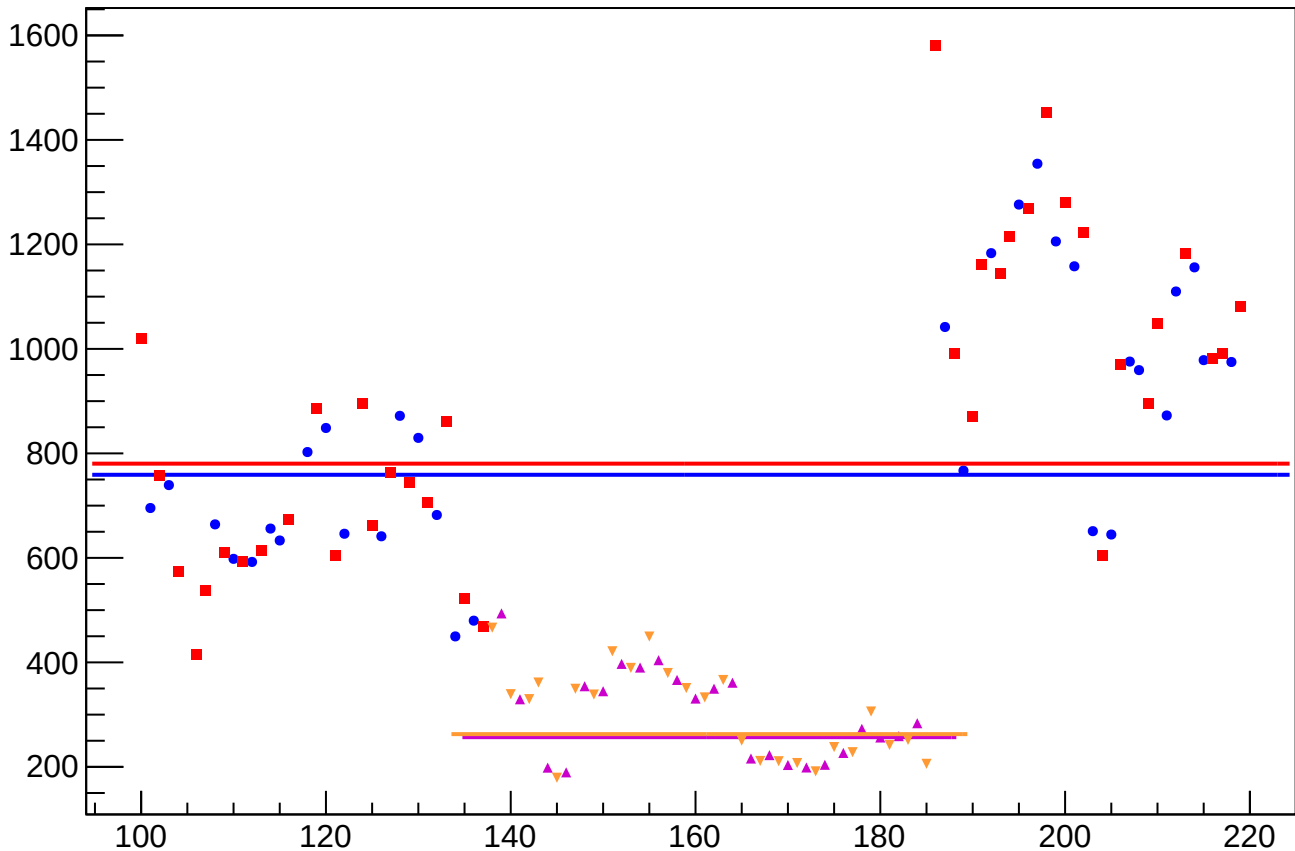
Left In: -29.200 ± 62.671 $\chi^2/\text{NDF}: 24.4/22$

+ sign -318.151 ± 58.835 $\chi^2/\text{NDF}: 131.3/56$

All: -221.716 ± 41.701 $\chi^2/\text{NDF}: 237.7/116$

- sign -124.368 ± 59.113 $\chi^2/\text{NDF}: 101.0/59$

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 759.045 $\pm$ 0.126 χ^2 /NDF: 3376505.9/31

Left Out: 262.679 $\pm$ 0.044 χ^2 /NDF: 2893255.4/24

Right Out: 780.352 $\pm$ 0.126 χ^2 /NDF: 4184974.1/36

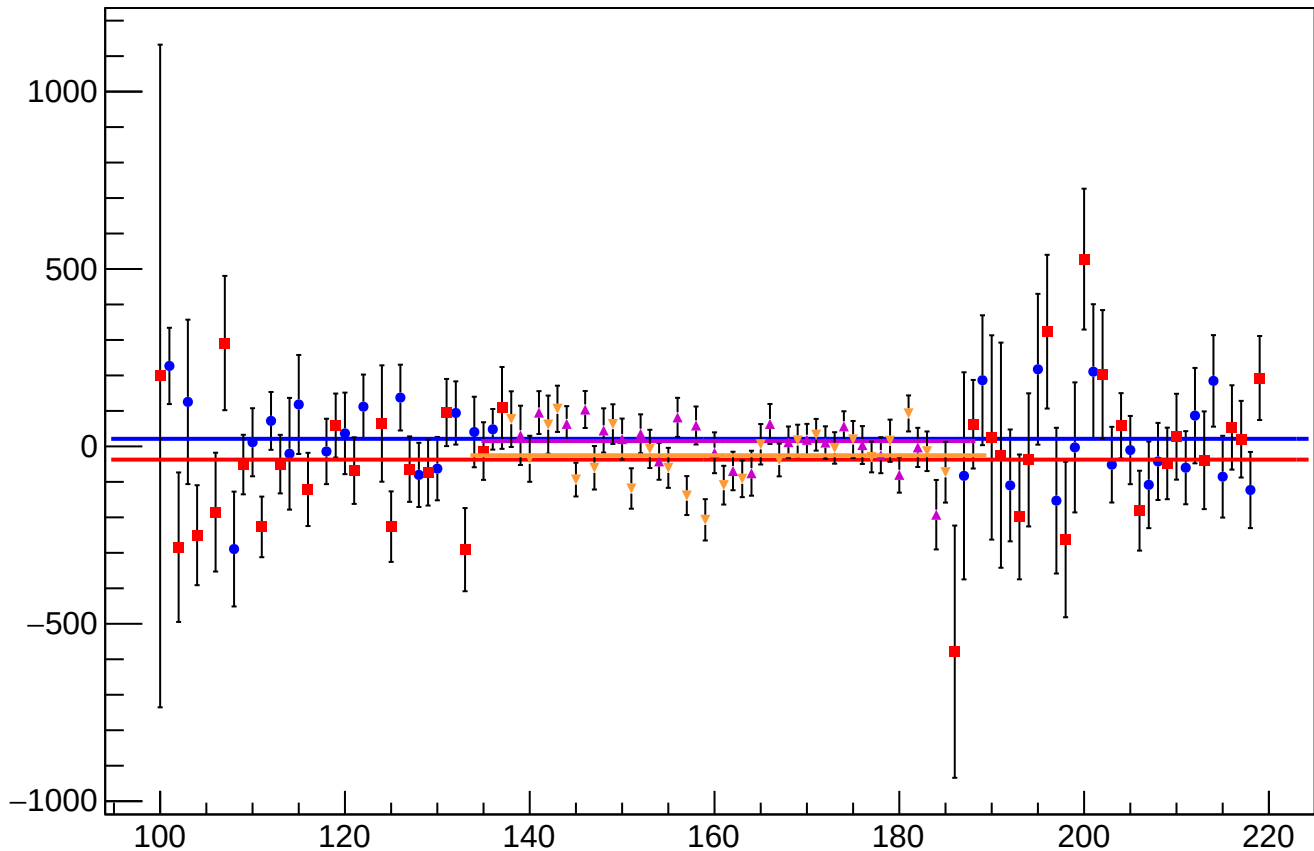
Left In: 256.842 $\pm$ 0.044 χ^2 /NDF: 2639200.9/22

+ sign 317.005 $\pm$ 0.042 χ^2 /NDF: 20144496.5/56

All: 315.806 $\pm$ 0.029 χ^2 /NDF: 42366376.6/1

- sign 314.596 $\pm$ 0.042 χ^2 /NDF: 22220211.9/59

cor_asym_sam_37_dd_mean vs Slug



Right In: 21.361 ± 19.570 χ^2/NDF : 25.7/31

Left Out: -24.985 ± 10.888 χ^2/NDF : 43.1/24

Right Out: -37.271 ± 19.712 χ^2/NDF : 52.2/36

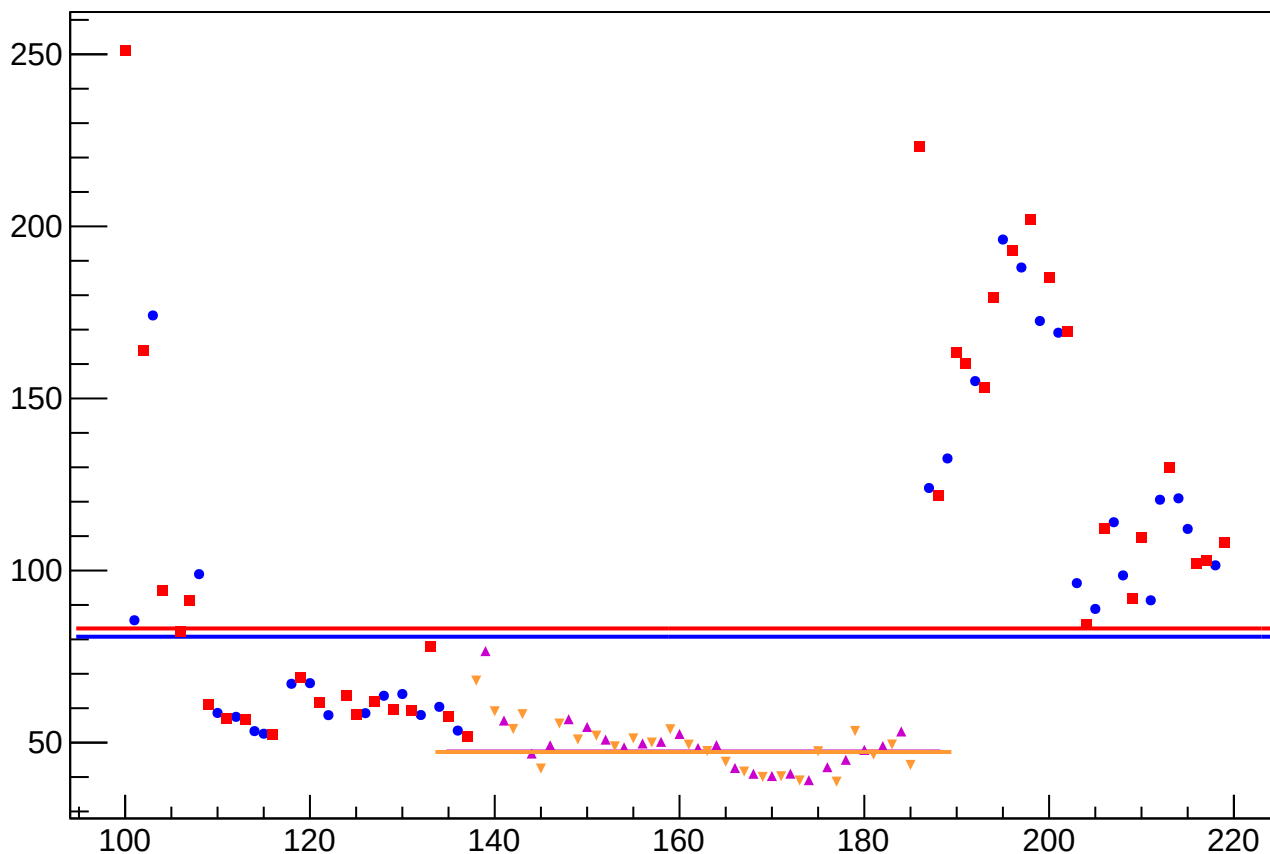
Left In: 14.992 ± 11.218 χ^2/NDF : 24.7/22

+ sign -14.030 ± 9.514 χ^2/NDF : 73.1/56

All: -6.110 ± 6.809 χ^2/NDF : 156.7/116

- sign 2.206 ± 9.750 χ^2/NDF : 82.2/59

cor_asym_sam_37_dd_rms vs Slug



Right In: 80.772 $\pm$ 0.014 χ^2 /NDF: 5477927.9/31

Left Out: 47.284 $\pm$ 0.008 χ^2 /NDF: 717249.7/24

Right Out: 83.171 $\pm$ 0.014 χ^2 /NDF: 6483659.2/36

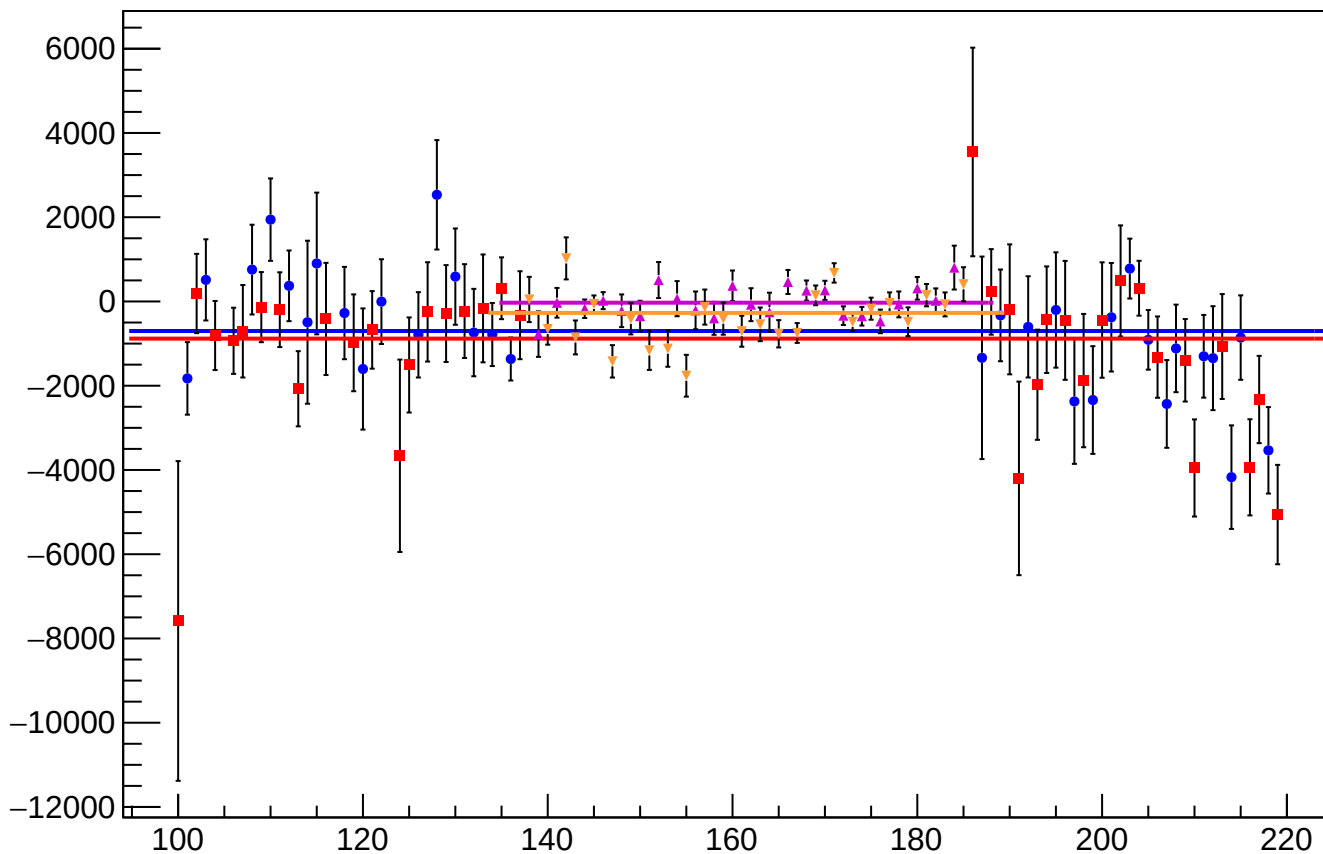
Left In: 47.425 $\pm$ 0.008 χ^2 /NDF: 655736.9/22

+ sign 55.199 $\pm$ 0.007 χ^2 /NDF: 10667353.0/56

All: 55.672 $\pm$ 0.005 χ^2 /NDF: 22784958.7/116

- sign 56.170 $\pm$ 0.007 χ^2 /NDF: 12107440.5/59

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -701.555 ± 177.843 $\chi^2/\text{NDF}: 52.2/31$

Left Out: -271.027 ± 62.346 $\chi^2/\text{NDF}: 73.9/24$

Right Out: -881.676 ± 178.165 $\chi^2/\text{NDF}: 55.6/36$

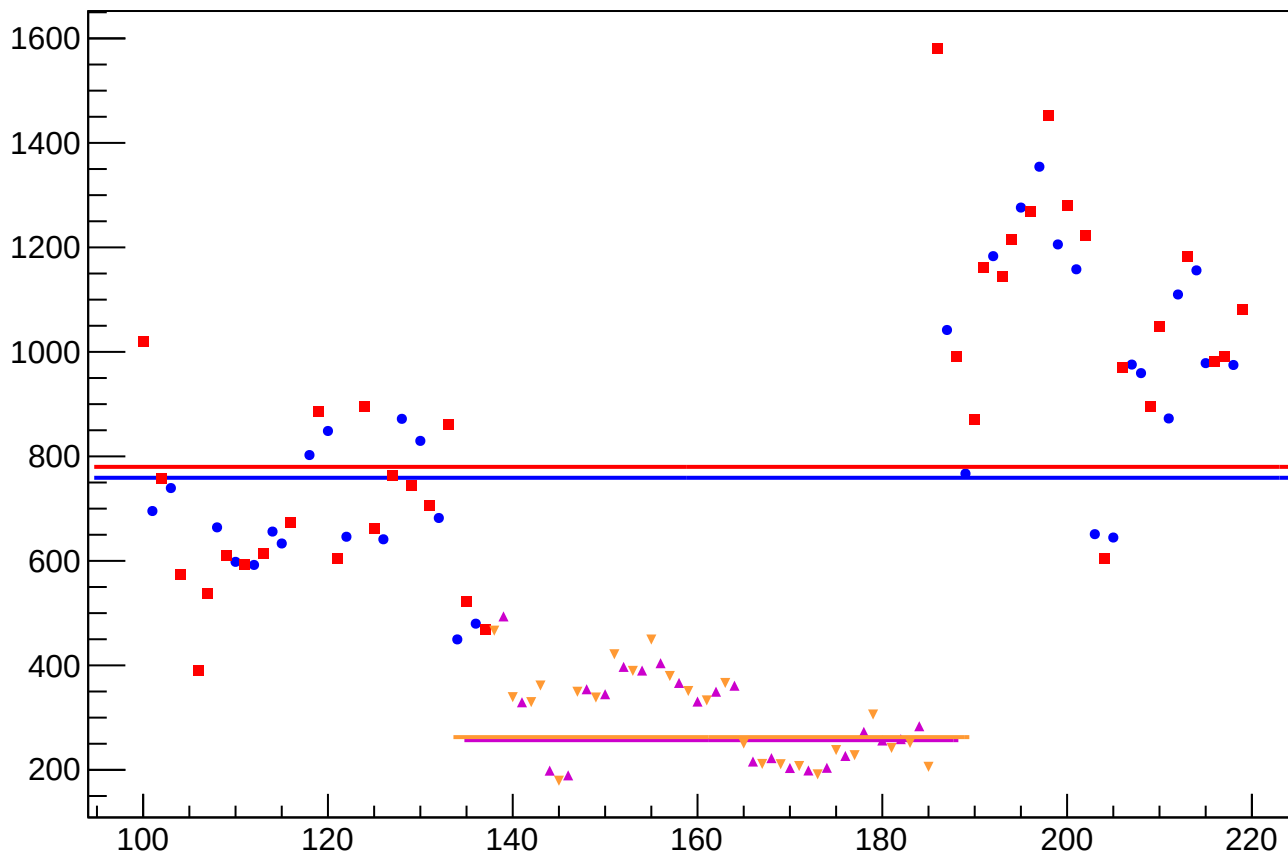
Left In: -29.202 ± 62.671 $\chi^2/\text{NDF}: 24.4/22$

+ sign -318.147 ± 58.835 $\chi^2/\text{NDF}: 131.3/56$

All: -221.077 ± 41.703 $\chi^2/\text{NDF}: 237.1/116$

- sign -123.067 ± 59.120 $\chi^2/\text{NDF}: 100.3/59$

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 759.048 $\pm$ 0.126 χ^2 /NDF: 3376499.2/31

Left Out: 262.679 $\pm$ 0.044 χ^2 /NDF: 2893257.1/24

Right Out: 779.942 $\pm$ 0.126 χ^2 /NDF: 4224578.9/36

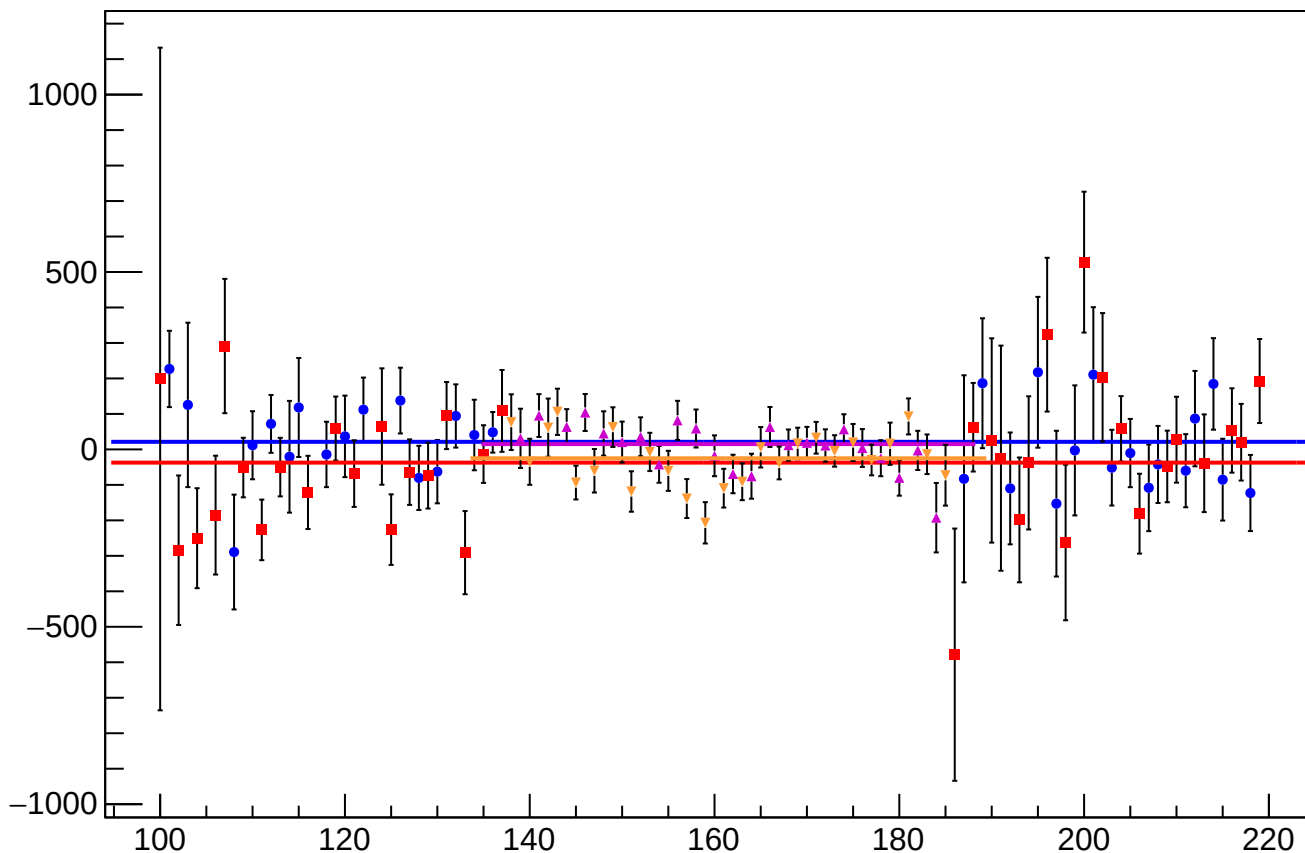
Left In: 256.842 $\pm$ 0.044 χ^2 /NDF: 2639196.2/22

+ sign 317.005 $\pm$ 0.042 χ^2 /NDF: 20144556.4/56

All: 315.728 $\pm$ 0.029 χ^2 /NDF: 42352511.8/1

- sign 314.440 $\pm$ 0.042 χ^2 /NDF: 22206064.1/59

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 21.361 $\pm$ 19.570 χ^2 /NDF: 25.7/31

Left Out: -24.985 $\pm$ 10.888 χ^2 /NDF: 43.1/24

Right Out: -37.271 $\pm$ 19.712 χ^2 /NDF: 52.2/36

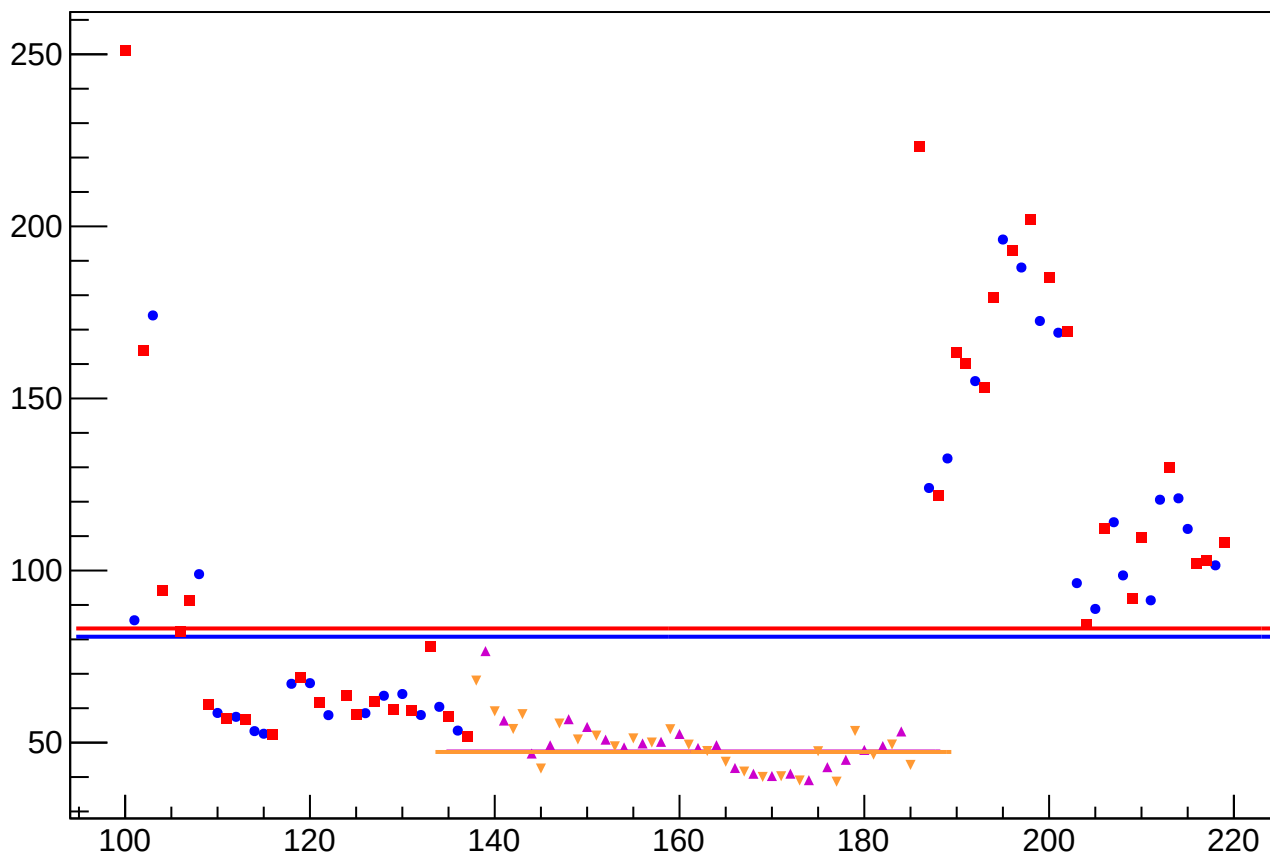
Left In: 14.992 $\pm$ 11.218 χ^2 /NDF: 24.7/22

+ sign -14.030 $\pm$ 9.514 χ^2 /NDF: 73.1/56

All: -6.110 $\pm$ 6.809 χ^2 /NDF: 156.7/116

- sign 2.206 $\pm$ 9.750 χ^2 /NDF: 82.2/59

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 80.772+/-0.014 χ^2/NDF : 5477927.9/31

Left Out: 47.284+/-0.008 χ^2/NDF : 717249.7/24

Right Out: 83.171+/-0.014 χ^2/NDF : 6483659.2/36

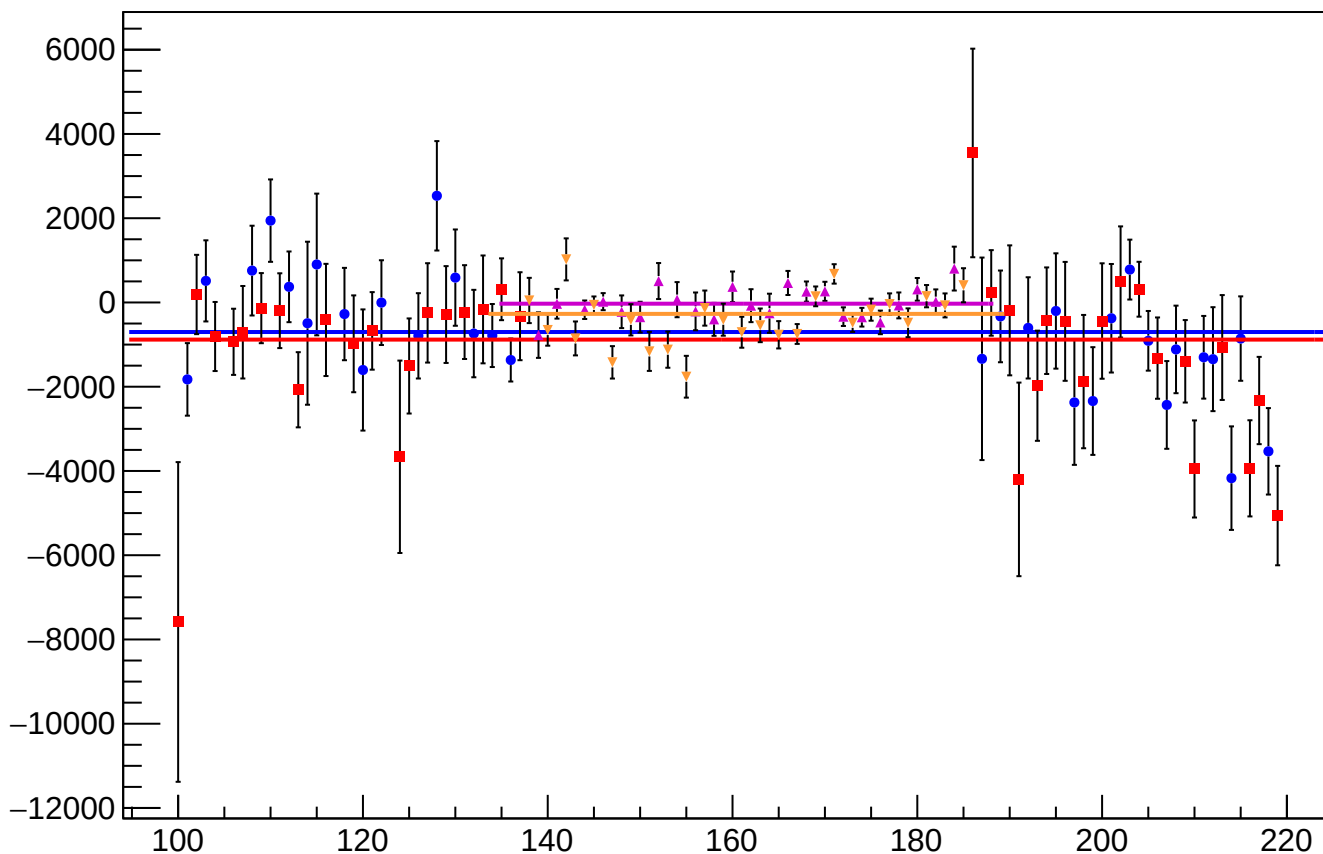
Left In: 47.425+/-0.008 χ^2/NDF : 655736.9/22

+ sign 55.199+/-0.007 χ^2/NDF : 10667353.0/56

All: 55.672+/-0.005 χ^2/NDF : 22784958.7/116

- sign 56.170+/-0.007 χ^2/NDF : 12107440.5/59

asym_sam_37_dd_eigen_cor_correction_mean vs Slug



Right In: -701.555 $\pm$ 177.843 χ^2 /NDF: 52.2/31

Left Out: -271.027 $\pm$ 62.346 χ^2 /NDF: 73.9/24

Right Out: -881.676 $\pm$ 178.165 χ^2 /NDF: 55.6/36

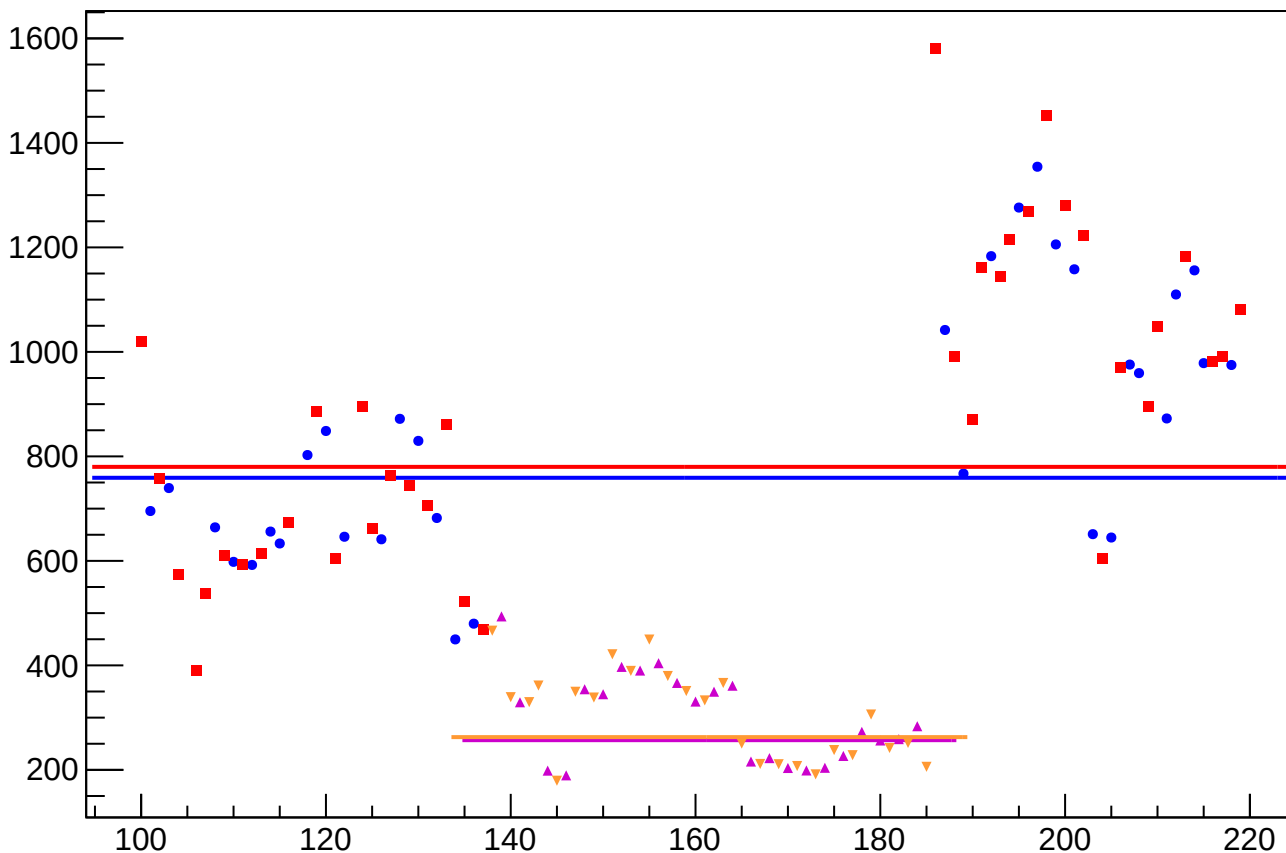
Left In: -29.202 $\pm$ 62.671 χ^2 /NDF: 24.4/22

+ sign -318.147 $\pm$ 58.835 χ^2 /NDF: 131.3/56

All: -221.077 $\pm$ 41.703 χ^2 /NDF: 237.1/116

- sign -123.067 $\pm$ 59.120 χ^2 /NDF: 100.3/59

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 759.048 $\pm$ 0.126 χ^2 /NDF: 3376499.2/31

Left Out: 262.679 $\pm$ 0.044 χ^2 /NDF: 2893257.1/24

Right Out: 779.942 $\pm$ 0.126 χ^2 /NDF: 4224578.9/36

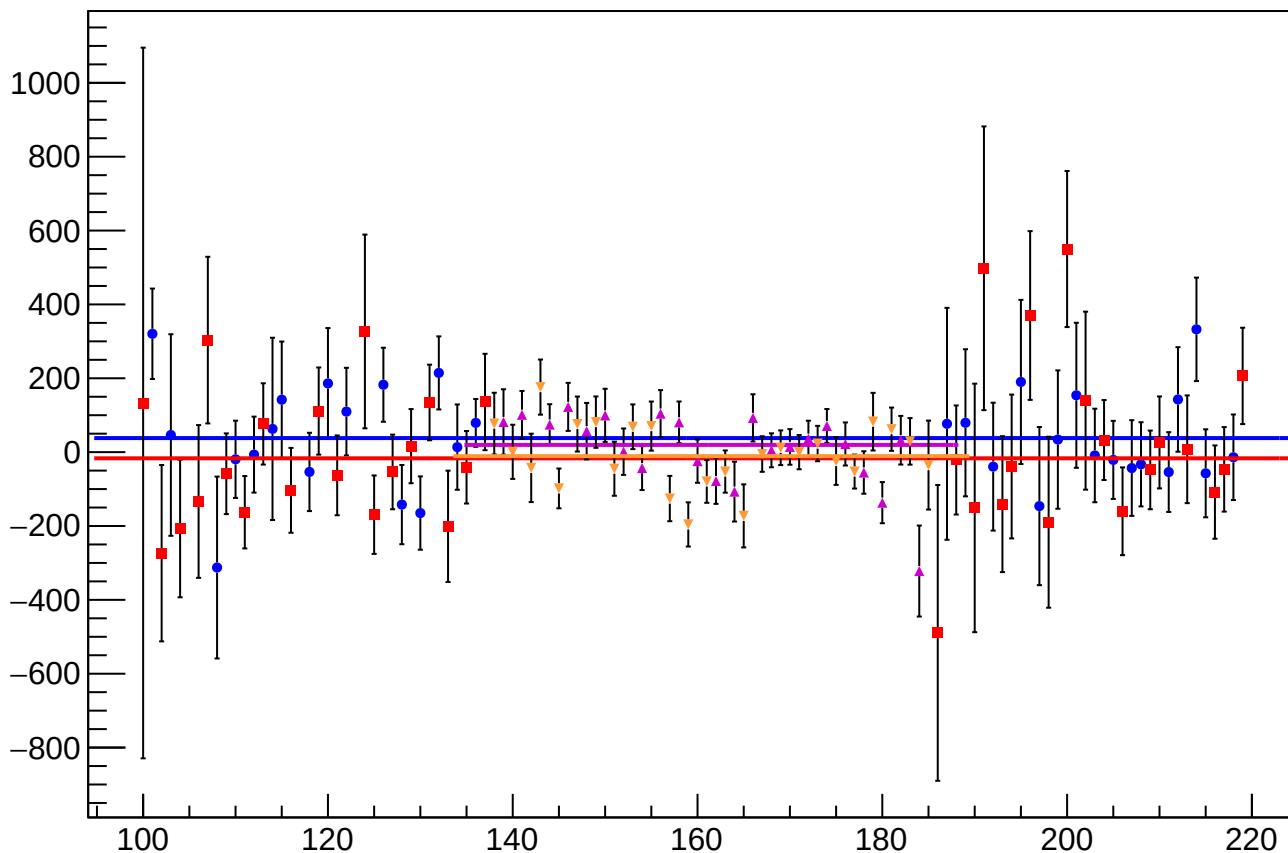
Left In: 256.842 $\pm$ 0.044 χ^2 /NDF: 2639196.2/22

+ sign 317.005 $\pm$ 0.042 χ^2 /NDF: 20144556.4/56

All: 315.728 $\pm$ 0.029 χ^2 /NDF: 42352511.8/1

- sign 314.440 $\pm$ 0.042 χ^2 /NDF: 22206064.1/59

dit_asym_sam_37_dd_mean vs Slug



Right In: 38.046 ± 22.182 χ^2/NDF : 32.6/31

Left Out: -10.823 ± 12.306 χ^2/NDF : 40.4/24

Right Out: -16.699 ± 22.640 χ^2/NDF : 39.0/36

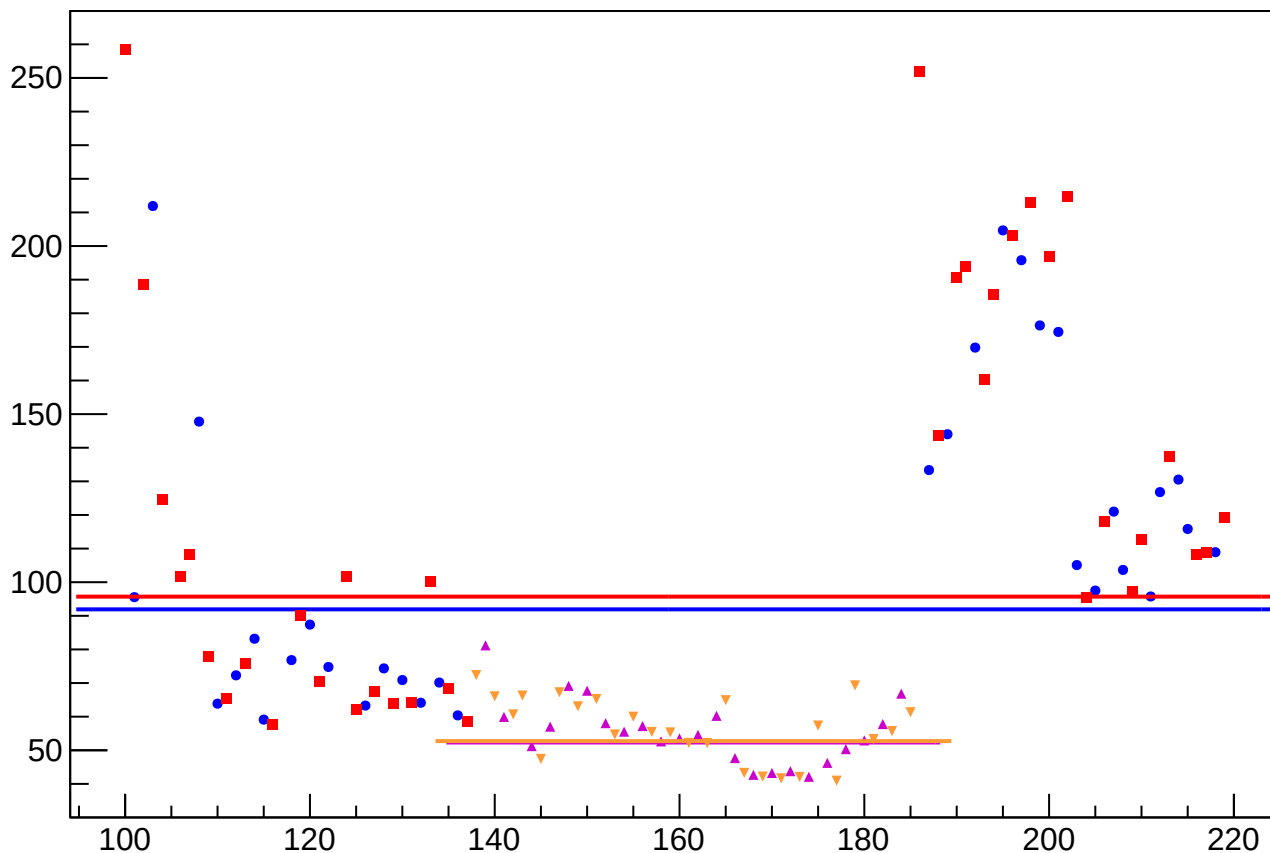
Left In: 19.597 ± 12.546 χ^2/NDF : 36.8/22

+ sign 0.678 ± 10.761 χ^2/NDF : 76.8/56

All: 5.772 ± 7.683 χ^2/NDF : 154.9/116

- sign 11.070 ± 10.974 χ^2/NDF : 77.7/59

dit_asym_sam_37_dd_rms vs Slug



Right In: 91.921 $\pm$ 0.016 χ^2 /NDF: 4761134.6/31

Left Out: 52.731 $\pm$ 0.009 χ^2 /NDF: 1167195.4/24

Right Out: 95.707 $\pm$ 0.016 χ^2 /NDF: 5892279.3/36

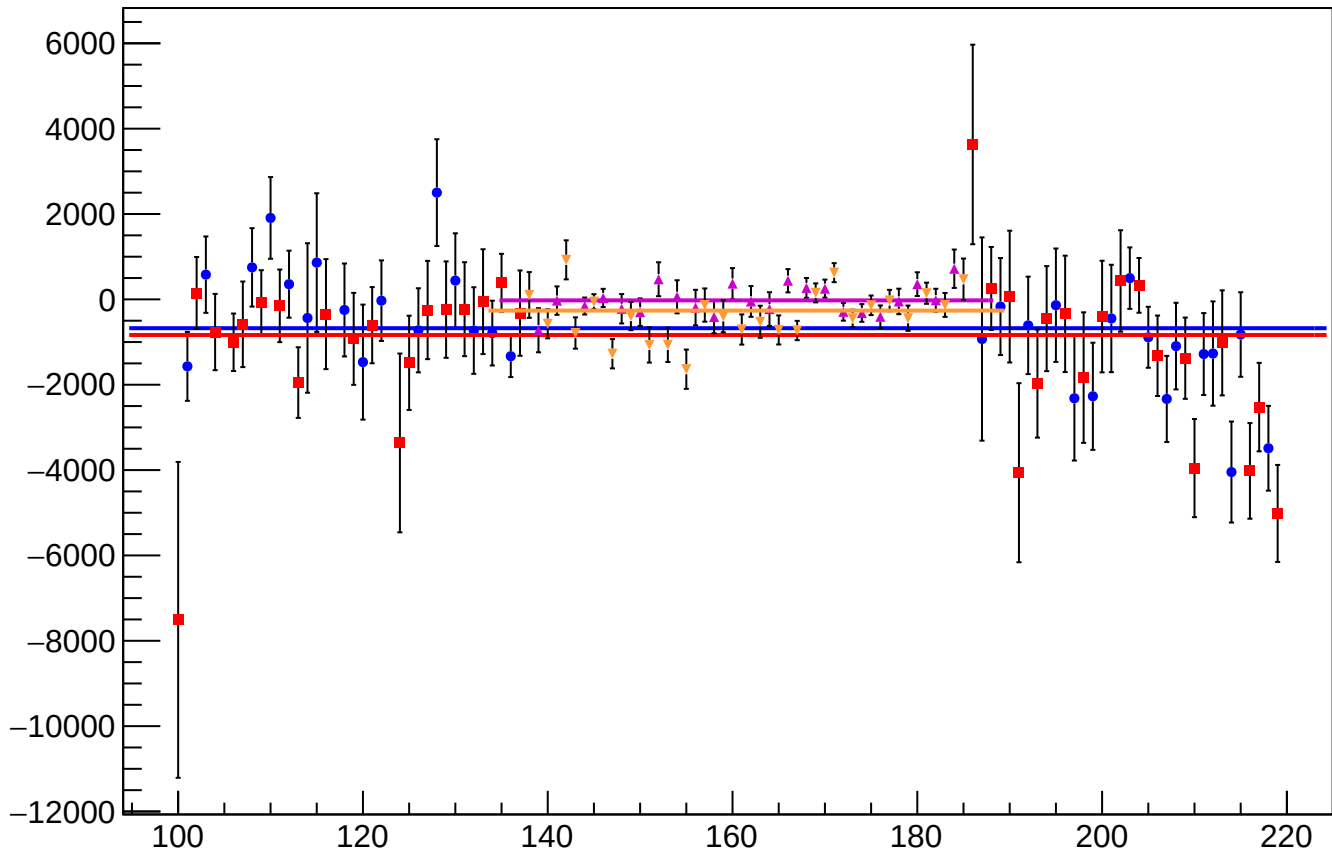
Left In: 52.314 $\pm$ 0.009 χ^2 /NDF: 891847.5/22

+ sign 61.954 $\pm$ 0.008 χ^2 /NDF: 10701848.5/56

All: 62.226 $\pm$ 0.005 χ^2 /NDF: 23109959.5/116

- sign 62.509 $\pm$ 0.008 χ^2 /NDF: 12405505.5/59

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -675.492 ± 172.431 χ^2/NDF : 51.5/31

Left Out: -262.582 ± 58.501 χ^2/NDF : 72.2/24

Right Out: -834.631 ± 170.250 χ^2/NDF : 60.8/36

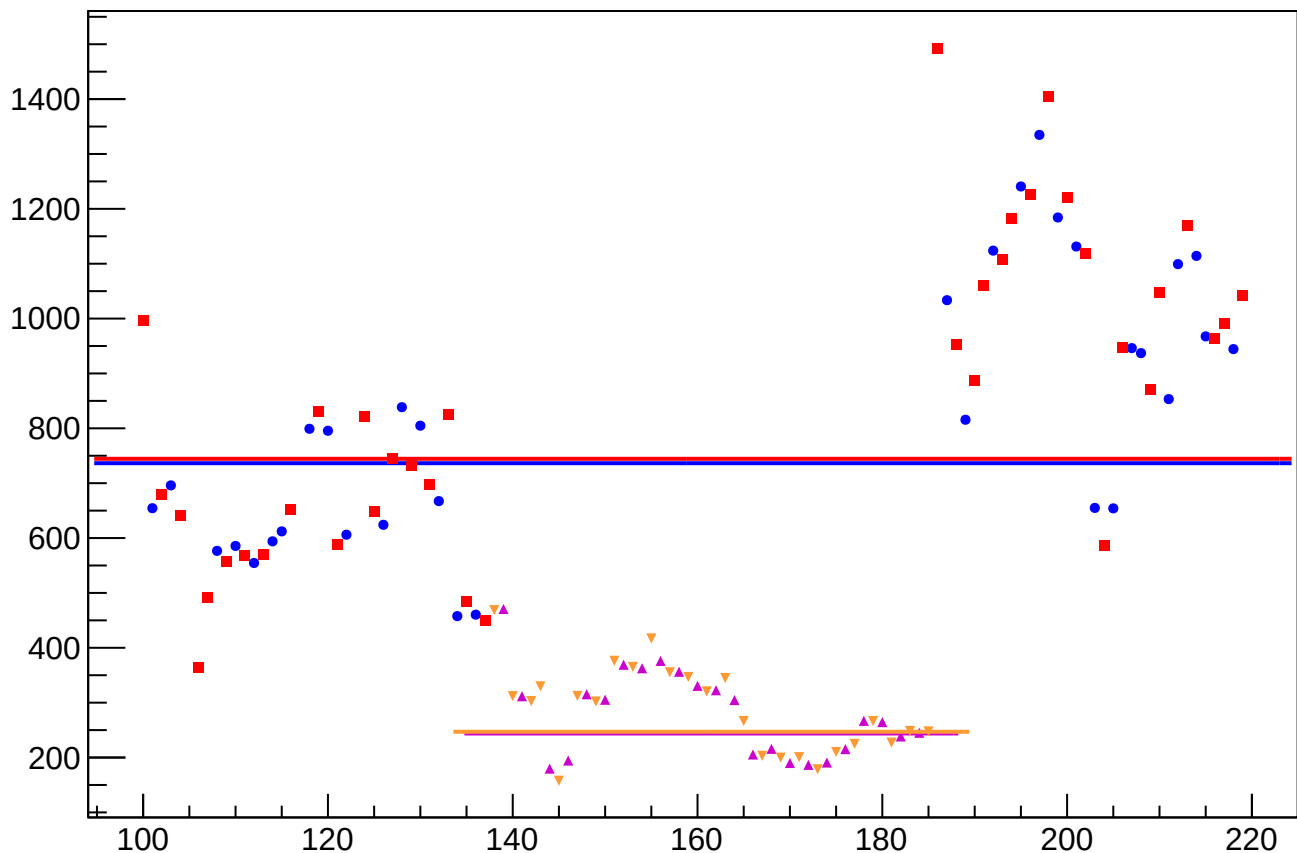
Left In: -23.469 ± 59.397 χ^2/NDF : 24.2/22

+ sign -305.203 ± 55.399 χ^2/NDF : 128.8/56

All: -209.531 ± 39.412 χ^2/NDF : 240.1/116

- sign -111.488 ± 56.082 χ^2/NDF : 105.3/59

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 736.417 $\pm$ 0.122 χ^2 /NDF: 3447613.8/31

Left Out: 246.995 $\pm$ 0.041 χ^2 /NDF: 2925691.6/24

Right Out: 744.462 $\pm$ 0.120 χ^2 /NDF: 4515458.2/36

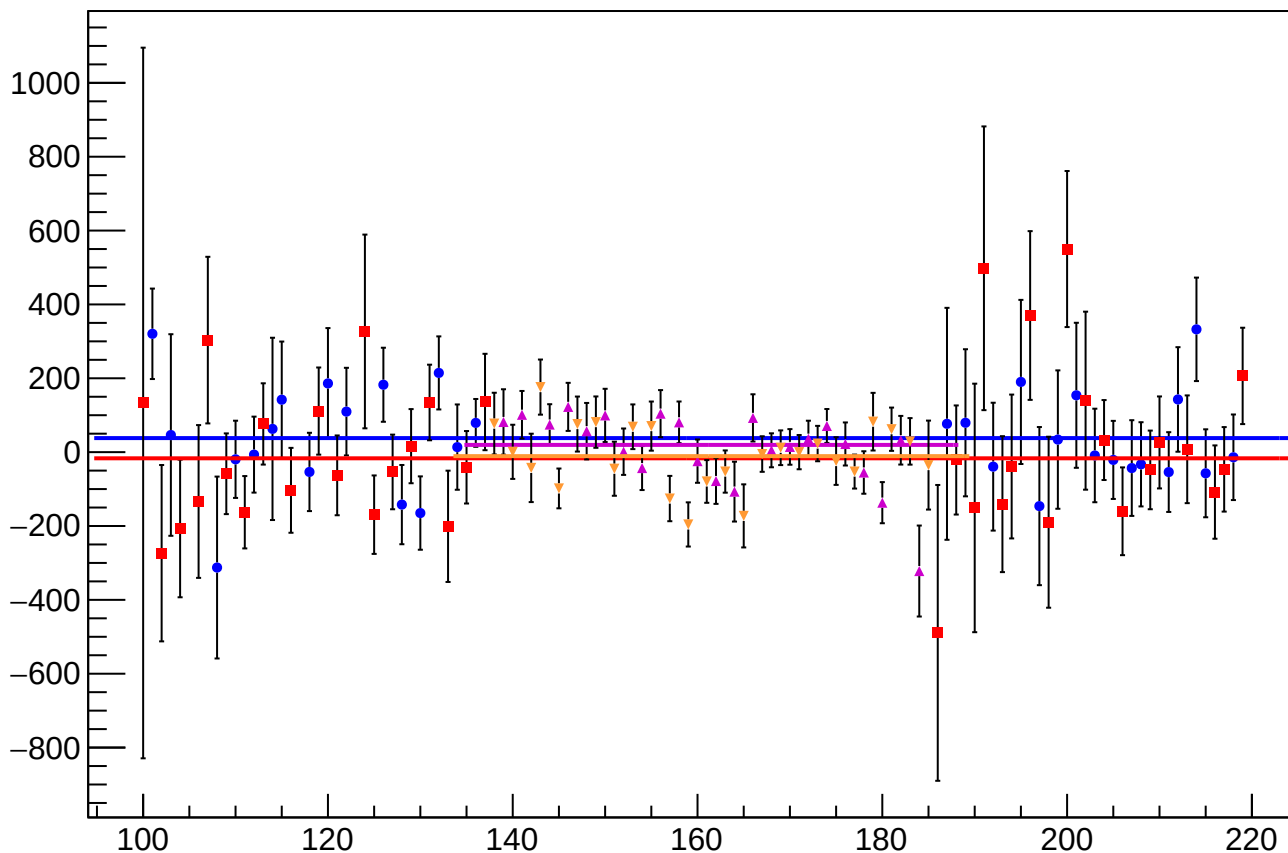
Left In: 243.825 $\pm$ 0.042 χ^2 /NDF: 2490545.8/22

+ sign 297.515 $\pm$ 0.039 χ^2 /NDF: 20822670.8/56

All: 297.828 $\pm$ 0.028 χ^2 /NDF: 43246411.2/11

- sign 298.149 $\pm$ 0.040 χ^2 /NDF: 22423611.2/59

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 38.046 ± 22.182 χ^2/NDF : 32.6/31

Left Out: -10.822 ± 12.306 χ^2/NDF : 40.4/24

Right Out: -16.698 ± 22.640 χ^2/NDF : 39.0/36

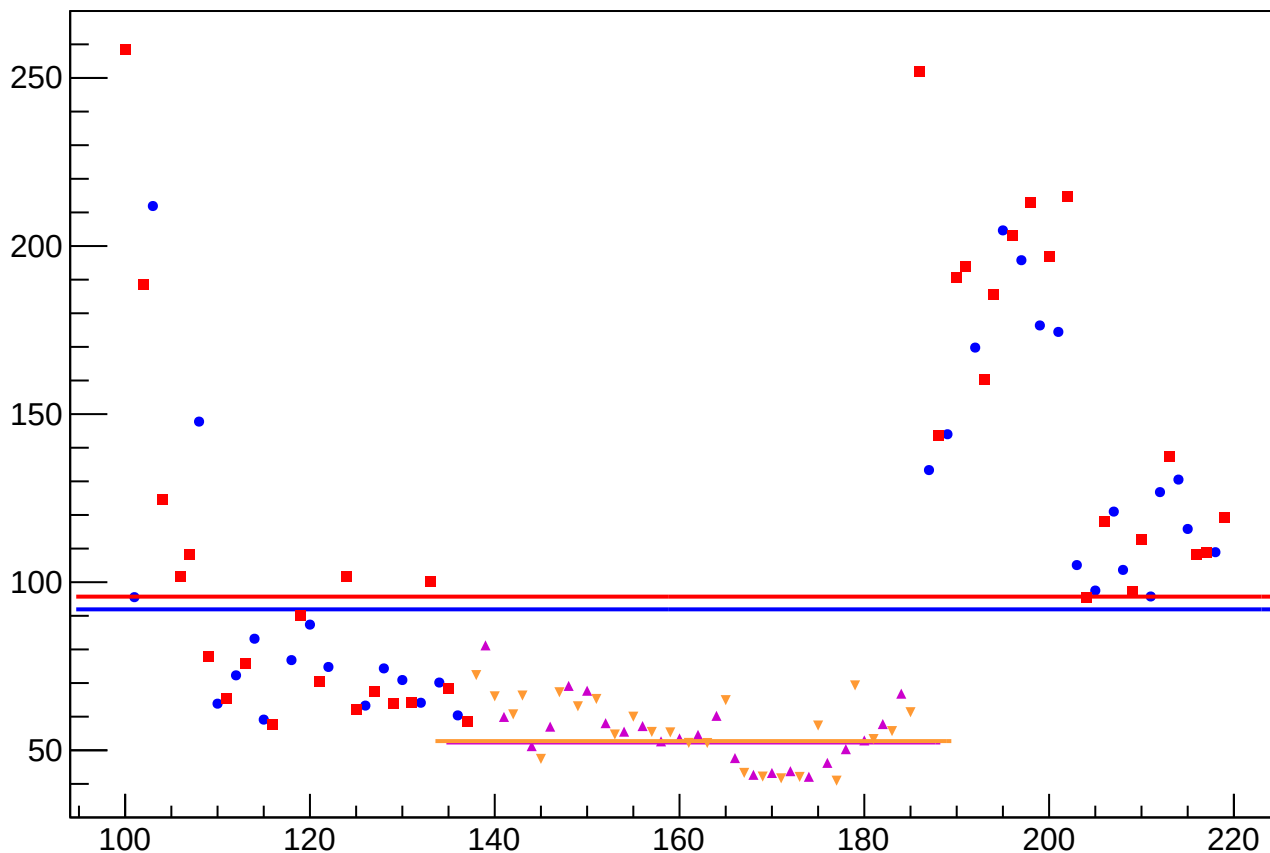
Left In: 19.598 ± 12.546 χ^2/NDF : 36.8/22

+ sign 0.679 ± 10.761 χ^2/NDF : 76.8/56

All: 5.773 ± 7.683 χ^2/NDF : 154.9/116

- sign 11.070 ± 10.974 χ^2/NDF : 77.7/59

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 91.921+/-0.016 χ^2/NDF : 4761169.7/31

Left Out: 52.731+/-0.009 χ^2/NDF : 1167223.2/24

Right Out: 95.707+/-0.016 χ^2/NDF : 5892283.4/36

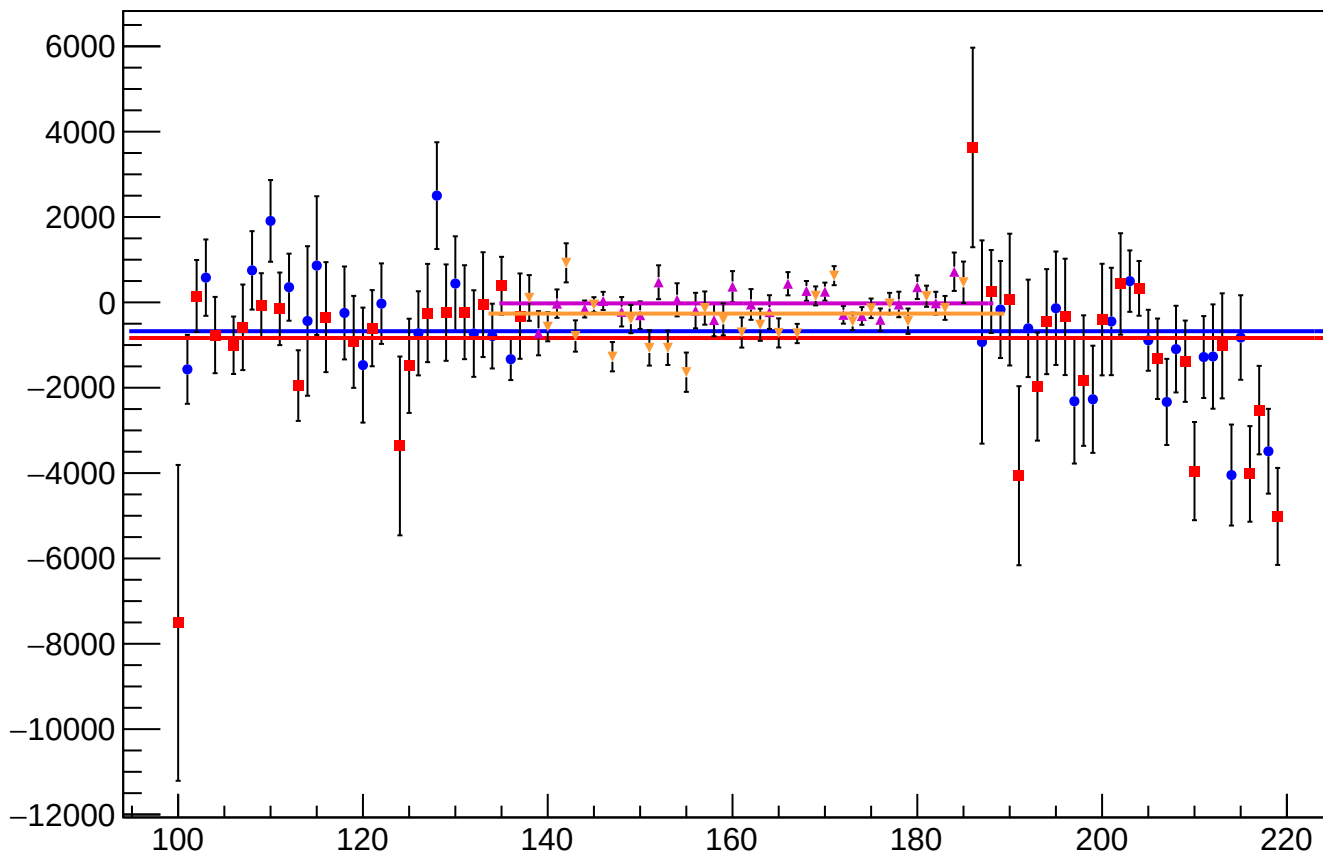
Left In: 52.314+/-0.009 χ^2/NDF : 891856.0/22

+ sign 61.954+/-0.008 χ^2/NDF : 10701866.5/56

All: 62.226+/-0.005 χ^2/NDF : 23109954.7/116

- sign 62.509+/-0.008 χ^2/NDF : 12405482.7/59

asym_sam_37_dd_eigen_dit_correction_mean vs Slug



Right In: -675.492 ± 172.431 χ^2/NDF : 51.5/31

Left Out: -262.582 ± 58.501 χ^2/NDF : 72.2/24

Right Out: -834.631 ± 170.250 χ^2/NDF : 60.8/36

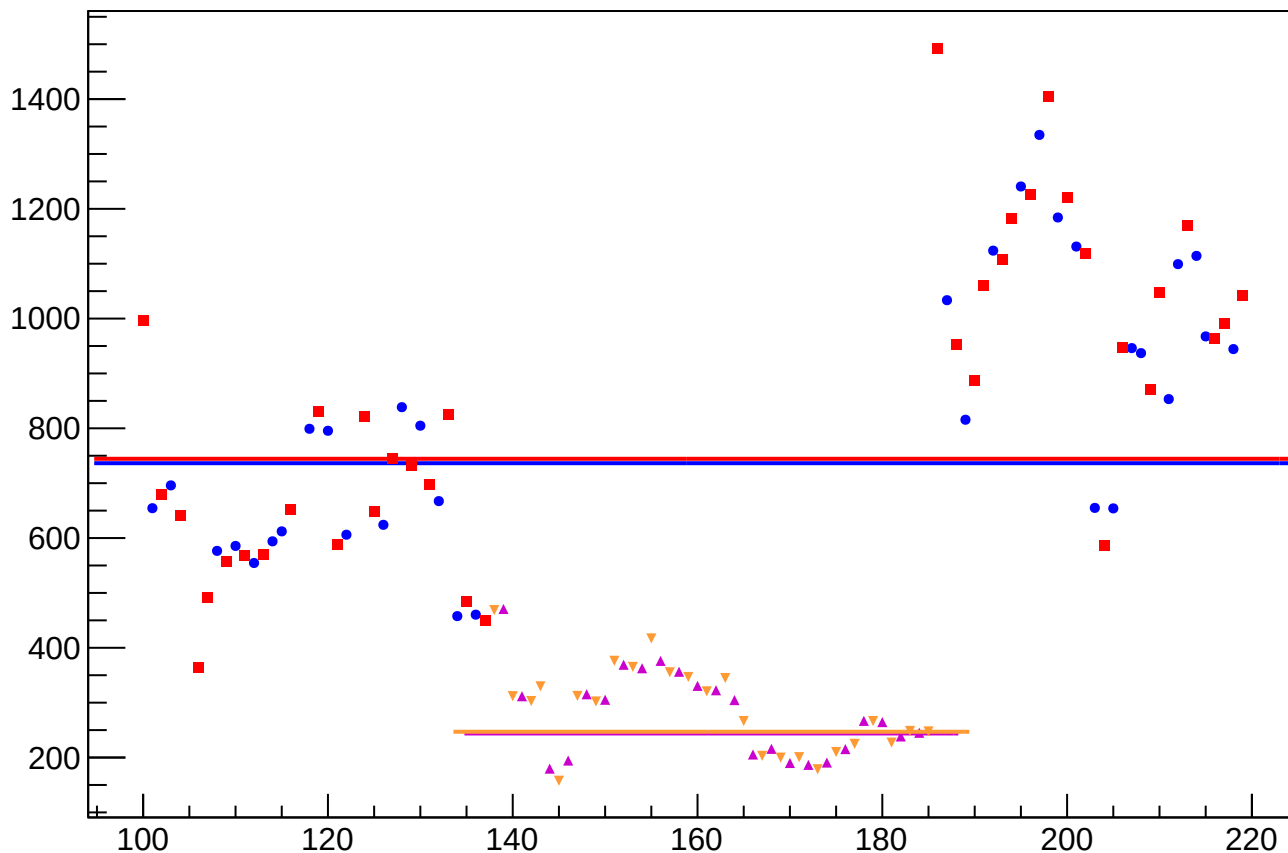
Left In: -23.469 ± 59.397 χ^2/NDF : 24.2/22

+ sign -305.204 ± 55.399 χ^2/NDF : 128.8/56

All: -209.531 ± 39.412 χ^2/NDF : 240.1/116

- sign -111.487 ± 56.082 χ^2/NDF : 105.3/59

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 736.417 $\pm$ 0.122 χ^2 /NDF: 3447592.4/31

Left Out: 246.995 $\pm$ 0.041 χ^2 /NDF: 2925680.1/24

Right Out: 744.461 $\pm$ 0.120 χ^2 /NDF: 4515448.2/36

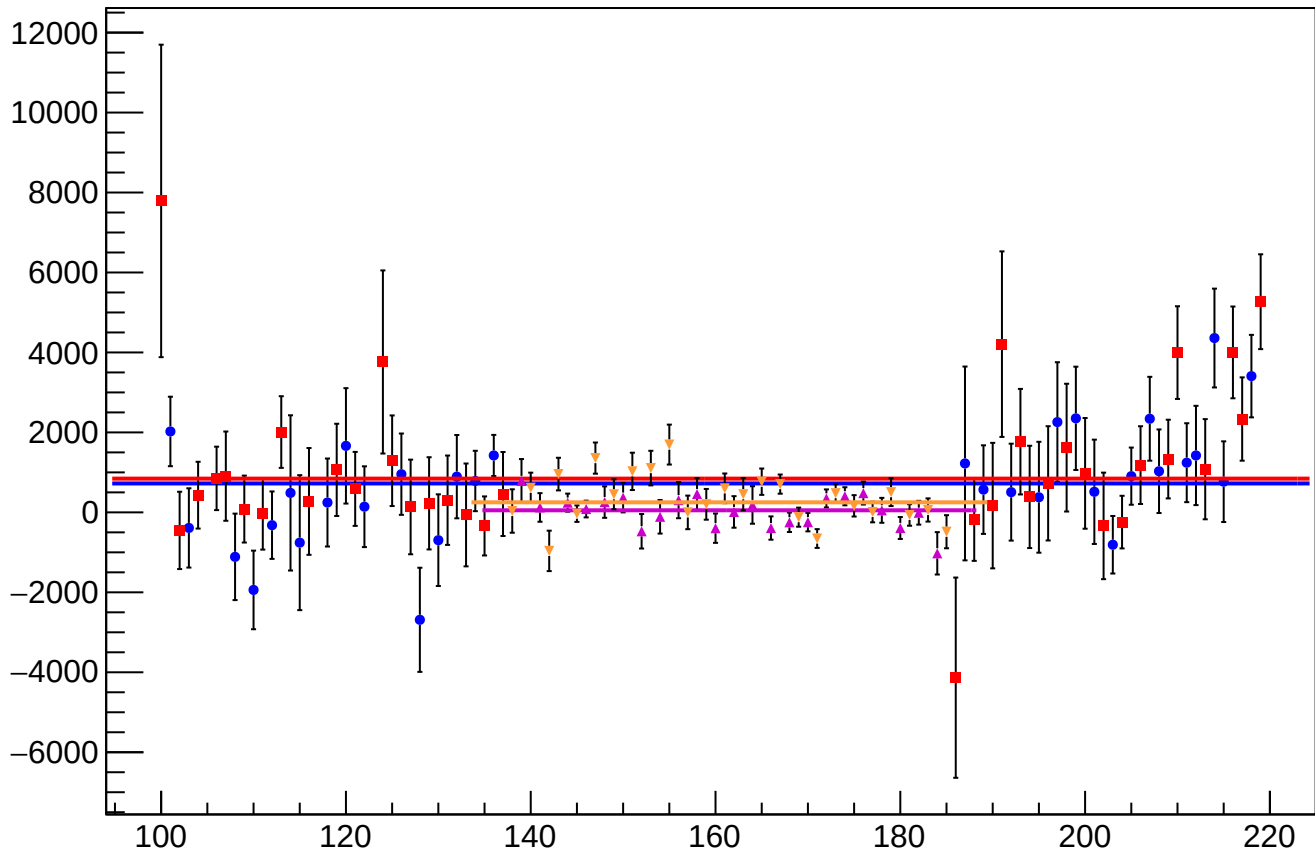
Left In: 243.825 $\pm$ 0.042 χ^2 /NDF: 2490539.0/22

+ sign 297.515 $\pm$ 0.039 χ^2 /NDF: 20822654.9/56

All: 297.828 $\pm$ 0.028 χ^2 /NDF: 43246388.0/11

- sign 298.148 $\pm$ 0.040 χ^2 /NDF: 22423604.0/59

asym_sam_37_dd_mean vs Slug



Right In: 723.233 ± 179.321 χ^2/NDF : 53.2/31

Left Out: 251.109 ± 63.424 χ^2/NDF : 67.5/24

Right Out: 843.927 ± 179.666 χ^2/NDF : 57.8/36

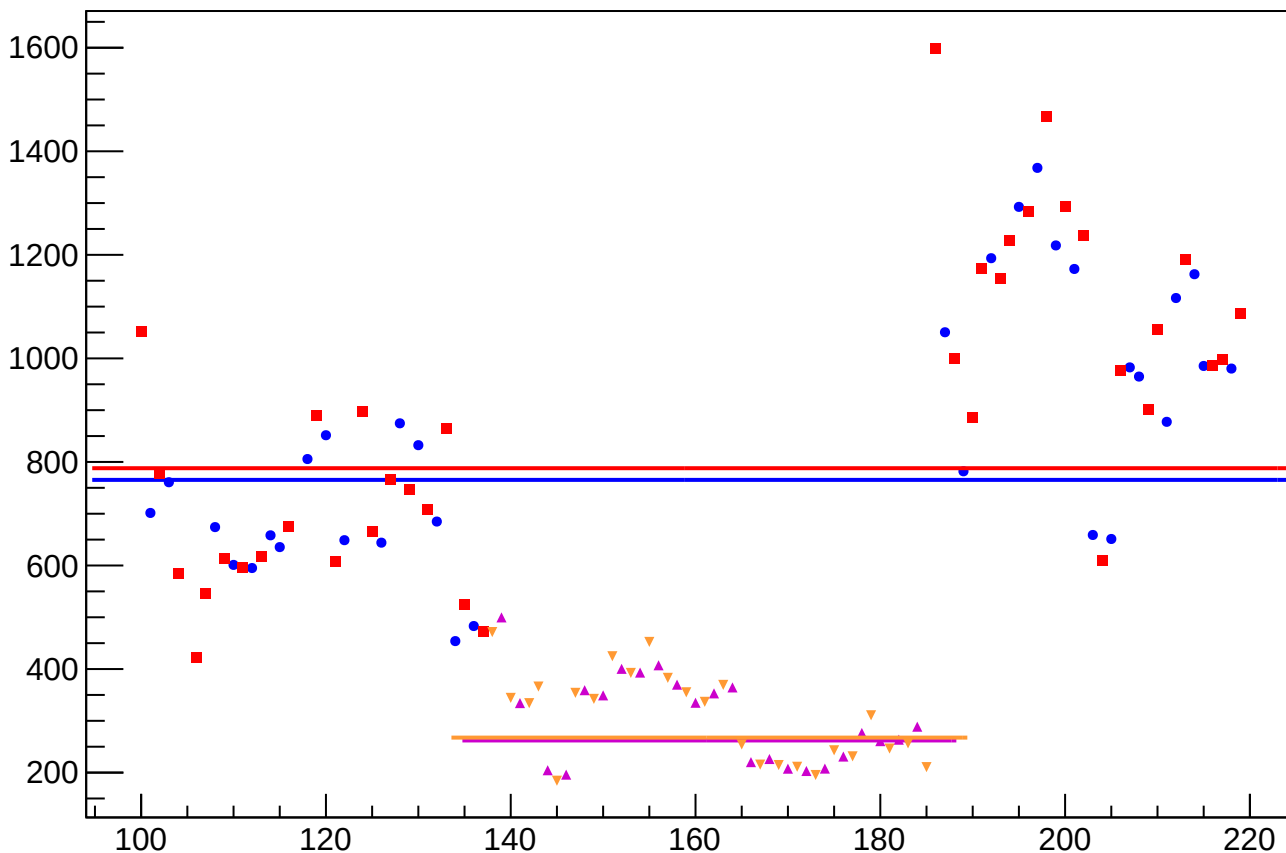
Left In: 51.707 ± 63.843 χ^2/NDF : 26.8/22

+ sign 303.603 ± 59.794 χ^2/NDF : 126.9/56

All: 222.559 ± 42.409 χ^2/NDF : 232.5/116

- sign 140.525 ± 60.158 χ^2/NDF : 101.9/59

asym_sam_37_dd_rms vs Slug



Right In: 765.348 $\pm$ 0.127 χ^2 /NDF: 3380995.2/31

Left Out: 267.589 $\pm$ 0.045 χ^2 /NDF: 2801460.2/24

Right Out: 787.902 $\pm$ 0.127 χ^2 /NDF: 4159107.7/36

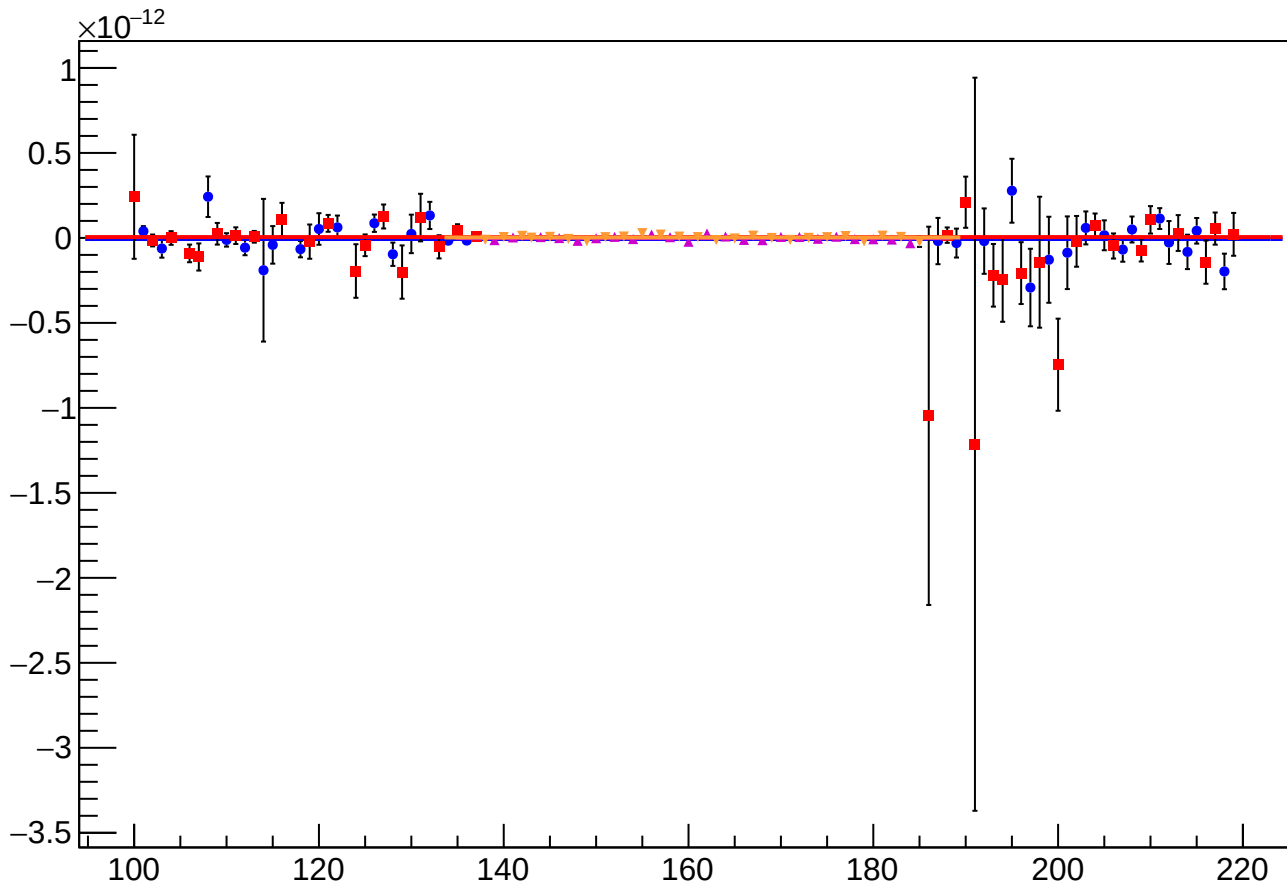
Left In: 262.092 $\pm$ 0.045 χ^2 /NDF: 2537465.8/22

+ sign 322.933 $\pm$ 0.042 χ^2 /NDF: 19879112.3/56

All: 321.993 $\pm$ 0.030 χ^2 /NDF: 41786163.4/11

- sign 321.042 $\pm$ 0.043 χ^2 /NDF: 21906057.8/59

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 35.3/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 15.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 40.8/36

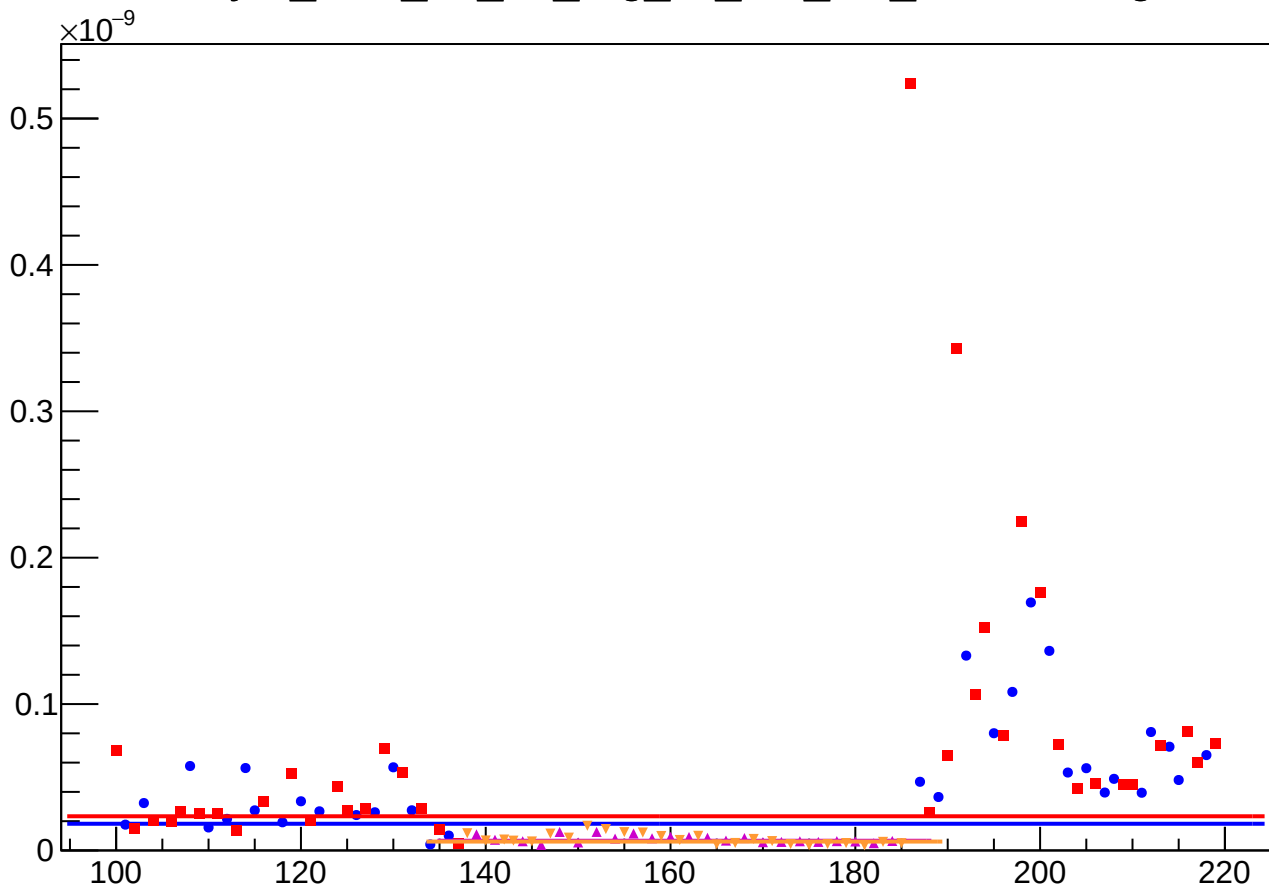
Left In: -0.000 ± 0.000 χ^2/NDF : 12.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 51.4/56

All: 0.000 ± 0.000 χ^2/NDF : 105.5/116

- sign -0.000 ± 0.000 χ^2/NDF : 53.4/59

asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8541902.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7483465.2/36

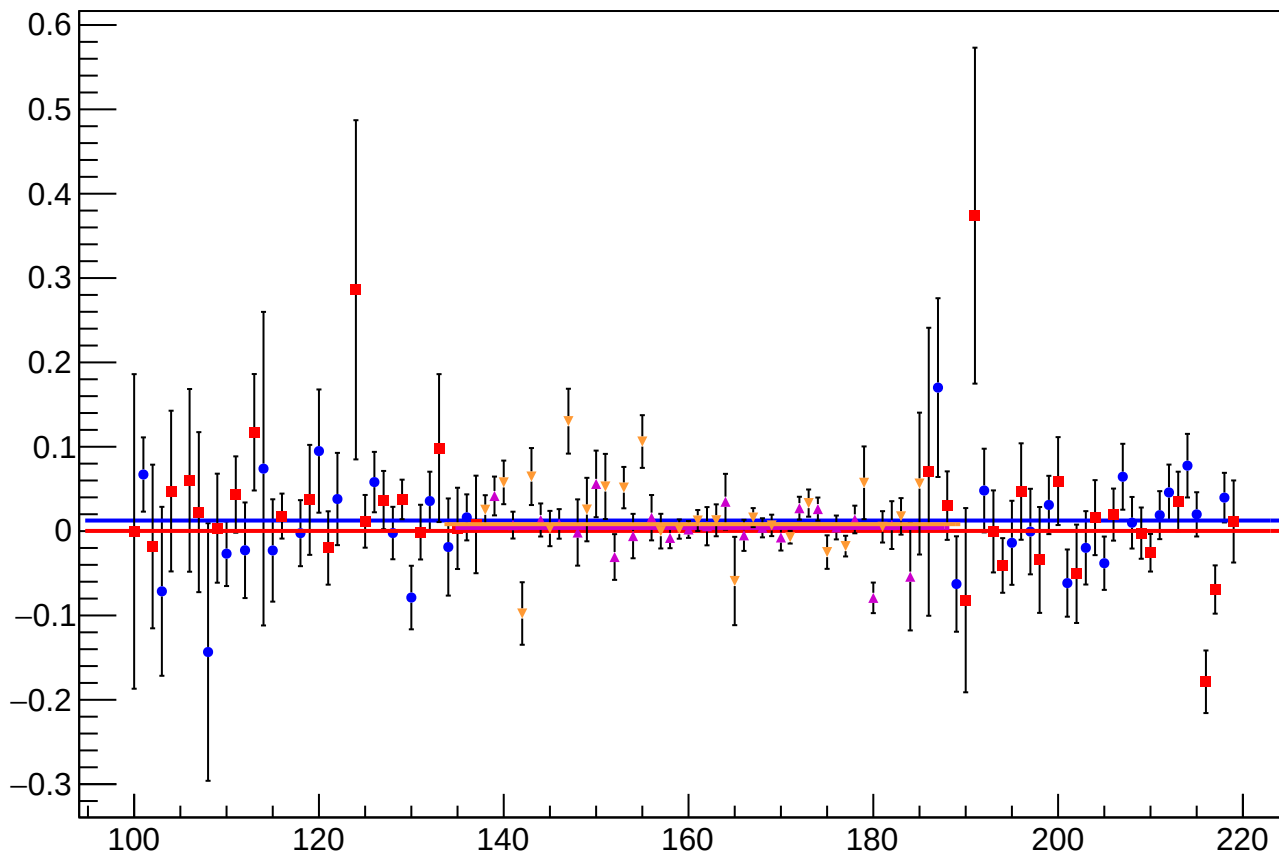
Left In: 0.000+/-0.000 χ^2/NDF : 1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 14518920.1/56

All: 0.000+/-0.000 χ^2/NDF : 28121236.1/116

- sign 0.000+/-0.000 χ^2/NDF : 13519445.3/59

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 $\pm$ 0.007 χ^2 /NDF: 33.7/31

Left Out: 0.008 $\pm$ 0.003 χ^2 /NDF:58.8/24

Right Out: 0.000 $\pm$ 0.007 χ^2 /NDF: 53.9/36

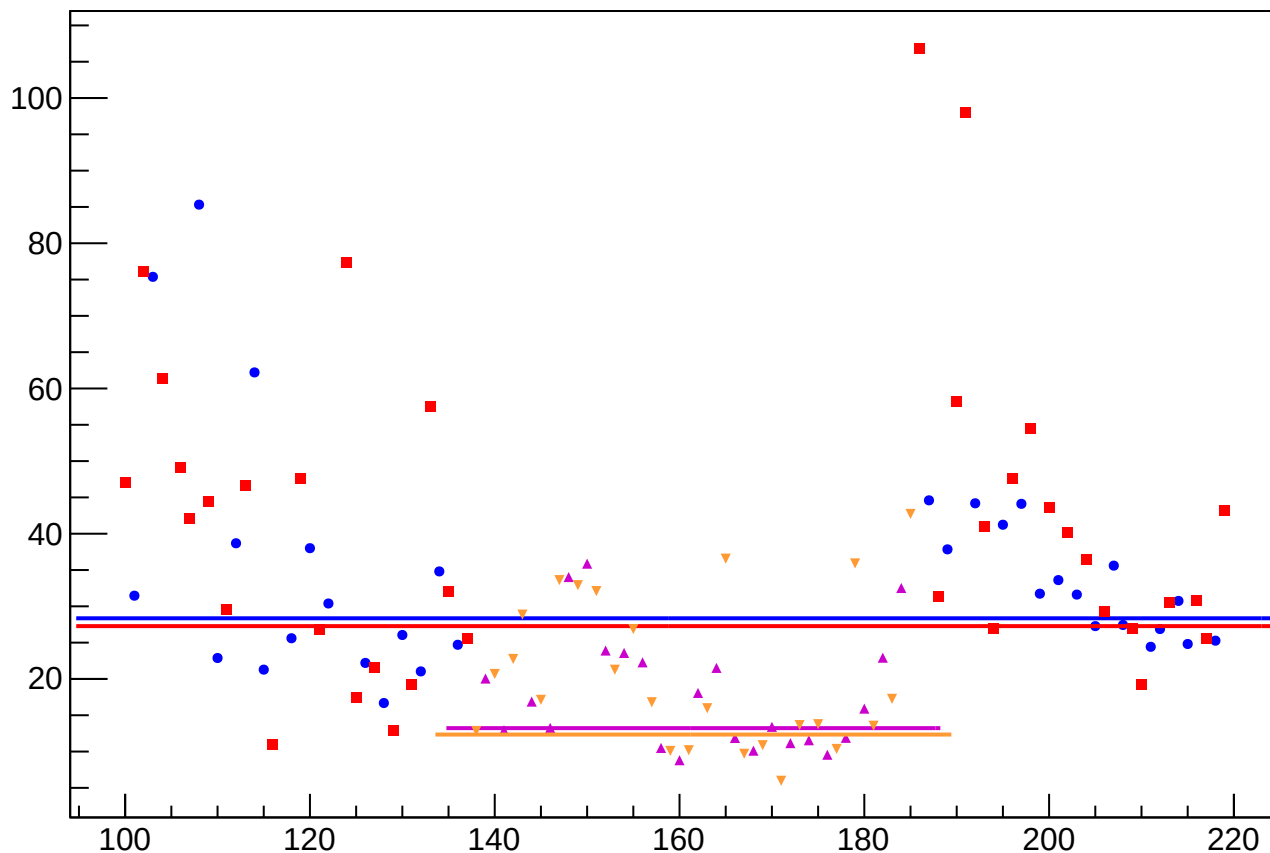
Left In: 0.004 $\pm$ 0.004 χ^2 /NDF:37.2/22

+ sign 0.009 $\pm$ 0.003 χ^2 /NDF: 92.8/56

All: 0.006 $\pm$ 0.002 χ^2 /NDF: 186.0/116

- sign 0.003 $\pm$ 0.003 χ^2 /NDF: 91.3/59

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.352 $\pm$ 0.005 χ^2 /NDF: 2356717.6/31

Left Out: 12.343 $\pm$ 0.002 χ^2 /NDF: 6743594.0/24

Right Out: 27.274 $\pm$ 0.005 χ^2 /NDF: 6232061.9/36

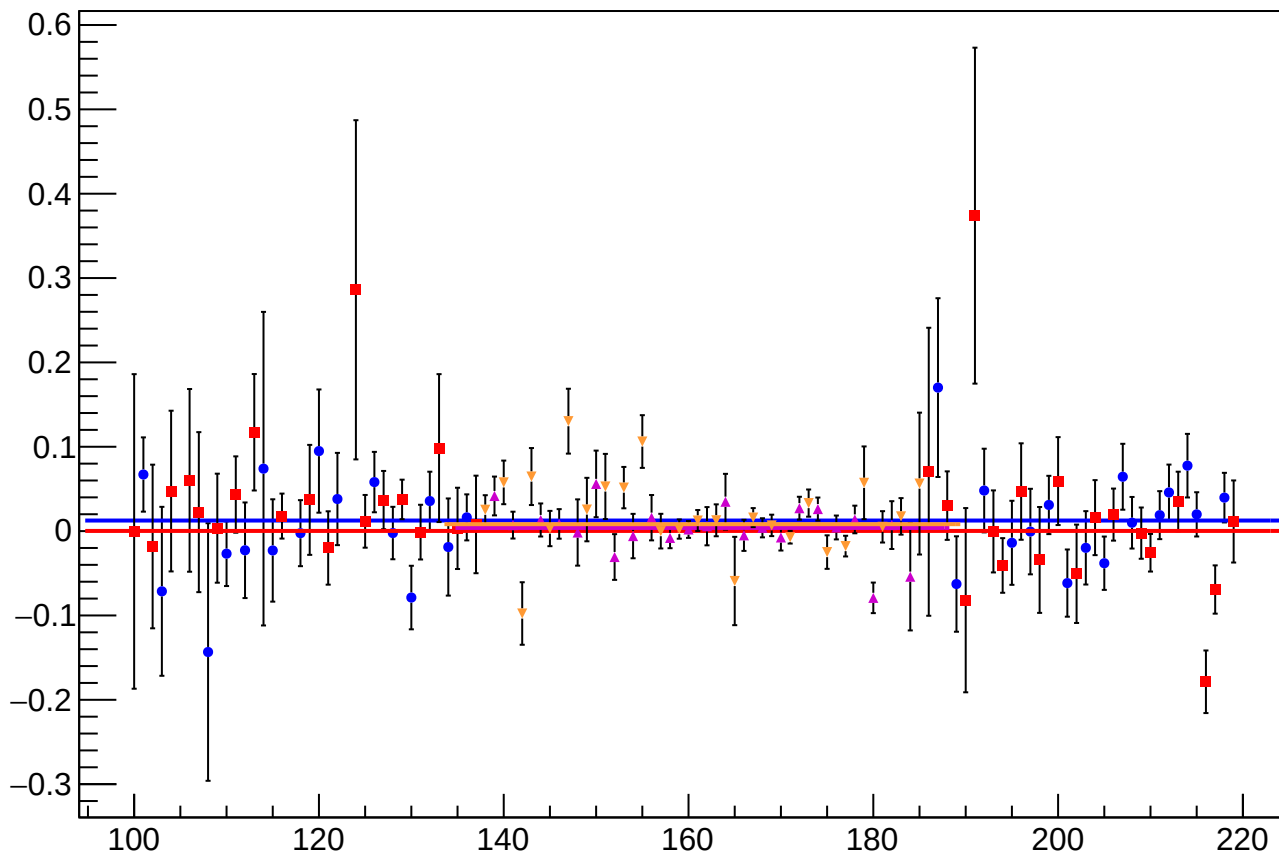
Left In: 13.225 $\pm$ 0.003 χ^2 /NDF: 3870352.4/22

+ sign 15.415 $\pm$ 0.002 χ^2 /NDF: 17345305.6/56

All: 15.786 $\pm$ 0.002 χ^2 /NDF: 33811433.8/116

- sign 16.187 $\pm$ 0.002 χ^2 /NDF: 16406664.3/59

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 $\pm$ 0.007 χ^2 /NDF: 33.7/31

Left Out: 0.008 $\pm$ 0.003 χ^2 /NDF:58.8/24

Right Out: 0.000 $\pm$ 0.007 χ^2 /NDF: 53.9/36

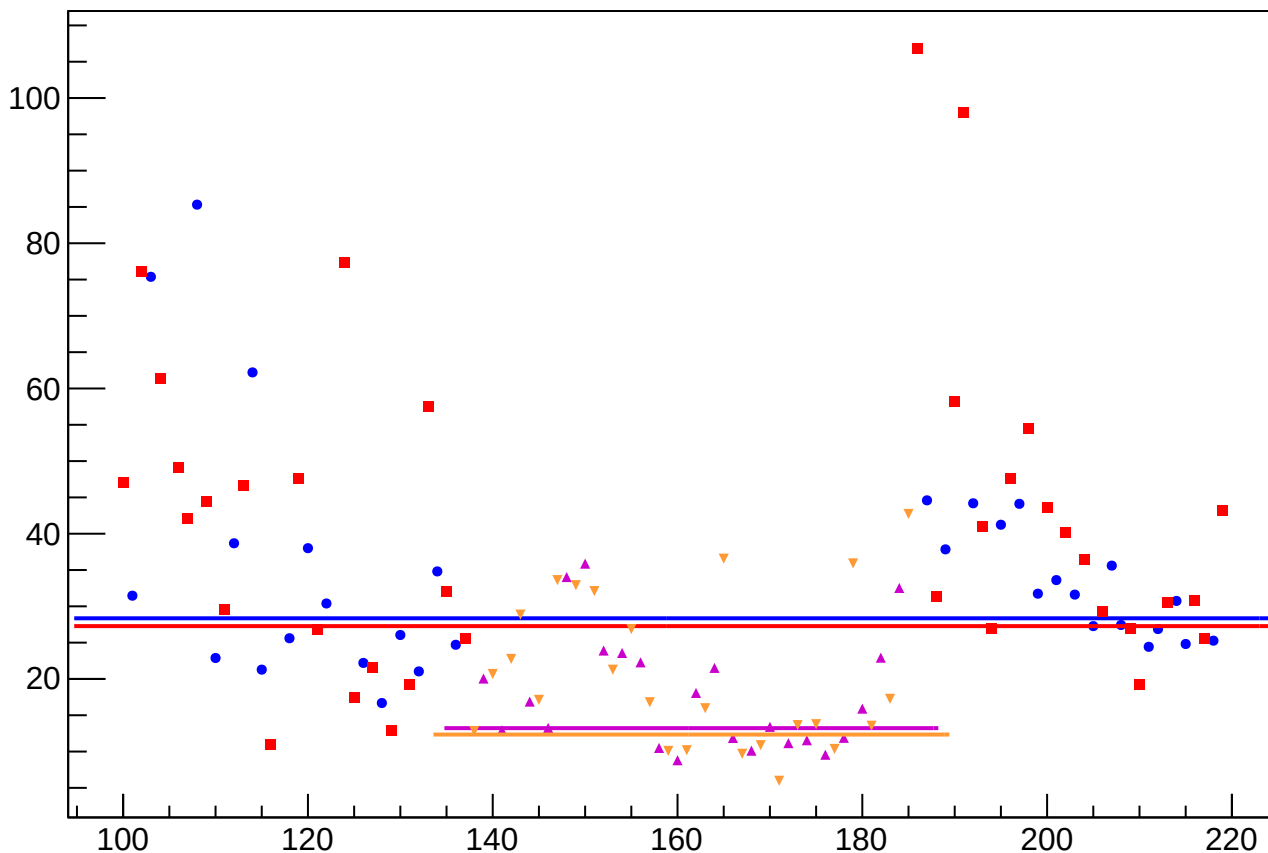
Left In: 0.004 $\pm$ 0.004 χ^2 /NDF:37.2/22

+ sign 0.009 $\pm$ 0.003 χ^2 /NDF: 92.8/56

All: 0.006 $\pm$ 0.002 χ^2 /NDF: 186.0/116

- sign 0.003 $\pm$ 0.003 χ^2 /NDF: 91.3/59

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.352 $\pm$ 0.005 χ^2 /NDF: 2356717.6/31

Left Out: 12.343 $\pm$ 0.002 χ^2 /NDF: 6743594.0/24

Right Out: 27.274 $\pm$ 0.005 χ^2 /NDF: 6232061.9/36

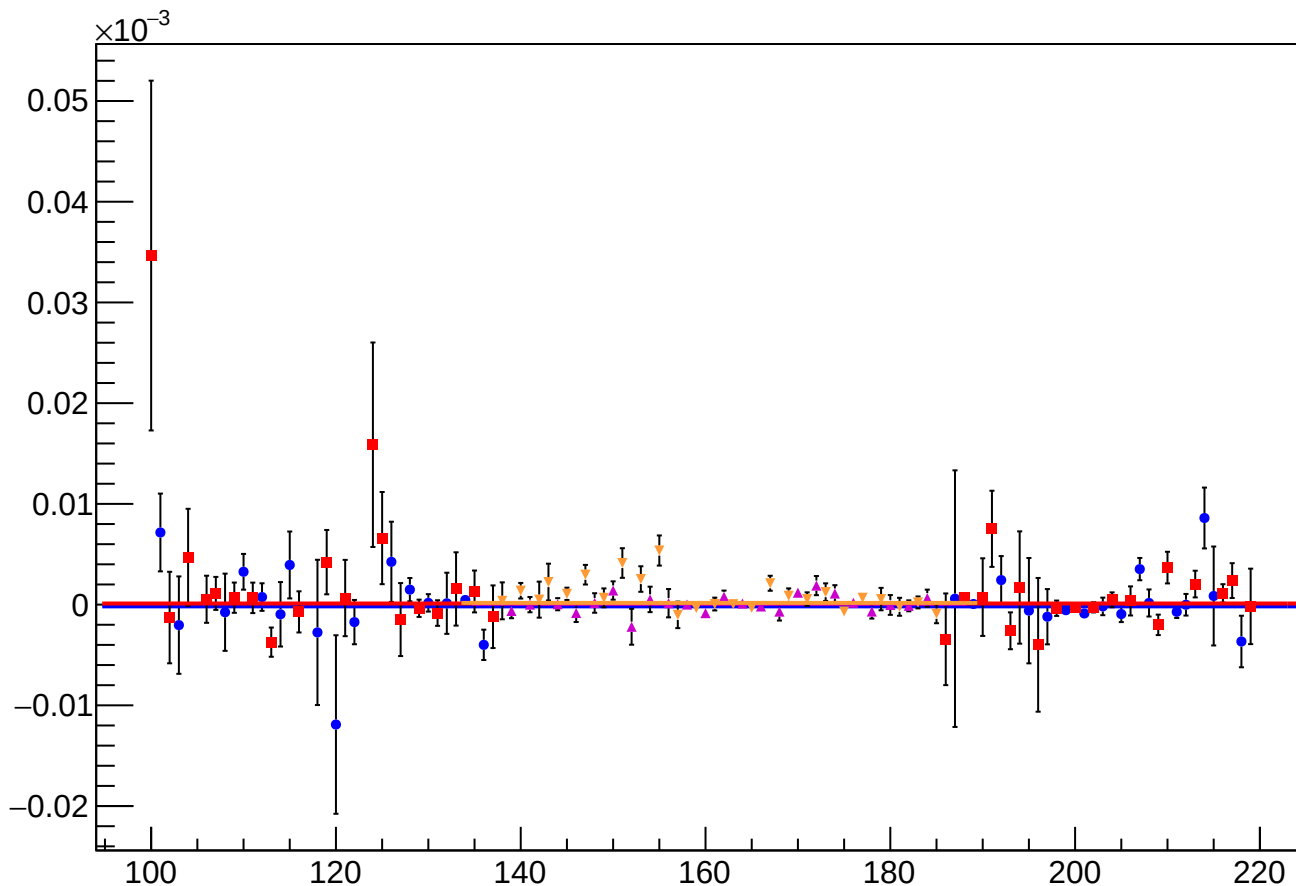
Left In: 13.225 $\pm$ 0.003 χ^2 /NDF: 3870352.4/22

+ sign 15.415 $\pm$ 0.002 χ^2 /NDF: 17345305.6/56

All: 15.786 $\pm$ 0.002 χ^2 /NDF: 33811433.8/116

- sign 16.187 $\pm$ 0.002 χ^2 /NDF: 16406664.3/59

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 52.8/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:61.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 46.2/36

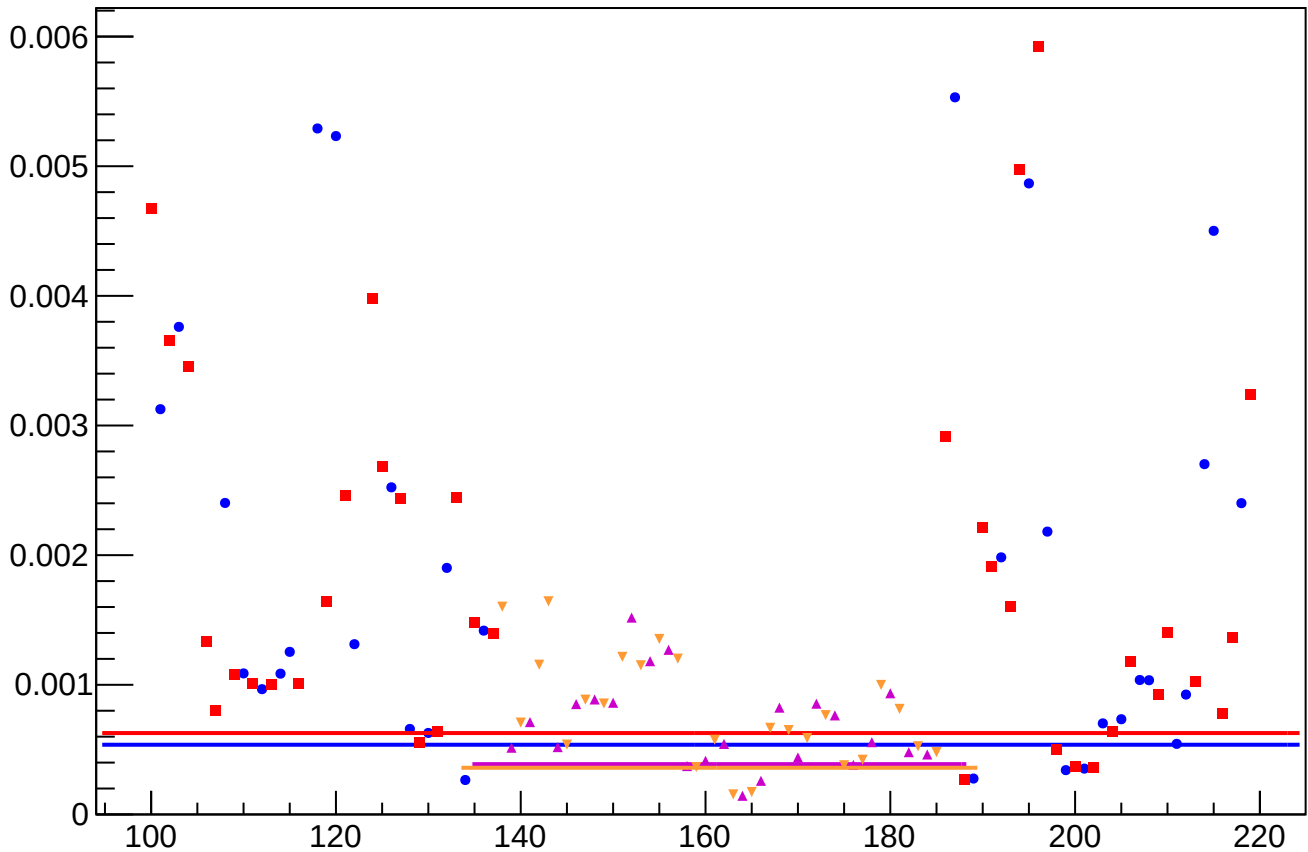
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:24.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 117.3/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 188.0/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 70.6/59

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 ± 0.000 χ^2/NDF : 16052924.3/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 14019628.7/24

Right Out: 0.001 ± 0.000 χ^2/NDF : 14453562.7/36

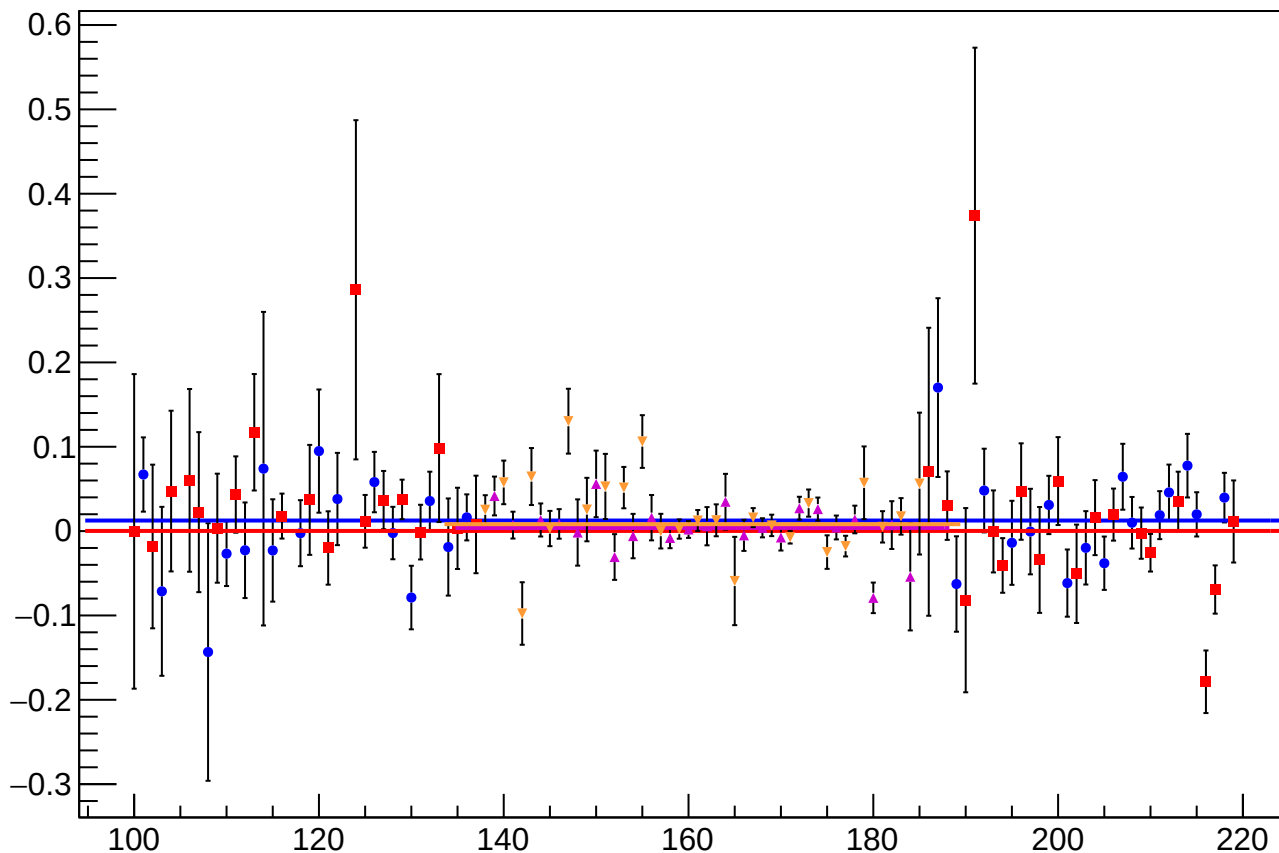
Left In: 0.000 ± 0.000 χ^2/NDF : 10459340.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 31686712.3/56

All: 0.000 ± 0.000 χ^2/NDF : 59169250.8/116

- sign 0.000 ± 0.000 χ^2/NDF : 27292157.4/59

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 $\pm$ 0.007 χ^2 /NDF: 33.7/31

Left Out: 0.008 $\pm$ 0.003 χ^2 /NDF: 58.8/24

Right Out: 0.000 $\pm$ 0.007 χ^2 /NDF: 53.9/36

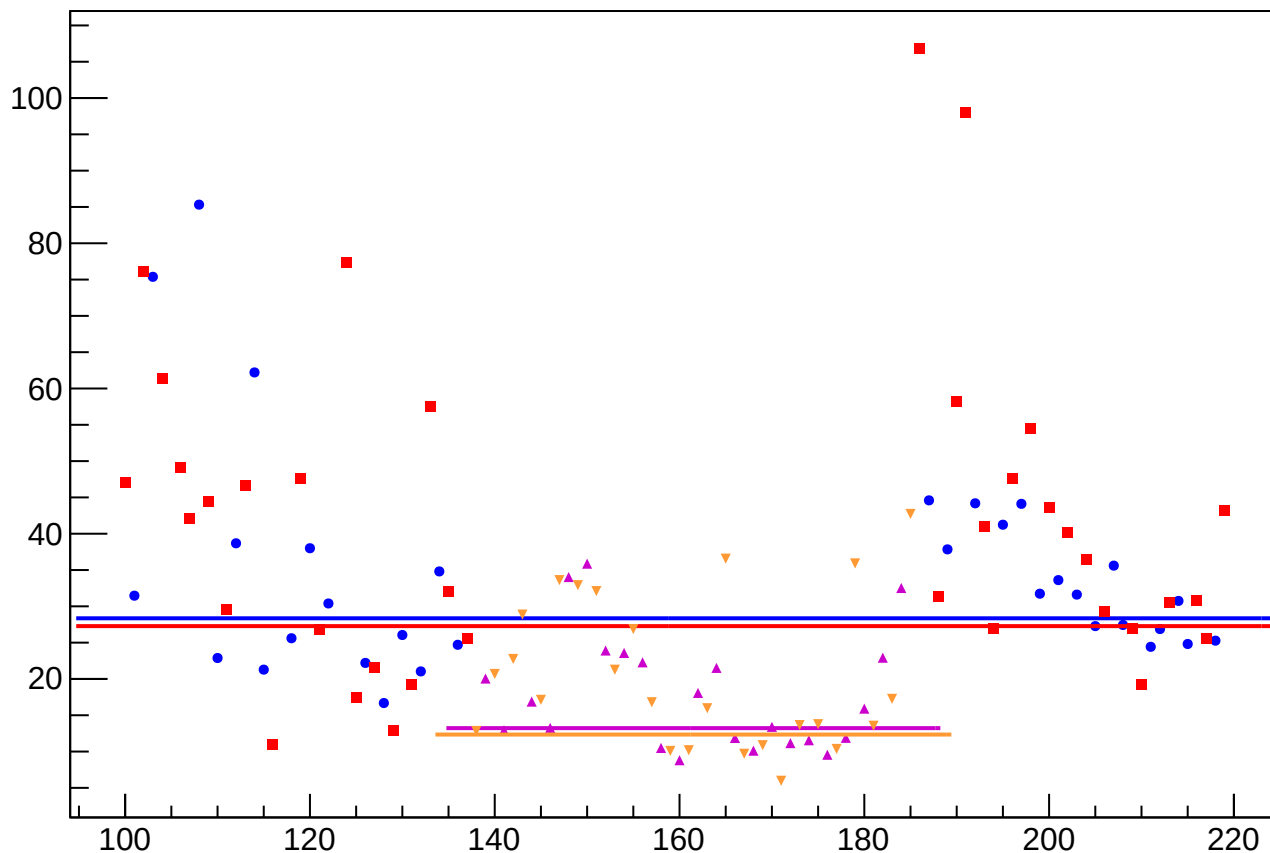
Left In: 0.004 $\pm$ 0.004 χ^2 /NDF: 37.2/22

+ sign 0.009 $\pm$ 0.003 χ^2 /NDF: 92.8/56

All: 0.006 $\pm$ 0.002 χ^2 /NDF: 186.0/116

- sign 0.003 $\pm$ 0.003 χ^2 /NDF: 91.3/59

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.353+/-0.005 χ^2/NDF : 2356606.3/31

Left Out: 12.343+/-0.002 χ^2/NDF : 6743823.4/24

Right Out: 27.274+/-0.005 χ^2/NDF : 6231761.6/36

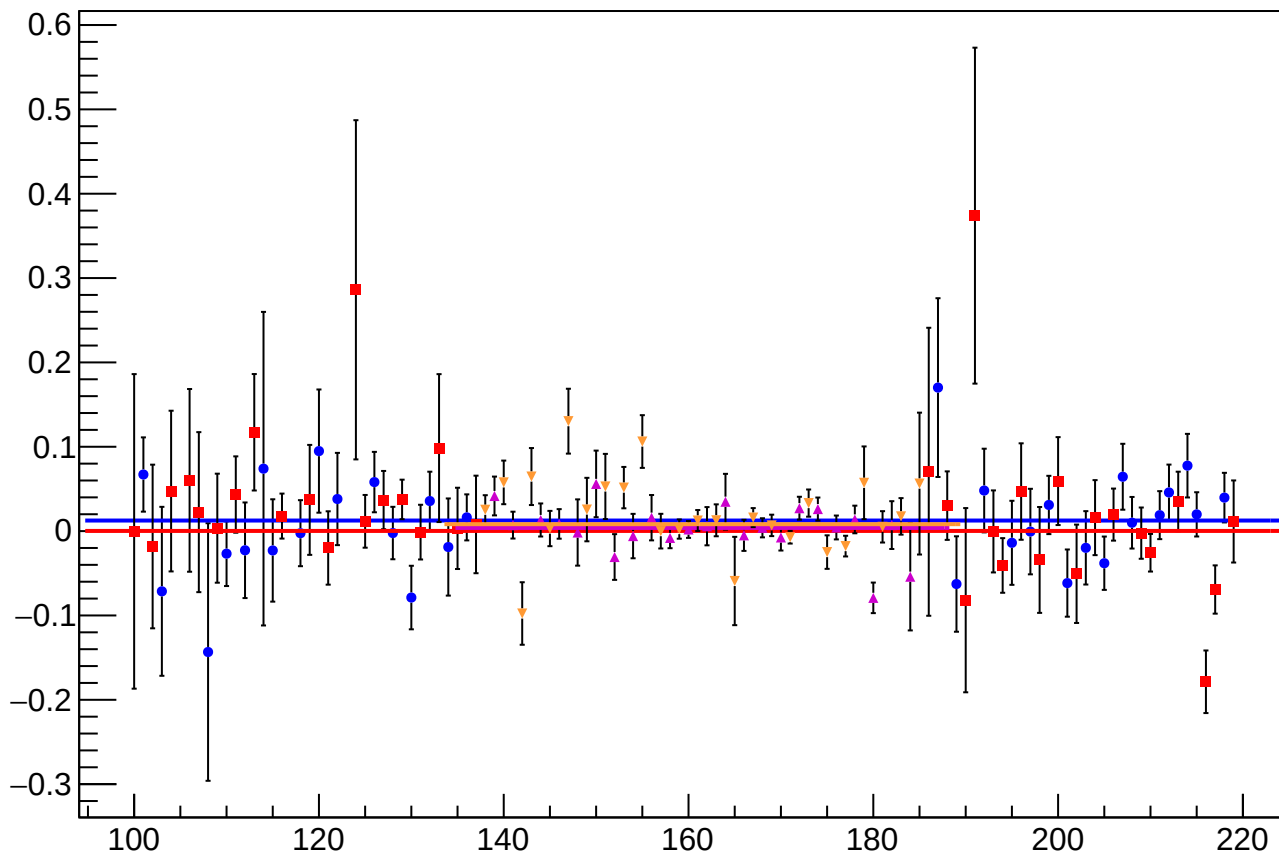
Left In: 13.225+/-0.003 χ^2/NDF : 3870507.9/22

+ sign 15.415+/-0.002 χ^2/NDF : 17345659.4/56

All: 15.786+/-0.002 χ^2/NDF : 33811918.3/116

- sign 16.187+/-0.002 χ^2/NDF : 16406799.6/59

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 $\pm$ 0.007 χ^2 /NDF: 33.7/31

Left Out: 0.008 $\pm$ 0.003 χ^2 /NDF: 58.8/24

Right Out: 0.000 $\pm$ 0.007 χ^2 /NDF: 53.9/36

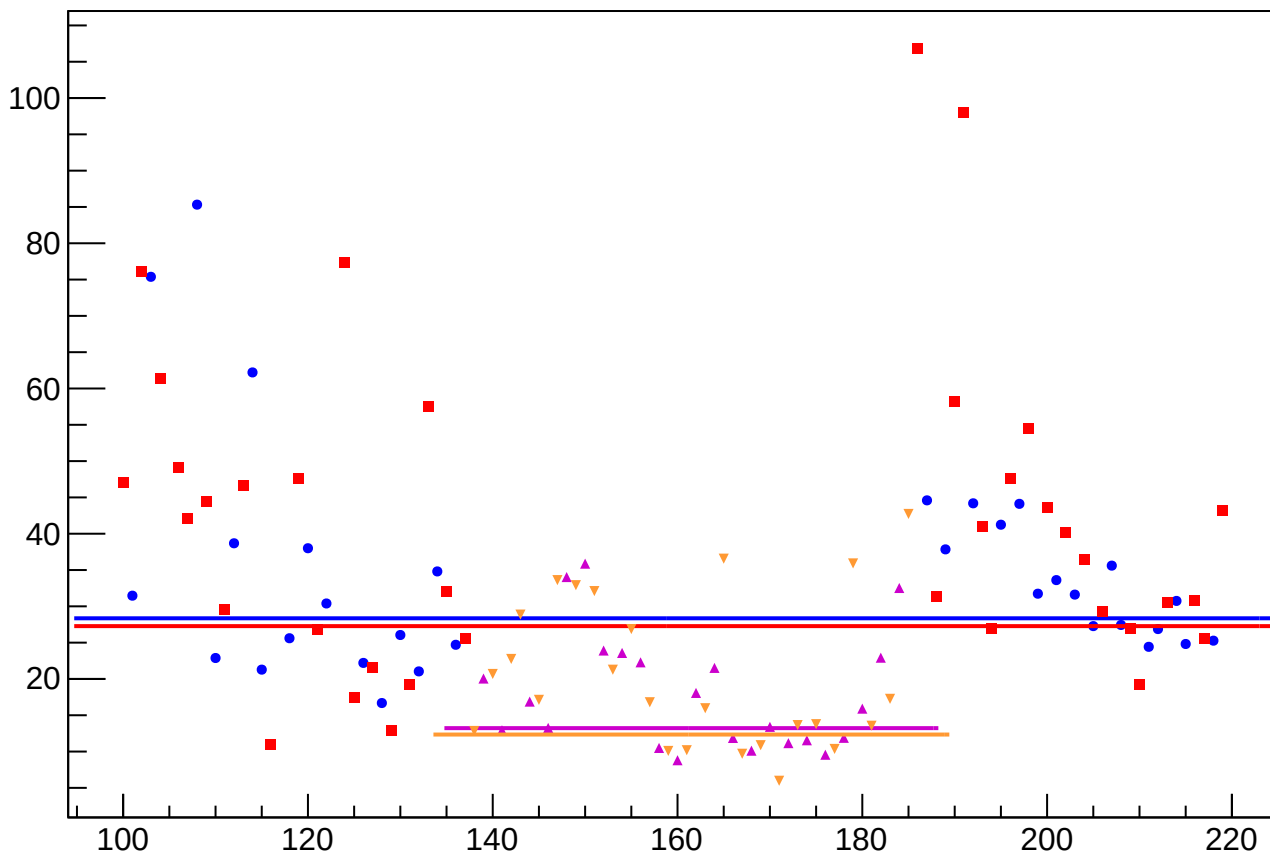
Left In: 0.004 $\pm$ 0.004 χ^2 /NDF: 37.2/22

+ sign 0.009 $\pm$ 0.003 χ^2 /NDF: 92.8/56

All: 0.006 $\pm$ 0.002 χ^2 /NDF: 186.0/116

- sign 0.003 $\pm$ 0.003 χ^2 /NDF: 91.3/59

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.353+/-0.005 χ^2/NDF : 2356606.3/31

Left Out: 12.343+/-0.002 χ^2/NDF : 6743823.4/24

Right Out: 27.274+/-0.005 χ^2/NDF : 6231761.6/36

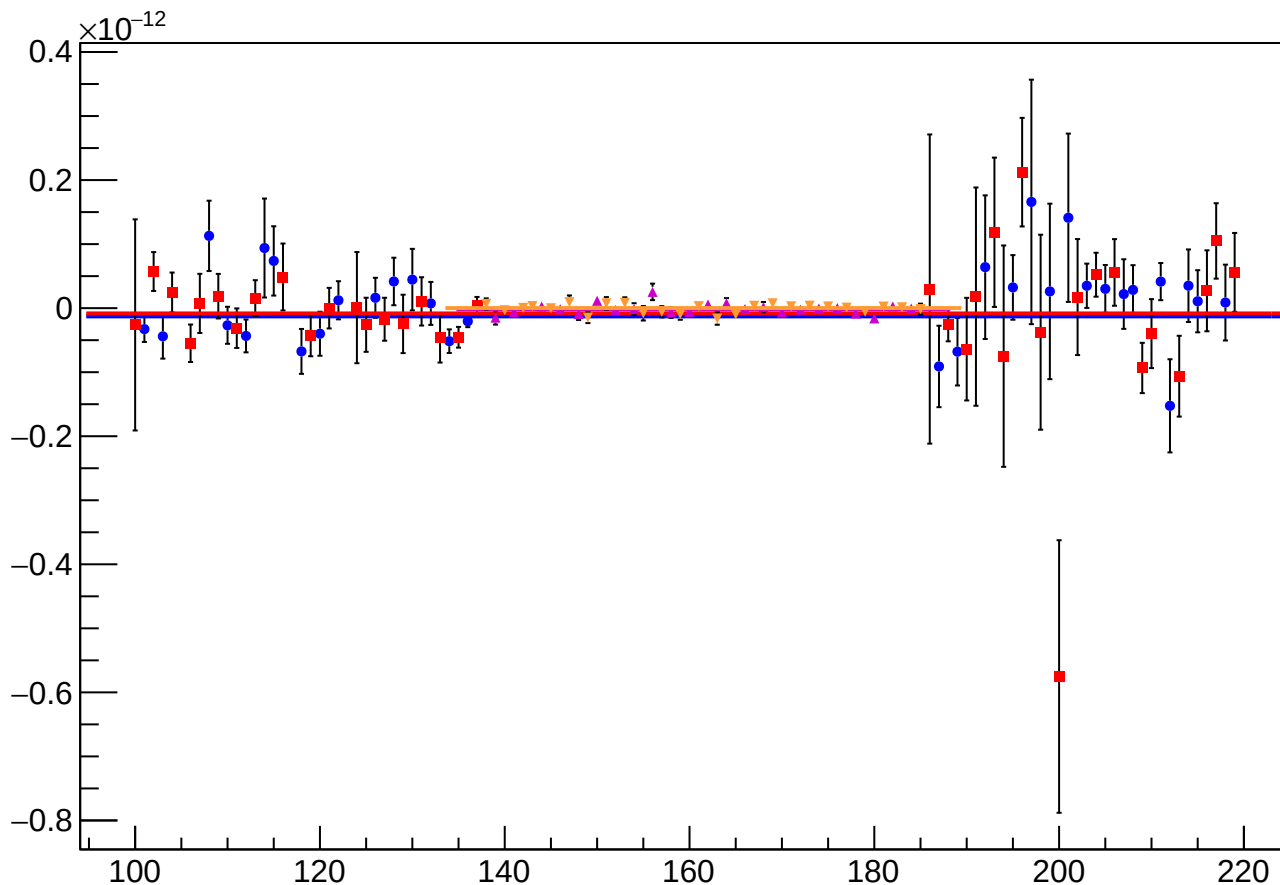
Left In: 13.225+/-0.003 χ^2/NDF : 3870507.9/22

+ sign 15.415+/-0.002 χ^2/NDF : 17345659.4/56

All: 15.786+/-0.002 χ^2/NDF : 33811918.3/116

- sign 16.187+/-0.002 χ^2/NDF : 16406799.6/59

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 46.1/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:21.5/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 53.9/36

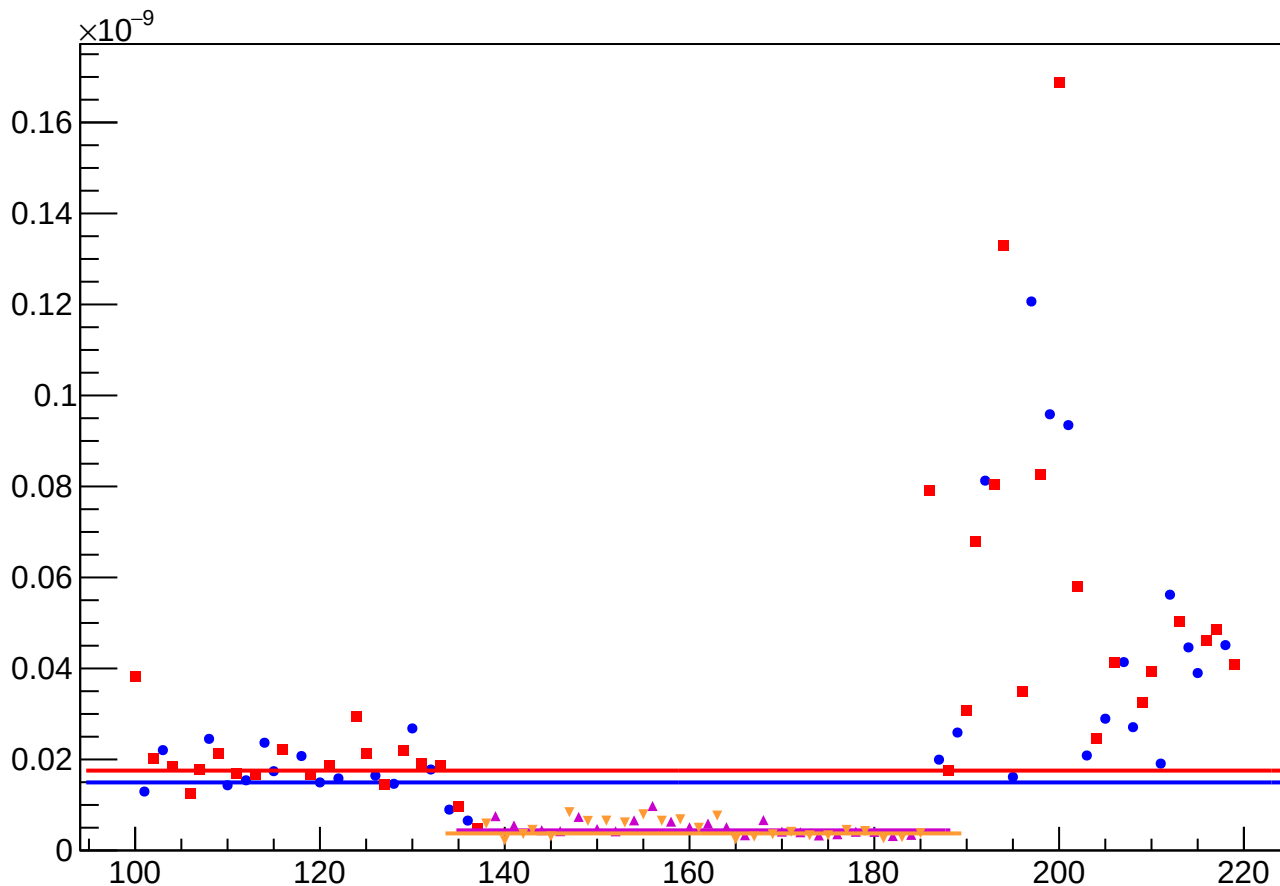
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:25.4/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 73.0/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 154.5/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 80.3/59

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8343596.9/31

Left Out: 0.000+/-0.000 χ^2/NDF :3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9005481.2/36

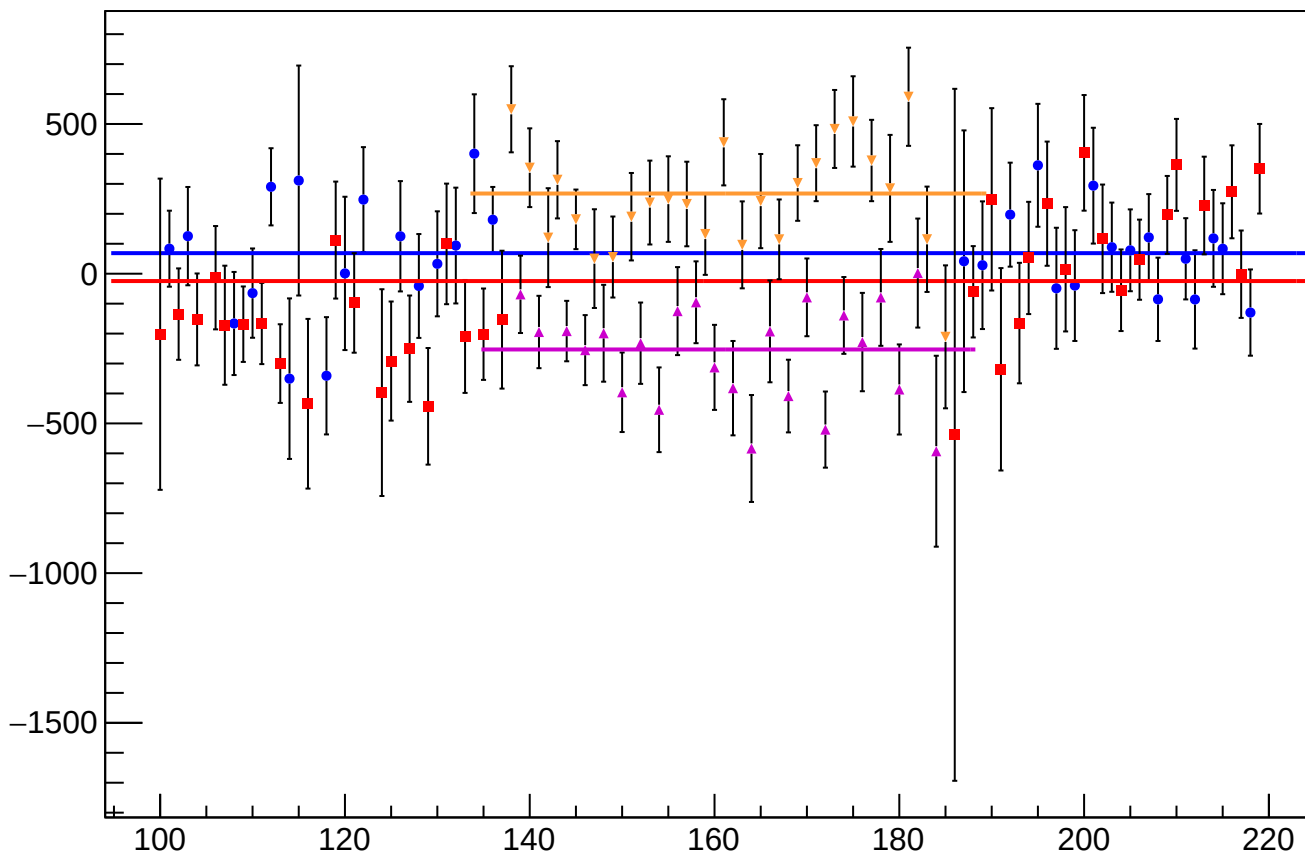
Left In: 0.000+/-0.000 χ^2/NDF :1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 19516059.8/56

All: 0.000+/-0.000 χ^2/NDF : 39628983.5/116

- sign 0.000+/-0.000 χ^2/NDF : 19702809.5/59

reg_asym_sam_48_dd_mean vs Slug



Right In: 68.633 ± 29.523 χ^2/NDF : 27.4/31

Left Out: 267.782 ± 28.407 χ^2/NDF : 31.0/24

Right Out: -24.559 ± 28.789 χ^2/NDF : 55.3/36

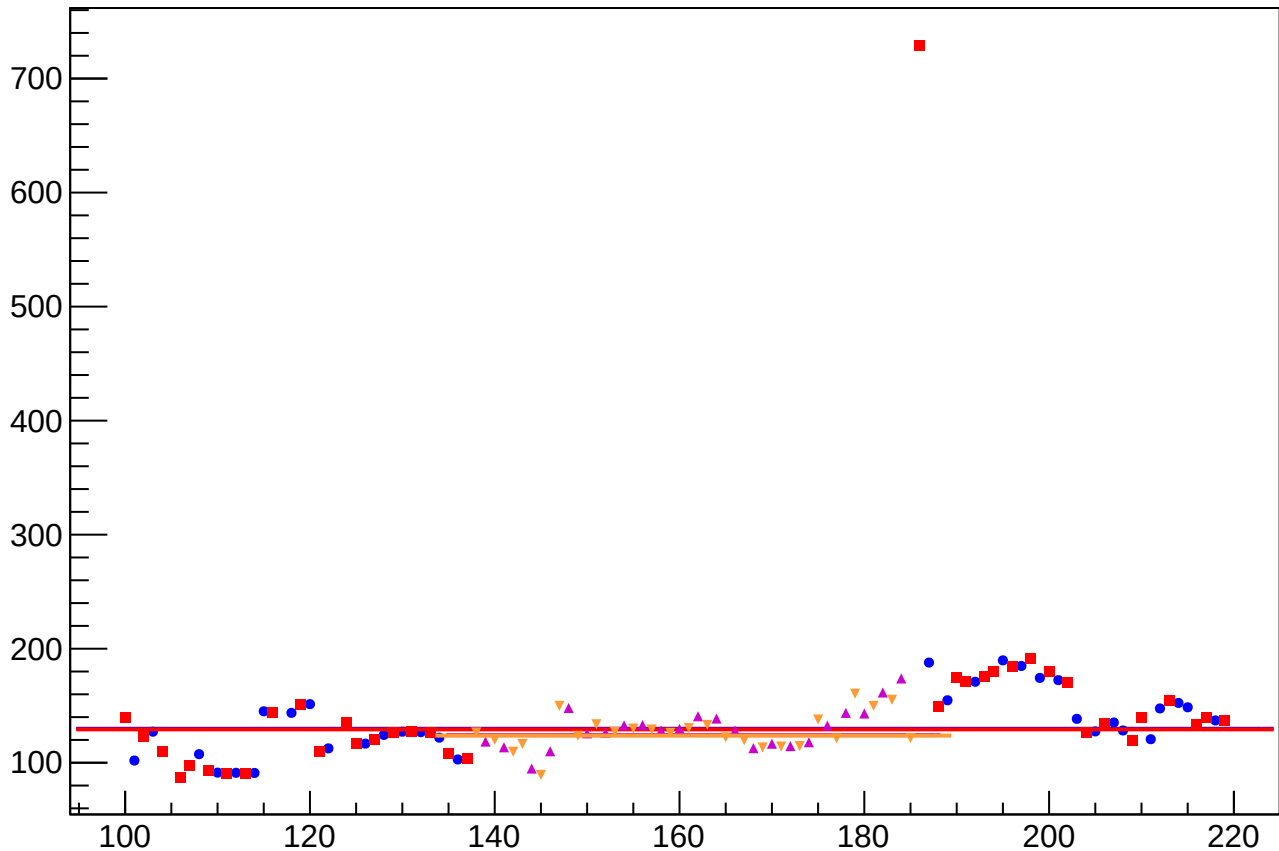
Left In: -253.048 ± 29.313 χ^2/NDF : 26.2/22

+ sign 172.041 ± 20.470 χ^2/NDF : 82.1/56

All: 18.172 ± 14.499 χ^2/NDF : 307.8/116

- sign -136.742 ± 20.540 χ^2/NDF : 112.4/59

reg_asym_sam_48_dd_rms vs Slug



Right In: 129.777 $\pm$ 0.021 χ^2 /NDF: 1494617.5/31

Left Out: 123.807 $\pm$ 0.020 χ^2 /NDF: 598444.2/24

Right Out: 129.257 $\pm$ 0.020 χ^2 /NDF: 2404627.4/36

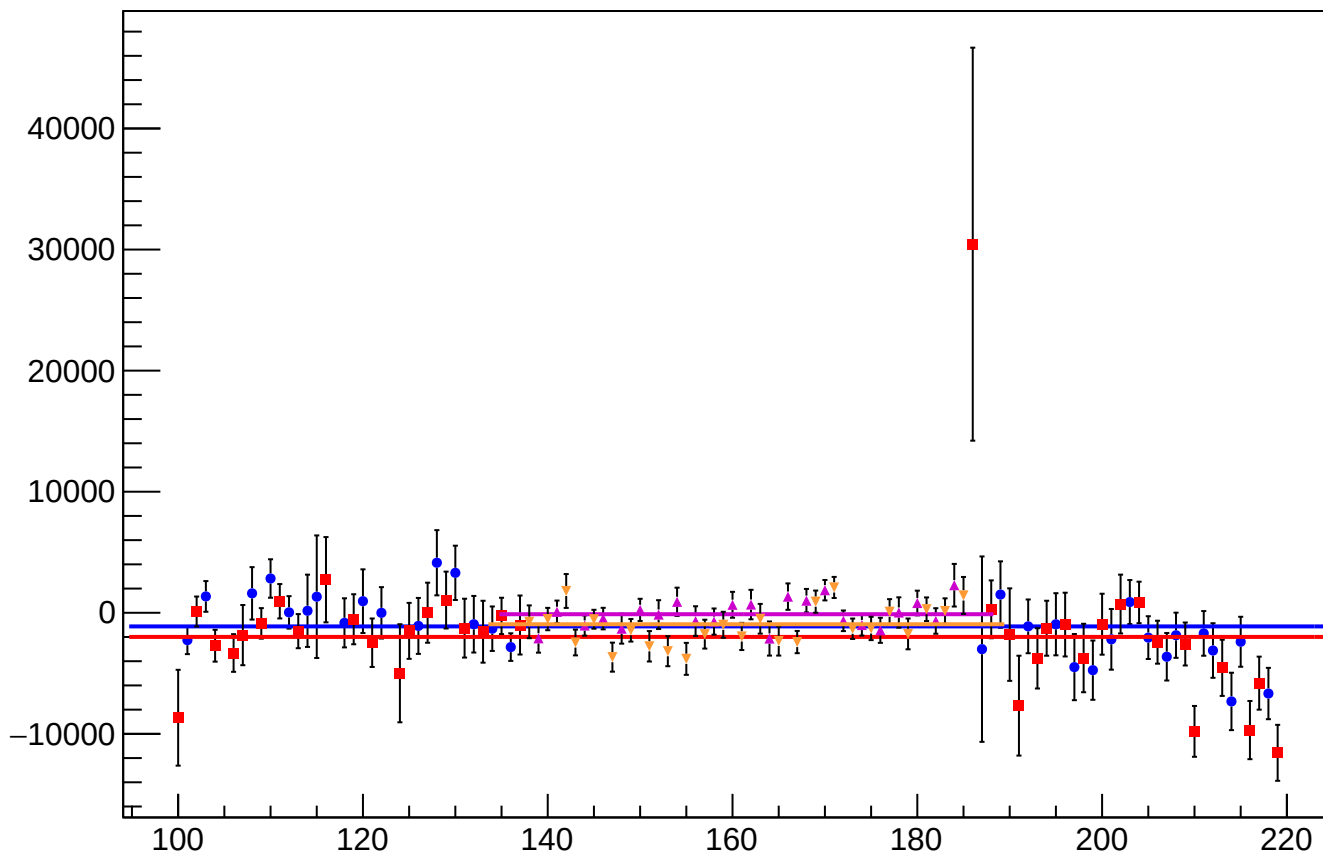
Left In: 124.259 $\pm$ 0.021 χ^2 /NDF: 557214.9/22

+ sign 126.677 $\pm$ 0.014 χ^2 /NDF: 2135515.8/56

All: 126.740 $\pm$ 0.010 χ^2 /NDF: 5126991.6/116

- sign 126.803 $\pm$ 0.015 χ^2 /NDF: 2991438.2/59

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -1125.471 $\pm$ 346.400 χ^2 /NDF: 47.7/31

Left Out: -947.720 $\pm$ 211.794 χ^2 /NDF: 50.3/24

Right Out: -1993.346 $\pm$ 337.041 χ^2 /NDF: 76.6/36

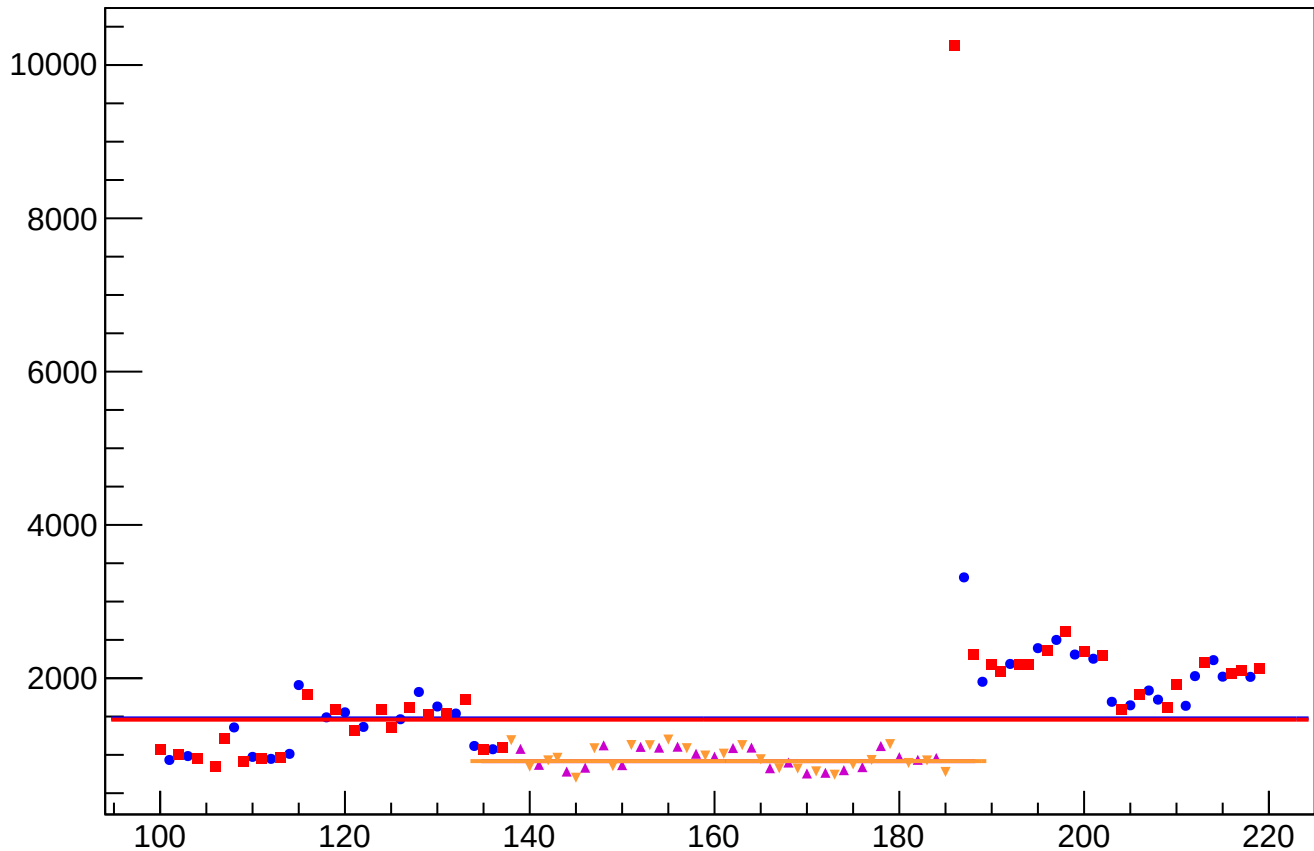
Left In: -118.433 $\pm$ 217.165 χ^2 /NDF: 24.4/22

+ sign -996.088 $\pm$ 180.695 χ^2 /NDF: 98.2/56

All: -833.954 $\pm$ 128.422 χ^2 /NDF: 222.7/116

- sign -668.470 $\pm$ 182.552 χ^2 /NDF: 122.9/59

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1475.752+/-0.245 χ^2/NDF : 3801943.2/31

Left Out: 918.501+/-0.150 χ^2/NDF : 887820.0/24

Right Out: 1459.192+/-0.238 χ^2/NDF : 5294077.0/36

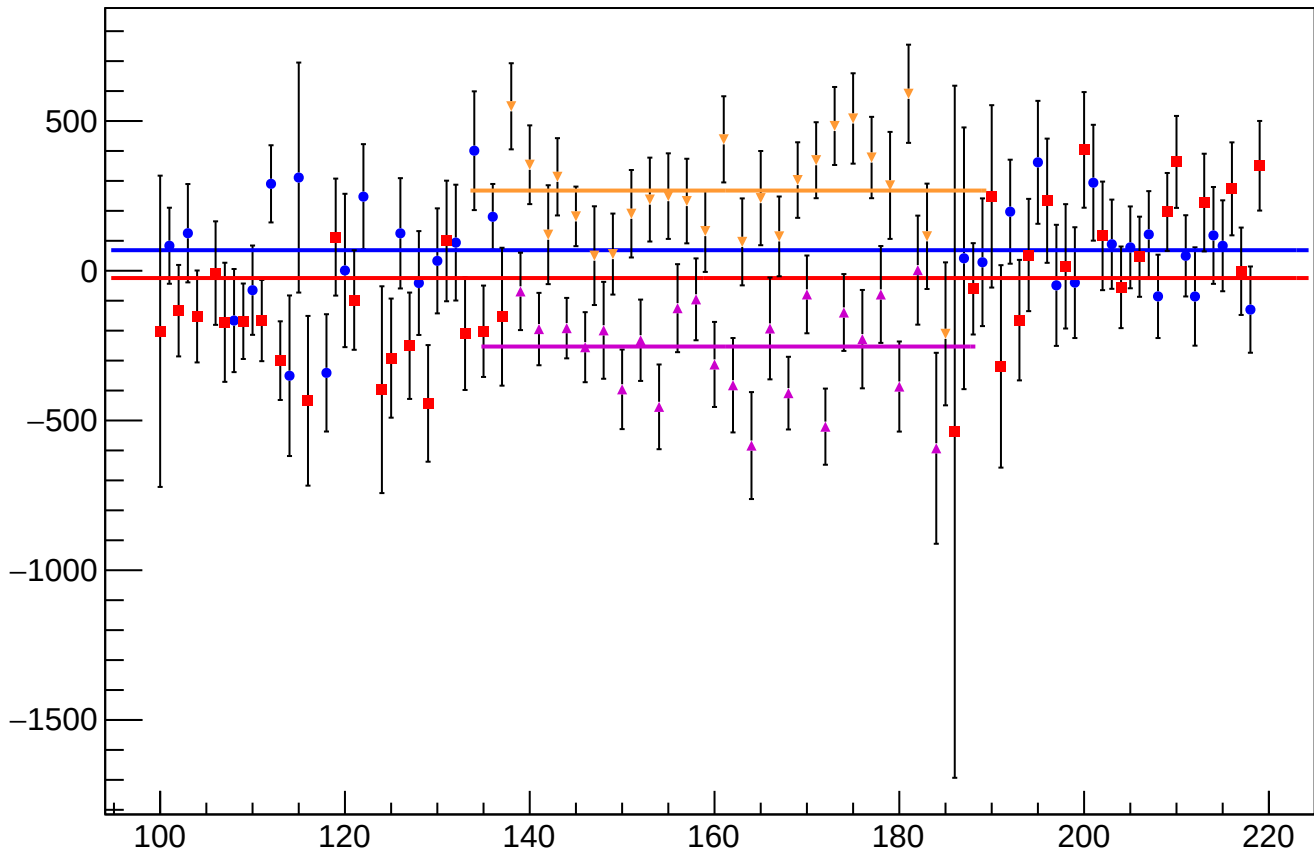
Left In: 918.214+/-0.154 χ^2/NDF : 666262.3/22

+ sign 1070.133+/-0.128 χ^2/NDF : 8457177.0/56

All: 1073.491+/-0.091 χ^2/NDF : 18059895.1/100

- sign 1076.919+/-0.129 χ^2/NDF : 9601322.0/59

cor_asym_sam_48_dd_mean vs Slug



Right In: 68.628 ± 29.523 $\chi^2/\text{NDF}: 27.4/31$

Left Out: 267.791 ± 28.407 $\chi^2/\text{NDF}: 31.0/24$

Right Out: -24.349 ± 28.791 $\chi^2/\text{NDF}: 55.2/36$

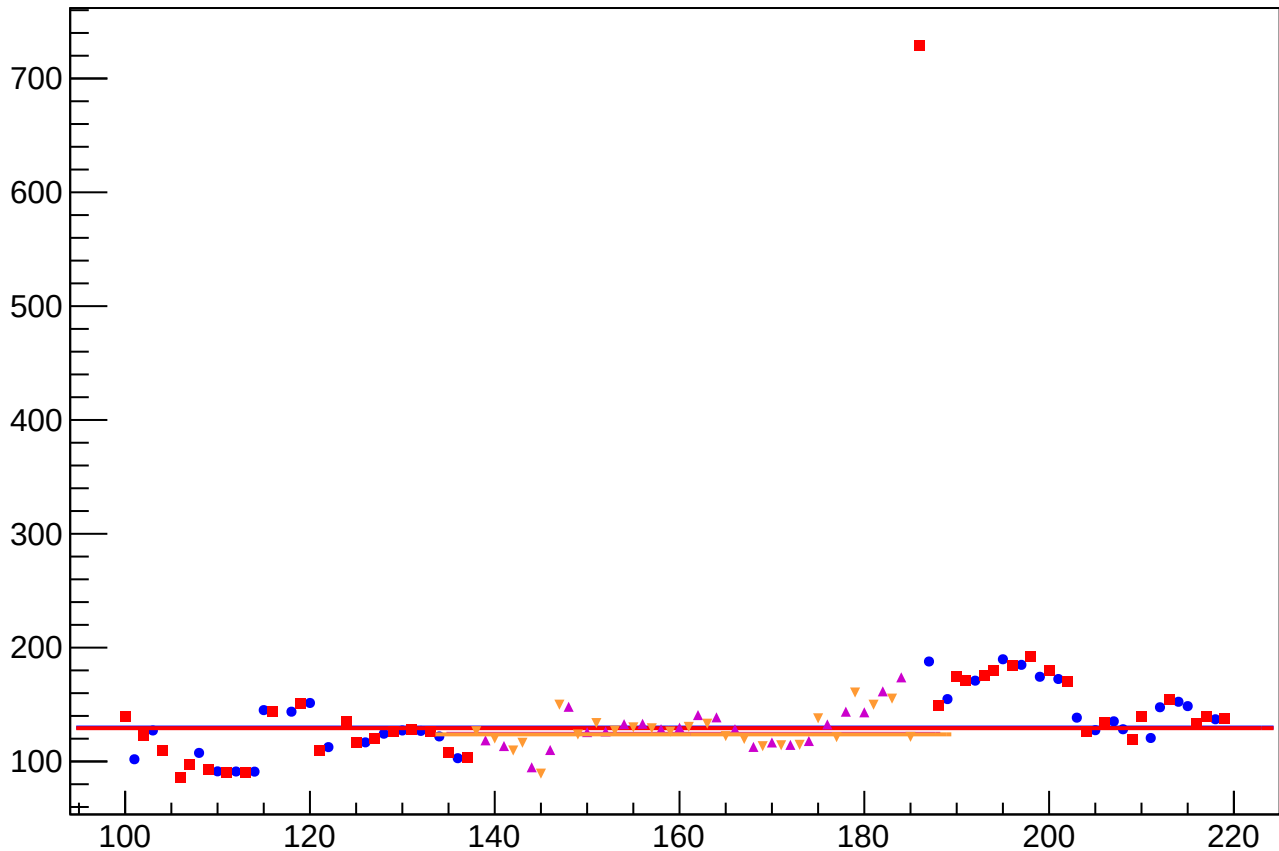
Left In: -253.051 ± 29.313 $\chi^2/\text{NDF}: 26.2/22$

+ sign 172.044 ± 20.470 $\chi^2/\text{NDF}: 82.1/56$

All: 18.228 ± 14.499 $\chi^2/\text{NDF}: 307.8/116$

- sign -136.645 ± 20.540 $\chi^2/\text{NDF}: 112.4/59$

cor_asym_sam_48_dd_rms vs Slug



Right In: 129.777 $\pm$ 0.021 χ^2 /NDF: 1494617.3/31

Left Out: 123.807 $\pm$ 0.020 χ^2 /NDF: 598444.2/24

Right Out: 129.231 $\pm$ 0.020 χ^2 /NDF: 2410693.7/36

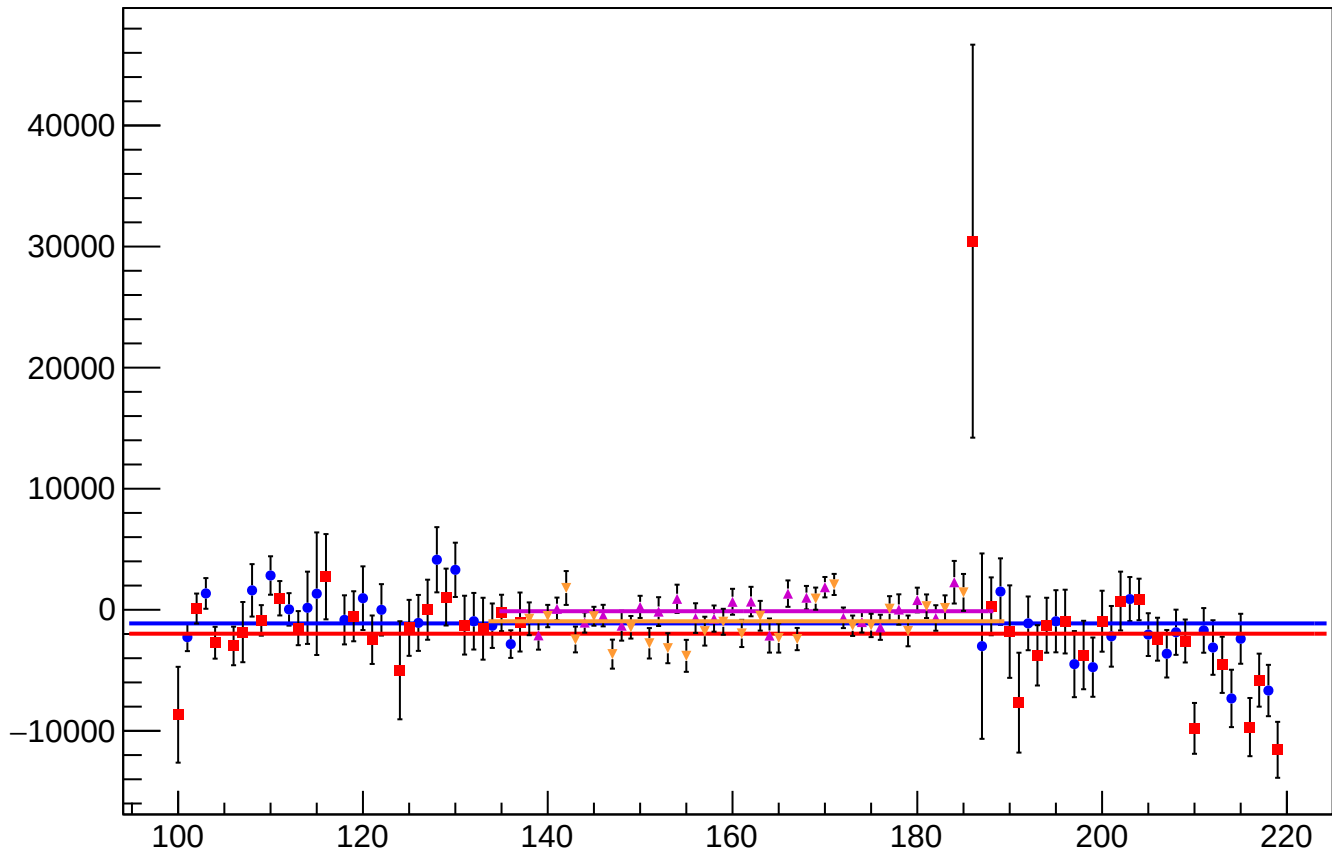
Left In: 124.259 $\pm$ 0.021 χ^2 /NDF: 557214.9/22

+ sign 126.677 $\pm$ 0.014 χ^2 /NDF: 2135515.8/56

All: 126.733 $\pm$ 0.010 χ^2 /NDF: 5132748.4/116

- sign 126.790 $\pm$ 0.015 χ^2 /NDF: 2997202.4/59

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -1125.530 $\pm$ 346.401 χ^2/NDF : 47.7/31

Left Out: -947.709 $\pm$ 211.794 χ^2/NDF : 50.3/24

Right Out: -1975.788 $\pm$ 337.412 χ^2/NDF : 76.2/36

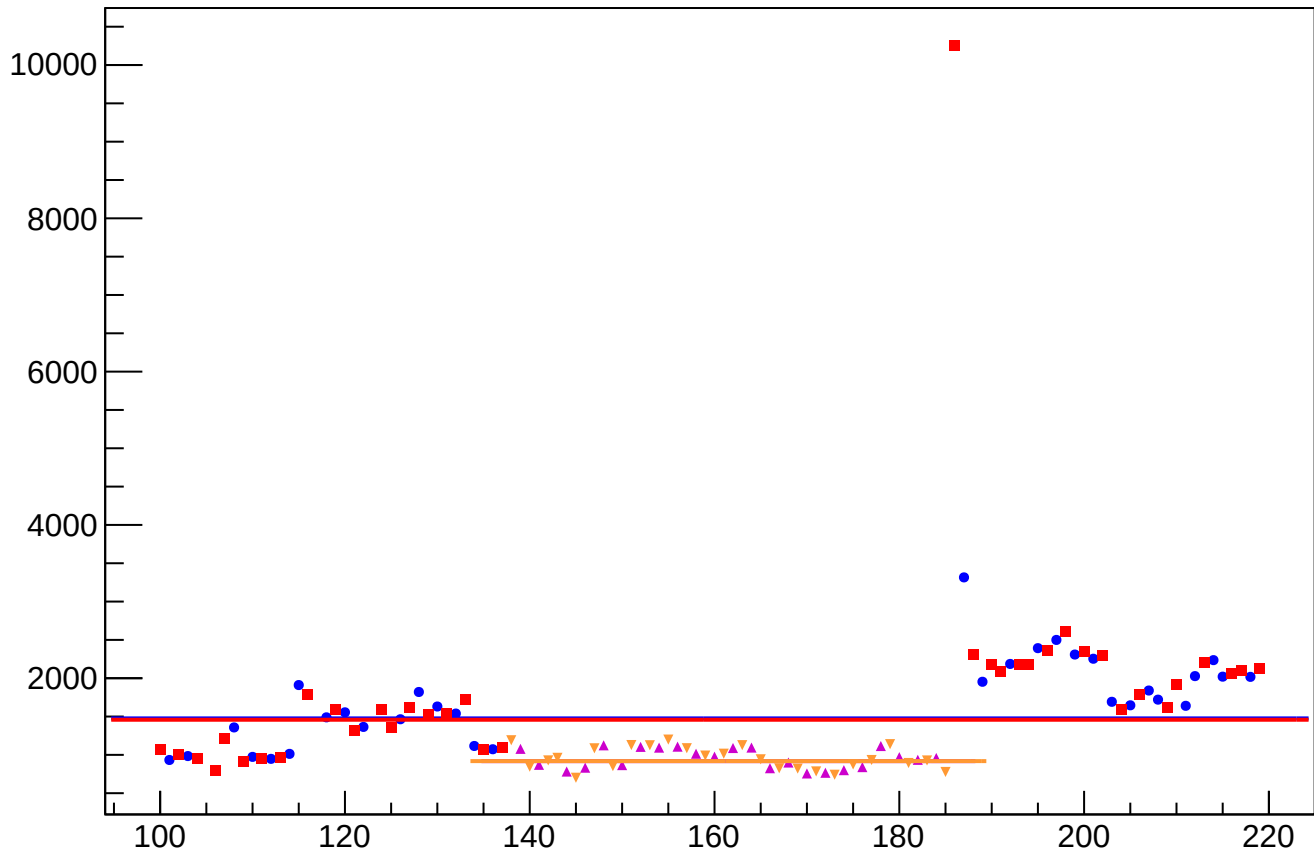
Left In: -118.435 $\pm$ 217.165 χ^2/NDF : 24.4/22

+ sign -996.095 $\pm$ 180.696 χ^2/NDF : 98.2/56

All: -831.043 $\pm$ 128.443 χ^2/NDF : 221.9/116

- sign -662.473 $\pm$ 182.611 χ^2/NDF : 122.1/59

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1475.760+/-0.245 χ^2/NDF : 3801836.9/31

Left Out: 918.501+/-0.150 χ^2/NDF : 887819.5/24

Right Out: 1458.290+/-0.239 χ^2/NDF : 5330116.8/36

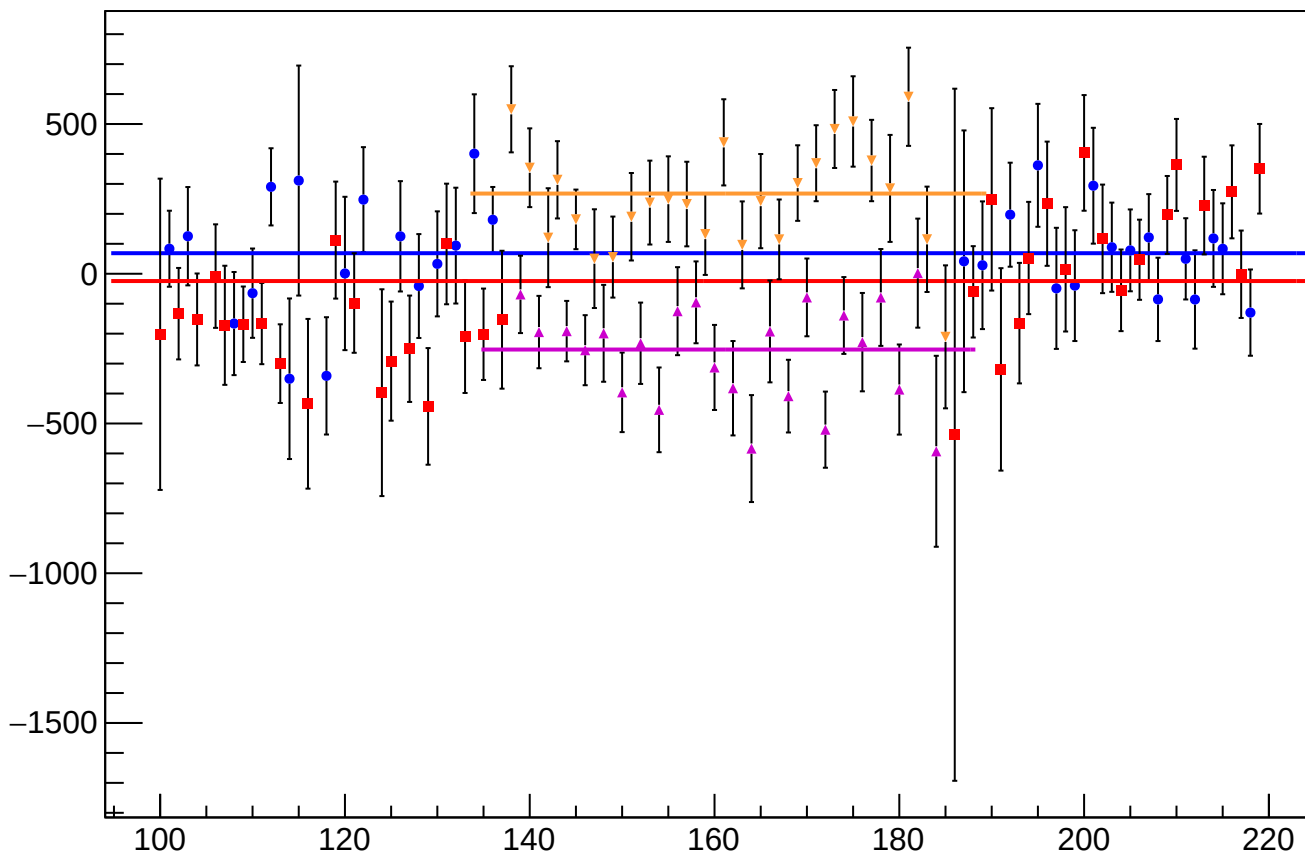
Left In: 918.214+/-0.154 χ^2/NDF : 666263.4/22

+ sign 1070.134+/-0.128 χ^2/NDF : 8457162.8/56

All: 1073.238+/-0.091 χ^2/NDF : 18077943.1/1

- sign 1076.408+/-0.129 χ^2/NDF : 9619587.4/59

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 68.628 ± 29.523 $\chi^2/\text{NDF}: 27.4/31$

Left Out: 267.791 ± 28.407 $\chi^2/\text{NDF}: 31.0/24$

Right Out: -24.349 ± 28.791 $\chi^2/\text{NDF}: 55.2/36$

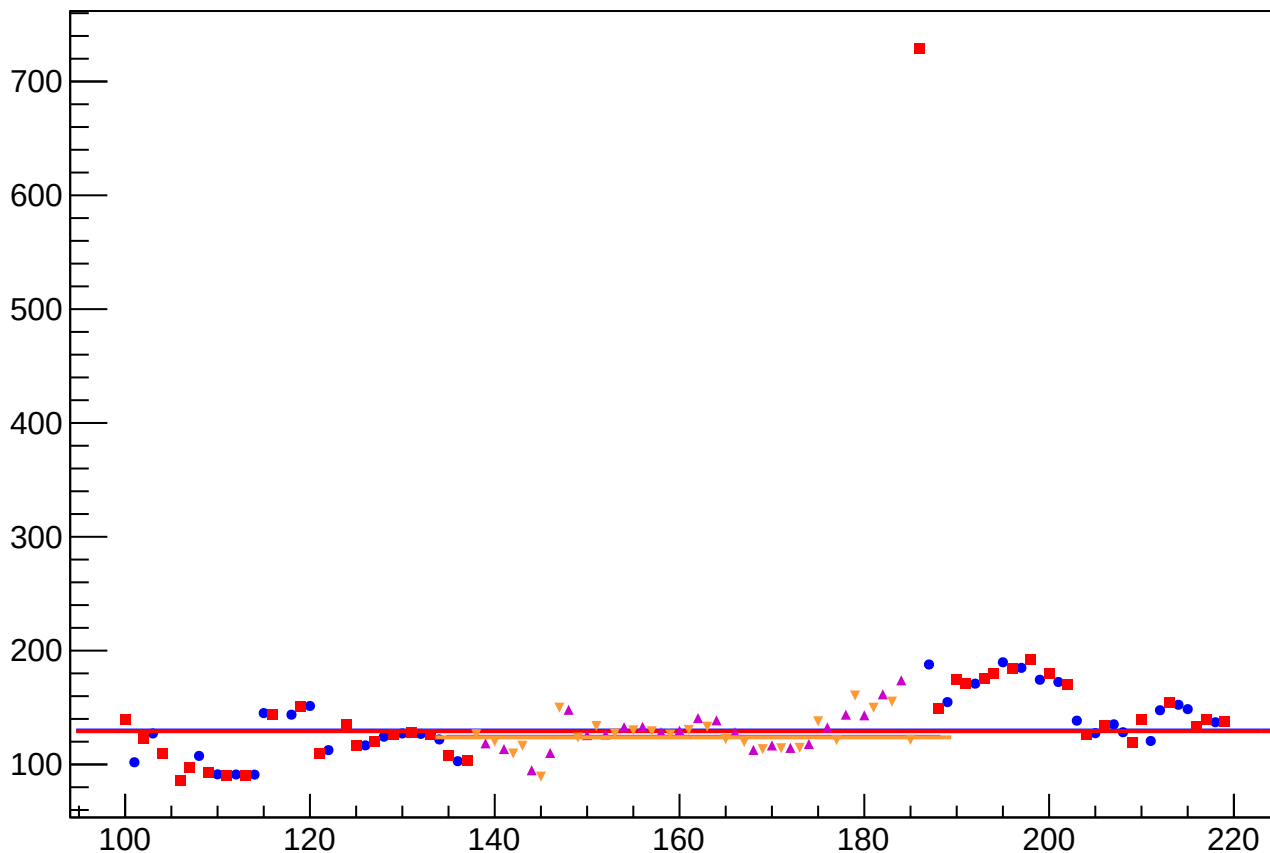
Left In: -253.051 ± 29.313 $\chi^2/\text{NDF}: 26.2/22$

+ sign 172.044 ± 20.470 $\chi^2/\text{NDF}: 82.1/56$

All: 18.228 ± 14.499 $\chi^2/\text{NDF}: 307.8/116$

- sign -136.645 ± 20.540 $\chi^2/\text{NDF}: 112.4/59$

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 129.777 $\pm$ 0.021 χ^2 /NDF: 1494617.3/31

Left Out: 123.807 $\pm$ 0.020 χ^2 /NDF: 598444.2/24

Right Out: 129.231 $\pm$ 0.020 χ^2 /NDF: 2410693.7/36

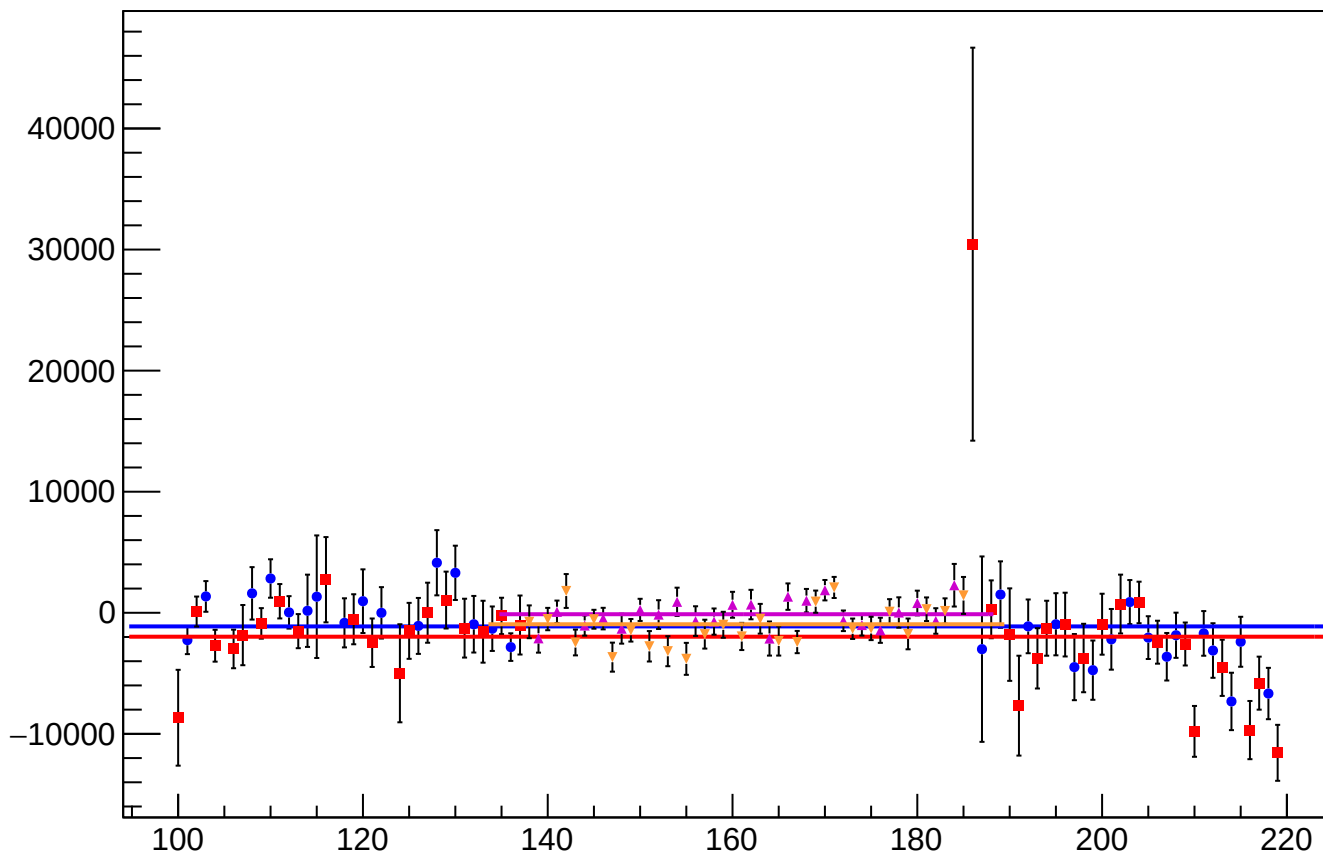
Left In: 124.259 $\pm$ 0.021 χ^2 /NDF: 557214.9/22

+ sign 126.677 $\pm$ 0.014 χ^2 /NDF: 2135515.8/56

All: 126.733 $\pm$ 0.010 χ^2 /NDF: 5132748.4/116

- sign 126.790 $\pm$ 0.015 χ^2 /NDF: 2997202.4/59

asym_sam_48_dd_eigen_cor_correction_mean vs Slug



Right In: -1125.530 $\pm$ 346.401 χ^2 /NDF: 47.7/31

Left Out: -947.709 $\pm$ 211.794 χ^2 /NDF:50.3/24

Right Out: -1975.788 $\pm$ 337.412 χ^2 /NDF: 76.2/36

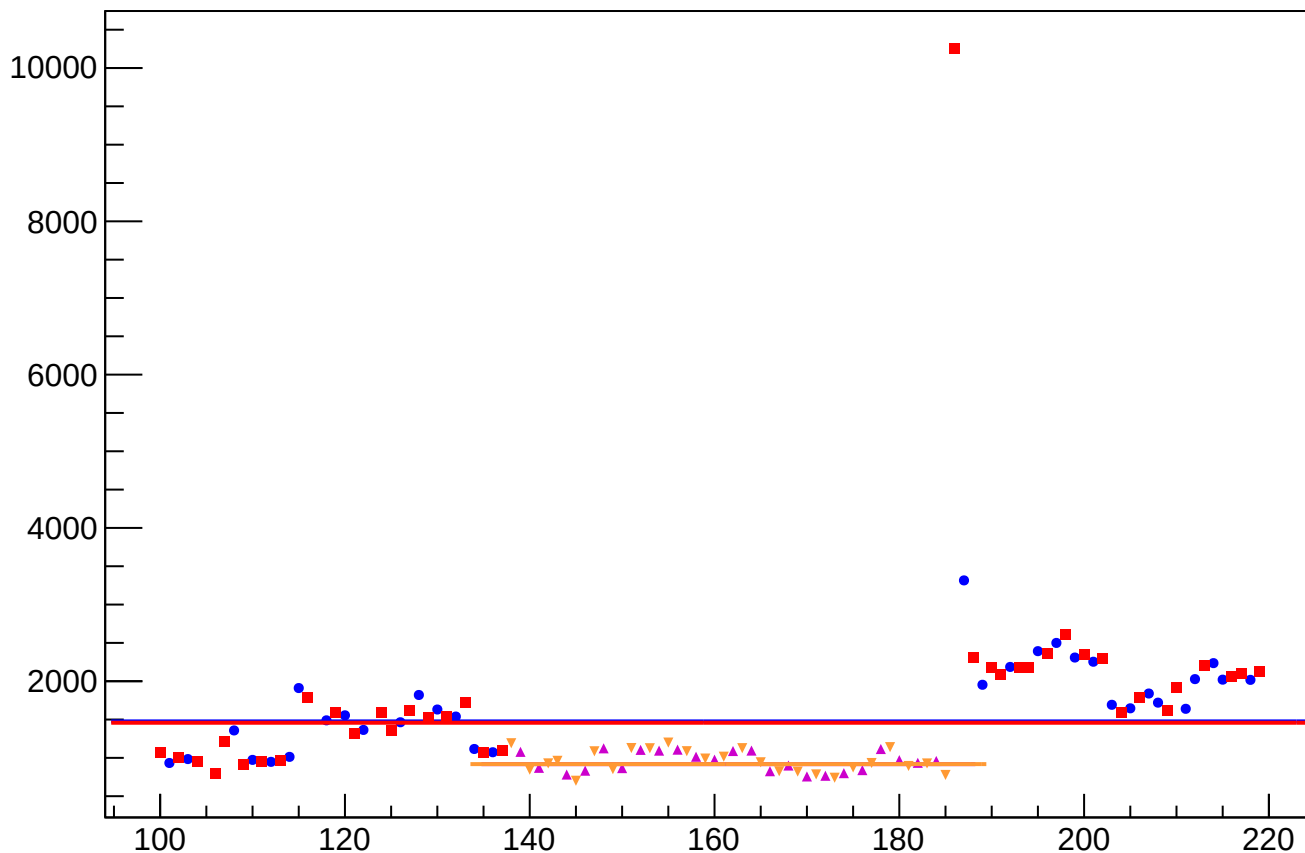
Left In: -118.435 $\pm$ 217.165 χ^2 /NDF:24.4/22

+ sign -996.095 $\pm$ 180.696 χ^2 /NDF: 98.2/56

All: -831.043 $\pm$ 128.443 χ^2 /NDF: 221.9/116

- sign -662.473 $\pm$ 182.611 χ^2 /NDF: 122.1/59

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1475.760+/-0.245 χ^2/NDF : 3801836.9/31

Left Out: 918.501+/-0.150 χ^2/NDF : 887819.5/24

+ sign 1070.134+/-0.128 χ^2/NDF : 8457162.8/56

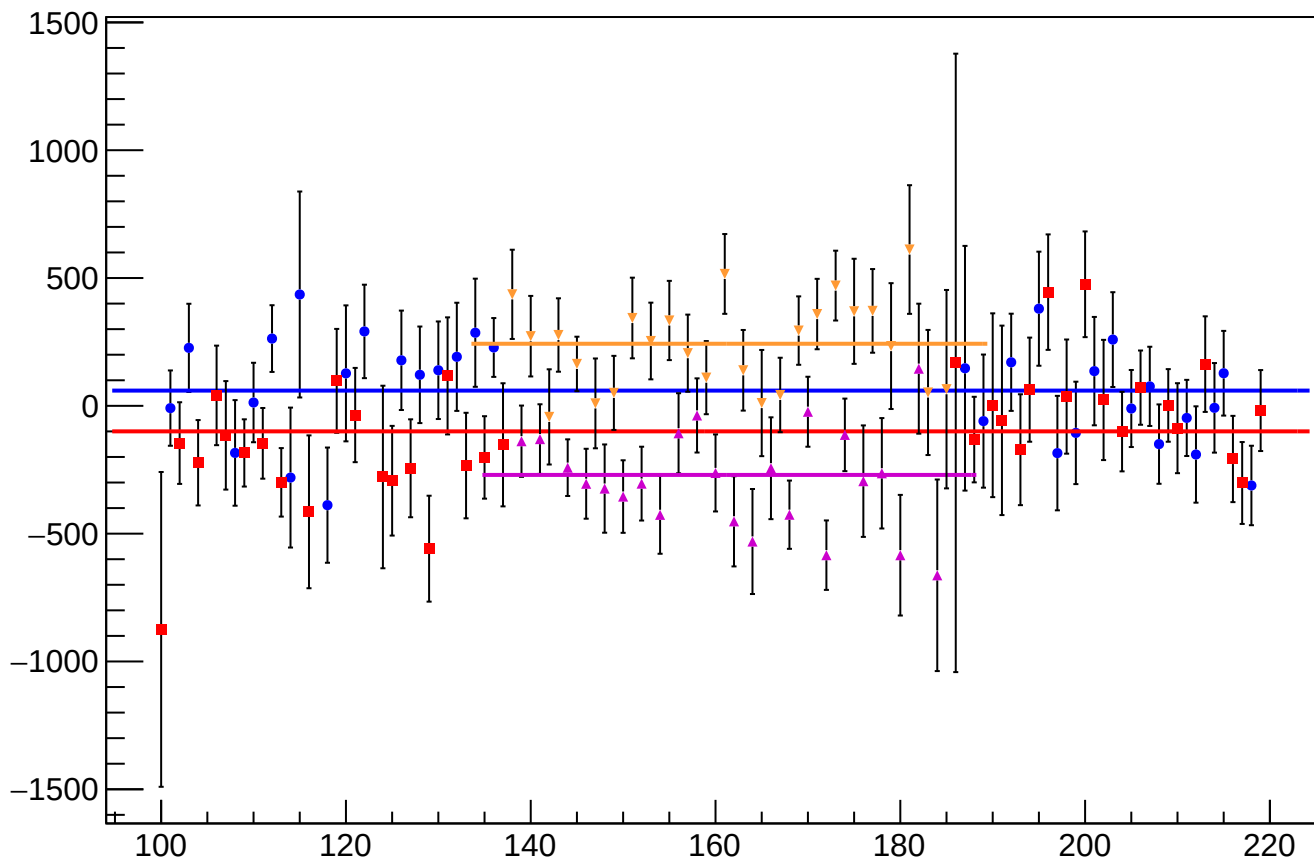
Right Out: 1458.290+/-0.239 χ^2/NDF : 5330116.8/36

All: 1073.238+/-0.091 χ^2/NDF : 18077943.1/1

- sign 1076.408+/-0.129 χ^2/NDF : 9619587.4/59

Left In: 918.214+/-0.154 χ^2/NDF : 666263.4/22

dit_asym_sam_48_dd_mean vs Slug



Right In: 59.634 ± 32.233 $\chi^2/\text{NDF}: 33.6/31$

Left Out: 242.890 ± 32.138 $\chi^2/\text{NDF}: 23.7/24$

Right Out: -99.835 ± 31.215 $\chi^2/\text{NDF}: 37.2/36$

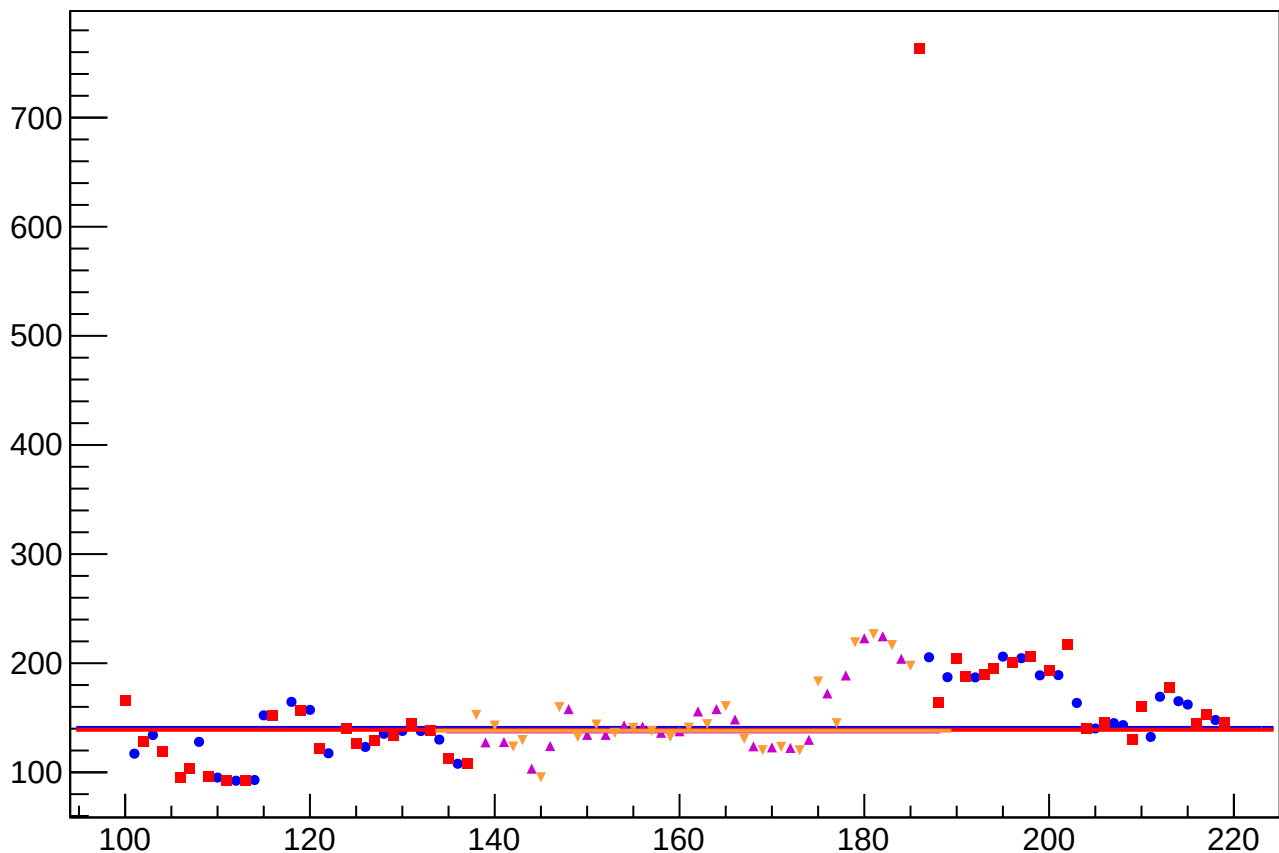
Left In: -270.243 ± 32.893 $\chi^2/\text{NDF}: 26.7/22$

+ sign 151.530 ± 22.759 $\chi^2/\text{NDF}: 73.5/56$

All: -15.375 ± 16.051 $\chi^2/\text{NDF}: 258.5/116$

- sign -180.582 ± 22.642 $\chi^2/\text{NDF}: 78.1/59$

dit_asym_sam_48_dd_rms vs Slug



Right In: 140.696 $\pm$ 0.023 χ^2 /NDF: 1754756.5/31

Left Out: 138.127 $\pm$ 0.023 χ^2 /NDF:1338308.5/24

Right Out: 138.994 $\pm$ 0.022 χ^2 /NDF: 2784652.0/36

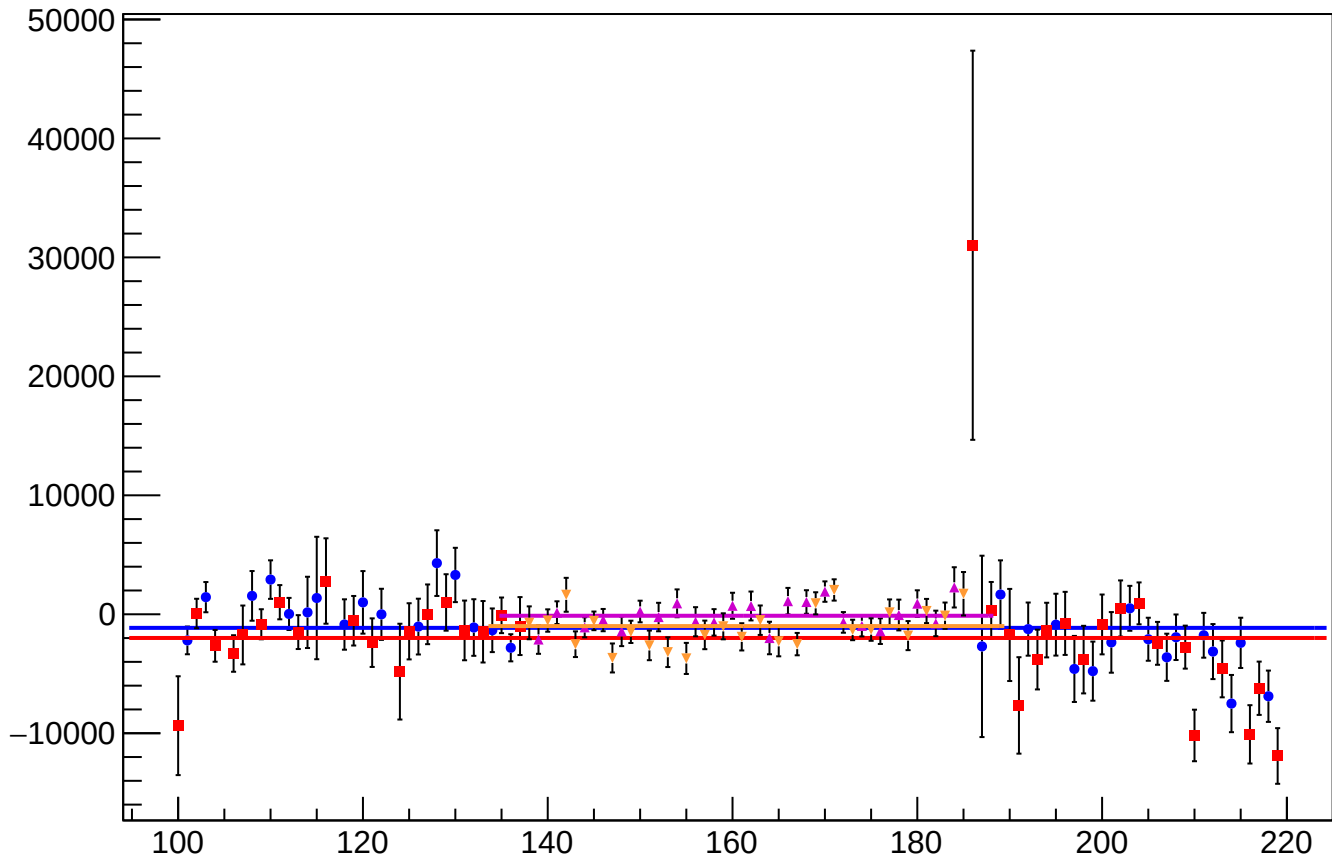
Left In: 137.491 $\pm$ 0.023 χ^2 /NDF:1109333.5/22

+ sign 139.408 $\pm$ 0.016 χ^2 /NDF: 3099432.9/56

All: 138.842 $\pm$ 0.011 χ^2 /NDF: 6998074.3/116

- sign 138.282 $\pm$ 0.016 χ^2 /NDF: 3896181.9/59

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -1142.548 $\pm$ 350.839 χ^2 /NDF: 47.9/31

Left Out: -993.237 $\pm$ 215.652 χ^2 /NDF: 46.9/24

Right Out: -1991.627 $\pm$ 340.145 χ^2 /NDF: 79.6/36

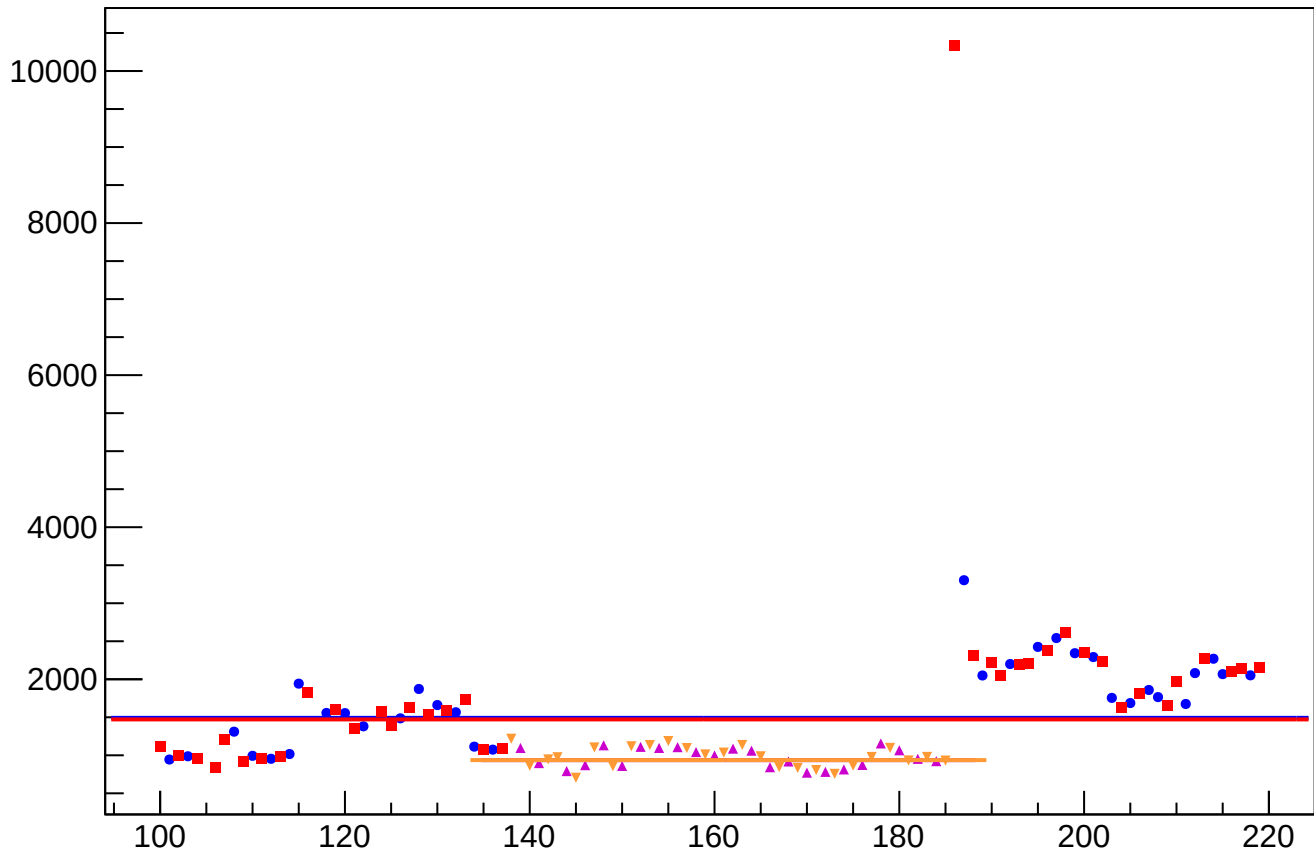
Left In: -124.857 $\pm$ 221.367 χ^2 /NDF: 23.9/22

+ sign -1034.181 $\pm$ 183.720 χ^2 /NDF: 94.9/56

All: -858.966 $\pm$ 130.547 χ^2 /NDF: 221.4/116

- sign -680.271 $\pm$ 185.536 χ^2 /NDF: 124.6/59

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1492.546 $\pm$ 0.248 χ^2 /NDF: 3936277.7/31

Left Out: 936.743 $\pm$ 0.152 χ^2 /NDF:832449.3/24

Right Out: 1471.926 $\pm$ 0.241 χ^2 /NDF: 5356921.8/36

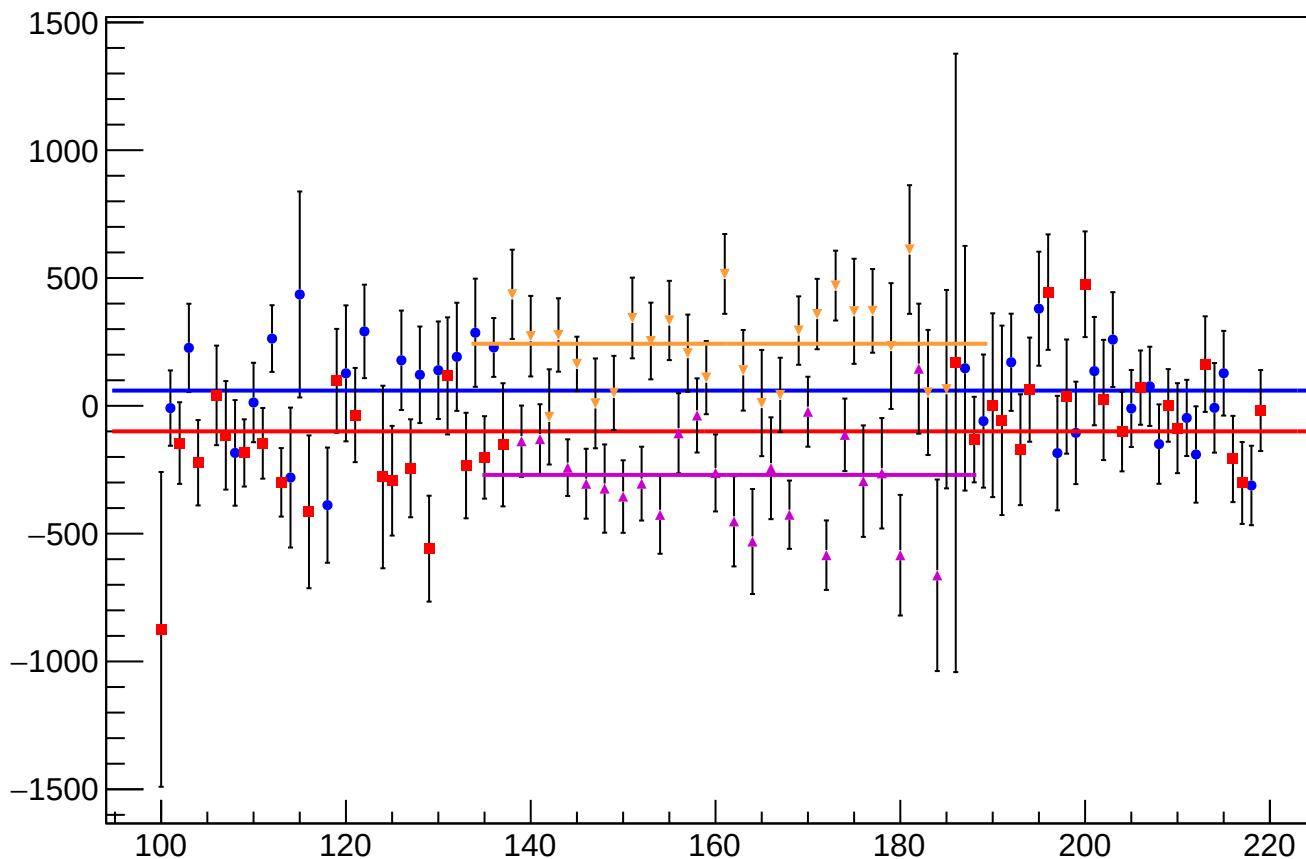
Left In: 936.380 $\pm$ 0.157 χ^2 /NDF:642749.3/22

+ sign 1089.155 $\pm$ 0.130 χ^2 /NDF: 8411740.3/56

All: 1092.405 $\pm$ 0.092 χ^2 /NDF: 17895443.7/100

- sign 1095.720 $\pm$ 0.131 χ^2 /NDF: 9482439.2/59

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 59.637 +/- 32.233 χ^2/NDF : 33.6/31

Left Out: 242.892 +/- 32.138 χ^2/NDF : 23.7/24

Right Out: -99.833 +/- 31.215 χ^2/NDF : 37.2/36

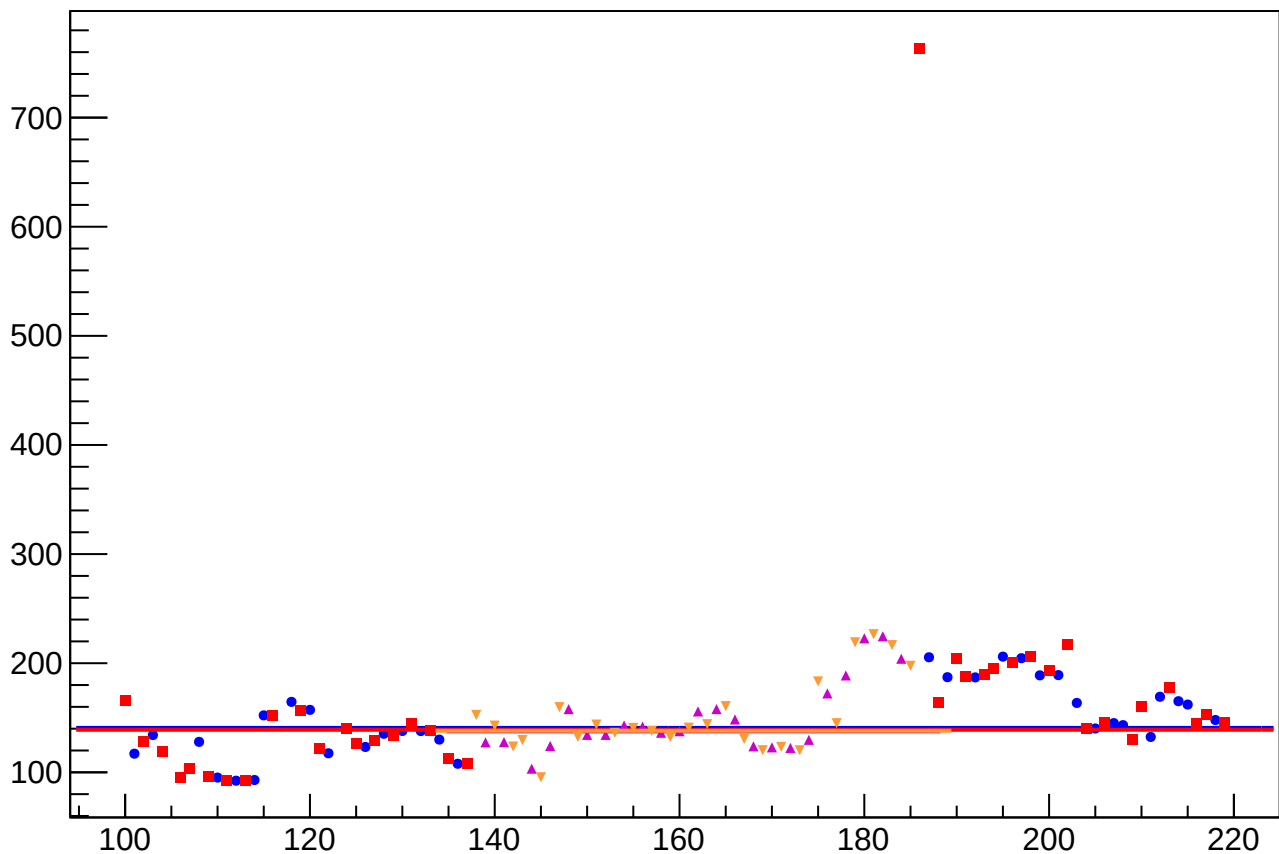
Left In: -270.244 +/- 32.893 χ^2/NDF : 26.7/22

+ sign 151.532 +/- 22.759 χ^2/NDF : 73.5/56

All: -15.374 +/- 16.051 χ^2/NDF : 258.5/116

- sign -180.581 +/- 22.642 χ^2/NDF : 78.1/59

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 140.696+/-0.023 χ^2/NDF : 1754738.3/31

Left Out: 138.127+/-0.023 χ^2/NDF :1338311.7/24

Right Out: 138.994+/-0.022 χ^2/NDF : 2784655.2/36

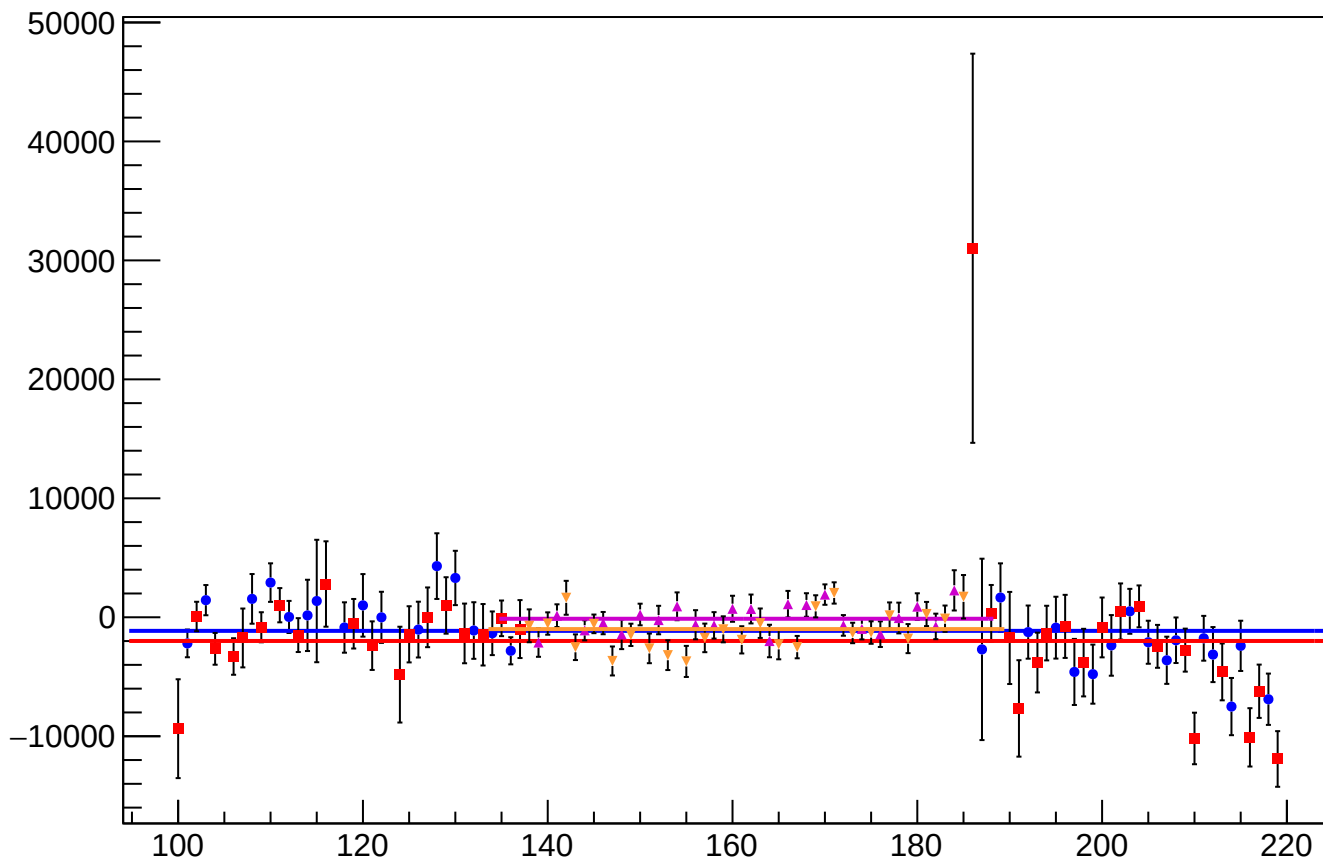
Left In: 137.491+/-0.023 χ^2/NDF :1109319.8/22

+ sign 139.408+/-0.016 χ^2/NDF : 3099417.6/56

All: 138.842+/-0.011 χ^2/NDF : 6998048.3/116

- sign 138.282+/-0.016 χ^2/NDF : 3896171.1/59

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -1142.548 $\pm$ 350.839 χ^2 /NDF: 47.9/31

Left Out: -993.235 $\pm$ 215.652 χ^2 /NDF: 46.9/24

Right Out: -1991.626 $\pm$ 340.145 χ^2 /NDF: 79.6/36

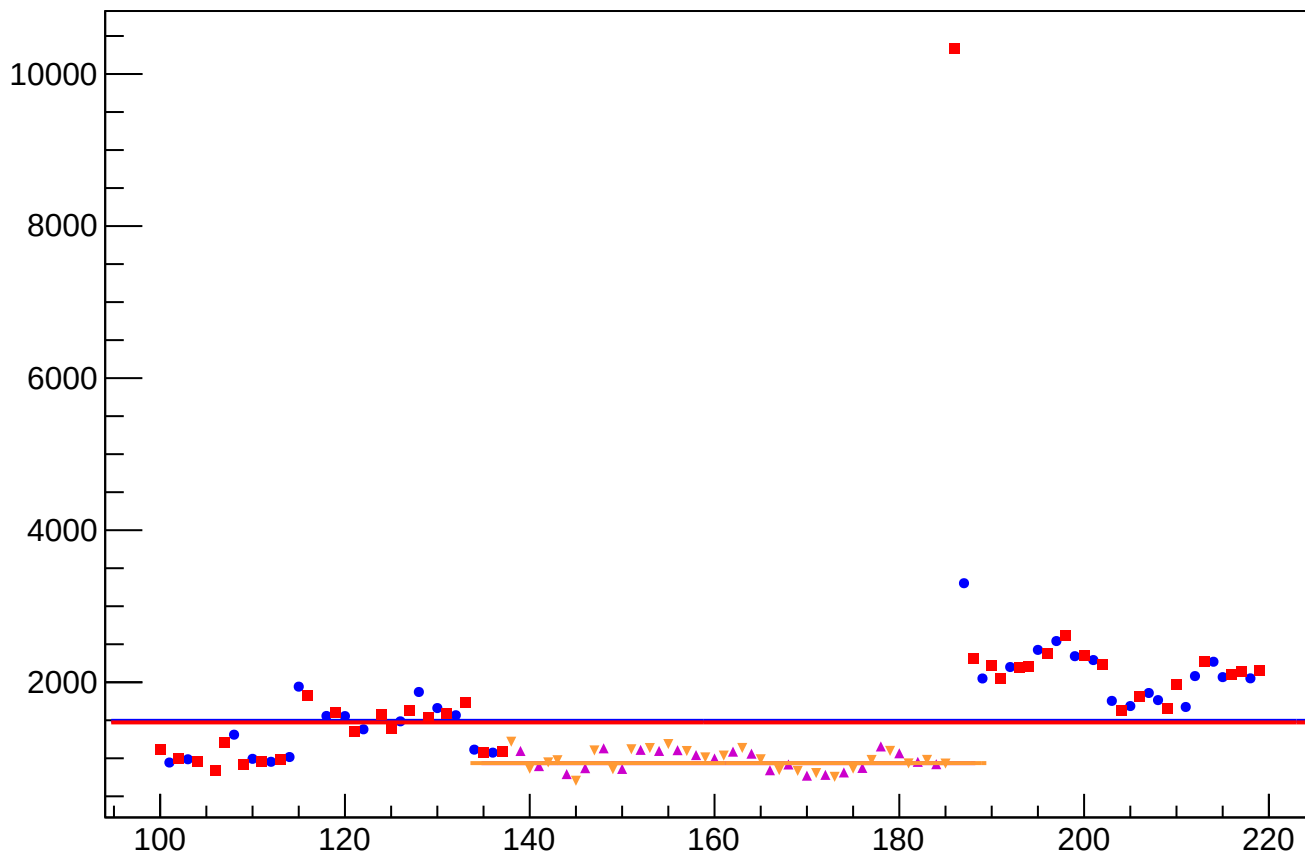
Left In: -124.856 $\pm$ 221.366 χ^2 /NDF: 23.9/22

+ sign -1034.179 $\pm$ 183.720 χ^2 /NDF: 94.9/56

All: -858.964 $\pm$ 130.547 χ^2 /NDF: 221.4/116

- sign -680.269 $\pm$ 185.535 χ^2 /NDF: 124.6/59

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1492.545+/-0.248 χ^2/NDF : 3936269.6/31

Left Out: 936.742+/-0.152 χ^2/NDF : 832452.0/24

Right Out: 1471.926+/-0.241 χ^2/NDF : 5356912.2/36

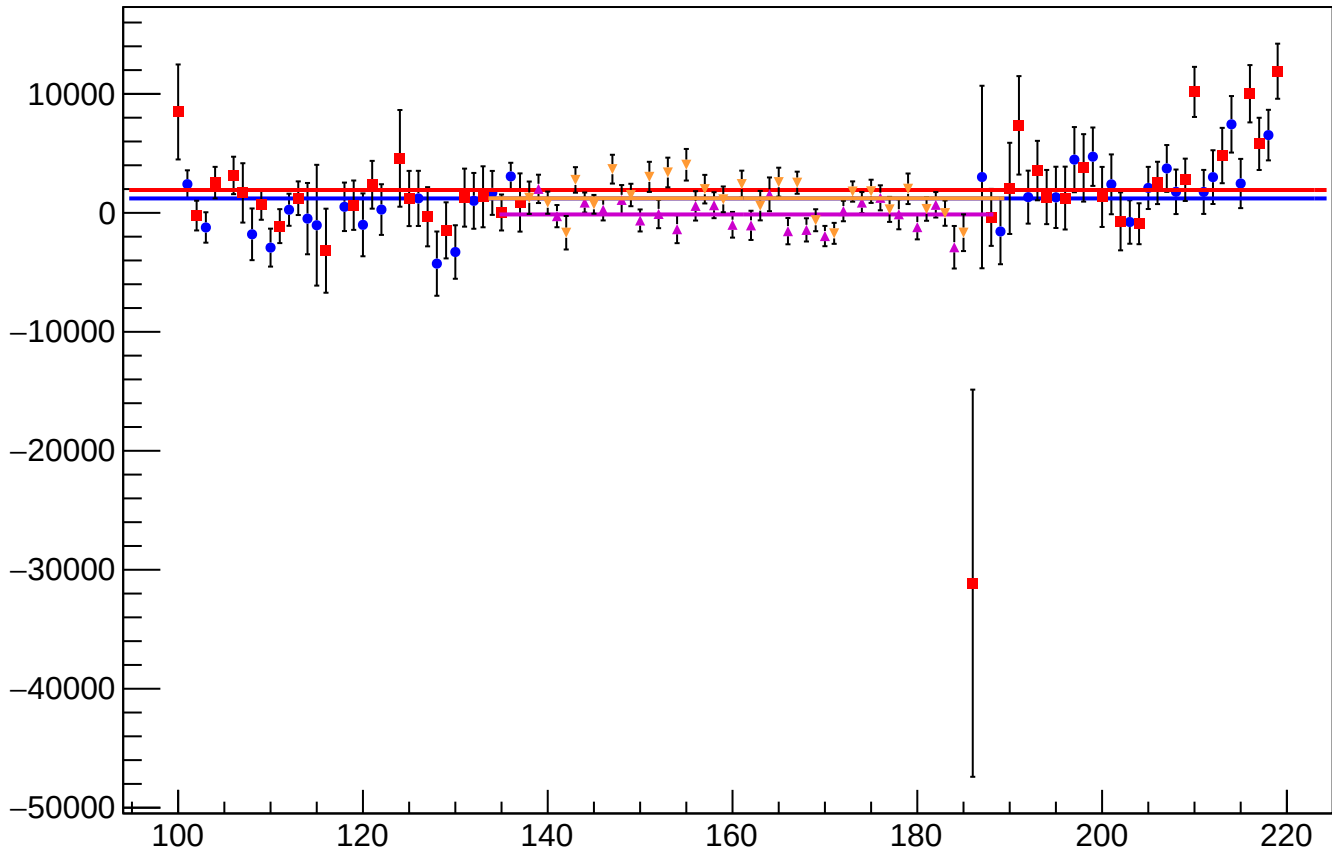
Left In: 936.379+/-0.157 χ^2/NDF : 642748.0/22

+ sign 1089.154+/-0.130 χ^2/NDF : 8411748.3/56

All: 1092.404+/-0.092 χ^2/NDF : 17895449.9/100

- sign 1095.719+/-0.131 χ^2/NDF : 9482437.4/59

asym_sam_48_dd_mean vs Slug



Right In: 1212.067 $\pm$ 347.923 χ^2 /NDF: 48.4/31

Left Out: 1225.521 $\pm$ 213.843 χ^2 /NDF: 48.5/24

Right Out: 1921.986 $\pm$ 338.583 χ^2 /NDF: 81.9/36

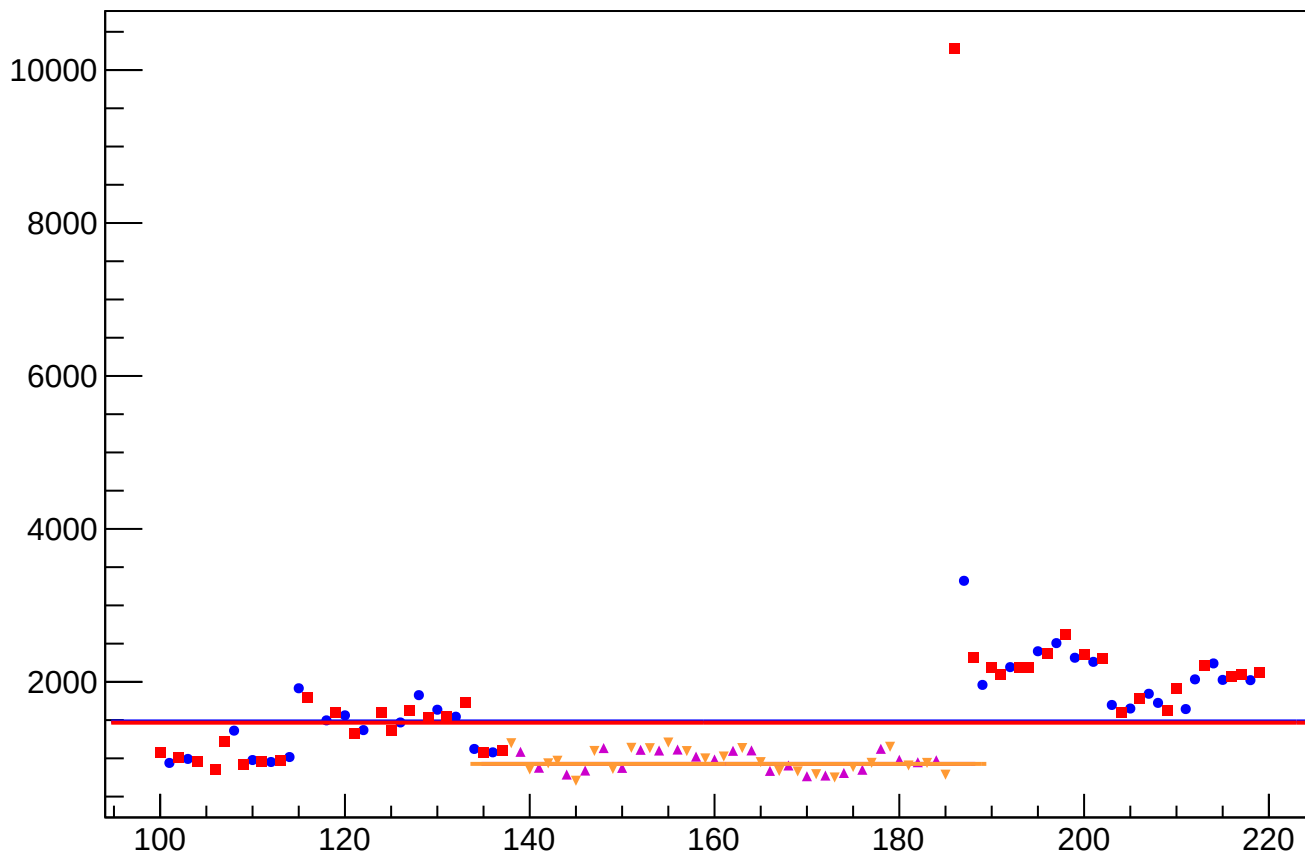
Left In: -132.834 $\pm$ 219.278 χ^2 /NDF: 25.8/22

+ sign 1221.832 $\pm$ 182.183 χ^2 /NDF: 96.9/56

All: 851.904 $\pm$ 129.478 χ^2 /NDF: 238.9/116

- sign 474.349 $\pm$ 184.051 χ^2 /NDF: 133.7/59

asym_sam_48_dd_rms vs Slug



Right In: 1482.892+/-0.246 χ^2/NDF : 3770432.5/31

Left Out: 927.610+/-0.151 χ^2/NDF : 875127.3/24

Right Out: 1466.464+/-0.239 χ^2/NDF : 5257398.8/36

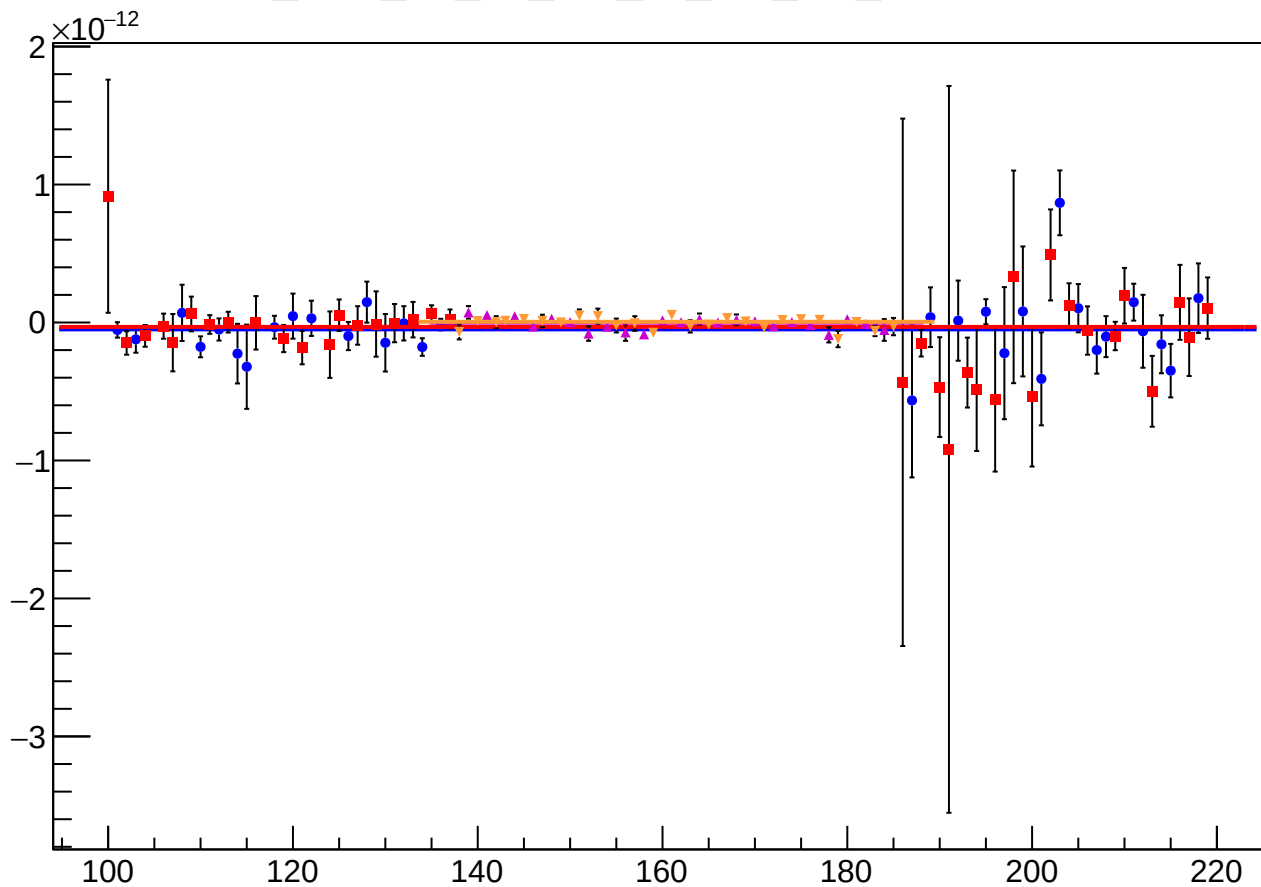
Left In: 927.321+/-0.155 χ^2/NDF : 656539.8/22

+ sign 1079.861+/-0.129 χ^2/NDF : 8343121.5/56

All: 1083.213+/-0.092 χ^2/NDF : 17831101.7/100

- sign 1086.633+/-0.130 χ^2/NDF : 9486612.5/59

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 39.8/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.4/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 29.0/36

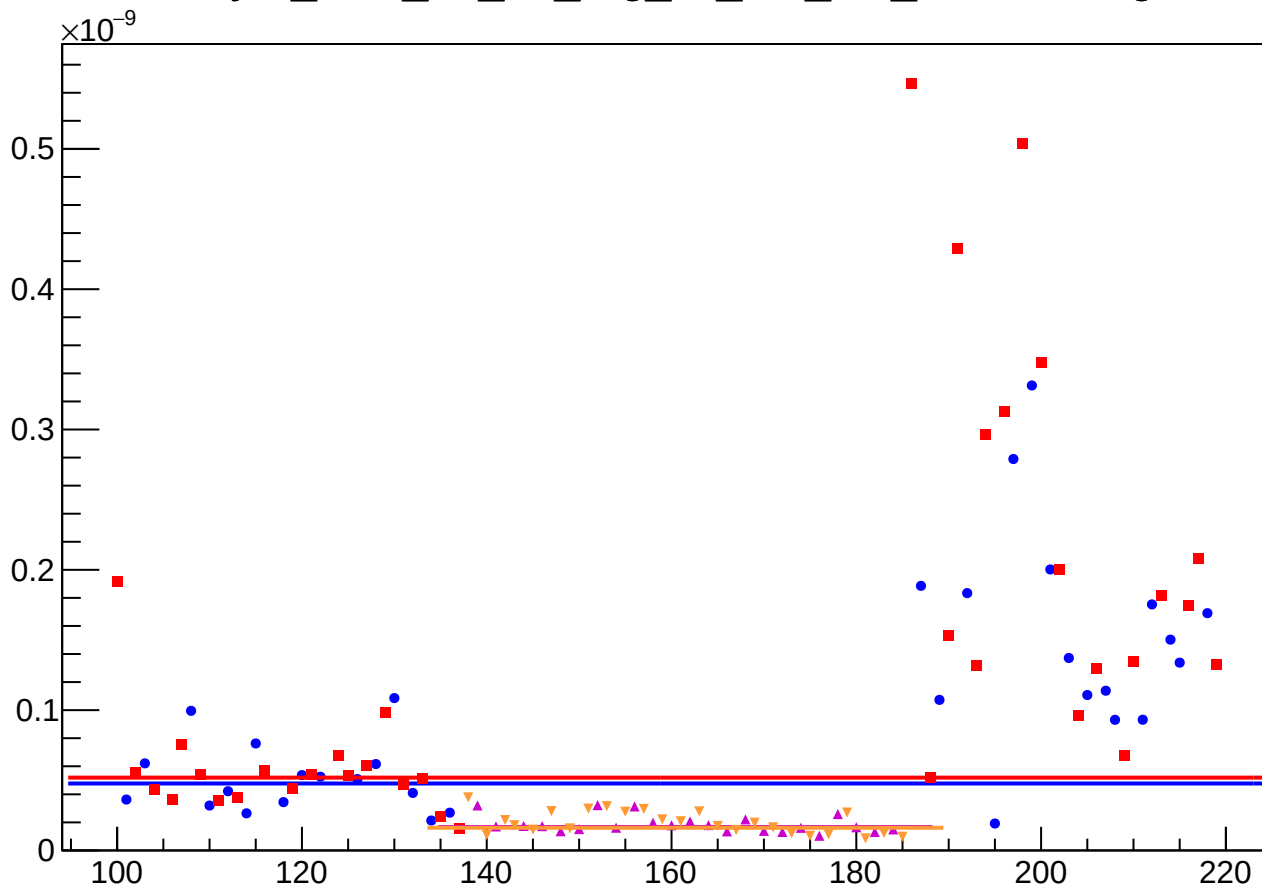
Left In: -0.000 ± 0.000 χ^2/NDF : 27.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 72.1/56

All: -0.000 ± 0.000 χ^2/NDF : 131.0/116

- sign -0.000 ± 0.000 χ^2/NDF : 58.6/59

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7057875.0/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7575873.8/36

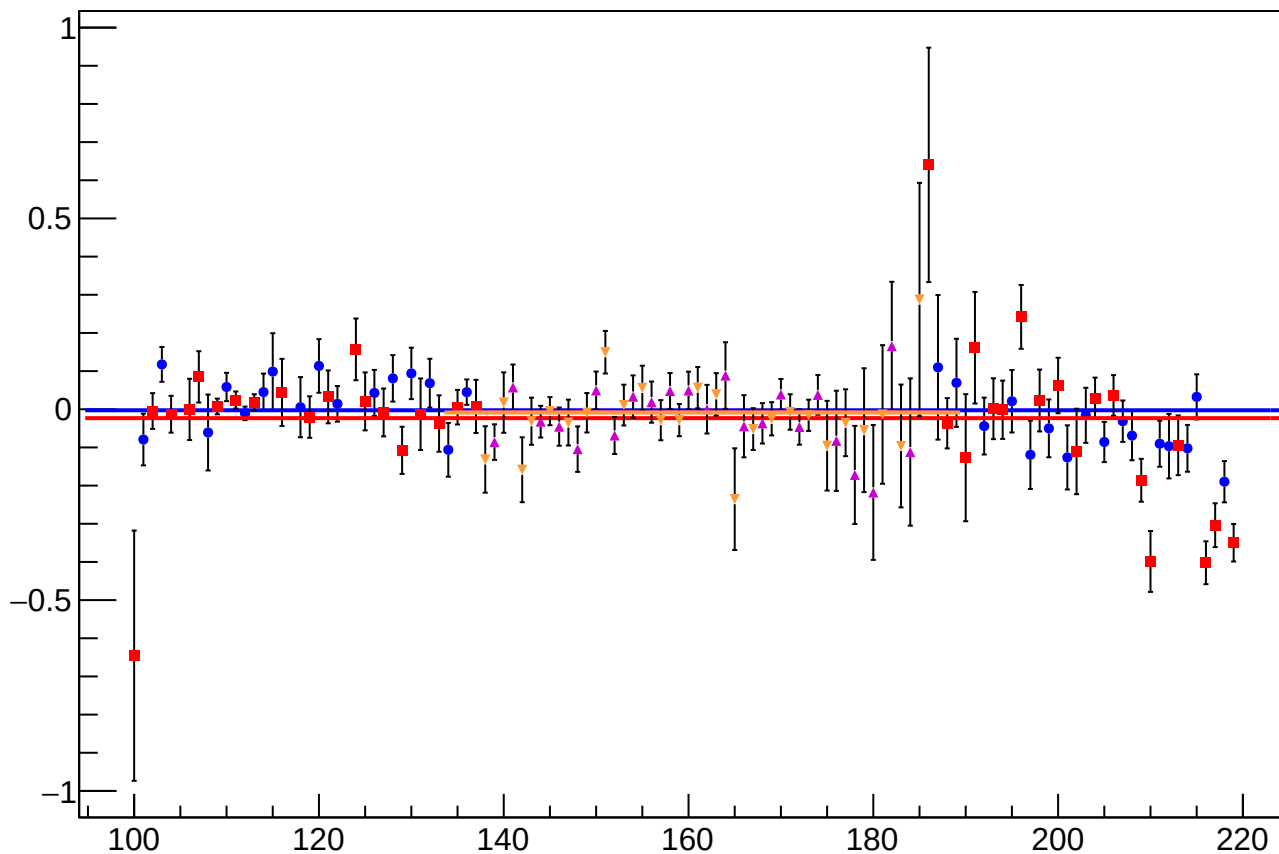
Left In: 0.000+/-0.000 χ^2/NDF : 928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 13637723.6/56

All: 0.000+/-0.000 χ^2/NDF : 27274297.1/116

- sign 0.000+/-0.000 χ^2/NDF : 13618167.9/59

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.009 χ^2/NDF : 53.8/31

Left Out: -0.008 ± 0.012 χ^2/NDF : 23.2/24

Right Out: -0.023 ± 0.008 χ^2/NDF : 192.7/36

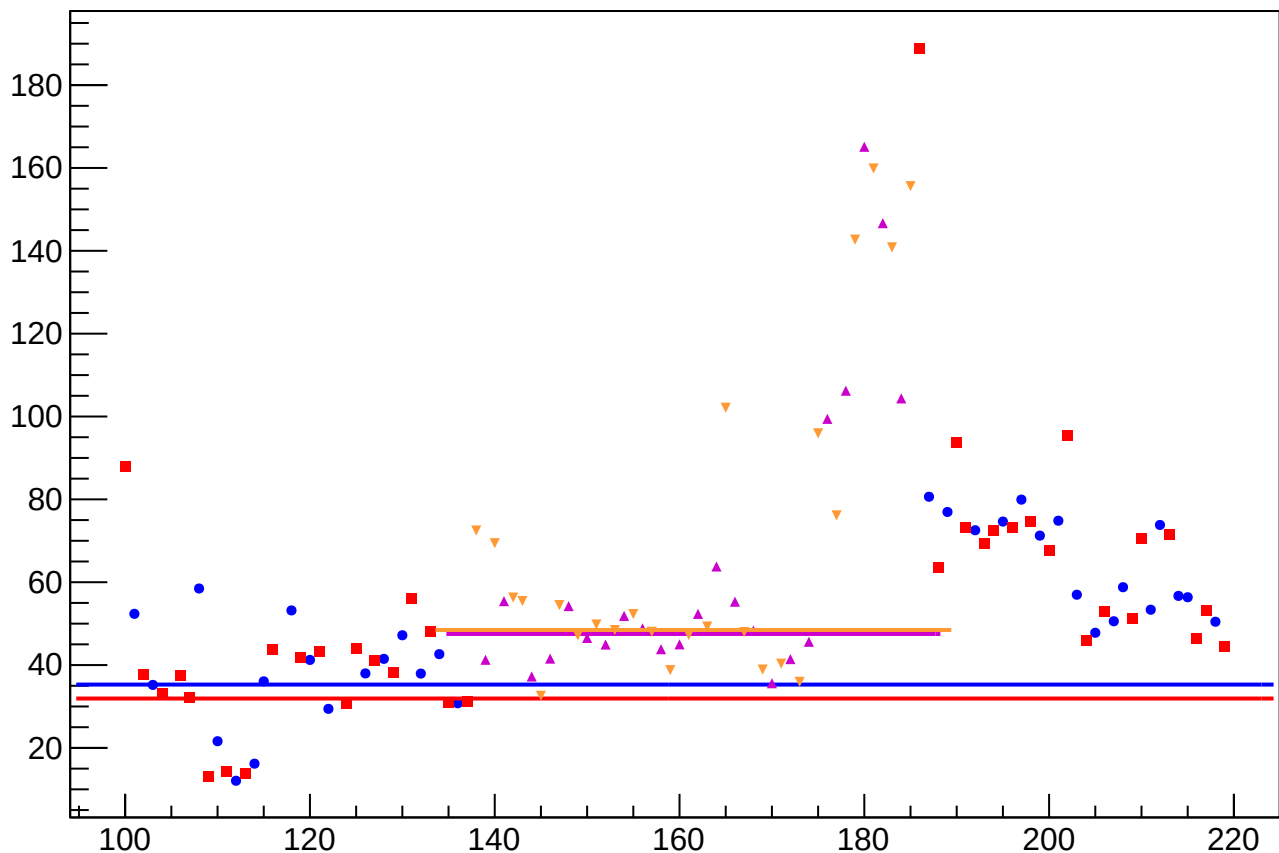
Left In: -0.007 ± 0.012 χ^2/NDF : 23.2/22

+ sign -0.005 ± 0.007 χ^2/NDF : 77.2/56

All: -0.012 ± 0.005 χ^2/NDF : 295.9/116

- sign -0.018 ± 0.007 χ^2/NDF : 217.1/59

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.290 $\pm$ 0.007 χ^2 /NDF: 9243820.9/31

Left Out: 48.471 $\pm$ 0.008 χ^2 /NDF: 4373812.0/24

Right Out: 31.922 $\pm$ 0.006 χ^2 /NDF: 11752188.4/36

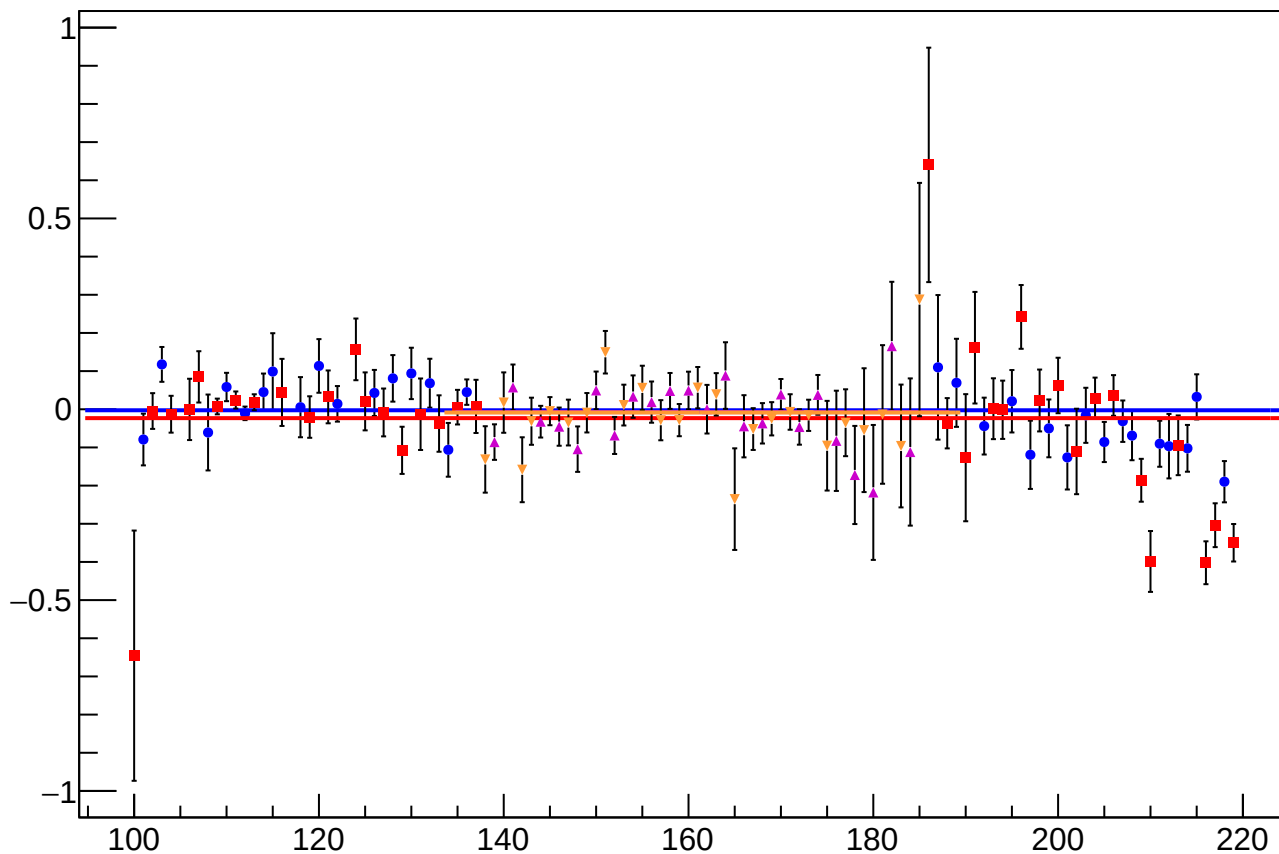
Left In: 47.505 $\pm$ 0.009 χ^2 /NDF: 3075161.5/22

+ sign 40.255 $\pm$ 0.005 χ^2 /NDF: 15120063.8/56

All: 38.563 $\pm$ 0.004 χ^2 /NDF: 32391820.0/116

- sign 37.072 $\pm$ 0.005 χ^2 /NDF: 17073399.5/59

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.009 χ^2/NDF : 53.8/31

Left Out: -0.008 ± 0.012 χ^2/NDF : 23.2/24

Right Out: -0.023 ± 0.008 χ^2/NDF : 192.7/36

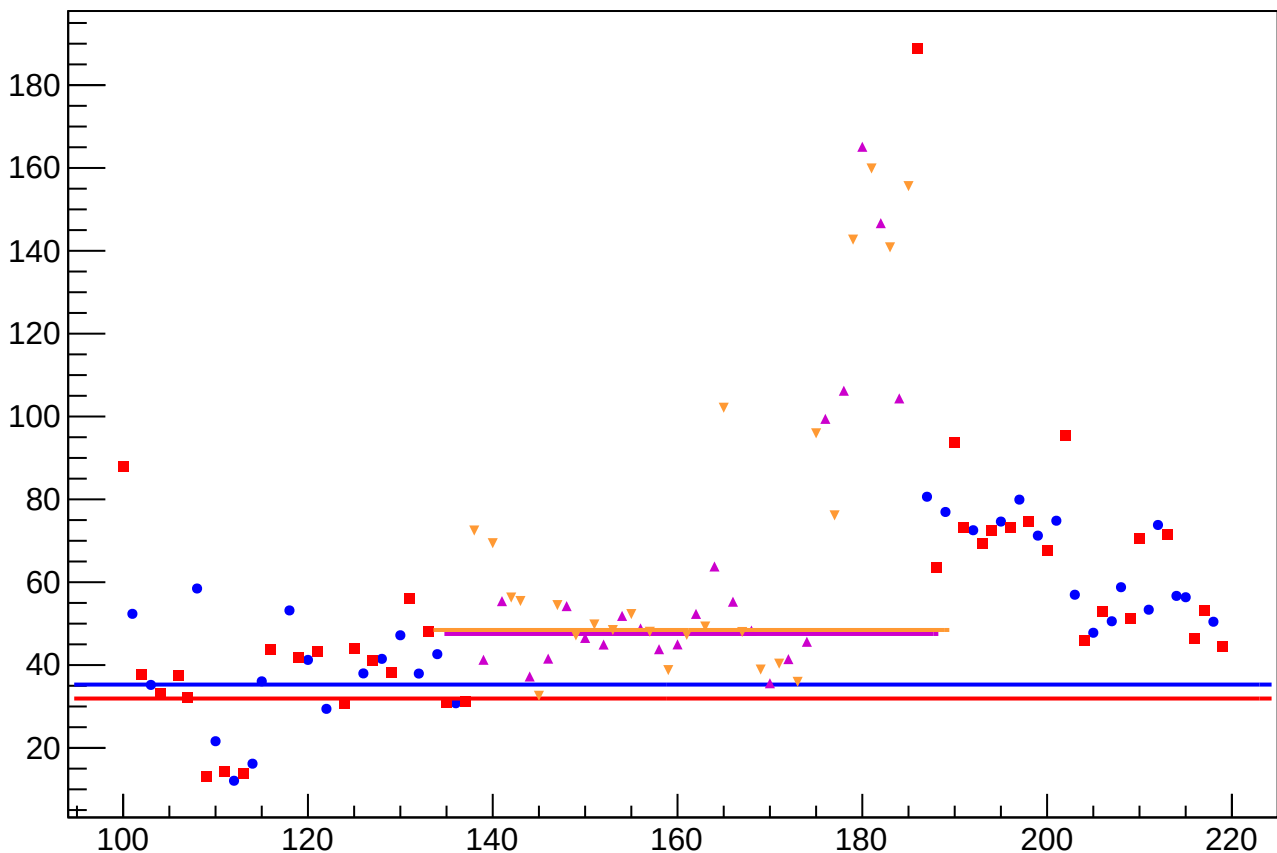
Left In: -0.007 ± 0.012 χ^2/NDF : 23.2/22

+ sign -0.005 ± 0.007 χ^2/NDF : 77.2/56

All: -0.012 ± 0.005 χ^2/NDF : 295.9/116

- sign -0.018 ± 0.007 χ^2/NDF : 217.1/59

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.290 $\pm$ 0.007 χ^2 /NDF: 9243820.9/31

Left Out: 48.471 $\pm$ 0.008 χ^2 /NDF: 4373812.0/24

Right Out: 31.922 $\pm$ 0.006 χ^2 /NDF: 11752188.4/36

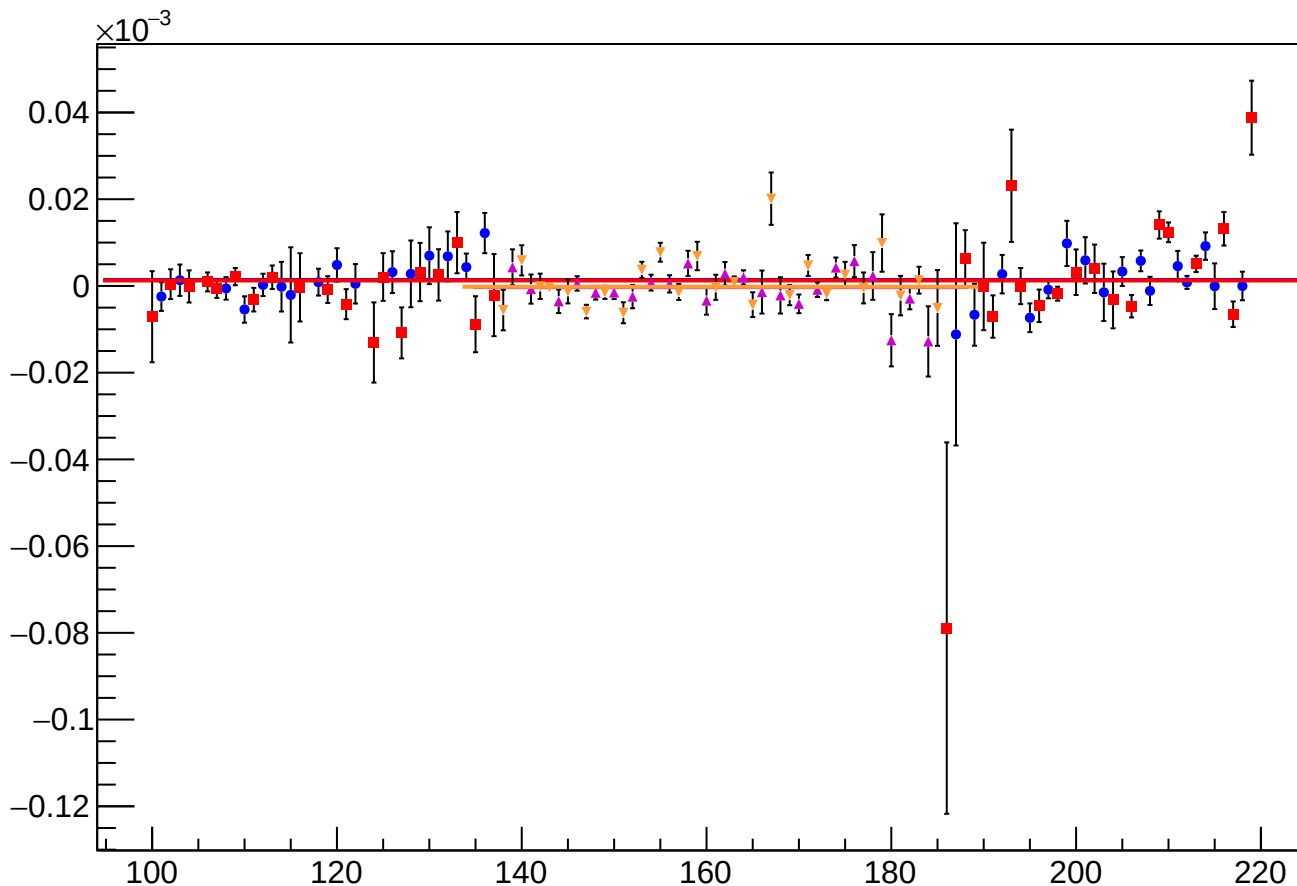
Left In: 47.505 $\pm$ 0.009 χ^2 /NDF: 3075161.5/22

+ sign 40.255 $\pm$ 0.005 χ^2 /NDF: 15120063.8/56

All: 38.563 $\pm$ 0.004 χ^2 /NDF: 32391820.0/116

- sign 37.072 $\pm$ 0.005 χ^2 /NDF: 17073399.5/59

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 41.2/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 71.7/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 120.9/36

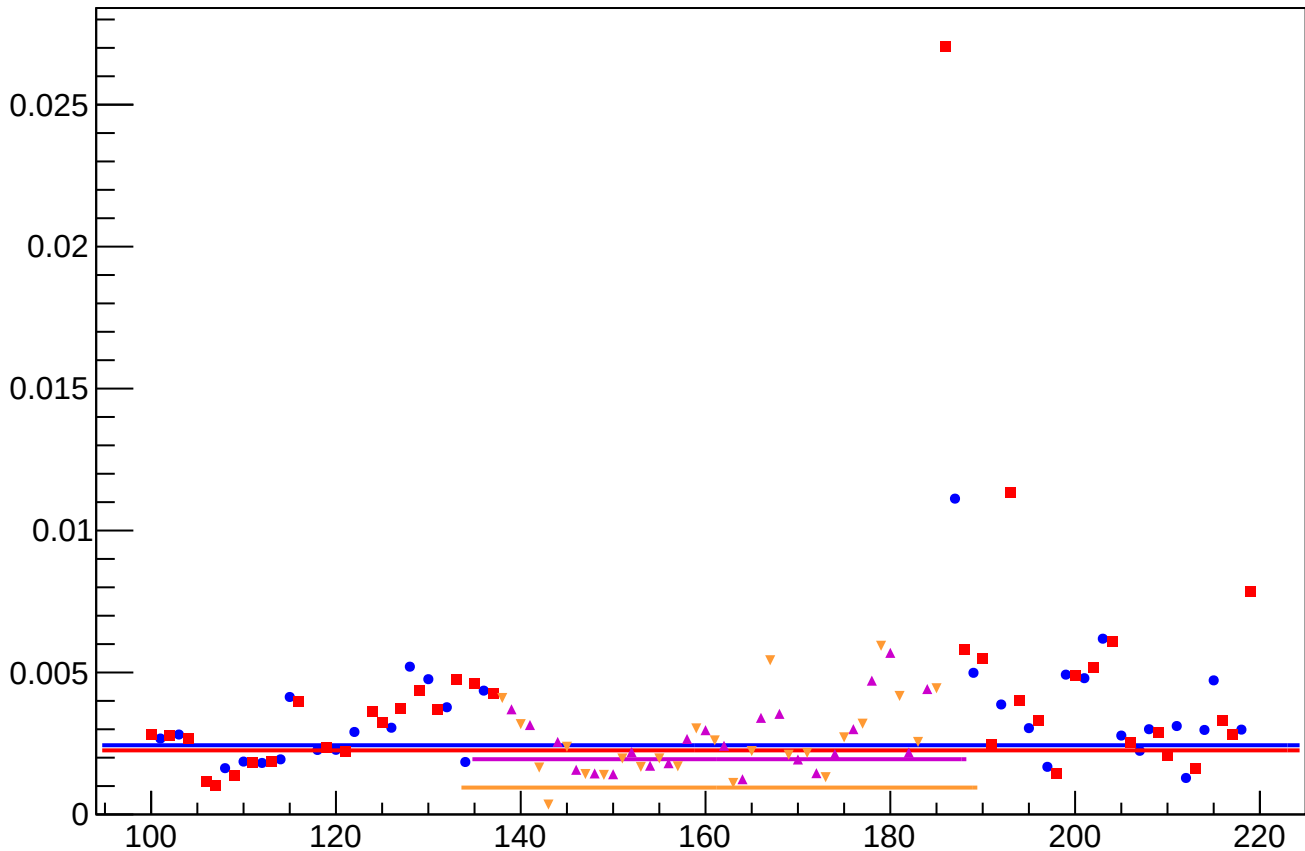
Left In: -0.000 ± 0.000 χ^2/NDF : 30.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 118.2/56

All: 0.000 ± 0.000 χ^2/NDF : 274.6/116

- sign 0.000 ± 0.000 χ^2/NDF : 156.0/59

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 5967174.7/31

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:17608951.7/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 9641937.4/36

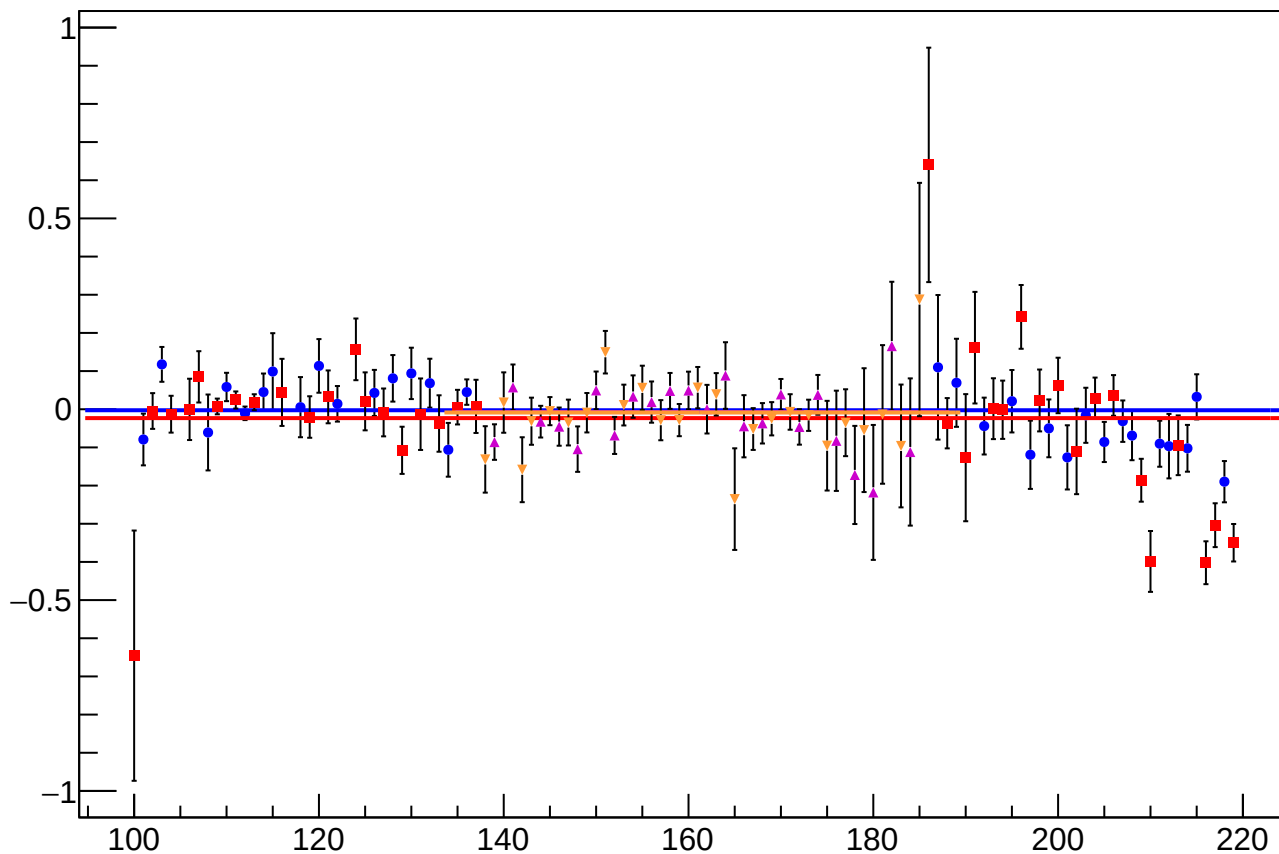
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:4362371.5/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 33284842.5/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 54265975.0/116

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 14345938.1/59

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.009 χ^2/NDF : 53.8/31

Left Out: -0.008 ± 0.012 χ^2/NDF : 23.2/24

Right Out: -0.023 ± 0.008 χ^2/NDF : 192.7/36

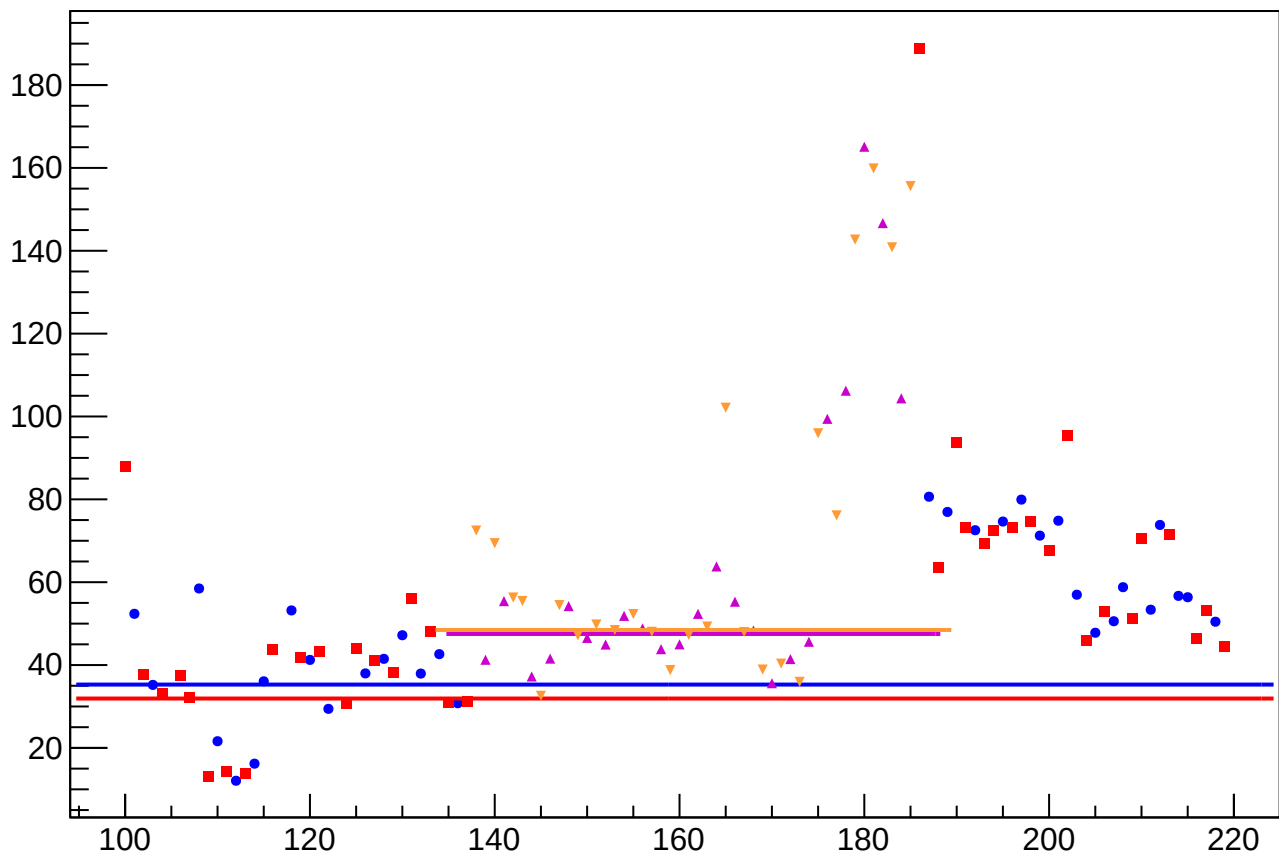
Left In: -0.007 ± 0.012 χ^2/NDF : 23.2/22

+ sign -0.005 ± 0.007 χ^2/NDF : 77.2/56

All: -0.012 ± 0.005 χ^2/NDF : 295.9/116

- sign -0.018 ± 0.007 χ^2/NDF : 217.1/59

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.288 $\pm$ 0.007 χ^2 /NDF: 9244710.6/31

Left Out: 48.471 $\pm$ 0.008 χ^2 /NDF: 4373775.4/24

Right Out: 31.922 $\pm$ 0.006 χ^2 /NDF: 11752494.4/36

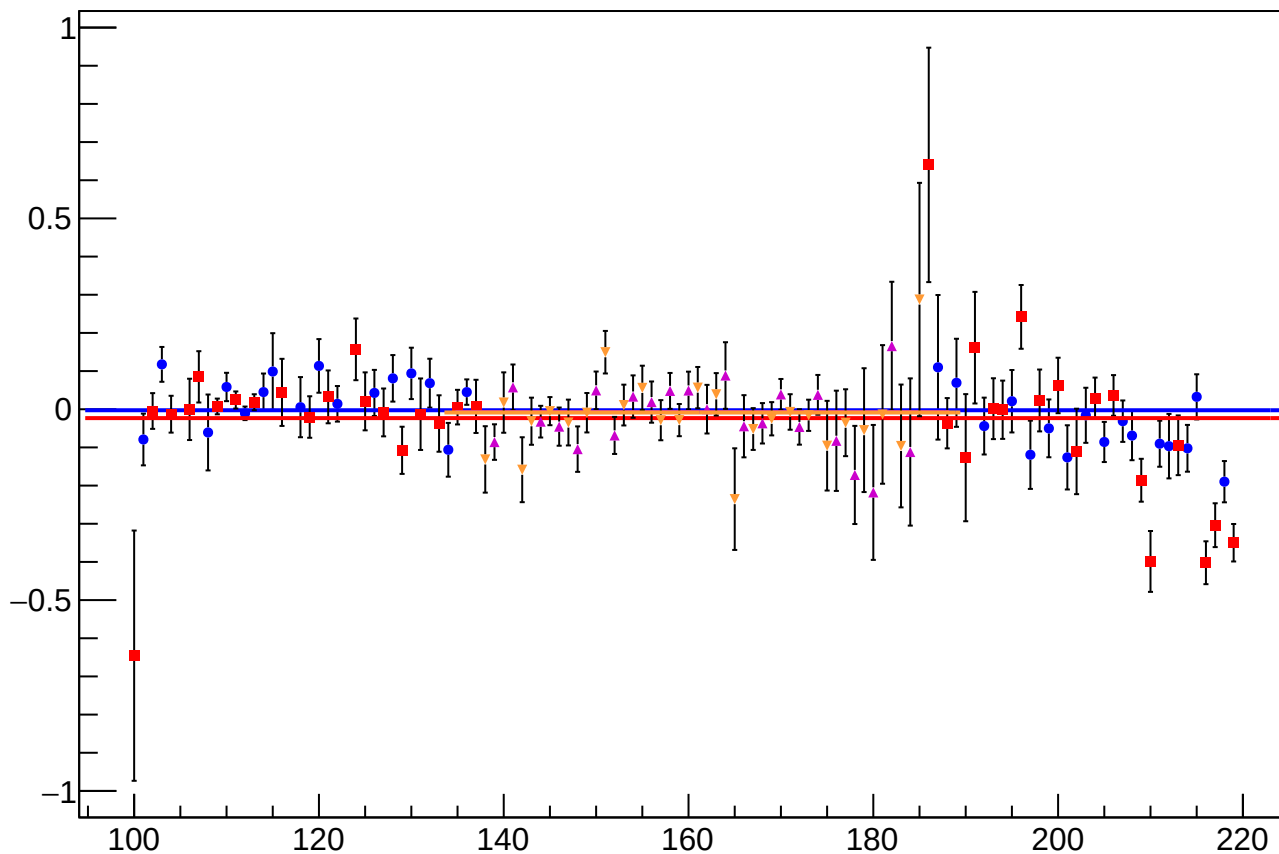
Left In: 47.505 $\pm$ 0.009 χ^2 /NDF: 3075116.0/22

+ sign 40.254 $\pm$ 0.005 χ^2 /NDF: 15121305.7/56

All: 38.562 $\pm$ 0.004 χ^2 /NDF: 32393412.0/116

- sign 37.071 $\pm$ 0.005 χ^2 /NDF: 17073833.1/59

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.009 χ^2/NDF : 53.8/31

Left Out: -0.008 ± 0.012 χ^2/NDF : 23.2/24

Right Out: -0.023 ± 0.008 χ^2/NDF : 192.7/36

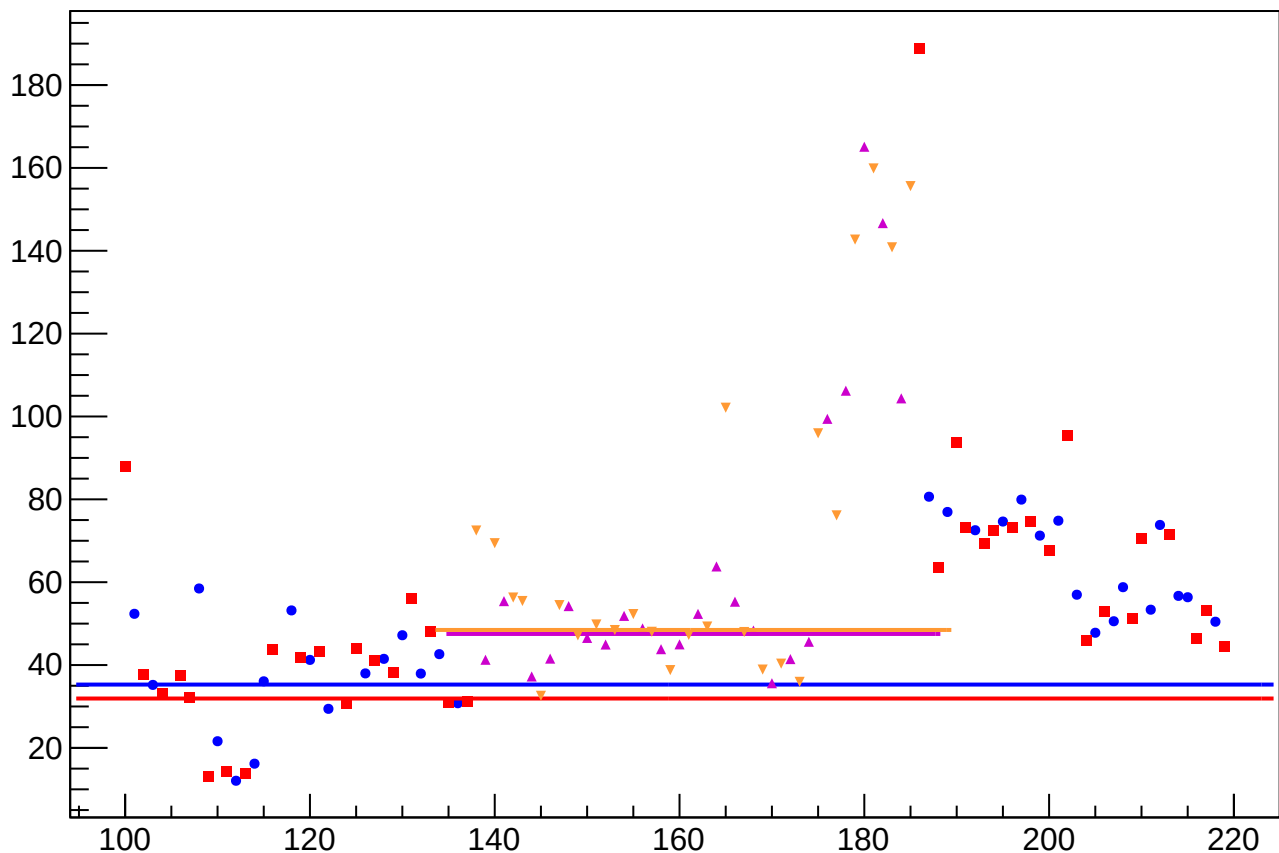
Left In: -0.007 ± 0.012 χ^2/NDF : 23.2/22

+ sign -0.005 ± 0.007 χ^2/NDF : 77.2/56

All: -0.012 ± 0.005 χ^2/NDF : 295.9/116

- sign -0.018 ± 0.007 χ^2/NDF : 217.1/59

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.288 $\pm$ 0.007 χ^2 /NDF: 9244710.6/31

Left Out: 48.471 $\pm$ 0.008 χ^2 /NDF: 4373775.4/24

Right Out: 31.922 $\pm$ 0.006 χ^2 /NDF: 11752494.4/36

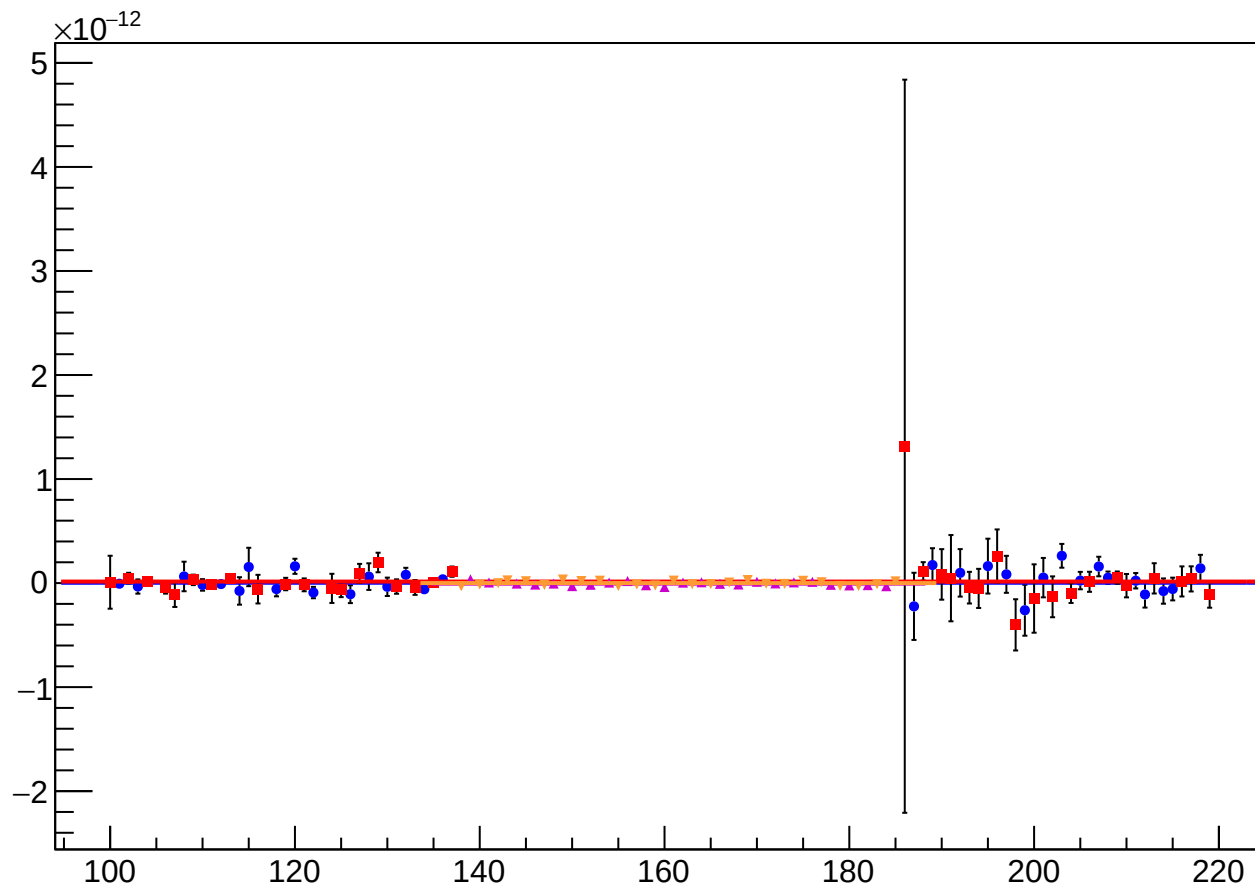
Left In: 47.505 $\pm$ 0.009 χ^2 /NDF: 3075116.0/22

+ sign 40.254 $\pm$ 0.005 χ^2 /NDF: 15121305.7/56

All: 38.562 $\pm$ 0.004 χ^2 /NDF: 32393412.0/116

- sign 37.071 $\pm$ 0.005 χ^2 /NDF: 17073833.1/59

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 34.3/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 31.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 24.2/36

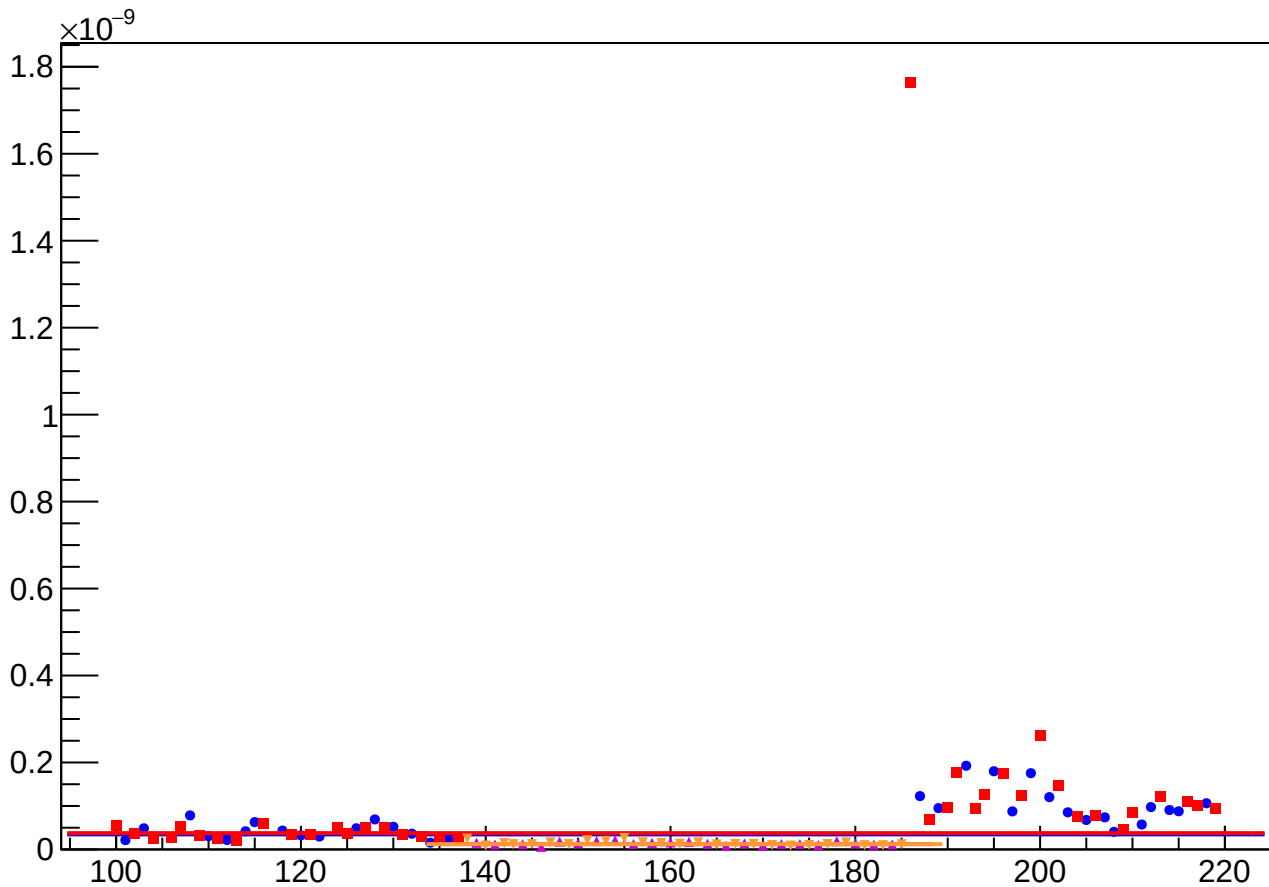
Left In: -0.000 ± 0.000 χ^2/NDF : 19.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 65.7/56

All: -0.000 ± 0.000 χ^2/NDF : 112.3/116

- sign -0.000 ± 0.000 χ^2/NDF : 45.9/59

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9011182.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9100477.8/36

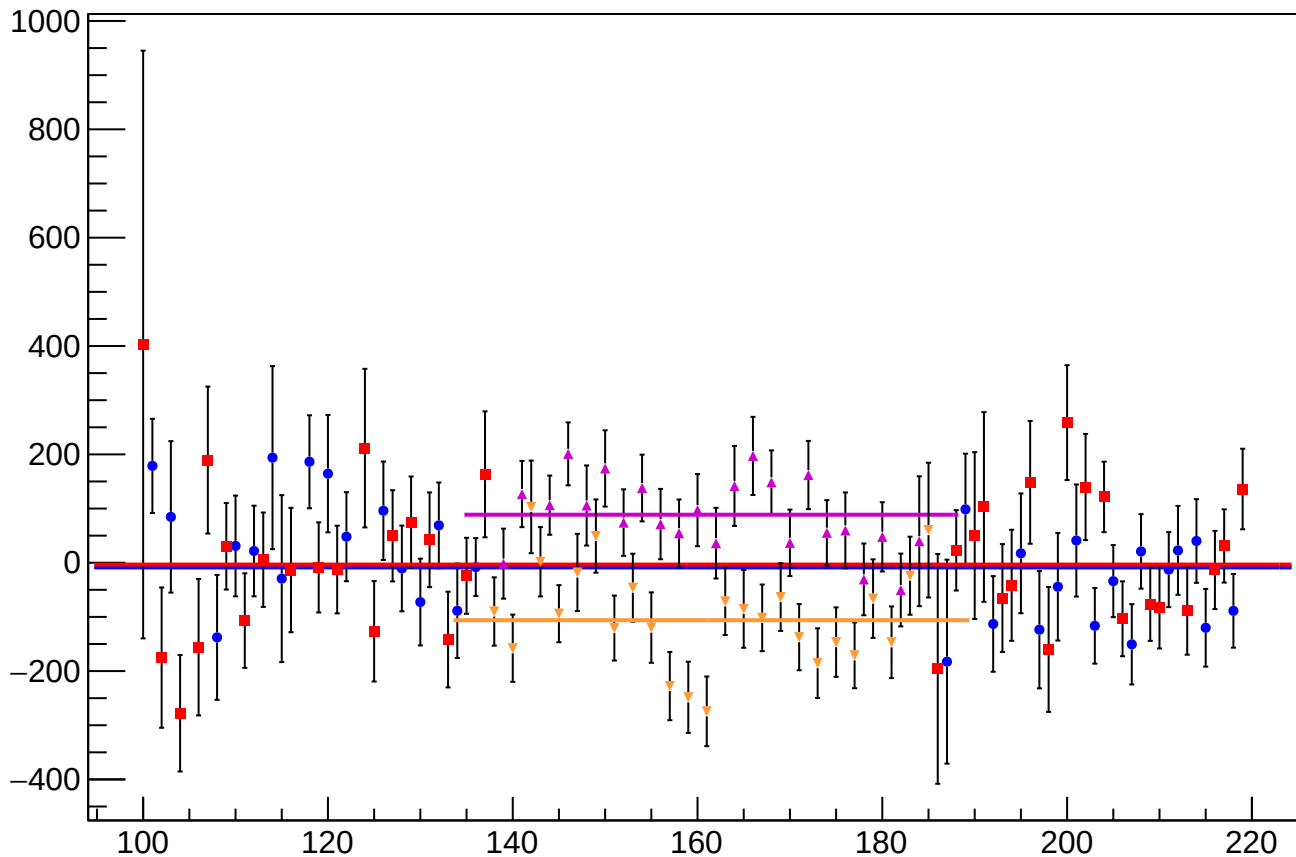
Left In: 0.000+/-0.000 χ^2/NDF : 1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 17730978.8/56

All: 0.000+/-0.000 χ^2/NDF : 36725662.7/116

- sign 0.000+/-0.000 χ^2/NDF : 18993044.7/59

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -8.650 +/- 15.052 χ^2/NDF : 35.7/31

Left Out: -106.100 +/- 13.089 χ^2/NDF : 40.7/24

Right Out: -3.392 +/- 15.000 χ^2/NDF : 50.8/36

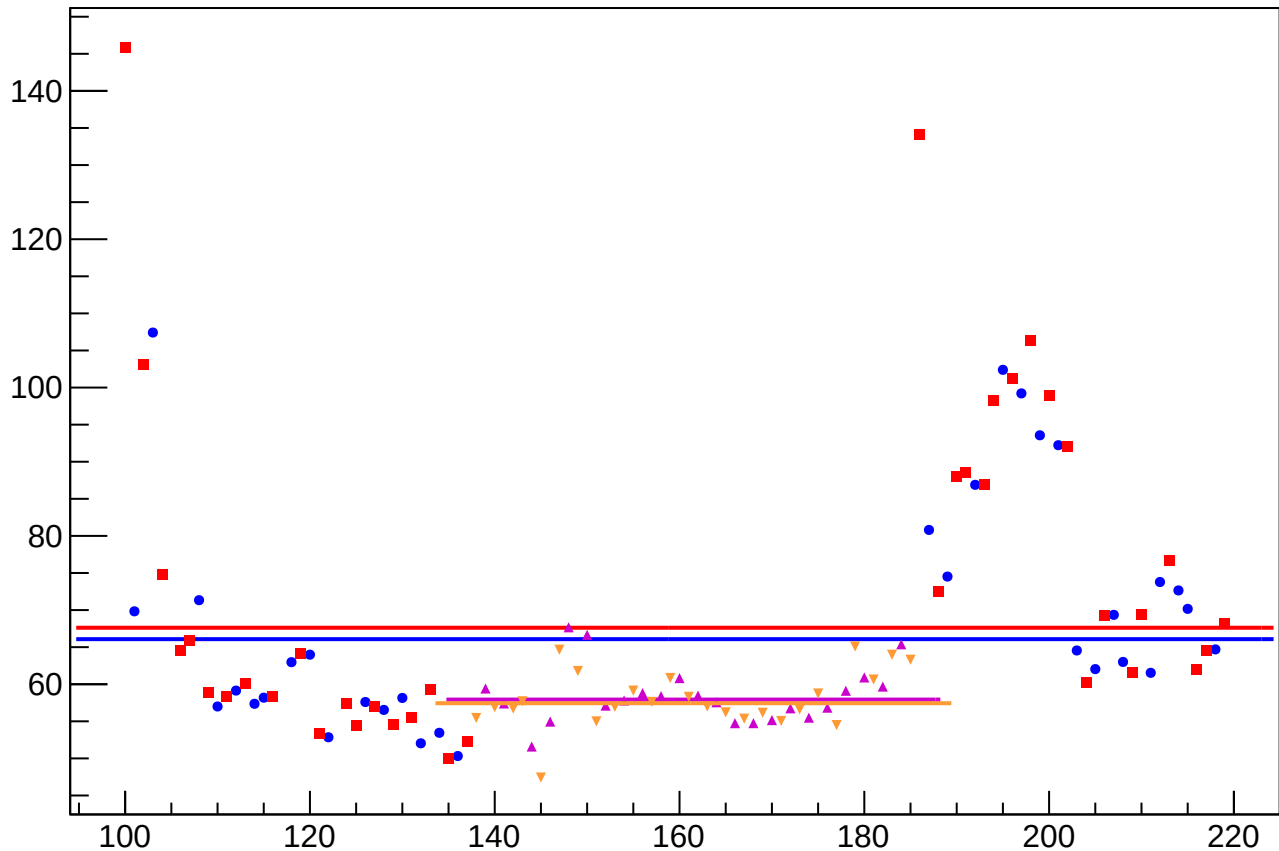
Left In: 88.619 +/- 13.566 χ^2/NDF : 23.9/22

+ sign -64.141 +/- 9.877 χ^2/NDF : 100.2/56

All: -9.491 +/- 7.048 χ^2/NDF : 258.0/116

- sign 47.221 +/- 10.062 χ^2/NDF : 95.4/59

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 66.080 ± 0.011 $\chi^2/\text{NDF}: 1511035.6/31$

Left Out: 57.440 ± 0.009 $\chi^2/\text{NDF}: 174555.9/24$

Right Out: 67.619 ± 0.011 $\chi^2/\text{NDF}: 1998500.8/36$

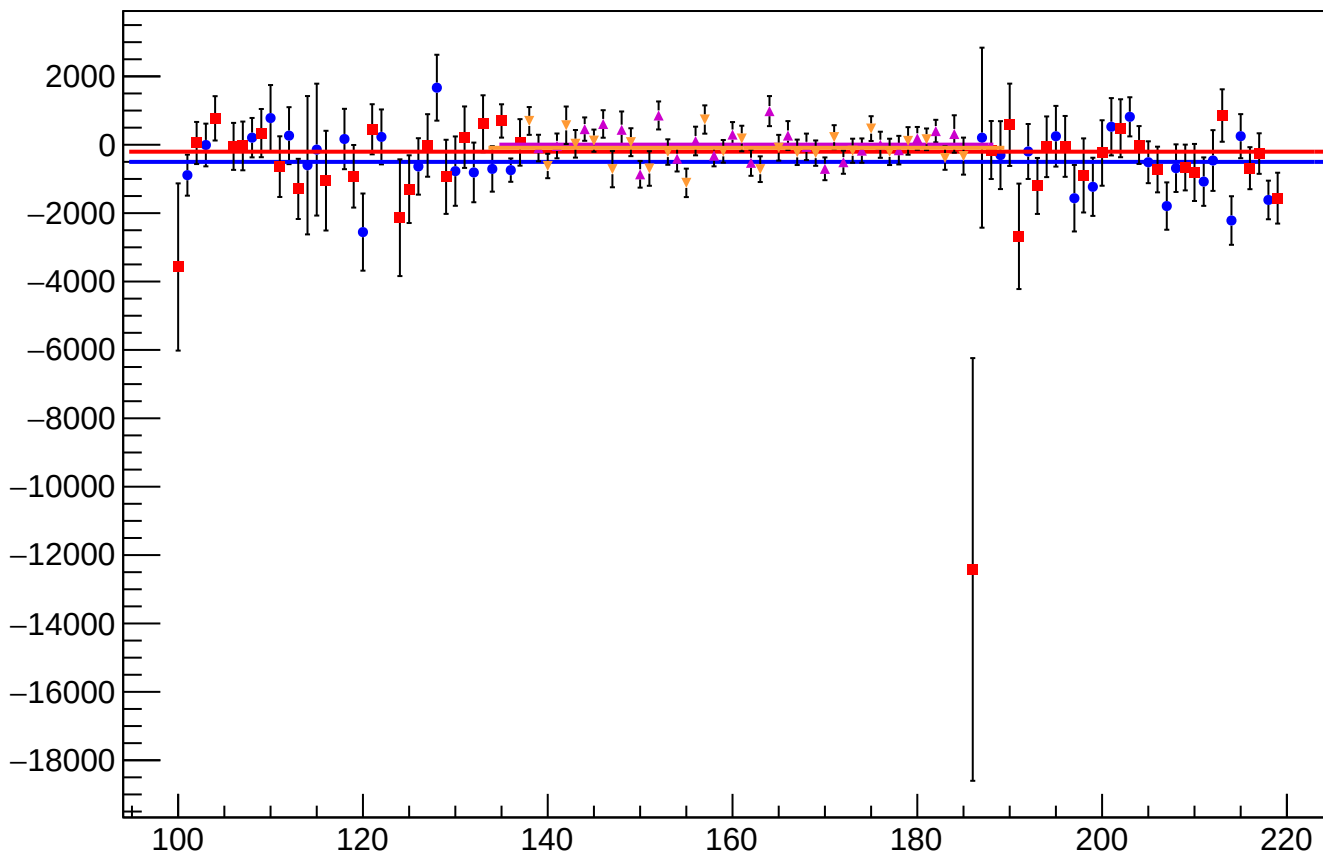
Left In: 57.933 ± 0.010 $\chi^2/\text{NDF}: 135903.0/22$

+ sign 61.160 ± 0.007 $\chi^2/\text{NDF}: 2060763.2/56$

All: 61.715 ± 0.005 $\chi^2/\text{NDF}: 4666738.8/116$

- sign 62.291 ± 0.007 $\chi^2/\text{NDF}: 2593117.5/59$

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -501.062 ± 130.023 χ^2/NDF : 40.8/31

Left Out: -89.059 ± 77.011 χ^2/NDF : 29.9/24

Right Out: -202.962 ± 131.429 χ^2/NDF : 33.5/36

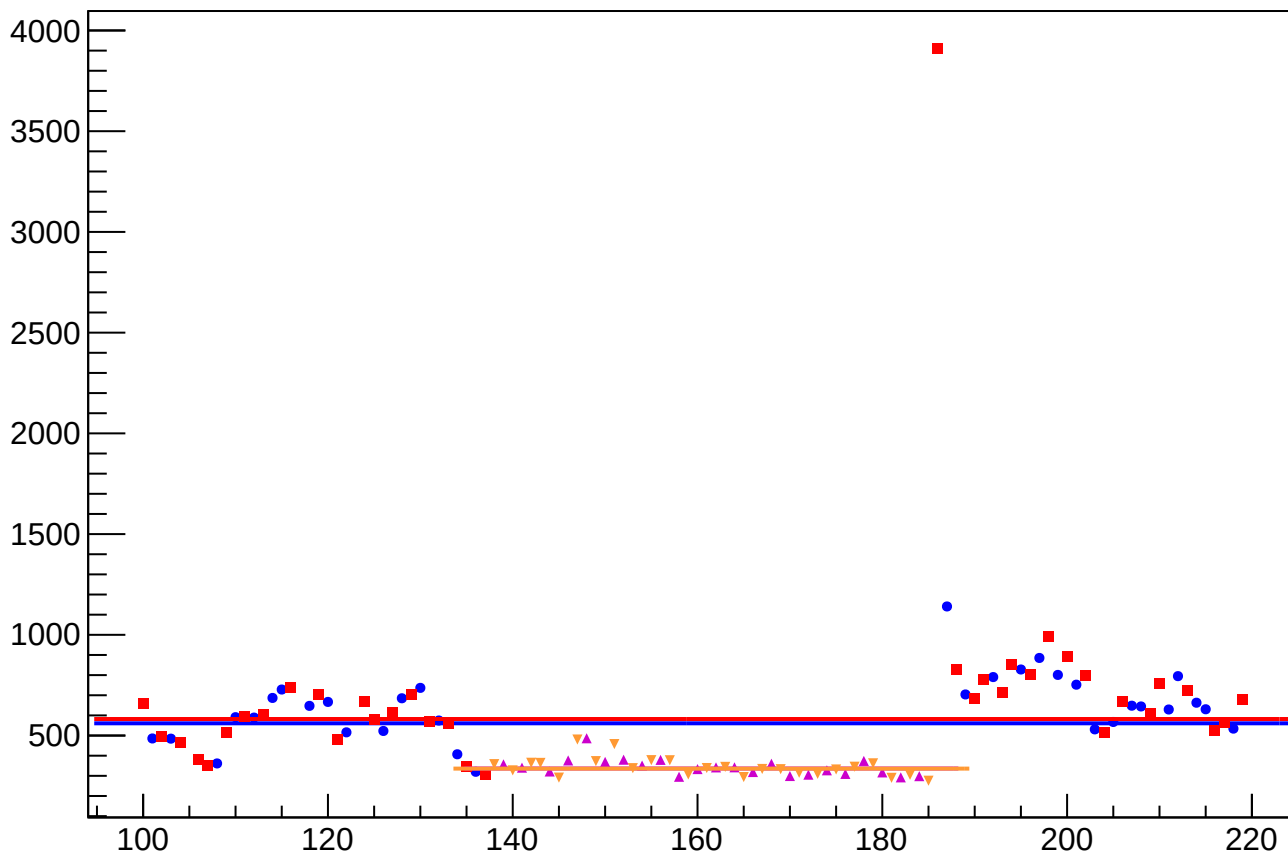
Left In: 3.046 ± 79.193 χ^2/NDF : 33.6/22

+ sign -196.056 ± 66.261 χ^2/NDF : 78.1/56

All: -125.630 ± 47.399 χ^2/NDF : 149.3/116

- sign -51.827 ± 67.831 χ^2/NDF : 68.8/59

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 560.768 $\pm$ 0.092 χ^2 /NDF: 2831575.5/31

Left Out: 335.894 $\pm$ 0.054 χ^2 /NDF: 533835.0/24

Right Out: 582.069 $\pm$ 0.093 χ^2 /NDF: 3491071.4/36

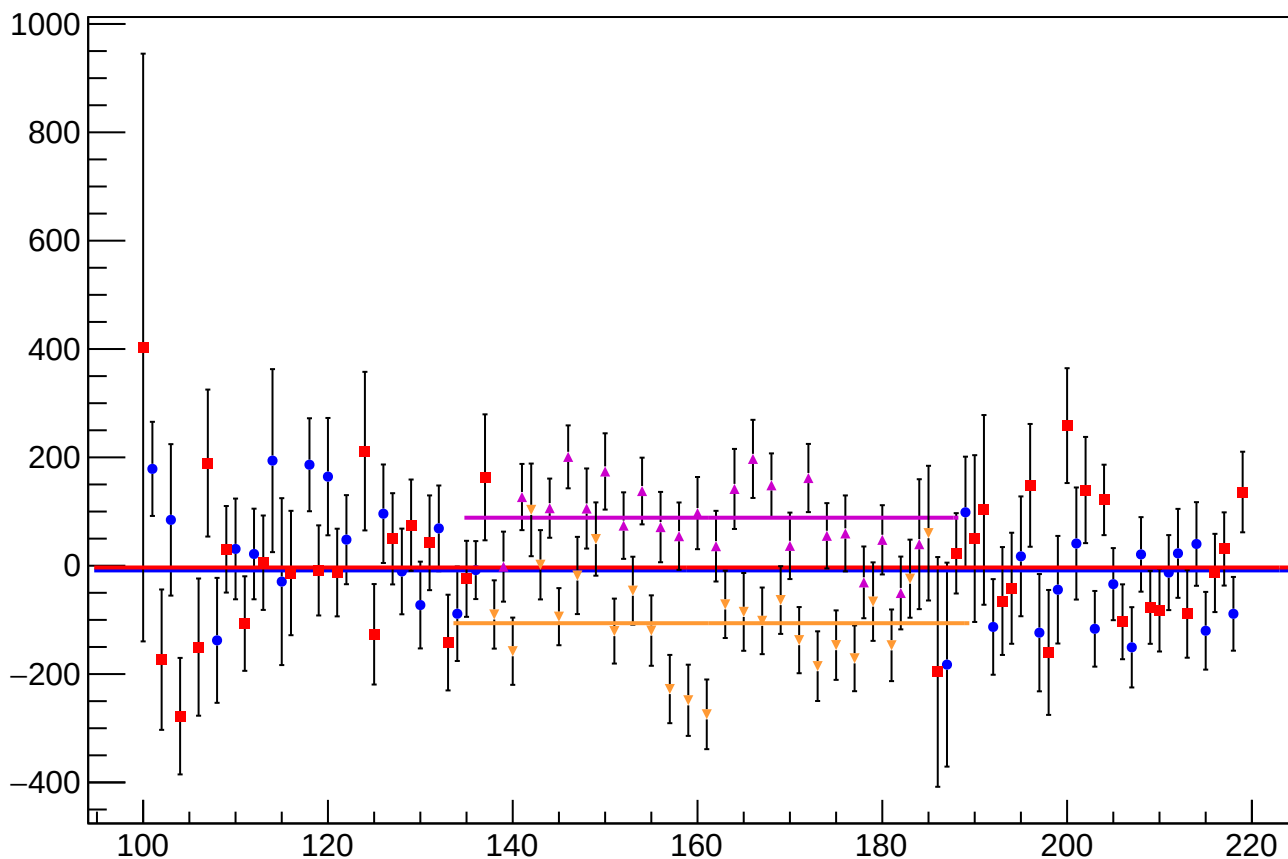
Left In: 336.343 $\pm$ 0.056 χ^2 /NDF: 414202.1/22

+ sign 394.294 $\pm$ 0.047 χ^2 /NDF: 7794100.1/56

All: 397.957 $\pm$ 0.034 χ^2 /NDF: 16840844.8/1

- sign 401.795 $\pm$ 0.048 χ^2 /NDF: 9034229.7/59

cor_asym_sam_13_57_dd_mean vs Slug



Right In: -8.654 ± 15.052 χ^2/NDF : 35.7/31

Left Out: -106.099 ± 13.089 χ^2/NDF : 40.7/24

Right Out: -3.264 ± 15.002 χ^2/NDF : 50.6/36

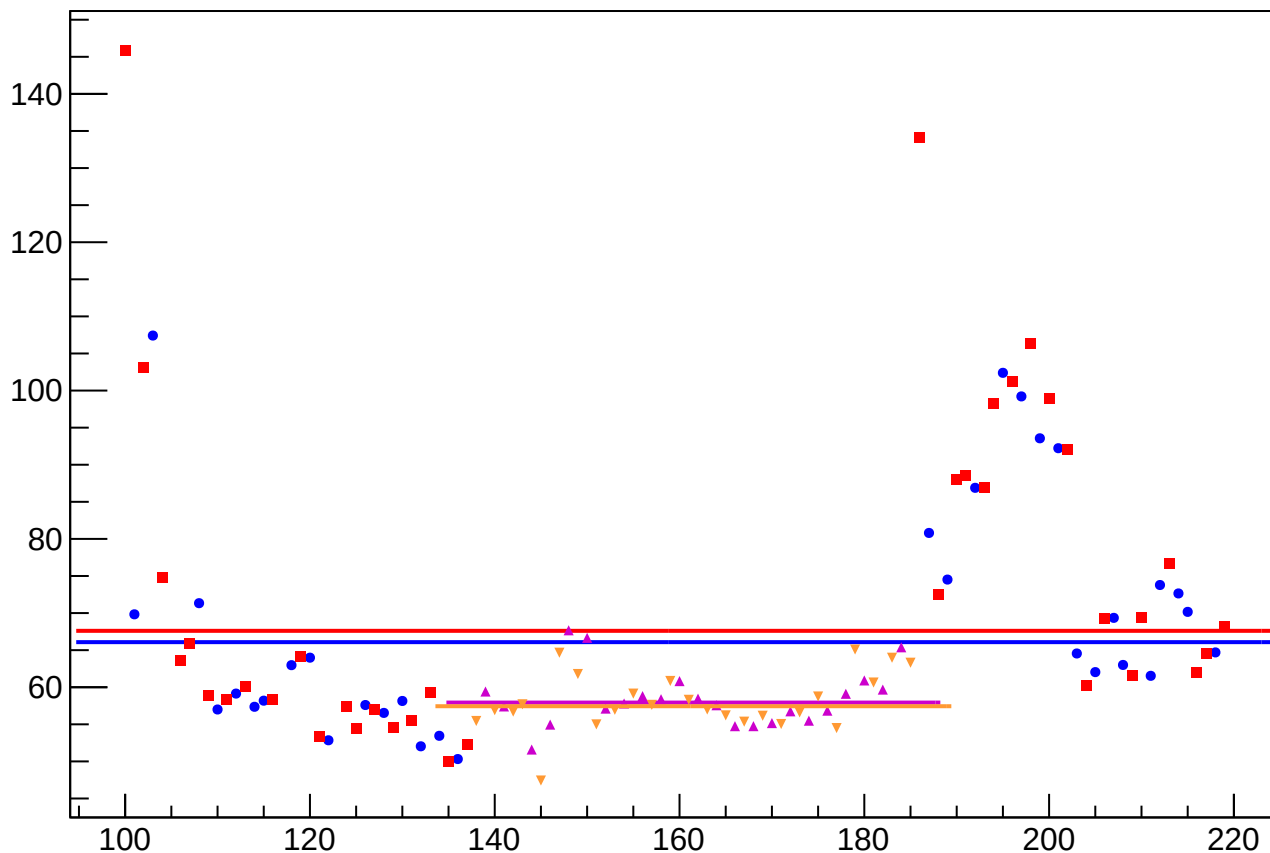
Left In: 88.621 ± 13.566 χ^2/NDF : 23.9/22

+ sign -64.142 ± 9.877 χ^2/NDF : 100.2/56

All: -9.463 ± 7.049 χ^2/NDF : 257.8/116

- sign 47.284 ± 10.062 χ^2/NDF : 95.2/59

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 66.080 ± 0.011 $\chi^2/\text{NDF}: 1511037.6/31$

Left Out: 57.440 ± 0.009 $\chi^2/\text{NDF}: 174555.9/24$

Right Out: 67.605 ± 0.011 $\chi^2/\text{NDF}: 1999566.1/36$

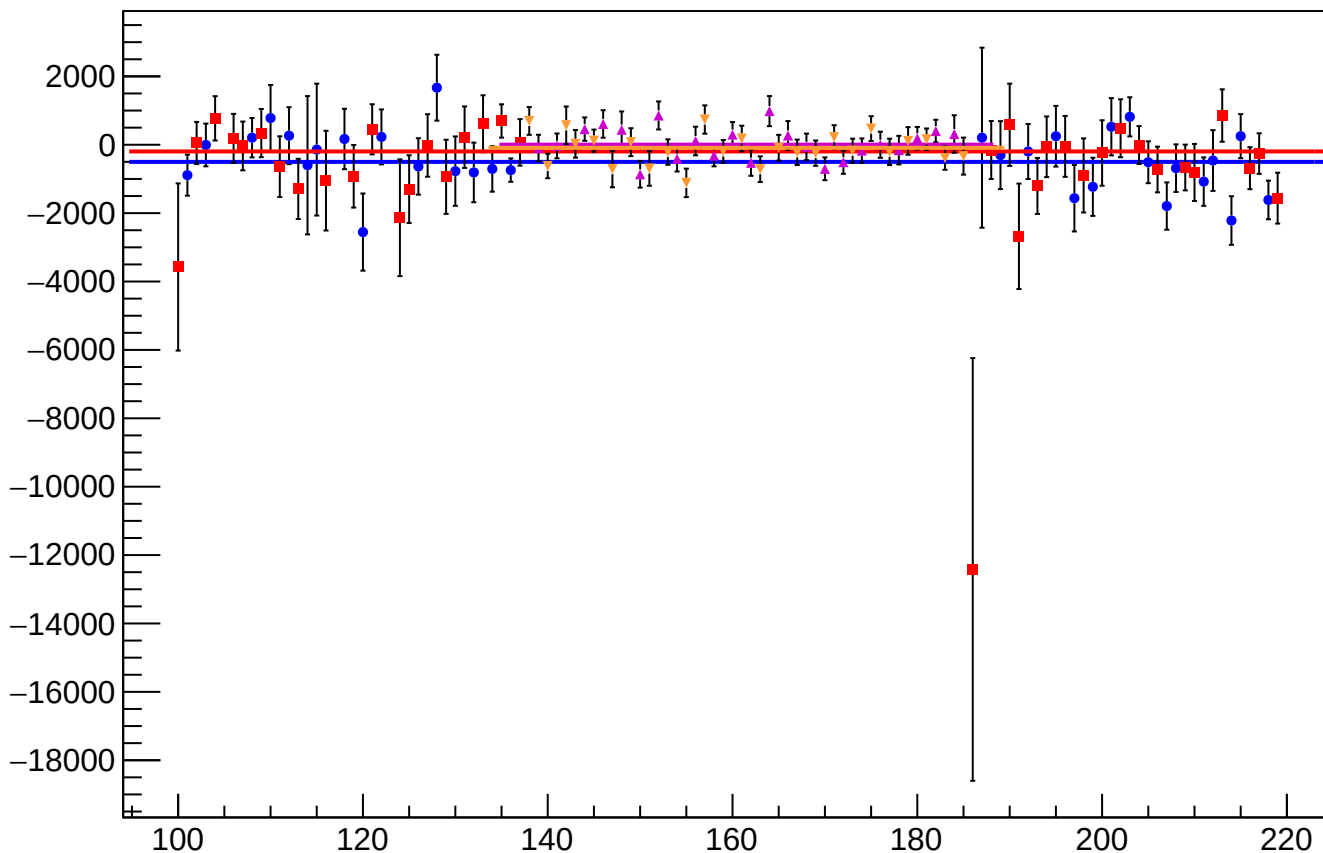
Left In: 57.933 ± 0.010 $\chi^2/\text{NDF}: 135903.0/22$

+ sign 61.160 ± 0.007 $\chi^2/\text{NDF}: 2060765.2/56$

All: 61.712 ± 0.005 $\chi^2/\text{NDF}: 4666367.8/116$

- sign 62.284 ± 0.007 $\chi^2/\text{NDF}: 2592889.0/59$

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -501.048 ± 130.023 χ^2/NDF : 40.8/31

Left Out: -89.061 ± 77.011 χ^2/NDF : 29.9/24

Right Out: -195.639 ± 131.638 χ^2/NDF : 33.7/36

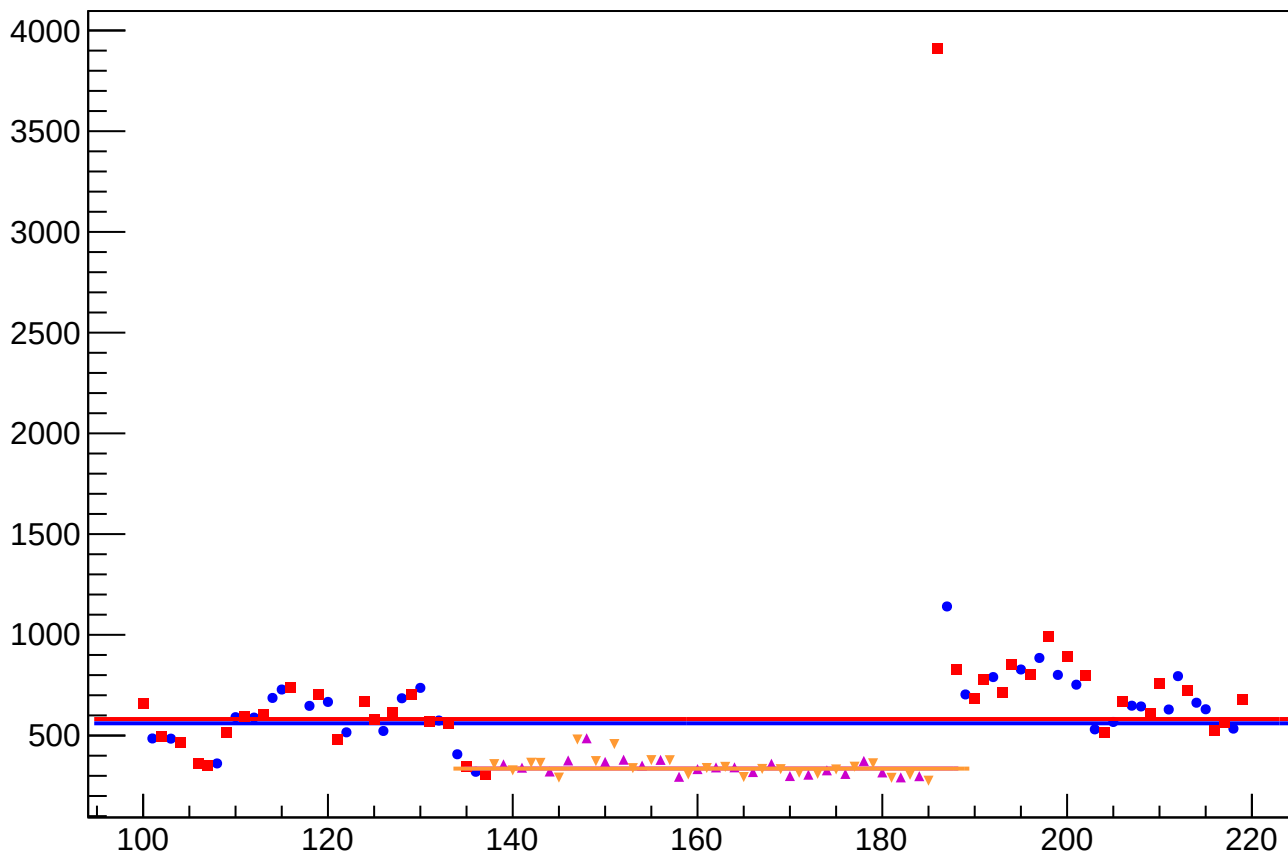
Left In: 3.047 ± 79.193 χ^2/NDF : 33.6/22

+ sign -196.054 ± 66.261 χ^2/NDF : 78.1/56

All: -124.647 ± 47.409 χ^2/NDF : 149.5/116

- sign -49.752 ± 67.860 χ^2/NDF : 68.9/59

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 560.770 $\pm$ 0.092 χ^2 /NDF: 2831541.9/31

Left Out: 335.894 $\pm$ 0.054 χ^2 /NDF: 533835.9/24

Right Out: 582.014 $\pm$ 0.093 χ^2 /NDF: 3510490.1/36

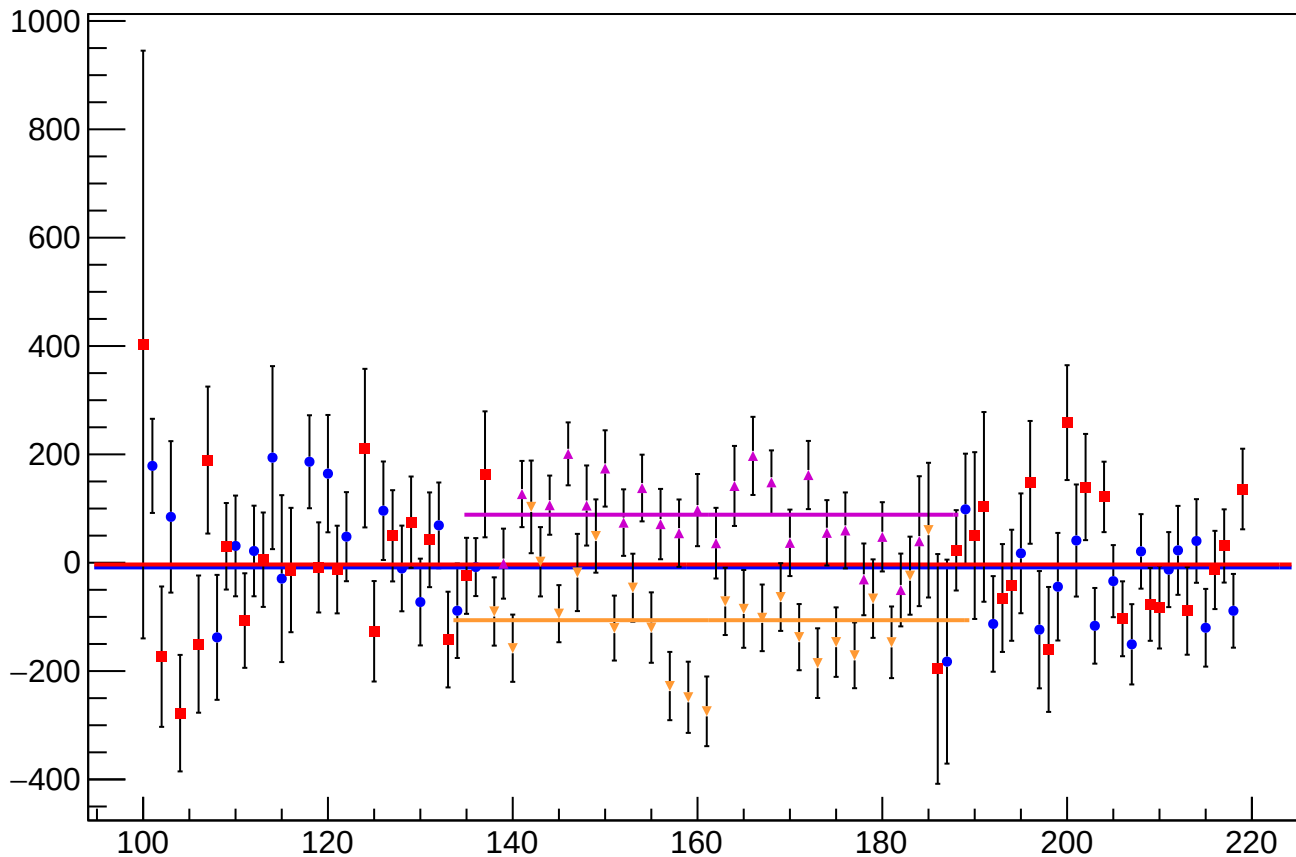
Left In: 336.343 $\pm$ 0.056 χ^2 /NDF: 414205.9/22

+ sign 394.294 $\pm$ 0.047 χ^2 /NDF: 7794120.9/56

All: 397.874 $\pm$ 0.034 χ^2 /NDF: 16845505.2/11

- sign 401.628 $\pm$ 0.048 χ^2 /NDF: 9039426.2/59

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: -8.654 ± 15.052 χ^2/NDF : 35.7/31

Left Out: -106.099 ± 13.089 χ^2/NDF : 40.7/24

Right Out: -3.264 ± 15.002 χ^2/NDF : 50.6/36

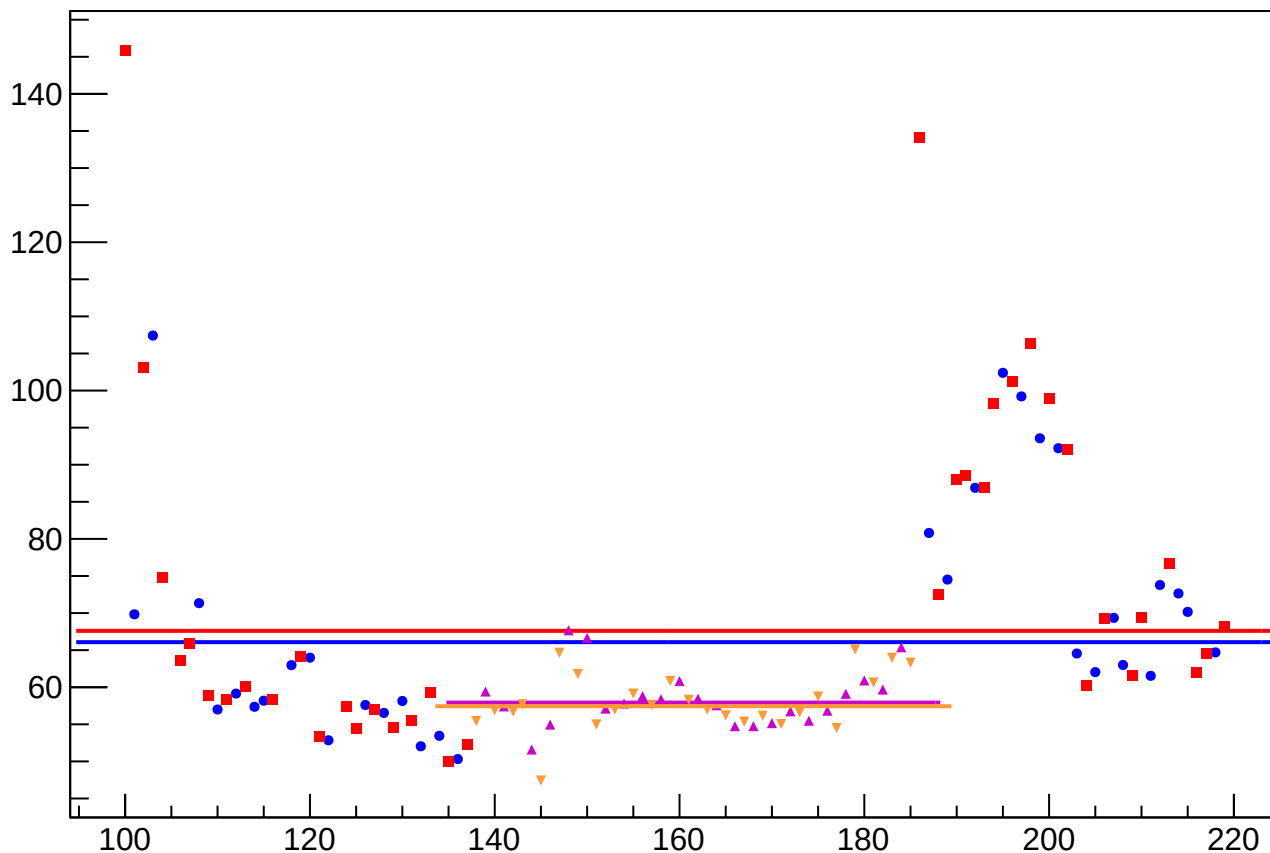
Left In: 88.621 ± 13.566 χ^2/NDF : 23.9/22

+ sign -64.142 ± 9.877 χ^2/NDF : 100.2/56

All: -9.463 ± 7.049 χ^2/NDF : 257.8/116

- sign 47.284 ± 10.062 χ^2/NDF : 95.2/59

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 66.080 ± 0.011 $\chi^2/\text{NDF}: 1511037.6/31$

Left Out: 57.440 ± 0.009 $\chi^2/\text{NDF}: 174555.9/24$

Right Out: 67.605 ± 0.011 $\chi^2/\text{NDF}: 1999566.1/36$

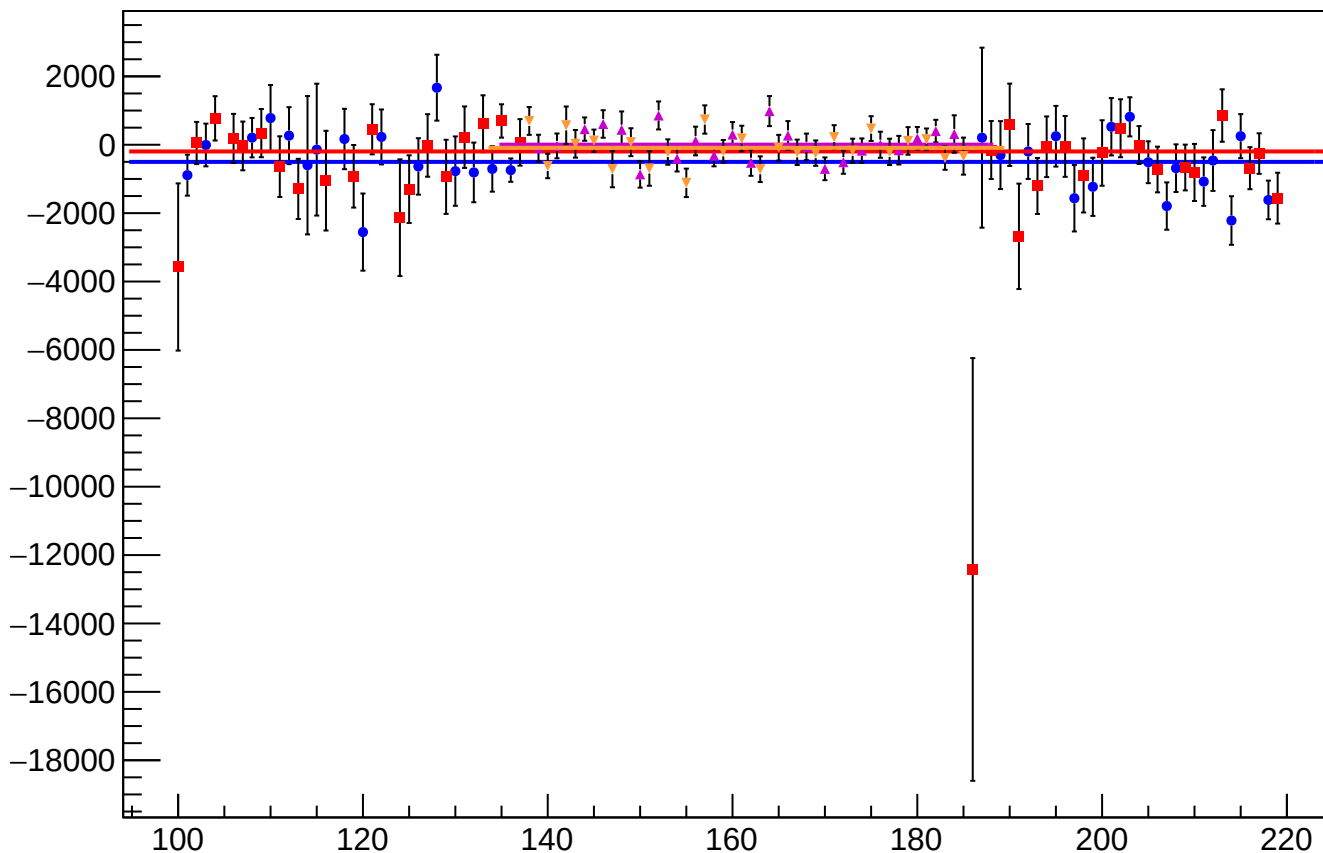
Left In: 57.933 ± 0.010 $\chi^2/\text{NDF}: 135903.0/22$

+ sign 61.160 ± 0.007 $\chi^2/\text{NDF}: 2060765.2/56$

All: 61.712 ± 0.005 $\chi^2/\text{NDF}: 4666367.8/116$

- sign 62.284 ± 0.007 $\chi^2/\text{NDF}: 2592889.0/59$

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug



Right In: -501.048 ± 130.023 χ^2/NDF : 40.8/31

Left Out: -89.061 ± 77.011 χ^2/NDF : 29.9/24

Right Out: -195.639 ± 131.638 χ^2/NDF : 33.7/36

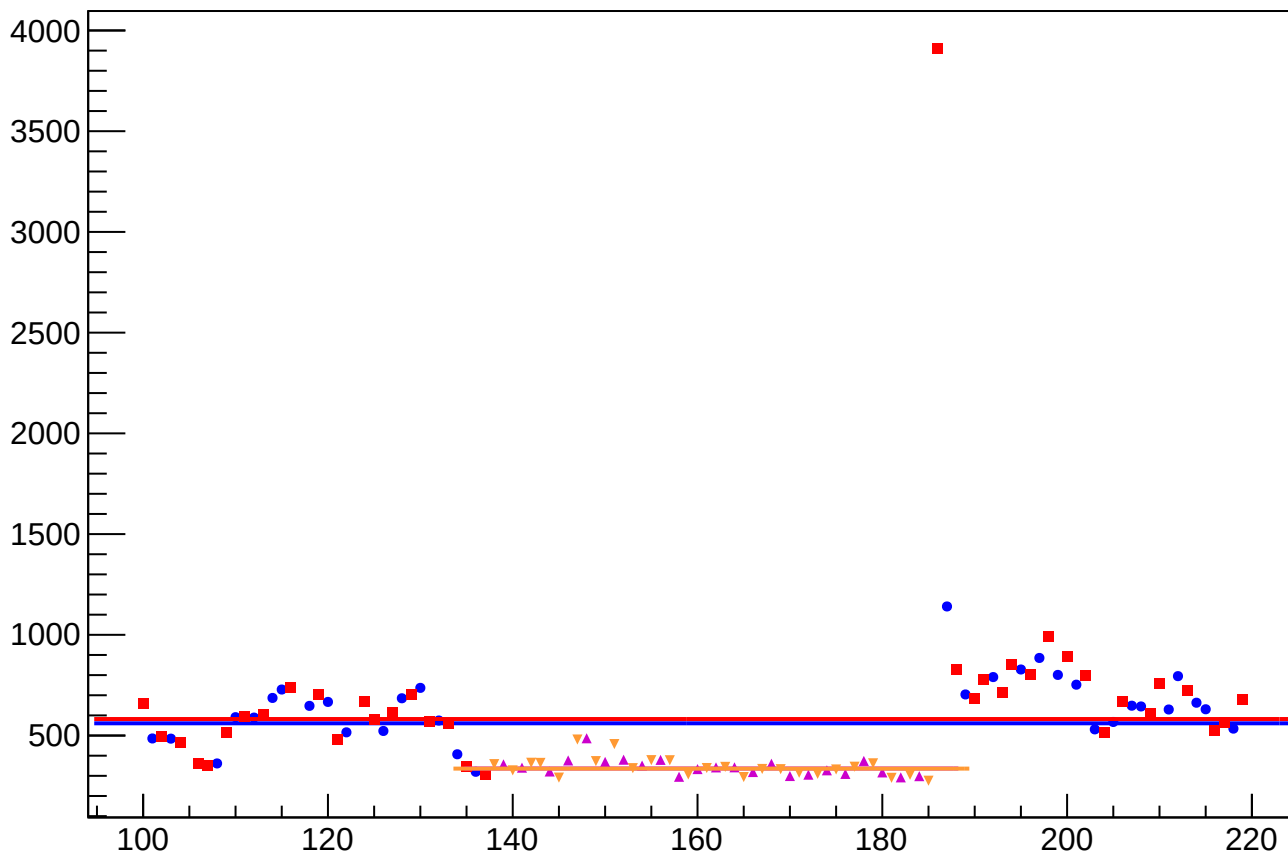
Left In: 3.047 ± 79.193 χ^2/NDF : 33.6/22

+ sign -196.054 ± 66.261 χ^2/NDF : 78.1/56

All: -124.647 ± 47.409 χ^2/NDF : 149.5/116

- sign -49.752 ± 67.860 χ^2/NDF : 68.9/59

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 560.770 $\pm$ 0.092 χ^2/NDF : 2831541.9/31

Left Out: 335.894 $\pm$ 0.054 χ^2/NDF : 533835.9/24

Right Out: 582.014 $\pm$ 0.093 χ^2/NDF : 3510490.1/36

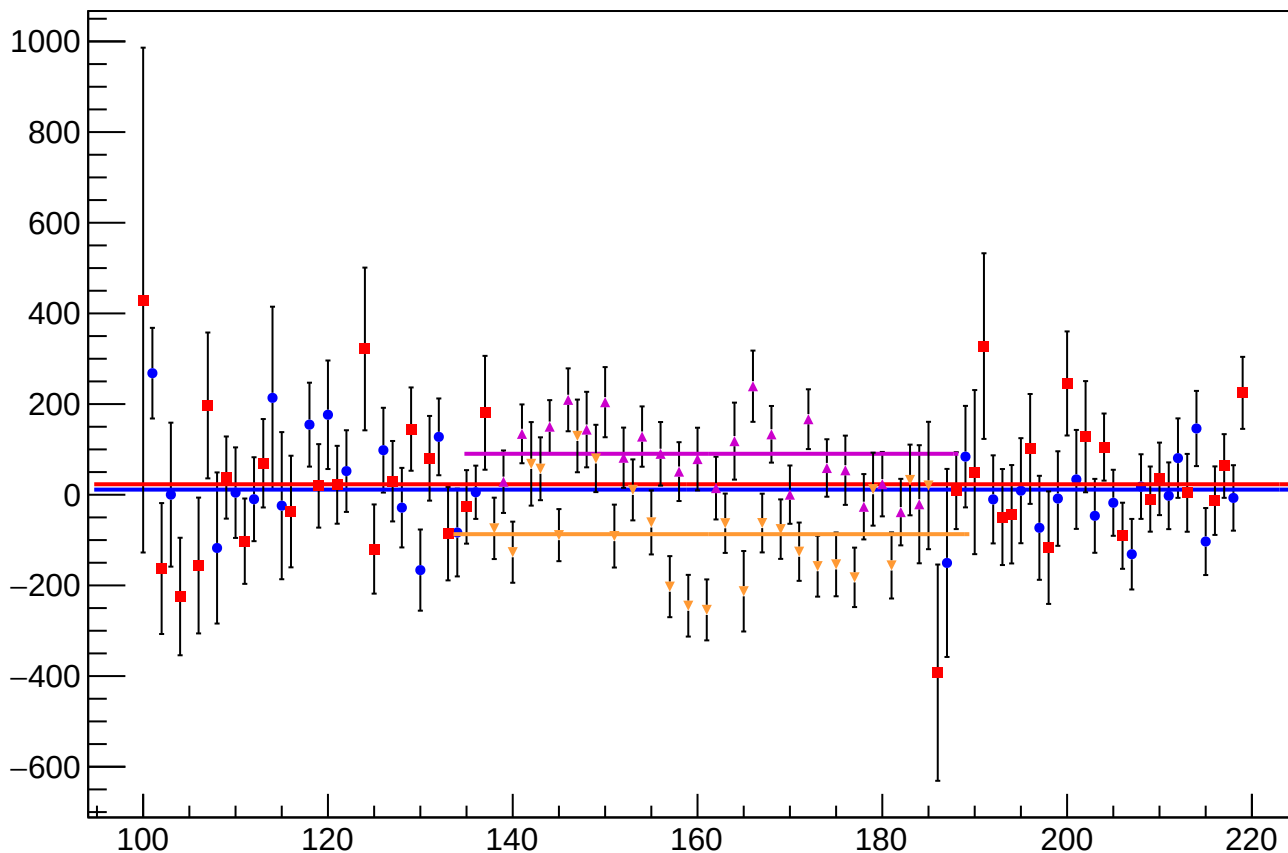
Left In: 336.343 $\pm$ 0.056 χ^2/NDF : 414205.9/22

+ sign 394.294 $\pm$ 0.047 χ^2/NDF : 7794120.9/56

All: 397.874 $\pm$ 0.034 χ^2/NDF : 16845505.2/11

- sign 401.628 $\pm$ 0.048 χ^2/NDF : 9039426.2/59

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 11.314 ± 16.350 χ^2/NDF : 32.2/31

Left Out: -86.957 ± 14.175 χ^2/NDF : 48.8/24

Right Out: 23.135 ± 16.418 χ^2/NDF : 44.0/36

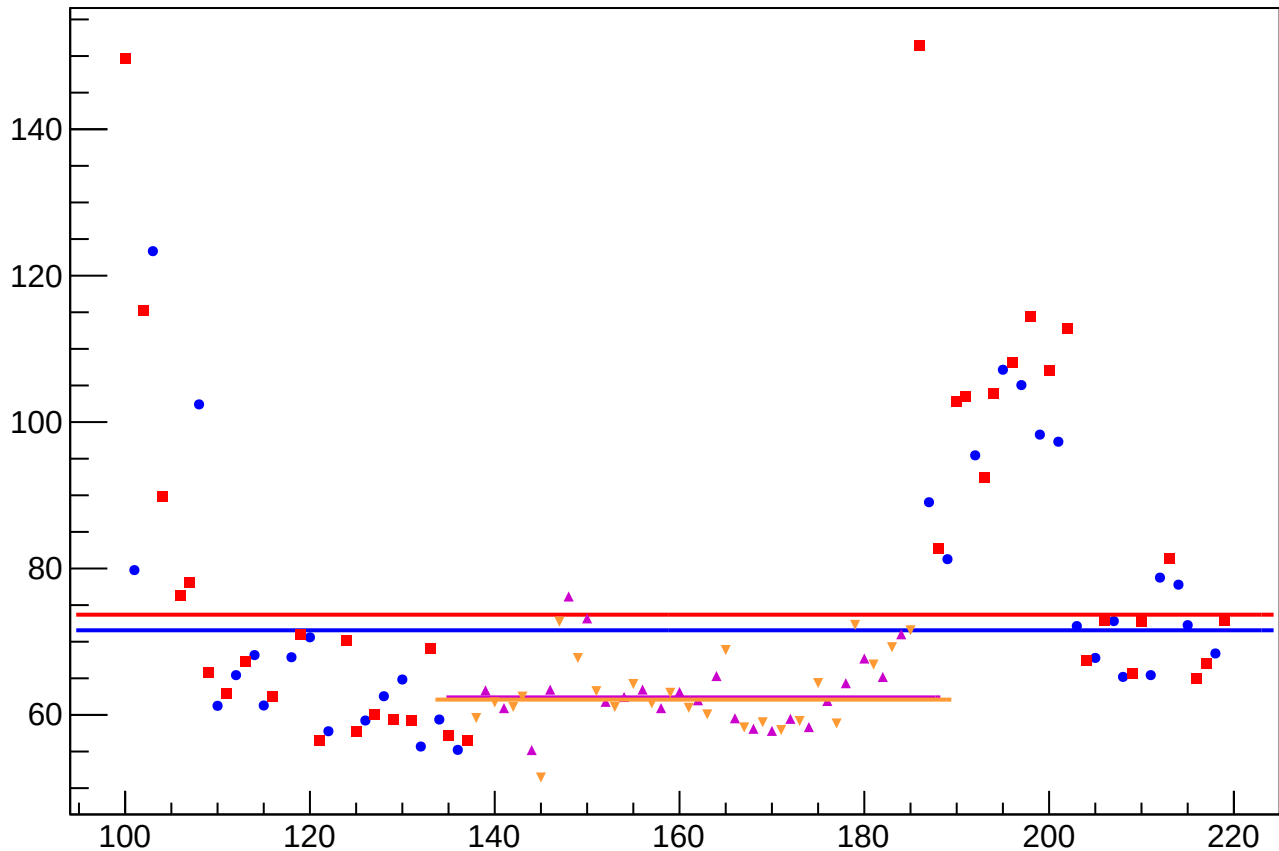
Left In: 90.363 ± 14.656 χ^2/NDF : 25.0/22

+ sign -44.789 ± 10.710 χ^2/NDF : 101.6/56

All: 6.792 ± 7.651 χ^2/NDF : 227.4/116

- sign 60.547 ± 10.933 χ^2/NDF : 78.4/59

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.559 ± 0.012 $\chi^2/\text{NDF}: 1523975.2/31$

Left Out: 62.093 ± 0.010 $\chi^2/\text{NDF}: 233343.0/24$

Right Out: 73.692 ± 0.012 $\chi^2/\text{NDF}: 2103615.4/36$

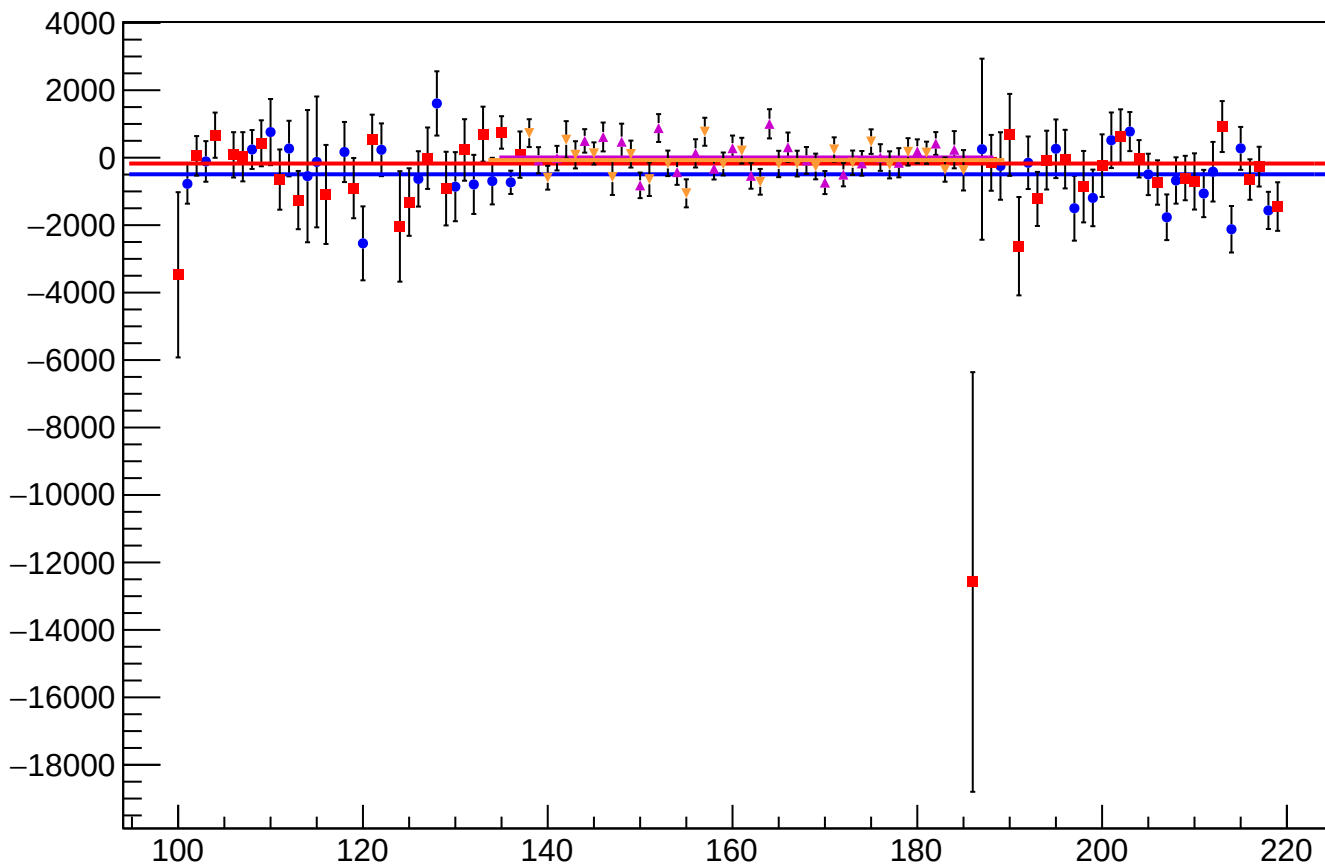
Left In: 62.395 ± 0.010 $\chi^2/\text{NDF}: 188814.3/22$

+ sign 66.155 ± 0.008 $\chi^2/\text{NDF}: 2140054.3/56$

All: 66.767 ± 0.005 $\chi^2/\text{NDF}: 4972803.2/116$

- sign 67.405 ± 0.008 $\chi^2/\text{NDF}: 2819402.1/59$

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -492.444 ± 129.149 χ^2/NDF : 39.6/31

Left Out: -71.324 ± 78.399 χ^2/NDF : 28.6/24

Right Out: -173.537 ± 129.686 χ^2/NDF : 34.7/36

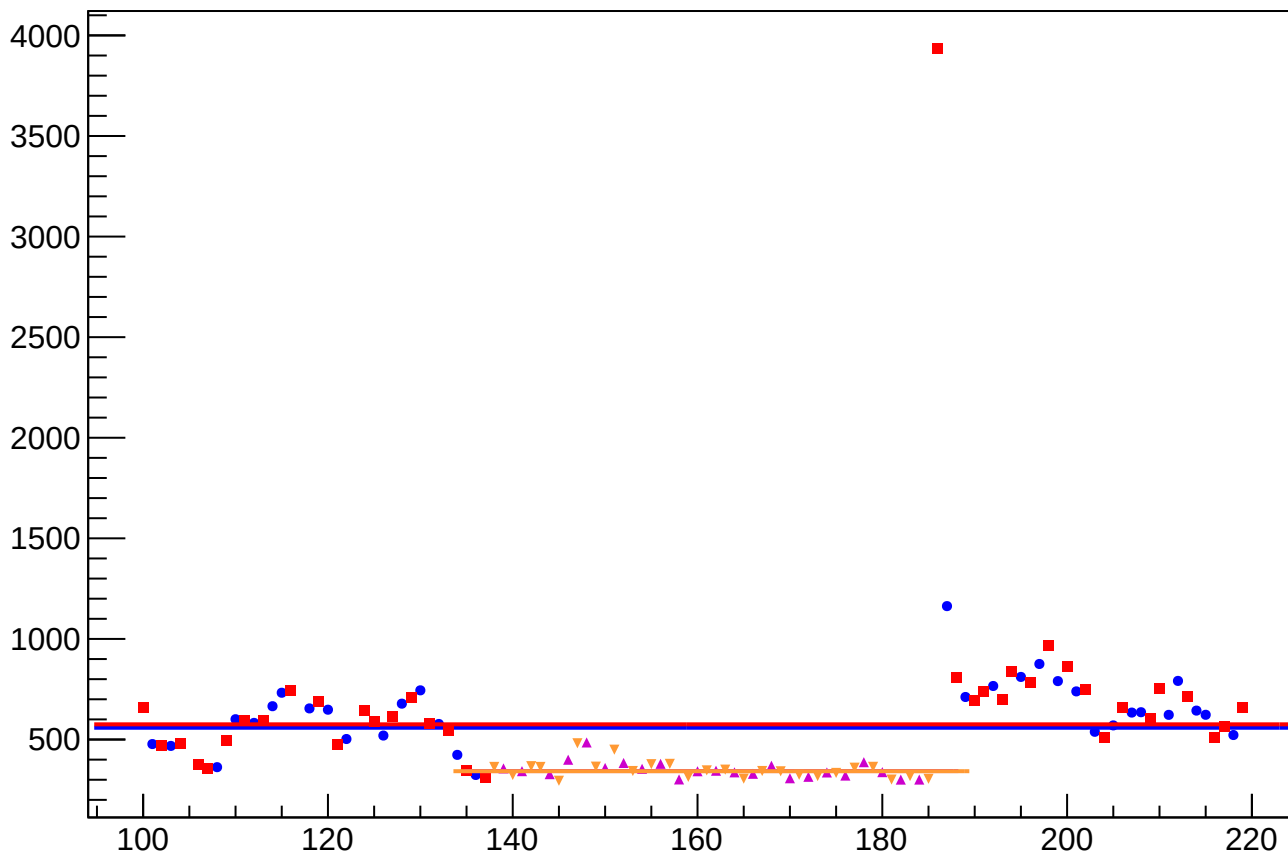
Left In: 6.134 ± 80.760 χ^2/NDF : 34.0/22

+ sign -184.721 ± 67.018 χ^2/NDF : 76.0/56

All: -115.990 ± 47.923 χ^2/NDF : 148.3/116

- sign -44.072 ± 68.554 χ^2/NDF : 70.1/59

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 558.592 $\pm$ 0.091 χ^2 /NDF: 2687081.7/31

Left Out: 342.502 $\pm$ 0.055 χ^2 /NDF: 434208.3/24

Right Out: 575.457 $\pm$ 0.092 χ^2 /NDF: 3350192.5/36

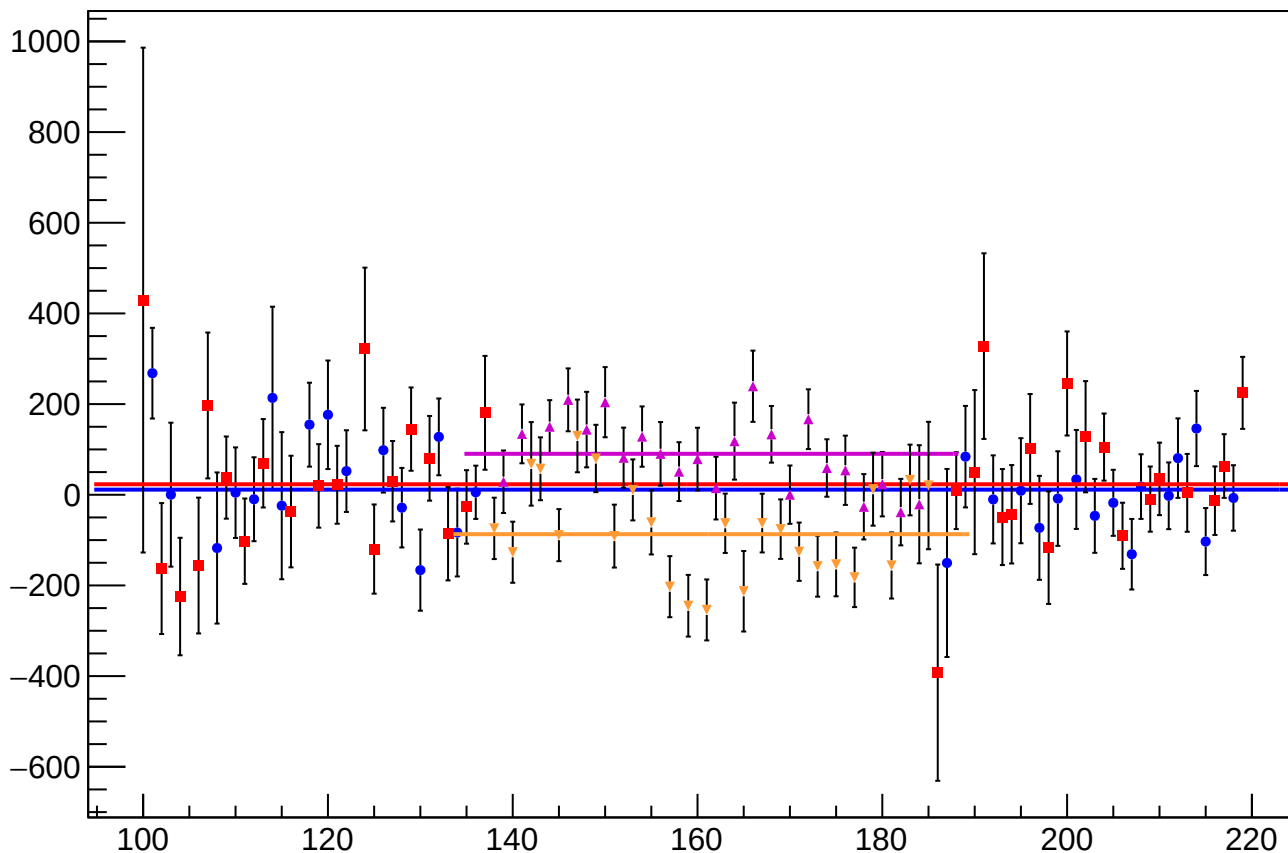
Left In: 343.245 $\pm$ 0.057 χ^2 /NDF: 372991.6/22

+ sign 400.690 $\pm$ 0.047 χ^2 /NDF: 7212680.9/56

All: 404.327 $\pm$ 0.034 χ^2 /NDF: 15568409.9/1

- sign 408.133 $\pm$ 0.048 χ^2 /NDF: 8343674.5/59

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 11.315 ± 16.350 χ^2/NDF : 32.2/31

Left Out: -86.957 ± 14.175 χ^2/NDF : 48.8/24

Right Out: 23.135 ± 16.418 χ^2/NDF : 44.0/36

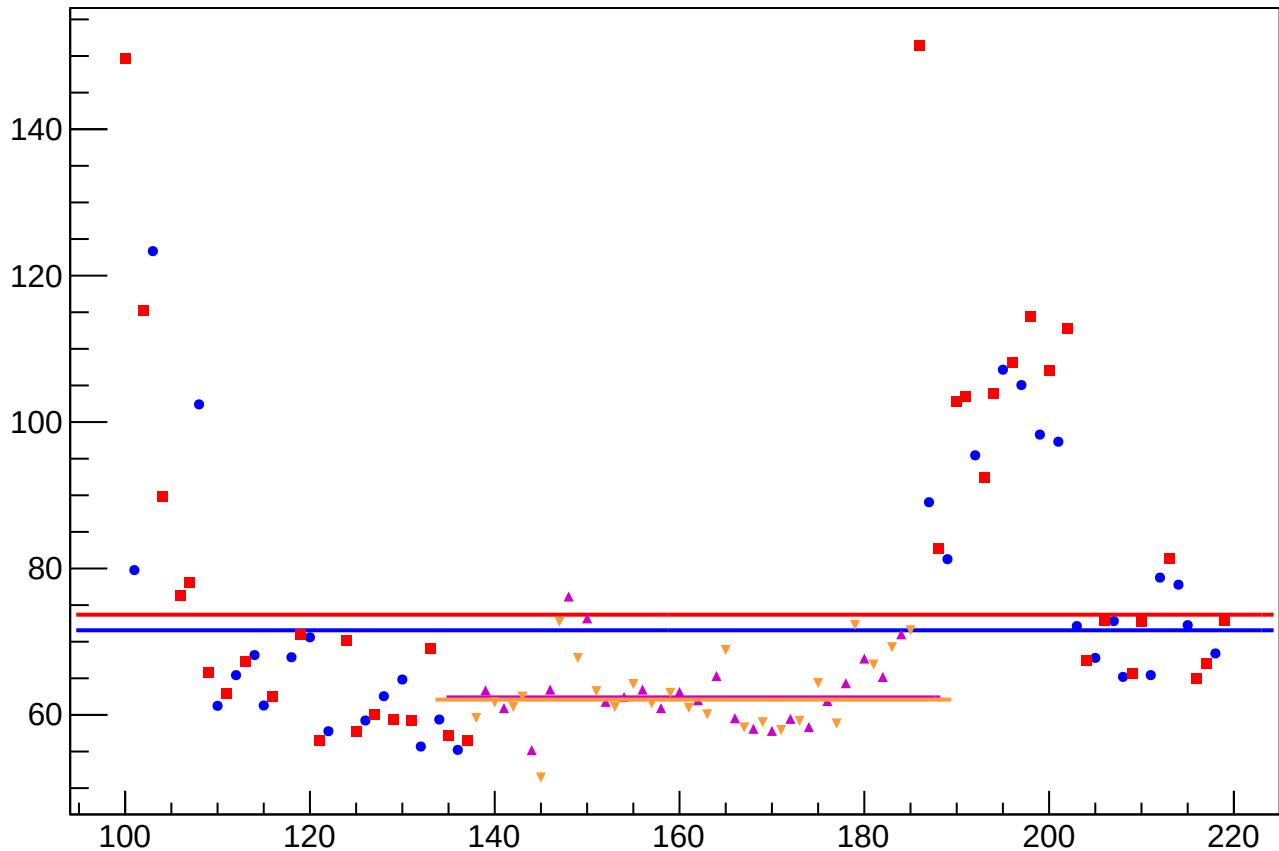
Left In: 90.363 ± 14.656 χ^2/NDF : 25.0/22

+ sign -44.788 ± 10.710 χ^2/NDF : 101.6/56

All: 6.792 ± 7.651 χ^2/NDF : 227.4/116

- sign 60.547 ± 10.933 χ^2/NDF : 78.4/59

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.559 $\pm$ 0.012 χ^2 /NDF: 1523997.7/31

Left Out: 62.093 $\pm$ 0.010 χ^2 /NDF:233347.2/24

Right Out: 73.692 $\pm$ 0.012 χ^2 /NDF: 2103619.3/36

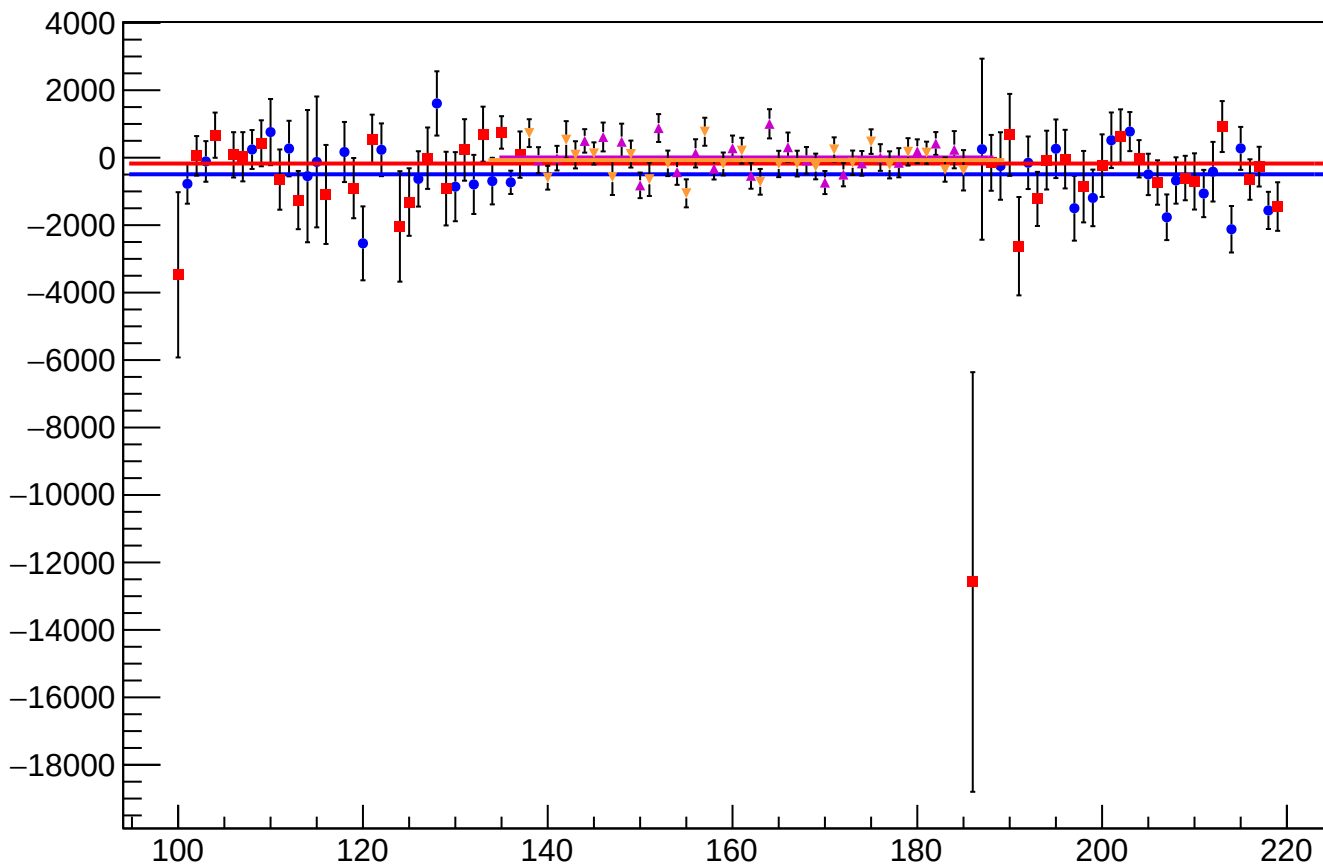
Left In: 62.395 $\pm$ 0.010 χ^2 /NDF:188817.4/22

+ sign 66.155 $\pm$ 0.008 χ^2 /NDF: 2140079.2/56

All: 66.767 $\pm$ 0.005 χ^2 /NDF: 4972827.9/116

- sign 67.405 $\pm$ 0.008 χ^2 /NDF: 2819401.8/59

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug



Right In: -492.443 $\pm$ 129.149 χ^2/NDF : 39.6/31

Left Out: -71.324 $\pm$ 78.399 χ^2/NDF : 28.6/24

Right Out: -173.537 $\pm$ 129.685 χ^2/NDF : 34.7/36

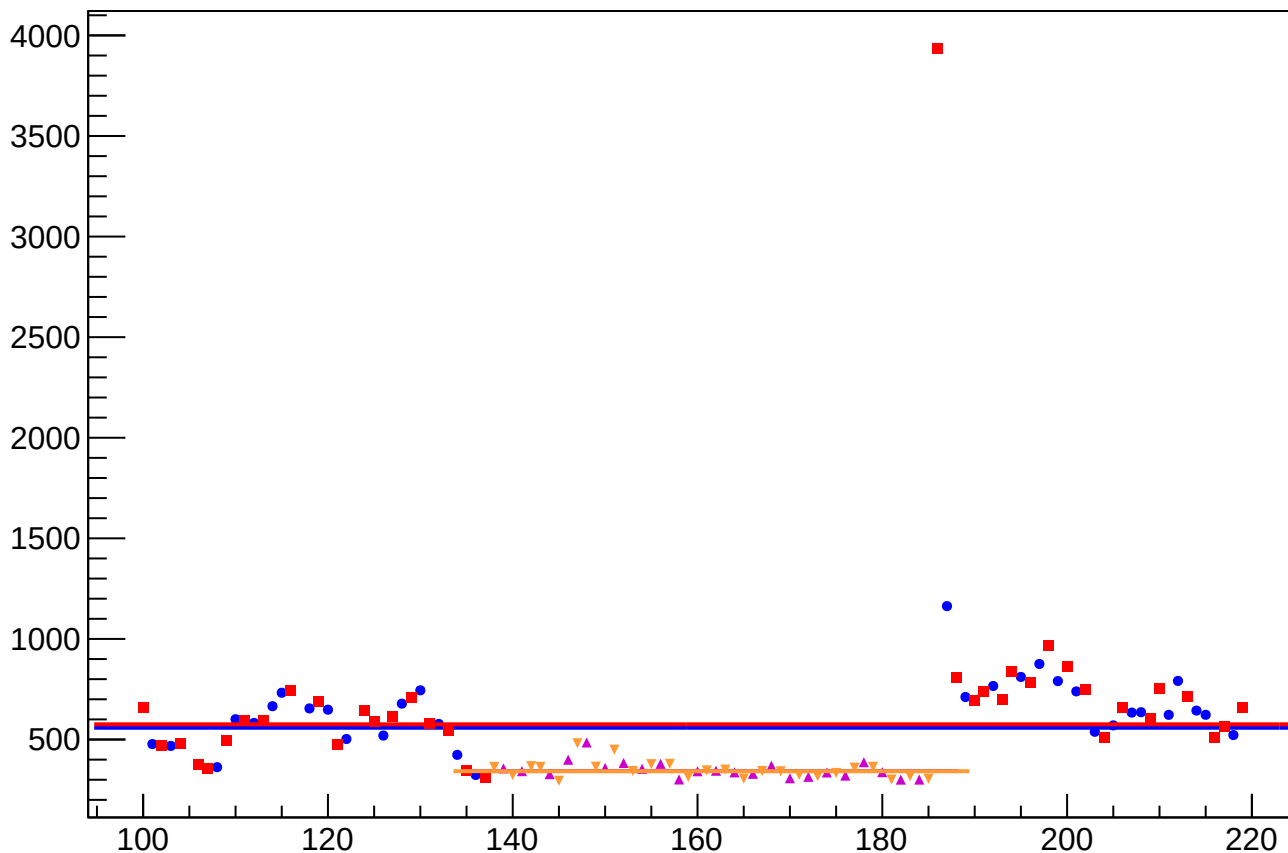
Left In: 6.134 $\pm$ 80.760 χ^2/NDF : 34.0/22

+ sign -184.721 $\pm$ 67.018 χ^2/NDF : 76.0/56

All: -115.990 $\pm$ 47.923 χ^2/NDF : 148.3/116

- sign -44.072 $\pm$ 68.554 χ^2/NDF : 70.1/59

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 558.592 $\pm$ 0.091 χ^2 /NDF: 2687085.1/31

Left Out: 342.502 $\pm$ 0.055 χ^2 /NDF: 434210.5/24

Right Out: 575.456 $\pm$ 0.092 χ^2 /NDF: 3350198.7/36

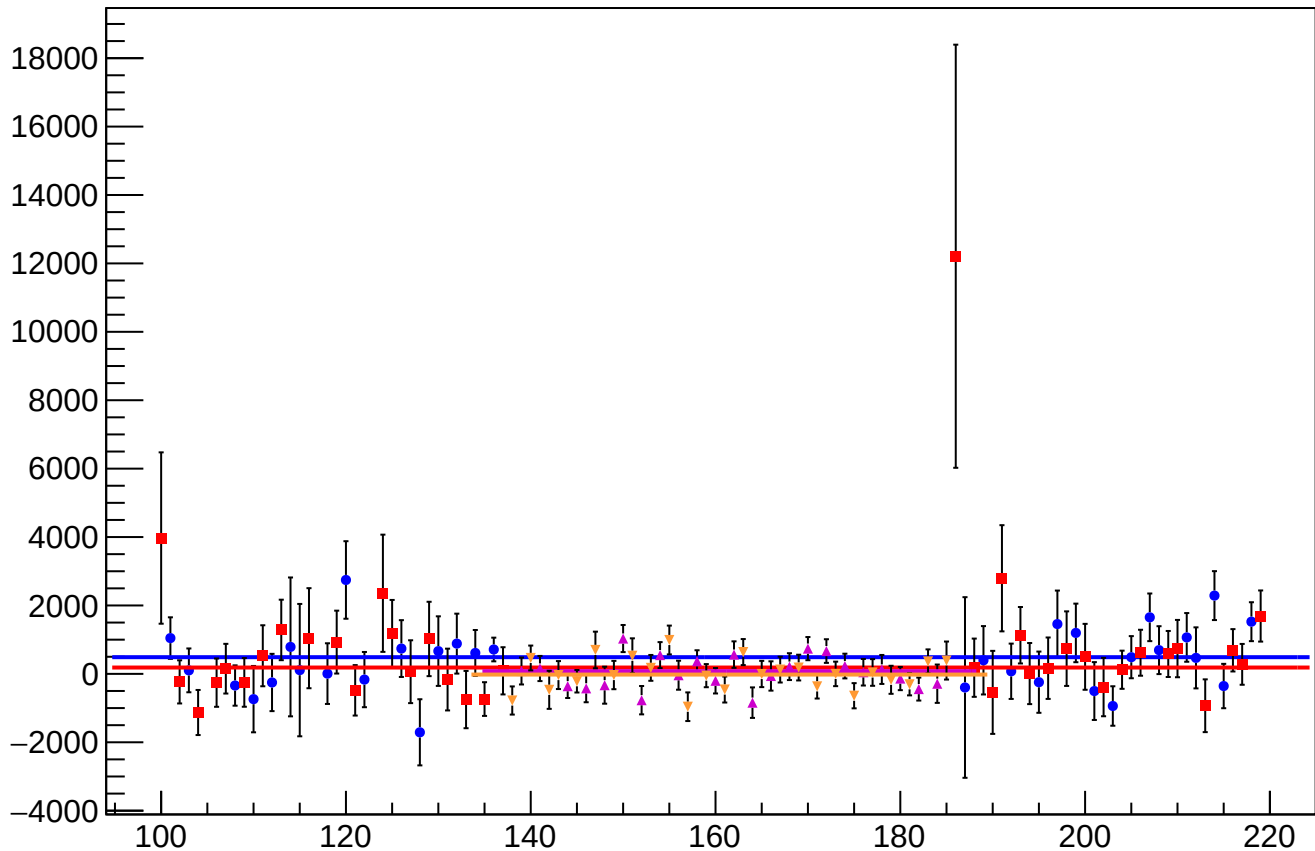
Left In: 343.245 $\pm$ 0.057 χ^2 /NDF: 372993.5/22

+ sign 400.690 $\pm$ 0.047 χ^2 /NDF: 7212668.3/56

All: 404.327 $\pm$ 0.034 χ^2 /NDF: 15568379.0/1

- sign 408.133 $\pm$ 0.048 χ^2 /NDF: 8343655.8/59

asym_sam_13_57_dd_mean vs Slug



Right In: 487.905 $\pm$ 131.196 χ^2 /NDF: 41.6/31

Left Out: -20.272 $\pm$ 78.196 χ^2 /NDF: 31.4/24

Right Out: 185.307 $\pm$ 132.636 χ^2 /NDF: 36.3/36

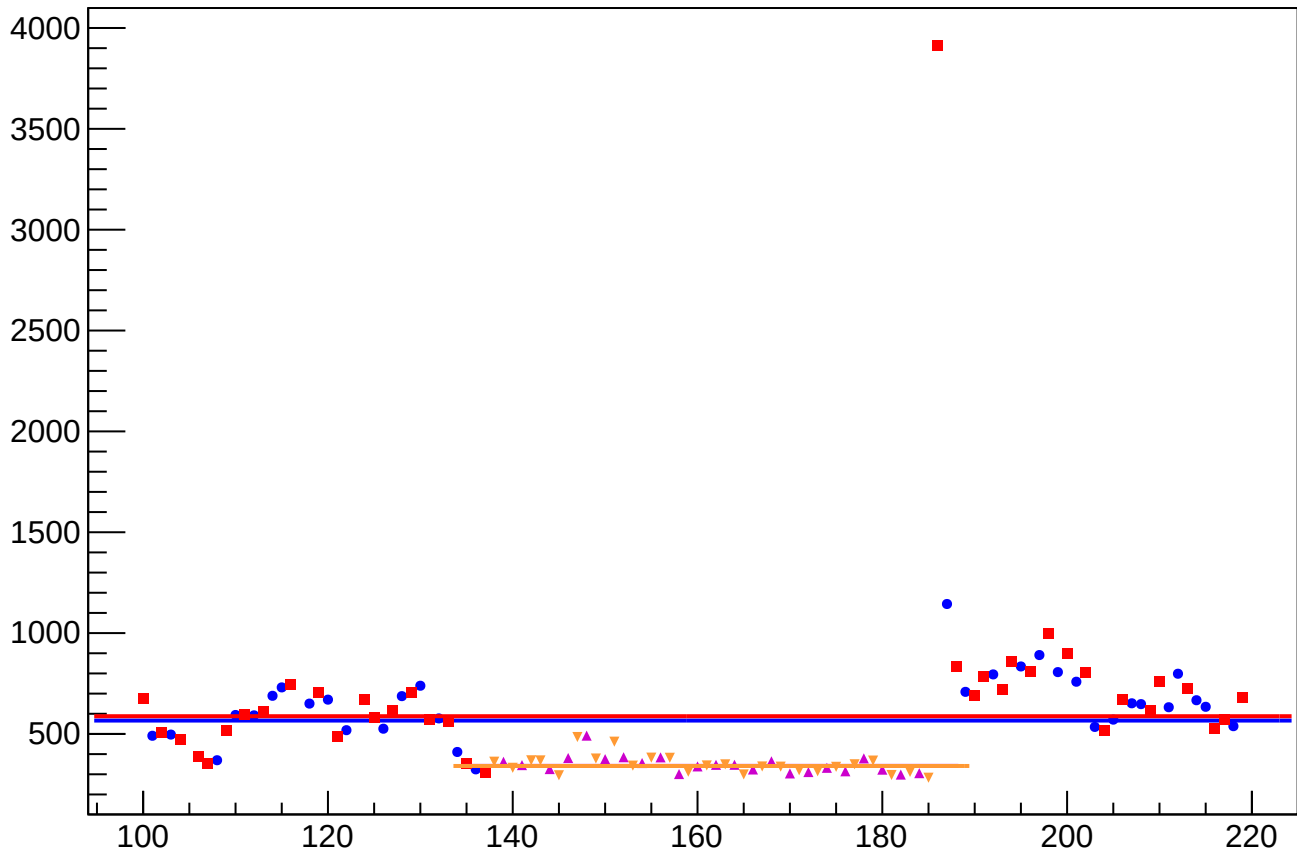
Left In: 78.719 $\pm$ 80.410 χ^2 /NDF: 32.9/22

+ sign 112.935 $\pm$ 67.170 χ^2 /NDF: 84.1/56

All: 110.215 $\pm$ 48.049 χ^2 /NDF: 153.8/116

- sign 107.365 $\pm$ 68.761 χ^2 /NDF: 69.7/59

asym_sam_13_57_dd_rms vs Slug



Right In: 566.378 $\pm$ 0.093 χ^2 /NDF: 2763746.8/31

Left Out: 341.199 $\pm$ 0.055 χ^2 /NDF: 510854.5/24

Right Out: 587.896 $\pm$ 0.094 χ^2 /NDF: 3421506.0/36

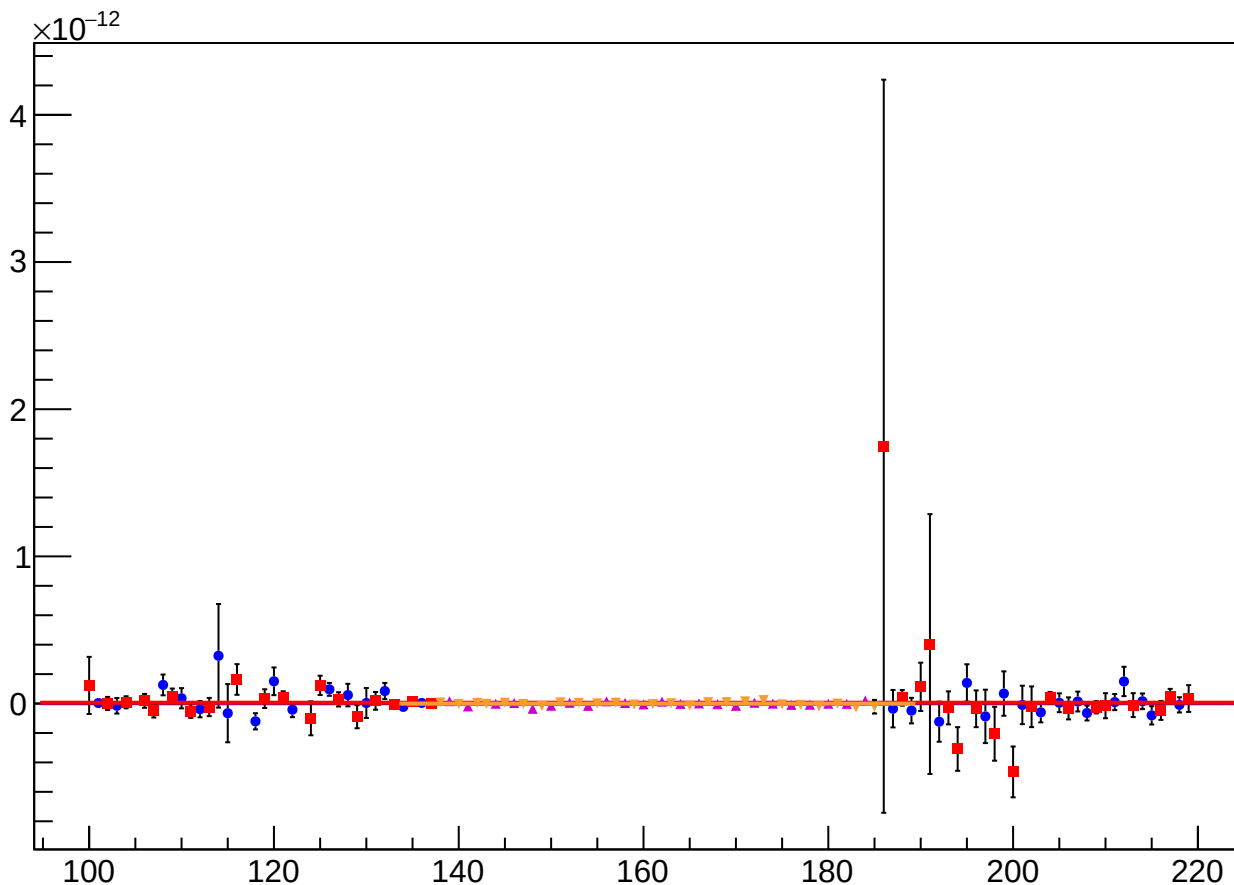
Left In: 341.622 $\pm$ 0.057 χ^2 /NDF: 396885.0/22

+ sign 400.225 $\pm$ 0.047 χ^2 /NDF: 7621962.6/56

All: 403.929 $\pm$ 0.034 χ^2 /NDF: 16494809.8/11

- sign 407.810 $\pm$ 0.049 χ^2 /NDF: 8860392.9/59

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 30.9/31

Left Out: -0.000+/-0.000 χ^2 /NDF:19.2/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 32.1/36

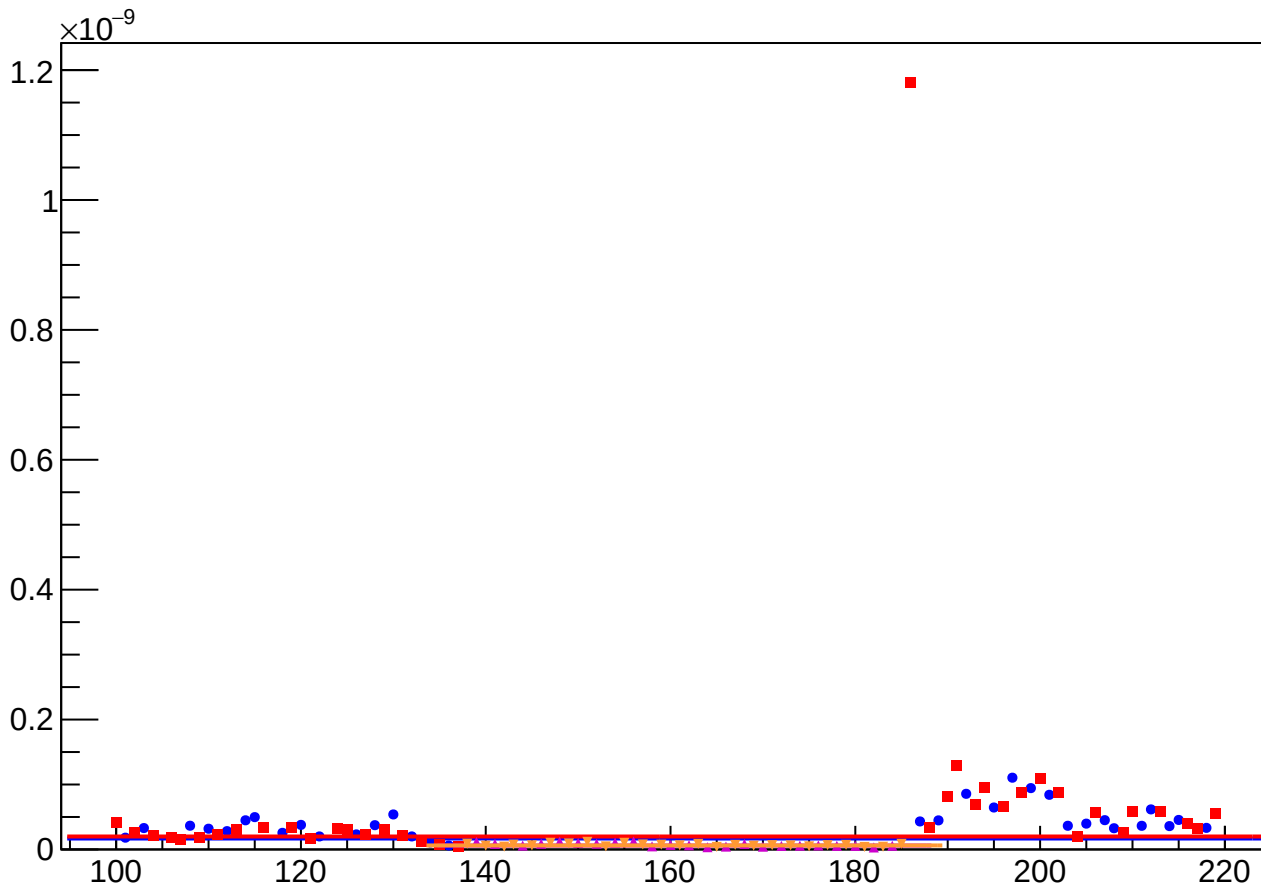
Left In: -0.000+/-0.000 χ^2 /NDF:14.4/22

+ sign -0.000+/-0.000 χ^2 /NDF: 50.2/56

All: -0.000+/-0.000 χ^2 /NDF: 97.8/116

- sign -0.000+/-0.000 χ^2 /NDF: 47.3/59

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8801139.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7830209.1/36

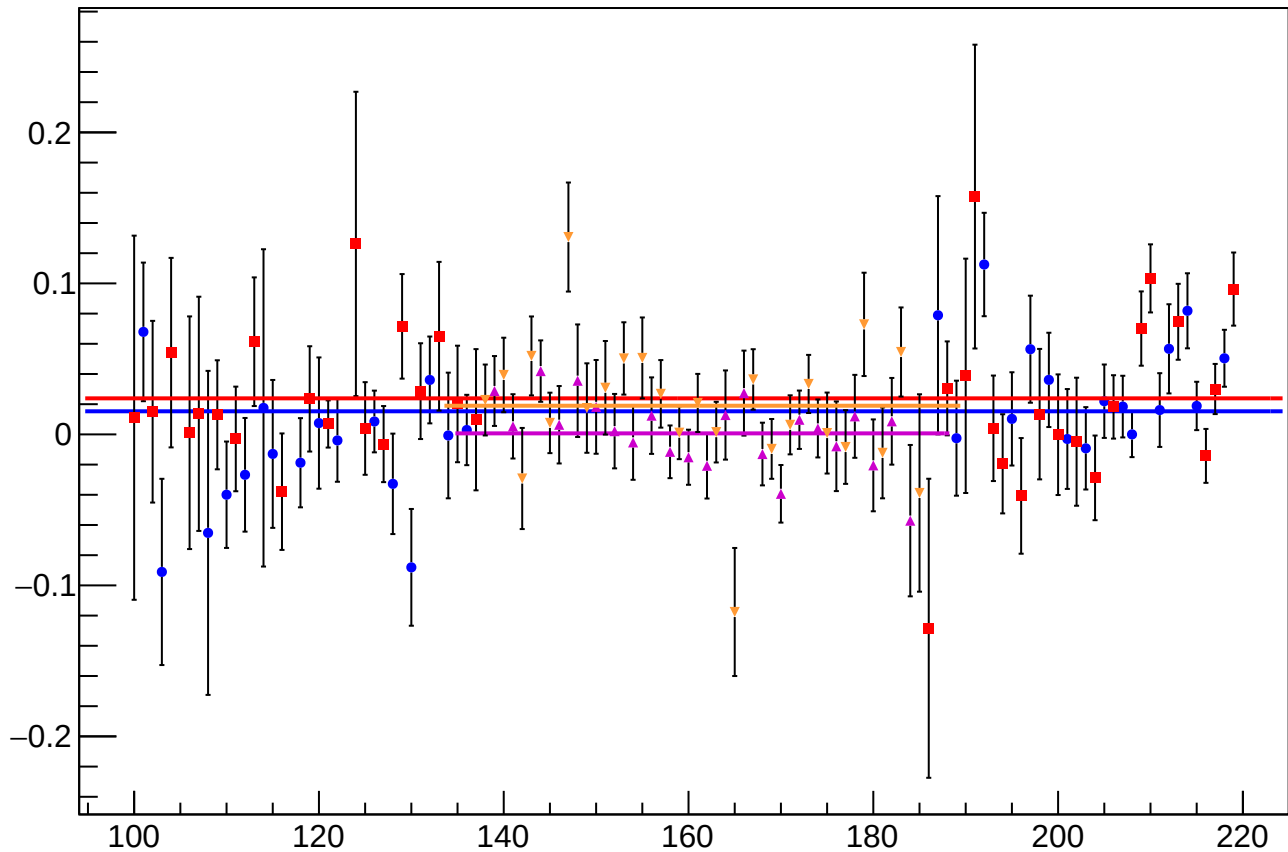
Left In: 0.000+/-0.000 χ^2/NDF : 1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 13696501.3/56

All: 0.000+/-0.000 χ^2/NDF : 28413164.9/116

- sign 0.000+/-0.000 χ^2/NDF : 14716641.5/59

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.005 $\chi^2/\text{NDF}: 46.7/31$

Left Out: 0.019 ± 0.005 $\chi^2/\text{NDF}: 41.2/24$

Right Out: 0.024 ± 0.005 $\chi^2/\text{NDF}: 58.4/36$

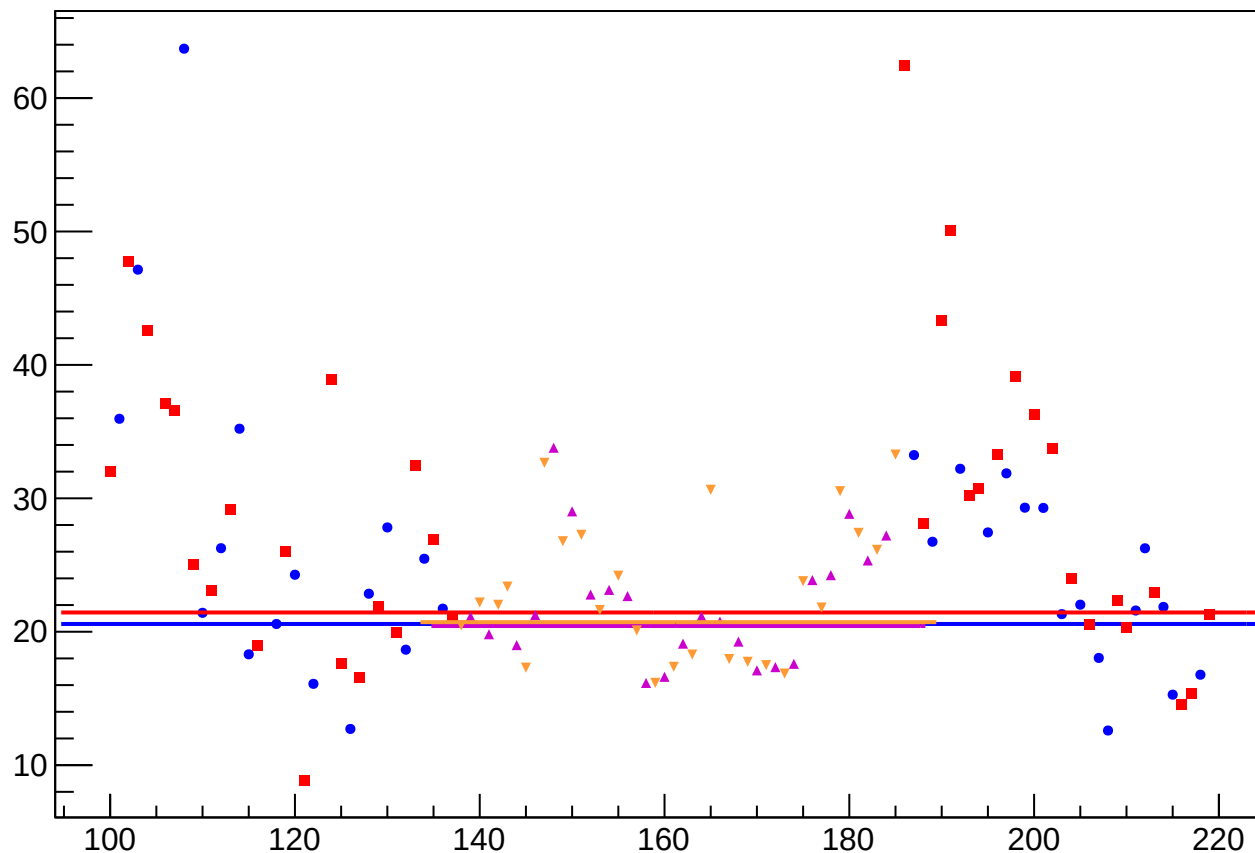
Left In: 0.001 ± 0.005 $\chi^2/\text{NDF}: 17.7/22$

+ sign 0.017 ± 0.003 $\chi^2/\text{NDF}: 88.1/56$

All: 0.015 ± 0.002 $\chi^2/\text{NDF}: 176.0/116$

- sign 0.012 ± 0.004 $\chi^2/\text{NDF}: 86.7/59$

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.582 $\pm$ 0.004 χ^2 /NDF: 3409037.5/31

Left Out: 20.718 $\pm$ 0.003 χ^2 /NDF:1506374.1/24

Right Out: 21.444 $\pm$ 0.004 χ^2 /NDF: 5143347.5/36

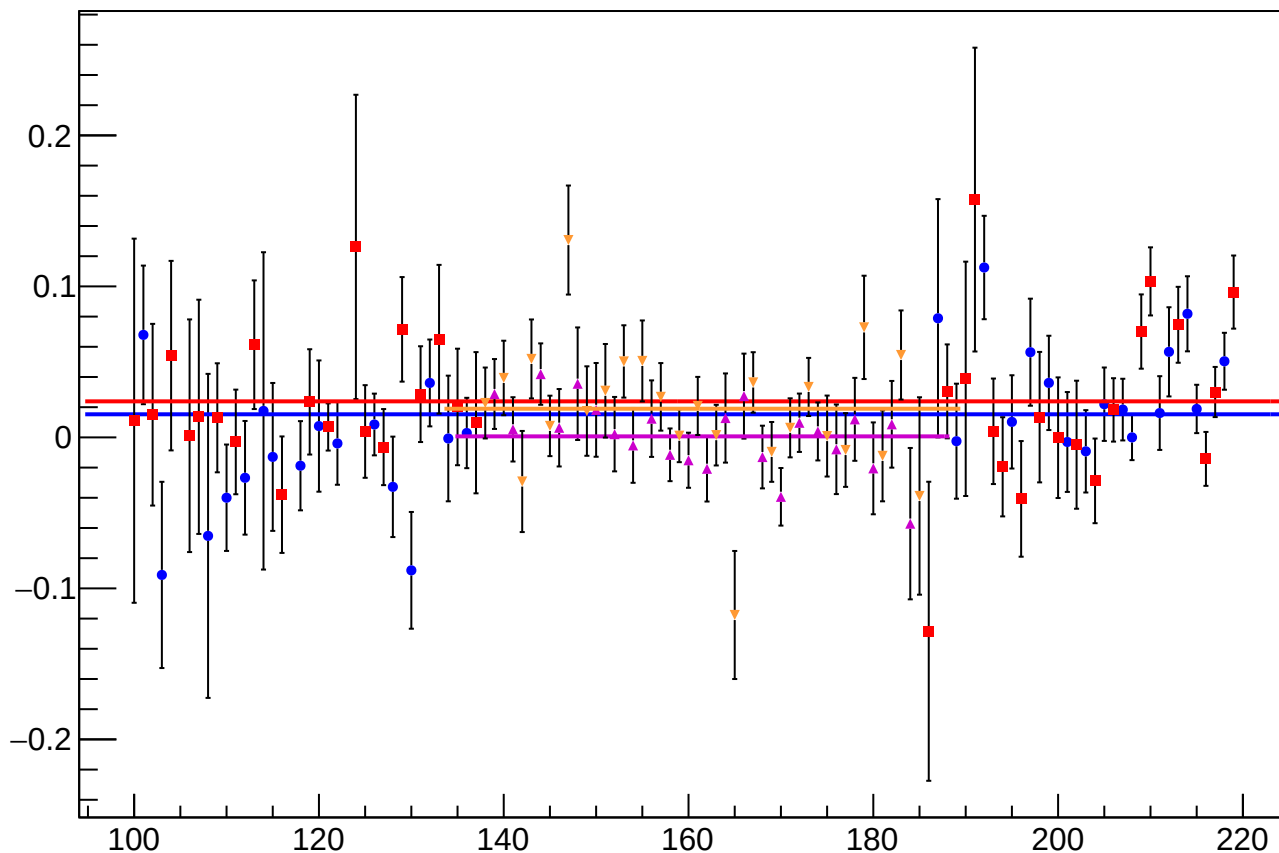
Left In: 20.429 $\pm$ 0.003 χ^2 /NDF:1173949.1/22

+ sign 20.652 $\pm$ 0.002 χ^2 /NDF: 4916165.5/56

All: 20.780 $\pm$ 0.002 χ^2 /NDF: 11279383.0/116

- sign 20.914 $\pm$ 0.003 χ^2 /NDF: 6357713.3/59

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.005 χ^2 /NDF: 46.7/31

Left Out: 0.019 $\pm$ 0.005 χ^2 /NDF:41.2/24

Right Out: 0.024 $\pm$ 0.005 χ^2 /NDF: 58.4/36

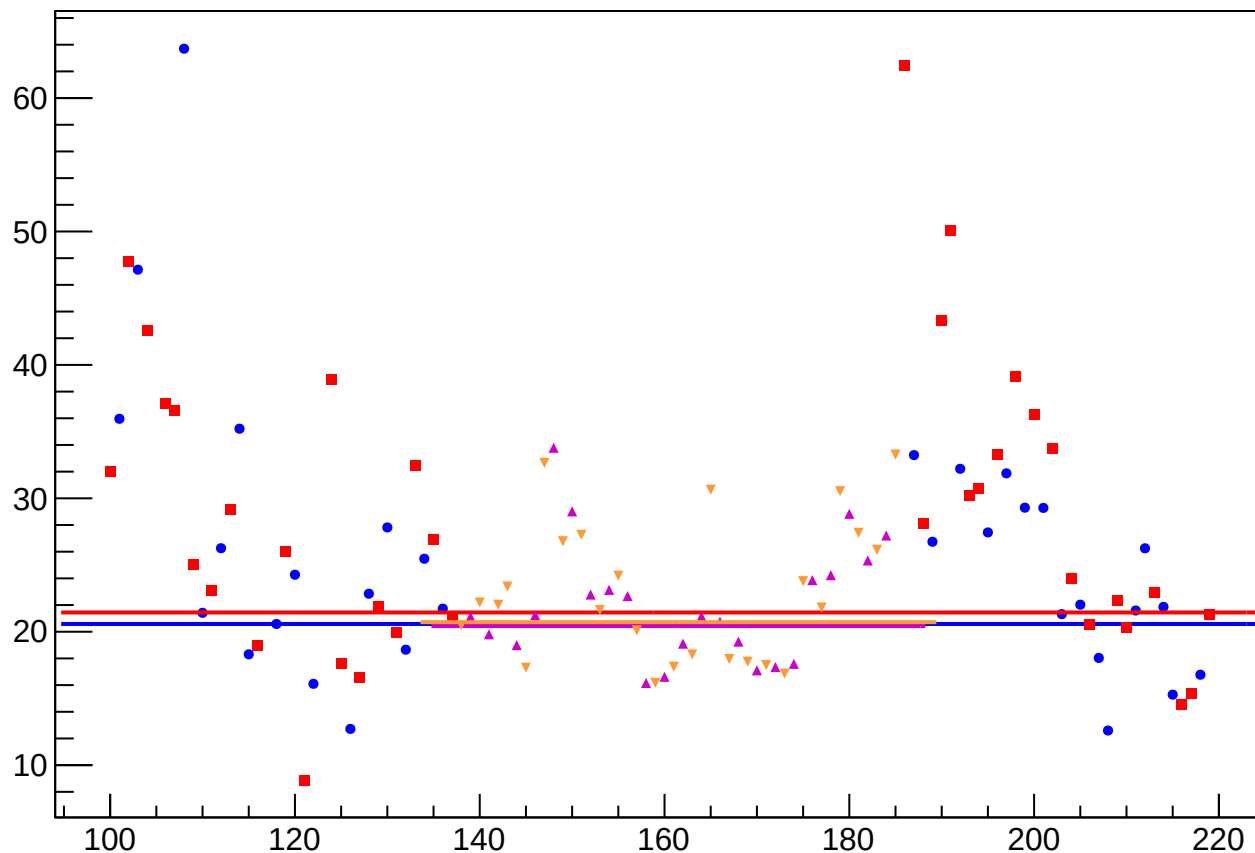
Left In: 0.001 $\pm$ 0.005 χ^2 /NDF:17.7/22

+ sign 0.017 $\pm$ 0.003 χ^2 /NDF: 88.1/56

All: 0.015 $\pm$ 0.002 χ^2 /NDF: 176.0/116

- sign 0.012 $\pm$ 0.004 χ^2 /NDF: 86.7/59

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.582 $\pm$ 0.004 χ^2 /NDF: 3409037.5/31

Left Out: 20.718 $\pm$ 0.003 χ^2 /NDF:1506374.1/24

Right Out: 21.444 $\pm$ 0.004 χ^2 /NDF: 5143347.5/36

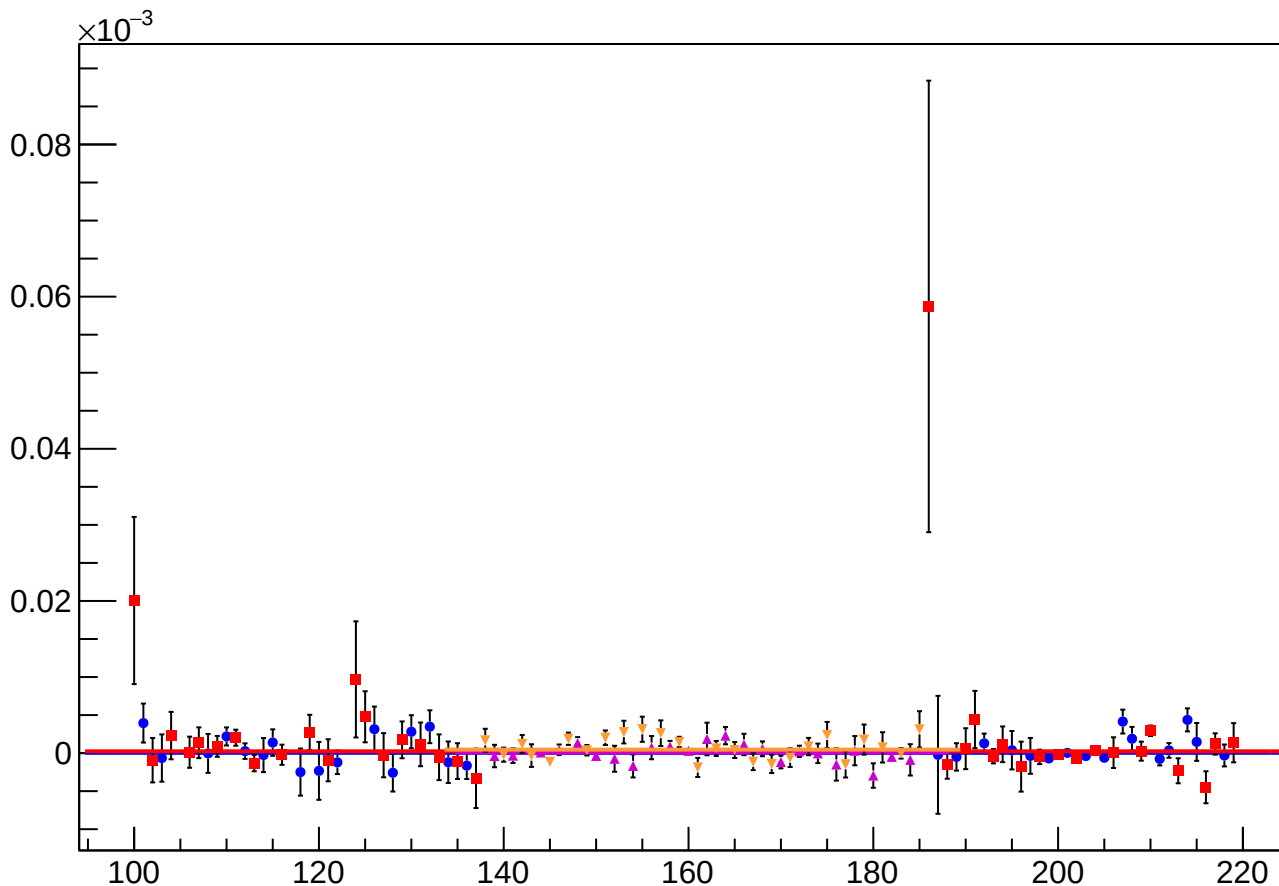
Left In: 20.429 $\pm$ 0.003 χ^2 /NDF:1173949.1/22

+ sign 20.652 $\pm$ 0.002 χ^2 /NDF: 4916165.5/56

All: 20.780 $\pm$ 0.002 χ^2 /NDF: 11279383.0/116

- sign 20.914 $\pm$ 0.003 χ^2 /NDF: 6357713.3/59

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.6/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:36.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 50.2/36

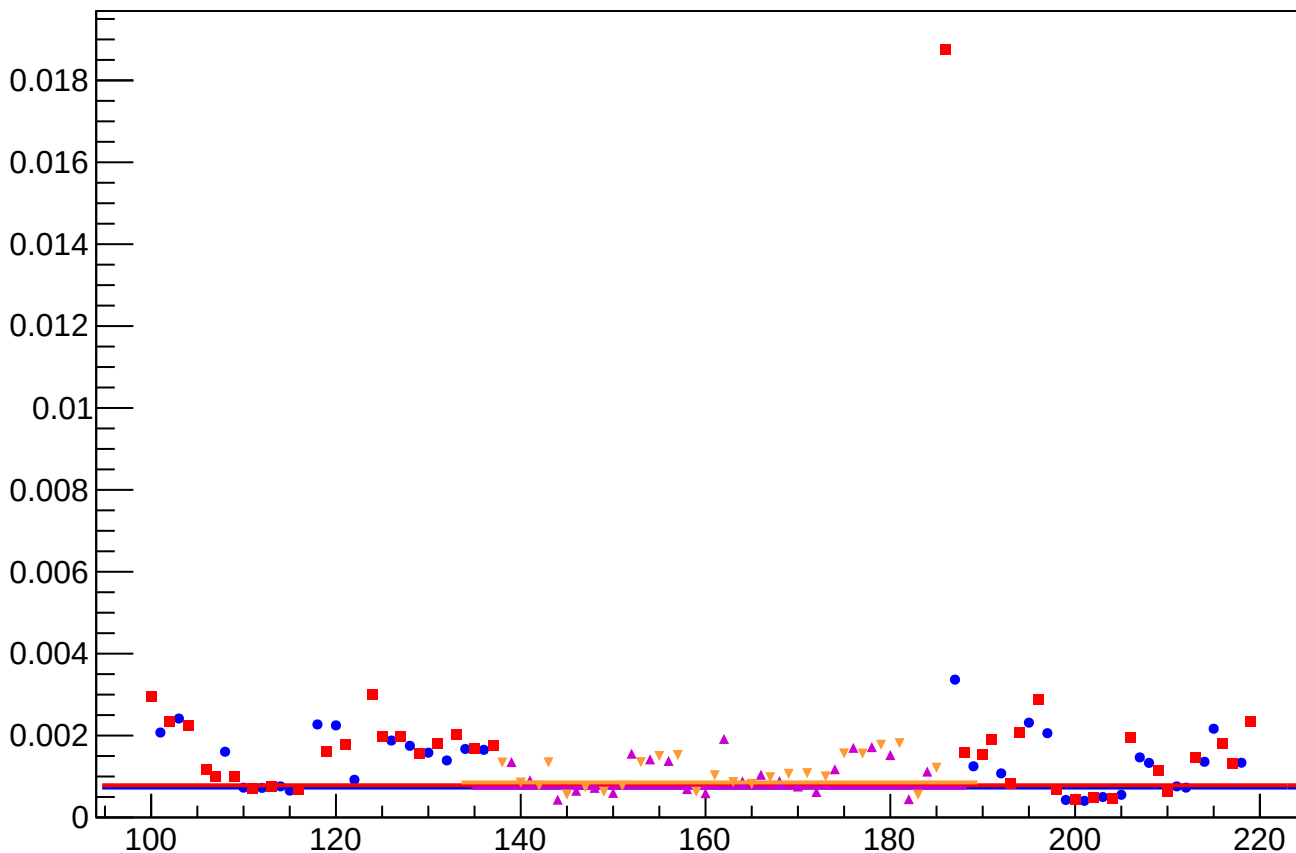
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 77.4/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 147.7/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 70.1/59

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 10615116.2/31

Left Out: 0.001+/-0.000 χ^2/NDF : 4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF : 11740080.9/36

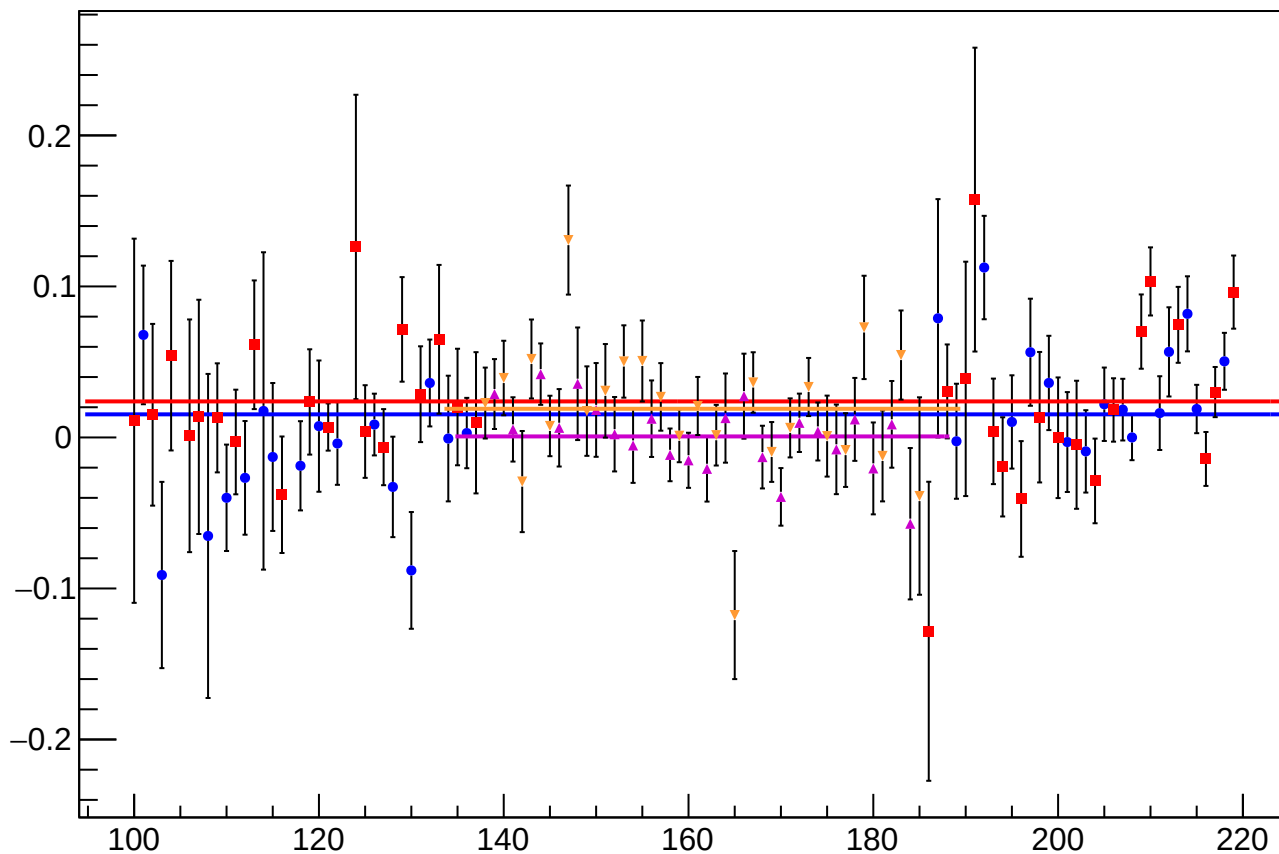
Left In: 0.001+/-0.000 χ^2/NDF : 5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF : 15432085.9/56

All: 0.001+/-0.000 χ^2/NDF : 33137889.4/116

- sign 0.001+/-0.000 χ^2/NDF : 17637931.7/59

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.005 χ^2/NDF : 46.7/31

Left Out: 0.019 ± 0.005 χ^2/NDF : 41.2/24

Right Out: 0.024 ± 0.005 χ^2/NDF : 58.4/36

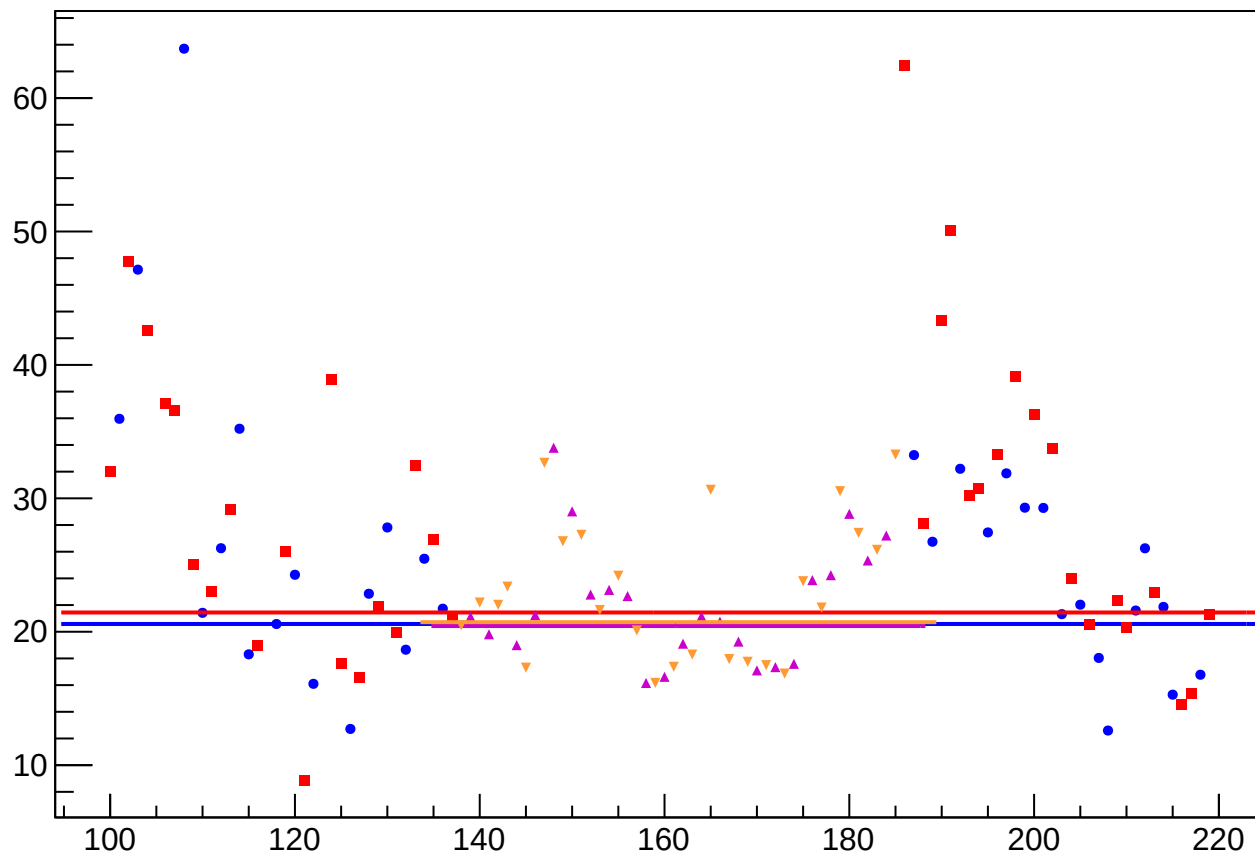
Left In: 0.001 ± 0.005 χ^2/NDF : 17.7/22

+ sign 0.017 ± 0.003 χ^2/NDF : 88.1/56

All: 0.015 ± 0.002 χ^2/NDF : 176.0/116

- sign 0.012 ± 0.004 χ^2/NDF : 86.7/59

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.583 $\pm$ 0.004 χ^2/NDF : 3408897.4/31

Left Out: 20.718 $\pm$ 0.003 χ^2/NDF : 1506475.9/24

Right Out: 21.444 $\pm$ 0.004 χ^2/NDF : 5142830.2/36

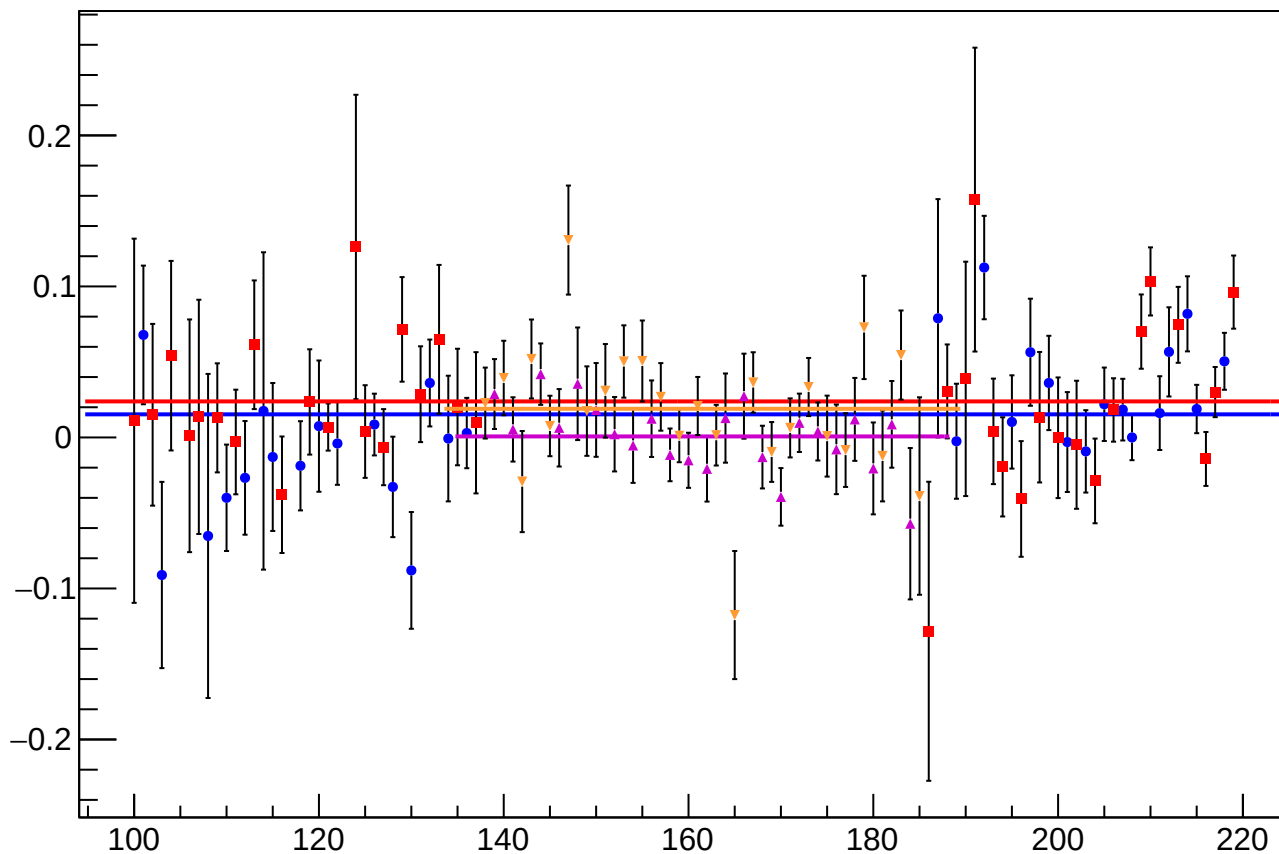
Left In: 20.429 $\pm$ 0.003 χ^2/NDF : 1173995.4/22

+ sign 20.652 $\pm$ 0.002 χ^2/NDF : 4916123.6/56

All: 20.780 $\pm$ 0.002 χ^2/NDF : 11278902.1/116

- sign 20.914 $\pm$ 0.003 χ^2/NDF : 6357270.3/59

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.005 χ^2/NDF : 46.7/31

Left Out: 0.019 ± 0.005 χ^2/NDF : 41.2/24

Right Out: 0.024 ± 0.005 χ^2/NDF : 58.4/36

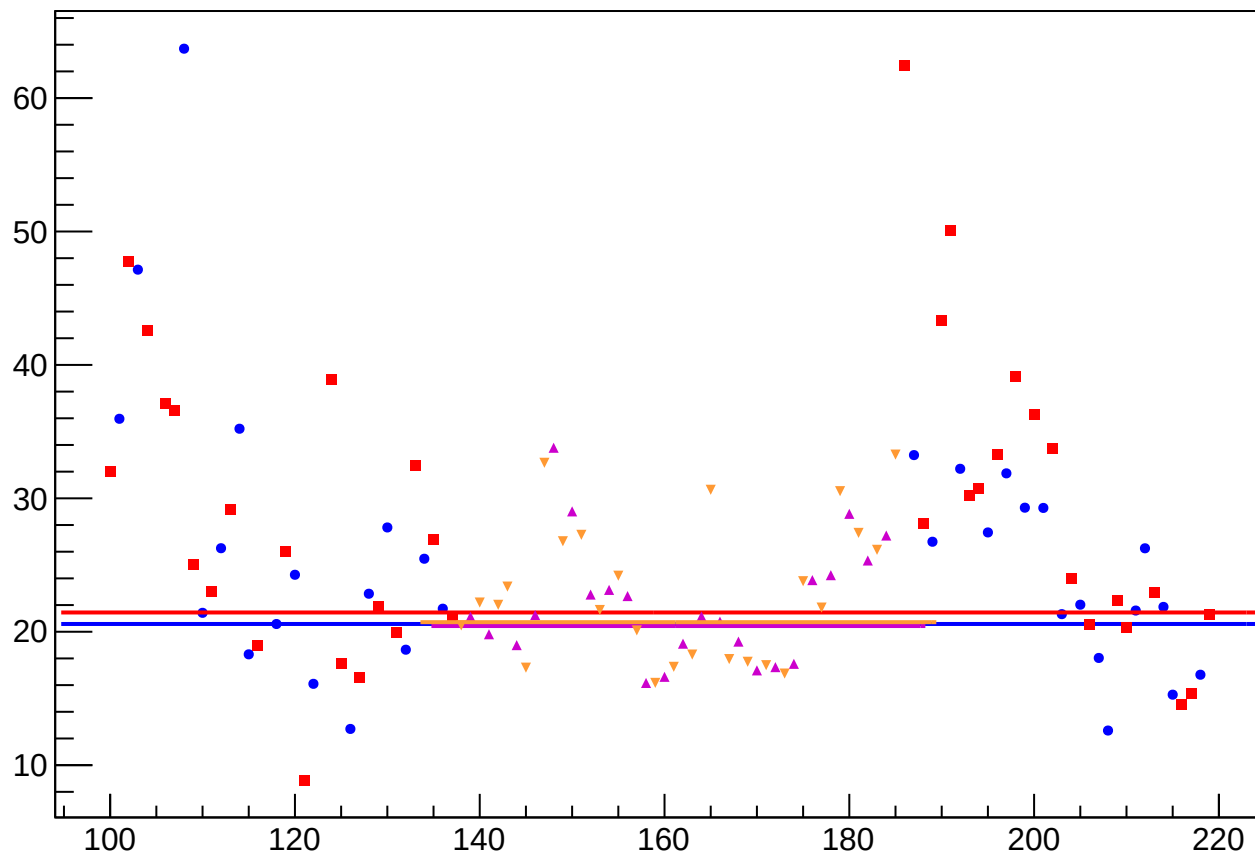
Left In: 0.001 ± 0.005 χ^2/NDF : 17.7/22

+ sign 0.017 ± 0.003 χ^2/NDF : 88.1/56

All: 0.015 ± 0.002 χ^2/NDF : 176.0/116

- sign 0.012 ± 0.004 χ^2/NDF : 86.7/59

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.583 $\pm$ 0.004 χ^2 /NDF: 3408897.4/31

Left Out: 20.718 $\pm$ 0.003 χ^2 /NDF: 1506475.9/24

Right Out: 21.444 $\pm$ 0.004 χ^2 /NDF: 5142830.2/36

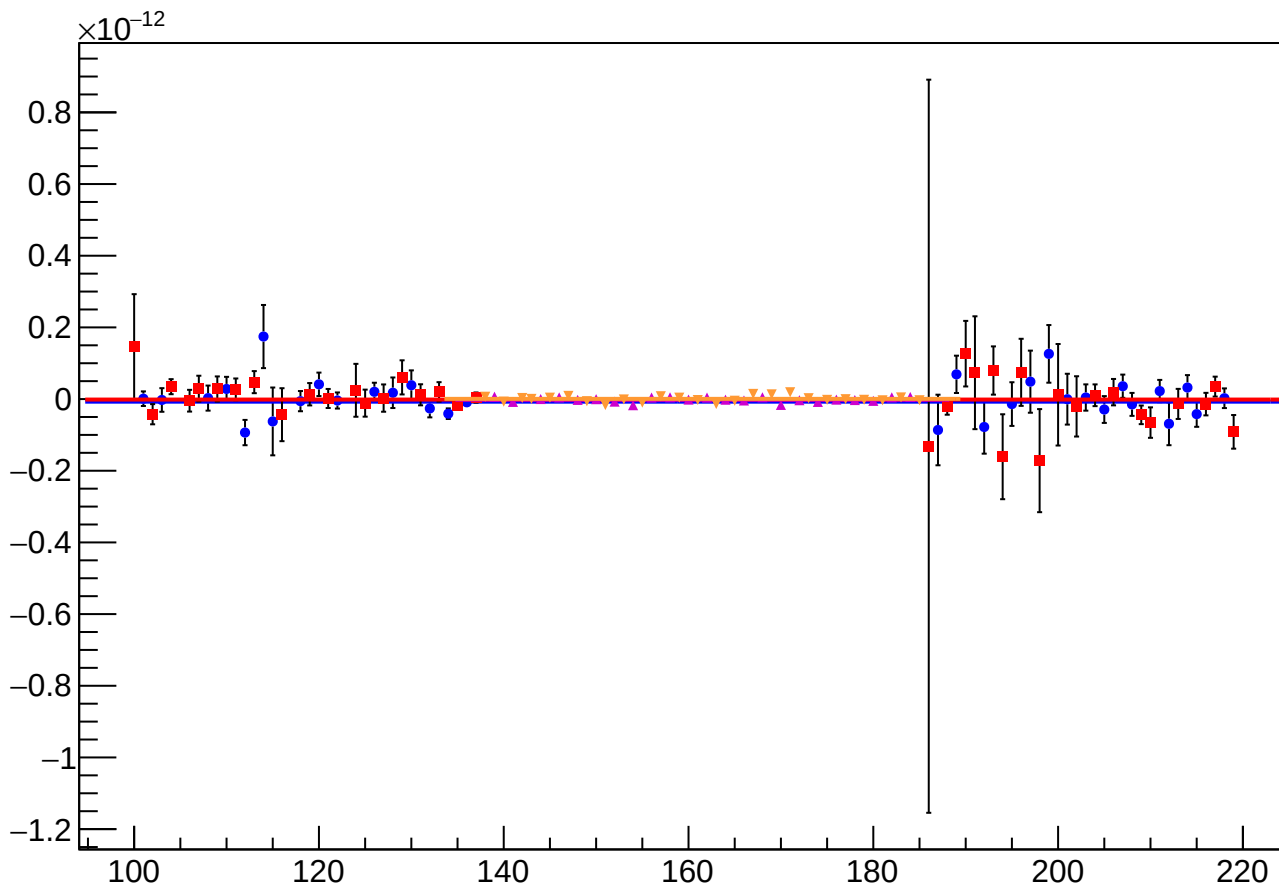
Left In: 20.429 $\pm$ 0.003 χ^2 /NDF: 1173995.4/22

+ sign 20.652 $\pm$ 0.002 χ^2 /NDF: 4916123.6/56

All: 20.780 $\pm$ 0.002 χ^2 /NDF: 11278902.1/116

- sign 20.914 $\pm$ 0.003 χ^2 /NDF: 6357270.3/59

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.2/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.0/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.7/36

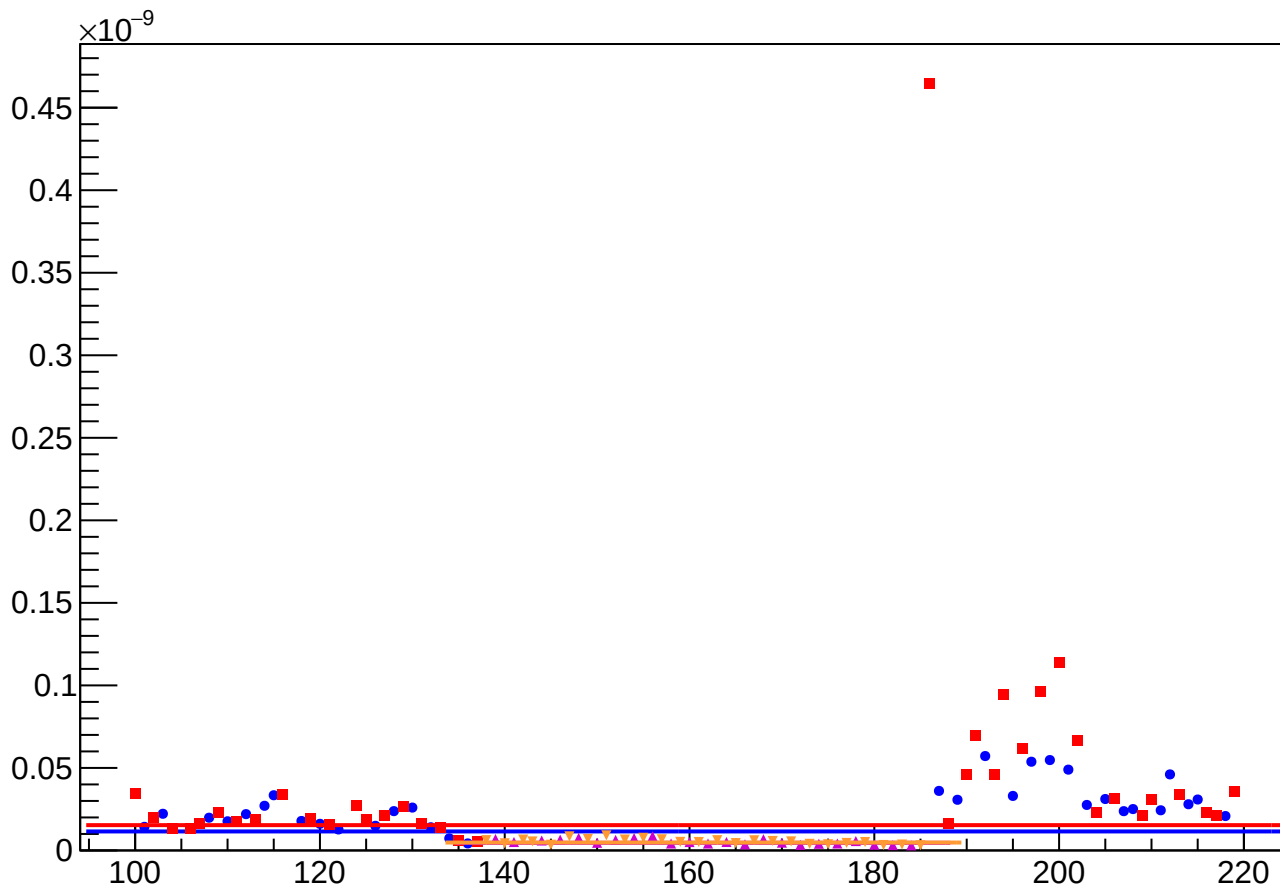
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 68.5/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 126.4/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 57.3/59

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11630614.3/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10320674.9/36

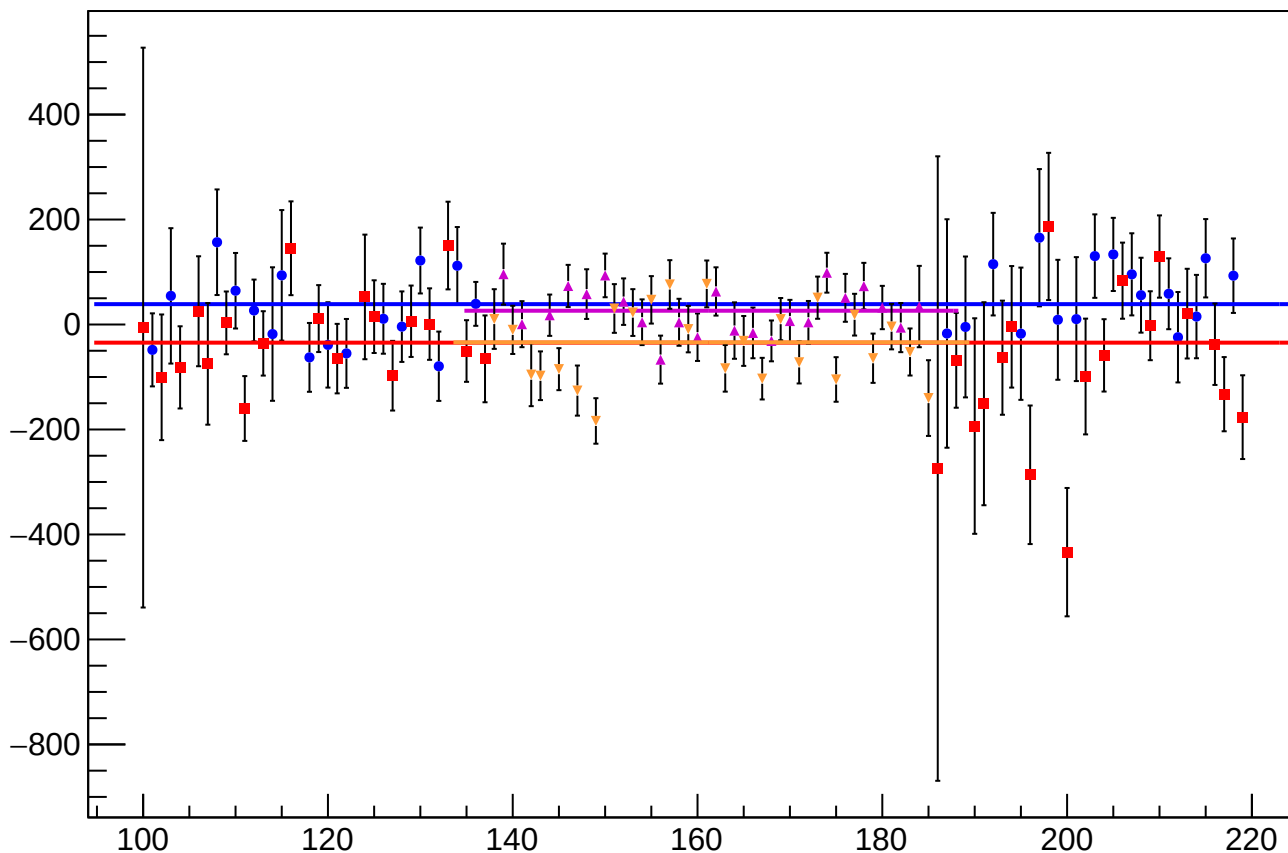
Left In: 0.000+/-0.000 χ^2/NDF : 1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 18555396.6/56

All: 0.000+/-0.000 χ^2/NDF : 39552499.8/116

- sign 0.000+/-0.000 χ^2/NDF : 20993198.8/59

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 38.791 ± 13.681 χ^2/NDF : 23.9/31

Left Out: -33.956 ± 8.993 χ^2/NDF : 58.7/24

Right Out: -34.568 ± 13.639 χ^2/NDF : 49.6/36

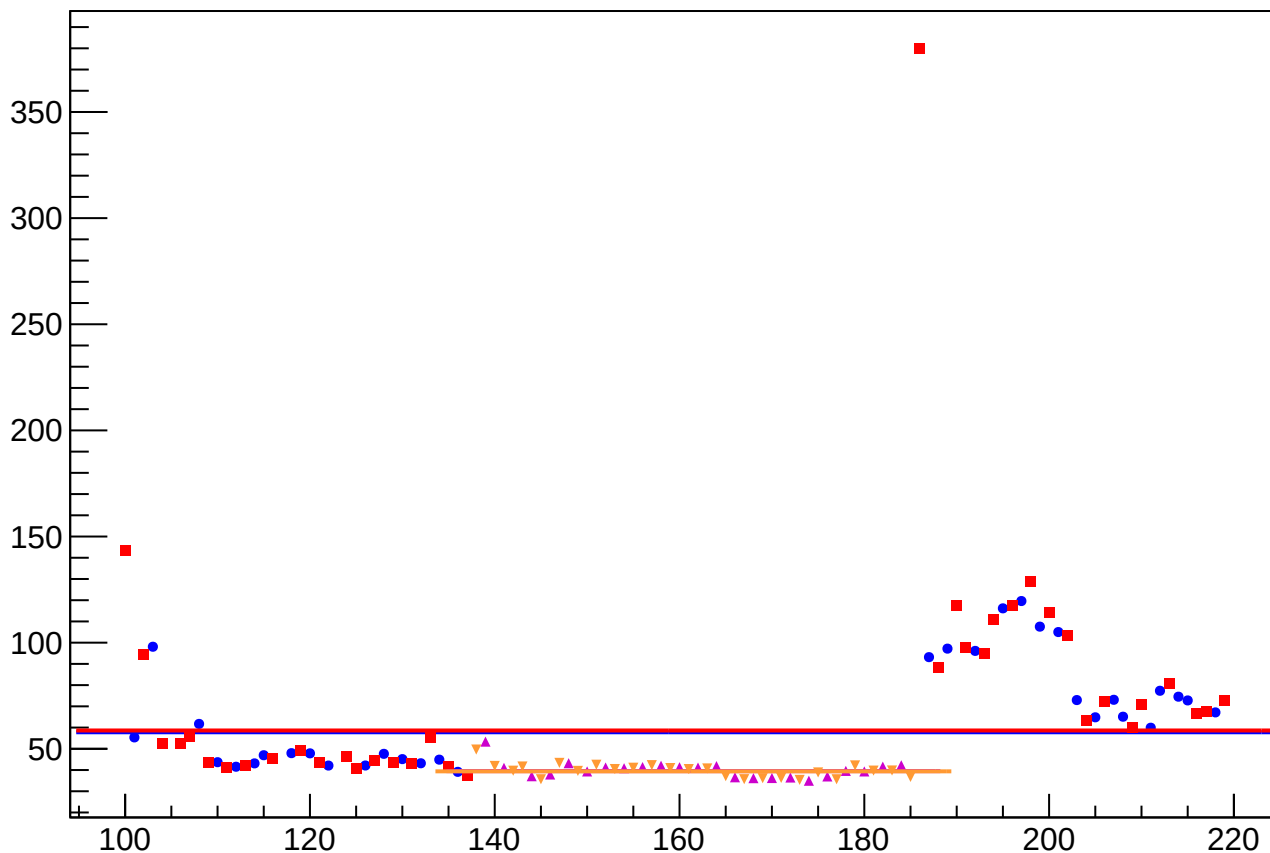
Left In: 26.267 ± 9.271 χ^2/NDF : 22.5/22

+ sign -12.006 ± 7.515 χ^2/NDF : 102.3/56

All: -2.674 ± 5.367 χ^2/NDF : 191.1/116

- sign 7.040 ± 7.668 χ^2/NDF : 85.6/59

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 57.794 $\pm$ 0.010 χ^2 /NDF: 4064243.4/31

Left Out: 39.383 $\pm$ 0.006 χ^2 /NDF: 228799.9/24

Right Out: 58.632 $\pm$ 0.010 χ^2 /NDF: 5322235.3/36

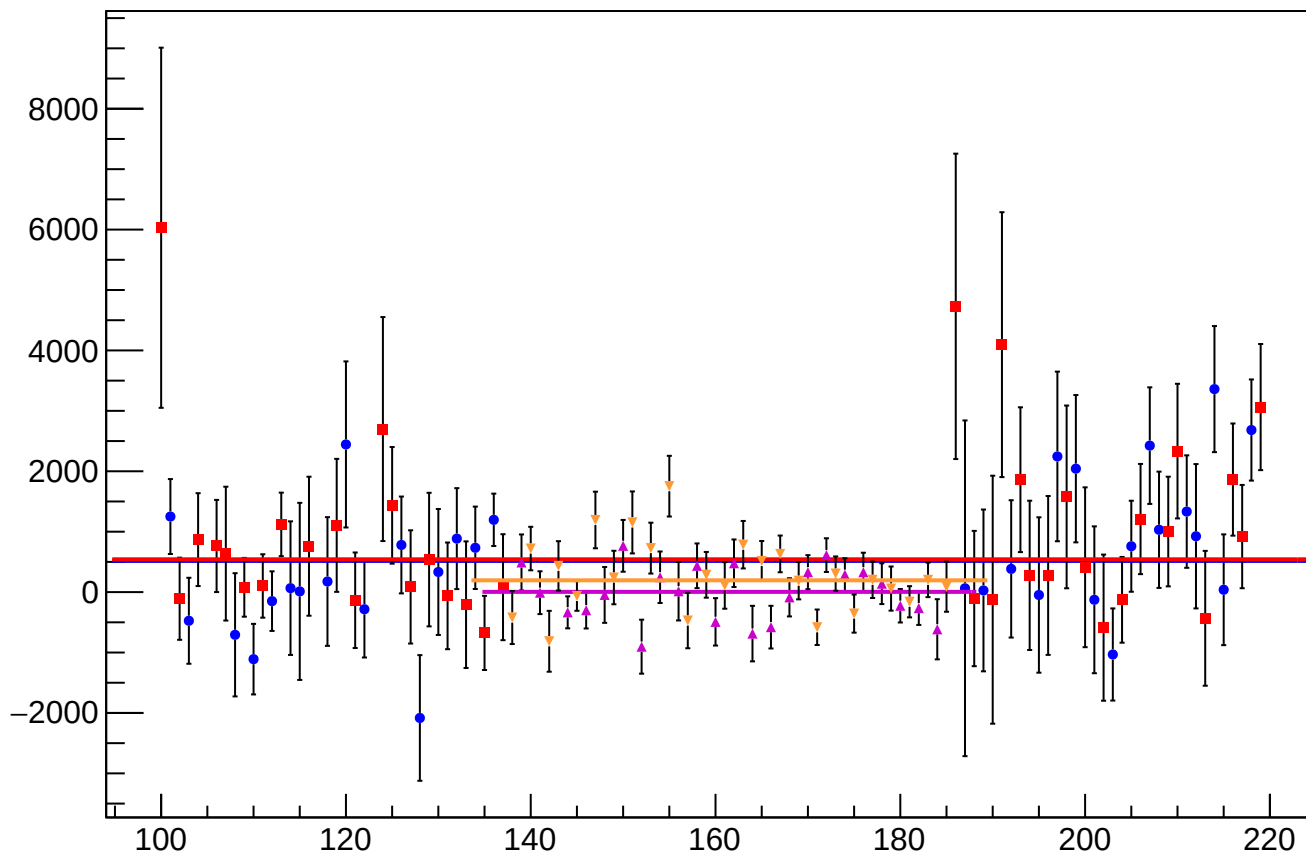
Left In: 39.491 $\pm$ 0.007 χ^2 /NDF: 251801.8/22

+ sign 44.938 $\pm$ 0.005 χ^2 /NDF: 6822128.9/56

All: 45.233 $\pm$ 0.004 χ^2 /NDF: 15096620.7/116

- sign 45.540 $\pm$ 0.005 χ^2 /NDF: 8268191.6/59

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 516.612 $\pm$ 150.578 χ^2 /NDF: 54.3/31

Left Out: 195.029 $\pm$ 70.093 χ^2 /NDF:48.6/24

Right Out: 543.055 $\pm$ 148.885 χ^2 /NDF: 37.6/36

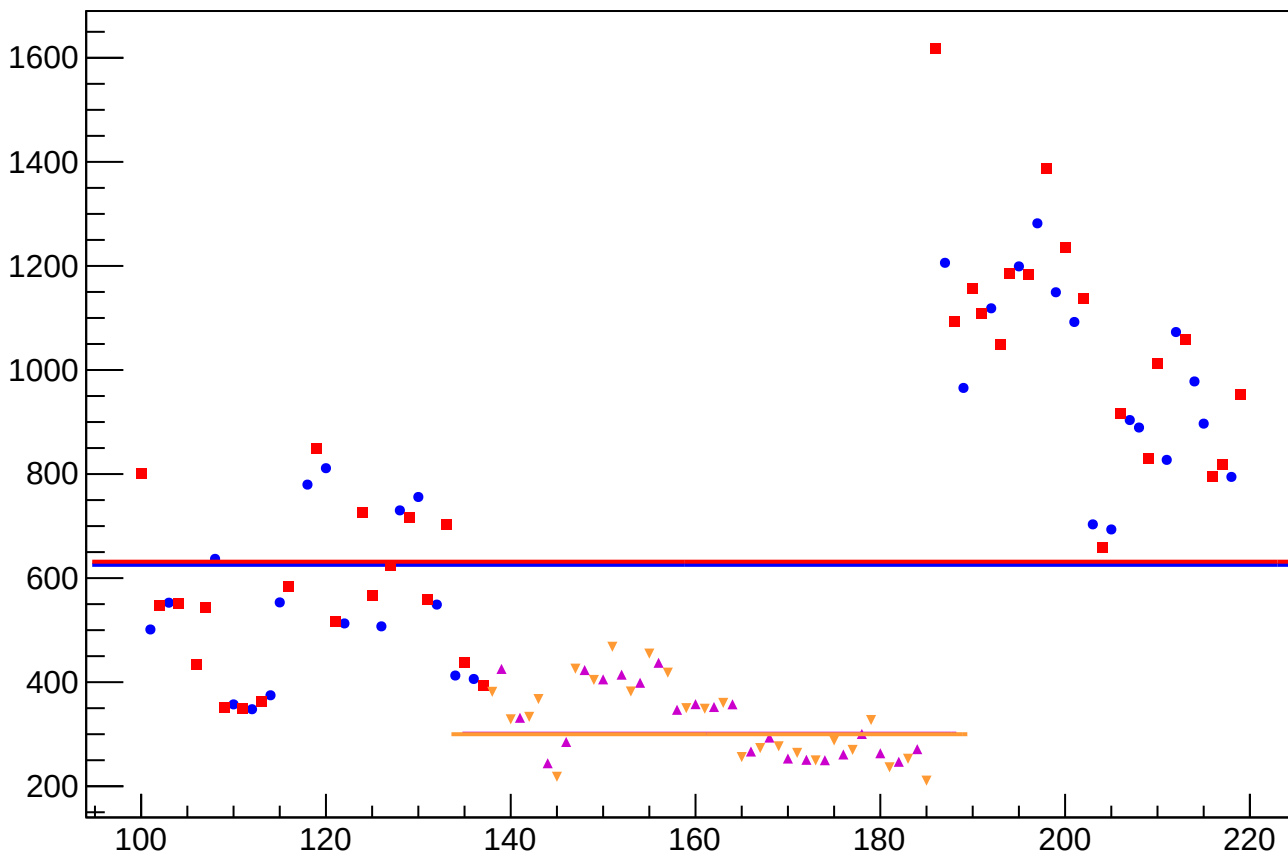
Left In: 4.015 $\pm$ 71.981 χ^2 /NDF:32.4/22

+ sign 252.301 $\pm$ 63.545 χ^2 /NDF: 106.7/56

All: 180.654 $\pm$ 45.372 χ^2 /NDF: 189.8/116

- sign 106.140 $\pm$ 64.805 χ^2 /NDF: 80.6/59

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 625.547 $\pm$ 0.106 χ^2 /NDF: 5507418.0/31

Left Out: 299.976 $\pm$ 0.050 χ^2 /NDF:1808461.5/24

Right Out: 631.584 $\pm$ 0.105 χ^2 /NDF: 6788872.5/36

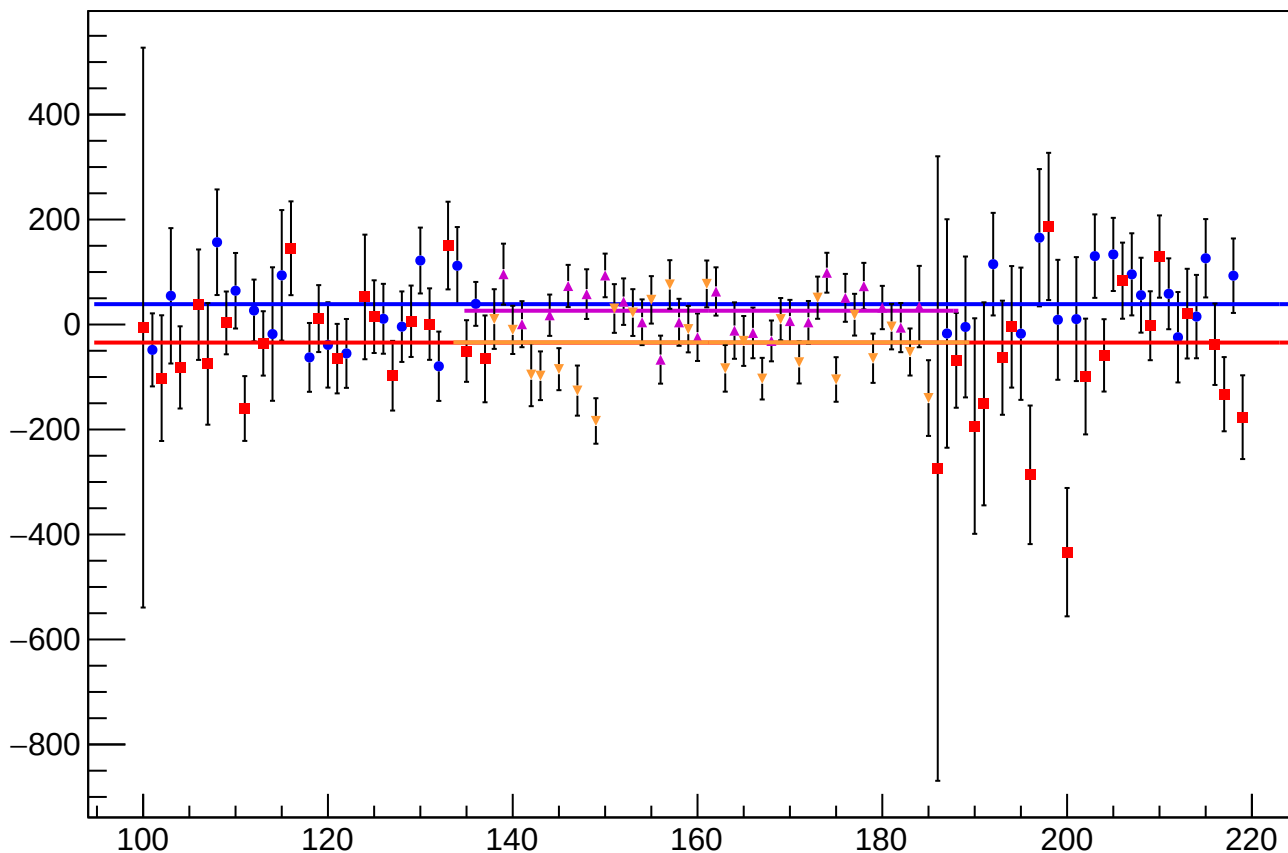
Left In: 301.000 $\pm$ 0.051 χ^2 /NDF:1407198.4/22

+ sign 357.958 $\pm$ 0.045 χ^2 /NDF: 15000470.7/56

All: 360.739 $\pm$ 0.032 χ^2 /NDF: 31196610.3/11

- sign 363.631 $\pm$ 0.046 χ^2 /NDF: 16188326.6/59

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 38.795 ± 13.681 χ^2/NDF : 23.9/31

Left Out: -33.955 ± 8.993 χ^2/NDF : 58.7/24

Right Out: -34.386 ± 13.640 χ^2/NDF : 49.7/36

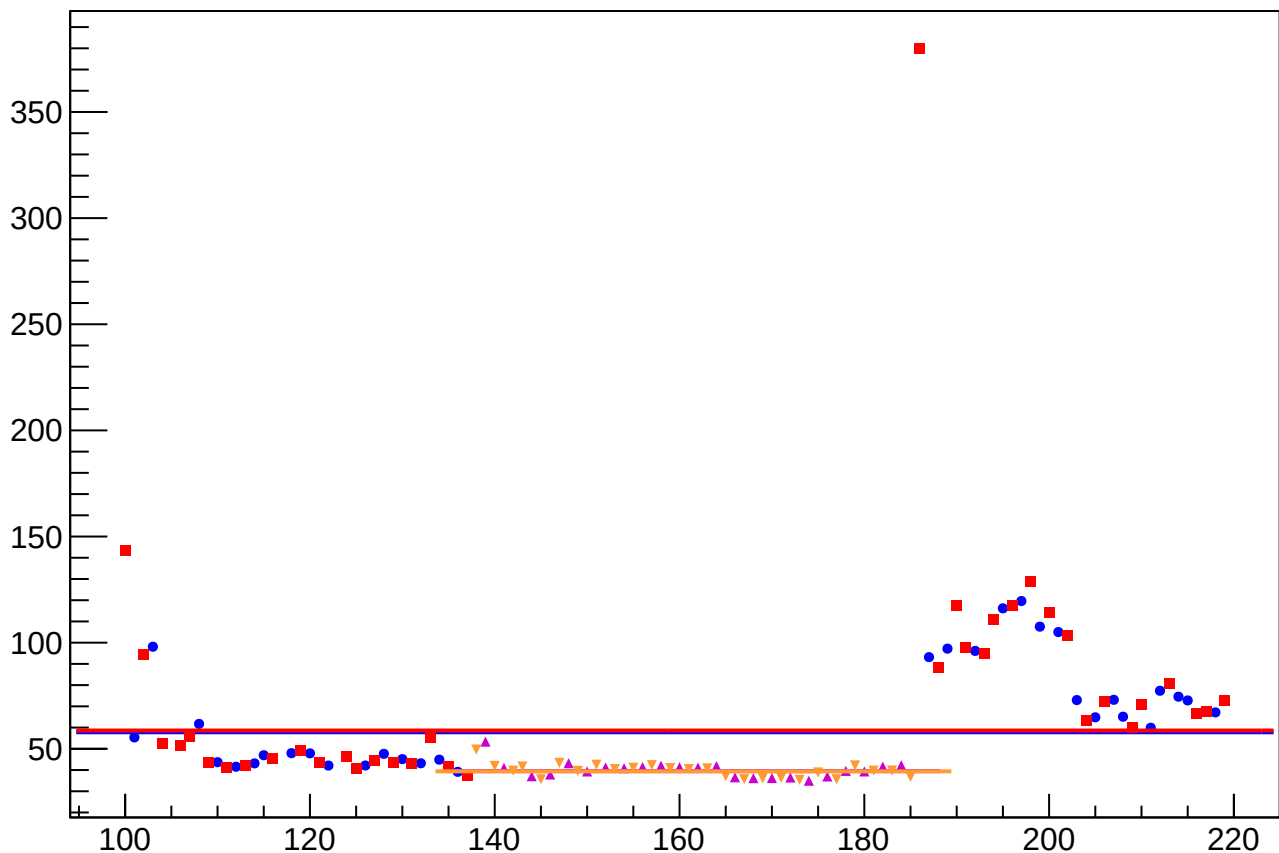
Left In: 26.267 ± 9.271 χ^2/NDF : 22.5/22

+ sign -12.004 ± 7.515 χ^2/NDF : 102.3/56

All: -2.644 ± 5.367 χ^2/NDF : 191.2/116

- sign 7.100 ± 7.668 χ^2/NDF : 85.7/59

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 57.794 $\pm$ 0.010 χ^2 /NDF: 4064246.5/31

Left Out: 39.383 $\pm$ 0.006 χ^2 /NDF: 228799.9/24

Right Out: 58.619 $\pm$ 0.010 χ^2 /NDF: 5324327.0/36

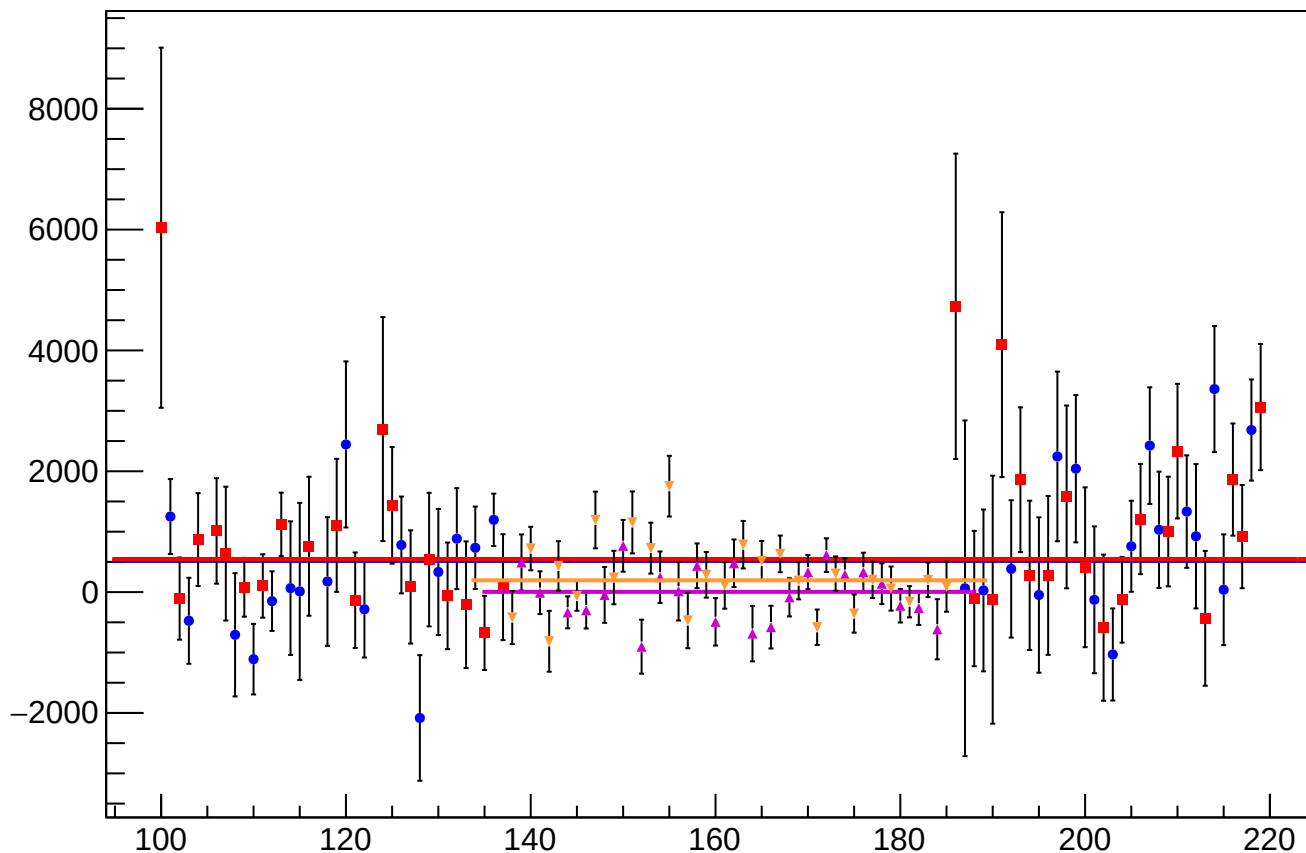
Left In: 39.491 $\pm$ 0.007 χ^2 /NDF: 251801.8/22

+ sign 44.938 $\pm$ 0.005 χ^2 /NDF: 6822131.9/56

All: 45.231 $\pm$ 0.004 χ^2 /NDF: 15094744.6/116

- sign 45.536 $\pm$ 0.005 χ^2 /NDF: 8266410.2/59

asym_sam_15_37_dd_cor_correction_mean vs Slug



Right In: 516.617 ± 150.578 χ^2/NDF : 54.3/31

Left Out: 195.028 ± 70.093 χ^2/NDF : 48.6/24

Right Out: 548.571 ± 149.566 χ^2/NDF : 37.8/36

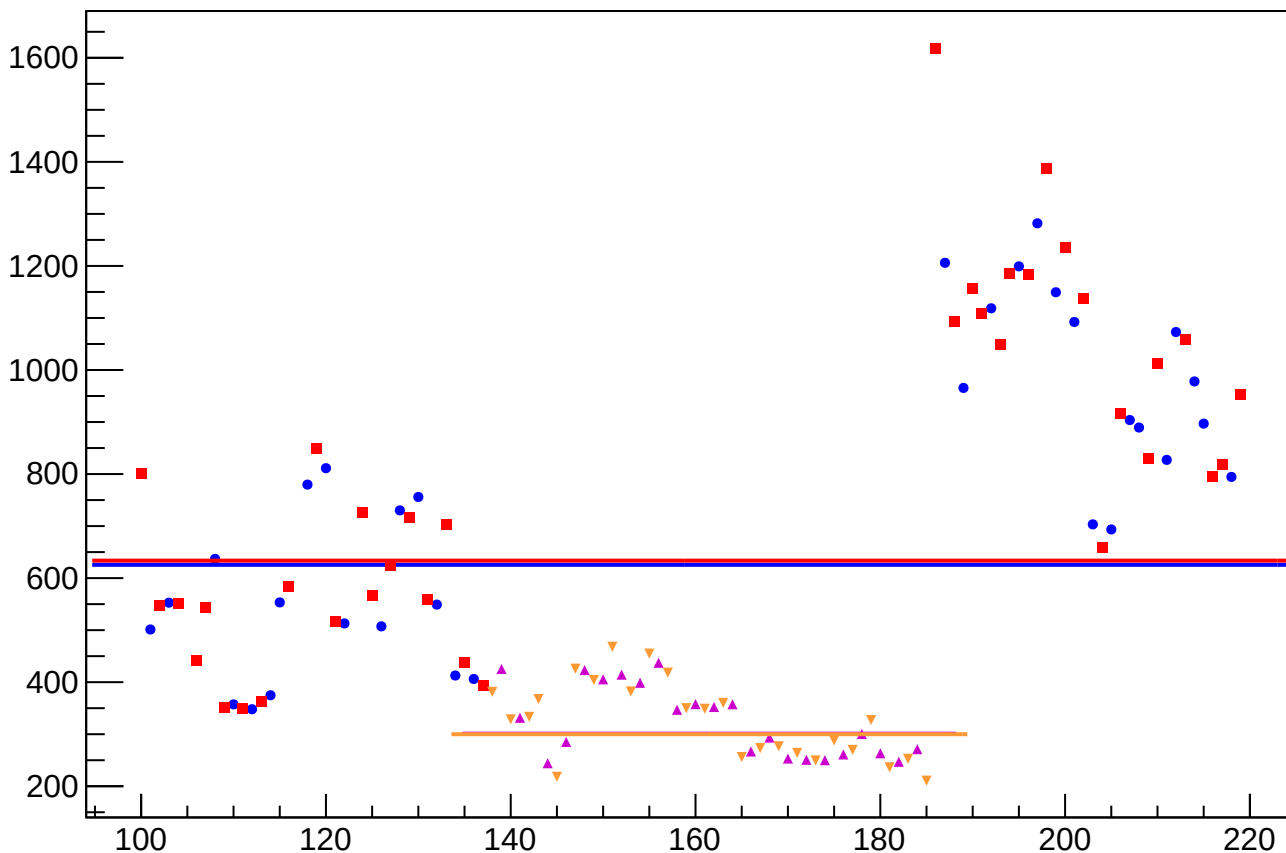
Left In: 4.014 ± 71.981 χ^2/NDF : 32.4/22

+ sign 252.301 ± 63.546 χ^2/NDF : 106.7/56

All: 180.856 ± 45.391 χ^2/NDF : 190.2/116

- sign 106.424 ± 64.860 χ^2/NDF : 80.9/59

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 625.549 $\pm$ 0.106 χ^2 /NDF: 5507393.7/31

Left Out: 299.976 $\pm$ 0.050 χ^2 /NDF: 1808454.4/24

Right Out: 633.619 $\pm$ 0.106 χ^2 /NDF: 6749042.6/36

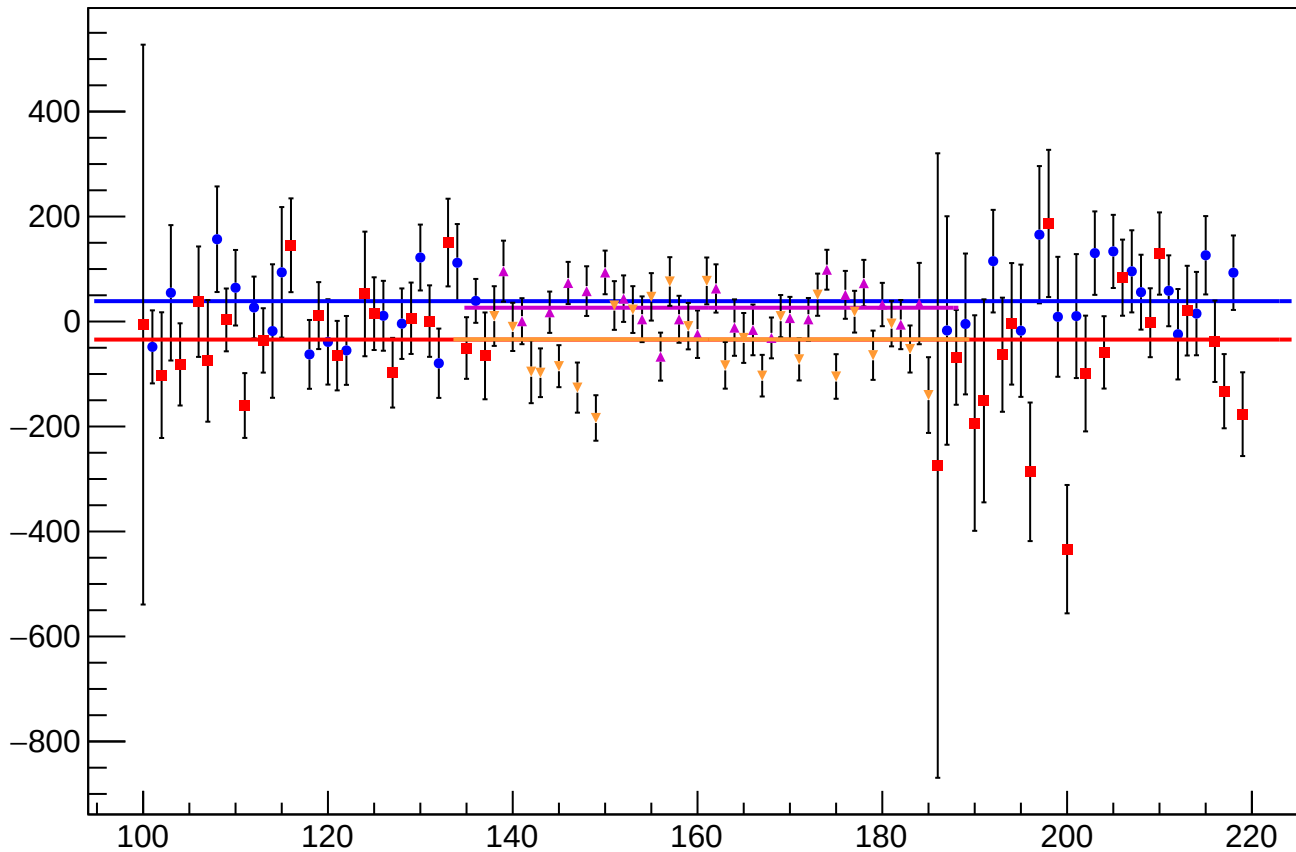
Left In: 300.999 $\pm$ 0.051 χ^2 /NDF: 1407206.0/22

+ sign 357.958 $\pm$ 0.045 χ^2 /NDF: 15000508.5/56

All: 360.698 $\pm$ 0.032 χ^2 /NDF: 31195651.5/11

- sign 363.552 $\pm$ 0.046 χ^2 /NDF: 16187553.8/59

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 38.795 ± 13.681 χ^2/NDF : 23.9/31

Left Out: -33.955 ± 8.993 χ^2/NDF : 58.7/24

Right Out: -34.386 ± 13.640 χ^2/NDF : 49.7/36

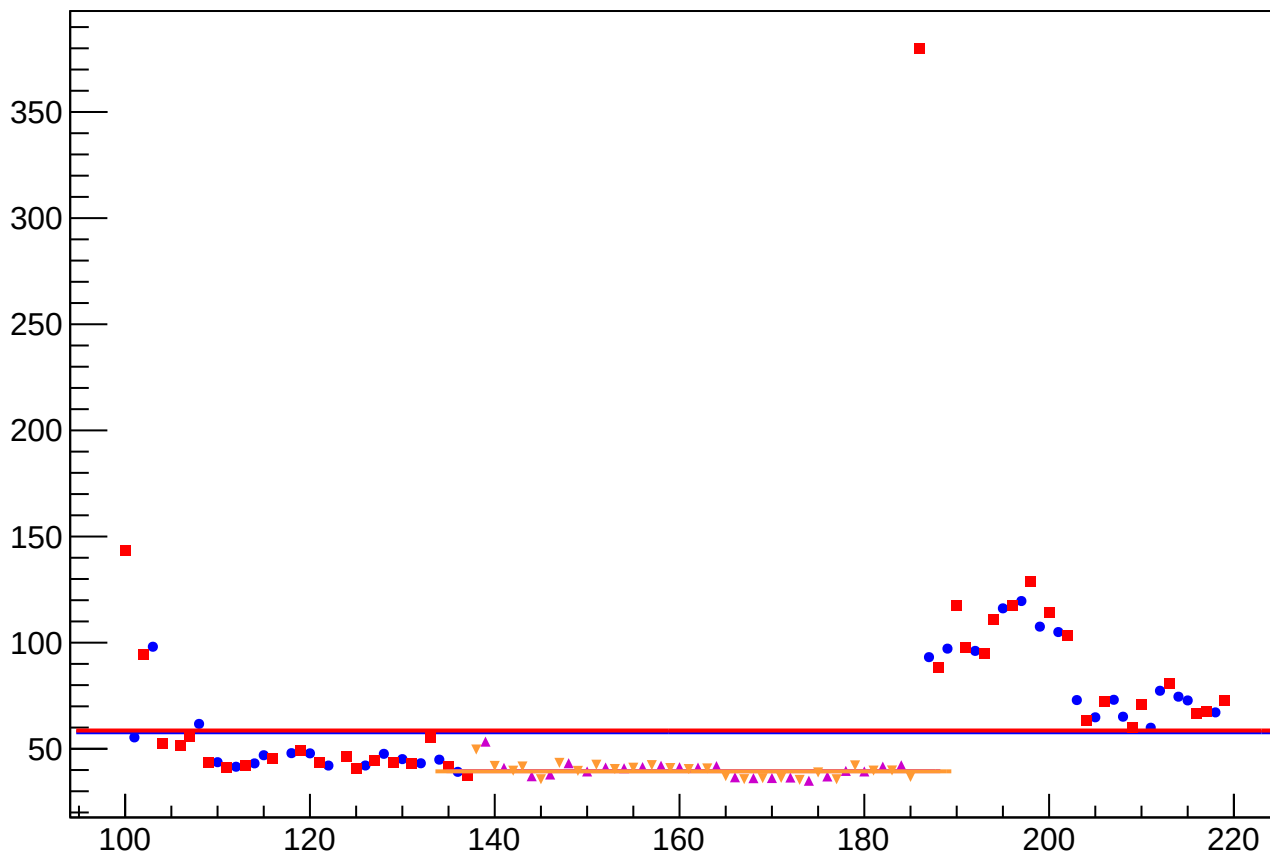
Left In: 26.267 ± 9.271 χ^2/NDF : 22.5/22

+ sign -12.004 ± 7.515 χ^2/NDF : 102.3/56

All: -2.644 ± 5.367 χ^2/NDF : 191.2/116

- sign 7.100 ± 7.668 χ^2/NDF : 85.7/59

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 57.794 $\pm$ 0.010 χ^2 /NDF: 4064246.5/31

Left Out: 39.383 $\pm$ 0.006 χ^2 /NDF: 228799.9/24

Right Out: 58.619 $\pm$ 0.010 χ^2 /NDF: 5324327.0/36

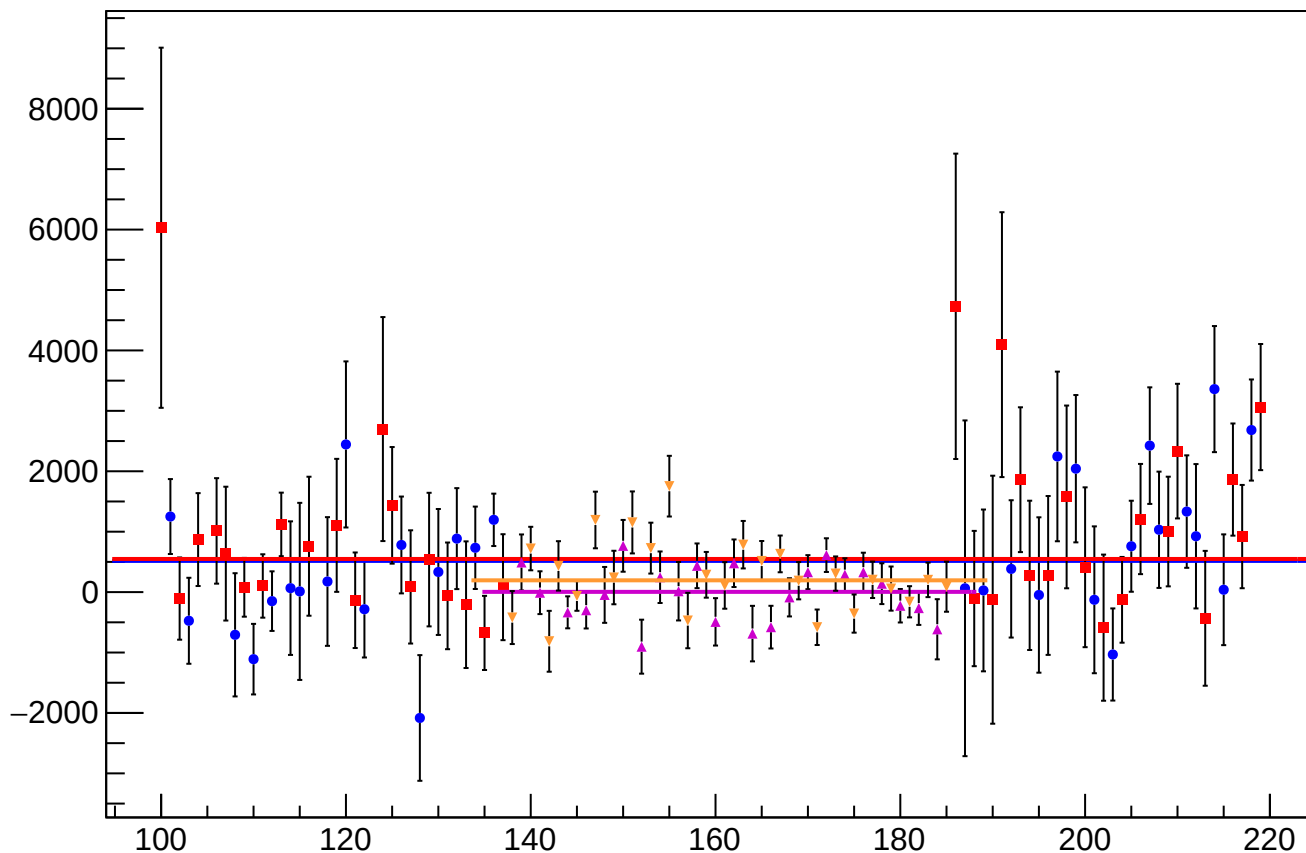
Left In: 39.491 $\pm$ 0.007 χ^2 /NDF: 251801.8/22

+ sign 44.938 $\pm$ 0.005 χ^2 /NDF: 6822131.9/56

All: 45.231 $\pm$ 0.004 χ^2 /NDF: 15094744.6/116

- sign 45.536 $\pm$ 0.005 χ^2 /NDF: 8266410.2/59

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug



Right In: 516.617 ± 150.578 χ^2/NDF : 54.3/31

Left Out: 195.028 ± 70.093 χ^2/NDF : 48.6/24

Right Out: 548.571 ± 149.566 χ^2/NDF : 37.8/36

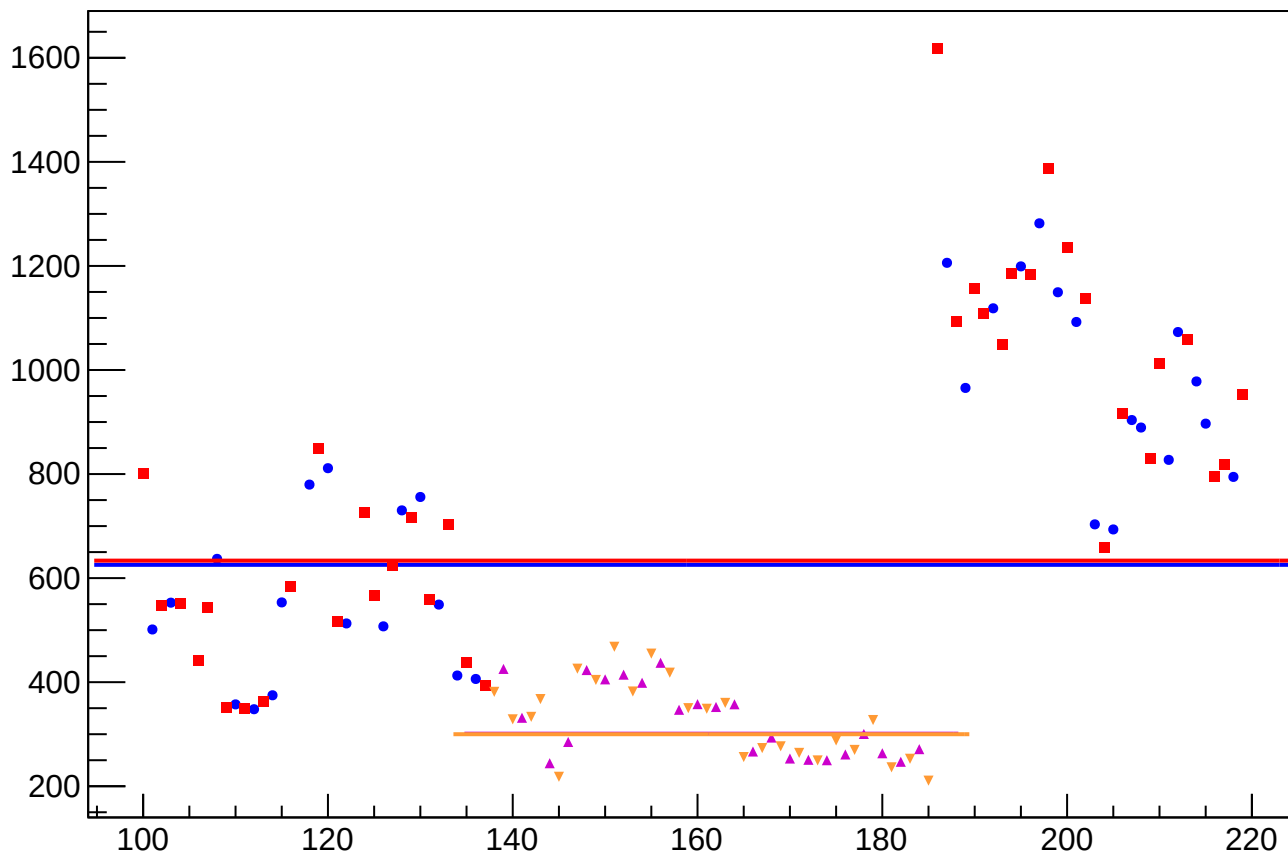
Left In: 4.014 ± 71.981 χ^2/NDF : 32.4/22

+ sign 252.301 ± 63.546 χ^2/NDF : 106.7/56

All: 180.856 ± 45.391 χ^2/NDF : 190.2/116

- sign 106.424 ± 64.860 χ^2/NDF : 80.9/59

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug



Right In: 625.549 $\pm$ 0.106 χ^2 /NDF: 5507393.7/31

Left Out: 299.976 $\pm$ 0.050 χ^2 /NDF: 1808454.4/24

Right Out: 633.619 $\pm$ 0.106 χ^2 /NDF: 6749042.6/36

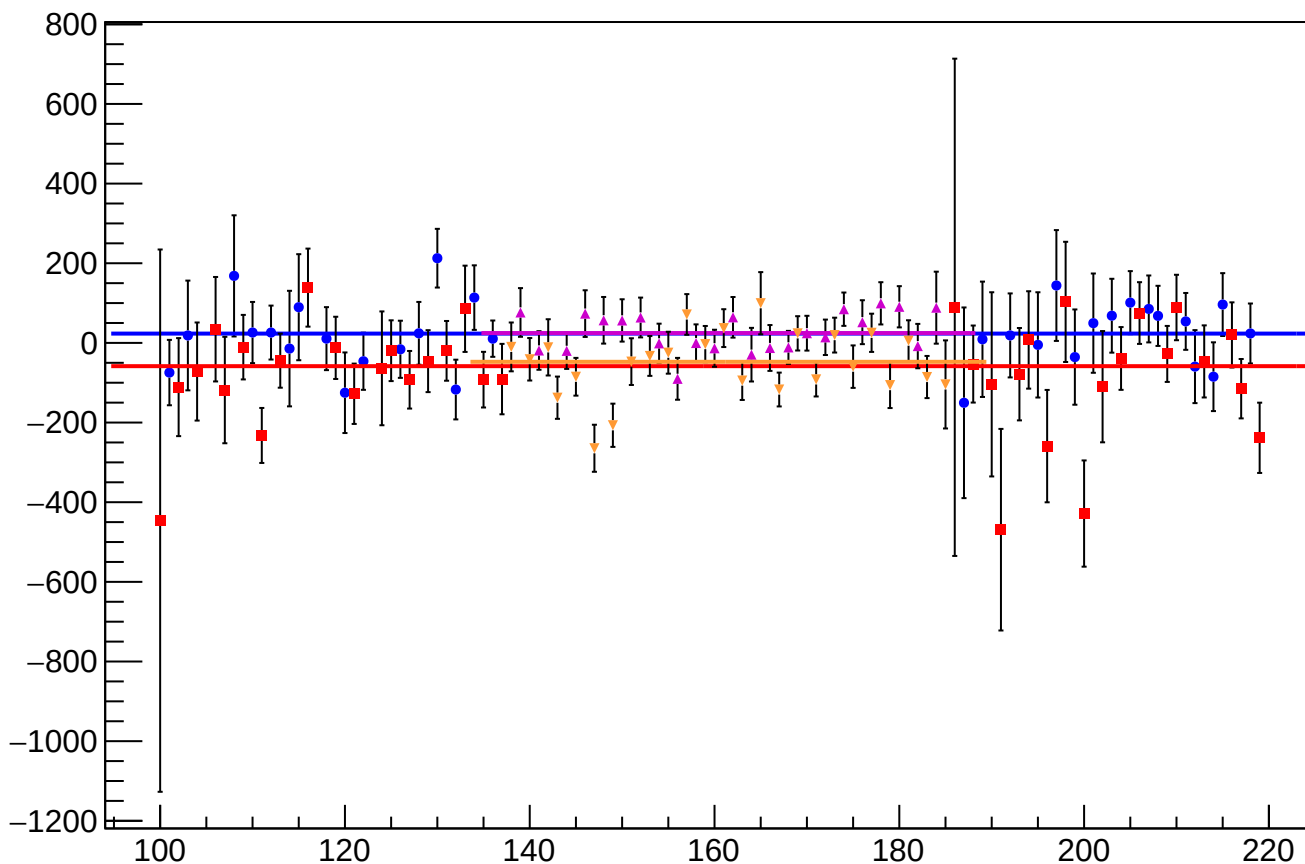
Left In: 300.999 $\pm$ 0.051 χ^2 /NDF: 1407206.0/22

+ sign 357.958 $\pm$ 0.045 χ^2 /NDF: 15000508.5/56

All: 360.698 $\pm$ 0.032 χ^2 /NDF: 31195651.5/11

- sign 363.552 $\pm$ 0.046 χ^2 /NDF: 16187553.8/59

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 23.364 ± 15.221 χ^2/NDF : 24.6/31

Left Out: -47.480 ± 10.392 χ^2/NDF : 54.7/24

Right Out: -58.420 ± 15.454 χ^2/NDF : 42.3/36

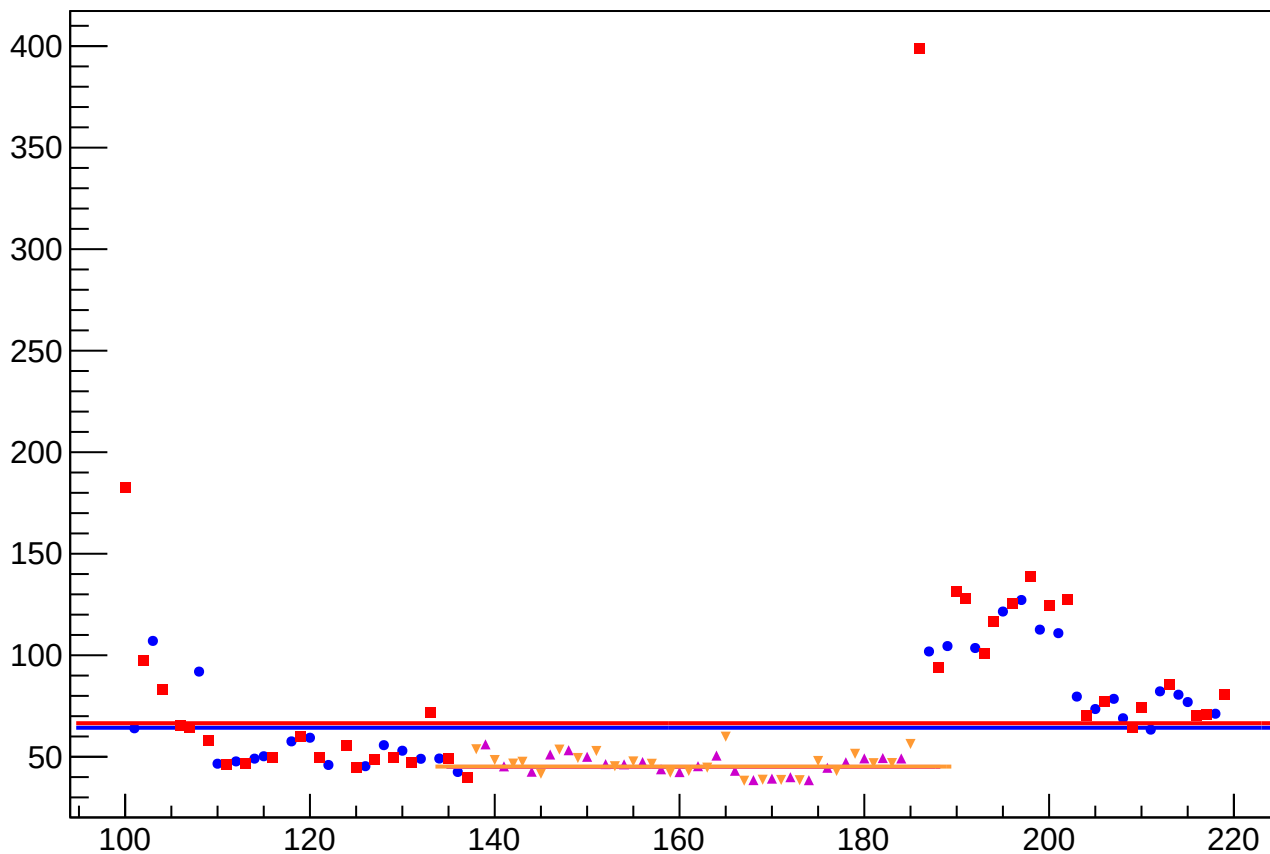
Left In: 24.687 ± 10.660 χ^2/NDF : 19.7/22

+ sign -24.955 ± 8.582 χ^2/NDF : 94.1/56

All: -13.784 ± 6.136 χ^2/NDF : 179.1/116

- sign -2.106 ± 8.775 χ^2/NDF : 81.5/59

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 64.306 ± 0.011 $\chi^2/\text{NDF}: 3732706.5/31$

Left Out: 45.175 ± 0.007 $\chi^2/\text{NDF}: 489860.2/24$

Right Out: 66.535 ± 0.011 $\chi^2/\text{NDF}: 4895241.5/36$

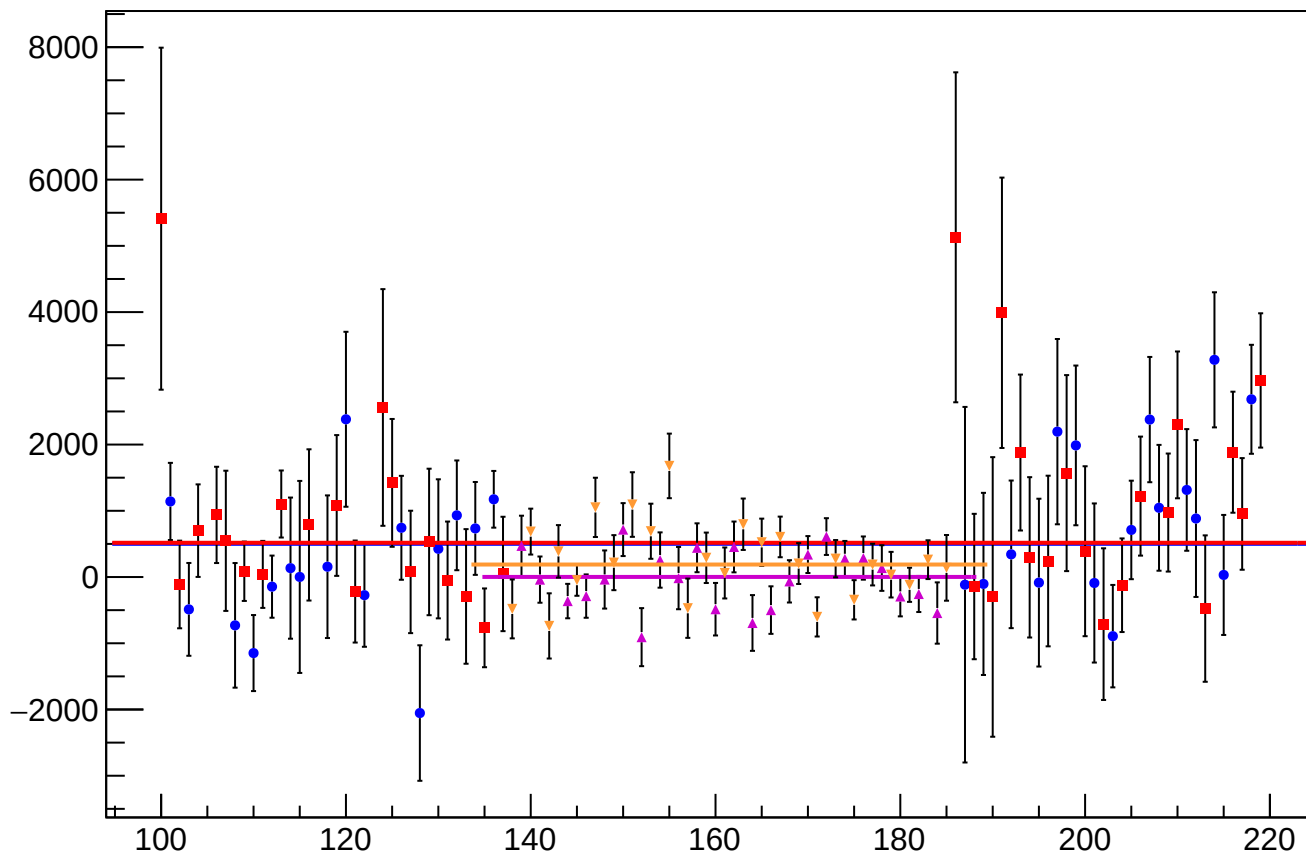
Left In: 45.017 ± 0.008 $\chi^2/\text{NDF}: 372690.8/22$

+ sign 51.257 ± 0.006 $\chi^2/\text{NDF}: 6377483.7/56$

All: 51.598 ± 0.004 $\chi^2/\text{NDF}: 14279225.8/116$

- sign 51.955 ± 0.006 $\chi^2/\text{NDF}: 7895288.9/59$

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 501.703 $\pm$ 147.734 χ^2 /NDF: 54.5/31

Left Out: 188.812 $\pm$ 69.714 χ^2 /NDF: 46.8/24

Right Out: 517.048 $\pm$ 144.080 χ^2 /NDF: 41.1/36

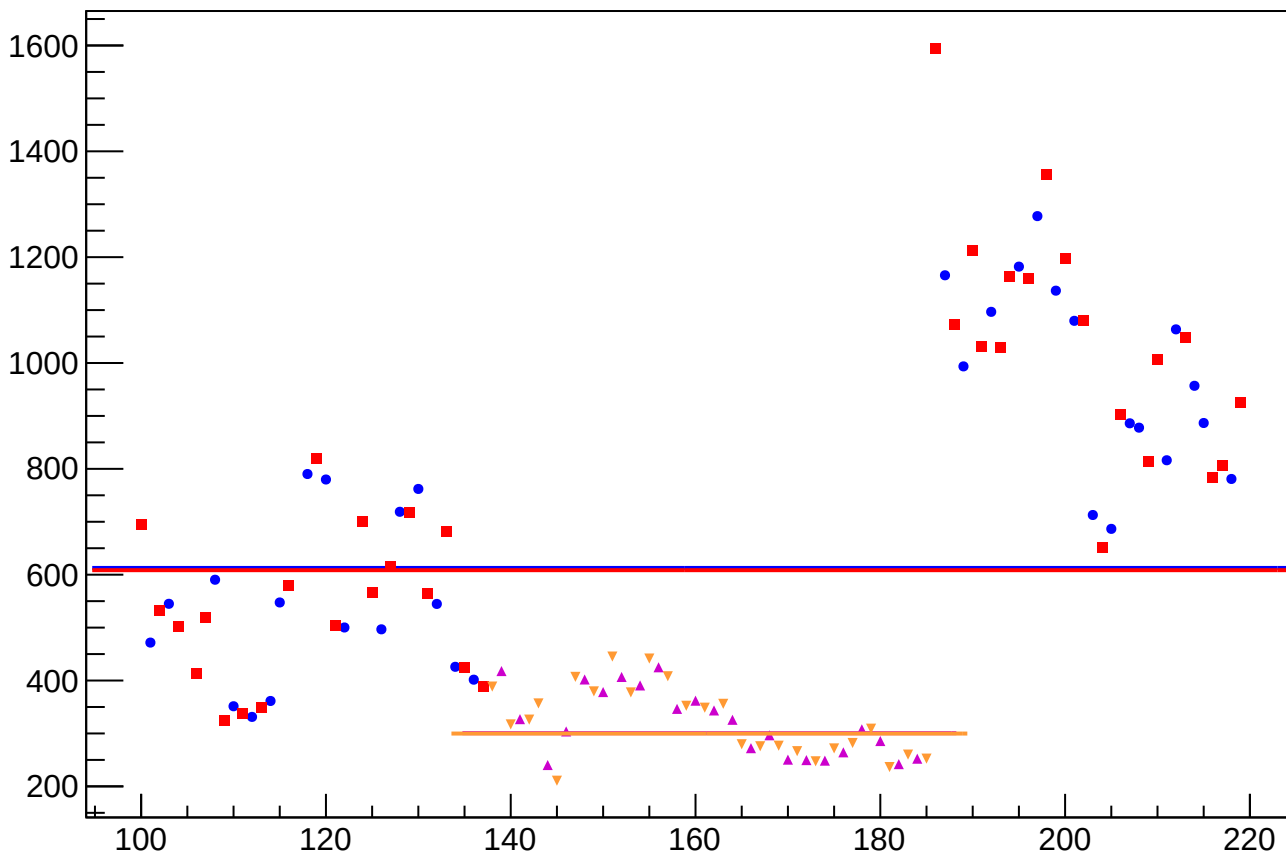
Left In: 1.655 $\pm$ 71.712 χ^2 /NDF: 32.2/22

+ sign 245.797 $\pm$ 63.047 χ^2 /NDF: 104.9/56

All: 176.175 $\pm$ 44.983 χ^2 /NDF: 191.0/116

- sign 103.983 $\pm$ 64.200 χ^2 /NDF: 83.6/59

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 612.748 $\pm$ 0.104 χ^2 /NDF: 5672071.5/31

Left Out: 299.798 $\pm$ 0.049 χ^2 /NDF:1577420.4/24

Right Out: 608.525 $\pm$ 0.102 χ^2 /NDF: 7131841.3/36

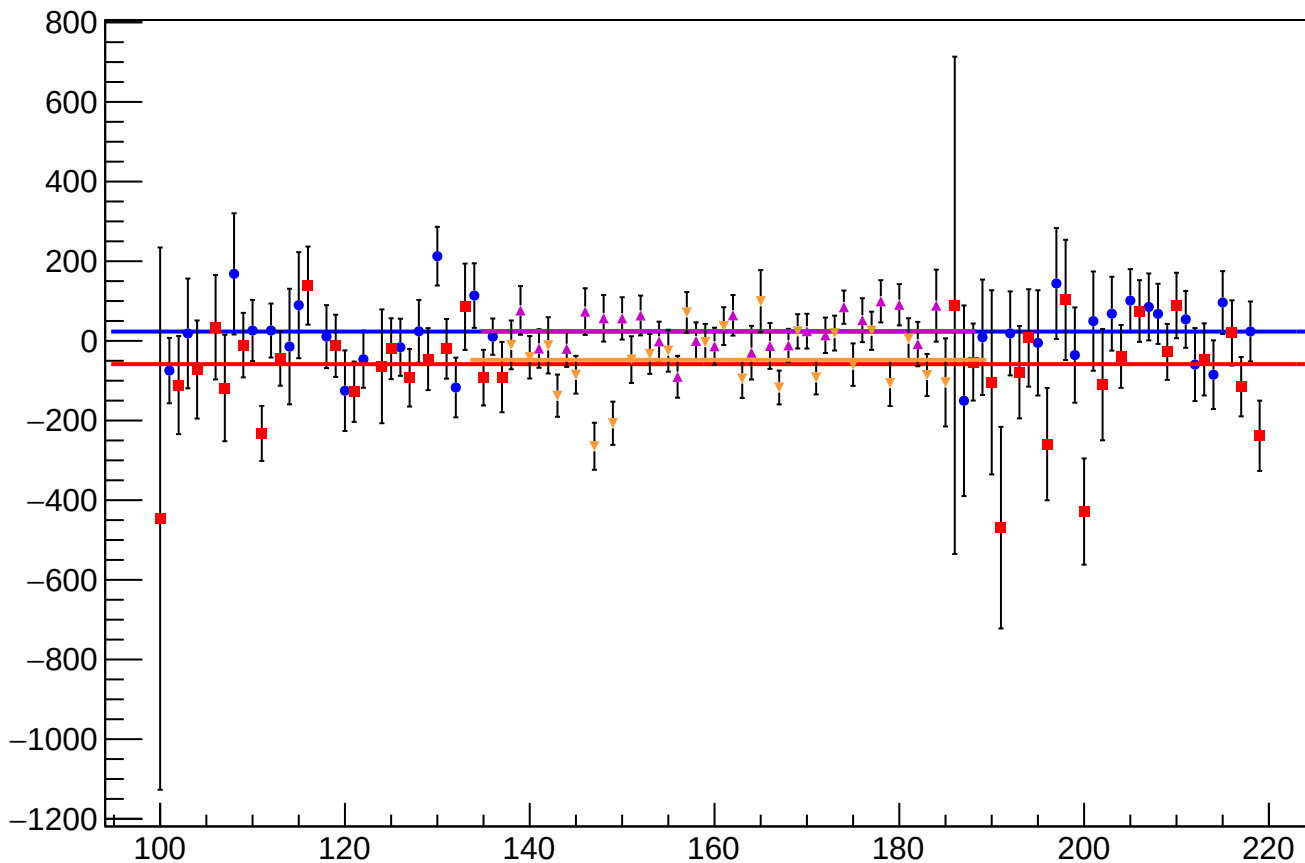
Left In: 300.544 $\pm$ 0.051 χ^2 /NDF:1259270.5/22

+ sign 356.794 $\pm$ 0.045 χ^2 /NDF: 14589683.4/56

All: 359.198 $\pm$ 0.032 χ^2 /NDF: 30310736.0/1

- sign 361.692 $\pm$ 0.045 χ^2 /NDF: 15715125.1/59

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 23.364 $\pm$ 15.221 χ^2 /NDF: 24.6/31

Left Out: -47.480 $\pm$ 10.392 χ^2 /NDF: 54.7/24

Right Out: -58.421 $\pm$ 15.454 χ^2 /NDF: 42.3/36

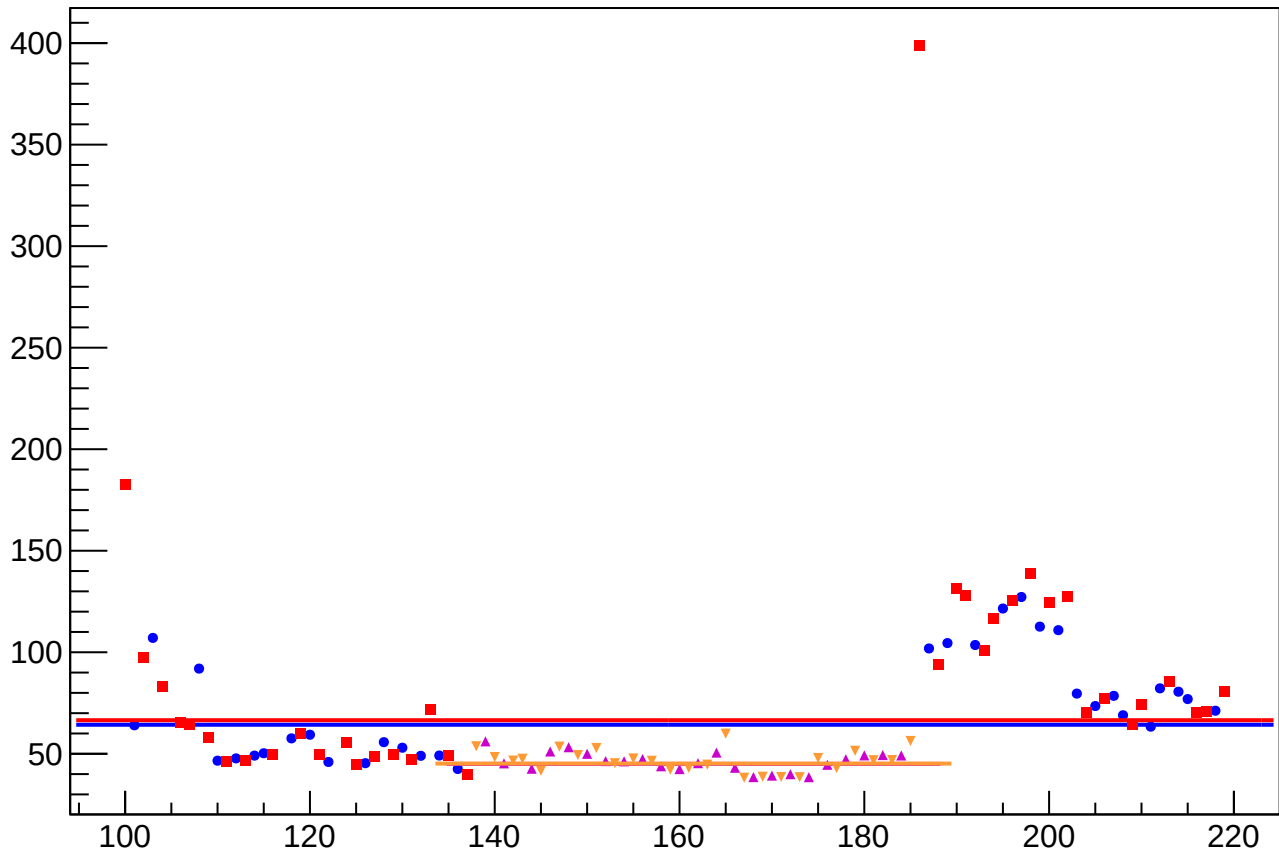
Left In: 24.687 $\pm$ 10.660 χ^2 /NDF: 19.7/22

+ sign -24.956 $\pm$ 8.582 χ^2 /NDF: 94.1/56

All: -13.784 $\pm$ 6.136 χ^2 /NDF: 179.1/116

- sign -2.106 $\pm$ 8.775 χ^2 /NDF: 81.5/59

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 64.306 ± 0.011 $\chi^2/\text{NDF}: 3732710.1/31$

Left Out: 45.175 ± 0.007 $\chi^2/\text{NDF}: 489860.2/24$

Right Out: 66.535 ± 0.011 $\chi^2/\text{NDF}: 4895242.7/36$

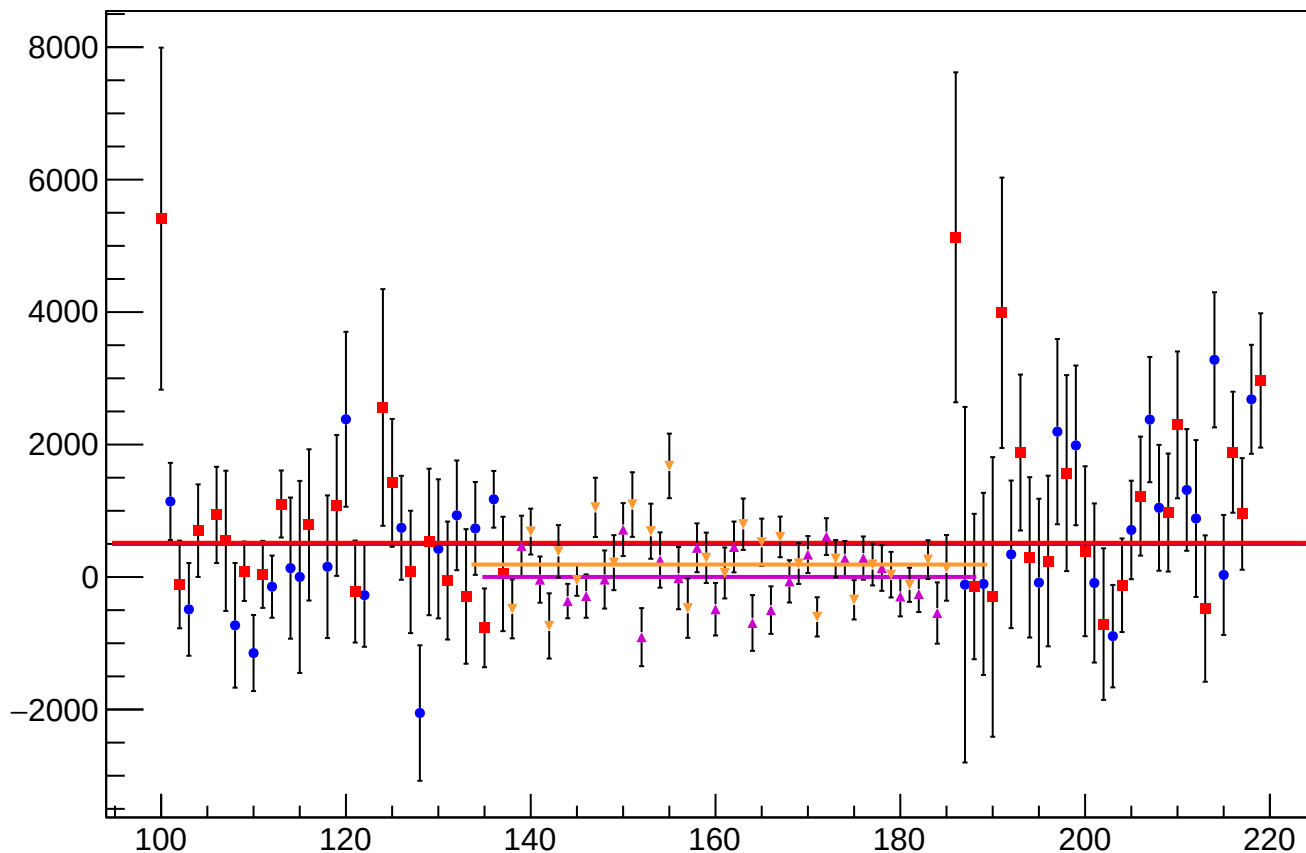
Left In: 45.017 ± 0.008 $\chi^2/\text{NDF}: 372691.9/22$

+ sign 51.257 ± 0.006 $\chi^2/\text{NDF}: 6377485.9/56$

All: 51.598 ± 0.004 $\chi^2/\text{NDF}: 14279226.4/116$

- sign 51.955 ± 0.006 $\chi^2/\text{NDF}: 7895286.6/59$

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug



Right In: 501.701 $\pm$ 147.733 χ^2 /NDF: 54.5/31

Left Out: 188.813 $\pm$ 69.714 χ^2 /NDF: 46.8/24

Right Out: 517.048 $\pm$ 144.080 χ^2 /NDF: 41.1/36

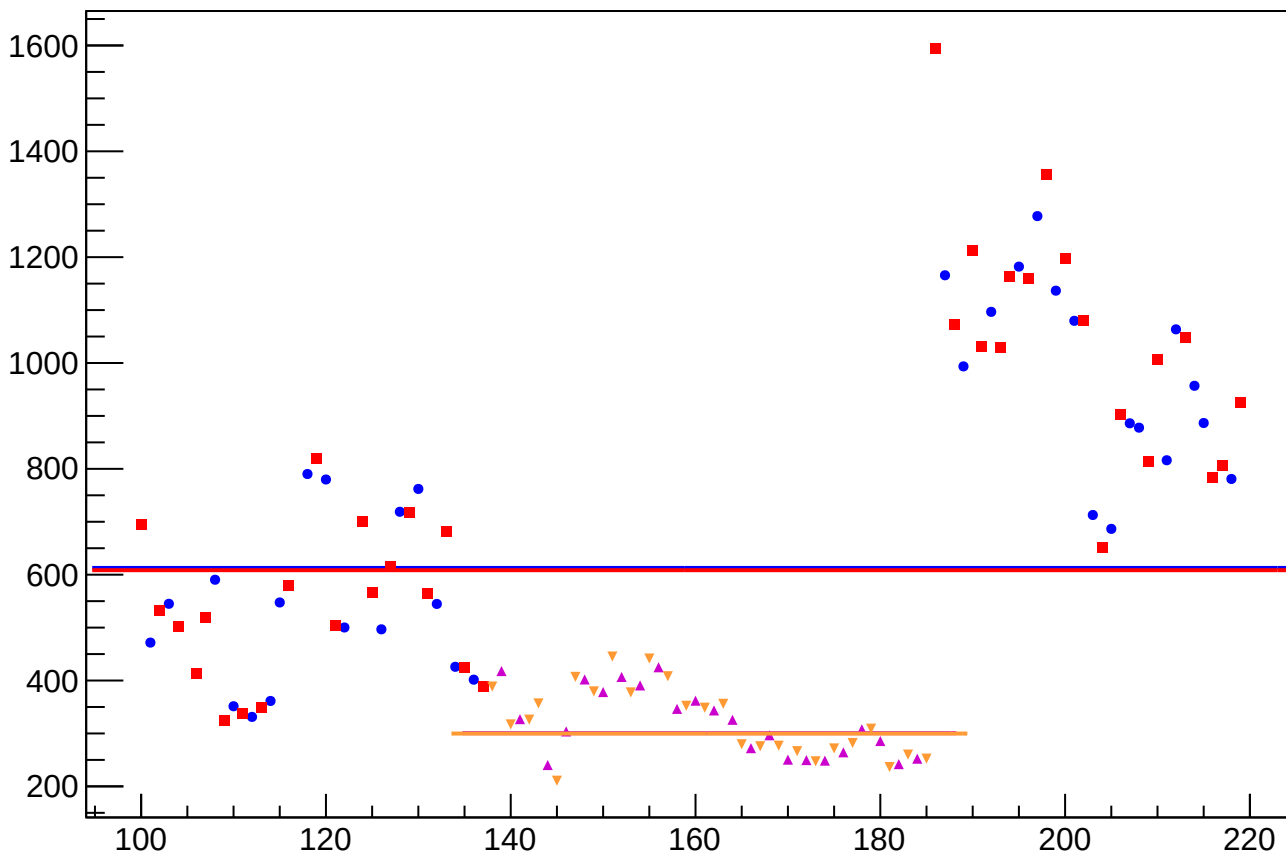
Left In: 1.654 $\pm$ 71.712 χ^2 /NDF: 32.2/22

+ sign 245.797 $\pm$ 63.047 χ^2 /NDF: 104.9/56

All: 176.175 $\pm$ 44.983 χ^2 /NDF: 191.0/116

- sign 103.983 $\pm$ 64.200 χ^2 /NDF: 83.6/59

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 612.747 $\pm$ 0.104 χ^2 /NDF: 5672092.9/31

Left Out: 299.798 $\pm$ 0.049 χ^2 /NDF:1577421.4/24

Right Out: 608.524 $\pm$ 0.102 χ^2 /NDF: 7131858.8/36

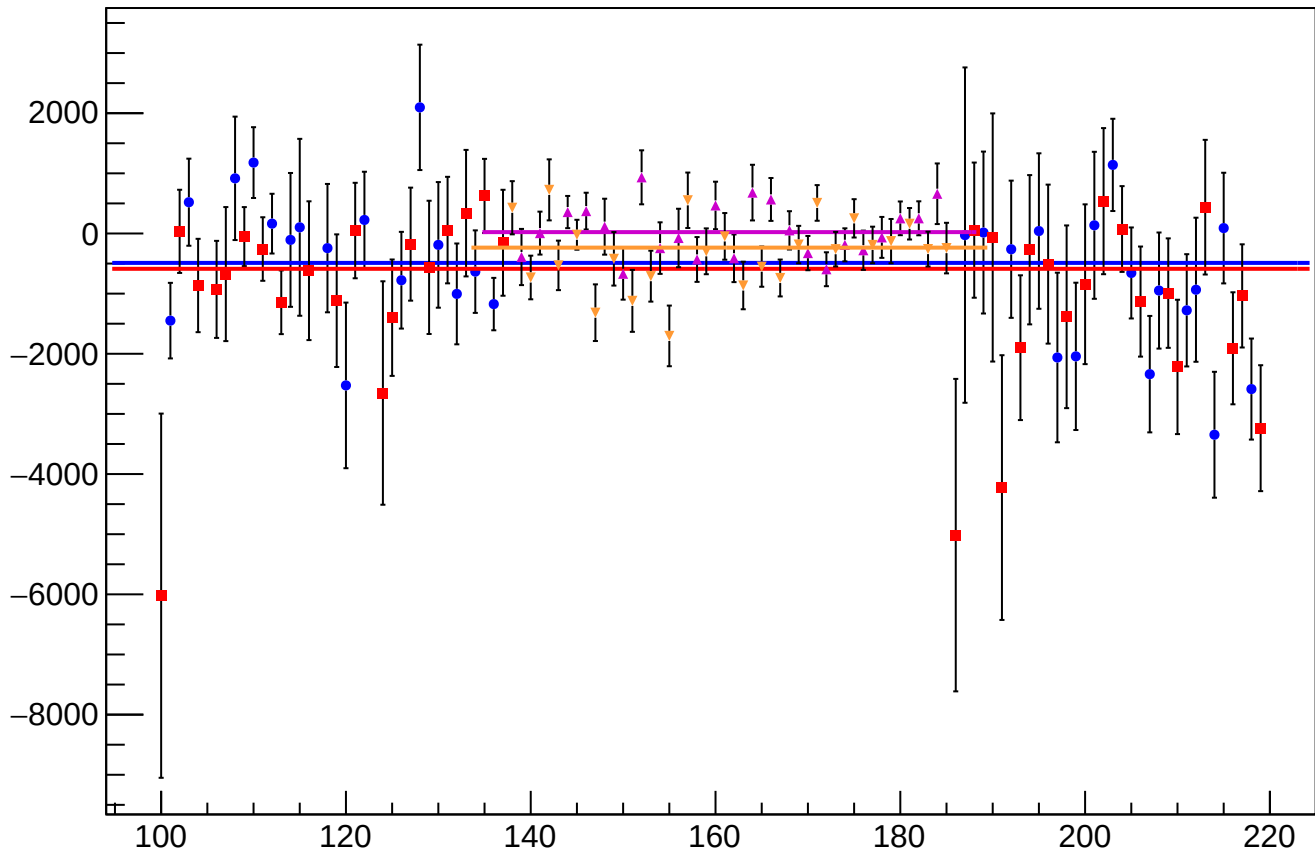
Left In: 300.544 $\pm$ 0.051 χ^2 /NDF:1259265.2/22

+ sign 356.794 $\pm$ 0.045 χ^2 /NDF: 14589669.3/56

All: 359.199 $\pm$ 0.032 χ^2 /NDF: 30310685.7/1

- sign 361.693 $\pm$ 0.045 χ^2 /NDF: 15715088.4/59

asym_sam_15_37_dd_mean vs Slug



Right In: -489.077 $\pm$ 151.456 χ^2/NDF : 55.4/31

Left Out: -235.168 $\pm$ 70.741 χ^2/NDF : 47.5/24

Right Out: -587.327 $\pm$ 150.019 χ^2/NDF : 37.0/36

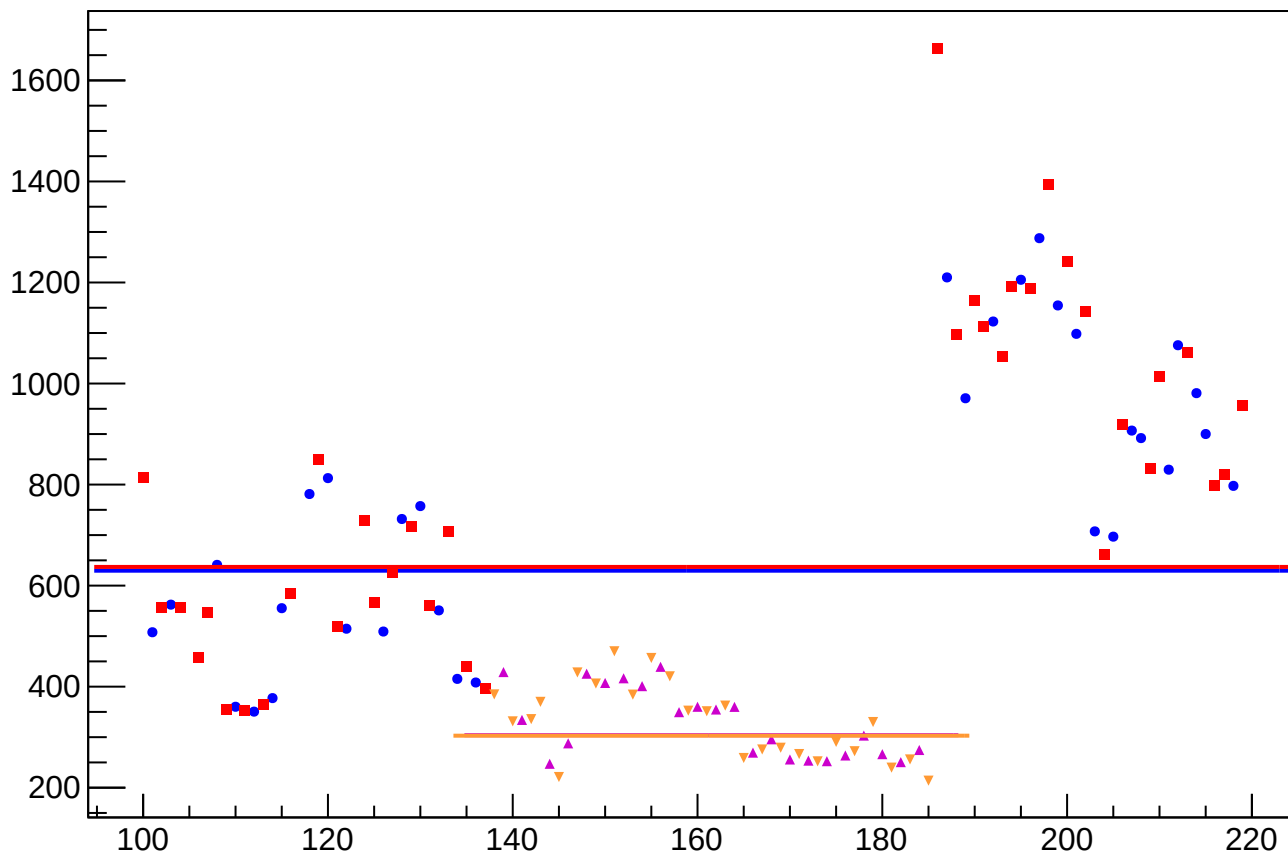
Left In: 22.662 $\pm$ 72.642 χ^2/NDF : 29.9/22

+ sign -280.640 $\pm$ 64.094 χ^2/NDF : 105.1/56

All: -188.780 $\pm$ 45.770 χ^2/NDF : 189.5/116

- sign -93.196 $\pm$ 65.381 χ^2/NDF : 80.2/59

asym_sam_15_37_dd_rms vs Slug



Right In: 629.537 $\pm$ 0.107 χ^2 /NDF: 5470284.3/31

Left Out: 302.944 $\pm$ 0.050 χ^2 /NDF:1766061.8/24

Right Out: 636.984 $\pm$ 0.106 χ^2 /NDF: 6718371.6/36

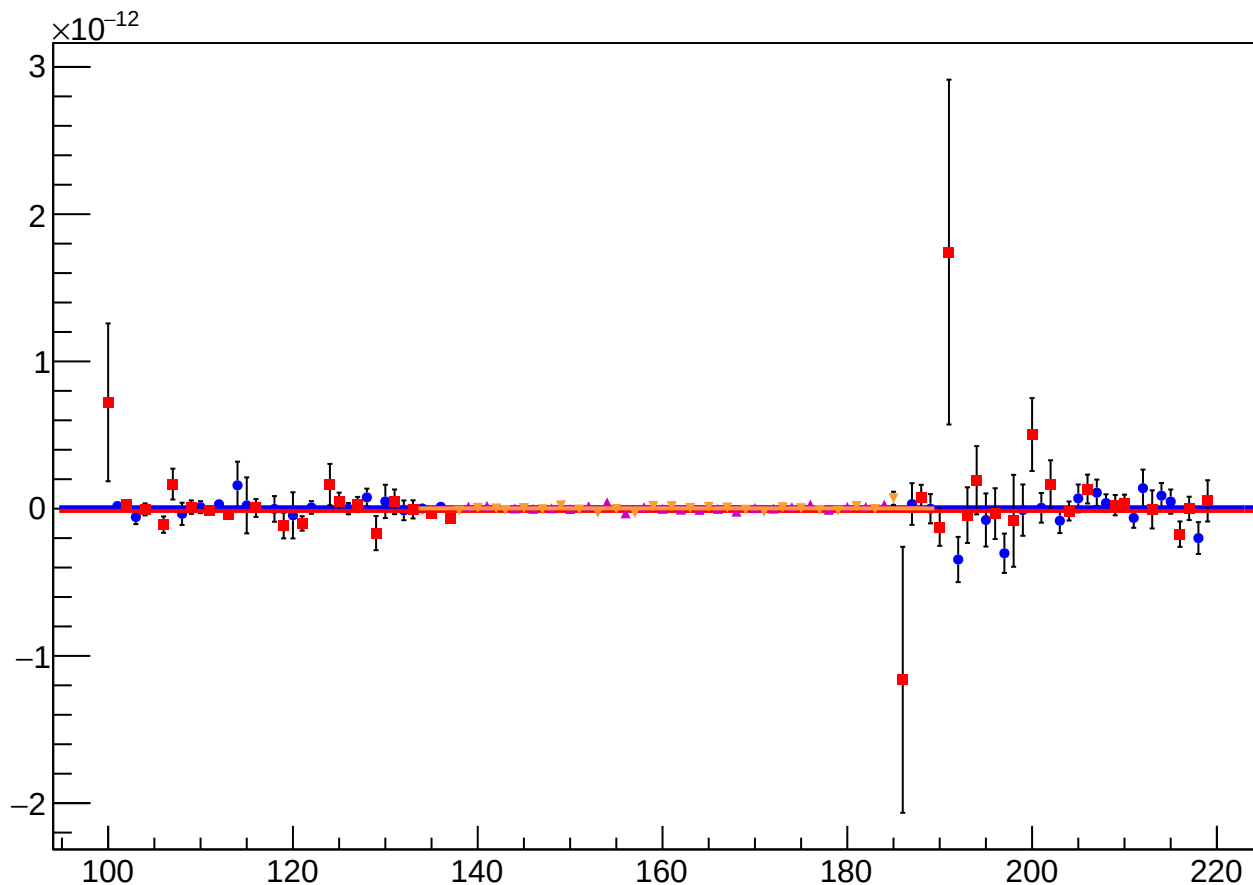
Left In: 303.923 $\pm$ 0.051 χ^2 /NDF:1376278.3/22

+ sign 361.433 $\pm$ 0.045 χ^2 /NDF: 14870619.2/56

All: 364.251 $\pm$ 0.032 χ^2 /NDF: 30958748.3/1

- sign 367.183 $\pm$ 0.046 χ^2 /NDF: 16080239.1/59

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 26.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 22.9/24

Right Out: -0.000+/-0.000 χ^2/NDF : 43.3/36

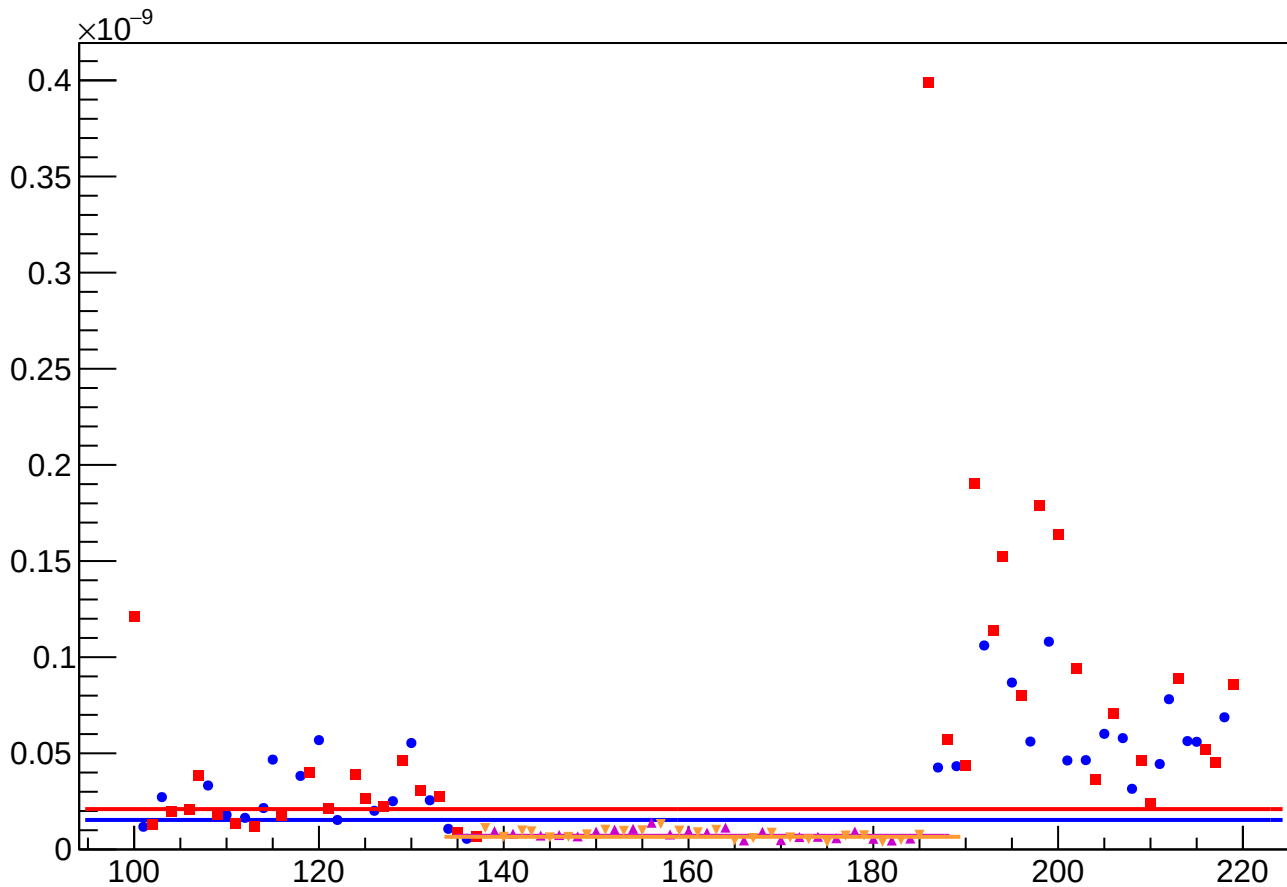
Left In: 0.000+/-0.000 χ^2/NDF : 18.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 50.4/56

All: 0.000+/-0.000 χ^2/NDF : 116.8/116

- sign 0.000+/-0.000 χ^2/NDF : 66.2/59

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8446172.6/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :1479029.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 7801747.6/36

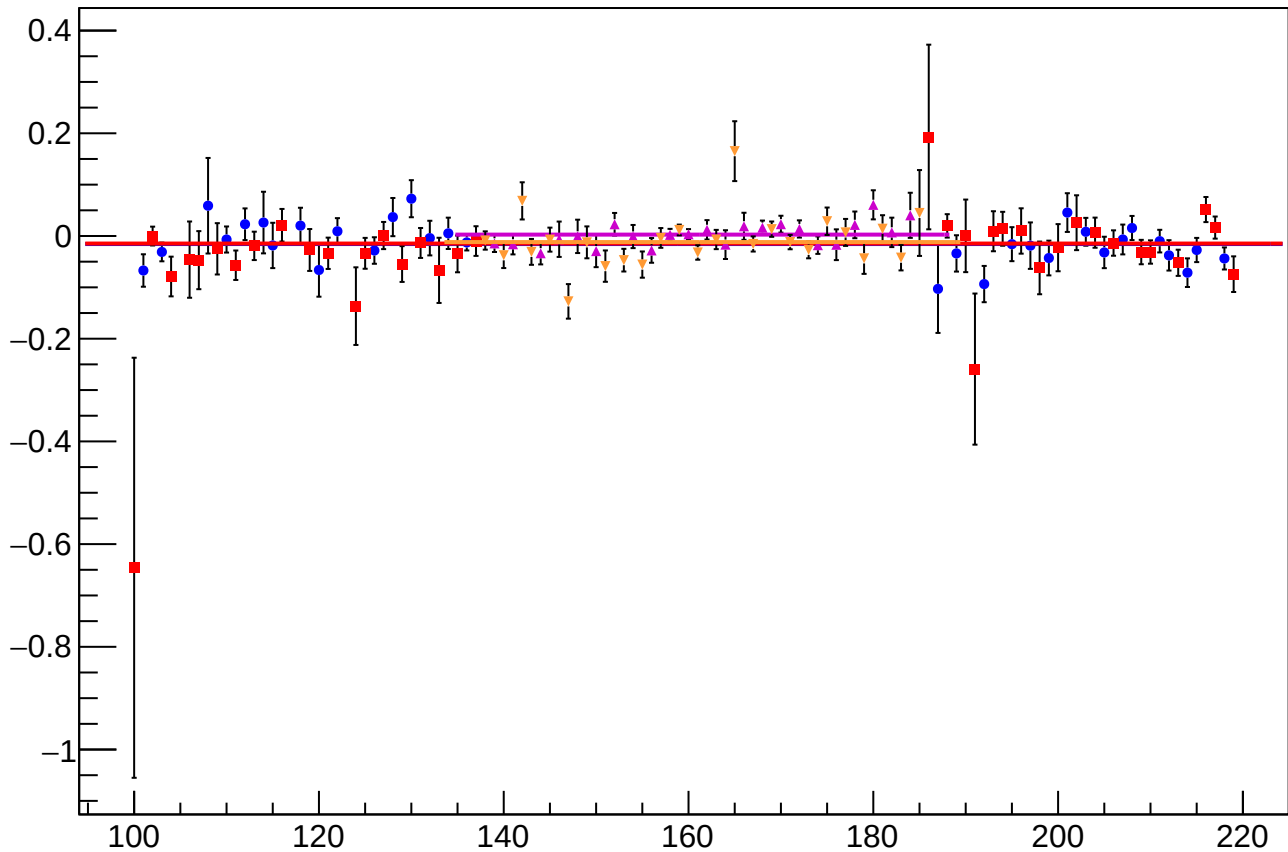
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :981529.7/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 12312423.9/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 25111354.1/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 12721572.8/59

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.005 χ^2/NDF : 36.9/31

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.015 ± 0.005 χ^2/NDF : 41.3/36

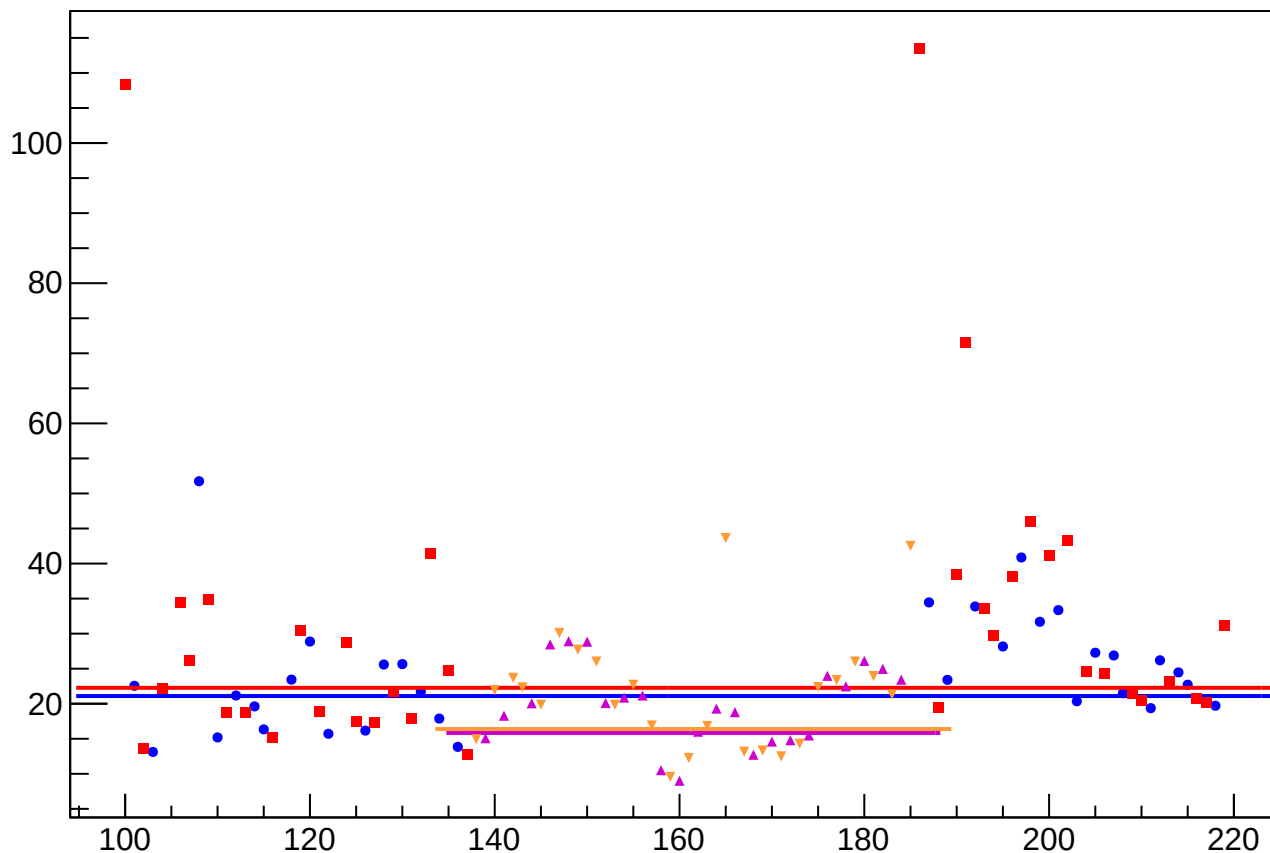
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.013 ± 0.003 χ^2/NDF : 90.7/56

All: -0.009 ± 0.002 χ^2/NDF : 163.1/116

- sign -0.004 ± 0.003 χ^2/NDF : 67.8/59

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.097 ± 0.004 χ^2/NDF : 2949221.0/31

Left Out: 16.387 ± 0.003 χ^2/NDF : 4030028.3/24

Right Out: 22.273 ± 0.004 χ^2/NDF : 4272098.7/36

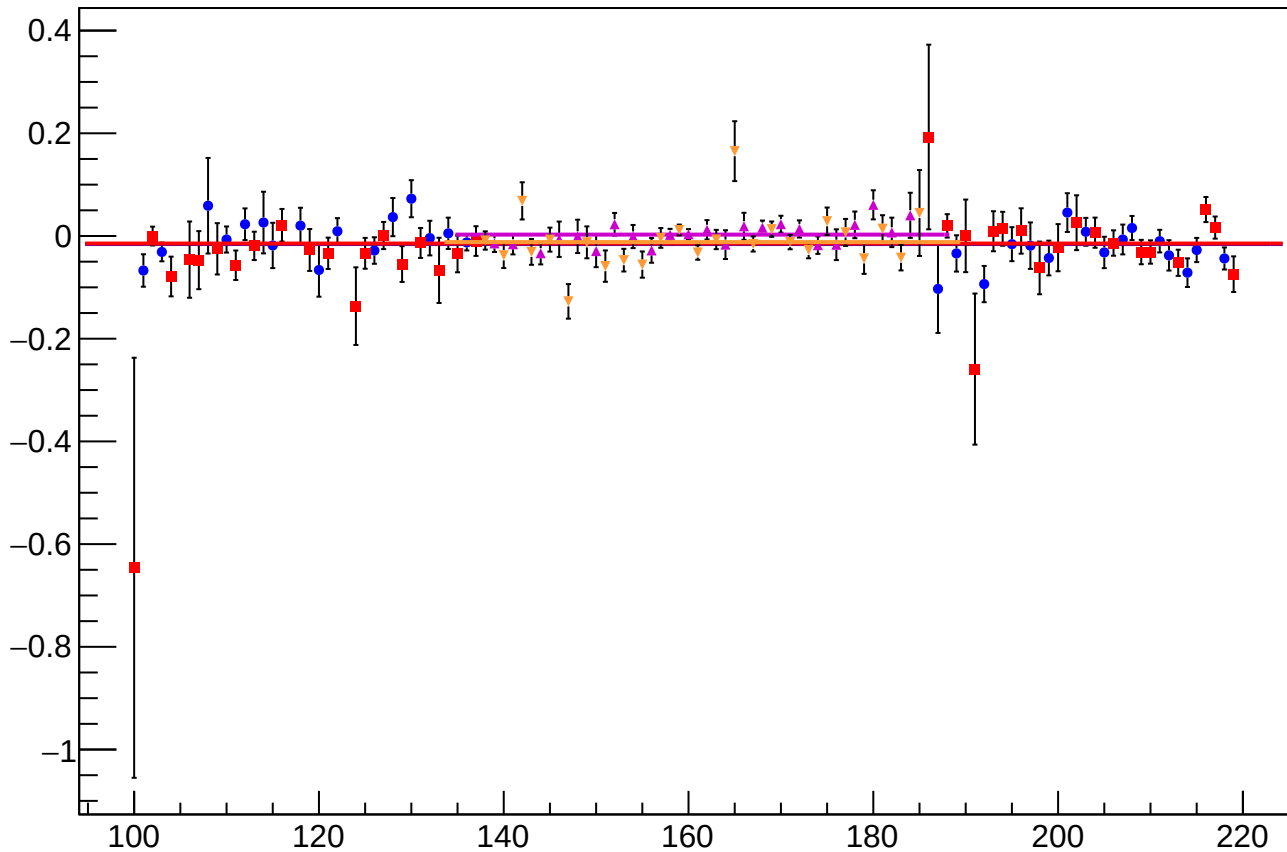
Left In: 15.824 ± 0.003 χ^2/NDF : 3654469.7/22

+ sign 18.202 ± 0.002 χ^2/NDF : 8012774.5/56

All: 18.183 ± 0.002 χ^2/NDF : 17788461.2/116

- sign 18.163 ± 0.002 χ^2/NDF : 9775545.4/59

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.005 χ^2/NDF : 36.9/31

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.015 ± 0.005 χ^2/NDF : 41.3/36

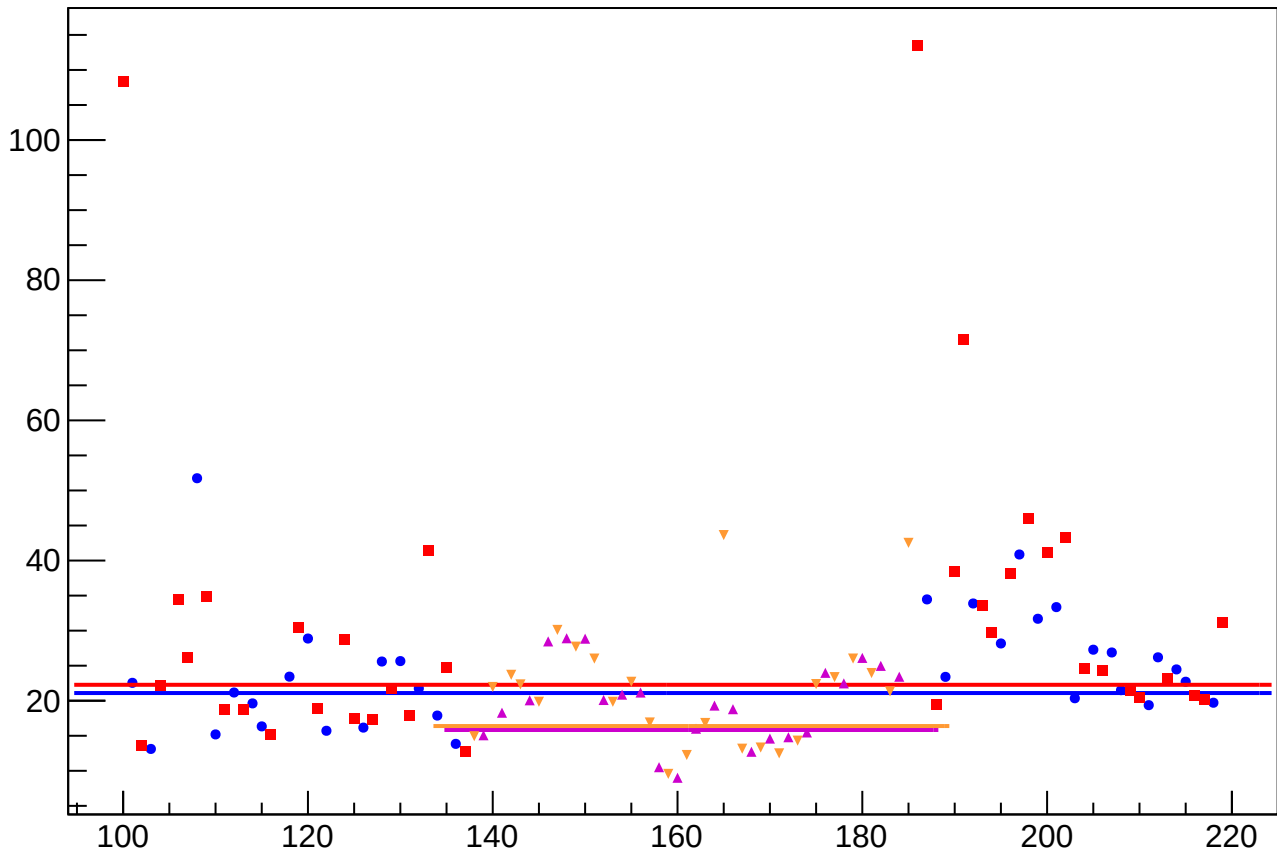
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.013 ± 0.003 χ^2/NDF : 90.7/56

All: -0.009 ± 0.002 χ^2/NDF : 163.1/116

- sign -0.004 ± 0.003 χ^2/NDF : 67.8/59

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.097 ± 0.004 χ^2/NDF : 2949221.0/31

Left Out: 16.387 ± 0.003 χ^2/NDF : 4030028.3/24

Right Out: 22.273 ± 0.004 χ^2/NDF : 4272098.7/36

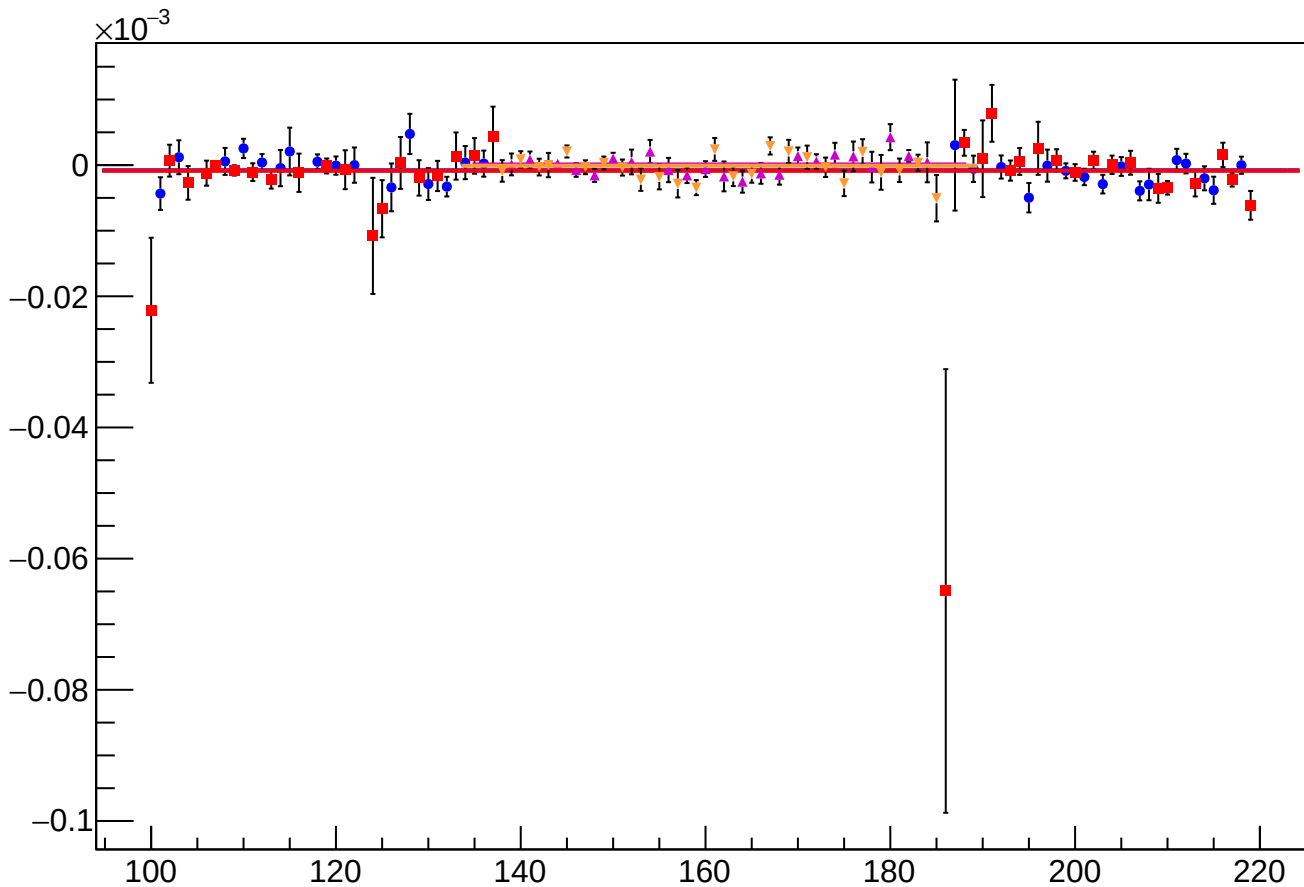
Left In: 15.824 ± 0.003 χ^2/NDF : 3654469.7/22

+ sign 18.202 ± 0.002 χ^2/NDF : 8012774.5/56

All: 18.183 ± 0.002 χ^2/NDF : 17788461.2/116

- sign 18.163 ± 0.002 χ^2/NDF : 9775545.4/59

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.7/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:36.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 47.7/36

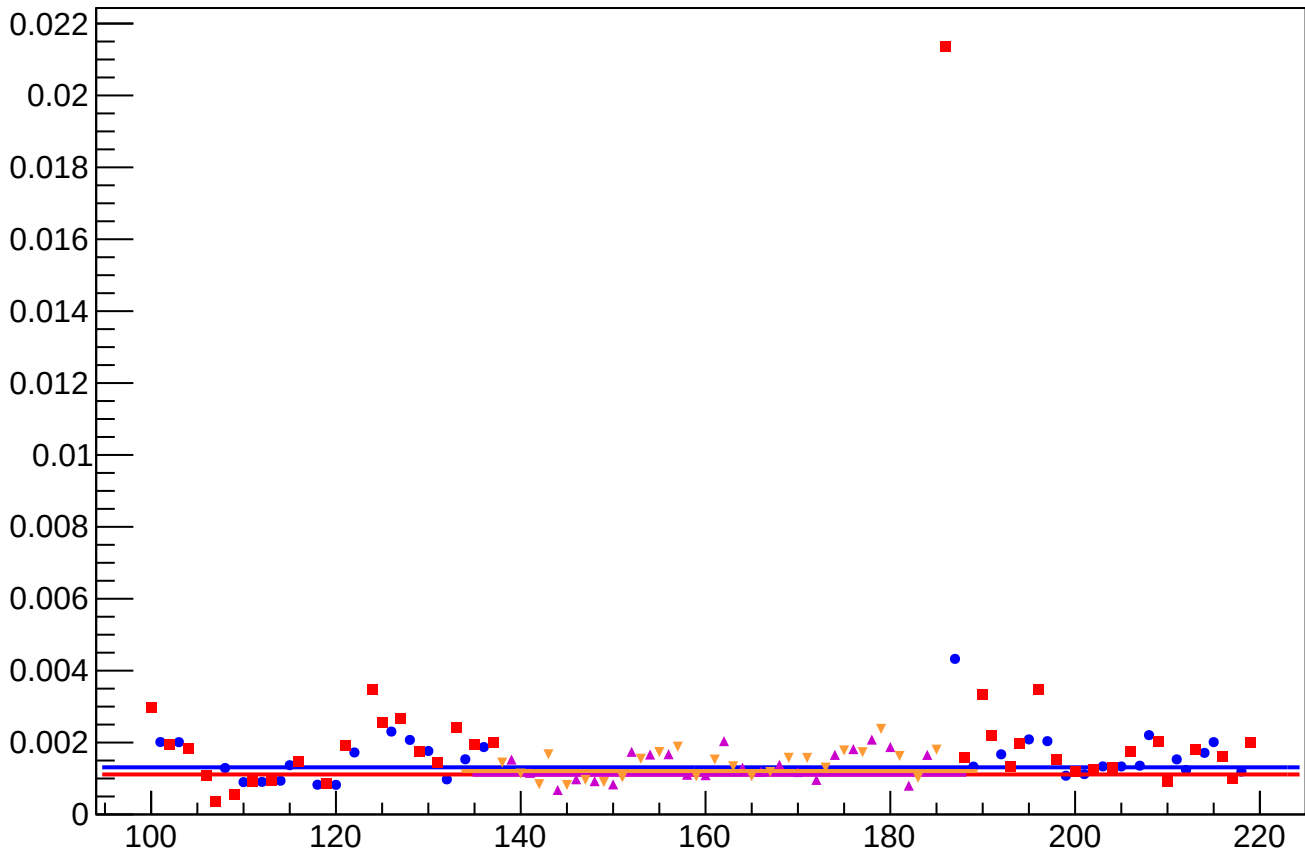
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:21.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 74.5/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 150.4/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 75.9/59

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 3453328.4/31

Left Out: 0.001+/-0.000 χ^2/NDF : 2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 9148848.1/36

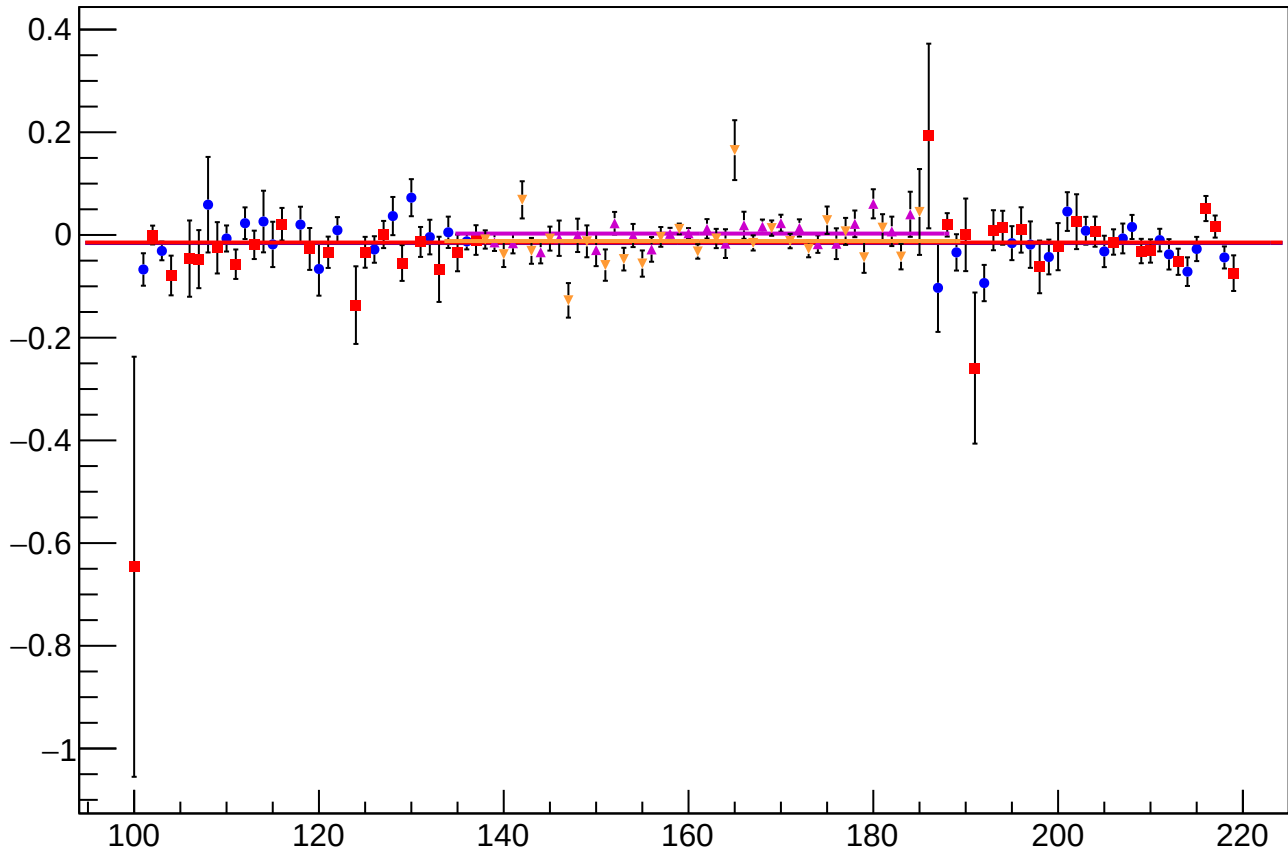
Left In: 0.001+/-0.000 χ^2/NDF : 3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF : 6293625.4/56

All: 0.001+/-0.000 χ^2/NDF : 19465379.0/116

- sign 0.001+/-0.000 χ^2/NDF : 12644858.3/59

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.005 χ^2/NDF : 36.9/31

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.015 ± 0.005 χ^2/NDF : 41.3/36

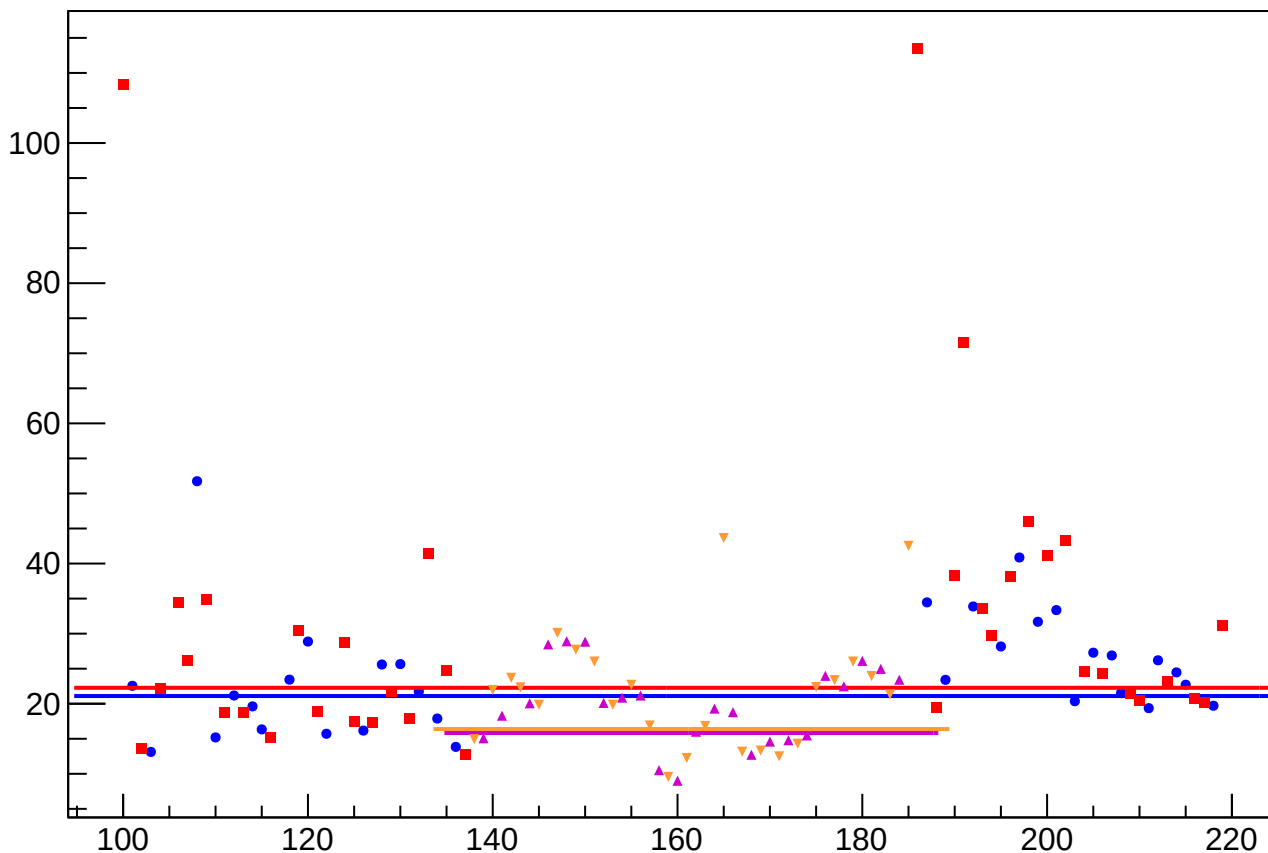
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.013 ± 0.003 χ^2/NDF : 90.7/56

All: -0.009 ± 0.002 χ^2/NDF : 163.1/116

- sign -0.004 ± 0.003 χ^2/NDF : 67.8/59

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.097 ± 0.004 χ^2/NDF : 2949251.5/31

Left Out: 16.387 ± 0.003 χ^2/NDF : 4030277.2/24

Right Out: 22.273 ± 0.004 χ^2/NDF : 4271830.4/36

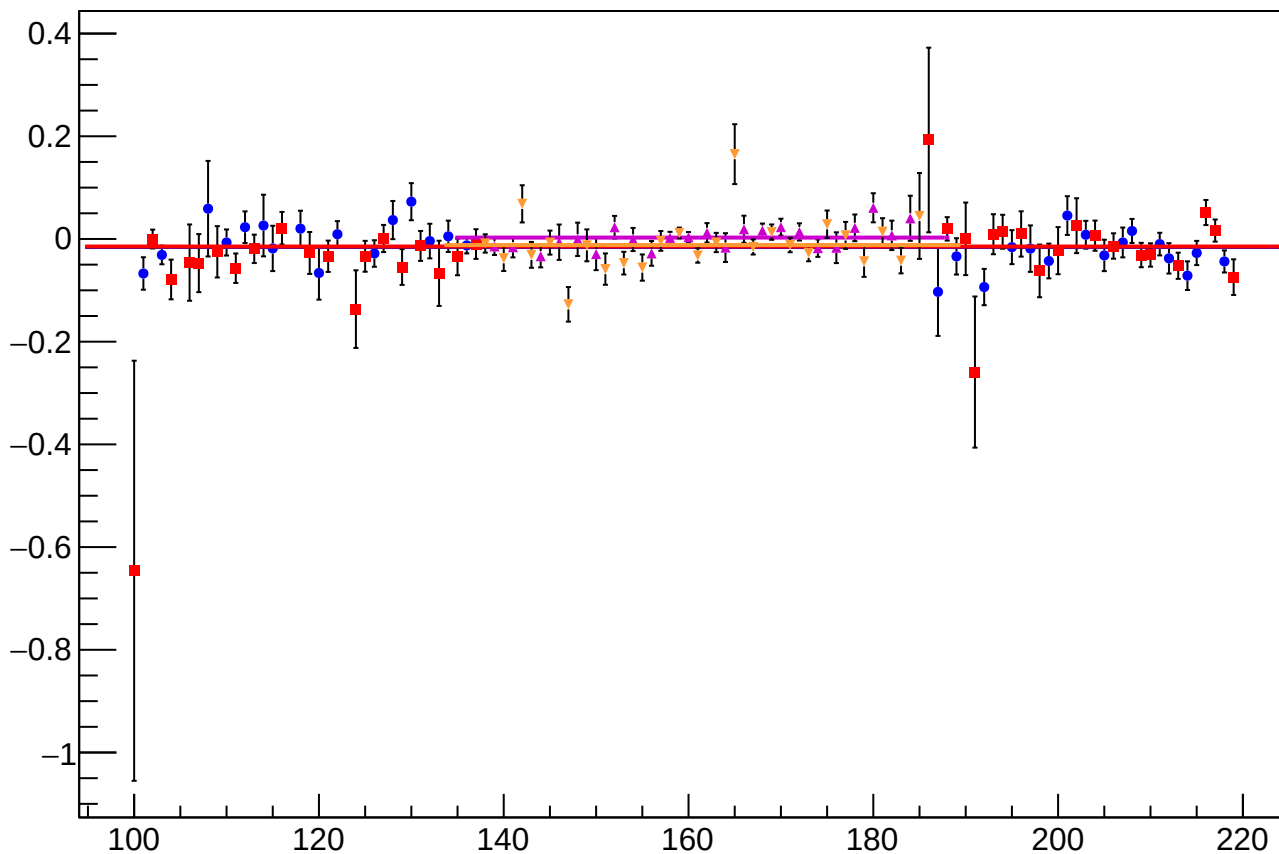
Left In: 15.823 ± 0.003 χ^2/NDF : 3654834.3/22

+ sign 18.201 ± 0.002 χ^2/NDF : 8013131.1/56

All: 18.183 ± 0.002 χ^2/NDF : 17789231.0/116

- sign 18.163 ± 0.002 χ^2/NDF : 9775958.9/59

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.005 χ^2/NDF : 36.9/31

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.015 ± 0.005 χ^2/NDF : 41.3/36

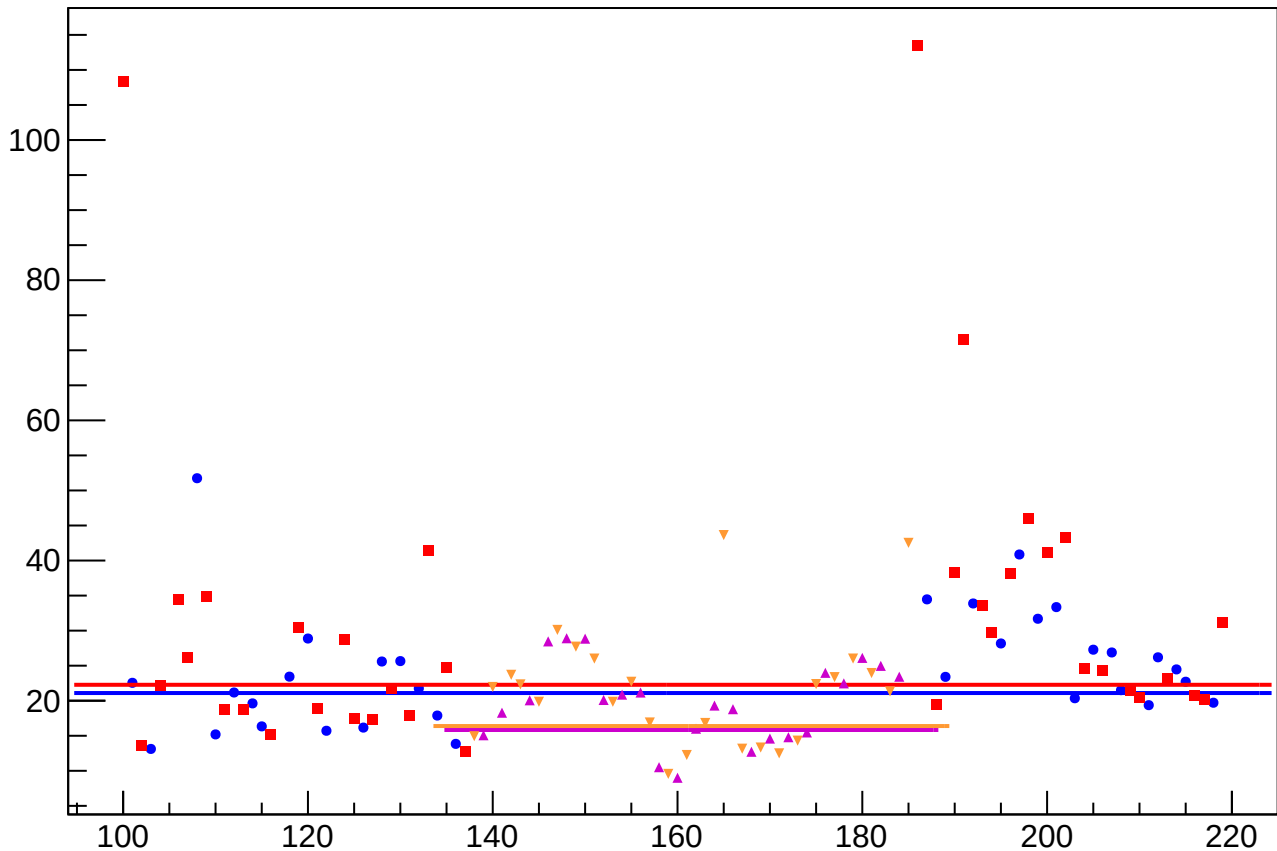
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.013 ± 0.003 χ^2/NDF : 90.7/56

All: -0.009 ± 0.002 χ^2/NDF : 163.1/116

- sign -0.004 ± 0.003 χ^2/NDF : 67.8/59

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.097 ± 0.004 $\chi^2/\text{NDF}: 2949251.5/31$

Left Out: 16.387 ± 0.003 $\chi^2/\text{NDF}: 4030277.2/24$

Right Out: 22.273 ± 0.004 $\chi^2/\text{NDF}: 4271830.4/36$

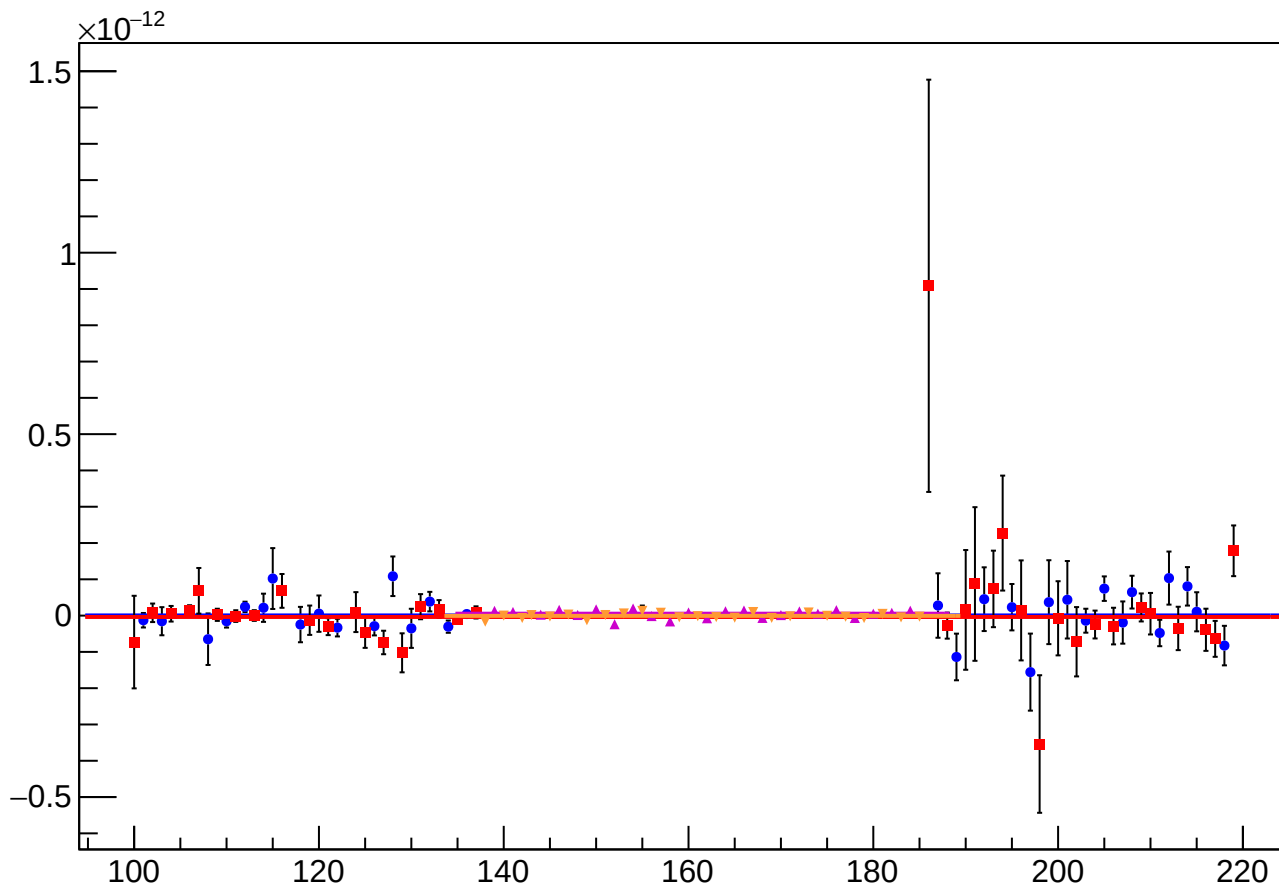
Left In: 15.823 ± 0.003 $\chi^2/\text{NDF}: 3654834.3/22$

+ sign 18.201 ± 0.002 $\chi^2/\text{NDF}: 8013131.1/56$

All: 18.183 ± 0.002 $\chi^2/\text{NDF}: 17789231.0/116$

- sign 18.163 ± 0.002 $\chi^2/\text{NDF}: 9775958.9/59$

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 41.9/31

Left Out: -0.000+/-0.000 χ^2/NDF : 19.1/24

Right Out: -0.000+/-0.000 χ^2/NDF : 39.0/36

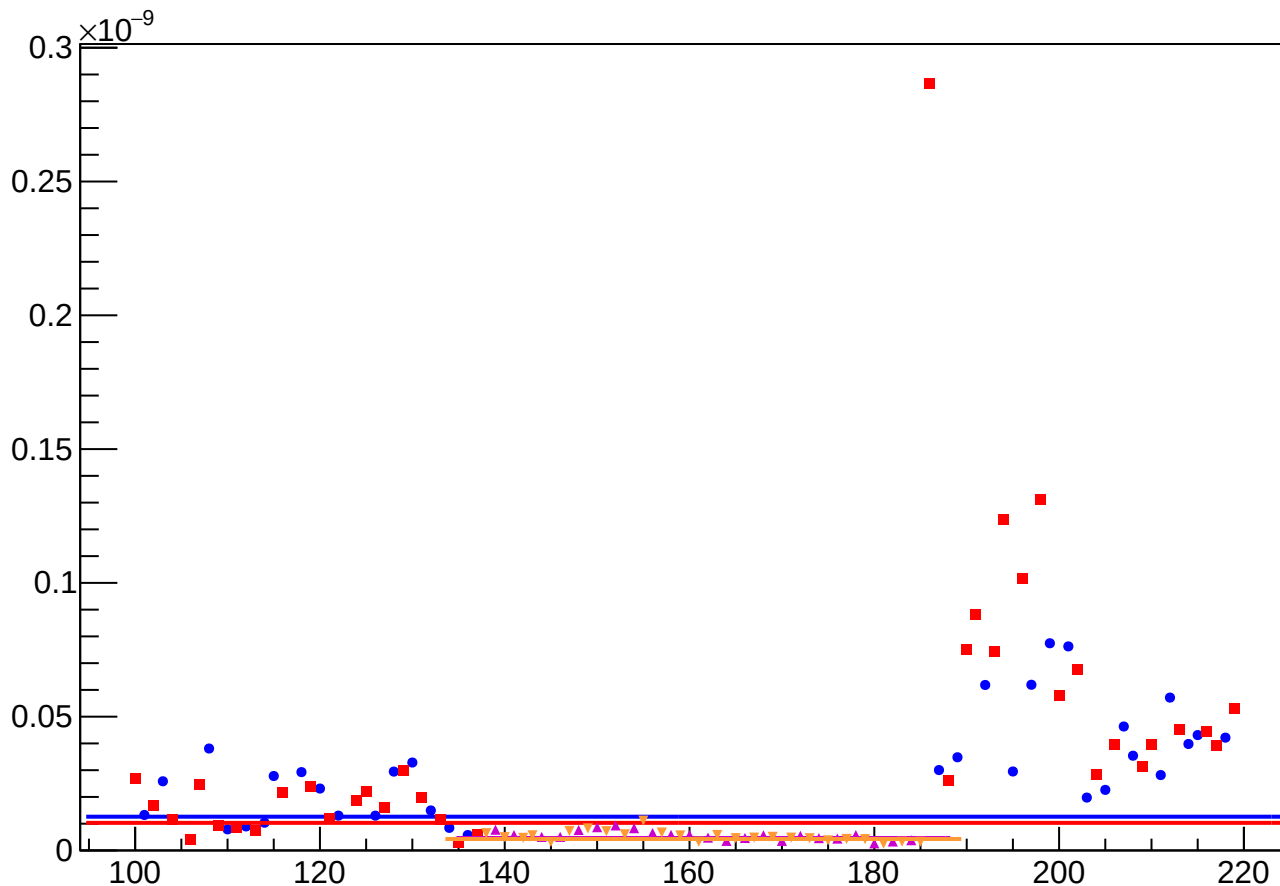
Left In: 0.000+/-0.000 χ^2/NDF : 37.9/22

+ sign -0.000+/-0.000 χ^2/NDF : 61.1/56

All: 0.000+/-0.000 χ^2/NDF : 149.8/116

- sign 0.000+/-0.000 χ^2/NDF : 80.9/59

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10537607.1/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14887511.4/36

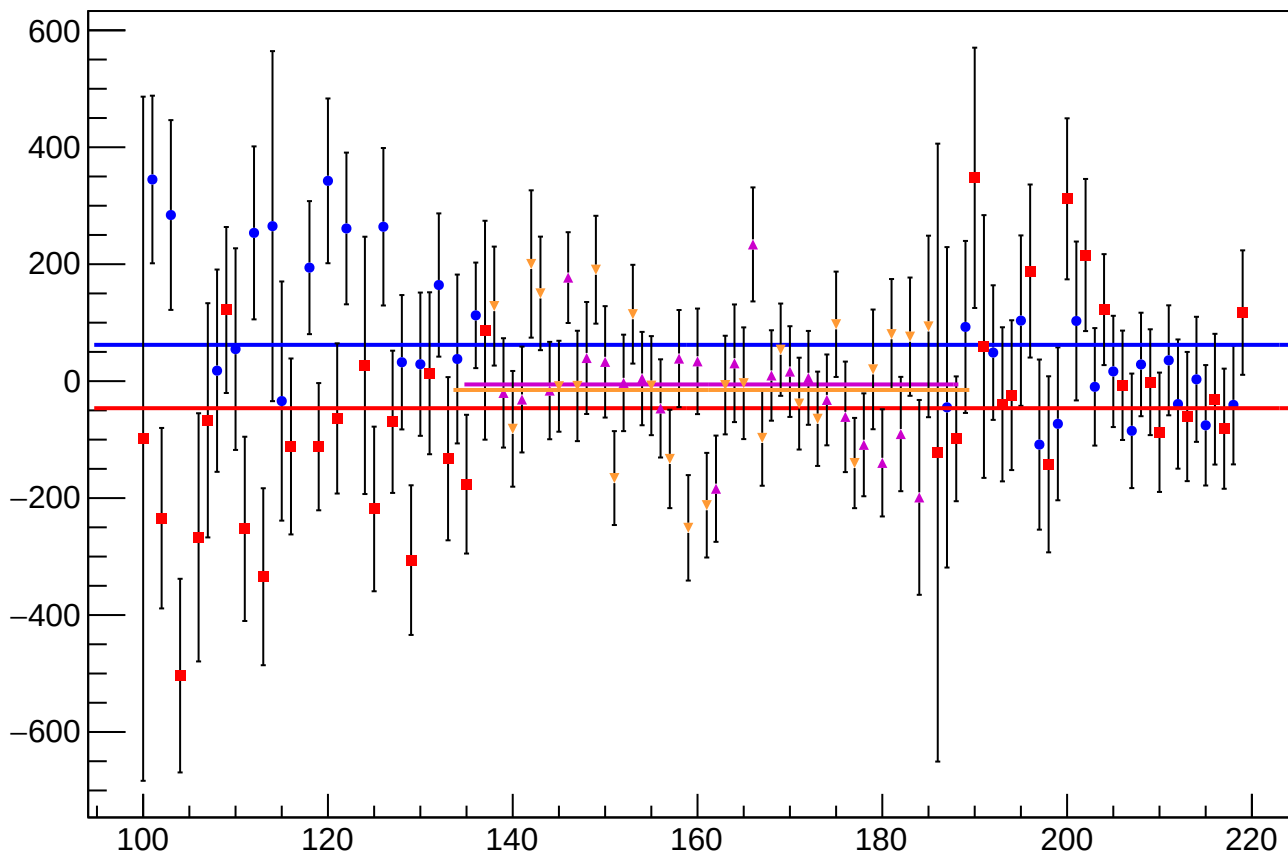
Left In: 0.000+/-0.000 χ^2/NDF : 2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 18888613.6/56

All: 0.000+/-0.000 χ^2/NDF : 39503320.1/116

- sign 0.000+/-0.000 χ^2/NDF : 20540370.0/59

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 62.076 $\pm$ 21.753 χ^2/NDF : 29.3/31

Left Out: -15.100 $\pm$ 17.957 χ^2/NDF : 41.6/24

Right Out: -46.249 $\pm$ 21.851 χ^2/NDF : 49.2/36

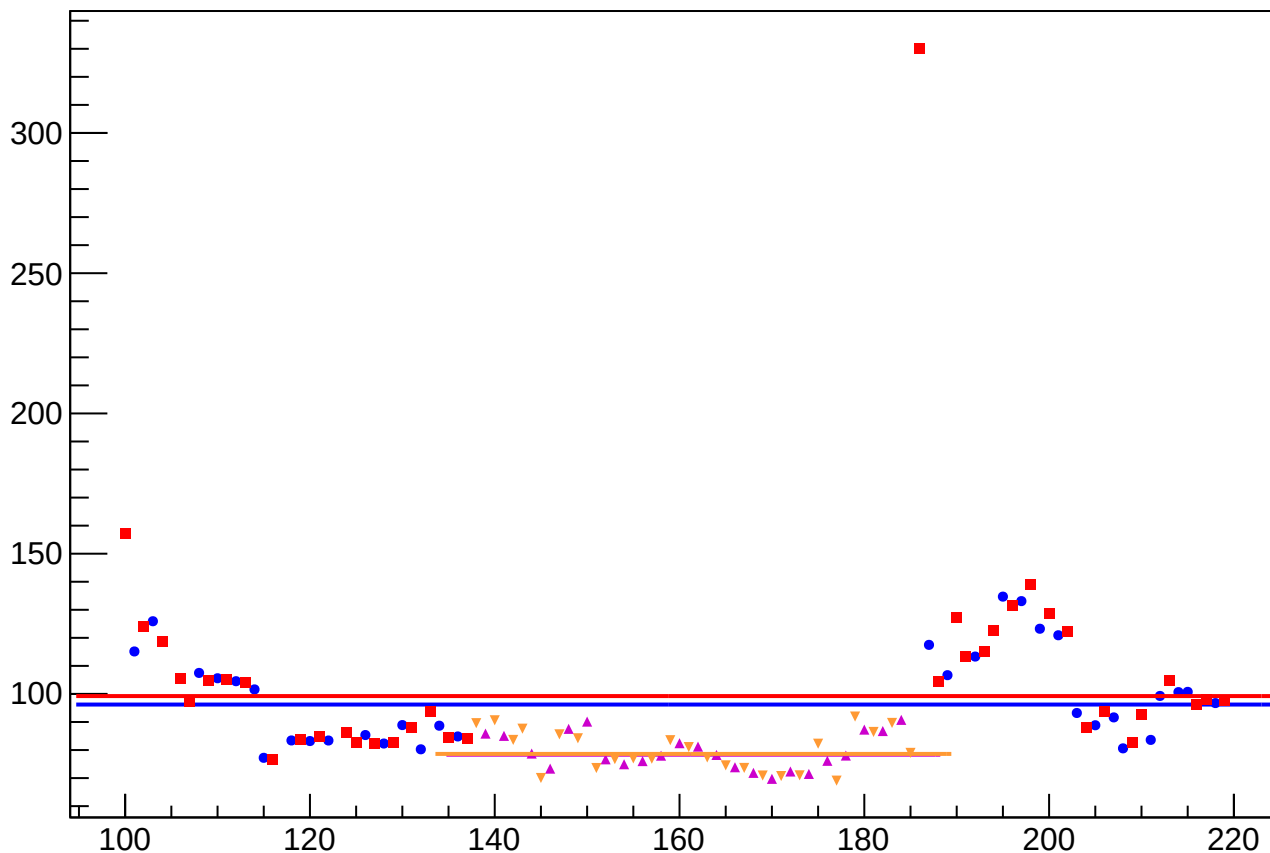
Left In: -5.629 $\pm$ 18.382 χ^2/NDF : 23.0/22

+ sign 16.178 $\pm$ 13.848 χ^2/NDF : 78.4/56

All: -2.840 $\pm$ 9.868 χ^2/NDF : 156.5/116

- sign -22.462 $\pm$ 14.066 χ^2/NDF : 74.2/59

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 96.218 $\pm$ 0.015 χ^2 /NDF: 934208.1/31

Left Out: 78.618 $\pm$ 0.013 χ^2 /NDF: 307235.6/24

Right Out: 99.240 $\pm$ 0.015 χ^2 /NDF: 1413972.3/36

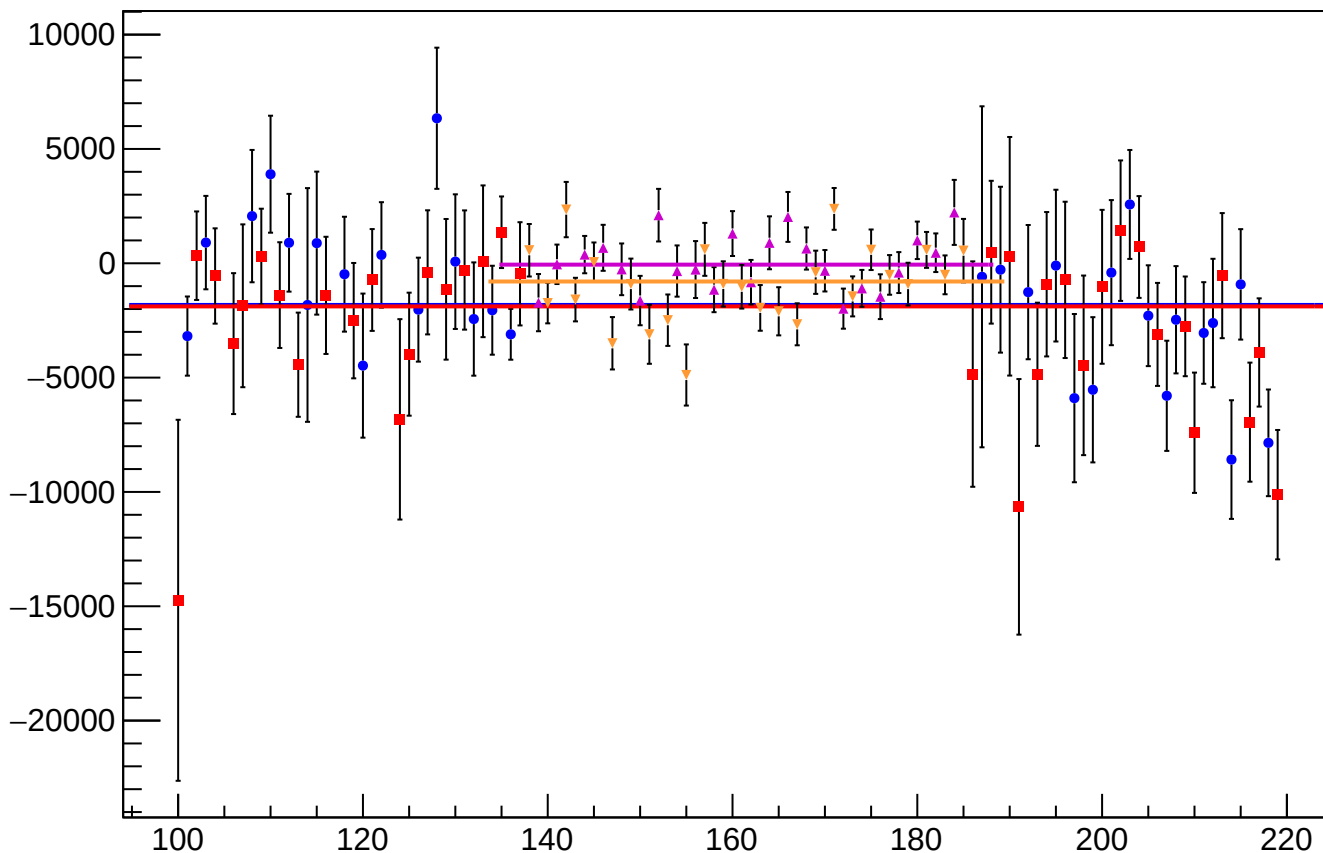
Left In: 78.334 $\pm$ 0.013 χ^2 /NDF: 209146.2/22

+ sign 85.751 $\pm$ 0.010 χ^2 /NDF: 2020109.2/56

All: 86.365 $\pm$ 0.007 χ^2 /NDF: 4723204.6/116

- sign 86.998 $\pm$ 0.010 χ^2 /NDF: 2695121.6/59

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1822.186 ± 428.523 $\chi^2/\text{NDF}: 45.8/31$

Left Out: -797.000 ± 197.884 $\chi^2/\text{NDF}: 59.5/24$

Right Out: -1886.231 ± 439.071 $\chi^2/\text{NDF}: 40.8/36$

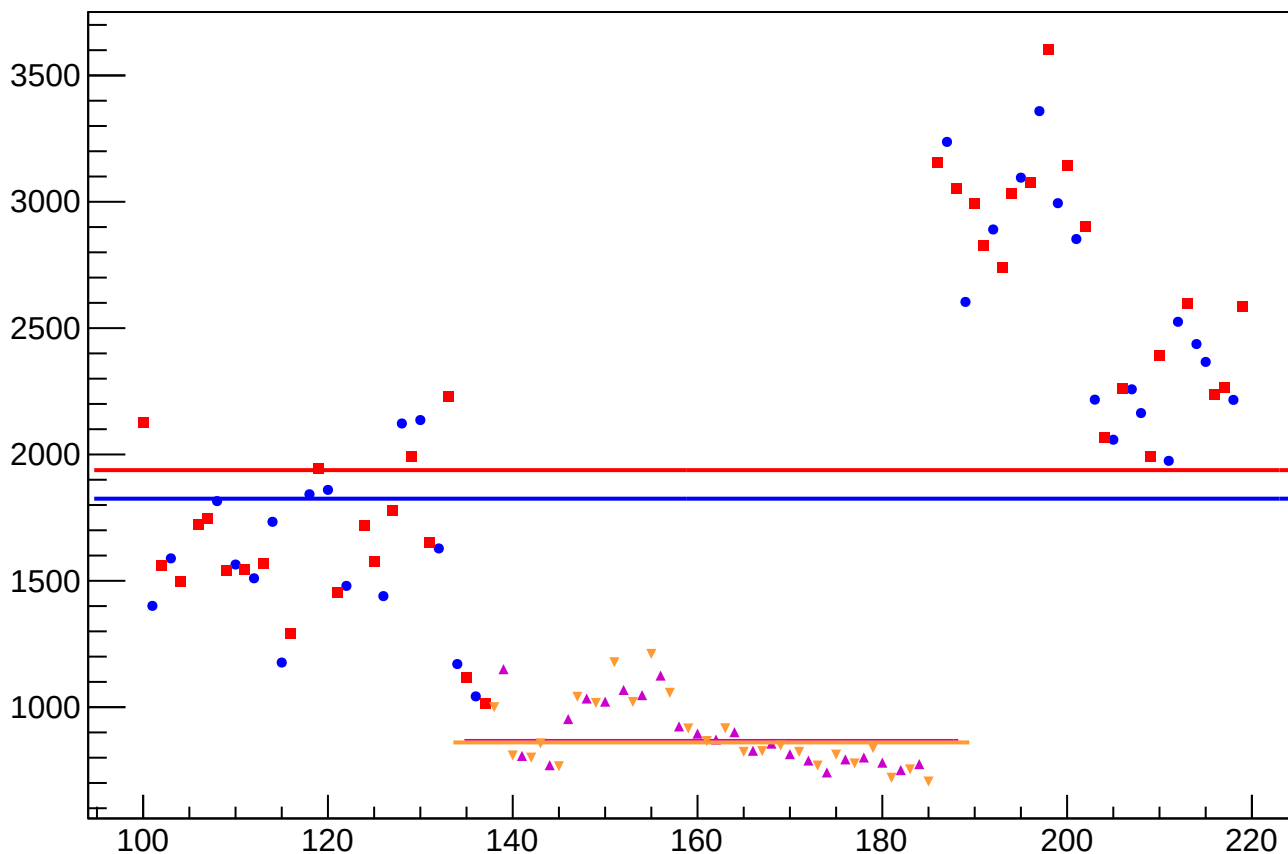
Left In: -59.494 ± 204.437 $\chi^2/\text{NDF}: 30.5/22$

+ sign -977.189 ± 179.654 $\chi^2/\text{NDF}: 110.0/56$

All: -690.286 ± 128.995 $\chi^2/\text{NDF}: 200.8/116$

- sign -384.961 ± 185.332 $\chi^2/\text{NDF}: 85.5/59$

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1825.066 $\pm$ 0.303 χ^2 /NDF: 3805067.6/31

Left Out: 860.492 $\pm$ 0.140 χ^2 /NDF: 699252.0/24

Right Out: 1938.067 $\pm$ 0.310 χ^2 /NDF: 3871029.5/36

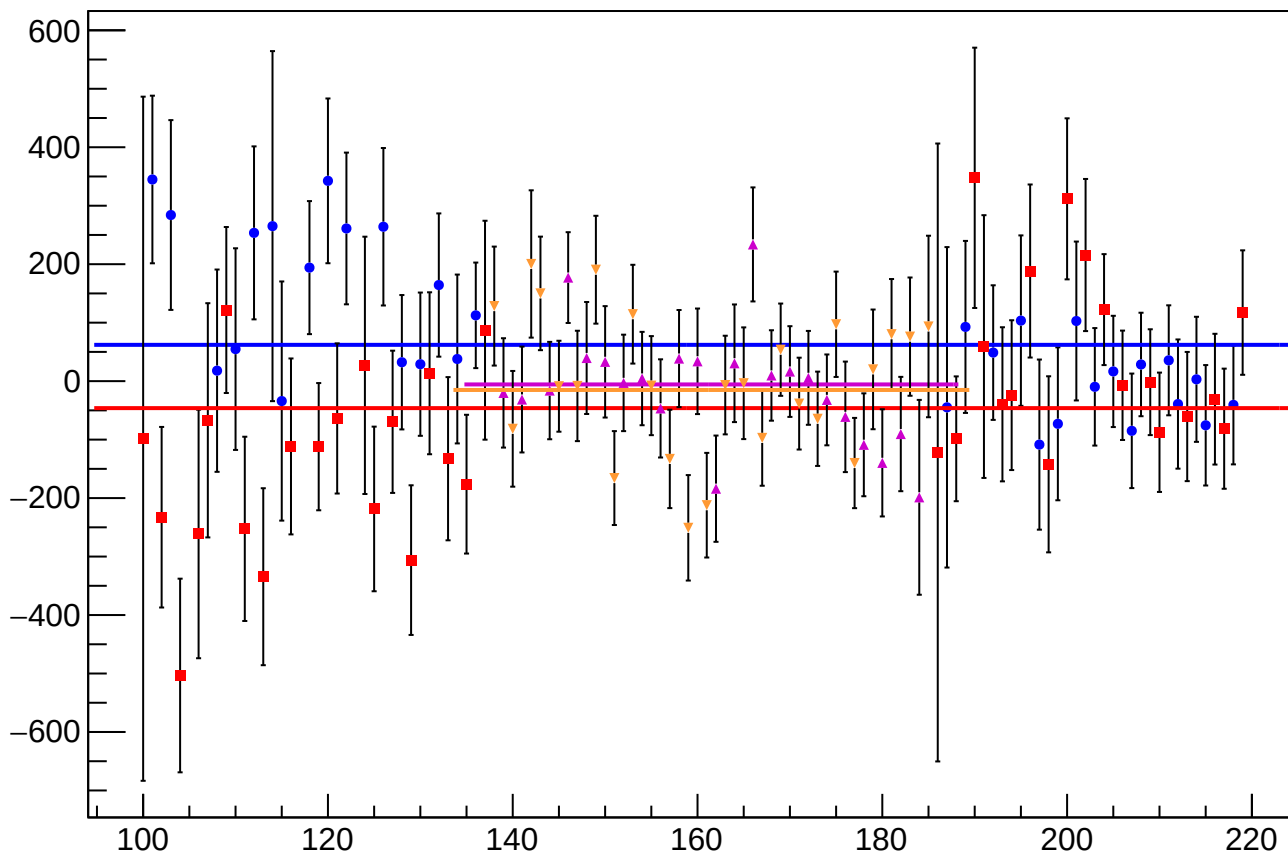
Left In: 866.351 $\pm$ 0.145 χ^2 /NDF: 613257.7/22

+ sign 1030.027 $\pm$ 0.127 χ^2 /NDF: 12856598.2/56

All: 1043.238 $\pm$ 0.091 χ^2 /NDF: 27155905.2/1

- sign 1057.298 $\pm$ 0.131 χ^2 /NDF: 14276982.7/59

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 62.070 $\pm$ 21.753 χ^2/NDF : 29.3/31

Left Out: -15.098 $\pm$ 17.957 χ^2/NDF : 41.6/24

Right Out: -46.141 $\pm$ 21.852 χ^2/NDF : 49.1/36

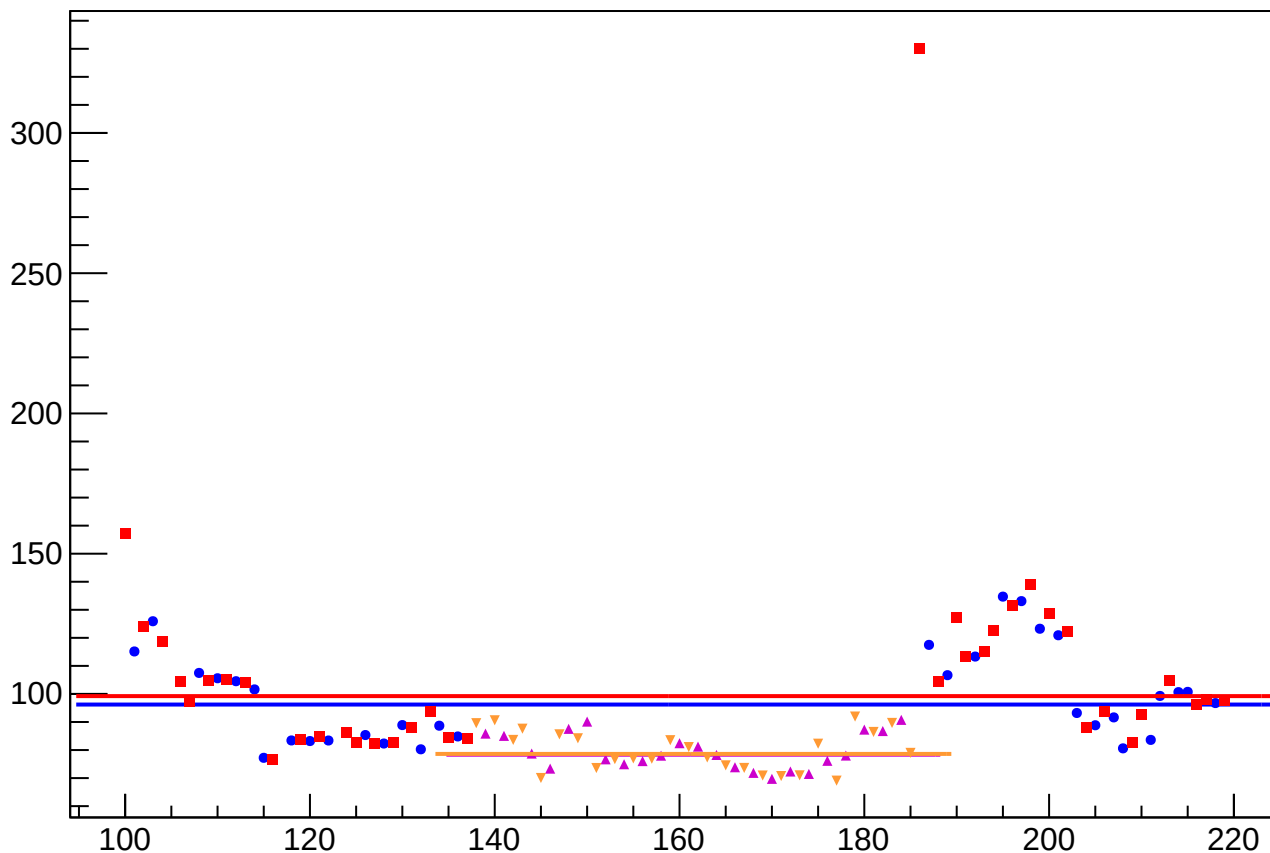
Left In: -5.626 $\pm$ 18.382 χ^2/NDF : 23.0/22

+ sign 16.177 $\pm$ 13.848 χ^2/NDF : 78.4/56

All: -2.817 $\pm$ 9.868 χ^2/NDF : 156.4/116

- sign -22.415 $\pm$ 14.067 χ^2/NDF : 74.1/59

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.218 $\pm$ 0.015 χ^2 /NDF: 934209.7/31

Left Out: 78.618 $\pm$ 0.013 χ^2 /NDF:307235.6/24

Right Out: 99.227 $\pm$ 0.015 χ^2 /NDF: 1413500.3/36

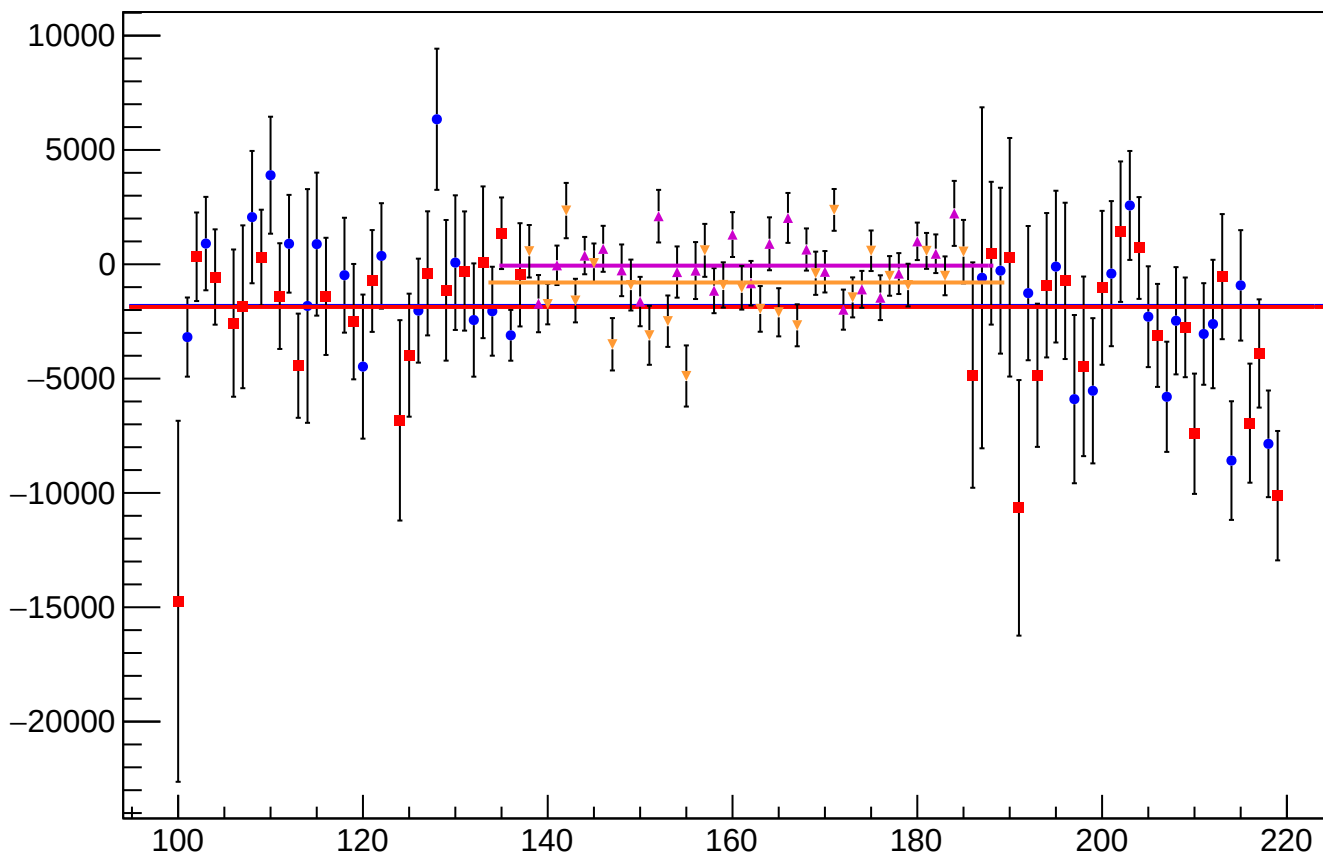
Left In: 78.334 $\pm$ 0.013 χ^2 /NDF:209146.2/22

+ sign 85.751 $\pm$ 0.010 χ^2 /NDF: 2020111.1/56

All: 86.362 $\pm$ 0.007 χ^2 /NDF: 4721283.8/116

- sign 86.992 $\pm$ 0.010 χ^2 /NDF: 2693271.7/59

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1822.175 $\pm$ 428.524 χ^2 /NDF: 45.8/31

Left Out: -797.000 $\pm$ 197.884 χ^2 /NDF: 59.5/24

Right Out: -1866.204 $\pm$ 439.456 χ^2 /NDF: 40.6/36

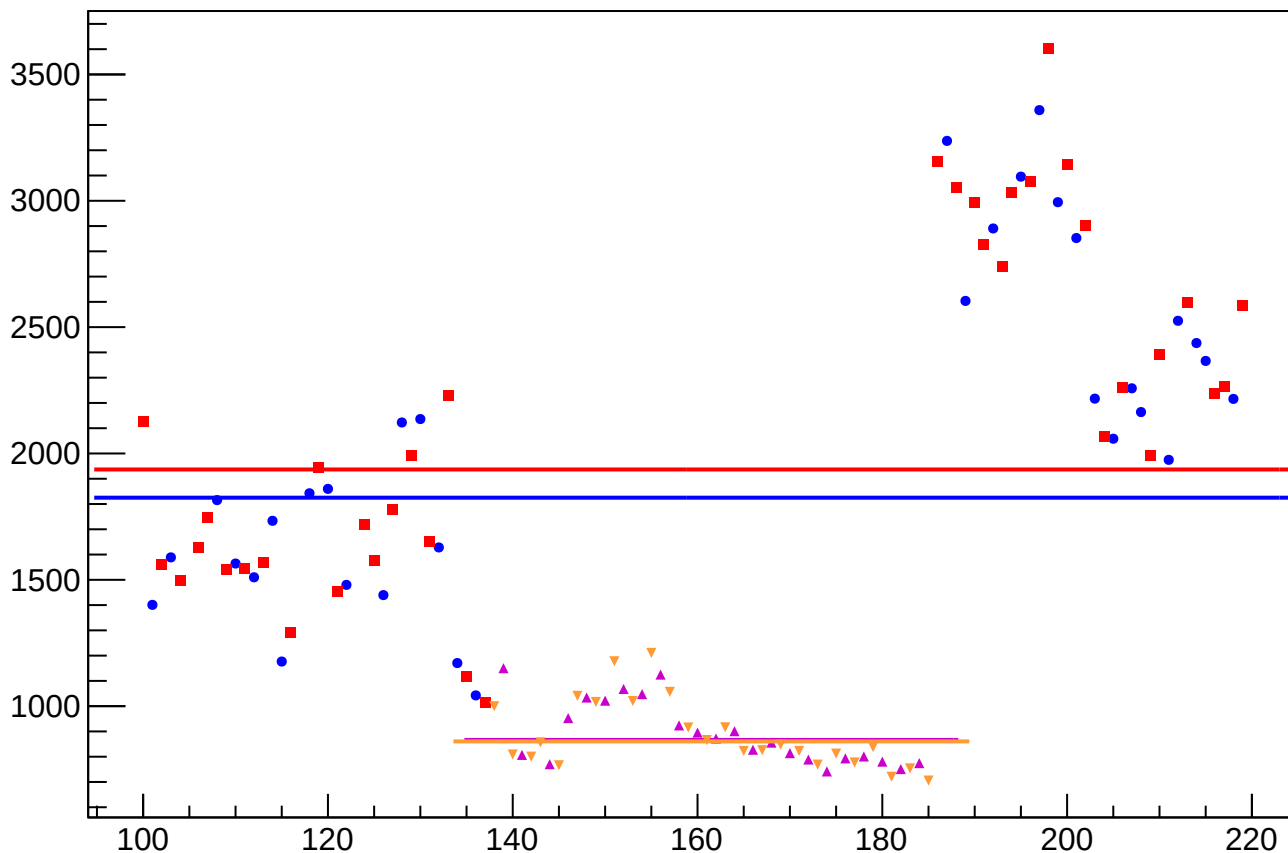
Left In: -59.494 $\pm$ 204.437 χ^2 /NDF: 30.5/22

+ sign -977.186 $\pm$ 179.654 χ^2 /NDF: 110.0/56

All: -688.378 $\pm$ 129.005 χ^2 /NDF: 200.3/116

- sign -380.930 $\pm$ 185.361 χ^2 /NDF: 84.9/59

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1825.070 $\pm$ 0.303 χ^2 /NDF: 3805052.3/31

Left Out: 860.492 $\pm$ 0.140 χ^2 /NDF: 699250.7/24

Right Out: 1936.734 $\pm$ 0.311 χ^2 /NDF: 3879392.6/36

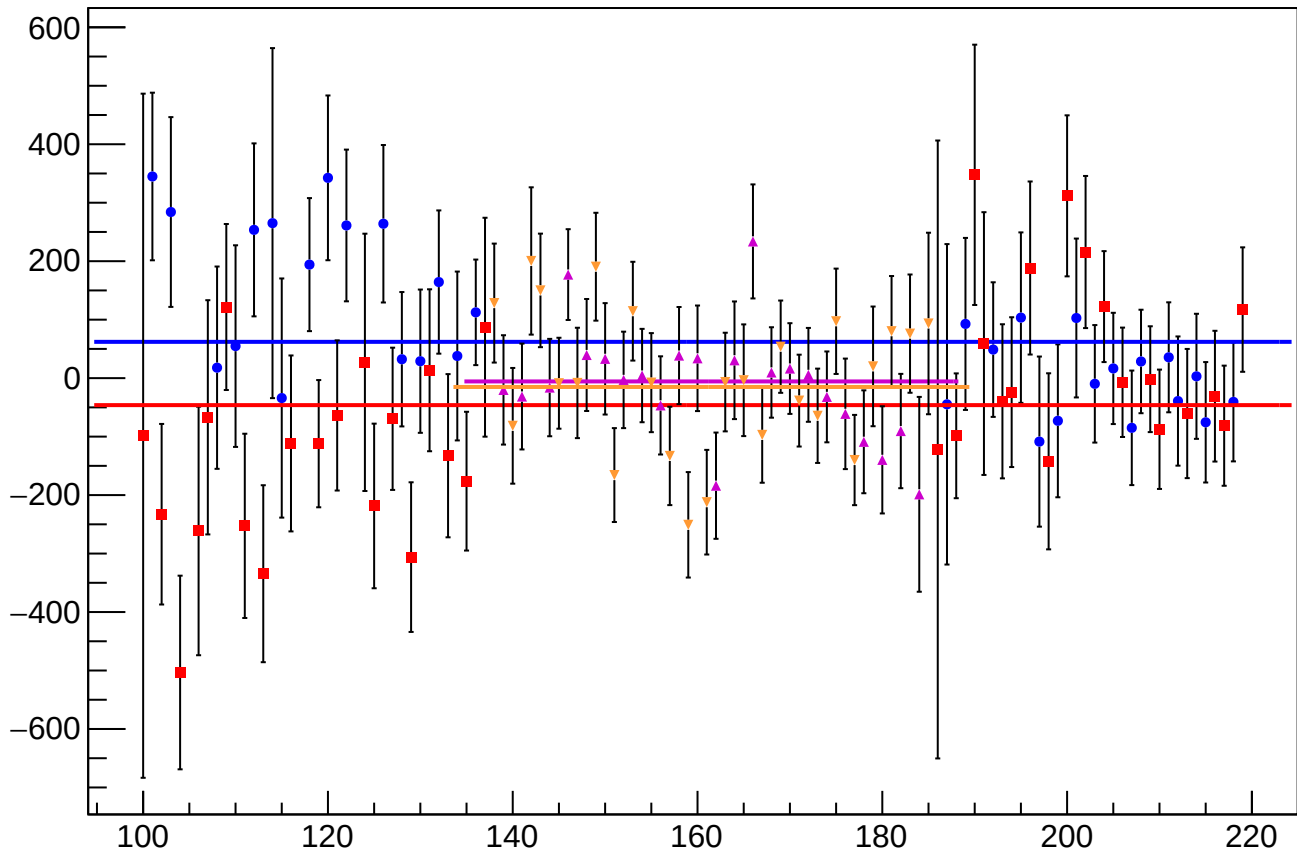
Left In: 866.352 $\pm$ 0.145 χ^2 /NDF: 613256.3/22

+ sign 1030.028 $\pm$ 0.127 χ^2 /NDF: 12856617.3/56

All: 1042.988 $\pm$ 0.091 χ^2 /NDF: 27125035.7/1

- sign 1056.786 $\pm$ 0.131 χ^2 /NDF: 14246927.6/59

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 62.070 ± 21.753 χ^2/NDF : 29.3/31

Left Out: -15.098 ± 17.957 χ^2/NDF : 41.6/24

Right Out: -46.141 ± 21.852 χ^2/NDF : 49.1/36

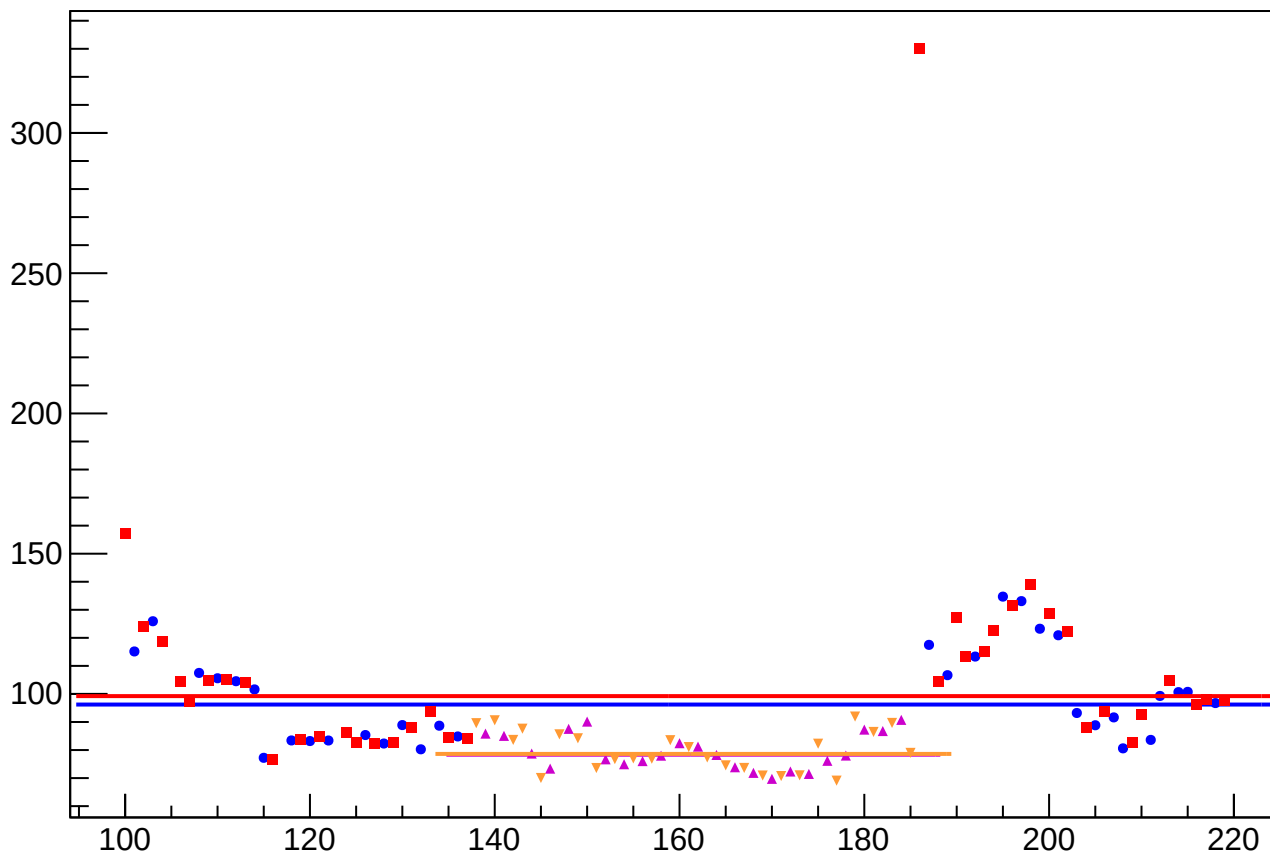
Left In: -5.626 ± 18.382 χ^2/NDF : 23.0/22

+ sign 16.177 ± 13.848 χ^2/NDF : 78.4/56

All: -2.817 ± 9.868 χ^2/NDF : 156.4/116

- sign -22.415 ± 14.067 χ^2/NDF : 74.1/59

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.218 $\pm$ 0.015 χ^2 /NDF: 934209.7/31

Left Out: 78.618 $\pm$ 0.013 χ^2 /NDF: 307235.6/24

Right Out: 99.227 $\pm$ 0.015 χ^2 /NDF: 1413500.3/36

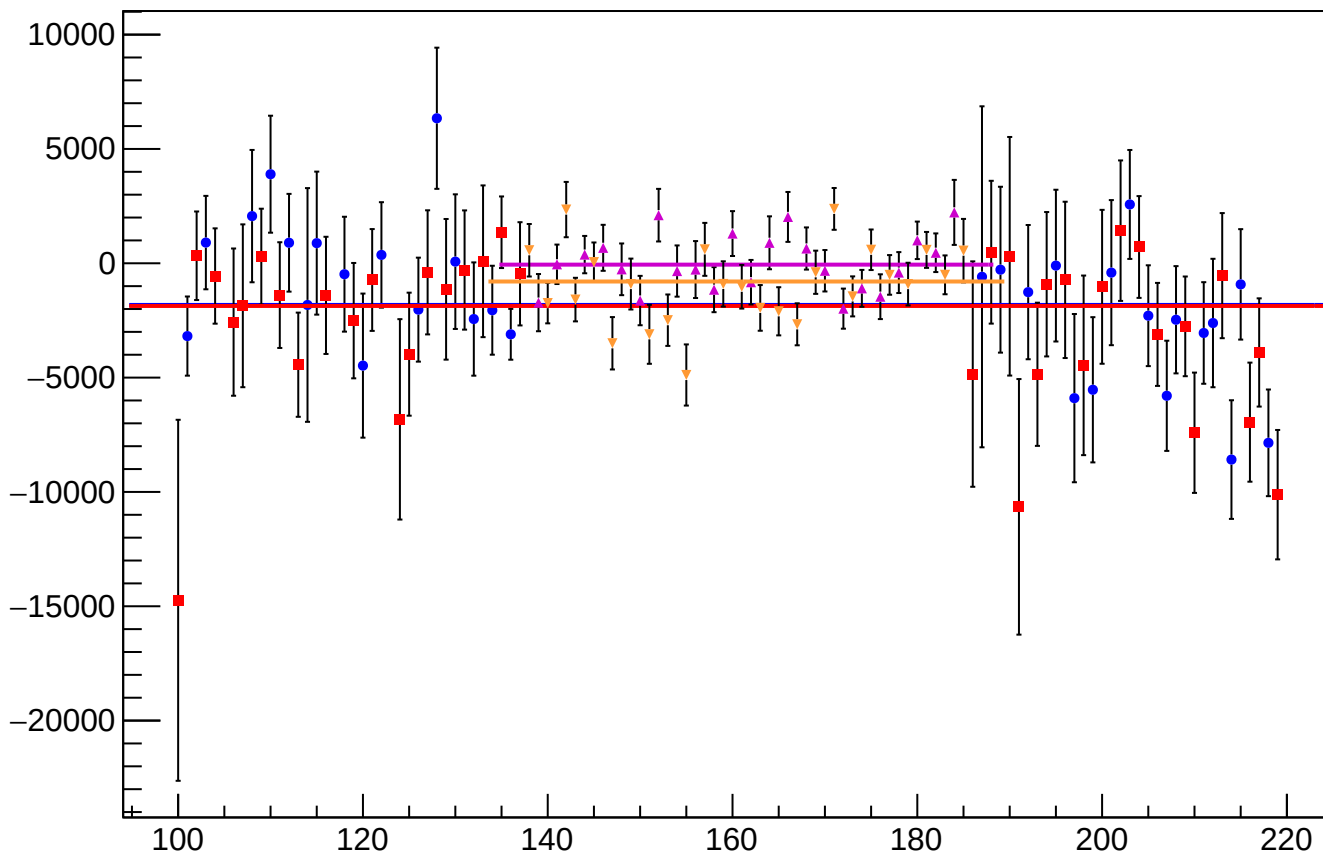
Left In: 78.334 $\pm$ 0.013 χ^2 /NDF: 209146.2/22

+ sign 85.751 $\pm$ 0.010 χ^2 /NDF: 2020111.1/56

All: 86.362 $\pm$ 0.007 χ^2 /NDF: 4721283.8/116

- sign 86.992 $\pm$ 0.010 χ^2 /NDF: 2693271.7/59

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug



Right In: -1822.175 $\pm$ 428.524 χ^2 /NDF: 45.8/31

Left Out: -797.000 $\pm$ 197.884 χ^2 /NDF:59.5/24

Right Out: -1866.204 $\pm$ 439.456 χ^2 /NDF: 40.6/36

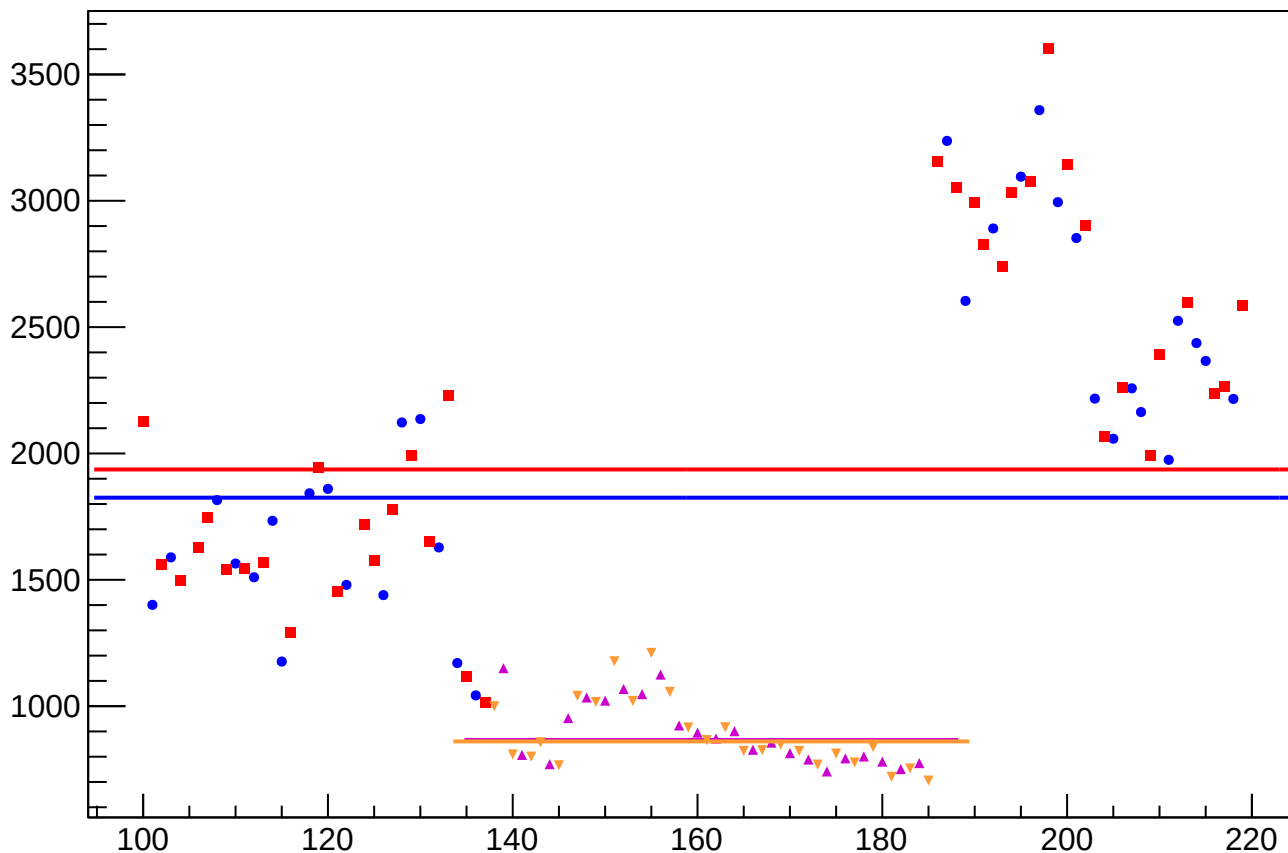
Left In: -59.494 $\pm$ 204.437 χ^2 /NDF:30.5/22

+ sign -977.186 $\pm$ 179.654 χ^2 /NDF: 110.0/56

All: -688.378 $\pm$ 129.005 χ^2 /NDF: 200.3/116

- sign -380.930 $\pm$ 185.361 χ^2 /NDF: 84.9/59

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1825.070 $\pm$ 0.303 χ^2 /NDF: 3805052.3/31

Left Out: 860.492 $\pm$ 0.140 χ^2 /NDF: 699250.7/24

Right Out: 1936.734 $\pm$ 0.311 χ^2 /NDF: 3879392.6/36

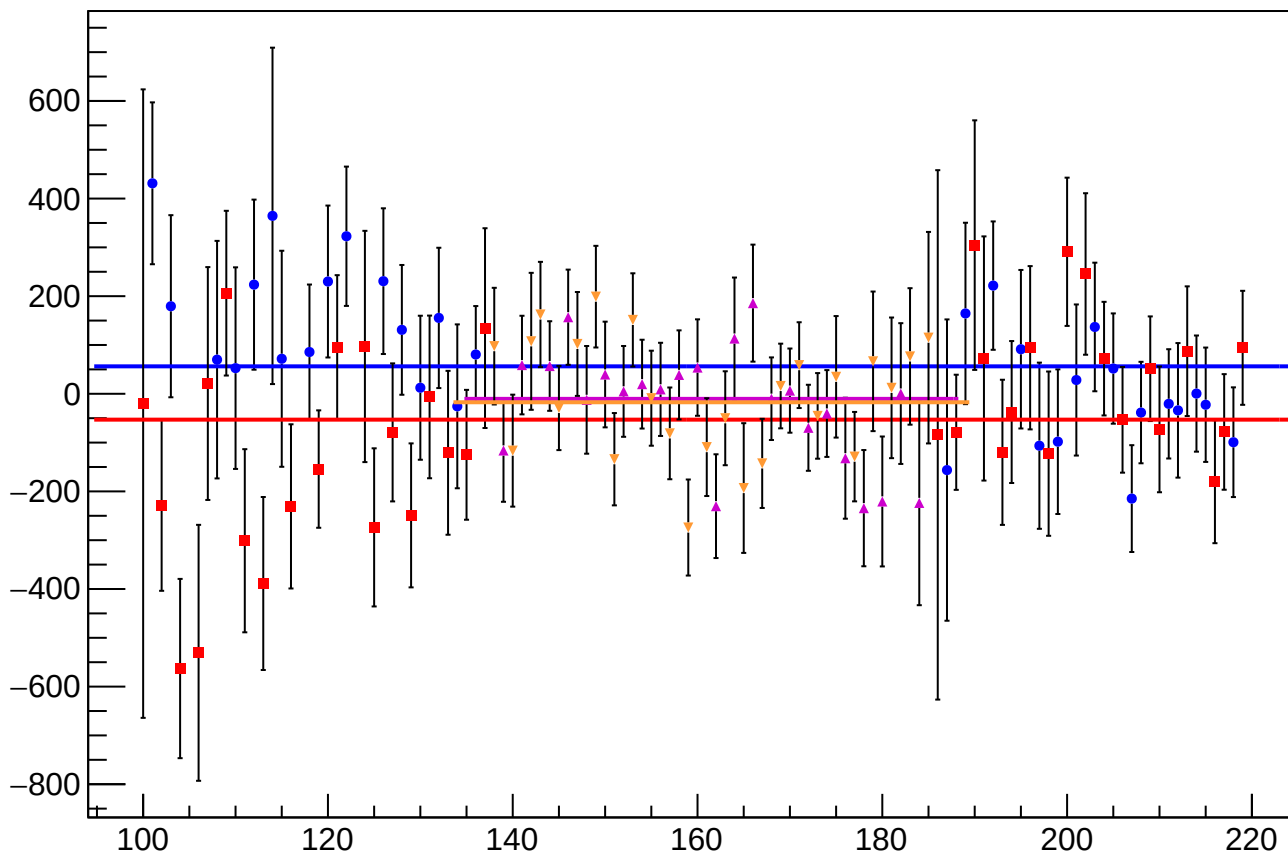
Left In: 866.352 $\pm$ 0.145 χ^2 /NDF: 613256.3/22

+ sign 1030.028 $\pm$ 0.127 χ^2 /NDF: 12856617.3/56

All: 1042.988 $\pm$ 0.091 χ^2 /NDF: 27125035.7/1

- sign 1056.786 $\pm$ 0.131 χ^2 /NDF: 14246927.6/59

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 56.228 $\pm$ 25.265 χ^2 /NDF: 29.9/31

Left Out: -17.356 $\pm$ 20.987 χ^2 /NDF: 31.2/24

Right Out: -52.986 $\pm$ 25.264 χ^2 /NDF: 45.8/36

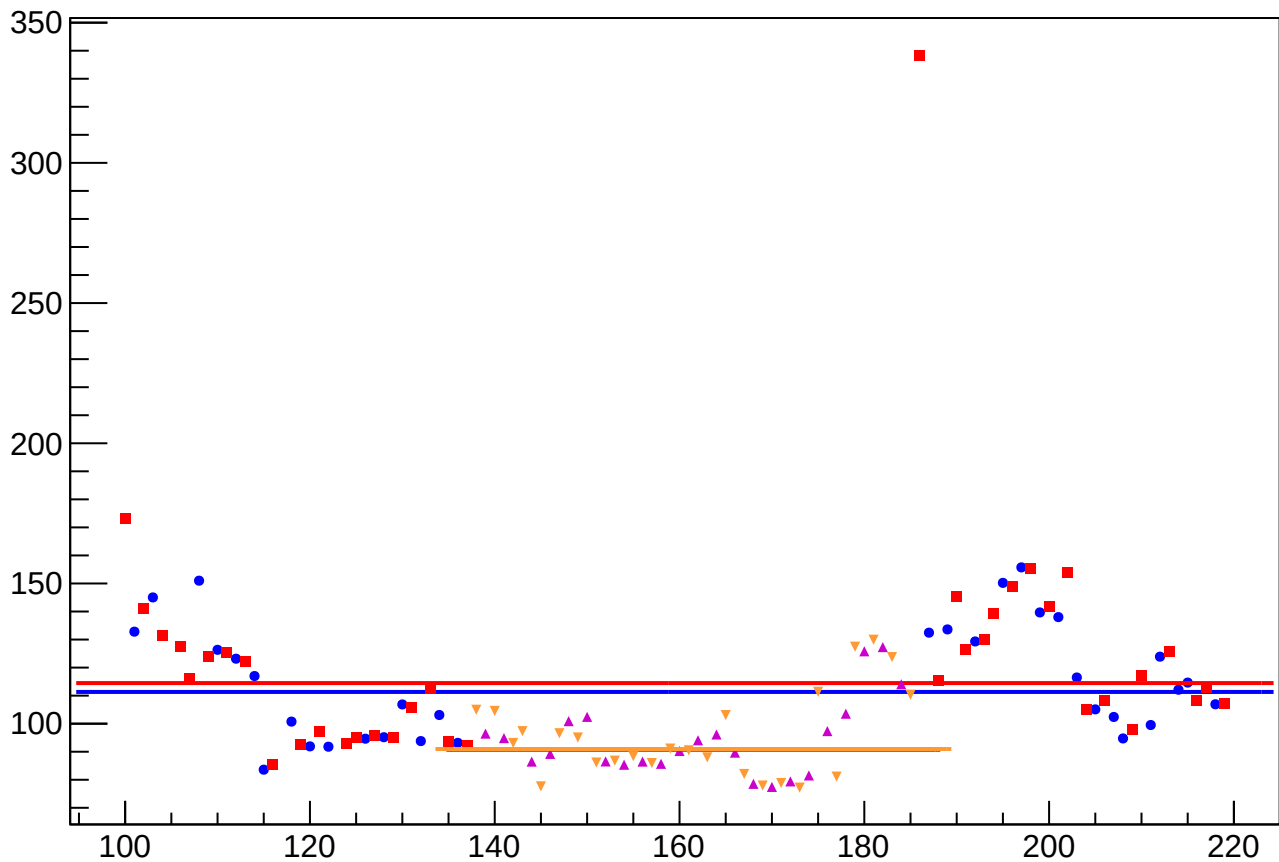
Left In: -10.412 $\pm$ 21.503 χ^2 /NDF: 22.6/22

+ sign 12.687 $\pm$ 16.144 χ^2 /NDF: 66.1/56

All: -7.513 $\pm$ 11.496 χ^2 /NDF: 139.4/116

- sign -28.297 $\pm$ 16.375 χ^2 /NDF: 70.1/59

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.320 $\pm$ 0.018 χ^2 /NDF: 1018046.7/31

Left Out: 90.967 $\pm$ 0.015 χ^2 /NDF: 784523.6/24

+ sign 99.277 $\pm$ 0.011 χ^2 /NDF: 2570594.6/56

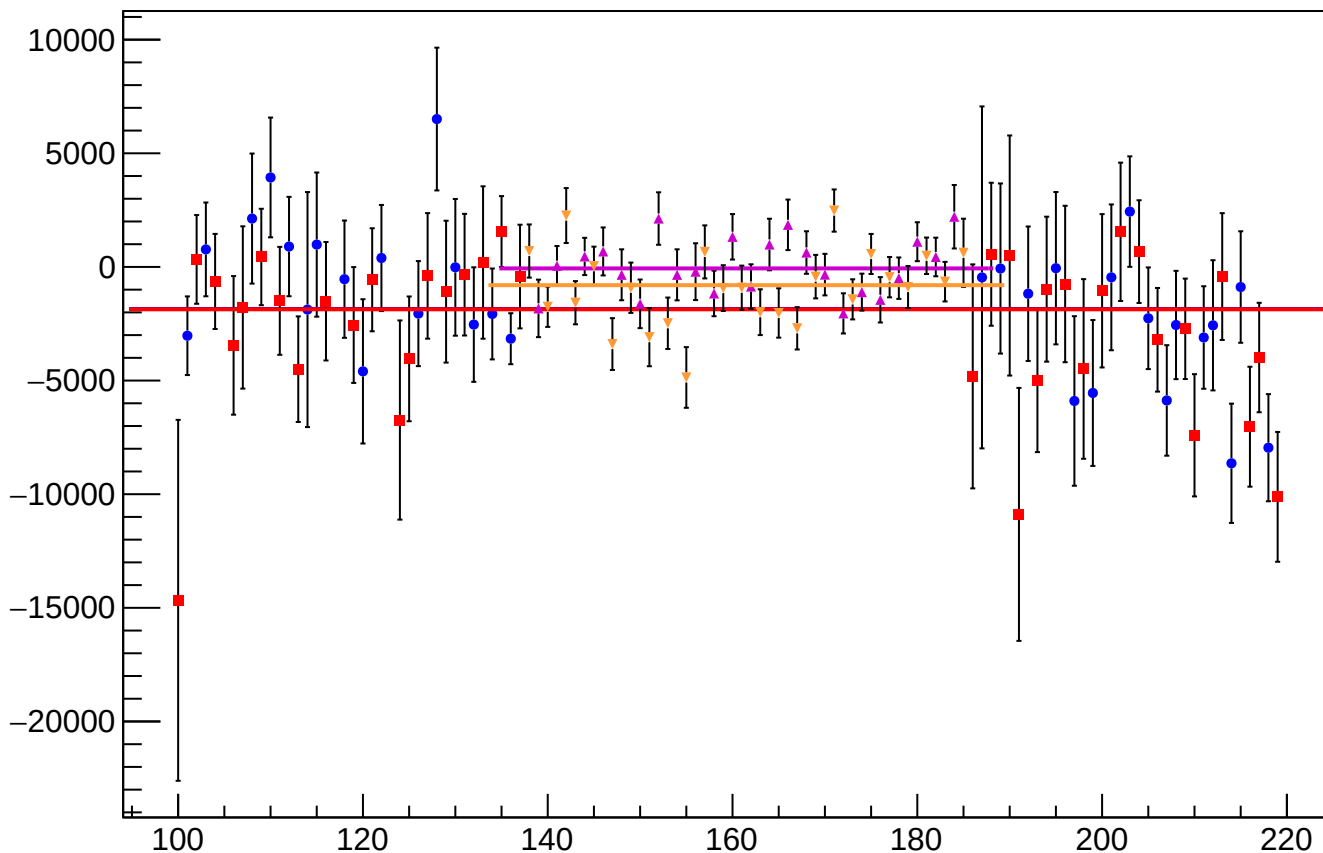
Right Out: 114.482 $\pm$ 0.018 χ^2 /NDF: 1377595.8/36

All: 99.971 $\pm$ 0.008 χ^2 /NDF: 5530241.1/116

- sign 100.685 $\pm$ 0.012 χ^2 /NDF: 2952144.6/59

Left In: 90.690 $\pm$ 0.015 χ^2 /NDF: 545969.6/22

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1850.714 ± 434.432 χ^2/NDF : 45.2/31

Left Out: -802.532 ± 199.851 χ^2/NDF : 58.3/24

Right Out: -1863.935 ± 443.898 χ^2/NDF : 41.4/36

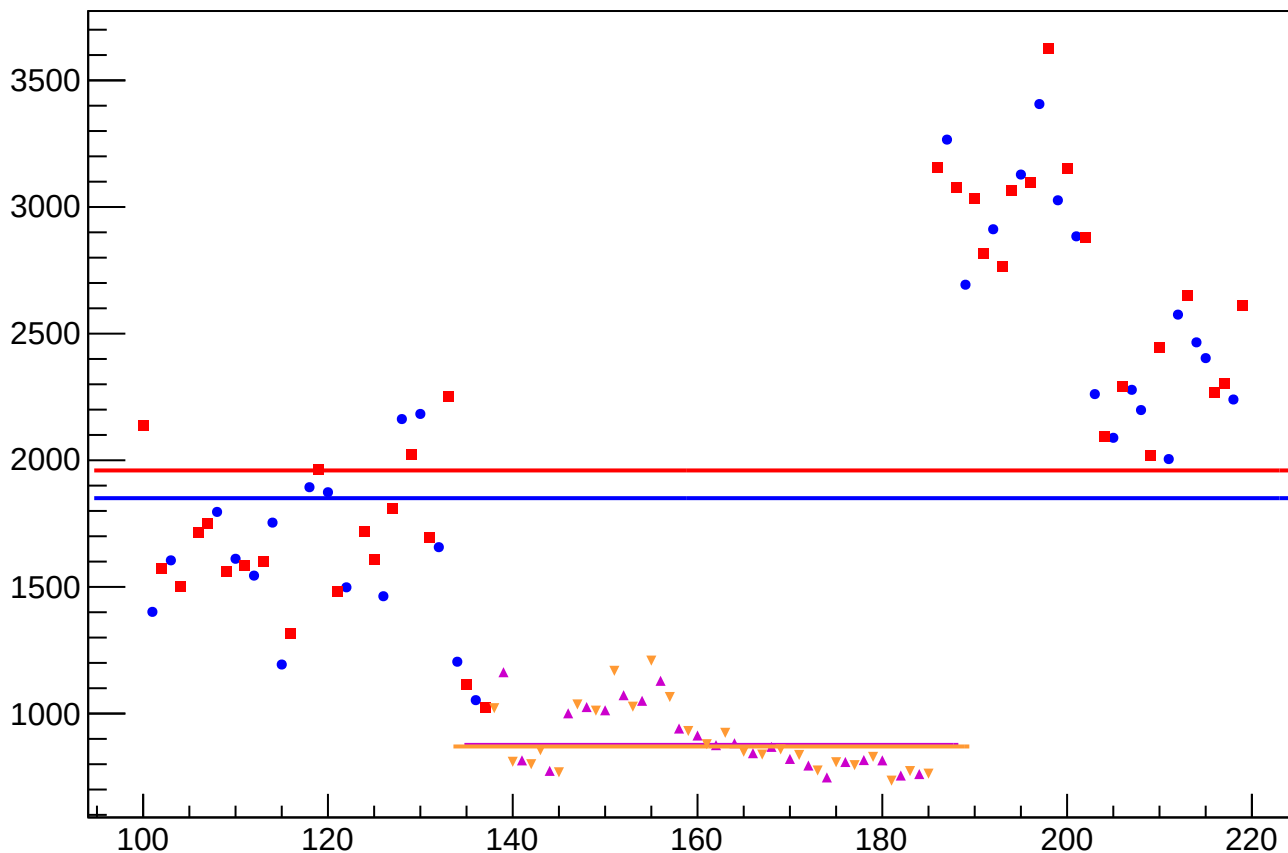
Left In: -65.218 ± 206.677 χ^2/NDF : 30.7/22

+ sign -985.610 ± 181.561 χ^2/NDF : 108.4/56

All: -695.078 ± 130.386 χ^2/NDF : 199.3/116

- sign -385.676 ± 187.364 χ^2/NDF : 85.6/59

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1850.450+/-0.307 χ^2/NDF : 3816530.5/31

Left Out: 870.009+/-0.141 χ^2/NDF : 647274.1/24

+ sign 1041.255+/-0.128 χ^2/NDF : 12871174.4/56

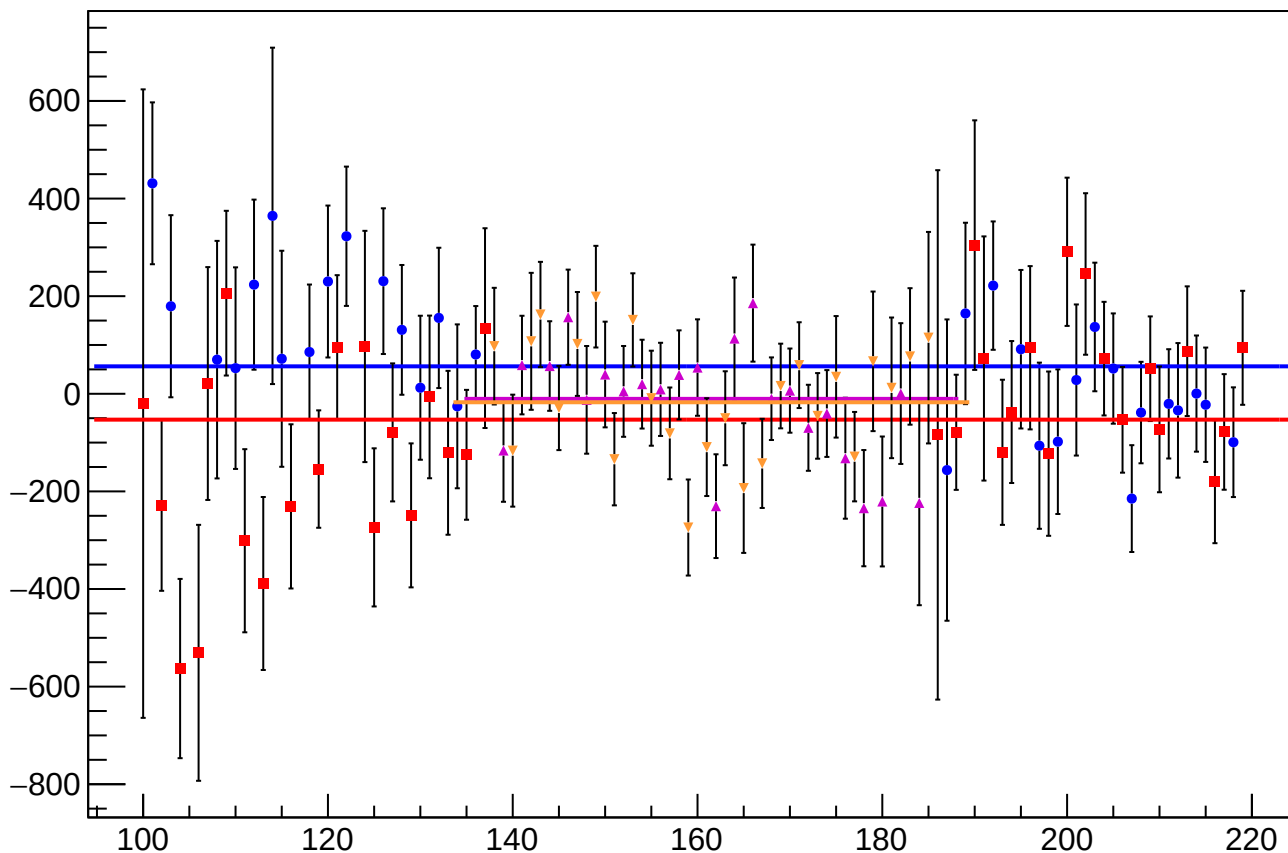
Right Out: 1959.867+/-0.314 χ^2/NDF : 3861827.9/36

All: 1054.848+/-0.092 χ^2/NDF : 27147921.0/100

Left In: 876.273+/-0.146 χ^2/NDF : 597200.7/22

- sign 1069.325+/-0.132 χ^2/NDF : 14253596.0/59

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 56.232 $\pm$ 25.265 χ^2/NDF : 29.9/31

Left Out: -17.356 $\pm$ 20.987 χ^2/NDF : 31.2/24

Right Out: -52.983 $\pm$ 25.264 χ^2/NDF : 45.8/36

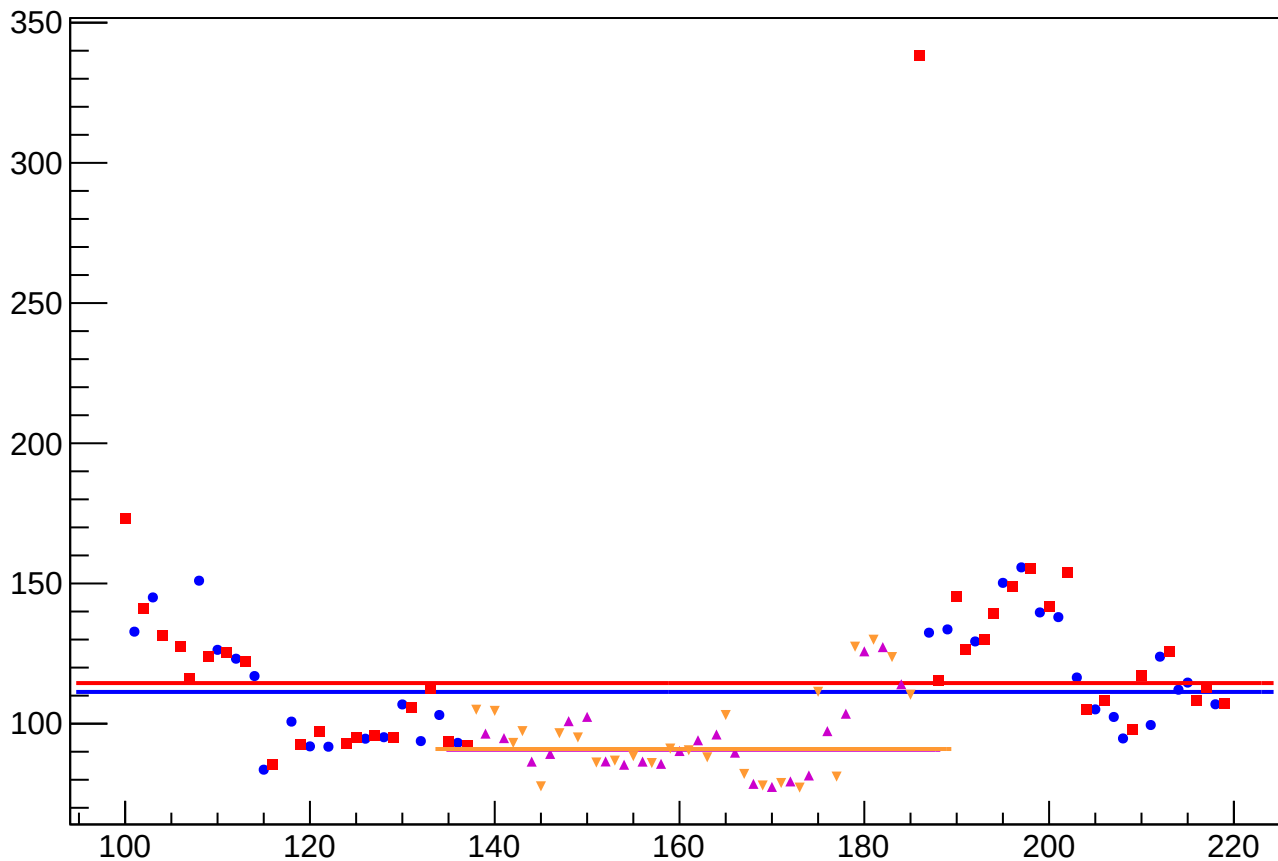
Left In: -10.412 $\pm$ 21.503 χ^2/NDF : 22.6/22

+ sign 12.689 $\pm$ 16.144 χ^2/NDF : 66.1/56

All: -7.512 $\pm$ 11.496 χ^2/NDF : 139.4/116

- sign -28.296 $\pm$ 16.375 χ^2/NDF : 70.1/59

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.320 ± 0.018 χ^2/NDF : 1018060.7/31

Left Out: 90.967 ± 0.015 χ^2/NDF : 784529.9/24

Right Out: 114.482 ± 0.018 χ^2/NDF : 1377614.9/36

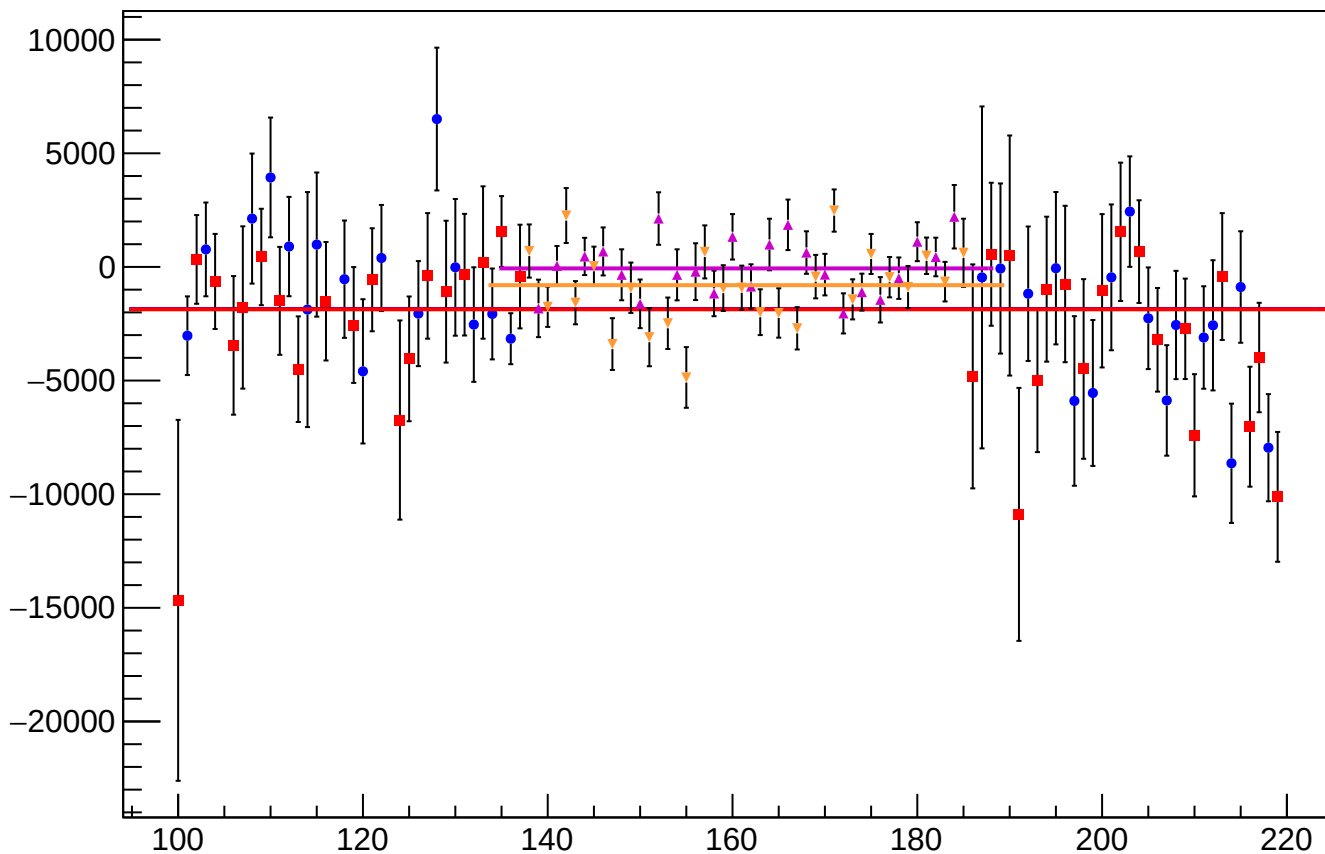
Left In: 90.690 ± 0.015 χ^2/NDF : 545960.7/22

+ sign 99.277 ± 0.011 χ^2/NDF : 2570570.9/56

All: 99.971 ± 0.008 χ^2/NDF : 5530198.1/116

- sign 100.685 ± 0.012 χ^2/NDF : 2952125.9/59

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug



Right In: -1850.710 ± 434.432 χ^2/NDF : 45.2/31

Left Out: -802.531 ± 199.851 χ^2/NDF : 58.3/24

Right Out: -1863.931 ± 443.897 χ^2/NDF : 41.4/36

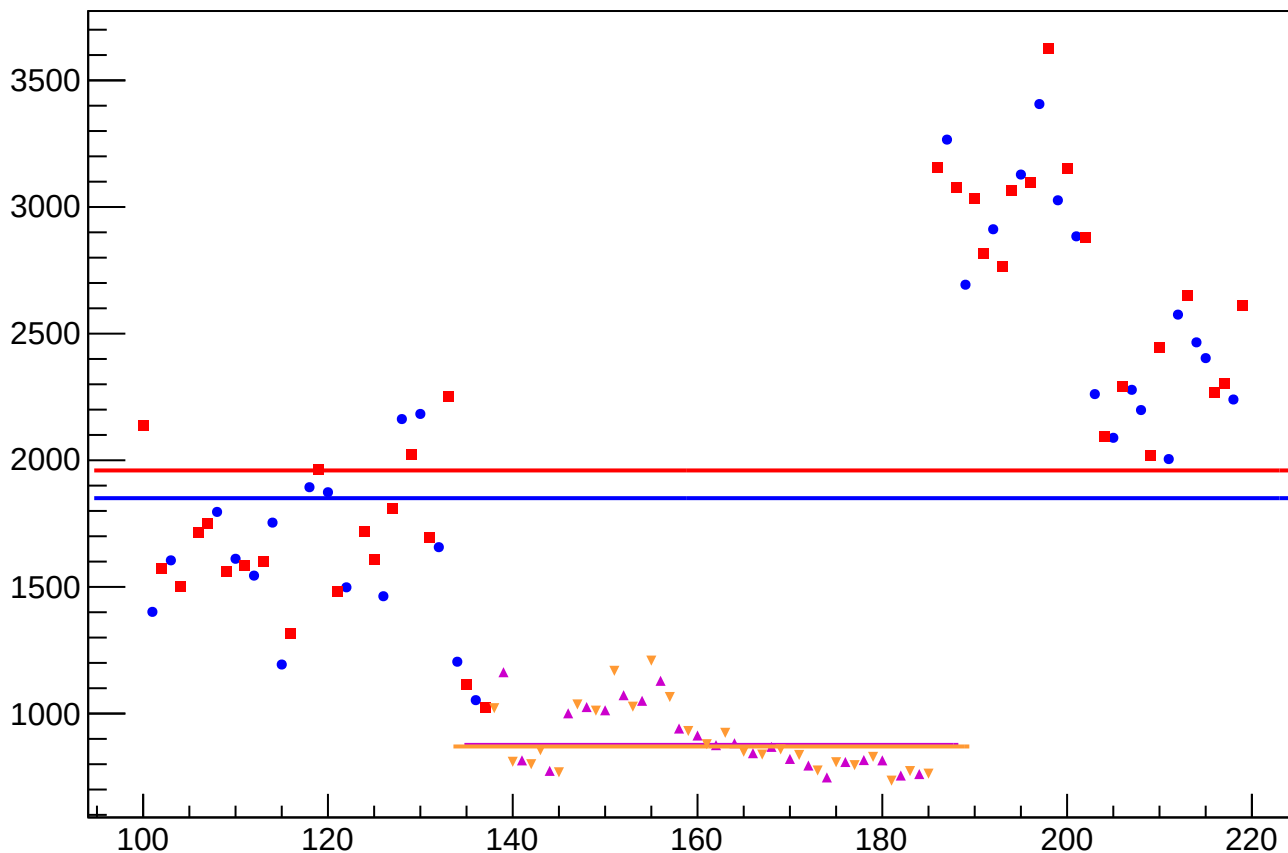
Left In: -65.218 ± 206.677 χ^2/NDF : 30.7/22

+ sign -985.609 ± 181.561 χ^2/NDF : 108.4/56

All: -695.077 ± 130.386 χ^2/NDF : 199.3/116

- sign -385.675 ± 187.364 χ^2/NDF : 85.6/59

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug



Right In: 1850.447 $\pm$ 0.307 χ^2 /NDF: 3816540.1/31

Left Out: 870.008 $\pm$ 0.141 χ^2 /NDF: 647275.9/24

+ sign 1041.254 $\pm$ 0.128 χ^2 /NDF: 12871173.4/56

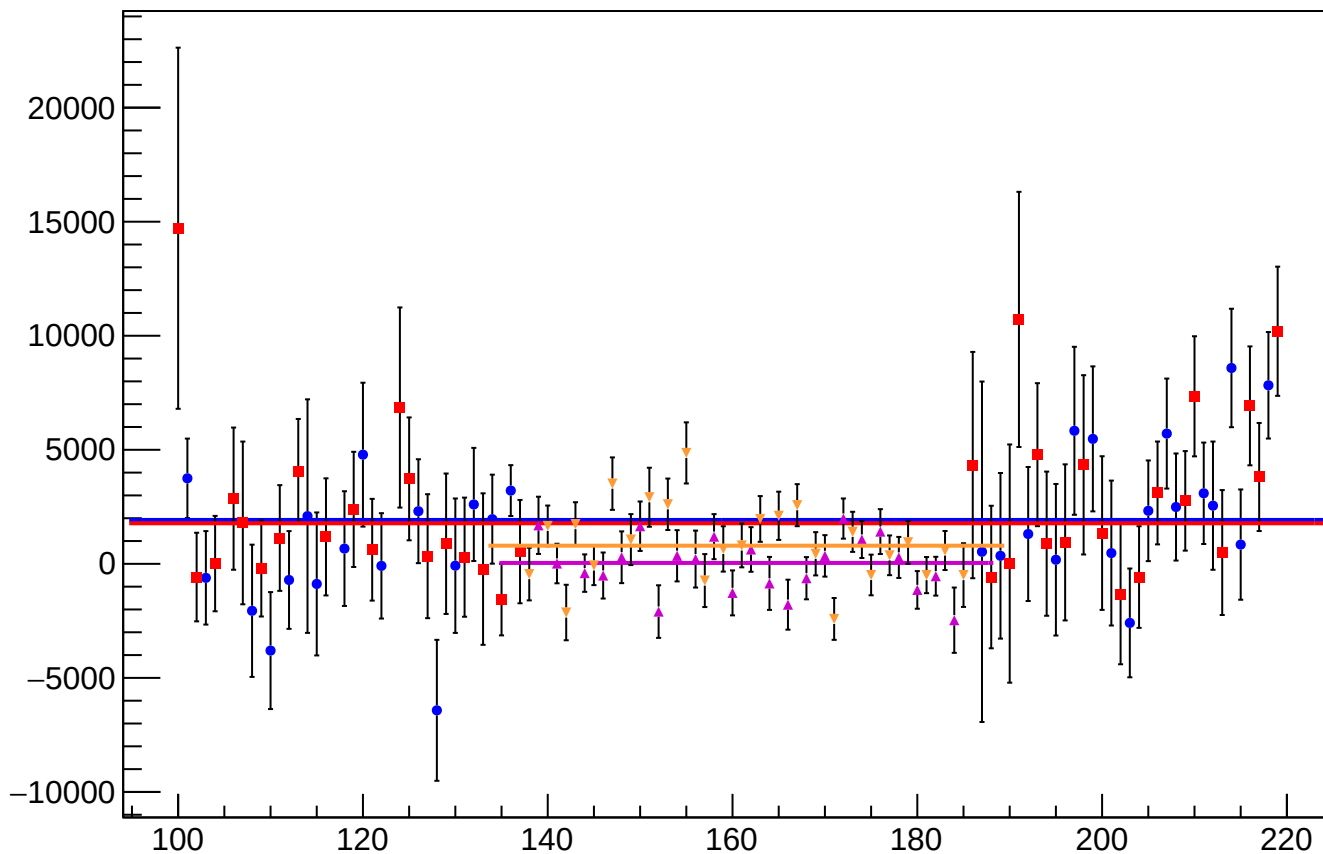
Right Out: 1959.864 $\pm$ 0.314 χ^2 /NDF: 3861842.1/36

All: 1054.848 $\pm$ 0.092 χ^2 /NDF: 27147922.0/100

Left In: 876.272 $\pm$ 0.146 χ^2 /NDF: 597200.9/22

- sign 1069.324 $\pm$ 0.132 χ^2 /NDF: 14253598.3/59

asym_sam_24_68_dd_mean vs Slug



Right In: 1924.922 $\pm$ 429.392 χ^2 /NDF: 45.6/31

Left Out: 796.287 $\pm$ 198.802 χ^2 /NDF: 57.2/24

Right Out: 1777.859 $\pm$ 439.914 χ^2 /NDF: 40.9/36

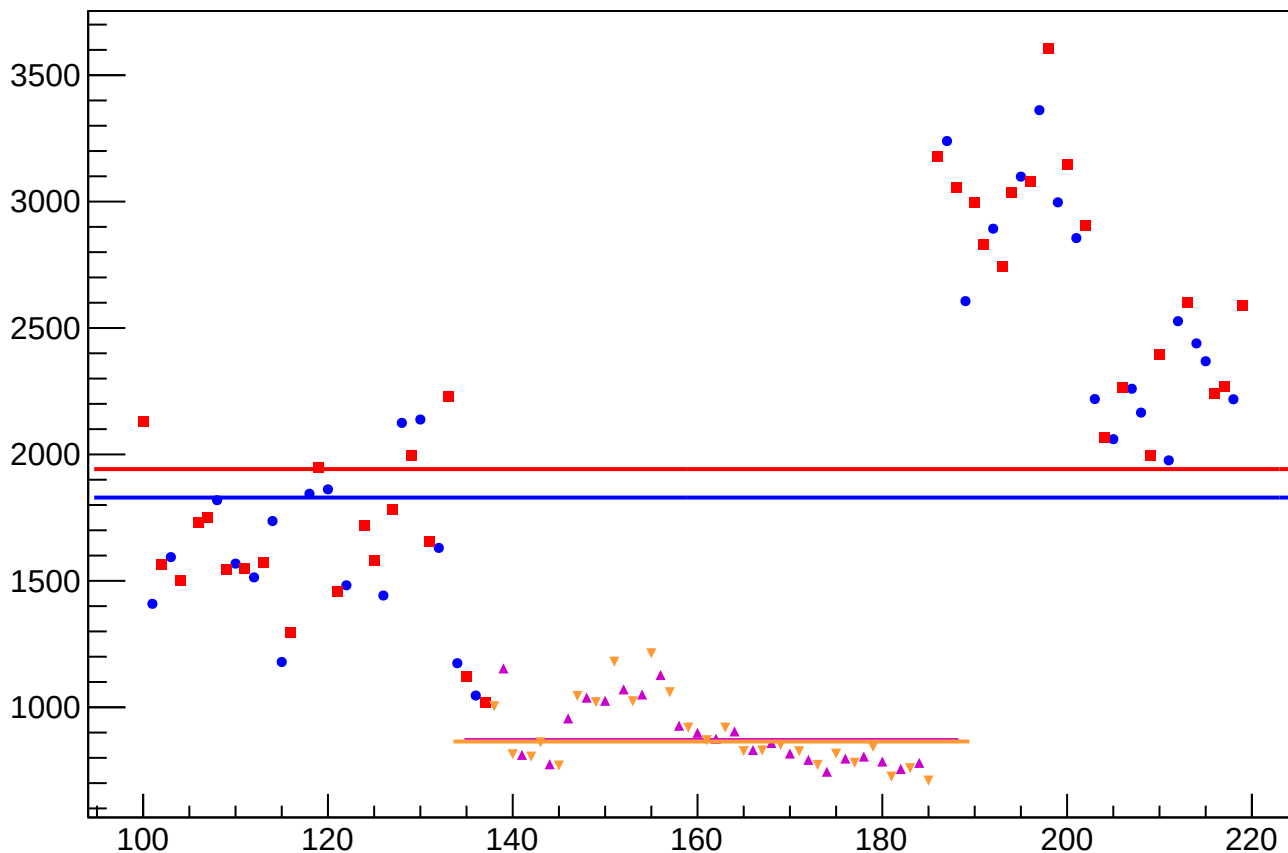
Left In: 39.746 $\pm$ 205.349 χ^2 /NDF: 29.7/22

+ sign 995.511 $\pm$ 180.405 χ^2 /NDF: 108.5/56

All: 683.087 $\pm$ 129.524 χ^2 /NDF: 198.2/116

- sign 350.716 $\pm$ 186.075 χ^2 /NDF: 83.5/59

asym_sam_24_68_dd_rms vs Slug



Right In: 1829.403 ± 0.304 $\chi^2/\text{NDF}: 3781019.4/31$

Left Out: 864.637 ± 0.141 $\chi^2/\text{NDF}: 688948.2/24$

+ sign 1034.935 ± 0.128 $\chi^2/\text{NDF}: 12784155.2/56$

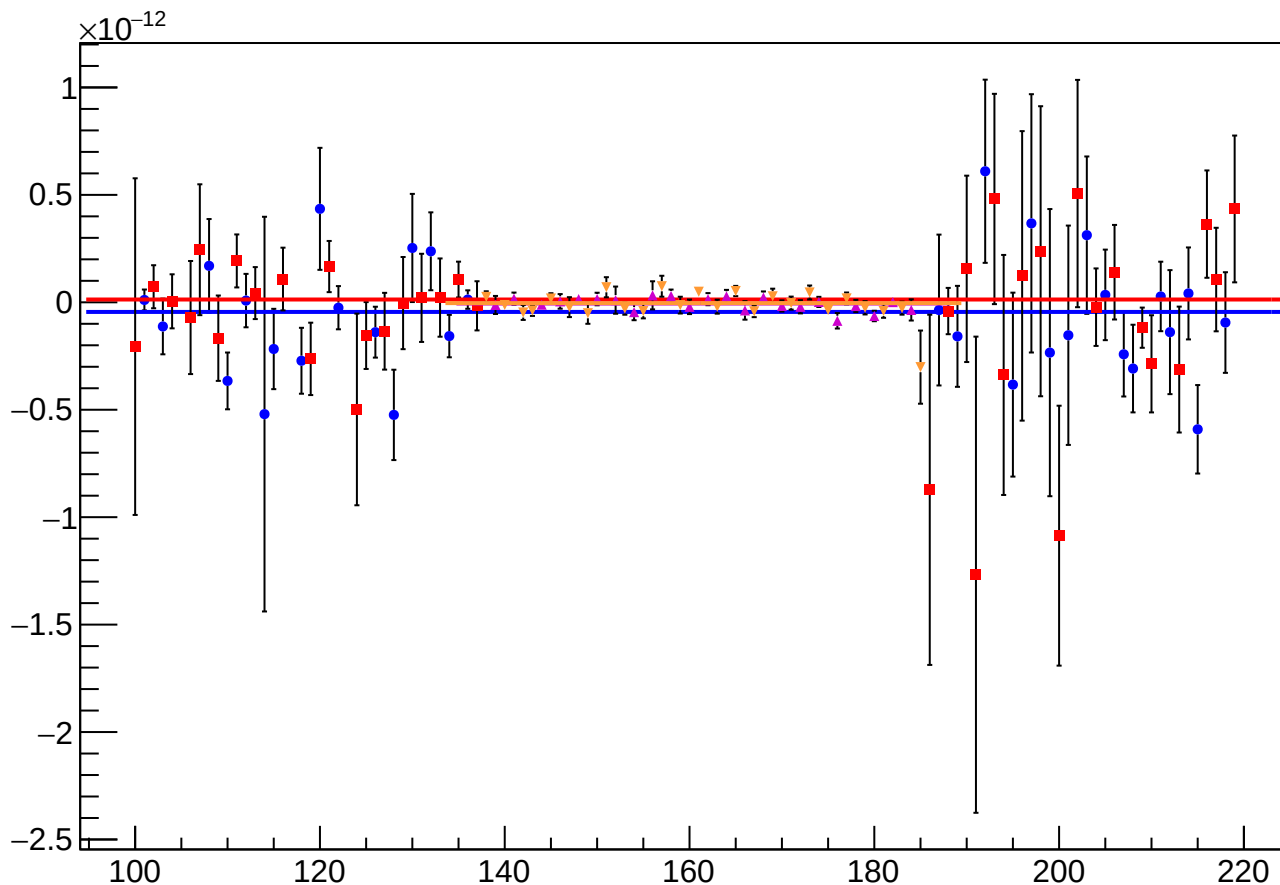
Right Out: 1942.032 ± 0.311 $\chi^2/\text{NDF}: 3854609.0/36$

All: 1048.089 ± 0.092 $\chi^2/\text{NDF}: 27011054.1/100$

- sign 1062.084 ± 0.132 $\chi^2/\text{NDF}: 14204952.2/59$

Left In: 870.346 ± 0.145 $\chi^2/\text{NDF}: 604520.6/22$

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.7/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 38.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.8/36

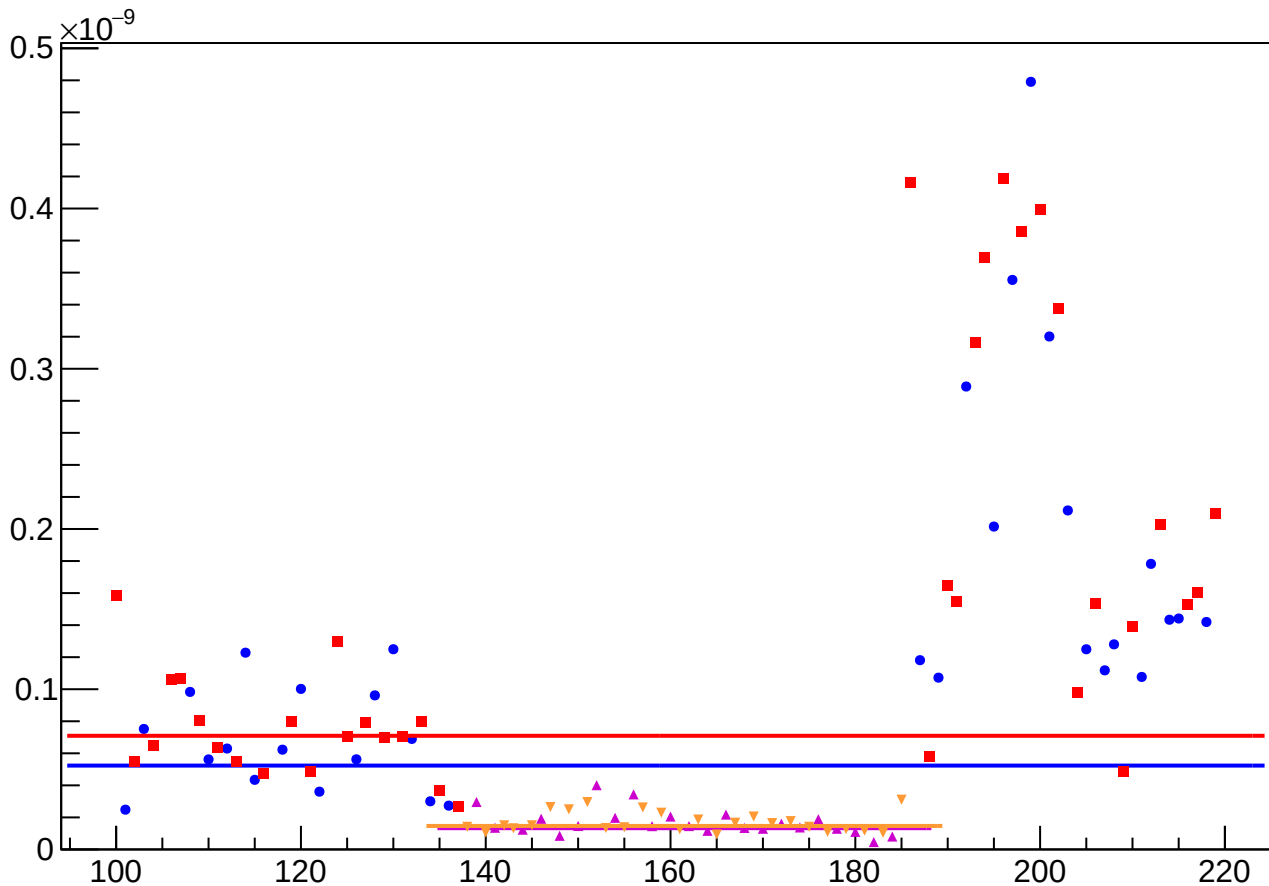
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 84.3/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 136.2/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 51.9/59

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7646984.5/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1073691.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6480825.8/36

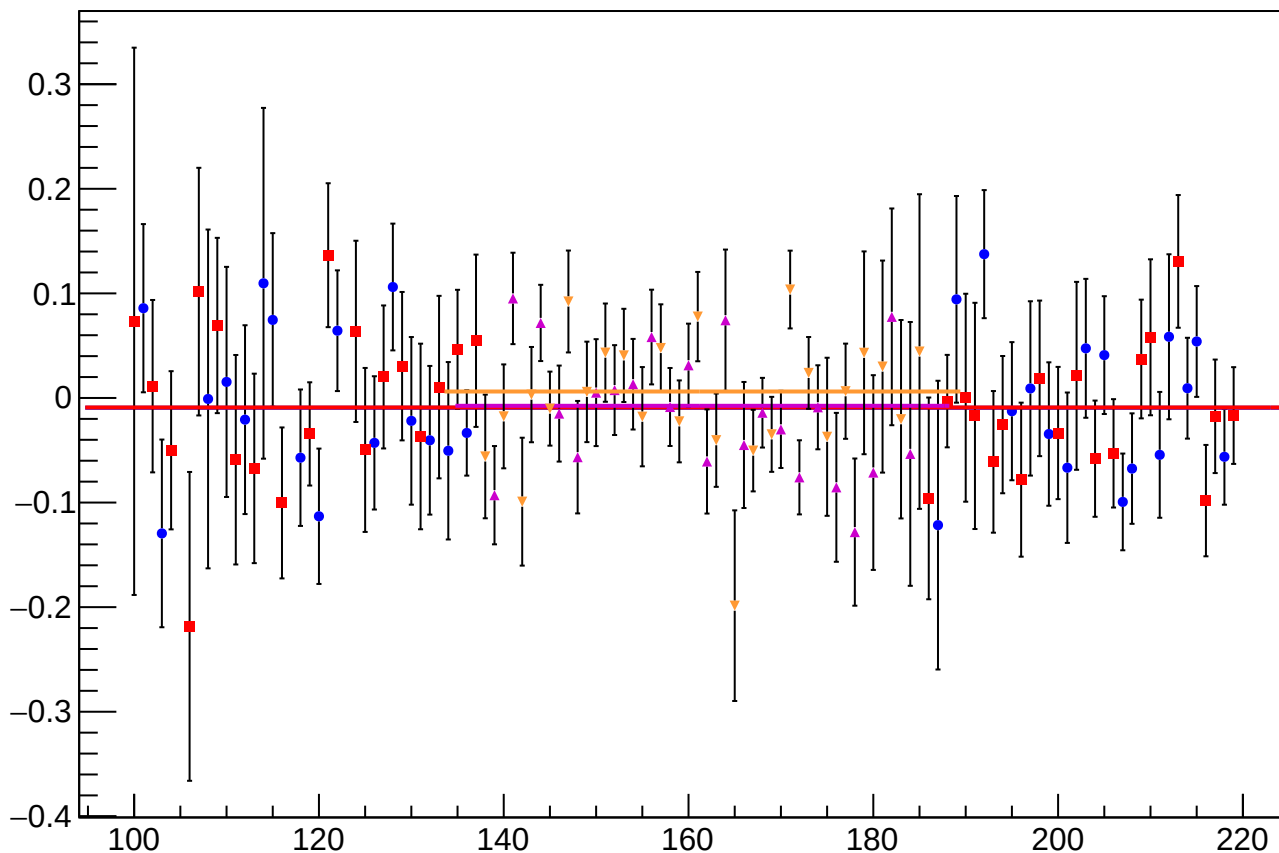
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1970835.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13605954.3/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29918511.8/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16263784.3/59

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.009 ± 0.012 χ^2/NDF : 33.0/31

Left Out: 0.006 ± 0.010 χ^2/NDF : 30.8/24

Right Out: -0.009 ± 0.011 χ^2/NDF : 27.8/36

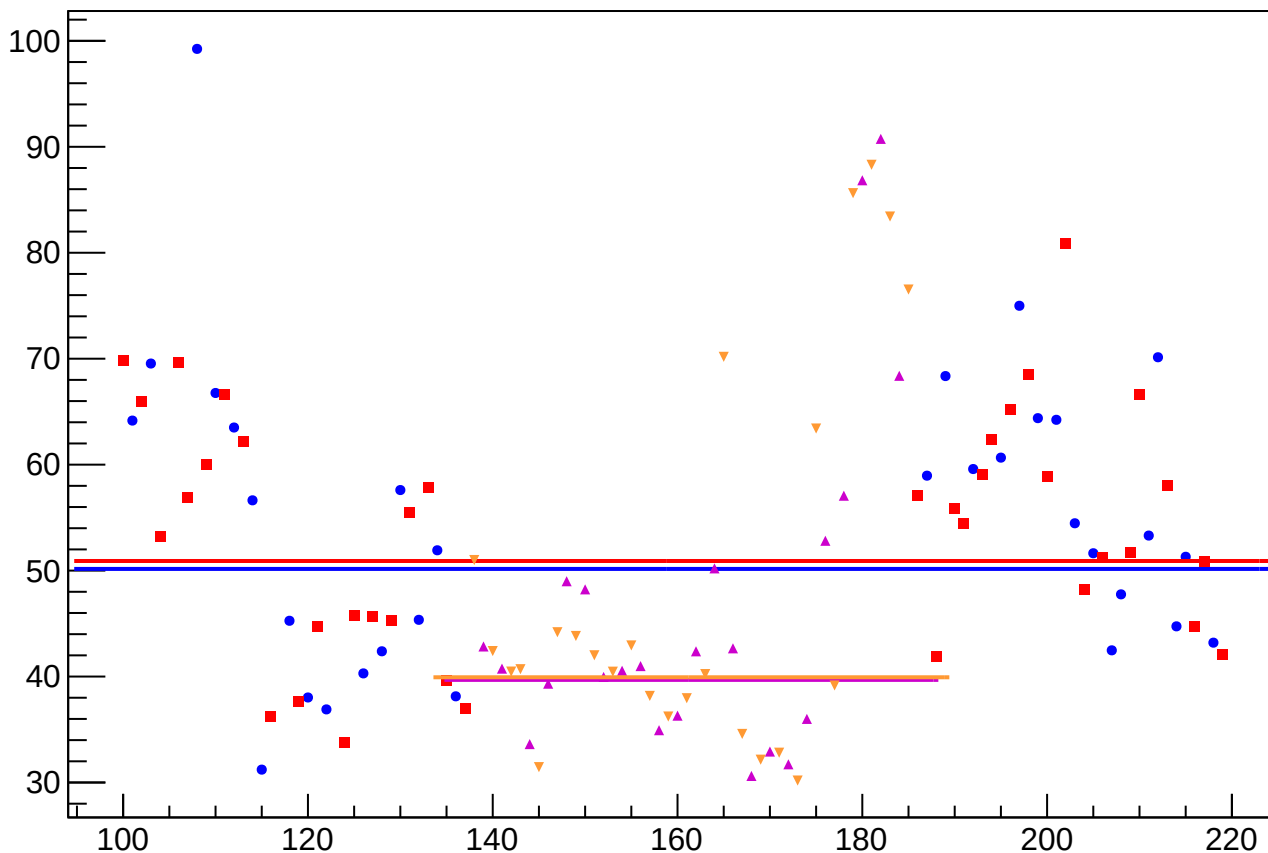
Left In: -0.007 ± 0.010 χ^2/NDF : 30.4/22

+ sign -0.000 ± 0.007 χ^2/NDF : 64.9/56

All: -0.004 ± 0.005 χ^2/NDF : 123.8/116

- sign -0.008 ± 0.007 χ^2/NDF : 58.3/59

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 50.158 $\pm$ 0.008 χ^2 /NDF: 1792744.8/31

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475485.4/24

Right Out: 50.907 $\pm$ 0.008 χ^2 /NDF: 1575642.8/36

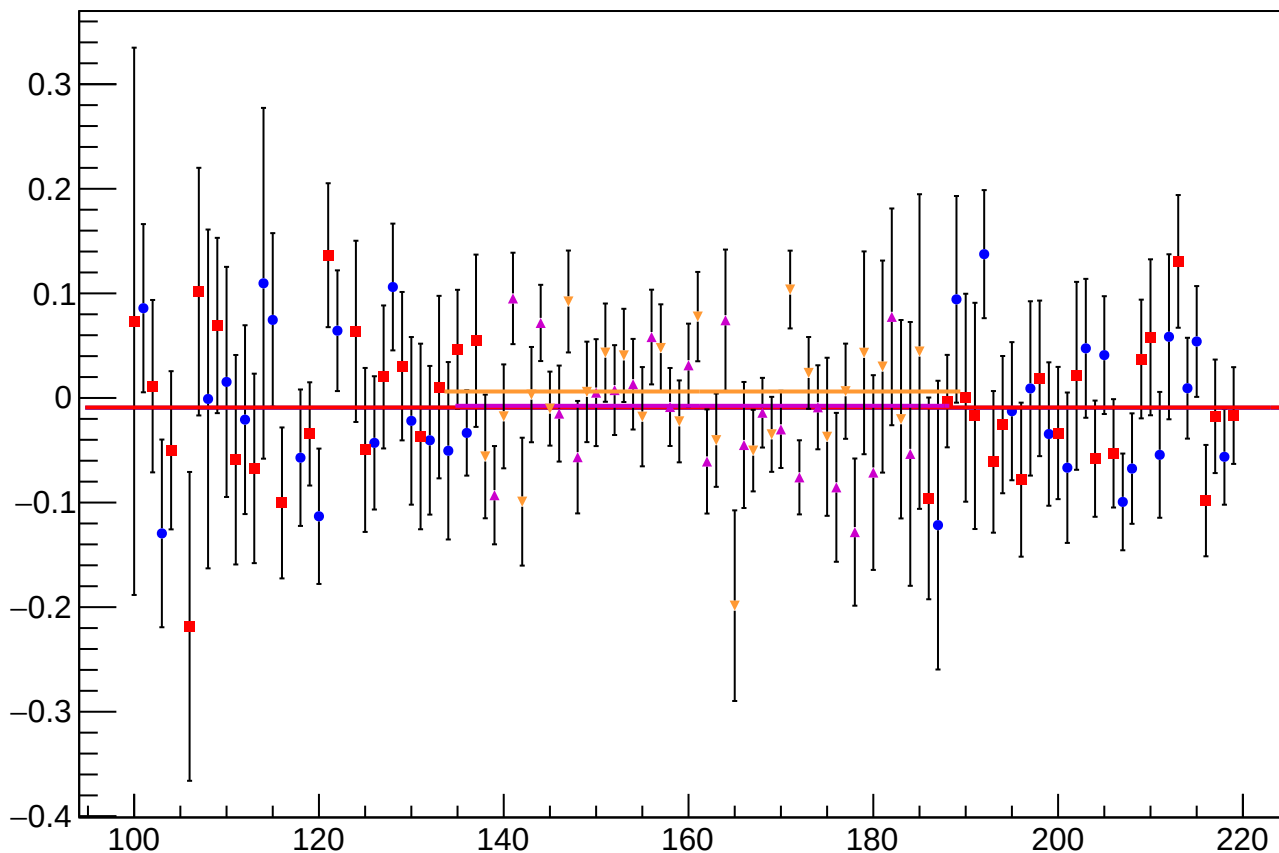
Left In: 39.686 $\pm$ 0.007 χ^2 /NDF: 1915871.4/22

+ sign 44.049 $\pm$ 0.005 χ^2 /NDF: 5187835.8/56

All: 44.235 $\pm$ 0.004 χ^2 /NDF: 9794470.3/116

- sign 44.423 $\pm$ 0.005 χ^2 /NDF: 4604093.2/59

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009 ± 0.012 χ^2/NDF : 33.0/31

Left Out: 0.006 ± 0.010 χ^2/NDF : 30.8/24

Right Out: -0.009 ± 0.011 χ^2/NDF : 27.8/36

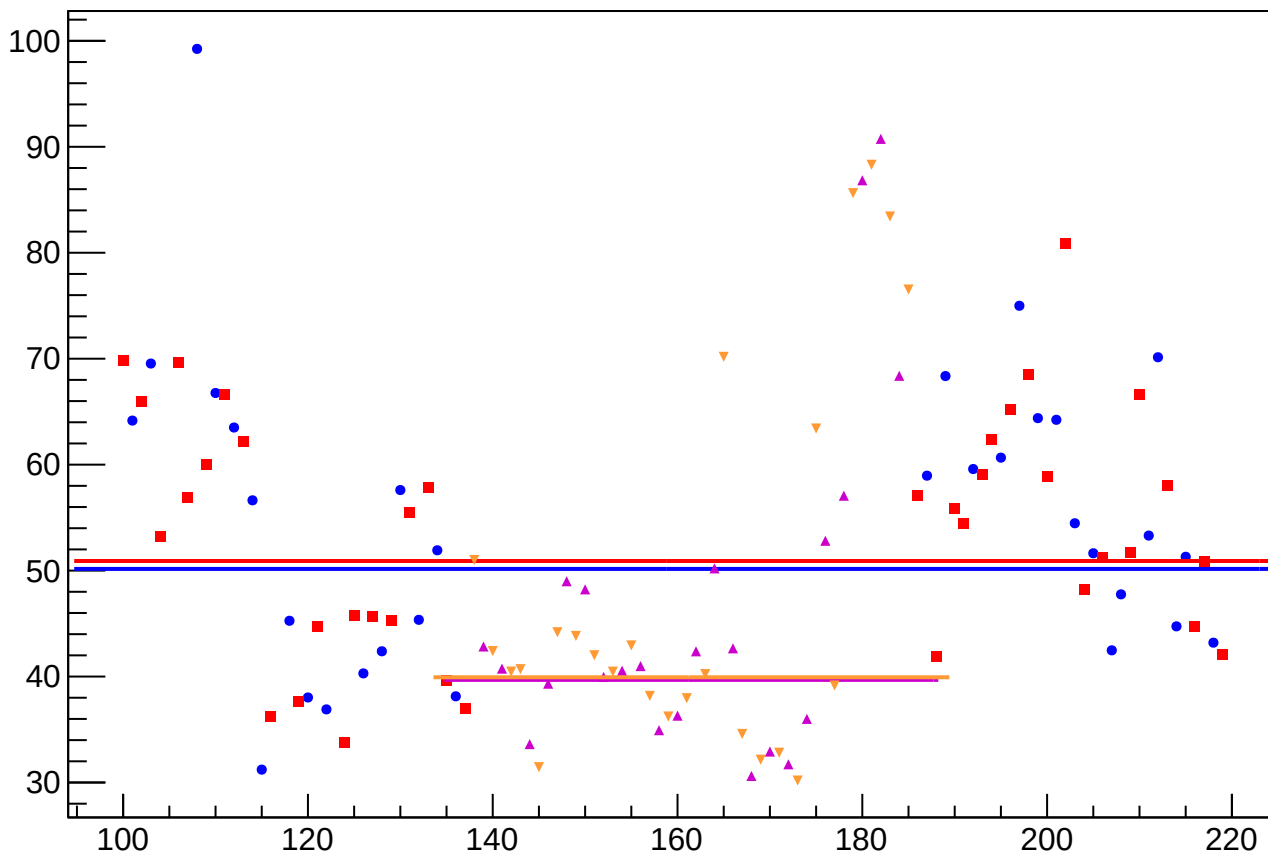
Left In: -0.007 ± 0.010 χ^2/NDF : 30.4/22

+ sign -0.000 ± 0.007 χ^2/NDF : 64.9/56

All: -0.004 ± 0.005 χ^2/NDF : 123.8/116

- sign -0.008 ± 0.007 χ^2/NDF : 58.3/59

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.158 $\pm$ 0.008 χ^2 /NDF: 1792744.8/31

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475485.4/24

Right Out: 50.907 $\pm$ 0.008 χ^2 /NDF: 1575642.8/36

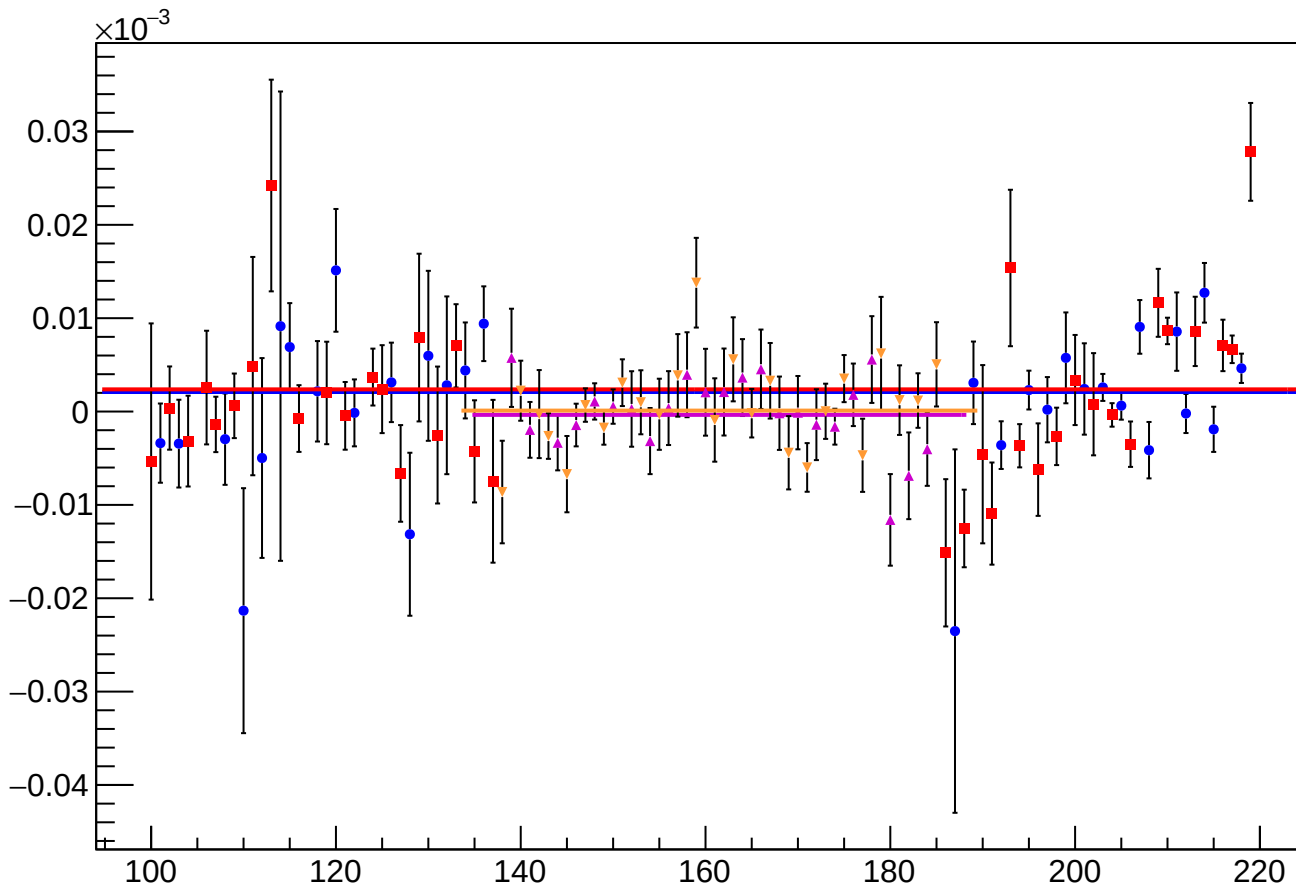
Left In: 39.686 $\pm$ 0.007 χ^2 /NDF: 1915871.4/22

+ sign 44.049 $\pm$ 0.005 χ^2 /NDF: 5187835.8/56

All: 44.235 $\pm$ 0.004 χ^2 /NDF: 9794470.3/116

- sign 44.423 $\pm$ 0.005 χ^2 /NDF: 4604093.2/59

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 58.8/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 33.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 130.2/36

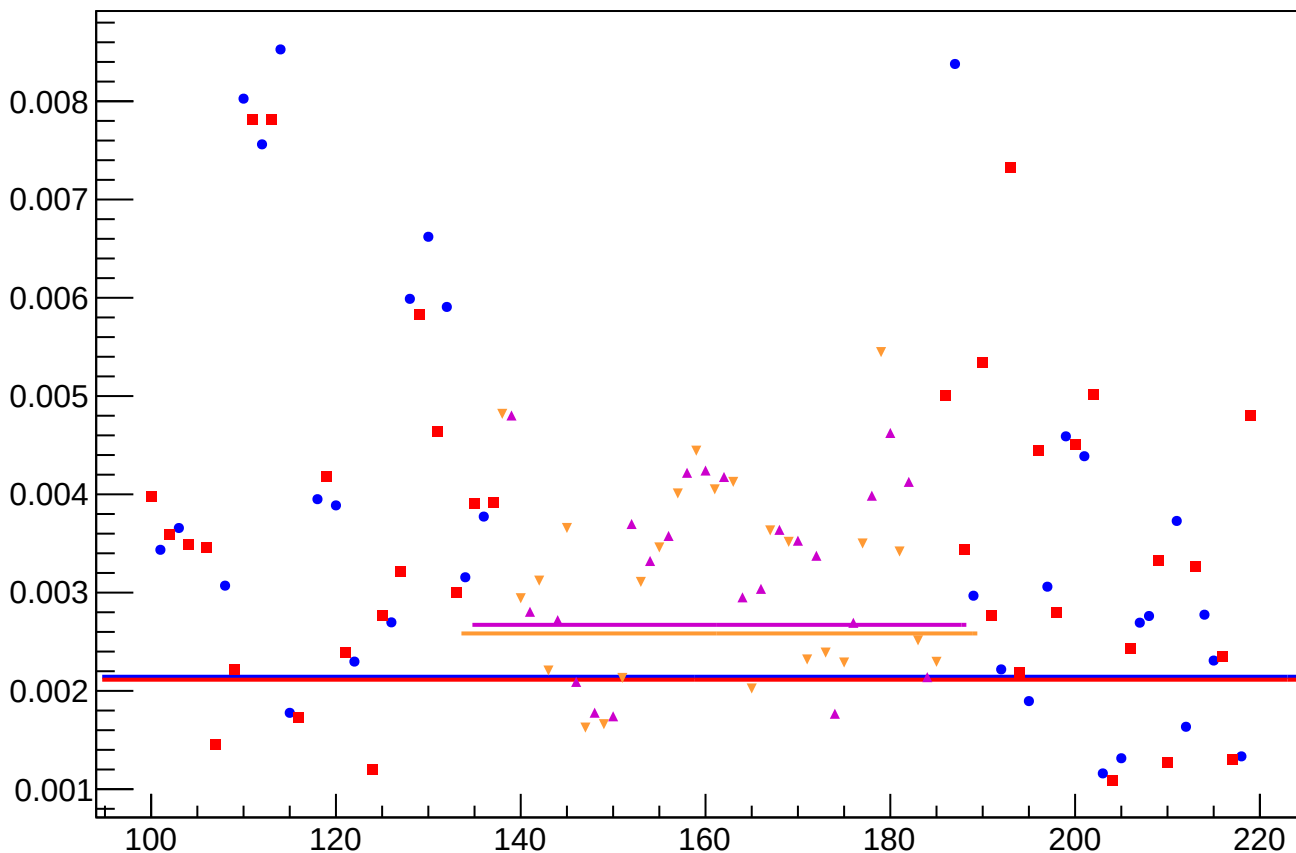
Left In: -0.000 ± 0.000 χ^2/NDF : 18.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 97.7/56

All: 0.000 ± 0.000 χ^2/NDF : 256.7/116

- sign 0.000 ± 0.000 χ^2/NDF : 159.0/59

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 7603651.5/31

Left Out: 0.003+/-0.000 χ^2/NDF : 3892707.7/24

Right Out: 0.002+/-0.000 χ^2/NDF : 9929386.7/36

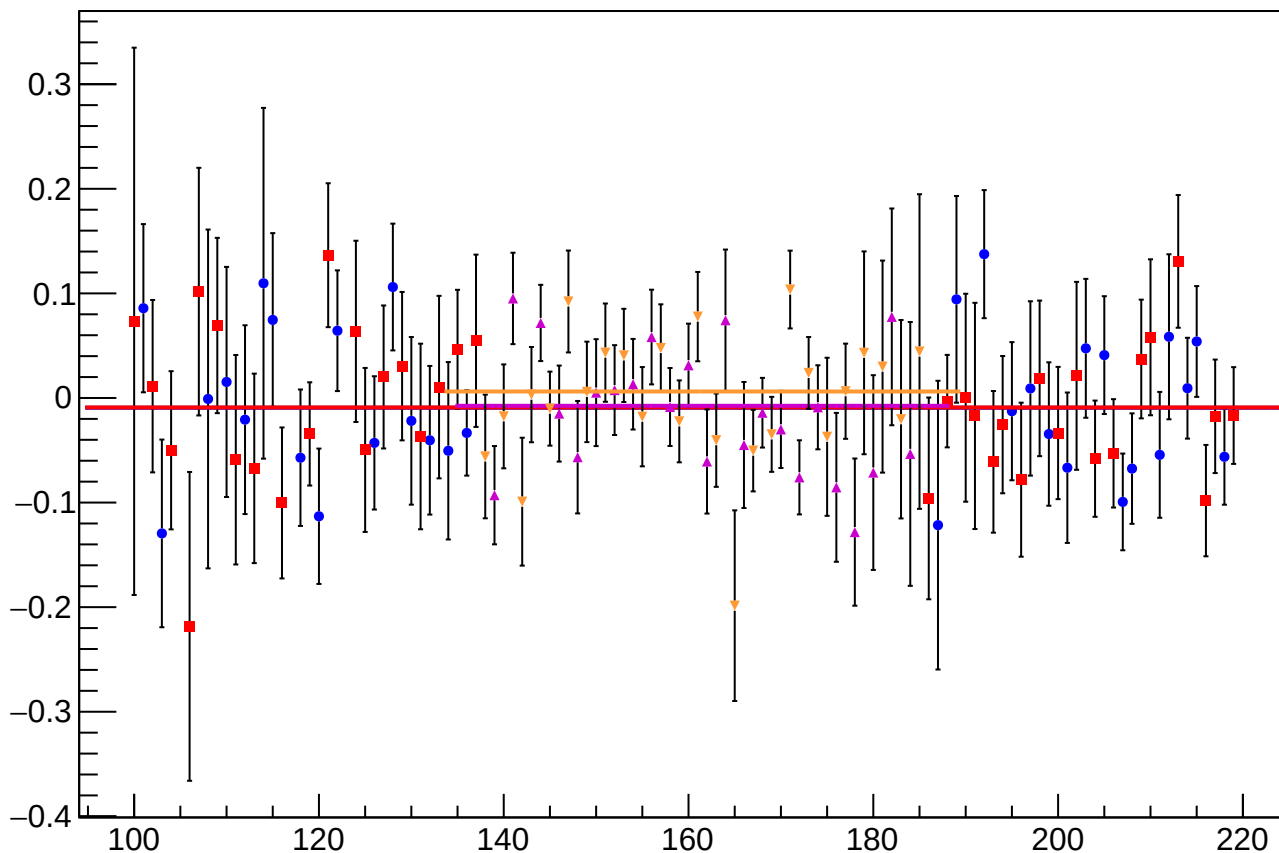
Left In: 0.003+/-0.000 χ^2/NDF : 3825662.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 12050654.1/56

All: 0.002+/-0.000 χ^2/NDF : 26650935.0/116

- sign 0.002+/-0.000 χ^2/NDF : 14600154.5/59

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.009 ± 0.012 χ^2/NDF : 33.0/31

Left Out: 0.006 ± 0.010 χ^2/NDF : 30.8/24

Right Out: -0.009 ± 0.011 χ^2/NDF : 27.8/36

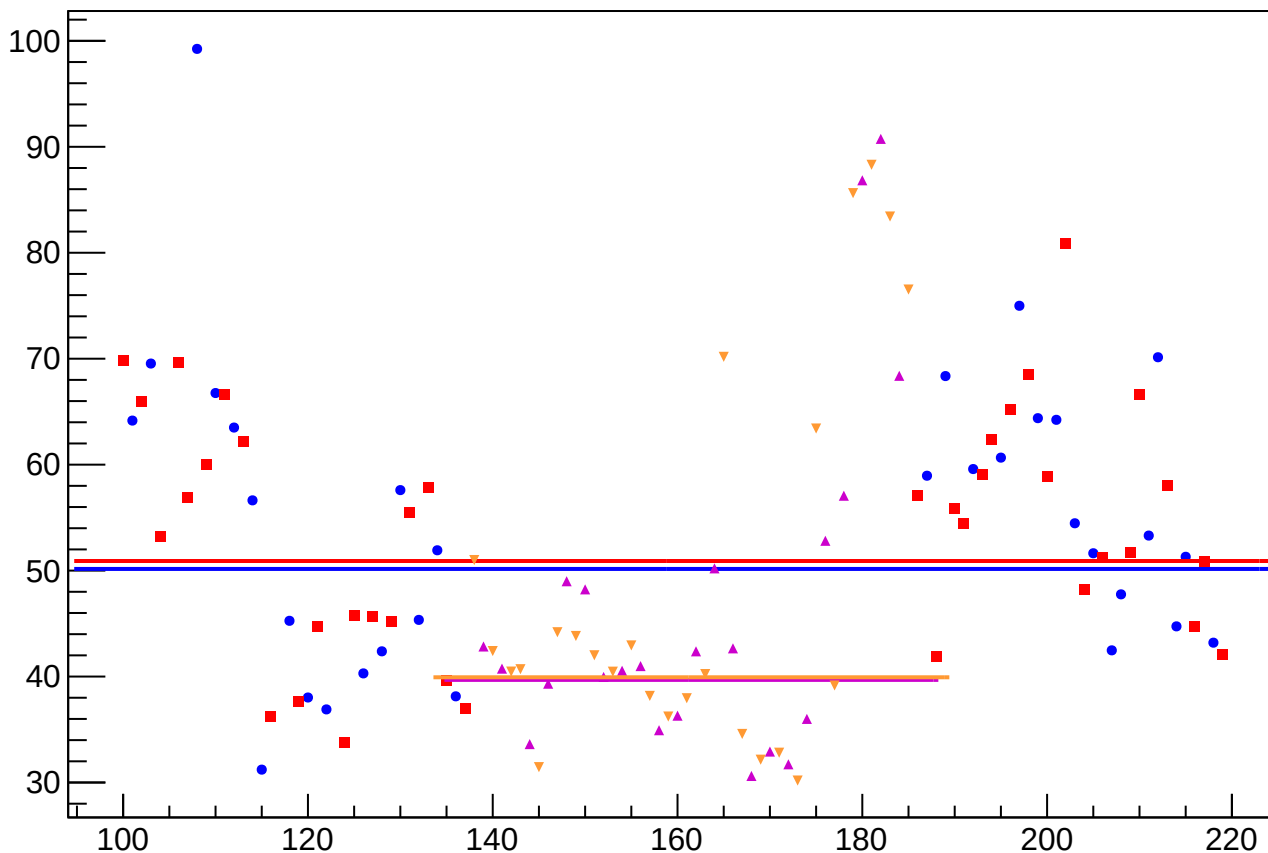
Left In: -0.007 ± 0.010 χ^2/NDF : 30.4/22

+ sign -0.000 ± 0.007 χ^2/NDF : 64.9/56

All: -0.004 ± 0.005 χ^2/NDF : 123.8/116

- sign -0.008 ± 0.007 χ^2/NDF : 58.3/59

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 50.157 $\pm$ 0.008 χ^2 /NDF: 1792822.3/31

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475527.1/24

Right Out: 50.906 $\pm$ 0.008 χ^2 /NDF: 1575710.6/36

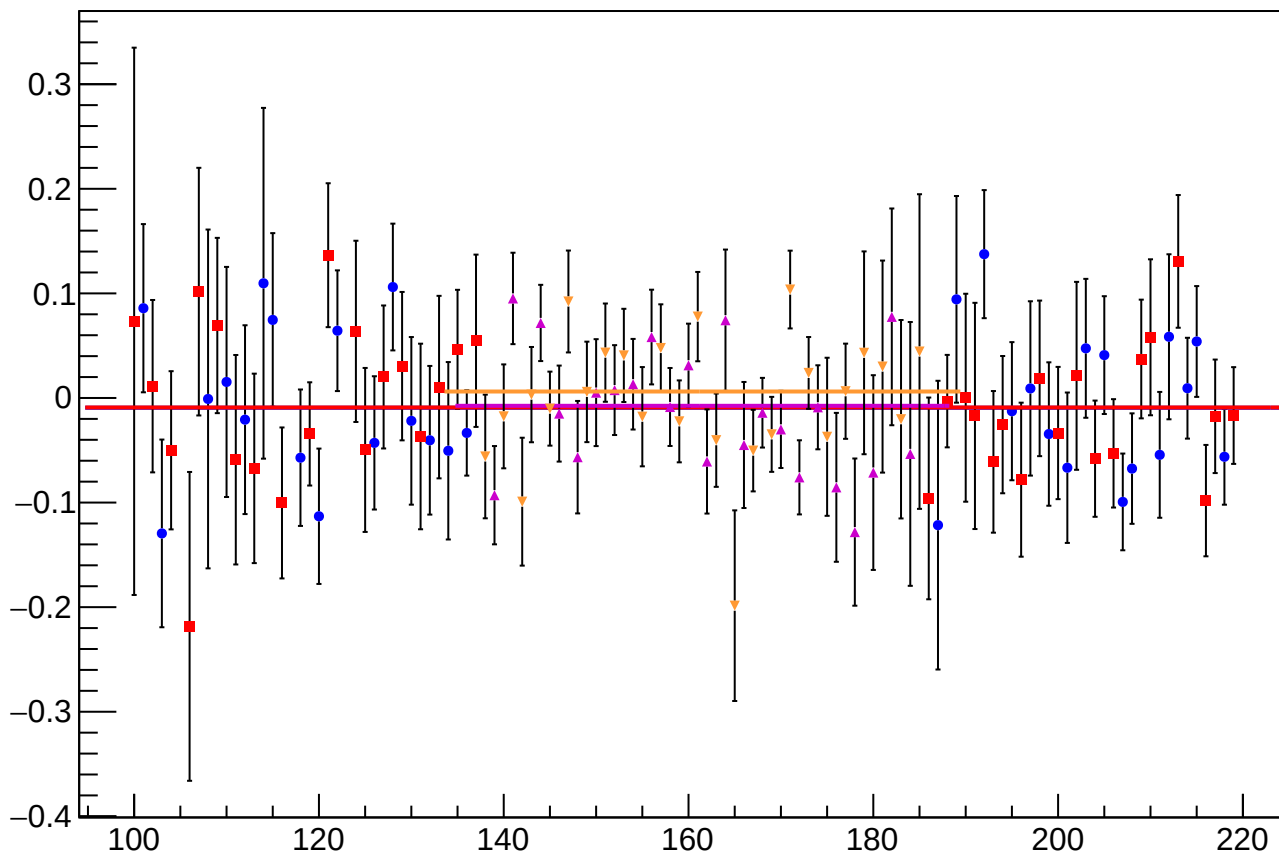
Left In: 39.685 $\pm$ 0.007 χ^2 /NDF: 1915901.2/22

+ sign 44.048 $\pm$ 0.005 χ^2 /NDF: 5187766.0/56

All: 44.234 $\pm$ 0.004 χ^2 /NDF: 9794404.5/116

- sign 44.422 $\pm$ 0.005 χ^2 /NDF: 4604098.6/59

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009 ± 0.012 χ^2/NDF : 33.0/31

Left Out: 0.006 ± 0.010 χ^2/NDF : 30.8/24

Right Out: -0.009 ± 0.011 χ^2/NDF : 27.8/36

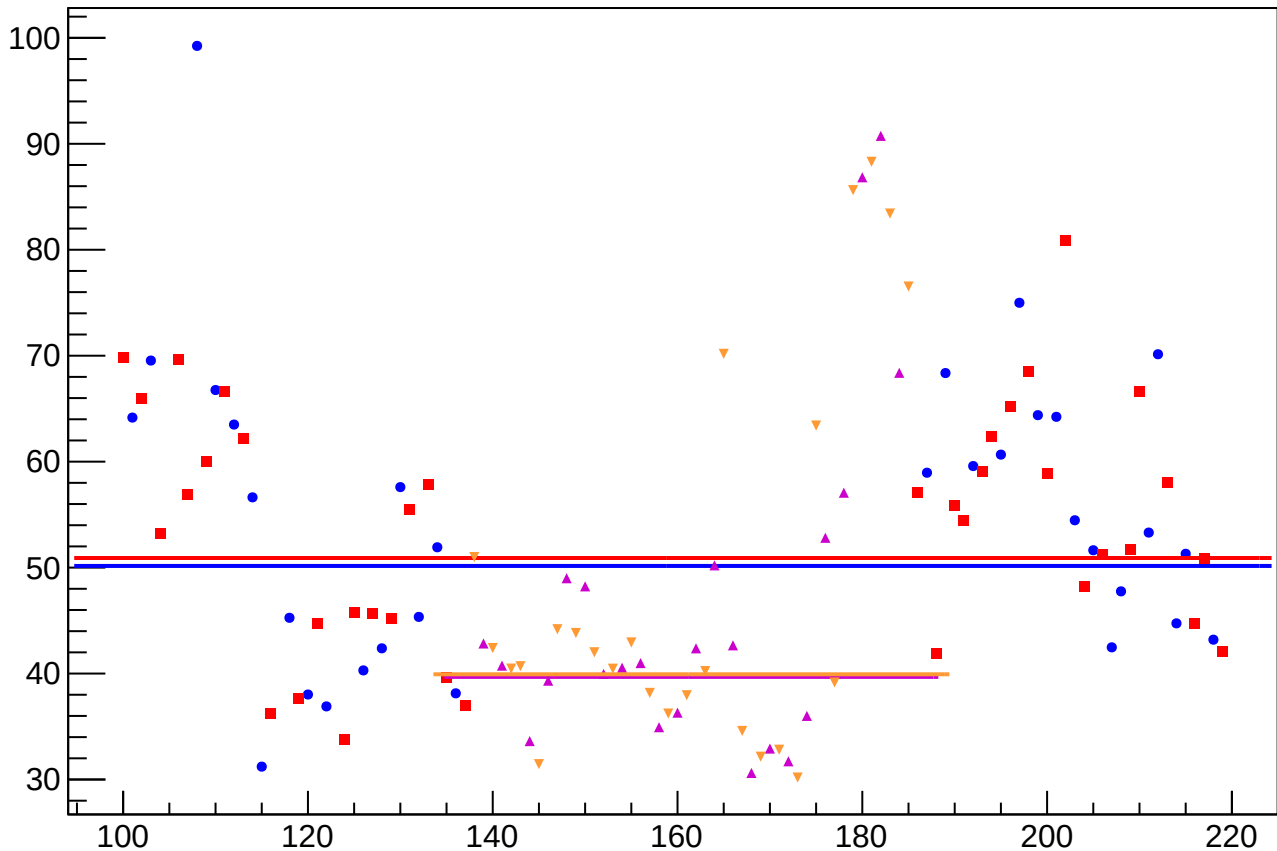
Left In: -0.007 ± 0.010 χ^2/NDF : 30.4/22

+ sign -0.000 ± 0.007 χ^2/NDF : 64.9/56

All: -0.004 ± 0.005 χ^2/NDF : 123.8/116

- sign -0.008 ± 0.007 χ^2/NDF : 58.3/59

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.157 $\pm$ 0.008 χ^2/NDF : 1792822.3/31

Left Out: 39.930 $\pm$ 0.007 χ^2/NDF : 2475527.1/24

Right Out: 50.906 $\pm$ 0.008 χ^2/NDF : 1575710.6/36

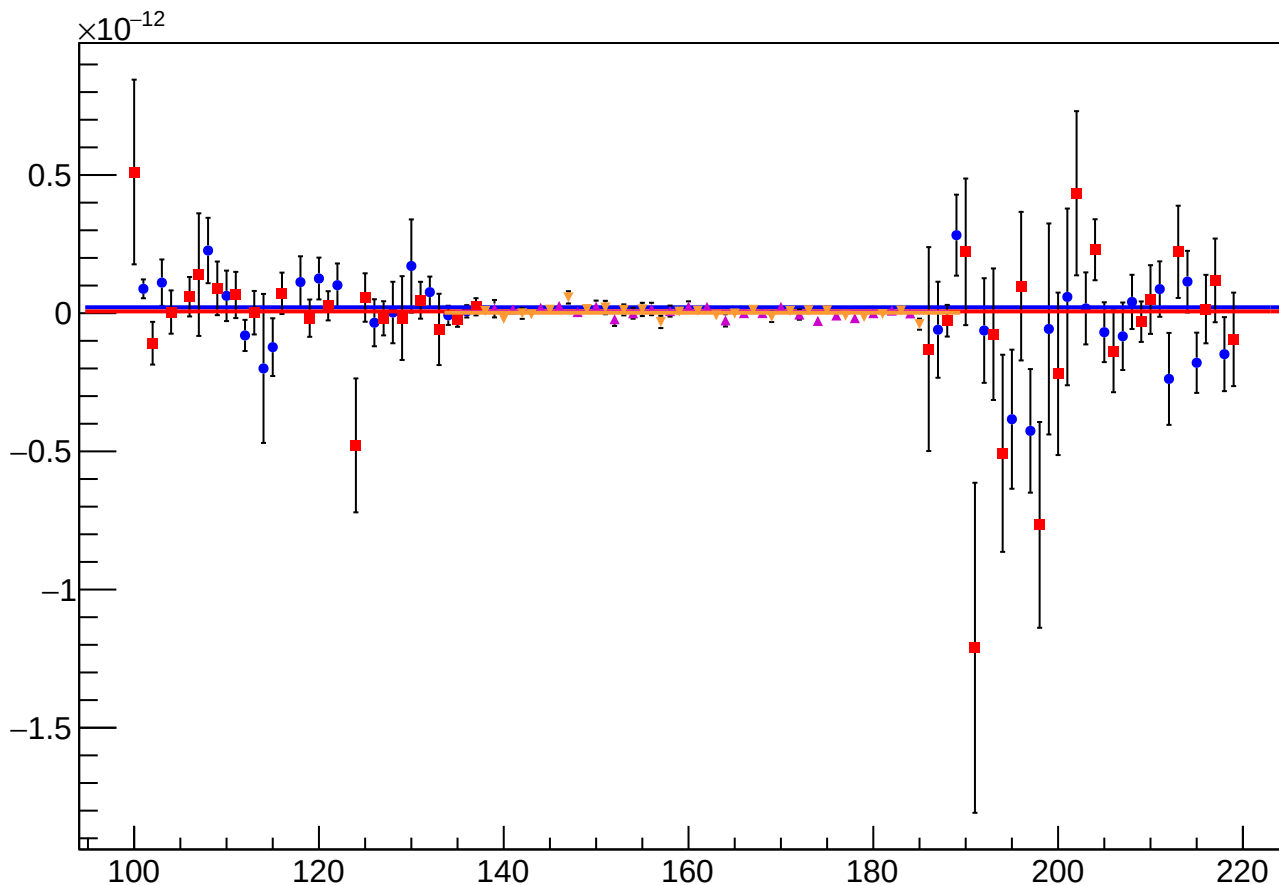
Left In: 39.685 $\pm$ 0.007 χ^2/NDF : 1915901.2/22

+ sign 44.048 $\pm$ 0.005 χ^2/NDF : 5187766.0/56

All: 44.234 $\pm$ 0.004 χ^2/NDF : 9794404.5/116

- sign 44.422 $\pm$ 0.005 χ^2/NDF : 4604098.6/59

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.5/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:28.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.8/36

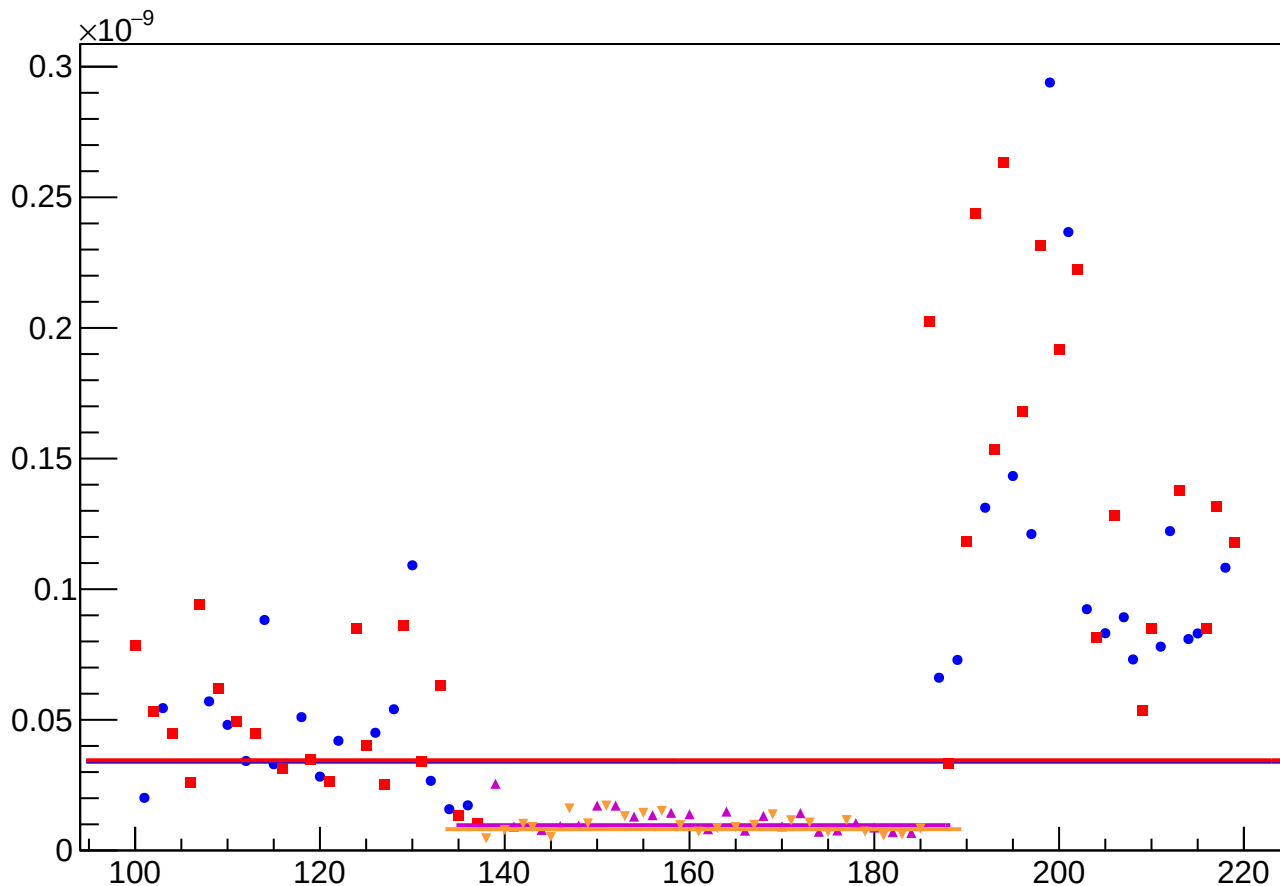
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:27.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 71.8/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 136.3/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64.4/59

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9970217.9/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2354980.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 12193763.7/36

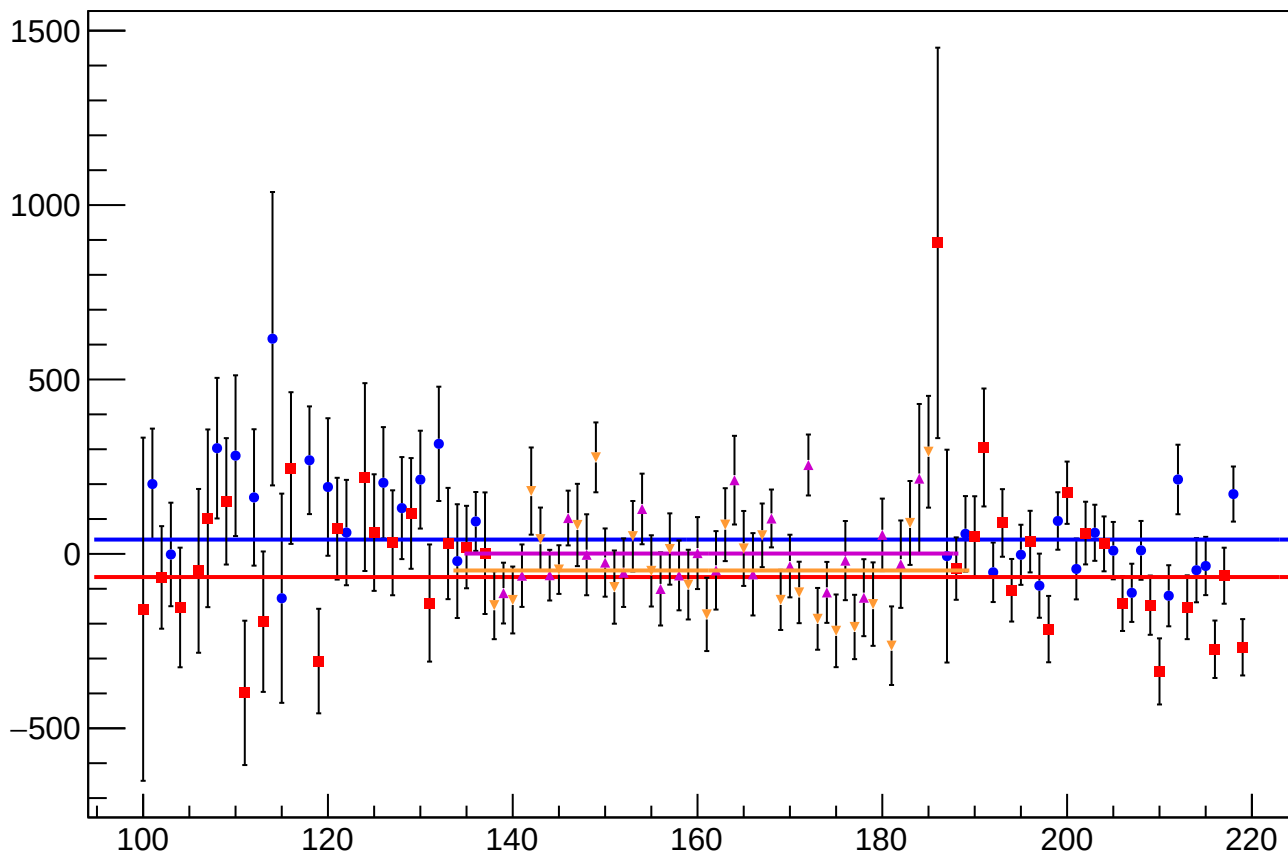
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2106161.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 20404963.2/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 41924935.9/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 21116206.8/59

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 41.070 ± 19.463 $\chi^2/\text{NDF}: 34.9/31$

Left Out: -47.524 ± 19.983 $\chi^2/\text{NDF}: 44.0/24$

Right Out: -66.373 ± 19.145 $\chi^2/\text{NDF}: 65.0/36$

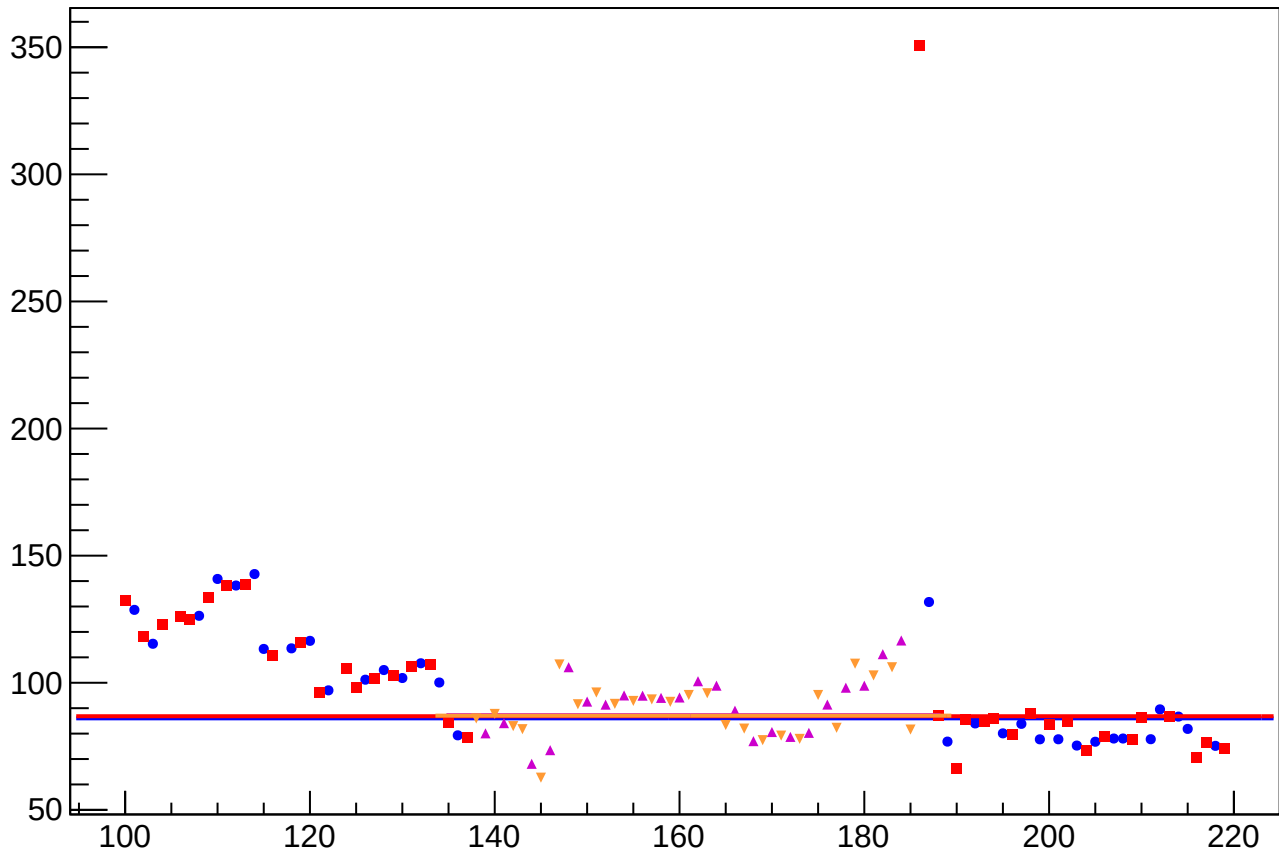
Left In: 0.986 ± 20.604 $\chi^2/\text{NDF}: 25.5/22$

+ sign -2.060 ± 13.943 $\chi^2/\text{NDF}: 89.0/56$

All: -18.514 ± 9.888 $\chi^2/\text{NDF}: 187.9/116$

- sign -35.162 ± 14.025 $\chi^2/\text{NDF}: 96.2/59$

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 86.006 $\pm$ 0.014 χ^2 /NDF: 1141402.7/31

Left Out: 87.072 $\pm$ 0.014 χ^2 /NDF: 620626.5/24

Right Out: 86.836 $\pm$ 0.014 χ^2 /NDF: 1709950.4/36

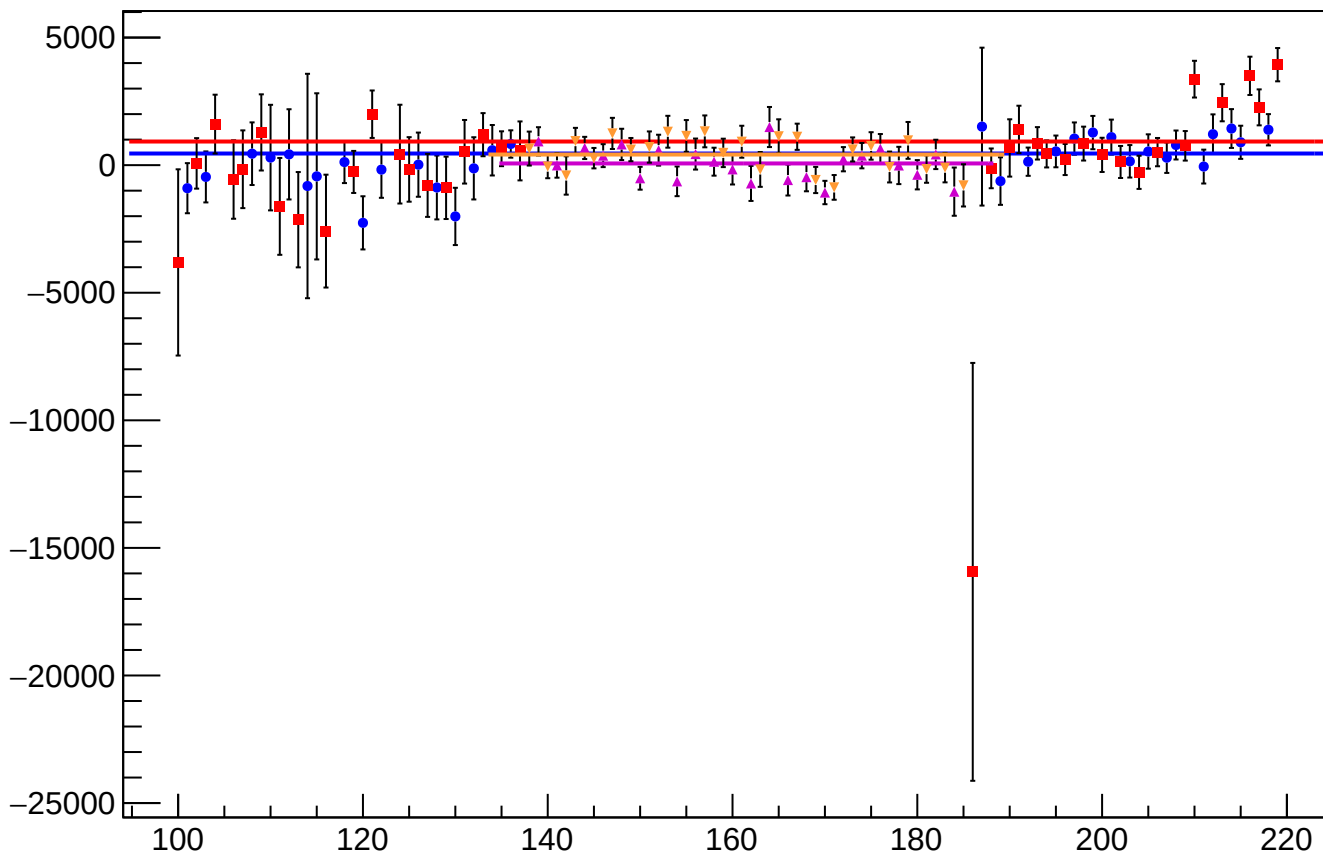
Left In: 87.257 $\pm$ 0.015 χ^2 /NDF: 595793.1/22

+ sign 86.525 $\pm$ 0.010 χ^2 /NDF: 1764948.1/56

All: 86.776 $\pm$ 0.007 χ^2 /NDF: 4072448.2/116

- sign 87.031 $\pm$ 0.010 χ^2 /NDF: 2306190.3/59

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: 455.747 $\pm$ 142.549 χ^2 /NDF: 28.8/31

Left Out: 416.424 $\pm$ 112.336 χ^2 /NDF:32.4/24

Right Out: 925.851 $\pm$ 139.154 χ^2 /NDF: 87.6/36

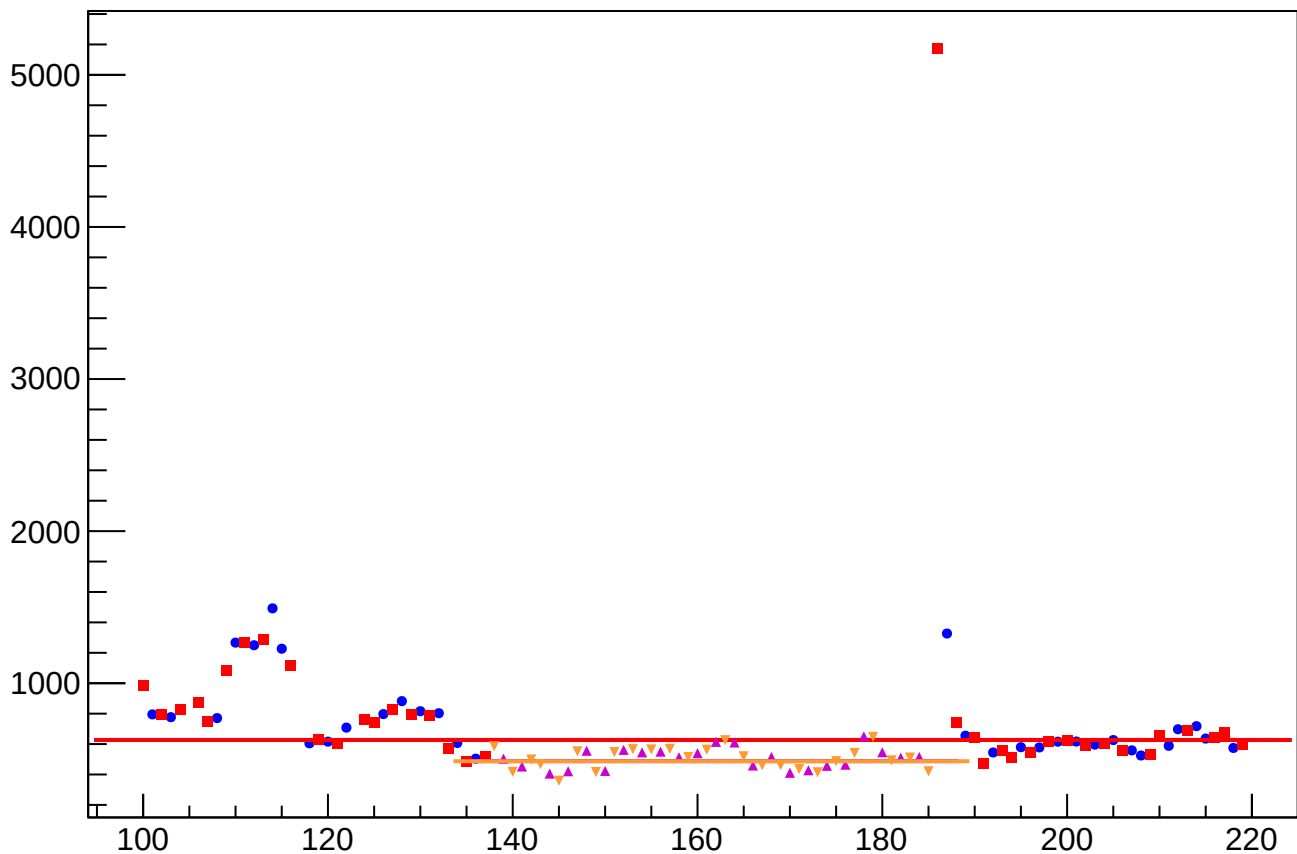
Left In: 66.675 $\pm$ 115.419 χ^2 /NDF:27.5/22

+ sign 431.489 $\pm$ 88.232 χ^2 /NDF: 61.3/56

All: 424.218 $\pm$ 62.602 χ^2 /NDF: 199.0/116

- sign 416.848 $\pm$ 88.838 χ^2 /NDF: 137.7/59

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 627.200+/-0.101 χ^2/NDF : 1388279.7/31

Left Out: 487.081+/-0.079 χ^2/NDF : 821265.9/24

Right Out: 626.599+/-0.098 χ^2/NDF : 2237492.4/36

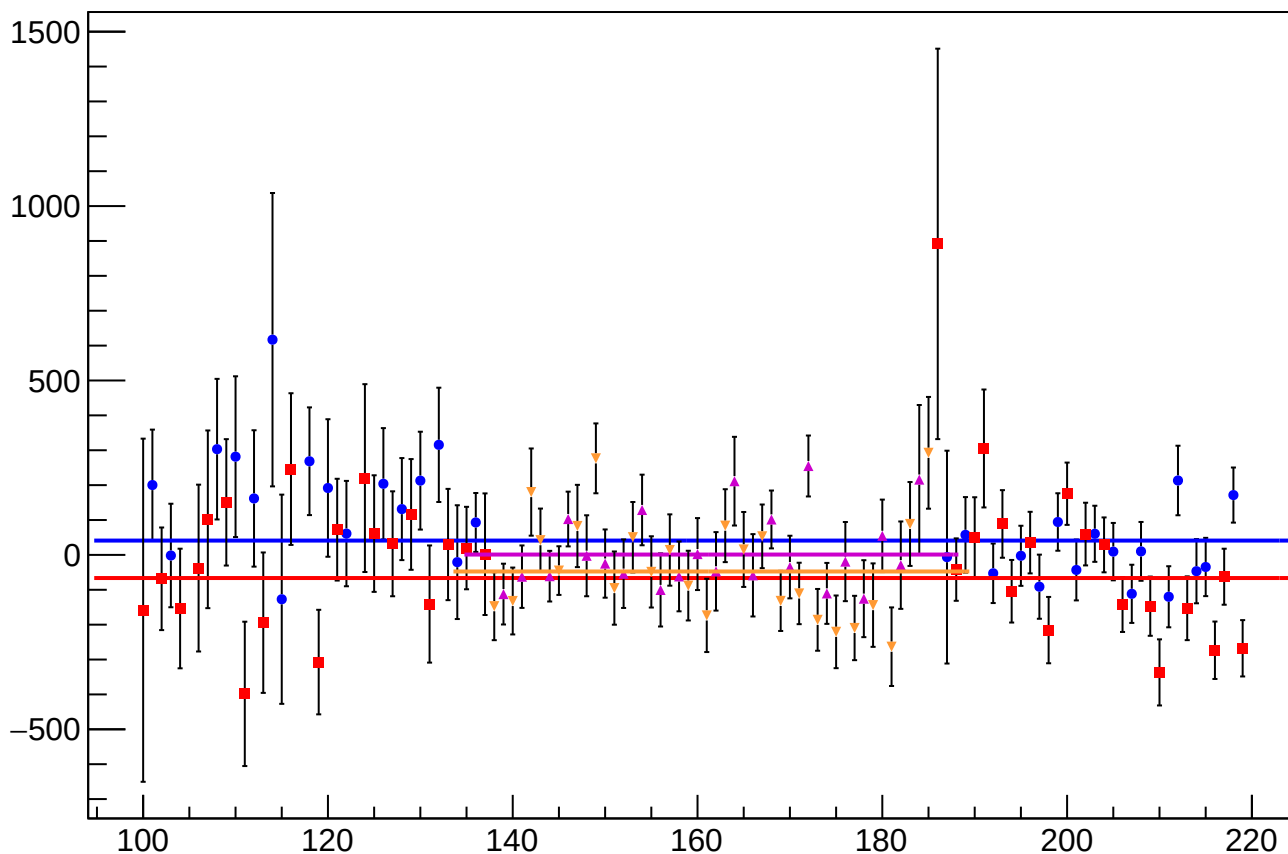
Left In: 487.930+/-0.082 χ^2/NDF : 634269.5/22

+ sign 540.761+/-0.062 χ^2/NDF : 3401624.2/56

All: 542.591+/-0.044 χ^2/NDF : 7451720.9/116

- sign 544.447+/-0.063 χ^2/NDF : 4048363.5/59

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 41.064 ± 19.463 χ^2/NDF : 34.9/31

Left Out: -47.532 ± 19.983 χ^2/NDF : 44.0/24

Right Out: -66.325 ± 19.148 χ^2/NDF : 65.0/36

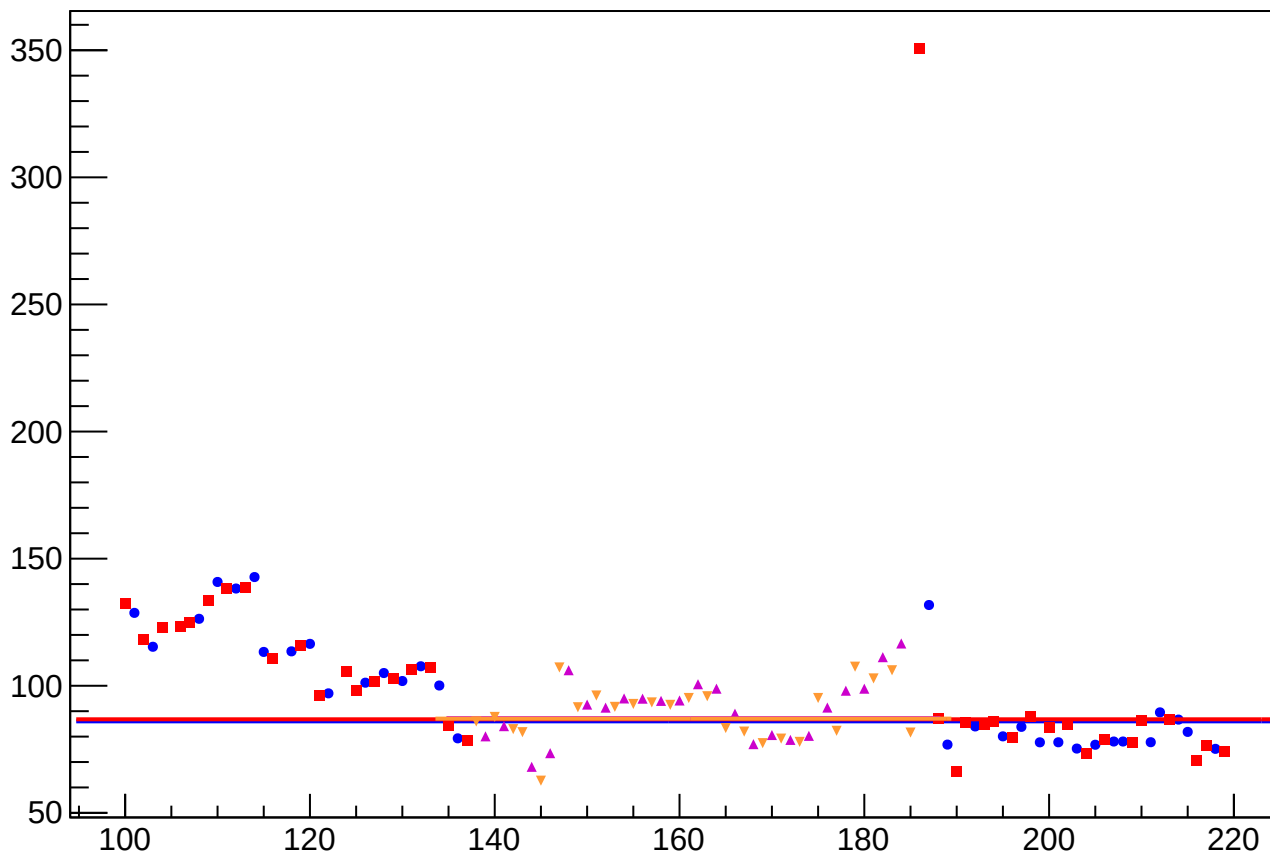
Left In: 0.988 ± 20.604 χ^2/NDF : 25.5/22

+ sign -2.067 ± 13.943 χ^2/NDF : 89.0/56

All: -18.501 ± 9.888 χ^2/NDF : 187.9/116

- sign -35.131 ± 14.026 χ^2/NDF : 96.2/59

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 86.006 $\pm$ 0.014 χ^2 /NDF: 1141403.0/31

Left Out: 87.072 $\pm$ 0.014 χ^2 /NDF: 620626.5/24

Right Out: 86.809 $\pm$ 0.014 χ^2 /NDF: 1700592.4/36

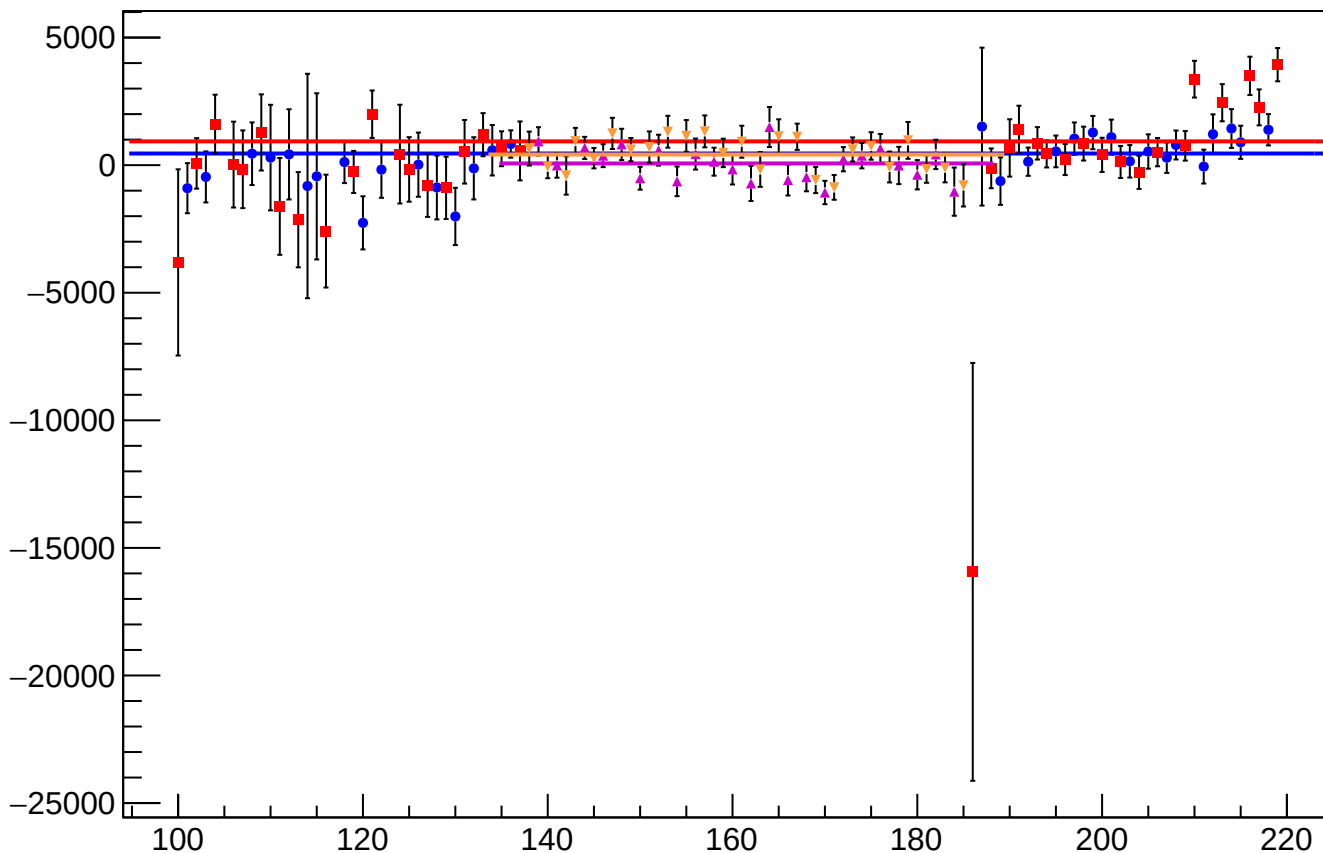
Left In: 87.257 $\pm$ 0.015 χ^2 /NDF: 595793.1/22

+ sign 86.525 $\pm$ 0.010 χ^2 /NDF: 1764948.5/56

All: 86.769 $\pm$ 0.007 χ^2 /NDF: 4063075.9/116

- sign 87.016 $\pm$ 0.010 χ^2 /NDF: 2296892.3/59

asym_sam_26_48_dd_cor_correction_mean vs Slug



Right In: 455.744 $\pm$ 142.549 χ^2 /NDF: 28.8/31

Left Out: 416.416 $\pm$ 112.336 χ^2 /NDF: 32.4/24

Right Out: 931.885 $\pm$ 139.250 χ^2 /NDF: 87.0/36

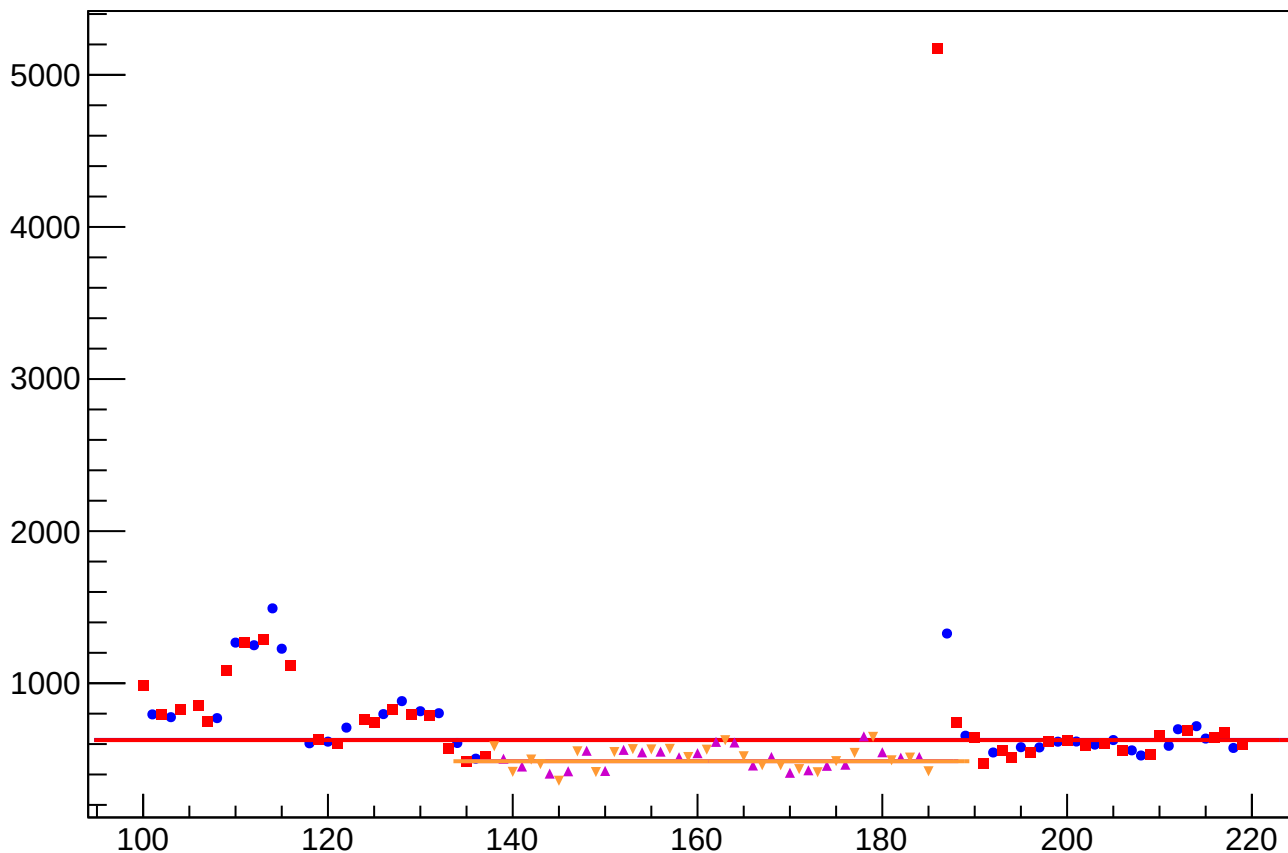
Left In: 66.674 $\pm$ 115.419 χ^2 /NDF: 27.5/22

+ sign 431.483 $\pm$ 88.232 χ^2 /NDF: 61.3/56

All: 425.295 $\pm$ 62.611 χ^2 /NDF: 198.7/116

- sign 419.018 $\pm$ 88.863 χ^2 /NDF: 137.4/59

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 627.200+/-0.101 χ^2/NDF : 1388291.8/31

Left Out: 487.081+/-0.079 χ^2/NDF : 821261.6/24

Right Out: 626.128+/-0.098 χ^2/NDF : 222323.2/36

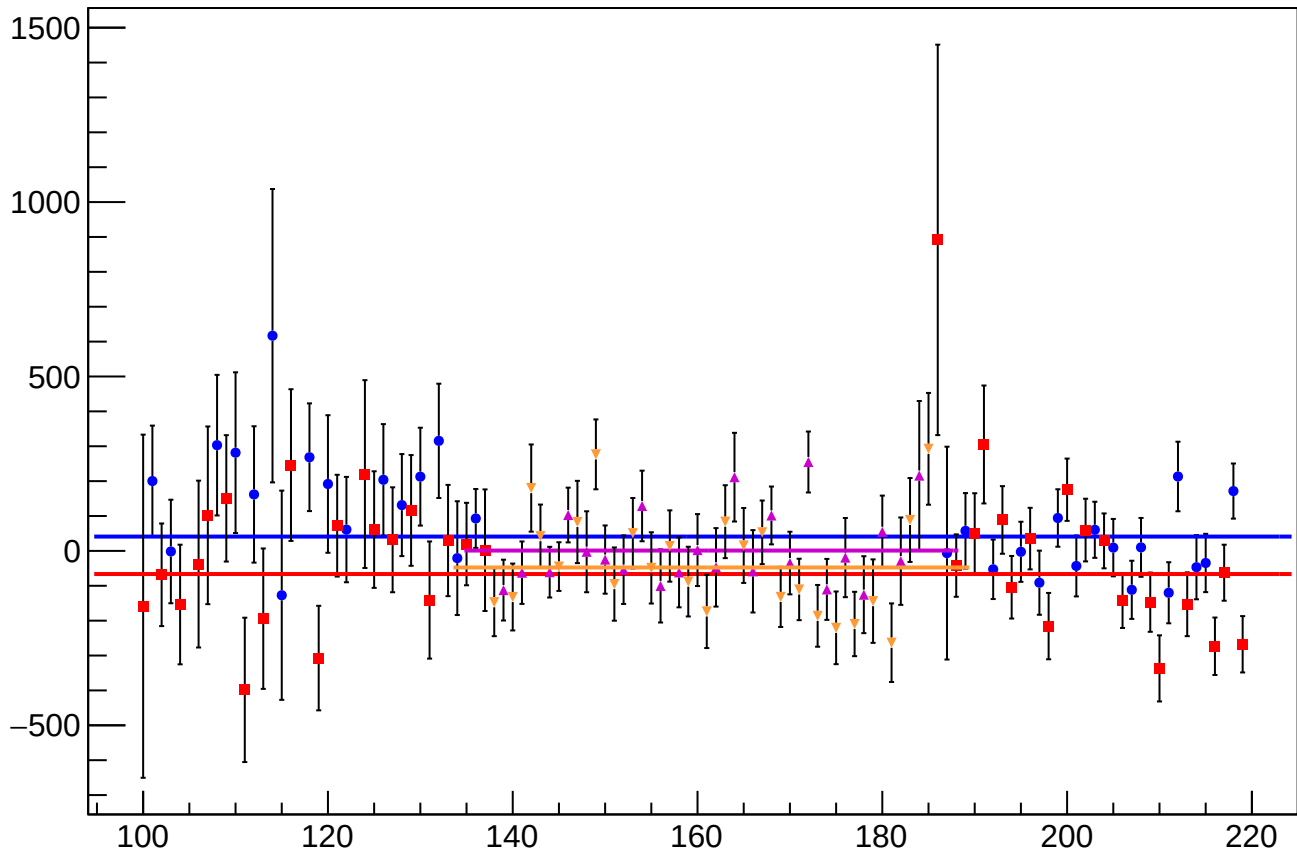
Left In: 487.930+/-0.082 χ^2/NDF : 634273.3/22

+ sign 540.761+/-0.062 χ^2/NDF : 3401629.0/56

All: 542.473+/-0.044 χ^2/NDF : 7427415.3/116

- sign 544.209+/-0.063 χ^2/NDF : 4024270.1/59

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 41.064 ± 19.463 χ^2/NDF : 34.9/31

Left Out: -47.532 ± 19.983 χ^2/NDF : 44.0/24

Right Out: -66.325 ± 19.148 χ^2/NDF : 65.0/36

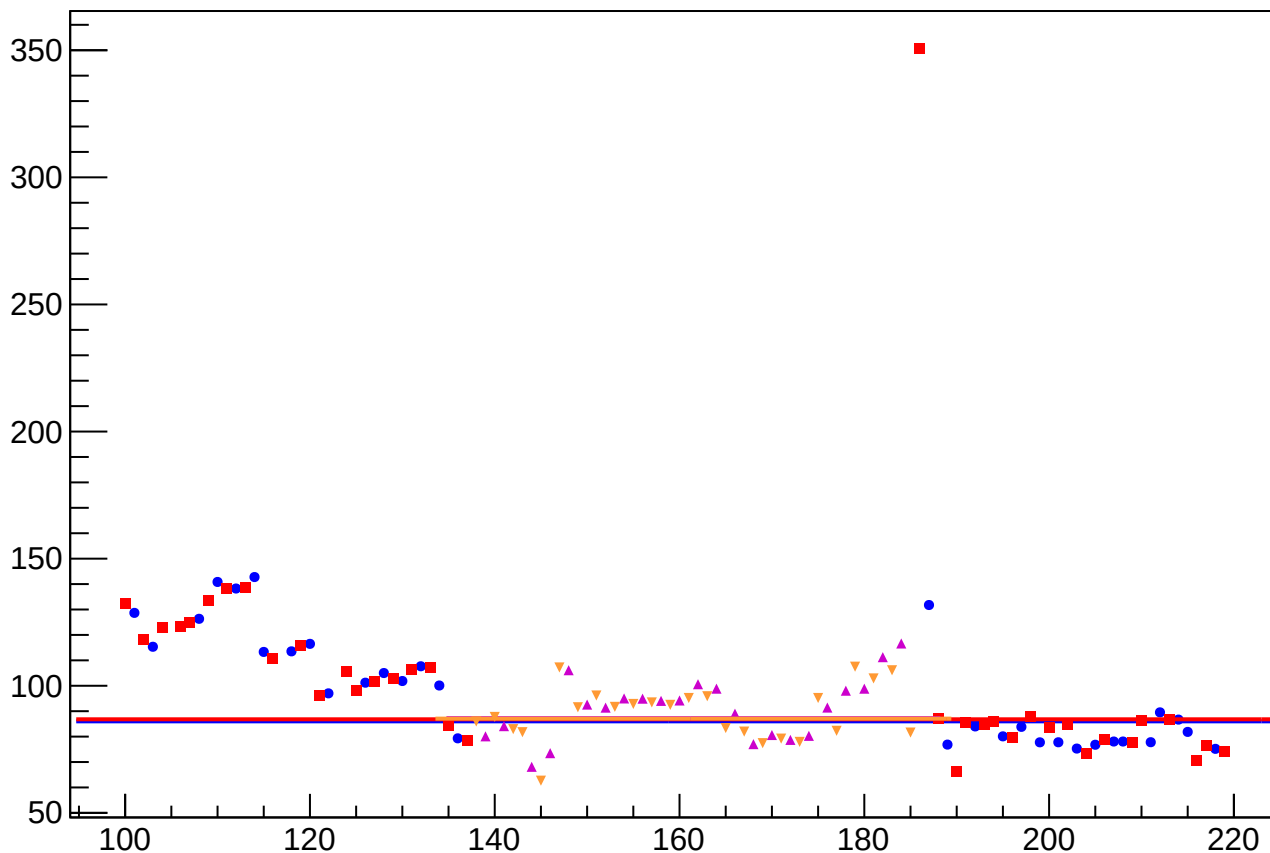
Left In: 0.988 ± 20.604 χ^2/NDF : 25.5/22

+ sign -2.067 ± 13.943 χ^2/NDF : 89.0/56

All: -18.501 ± 9.888 χ^2/NDF : 187.9/116

- sign -35.131 ± 14.026 χ^2/NDF : 96.2/59

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 86.006 $\pm$ 0.014 χ^2 /NDF: 1141403.0/31

Left Out: 87.072 $\pm$ 0.014 χ^2 /NDF: 620626.5/24

Right Out: 86.809 $\pm$ 0.014 χ^2 /NDF: 1700592.4/36

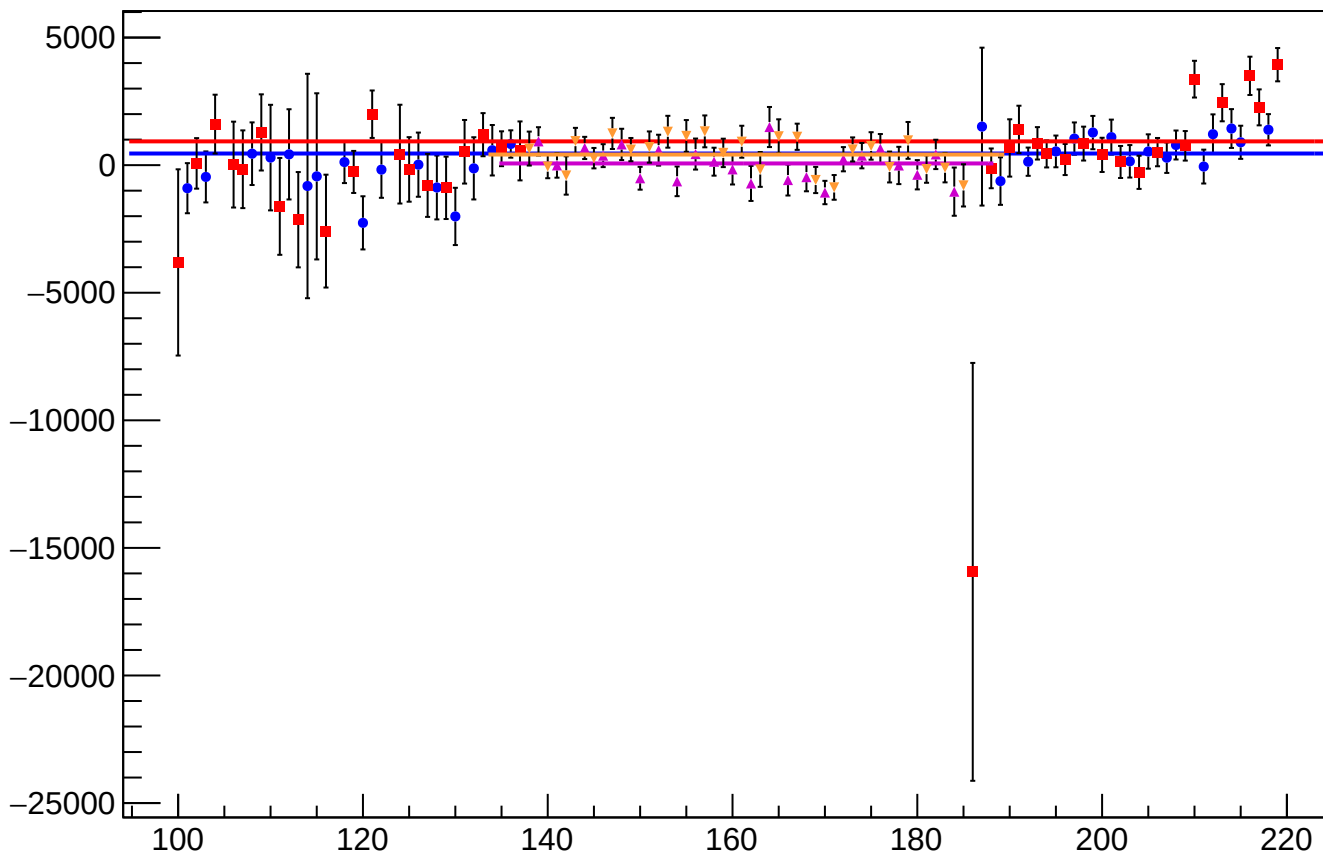
Left In: 87.257 $\pm$ 0.015 χ^2 /NDF: 595793.1/22

+ sign 86.525 $\pm$ 0.010 χ^2 /NDF: 1764948.5/56

All: 86.769 $\pm$ 0.007 χ^2 /NDF: 4063075.9/116

- sign 87.016 $\pm$ 0.010 χ^2 /NDF: 2296892.3/59

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug



Right In: 455.744 ± 142.549 χ^2/NDF : 28.8/31

Left Out: 416.416 ± 112.336 χ^2/NDF : 32.4/24

Right Out: 931.885 ± 139.250 χ^2/NDF : 87.0/36

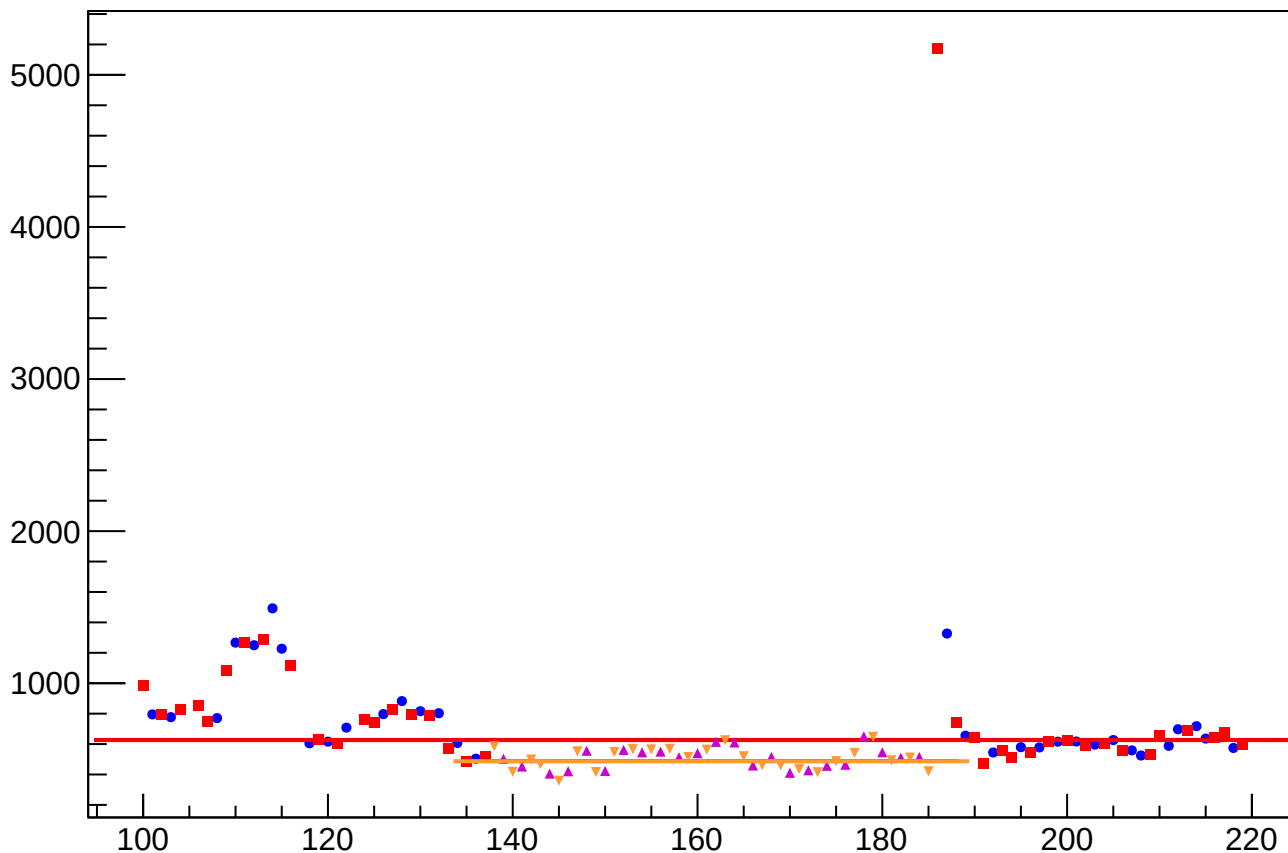
Left In: 66.674 ± 115.419 χ^2/NDF : 27.5/22

+ sign 431.483 ± 88.232 χ^2/NDF : 61.3/56

All: 425.295 ± 62.611 χ^2/NDF : 198.7/116

- sign 419.018 ± 88.863 χ^2/NDF : 137.4/59

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug



Right In: 627.200+/-0.101 χ^2/NDF : 1388291.8/31

Left Out: 487.081+/-0.079 χ^2/NDF : 821261.6/24

Right Out: 626.128+/-0.098 χ^2/NDF : 222323.2/36

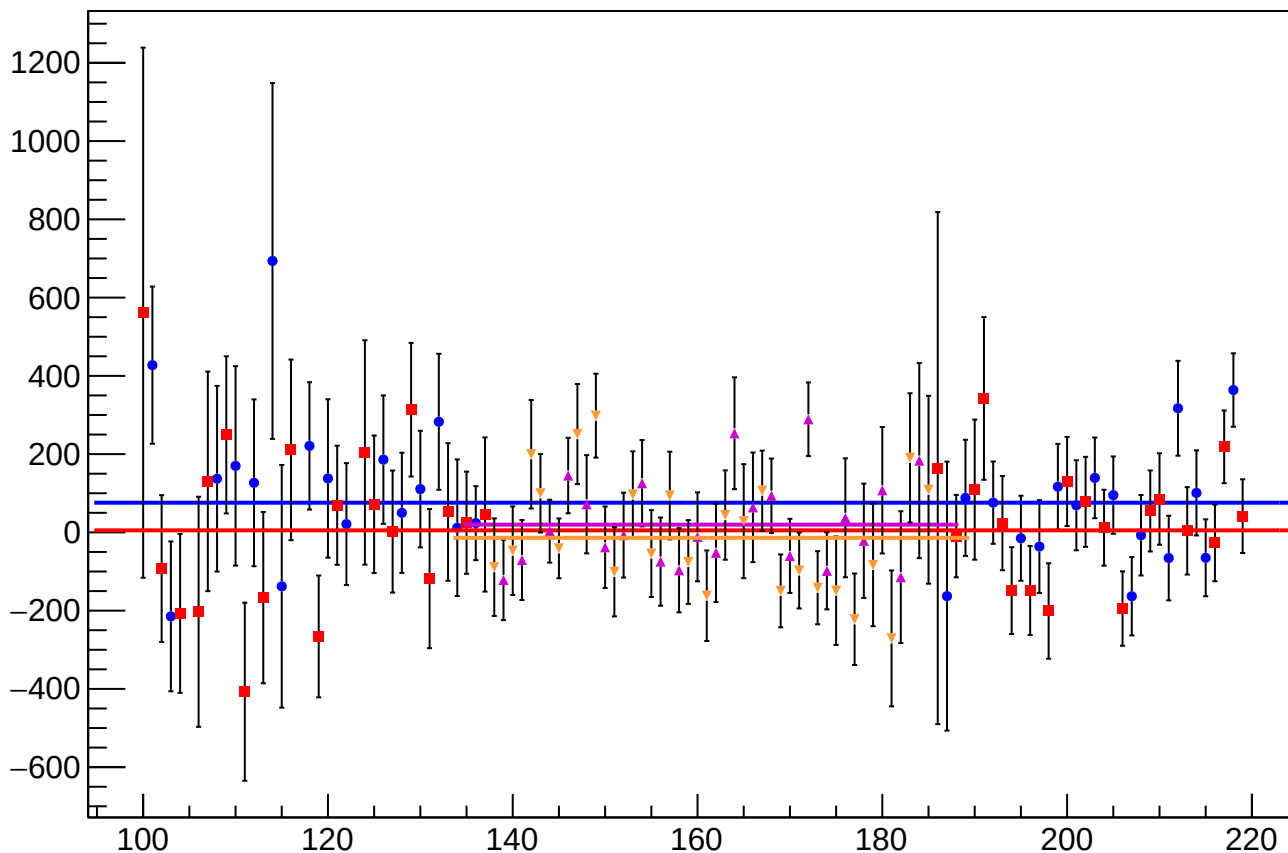
Left In: 487.930+/-0.082 χ^2/NDF : 634273.3/22

+ sign 540.761+/-0.062 χ^2/NDF : 3401629.0/56

All: 542.473+/-0.044 χ^2/NDF : 7427415.3/116

- sign 544.209+/-0.063 χ^2/NDF : 4024270.1/59

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 75.883 $\pm$ 23.355 χ^2 /NDF: 37.5/31

Left Out: -13.904 $\pm$ 22.916 χ^2 /NDF:36.4/24

Right Out: 5.223 $\pm$ 22.899 χ^2 /NDF: 38.6/36

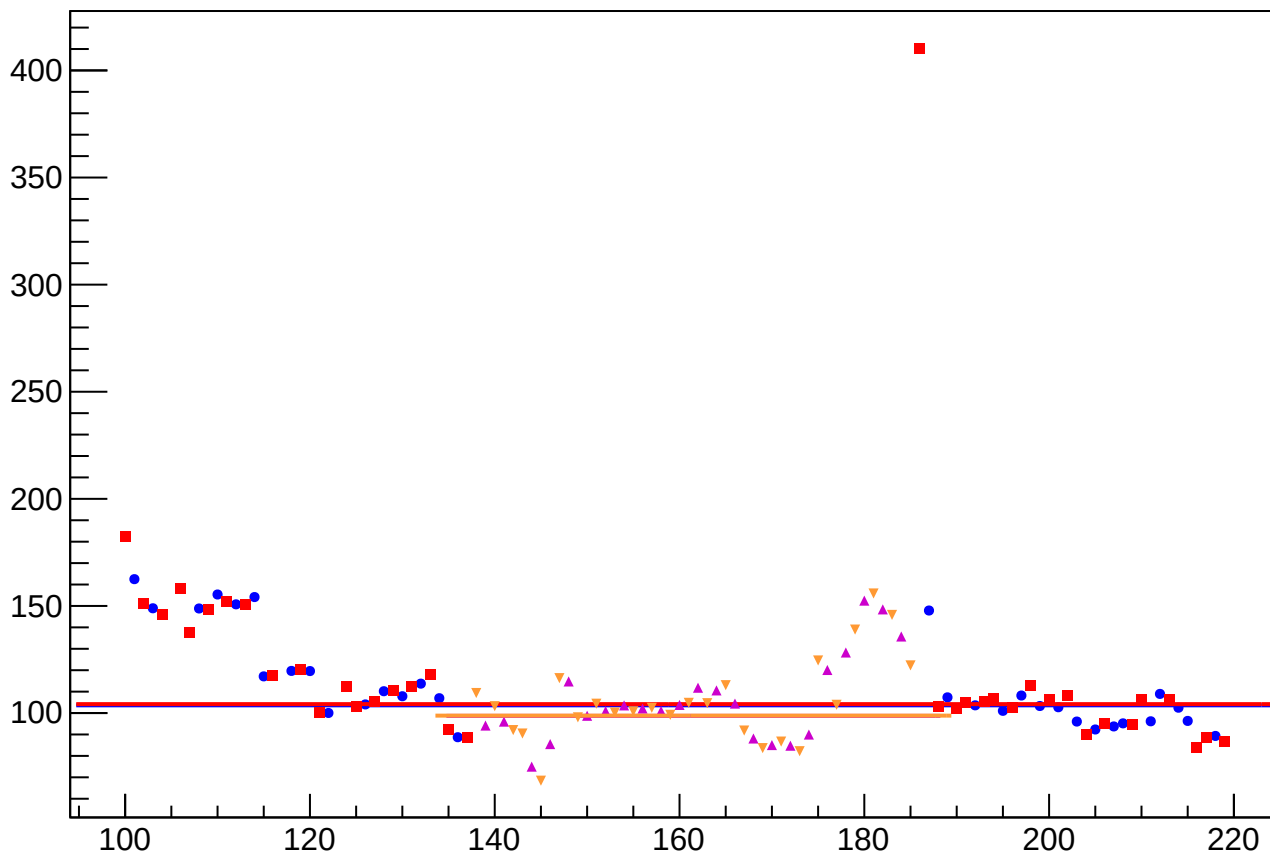
Left In: 19.805 $\pm$ 23.571 χ^2 /NDF:23.3/22

+ sign 30.138 $\pm$ 16.357 χ^2 /NDF: 81.4/56

All: 21.257 $\pm$ 11.590 χ^2 /NDF: 144.1/116

- sign 12.303 $\pm$ 16.425 χ^2 /NDF: 62.1/59

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 103.610 $\pm$ 0.017 χ^2 /NDF: 840049.0/31

Left Out: 98.799 $\pm$ 0.016 χ^2 /NDF: 1185806.0/24

Right Out: 104.166 $\pm$ 0.016 χ^2 /NDF: 1430031.0/36

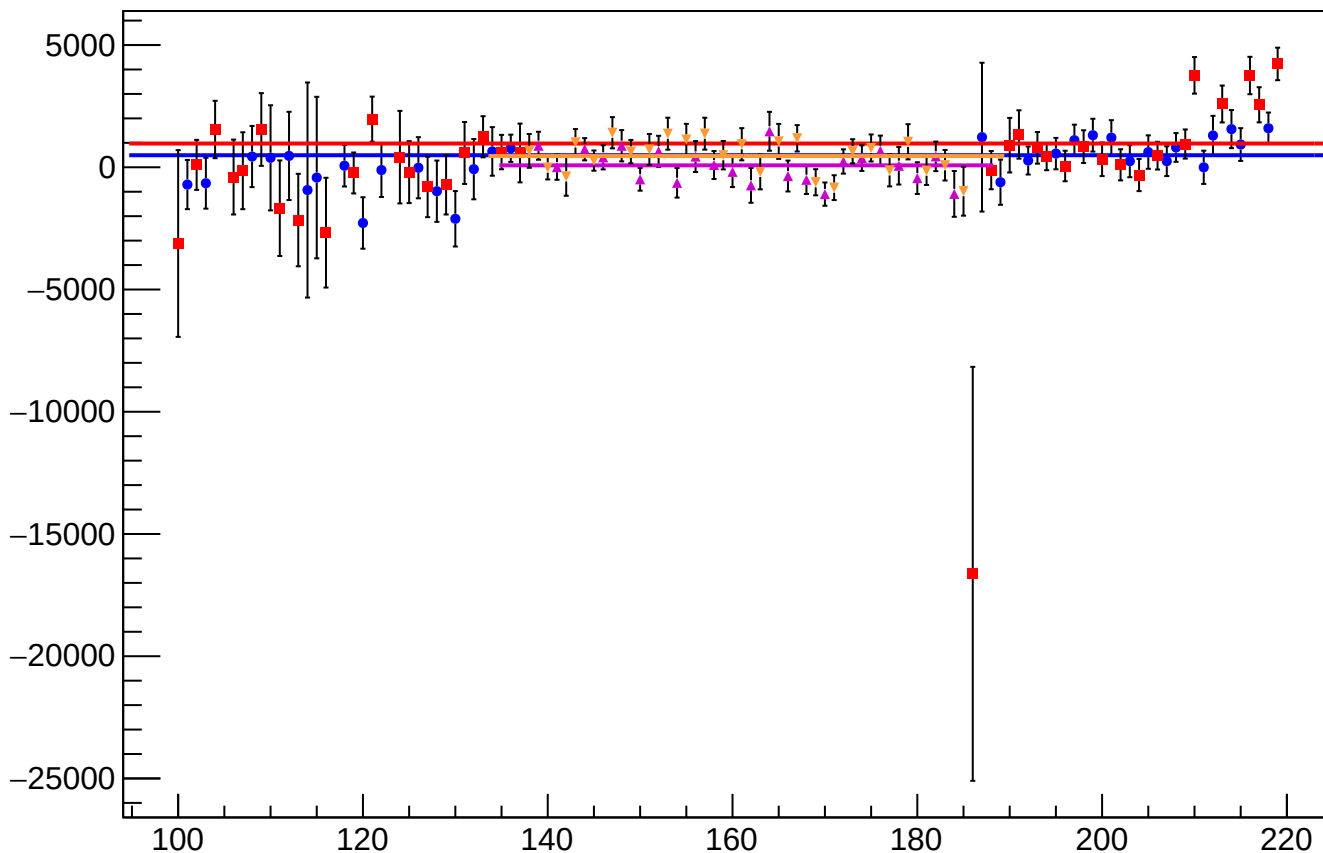
Left In: 98.673 $\pm$ 0.017 χ^2 /NDF: 987817.0/22

+ sign 101.159 $\pm$ 0.012 χ^2 /NDF: 2069104.4/56

All: 101.328 $\pm$ 0.008 χ^2 /NDF: 4543265.2/116

- sign 101.499 $\pm$ 0.012 χ^2 /NDF: 2473730.5/59

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 492.735 $\pm$ 146.253 χ^2 /NDF: 30.1/31

Left Out: 459.094 $\pm$ 118.111 χ^2 /NDF:30.8/24

Right Out: 971.672 $\pm$ 141.953 χ^2 /NDF: 97.0/36

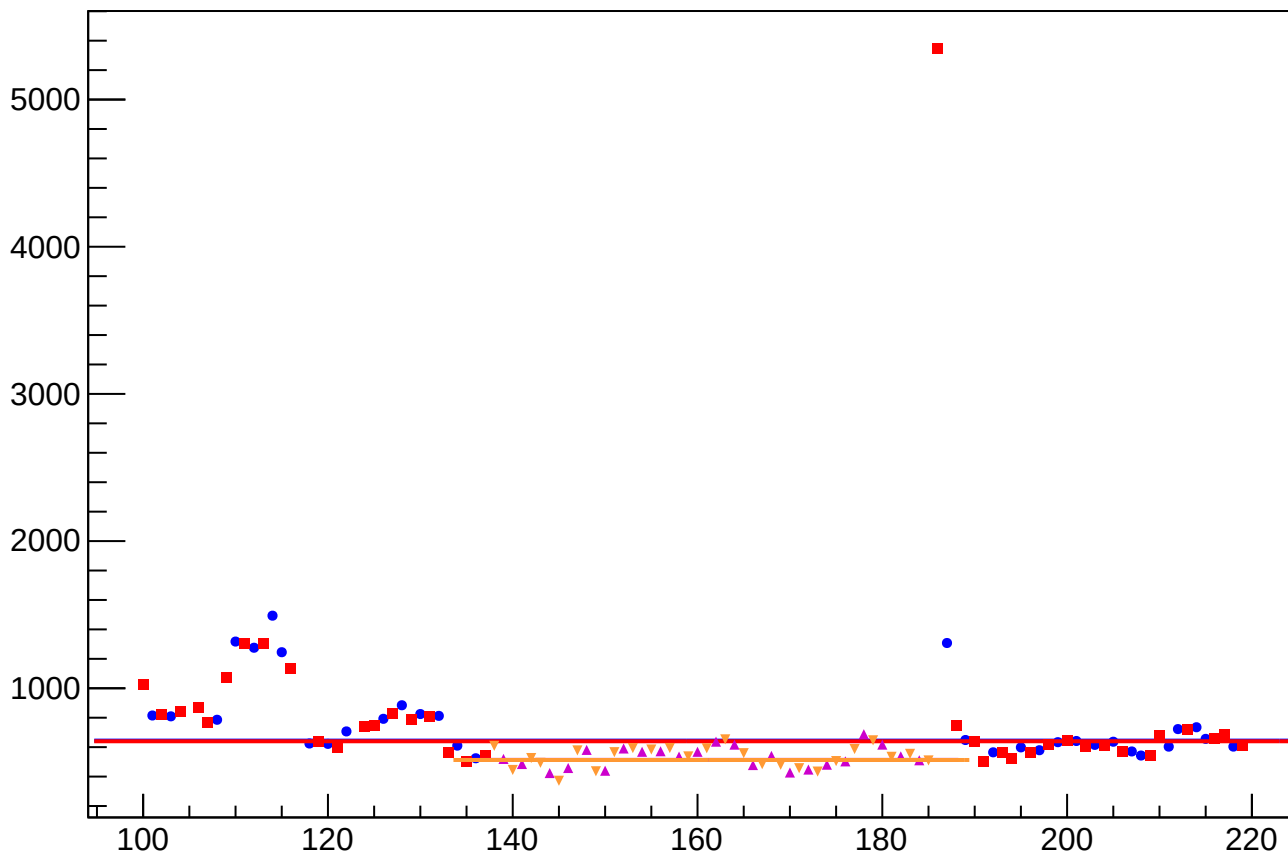
Left In: 78.791 $\pm$ 121.436 χ^2 /NDF:26.2/22

+ sign 472.374 $\pm$ 91.889 χ^2 /NDF: 60.9/56

All: 464.272 $\pm$ 65.112 χ^2 /NDF: 207.1/116

- sign 456.102 $\pm$ 92.278 χ^2 /NDF: 146.1/59

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 644.339 $\pm$ 0.103 χ^2 /NDF: 1327842.1/31

Left Out: 512.768 $\pm$ 0.084 χ^2 /NDF: 799239.4/24

Right Out: 639.929 $\pm$ 0.100 χ^2 /NDF: 2170663.7/36

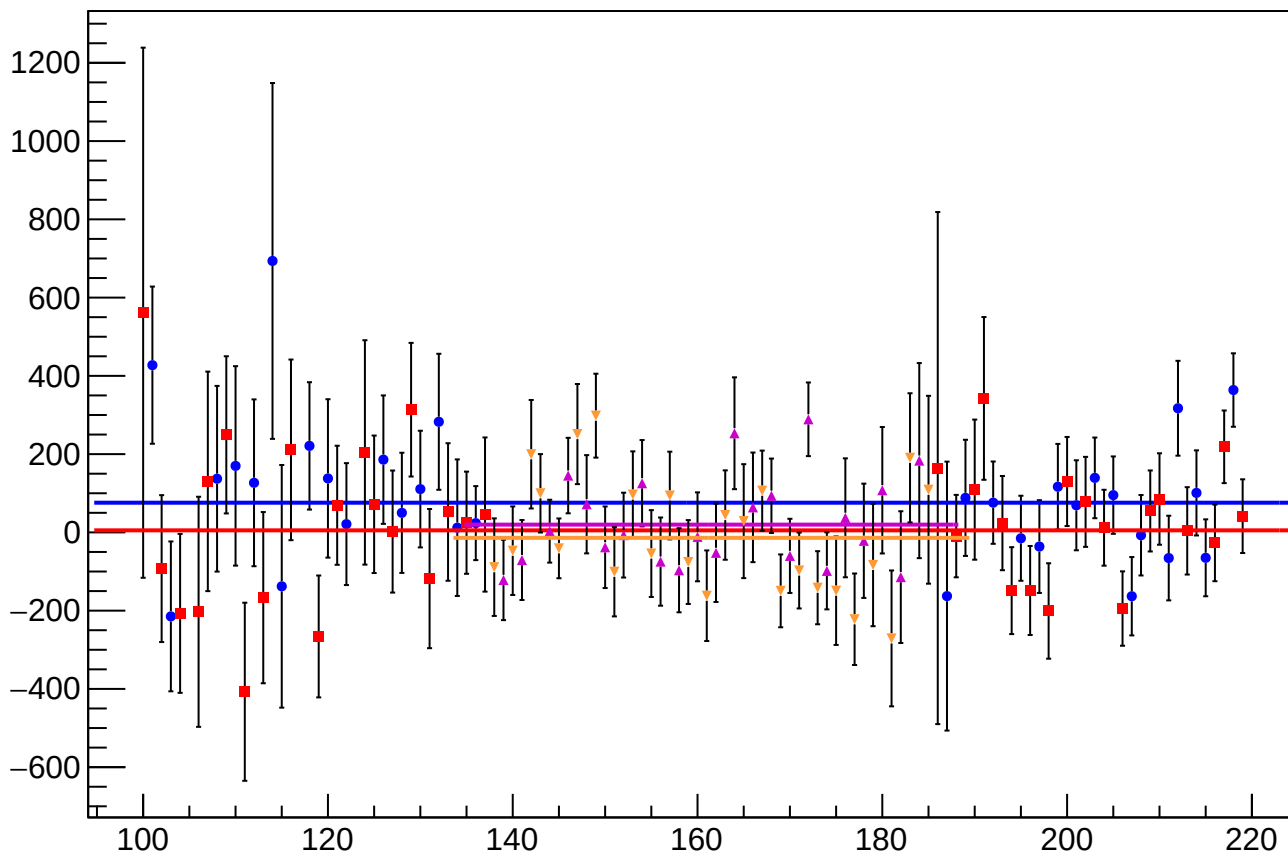
Left In: 513.375 $\pm$ 0.086 χ^2 /NDF: 634000.2/22

+ sign 564.705 $\pm$ 0.065 χ^2 /NDF: 3106749.4/56

All: 565.775 $\pm$ 0.046 χ^2 /NDF: 6829853.4/116

- sign 566.854 $\pm$ 0.065 χ^2 /NDF: 3722559.5/59

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 75.883 $\pm$ 23.355 χ^2 /NDF: 37.5/31

Left Out: -13.906 $\pm$ 22.916 χ^2 /NDF:36.4/24

Right Out: 5.220 $\pm$ 22.899 χ^2 /NDF: 38.6/36

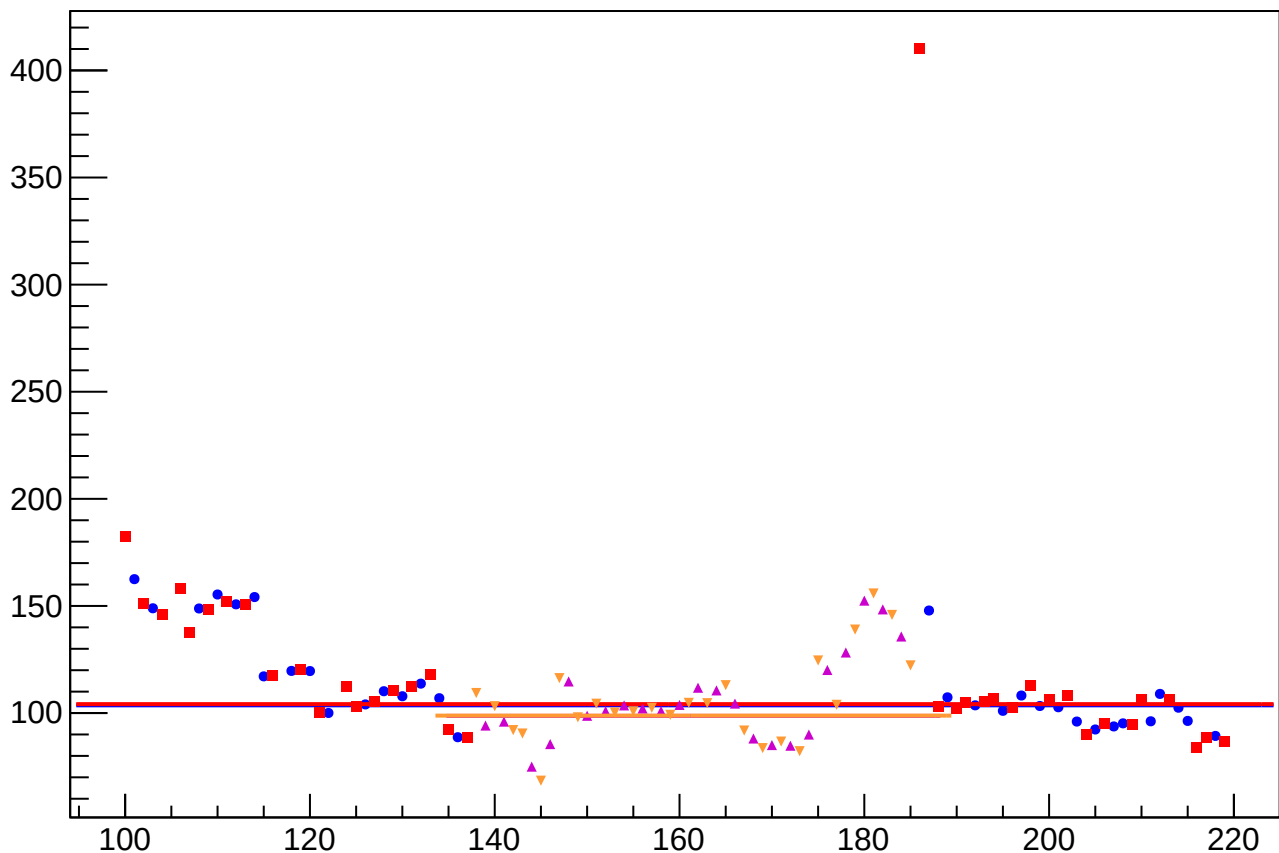
Left In: 19.805 $\pm$ 23.571 χ^2 /NDF:23.3/22

+ sign 30.137 $\pm$ 16.357 χ^2 /NDF: 81.4/56

All: 21.256 $\pm$ 11.590 χ^2 /NDF: 144.1/116

- sign 12.302 $\pm$ 16.425 χ^2 /NDF: 62.1/59

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 103.610 $\pm$ 0.017 χ^2 /NDF: 840039.4/31

Left Out: 98.799 $\pm$ 0.016 χ^2 /NDF:1185809.9/24

Right Out: 104.166 $\pm$ 0.016 χ^2 /NDF: 1430026.2/36

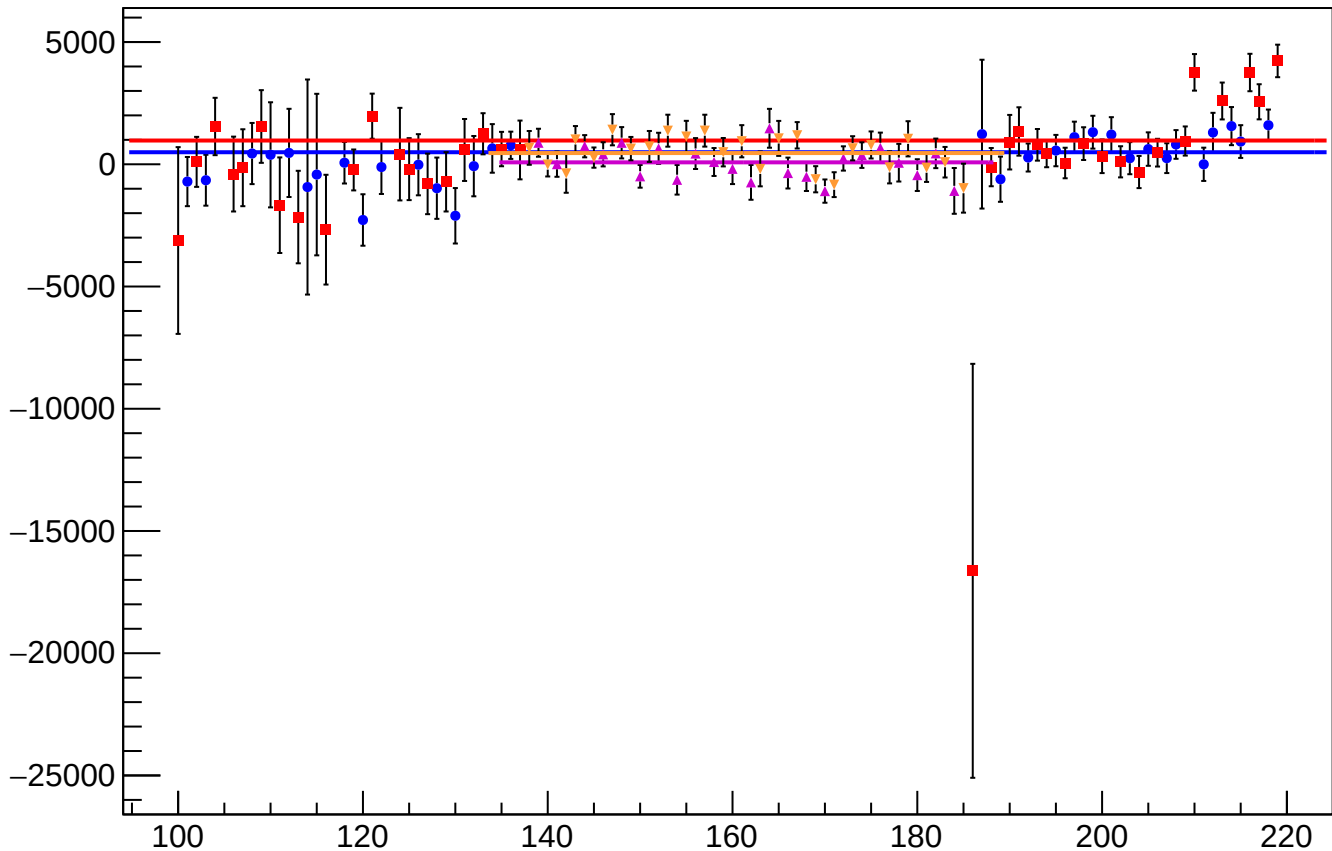
Left In: 98.673 $\pm$ 0.017 χ^2 /NDF:987808.4/22

+ sign 101.159 $\pm$ 0.012 χ^2 /NDF: 2069100.6/56

All: 101.328 $\pm$ 0.008 χ^2 /NDF: 4543248.7/116

- sign 101.499 $\pm$ 0.012 χ^2 /NDF: 2473717.7/59

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug



Right In: 492.735 $\pm$ 146.253 χ^2 /NDF: 30.1/31

Left Out: 459.092 $\pm$ 118.111 χ^2 /NDF:30.8/24

Right Out: 971.670 $\pm$ 141.952 χ^2 /NDF: 97.0/36

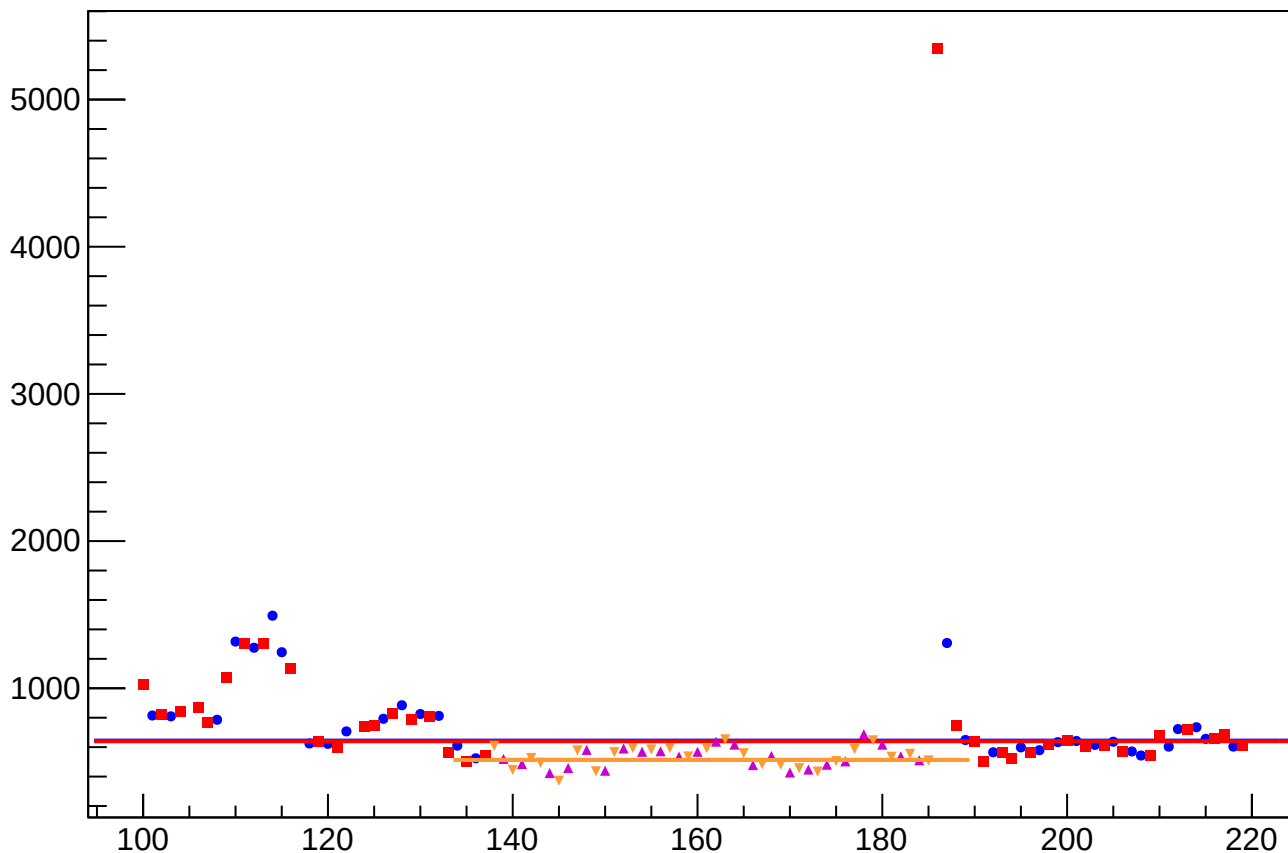
Left In: 78.791 $\pm$ 121.436 χ^2 /NDF:26.2/22

+ sign 472.373 $\pm$ 91.888 χ^2 /NDF: 60.9/56

All: 464.271 $\pm$ 65.112 χ^2 /NDF: 207.1/116

- sign 456.102 $\pm$ 92.277 χ^2 /NDF: 146.1/59

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug



Right In: 644.338 ± 0.103 χ^2/NDF : 1327838.1/31

Left Out: 512.768 ± 0.084 χ^2/NDF : 799239.0/24

Right Out: 639.928 ± 0.100 χ^2/NDF : 2170661.0/36

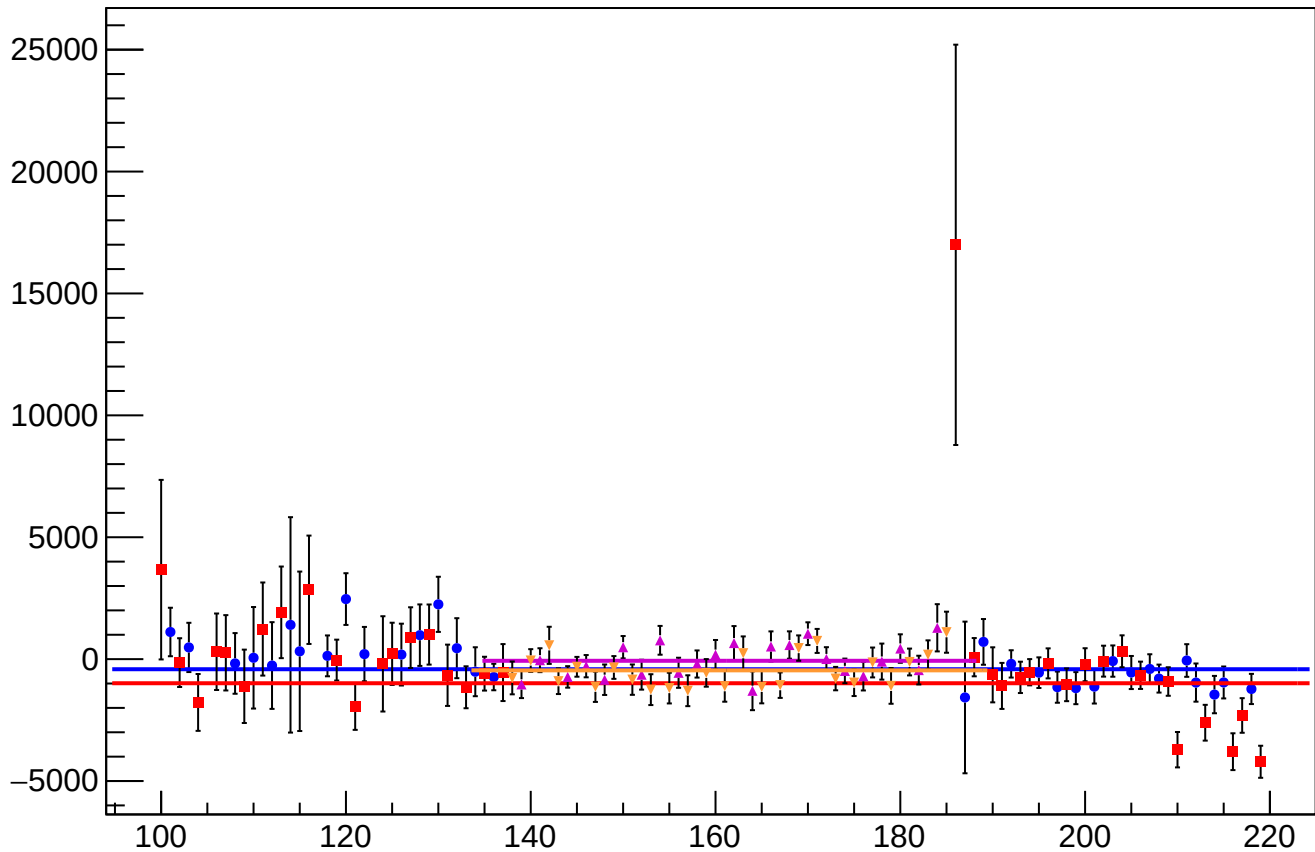
Left In: 513.374 ± 0.086 χ^2/NDF : 633997.9/22

+ sign 564.705 ± 0.065 χ^2/NDF : 3106738.7/56

All: 565.774 ± 0.046 χ^2/NDF : 6829826.0/116

- sign 566.853 ± 0.065 χ^2/NDF : 3722542.8/59

asym_sam_26_48_dd_mean vs Slug



Right In: -413.930 ± 144.015 χ^2/NDF : 30.7/31

Left Out: -459.862 ± 114.233 χ^2/NDF : 30.8/24

Right Out: -988.619 ± 140.643 χ^2/NDF : 97.0/36

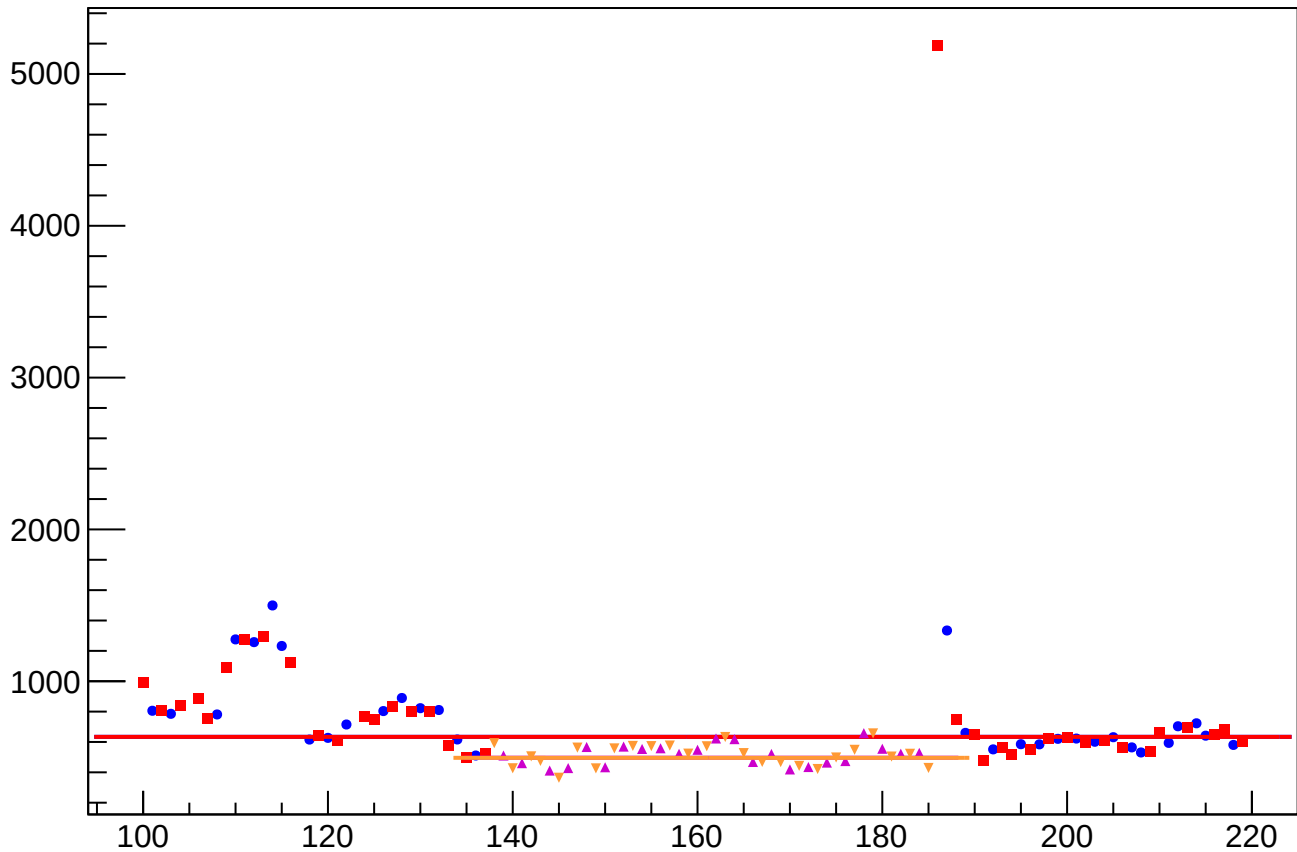
Left In: -68.043 ± 117.366 χ^2/NDF : 28.6/22

+ sign -442.123 ± 89.497 χ^2/NDF : 61.6/56

All: -444.024 ± 63.500 χ^2/NDF : 212.5/116

- sign -445.950 ± 90.111 χ^2/NDF : 150.8/59

asym_sam_26_48_dd_rms vs Slug



Right In: 633.815+/-0.102 χ^2/NDF : 1375384.5/31

Left Out: 495.514+/-0.081 χ^2/NDF : 804659.4/24

Right Out: 633.517+/-0.099 χ^2/NDF : 2214877.5/36

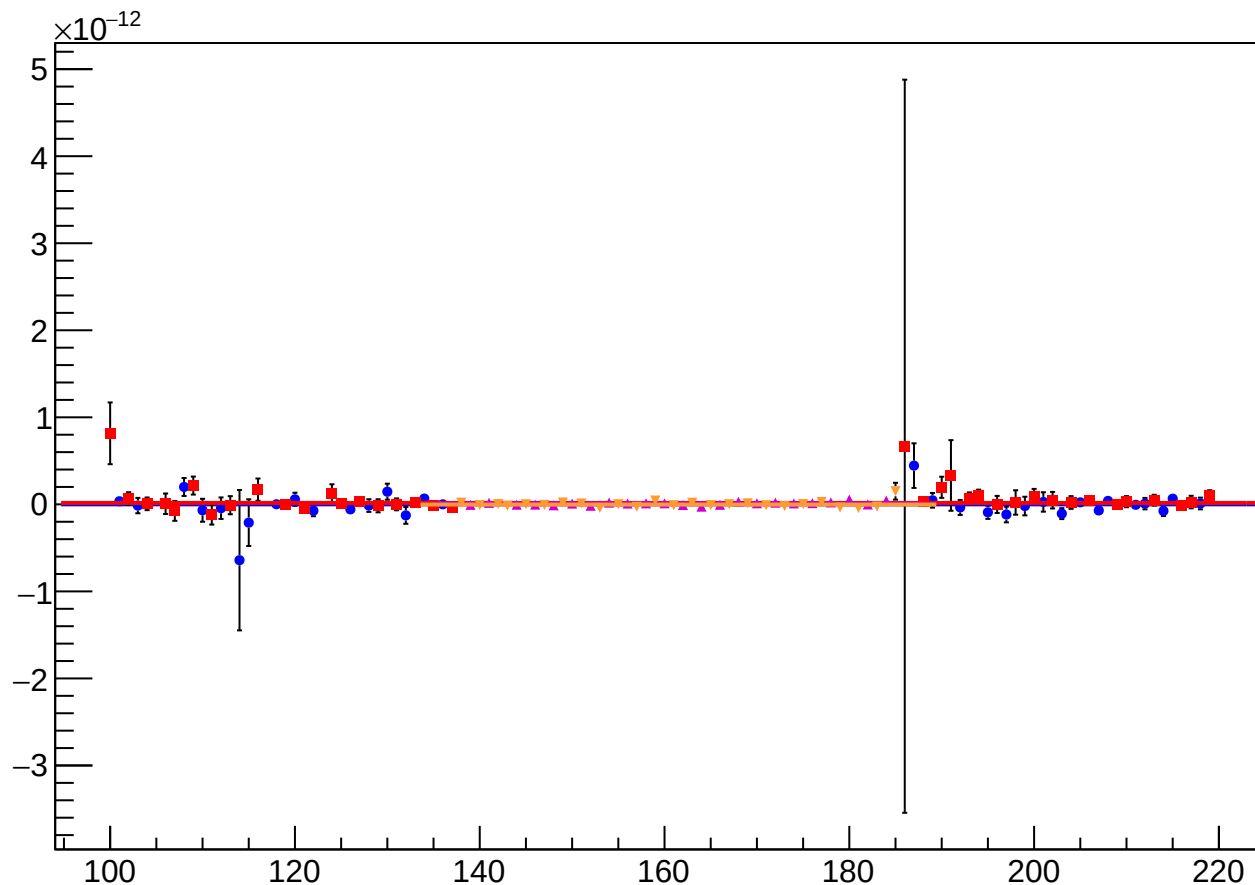
Left In: 496.307+/-0.083 χ^2/NDF : 622356.2/22

+ sign 548.925+/-0.063 χ^2/NDF : 3312187.8/56

All: 550.766+/-0.045 χ^2/NDF : 7273245.9/116

- sign 552.634+/-0.064 χ^2/NDF : 3959352.4/59

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 32.8/31

Left Out: -0.000+/-0.000 χ^2/NDF : 25.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 28.4/36

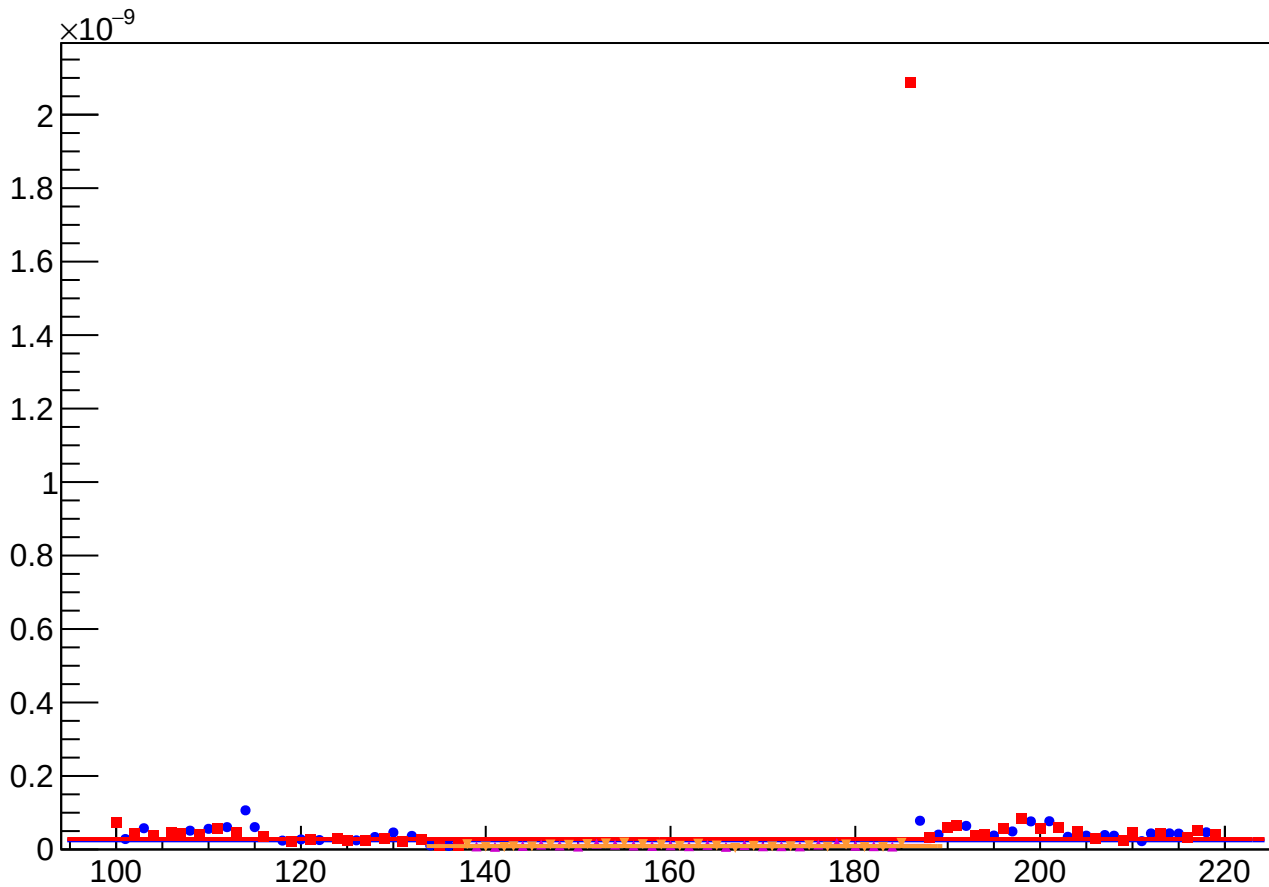
Left In: 0.000+/-0.000 χ^2/NDF : 15.5/22

+ sign -0.000+/-0.000 χ^2/NDF : 58.0/56

All: 0.000+/-0.000 χ^2/NDF : 107.5/116

- sign 0.000+/-0.000 χ^2/NDF : 44.5/59

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6090481.0/31

Left Out: 0.000+/-0.000 χ^2/NDF :1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4707532.0/36

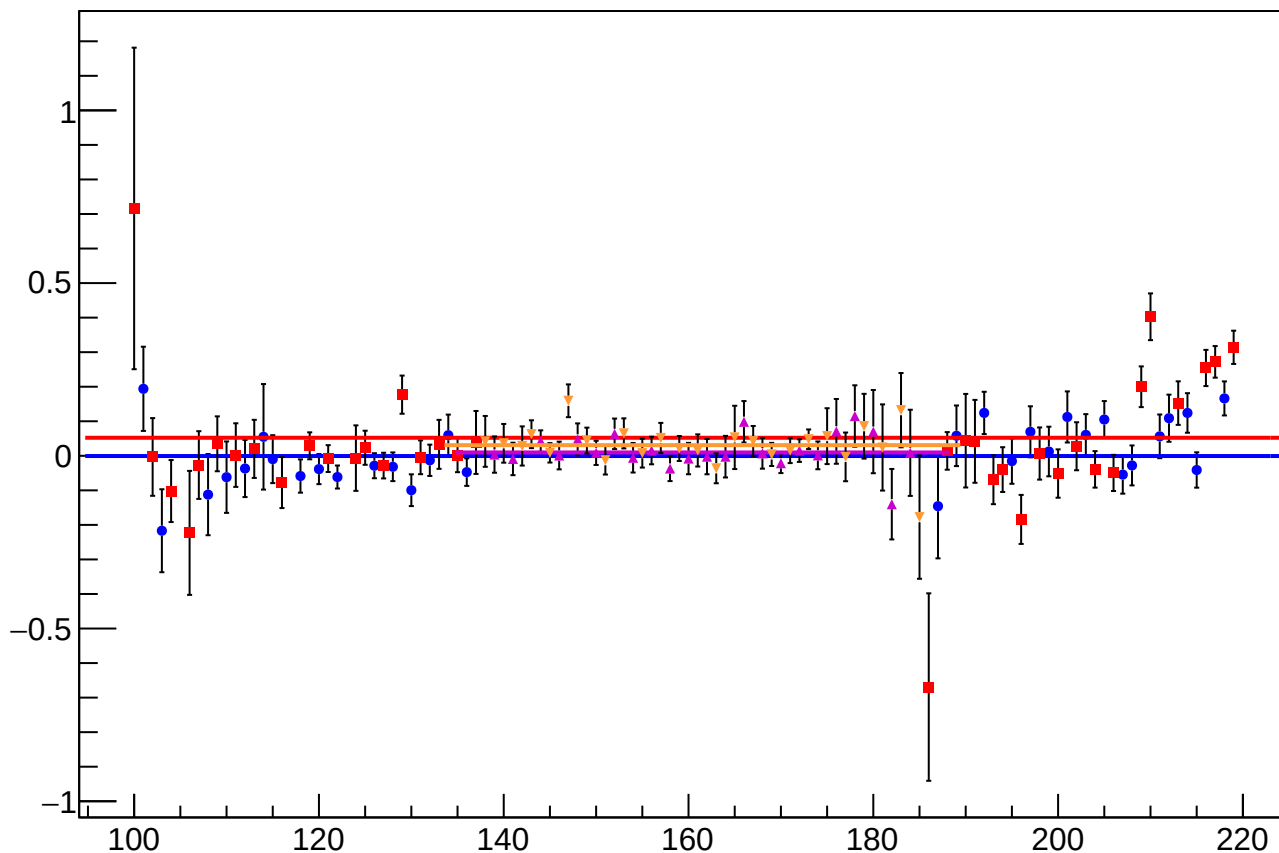
Left In: 0.000+/-0.000 χ^2/NDF :622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 12704804.8/56

All: 0.000+/-0.000 χ^2/NDF : 23992892.2/116

- sign 0.000+/-0.000 χ^2/NDF : 11222126.0/59

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.010 χ^2/NDF : 56.4/31

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.052 ± 0.010 χ^2/NDF : 163.8/36

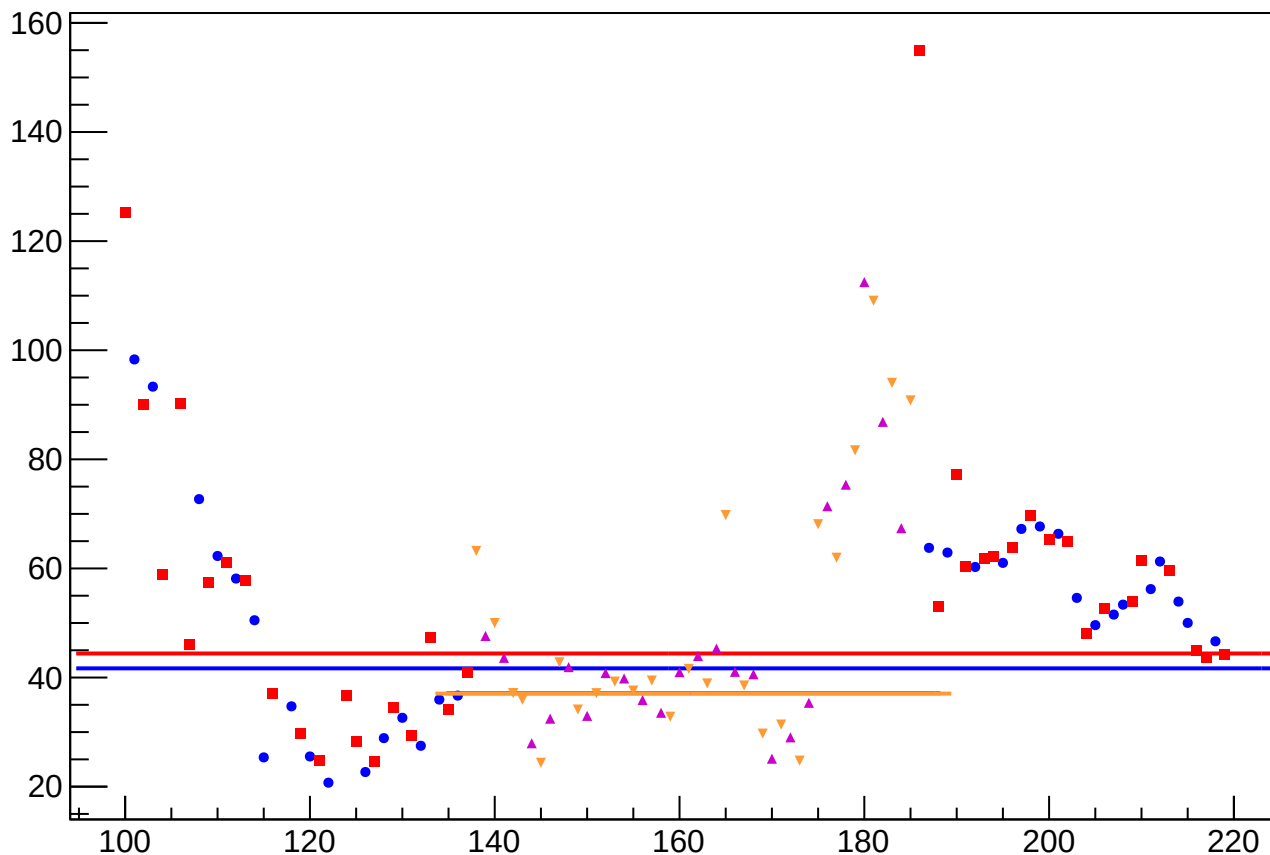
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.017 ± 0.007 χ^2/NDF : 79.5/56

All: 0.023 ± 0.005 χ^2/NDF : 267.5/116

- sign 0.029 ± 0.007 χ^2/NDF : 186.4/59

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.684 $\pm$ 0.007 χ^2 /NDF: 5349659.1/31

Left Out: 37.057 $\pm$ 0.006 χ^2 /NDF: 4053719.8/24

Right Out: 44.408 $\pm$ 0.007 χ^2 /NDF: 4587240.6/36

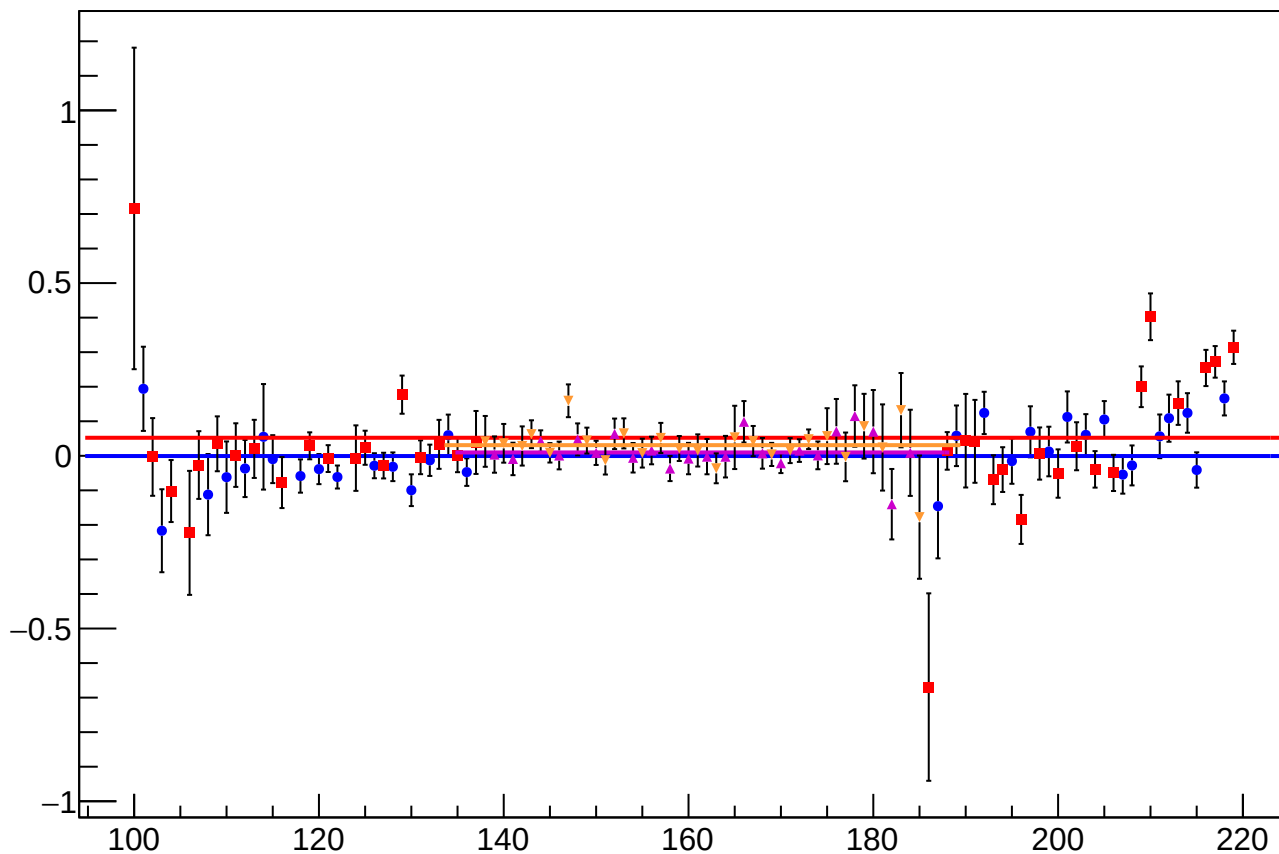
Left In: 37.127 $\pm$ 0.007 χ^2 /NDF: 3012795.5/22

+ sign 39.140 $\pm$ 0.005 χ^2 /NDF: 9634713.7/56

All: 39.768 $\pm$ 0.003 χ^2 /NDF: 17817039.4/116

- sign 40.428 $\pm$ 0.005 χ^2 /NDF: 8146951.5/59

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.010 χ^2/NDF : 56.4/31

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.052 ± 0.010 χ^2/NDF : 163.8/36

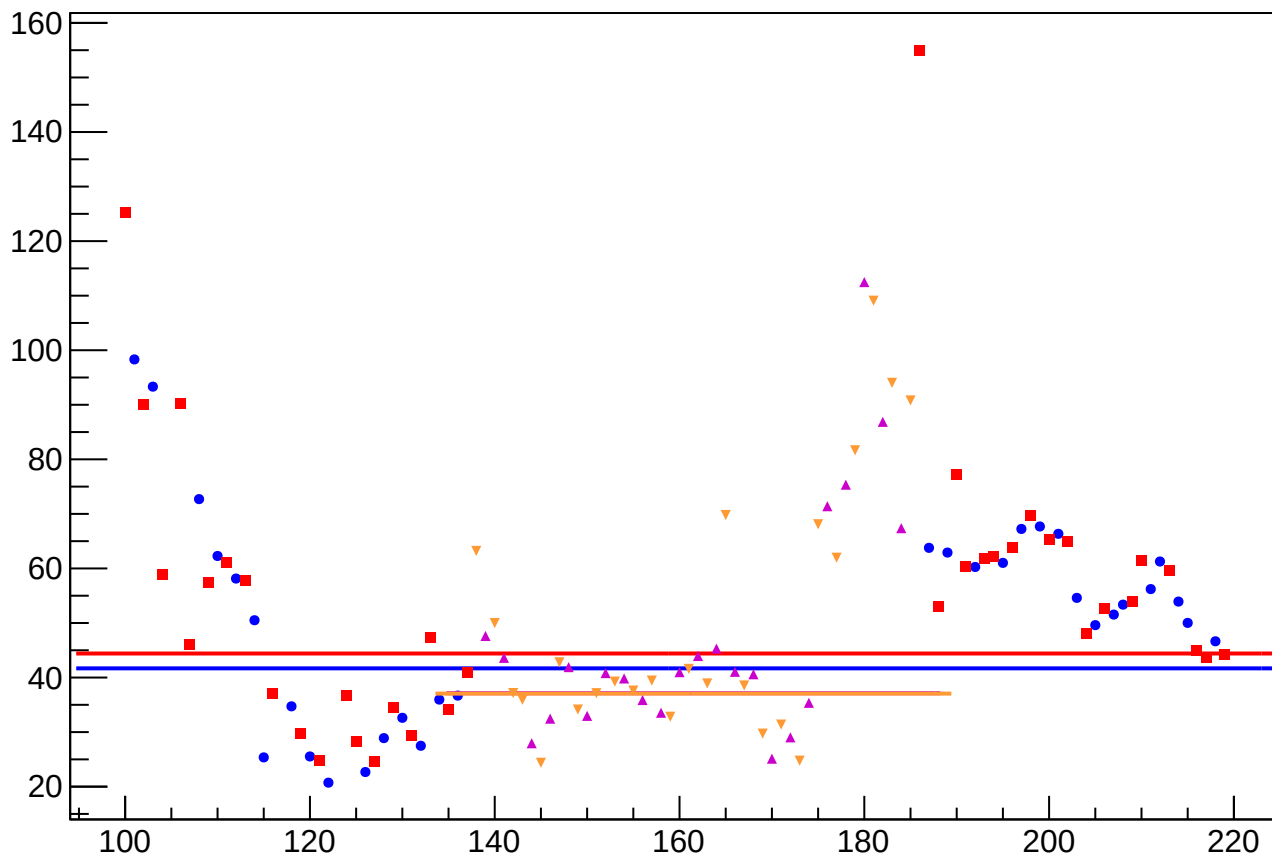
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.017 ± 0.007 χ^2/NDF : 79.5/56

All: 0.023 ± 0.005 χ^2/NDF : 267.5/116

- sign 0.029 ± 0.007 χ^2/NDF : 186.4/59

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.684 ± 0.007 $\chi^2/\text{NDF}: 5349659.1/31$

Left Out: 37.057 ± 0.006 $\chi^2/\text{NDF}: 4053719.8/24$

Right Out: 44.408 ± 0.007 $\chi^2/\text{NDF}: 4587240.6/36$

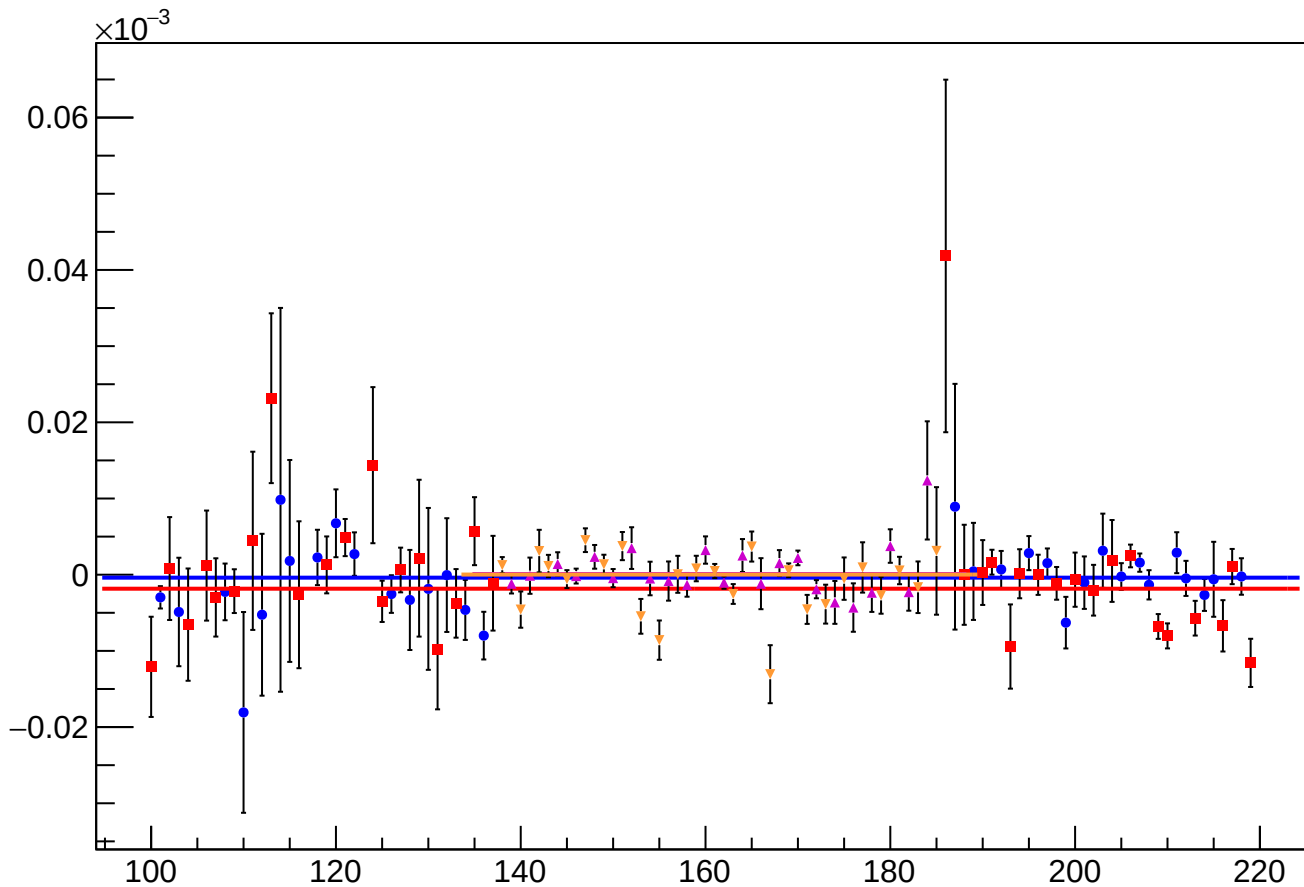
Left In: 37.127 ± 0.007 $\chi^2/\text{NDF}: 3012795.5/22$

+ sign 39.140 ± 0.005 $\chi^2/\text{NDF}: 9634713.7/56$

All: 39.768 ± 0.003 $\chi^2/\text{NDF}: 17817039.4/116$

- sign 40.428 ± 0.005 $\chi^2/\text{NDF}: 8146951.5/59$

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 31.1/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 67.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 84.4/36

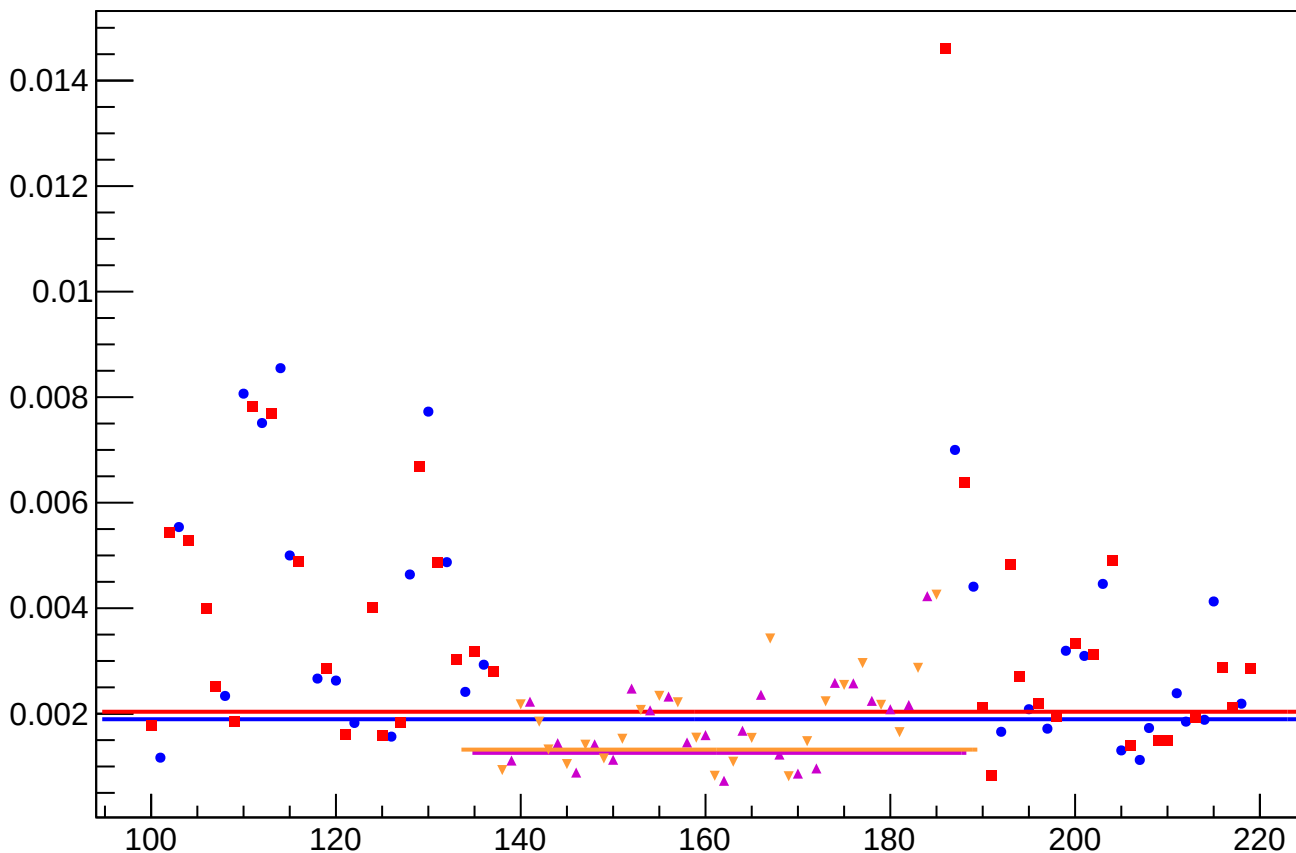
Left In: 0.000 ± 0.000 χ^2/NDF : 32.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 99.2/56

All: -0.000 ± 0.000 χ^2/NDF : 226.7/116

- sign -0.000 ± 0.000 χ^2/NDF : 126.7/59

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 $\chi^2/\text{NDF}: 7227619.2/31$

Left Out: 0.001+/-0.000 $\chi^2/\text{NDF}: 5632532.9/24$

Right Out: 0.002+/-0.000 $\chi^2/\text{NDF}: 8782952.8/36$

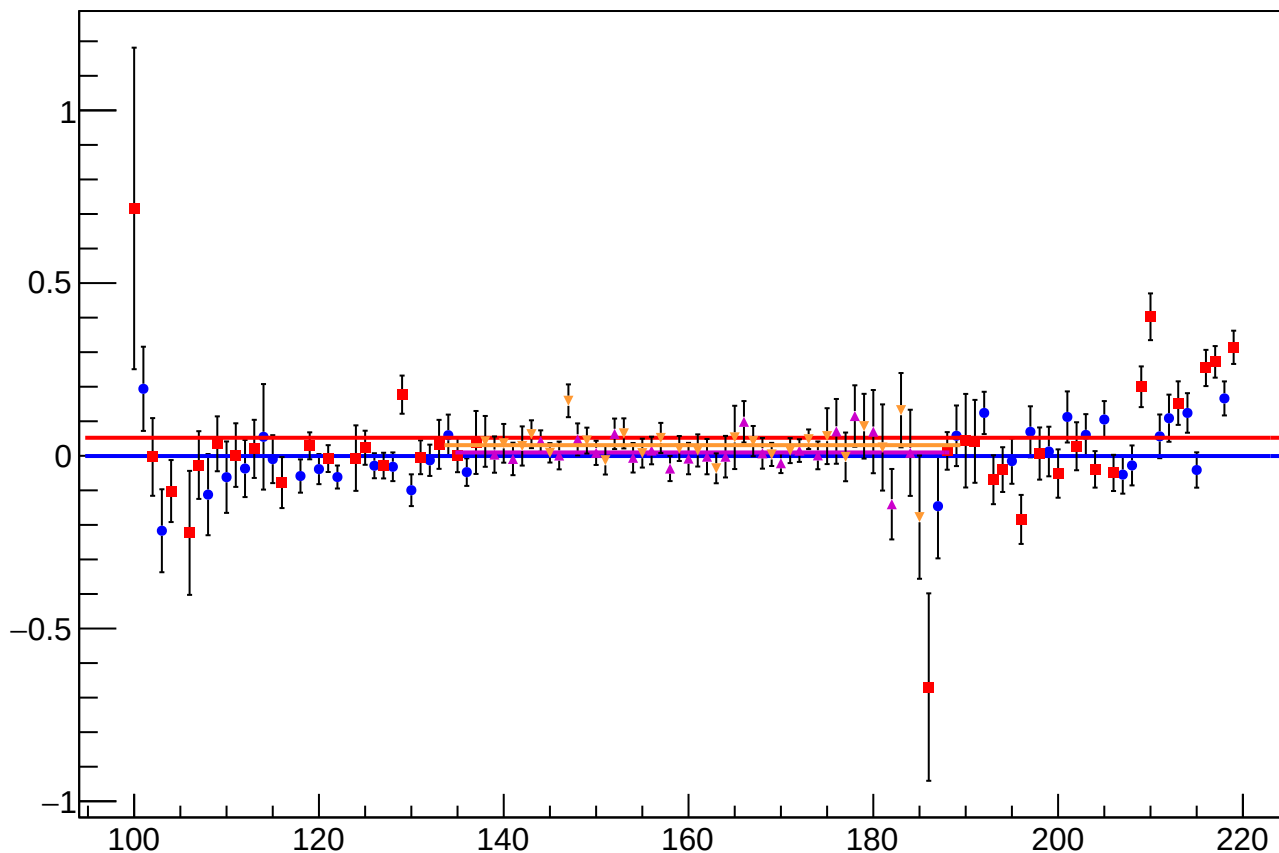
Left In: 0.001+/-0.000 $\chi^2/\text{NDF}: 5369001.1/22$

+ sign 0.002+/-0.000 $\chi^2/\text{NDF}: 14750064.9/56$

All: 0.001+/-0.000 $\chi^2/\text{NDF}: 32203060.5/116$

- sign 0.001+/-0.000 $\chi^2/\text{NDF}: 17450427.4/59$

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.010 χ^2/NDF : 56.4/31

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.052 ± 0.010 χ^2/NDF : 163.8/36

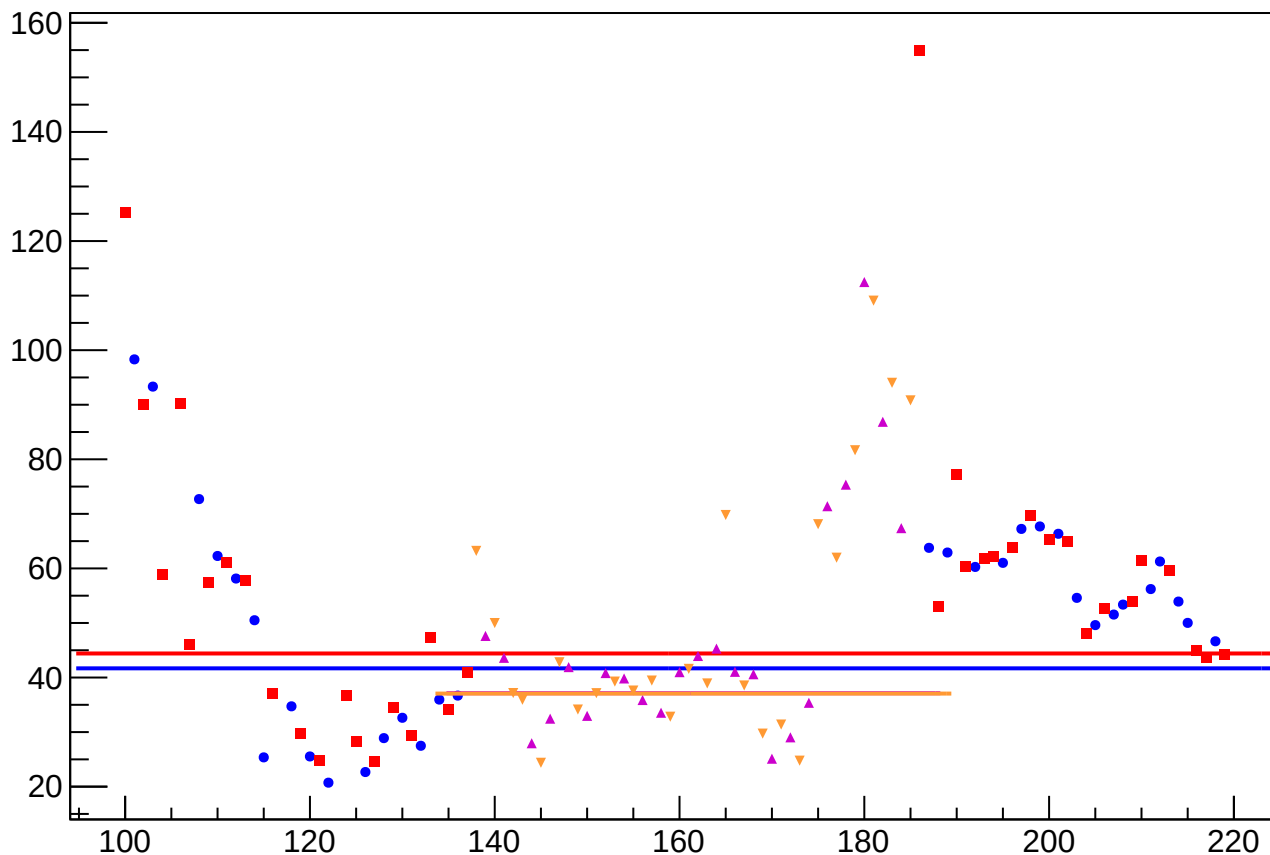
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.017 ± 0.007 χ^2/NDF : 79.5/56

All: 0.023 ± 0.005 χ^2/NDF : 267.5/116

- sign 0.029 ± 0.007 χ^2/NDF : 186.4/59

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.684+/-0.007 χ^2/NDF : 5349526.7/31

Left Out: 37.057+/-0.006 χ^2/NDF : 4053728.9/24

Right Out: 44.408+/-0.007 χ^2/NDF : 4587022.2/36

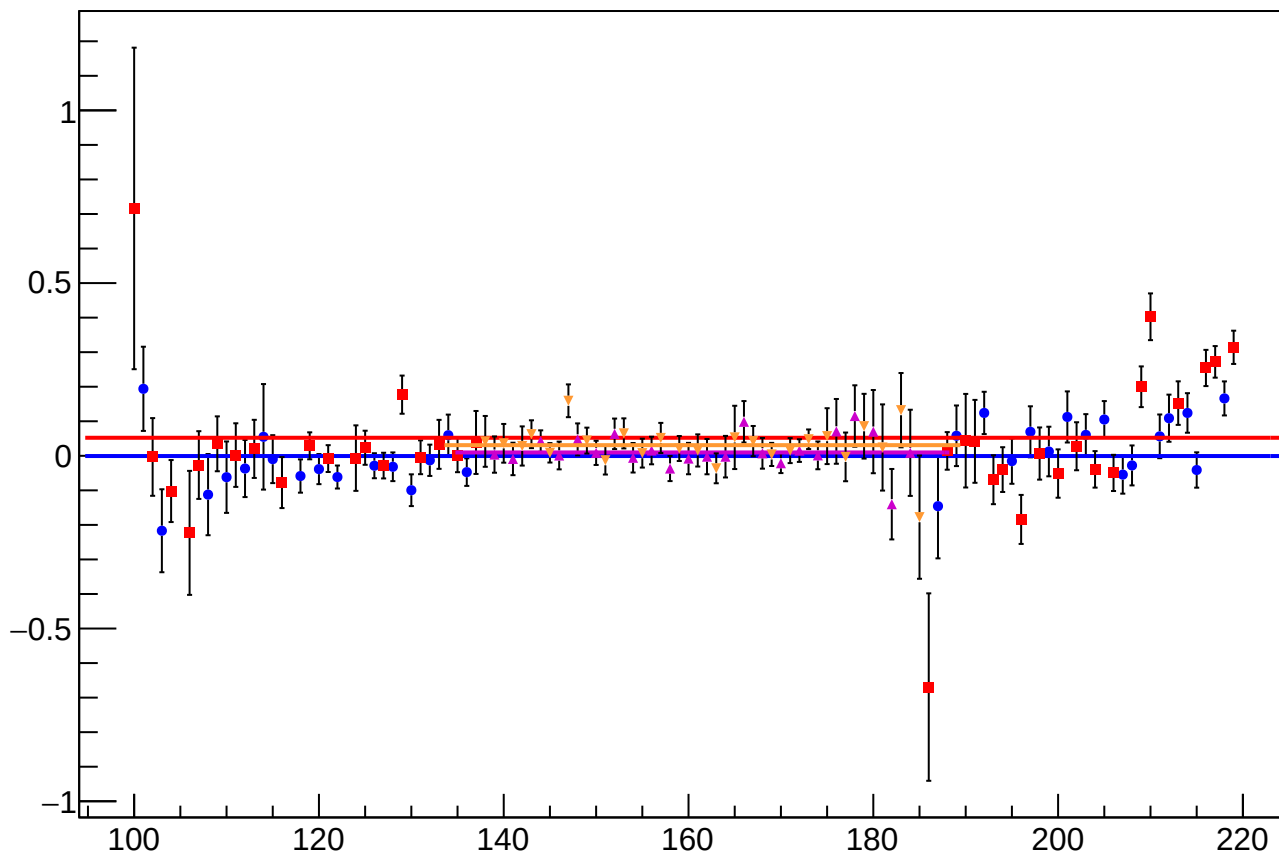
Left In: 37.127+/-0.007 χ^2/NDF : 3012767.1/22

+ sign 39.140+/-0.005 χ^2/NDF : 9634623.3/56

All: 39.769+/-0.003 χ^2/NDF : 17816752.5/116

- sign 40.428+/-0.005 χ^2/NDF : 8146756.1/59

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.010 χ^2/NDF : 56.4/31

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.052 ± 0.010 χ^2/NDF : 163.8/36

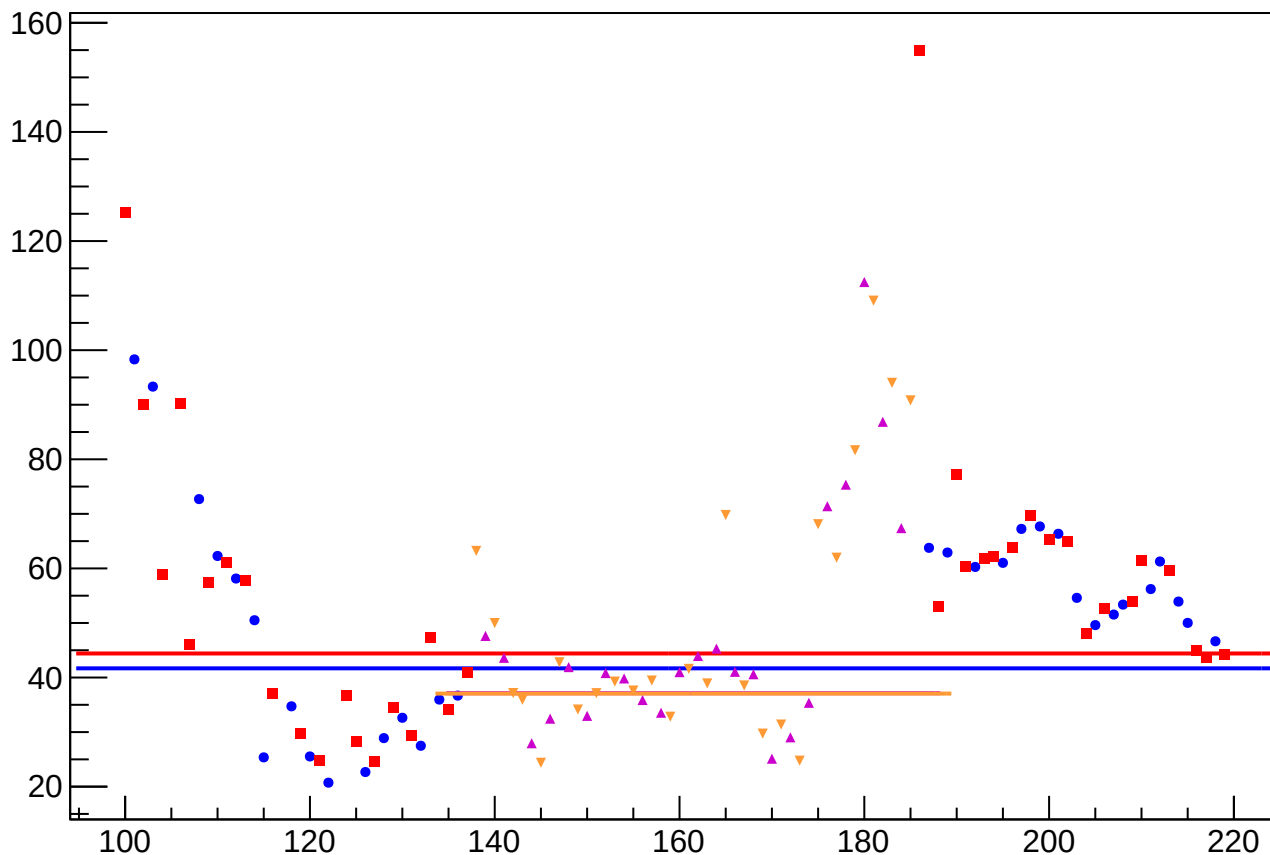
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.017 ± 0.007 χ^2/NDF : 79.5/56

All: 0.023 ± 0.005 χ^2/NDF : 267.5/116

- sign 0.029 ± 0.007 χ^2/NDF : 186.4/59

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.684 $\pm$ 0.007 χ^2 /NDF: 5349526.7/31

Left Out: 37.057 $\pm$ 0.006 χ^2 /NDF: 4053728.9/24

Right Out: 44.408 $\pm$ 0.007 χ^2 /NDF: 4587022.2/36

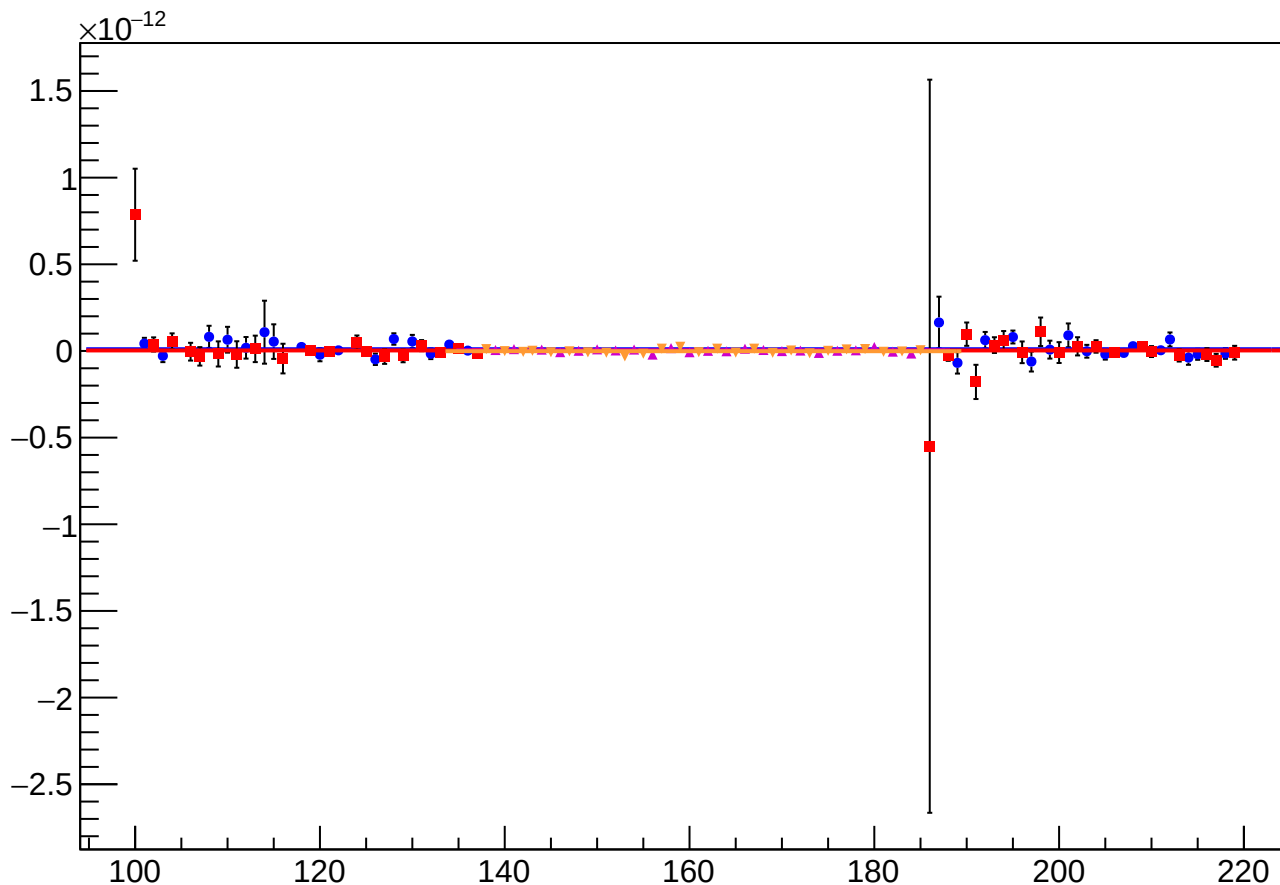
Left In: 37.127 $\pm$ 0.007 χ^2 /NDF: 3012767.1/22

+ sign 39.140 $\pm$ 0.005 χ^2 /NDF: 9634623.3/56

All: 39.769 $\pm$ 0.003 χ^2 /NDF: 17816752.5/116

- sign 40.428 $\pm$ 0.005 χ^2 /NDF: 8146756.1/59

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.3/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.5/36

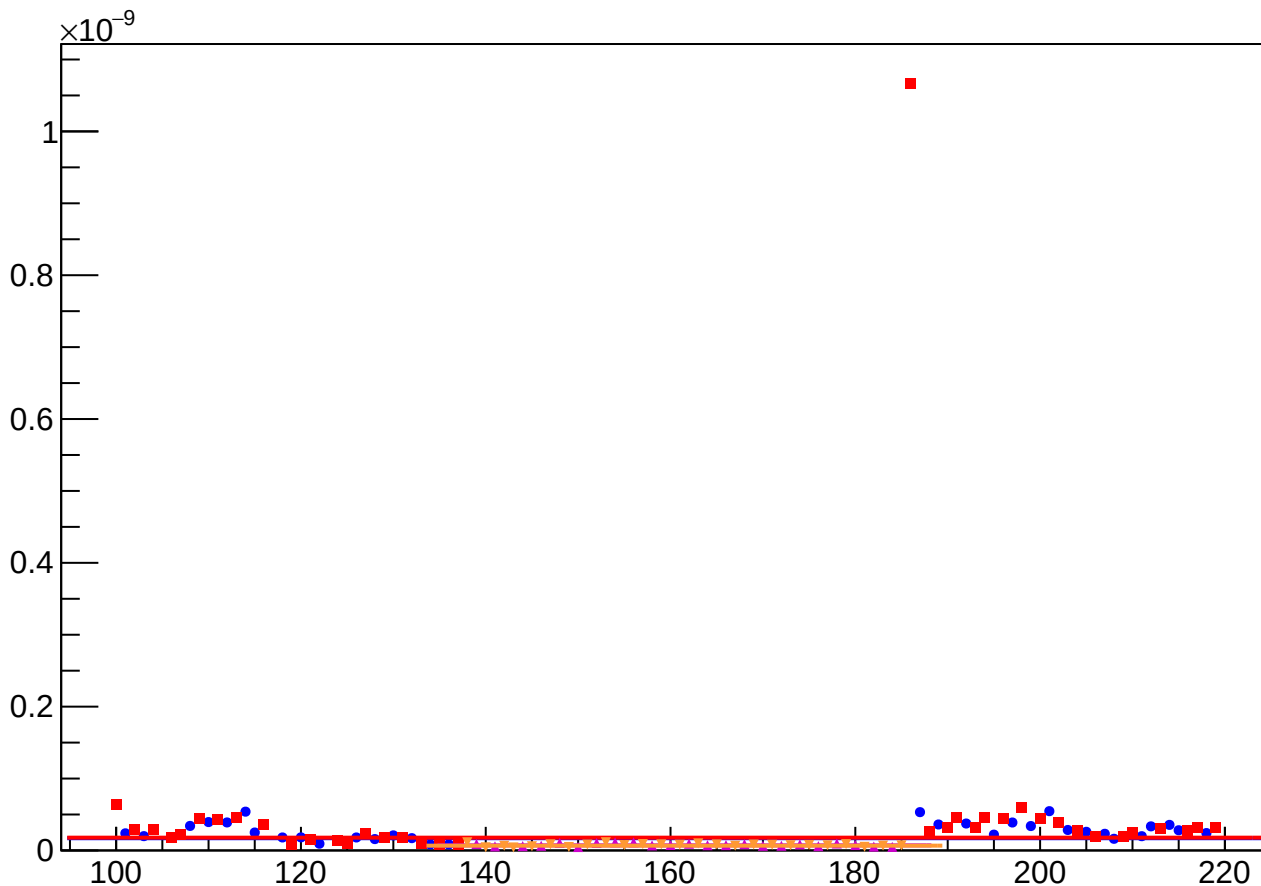
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64.4/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 118.9/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 53.0/59

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6503749.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8388985.0/36

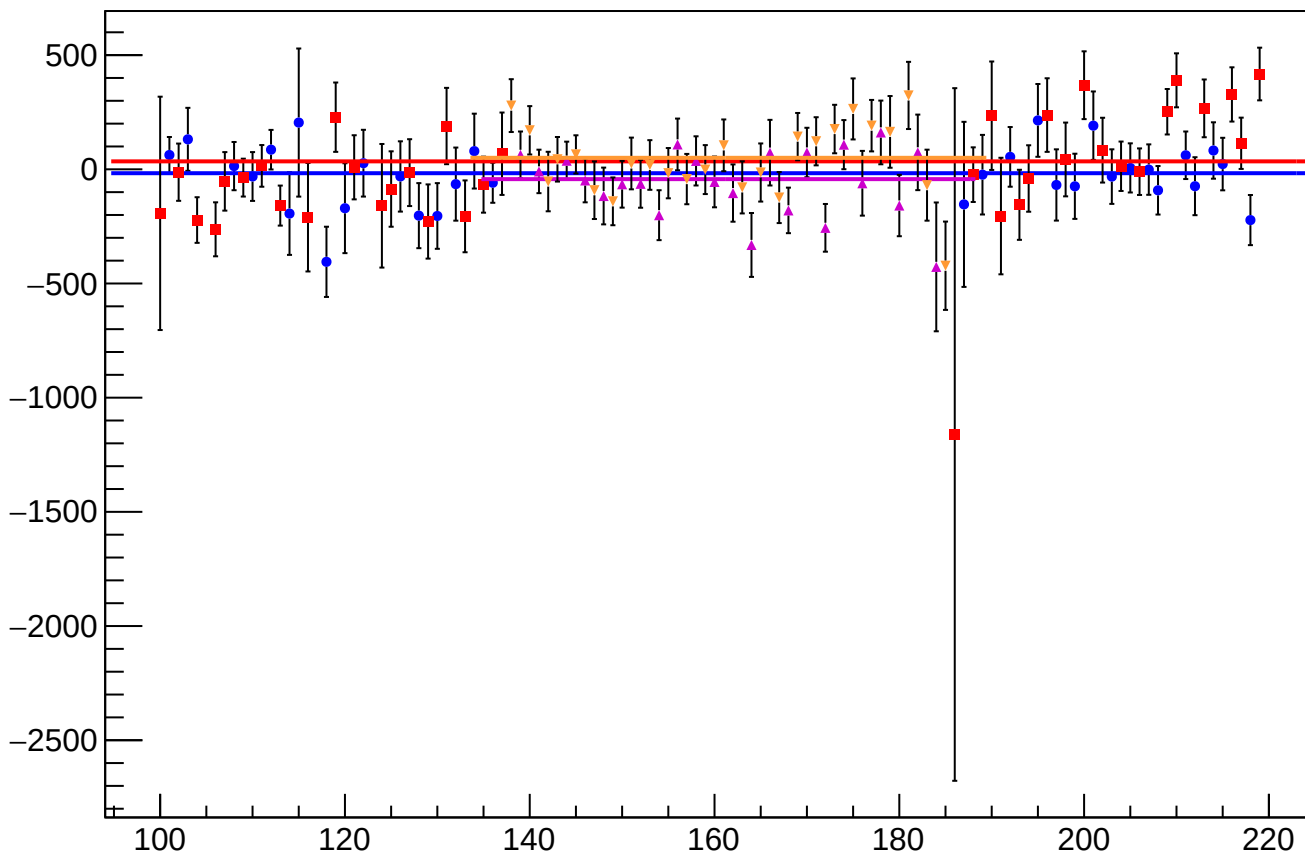
Left In: 0.000+/-0.000 χ^2/NDF : 1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 15315458.1/56

All: 0.000+/-0.000 χ^2/NDF : 32050466.9/116

- sign 0.000+/-0.000 χ^2/NDF : 16648945.0/59

reg_asym_sam_1548_avg_mean vs Slug



Right In: -17.059 ± 22.337 χ^2/NDF : 26.6/31

Left Out: 50.314 ± 22.958 χ^2/NDF : 33.5/24

Right Out: 34.788 ± 21.704 χ^2/NDF : 75.8/36

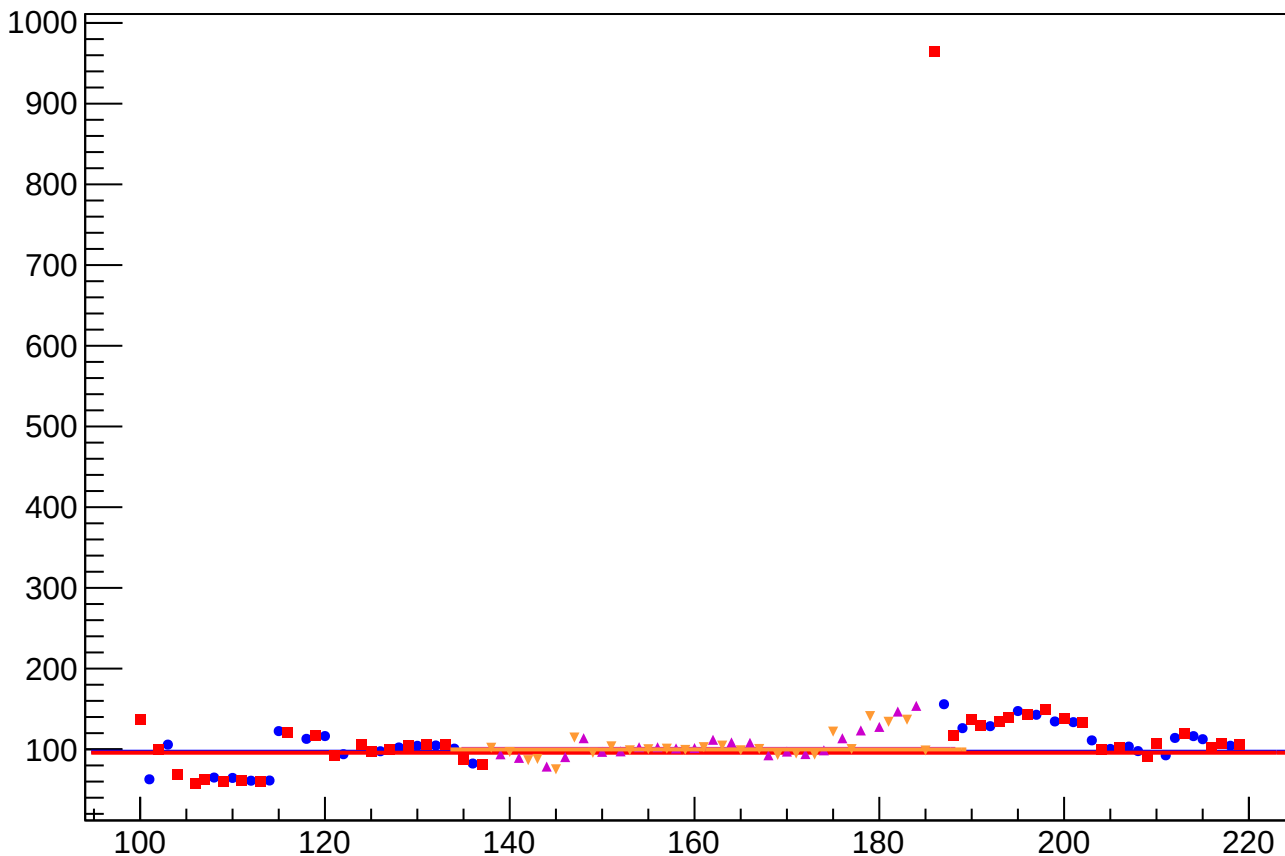
Left In: -43.026 ± 23.758 χ^2/NDF : 26.6/22

+ sign 15.704 ± 16.009 χ^2/NDF : 64.5/56

All: 7.554 ± 11.326 χ^2/NDF : 173.3/116

- sign -0.610 ± 16.024 χ^2/NDF : 108.3/59

reg_asym_sam_1548_avg_rms vs Slug



Right In: 96.994 $\pm$ 0.016 χ^2 /NDF: 2326161.7/31

Left Out: 99.839 $\pm$ 0.016 χ^2 /NDF: 697768.7/24

Right Out: 95.758 $\pm$ 0.015 χ^2 /NDF: 3584528.3/36

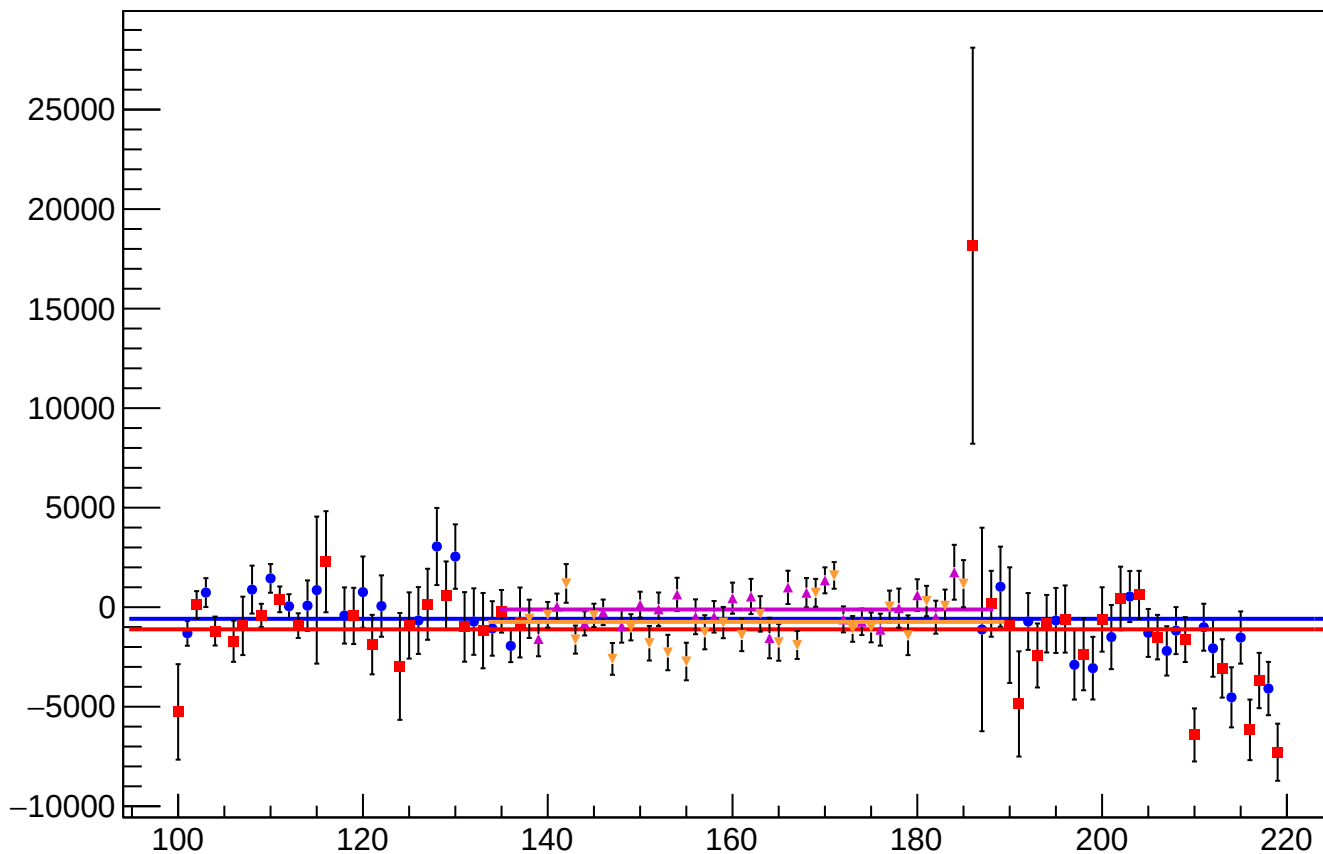
Left In: 100.498 $\pm$ 0.017 χ^2 /NDF: 656850.1/22

+ sign 98.378 $\pm$ 0.011 χ^2 /NDF: 3039702.7/56

All: 98.146 $\pm$ 0.008 χ^2 /NDF: 7325303.5/116

- sign 97.914 $\pm$ 0.011 χ^2 /NDF: 4284764.2/59

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -583.930 $\pm$ 209.160 χ^2 /NDF: 50.2/31

Left Out: -738.364 $\pm$ 156.311 χ^2 /NDF: 49.7/24

Right Out: -1111.304 $\pm$ 199.015 χ^2 /NDF: 80.3/36

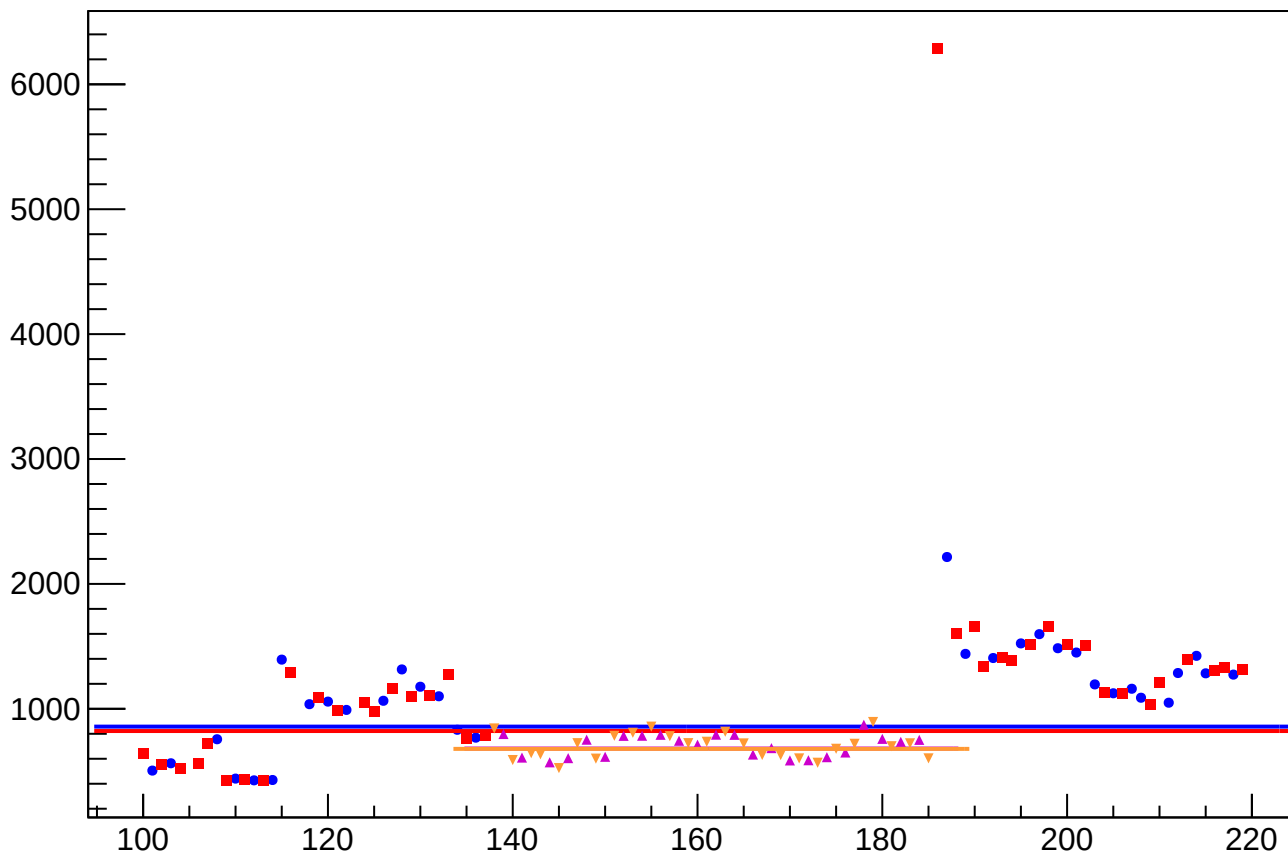
Left In: -115.639 $\pm$ 160.990 χ^2 /NDF: 23.7/22

+ sign -683.022 $\pm$ 125.209 χ^2 /NDF: 100.2/56

All: -596.213 $\pm$ 88.521 χ^2 /NDF: 220.3/116

- sign -509.466 $\pm$ 125.165 χ^2 /NDF: 119.1/59

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 857.372 $\pm$ 0.148 χ^2 /NDF: 6525062.4/31

Left Out: 679.146 $\pm$ 0.111 χ^2 /NDF: 737419.7/24

Right Out: 822.098 $\pm$ 0.141 χ^2 /NDF: 8656813.9/36

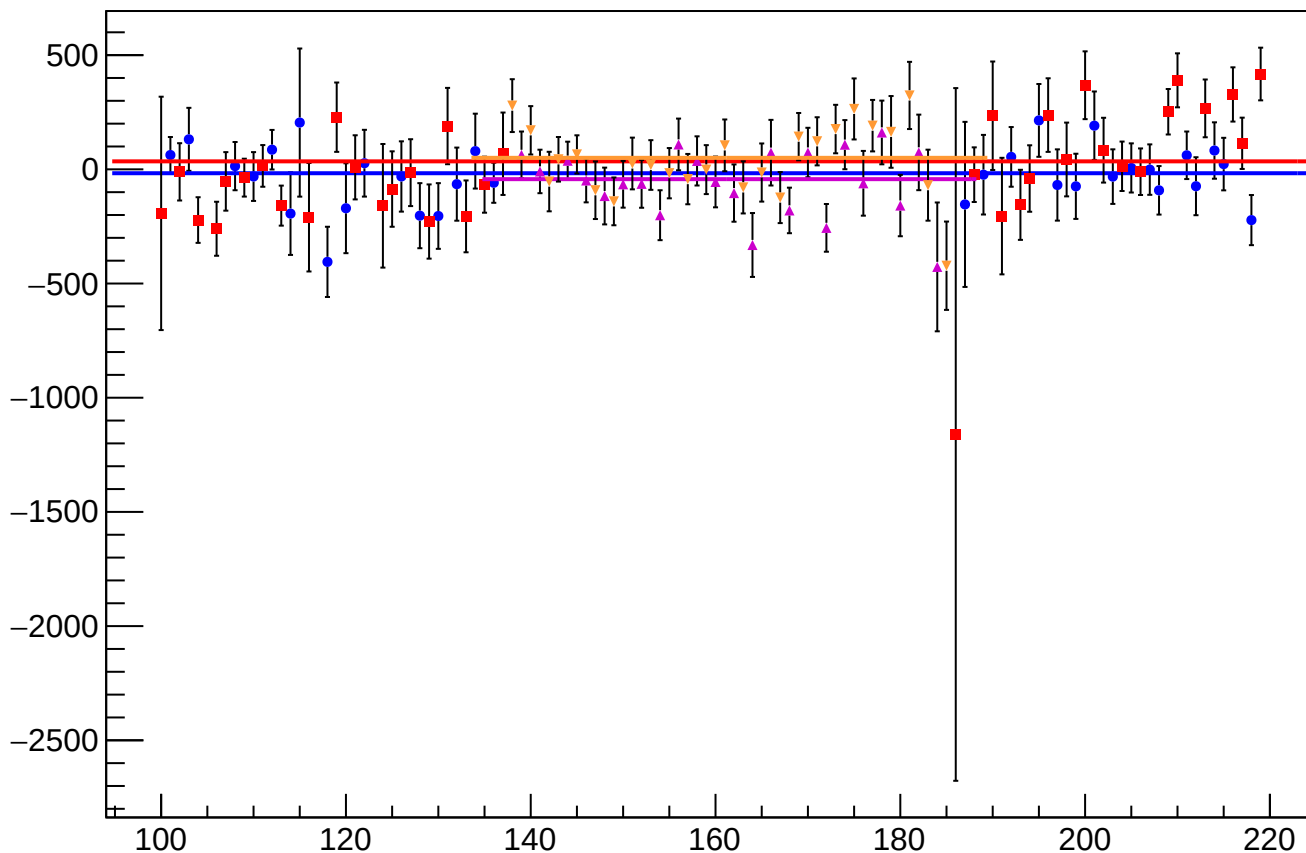
Left In: 681.893 $\pm$ 0.114 χ^2 /NDF: 573812.4/22

+ sign 743.015 $\pm$ 0.089 χ^2 /NDF: 8194252.1/56

All: 740.181 $\pm$ 0.063 χ^2 /NDF: 18026925.8/1

- sign 737.350 $\pm$ 0.089 χ^2 /NDF: 9830626.2/59

cor_asym_sam_1548_avg_mean vs Slug



Right In: -17.061 ± 22.337 χ^2/NDF : 26.6/31

Left Out: 50.322 ± 22.958 χ^2/NDF : 33.4/24

Right Out: 34.931 ± 21.704 χ^2/NDF : 75.7/36

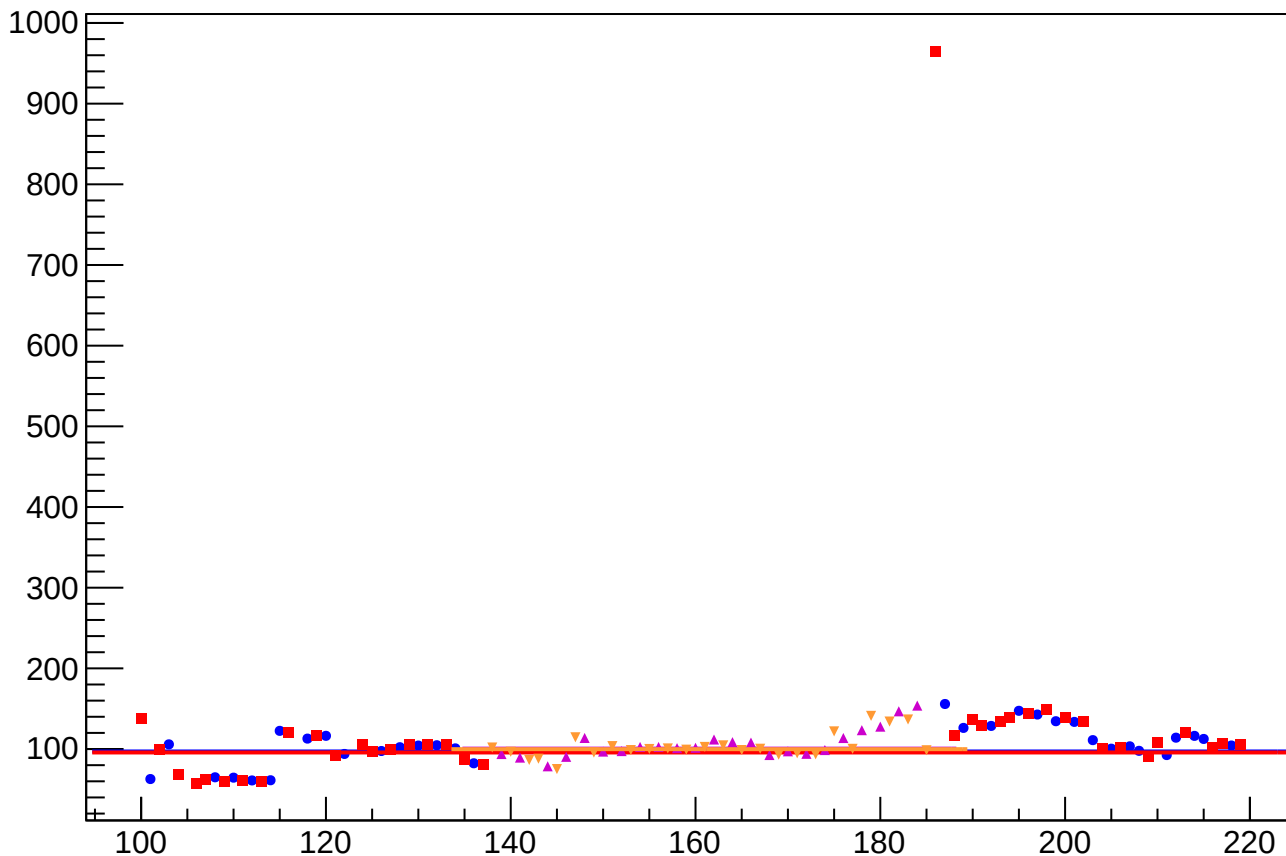
Left In: -43.026 ± 23.758 χ^2/NDF : 26.6/22

+ sign 15.707 ± 16.009 χ^2/NDF : 64.5/56

All: 7.595 ± 11.326 χ^2/NDF : 173.2/116

- sign -0.533 ± 16.024 χ^2/NDF : 108.2/59

cor_asym_sam_1548_avg_rms vs Slug



Right In: 96.994 $\pm$ 0.016 χ^2 /NDF: 2326162.7/31

Left Out: 99.839 $\pm$ 0.016 χ^2 /NDF: 697768.8/24

Right Out: 95.750 $\pm$ 0.015 χ^2 /NDF: 3588036.5/36

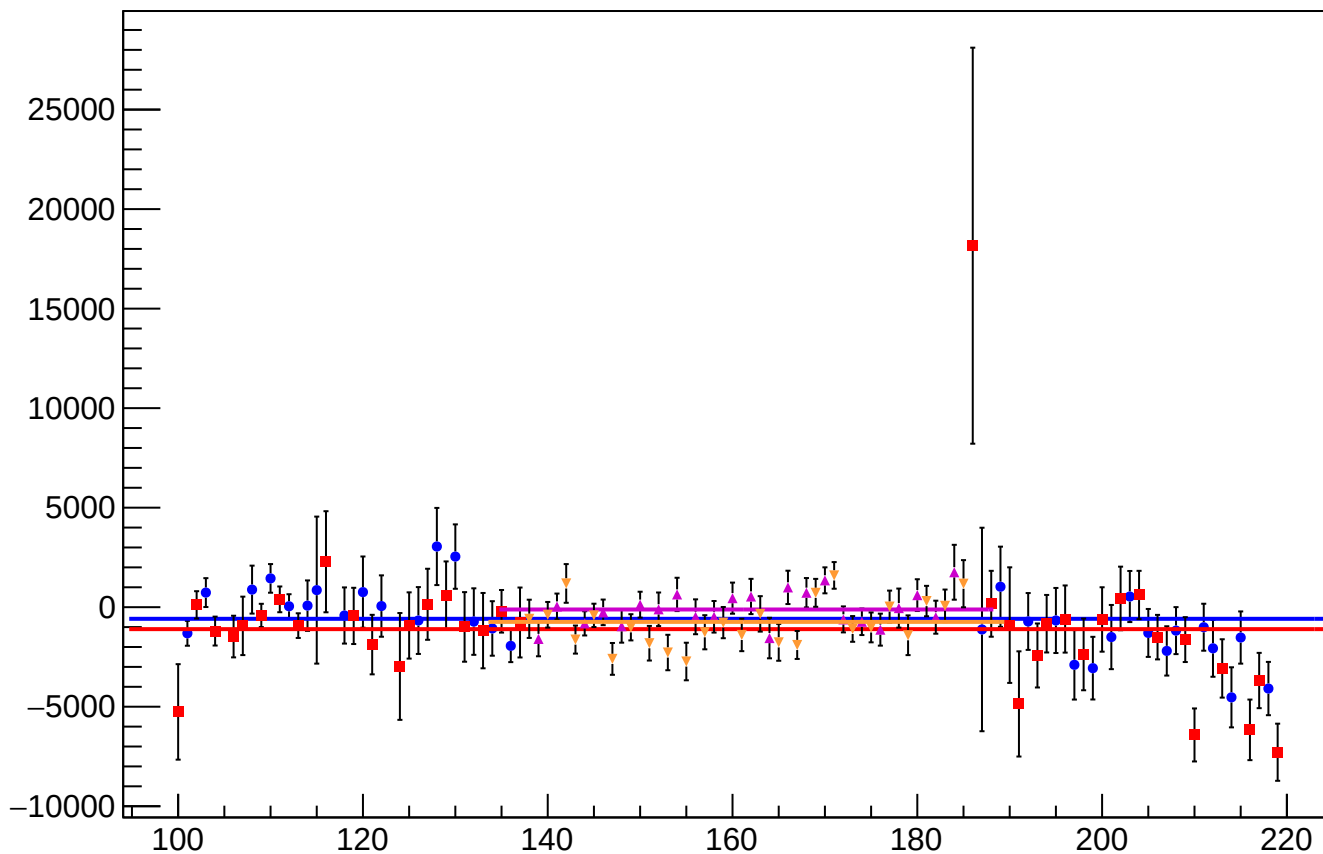
Left In: 100.498 $\pm$ 0.017 χ^2 /NDF: 656850.1/22

+ sign 98.378 $\pm$ 0.011 χ^2 /NDF: 3039703.6/56

All: 98.144 $\pm$ 0.008 χ^2 /NDF: 7328987.1/116

- sign 97.910 $\pm$ 0.011 χ^2 /NDF: 4288430.1/59

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -583.955 $\pm$ 209.162 χ^2 /NDF: 50.2/31

Left Out: -738.352 $\pm$ 156.311 χ^2 /NDF: 49.7/24

Right Out: -1102.768 $\pm$ 199.101 χ^2 /NDF: 80.0/36

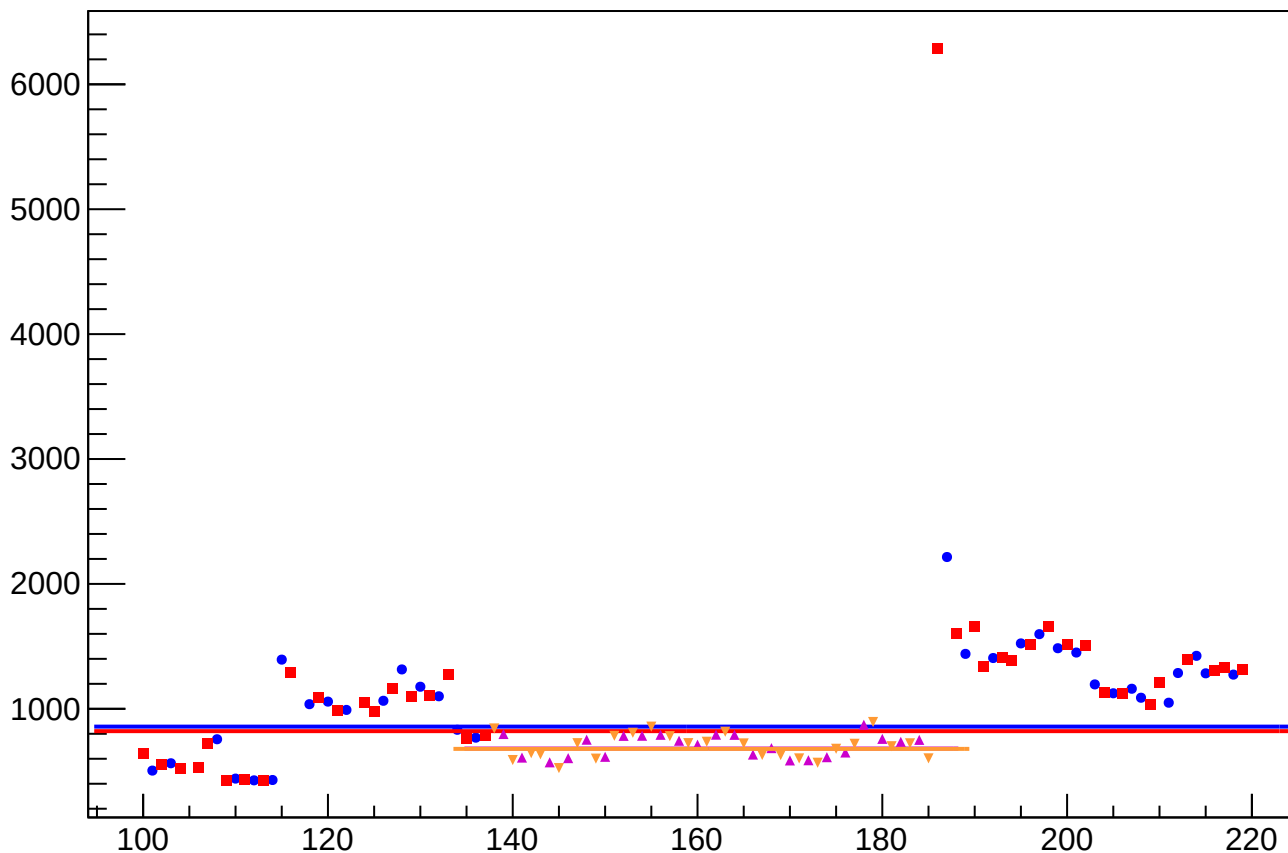
Left In: -115.639 $\pm$ 160.990 χ^2 /NDF: 23.7/22

+ sign -683.023 $\pm$ 125.210 χ^2 /NDF: 100.2/56

All: -594.438 $\pm$ 88.528 χ^2 /NDF: 219.8/116

- sign -505.886 $\pm$ 125.186 χ^2 /NDF: 118.6/59

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 857.382 $\pm$ 0.148 χ^2 /NDF: 6524871.3/31

Left Out: 679.146 $\pm$ 0.111 χ^2 /NDF: 737418.6/24

Right Out: 821.120 $\pm$ 0.141 χ^2 /NDF: 8687552.9/36

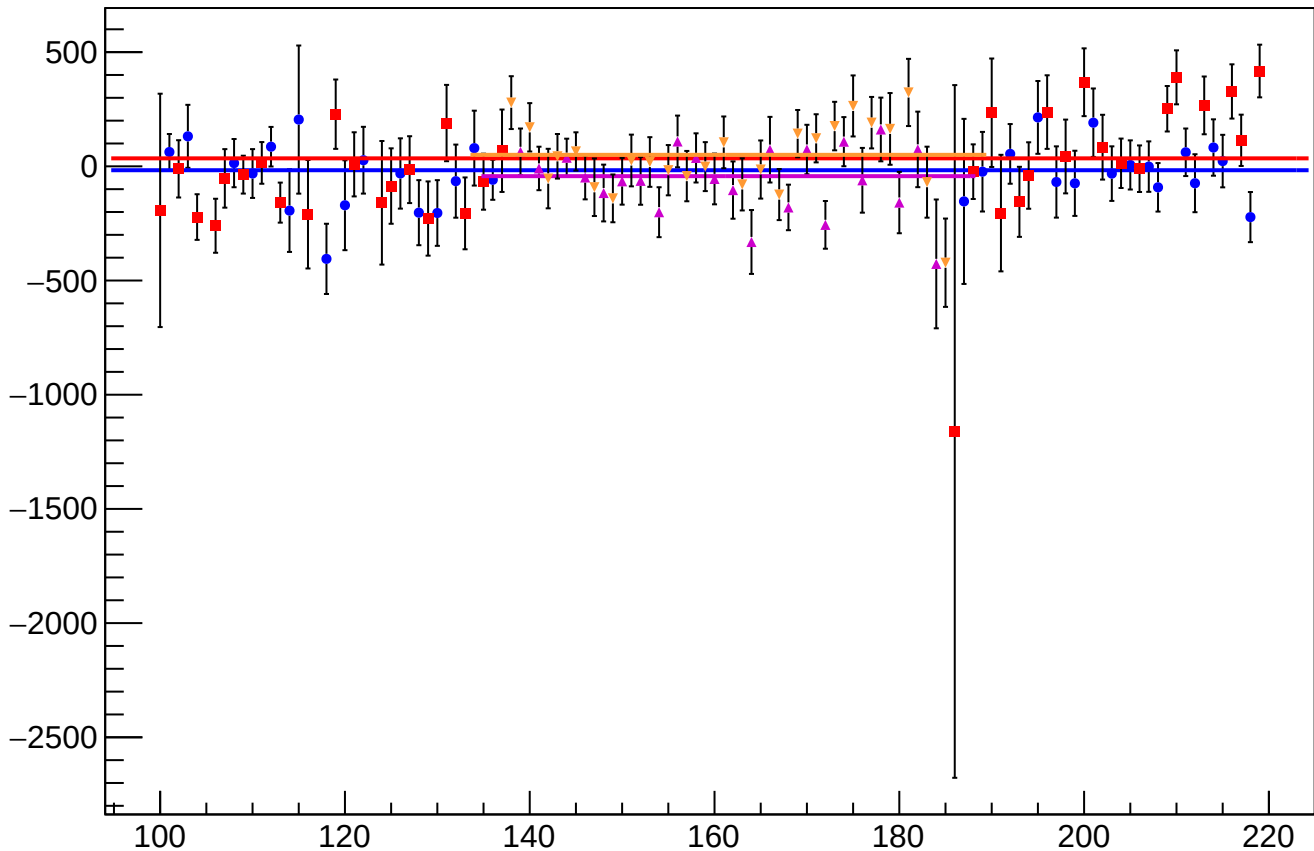
Left In: 681.893 $\pm$ 0.114 χ^2 /NDF: 573813.6/22

+ sign 743.018 $\pm$ 0.089 χ^2 /NDF: 8194149.4/56

All: 739.975 $\pm$ 0.063 χ^2 /NDF: 18049221.3/11

- sign 736.934 $\pm$ 0.089 χ^2 /NDF: 9852711.0/59

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -17.061 ± 22.337 χ^2/NDF : 26.6/31

Left Out: 50.322 ± 22.958 χ^2/NDF : 33.4/24

Right Out: 34.931 ± 21.704 χ^2/NDF : 75.7/36

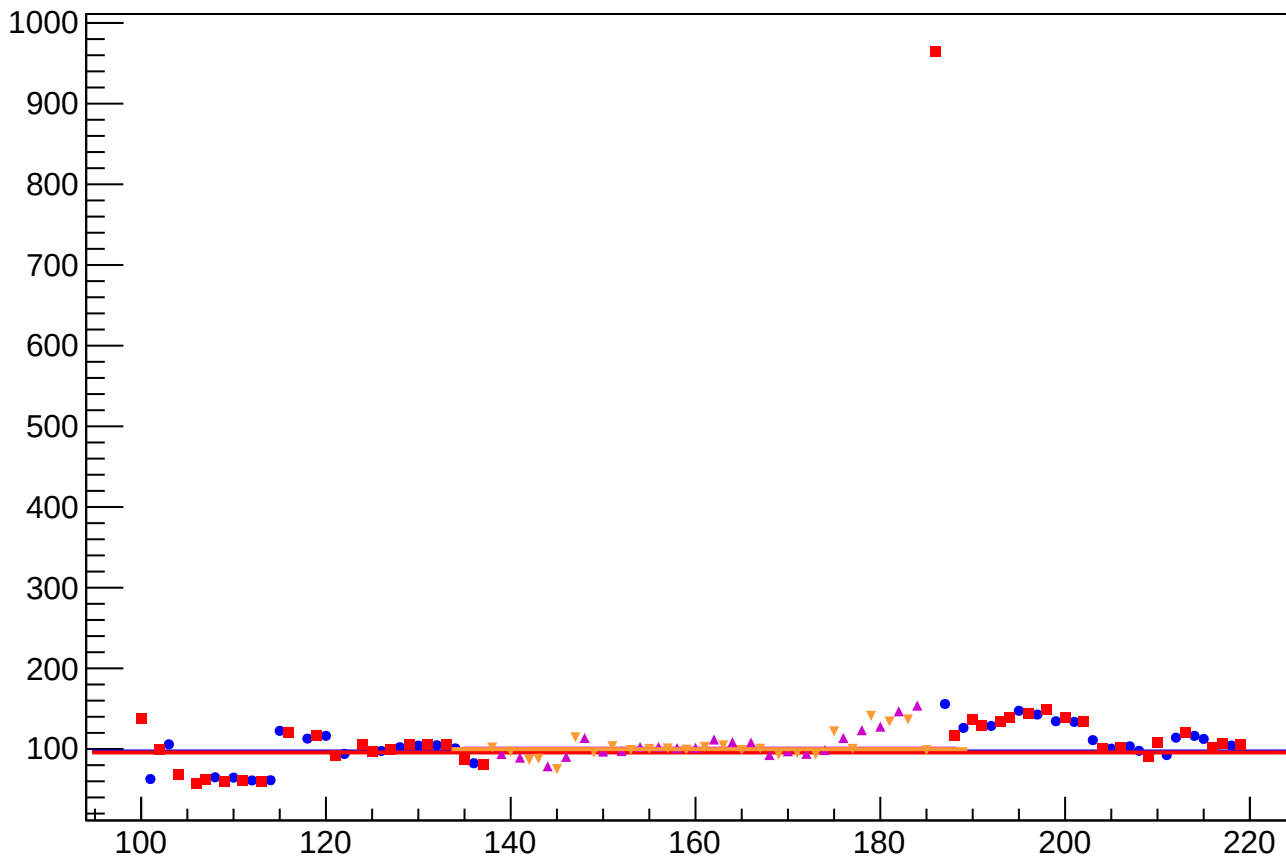
Left In: -43.026 ± 23.758 χ^2/NDF : 26.6/22

+ sign 15.707 ± 16.009 χ^2/NDF : 64.5/56

All: 7.595 ± 11.326 χ^2/NDF : 173.2/116

- sign -0.533 ± 16.024 χ^2/NDF : 108.2/59

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 96.994 $\pm$ 0.016 χ^2 /NDF: 2326162.7/31

Left Out: 99.839 $\pm$ 0.016 χ^2 /NDF: 697768.8/24

Right Out: 95.750 $\pm$ 0.015 χ^2 /NDF: 3588036.5/36

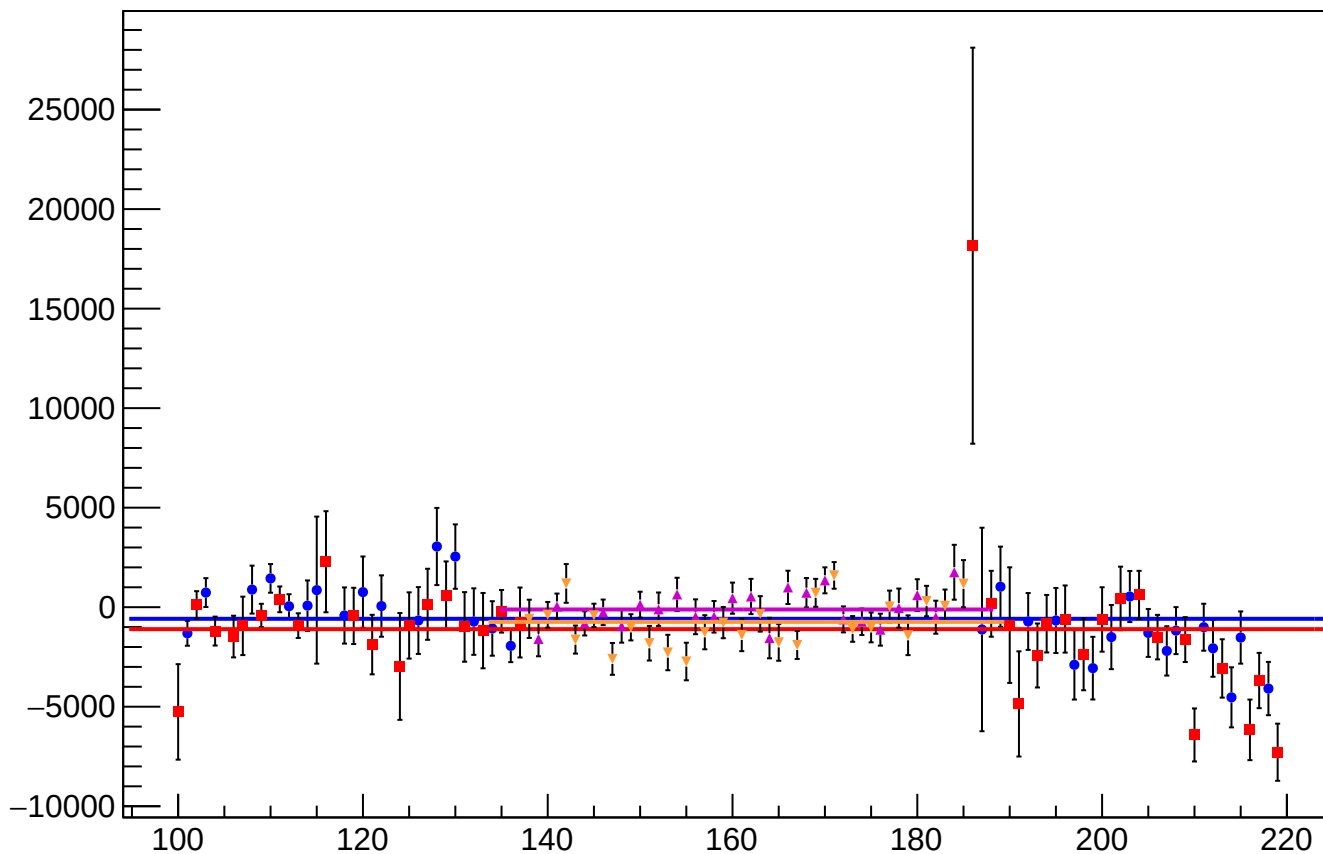
Left In: 100.498 $\pm$ 0.017 χ^2 /NDF: 656850.1/22

+ sign 98.378 $\pm$ 0.011 χ^2 /NDF: 3039703.6/56

All: 98.144 $\pm$ 0.008 χ^2 /NDF: 7328987.1/116

- sign 97.910 $\pm$ 0.011 χ^2 /NDF: 4288430.1/59

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug



Right In: -583.955 $\pm$ 209.162 χ^2 /NDF: 50.2/31

Left Out: -738.352 $\pm$ 156.311 χ^2 /NDF: 49.7/24

Right Out: -1102.768 $\pm$ 199.101 χ^2 /NDF: 80.0/36

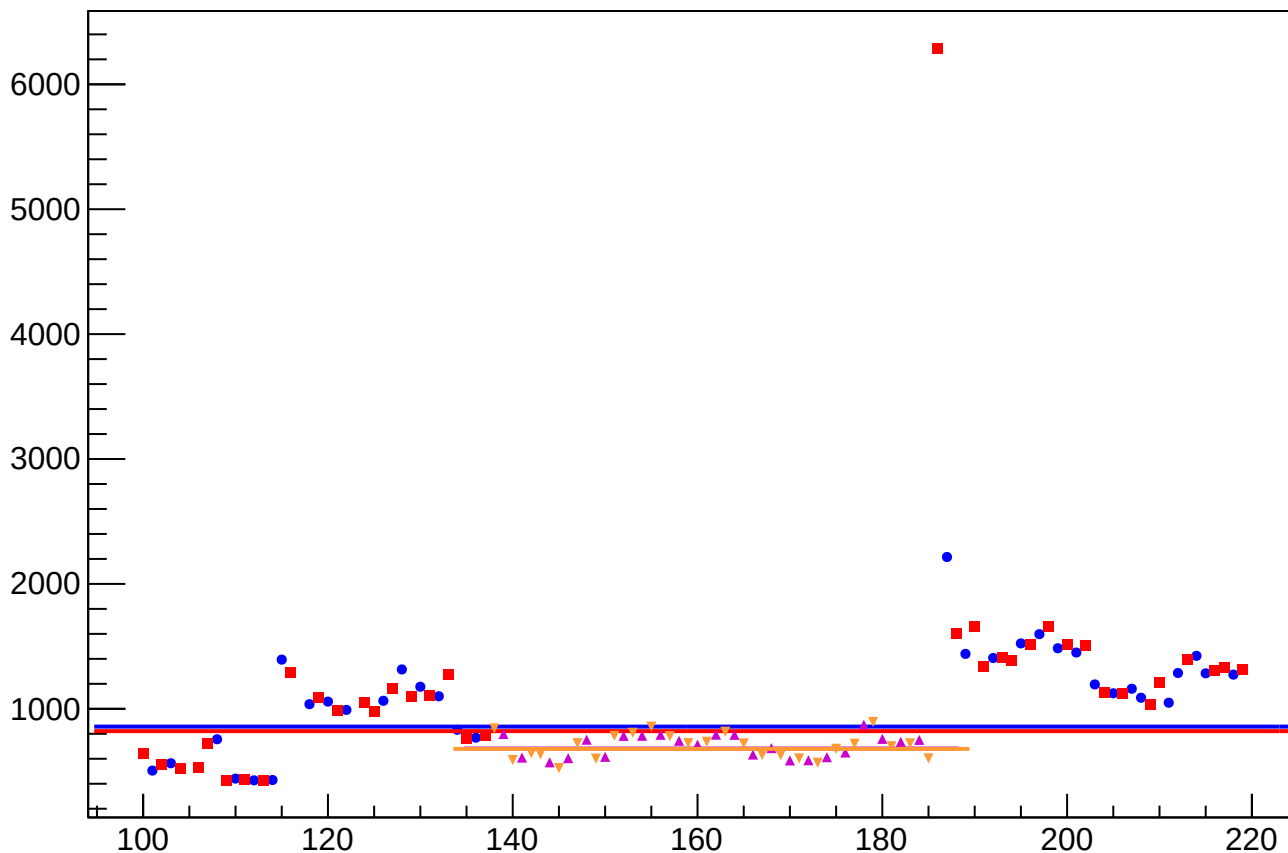
Left In: -115.639 $\pm$ 160.990 χ^2 /NDF: 23.7/22

+ sign -683.023 $\pm$ 125.210 χ^2 /NDF: 100.2/56

All: -594.438 $\pm$ 88.528 χ^2 /NDF: 219.8/116

- sign -505.886 $\pm$ 125.186 χ^2 /NDF: 118.6/59

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 857.382 $\pm$ 0.148 χ^2 /NDF: 6524871.3/31

Left Out: 679.146 $\pm$ 0.111 χ^2 /NDF: 737418.6/24

Right Out: 821.120 $\pm$ 0.141 χ^2 /NDF: 8687552.9/36

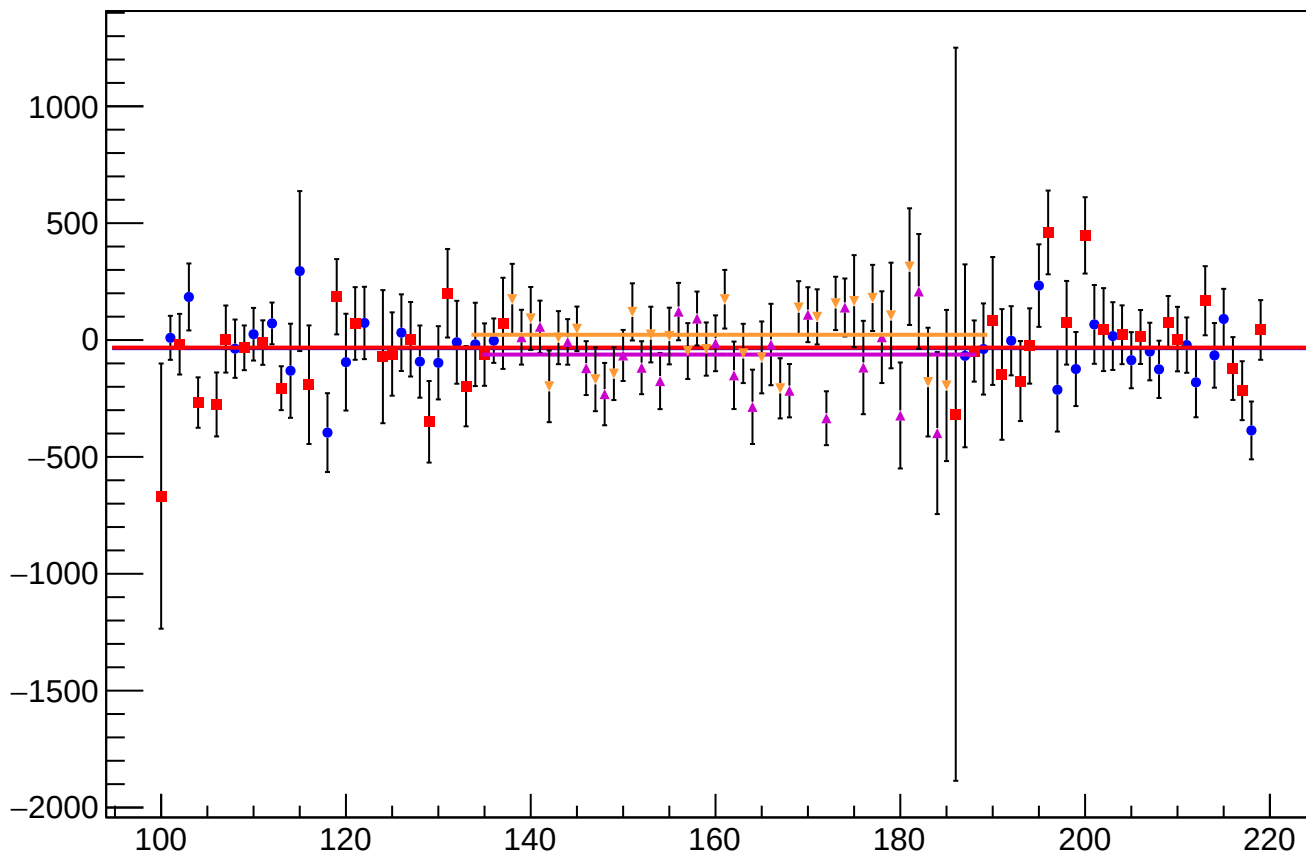
Left In: 681.893 $\pm$ 0.114 χ^2 /NDF: 573813.6/22

+ sign 743.018 $\pm$ 0.089 χ^2 /NDF: 8194149.4/56

All: 739.975 $\pm$ 0.063 χ^2 /NDF: 18049221.3/11

- sign 736.934 $\pm$ 0.089 χ^2 /NDF: 9852711.0/59

dit_asym_sam_1548_avg_mean vs Slug



Right In: -34.736 ± 24.861 χ^2/NDF : 26.1/31

Left Out: 22.542 ± 26.643 χ^2/NDF : 21.6/24

Right Out: -32.365 ± 24.088 χ^2/NDF : 45.5/36

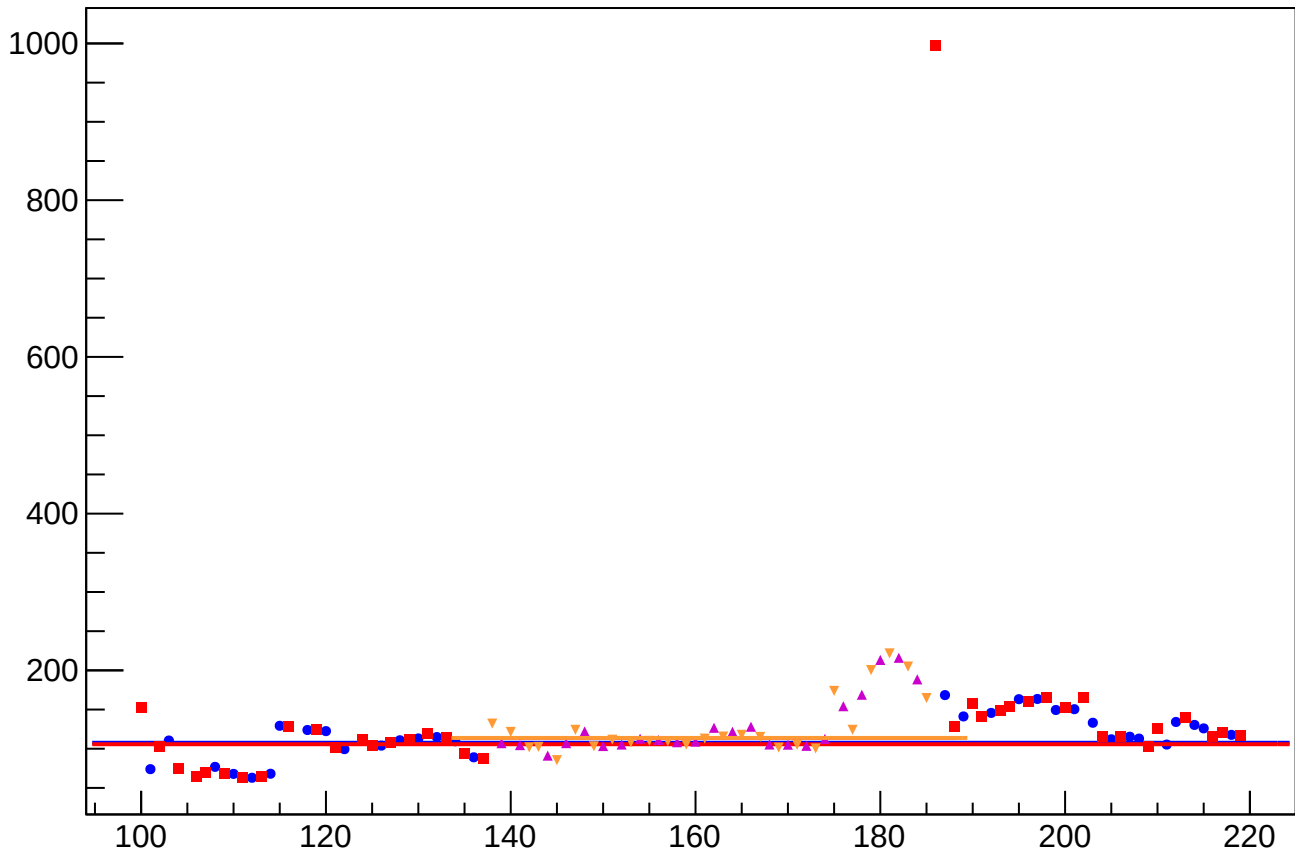
Left In: -62.169 ± 27.339 χ^2/NDF : 27.3/22

+ sign -8.076 ± 18.177 χ^2/NDF : 50.2/56

All: -26.840 ± 12.816 χ^2/NDF : 125.8/116

- sign -45.390 ± 18.073 χ^2/NDF : 73.5/59

dit_asym_sam_1548_avg_rms vs Slug



Right In: 107.596 $\pm$ 0.018 χ^2 /NDF: 2481393.2/31

Left Out: 113.766 $\pm$ 0.019 χ^2 /NDF:1579920.3/24

Right Out: 105.740 $\pm$ 0.017 χ^2 /NDF: 3821603.0/36

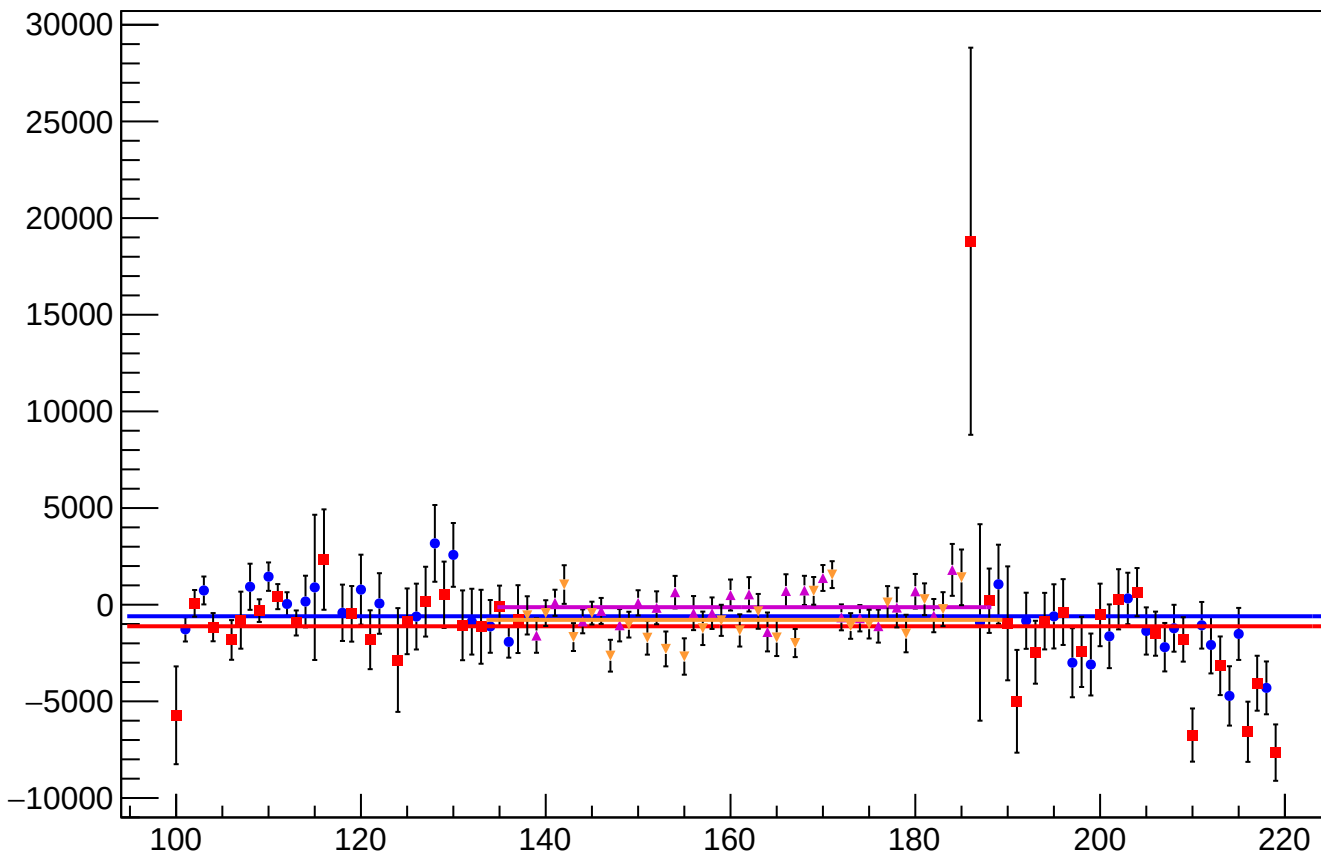
Left In: 113.677 $\pm$ 0.019 χ^2 /NDF:1316044.6/22

+ sign 110.468 $\pm$ 0.013 χ^2 /NDF: 4118649.6/56

All: 109.835 $\pm$ 0.009 χ^2 /NDF: 9356024.5/116

- sign 109.208 $\pm$ 0.013 χ^2 /NDF: 5232547.2/59

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -598.085 ± 211.960 χ^2/NDF : 50.7/31

Left Out: -784.286 ± 160.482 χ^2/NDF : 45.4/24

Right Out: -1116.177 ± 201.581 χ^2/NDF : 86.1/36

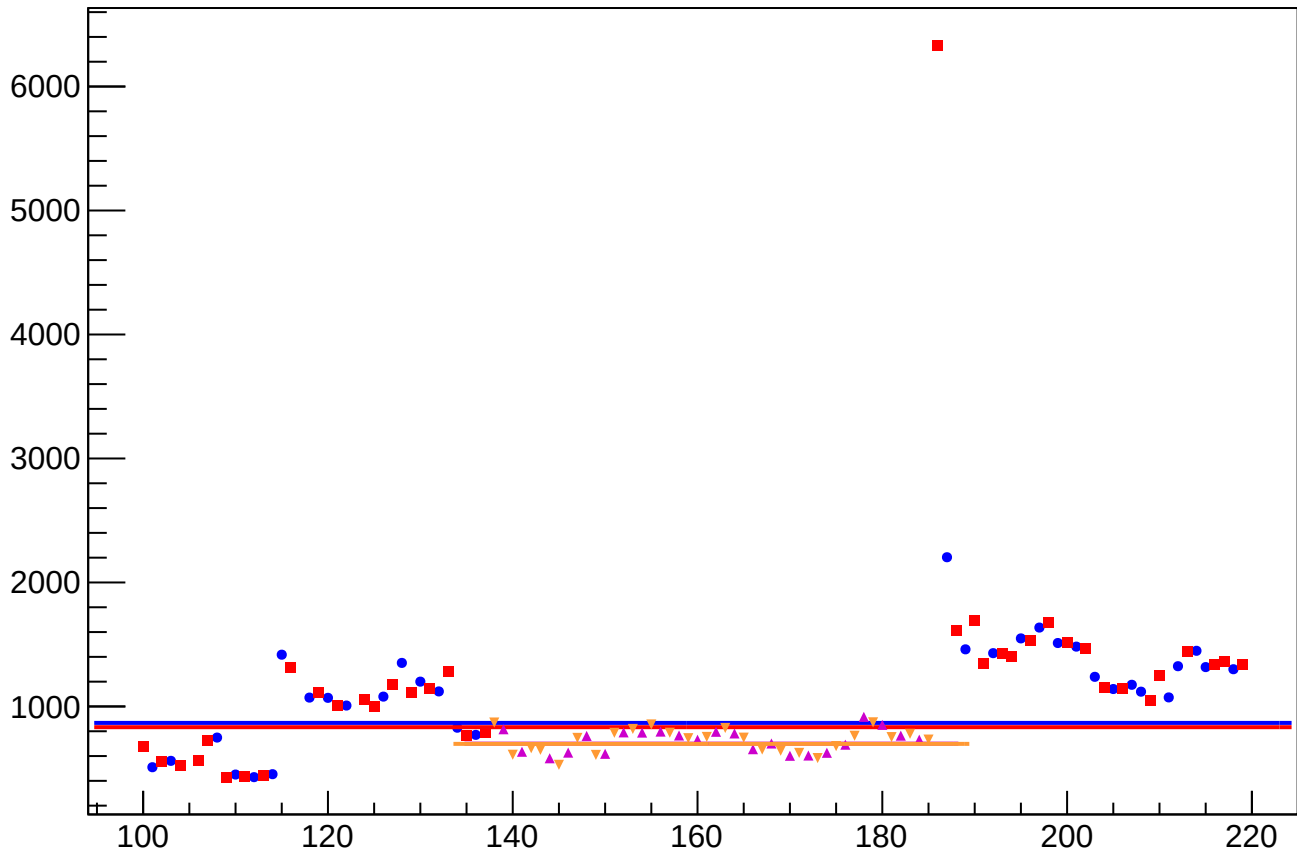
Left In: -128.155 ± 165.255 χ^2/NDF : 22.7/22

+ sign -716.440 ± 127.946 χ^2/NDF : 96.6/56

All: -620.749 ± 90.420 χ^2/NDF : 220.9/116

- sign -525.278 ± 127.799 χ^2/NDF : 123.2/59

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 867.357 $\pm$ 0.150 χ^2 /NDF: 6664265.9/31

Left Out: 698.237 $\pm$ 0.113 χ^2 /NDF: 714686.8/24

Right Out: 832.752 $\pm$ 0.143 χ^2 /NDF: 8683270.9/36

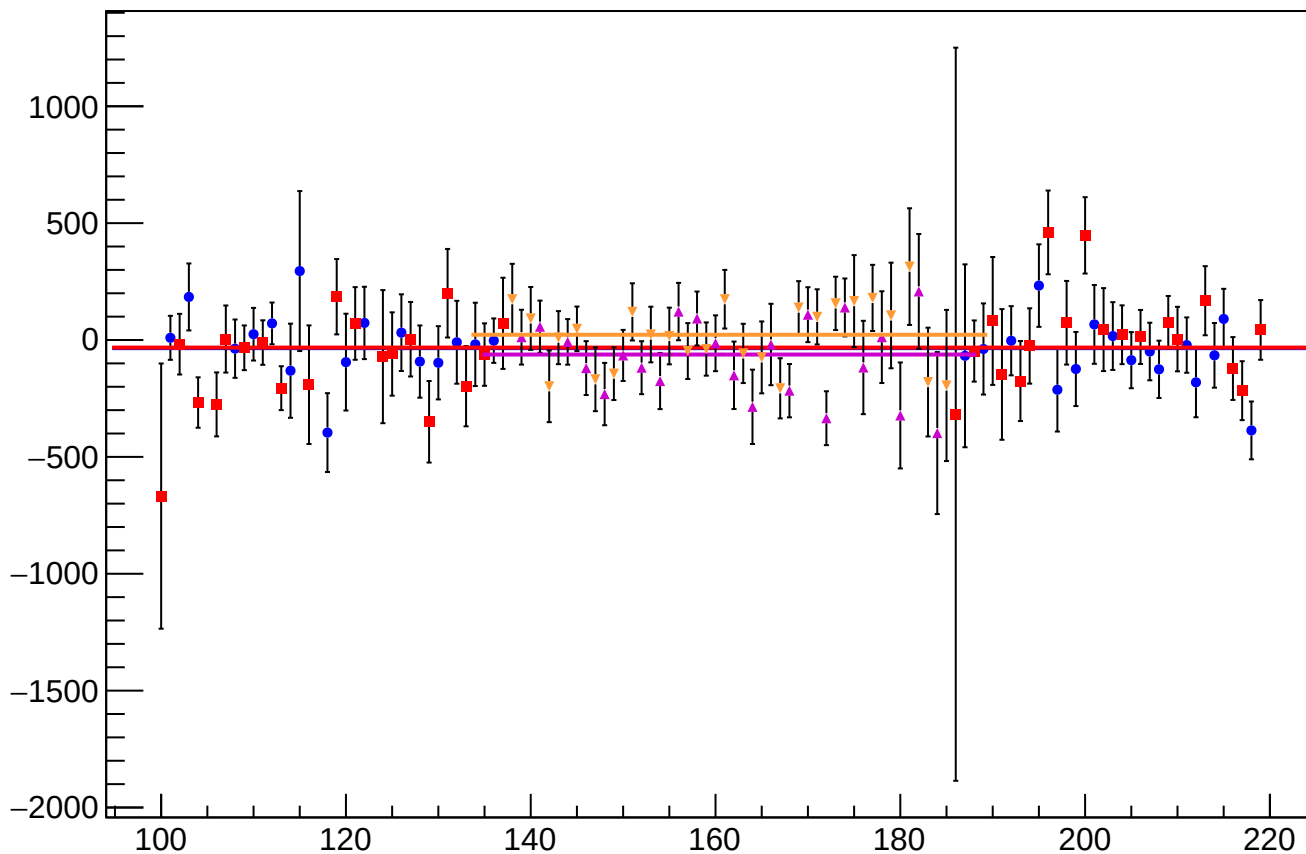
Left In: 700.079 $\pm$ 0.117 χ^2 /NDF: 584318.7/22

+ sign 759.860 $\pm$ 0.090 χ^2 /NDF: 8188255.1/56

All: 756.629 $\pm$ 0.064 χ^2 /NDF: 17976530.0/1

- sign 753.406 $\pm$ 0.090 χ^2 /NDF: 9785727.5/59

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -34.734 ± 24.861 χ^2/NDF : 26.1/31

Left Out: 22.544 ± 26.643 χ^2/NDF : 21.6/24

Right Out: -32.362 ± 24.088 χ^2/NDF : 45.5/36

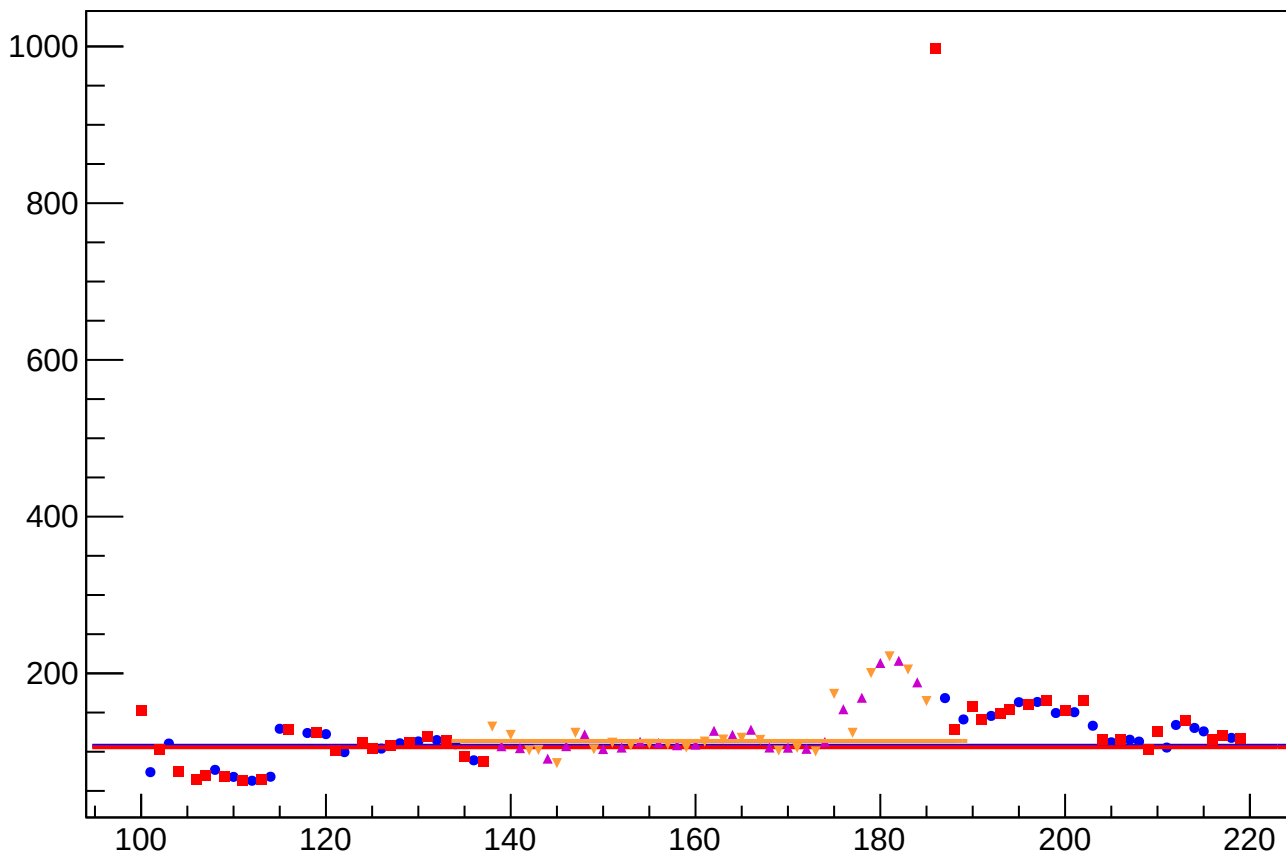
Left In: -62.169 ± 27.339 χ^2/NDF : 27.3/22

+ sign -8.074 ± 18.177 χ^2/NDF : 50.2/56

All: -26.838 ± 12.816 χ^2/NDF : 125.8/116

- sign -45.389 ± 18.073 χ^2/NDF : 73.5/59

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 107.596 $\pm$ 0.018 χ^2 /NDF: 2481372.4/31

Left Out: 113.766 $\pm$ 0.019 χ^2 /NDF:1579910.8/24

Right Out: 105.740 $\pm$ 0.017 χ^2 /NDF: 3821599.0/36

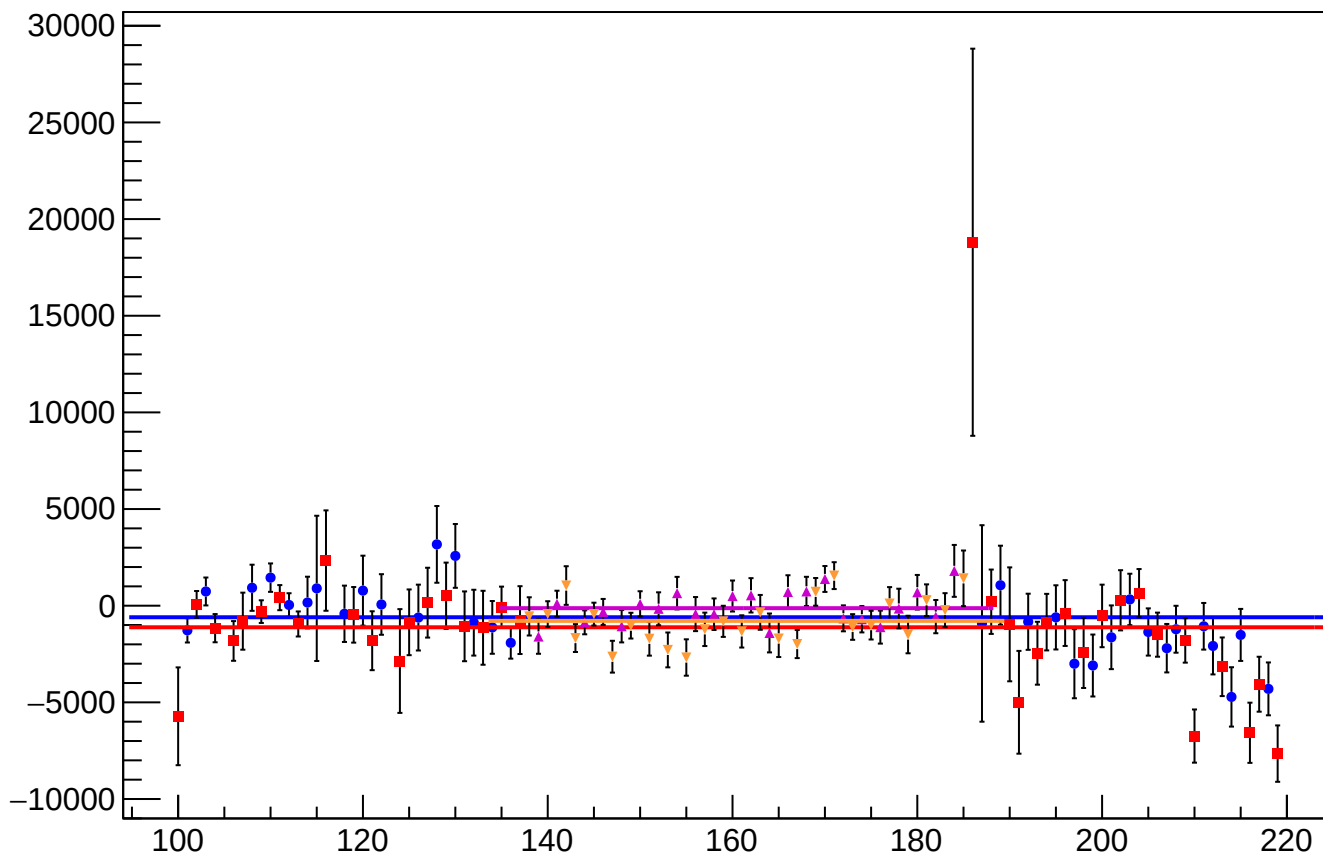
Left In: 113.677 $\pm$ 0.019 χ^2 /NDF:1316023.5/22

+ sign 110.468 $\pm$ 0.013 χ^2 /NDF: 4118623.4/56

All: 109.835 $\pm$ 0.009 χ^2 /NDF: 9355979.5/116

- sign 109.208 $\pm$ 0.013 χ^2 /NDF: 5232528.4/59

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug



Right In: -598.085+/-211.960 χ^2/NDF : 50.7/31

Left Out: -784.284+/-160.482 χ^2/NDF : 45.4/24

Right Out: -1116.175+/-201.580 χ^2/NDF : 86.1/36

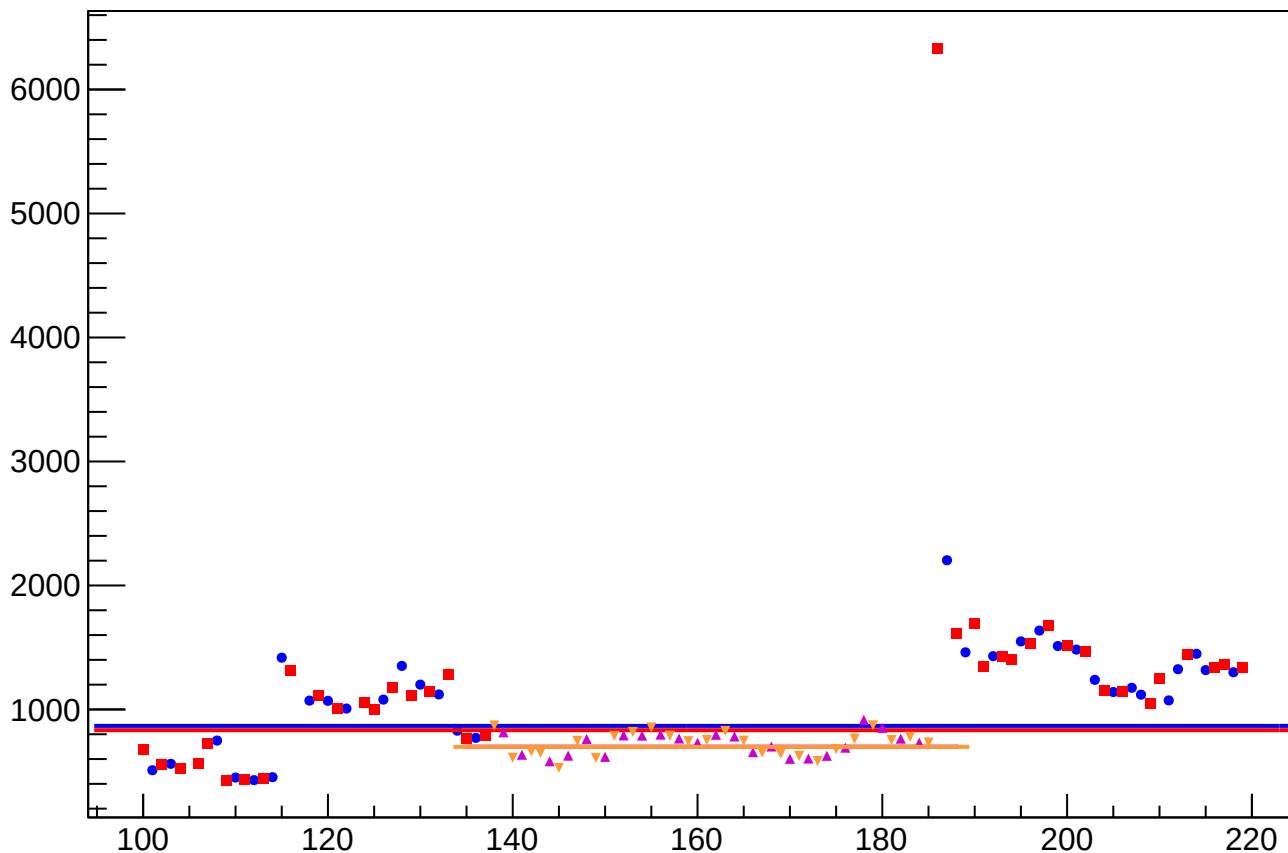
Left In: -128.154+/-165.255 χ^2/NDF : 22.7/22

+ sign -716.438+/-127.946 χ^2/NDF : 96.6/56

All: -620.748+/-90.420 χ^2/NDF : 220.9/116

- sign -525.277+/-127.799 χ^2/NDF : 123.2/59

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 867.356 $\pm$ 0.150 χ^2 /NDF: 6664265.9/31

Left Out: 698.236 $\pm$ 0.113 χ^2 /NDF: 714685.1/24

Right Out: 832.752 $\pm$ 0.143 χ^2 /NDF: 8683265.5/36

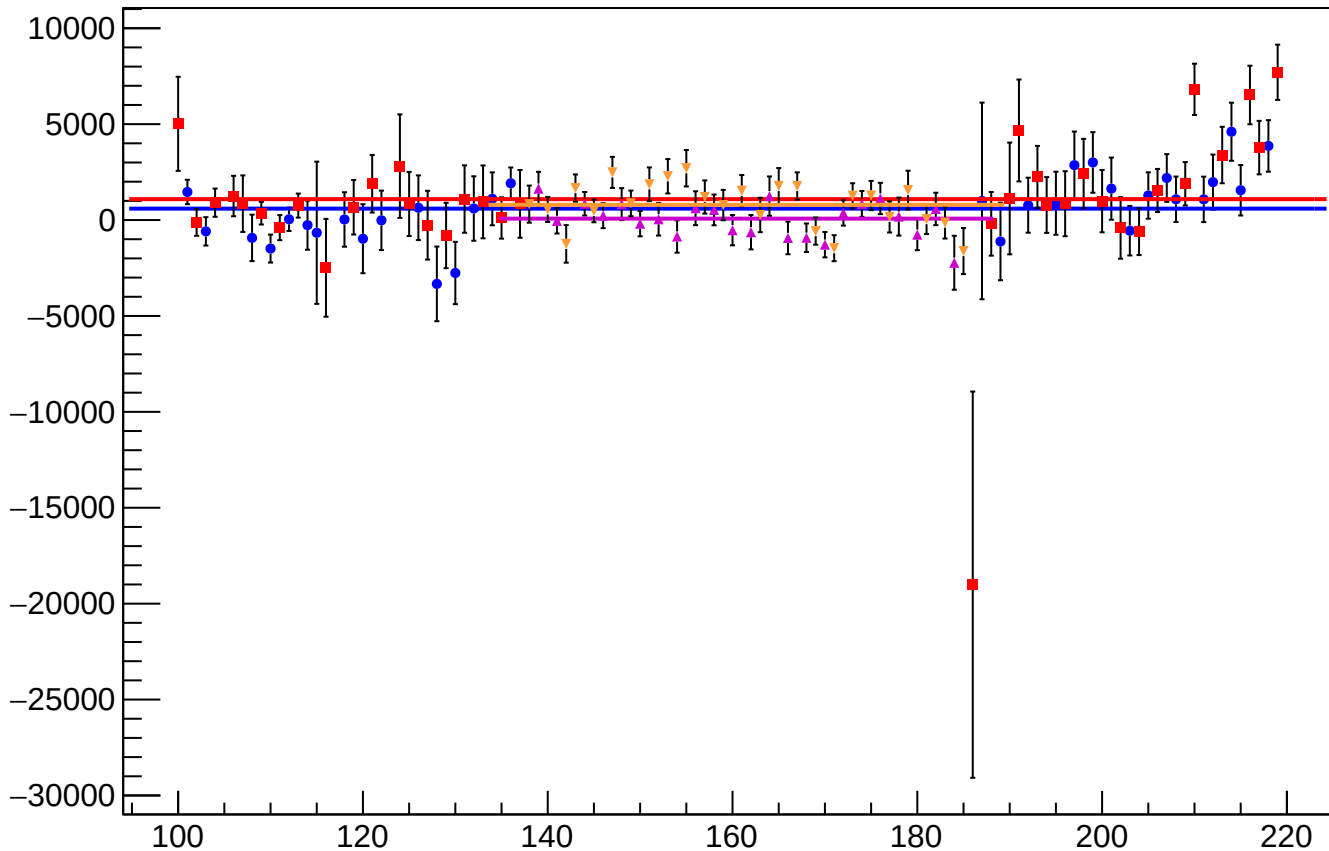
Left In: 700.079 $\pm$ 0.117 χ^2 /NDF: 584314.1/22

+ sign 759.859 $\pm$ 0.090 χ^2 /NDF: 8188253.2/56

All: 756.628 $\pm$ 0.064 χ^2 /NDF: 17976516.8/1

- sign 753.405 $\pm$ 0.090 χ^2 /NDF: 9785716.3/59

asym_sam_1548_avg_mean vs Slug



Right In: 594.660 $\pm$ 210.953 χ^2 /NDF: 50.4/31

Left Out: 796.905 $\pm$ 158.142 χ^2 /NDF: 46.4/24

Right Out: 1089.444 $\pm$ 200.780 χ^2 /NDF: 87.4/36

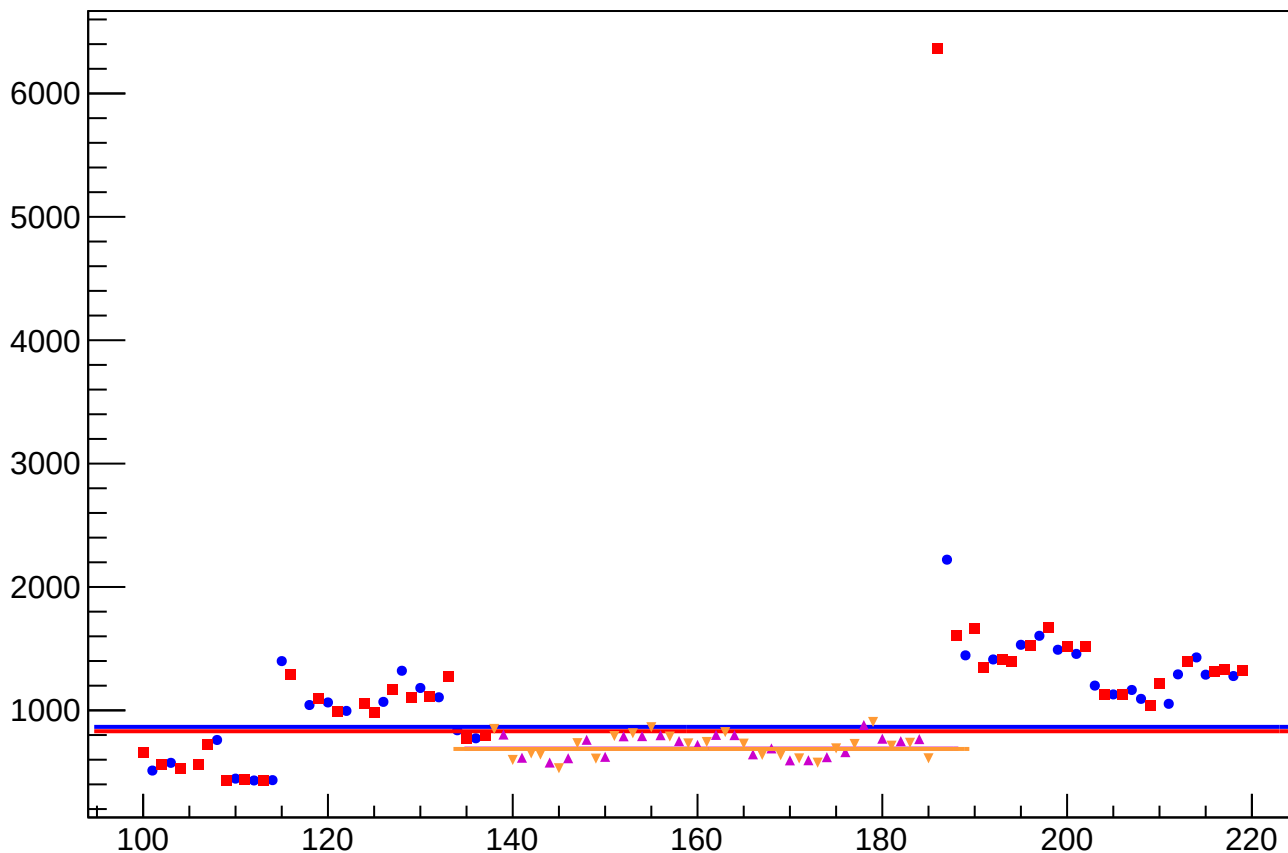
Left In: 73.501 $\pm$ 162.879 χ^2 /NDF: 24.9/22

+ sign 724.140 $\pm$ 126.534 χ^2 /NDF: 97.4/56

All: 600.392 $\pm$ 89.458 χ^2 /NDF: 227.0/116

- sign 476.728 $\pm$ 126.491 χ^2 /NDF: 127.7/59

asym_sam_1548_avg_rms vs Slug



Right In: 866.094 $\pm$ 0.149 χ^2 /NDF: 6413027.8/31

Left Out: 687.243 $\pm$ 0.112 χ^2 /NDF: 727994.0/24

Right Out: 830.605 $\pm$ 0.142 χ^2 /NDF: 8540808.5/36

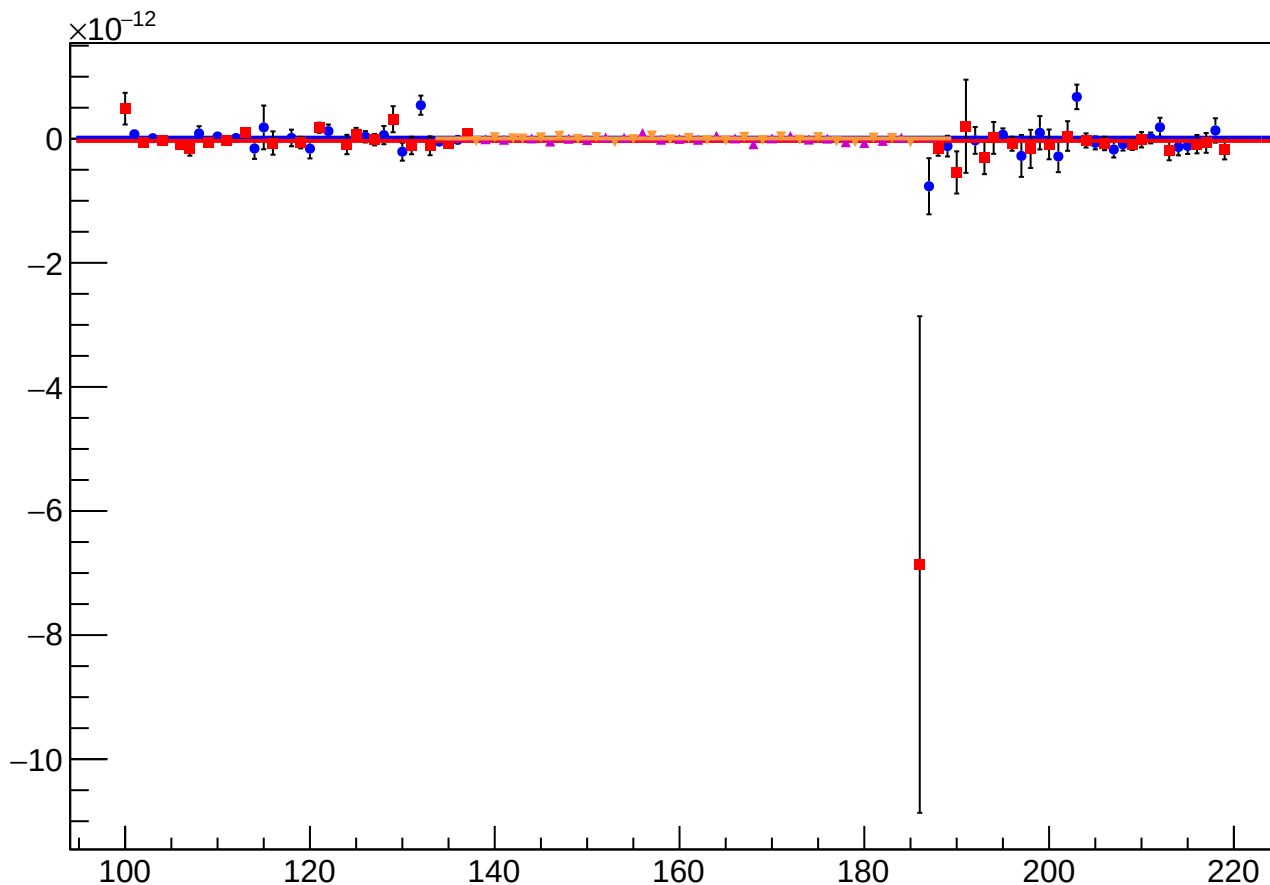
Left In: 689.997 $\pm$ 0.115 χ^2 /NDF: 567089.0/22

+ sign 751.592 $\pm$ 0.089 χ^2 /NDF: 8061403.2/56

All: 748.697 $\pm$ 0.063 χ^2 /NDF: 17762956.2/11

- sign 745.804 $\pm$ 0.089 χ^2 /NDF: 9699460.5/59

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 48.8/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:22.0/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.7/36

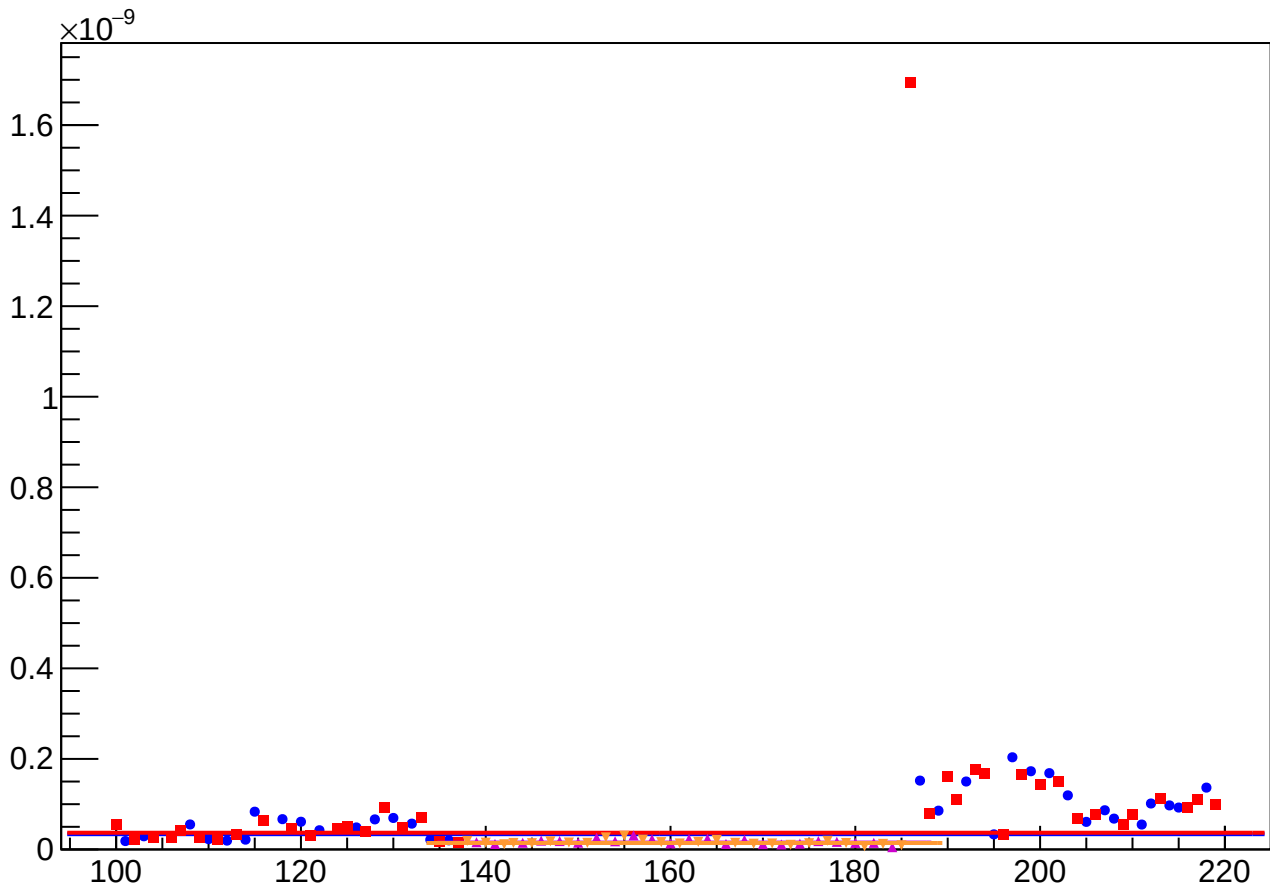
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:26.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 71.4/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 142.5/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 66.4/59

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7448051.5/31

Left Out: 0.000+/-0.000 χ^2/NDF : 992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6944469.4/36

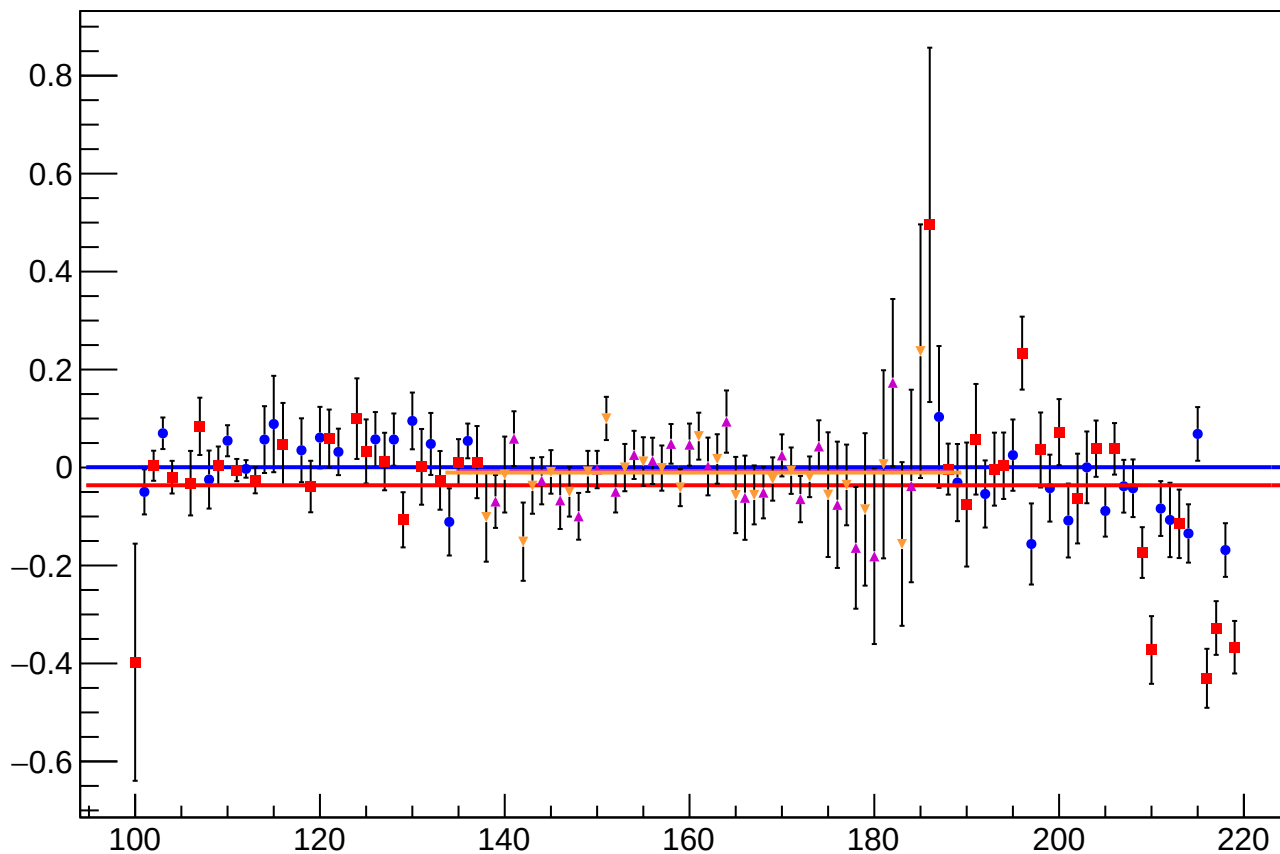
Left In: 0.000+/-0.000 χ^2/NDF : 1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 11773553.2/56

All: 0.000+/-0.000 χ^2/NDF : 23545233.0/116

- sign 0.000+/-0.000 χ^2/NDF : 11715669.8/59

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 54.3/31

Left Out: -0.010 ± 0.011 χ^2/NDF : 18.1/24

Right Out: -0.036 ± 0.009 χ^2/NDF : 188.0/36

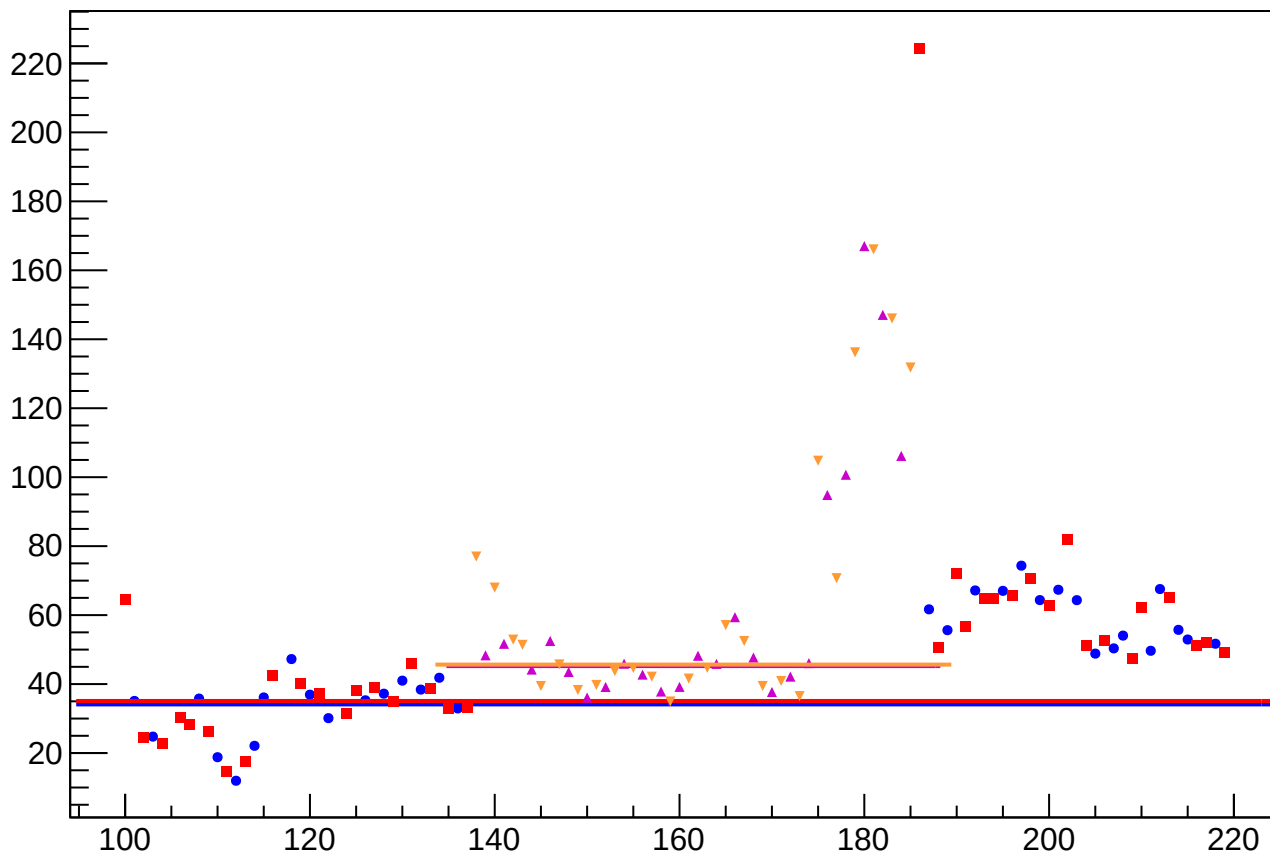
Left In: -0.008 ± 0.011 χ^2/NDF : 23.3/22

+ sign -0.003 ± 0.007 χ^2/NDF : 73.0/56

All: -0.015 ± 0.005 χ^2/NDF : 293.5/116

- sign -0.026 ± 0.007 χ^2/NDF : 215.3/59

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.108+/-0.006 χ^2/NDF : 8449142.5/31

Left Out: 45.650+/-0.008 χ^2/NDF : 4015230.2/24

Right Out: 35.104+/-0.006 χ^2/NDF : 8232371.5/36

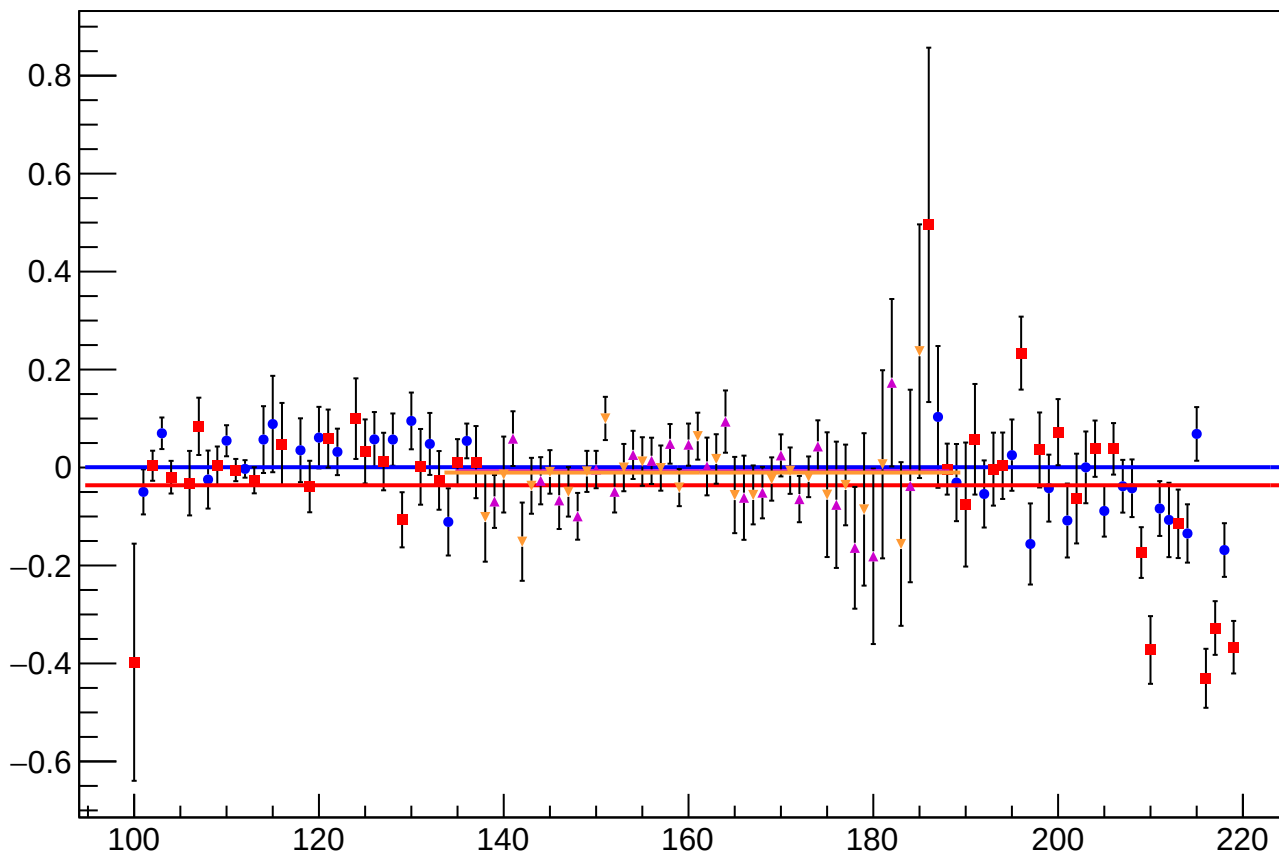
Left In: 45.217+/-0.008 χ^2/NDF : 2992534.4/22

+ sign 38.439+/-0.005 χ^2/NDF : 13773822.2/56

All: 38.617+/-0.003 χ^2/NDF : 25998104.3/116

- sign 38.795+/-0.005 χ^2/NDF : 12221623.8/59

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 54.3/31

Left Out: -0.010 ± 0.011 χ^2/NDF : 18.1/24

Right Out: -0.036 ± 0.009 χ^2/NDF : 188.0/36

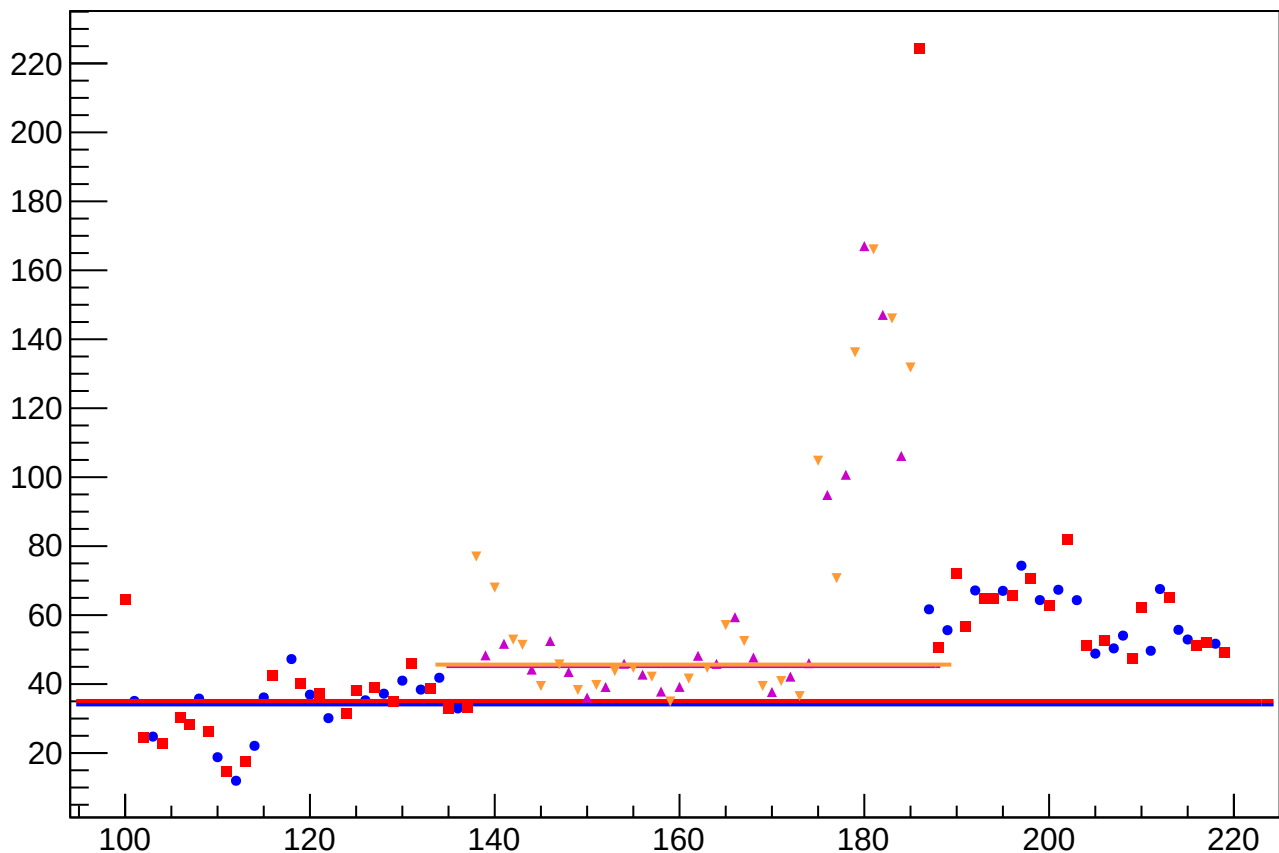
Left In: -0.008 ± 0.011 χ^2/NDF : 23.3/22

+ sign -0.003 ± 0.007 χ^2/NDF : 73.0/56

All: -0.015 ± 0.005 χ^2/NDF : 293.5/116

- sign -0.026 ± 0.007 χ^2/NDF : 215.3/59

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.108+/-0.006 χ^2/NDF : 8449142.5/31

Left Out: 45.650+/-0.008 χ^2/NDF : 4015230.2/24

Right Out: 35.104+/-0.006 χ^2/NDF : 8232371.5/36

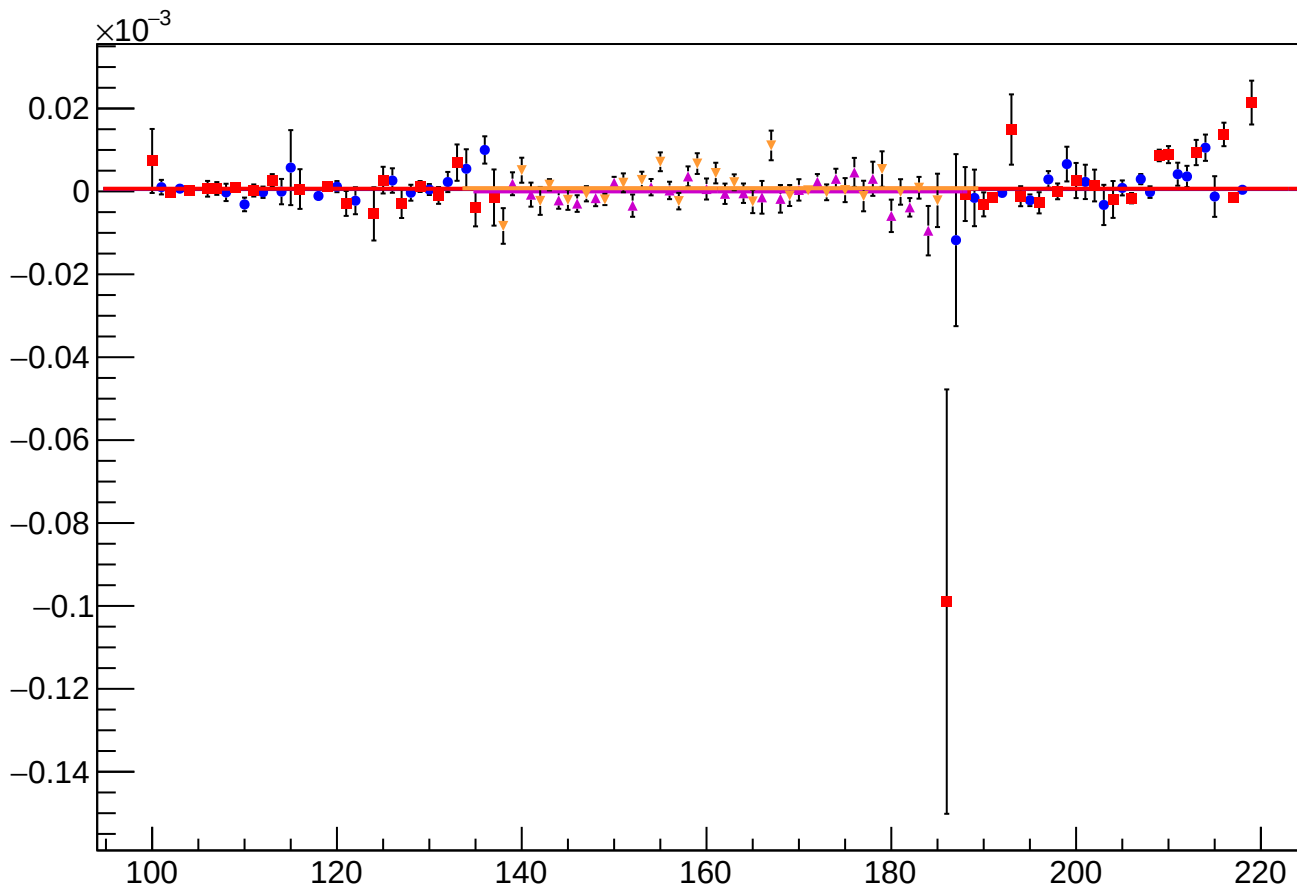
Left In: 45.217+/-0.008 χ^2/NDF : 2992534.4/22

+ sign 38.439+/-0.005 χ^2/NDF : 13773822.2/56

All: 38.617+/-0.003 χ^2/NDF : 25998104.3/116

- sign 38.795+/-0.005 χ^2/NDF : 12221623.8/59

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 46.1/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:46.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 131.5/36

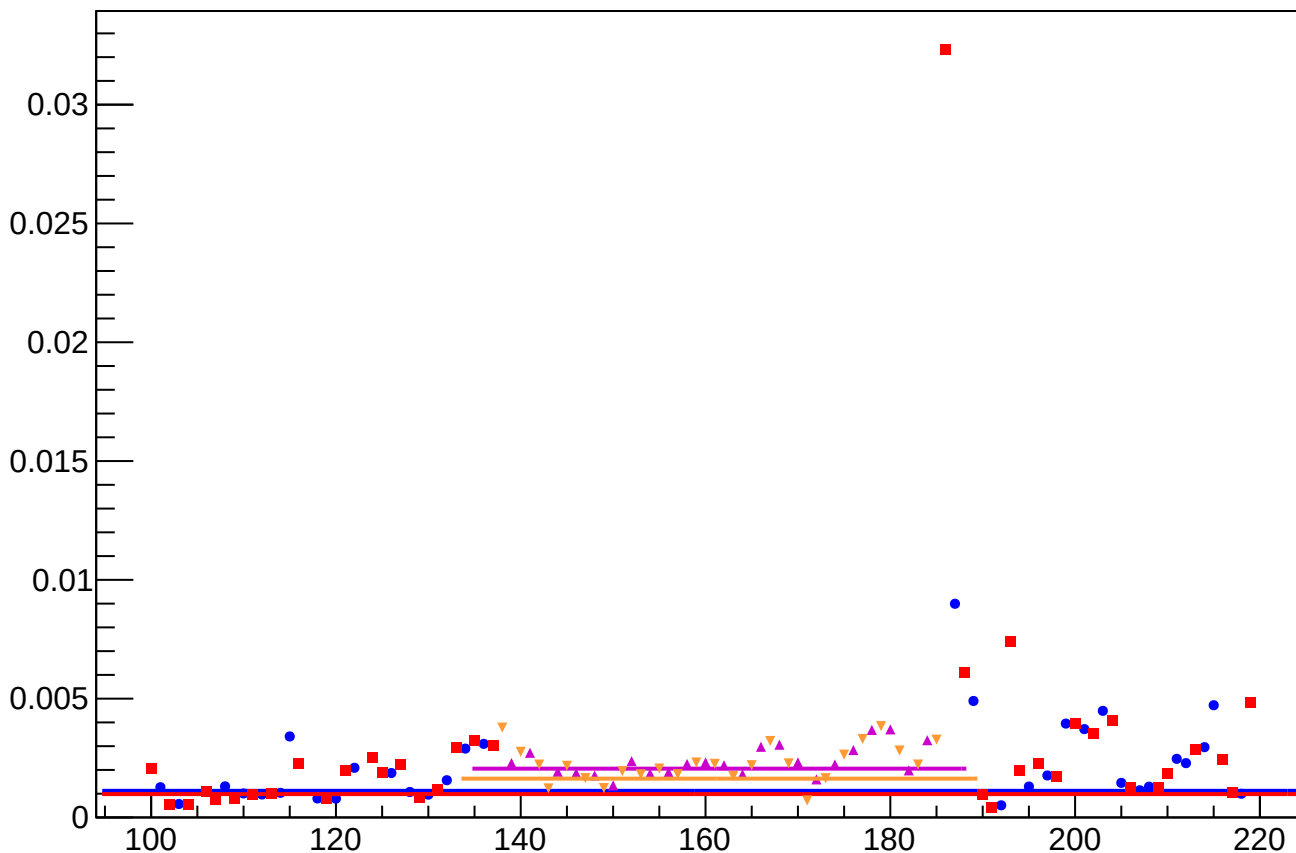
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:24.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 92.4/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 249.8/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 157.2/59

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 10241998.3/31

Left Out: 0.002+/-0.000 χ^2/NDF : 6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF : 14856527.4/36

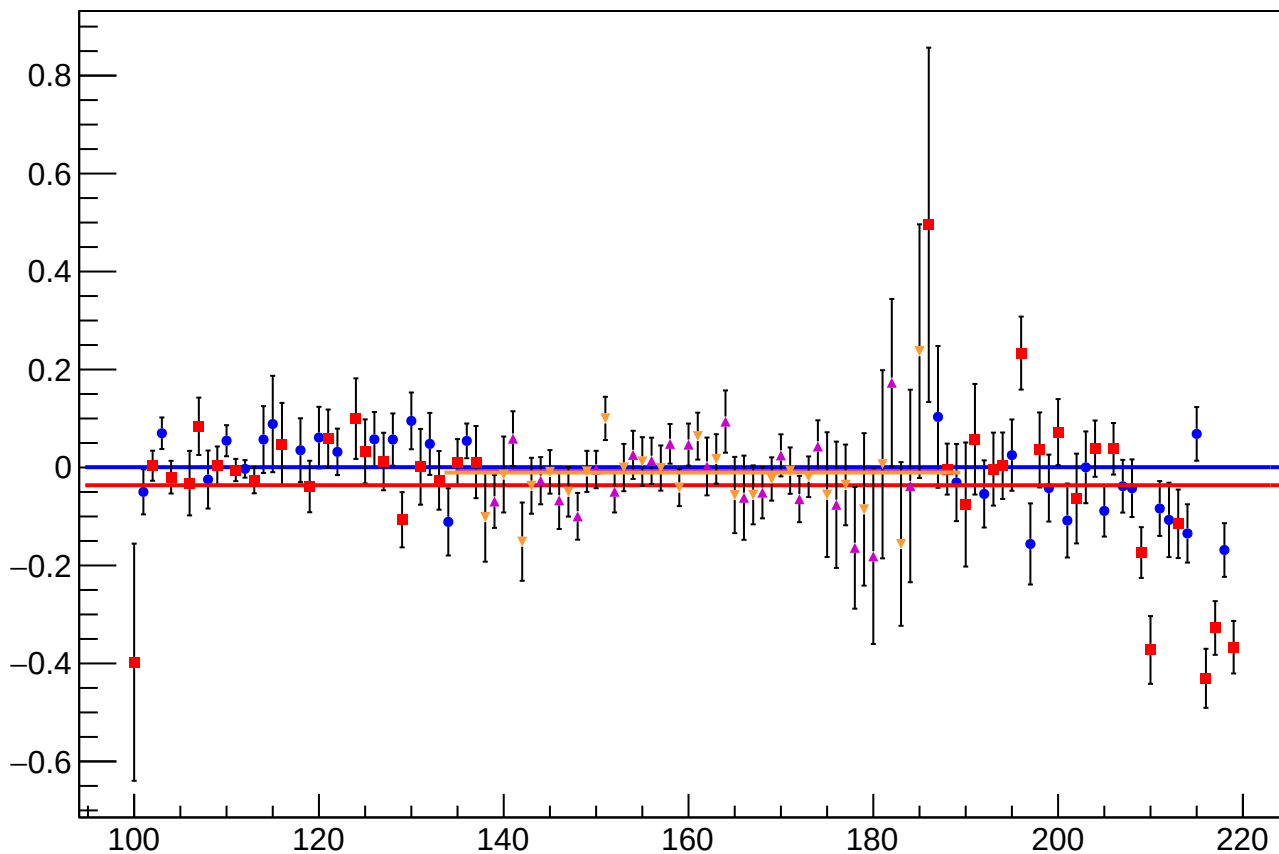
Left In: 0.002+/-0.000 χ^2/NDF : 2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 18740879.2/56

All: 0.001+/-0.000 χ^2/NDF : 42859013.0/116

- sign 0.001+/-0.000 χ^2/NDF : 24017171.1/59

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 54.3/31

Left Out: -0.010 ± 0.011 χ^2/NDF : 18.1/24

Right Out: -0.036 ± 0.009 χ^2/NDF : 188.0/36

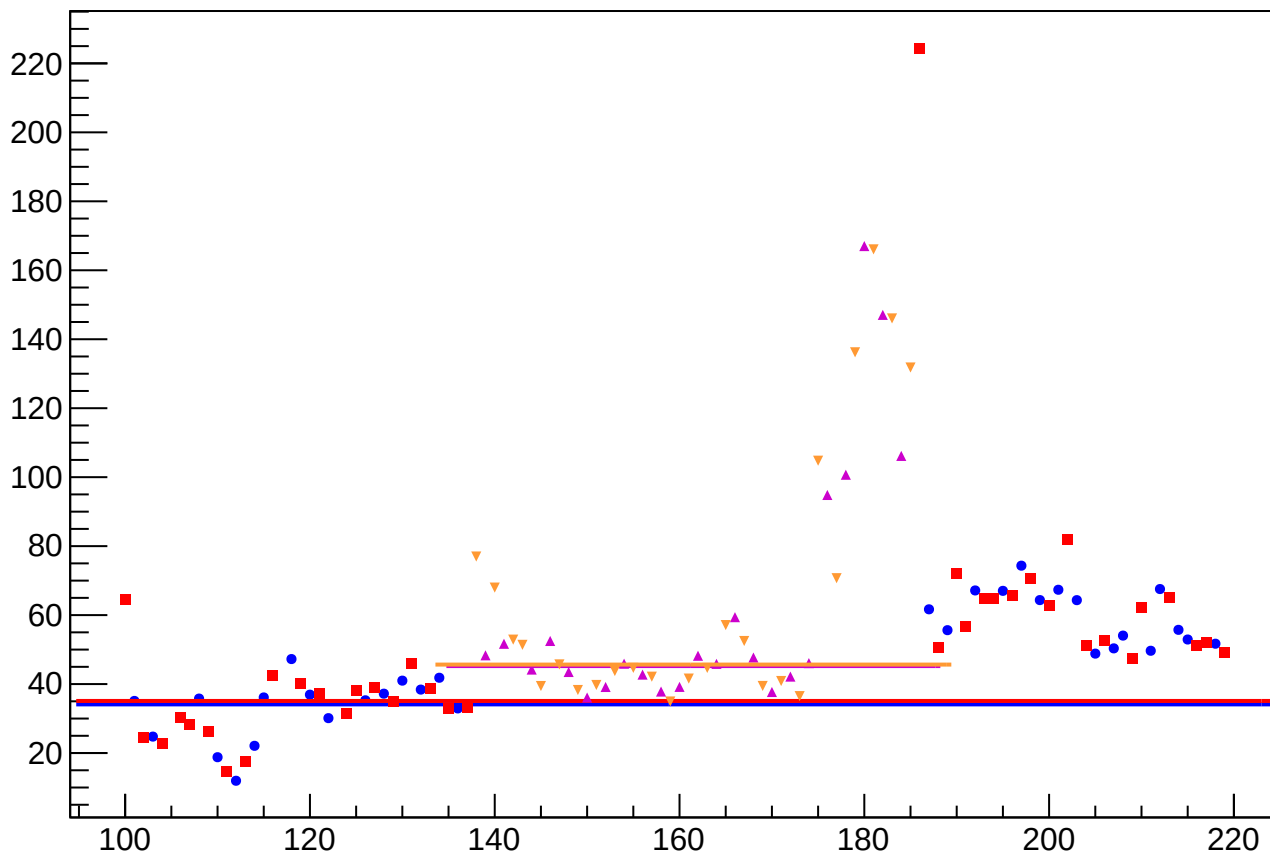
Left In: -0.008 ± 0.011 χ^2/NDF : 23.3/22

+ sign -0.003 ± 0.007 χ^2/NDF : 73.0/56

All: -0.015 ± 0.005 χ^2/NDF : 293.5/116

- sign -0.026 ± 0.007 χ^2/NDF : 215.3/59

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.107+/-0.006 χ^2/NDF : 8449446.0/31

Left Out: 45.651+/-0.008 χ^2/NDF : 4015154.4/24

Right Out: 35.104+/-0.006 χ^2/NDF : 8232613.8/36

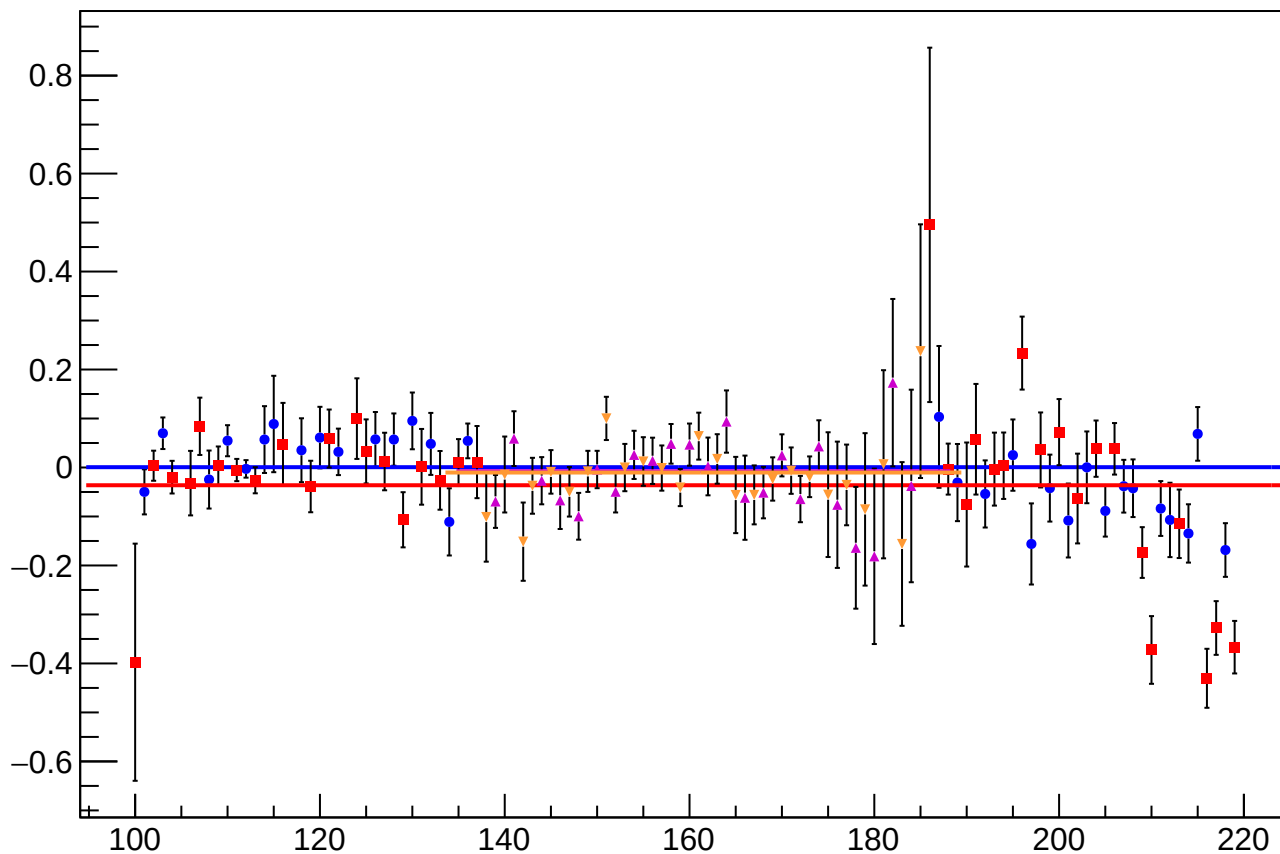
Left In: 45.218+/-0.008 χ^2/NDF : 2992449.1/22

+ sign 38.439+/-0.005 χ^2/NDF : 13774279.0/56

All: 38.617+/-0.003 χ^2/NDF : 25998892.7/116

- sign 38.795+/-0.005 χ^2/NDF : 12221953.3/59

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 54.3/31

Left Out: -0.010 ± 0.011 χ^2/NDF : 18.1/24

Right Out: -0.036 ± 0.009 χ^2/NDF : 188.0/36

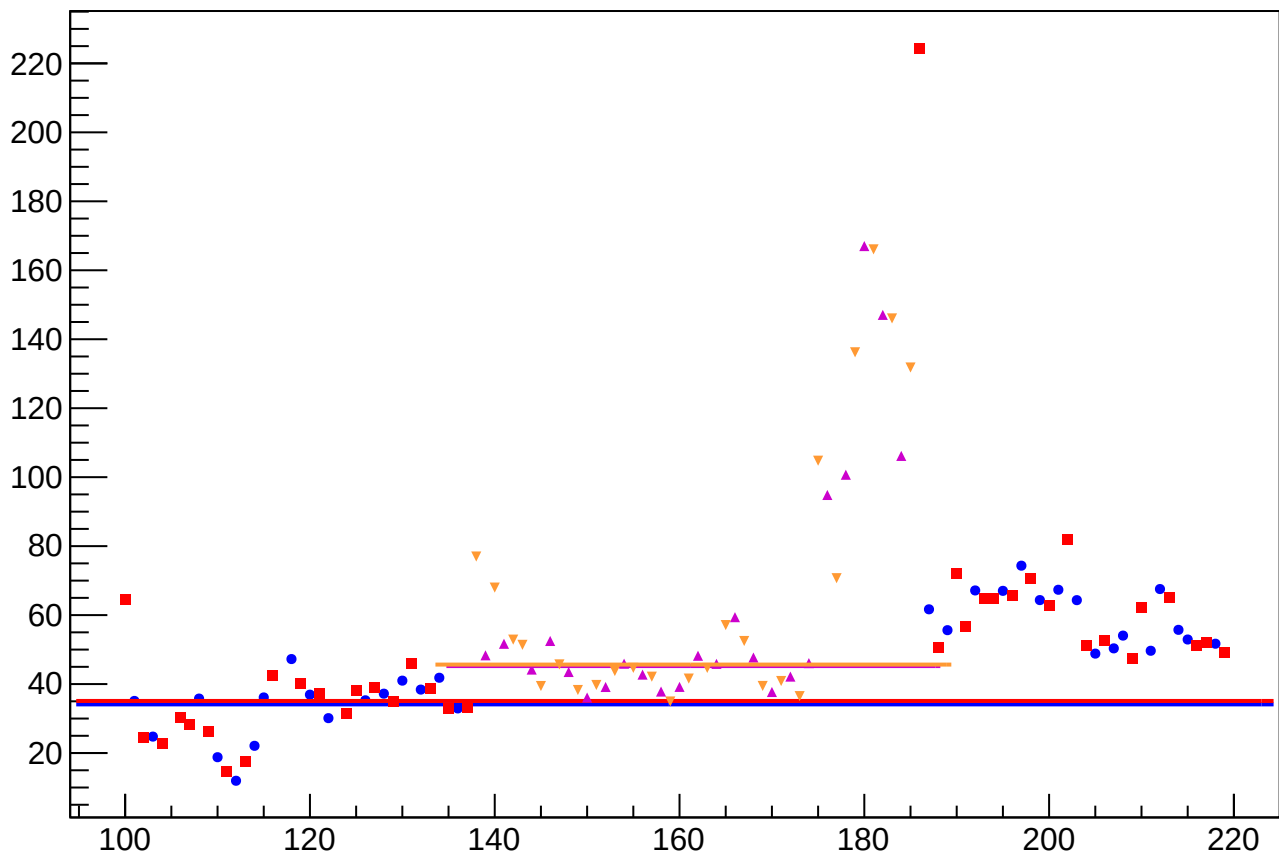
Left In: -0.008 ± 0.011 χ^2/NDF : 23.3/22

+ sign -0.003 ± 0.007 χ^2/NDF : 73.0/56

All: -0.015 ± 0.005 χ^2/NDF : 293.5/116

- sign -0.026 ± 0.007 χ^2/NDF : 215.3/59

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.107+/-0.006 χ^2/NDF : 8449446.0/31

Left Out: 45.651+/-0.008 χ^2/NDF : 4015154.4/24

Right Out: 35.104+/-0.006 χ^2/NDF : 8232613.8/36

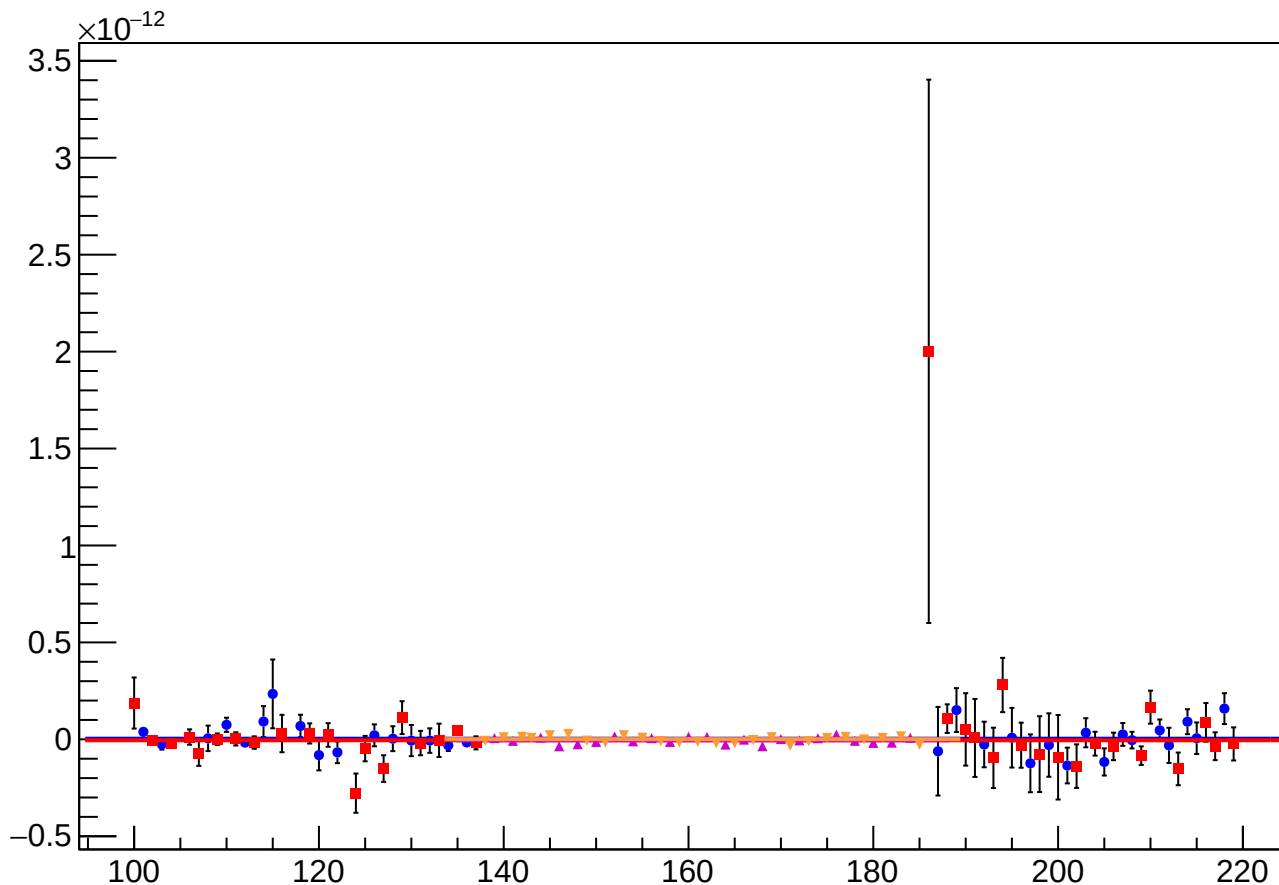
Left In: 45.218+/-0.008 χ^2/NDF : 2992449.1/22

+ sign 38.439+/-0.005 χ^2/NDF : 13774279.0/56

All: 38.617+/-0.003 χ^2/NDF : 25998892.7/116

- sign 38.795+/-0.005 χ^2/NDF : 12221953.3/59

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25.4/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.4/36

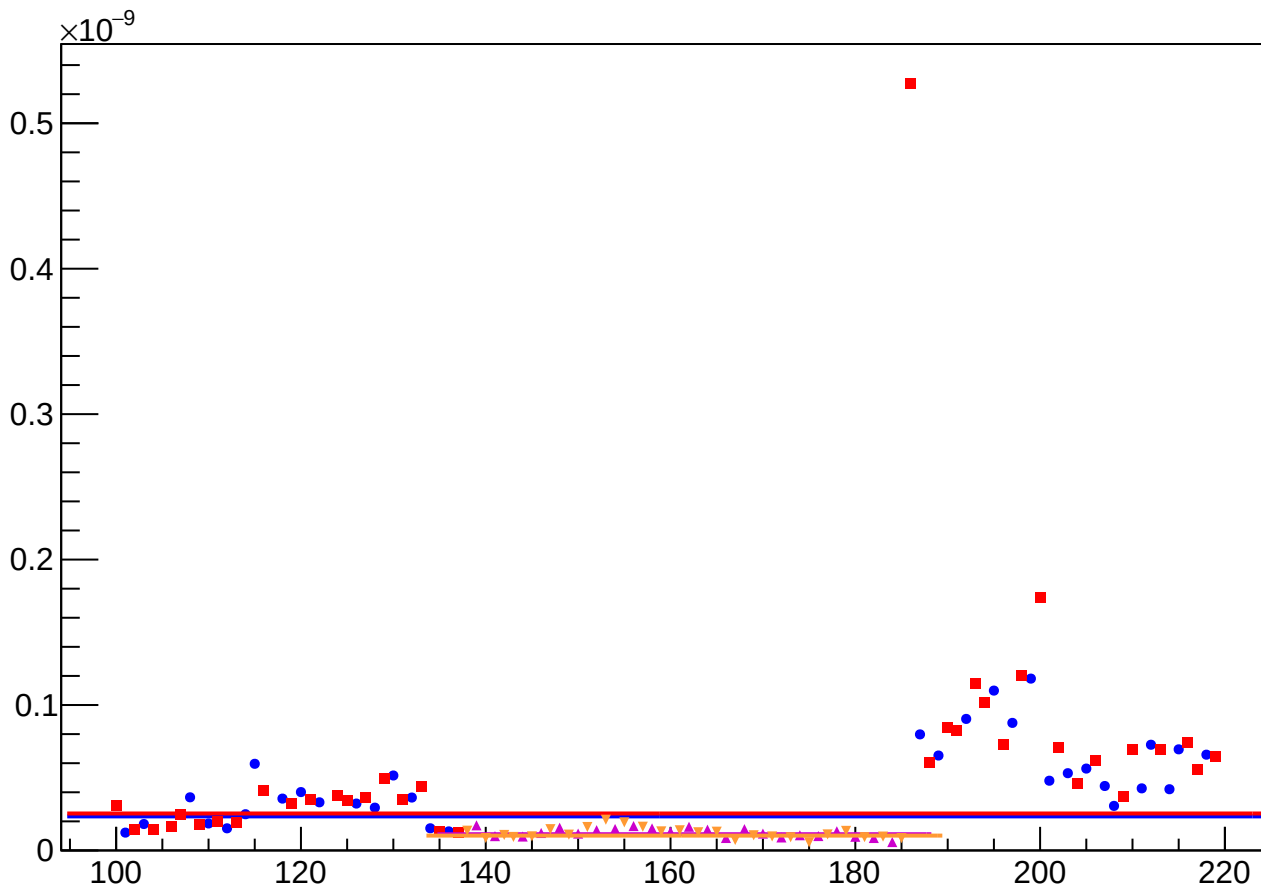
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:23.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 58.8/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 130.0/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 69.1/59

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8832695.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10174736.0/36

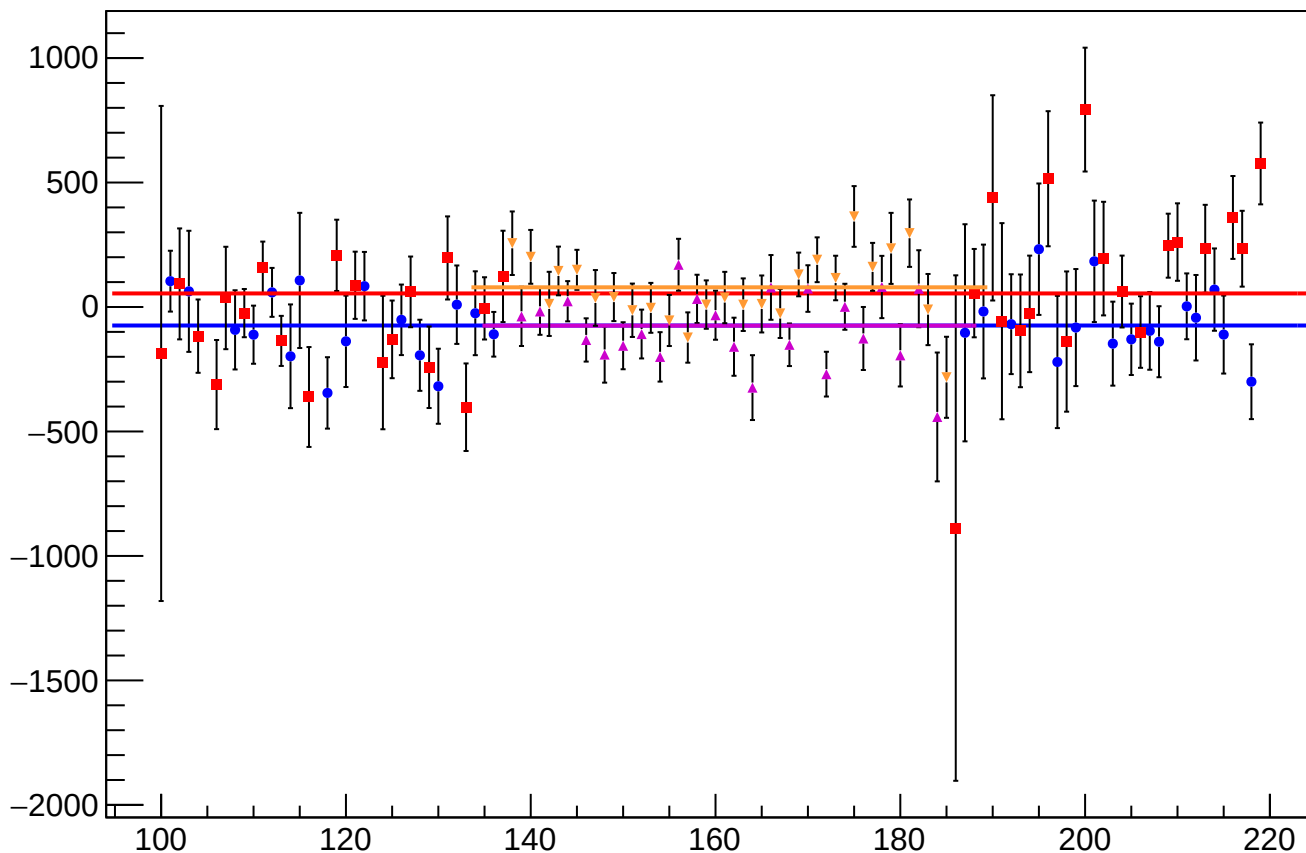
Left In: 0.000+/-0.000 χ^2/NDF : 1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 15986215.6/56

All: 0.000+/-0.000 χ^2/NDF : 32886374.8/116

- sign 0.000+/-0.000 χ^2/NDF : 16734677.6/59

reg_asym_sam_3748_avg_mean vs Slug



Right In: -74.364 $\pm$ 27.684 χ^2/NDF : 20.9/31

Left Out: 79.098 $\pm$ 21.102 χ^2/NDF : 32.0/24

Right Out: 54.486 $\pm$ 27.280 χ^2/NDF : 66.0/36

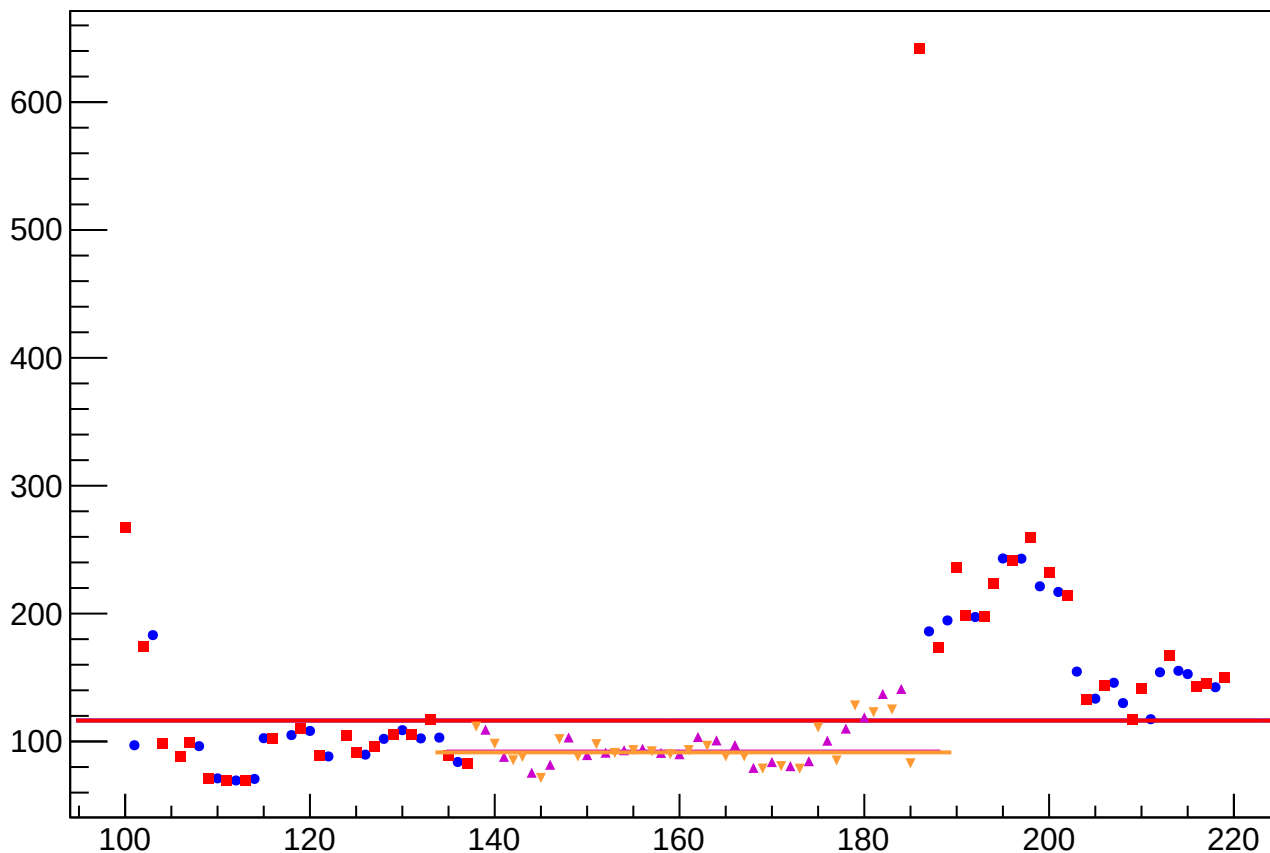
Left In: -75.048 $\pm$ 21.837 χ^2/NDF : 32.6/22

+ sign 22.701 $\pm$ 16.783 χ^2/NDF : 72.3/56

All: -0.511 $\pm$ 11.960 χ^2/NDF : 188.5/116

- sign -24.462 $\pm$ 17.048 χ^2/NDF : 112.4/59

reg_asym_sam_3748_avg_rms vs Slug



Right In: 116.406 $\pm$ 0.020 χ^2 /NDF: 4371343.3/31

Left Out: 91.462 $\pm$ 0.015 χ^2 /NDF: 751213.9/24

Right Out: 116.347 $\pm$ 0.019 χ^2 /NDF: 5877136.7/36

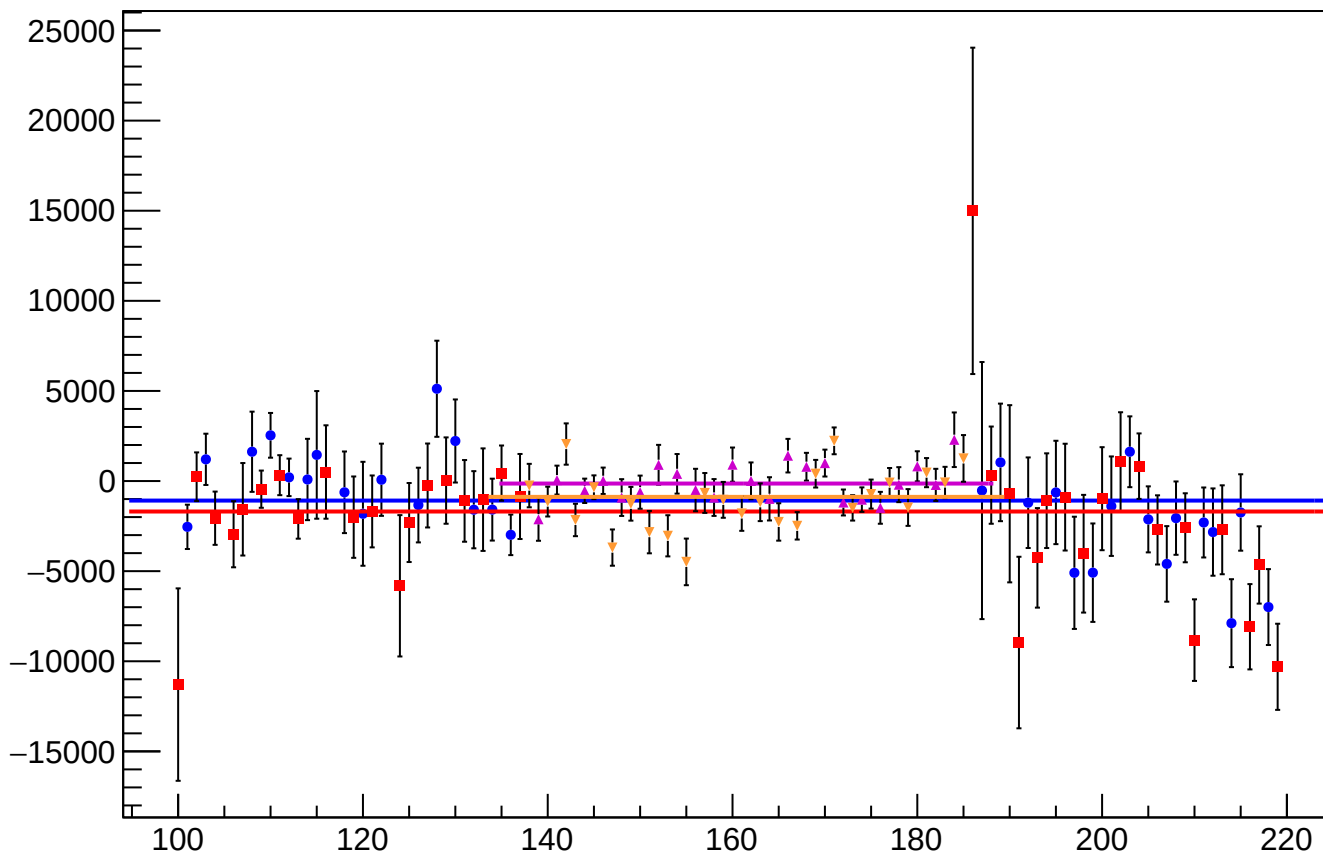
Left In: 92.100 $\pm$ 0.015 χ^2 /NDF: 699590.1/22

+ sign 100.629 $\pm$ 0.012 χ^2 /NDF: 6149577.9/56

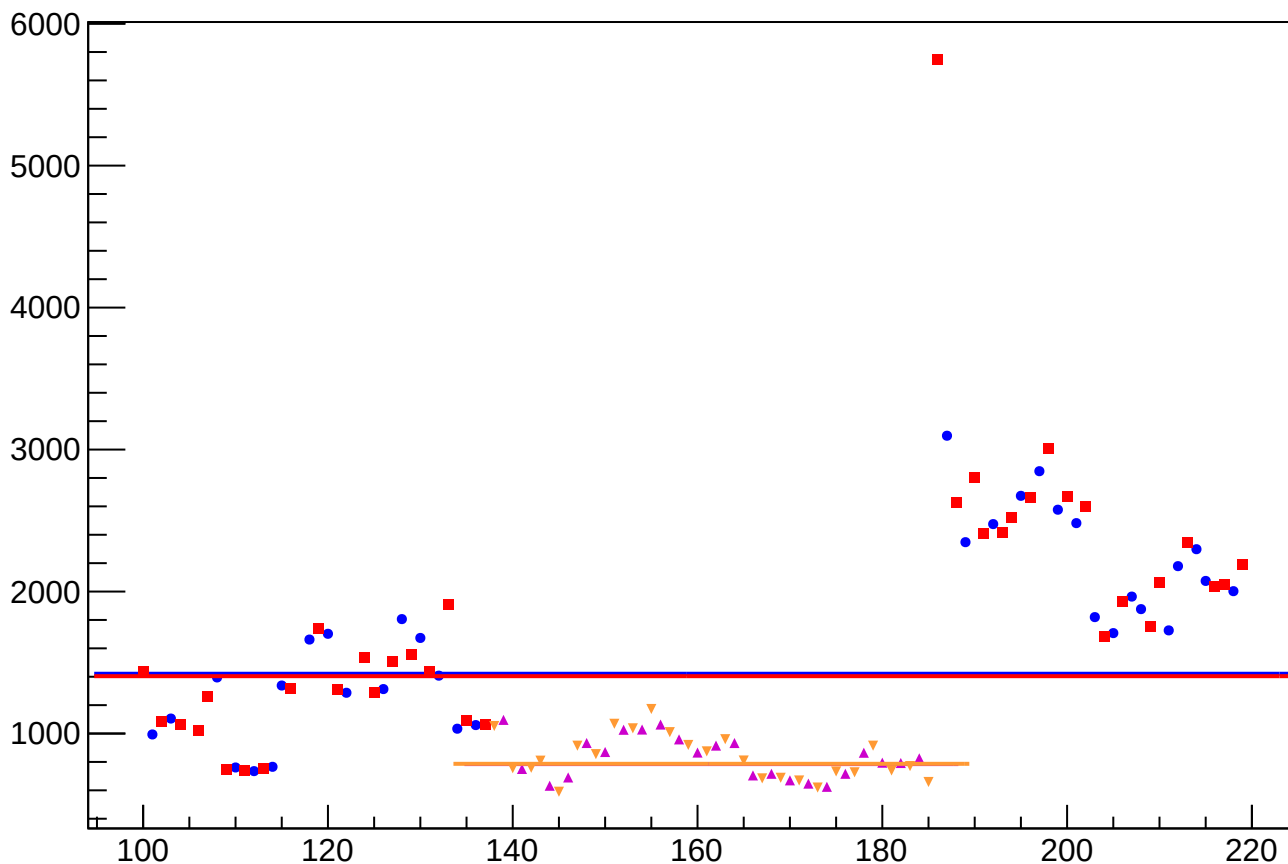
All: 101.092 $\pm$ 0.008 χ^2 /NDF: 13692352.0/13

- sign 101.569 $\pm$ 0.012 χ^2 /NDF: 7539681.2/59

asym_sam_3748_avg_reg_correction_mean vs Slug



asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1421.079 $\pm$ 0.242 χ^2 /NDF: 5666437.1/31

Left Out: 786.758 $\pm$ 0.129 χ^2 /NDF: 1210893.0/24

Right Out: 1403.939 $\pm$ 0.236 χ^2 /NDF: 7414426.0/36

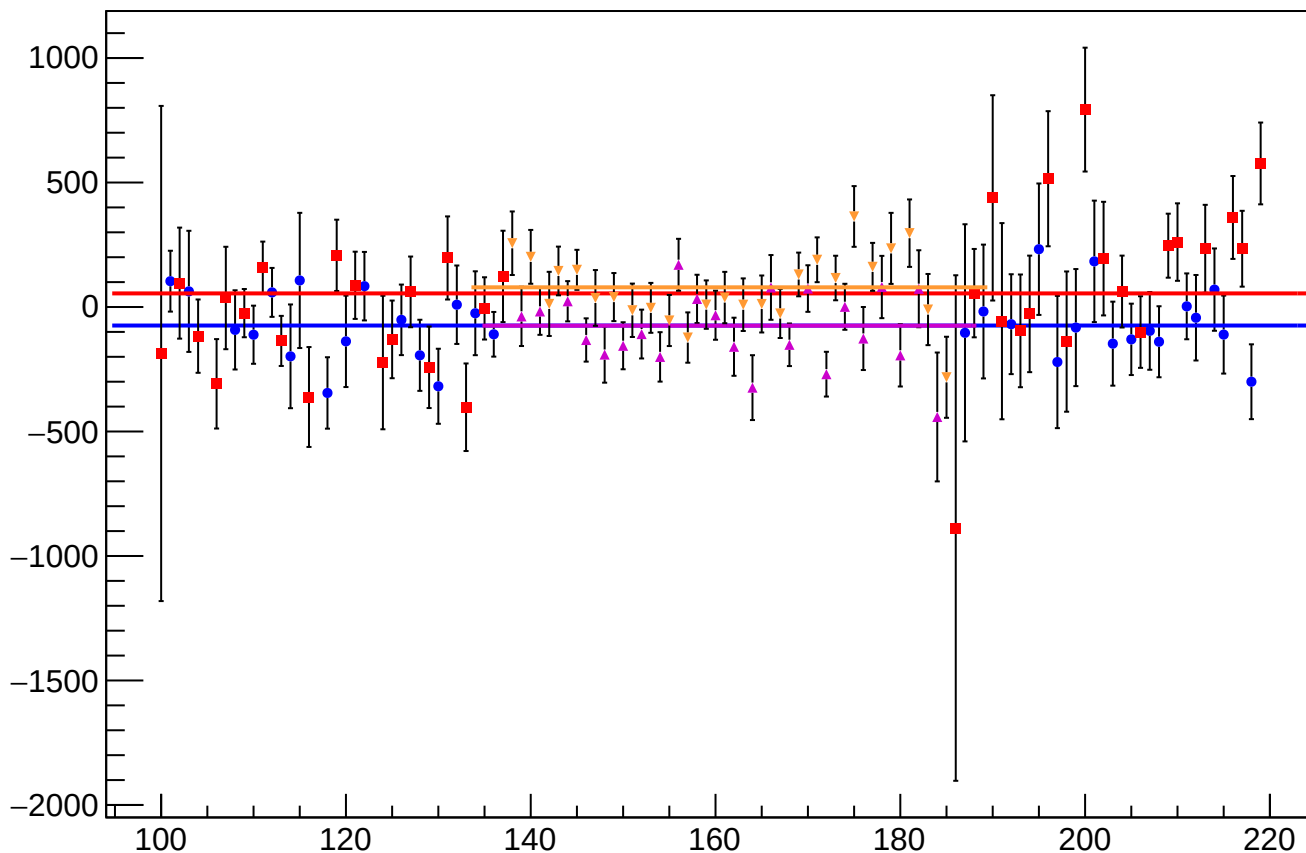
Left In: 784.833 $\pm$ 0.132 χ^2 /NDF: 1063747.2/22

+ sign 926.600 $\pm$ 0.114 χ^2 /NDF: 12222208.3/56

All: 929.373 $\pm$ 0.081 χ^2 /NDF: 25944098.0/11

- sign 932.215 $\pm$ 0.115 χ^2 /NDF: 13720686.3/59

cor_asym_sam_3748_avg_mean vs Slug



Right In: -74.374 ± 27.684 χ^2/NDF : 20.9/31

Left Out: 79.106 ± 21.102 χ^2/NDF : 32.0/24

Right Out: 54.656 ± 27.282 χ^2/NDF : 65.9/36

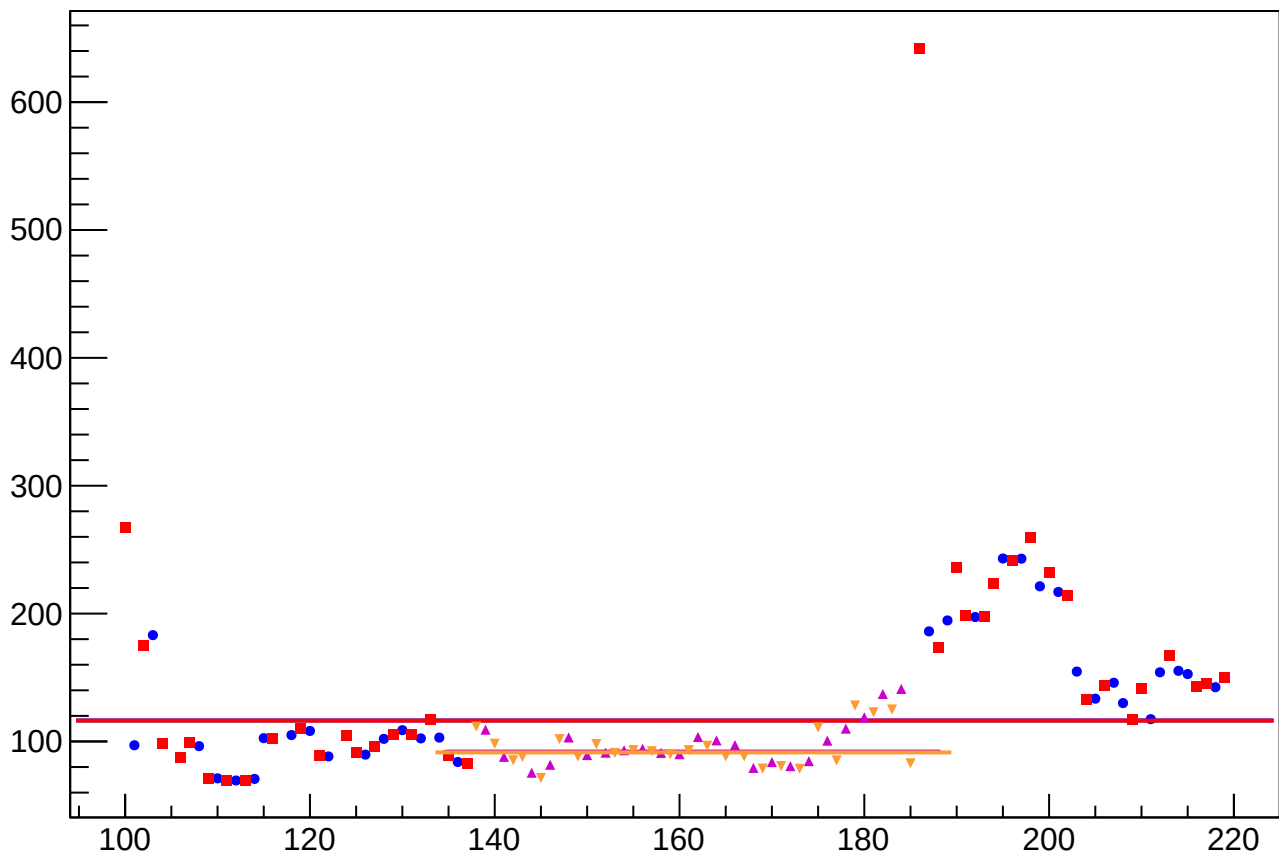
Left In: -75.049 ± 21.837 χ^2/NDF : 32.6/22

+ sign 22.704 ± 16.783 χ^2/NDF : 72.3/56

All: -0.479 ± 11.960 χ^2/NDF : 188.5/116

- sign -24.401 ± 17.048 χ^2/NDF : 112.3/59

cor_asym_sam_3748_avg_rms vs Slug



Right In: 116.406 $\pm$ 0.020 χ^2 /NDF: 4371346.3/31

Left Out: 91.462 $\pm$ 0.015 χ^2 /NDF: 751213.9/24

Right Out: 116.321 $\pm$ 0.019 χ^2 /NDF: 5881681.7/36

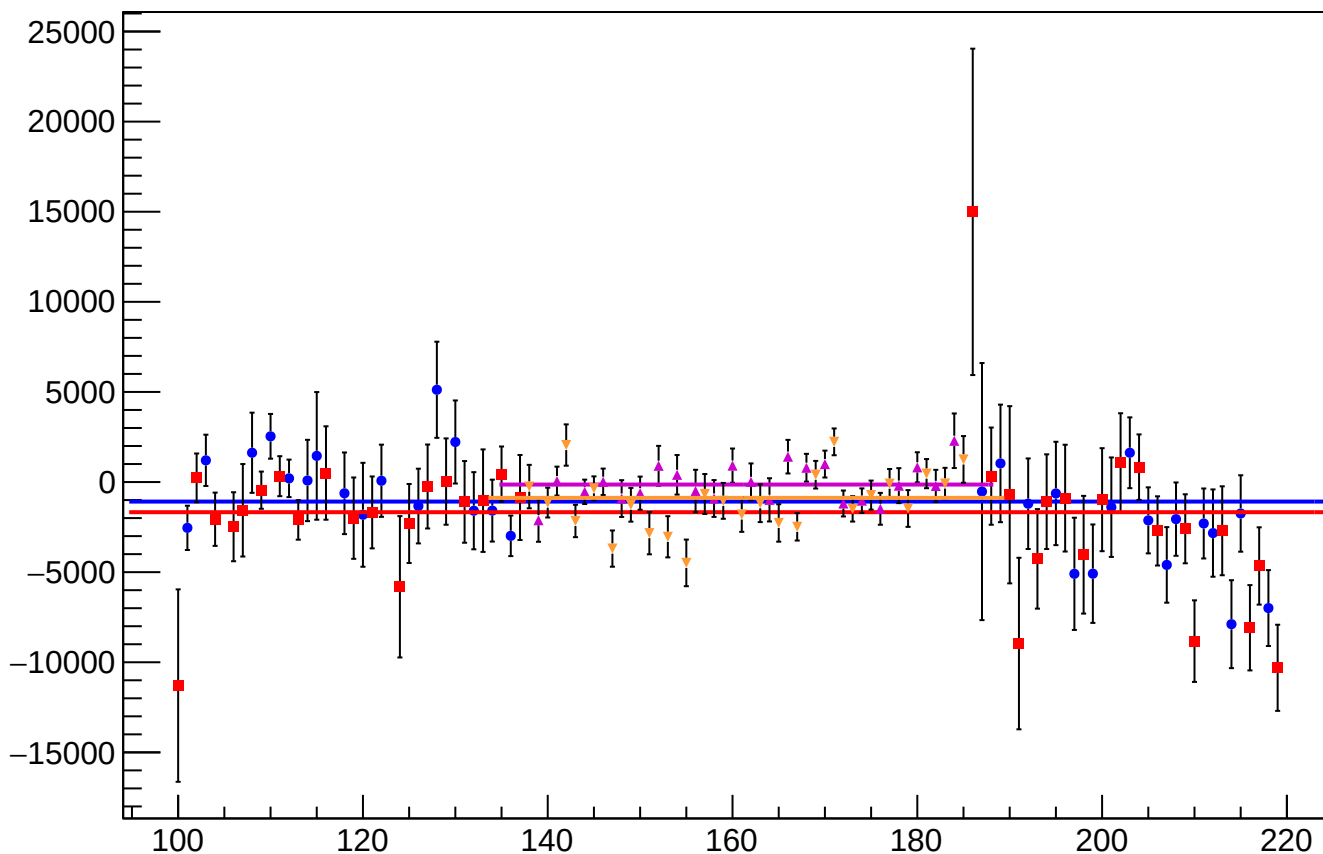
Left In: 92.100 $\pm$ 0.015 χ^2 /NDF: 699590.1/22

+ sign 100.629 $\pm$ 0.012 χ^2 /NDF: 6149581.0/56

All: 101.086 $\pm$ 0.008 χ^2 /NDF: 13694669.4/13

- sign 101.558 $\pm$ 0.012 χ^2 /NDF: 7542067.9/59

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -1083.750 ± 342.591 $\chi^2/\text{NDF}: 53.4/31$

Left Out: -878.453 ± 182.188 $\chi^2/\text{NDF}: 67.7/24$

Right Out: -1673.085 ± 334.255 $\chi^2/\text{NDF}: 59.0/36$

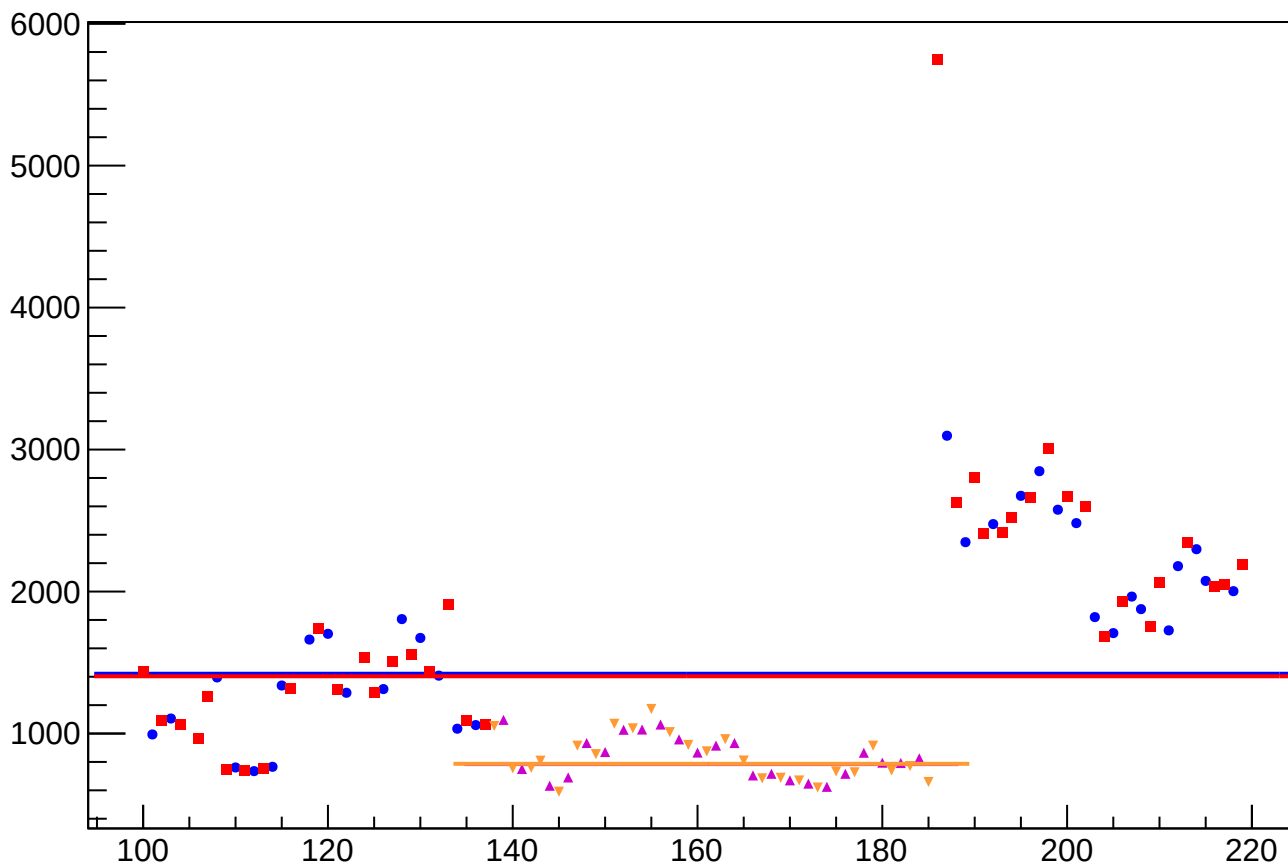
Left In: -138.730 ± 186.573 $\chi^2/\text{NDF}: 24.2/22$

+ sign -923.712 ± 160.857 $\chi^2/\text{NDF}: 121.4/56$

All: -716.134 ± 114.463 $\chi^2/\text{NDF}: 224.1/116$

- sign -503.216 ± 162.913 $\chi^2/\text{NDF}: 99.3/59$

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1421.088 $\pm$ 0.242 χ^2 /NDF: 5666356.0/31

Left Out: 786.758 $\pm$ 0.129 χ^2 /NDF: 1210893.0/24

Right Out: 1403.308 $\pm$ 0.236 χ^2 /NDF: 7432093.4/36

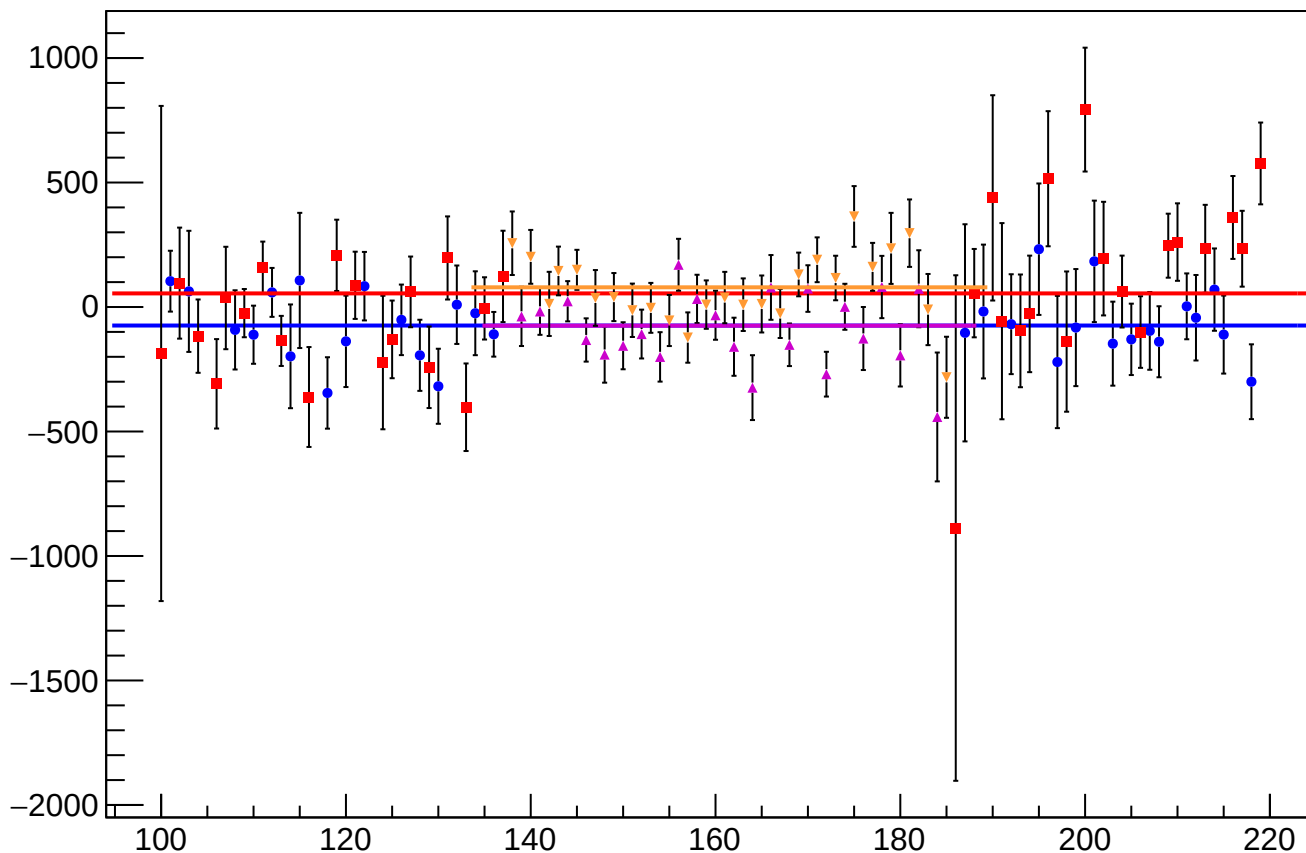
Left In: 784.833 $\pm$ 0.132 χ^2 /NDF: 1063746.9/22

+ sign 926.601 $\pm$ 0.114 χ^2 /NDF: 12222244.8/56

All: 929.144 $\pm$ 0.081 χ^2 /NDF: 25939813.1/11

- sign 931.752 $\pm$ 0.115 χ^2 /NDF: 13716555.8/59

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -74.374 ± 27.684 χ^2/NDF : 20.9/31

Left Out: 79.106 ± 21.102 χ^2/NDF : 32.0/24

Right Out: 54.656 ± 27.282 χ^2/NDF : 65.9/36

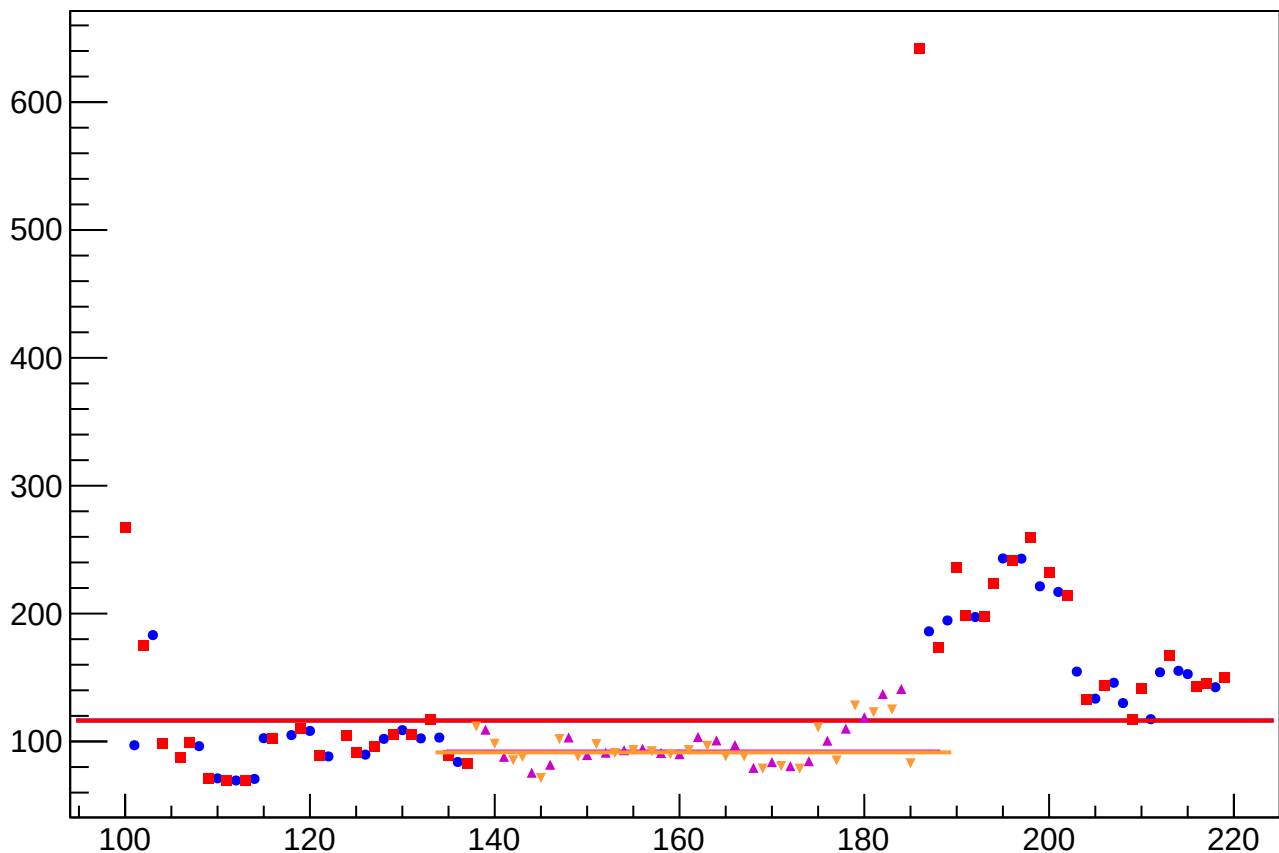
Left In: -75.049 ± 21.837 χ^2/NDF : 32.6/22

+ sign 22.704 ± 16.783 χ^2/NDF : 72.3/56

All: -0.479 ± 11.960 χ^2/NDF : 188.5/116

- sign -24.401 ± 17.048 χ^2/NDF : 112.3/59

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 116.406 $\pm$ 0.020 χ^2 /NDF: 4371346.3/31

Left Out: 91.462 $\pm$ 0.015 χ^2 /NDF: 751213.9/24

Right Out: 116.321 $\pm$ 0.019 χ^2 /NDF: 5881681.7/36

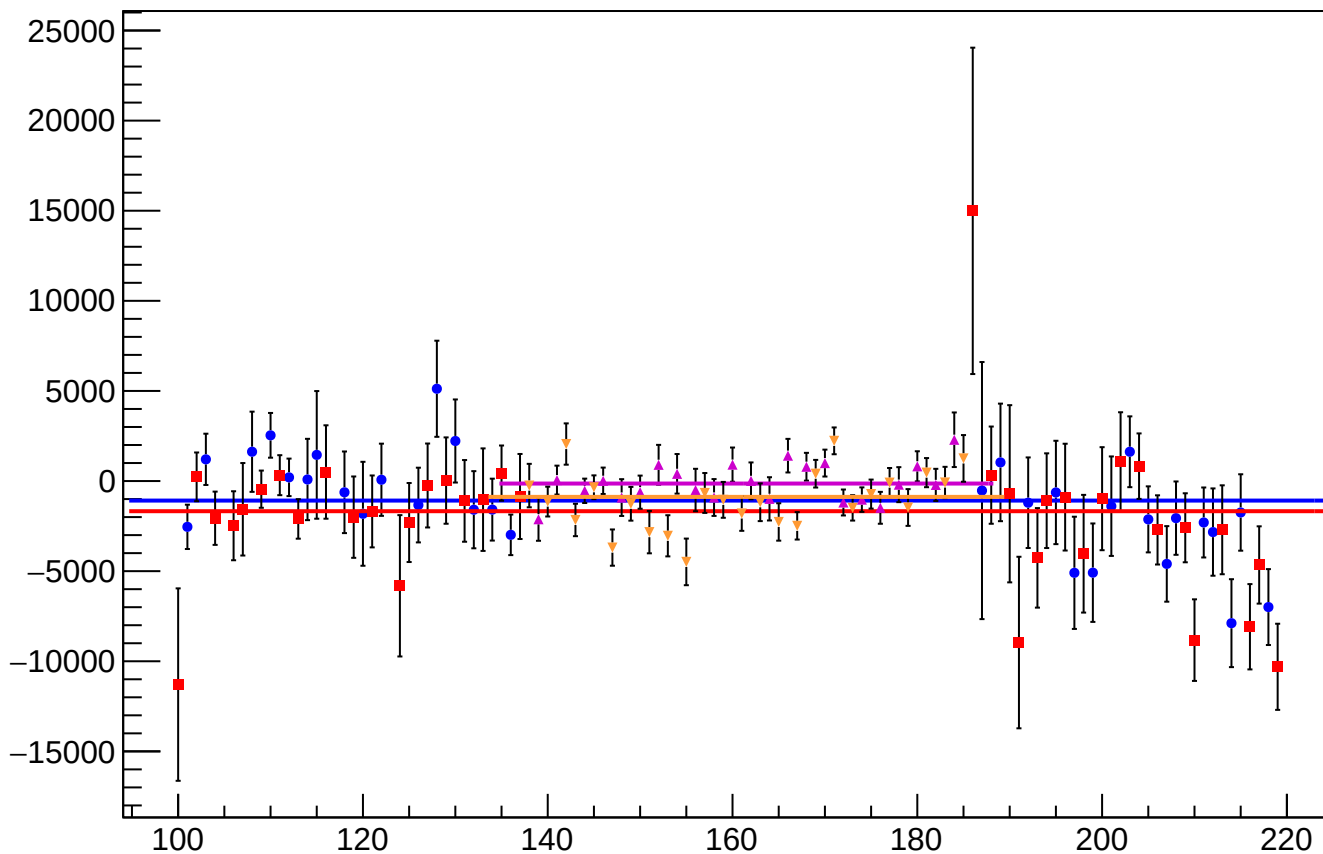
Left In: 92.100 $\pm$ 0.015 χ^2 /NDF: 699590.1/22

+ sign 100.629 $\pm$ 0.012 χ^2 /NDF: 6149581.0/56

All: 101.086 $\pm$ 0.008 χ^2 /NDF: 13694669.4/1

- sign 101.558 $\pm$ 0.012 χ^2 /NDF: 7542067.9/59

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug



Right In: -1083.750 ± 342.591 χ^2/NDF : 53.4/31

Left Out: -878.453 ± 182.188 χ^2/NDF : 67.7/24

Right Out: -1673.085 ± 334.255 χ^2/NDF : 59.0/36

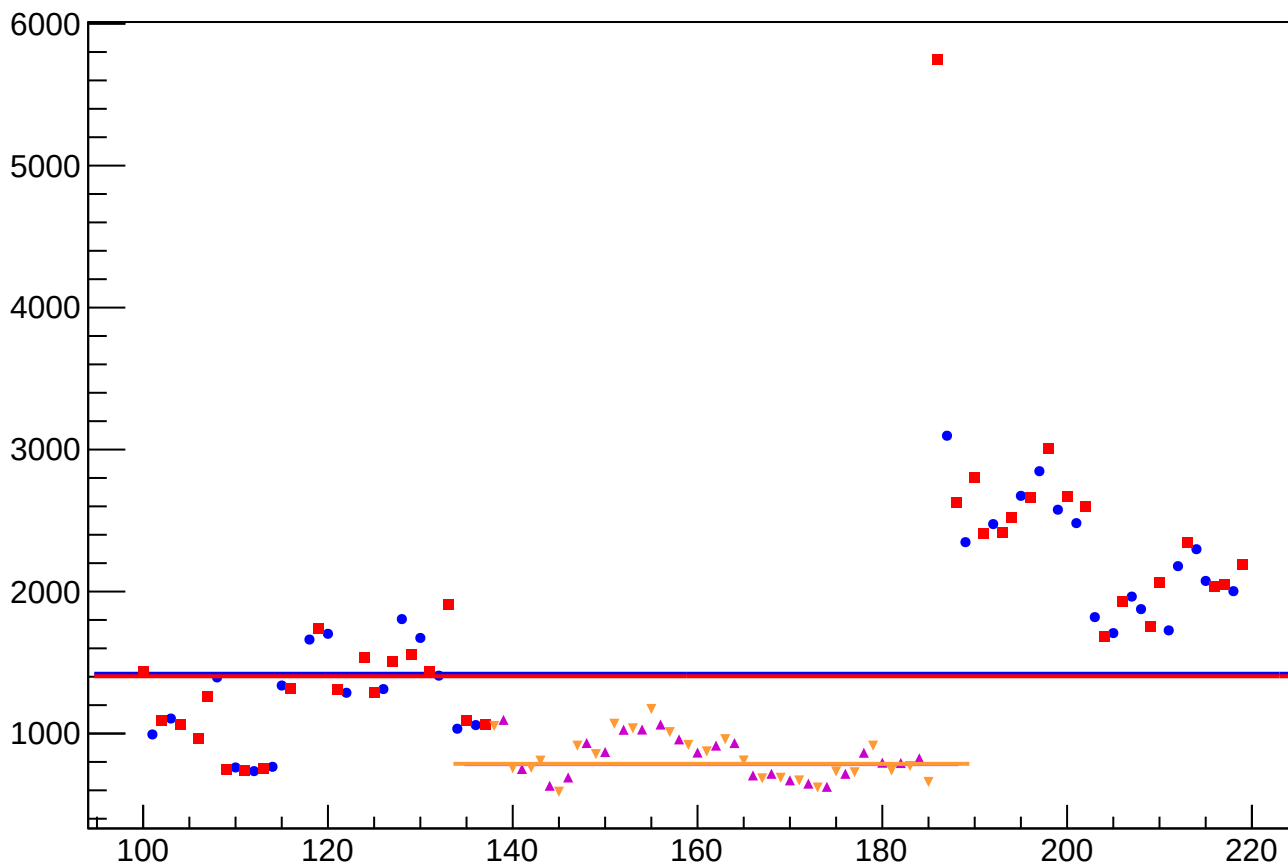
Left In: -138.730 ± 186.573 χ^2/NDF : 24.2/22

+ sign -923.712 ± 160.857 χ^2/NDF : 121.4/56

All: -716.134 ± 114.463 χ^2/NDF : 224.1/116

- sign -503.216 ± 162.913 χ^2/NDF : 99.3/59

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug



Right In: 1421.088 $\pm$ 0.242 χ^2 /NDF: 5666356.0/31

Left Out: 786.758 $\pm$ 0.129 χ^2 /NDF: 1210893.0/24

Right Out: 1403.308 $\pm$ 0.236 χ^2 /NDF: 7432093.4/36

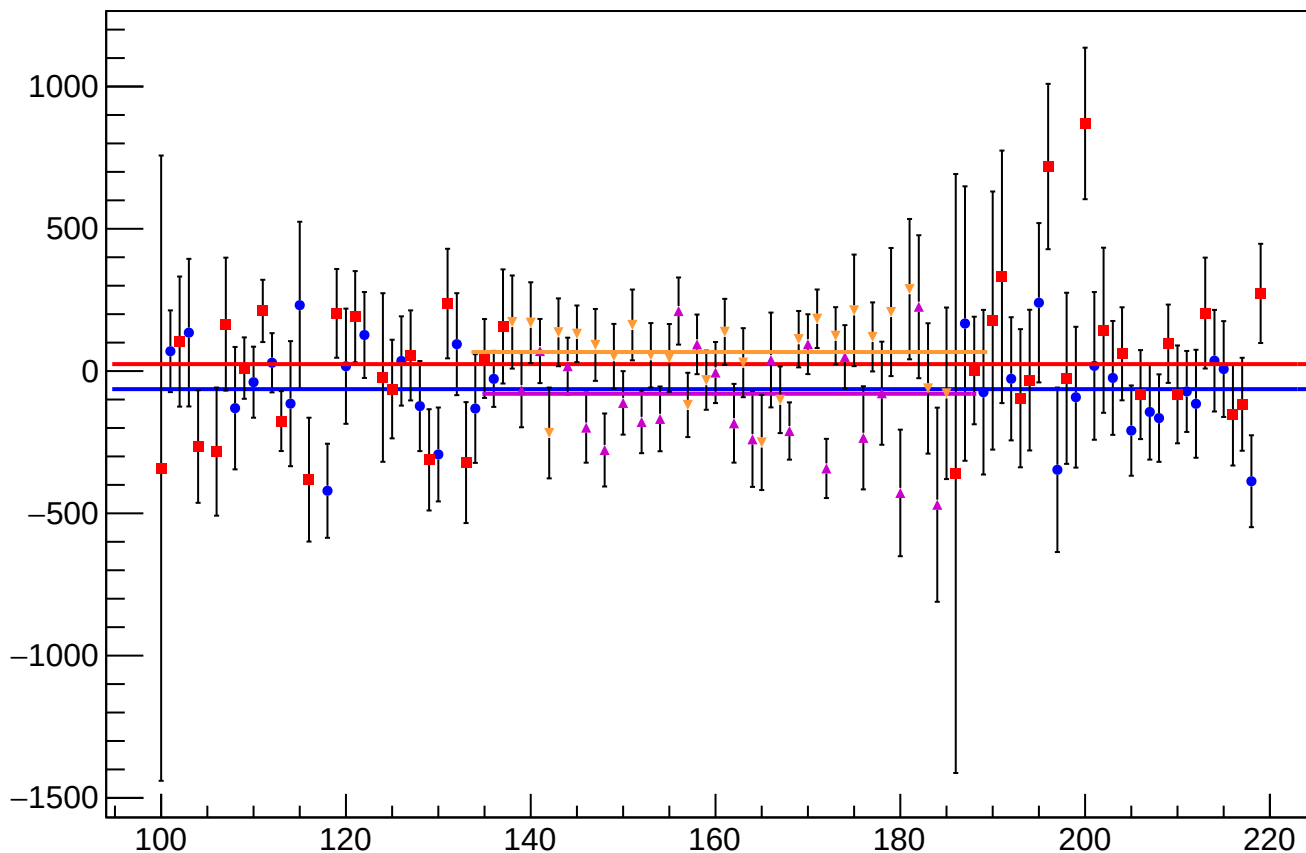
Left In: 784.833 $\pm$ 0.132 χ^2 /NDF: 1063746.9/22

+ sign 926.601 $\pm$ 0.114 χ^2 /NDF: 12222244.8/56

All: 929.144 $\pm$ 0.081 χ^2 /NDF: 25939813.1/11

- sign 931.752 $\pm$ 0.115 χ^2 /NDF: 13716555.8/59

dit_asym_sam_3748_avg_mean vs Slug



Right In: -63.514 ± 30.485 χ^2/NDF : 22.0/31

Left Out: 66.896 ± 25.584 χ^2/NDF : 19.6/24

Right Out: 24.437 ± 30.140 χ^2/NDF : 48.1/36

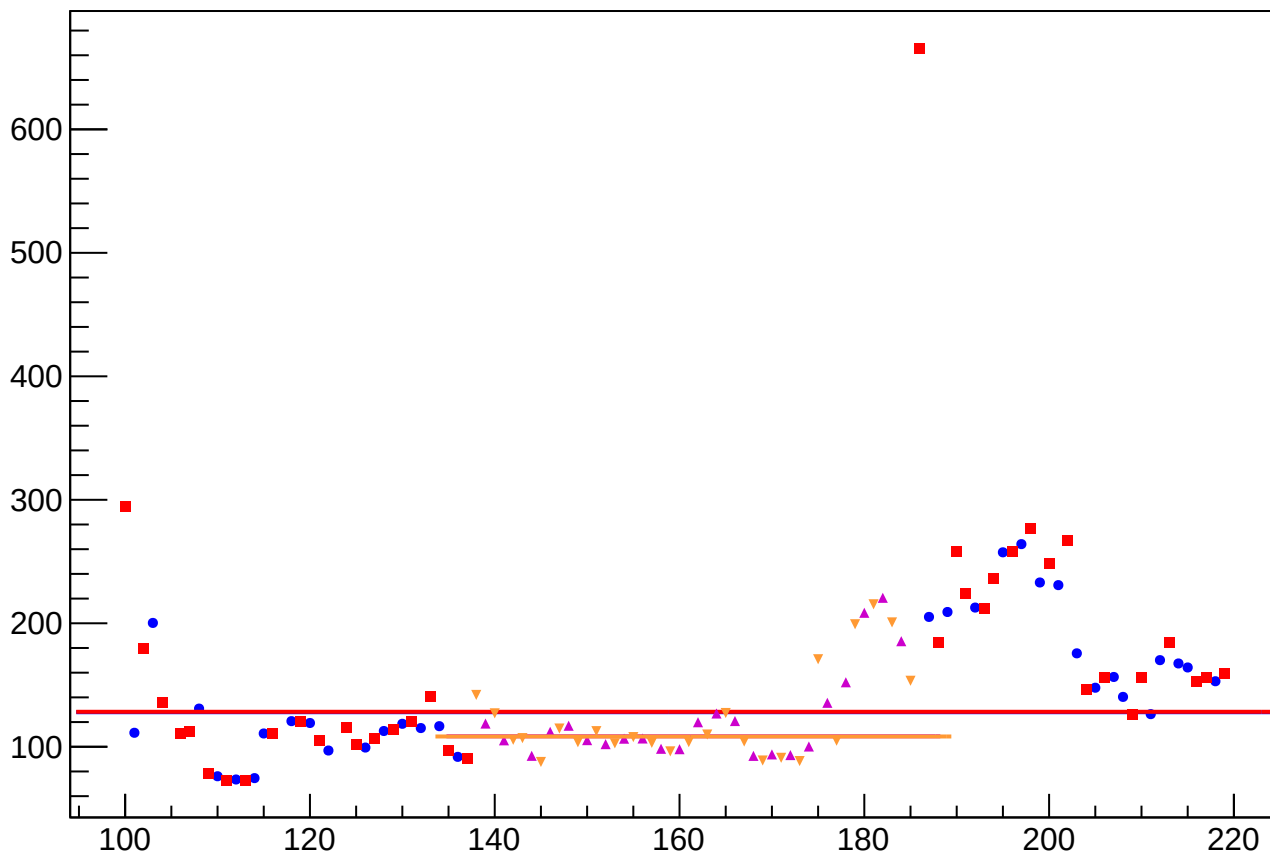
Left In: -79.766 ± 26.299 χ^2/NDF : 36.9/22

+ sign 13.004 ± 19.597 χ^2/NDF : 52.3/56

All: -10.595 ± 13.934 χ^2/NDF : 147.1/116

- sign -34.724 ± 19.816 χ^2/NDF : 91.8/59

dit_asym_sam_3748_avg_rms vs Slug



Right In: 127.984 $\pm$ 0.022 χ^2 /NDF: 4286977.6/31

Left Out: 108.330 $\pm$ 0.018 χ^2 /NDF: 1774599.9/24

Right Out: 128.331 $\pm$ 0.021 χ^2 /NDF: 5799416.1/36

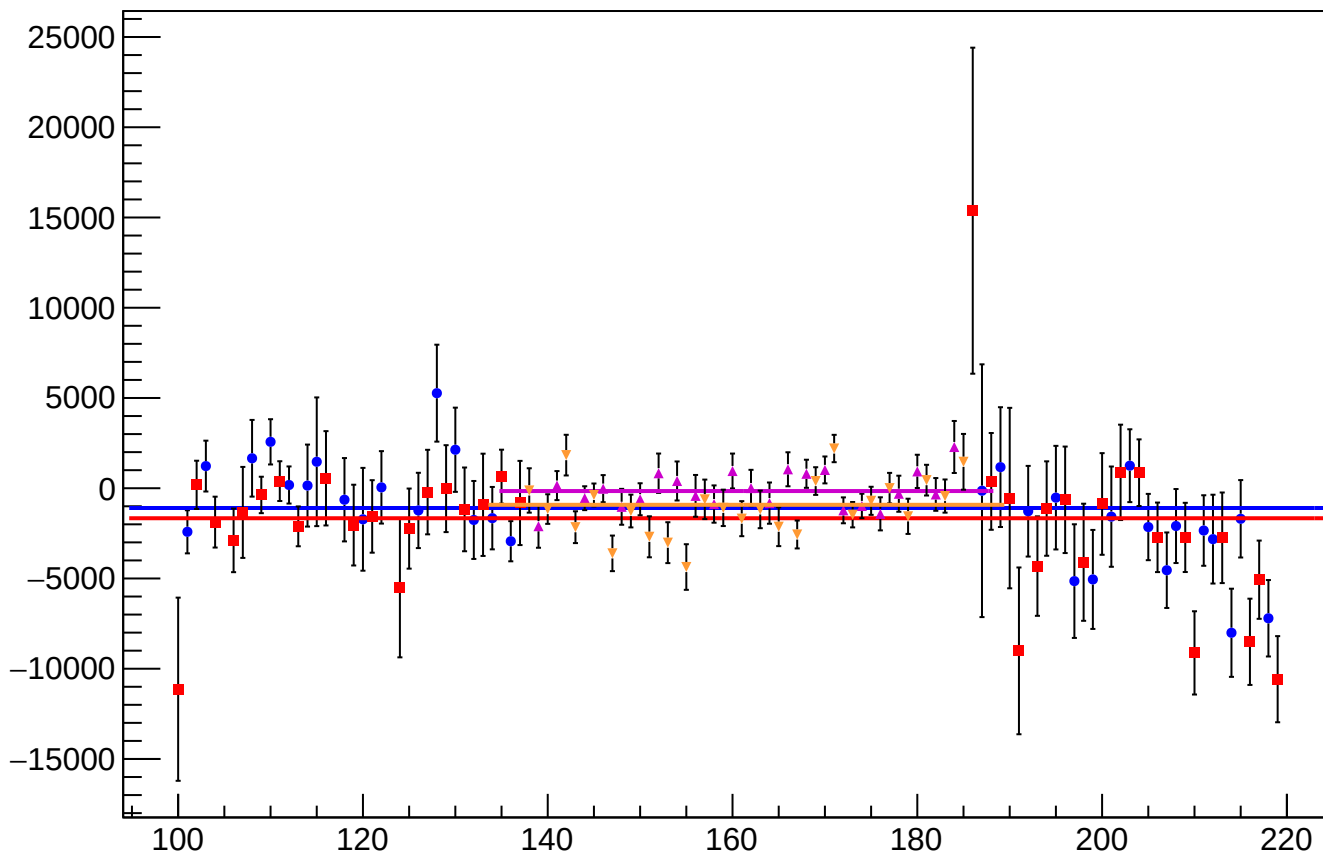
Left In: 108.492 $\pm$ 0.019 χ^2 /NDF: 1379398.3/22

+ sign 116.452 $\pm$ 0.014 χ^2 /NDF: 6549343.9/56

All: 116.756 $\pm$ 0.010 χ^2 /NDF: 14221085.2/11

- sign 117.068 $\pm$ 0.014 χ^2 /NDF: 7670765.6/59

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -1095.159 ± 342.046 χ^2/NDF : 53.6/31

Left Out: -918.735 ± 182.461 χ^2/NDF : 64.1/24

Right Out: -1662.850 ± 331.310 χ^2/NDF : 63.6/36

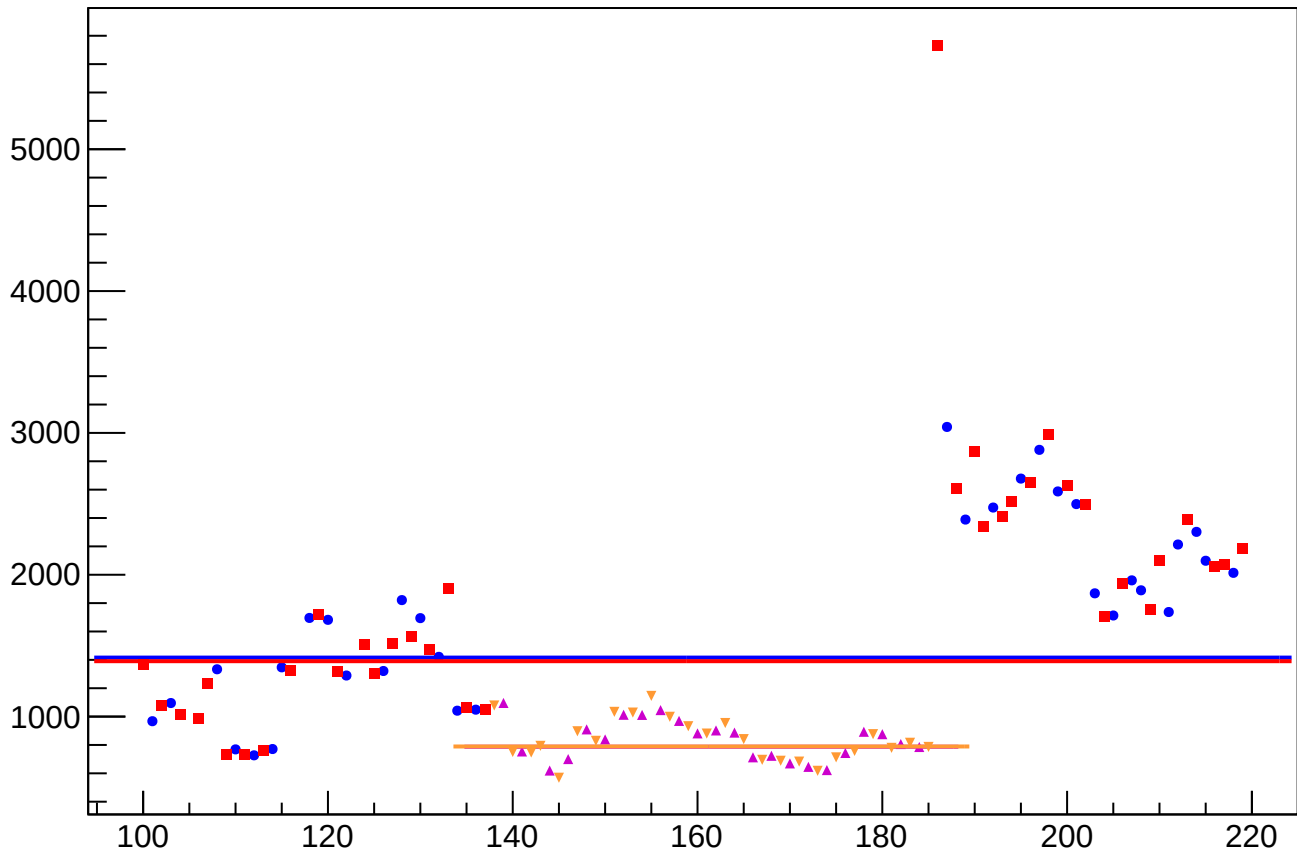
Left In: -155.874 ± 187.116 χ^2/NDF : 23.1/22

+ sign -957.817 ± 160.988 χ^2/NDF : 117.9/56

All: -741.683 ± 114.515 χ^2/NDF : 224.0/116

- sign -520.311 ± 162.927 χ^2/NDF : 102.4/59

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1415.928 $\pm$ 0.242 χ^2 /NDF: 5833408.6/31

Left Out: 789.250 $\pm$ 0.129 χ^2 /NDF: 1176799.1/24

Right Out: 1390.589 $\pm$ 0.234 χ^2 /NDF: 7581802.5/36

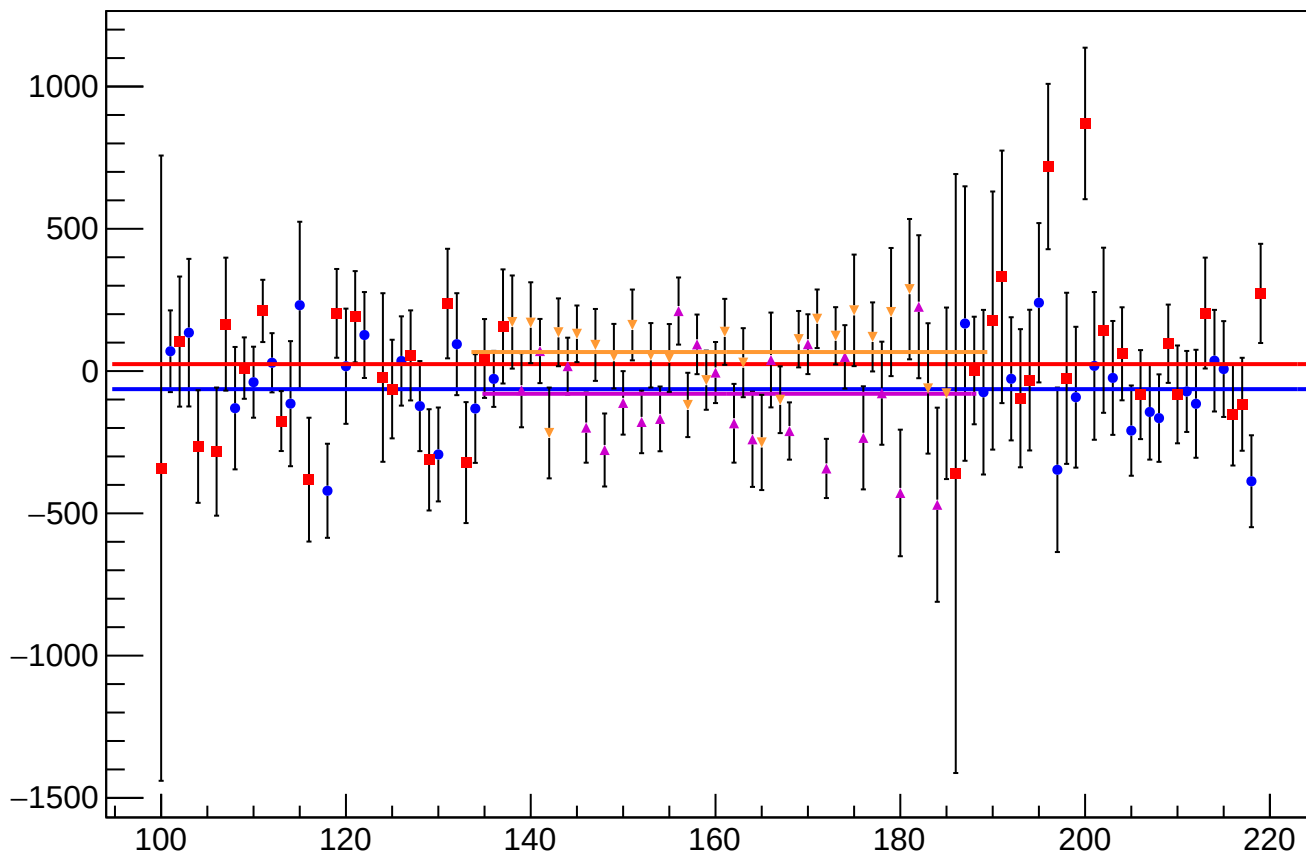
Left In: 787.390 $\pm$ 0.132 χ^2 /NDF: 1041390.9/22

+ sign 928.073 $\pm$ 0.114 χ^2 /NDF: 12236534.4/56

All: 930.637 $\pm$ 0.081 χ^2 /NDF: 25887048.6/11

- sign 933.264 $\pm$ 0.115 χ^2 /NDF: 13649487.0/59

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -63.512 ± 30.485 χ^2/NDF : 22.0/31

Left Out: 66.898 ± 25.584 χ^2/NDF : 19.6/24

Right Out: 24.440 ± 30.140 χ^2/NDF : 48.1/36

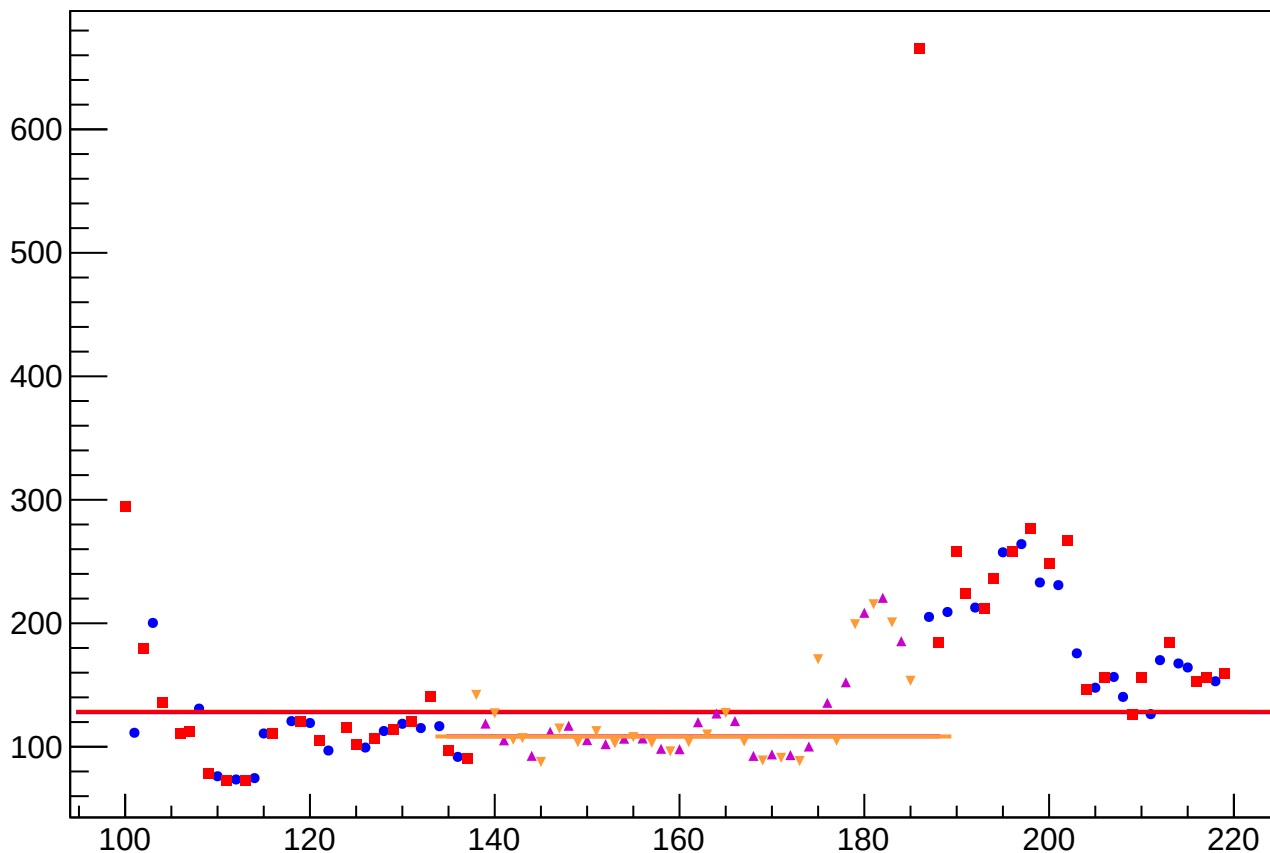
Left In: -79.766 ± 26.299 χ^2/NDF : 36.9/22

+ sign 13.006 ± 19.597 χ^2/NDF : 52.3/56

All: -10.593 ± 13.934 χ^2/NDF : 147.1/116

- sign -34.723 ± 19.816 χ^2/NDF : 91.8/59

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 127.984 $\pm$ 0.022 χ^2 /NDF: 4286960.4/31

Left Out: 108.330 $\pm$ 0.018 χ^2 /NDF: 1774594.6/24

Right Out: 128.331 $\pm$ 0.021 χ^2 /NDF: 5799413.5/36

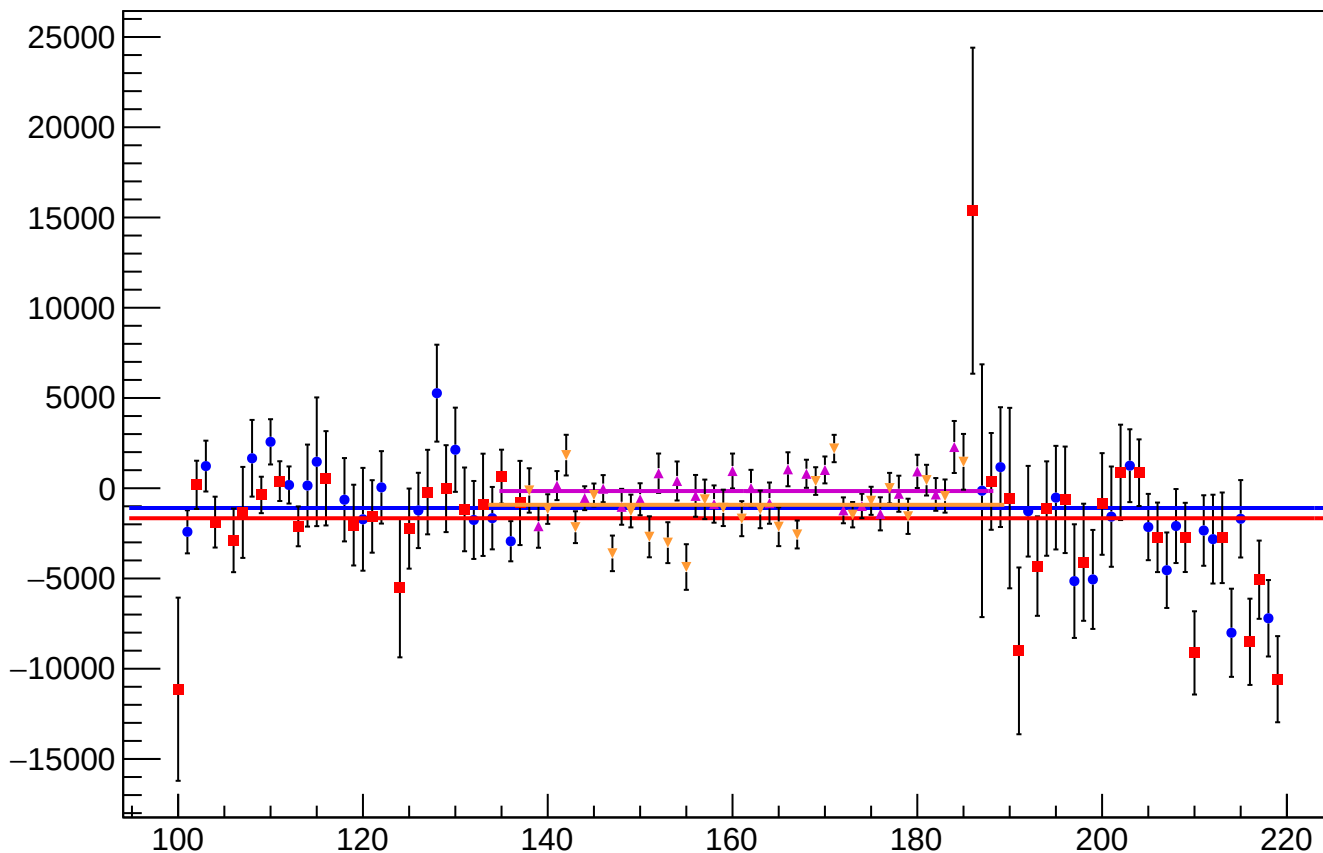
Left In: 108.493 $\pm$ 0.019 χ^2 /NDF: 1379379.3/22

+ sign 116.452 $\pm$ 0.014 χ^2 /NDF: 6549311.1/56

All: 116.757 $\pm$ 0.010 χ^2 /NDF: 14221020.5/1

- sign 117.068 $\pm$ 0.014 χ^2 /NDF: 7670733.7/59

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug



Right In: -1095.156 ± 342.046 χ^2/NDF : 53.6/31

Left Out: -918.734 ± 182.461 χ^2/NDF : 64.1/24

Right Out: -1662.847 ± 331.309 χ^2/NDF : 63.6/36

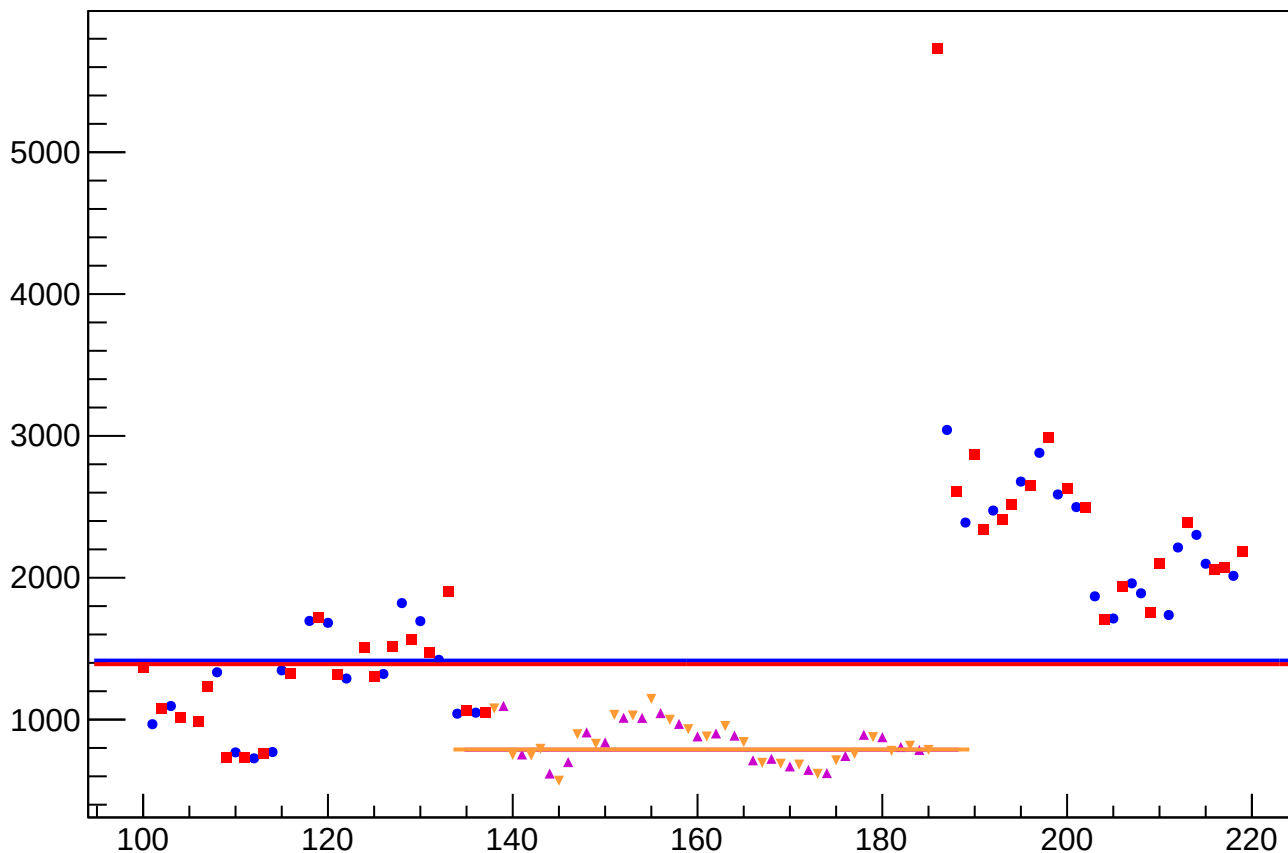
Left In: -155.873 ± 187.115 χ^2/NDF : 23.1/22

+ sign -957.815 ± 160.988 χ^2/NDF : 117.9/56

All: -741.681 ± 114.515 χ^2/NDF : 224.0/116

- sign -520.309 ± 162.927 χ^2/NDF : 102.4/59

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug



Right In: 1415.926 $\pm$ 0.242 χ^2 /NDF: 5833422.6/31

Left Out: 789.248 $\pm$ 0.129 χ^2 /NDF: 1176801.9/24

Right Out: 1390.587 $\pm$ 0.234 χ^2 /NDF: 7581812.0/36

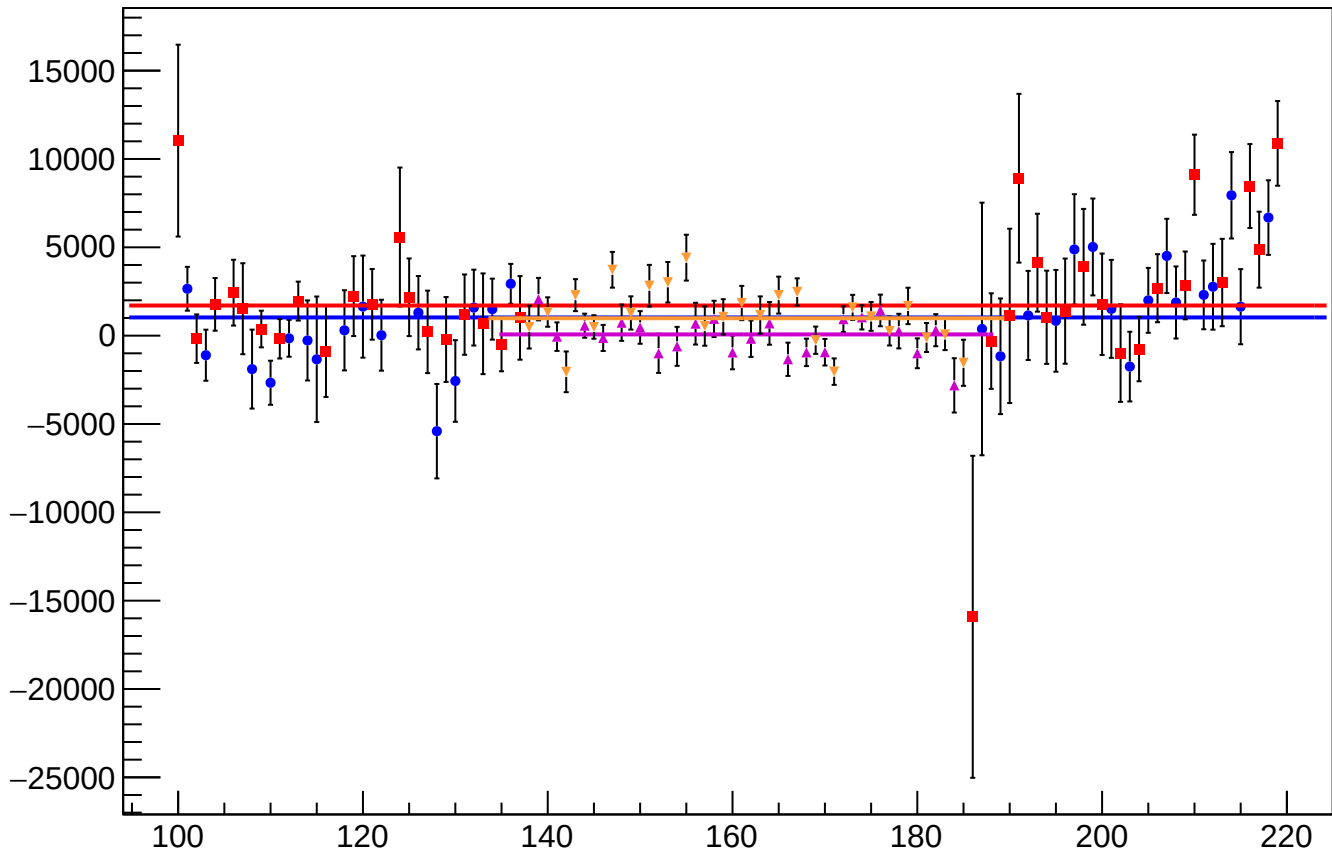
Left In: 787.388 $\pm$ 0.132 χ^2 /NDF: 1041391.2/22

+ sign 928.071 $\pm$ 0.114 χ^2 /NDF: 12236552.7/56

All: 930.636 $\pm$ 0.081 χ^2 /NDF: 25887080.1/11

- sign 933.262 $\pm$ 0.115 χ^2 /NDF: 13649500.3/59

asym_sam_3748_avg_mean vs Slug



Right In: 1031.264 ± 344.176 χ^2/NDF : 53.6/31

Left Out: 985.656 ± 183.601 χ^2/NDF : 63.7/24

Right Out: 1705.802 ± 335.416 χ^2/NDF : 62.1/36

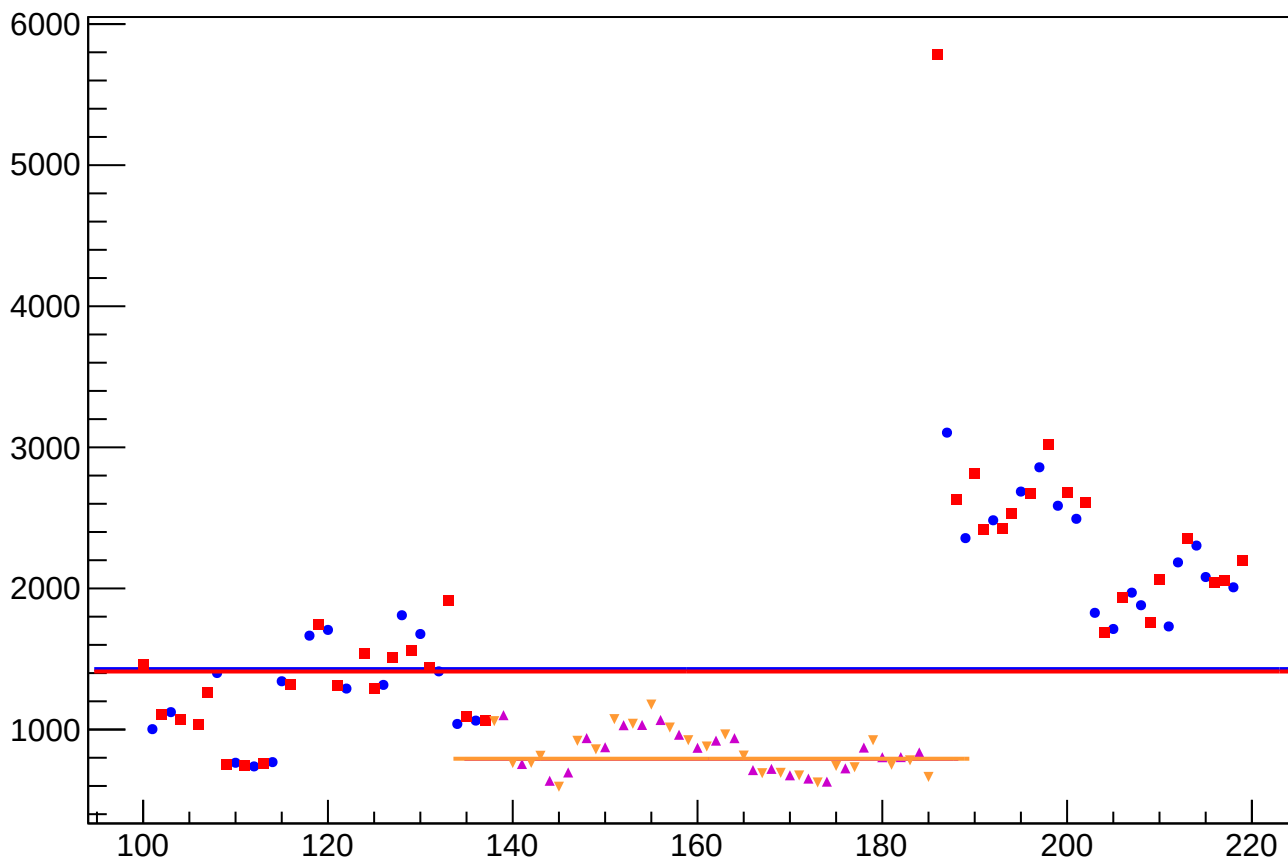
Left In: 70.089 ± 188.036 χ^2/NDF : 24.4/22

+ sign 995.760 ± 161.993 χ^2/NDF : 117.3/56

All: 731.818 ± 115.256 χ^2/NDF : 227.3/116

- sign 461.229 ± 164.020 χ^2/NDF : 104.6/59

asym_sam_3748_avg_rms vs Slug



Right In: 1428.319+/-0.243 χ^2/NDF : 5635295.3/31

Left Out: 793.051+/-0.130 χ^2/NDF :1193972.3/24

Right Out: 1411.249+/-0.237 χ^2/NDF : 7382228.7/36

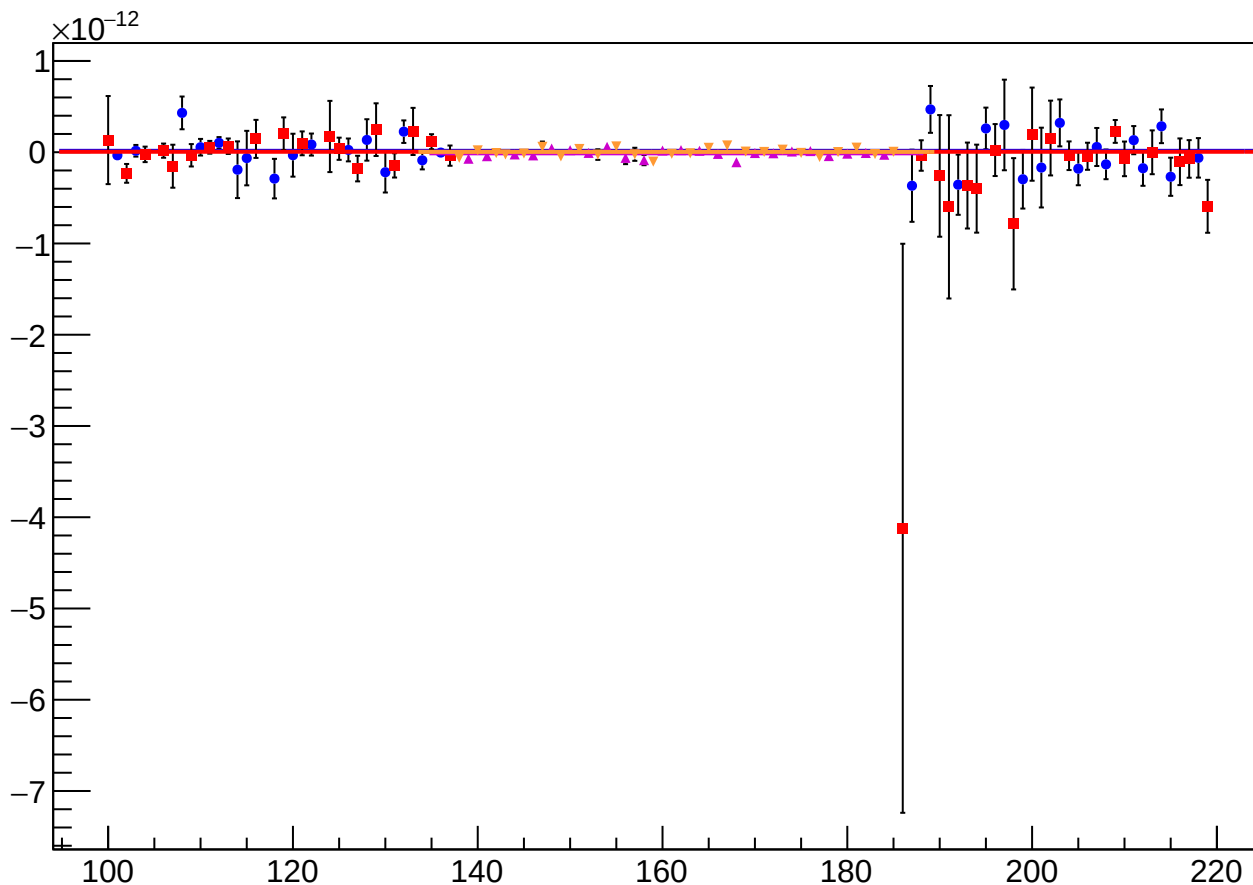
Left In: 791.155+/-0.133 χ^2/NDF :1049107.7/22

+ sign 933.782+/-0.115 χ^2/NDF : 12133533.1/56

All: 936.573+/-0.081 χ^2/NDF : 25767110.2/11

- sign 939.436+/-0.116 χ^2/NDF : 13632374.0/59

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.9/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.1/36

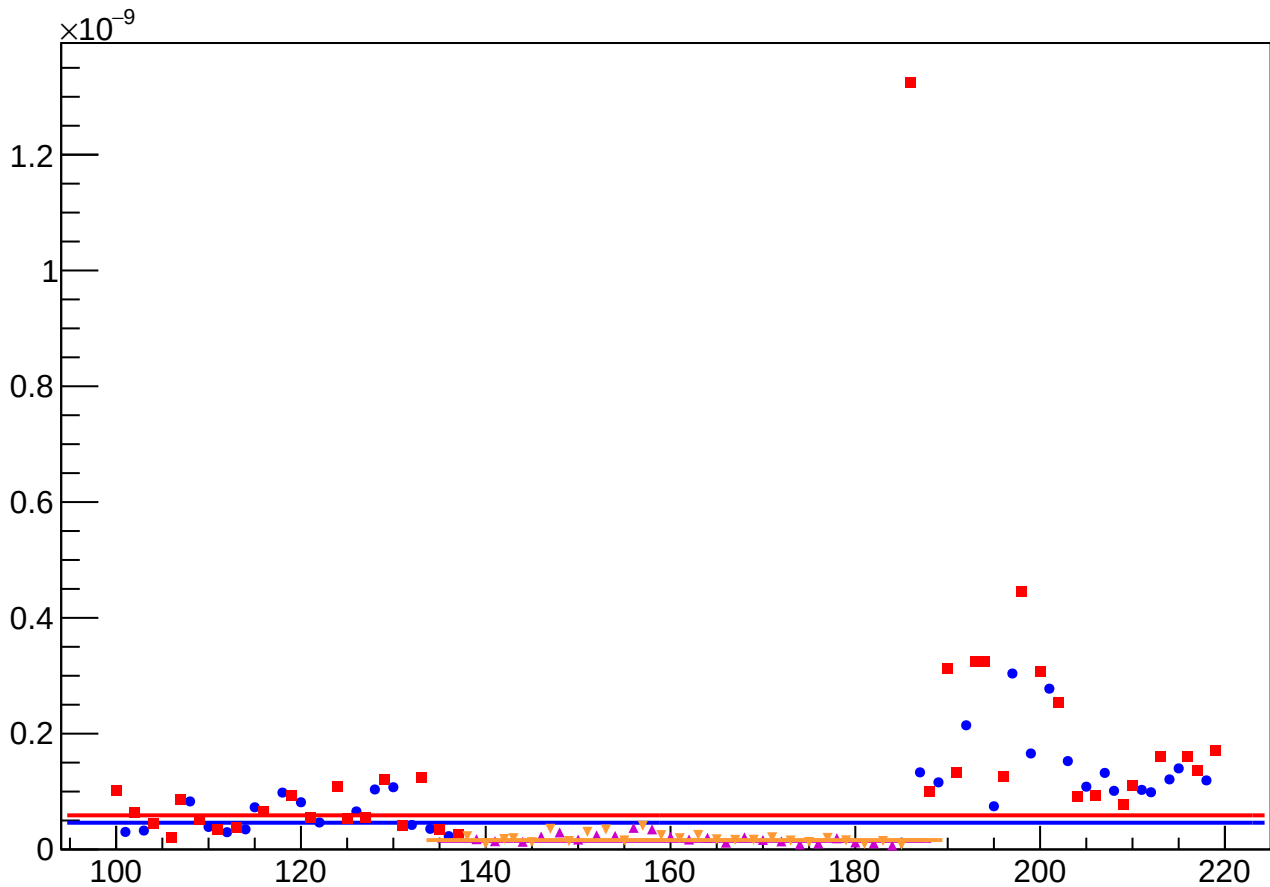
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 68.2/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 126.3/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.9/59

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6456100.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6918844.8/36

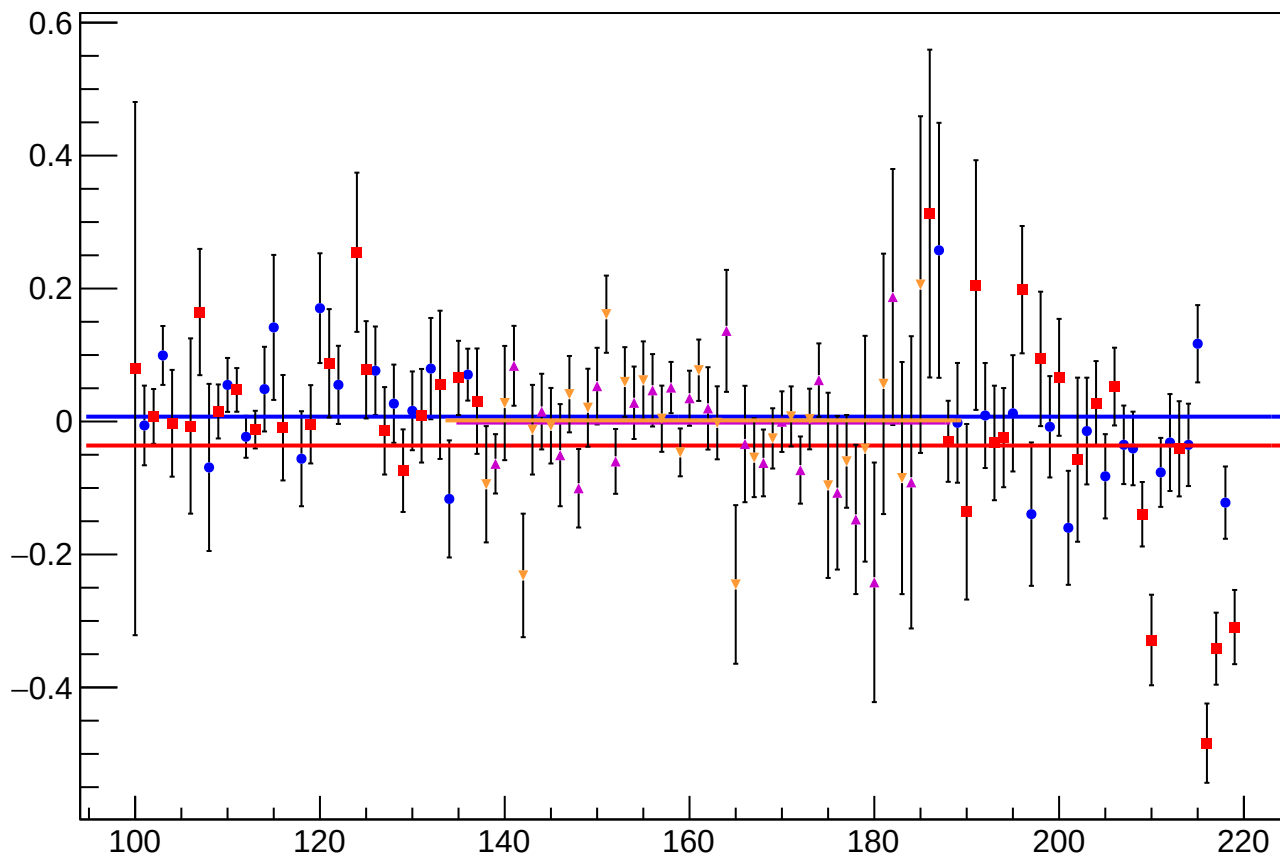
Left In: 0.000+/-0.000 χ^2/NDF : 1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 12129801.6/56

All: 0.000+/-0.000 χ^2/NDF : 26920246.0/116

- sign 0.000+/-0.000 χ^2/NDF : 14751169.2/59

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 $\pm$ 0.011 χ^2 /NDF: 44.4/31

Left Out: 0.002 $\pm$ 0.012 χ^2 /NDF:30.4/24

Right Out: -0.036 $\pm$ 0.010 χ^2 /NDF: 183.0/36

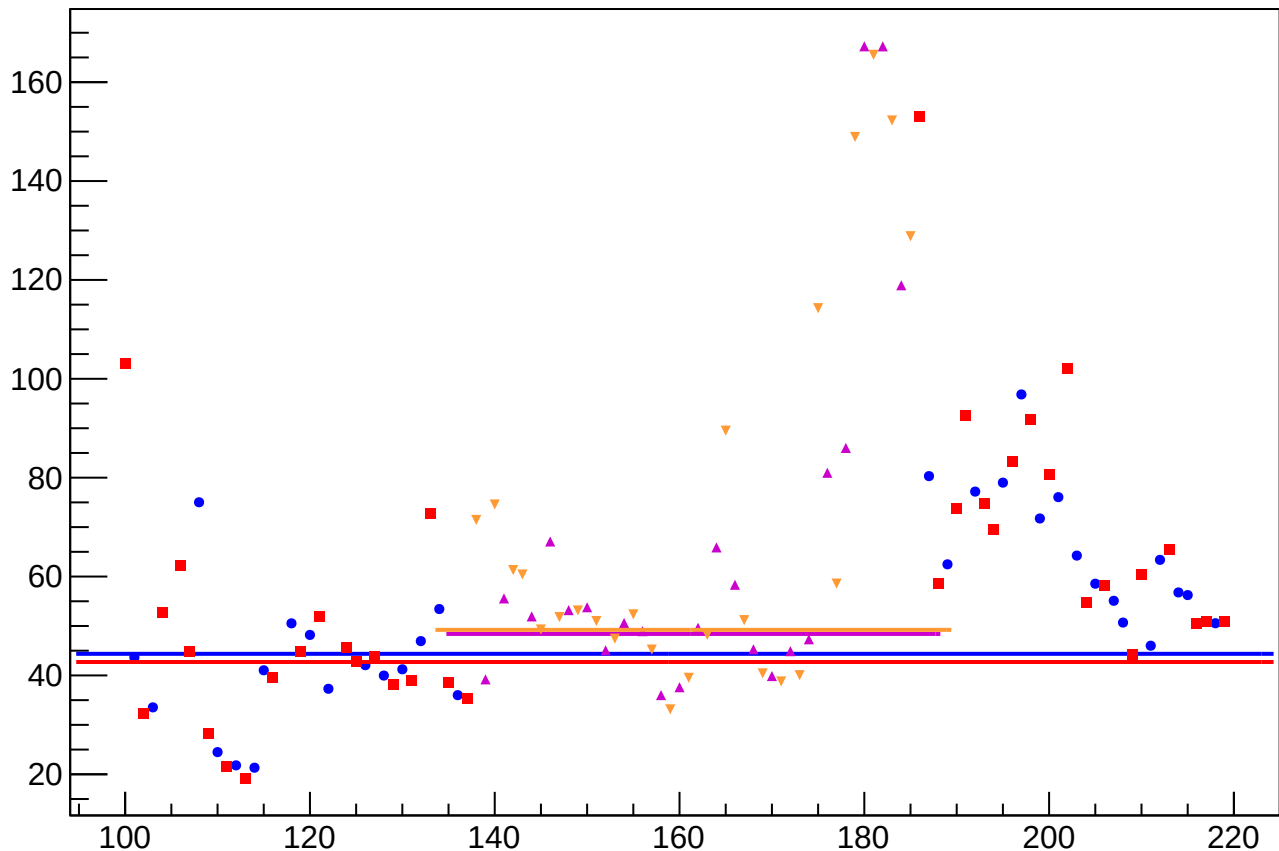
Left In: -0.002 $\pm$ 0.012 χ^2 /NDF:26.1/22

+ sign 0.005 $\pm$ 0.008 χ^2 /NDF: 74.9/56

All: -0.009 $\pm$ 0.006 χ^2 /NDF: 294.0/116

- sign -0.022 $\pm$ 0.008 χ^2 /NDF: 213.6/59

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 44.369+/-0.008 χ^2/NDF : 4643879.6/31

Left Out: 49.216+/-0.009 χ^2/NDF : 4171670.0/24

Right Out: 42.717+/-0.007 χ^2/NDF : 6605180.6/36

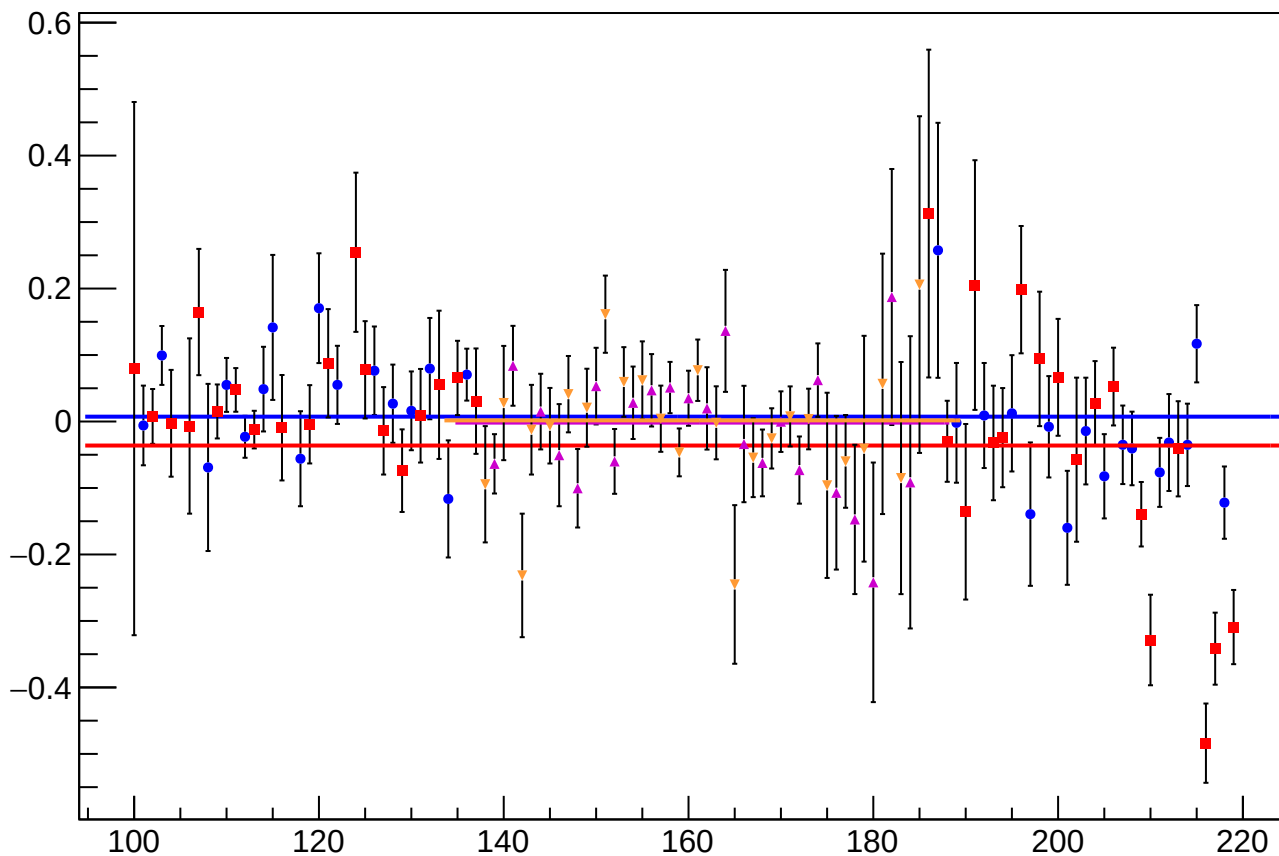
Left In: 48.392+/-0.009 χ^2/NDF : 3033240.8/22

+ sign 46.491+/-0.006 χ^2/NDF : 8990217.9/56

All: 45.767+/-0.004 χ^2/NDF : 18906004.5/116

- sign 45.072+/-0.006 χ^2/NDF : 9884724.2/59

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.011 $\chi^2/\text{NDF}: 44.4/31$

Left Out: 0.002 ± 0.012 $\chi^2/\text{NDF}: 30.4/24$

Right Out: -0.036 ± 0.010 $\chi^2/\text{NDF}: 183.0/36$

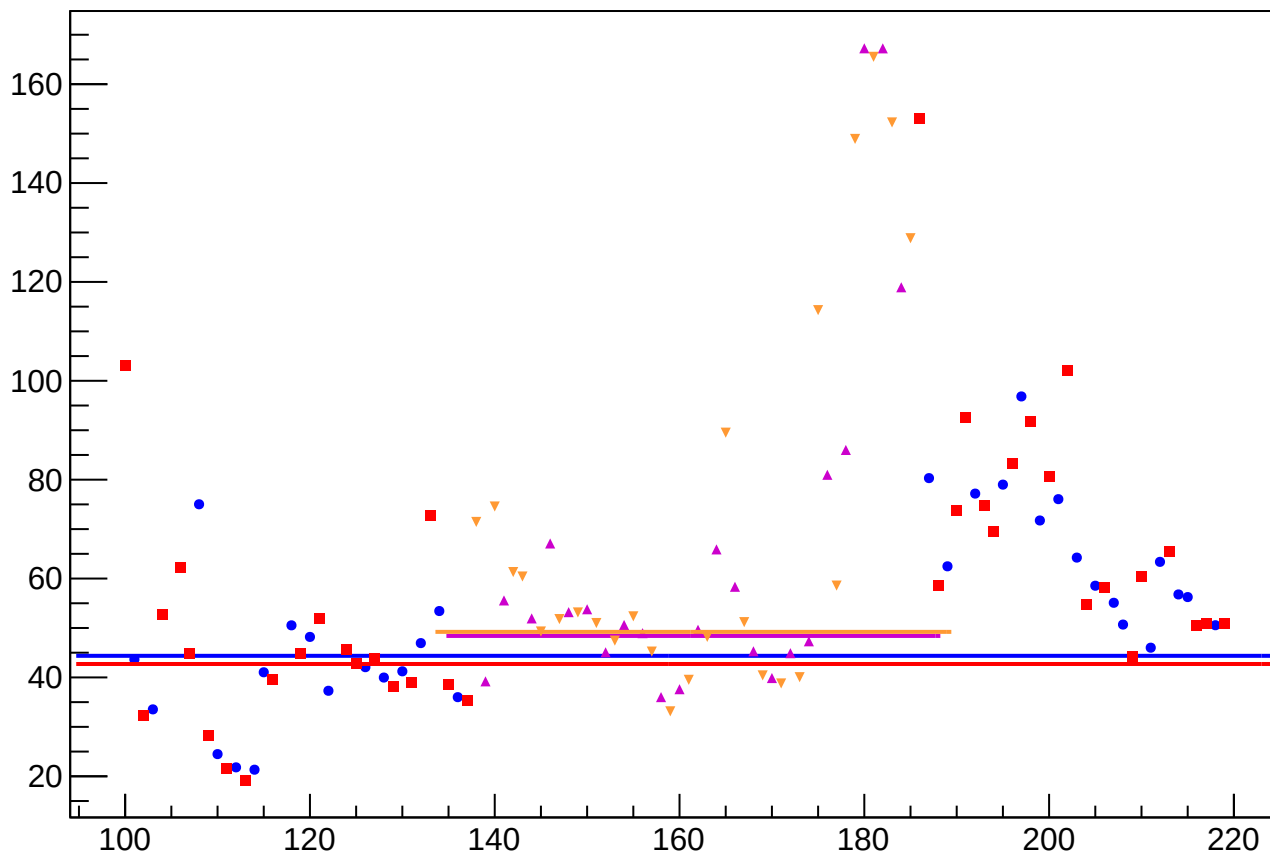
Left In: -0.002 ± 0.012 $\chi^2/\text{NDF}: 26.1/22$

+ sign 0.005 ± 0.008 $\chi^2/\text{NDF}: 74.9/56$

All: -0.009 ± 0.006 $\chi^2/\text{NDF}: 294.0/116$

- sign -0.022 ± 0.008 $\chi^2/\text{NDF}: 213.6/59$

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.369+/-0.008 χ^2/NDF : 4643879.6/31

Left Out: 49.216+/-0.009 χ^2/NDF : 4171670.0/24

Right Out: 42.717+/-0.007 χ^2/NDF : 6605180.6/36

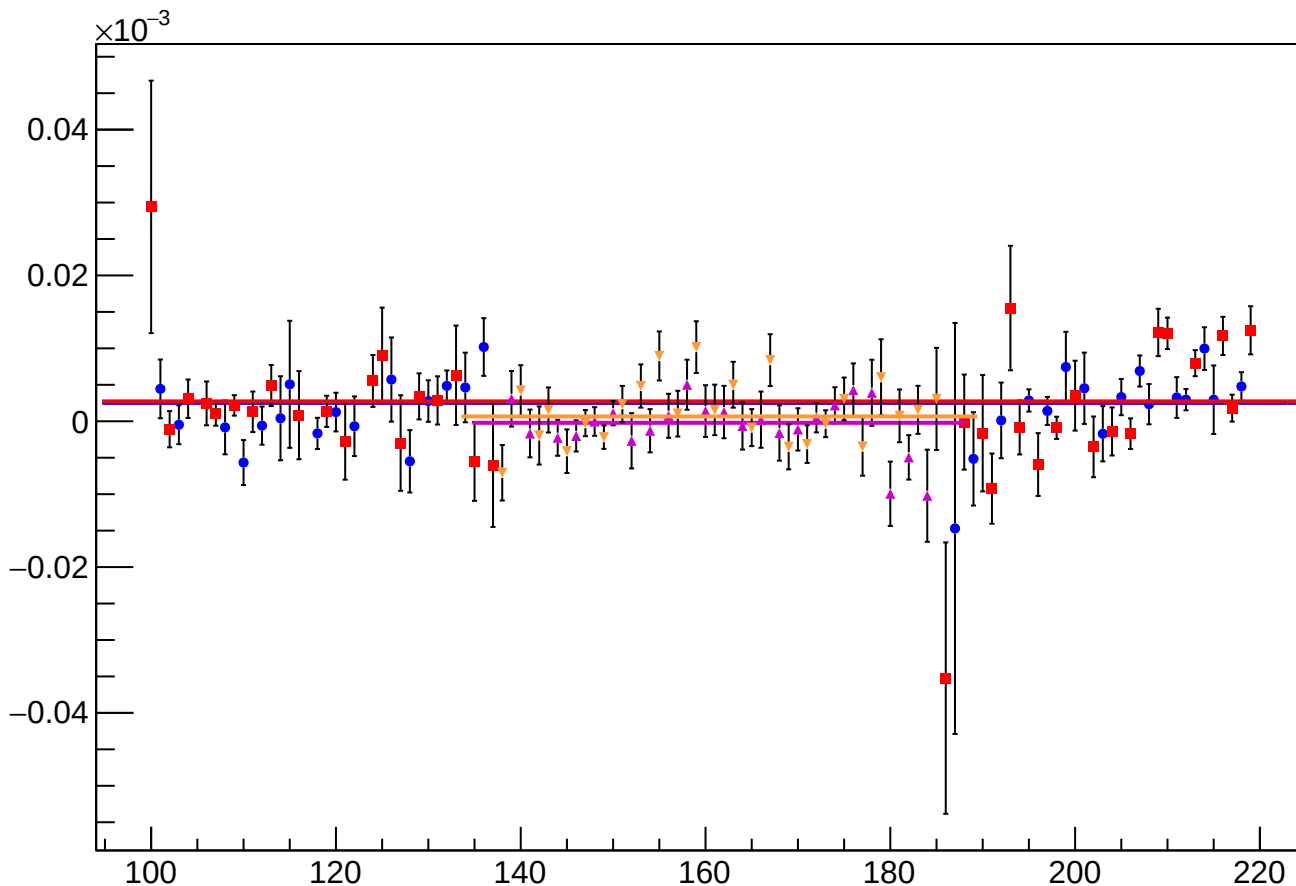
Left In: 48.392+/-0.009 χ^2/NDF : 3033240.8/22

+ sign 46.491+/-0.006 χ^2/NDF : 8990217.9/56

All: 45.767+/-0.004 χ^2/NDF : 18906004.5/116

- sign 45.072+/-0.006 χ^2/NDF : 9884724.2/59

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.8/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:41.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 103.1/36

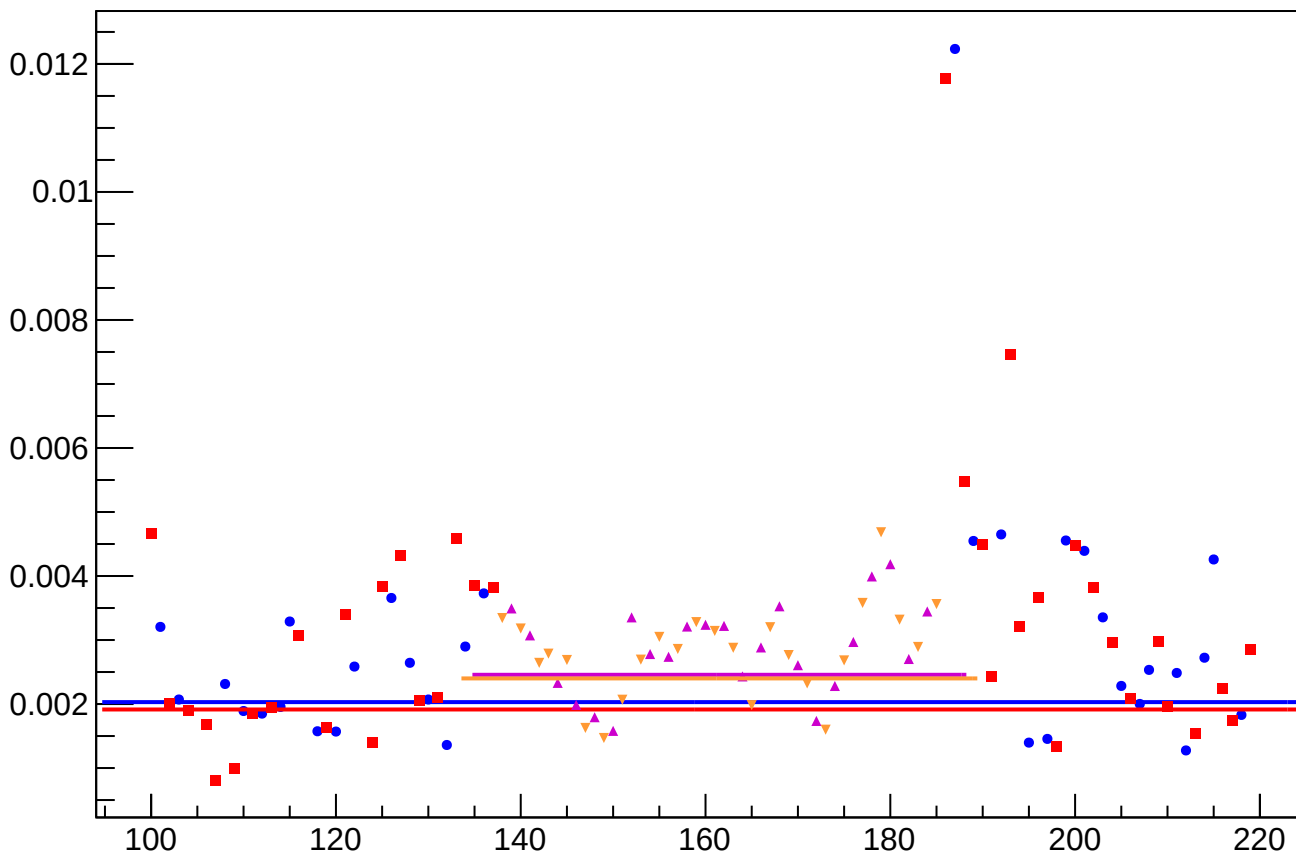
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:19.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 89.5/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 227.1/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 137.6/59

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 5386222.3/31

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3123870.1/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 8091961.3/36

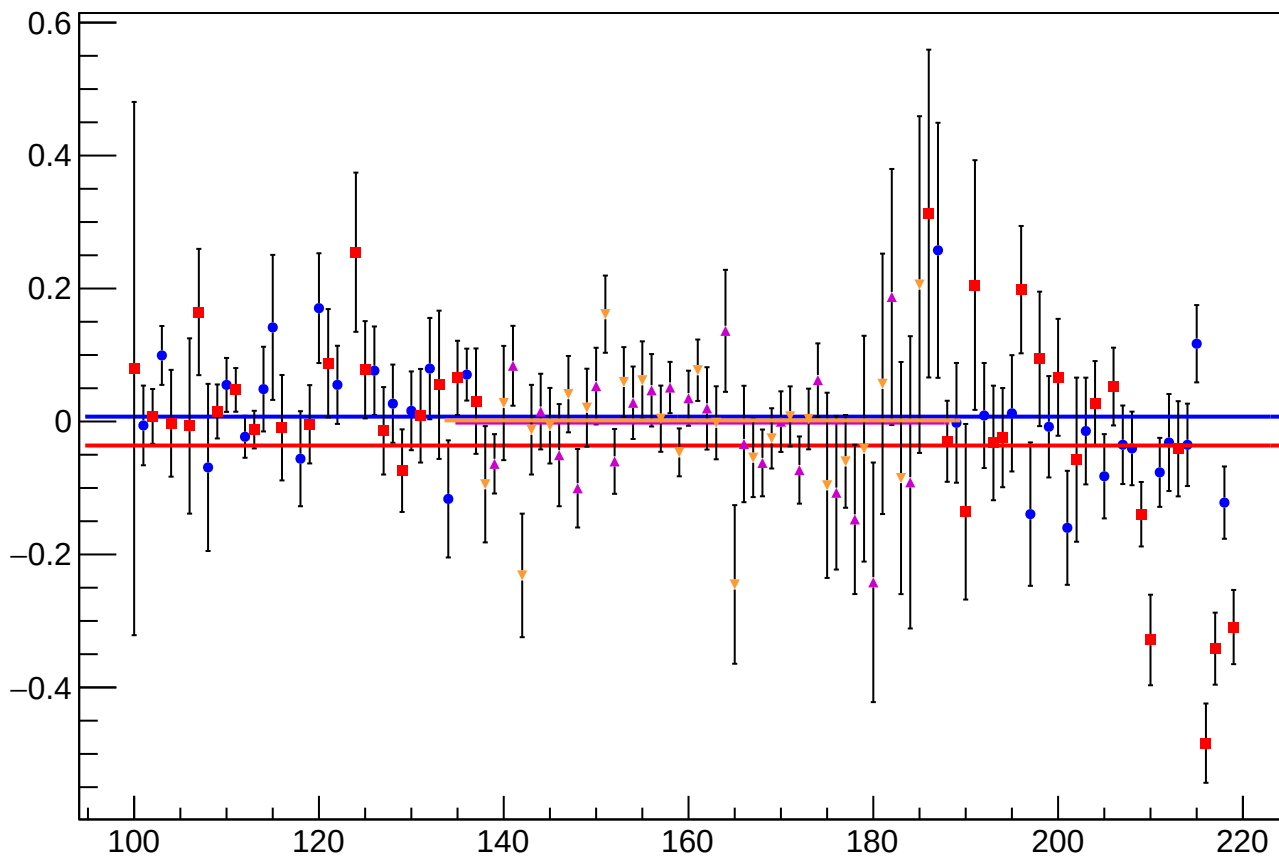
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:2629718.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8982919.2/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 20740210.5/116

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11724145.8/59

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.011 $\chi^2/\text{NDF}: 44.4/31$

Left Out: 0.002 ± 0.012 $\chi^2/\text{NDF}: 30.4/24$

Right Out: -0.036 ± 0.010 $\chi^2/\text{NDF}: 183.0/36$

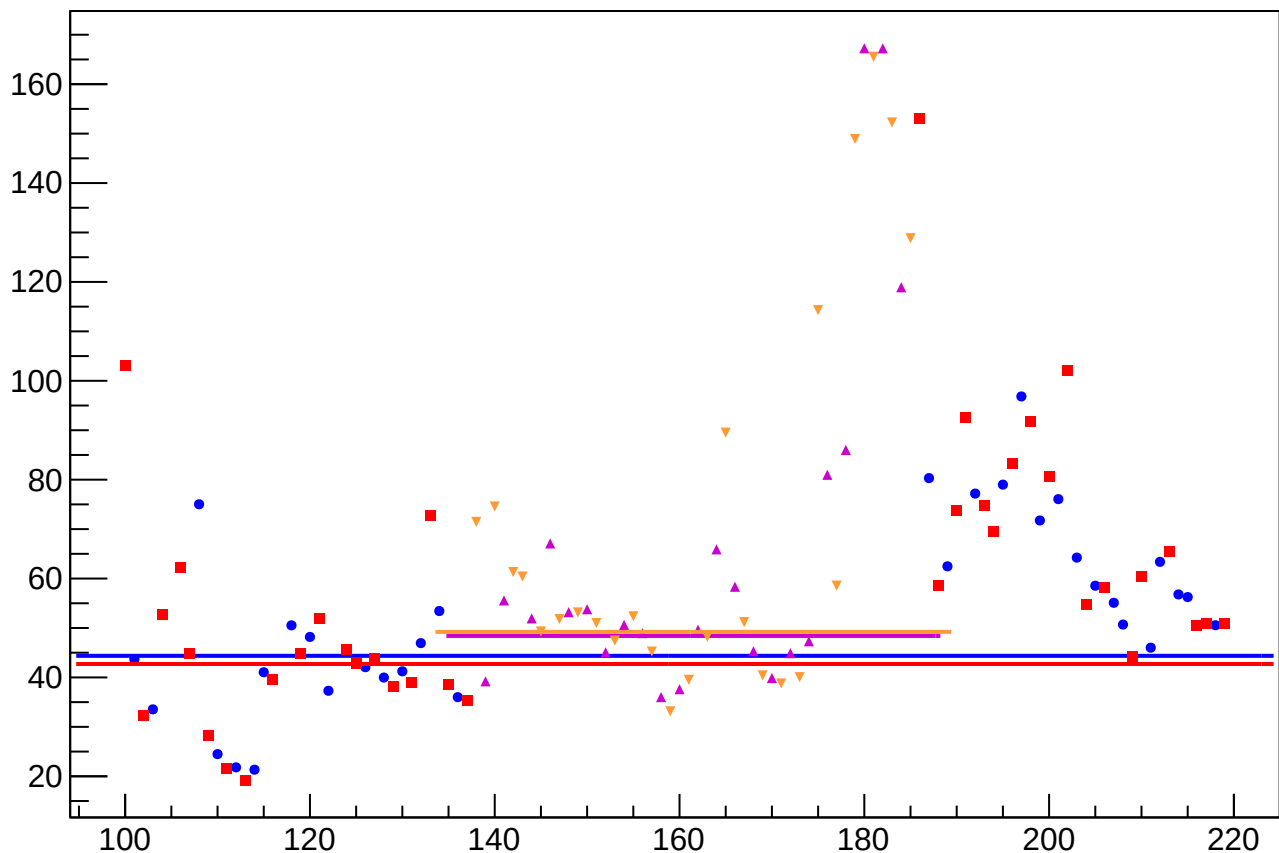
Left In: -0.002 ± 0.012 $\chi^2/\text{NDF}: 26.1/22$

+ sign 0.005 ± 0.008 $\chi^2/\text{NDF}: 74.9/56$

All: -0.009 ± 0.006 $\chi^2/\text{NDF}: 294.0/116$

- sign -0.022 ± 0.008 $\chi^2/\text{NDF}: 213.6/59$

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.369+/-0.008 χ^2/NDF : 4643730.4/31

Left Out: 49.217+/-0.009 χ^2/NDF : 4171640.8/24

Right Out: 42.717+/-0.007 χ^2/NDF : 6605073.0/36

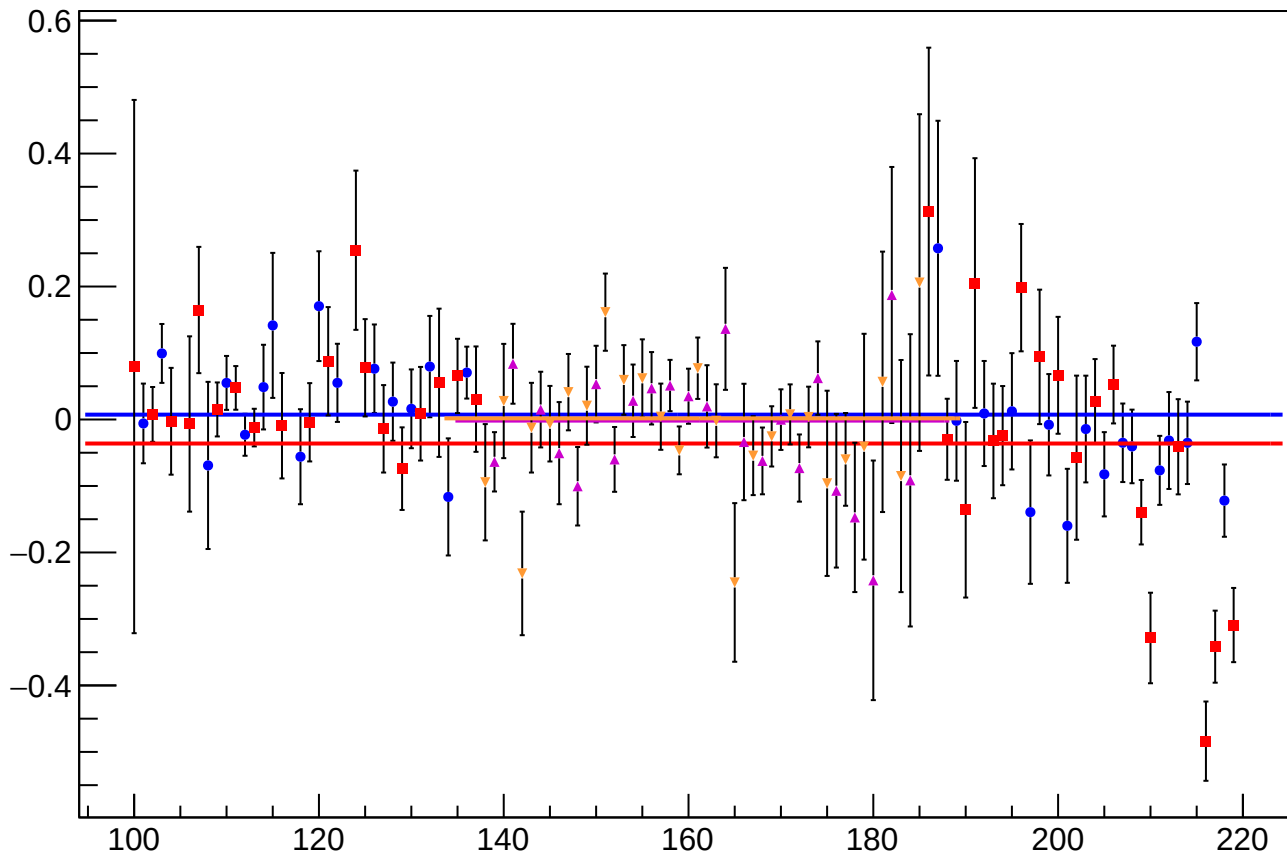
Left In: 48.393+/-0.009 χ^2/NDF : 3033208.4/22

+ sign 46.492+/-0.006 χ^2/NDF : 8990054.3/56

All: 45.767+/-0.004 χ^2/NDF : 18905709.0/116

- sign 45.073+/-0.006 χ^2/NDF : 9884593.7/59

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 $\pm$ 0.011 χ^2 /NDF: 44.4/31

Left Out: 0.002 $\pm$ 0.012 χ^2 /NDF:30.4/24

Right Out: -0.036 $\pm$ 0.010 χ^2 /NDF: 183.0/36

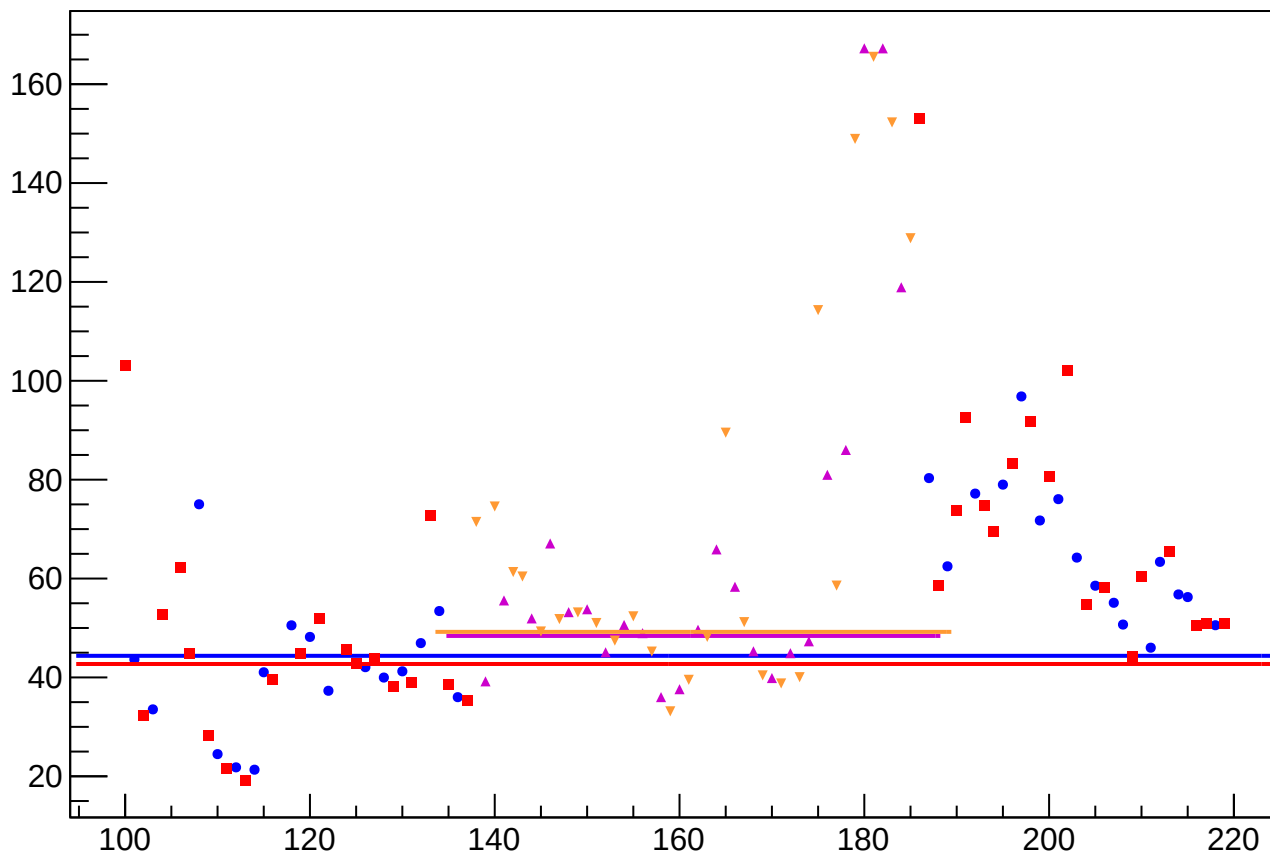
Left In: -0.002 $\pm$ 0.012 χ^2 /NDF:26.1/22

+ sign 0.005 $\pm$ 0.008 χ^2 /NDF: 74.9/56

All: -0.009 $\pm$ 0.006 χ^2 /NDF: 294.0/116

- sign -0.022 $\pm$ 0.008 χ^2 /NDF: 213.6/59

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.369 $\pm$ 0.008 χ^2 /NDF: 4643730.4/31

Left Out: 49.217 $\pm$ 0.009 χ^2 /NDF: 4171640.8/24

Right Out: 42.717 $\pm$ 0.007 χ^2 /NDF: 6605073.0/36

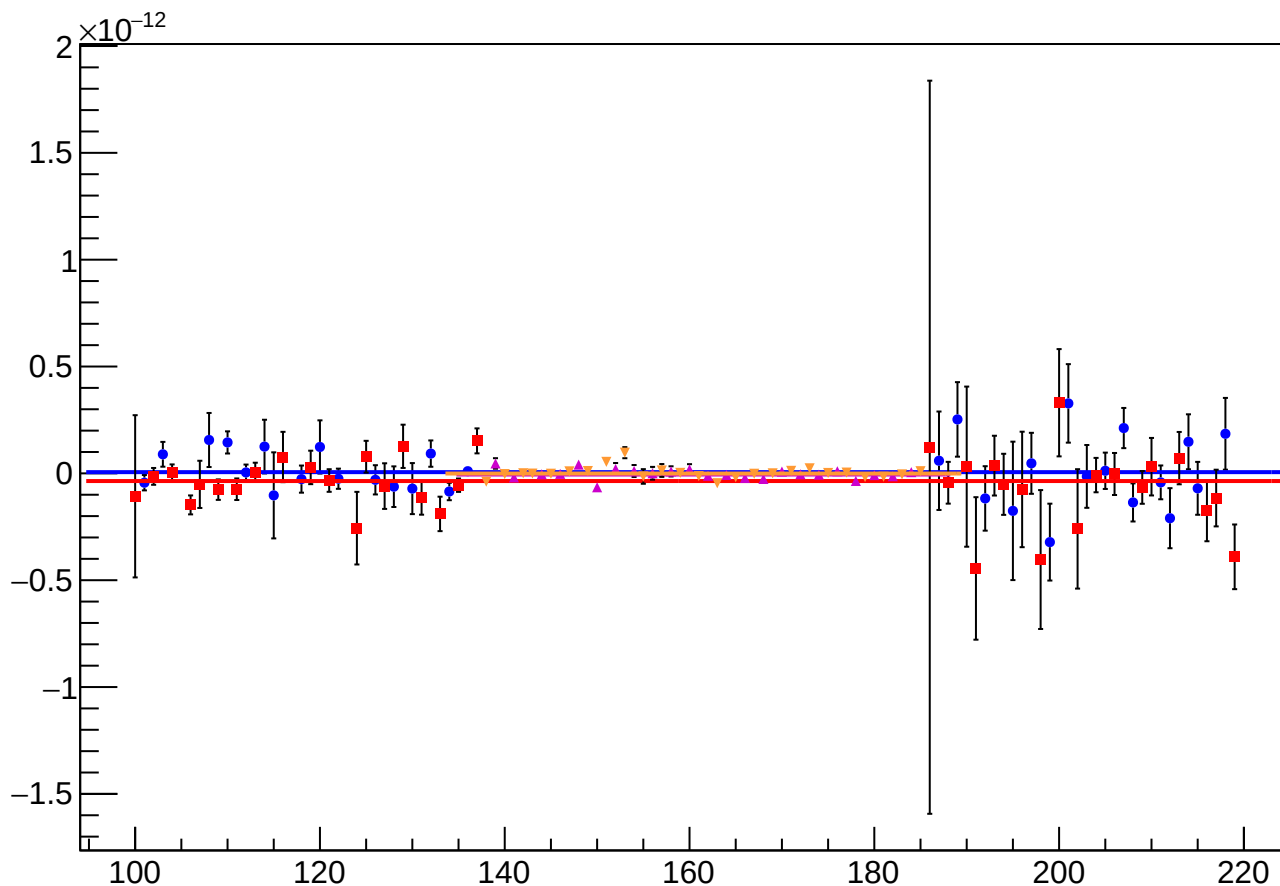
Left In: 48.393 $\pm$ 0.009 χ^2 /NDF: 3033208.4/22

+ sign 46.492 $\pm$ 0.006 χ^2 /NDF: 8990054.3/56

All: 45.767 $\pm$ 0.004 χ^2 /NDF: 18905709.0/116

- sign 45.073 $\pm$ 0.006 χ^2 /NDF: 9884593.7/59

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 45.9/31

Left Out: -0.000+/-0.000 χ^2/NDF : 37.0/24

Right Out: -0.000+/-0.000 χ^2/NDF : 47.7/36

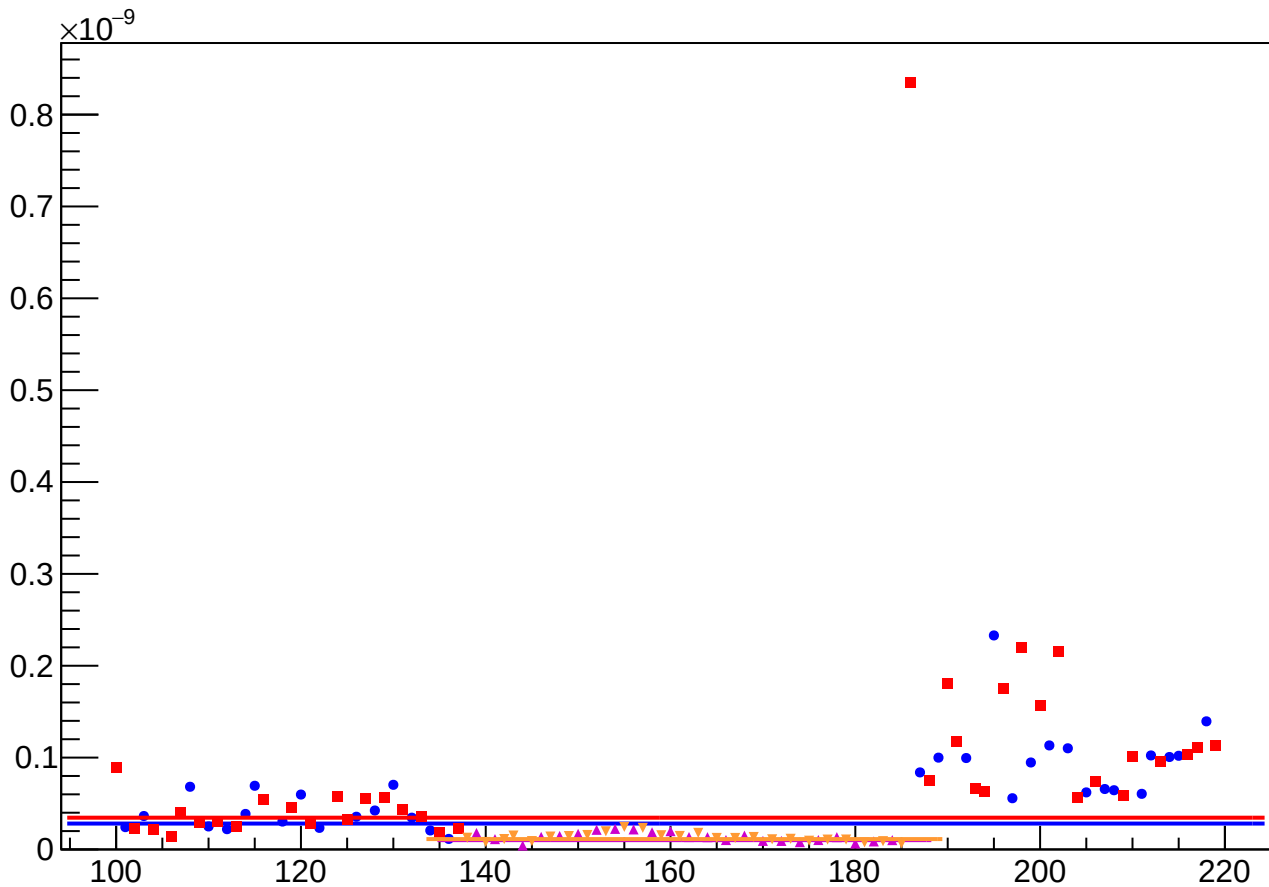
Left In: -0.000+/-0.000 χ^2/NDF : 28.4/22

+ sign -0.000+/-0.000 χ^2/NDF : 83.2/56

All: -0.000+/-0.000 χ^2/NDF : 167.9/116

- sign -0.000+/-0.000 χ^2/NDF : 82.0/59

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10024087.5/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2206266.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9231722.2/36

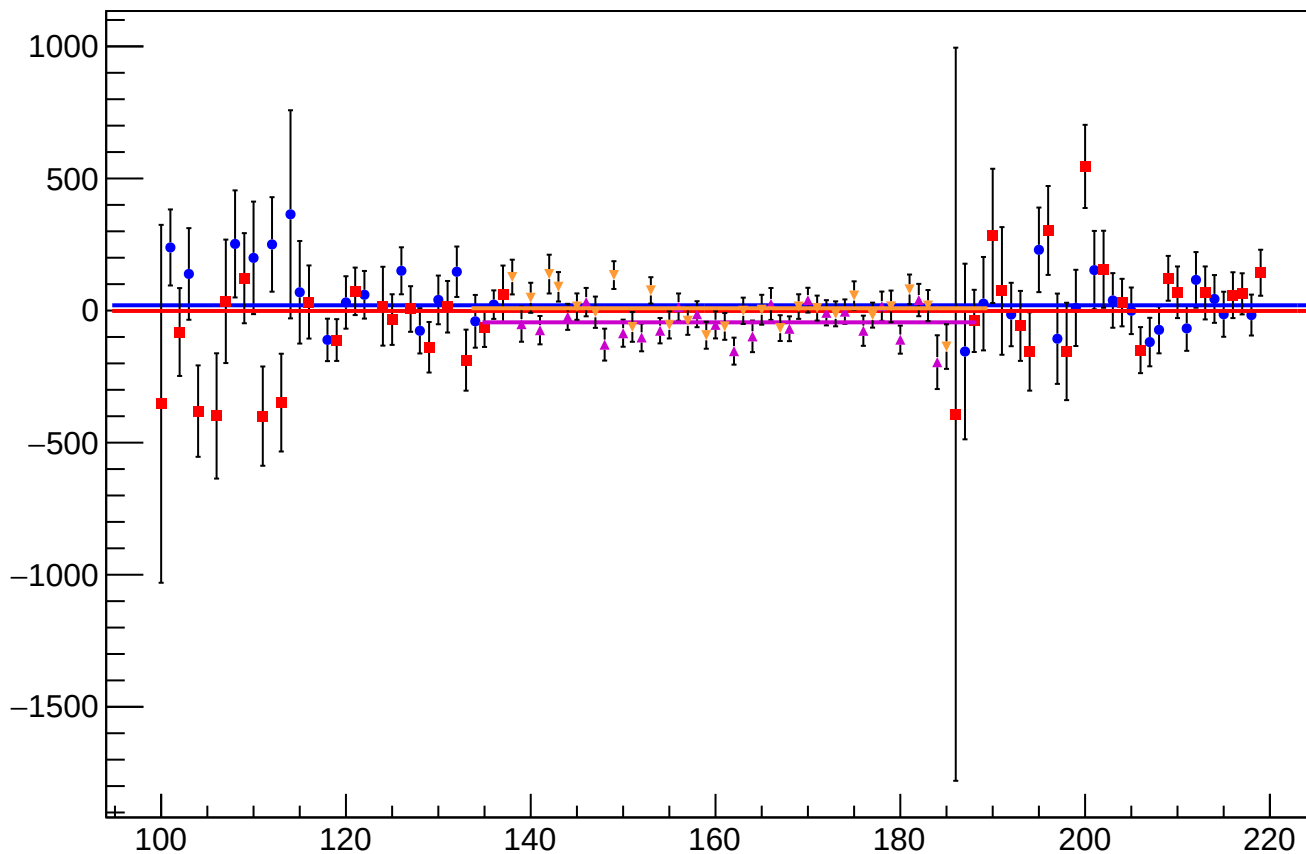
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4024430.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16760464.6/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37775212.2/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20910473.6/59

reg_asym_sam_1526_avg_mean vs Slug



Right In: 19.968 $\pm$ 18.554 χ^2 /NDF: 25.0/31

Left Out: 8.756 $\pm$ 10.770 χ^2 /NDF:34.6/24

Right Out: -1.447 $\pm$ 18.998 χ^2 /NDF: 55.3/36

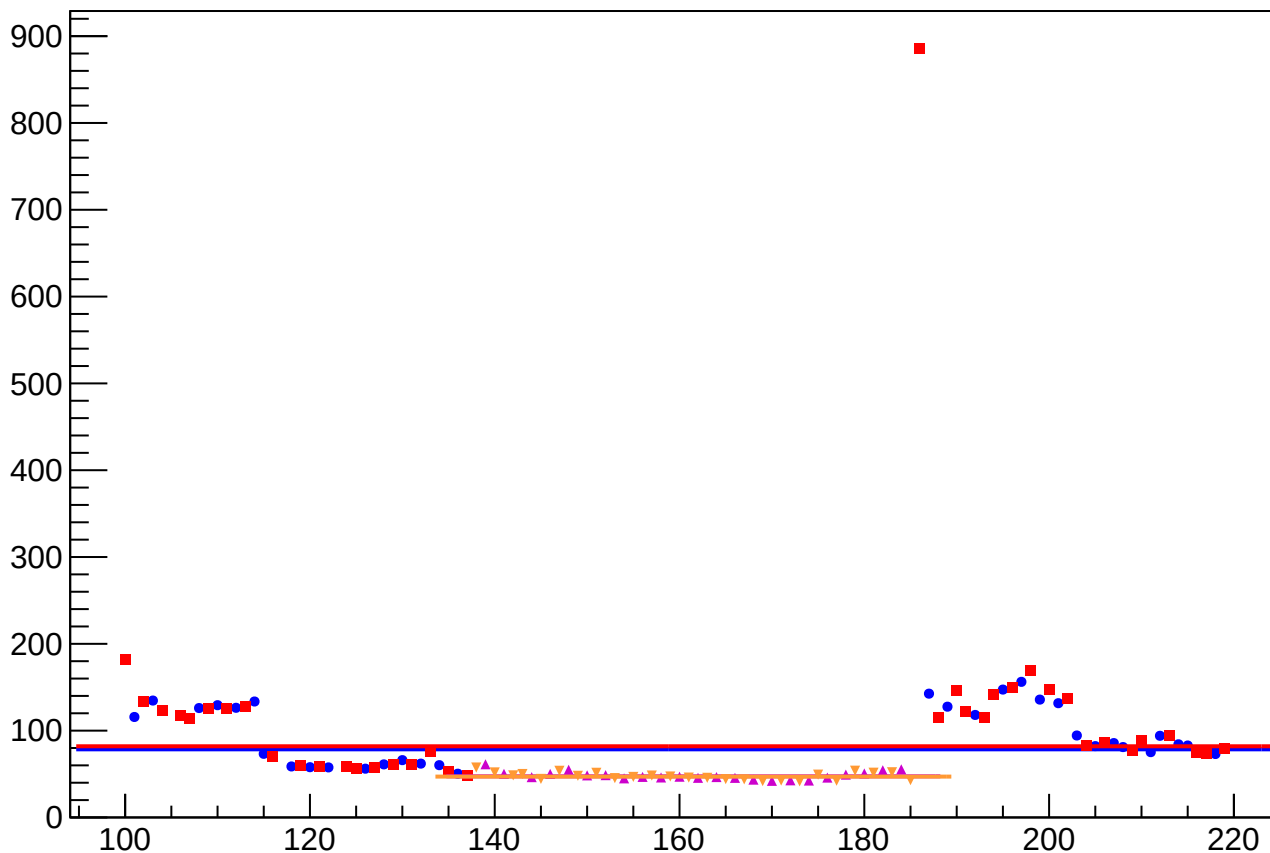
Left In: -44.541 $\pm$ 11.149 χ^2 /NDF:27.0/22

+ sign 11.581 $\pm$ 9.314 χ^2 /NDF: 59.9/56

All: -10.244 $\pm$ 6.690 χ^2 /NDF: 157.4/116

- sign -33.502 $\pm$ 9.615 χ^2 /NDF: 86.1/59

reg_asym_sam_1526_avg_rms vs Slug



Right In: 78.471 $\pm$ 0.013 χ^2 /NDF: 3912919.3/31

Left Out: 47.064 $\pm$ 0.008 χ^2 /NDF: 287590.7/24

Right Out: 81.989 $\pm$ 0.013 χ^2 /NDF: 5072428.3/36

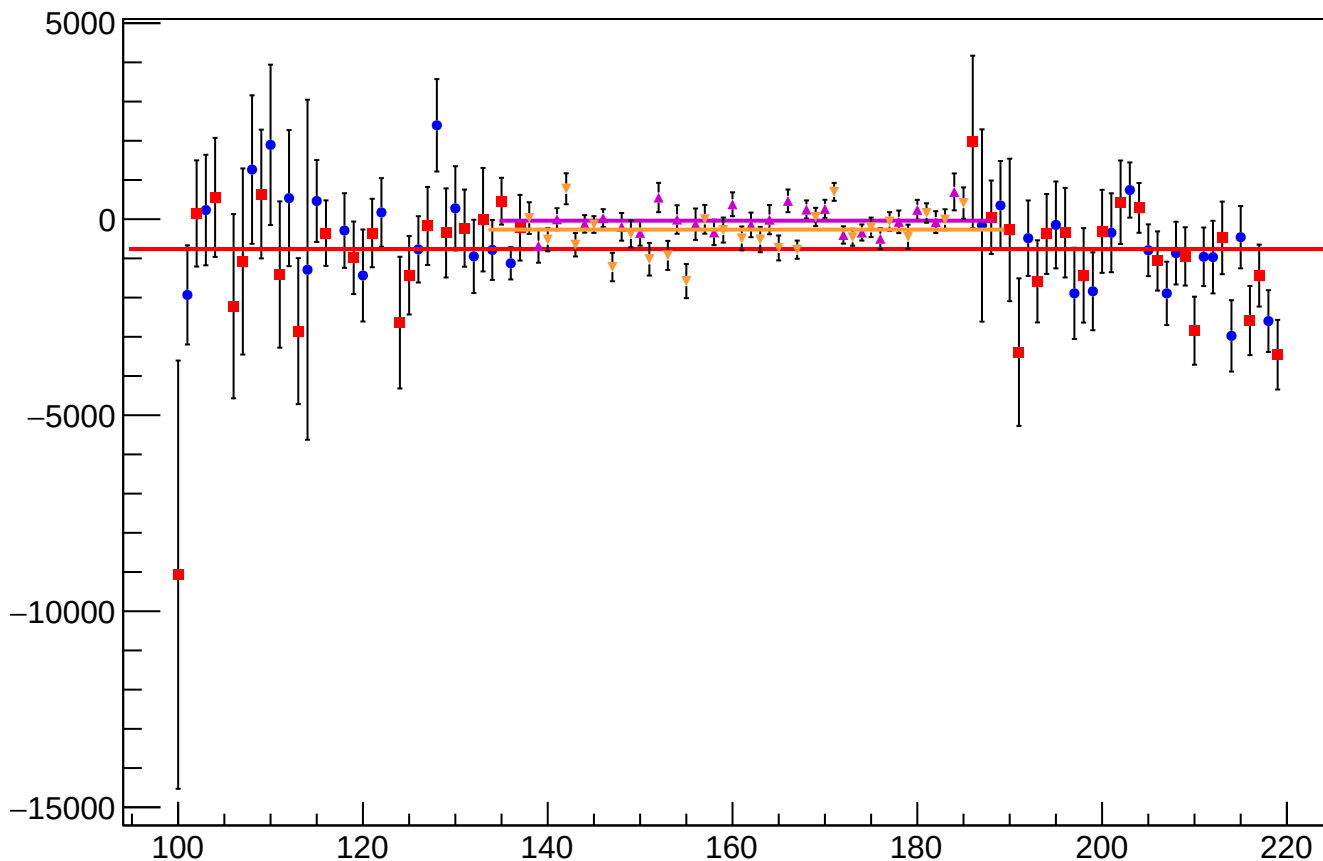
Left In: 47.384 $\pm$ 0.008 χ^2 /NDF: 271036.5/22

+ sign 54.979 $\pm$ 0.007 χ^2 /NDF: 8486980.3/56

All: 55.593 $\pm$ 0.005 χ^2 /NDF: 18784651.6/116

- sign 56.248 $\pm$ 0.007 χ^2 /NDF: 10279689.7/59

asym_sam_1526_avg_reg_correction_mean vs Slug



Right In: -759.192 ± 161.880 χ^2/NDF : 38.7/31

Left Out: -265.684 ± 58.031 χ^2/NDF : 69.8/24

Right Out: -759.249 ± 169.195 χ^2/NDF : 44.0/36

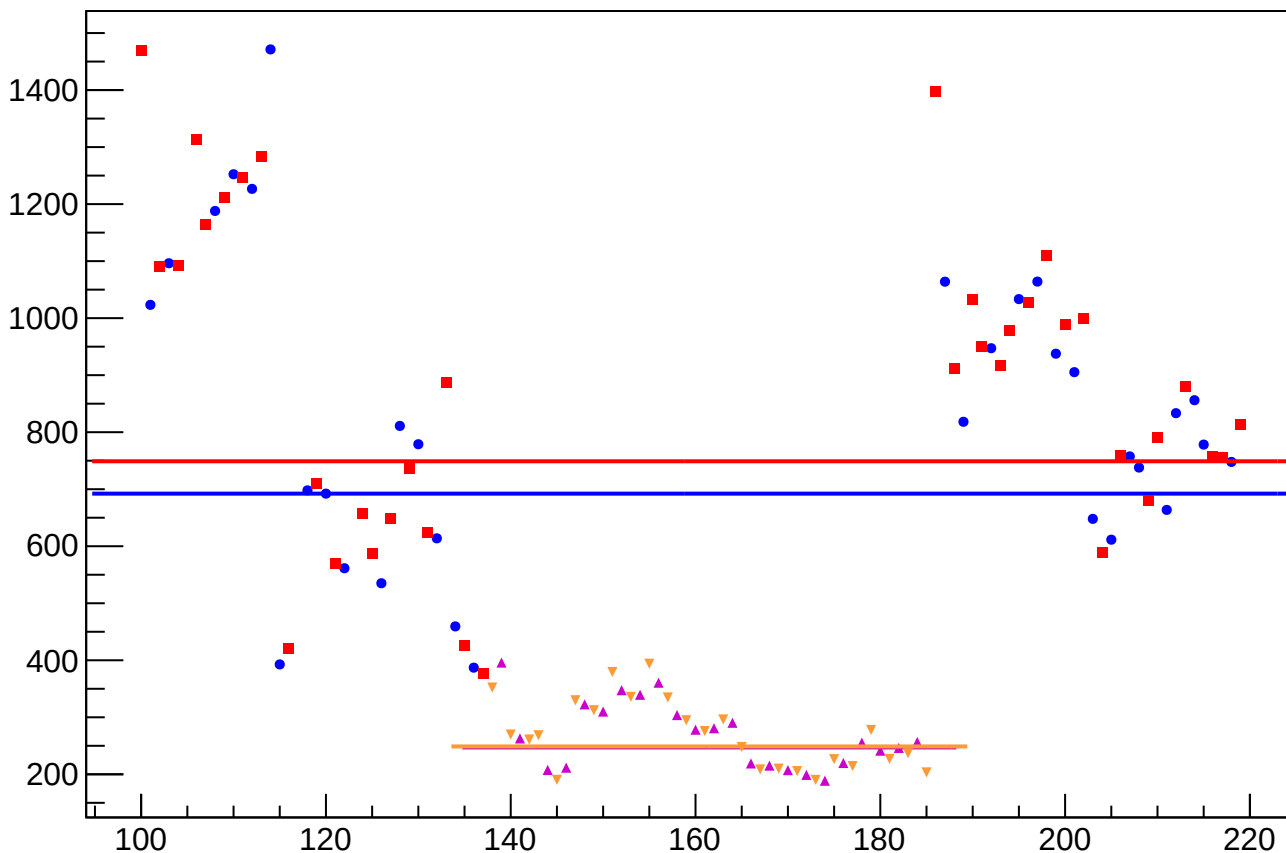
Left In: -37.530 ± 59.159 χ^2/NDF : 26.6/22

+ sign -321.883 ± 54.627 χ^2/NDF : 116.7/56

All: -221.284 ± 39.050 χ^2/NDF : 210.4/116

- sign -116.152 ± 55.844 χ^2/NDF : 86.8/59

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 692.244 ± 0.114 χ^2/NDF : 3472548.6/31

Left Out: 248.891 ± 0.041 χ^2/NDF : 1663709.5/24

Right Out: 748.997 ± 0.120 χ^2/NDF : 3588043.1/36

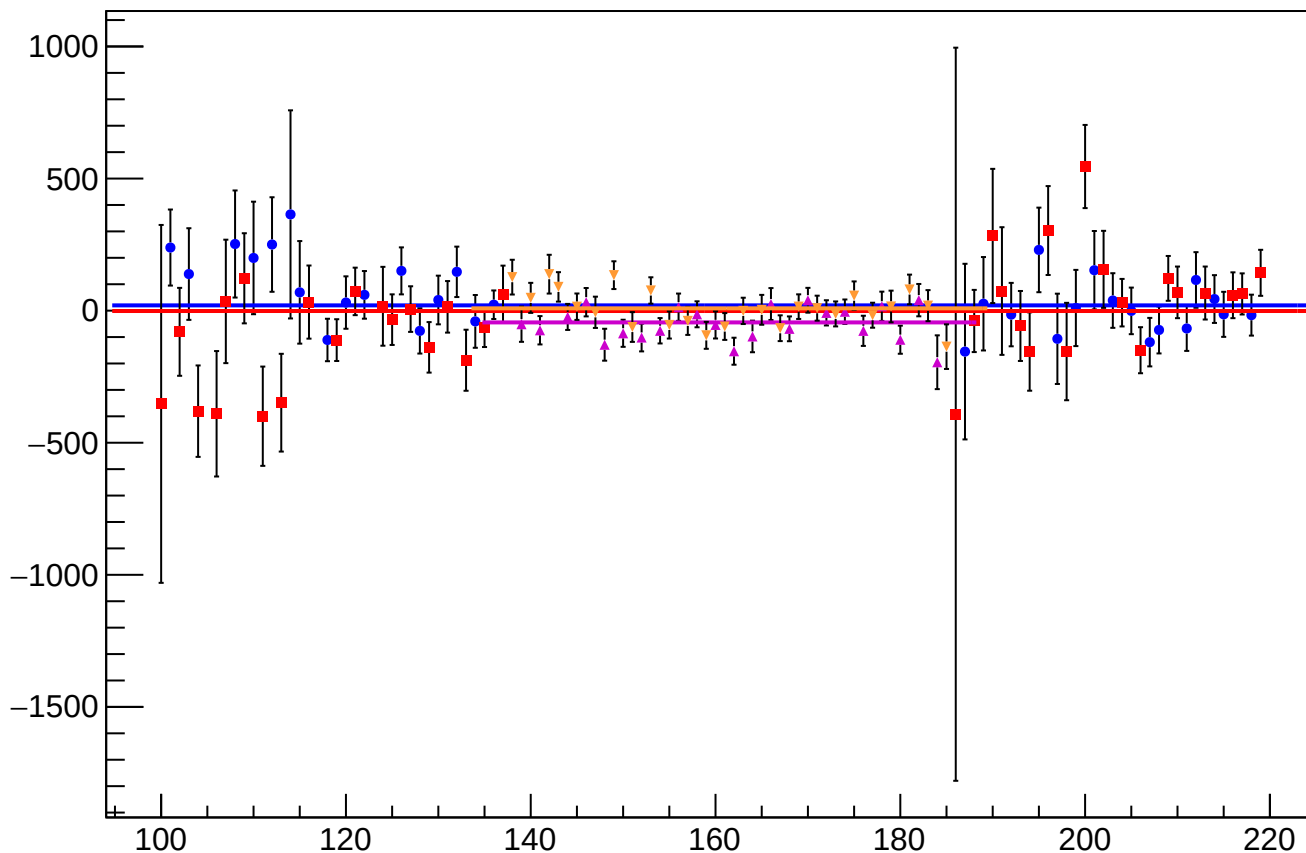
Left In: 247.109 ± 0.042 χ^2/NDF : 1484450.6/22

+ sign 299.378 ± 0.039 χ^2/NDF : 18429748.8/56

All: 300.555 ± 0.028 χ^2/NDF : 39185242.1/11

- sign 301.784 ± 0.039 χ^2/NDF : 20753596.5/59

cor_asym_sam_1526_avg_mean vs Slug



Right In: 19.962 $\pm$ 18.554 χ^2 /NDF: 25.0/31

Left Out: 8.758 $\pm$ 10.770 χ^2 /NDF: 34.6/24

Right Out: -1.372 $\pm$ 18.998 χ^2 /NDF: 55.2/36

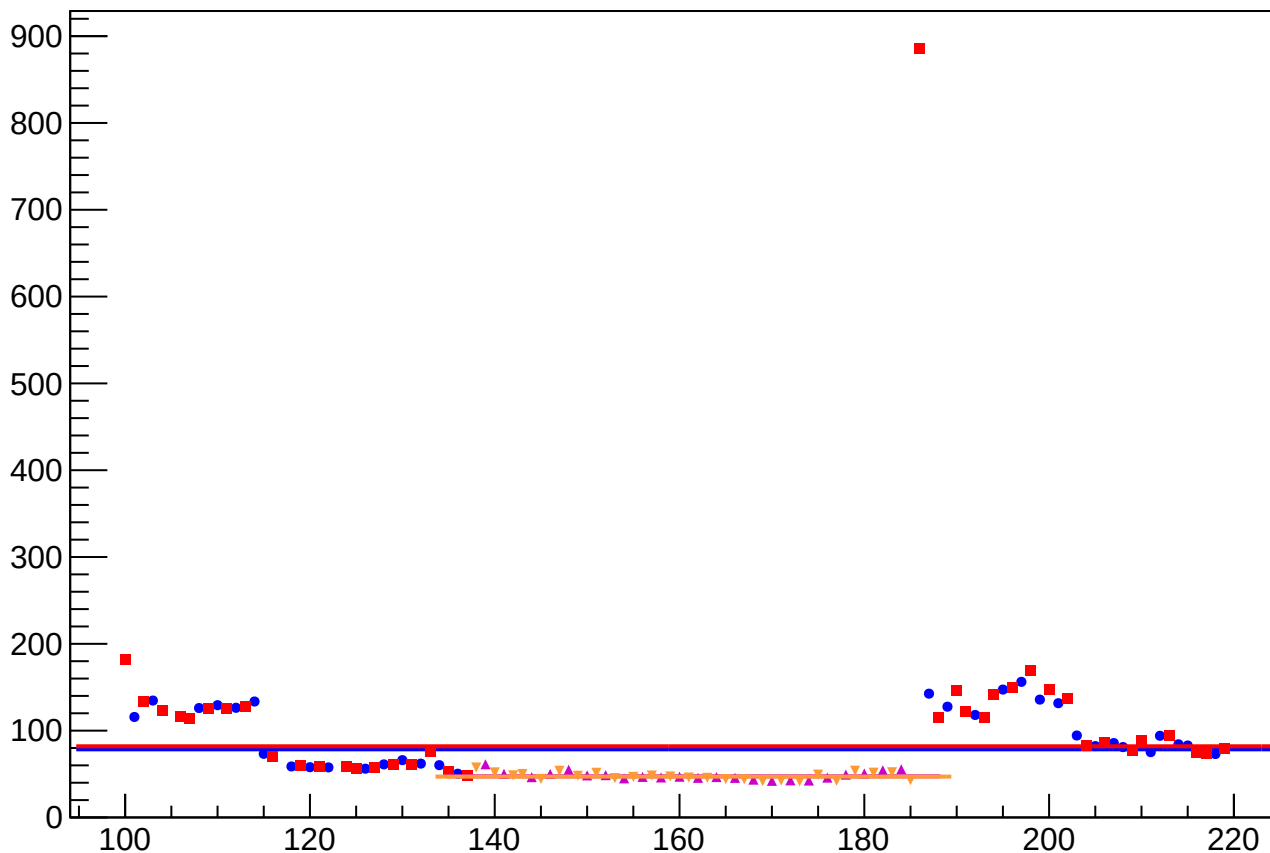
Left In: -44.540 $\pm$ 11.149 χ^2 /NDF: 27.0/22

+ sign 11.581 $\pm$ 9.314 χ^2 /NDF: 59.9/56

All: -10.234 $\pm$ 6.690 χ^2 /NDF: 157.3/116

- sign -33.482 $\pm$ 9.615 χ^2 /NDF: 86.0/59

cor_asym_sam_1526_avg_rms vs Slug



Right In: 78.471 $\pm$ 0.013 χ^2 /NDF: 3912921.6/31

Left Out: 47.064 $\pm$ 0.008 χ^2 /NDF: 287590.7/24

Right Out: 81.982 $\pm$ 0.013 χ^2 /NDF: 5070121.1/36

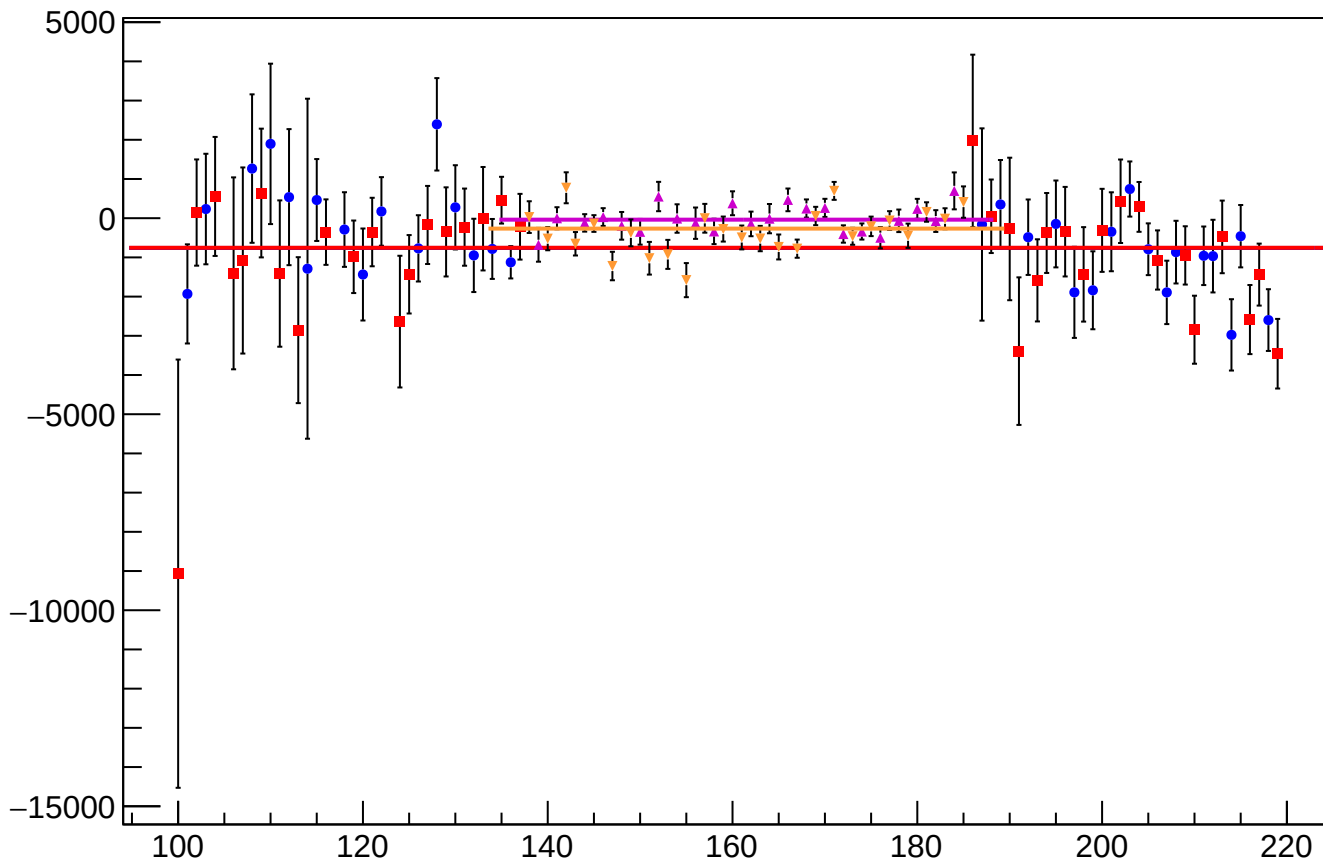
Left In: 47.384 $\pm$ 0.008 χ^2 /NDF: 271036.5/22

+ sign 54.979 $\pm$ 0.007 χ^2 /NDF: 8486982.4/56

All: 55.592 $\pm$ 0.005 χ^2 /NDF: 18780243.1/116

- sign 56.246 $\pm$ 0.007 χ^2 /NDF: 10275334.0/59

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -759.186 ± 161.880 χ^2/NDF : 38.7/31

Left Out: -265.680 ± 58.031 χ^2/NDF : 69.8/24

Right Out: -754.821 ± 169.231 χ^2/NDF : 43.6/36

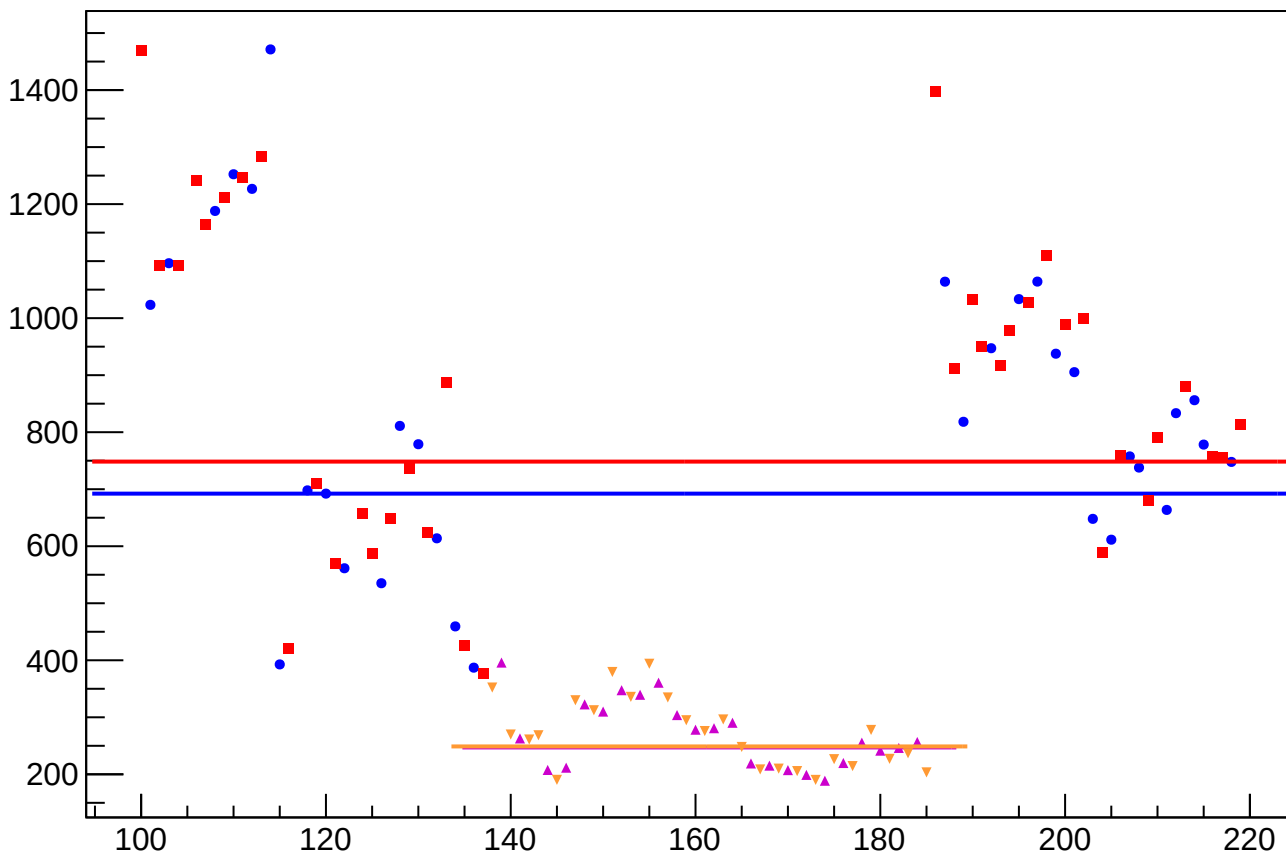
Left In: -37.527 ± 59.159 χ^2/NDF : 26.6/22

+ sign -321.878 ± 54.627 χ^2/NDF : 116.7/56

All: -221.032 ± 39.051 χ^2/NDF : 209.9/116

- sign -115.637 ± 55.846 χ^2/NDF : 86.3/59

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 692.244+/-0.114 χ^2/NDF : 3472588.6/31

Left Out: 248.891+/-0.041 χ^2/NDF :1663717.9/24

Right Out: 748.428+/-0.120 χ^2/NDF : 3553984.8/36

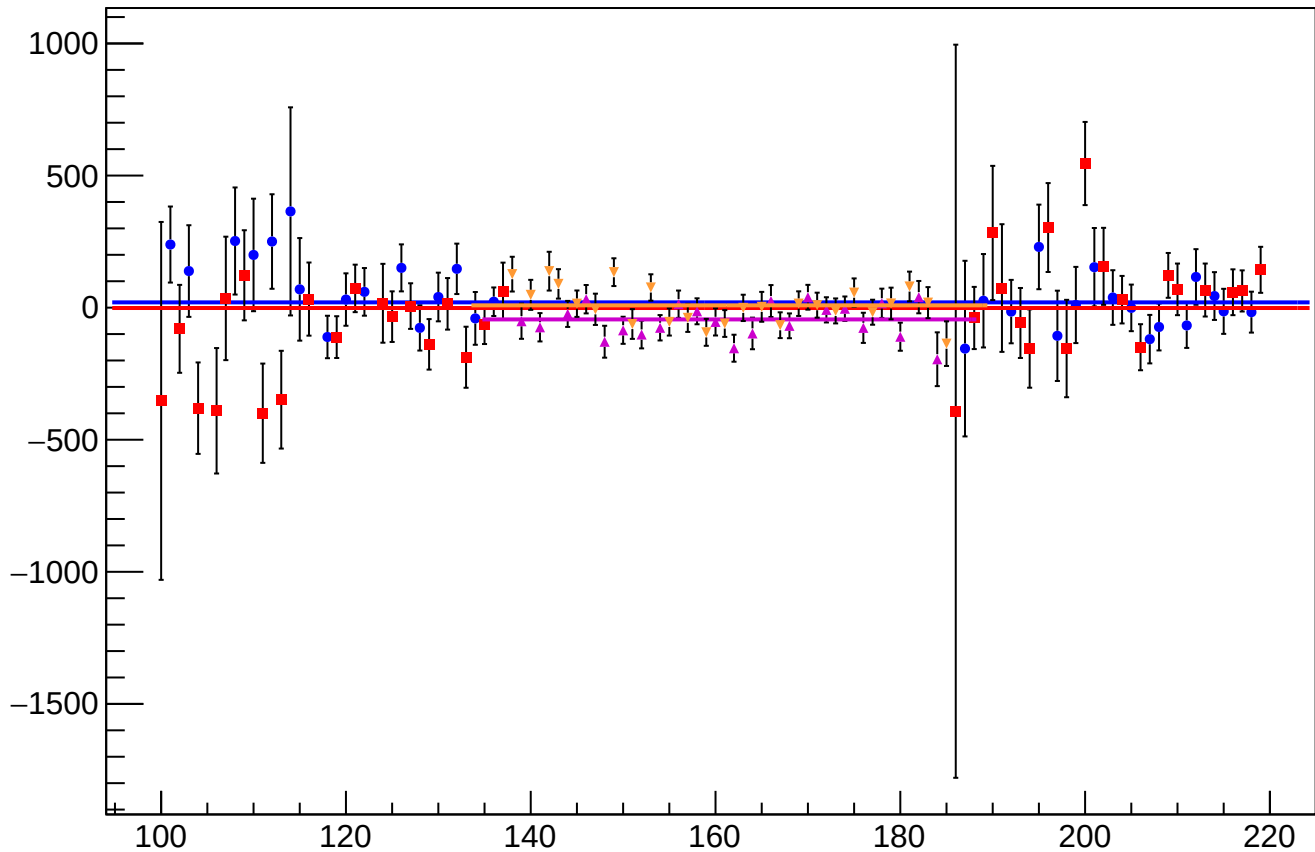
Left In: 247.109+/-0.042 χ^2/NDF :1484445.1/22

+ sign 299.378+/-0.039 χ^2/NDF : 18429794.4/56

All: 300.514+/-0.028 χ^2/NDF : 39109534.9/1

- sign 301.701+/-0.039 χ^2/NDF : 20677971.7/59

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 19.962 $\pm$ 18.554 χ^2 /NDF: 25.0/31

Left Out: 8.758 $\pm$ 10.770 χ^2 /NDF:34.6/24

Right Out: -1.372 $\pm$ 18.998 χ^2 /NDF: 55.2/36

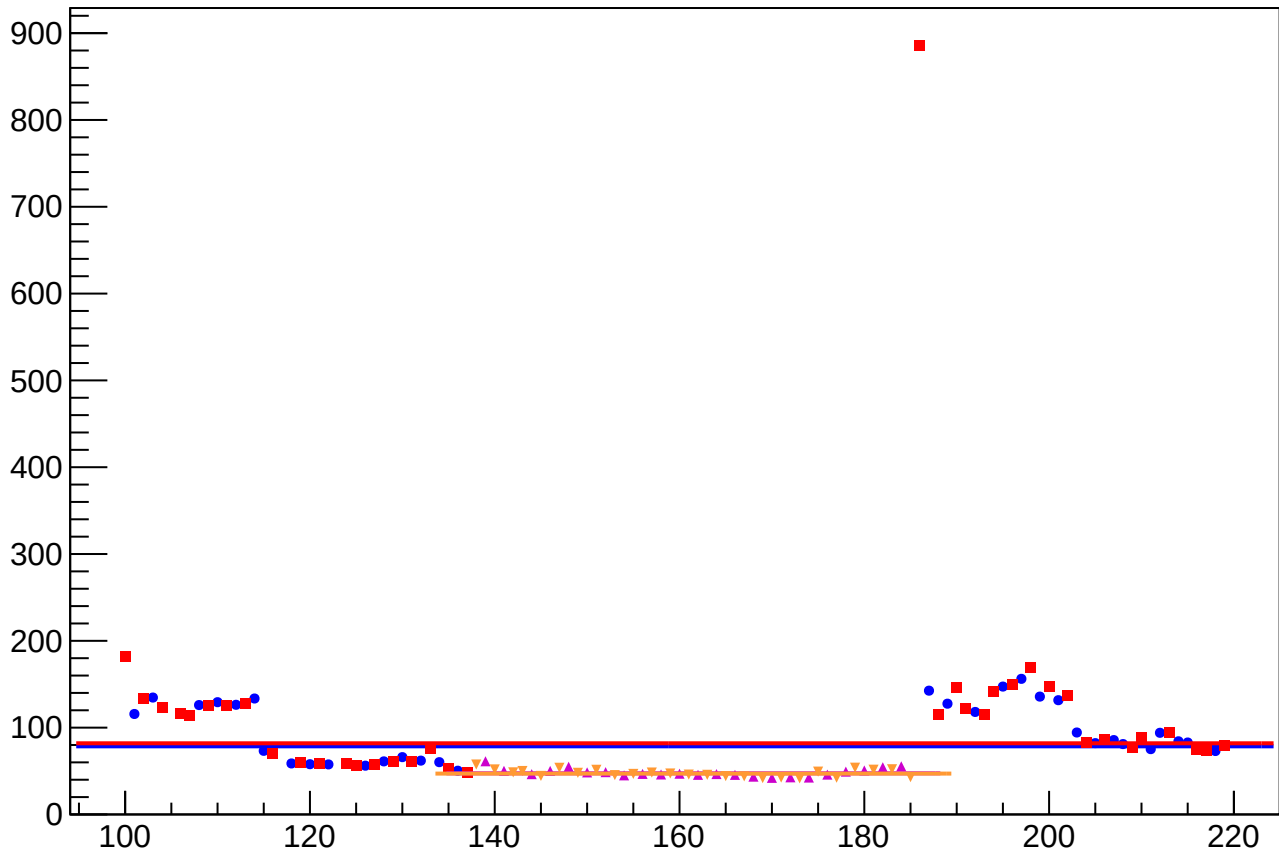
Left In: -44.540 $\pm$ 11.149 χ^2 /NDF:27.0/22

+ sign 11.581 $\pm$ 9.314 χ^2 /NDF: 59.9/56

All: -10.234 $\pm$ 6.690 χ^2 /NDF: 157.3/116

- sign -33.482 $\pm$ 9.615 χ^2 /NDF: 86.0/59

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 78.471 $\pm$ 0.013 χ^2 /NDF: 3912921.6/31

Left Out: 47.064 $\pm$ 0.008 χ^2 /NDF: 287590.7/24

Right Out: 81.982 $\pm$ 0.013 χ^2 /NDF: 5070121.1/36

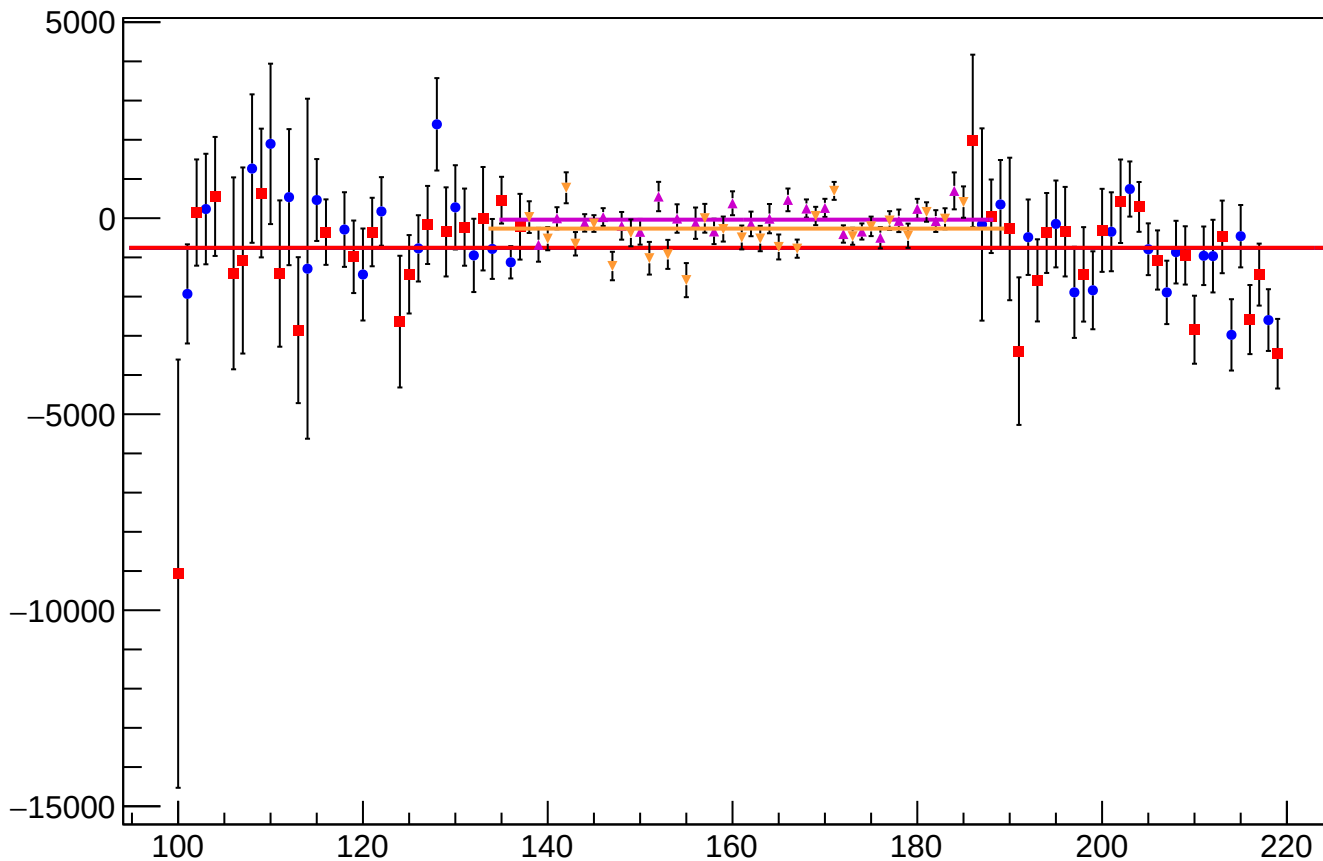
Left In: 47.384 $\pm$ 0.008 χ^2 /NDF: 271036.5/22

+ sign 54.979 $\pm$ 0.007 χ^2 /NDF: 8486982.4/56

All: 55.592 $\pm$ 0.005 χ^2 /NDF: 18780243.1/116

- sign 56.246 $\pm$ 0.007 χ^2 /NDF: 10275334.0/59

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug



Right In: -759.186 ± 161.880 χ^2/NDF : 38.7/31

Left Out: -265.680 ± 58.031 χ^2/NDF : 69.8/24

Right Out: -754.821 ± 169.231 χ^2/NDF : 43.6/36

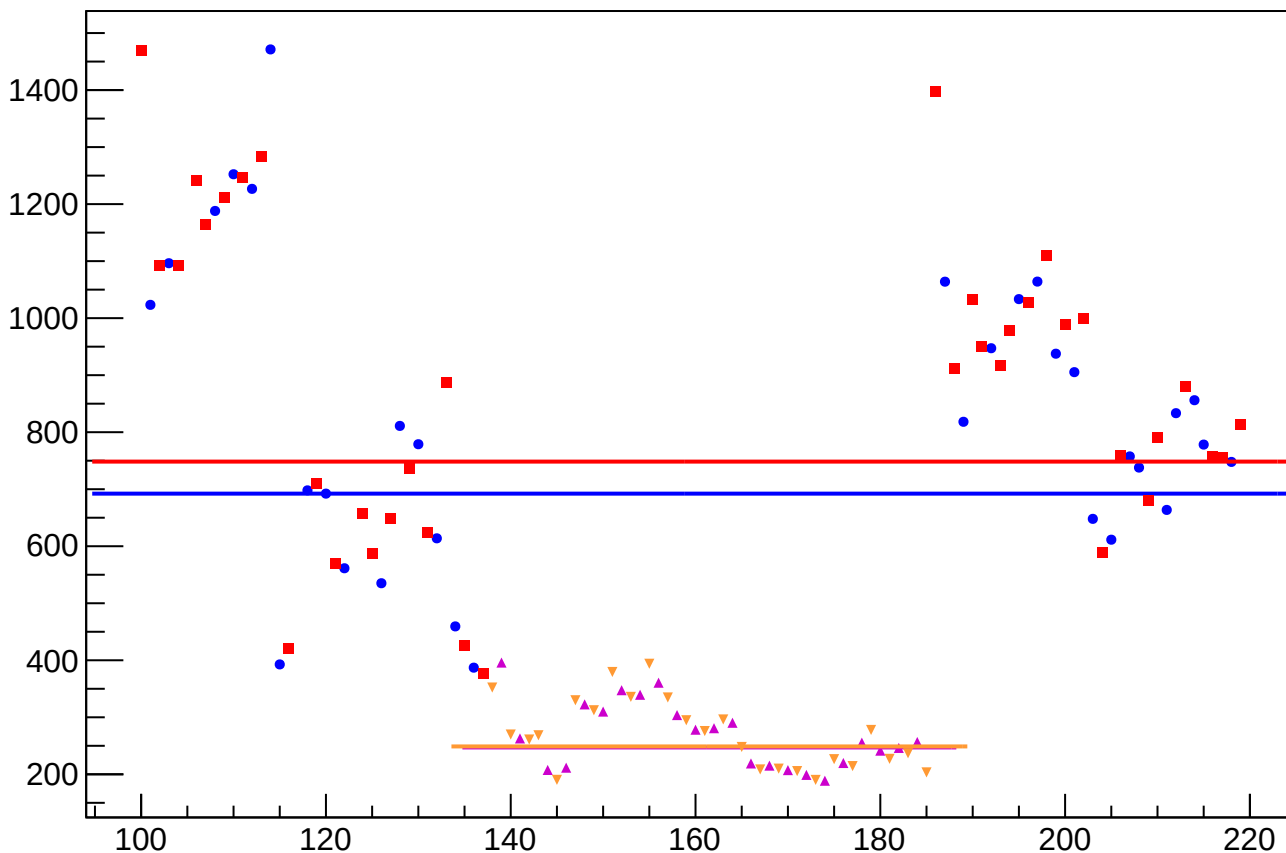
Left In: -37.527 ± 59.159 χ^2/NDF : 26.6/22

+ sign -321.878 ± 54.627 χ^2/NDF : 116.7/56

All: -221.032 ± 39.051 χ^2/NDF : 209.9/116

- sign -115.637 ± 55.846 χ^2/NDF : 86.3/59

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug



Right In: 692.244+/-0.114 χ^2/NDF : 3472588.6/31

Left Out: 248.891+/-0.041 χ^2/NDF :1663717.9/24

Right Out: 748.428+/-0.120 χ^2/NDF : 3553984.8/36

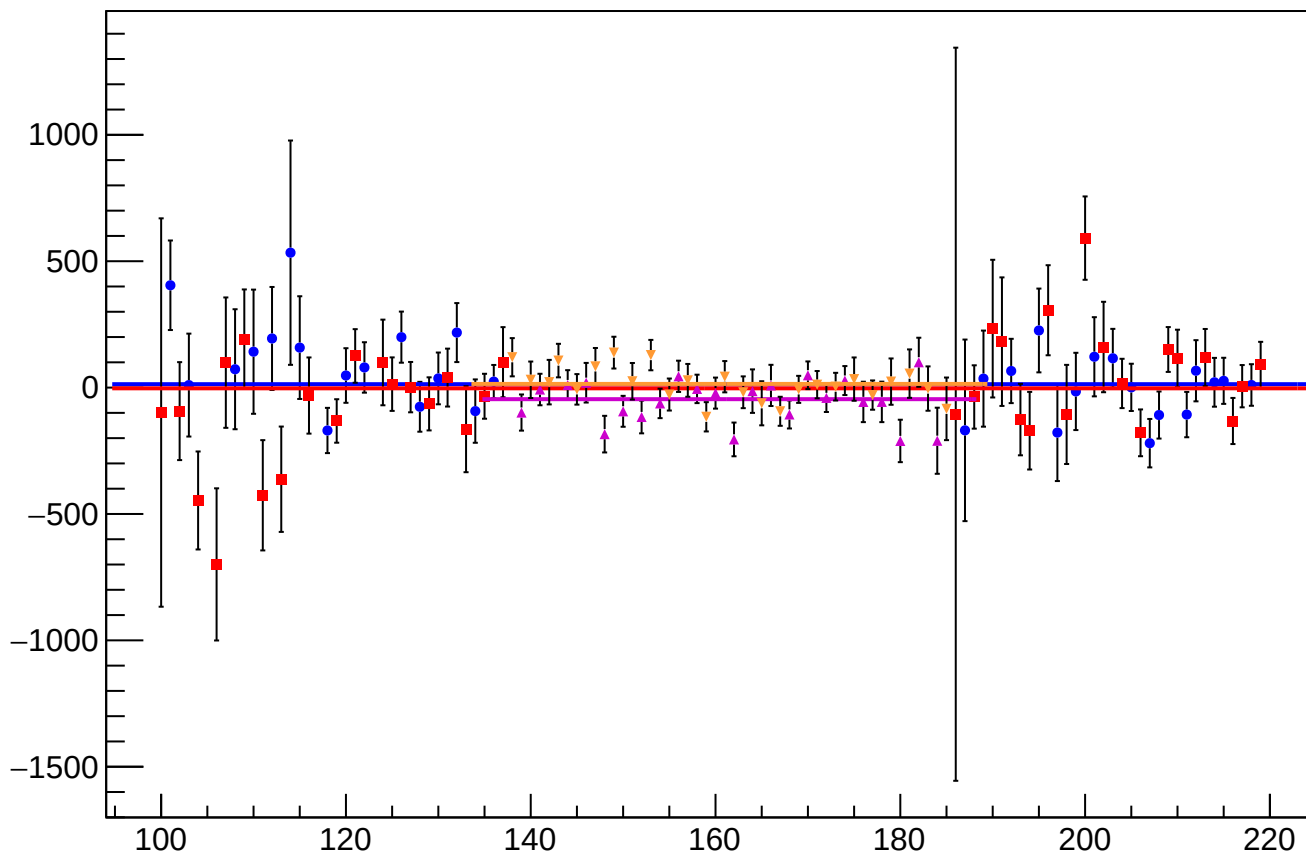
Left In: 247.109+/-0.042 χ^2/NDF :1484445.1/22

+ sign 299.378+/-0.039 χ^2/NDF : 18429794.4/56

All: 300.514+/-0.028 χ^2/NDF : 39109534.9/1

- sign 301.701+/-0.039 χ^2/NDF : 20677971.7/59

dit_asym_sam_1526_avg_mean vs Slug



Right In: 13.469+/-20.659 χ^2/NDF : 34.7/31

Left Out: 14.498+/-13.454 χ^2/NDF : 24.5/24

Right Out: -2.903+/-21.213 χ^2/NDF : 57.3/36

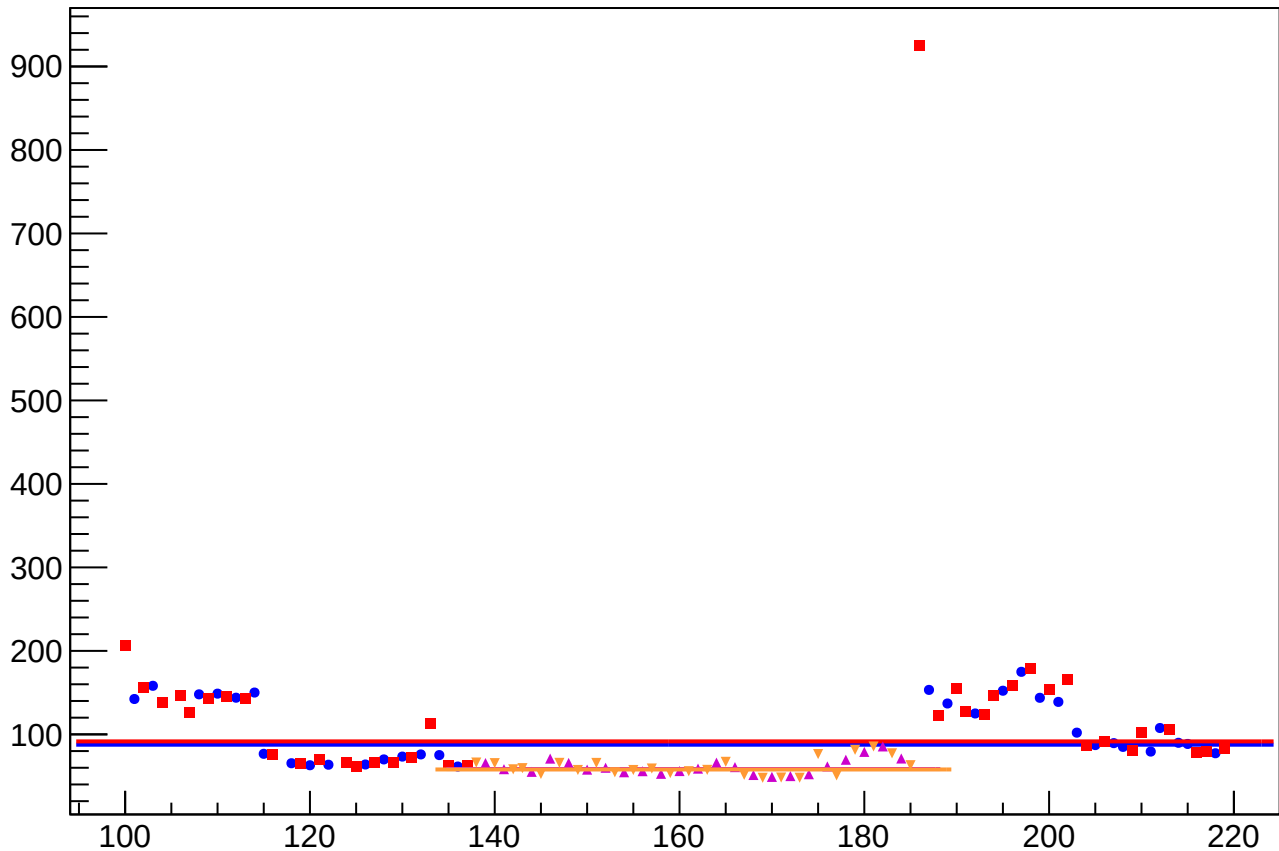
Left In: -45.806+/-13.931 χ^2/NDF : 30.7/22

+ sign 14.192+/-11.274 χ^2/NDF : 59.3/56

All: -8.583+/-8.100 χ^2/NDF : 158.6/116

- sign -32.878+/-11.645 χ^2/NDF : 90.9/59

dit_asym_sam_1526_avg_rms vs Slug



Right In: 87.627 $\pm$ 0.015 χ^2 /NDF: 3506524.6/31

Left Out: 57.965 $\pm$ 0.010 χ^2 /NDF: 896947.4/24

Right Out: 91.596 $\pm$ 0.015 χ^2 /NDF: 4757846.4/36

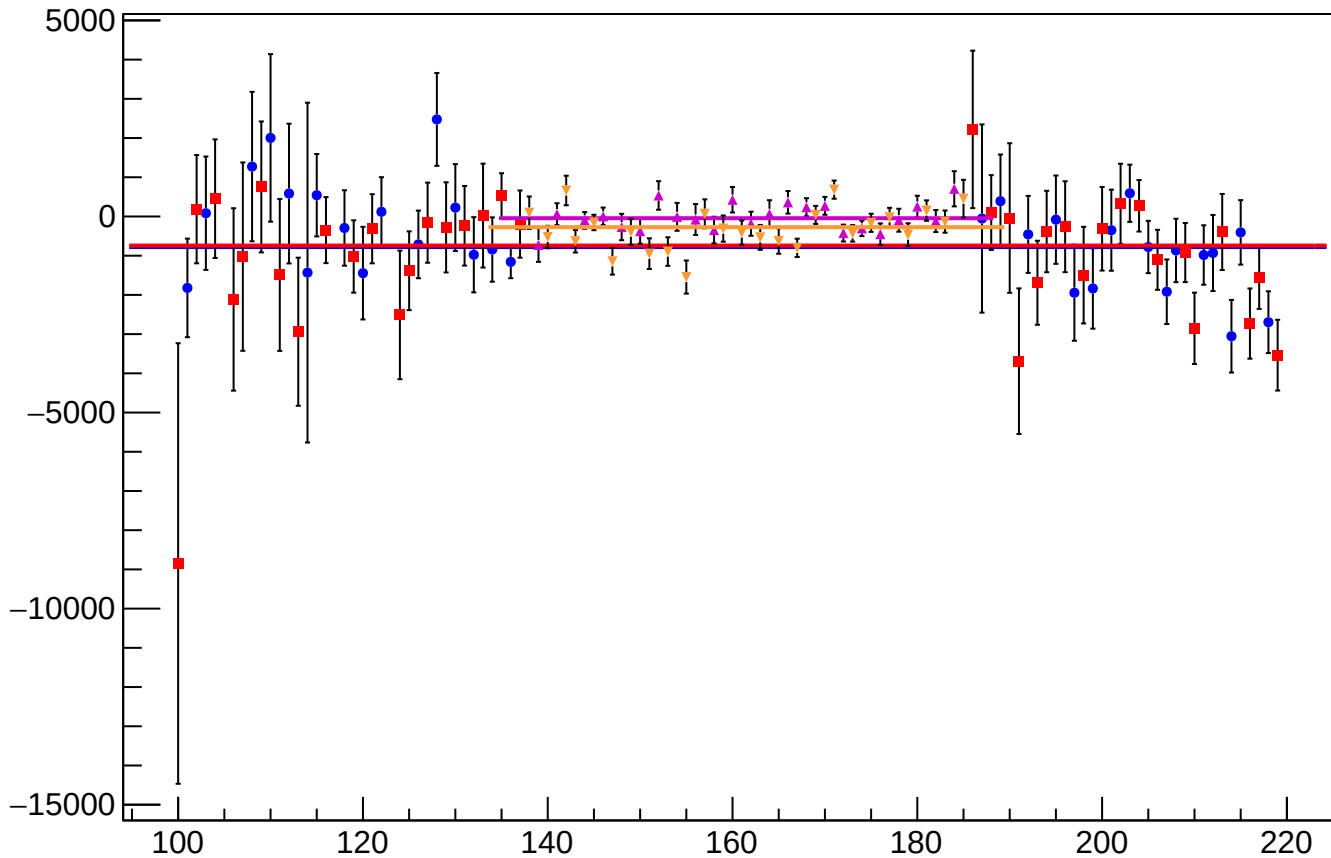
Left In: 58.479 $\pm$ 0.010 χ^2 /NDF: 649919.9/22

+ sign 66.799 $\pm$ 0.008 χ^2 /NDF: 7298595.4/56

All: 67.602 $\pm$ 0.006 χ^2 /NDF: 16132917.1/116

- sign 68.458 $\pm$ 0.008 χ^2 /NDF: 8813369.0/59

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -779.779 ± 165.235 χ^2/NDF : 38.4/31

Left Out: -272.513 ± 57.274 χ^2/NDF : 65.8/24

Right Out: -741.427 ± 171.008 χ^2/NDF : 46.4/36

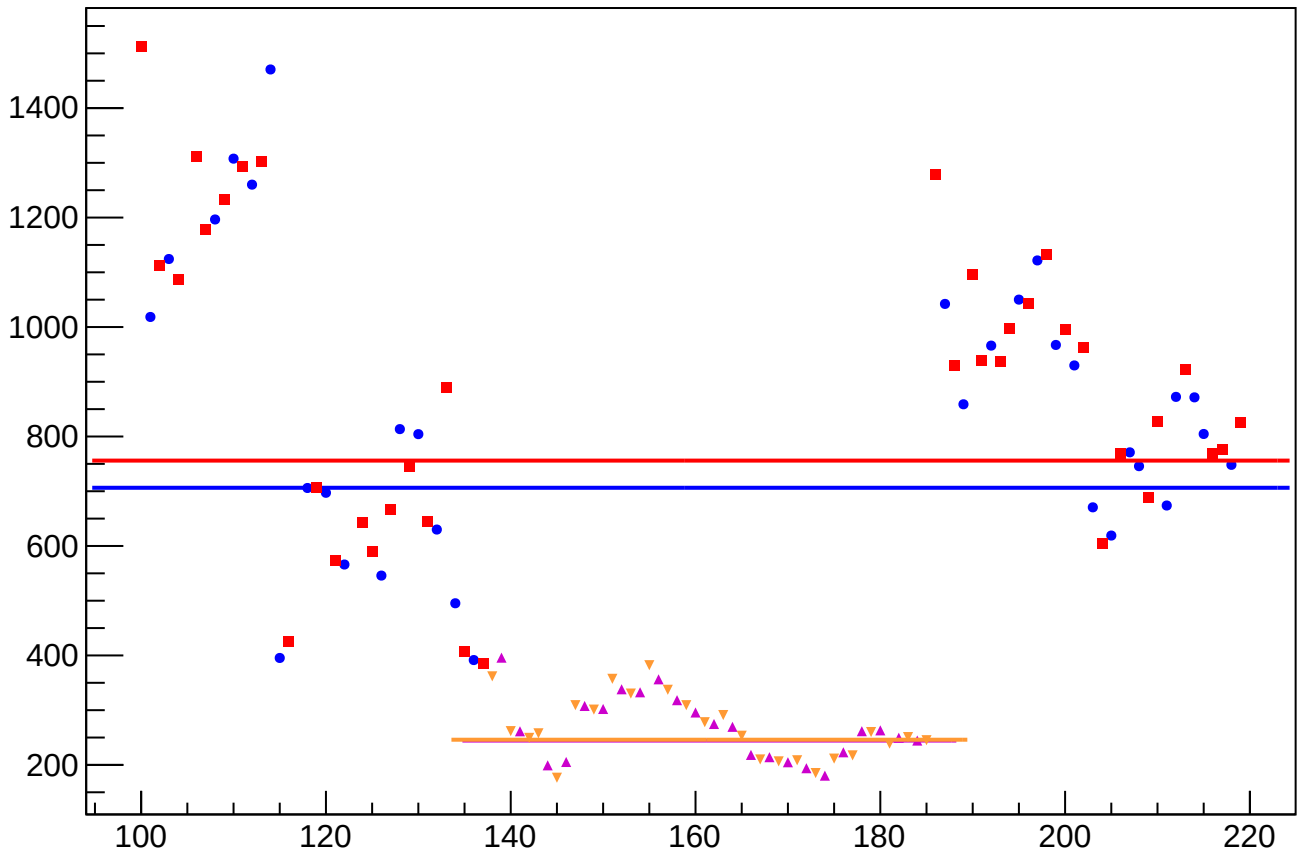
Left In: -44.553 ± 58.614 χ^2/NDF : 26.5/22

+ sign -326.923 ± 54.115 χ^2/NDF : 112.5/56

All: -224.912 ± 38.728 χ^2/NDF : 207.6/116

- sign -117.816 ± 55.448 χ^2/NDF : 87.8/59

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 706.336 $\pm$ 0.117 χ^2 /NDF: 3518585.1/31

Left Out: 246.017 $\pm$ 0.040 χ^2 /NDF:1680565.1/24

Right Out: 755.980 $\pm$ 0.121 χ^2 /NDF: 3722352.2/36

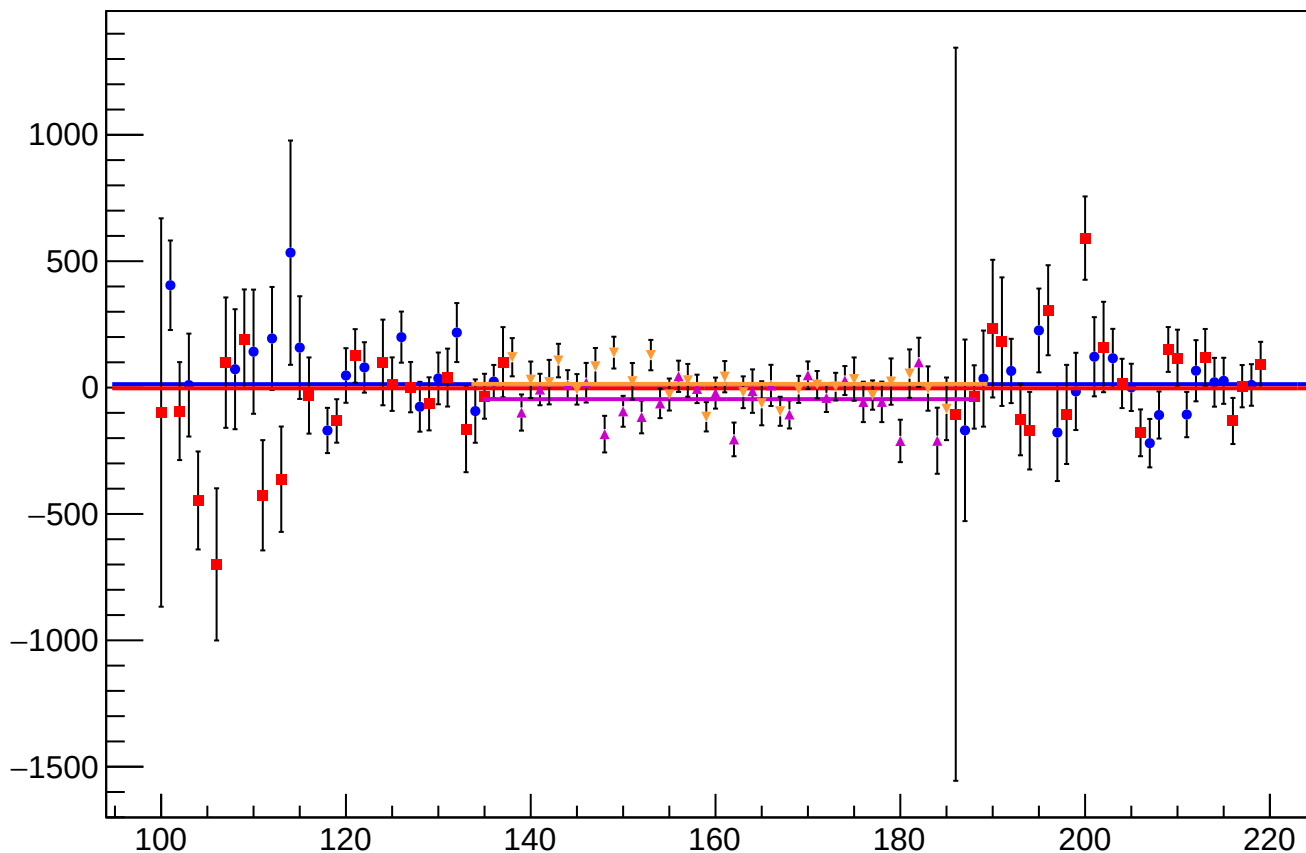
Left In: 244.450 $\pm$ 0.041 χ^2 /NDF:1596988.0/22

+ sign 295.390 $\pm$ 0.038 χ^2 /NDF: 19056170.9/56

All: 296.775 $\pm$ 0.027 χ^2 /NDF: 40392117.7/1

- sign 298.228 $\pm$ 0.039 χ^2 /NDF: 21333264.5/59

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 13.471 ± 20.659 χ^2/NDF : 34.7/31

Left Out: 14.498 ± 13.454 χ^2/NDF : 24.5/24

Right Out: -2.902 ± 21.213 χ^2/NDF : 57.3/36

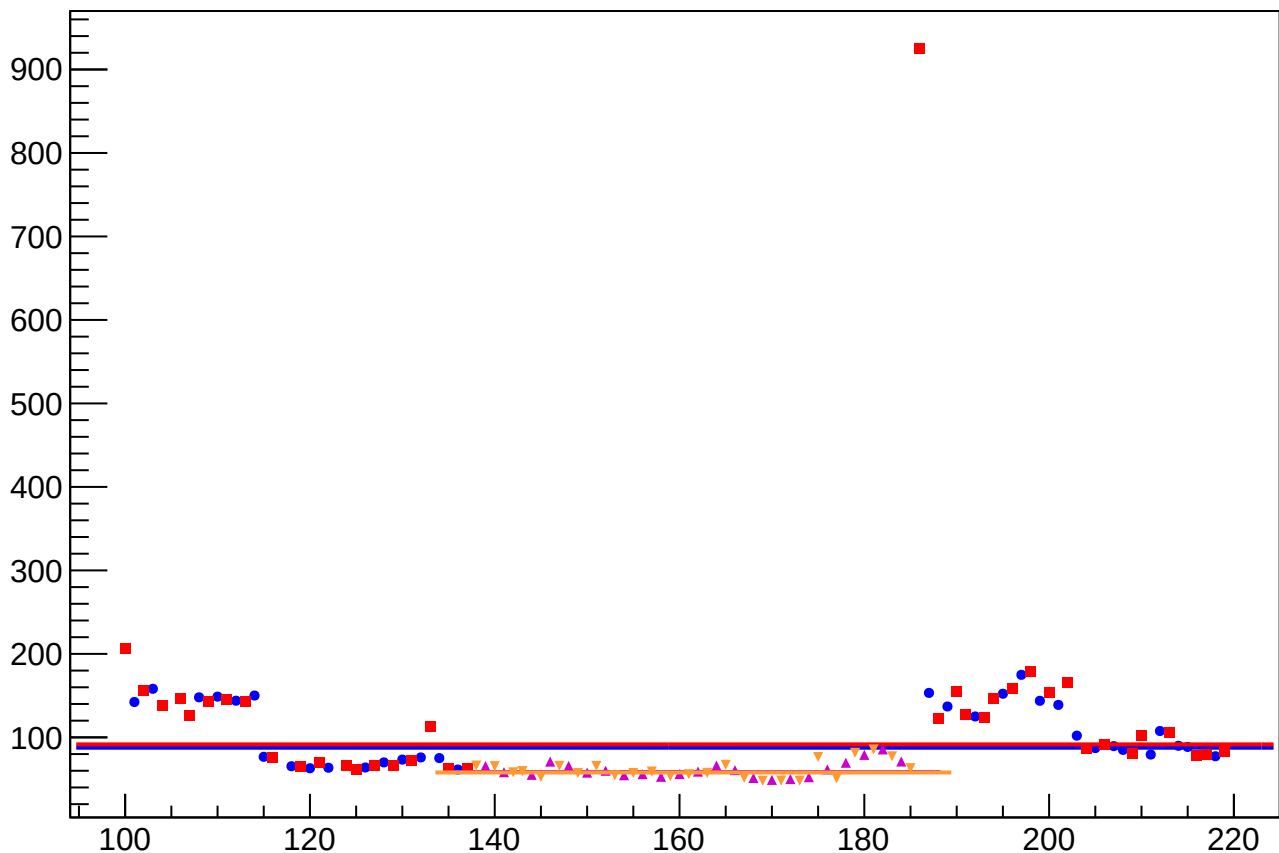
Left In: -45.805 ± 13.931 χ^2/NDF : 30.7/22

+ sign 14.192 ± 11.274 χ^2/NDF : 59.3/56

All: -8.582 ± 8.100 χ^2/NDF : 158.6/116

- sign -32.877 ± 11.645 χ^2/NDF : 90.9/59

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 87.627 $\pm$ 0.015 χ^2 /NDF: 3506527.6/31

Left Out: 57.965 $\pm$ 0.010 χ^2 /NDF: 896952.8/24

Right Out: 91.596 $\pm$ 0.015 χ^2 /NDF: 4757860.3/36

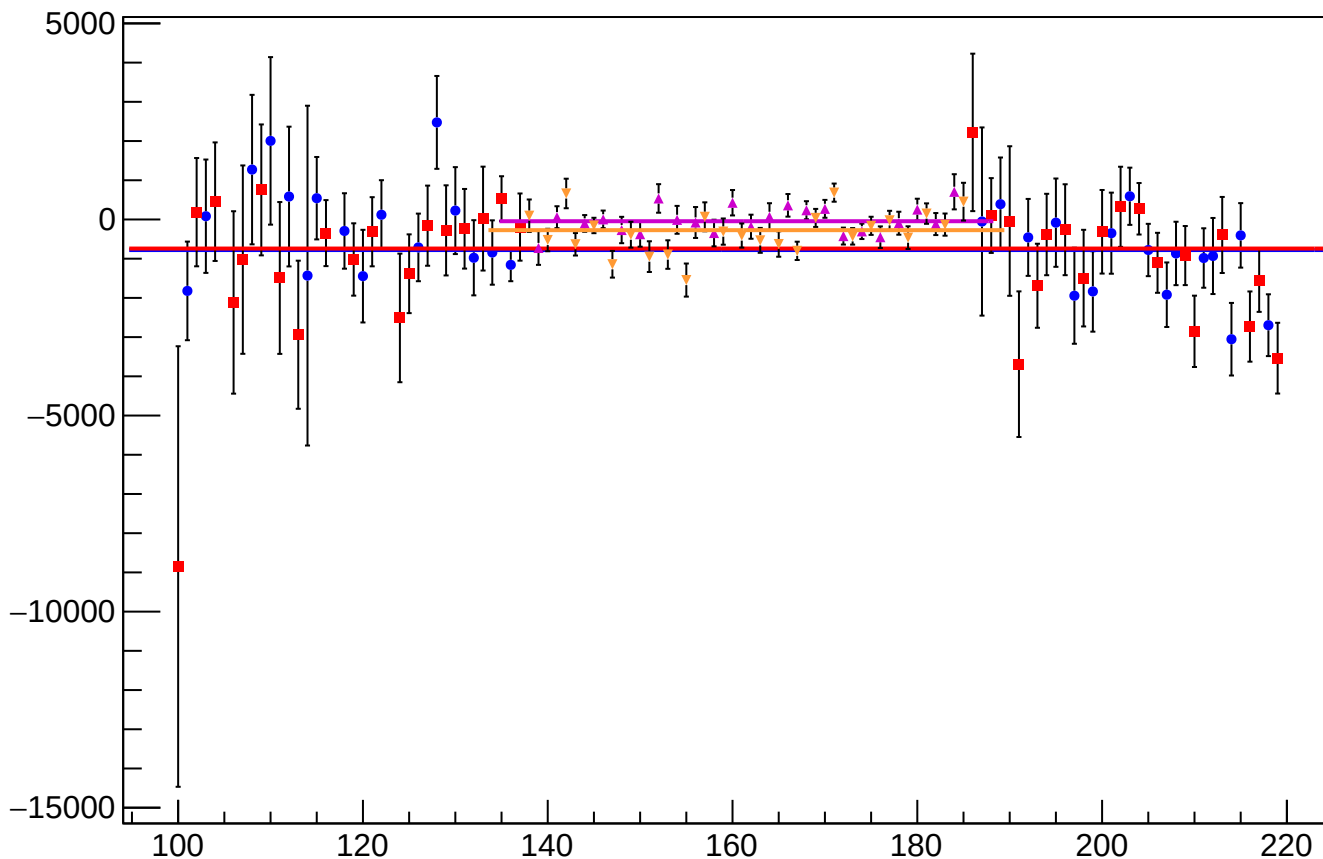
Left In: 58.479 $\pm$ 0.010 χ^2 /NDF: 649911.4/22

+ sign 66.799 $\pm$ 0.008 χ^2 /NDF: 7298547.3/56

All: 67.602 $\pm$ 0.006 χ^2 /NDF: 16132792.8/116

- sign 68.458 $\pm$ 0.008 χ^2 /NDF: 8813291.4/59

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug



Right In: -779.777 ± 165.235 χ^2/NDF : 38.4/31

Left Out: -272.512 ± 57.274 χ^2/NDF : 65.8/24

Right Out: -741.427 ± 171.008 χ^2/NDF : 46.4/36

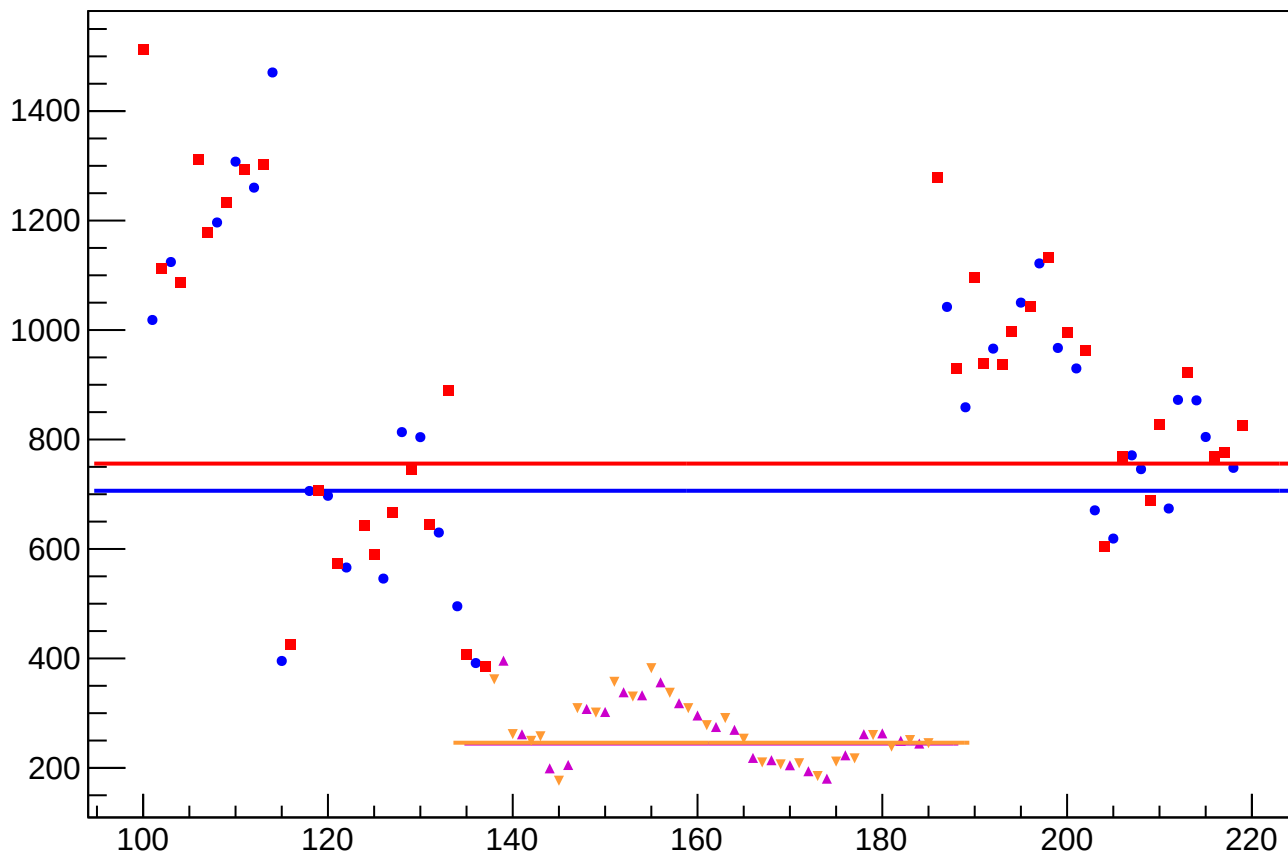
Left In: -44.552 ± 58.614 χ^2/NDF : 26.5/22

+ sign -326.922 ± 54.115 χ^2/NDF : 112.5/56

All: -224.911 ± 38.728 χ^2/NDF : 207.6/116

- sign -117.816 ± 55.448 χ^2/NDF : 87.8/59

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug



Right In: 706.336 $\pm$ 0.117 χ^2 /NDF: 3518568.4/31

Left Out: 246.016 $\pm$ 0.040 χ^2 /NDF:1680566.1/24

Right Out: 755.979 $\pm$ 0.121 χ^2 /NDF: 3722331.0/36

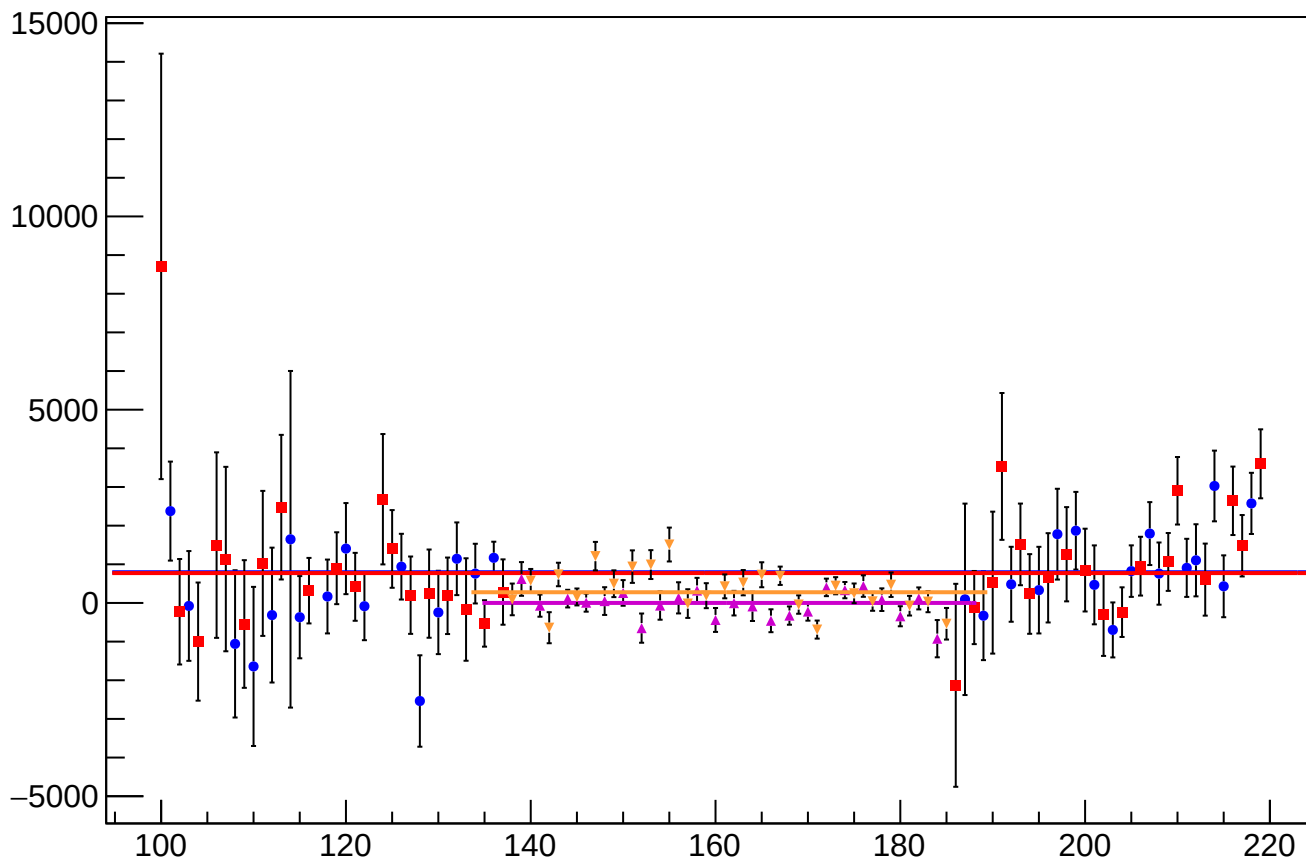
Left In: 244.450 $\pm$ 0.041 χ^2 /NDF:1596977.8/22

+ sign 295.390 $\pm$ 0.038 χ^2 /NDF: 19056181.5/56

All: 296.774 $\pm$ 0.027 χ^2 /NDF: 40392117.1/11

- sign 298.227 $\pm$ 0.039 χ^2 /NDF: 21333252.9/59

asym_sam_1526_avg_mean vs Slug



Right In: 794.426 ± 163.242 $\chi^2/\text{NDF}: 38.0/31$

Left Out: 277.077 ± 59.149 $\chi^2/\text{NDF}: 64.1/24$

Right Out: 772.683 ± 170.644 $\chi^2/\text{NDF}: 44.2/36$

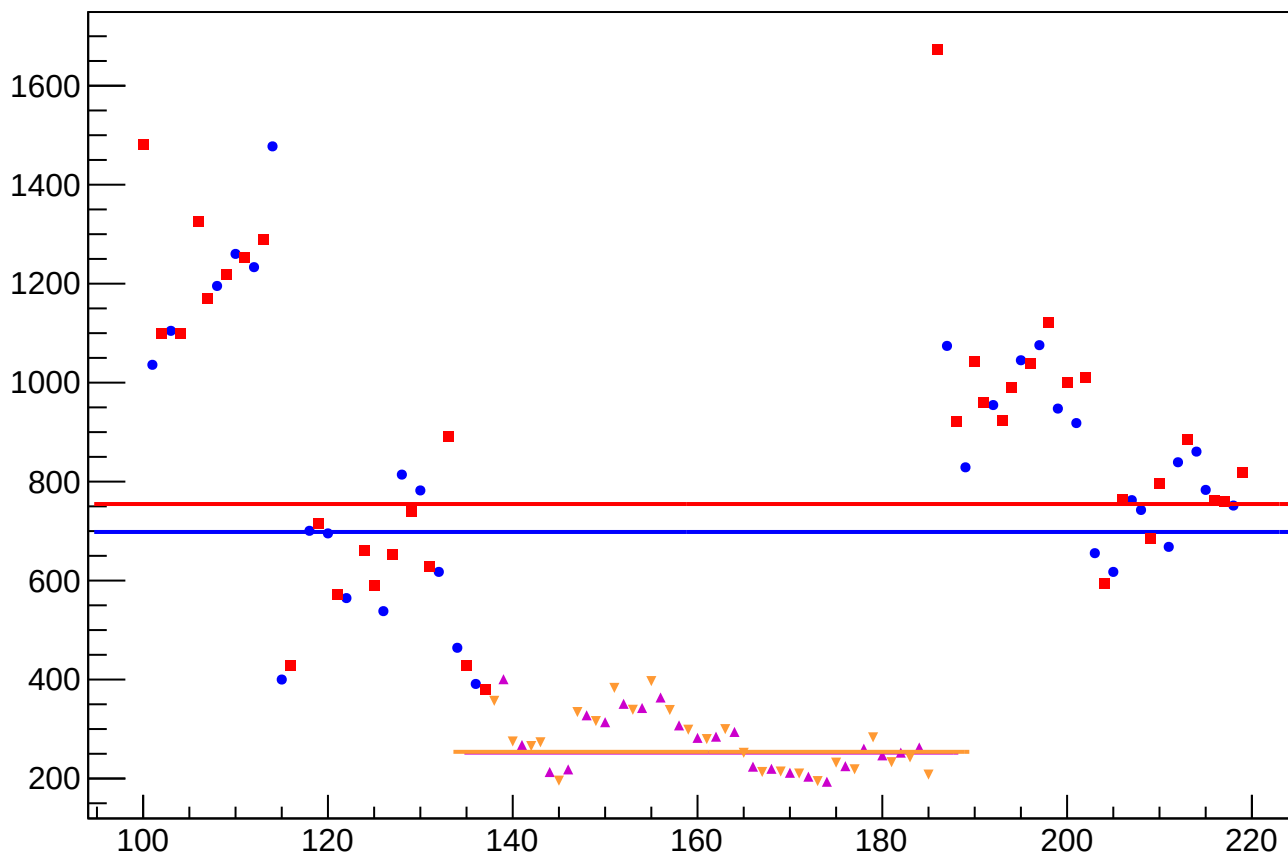
Left In: 0.556 ± 60.356 $\chi^2/\text{NDF}: 28.1/22$

+ sign 337.117 ± 55.611 $\chi^2/\text{NDF}: 110.9/56$

All: 214.640 ± 39.771 $\chi^2/\text{NDF}: 211.4/116$

- sign 86.409 ± 56.902 $\chi^2/\text{NDF}: 90.6/59$

asym_sam_1526_avg_rms vs Slug



Right In: 698.230+/-0.115 χ^2/NDF : 3456292.7/31

Left Out: 253.953+/-0.042 χ^2/NDF :1590761.5/24

Right Out: 754.713+/-0.121 χ^2/NDF : 3654276.0/36

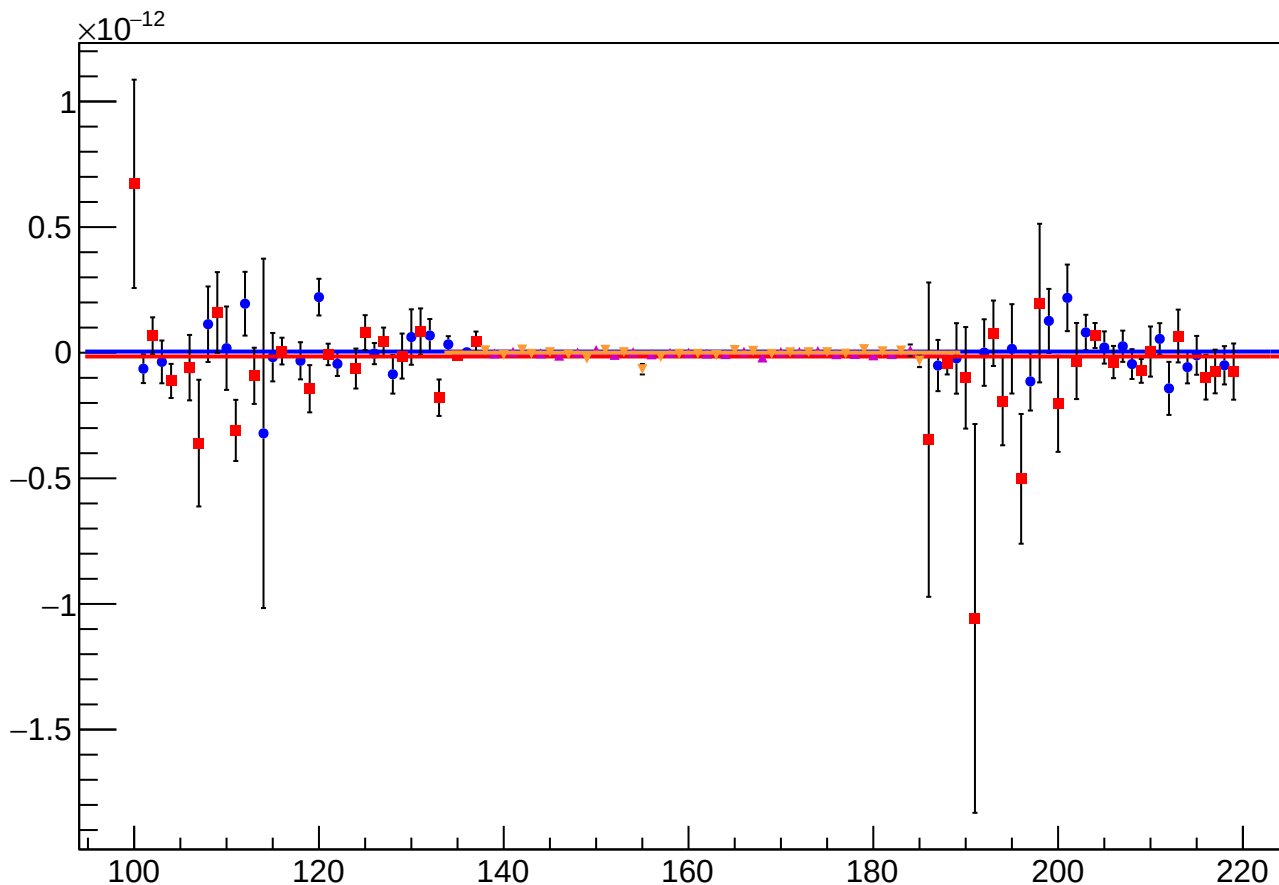
Left In: 252.390+/-0.043 χ^2/NDF :1412169.8/22

+ sign 305.513+/-0.039 χ^2/NDF : 18141935.3/56

All: 306.847+/-0.028 χ^2/NDF : 38614405.0/11

- sign 308.244+/-0.040 χ^2/NDF : 20470112.7/59

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.9/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.4/36

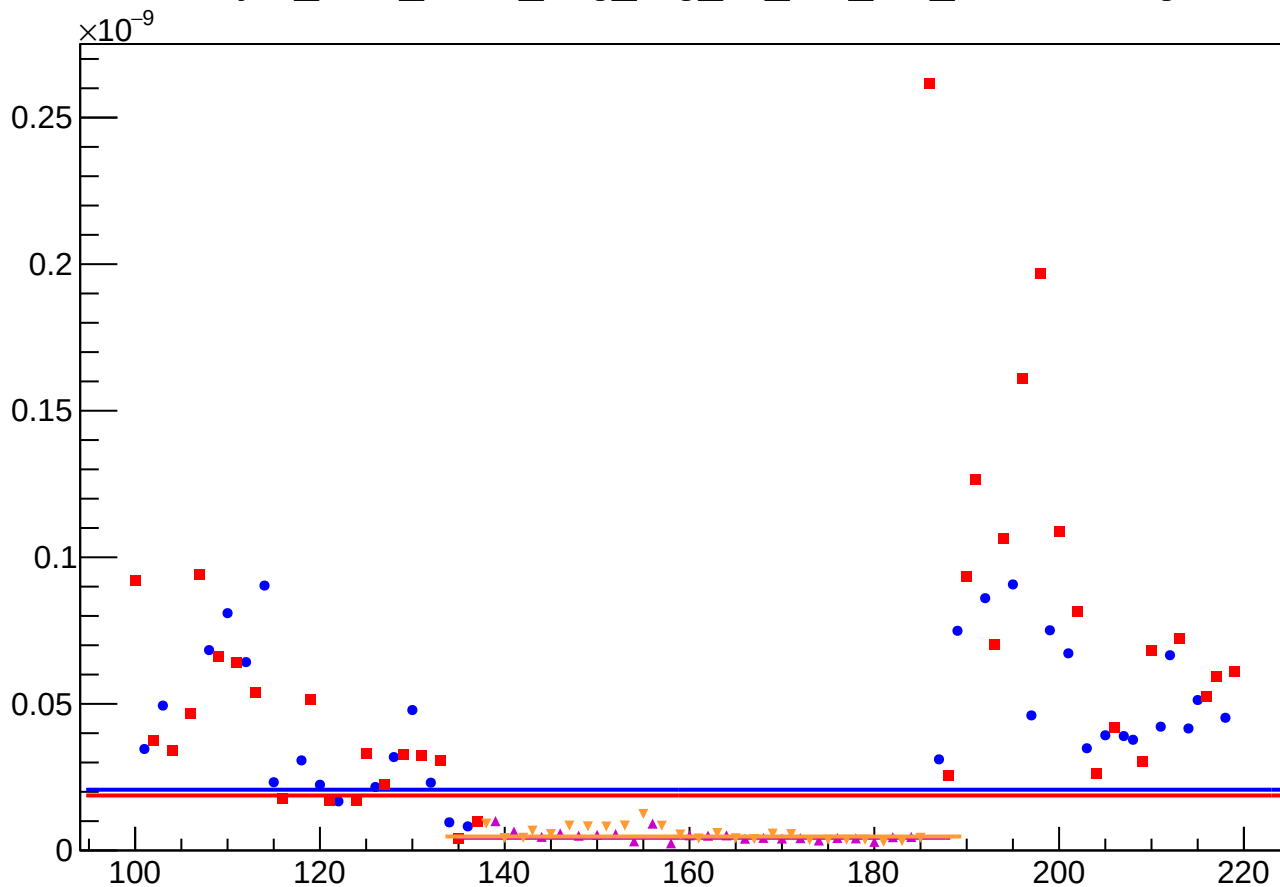
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 56.4/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 118.8/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 61.3/59

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7004912.6/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10164027.8/36

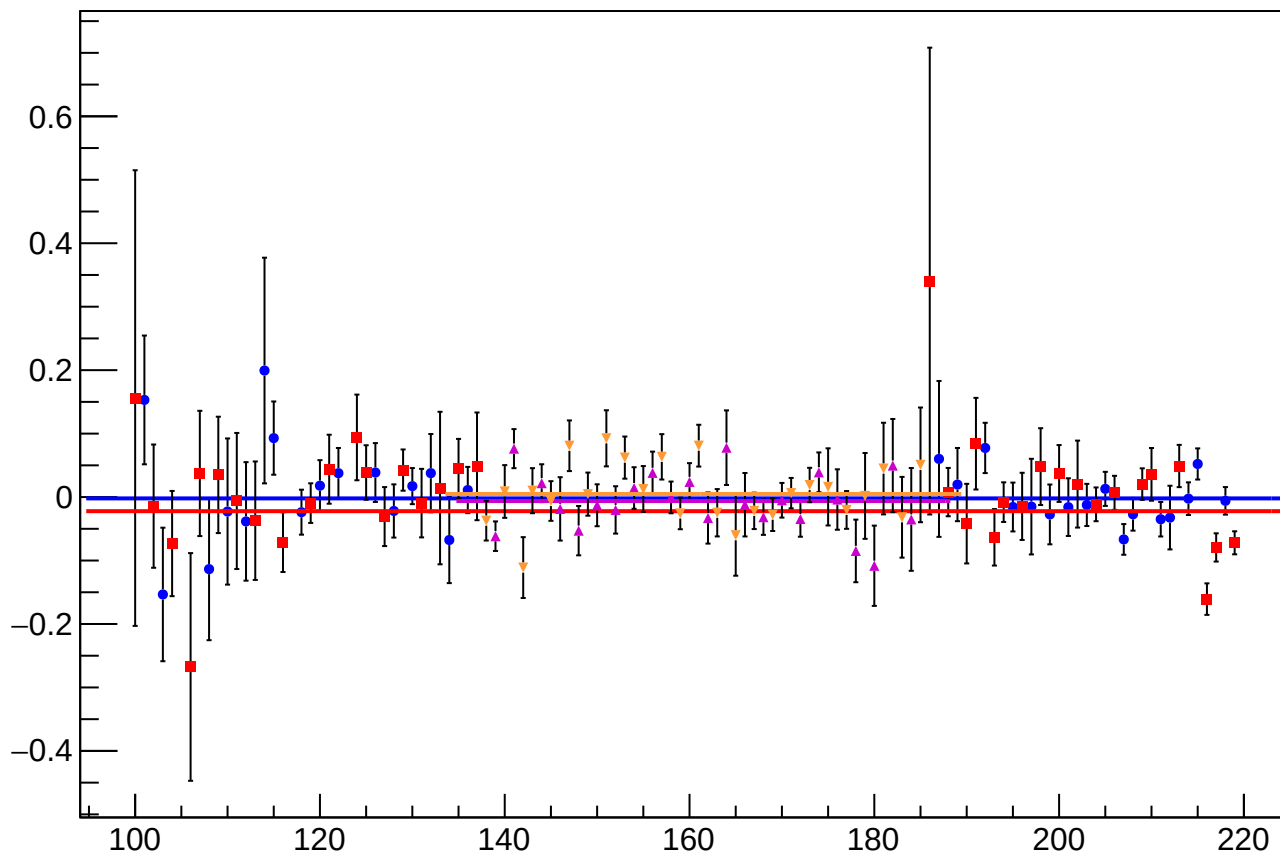
Left In: 0.000+/-0.000 χ^2/NDF : 983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 14180045.8/56

All: 0.000+/-0.000 χ^2/NDF : 29945716.2/116

- sign 0.000+/-0.000 χ^2/NDF : 15683521.4/59

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.007 χ^2/NDF : 34.3/31

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: -0.022 ± 0.007 χ^2/NDF : 82.4/36

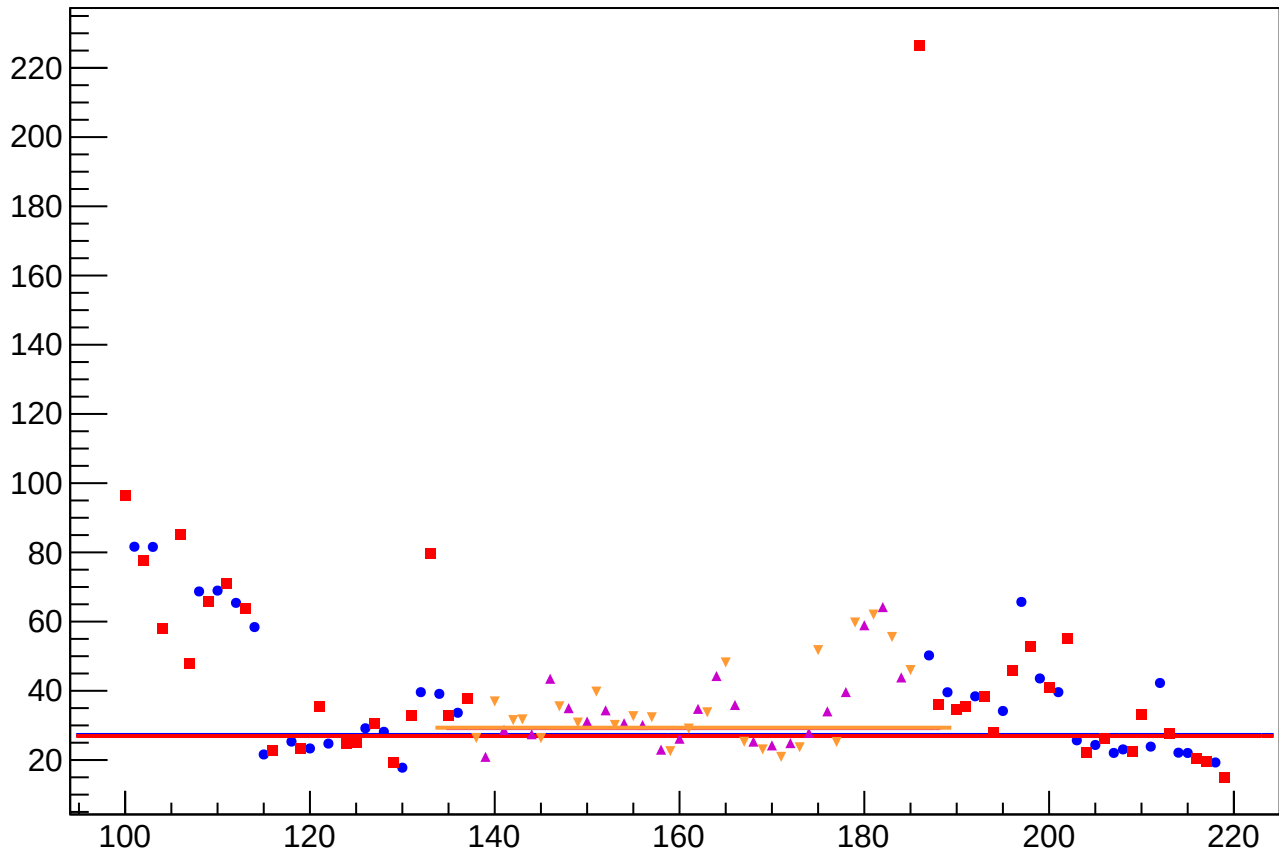
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign 0.001 ± 0.005 χ^2/NDF : 68.8/56

All: -0.007 ± 0.003 χ^2/NDF : 190.1/116

- sign -0.015 ± 0.005 χ^2/NDF : 116.0/59

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.239 $\pm$ 0.005 χ^2/NDF : 4634409.7/31

Left Out: 29.338 $\pm$ 0.005 χ^2/NDF : 2687159.2/24

Right Out: 26.937 $\pm$ 0.005 χ^2/NDF : 6351866.4/36

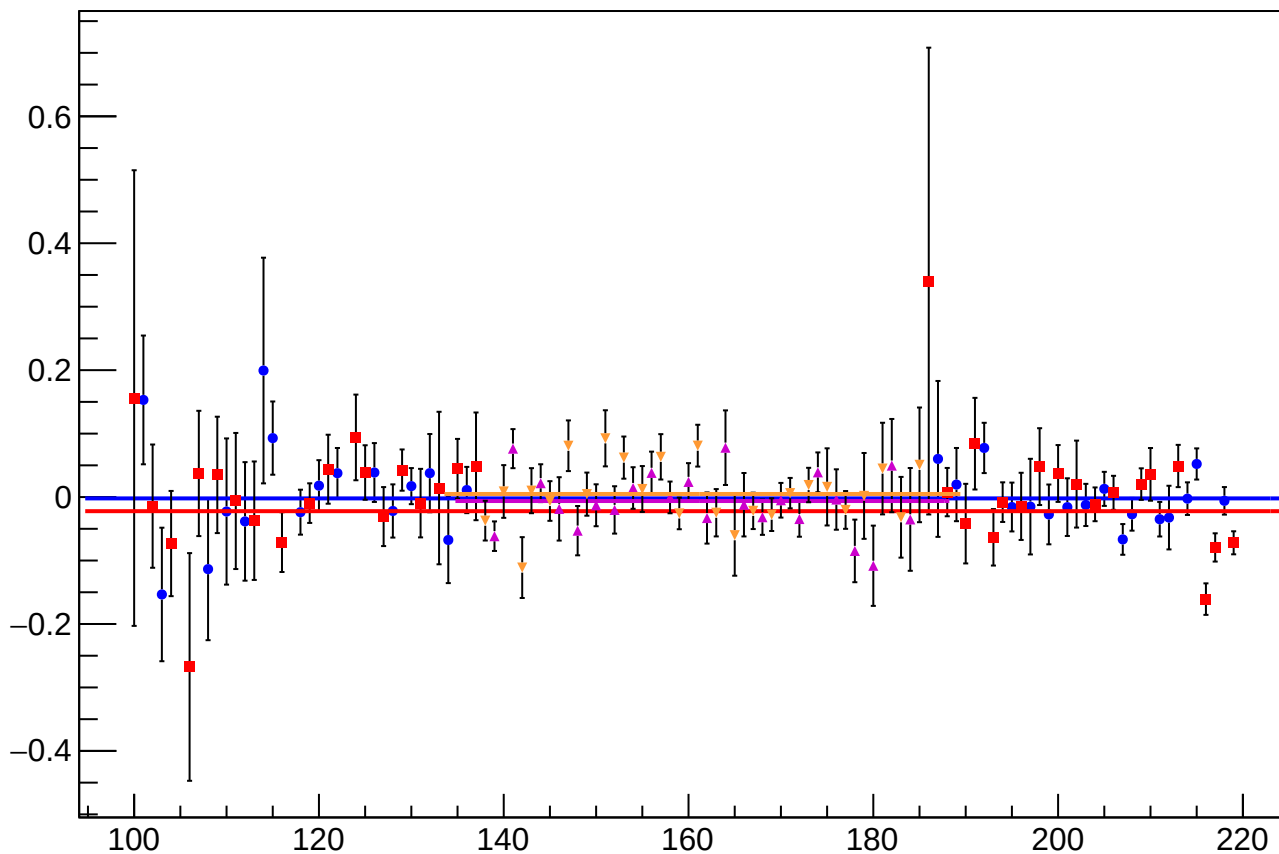
Left In: 29.226 $\pm$ 0.005 χ^2/NDF : 2097657.8/22

+ sign 28.241 $\pm$ 0.003 χ^2/NDF : 7412758.3/56

All: 28.115 $\pm$ 0.002 χ^2/NDF : 15972382.2/116

- sign 27.989 $\pm$ 0.003 χ^2/NDF : 8557004.7/59

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.007 χ^2/NDF : 34.3/31

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: -0.022 ± 0.007 χ^2/NDF : 82.4/36

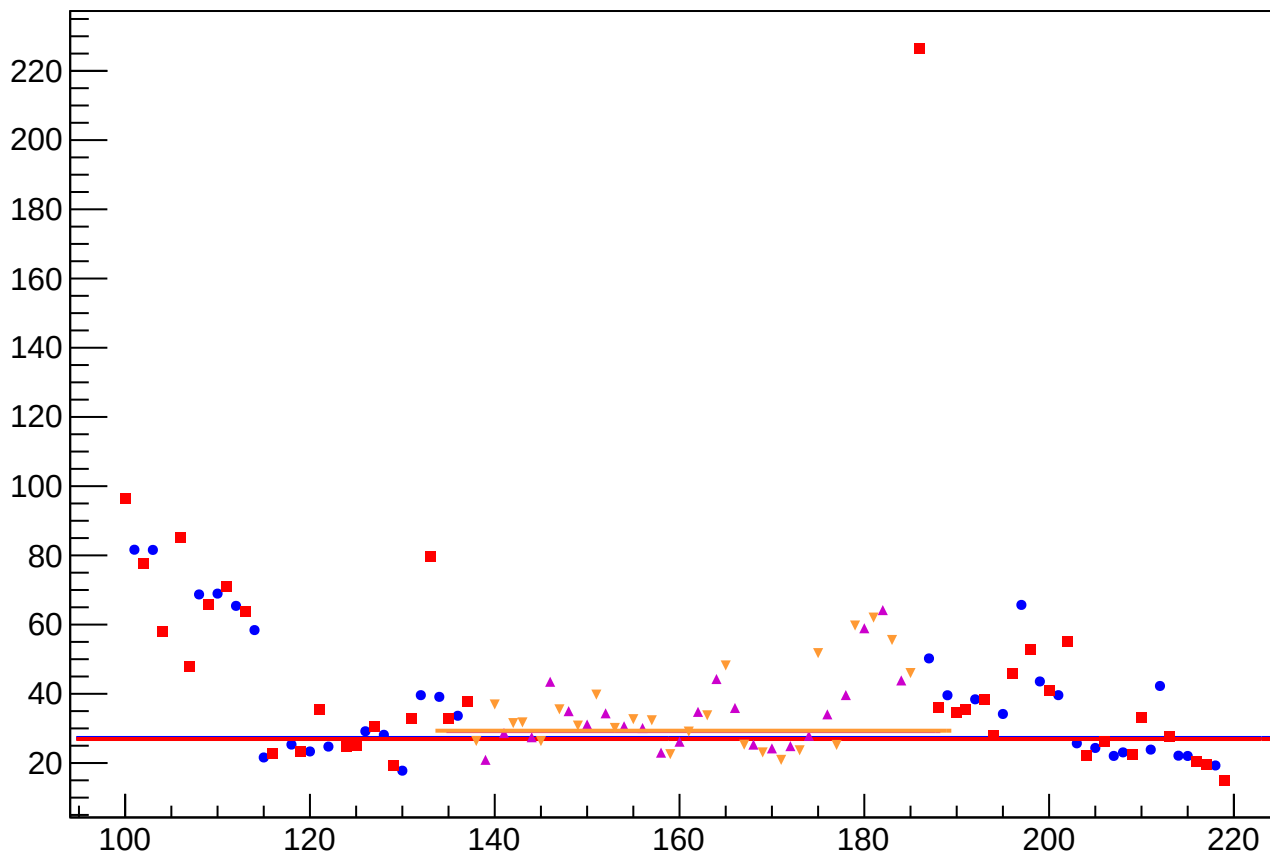
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign 0.001 ± 0.005 χ^2/NDF : 68.8/56

All: -0.007 ± 0.003 χ^2/NDF : 190.1/116

- sign -0.015 ± 0.005 χ^2/NDF : 116.0/59

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.239 $\pm$ 0.005 χ^2/NDF : 4634409.7/31

Left Out: 29.338 $\pm$ 0.005 χ^2/NDF : 2687159.2/24

Right Out: 26.937 $\pm$ 0.005 χ^2/NDF : 6351866.4/36

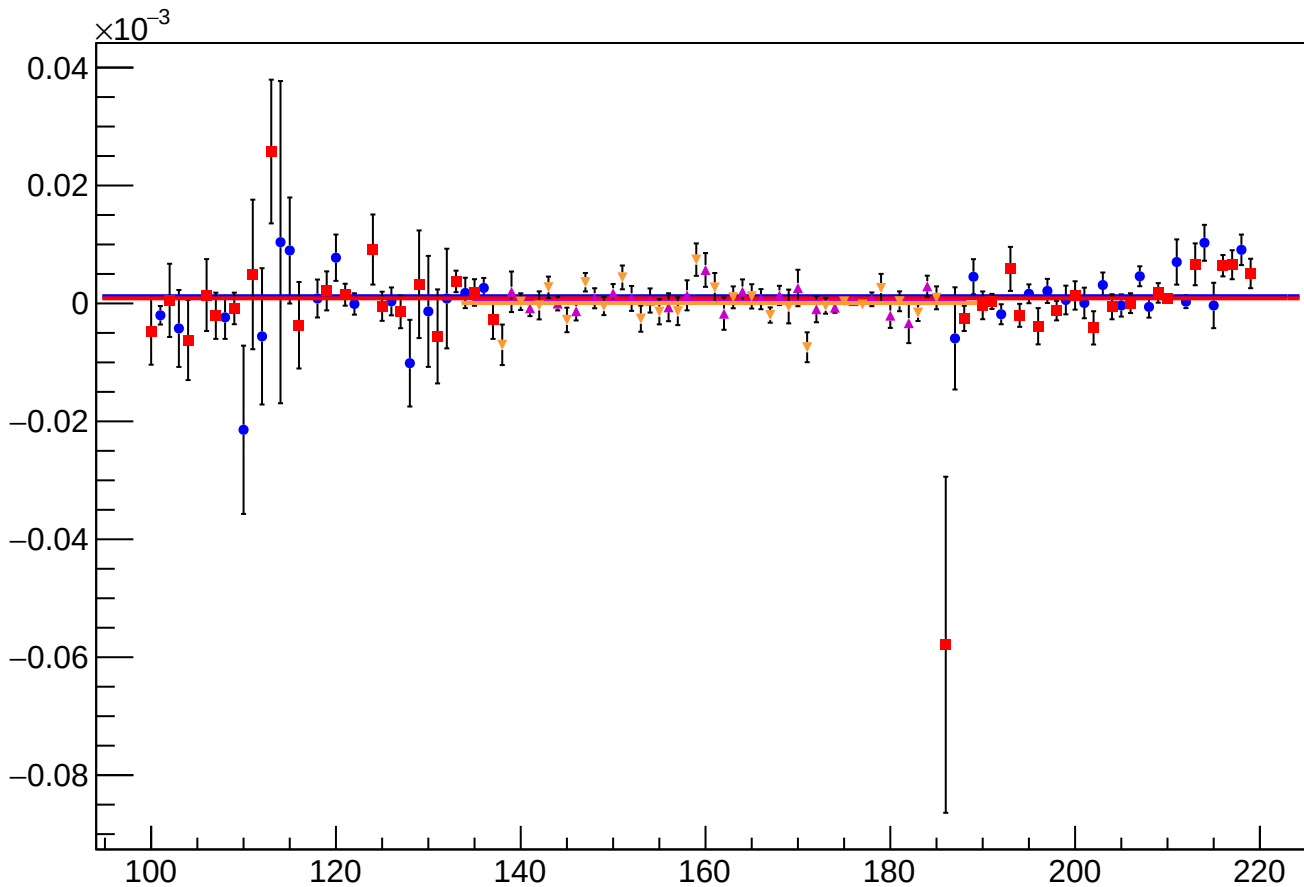
Left In: 29.226 $\pm$ 0.005 χ^2/NDF : 2097657.8/22

+ sign 28.241 $\pm$ 0.003 χ^2/NDF : 7412758.3/56

All: 28.115 $\pm$ 0.002 χ^2/NDF : 15972382.2/116

- sign 27.989 $\pm$ 0.003 χ^2/NDF : 8557004.7/59

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 49.7/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:43.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 54.9/36

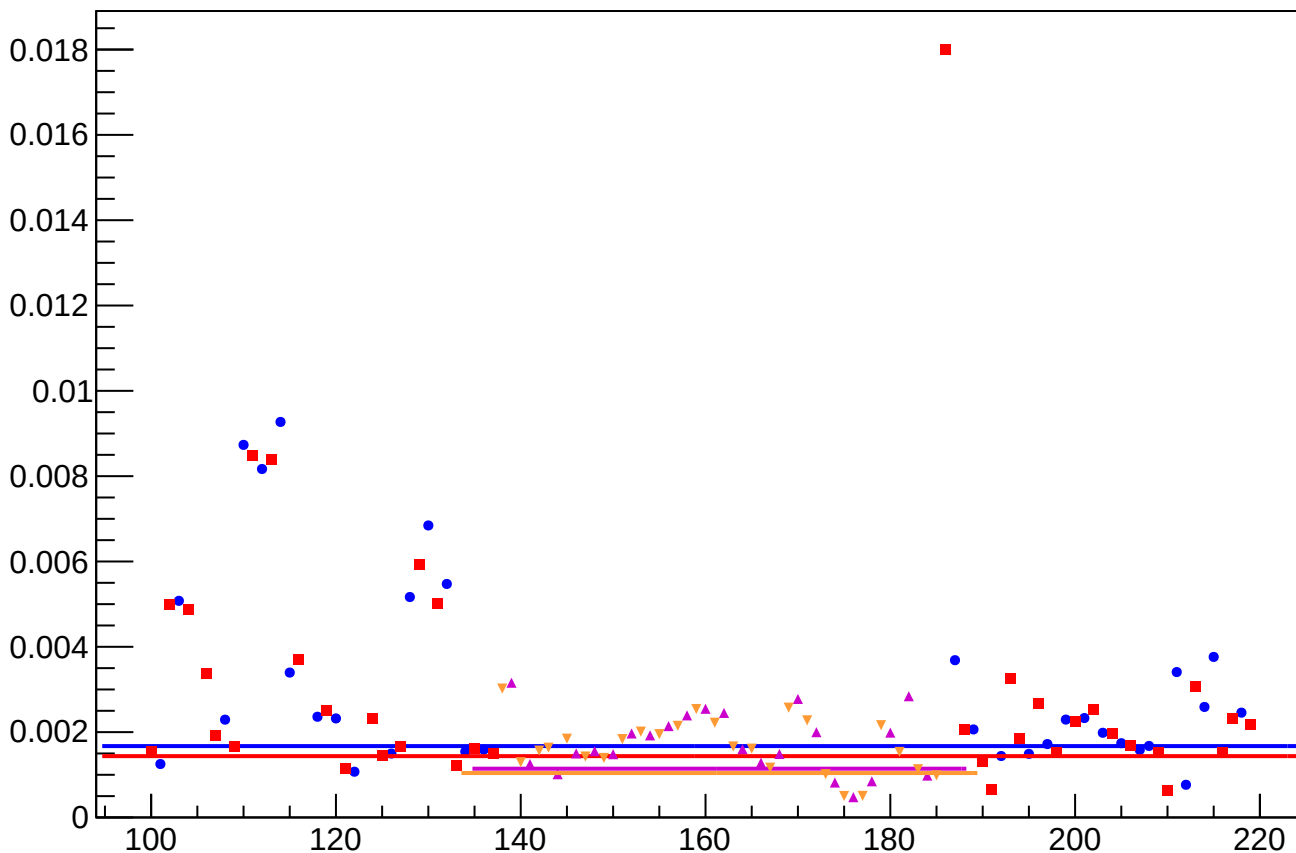
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 98.6/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 170.4/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 71.7/59

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 7198541.4/31

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:9825407.0/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 10699137.8/36

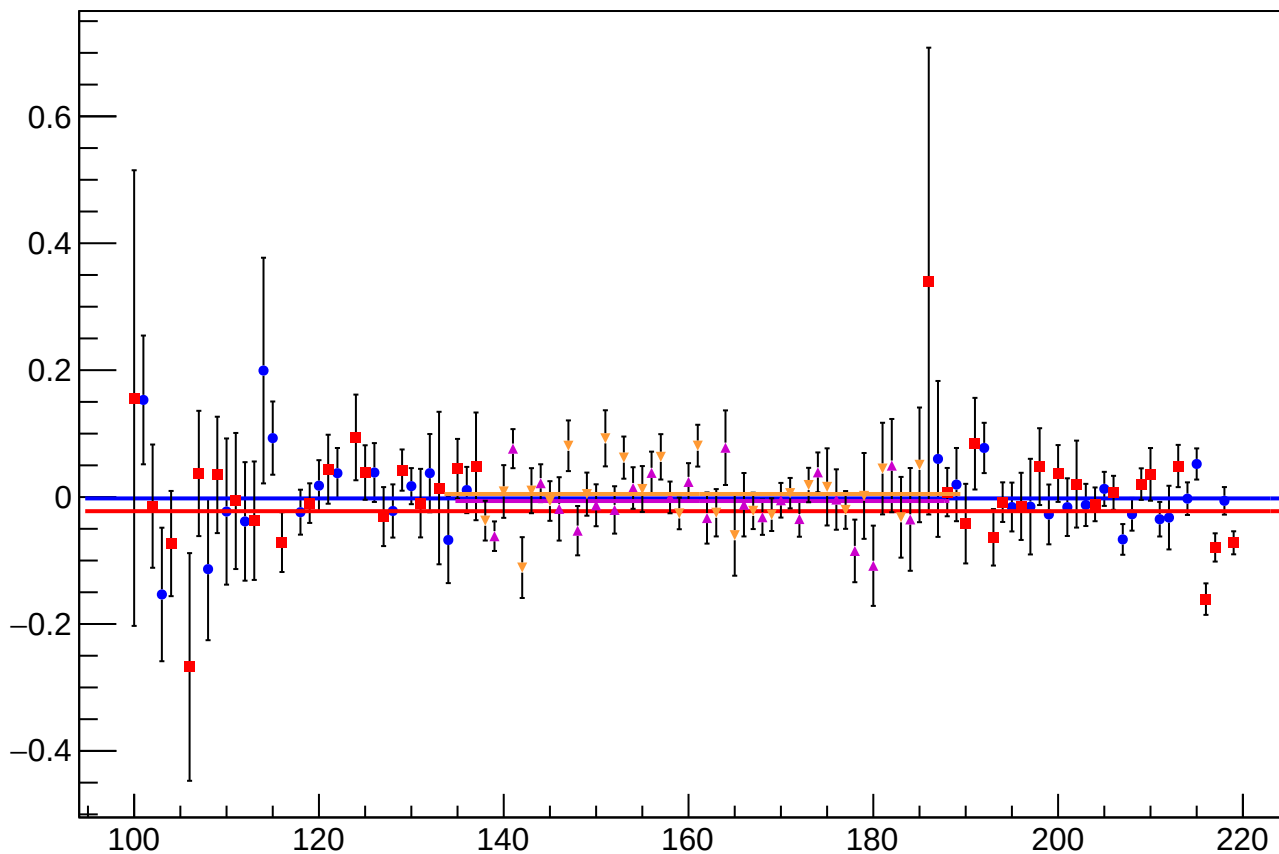
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:8291862.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 20108357.3/56

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 39867439.8/116

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 19737477.2/59

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.007 χ^2/NDF : 34.3/31

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: -0.022 ± 0.007 χ^2/NDF : 82.4/36

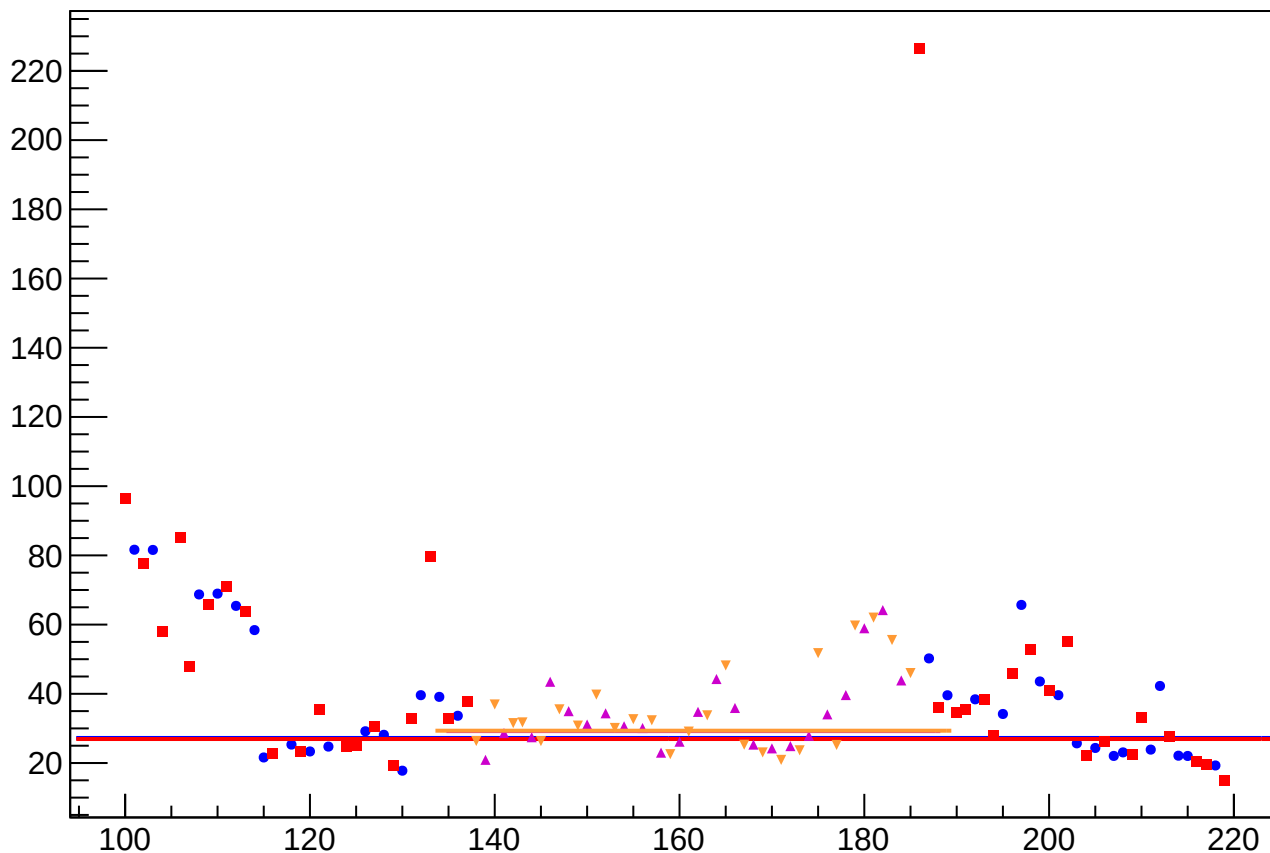
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign 0.001 ± 0.005 χ^2/NDF : 68.8/56

All: -0.007 ± 0.003 χ^2/NDF : 190.1/116

- sign -0.015 ± 0.005 χ^2/NDF : 116.0/59

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.238 $\pm$ 0.005 χ^2 /NDF: 4634618.6/31

Left Out: 29.338 $\pm$ 0.005 χ^2 /NDF: 2687200.3/24

Right Out: 26.936 $\pm$ 0.005 χ^2 /NDF: 6352169.5/36

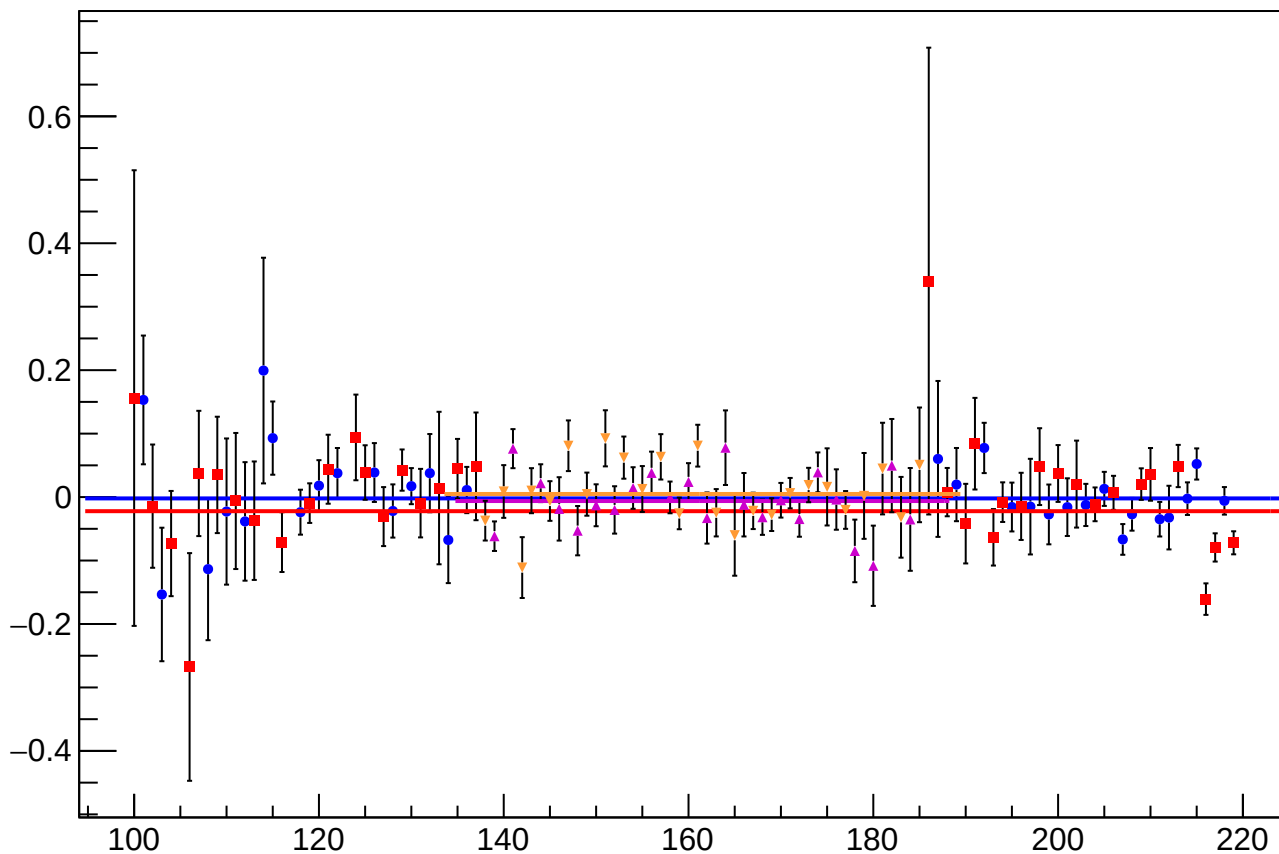
Left In: 29.227 $\pm$ 0.005 χ^2 /NDF: 2097621.4/22

+ sign 28.240 $\pm$ 0.003 χ^2 /NDF: 7413064.9/56

All: 28.115 $\pm$ 0.002 χ^2 /NDF: 15973066.2/116

- sign 27.989 $\pm$ 0.003 χ^2 /NDF: 8557380.3/59

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.007 χ^2/NDF : 34.3/31

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: -0.022 ± 0.007 χ^2/NDF : 82.4/36

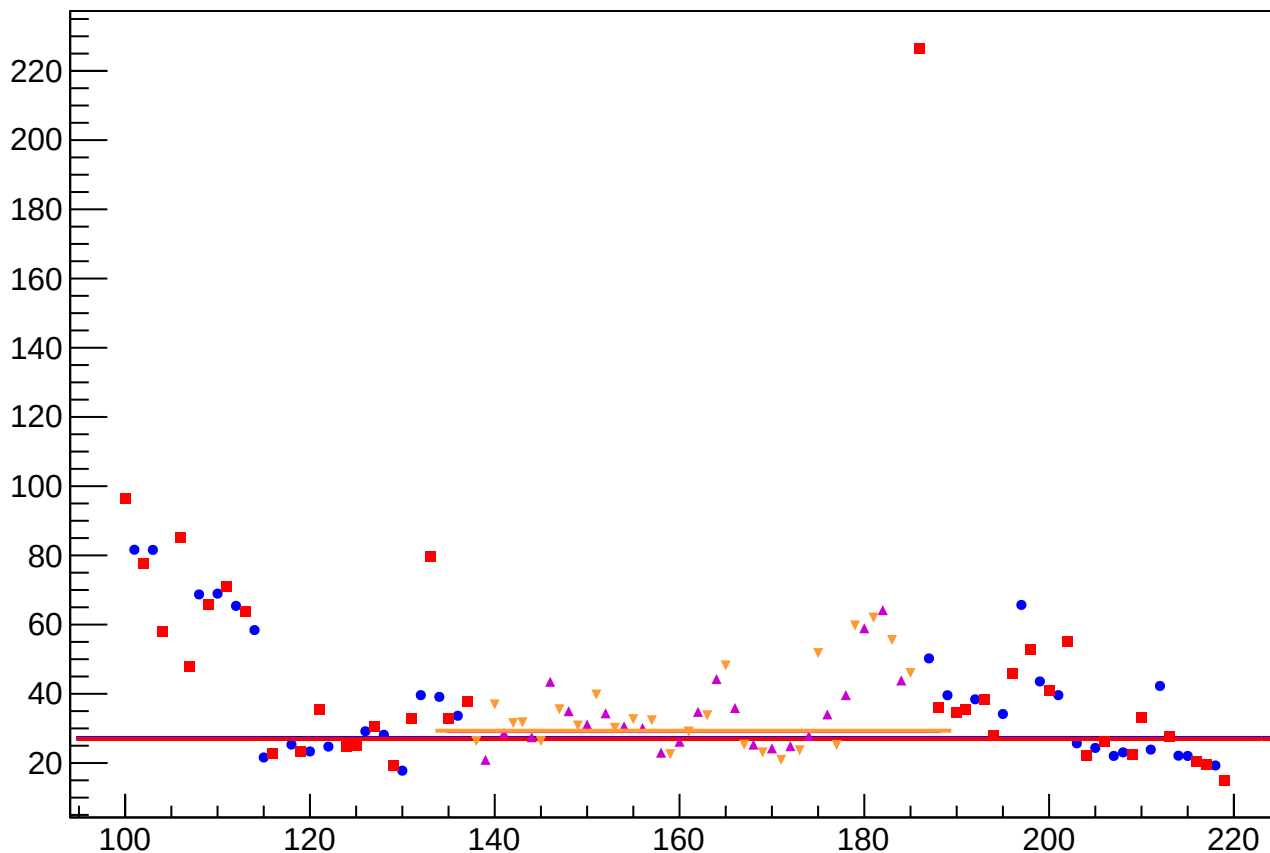
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign 0.001 ± 0.005 χ^2/NDF : 68.8/56

All: -0.007 ± 0.003 χ^2/NDF : 190.1/116

- sign -0.015 ± 0.005 χ^2/NDF : 116.0/59

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.238 $\pm$ 0.005 χ^2 /NDF: 4634618.6/31

Left Out: 29.338 $\pm$ 0.005 χ^2 /NDF: 2687200.3/24

Right Out: 26.936 $\pm$ 0.005 χ^2 /NDF: 6352169.5/36

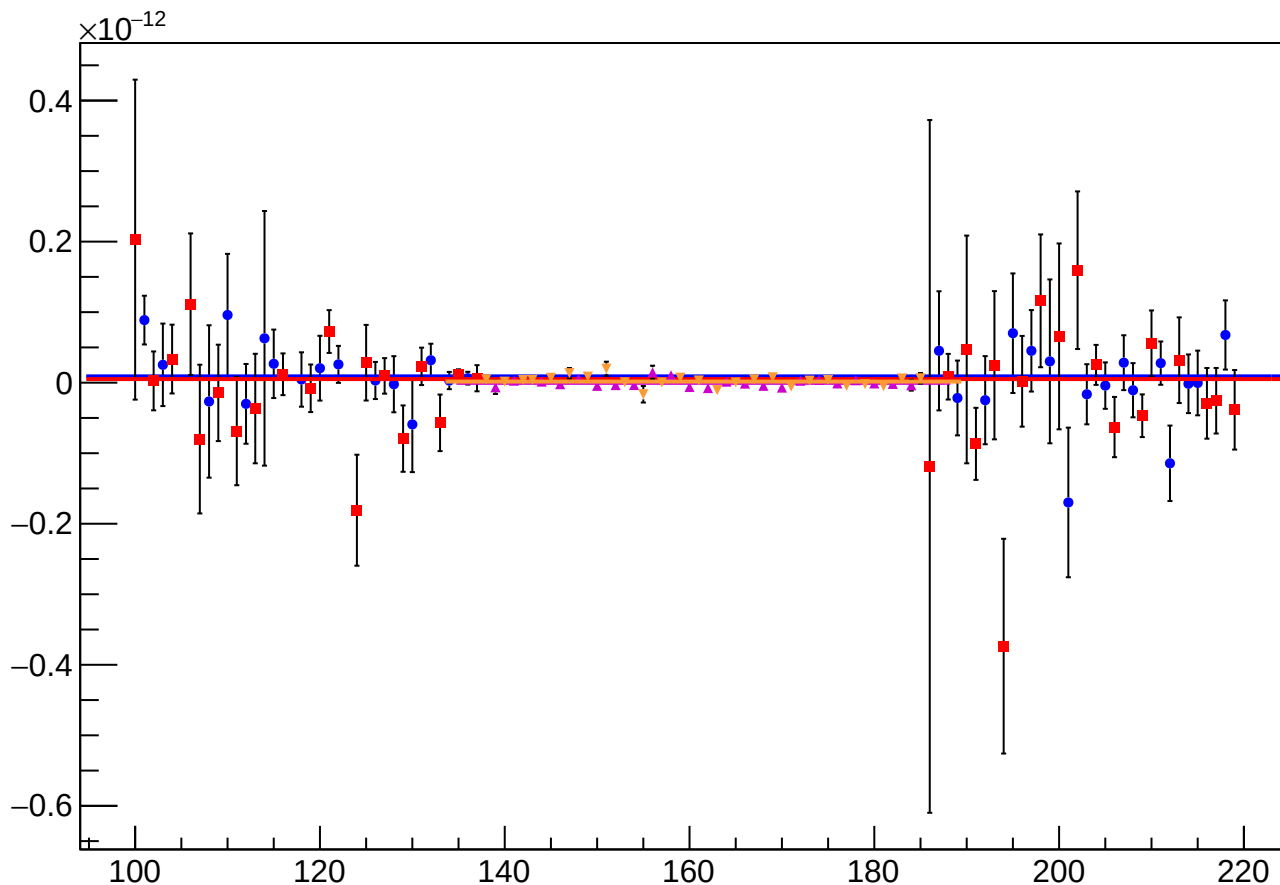
Left In: 29.227 $\pm$ 0.005 χ^2 /NDF: 2097621.4/22

+ sign 28.240 $\pm$ 0.003 χ^2 /NDF: 7413064.9/56

All: 28.115 $\pm$ 0.002 χ^2 /NDF: 15973066.2/116

- sign 27.989 $\pm$ 0.003 χ^2 /NDF: 8557380.3/59

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:35.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.7/36

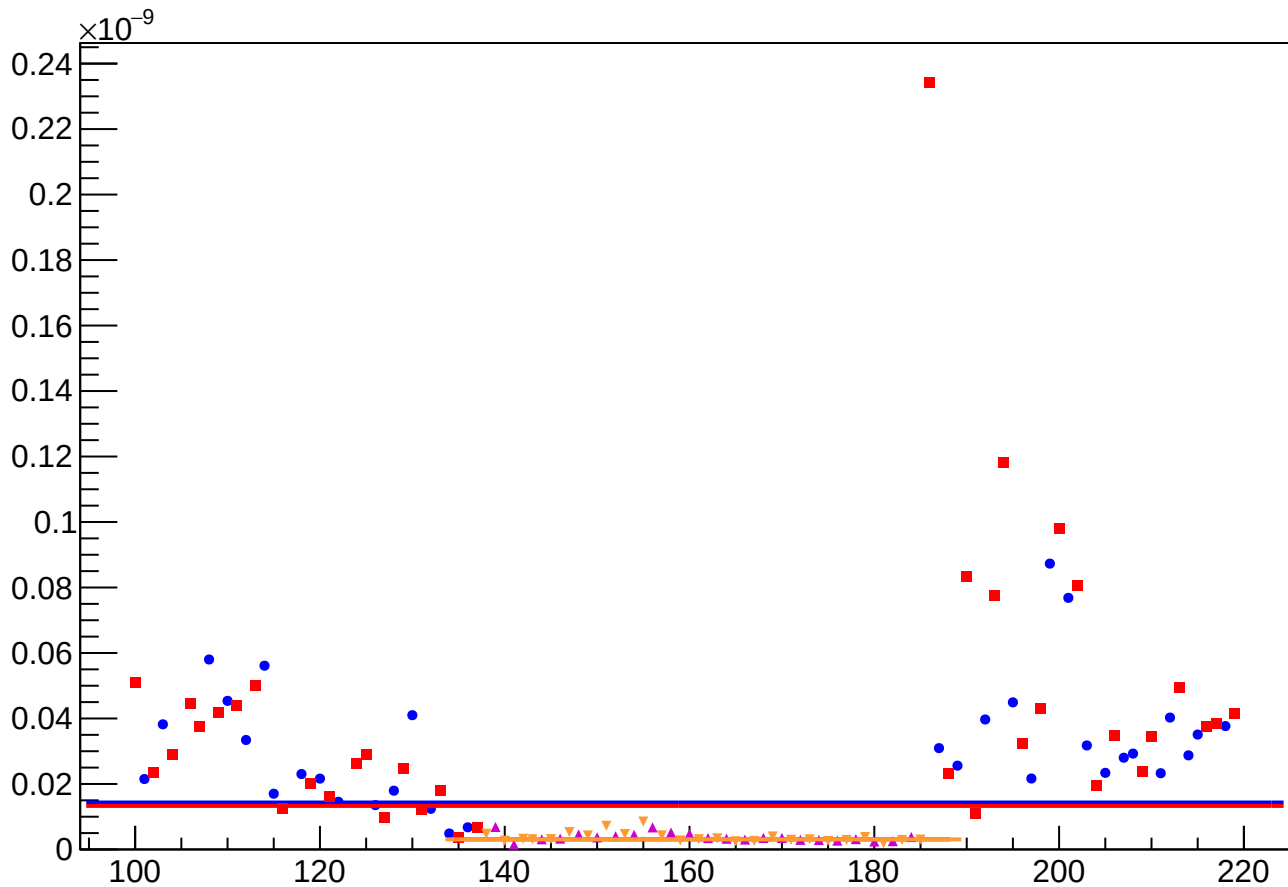
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:18.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.8/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 125.0/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 63.2/59

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9496796.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 13674526.3/36

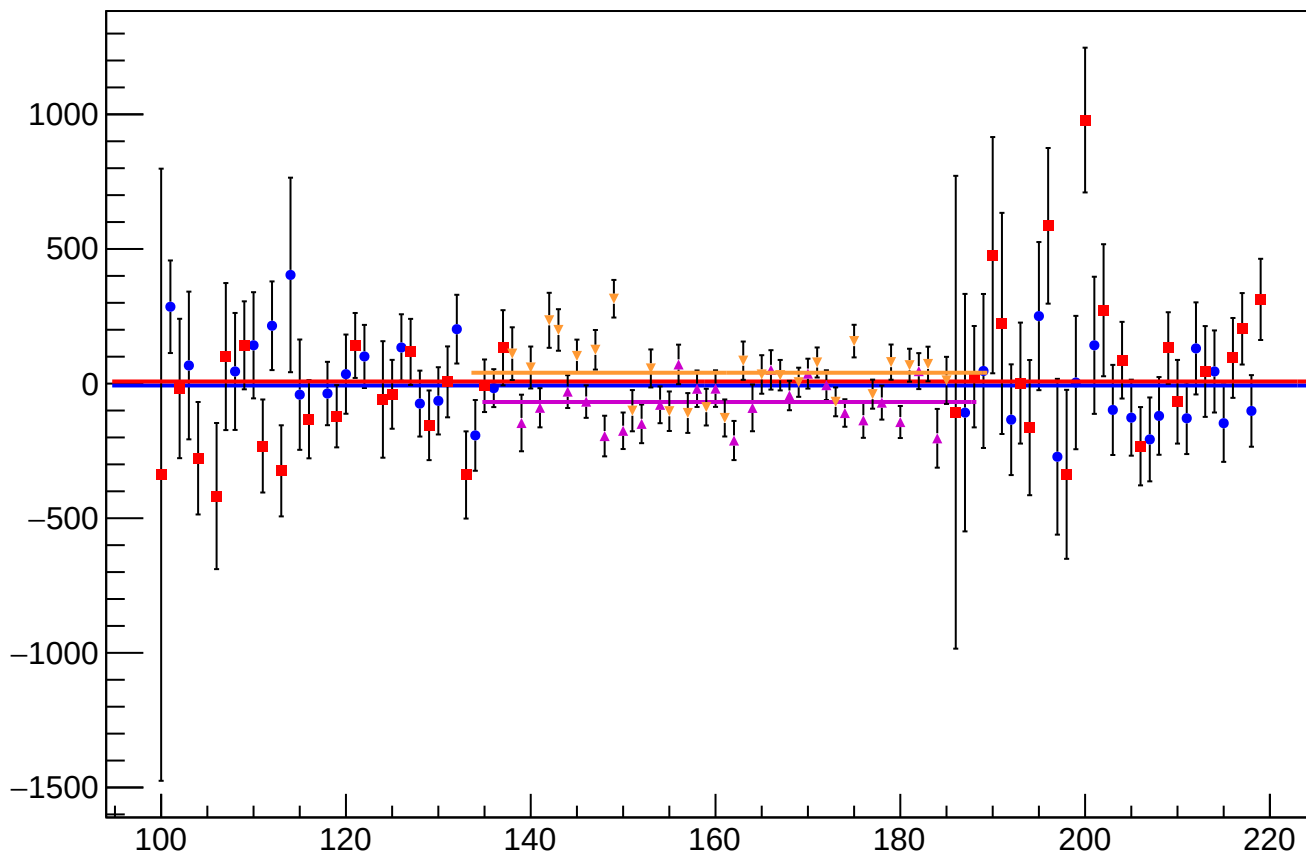
Left In: 0.000+/-0.000 χ^2/NDF : 2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 20099687.7/56

All: 0.000+/-0.000 χ^2/NDF : 43072712.2/116

- sign 0.000+/-0.000 χ^2/NDF : 22972987.6/59

reg_asym_sam_3726_avg_mean vs Slug



Right In: -6.936 ± 26.889 χ^2/NDF : 23.1/31

Left Out: 40.342 ± 13.402 χ^2/NDF : 59.4/24

Right Out: 7.870 ± 27.437 χ^2/NDF : 54.6/36

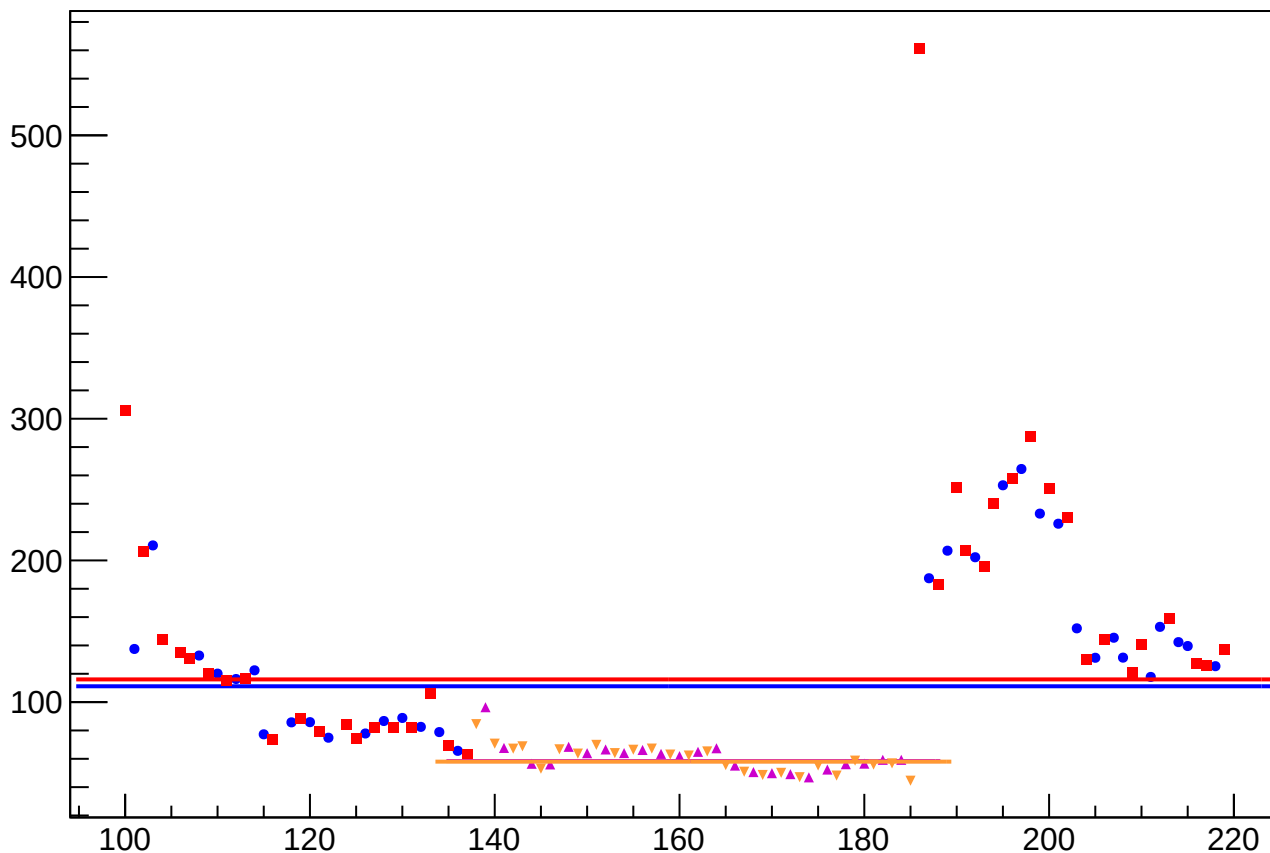
Left In: -68.344 ± 13.866 χ^2/NDF : 31.8/22

+ sign 30.935 ± 11.995 χ^2/NDF : 85.0/56

All: -9.643 ± 8.613 χ^2/NDF : 201.1/116

- sign -52.839 ± 12.376 χ^2/NDF : 92.5/59

reg_asym_sam_3726_avg_rms vs Slug



Right In: 111.183 $\pm$ 0.019 χ^2 /NDF: 5351588.9/31

Left Out: 57.996 $\pm$ 0.009 χ^2 /NDF:807648.8/24

Right Out: 116.033 $\pm$ 0.019 χ^2 /NDF: 6400208.7/36

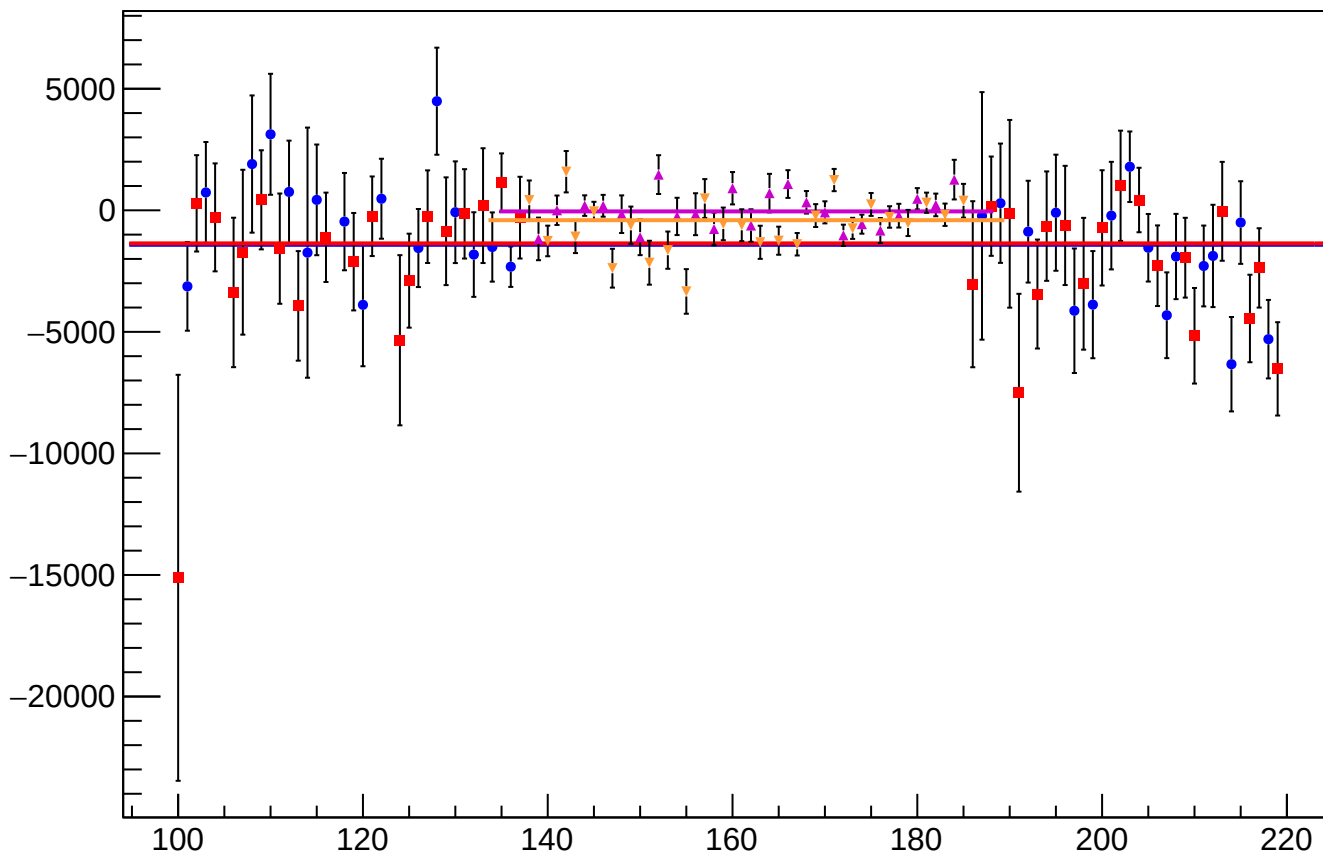
Left In: 58.397 $\pm$ 0.010 χ^2 /NDF:735208.2/22

+ sign 68.579 $\pm$ 0.008 χ^2 /NDF: 12427281.2/56

All: 69.327 $\pm$ 0.006 χ^2 /NDF: 26608818.8/116

- sign 70.123 $\pm$ 0.009 χ^2 /NDF: 14165492.6/59

asym_sam_3726_avg_reg_correction_mean vs Slug



Right In: -1418.343 $\pm$ 323.814 χ^2 /NDF: 43.8/31

Left Out: -406.322 $\pm$ 113.468 χ^2 /NDF:63.2/24

Right Out: -1360.932 $\pm$ 336.119 χ^2 /NDF: 37.5/36

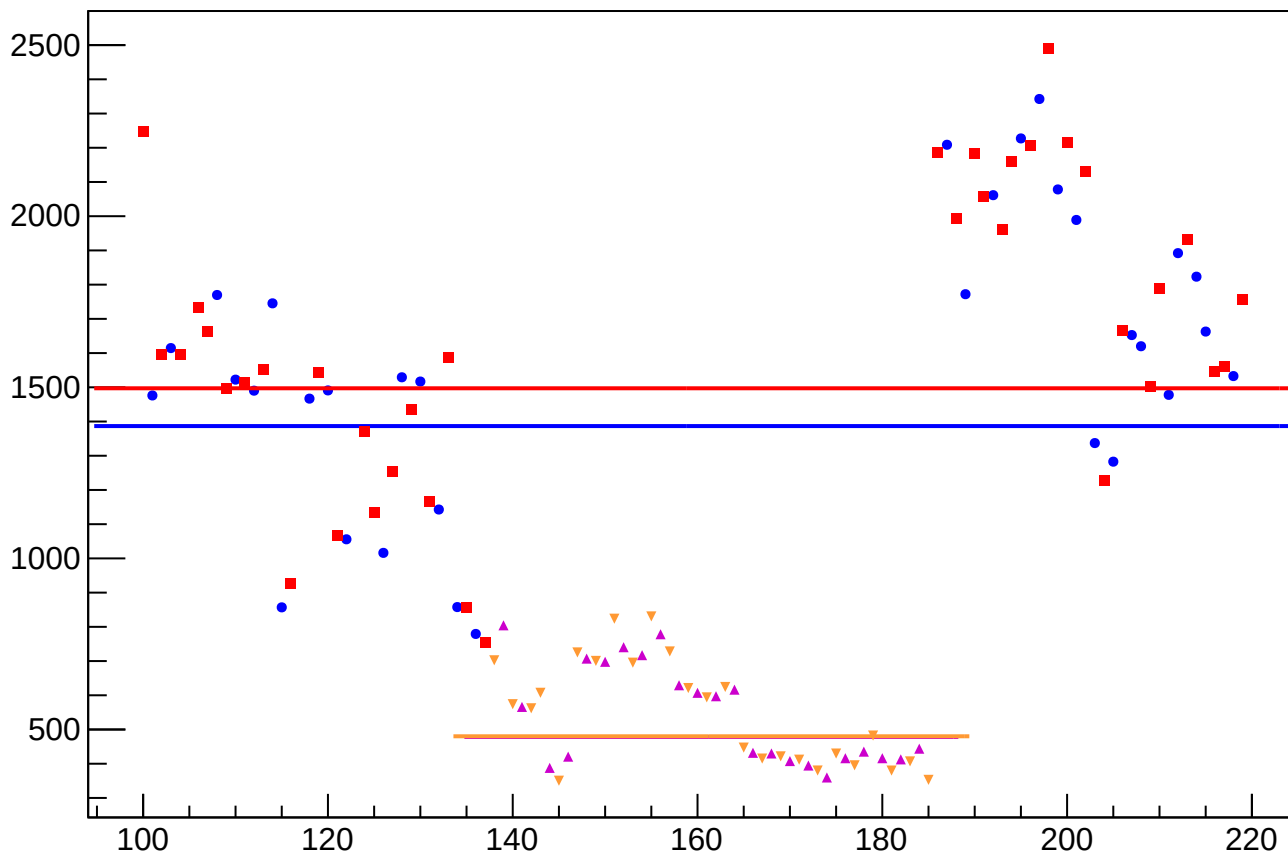
Left In: -44.831 $\pm$ 115.765 χ^2 /NDF:31.1/22

+ sign -516.995 $\pm$ 107.084 χ^2 /NDF: 115.7/56

All: -354.337 $\pm$ 76.544 χ^2 /NDF: 202.6/116

- sign -184.395 $\pm$ 109.455 χ^2 /NDF: 82.2/59

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1386.708+/-0.229 χ^2/NDF : 3354883.2/31

Left Out: 480.162+/-0.080 χ^2/NDF : 2582213.9/24

Right Out: 1497.122+/-0.238 χ^2/NDF : 3124182.0/36

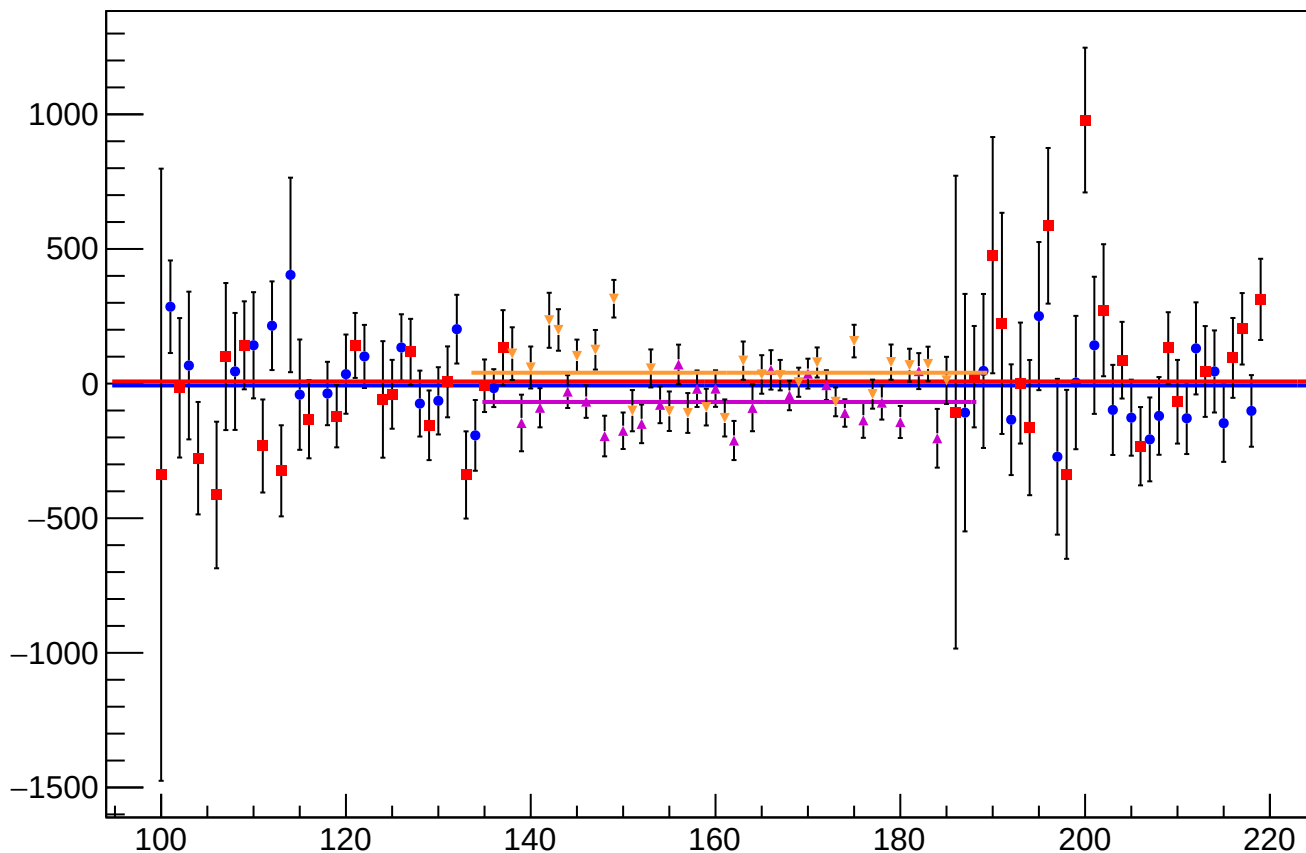
Left In: 478.084+/-0.082 χ^2/NDF : 2215520.4/22

+ sign 579.301+/-0.076 χ^2/NDF : 19898247.5/56

All: 582.648+/-0.054 χ^2/NDF : 41675837.6/11

- sign 586.146+/-0.077 χ^2/NDF : 21773593.6/59

cor_asym_sam_3726_avg_mean vs Slug



Right In: -6.944 ± 26.889 $\chi^2/\text{NDF}: 23.1/31$

Left Out: 40.344 ± 13.402 $\chi^2/\text{NDF}: 59.4/24$

Right Out: 7.964 ± 27.438 $\chi^2/\text{NDF}: 54.5/36$

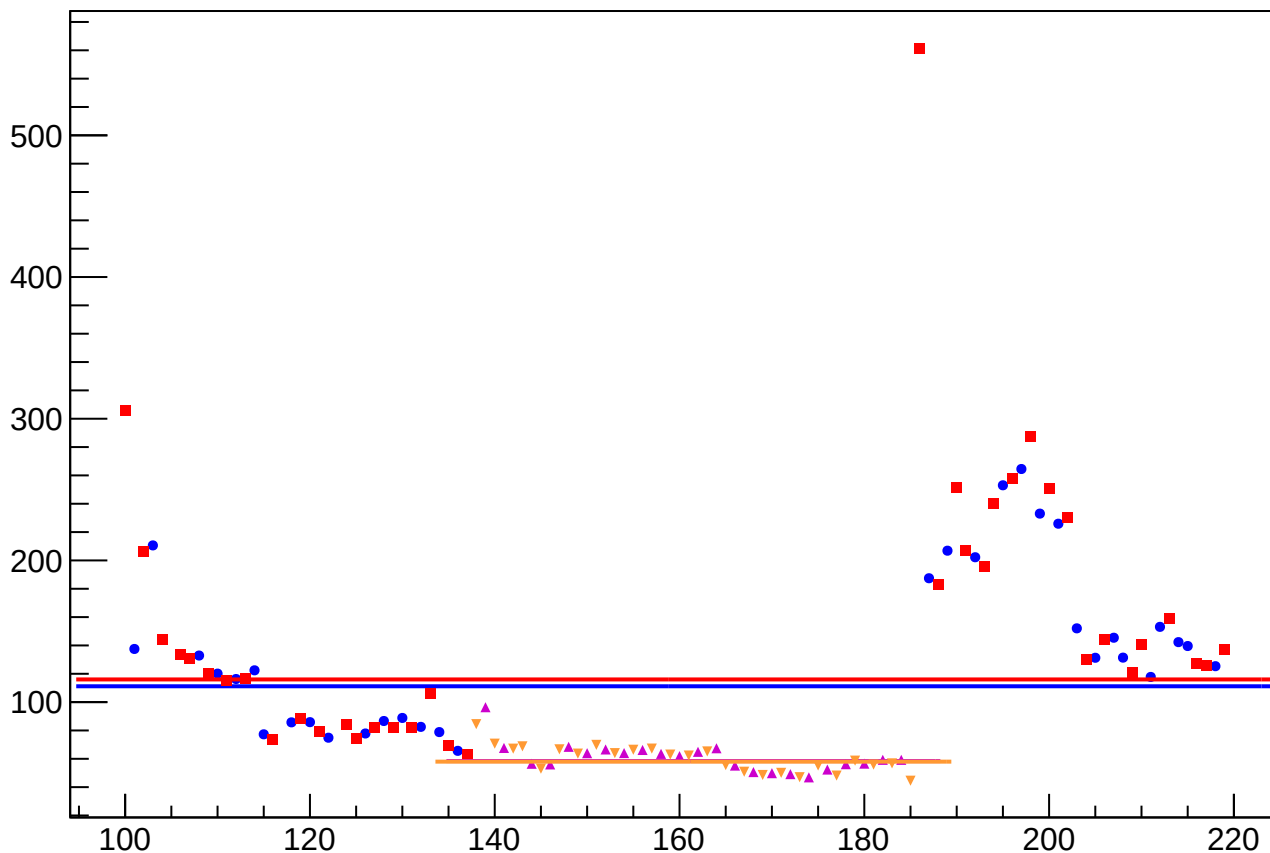
Left In: -68.343 ± 13.866 $\chi^2/\text{NDF}: 31.7/22$

+ sign 30.935 ± 11.995 $\chi^2/\text{NDF}: 85.0/56$

All: -9.633 ± 8.613 $\chi^2/\text{NDF}: 201.0/116$

- sign -52.820 ± 12.376 $\chi^2/\text{NDF}: 92.4/59$

cor_asym_sam_3726_avg_rms vs Slug



Right In: 111.183 $\pm$ 0.019 χ^2 /NDF: 5351592.0/31

Left Out: 57.996 $\pm$ 0.009 χ^2 /NDF:807648.7/24

Right Out: 116.012 $\pm$ 0.019 χ^2 /NDF: 6398540.6/36

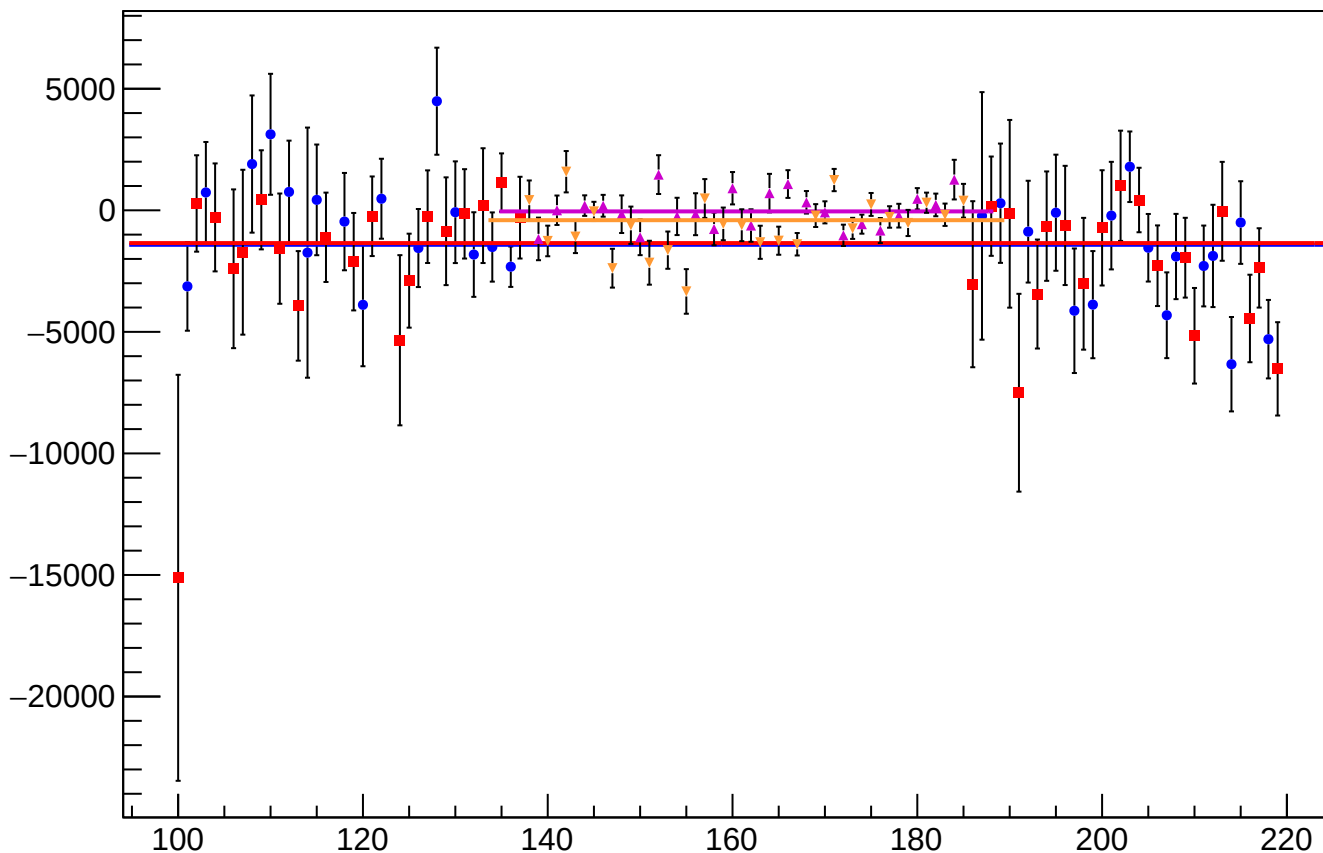
Left In: 58.397 $\pm$ 0.010 χ^2 /NDF:735208.2/22

+ sign 68.579 $\pm$ 0.008 χ^2 /NDF: 12427283.5/56

All: 69.324 $\pm$ 0.006 χ^2 /NDF: 26601499.1/116

- sign 70.118 $\pm$ 0.009 χ^2 /NDF: 14158274.1/59

asym_sam_3726_avg_cor_correction_mean vs Slug



Right In: -1418.328 ± 323.815 χ^2/NDF : 43.8/31

Left Out: -406.320 ± 113.468 χ^2/NDF : 63.2/24

Right Out: -1348.091 ± 336.355 χ^2/NDF : 37.1/36

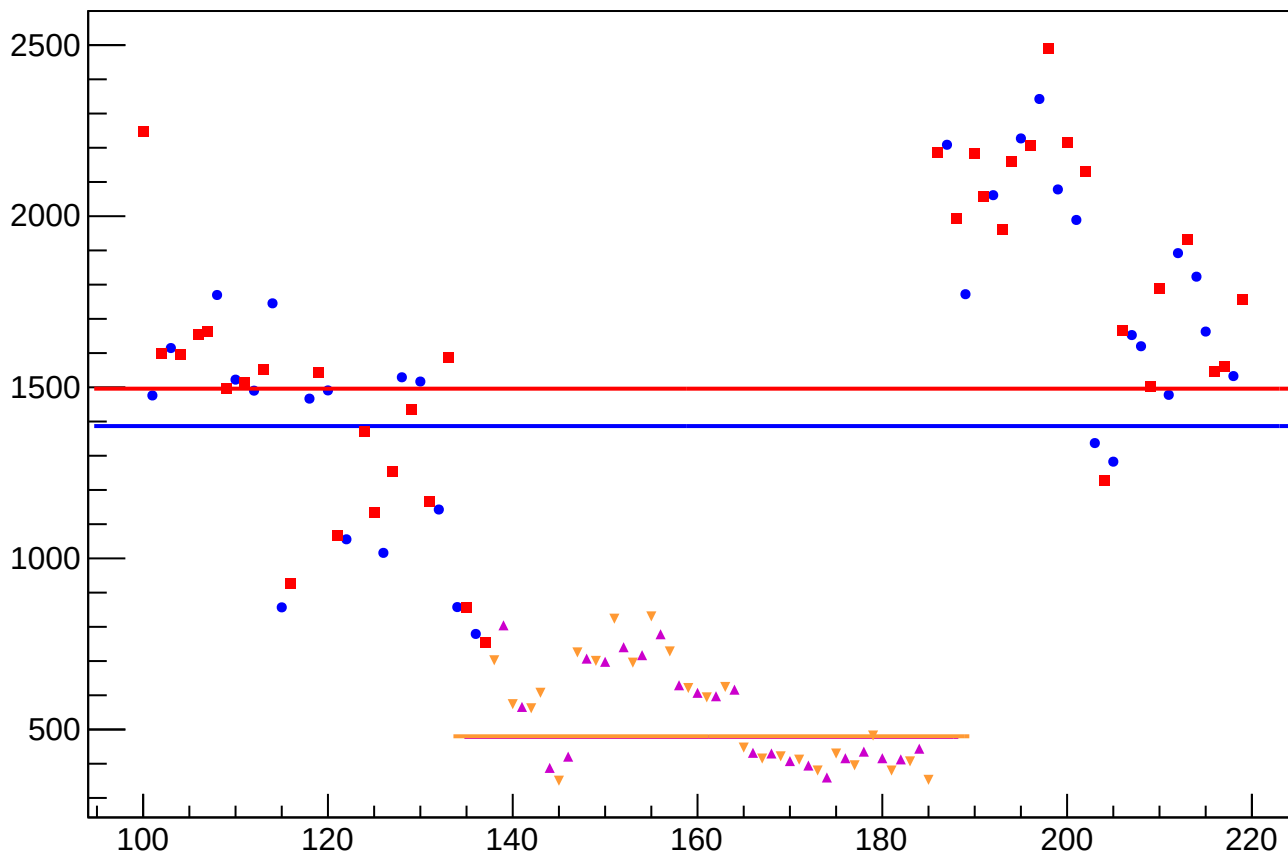
Left In: -44.830 ± 115.765 χ^2/NDF : 31.1/22

+ sign -516.992 ± 107.084 χ^2/NDF : 115.7/56

All: -353.597 ± 76.547 χ^2/NDF : 202.1/116

- sign -182.859 ± 109.463 χ^2/NDF : 81.6/59

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1386.710 ± 0.229 $\chi^2/\text{NDF}: 3354909.1/31$

Left Out: 480.162 ± 0.080 $\chi^2/\text{NDF}: 2582209.1/24$

Right Out: 1496.001 ± 0.238 $\chi^2/\text{NDF}: 3117147.4/36$

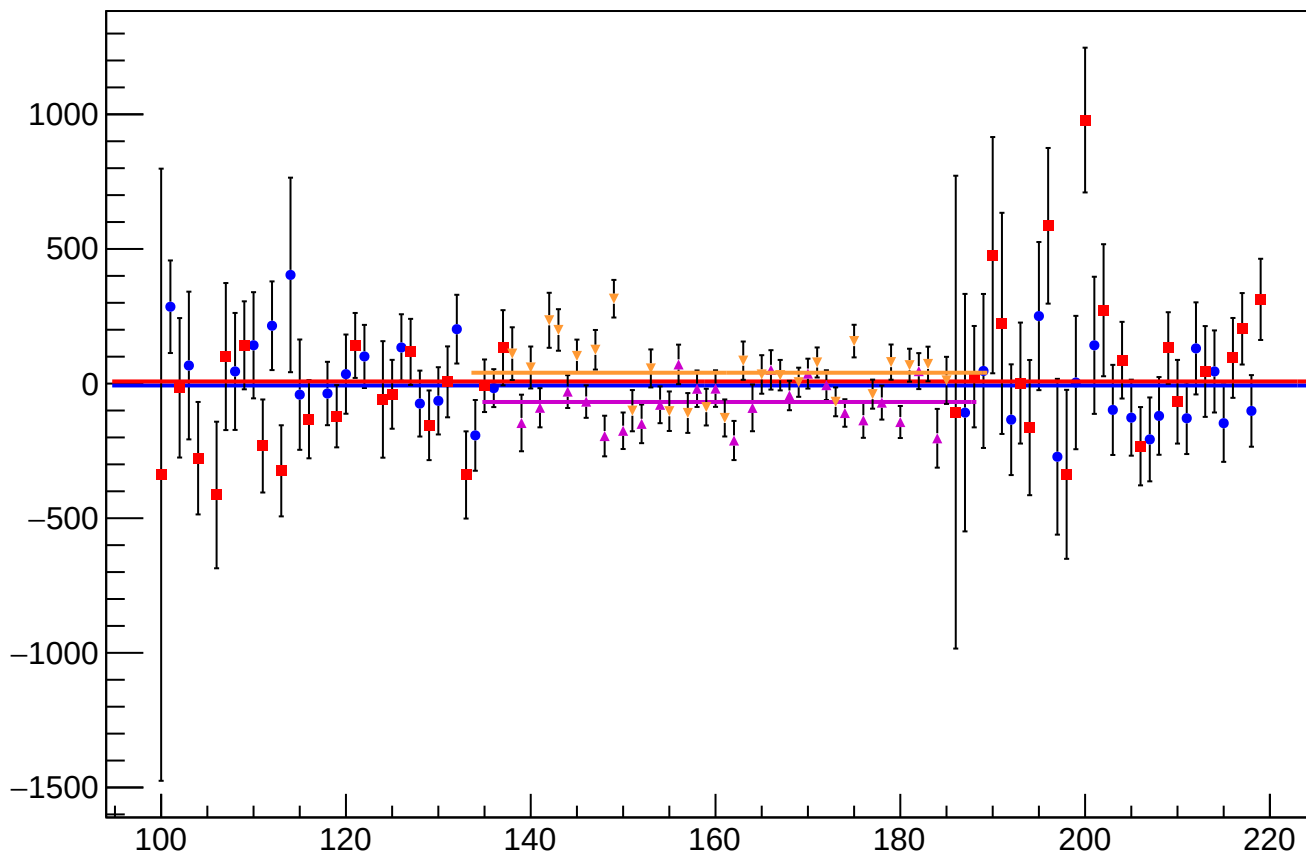
Left In: 478.084 ± 0.082 $\chi^2/\text{NDF}: 2215518.9/22$

+ sign 579.301 ± 0.076 $\chi^2/\text{NDF}: 19898276.7/56$

All: 582.524 ± 0.054 $\chi^2/\text{NDF}: 41611831.4/11$

- sign 585.892 ± 0.077 $\chi^2/\text{NDF}: 21709849.5/59$

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: -6.944 ± 26.889 $\chi^2/\text{NDF}: 23.1/31$

Left Out: 40.344 ± 13.402 $\chi^2/\text{NDF}: 59.4/24$

Right Out: 7.964 ± 27.438 $\chi^2/\text{NDF}: 54.5/36$

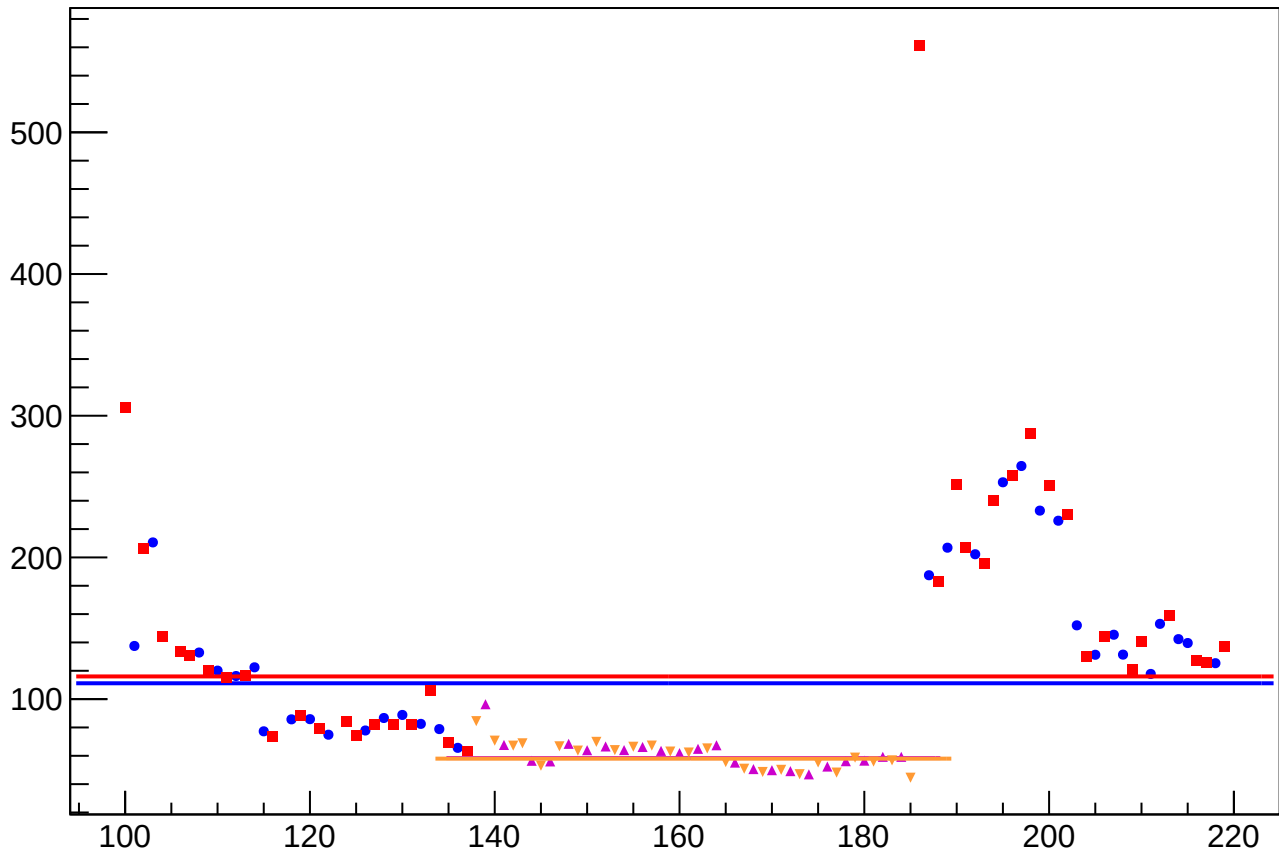
Left In: -68.343 ± 13.866 $\chi^2/\text{NDF}: 31.7/22$

+ sign 30.935 ± 11.995 $\chi^2/\text{NDF}: 85.0/56$

All: -9.633 ± 8.613 $\chi^2/\text{NDF}: 201.0/116$

- sign -52.820 ± 12.376 $\chi^2/\text{NDF}: 92.4/59$

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 111.183 $\pm$ 0.019 χ^2/NDF : 5351592.0/31

Left Out: 57.996 $\pm$ 0.009 χ^2/NDF : 807648.7/24

Right Out: 116.012 $\pm$ 0.019 χ^2/NDF : 6398540.6/36

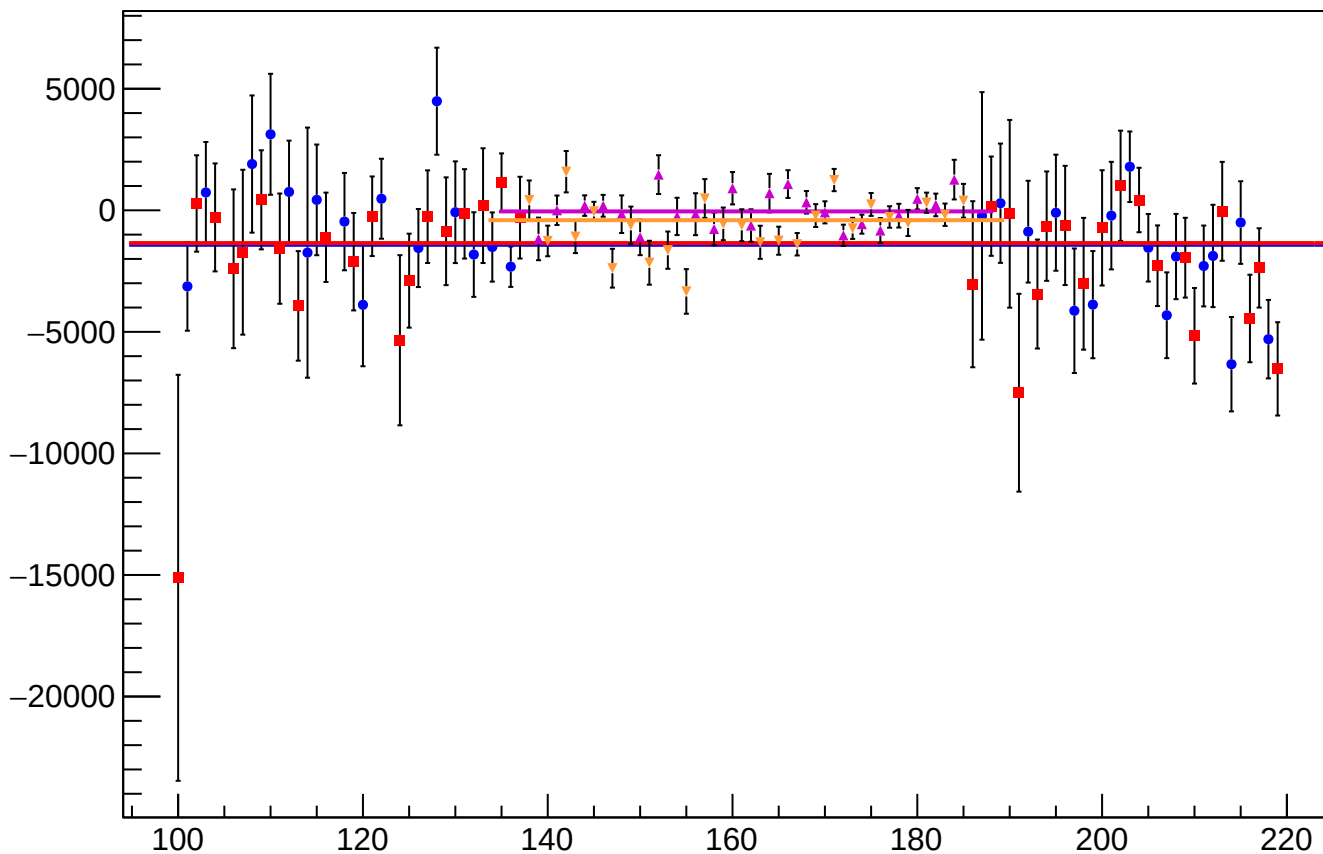
Left In: 58.397 $\pm$ 0.010 χ^2/NDF : 735208.2/22

+ sign 68.579 $\pm$ 0.008 χ^2/NDF : 12427283.5/56

All: 69.324 $\pm$ 0.006 χ^2/NDF : 26601499.1/116

- sign 70.118 $\pm$ 0.009 χ^2/NDF : 14158274.1/59

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug



Right In: -1418.328 ± 323.815 χ^2/NDF : 43.8/31

Left Out: -406.320 ± 113.468 χ^2/NDF : 63.2/24

Right Out: -1348.091 ± 336.355 χ^2/NDF : 37.1/36

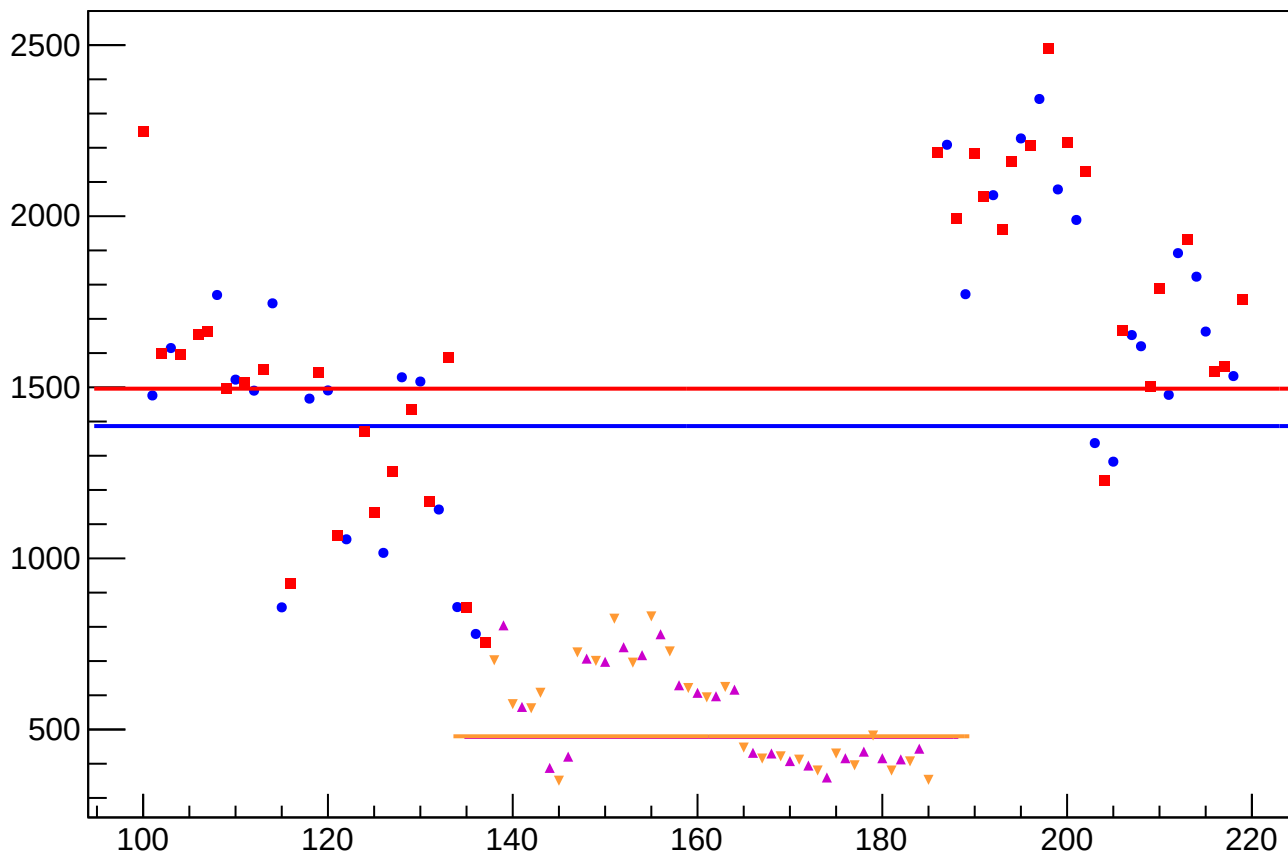
Left In: -44.830 ± 115.765 χ^2/NDF : 31.1/22

+ sign -516.992 ± 107.084 χ^2/NDF : 115.7/56

All: -353.597 ± 76.547 χ^2/NDF : 202.1/116

- sign -182.859 ± 109.463 χ^2/NDF : 81.6/59

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1386.710+/-0.229 χ^2/NDF : 3354909.1/31

Left Out: 480.162+/-0.080 χ^2/NDF : 2582209.1/24

Right Out: 1496.001+/-0.238 χ^2/NDF : 3117147.4/36

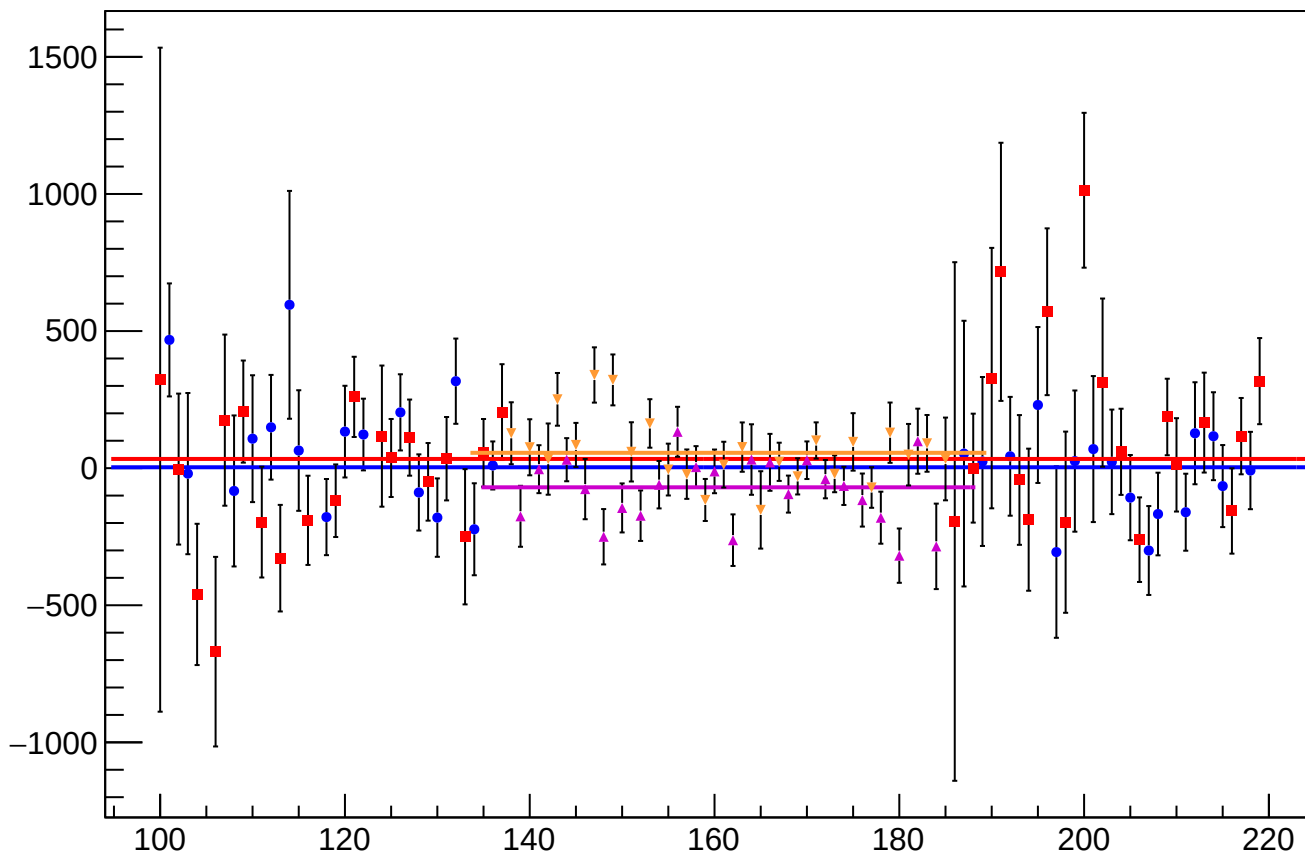
Left In: 478.084+/-0.082 χ^2/NDF : 2215518.9/22

+ sign 579.301+/-0.076 χ^2/NDF : 19898276.7/56

All: 582.524+/-0.054 χ^2/NDF : 41611831.4/11

- sign 585.892+/-0.077 χ^2/NDF : 21709849.5/59

dit_asym_sam_3726_avg_mean vs Slug



Right In: 3.243 ± 30.445 $\chi^2/\text{NDF}: 30.9/31$

Left Out: 55.949 ± 17.949 $\chi^2/\text{NDF}: 38.3/24$

Right Out: 33.630 ± 31.062 $\chi^2/\text{NDF}: 52.8/36$

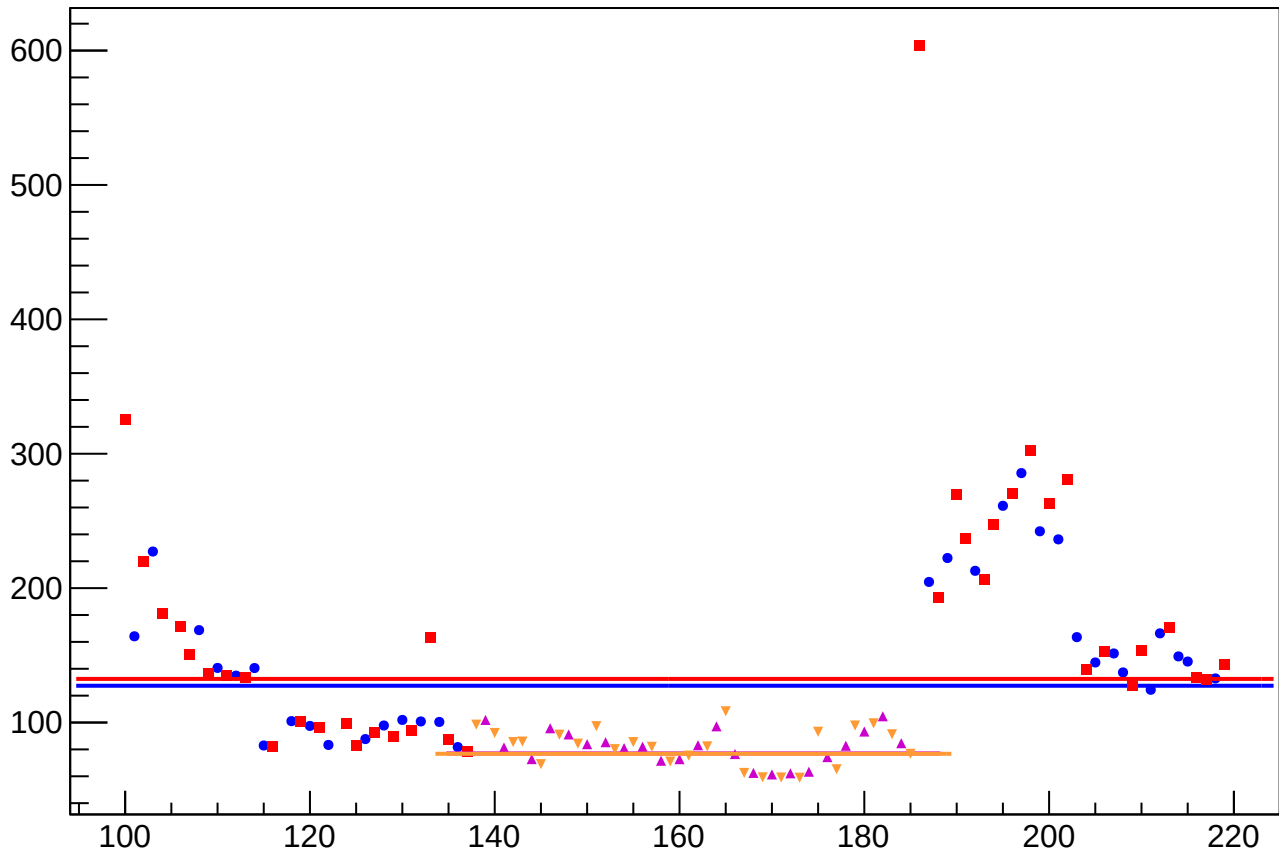
Left In: -69.844 ± 18.497 $\chi^2/\text{NDF}: 34.5/22$

+ sign 42.354 ± 15.462 $\chi^2/\text{NDF}: 71.4/56$

All: 0.966 ± 11.082 $\chi^2/\text{NDF}: 181.7/116$

- sign -42.757 ± 15.892 $\chi^2/\text{NDF}: 95.6/59$

dit_asym_sam_3726_avg_rms vs Slug



Right In: 127.370 $\pm$ 0.022 χ^2 /NDF: 4313603.9/31

Left Out: 76.744 $\pm$ 0.013 χ^2 /NDF:1234629.1/24

Right Out: 132.460 $\pm$ 0.022 χ^2 /NDF: 5570721.0/36

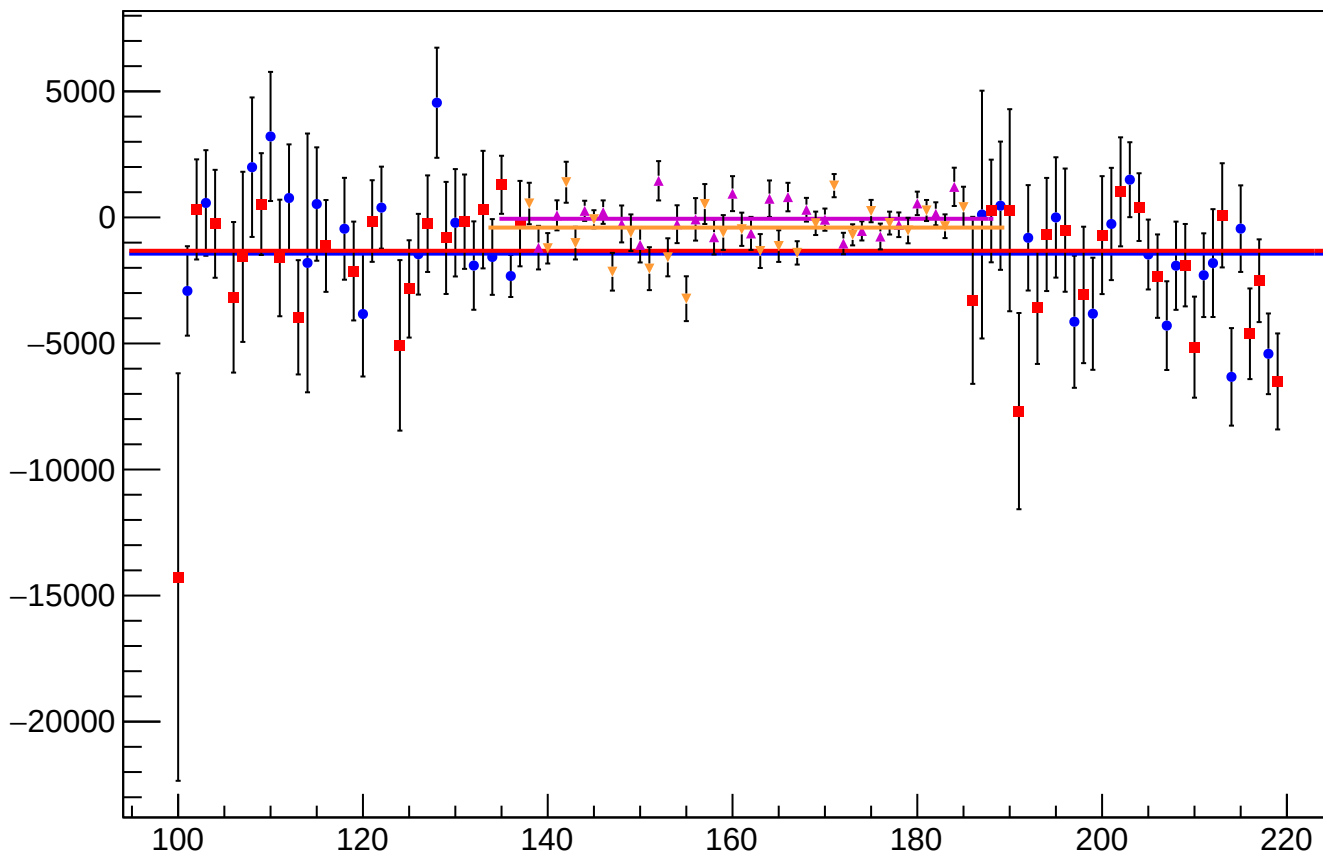
Left In: 77.018 $\pm$ 0.013 χ^2 /NDF:858871.7/22

+ sign 89.802 $\pm$ 0.011 χ^2 /NDF: 9652283.2/56

All: 90.643 $\pm$ 0.008 χ^2 /NDF: 20797821.9/116

- sign 91.531 $\pm$ 0.011 χ^2 /NDF: 11133380.1/59

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -1436.161 ± 325.256 χ^2/NDF : 43.2/31

Left Out: -403.375 ± 111.773 χ^2/NDF : 60.7/24

Right Out: -1323.769 ± 334.213 χ^2/NDF : 39.6/36

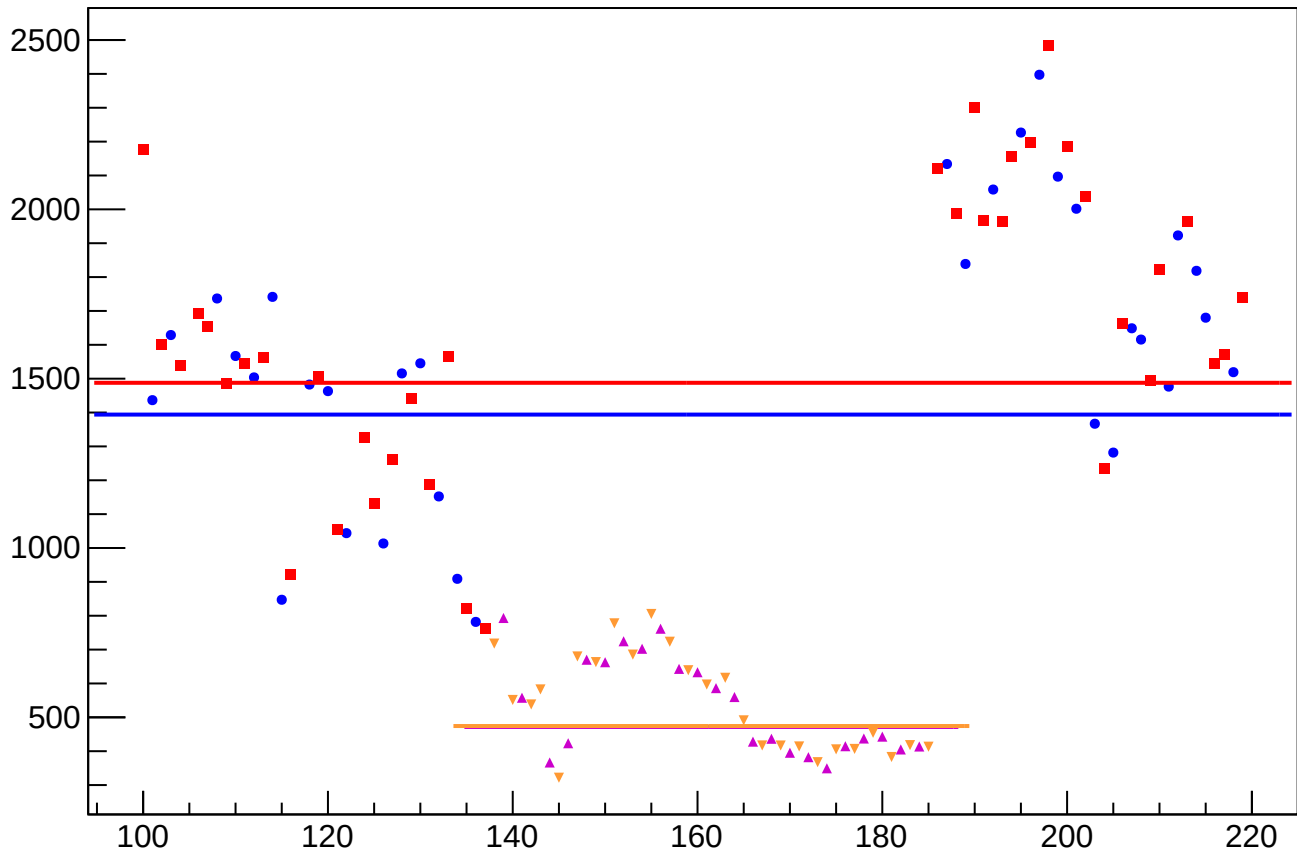
Left In: -54.192 ± 114.223 χ^2/NDF : 30.7/22

+ sign -512.458 ± 105.706 χ^2/NDF : 112.9/56

All: -353.339 ± 75.572 χ^2/NDF : 200.8/116

- sign -186.976 ± 108.085 χ^2/NDF : 83.2/59

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1393.959+/-0.230 χ^2/NDF : 3326421.6/31

Left Out: 474.294+/-0.079 χ^2/NDF : 2538995.4/24

+ sign 571.429+/-0.075 χ^2/NDF : 20166263.5/56

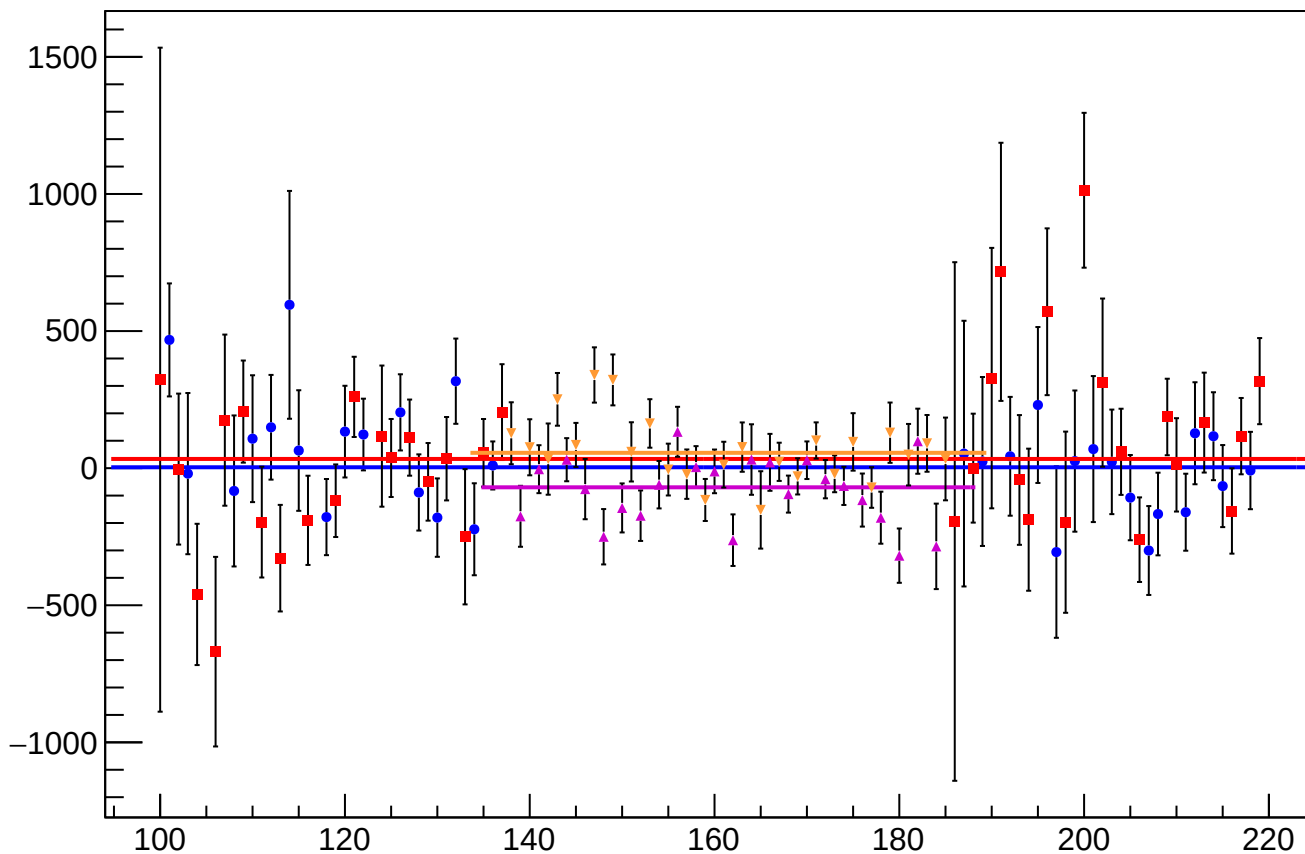
Right Out: 1487.817+/-0.236 χ^2/NDF : 3185737.0/36

All: 574.522+/-0.053 χ^2/NDF : 42126454.1/11

Left In: 471.456+/-0.081 χ^2/NDF : 2209343.4/22

- sign 577.756+/-0.076 χ^2/NDF : 21956687.9/59

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 3.245 ± 30.444 $\chi^2/\text{NDF}: 30.9/31$

Left Out: 55.948 ± 17.949 $\chi^2/\text{NDF}: 38.3/24$

Right Out: 33.633 ± 31.062 $\chi^2/\text{NDF}: 52.8/36$

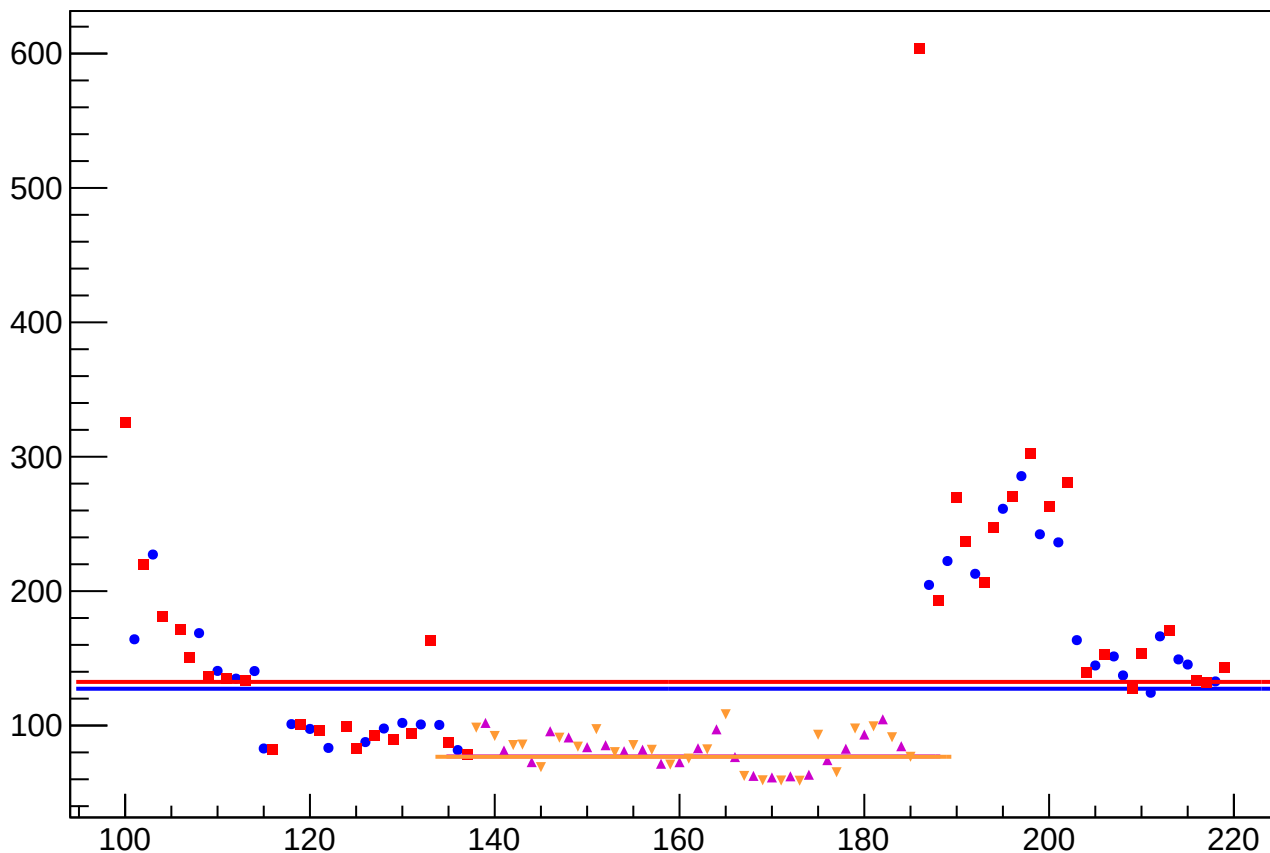
Left In: -69.843 ± 18.497 $\chi^2/\text{NDF}: 34.5/22$

+ sign 42.354 ± 15.462 $\chi^2/\text{NDF}: 71.4/56$

All: 0.967 ± 11.082 $\chi^2/\text{NDF}: 181.7/116$

- sign -42.756 ± 15.892 $\chi^2/\text{NDF}: 95.6/59$

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 127.370 $\pm$ 0.022 χ^2 /NDF: 4313617.2/31

Left Out: 76.744 $\pm$ 0.013 χ^2 /NDF:1234627.7/24

Right Out: 132.460 $\pm$ 0.022 χ^2 /NDF: 5570732.2/36

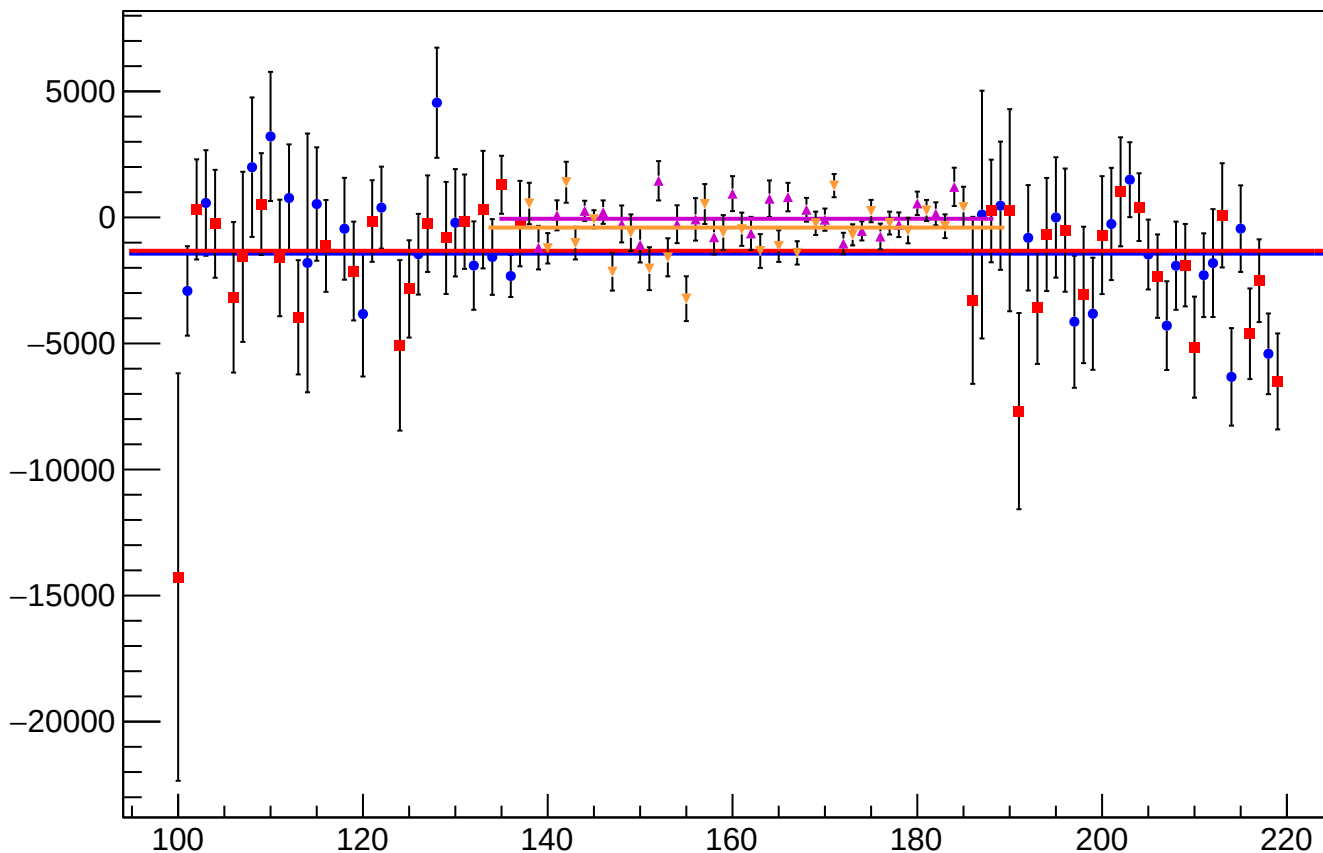
Left In: 77.018 $\pm$ 0.013 χ^2 /NDF:858863.2/22

+ sign 89.802 $\pm$ 0.011 χ^2 /NDF: 9652223.1/56

All: 90.643 $\pm$ 0.008 χ^2 /NDF: 20797694.8/116

- sign 91.531 $\pm$ 0.011 χ^2 /NDF: 11133312.5/59

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug



Right In: -1436.158 ± 325.255 χ^2/NDF : 43.2/31

Left Out: -403.375 ± 111.773 χ^2/NDF : 60.7/24

Right Out: -1323.768 ± 334.212 χ^2/NDF : 39.6/36

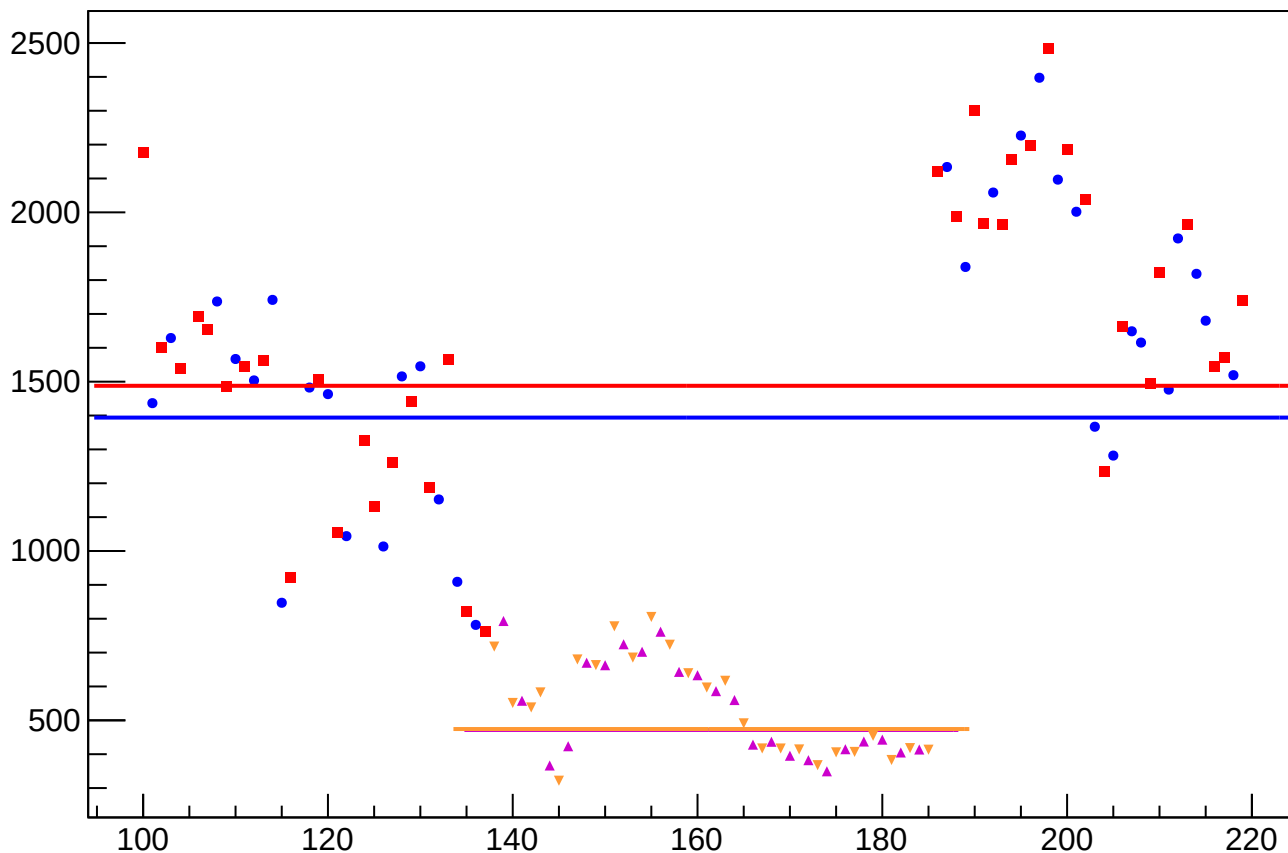
Left In: -54.192 ± 114.223 χ^2/NDF : 30.7/22

+ sign -512.458 ± 105.706 χ^2/NDF : 112.9/56

All: -353.339 ± 75.572 χ^2/NDF : 200.8/116

- sign -186.976 ± 108.085 χ^2/NDF : 83.2/59

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1393.958 $\pm$ 0.230 χ^2 /NDF: 3326413.9/31

Left Out: 474.294 $\pm$ 0.079 χ^2 /NDF: 2538999.2/24

Right Out: 1487.816 $\pm$ 0.236 χ^2 /NDF: 3185733.6/36

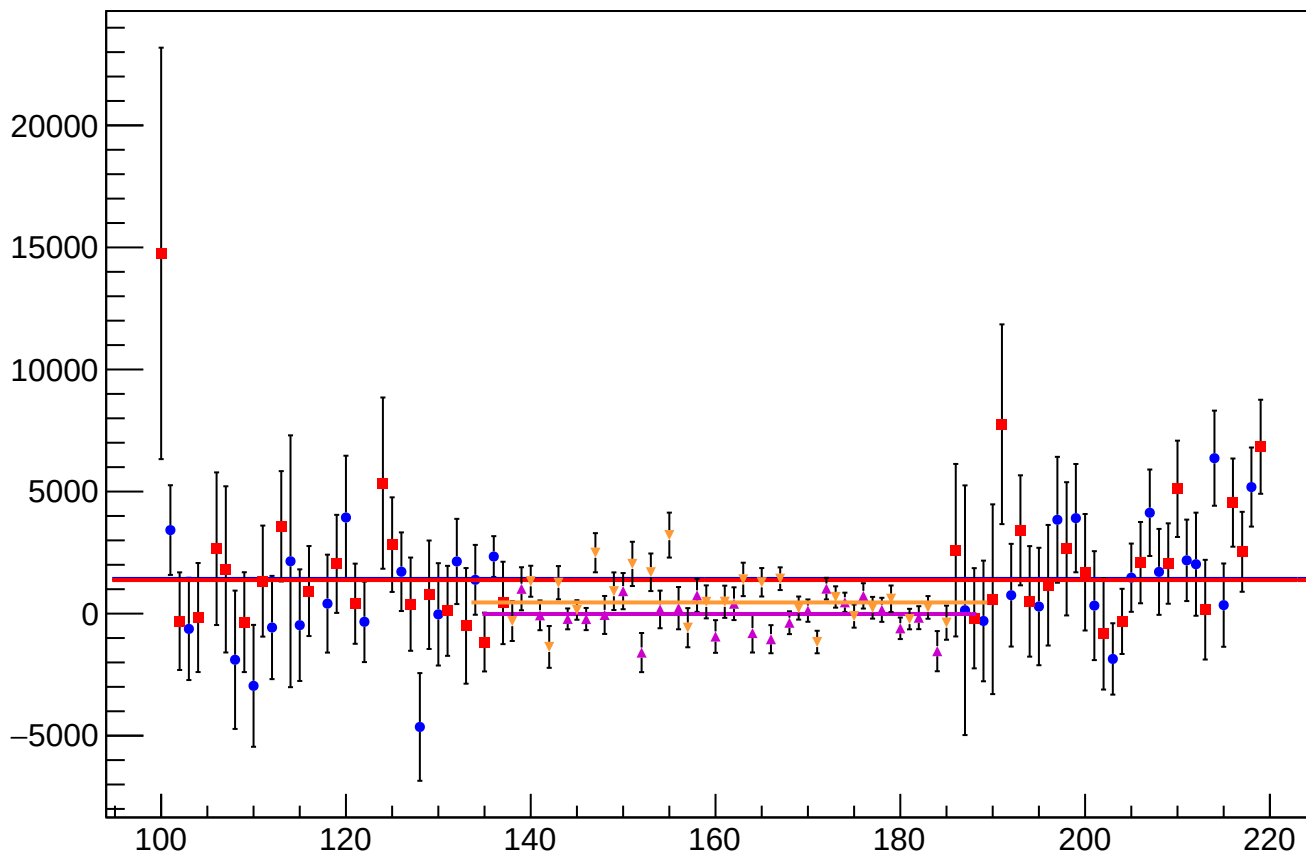
Left In: 471.456 $\pm$ 0.081 χ^2 /NDF: 2209338.4/22

+ sign 571.429 $\pm$ 0.075 χ^2 /NDF: 20166262.9/56

All: 574.522 $\pm$ 0.053 χ^2 /NDF: 42126438.6/11

- sign 577.756 $\pm$ 0.076 χ^2 /NDF: 21956672.9/59

asym_sam_3726_avg_mean vs Slug



Right In: 1420.830 $\pm$ 325.254 χ^2 /NDF: 43.2/31

Left Out: 457.286 $\pm$ 114.351 χ^2 /NDF:59.4/24

Right Out: 1374.589 $\pm$ 337.641 χ^2 /NDF: 37.0/36

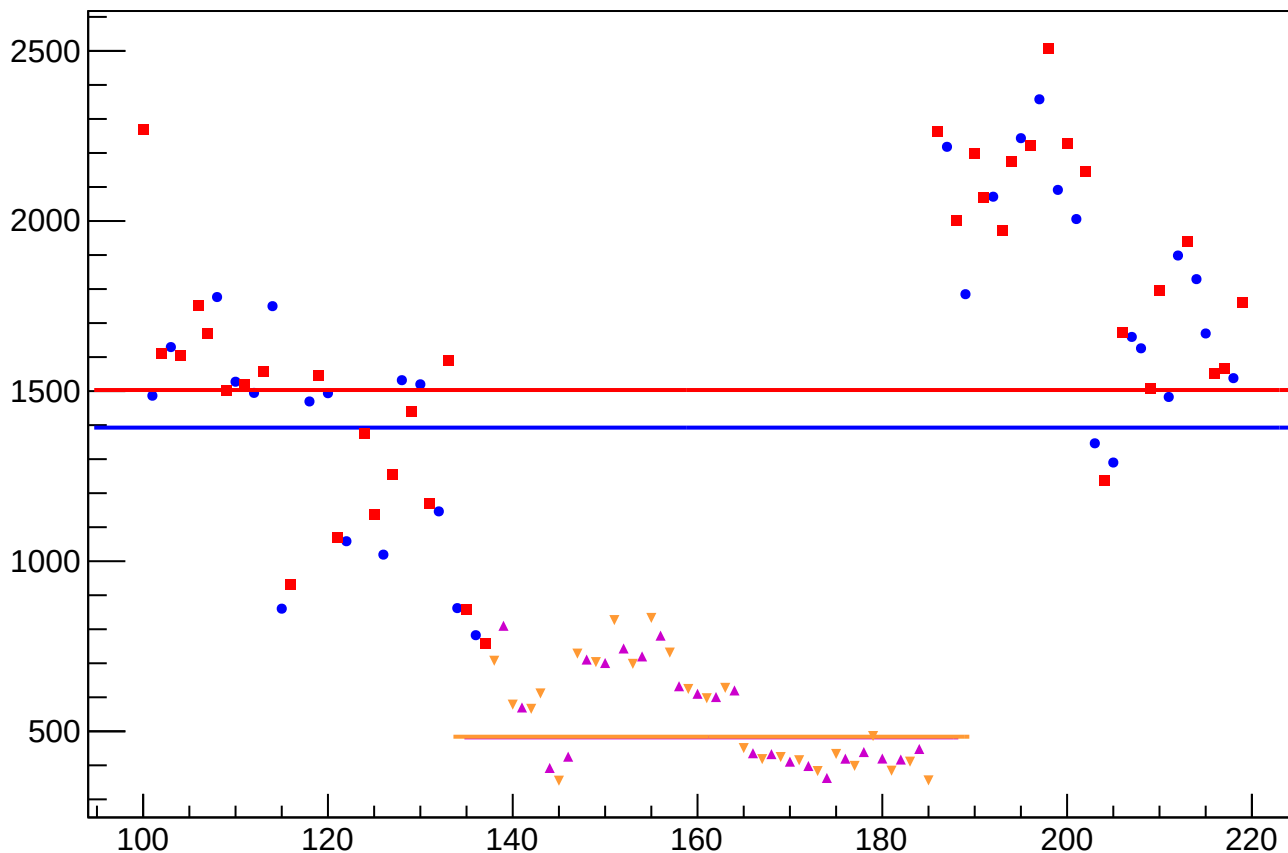
Left In: -15.089 $\pm$ 116.701 χ^2 /NDF:30.3/22

+ sign 563.283 $\pm$ 107.878 χ^2 /NDF: 110.4/56

All: 353.016 $\pm$ 77.123 χ^2 /NDF: 200.5/116

- sign 133.210 $\pm$ 110.298 χ^2 /NDF: 82.4/59

asym_sam_3726_avg_rms vs Slug



Right In: 1392.722 ± 0.230 $\chi^2/\text{NDF}: 3363714.3/31$

Left Out: 484.128 ± 0.081 $\chi^2/\text{NDF}: 2548479.4/24$

Right Out: 1503.225 ± 0.239 $\chi^2/\text{NDF}: 3153572.1/36$

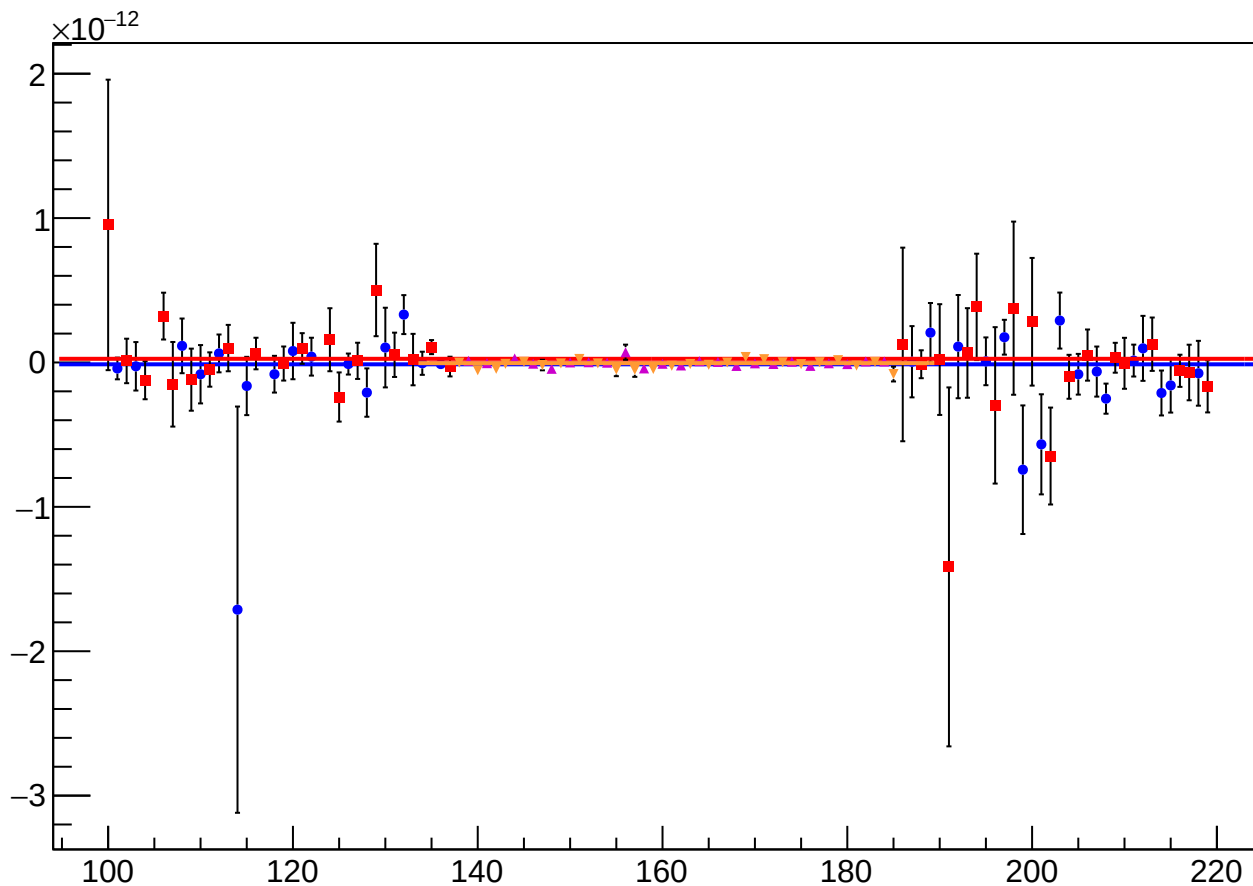
Left In: 482.160 ± 0.083 $\chi^2/\text{NDF}: 2186689.9/22$

+ sign 584.081 ± 0.076 $\chi^2/\text{NDF}: 19802494.1/56$

All: 587.524 ± 0.055 $\chi^2/\text{NDF}: 41485542.6/1$

- sign 591.123 ± 0.078 $\chi^2/\text{NDF}: 21678881.6/59$

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 31.3/31

Left Out: -0.000+/-0.000 χ^2/NDF : 31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 26.4/36

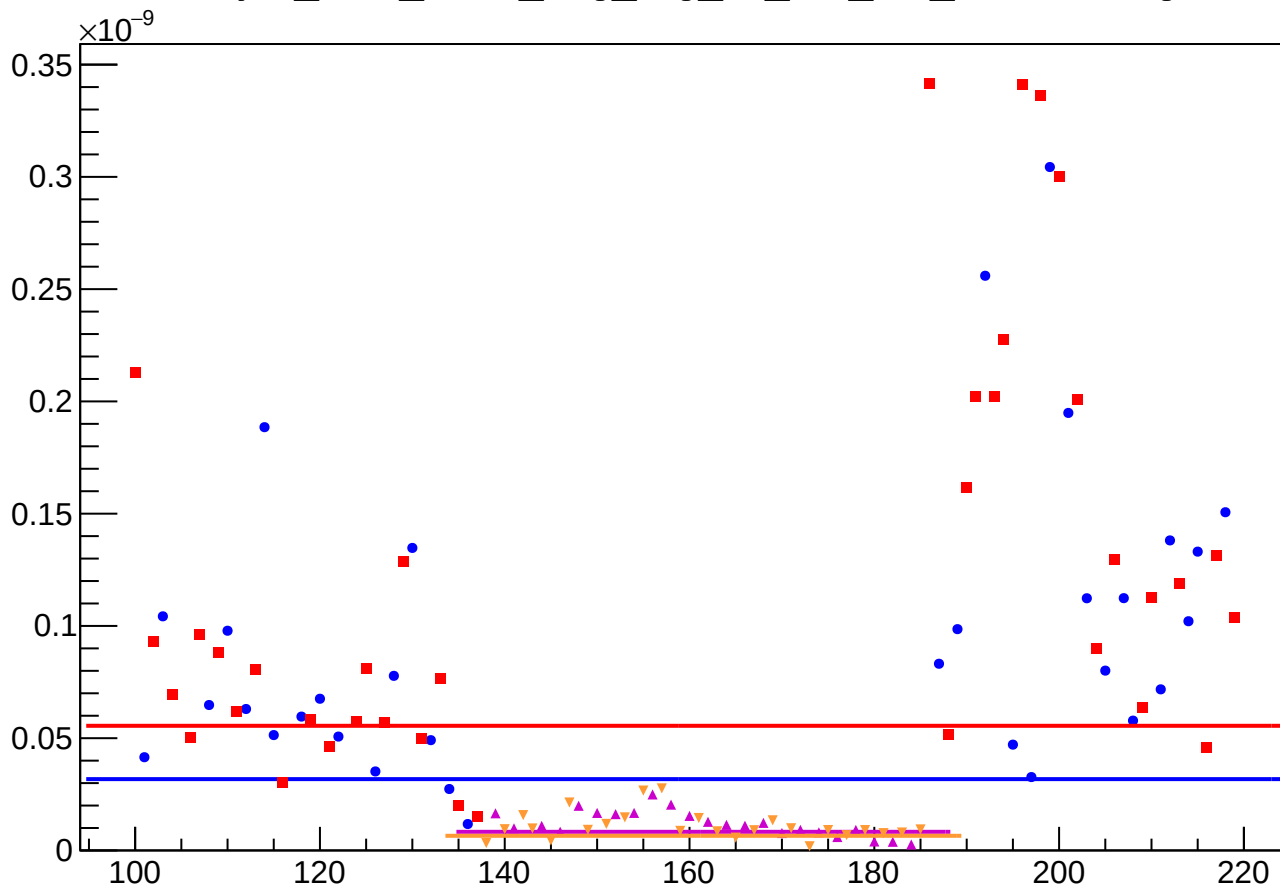
Left In: -0.000+/-0.000 χ^2/NDF : 15.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 62.6/56

All: -0.000+/-0.000 χ^2/NDF : 105.8/116

- sign -0.000+/-0.000 χ^2/NDF : 43.0/59

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9108617.4/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7180253.9/36

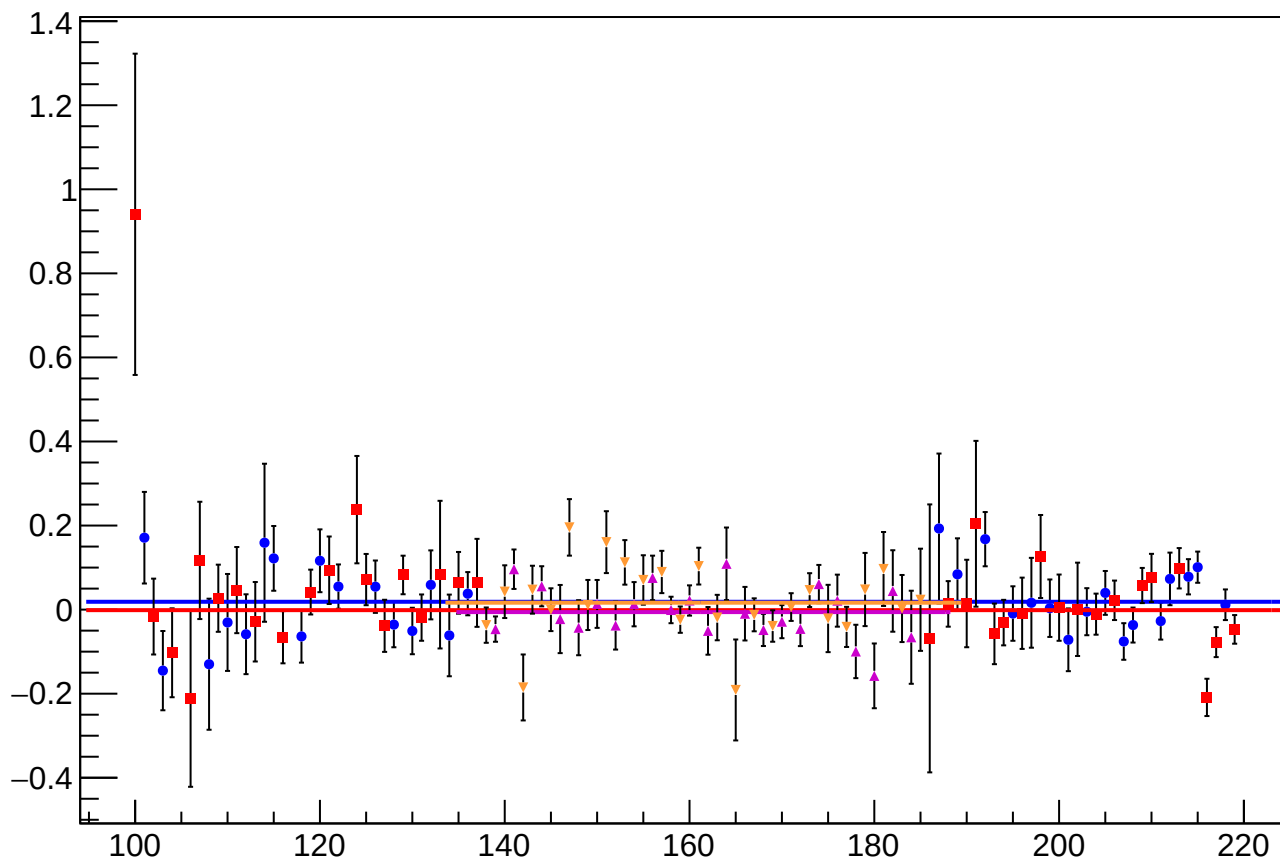
Left In: 0.000+/-0.000 χ^2/NDF : 2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 17607614.5/56

All: 0.000+/-0.000 χ^2/NDF : 36147543.6/116

- sign 0.000+/-0.000 χ^2/NDF : 18177334.8/59

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.019 $\pm$ 0.011 χ^2 /NDF: 41.2/31

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF:41.1/24

Right Out: -0.001 $\pm$ 0.011 χ^2 /NDF: 62.8/36

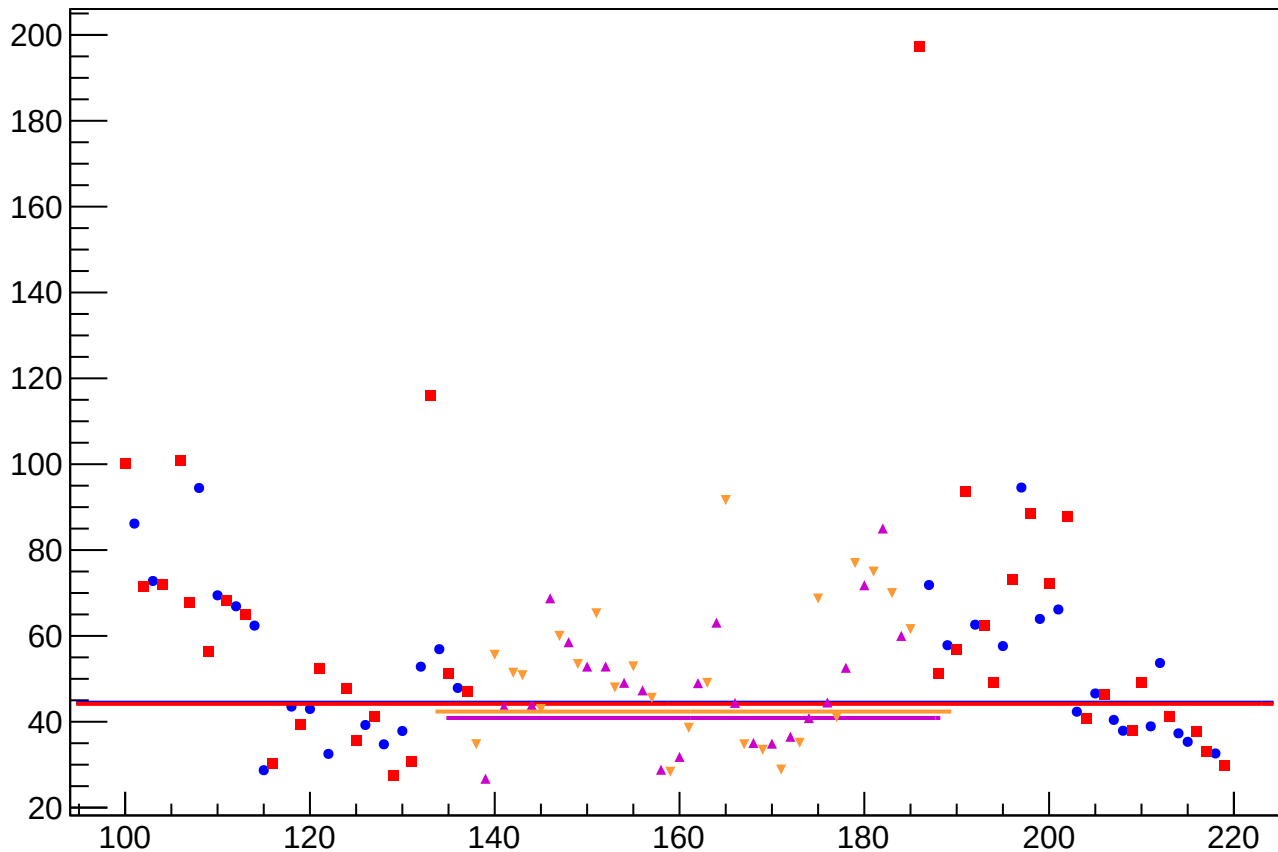
Left In: -0.006 $\pm$ 0.010 χ^2 /NDF:26.0/22

+ sign 0.018 $\pm$ 0.007 χ^2 /NDF: 82.3/56

All: 0.007 $\pm$ 0.005 χ^2 /NDF: 175.3/116

- sign -0.004 $\pm$ 0.007 χ^2 /NDF: 88.9/59

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 44.448 $\pm$ 0.008 χ^2 /NDF: 2907158.7/31

Left Out: 42.375 $\pm$ 0.007 χ^2 /NDF: 3190972.5/24

Right Out: 44.177 $\pm$ 0.007 χ^2 /NDF: 4403698.7/36

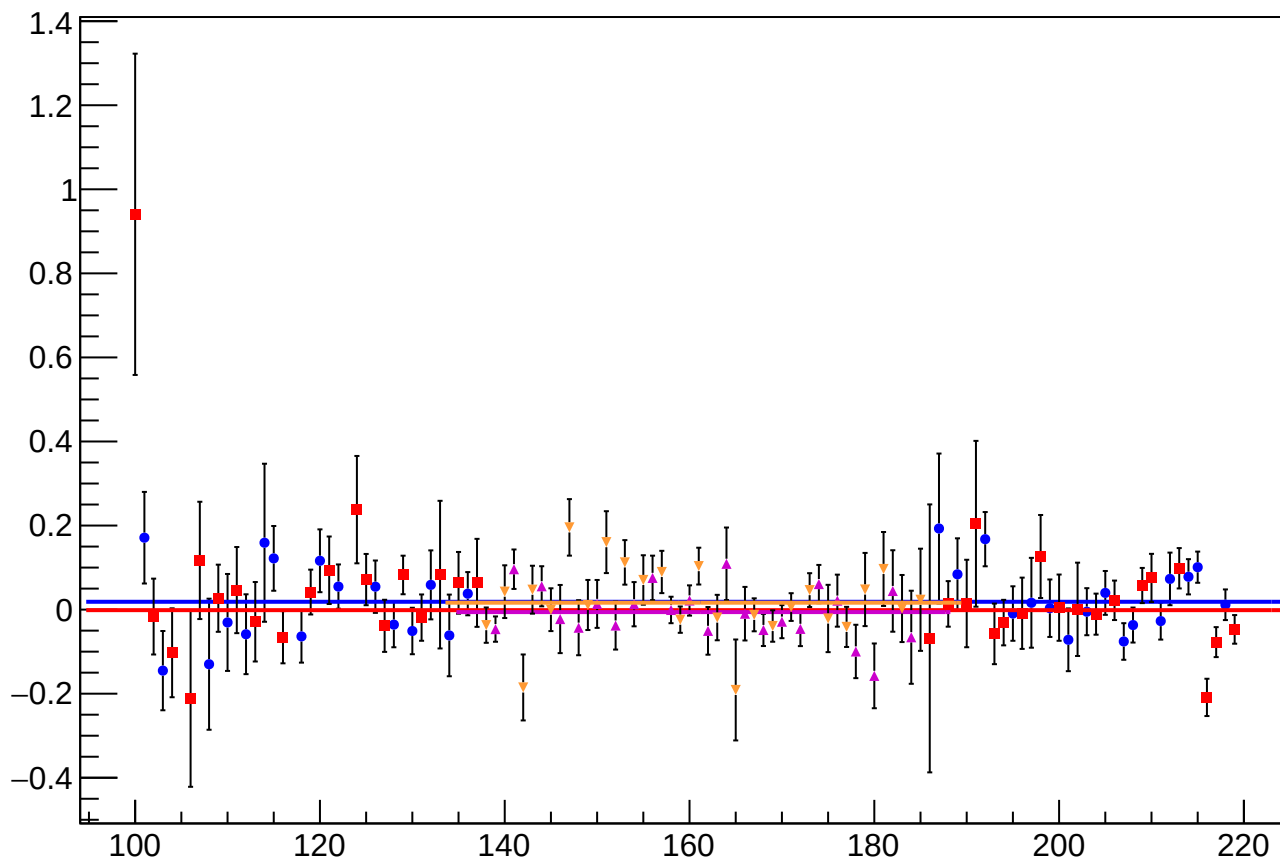
Left In: 40.881 $\pm$ 0.007 χ^2 /NDF: 2678327.2/22

+ sign 43.376 $\pm$ 0.005 χ^2 /NDF: 6136894.5/56

All: 42.925 $\pm$ 0.004 χ^2 /NDF: 13333370.1/116

- sign 42.483 $\pm$ 0.005 χ^2 /NDF: 7181947.2/59

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019 ± 0.011 χ^2/NDF : 41.2/31

Left Out: 0.016 ± 0.010 χ^2/NDF : 41.1/24

Right Out: -0.001 ± 0.011 χ^2/NDF : 62.8/36

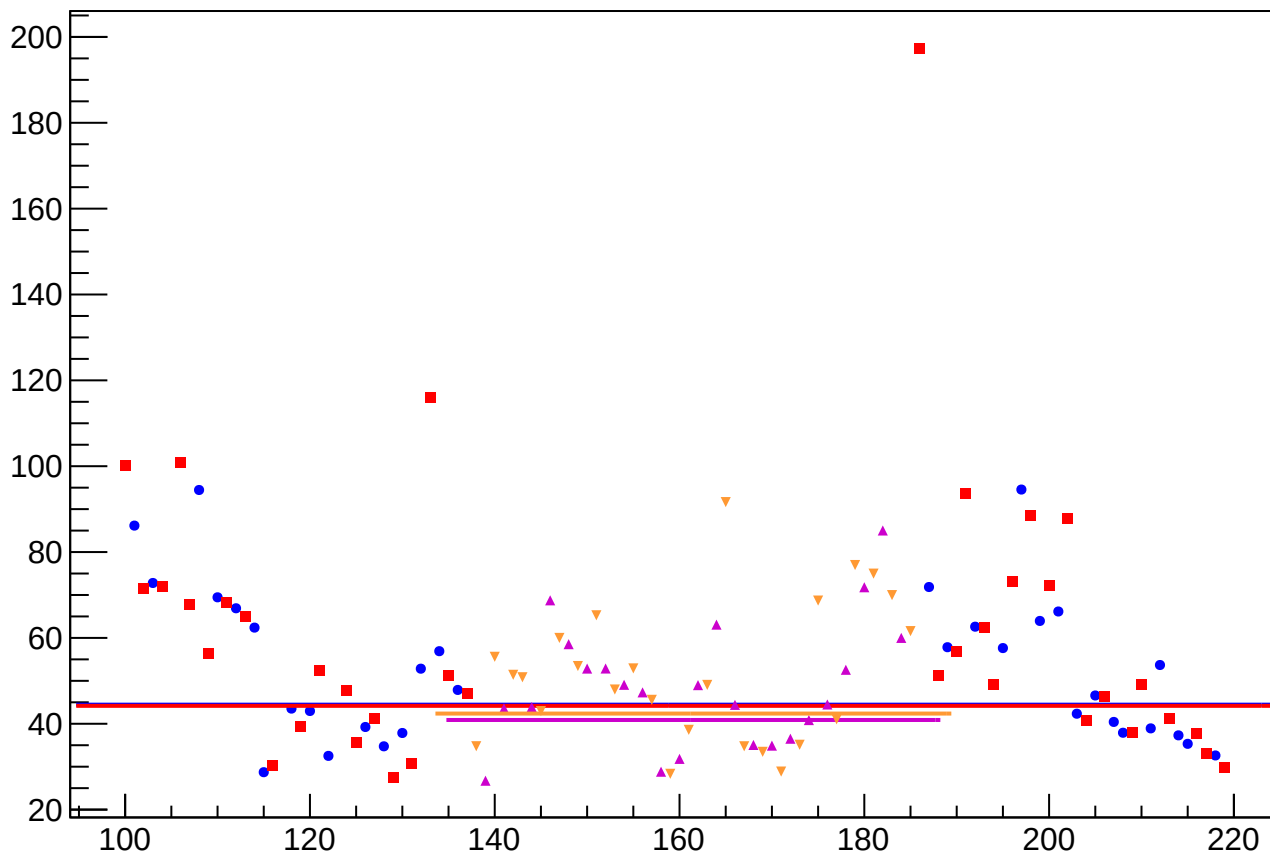
Left In: -0.006 ± 0.010 χ^2/NDF : 26.0/22

+ sign 0.018 ± 0.007 χ^2/NDF : 82.3/56

All: 0.007 ± 0.005 χ^2/NDF : 175.3/116

- sign -0.004 ± 0.007 χ^2/NDF : 88.9/59

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.448 $\pm$ 0.008 χ^2 /NDF: 2907158.7/31

Left Out: 42.375 $\pm$ 0.007 χ^2 /NDF: 3190972.5/24

Right Out: 44.177 $\pm$ 0.007 χ^2 /NDF: 4403698.7/36

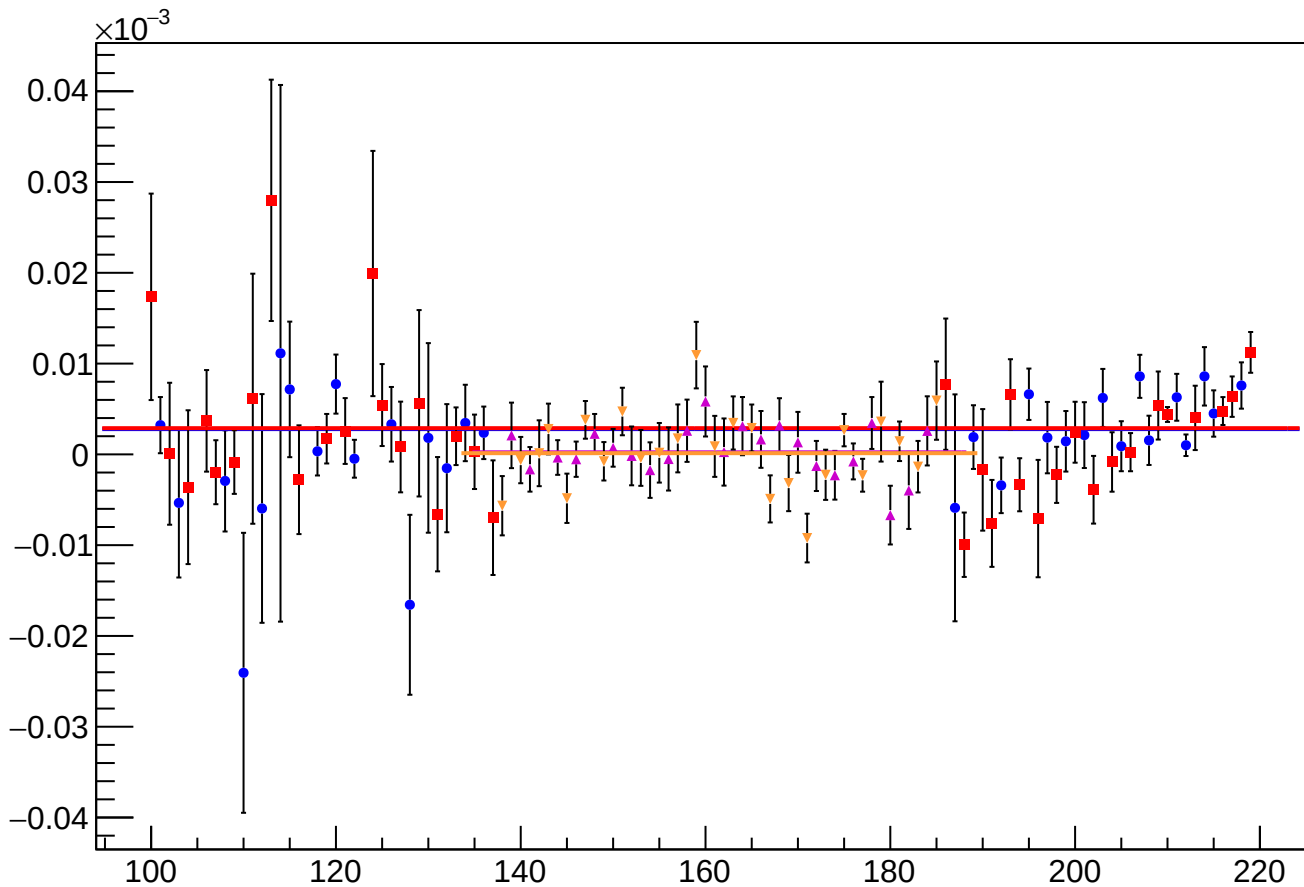
Left In: 40.881 $\pm$ 0.007 χ^2 /NDF: 2678327.2/22

+ sign 43.376 $\pm$ 0.005 χ^2 /NDF: 6136894.5/56

All: 42.925 $\pm$ 0.004 χ^2 /NDF: 13333370.1/116

- sign 42.483 $\pm$ 0.005 χ^2 /NDF: 7181947.2/59

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.8/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:49.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 74.8/36

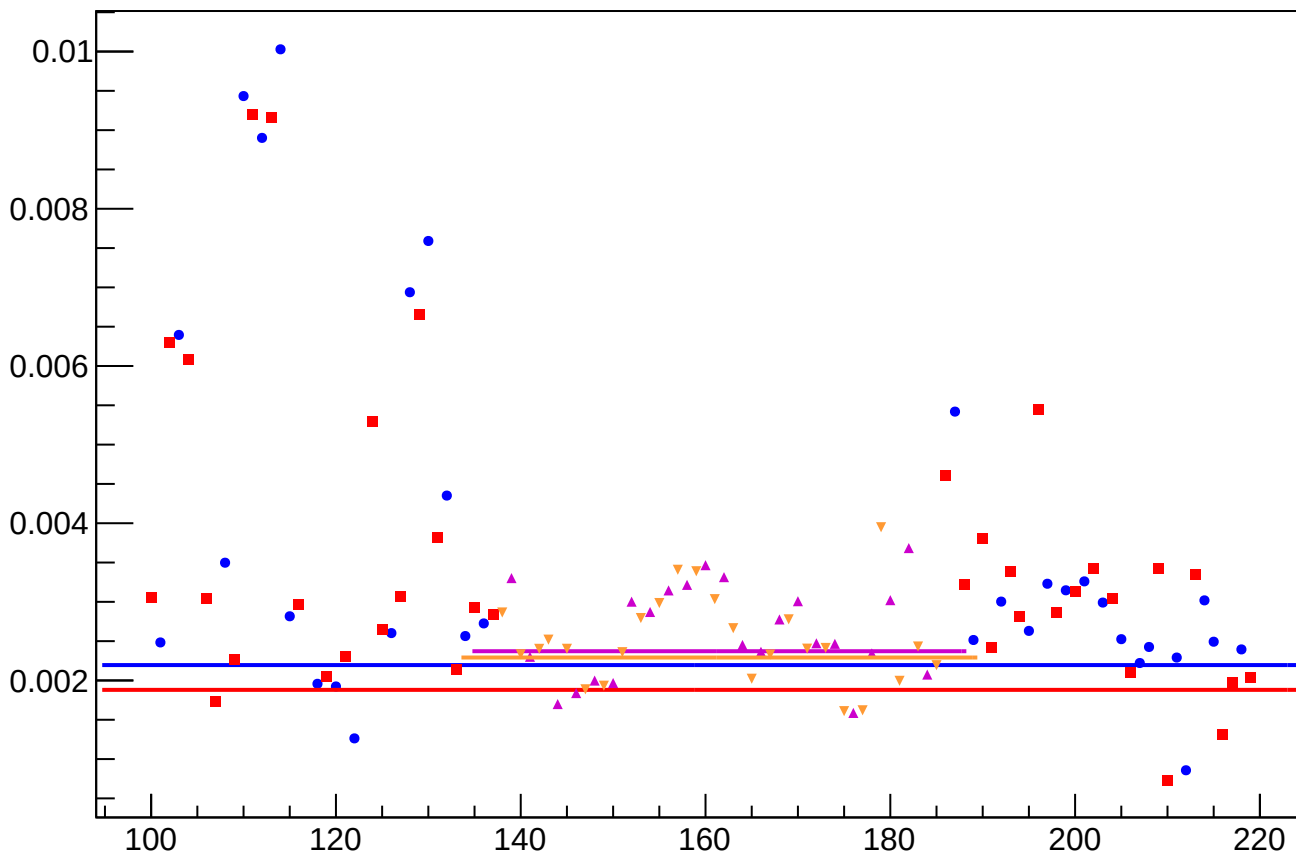
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 103.6/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 207.0/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 103.0/59

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 ± 0.000 χ^2/NDF : 7214155.9/31

Left Out: 0.002 ± 0.000 χ^2/NDF : 1818891.6/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 11554085.0/36

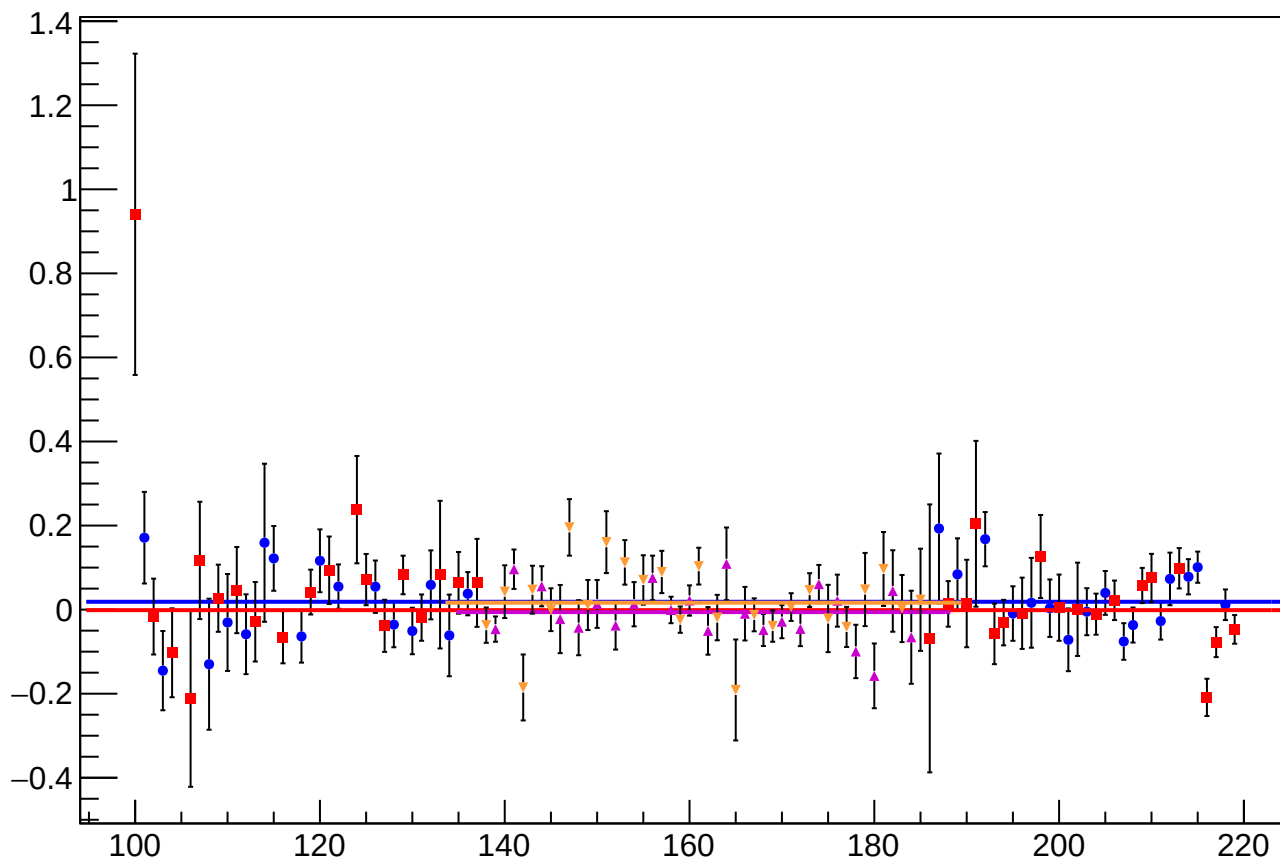
Left In: 0.002 ± 0.000 χ^2/NDF : 2020314.6/22

+ sign 0.002 ± 0.000 χ^2/NDF : 9064163.2/56

All: 0.002 ± 0.000 χ^2/NDF : 23664470.6/116

- sign 0.002 ± 0.000 χ^2/NDF : 14421432.1/59

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019 ± 0.011 $\chi^2/\text{NDF}: 41.2/31$

Left Out: 0.016 ± 0.010 $\chi^2/\text{NDF}: 41.1/24$

Right Out: -0.001 ± 0.011 $\chi^2/\text{NDF}: 62.8/36$

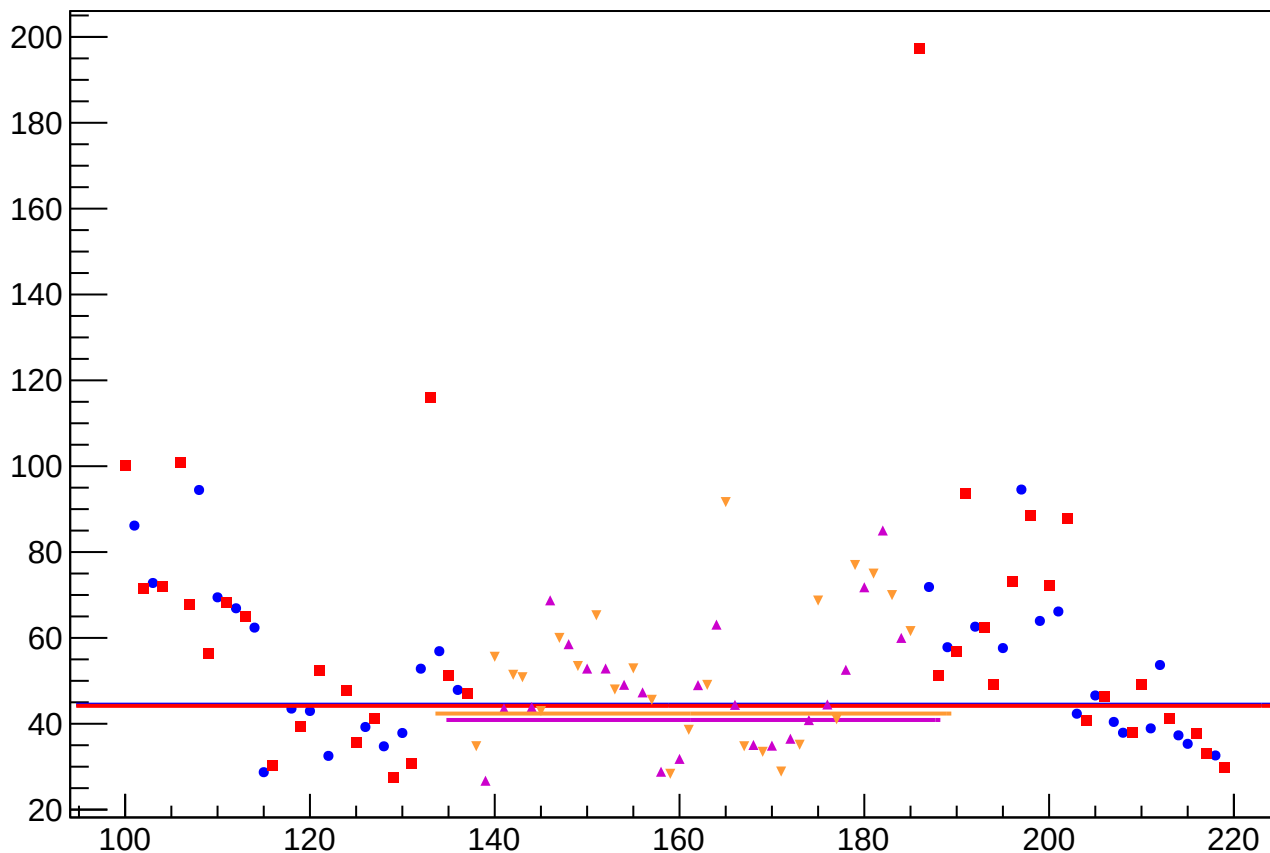
Left In: -0.006 ± 0.010 $\chi^2/\text{NDF}: 26.0/22$

+ sign 0.018 ± 0.007 $\chi^2/\text{NDF}: 82.3/56$

All: 0.007 ± 0.005 $\chi^2/\text{NDF}: 175.3/116$

- sign -0.004 ± 0.007 $\chi^2/\text{NDF}: 88.9/59$

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.448 $\pm$ 0.008 χ^2 /NDF: 2907120.1/31

Left Out: 42.375 $\pm$ 0.007 χ^2 /NDF: 3190999.9/24

Right Out: 44.177 $\pm$ 0.007 χ^2 /NDF: 4403649.2/36

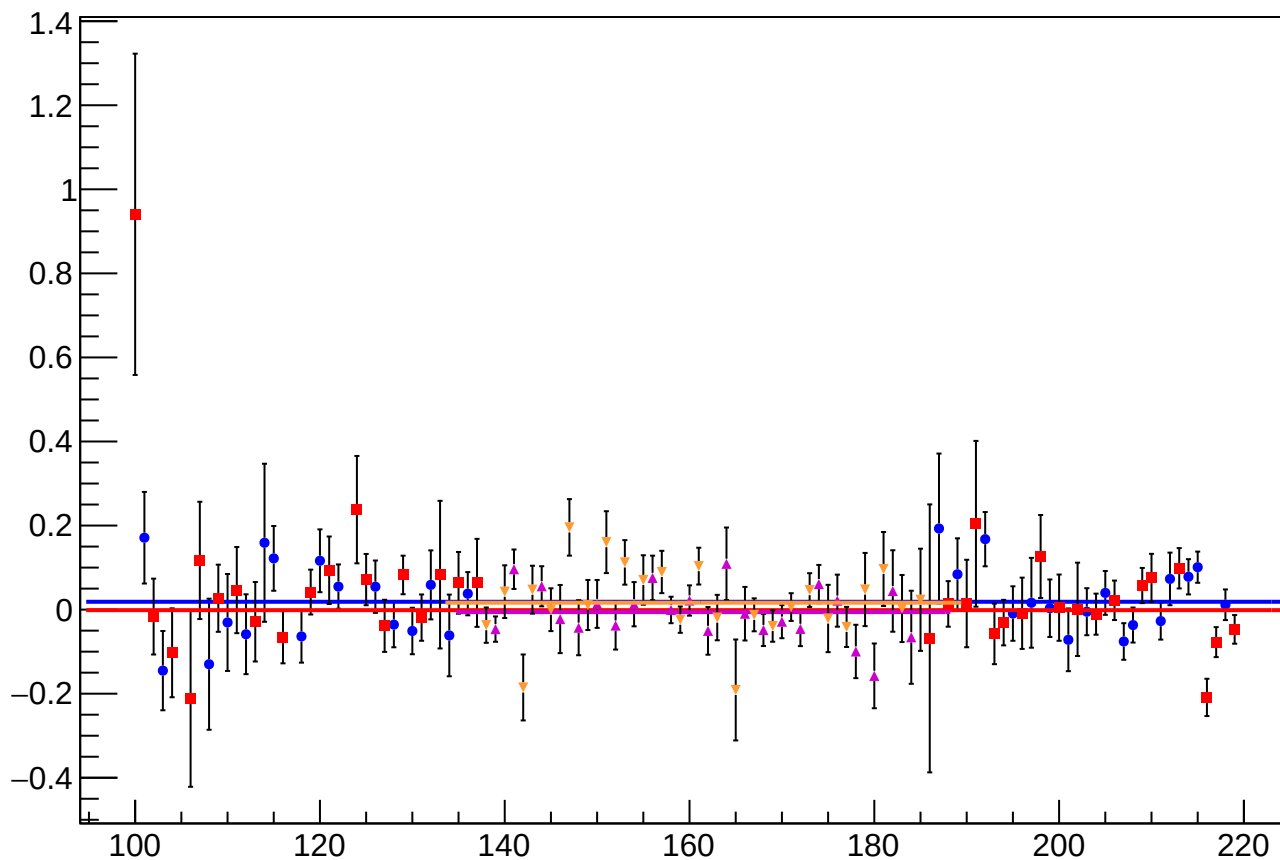
Left In: 40.881 $\pm$ 0.007 χ^2 /NDF: 2678344.3/22

+ sign 43.376 $\pm$ 0.005 χ^2 /NDF: 6136871.2/56

All: 42.925 $\pm$ 0.004 χ^2 /NDF: 13333290.5/116

- sign 42.483 $\pm$ 0.005 χ^2 /NDF: 7181892.1/59

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019 $\pm$ 0.011 χ^2 /NDF: 41.2/31

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF:41.1/24

Right Out: -0.001 $\pm$ 0.011 χ^2 /NDF: 62.8/36

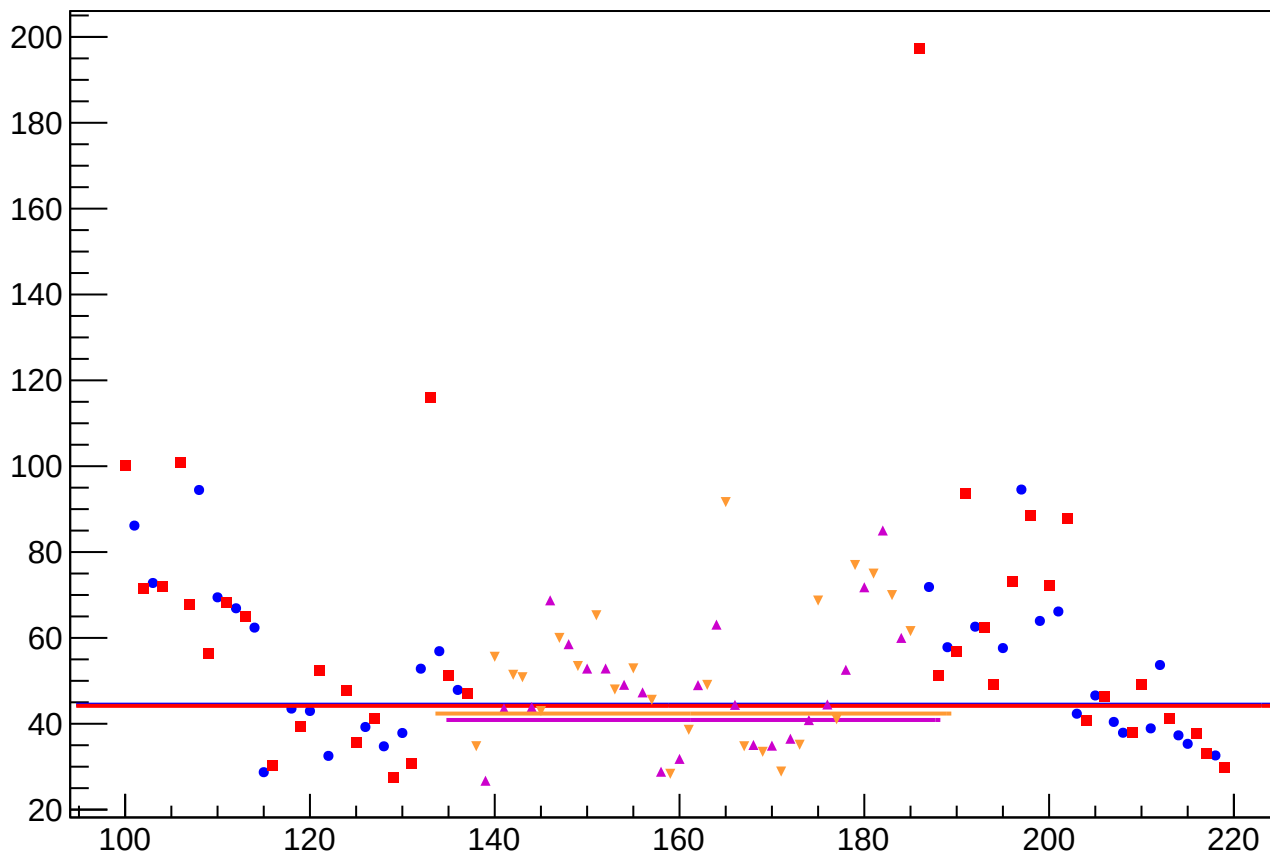
Left In: -0.006 $\pm$ 0.010 χ^2 /NDF:26.0/22

+ sign 0.018 $\pm$ 0.007 χ^2 /NDF: 82.3/56

All: 0.007 $\pm$ 0.005 χ^2 /NDF: 175.3/116

- sign -0.004 $\pm$ 0.007 χ^2 /NDF: 88.9/59

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.448 $\pm$ 0.008 χ^2 /NDF: 2907120.1/31

Left Out: 42.375 $\pm$ 0.007 χ^2 /NDF: 3190999.9/24

Right Out: 44.177 $\pm$ 0.007 χ^2 /NDF: 4403649.2/36

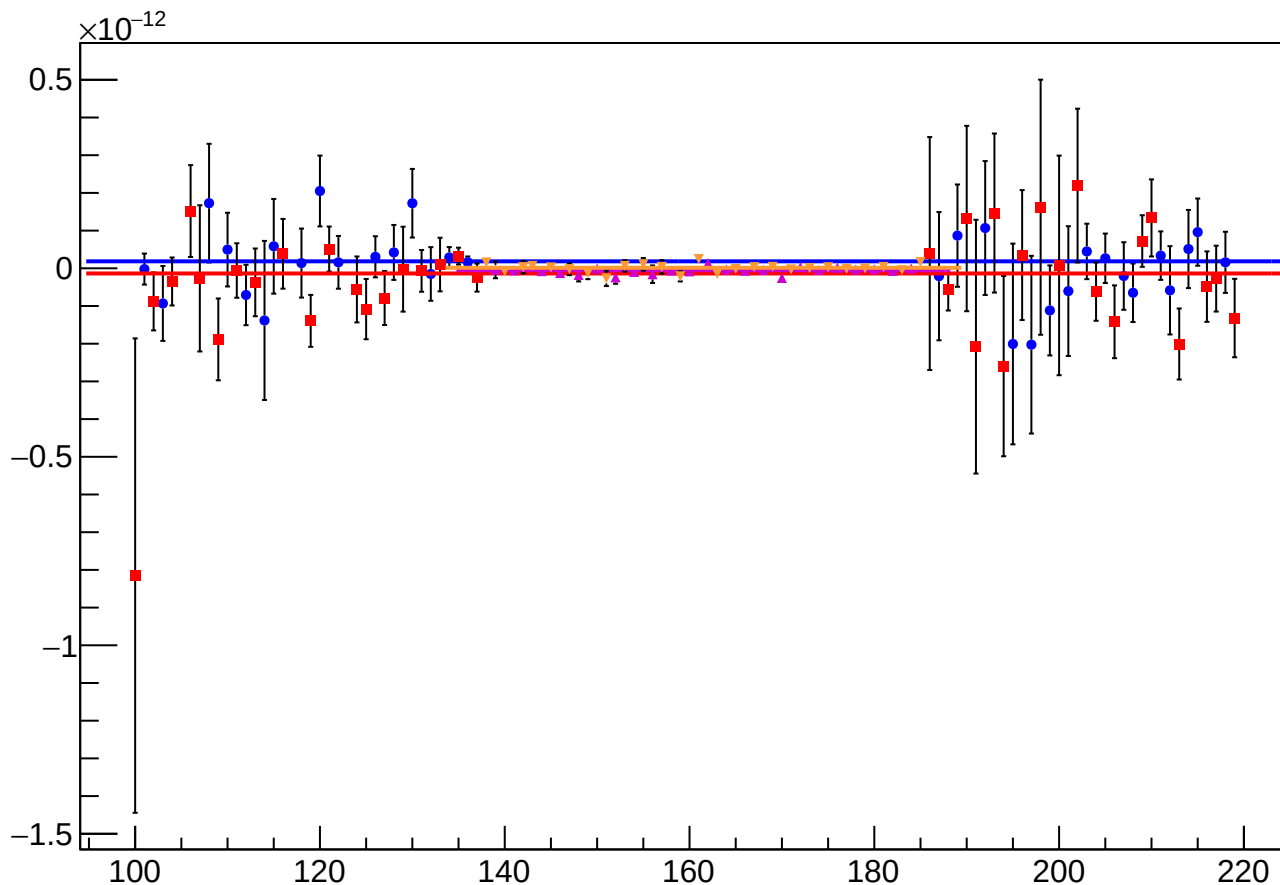
Left In: 40.881 $\pm$ 0.007 χ^2 /NDF: 2678344.3/22

+ sign 43.376 $\pm$ 0.005 χ^2 /NDF: 6136871.2/56

All: 42.925 $\pm$ 0.004 χ^2 /NDF: 13333290.5/116

- sign 42.483 $\pm$ 0.005 χ^2 /NDF: 7181892.1/59

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:19.7/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.8/36

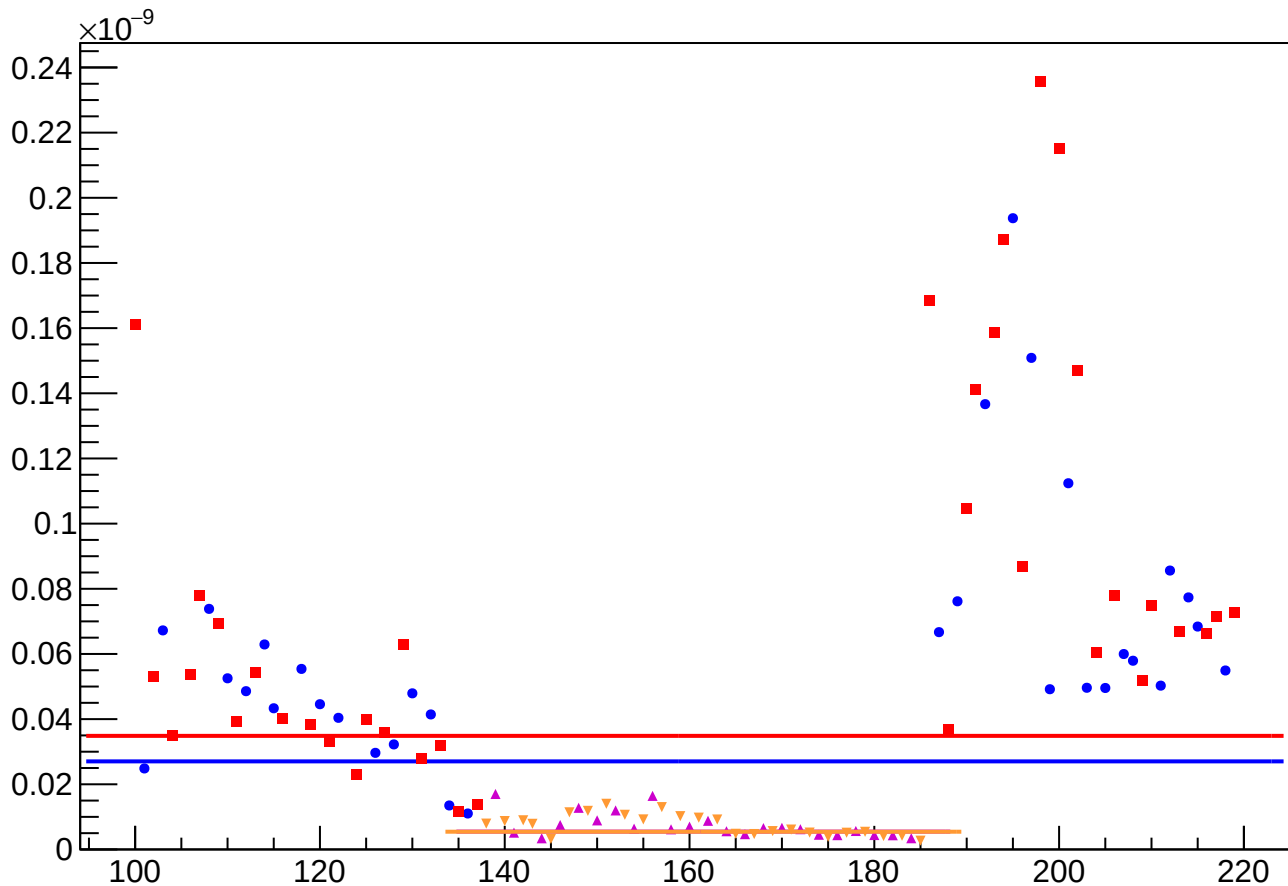
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:13.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.6/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 97.6/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 48.5/59

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10057733.1/31

Left Out: 0.000+/-0.000 χ^2/NDF : 3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10251397.7/36

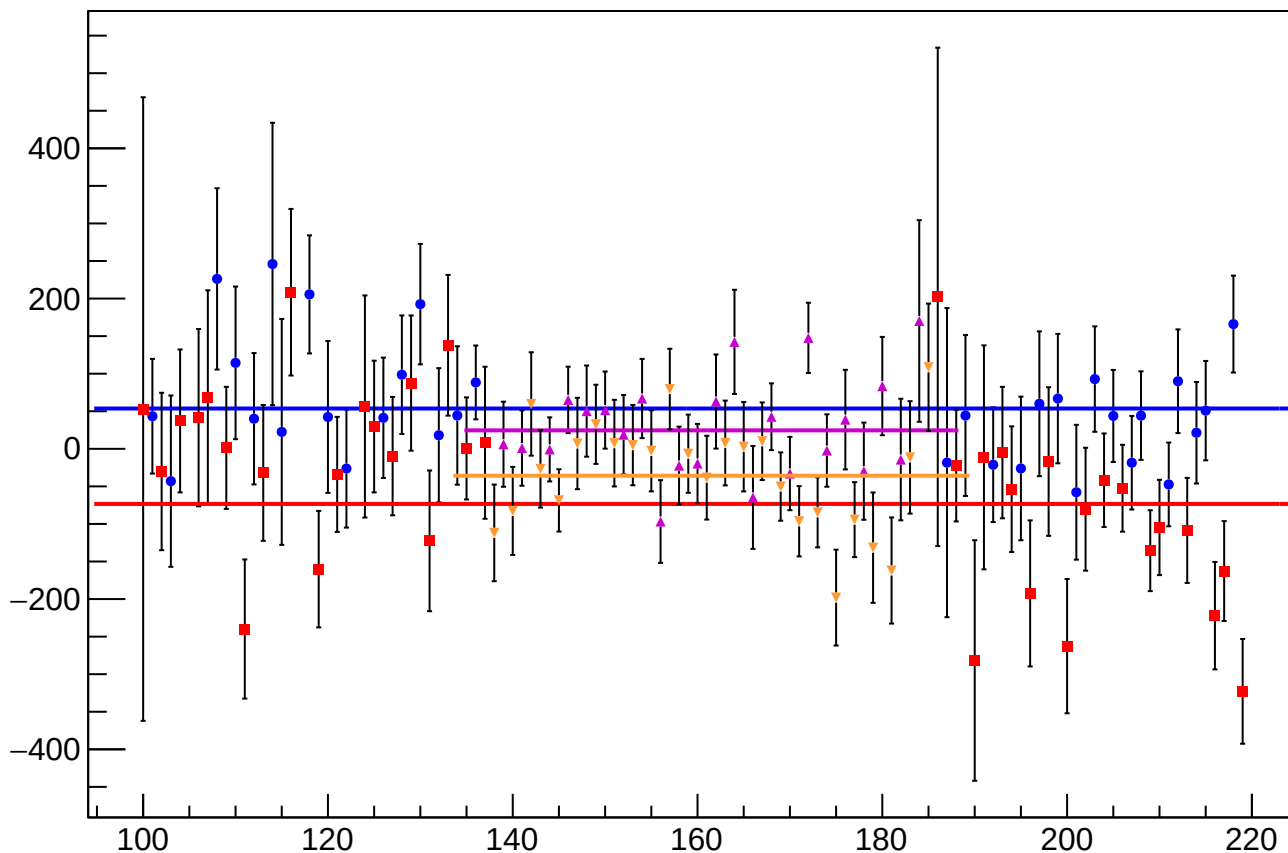
Left In: 0.000+/-0.000 χ^2/NDF : 2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 22589633.8/56

All: 0.000+/-0.000 χ^2/NDF : 47208412.2/116

- sign 0.000+/-0.000 χ^2/NDF : 24617744.2/59

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 53.658 ± 13.918 χ^2/NDF : 25.0/31

Left Out: -35.787 ± 11.119 χ^2/NDF : 33.7/24

Right Out: -73.359 ± 13.930 χ^2/NDF : 60.2/36

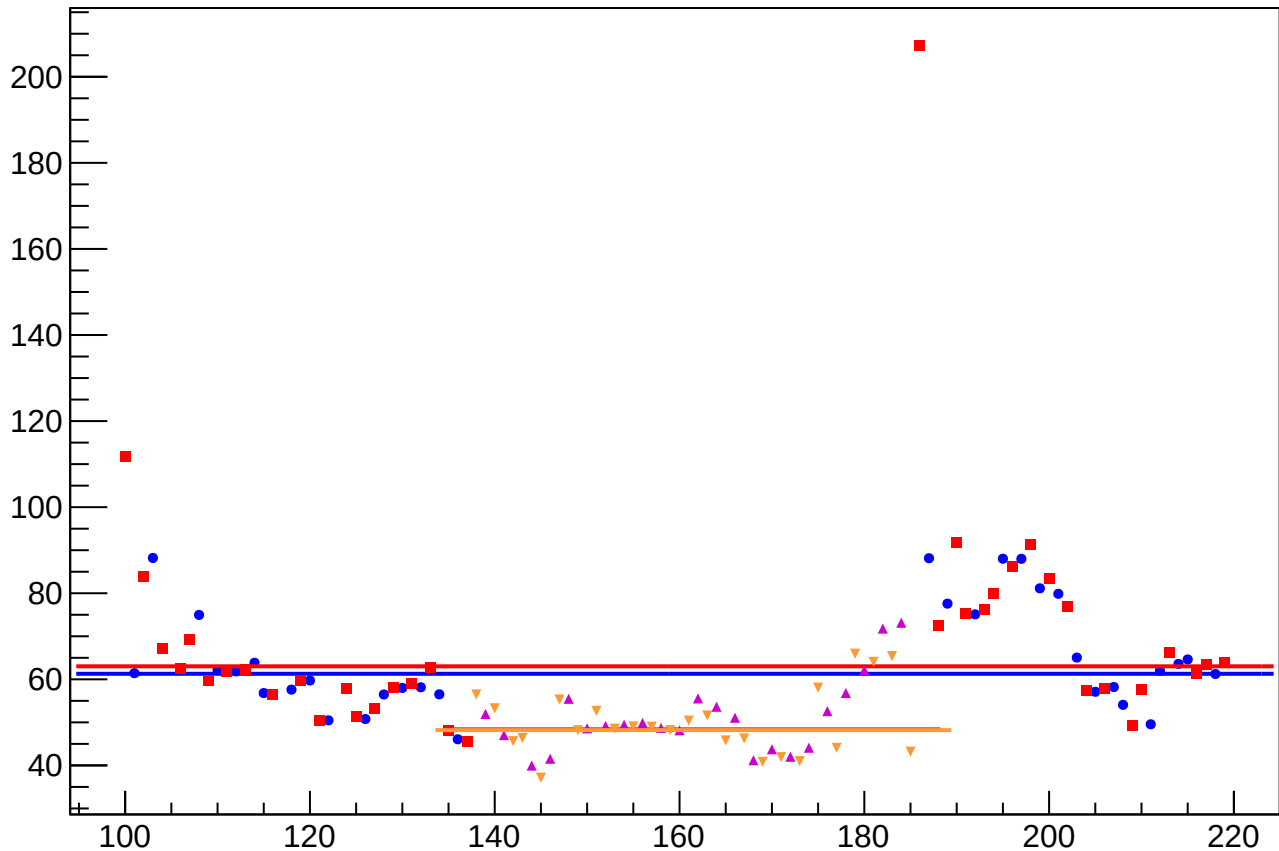
Left In: 24.572 ± 11.471 χ^2/NDF : 25.7/22

+ sign -0.939 ± 8.687 χ^2/NDF : 83.9/56

All: -7.835 ± 6.201 χ^2/NDF : 200.5/116

- sign -15.000 ± 8.855 χ^2/NDF : 115.4/59

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.288+/-0.010 χ^2/NDF : 1220797.1/31

Left Out: 48.198+/-0.008 χ^2/NDF : 780285.2/24

Right Out: 63.024+/-0.010 χ^2/NDF : 1654260.4/36

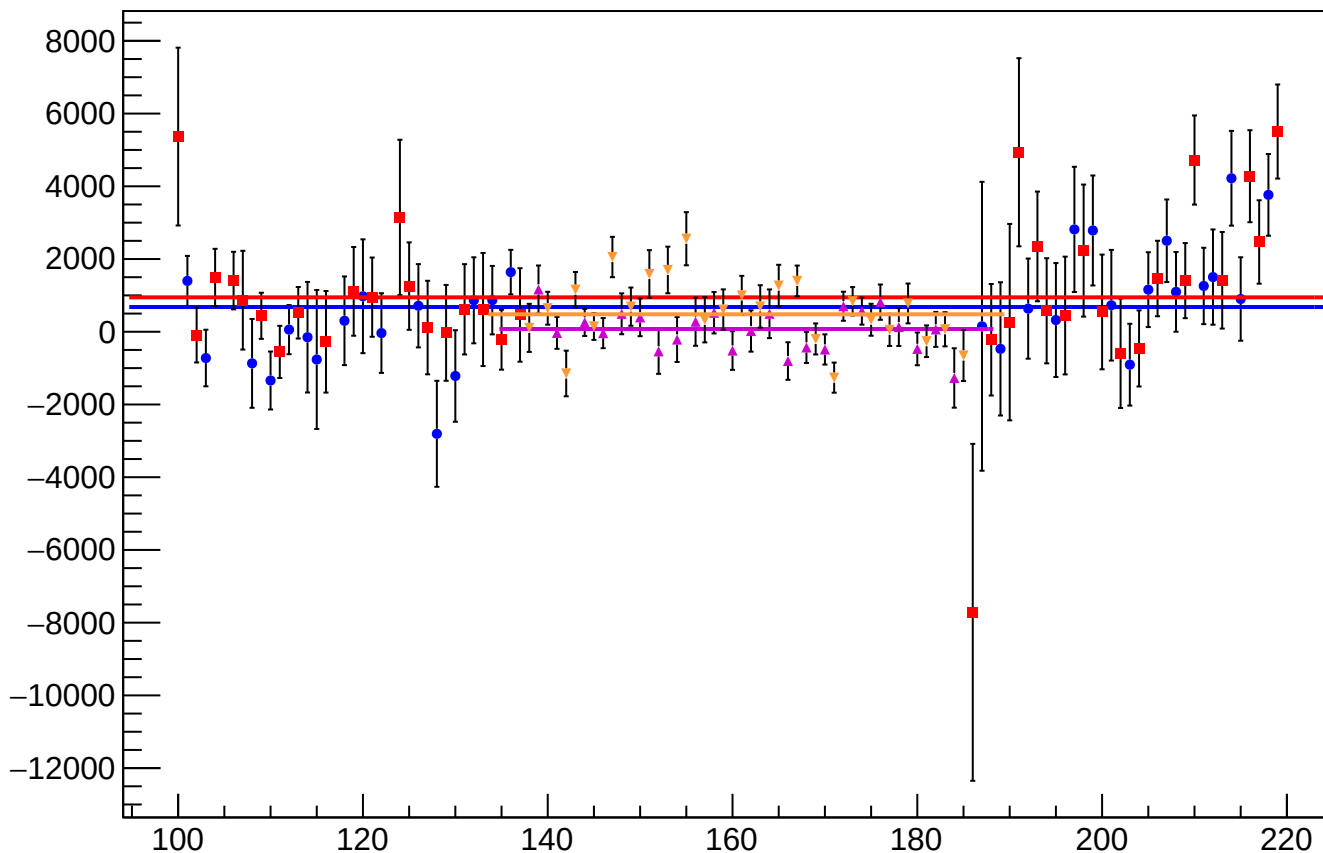
Left In: 48.381+/-0.008 χ^2/NDF : 695381.8/22

+ sign 53.298+/-0.006 χ^2/NDF : 3080821.9/56

All: 53.788+/-0.004 χ^2/NDF : 6760420.5/116

- sign 54.298+/-0.006 χ^2/NDF : 3666607.8/59

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 680.109 $\pm$ 193.666 χ^2 /NDF: 49.7/31

Left Out: 480.215 $\pm$ 100.526 χ^2 /NDF: 69.2/24

Right Out: 946.209 $\pm$ 187.108 χ^2 /NDF: 58.6/36

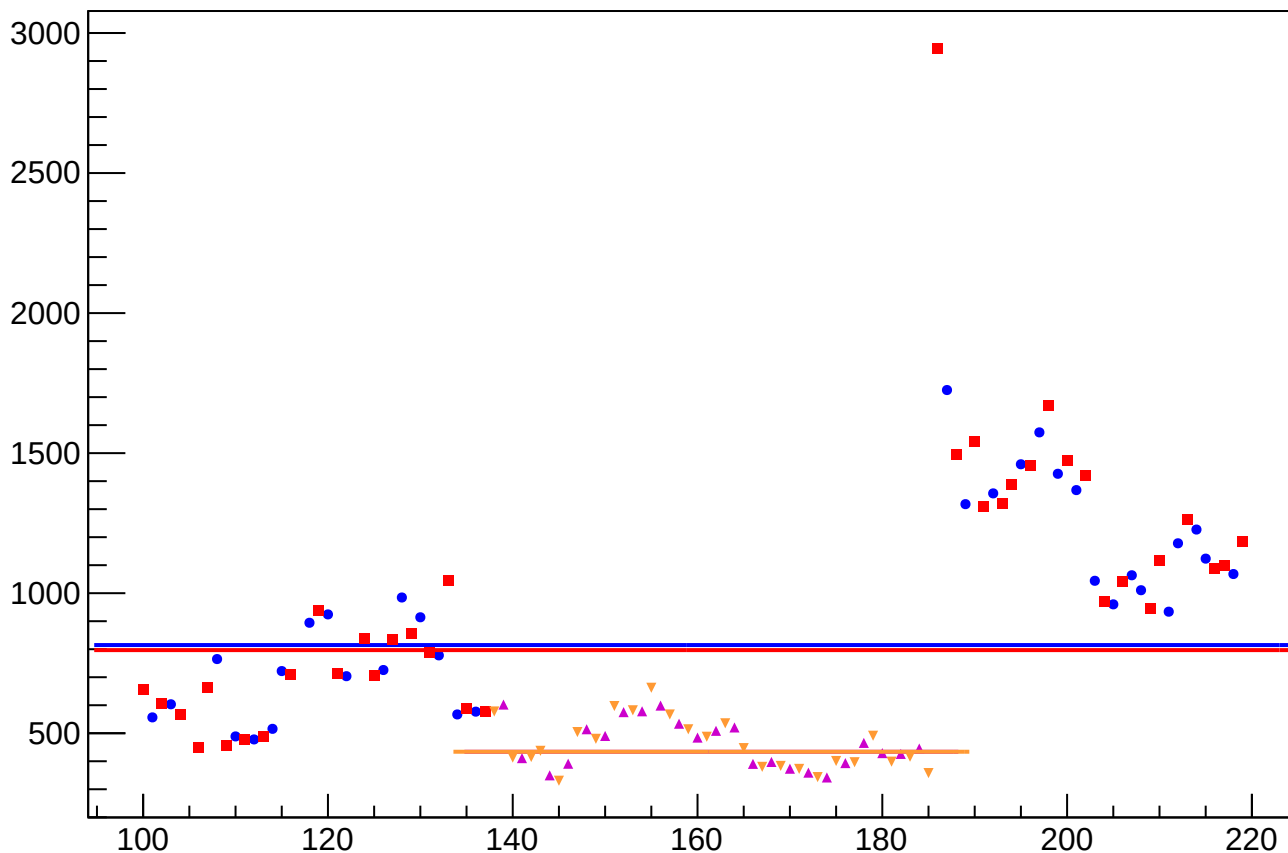
Left In: 75.662 $\pm$ 103.128 χ^2 /NDF: 24.5/22

+ sign 522.642 $\pm$ 89.222 χ^2 /NDF: 119.7/56

All: 402.062 $\pm$ 63.473 χ^2 /NDF: 223.1/116

- sign 278.503 $\pm$ 90.318 χ^2 /NDF: 99.7/59

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 814.828 $\pm$ 0.137 χ^2 /NDF: 4673587.5/31

Left Out: 433.945 $\pm$ 0.071 χ^2 /NDF:1243704.6/24

Right Out: 796.771 $\pm$ 0.132 χ^2 /NDF: 6537990.6/36

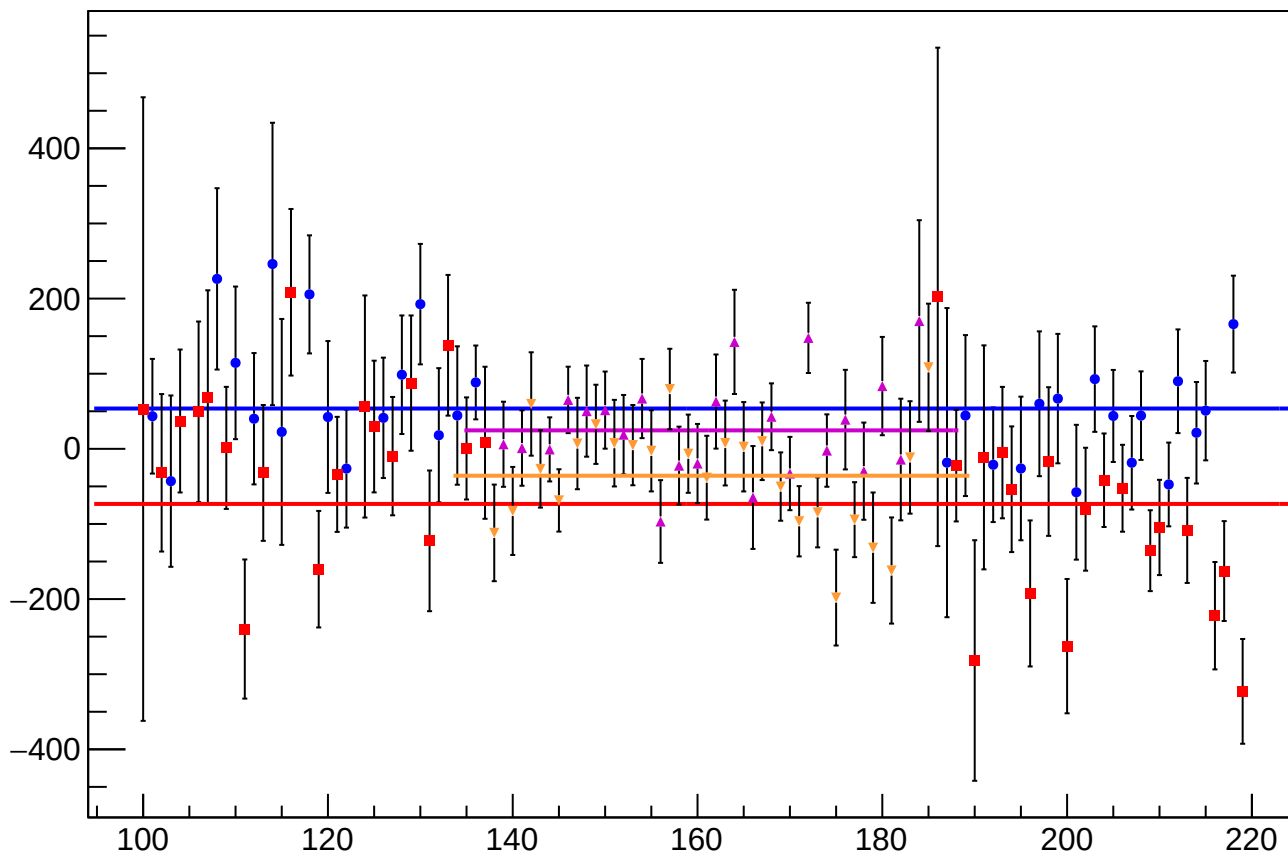
Left In: 433.722 $\pm$ 0.073 χ^2 /NDF:1094788.8/22

+ sign 514.786 $\pm$ 0.063 χ^2 /NDF: 12011217.2/56

All: 516.528 $\pm$ 0.045 χ^2 /NDF: 25420756.1/11

- sign 518.314 $\pm$ 0.064 χ^2 /NDF: 13407994.6/59

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 53.661 ± 13.918 χ^2/NDF : 25.0/31

Left Out: -35.792 ± 11.119 χ^2/NDF : 33.7/24

Right Out: -73.343 ± 13.934 χ^2/NDF : 60.3/36

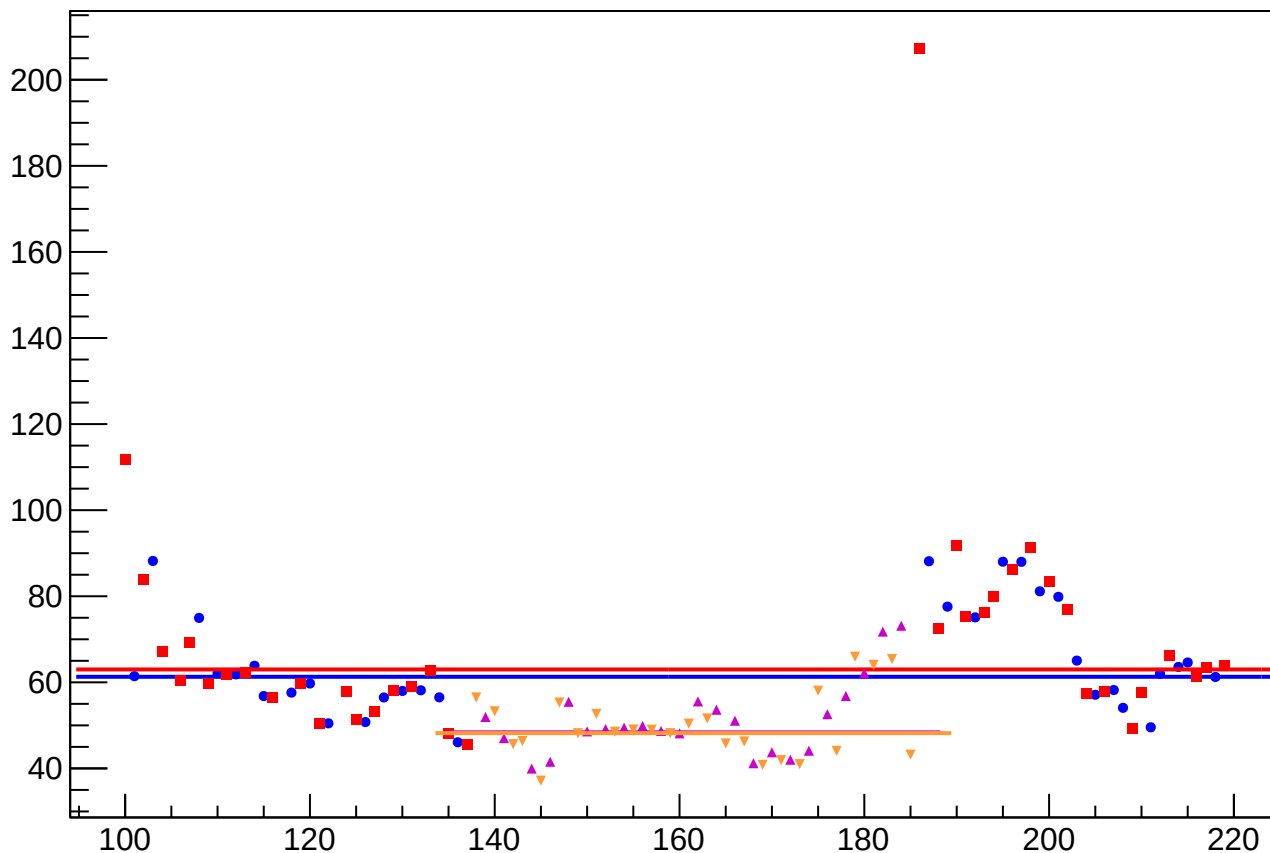
Left In: 24.573 ± 11.471 χ^2/NDF : 25.7/22

+ sign -0.941 ± 8.687 χ^2/NDF : 83.9/56

All: -7.826 ± 6.202 χ^2/NDF : 200.6/116

- sign -14.981 ± 8.856 χ^2/NDF : 115.4/59

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.288 $\pm$ 0.010 χ^2 /NDF: 1220800.5/31

Left Out: 48.198 $\pm$ 0.008 χ^2 /NDF: 780285.2/24

Right Out: 62.997 $\pm$ 0.010 χ^2 /NDF: 1655353.7/36

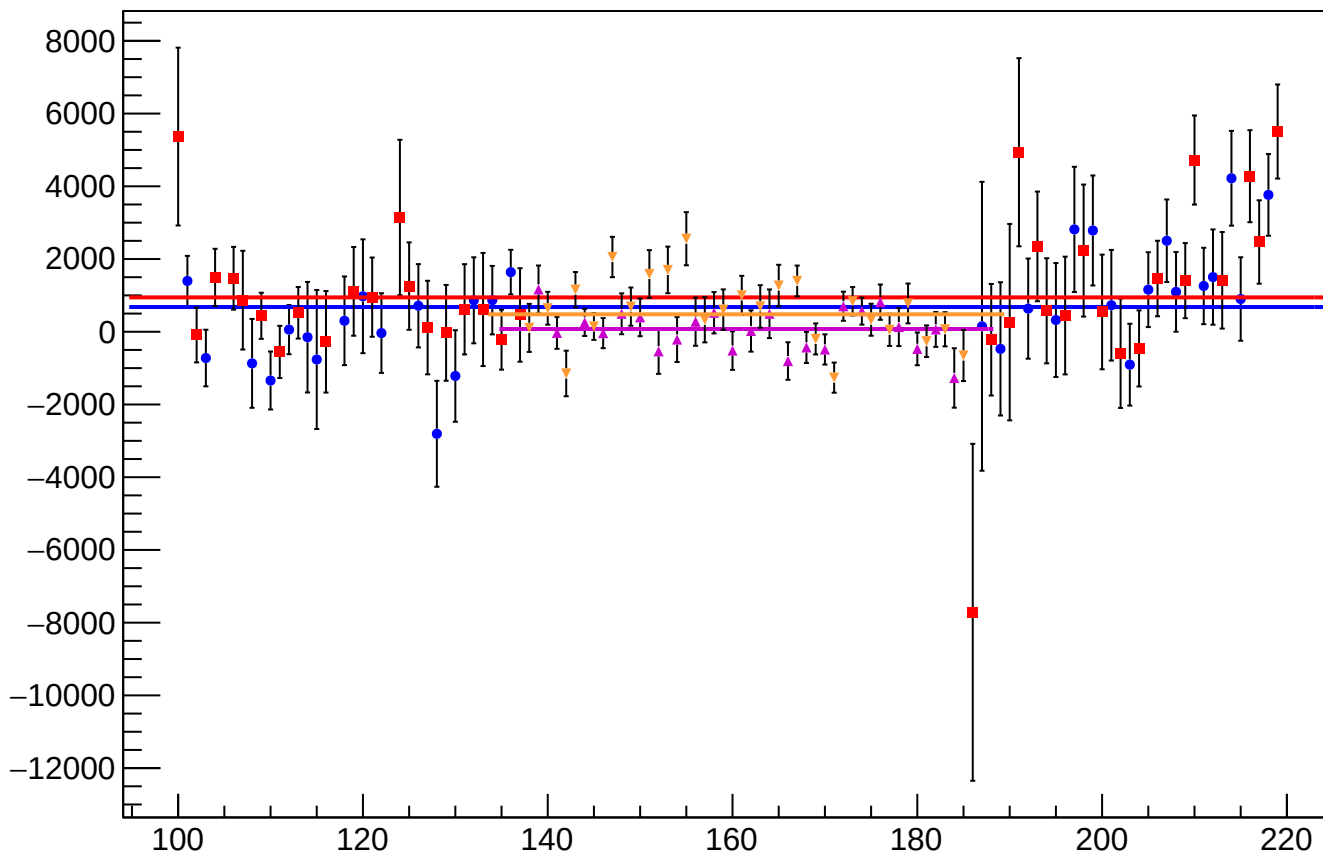
Left In: 48.381 $\pm$ 0.008 χ^2 /NDF: 695381.8/22

+ sign 53.298 $\pm$ 0.006 χ^2 /NDF: 3080825.8/56

All: 53.782 $\pm$ 0.004 χ^2 /NDF: 6755961.8/116

- sign 54.285 $\pm$ 0.006 χ^2 /NDF: 3662473.9/59

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 680.137 $\pm$ 193.667 χ^2/NDF : 49.7/31

Left Out: 480.210 $\pm$ 100.526 χ^2/NDF : 69.2/24

Right Out: 945.335 $\pm$ 187.949 χ^2/NDF : 58.7/36

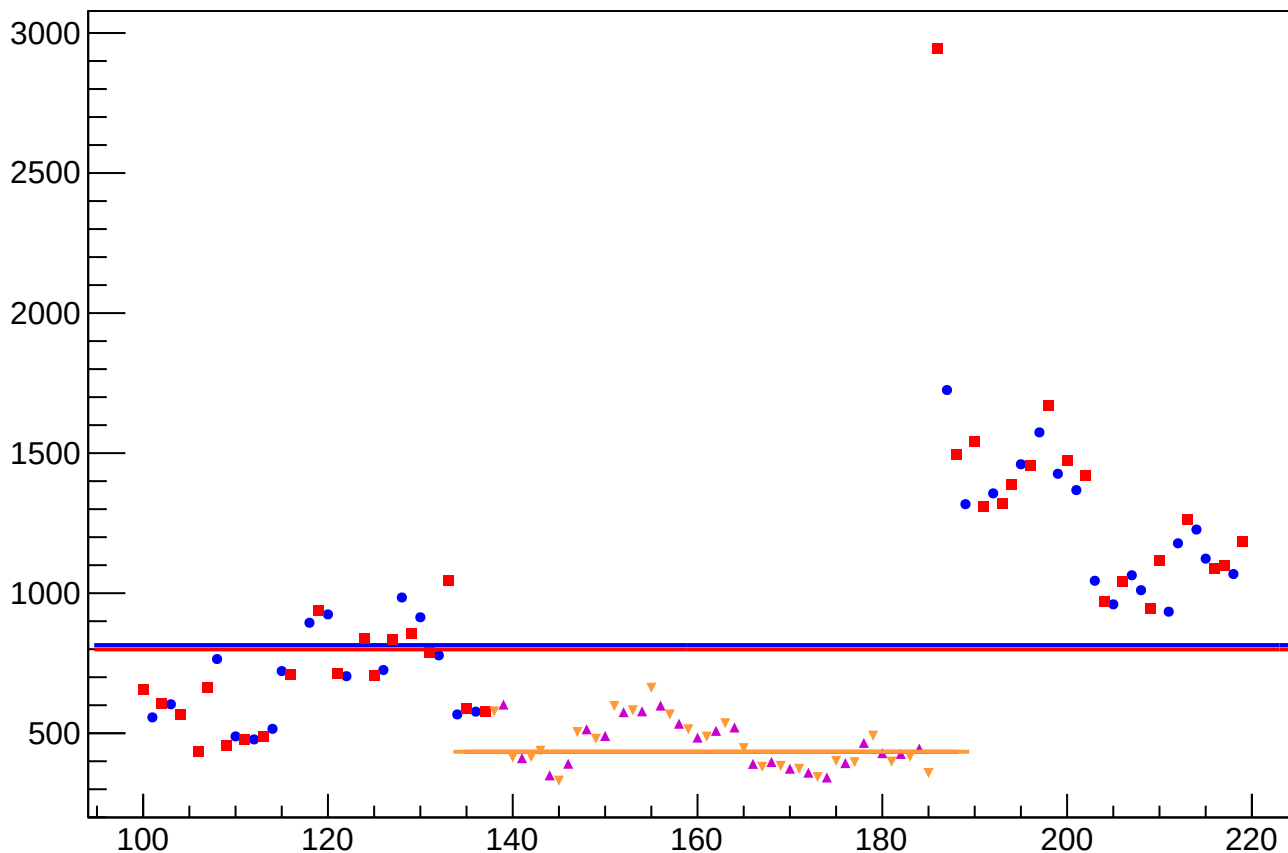
Left In: 75.665 $\pm$ 103.128 χ^2/NDF : 24.5/22

+ sign 522.643 $\pm$ 89.222 χ^2/NDF : 119.7/56

All: 401.405 $\pm$ 63.506 χ^2/NDF : 223.1/116

- sign 276.911 $\pm$ 90.412 χ^2/NDF : 99.6/59

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 814.833+/-0.137 χ^2/NDF : 4673501.7/31

Left Out: 433.945+/-0.071 χ^2/NDF :1243702.1/24

Right Out: 799.299+/-0.133 χ^2/NDF : 6500563.3/36

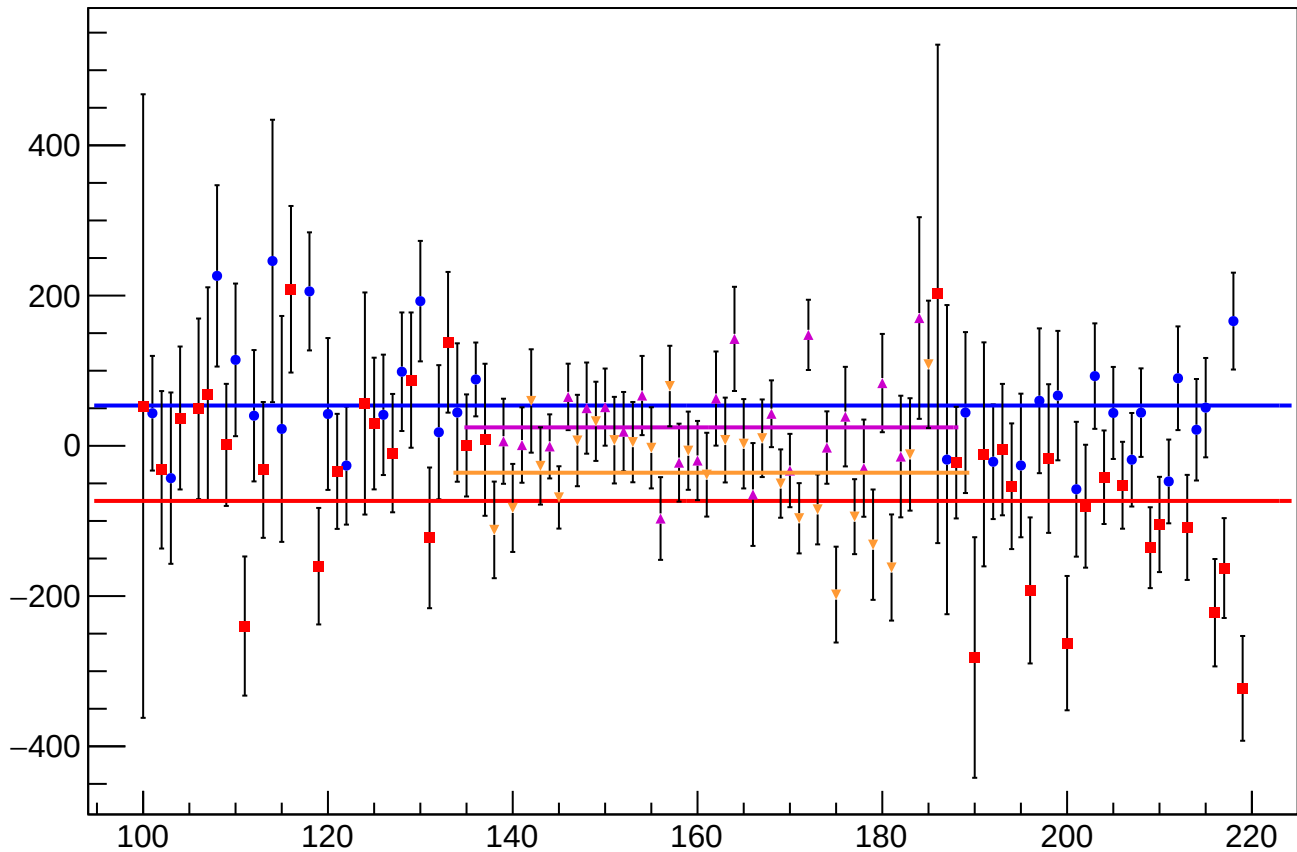
Left In: 433.722+/-0.073 χ^2/NDF :1094788.4/22

+ sign 514.786+/-0.063 χ^2/NDF : 12011238.2/56

All: 516.529+/-0.045 χ^2/NDF : 25423885.7/1

- sign 518.318+/-0.064 χ^2/NDF : 13411100.9/59

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 53.661 ± 13.918 χ^2/NDF : 25.0/31

Left Out: -35.792 ± 11.119 χ^2/NDF : 33.7/24

Right Out: -73.343 ± 13.934 χ^2/NDF : 60.3/36

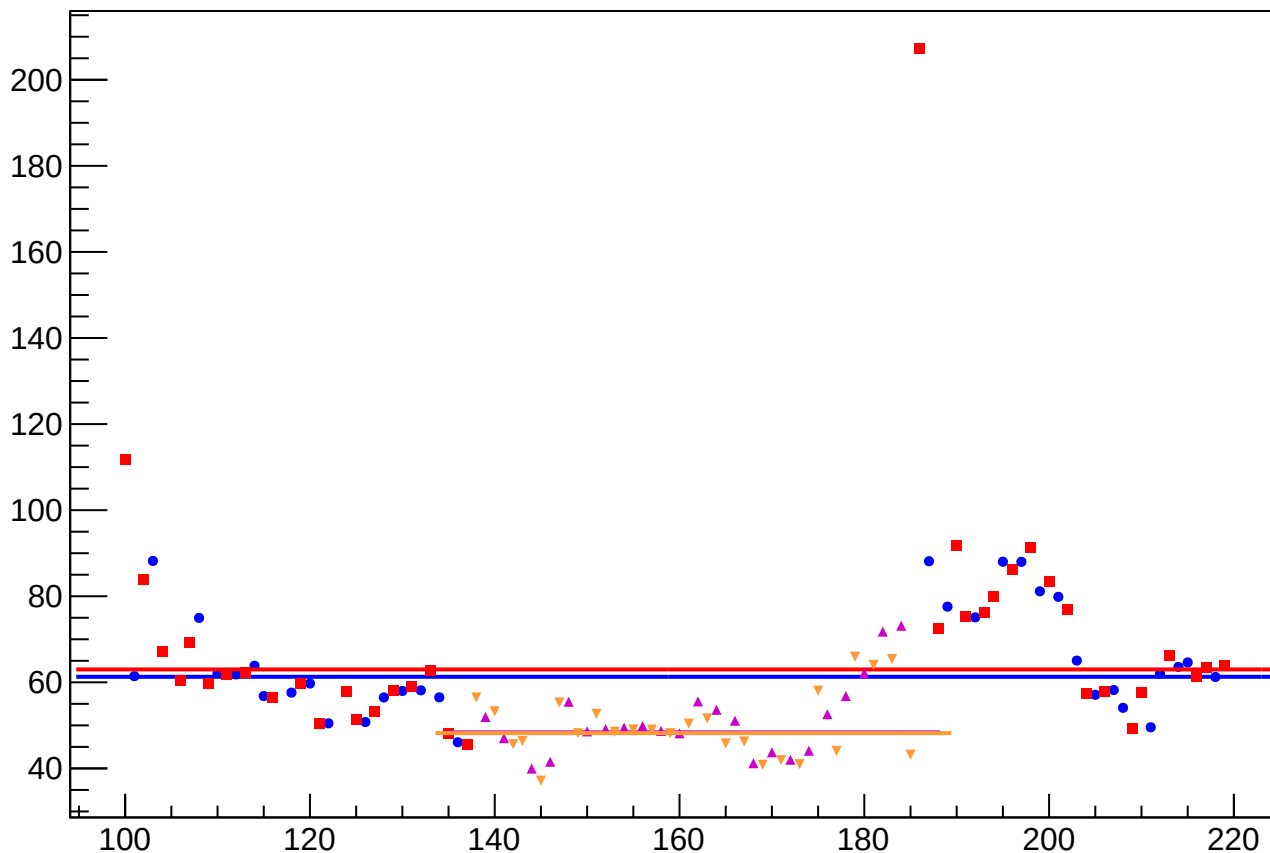
Left In: 24.573 ± 11.471 χ^2/NDF : 25.7/22

+ sign -0.941 ± 8.687 χ^2/NDF : 83.9/56

All: -7.826 ± 6.202 χ^2/NDF : 200.6/116

- sign -14.981 ± 8.856 χ^2/NDF : 115.4/59

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.288 $\pm$ 0.010 χ^2 /NDF: 1220800.5/31

Left Out: 48.198 $\pm$ 0.008 χ^2 /NDF: 780285.2/24

Right Out: 62.997 $\pm$ 0.010 χ^2 /NDF: 1655353.7/36

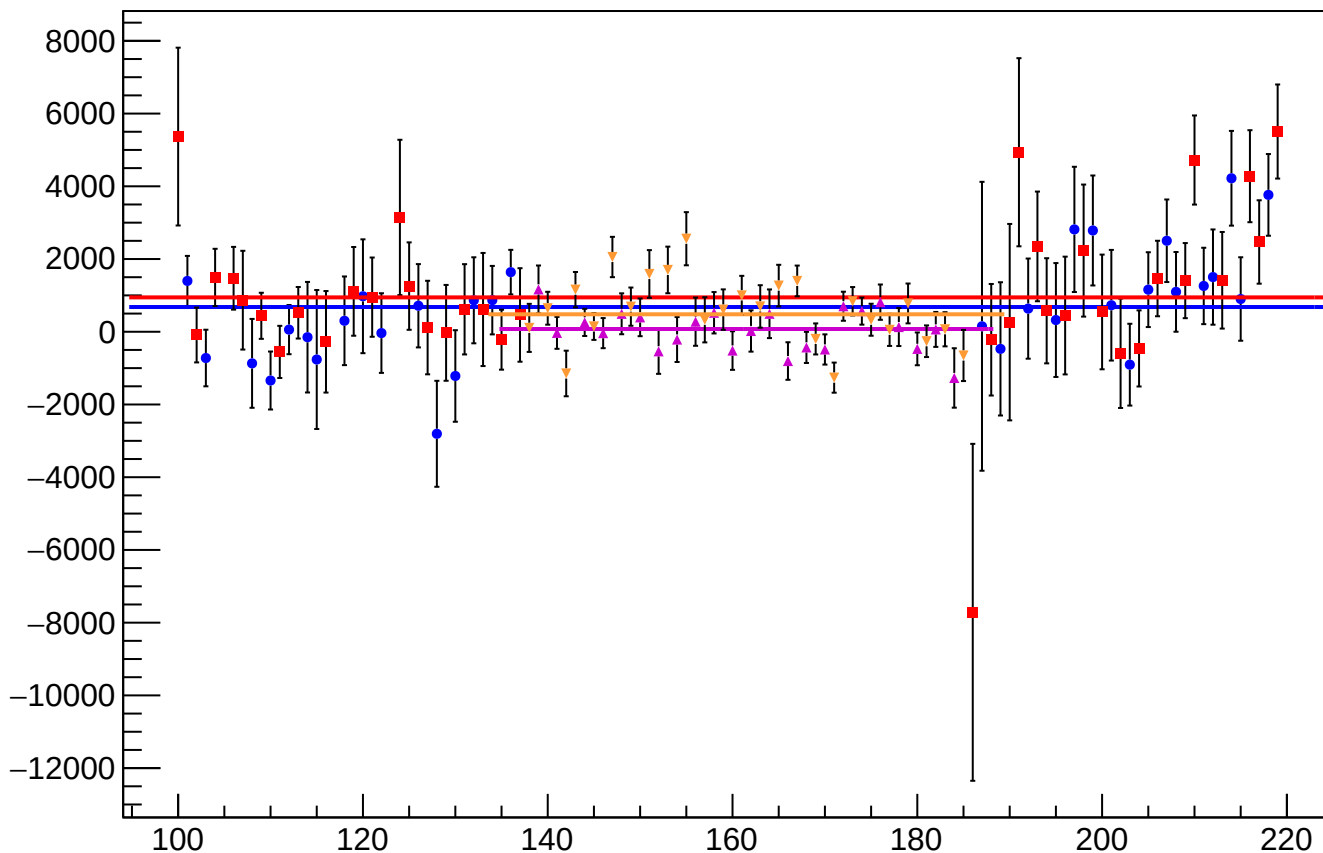
Left In: 48.381 $\pm$ 0.008 χ^2 /NDF: 695381.8/22

+ sign 53.298 $\pm$ 0.006 χ^2 /NDF: 3080825.8/56

All: 53.782 $\pm$ 0.004 χ^2 /NDF: 6755961.8/116

- sign 54.285 $\pm$ 0.006 χ^2 /NDF: 3662473.9/59

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug



Right In: 680.137 $\pm$ 193.667 χ^2 /NDF: 49.7/31

Left Out: 480.210 $\pm$ 100.526 χ^2 /NDF: 69.2/24

Right Out: 945.335 $\pm$ 187.949 χ^2 /NDF: 58.7/36

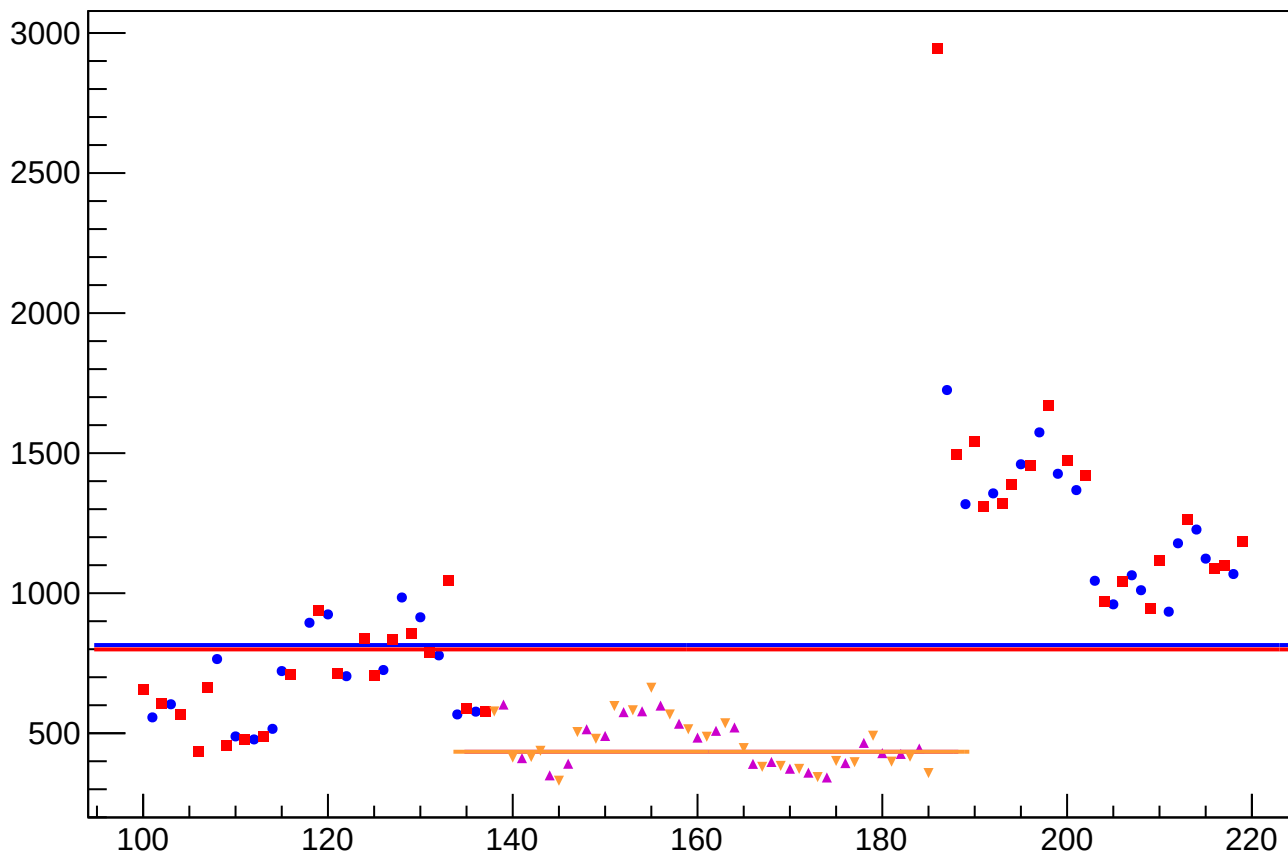
Left In: 75.665 $\pm$ 103.128 χ^2 /NDF: 24.5/22

+ sign 522.643 $\pm$ 89.222 χ^2 /NDF: 119.7/56

All: 401.405 $\pm$ 63.506 χ^2 /NDF: 223.1/116

- sign 276.911 $\pm$ 90.412 χ^2 /NDF: 99.6/59

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 814.833 $\pm$ 0.137 χ^2 /NDF: 4673501.7/31

Left Out: 433.945 $\pm$ 0.071 χ^2 /NDF:1243702.1/24

Right Out: 799.299 $\pm$ 0.133 χ^2 /NDF: 6500563.3/36

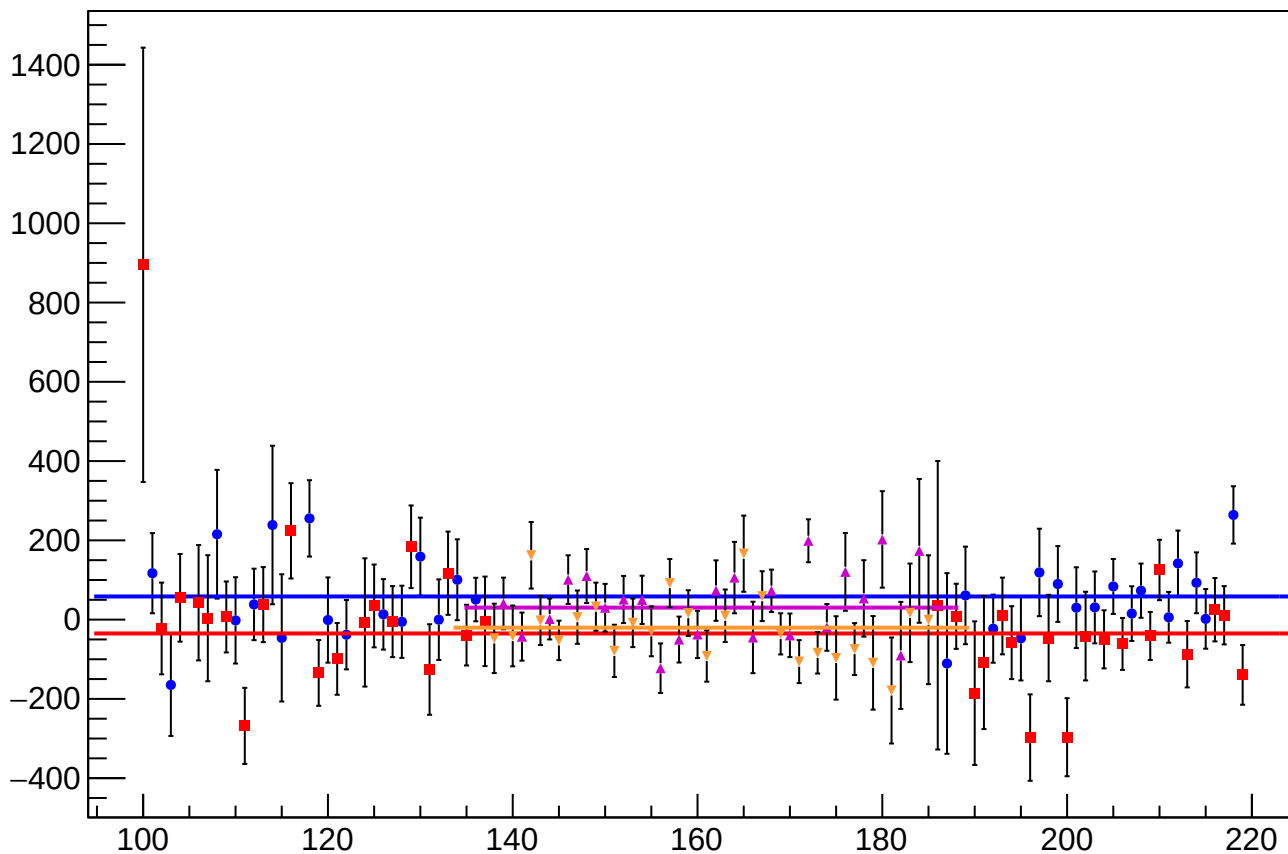
Left In: 433.722 $\pm$ 0.073 χ^2 /NDF:1094788.4/22

+ sign 514.786 $\pm$ 0.063 χ^2 /NDF: 12011238.2/56

All: 516.529 $\pm$ 0.045 χ^2 /NDF: 25423885.7/1

- sign 518.318 $\pm$ 0.064 χ^2 /NDF: 13411100.9/59

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 58.431 ± 15.923 χ^2/NDF : 28.0/31

Left Out: -20.270 ± 13.636 χ^2/NDF : 25.1/24

Right Out: -34.907 ± 15.787 χ^2/NDF : 47.2/36

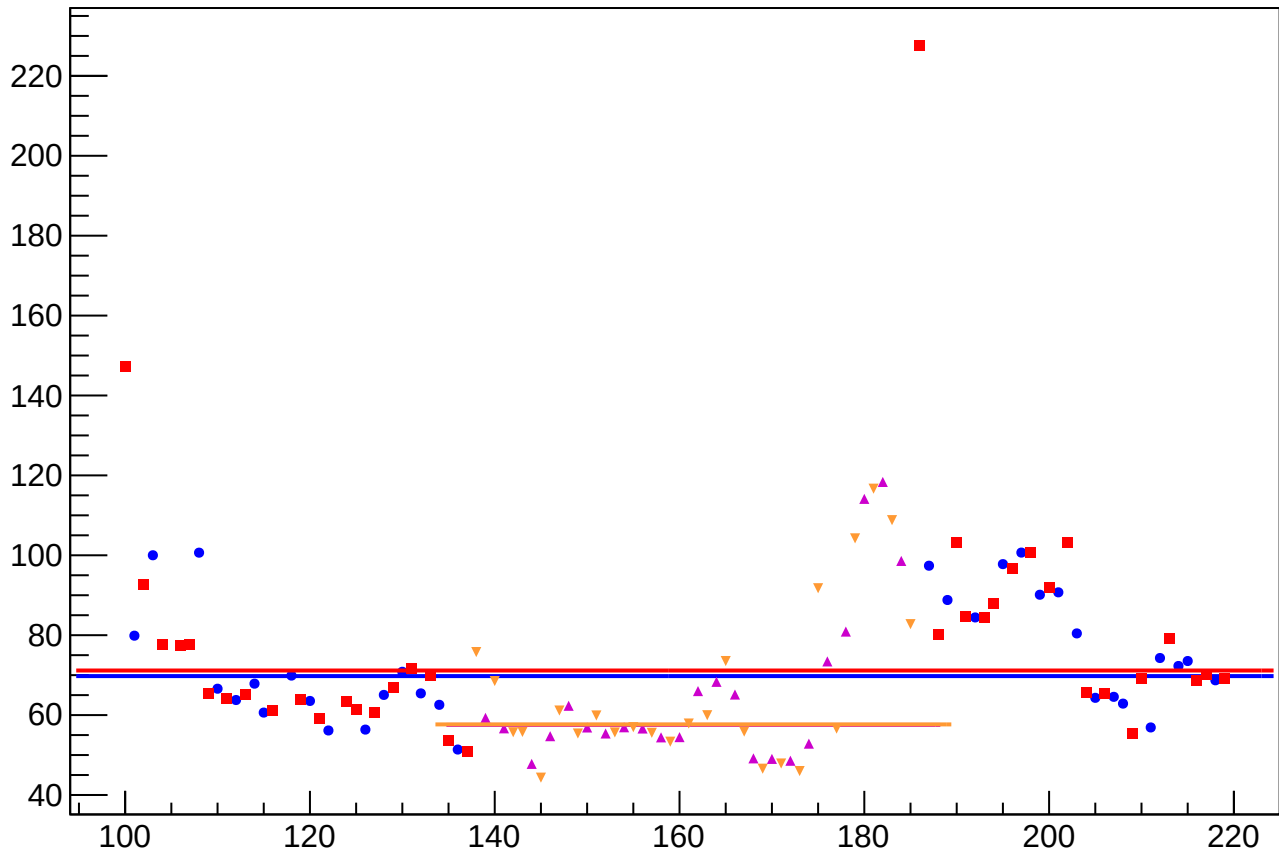
Left In: 30.318 ± 13.979 χ^2/NDF : 32.6/22

+ sign 13.028 ± 10.357 χ^2/NDF : 67.2/56

All: 7.400 ± 7.362 χ^2/NDF : 157.2/116

- sign 1.654 ± 10.466 χ^2/NDF : 89.4/59

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.760 $\pm$ 0.011 χ^2 /NDF: 1336691.1/31

Left Out: 57.668 $\pm$ 0.010 χ^2 /NDF: 1909743.5/24

Right Out: 71.161 $\pm$ 0.011 χ^2 /NDF: 1702199.9/36

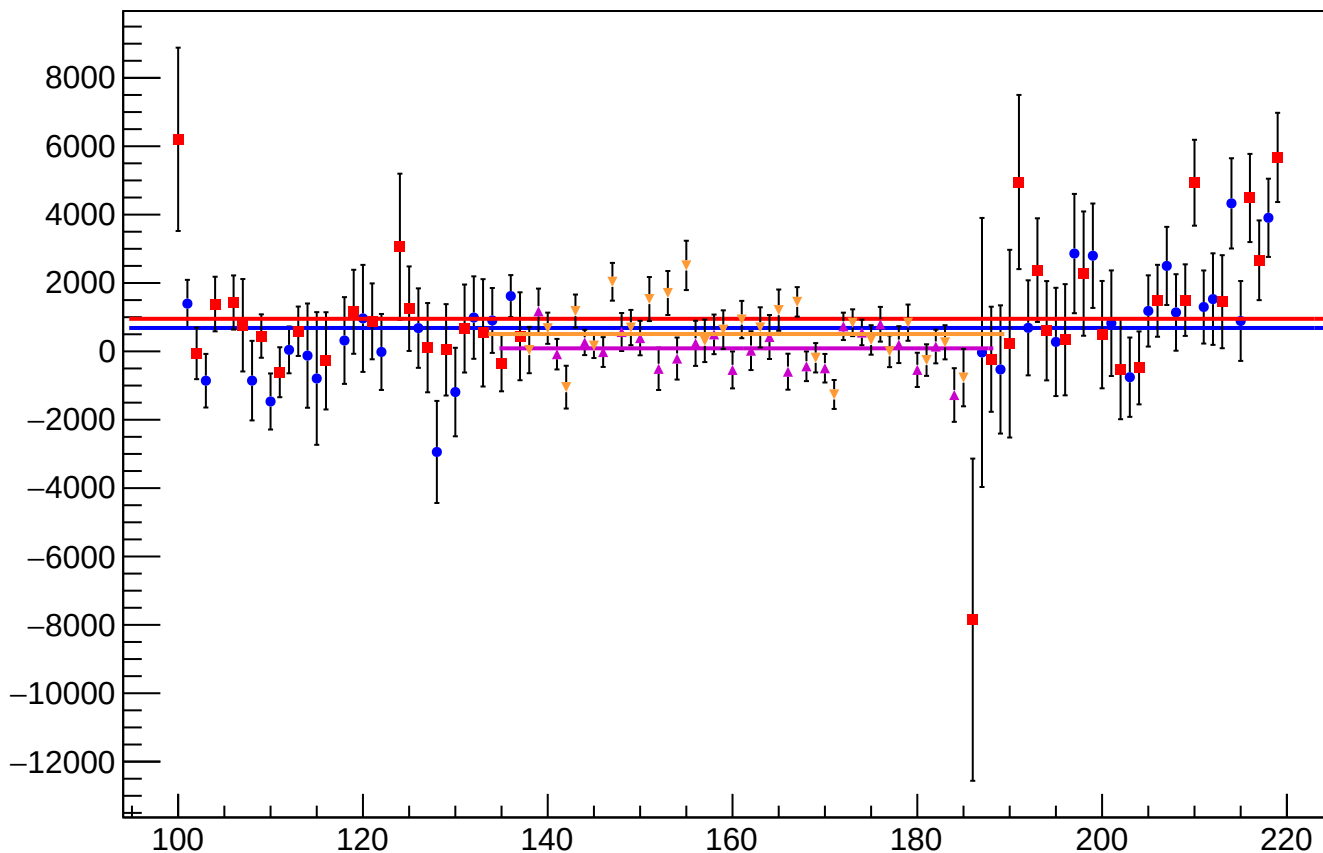
Left In: 57.539 $\pm$ 0.010 χ^2 /NDF: 1443279.4/22

+ sign 62.784 $\pm$ 0.007 χ^2 /NDF: 3911795.1/56

All: 63.151 $\pm$ 0.005 χ^2 /NDF: 7896909.0/116

- sign 63.526 $\pm$ 0.007 χ^2 /NDF: 3980043.6/59

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 684.435 ± 196.119 $\chi^2/\text{NDF}: 51.0/31$

Left Out: 507.171 ± 101.776 $\chi^2/\text{NDF}: 65.8/24$

Right Out: 952.611 ± 189.101 $\chi^2/\text{NDF}: 61.8/36$

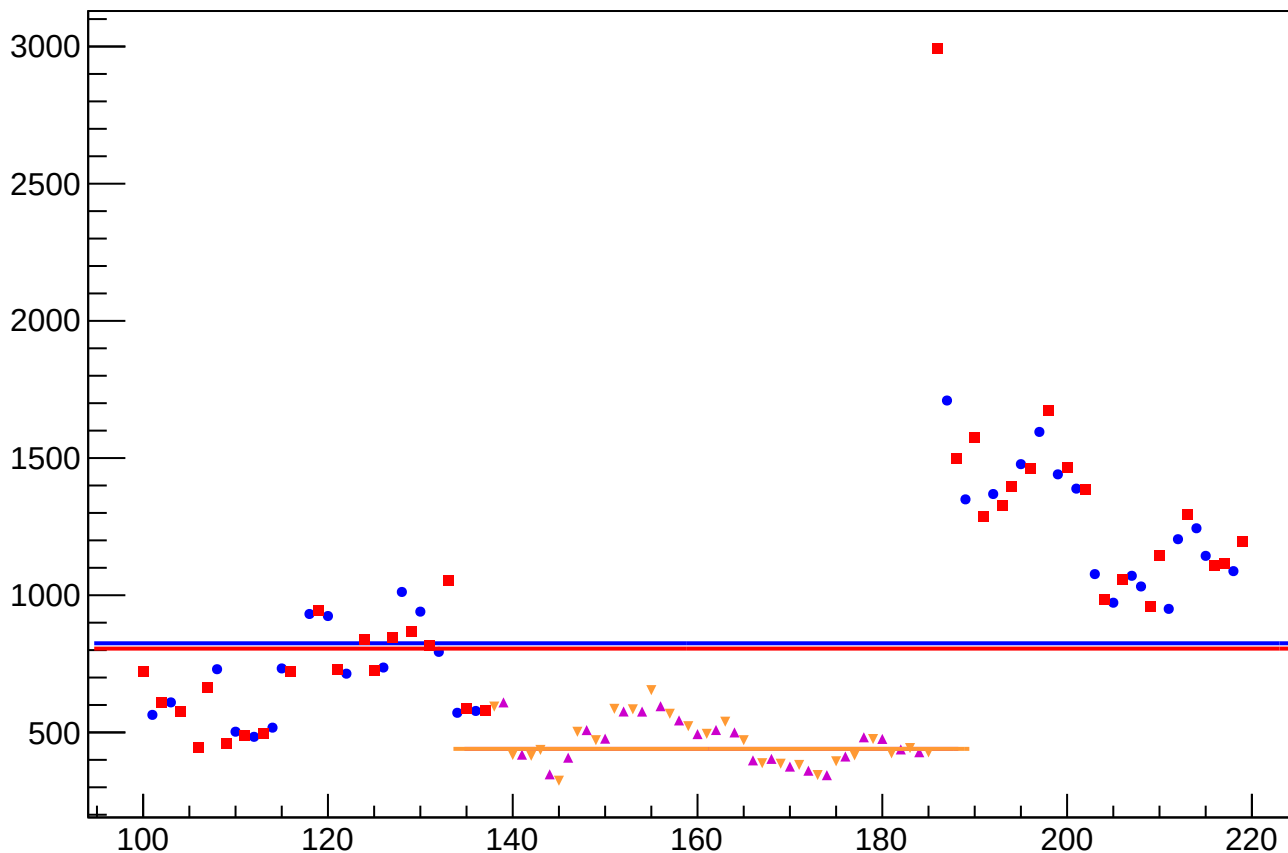
Left In: 88.471 ± 104.542 $\chi^2/\text{NDF}: 23.3/22$

+ sign 544.781 ± 90.336 $\chi^2/\text{NDF}: 117.5/56$

All: 419.380 ± 64.282 $\chi^2/\text{NDF}: 222.5/116$

- sign 290.753 ± 91.491 $\chi^2/\text{NDF}: 101.1/59$

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 824.889 $\pm$ 0.139 χ^2 /NDF: 4729776.5/31

Left Out: 440.075 $\pm$ 0.072 χ^2 /NDF: 1196985.5/24

Right Out: 805.536 $\pm$ 0.134 χ^2 /NDF: 6522212.3/36

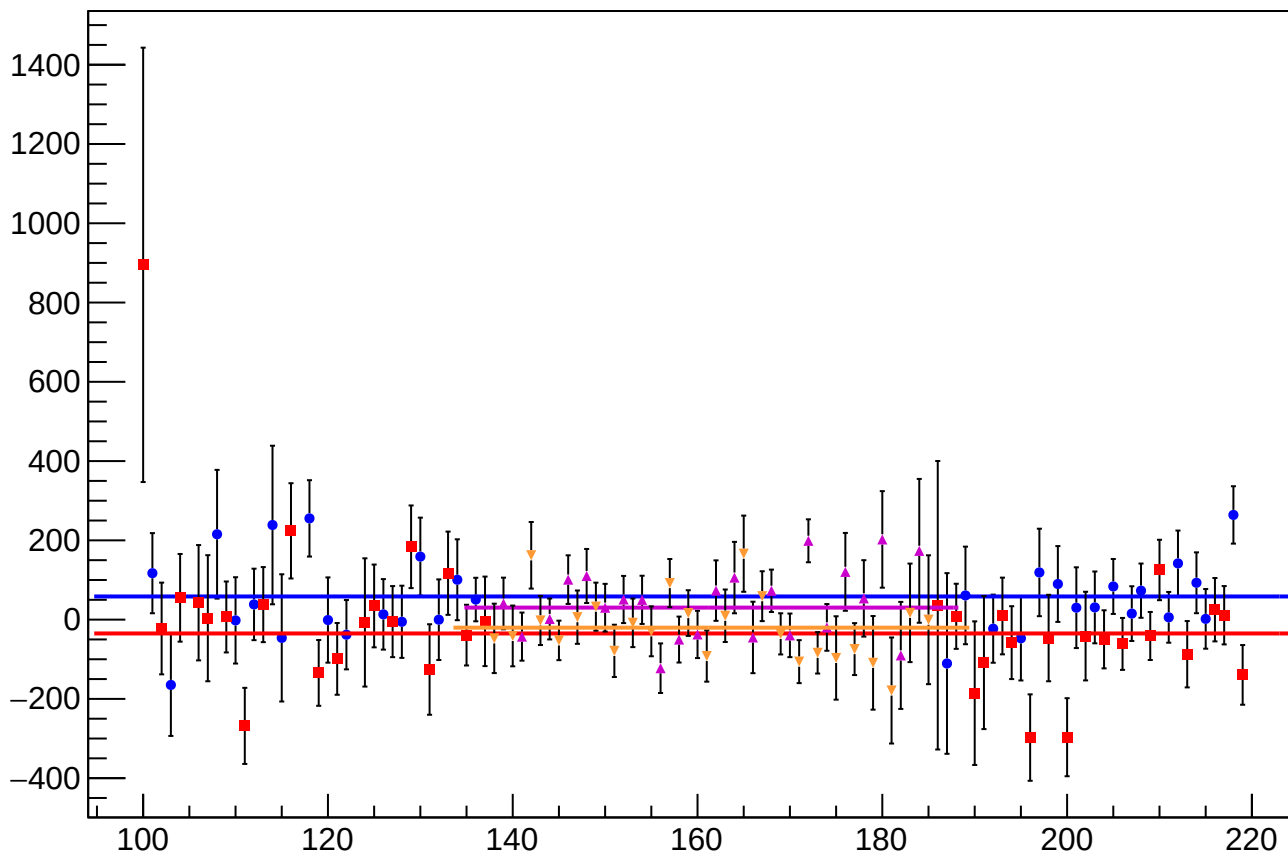
Left In: 439.877 $\pm$ 0.074 χ^2 /NDF: 1061910.1/22

+ sign 521.721 $\pm$ 0.064 χ^2 /NDF: 11993023.5/56

All: 523.573 $\pm$ 0.045 χ^2 /NDF: 25306521.9/11

- sign 525.472 $\pm$ 0.065 χ^2 /NDF: 13311796.1/59

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 58.429 $\pm$ 15.923 χ^2 /NDF: 28.0/31

Left Out: -20.271 $\pm$ 13.636 χ^2 /NDF: 25.1/24

Right Out: -34.909 $\pm$ 15.787 χ^2 /NDF: 47.2/36

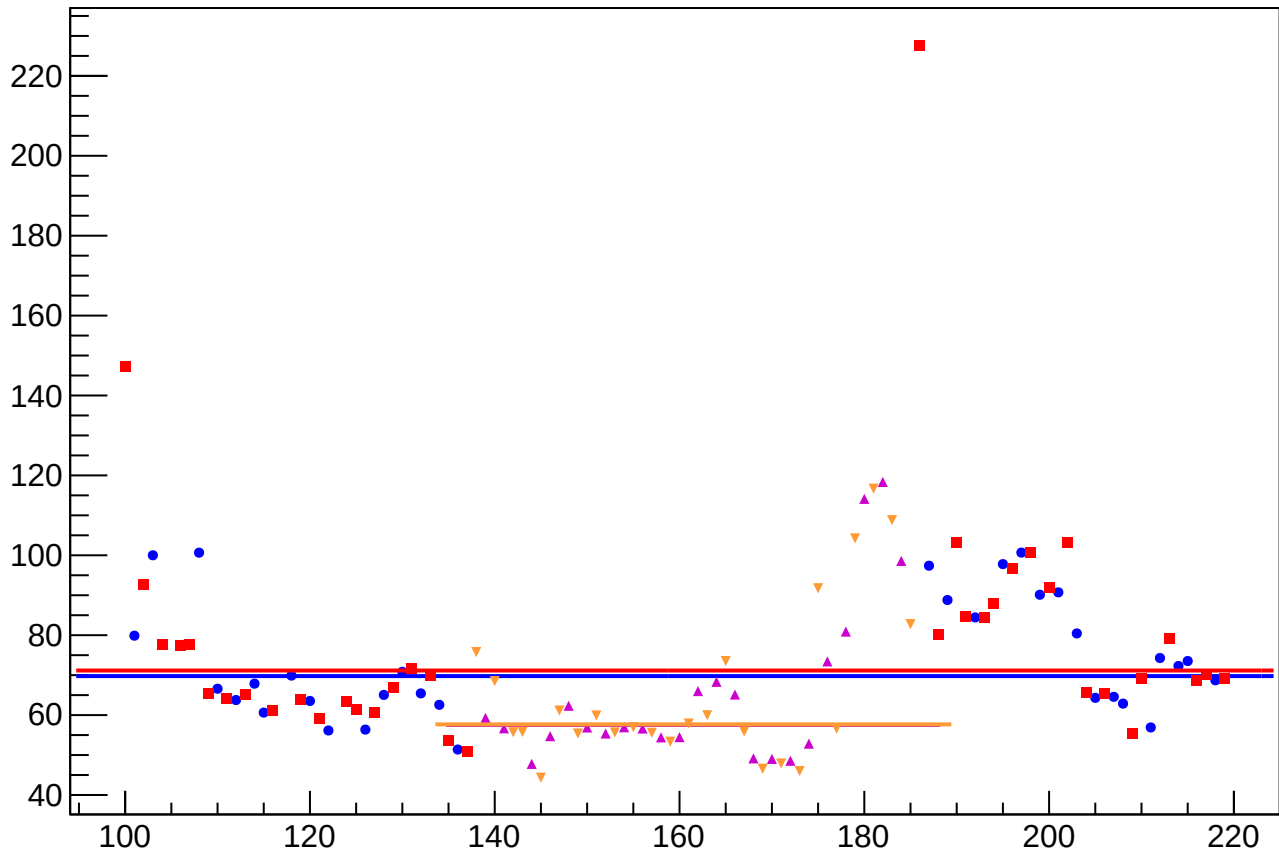
Left In: 30.318 $\pm$ 13.979 χ^2 /NDF: 32.6/22

+ sign 13.026 $\pm$ 10.357 χ^2 /NDF: 67.2/56

All: 7.399 $\pm$ 7.362 χ^2 /NDF: 157.2/116

- sign 1.653 $\pm$ 10.466 χ^2 /NDF: 89.4/59

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.760 $\pm$ 0.011 χ^2/NDF : 1336664.1/31

Left Out: 57.668 $\pm$ 0.010 χ^2/NDF : 1909739.8/24

Right Out: 71.161 $\pm$ 0.011 χ^2/NDF : 1702204.4/36

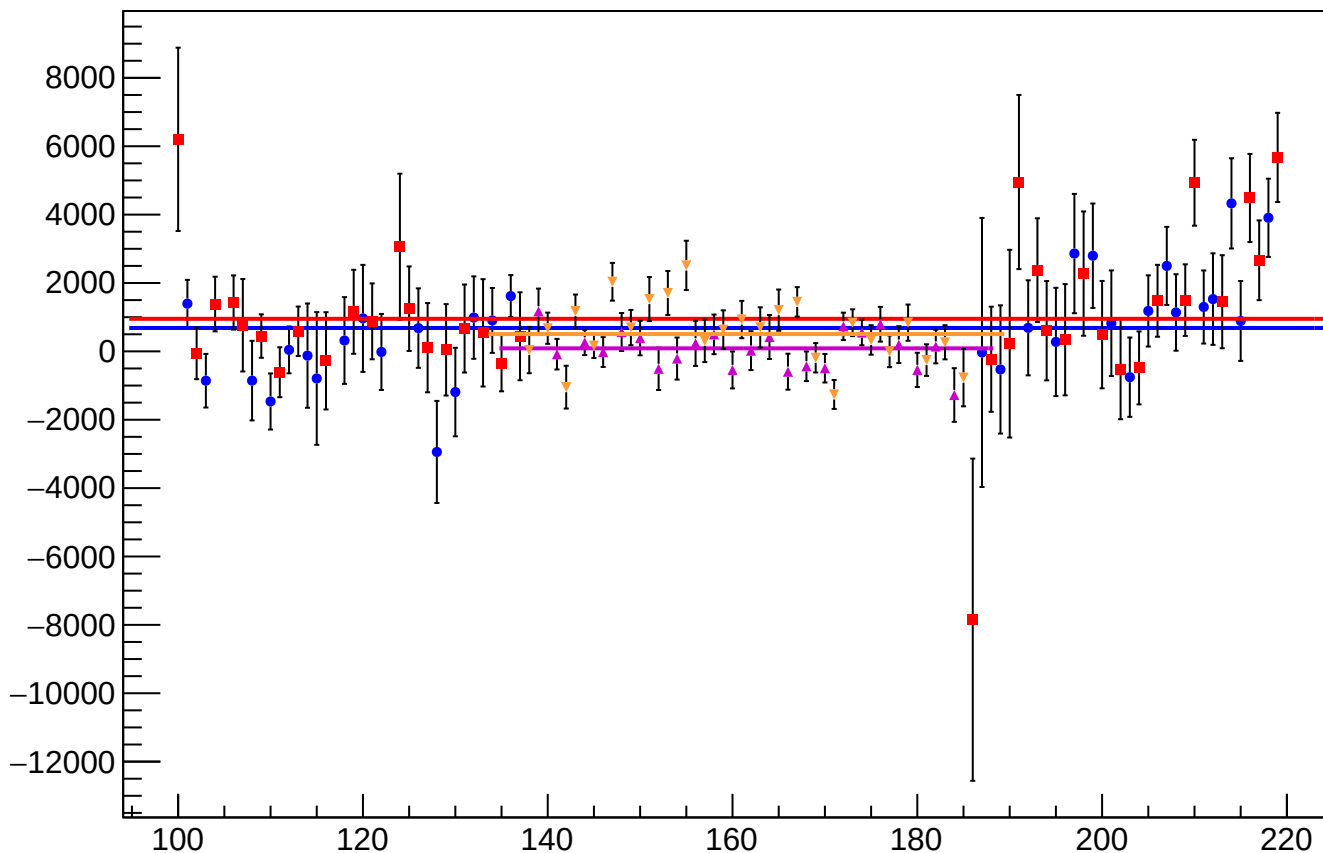
Left In: 57.539 $\pm$ 0.010 χ^2/NDF : 1443262.3/22

+ sign 62.784 $\pm$ 0.007 χ^2/NDF : 3911746.2/56

All: 63.151 $\pm$ 0.005 χ^2/NDF : 7896836.1/116

- sign 63.526 $\pm$ 0.007 χ^2/NDF : 3980020.1/59

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug



Right In: 684.433 $\pm$ 196.119 χ^2 /NDF: 51.0/31

Left Out: 507.170 $\pm$ 101.776 χ^2 /NDF: 65.8/24

Right Out: 952.609 $\pm$ 189.100 χ^2 /NDF: 61.8/36

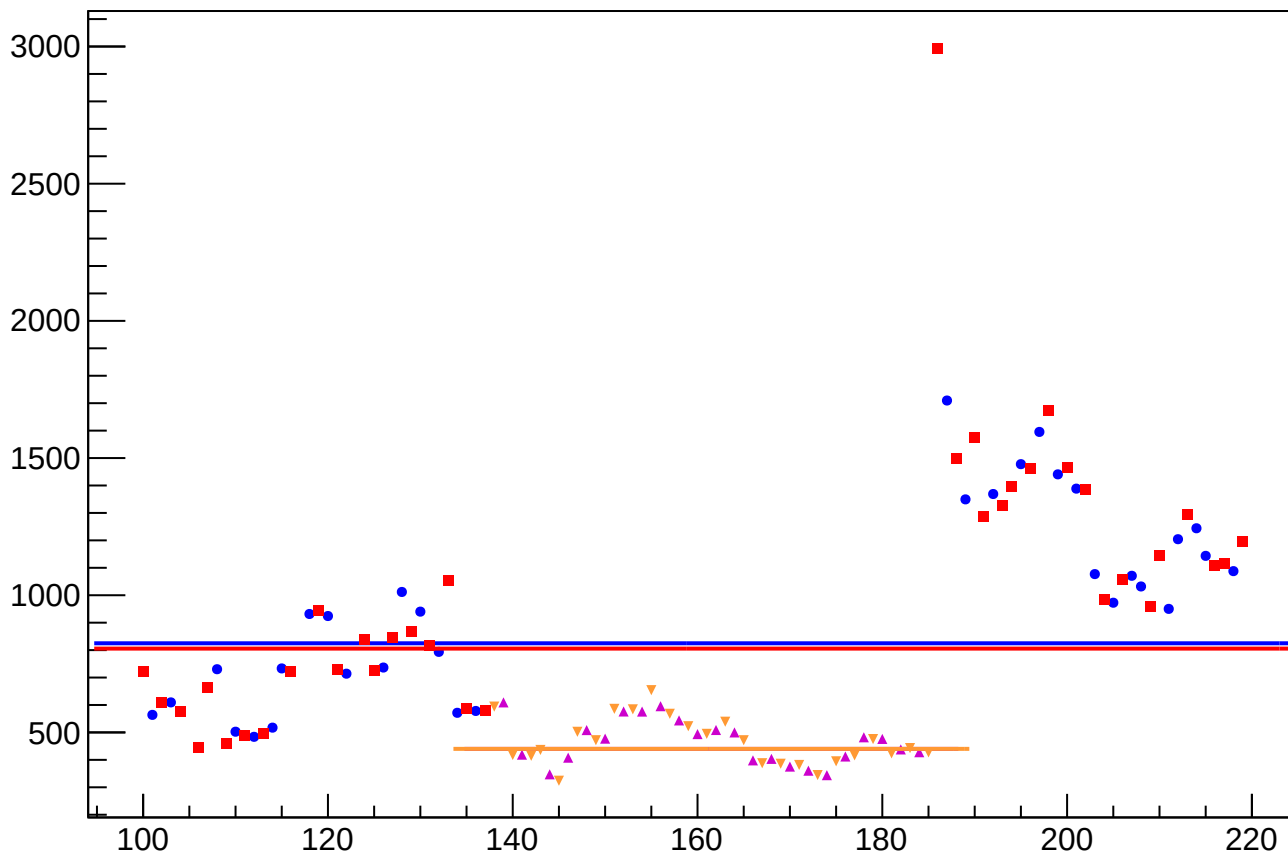
Left In: 88.471 $\pm$ 104.541 χ^2 /NDF: 23.3/22

+ sign 544.780 $\pm$ 90.336 χ^2 /NDF: 117.5/56

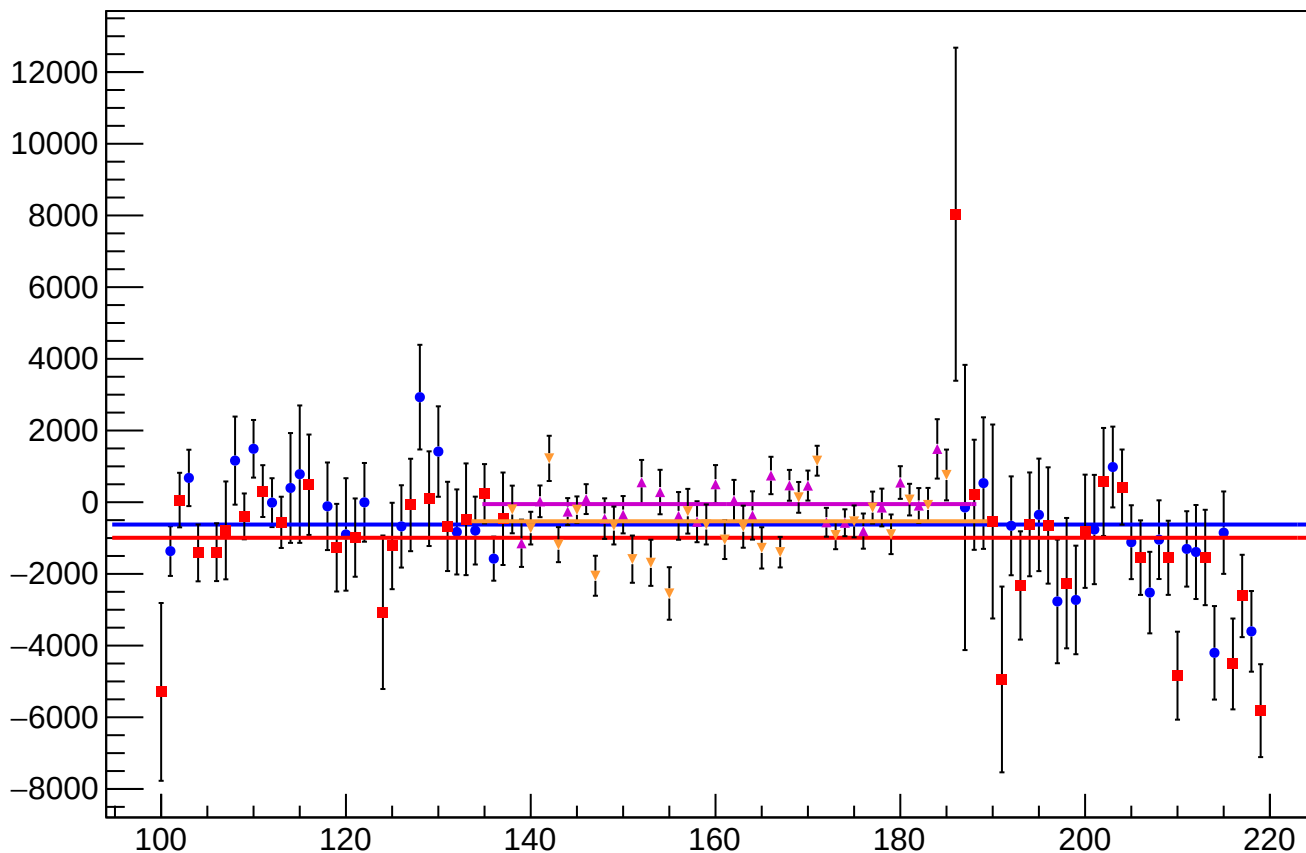
All: 419.379 $\pm$ 64.282 χ^2 /NDF: 222.5/116

- sign 290.752 $\pm$ 91.491 χ^2 /NDF: 101.1/59

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



asym_sam_15_48_dd_mean vs Slug



Right In: -622.970 ± 194.489 χ^2/NDF : 50.6/31

Left Out: -531.569 ± 101.245 χ^2/NDF : 65.6/24

Right Out: -992.484 ± 188.123 χ^2/NDF : 61.0/36

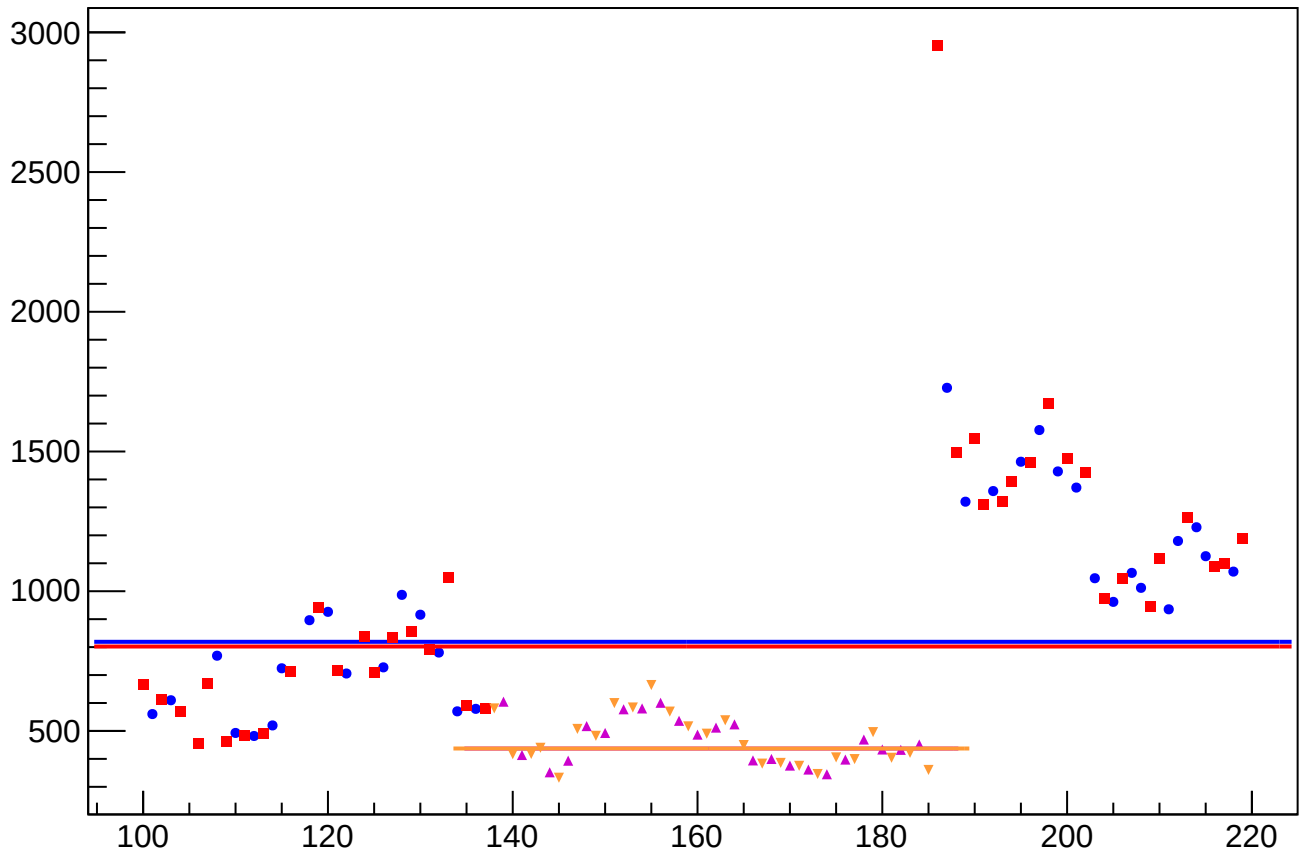
Left In: -52.554 ± 103.870 χ^2/NDF : 24.1/22

+ sign -551.057 ± 89.806 χ^2/NDF : 116.4/56

All: -413.340 ± 63.896 χ^2/NDF : 225.3/116

- sign -272.152 ± 90.930 χ^2/NDF : 104.2/59

asym_sam_15_48_dd_rms vs Slug



Right In: 818.961+/-0.138 χ^2/NDF : 4617136.6/31

Left Out: 437.157+/-0.072 χ^2/NDF :1227453.3/24

Right Out: 802.125+/-0.133 χ^2/NDF : 6443624.6/36

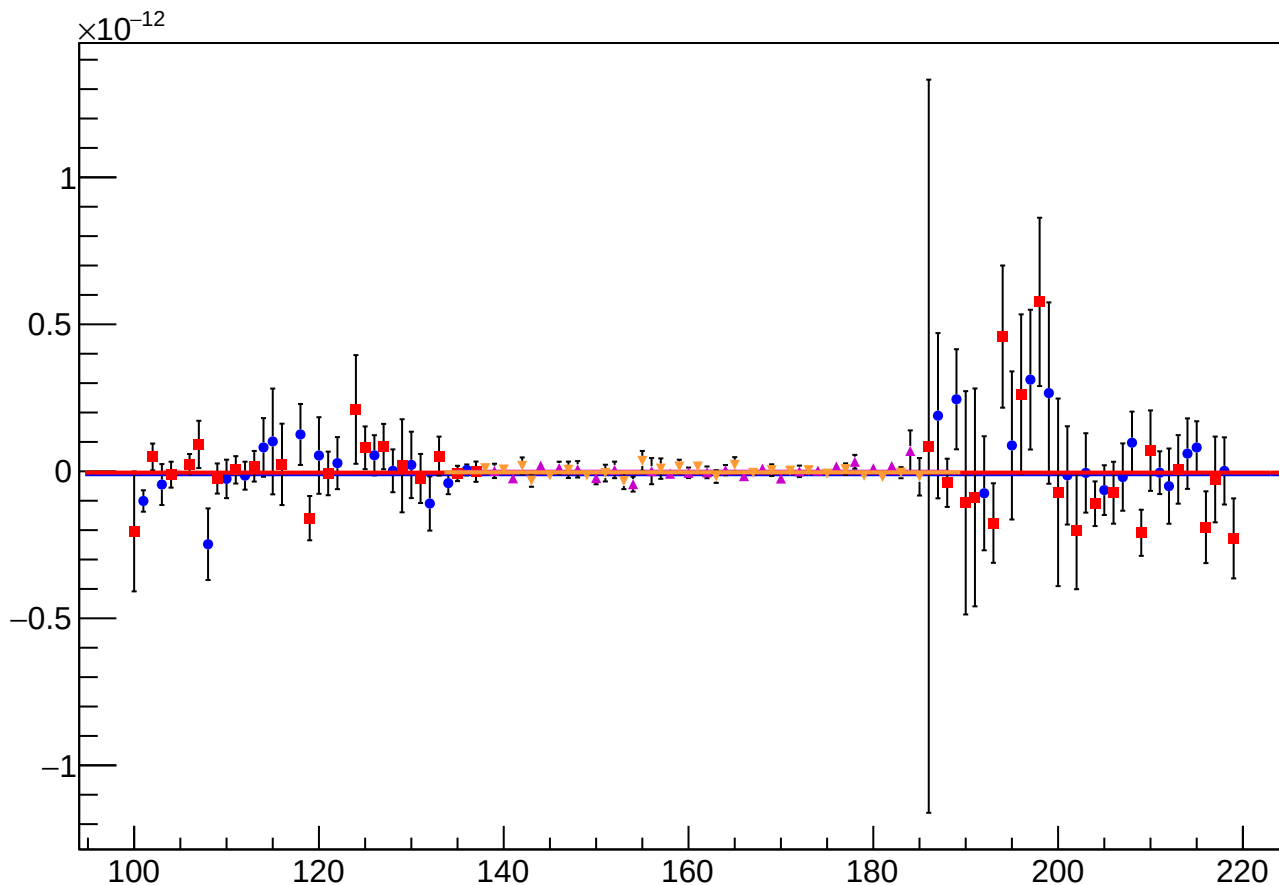
Left In: 436.937+/-0.073 χ^2/NDF :1080038.0/22

+ sign 518.562+/-0.064 χ^2/NDF : 11908818.2/56

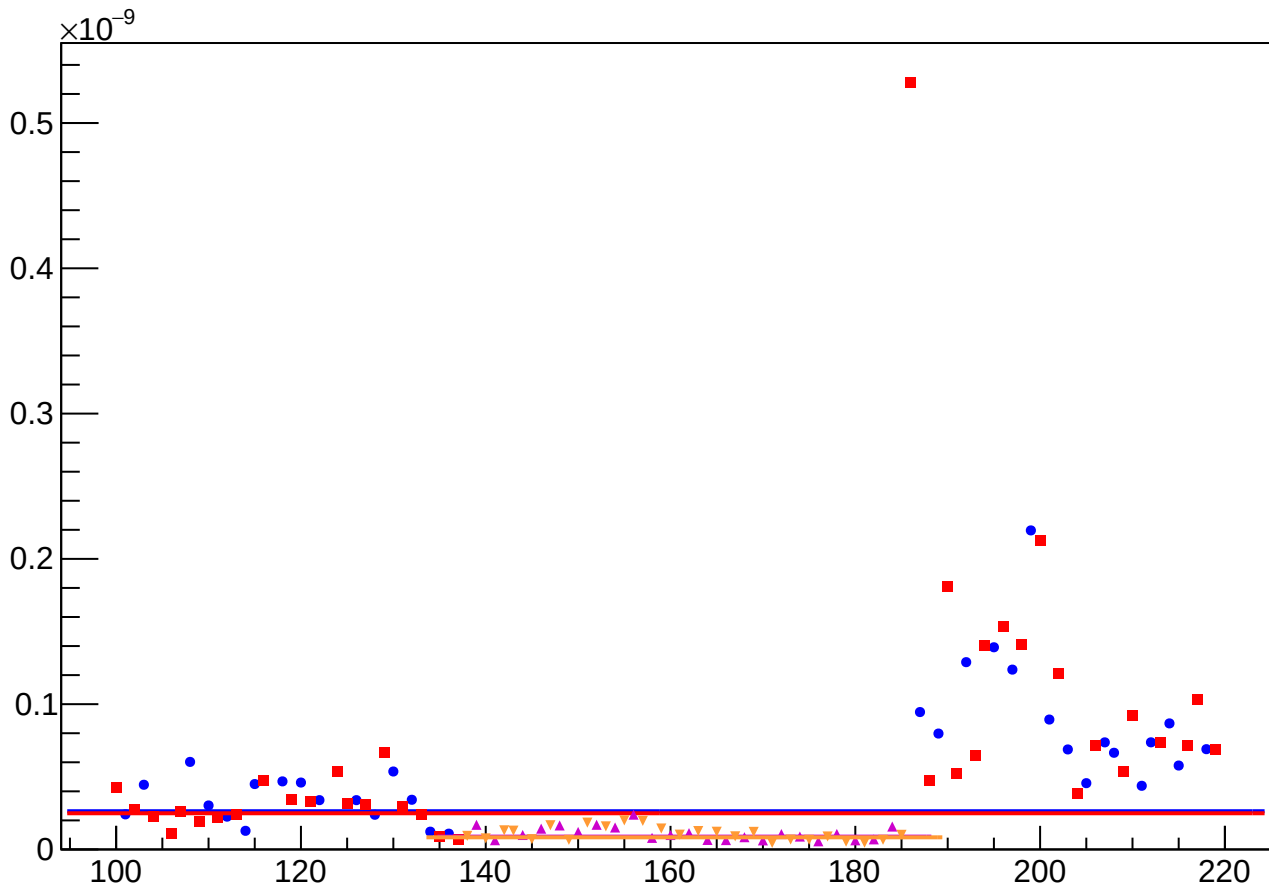
All: 520.387+/-0.045 χ^2/NDF : 25209995.4/119

- sign 522.257+/-0.064 χ^2/NDF : 13299505.6/59

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug



asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7368930.3/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8047896.1/36

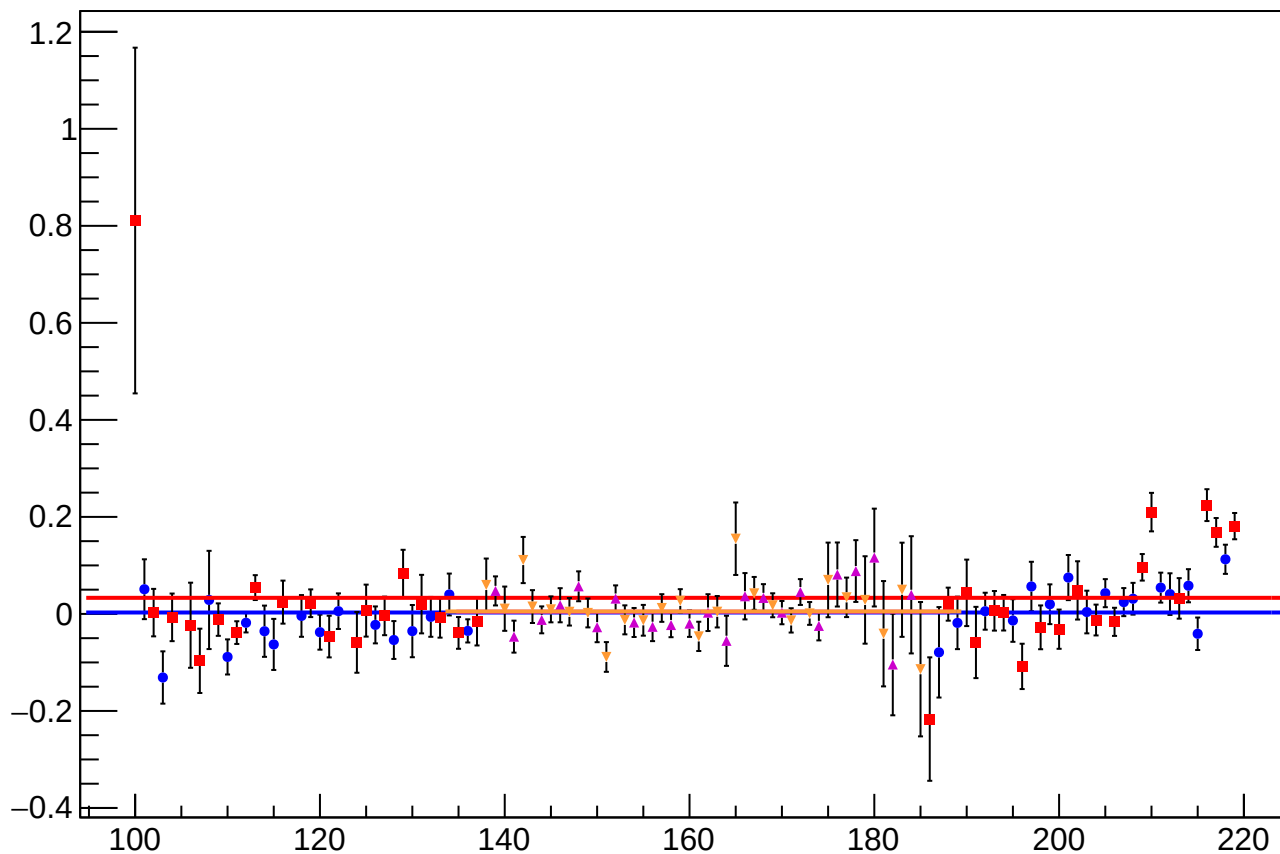
Left In: 0.000+/-0.000 χ^2/NDF : 1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 13929927.7/56

All: 0.000+/-0.000 χ^2/NDF : 27293185.8/116

- sign 0.000+/-0.000 χ^2/NDF : 13333949.0/59

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.007 χ^2/NDF : 53.3/31

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: 0.033 ± 0.006 χ^2/NDF : 171.5/36

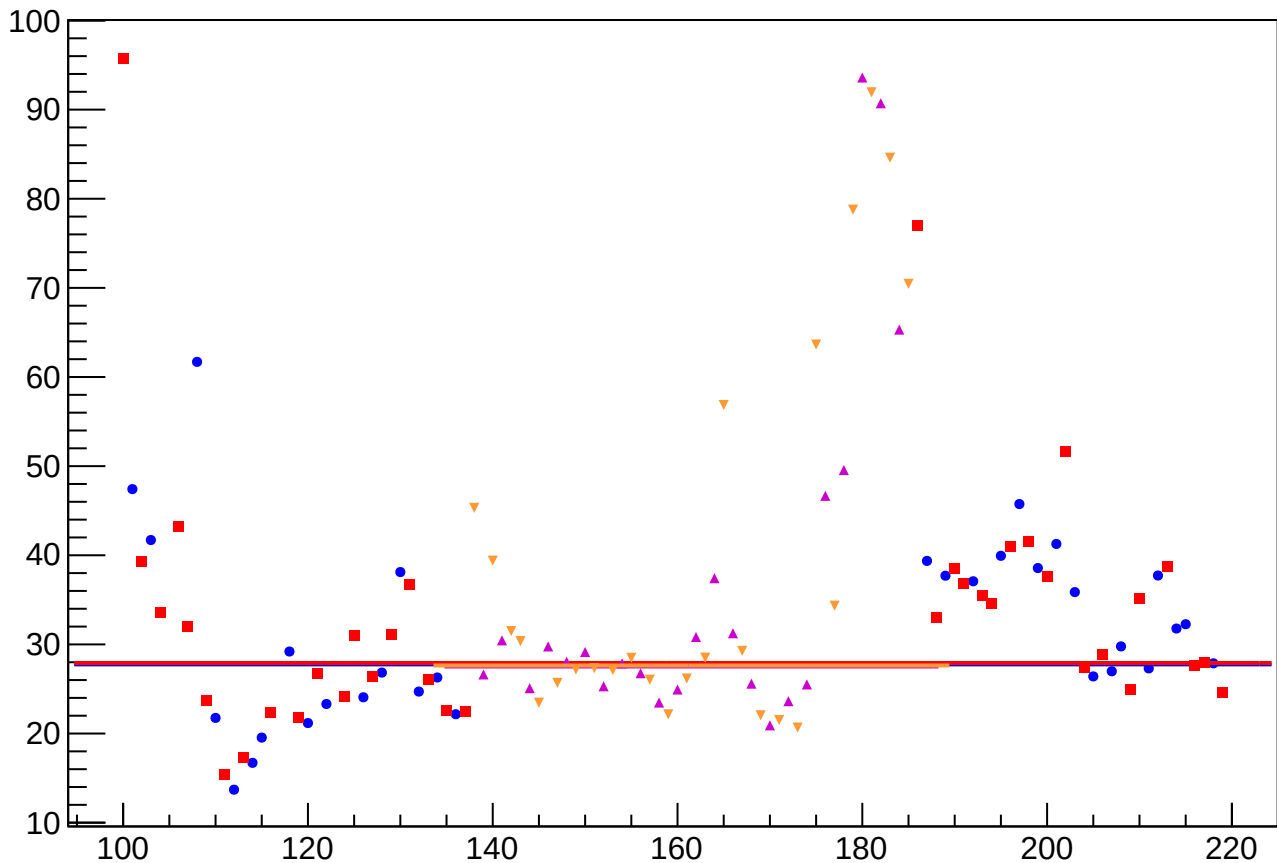
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign 0.004 ± 0.005 χ^2/NDF : 81.8/56

All: 0.012 ± 0.003 χ^2/NDF : 293.2/116

- sign 0.020 ± 0.005 χ^2/NDF : 205.7/59

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.759 $\pm$ 0.005 χ^2 /NDF: 3247413.3/31

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF: 3974084.8/24

Right Out: 27.916 $\pm$ 0.005 χ^2 /NDF: 3077460.3/36

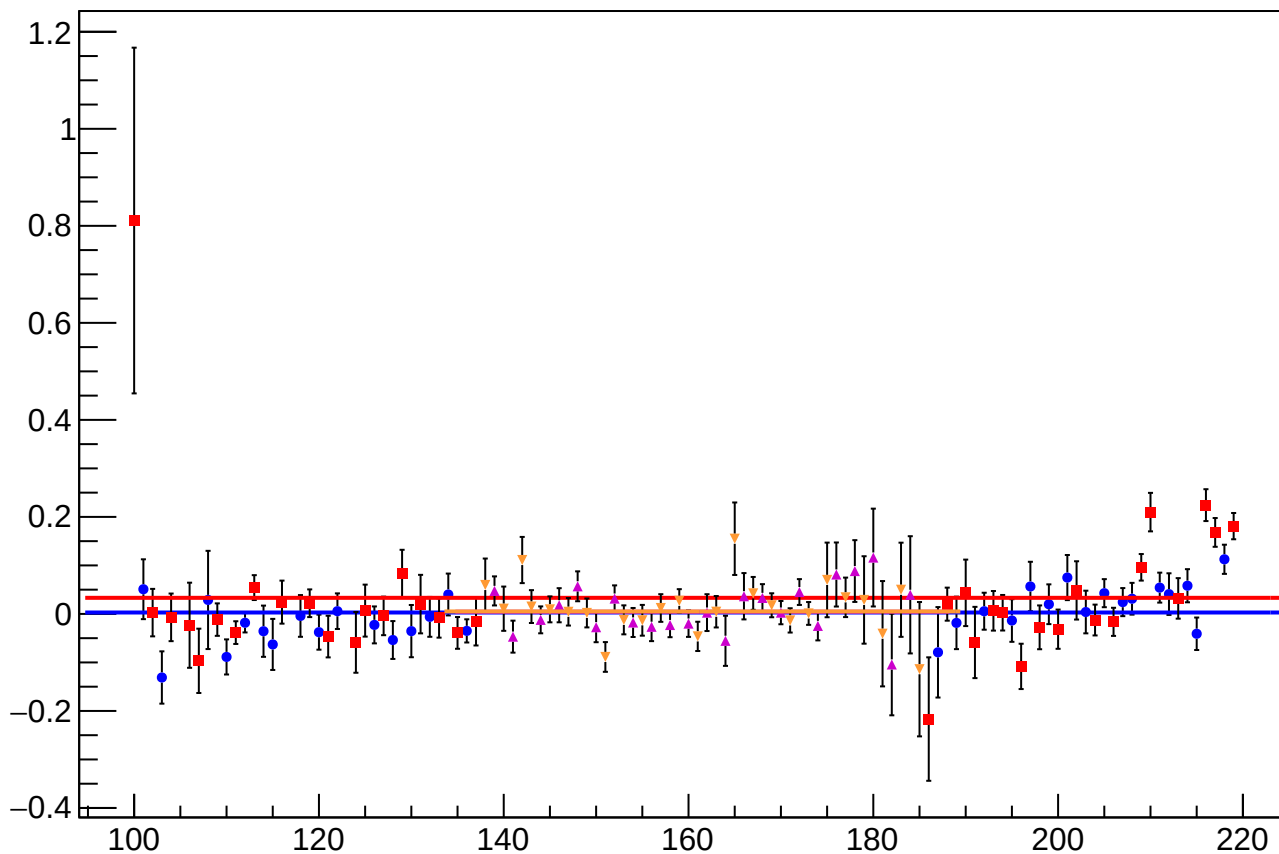
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF: 2634540.9/22

+ sign 27.699 $\pm$ 0.003 χ^2 /NDF: 7221836.8/56

All: 27.718 $\pm$ 0.002 χ^2 /NDF: 12937317.9/116

- sign 27.737 $\pm$ 0.003 χ^2 /NDF: 5715418.1/59

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.007 χ^2/NDF : 53.3/31

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: 0.033 ± 0.006 χ^2/NDF : 171.5/36

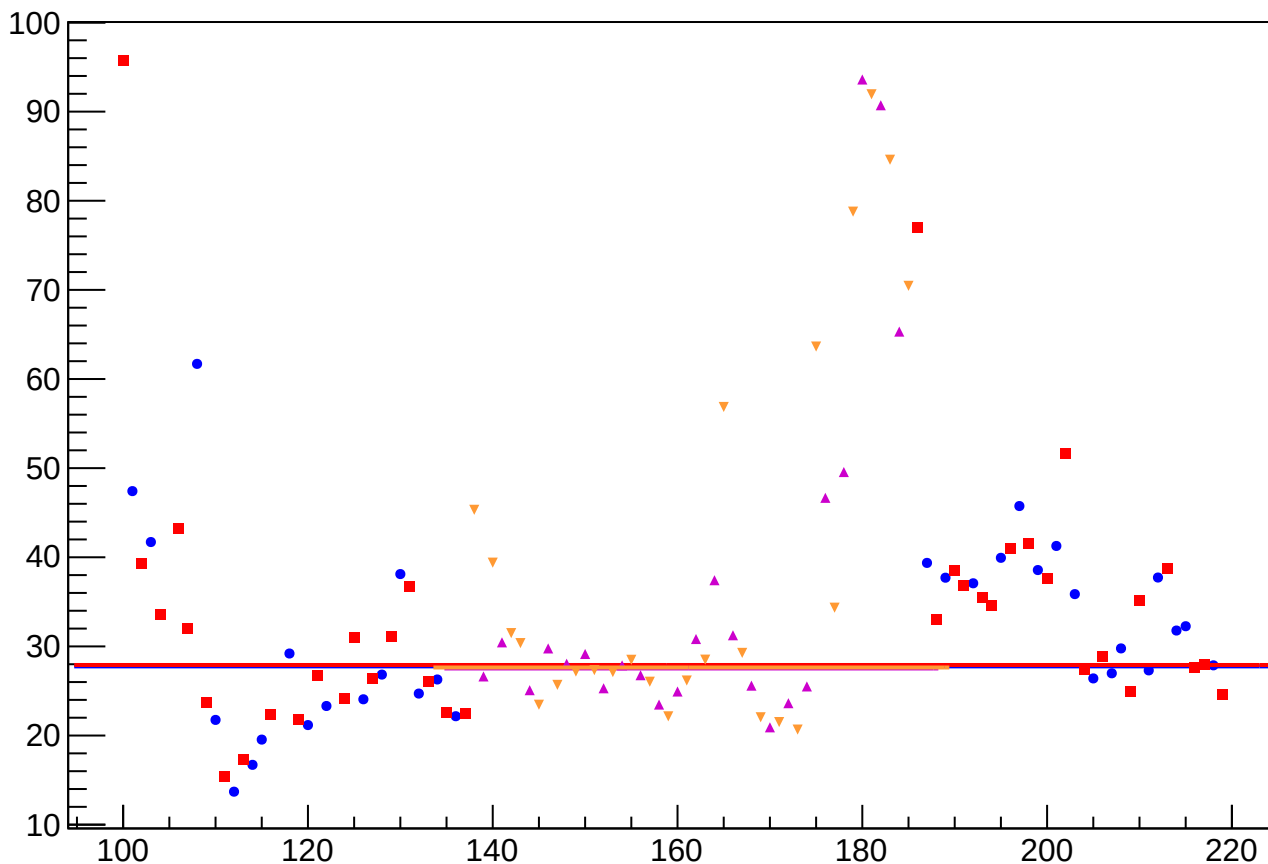
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign 0.004 ± 0.005 χ^2/NDF : 81.8/56

All: 0.012 ± 0.003 χ^2/NDF : 293.2/116

- sign 0.020 ± 0.005 χ^2/NDF : 205.7/59

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.759 $\pm$ 0.005 χ^2 /NDF: 3247413.3/31

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF: 3974084.8/24

Right Out: 27.916 $\pm$ 0.005 χ^2 /NDF: 3077460.3/36

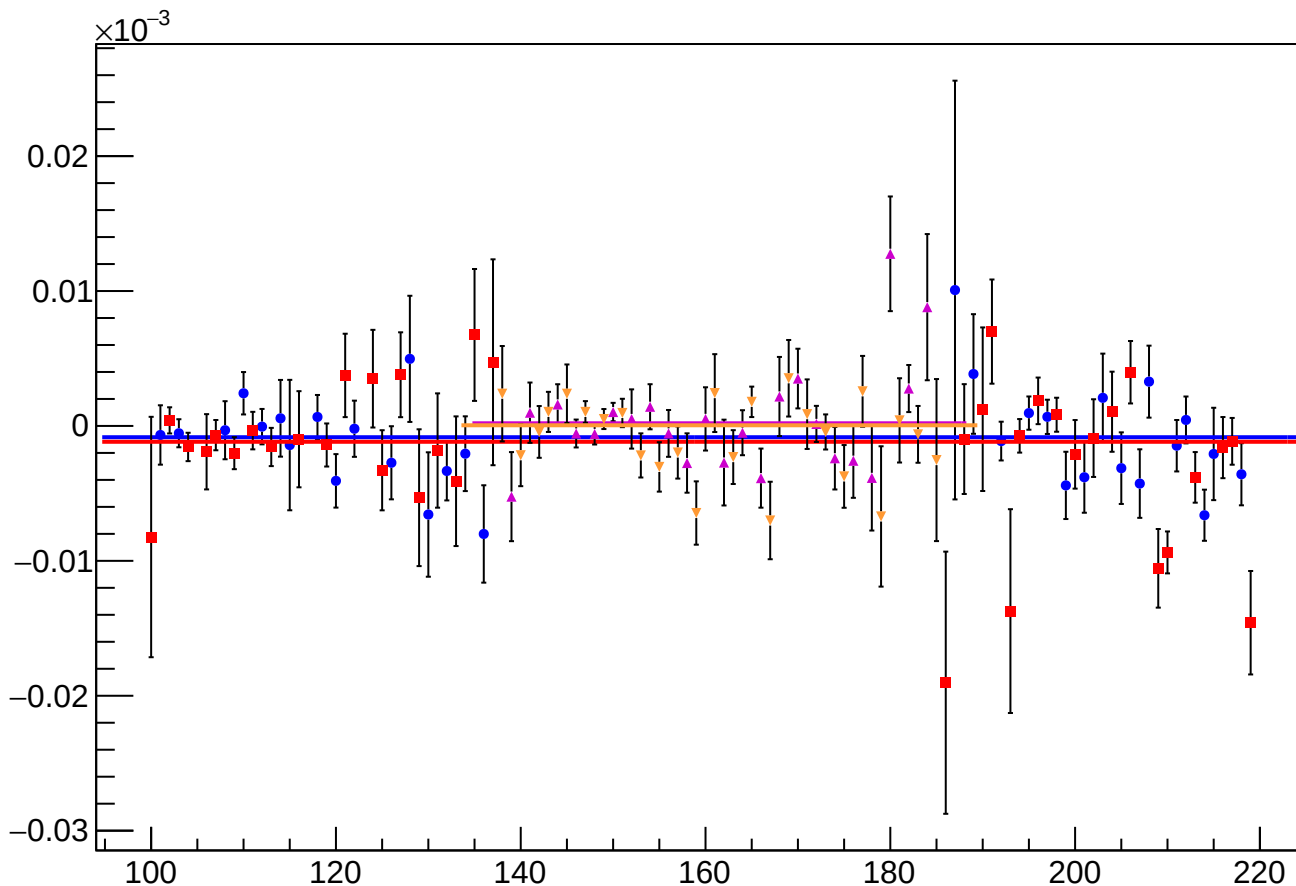
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF: 2634540.9/22

+ sign 27.699 $\pm$ 0.003 χ^2 /NDF: 7221836.8/56

All: 27.718 $\pm$ 0.002 χ^2 /NDF: 12937317.9/116

- sign 27.737 $\pm$ 0.003 χ^2 /NDF: 5715418.1/59

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 43.5/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 37.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 90.8/36

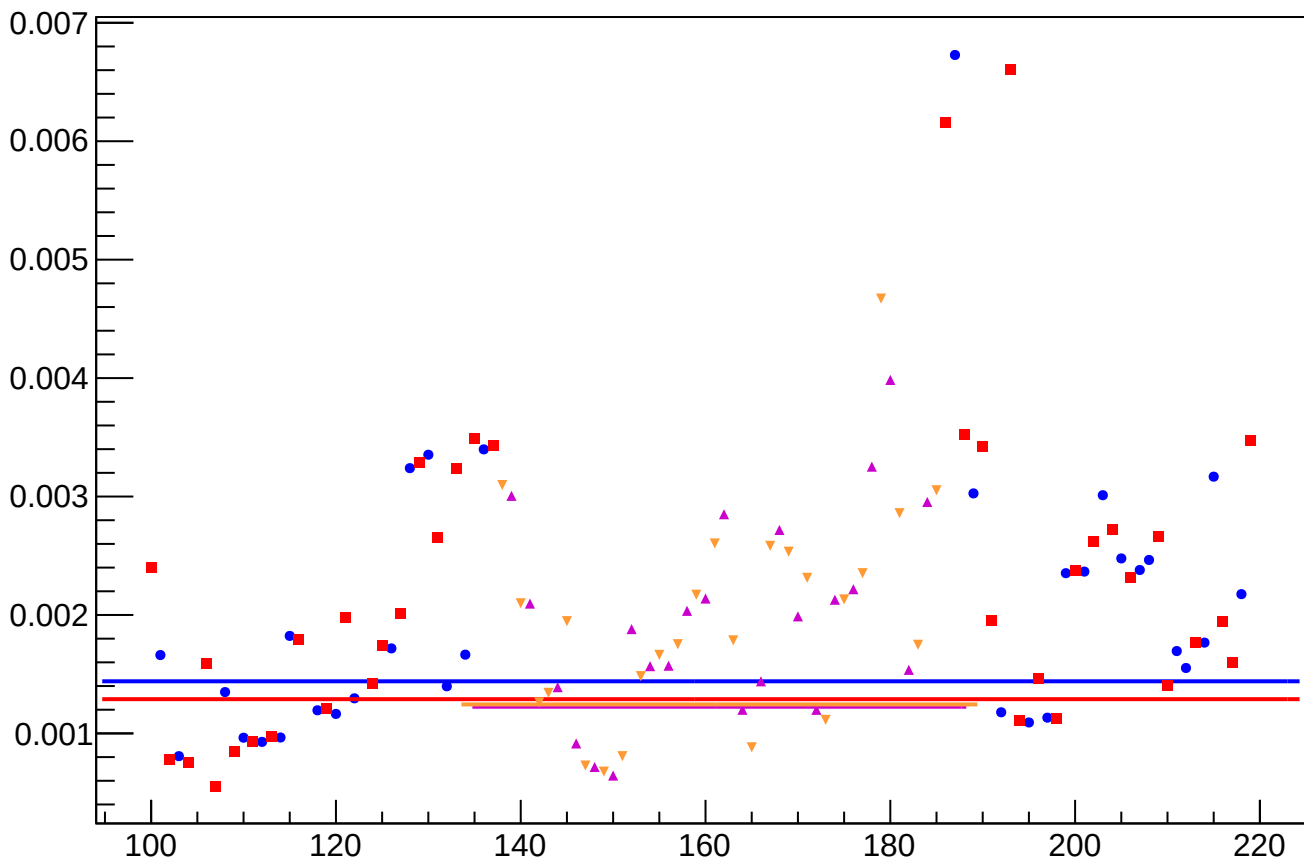
Left In: 0.000 ± 0.000 χ^2/NDF : 33.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 83.8/56

All: -0.000 ± 0.000 χ^2/NDF : 216.8/116

- sign -0.000 ± 0.000 χ^2/NDF : 132.8/59

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 6175286.7/31

Left Out: 0.001+/-0.000 χ^2/NDF :8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF : 9836388.5/36

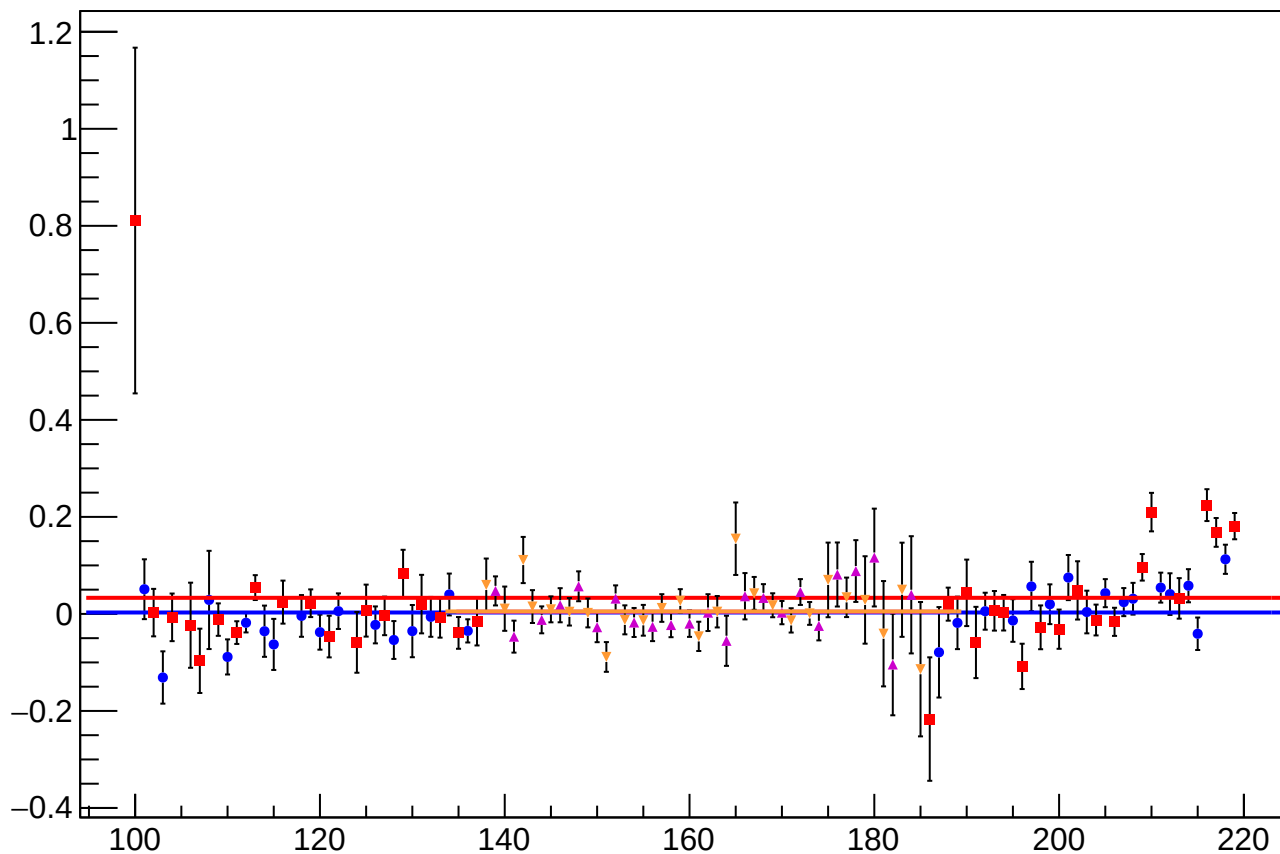
Left In: 0.001+/-0.000 χ^2/NDF :7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 14843667.1/56

All: 0.001+/-0.000 χ^2/NDF : 32641736.5/116

- sign 0.001+/-0.000 χ^2/NDF : 17696982.5/59

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.007 χ^2/NDF : 53.3/31

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: 0.033 ± 0.006 χ^2/NDF : 171.5/36

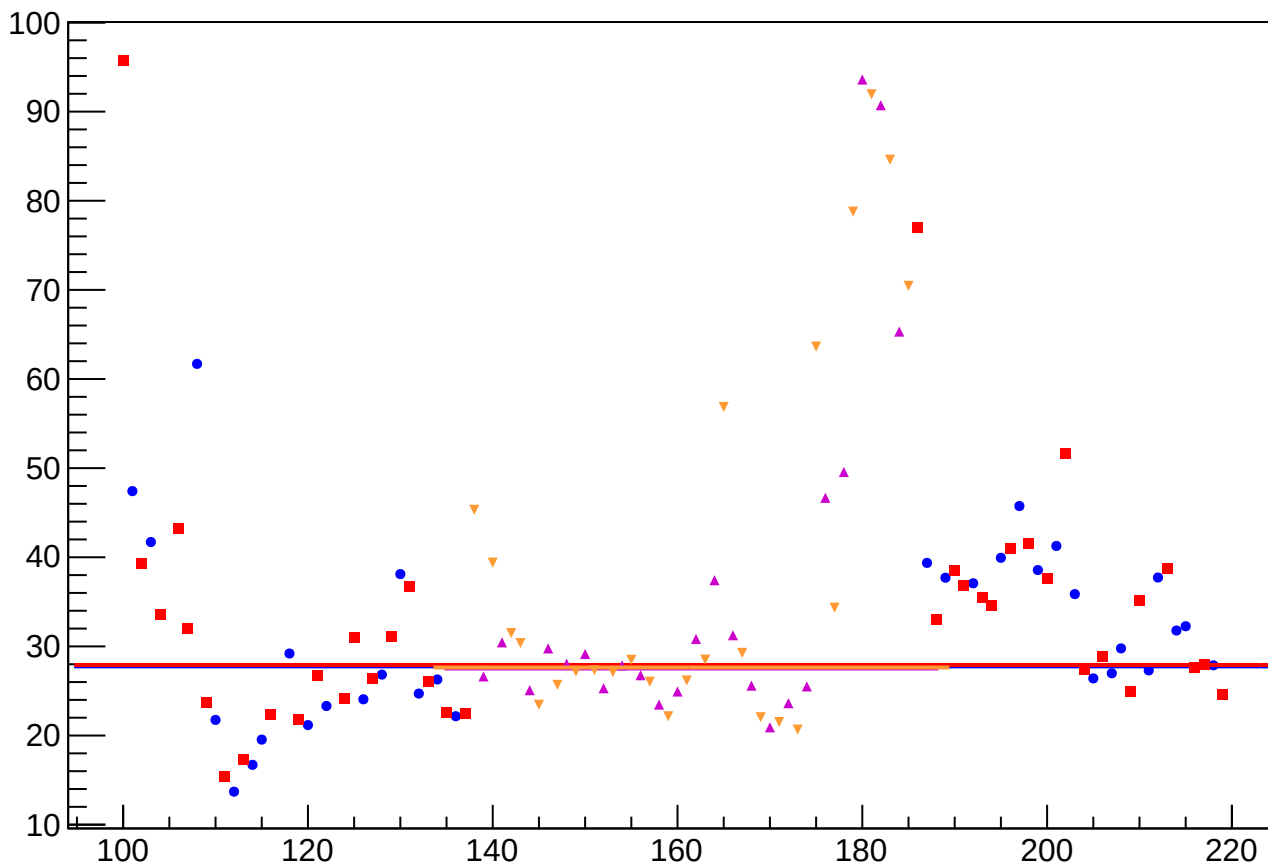
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign 0.004 ± 0.005 χ^2/NDF : 81.8/56

All: 0.012 ± 0.003 χ^2/NDF : 293.2/116

- sign 0.020 ± 0.005 χ^2/NDF : 205.7/59

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.759 $\pm$ 0.005 χ^2 /NDF: 3247390.9/31

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF: 3974025.3/24

Right Out: 27.916 $\pm$ 0.005 χ^2 /NDF: 3077570.7/36

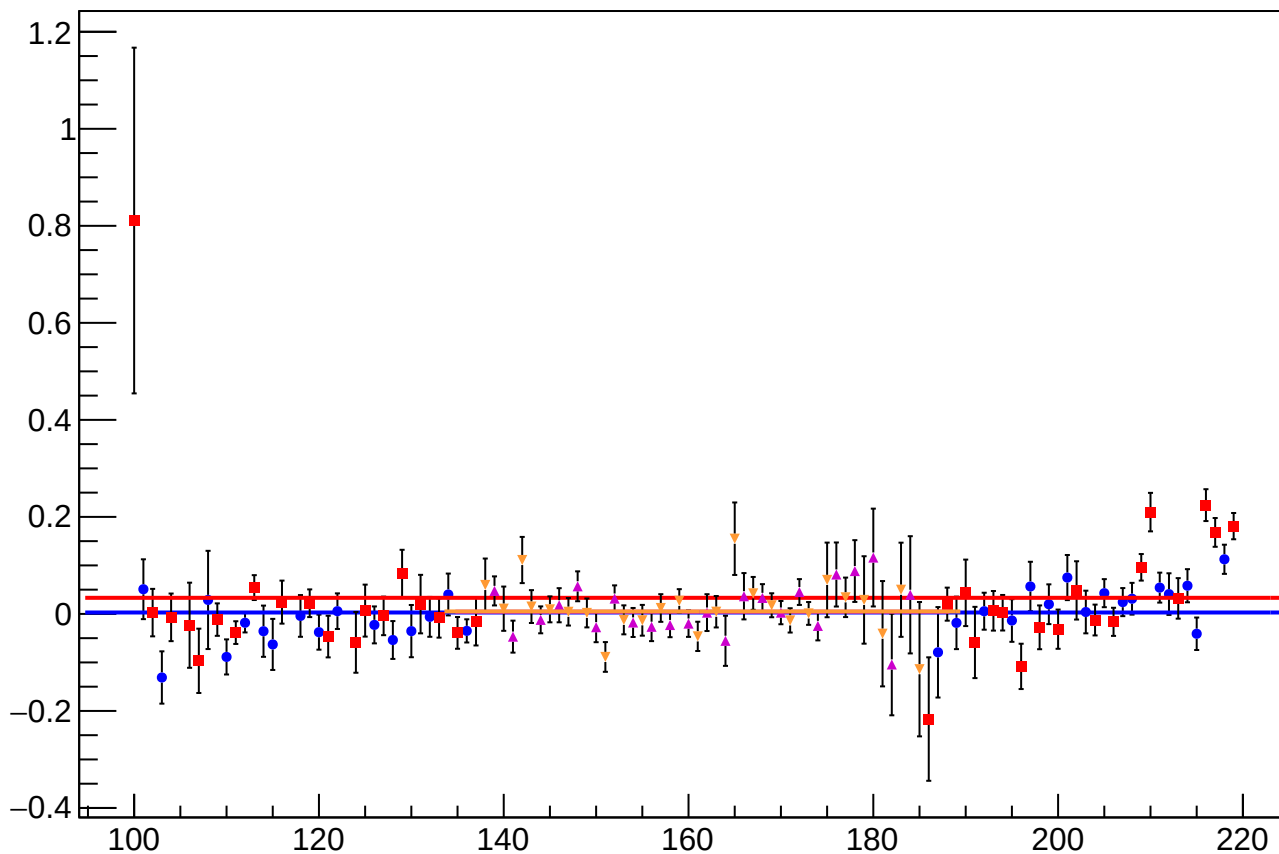
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF: 2634508.8/22

+ sign 27.699 $\pm$ 0.003 χ^2 /NDF: 7221752.7/56

All: 27.718 $\pm$ 0.002 χ^2 /NDF: 12937307.0/116

- sign 27.737 $\pm$ 0.003 χ^2 /NDF: 5715491.5/59

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.007 χ^2/NDF : 53.3/31

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: 0.033 ± 0.006 χ^2/NDF : 171.5/36

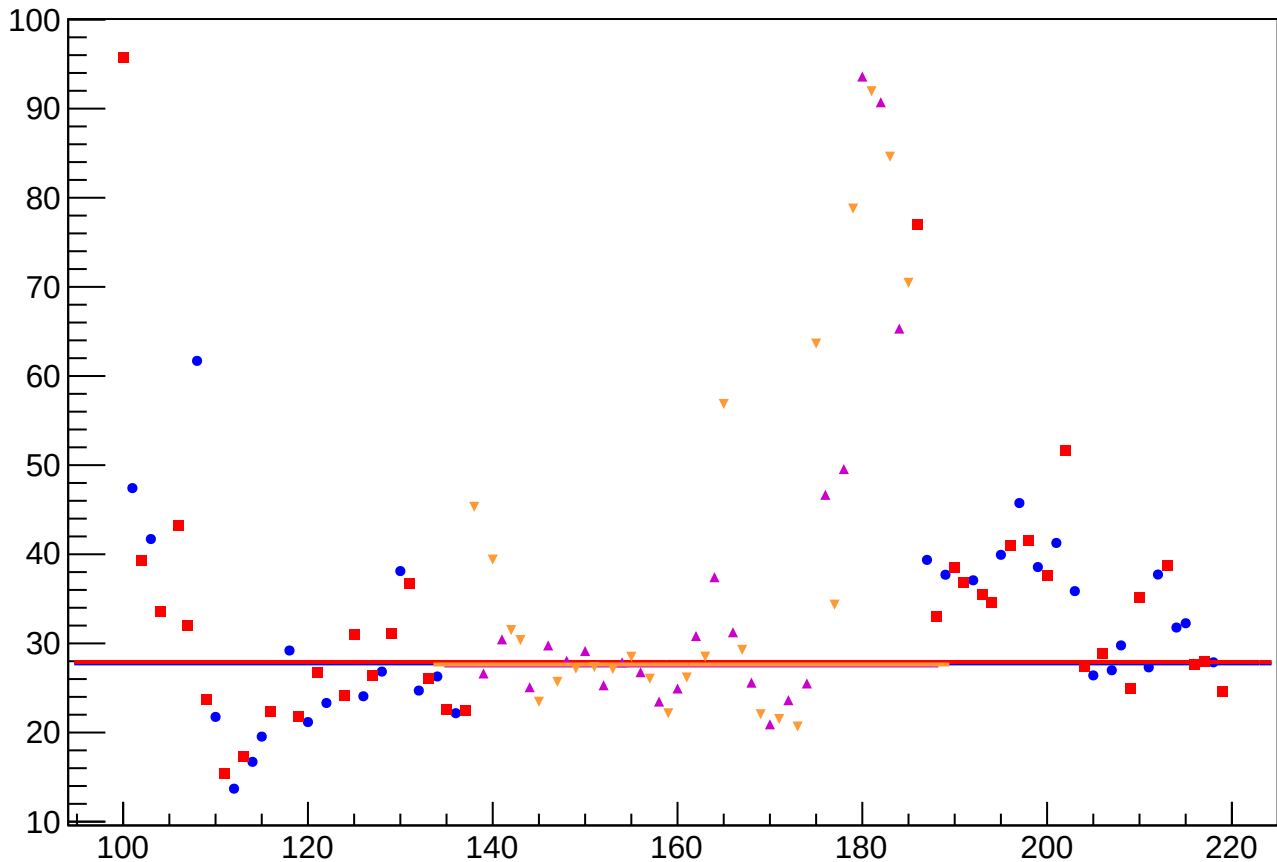
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign 0.004 ± 0.005 χ^2/NDF : 81.8/56

All: 0.012 ± 0.003 χ^2/NDF : 293.2/116

- sign 0.020 ± 0.005 χ^2/NDF : 205.7/59

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.759 $\pm$ 0.005 χ^2 /NDF: 3247390.9/31

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF: 3974025.3/24

Right Out: 27.916 $\pm$ 0.005 χ^2 /NDF: 3077570.7/36

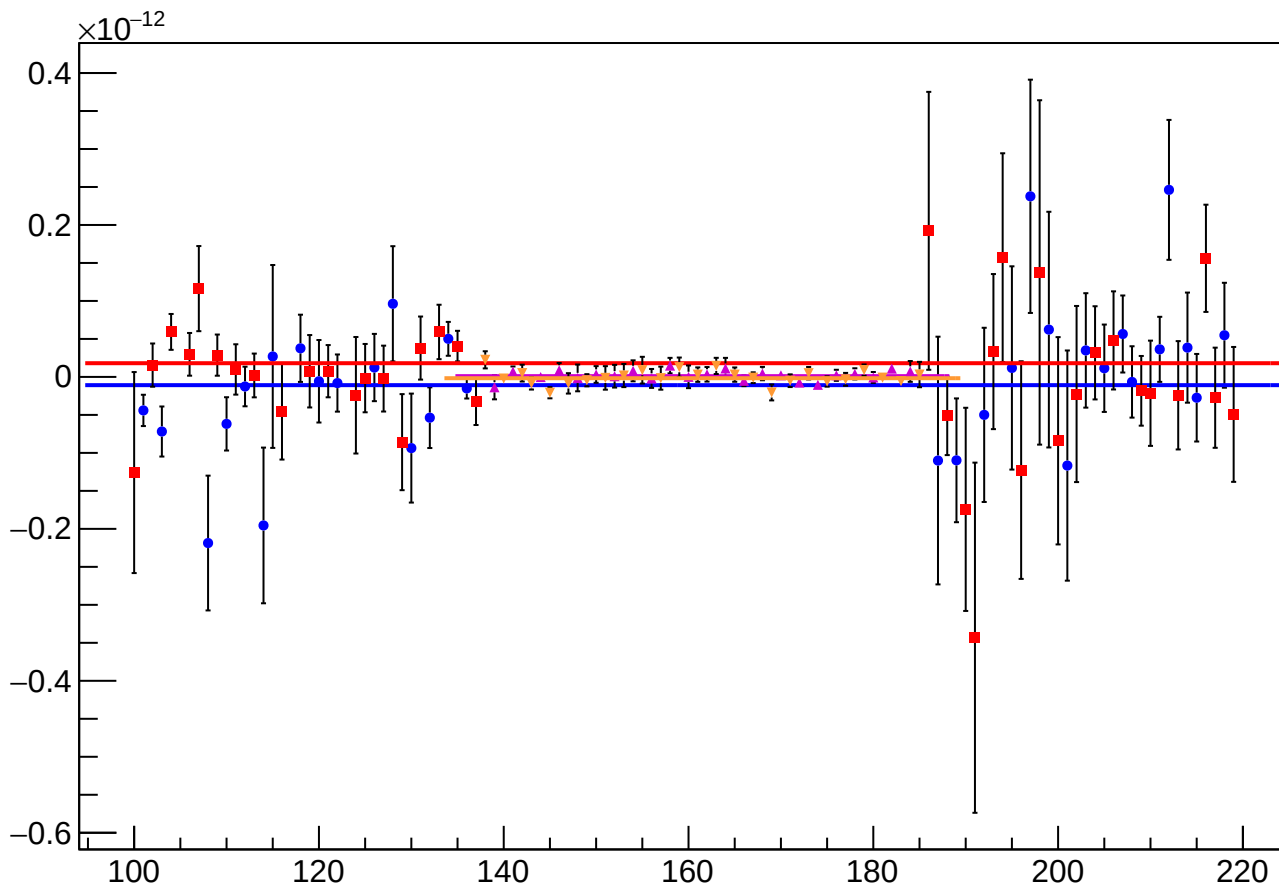
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF: 2634508.8/22

+ sign 27.699 $\pm$ 0.003 χ^2 /NDF: 7221752.7/56

All: 27.718 $\pm$ 0.002 χ^2 /NDF: 12937307.0/116

- sign 27.737 $\pm$ 0.003 χ^2 /NDF: 5715491.5/59

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 48.6/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.9/36

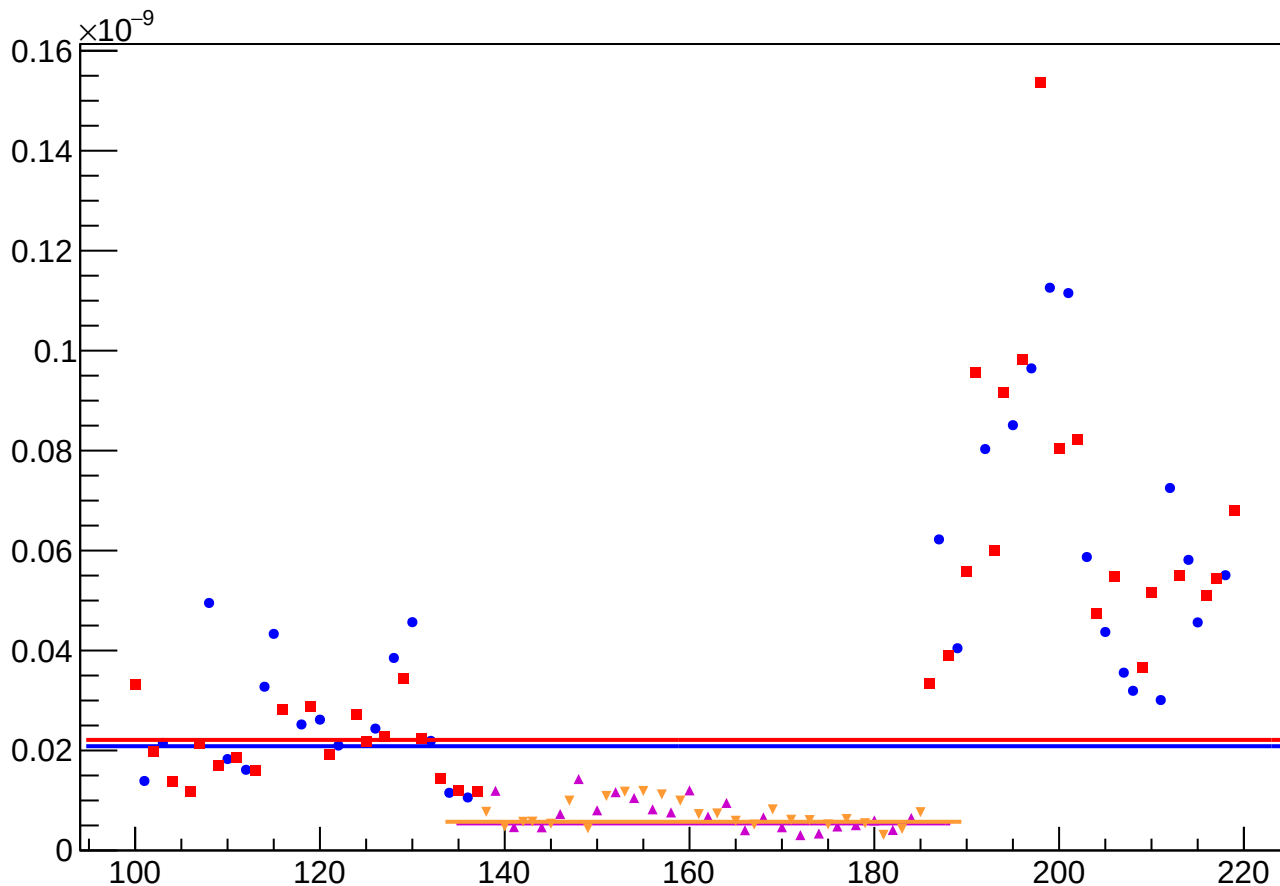
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 74.6/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 134.2/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 56.6/59

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8909907.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2645460.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 8385023.2/36

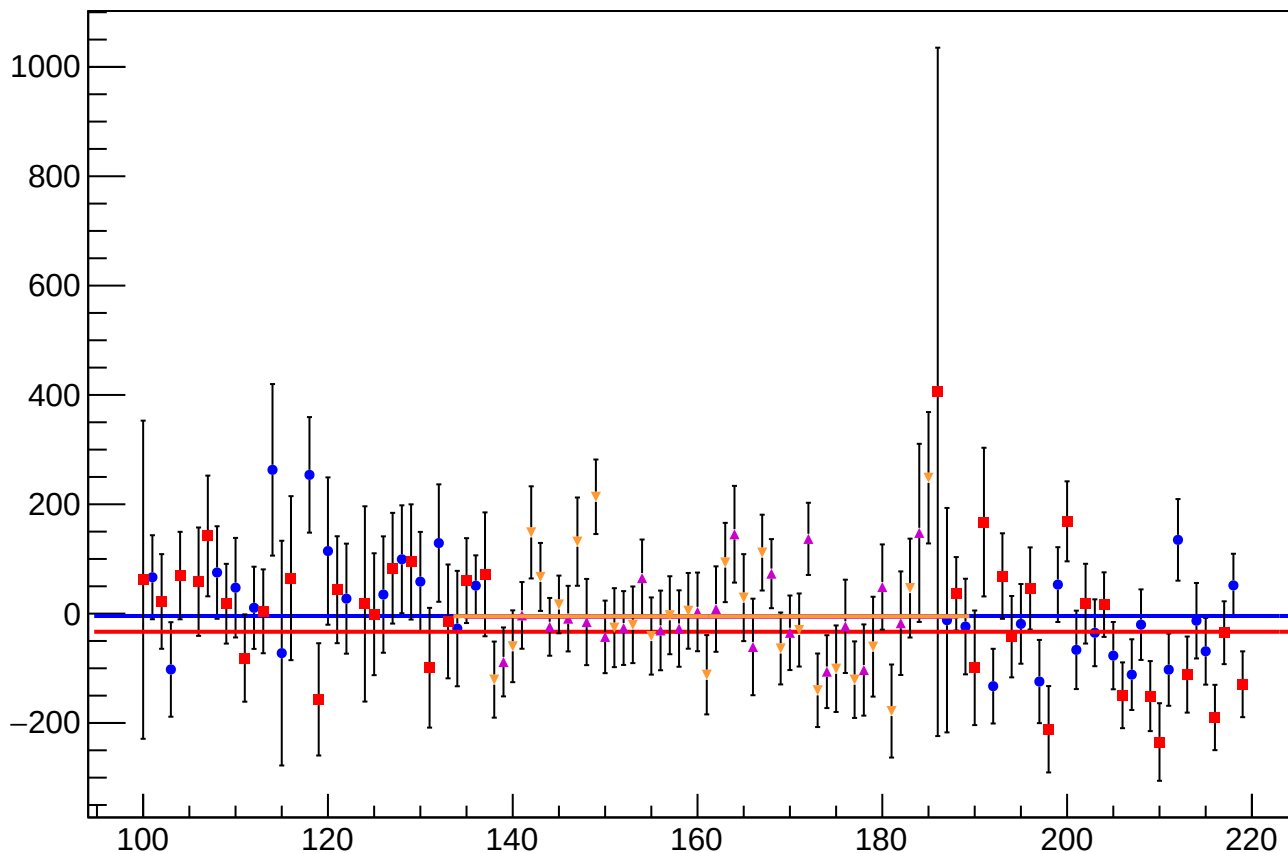
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 3476696.9/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 20074176.9/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 41930378.6/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 21826670.3/59

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -4.316 ± 13.873 χ^2/NDF : 37.3/31

Left Out: -4.742 ± 14.432 χ^2/NDF : 47.4/24

Right Out: -33.189 ± 13.535 χ^2/NDF : 61.5/36

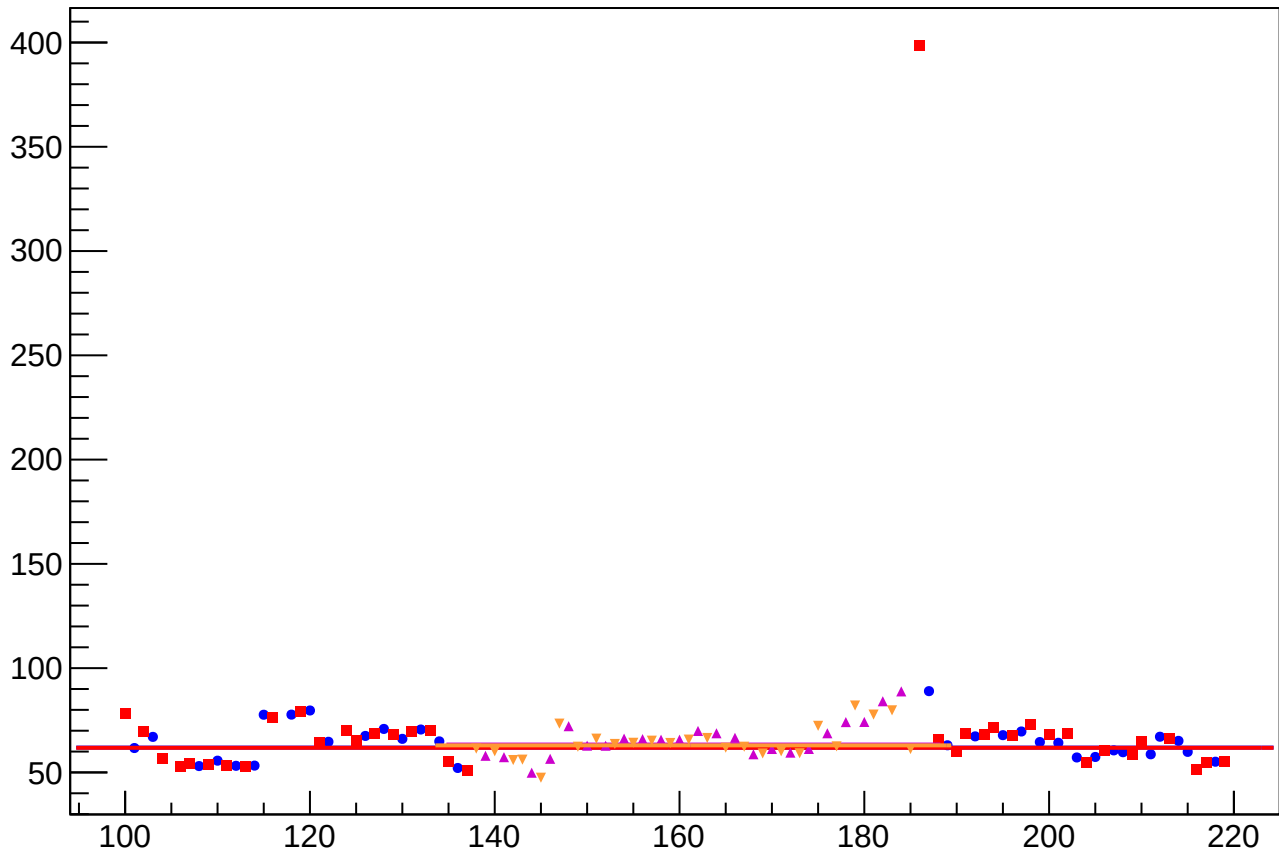
Left In: -5.776 ± 14.931 χ^2/NDF : 18.3/22

+ sign -4.521 ± 10.001 χ^2/NDF : 84.7/56

All: -12.651 ± 7.081 χ^2/NDF : 167.7/116

- sign -20.824 ± 10.028 χ^2/NDF : 81.7/59

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.902 $\pm$ 0.010 χ^2 /NDF: 428285.0/31

Left Out: 62.976 $\pm$ 0.010 χ^2 /NDF: 526859.8/24

Right Out: 61.812 $\pm$ 0.010 χ^2 /NDF: 1162944.9/36

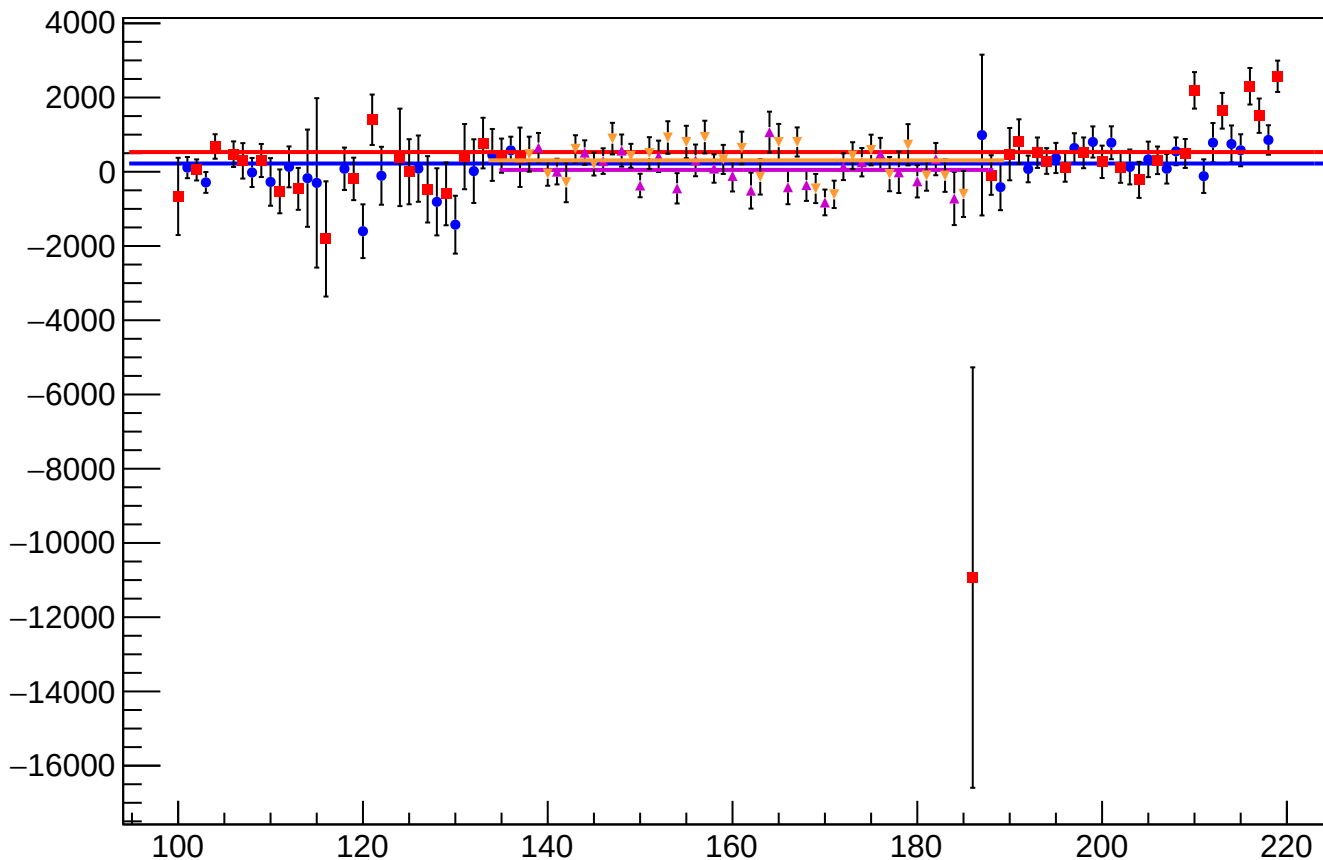
Left In: 63.365 $\pm$ 0.011 χ^2 /NDF: 496926.2/22

+ sign 62.418 $\pm$ 0.007 χ^2 /NDF: 960904.1/56

All: 62.465 $\pm$ 0.005 χ^2 /NDF: 2632745.6/116

- sign 62.513 $\pm$ 0.007 χ^2 /NDF: 1671751.7/59

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: 222.136 ± 84.619 χ^2/NDF : 31.2/31

Left Out: 307.183 ± 82.361 χ^2/NDF : 30.6/24

Right Out: 530.563 ± 80.840 χ^2/NDF : 89.3/36

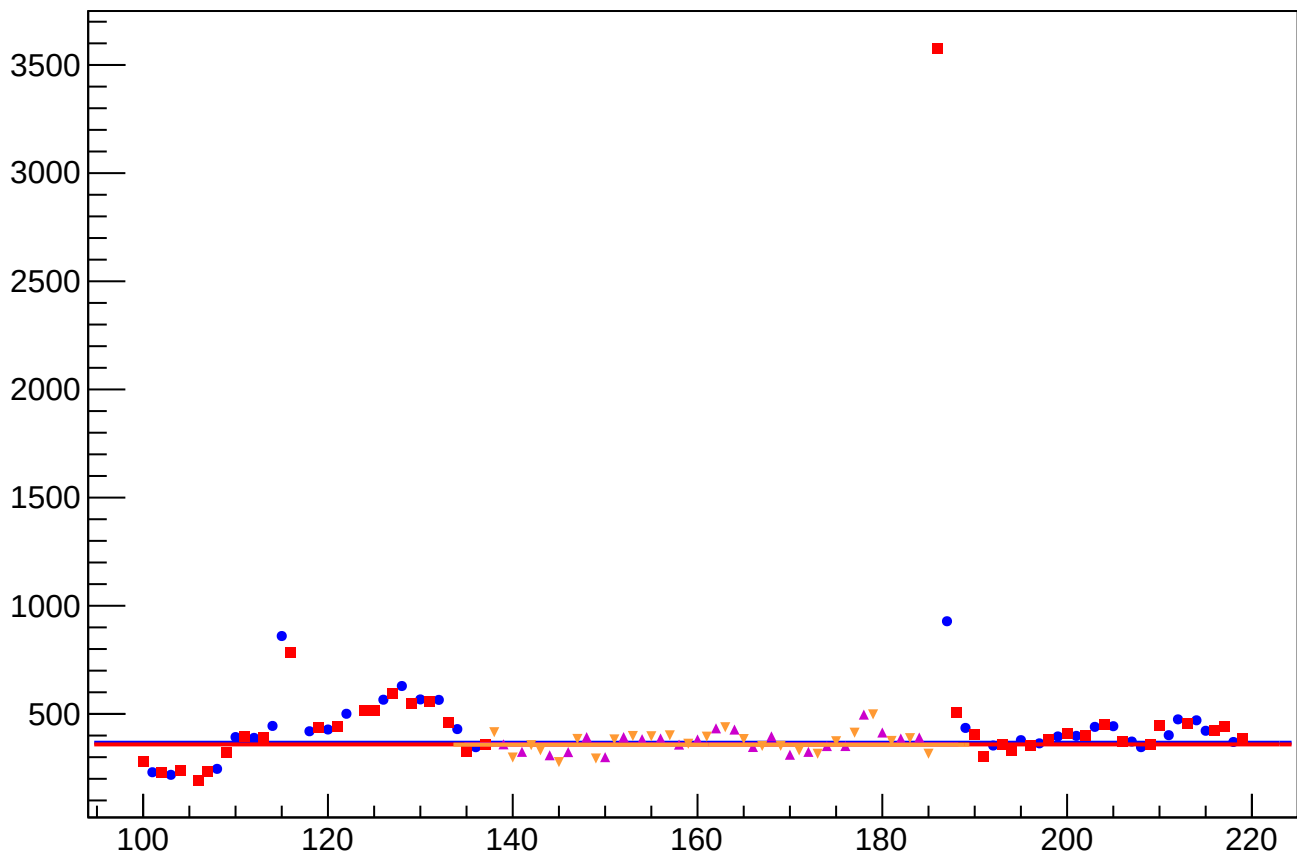
Left In: 50.030 ± 84.838 χ^2/NDF : 27.3/22

+ sign 265.809 ± 59.020 χ^2/NDF : 62.3/56

All: 283.999 ± 41.557 χ^2/NDF : 195.9/116

- sign 301.886 ± 58.525 χ^2/NDF : 133.4/59

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 366.855 $\pm$ 0.060 χ^2 /NDF: 2434374.6/31

Left Out: 357.731 $\pm$ 0.058 χ^2 /NDF:683730.4/24

Right Out: 358.979 $\pm$ 0.057 χ^2 /NDF: 3281536.0/36

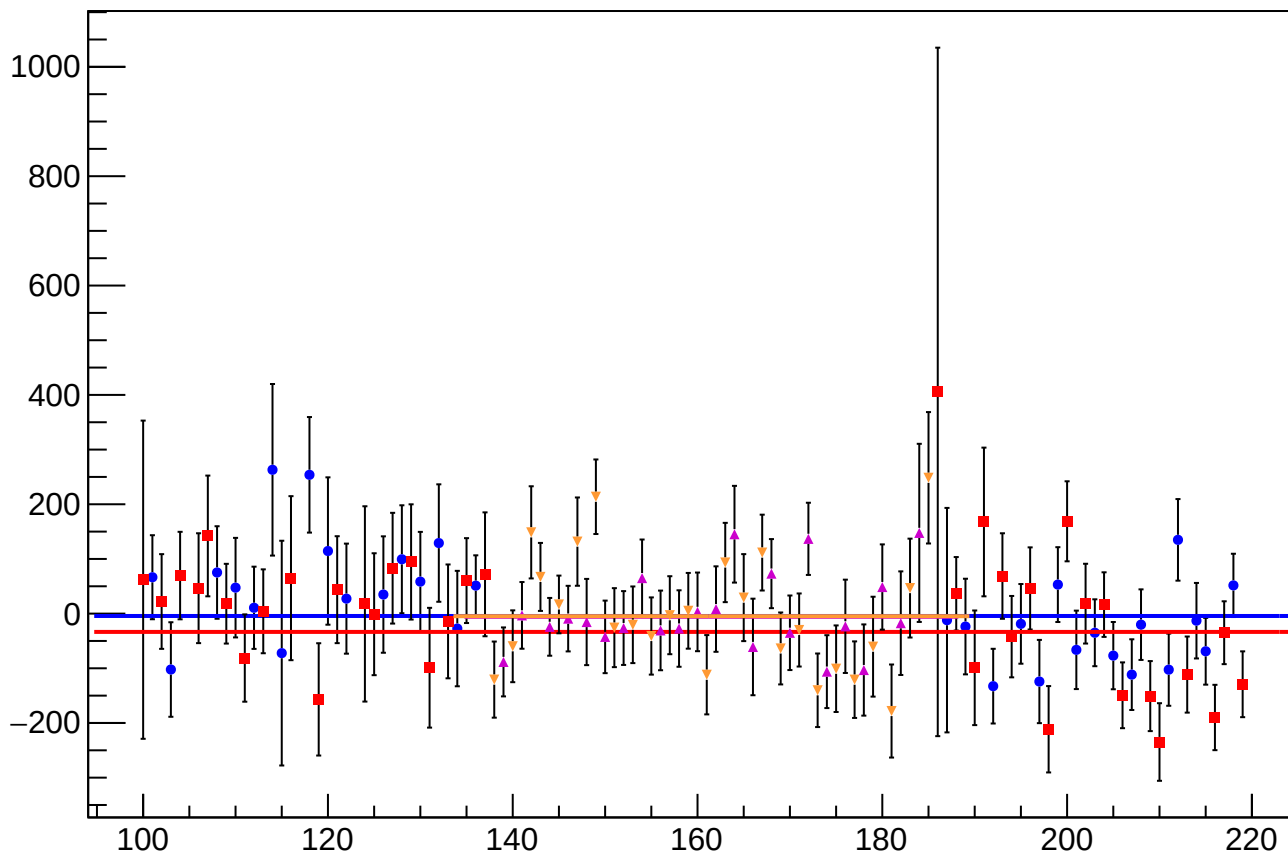
Left In: 359.350 $\pm$ 0.060 χ^2 /NDF:519759.9/22

+ sign 362.170 $\pm$ 0.042 χ^2 /NDF: 3130044.3/56

All: 360.650 $\pm$ 0.029 χ^2 /NDF: 6933990.2/116

- sign 359.156 $\pm$ 0.041 χ^2 /NDF: 3801315.9/59

cor_asym_sam_37_48_dd_mean vs Slug



Right In: -4.321 ± 13.873 χ^2/NDF : 37.3/31

Left Out: -4.748 ± 14.432 χ^2/NDF : 47.4/24

Right Out: -33.456 ± 13.538 χ^2/NDF : 61.3/36

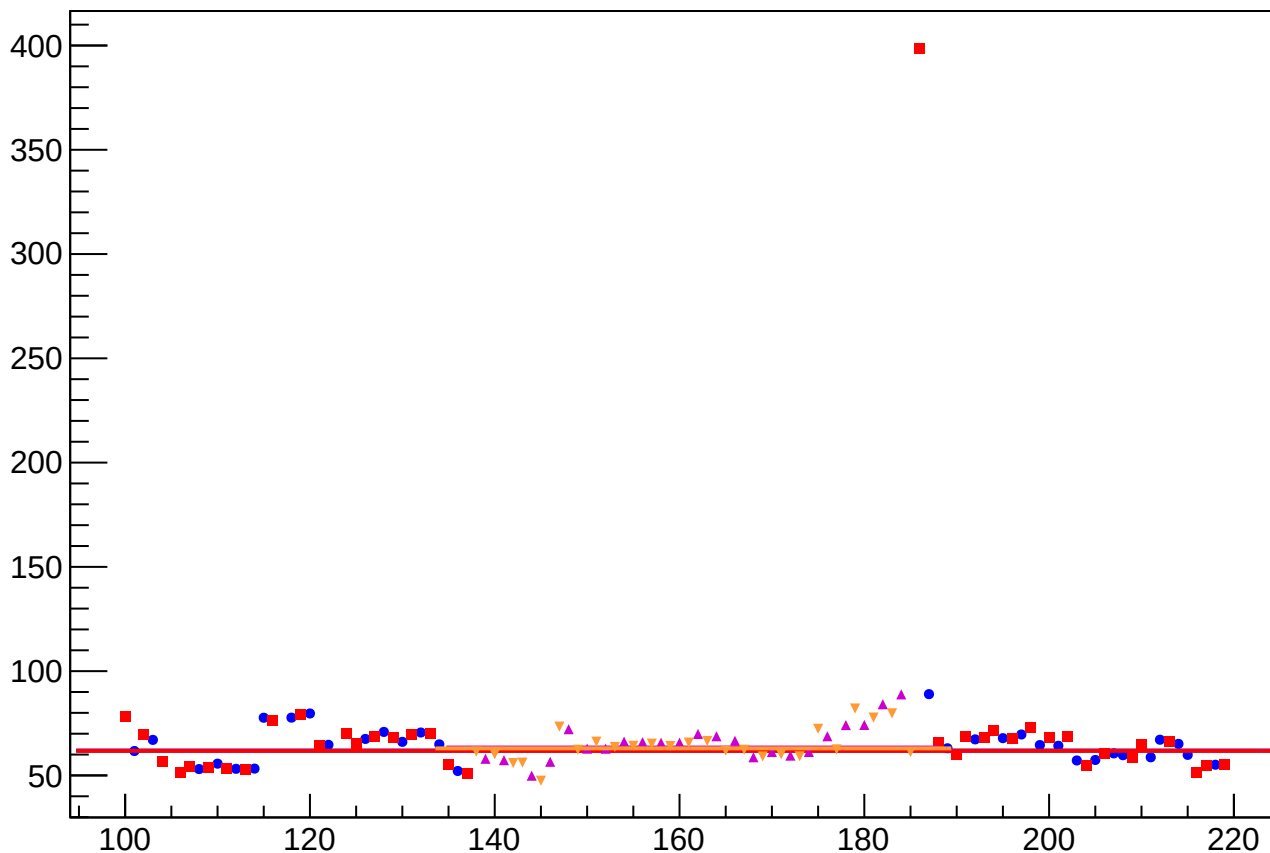
Left In: -5.775 ± 14.931 χ^2/NDF : 18.3/22

+ sign -4.526 ± 10.001 χ^2/NDF : 84.7/56

All: -12.723 ± 7.082 χ^2/NDF : 167.5/116

- sign -20.966 ± 10.029 χ^2/NDF : 81.5/59

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.902 $\pm$ 0.010 χ^2 /NDF: 428285.2/31

Left Out: 62.976 $\pm$ 0.010 χ^2 /NDF: 526859.8/24

Right Out: 61.798 $\pm$ 0.010 χ^2 /NDF: 1166612.1/36

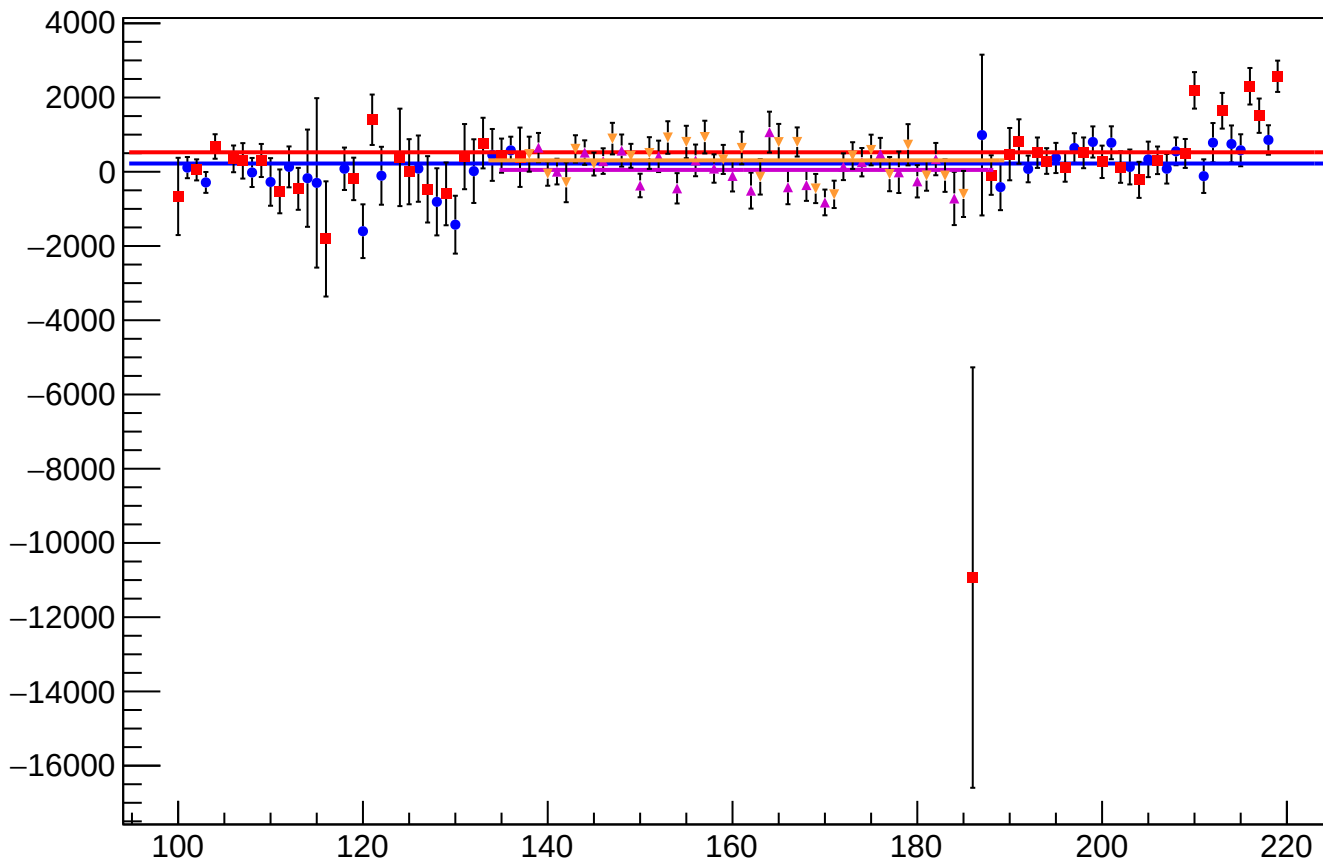
Left In: 63.365 $\pm$ 0.011 χ^2 /NDF: 496926.2/22

+ sign 62.418 $\pm$ 0.007 χ^2 /NDF: 960904.3/56

All: 62.461 $\pm$ 0.005 χ^2 /NDF: 2636614.9/116

- sign 62.505 $\pm$ 0.007 χ^2 /NDF: 1675634.6/59

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: 222.141 $\pm$ 84.619 χ^2 /NDF: 31.2/31

Left Out: 307.177 $\pm$ 82.361 χ^2 /NDF:30.6/24

Right Out: 524.582 $\pm$ 81.039 χ^2 /NDF: 89.5/36

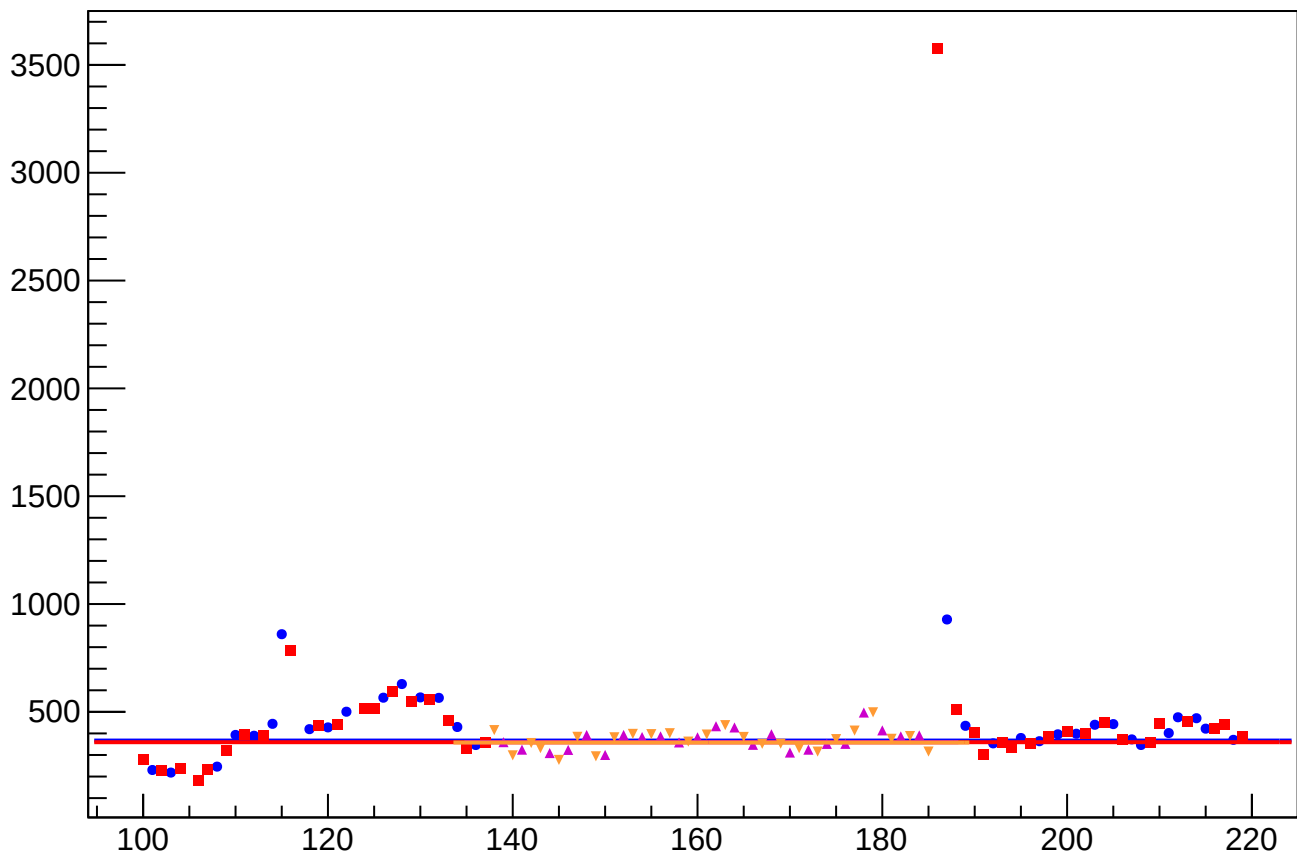
Left In: 50.029 $\pm$ 84.838 χ^2 /NDF:27.3/22

+ sign 265.808 $\pm$ 59.020 χ^2 /NDF: 62.3/56

All: 282.104 $\pm$ 41.584 χ^2 /NDF: 195.6/116

- sign 298.169 $\pm$ 58.600 χ^2 /NDF: 133.1/59

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 366.856 $\pm$ 0.060 χ^2 /NDF: 2434283.4/31

Left Out: 357.732 $\pm$ 0.058 χ^2 /NDF: 683726.4/24

Right Out: 359.284 $\pm$ 0.057 χ^2 /NDF: 3294616.1/36

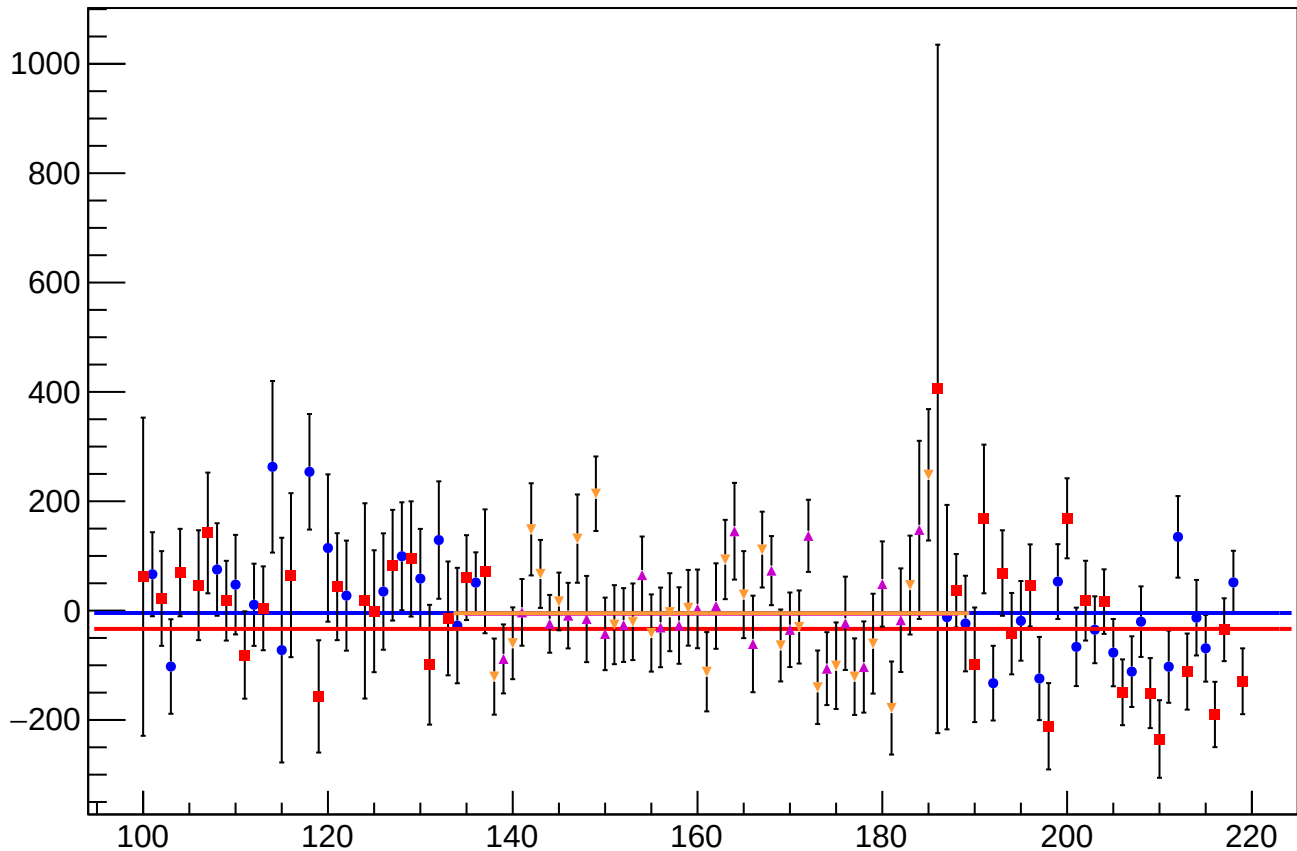
Left In: 359.350 $\pm$ 0.060 χ^2 /NDF: 519762.7/22

+ sign 362.171 $\pm$ 0.042 χ^2 /NDF: 3129952.5/56

All: 360.733 $\pm$ 0.029 χ^2 /NDF: 6946688.8/116

- sign 359.315 $\pm$ 0.041 χ^2 /NDF: 3814379.5/59

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: -4.321 ± 13.873 χ^2/NDF : 37.3/31

Left Out: -4.748 ± 14.432 χ^2/NDF : 47.4/24

Right Out: -33.456 ± 13.538 χ^2/NDF : 61.3/36

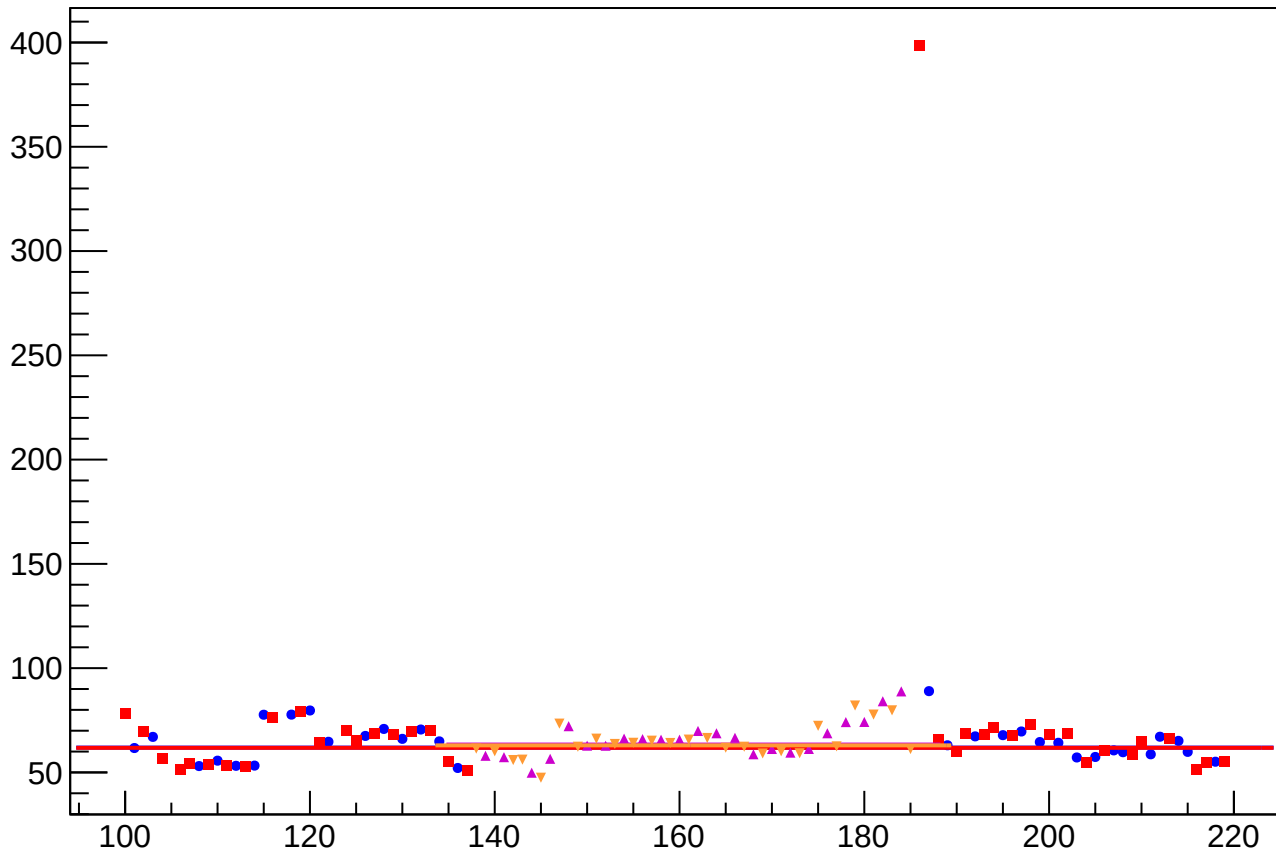
Left In: -5.775 ± 14.931 χ^2/NDF : 18.3/22

+ sign -4.526 ± 10.001 χ^2/NDF : 84.7/56

All: -12.723 ± 7.082 χ^2/NDF : 167.5/116

- sign -20.966 ± 10.029 χ^2/NDF : 81.5/59

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.902 $\pm$ 0.010 χ^2 /NDF: 428285.2/31

Left Out: 62.976 $\pm$ 0.010 χ^2 /NDF: 526859.8/24

Right Out: 61.798 $\pm$ 0.010 χ^2 /NDF: 1166612.1/36

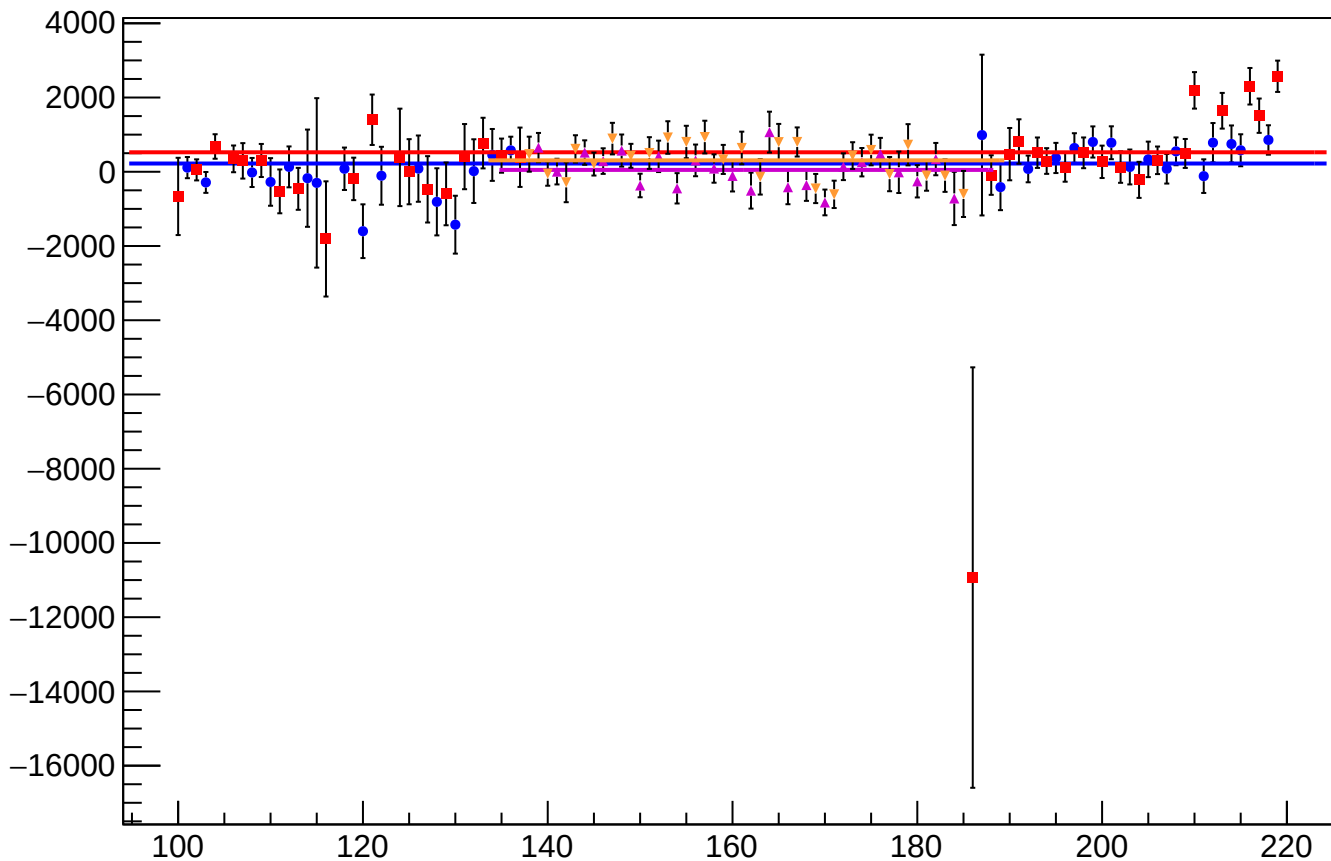
Left In: 63.365 $\pm$ 0.011 χ^2 /NDF: 496926.2/22

+ sign 62.418 $\pm$ 0.007 χ^2 /NDF: 960904.3/56

All: 62.461 $\pm$ 0.005 χ^2 /NDF: 2636614.9/116

- sign 62.505 $\pm$ 0.007 χ^2 /NDF: 1675634.6/59

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug



Right In: 222.141 ± 84.619 χ^2/NDF : 31.2/31

Left Out: 307.177 ± 82.361 χ^2/NDF : 30.6/24

Right Out: 524.582 ± 81.039 χ^2/NDF : 89.5/36

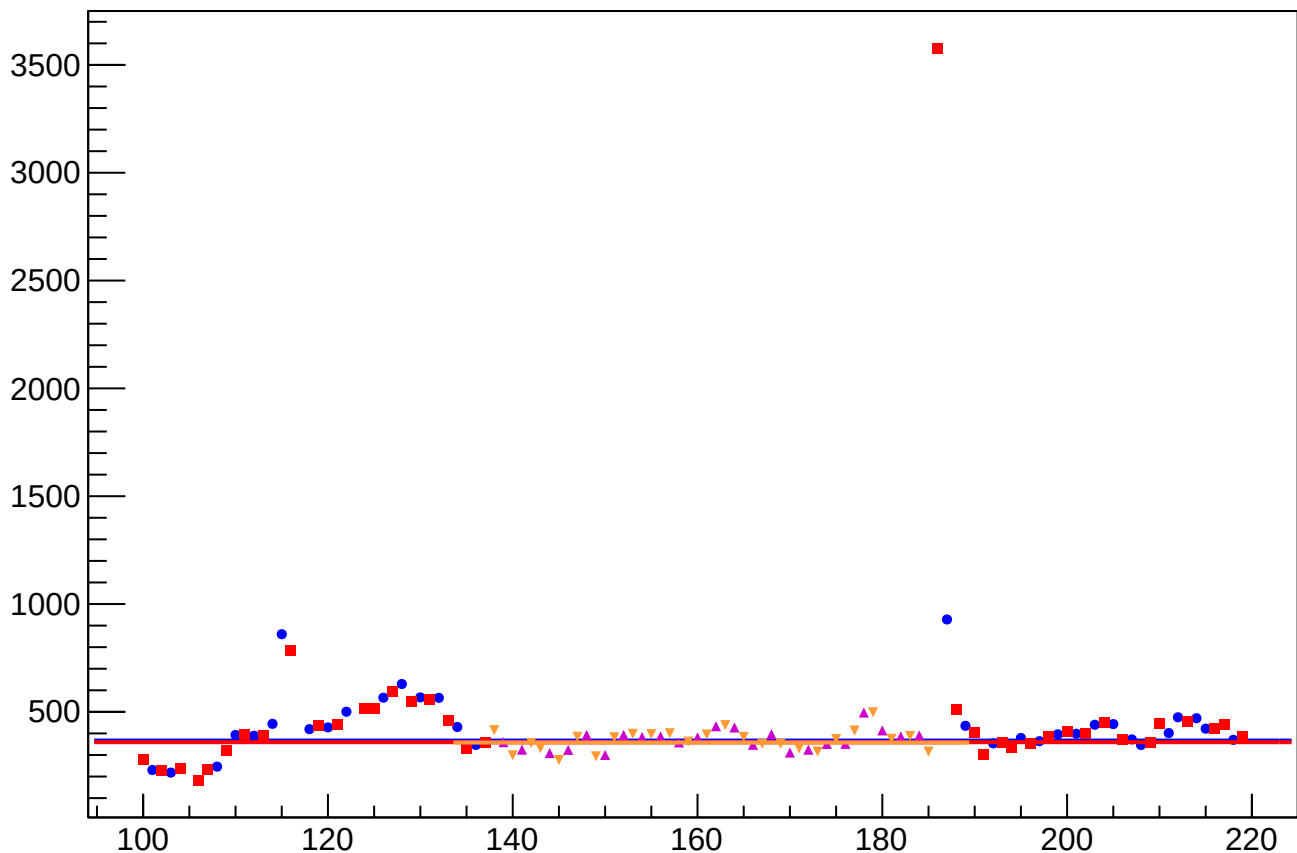
Left In: 50.029 ± 84.838 χ^2/NDF : 27.3/22

+ sign 265.808 ± 59.020 χ^2/NDF : 62.3/56

All: 282.104 ± 41.584 χ^2/NDF : 195.6/116

- sign 298.169 ± 58.600 χ^2/NDF : 133.1/59

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug



Right In: 366.856+/-0.060 χ^2/NDF : 2434283.4/31

Left Out: 357.732+/-0.058 χ^2/NDF : 683726.4/24

Right Out: 359.284+/-0.057 χ^2/NDF : 3294616.1/36

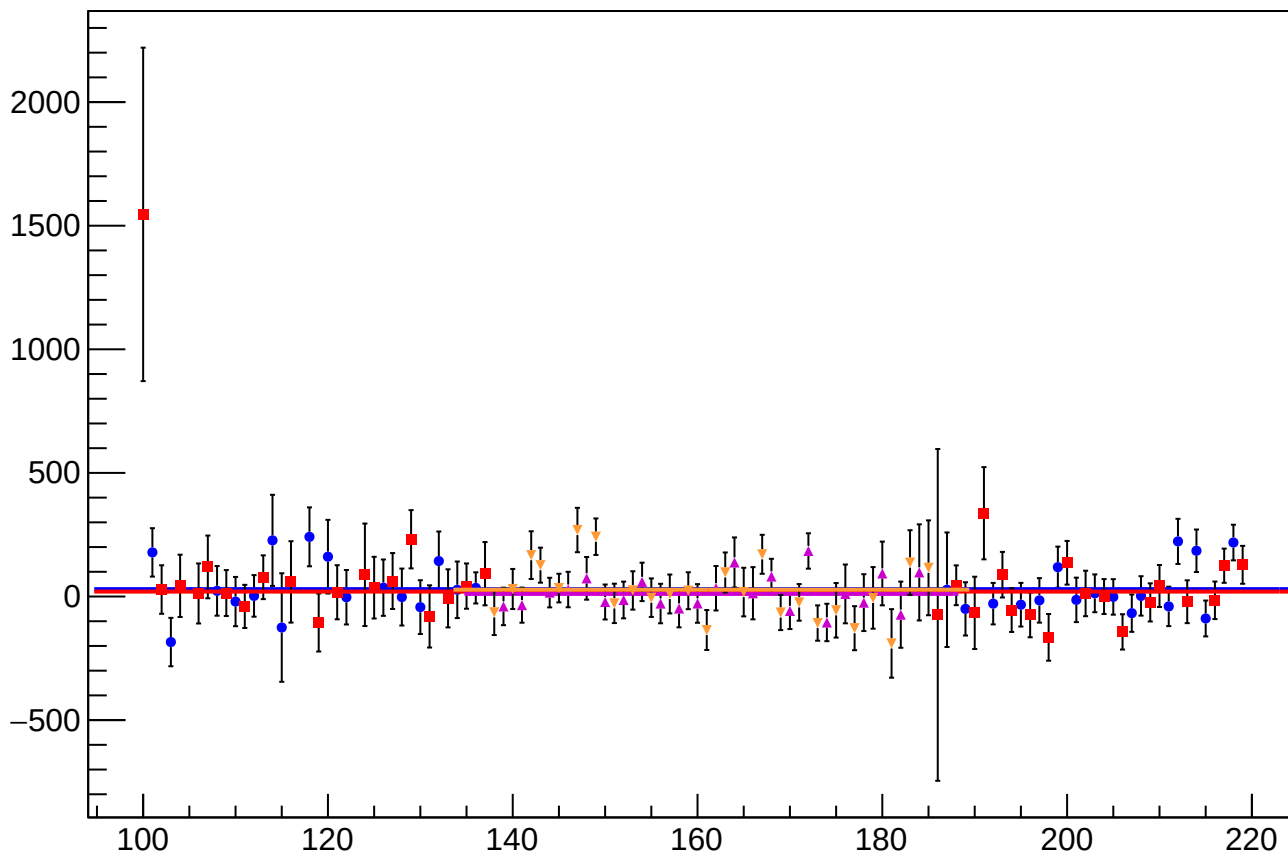
Left In: 359.350+/-0.060 χ^2/NDF : 519762.7/22

+ sign 362.171+/-0.042 χ^2/NDF : 3129952.5/56

All: 360.733+/-0.029 χ^2/NDF : 6946688.8/116

- sign 359.315+/-0.041 χ^2/NDF : 3814379.5/59

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 29.887 $\pm$ 16.456 χ^2 /NDF: 37.8/31

Left Out: 27.627 $\pm$ 16.742 χ^2 /NDF: 42.4/24

Right Out: 19.846 $\pm$ 16.293 χ^2 /NDF: 34.2/36

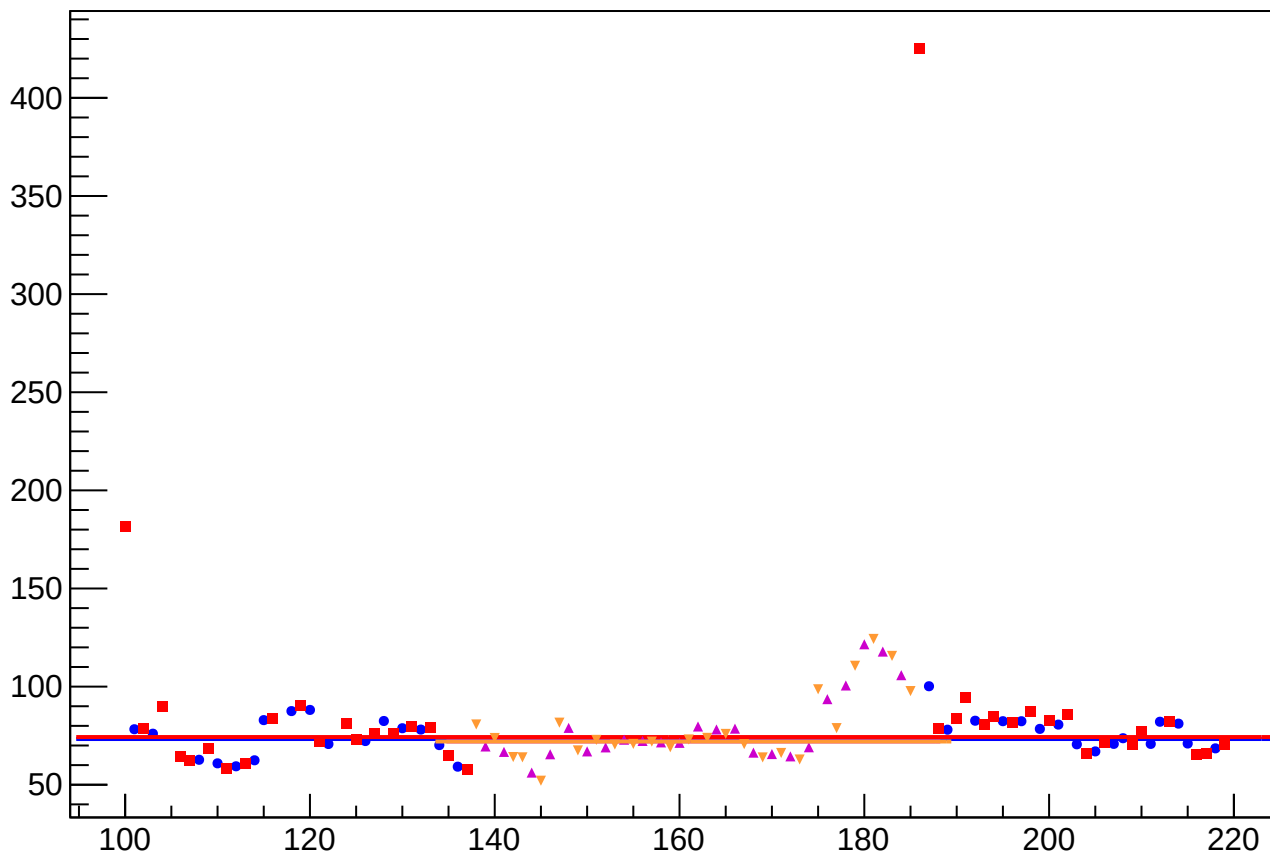
Left In: 10.521 $\pm$ 17.225 χ^2 /NDF: 16.1/22

+ sign 28.776 $\pm$ 11.736 χ^2 /NDF: 80.1/56

All: 22.166 $\pm$ 8.334 χ^2 /NDF: 131.2/116

- sign 15.443 $\pm$ 11.836 χ^2 /NDF: 50.4/59

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.301 $\pm$ 0.012 χ^2 /NDF: 483425.3/31

Left Out: 72.041 $\pm$ 0.012 χ^2 /NDF: 1269471.8/24

Right Out: 74.302 $\pm$ 0.012 χ^2 /NDF: 1188644.8/36

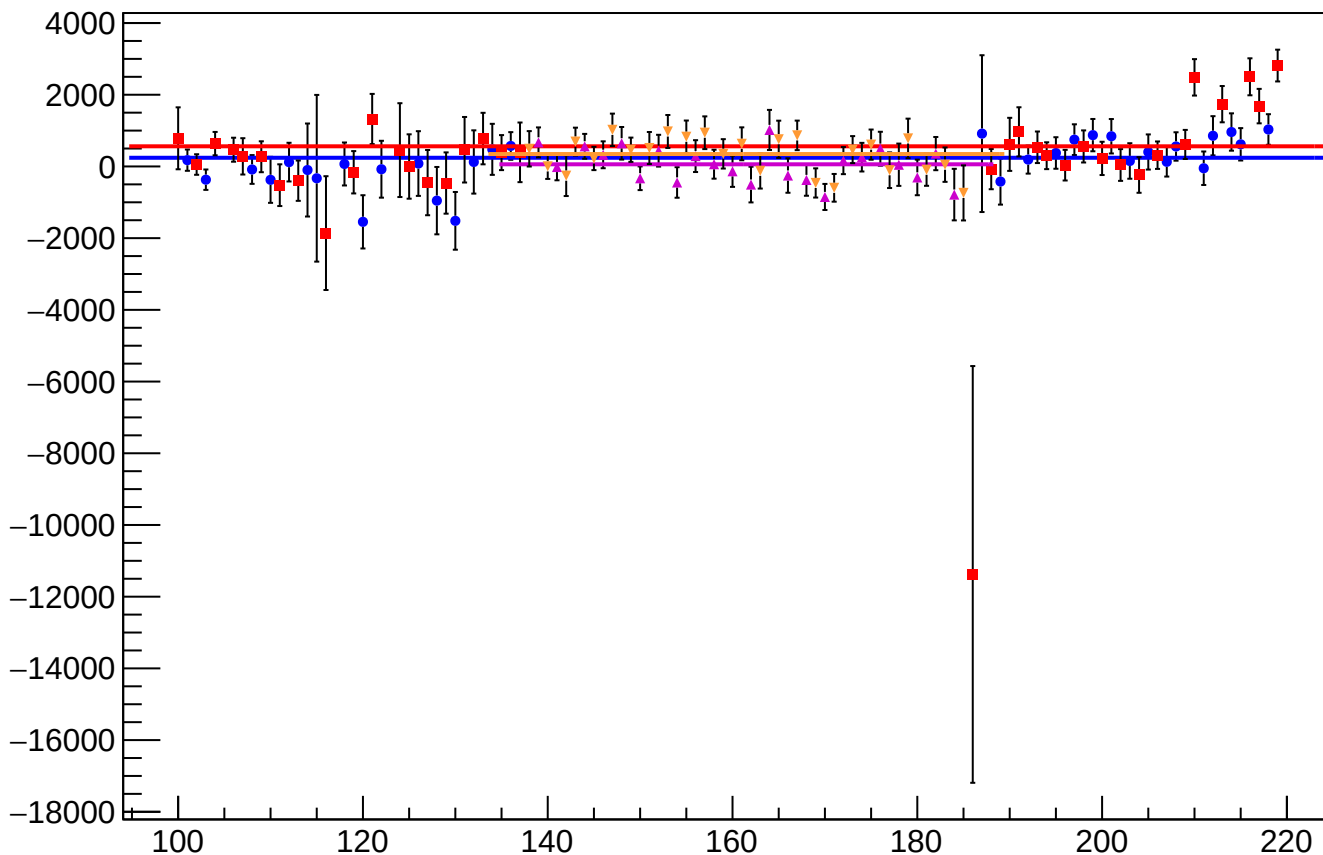
Left In: 72.092 $\pm$ 0.012 χ^2 /NDF: 1058857.2/22

+ sign 72.682 $\pm$ 0.008 χ^2 /NDF: 1758658.5/56

All: 72.968 $\pm$ 0.006 χ^2 /NDF: 4025938.5/116

- sign 73.259 $\pm$ 0.008 χ^2 /NDF: 2264882.2/59

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 242.061 $\pm$ 88.313 χ^2 /NDF: 34.5/31

Left Out: 345.973 $\pm$ 86.822 χ^2 /NDF:28.9/24

Right Out: 561.802 $\pm$ 83.520 χ^2 /NDF: 96.8/36

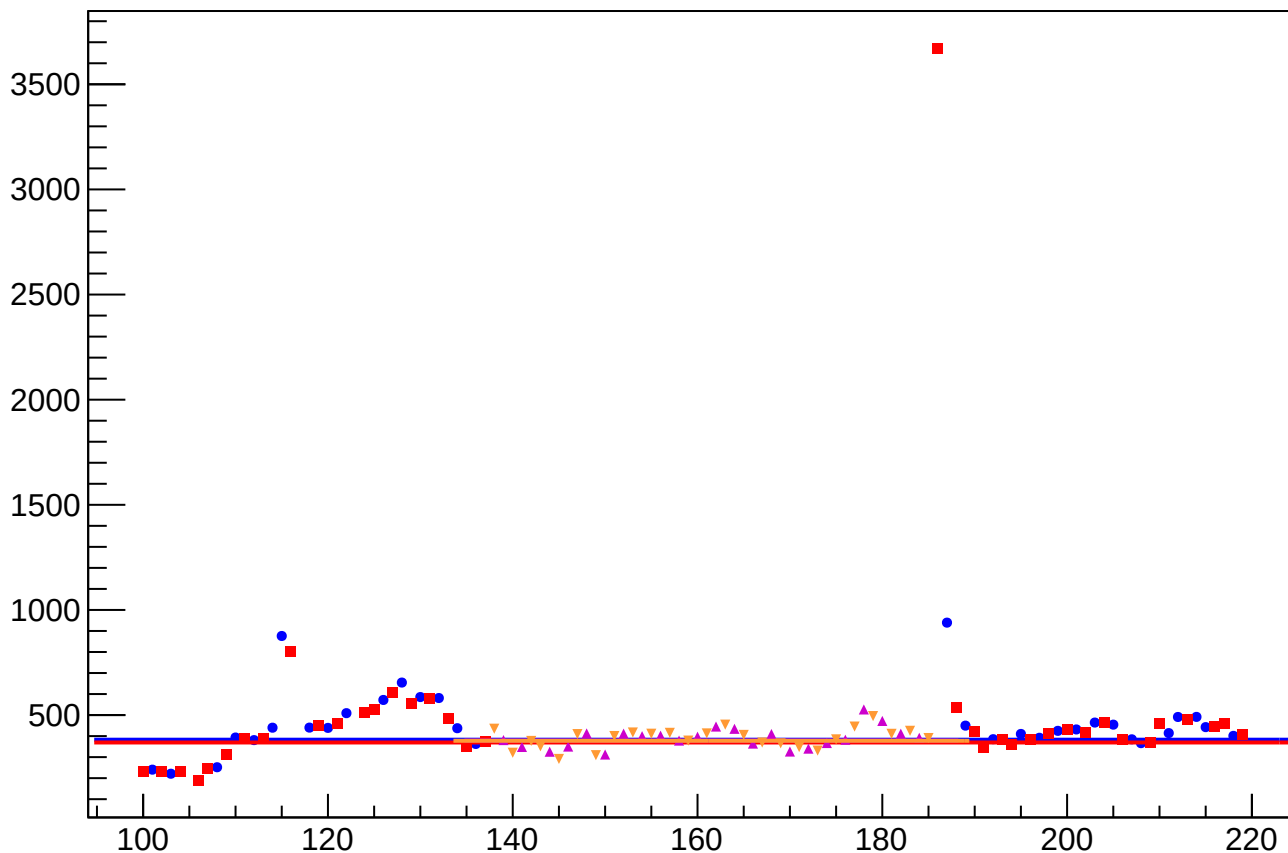
Left In: 59.908 $\pm$ 89.411 χ^2 /NDF:25.8/22

+ sign 294.902 $\pm$ 61.913 χ^2 /NDF: 64.1/56

All: 311.654 $\pm$ 43.465 χ^2 /NDF: 203.7/116

- sign 327.935 $\pm$ 61.034 χ^2 /NDF: 139.4/59

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 382.848 $\pm$ 0.062 χ^2 /NDF: 2507646.4/31

Left Out: 377.797 $\pm$ 0.061 χ^2 /NDF: 636714.9/24

+ sign 380.279 $\pm$ 0.044 χ^2 /NDF: 3147688.6/56

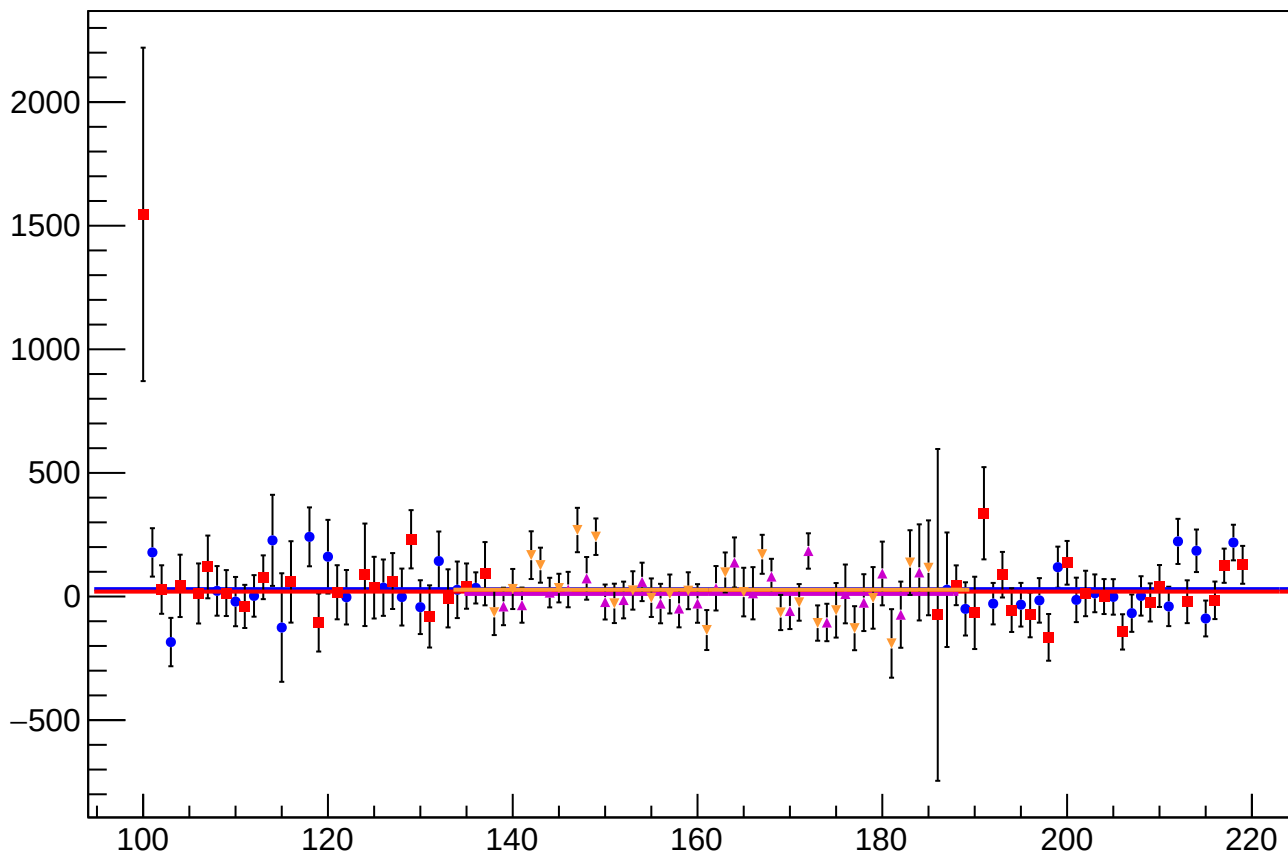
Right Out: 369.656 $\pm$ 0.059 χ^2 /NDF: 3597590.8/36

All: 377.069 $\pm$ 0.031 χ^2 /NDF: 7294908.3/116

Left In: 378.869 $\pm$ 0.063 χ^2 /NDF: 527685.1/22

- sign 373.949 $\pm$ 0.043 χ^2 /NDF: 4136616.3/59

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 29.886 $\pm$ 16.456 χ^2 /NDF: 37.8/31

Left Out: 27.626 $\pm$ 16.742 χ^2 /NDF: 42.4/24

Right Out: 19.845 $\pm$ 16.293 χ^2 /NDF: 34.2/36

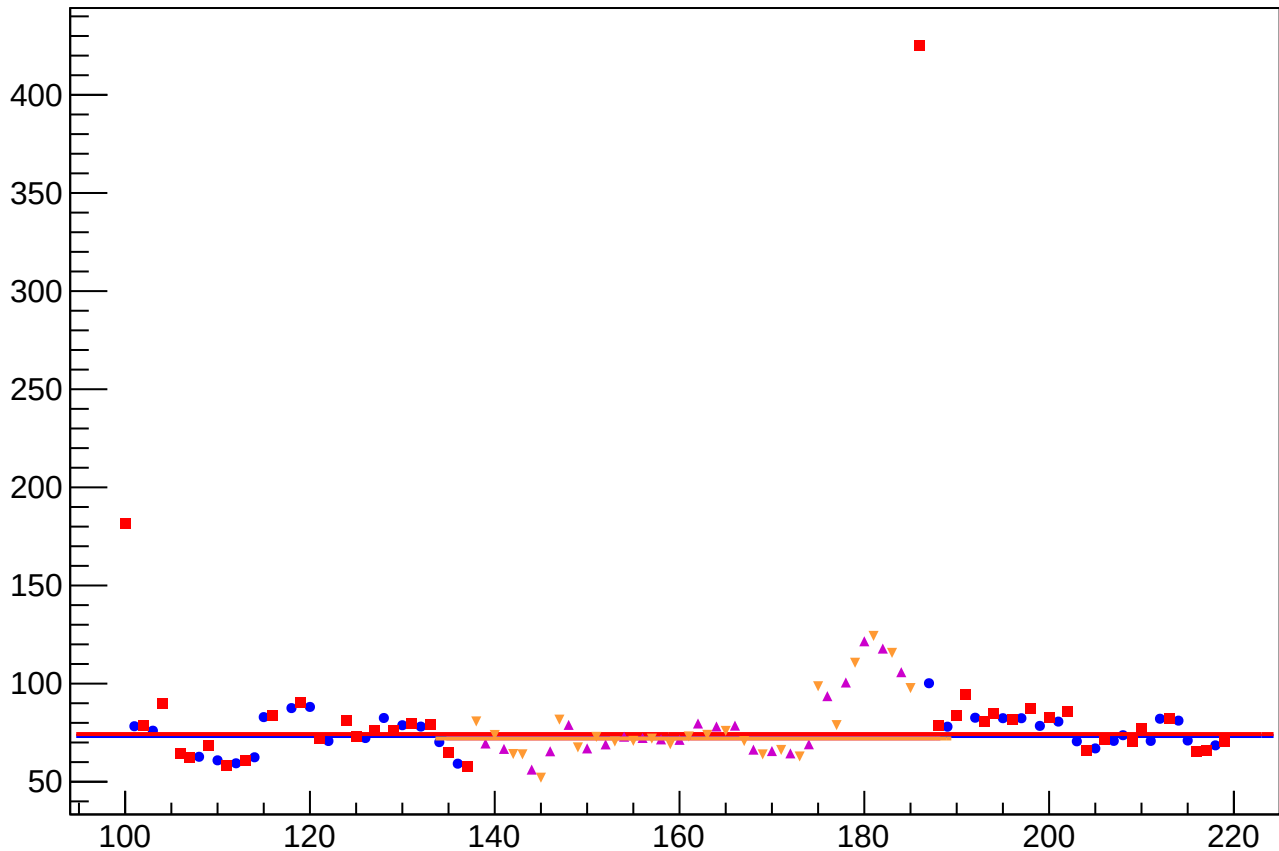
Left In: 10.521 $\pm$ 17.225 χ^2 /NDF: 16.1/22

+ sign 28.776 $\pm$ 11.736 χ^2 /NDF: 80.1/56

All: 22.166 $\pm$ 8.334 χ^2 /NDF: 131.2/116

- sign 15.442 $\pm$ 11.836 χ^2 /NDF: 50.4/59

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.301 $\pm$ 0.012 χ^2 /NDF: 483420.6/31

Left Out: 72.041 $\pm$ 0.012 χ^2 /NDF: 1269479.1/24

Right Out: 74.302 $\pm$ 0.012 χ^2 /NDF: 1188644.6/36

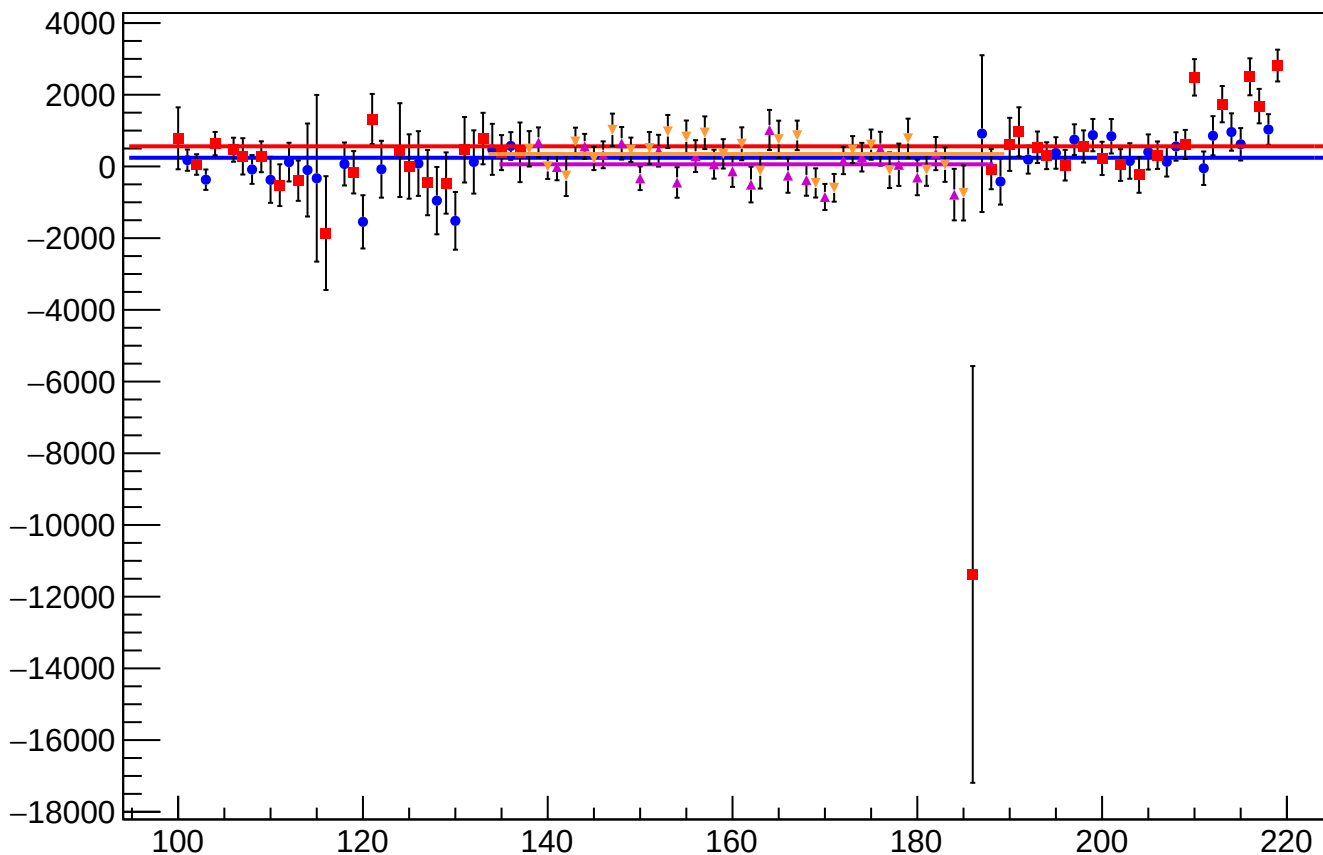
Left In: 72.092 $\pm$ 0.012 χ^2 /NDF: 1058847.4/22

+ sign 72.681 $\pm$ 0.008 χ^2 /NDF: 1758660.6/56

All: 72.968 $\pm$ 0.006 χ^2 /NDF: 4025928.8/116

- sign 73.259 $\pm$ 0.008 χ^2 /NDF: 2264870.7/59

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug



Right In: 242.061 $\pm$ 88.313 χ^2 /NDF: 34.5/31

Left Out: 345.972 $\pm$ 86.822 χ^2 /NDF:28.9/24

Right Out: 561.802 $\pm$ 83.519 χ^2 /NDF: 96.8/36

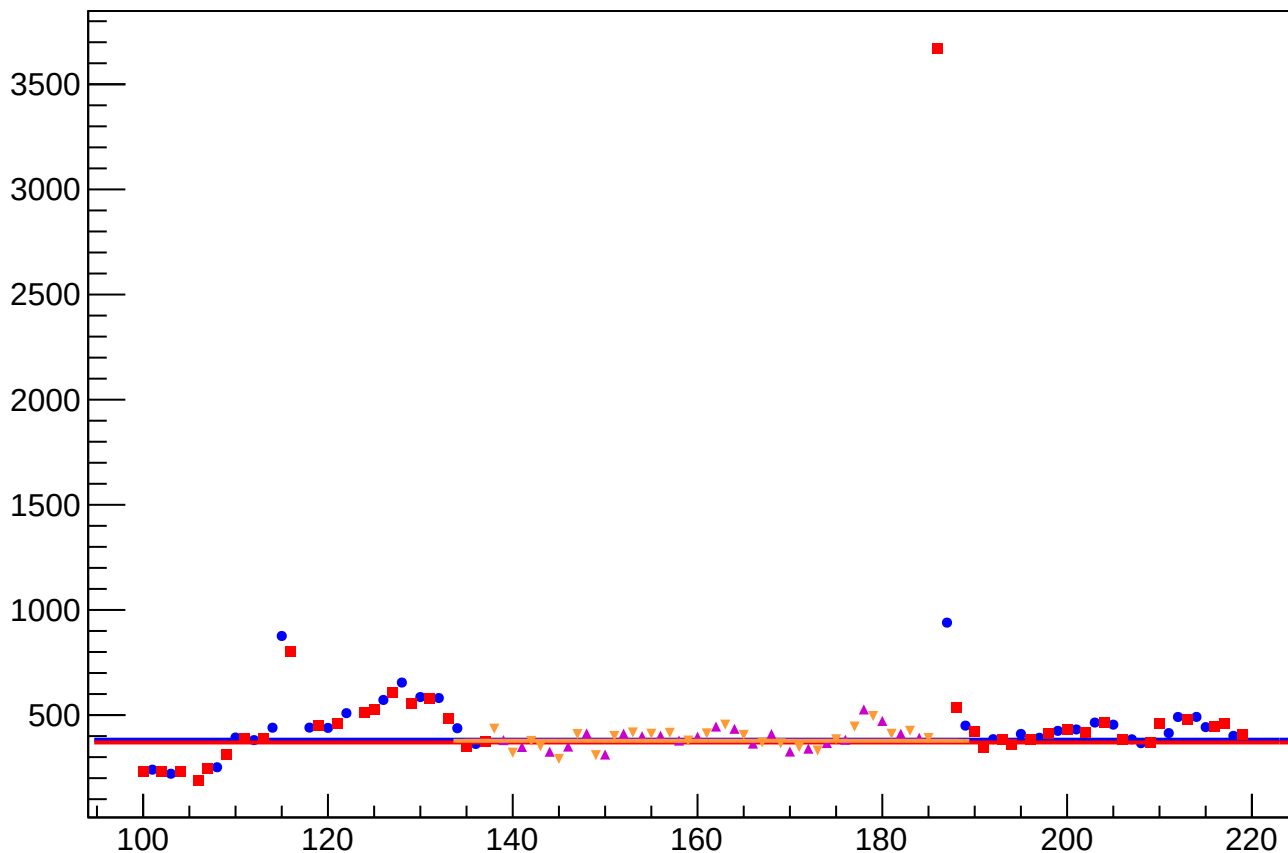
Left In: 59.907 $\pm$ 89.411 χ^2 /NDF:25.8/22

+ sign 294.901 $\pm$ 61.913 χ^2 /NDF: 64.1/56

All: 311.654 $\pm$ 43.465 χ^2 /NDF: 203.7/116

- sign 327.935 $\pm$ 61.034 χ^2 /NDF: 139.4/59

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 382.848 $\pm$ 0.062 χ^2 /NDF: 2507631.4/31

Left Out: 377.796 $\pm$ 0.061 χ^2 /NDF: 636714.9/24

+ sign 380.279 $\pm$ 0.044 χ^2 /NDF: 3147674.1/56

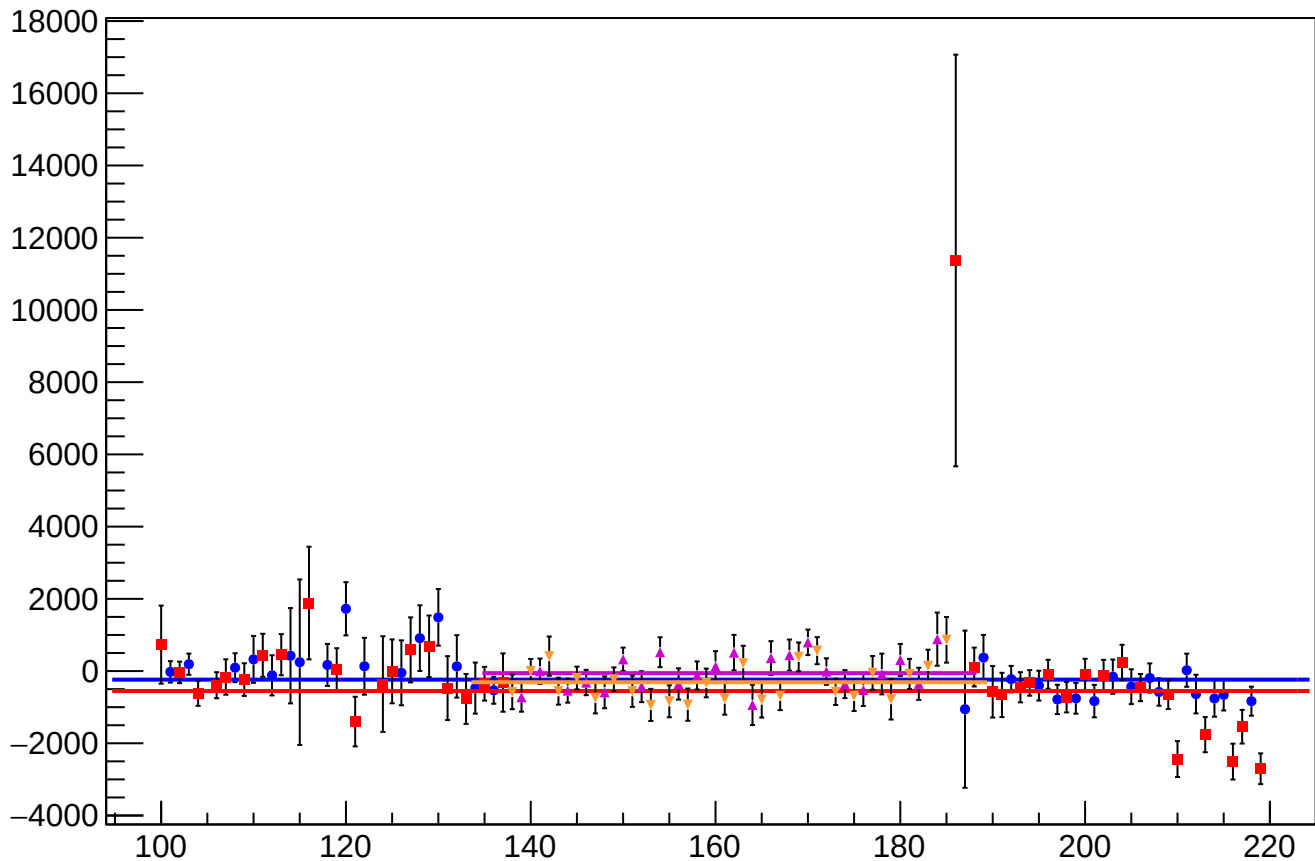
Right Out: 369.656 $\pm$ 0.059 χ^2 /NDF: 3597574.7/36

All: 377.069 $\pm$ 0.031 χ^2 /NDF: 7294873.5/116

Left In: 378.869 $\pm$ 0.063 χ^2 /NDF: 527680.9/22

- sign 373.949 $\pm$ 0.043 χ^2 /NDF: 4136595.8/59

asym_sam_37_48_dd_mean vs Slug



Right In: -236.947 ± 86.201 χ^2/NDF : 32.0/31

Left Out: -309.330 ± 83.706 χ^2/NDF : 30.0/24

Right Out: -552.690 ± 82.466 χ^2/NDF : 99.9/36

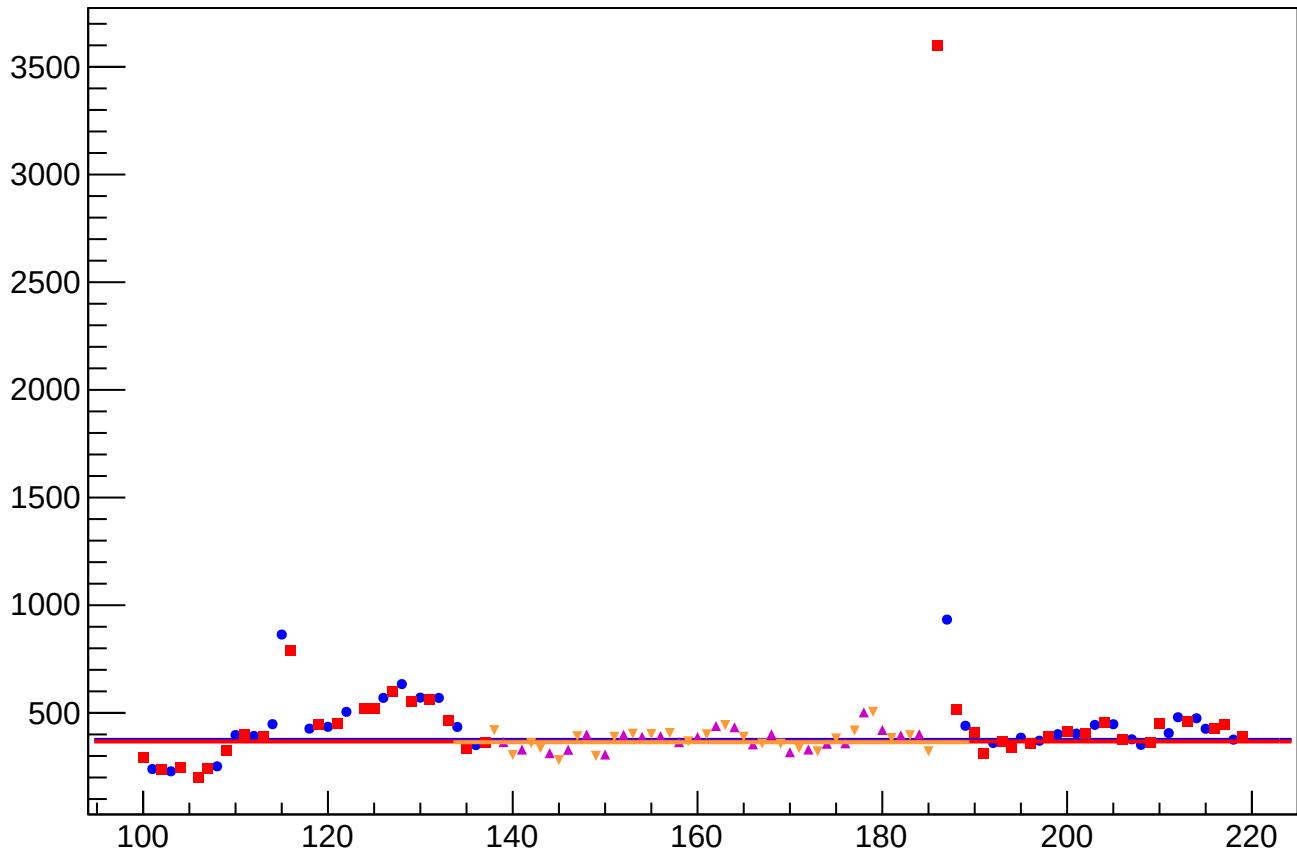
Left In: -57.543 ± 86.225 χ^2/NDF : 28.0/22

+ sign -274.201 ± 60.052 χ^2/NDF : 62.3/56

All: -295.331 ± 42.301 χ^2/NDF : 207.7/116

- sign -316.143 ± 59.597 χ^2/NDF : 145.2/59

asym_sam_37_48_dd_rms vs Slug



Right In: 374.657 $\pm$ 0.061 χ^2 /NDF: 2251679.5/31

Left Out: 363.714 $\pm$ 0.059 χ^2 /NDF: 669244.7/24

Right Out: 367.239 $\pm$ 0.058 χ^2 /NDF: 3064551.5/36

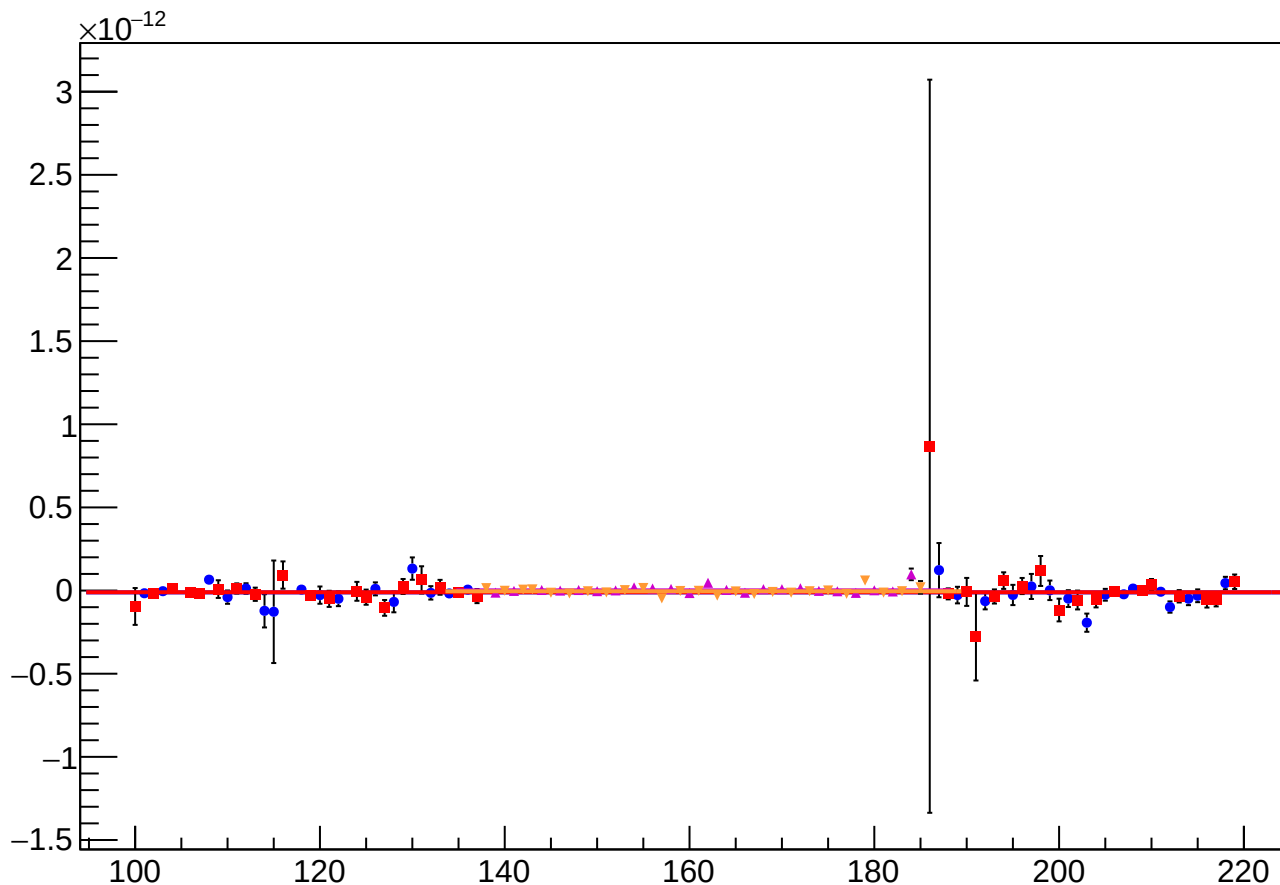
Left In: 365.324 $\pm$ 0.061 χ^2 /NDF: 509496.4/22

+ sign 369.025 $\pm$ 0.042 χ^2 /NDF: 2937512.3/56

All: 367.664 $\pm$ 0.030 χ^2 /NDF: 6514113.3/116

- sign 366.324 $\pm$ 0.042 χ^2 /NDF: 3574563.0/59

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 42.6/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 21.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 29.8/36

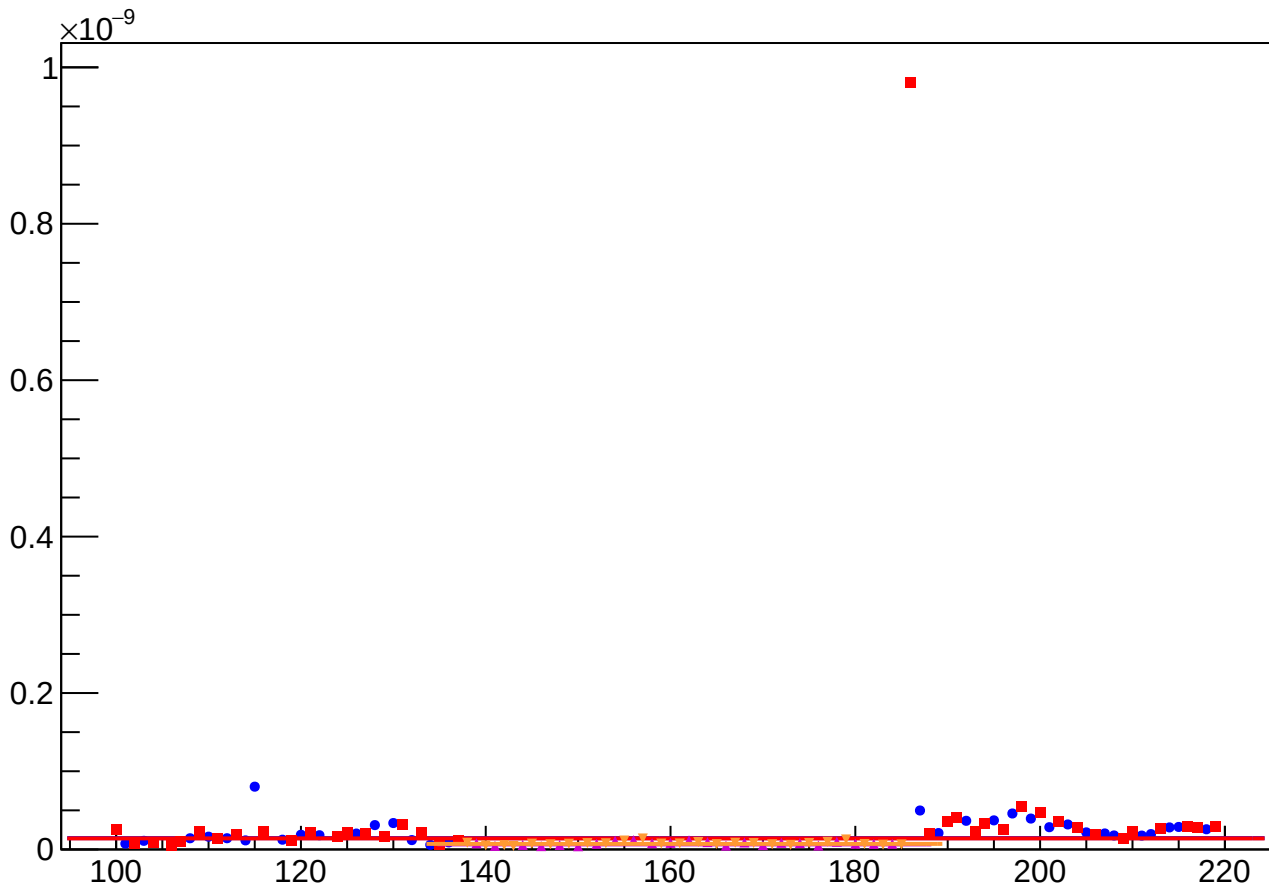
Left In: 0.000 ± 0.000 χ^2/NDF : 21.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 65.7/56

All: -0.000 ± 0.000 χ^2/NDF : 122.8/116

- sign -0.000 ± 0.000 χ^2/NDF : 55.2/59

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4816780.3/31

Left Out: 0.000+/-0.000 χ^2/NDF : 872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5821503.0/36

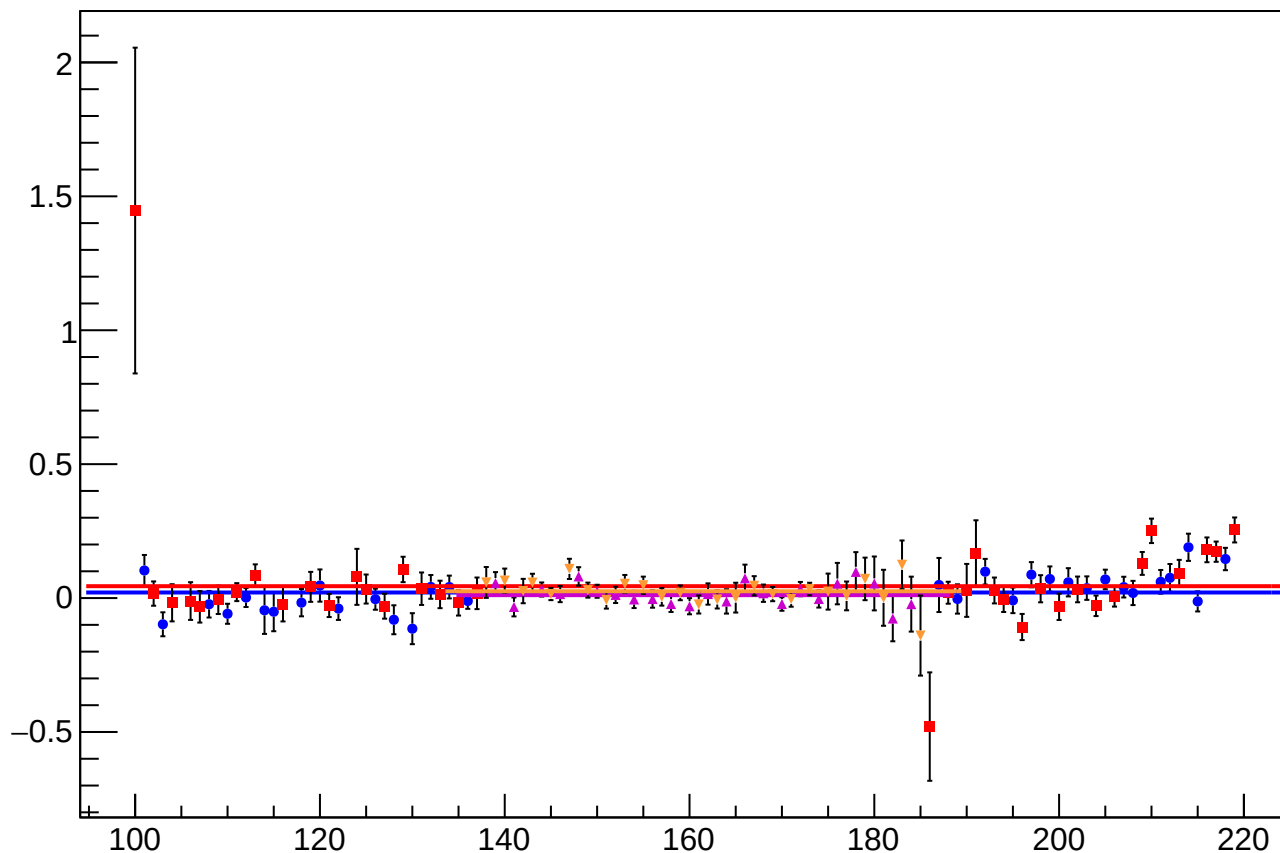
Left In: 0.000+/-0.000 χ^2/NDF : 1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 8624397.9/56

All: 0.000+/-0.000 χ^2/NDF : 19015254.0/116

- sign 0.000+/-0.000 χ^2/NDF : 10326688.5/59

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.021 $\pm$ 0.008 χ^2 /NDF: 61.8/31

Left Out: 0.025 $\pm$ 0.007 χ^2 /NDF:17.4/24

Right Out: 0.044 $\pm$ 0.008 χ^2 /NDF: 113.9/36

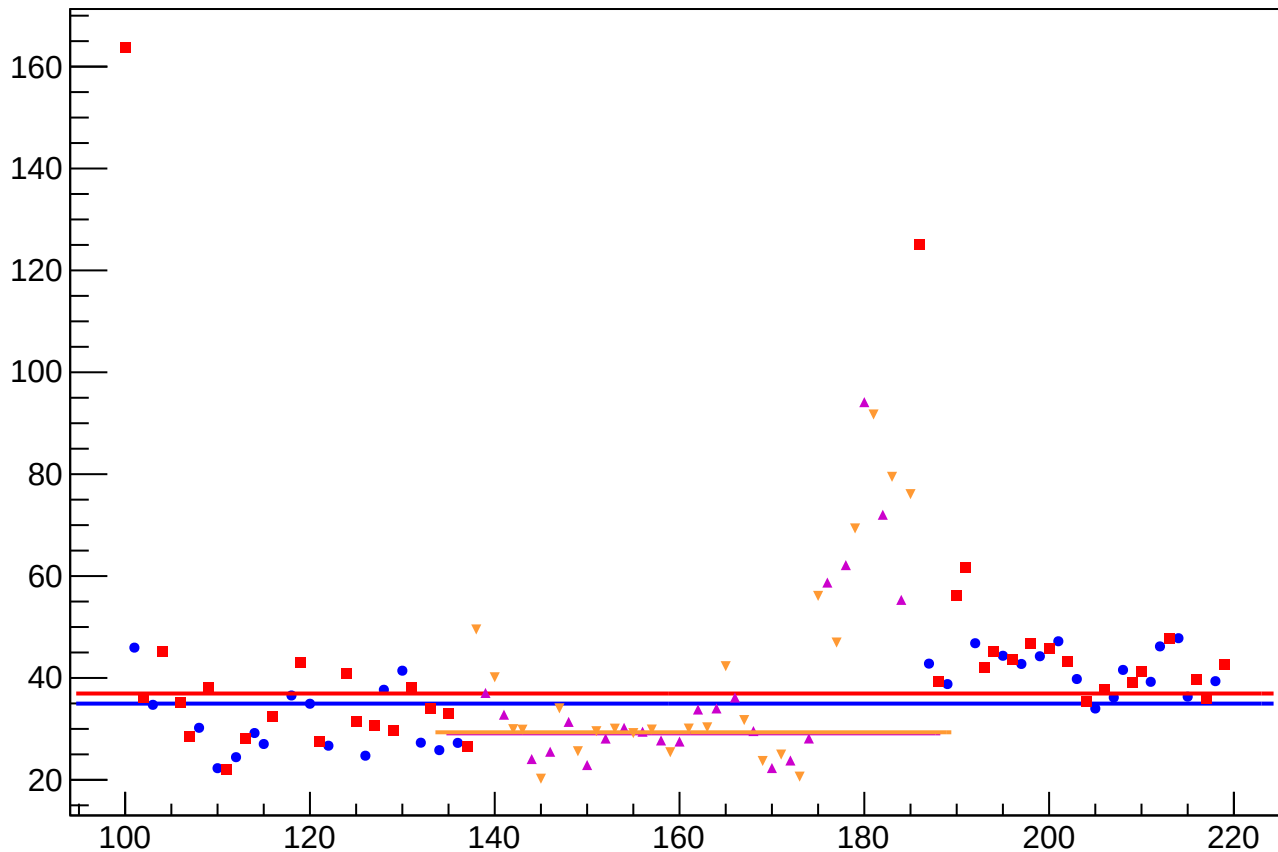
Left In: 0.011 $\pm$ 0.007 χ^2 /NDF:19.0/22

+ sign 0.023 $\pm$ 0.005 χ^2 /NDF: 79.4/56

All: 0.024 $\pm$ 0.004 χ^2 /NDF: 221.5/116

- sign 0.026 $\pm$ 0.005 χ^2 /NDF: 142.0/59

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.966+/-0.006 χ^2/NDF : 1862609.6/31

Left Out: 29.335+/-0.005 χ^2/NDF : 3874774.5/24

Right Out: 36.946+/-0.006 χ^2/NDF : 1955000.6/36

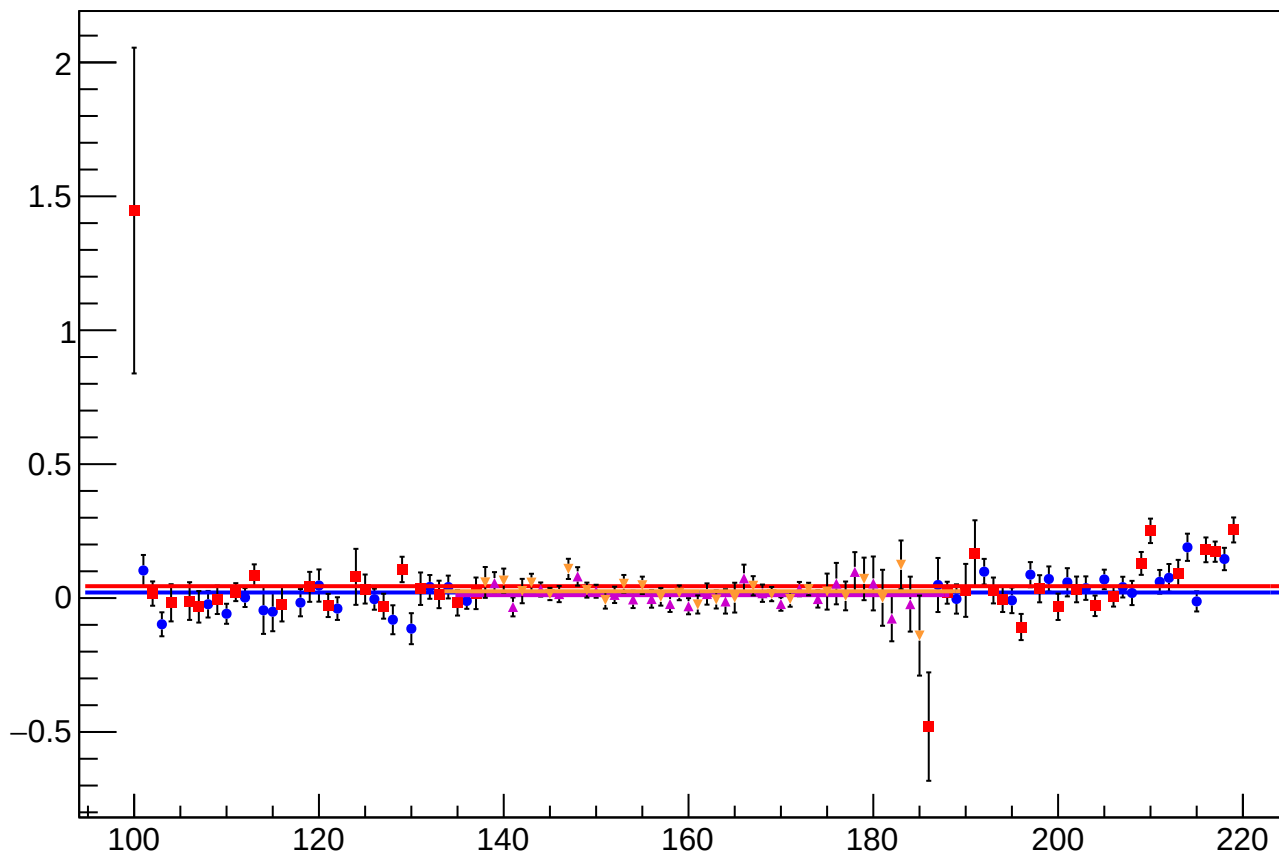
Left In: 29.125+/-0.005 χ^2/NDF : 2839115.6/22

+ sign 31.819+/-0.004 χ^2/NDF : 6280413.4/56

All: 32.174+/-0.003 χ^2/NDF : 12096862.6/116

- sign 32.543+/-0.004 χ^2/NDF : 5798609.4/59

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021 $\pm$ 0.008 χ^2 /NDF: 61.8/31

Left Out: 0.025 $\pm$ 0.007 χ^2 /NDF:17.4/24

Right Out: 0.044 $\pm$ 0.008 χ^2 /NDF: 113.9/36

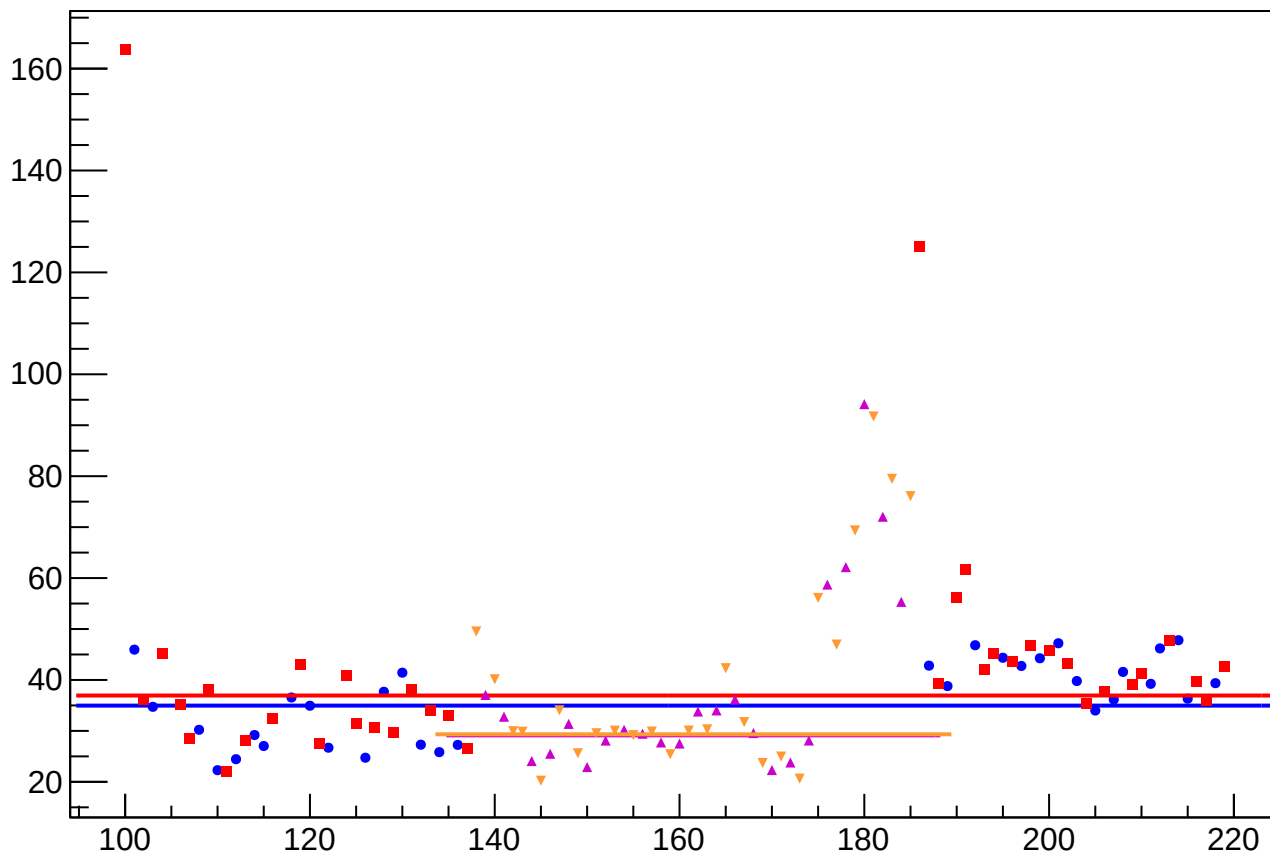
Left In: 0.011 $\pm$ 0.007 χ^2 /NDF:19.0/22

+ sign 0.023 $\pm$ 0.005 χ^2 /NDF: 79.4/56

All: 0.024 $\pm$ 0.004 χ^2 /NDF: 221.5/116

- sign 0.026 $\pm$ 0.005 χ^2 /NDF: 142.0/59

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.966+/-0.006 χ^2/NDF : 1862609.6/31

Left Out: 29.335+/-0.005 χ^2/NDF : 3874774.5/24

Right Out: 36.946+/-0.006 χ^2/NDF : 1955000.6/36

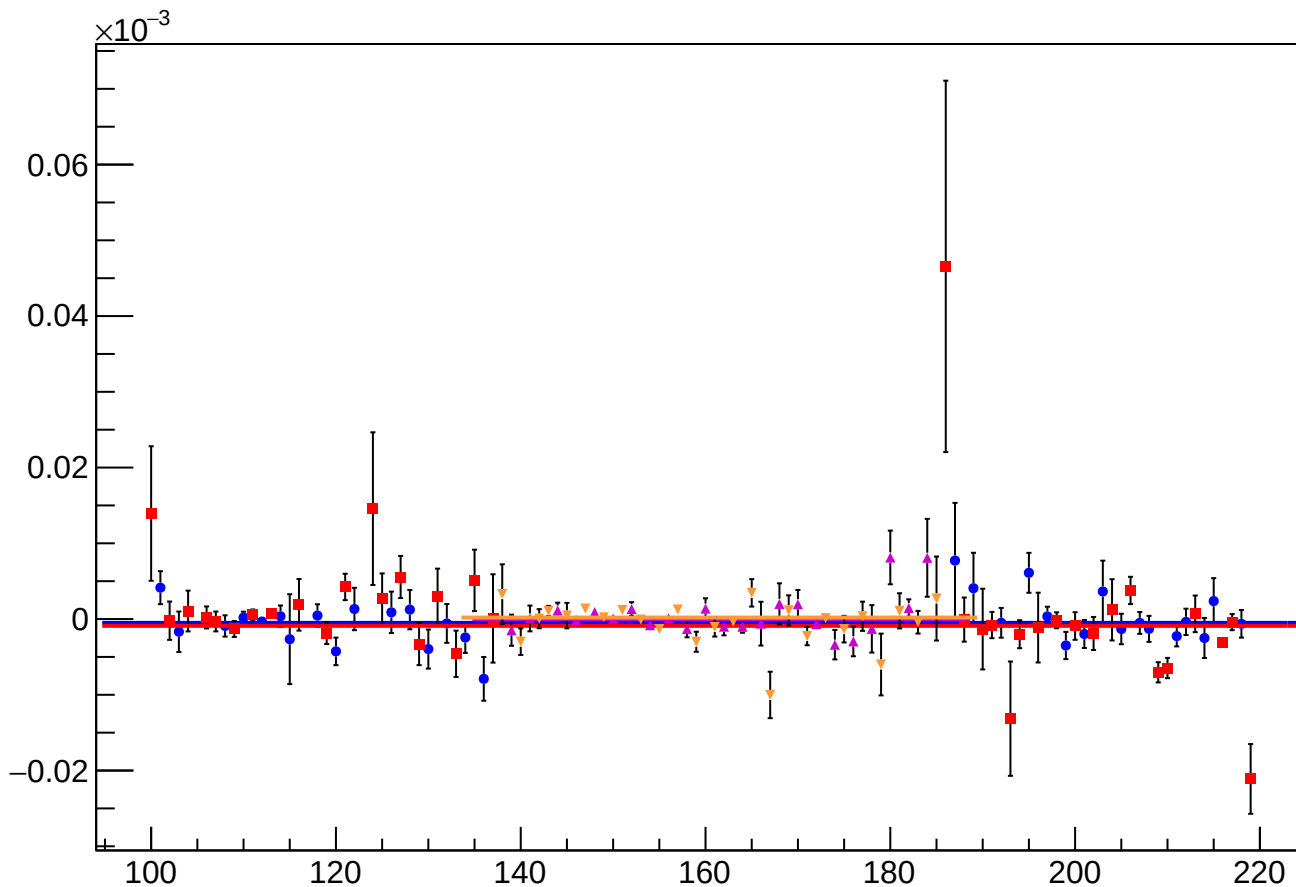
Left In: 29.125+/-0.005 χ^2/NDF : 2839115.6/22

+ sign 31.819+/-0.004 χ^2/NDF : 6280413.4/56

All: 32.174+/-0.003 χ^2/NDF : 12096862.6/116

- sign 32.543+/-0.004 χ^2/NDF : 5798609.4/59

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 38.1/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 52.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 123.6/36

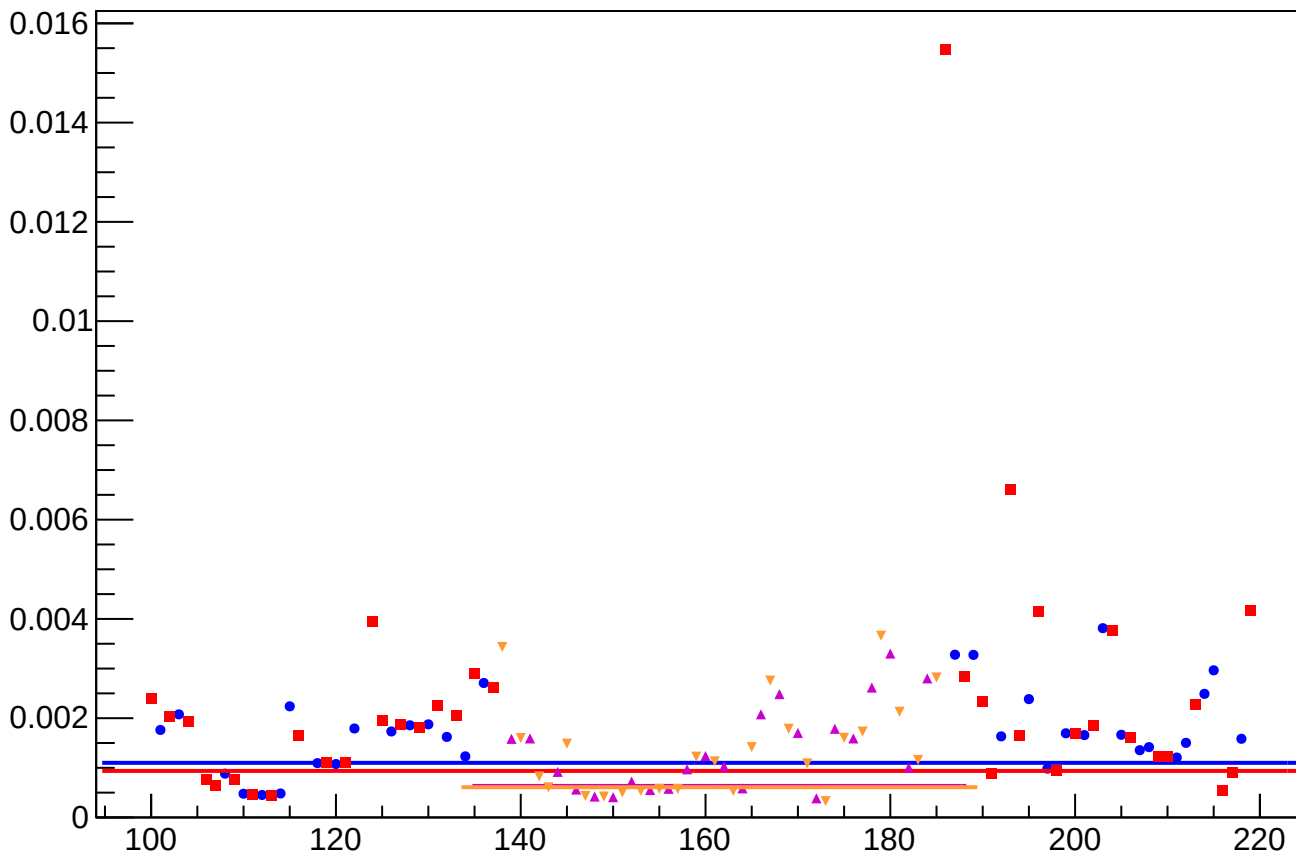
Left In: 0.000 ± 0.000 χ^2/NDF : 32.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 95.0/56

All: -0.000 ± 0.000 χ^2/NDF : 262.3/116

- sign -0.000 ± 0.000 χ^2/NDF : 164.8/59

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9944910.1/31

Left Out: 0.001+/-0.000 χ^2/NDF : 10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF : 13611326.2/36

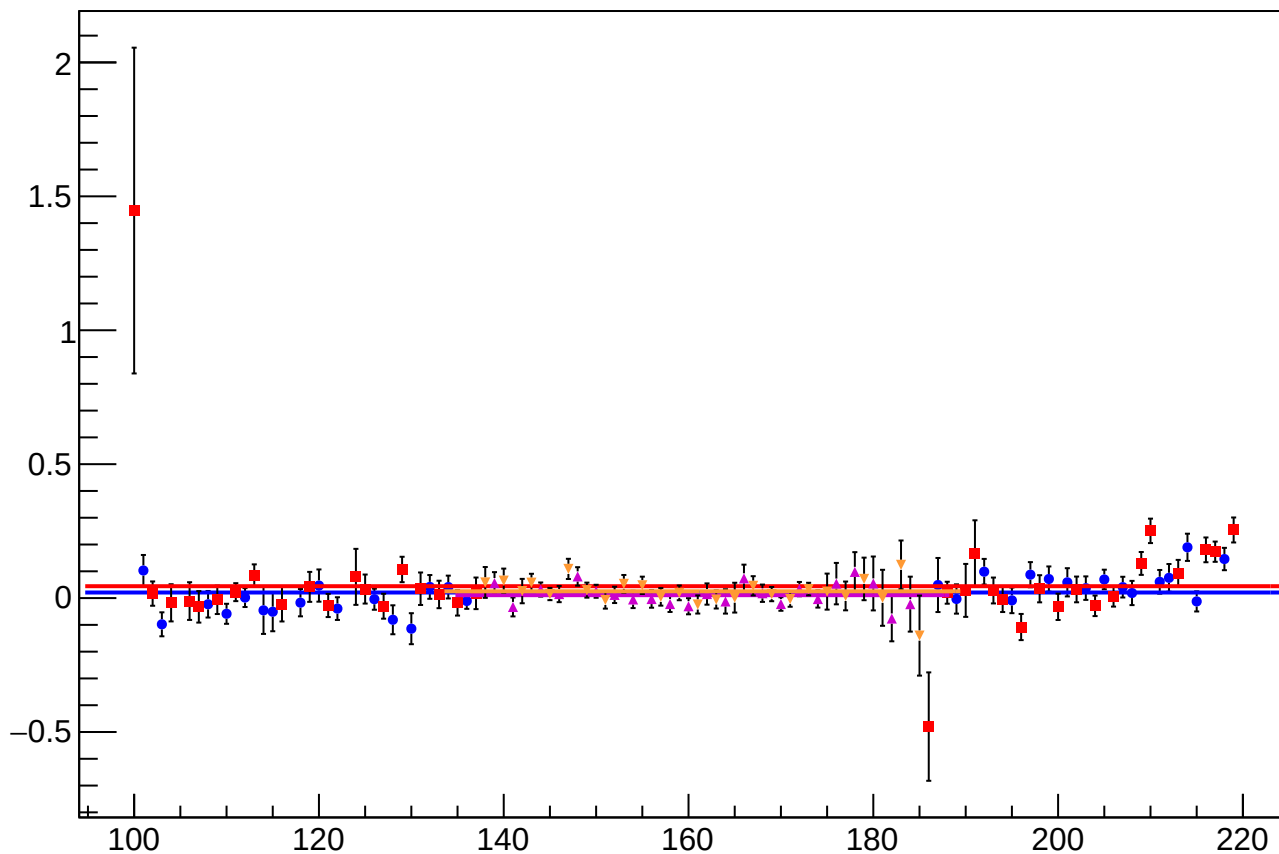
Left In: 0.001+/-0.000 χ^2/NDF : 9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF : 25099307.4/56

All: 0.001+/-0.000 χ^2/NDF : 49972646.5/116

- sign 0.001+/-0.000 χ^2/NDF : 24870856.7/59

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.021 ± 0.008 χ^2/NDF : 61.8/31

Left Out: 0.025 ± 0.007 χ^2/NDF : 17.4/24

Right Out: 0.044 ± 0.008 χ^2/NDF : 113.9/36

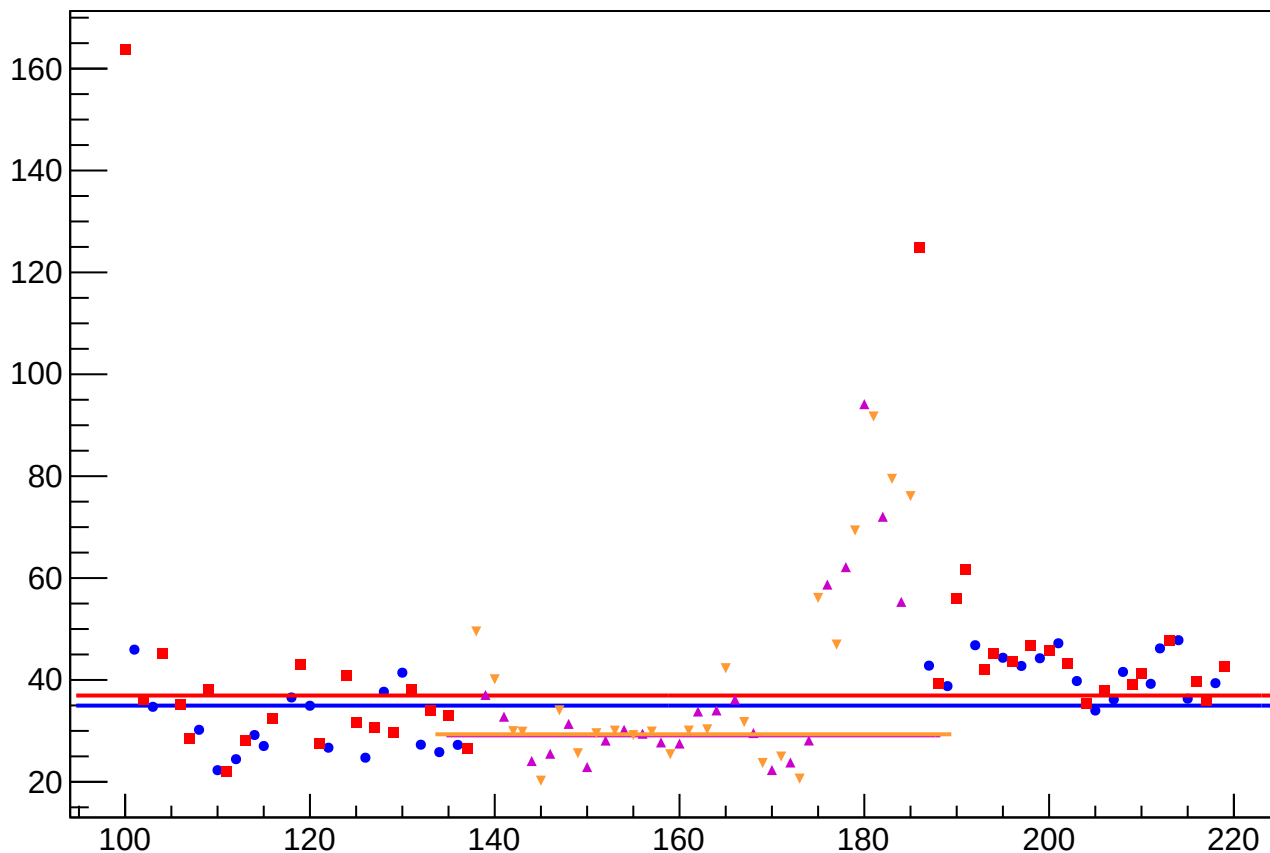
Left In: 0.011 ± 0.007 χ^2/NDF : 19.0/22

+ sign 0.023 ± 0.005 χ^2/NDF : 79.4/56

All: 0.024 ± 0.004 χ^2/NDF : 221.5/116

- sign 0.026 ± 0.005 χ^2/NDF : 142.0/59

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.966 $\pm$ 0.006 χ^2 /NDF: 1862508.4/31

Left Out: 29.334 $\pm$ 0.005 χ^2 /NDF: 3874839.0/24

Right Out: 36.946 $\pm$ 0.006 χ^2 /NDF: 1954843.2/36

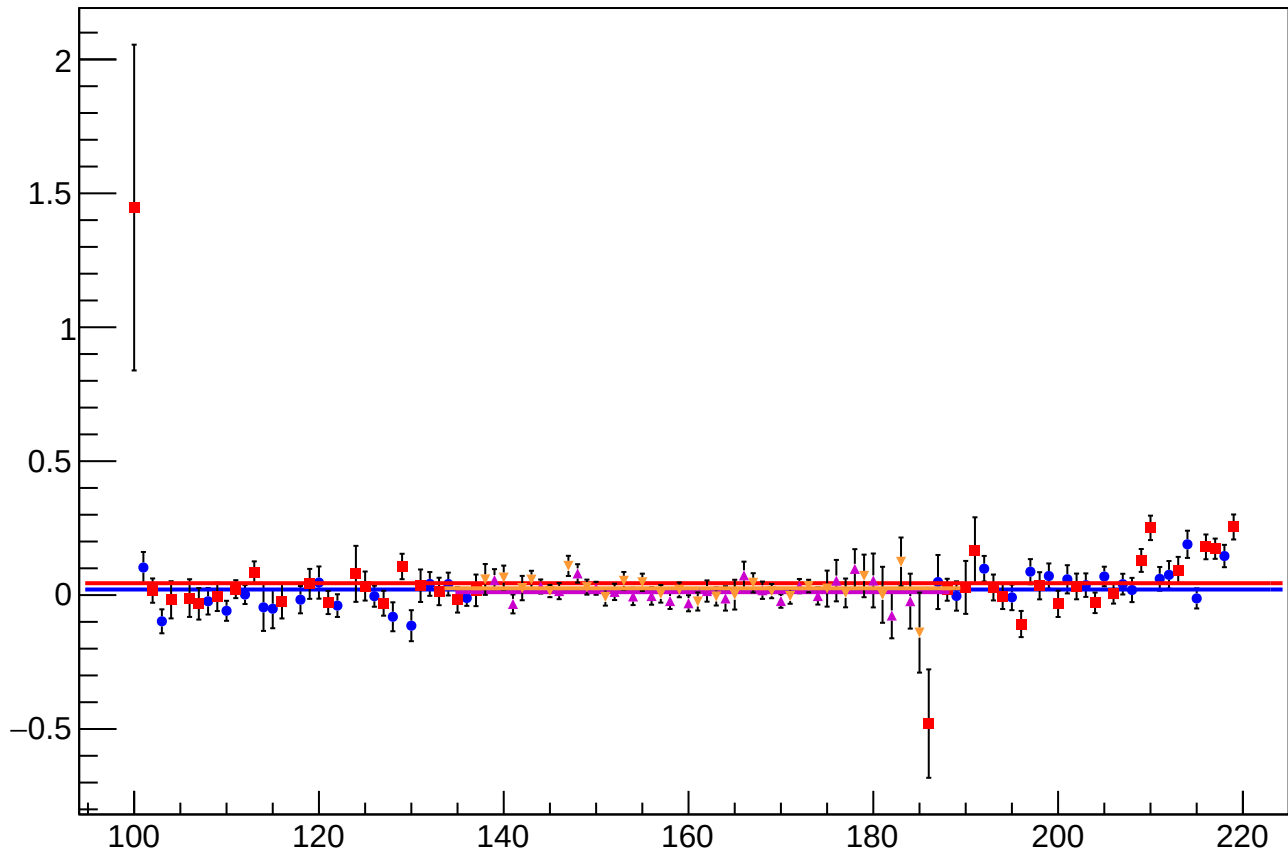
Left In: 29.124 $\pm$ 0.005 χ^2 /NDF: 2839078.4/22

+ sign 31.819 $\pm$ 0.004 χ^2 /NDF: 6280406.8/56

All: 32.174 $\pm$ 0.003 χ^2 /NDF: 12096707.3/116

- sign 32.543 $\pm$ 0.004 χ^2 /NDF: 5798458.7/59

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021 $\pm$ 0.008 χ^2 /NDF: 61.8/31

Left Out: 0.025 $\pm$ 0.007 χ^2 /NDF: 17.4/24

Right Out: 0.044 $\pm$ 0.008 χ^2 /NDF: 113.9/36

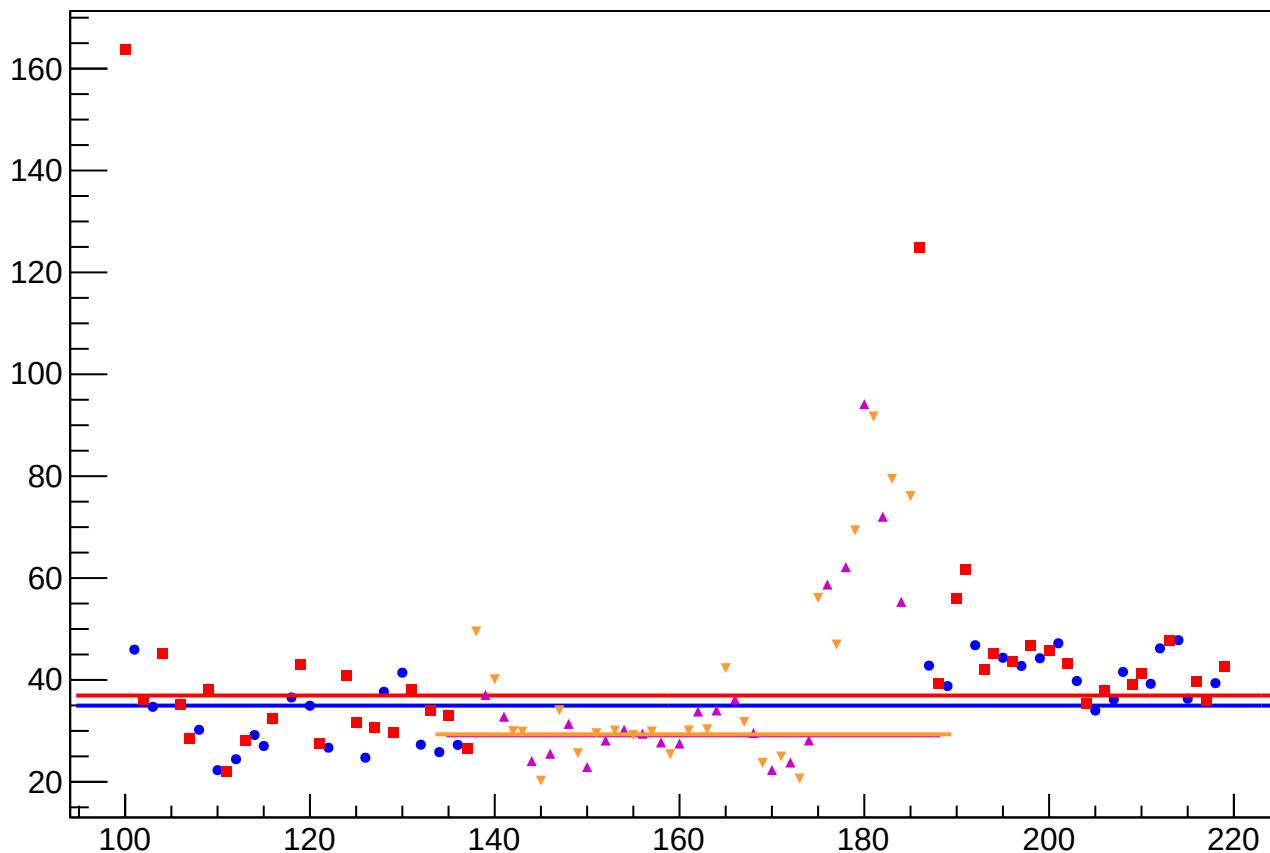
Left In: 0.011 $\pm$ 0.007 χ^2 /NDF: 19.0/22

+ sign 0.023 $\pm$ 0.005 χ^2 /NDF: 79.4/56

All: 0.024 $\pm$ 0.004 χ^2 /NDF: 221.5/116

- sign 0.026 $\pm$ 0.005 χ^2 /NDF: 142.0/59

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.966 $\pm$ 0.006 χ^2 /NDF: 1862508.4/31

Left Out: 29.334 $\pm$ 0.005 χ^2 /NDF: 3874839.0/24

Right Out: 36.946 $\pm$ 0.006 χ^2 /NDF: 1954843.2/36

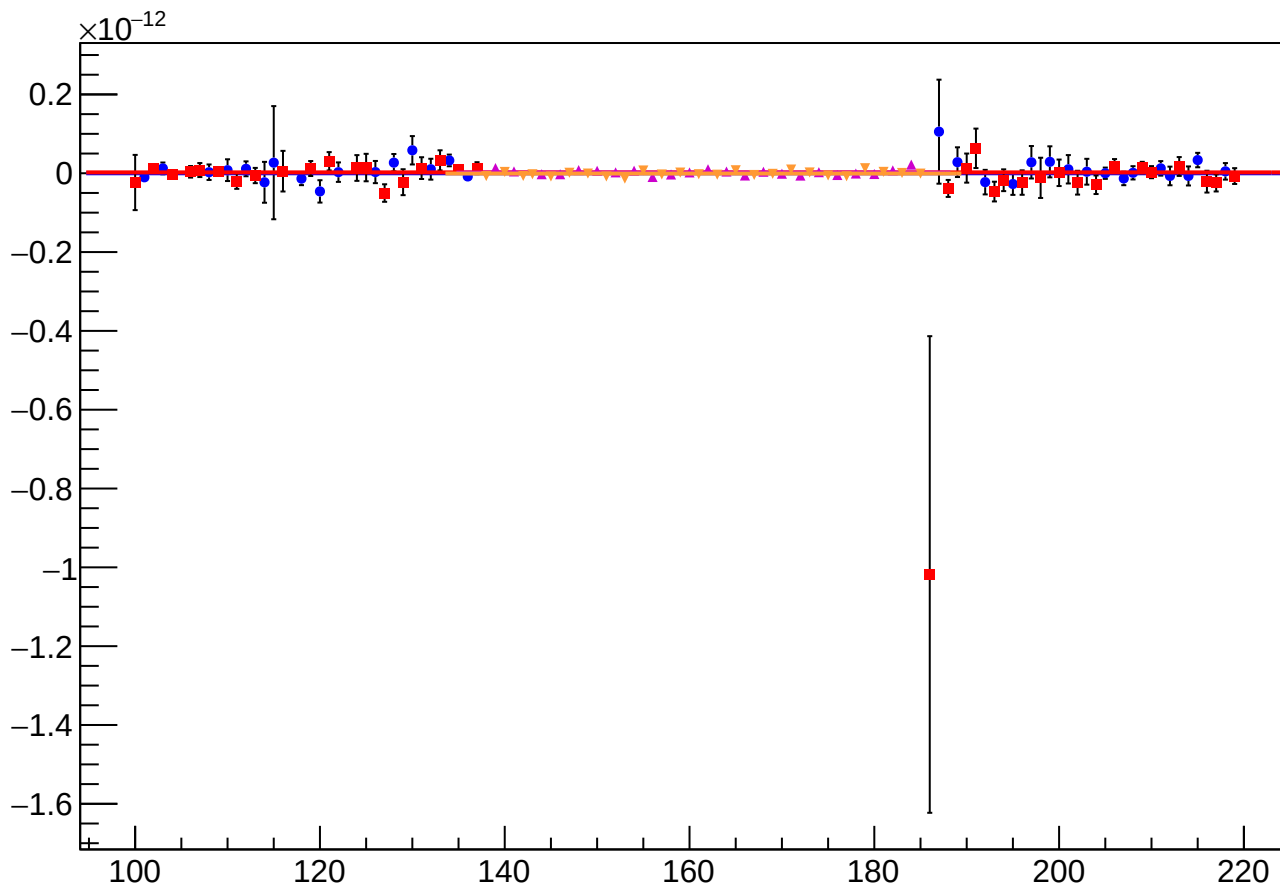
Left In: 29.124 $\pm$ 0.005 χ^2 /NDF: 2839078.4/22

+ sign 31.819 $\pm$ 0.004 χ^2 /NDF: 6280406.8/56

All: 32.174 $\pm$ 0.003 χ^2 /NDF: 12096707.3/116

- sign 32.543 $\pm$ 0.004 χ^2 /NDF: 5798458.7/59

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 25.5/31

Left Out: -0.000+/-0.000 χ^2 /NDF:15.1/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 34.1/36

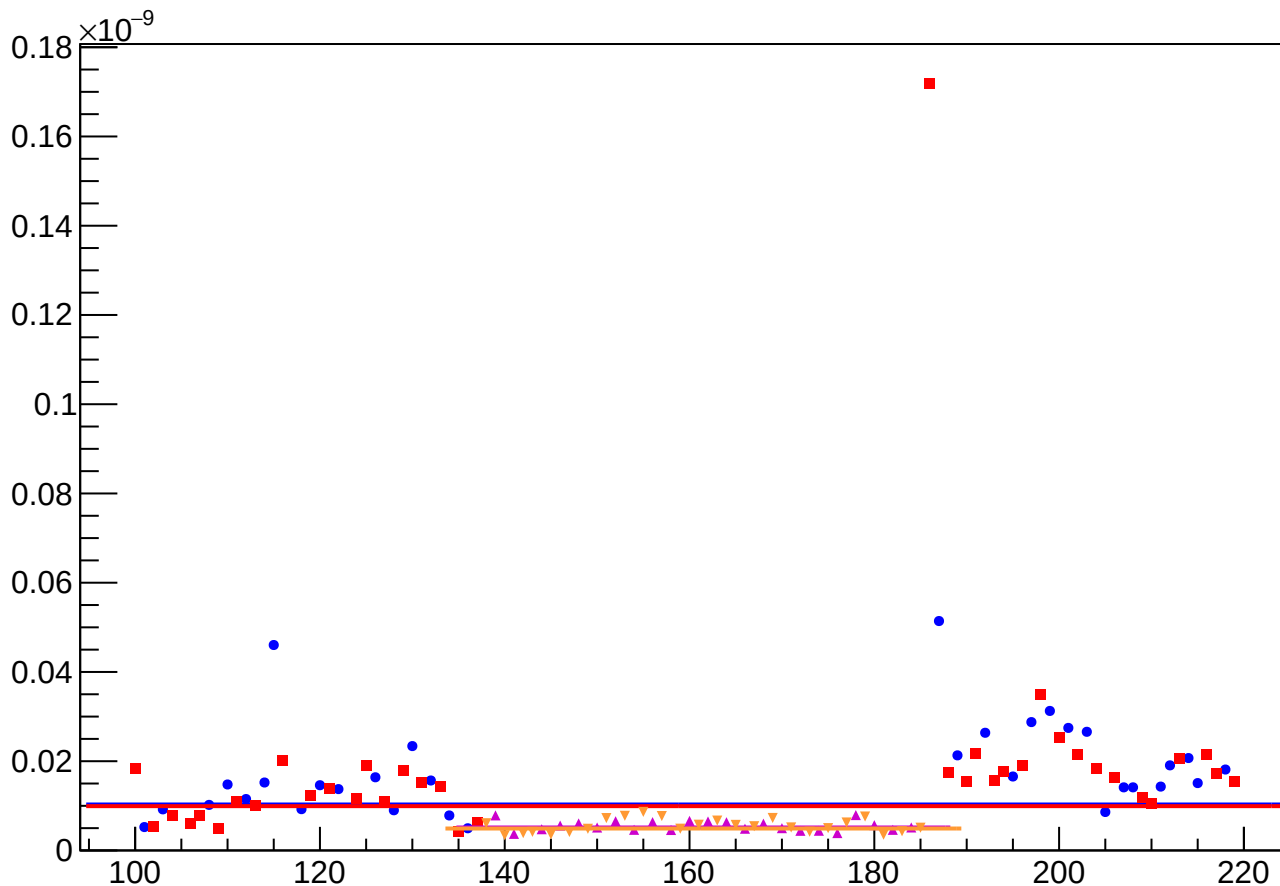
Left In: 0.000+/-0.000 χ^2 /NDF:16.5/22

+ sign -0.000+/-0.000 χ^2 /NDF: 40.6/56

All: 0.000+/-0.000 χ^2 /NDF: 92.8/116

- sign 0.000+/-0.000 χ^2 /NDF: 50.7/59

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7314715.7/31

Left Out: 0.000+/-0.000 χ^2/NDF : 1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6922849.9/36

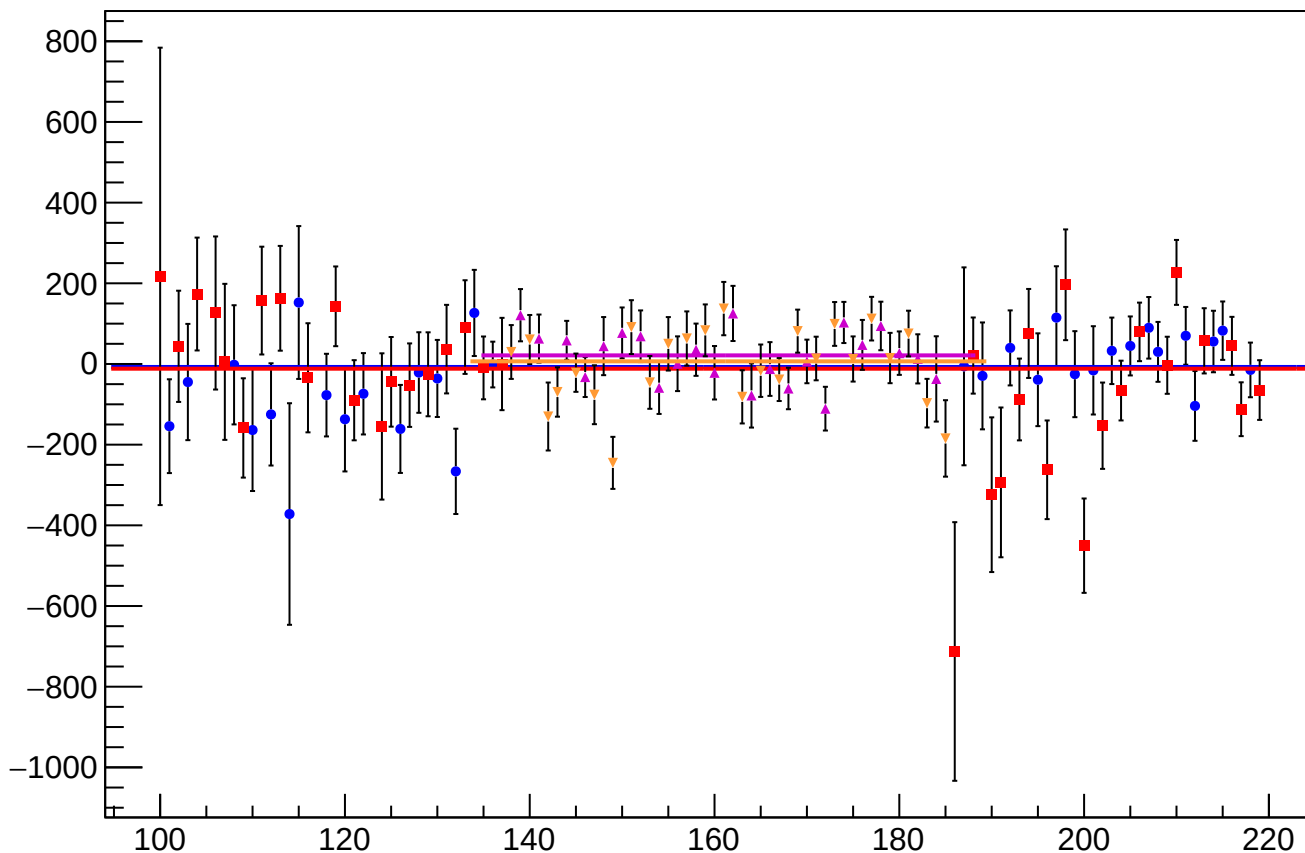
Left In: 0.000+/-0.000 χ^2/NDF : 976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 13949436.6/56

All: 0.000+/-0.000 χ^2/NDF : 25840469.1/116

- sign 0.000+/-0.000 χ^2/NDF : 11852862.7/59

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -7.403 ± 17.037 χ^2/NDF : 26.2/31

Left Out: 6.523 ± 12.287 χ^2/NDF : 50.6/24

Right Out: -11.677 ± 17.112 χ^2/NDF : 60.8/36

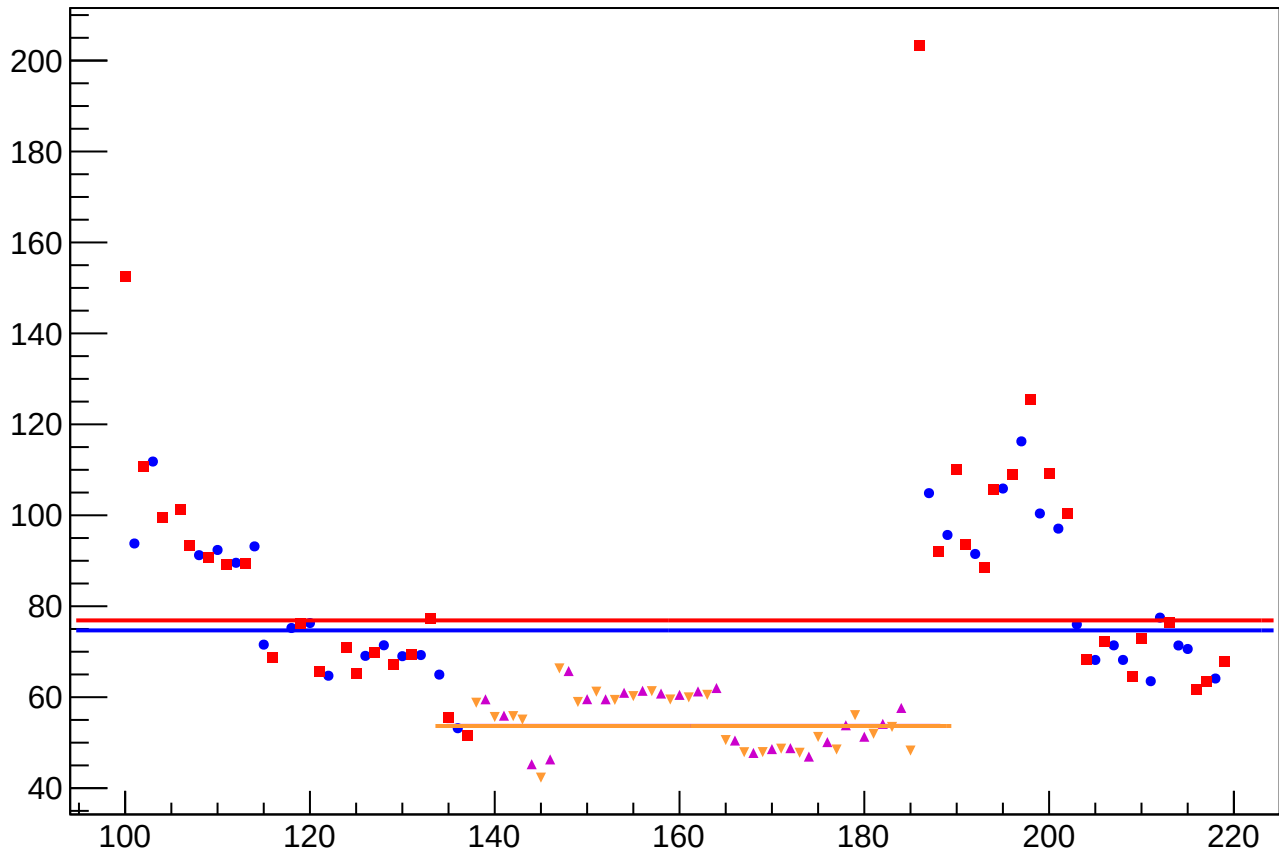
Left In: 21.336 ± 12.649 χ^2/NDF : 25.4/22

+ sign 1.758 ± 9.966 χ^2/NDF : 77.2/56

All: 5.633 ± 7.119 χ^2/NDF : 166.2/116

- sign 9.671 ± 10.172 χ^2/NDF : 88.6/59

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 74.689 $\pm$ 0.012 χ^2 /NDF: 1471471.4/31

Left Out: 53.666 $\pm$ 0.009 χ^2 /NDF:472206.8/24

Right Out: 76.887 $\pm$ 0.012 χ^2 /NDF: 2201463.1/36

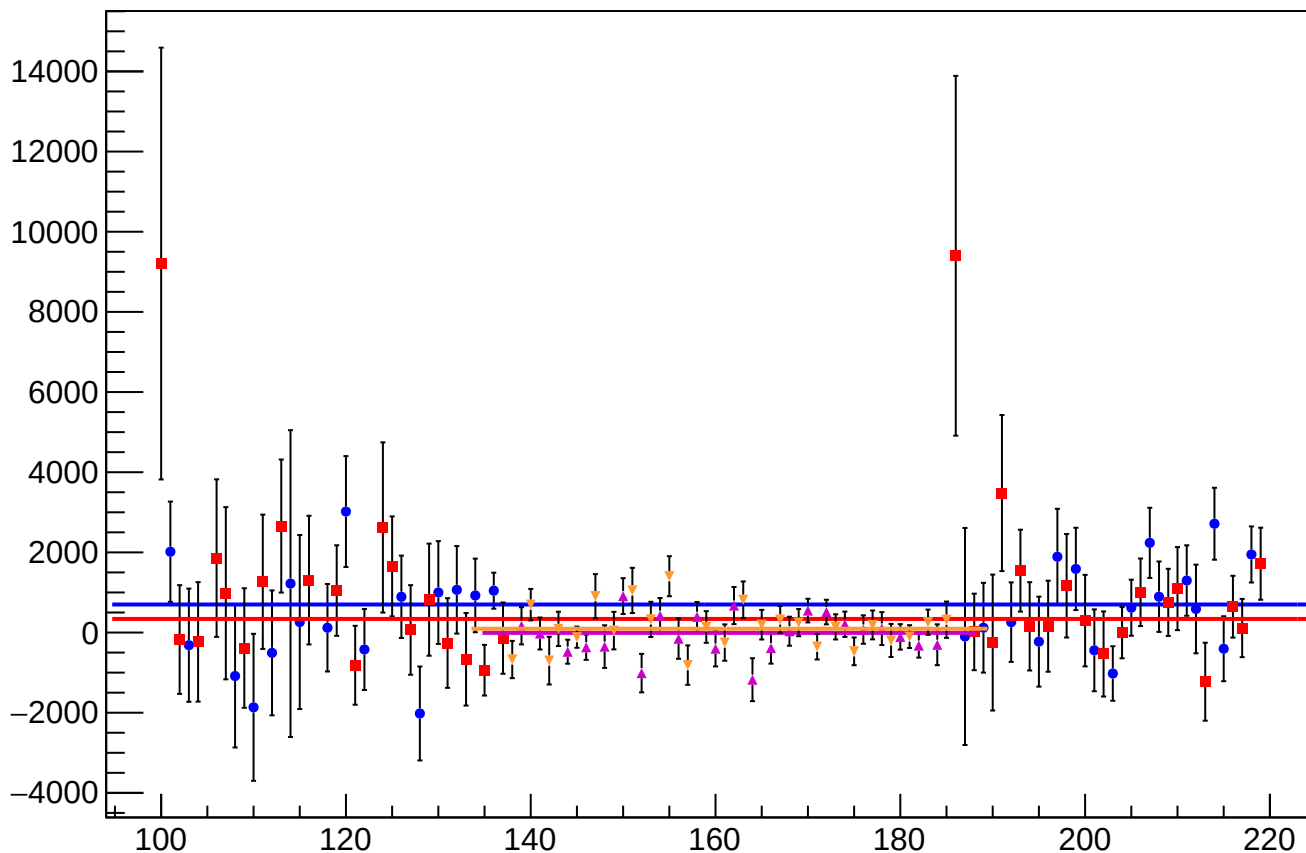
Left In: 53.695 $\pm$ 0.009 χ^2 /NDF:471343.7/22

+ sign 60.859 $\pm$ 0.007 χ^2 /NDF: 3947234.0/56

All: 61.364 $\pm$ 0.005 χ^2 /NDF: 9006199.1/116

- sign 61.889 $\pm$ 0.007 χ^2 /NDF: 5048501.7/59

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 699.803 ± 173.738 χ^2/NDF : 40.1/31

Left Out: 95.456 ± 77.134 χ^2/NDF : 33.2/24

Right Out: 339.769 ± 179.523 χ^2/NDF : 32.5/36

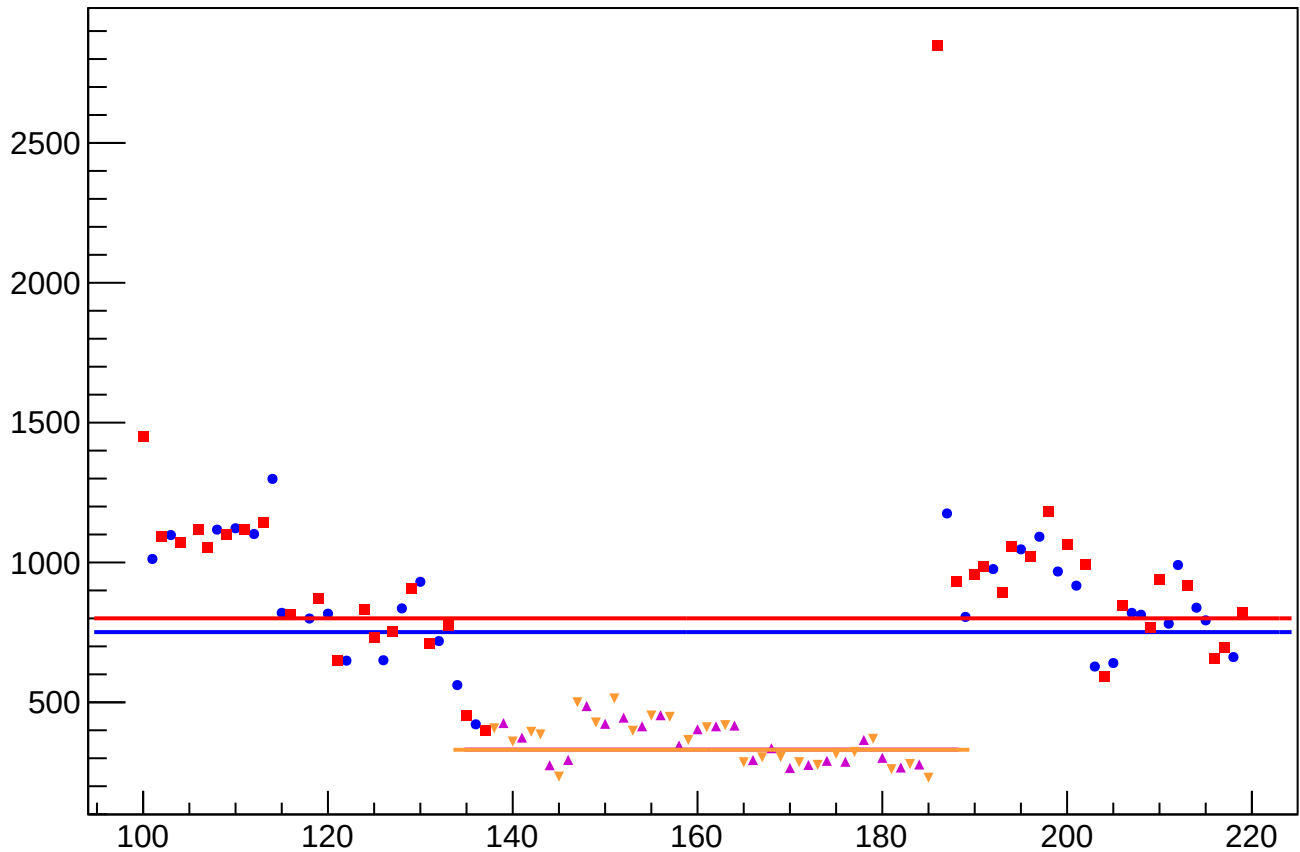
Left In: -7.879 ± 79.125 χ^2/NDF : 32.3/22

+ sign 194.963 ± 70.499 χ^2/NDF : 83.4/56

All: 123.768 ± 50.510 χ^2/NDF : 153.5/116

- sign 48.671 ± 72.405 χ^2/NDF : 68.0/59

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 751.043 $\pm$ 0.123 χ^2 /NDF: 2672733.6/31

Left Out: 330.405 $\pm$ 0.055 χ^2 /NDF: 1752470.5/24

Right Out: 800.265 $\pm$ 0.127 χ^2 /NDF: 3051949.7/36

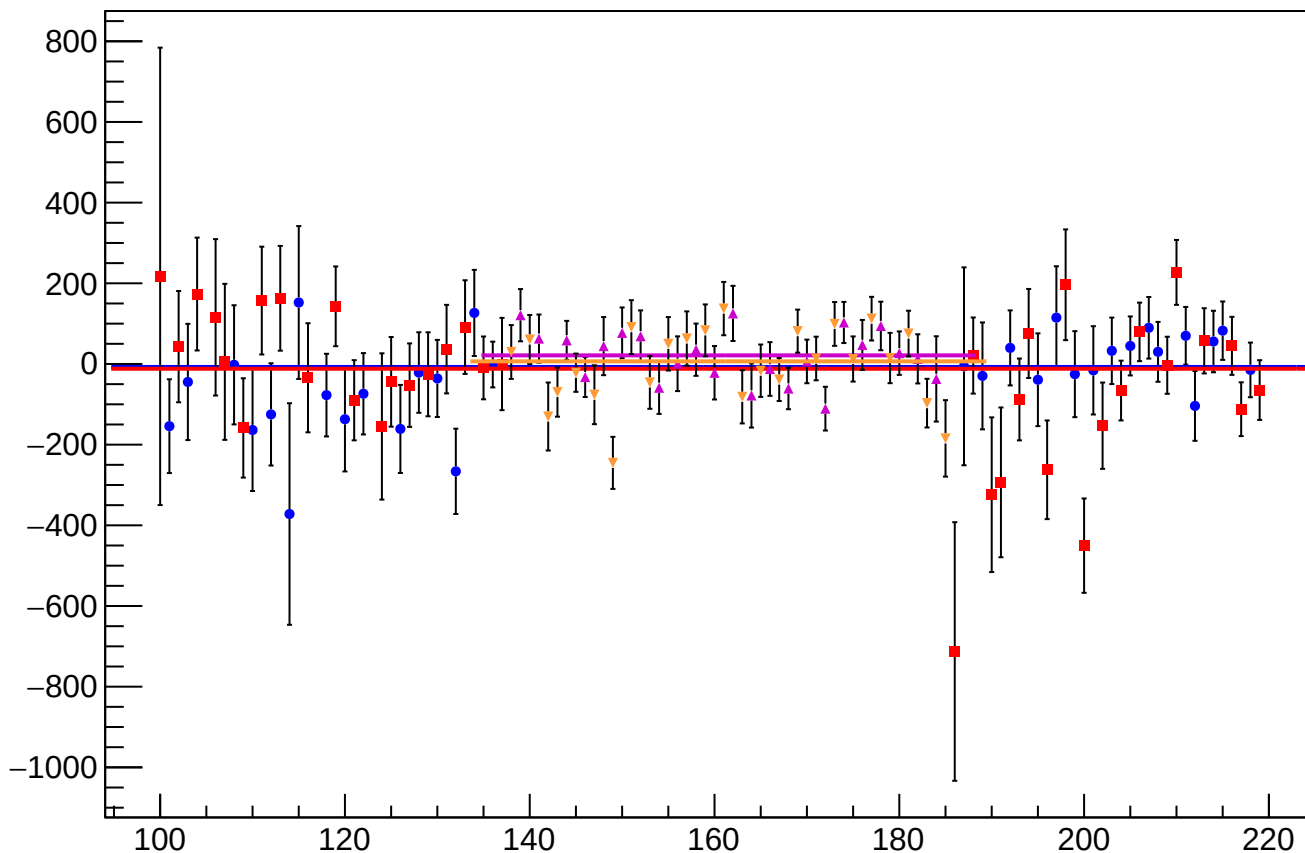
Left In: 331.059 $\pm$ 0.056 χ^2 /NDF: 1325602.5/22

+ sign 399.664 $\pm$ 0.050 χ^2 /NDF: 14218357.6/56

All: 403.420 $\pm$ 0.036 χ^2 /NDF: 30047381.7/11

- sign 407.382 $\pm$ 0.051 χ^2 /NDF: 15817360.6/59

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -7.397 ± 17.037 χ^2/NDF : 26.2/31

Left Out: 6.526 ± 12.287 χ^2/NDF : 50.6/24

Right Out: -11.821 ± 17.115 χ^2/NDF : 60.7/36

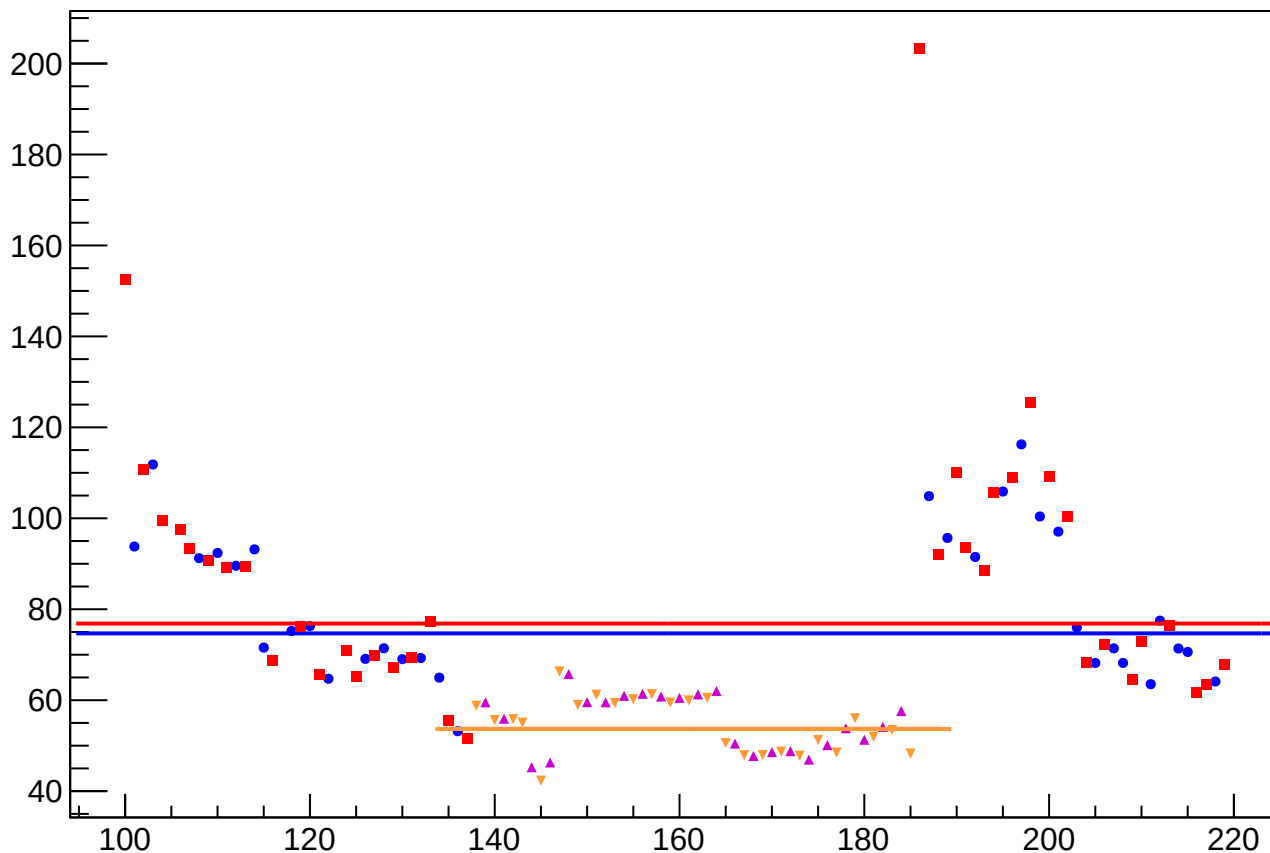
Left In: 21.335 ± 12.649 χ^2/NDF : 25.4/22

+ sign 1.762 ± 9.966 χ^2/NDF : 77.2/56

All: 5.611 ± 7.119 χ^2/NDF : 166.1/116

- sign 9.622 ± 10.173 χ^2/NDF : 88.6/59

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 74.689 $\pm$ 0.012 χ^2 /NDF: 1471473.8/31

Left Out: 53.666 $\pm$ 0.009 χ^2 /NDF: 472206.8/24

Right Out: 76.850 $\pm$ 0.012 χ^2 /NDF: 2191523.6/36

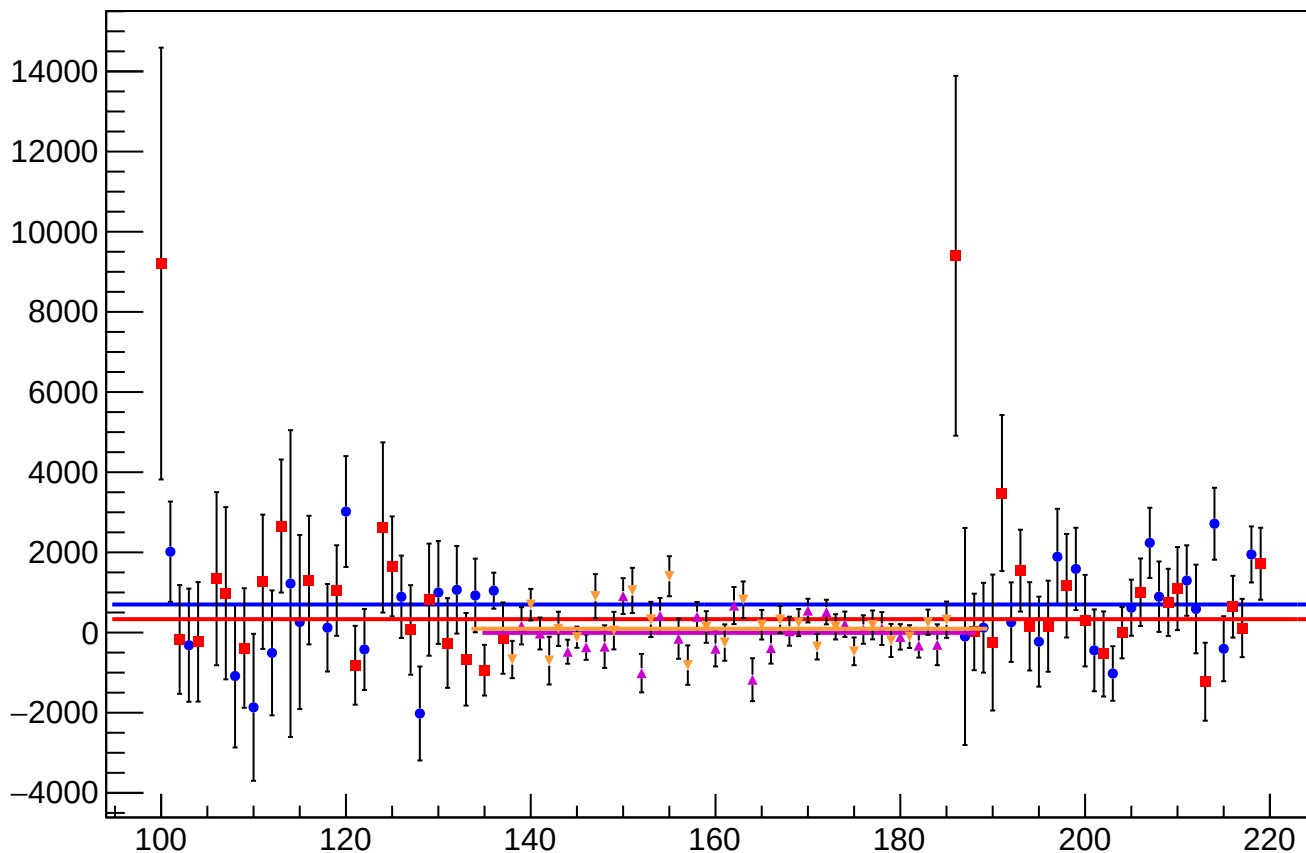
Left In: 53.695 $\pm$ 0.009 χ^2 /NDF: 471343.7/22

+ sign 60.859 $\pm$ 0.007 χ^2 /NDF: 3947236.5/56

All: 61.357 $\pm$ 0.005 χ^2 /NDF: 8987871.6/116

- sign 61.875 $\pm$ 0.007 χ^2 /NDF: 5030473.3/59

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 699.801 ± 173.739 χ^2/NDF : 40.1/31

Left Out: 95.458 ± 77.134 χ^2/NDF : 33.2/24

Right Out: 334.101 ± 179.653 χ^2/NDF : 32.1/36

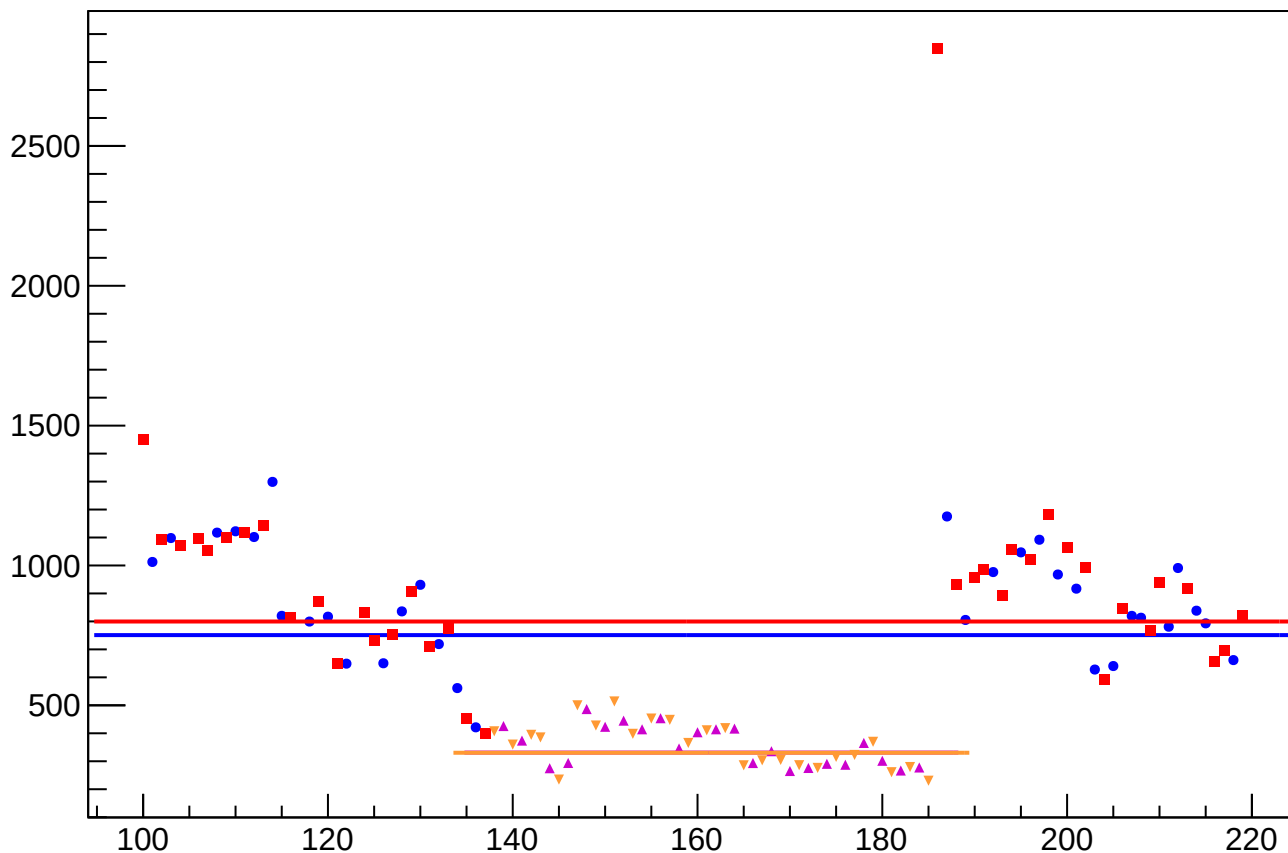
Left In: -7.875 ± 79.125 χ^2/NDF : 32.3/22

+ sign 194.965 ± 70.499 χ^2/NDF : 83.4/56

All: 123.297 ± 50.513 χ^2/NDF : 153.0/116

- sign 47.684 ± 72.413 χ^2/NDF : 67.5/59

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 751.044 $\pm$ 0.123 χ^2 /NDF: 2672756.8/31

Left Out: 330.405 $\pm$ 0.055 χ^2 /NDF: 1752469.2/24

Right Out: 799.658 $\pm$ 0.127 χ^2 /NDF: 3037291.8/36

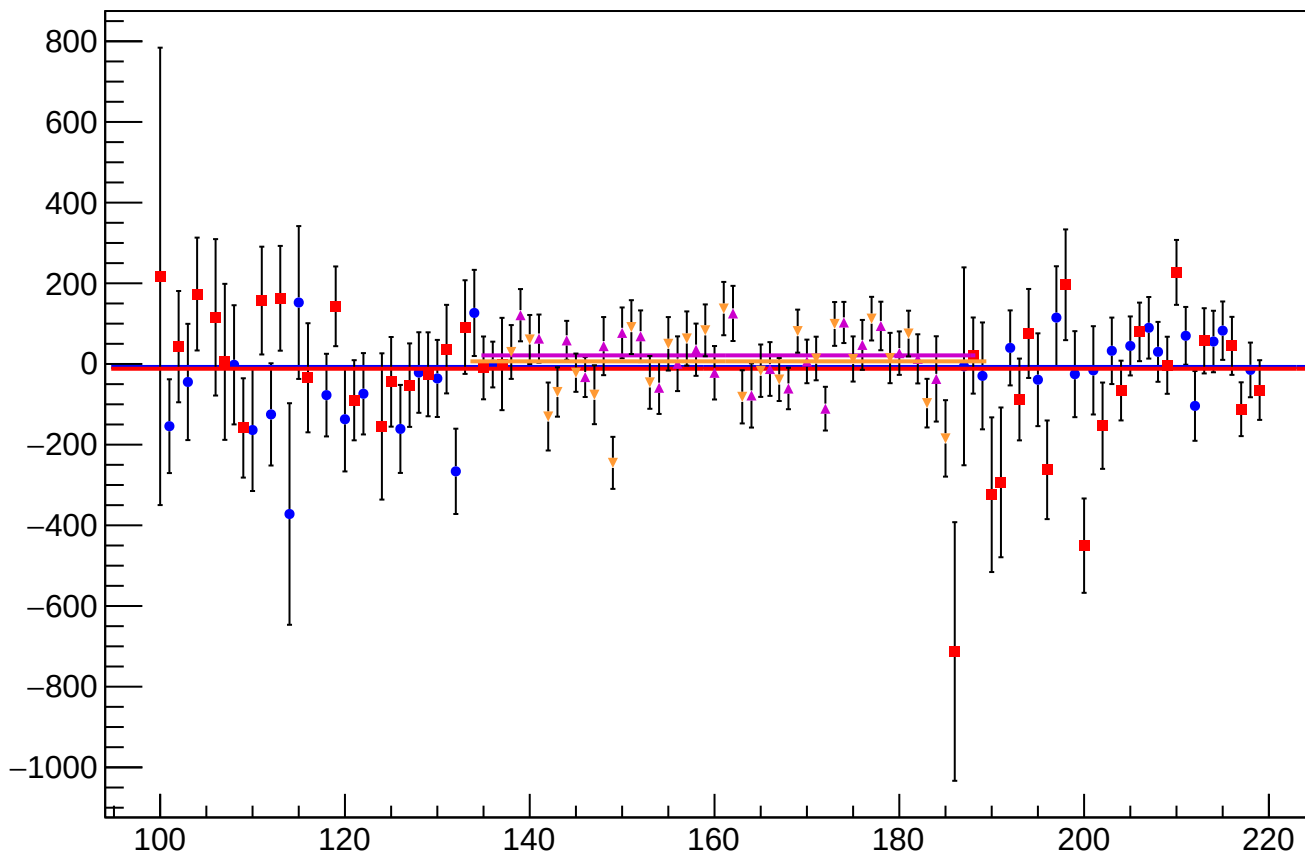
Left In: 331.058 $\pm$ 0.056 χ^2 /NDF: 1325610.1/22

+ sign 399.665 $\pm$ 0.050 χ^2 /NDF: 14218376.6/56

All: 403.327 $\pm$ 0.036 χ^2 /NDF: 29988722.2/11

- sign 407.190 $\pm$ 0.051 χ^2 /NDF: 15759255.3/59

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -7.397 ± 17.037 χ^2/NDF : 26.2/31

Left Out: 6.526 ± 12.287 χ^2/NDF : 50.6/24

Right Out: -11.821 ± 17.115 χ^2/NDF : 60.7/36

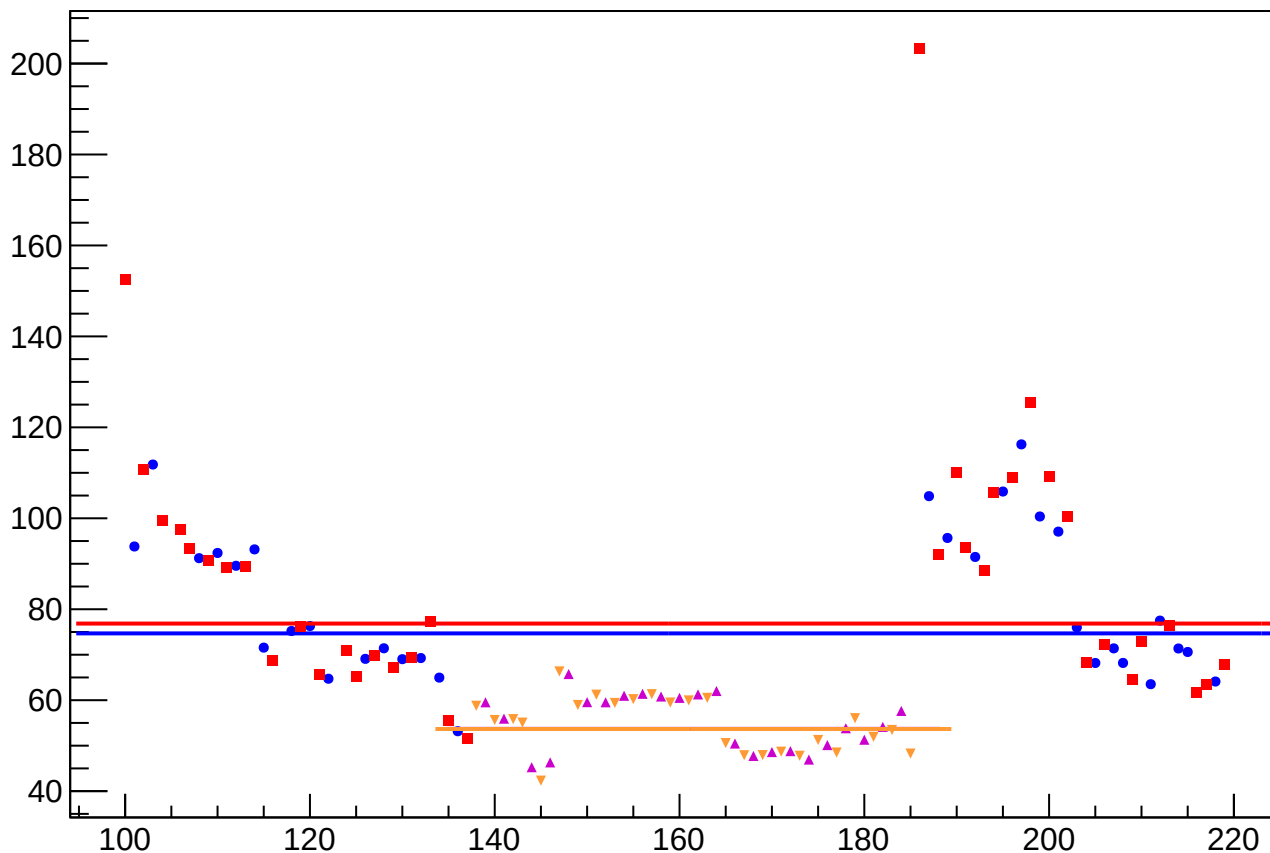
Left In: 21.335 ± 12.649 χ^2/NDF : 25.4/22

+ sign 1.762 ± 9.966 χ^2/NDF : 77.2/56

All: 5.611 ± 7.119 χ^2/NDF : 166.1/116

- sign 9.622 ± 10.173 χ^2/NDF : 88.6/59

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 74.689 $\pm$ 0.012 χ^2 /NDF: 1471473.8/31

Left Out: 53.666 $\pm$ 0.009 χ^2 /NDF: 472206.8/24

Right Out: 76.850 $\pm$ 0.012 χ^2 /NDF: 2191523.6/36

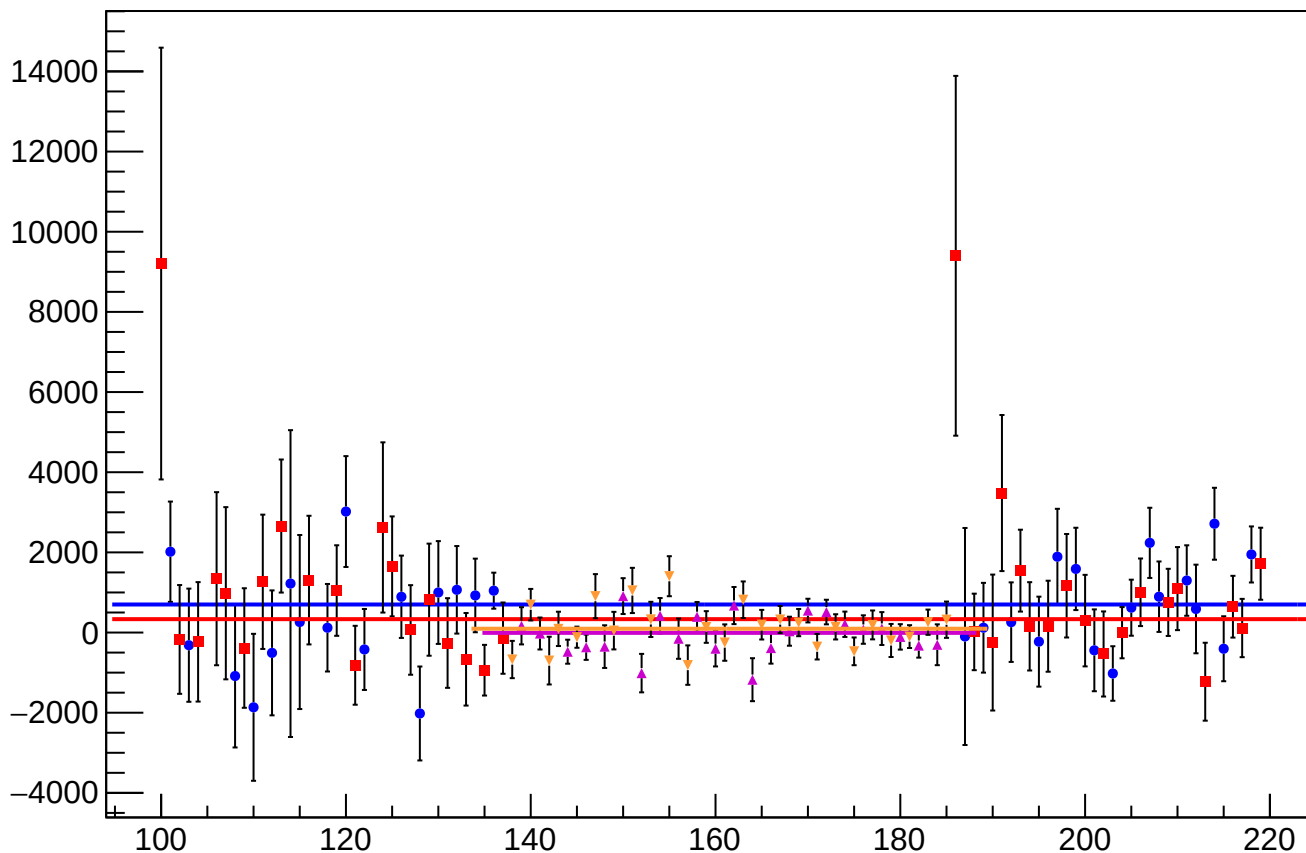
Left In: 53.695 $\pm$ 0.009 χ^2 /NDF: 471343.7/22

+ sign 60.859 $\pm$ 0.007 χ^2 /NDF: 3947236.5/56

All: 61.357 $\pm$ 0.005 χ^2 /NDF: 8987871.6/116

- sign 61.875 $\pm$ 0.007 χ^2 /NDF: 5030473.3/59

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 699.801 $\pm$ 173.739 χ^2 /NDF: 40.1/31

Left Out: 95.458 $\pm$ 77.134 χ^2 /NDF:33.2/24

Right Out: 334.101 $\pm$ 179.653 χ^2 /NDF: 32.1/36

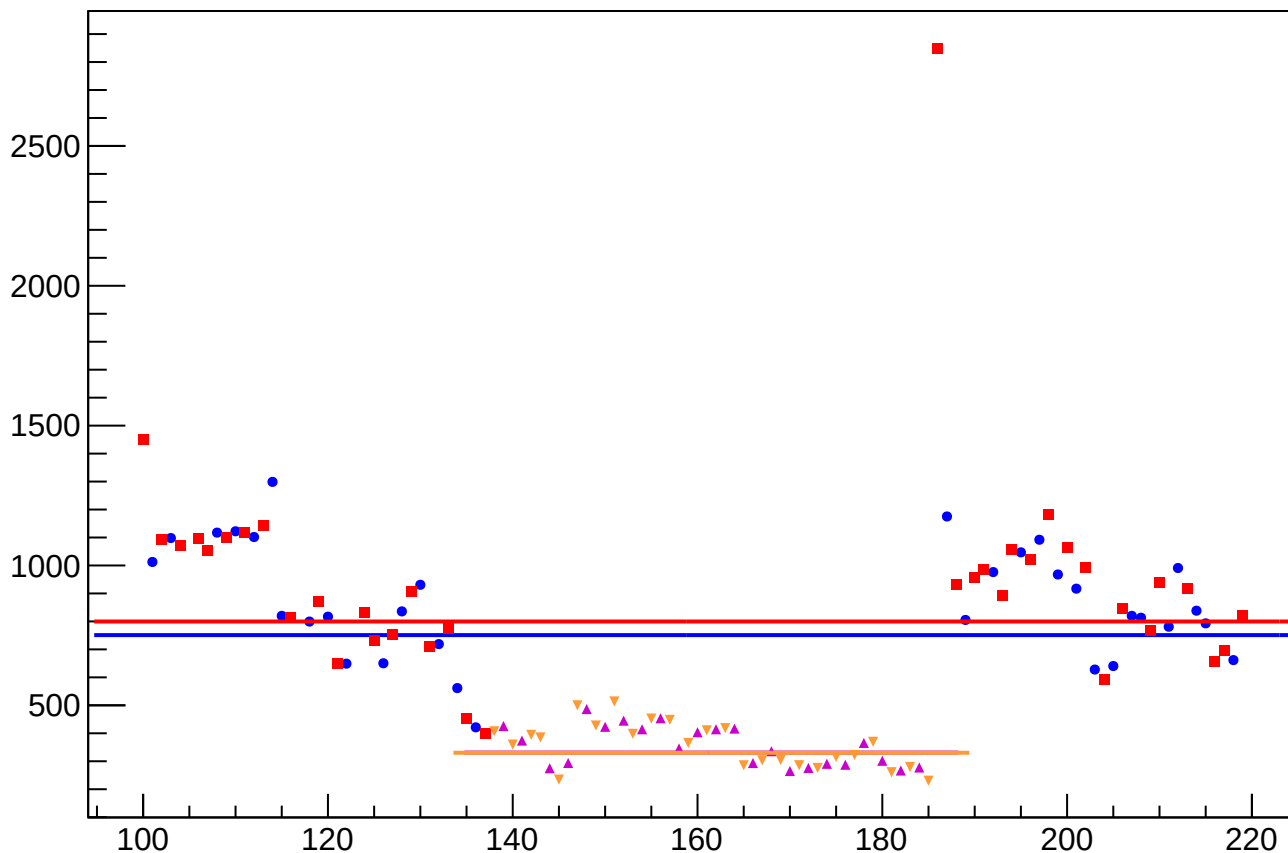
Left In: -7.875 $\pm$ 79.125 χ^2 /NDF:32.3/22

+ sign 194.965 $\pm$ 70.499 χ^2 /NDF: 83.4/56

All: 123.297 $\pm$ 50.513 χ^2 /NDF: 153.0/116

- sign 47.684 $\pm$ 72.413 χ^2 /NDF: 67.5/59

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug



Right In: 751.044 $\pm$ 0.123 χ^2 /NDF: 2672756.8/31

Left Out: 330.405 $\pm$ 0.055 χ^2 /NDF:1752469.2/24

Right Out: 799.658 $\pm$ 0.127 χ^2 /NDF: 3037291.8/36

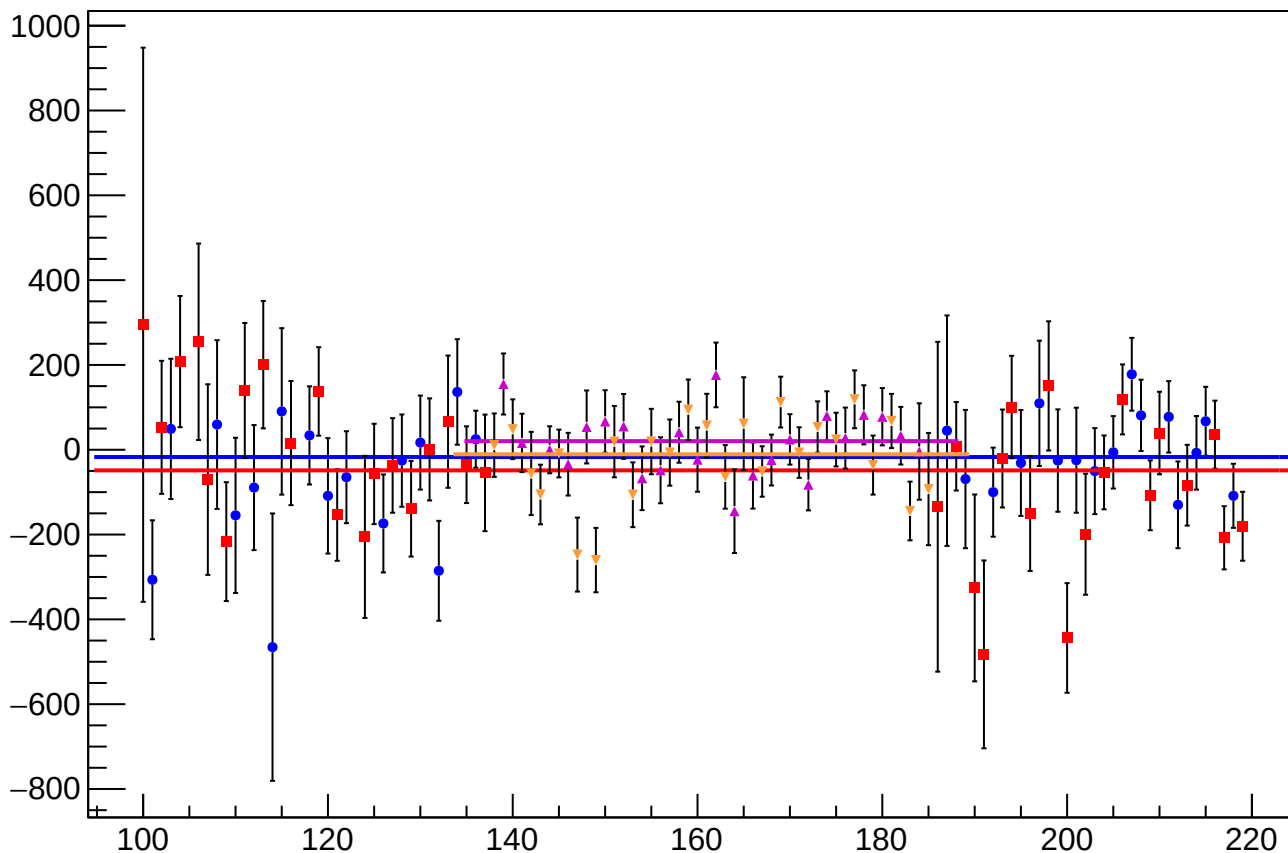
Left In: 331.058 $\pm$ 0.056 χ^2 /NDF:1325610.1/22

+ sign 399.665 $\pm$ 0.050 χ^2 /NDF: 14218376.6/56

All: 403.327 $\pm$ 0.036 χ^2 /NDF: 29988722.2/11

- sign 407.190 $\pm$ 0.051 χ^2 /NDF: 15759255.3/59

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -17.152 ± 19.501 χ^2/NDF : 30.8/31

Left Out: -10.614 ± 14.311 χ^2/NDF : 42.2/24

Right Out: -48.645 ± 19.451 χ^2/NDF : 51.1/36

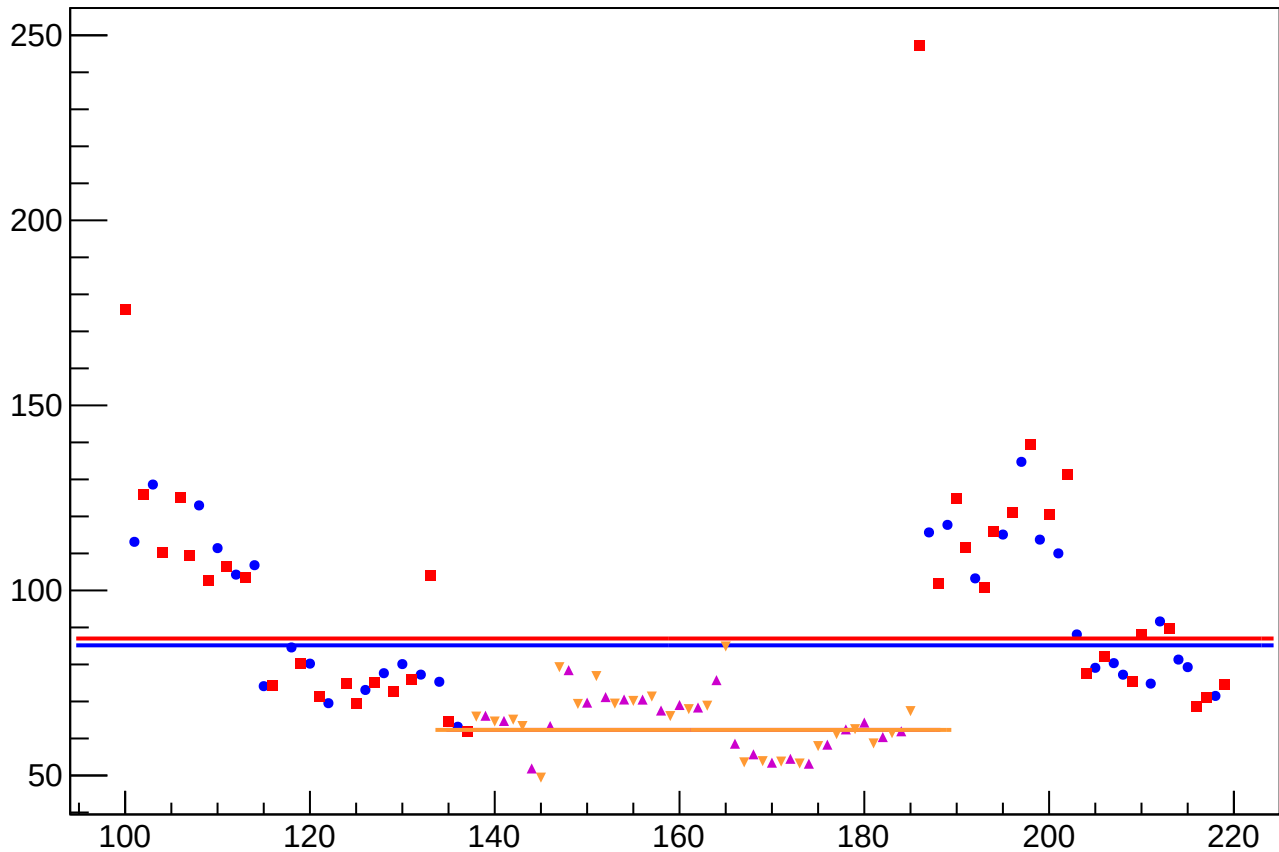
Left In: 20.306 ± 14.750 χ^2/NDF : 21.7/22

+ sign -12.902 ± 11.537 χ^2/NDF : 73.1/56

All: -8.960 ± 8.233 χ^2/NDF : 154.1/116

- sign -4.869 ± 11.753 χ^2/NDF : 80.8/59

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 85.164 $\pm$ 0.014 χ^2 /NDF: 1545819.0/31

Left Out: 62.316 $\pm$ 0.010 χ^2 /NDF: 636269.1/24

Right Out: 87.010 $\pm$ 0.014 χ^2 /NDF: 2375125.3/36

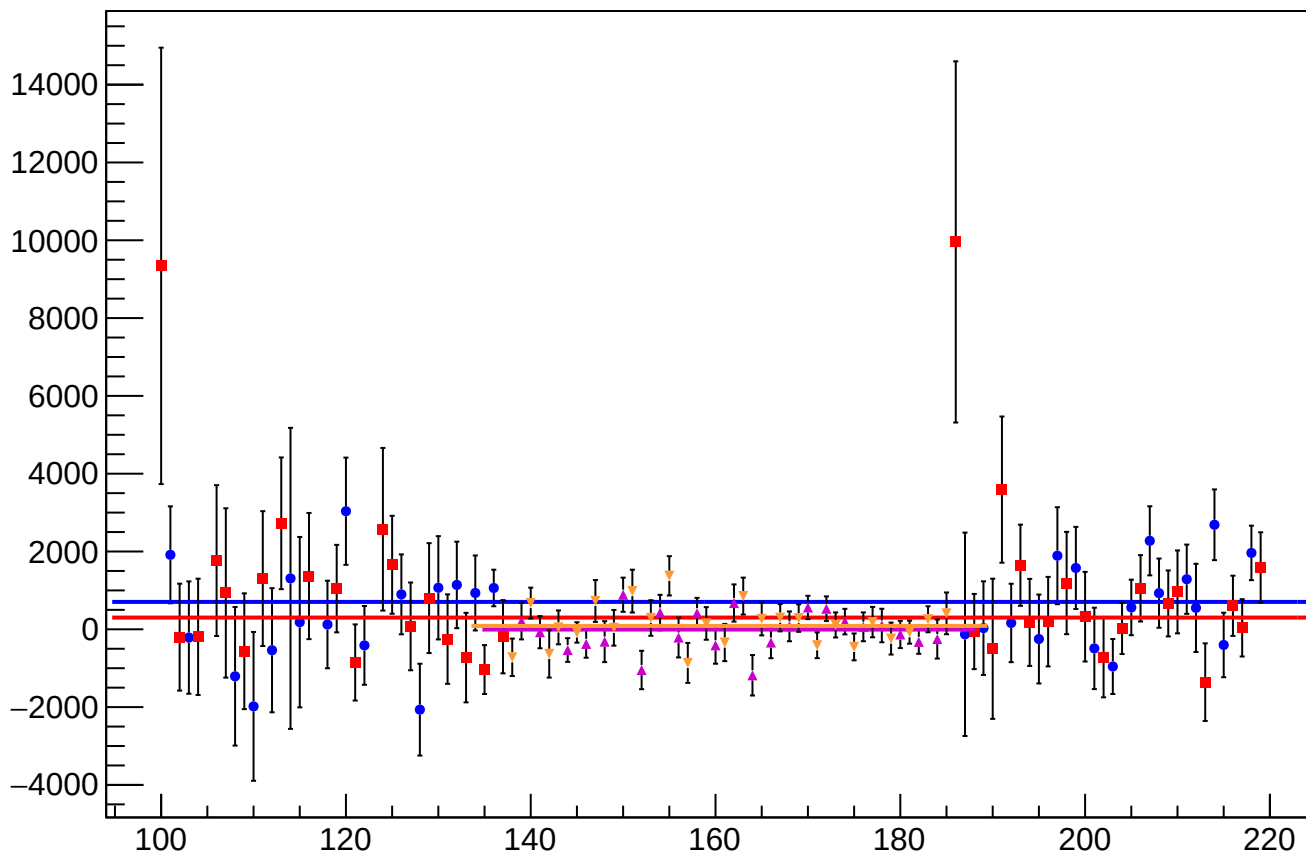
Left In: 62.310 $\pm$ 0.010 χ^2 /NDF: 484549.5/22

+ sign 70.313 $\pm$ 0.008 χ^2 /NDF: 3966415.8/56

All: 70.811 $\pm$ 0.006 χ^2 /NDF: 8881208.1/116

- sign 71.328 $\pm$ 0.008 χ^2 /NDF: 4907197.9/59

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 704.295 ± 177.881 χ^2/NDF : 39.2/31

Left Out: 86.985 ± 79.837 χ^2/NDF : 31.7/24

Right Out: 301.743 ± 181.600 χ^2/NDF : 34.3/36

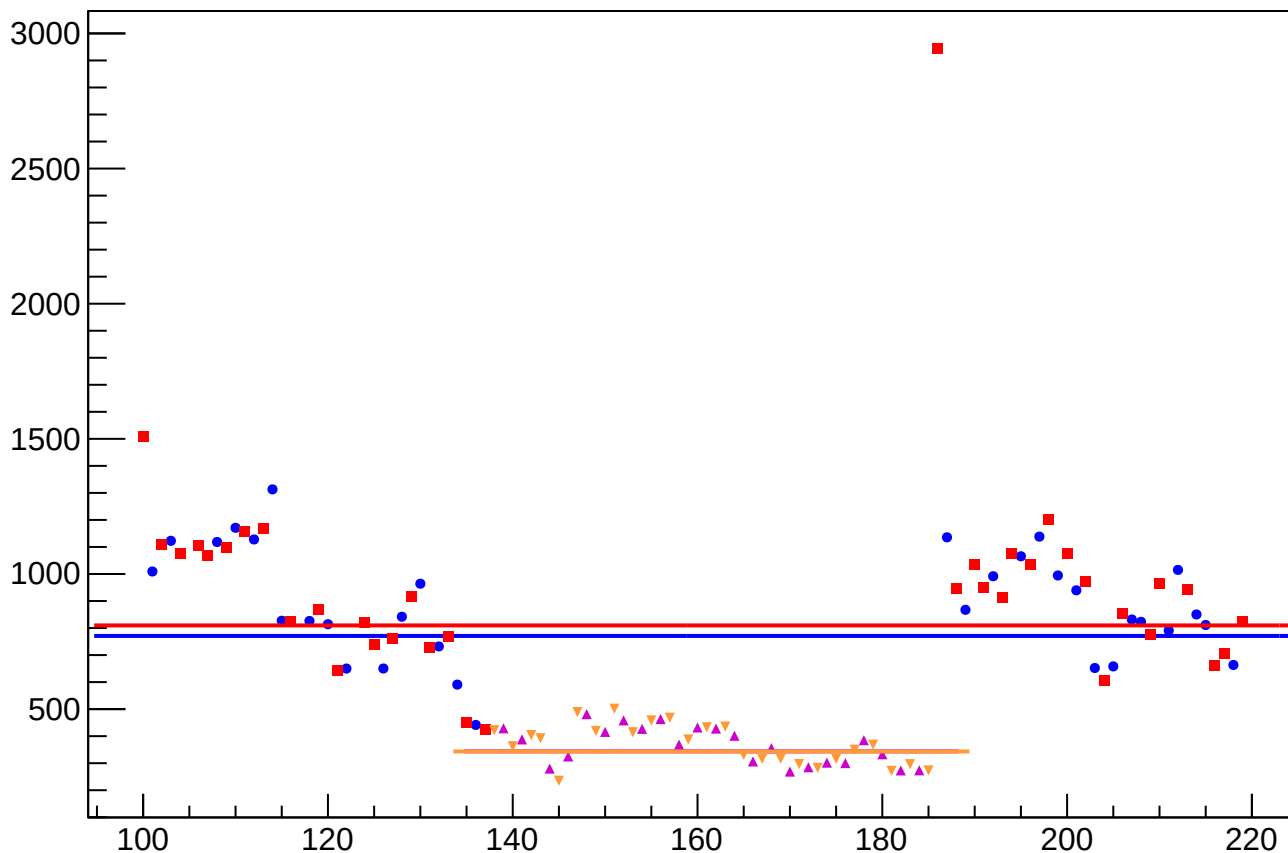
Left In: -6.497 ± 82.111 χ^2/NDF : 32.4/22

+ sign 190.486 ± 72.837 χ^2/NDF : 80.9/56

All: 120.095 ± 52.190 χ^2/NDF : 151.9/116

- sign 45.823 ± 74.818 χ^2/NDF : 69.1/59

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 770.798 $\pm$ 0.126 χ^2 /NDF: 2543484.2/31

Left Out: 343.225 $\pm$ 0.056 χ^2 /NDF: 1595394.3/24

Right Out: 809.756 $\pm$ 0.128 χ^2 /NDF: 3045892.3/36

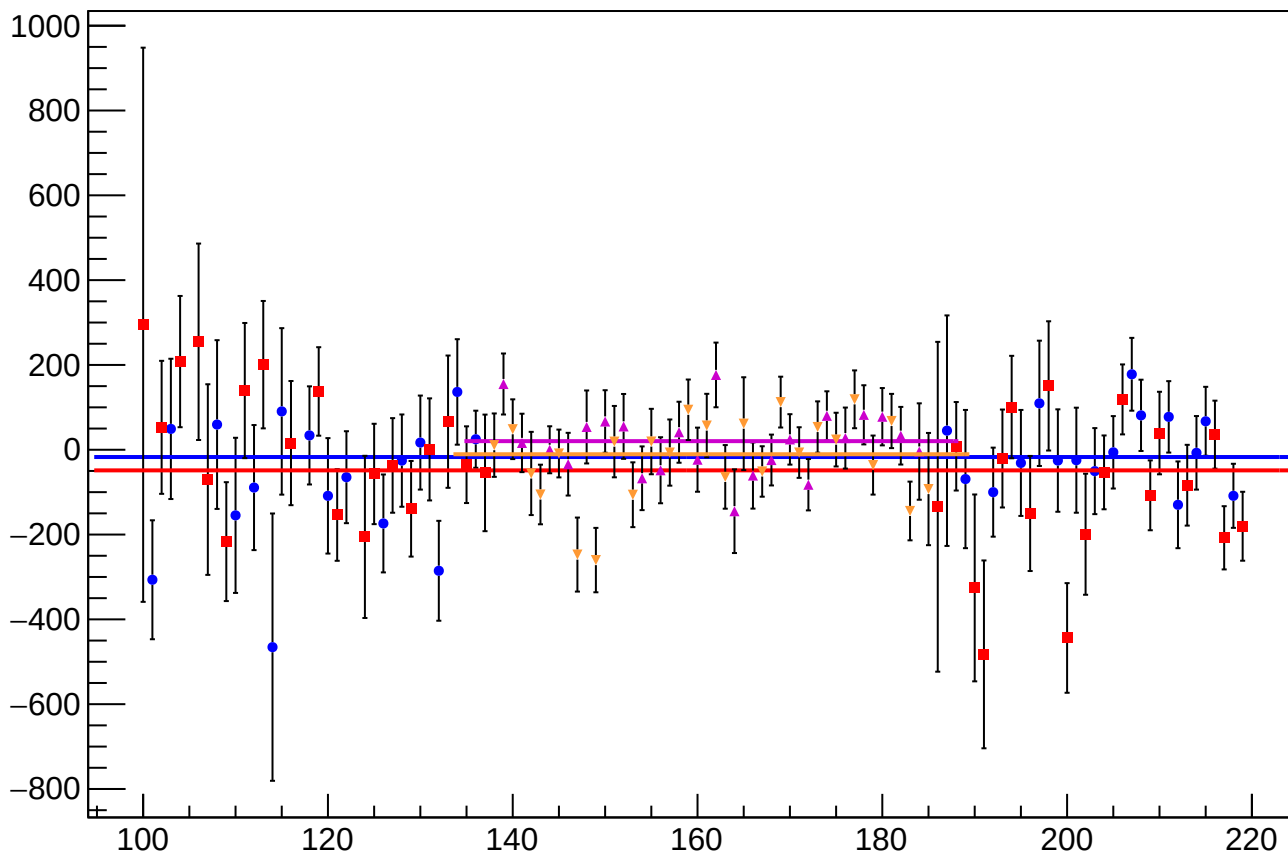
Left In: 343.717 $\pm$ 0.058 χ^2 /NDF: 1258376.8/22

+ sign 414.914 $\pm$ 0.052 χ^2 /NDF: 13757014.1/56

All: 418.762 $\pm$ 0.037 χ^2 /NDF: 29008741.6/1

- sign 422.822 $\pm$ 0.053 χ^2 /NDF: 15240256.6/59

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -17.153 ± 19.501 χ^2/NDF : 30.8/31

Left Out: -10.613 ± 14.311 χ^2/NDF : 42.2/24

Right Out: -48.645 ± 19.451 χ^2/NDF : 51.1/36

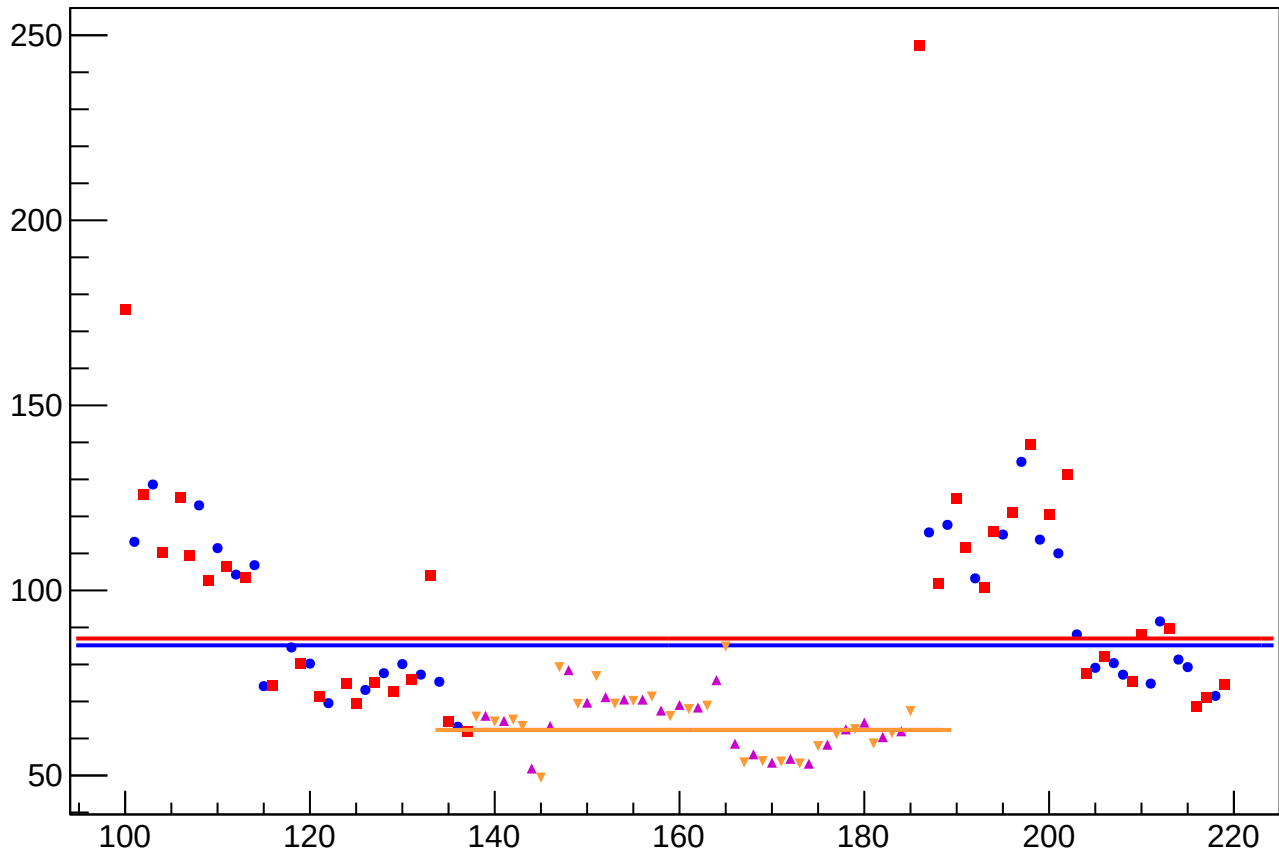
Left In: 20.306 ± 14.750 χ^2/NDF : 21.7/22

+ sign -12.902 ± 11.537 χ^2/NDF : 73.1/56

All: -8.960 ± 8.233 χ^2/NDF : 154.1/116

- sign -4.869 ± 11.753 χ^2/NDF : 80.8/59

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 85.163 $\pm$ 0.014 χ^2 /NDF: 1545828.0/31

Left Out: 62.316 $\pm$ 0.010 χ^2 /NDF: 636268.2/24

Right Out: 87.009 $\pm$ 0.014 χ^2 /NDF: 2375114.9/36

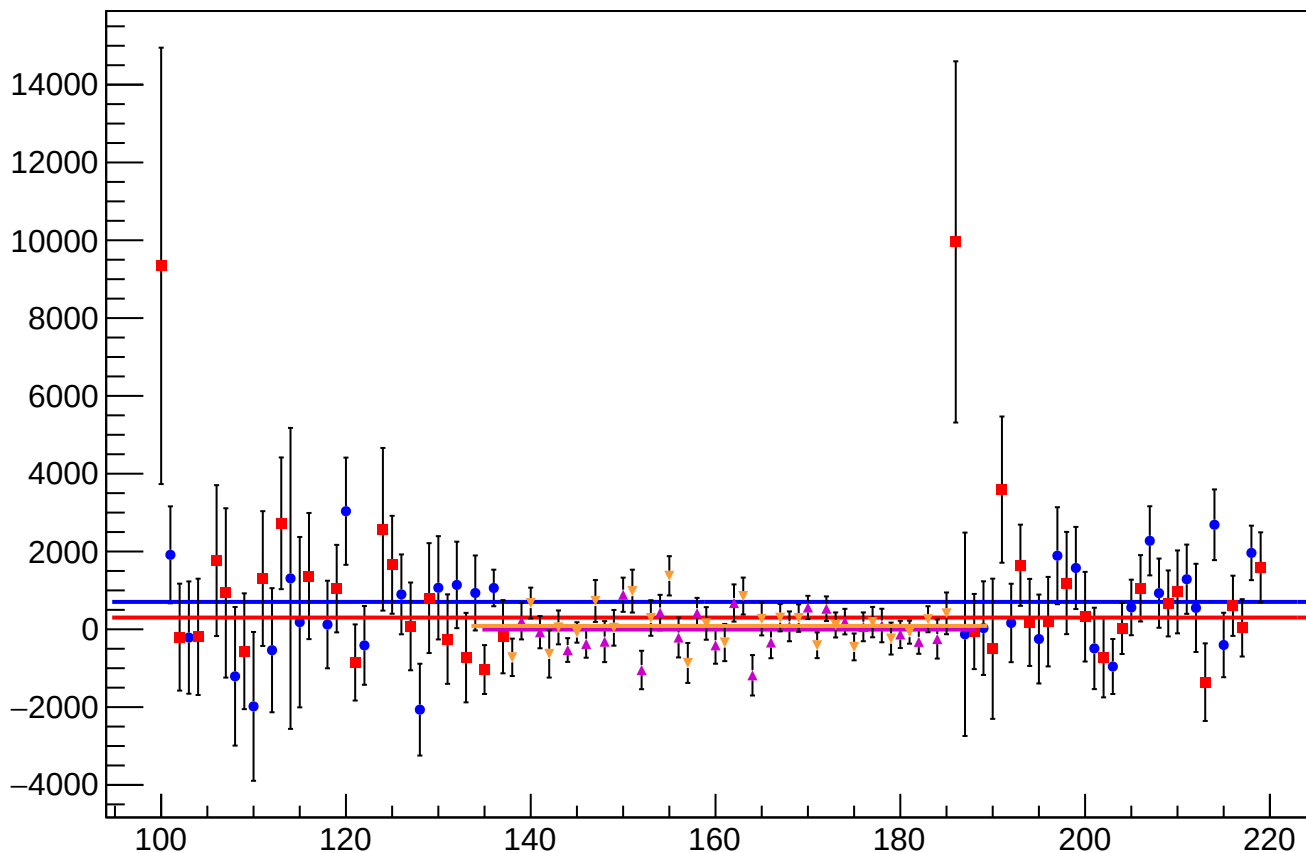
Left In: 62.311 $\pm$ 0.010 χ^2 /NDF: 484544.3/22

+ sign 70.313 $\pm$ 0.008 χ^2 /NDF: 3966393.2/56

All: 70.811 $\pm$ 0.006 χ^2 /NDF: 8881127.6/116

- sign 71.328 $\pm$ 0.008 χ^2 /NDF: 4907138.1/59

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 704.295 ± 177.881 χ^2/NDF : 39.2/31

Left Out: 86.985 ± 79.837 χ^2/NDF : 31.7/24

Right Out: 301.743 ± 181.600 χ^2/NDF : 34.3/36

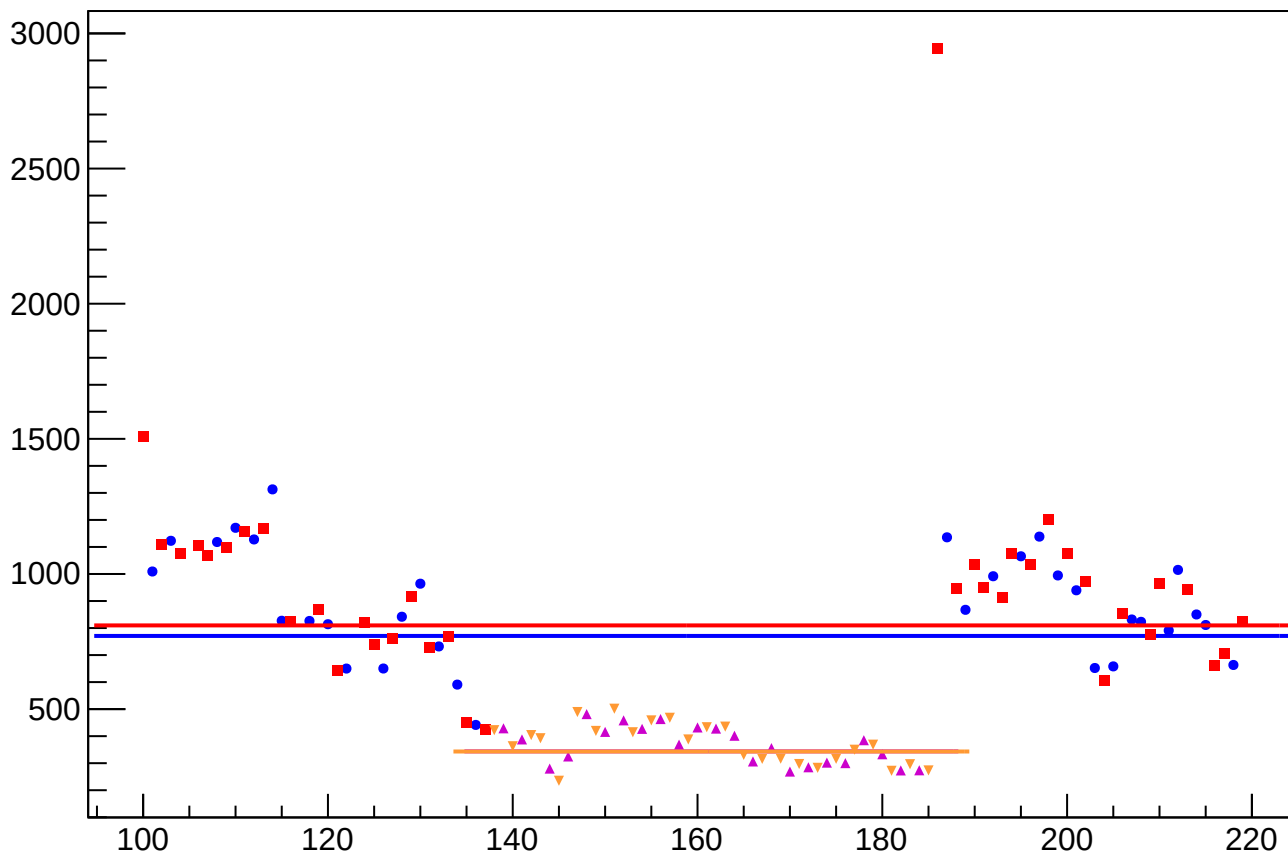
Left In: -6.497 ± 82.111 χ^2/NDF : 32.4/22

+ sign 190.486 ± 72.837 χ^2/NDF : 80.9/56

All: 120.096 ± 52.190 χ^2/NDF : 151.9/116

- sign 45.823 ± 74.818 χ^2/NDF : 69.1/59

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 770.798 $\pm$ 0.126 χ^2 /NDF: 2543472.9/31

Left Out: 343.225 $\pm$ 0.056 χ^2 /NDF: 1595415.4/24

Right Out: 809.756 $\pm$ 0.128 χ^2 /NDF: 3045879.0/36

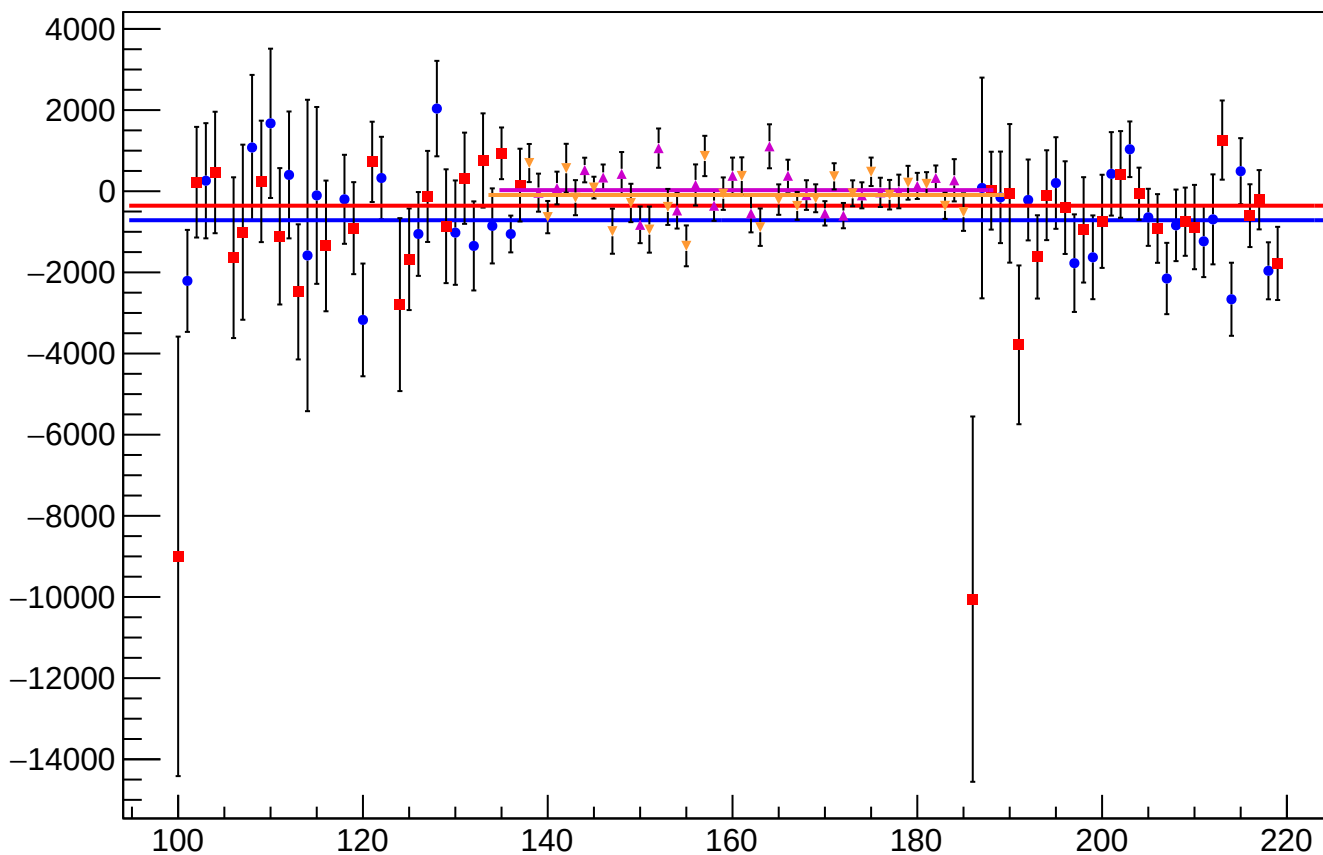
Left In: 343.717 $\pm$ 0.058 χ^2 /NDF: 1258392.0/22

+ sign 414.914 $\pm$ 0.052 χ^2 /NDF: 13757023.4/56

All: 418.762 $\pm$ 0.037 χ^2 /NDF: 29008749.2/11

- sign 422.822 $\pm$ 0.053 χ^2 /NDF: 15240254.6/59

asym_sam_15_26_dd_mean vs Slug



Right In: -714.612 ± 174.718 χ^2/NDF : 39.8/31

Left Out: -92.671 ± 78.184 χ^2/NDF : 34.2/24

Right Out: -356.411 ± 180.450 χ^2/NDF : 32.4/36

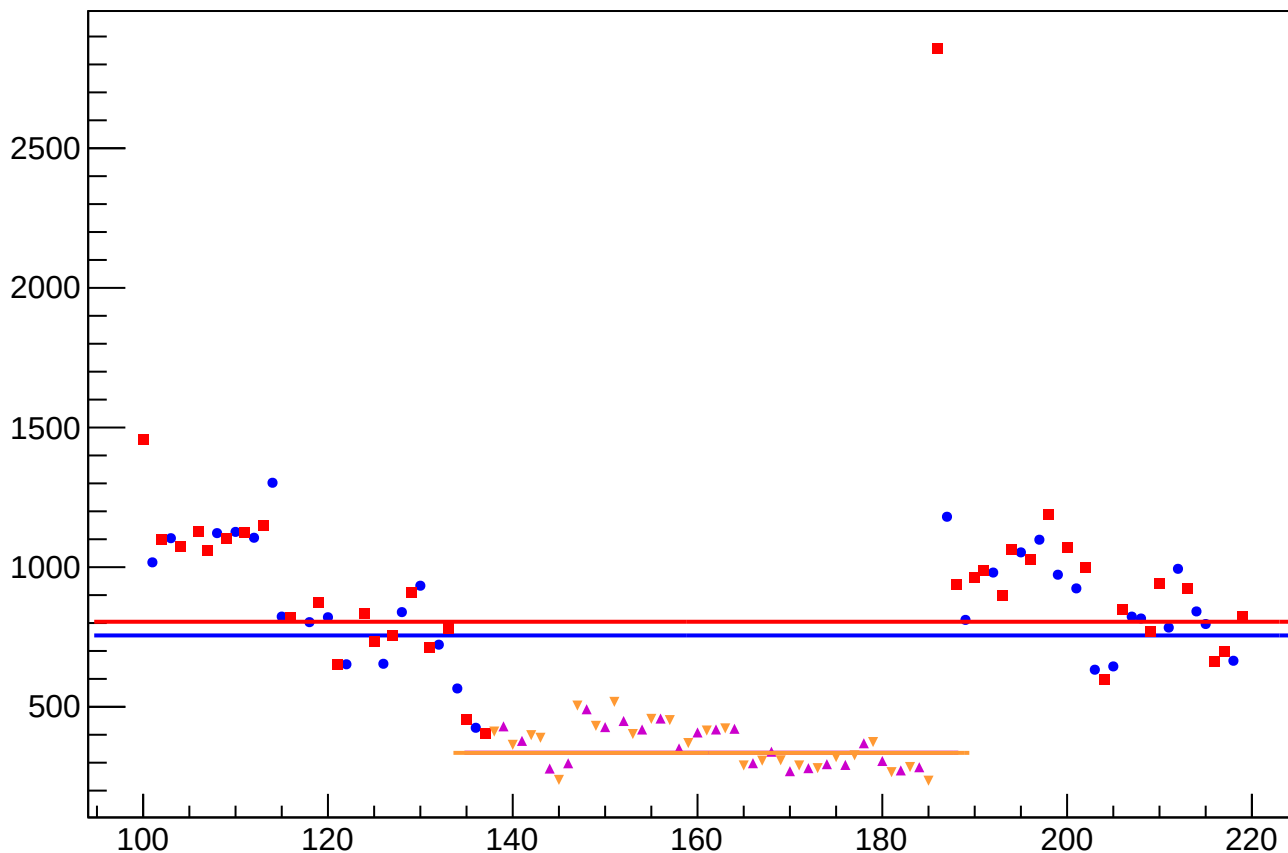
Left In: 27.173 ± 80.207 χ^2/NDF : 30.9/22

+ sign -196.434 ± 71.365 χ^2/NDF : 84.5/56

All: -118.408 ± 51.131 χ^2/NDF : 154.1/116

- sign -36.108 ± 73.293 χ^2/NDF : 67.1/59

asym_sam_15_26_dd_rms vs Slug



Right In: 755.567 $\pm$ 0.124 χ^2 /NDF: 2647220.4/31

Left Out: 335.150 $\pm$ 0.055 χ^2 /NDF:1706014.2/24

Right Out: 804.590 $\pm$ 0.128 χ^2 /NDF: 3035470.3/36

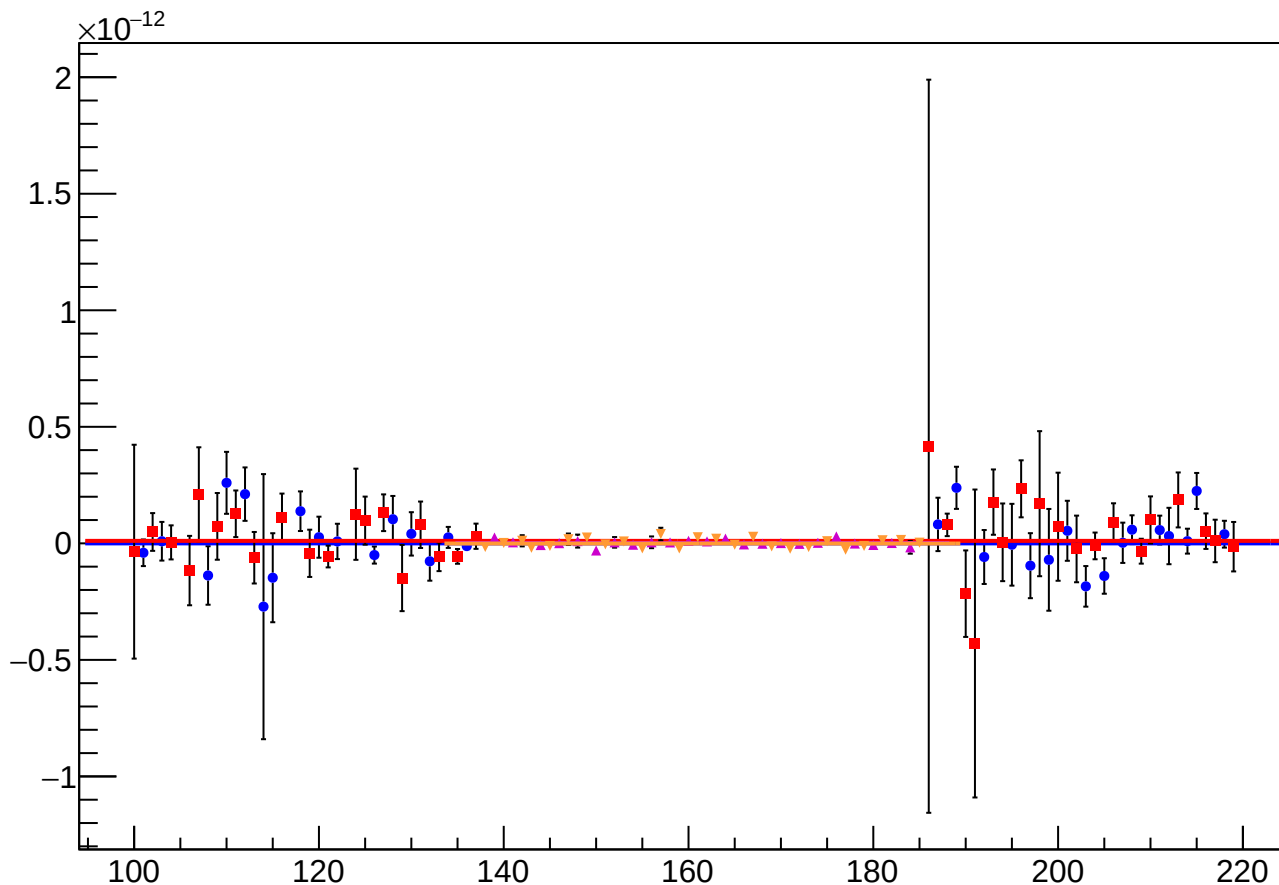
Left In: 335.787 $\pm$ 0.057 χ^2 /NDF:1291376.5/22

+ sign 405.291 $\pm$ 0.050 χ^2 /NDF: 14001394.2/56

All: 409.105 $\pm$ 0.036 χ^2 /NDF: 29611857.8/1

- sign 413.127 $\pm$ 0.052 χ^2 /NDF: 15598726.7/59

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 44.8/31

Left Out: -0.000+/-0.000 χ^2 /NDF: 33.3/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 32.5/36

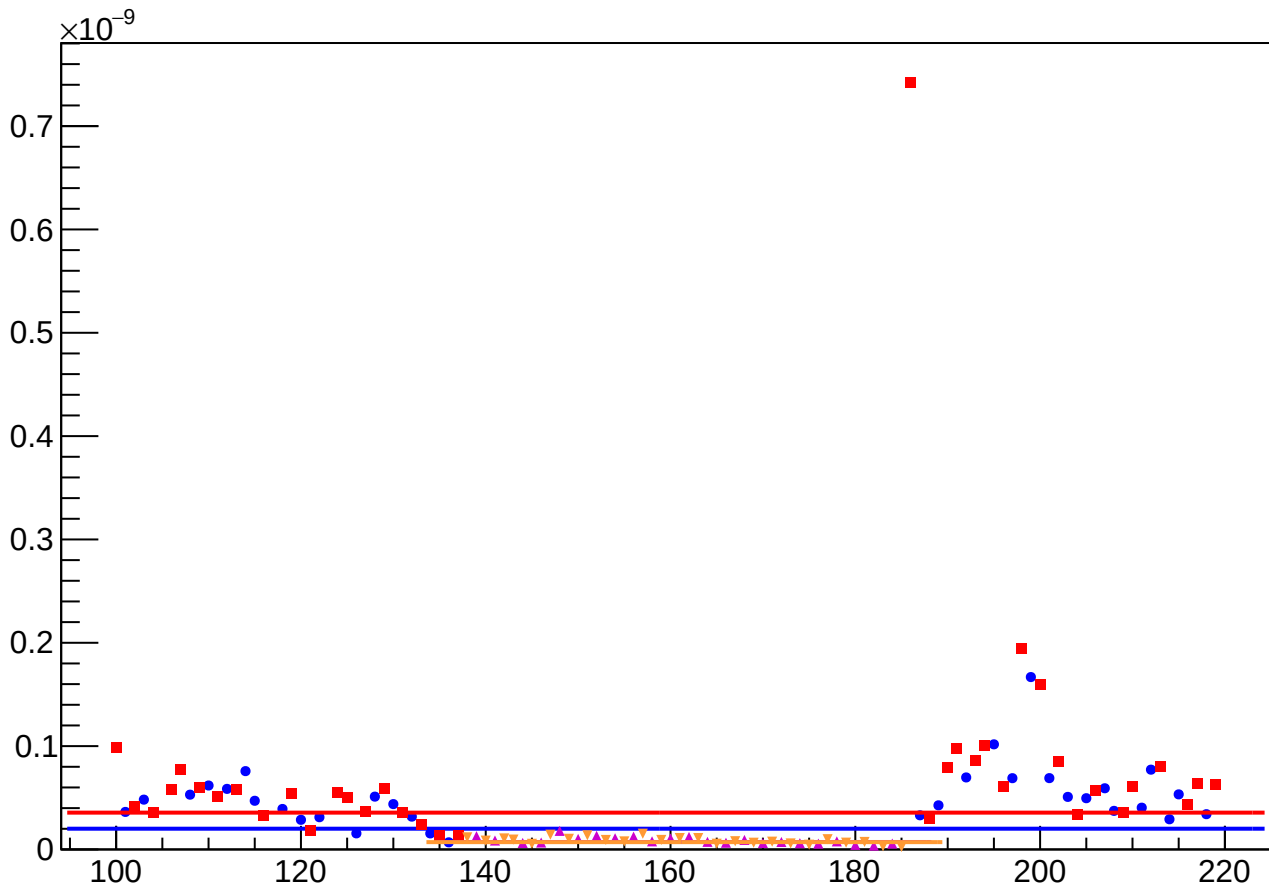
Left In: 0.000+/-0.000 χ^2 /NDF: 14.8/22

+ sign -0.000+/-0.000 χ^2 /NDF: 78.1/56

All: 0.000+/-0.000 χ^2 /NDF: 126.2/116

- sign 0.000+/-0.000 χ^2 /NDF: 47.7/59

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8542461.7/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2000233.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5623127.9/36

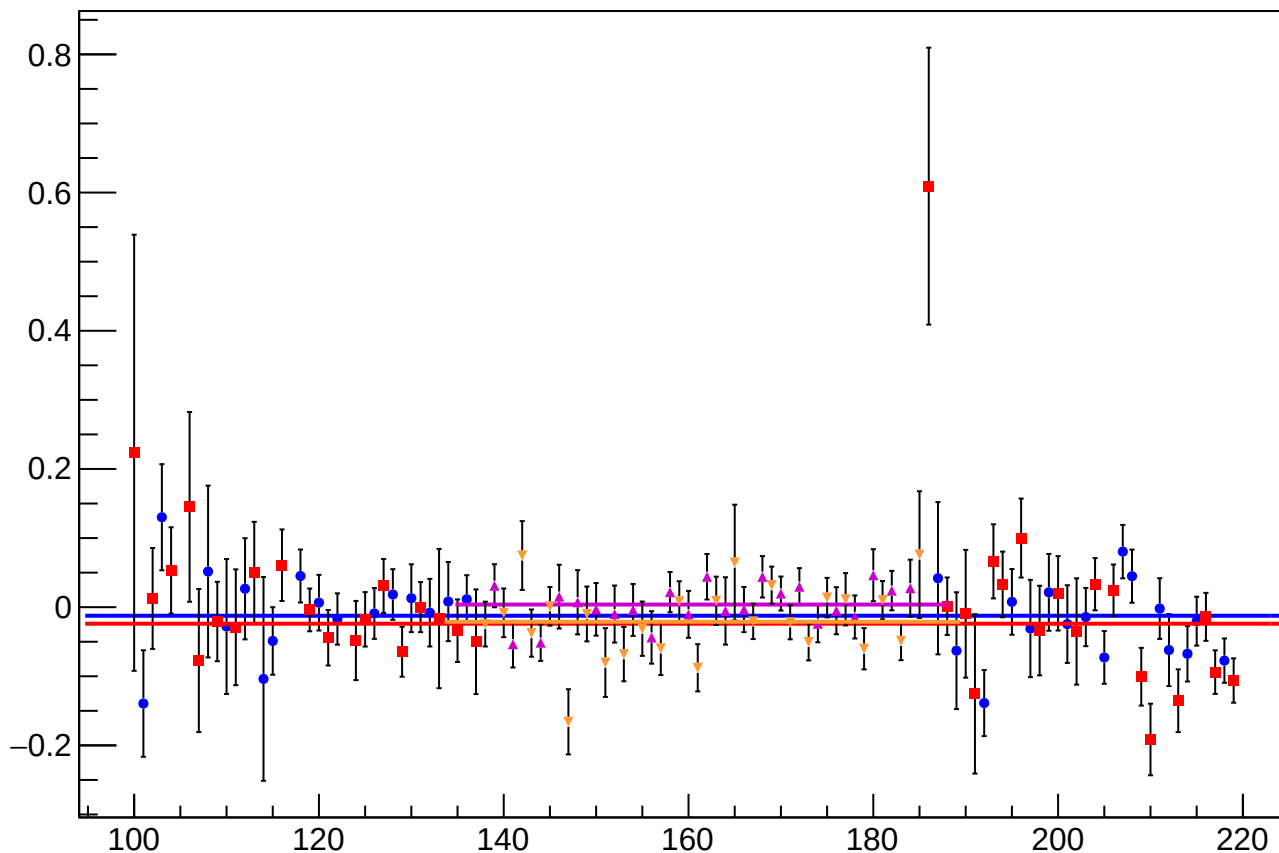
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1604062.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 14079790.0/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 29622361.6/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 15529618.9/59

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.012 ± 0.008 χ^2/NDF : 37.5/31

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.024 ± 0.008 χ^2/NDF : 68.8/36

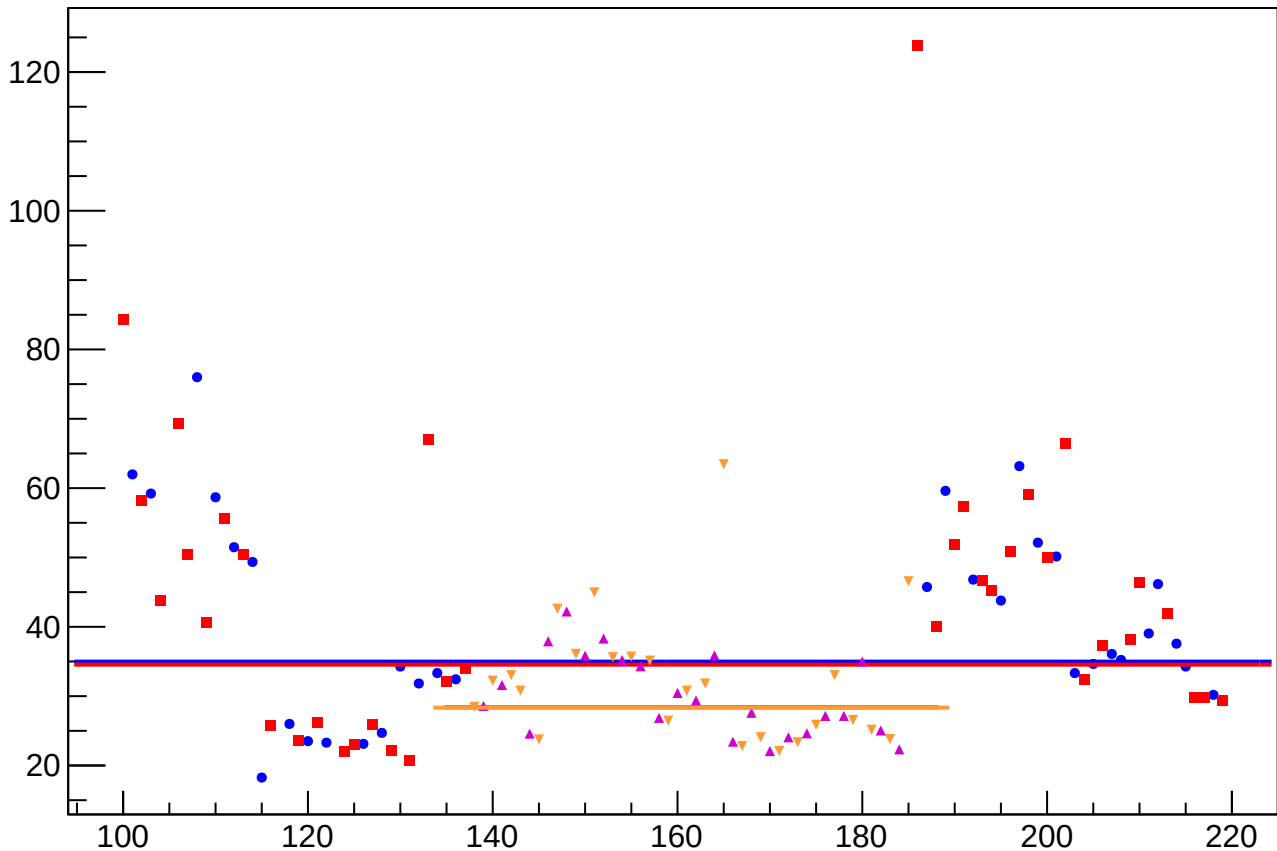
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.018 ± 0.005 χ^2/NDF : 75.3/56

All: -0.013 ± 0.004 χ^2/NDF : 171.5/116

- sign -0.008 ± 0.005 χ^2/NDF : 94.4/59

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.981 $\pm$ 0.006 χ^2 /NDF: 3196893.0/31

Left Out: 28.342 $\pm$ 0.005 χ^2 /NDF: 1733592.1/24

Right Out: 34.546 $\pm$ 0.006 χ^2 /NDF: 4287362.3/36

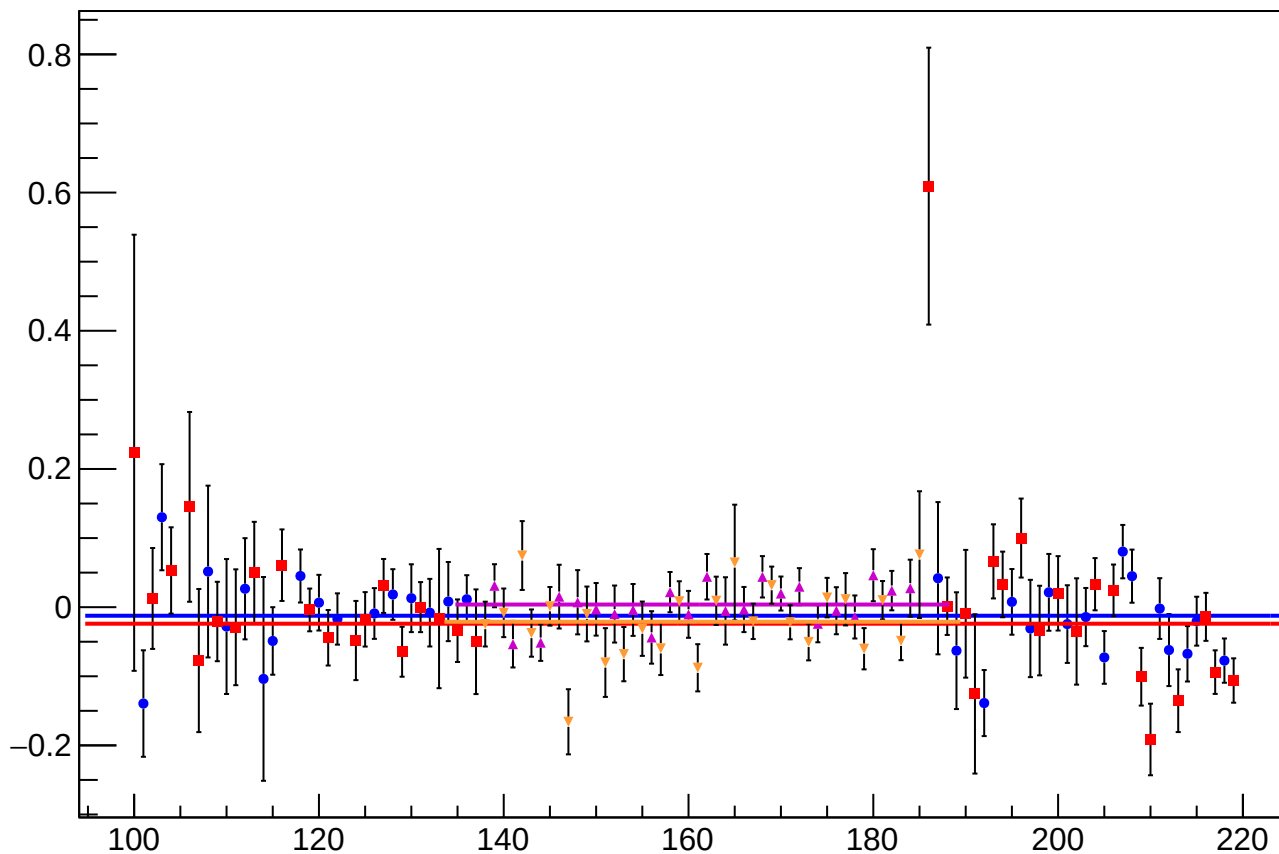
Left In: 28.389 $\pm$ 0.005 χ^2 /NDF: 1098849.1/22

+ sign 30.940 $\pm$ 0.004 χ^2 /NDF: 5705948.0/56

All: 30.961 $\pm$ 0.003 χ^2 /NDF: 11770599.6/116

- sign 30.982 $\pm$ 0.004 χ^2 /NDF: 6064586.1/59

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.012 ± 0.008 χ^2/NDF : 37.5/31

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.024 ± 0.008 χ^2/NDF : 68.8/36

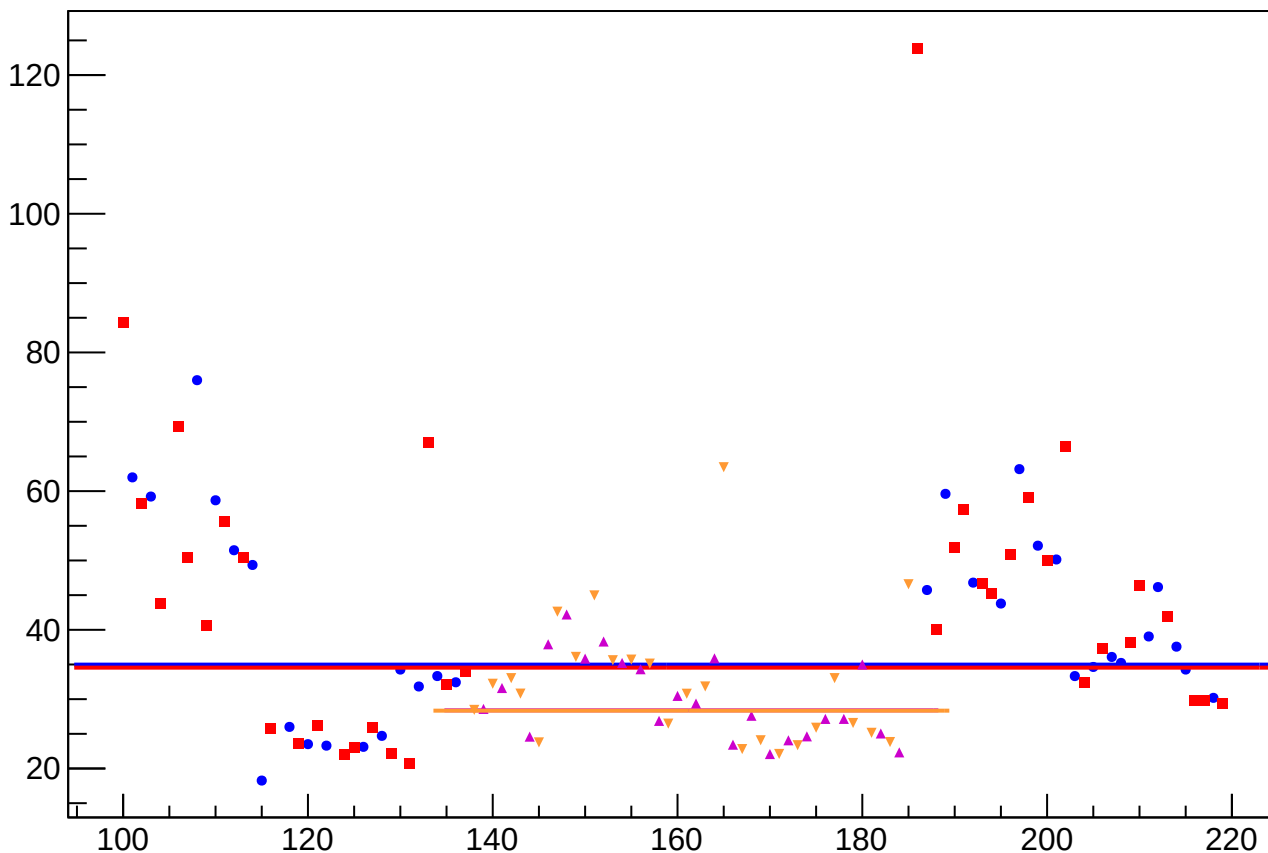
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.018 ± 0.005 χ^2/NDF : 75.3/56

All: -0.013 ± 0.004 χ^2/NDF : 171.5/116

- sign -0.008 ± 0.005 χ^2/NDF : 94.4/59

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.981 $\pm$ 0.006 χ^2 /NDF: 3196893.0/31

Left Out: 28.342 $\pm$ 0.005 χ^2 /NDF: 1733592.1/24

Right Out: 34.546 $\pm$ 0.006 χ^2 /NDF: 4287362.3/36

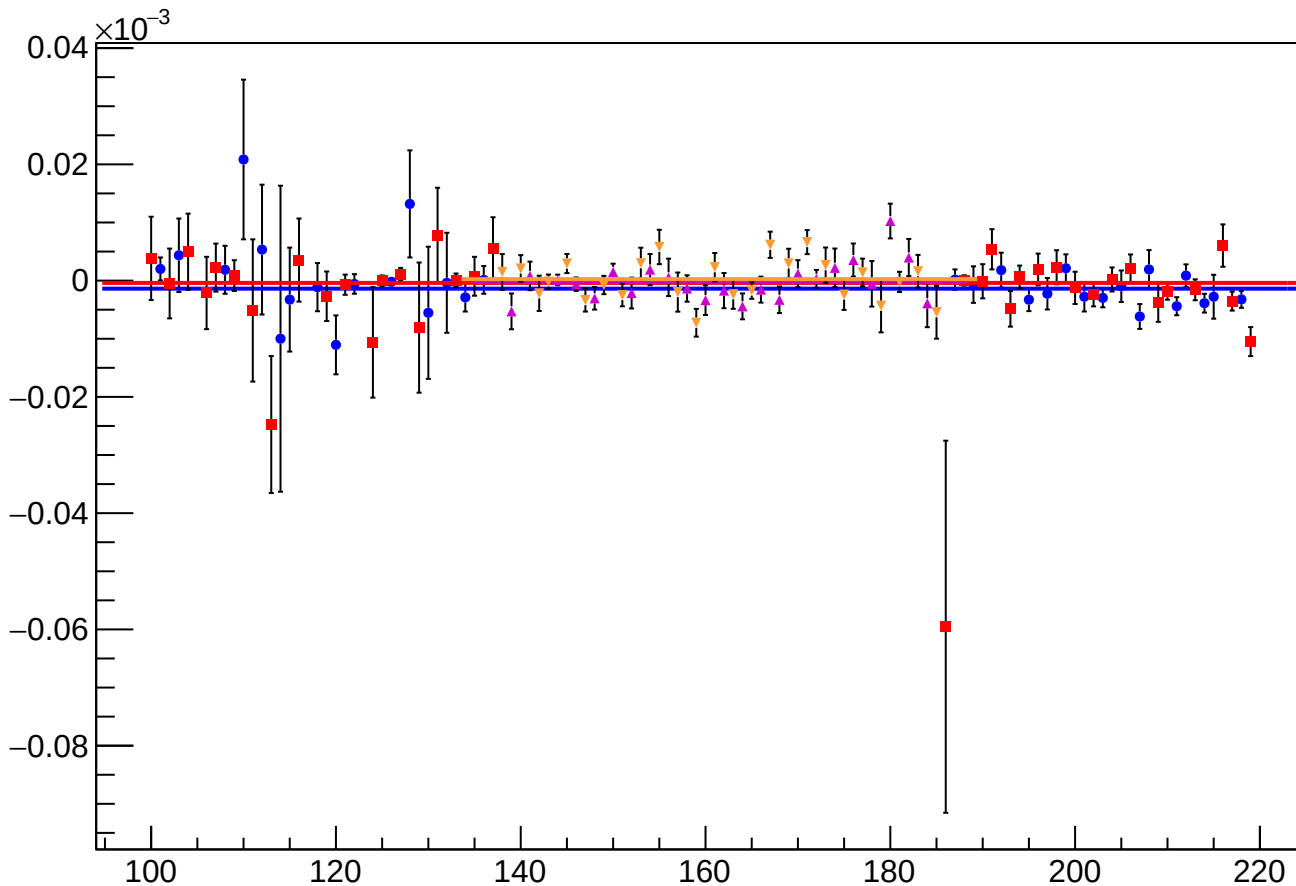
Left In: 28.389 $\pm$ 0.005 χ^2 /NDF: 1098849.1/22

+ sign 30.940 $\pm$ 0.004 χ^2 /NDF: 5705948.0/56

All: 30.961 $\pm$ 0.003 χ^2 /NDF: 11770599.6/116

- sign 30.982 $\pm$ 0.004 χ^2 /NDF: 6064586.1/59

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 38.6/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 50.8/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 51.6/36

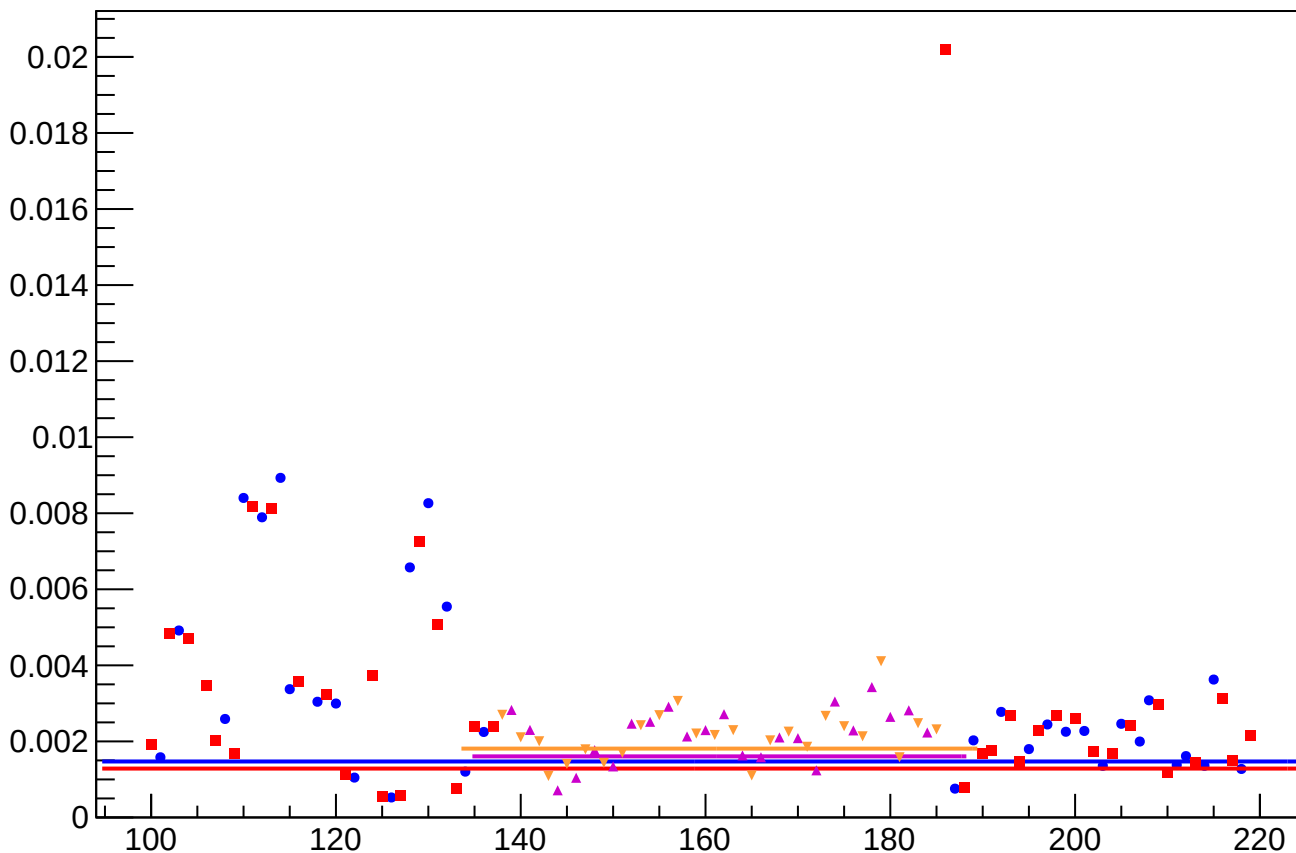
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 97.1/56

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 182.6/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 84.9/59

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 10459692.3/31

Left Out: 0.002+/-0.000 χ^2/NDF : 3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 12488221.3/36

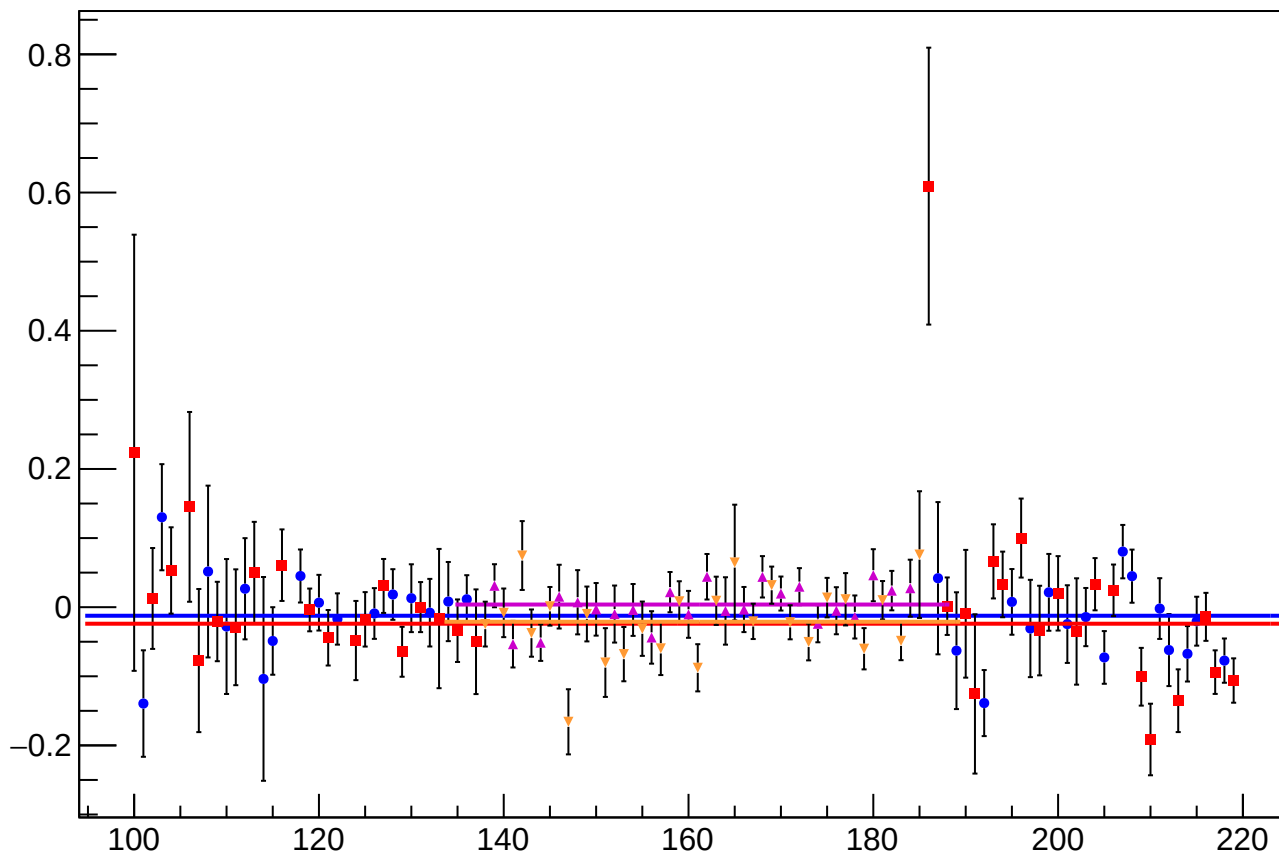
Left In: 0.002+/-0.000 χ^2/NDF : 6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF : 14554346.8/56

All: 0.002+/-0.000 χ^2/NDF : 34309145.3/116

- sign 0.001+/-0.000 χ^2/NDF : 19202562.3/59

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.012 ± 0.008 χ^2/NDF : 37.5/31

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.024 ± 0.008 χ^2/NDF : 68.8/36

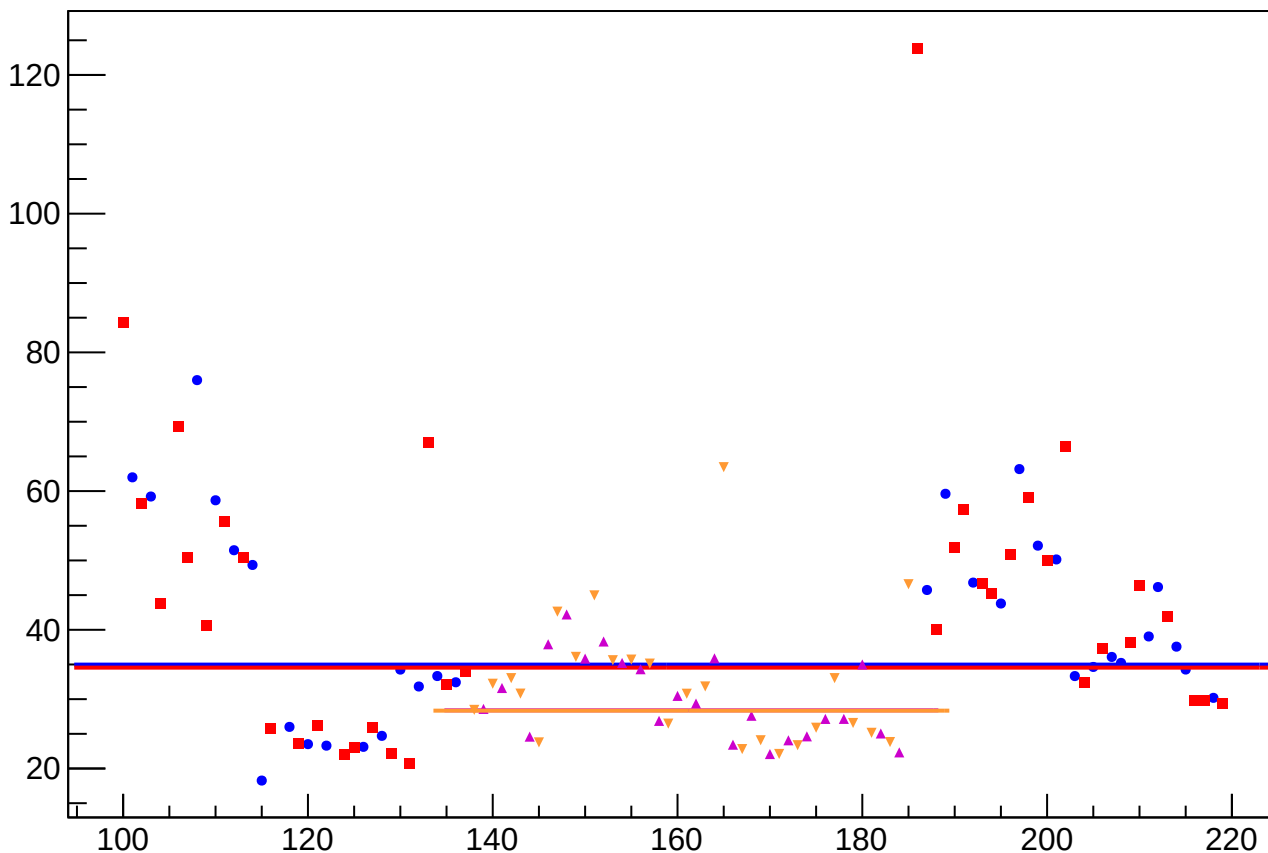
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.018 ± 0.005 χ^2/NDF : 75.3/56

All: -0.013 ± 0.004 χ^2/NDF : 171.5/116

- sign -0.008 ± 0.005 χ^2/NDF : 94.4/59

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.981+/-0.006 χ^2/NDF : 3196761.7/31

Left Out: 28.342+/-0.005 χ^2/NDF : 1733585.3/24

Right Out: 34.545+/-0.006 χ^2/NDF : 4287466.0/36

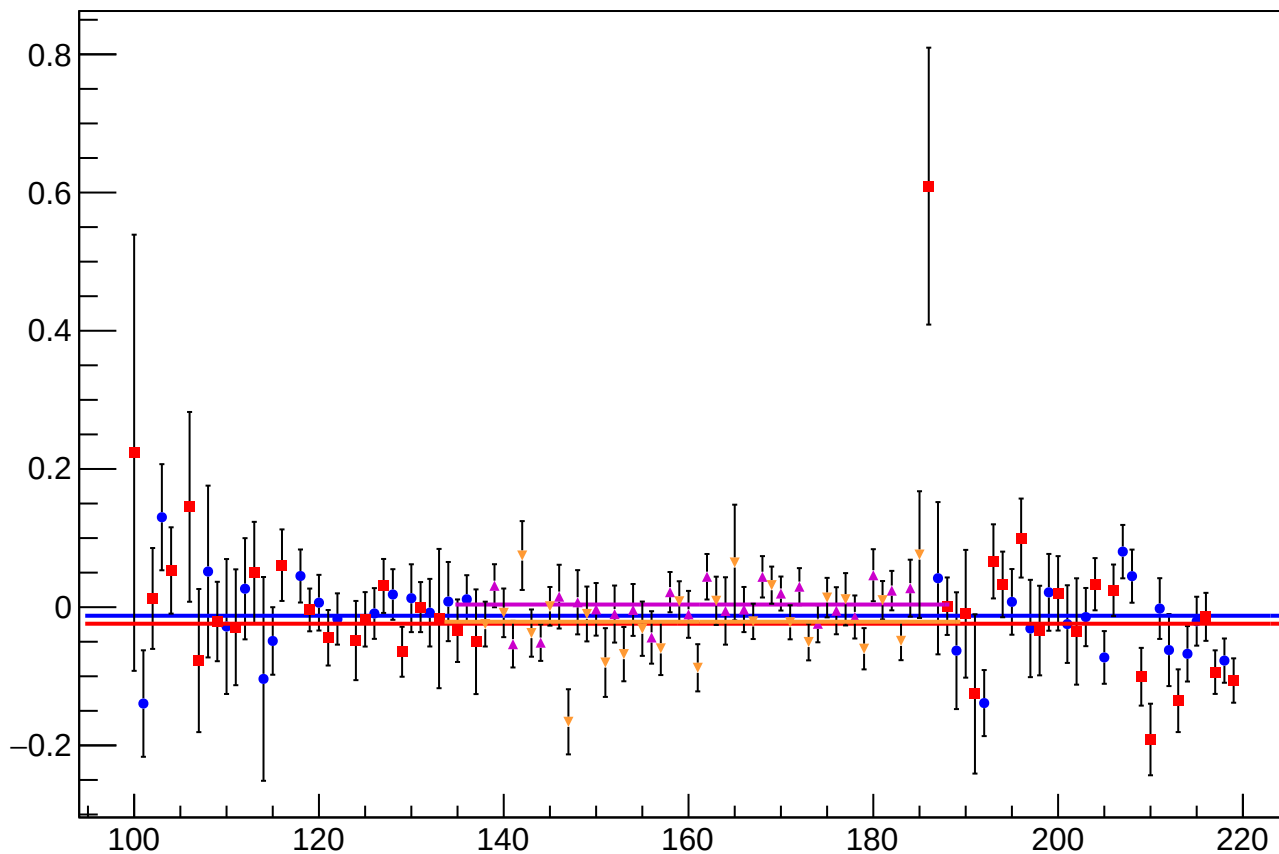
Left In: 28.389+/-0.005 χ^2/NDF : 1098852.1/22

+ sign 30.940+/-0.004 χ^2/NDF : 5705800.9/56

All: 30.961+/-0.003 χ^2/NDF : 11770434.7/116

- sign 30.982+/-0.004 χ^2/NDF : 6064568.3/59

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.012 ± 0.008 χ^2/NDF : 37.5/31

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.024 ± 0.008 χ^2/NDF : 68.8/36

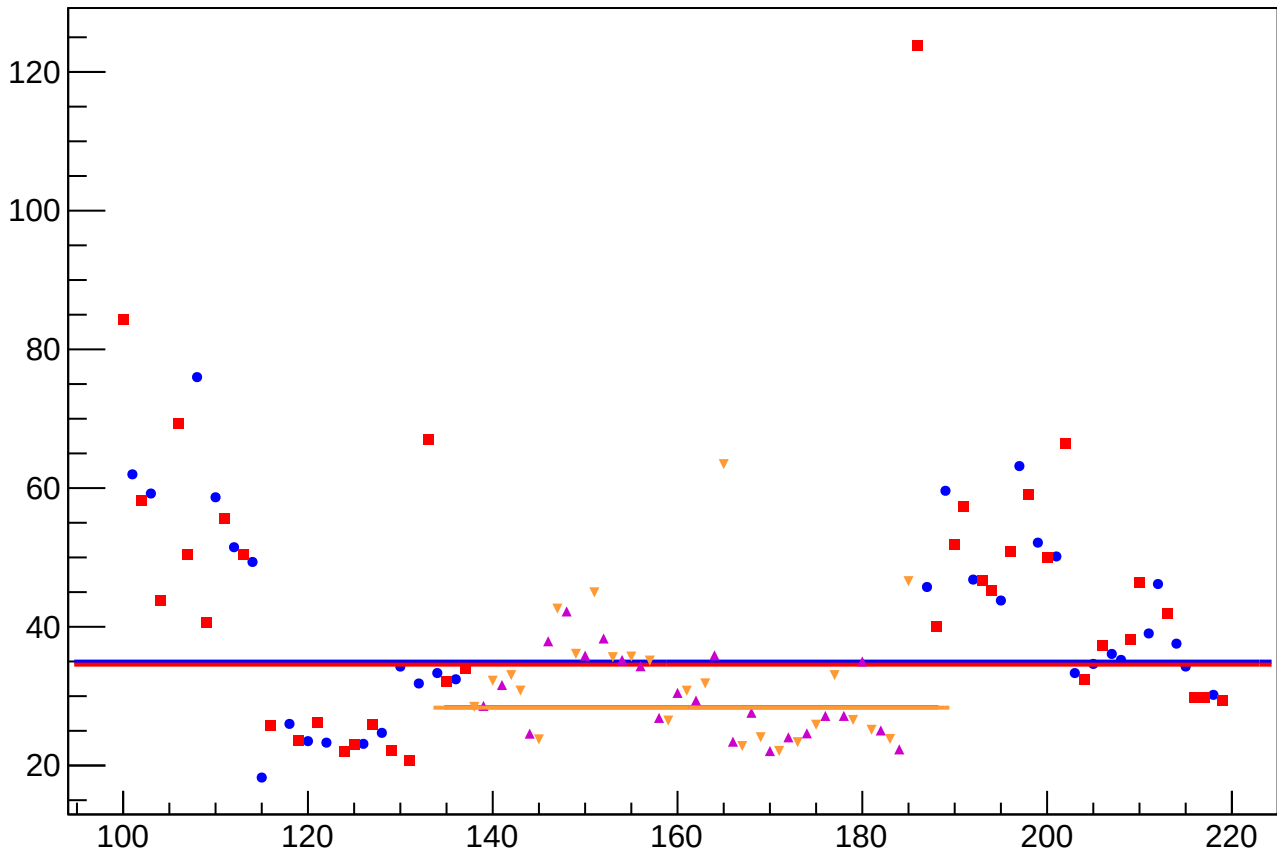
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.018 ± 0.005 χ^2/NDF : 75.3/56

All: -0.013 ± 0.004 χ^2/NDF : 171.5/116

- sign -0.008 ± 0.005 χ^2/NDF : 94.4/59

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.981+/-0.006 χ^2/NDF : 3196761.7/31

Left Out: 28.342+/-0.005 χ^2/NDF : 1733585.3/24

Right Out: 34.545+/-0.006 χ^2/NDF : 4287466.0/36

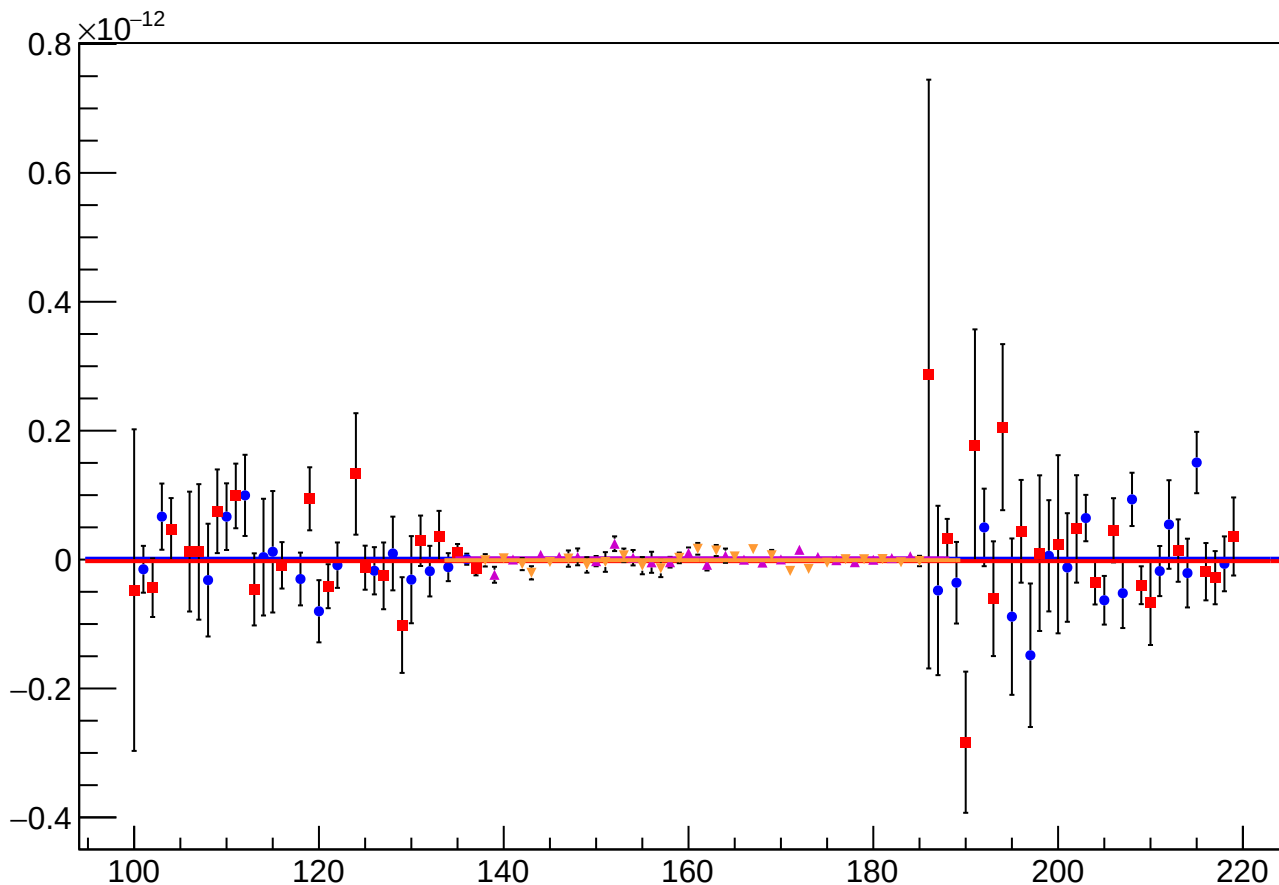
Left In: 28.389+/-0.005 χ^2/NDF : 1098852.1/22

+ sign 30.940+/-0.004 χ^2/NDF : 5705800.9/56

All: 30.961+/-0.003 χ^2/NDF : 11770434.7/116

- sign 30.982+/-0.004 χ^2/NDF : 6064568.3/59

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 37.0/31

Left Out: -0.000+/-0.000 χ^2/NDF : 34.1/24

Right Out: -0.000+/-0.000 χ^2/NDF : 40.0/36

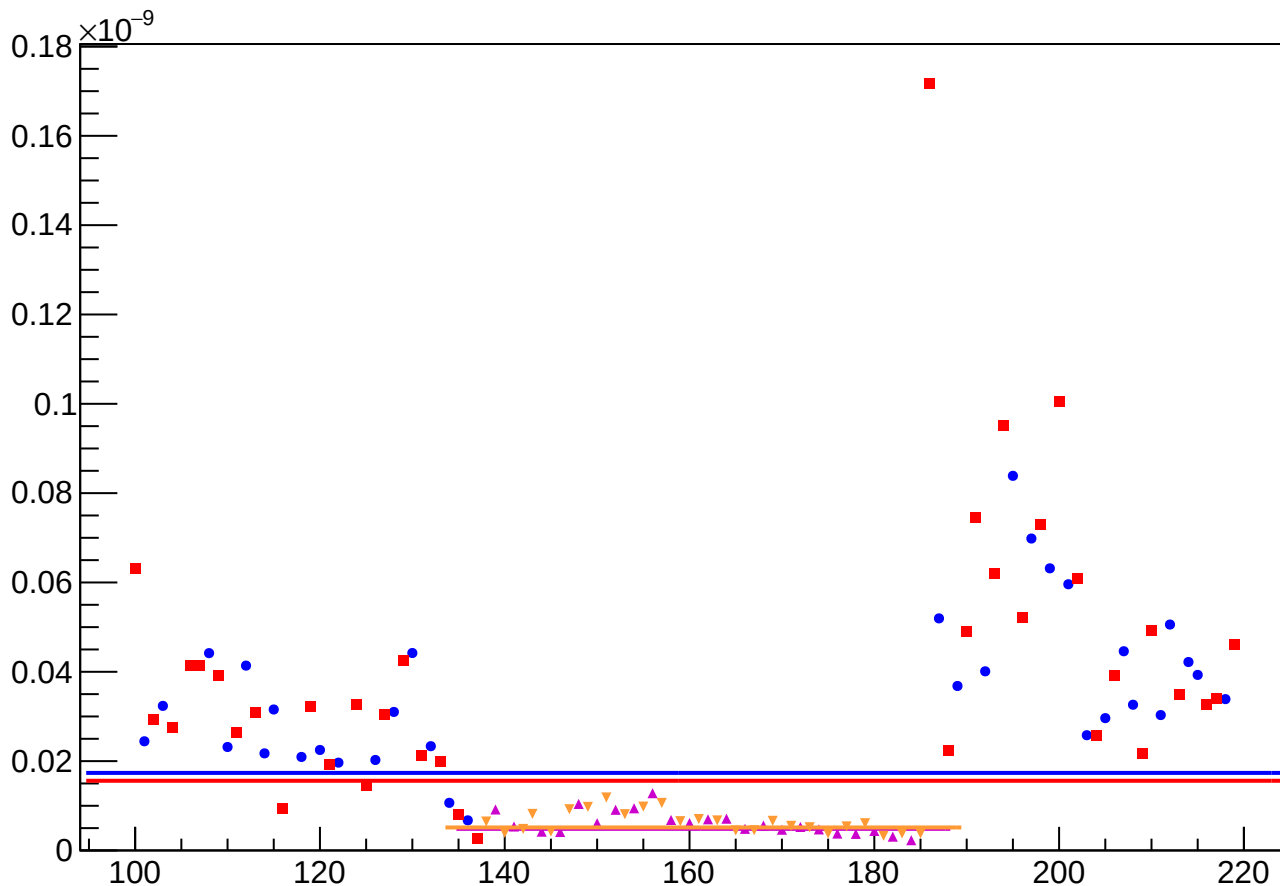
Left In: 0.000+/-0.000 χ^2/NDF : 19.5/22

+ sign -0.000+/-0.000 χ^2/NDF : 71.2/56

All: 0.000+/-0.000 χ^2/NDF : 132.9/116

- sign 0.000+/-0.000 χ^2/NDF : 60.1/59

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10247359.0/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3035355.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12938916.0/36

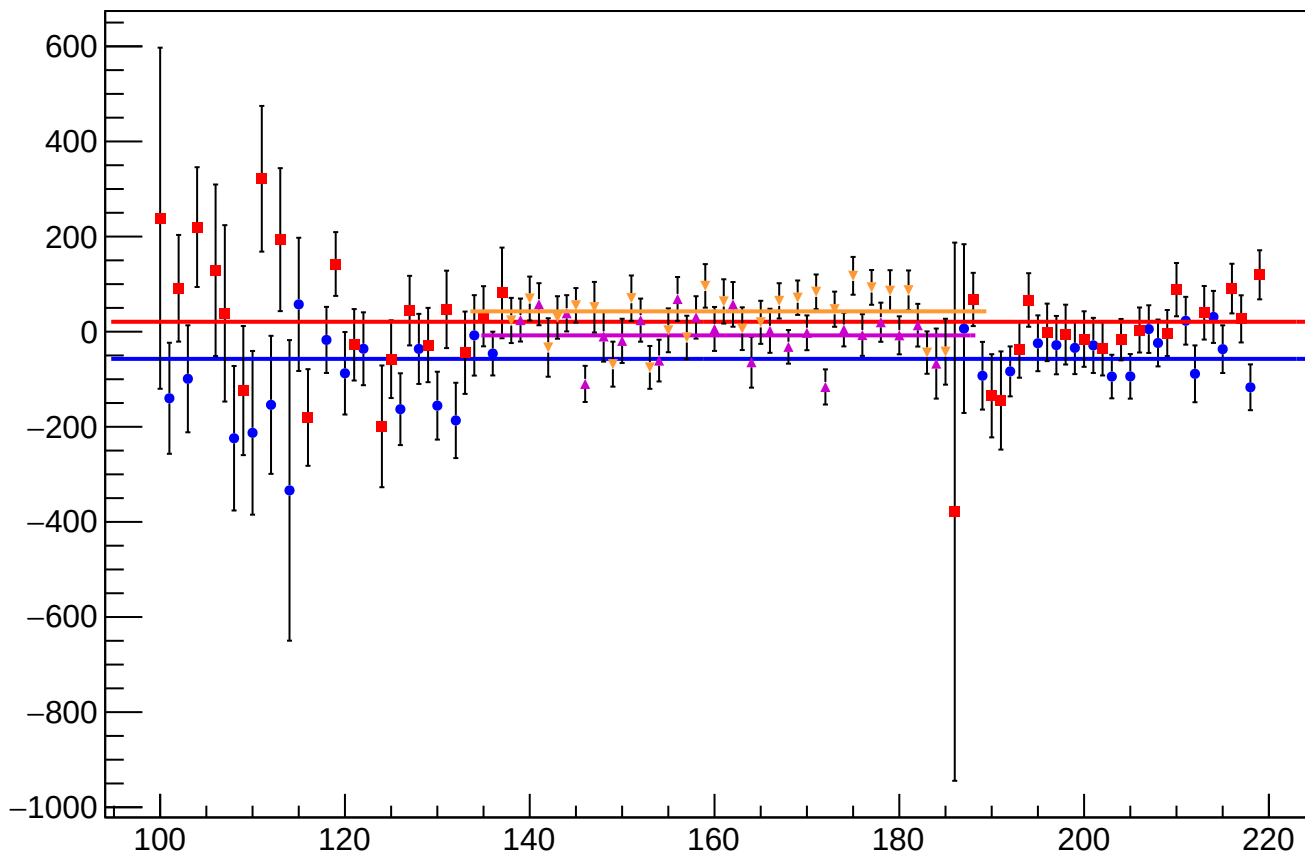
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3040812.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20933656.9/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43275392.1/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22272920.3/59

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -57.183 ± 11.522 $\chi^2/\text{NDF}: 24.1/31$

Left Out: 42.765 ± 8.698 $\chi^2/\text{NDF}: 34.7/24$

Right Out: 20.837 ± 11.528 $\chi^2/\text{NDF}: 41.5/36$

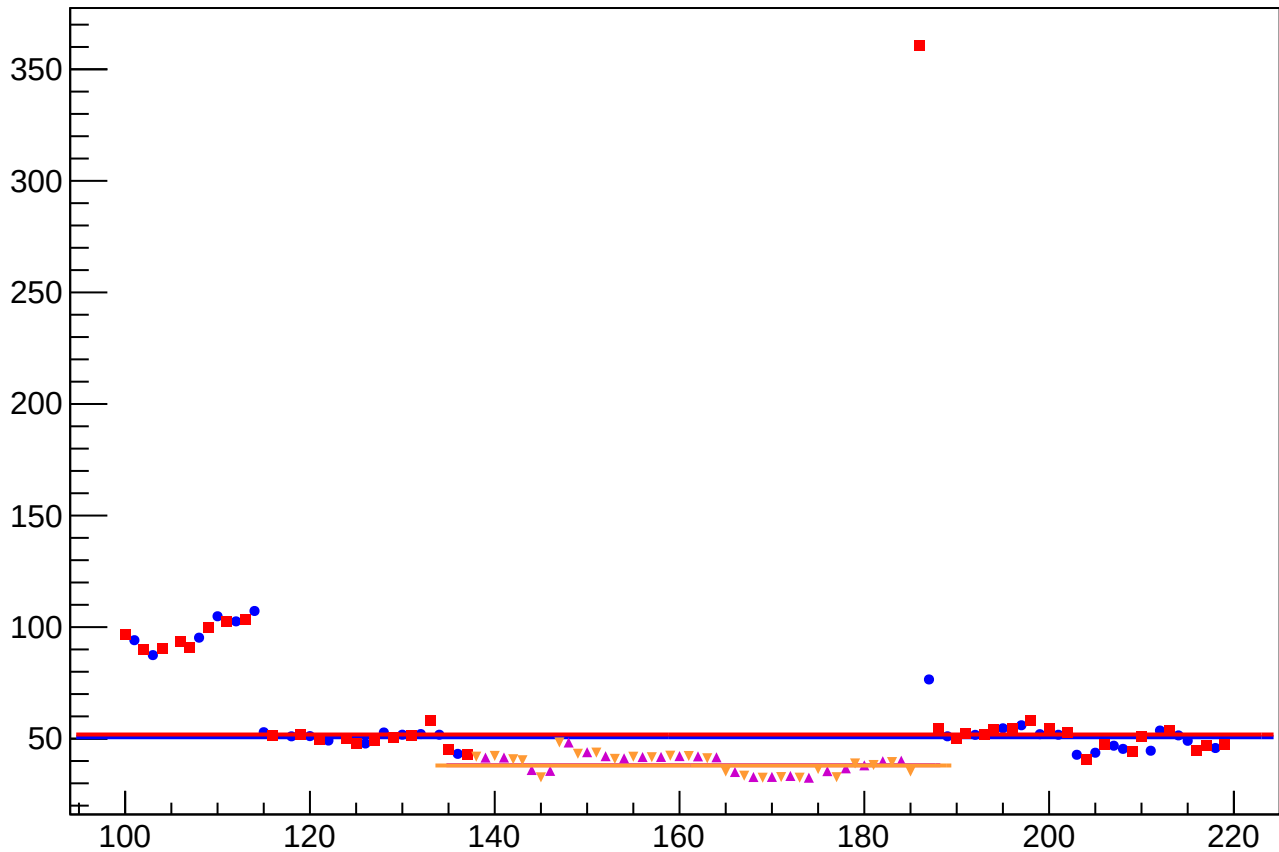
Left In: -7.783 ± 8.974 $\chi^2/\text{NDF}: 30.6/22$

+ sign 6.482 ± 6.942 $\chi^2/\text{NDF}: 106.8/56$

All: 4.784 ± 4.957 $\chi^2/\text{NDF}: 182.8/116$

- sign 3.016 ± 7.082 $\chi^2/\text{NDF}: 75.9/59$

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 50.652 $\pm$ 0.008 χ^2 /NDF: 1505792.6/31

Left Out: 37.990 $\pm$ 0.006 χ^2 /NDF: 513605.5/24

Right Out: 51.875 $\pm$ 0.008 χ^2 /NDF: 2320025.2/36

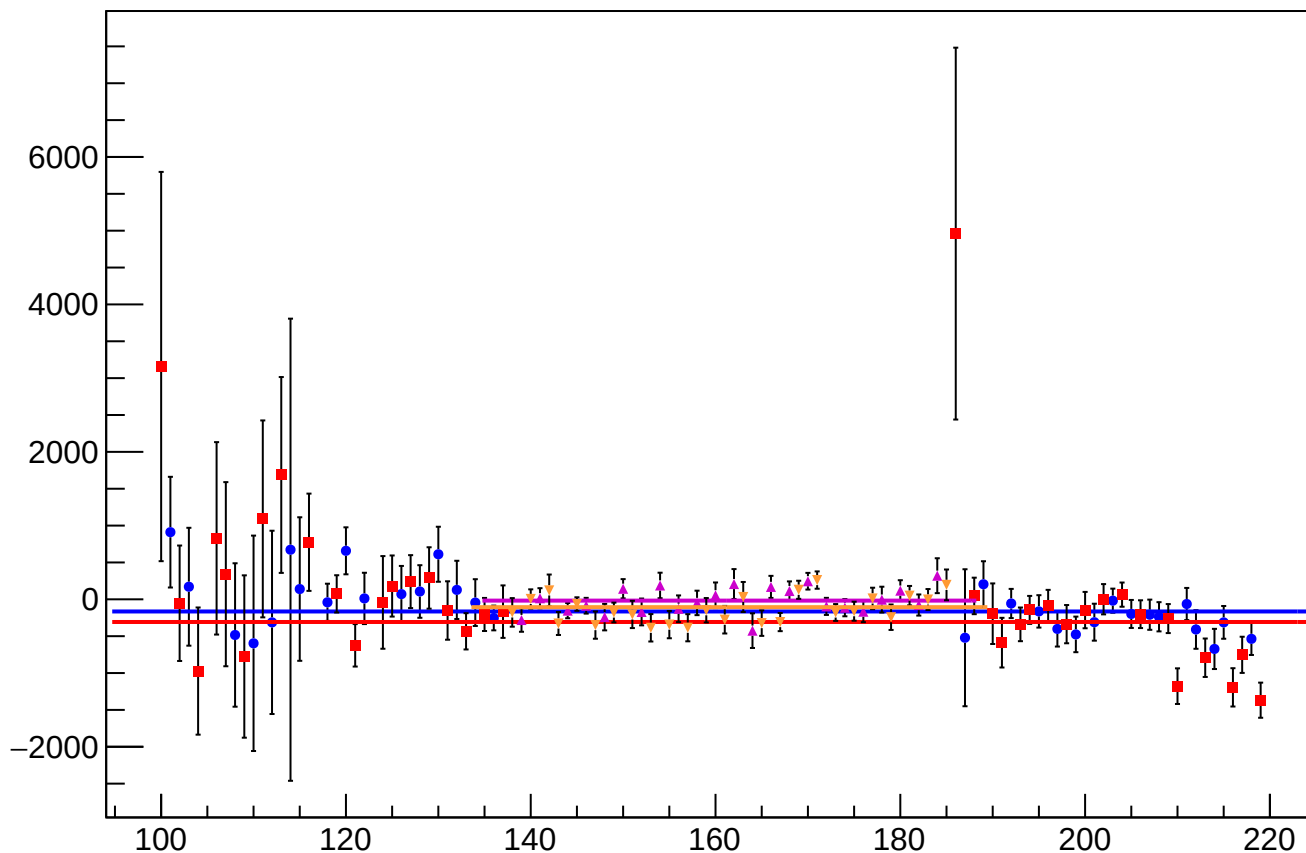
Left In: 38.133 $\pm$ 0.006 χ^2 /NDF: 428309.7/22

+ sign 42.586 $\pm$ 0.005 χ^2 /NDF: 3557953.4/56

All: 42.945 $\pm$ 0.004 χ^2 /NDF: 8086898.4/116

- sign 43.318 $\pm$ 0.005 χ^2 /NDF: 4518043.7/59

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: -164.869 ± 48.381 χ^2/NDF : 29.8/31

Left Out: -106.506 ± 29.563 χ^2/NDF : 37.6/24

Right Out: -307.447 ± 47.942 χ^2/NDF : 88.2/36

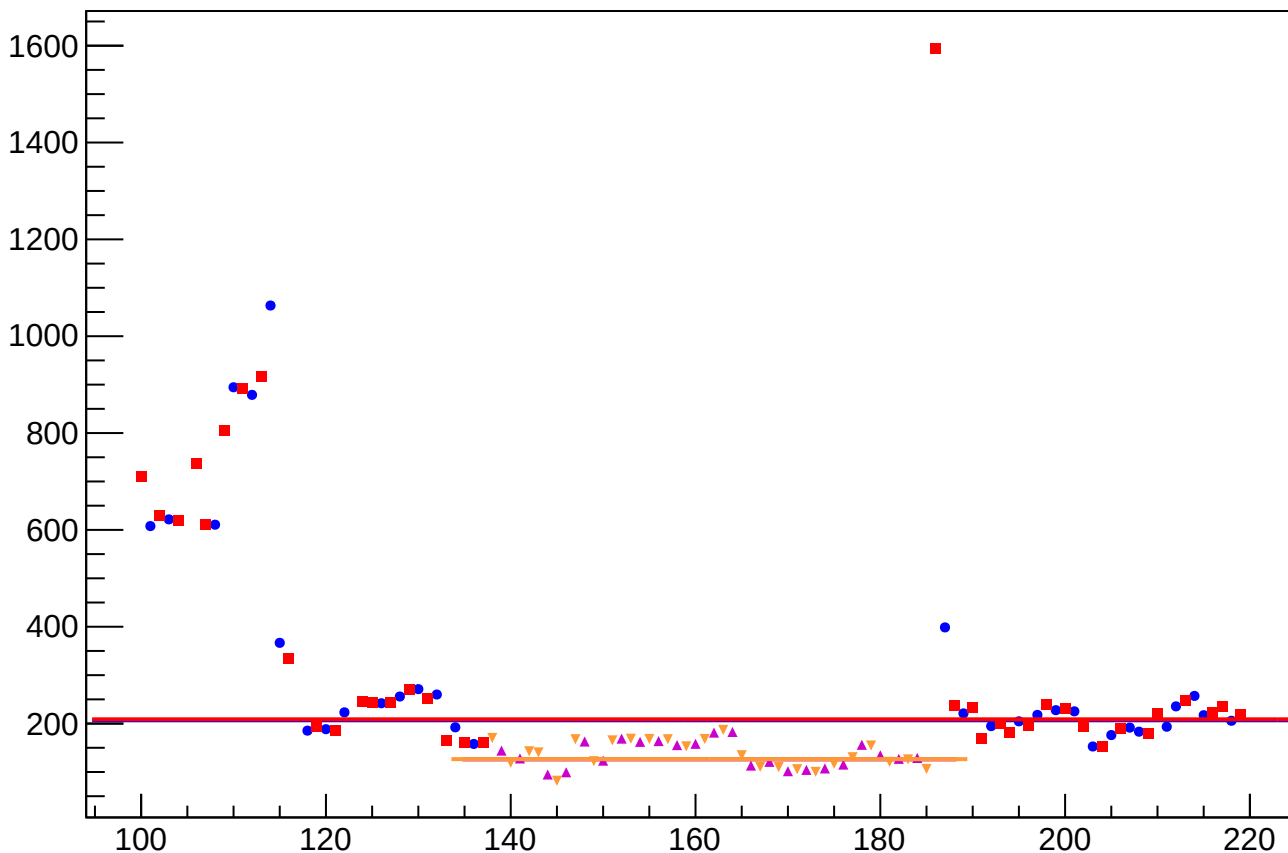
Left In: -17.517 ± 30.185 χ^2/NDF : 28.2/22

+ sign -122.373 ± 25.226 χ^2/NDF : 68.5/56

All: -111.240 ± 17.949 χ^2/NDF : 211.5/116

- sign -99.824 ± 25.544 χ^2/NDF : 142.6/59

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 206.818 $\pm$ 0.034 χ^2 /NDF: 3577939.9/31

Left Out: 126.561 $\pm$ 0.021 χ^2 /NDF:1758158.3/24

Right Out: 208.775 $\pm$ 0.034 χ^2 /NDF: 4863141.0/36

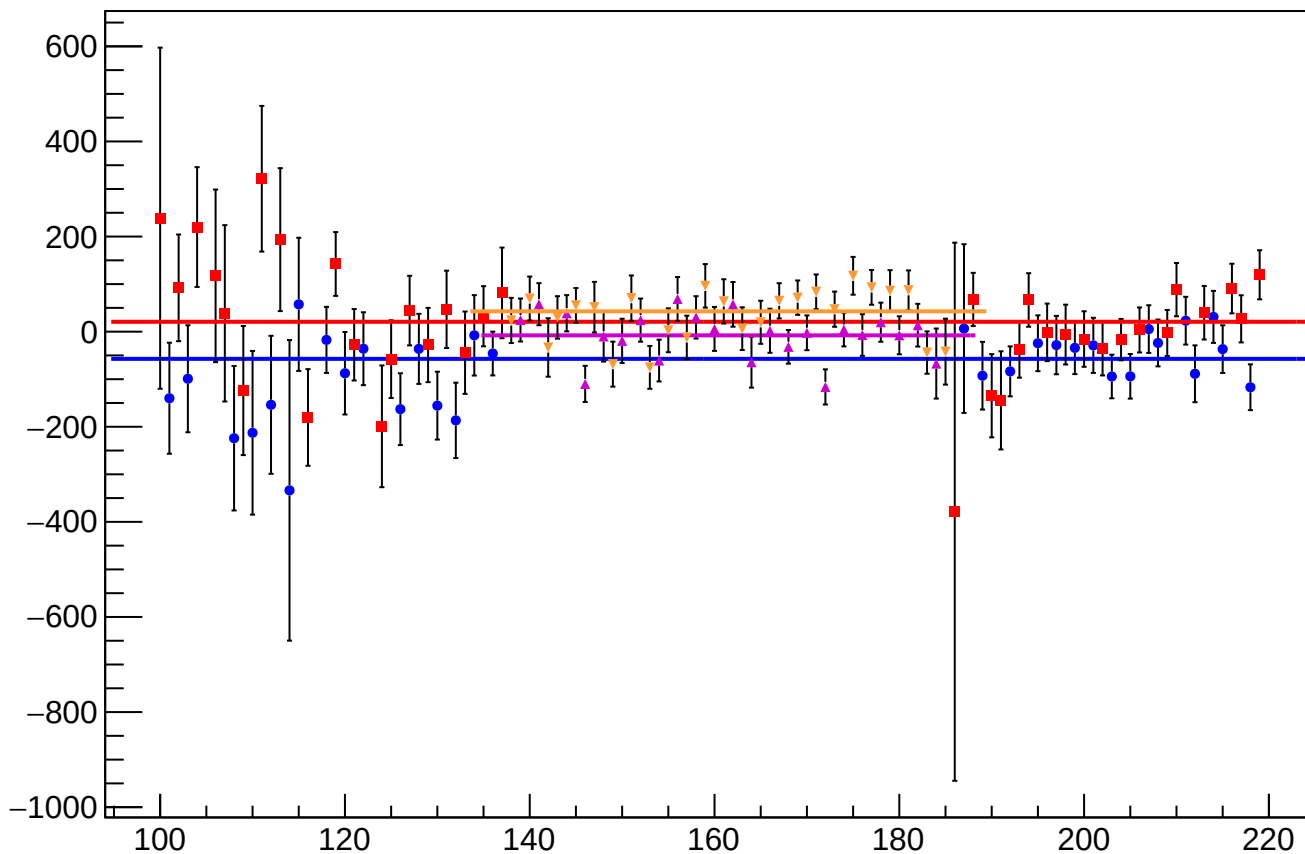
Left In: 126.013 $\pm$ 0.021 χ^2 /NDF:1410655.7/22

+ sign 148.380 $\pm$ 0.018 χ^2 /NDF: 9343439.6/56

All: 148.937 $\pm$ 0.013 χ^2 /NDF: 19887385.6/11

- sign 149.508 $\pm$ 0.018 χ^2 /NDF: 10541971.4/59

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -57.181 ± 11.522 χ^2/NDF : 24.1/31

Left Out: 42.767 ± 8.698 χ^2/NDF : 34.7/24

Right Out: 20.793 ± 11.528 χ^2/NDF : 41.4/36

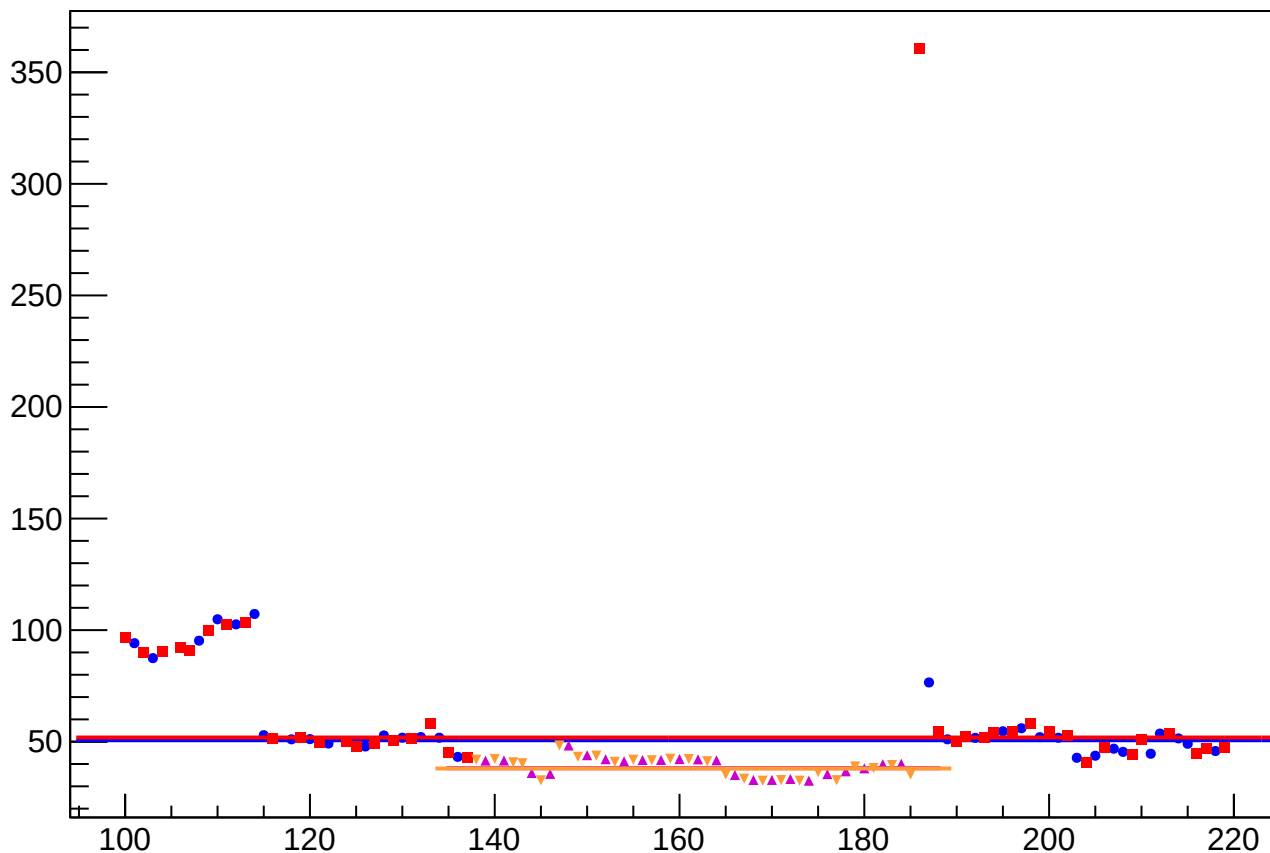
Left In: -7.785 ± 8.974 χ^2/NDF : 30.6/22

+ sign 6.484 ± 6.942 χ^2/NDF : 106.8/56

All: 4.776 ± 4.957 χ^2/NDF : 182.7/116

- sign 2.999 ± 7.082 χ^2/NDF : 75.9/59

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.652+/-0.008 χ^2/NDF : 1505792.9/31

Left Out: 37.990+/-0.006 χ^2/NDF : 513605.5/24

Right Out: 51.867+/-0.008 χ^2/NDF : 2311258.8/36

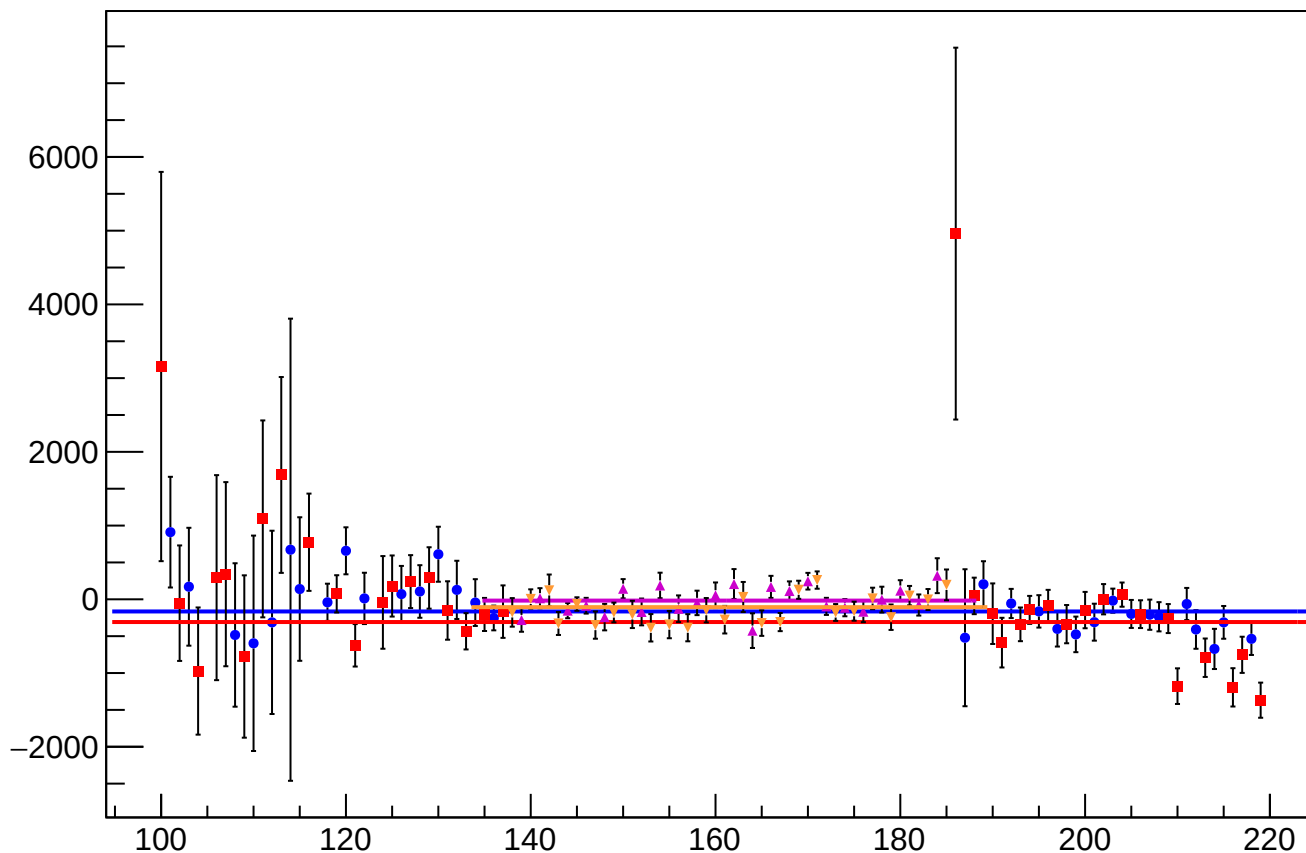
Left In: 38.133+/-0.006 χ^2/NDF : 428309.7/22

+ sign 42.586+/-0.005 χ^2/NDF : 3557953.6/56

All: 42.944+/-0.004 χ^2/NDF : 8075872.4/116

- sign 43.315+/-0.005 χ^2/NDF : 4507114.4/59

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: -164.867 $\pm$ 48.381 χ^2/NDF : 29.8/31

Left Out: -106.505 $\pm$ 29.563 χ^2/NDF : 37.6/24

Right Out: -308.255 $\pm$ 47.945 χ^2/NDF : 87.6/36

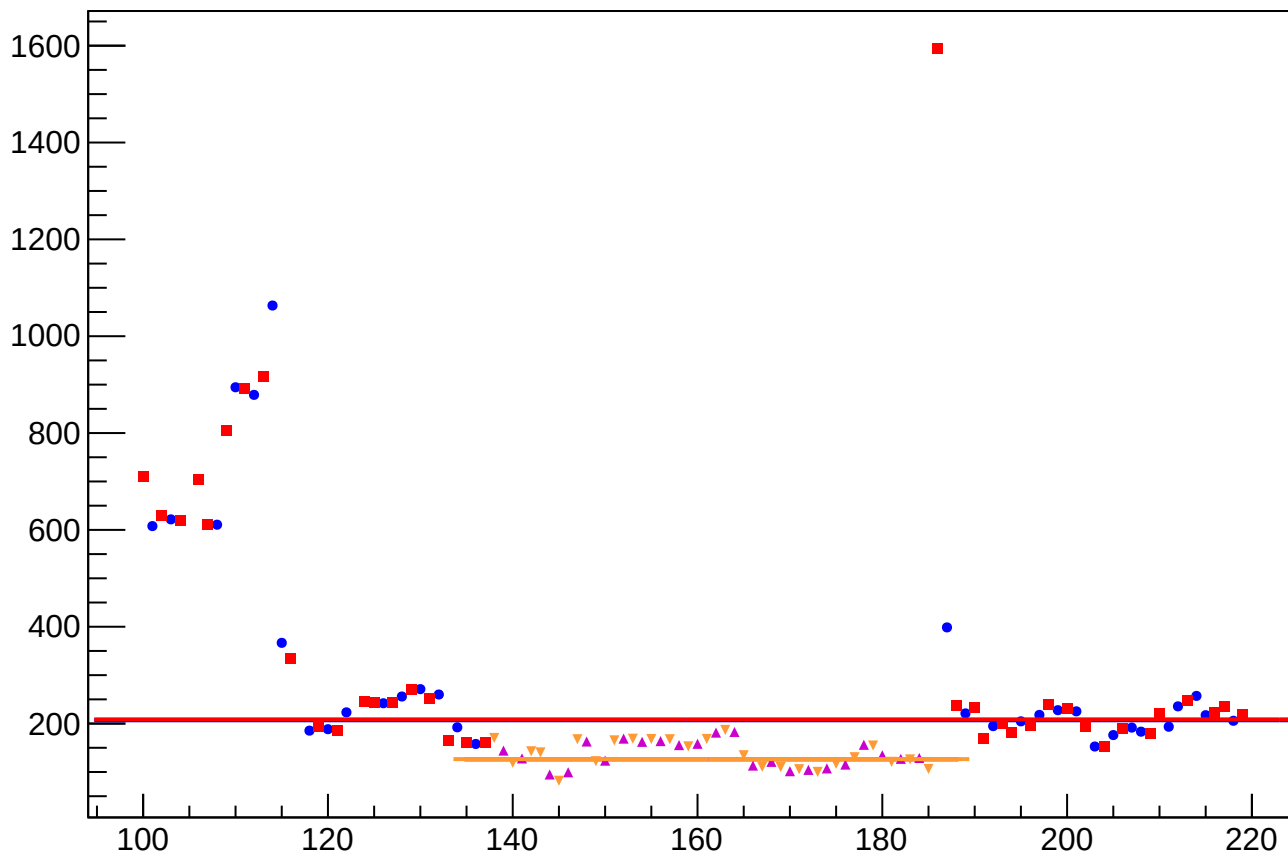
Left In: -17.517 $\pm$ 30.185 χ^2/NDF : 28.2/22

+ sign -122.372 $\pm$ 25.227 χ^2/NDF : 68.5/56

All: -111.348 $\pm$ 17.949 χ^2/NDF : 211.0/116

- sign -100.044 $\pm$ 25.544 χ^2/NDF : 142.2/59

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 206.818 $\pm$ 0.034 χ^2 /NDF: 3577948.7/31

Left Out: 126.561 $\pm$ 0.021 χ^2 /NDF:1758151.9/24

Right Out: 208.652 $\pm$ 0.034 χ^2 /NDF: 4790545.4/36

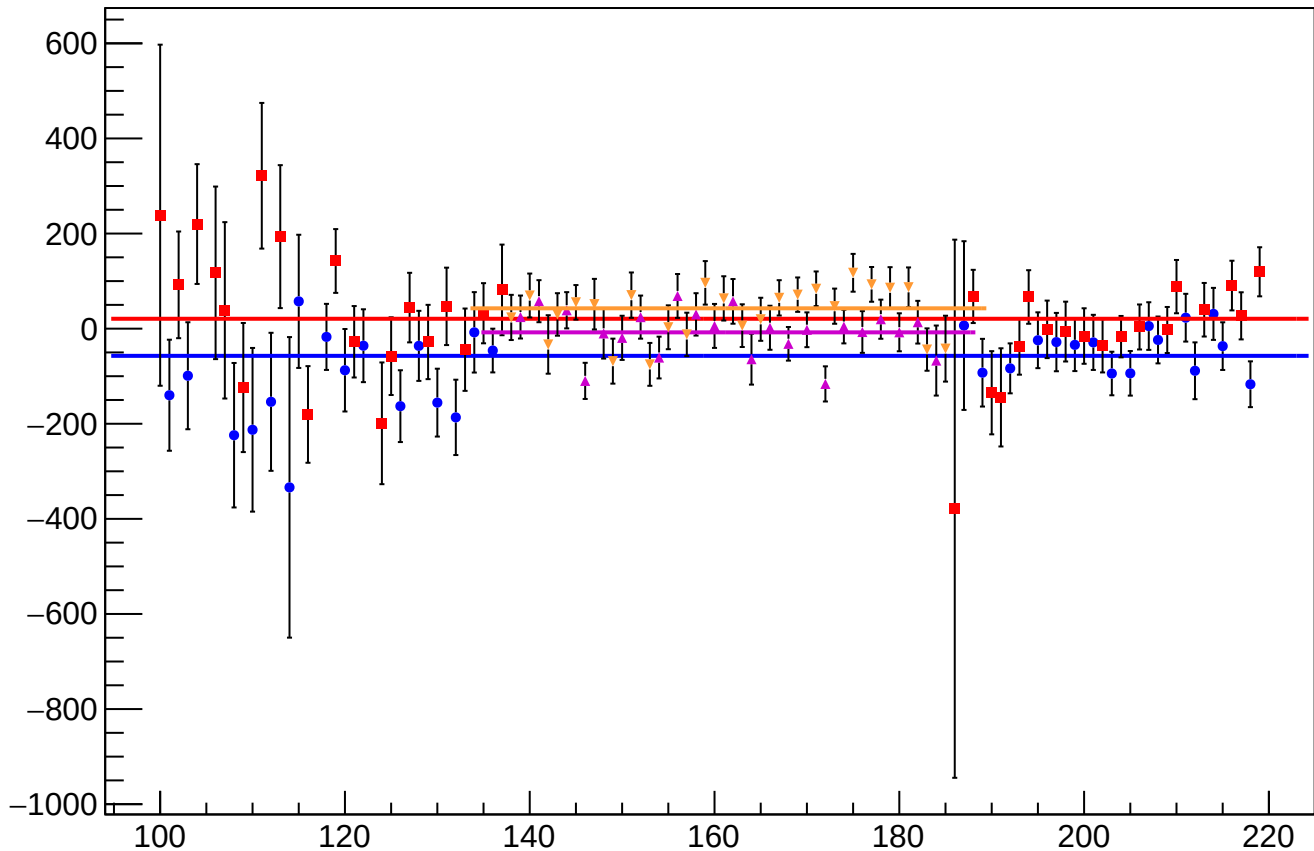
Left In: 126.013 $\pm$ 0.021 χ^2 /NDF:1410664.0/22

+ sign 148.380 $\pm$ 0.018 χ^2 /NDF: 9343435.0/56

All: 148.919 $\pm$ 0.013 χ^2 /NDF: 19801484.5/11

- sign 149.471 $\pm$ 0.018 χ^2 /NDF: 10456205.2/59

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -57.181 ± 11.522 χ^2/NDF : 24.1/31

Left Out: 42.767 ± 8.698 χ^2/NDF : 34.7/24

Right Out: 20.793 ± 11.528 χ^2/NDF : 41.4/36

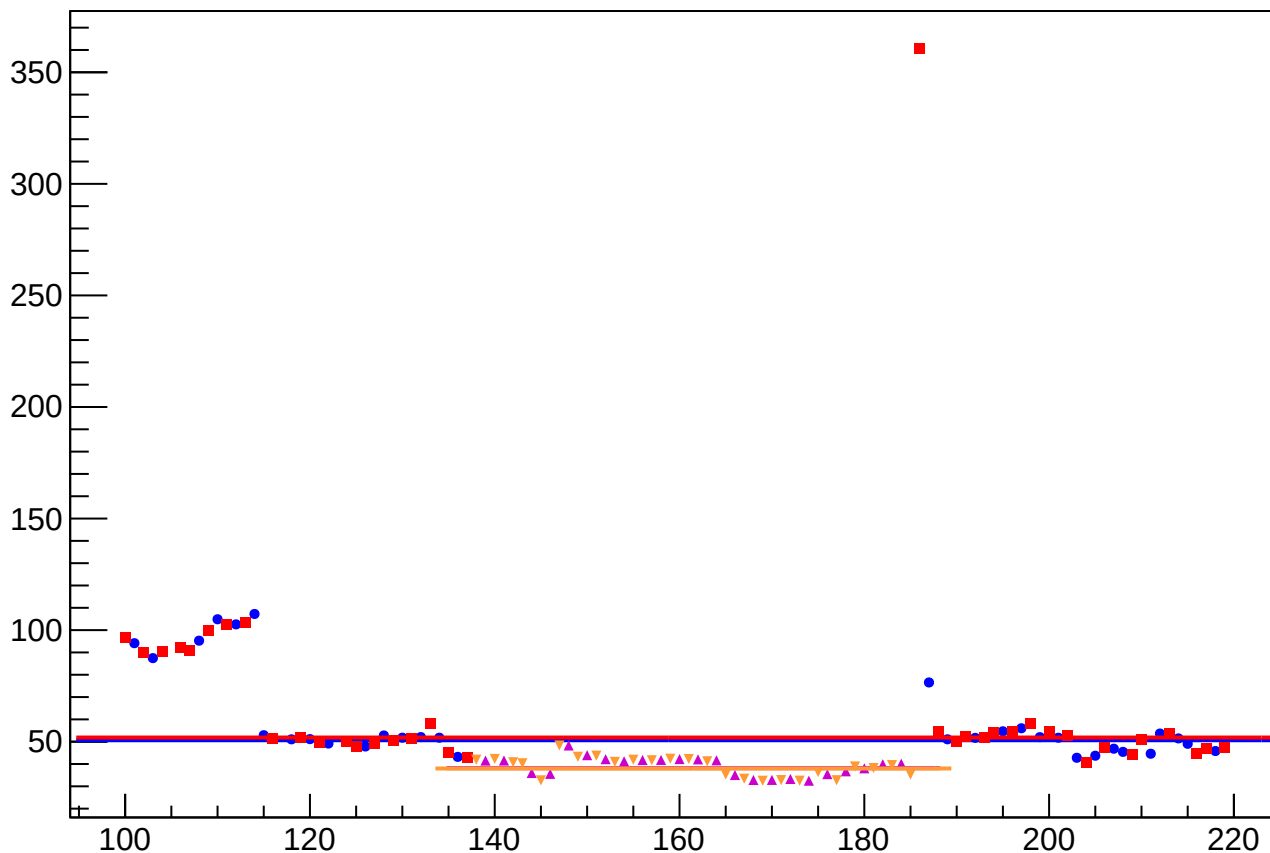
Left In: -7.785 ± 8.974 χ^2/NDF : 30.6/22

+ sign 6.484 ± 6.942 χ^2/NDF : 106.8/56

All: 4.776 ± 4.957 χ^2/NDF : 182.7/116

- sign 2.999 ± 7.082 χ^2/NDF : 75.9/59

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.652 $\pm$ 0.008 χ^2 /NDF: 1505792.9/31

Left Out: 37.990 $\pm$ 0.006 χ^2 /NDF: 513605.5/24

Right Out: 51.867 $\pm$ 0.008 χ^2 /NDF: 2311258.8/36

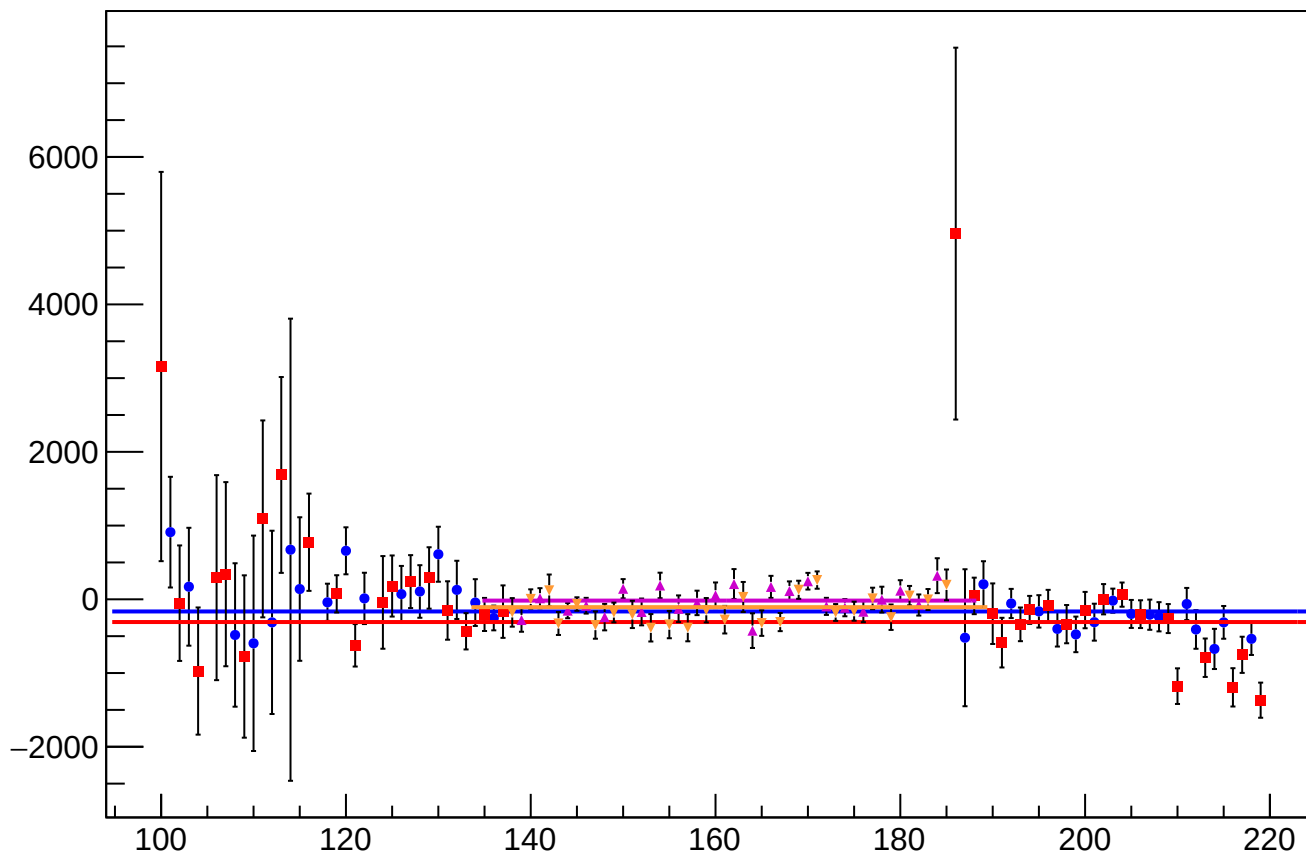
Left In: 38.133 $\pm$ 0.006 χ^2 /NDF: 428309.7/22

+ sign 42.586 $\pm$ 0.005 χ^2 /NDF: 3557953.6/56

All: 42.944 $\pm$ 0.004 χ^2 /NDF: 8075872.4/116

- sign 43.315 $\pm$ 0.005 χ^2 /NDF: 4507114.4/59

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug



Right In: -164.867 ± 48.381 χ^2/NDF : 29.8/31

Left Out: -106.505 ± 29.563 χ^2/NDF : 37.6/24

Right Out: -308.255 ± 47.945 χ^2/NDF : 87.6/36

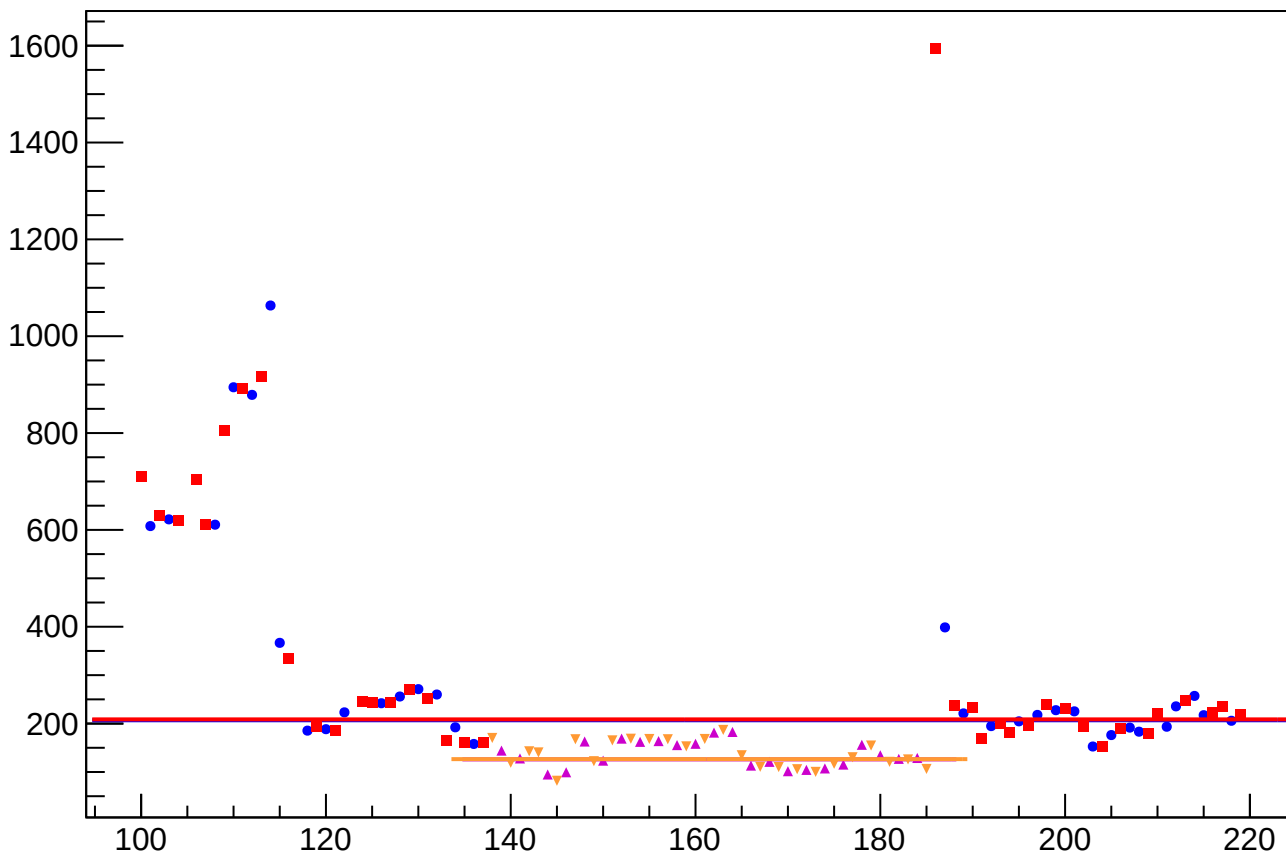
Left In: -17.517 ± 30.185 χ^2/NDF : 28.2/22

+ sign -122.372 ± 25.227 χ^2/NDF : 68.5/56

All: -111.348 ± 17.949 χ^2/NDF : 211.0/116

- sign -100.044 ± 25.544 χ^2/NDF : 142.2/59

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 206.818 $\pm$ 0.034 χ^2 /NDF: 3577948.7/31

Left Out: 126.561 $\pm$ 0.021 χ^2 /NDF:1758151.9/24

Right Out: 208.652 $\pm$ 0.034 χ^2 /NDF: 4790545.4/36

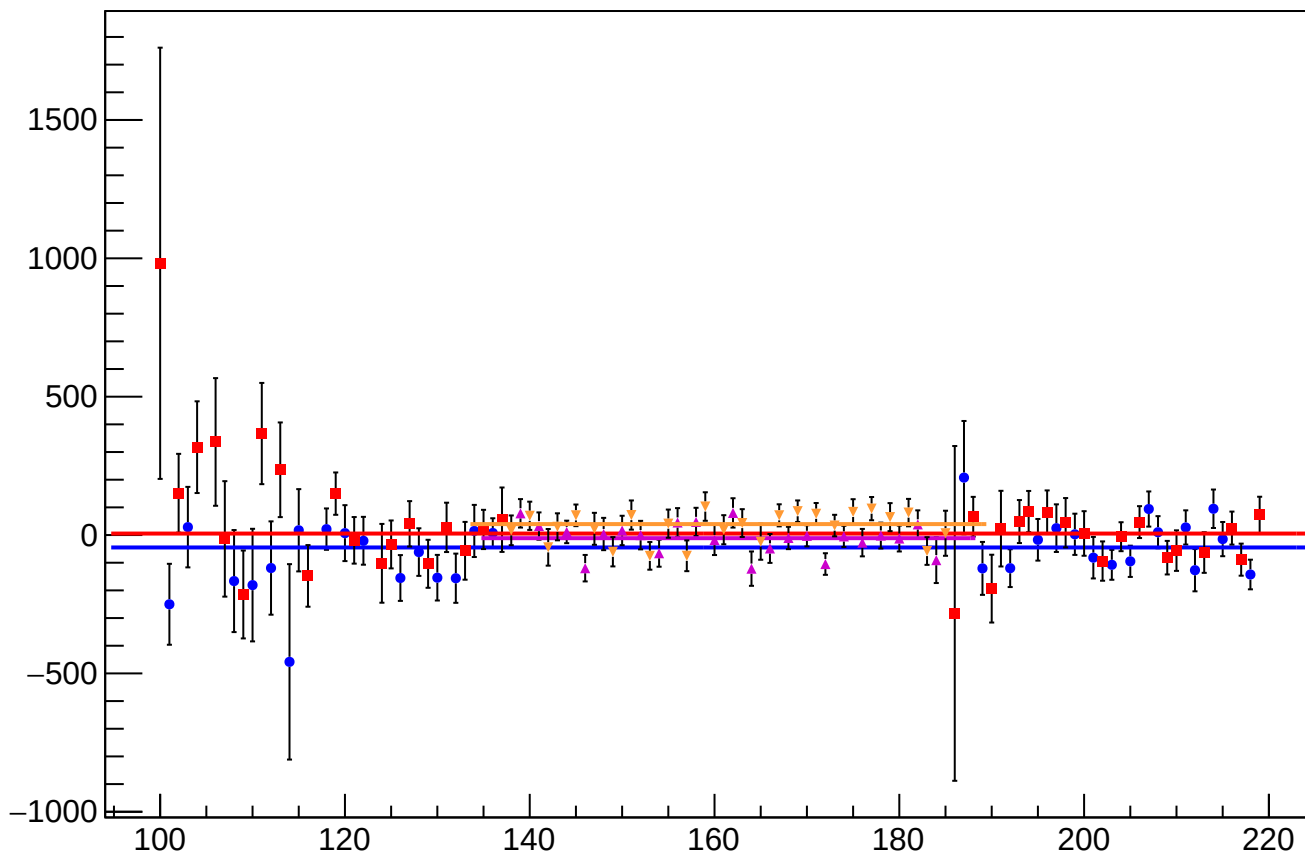
Left In: 126.013 $\pm$ 0.021 χ^2 /NDF:1410664.0/22

+ sign 148.380 $\pm$ 0.018 χ^2 /NDF: 9343435.0/56

All: 148.919 $\pm$ 0.013 χ^2 /NDF: 19801484.5/11

- sign 149.471 $\pm$ 0.018 χ^2 /NDF: 10456205.2/59

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -44.874 ± 13.954 χ^2/NDF : 35.2/31

Left Out: 39.563 ± 9.745 χ^2/NDF : 29.6/24

Right Out: 5.369 ± 14.138 χ^2/NDF : 40.8/36

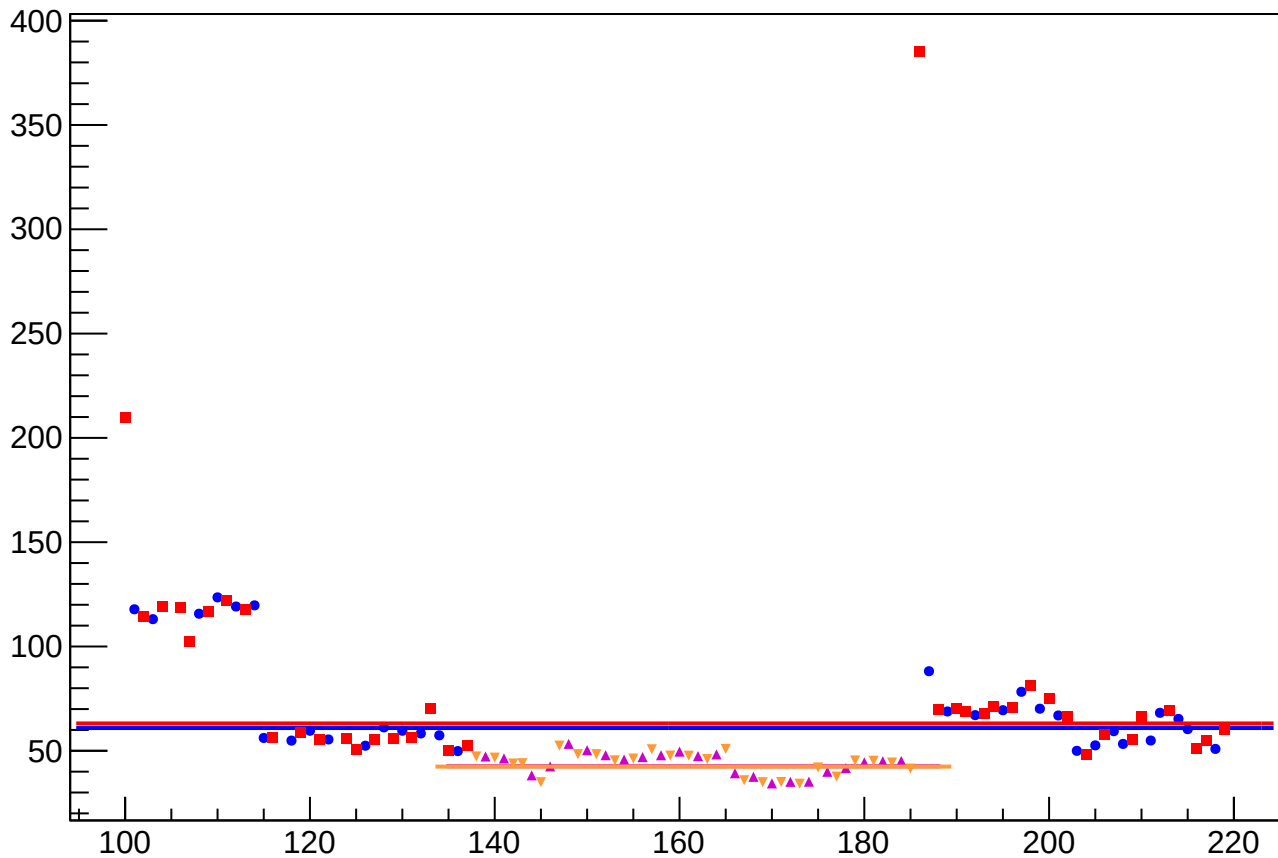
Left In: -11.306 ± 10.077 χ^2/NDF : 27.9/22

+ sign 11.882 ± 7.990 χ^2/NDF : 89.4/56

All: 3.331 ± 5.724 χ^2/NDF : 161.4/116

- sign -5.688 ± 8.206 χ^2/NDF : 69.6/59

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 60.916+/-0.010 χ^2/NDF : 1848816.3/31

Left Out: 42.426+/-0.007 χ^2/NDF : 698766.0/24

Right Out: 63.115+/-0.010 χ^2/NDF : 2726101.8/36

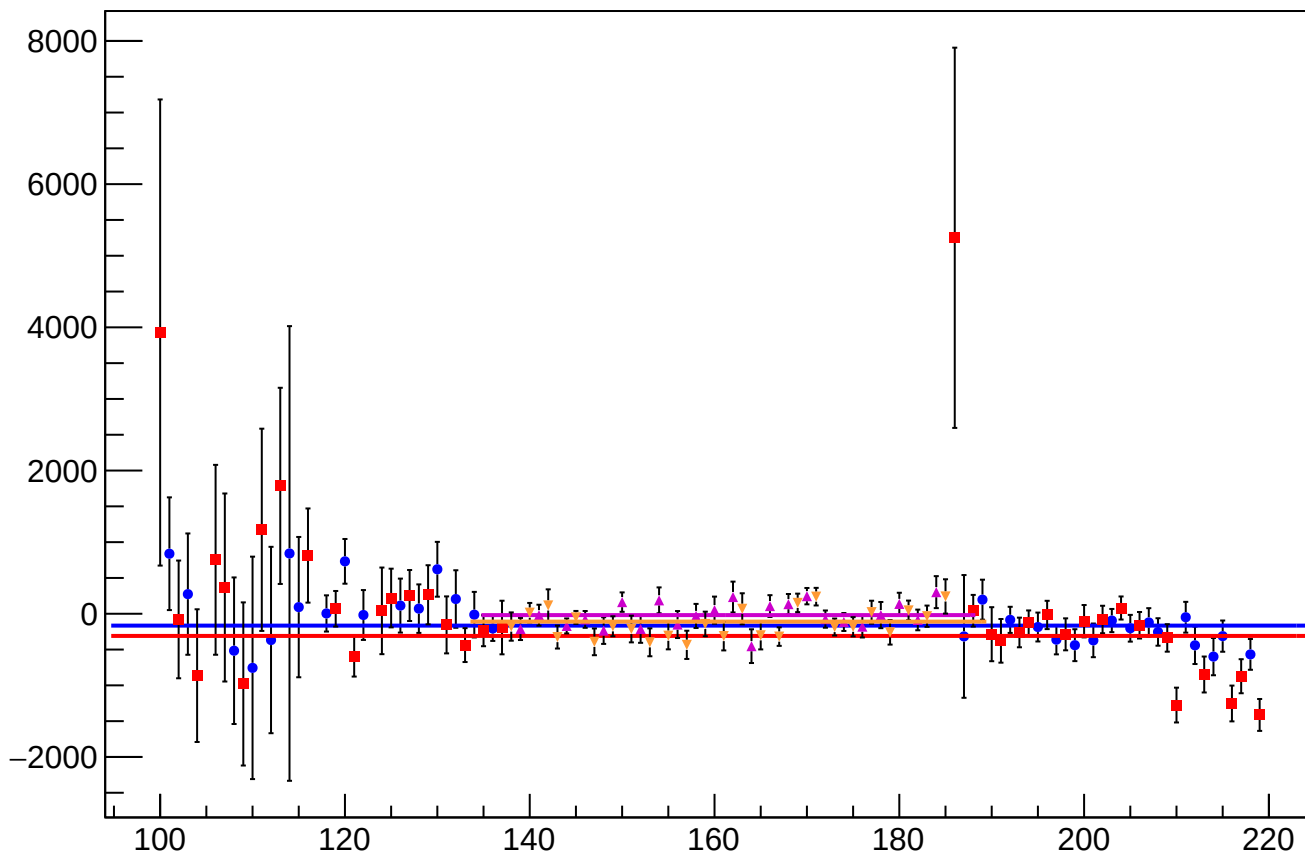
Left In: 42.579+/-0.007 χ^2/NDF : 589897.0/22

+ sign 48.488+/-0.006 χ^2/NDF : 4907770.8/56

All: 48.979+/-0.004 χ^2/NDF : 11037675.9/116

- sign 49.497+/-0.006 χ^2/NDF : 6114353.6/59

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -165.635 ± 46.850 χ^2/NDF : 31.4/31

Left Out: -109.869 ± 30.759 χ^2/NDF : 36.3/24

Right Out: -309.666 ± 45.608 χ^2/NDF : 104.1/36

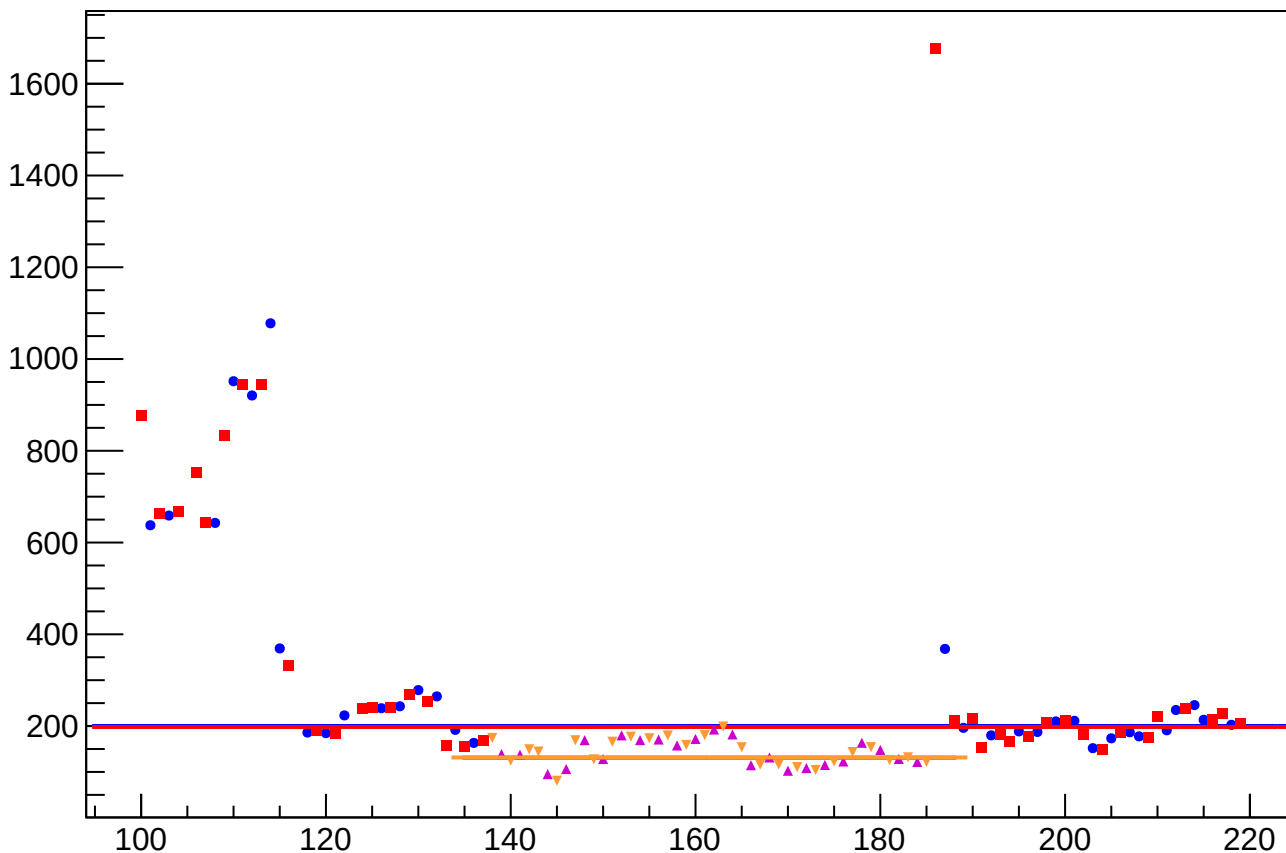
Left In: -18.838 ± 31.477 χ^2/NDF : 27.2/22

+ sign -126.666 ± 25.712 χ^2/NDF : 68.6/56

All: -119.721 ± 18.249 χ^2/NDF : 227.6/116

- sign -112.670 ± 25.906 χ^2/NDF : 158.8/59

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 200.088+/-0.033 χ^2/NDF : 3662150.5/31

Left Out: 131.515+/-0.022 χ^2/NDF :1902958.8/24

Right Out: 198.048+/-0.032 χ^2/NDF : 5114840.3/36

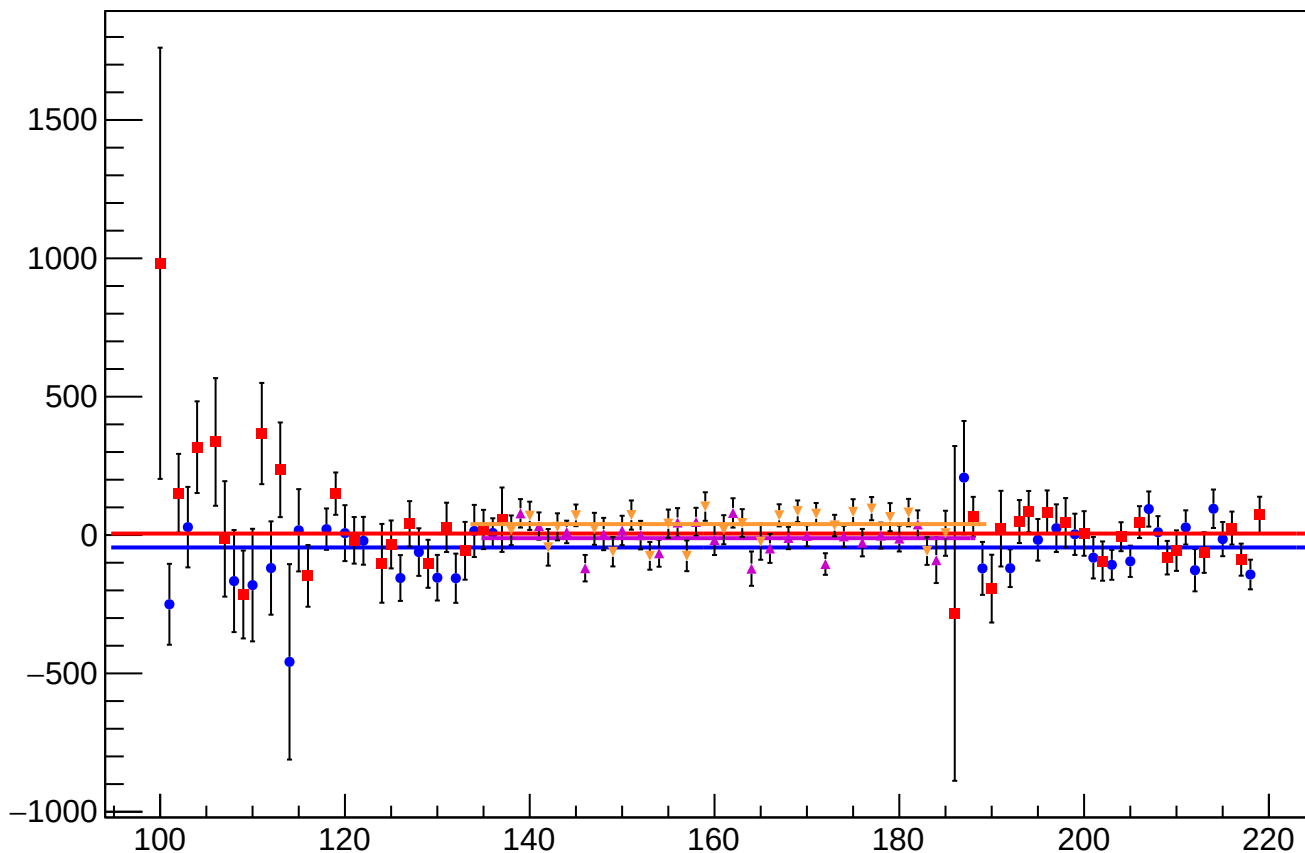
Left In: 131.074+/-0.022 χ^2/NDF :1467806.6/22

+ sign 152.170+/-0.018 χ^2/NDF : 8559185.4/56

All: 152.424+/-0.013 χ^2/NDF : 18063623.5/11

- sign 152.682+/-0.018 χ^2/NDF : 9504043.3/59

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -44.875 ± 13.954 χ^2/NDF : 35.2/31

Left Out: 39.564 ± 9.745 χ^2/NDF : 29.6/24

Right Out: 5.370 ± 14.138 χ^2/NDF : 40.8/36

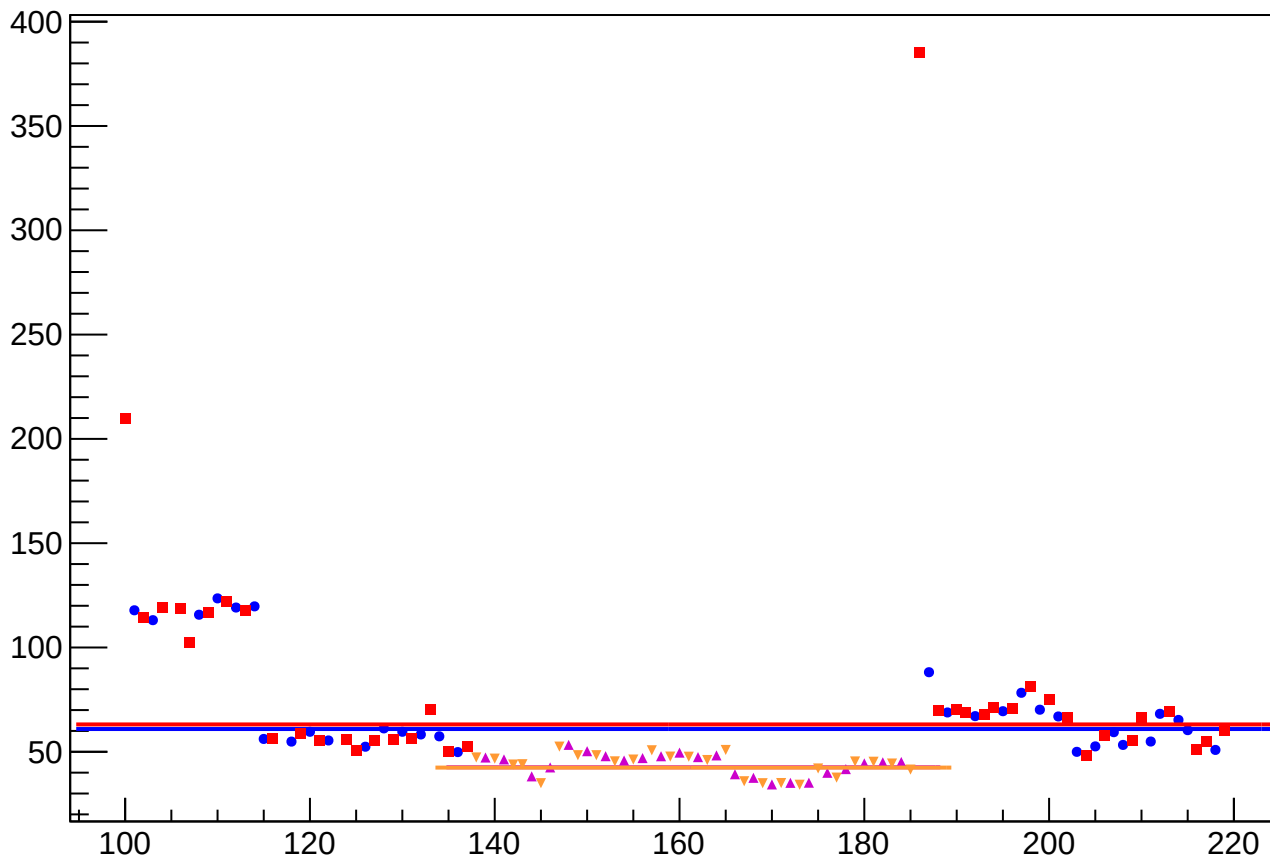
Left In: -11.306 ± 10.077 χ^2/NDF : 27.9/22

+ sign 11.883 ± 7.990 χ^2/NDF : 89.4/56

All: 3.332 ± 5.724 χ^2/NDF : 161.4/116

- sign -5.688 ± 8.206 χ^2/NDF : 69.6/59

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 60.916+/-0.010 χ^2/NDF : 1848813.4/31

Left Out: 42.426+/-0.007 χ^2/NDF : 698784.4/24

Right Out: 63.116+/-0.010 χ^2/NDF : 2726073.6/36

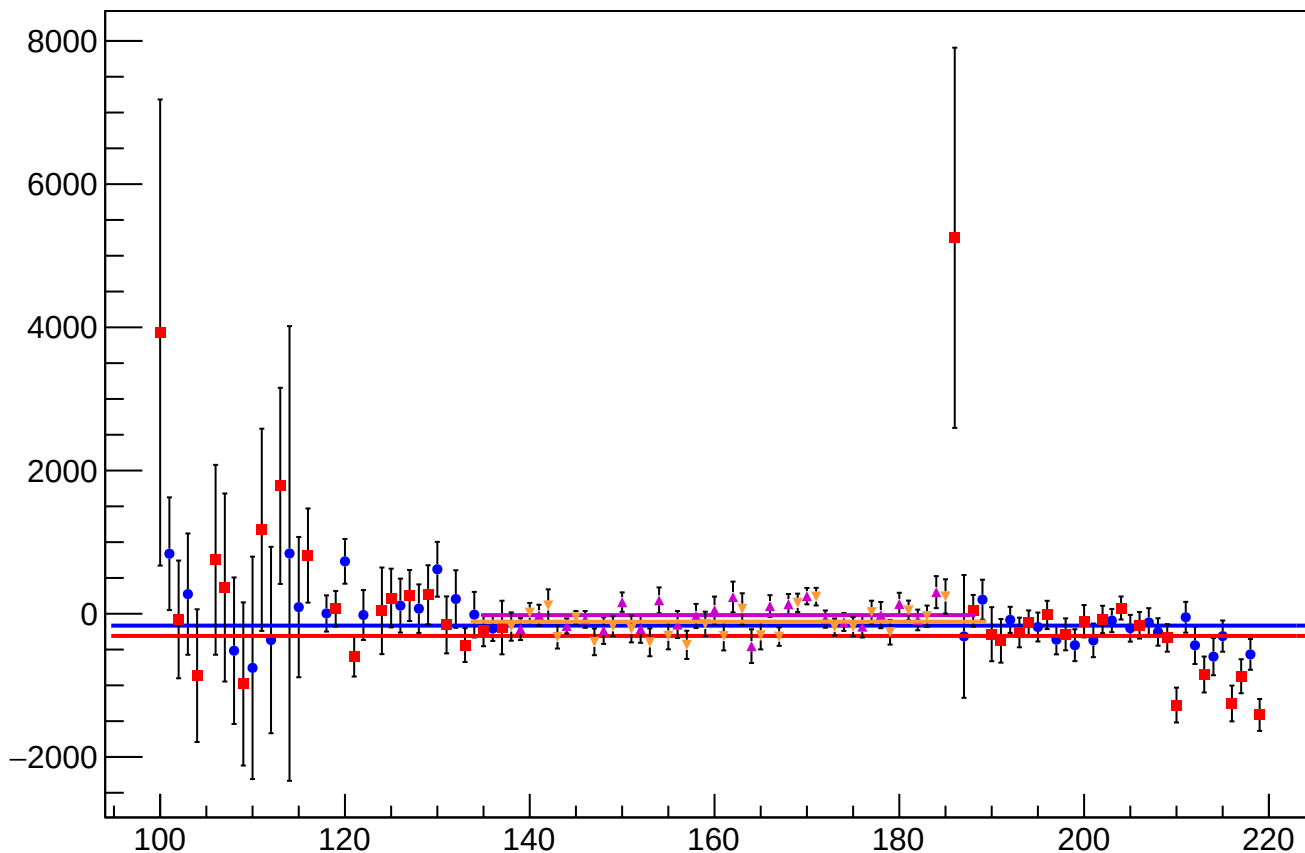
Left In: 42.579+/-0.007 χ^2/NDF : 589901.9/22

+ sign 48.488+/-0.006 χ^2/NDF : 4907791.2/56

All: 48.979+/-0.004 χ^2/NDF : 11037698.9/116

- sign 49.498+/-0.006 χ^2/NDF : 6114352.9/59

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug



Right In: -165.636 ± 46.850 χ^2/NDF : 31.4/31

Left Out: -109.869 ± 30.759 χ^2/NDF : 36.3/24

Right Out: -309.663 ± 45.608 χ^2/NDF : 104.1/36

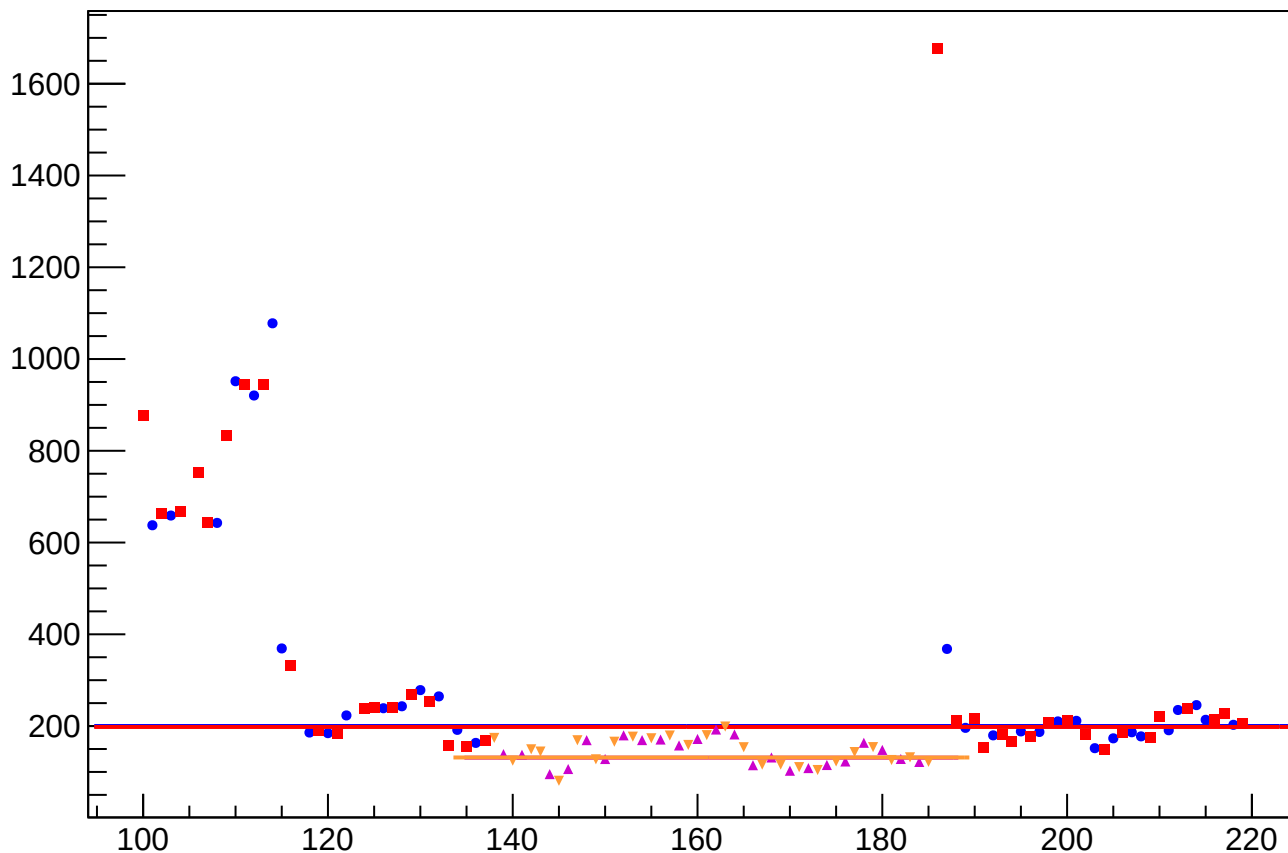
Left In: -18.838 ± 31.477 χ^2/NDF : 27.2/22

+ sign -126.666 ± 25.712 χ^2/NDF : 68.6/56

All: -119.721 ± 18.249 χ^2/NDF : 227.6/116

- sign -112.670 ± 25.906 χ^2/NDF : 158.8/59

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug



Right In: 200.088+/-0.033 χ^2/NDF : 3662151.0/31

Left Out: 131.515+/-0.022 χ^2/NDF :1902951.8/24

Right Out: 198.048+/-0.032 χ^2/NDF : 5114850.2/36

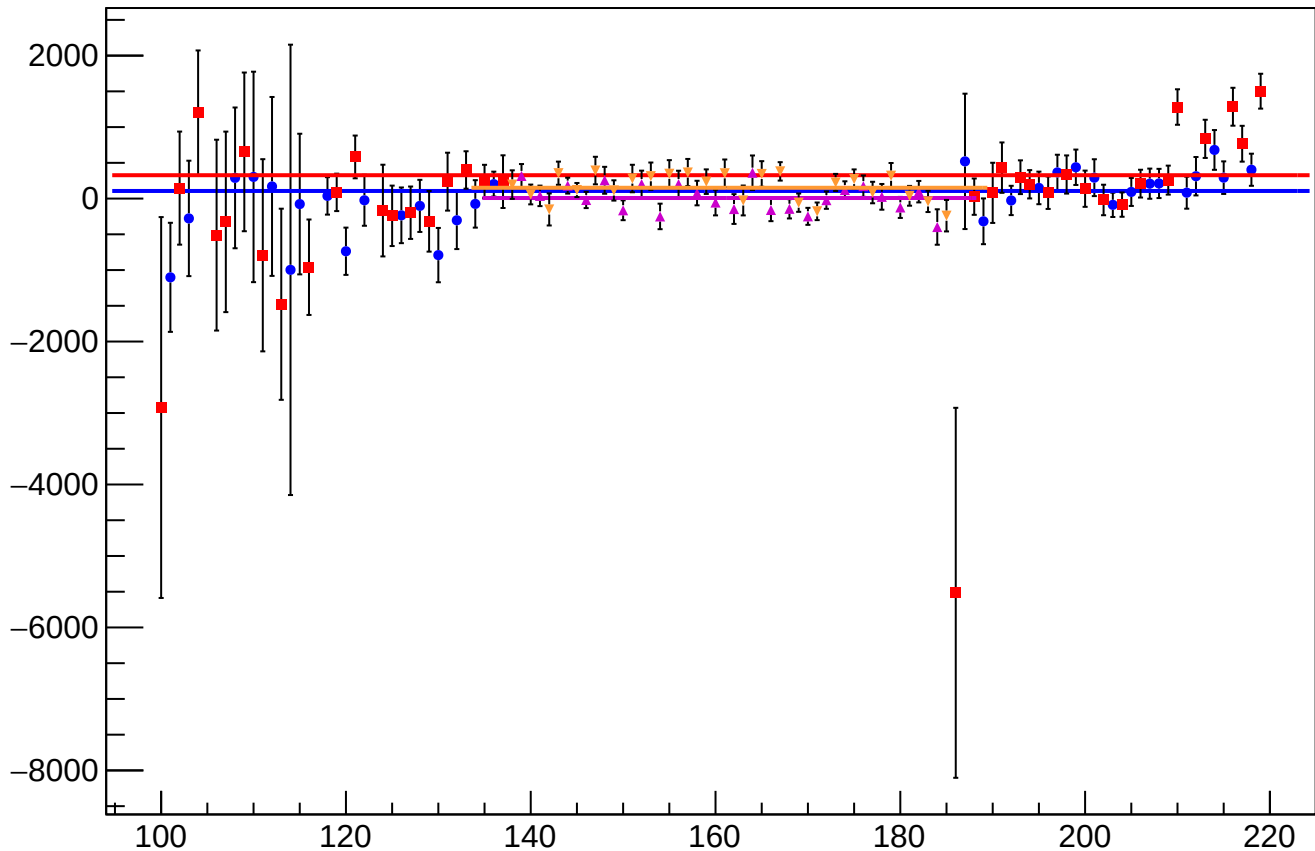
Left In: 131.074+/-0.022 χ^2/NDF :1467810.7/22

+ sign 152.170+/-0.018 χ^2/NDF : 8559120.4/56

All: 152.424+/-0.013 χ^2/NDF : 18063513.4/11

- sign 152.682+/-0.018 χ^2/NDF : 9503998.3/59

asym_sam_37_26_dd_mean vs Slug



Right In: 106.448 ± 49.882 χ^2/NDF : 32.9/31

Left Out: 151.108 ± 30.952 χ^2/NDF : 33.1/24

Right Out: 326.903 ± 49.503 χ^2/NDF : 94.0/36

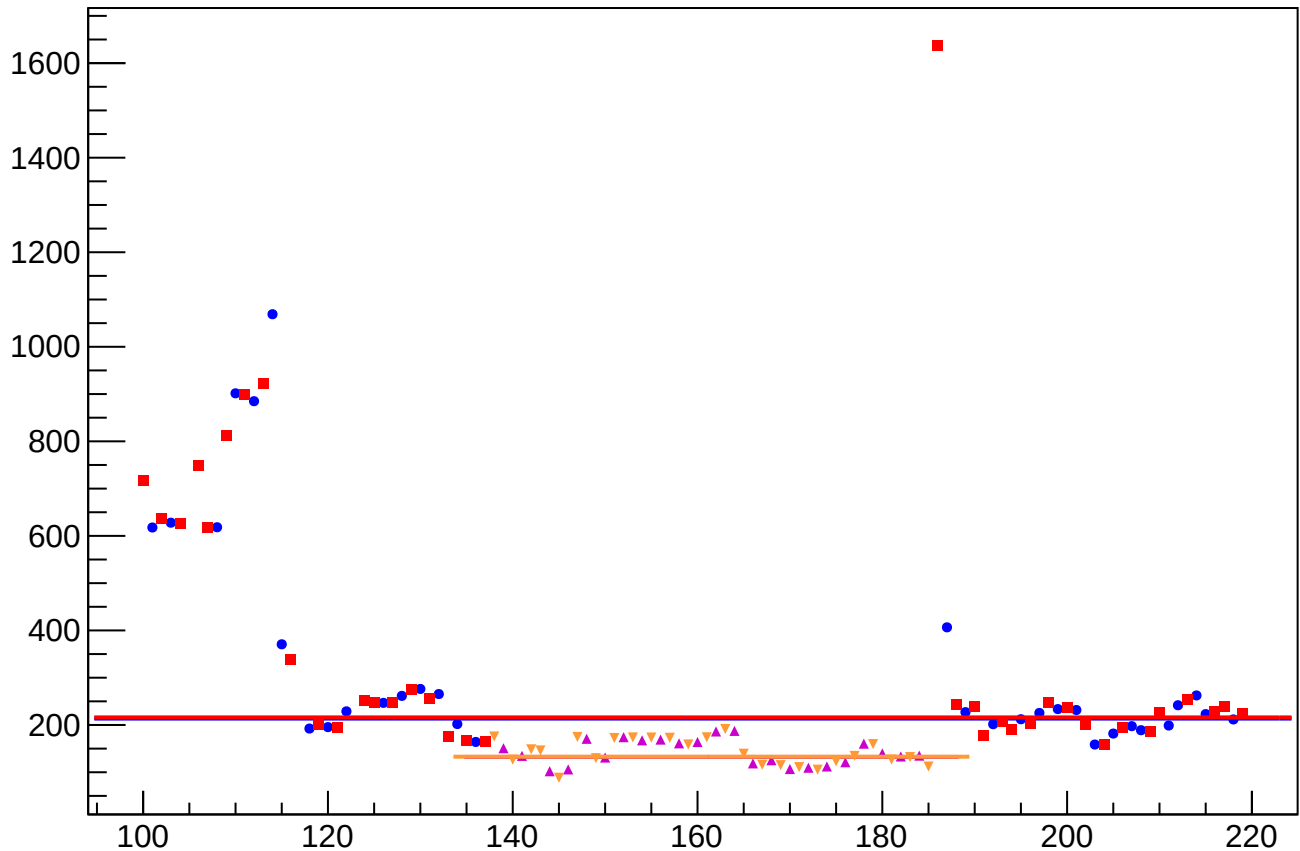
Left In: 7.941 ± 31.621 χ^2/NDF : 29.5/22

+ sign 138.693 ± 26.300 χ^2/NDF : 66.5/56

All: 119.785 ± 18.719 χ^2/NDF : 220.5/116

- sign 100.373 ± 26.648 χ^2/NDF : 153.0/59

asym_sam_37_26_dd_rms vs Slug



Right In: 213.586+/-0.035 χ^2/NDF : 3478744.4/31

Left Out: 132.876+/-0.022 χ^2/NDF :1592310.5/24

Right Out: 216.012+/-0.035 χ^2/NDF : 4725457.2/36

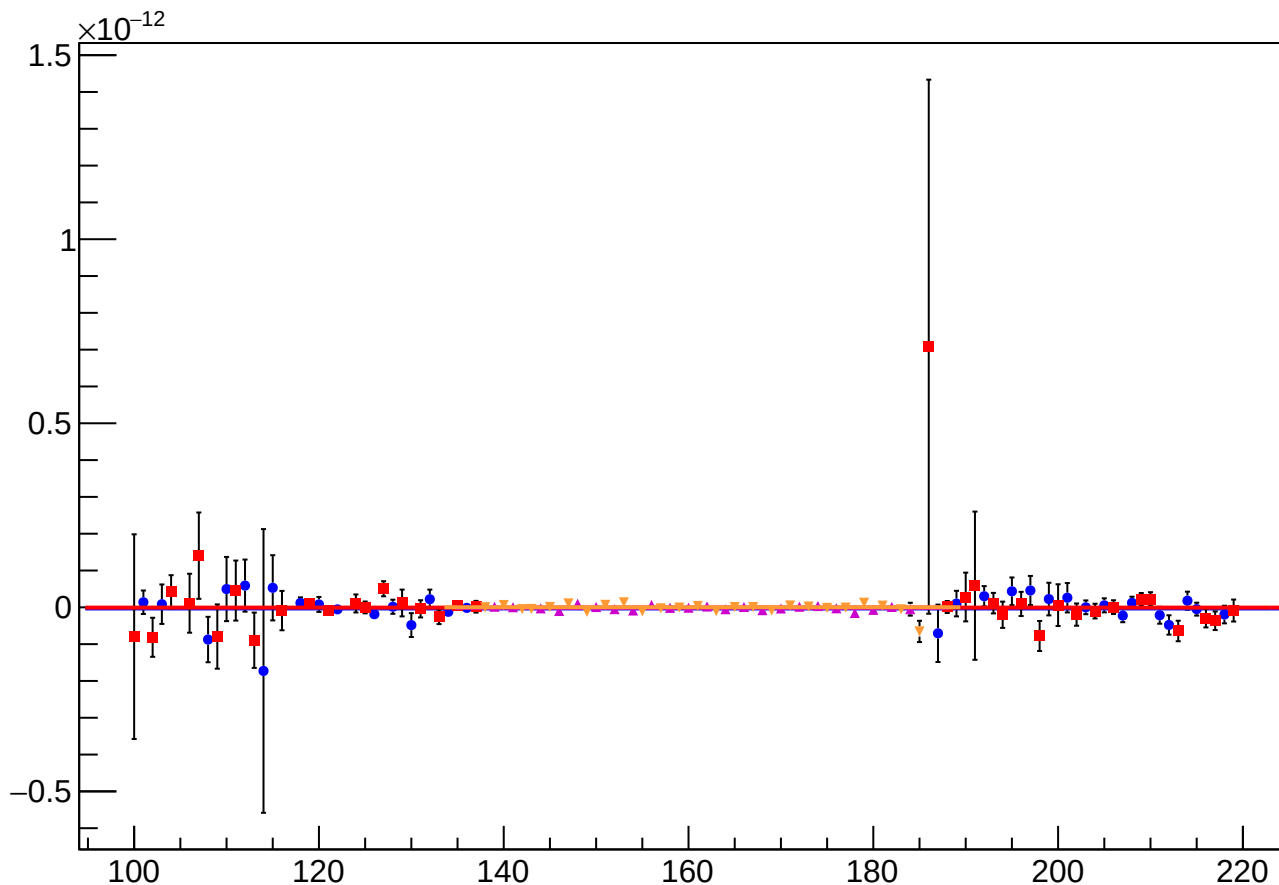
Left In: 132.342+/-0.022 χ^2/NDF :1277761.6/22

+ sign 155.312+/-0.019 χ^2/NDF : 8851554.1/56

All: 155.942+/-0.013 χ^2/NDF : 18915001.6/11

- sign 156.589+/-0.019 χ^2/NDF : 10061123.7/59

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.8/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 32.2/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 36.2/36

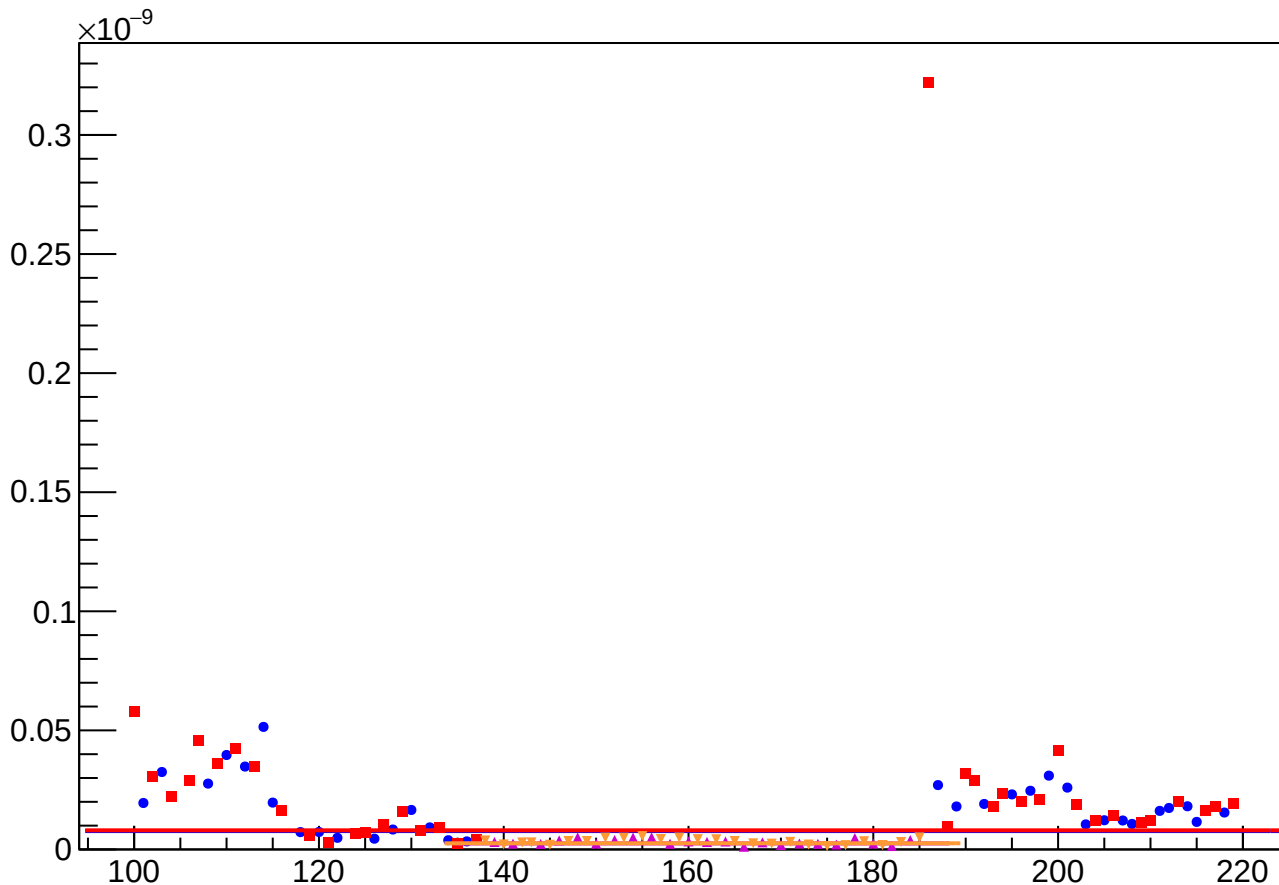
Left In: -0.000 ± 0.000 χ^2/NDF : 14.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 58.0/56

All: -0.000 ± 0.000 χ^2/NDF : 109.8/116

- sign -0.000 ± 0.000 χ^2/NDF : 51.1/59

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7463276.9/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8783939.0/36

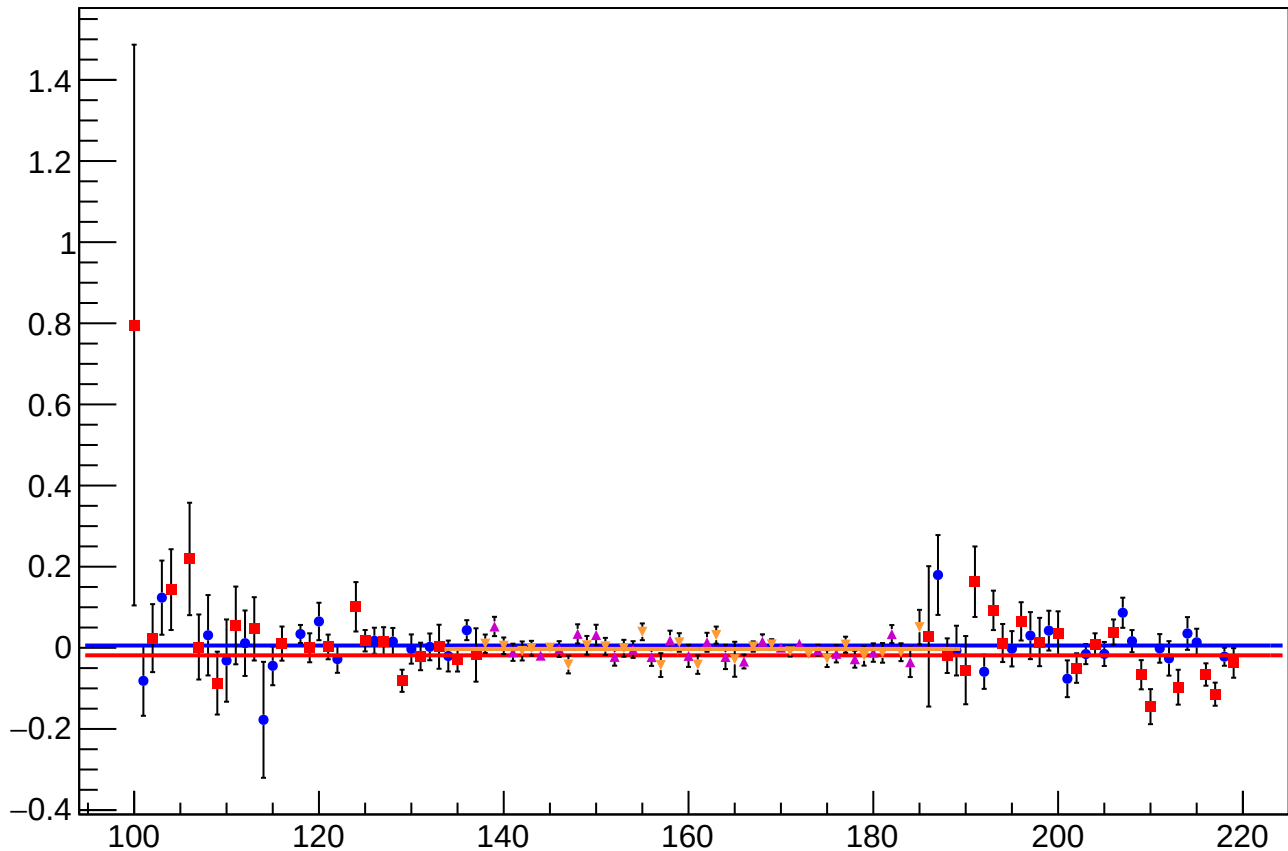
Left In: 0.000+/-0.000 χ^2/NDF : 1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 14474276.3/56

All: 0.000+/-0.000 χ^2/NDF : 29763561.1/116

- sign 0.000+/-0.000 χ^2/NDF : 15287575.9/59

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.007 $\chi^2/\text{NDF}: 31.3/31$

Left Out: -0.003 ± 0.004 $\chi^2/\text{NDF}: 22.6/24$

Right Out: -0.018 ± 0.007 $\chi^2/\text{NDF}: 71.1/36$

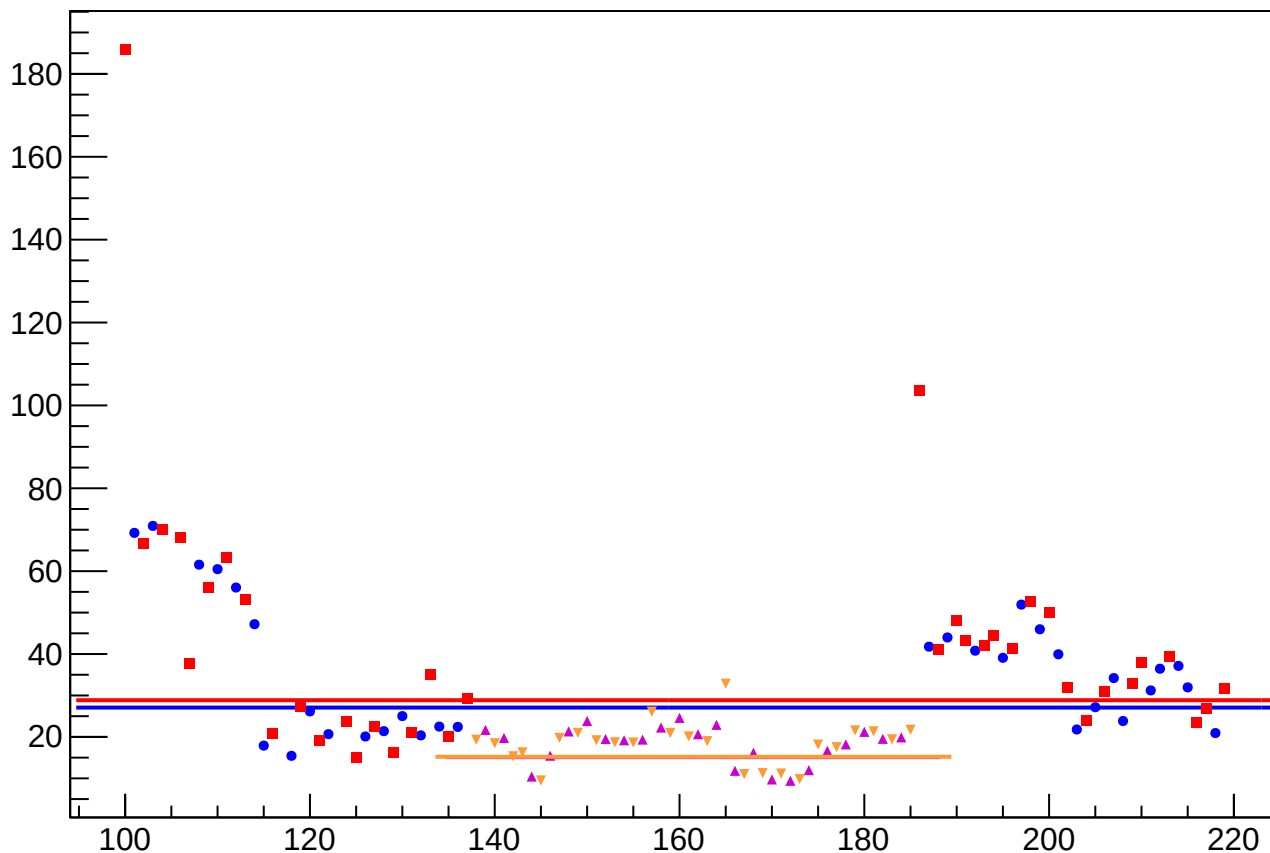
Left In: -0.002 ± 0.004 $\chi^2/\text{NDF}: 26.9/22$

+ sign -0.001 ± 0.003 $\chi^2/\text{NDF}: 55.2/56$

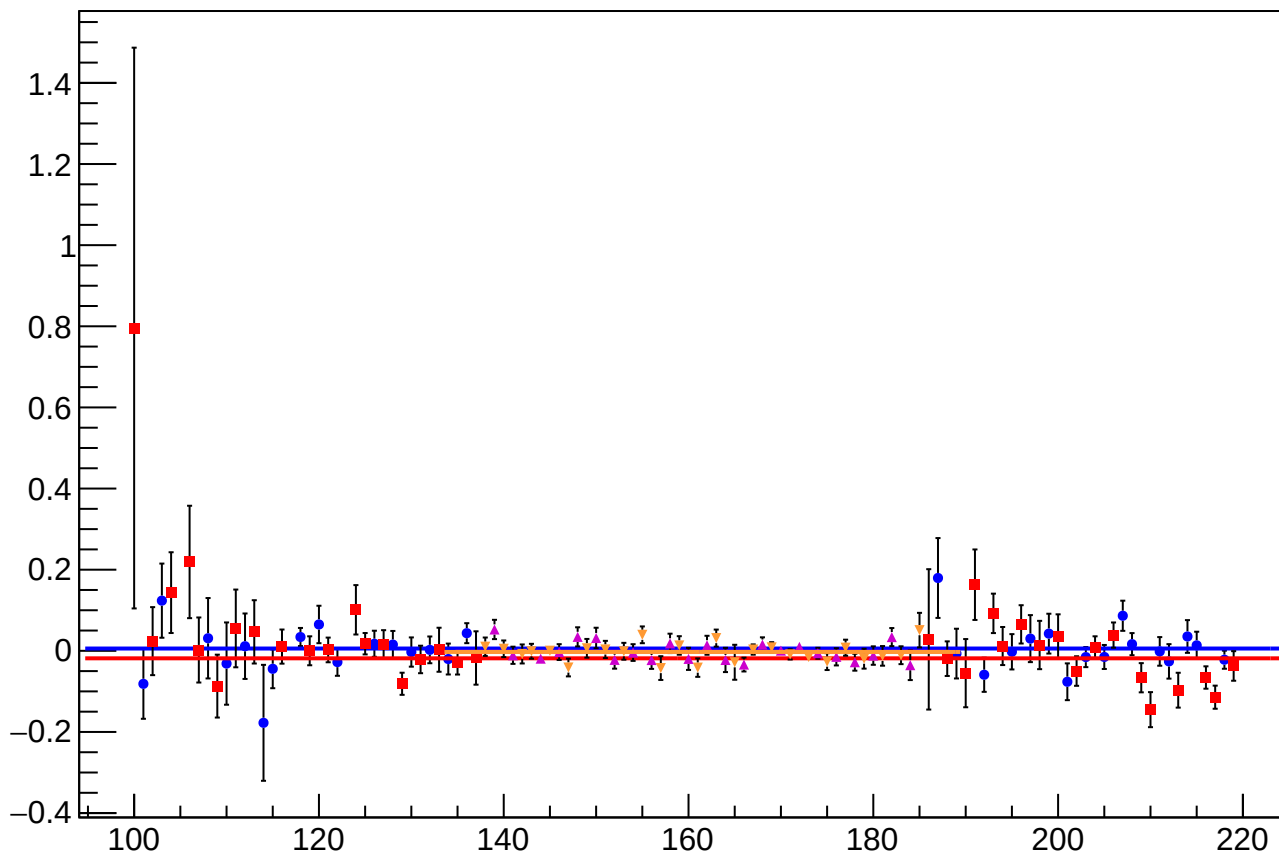
All: -0.003 ± 0.002 $\chi^2/\text{NDF}: 158.8/116$

- sign -0.006 ± 0.003 $\chi^2/\text{NDF}: 102.2/59$

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.007 χ^2/NDF : 31.3/31

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.018 ± 0.007 χ^2/NDF : 71.1/36

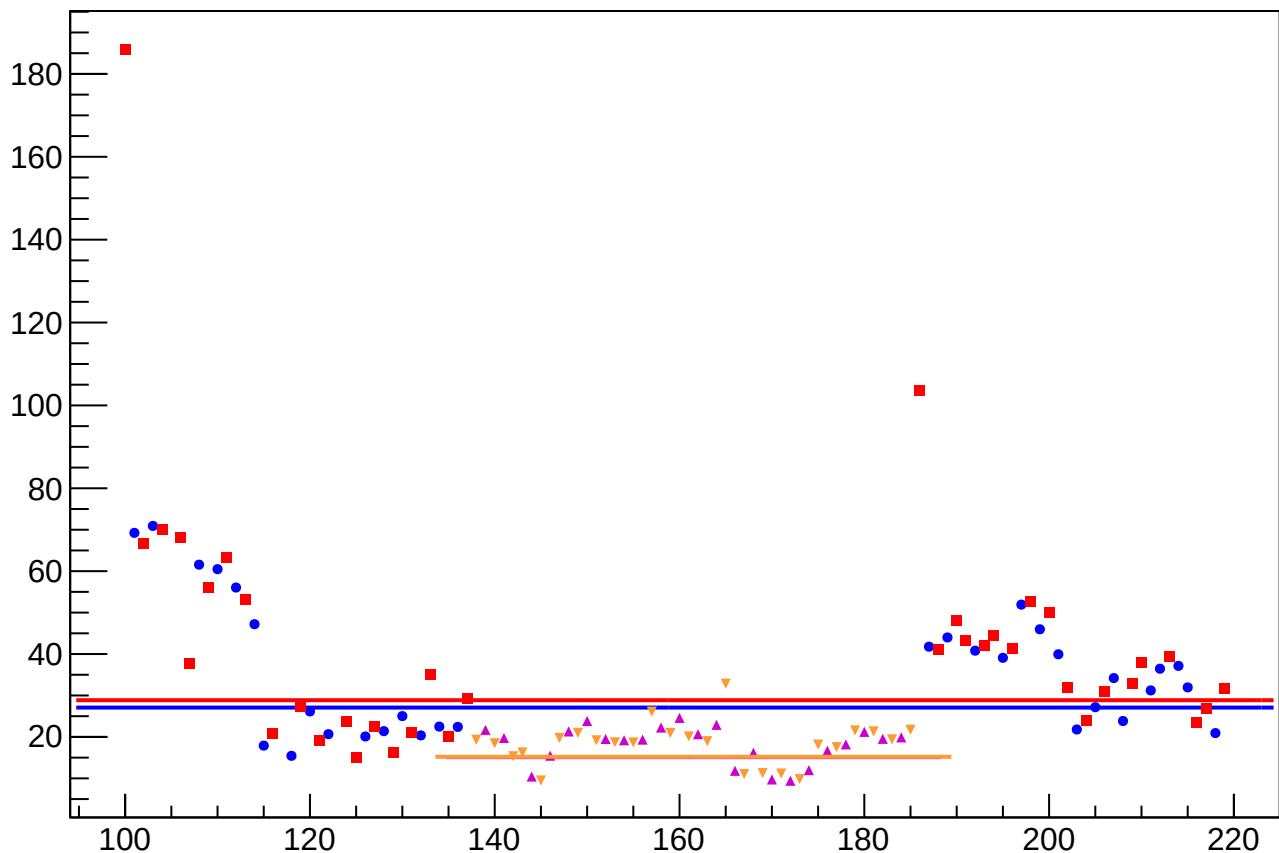
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 55.2/56

All: -0.003 ± 0.002 χ^2/NDF : 158.8/116

- sign -0.006 ± 0.003 χ^2/NDF : 102.2/59

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.080 $\pm$ 0.005 χ^2/NDF : 4748840.1/31

Left Out: 15.202 $\pm$ 0.003 χ^2/NDF : 3441921.2/24

Right Out: 28.857 $\pm$ 0.005 χ^2/NDF : 5655772.2/36

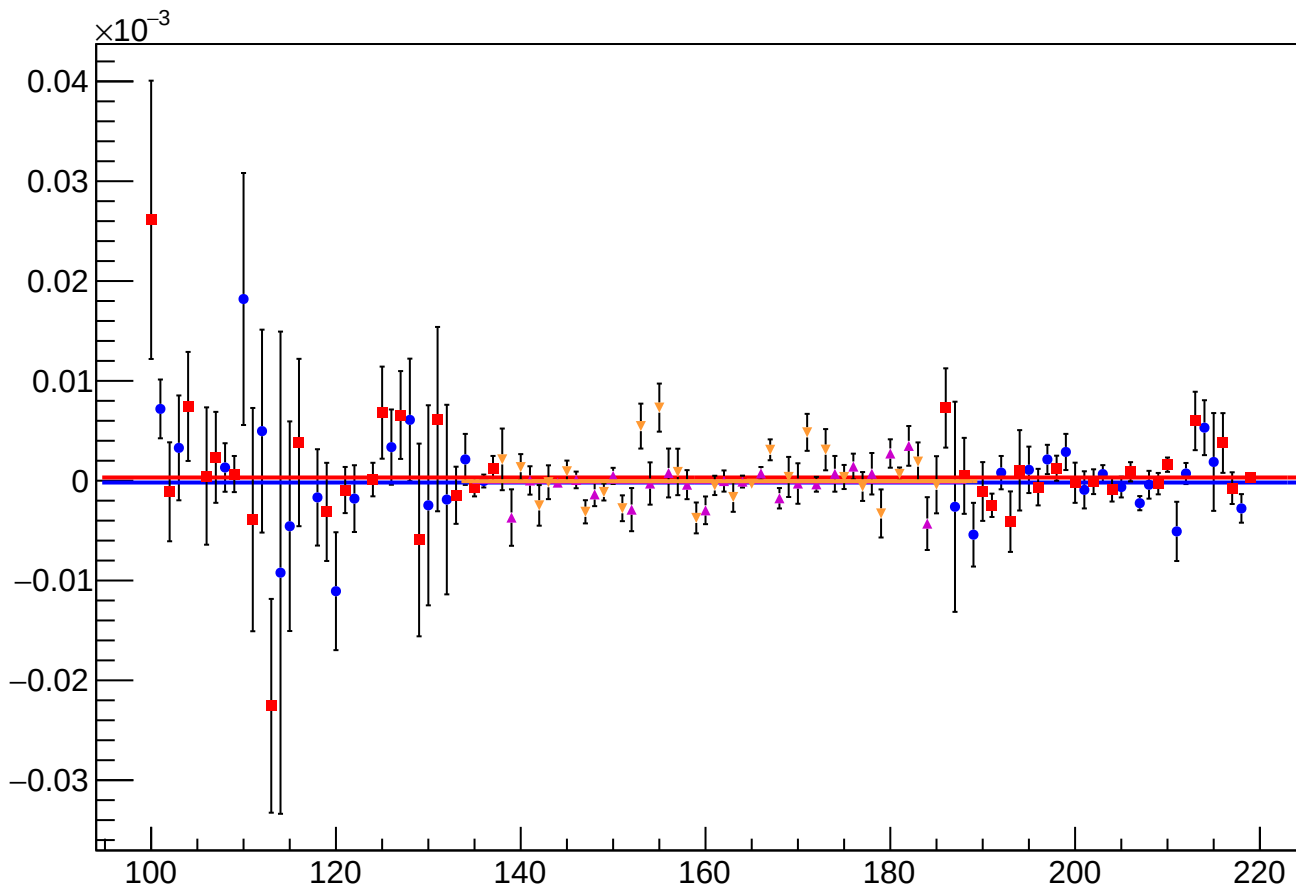
Left In: 15.116 $\pm$ 0.003 χ^2/NDF : 3402288.3/22

+ sign 18.021 $\pm$ 0.002 χ^2/NDF : 13070537.8/56

All: 18.180 $\pm$ 0.002 χ^2/NDF : 28208999.1/116

- sign 18.349 $\pm$ 0.002 χ^2/NDF : 15128547.7/59

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.7/31

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 62.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.5/36

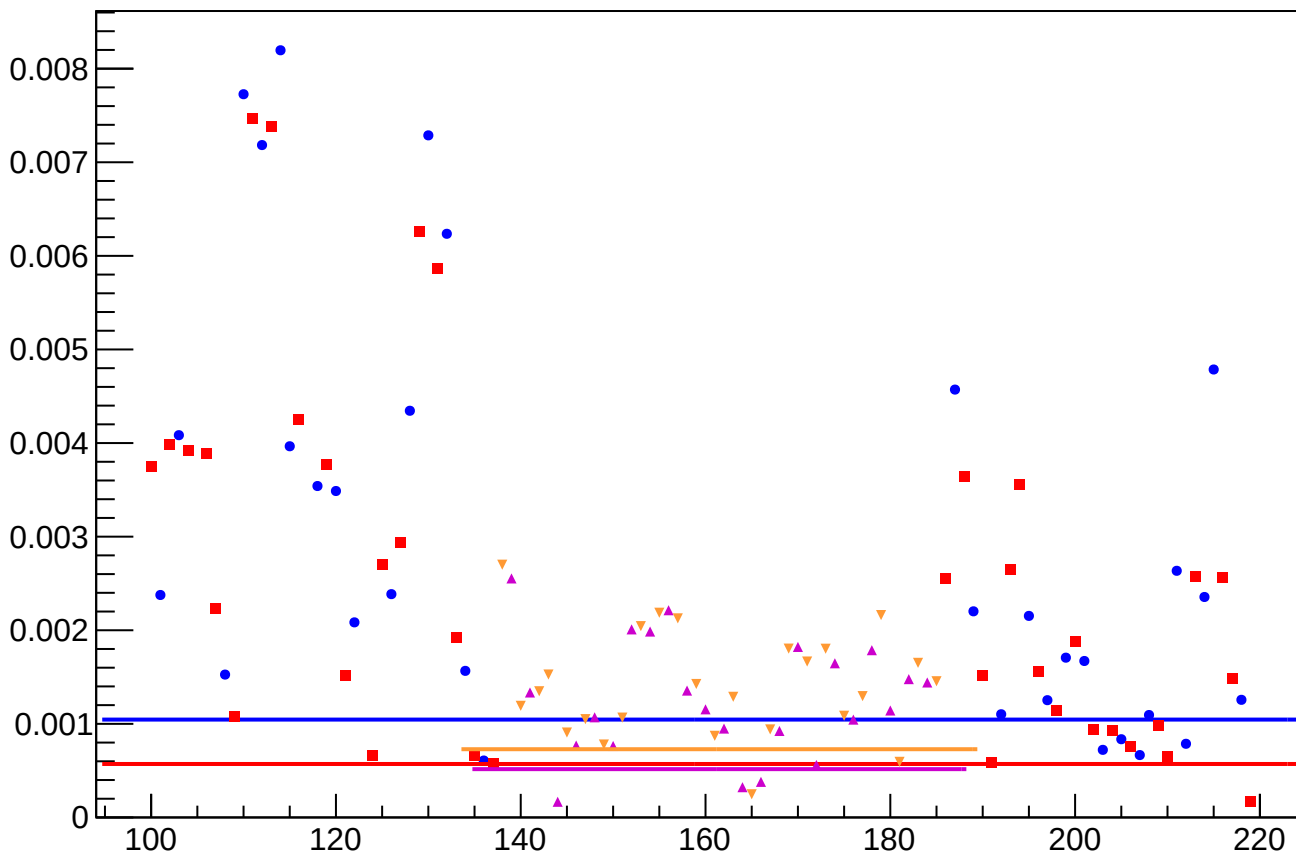
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 108.7/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 178.0/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 68.8/59

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 11795220.5/31

Left Out: 0.001+/-0.000 χ^2/NDF : 13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 22249909.8/36

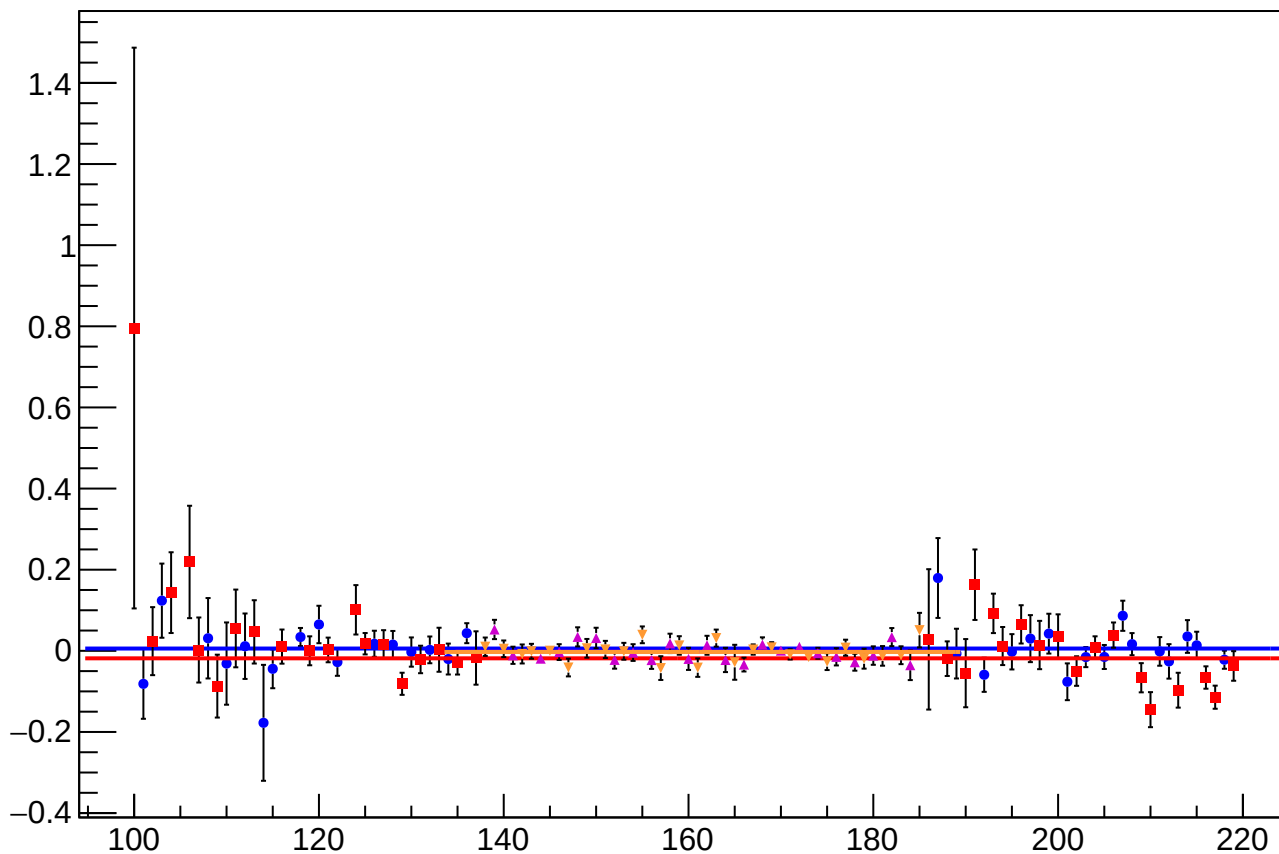
Left In: 0.001+/-0.000 χ^2/NDF : 15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 26429798.3/56

All: 0.001+/-0.000 χ^2/NDF : 67474147.1/116

- sign 0.001+/-0.000 χ^2/NDF : 37363973.3/59

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.007 χ^2/NDF : 31.3/31

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.019 ± 0.007 χ^2/NDF : 71.1/36

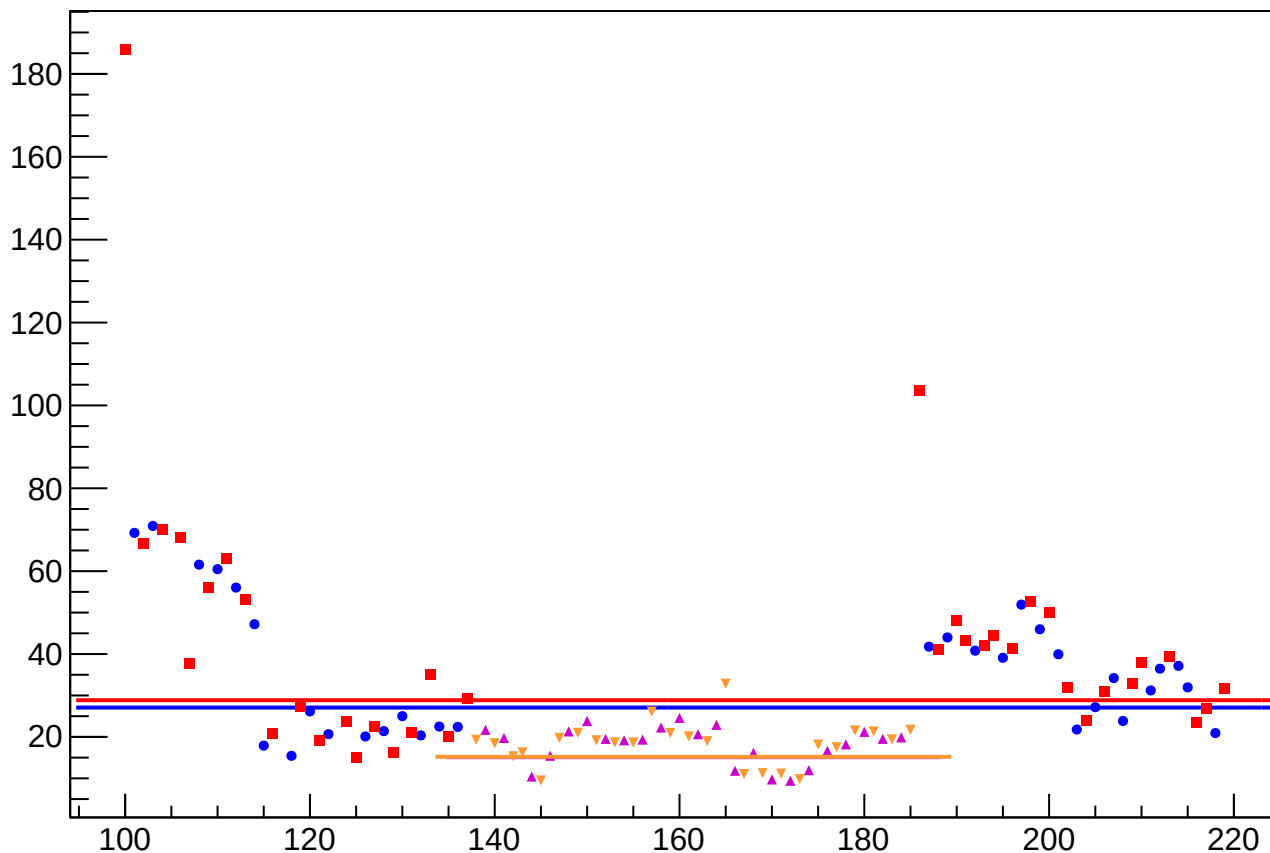
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 55.2/56

All: -0.003 ± 0.002 χ^2/NDF : 158.8/116

- sign -0.006 ± 0.003 χ^2/NDF : 102.2/59

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.080 ± 0.005 $\chi^2/\text{NDF}: 4749234.5/31$

Left Out: 15.202 ± 0.003 $\chi^2/\text{NDF}: 3442015.2/24$

Right Out: 28.857 ± 0.005 $\chi^2/\text{NDF}: 5655903.8/36$

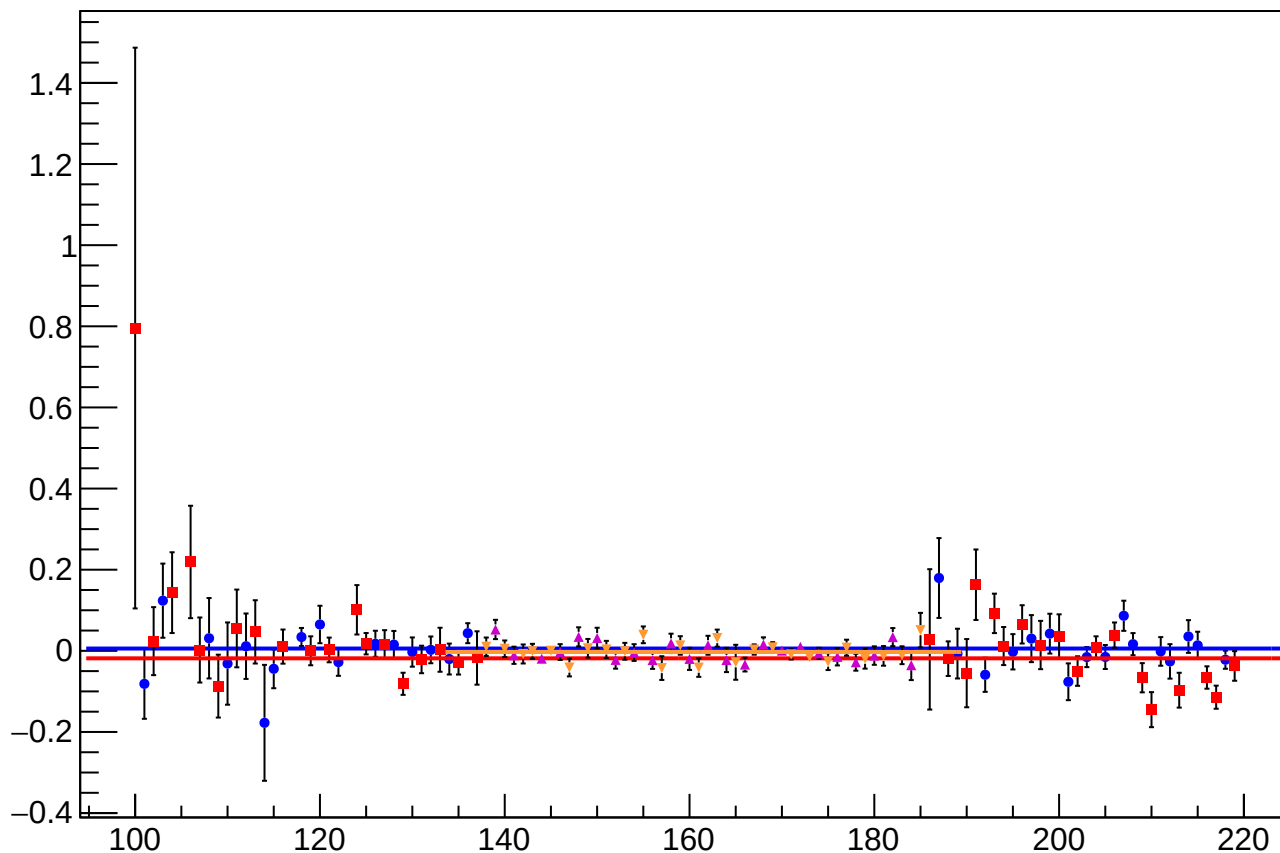
Left In: 15.117 ± 0.003 $\chi^2/\text{NDF}: 3402318.1/22$

+ sign 18.021 ± 0.002 $\chi^2/\text{NDF}: 13070536.1/56$

All: 18.180 ± 0.002 $\chi^2/\text{NDF}: 28208975.2/116$

- sign 18.349 ± 0.002 $\chi^2/\text{NDF}: 15128518.1/59$

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.007 χ^2/NDF : 31.3/31

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.019 ± 0.007 χ^2/NDF : 71.1/36

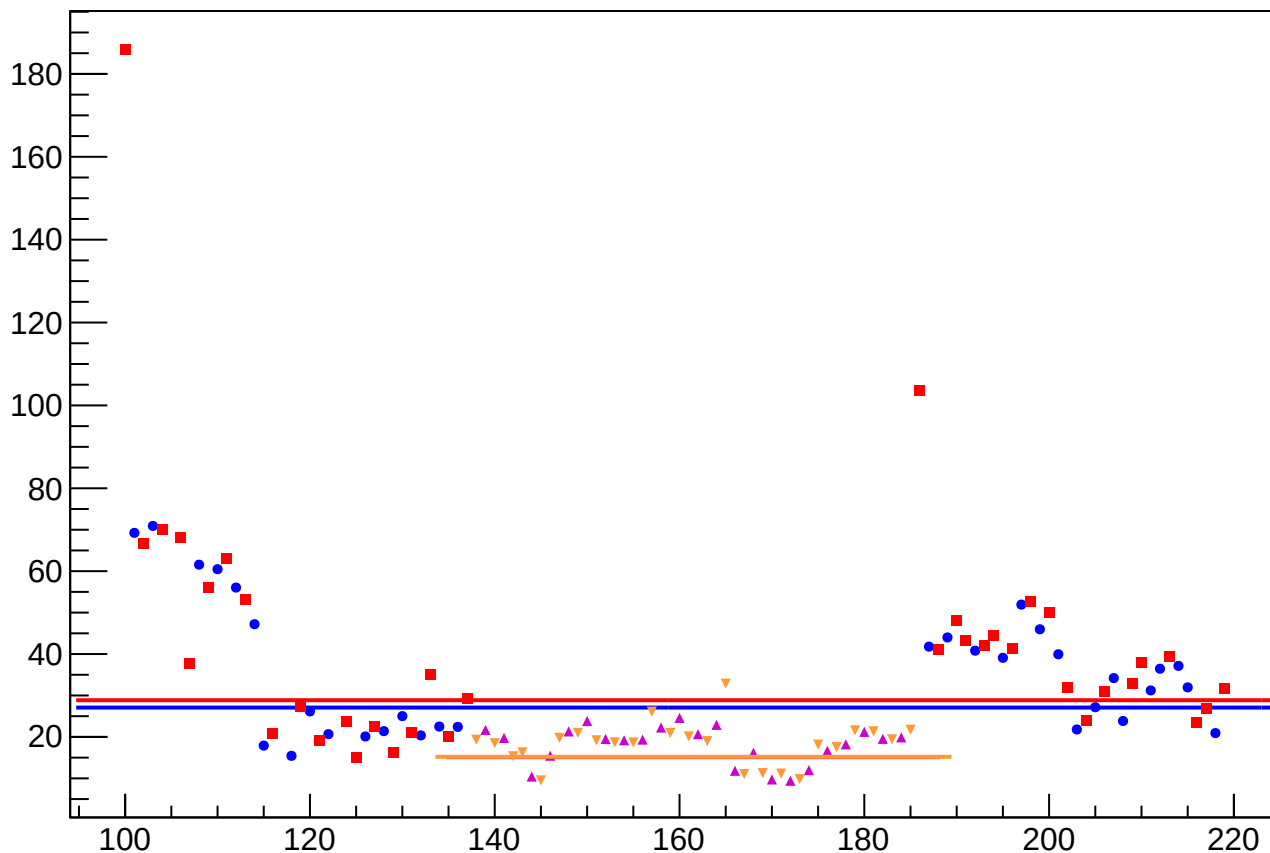
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 55.2/56

All: -0.003 ± 0.002 χ^2/NDF : 158.8/116

- sign -0.006 ± 0.003 χ^2/NDF : 102.2/59

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.080 $\pm$ 0.005 χ^2 /NDF: 4749234.5/31

Left Out: 15.202 $\pm$ 0.003 χ^2 /NDF: 3442015.2/24

Right Out: 28.857 $\pm$ 0.005 χ^2 /NDF: 5655903.8/36

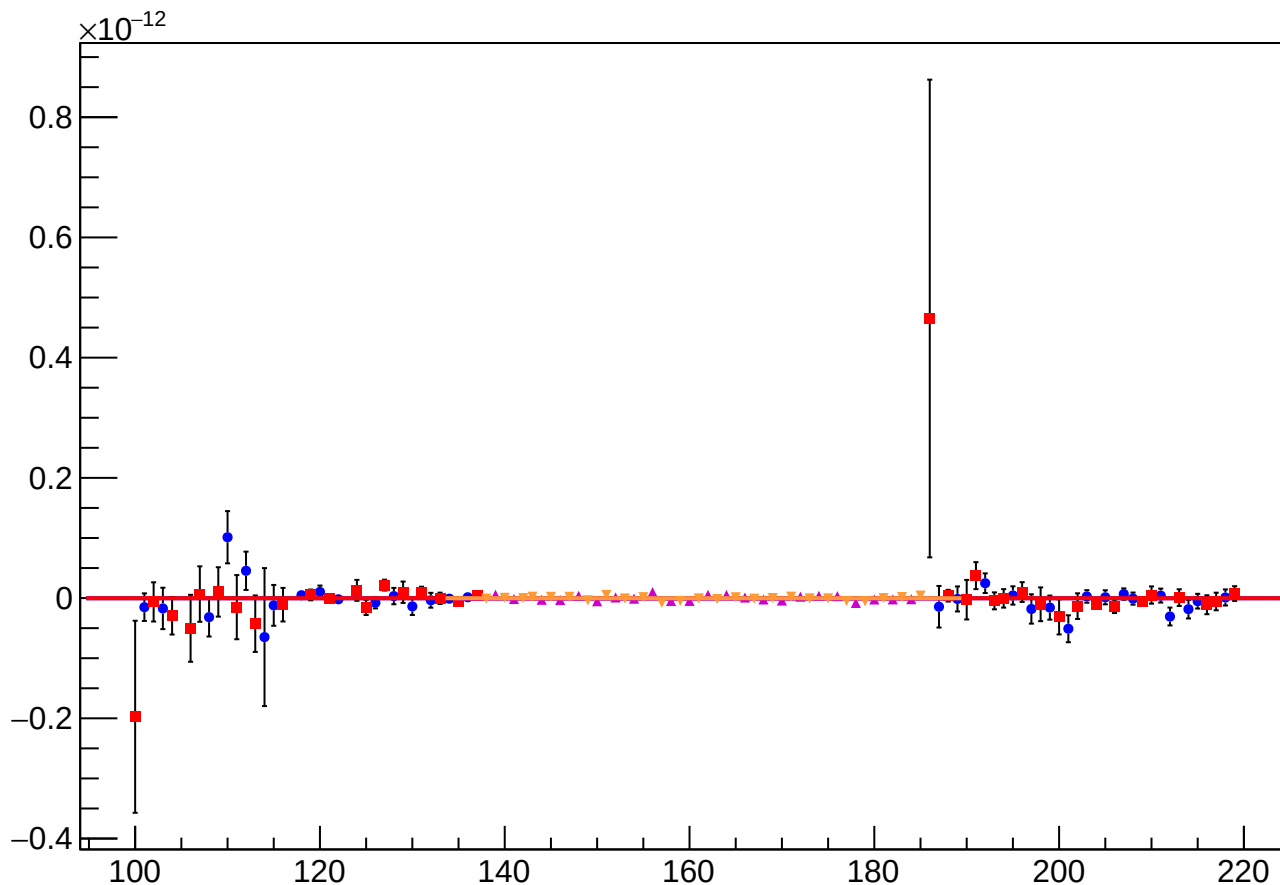
Left In: 15.117 $\pm$ 0.003 χ^2 /NDF: 3402318.1/22

+ sign 18.021 $\pm$ 0.002 χ^2 /NDF: 13070536.1/56

All: 18.180 $\pm$ 0.002 χ^2 /NDF: 28208975.2/116

- sign 18.349 $\pm$ 0.002 χ^2 /NDF: 15128518.1/59

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 28.4/31

Left Out: -0.000+/-0.000 χ^2 /NDF: 21.4/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 27.5/36

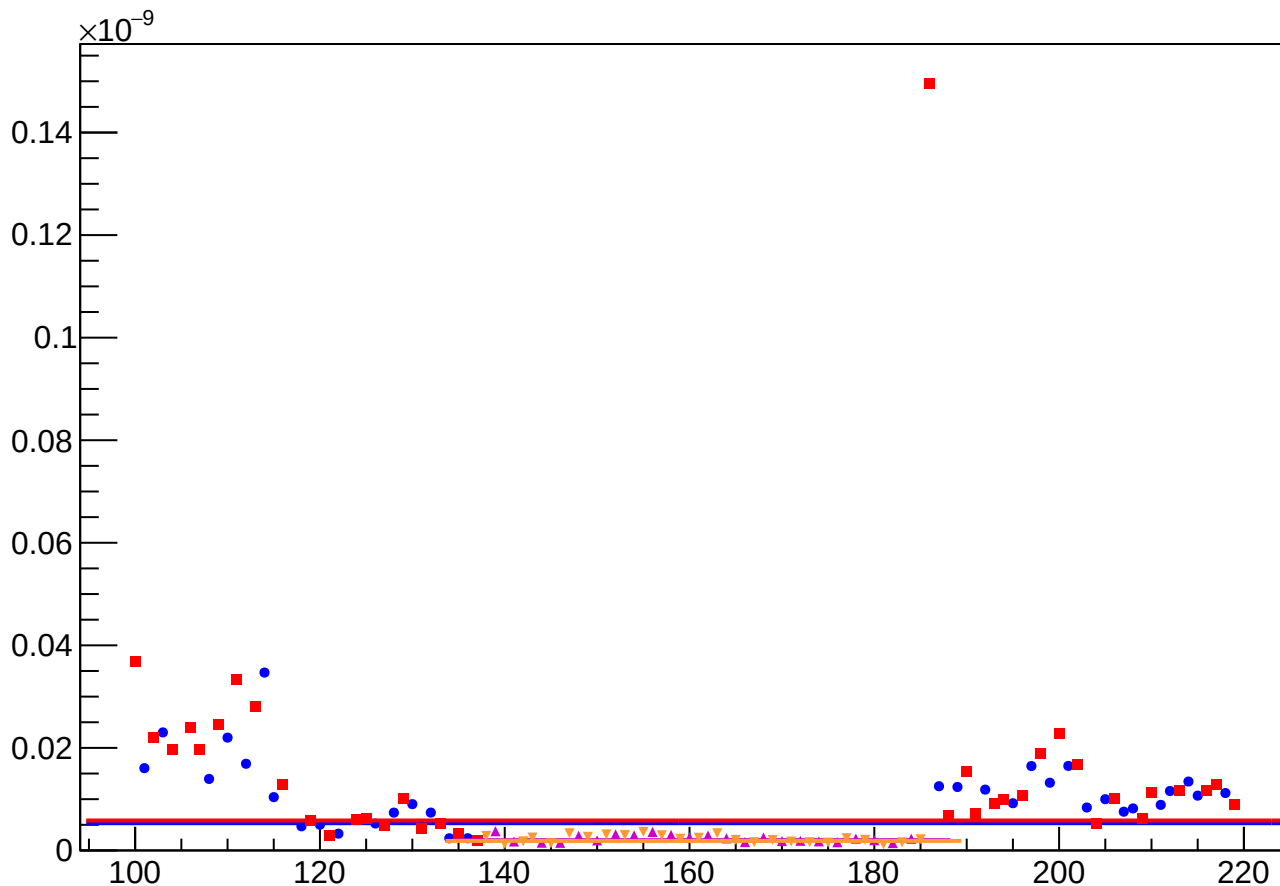
Left In: -0.000+/-0.000 χ^2 /NDF: 39.5/22

+ sign -0.000+/-0.000 χ^2 /NDF: 49.8/56

All: -0.000+/-0.000 χ^2 /NDF: 117.5/116

- sign -0.000+/-0.000 χ^2 /NDF: 67.1/59

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9560239.1/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2645485.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9806368.2/36

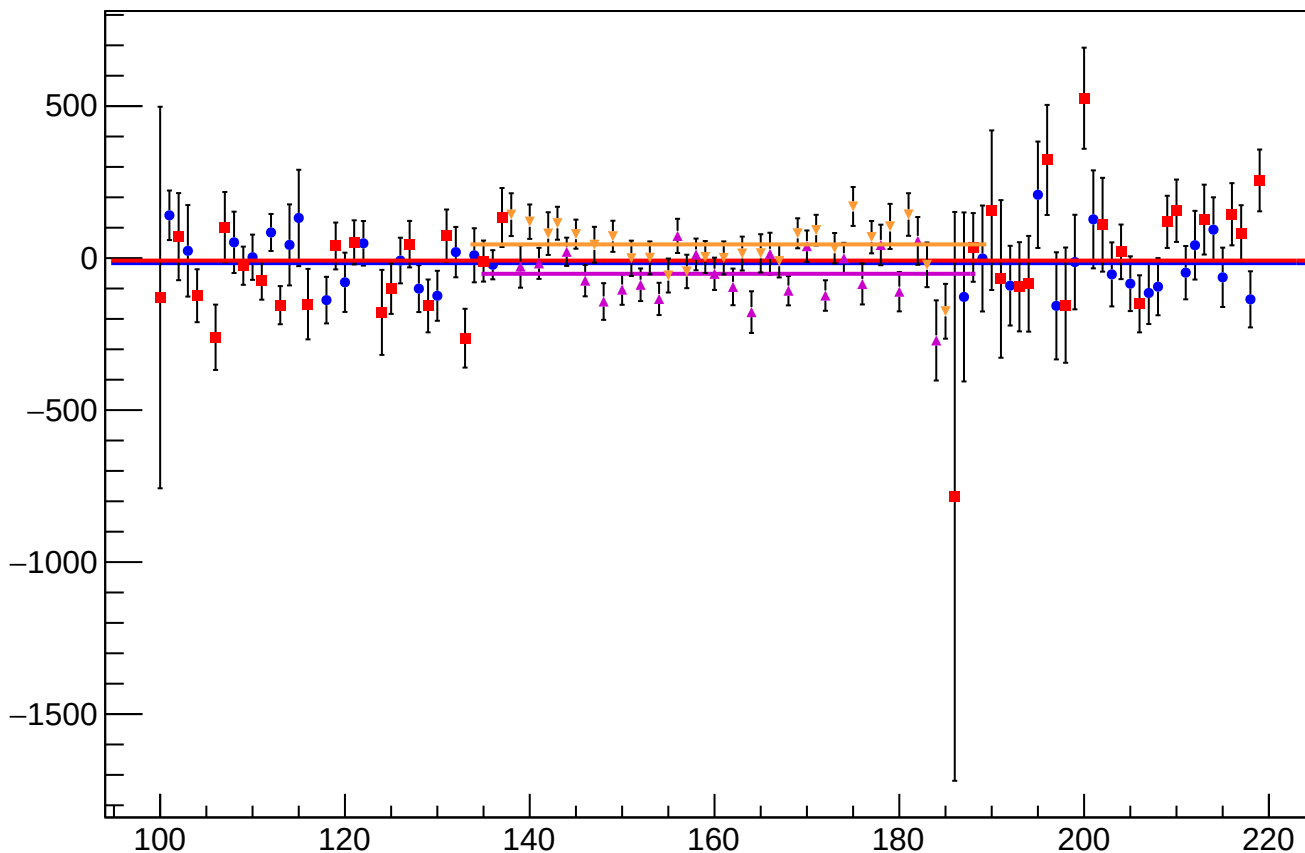
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1948585.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19208745.3/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 38571646.9/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19244959.8/59

reg_asym_sam_1357_avg_mean vs Slug



Right In: -16.617 ± 16.460 χ^2/NDF : 24.3/31

Left Out: 45.093 ± 11.495 χ^2/NDF : 31.3/24

Right Out: -8.145 ± 16.261 χ^2/NDF : 69.0/36

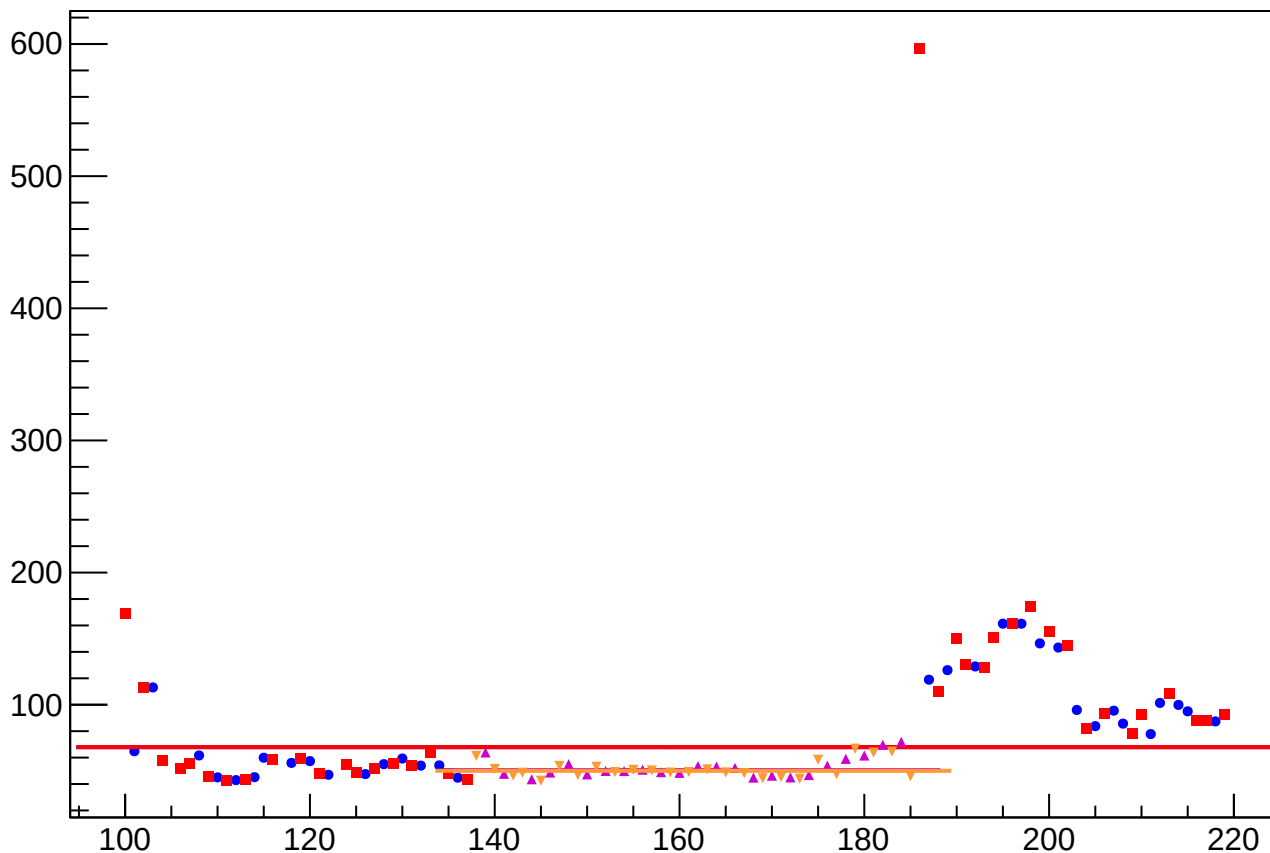
Left In: -51.616 ± 11.929 χ^2/NDF : 35.9/22

+ sign 24.864 ± 9.424 χ^2/NDF : 65.1/56

All: -5.147 ± 6.731 χ^2/NDF : 195.3/116

- sign -36.407 ± 9.618 χ^2/NDF : 109.5/59

reg_asym_sam_1357_avg_rms vs Slug



Right In: 67.873+/-0.012 χ^2/NDF : 5659524.7/31

Left Out: 50.021+/-0.008 χ^2/NDF : 509100.0/24

Right Out: 67.942+/-0.011 χ^2/NDF : 7251310.3/36

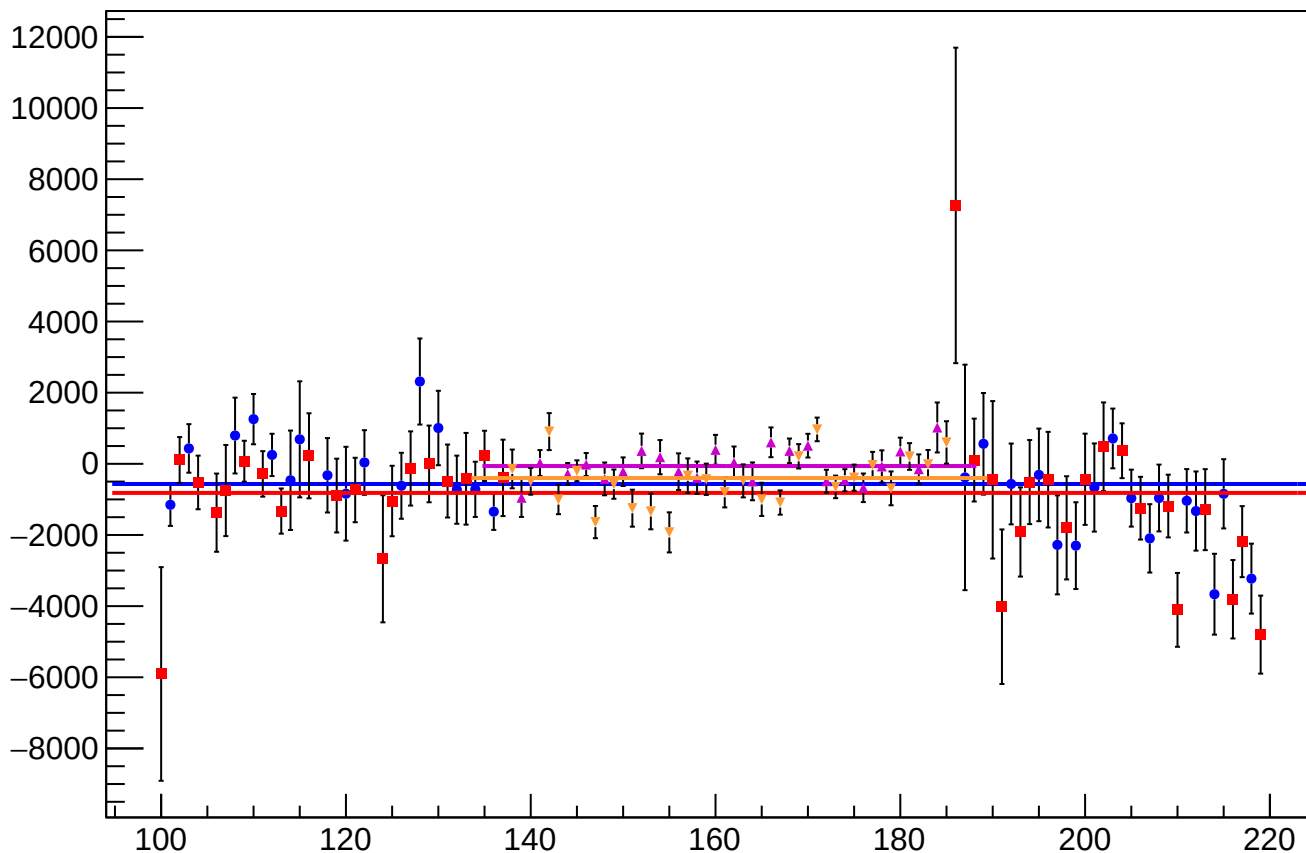
Left In: 50.512+/-0.008 χ^2/NDF : 503409.2/22

+ sign 55.873+/-0.007 χ^2/NDF : 7750049.3/56

All: 56.234+/-0.005 χ^2/NDF : 17004790.0/116

- sign 56.610+/-0.007 χ^2/NDF : 9248745.5/59

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -567.299 ± 163.232 $\chi^2/\text{NDF}: 49.8/31$

Left Out: -399.363 ± 82.064 $\chi^2/\text{NDF}: 65.4/24$

Right Out: -817.532 ± 163.292 $\chi^2/\text{NDF}: 58.6/36$

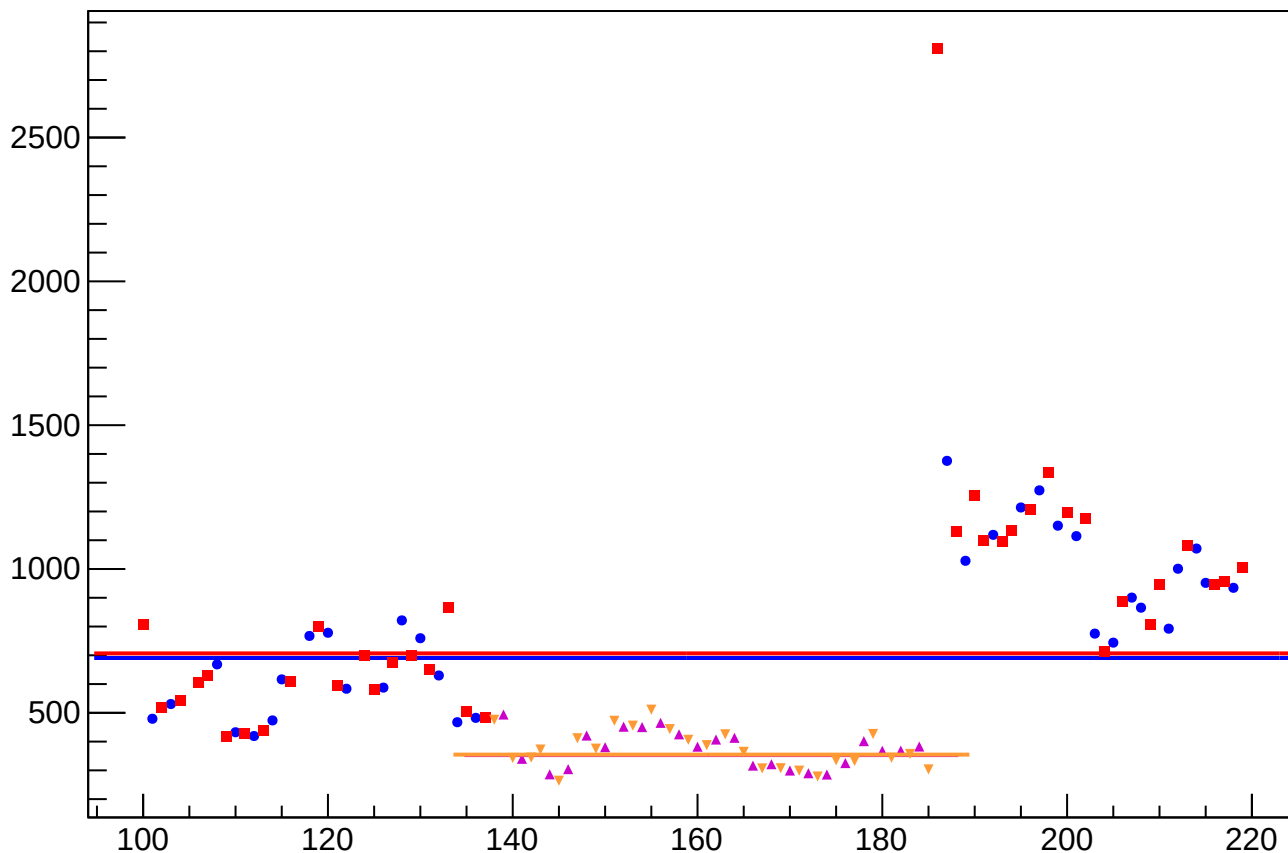
Left In: -62.038 ± 83.892 $\chi^2/\text{NDF}: 23.9/22$

+ sign -433.245 ± 73.319 $\chi^2/\text{NDF}: 116.0/56$

All: -328.402 ± 52.299 $\chi^2/\text{NDF}: 219.7/116$

- sign -219.805 ± 74.620 $\chi^2/\text{NDF}: 99.5/59$

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 690.623+/-0.115 χ^2/NDF : 4256645.4/31

Left Out: 354.670+/-0.058 χ^2/NDF : 1145465.6/24

Right Out: 706.598+/-0.115 χ^2/NDF : 5313333.4/36

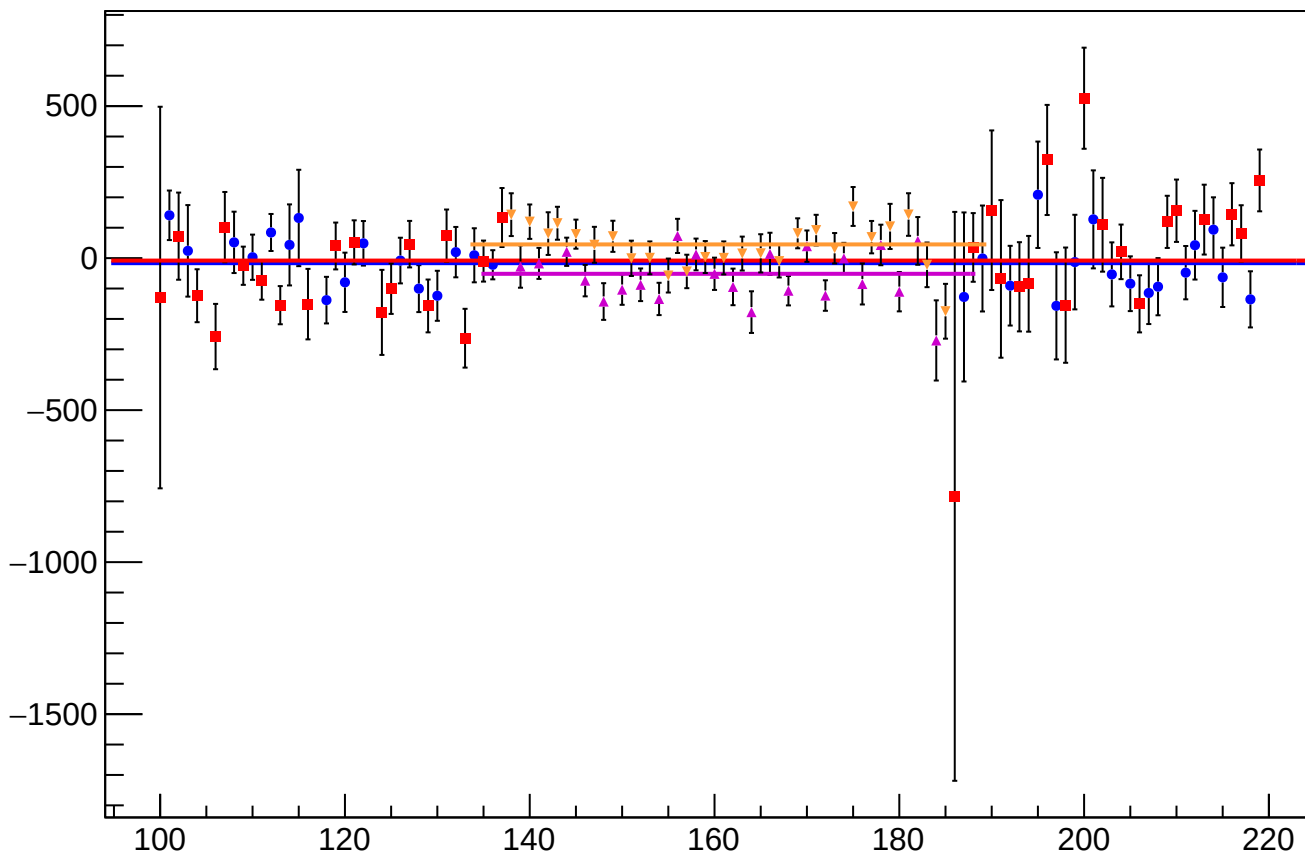
Left In: 353.110+/-0.059 χ^2/NDF : 1004127.0/22

+ sign 422.450+/-0.052 χ^2/NDF : 12164656.5/56

All: 424.649+/-0.037 χ^2/NDF : 25900931.7/11

- sign 426.927+/-0.053 χ^2/NDF : 13732611.8/59

cor_asym_sam_1357_avg_mean vs Slug



Right In: -16.621 ± 16.460 χ^2/NDF : 24.3/31

Left Out: 45.096 ± 11.495 χ^2/NDF : 31.3/24

Right Out: -8.065 ± 16.261 χ^2/NDF : 68.9/36

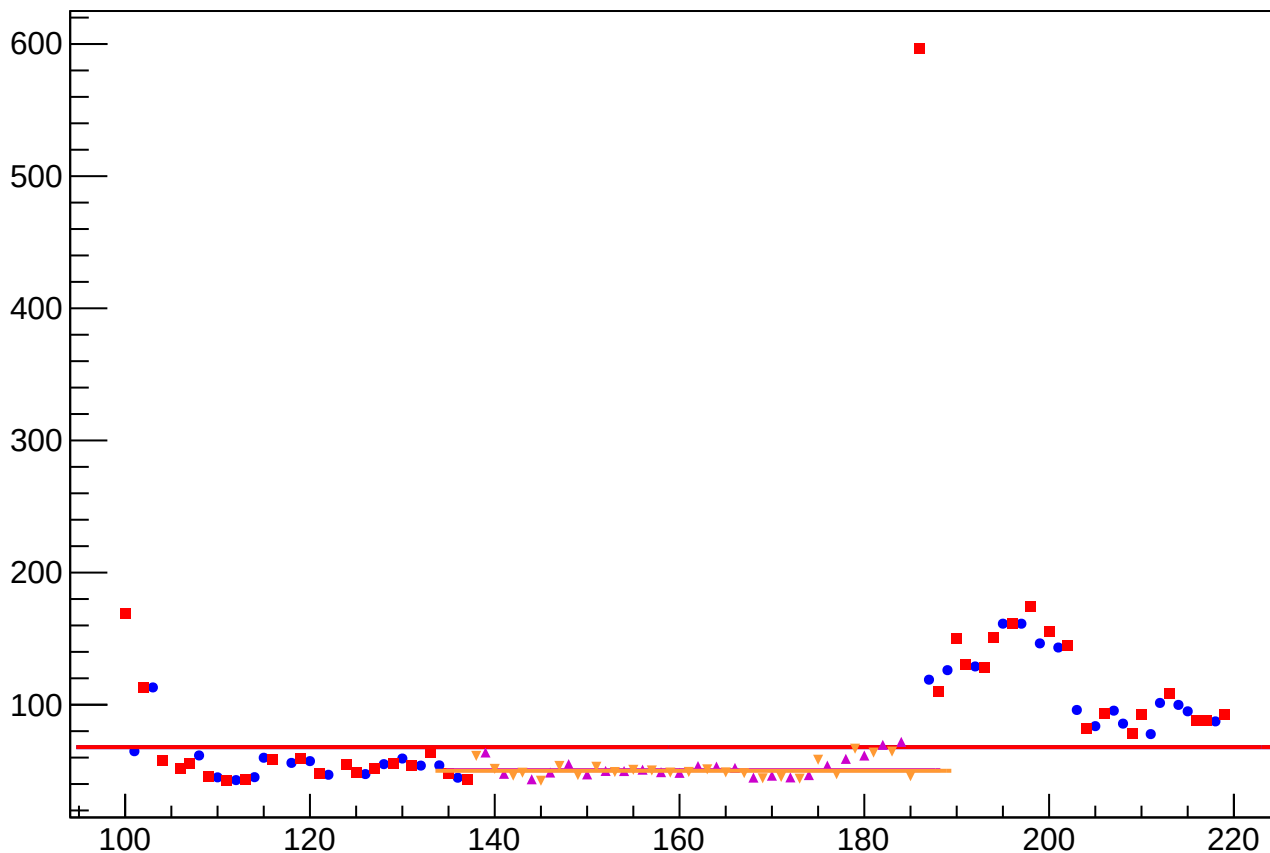
Left In: -51.616 ± 11.929 χ^2/NDF : 35.8/22

+ sign 24.865 ± 9.424 χ^2/NDF : 65.1/56

All: -5.133 ± 6.731 χ^2/NDF : 195.2/116

- sign -36.379 ± 9.618 χ^2/NDF : 109.4/59

cor_asym_sam_1357_avg_rms vs Slug



Right In: 67.873+/-0.012 χ^2/NDF : 5659527.0/31

Left Out: 50.021+/-0.008 χ^2/NDF : 509100.0/24

Right Out: 67.936+/-0.011 χ^2/NDF : 7253212.8/36

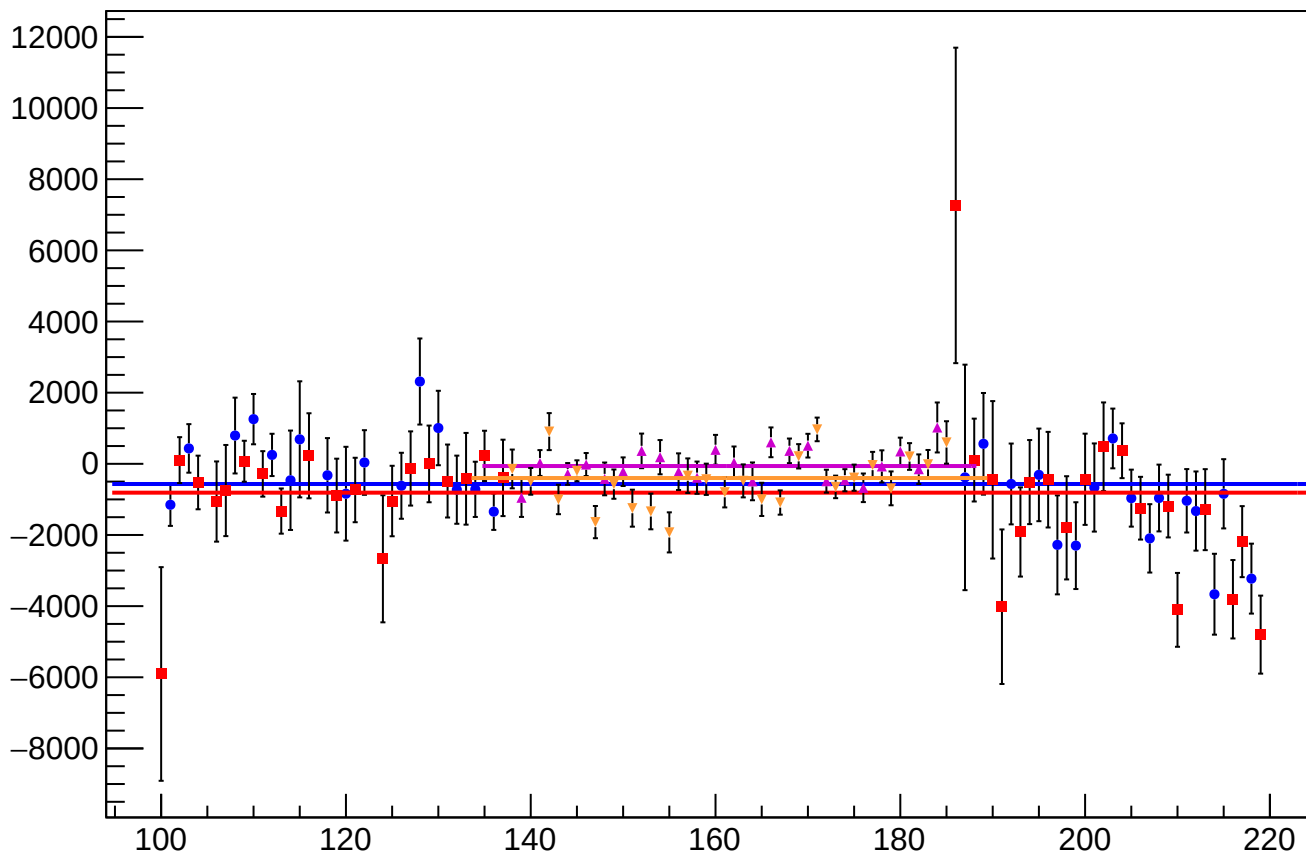
Left In: 50.512+/-0.008 χ^2/NDF : 503409.2/22

+ sign 55.873+/-0.007 χ^2/NDF : 7750051.6/56

All: 56.233+/-0.005 χ^2/NDF : 17005508.1/116

- sign 56.608+/-0.007 χ^2/NDF : 9249500.5/59

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -567.289 ± 163.233 $\chi^2/\text{NDF}: 49.8/31$

Left Out: -399.358 ± 82.064 $\chi^2/\text{NDF}: 65.4/24$

Right Out: -810.692 ± 163.391 $\chi^2/\text{NDF}: 58.4/36$

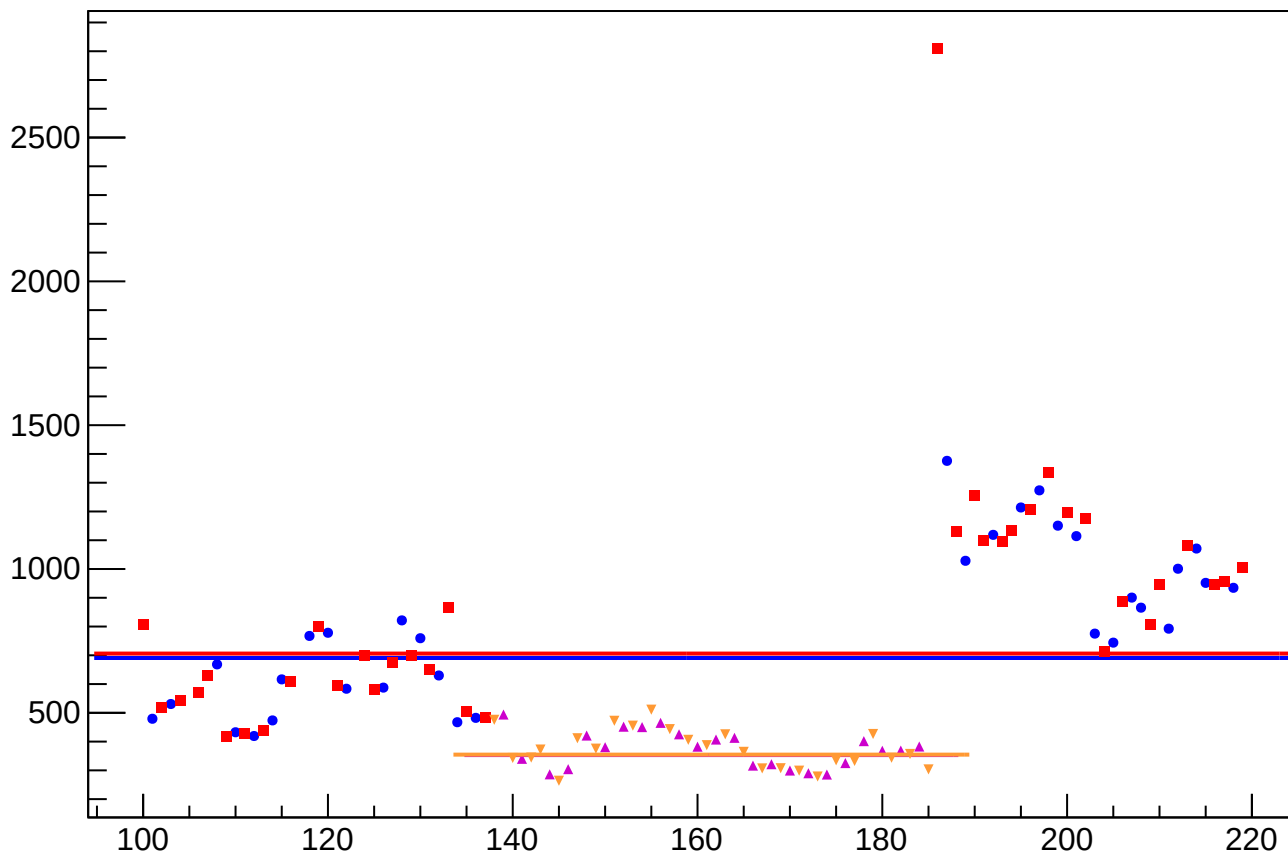
Left In: -62.038 ± 83.892 $\chi^2/\text{NDF}: 23.9/22$

+ sign -433.239 ± 73.319 $\chi^2/\text{NDF}: 116.0/56$

All: -327.637 ± 52.302 $\chi^2/\text{NDF}: 219.2/116$

- sign -218.226 ± 74.630 $\chi^2/\text{NDF}: 98.9/59$

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 690.628 $\pm$ 0.115 χ^2/NDF : 4256544.9/31

Left Out: 354.670 $\pm$ 0.058 χ^2/NDF : 1145468.3/24

Right Out: 706.017 $\pm$ 0.116 χ^2/NDF : 5324471.5/36

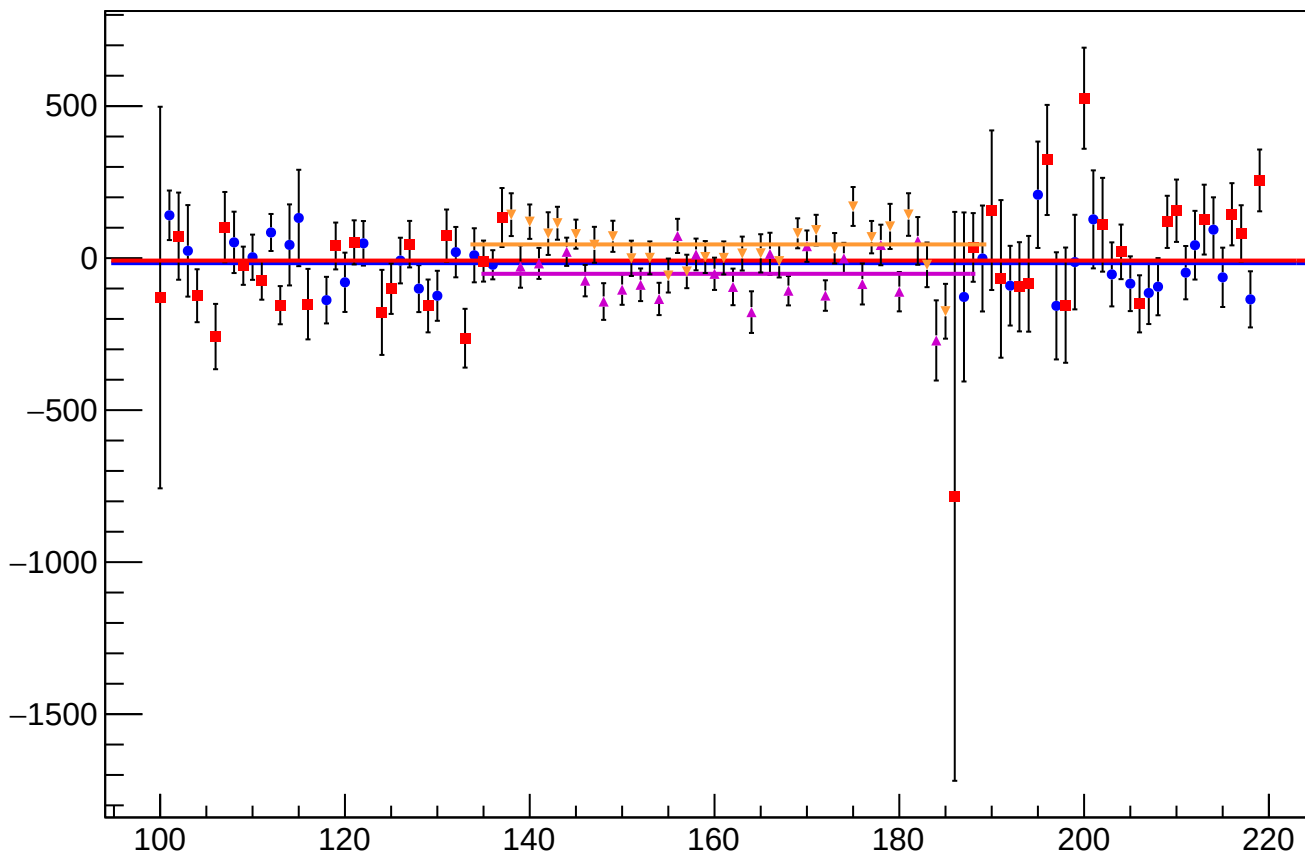
Left In: 353.110 $\pm$ 0.059 χ^2/NDF : 1004126.9/22

+ sign 422.450 $\pm$ 0.052 χ^2/NDF : 12164710.0/56

All: 424.555 $\pm$ 0.037 χ^2/NDF : 25880360.3/131

- sign 426.735 $\pm$ 0.053 χ^2/NDF : 13712295.2/59

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -16.621 ± 16.460 χ^2/NDF : 24.3/31

Left Out: 45.096 ± 11.495 χ^2/NDF : 31.3/24

Right Out: -8.065 ± 16.261 χ^2/NDF : 68.9/36

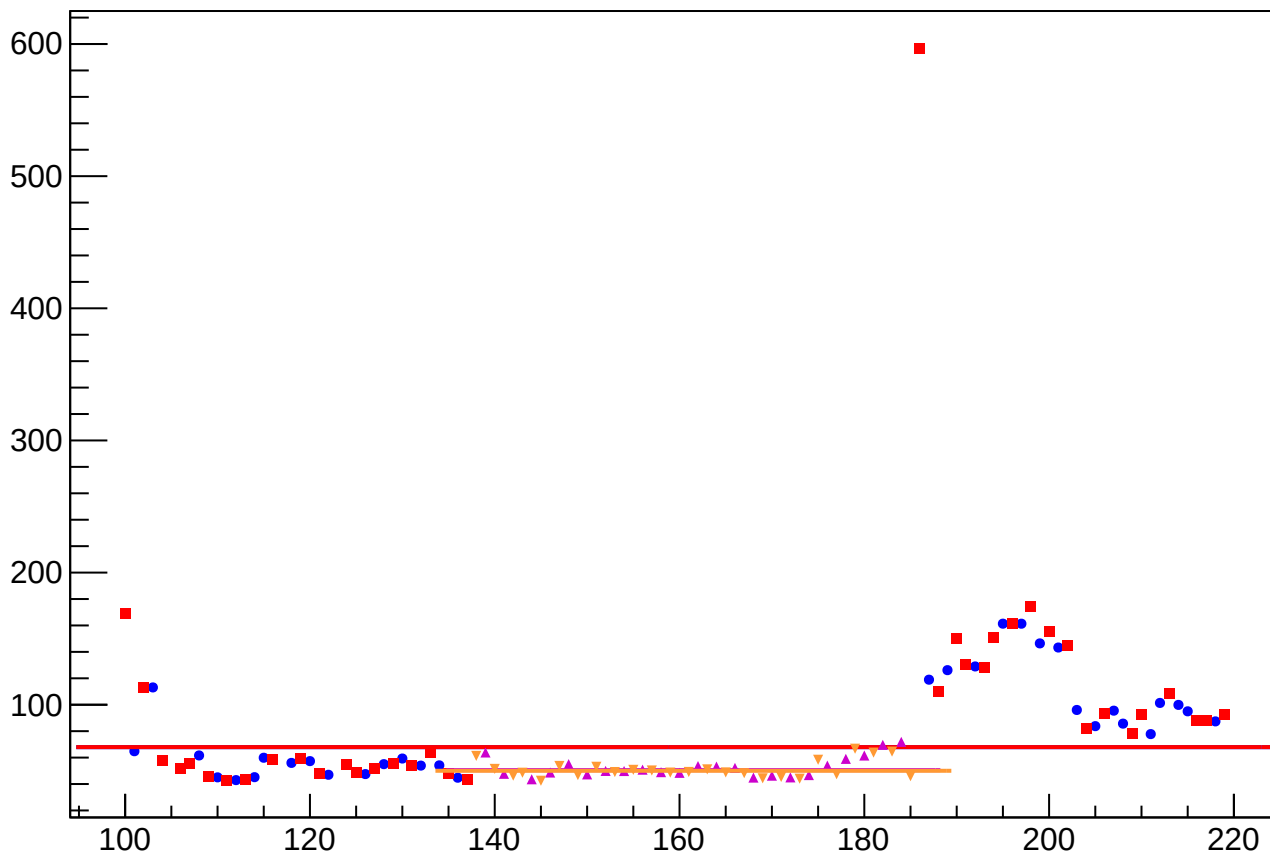
Left In: -51.616 ± 11.929 χ^2/NDF : 35.8/22

+ sign 24.865 ± 9.424 χ^2/NDF : 65.1/56

All: -5.133 ± 6.731 χ^2/NDF : 195.2/116

- sign -36.379 ± 9.618 χ^2/NDF : 109.4/59

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 67.873 $\pm$ 0.012 χ^2 /NDF: 5659527.0/31

Left Out: 50.021 $\pm$ 0.008 χ^2 /NDF: 509100.0/24

Right Out: 67.936 $\pm$ 0.011 χ^2 /NDF: 7253212.8/36

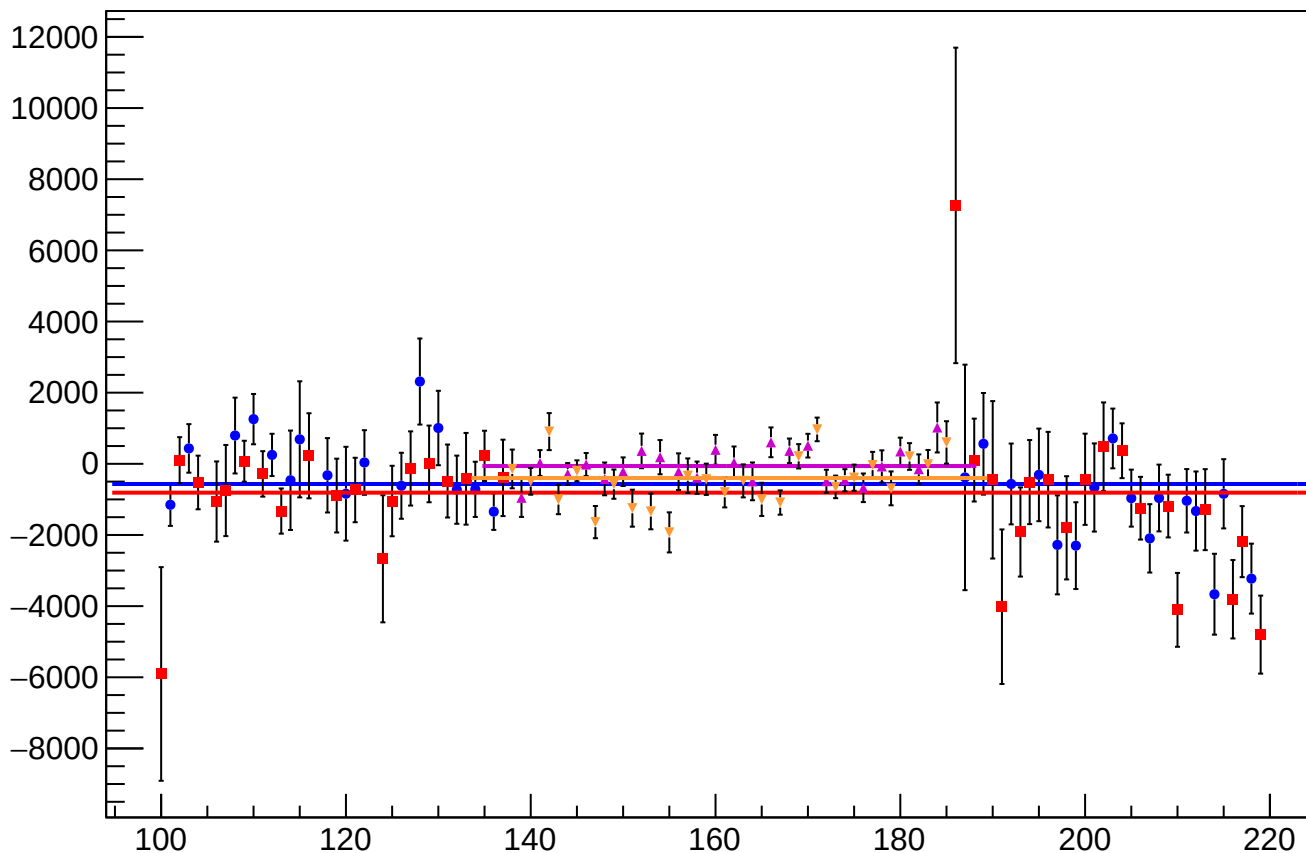
Left In: 50.512 $\pm$ 0.008 χ^2 /NDF: 503409.2/22

+ sign 55.873 $\pm$ 0.007 χ^2 /NDF: 7750051.6/56

All: 56.233 $\pm$ 0.005 χ^2 /NDF: 17005508.1/116

- sign 56.608 $\pm$ 0.007 χ^2 /NDF: 9249500.5/59

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug



Right In: -567.289 ± 163.233 χ^2/NDF : 49.8/31

Left Out: -399.358 ± 82.064 χ^2/NDF : 65.4/24

Right Out: -810.692 ± 163.391 χ^2/NDF : 58.4/36

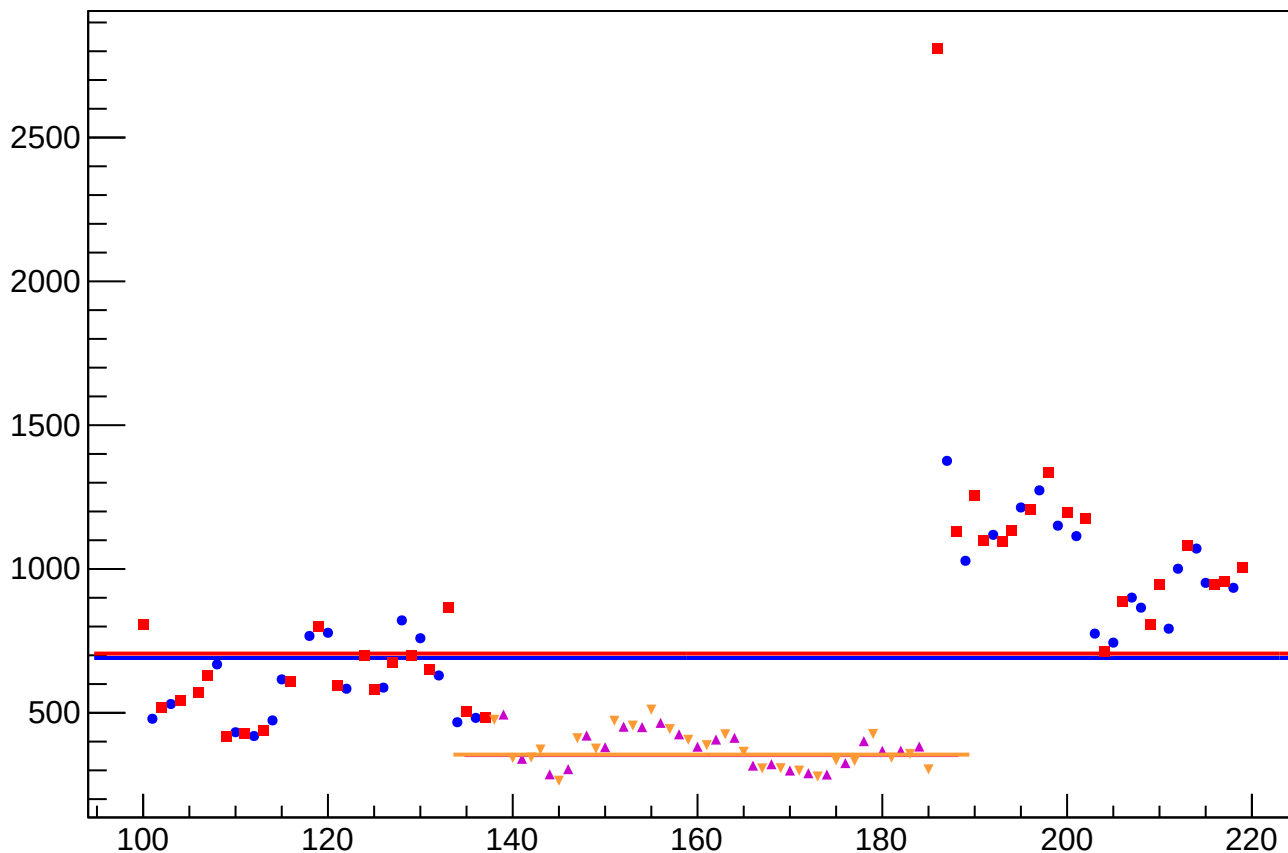
Left In: -62.038 ± 83.892 χ^2/NDF : 23.9/22

+ sign -433.239 ± 73.319 χ^2/NDF : 116.0/56

All: -327.637 ± 52.302 χ^2/NDF : 219.2/116

- sign -218.226 ± 74.630 χ^2/NDF : 98.9/59

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug



Right In: 690.628 ± 0.115 $\chi^2/\text{NDF}: 4256544.9/31$

Left Out: 354.670 ± 0.058 $\chi^2/\text{NDF}: 1145468.3/24$

Right Out: 706.017 ± 0.116 $\chi^2/\text{NDF}: 5324471.5/36$

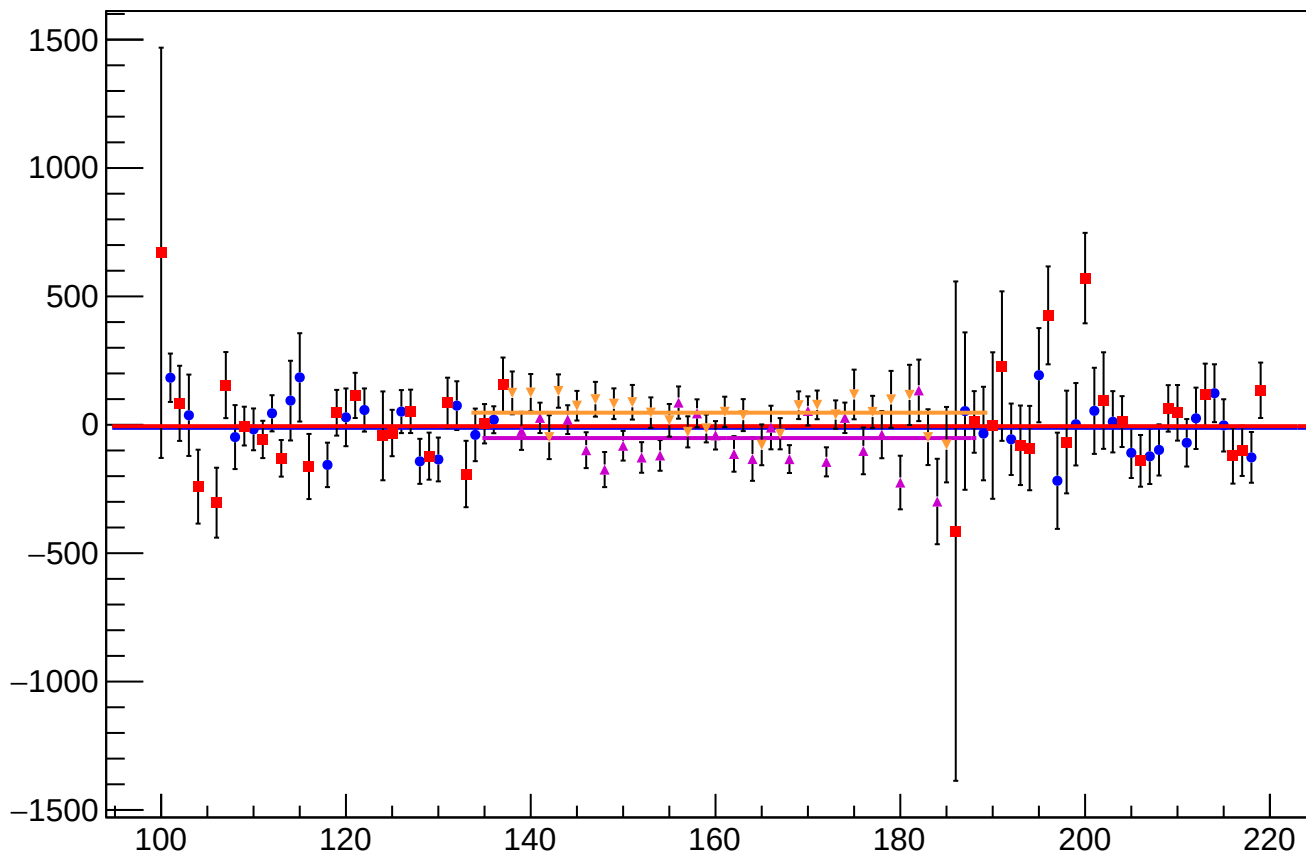
Left In: 353.110 ± 0.059 $\chi^2/\text{NDF}: 1004126.9/22$

+ sign 422.450 ± 0.052 $\chi^2/\text{NDF}: 12164710.0/56$

All: 424.555 ± 0.037 $\chi^2/\text{NDF}: 25880360.3/1$

- sign 426.735 ± 0.053 $\chi^2/\text{NDF}: 13712295.2/59$

dit_asym_sam_1357_avg_mean vs Slug



Right In: -11.762 ± 18.167 χ^2/NDF : 25.5/31

Left Out: 47.151 ± 13.511 χ^2/NDF : 17.0/24

Right Out: -5.347 ± 18.362 χ^2/NDF : 49.9/36

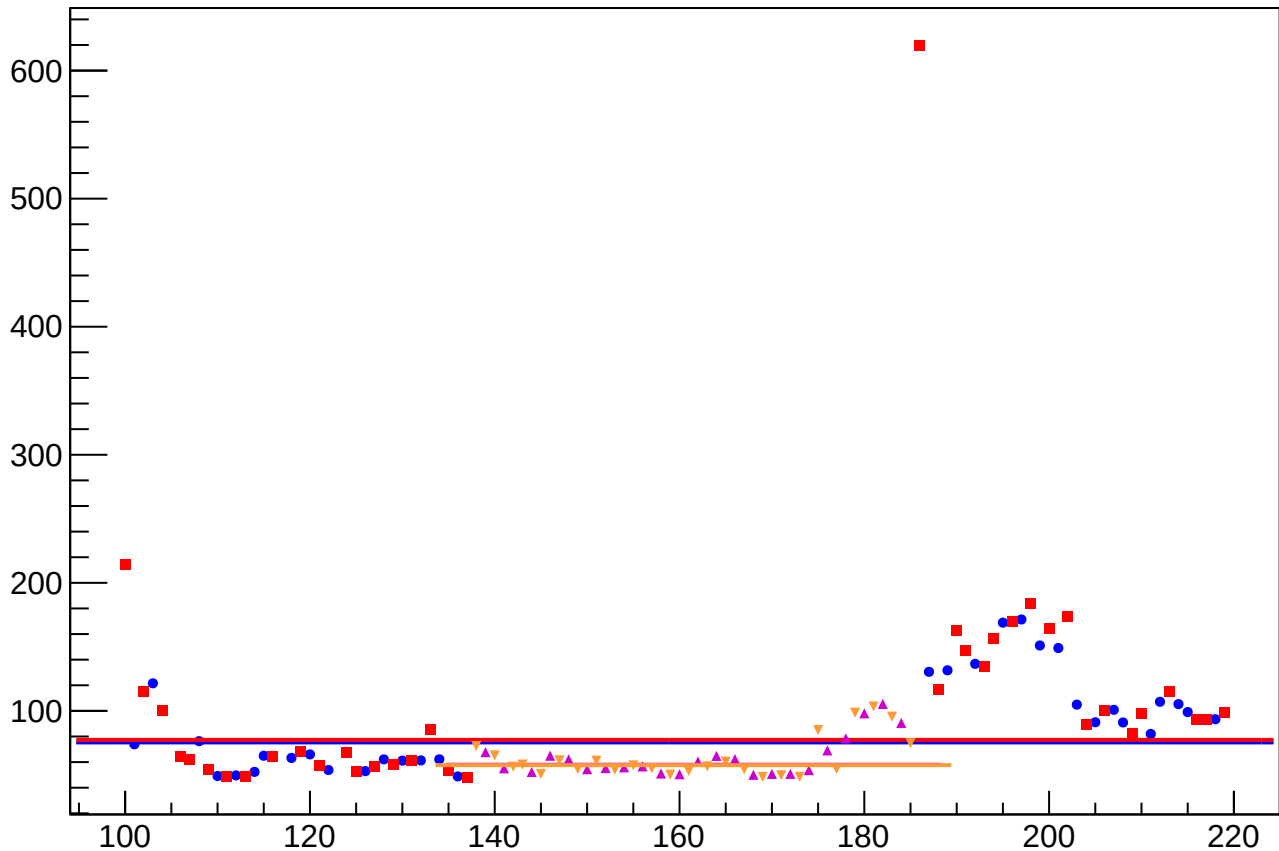
Left In: -51.652 ± 13.934 χ^2/NDF : 38.2/22

+ sign 26.170 ± 10.842 χ^2/NDF : 49.3/56

All: -3.565 ± 7.756 χ^2/NDF : 156.8/116

- sign -34.731 ± 11.100 χ^2/NDF : 92.1/59

dit_asym_sam_1357_avg_rms vs Slug



Right In: 75.389 $\pm$ 0.013 χ^2 /NDF: 5039001.4/31

Left Out: 57.631 $\pm$ 0.010 χ^2 /NDF: 1365448.6/24

Right Out: 77.355 $\pm$ 0.013 χ^2 /NDF: 6515171.2/36

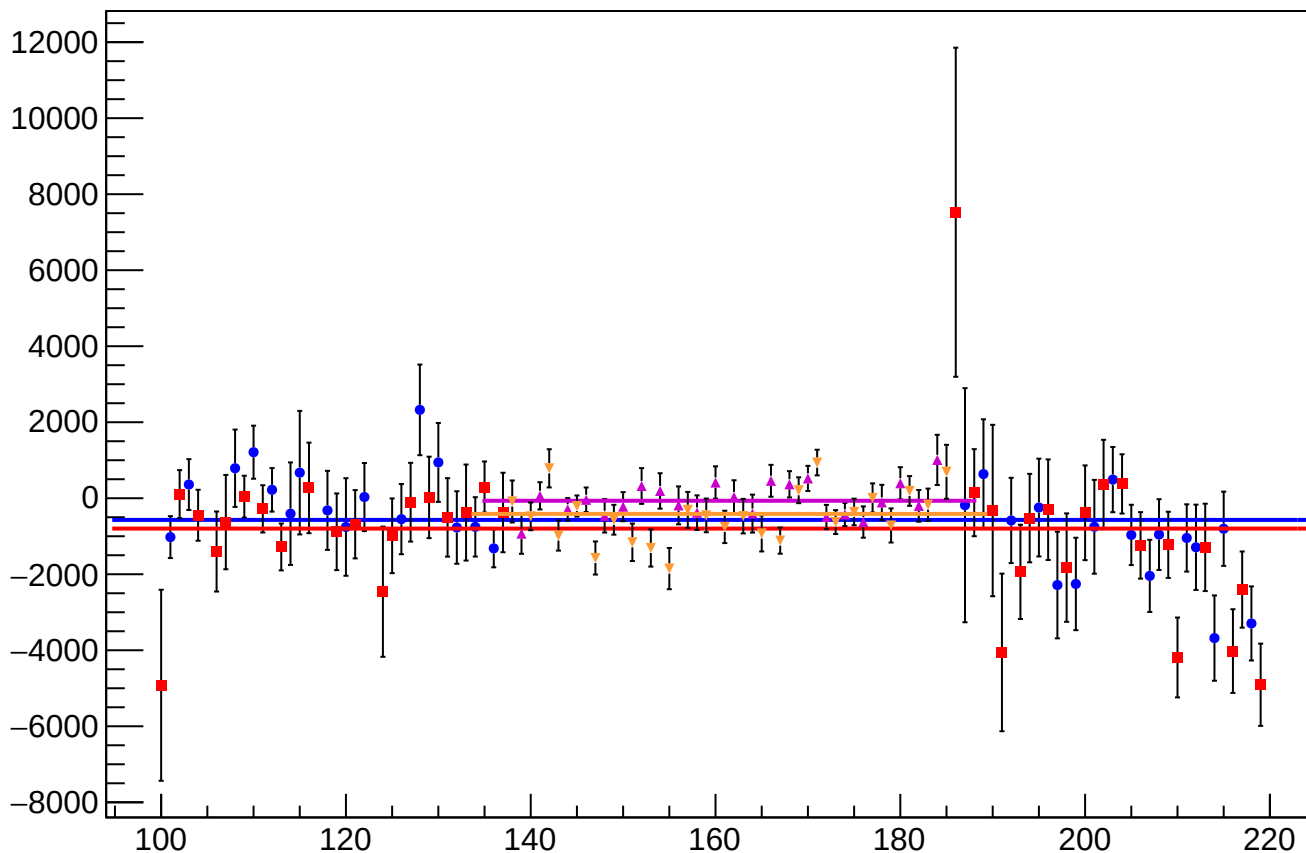
Left In: 57.940 $\pm$ 0.010 χ^2 /NDF: 1124523.3/22

+ sign 63.955 $\pm$ 0.008 χ^2 /NDF: 7634775.1/56

All: 64.482 $\pm$ 0.005 χ^2 /NDF: 16703151.8/116

- sign 65.035 $\pm$ 0.008 χ^2 /NDF: 9058692.3/59

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -570.090 ± 160.433 $\chi^2/\text{NDF}: 49.1/31$

Left Out: -413.053 ± 81.134 $\chi^2/\text{NDF}: 61.3/24$

Right Out: -798.519 ± 159.231 $\chi^2/\text{NDF}: 63.3/36$

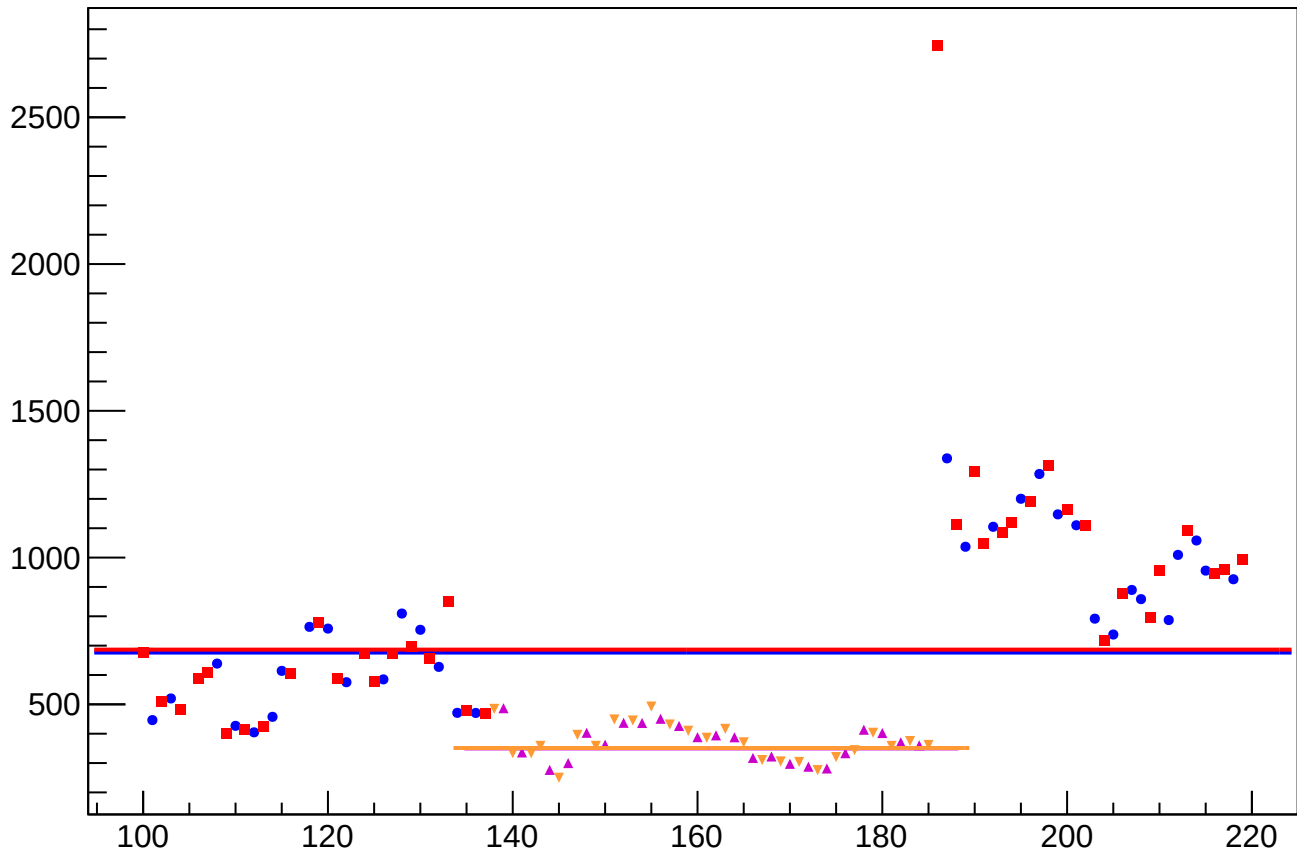
Left In: -66.637 ± 83.082 $\chi^2/\text{NDF}: 22.9/22$

+ sign -445.036 ± 72.402 $\chi^2/\text{NDF}: 111.2/56$

All: -336.050 ± 51.634 $\chi^2/\text{NDF}: 218.7/116$

- sign -223.250 ± 73.658 $\chi^2/\text{NDF}: 102.8/59$

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 676.384 $\pm$ 0.113 χ^2 /NDF: 4530986.0/31

Left Out: 351.264 $\pm$ 0.057 χ^2 /NDF:1118247.7/24

Right Out: 686.431 $\pm$ 0.113 χ^2 /NDF: 5623784.7/36

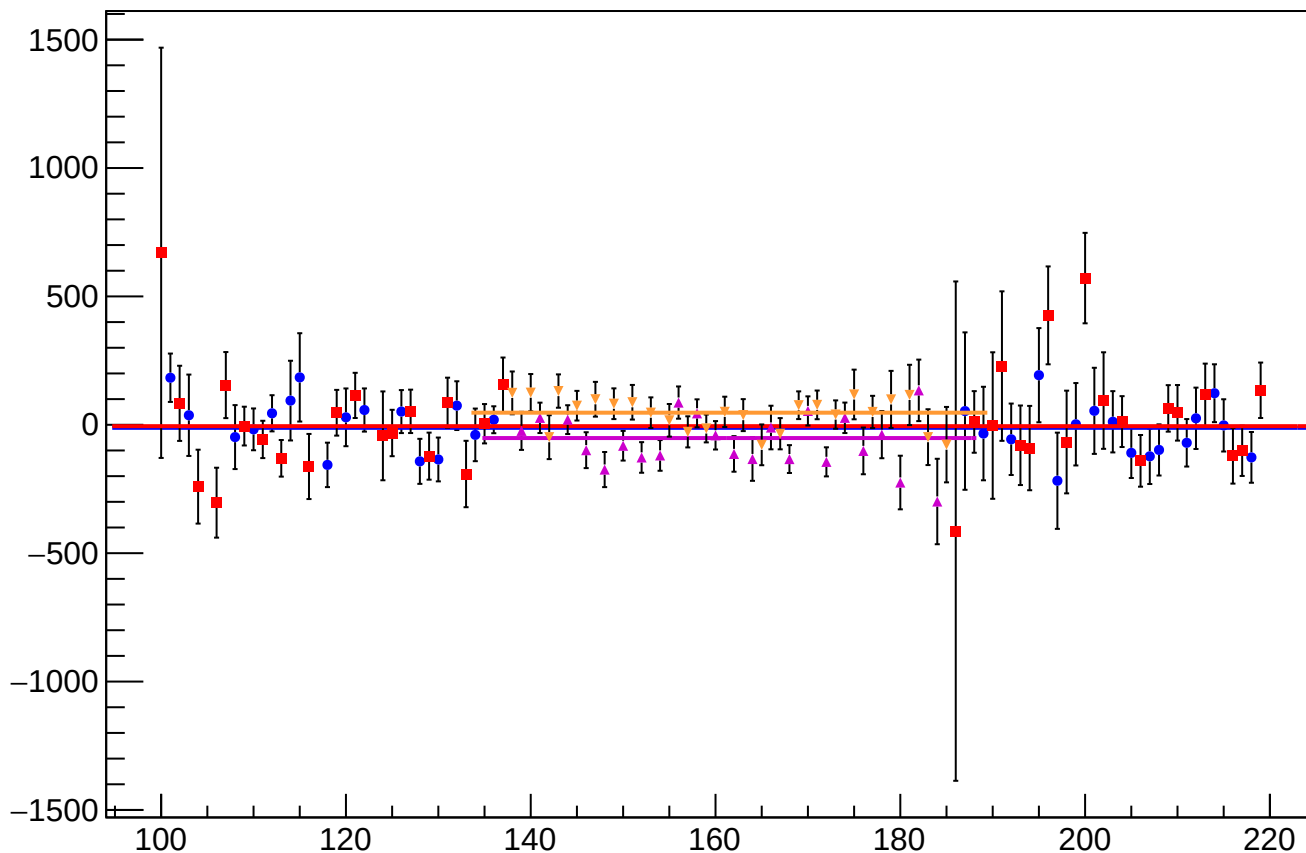
Left In: 349.813 $\pm$ 0.059 χ^2 /NDF:990366.6/22

+ sign 417.480 $\pm$ 0.051 χ^2 /NDF: 12189943.9/56

All: 419.625 $\pm$ 0.037 χ^2 /NDF: 25833213.5/11

- sign 421.845 $\pm$ 0.052 χ^2 /NDF: 13639697.6/59

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -11.762 ± 18.167 $\chi^2/\text{NDF}: 25.5/31$

Left Out: 47.151 ± 13.511 $\chi^2/\text{NDF}: 17.0/24$

Right Out: -5.346 ± 18.362 $\chi^2/\text{NDF}: 49.9/36$

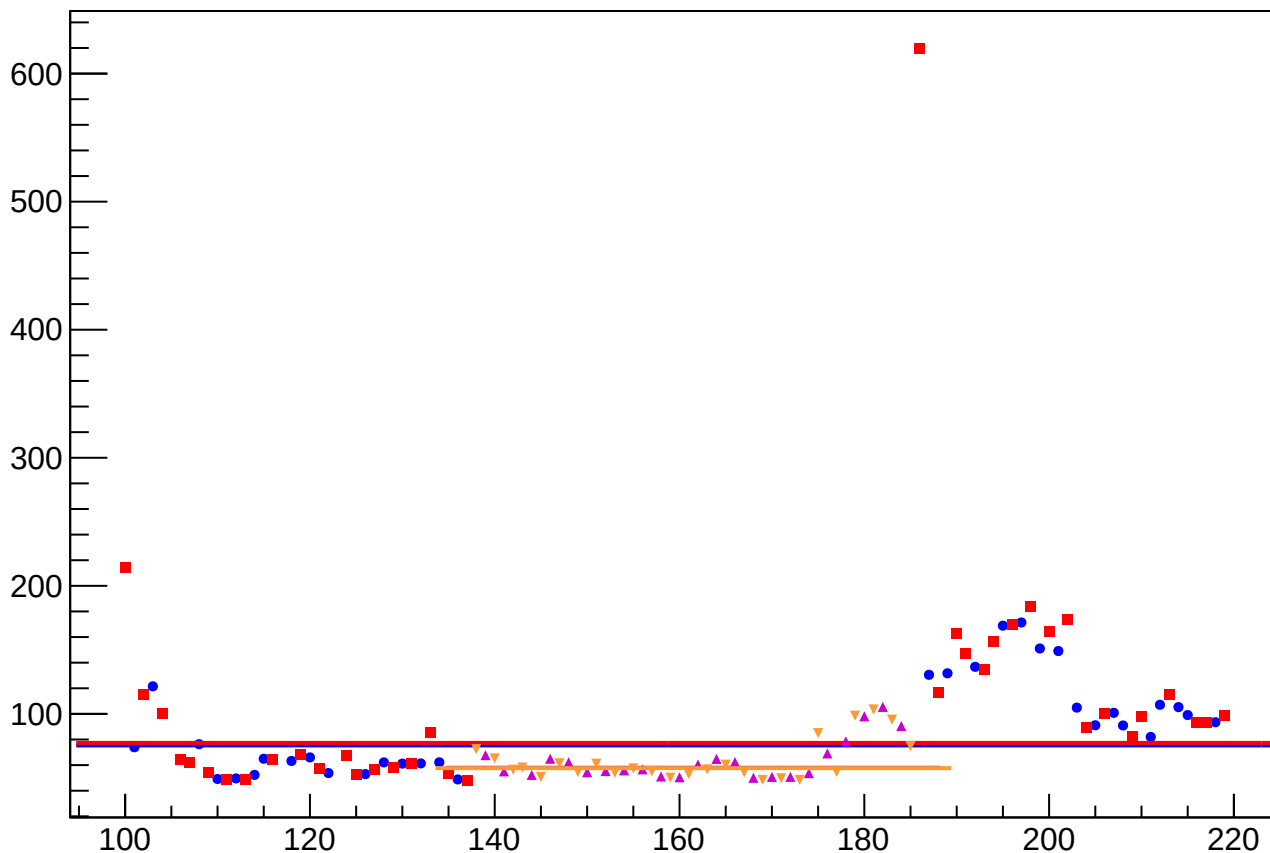
Left In: -51.651 ± 13.934 $\chi^2/\text{NDF}: 38.2/22$

+ sign 26.170 ± 10.842 $\chi^2/\text{NDF}: 49.3/56$

All: -3.564 ± 7.756 $\chi^2/\text{NDF}: 156.8/116$

- sign -34.730 ± 11.100 $\chi^2/\text{NDF}: 92.1/59$

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 75.389 $\pm$ 0.013 χ^2 /NDF: 5038973.7/31

Left Out: 57.631 $\pm$ 0.010 χ^2 /NDF:1365443.1/24

Right Out: 77.356 $\pm$ 0.013 χ^2 /NDF: 6515147.0/36

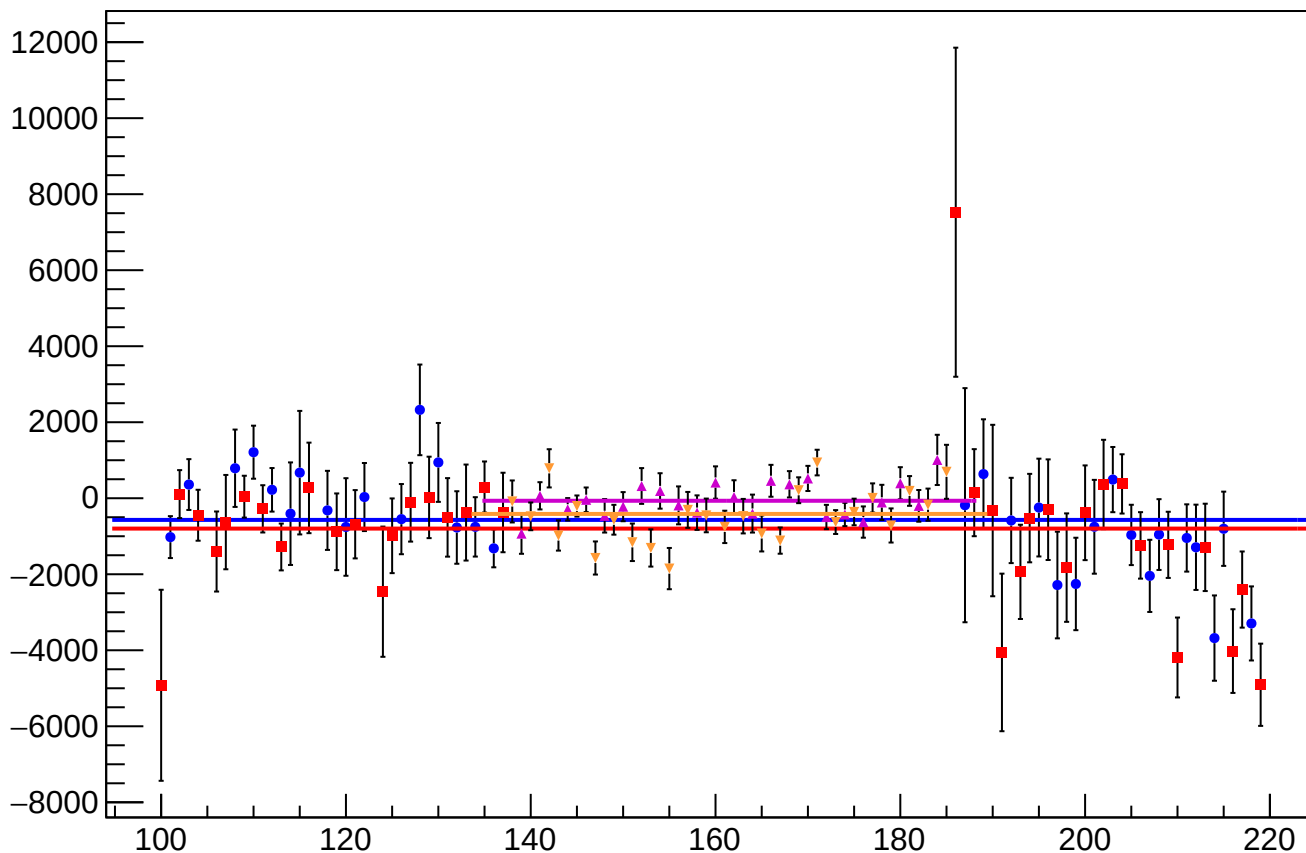
Left In: 57.940 $\pm$ 0.010 χ^2 /NDF:1124509.8/22

+ sign 63.955 $\pm$ 0.008 χ^2 /NDF: 7634738.7/56

All: 64.482 $\pm$ 0.005 χ^2 /NDF: 16703071.1/116

- sign 65.035 $\pm$ 0.008 χ^2 /NDF: 9058647.5/59

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug



Right In: -570.088 ± 160.433 χ^2/NDF : 49.1/31

Left Out: -413.053 ± 81.134 χ^2/NDF : 61.3/24

Right Out: -798.517 ± 159.231 χ^2/NDF : 63.3/36

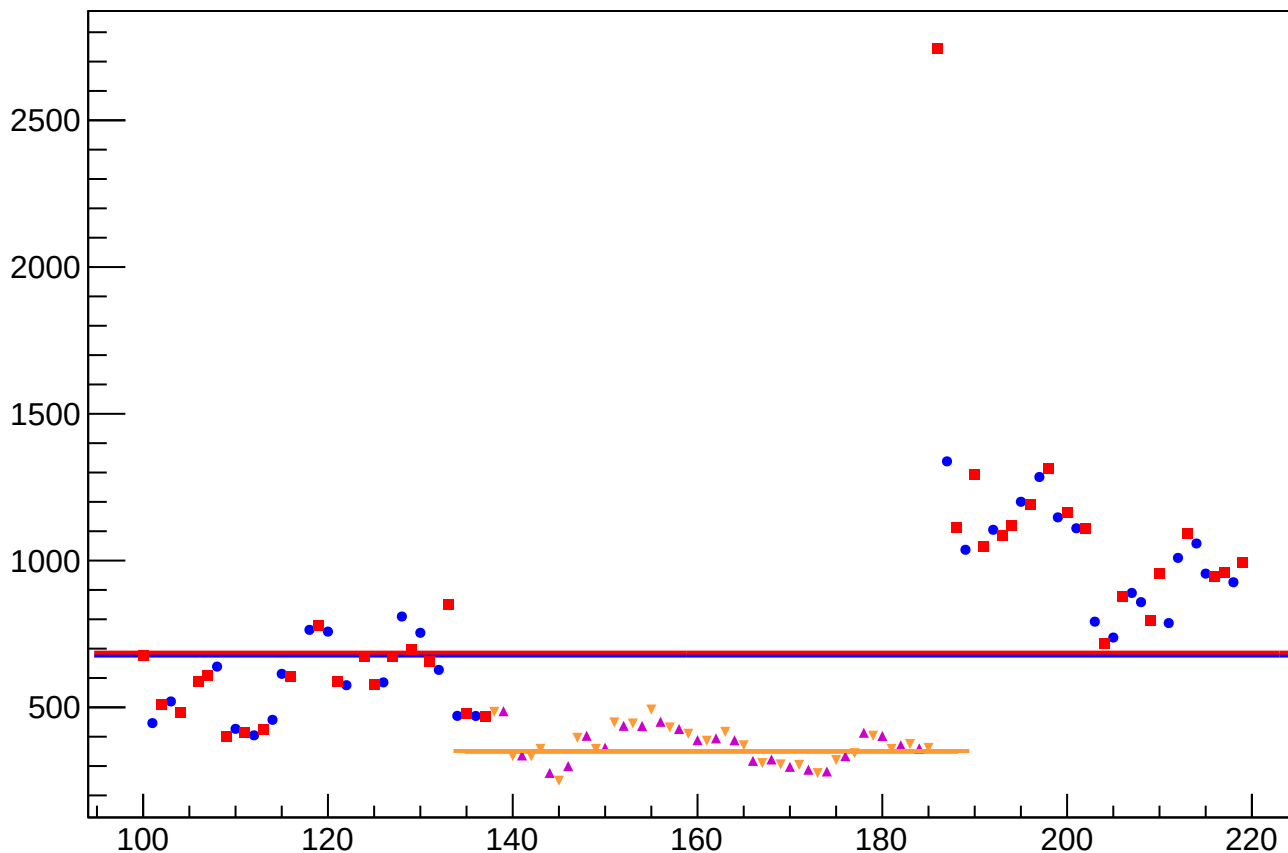
Left In: -66.637 ± 83.082 χ^2/NDF : 22.9/22

+ sign -445.036 ± 72.402 χ^2/NDF : 111.2/56

All: -336.050 ± 51.634 χ^2/NDF : 218.7/116

- sign -223.250 ± 73.658 χ^2/NDF : 102.8/59

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug



Right In: 676.382 ± 0.113 $\chi^2/\text{NDF}: 4530999.1/31$

Left Out: 351.264 ± 0.057 $\chi^2/\text{NDF}: 1118243.1/24$

Right Out: 686.430 ± 0.113 $\chi^2/\text{NDF}: 5623794.2/36$

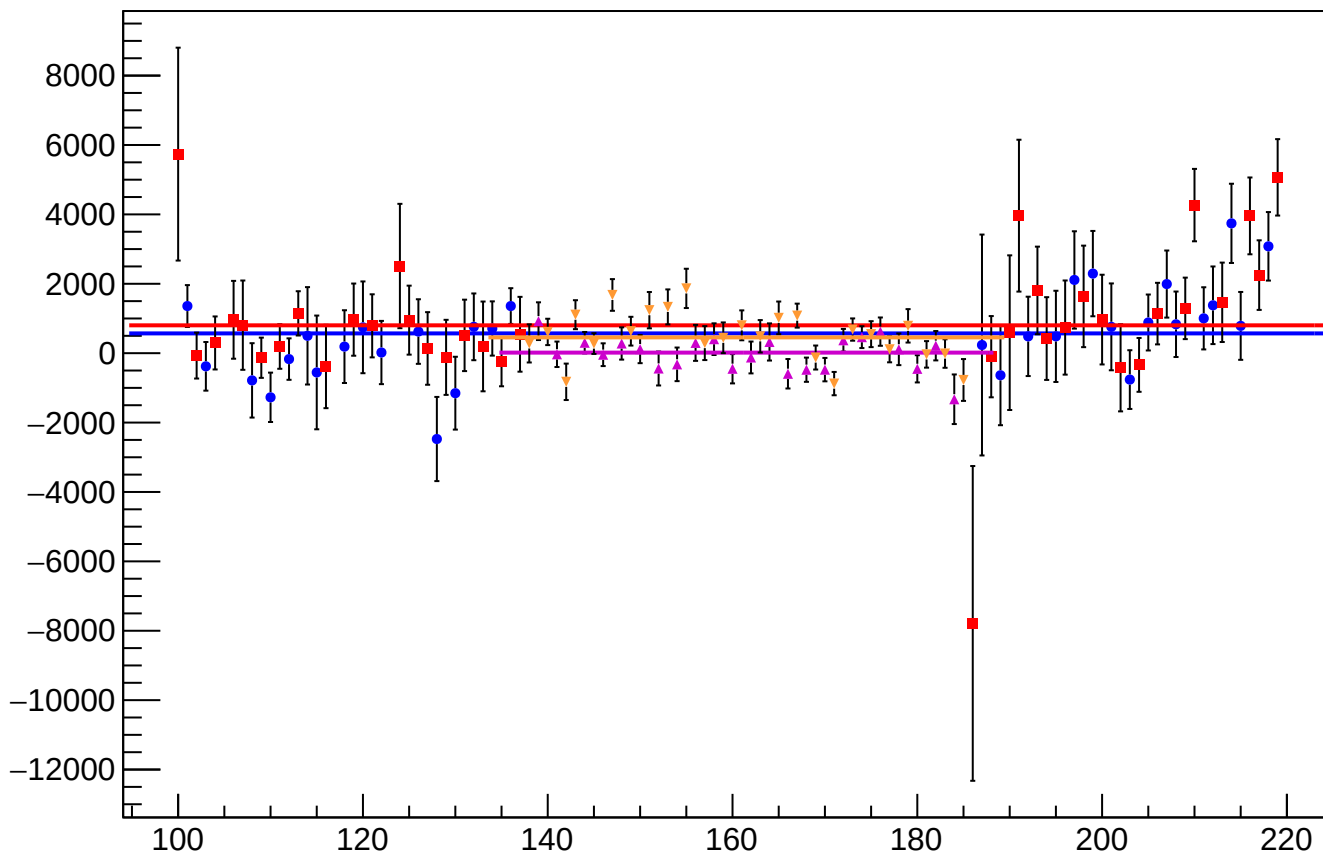
Left In: 349.813 ± 0.059 $\chi^2/\text{NDF}: 990359.9/22$

+ sign 417.479 ± 0.051 $\chi^2/\text{NDF}: 12189937.3/56$

All: 419.624 ± 0.037 $\chi^2/\text{NDF}: 25833187.3/11$

- sign 421.844 ± 0.052 $\chi^2/\text{NDF}: 13639677.8/59$

asym_sam_1357_avg_mean vs Slug



Right In: 569.900 ± 164.463 χ^2/NDF : 49.5/31

Left Out: 455.234 ± 82.961 χ^2/NDF : 60.8/24

Right Out: 802.717 ± 164.522 χ^2/NDF : 61.7/36

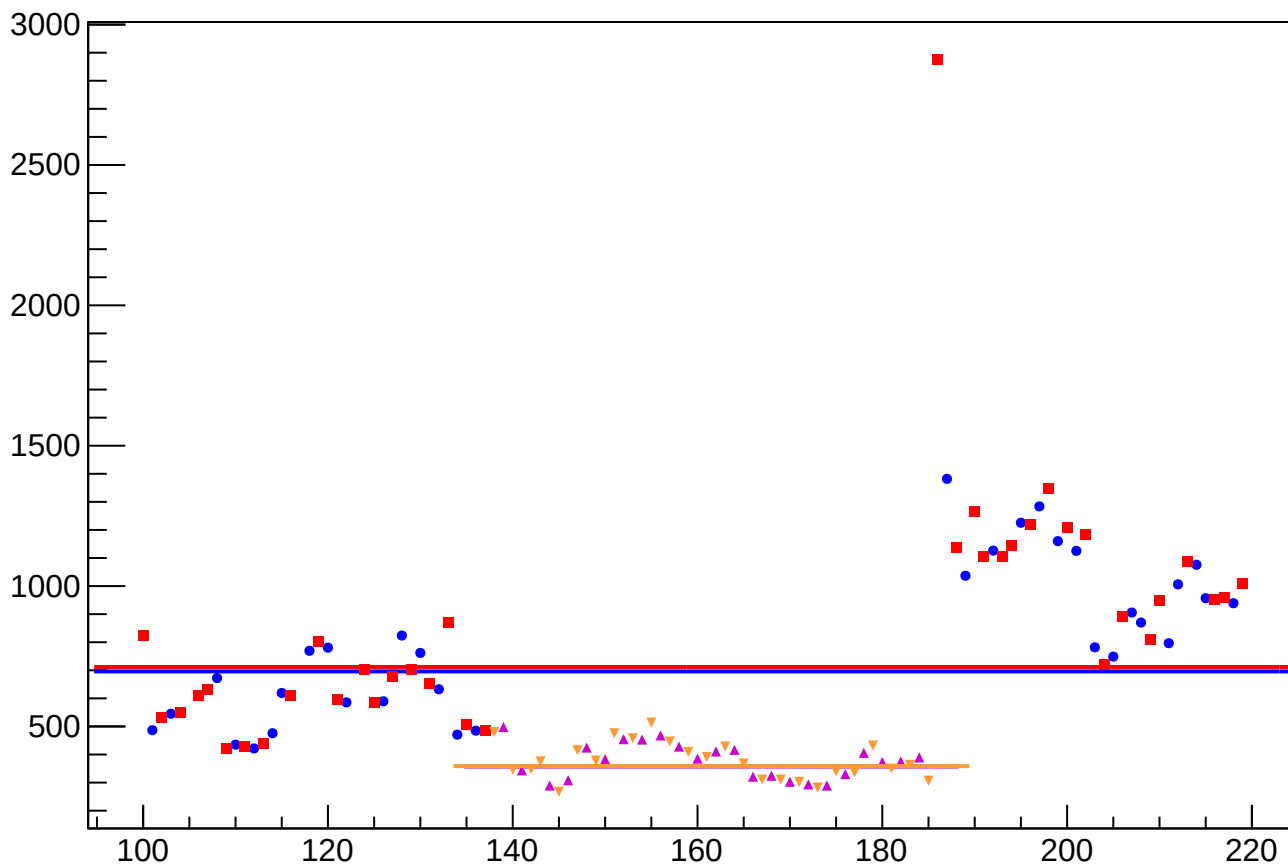
Left In: 16.073 ± 84.830 χ^2/NDF : 24.9/22

+ sign 478.493 ± 74.070 χ^2/NDF : 110.8/56

All: 332.529 ± 52.839 χ^2/NDF : 223.2/116

- sign 181.287 ± 75.398 χ^2/NDF : 104.6/59

asym_sam_1357_avg_rms vs Slug



Right In: 696.039+/-0.116 χ^2/NDF : 4232584.8/31

Left Out: 358.677+/-0.059 χ^2/NDF :1119535.1/24

Right Out: 711.886+/-0.116 χ^2/NDF : 5300301.4/36

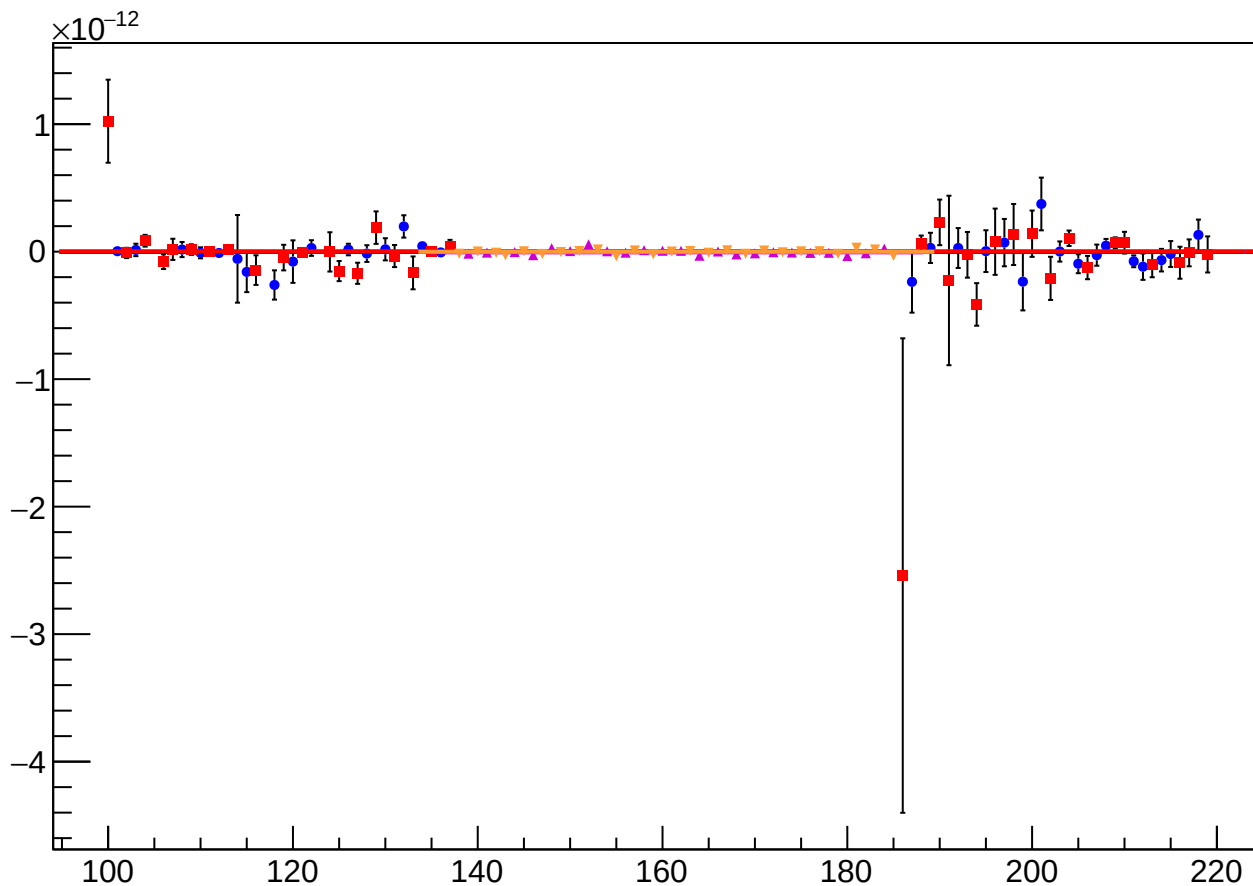
Left In: 357.182+/-0.060 χ^2/NDF :981641.8/22

+ sign 427.107+/-0.052 χ^2/NDF : 12060731.3/56

All: 429.352+/-0.037 χ^2/NDF : 25690298.7/11

- sign 431.678+/-0.053 χ^2/NDF : 13625826.6/59

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.4/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 18.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 52.8/36

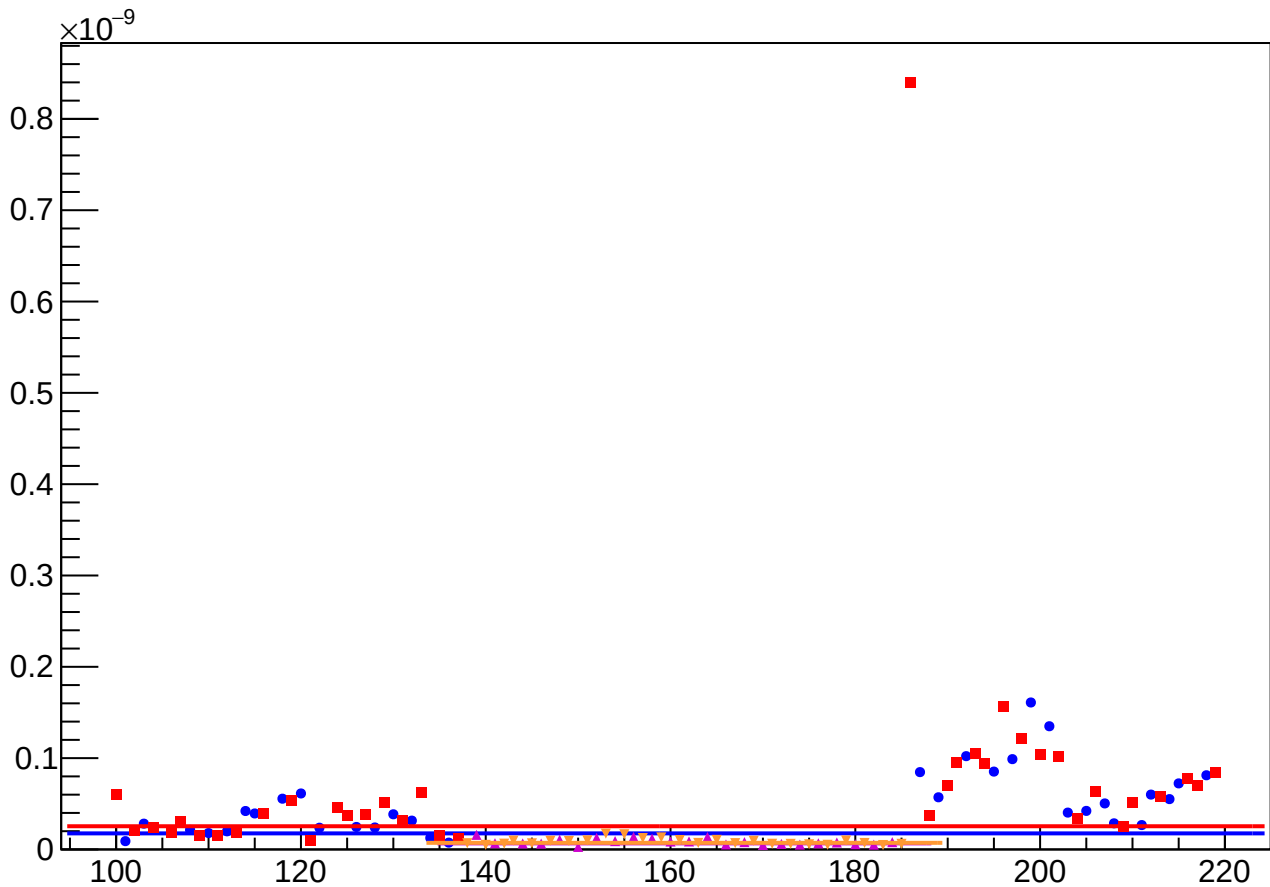
Left In: -0.000 ± 0.000 χ^2/NDF : 28.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 45.6/56

All: -0.000 ± 0.000 χ^2/NDF : 128.6/116

- sign -0.000 ± 0.000 χ^2/NDF : 81.9/59

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8137962.2/31

Left Out: 0.000+/-0.000 χ^2/NDF :1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6682108.8/36

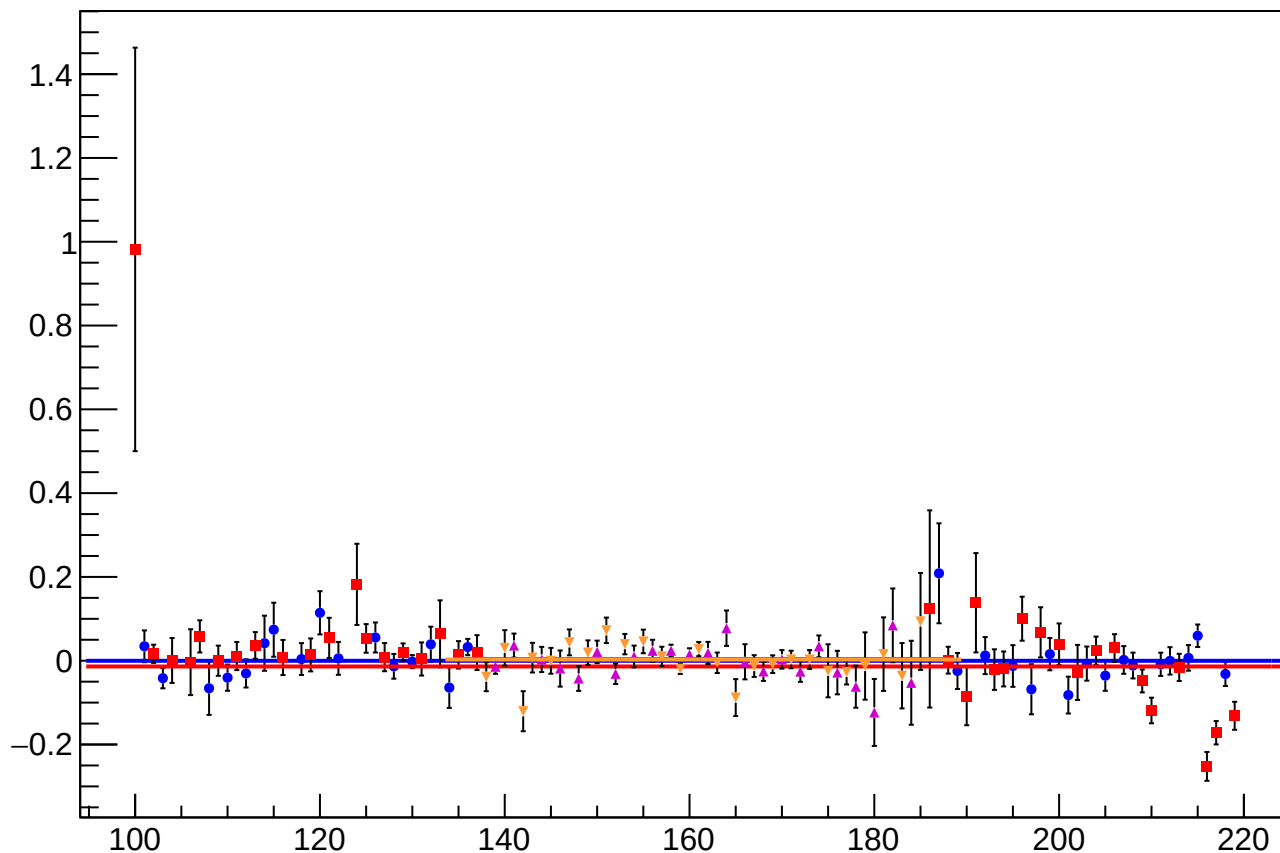
Left In: 0.000+/-0.000 χ^2/NDF :1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 12282207.2/56

All: 0.000+/-0.000 χ^2/NDF : 26387903.6/116

- sign 0.000+/-0.000 χ^2/NDF : 14077275.5/59

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.006 χ^2/NDF : 38.0/31

Left Out: 0.003 ± 0.005 χ^2/NDF : 32.8/24

Right Out: -0.014 ± 0.006 χ^2/NDF : 149.4/36

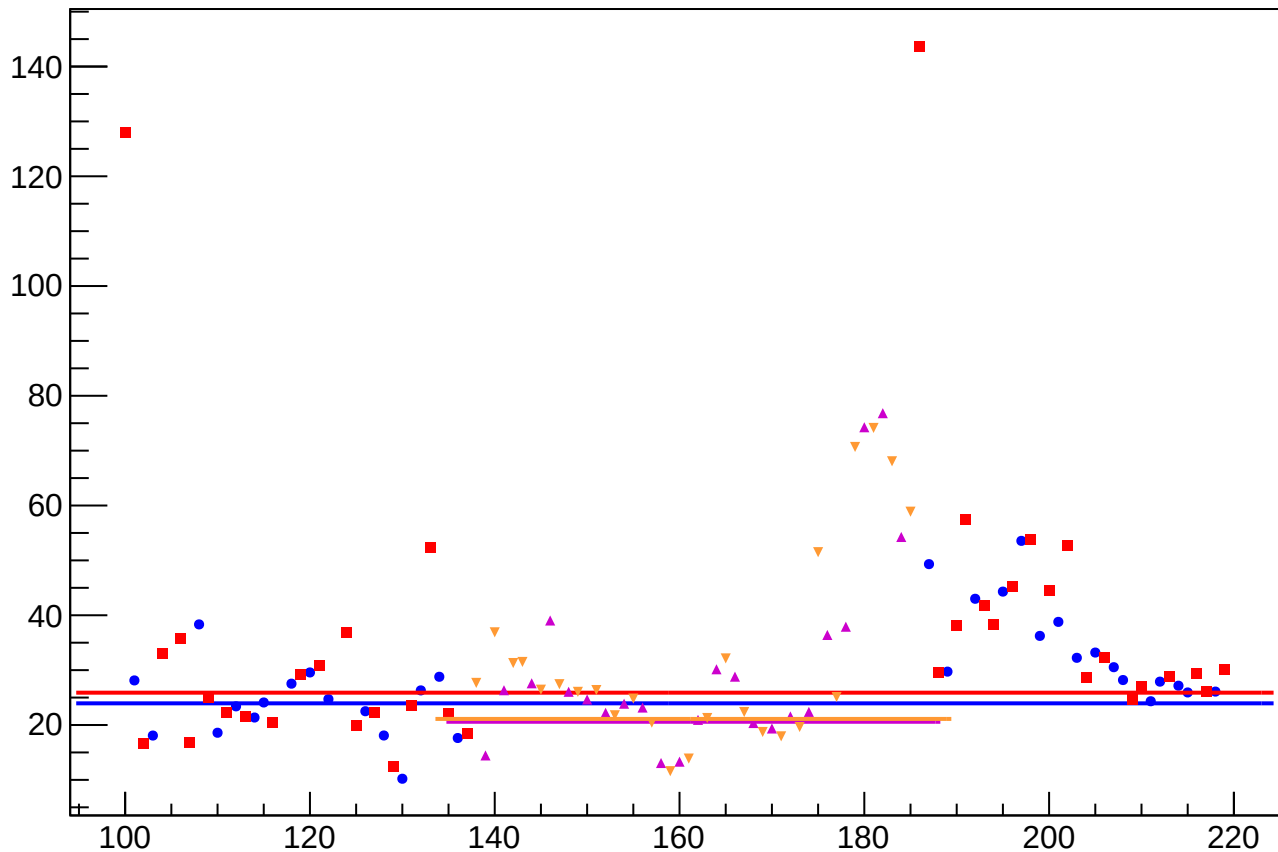
Left In: 0.004 ± 0.005 χ^2/NDF : 24.6/22

+ sign 0.001 ± 0.004 χ^2/NDF : 70.9/56

All: -0.001 ± 0.003 χ^2/NDF : 250.3/116

- sign -0.004 ± 0.004 χ^2/NDF : 178.6/59

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 23.949 $\pm$ 0.004 χ^2/NDF : 4385565.0/31

Left Out: 21.109 $\pm$ 0.004 χ^2/NDF : 5546528.5/24

Right Out: 25.892 $\pm$ 0.004 χ^2/NDF : 4626049.8/36

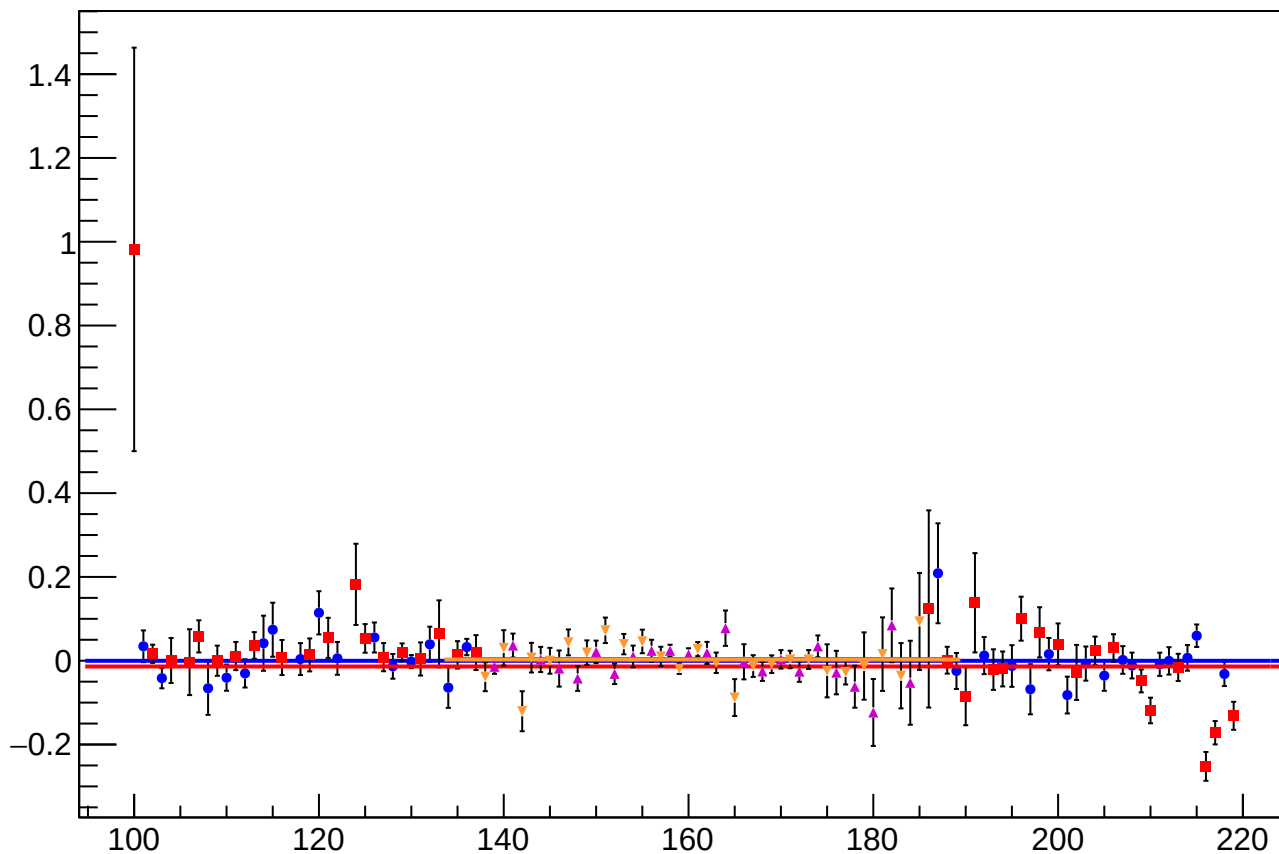
Left In: 20.591 $\pm$ 0.004 χ^2/NDF : 4599493.5/22

+ sign 22.416 $\pm$ 0.003 χ^2/NDF : 10181843.2/56

All: 22.643 $\pm$ 0.002 χ^2/NDF : 20242570.3/116

- sign 22.881 $\pm$ 0.003 χ^2/NDF : 10047505.4/59

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000 ± 0.006 χ^2/NDF : 38.0/31

Left Out: 0.003 ± 0.005 χ^2/NDF : 32.8/24

Right Out: -0.014 ± 0.006 χ^2/NDF : 149.4/36

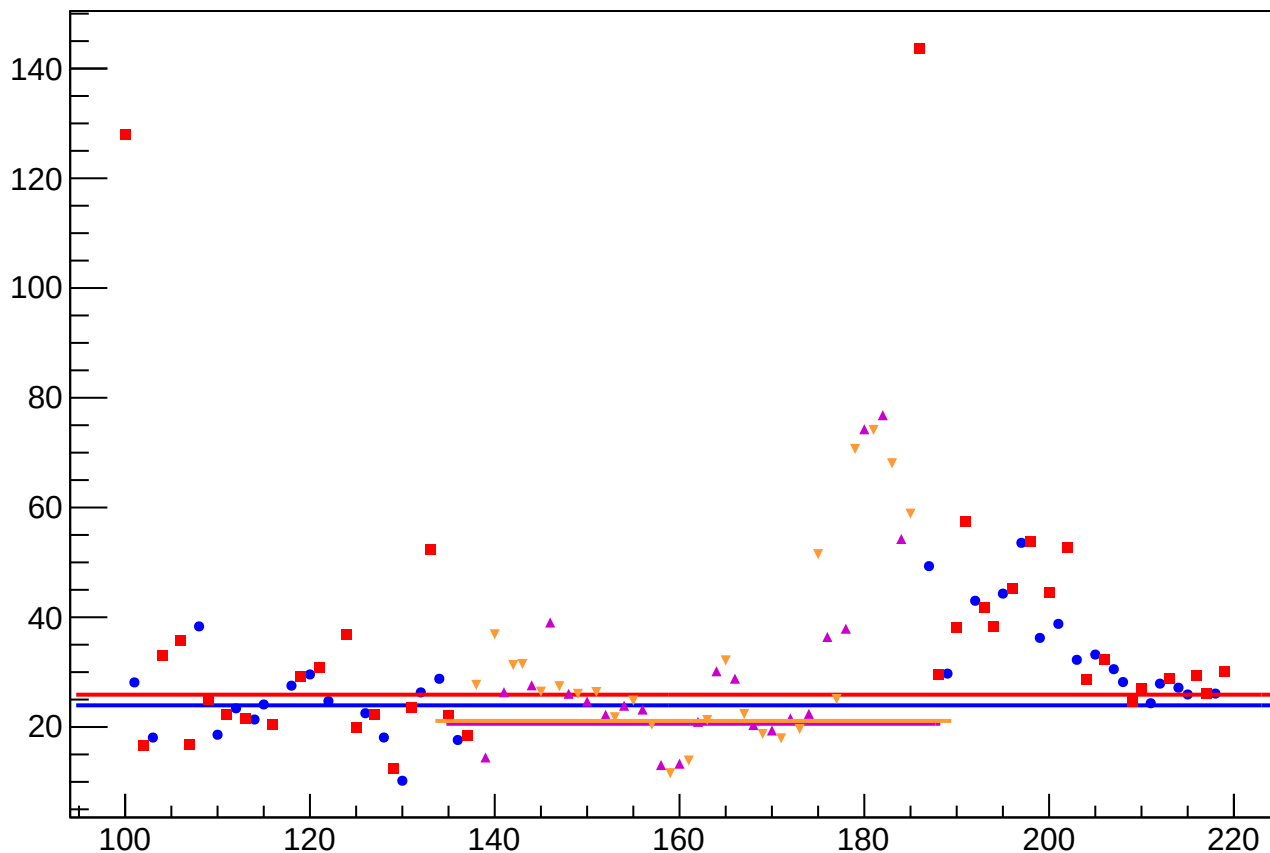
Left In: 0.004 ± 0.005 χ^2/NDF : 24.6/22

+ sign 0.001 ± 0.004 χ^2/NDF : 70.9/56

All: -0.001 ± 0.003 χ^2/NDF : 250.3/116

- sign -0.004 ± 0.004 χ^2/NDF : 178.6/59

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.949 ± 0.004 $\chi^2/\text{NDF}: 4385565.0/31$

Left Out: 21.109 ± 0.004 $\chi^2/\text{NDF}: 5546528.5/24$

Right Out: 25.892 ± 0.004 $\chi^2/\text{NDF}: 4626049.8/36$

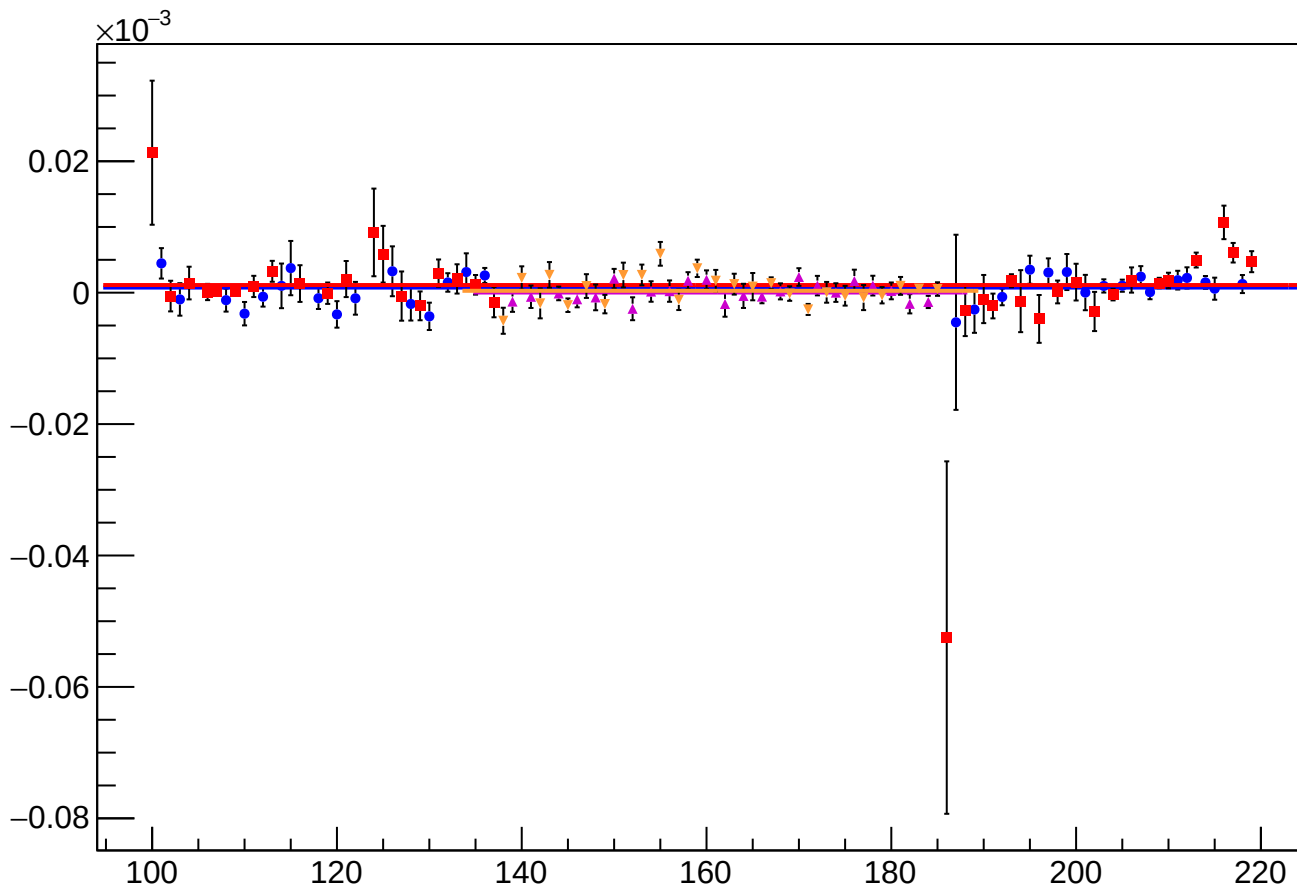
Left In: 20.591 ± 0.004 $\chi^2/\text{NDF}: 4599493.5/22$

+ sign 22.416 ± 0.003 $\chi^2/\text{NDF}: 10181843.2/56$

All: 22.643 ± 0.002 $\chi^2/\text{NDF}: 20242570.3/116$

- sign 22.881 ± 0.003 $\chi^2/\text{NDF}: 10047505.4/59$

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.3/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:52.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 76.5/36

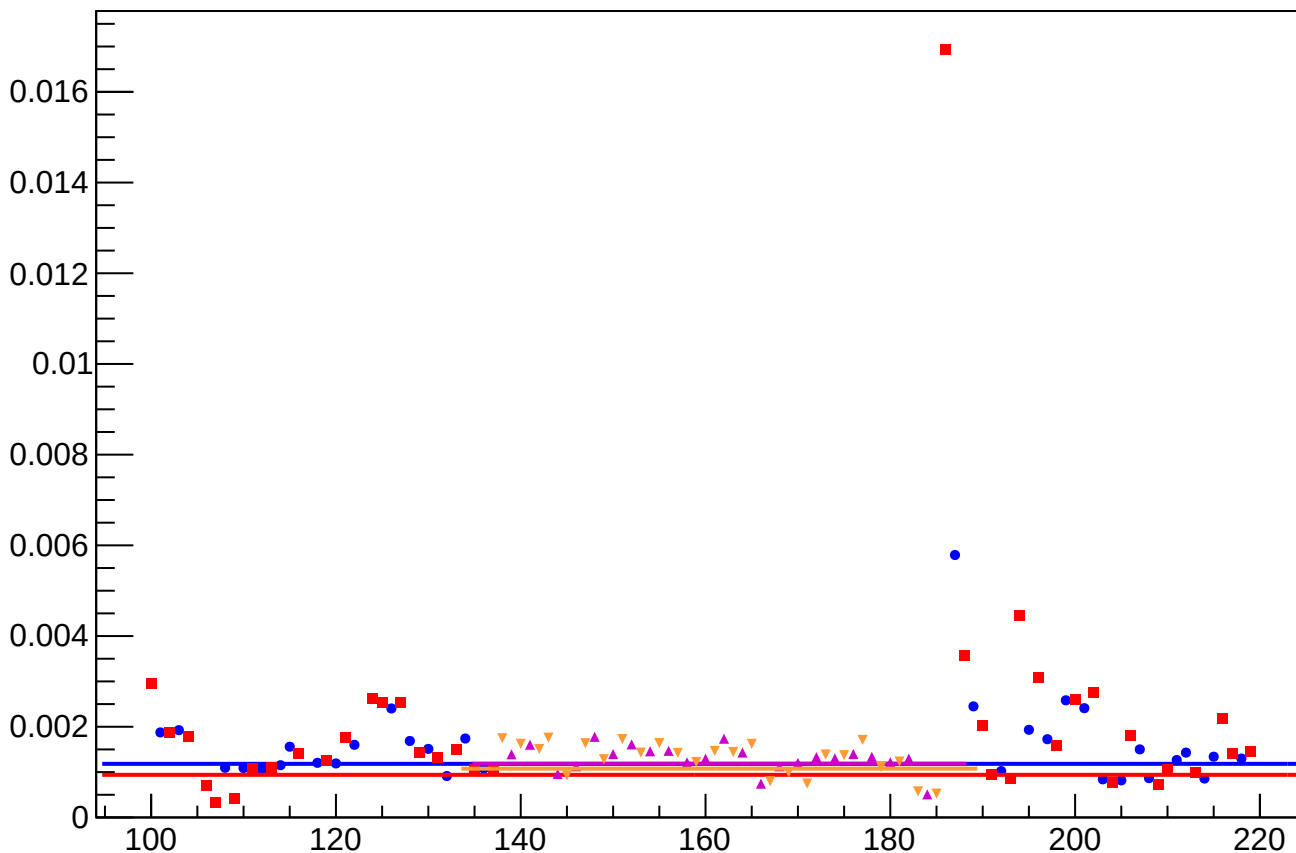
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 89.5/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 195.2/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 105.2/59

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 3896143.0/31

Left Out: 0.001+/-0.000 χ^2/NDF : 4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF : 12112880.5/36

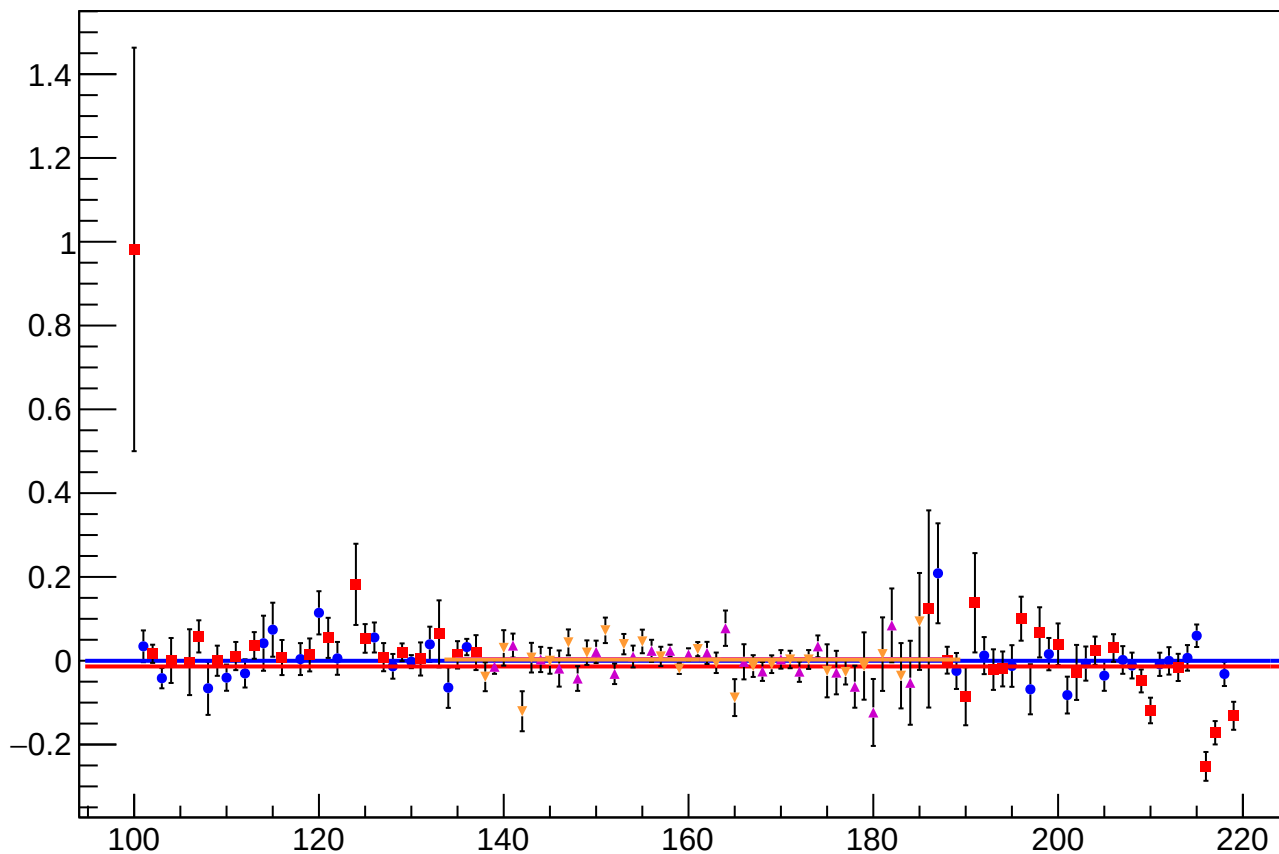
Left In: 0.001+/-0.000 χ^2/NDF : 2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF : 8588206.6/56

All: 0.001+/-0.000 χ^2/NDF : 24168169.9/116

- sign 0.001+/-0.000 χ^2/NDF : 15399747.9/59

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.006 χ^2/NDF : 38.0/31

Left Out: 0.003 ± 0.005 χ^2/NDF : 32.8/24

Right Out: -0.014 ± 0.006 χ^2/NDF : 149.4/36

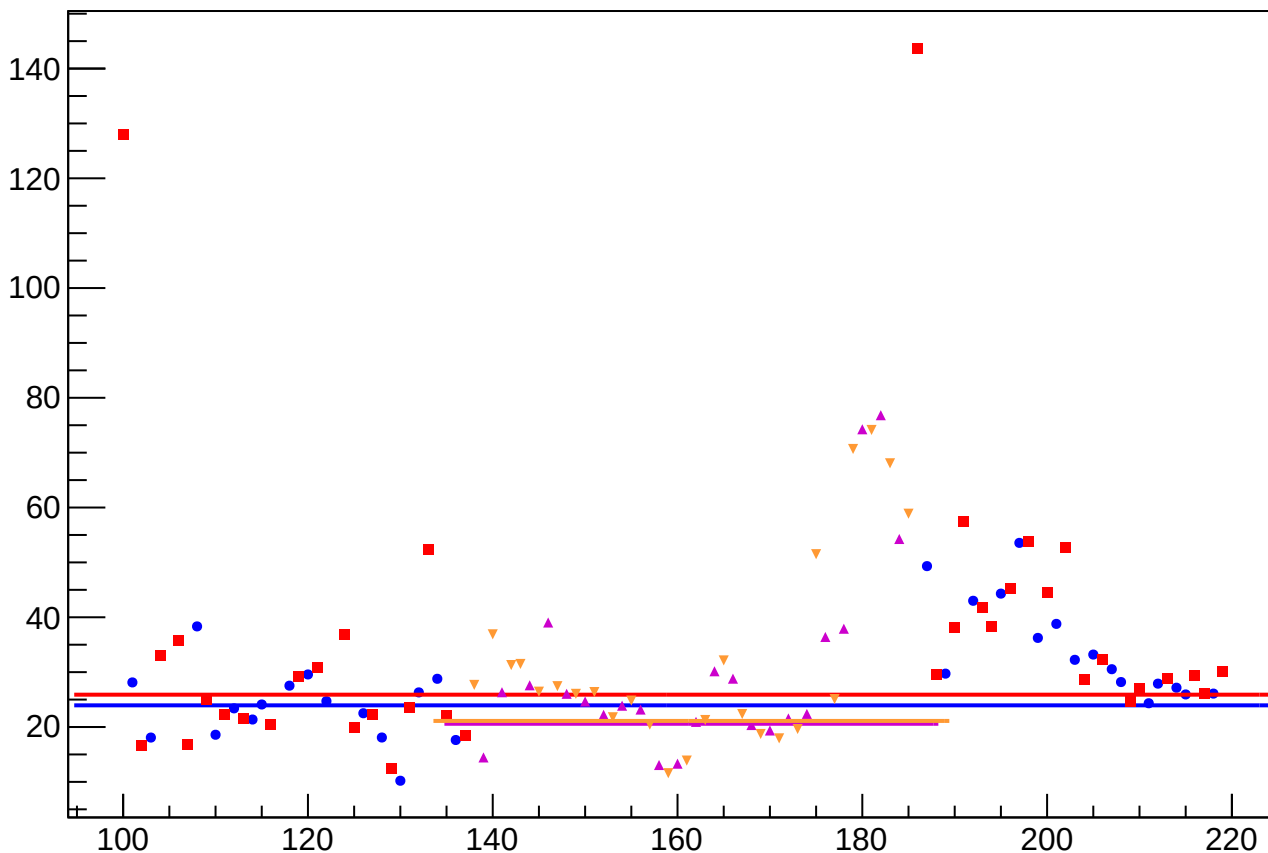
Left In: 0.004 ± 0.005 χ^2/NDF : 24.6/22

+ sign 0.001 ± 0.004 χ^2/NDF : 70.9/56

All: -0.001 ± 0.003 χ^2/NDF : 250.3/116

- sign -0.004 ± 0.004 χ^2/NDF : 178.6/59

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.950 $\pm$ 0.004 χ^2 /NDF: 4385272.9/31

Left Out: 21.109 $\pm$ 0.004 χ^2 /NDF: 5546663.4/24

Right Out: 25.892 $\pm$ 0.004 χ^2 /NDF: 4626004.7/36

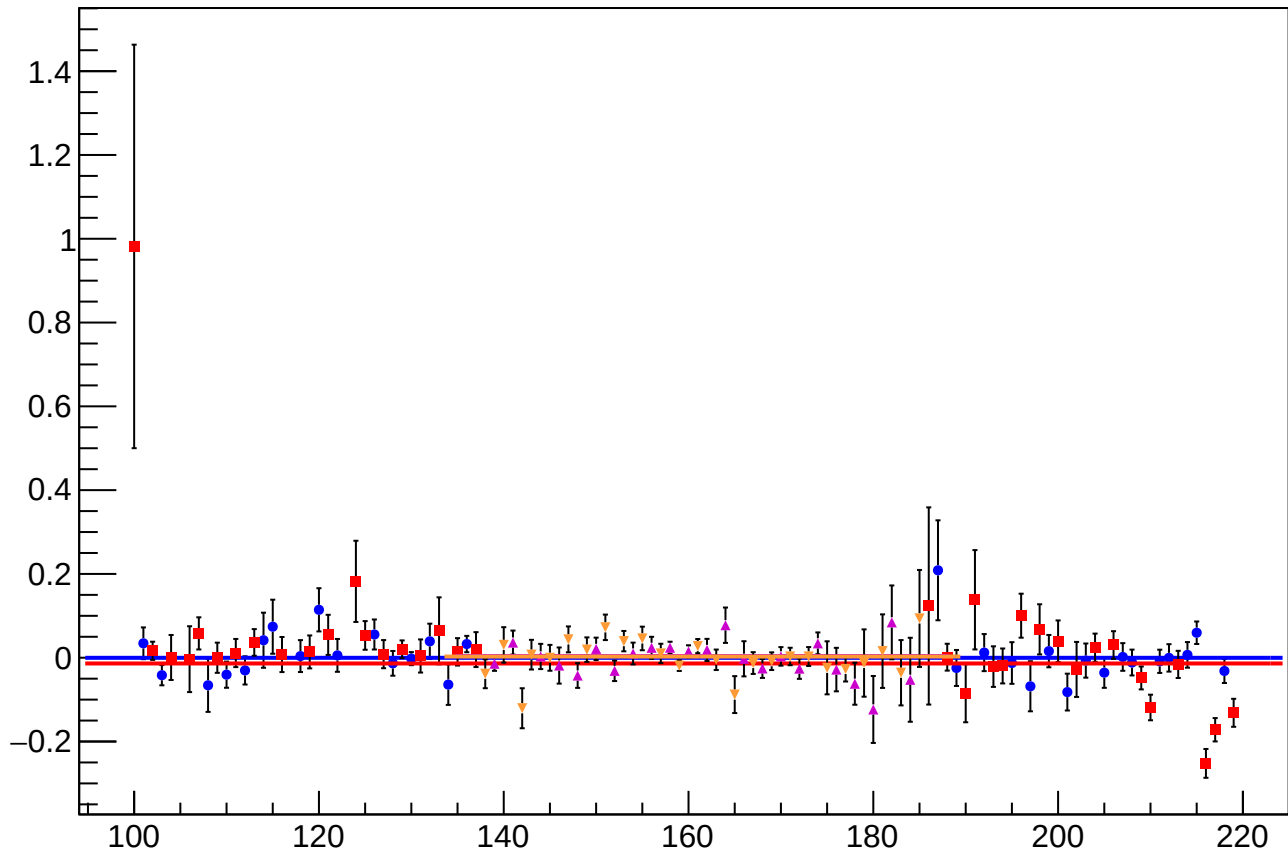
Left In: 20.592 $\pm$ 0.004 χ^2 /NDF: 4599496.2/22

+ sign 22.416 $\pm$ 0.003 χ^2 /NDF: 10181734.0/56

All: 22.644 $\pm$ 0.002 χ^2 /NDF: 20242363.1/116

- sign 22.882 $\pm$ 0.003 χ^2 /NDF: 10047407.5/59

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000 ± 0.006 χ^2/NDF : 38.0/31

Left Out: 0.003 ± 0.005 χ^2/NDF : 32.8/24

Right Out: -0.014 ± 0.006 χ^2/NDF : 149.4/36

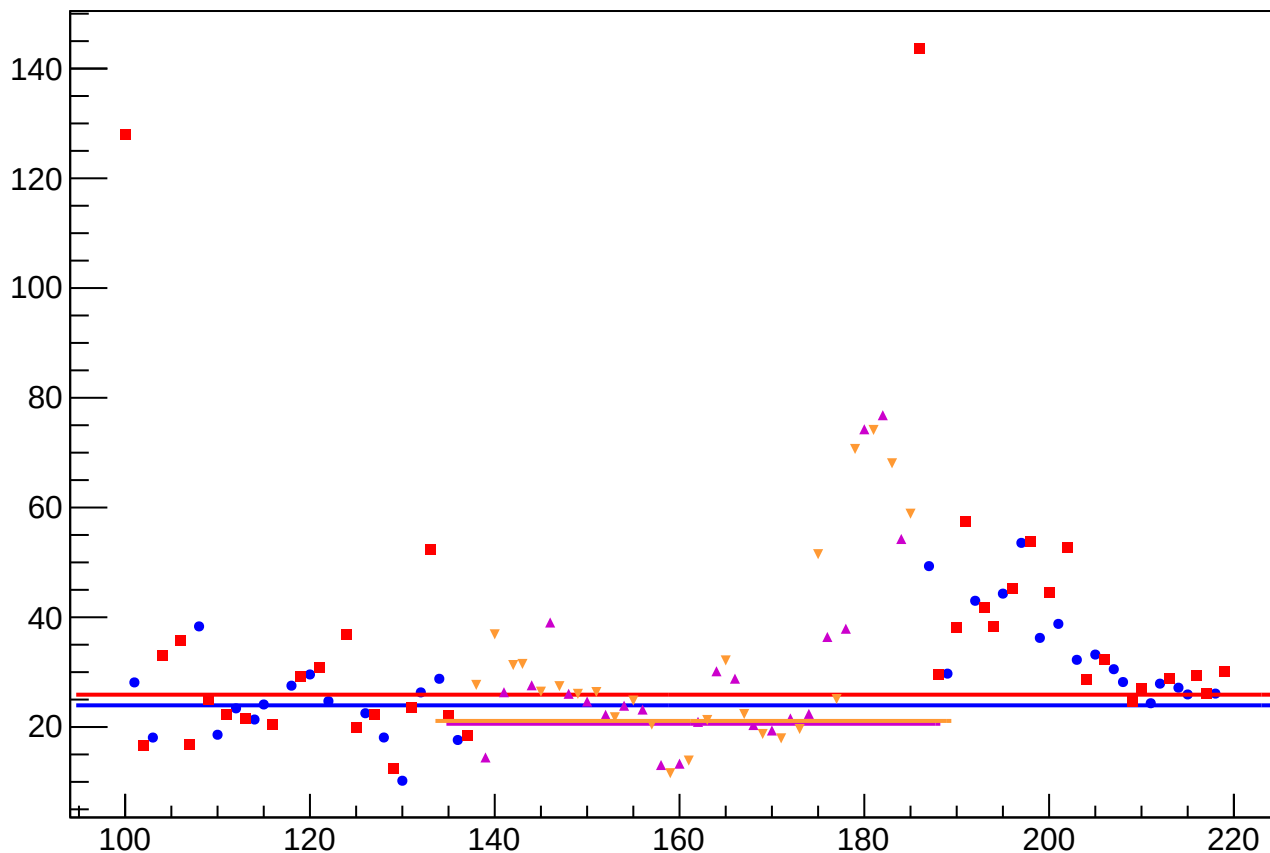
Left In: 0.004 ± 0.005 χ^2/NDF : 24.6/22

+ sign 0.001 ± 0.004 χ^2/NDF : 70.9/56

All: -0.001 ± 0.003 χ^2/NDF : 250.3/116

- sign -0.004 ± 0.004 χ^2/NDF : 178.6/59

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.950 $\pm$ 0.004 χ^2 /NDF: 4385272.9/31

Left Out: 21.109 $\pm$ 0.004 χ^2 /NDF: 5546663.4/24

Right Out: 25.892 $\pm$ 0.004 χ^2 /NDF: 4626004.7/36

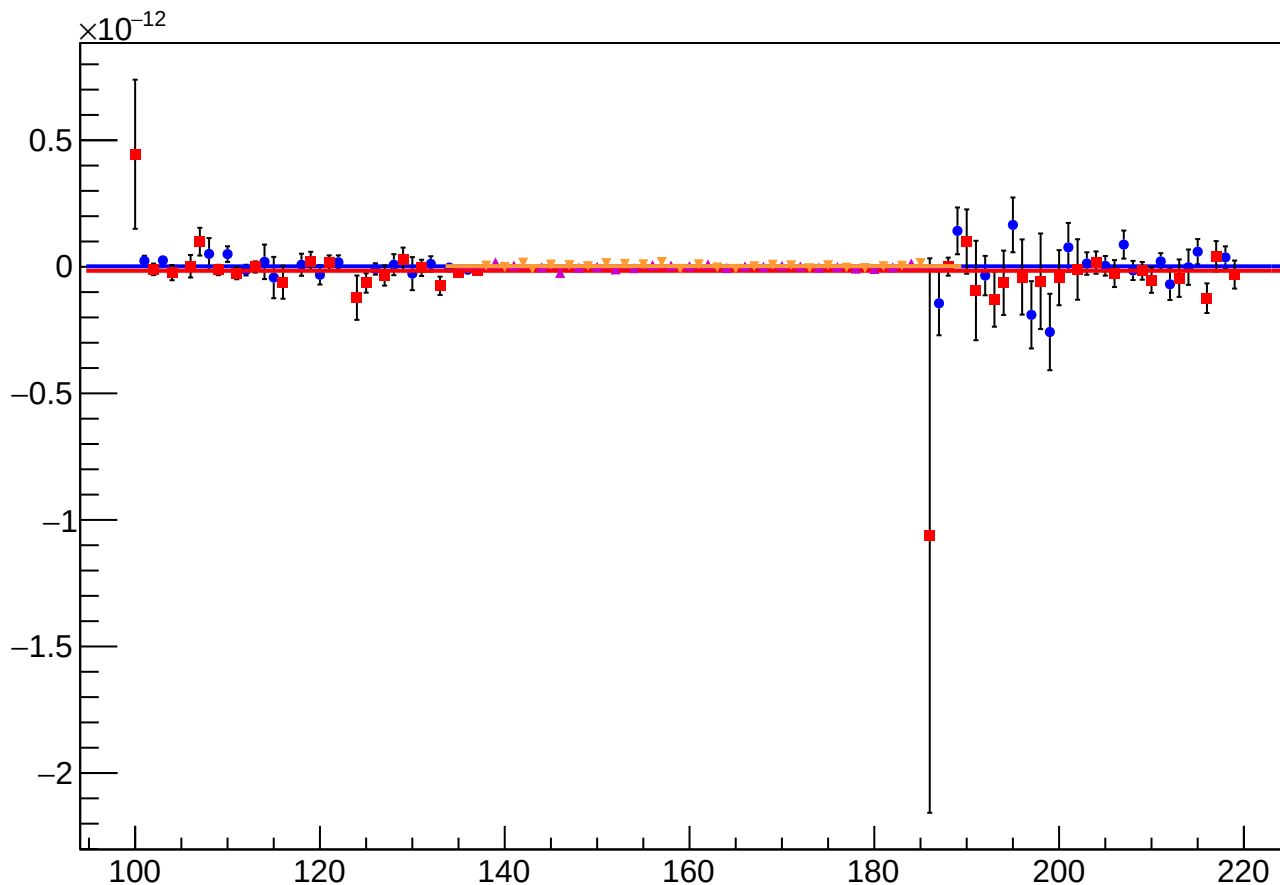
Left In: 20.592 $\pm$ 0.004 χ^2 /NDF: 4599496.2/22

+ sign 22.416 $\pm$ 0.003 χ^2 /NDF: 10181734.0/56

All: 22.644 $\pm$ 0.002 χ^2 /NDF: 20242363.1/116

- sign 22.882 $\pm$ 0.003 χ^2 /NDF: 10047407.5/59

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.8/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.8/36

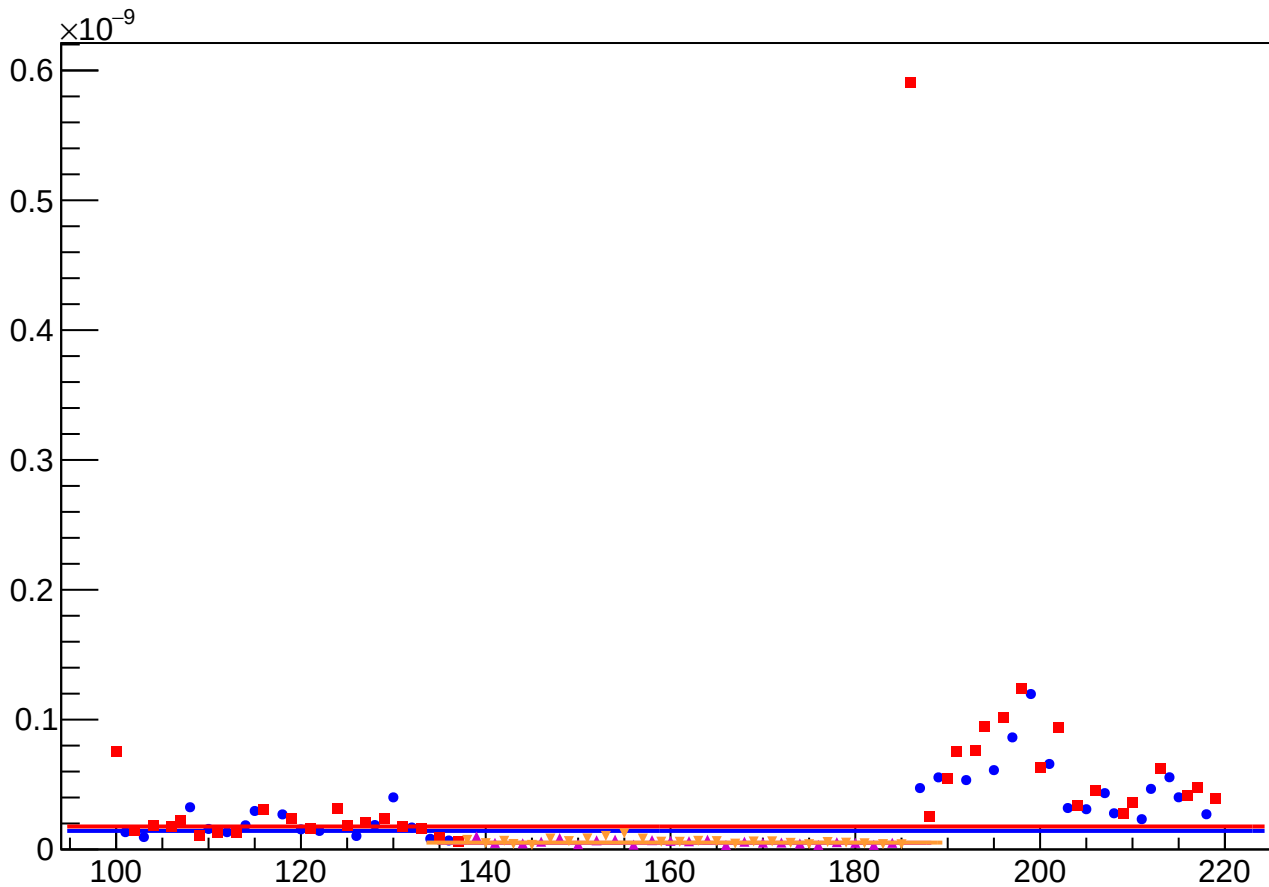
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 49.4/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 107.5/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.0/59

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9798037.8/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10063695.3/36

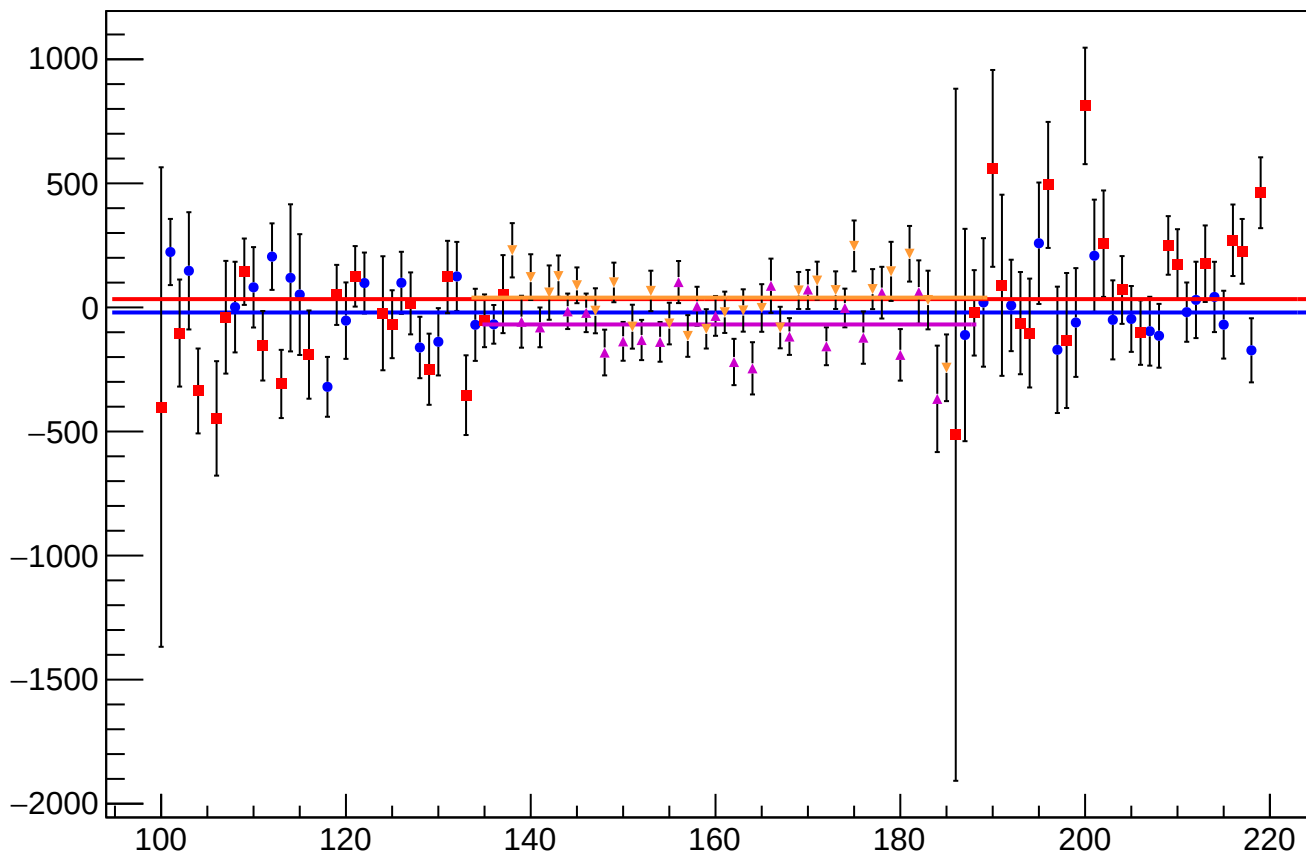
Left In: 0.000+/-0.000 χ^2/NDF : 1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 17387428.8/56

All: 0.000+/-0.000 χ^2/NDF : 37453232.5/116

- sign 0.000+/-0.000 χ^2/NDF : 20058393.2/59

reg_asym_sam_2468_avg_mean vs Slug



Right In: -20.369 ± 26.196 $\chi^2/\text{NDF}: 24.6/31$

Left Out: 39.477 ± 17.666 $\chi^2/\text{NDF}: 31.9/24$

Right Out: 33.492 ± 26.571 $\chi^2/\text{NDF}: 70.6/36$

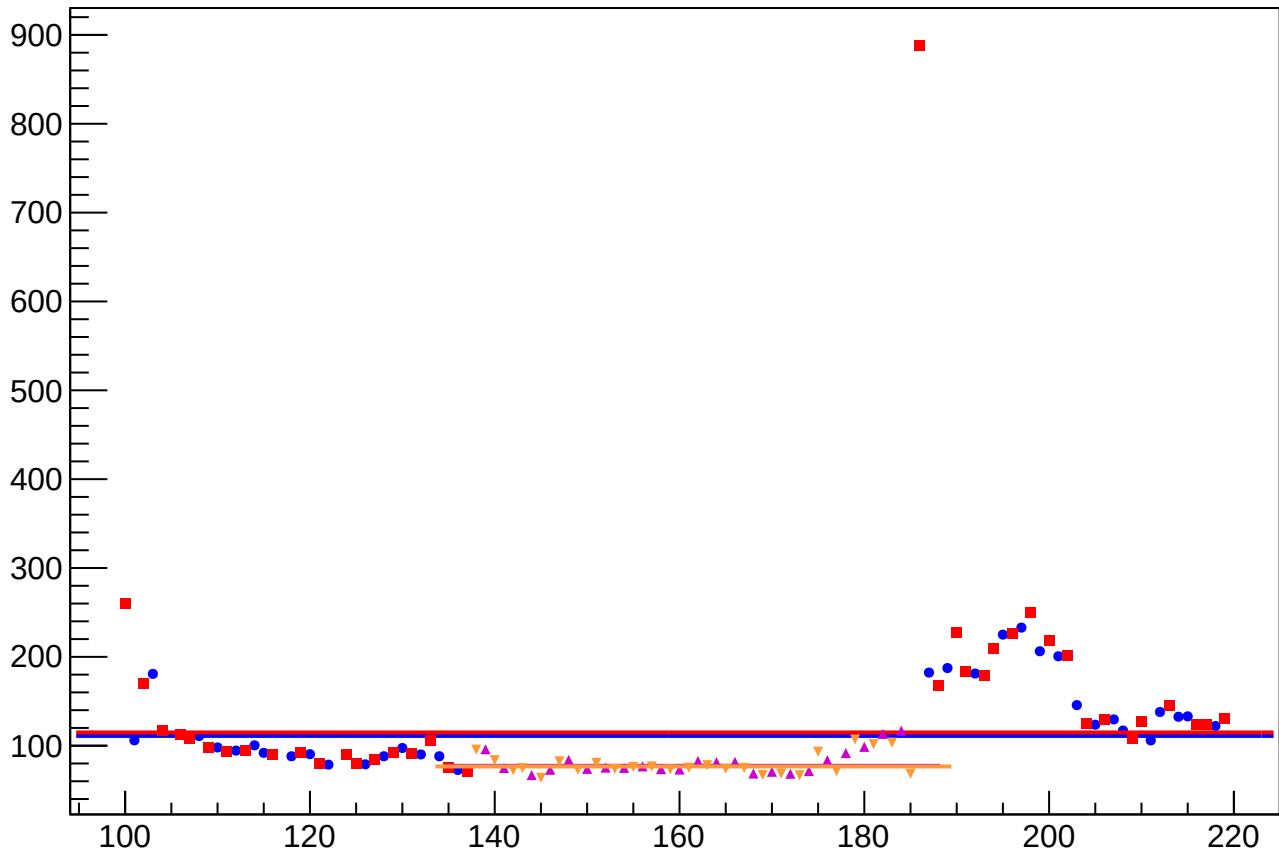
Left In: -68.620 ± 18.317 $\chi^2/\text{NDF}: 29.0/22$

+ sign 20.769 ± 14.647 $\chi^2/\text{NDF}: 60.2/56$

All: -6.654 ± 10.507 $\chi^2/\text{NDF}: 177.0/116$

- sign -35.727 ± 15.081 $\chi^2/\text{NDF}: 109.7/59$

reg_asym_sam_2468_avg_rms vs Slug



Right In: 111.036 $\pm$ 0.019 χ^2 /NDF: 3714925.2/31

Left Out: 76.646 $\pm$ 0.012 χ^2 /NDF: 654608.6/24

Right Out: 114.944 $\pm$ 0.019 χ^2 /NDF: 4767744.9/36

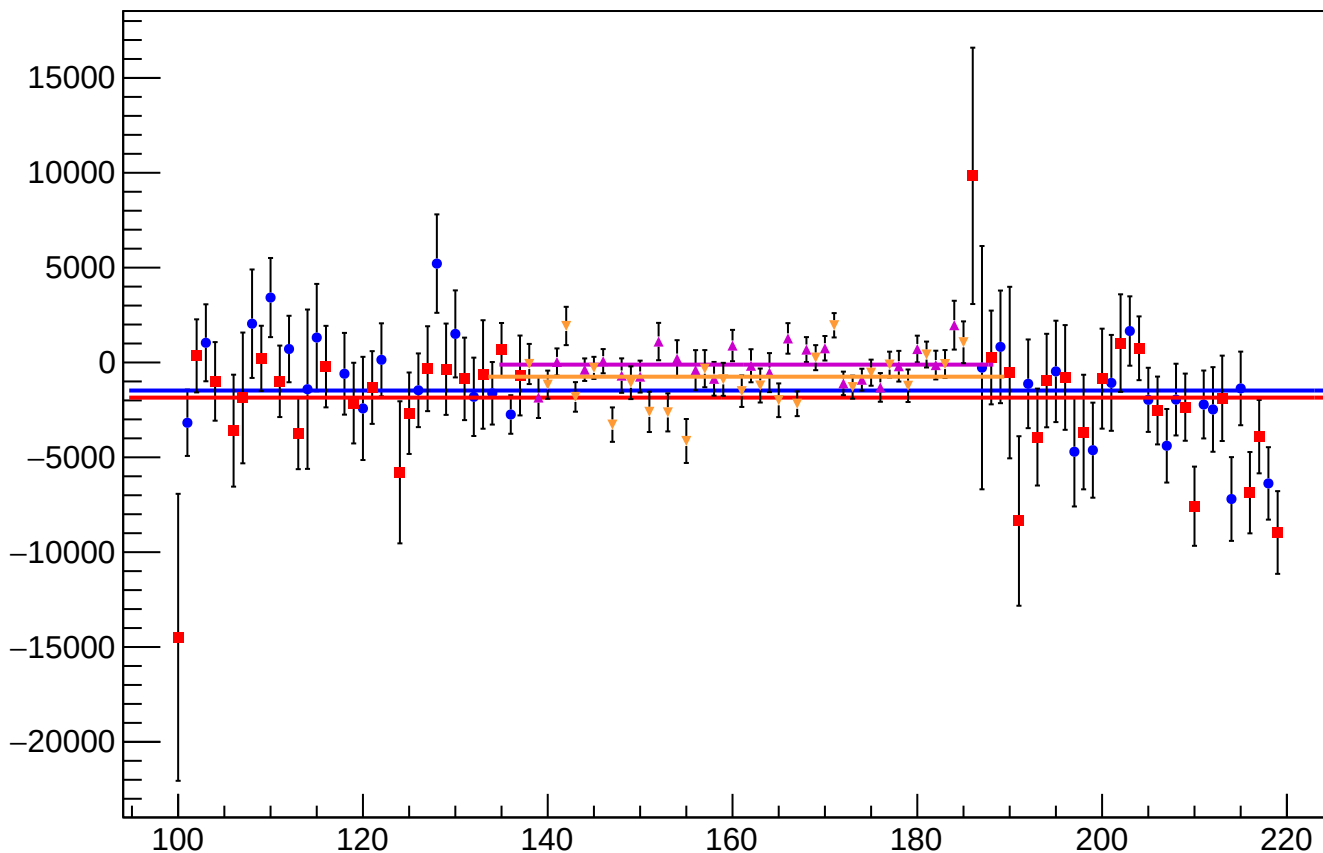
Left In: 77.348 $\pm$ 0.013 χ^2 /NDF: 590414.8/22

+ sign 87.397 $\pm$ 0.010 χ^2 /NDF: 6738778.2/56

All: 88.398 $\pm$ 0.007 χ^2 /NDF: 14830198.9/116

- sign 89.459 $\pm$ 0.011 χ^2 /NDF: 8072183.3/59

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -1478.924 ± 363.333 χ^2/NDF : 45.6/31

Left Out: -749.641 ± 158.081 χ^2/NDF : 70.0/24

Right Out: -1852.153 ± 369.982 χ^2/NDF : 50.0/36

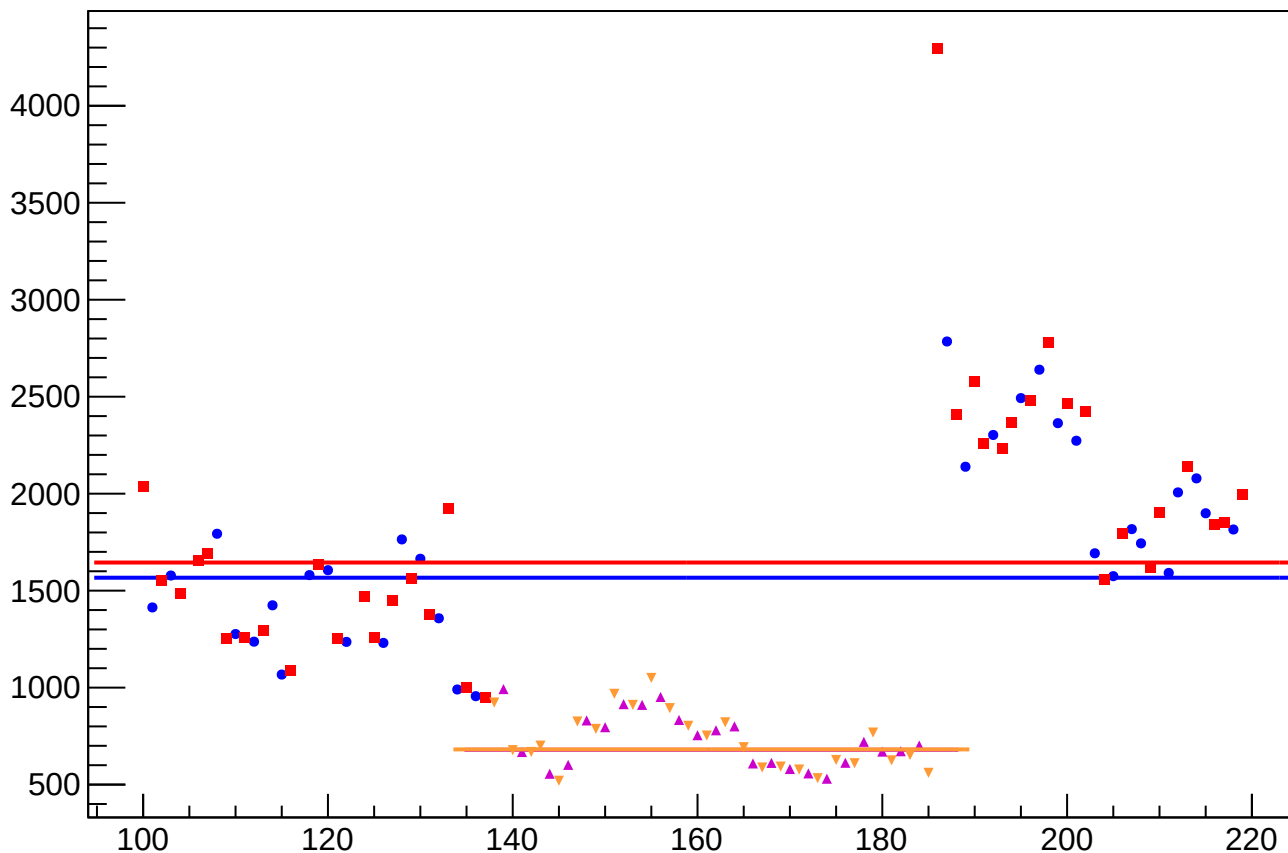
Left In: -113.799 ± 161.809 χ^2/NDF : 25.1/22

+ sign -865.720 ± 144.955 χ^2/NDF : 119.0/56

All: -634.628 ± 103.644 χ^2/NDF : 217.8/116

- sign -392.907 ± 148.251 χ^2/NDF : 93.6/59

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1566.689 $\pm$ 0.257 χ^2 /NDF: 2883405.0/31

Left Out: 681.427 $\pm$ 0.112 χ^2 /NDF: 1334213.4/24

Right Out: 1645.048 $\pm$ 0.262 χ^2 /NDF: 3253496.5/36

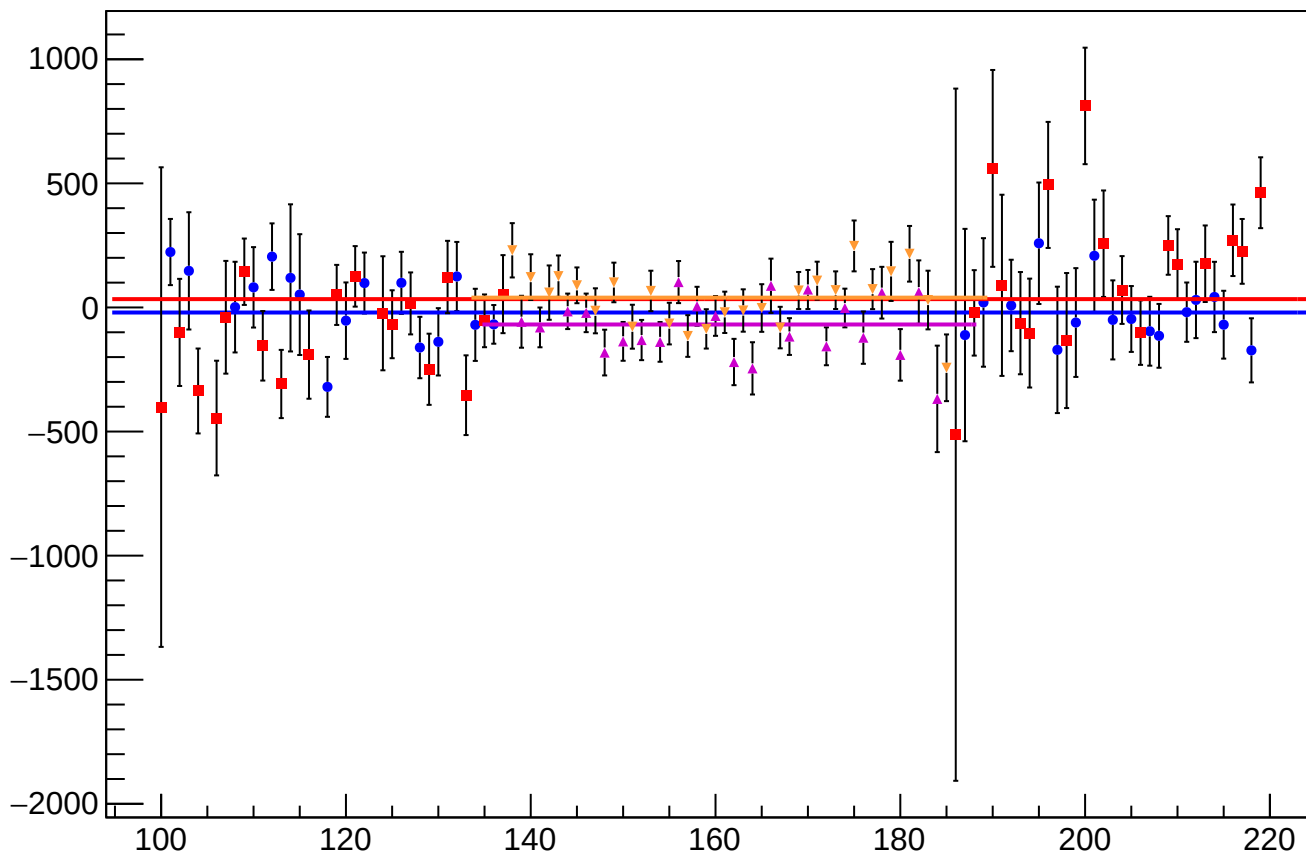
Left In: 679.413 $\pm$ 0.114 χ^2 /NDF: 1185267.0/22

+ sign 822.333 $\pm$ 0.102 χ^2 /NDF: 14200881.6/56

All: 828.257 $\pm$ 0.073 χ^2 /NDF: 30082724.6/1

- sign 834.454 $\pm$ 0.105 χ^2 /NDF: 15875007.2/59

cor_asym_sam_2468_avg_mean vs Slug



Right In: -20.376 ± 26.196 χ^2/NDF : 24.6/31

Left Out: 39.484 ± 17.666 χ^2/NDF : 31.9/24

Right Out: 33.580 ± 26.572 χ^2/NDF : 70.6/36

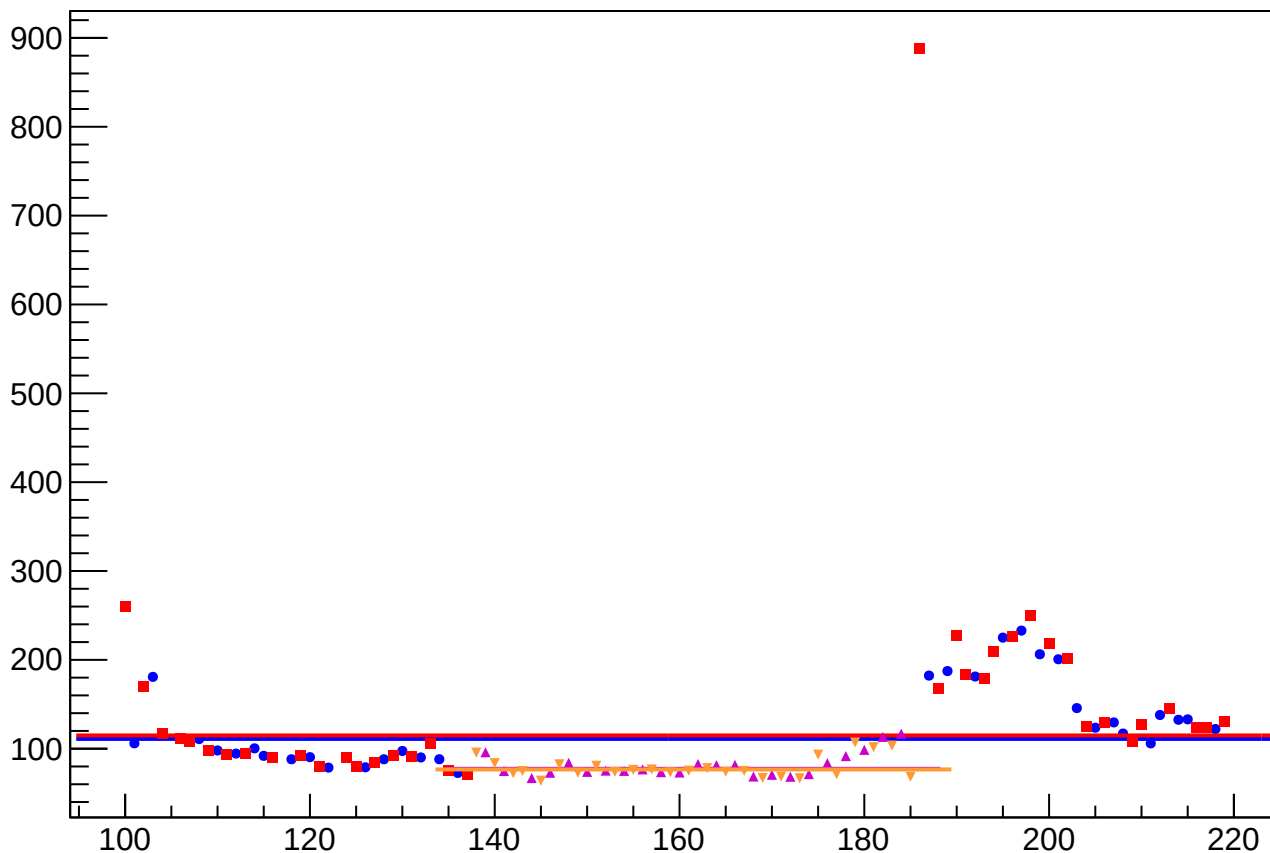
Left In: -68.620 ± 18.317 χ^2/NDF : 29.0/22

+ sign 20.771 ± 14.647 χ^2/NDF : 60.2/56

All: -6.639 ± 10.507 χ^2/NDF : 177.0/116

- sign -35.700 ± 15.081 χ^2/NDF : 109.6/59

cor_asym_sam_2468_avg_rms vs Slug



Right In: 111.036 $\pm$ 0.019 χ^2 /NDF: 3714928.7/31

Left Out: 76.646 $\pm$ 0.012 χ^2 /NDF: 654608.7/24

Right Out: 114.927 $\pm$ 0.019 χ^2 /NDF: 4768266.9/36

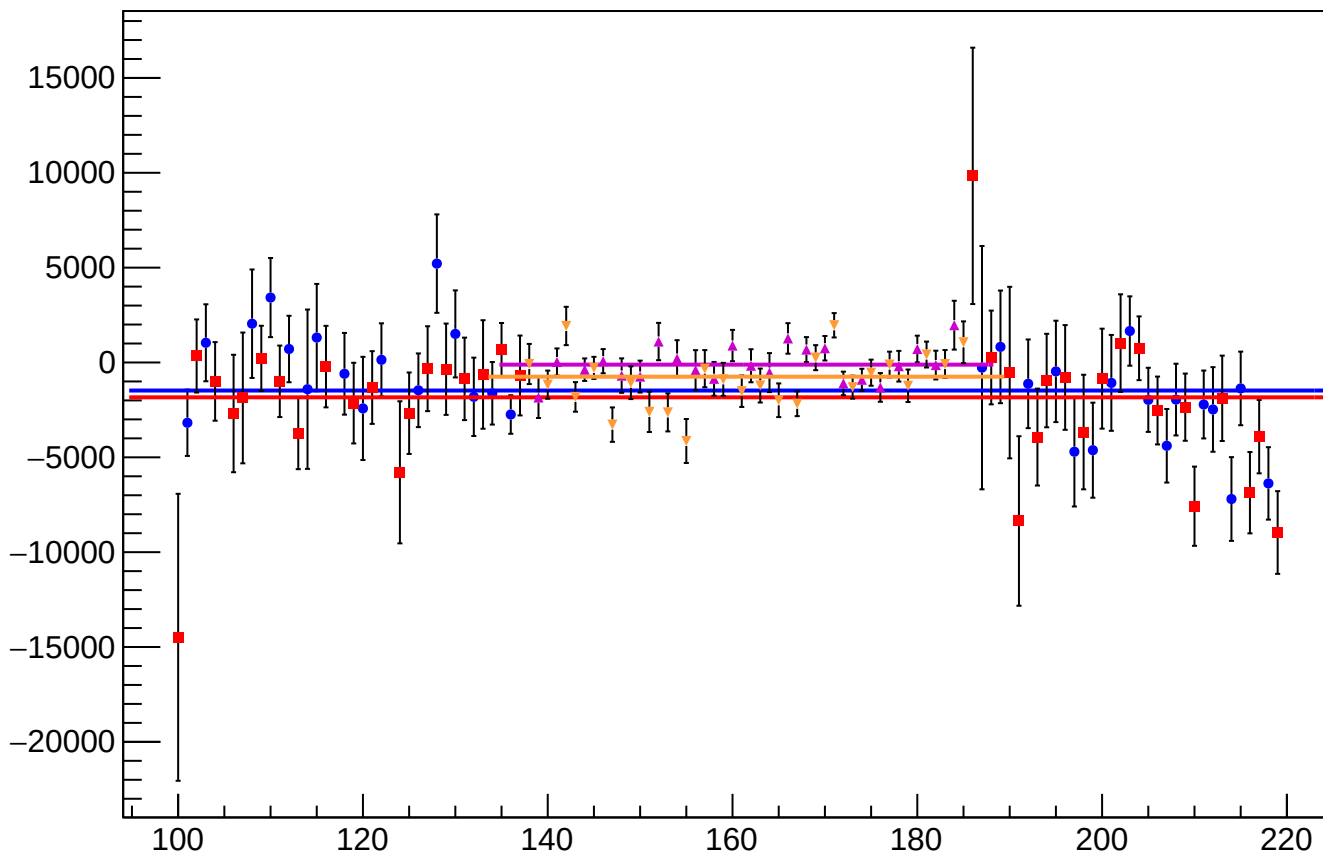
Left In: 77.348 $\pm$ 0.013 χ^2 /NDF: 590414.8/22

+ sign 87.397 $\pm$ 0.010 χ^2 /NDF: 6738781.8/56

All: 88.395 $\pm$ 0.007 χ^2 /NDF: 14828042.4/116

- sign 89.453 $\pm$ 0.011 χ^2 /NDF: 8070135.3/59

asym_sam_2468_avg_cor_correction_mean vs Slug



Right In: -1478.907 $\pm$ 363.334 χ^2 /NDF: 45.6/31

Left Out: -749.632 $\pm$ 158.081 χ^2 /NDF: 70.0/24

Right Out: -1837.044 $\pm$ 370.259 χ^2 /NDF: 49.7/36

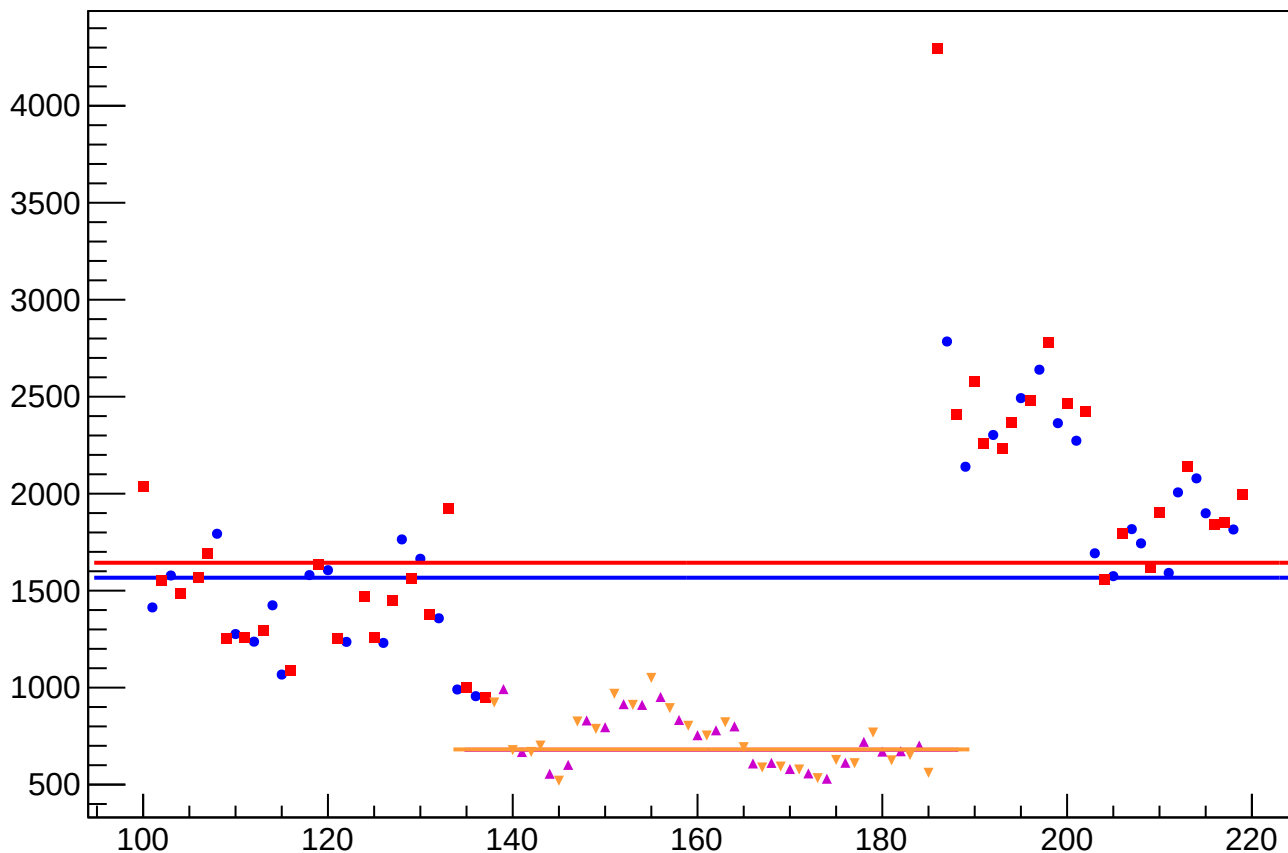
Left In: -113.799 $\pm$ 161.809 χ^2 /NDF: 25.1/22

+ sign -865.709 $\pm$ 144.955 χ^2 /NDF: 119.0/56

All: -633.296 $\pm$ 103.651 χ^2 /NDF: 217.2/116

- sign -390.135 $\pm$ 148.269 χ^2 /NDF: 93.0/59

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1566.692 ± 0.257 $\chi^2/\text{NDF}: 2883411.6/31$

Left Out: 681.426 ± 0.112 $\chi^2/\text{NDF}: 1334214.9/24$

Right Out: 1643.839 ± 0.262 $\chi^2/\text{NDF}: 3254559.4/36$

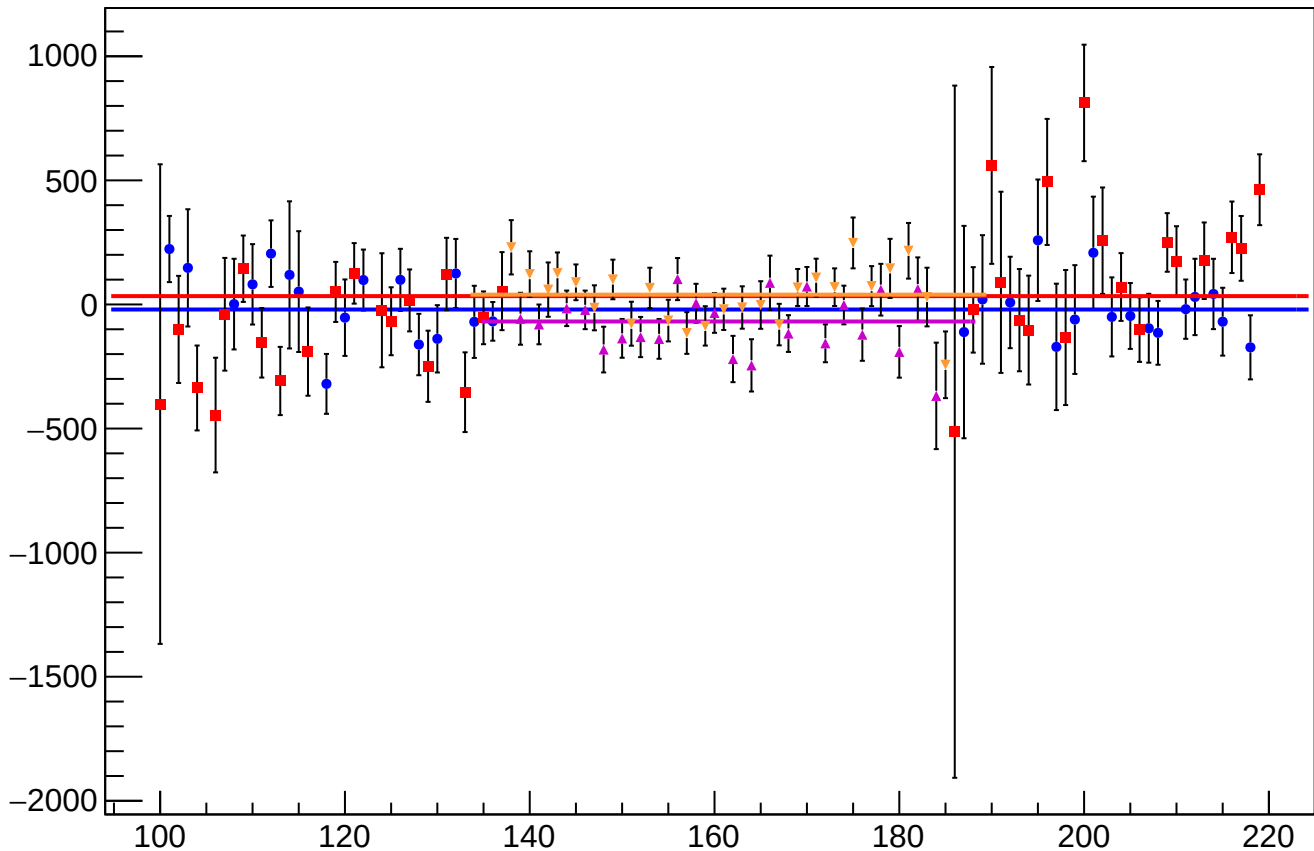
Left In: 679.414 ± 0.114 $\chi^2/\text{NDF}: 1185265.0/22$

+ sign 822.332 ± 0.102 $\chi^2/\text{NDF}: 14200929.5/56$

All: 828.067 ± 0.073 $\chi^2/\text{NDF}: 30040516.1/11$

- sign 834.067 ± 0.105 $\chi^2/\text{NDF}: 15833181.4/59$

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -20.376 ± 26.196 χ^2/NDF : 24.6/31

Left Out: 39.484 ± 17.666 χ^2/NDF : 31.9/24

Right Out: 33.580 ± 26.572 χ^2/NDF : 70.6/36

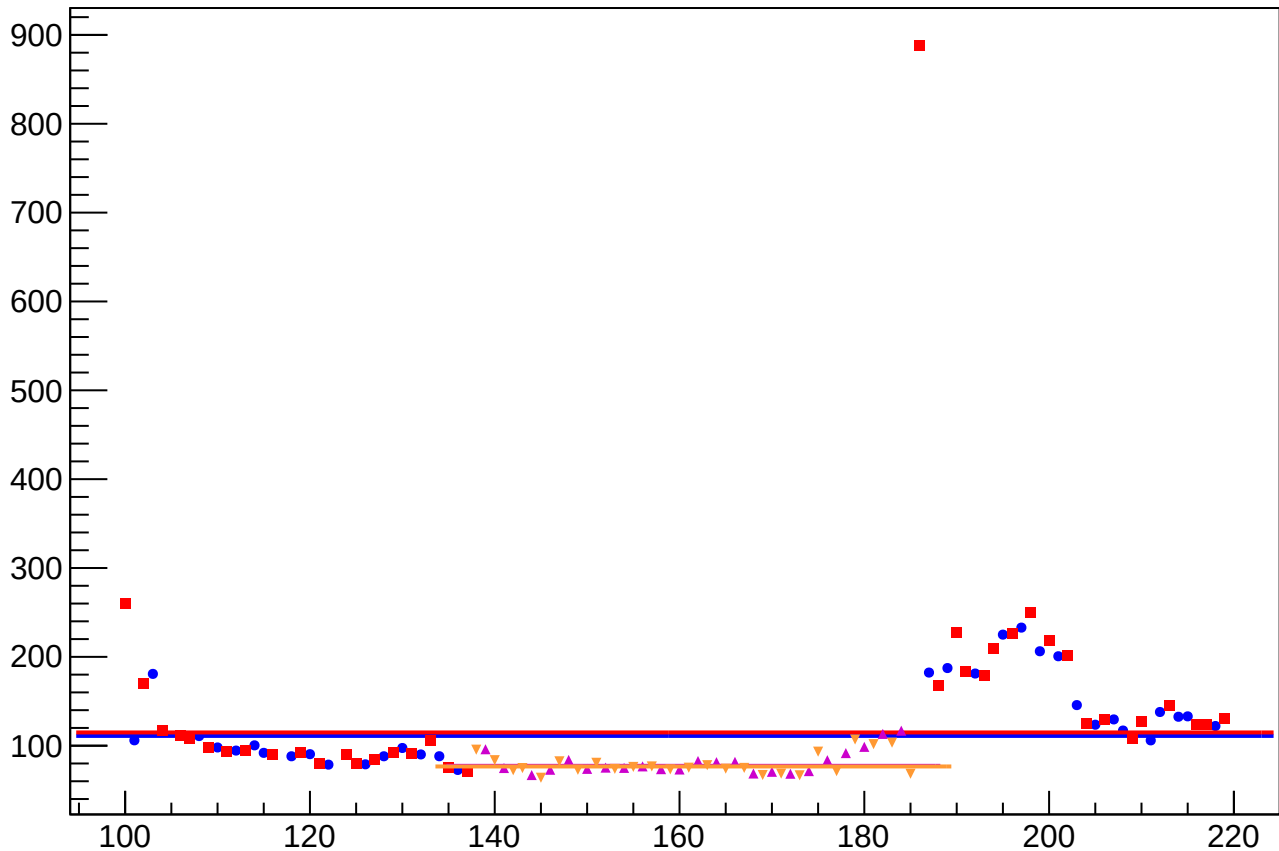
Left In: -68.620 ± 18.317 χ^2/NDF : 29.0/22

+ sign 20.771 ± 14.647 χ^2/NDF : 60.2/56

All: -6.639 ± 10.507 χ^2/NDF : 177.0/116

- sign -35.700 ± 15.081 χ^2/NDF : 109.6/59

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 111.036 $\pm$ 0.019 χ^2 /NDF: 3714928.7/31

Left Out: 76.646 $\pm$ 0.012 χ^2 /NDF: 654608.7/24

Right Out: 114.927 $\pm$ 0.019 χ^2 /NDF: 4768266.9/36

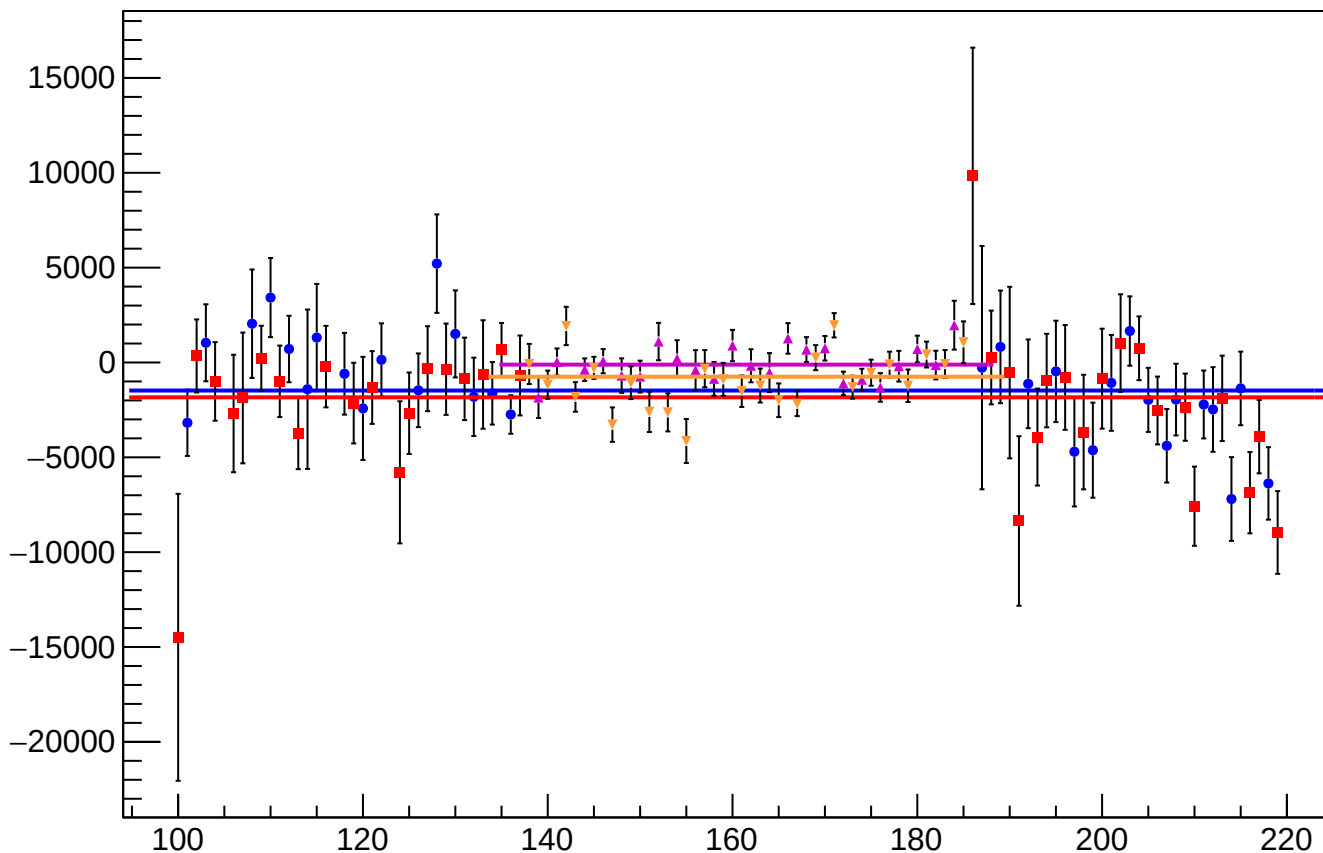
Left In: 77.348 $\pm$ 0.013 χ^2 /NDF: 590414.8/22

+ sign 87.397 $\pm$ 0.010 χ^2 /NDF: 6738781.8/56

All: 88.395 $\pm$ 0.007 χ^2 /NDF: 14828042.4/116

- sign 89.453 $\pm$ 0.011 χ^2 /NDF: 8070135.3/59

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug



Right In: -1478.907 ± 363.334 χ^2/NDF : 45.6/31

Left Out: -749.632 ± 158.081 χ^2/NDF : 70.0/24

Right Out: -1837.044 ± 370.259 χ^2/NDF : 49.7/36

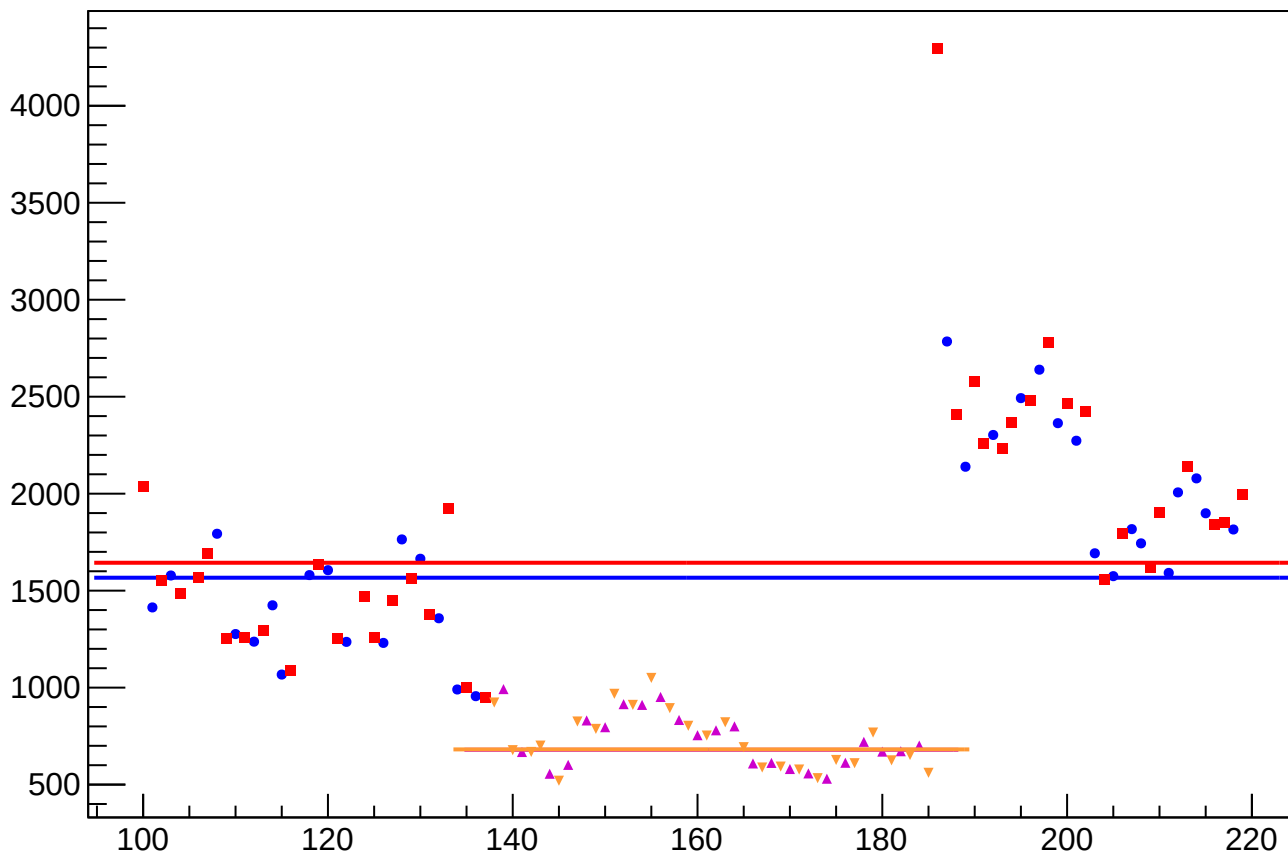
Left In: -113.799 ± 161.809 χ^2/NDF : 25.1/22

+ sign -865.709 ± 144.955 χ^2/NDF : 119.0/56

All: -633.296 ± 103.651 χ^2/NDF : 217.2/116

- sign -390.135 ± 148.269 χ^2/NDF : 93.0/59

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug



Right In: 1566.692 $\pm$ 0.257 χ^2 /NDF: 2883411.6/31

Left Out: 681.426 $\pm$ 0.112 χ^2 /NDF:1334214.9/24

Right Out: 1643.839 $\pm$ 0.262 χ^2 /NDF: 3254559.4/36

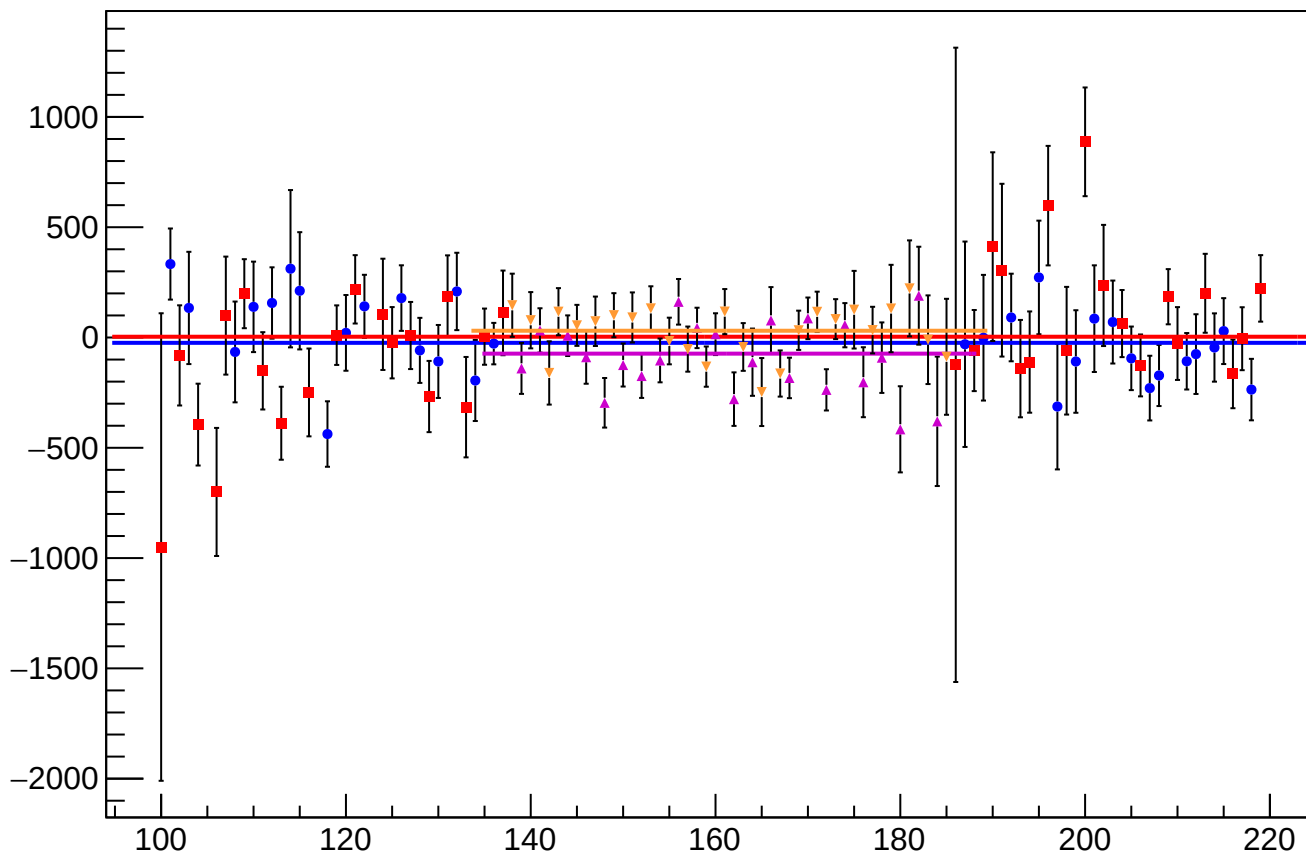
Left In: 679.414 $\pm$ 0.114 χ^2 /NDF:1185265.0/22

+ sign 822.332 $\pm$ 0.102 χ^2 /NDF: 14200929.5/56

All: 828.067 $\pm$ 0.073 χ^2 /NDF: 30040516.1/11

- sign 834.067 $\pm$ 0.105 χ^2 /NDF: 15833181.4/59

dit_asym_sam_2468_avg_mean vs Slug



Right In: -24.147 ± 30.171 χ^2/NDF : 32.4/31

Left Out: 30.684 ± 22.856 χ^2/NDF : 19.9/24

Right Out: 3.527 ± 30.471 χ^2/NDF : 57.7/36

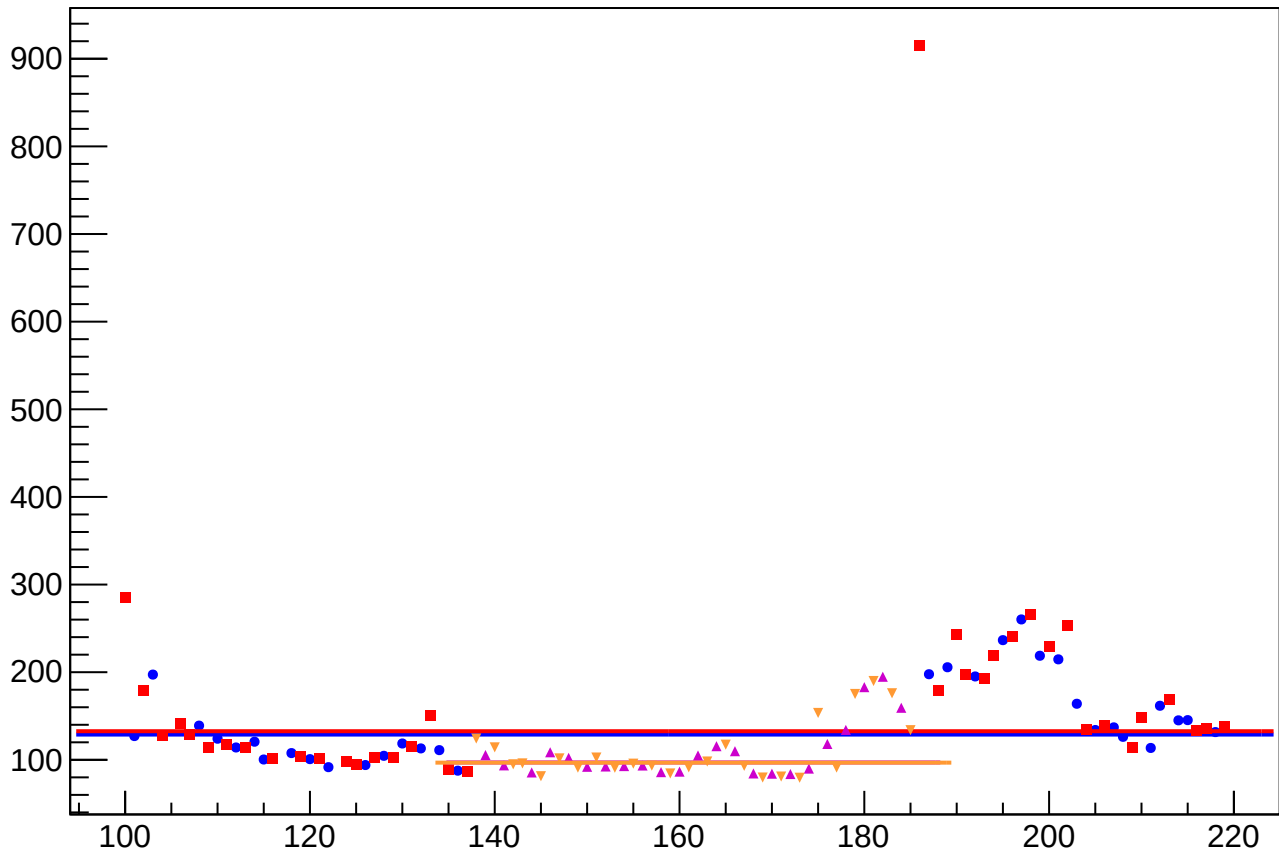
Left In: -73.147 ± 23.510 χ^2/NDF : 34.5/22

+ sign 10.691 ± 18.218 χ^2/NDF : 54.5/56

All: -16.329 ± 13.020 χ^2/NDF : 155.2/116

- sign -44.536 ± 18.614 χ^2/NDF : 96.2/59

dit_asym_sam_2468_avg_rms vs Slug



Right In: 128.834 $\pm$ 0.021 χ^2 /NDF: 2969892.7/31

Left Out: 96.794 $\pm$ 0.016 χ^2 /NDF:1720415.9/24

Right Out: 132.664 $\pm$ 0.022 χ^2 /NDF: 4022392.8/36

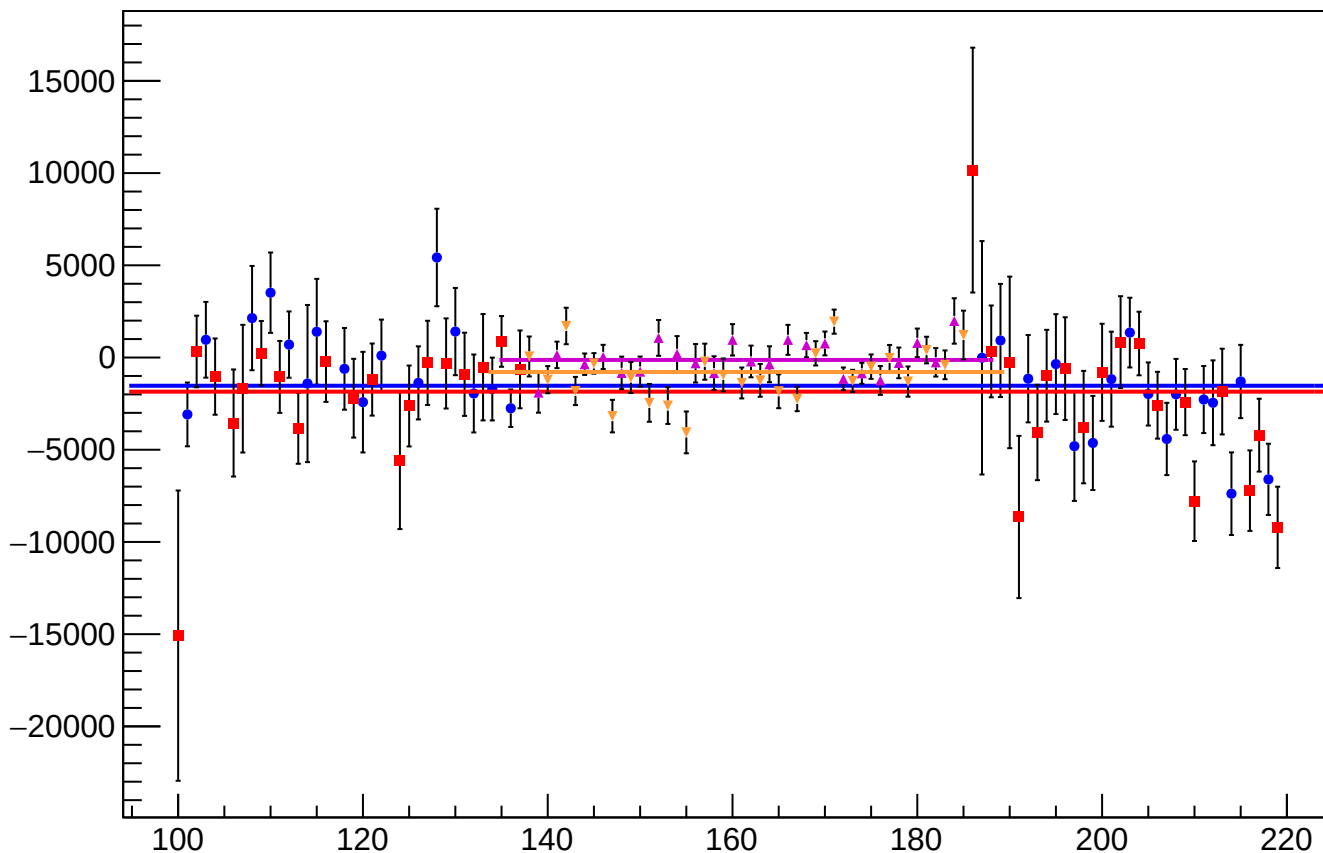
Left In: 97.017 $\pm$ 0.017 χ^2 /NDF:1321187.5/22

+ sign 108.477 $\pm$ 0.013 χ^2 /NDF: 6123361.4/56

All: 109.378 $\pm$ 0.009 χ^2 /NDF: 13192745.7/1

- sign 110.319 $\pm$ 0.013 χ^2 /NDF: 7059382.5/59

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -1530.517 ± 369.142 χ^2/NDF : 45.2/31

Left Out: -783.756 ± 158.329 χ^2/NDF : 66.3/24

Right Out: -1851.340 ± 374.313 χ^2/NDF : 52.6/36

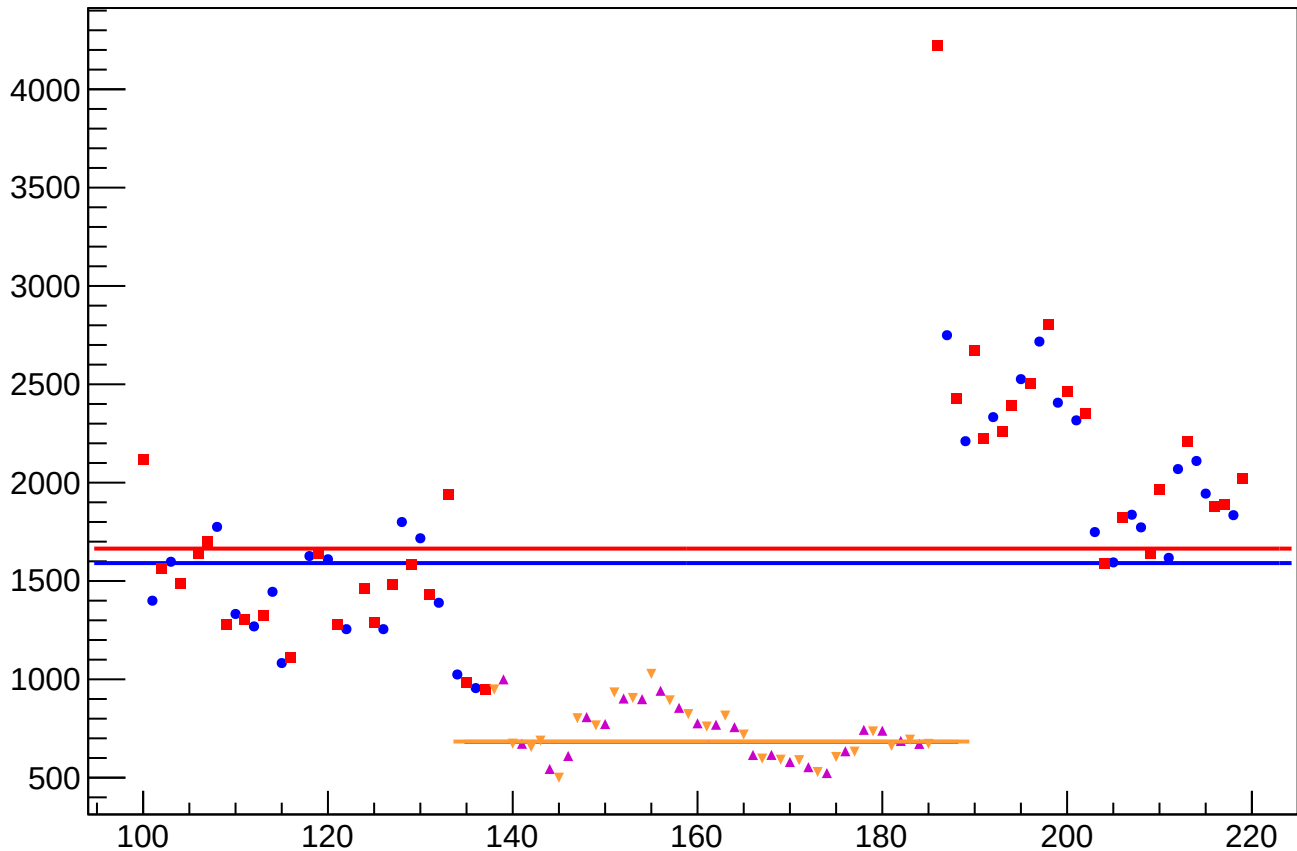
Left In: -131.380 ± 162.409 χ^2/NDF : 24.3/22

+ sign -899.787 ± 145.509 χ^2/NDF : 115.0/56

All: -657.691 ± 104.099 χ^2/NDF : 215.3/116

- sign -403.876 ± 148.990 χ^2/NDF : 94.7/59

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1591.017 $\pm$ 0.261 χ^2 /NDF: 2936647.2/31

Left Out: 683.698 $\pm$ 0.112 χ^2 /NDF: 1297969.4/24

Right Out: 1664.670 $\pm$ 0.265 χ^2 /NDF: 3256020.7/36

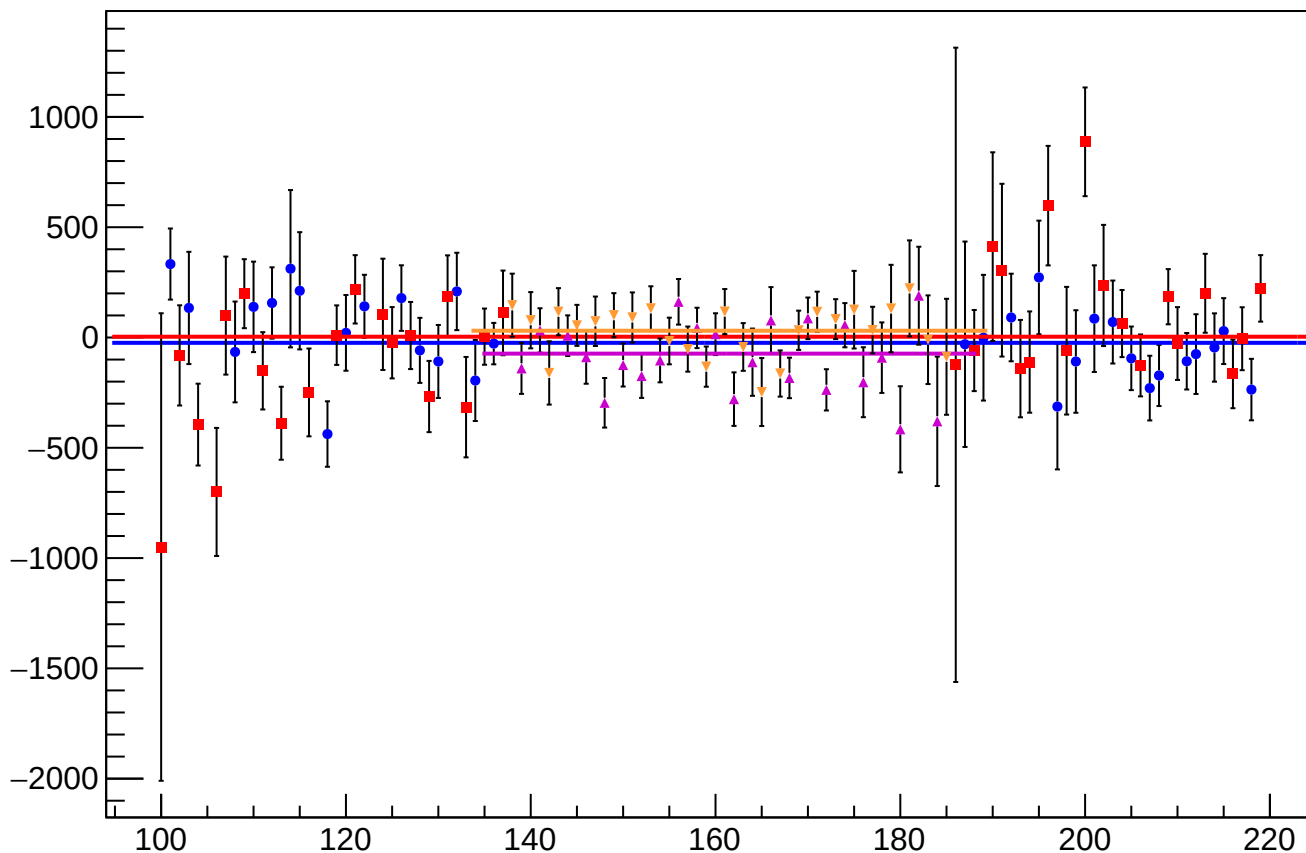
Left In: 681.961 $\pm$ 0.115 χ^2 /NDF: 1186135.0/22

+ sign 824.677 $\pm$ 0.103 χ^2 /NDF: 14439886.2/56

All: 831.012 $\pm$ 0.074 χ^2 /NDF: 30490879.1/11

- sign 837.653 $\pm$ 0.105 χ^2 /NDF: 16043227.5/59

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: -24.144 ± 30.171 χ^2/NDF : 32.4/31

Left Out: 30.684 ± 22.856 χ^2/NDF : 19.9/24

Right Out: 3.530 ± 30.471 χ^2/NDF : 57.7/36

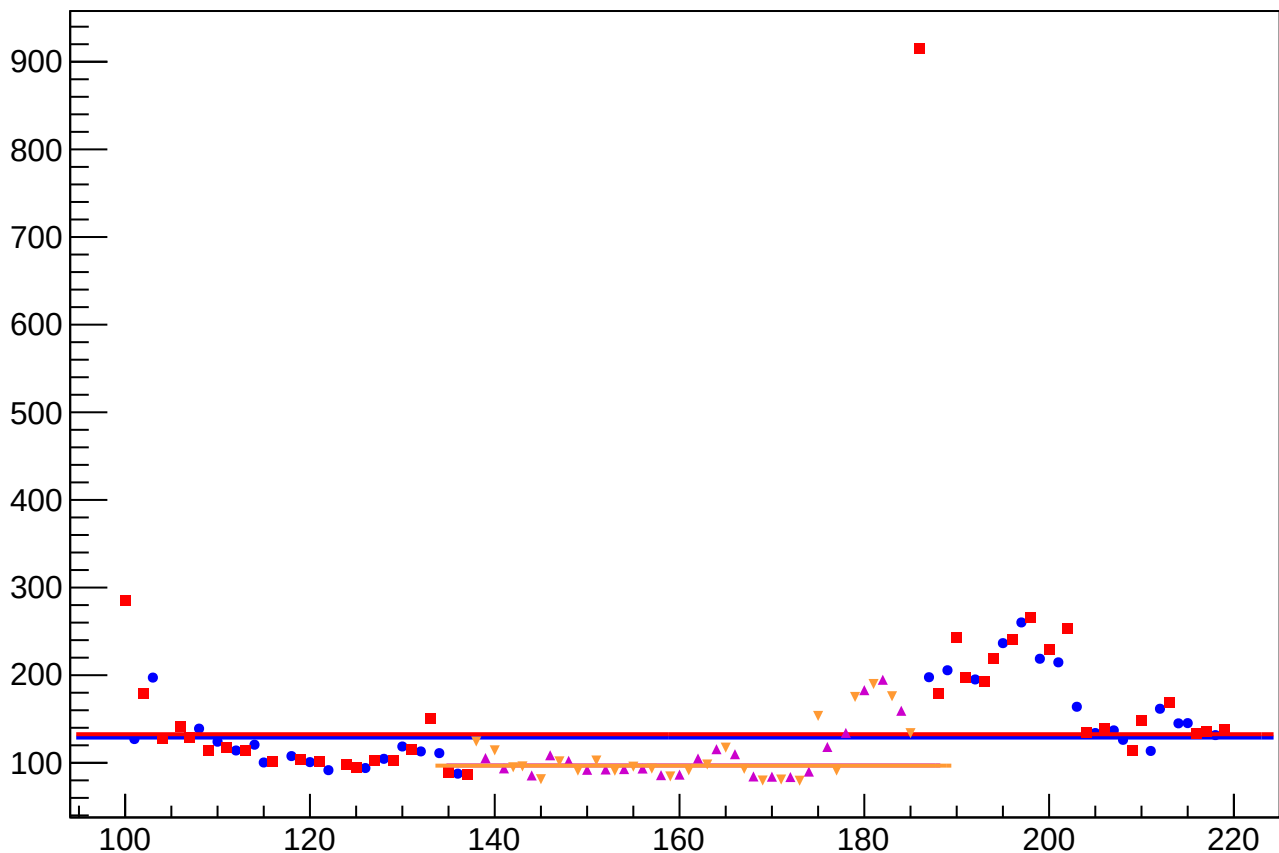
Left In: -73.146 ± 23.510 χ^2/NDF : 34.5/22

+ sign 10.692 ± 18.218 χ^2/NDF : 54.5/56

All: -16.328 ± 13.020 χ^2/NDF : 155.2/116

- sign -44.534 ± 18.614 χ^2/NDF : 96.2/59

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 128.833 $\pm$ 0.021 χ^2 /NDF: 2969911.4/31

Left Out: 96.795 $\pm$ 0.016 χ^2 /NDF:1720415.9/24

Right Out: 132.664 $\pm$ 0.022 χ^2 /NDF: 4022423.4/36

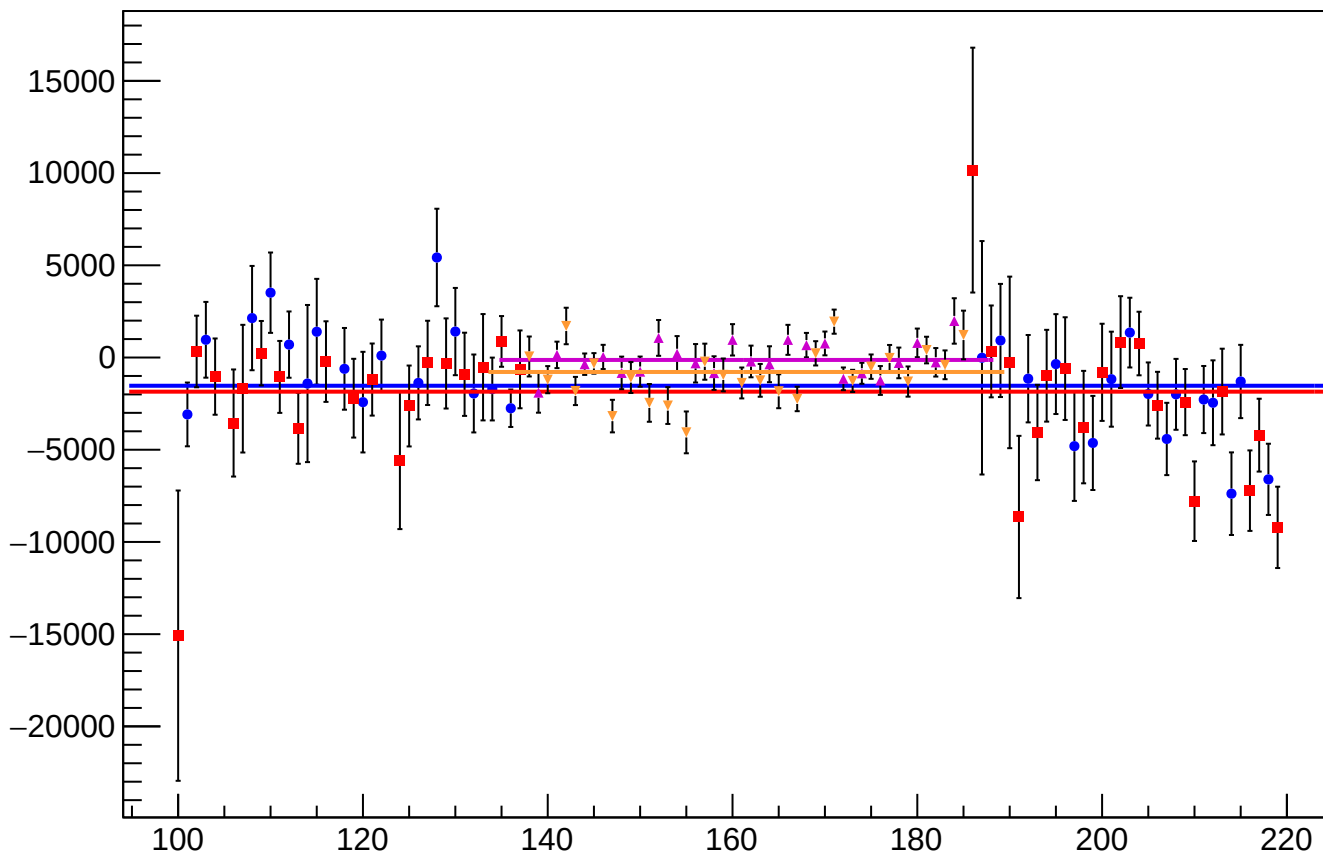
Left In: 97.017 $\pm$ 0.017 χ^2 /NDF:1321171.2/22

+ sign 108.477 $\pm$ 0.013 χ^2 /NDF: 6123305.7/56

All: 109.378 $\pm$ 0.009 χ^2 /NDF: 13192628.8/131

- sign 110.319 $\pm$ 0.013 χ^2 /NDF: 7059321.1/59

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug



Right In: -1530.511 ± 369.142 χ^2/NDF : 45.2/31

Left Out: -783.754 ± 158.328 χ^2/NDF : 66.3/24

Right Out: -1851.336 ± 374.313 χ^2/NDF : 52.6/36

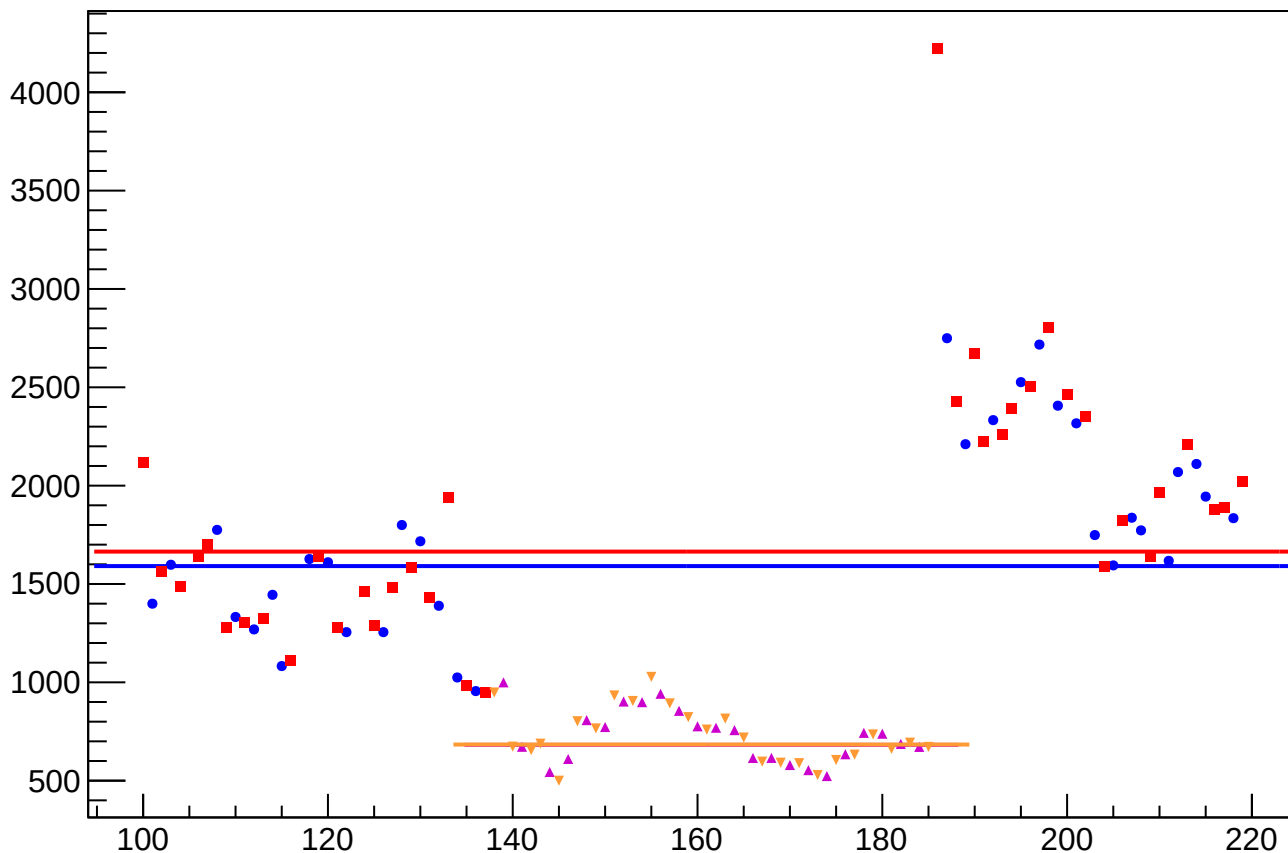
Left In: -131.379 ± 162.409 χ^2/NDF : 24.3/22

+ sign -899.785 ± 145.509 χ^2/NDF : 115.0/56

All: -657.689 ± 104.099 χ^2/NDF : 215.3/116

- sign -403.874 ± 148.989 χ^2/NDF : 94.7/59

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1591.014+/-0.261 χ^2/NDF : 2936656.8/31

Left Out: 683.696+/-0.112 χ^2/NDF : 1297975.5/24

Right Out: 1664.667+/-0.265 χ^2/NDF : 3256033.1/36

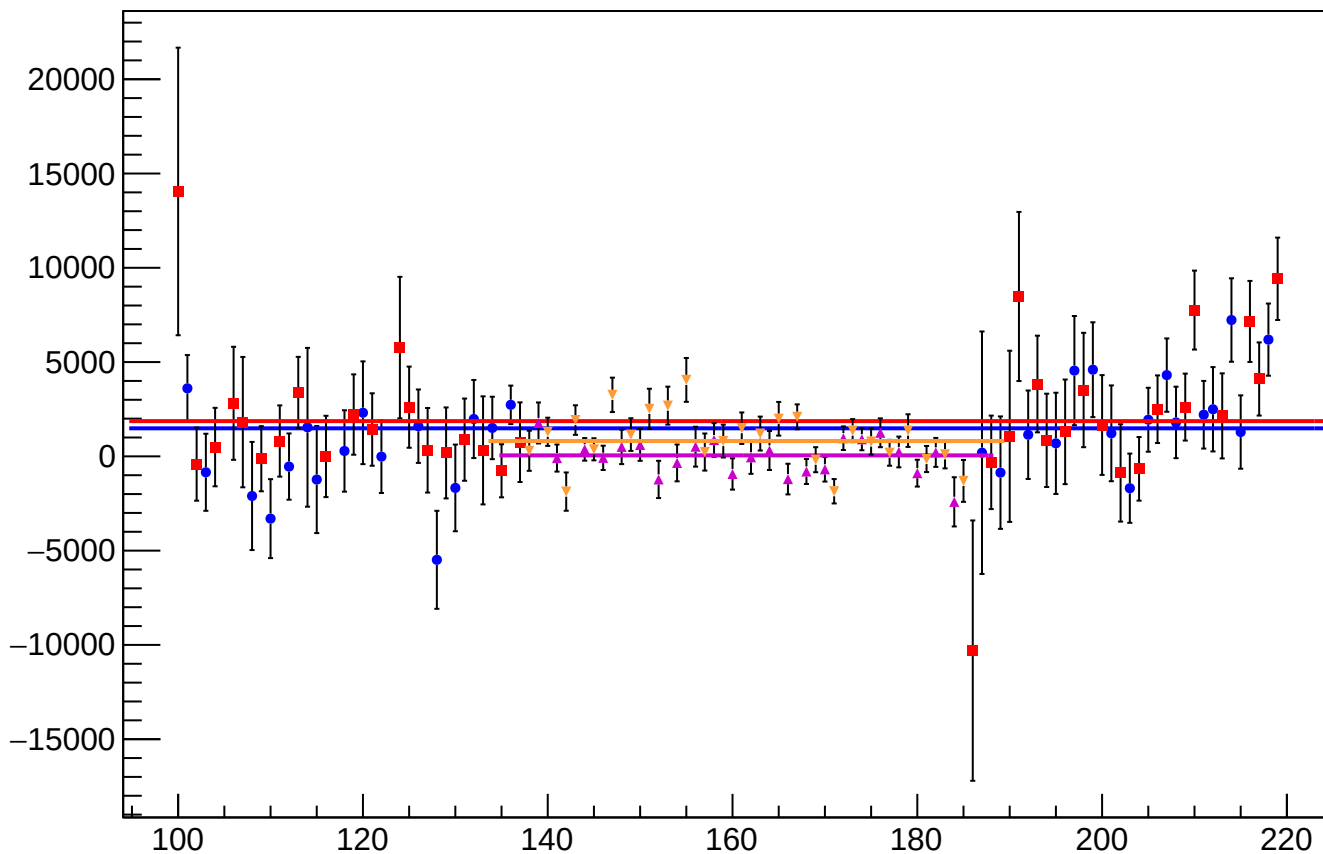
Left In: 681.960+/-0.115 χ^2/NDF : 1186136.6/22

+ sign 824.675+/-0.103 χ^2/NDF : 14439909.8/56

All: 831.010+/-0.074 χ^2/NDF : 30490924.3/11

- sign 837.651+/-0.105 χ^2/NDF : 16043249.2/59

asym_sam_2468_avg_mean vs Slug



Right In: 1486.957 ± 364.565 χ^2/NDF : 45.2/31

Left Out: 814.067 ± 159.256 χ^2/NDF : 65.8/24

Right Out: 1868.982 ± 371.205 χ^2/NDF : 52.2/36

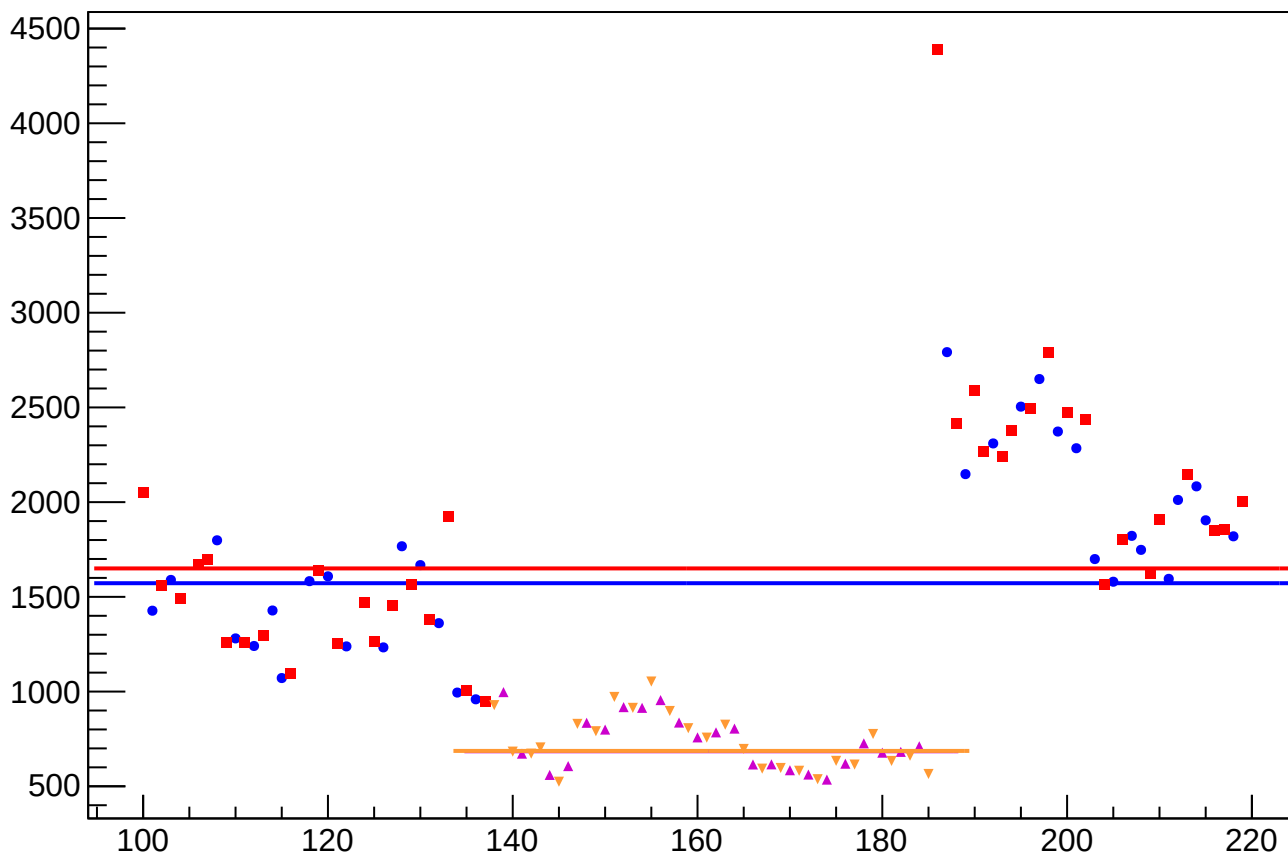
Left In: 52.290 ± 163.036 χ^2/NDF : 25.4/22

+ sign 921.897 ± 145.939 χ^2/NDF : 113.9/56

All: 640.482 ± 104.353 χ^2/NDF : 219.1/116

- sign 346.065 ± 149.273 χ^2/NDF : 97.6/59

asym_sam_2468_avg_rms vs Slug



Right In: 1572.055 $\pm$ 0.258 χ^2 /NDF: 2881864.5/31

Left Out: 686.700 $\pm$ 0.113 χ^2 /NDF:1312231.8/24

Right Out: 1650.084 $\pm$ 0.262 χ^2 /NDF: 3264138.4/36

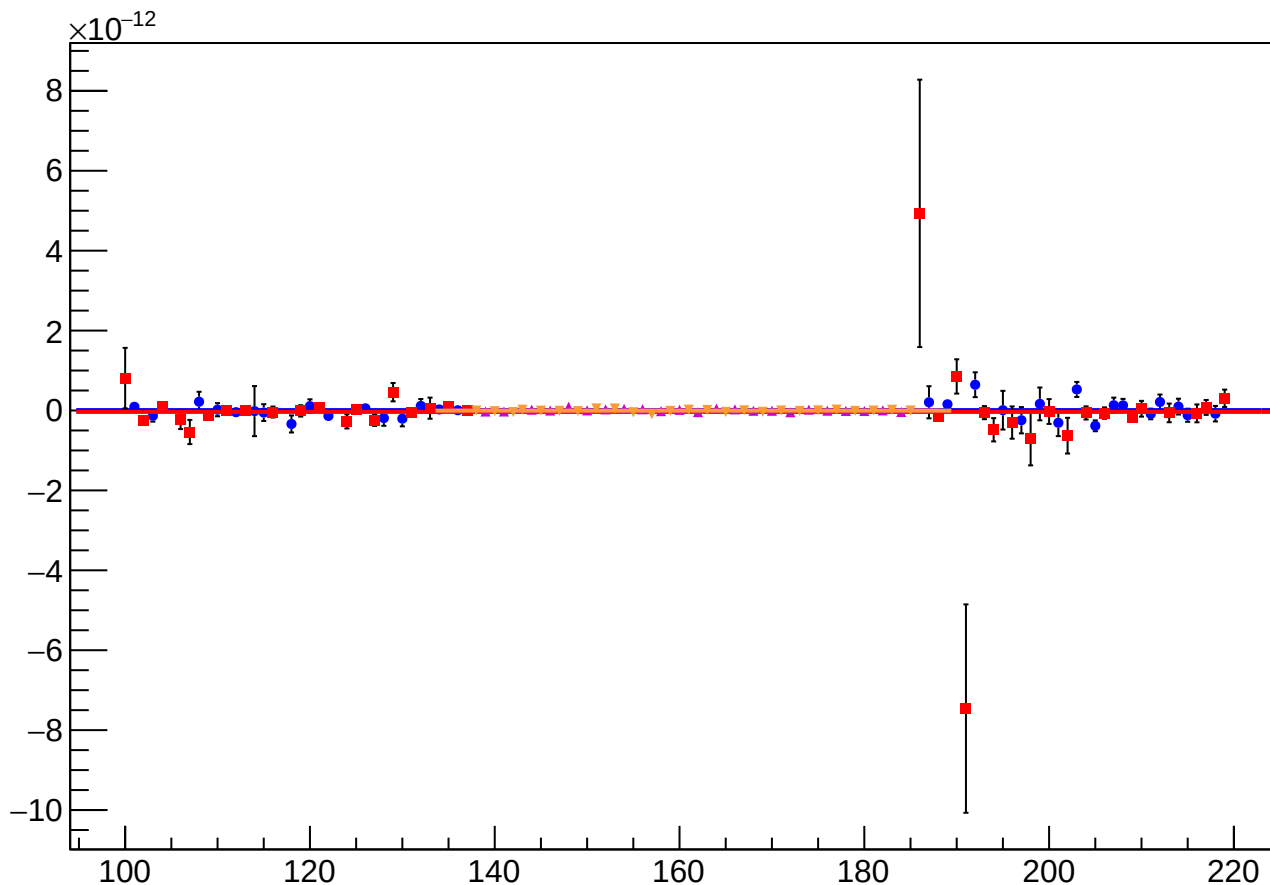
Left In: 684.763 $\pm$ 0.115 χ^2 /NDF:1165205.5/22

+ sign 828.576 $\pm$ 0.103 χ^2 /NDF: 14099368.0/56

All: 834.581 $\pm$ 0.074 χ^2 /NDF: 29873737.5/1

- sign 840.864 $\pm$ 0.106 χ^2 /NDF: 15767440.5/59

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 38.6/31

Left Out: -0.000+/-0.000 χ^2/NDF : 16.5/24

Right Out: -0.000+/-0.000 χ^2/NDF : 51.0/36

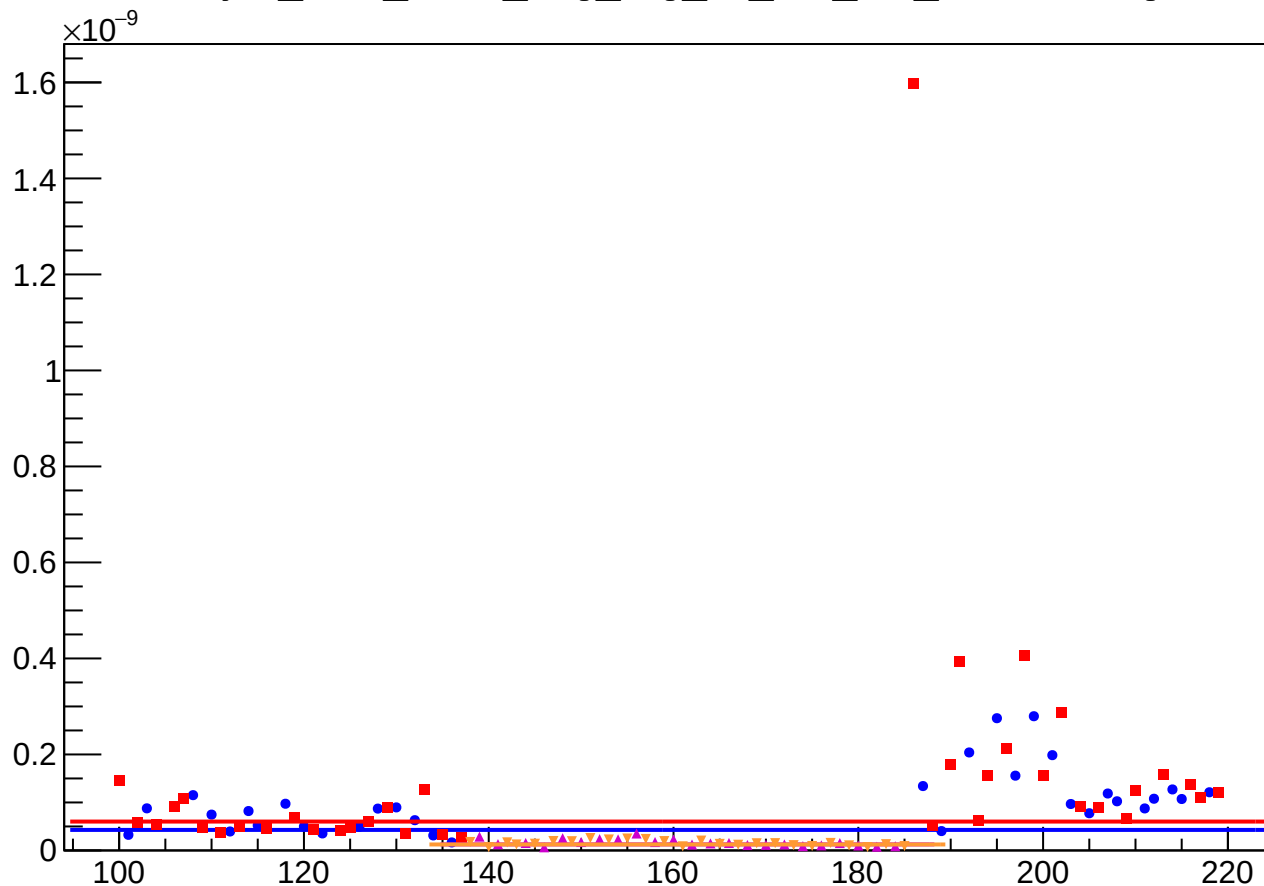
Left In: 0.000+/-0.000 χ^2/NDF : 20.5/22

+ sign -0.000+/-0.000 χ^2/NDF : 55.5/56

All: -0.000+/-0.000 χ^2/NDF : 129.1/116

- sign -0.000+/-0.000 χ^2/NDF : 73.5/59

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7312578.8/31

Left Out: 0.000+/-0.000 χ^2/NDF :1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4762837.7/36

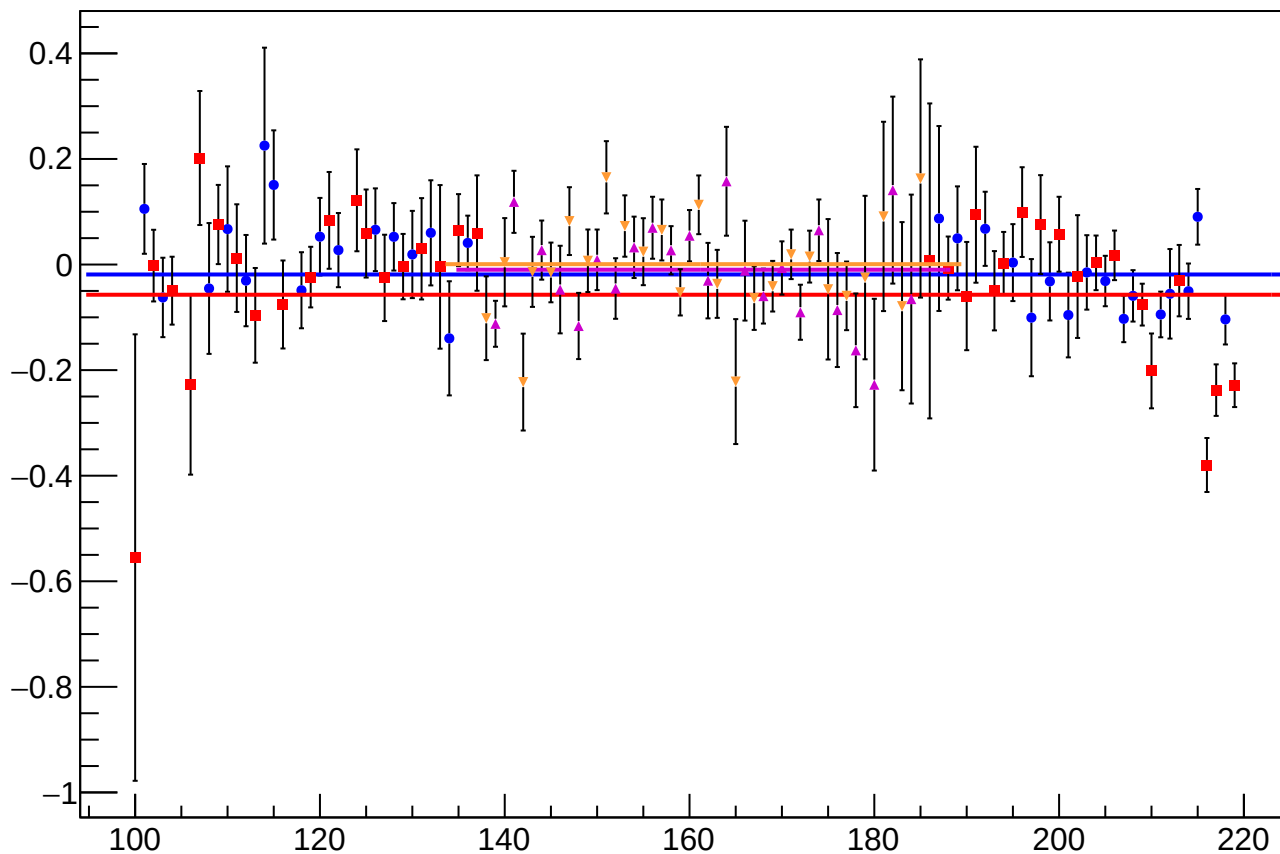
Left In: 0.000+/-0.000 χ^2/NDF :1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 13484646.6/56

All: 0.000+/-0.000 χ^2/NDF : 27530452.6/116

- sign 0.000+/-0.000 χ^2/NDF : 14039376.1/59

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.019 ± 0.012 χ^2/NDF : 34.3/31

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: -0.057 ± 0.012 χ^2/NDF : 115.6/36

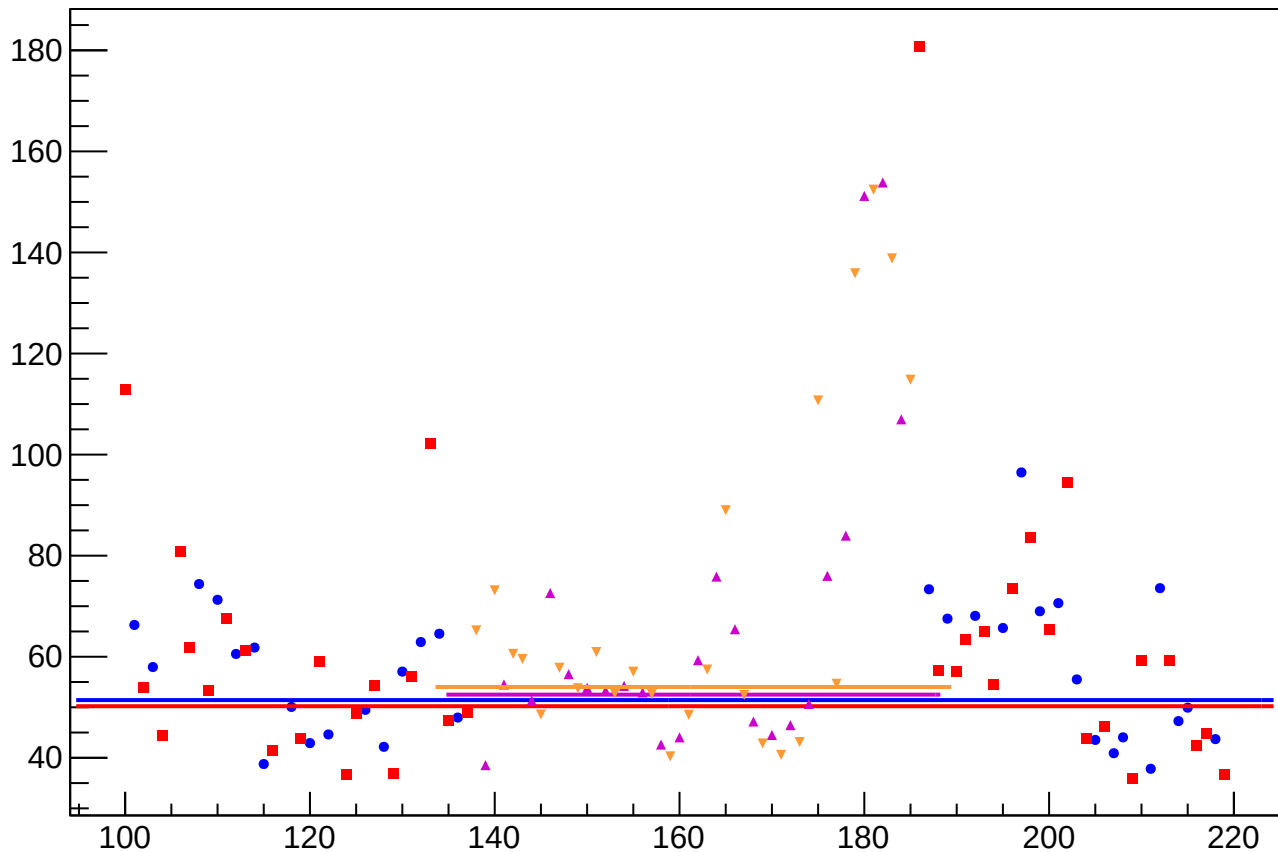
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign -0.010 ± 0.009 χ^2/NDF : 67.2/56

All: -0.023 ± 0.006 χ^2/NDF : 226.4/116

- sign -0.036 ± 0.009 χ^2/NDF : 154.7/59

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 51.420 $\pm$ 0.009 χ^2 /NDF: 1875153.5/31

Left Out: 54.014 $\pm$ 0.009 χ^2 /NDF:3227550.5/24

Right Out: 50.212 $\pm$ 0.008 χ^2 /NDF: 2648030.1/36

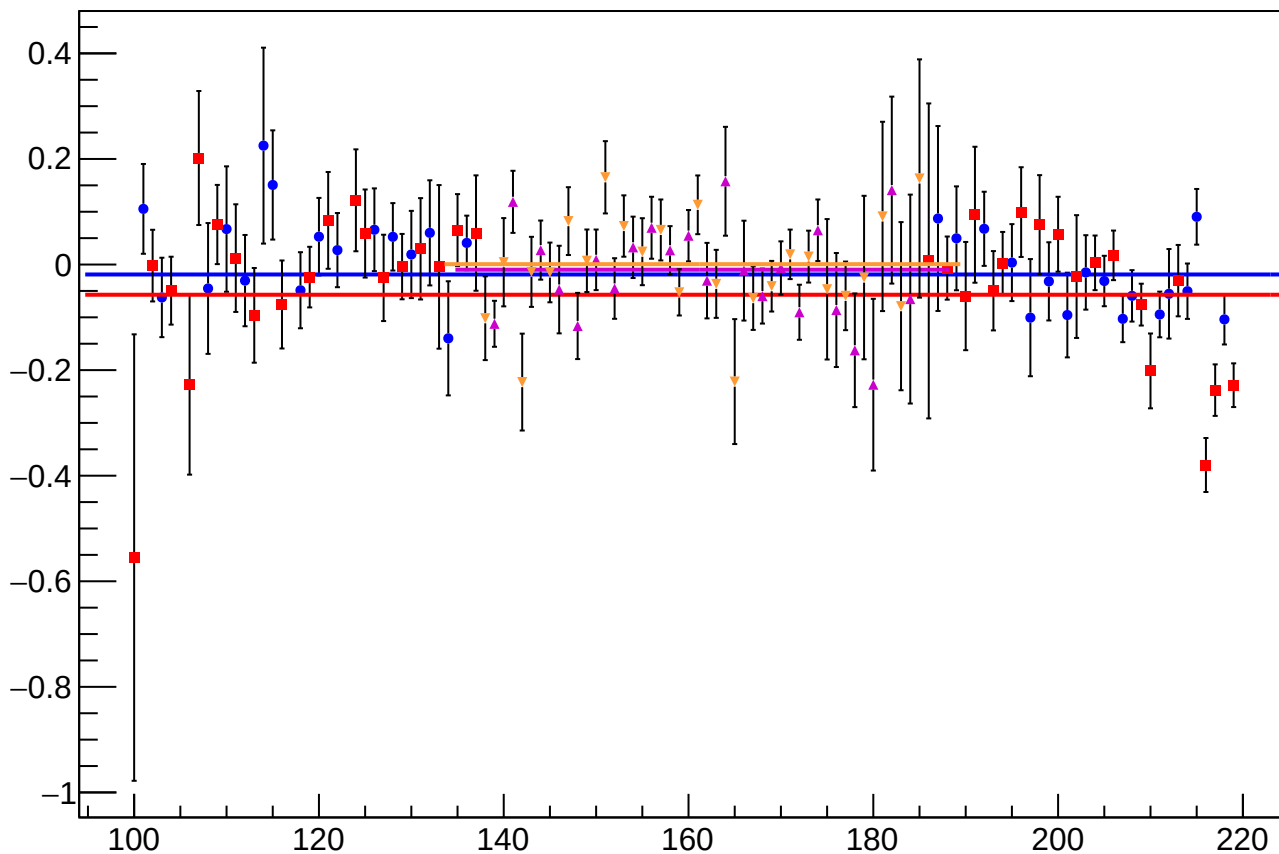
Left In: 52.502 $\pm$ 0.009 χ^2 /NDF:2557763.5/22

+ sign 52.607 $\pm$ 0.006 χ^2 /NDF: 5144354.8/56

All: 51.895 $\pm$ 0.004 χ^2 /NDF: 10408589.0/116

- sign 51.215 $\pm$ 0.006 χ^2 /NDF: 5239515.3/59

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.019 ± 0.012 χ^2/NDF : 34.3/31

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: -0.057 ± 0.012 χ^2/NDF : 115.6/36

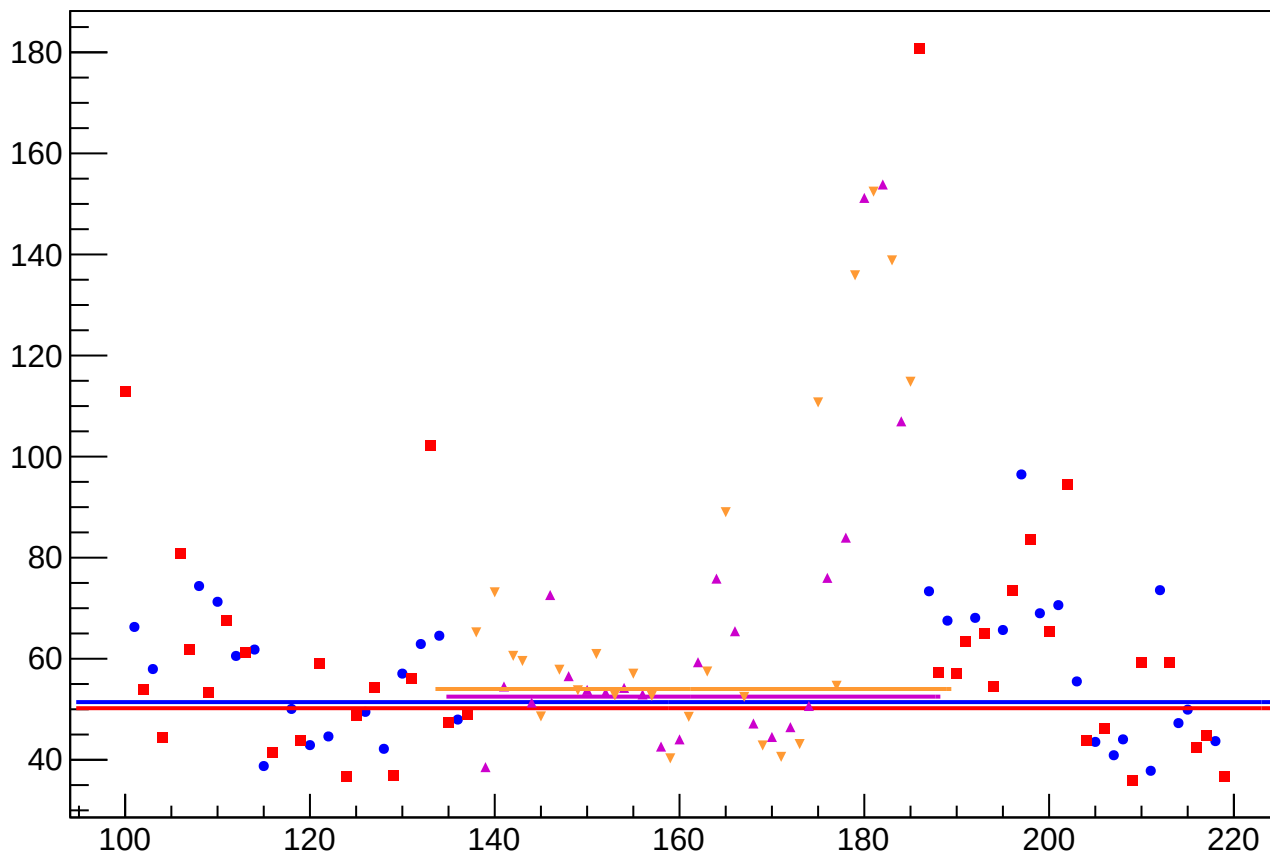
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign -0.010 ± 0.009 χ^2/NDF : 67.2/56

All: -0.023 ± 0.006 χ^2/NDF : 226.4/116

- sign -0.036 ± 0.009 χ^2/NDF : 154.7/59

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.420 $\pm$ 0.009 χ^2/NDF : 1875153.5/31

Left Out: 54.014 $\pm$ 0.009 χ^2/NDF : 3227550.5/24

Right Out: 50.212 $\pm$ 0.008 χ^2/NDF : 2648030.1/36

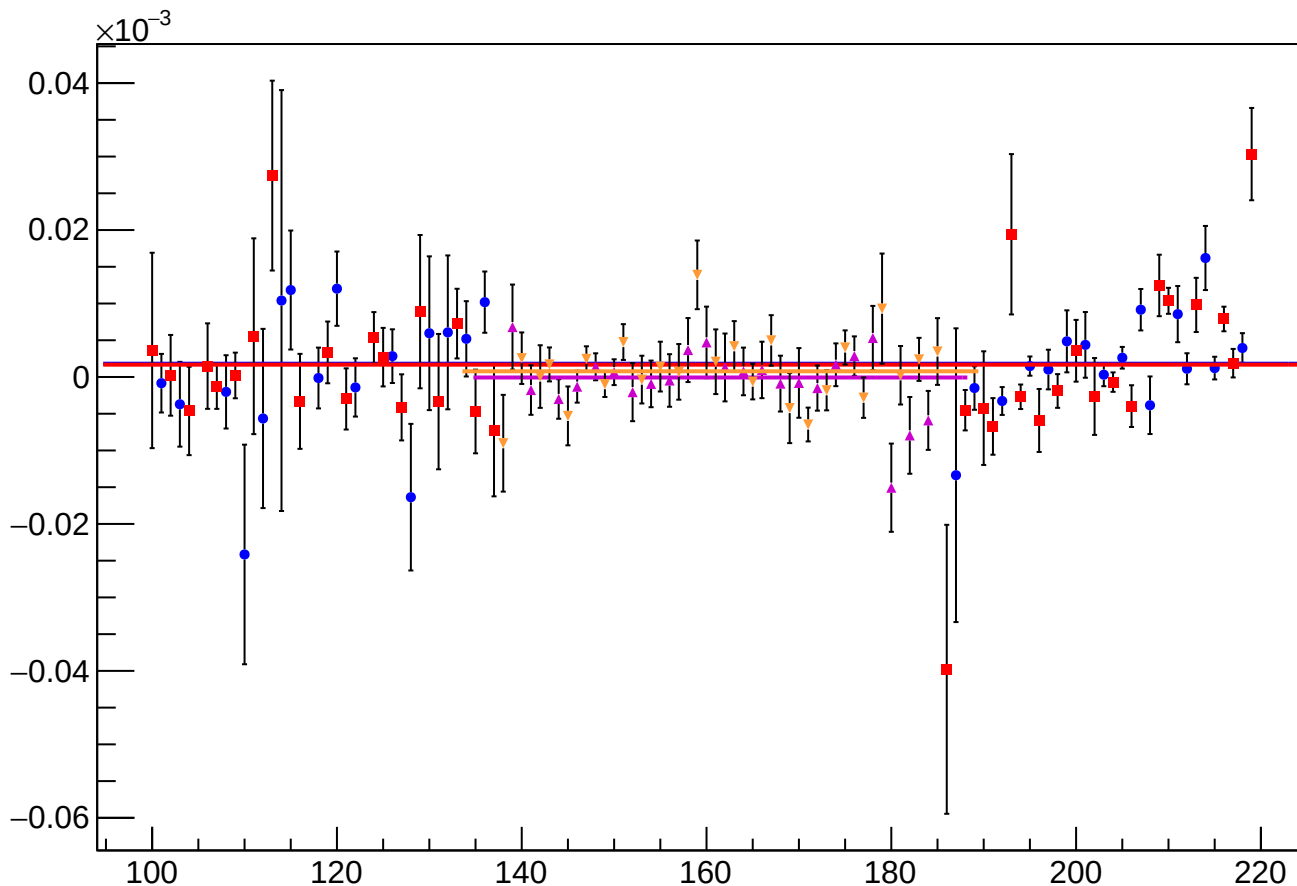
Left In: 52.502 $\pm$ 0.009 χ^2/NDF : 2557763.5/22

+ sign 52.607 $\pm$ 0.006 χ^2/NDF : 5144354.8/56

All: 51.895 $\pm$ 0.004 χ^2/NDF : 10408589.0/116

- sign 51.215 $\pm$ 0.006 χ^2/NDF : 5239515.3/59

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 55.6/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 123.9/36

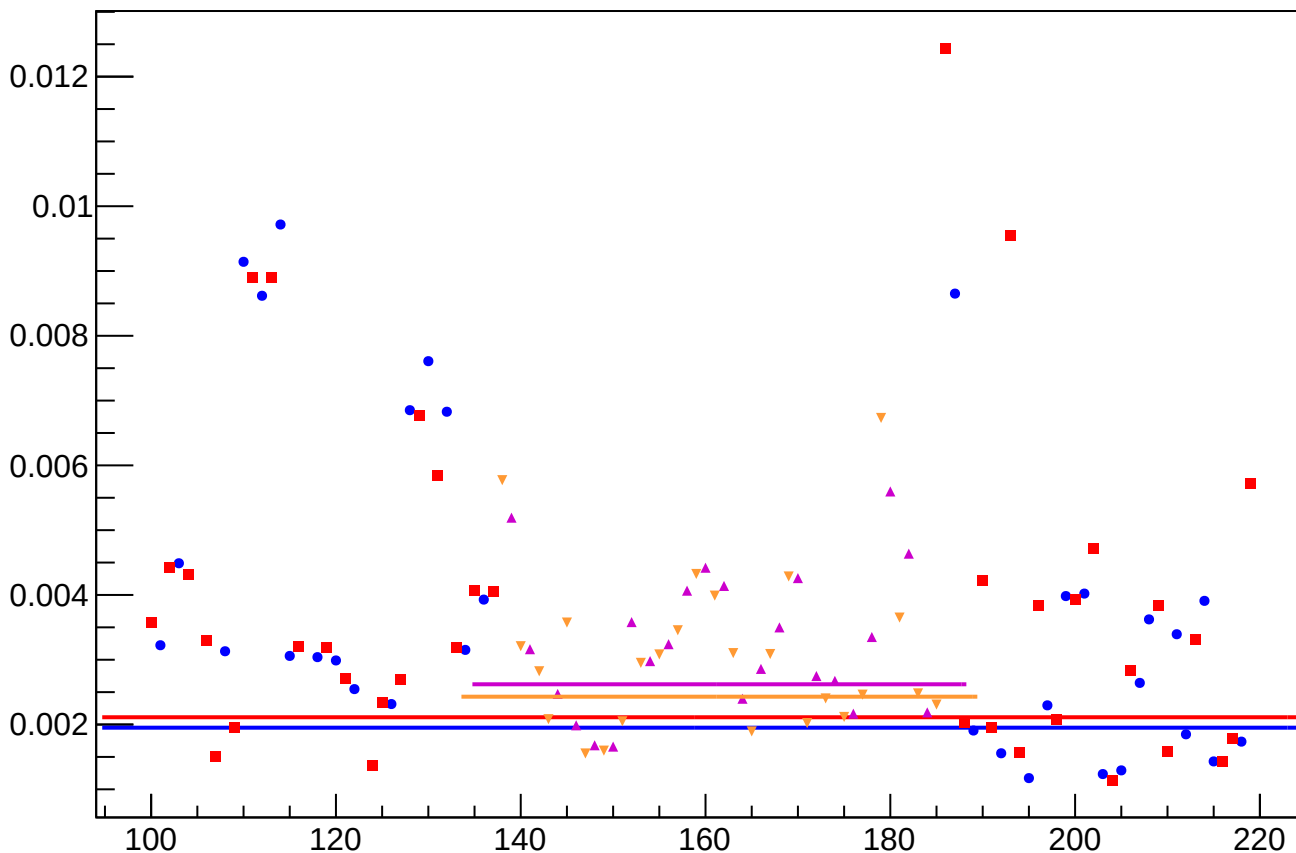
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:20.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 95.4/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 244.2/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 148.3/59

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 ± 0.000 χ^2/NDF : 8485391.6/31

Left Out: 0.002 ± 0.000 χ^2/NDF : 4218362.5/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 9457235.5/36

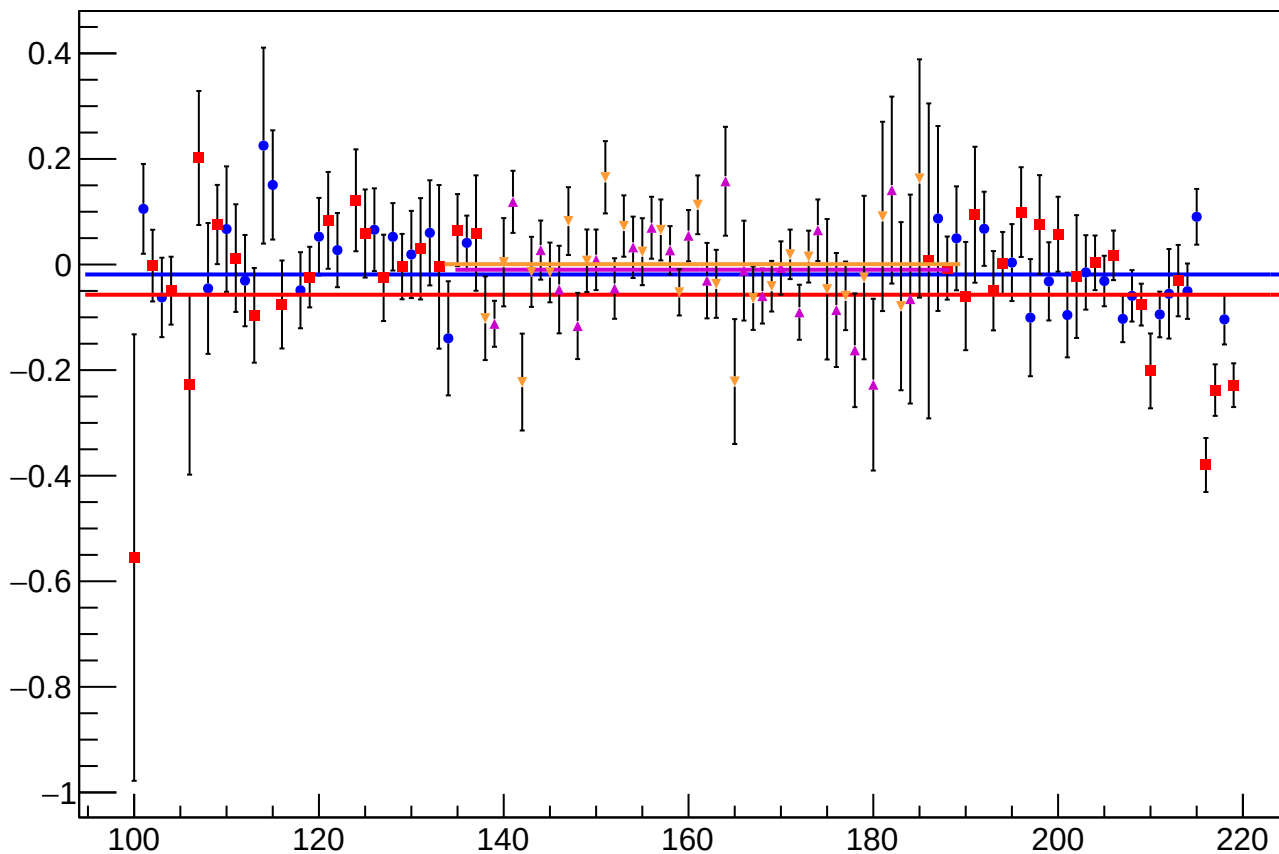
Left In: 0.003 ± 0.000 χ^2/NDF : 3955310.5/22

+ sign 0.002 ± 0.000 χ^2/NDF : 13452761.2/56

All: 0.002 ± 0.000 χ^2/NDF : 27734642.2/116

- sign 0.002 ± 0.000 χ^2/NDF : 14127631.8/59

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.019 ± 0.012 χ^2/NDF : 34.3/31

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: -0.057 ± 0.012 χ^2/NDF : 115.6/36

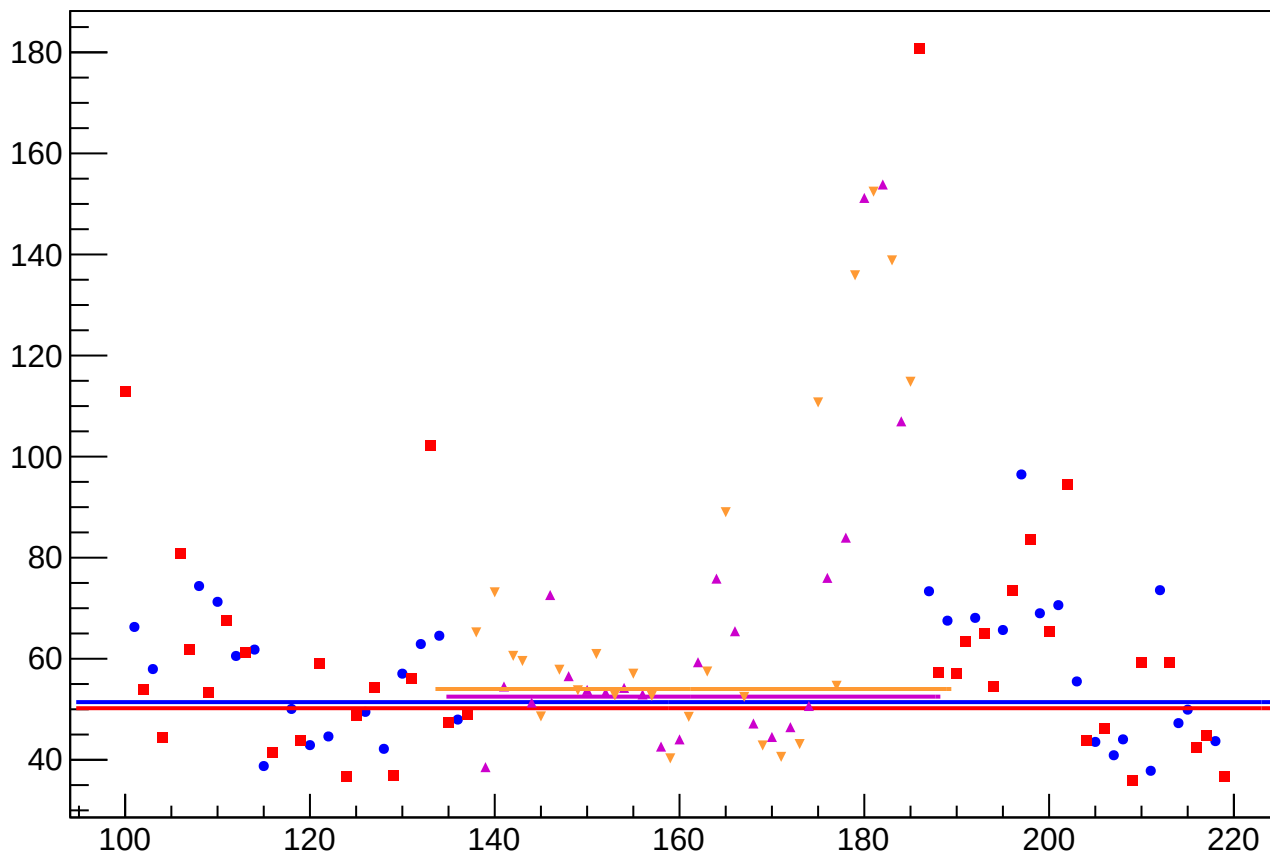
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign -0.010 ± 0.009 χ^2/NDF : 67.2/56

All: -0.023 ± 0.006 χ^2/NDF : 226.4/116

- sign -0.036 ± 0.009 χ^2/NDF : 154.7/59

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 51.419 $\pm$ 0.009 χ^2 /NDF: 1875057.2/31

Left Out: 54.014 $\pm$ 0.009 χ^2 /NDF: 3227569.4/24

Right Out: 50.211 $\pm$ 0.008 χ^2 /NDF: 2648030.6/36

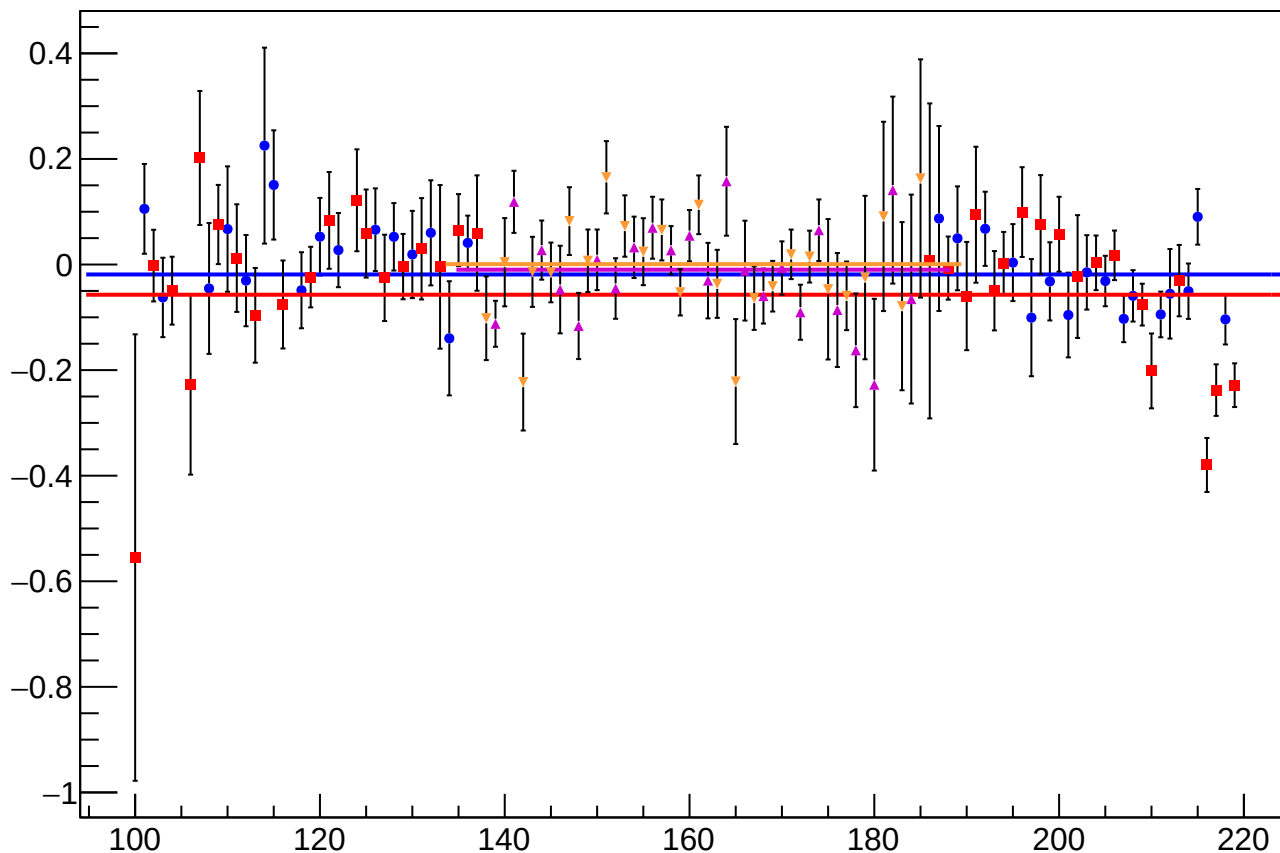
Left In: 52.502 $\pm$ 0.009 χ^2 /NDF: 2557805.6/22

+ sign 52.607 $\pm$ 0.006 χ^2 /NDF: 5144303.9/56

All: 51.895 $\pm$ 0.004 χ^2 /NDF: 10408607.0/116

- sign 51.215 $\pm$ 0.006 χ^2 /NDF: 5239581.8/59

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.019 ± 0.012 χ^2/NDF : 34.3/31

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: -0.057 ± 0.012 χ^2/NDF : 115.6/36

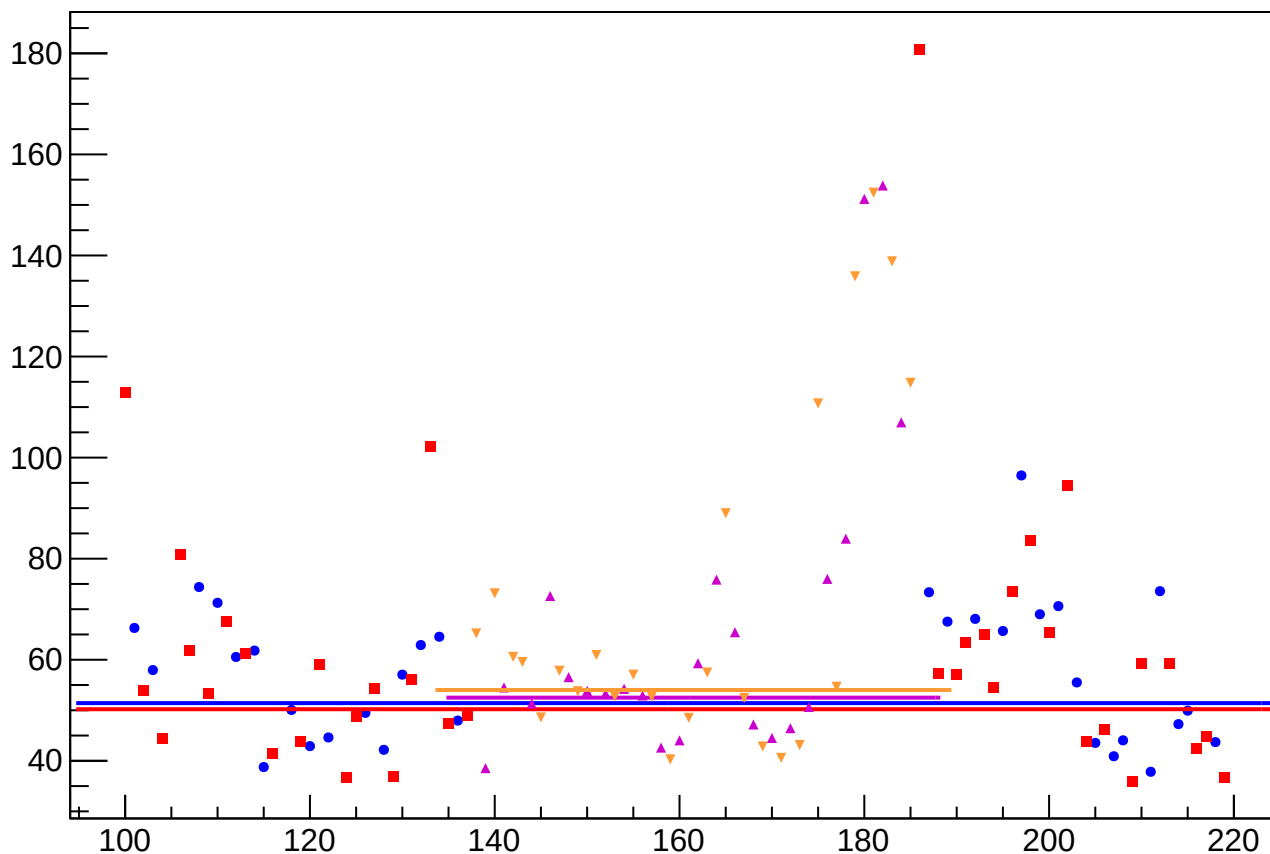
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign -0.010 ± 0.009 χ^2/NDF : 67.2/56

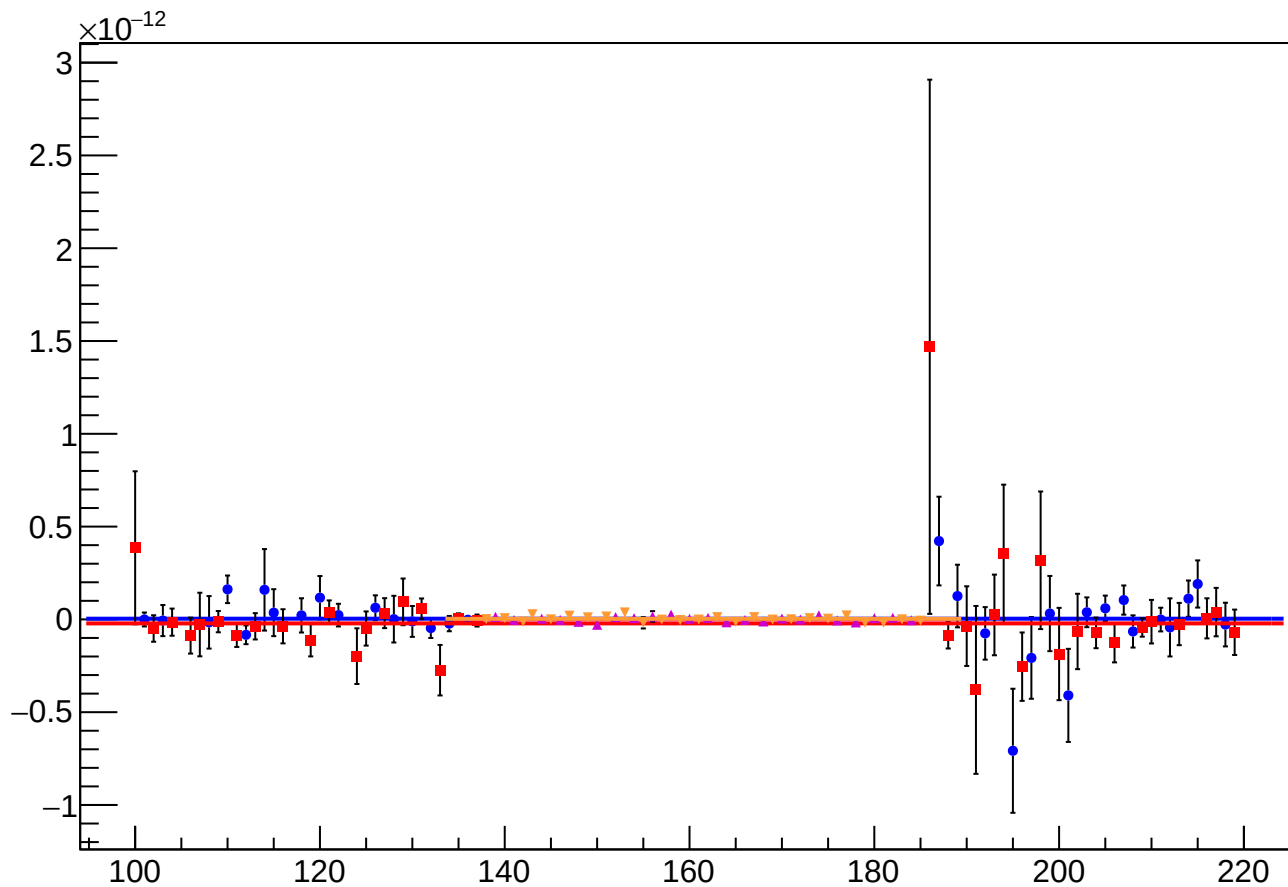
All: -0.023 ± 0.006 χ^2/NDF : 226.4/116

- sign -0.036 ± 0.009 χ^2/NDF : 154.7/59

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 30.2/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 22.5/36

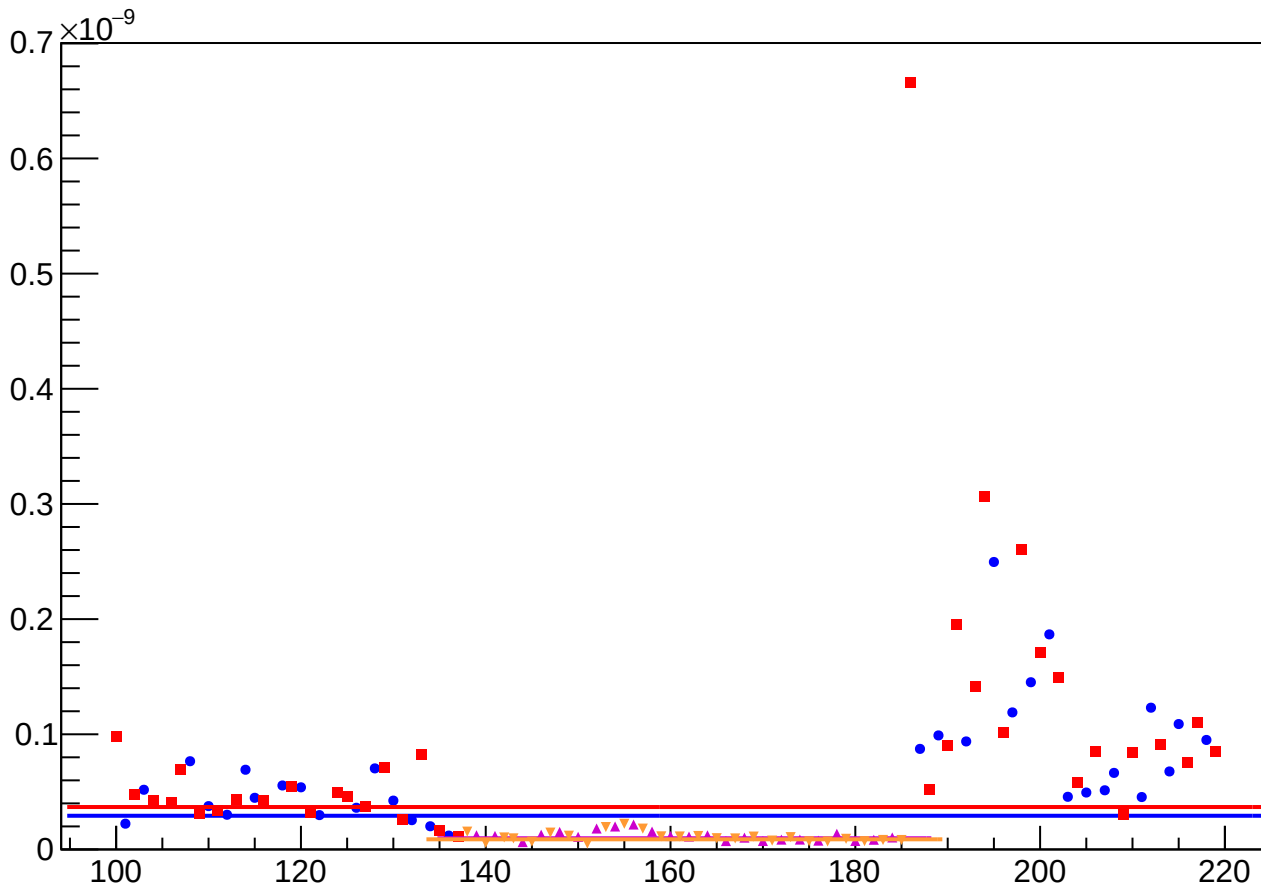
Left In: 0.000 ± 0.000 χ^2/NDF : 15.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 52.0/56

All: 0.000 ± 0.000 χ^2/NDF : 93.3/116

- sign 0.000 ± 0.000 χ^2/NDF : 40.9/59

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 10196905.2/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 2517075.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 10188114.6/36

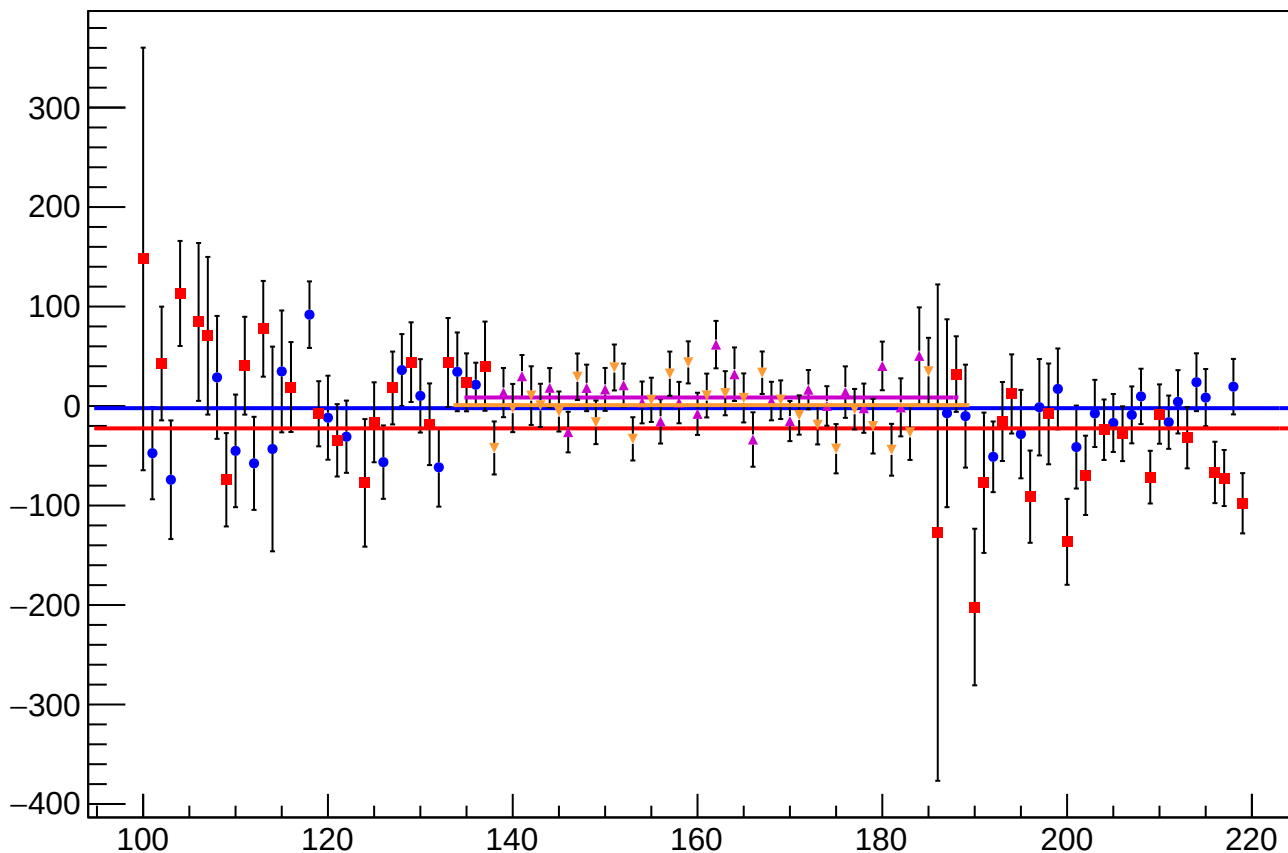
Left In: 0.000 ± 0.000 χ^2/NDF : 2320113.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 19292739.6/56

All: 0.000 ± 0.000 χ^2/NDF : 40482519.5/116

- sign 0.000 ± 0.000 χ^2/NDF : 21023120.4/59

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -2.145 ± 6.464 χ^2/NDF : 27.1/31

Left Out: 0.917 ± 4.574 χ^2/NDF : 29.2/24

Right Out: -22.447 ± 6.558 χ^2/NDF : 66.1/36

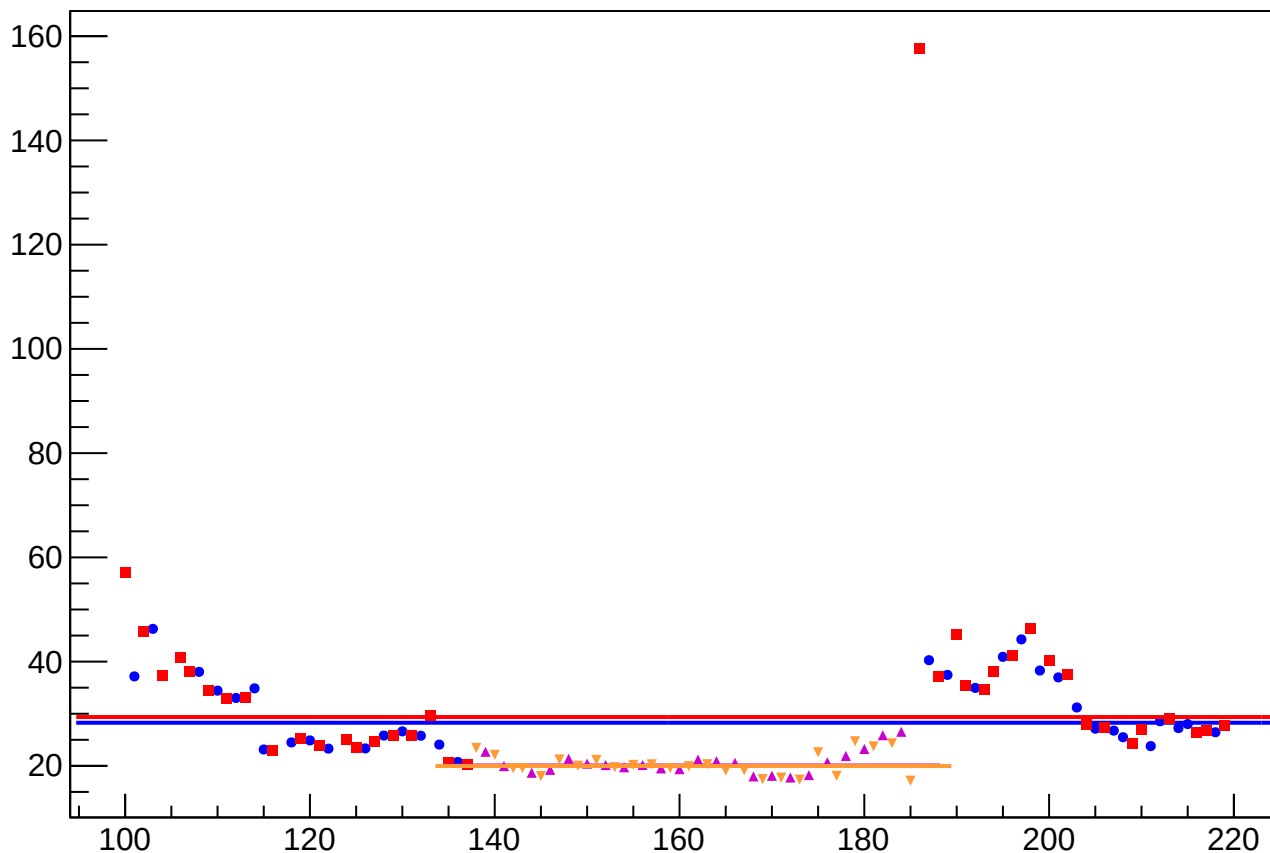
Left In: 8.600 ± 4.724 χ^2/NDF : 19.4/22

+ sign -0.105 ± 3.734 χ^2/NDF : 56.5/56

All: -1.030 ± 2.675 χ^2/NDF : 156.9/116

- sign -2.005 ± 3.833 χ^2/NDF : 100.3/59

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.276+/-0.005 χ^2/NDF : 1624443.9/31

Left Out: 19.969+/-0.003 χ^2/NDF : 386763.9/24

Right Out: 29.367+/-0.005 χ^2/NDF : 2395717.9/36

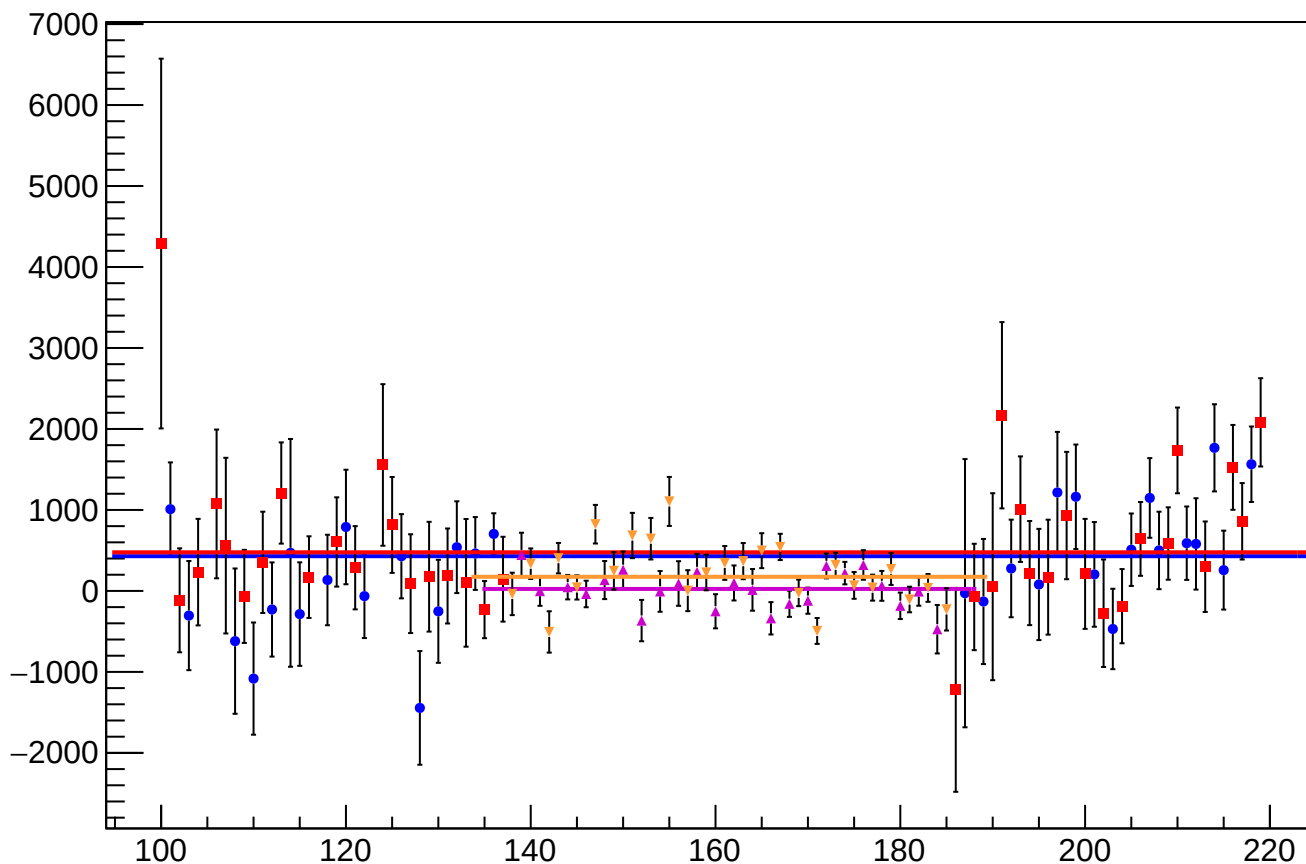
Left In: 20.072+/-0.003 χ^2/NDF : 301705.2/22

+ sign 22.740+/-0.003 χ^2/NDF : 4212048.7/56

All: 22.987+/-0.002 χ^2/NDF : 9572443.0/116

- sign 23.247+/-0.003 χ^2/NDF : 5342424.3/59

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 428.639 $\pm$ 96.977 χ^2 /NDF: 43.1/31

Left Out: 174.693 $\pm$ 39.049 χ^2 /NDF: 71.2/24

Right Out: 477.098 $\pm$ 99.416 χ^2 /NDF: 43.1/36

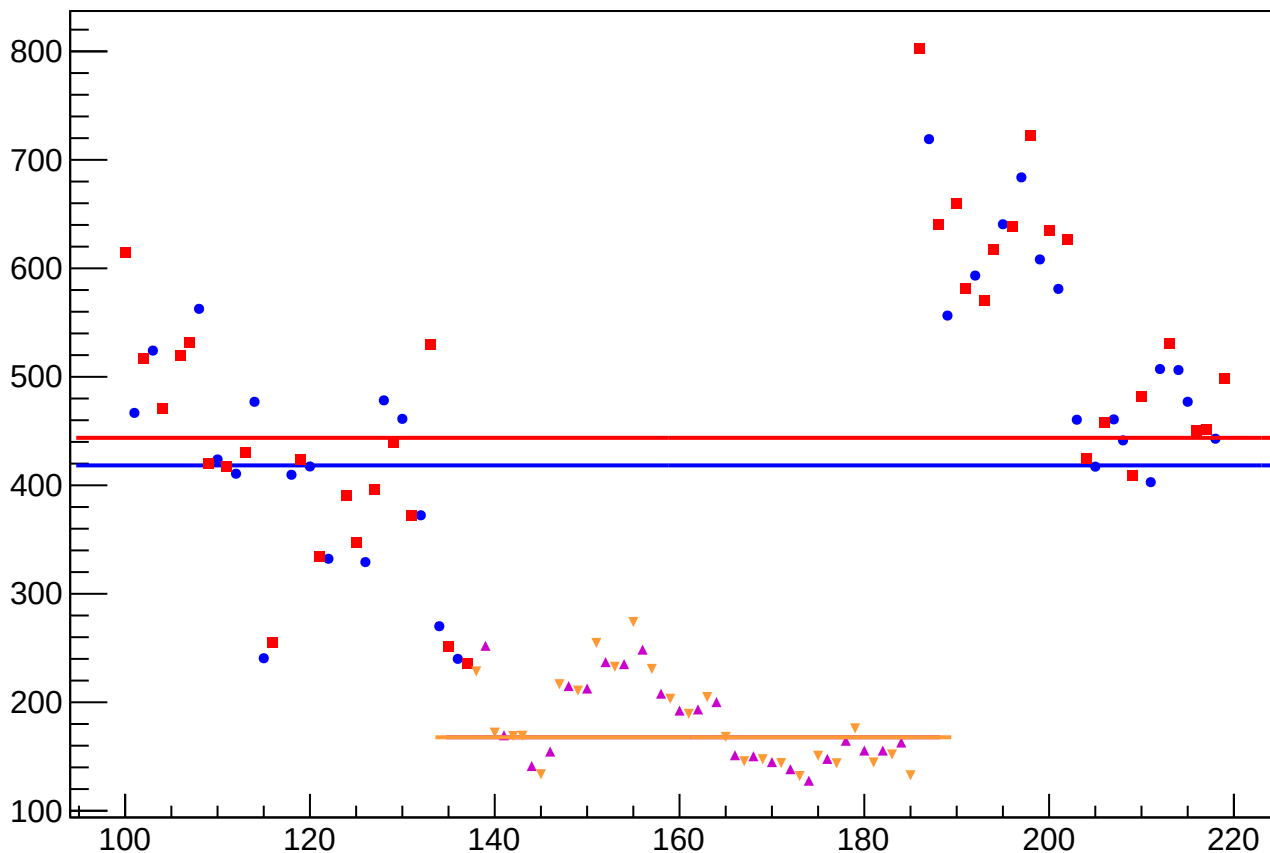
Left In: 24.589 $\pm$ 40.070 χ^2 /NDF: 26.9/22

+ sign 210.122 $\pm$ 36.223 χ^2 /NDF: 120.3/56

All: 150.545 $\pm$ 25.940 χ^2 /NDF: 213.6/116

- sign 87.828 $\pm$ 37.165 χ^2 /NDF: 87.8/59

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 418.357 ± 0.069 χ^2/NDF : 2852368.8/31

Left Out: 167.754 ± 0.028 χ^2/NDF : 1578232.9/24

Right Out: 443.764 ± 0.070 χ^2/NDF : 2954168.2/36

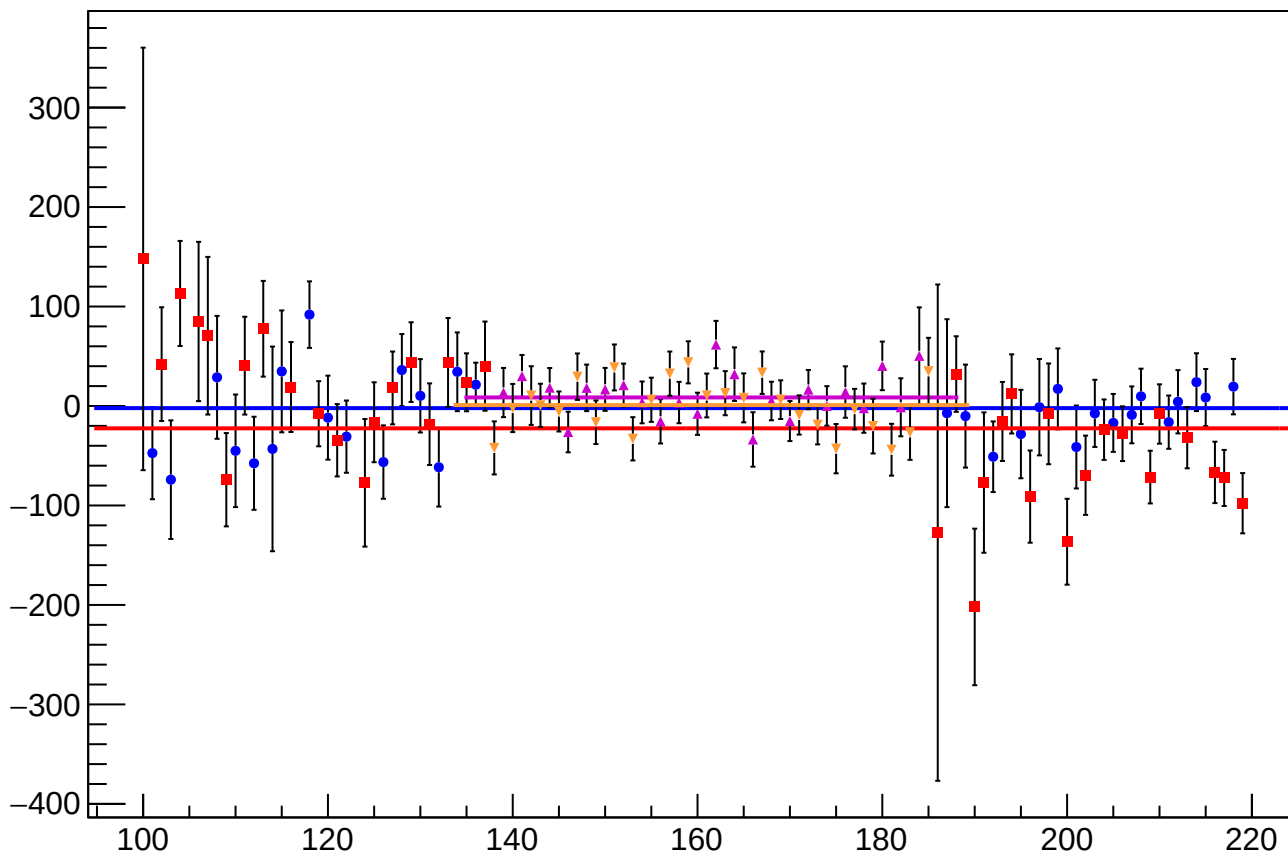
Left In: 167.748 ± 0.028 χ^2/NDF : 1403124.0/22

+ sign 202.718 ± 0.026 χ^2/NDF : 15922855.9/56

All: 204.473 ± 0.018 χ^2/NDF : 33551864.8/1

- sign 206.322 ± 0.026 χ^2/NDF : 17619361.7/59

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -2.143 ± 6.464 χ^2/NDF : 27.1/31

Left Out: 0.915 ± 4.574 χ^2/NDF : 29.2/24

Right Out: -22.468 ± 6.559 χ^2/NDF : 66.1/36

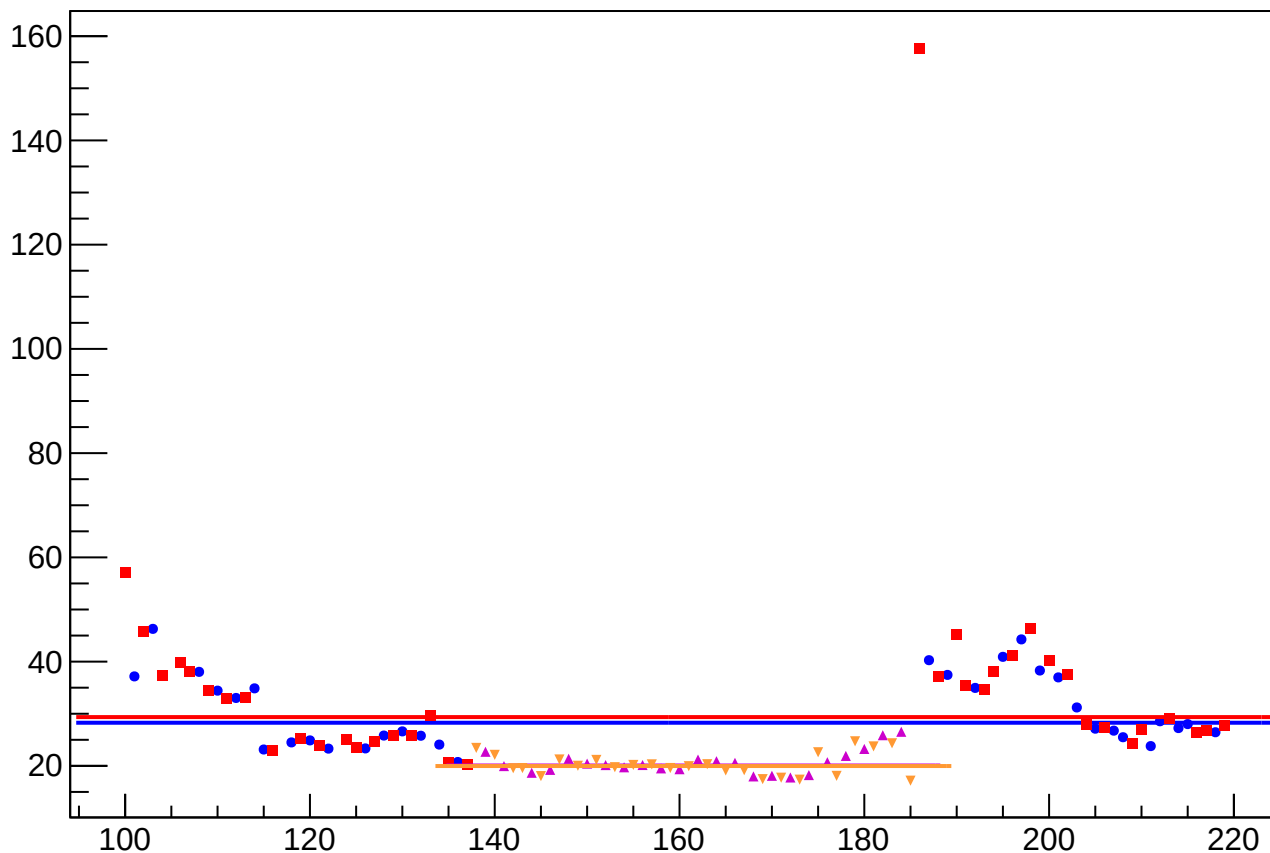
Left In: 8.600 ± 4.724 χ^2/NDF : 19.4/22

+ sign -0.105 ± 3.734 χ^2/NDF : 56.5/56

All: -1.033 ± 2.675 χ^2/NDF : 156.9/116

- sign -2.011 ± 3.833 χ^2/NDF : 100.2/59

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.276+/-0.005 χ^2/NDF : 1624447.2/31

Left Out: 19.969+/-0.003 χ^2/NDF : 386763.9/24

Right Out: 29.358+/-0.005 χ^2/NDF : 2387794.6/36

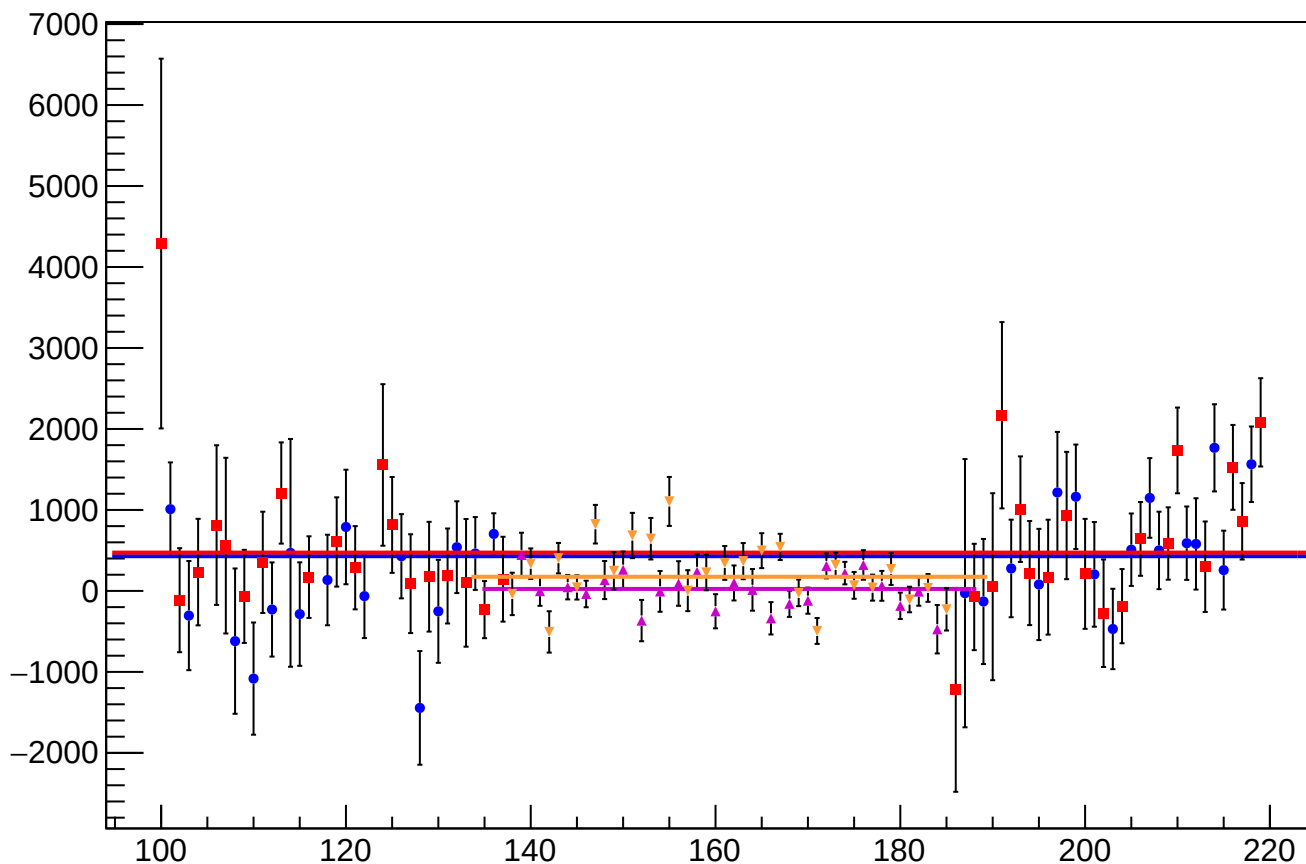
Left In: 20.072+/-0.003 χ^2/NDF : 301705.2/22

+ sign 22.740+/-0.003 χ^2/NDF : 4212052.0/56

All: 22.985+/-0.002 χ^2/NDF : 9559144.8/116

- sign 23.244+/-0.003 χ^2/NDF : 5329351.5/59

asym_sam_1357_2468_dd_cor_correction_mean vs Slug



Right In: 428.636 $\pm$ 96.977 χ^2 /NDF: 43.1/31

Left Out: 174.691 $\pm$ 39.049 χ^2 /NDF: 71.2/24

Right Out: 473.565 $\pm$ 99.494 χ^2 /NDF: 42.8/36

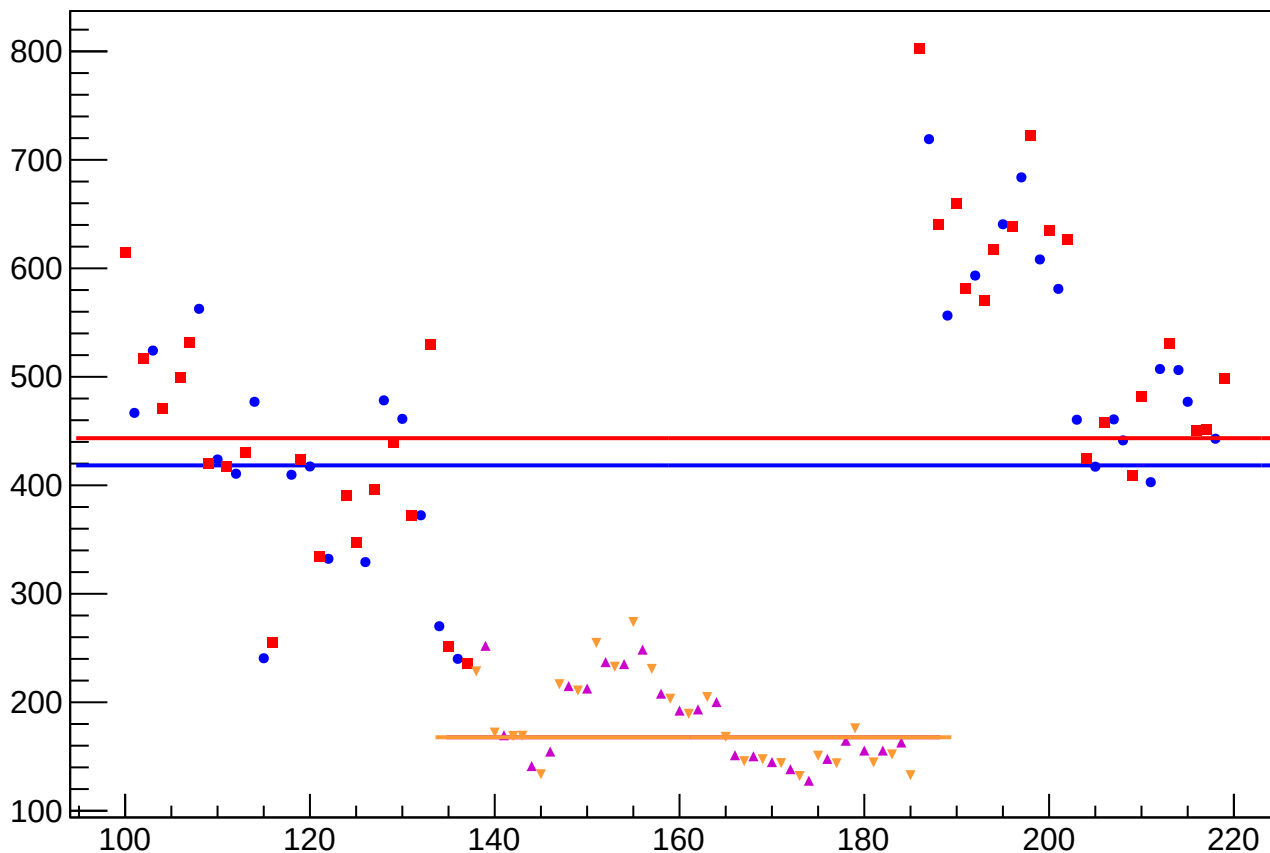
Left In: 24.590 $\pm$ 40.070 χ^2 /NDF: 26.9/22

+ sign 210.120 $\pm$ 36.223 χ^2 /NDF: 120.3/56

All: 150.269 $\pm$ 25.941 χ^2 /NDF: 213.0/116

- sign 87.251 $\pm$ 37.169 χ^2 /NDF: 87.2/59

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 418.357 $\pm$ 0.069 χ^2 /NDF: 2852393.4/31

Left Out: 167.754 $\pm$ 0.028 χ^2 /NDF:1578231.3/24

Right Out: 443.444 $\pm$ 0.070 χ^2 /NDF: 2946966.7/36

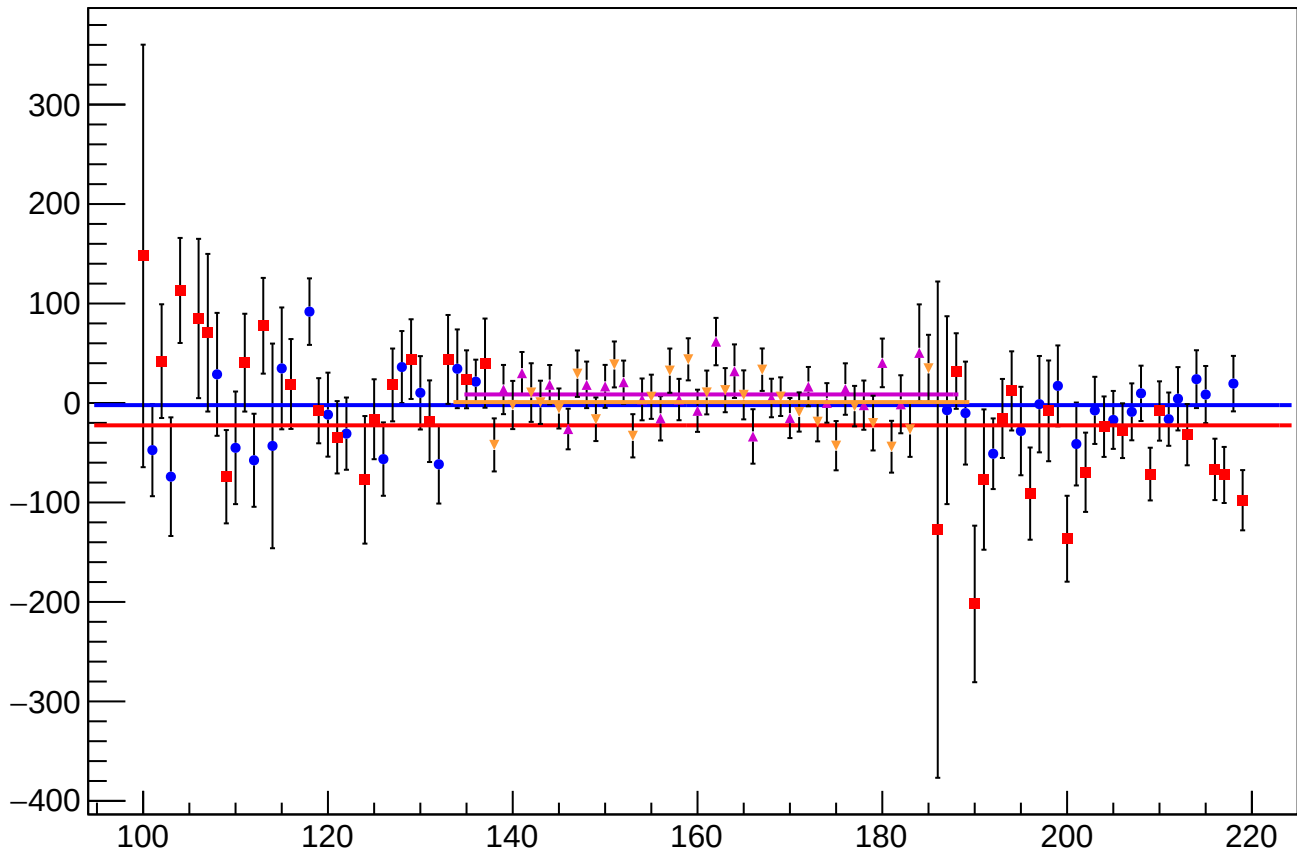
Left In: 167.748 $\pm$ 0.028 χ^2 /NDF:1403120.1/22

+ sign 202.717 $\pm$ 0.026 χ^2 /NDF: 15922881.7/56

All: 204.426 $\pm$ 0.018 χ^2 /NDF: 33495590.7/1

- sign 206.225 $\pm$ 0.026 χ^2 /NDF: 17563572.3/59

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -2.143 ± 6.464 χ^2/NDF : 27.1/31

Left Out: 0.915 ± 4.574 χ^2/NDF : 29.2/24

Right Out: -22.468 ± 6.559 χ^2/NDF : 66.1/36

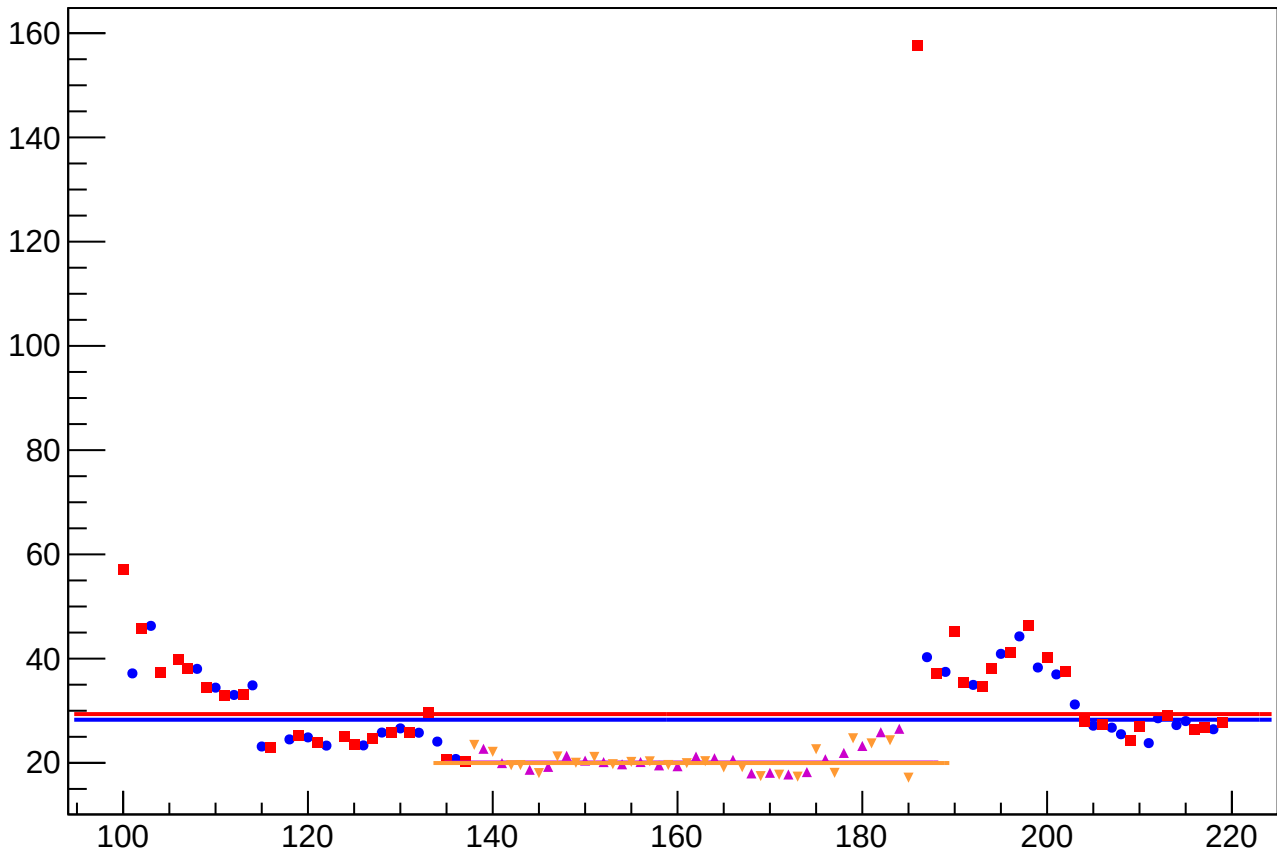
Left In: 8.600 ± 4.724 χ^2/NDF : 19.4/22

+ sign -0.105 ± 3.734 χ^2/NDF : 56.5/56

All: -1.033 ± 2.675 χ^2/NDF : 156.9/116

- sign -2.011 ± 3.833 χ^2/NDF : 100.2/59

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.276 $\pm$ 0.005 χ^2/NDF : 1624447.2/31

Left Out: 19.969 $\pm$ 0.003 χ^2/NDF : 386763.9/24

Right Out: 29.358 $\pm$ 0.005 χ^2/NDF : 2387794.6/36

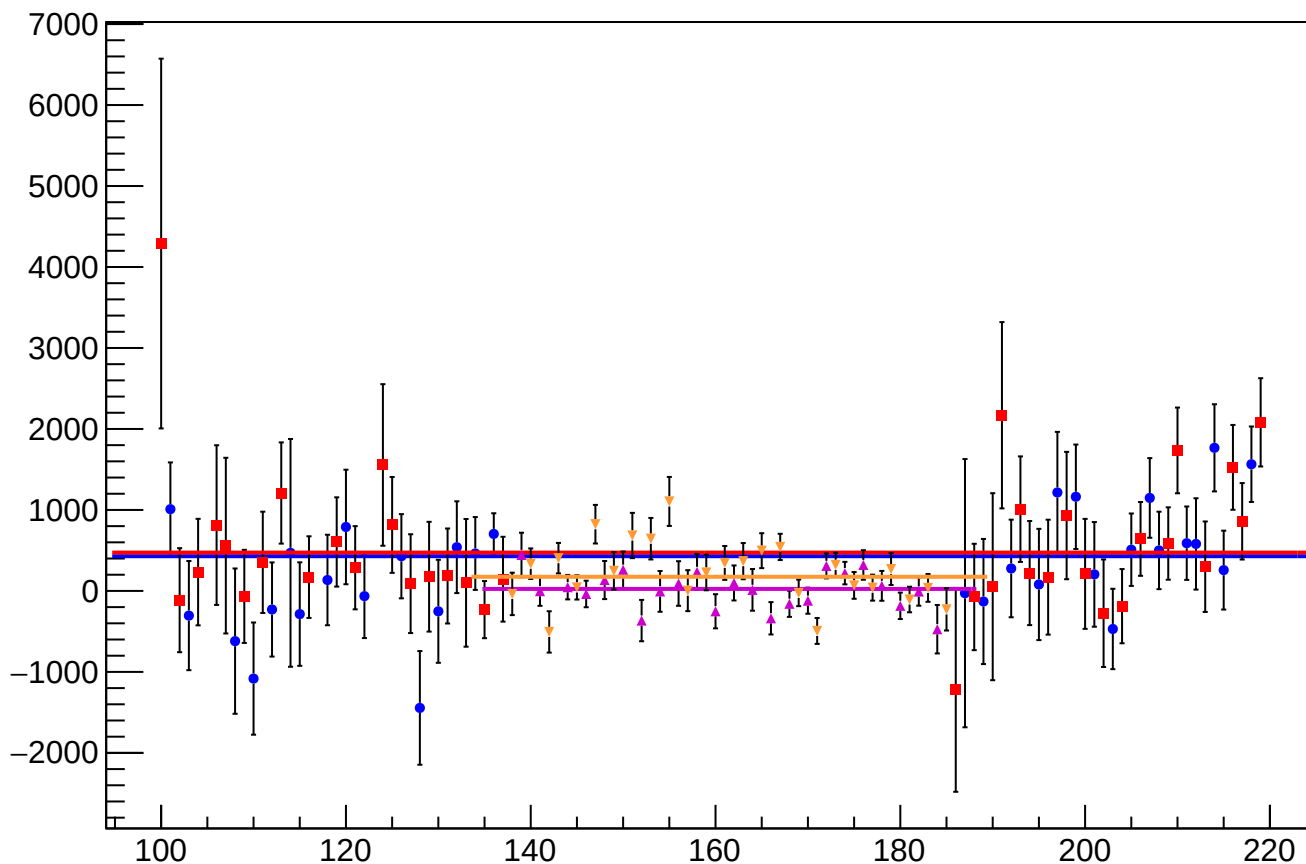
Left In: 20.072 $\pm$ 0.003 χ^2/NDF : 301705.2/22

+ sign 22.740 $\pm$ 0.003 χ^2/NDF : 4212052.0/56

All: 22.985 $\pm$ 0.002 χ^2/NDF : 9559144.8/116

- sign 23.244 $\pm$ 0.003 χ^2/NDF : 5329351.5/59

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug



Right In: 428.636 ± 96.977 χ^2/NDF : 43.1/31

Left Out: 174.691 ± 39.049 χ^2/NDF : 71.2/24

Right Out: 473.565 ± 99.494 χ^2/NDF : 42.8/36

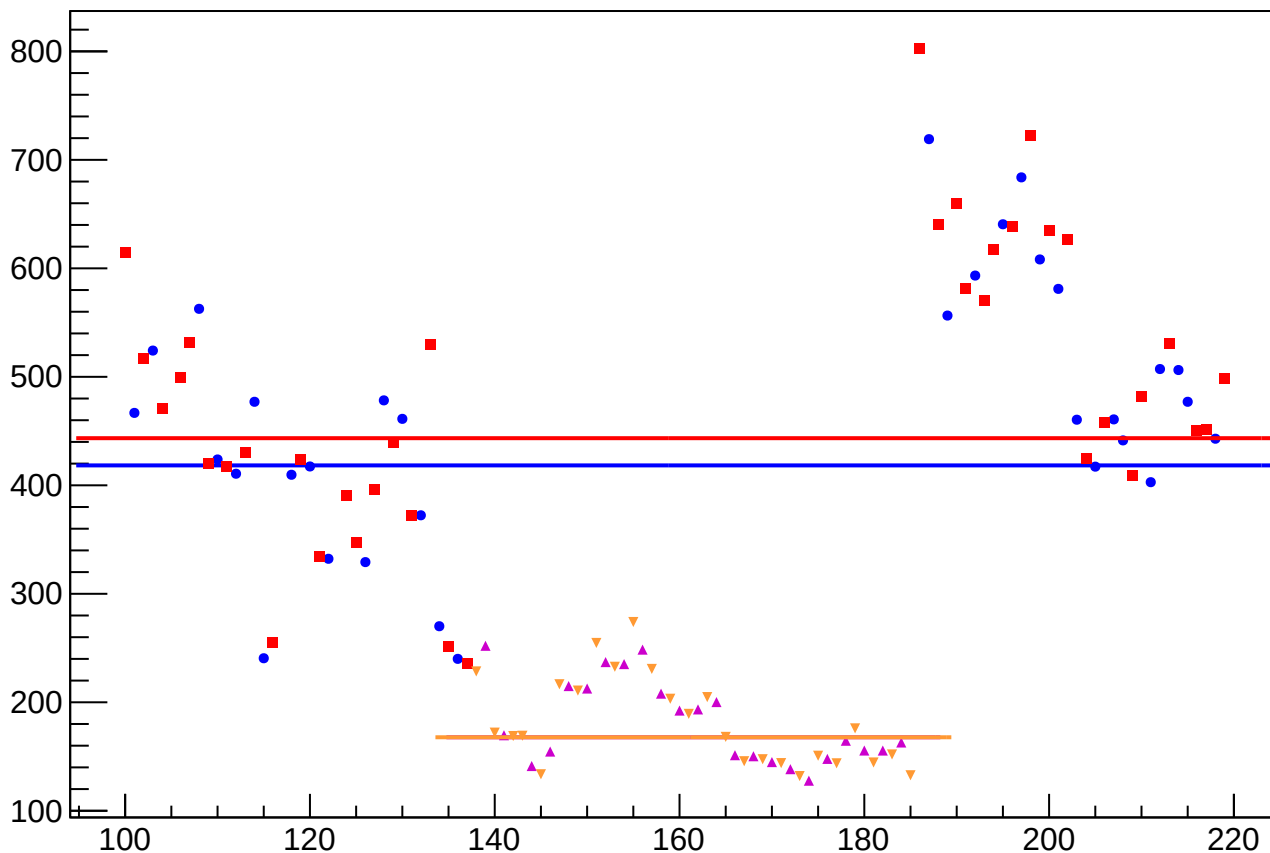
Left In: 24.590 ± 40.070 χ^2/NDF : 26.9/22

+ sign 210.120 ± 36.223 χ^2/NDF : 120.3/56

All: 150.269 ± 25.941 χ^2/NDF : 213.0/116

- sign 87.251 ± 37.169 χ^2/NDF : 87.2/59

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug



Right In: 418.357+/-0.069 χ^2/NDF : 2852393.4/31

Left Out: 167.754+/-0.028 χ^2/NDF : 1578231.3/24

Right Out: 443.444+/-0.070 χ^2/NDF : 2946966.7/36

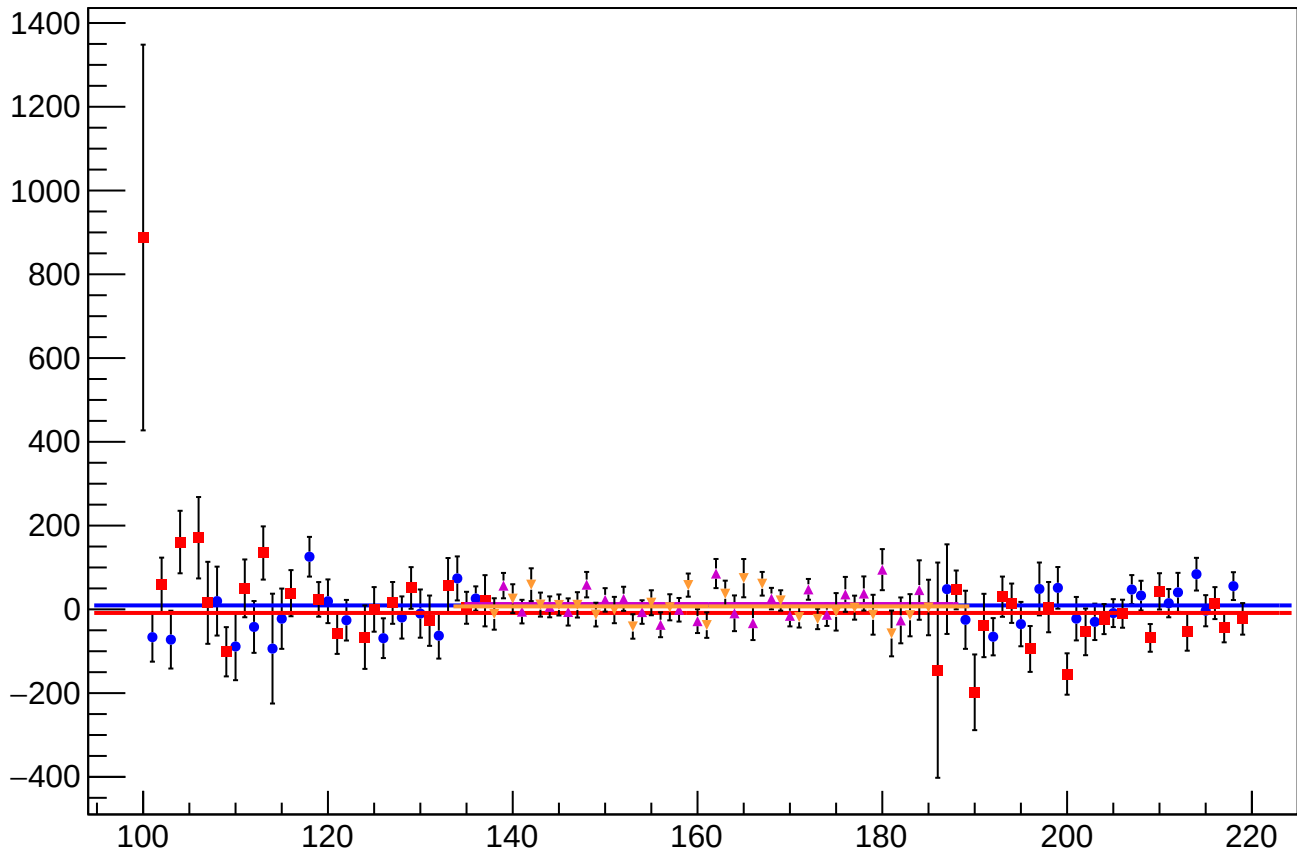
Left In: 167.748+/-0.028 χ^2/NDF : 1403120.1/22

+ sign 202.717+/-0.026 χ^2/NDF : 15922881.7/56

All: 204.426+/-0.018 χ^2/NDF : 33495590.7/11

- sign 206.225+/-0.026 χ^2/NDF : 17563572.3/59

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 9.399 $\pm$ 8.318 χ^2/NDF : 33.7/31

Left Out: 7.079 $\pm$ 6.333 χ^2/NDF : 22.7/24

Right Out: -8.579 $\pm$ 8.357 χ^2/NDF : 54.2/36

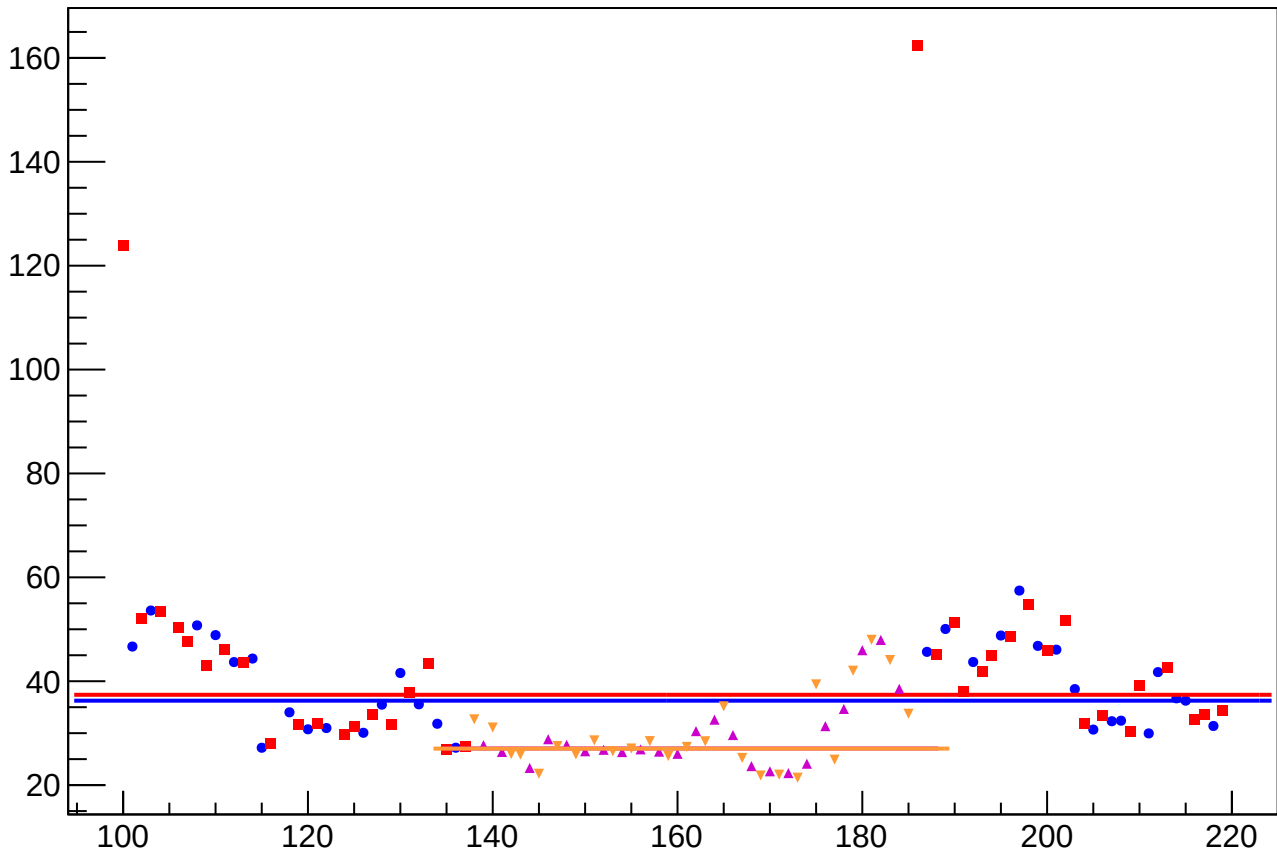
Left In: 12.697 $\pm$ 6.513 χ^2/NDF : 25.6/22

+ sign 7.930 $\pm$ 5.039 χ^2/NDF : 56.5/56

All: 6.325 $\pm$ 3.597 χ^2/NDF : 140.5/116

- sign 4.656 $\pm$ 5.137 χ^2/NDF : 83.8/59

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.254 $\pm$ 0.006 χ^2 /NDF: 1582427.3/31

Left Out: 27.026 $\pm$ 0.004 χ^2 /NDF: 1430523.7/24

Right Out: 37.387 $\pm$ 0.006 χ^2 /NDF: 2175270.0/36

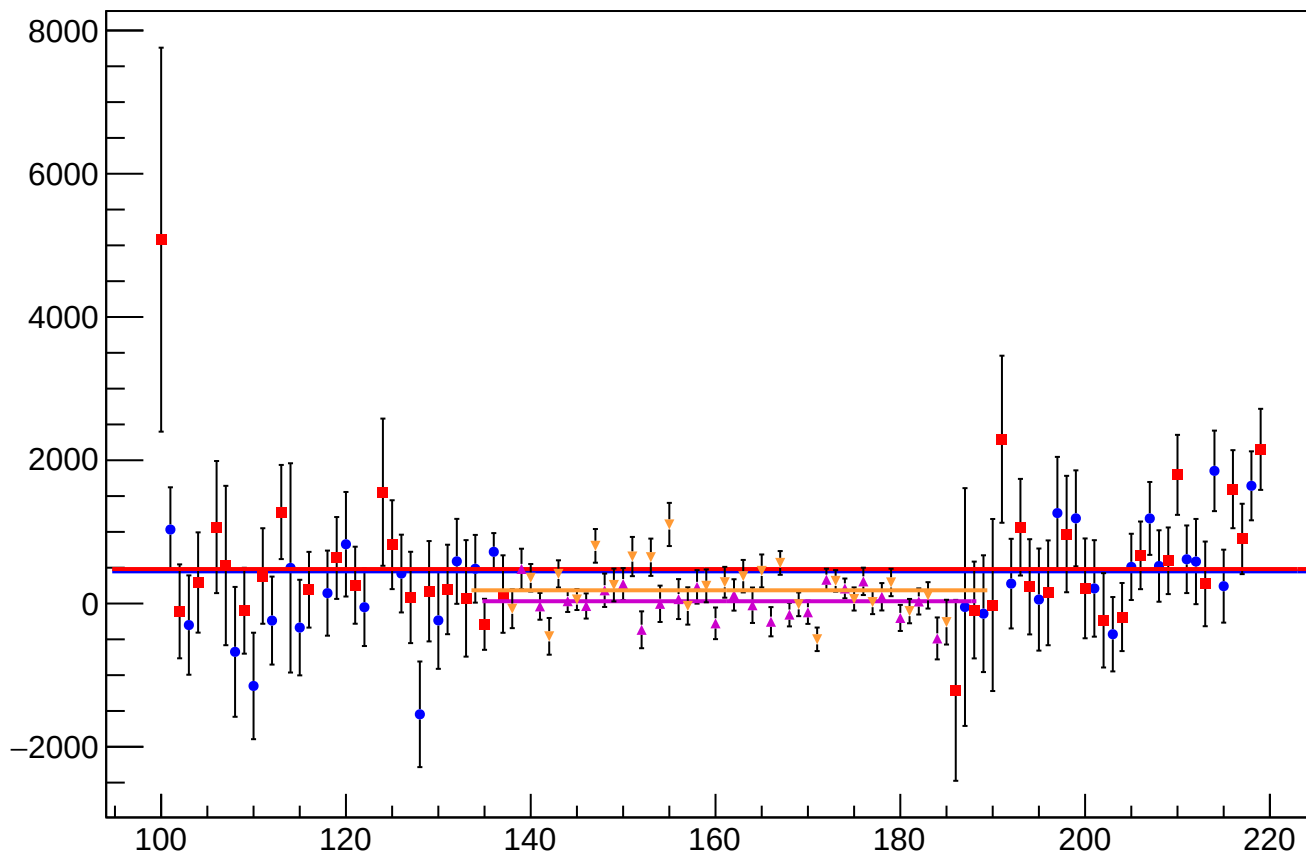
Left In: 27.052 $\pm$ 0.005 χ^2 /NDF: 1044359.4/22

+ sign 30.413 $\pm$ 0.004 χ^2 /NDF: 4571130.1/56

All: 30.680 $\pm$ 0.003 χ^2 /NDF: 9705252.3/116

- sign 30.958 $\pm$ 0.004 χ^2 /NDF: 5122642.0/59

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 449.039 $\pm$ 100.918 χ^2 /NDF: 43.0/31

Left Out: 184.675 $\pm$ 39.832 χ^2 /NDF: 67.7/24

Right Out: 481.453 $\pm$ 103.108 χ^2 /NDF: 44.2/36

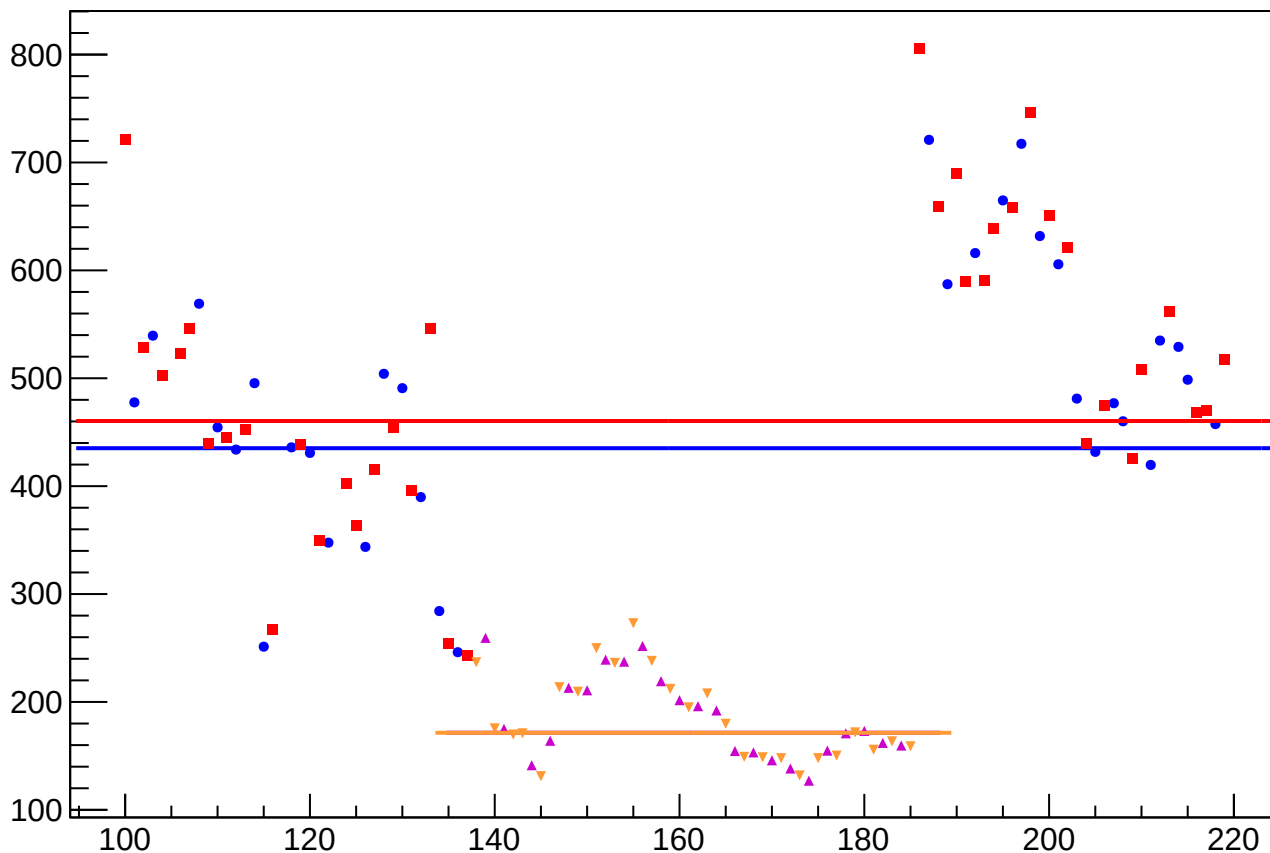
Left In: 31.891 $\pm$ 40.975 χ^2 /NDF: 26.4/22

+ sign 220.308 $\pm$ 37.050 χ^2 /NDF: 116.6/56

All: 158.495 $\pm$ 26.555 χ^2 /NDF: 209.3/116

- sign 93.205 $\pm$ 38.078 χ^2 /NDF: 87.0/59

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 435.182 $\pm$ 0.071 χ^2/NDF : 2903364.5/31

Left Out: 171.427 $\pm$ 0.028 χ^2/NDF :1526852.0/24

Right Out: 460.391 $\pm$ 0.073 χ^2/NDF : 2942486.9/36

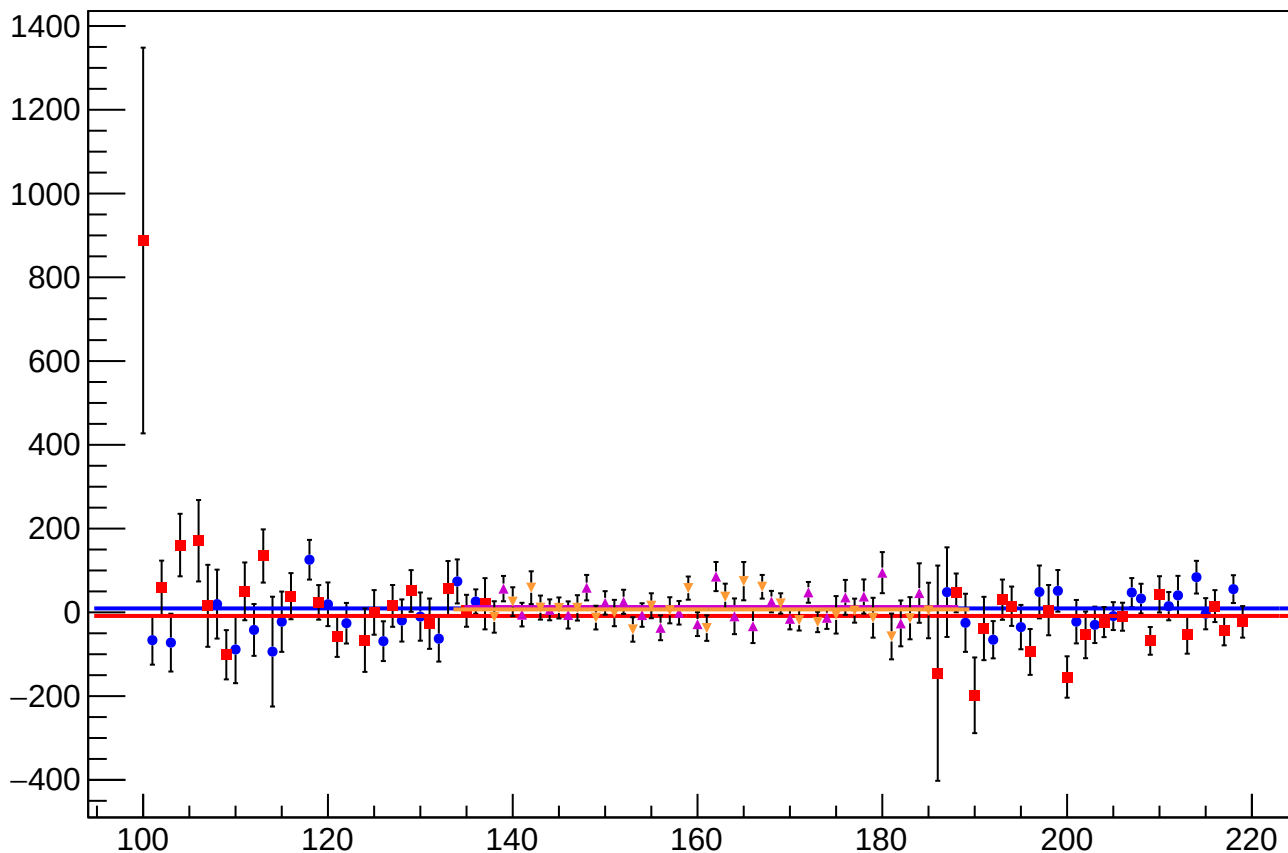
Left In: 171.490 $\pm$ 0.029 χ^2/NDF :1415769.4/22

+ sign 206.978 $\pm$ 0.026 χ^2/NDF : 16250355.1/56

All: 208.881 $\pm$ 0.019 χ^2/NDF : 34179538.2/11

- sign 210.892 $\pm$ 0.027 χ^2/NDF : 17918328.7/59

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 9.397 ± 8.318 χ^2/NDF : 33.7/31

Left Out: 7.079 ± 6.333 χ^2/NDF : 22.7/24

Right Out: -8.580 ± 8.357 χ^2/NDF : 54.2/36

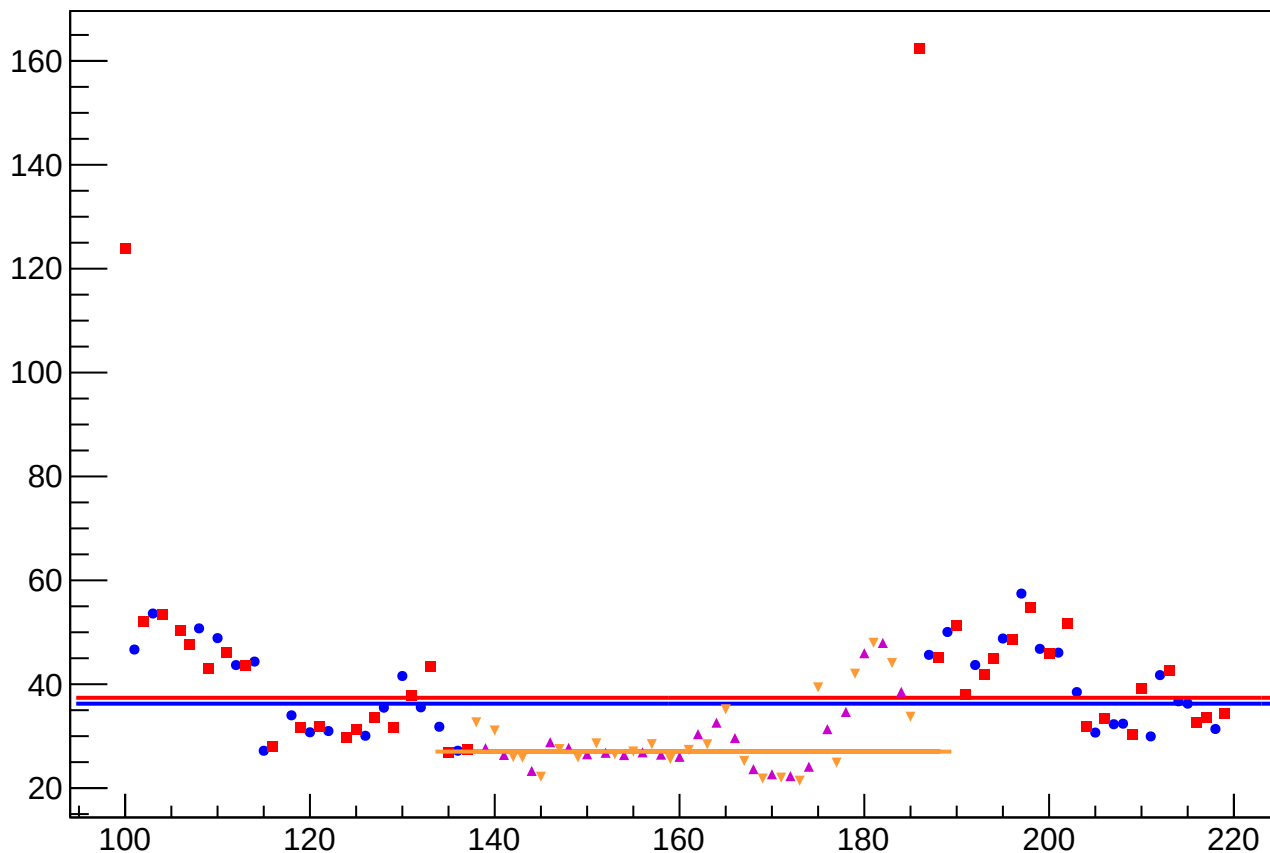
Left In: 12.697 ± 6.513 χ^2/NDF : 25.6/22

+ sign 7.930 ± 5.039 χ^2/NDF : 56.5/56

All: 6.325 ± 3.597 χ^2/NDF : 140.5/116

- sign 4.656 ± 5.137 χ^2/NDF : 83.8/59

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.254 $\pm$ 0.006 χ^2 /NDF: 1582404.7/31

Left Out: 27.026 $\pm$ 0.004 χ^2 /NDF: 1430534.9/24

Right Out: 37.387 $\pm$ 0.006 χ^2 /NDF: 2175244.0/36

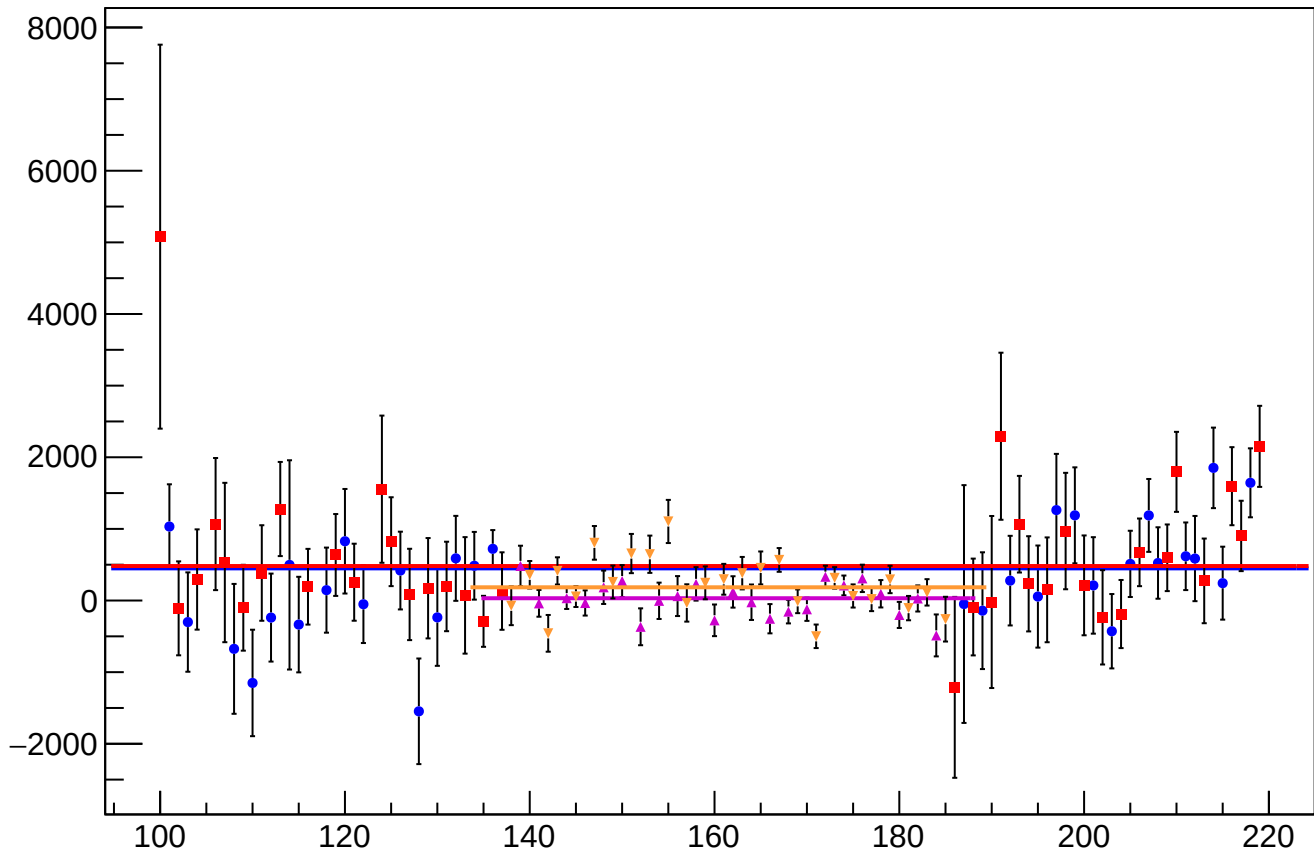
Left In: 27.052 $\pm$ 0.005 χ^2 /NDF: 1044338.2/22

+ sign 30.413 $\pm$ 0.004 χ^2 /NDF: 4571020.0/56

All: 30.680 $\pm$ 0.003 χ^2 /NDF: 9705033.7/116

- sign 30.958 $\pm$ 0.004 χ^2 /NDF: 5122533.2/59

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 449.037 ± 100.917 χ^2/NDF : 43.0/31

Left Out: 184.674 ± 39.832 χ^2/NDF : 67.7/24

Right Out: 481.452 ± 103.108 χ^2/NDF : 44.2/36

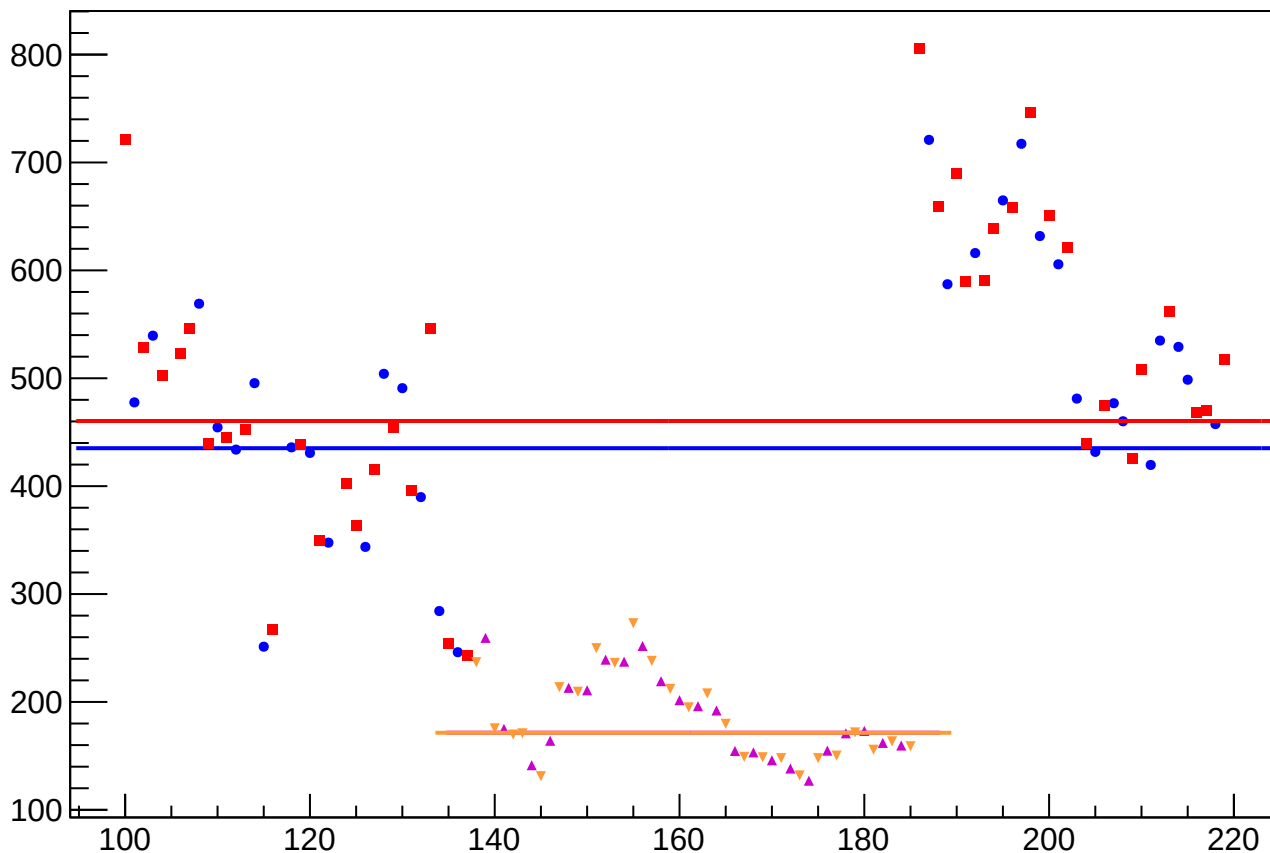
Left In: 31.891 ± 40.975 χ^2/NDF : 26.4/22

+ sign 220.307 ± 37.050 χ^2/NDF : 116.6/56

All: 158.495 ± 26.554 χ^2/NDF : 209.3/116

- sign 93.205 ± 38.078 χ^2/NDF : 87.0/59

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug



Right In: 435.182+/-0.071 χ^2/NDF : 2903373.1/31

Left Out: 171.426+/-0.028 χ^2/NDF : 1526868.9/24

Right Out: 460.390+/-0.073 χ^2/NDF : 2942497.3/36

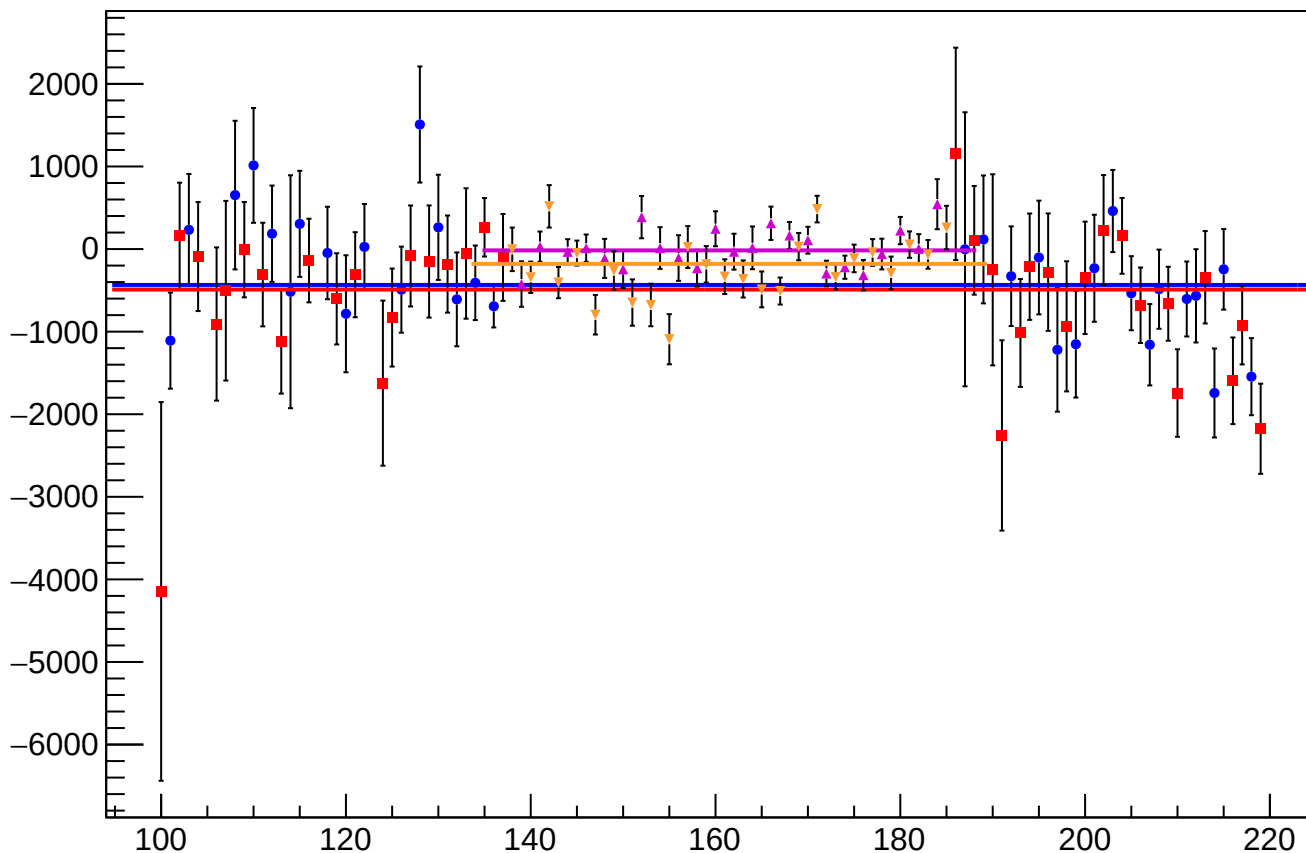
Left In: 171.489+/-0.029 χ^2/NDF : 1415782.1/22

+ sign 206.977+/-0.026 χ^2/NDF : 16250407.3/56

All: 208.881+/-0.019 χ^2/NDF : 34179657.6/11

- sign 210.891+/-0.027 χ^2/NDF : 17918396.6/59

asym_sam_1357_2468_dd_mean vs Slug



Right In: -434.298 $\pm$ 97.247 χ^2/NDF : 42.7/31

Left Out: -179.656 $\pm$ 39.364 χ^2/NDF : 67.1/24

Right Out: -490.062 $\pm$ 99.682 χ^2/NDF : 44.6/36

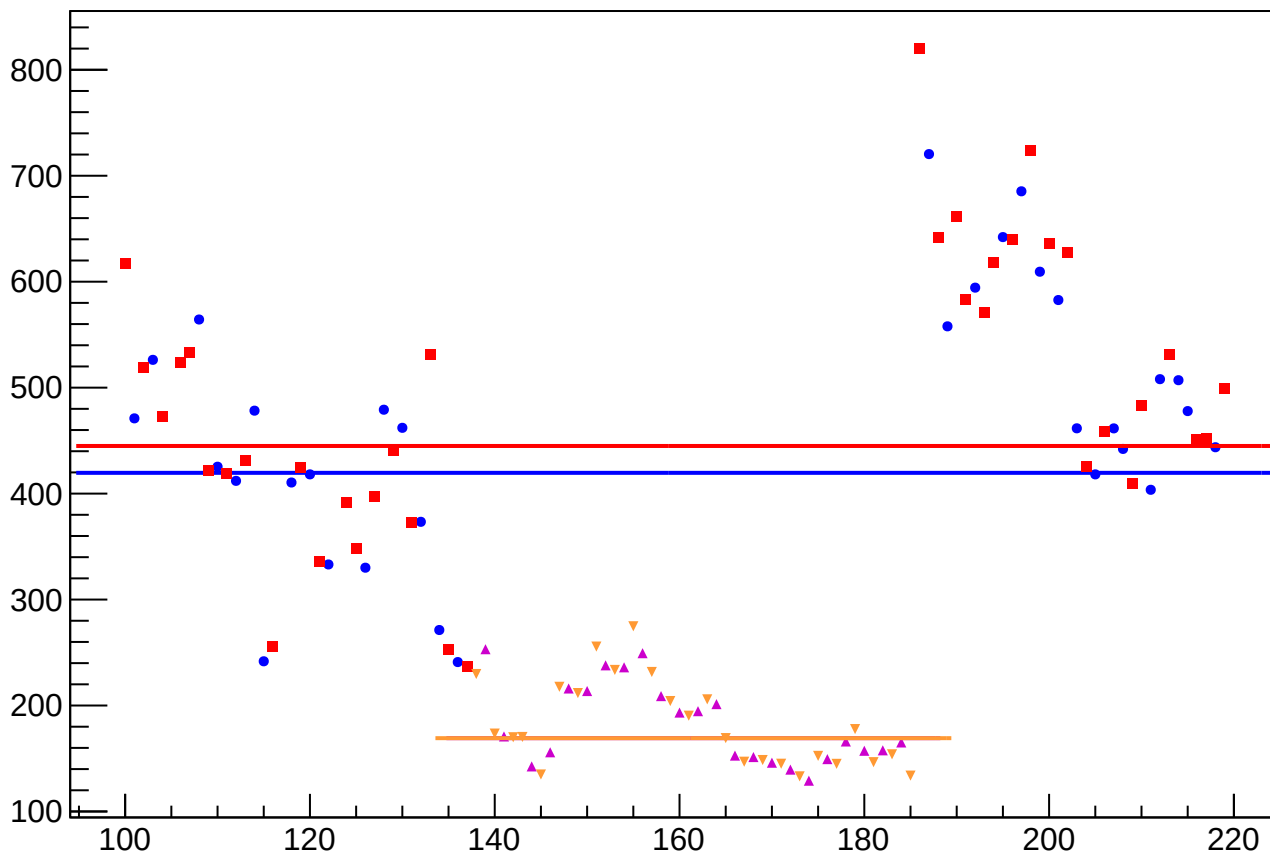
Left In: -16.057 $\pm$ 40.396 χ^2/NDF : 26.6/22

+ sign -215.504 $\pm$ 36.488 χ^2/NDF : 115.7/56

All: -150.918 $\pm$ 26.130 χ^2/NDF : 212.8/116

- sign -82.920 $\pm$ 37.439 χ^2/NDF : 90.7/59

asym_sam_1357_2468_dd_rms vs Slug



Right In: 419.604 $\pm$ 0.069 χ^2 /NDF: 2840610.4/31

Left Out: 169.182 $\pm$ 0.028 χ^2 /NDF: 1547748.9/24

Right Out: 444.953 $\pm$ 0.070 χ^2 /NDF: 2953028.6/36

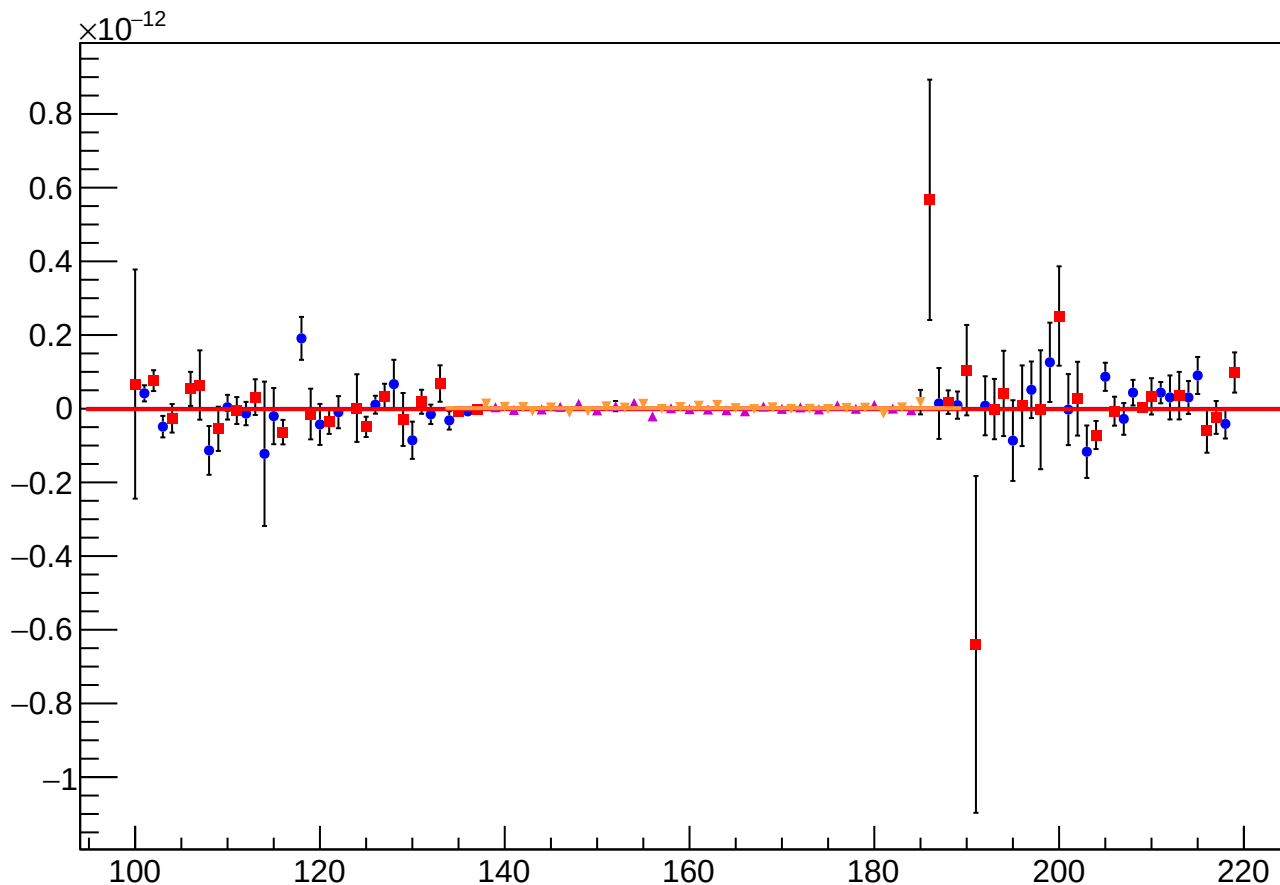
Left In: 169.187 $\pm$ 0.029 χ^2 /NDF: 1374439.5/22

+ sign 204.436 $\pm$ 0.026 χ^2 /NDF: 15783763.0/56

All: 206.214 $\pm$ 0.018 χ^2 /NDF: 33268289.7/11

- sign 208.087 $\pm$ 0.026 χ^2 /NDF: 17474774.5/59

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 48.0/31

Left Out: 0.000+/-0.000 χ^2 /NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 42.3/36

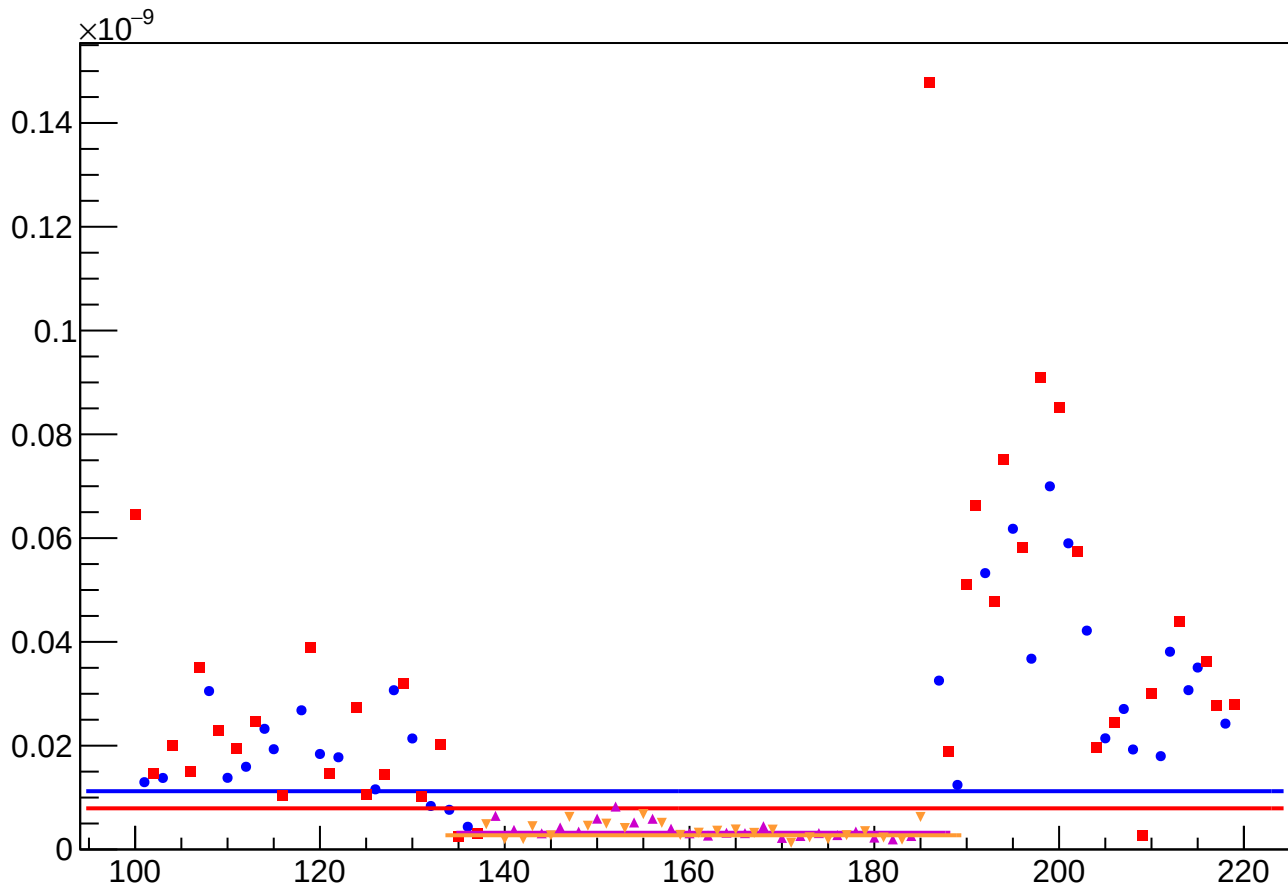
Left In: 0.000+/-0.000 χ^2 /NDF:19.7/22

+ sign 0.000+/-0.000 χ^2 /NDF: 67.0/56

All: 0.000+/-0.000 χ^2 /NDF: 129.3/116

- sign 0.000+/-0.000 χ^2 /NDF: 62.3/59

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 7434985.9/31

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1923193.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 10967878.4/36

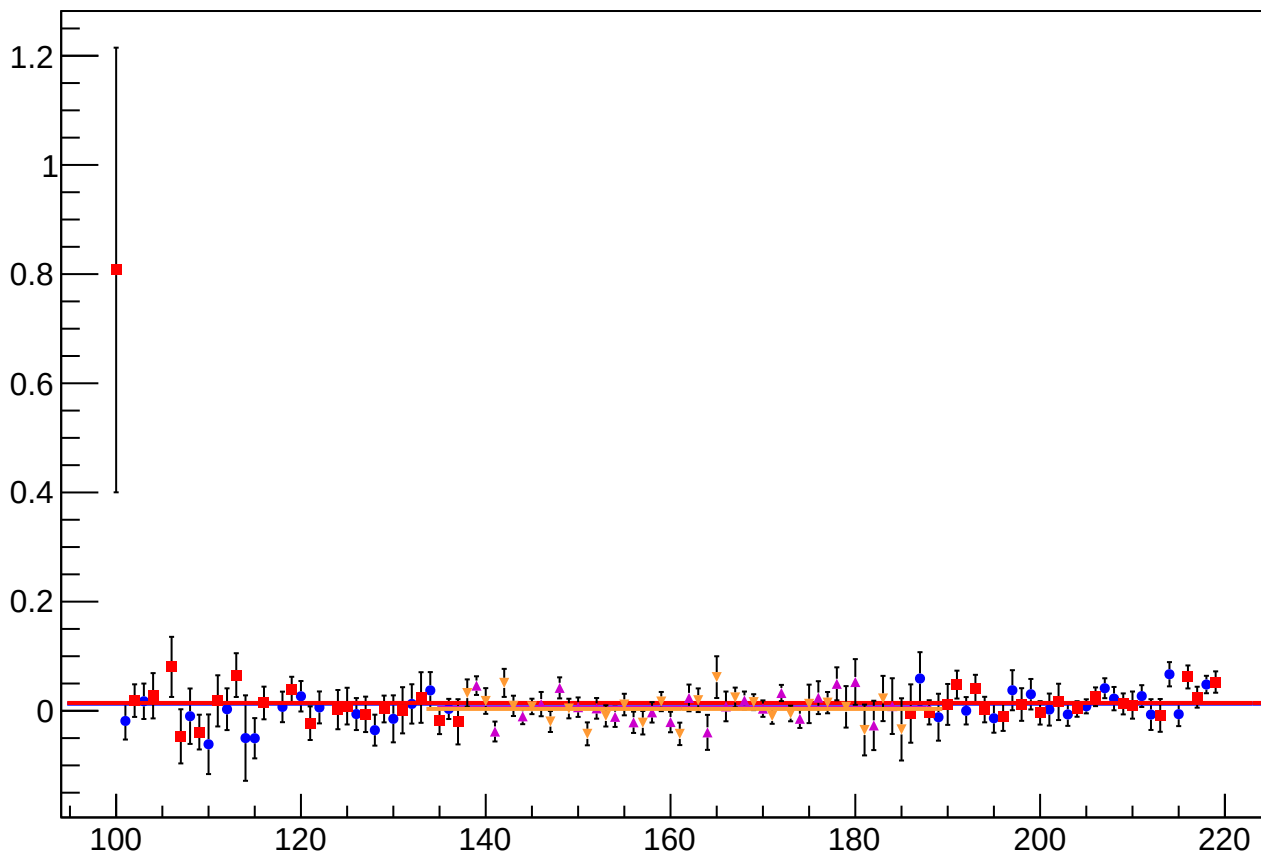
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1355602.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 14519594.3/56

All: 0.000 $\pm$ 0.000 χ^2/NDF : 28990500.3/116

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 14331196.9/59

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 ± 0.005 $\chi^2/\text{NDF}: 31.1/31$

Left Out: 0.003 ± 0.004 $\chi^2/\text{NDF}: 26.9/24$

Right Out: 0.014 ± 0.004 $\chi^2/\text{NDF}: 33.8/36$

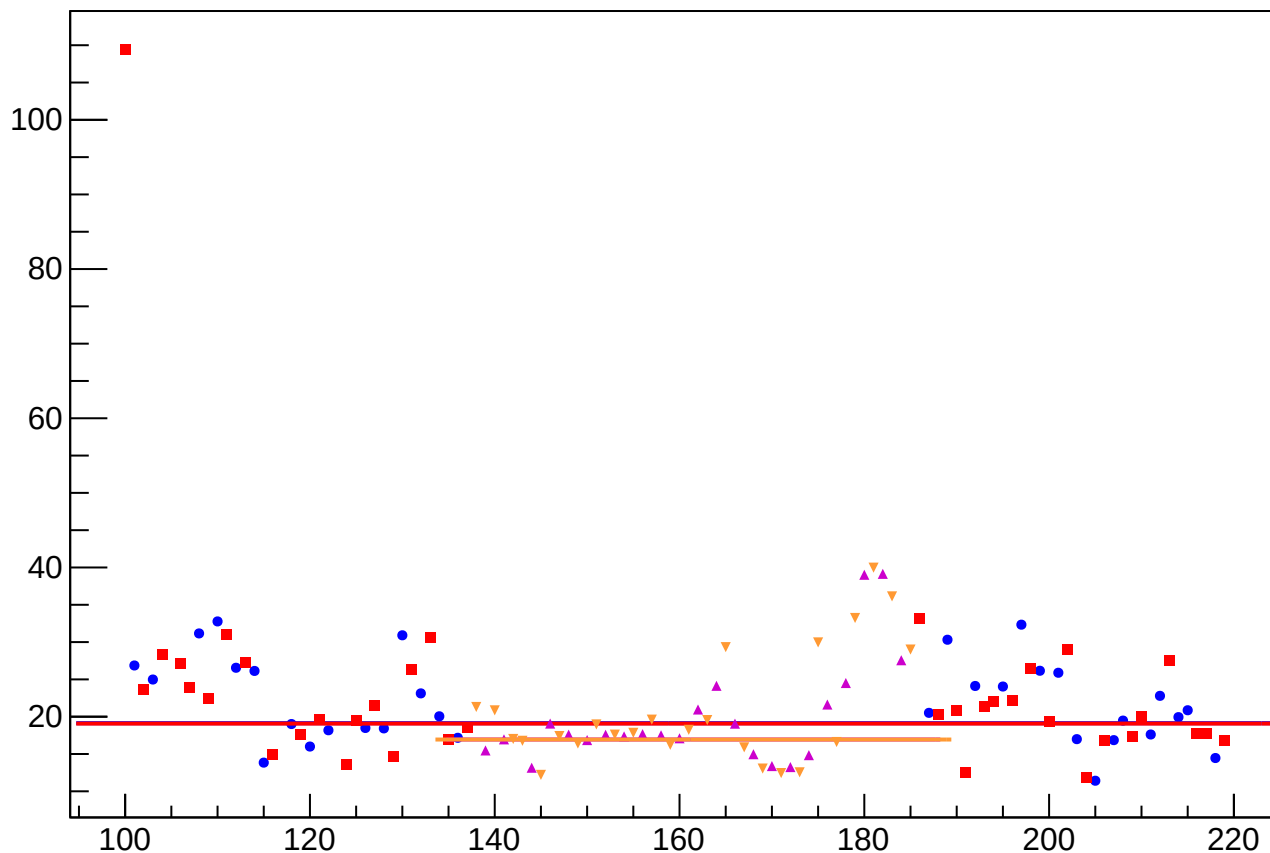
Left In: 0.005 ± 0.004 $\chi^2/\text{NDF}: 33.2/22$

+ sign 0.008 ± 0.003 $\chi^2/\text{NDF}: 60.5/56$

All: 0.009 ± 0.002 $\chi^2/\text{NDF}: 129.9/116$

- sign 0.010 ± 0.003 $\chi^2/\text{NDF}: 69.2/59$

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.132 $\pm$ 0.003 χ^2 /NDF: 2541740.3/31

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836877.8/24

Right Out: 19.076 $\pm$ 0.003 χ^2 /NDF: 2338013.6/36

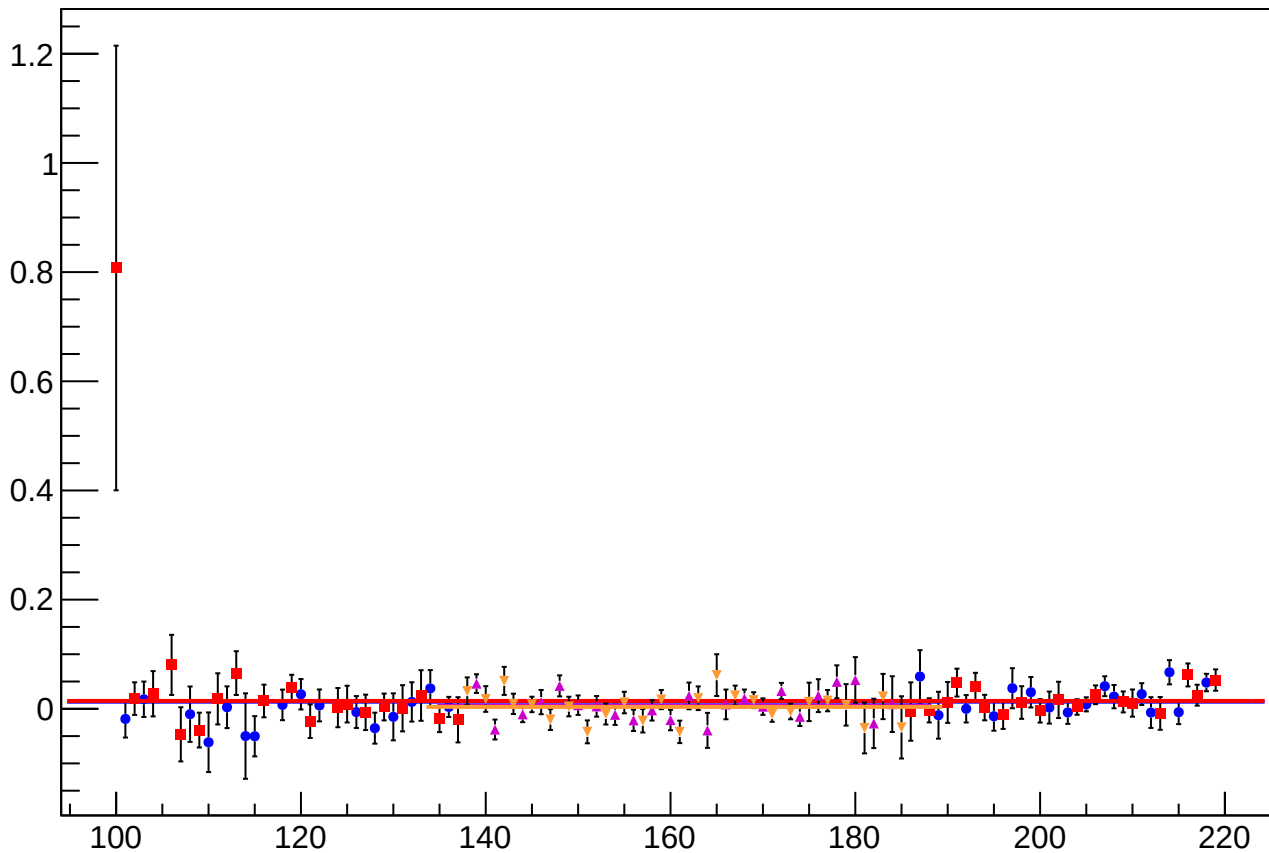
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941845.2/22

+ sign 17.914 $\pm$ 0.002 χ^2 /NDF: 5634140.2/56

All: 17.933 $\pm$ 0.002 χ^2 /NDF: 10159488.8/116

- sign 17.953 $\pm$ 0.002 χ^2 /NDF: 4525183.4/59

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 ± 0.005 χ^2/NDF : 31.1/31

Left Out: 0.003 ± 0.004 χ^2/NDF : 26.9/24

Right Out: 0.014 ± 0.004 χ^2/NDF : 33.8/36

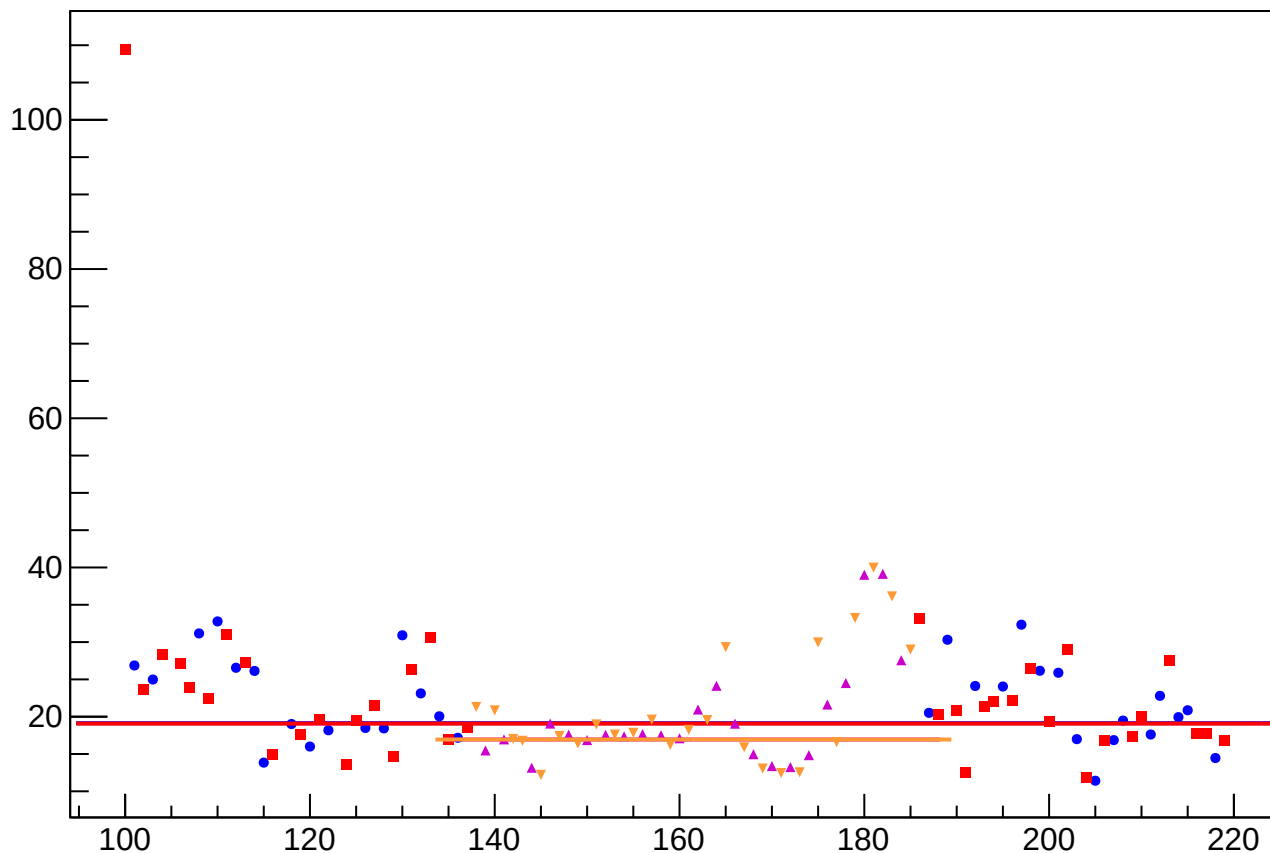
Left In: 0.005 ± 0.004 χ^2/NDF : 33.2/22

+ sign 0.008 ± 0.003 χ^2/NDF : 60.5/56

All: 0.009 ± 0.002 χ^2/NDF : 129.9/116

- sign 0.010 ± 0.003 χ^2/NDF : 69.2/59

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 19.132 $\pm$ 0.003 χ^2 /NDF: 2541740.3/31

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836877.8/24

Right Out: 19.076 $\pm$ 0.003 χ^2 /NDF: 2338013.6/36

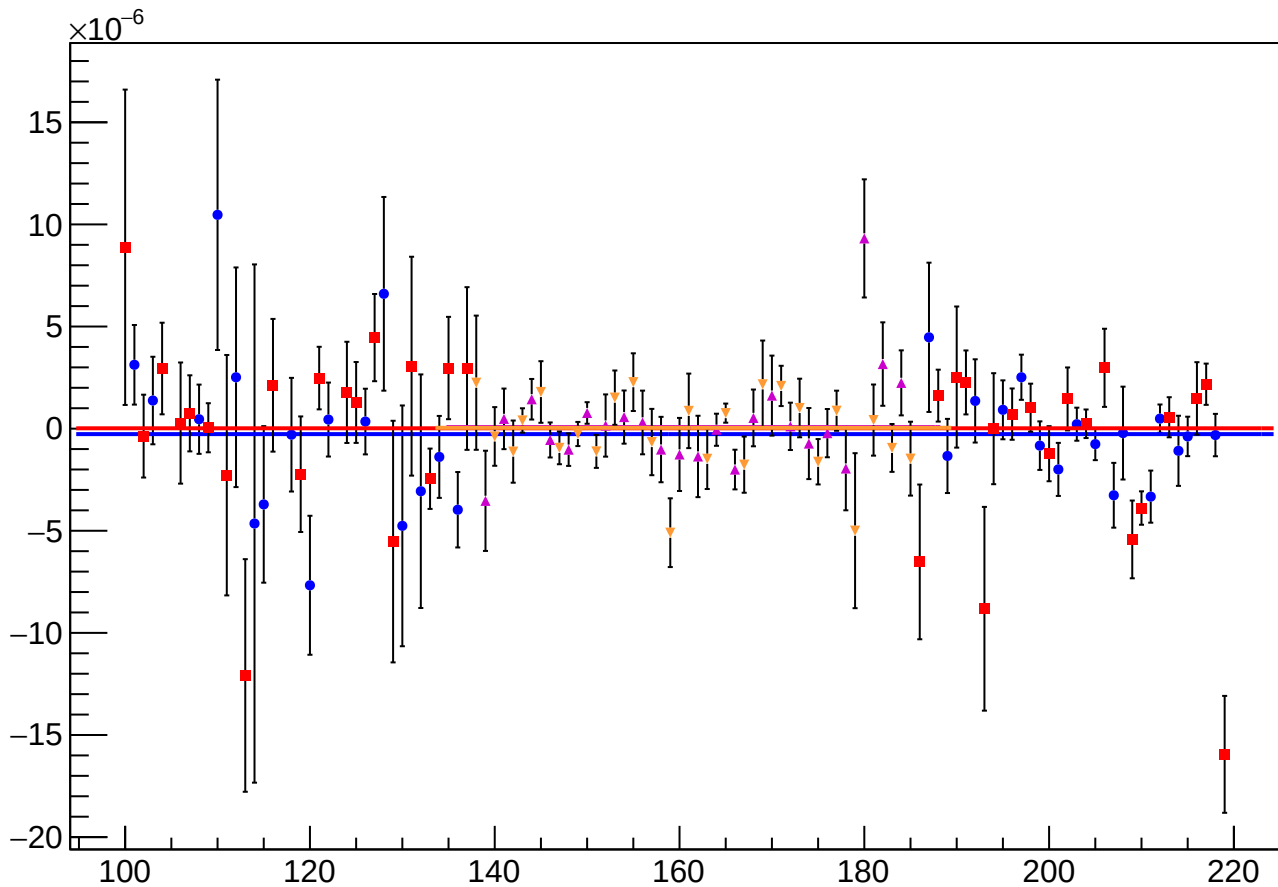
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941845.2/22

+ sign 17.914 $\pm$ 0.002 χ^2 /NDF: 5634140.2/56

All: 17.933 $\pm$ 0.002 χ^2 /NDF: 10159488.8/116

- sign 17.953 $\pm$ 0.002 χ^2 /NDF: 4525183.4/59

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 43.1/31$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 37.2/24$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 105.8/36$

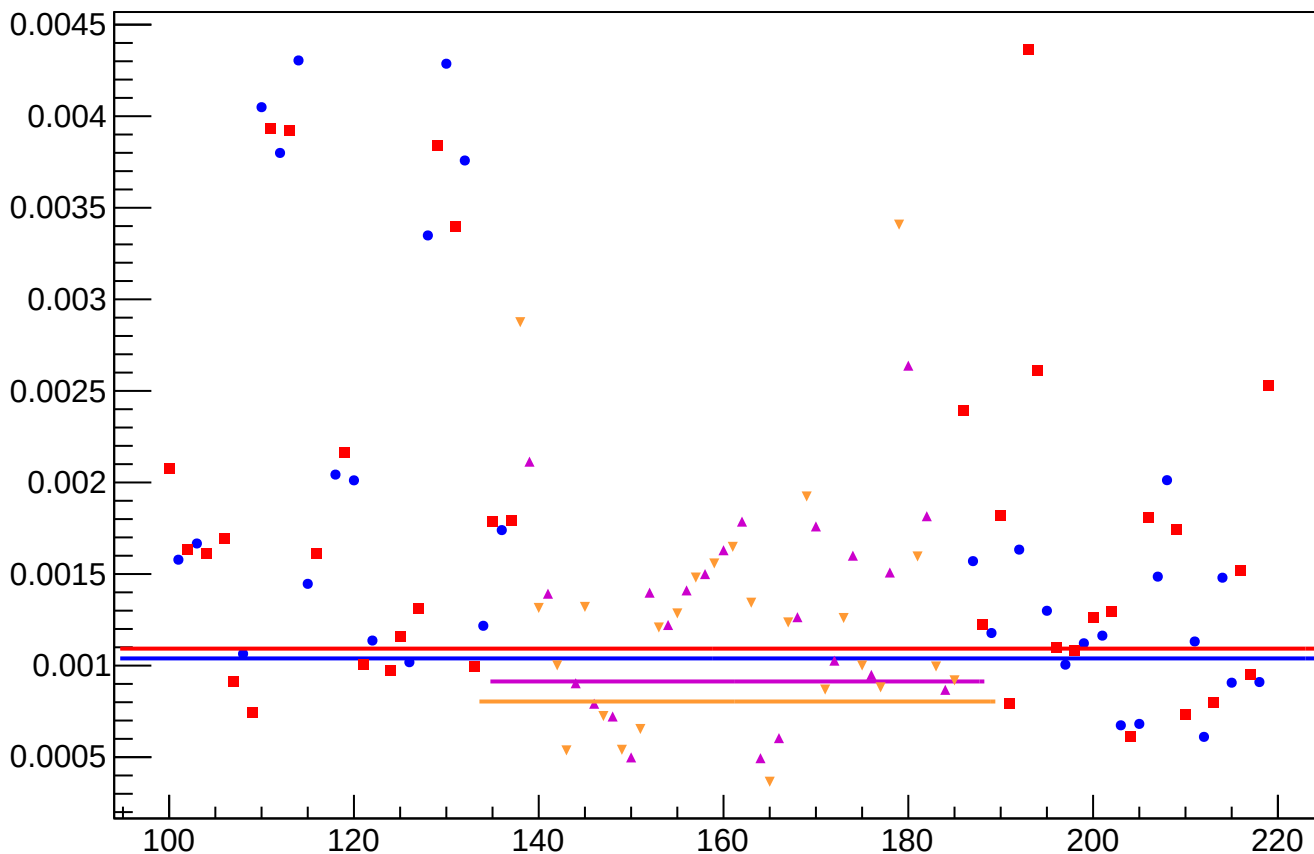
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 31.0/22$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 81.1/56$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 218.2/116$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 136.8/59$

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 6329259.6/31

Left Out: 0.001+/-0.000 χ^2/NDF :8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF : 7548081.4/36

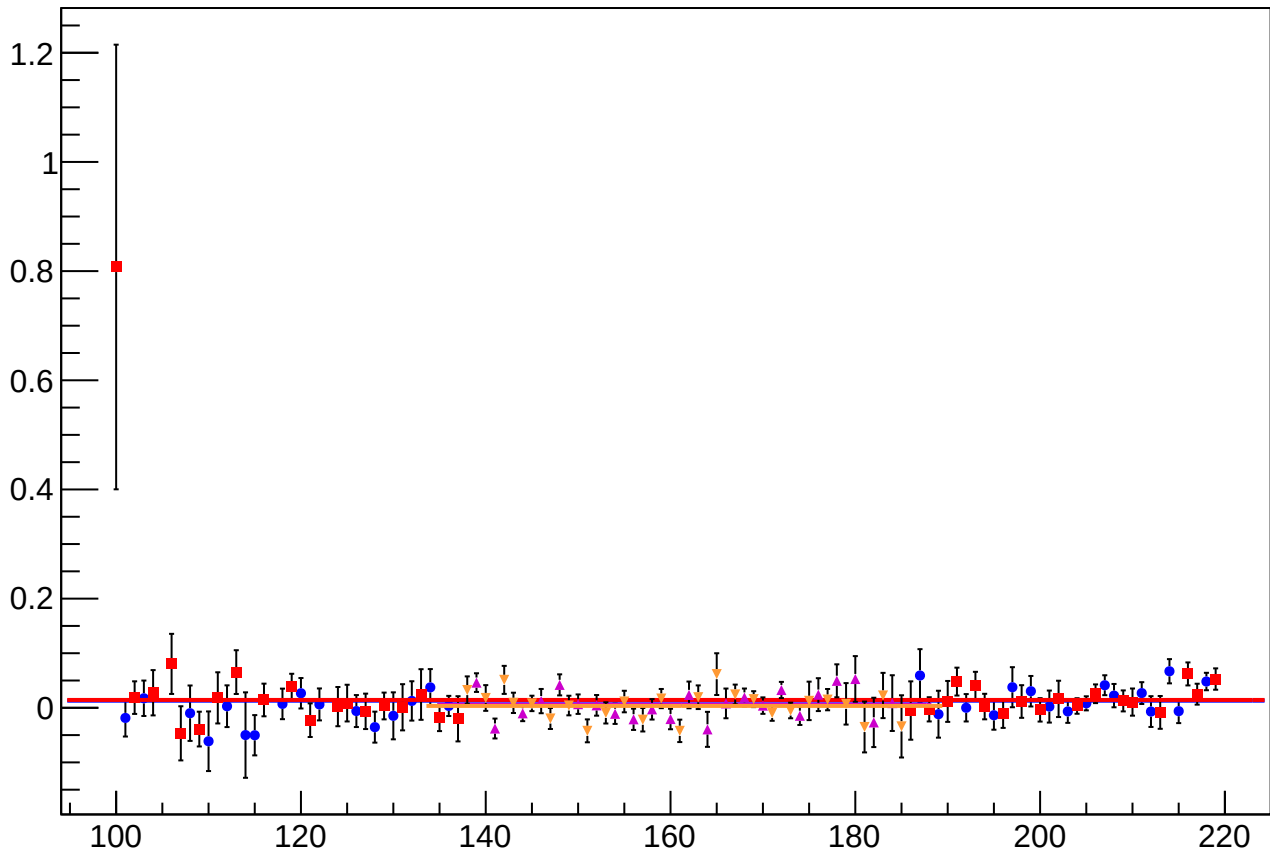
Left In: 0.001+/-0.000 χ^2/NDF :6446479.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 15573311.4/56

All: 0.001+/-0.000 χ^2/NDF : 30389031.0/116

- sign 0.001+/-0.000 χ^2/NDF : 14483502.3/59

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 $\pm$ 0.005 χ^2 /NDF: 31.1/31

Left Out: 0.003 $\pm$ 0.004 χ^2 /NDF: 26.9/24

Right Out: 0.014 $\pm$ 0.004 χ^2 /NDF: 33.8/36

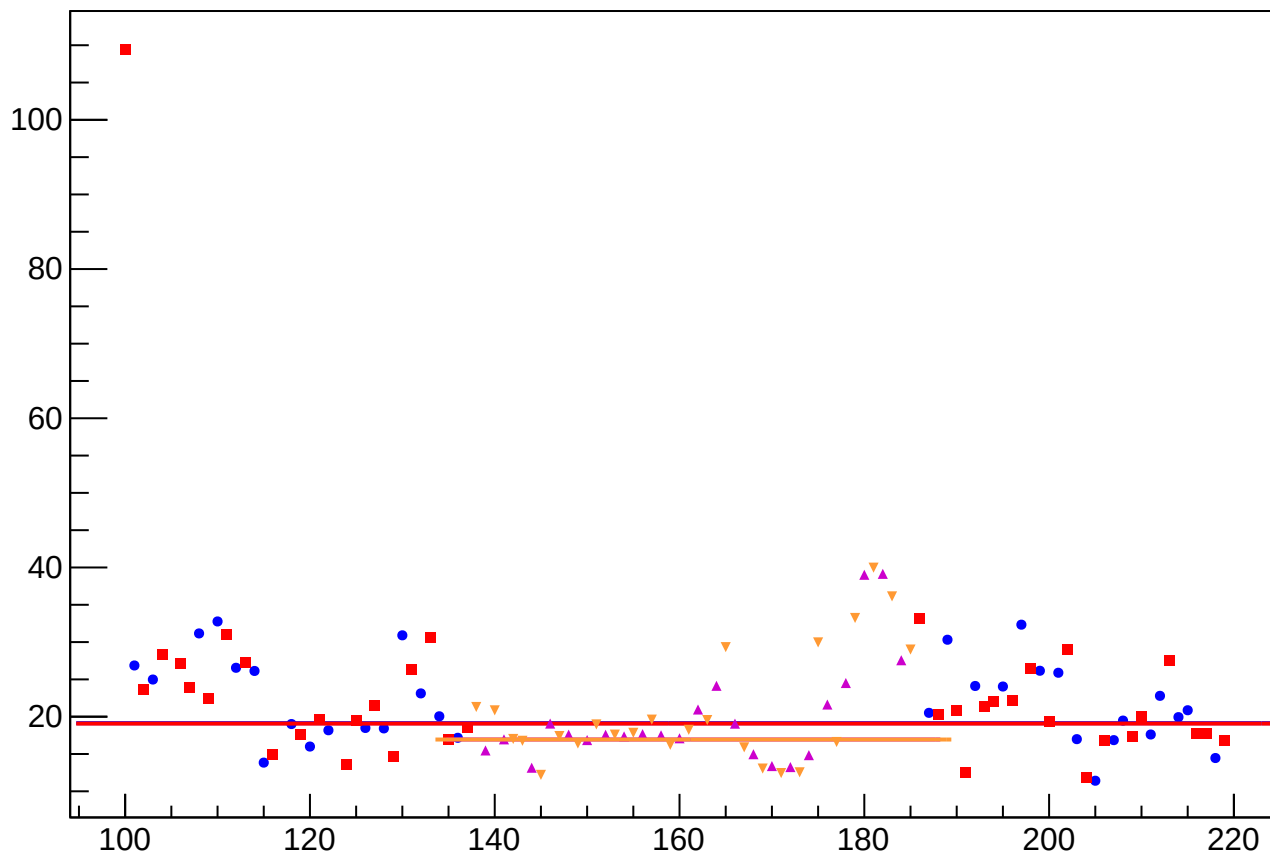
Left In: 0.005 $\pm$ 0.004 χ^2 /NDF: 33.2/22

+ sign 0.008 $\pm$ 0.003 χ^2 /NDF: 60.5/56

All: 0.009 $\pm$ 0.002 χ^2 /NDF: 129.9/116

- sign 0.010 $\pm$ 0.003 χ^2 /NDF: 69.2/59

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 19.131 $\pm$ 0.003 χ^2 /NDF: 2541796.6/31

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836863.1/24

Right Out: 19.076 $\pm$ 0.003 χ^2 /NDF: 2338036.9/36

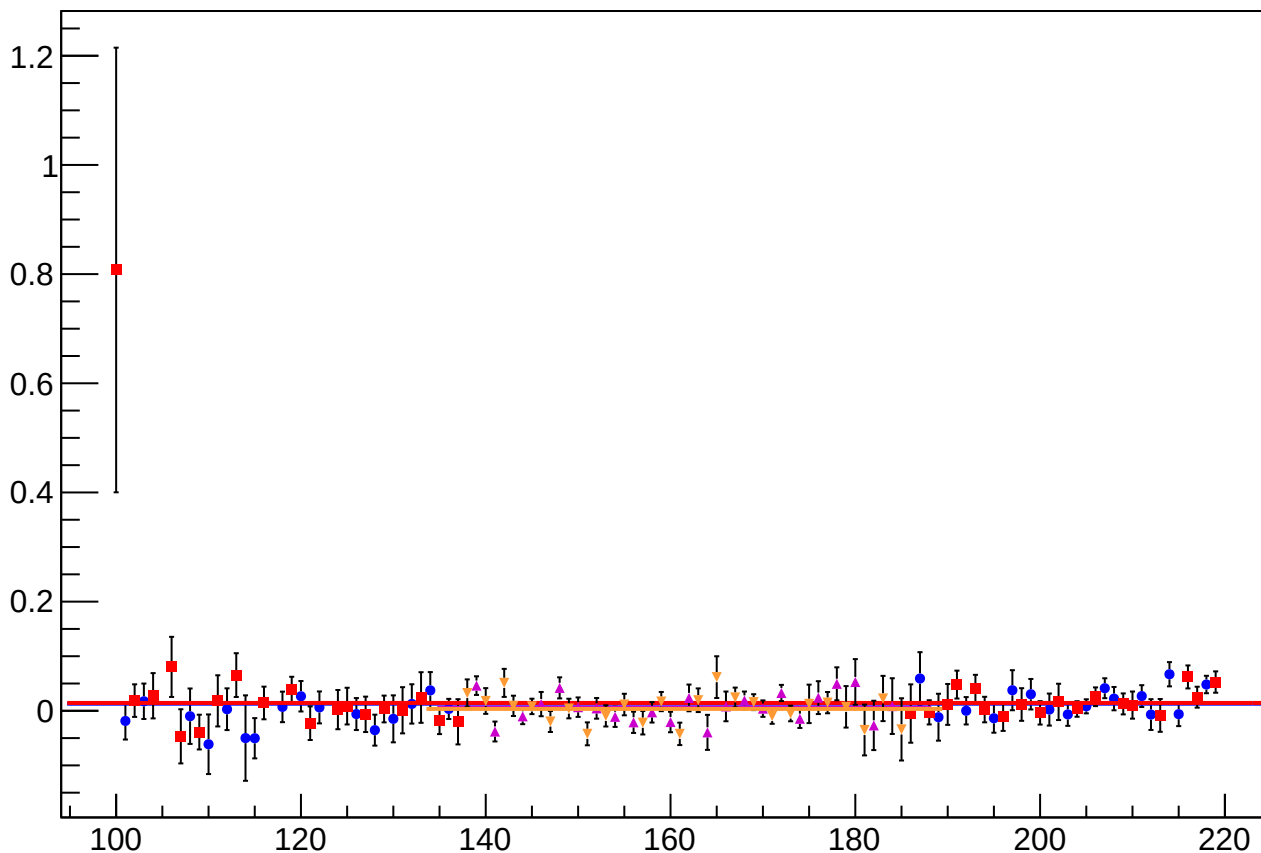
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941834.9/22

+ sign 17.914 $\pm$ 0.002 χ^2 /NDF: 5634078.9/56

All: 17.933 $\pm$ 0.002 χ^2 /NDF: 10159383.9/116

- sign 17.953 $\pm$ 0.002 χ^2 /NDF: 4525139.8/59

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 $\pm$ 0.005 χ^2 /NDF: 31.1/31

Left Out: 0.003 $\pm$ 0.004 χ^2 /NDF:26.9/24

Right Out: 0.014 $\pm$ 0.004 χ^2 /NDF: 33.8/36

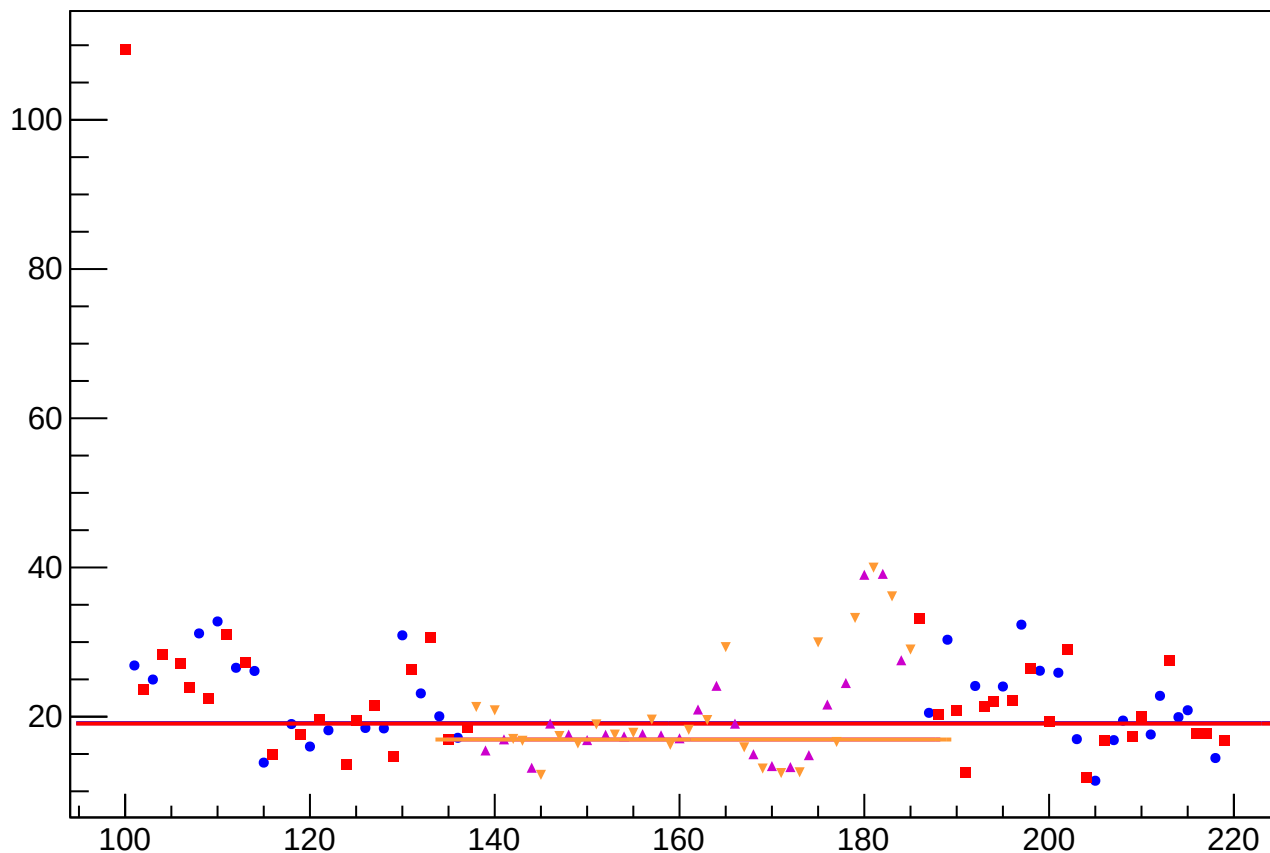
Left In: 0.005 $\pm$ 0.004 χ^2 /NDF:33.2/22

+ sign 0.008 $\pm$ 0.003 χ^2 /NDF: 60.5/56

All: 0.009 $\pm$ 0.002 χ^2 /NDF: 129.9/116

- sign 0.010 $\pm$ 0.003 χ^2 /NDF: 69.2/59

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 19.131 $\pm$ 0.003 χ^2 /NDF: 2541796.6/31

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836863.1/24

Right Out: 19.076 $\pm$ 0.003 χ^2 /NDF: 2338036.9/36

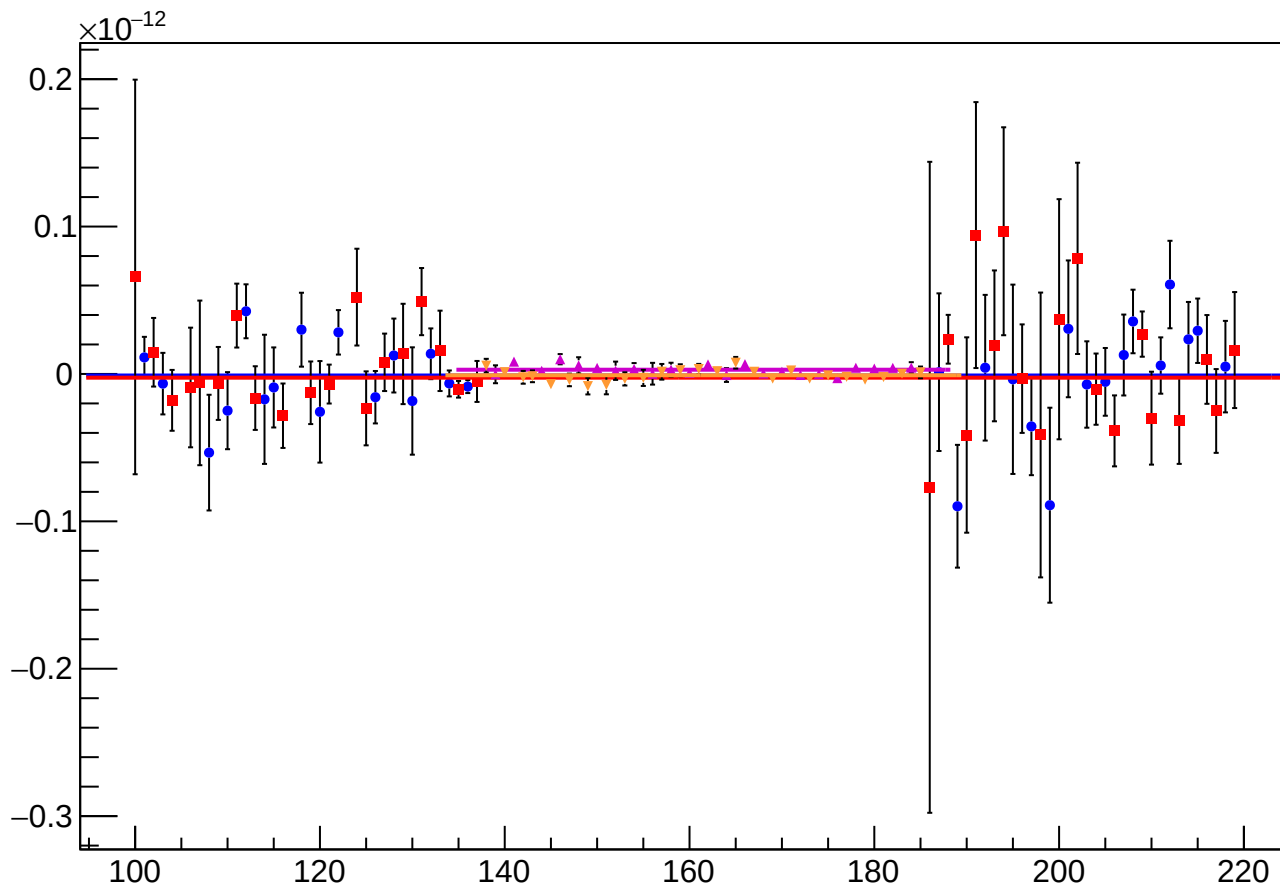
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941834.9/22

+ sign 17.914 $\pm$ 0.002 χ^2 /NDF: 5634078.9/56

All: 17.933 $\pm$ 0.002 χ^2 /NDF: 10159383.9/116

- sign 17.953 $\pm$ 0.002 χ^2 /NDF: 4525139.8/59

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 38.8/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 23.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 35.9/36

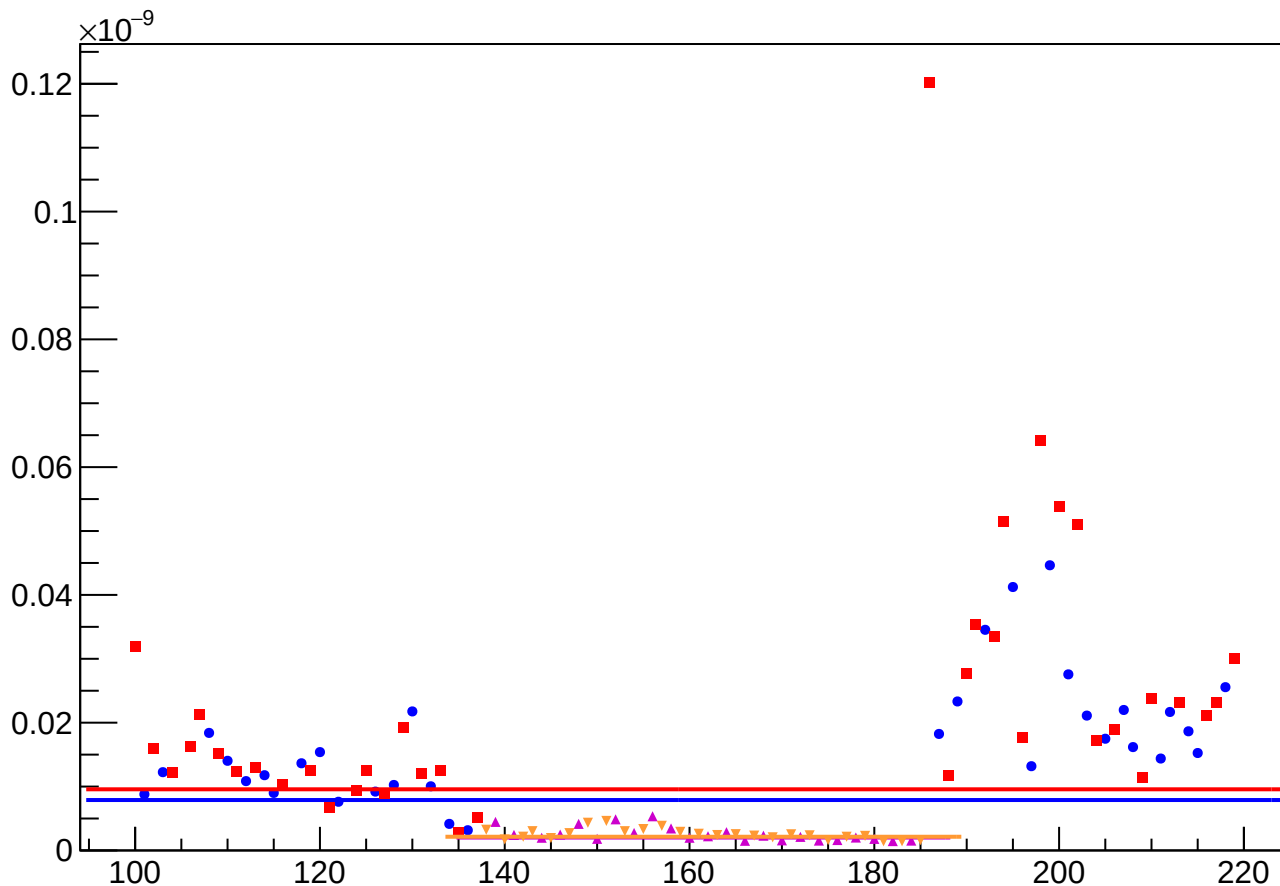
Left In: 0.000 ± 0.000 χ^2/NDF : 23.1/22

+ sign -0.000 ± 0.000 χ^2/NDF : 62.4/56

All: 0.000 ± 0.000 χ^2/NDF : 140.2/116

- sign 0.000 ± 0.000 χ^2/NDF : 61.5/59

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9594592.3/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10787775.1/36

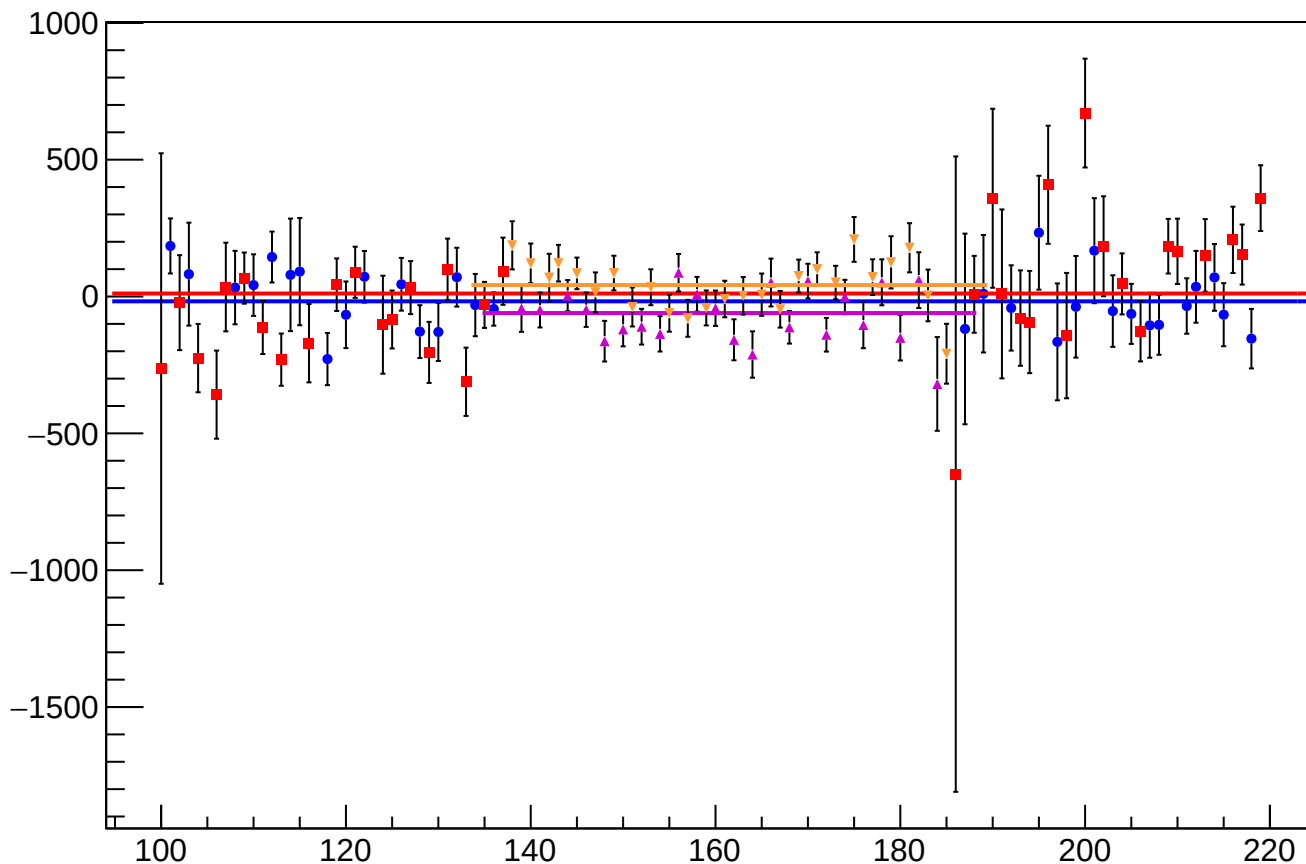
Left In: 0.000+/-0.000 χ^2/NDF : 2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 18891702.4/56

All: 0.000+/-0.000 χ^2/NDF : 41535460.4/116

- sign 0.000+/-0.000 χ^2/NDF : 22604148.5/59

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -17.546 ± 20.821 χ^2/NDF : 24.9/31

Left Out: 42.012 ± 14.181 χ^2/NDF : 32.0/24

Right Out: 10.971 ± 20.959 χ^2/NDF : 70.8/36

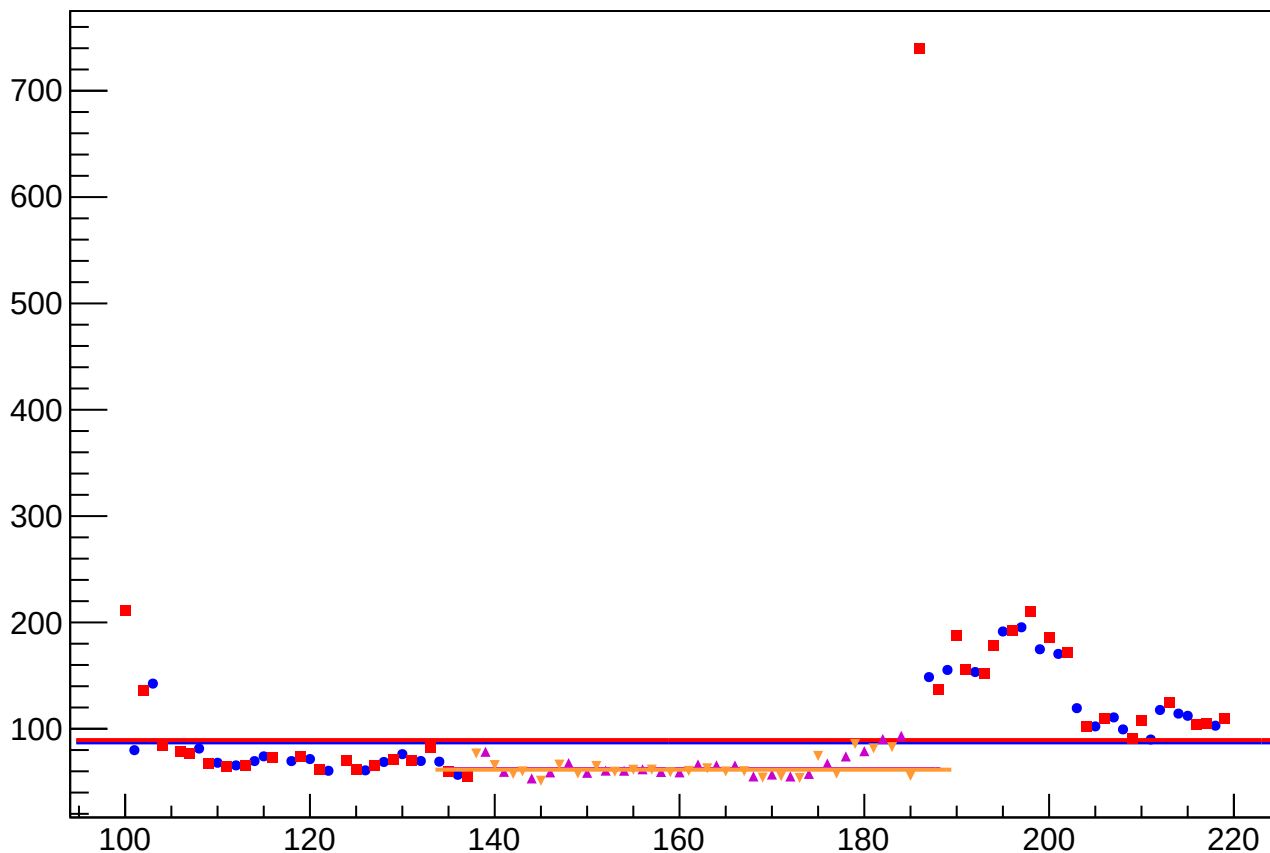
Left In: -60.376 ± 14.714 χ^2/NDF : 32.2/22

+ sign 23.139 ± 11.721 χ^2/NDF : 62.5/56

All: -6.030 ± 8.399 χ^2/NDF : 186.0/116

- sign -36.823 ± 12.043 χ^2/NDF : 110.7/59

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 87.183+/-0.015 χ^2/NDF : 4556768.0/31

Left Out: 61.544+/-0.010 χ^2/NDF : 637834.8/24

Right Out: 89.377+/-0.015 χ^2/NDF : 5777699.9/36

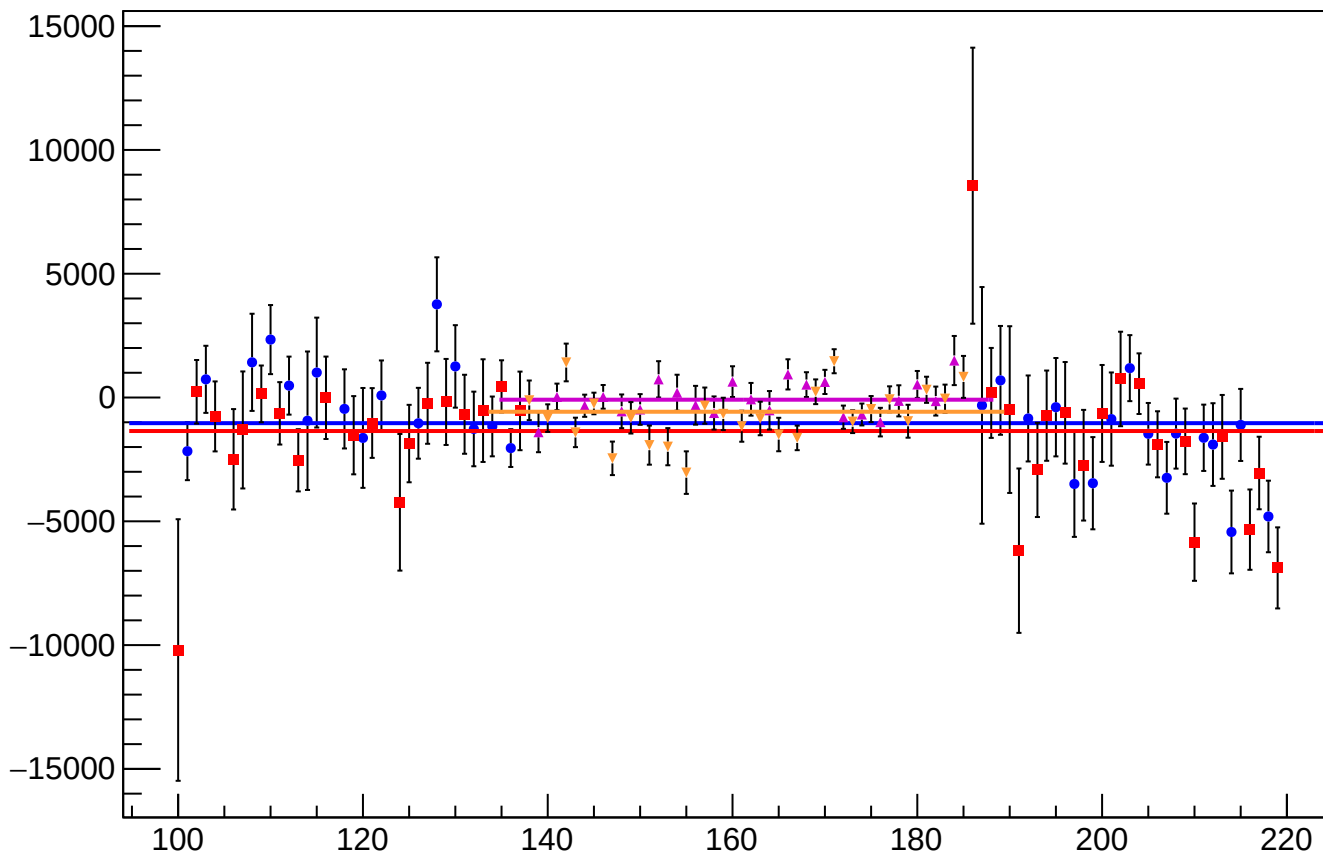
Left In: 62.144+/-0.010 χ^2/NDF : 596754.9/22

+ sign 69.668+/-0.008 χ^2/NDF : 7266170.4/56

All: 70.382+/-0.006 χ^2/NDF : 15917536.7/116

- sign 71.135+/-0.009 χ^2/NDF : 8636142.8/59

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -1035.625 ± 264.904 χ^2/NDF : 46.8/31

Left Out: -574.818 ± 119.736 χ^2/NDF : 68.8/24

Right Out: -1353.231 ± 268.580 χ^2/NDF : 52.6/36

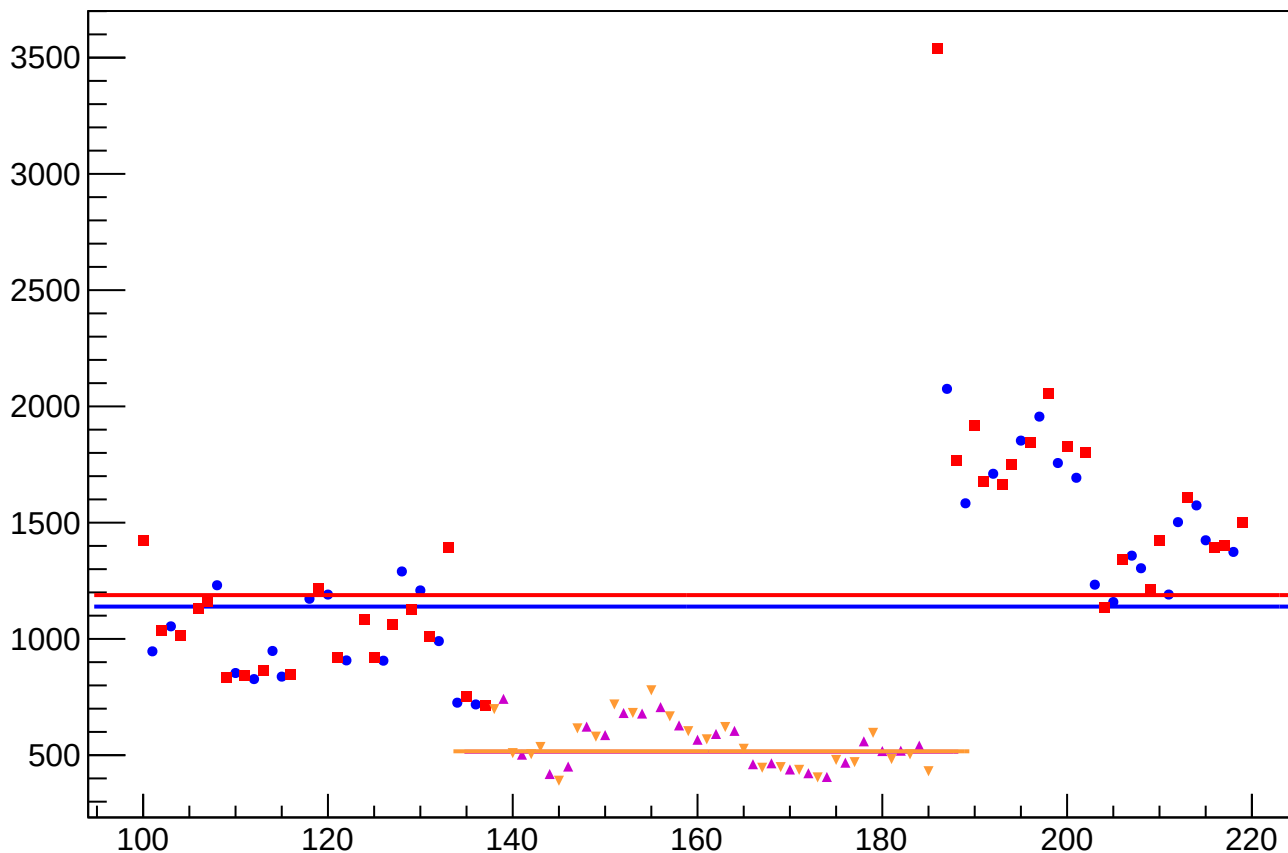
Left In: -88.334 ± 122.492 χ^2/NDF : 24.6/22

+ sign -652.991 ± 109.108 χ^2/NDF : 118.1/56

All: -483.243 ± 77.965 χ^2/NDF : 218.5/116

- sign -306.134 ± 111.449 χ^2/NDF : 95.5/59

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 1139.041 $\pm$ 0.187 χ^2 /NDF: 3090024.9/31

Left Out: 516.635 $\pm$ 0.085 χ^2 /NDF: 1265161.0/24

Right Out: 1188.422 $\pm$ 0.190 χ^2 /NDF: 3626693.6/36

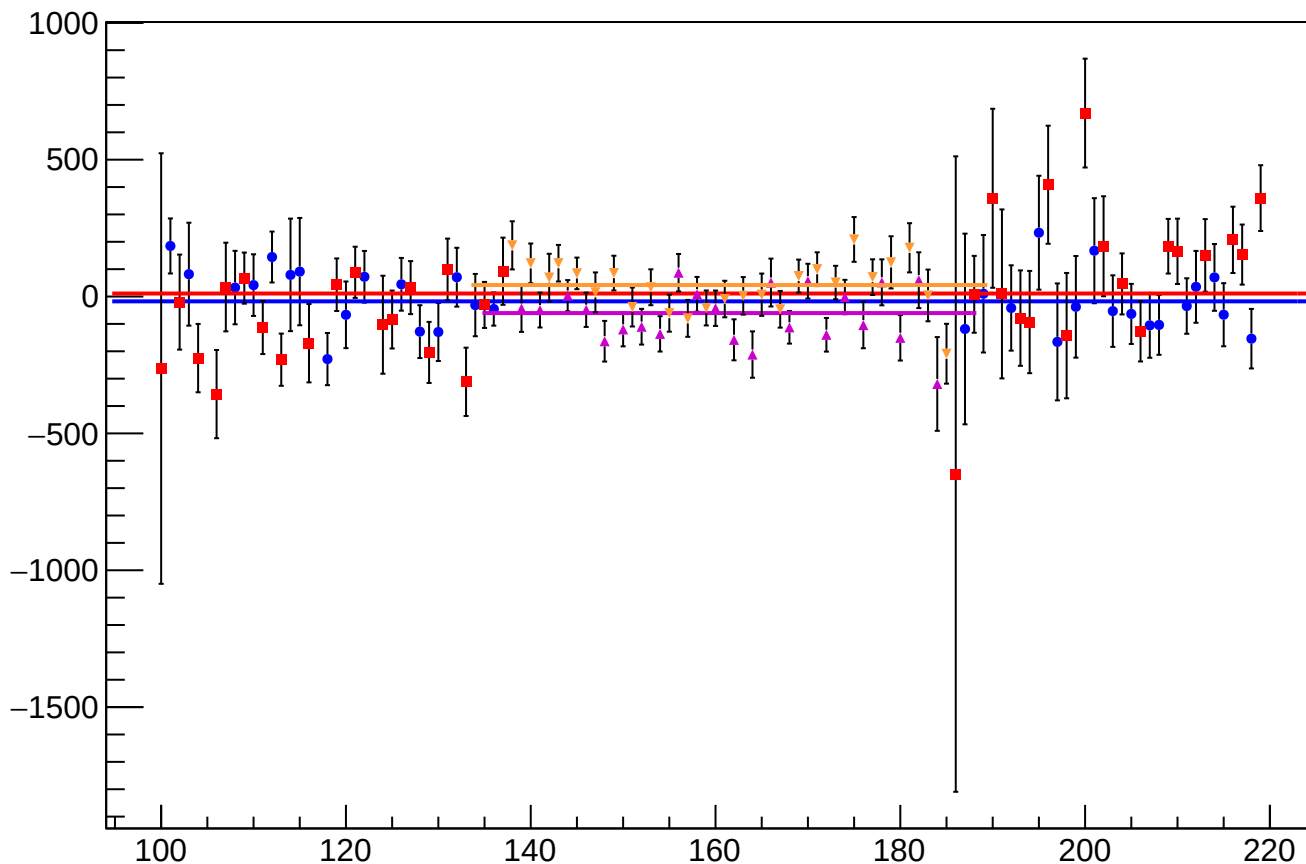
Left In: 514.781 $\pm$ 0.087 χ^2 /NDF: 1120436.1/22

+ sign 622.223 $\pm$ 0.077 χ^2 /NDF: 13523000.2/56

All: 626.408 $\pm$ 0.055 χ^2 /NDF: 28691448.9/11

- sign 630.774 $\pm$ 0.079 χ^2 /NDF: 15162437.0/59

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -17.552 ± 20.821 χ^2/NDF : 24.9/31

Left Out: 42.017 ± 14.181 χ^2/NDF : 32.0/24

Right Out: 11.050 ± 20.960 χ^2/NDF : 70.7/36

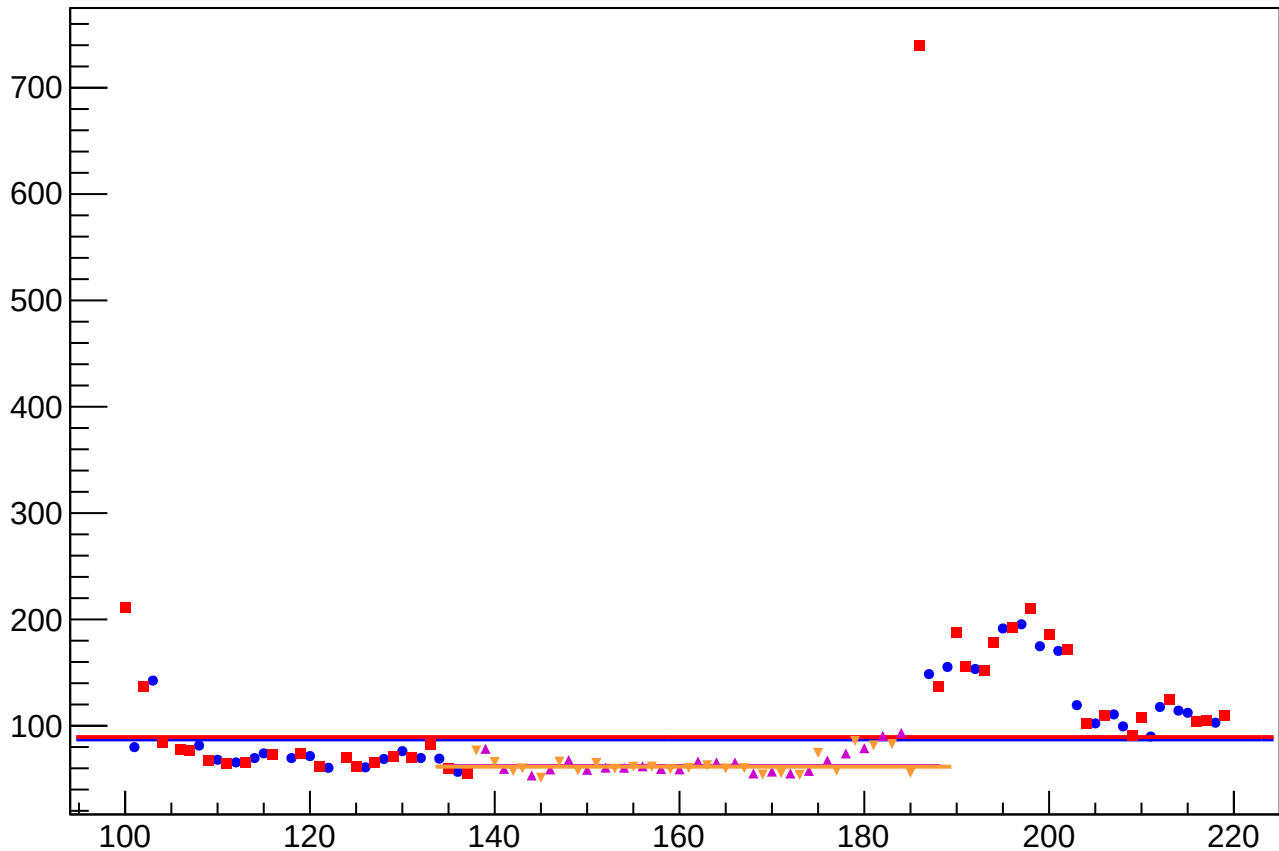
Left In: -60.376 ± 14.714 χ^2/NDF : 32.2/22

+ sign 23.141 ± 11.721 χ^2/NDF : 62.5/56

All: -6.016 ± 8.399 χ^2/NDF : 185.9/116

- sign -36.797 ± 12.043 χ^2/NDF : 110.6/59

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 87.183 $\pm$ 0.015 χ^2 /NDF: 4556771.1/31

Left Out: 61.544 $\pm$ 0.010 χ^2 /NDF: 637834.9/24

Right Out: 89.365 $\pm$ 0.015 χ^2 /NDF: 5779180.9/36

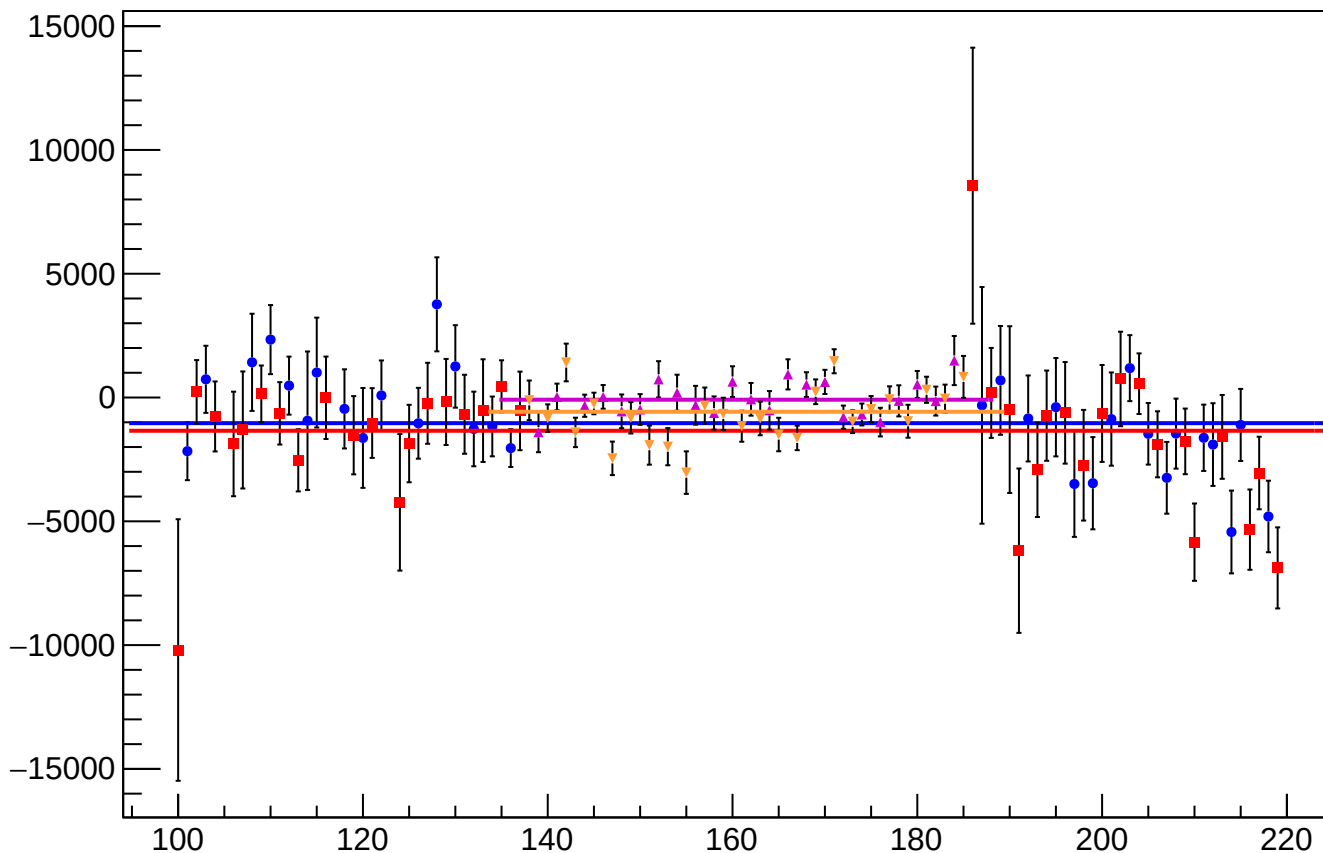
Left In: 62.144 $\pm$ 0.010 χ^2 /NDF: 596754.9/22

+ sign 69.668 $\pm$ 0.008 χ^2 /NDF: 7266173.4/56

All: 70.380 $\pm$ 0.006 χ^2 /NDF: 15917009.9/116

- sign 71.131 $\pm$ 0.009 χ^2 /NDF: 8635695.8/59

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -1035.611 ± 264.904 χ^2/NDF : 46.8/31

Left Out: -574.811 ± 119.736 χ^2/NDF : 68.8/24

Right Out: -1341.960 ± 268.772 χ^2/NDF : 52.3/36

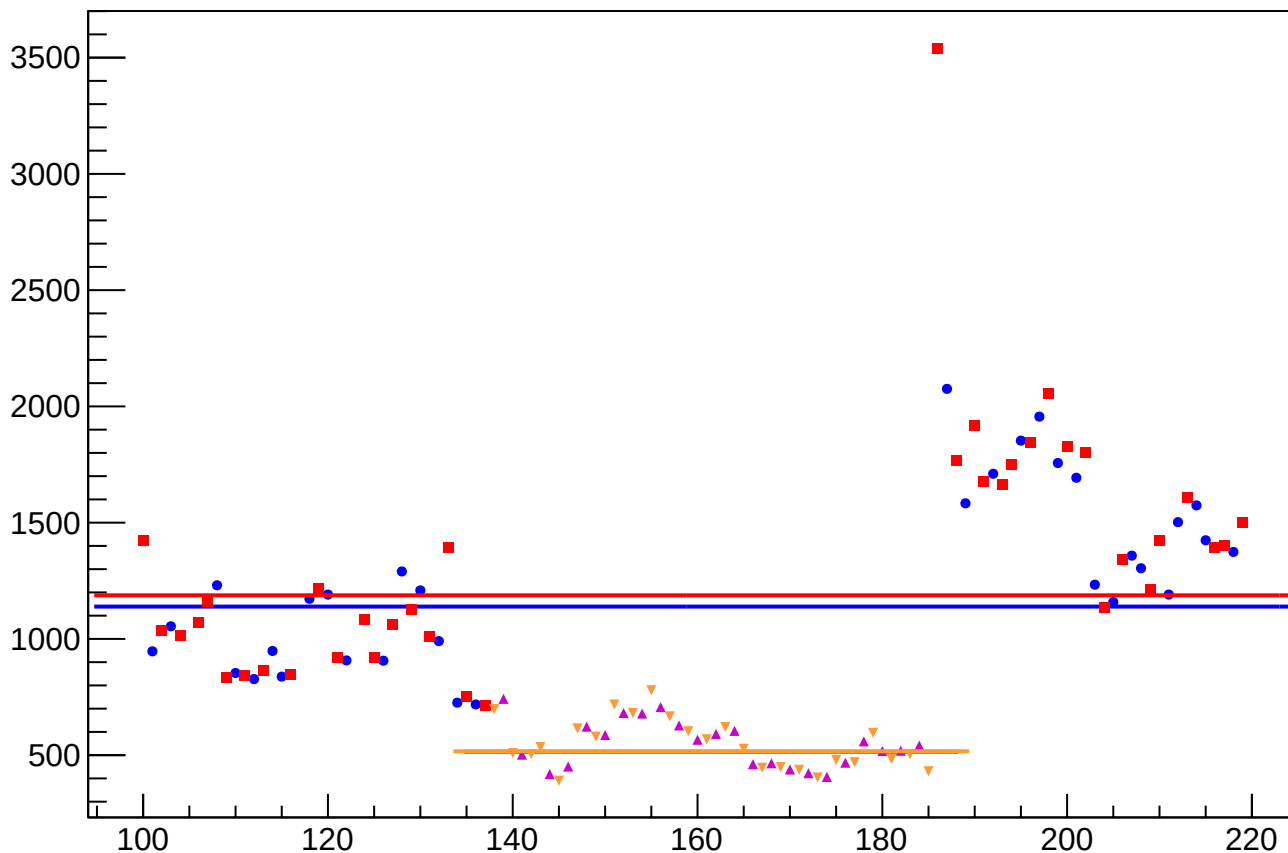
Left In: -88.333 ± 122.492 χ^2/NDF : 24.6/22

+ sign -652.982 ± 109.108 χ^2/NDF : 118.1/56

All: -482.185 ± 77.970 χ^2/NDF : 218.0/116

- sign -303.938 ± 111.462 χ^2/NDF : 94.9/59

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 1139.045 $\pm$ 0.187 χ^2 /NDF: 3090013.4/31

Left Out: 516.635 $\pm$ 0.085 χ^2 /NDF: 1265163.0/24

Right Out: 1187.526 $\pm$ 0.190 χ^2 /NDF: 3631156.9/36

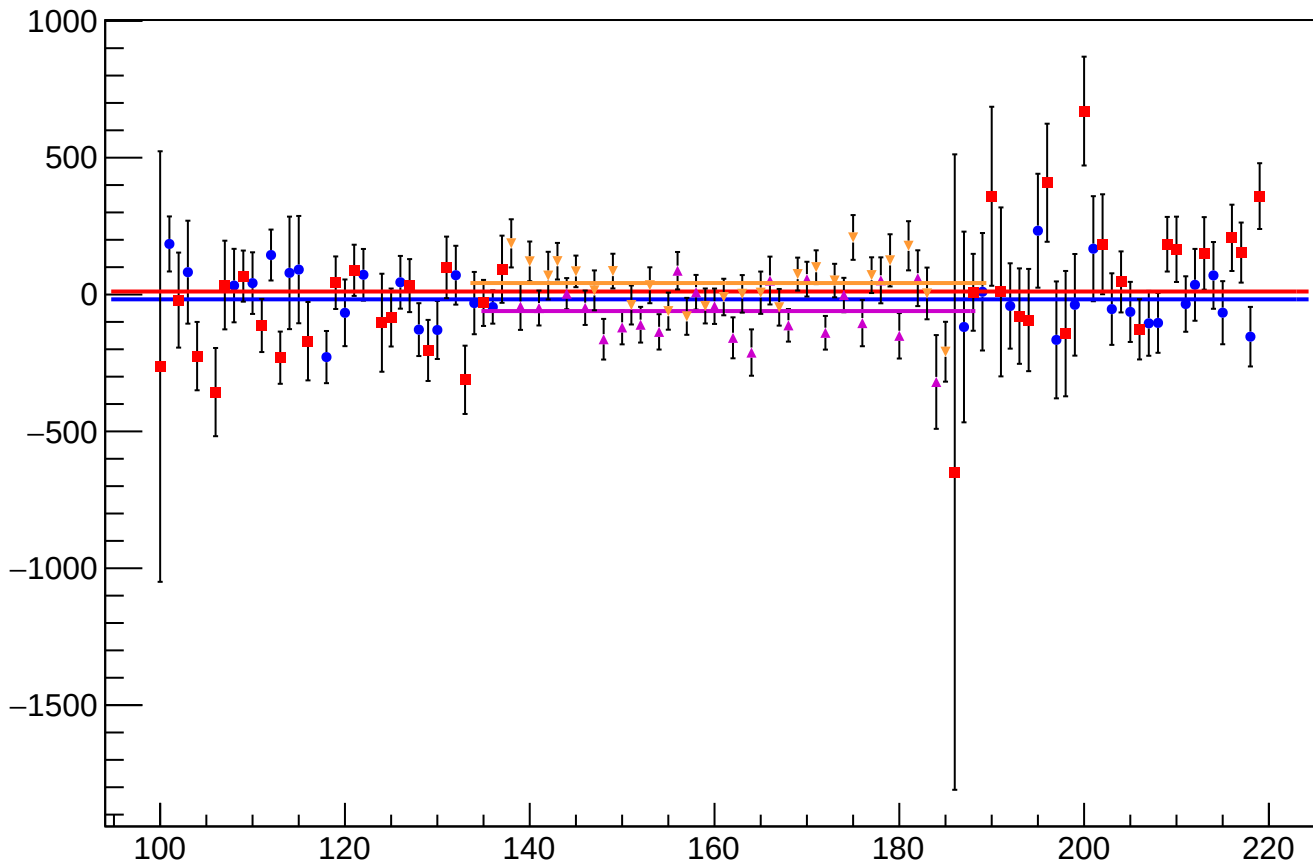
Left In: 514.781 $\pm$ 0.087 χ^2 /NDF: 1120434.8/22

+ sign 622.223 $\pm$ 0.077 χ^2 /NDF: 13523054.7/56

All: 626.265 $\pm$ 0.055 χ^2 /NDF: 28655609.4/11

- sign 630.483 $\pm$ 0.079 χ^2 /NDF: 15126945.5/59

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -17.552 $\pm$ 20.821 χ^2/NDF : 24.9/31

Left Out: 42.017 $\pm$ 14.181 χ^2/NDF : 32.0/24

Right Out: 11.050 $\pm$ 20.960 χ^2/NDF : 70.7/36

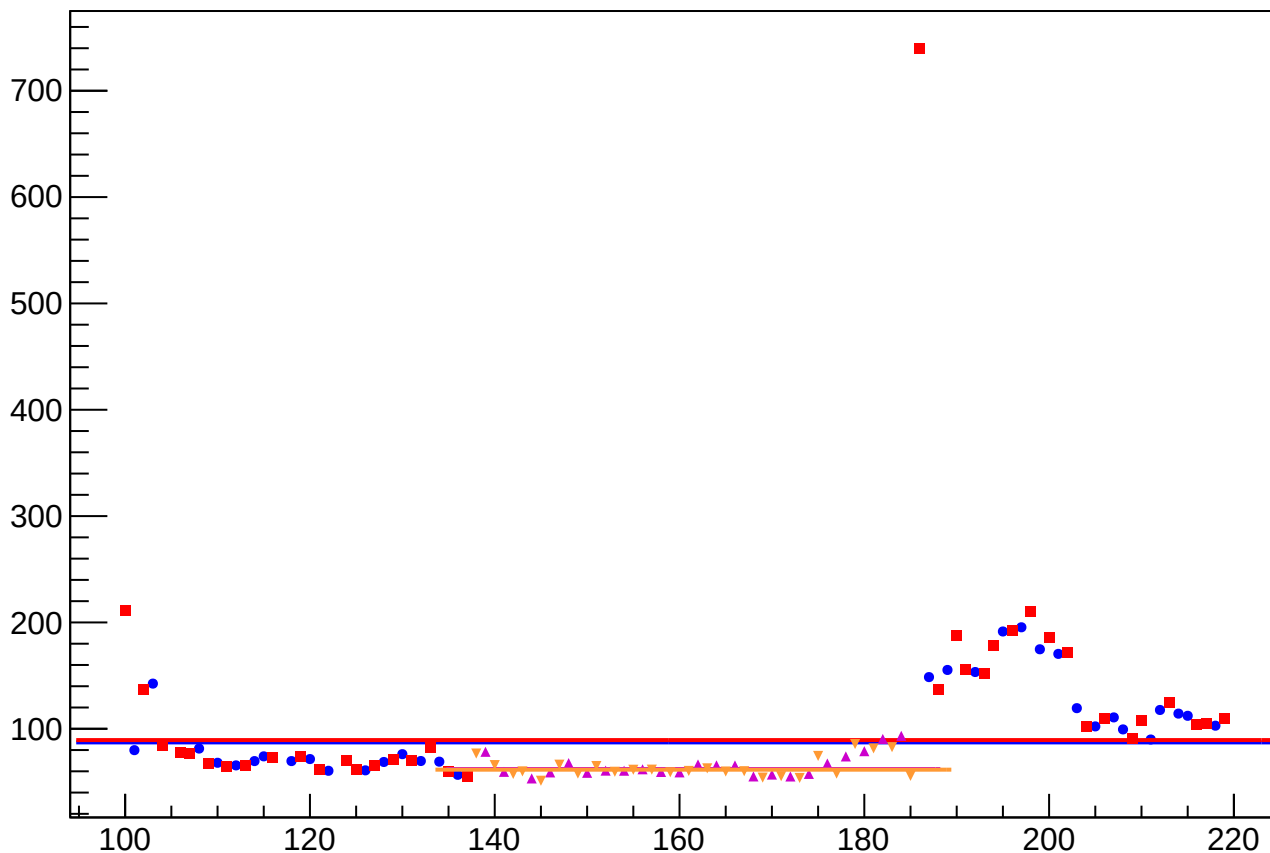
Left In: -60.376 $\pm$ 14.714 χ^2/NDF : 32.2/22

+ sign 23.141 $\pm$ 11.721 χ^2/NDF : 62.5/56

All: -6.016 $\pm$ 8.399 χ^2/NDF : 185.9/116

- sign -36.797 $\pm$ 12.043 χ^2/NDF : 110.6/59

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 87.183+/-0.015 χ^2/NDF : 4556771.1/31

Left Out: 61.544+/-0.010 χ^2/NDF : 637834.9/24

Right Out: 89.365+/-0.015 χ^2/NDF : 5779180.9/36

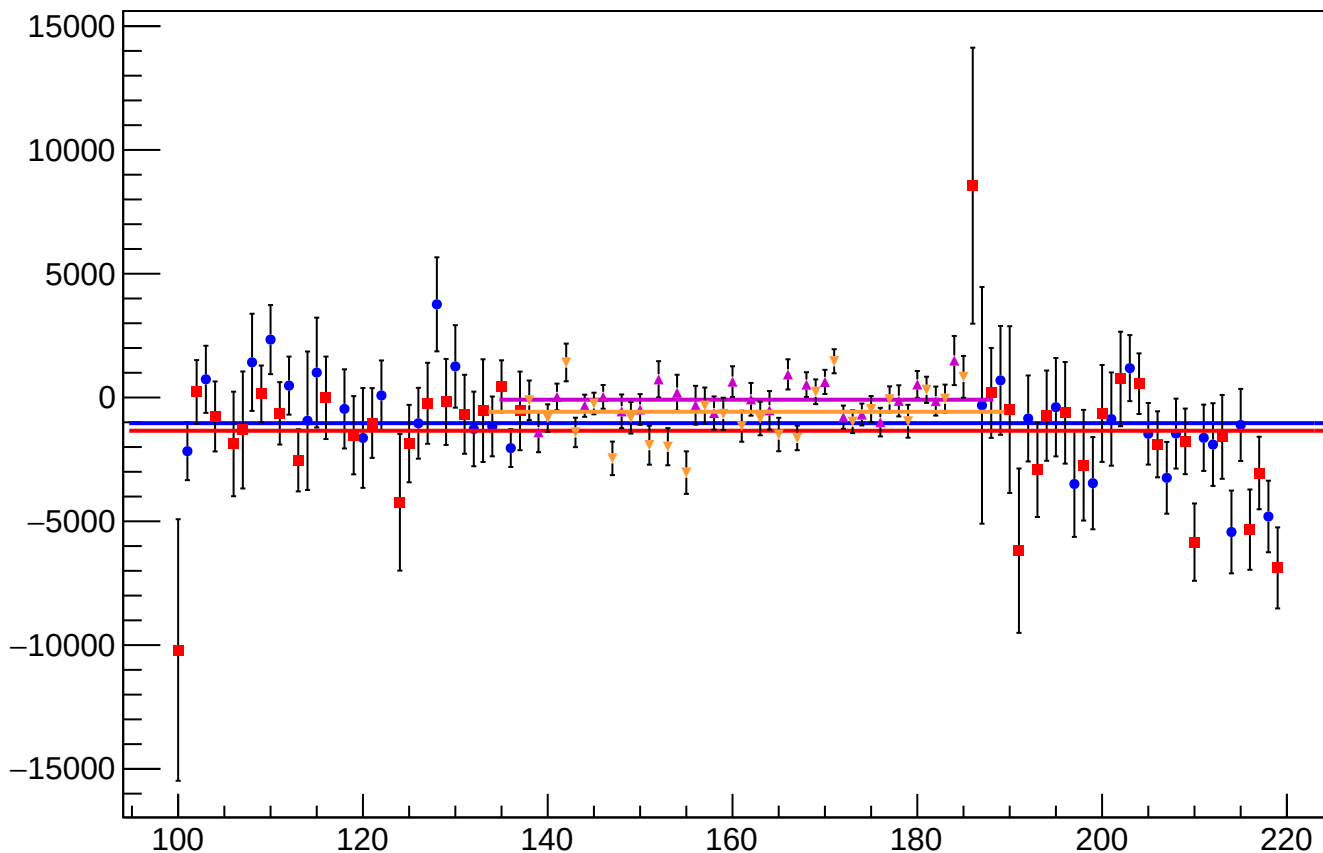
Left In: 62.144+/-0.010 χ^2/NDF : 596754.9/22

+ sign 69.668+/-0.008 χ^2/NDF : 7266173.4/56

All: 70.380+/-0.006 χ^2/NDF : 15917009.9/116

- sign 71.131+/-0.009 χ^2/NDF : 8635695.8/59

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug



Right In: -1035.611 $\pm$ 264.904 χ^2 /NDF: 46.8/31

Left Out: -574.811 $\pm$ 119.736 χ^2 /NDF: 68.8/24

Right Out: -1341.960 $\pm$ 268.772 χ^2 /NDF: 52.3/36

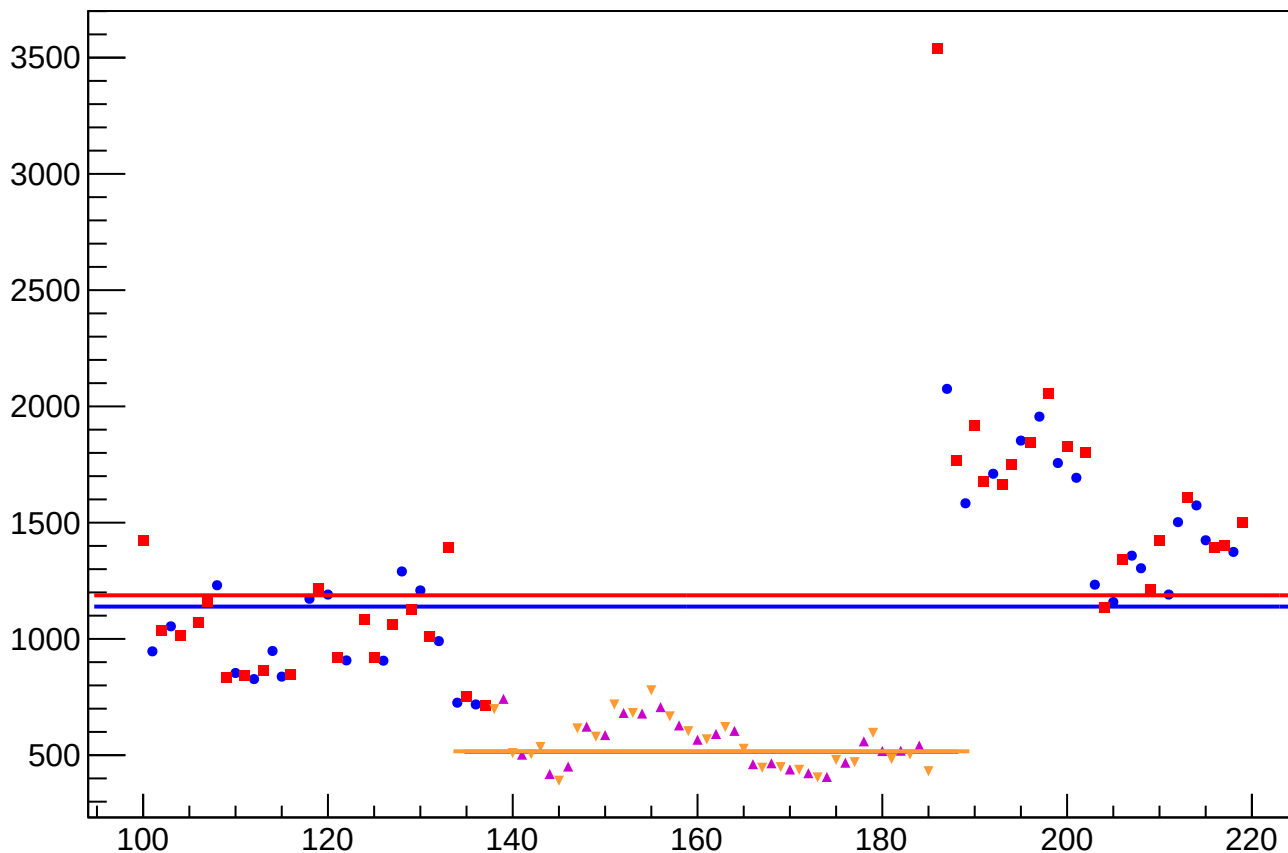
Left In: -88.333 $\pm$ 122.492 χ^2 /NDF: 24.6/22

+ sign -652.982 $\pm$ 109.108 χ^2 /NDF: 118.1/56

All: -482.185 $\pm$ 77.970 χ^2 /NDF: 218.0/116

- sign -303.938 $\pm$ 111.462 χ^2 /NDF: 94.9/59

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug



Right In: 1139.045 $\pm$ 0.187 χ^2 /NDF: 3090013.4/31

Left Out: 516.635 $\pm$ 0.085 χ^2 /NDF: 1265163.0/24

Right Out: 1187.526 $\pm$ 0.190 χ^2 /NDF: 3631156.9/36

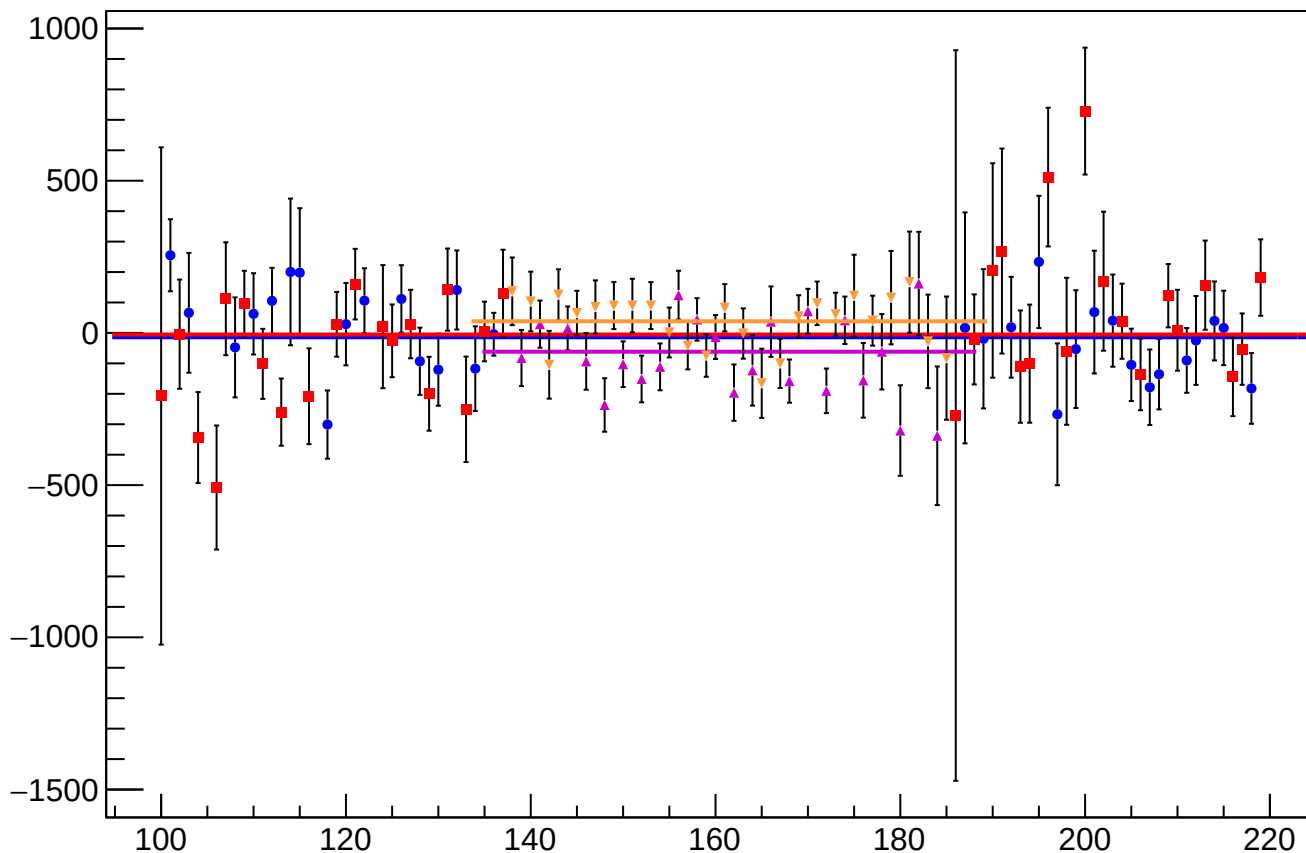
Left In: 514.781 $\pm$ 0.087 χ^2 /NDF: 1120434.8/22

+ sign 622.223 $\pm$ 0.077 χ^2 /NDF: 13523054.7/56

All: 626.265 $\pm$ 0.055 χ^2 /NDF: 28655609.4/11

- sign 630.483 $\pm$ 0.079 χ^2 /NDF: 15126945.5/59

dit_asym_sam_12345678_avg_mean vs Slug



Right In: -14.329 ± 23.379 χ^2/NDF : 30.4/31

Left Out: 38.281 ± 17.669 χ^2/NDF : 18.8/24

Right Out: -5.206 ± 23.643 χ^2/NDF : 56.8/36

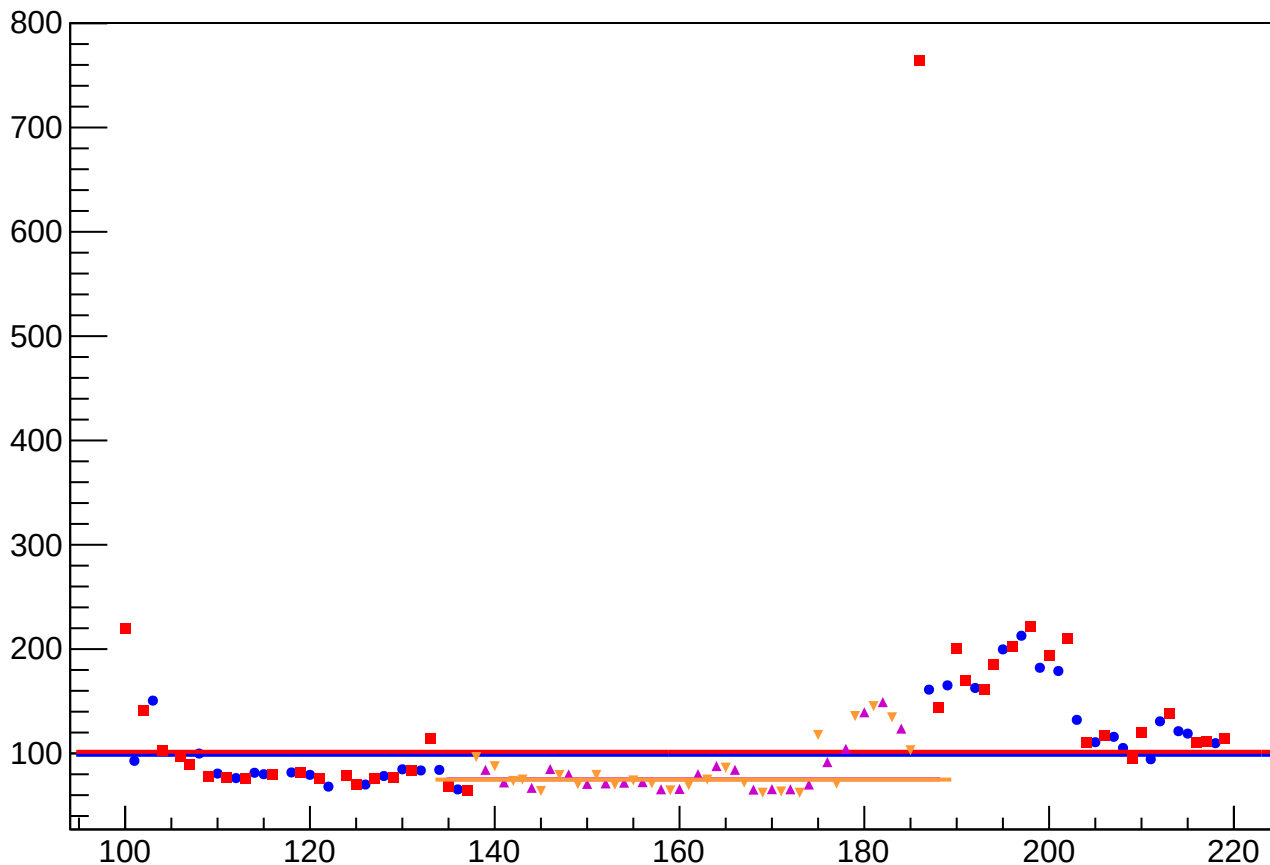
Left In: -61.723 ± 18.192 χ^2/NDF : 36.7/22

+ sign 19.155 ± 14.096 χ^2/NDF : 52.5/56

All: -10.101 ± 10.079 χ^2/NDF : 158.4/116

- sign -40.707 ± 14.418 χ^2/NDF : 97.1/59

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 98.677+/-0.017 χ^2/NDF : 3786866.8/31

Left Out: 74.903+/-0.012 χ^2/NDF :1661552.1/24

Right Out: 101.581+/-0.017 χ^2/NDF : 5003537.9/36

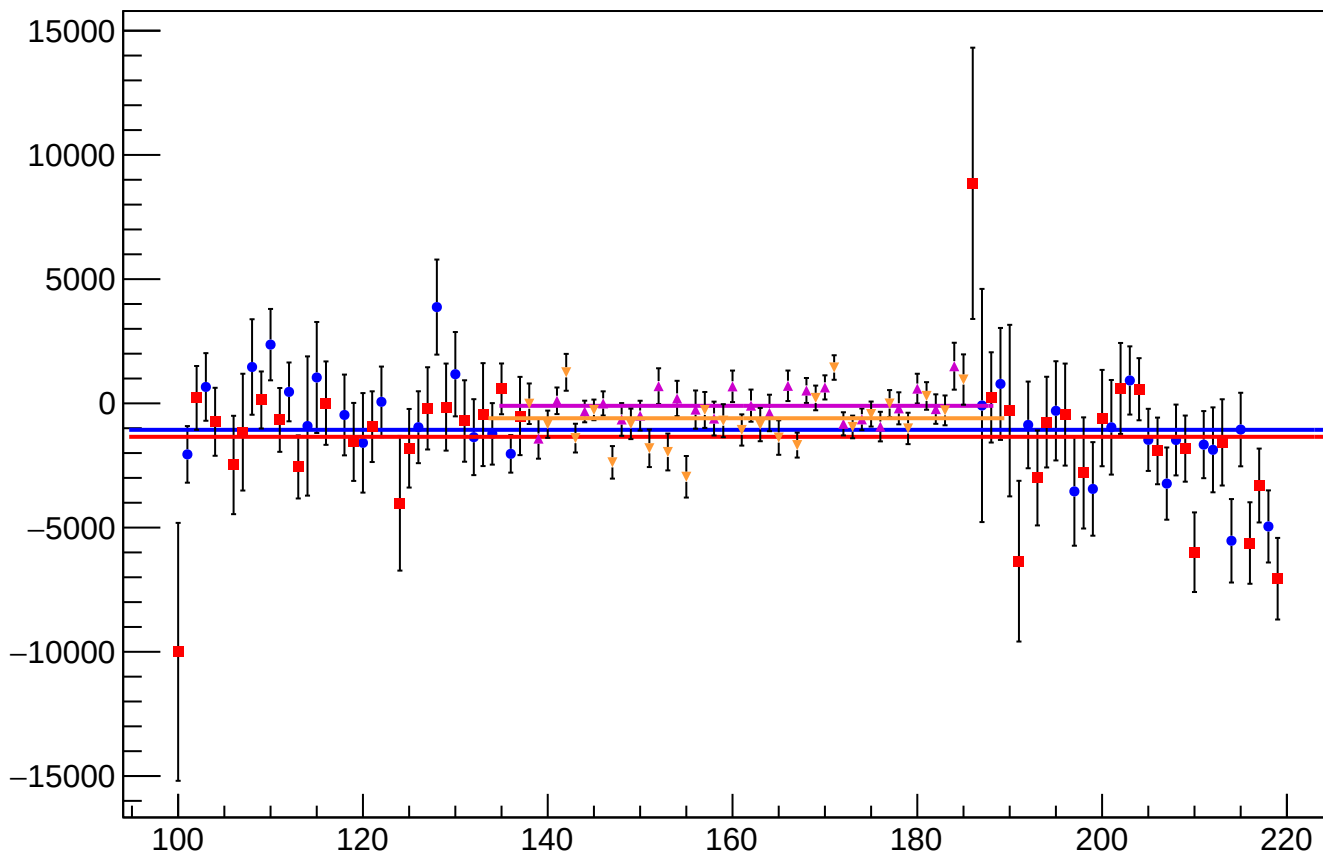
Left In: 75.156+/-0.013 χ^2/NDF :1312543.0/22

+ sign 83.546+/-0.010 χ^2/NDF : 6764727.7/56

All: 84.248+/-0.007 χ^2/NDF : 14660303.4/116

- sign 84.982+/-0.010 χ^2/NDF : 7885427.2/59

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -1065.126 ± 266.687 χ^2/NDF : 46.2/31

Left Out: -598.826 ± 119.324 χ^2/NDF : 65.0/24

Right Out: -1346.666 ± 269.080 χ^2/NDF : 55.8/36

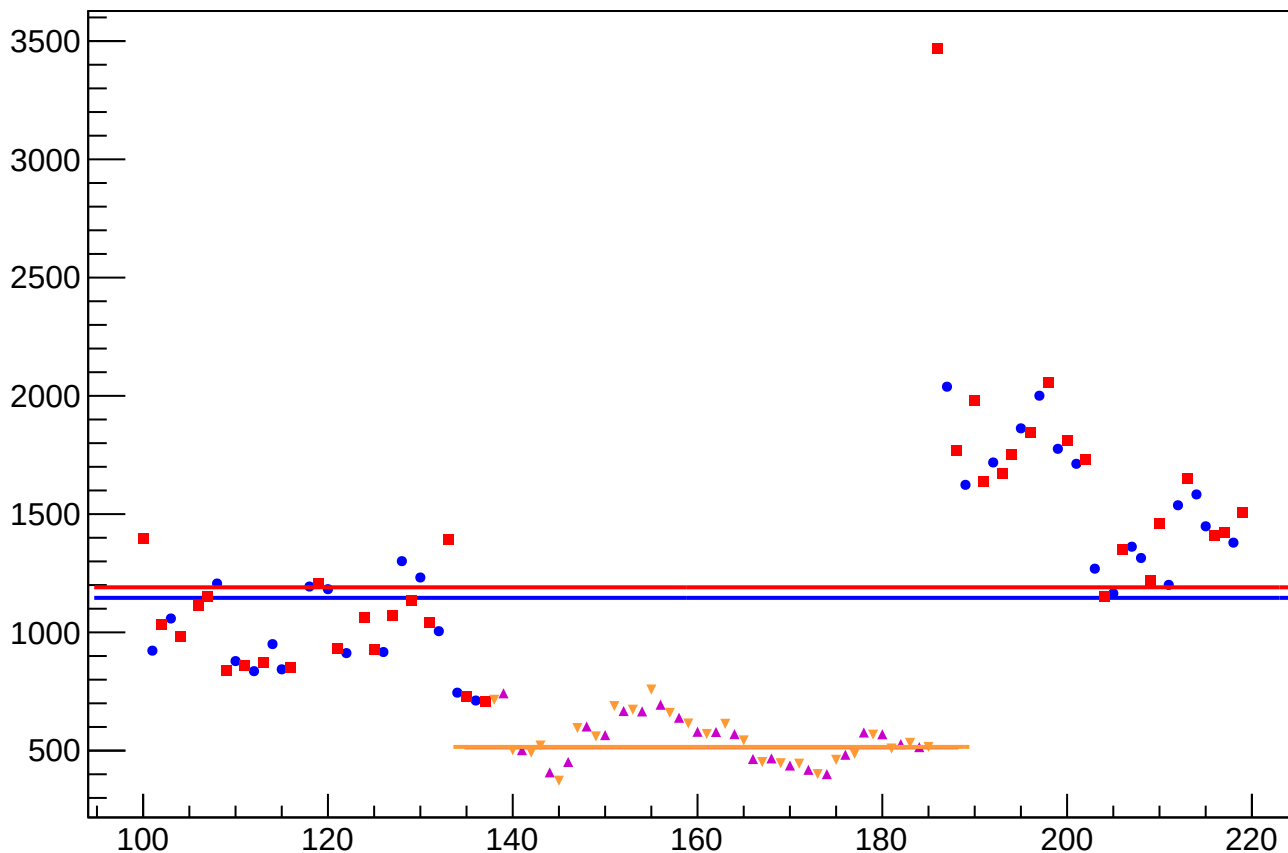
Left In: -99.102 ± 122.310 χ^2/NDF : 23.7/22

+ sign -676.606 ± 108.918 χ^2/NDF : 113.8/56

All: -498.680 ± 77.861 χ^2/NDF : 216.6/116

- sign -312.730 ± 111.347 χ^2/NDF : 97.3/59

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1145.909 $\pm$ 0.189 χ^2 /NDF: 3161233.5/31

Left Out: 515.762 $\pm$ 0.084 χ^2 /NDF:1232478.6/24

Right Out: 1190.502 $\pm$ 0.190 χ^2 /NDF: 3658432.5/36

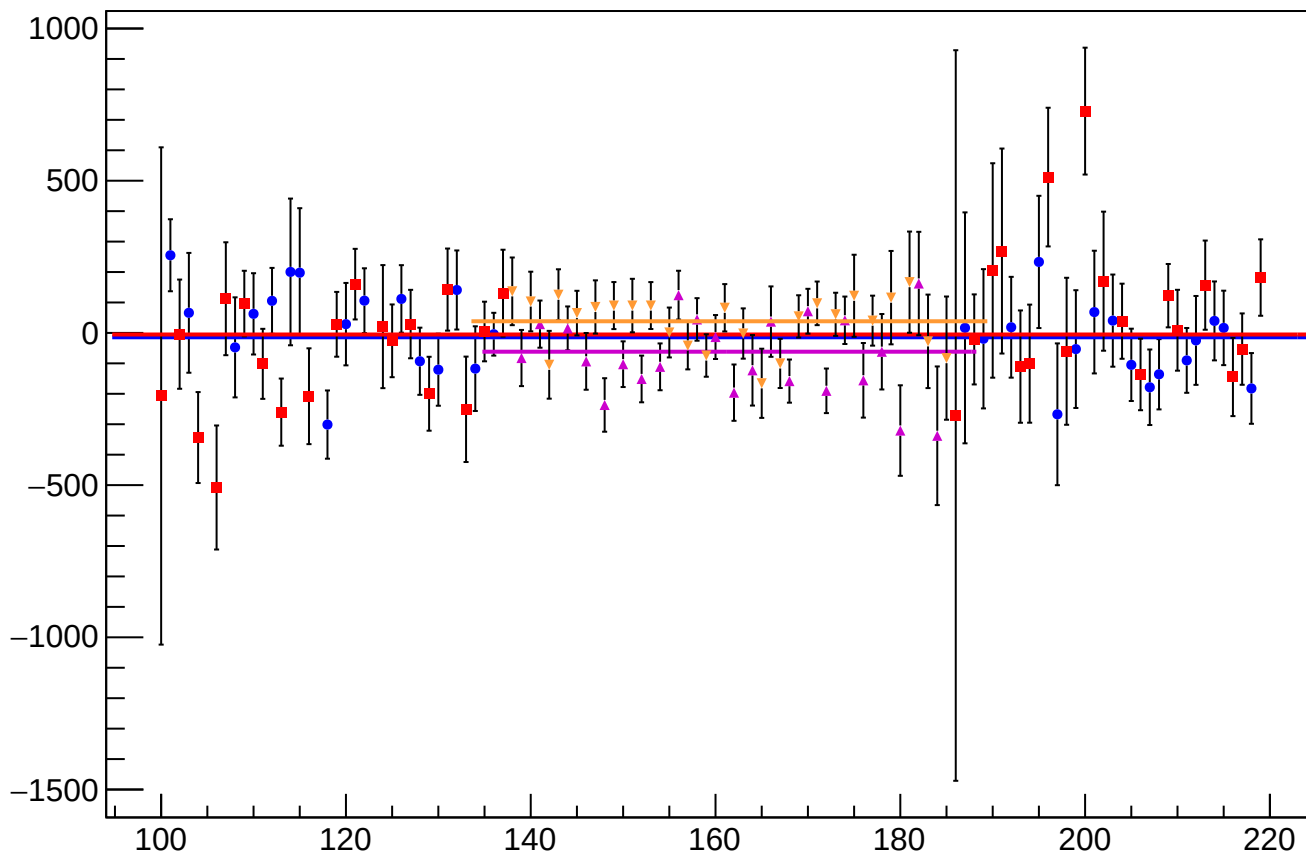
Left In: 514.088 $\pm$ 0.086 χ^2 /NDF:1116884.3/22

+ sign 620.871 $\pm$ 0.077 χ^2 /NDF: 13697499.1/56

All: 625.293 $\pm$ 0.055 χ^2 /NDF: 28953816.4/1

- sign 629.914 $\pm$ 0.079 χ^2 /NDF: 15249576.0/59

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: -14.327 ± 23.379 χ^2/NDF : 30.4/31

Left Out: 38.282 ± 17.670 χ^2/NDF : 18.8/24

Right Out: -5.204 ± 23.643 χ^2/NDF : 56.8/36

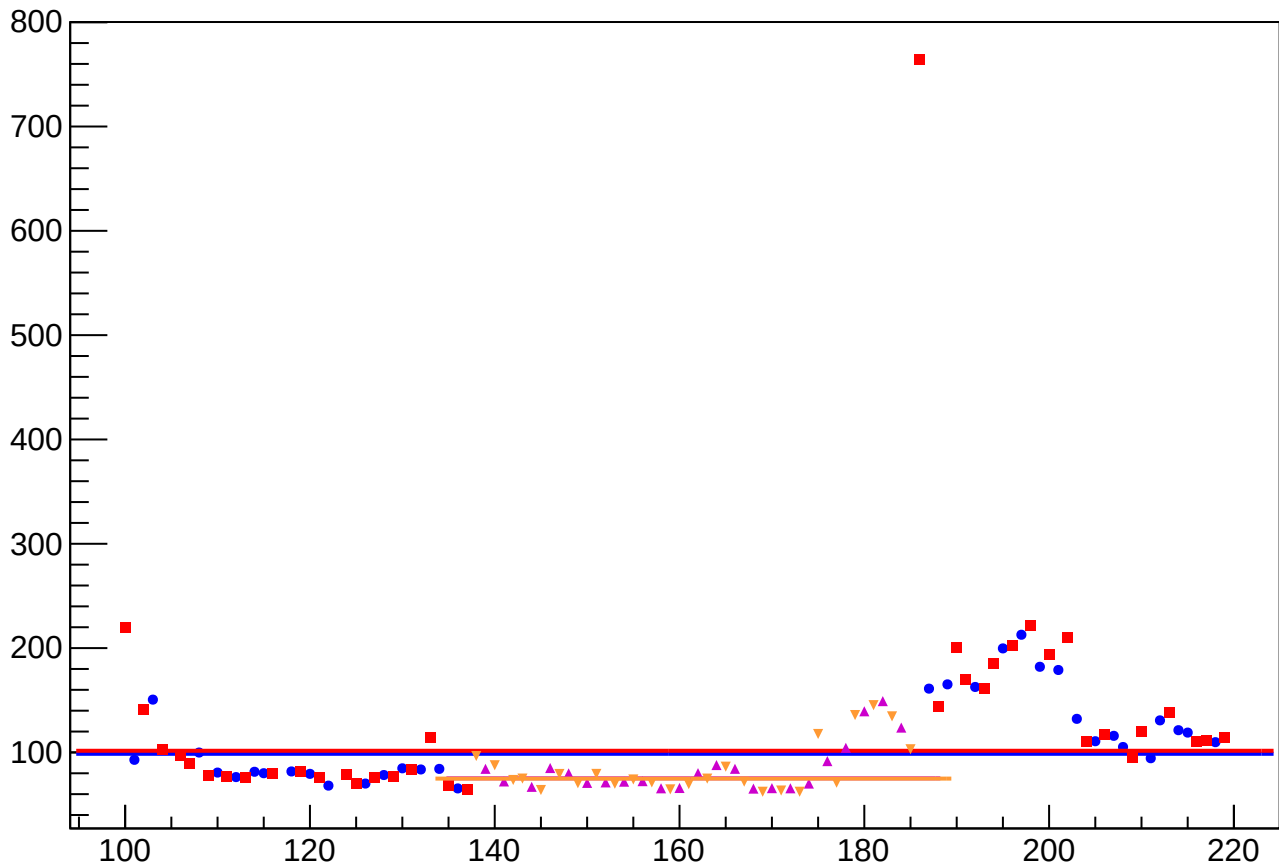
Left In: -61.723 ± 18.192 χ^2/NDF : 36.7/22

+ sign 19.156 ± 14.096 χ^2/NDF : 52.5/56

All: -10.100 ± 10.079 χ^2/NDF : 158.4/116

- sign -40.706 ± 14.418 χ^2/NDF : 97.1/59

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 98.677 $\pm$ 0.017 χ^2 /NDF: 3786880.6/31

Left Out: 74.903 $\pm$ 0.012 χ^2 /NDF:1661550.3/24

Right Out: 101.581 $\pm$ 0.017 χ^2 /NDF: 5003566.3/36

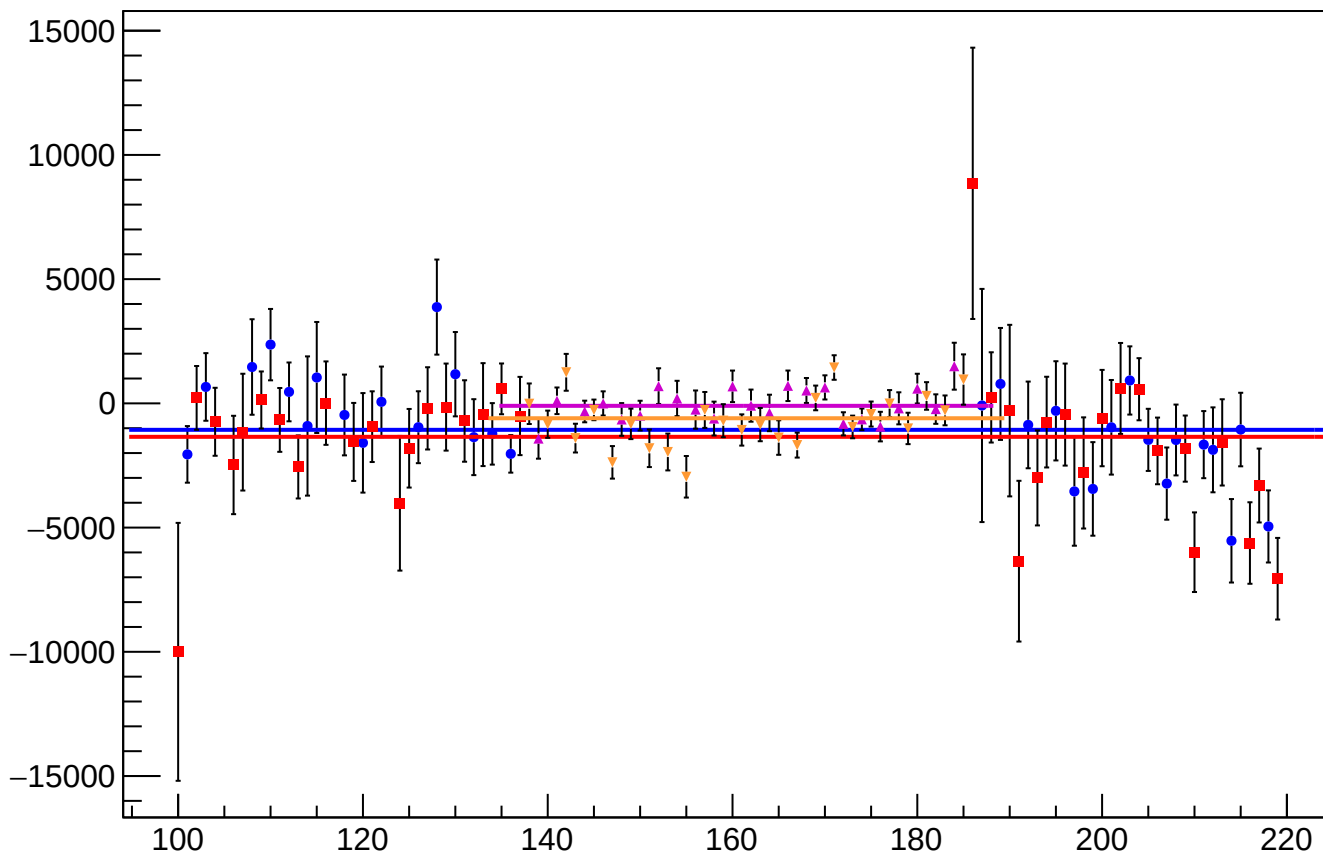
Left In: 75.156 $\pm$ 0.013 χ^2 /NDF:1312527.7/22

+ sign 83.546 $\pm$ 0.010 χ^2 /NDF: 6764692.5/56

All: 84.248 $\pm$ 0.007 χ^2 /NDF: 14660228.9/116

- sign 84.982 $\pm$ 0.010 χ^2 /NDF: 7885387.5/59

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug



Right In: -1065.122 ± 266.686 χ^2/NDF : 46.2/31

Left Out: -598.825 ± 119.324 χ^2/NDF : 65.0/24

Right Out: -1346.663 ± 269.080 χ^2/NDF : 55.8/36

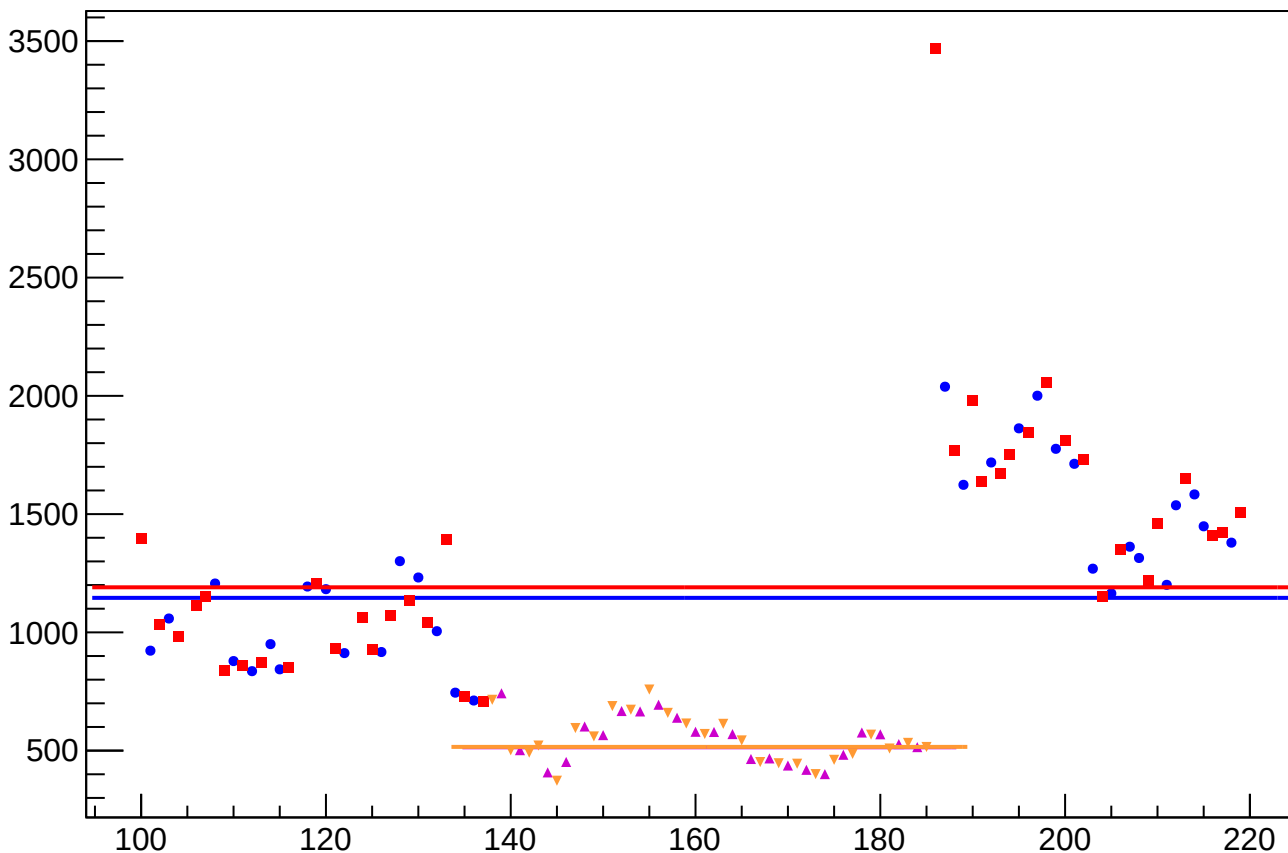
Left In: -99.101 ± 122.310 χ^2/NDF : 23.7/22

+ sign -676.604 ± 108.918 χ^2/NDF : 113.8/56

All: -498.678 ± 77.861 χ^2/NDF : 216.6/116

- sign -312.728 ± 111.347 χ^2/NDF : 97.3/59

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug



Right In: 1145.907 $\pm$ 0.189 χ^2 /NDF: 3161244.2/31

Left Out: 515.761 $\pm$ 0.084 χ^2 /NDF:1232481.1/24

+ sign 620.870 $\pm$ 0.077 χ^2 /NDF: 13697512.2/56

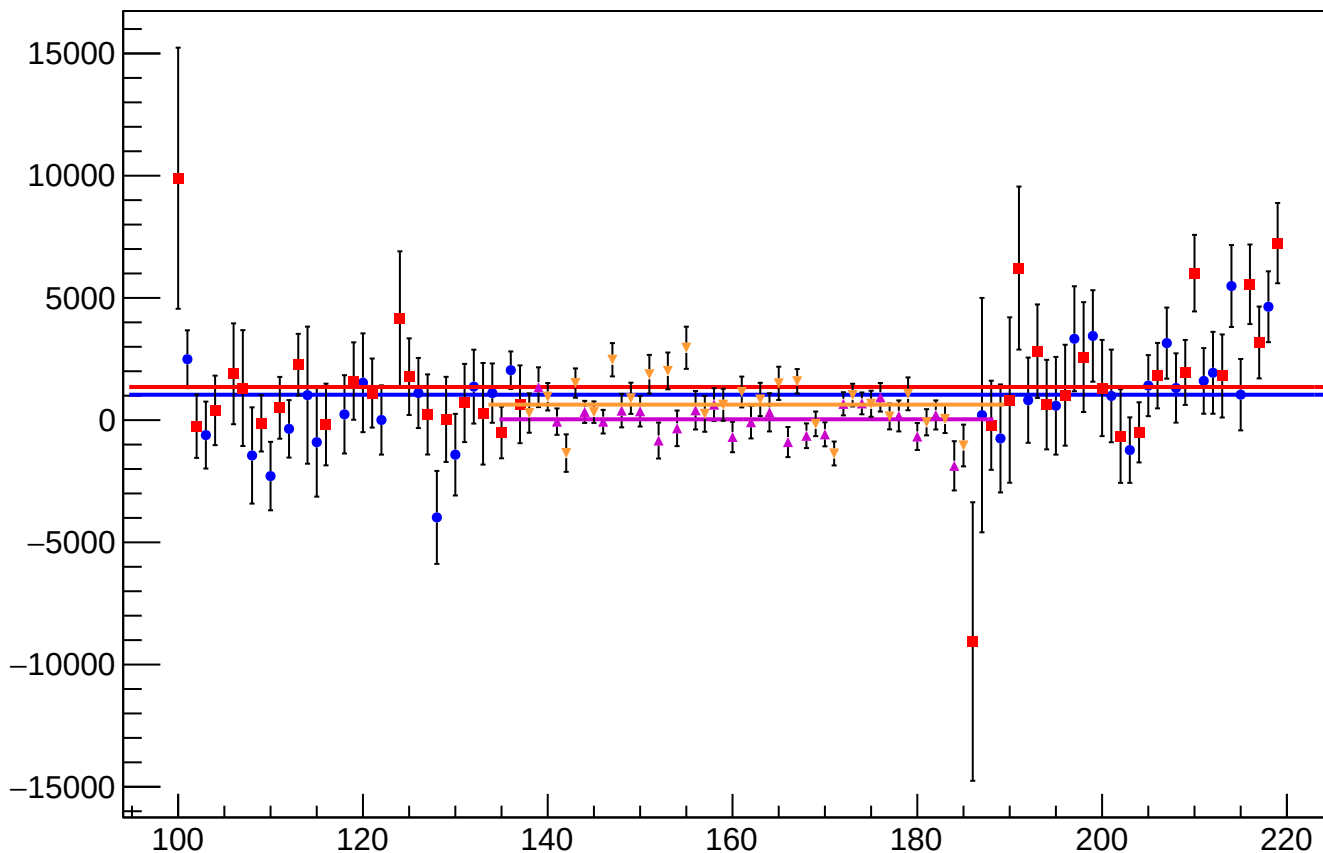
Right Out: 1190.500 $\pm$ 0.190 χ^2 /NDF: 3658445.8/36

All: 625.292 $\pm$ 0.055 χ^2 /NDF: 28953836.2/1

Left In: 514.087 $\pm$ 0.086 χ^2 /NDF:1116882.7/22

- sign 629.913 $\pm$ 0.079 χ^2 /NDF: 15249582.6/59

asym_sam_12345678_avg_mean vs Slug



Right In: 1039.337 $\pm$ 266.003 χ^2 /NDF: 46.4/31

Left Out: 634.783 $\pm$ 120.717 χ^2 /NDF: 64.5/24

Right Out: 1355.377 $\pm$ 269.672 χ^2 /NDF: 55.0/36

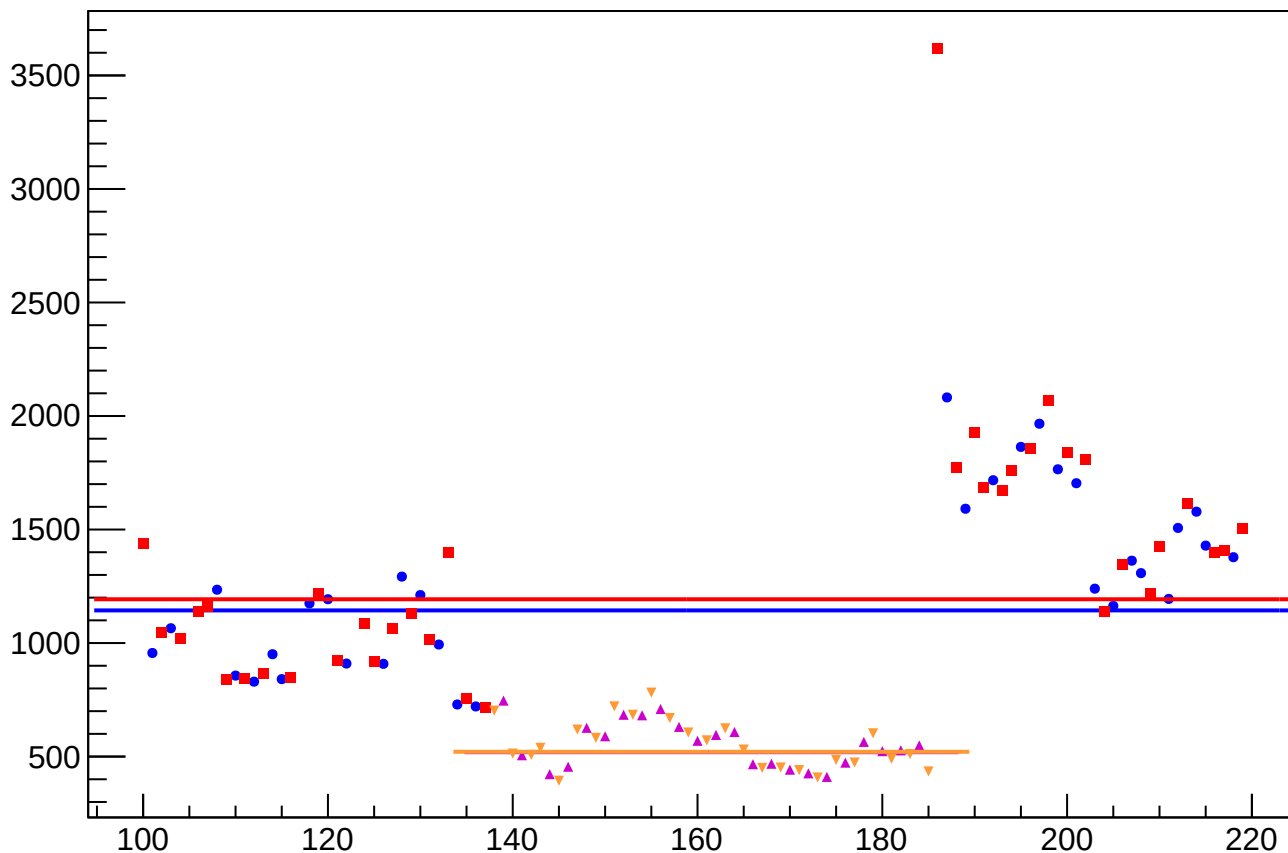
Left In: 34.808 $\pm$ 123.517 χ^2 /NDF: 25.1/22

+ sign 703.872 $\pm$ 109.927 χ^2 /NDF: 112.8/56

All: 488.536 $\pm$ 78.555 χ^2 /NDF: 220.6/116

- sign 263.809 $\pm$ 112.298 χ^2 /NDF: 99.9/59

asym_sam_12345678_avg_rms vs Slug



Right In: 1143.777 $\pm$ 0.188 χ^2 /NDF: 3089687.1/31

Left Out: 521.025 $\pm$ 0.085 χ^2 /NDF:1243003.9/24

Right Out: 1192.887 $\pm$ 0.191 χ^2 /NDF: 3639304.2/36

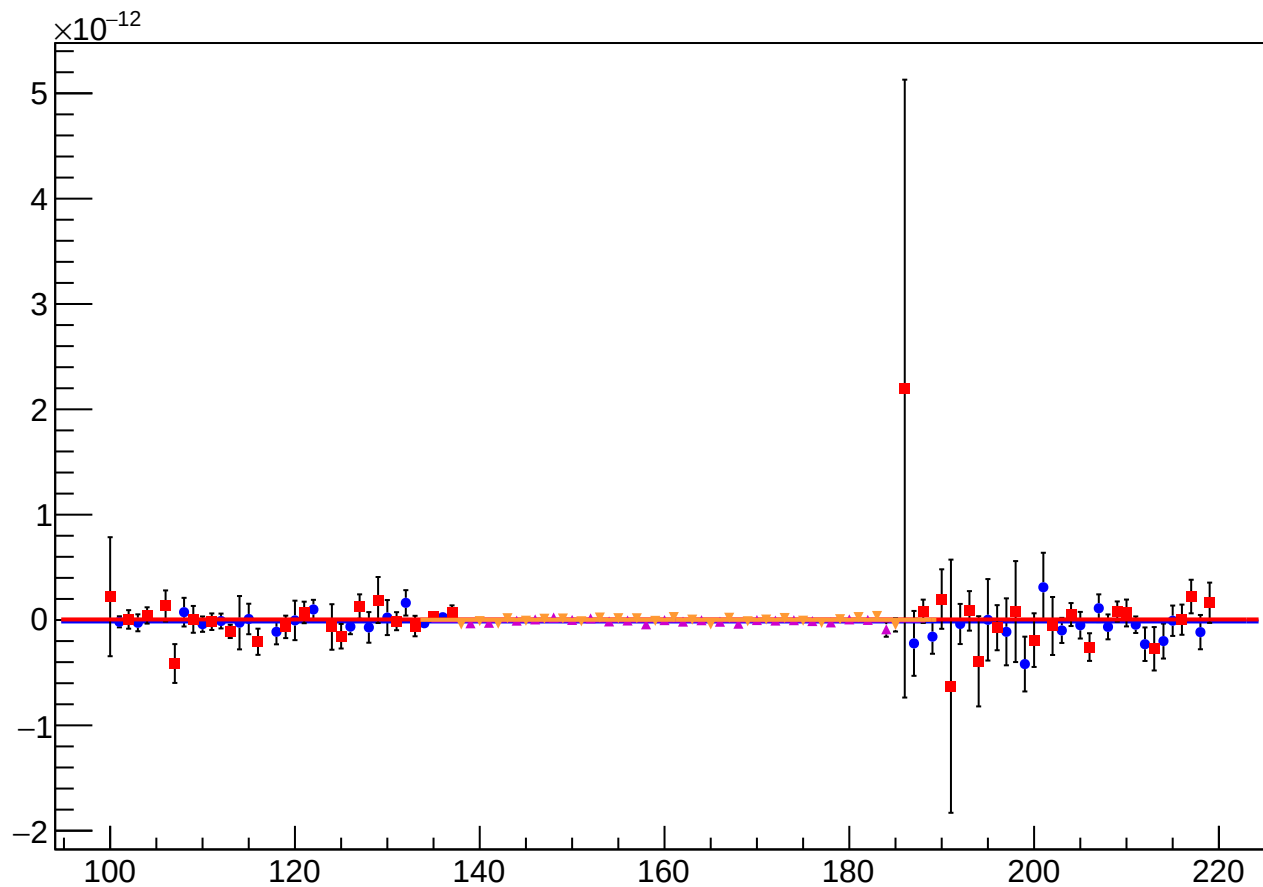
Left In: 519.239 $\pm$ 0.087 χ^2 /NDF:1100553.3/22

+ sign 627.377 $\pm$ 0.078 χ^2 /NDF: 13422540.1/56

All: 631.625 $\pm$ 0.056 χ^2 /NDF: 28484575.0/1

- sign 636.057 $\pm$ 0.079 χ^2 /NDF: 15055933.8/59

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.6/31

Left Out: 0.000 ± 0.000 χ^2/NDF : 22.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.5/36

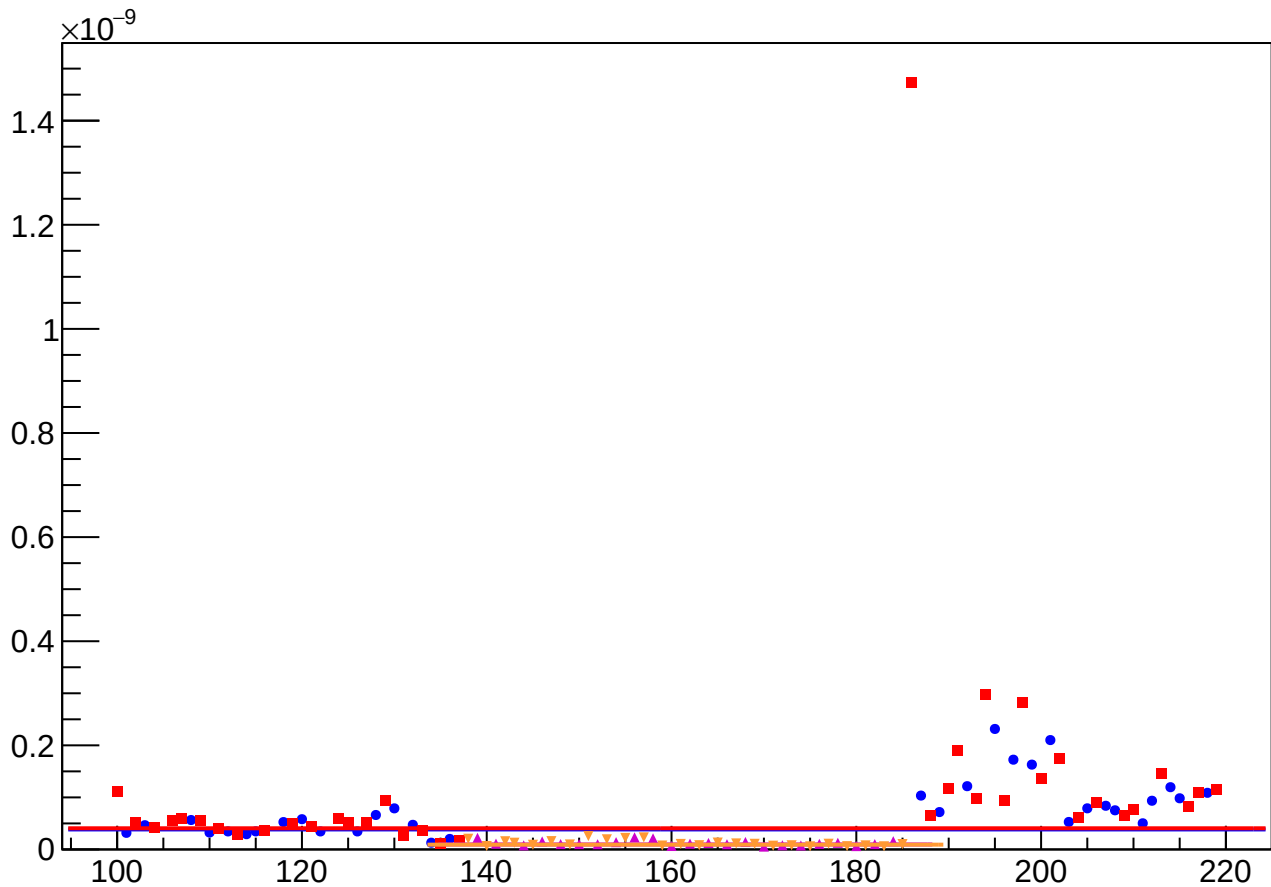
Left In: -0.000 ± 0.000 χ^2/NDF : 10.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 41.0/56

All: -0.000 ± 0.000 χ^2/NDF : 85.9/116

- sign -0.000 ± 0.000 χ^2/NDF : 43.6/59

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6350877.2/31

Left Out: 0.000+/-0.000 χ^2/NDF : 2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7397019.4/36

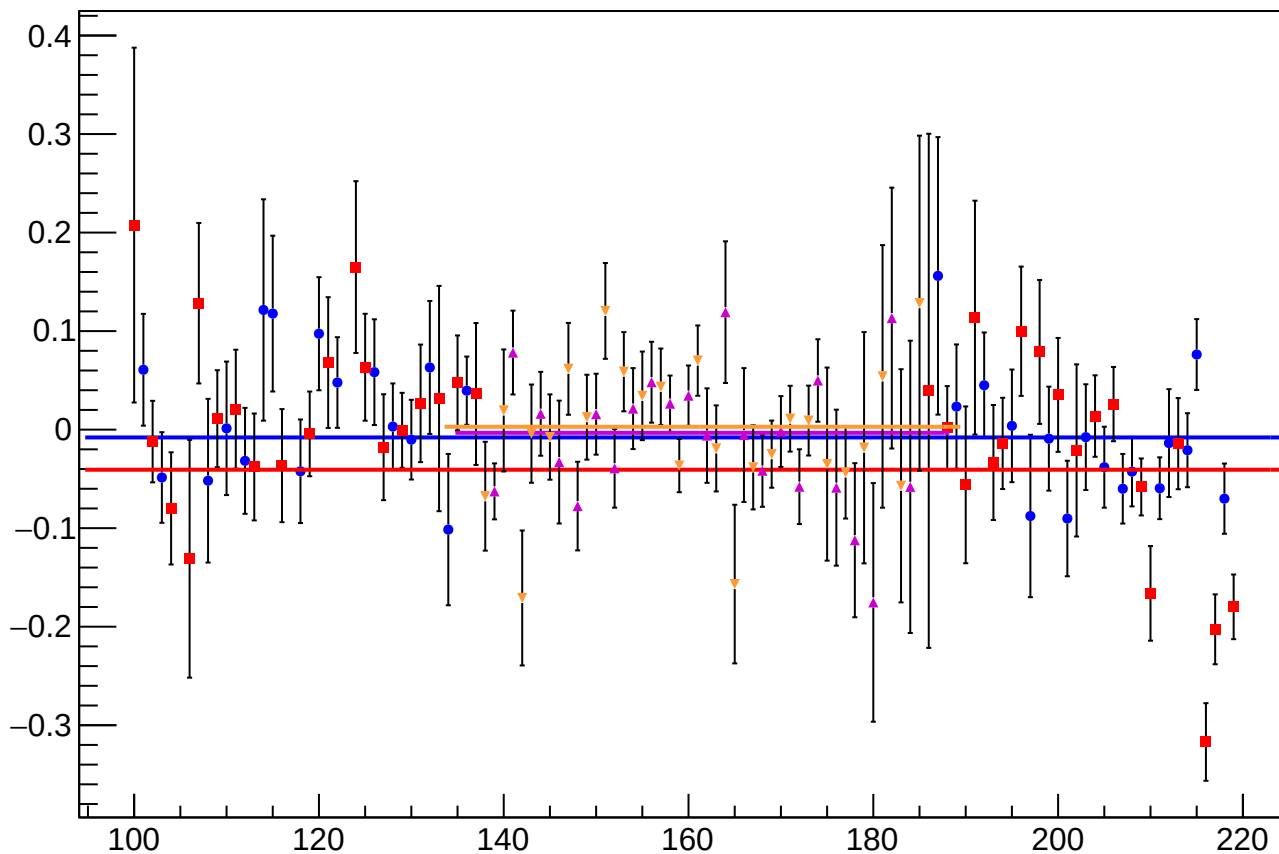
Left In: 0.000+/-0.000 χ^2/NDF : 1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 14771736.1/56

All: 0.000+/-0.000 χ^2/NDF : 29890558.5/116

- sign 0.000+/-0.000 χ^2/NDF : 15107709.3/59

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.009 χ^2/NDF : 38.5/31

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: -0.041 ± 0.008 χ^2/NDF : 142.6/36

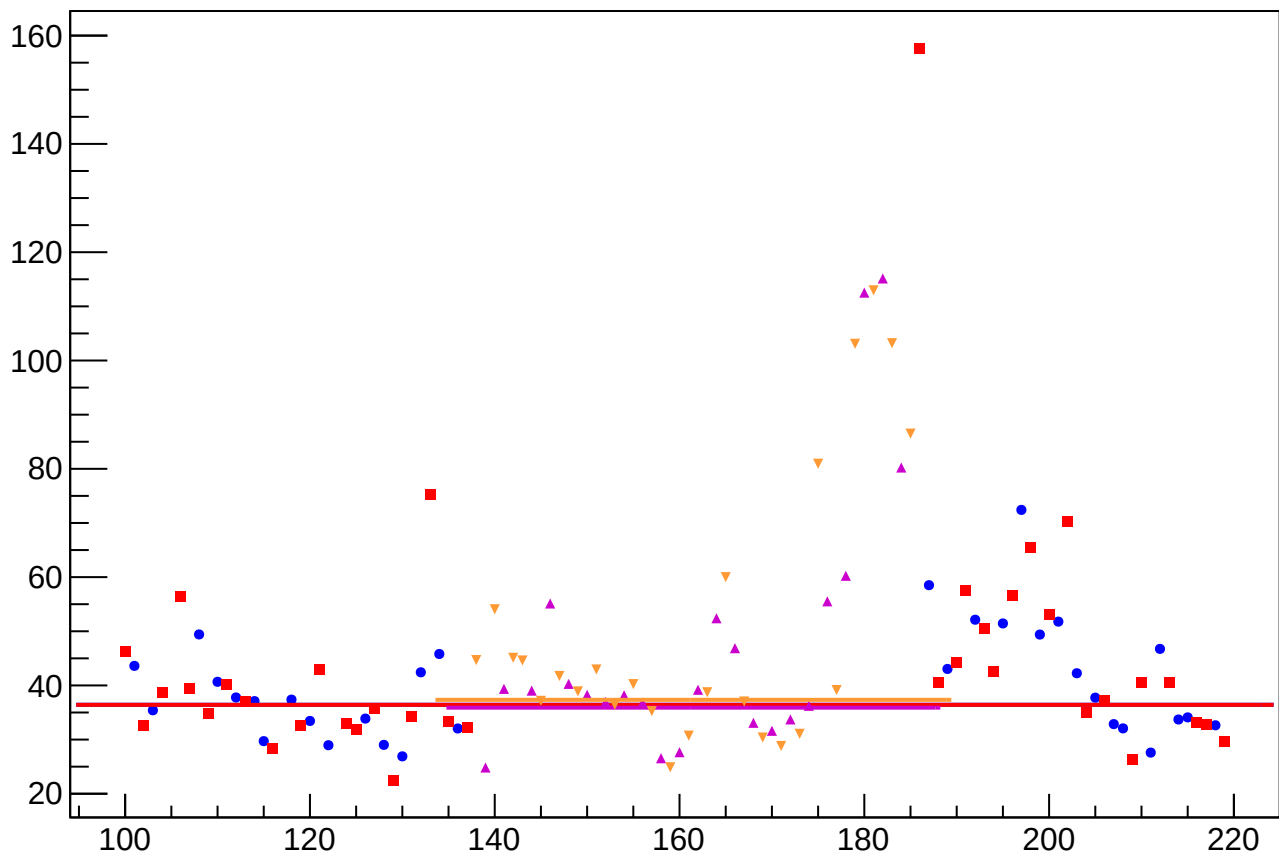
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign -0.003 ± 0.006 χ^2/NDF : 72.1/56

All: -0.013 ± 0.004 χ^2/NDF : 258.9/116

- sign -0.023 ± 0.006 χ^2/NDF : 181.5/59

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 36.432 $\pm$ 0.006 χ^2 /NDF: 1782409.2/31

Left Out: 37.344 $\pm$ 0.007 χ^2 /NDF: 3696647.0/24

Right Out: 36.414 $\pm$ 0.006 χ^2 /NDF: 2761922.7/36

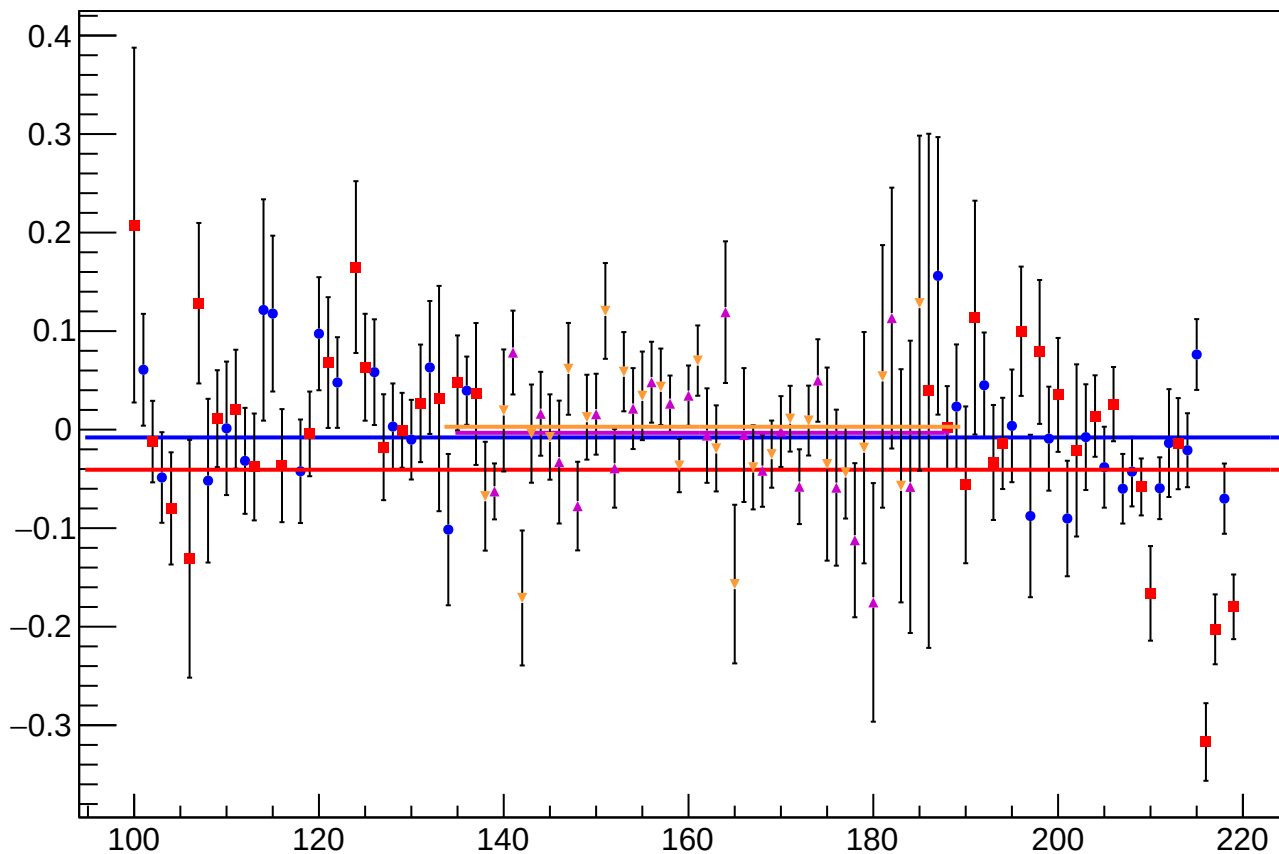
Left In: 35.896 $\pm$ 0.006 χ^2 /NDF: 3138291.6/22

+ sign 36.855 $\pm$ 0.004 χ^2 /NDF: 5489466.8/56

All: 36.510 $\pm$ 0.003 χ^2 /NDF: 11404901.6/116

- sign 36.175 $\pm$ 0.004 χ^2 /NDF: 5903663.5/59

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.009 χ^2/NDF : 38.5/31

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: -0.041 ± 0.008 χ^2/NDF : 142.6/36

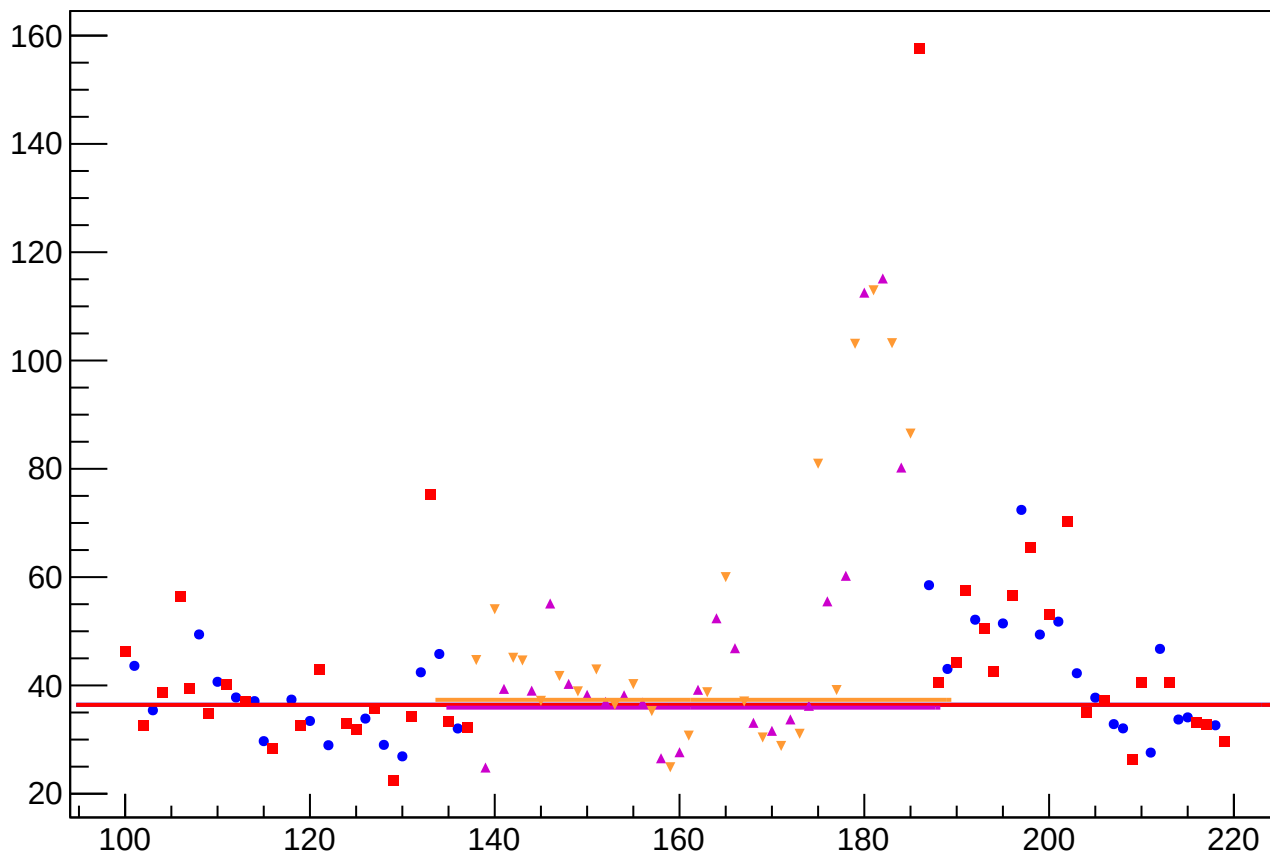
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign -0.003 ± 0.006 χ^2/NDF : 72.1/56

All: -0.013 ± 0.004 χ^2/NDF : 258.9/116

- sign -0.023 ± 0.006 χ^2/NDF : 181.5/59

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.432 $\pm$ 0.006 χ^2 /NDF: 1782409.2/31

Left Out: 37.344 $\pm$ 0.007 χ^2 /NDF: 3696647.0/24

Right Out: 36.414 $\pm$ 0.006 χ^2 /NDF: 2761922.7/36

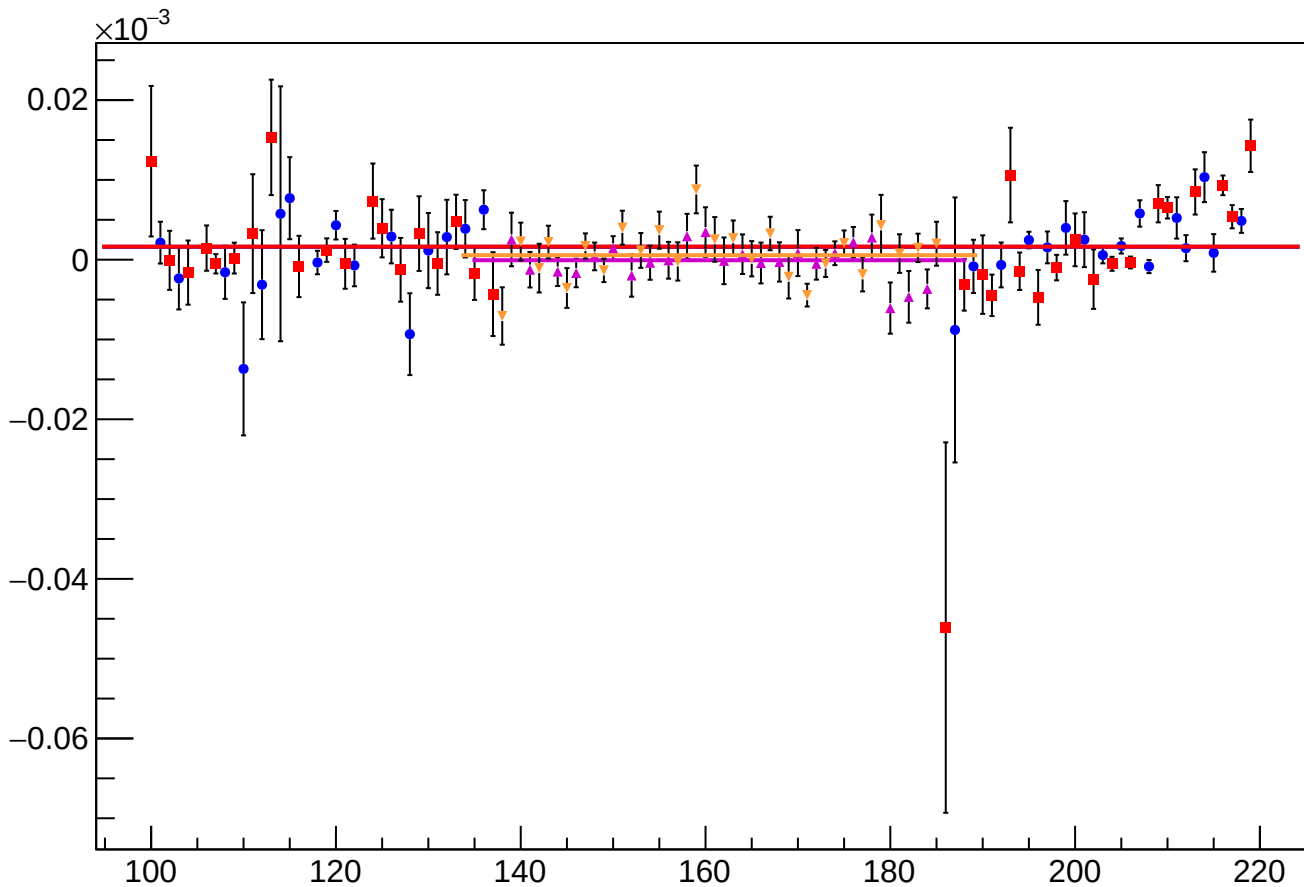
Left In: 35.896 $\pm$ 0.006 χ^2 /NDF: 3138291.6/22

+ sign 36.855 $\pm$ 0.004 χ^2 /NDF: 5489466.8/56

All: 36.510 $\pm$ 0.003 χ^2 /NDF: 11404901.6/116

- sign 36.175 $\pm$ 0.004 χ^2 /NDF: 5903663.5/59

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 54.7/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:43.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 138.2/36

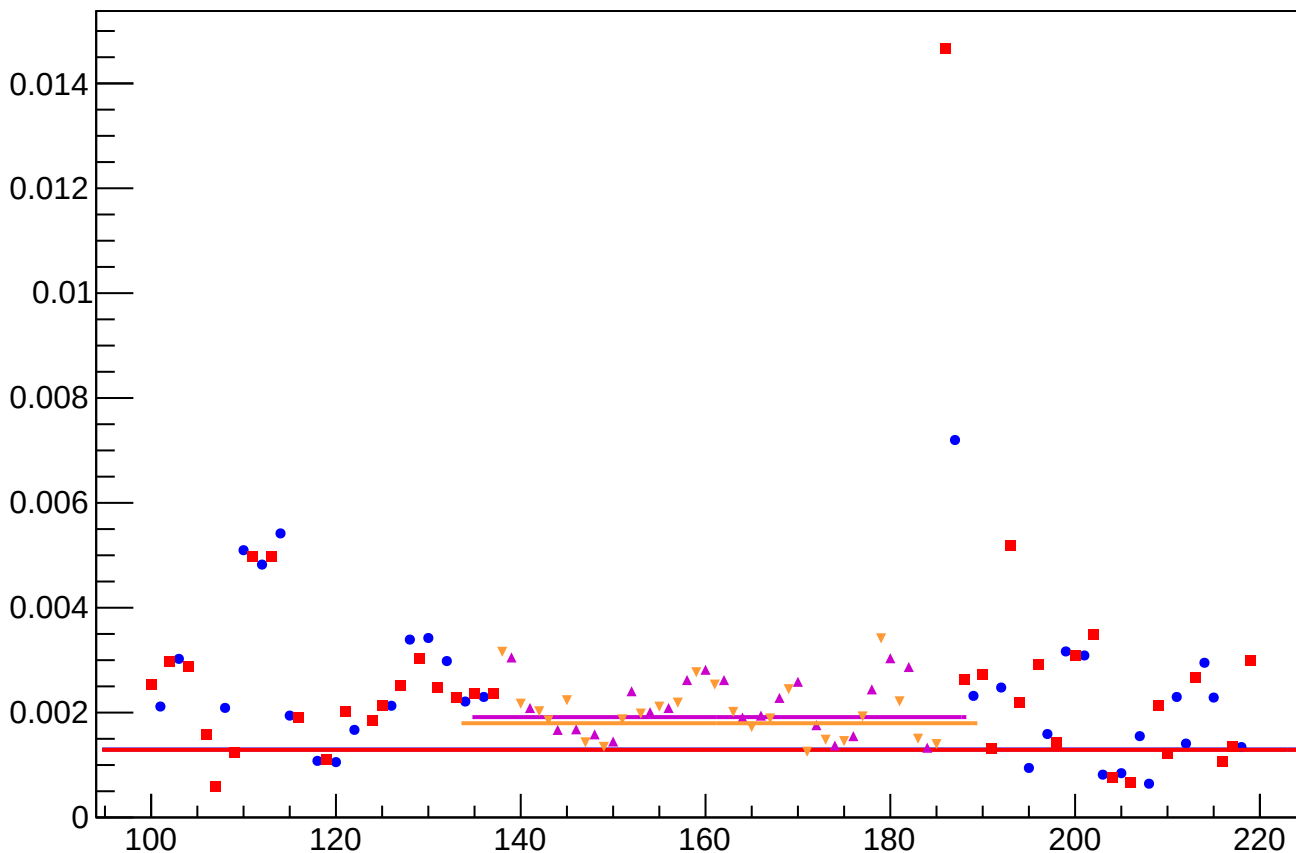
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:16.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 102.0/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 266.0/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 163.9/59

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9167219.2/31

Left Out: 0.002+/-0.000 χ^2/NDF :2279340.7/24

Right Out: 0.001+/-0.000 χ^2/NDF : 11494569.5/36

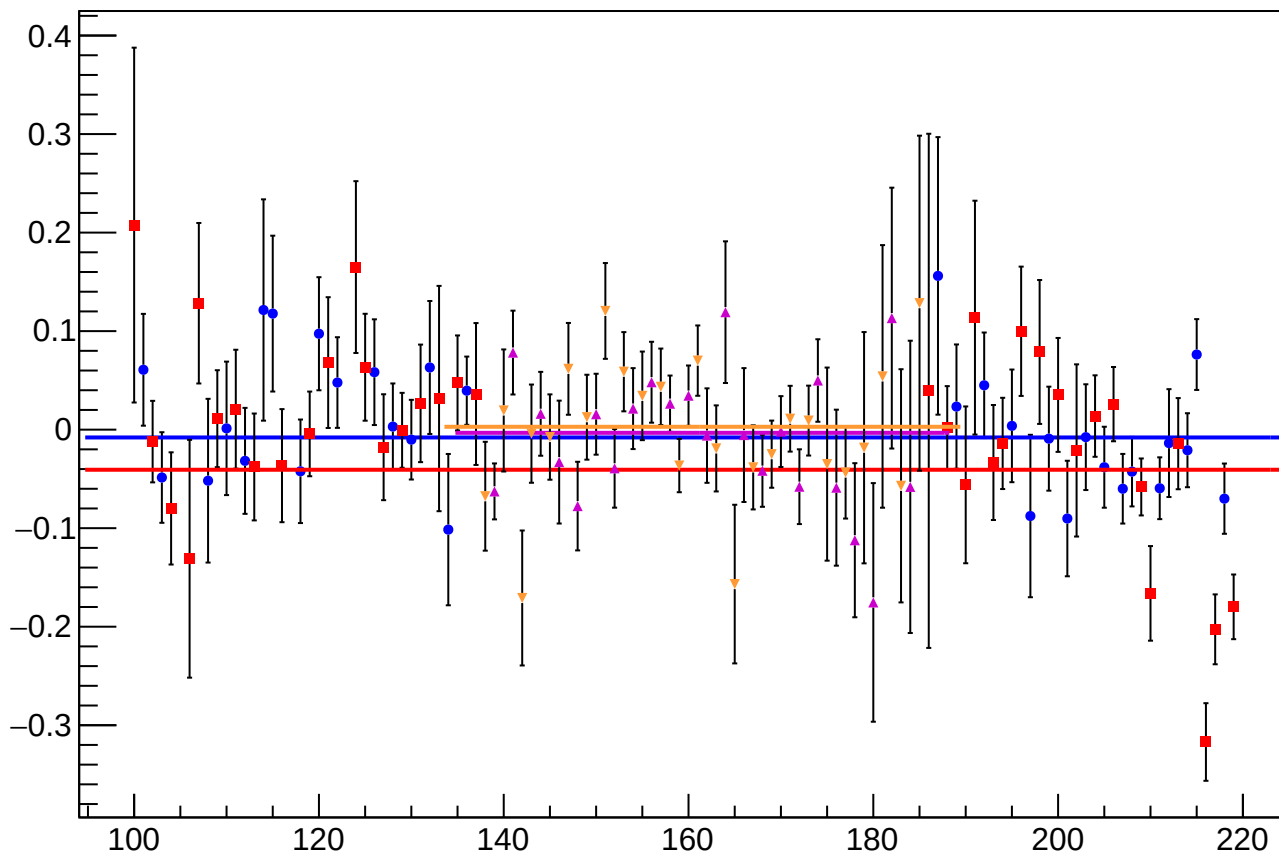
Left In: 0.002+/-0.000 χ^2/NDF :2171715.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 13130074.1/56

All: 0.001+/-0.000 χ^2/NDF : 29155110.1/116

- sign 0.002+/-0.000 χ^2/NDF : 16023477.8/59

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.009 χ^2/NDF : 38.5/31

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: -0.041 ± 0.008 χ^2/NDF : 142.6/36

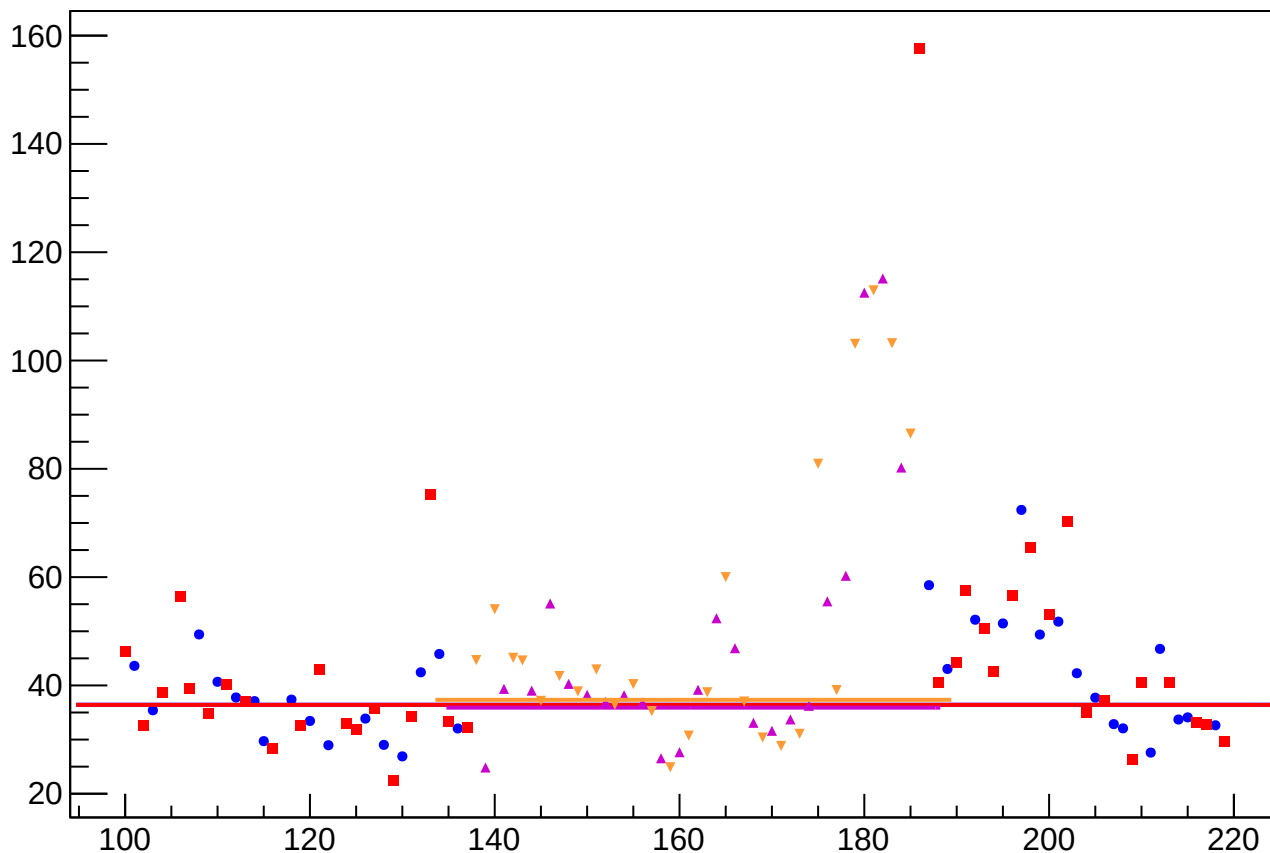
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign -0.003 ± 0.006 χ^2/NDF : 72.1/56

All: -0.013 ± 0.004 χ^2/NDF : 258.9/116

- sign -0.023 ± 0.006 χ^2/NDF : 181.4/59

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.431 $\pm$ 0.006 χ^2 /NDF: 1782445.3/31

Left Out: 37.344 $\pm$ 0.007 χ^2 /NDF: 3696697.3/24

Right Out: 36.414 $\pm$ 0.006 χ^2 /NDF: 2762002.7/36

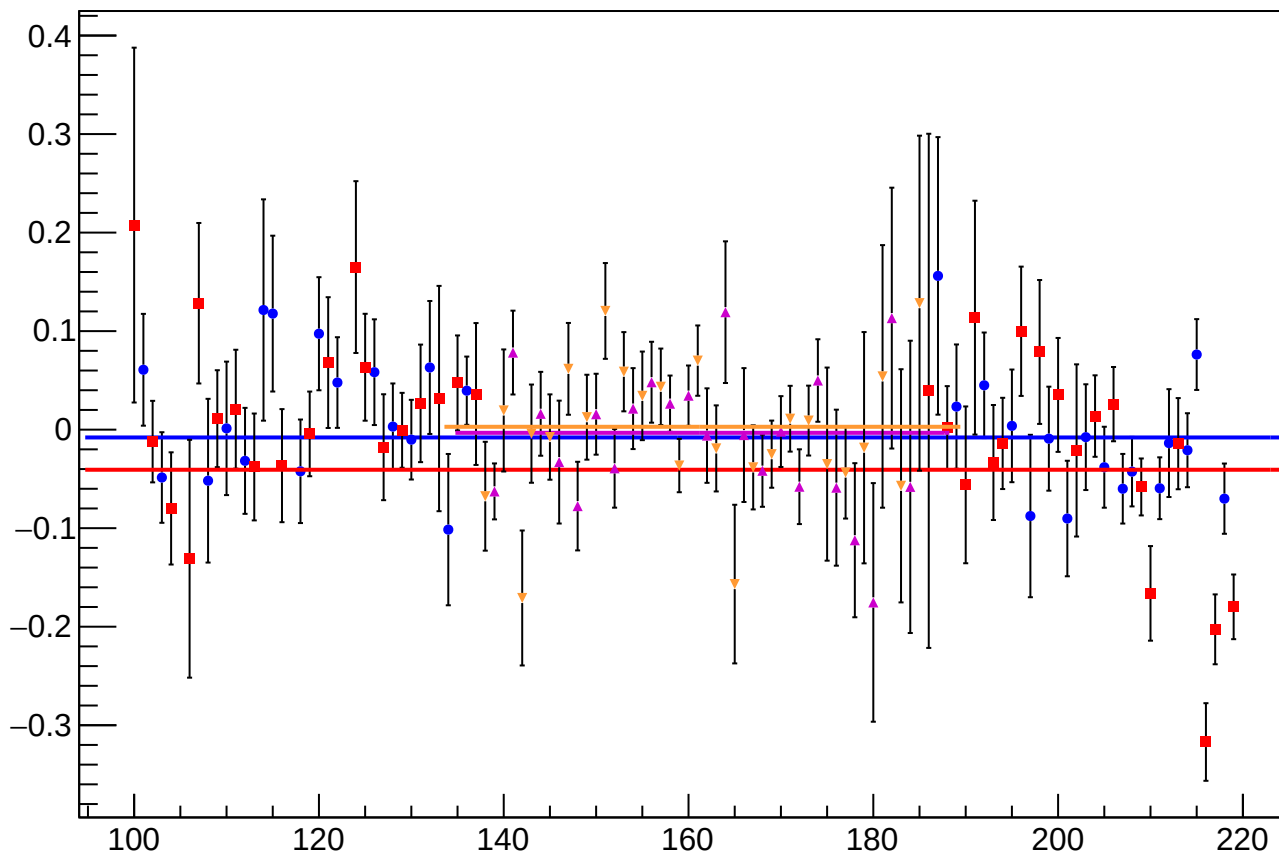
Left In: 35.896 $\pm$ 0.006 χ^2 /NDF: 3138307.4/22

+ sign 36.855 $\pm$ 0.004 χ^2 /NDF: 5489566.3/56

All: 36.510 $\pm$ 0.003 χ^2 /NDF: 11405085.8/116

- sign 36.175 $\pm$ 0.004 χ^2 /NDF: 5903750.8/59

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.009 χ^2/NDF : 38.5/31

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: -0.041 ± 0.008 χ^2/NDF : 142.6/36

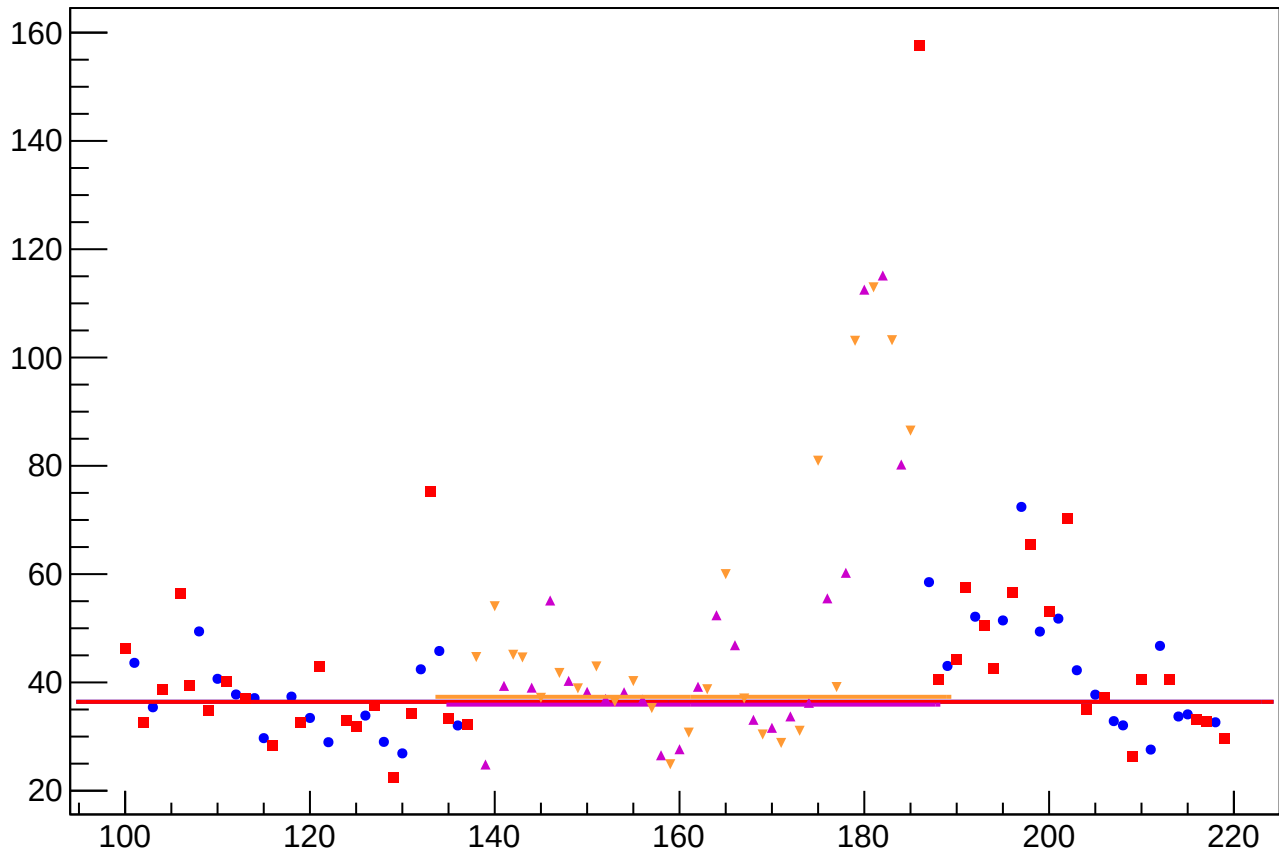
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign -0.003 ± 0.006 χ^2/NDF : 72.1/56

All: -0.013 ± 0.004 χ^2/NDF : 258.9/116

- sign -0.023 ± 0.006 χ^2/NDF : 181.4/59

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.431 $\pm$ 0.006 χ^2 /NDF: 1782445.3/31

Left Out: 37.344 $\pm$ 0.007 χ^2 /NDF: 3696697.3/24

Right Out: 36.414 $\pm$ 0.006 χ^2 /NDF: 2762002.7/36

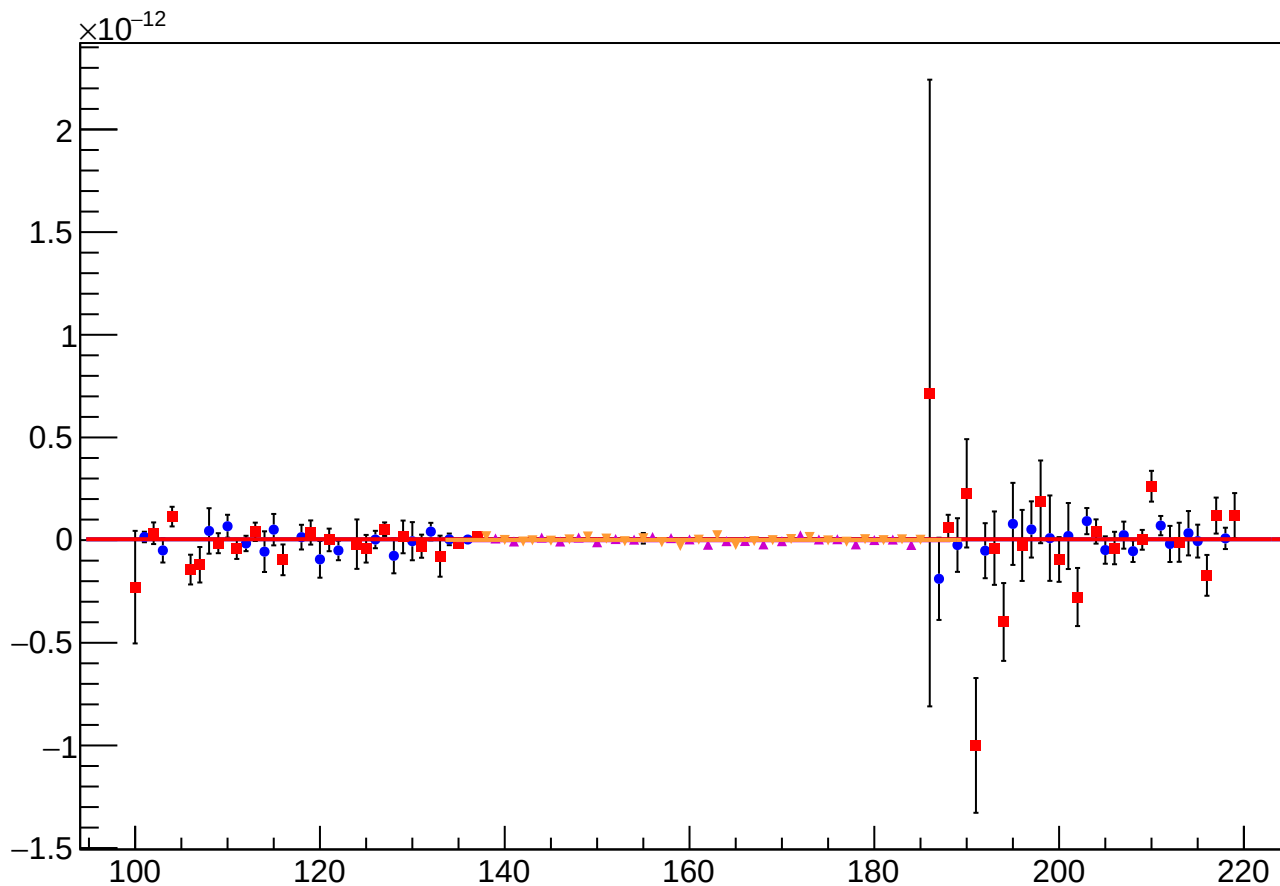
Left In: 35.896 $\pm$ 0.006 χ^2 /NDF: 3138307.4/22

+ sign 36.855 $\pm$ 0.004 χ^2 /NDF: 5489566.3/56

All: 36.510 $\pm$ 0.003 χ^2 /NDF: 11405085.8/116

- sign 36.175 $\pm$ 0.004 χ^2 /NDF: 5903750.8/59

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/31

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:21.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 61.4/36

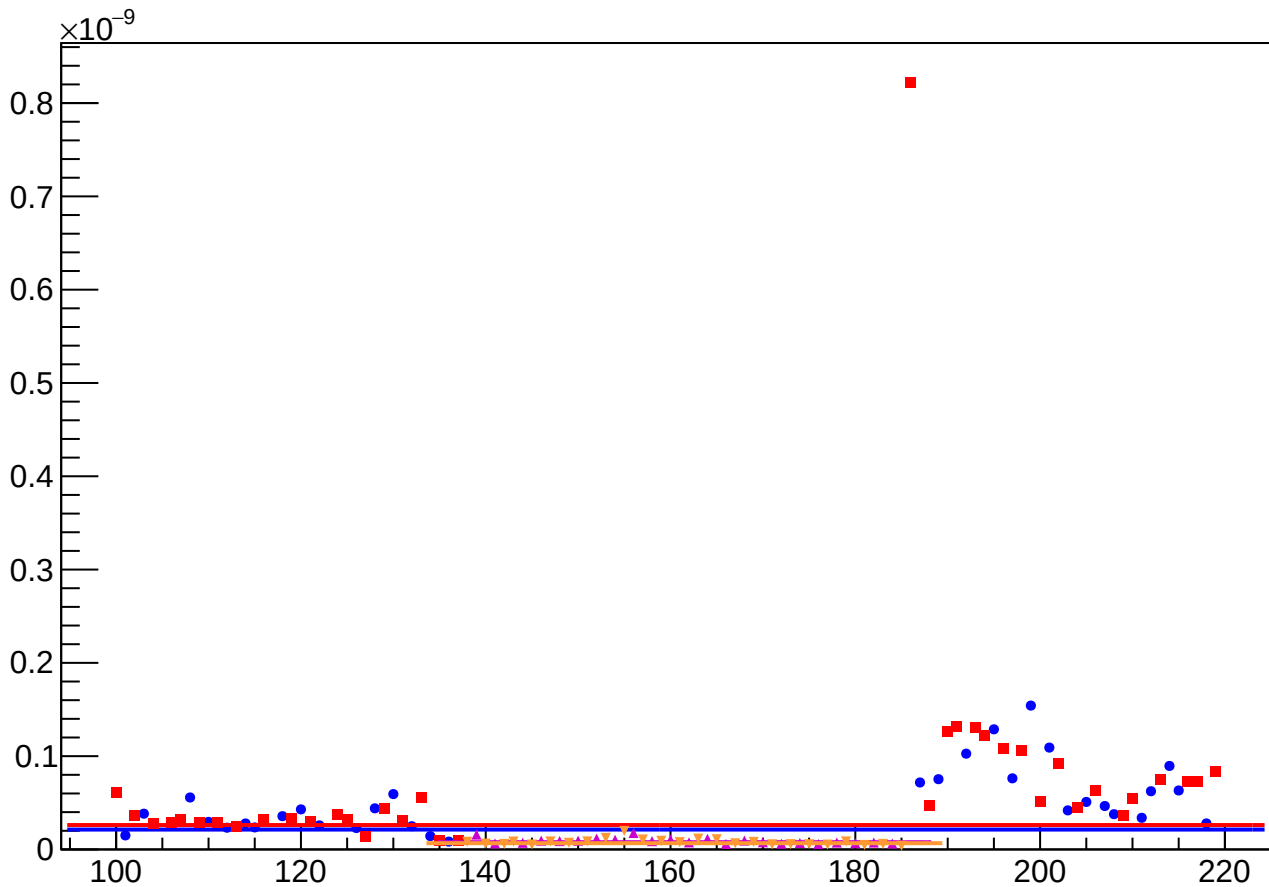
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:29.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.7/56

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 127.8/116

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 90.9/59

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 10144153.7/31

Left Out: 0.000+/-0.000 χ^2 /NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 10223326.8/36

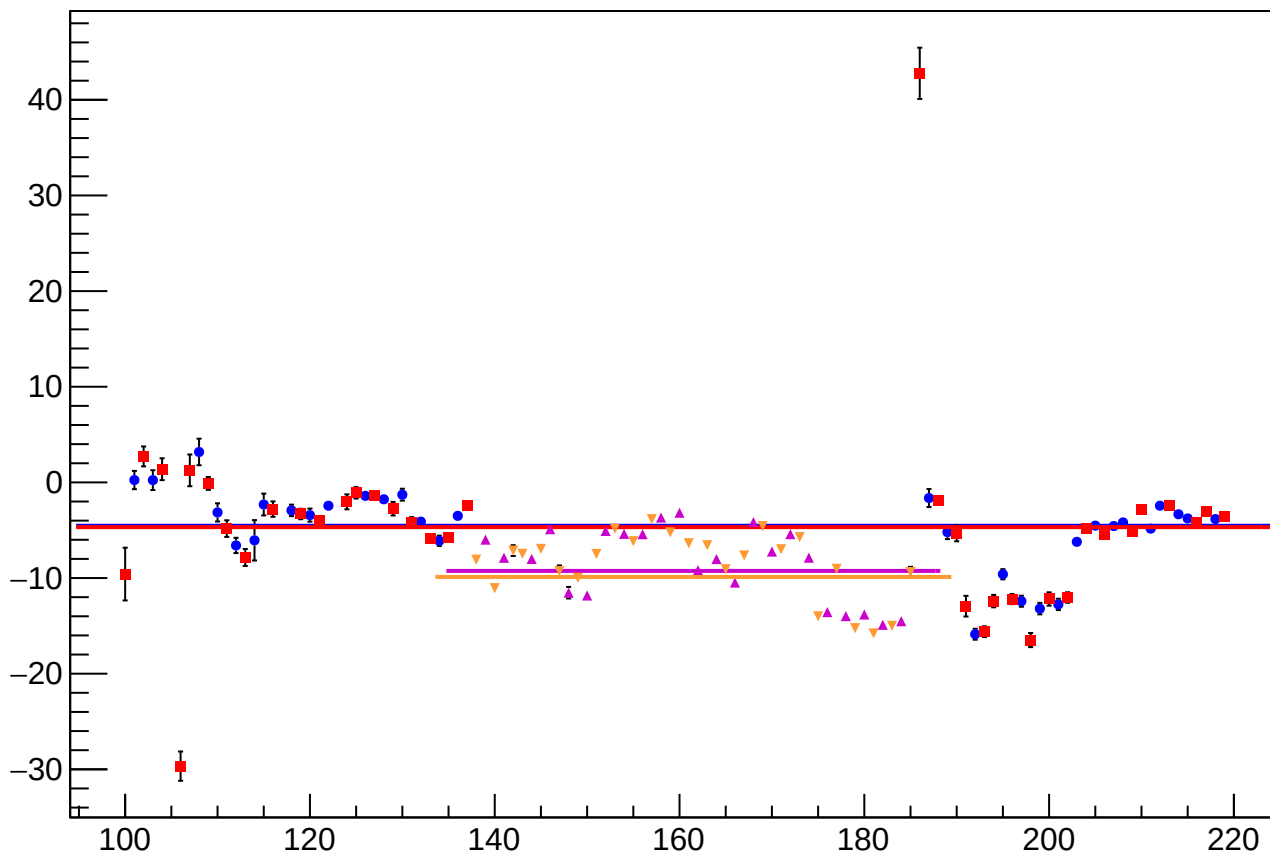
Left In: 0.000+/-0.000 χ^2 /NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2 /NDF: 18637164.1/56

All: 0.000+/-0.000 χ^2 /NDF: 38201224.6/116

- sign 0.000+/-0.000 χ^2 /NDF: 19212130.9/59

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.535 ± 0.080 χ^2/NDF : 1406.8/31

Left Out: -9.886 ± 0.070 χ^2/NDF : 3206.9/24

Right Out: -4.680 ± 0.079 χ^2/NDF : 2446.4/36

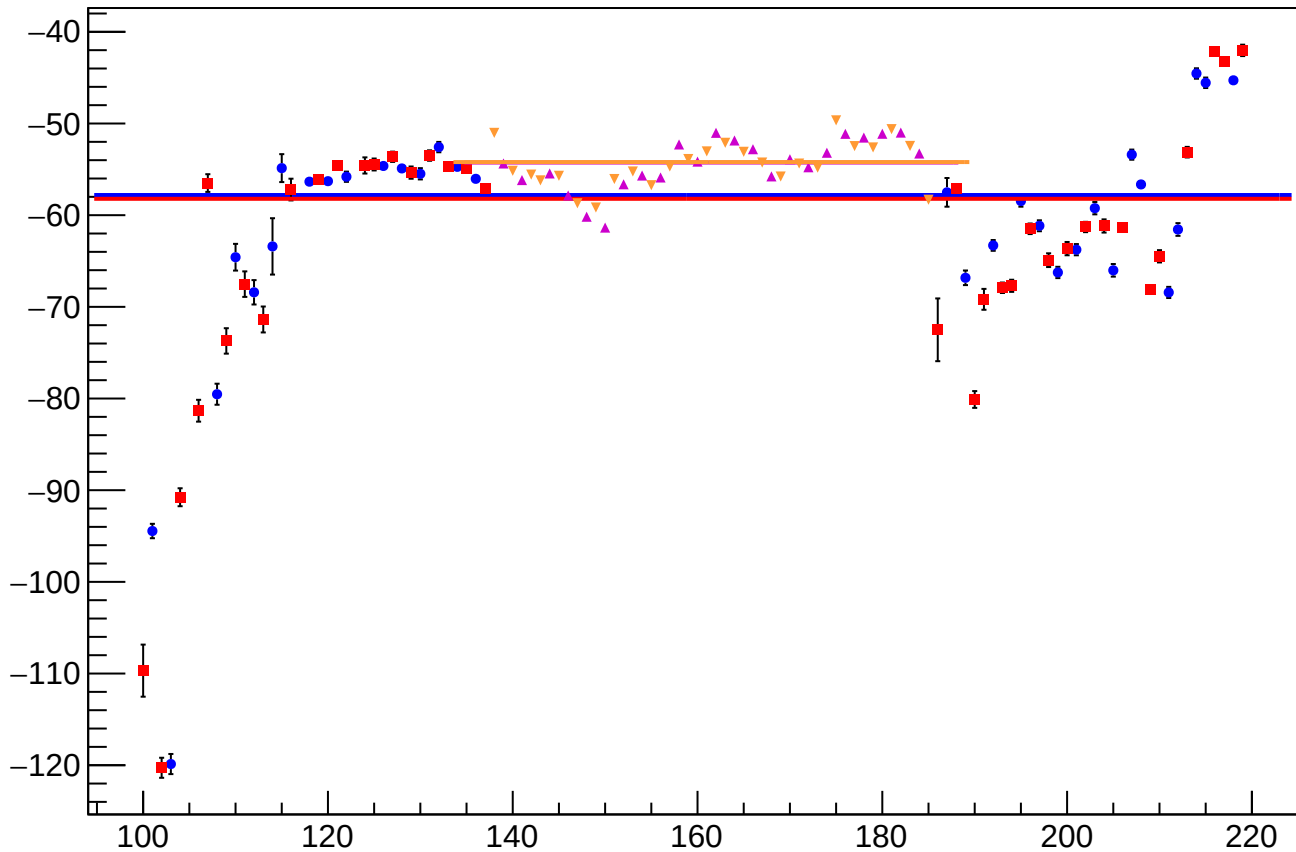
Left In: -9.255 ± 0.072 χ^2/NDF : 3067.6/22

+ sign -7.583 ± 0.052 χ^2/NDF : 7162.6/56

All: -7.394 ± 0.037 χ^2/NDF : 14535.2/116

- sign -7.200 ± 0.053 χ^2/NDF : 7346.3/59

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.801 ± 0.102 χ^2/NDF : 8990.7/31

Left Out: -54.206 ± 0.056 χ^2/NDF : 1857.6/24

Right Out: -58.213 ± 0.101 χ^2/NDF : 10177.8/36

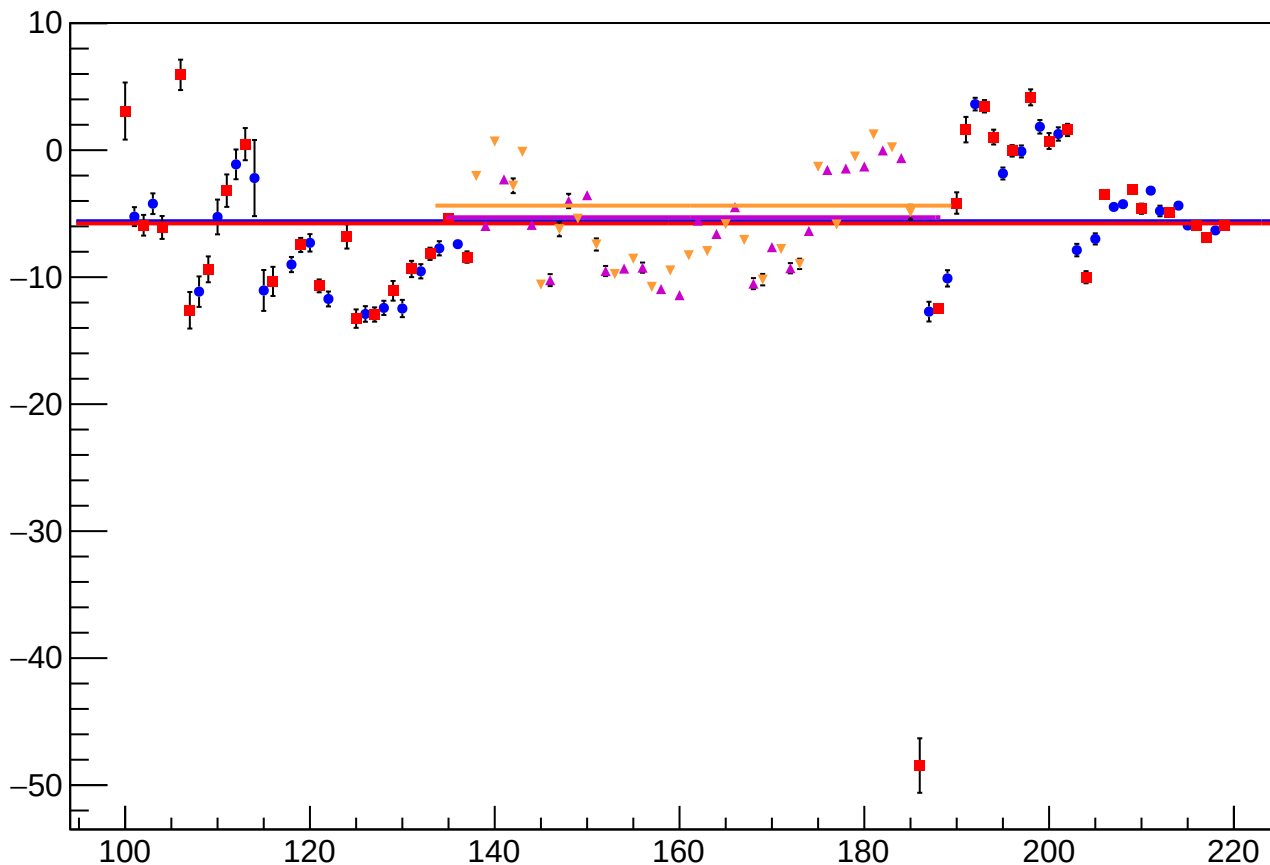
Left In: -54.257 ± 0.058 χ^2/NDF : 2489.9/22

+ sign -55.040 ± 0.049 χ^2/NDF : 11809.3/56

All: -55.138 ± 0.035 χ^2/NDF : 25633.3/116

- sign -55.244 ± 0.051 χ^2/NDF : 13815.6/59

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -5.597 ± 0.082 χ^2/NDF : 1899.1/31

Left Out: -4.366 ± 0.069 χ^2/NDF : 3701.4/24

Right Out: -5.765 ± 0.082 χ^2/NDF : 3287.8/36

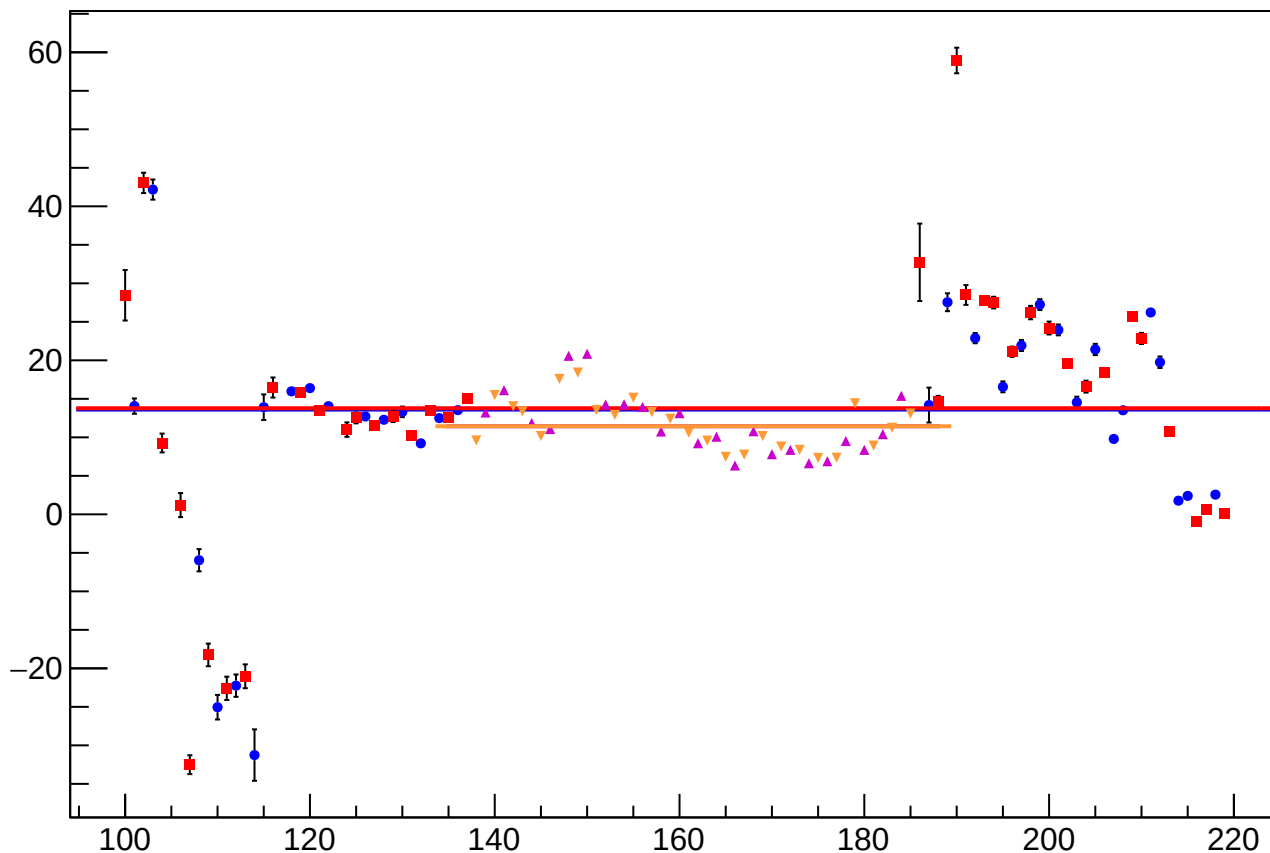
Left In: -5.283 ± 0.071 χ^2/NDF : 2750.2/22

+ sign -4.876 ± 0.053 χ^2/NDF : 5731.3/56

All: -5.180 ± 0.038 χ^2/NDF : 11855.8/116

- sign -5.491 ± 0.054 χ^2/NDF : 6057.9/59

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 13.607 $\pm$ 0.112 χ^2 /NDF: 5124.2/31

Left Out: 11.438 $\pm$ 0.062 χ^2 /NDF: 2435.7/24

Right Out: 13.776 $\pm$ 0.113 χ^2 /NDF: 8384.2/36

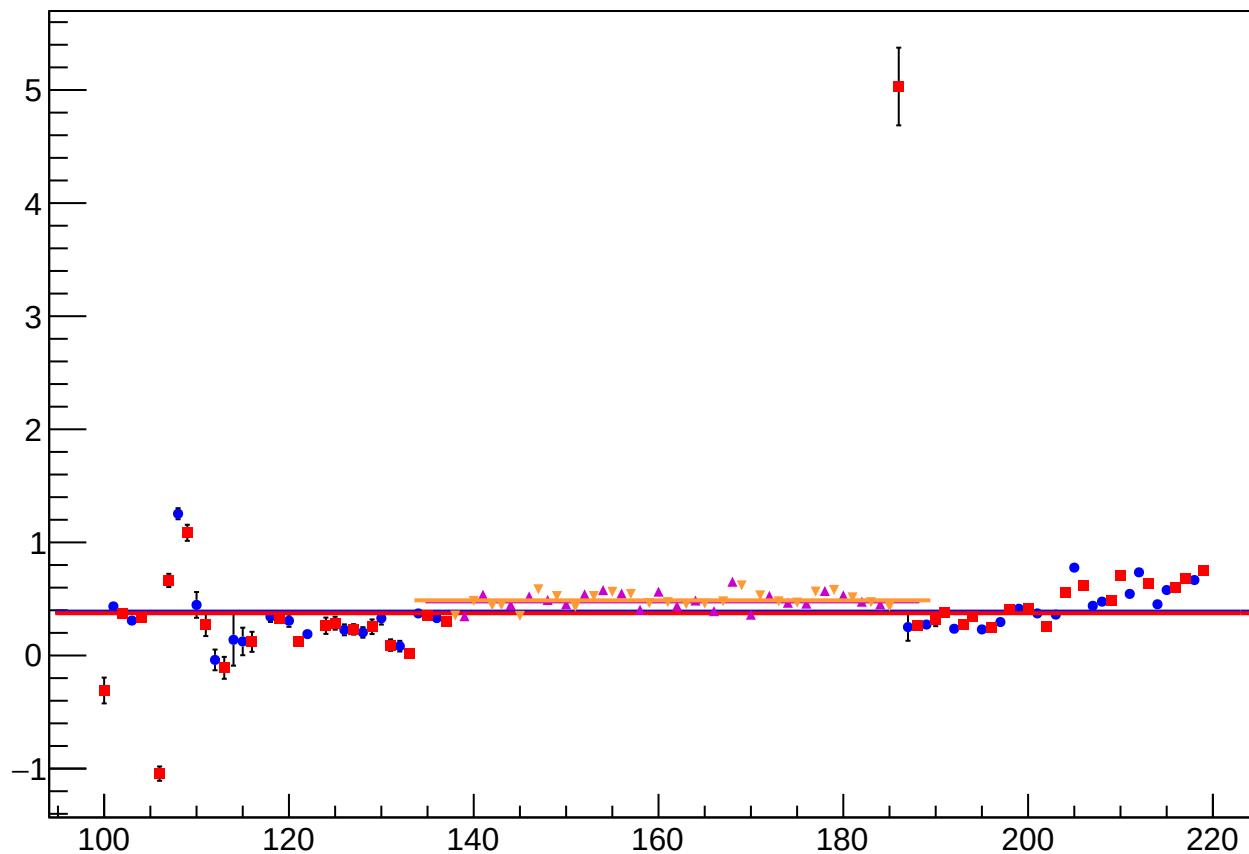
Left In: 11.441 $\pm$ 0.064 χ^2 /NDF: 3358.4/22

+ sign 11.944 $\pm$ 0.054 χ^2 /NDF: 7845.5/56

All: 11.975 $\pm$ 0.039 χ^2 /NDF: 19909.8/116

- sign 12.008 $\pm$ 0.056 χ^2 /NDF: 12063.7/59

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.388 ± 0.005 χ^2/NDF : 1041.8/31

Left Out: 0.488 ± 0.003 χ^2/NDF : 539.4/24

Right Out: 0.374 ± 0.005 χ^2/NDF : 1785.4/36

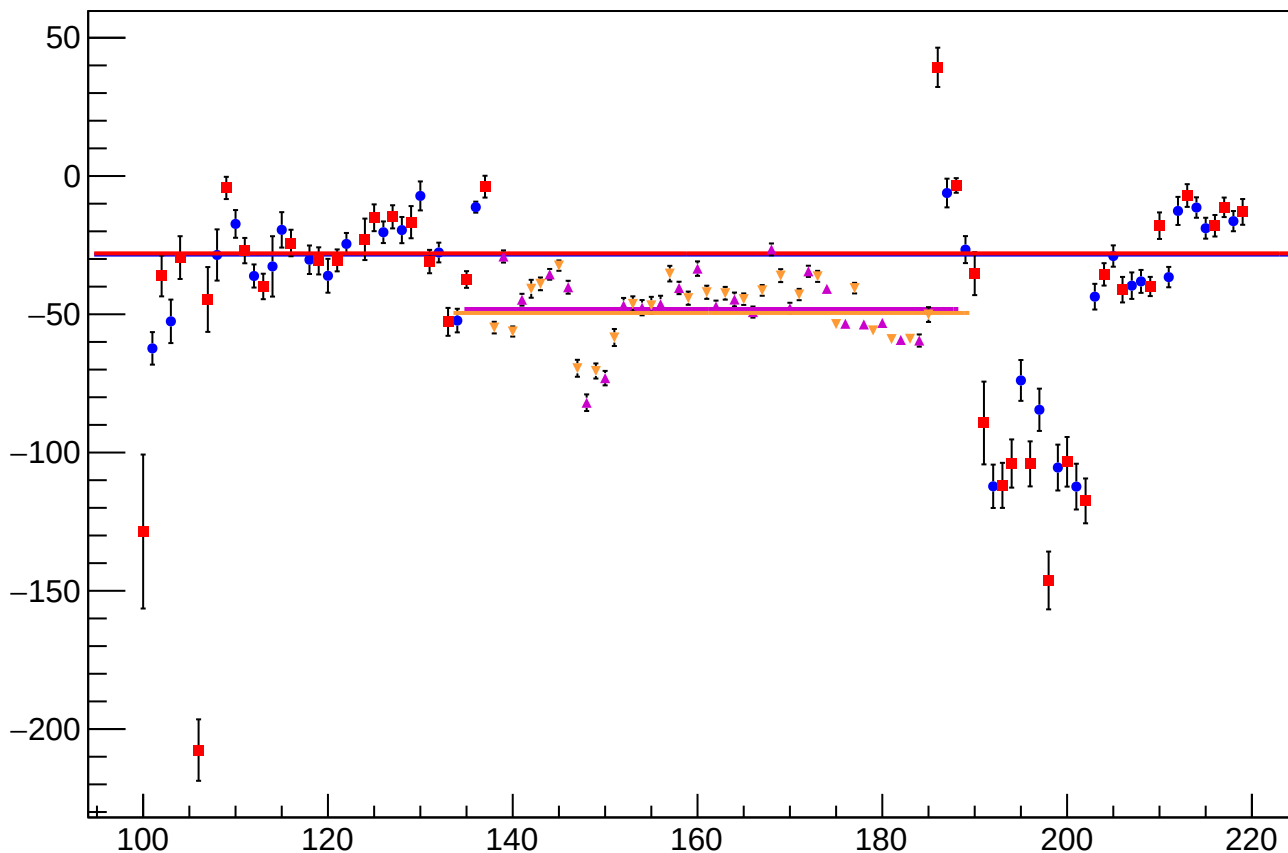
Left In: 0.478 ± 0.003 χ^2/NDF : 798.2/22

+ sign 0.465 ± 0.002 χ^2/NDF : 1884.6/56

All: 0.460 ± 0.002 χ^2/NDF : 4800.9/116

- sign 0.455 ± 0.002 χ^2/NDF : 2907.4/59

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -28.413 ± 0.802 χ^2/NDF : 674.2/31

Left Out: -49.516 ± 0.402 χ^2/NDF : 576.3/24

Right Out: -27.971 ± 0.810 χ^2/NDF : 1290.0/36

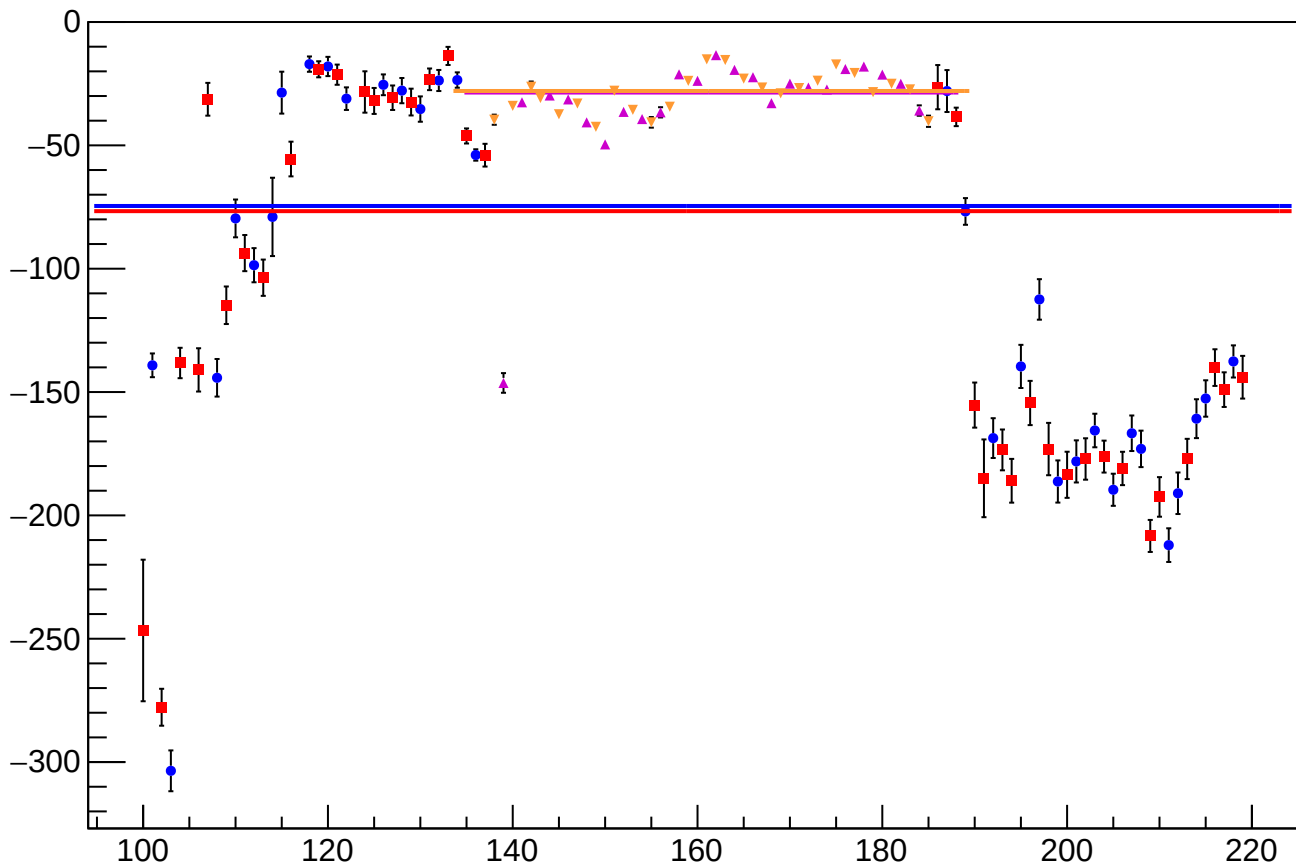
Left In: -48.087 ± 0.418 χ^2/NDF : 706.2/22

+ sign -45.276 ± 0.360 χ^2/NDF : 1803.1/56

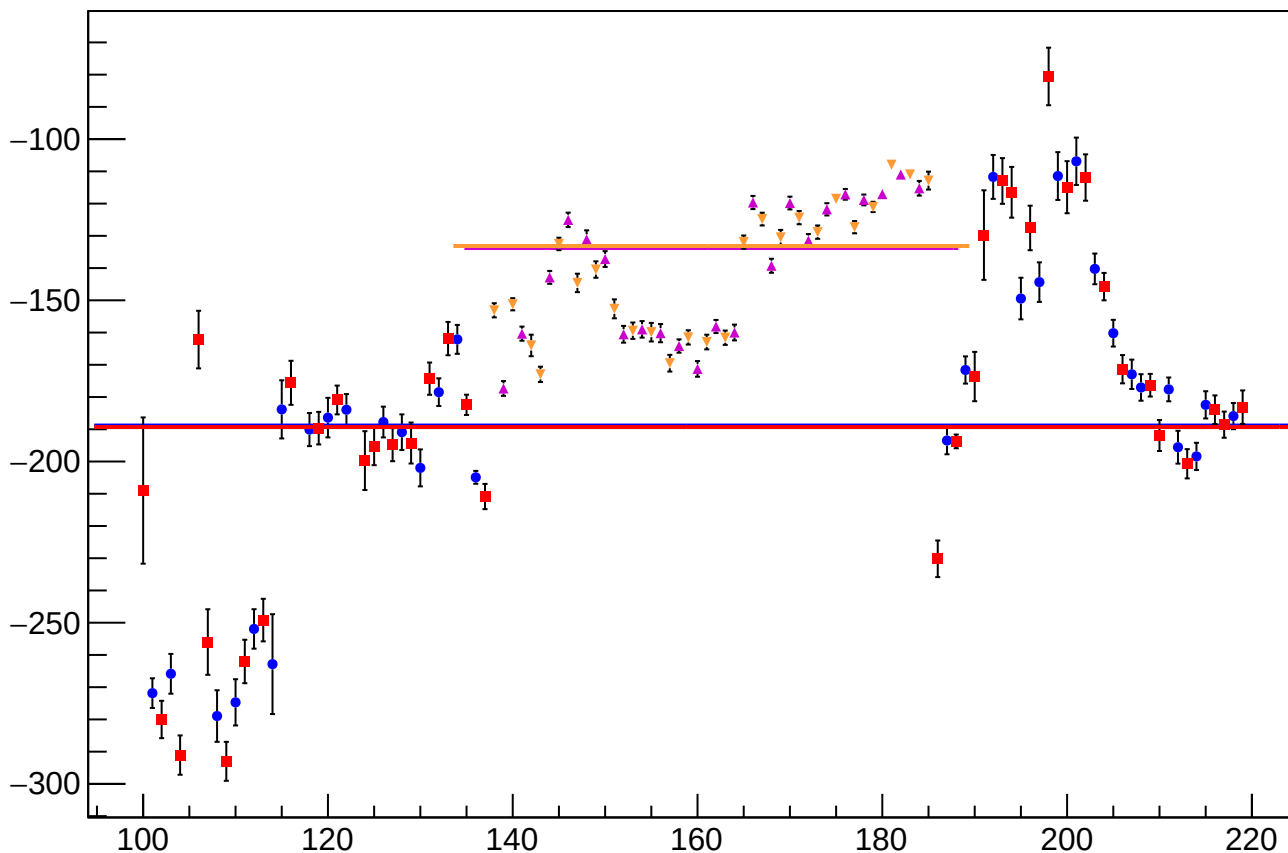
All: -44.586 ± 0.259 χ^2/NDF : 4293.7/116

- sign -43.849 ± 0.372 χ^2/NDF : 2483.0/59

reg_asym_sam2_diff_bpm4aY_slope vs Slug



reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -188.847 ± 0.835 χ^2/NDF : 1653.3/31

Left Out: -133.155 ± 0.403 χ^2/NDF : 2530.7/24

Right Out: -189.315 ± 0.840 χ^2/NDF : 2008.2/36

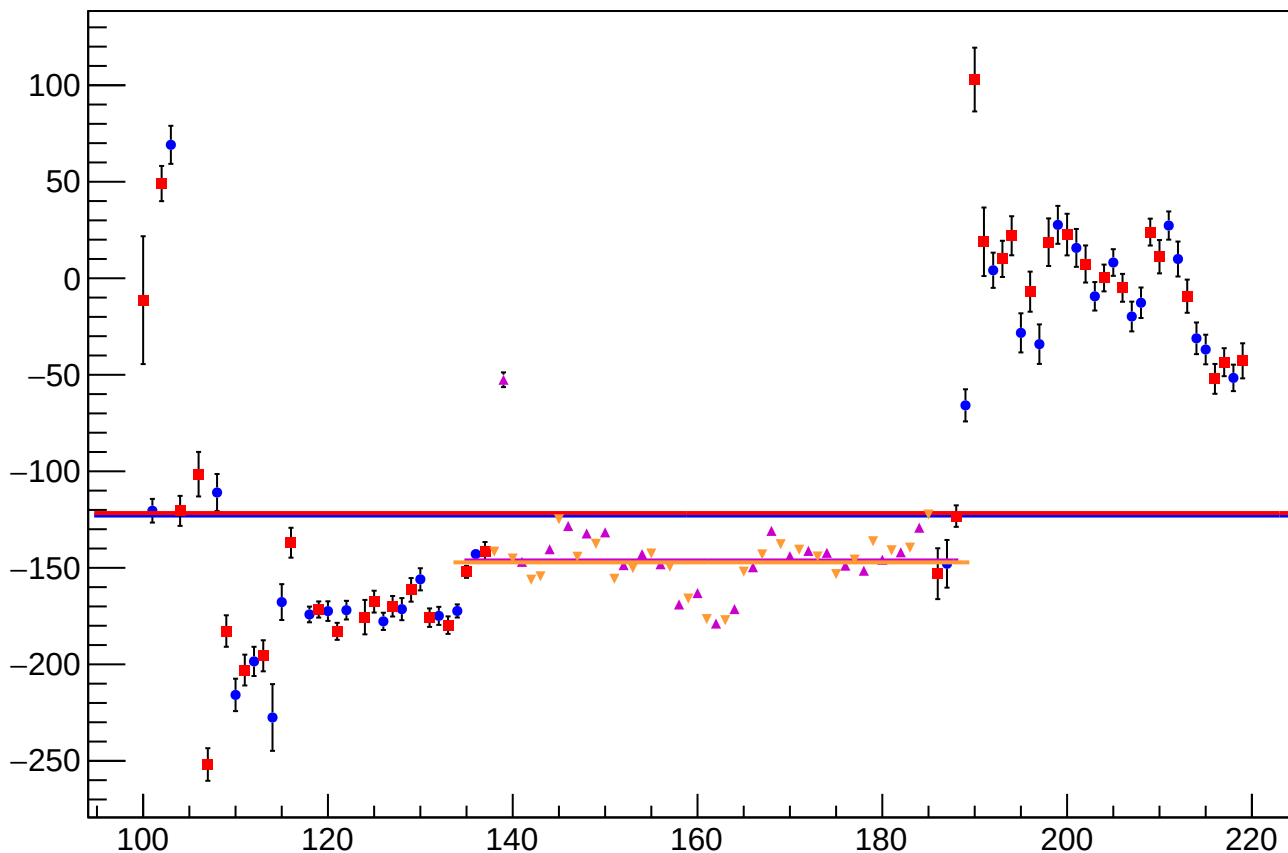
Left In: -133.777 ± 0.417 χ^2/NDF : 2440.7/22

+ sign -143.678 ± 0.363 χ^2/NDF : 7794.0/56

All: -144.204 ± 0.260 χ^2/NDF : 15755.8/116

- sign -144.762 ± 0.373 χ^2/NDF : 7957.5/59

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -122.909 ± 1.057 χ^2/NDF : 4494.9/31

Left Out: -147.167 ± 0.358 χ^2/NDF : 1245.6/24

Right Out: -121.613 ± 1.113 χ^2/NDF : 4769.4/36

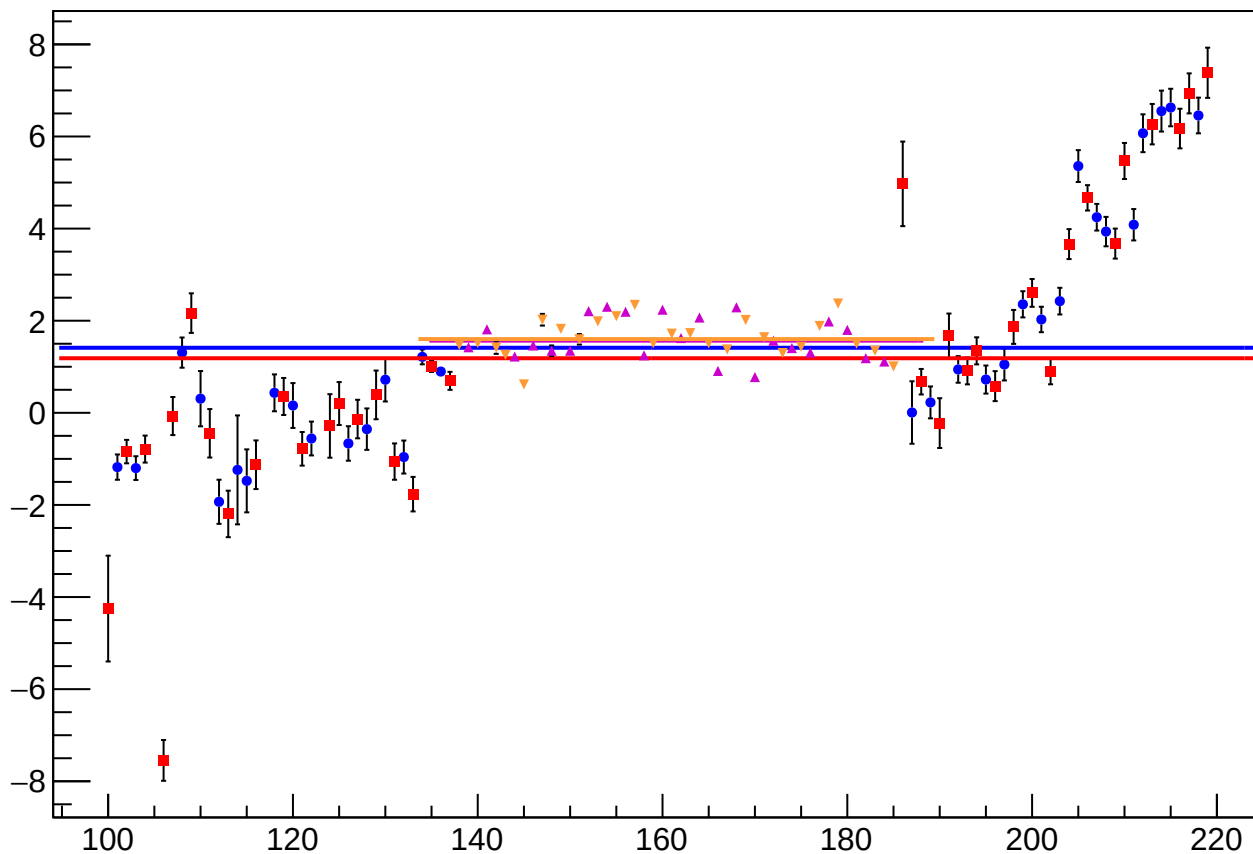
Left In: -146.173 ± 0.371 χ^2/NDF : 1793.8/22

+ sign -144.669 ± 0.339 χ^2/NDF : 6213.0/56

All: -144.213 ± 0.244 χ^2/NDF : 13218.2/116

- sign -143.723 ± 0.352 χ^2/NDF : 7001.4/59

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.413 ± 0.051 χ^2/NDF : 1430.1/31

Left Out: 1.601 ± 0.016 χ^2/NDF : 581.8/24

Right Out: 1.185 ± 0.055 χ^2/NDF : 1793.7/36

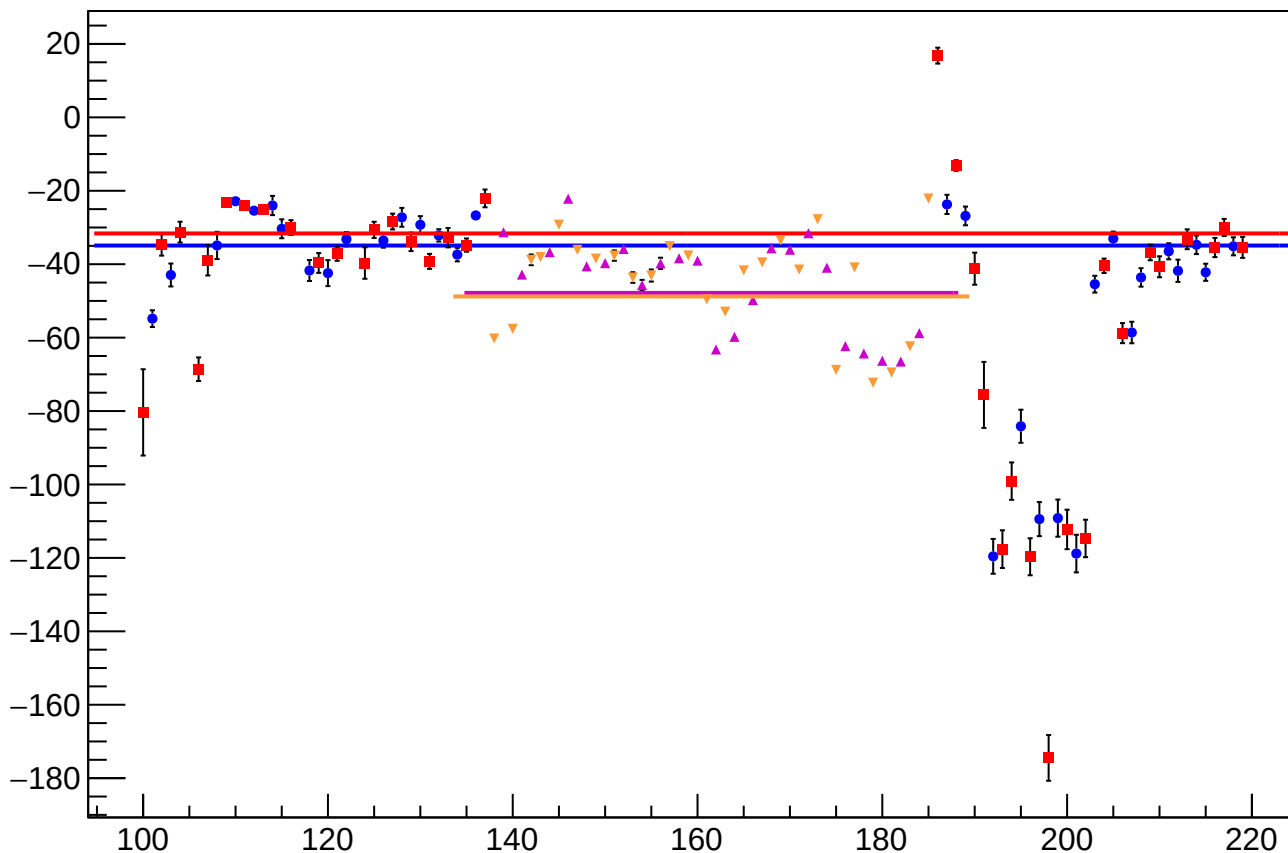
Left In: 1.567 ± 0.016 χ^2/NDF : 735.2/22

+ sign 1.584 ± 0.015 χ^2/NDF : 2024.2/56

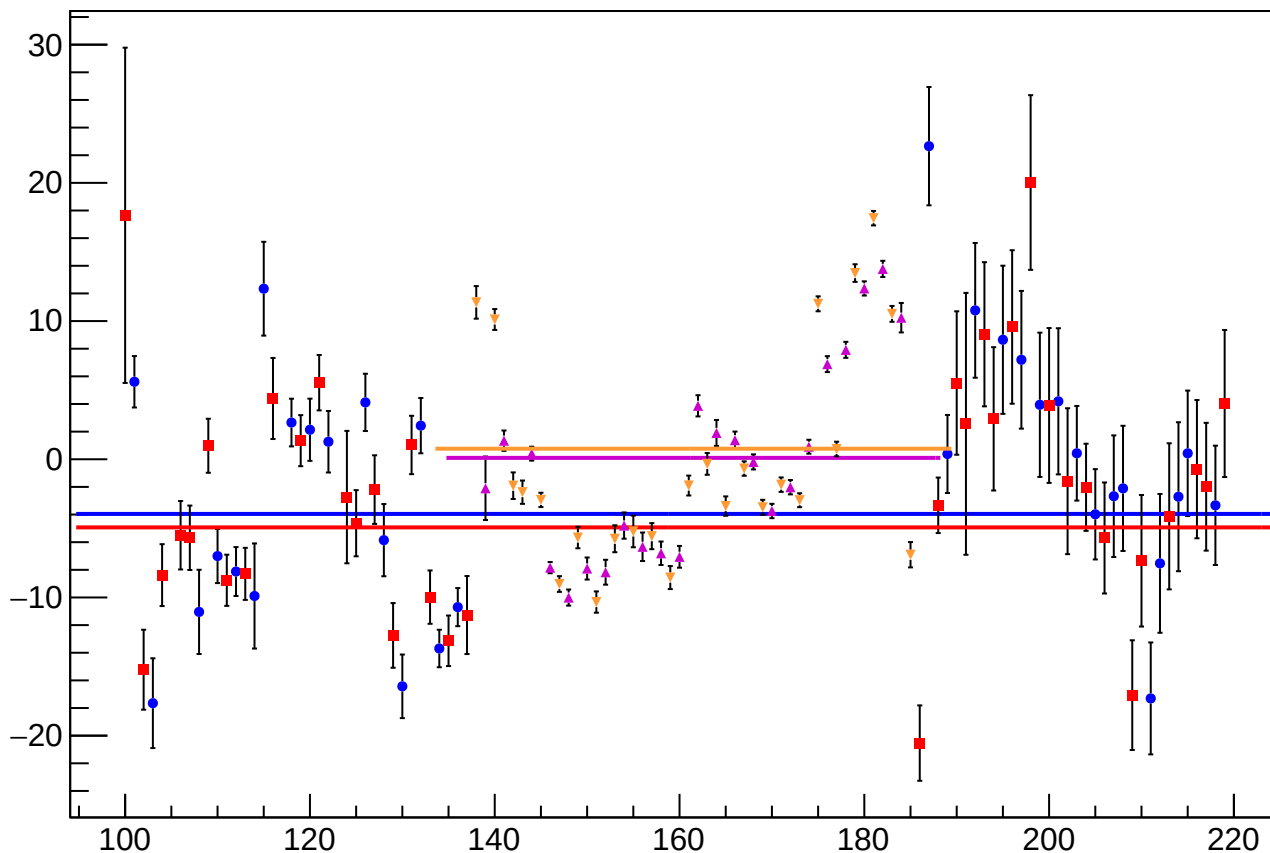
All: 1.561 ± 0.011 χ^2/NDF : 4602.9/116

- sign 1.536 ± 0.016 χ^2/NDF : 2573.9/59

reg_asym_sam3_diff_bpm1X_slope vs Slug



reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.955 ± 0.459 χ^2/NDF : 321.0/31

Left Out: 0.765 ± 0.132 χ^2/NDF : 3467.2/24

Right Out: -4.929 ± 0.461 χ^2/NDF : 224.1/36

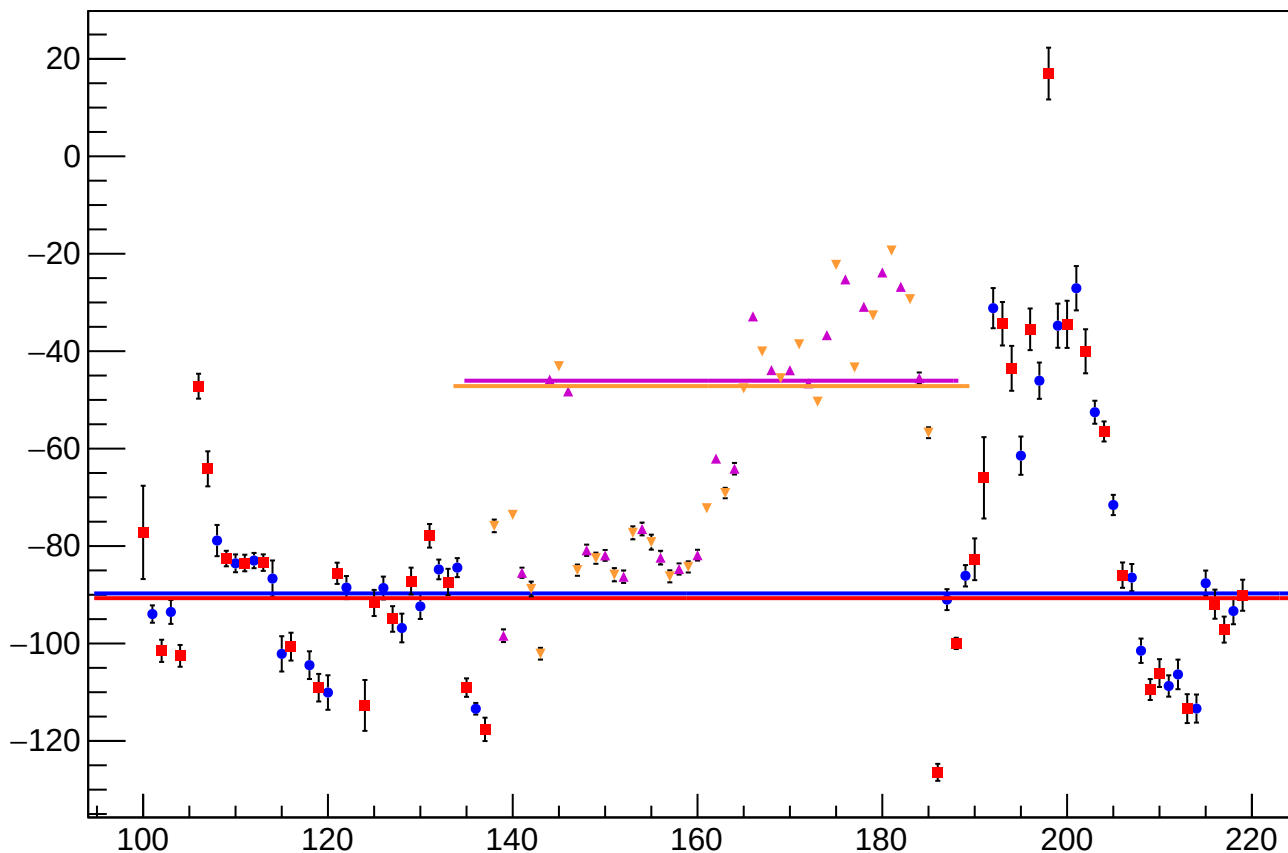
Left In: 0.102 ± 0.133 χ^2/NDF : 2721.8/22

+ sign 0.404 ± 0.127 χ^2/NDF : 3885.7/56

All: 0.061 ± 0.090 χ^2/NDF : 6956.1/116

- sign -0.284 ± 0.128 χ^2/NDF : 3055.8/59

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -89.722 ± 0.422 χ^2/NDF : 1787.7/31

Left Out: -47.167 ± 0.168 χ^2/NDF : 17658.5/24

Right Out: -90.696 ± 0.408 χ^2/NDF : 2839.4/36

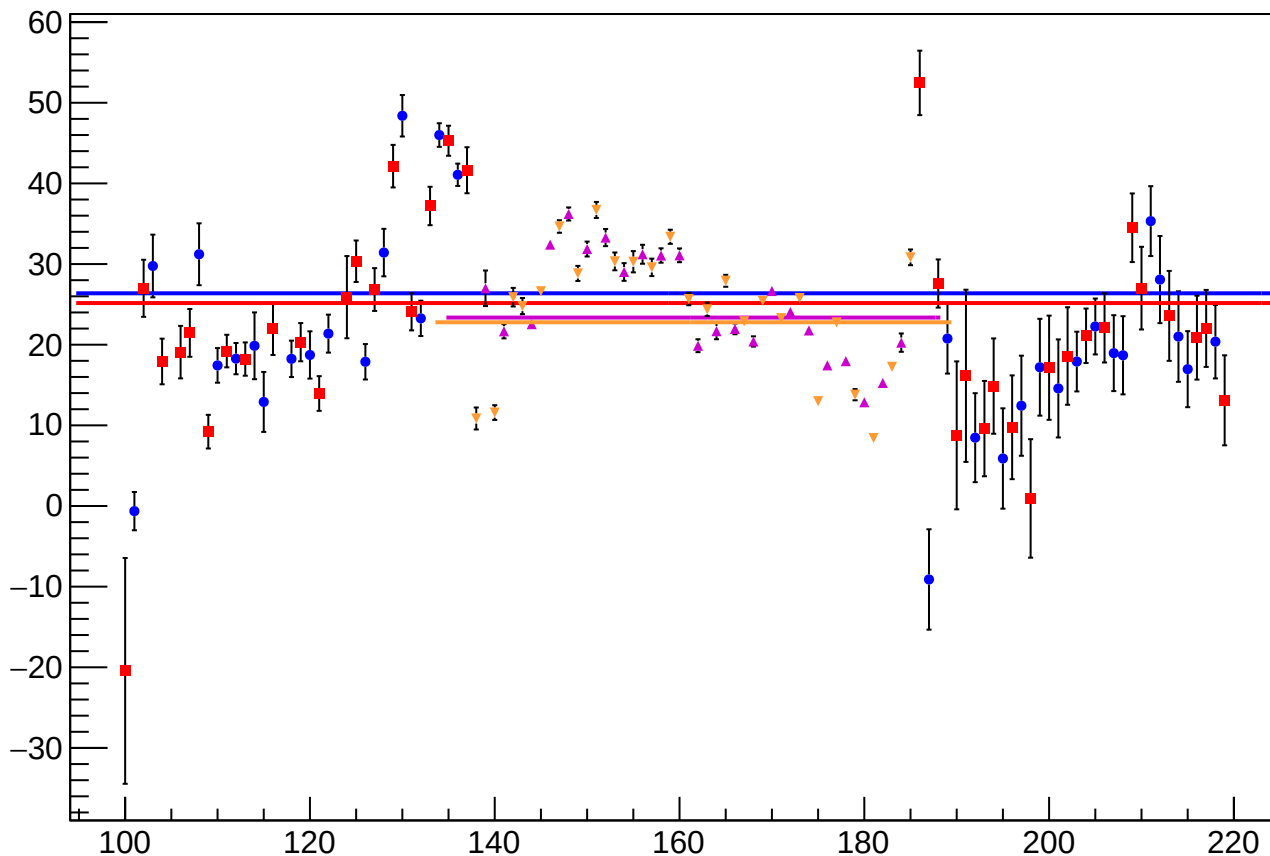
Left In: -46.058 ± 0.170 χ^2/NDF : 14769.8/22

+ sign -52.954 ± 0.156 χ^2/NDF : 28218.9/56

All: -52.812 ± 0.111 χ^2/NDF : 56019.9/116

- sign -52.668 ± 0.157 χ^2/NDF : 27799.3/59

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.374 ± 0.515 χ^2/NDF : 681.3/31

Left Out: 22.782 ± 0.147 χ^2/NDF : 2412.9/24

Right Out: 25.164 ± 0.527 χ^2/NDF : 448.2/36

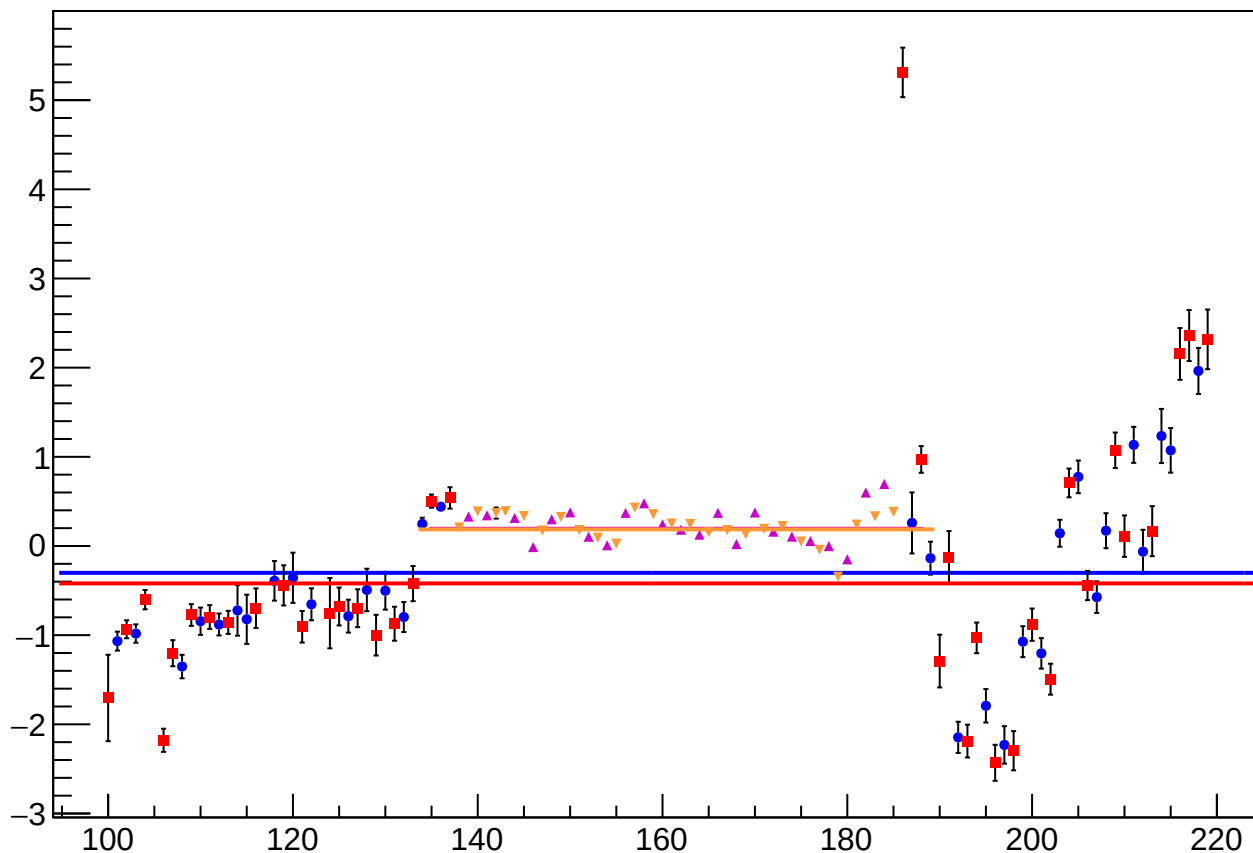
Left In: 23.366 ± 0.149 χ^2/NDF : 1785.4/22

+ sign 23.053 ± 0.142 χ^2/NDF : 3139.2/56

All: 23.273 ± 0.101 χ^2/NDF : 5388.4/116

- sign 23.498 ± 0.143 χ^2/NDF : 2244.3/59

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.301 ± 0.026 $\chi^2/\text{NDF}: 1002.3/31$

Left Out: 0.186 ± 0.007 $\chi^2/\text{NDF}: 645.7/24$

Right Out: -0.420 ± 0.027 $\chi^2/\text{NDF}: 1720.9/36$

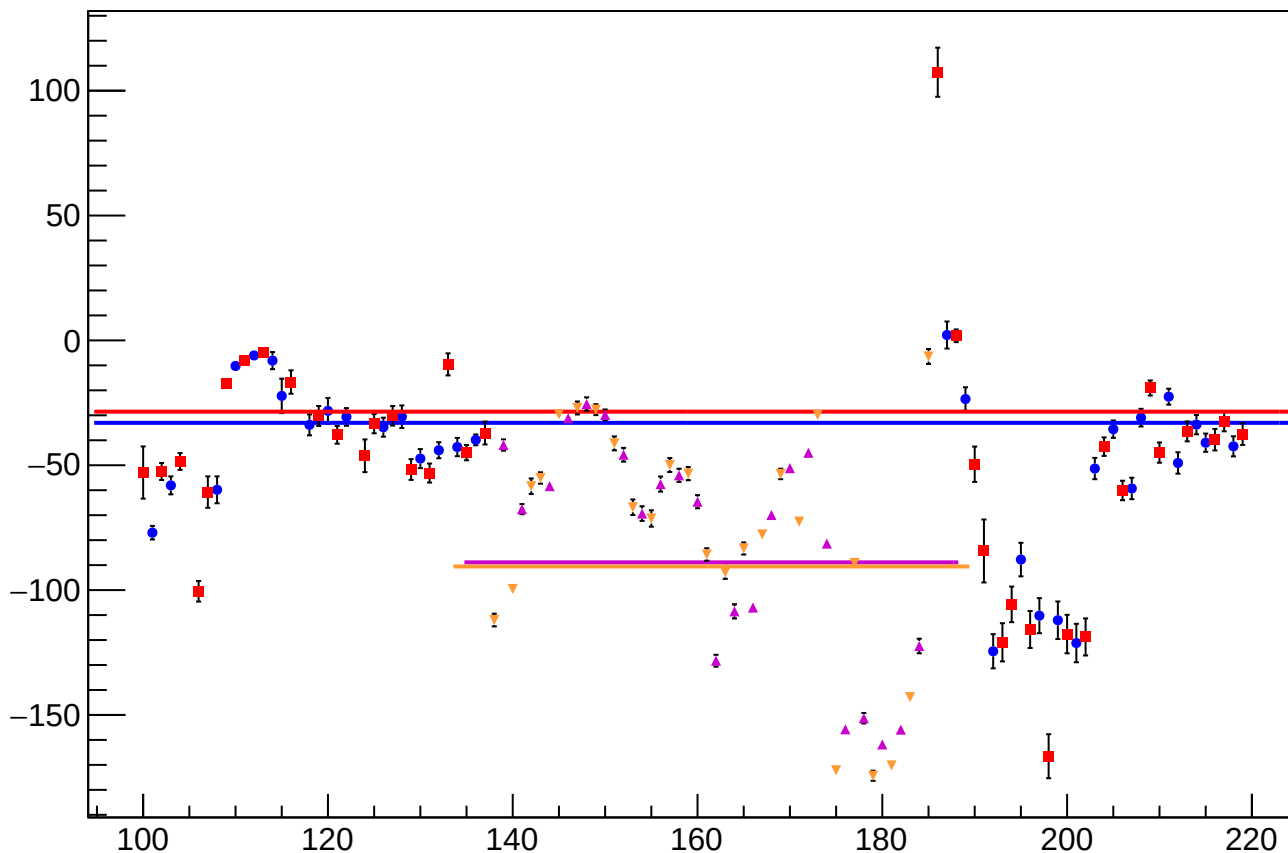
Left In: 0.193 ± 0.007 $\chi^2/\text{NDF}: 938.2/22$

+ sign 0.157 ± 0.006 $\chi^2/\text{NDF}: 1975.8/56$

All: 0.158 ± 0.005 $\chi^2/\text{NDF}: 5112.0/116$

- sign 0.159 ± 0.006 $\chi^2/\text{NDF}: 3136.1/59$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -33.013 ± 0.609 χ^2/NDF : 1688.1/31

Left Out: -90.534 ± 0.421 χ^2/NDF : 15358.6/24

Right Out: -28.536 ± 0.567 χ^2/NDF : 2439.3/36

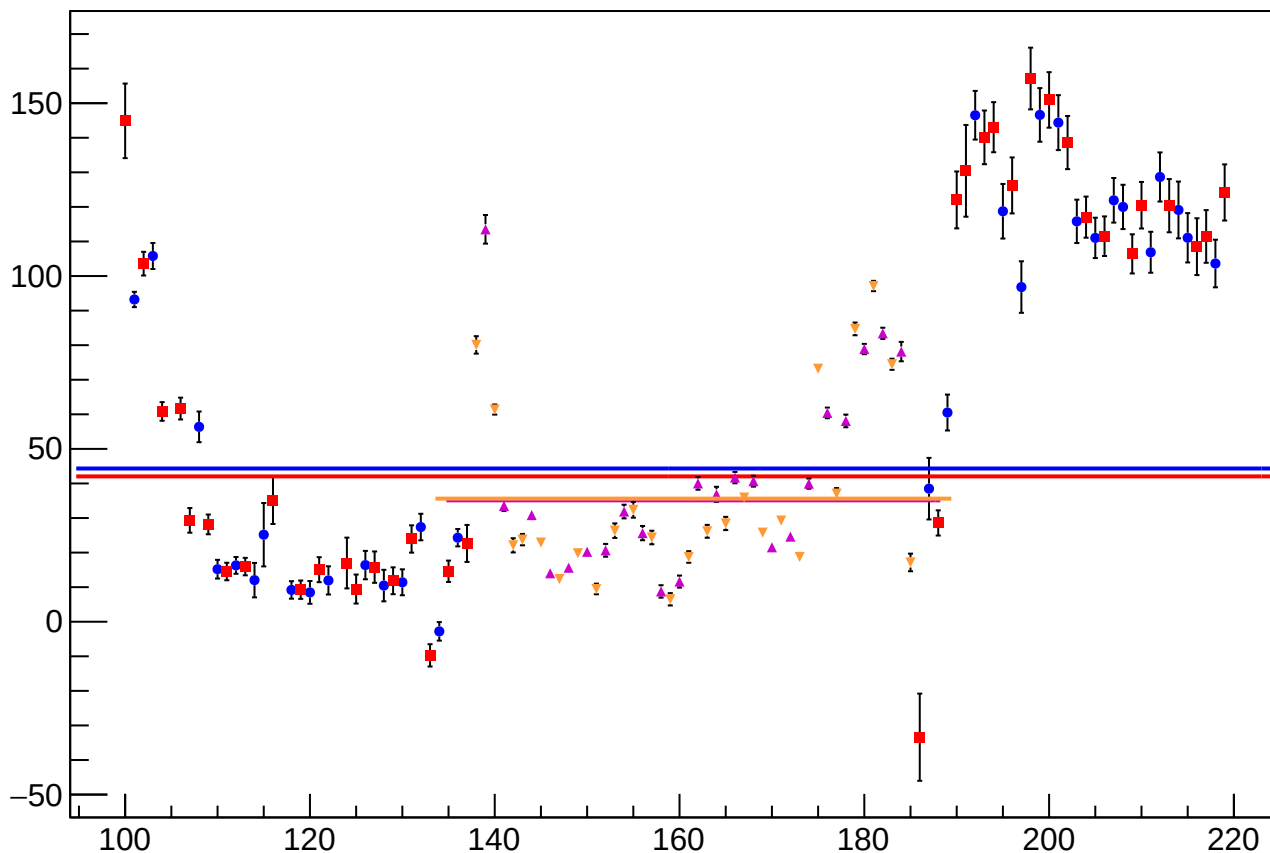
Left In: -88.888 ± 0.435 χ^2/NDF : 11815.7/22

+ sign -71.929 ± 0.347 χ^2/NDF : 23076.3/56

All: -69.218 ± 0.244 χ^2/NDF : 44598.7/116

- sign -66.535 ± 0.345 χ^2/NDF : 21400.6/59

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 44.327 $\pm$ 0.730 χ^2 /NDF: 3731.7/31

Left Out: 35.612 $\pm$ 0.326 χ^2 /NDF: 5973.0/24

Right Out: 42.042 $\pm$ 0.716 χ^2 /NDF: 3591.1/36

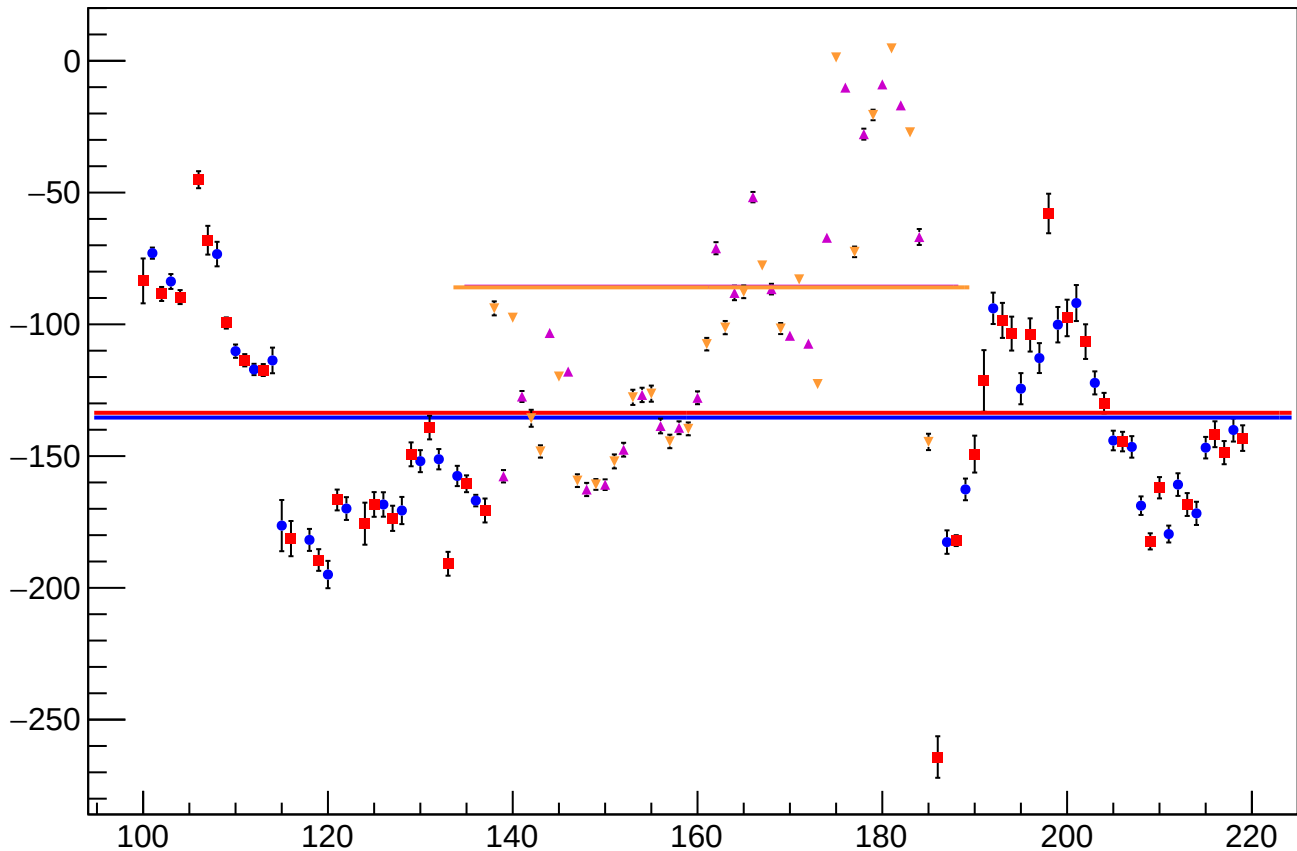
Left In: 35.112 $\pm$ 0.336 χ^2 /NDF: 4144.4/22

+ sign 37.060 $\pm$ 0.297 χ^2 /NDF: 9823.7/56

All: 36.720 $\pm$ 0.213 χ^2 /NDF: 17638.5/116

- sign 36.363 $\pm$ 0.304 χ^2 /NDF: 7812.2/59

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -135.377 ± 0.663 χ^2/NDF : 2982.7/31

Left Out: -85.969 ± 0.421 χ^2/NDF : 16232.5/24

Right Out: -133.569 ± 0.635 χ^2/NDF : 4088.1/36

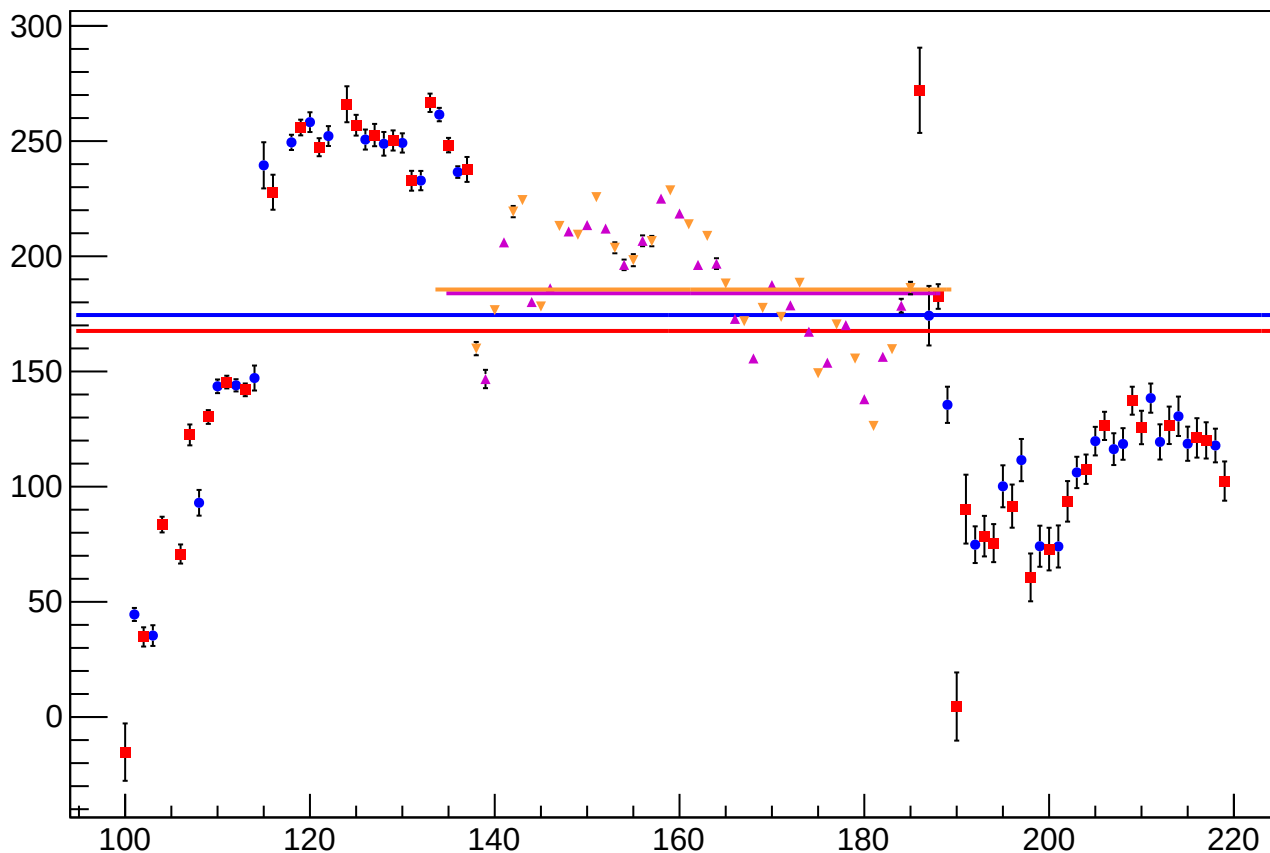
Left In: -85.705 ± 0.432 χ^2/NDF : 13758.7/22

+ sign -100.157 ± 0.355 χ^2/NDF : 23174.0/56

All: -100.510 ± 0.252 χ^2/NDF : 44902.9/116

- sign -100.867 ± 0.357 χ^2/NDF : 21727.0/59

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 174.498 $\pm$ 0.829 χ^2 /NDF: 8425.1/31

Left Out: 185.583 $\pm$ 0.367 χ^2 /NDF: 5354.7/24

Right Out: 167.590 $\pm$ 0.820 χ^2 /NDF: 7930.1/36

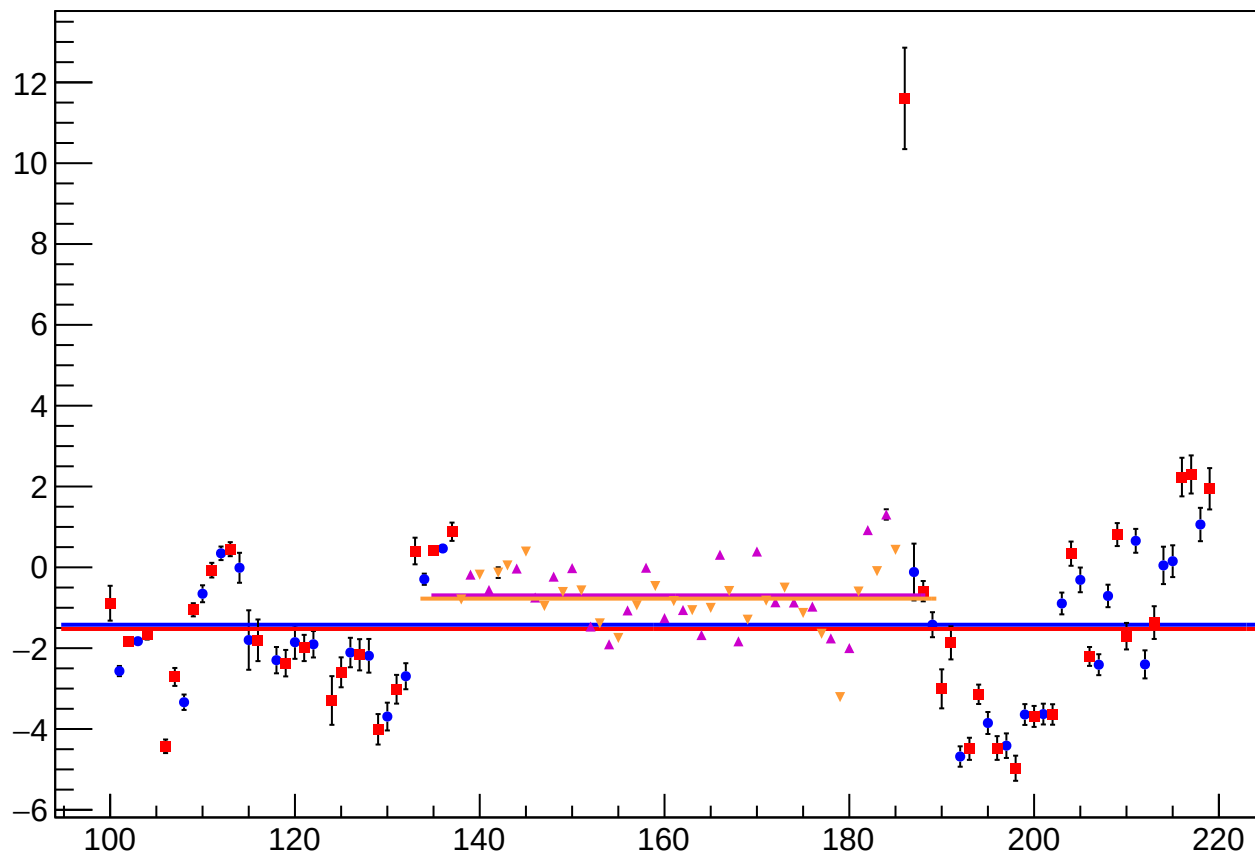
Left In: 183.940 $\pm$ 0.378 χ^2 /NDF: 3873.5/22

+ sign 183.769 $\pm$ 0.335 χ^2 /NDF: 13929.4/56

All: 182.453 $\pm$ 0.240 χ^2 /NDF: 26092.7/116

- sign 181.076 $\pm$ 0.343 χ^2 /NDF: 12131.9/59

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.420 ± 0.041 χ^2/NDF : 1473.9/31

Left Out: -0.774 ± 0.016 χ^2/NDF : 1822.9/24

Right Out: -1.525 ± 0.040 χ^2/NDF : 1970.5/36

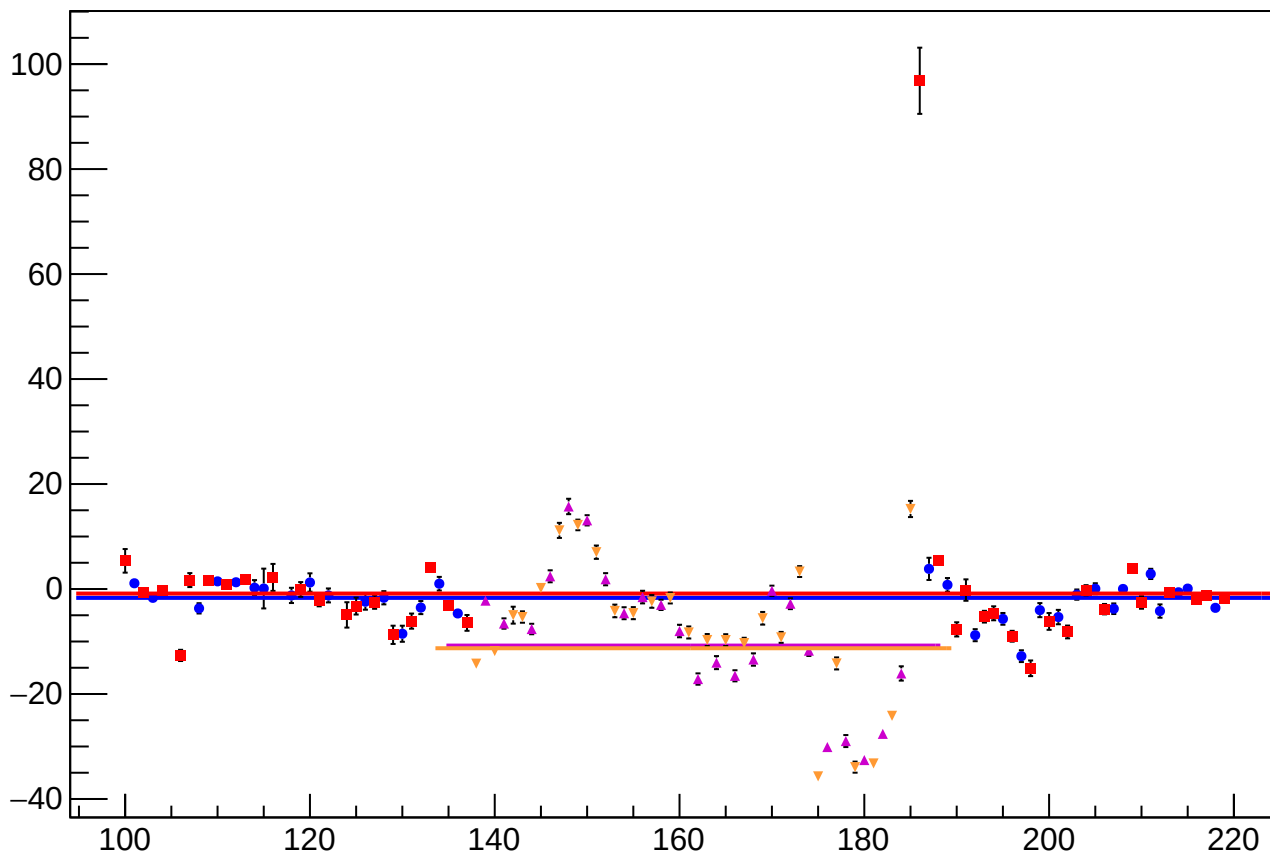
Left In: -0.694 ± 0.017 χ^2/NDF : 2565.3/22

+ sign -0.865 ± 0.015 χ^2/NDF : 3514.1/56

All: -0.842 ± 0.011 χ^2/NDF : 8421.3/116

- sign -0.818 ± 0.015 χ^2/NDF : 4902.5/59

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.687 ± 0.182 χ^2/NDF : 329.6/31

Left Out: -11.283 ± 0.208 χ^2/NDF : 4500.3/24

Right Out: -0.865 ± 0.165 χ^2/NDF : 932.3/36

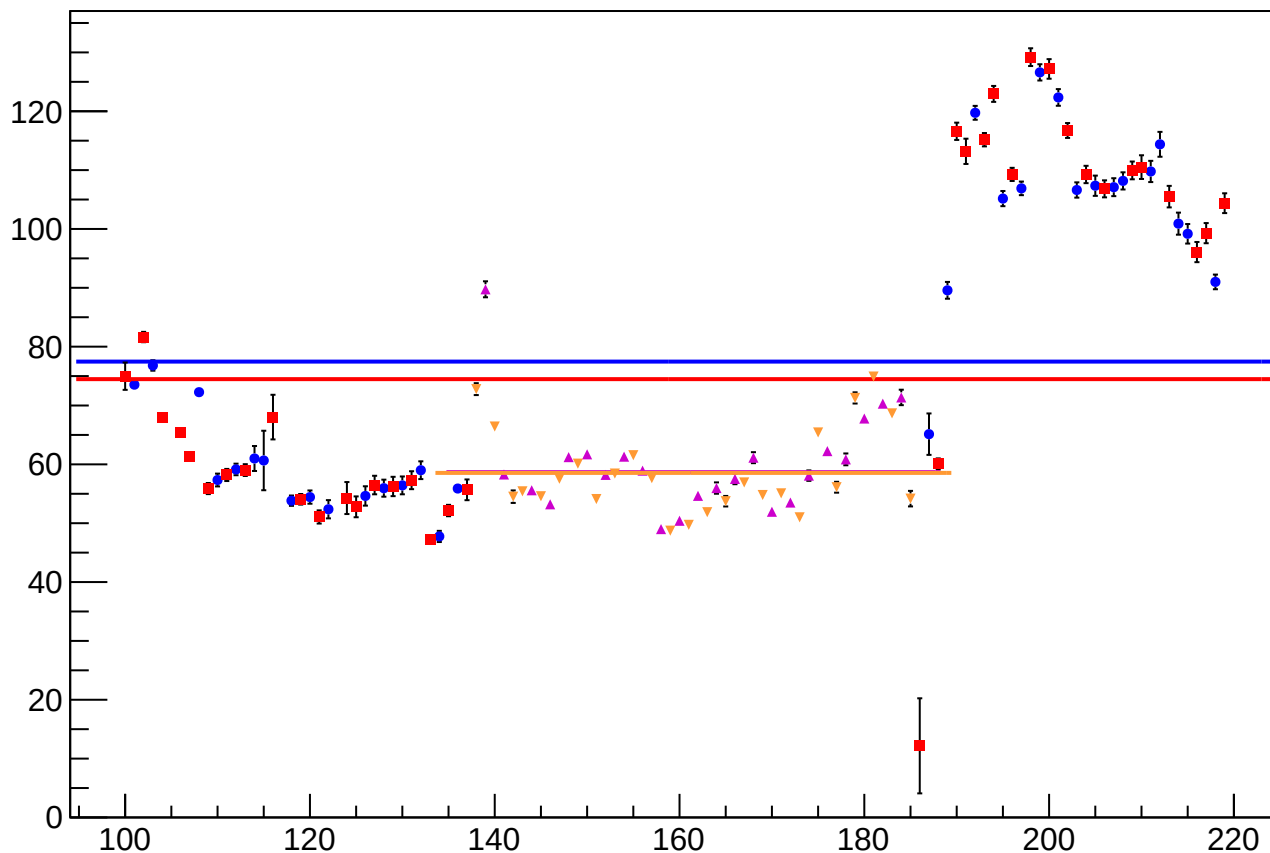
Left In: -10.776 ± 0.213 χ^2/NDF : 3699.2/22

+ sign -5.855 ± 0.137 χ^2/NDF : 6034.2/56

All: -5.189 ± 0.095 χ^2/NDF : 12059.1/116

- sign -4.583 ± 0.131 χ^2/NDF : 5979.8/59

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 77.462 ± 0.216 χ^2/NDF : 12102.7/31

Left Out: 58.550 ± 0.161 χ^2/NDF : 1902.5/24

Right Out: 74.481 ± 0.199 χ^2/NDF : 16649.8/36

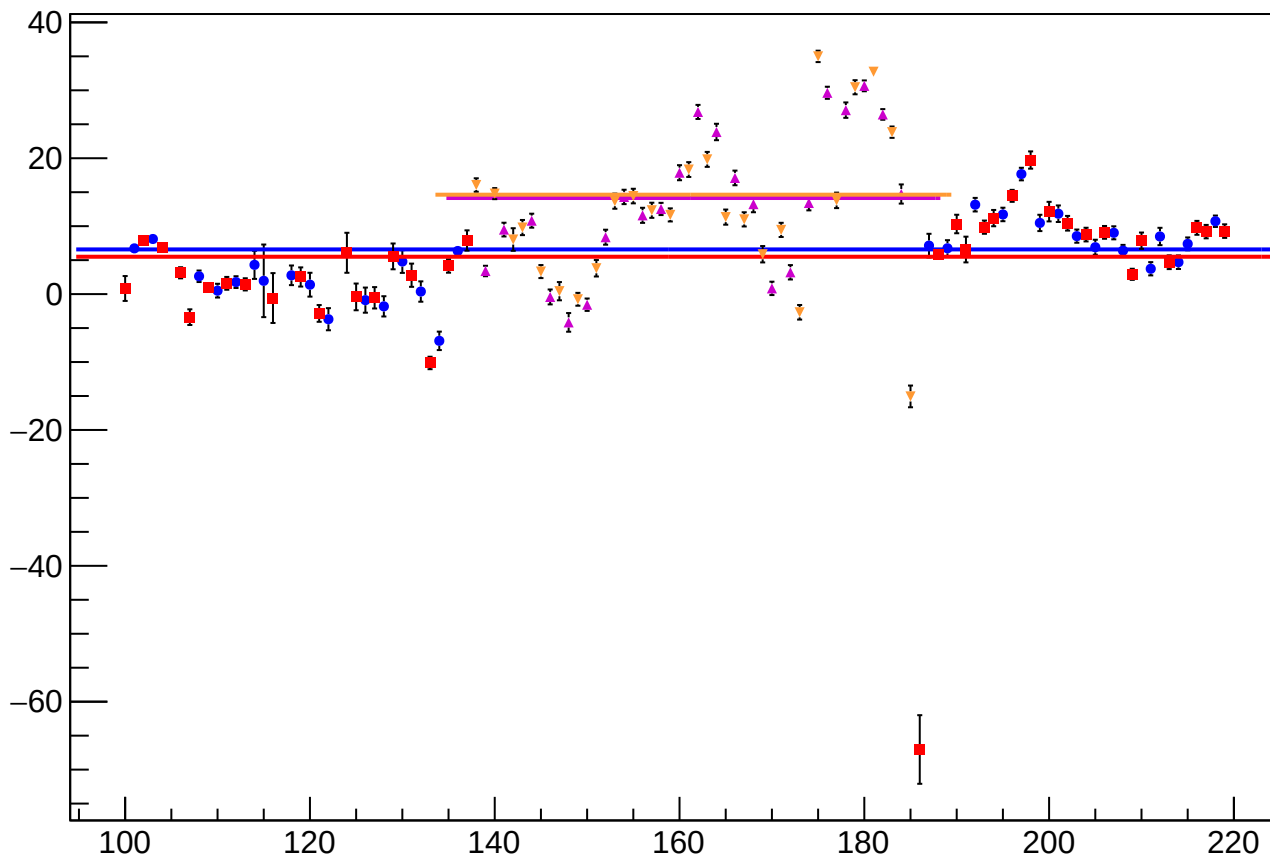
Left In: 58.679 ± 0.168 χ^2/NDF : 1613.4/22

+ sign 65.331 ± 0.129 χ^2/NDF : 18942.1/56

All: 65.295 ± 0.091 χ^2/NDF : 40873.4/116

- sign 65.259 ± 0.129 χ^2/NDF : 21931.1/59

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.579 ± 0.185 χ^2/NDF : 609.2/31

Left Out: 14.634 ± 0.207 χ^2/NDF : 2962.1/24

Right Out: 5.500 ± 0.170 χ^2/NDF : 1162.8/36

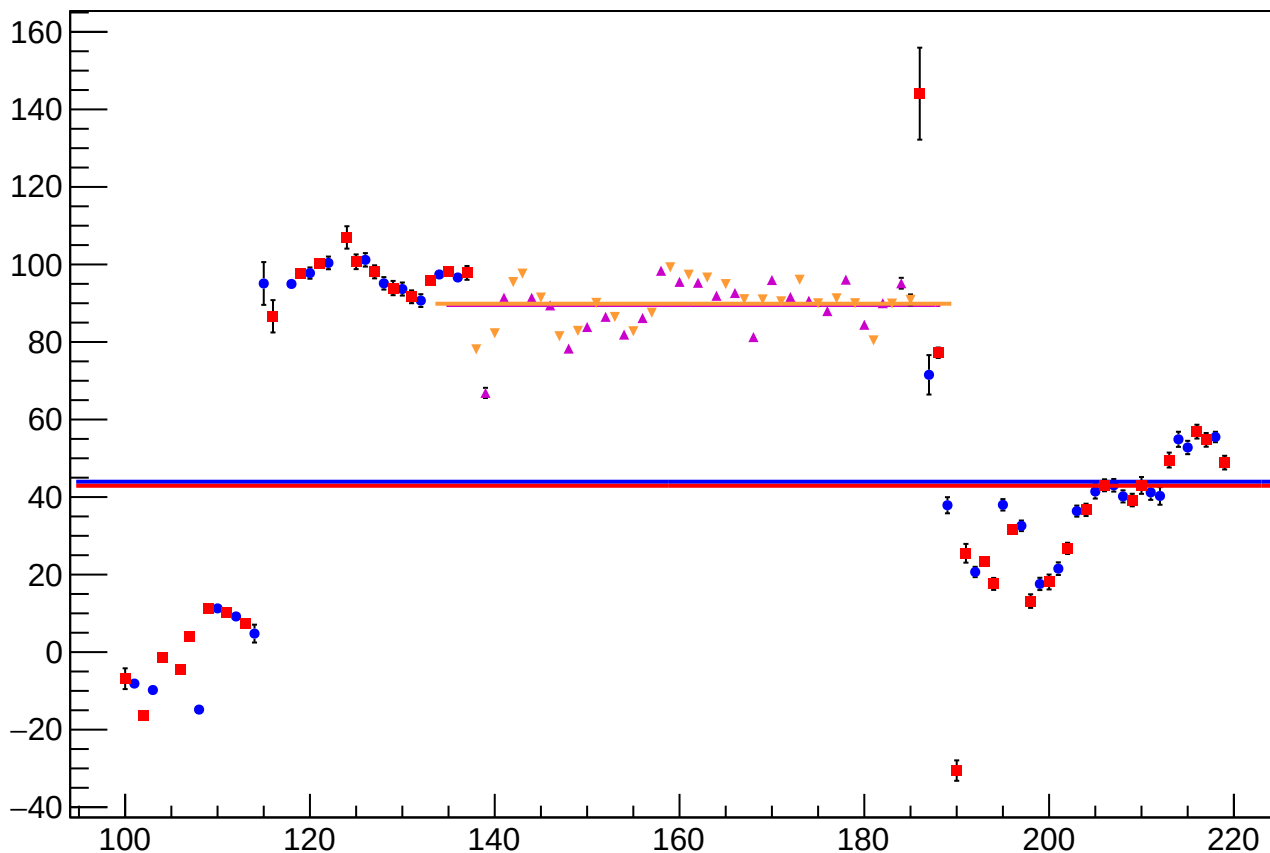
Left In: 14.146 ± 0.211 χ^2/NDF : 2541.2/22

+ sign 10.152 ± 0.138 χ^2/NDF : 4416.3/56

All: 9.503 ± 0.095 χ^2/NDF : 9179.2/116

- sign 8.901 ± 0.133 χ^2/NDF : 4720.1/59

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.957 ± 0.248 $\chi^2/\text{NDF}: 28079.3/31$

Left Out: 89.875 ± 0.181 $\chi^2/\text{NDF}: 1065.4/24$

Right Out: 42.911 ± 0.232 $\chi^2/\text{NDF}: 31878.4/36$

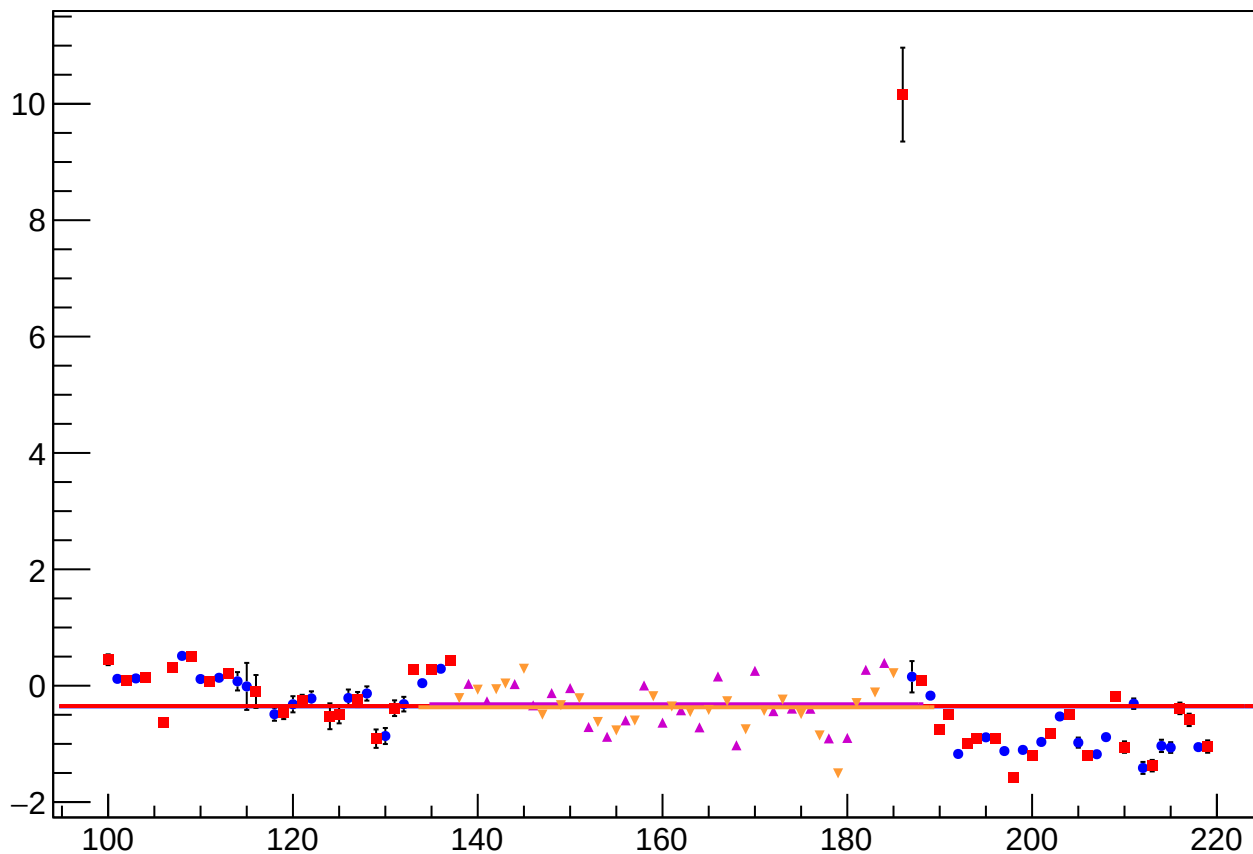
Left In: 89.541 ± 0.188 $\chi^2/\text{NDF}: 1095.3/22$

+ sign 73.874 ± 0.146 $\chi^2/\text{NDF}: 51565.7/56$

All: 72.495 ± 0.103 $\chi^2/\text{NDF}: 109141.0/116$

- sign 71.121 ± 0.146 $\chi^2/\text{NDF}: 57397.4/59$

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.355 ± 0.010 χ^2/NDF : 3564.3/31

Left Out: -0.371 ± 0.008 χ^2/NDF : 1769.5/24

Right Out: -0.350 ± 0.010 χ^2/NDF : 3901.2/36

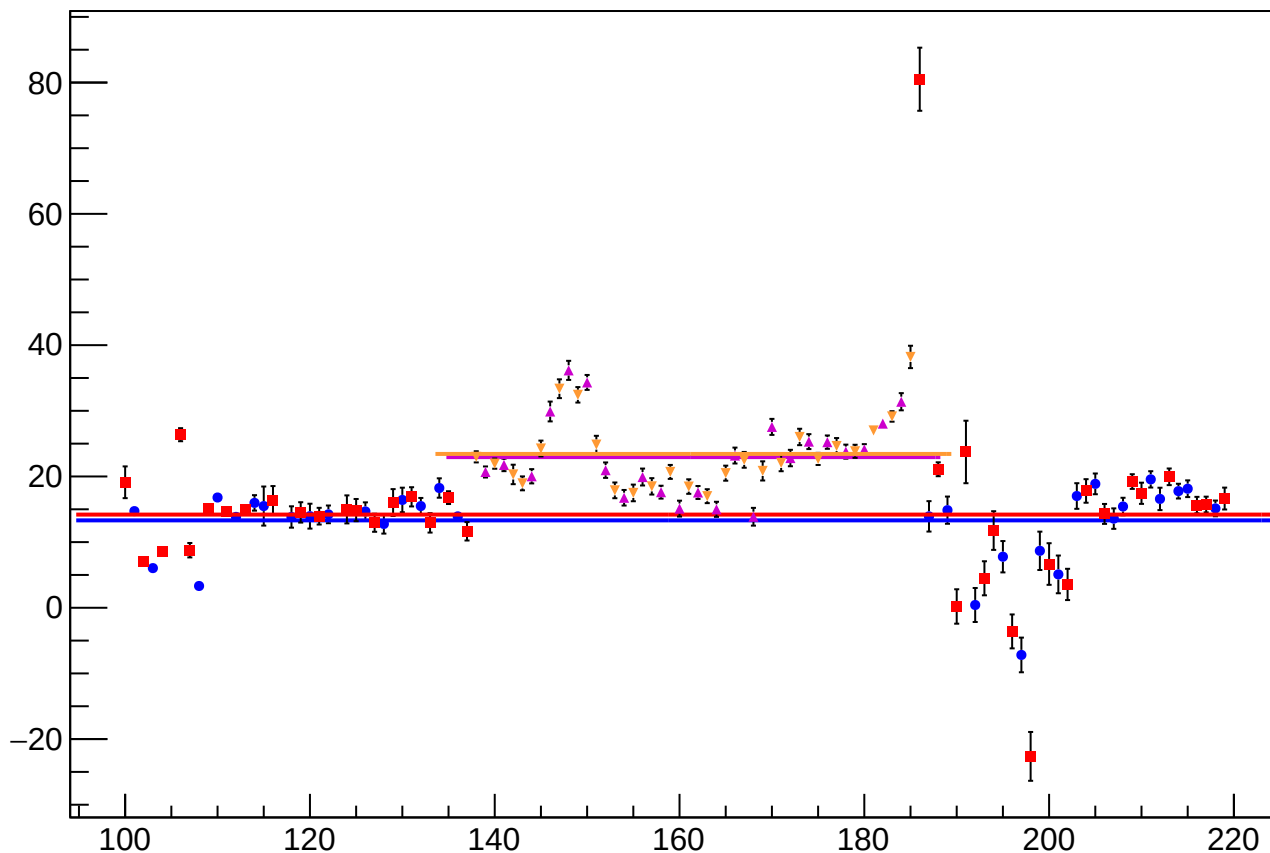
Left In: -0.319 ± 0.008 χ^2/NDF : 2441.1/22

+ sign -0.365 ± 0.006 χ^2/NDF : 5335.2/56

All: -0.348 ± 0.004 χ^2/NDF : 11697.1/116

- sign -0.332 ± 0.006 χ^2/NDF : 6348.0/59

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 13.312 $\pm$ 0.190 χ^2 /NDF: 574.8/31

Left Out: 23.431 $\pm$ 0.216 χ^2 /NDF: 427.8/24

Right Out: 14.193 $\pm$ 0.182 χ^2 /NDF: 913.8/36

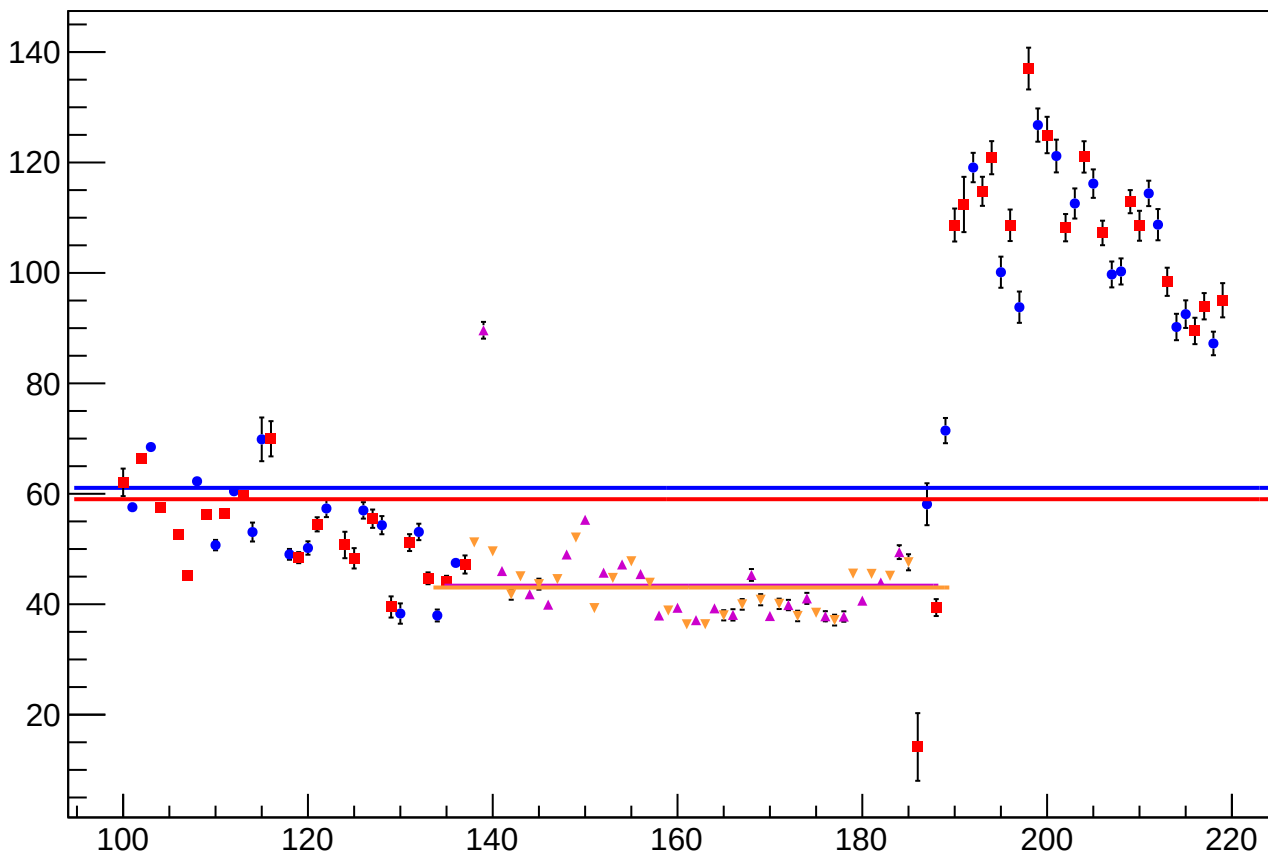
Left In: 22.949 $\pm$ 0.225 χ^2 /NDF: 565.2/22

+ sign 17.730 $\pm$ 0.143 χ^2 /NDF: 2240.9/56

All: 17.691 $\pm$ 0.101 χ^2 /NDF: 4633.1/116

- sign 17.653 $\pm$ 0.142 χ^2 /NDF: 2392.1/59

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 61.074 $\pm$ 0.210 χ^2 /NDF: 5871.7/31

Left Out: 43.029 $\pm$ 0.167 χ^2 /NDF: 780.7/24

Right Out: 59.021 $\pm$ 0.211 χ^2 /NDF: 7176.1/36

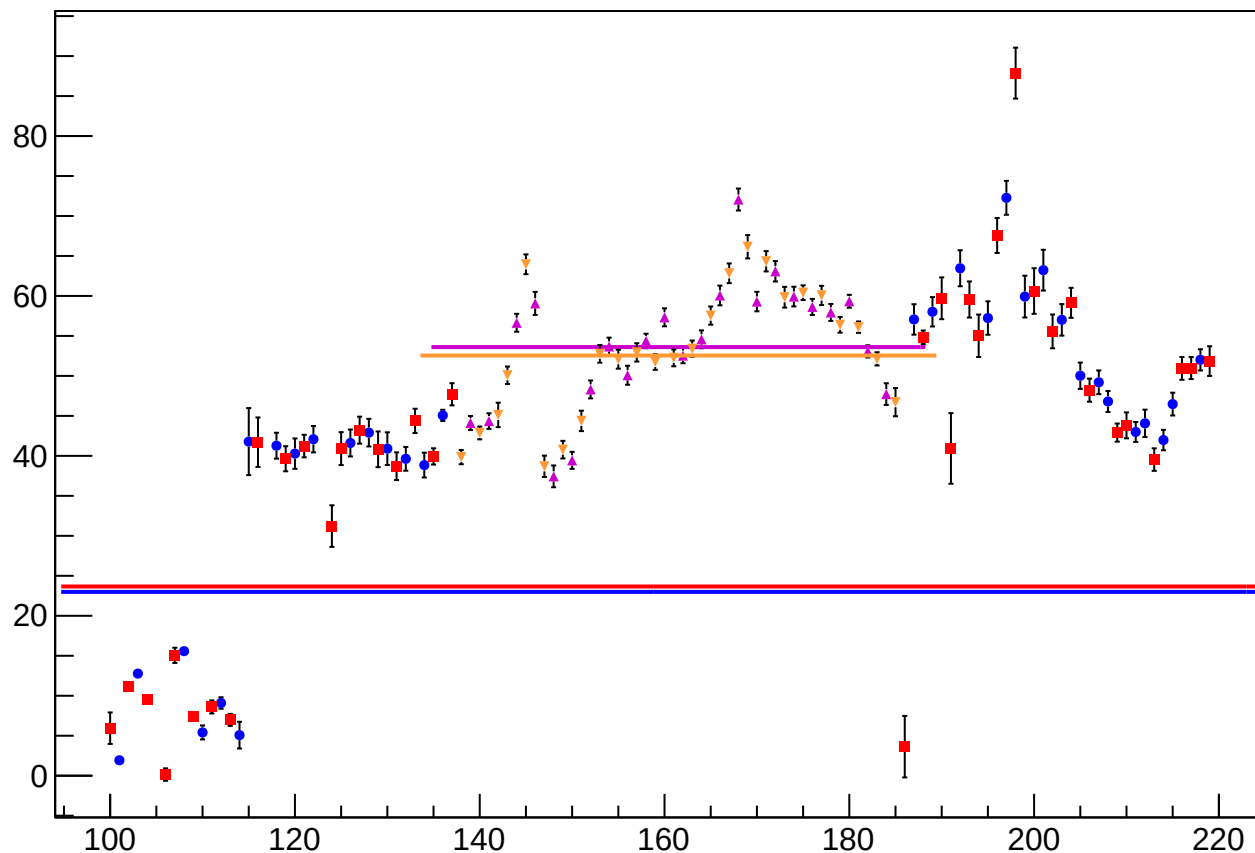
Left In: 43.361 $\pm$ 0.177 χ^2 /NDF: 1683.3/22

+ sign 50.042 $\pm$ 0.131 χ^2 /NDF: 11174.2/56

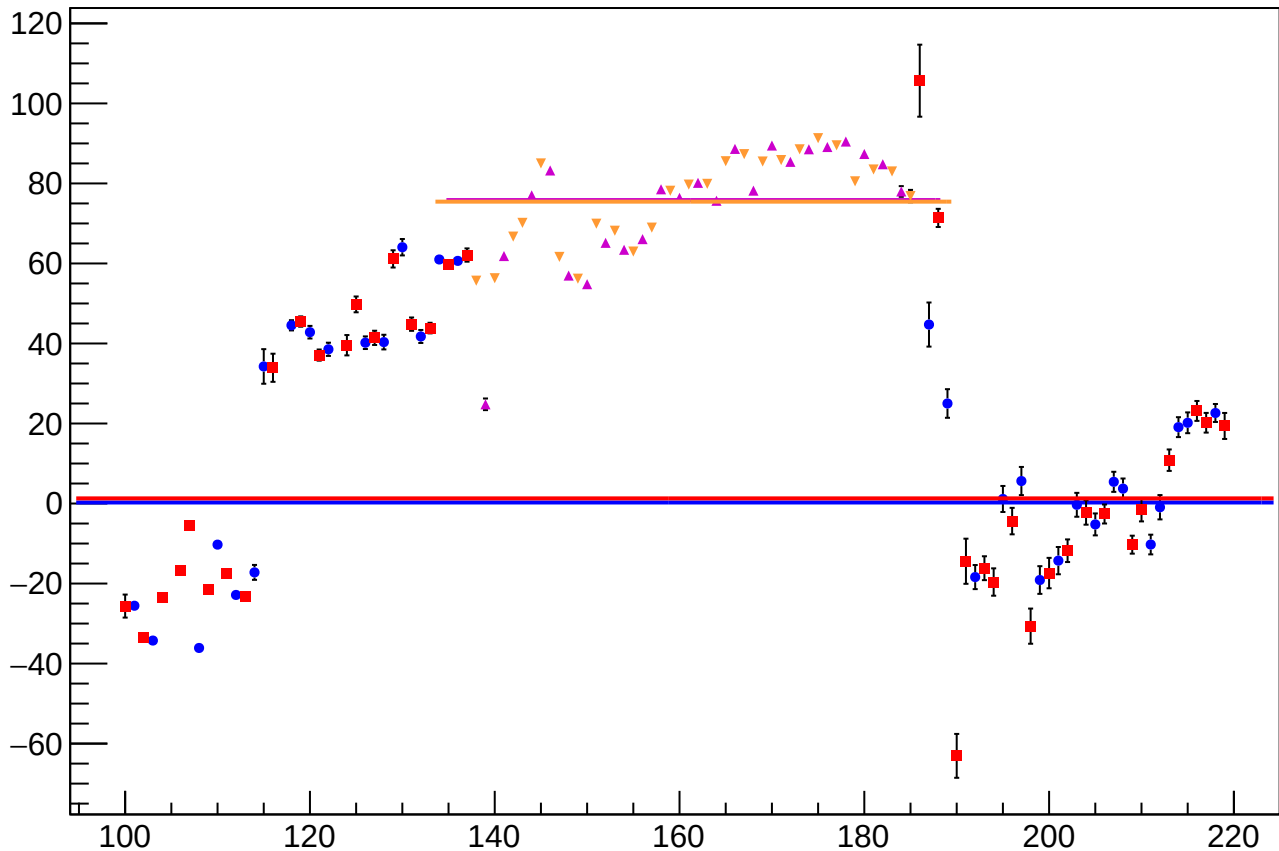
All: 49.939 $\pm$ 0.094 χ^2 /NDF: 23265.8/116

- sign 49.829 $\pm$ 0.136 χ^2 /NDF: 12090.3/59

reg_asym_sam6_diff_bpm4eX_slope vs Slug



reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.259+/-0.246 χ^2/NDF : 21482.3/31

Left Out: 75.448+/-0.188 χ^2/NDF : 3469.1/24

Right Out: 1.286+/-0.247 χ^2/NDF : 17651.3/36

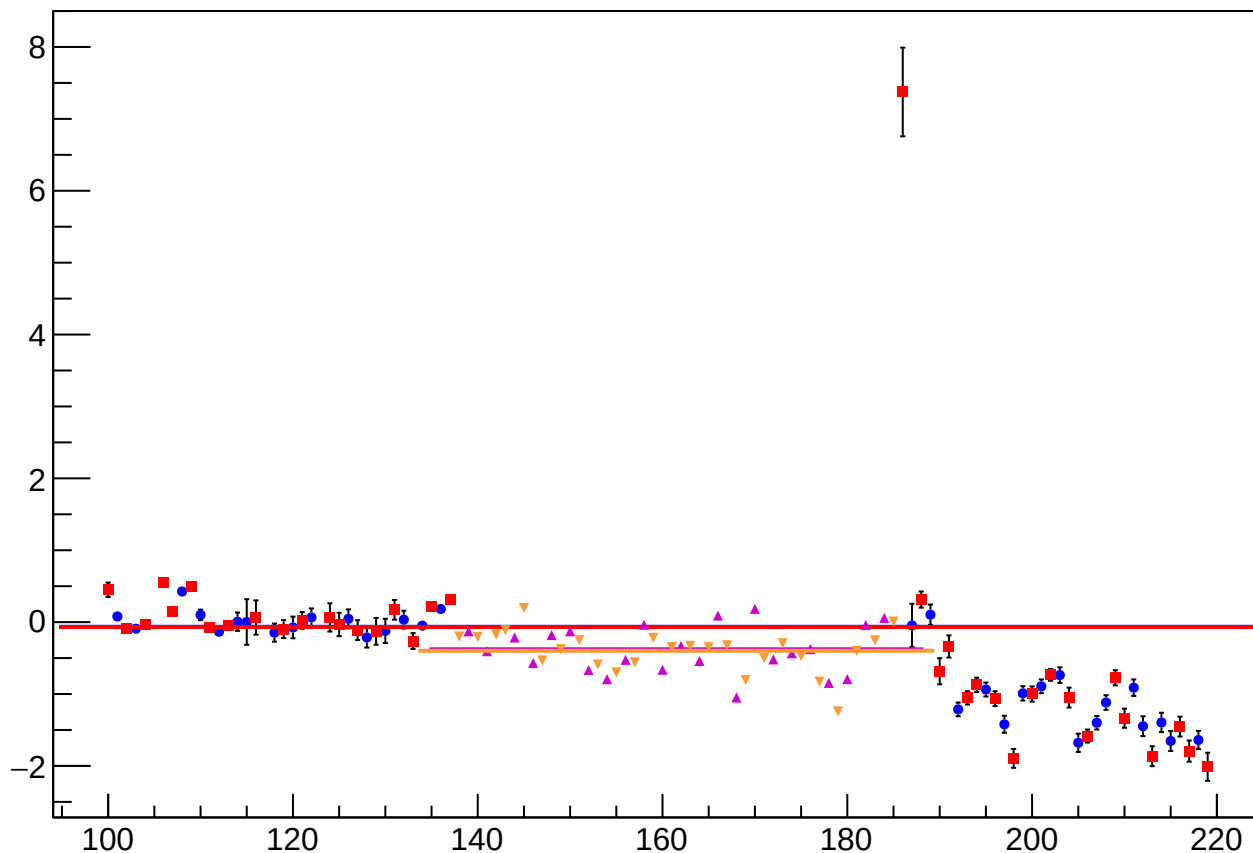
Left In: 75.844+/-0.197 χ^2/NDF : 4265.6/22

+ sign 47.643+/-0.150 χ^2/NDF : 83888.2/56

All: 47.257+/-0.107 χ^2/NDF : 161384.2/116

- sign 46.846+/-0.154 χ^2/NDF : 77482.3/59

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.065 ± 0.010 χ^2/NDF : 2070.7/31

Left Out: -0.398 ± 0.008 χ^2/NDF : 1031.5/24

Right Out: -0.068 ± 0.011 χ^2/NDF : 2343.3/36

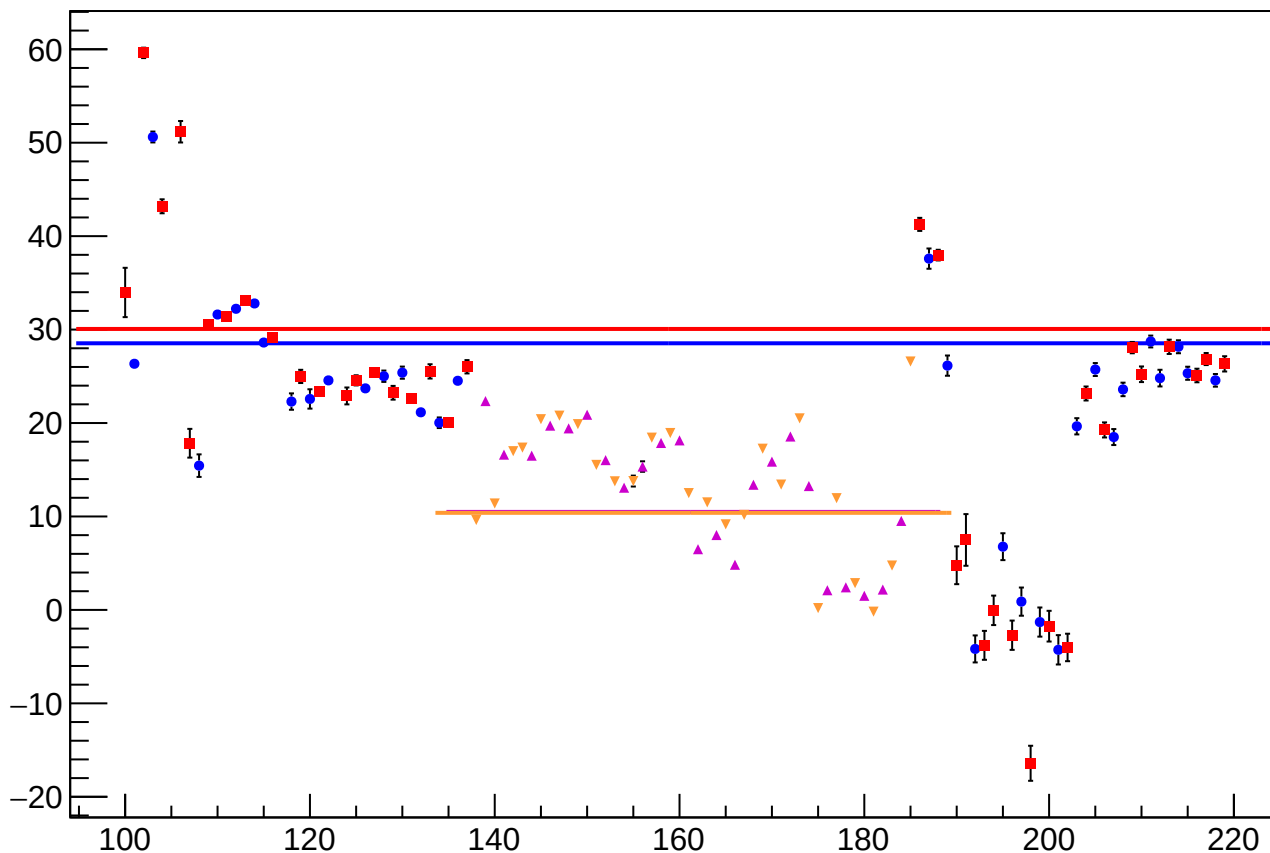
Left In: -0.378 ± 0.009 χ^2/NDF : 1351.5/22

+ sign -0.267 ± 0.007 χ^2/NDF : 3718.7/56

All: -0.261 ± 0.005 χ^2/NDF : 7930.9/116

- sign -0.254 ± 0.007 χ^2/NDF : 4210.4/59

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.534 ± 0.085 $\chi^2/\text{NDF}: 5824.9/31$

Left Out: 10.390 ± 0.064 $\chi^2/\text{NDF}: 13792.8/24$

Right Out: 30.068 ± 0.075 $\chi^2/\text{NDF}: 9043.3/36$

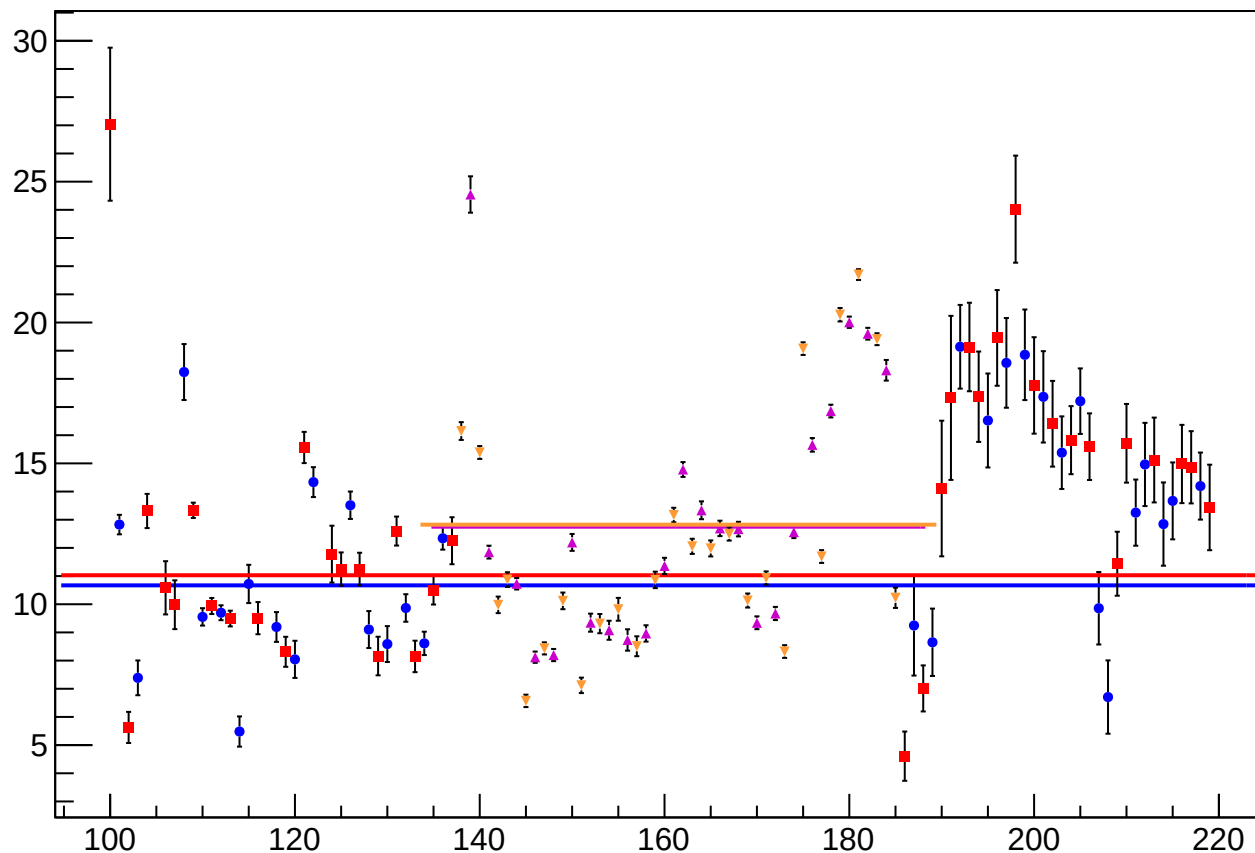
Left In: 10.488 ± 0.067 $\chi^2/\text{NDF}: 11498.1/22$

+ sign 16.987 ± 0.051 $\chi^2/\text{NDF}: 48724.1/56$

All: 18.105 ± 0.036 $\chi^2/\text{NDF}: 108294.8/116$

- sign 19.166 ± 0.050 $\chi^2/\text{NDF}: 58639.1/59$

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.670 ± 0.108 χ^2/NDF : 611.4/31

Left Out: 12.825 ± 0.051 χ^2/NDF : 8016.5/24

Right Out: 11.029 ± 0.106 χ^2/NDF : 715.9/36

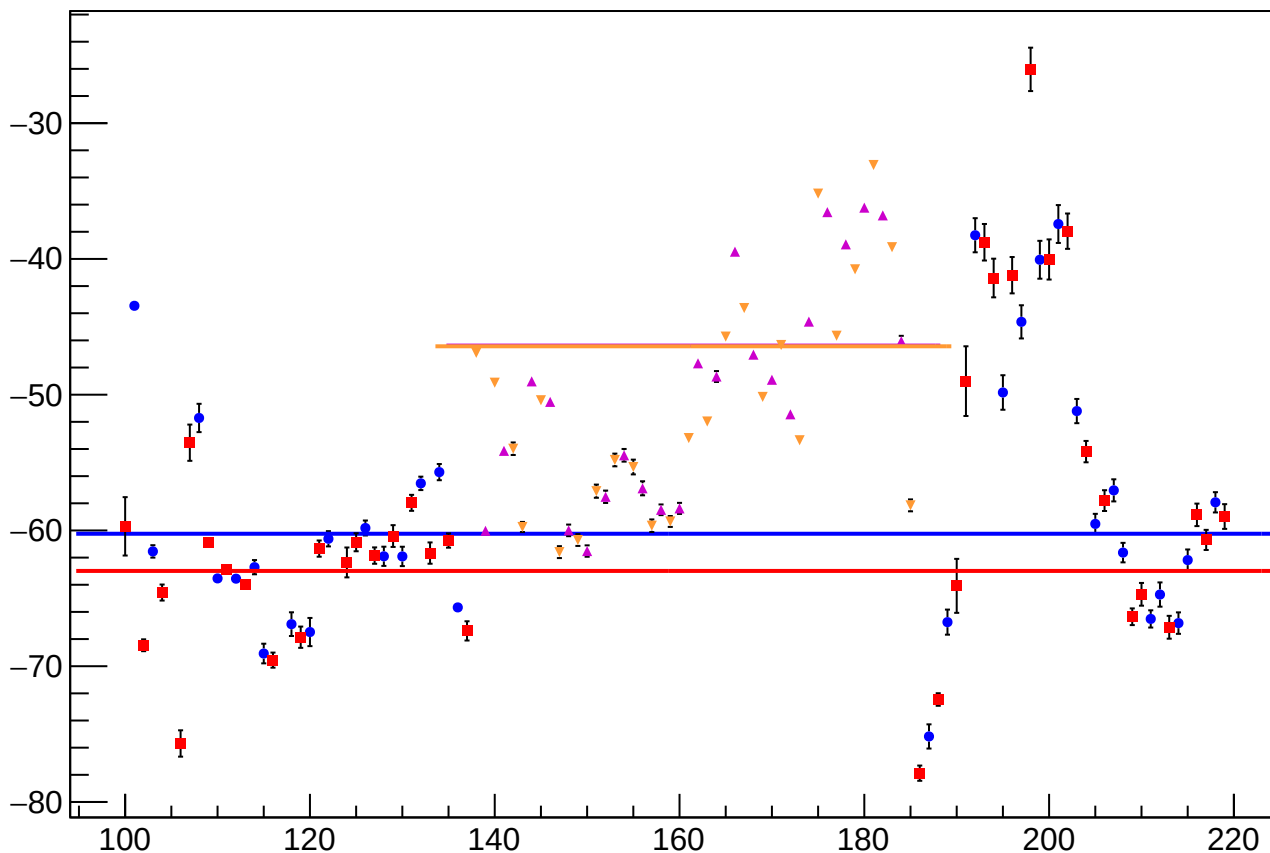
Left In: 12.752 ± 0.053 χ^2/NDF : 5502.5/22

+ sign 12.432 ± 0.046 χ^2/NDF : 8952.1/56

All: 12.422 ± 0.033 χ^2/NDF : 15381.2/116

- sign 12.410 ± 0.047 χ^2/NDF : 6428.9/59

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.243 ± 0.101 $\chi^2/\text{NDF}: 5272.7/31$

Left Out: -46.435 ± 0.064 $\chi^2/\text{NDF}: 18170.4/24$

Right Out: -62.982 ± 0.095 $\chi^2/\text{NDF}: 4243.5/36$

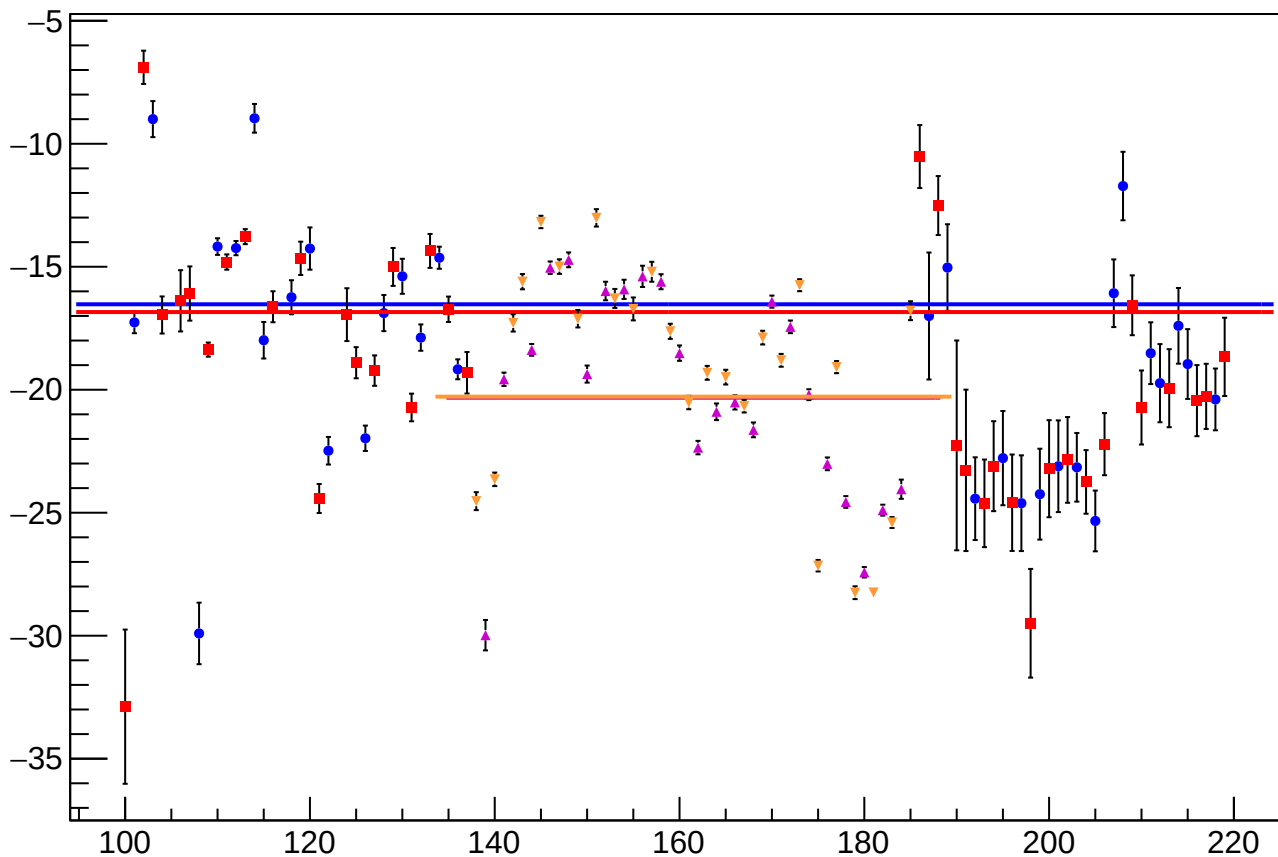
Left In: -46.383 ± 0.067 $\chi^2/\text{NDF}: 15080.6/22$

+ sign -50.456 ± 0.054 $\chi^2/\text{NDF}: 36818.2/56$

All: -51.172 ± 0.038 $\chi^2/\text{NDF}: 77011.1/116$

- sign -51.898 ± 0.055 $\chi^2/\text{NDF}: 39841.4/59$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.526 ± 0.121 χ^2/NDF : 991.4/31

Left Out: -20.281 ± 0.057 χ^2/NDF : 7019.5/24

Right Out: -16.842 ± 0.118 χ^2/NDF : 907.5/36

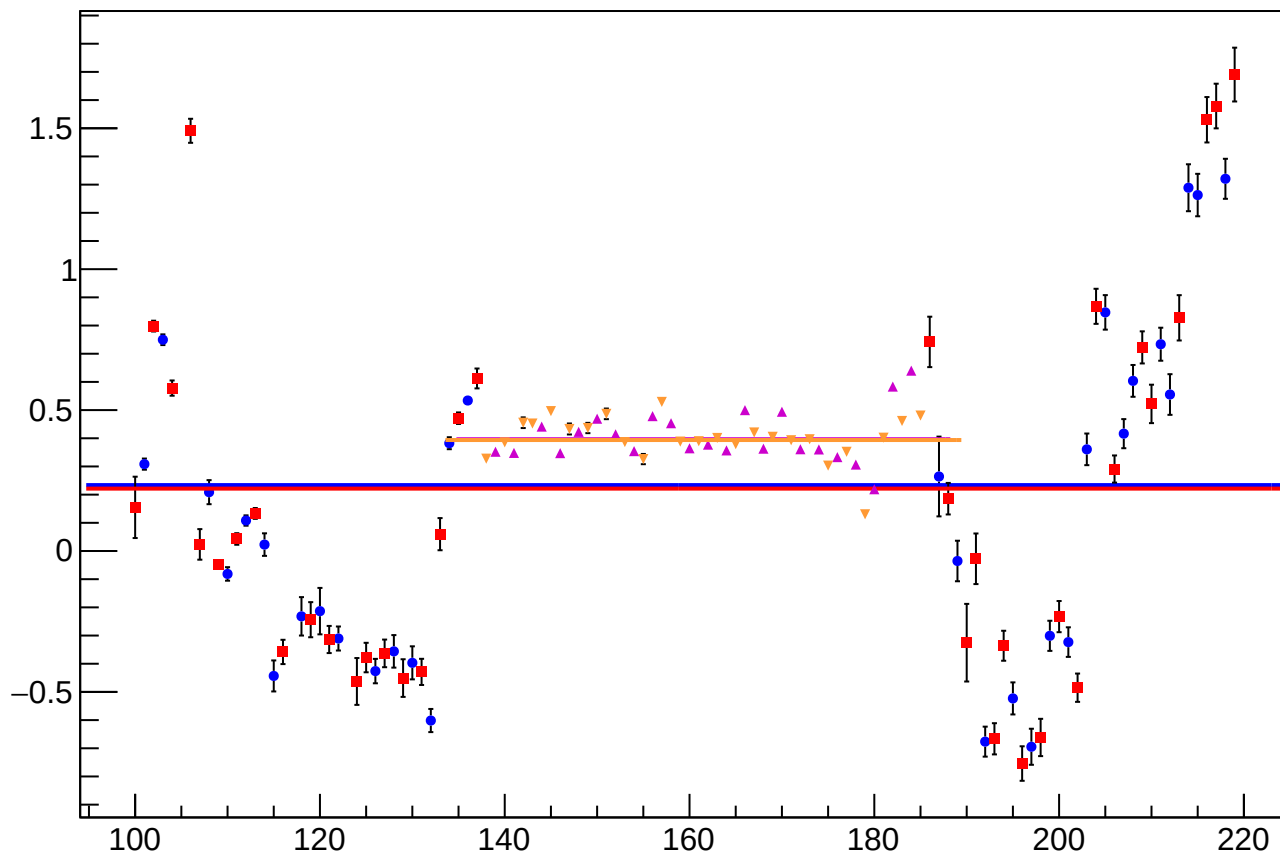
Left In: -20.324 ± 0.059 χ^2/NDF : 4272.7/22

+ sign -19.595 ± 0.052 χ^2/NDF : 8801.6/56

All: -19.611 ± 0.037 χ^2/NDF : 14677.2/116

- sign -19.627 ± 0.053 χ^2/NDF : 5875.5/59

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.234 ± 0.006 χ^2/NDF : 4375.4/31

Left Out: 0.394 ± 0.003 χ^2/NDF : 946.9/24

Right Out: 0.221 ± 0.006 χ^2/NDF : 5779.6/36

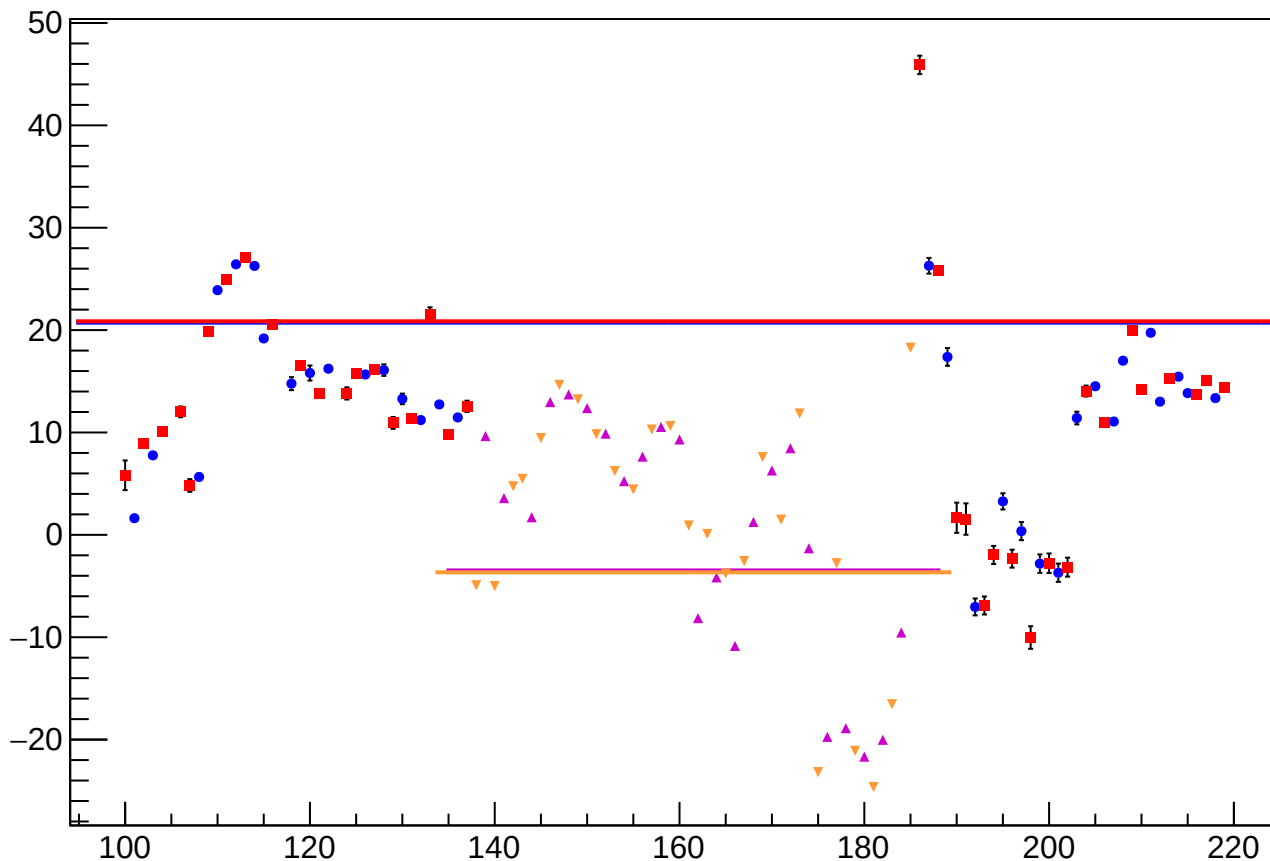
Left In: 0.397 ± 0.003 χ^2/NDF : 1295.7/22

+ sign 0.372 ± 0.002 χ^2/NDF : 5855.9/56

All: 0.372 ± 0.002 χ^2/NDF : 13568.1/116

- sign 0.372 ± 0.002 χ^2/NDF : 7712.3/59

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 20.727 ± 0.051 $\chi^2/\text{NDF}: 19318.4/31$

Left Out: -3.660 ± 0.055 $\chi^2/\text{NDF}: 56739.4/24$

Right Out: 20.860 ± 0.043 $\chi^2/\text{NDF}: 19131.7/36$

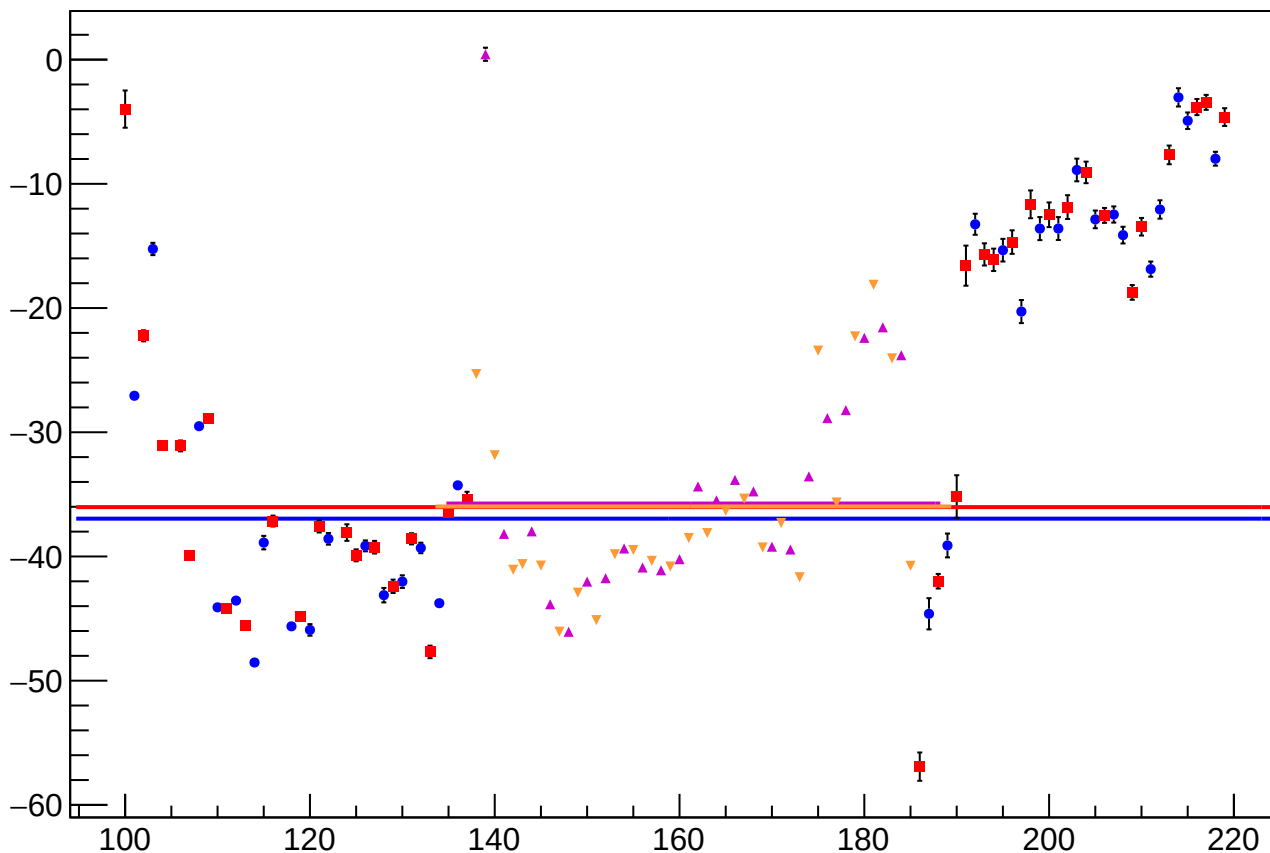
Left In: -3.475 ± 0.057 $\chi^2/\text{NDF}: 45103.9/22$

+ sign 9.339 ± 0.037 $\chi^2/\text{NDF}: 182642.6/56$

All: 10.831 ± 0.025 $\chi^2/\text{NDF}: 364874.1/116$

- sign 12.105 ± 0.034 $\chi^2/\text{NDF}: 179259.6/59$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -36.955 ± 0.071 χ^2/NDF : 27153.0/31

Left Out: -35.973 ± 0.042 χ^2/NDF : 33609.3/24

Right Out: -36.026 ± 0.066 χ^2/NDF : 28714.6/36

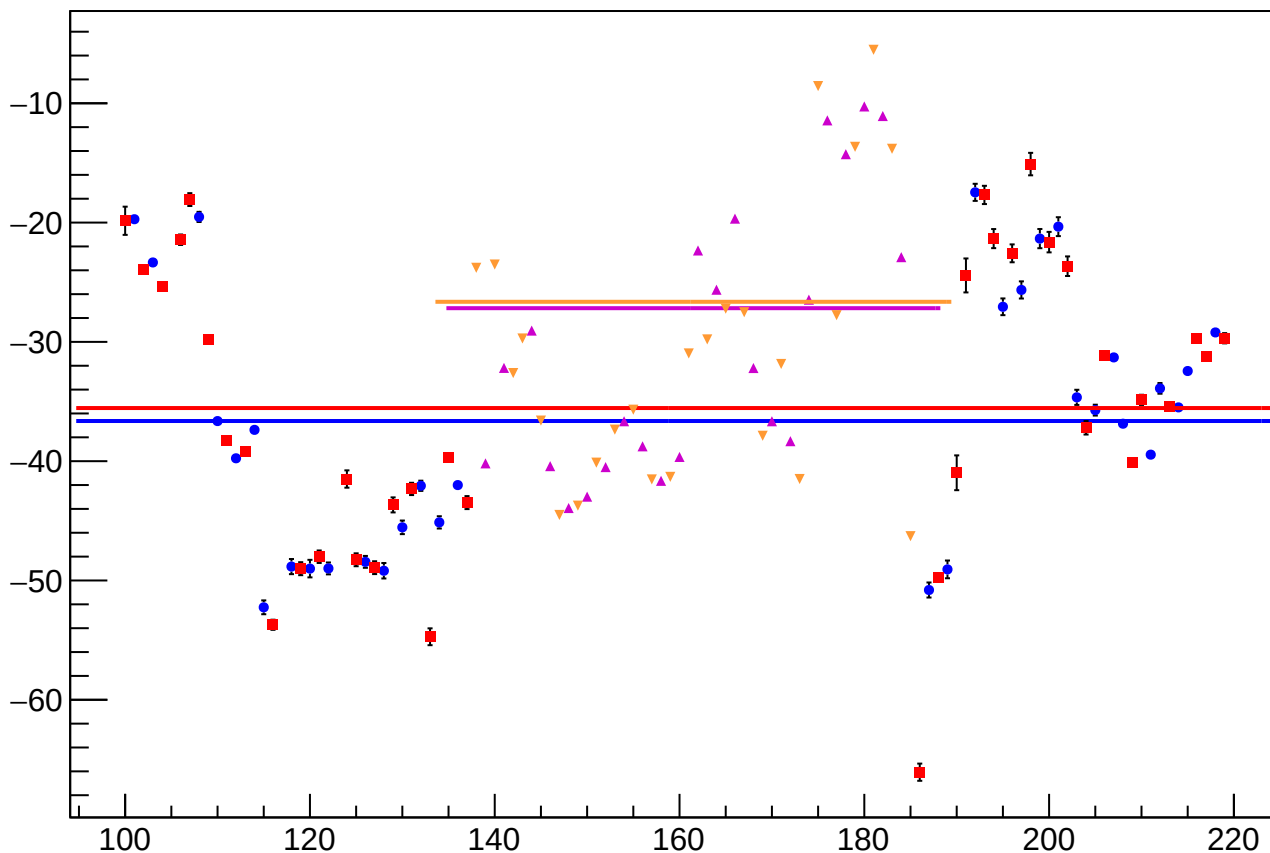
Left In: -35.737 ± 0.045 χ^2/NDF : 27154.8/22

+ sign -36.231 ± 0.036 χ^2/NDF : 60903.4/56

All: -36.034 ± 0.026 χ^2/NDF : 116845.7/116

- sign -35.828 ± 0.037 χ^2/NDF : 55882.4/59

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -36.633 ± 0.063 $\chi^2/\text{NDF}: 14628.2/31$

Left Out: -26.639 ± 0.055 $\chi^2/\text{NDF}: 50051.9/24$

Right Out: -35.546 ± 0.056 $\chi^2/\text{NDF}: 19999.3/36$

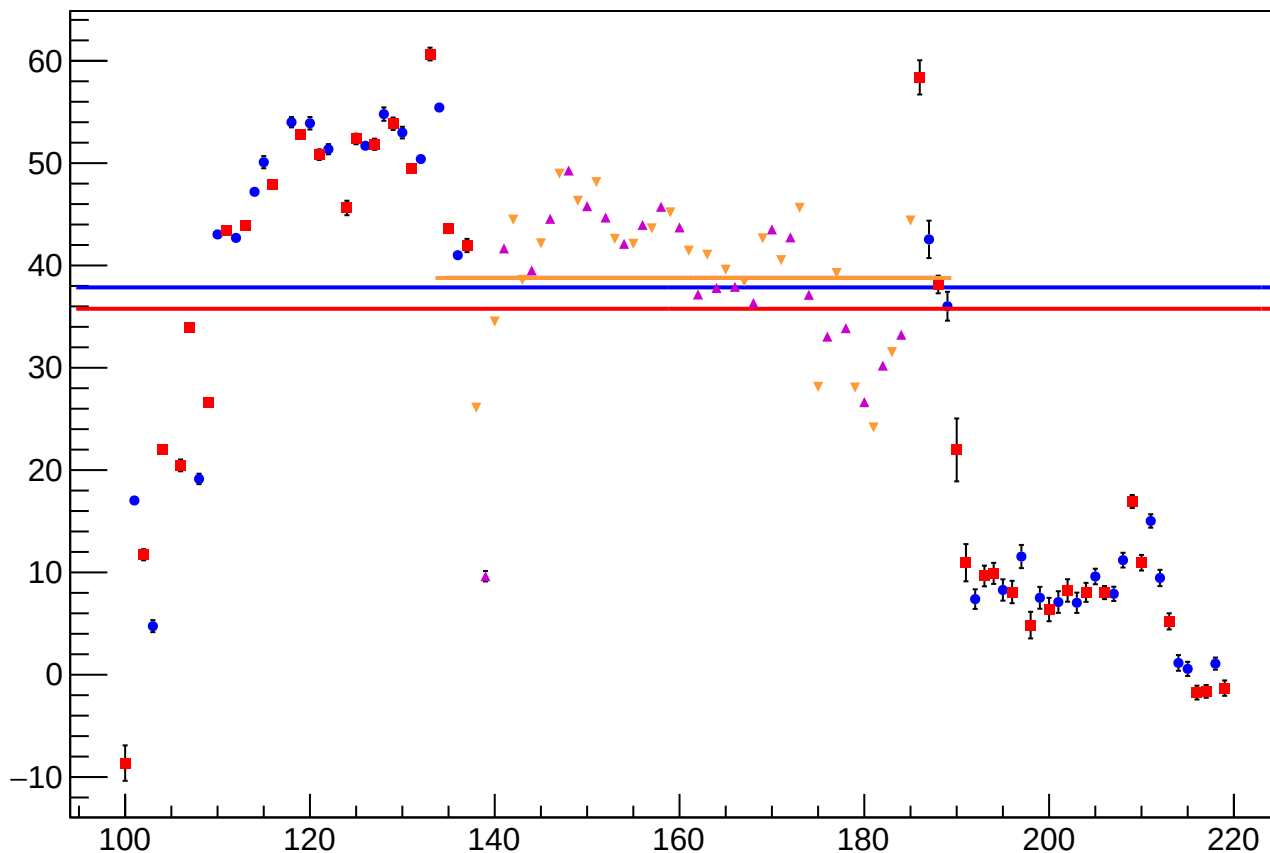
Left In: -27.176 ± 0.057 $\chi^2/\text{NDF}: 40990.1/22$

+ sign -30.937 ± 0.041 $\chi^2/\text{NDF}: 79096.6/56$

All: -31.183 ± 0.029 $\chi^2/\text{NDF}: 150996.5/116$

- sign -31.417 ± 0.040 $\chi^2/\text{NDF}: 71830.3/59$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 37.857 ± 0.079 χ^2/NDF : 39182.7/31

Left Out: 38.777 ± 0.048 χ^2/NDF : 21070.6/24

Right Out: 35.767 ± 0.073 χ^2/NDF : 39803.4/36

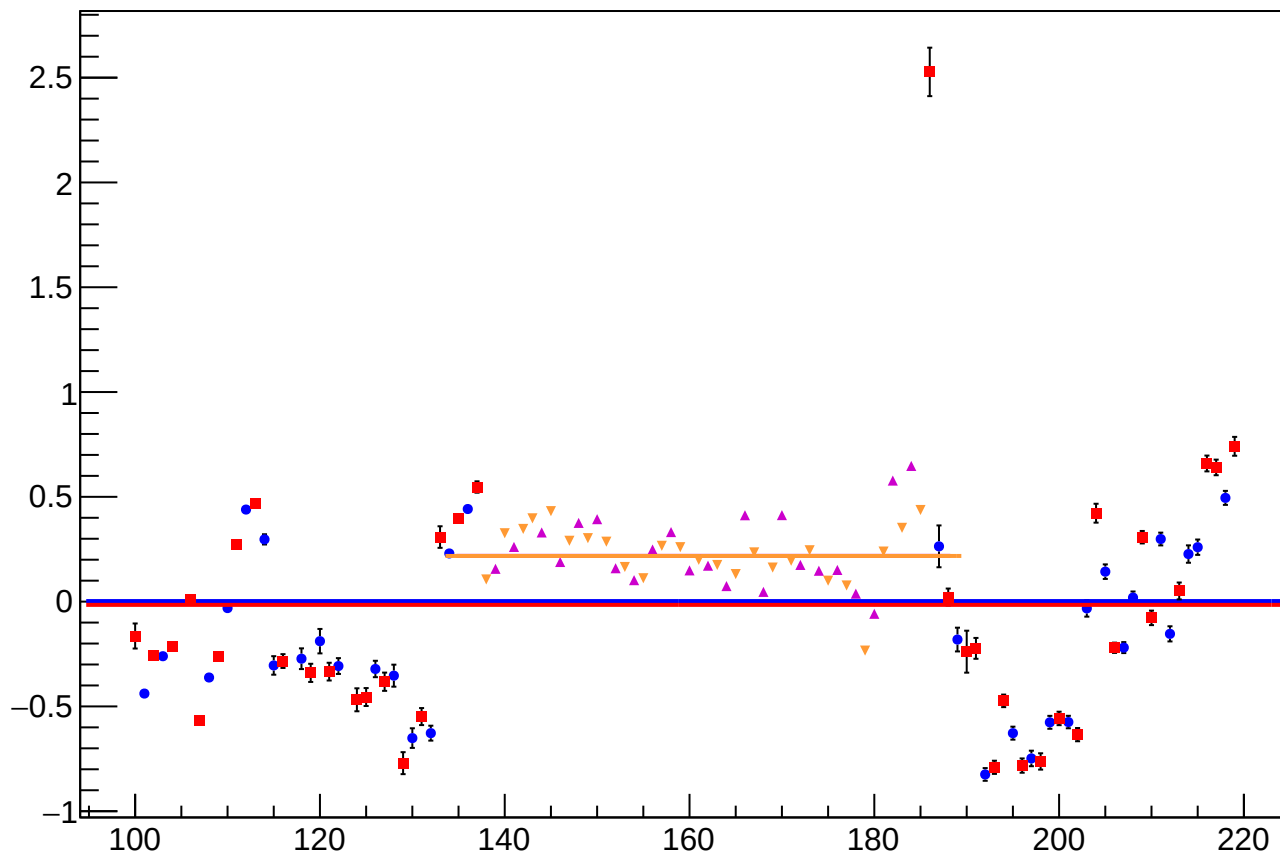
Left In: 38.791 ± 0.050 χ^2/NDF : 16240.7/22

+ sign 38.531 ± 0.041 χ^2/NDF : 60353.1/56

All: 38.182 ± 0.029 χ^2/NDF : 117705.8/116

- sign 37.825 ± 0.041 χ^2/NDF : 57205.1/59

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.003 ± 0.004 χ^2/NDF : 8473.0/31

Left Out: 0.218 ± 0.002 χ^2/NDF : 4075.0/24

Right Out: -0.015 ± 0.004 χ^2/NDF : 10569.5/36

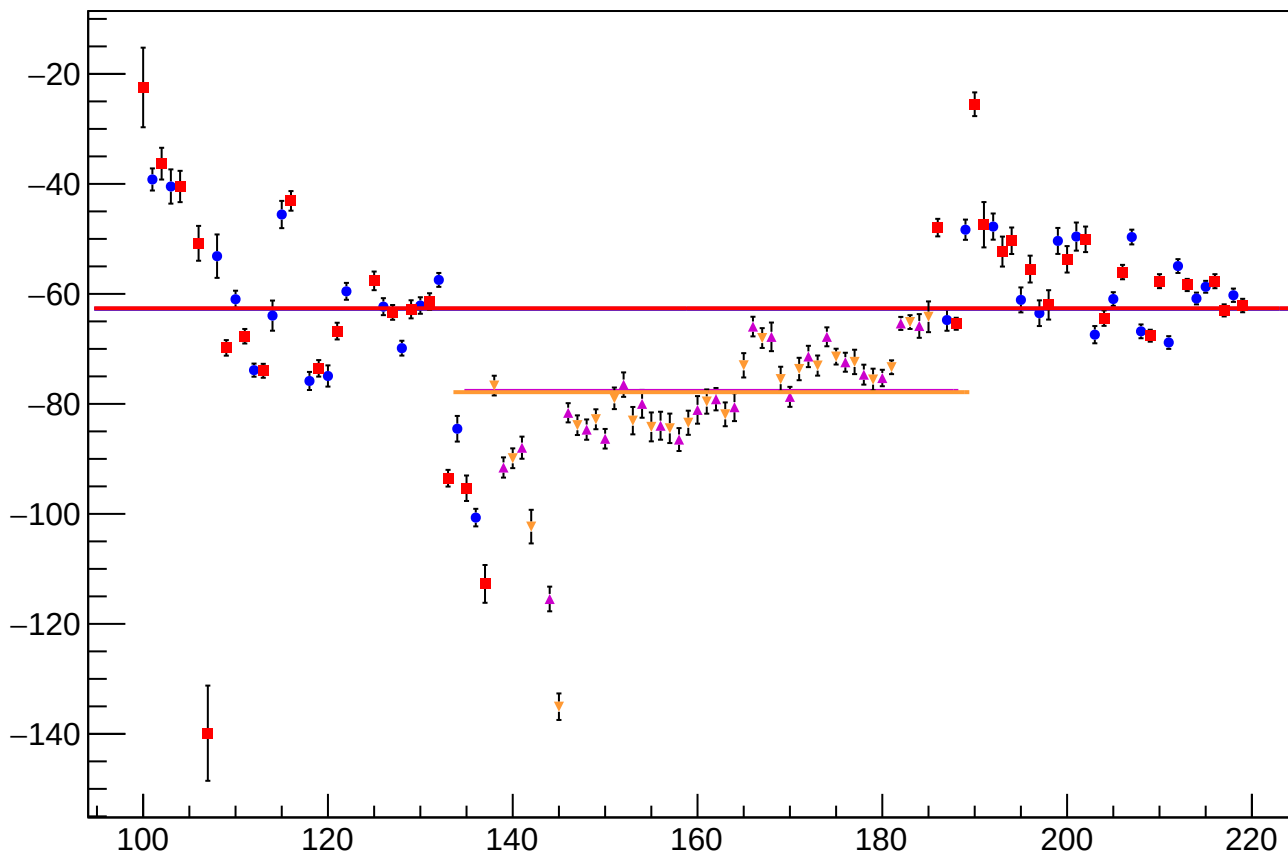
Left In: 0.218 ± 0.002 χ^2/NDF : 5312.2/22

+ sign 0.174 ± 0.002 χ^2/NDF : 14617.0/56

All: 0.167 ± 0.001 χ^2/NDF : 33218.3/116

- sign 0.161 ± 0.002 χ^2/NDF : 18580.0/59

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -62.707 ± 0.277 $\chi^2/\text{NDF}: 1497.5/31$

Left Out: -77.867 ± 0.394 $\chi^2/\text{NDF}: 932.3/23$

Right Out: -62.619 ± 0.271 $\chi^2/\text{NDF}: 1990.6/35$

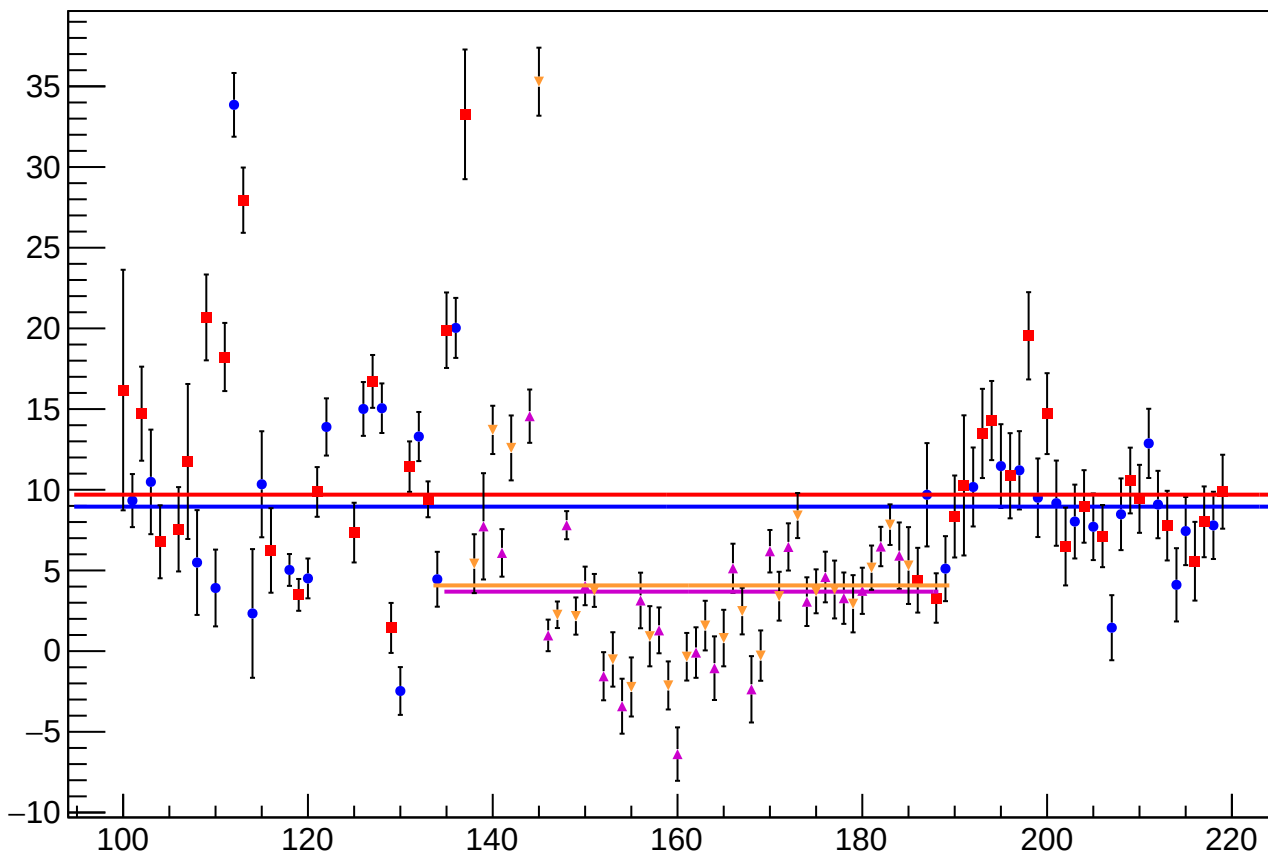
Left In: -77.643 ± 0.396 $\chi^2/\text{NDF}: 693.3/22$

+ sign -67.730 ± 0.227 $\chi^2/\text{NDF}: 3419.4/55$

All: -67.561 ± 0.159 $\chi^2/\text{NDF}: 7083.7/114$

- sign -67.398 ± 0.224 $\chi^2/\text{NDF}: 3663.2/58$

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 8.954 ± 0.342 $\chi^2/\text{NDF}: 372.4/31$

Left Out: 4.073 ± 0.297 $\chi^2/\text{NDF}: 370.6/23$

Right Out: 9.697 ± 0.338 $\chi^2/\text{NDF}: 321.2/35$

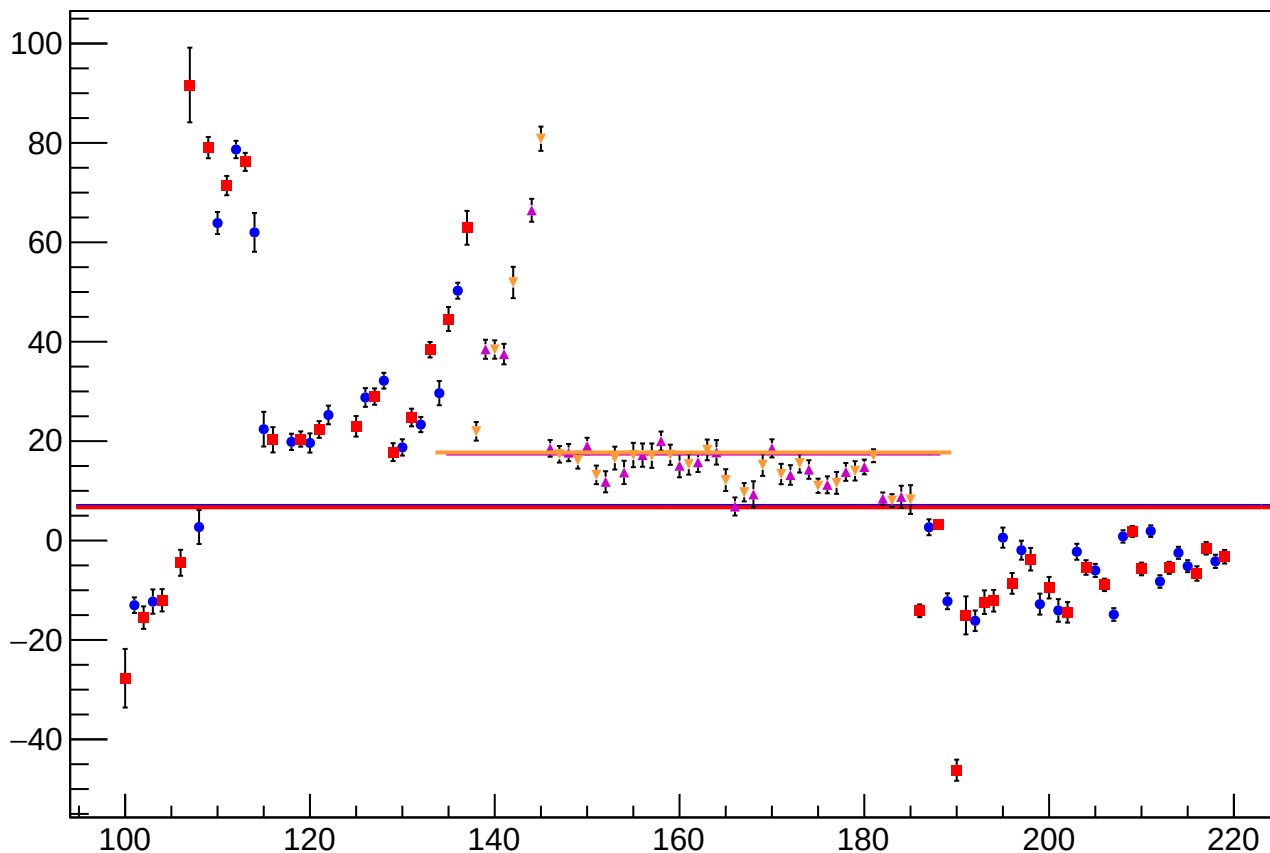
Left In: 3.686 ± 0.302 $\chi^2/\text{NDF}: 182.6/22$

+ sign 6.172 ± 0.224 $\chi^2/\text{NDF}: 859.3/55$

All: 6.263 ± 0.159 $\chi^2/\text{NDF}: 1539.7/114$

- sign 6.355 ± 0.225 $\chi^2/\text{NDF}: 680.1/58$

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 6.958 ± 0.291 $\chi^2/\text{NDF}: 5673.2/31$

Left Out: 17.723 ± 0.391 $\chi^2/\text{NDF}: 1058.3/23$

Right Out: 6.689 ± 0.283 $\chi^2/\text{NDF}: 7502.7/35$

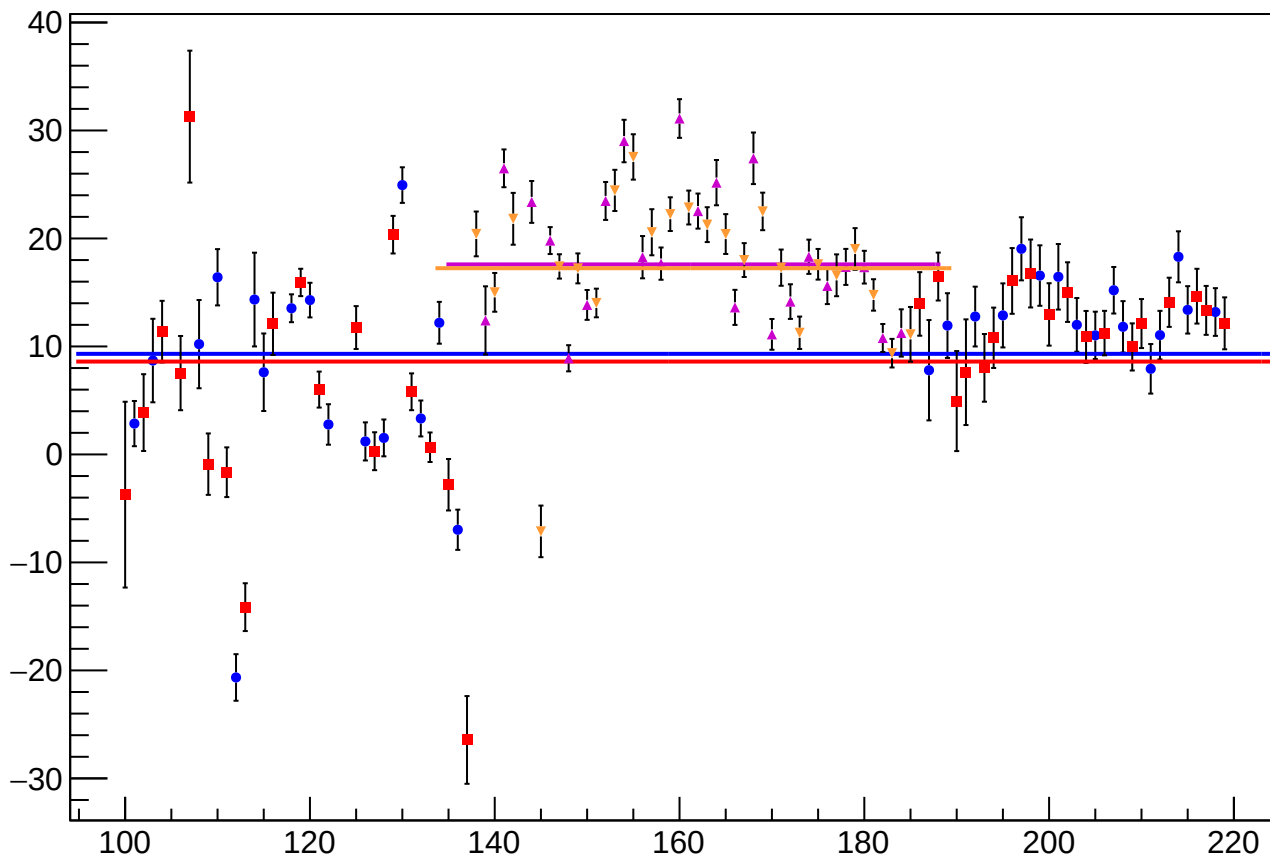
Left In: 17.491 ± 0.393 $\chi^2/\text{NDF}: 820.7/22$

+ sign 10.801 ± 0.234 $\chi^2/\text{NDF}: 7218.7/55$

All: 10.585 ± 0.164 $\chi^2/\text{NDF}: 16042.1/114$

- sign 10.376 ± 0.229 $\chi^2/\text{NDF}: 8821.7/58$

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.315 ± 0.390 χ^2/NDF : 527.1/31

Left Out: 17.245 ± 0.338 χ^2/NDF : 260.8/23

Right Out: 8.600 ± 0.389 χ^2/NDF : 457.7/35

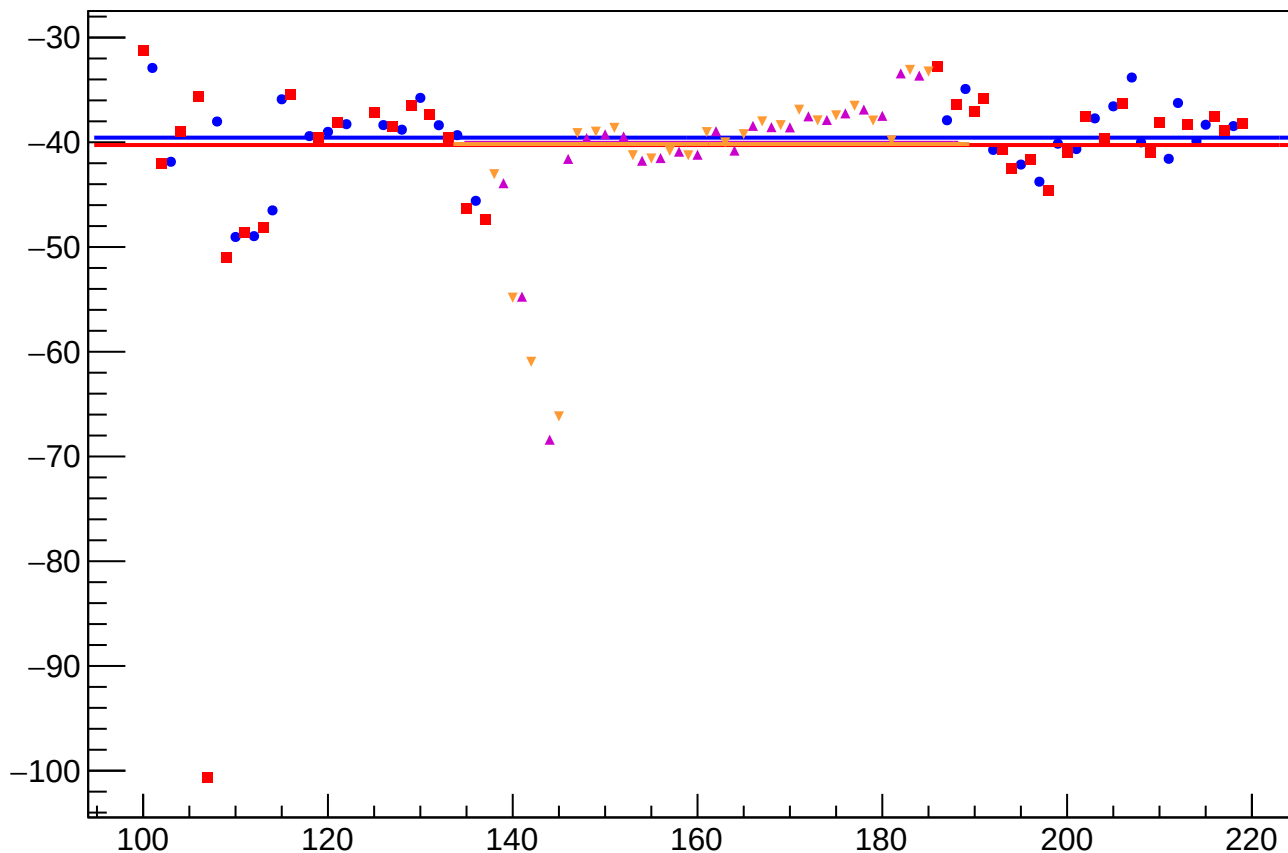
Left In: 17.597 ± 0.342 χ^2/NDF : 309.7/22

+ sign 13.844 ± 0.256 χ^2/NDF : 1023.9/55

All: 13.760 ± 0.181 χ^2/NDF : 2092.7/114

- sign 13.675 ± 0.257 χ^2/NDF : 1068.6/58

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.557 ± 0.020 $\chi^2/\text{NDF}: 33930.5/31$

Left Out: -40.165 ± 0.015 $\chi^2/\text{NDF}: 163335.9/23$

Right Out: -40.263 ± 0.019 $\chi^2/\text{NDF}: 74185.7/35$

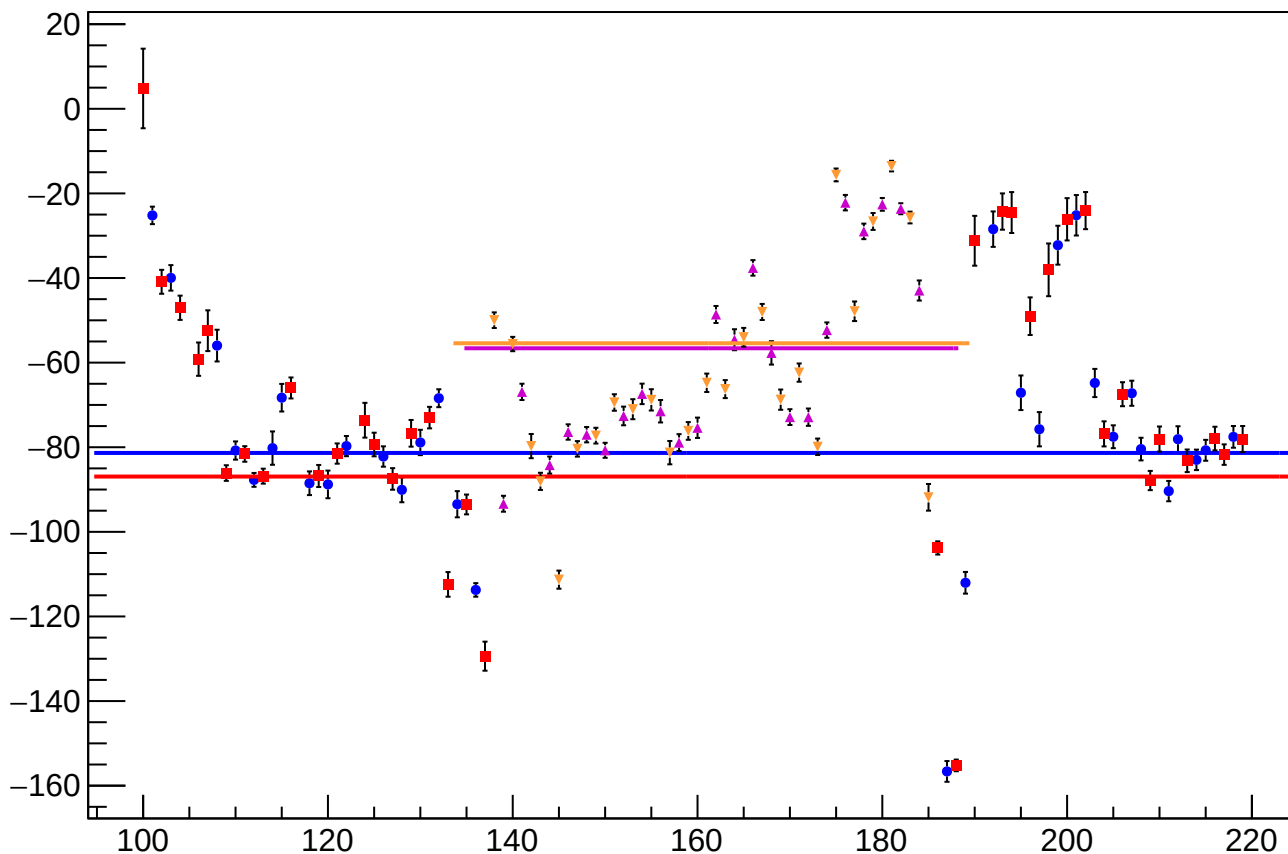
Left In: -40.050 ± 0.015 $\chi^2/\text{NDF}: 136438.5/22$

+ sign -39.932 ± 0.012 $\chi^2/\text{NDF}: 197859.9/55$

All: -40.032 ± 0.009 $\chi^2/\text{NDF}: 408695.0/114$

- sign -40.132 ± 0.012 $\chi^2/\text{NDF}: 210698.1/58$

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.347 ± 0.471 $\chi^2/\text{NDF}: 3064.6/31$

Left Out: -55.424 ± 0.393 $\chi^2/\text{NDF}: 4525.3/24$

Right Out: -86.930 ± 0.445 $\chi^2/\text{NDF}: 4640.8/35$

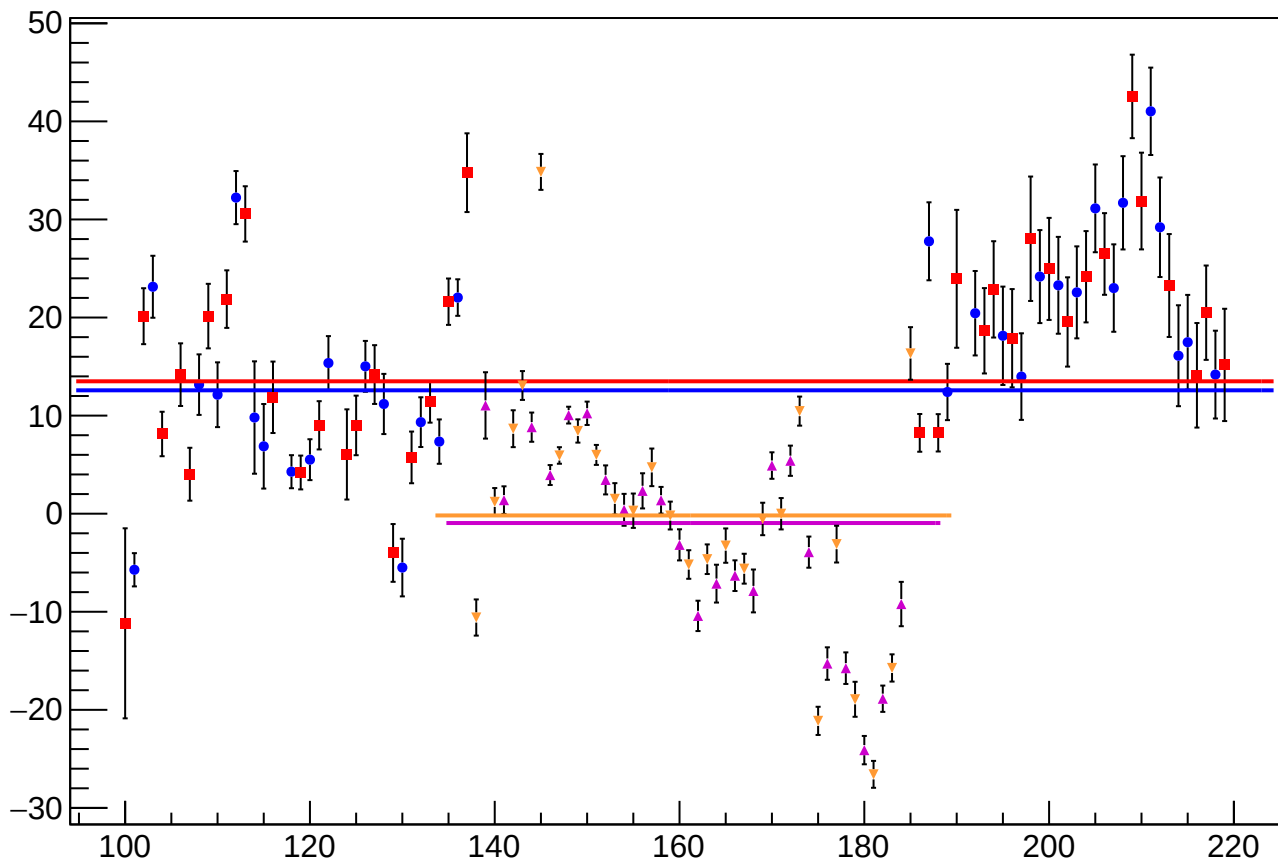
Left In: -56.609 ± 0.404 $\chi^2/\text{NDF}: 3350.3/22$

+ sign -66.080 ± 0.302 $\chi^2/\text{NDF}: 9375.8/56$

All: -68.217 ± 0.212 $\chi^2/\text{NDF}: 20015.2/115$

- sign -70.313 ± 0.299 $\chi^2/\text{NDF}: 10540.2/58$

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 12.579 ± 0.541 $\chi^2/\text{NDF}: 417.4/31$

Left Out: -0.179 ± 0.294 $\chi^2/\text{NDF}: 1598.6/24$

Right Out: 13.498 ± 0.525 $\chi^2/\text{NDF}: 317.1/35$

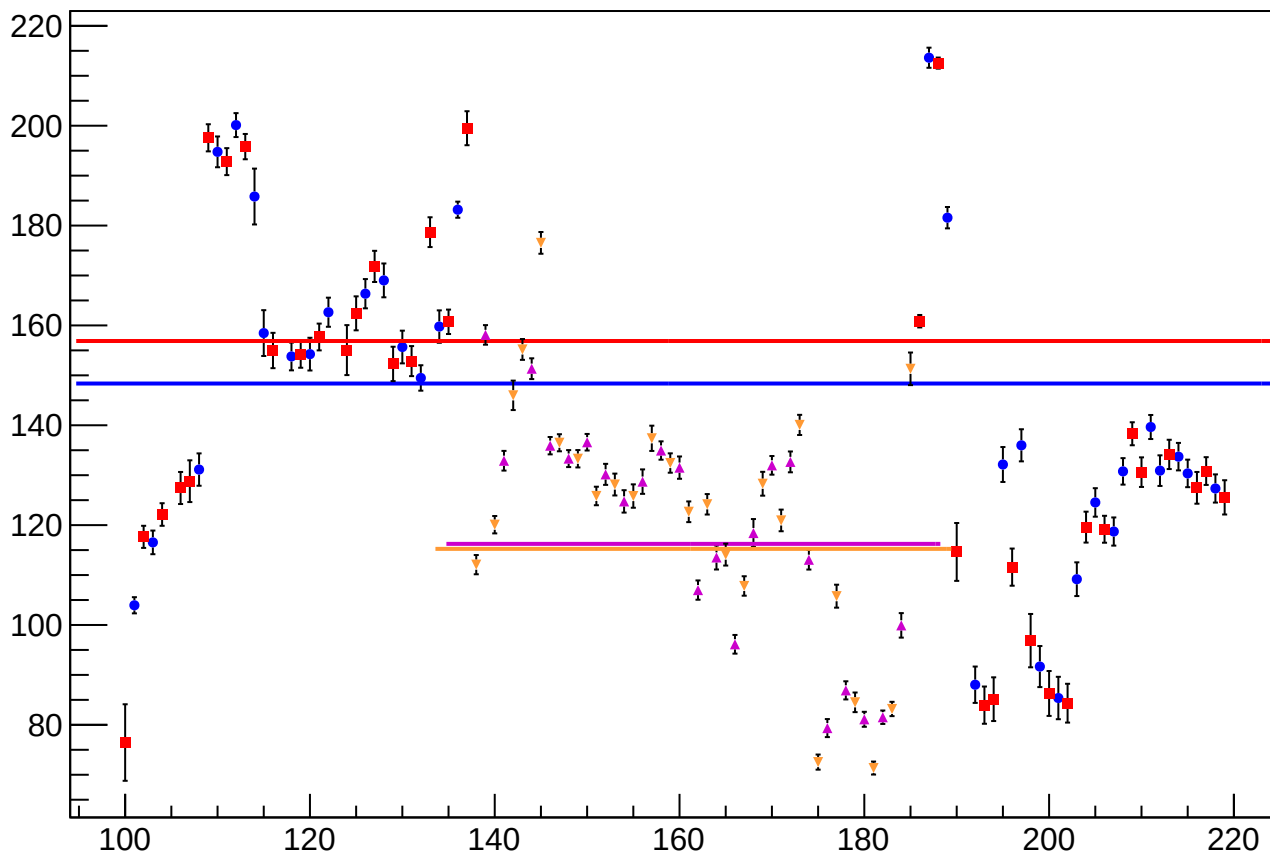
Left In: -0.952 ± 0.304 $\chi^2/\text{NDF}: 1069.6/22$

+ sign 2.731 ± 0.258 $\chi^2/\text{NDF}: 2445.2/56$

All: 2.702 ± 0.184 $\chi^2/\text{NDF}: 4398.3/115$

- sign 2.672 ± 0.263 $\chi^2/\text{NDF}: 1953.1/58$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 148.361 $\pm$ 0.484 χ^2 /NDF: 4835.0/31

Left Out: 115.243 $\pm$ 0.390 χ^2 /NDF: 4836.5/24

Right Out: 156.877 $\pm$ 0.449 χ^2 /NDF: 6568.5/35

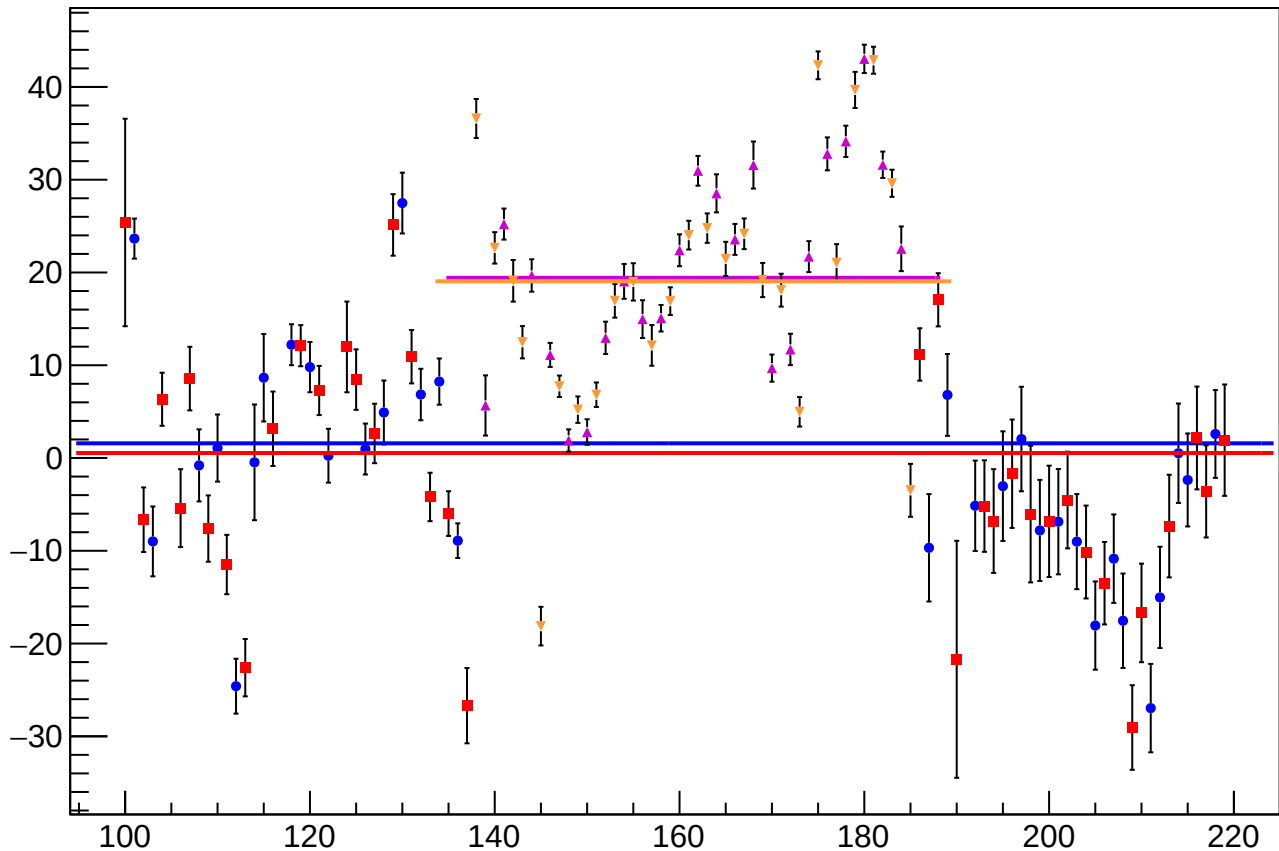
Left In: 116.246 $\pm$ 0.399 χ^2 /NDF: 3637.3/22

+ sign 128.284 $\pm$ 0.304 χ^2 /NDF: 12506.1/56

All: 131.277 $\pm$ 0.213 χ^2 /NDF: 27471.5/115

- sign 134.163 $\pm$ 0.298 χ^2 /NDF: 14774.9/58

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 1.584 ± 0.624 χ^2/NDF : 432.9/31

Left Out: 19.046 ± 0.336 χ^2/NDF : 1545.8/24

Right Out: 0.541 ± 0.618 χ^2/NDF : 392.7/35

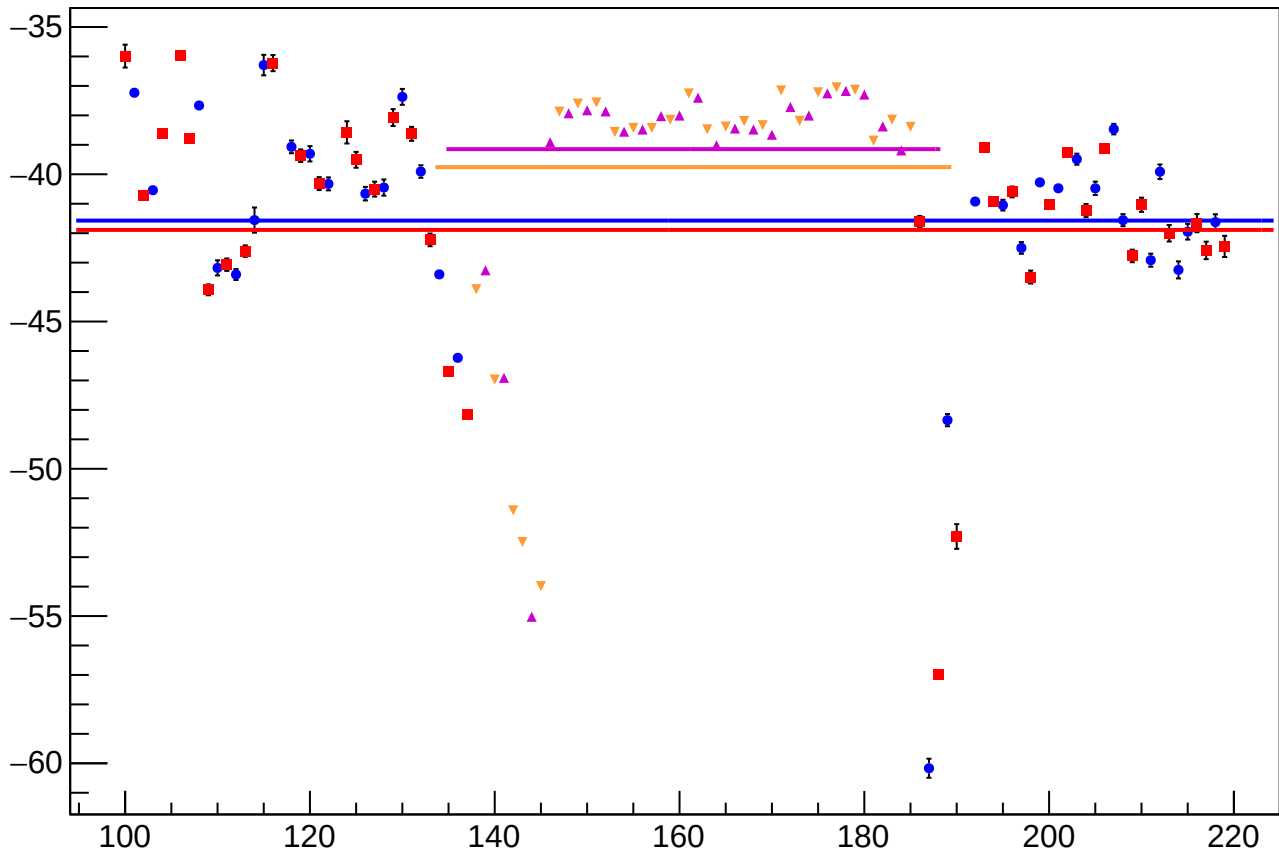
Left In: 19.425 ± 0.346 χ^2/NDF : 1077.2/22

+ sign 15.115 ± 0.296 χ^2/NDF : 2586.3/56

All: 15.024 ± 0.211 χ^2/NDF : 4766.7/115

- sign 14.929 ± 0.302 χ^2/NDF : 2180.3/58

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.572 ± 0.030 χ^2/NDF : 13007.5/31

Left Out: -39.758 ± 0.015 χ^2/NDF : 81865.0/24

Right Out: -41.889 ± 0.031 χ^2/NDF : 19771.1/35

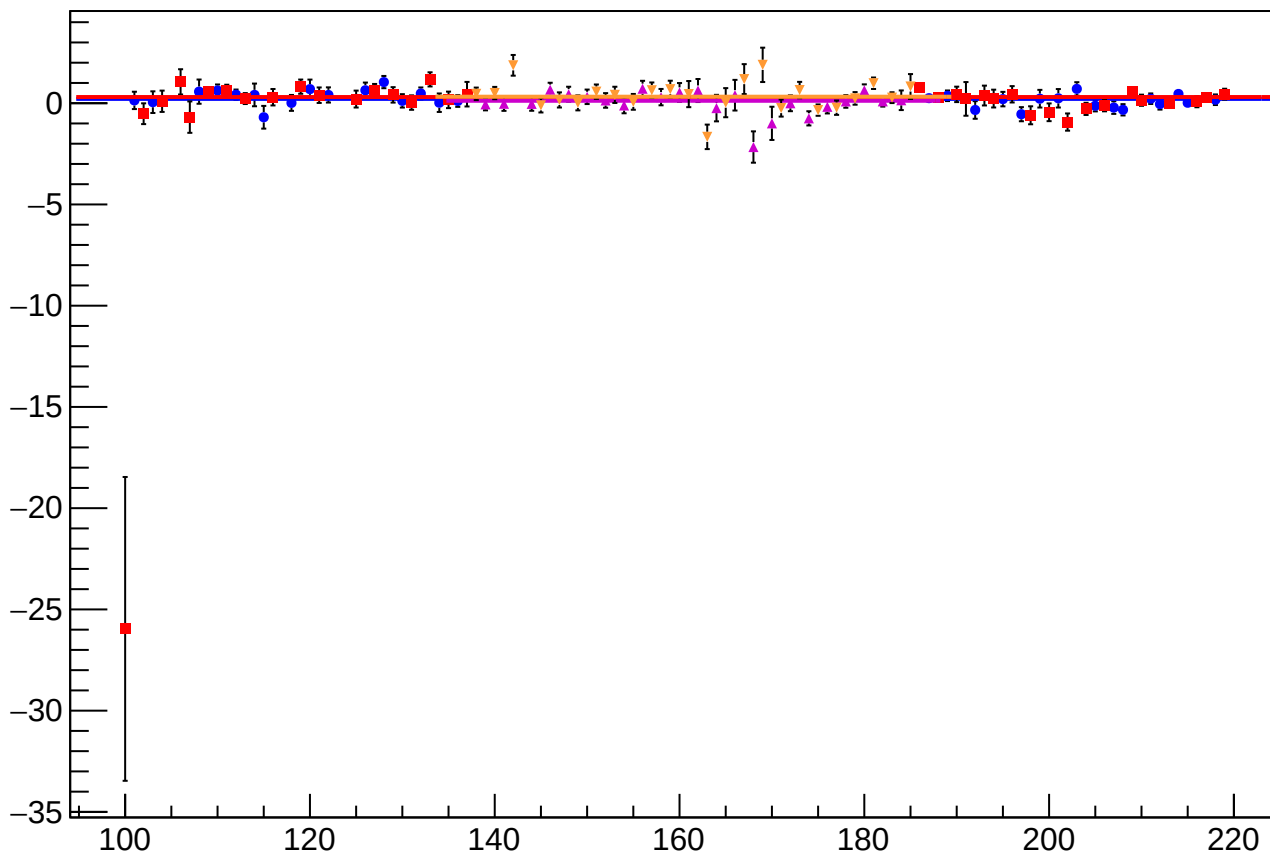
Left In: -39.147 ± 0.016 χ^2/NDF : 46907.5/22

+ sign -40.129 ± 0.014 χ^2/NDF : 97694.3/56

All: -39.921 ± 0.010 χ^2/NDF : 171160.1/115

- sign -39.710 ± 0.014 χ^2/NDF : 73007.8/58

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.214 ± 0.057 χ^2/NDF : 36.1/31

Left Out: 0.321 ± 0.078 χ^2/NDF : 46.9/23

Right Out: 0.304 ± 0.052 χ^2/NDF : 64.6/35

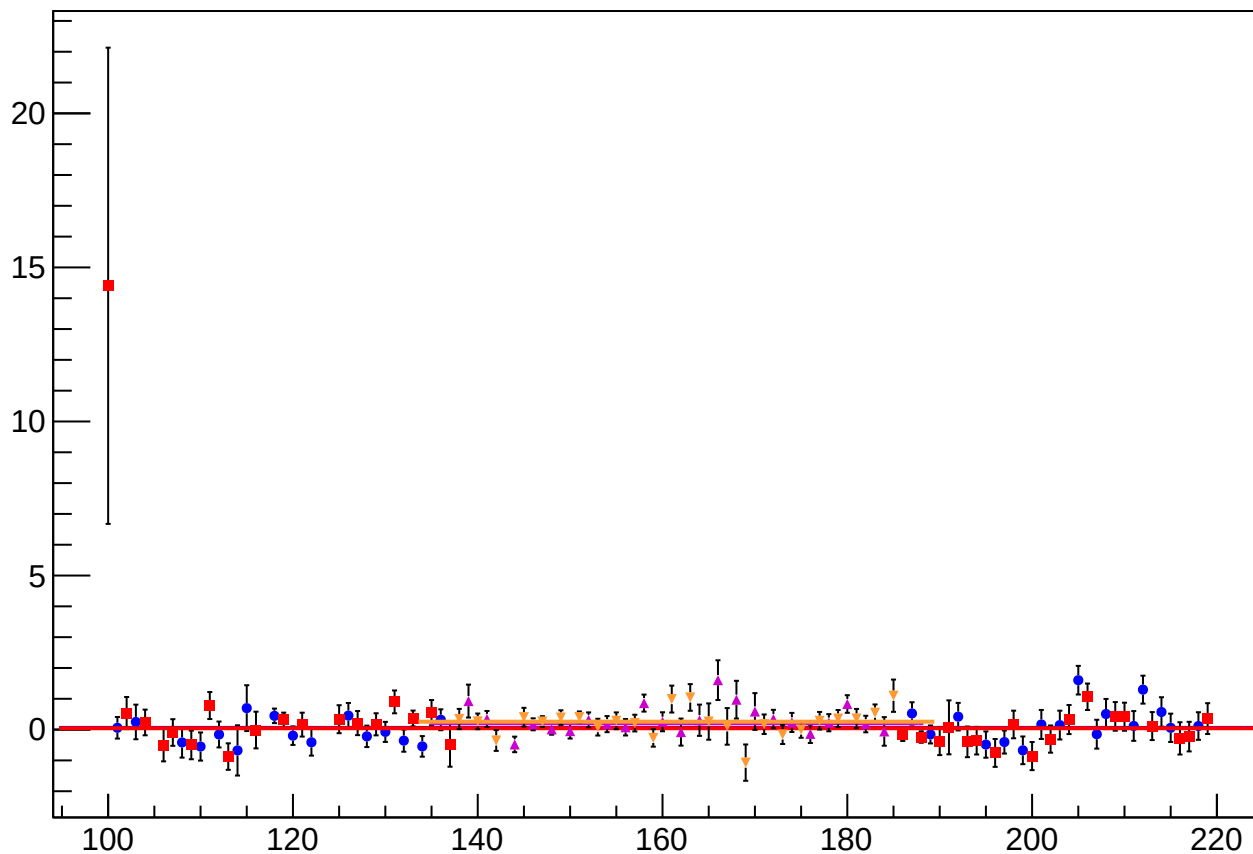
Left In: 0.120 ± 0.079 χ^2/NDF : 30.0/22

+ sign 0.251 ± 0.046 χ^2/NDF : 84.3/55

All: 0.250 ± 0.032 χ^2/NDF : 182.6/114

- sign 0.249 ± 0.043 χ^2/NDF : 98.3/58

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.055 ± 0.071 $\chi^2/\text{NDF}: 45.6/31$

Left Out: 0.257 ± 0.059 $\chi^2/\text{NDF}: 26.5/23$

Right Out: 0.044 ± 0.065 $\chi^2/\text{NDF}: 47.6/35$

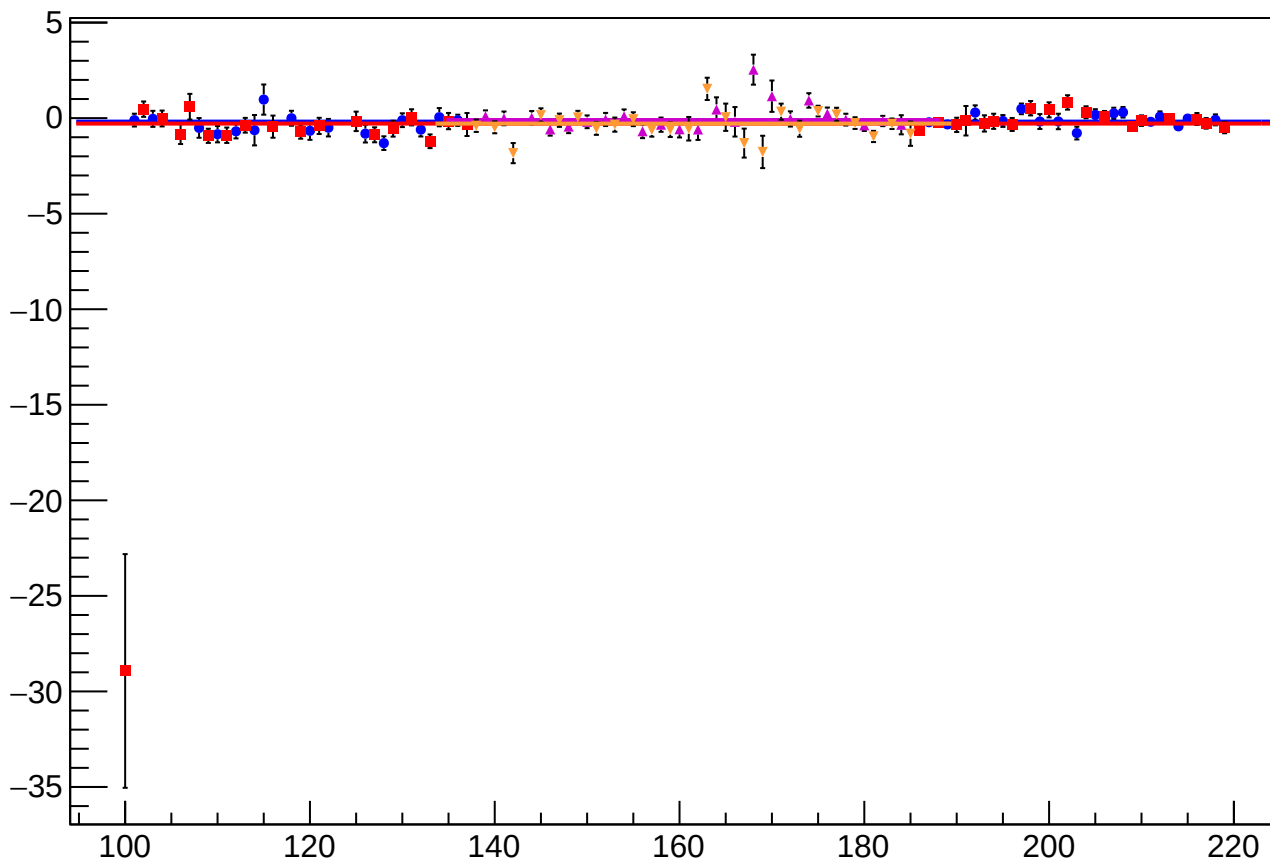
Left In: 0.207 ± 0.060 $\chi^2/\text{NDF}: 31.9/22$

+ sign 0.173 ± 0.045 $\chi^2/\text{NDF}: 76.9/55$

All: 0.152 ± 0.032 $\chi^2/\text{NDF}: 160.2/114$

- sign 0.132 ± 0.044 $\chi^2/\text{NDF}: 82.8/58$

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.182 ± 0.057 χ^2/NDF : 42.4/31

Left Out: -0.286 ± 0.077 χ^2/NDF : 45.0/23

Right Out: -0.286 ± 0.051 χ^2/NDF : 77.9/35

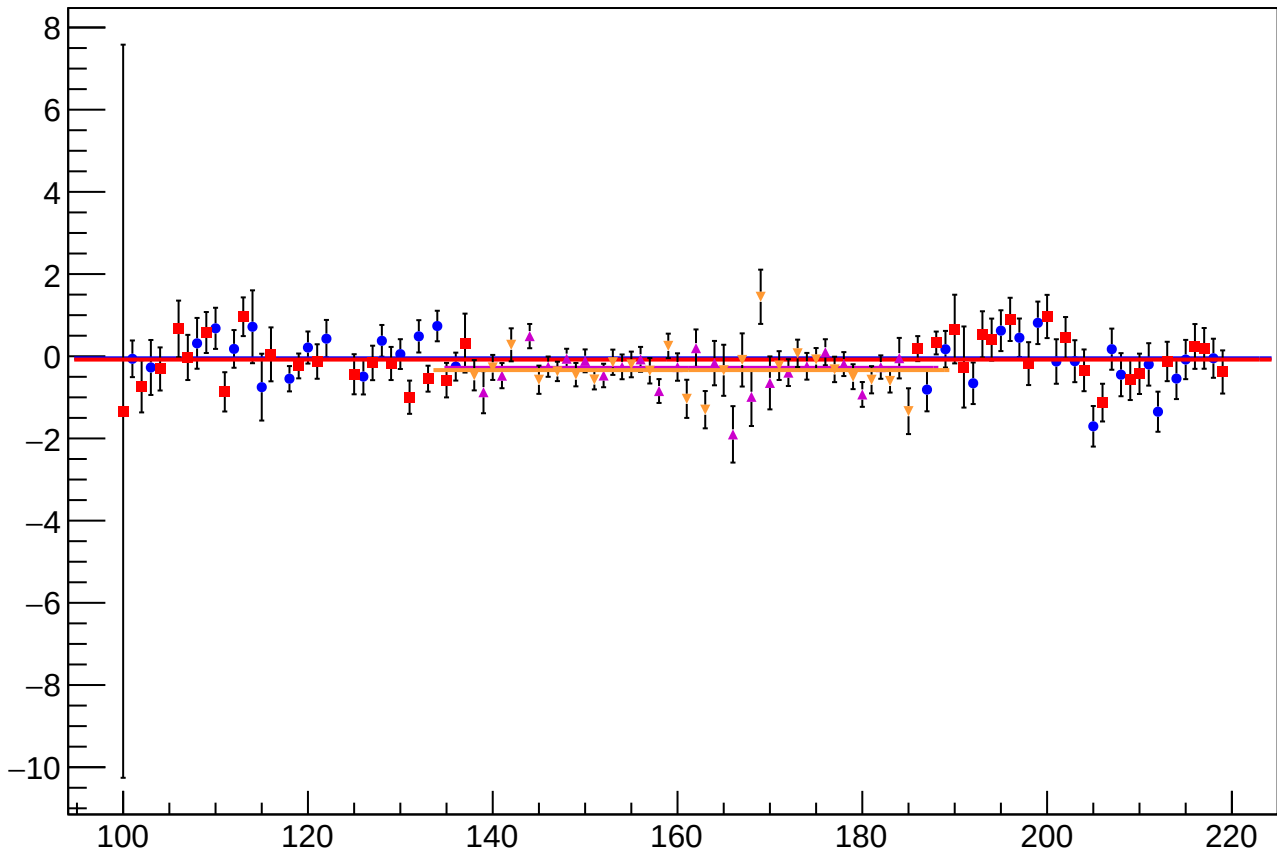
Left In: -0.100 ± 0.078 χ^2/NDF : 33.2/22

+ sign -0.219 ± 0.046 χ^2/NDF : 88.7/55

All: -0.226 ± 0.031 χ^2/NDF : 203.8/114

- sign -0.231 ± 0.043 χ^2/NDF : 115.1/58

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.050 ± 0.082 χ^2/NDF : 47.2/31

Left Out: -0.337 ± 0.068 χ^2/NDF : 30.1/23

Right Out: -0.081 ± 0.078 χ^2/NDF : 44.0/35

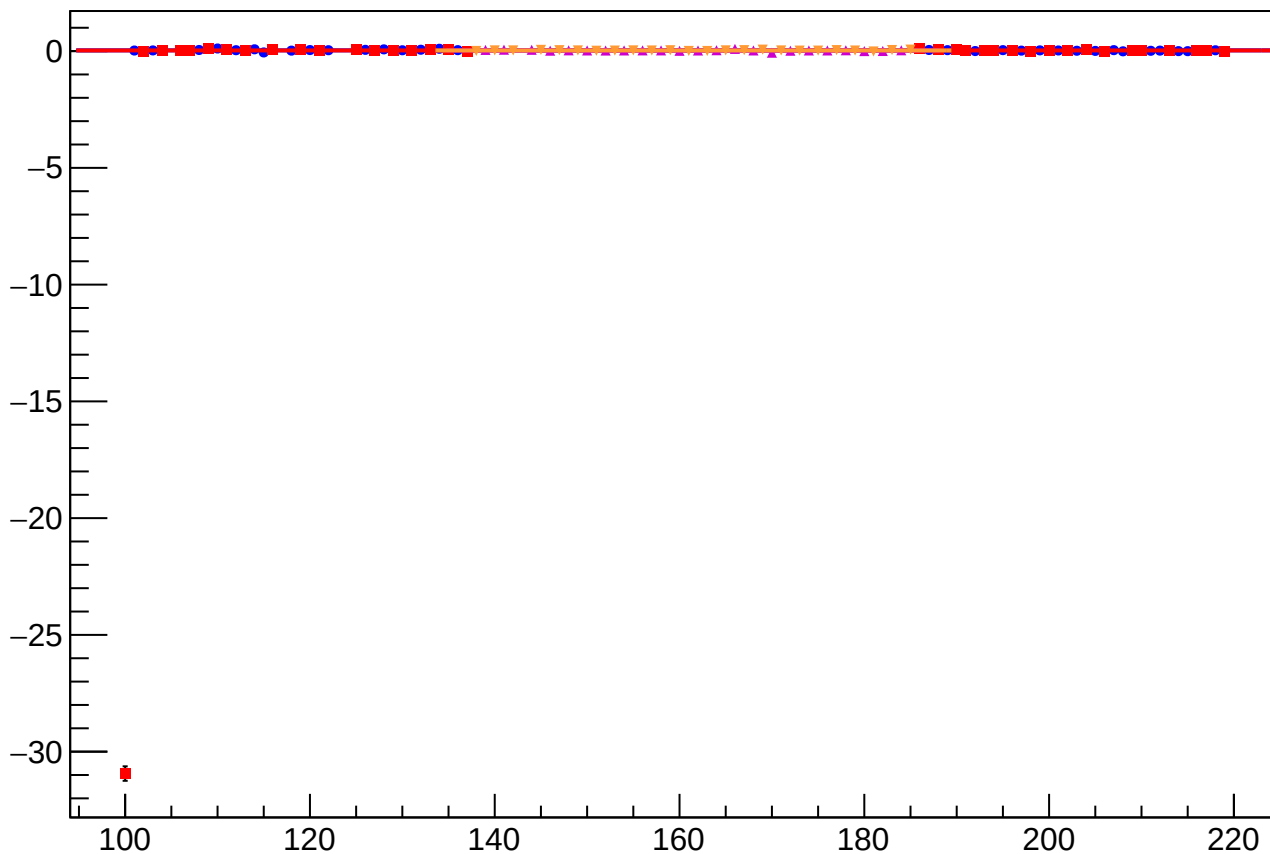
Left In: -0.282 ± 0.069 χ^2/NDF : 29.0/22

+ sign -0.219 ± 0.052 χ^2/NDF : 84.6/55

All: -0.207 ± 0.037 χ^2/NDF : 161.5/114

- sign -0.194 ± 0.052 χ^2/NDF : 76.7/58

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.033 $\pm$ 0.004 χ^2 /NDF: 40.6/31

Left Out: 0.028 $\pm$ 0.003 χ^2 /NDF: 27.6/23

Right Out: 0.030 $\pm$ 0.004 χ^2 /NDF: 10058.6/35

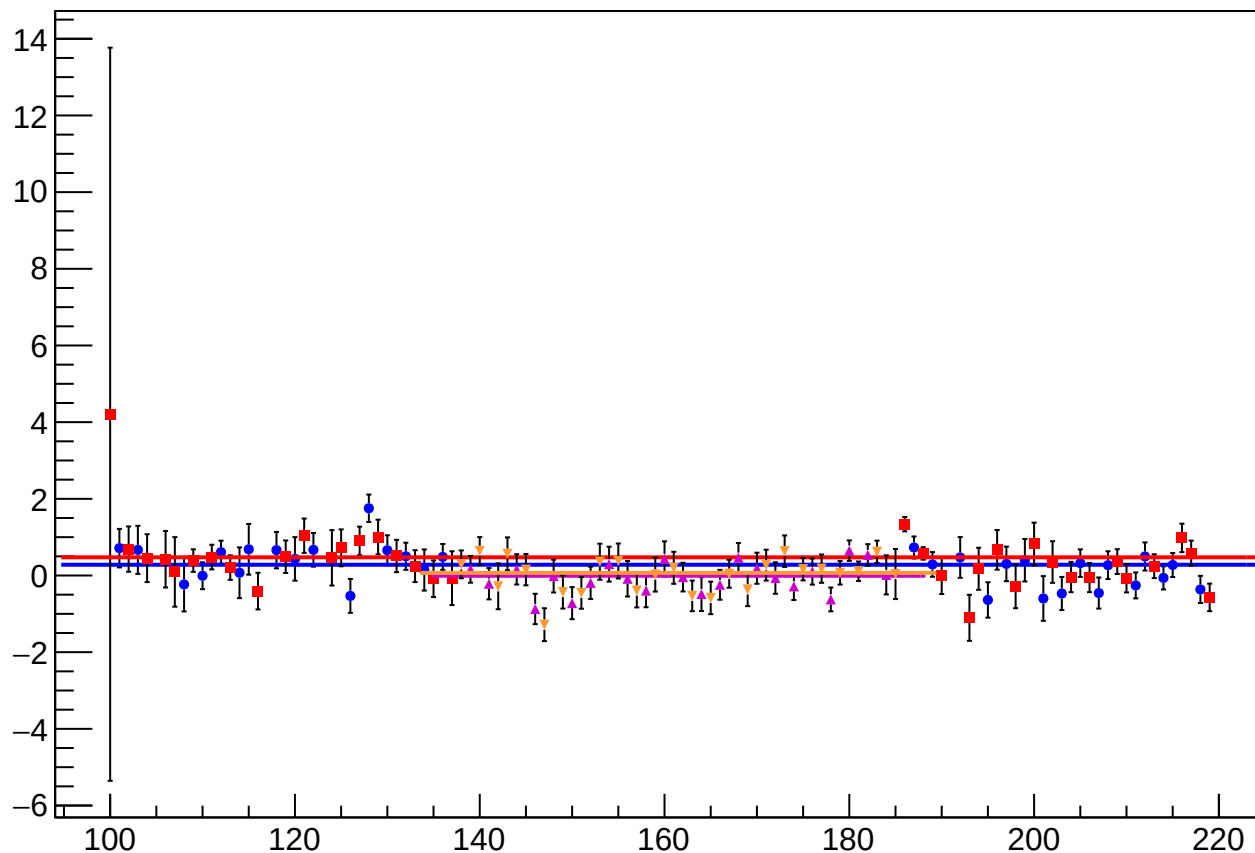
Left In: 0.029 $\pm$ 0.003 χ^2 /NDF: 38.9/22

+ sign 0.030 $\pm$ 0.002 χ^2 /NDF: 69.1/55

All: 0.030 $\pm$ 0.002 χ^2 /NDF: 10166.6/114

- sign 0.029 $\pm$ 0.002 χ^2 /NDF: 10097.5/58

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.281 ± 0.071 $\chi^2/\text{NDF}: 50.2/31$

Left Out: 0.069 ± 0.077 $\chi^2/\text{NDF}: 31.1/24$

Right Out: 0.474 ± 0.064 $\chi^2/\text{NDF}: 60.7/35$

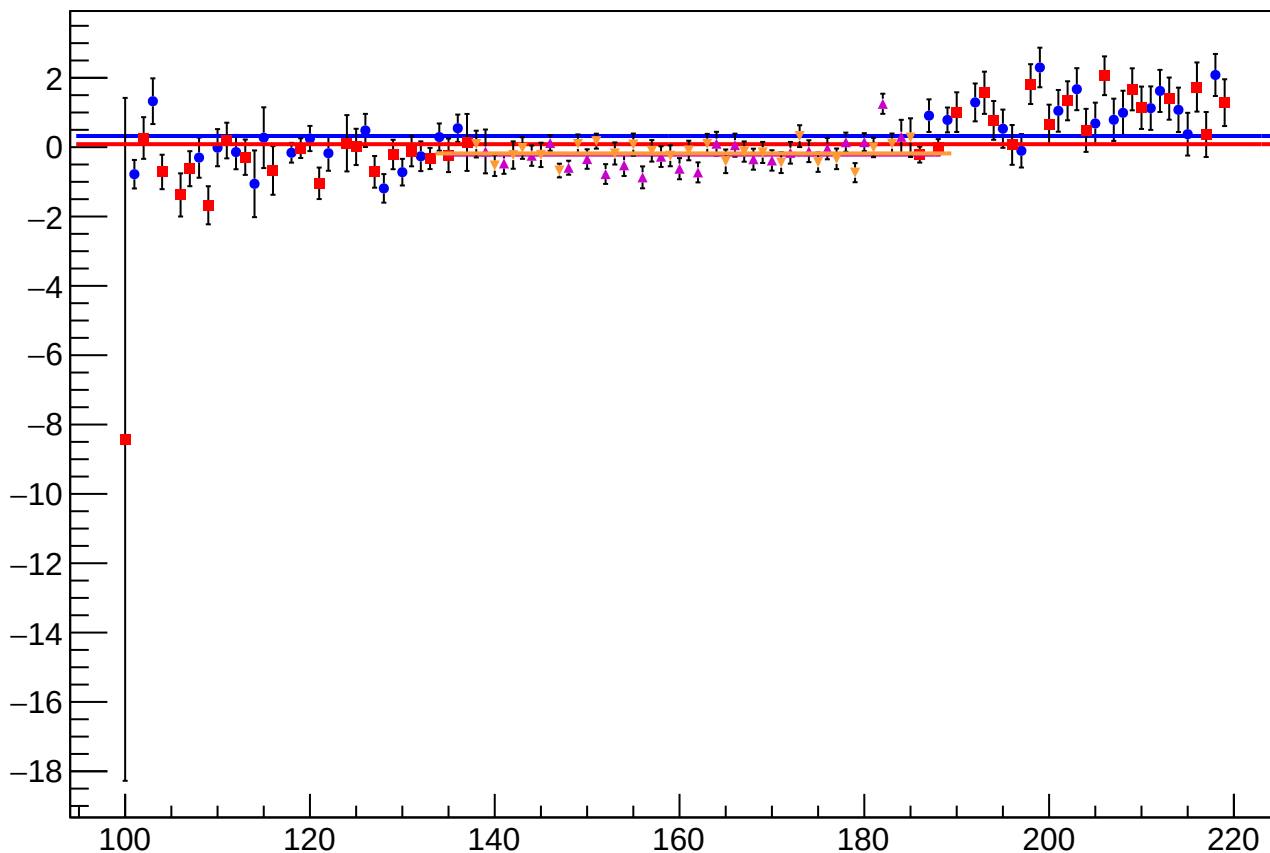
Left In: -0.006 ± 0.079 $\chi^2/\text{NDF}: 28.5/22$

+ sign 0.184 ± 0.052 $\chi^2/\text{NDF}: 85.5/56$

All: 0.237 ± 0.036 $\chi^2/\text{NDF}: 198.9/115$

- sign 0.286 ± 0.050 $\chi^2/\text{NDF}: 111.5/58$

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.322 ± 0.087 χ^2/NDF : 84.8/31

Left Out: -0.180 ± 0.059 χ^2/NDF : 24.7/24

Right Out: 0.086 ± 0.079 χ^2/NDF : 98.3/35

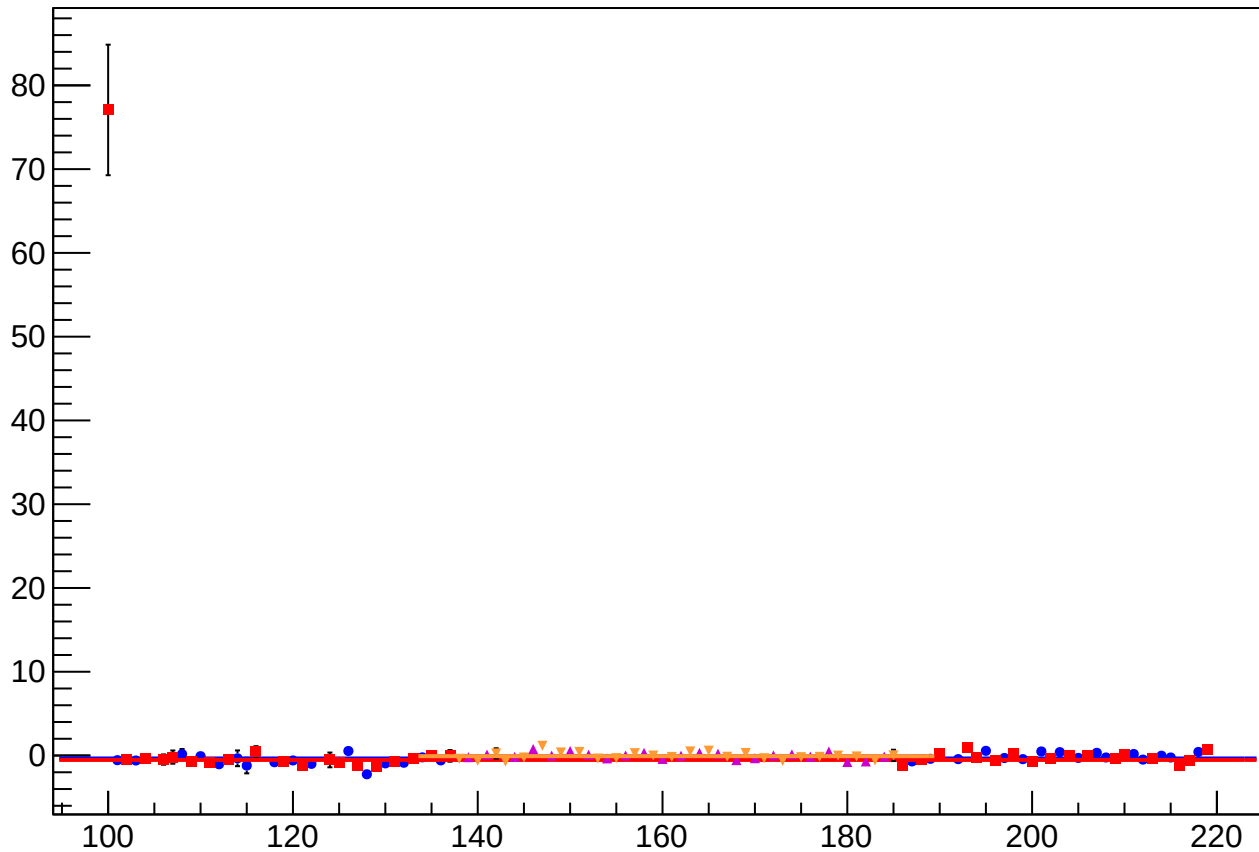
Left In: -0.216 ± 0.062 χ^2/NDF : 53.6/22

+ sign -0.021 ± 0.049 χ^2/NDF : 132.4/56

All: -0.061 ± 0.034 χ^2/NDF : 294.7/115

- sign -0.102 ± 0.049 χ^2/NDF : 160.9/58

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.354 ± 0.072 χ^2/NDF : 57.6/31

Left Out: -0.077 ± 0.077 χ^2/NDF : 30.0/24

Right Out: -0.526 ± 0.062 χ^2/NDF : 161.3/35

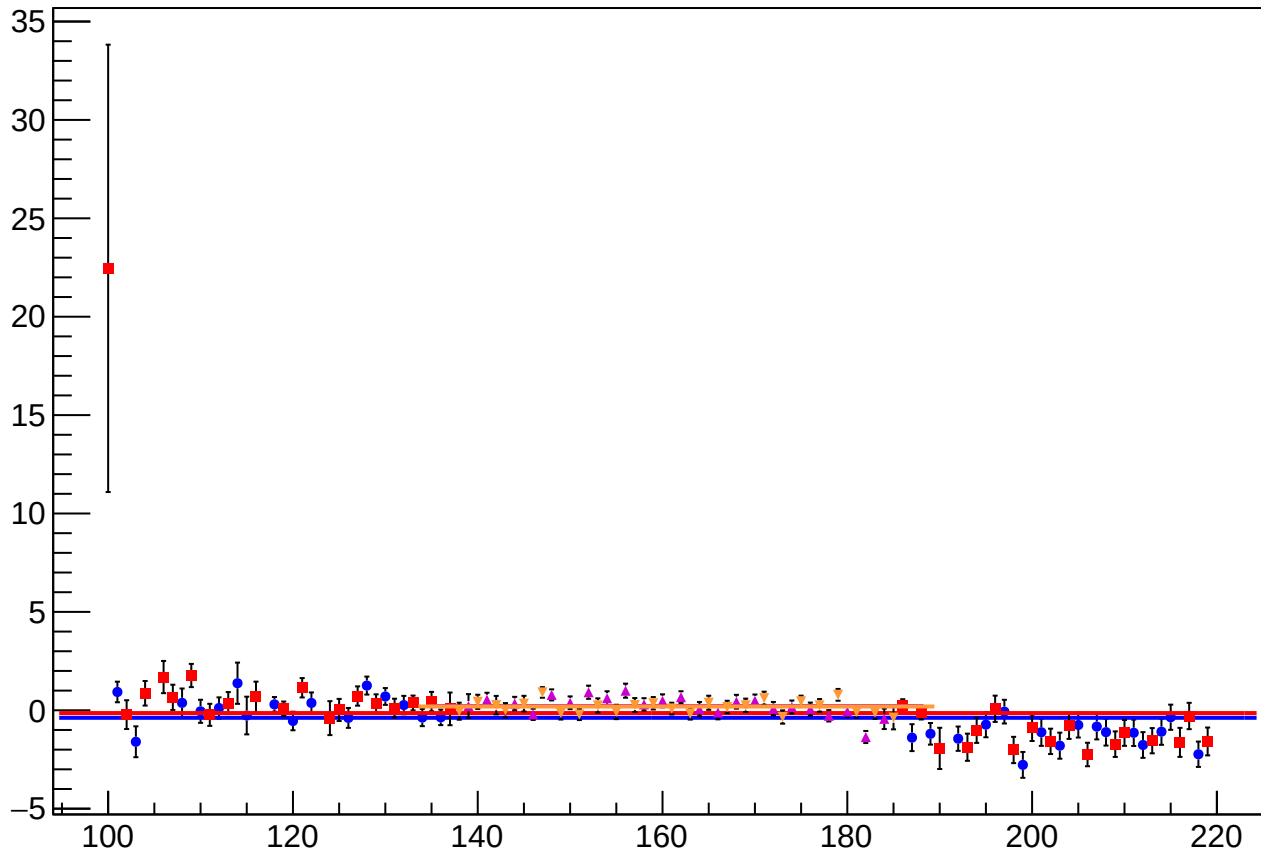
Left In: -0.075 ± 0.079 χ^2/NDF : 28.3/22

+ sign -0.224 ± 0.053 χ^2/NDF : 94.5/56

All: -0.293 ± 0.036 χ^2/NDF : 307.5/115

- sign -0.353 ± 0.049 χ^2/NDF : 209.8/58

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.382 ± 0.100 χ^2/NDF : 84.4/31

Left Out: 0.193 ± 0.067 χ^2/NDF : 25.9/24

Right Out: -0.141 ± 0.095 χ^2/NDF : 102.0/35

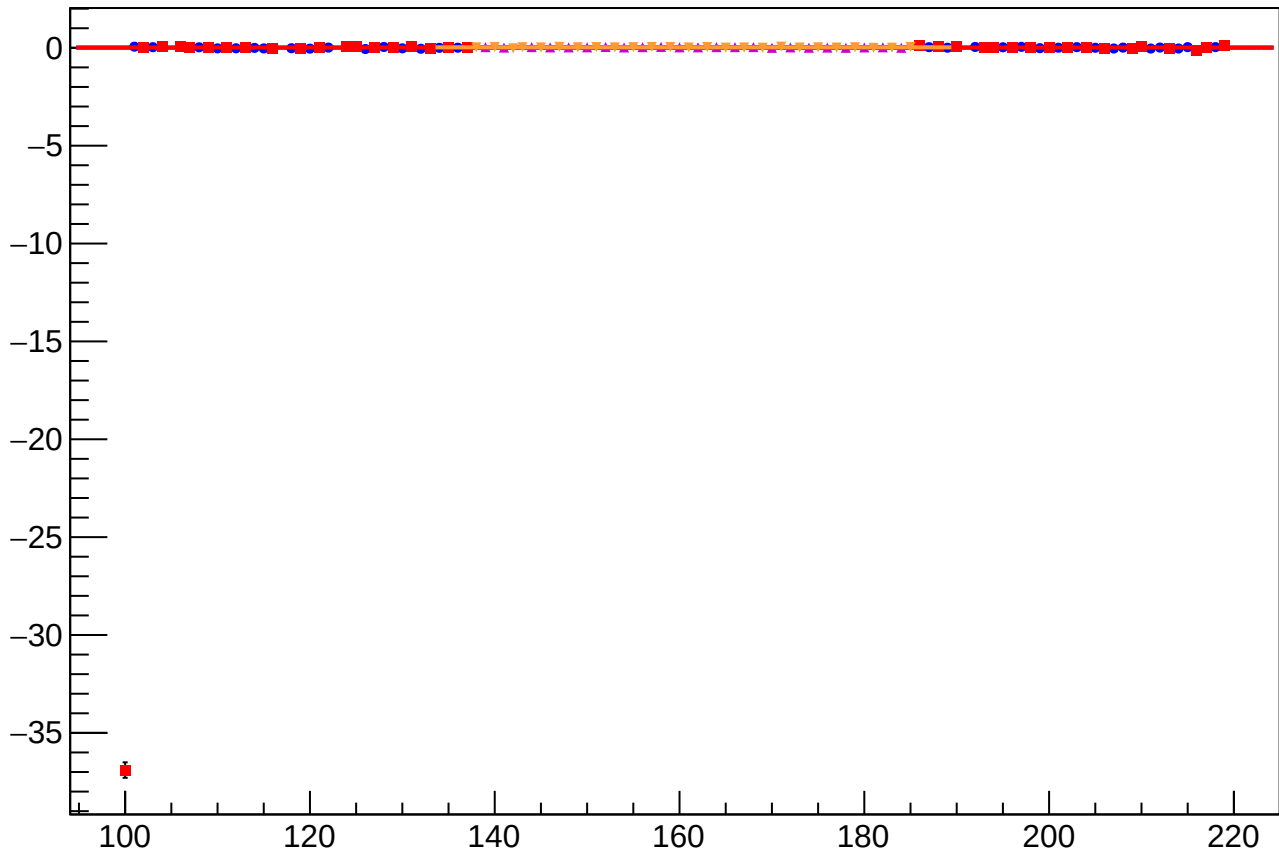
Left In: 0.215 ± 0.069 χ^2/NDF : 55.1/22

+ sign 0.016 ± 0.056 χ^2/NDF : 133.0/56

All: 0.054 ± 0.039 χ^2/NDF : 300.2/115

- sign 0.092 ± 0.056 χ^2/NDF : 166.2/58

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.010 +/- 0.005 χ^2/NDF : 37.3/31

Left Out: 0.024 +/- 0.003 χ^2/NDF : 30.2/24

Right Out: 0.015 +/- 0.005 χ^2/NDF : 8799.8/35

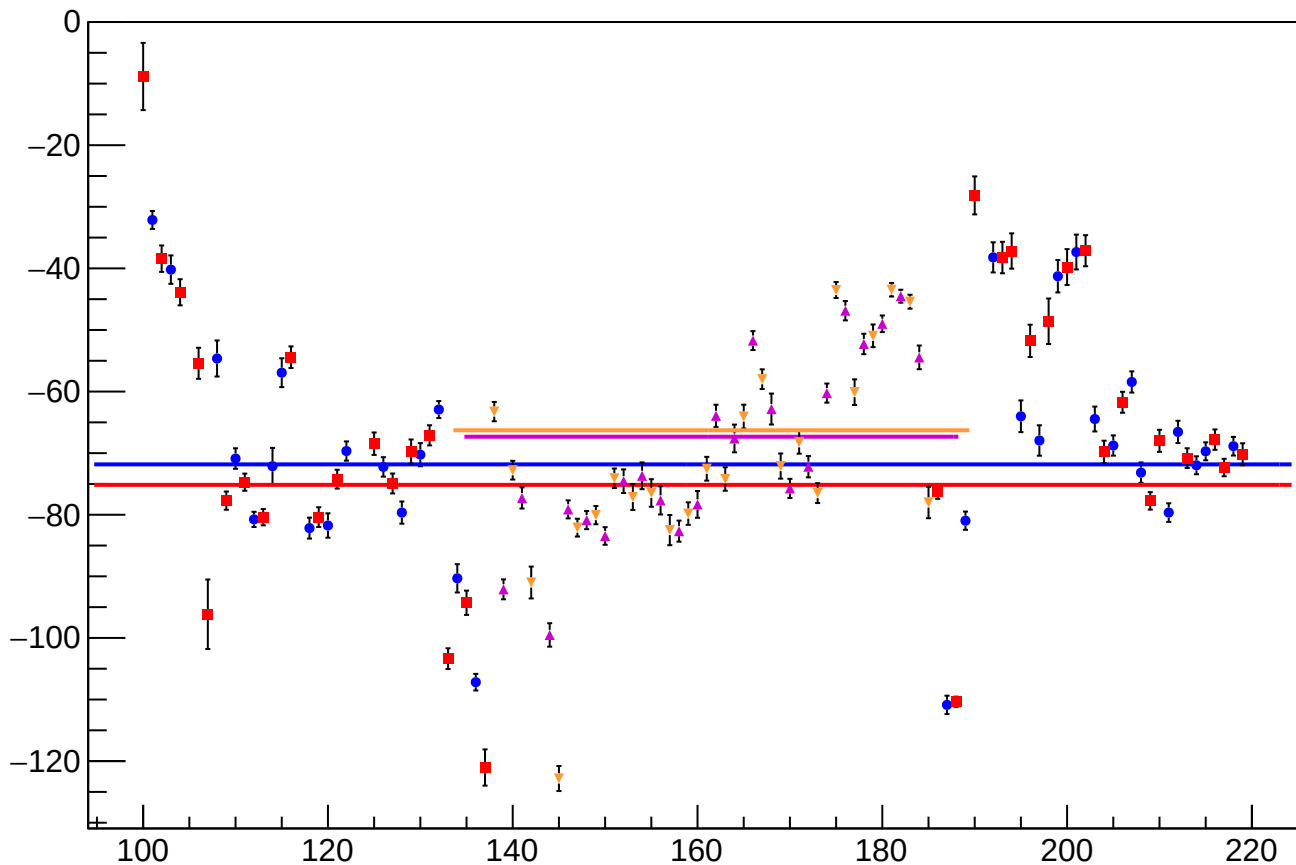
Left In: 0.024 +/- 0.003 χ^2/NDF : 18.0/22

+ sign 0.020 +/- 0.003 χ^2/NDF : 73.8/56

All: 0.021 +/- 0.002 χ^2/NDF : 8894.7/115

- sign 0.021 +/- 0.003 χ^2/NDF : 8820.8/58

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.823 ± 0.309 χ^2/NDF : 3260.1/31

Left Out: -66.289 ± 0.344 χ^2/NDF : 2550.4/23

Right Out: -75.148 ± 0.294 χ^2/NDF : 4629.6/34

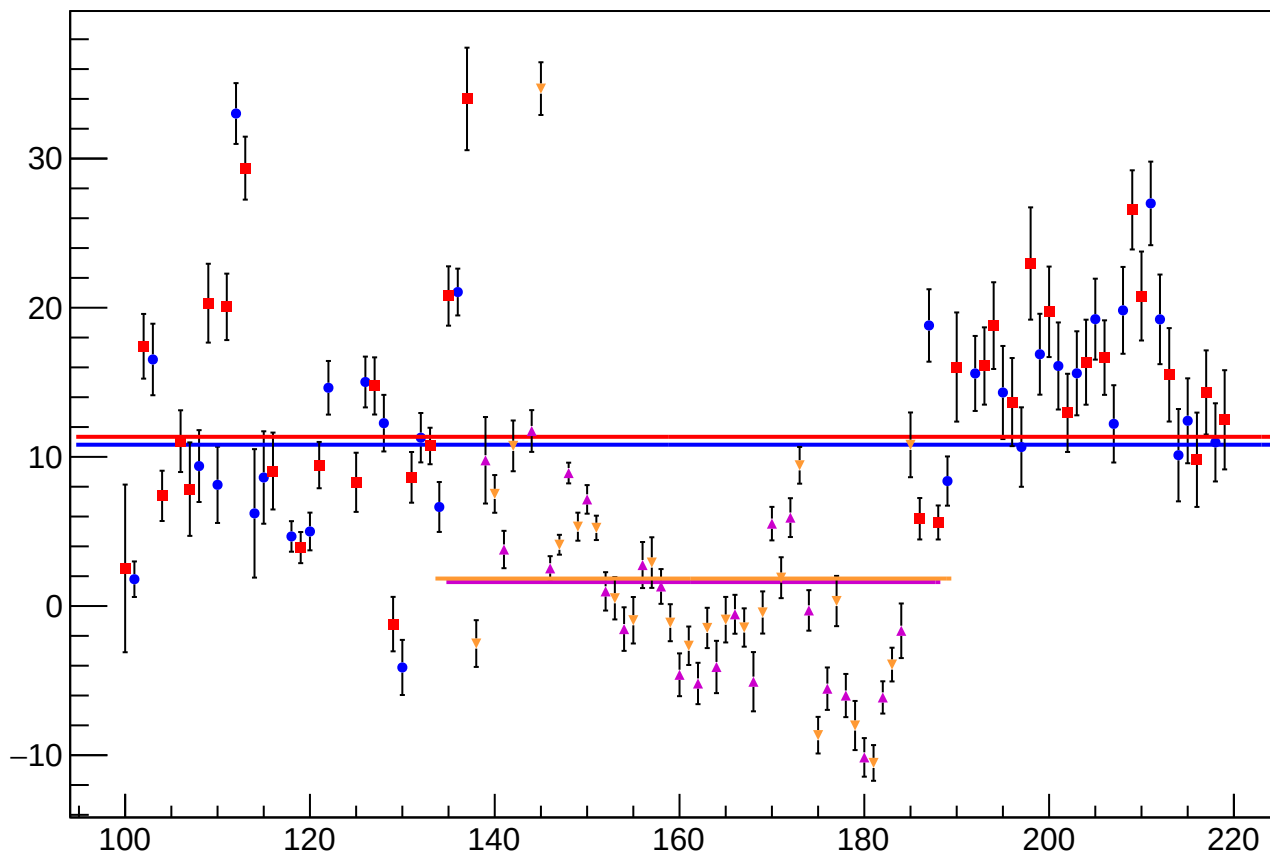
Left In: -67.331 ± 0.345 χ^2/NDF : 2102.6/22

+ sign -69.348 ± 0.230 χ^2/NDF : 5953.7/55

All: -70.635 ± 0.160 χ^2/NDF : 13044.0/113

- sign -71.856 ± 0.224 χ^2/NDF : 7029.2/57

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.815 ± 0.357 $\chi^2/\text{NDF}: 457.3/31$

Left Out: 1.842 ± 0.254 $\chi^2/\text{NDF}: 781.5/23$

Right Out: 11.345 ± 0.349 $\chi^2/\text{NDF}: 415.7/34$

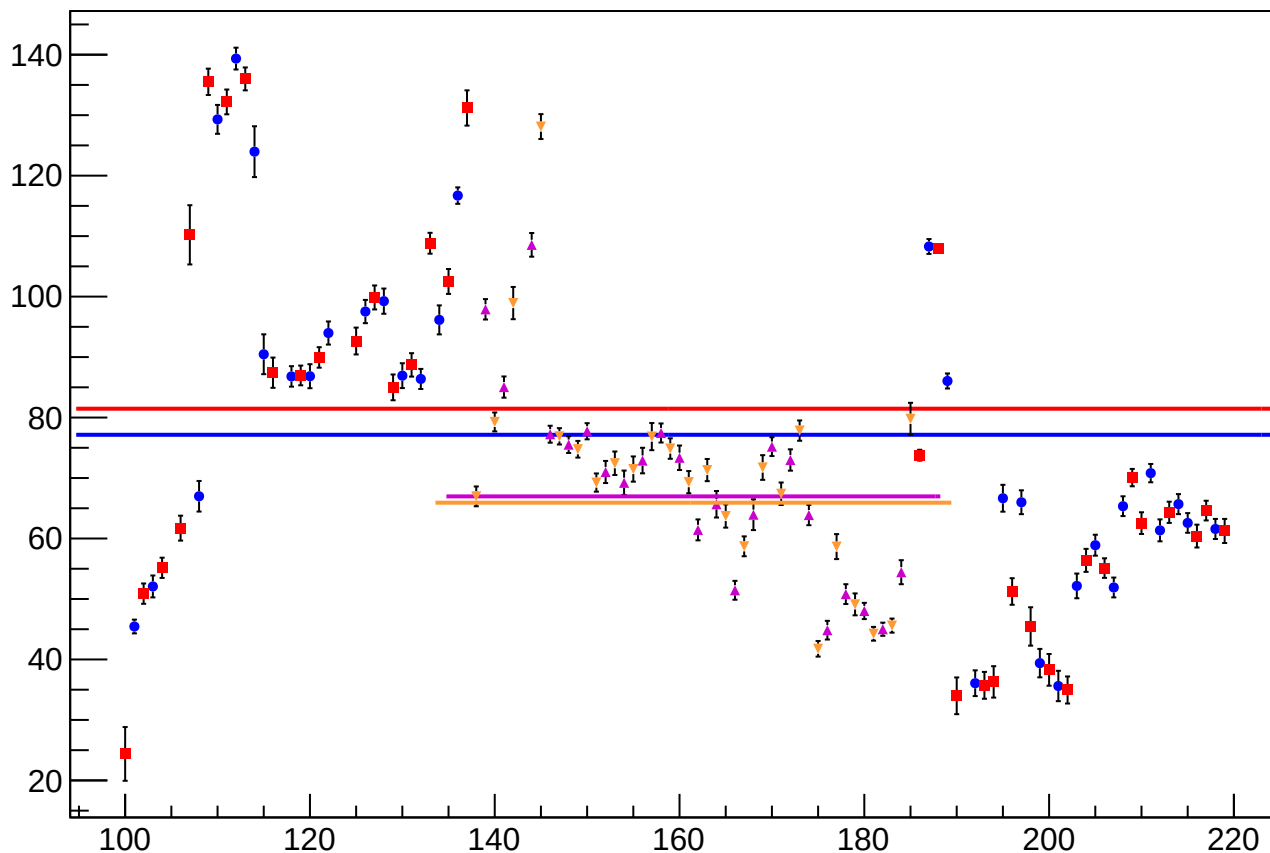
Left In: 1.605 ± 0.258 $\chi^2/\text{NDF}: 496.6/22$

+ sign 4.870 ± 0.207 $\chi^2/\text{NDF}: 1658.4/55$

All: 4.958 ± 0.147 $\chi^2/\text{NDF}: 3073.3/113$

- sign 5.048 ± 0.208 $\chi^2/\text{NDF}: 1414.5/57$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 77.151 $\pm$ 0.315 χ^2 /NDF: 6621.2/31

Left Out: 65.923 $\pm$ 0.341 χ^2 /NDF:2555.6/23

Right Out: 81.466 $\pm$ 0.294 χ^2 /NDF: 8436.0/34

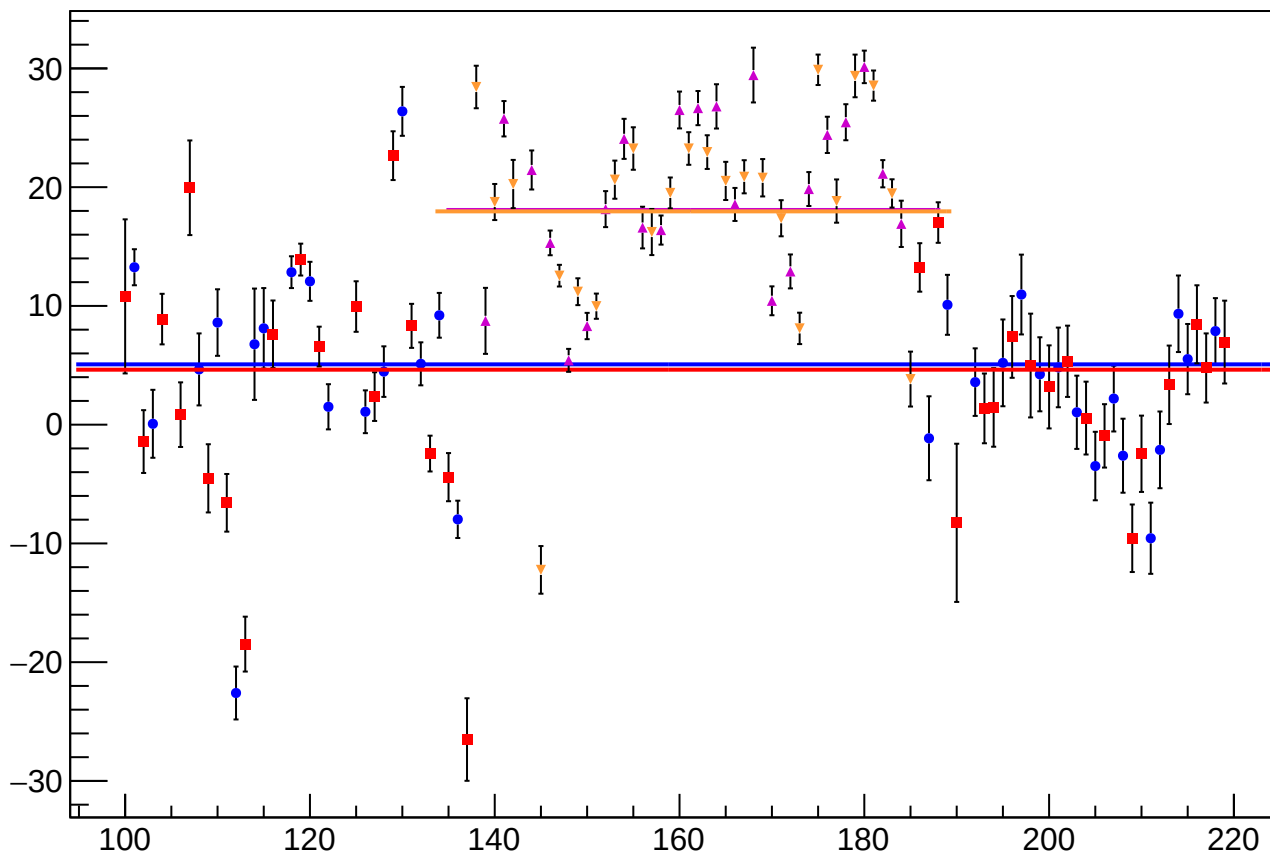
Left In: 66.964 $\pm$ 0.341 χ^2 /NDF:2221.3/22

+ sign 71.965 $\pm$ 0.231 χ^2 /NDF: 9761.9/55

All: 73.694 $\pm$ 0.160 χ^2 /NDF: 21564.2/113

- sign 75.294 $\pm$ 0.223 χ^2 /NDF: 11694.8/57

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.079 $\pm$ 0.415 χ^2/NDF : 489.7/31

Left Out: 17.963 $\pm$ 0.292 χ^2/NDF : 732.1/23

Right Out: 4.630 $\pm$ 0.414 χ^2/NDF : 534.3/34

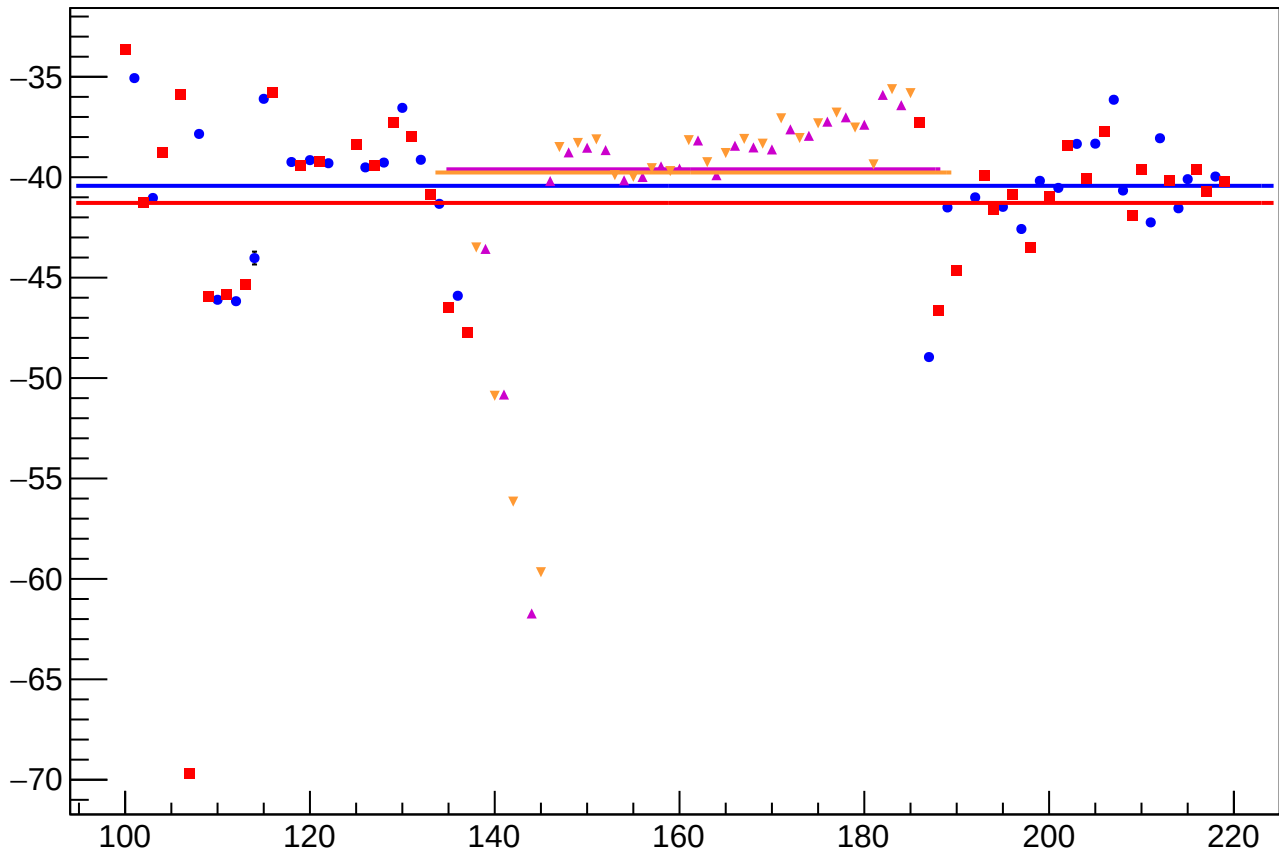
Left In: 18.079 $\pm$ 0.295 χ^2/NDF : 605.0/22

+ sign 13.697 $\pm$ 0.239 χ^2/NDF : 1866.8/55

All: 13.623 $\pm$ 0.169 χ^2/NDF : 3707.3/113

- sign 13.548 $\pm$ 0.240 χ^2/NDF : 1840.3/57

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.429 ± 0.021 χ^2/NDF : 23345.1/31

Left Out: -39.765 ± 0.013 χ^2/NDF : 129895.4/23

Right Out: -41.280 ± 0.021 χ^2/NDF : 44950.1/34

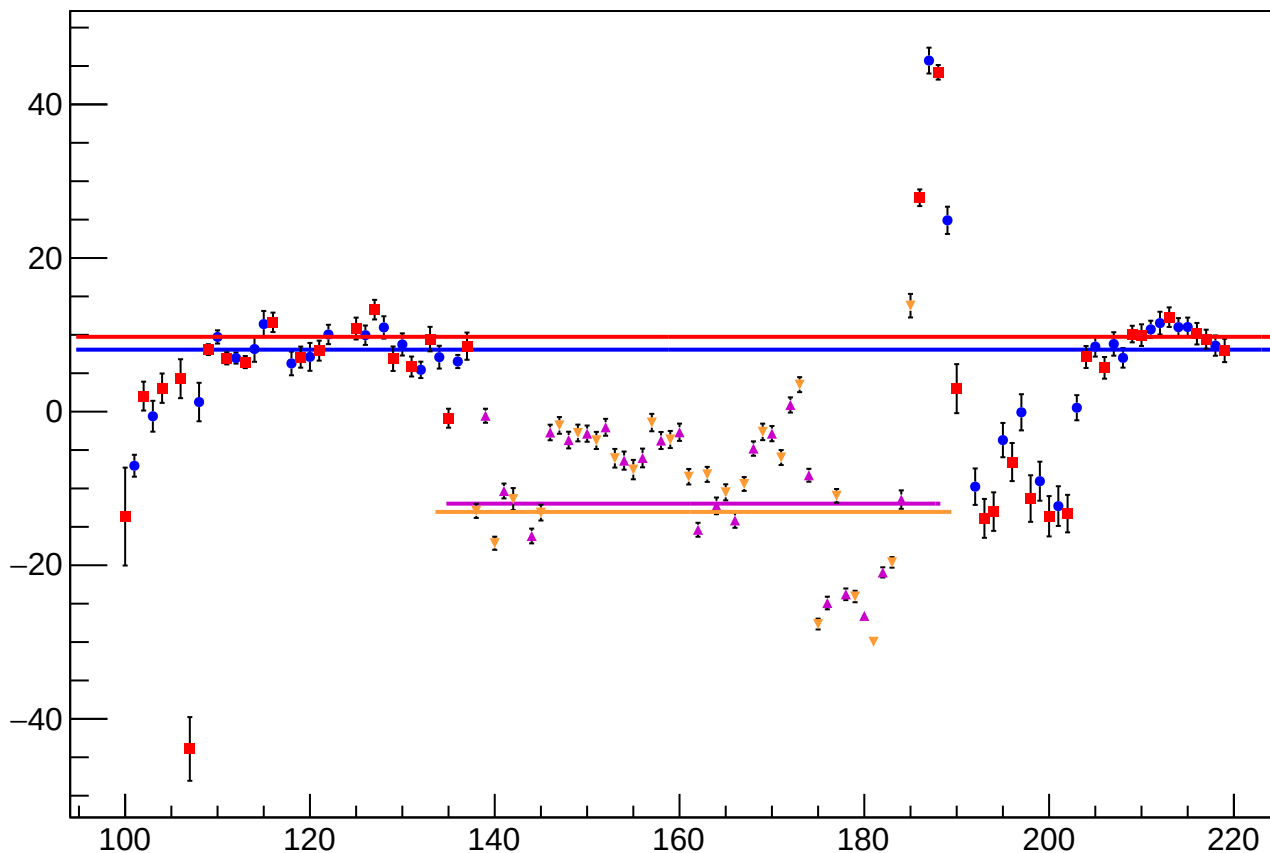
Left In: -39.606 ± 0.013 χ^2/NDF : 106639.2/22

+ sign -39.964 ± 0.011 χ^2/NDF : 153969.2/55

All: -40.033 ± 0.008 χ^2/NDF : 310268.3/113

- sign -40.101 ± 0.011 χ^2/NDF : 156224.8/57

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.070 ± 0.241 χ^2/NDF : 1008.3/31

Left Out: -13.054 ± 0.193 χ^2/NDF : 2868.1/23

Right Out: 9.742 ± 0.231 χ^2/NDF : 2392.9/34

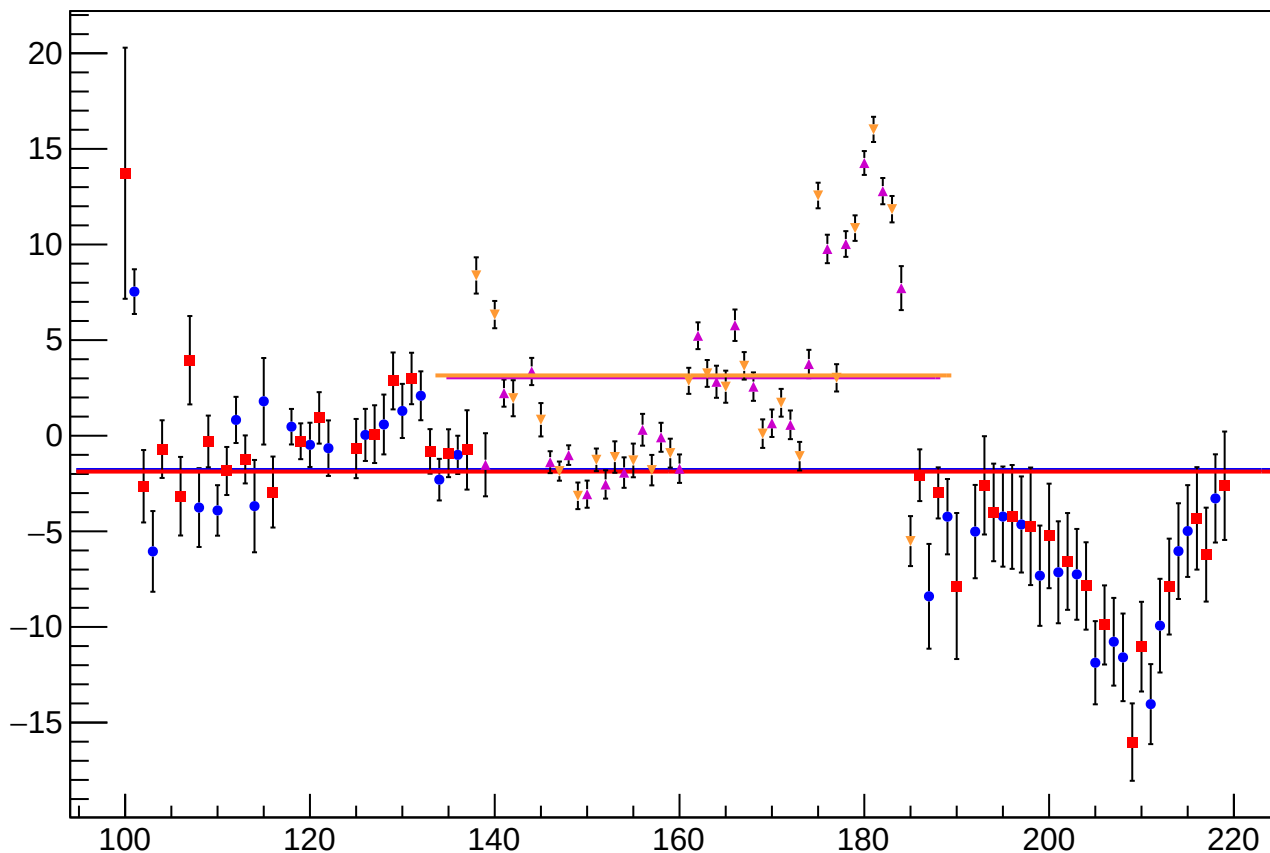
Left In: -11.978 ± 0.195 χ^2/NDF : 2176.6/22

+ sign -4.817 ± 0.151 χ^2/NDF : 8558.6/55

All: -3.854 ± 0.106 χ^2/NDF : 18364.4/113

- sign -2.908 ± 0.149 χ^2/NDF : 9724.6/57

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.792 ± 0.289 χ^2/NDF : 236.3/31

Left Out: 3.153 ± 0.149 χ^2/NDF : 1385.1/23

Right Out: -1.875 ± 0.290 χ^2/NDF : 155.9/34

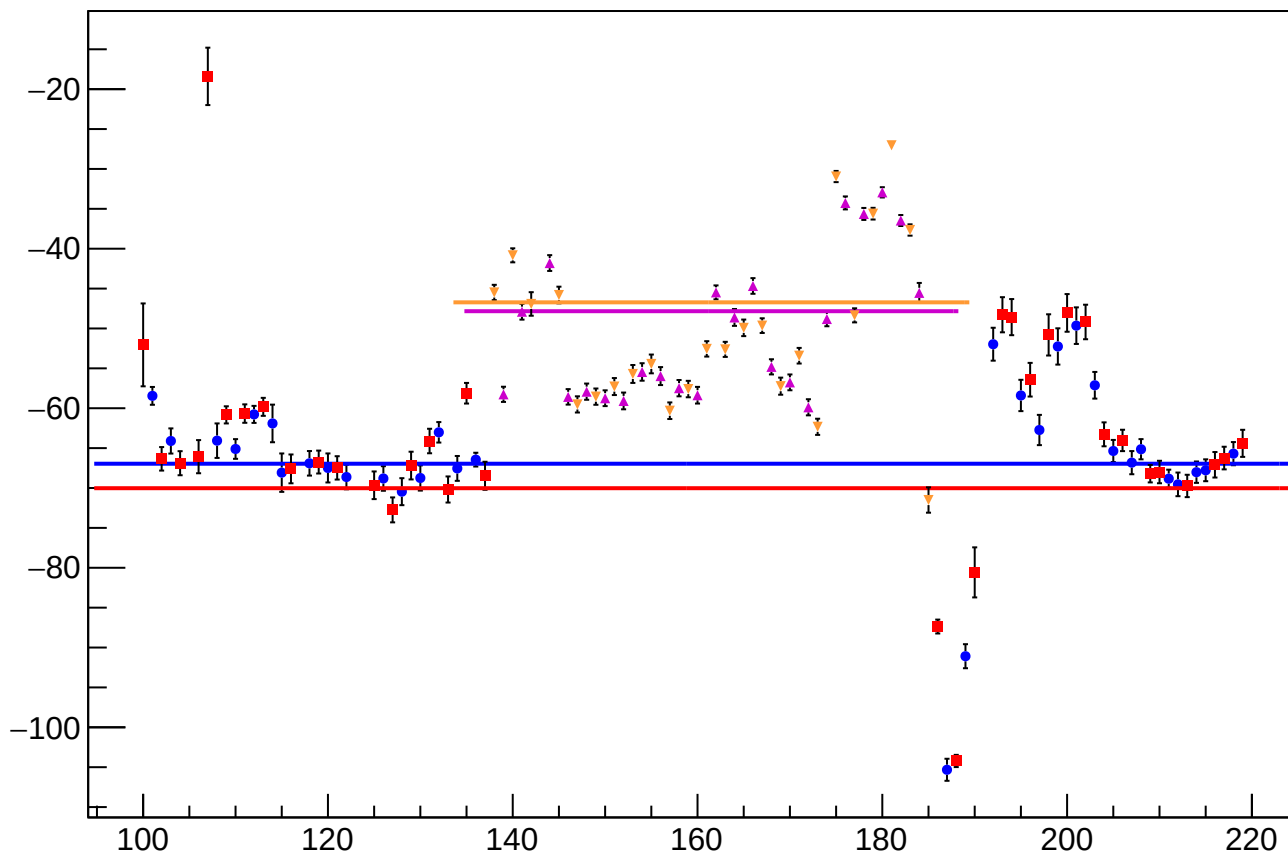
Left In: 3.055 ± 0.152 χ^2/NDF : 1145.0/22

+ sign 2.116 ± 0.133 χ^2/NDF : 1852.0/55

All: 2.055 ± 0.094 χ^2/NDF : 3379.9/113

- sign 1.993 ± 0.135 χ^2/NDF : 1527.5/57

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.957 ± 0.259 $\chi^2/\text{NDF}: 1370.5/31$

Left Out: -46.724 ± 0.192 $\chi^2/\text{NDF}: 3446.1/23$

Right Out: -70.025 ± 0.249 $\chi^2/\text{NDF}: 3498.2/34$

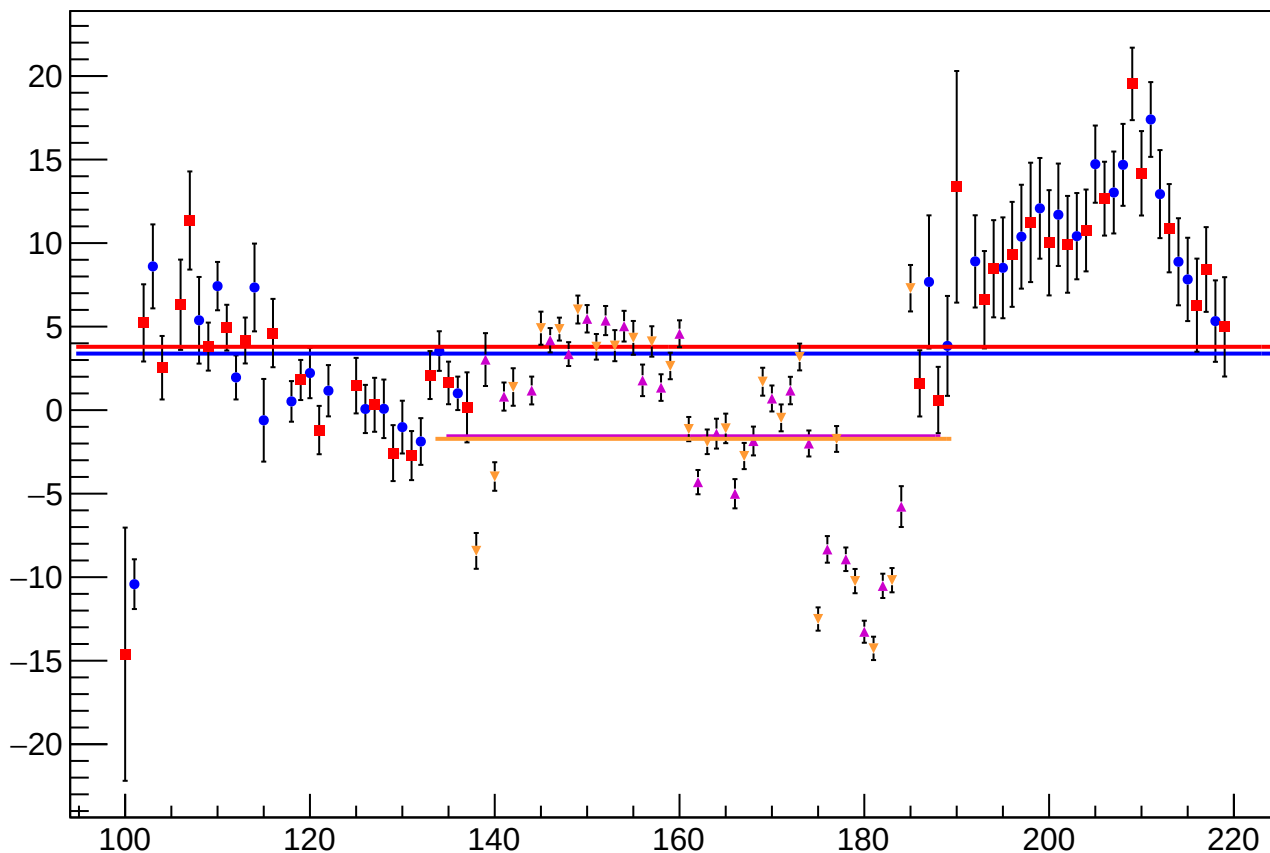
Left In: -47.835 ± 0.194 $\chi^2/\text{NDF}: 2557.6/22$

+ sign -53.868 ± 0.154 $\chi^2/\text{NDF}: 8756.2/55$

All: -55.037 ± 0.109 $\chi^2/\text{NDF}: 19860.0/113$

- sign -56.190 ± 0.153 $\chi^2/\text{NDF}: 10989.5/57$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 3.385 ± 0.328 χ^2/NDF : 306.9/31

Left Out: -1.718 ± 0.168 χ^2/NDF : 1406.1/23

Right Out: 3.791 ± 0.333 χ^2/NDF : 208.0/34

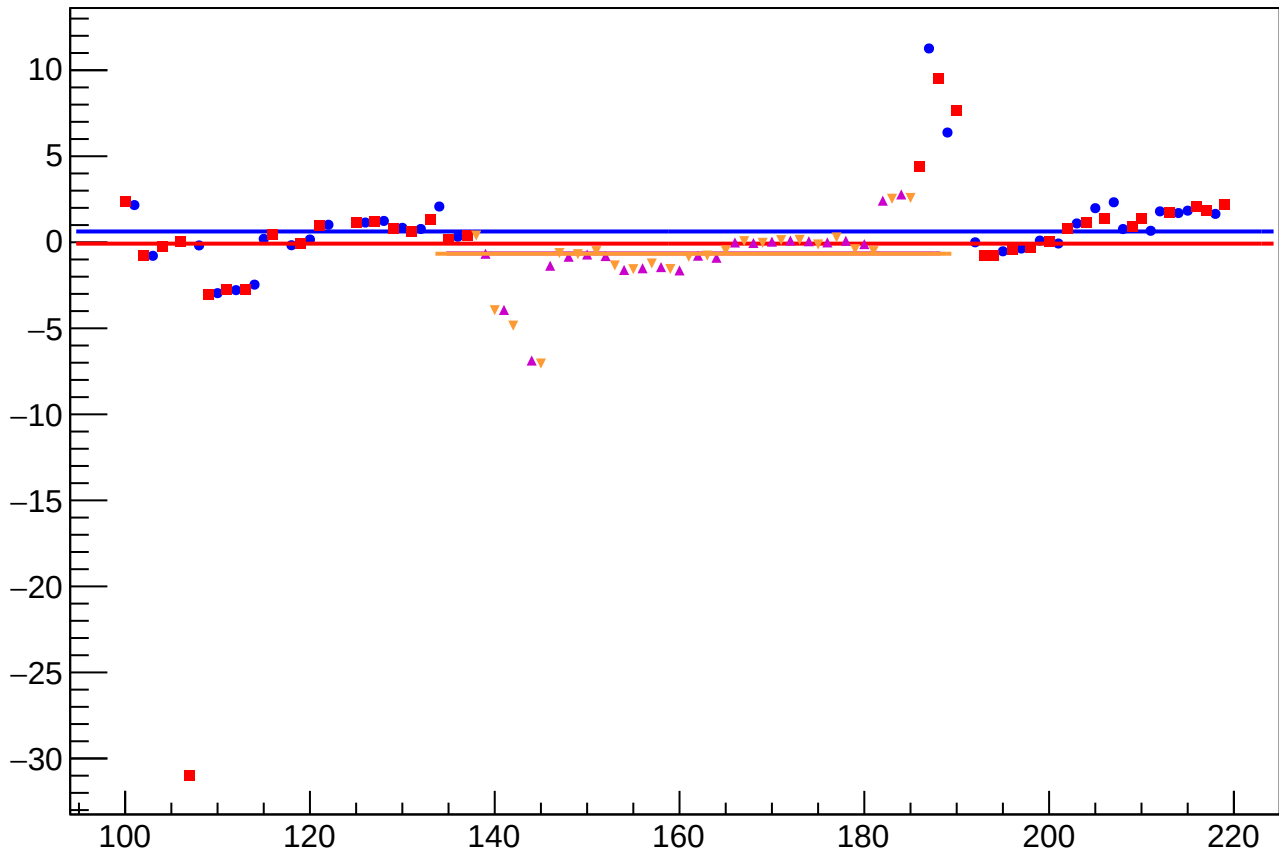
Left In: -1.567 ± 0.171 χ^2/NDF : 1117.7/22

+ sign -0.658 ± 0.149 χ^2/NDF : 1905.2/55

All: -0.556 ± 0.106 χ^2/NDF : 3437.0/113

- sign -0.451 ± 0.152 χ^2/NDF : 1530.9/57

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.628 ± 0.017 χ^2/NDF : 10597.9/31

Left Out: -0.666 ± 0.008 χ^2/NDF : 55276.7/23

Right Out: -0.080 ± 0.017 χ^2/NDF : 61787.0/34

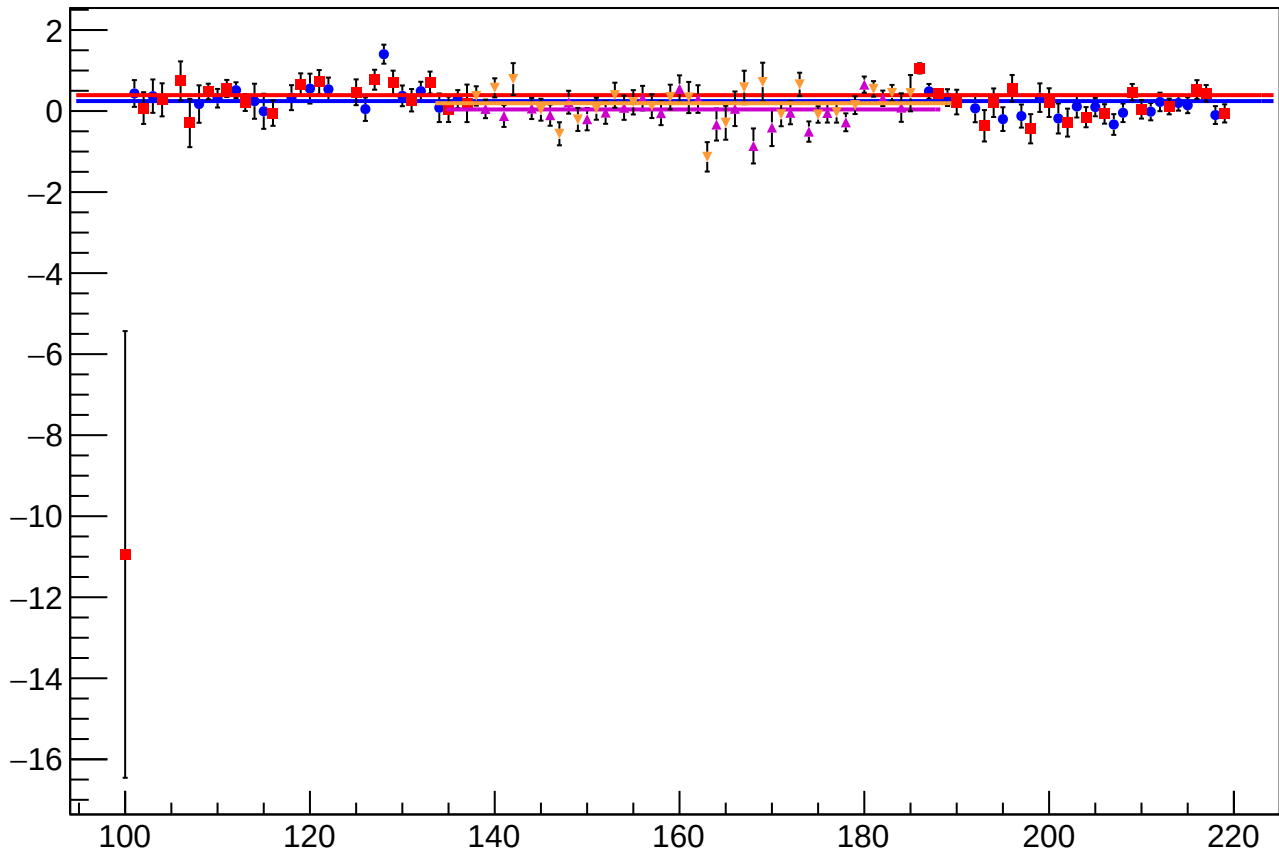
Left In: -0.646 ± 0.008 χ^2/NDF : 45569.5/22

+ sign -0.444 ± 0.007 χ^2/NDF : 70957.4/55

All: -0.498 ± 0.005 χ^2/NDF : 179371.6/113

- sign -0.552 ± 0.007 χ^2/NDF : 108289.9/57

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.246 ± 0.046 χ^2/NDF : 50.3/31

Left Out: 0.194 ± 0.057 χ^2/NDF : 44.2/23

Right Out: 0.392 ± 0.041 χ^2/NDF : 78.0/34

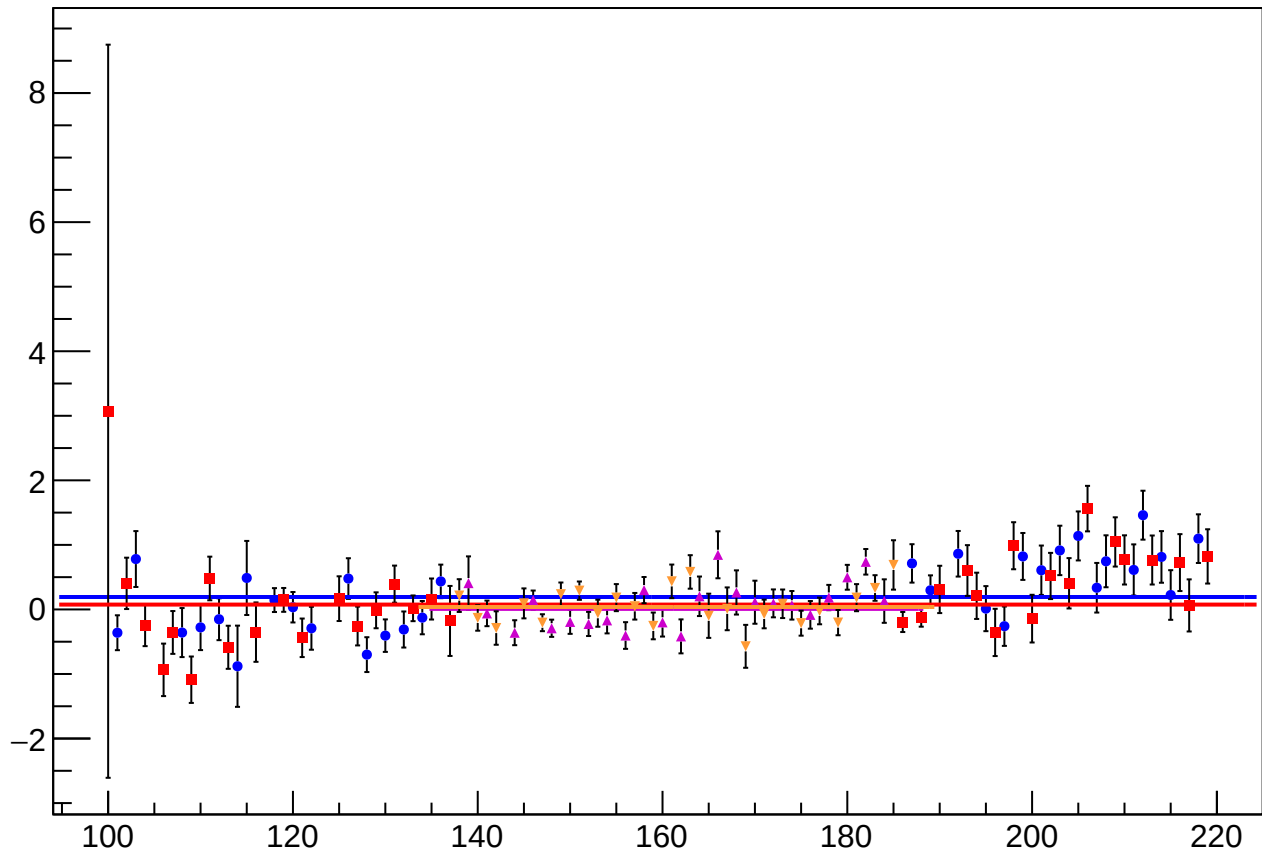
Left In: 0.039 ± 0.058 χ^2/NDF : 30.5/22

+ sign 0.226 ± 0.036 χ^2/NDF : 95.0/55

All: 0.250 ± 0.024 χ^2/NDF : 229.3/113

- sign 0.273 ± 0.034 χ^2/NDF : 133.4/57

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.193 ± 0.056 χ^2/NDF : 85.7/31

Left Out: 0.038 ± 0.043 χ^2/NDF : 32.8/23

Right Out: 0.075 ± 0.052 χ^2/NDF : 86.2/34

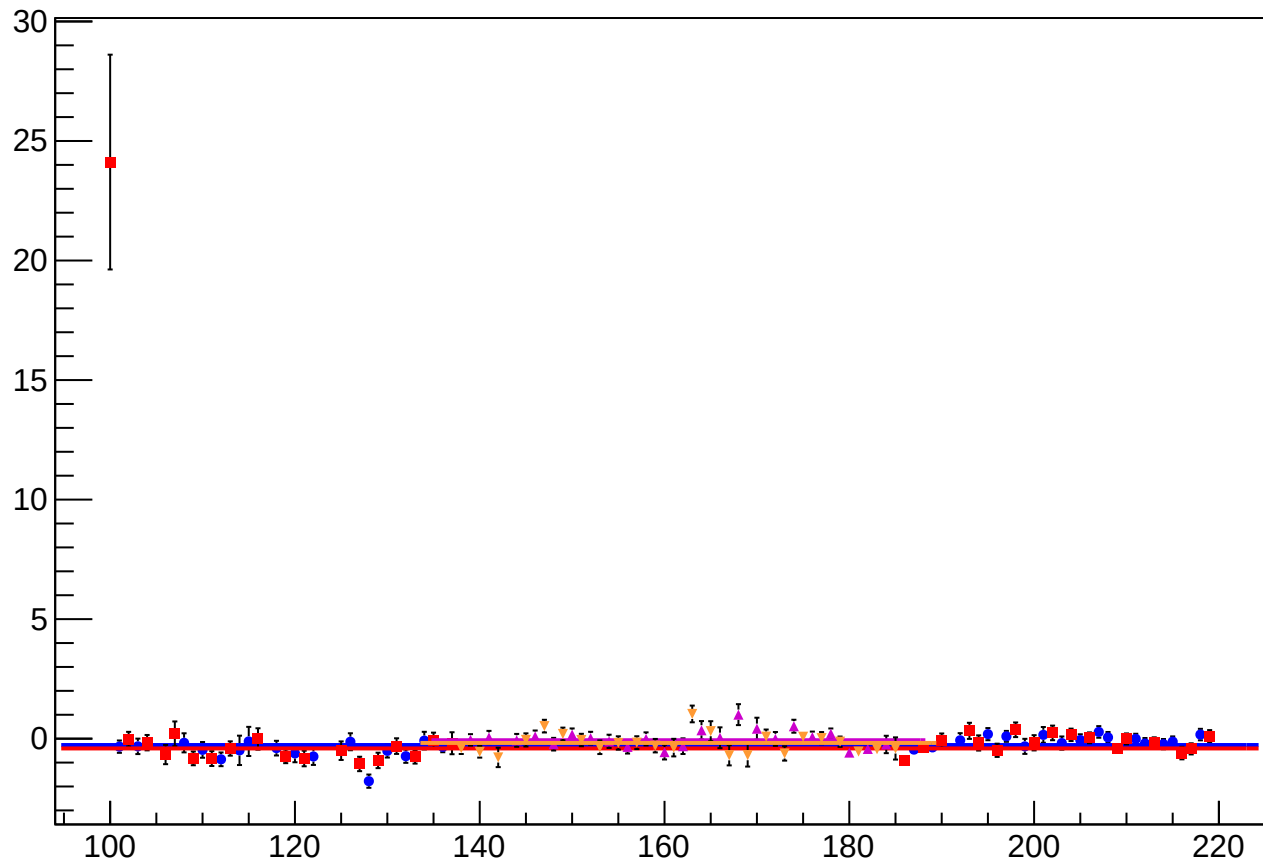
Left In: 0.008 ± 0.044 χ^2/NDF : 51.4/22

+ sign 0.096 ± 0.034 χ^2/NDF : 123.3/55

All: 0.066 ± 0.024 χ^2/NDF : 263.3/113

- sign 0.037 ± 0.034 χ^2/NDF : 138.5/57

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.266 ± 0.046 χ^2/NDF : 64.8/31

Left Out: -0.178 ± 0.056 χ^2/NDF : 42.1/23

Right Out: -0.409 ± 0.040 χ^2/NDF : 110.6/34

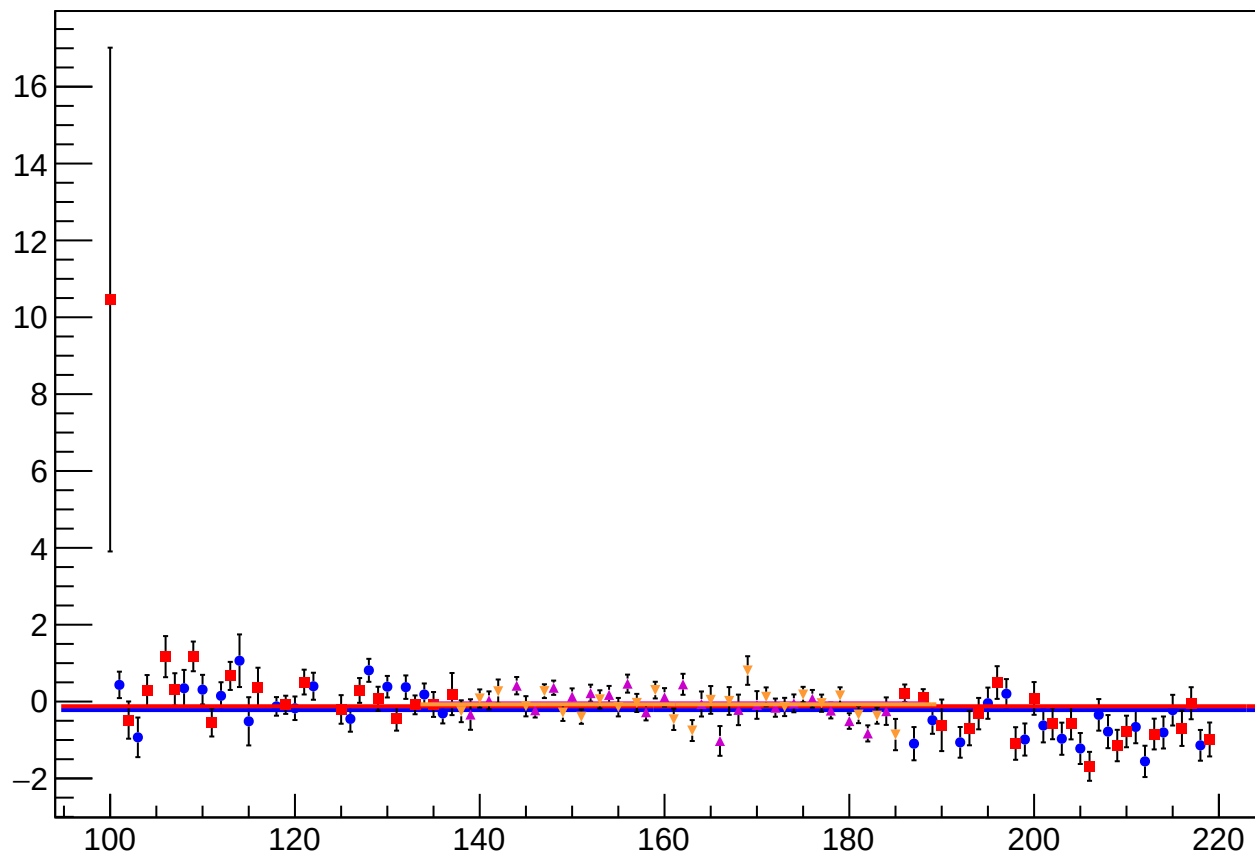
Left In: -0.066 ± 0.057 χ^2/NDF : 31.4/22

+ sign -0.230 ± 0.036 χ^2/NDF : 108.4/55

All: -0.265 ± 0.024 χ^2/NDF : 276.3/113

- sign -0.294 ± 0.033 χ^2/NDF : 166.2/57

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.221 ± 0.065 χ^2/NDF : 84.8/31

Left Out: -0.072 ± 0.049 χ^2/NDF : 37.7/23

Right Out: -0.122 ± 0.062 χ^2/NDF : 86.8/34

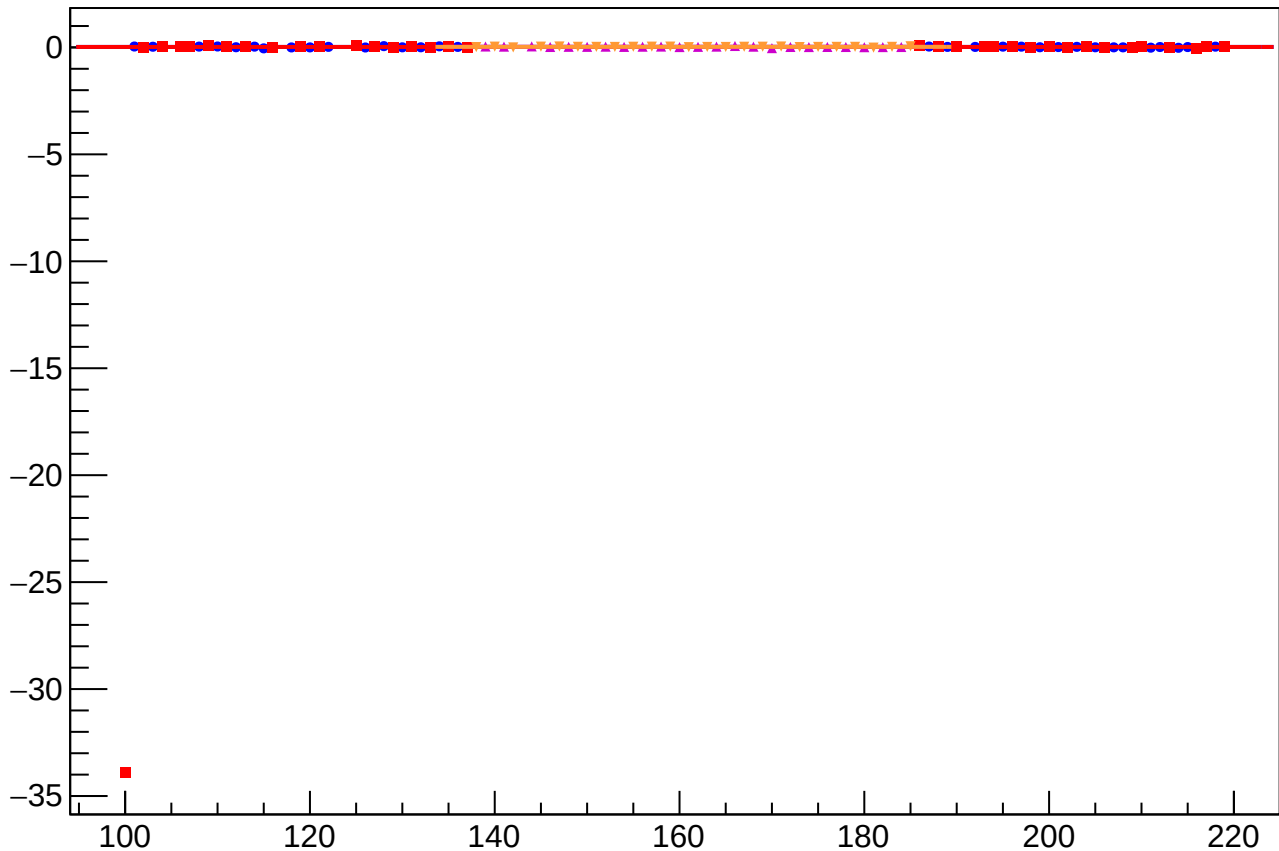
Left In: -0.047 ± 0.050 χ^2/NDF : 50.5/22

+ sign -0.127 ± 0.039 χ^2/NDF : 125.9/55

All: -0.102 ± 0.028 χ^2/NDF : 264.9/113

- sign -0.077 ± 0.039 χ^2/NDF : 138.1/57

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.022 $\pm$ 0.003 χ^2 /NDF: 30.4/31

Left Out: 0.026 $\pm$ 0.002 χ^2 /NDF:31.4/23

Right Out: 0.021 $\pm$ 0.003 χ^2 /NDF: 22326.5/34

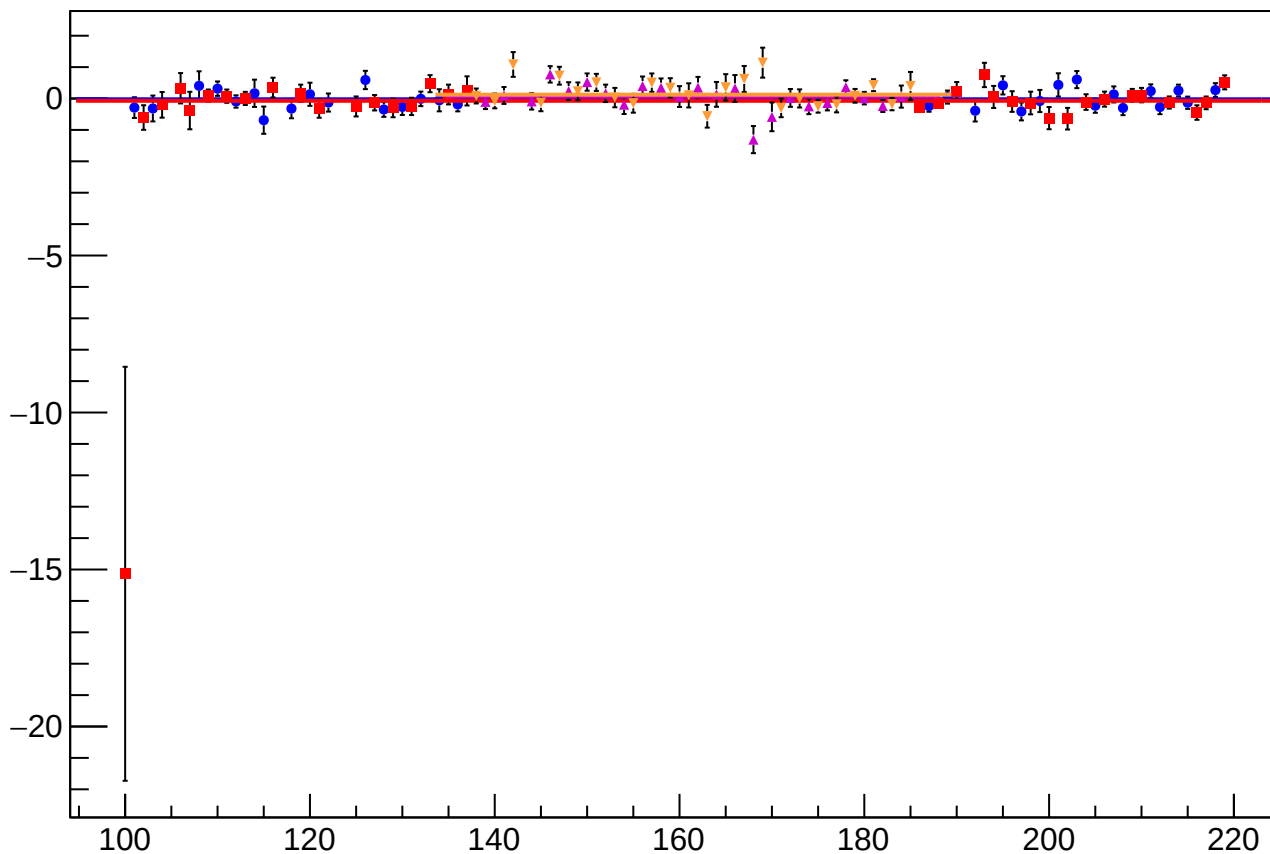
Left In: 0.026 $\pm$ 0.002 χ^2 /NDF:39.5/22

+ sign 0.025 $\pm$ 0.002 χ^2 /NDF: 63.3/55

All: 0.025 $\pm$ 0.001 χ^2 /NDF: 22431.3/113

- sign 0.024 $\pm$ 0.002 χ^2 /NDF: 22367.9/57

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.024 ± 0.046 χ^2/NDF : 39.2/31

Left Out: 0.122 ± 0.057 χ^2/NDF : 39.6/23

Right Out: -0.072 ± 0.041 χ^2/NDF : 44.8/34

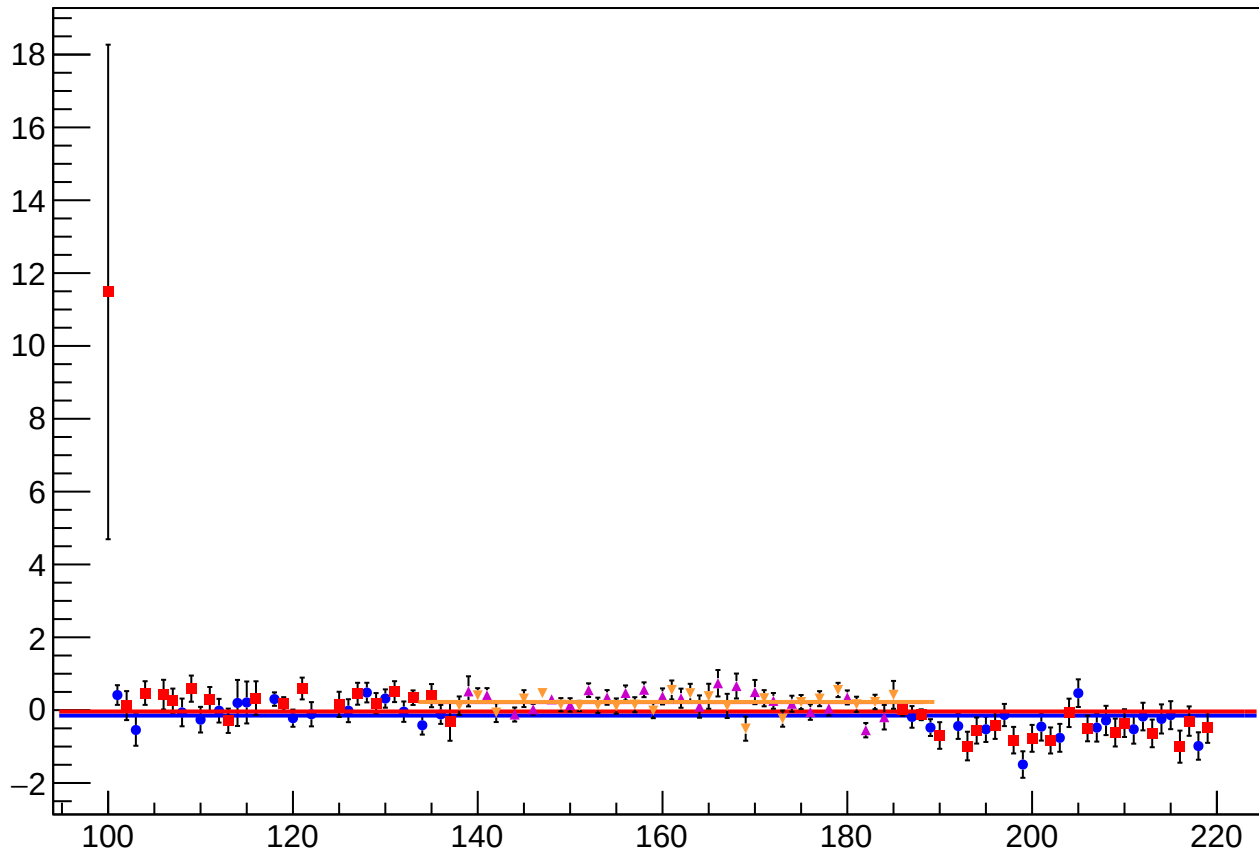
Left In: 0.063 ± 0.058 χ^2/NDF : 34.2/22

+ sign 0.033 ± 0.036 χ^2/NDF : 82.8/55

All: 0.002 ± 0.024 χ^2/NDF : 167.0/113

- sign -0.026 ± 0.034 χ^2/NDF : 82.7/57

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.149 ± 0.056 χ^2/NDF : 52.7/31

Left Out: 0.225 ± 0.043 χ^2/NDF : 24.1/23

Right Out: -0.037 ± 0.052 χ^2/NDF : 71.4/34

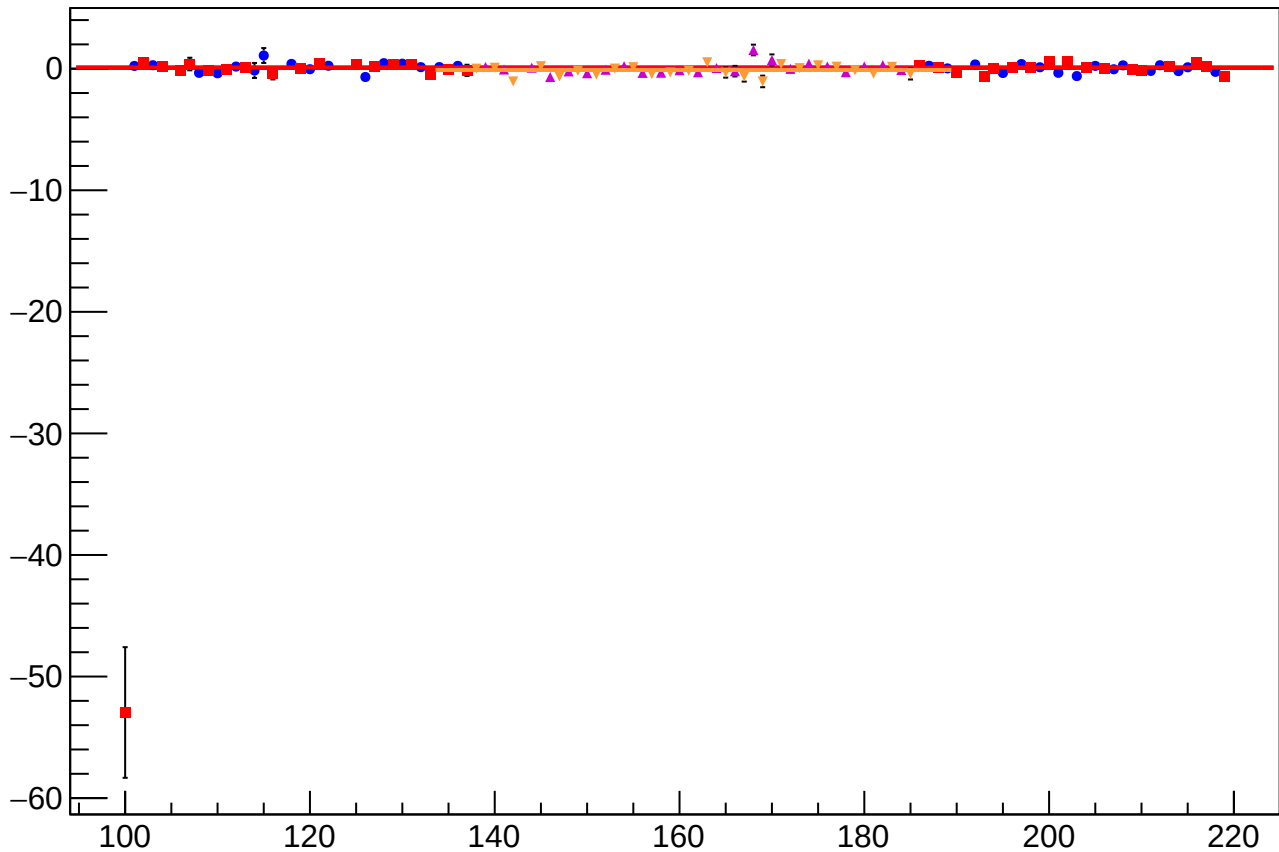
Left In: 0.221 ± 0.044 χ^2/NDF : 39.3/22

+ sign 0.085 ± 0.034 χ^2/NDF : 104.7/55

All: 0.099 ± 0.024 χ^2/NDF : 230.2/113

- sign 0.112 ± 0.034 χ^2/NDF : 125.1/57

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.076 ± 0.046 χ^2/NDF : 38.4/31

Left Out: -0.105 ± 0.056 χ^2/NDF : 37.6/23

Right Out: 0.107 ± 0.040 χ^2/NDF : 135.5/34

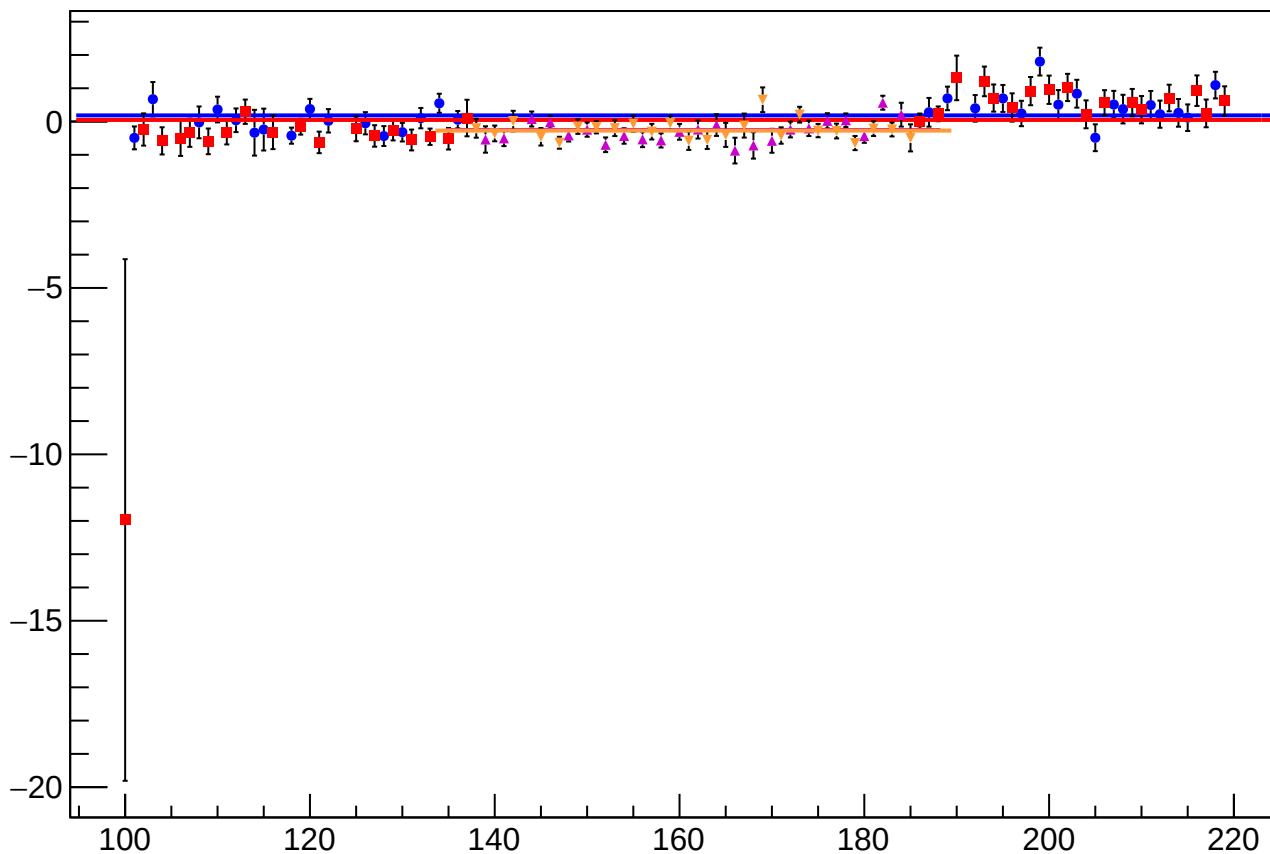
Left In: -0.009 ± 0.057 χ^2/NDF : 38.0/22

+ sign 0.003 ± 0.036 χ^2/NDF : 82.2/55

All: 0.038 ± 0.024 χ^2/NDF : 260.2/113

- sign 0.068 ± 0.033 χ^2/NDF : 176.2/57

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.184 ± 0.065 χ^2/NDF : 54.6/31

Left Out: -0.272 ± 0.049 χ^2/NDF : 24.8/23

Right Out: 0.048 ± 0.062 χ^2/NDF : 72.7/34

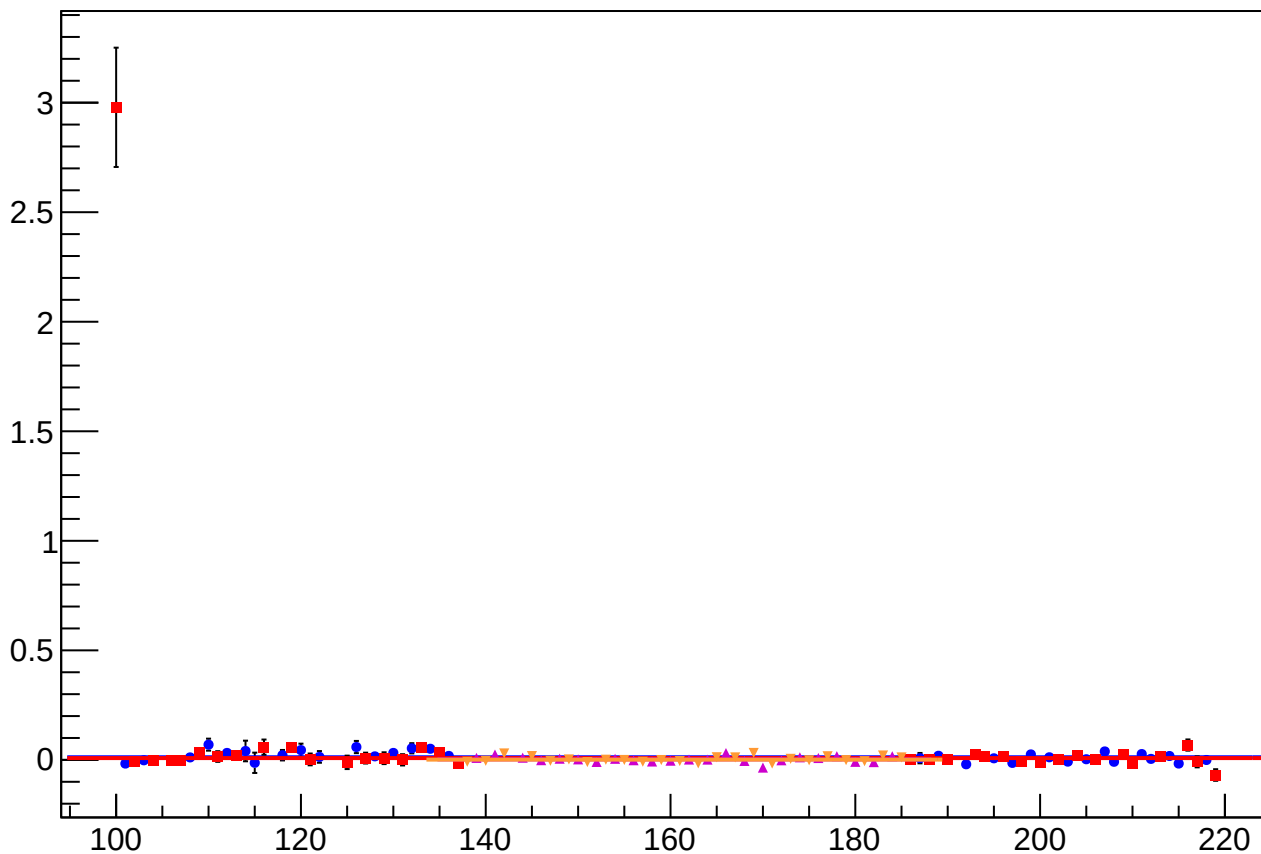
Left In: -0.254 ± 0.050 χ^2/NDF : 40.6/22

+ sign -0.104 ± 0.039 χ^2/NDF : 110.8/55

All: -0.119 ± 0.028 χ^2/NDF : 238.8/113

- sign -0.134 ± 0.039 χ^2/NDF : 127.6/57

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.012 $\pm$ 0.003 χ^2 /NDF: 47.3/31

Left Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 26.7/23

Right Out: 0.008 $\pm$ 0.003 χ^2 /NDF: 166.8/34

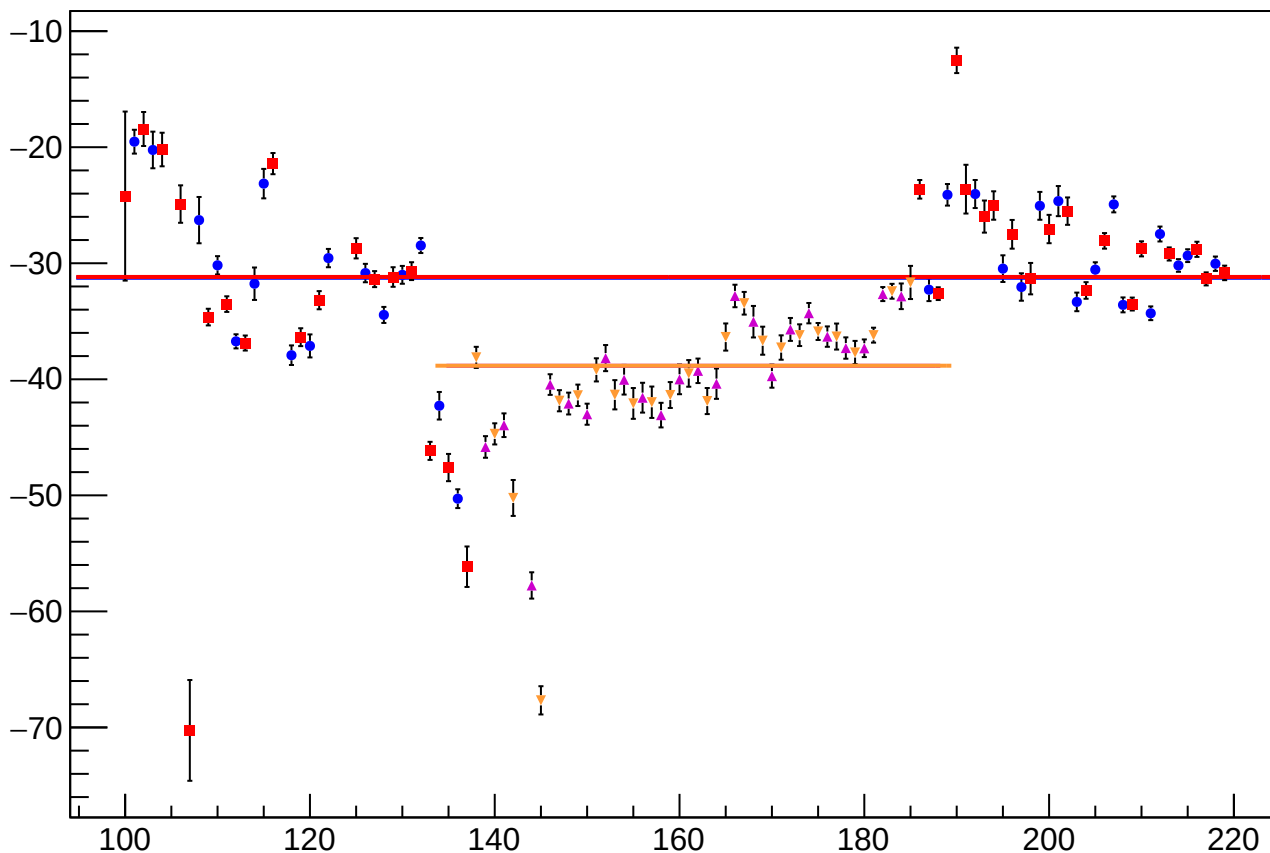
Left In: 0.002 $\pm$ 0.002 χ^2 /NDF: 24.6/22

+ sign 0.005 $\pm$ 0.002 χ^2 /NDF: 82.1/55

All: 0.005 $\pm$ 0.001 χ^2 /NDF: 276.1/113

- sign 0.004 $\pm$ 0.002 χ^2 /NDF: 194.0/57

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.250 ± 0.142 $\chi^2/\text{NDF}: 1425.3/31$

Left Out: -38.829 ± 0.202 $\chi^2/\text{NDF}: 917.0/23$

Right Out: -31.180 ± 0.138 $\chi^2/\text{NDF}: 1852.6/35$

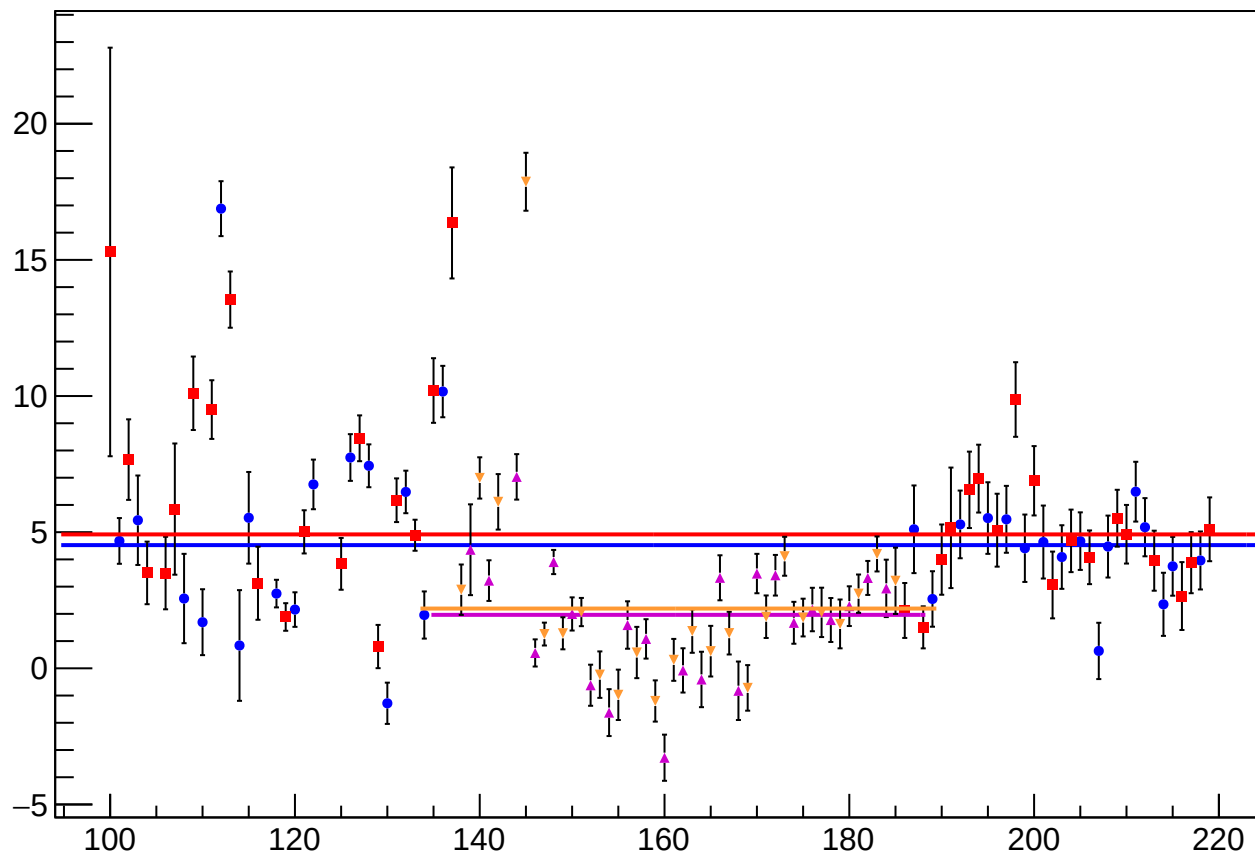
Left In: -38.837 ± 0.203 $\chi^2/\text{NDF}: 653.4/22$

+ sign -33.750 ± 0.116 $\chi^2/\text{NDF}: 3285.2/55$

All: -33.674 ± 0.081 $\chi^2/\text{NDF}: 6761.3/114$

- sign -33.600 ± 0.114 $\chi^2/\text{NDF}: 3475.2/58$

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.525 ± 0.175 χ^2/NDF : 358.2/31

Left Out: 2.195 ± 0.152 χ^2/NDF : 365.1/23

Right Out: 4.918 ± 0.173 χ^2/NDF : 303.5/35

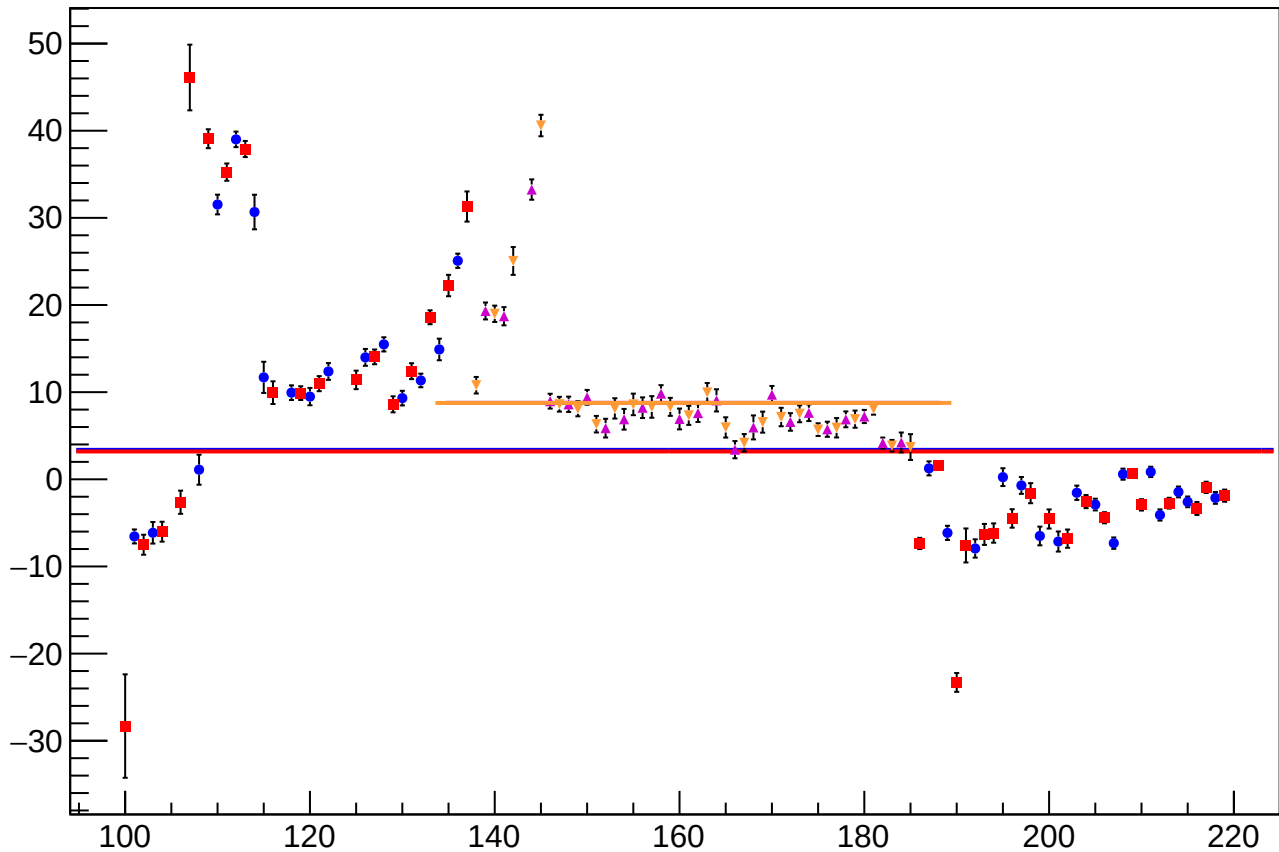
Left In: 1.964 ± 0.155 χ^2/NDF : 173.2/22

+ sign 3.200 ± 0.115 χ^2/NDF : 824.4/55

All: 3.240 ± 0.081 χ^2/NDF : 1463.9/114

- sign 3.281 ± 0.115 χ^2/NDF : 639.2/58

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 3.379 ± 0.149 χ^2/NDF : 5350.5/31

Left Out: 8.766 ± 0.200 χ^2/NDF : 1035.4/23

Right Out: 3.195 ± 0.144 χ^2/NDF : 7118.7/35

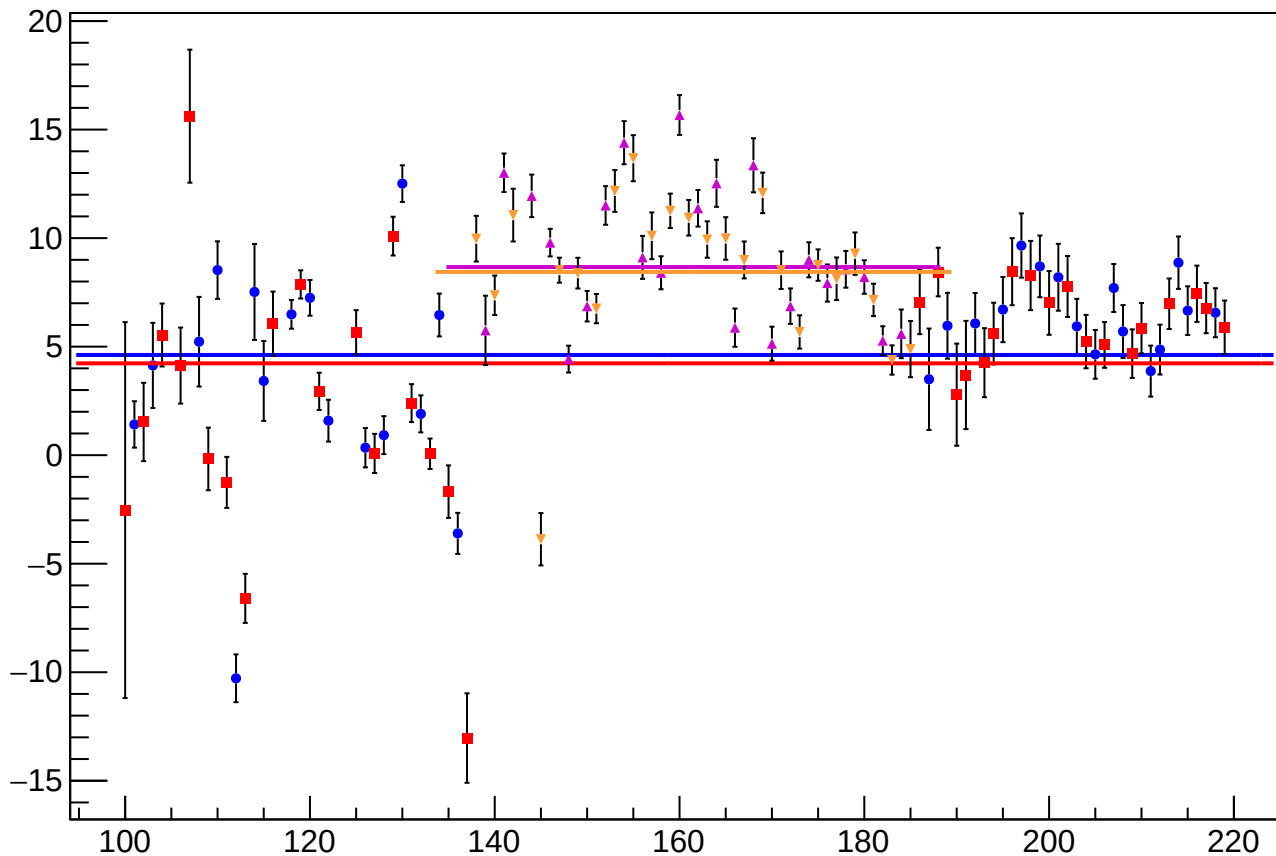
Left In: 8.773 ± 0.201 χ^2/NDF : 795.1/22

+ sign 5.292 ± 0.119 χ^2/NDF : 6851.5/55

All: 5.187 ± 0.084 χ^2/NDF : 15273.5/114

- sign 5.086 ± 0.117 χ^2/NDF : 8420.5/58

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.617 ± 0.199 χ^2/NDF : 505.8/31

Left Out: 8.442 ± 0.174 χ^2/NDF : 264.2/23

Right Out: 4.231 ± 0.199 χ^2/NDF : 440.2/35

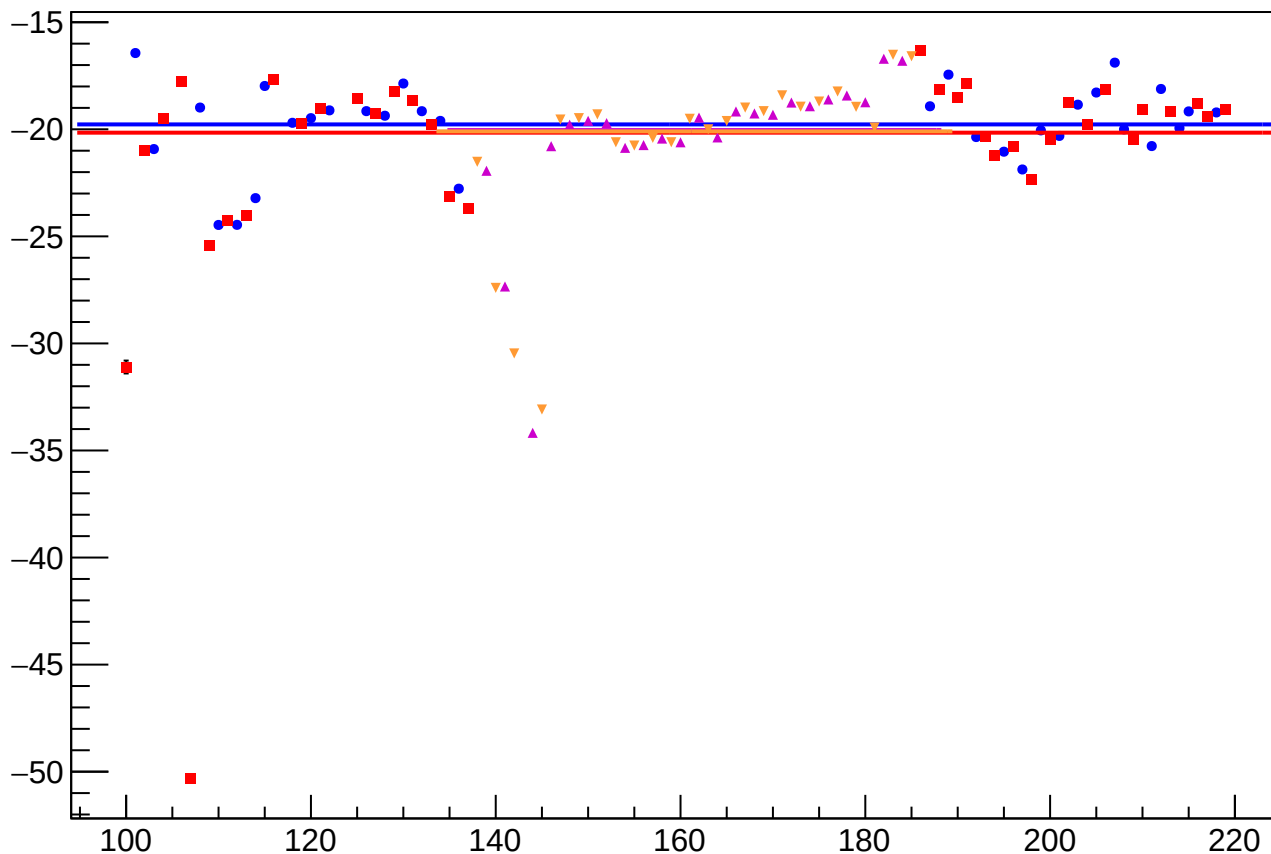
Left In: 8.666 ± 0.176 χ^2/NDF : 304.8/22

+ sign 6.794 ± 0.131 χ^2/NDF : 979.3/55

All: 6.760 ± 0.093 χ^2/NDF : 2003.6/114

- sign 6.725 ± 0.132 χ^2/NDF : 1024.1/58

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.772 ± 0.010 $\chi^2/\text{NDF}: 32578.5/31$

Left Out: -20.096 ± 0.008 $\chi^2/\text{NDF}: 159293.0/23$

Right Out: -20.157 ± 0.010 $\chi^2/\text{NDF}: 73099.3/35$

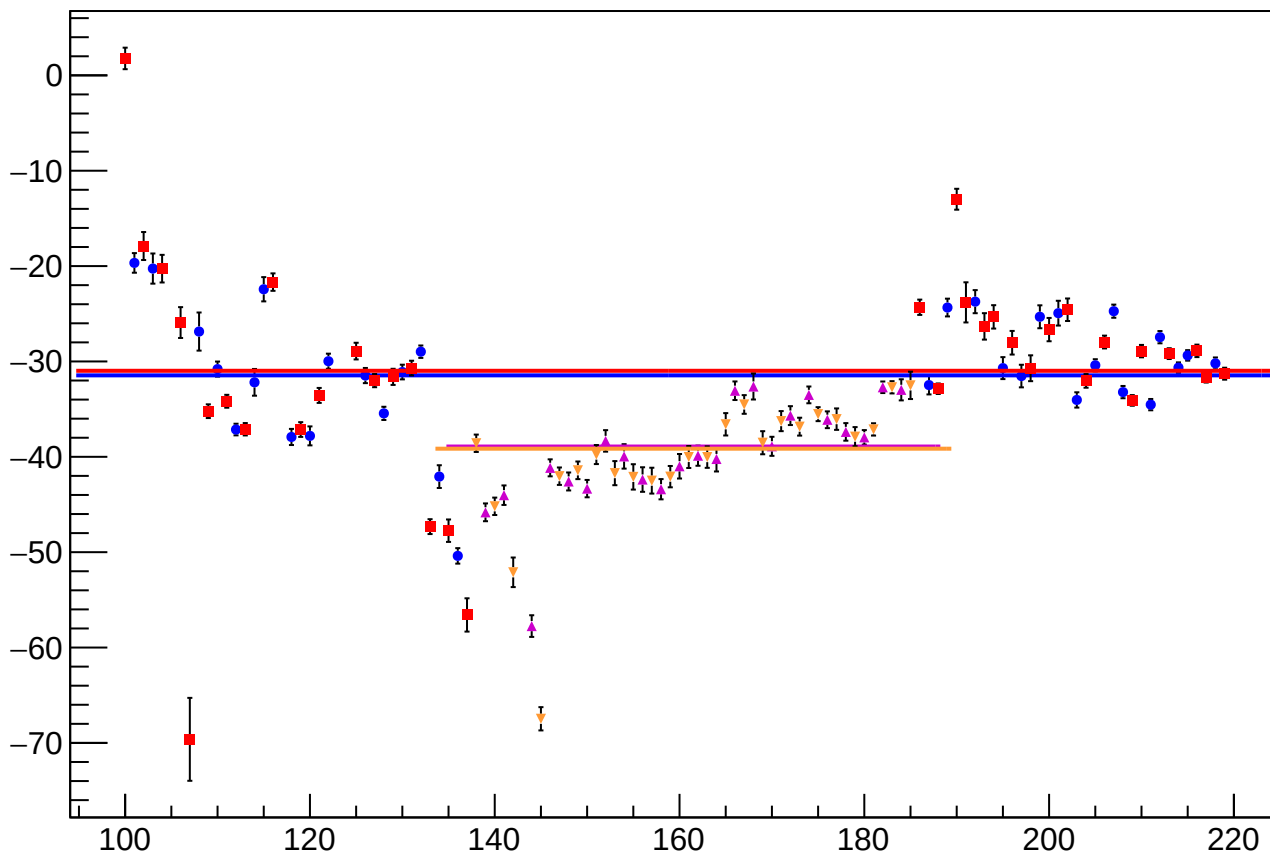
Left In: -20.037 ± 0.008 $\chi^2/\text{NDF}: 132291.6/22$

+ sign -19.971 ± 0.006 $\chi^2/\text{NDF}: 192519.4/55$

All: -20.028 ± 0.004 $\chi^2/\text{NDF}: 398167.6/114$

- sign -20.084 ± 0.006 $\chi^2/\text{NDF}: 205480.7/58$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.459 ± 0.142 $\chi^2/\text{NDF}: 1452.2/31$

Left Out: -39.148 ± 0.202 $\chi^2/\text{NDF}: 898.8/23$

Right Out: -30.979 ± 0.137 $\chi^2/\text{NDF}: 2782.2/35$

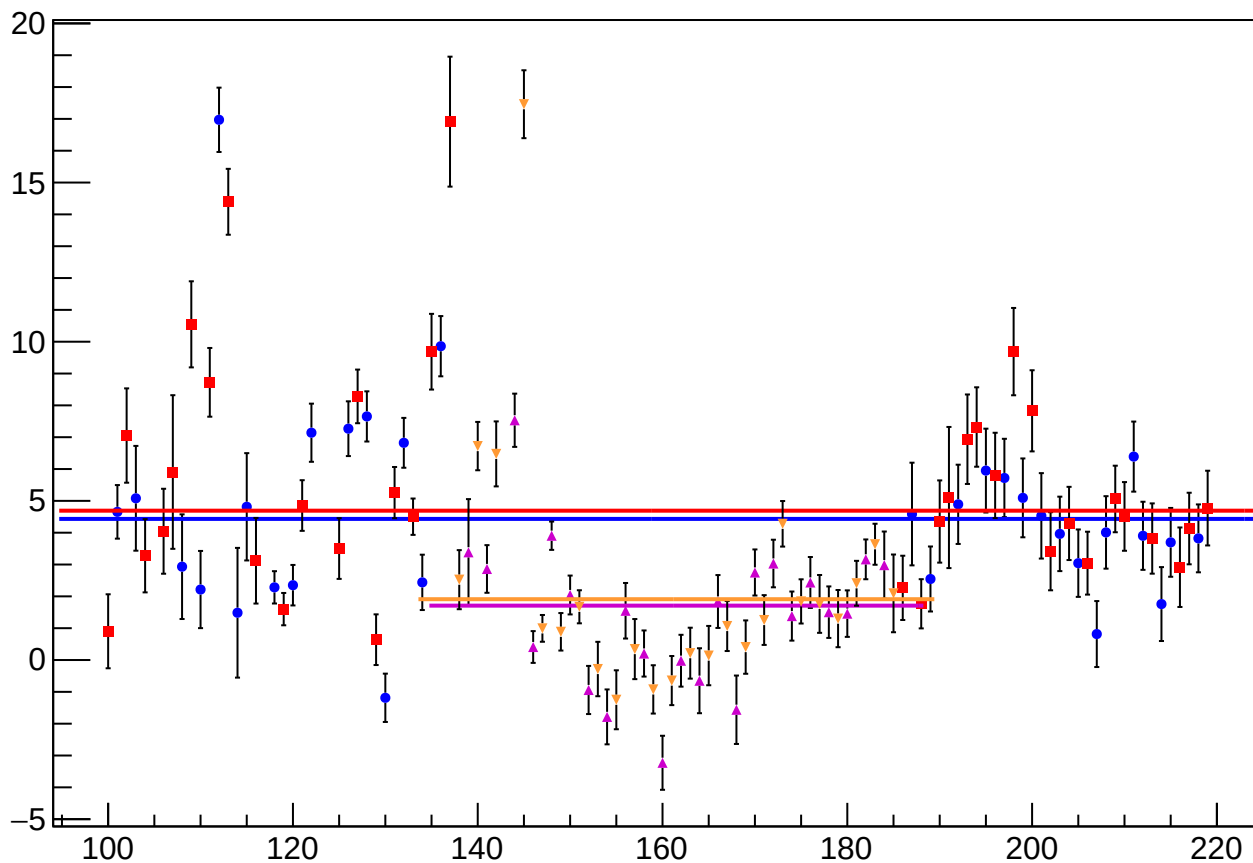
Left In: -38.921 ± 0.204 $\chi^2/\text{NDF}: 684.4/22$

+ sign -33.994 ± 0.116 $\chi^2/\text{NDF}: 3317.9/55$

All: -33.724 ± 0.081 $\chi^2/\text{NDF}: 7838.9/114$

- sign -33.464 ± 0.114 $\chi^2/\text{NDF}: 4510.4/58$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.433 ± 0.175 $\chi^2/\text{NDF}: 357.8/31$

Left Out: 1.911 ± 0.152 $\chi^2/\text{NDF}: 359.3/23$

Right Out: 4.692 ± 0.171 $\chi^2/\text{NDF}: 328.2/35$

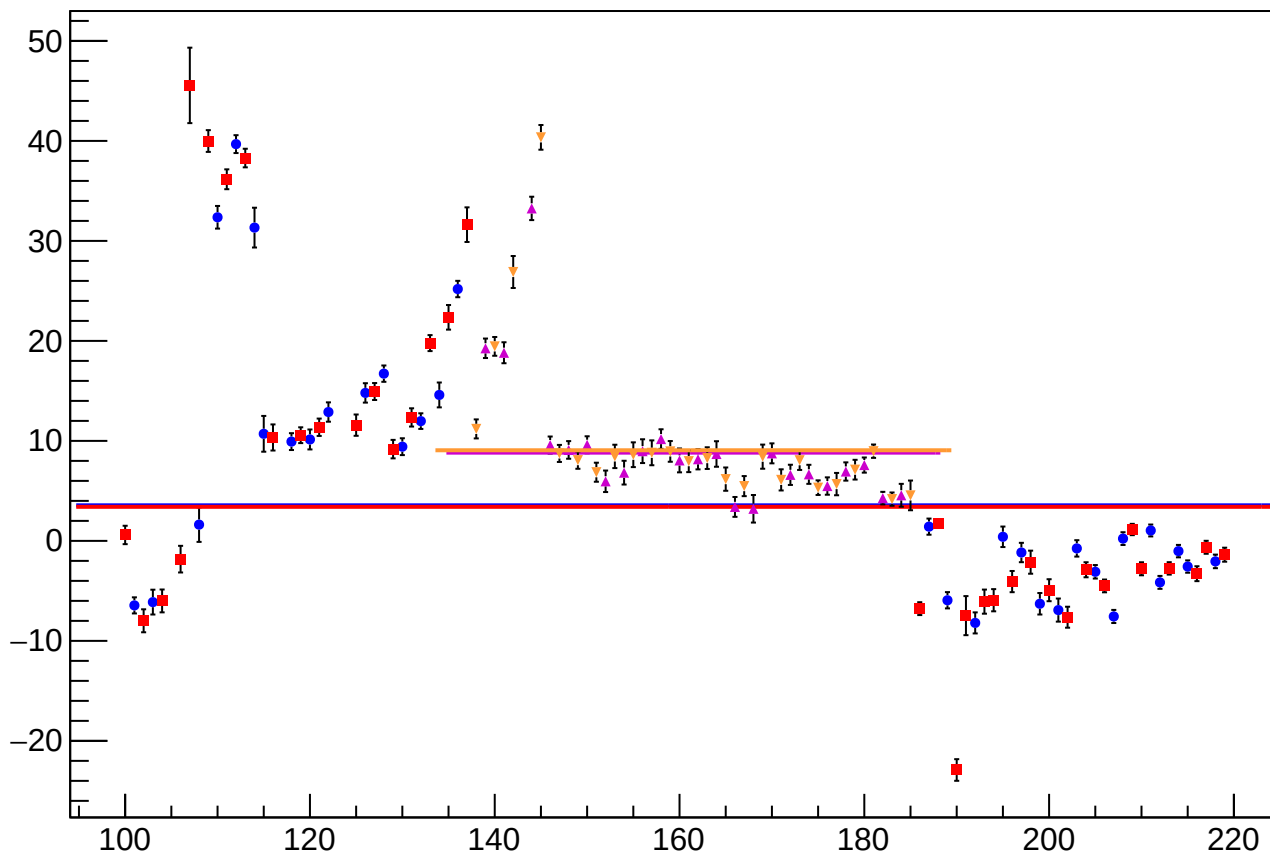
Left In: 1.709 ± 0.155 $\chi^2/\text{NDF}: 182.6/22$

+ sign 2.999 ± 0.115 $\chi^2/\text{NDF}: 835.2/55$

All: 3.027 ± 0.081 $\chi^2/\text{NDF}: 1513.1/114$

- sign 3.054 ± 0.115 $\chi^2/\text{NDF}: 677.8/58$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 3.555 ± 0.149 χ^2/NDF : 5525.6/31

Left Out: 9.061 ± 0.201 χ^2/NDF : 1033.5/23

Right Out: 3.408 ± 0.143 χ^2/NDF : 7294.6/35

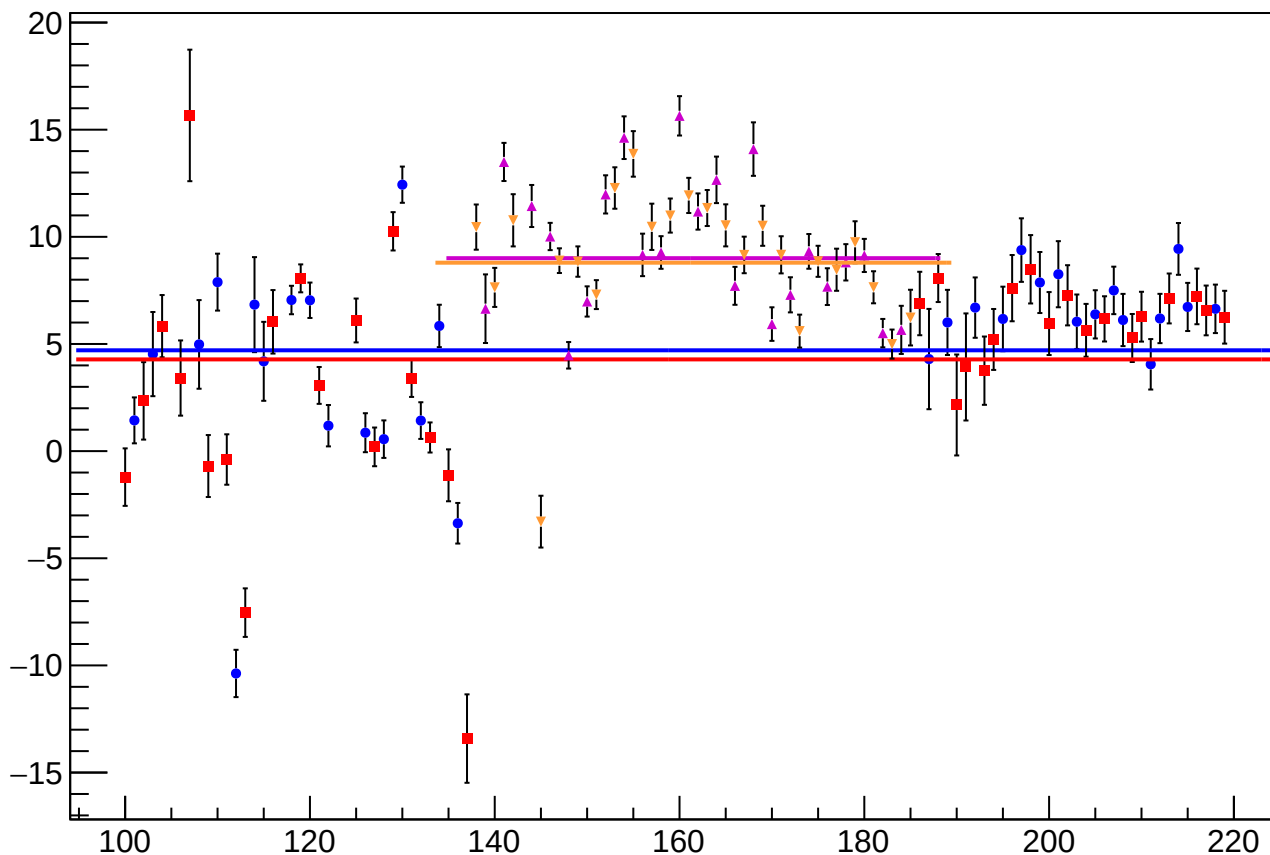
Left In: 8.826 ± 0.202 χ^2/NDF : 801.4/22

+ sign 5.510 ± 0.120 χ^2/NDF : 7043.7/55

All: 5.359 ± 0.084 χ^2/NDF : 15623.1/114

- sign 5.215 ± 0.117 χ^2/NDF : 8576.2/58

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.705 ± 0.200 $\chi^2/\text{NDF}: 507.5/31$

Left Out: 8.793 ± 0.174 $\chi^2/\text{NDF}: 244.1/23$

Right Out: 4.280 ± 0.197 $\chi^2/\text{NDF}: 455.2/35$

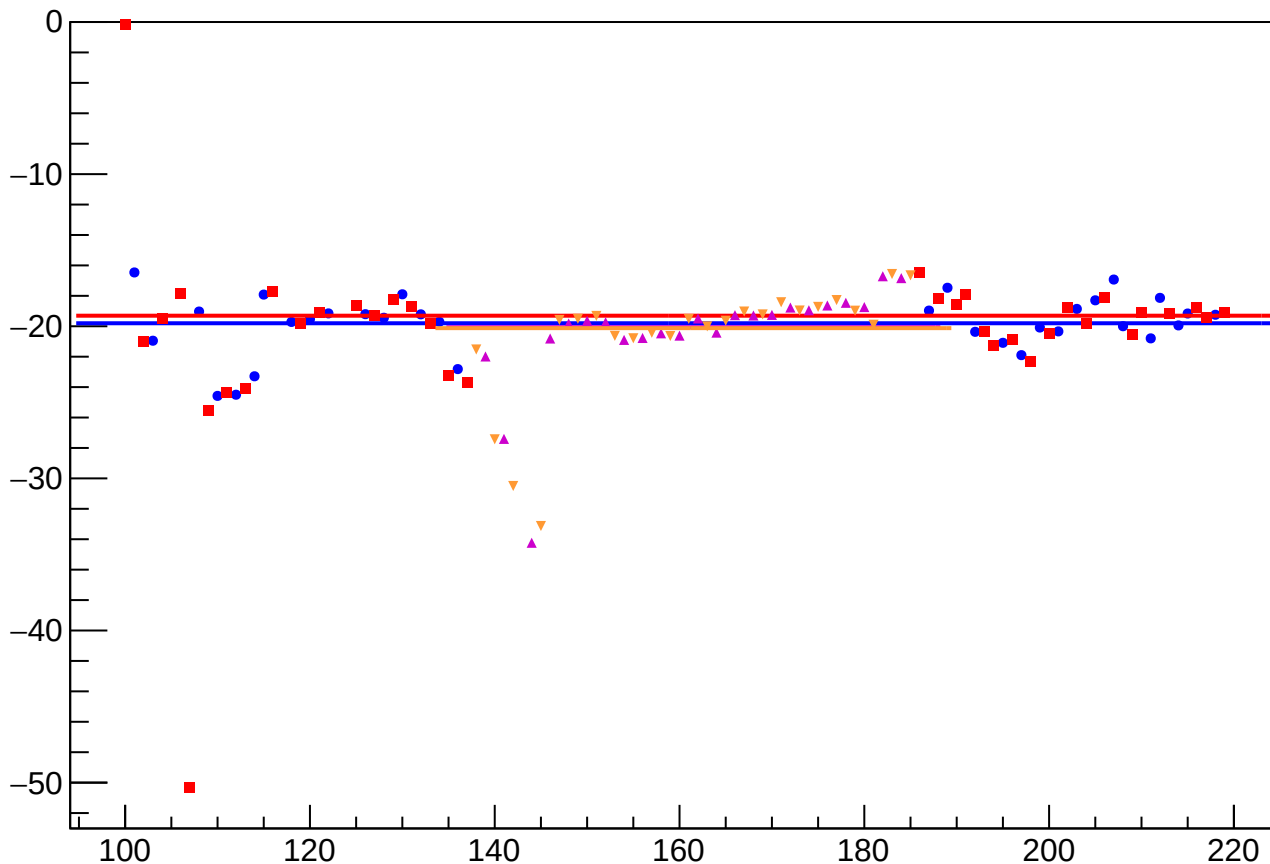
Left In: 9.004 ± 0.176 $\chi^2/\text{NDF}: 289.6/22$

+ sign 7.032 ± 0.131 $\chi^2/\text{NDF}: 989.7/55$

All: 6.972 ± 0.093 $\chi^2/\text{NDF}: 2054.0/114$

- sign 6.912 ± 0.131 $\chi^2/\text{NDF}: 1063.9/58$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.802 ± 0.010 χ^2/NDF : 32603.4/31

Left Out: -20.123 ± 0.008 χ^2/NDF : 158578.7/23

Right Out: -19.306 ± 0.010 χ^2/NDF : 248164.3/35

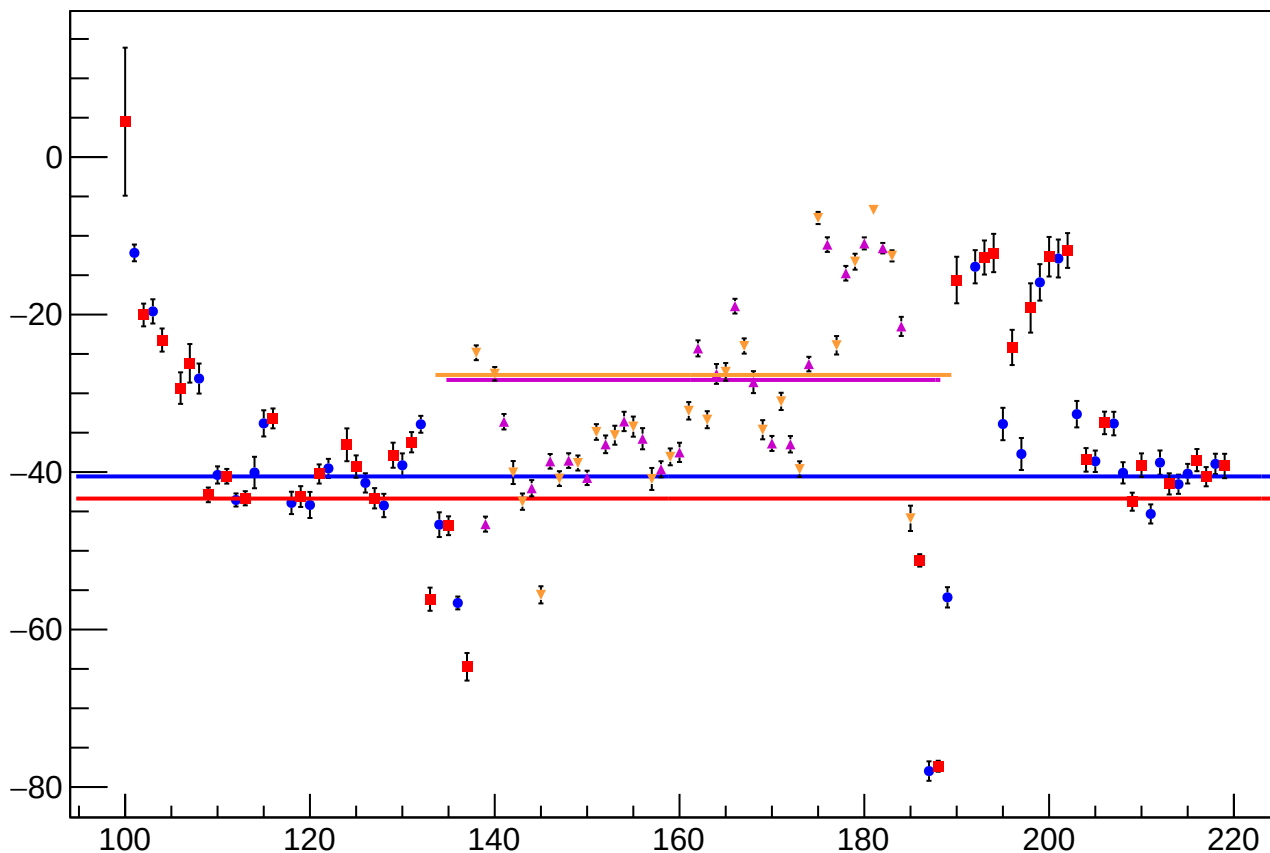
Left In: -20.063 ± 0.008 χ^2/NDF : 132690.0/22

+ sign -19.999 ± 0.006 χ^2/NDF : 191813.6/55

All: -19.879 ± 0.004 χ^2/NDF : 577061.7/114

- sign -19.761 ± 0.006 χ^2/NDF : 384506.1/58

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.556 ± 0.238 $\chi^2/\text{NDF}: 2969.3/31$

Left Out: -27.668 ± 0.200 $\chi^2/\text{NDF}: 4396.9/24$

Right Out: -43.366 ± 0.225 $\chi^2/\text{NDF}: 4464.5/35$

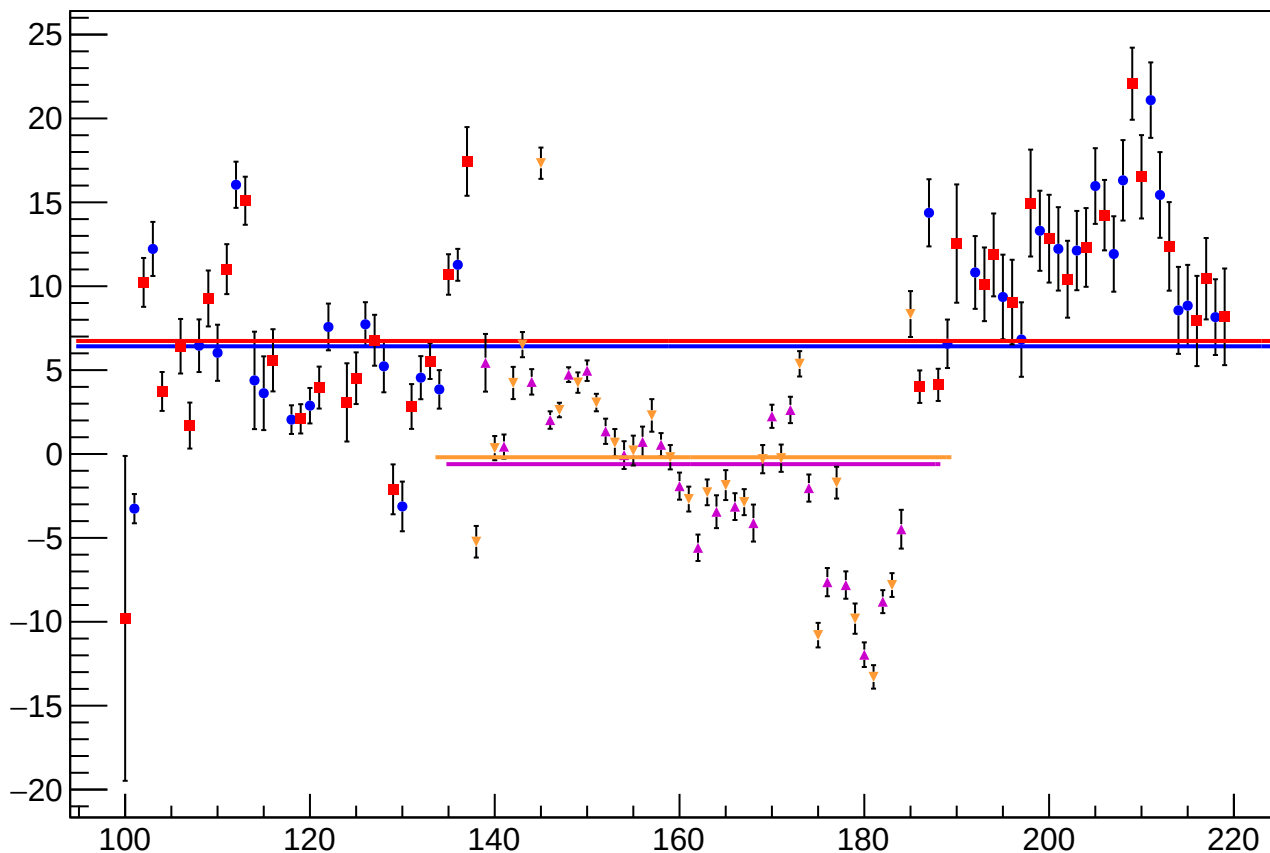
Left In: -28.303 ± 0.206 $\chi^2/\text{NDF}: 3273.4/22$

+ sign -33.005 ± 0.153 $\chi^2/\text{NDF}: 9078.0/56$

All: -34.094 ± 0.108 $\chi^2/\text{NDF}: 19355.8/115$

- sign -35.161 ± 0.152 $\chi^2/\text{NDF}: 10178.0/58$

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 6.419 ± 0.275 $\chi^2/\text{NDF}: 441.0/31$

Left Out: -0.192 ± 0.150 $\chi^2/\text{NDF}: 1545.3/24$

Right Out: 6.738 ± 0.266 $\chi^2/\text{NDF}: 327.5/35$

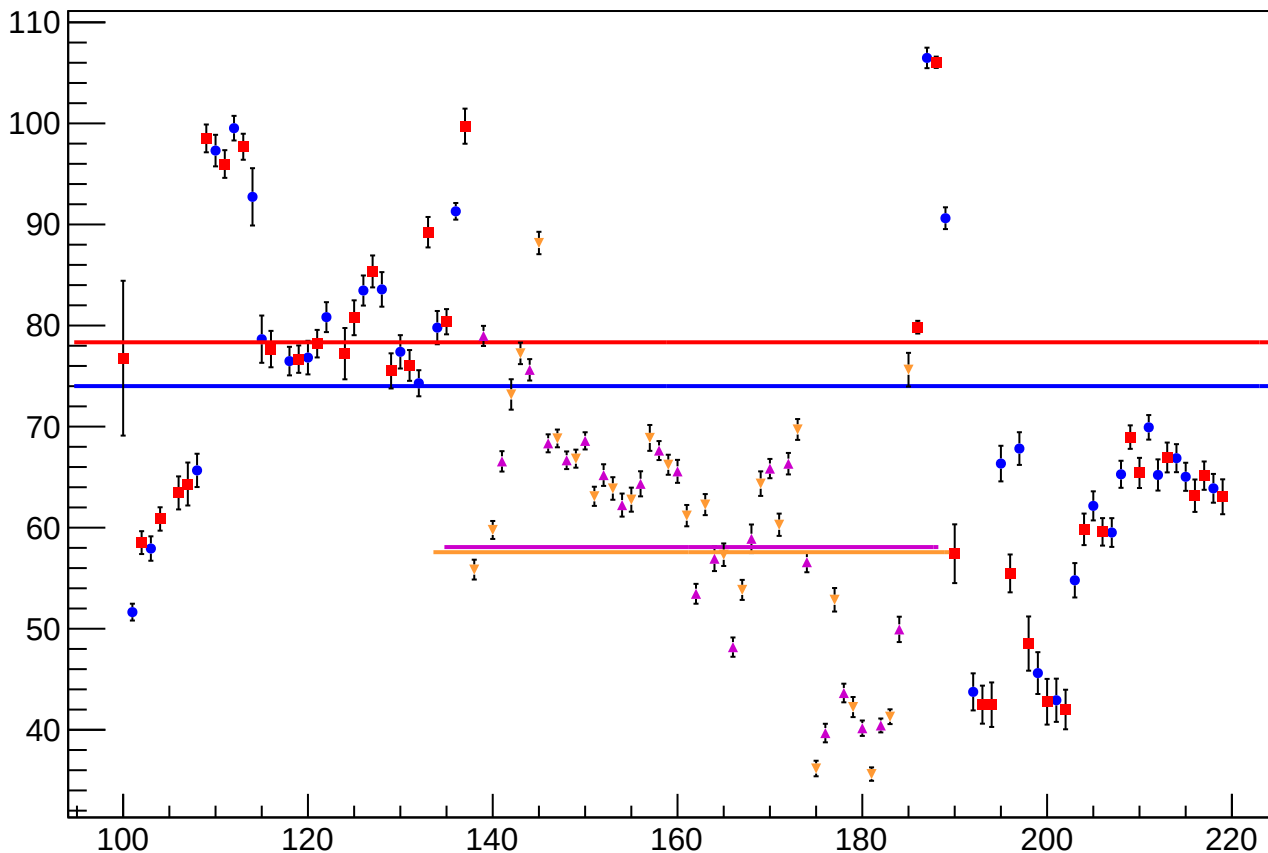
Left In: -0.605 ± 0.155 $\chi^2/\text{NDF}: 974.6/22$

+ sign 1.329 ± 0.132 $\chi^2/\text{NDF}: 2432.8/56$

All: 1.293 ± 0.094 $\chi^2/\text{NDF}: 4302.3/115$

- sign 1.255 ± 0.134 $\chi^2/\text{NDF}: 1869.4/58$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 74.007 $\pm$ 0.245 χ^2 /NDF: 4662.5/31

Left Out: 57.573 $\pm$ 0.199 χ^2 /NDF: 4685.5/24

Right Out: 78.342 $\pm$ 0.227 χ^2 /NDF: 6301.7/35

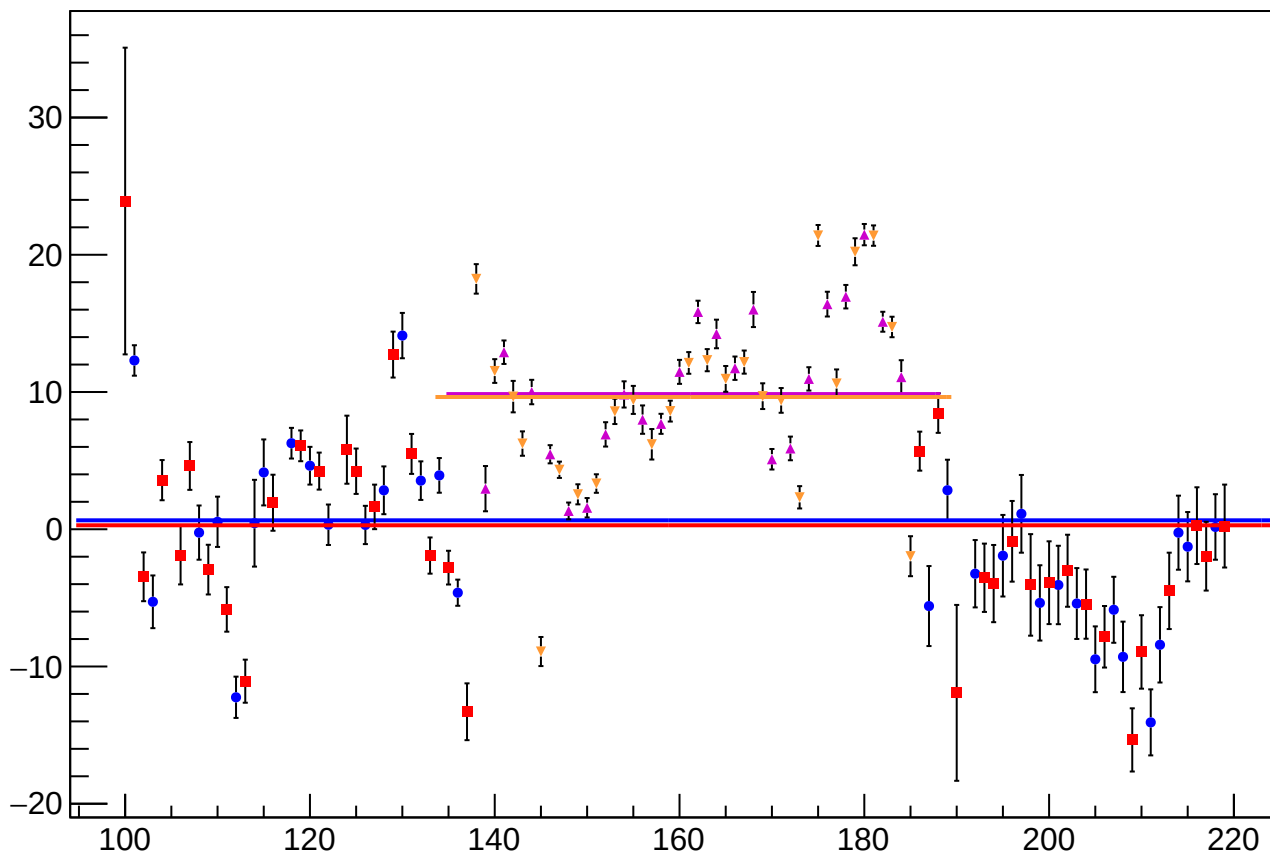
Left In: 58.080 $\pm$ 0.203 χ^2 /NDF: 3558.6/22

+ sign 64.093 $\pm$ 0.155 χ^2 /NDF: 12054.1/56

All: 65.617 $\pm$ 0.108 χ^2 /NDF: 26513.2/115

- sign 67.085 $\pm$ 0.152 χ^2 /NDF: 14268.0/58

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 0.651 ± 0.316 χ^2/NDF : 450.2/31

Left Out: 9.636 ± 0.171 χ^2/NDF : 1491.5/24

Right Out: 0.289 ± 0.314 χ^2/NDF : 398.4/35

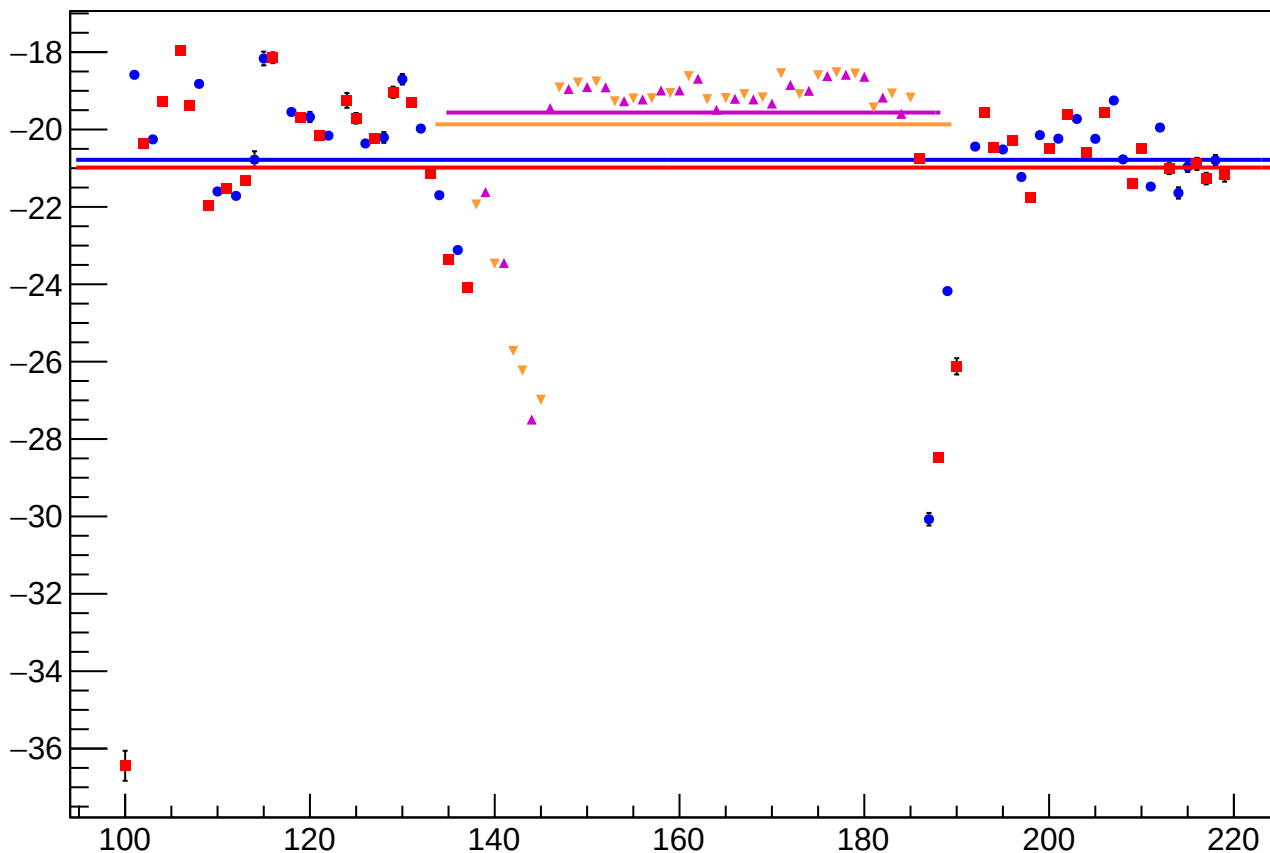
Left In: 9.849 ± 0.176 χ^2/NDF : 993.0/22

+ sign 7.597 ± 0.151 χ^2/NDF : 2565.1/56

All: 7.576 ± 0.108 χ^2/NDF : 4662.6/115

- sign 7.554 ± 0.154 χ^2/NDF : 2097.4/58

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.783 ± 0.015 $\chi^2/\text{NDF}: 12654.3/31$

Left Out: -19.866 ± 0.008 $\chi^2/\text{NDF}: 78894.3/24$

Right Out: -20.983 ± 0.016 $\chi^2/\text{NDF}: 20706.6/35$

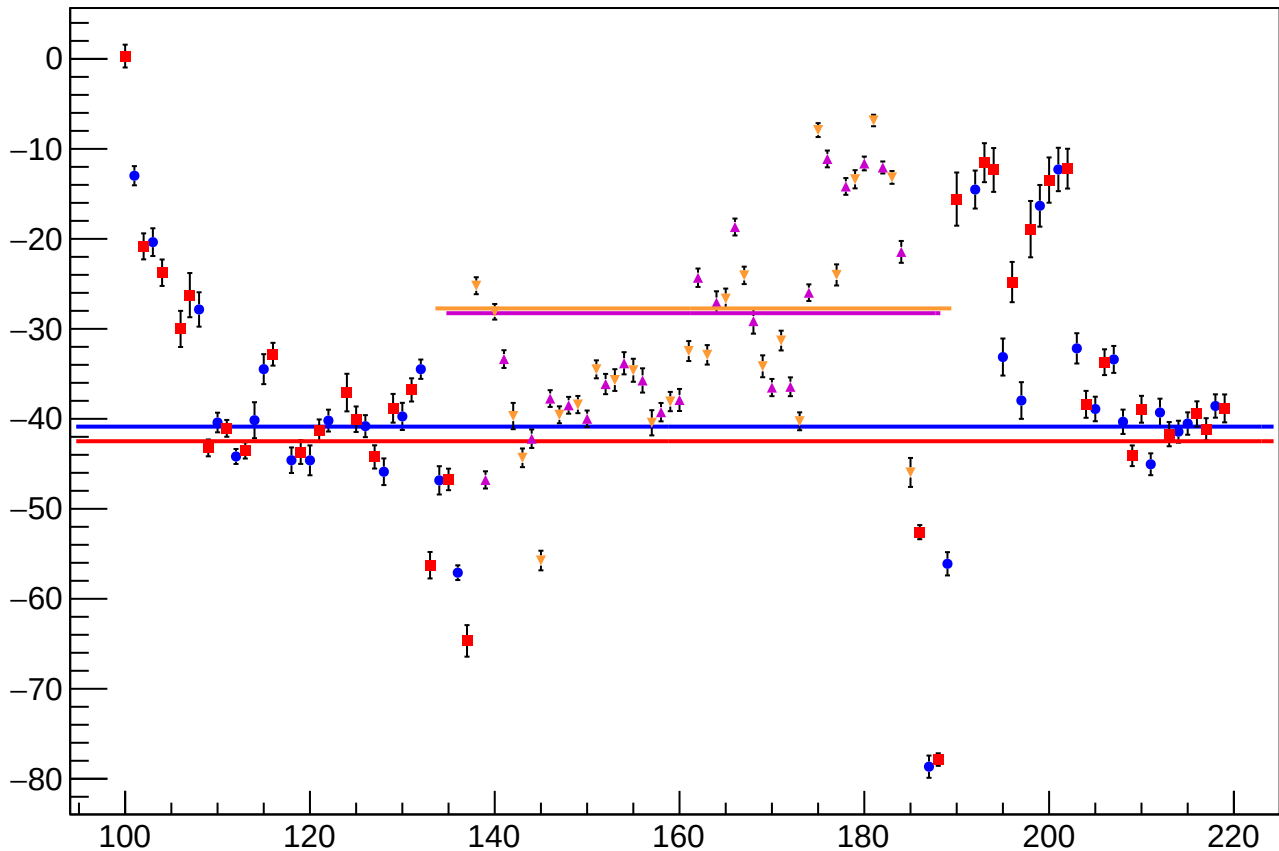
Left In: -19.562 ± 0.008 $\chi^2/\text{NDF}: 45172.6/22$

+ sign -20.055 ± 0.007 $\chi^2/\text{NDF}: 94345.7/56$

All: -19.956 ± 0.005 $\chi^2/\text{NDF}: 167209.0/115$

- sign -19.855 ± 0.007 $\chi^2/\text{NDF}: 72461.1/58$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -40.866 ± 0.239 χ^2/NDF : 2975.1/31

Left Out: -27.729 ± 0.201 χ^2/NDF : 4299.7/24

Right Out: -42.488 ± 0.222 χ^2/NDF : 5657.8/35

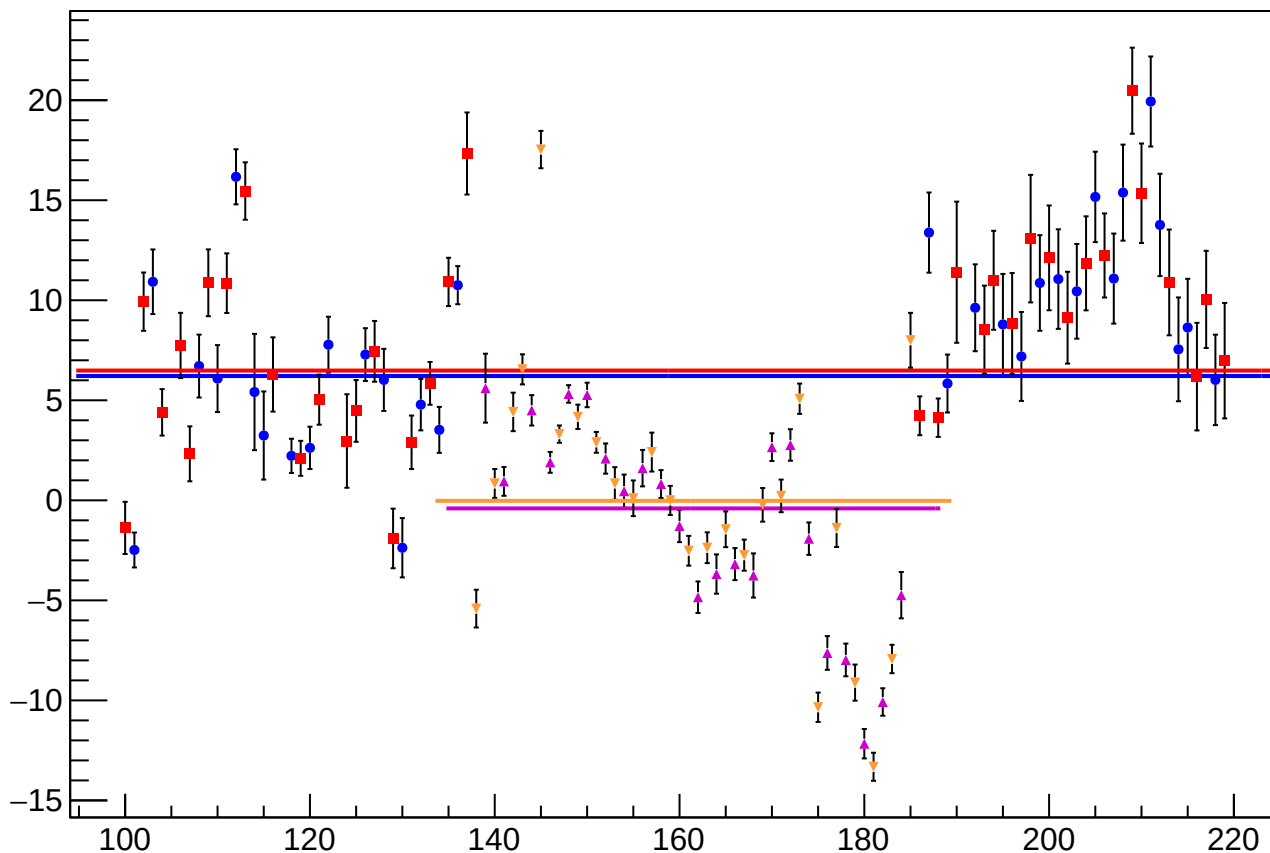
Left In: -28.260 ± 0.206 χ^2/NDF : 3172.7/22

+ sign -33.170 ± 0.154 χ^2/NDF : 9048.2/56

All: -34.024 ± 0.108 χ^2/NDF : 20145.5/115

- sign -34.850 ± 0.151 χ^2/NDF : 11036.5/58

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 6.213 $\pm$ 0.275 χ^2 /NDF: 369.7/31

Left Out: -0.026 $\pm$ 0.150 χ^2 /NDF:1531.8/24

Right Out: 6.487 $\pm$ 0.261 χ^2 /NDF: 322.5/35

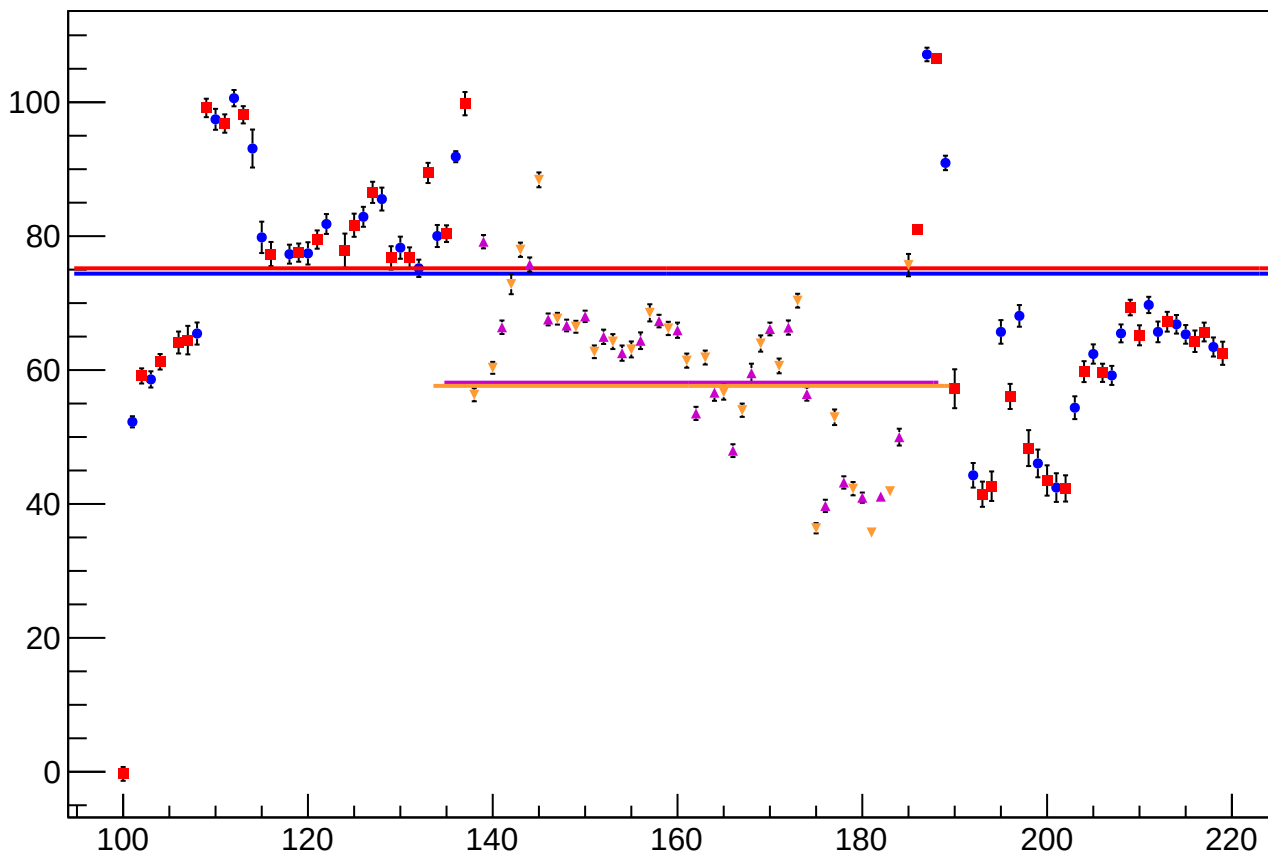
Left In: -0.404 $\pm$ 0.155 χ^2 /NDF:1084.1/22

+ sign 1.410 $\pm$ 0.132 χ^2 /NDF: 2298.0/56

All: 1.403 $\pm$ 0.094 χ^2 /NDF: 4217.8/115

- sign 1.395 $\pm$ 0.134 χ^2 /NDF: 1919.8/58

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 74.400 $\pm$ 0.246 χ^2 /NDF: 4742.6/31

Left Out: 57.638 $\pm$ 0.199 χ^2 /NDF: 4612.7/24

Right Out: 75.196 $\pm$ 0.223 χ^2 /NDF: 11967.2/35

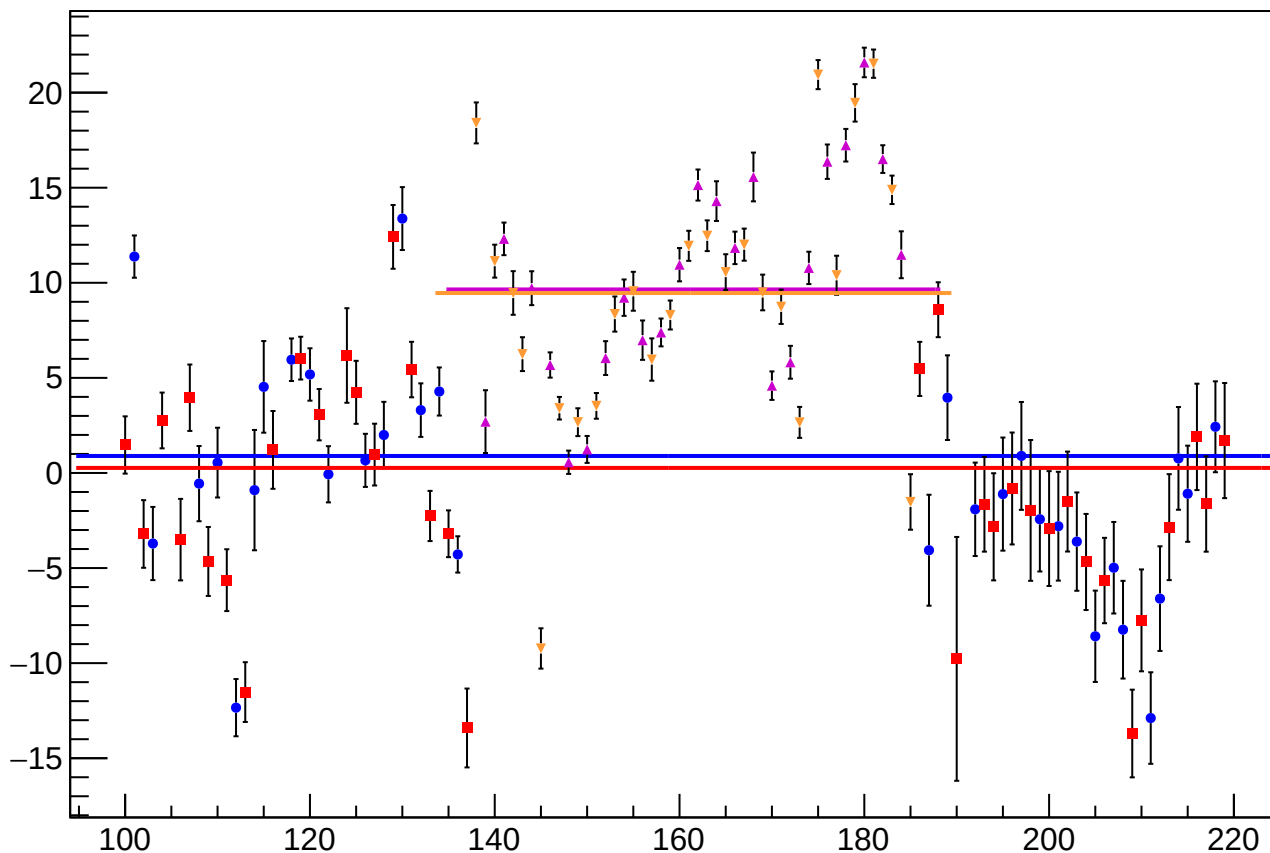
Left In: 58.117 $\pm$ 0.204 χ^2 /NDF: 3443.9/22

+ sign 64.288 $\pm$ 0.155 χ^2 /NDF: 12162.7/56

All: 65.122 $\pm$ 0.108 χ^2 /NDF: 30832.7/115

- sign 65.909 $\pm$ 0.150 χ^2 /NDF: 18613.5/58

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 0.893 ± 0.317 $\chi^2/\text{NDF}: 390.9/31$

Left Out: 9.461 ± 0.172 $\chi^2/\text{NDF}: 1483.1/24$

Right Out: 0.266 ± 0.308 $\chi^2/\text{NDF}: 366.1/35$

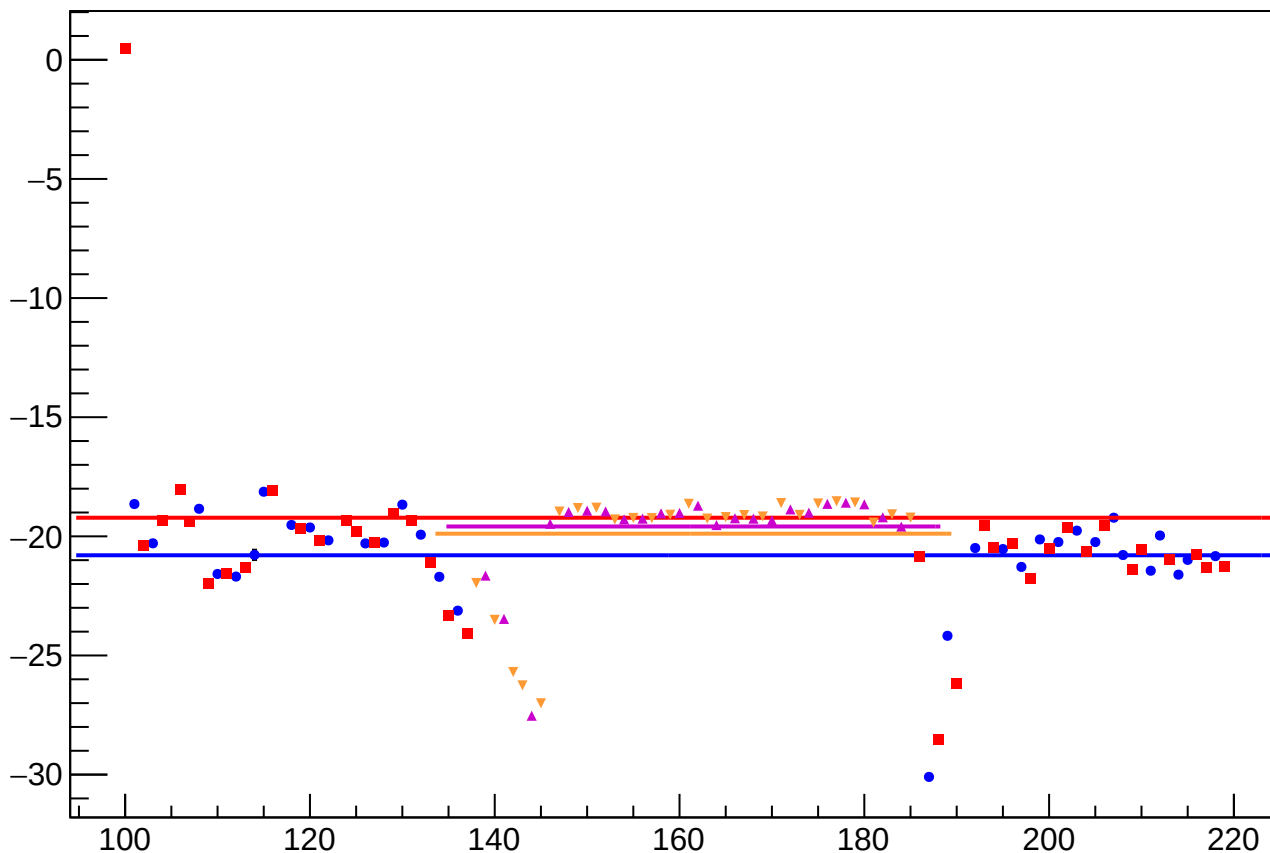
Left In: 9.650 ± 0.177 $\chi^2/\text{NDF}: 1078.5/22$

+ sign 7.517 ± 0.151 $\chi^2/\text{NDF}: 2439.3/56$

All: 7.421 ± 0.108 $\chi^2/\text{NDF}: 4584.7/115$

- sign 7.323 ± 0.153 $\chi^2/\text{NDF}: 2144.6/58$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.795 ± 0.015 $\chi^2/\text{NDF}: 12535.3/31$

Left Out: -19.889 ± 0.008 $\chi^2/\text{NDF}: 78512.6/24$

Right Out: -19.219 ± 0.015 $\chi^2/\text{NDF}: 173067.6/35$

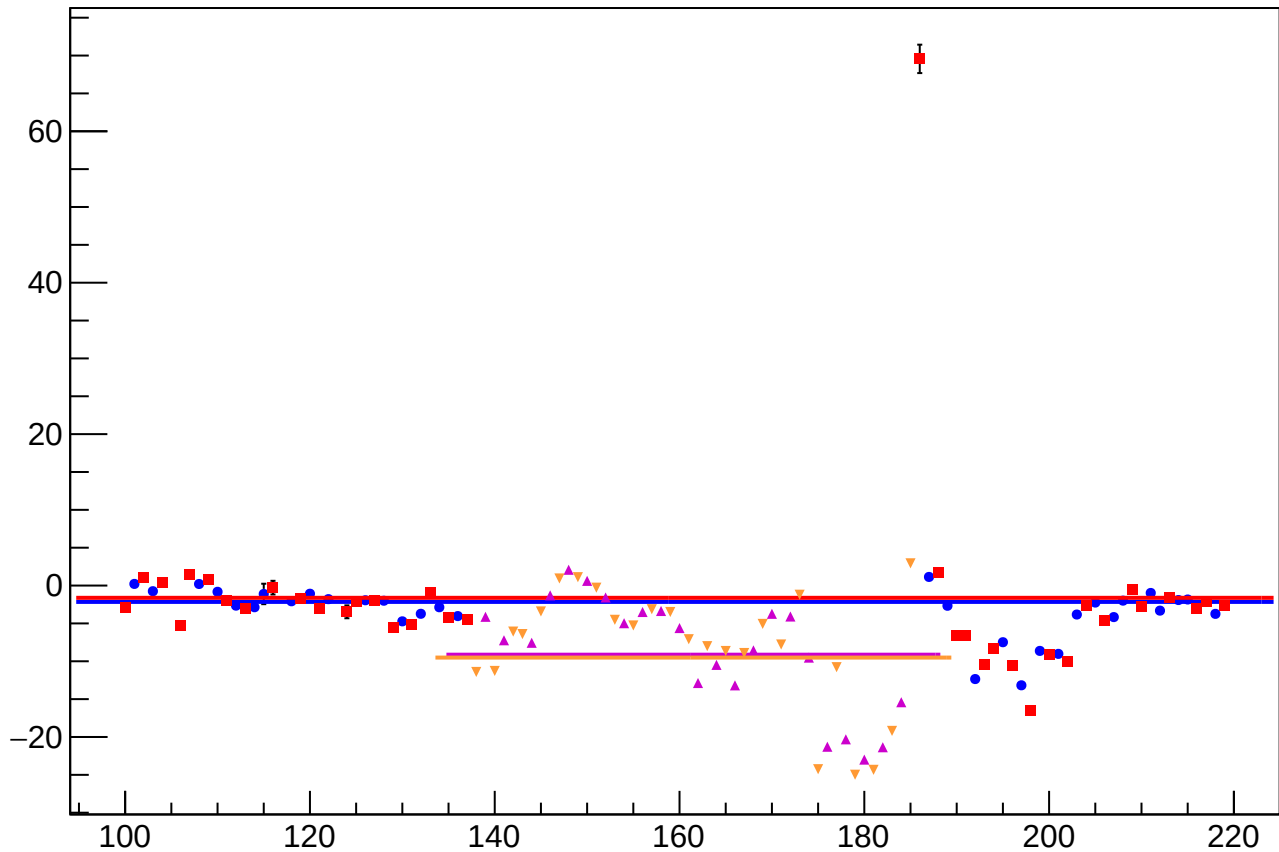
Left In: -19.586 ± 0.008 $\chi^2/\text{NDF}: 45085.3/22$

+ sign -20.075 ± 0.007 $\chi^2/\text{NDF}: 93770.5/56$

All: -19.791 ± 0.005 $\chi^2/\text{NDF}: 315677.8/115$

- sign -19.505 ± 0.007 $\chi^2/\text{NDF}: 218621.1/58$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.159 ± 0.047 χ^2/NDF : 3393.0/31

Left Out: -9.512 ± 0.073 χ^2/NDF : 12916.4/24

Right Out: -1.619 ± 0.043 χ^2/NDF : 6999.3/36

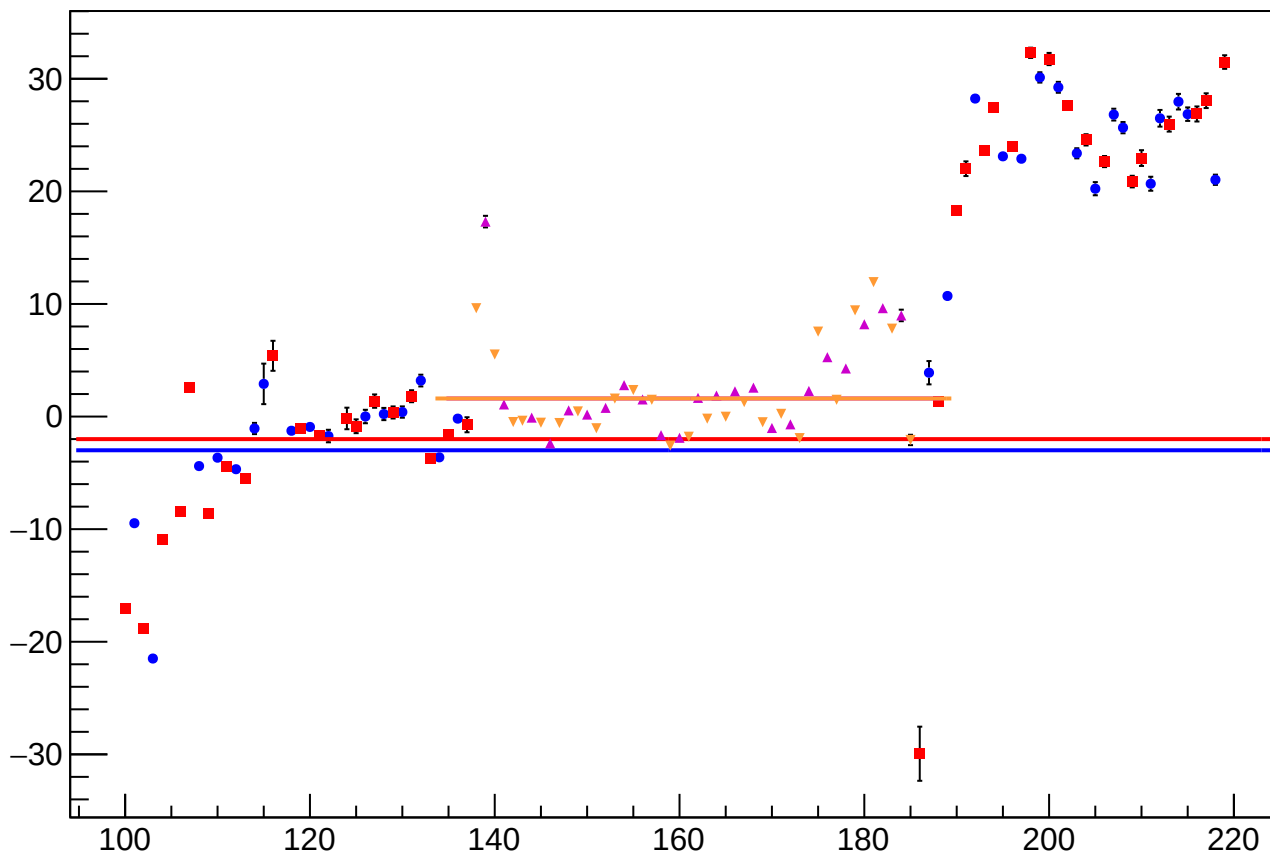
Left In: -9.131 ± 0.075 χ^2/NDF : 10390.6/22

+ sign -4.302 ± 0.039 χ^2/NDF : 23569.8/56

All: -3.884 ± 0.027 χ^2/NDF : 48740.1/116

- sign -3.502 ± 0.037 χ^2/NDF : 24952.6/59

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -2.994 ± 0.052 χ^2/NDF : 71942.7/31

Left Out: 1.606 ± 0.055 χ^2/NDF : 4677.2/24

Right Out: -2.004 ± 0.051 χ^2/NDF : 75801.2/36

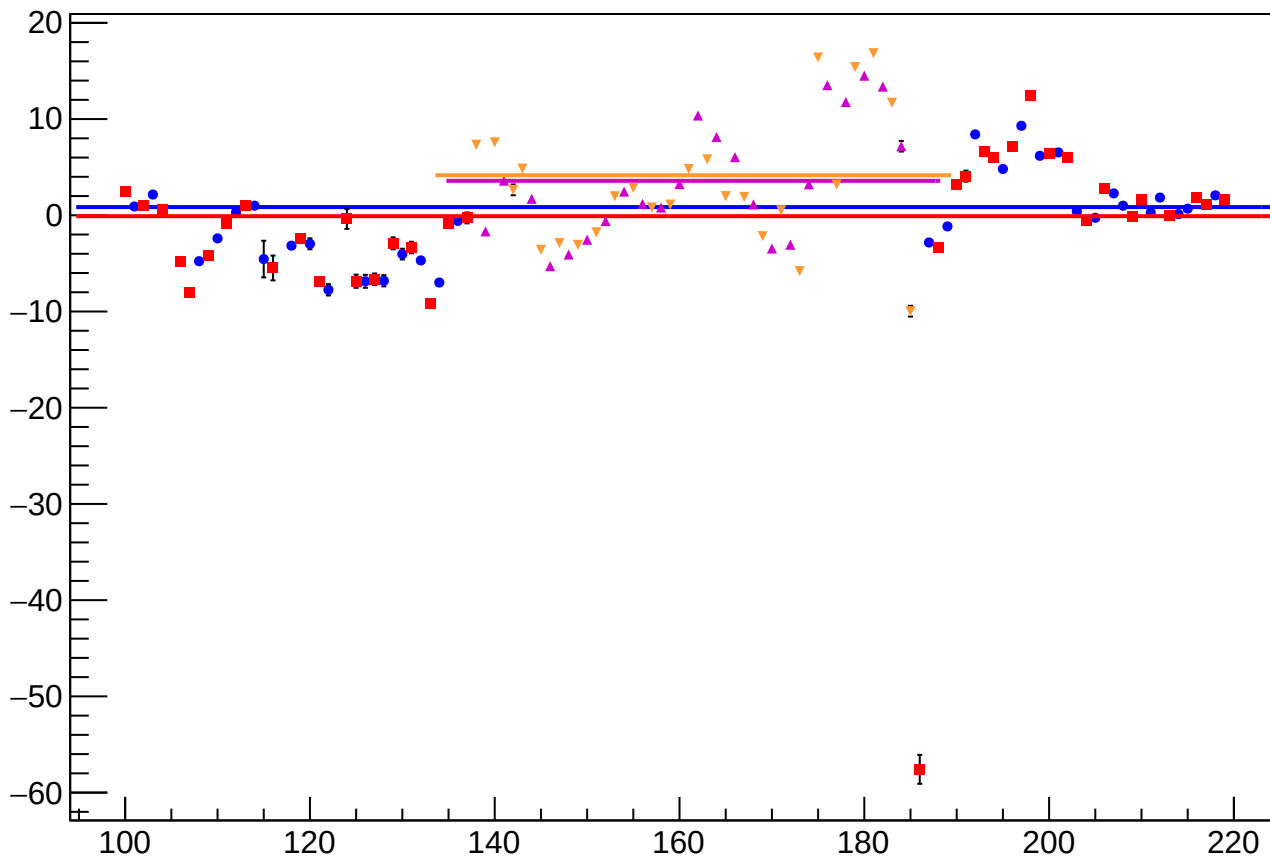
Left In: 1.605 ± 0.058 χ^2/NDF : 3656.4/22

+ sign -0.844 ± 0.038 χ^2/NDF : 80321.1/56

All: -0.632 ± 0.027 χ^2/NDF : 162033.2/116

- sign -0.414 ± 0.038 χ^2/NDF : 81648.1/59

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.853 ± 0.045 $\chi^2/\text{NDF}: 4200.0/31$

Left Out: 4.167 ± 0.072 $\chi^2/\text{NDF}: 9246.5/24$

Right Out: -0.093 ± 0.044 $\chi^2/\text{NDF}: 8287.5/36$

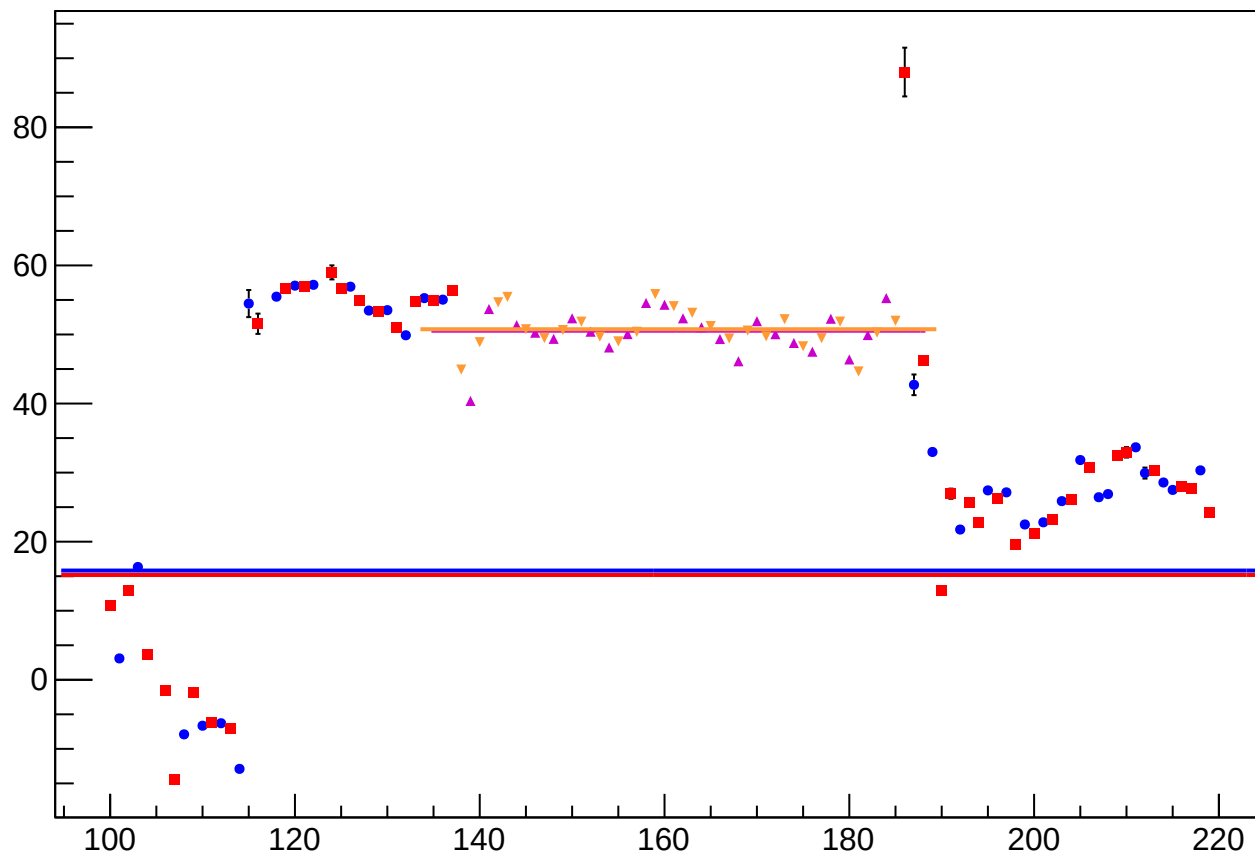
Left In: 3.584 ± 0.074 $\chi^2/\text{NDF}: 7228.4/22$

+ sign 1.788 ± 0.038 $\chi^2/\text{NDF}: 14963.4/56$

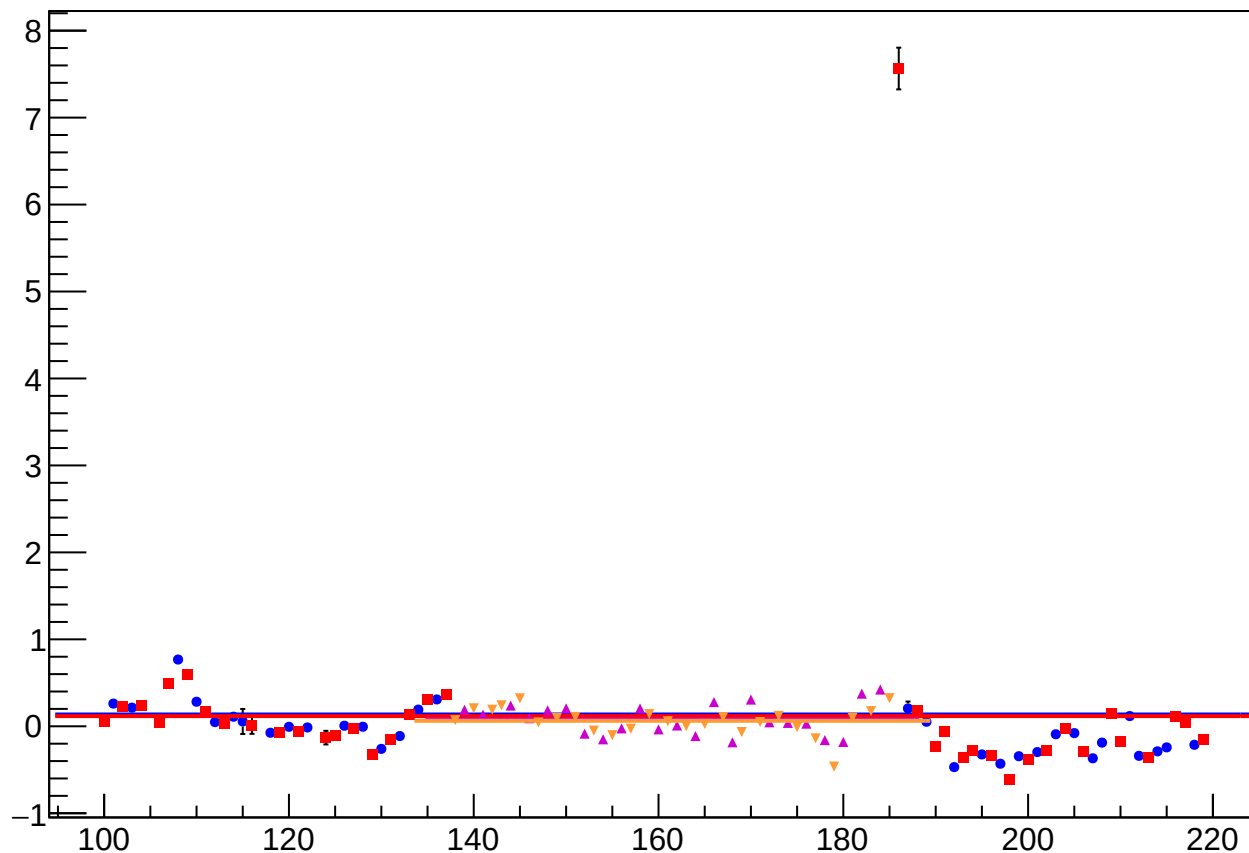
All: 1.320 ± 0.027 $\chi^2/\text{NDF}: 32600.5/116$

- sign 0.866 ± 0.038 $\chi^2/\text{NDF}: 17343.4/59$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.136+/-0.002 χ^2/NDF : 14091.3/31

Left Out: 0.063+/-0.003 χ^2/NDF : 2566.7/24

Right Out: 0.117+/-0.002 χ^2/NDF : 13259.4/36

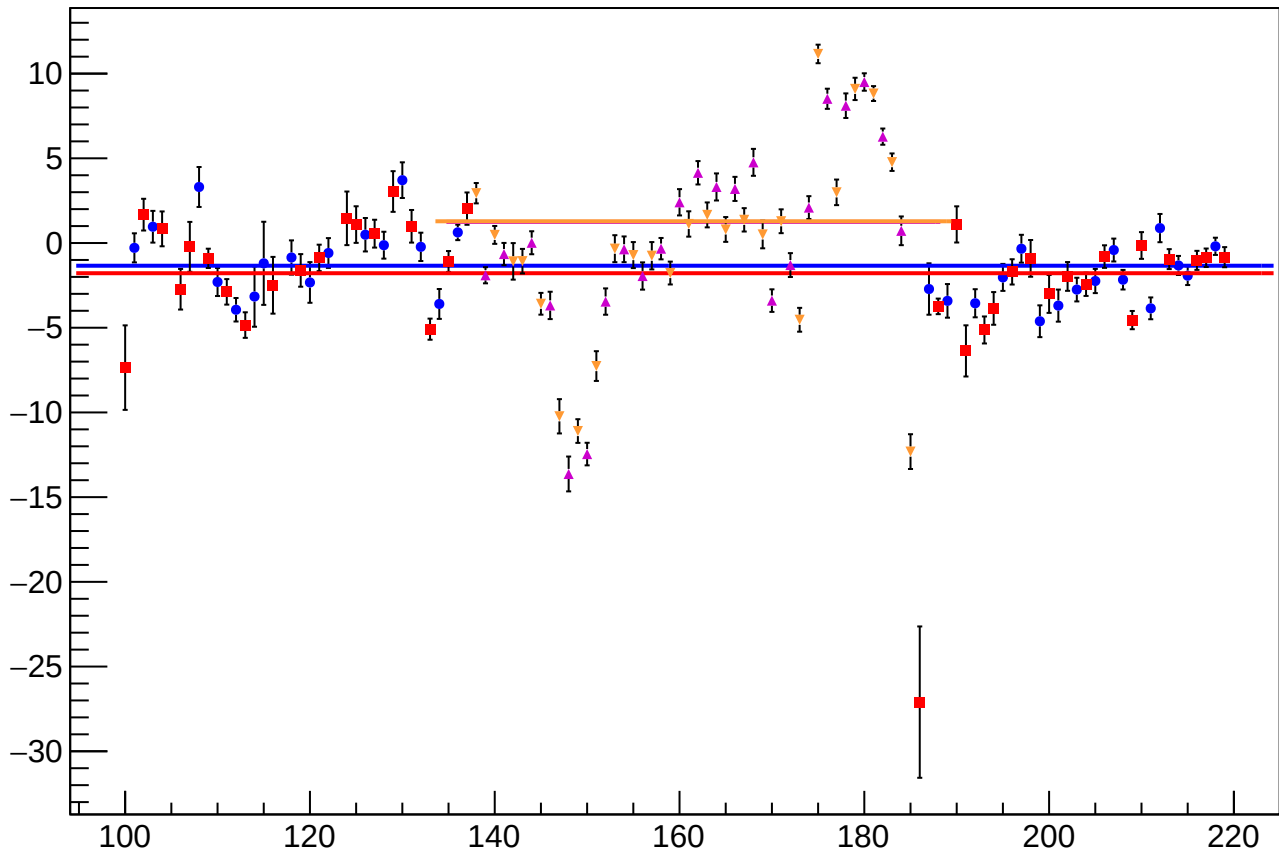
Left In: 0.080+/-0.003 χ^2/NDF : 3446.5/22

+ sign 0.104+/-0.002 χ^2/NDF : 17036.8/56

All: 0.103+/-0.001 χ^2/NDF : 33847.0/116

- sign 0.102+/-0.002 χ^2/NDF : 16809.2/59

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.340 ± 0.138 χ^2/NDF : 167.9/31

Left Out: 1.283 ± 0.137 χ^2/NDF : 1715.5/24

Right Out: -1.782 ± 0.130 χ^2/NDF : 272.4/36

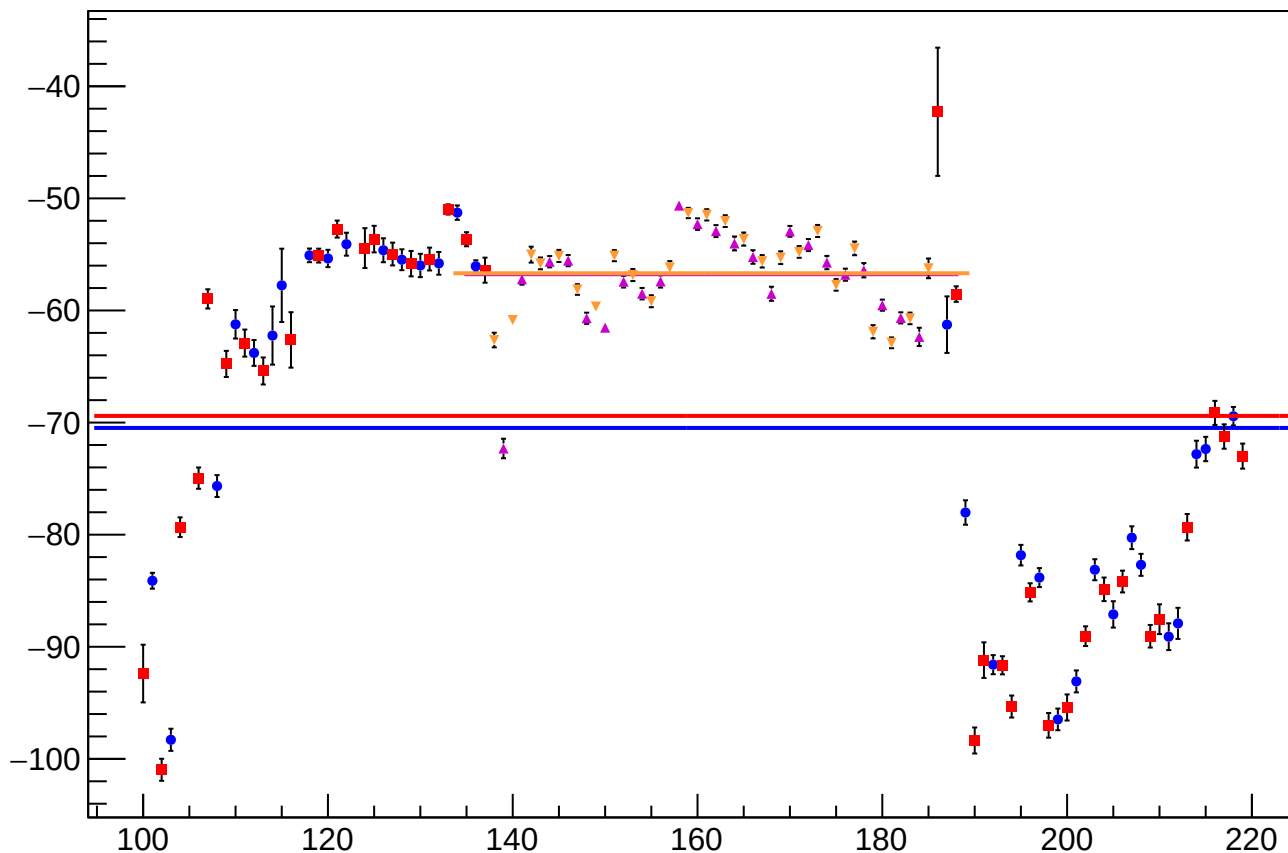
Left In: 1.247 ± 0.140 χ^2/NDF : 1512.4/22

+ sign -0.022 ± 0.097 χ^2/NDF : 2065.9/56

All: -0.206 ± 0.068 χ^2/NDF : 4108.3/116

- sign -0.384 ± 0.095 χ^2/NDF : 2035.3/59

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -70.478 ± 0.167 χ^2/NDF : 8457.3/31

Left Out: -56.680 ± 0.107 χ^2/NDF : 1014.5/24

Right Out: -69.406 ± 0.157 χ^2/NDF : 11310.5/36

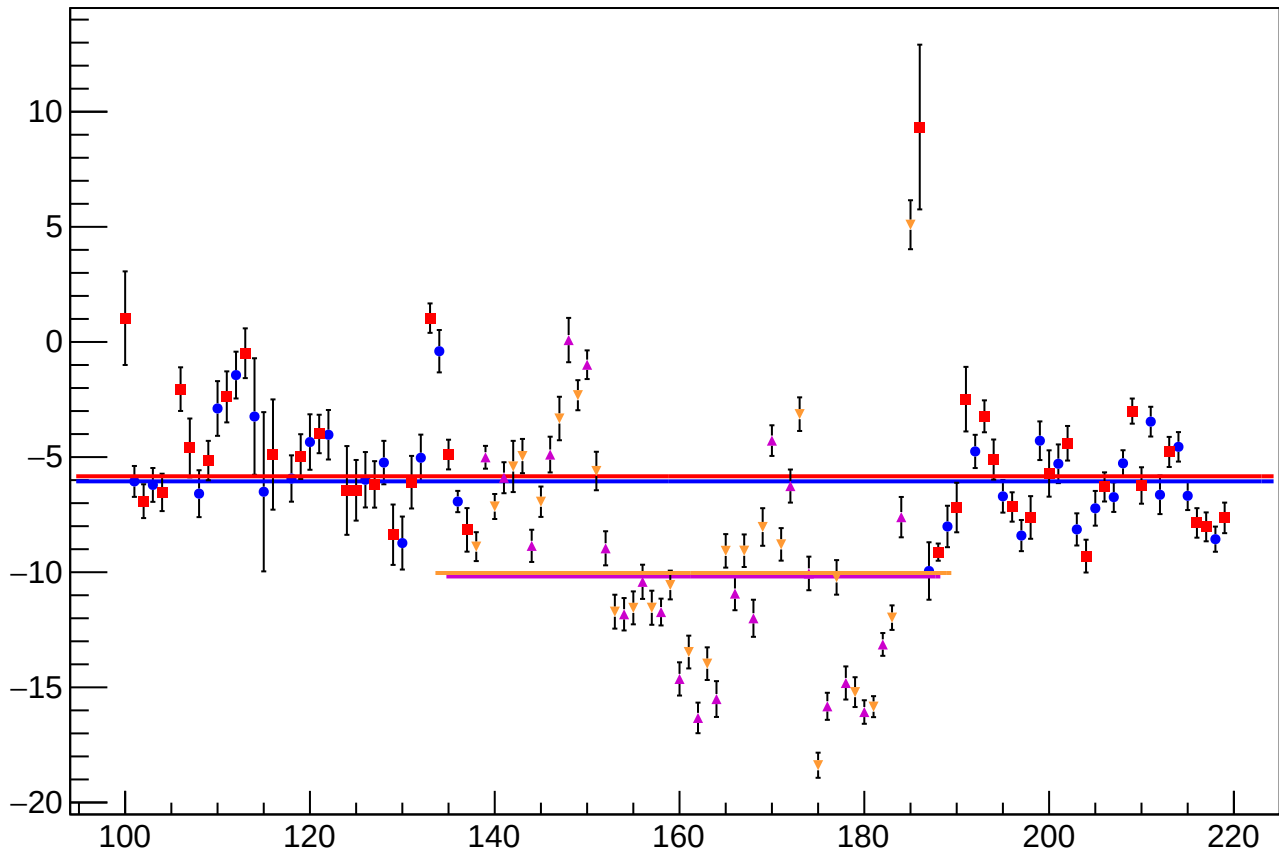
Left In: -56.765 ± 0.112 χ^2/NDF : 1108.9/22

+ sign -60.720 ± 0.090 χ^2/NDF : 14320.5/56

All: -60.864 ± 0.064 χ^2/NDF : 31028.5/116

- sign -61.013 ± 0.091 χ^2/NDF : 16702.8/59

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -6.053 ± 0.140 χ^2/NDF : 178.0/31

Left Out: -10.034 ± 0.136 χ^2/NDF : 1182.4/24

Right Out: -5.833 ± 0.132 χ^2/NDF : 413.2/36

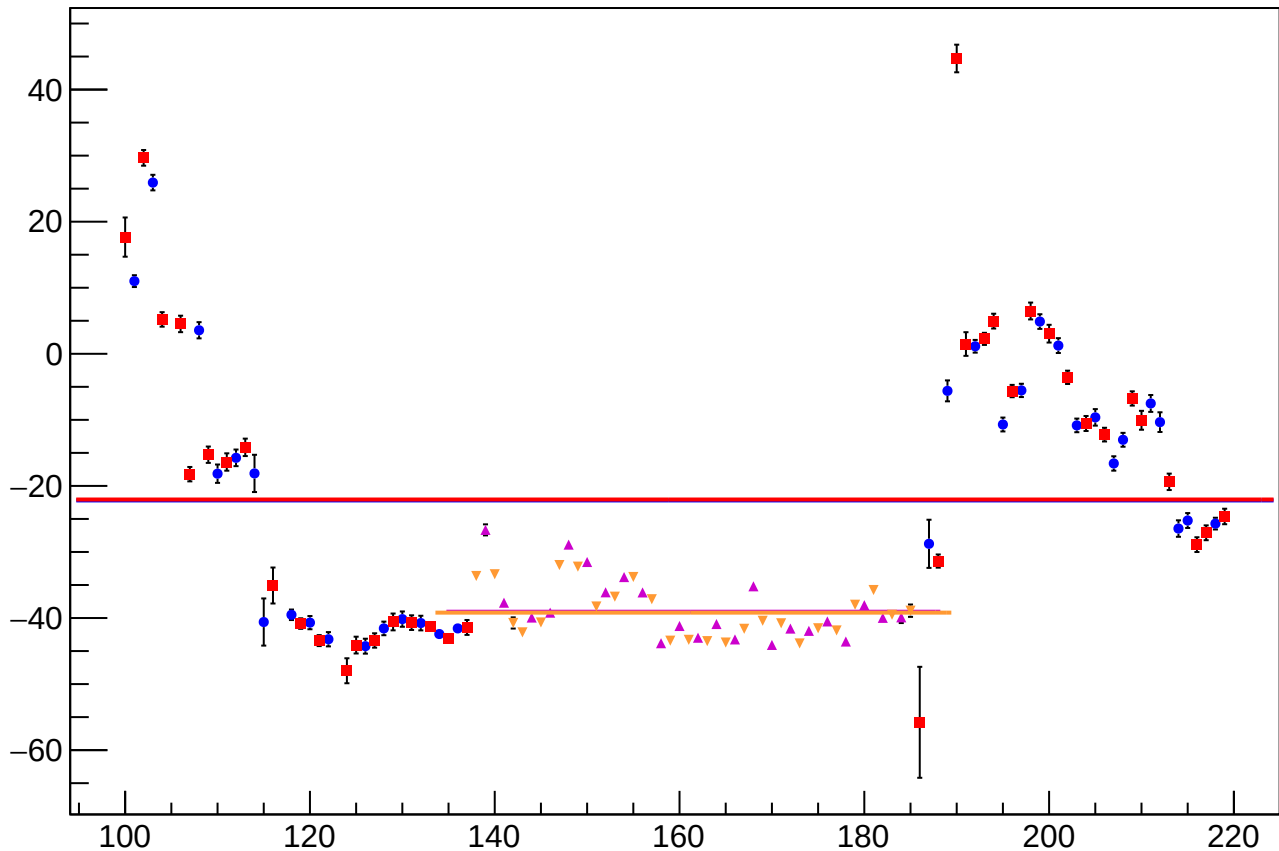
Left In: -10.184 ± 0.139 χ^2/NDF : 1142.6/22

+ sign -8.093 ± 0.097 χ^2/NDF : 1776.8/56

All: -7.989 ± 0.068 χ^2/NDF : 3850.6/116

- sign -7.890 ± 0.096 χ^2/NDF : 2071.6/59

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -22.198 ± 0.188 χ^2/NDF : 10751.6/31

Left Out: -39.183 ± 0.120 χ^2/NDF : 1034.1/24

Right Out: -22.058 ± 0.181 χ^2/NDF : 13014.3/36

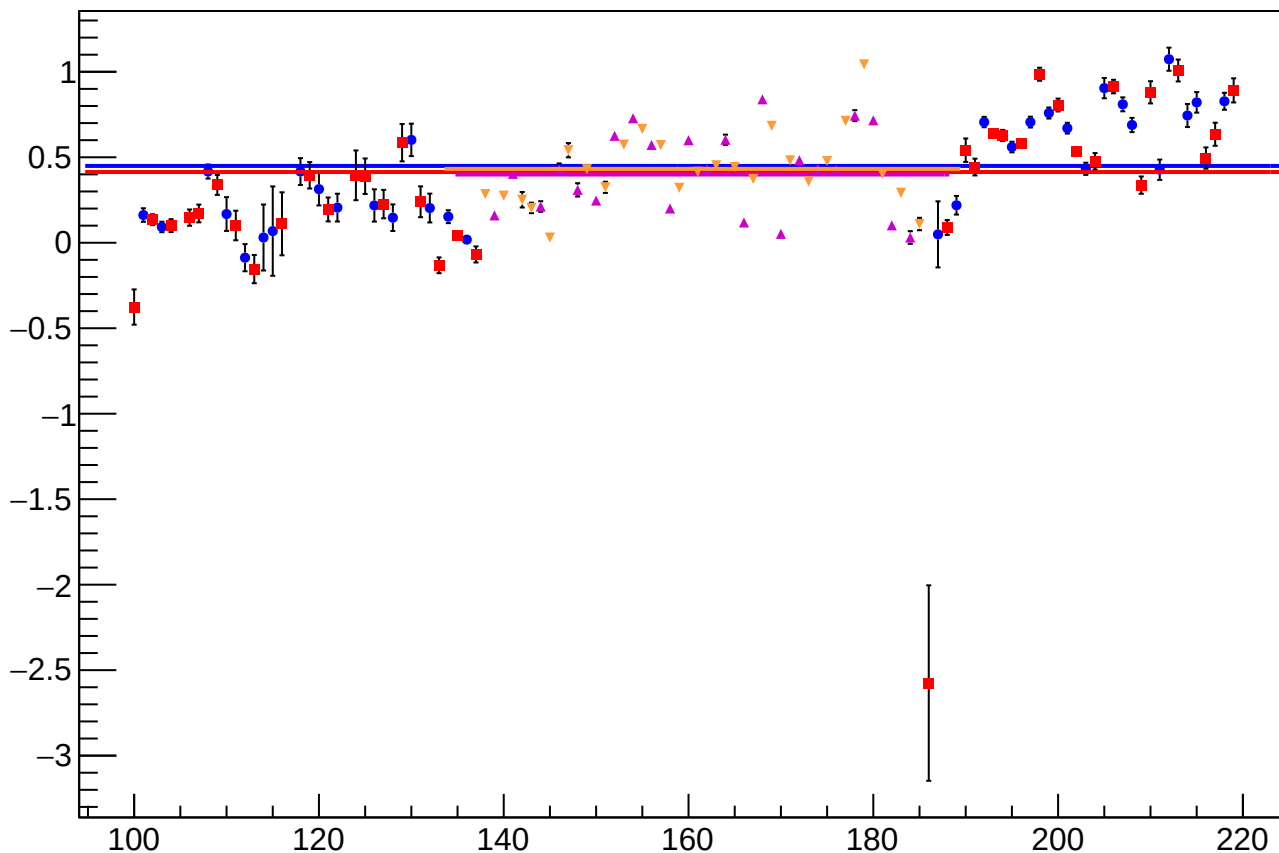
Left In: -39.044 ± 0.124 χ^2/NDF : 1226.4/22

+ sign -34.277 ± 0.101 χ^2/NDF : 17571.9/56

All: -33.942 ± 0.072 χ^2/NDF : 37825.5/116

- sign -33.600 ± 0.102 χ^2/NDF : 20231.5/59

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.449 ± 0.008 χ^2/NDF : 1438.8/31

Left Out: 0.432 ± 0.005 χ^2/NDF : 1368.7/24

Right Out: 0.414 ± 0.008 χ^2/NDF : 1744.2/36

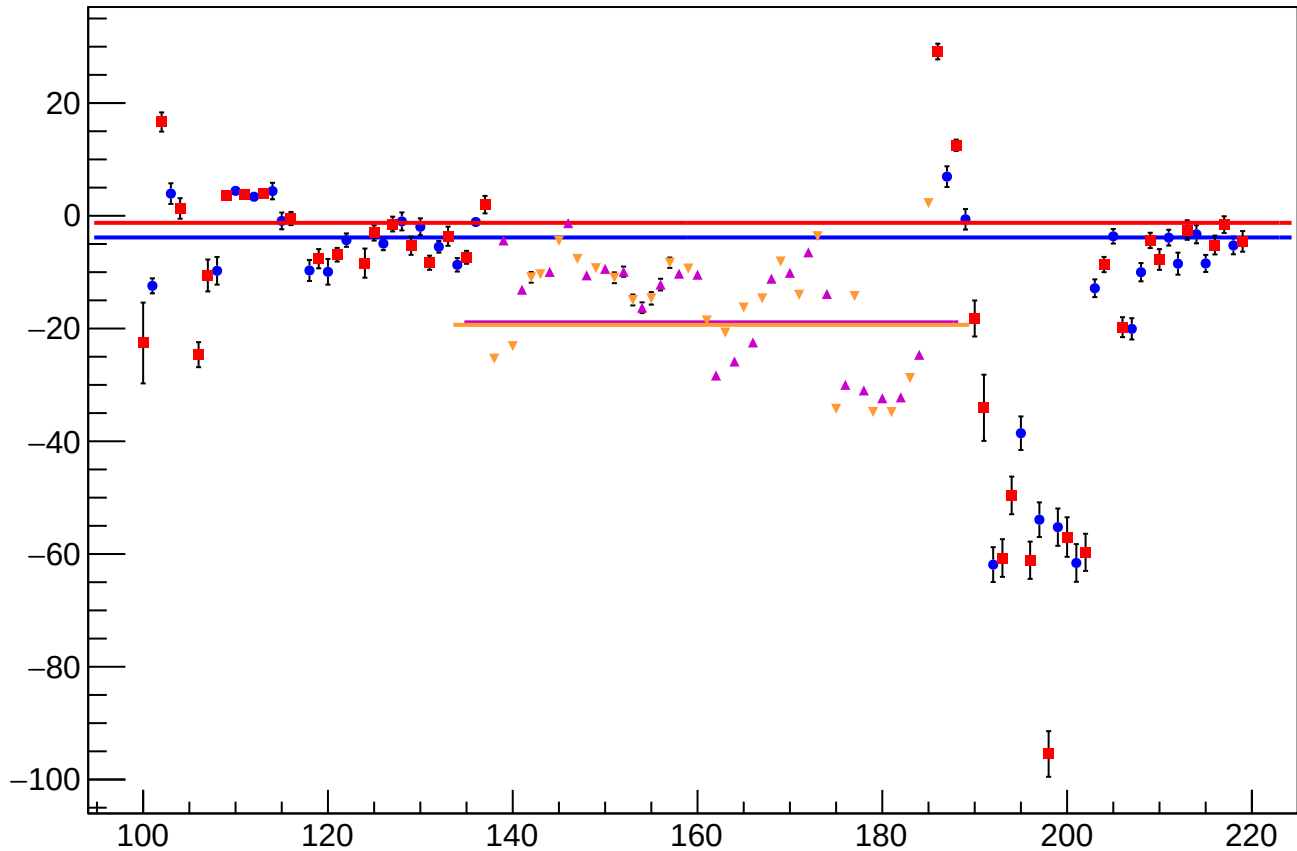
Left In: 0.399 ± 0.005 χ^2/NDF : 1923.8/22

+ sign 0.438 ± 0.004 χ^2/NDF : 2810.7/56

All: 0.421 ± 0.003 χ^2/NDF : 6510.4/116

- sign 0.404 ± 0.004 χ^2/NDF : 3670.4/59

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.845 ± 0.239 $\chi^2/\text{NDF}: 1895.0/31$

Left Out: -19.347 ± 0.113 $\chi^2/\text{NDF}: 10394.7/24$

Right Out: -1.249 ± 0.227 $\chi^2/\text{NDF}: 3403.5/36$

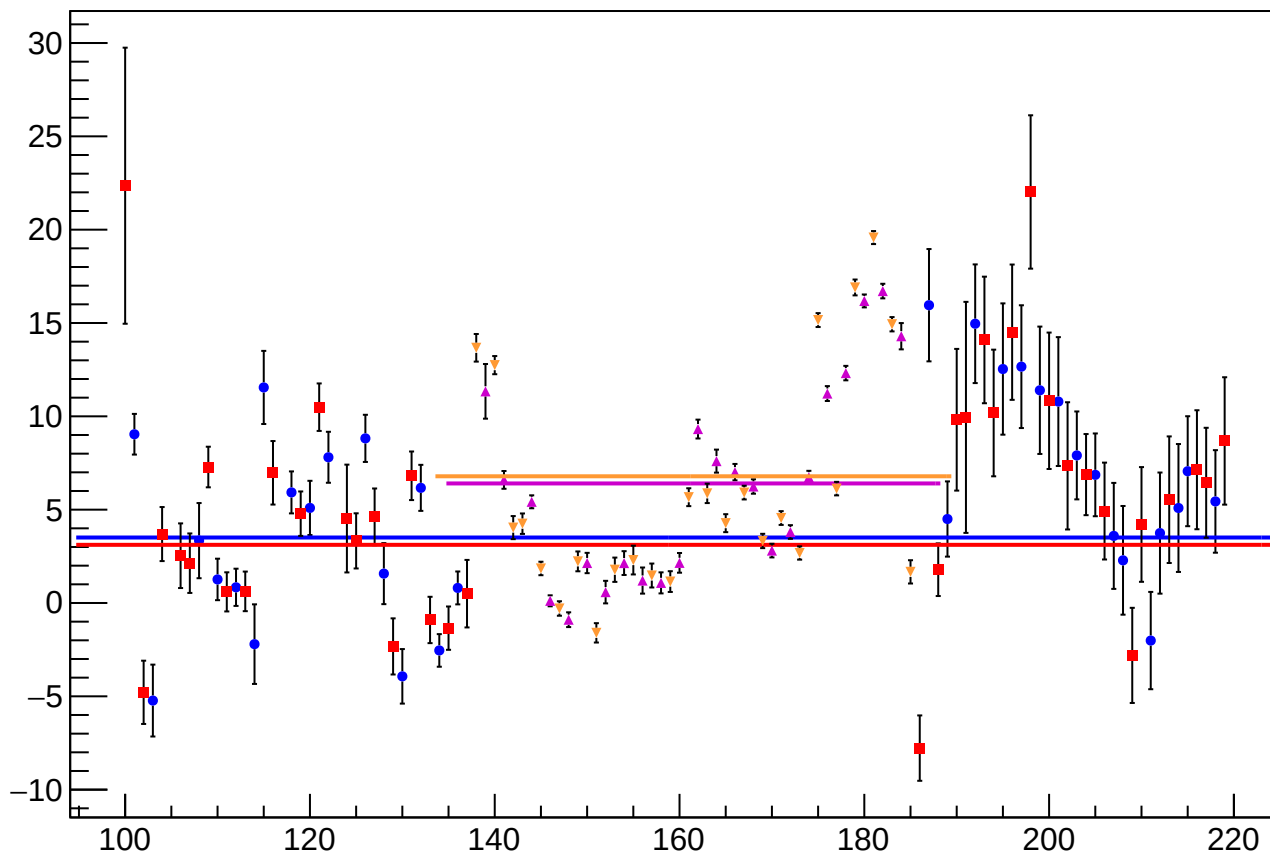
Left In: -18.902 ± 0.116 $\chi^2/\text{NDF}: 8286.2/22$

+ sign -16.506 ± 0.102 $\chi^2/\text{NDF}: 15717.1/56$

All: -15.879 ± 0.073 $\chi^2/\text{NDF}: 32274.7/116$

- sign -15.240 ± 0.103 $\chi^2/\text{NDF}: 16482.0/59$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.508 ± 0.287 χ^2/NDF : 271.4/31

Left Out: 6.788 ± 0.090 χ^2/NDF : 4632.5/24

Right Out: 3.116 ± 0.288 χ^2/NDF : 256.5/36

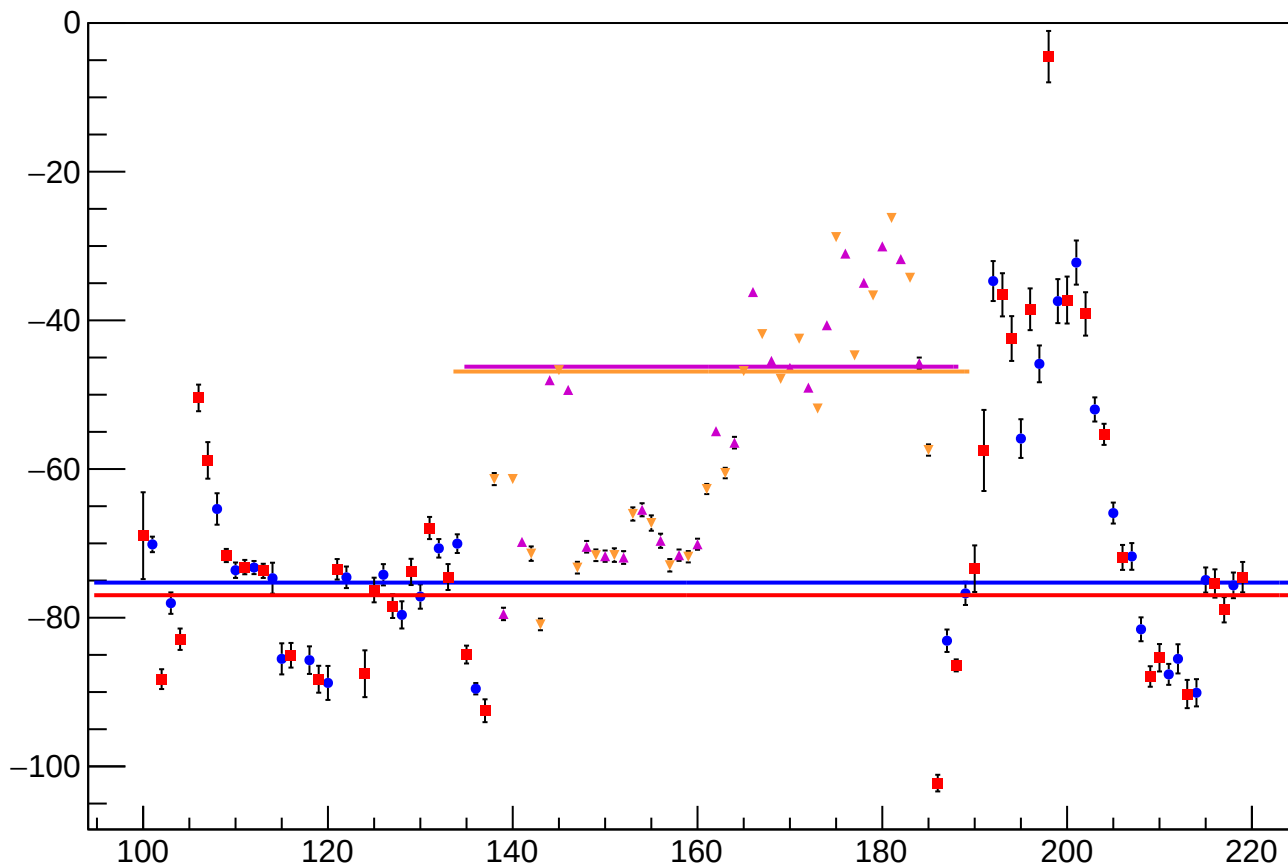
Left In: 6.404 ± 0.091 χ^2/NDF : 3410.4/22

+ sign 6.493 ± 0.086 χ^2/NDF : 5023.2/56

All: 6.301 ± 0.061 χ^2/NDF : 8818.4/116

- sign 6.105 ± 0.087 χ^2/NDF : 3785.2/59

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -75.277 ± 0.265 χ^2/NDF : 1799.6/31

Left Out: -46.883 ± 0.114 χ^2/NDF : 17974.5/24

Right Out: -76.972 ± 0.257 χ^2/NDF : 3014.1/36

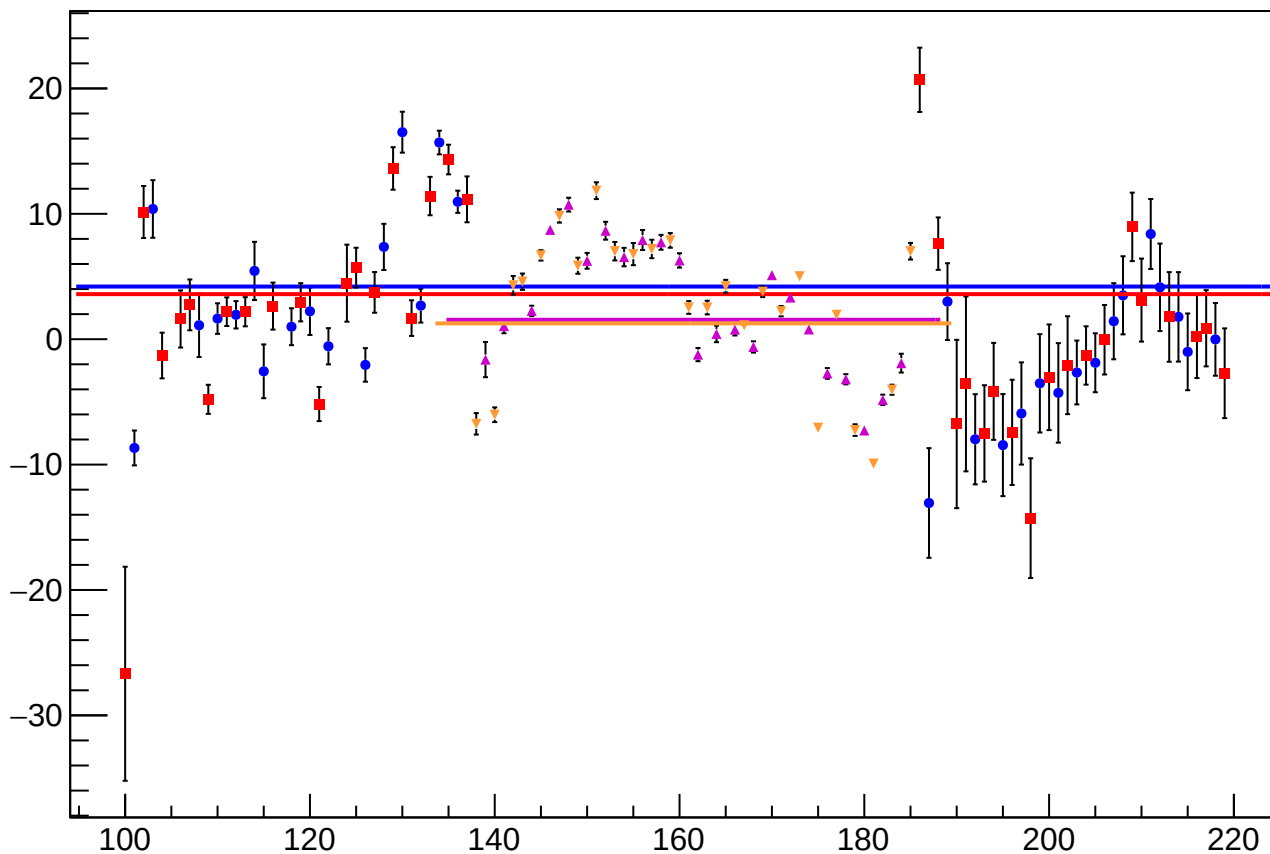
Left In: -46.231 ± 0.116 χ^2/NDF : 15169.3/22

+ sign -51.312 ± 0.105 χ^2/NDF : 29468.7/56

All: -51.390 ± 0.074 χ^2/NDF : 59566.8/116

- sign -51.470 ± 0.106 χ^2/NDF : 30097.1/59

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.199 ± 0.321 $\chi^2/\text{NDF}: 493.4/31$

Left Out: 1.261 ± 0.100 $\chi^2/\text{NDF}: 3445.7/24$

Right Out: 3.595 ± 0.327 $\chi^2/\text{NDF}: 396.7/36$

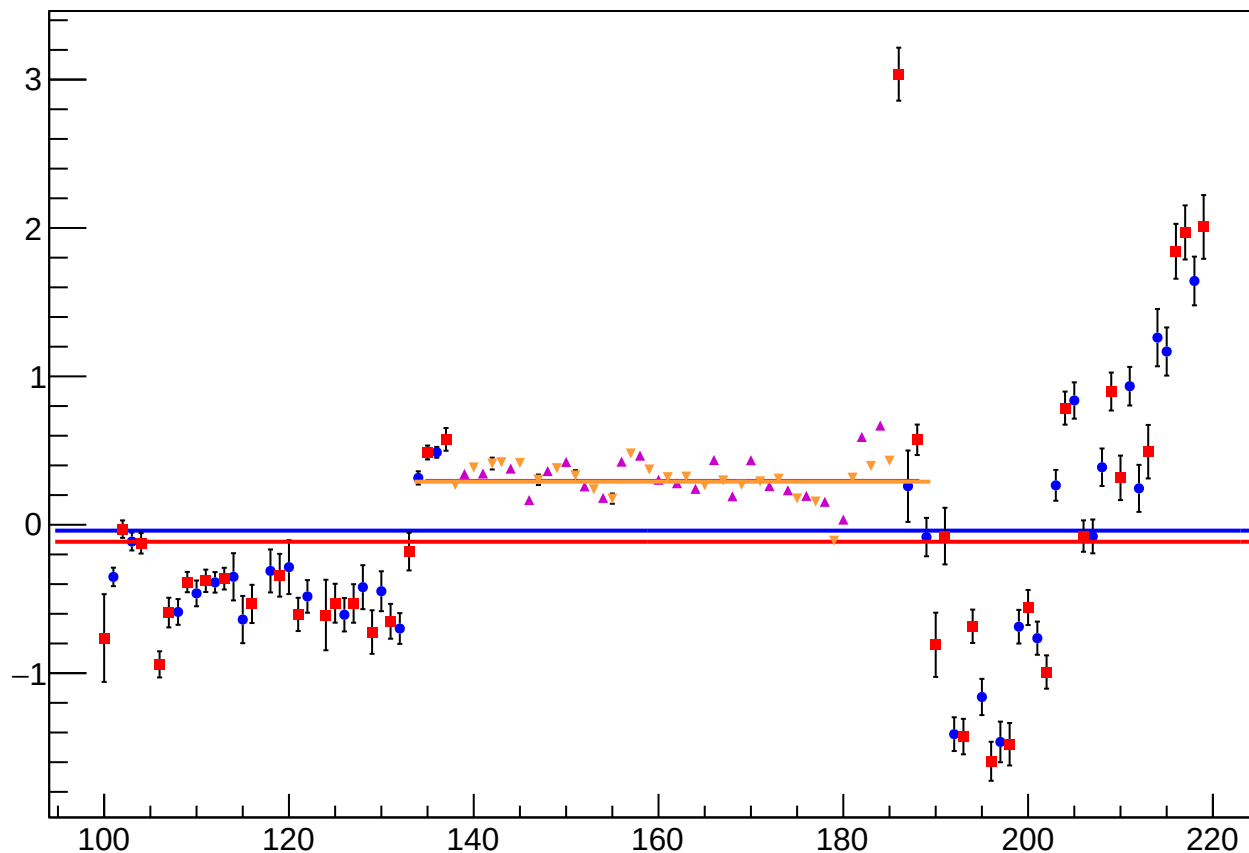
Left In: 1.551 ± 0.102 $\chi^2/\text{NDF}: 2335.7/22$

+ sign 1.524 ± 0.096 $\chi^2/\text{NDF}: 4015.5/56$

All: 1.626 ± 0.068 $\chi^2/\text{NDF}: 6785.8/116$

- sign 1.732 ± 0.097 $\chi^2/\text{NDF}: 2767.9/59$

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.040 ± 0.016 χ^2/NDF : 1263.6/31

Left Out: 0.290 ± 0.004 χ^2/NDF : 719.3/24

Right Out: -0.114 ± 0.017 χ^2/NDF : 1792.7/36

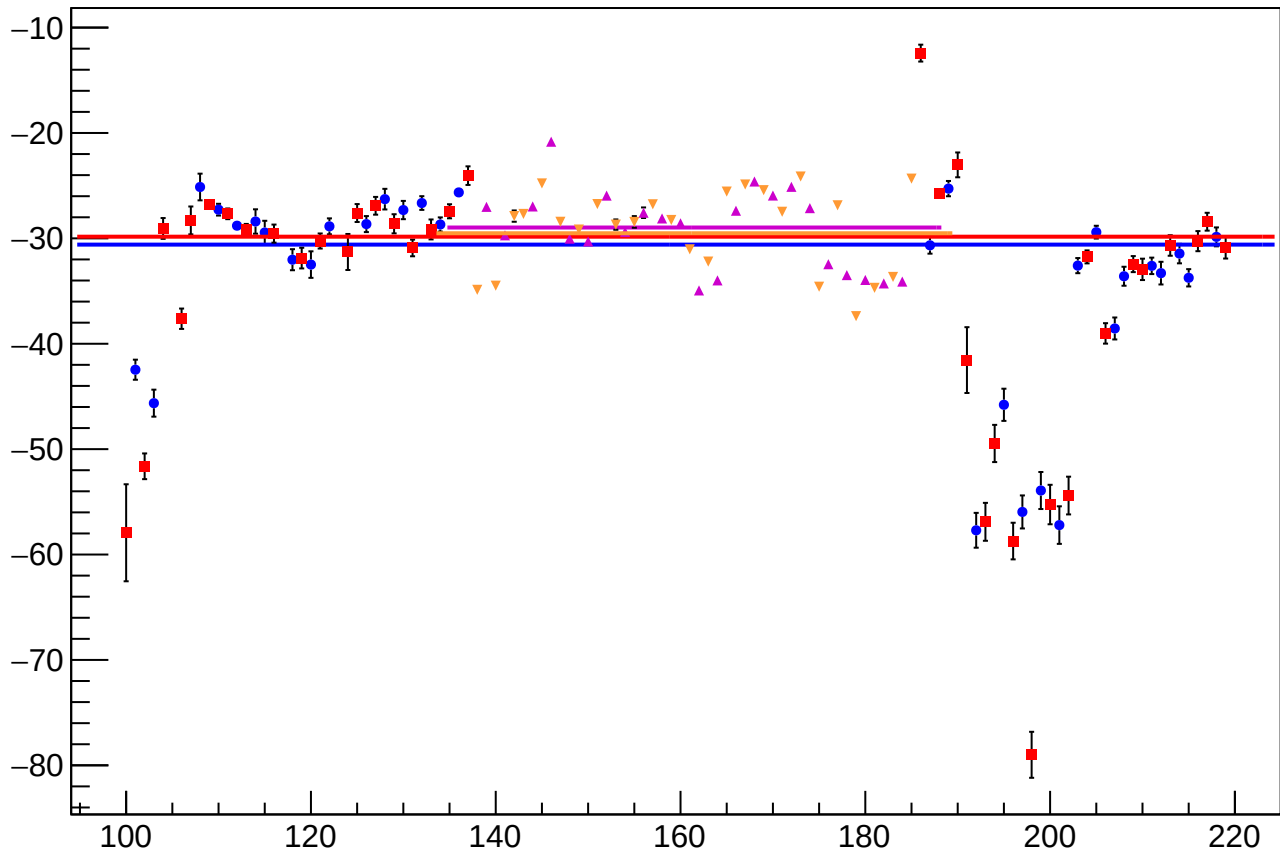
Left In: 0.295 ± 0.005 χ^2/NDF : 1035.4/22

+ sign 0.267 ± 0.004 χ^2/NDF : 2359.5/56

All: 0.268 ± 0.003 χ^2/NDF : 5723.4/116

- sign 0.268 ± 0.004 χ^2/NDF : 3363.9/59

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.593 ± 0.145 χ^2/NDF : 1784.6/31

Left Out: -29.516 ± 0.056 χ^2/NDF : 6088.5/24

Right Out: -29.841 ± 0.140 χ^2/NDF : 2809.8/36

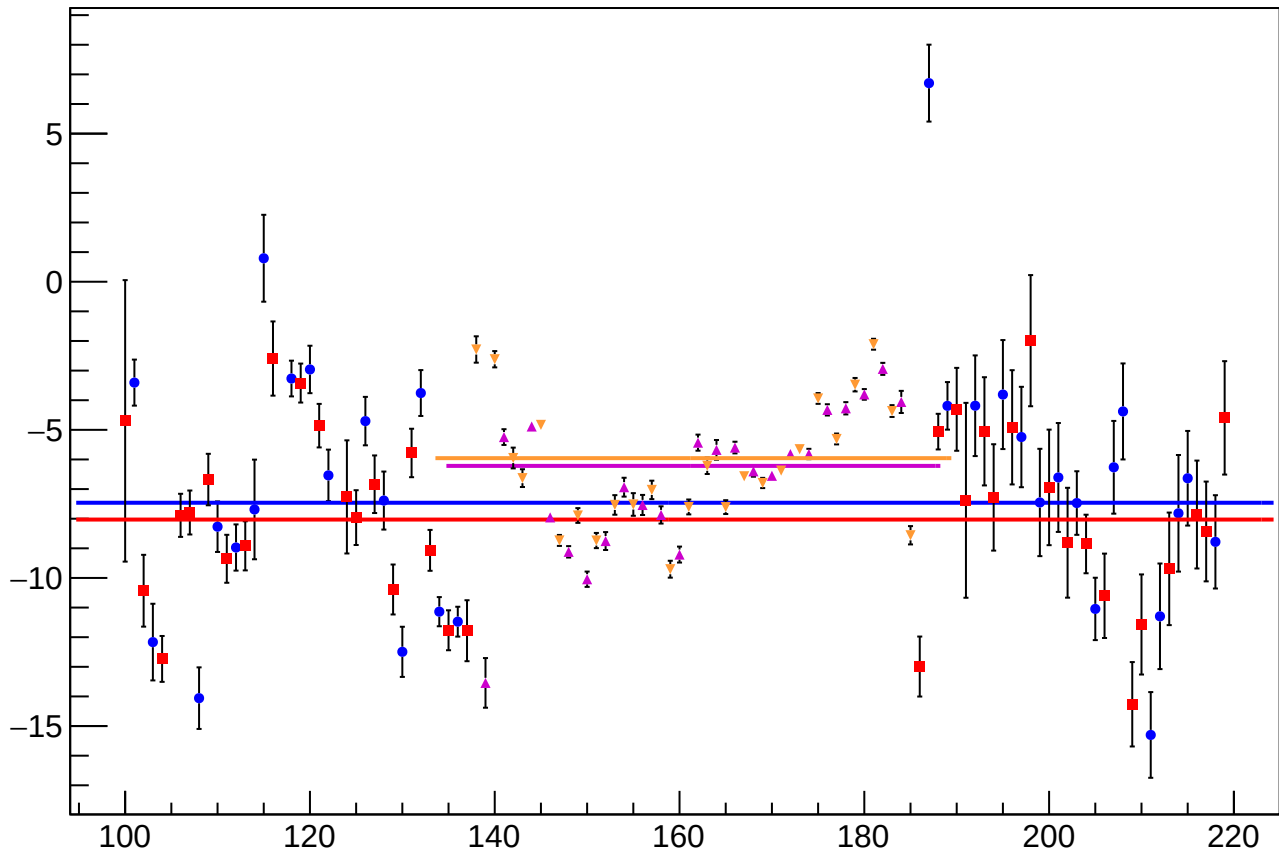
Left In: -28.971 ± 0.057 χ^2/NDF : 5348.6/22

+ sign -29.657 ± 0.053 χ^2/NDF : 7920.9/56

All: -29.377 ± 0.037 χ^2/NDF : 16169.5/116

- sign -29.094 ± 0.053 χ^2/NDF : 8191.4/59

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.461 $\pm$ 0.170 χ^2 /NDF: 582.9/31

Left Out: -5.956 $\pm$ 0.044 χ^2 /NDF:1857.8/24

Right Out: -8.029 $\pm$ 0.168 χ^2 /NDF: 298.0/36

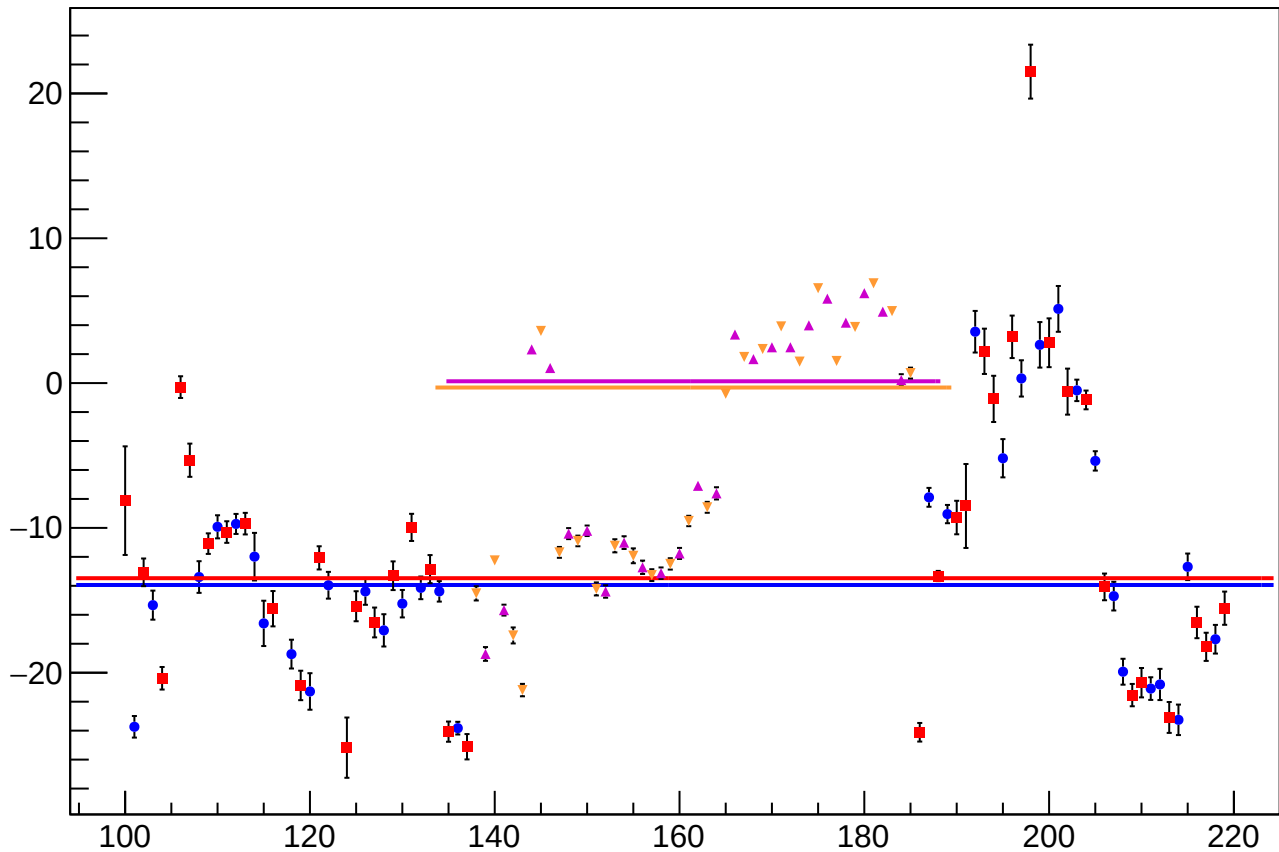
Left In: -6.217 $\pm$ 0.044 χ^2 /NDF:1741.8/22

+ sign -6.052 $\pm$ 0.043 χ^2 /NDF: 2513.9/56

All: -6.194 $\pm$ 0.030 χ^2 /NDF: 4683.9/116

- sign -6.334 $\pm$ 0.043 χ^2 /NDF: 2148.4/59

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.942 ± 0.154 χ^2/NDF : 2301.8/31

Left Out: -0.306 ± 0.057 χ^2/NDF : 17181.6/24

Right Out: -13.473 ± 0.147 χ^2/NDF : 2751.9/36

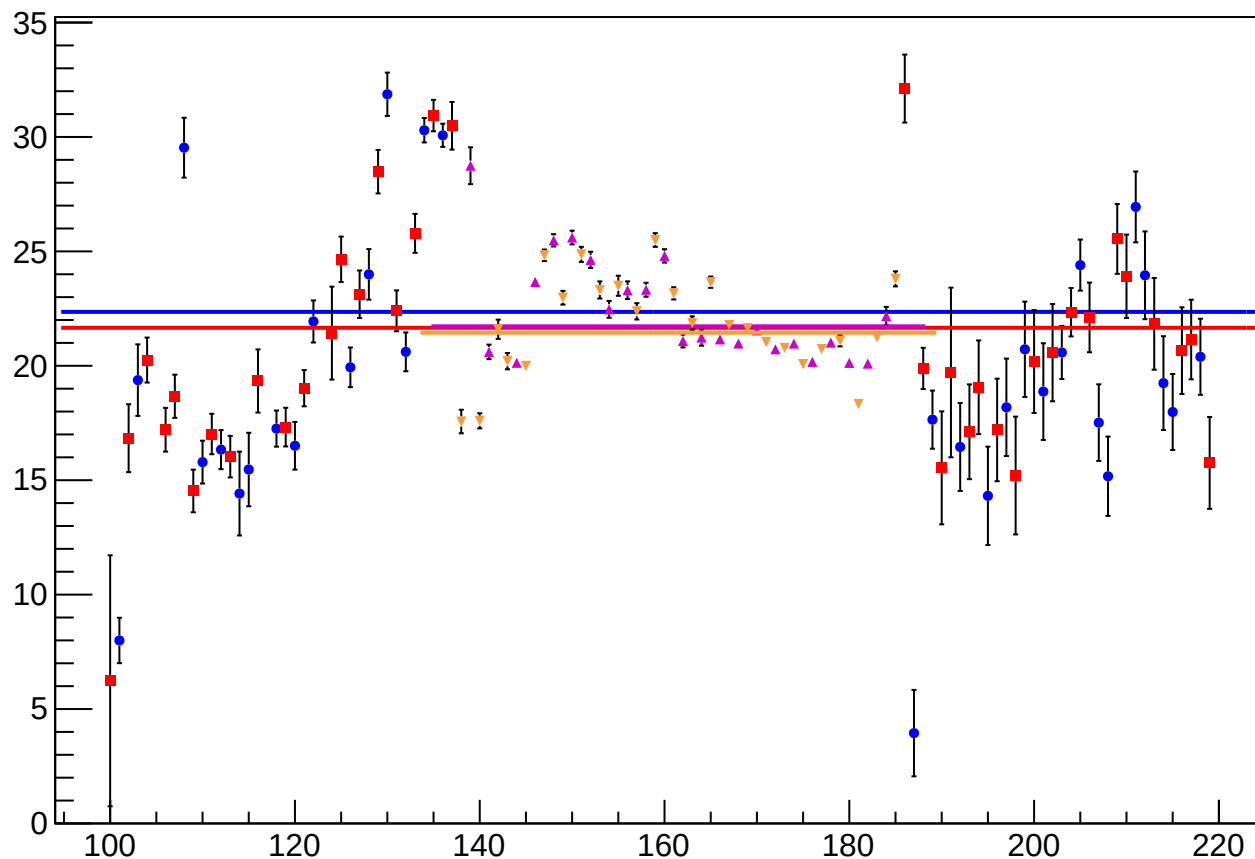
Left In: 0.125 ± 0.057 χ^2/NDF : 13838.6/22

+ sign -1.925 ± 0.053 χ^2/NDF : 26384.5/56

All: -1.788 ± 0.038 χ^2/NDF : 50418.1/116

- sign -1.650 ± 0.053 χ^2/NDF : 24020.2/59

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.356 $\pm$ 0.193 χ^2 /NDF: 1214.3/31

Left Out: 21.447 $\pm$ 0.050 χ^2 /NDF:1325.2/24

Right Out: 21.661 $\pm$ 0.195 χ^2 /NDF: 653.1/36

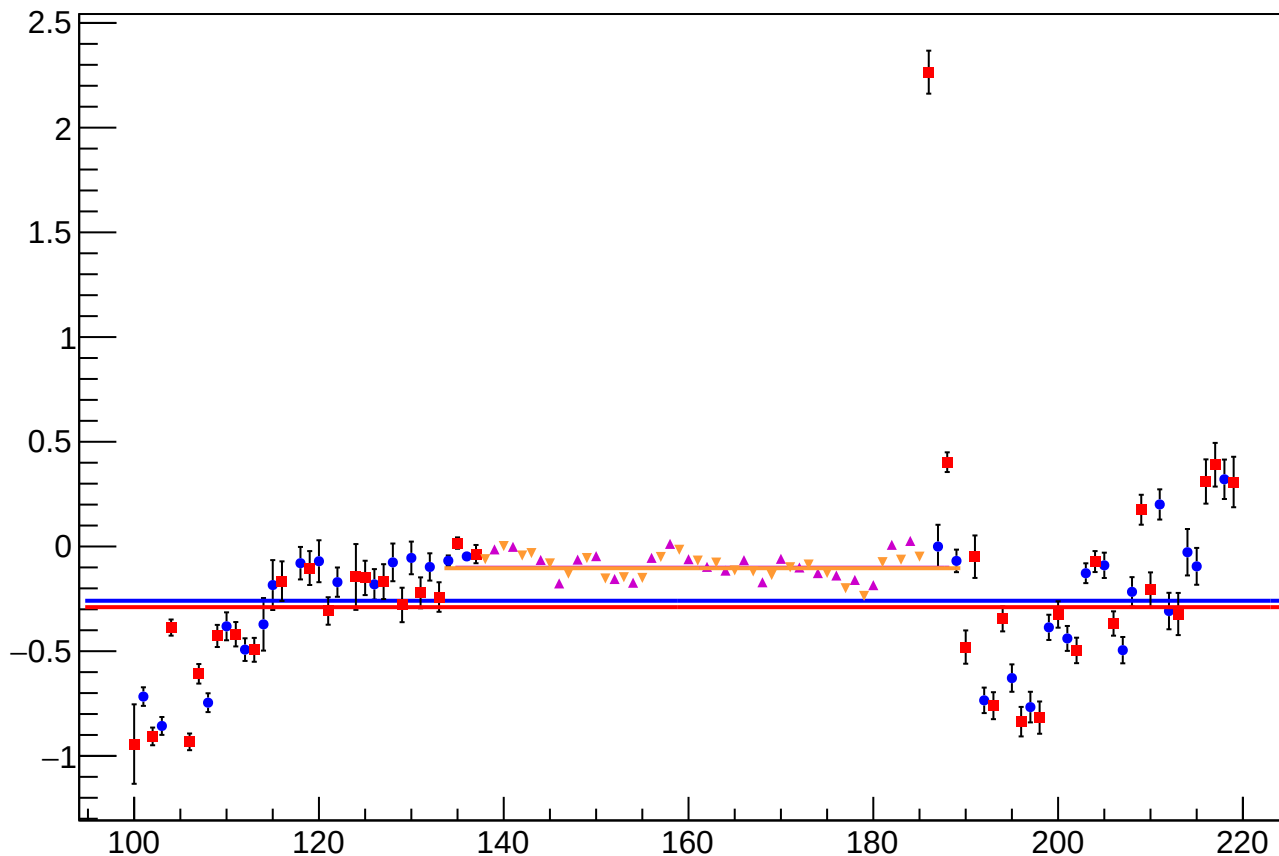
Left In: 21.725 $\pm$ 0.050 χ^2 /NDF:1173.7/22

+ sign 21.503 $\pm$ 0.048 χ^2 /NDF: 2560.4/56

All: 21.612 $\pm$ 0.034 χ^2 /NDF: 4397.7/116

- sign 21.721 $\pm$ 0.048 χ^2 /NDF: 1826.9/59

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.259 ± 0.010 χ^2/NDF : 924.3/31

Left Out: -0.104 ± 0.002 χ^2/NDF : 547.4/24

Right Out: -0.290 ± 0.010 χ^2/NDF : 1923.0/36

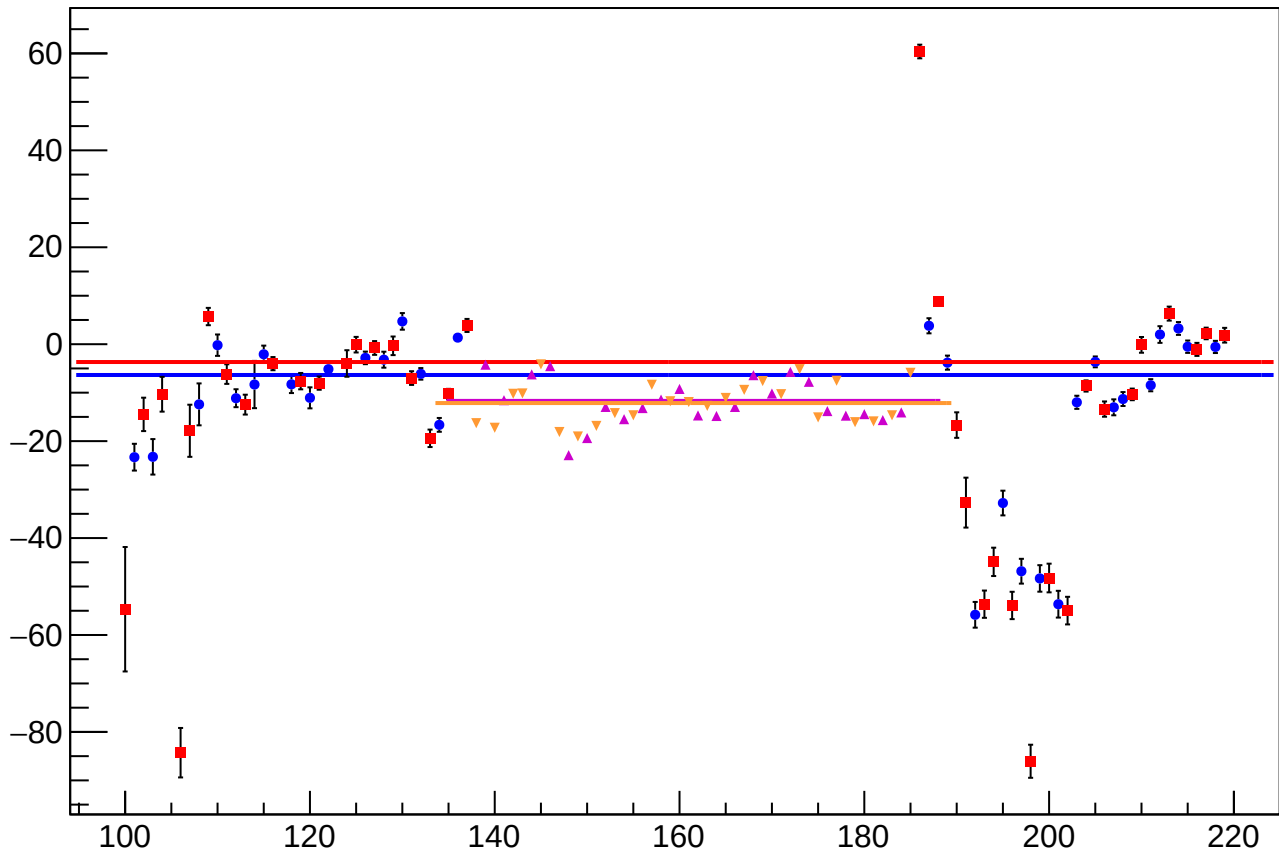
Left In: -0.101 ± 0.002 χ^2/NDF : 757.6/22

+ sign -0.112 ± 0.002 χ^2/NDF : 1721.0/56

All: -0.111 ± 0.002 χ^2/NDF : 4745.2/116

- sign -0.110 ± 0.002 χ^2/NDF : 3024.1/59

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -6.352 ± 0.273 $\chi^2/\text{NDF}: 1774.1/31$

Left Out: -12.143 ± 0.092 $\chi^2/\text{NDF}: 2130.5/24$

Right Out: -3.676 ± 0.275 $\chi^2/\text{NDF}: 5008.6/36$

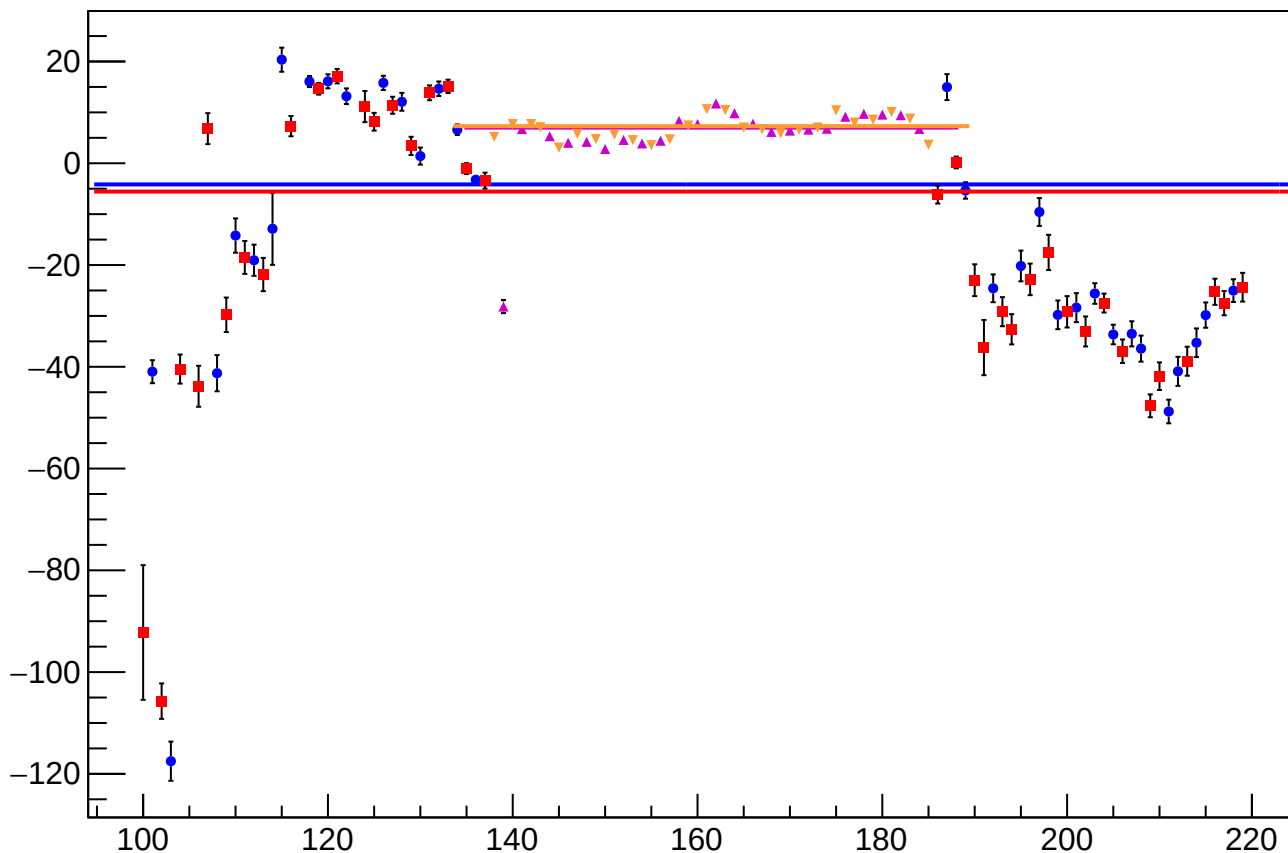
Left In: -11.698 ± 0.094 $\chi^2/\text{NDF}: 1951.0/22$

+ sign -11.557 ± 0.087 $\chi^2/\text{NDF}: 4310.0/56$

All: -11.214 ± 0.062 $\chi^2/\text{NDF}: 12065.5/116$

- sign -10.852 ± 0.089 $\chi^2/\text{NDF}: 7723.4/59$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -4.157 ± 0.324 χ^2/NDF : 4450.4/31

Left Out: 7.297 ± 0.075 χ^2/NDF : 822.9/24

Right Out: -5.560 ± 0.336 χ^2/NDF : 4096.5/36

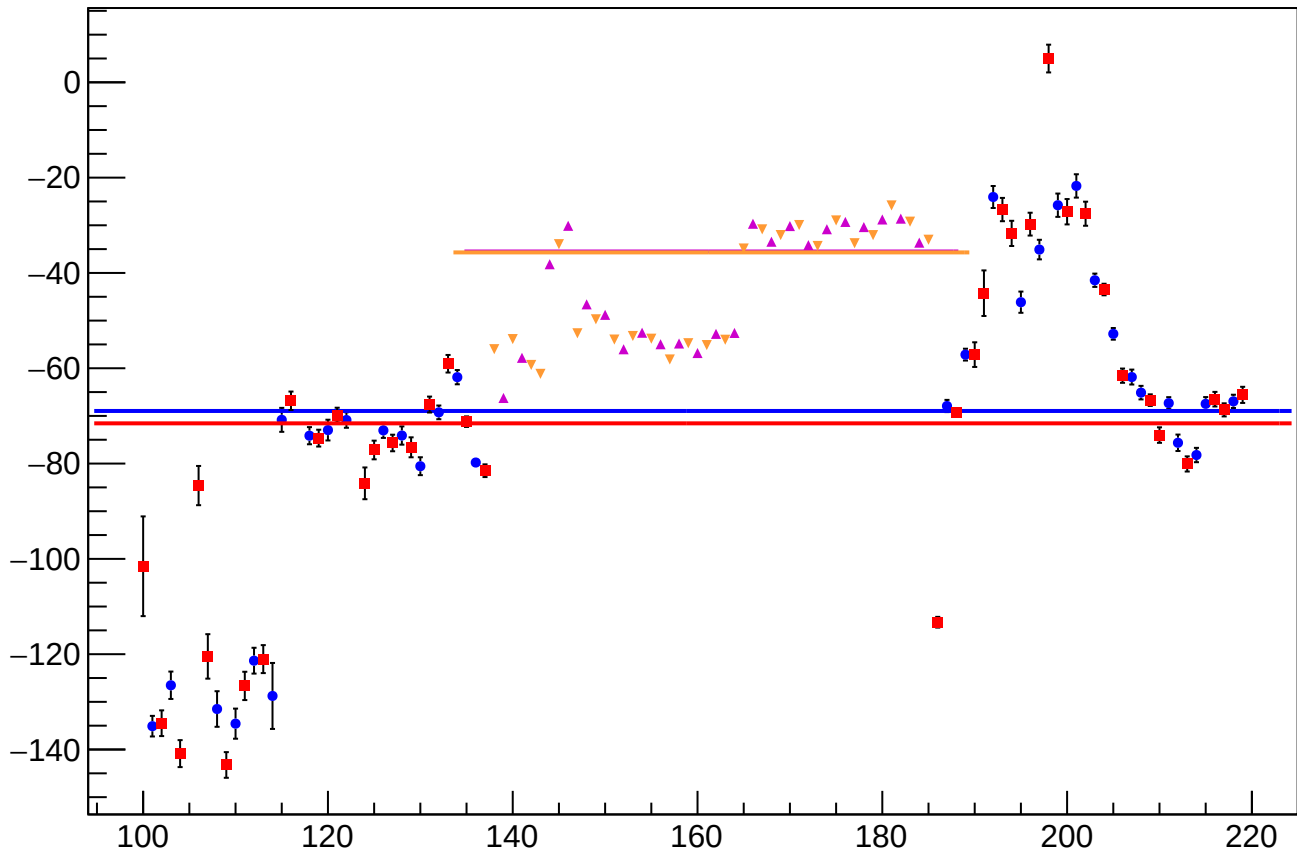
Left In: 7.004 ± 0.076 χ^2/NDF : 1576.0/22

+ sign 6.715 ± 0.073 χ^2/NDF : 6460.8/56

All: 6.557 ± 0.052 χ^2/NDF : 13471.2/116

- sign 6.393 ± 0.074 χ^2/NDF : 7000.9/59

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -68.963 ± 0.283 χ^2/NDF : 5013.0/31

Left Out: -35.690 ± 0.092 χ^2/NDF : 12778.3/24

Right Out: -71.560 ± 0.280 χ^2/NDF : 7006.6/36

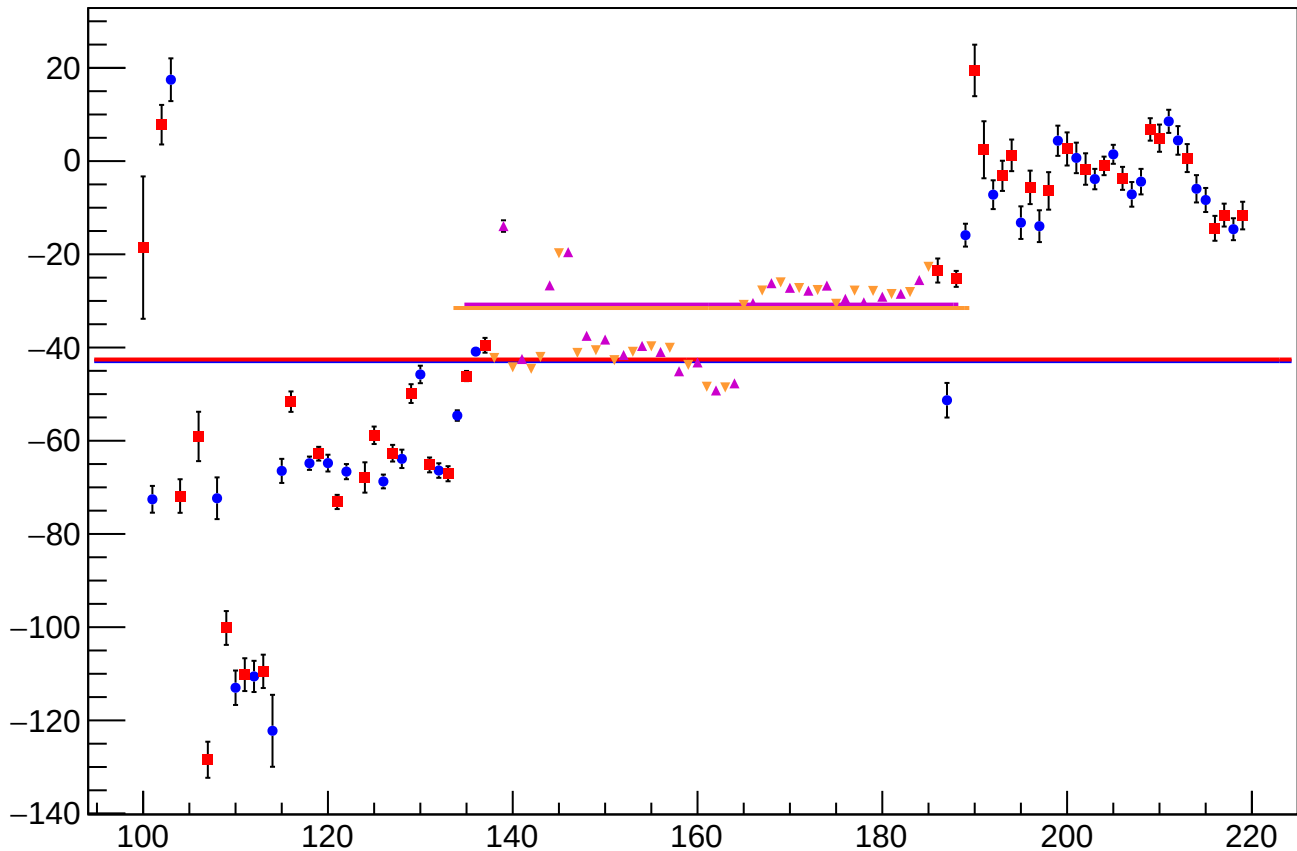
Left In: -35.497 ± 0.095 χ^2/NDF : 11162.0/22

+ sign -38.883 ± 0.088 χ^2/NDF : 30279.9/56

All: -39.032 ± 0.063 χ^2/NDF : 63331.3/116

- sign -39.188 ± 0.090 χ^2/NDF : 33045.5/59

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -42.918+/-0.361 χ^2/NDF : 5754.0/31

Left Out: -31.520+/-0.083 χ^2/NDF : 8457.7/24

Right Out: -42.570+/-0.383 χ^2/NDF : 6110.9/36

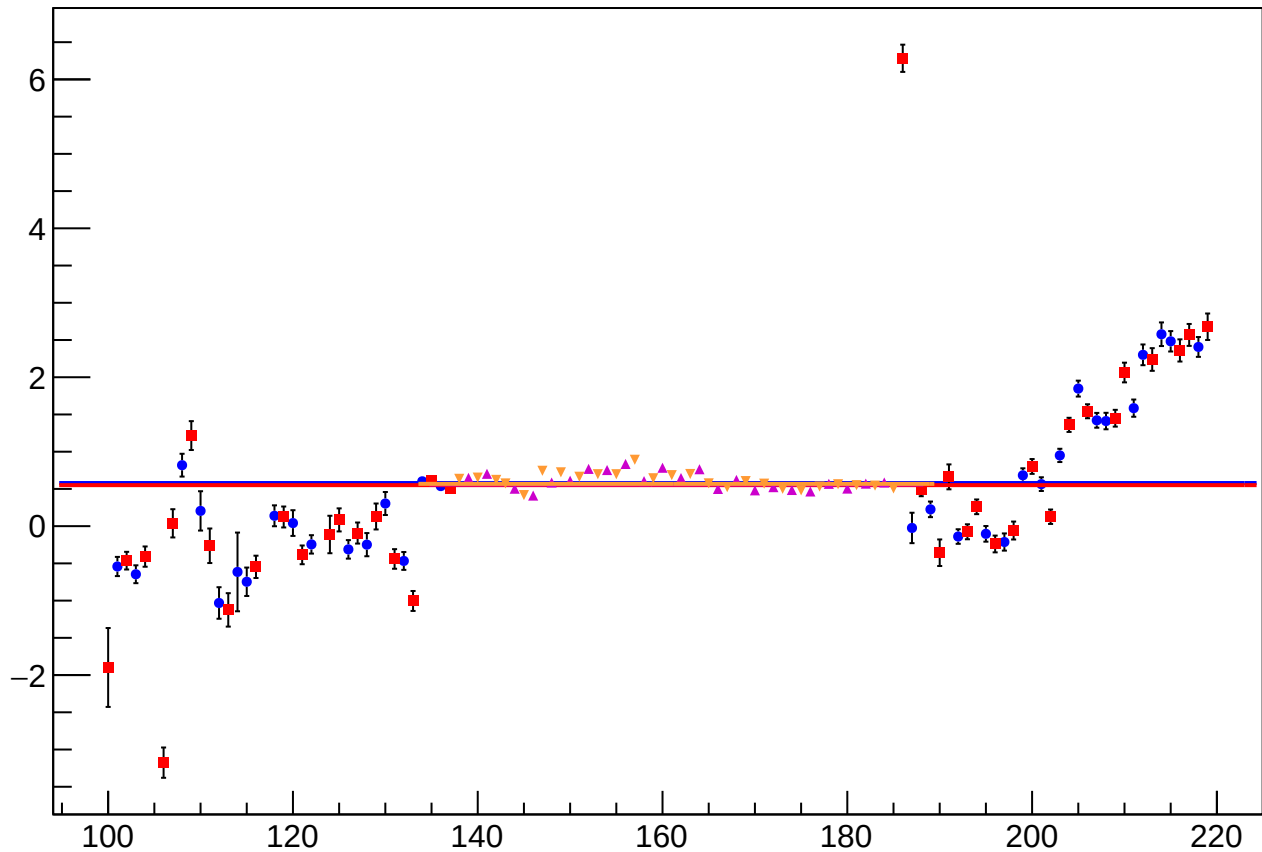
Left In: -30.789+/-0.084 χ^2/NDF : 7548.8/22

+ sign -32.088+/-0.081 χ^2/NDF : 15157.1/56

All: -31.718+/-0.058 χ^2/NDF : 29760.5/116

- sign -31.332+/-0.082 χ^2/NDF : 14560.4/59

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.579 $\pm$ 0.018 χ^2 /NDF: 1740.1/31

Left Out: 0.568 $\pm$ 0.004 χ^2 /NDF:554.5/24

Right Out: 0.551 $\pm$ 0.019 χ^2 /NDF: 3059.5/36

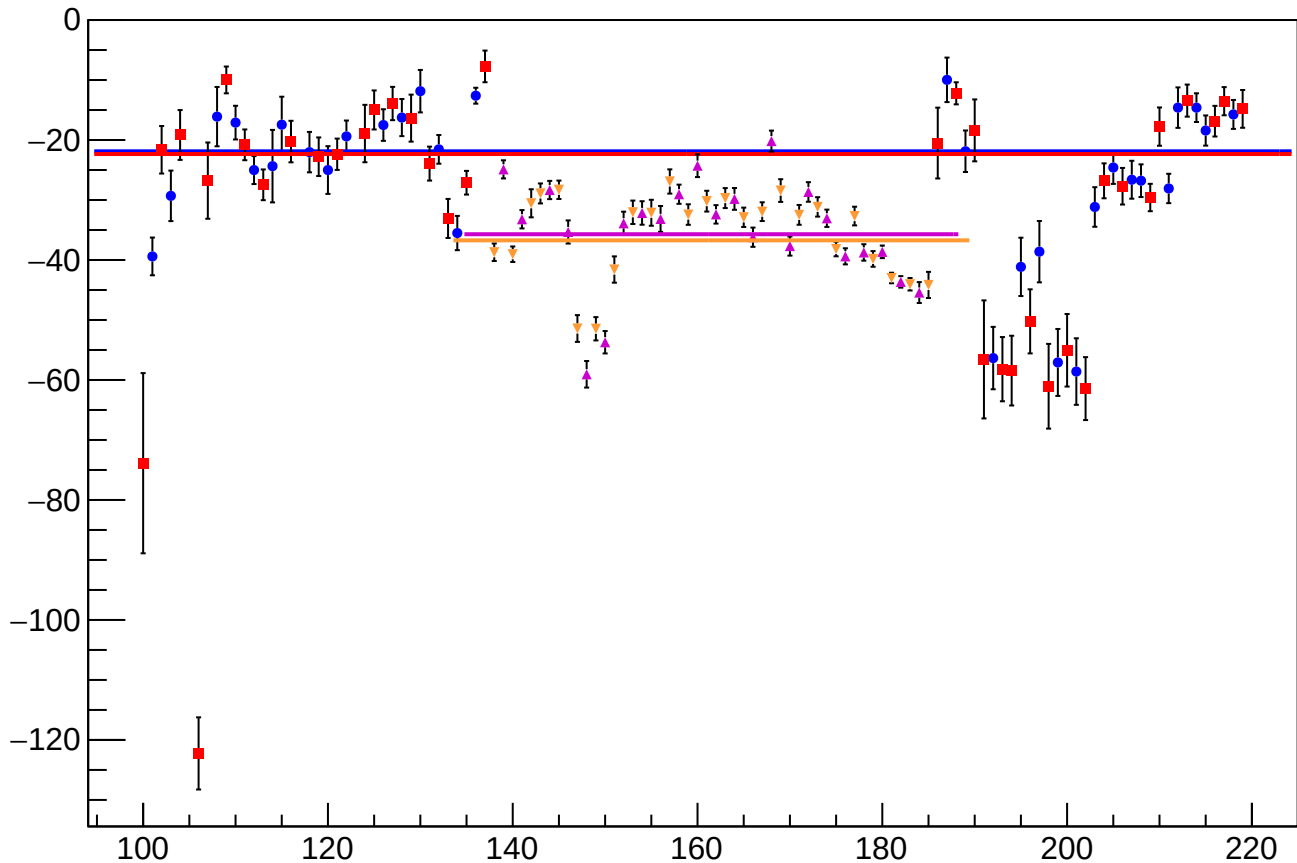
Left In: 0.560 $\pm$ 0.004 χ^2 /NDF:671.5/22

+ sign 0.569 $\pm$ 0.004 χ^2 /NDF: 2295.0/56

All: 0.564 $\pm$ 0.003 χ^2 /NDF: 6029.3/116

- sign 0.560 $\pm$ 0.004 χ^2 /NDF: 3731.2/59

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -21.888 ± 0.525 χ^2/NDF : 335.7/31

Left Out: -36.724 ± 0.310 χ^2/NDF : 420.8/24

Right Out: -22.338 ± 0.526 χ^2/NDF : 710.8/36

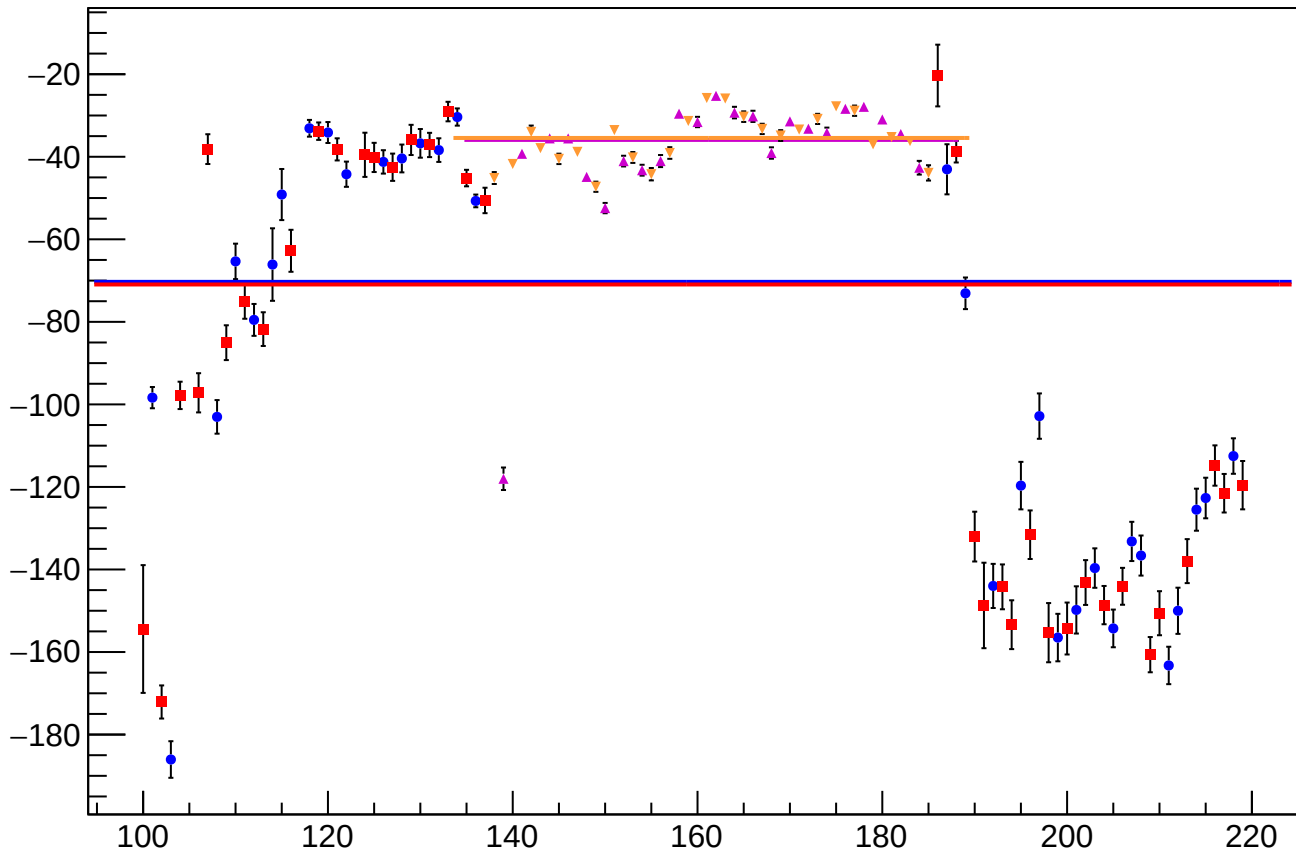
Left In: -35.706 ± 0.323 χ^2/NDF : 578.6/22

+ sign -32.883 ± 0.267 χ^2/NDF : 1348.7/56

All: -32.477 ± 0.192 χ^2/NDF : 3111.3/116

- sign -32.046 ± 0.275 χ^2/NDF : 1757.9/59

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -70.311 ± 0.615 $\chi^2/\text{NDF}: 5022.6/31$

Left Out: -35.442 ± 0.245 $\chi^2/\text{NDF}: 537.8/24$

Right Out: -70.944 ± 0.633 $\chi^2/\text{NDF}: 5220.6/36$

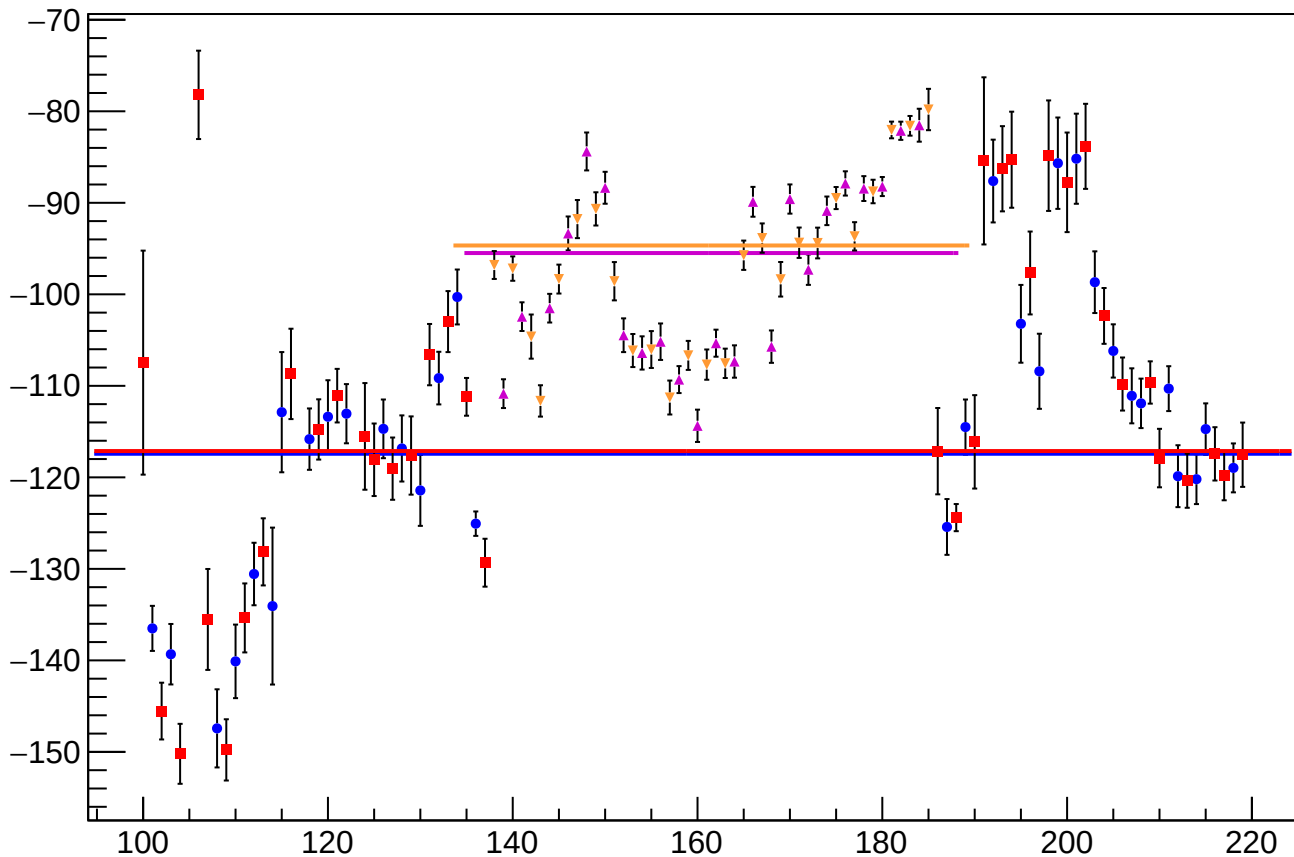
Left In: -35.913 ± 0.256 $\chi^2/\text{NDF}: 1543.1/22$

+ sign -40.210 ± 0.228 $\chi^2/\text{NDF}: 8333.0/56$

All: -40.512 ± 0.164 $\chi^2/\text{NDF}: 17731.5/116$

- sign -40.840 ± 0.237 $\chi^2/\text{NDF}: 9394.8/59$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -117.420 ± 0.546 χ^2/NDF : 499.1/31

Left Out: -94.663 ± 0.310 χ^2/NDF : 900.1/24

Right Out: -117.127 ± 0.550 χ^2/NDF : 743.3/36

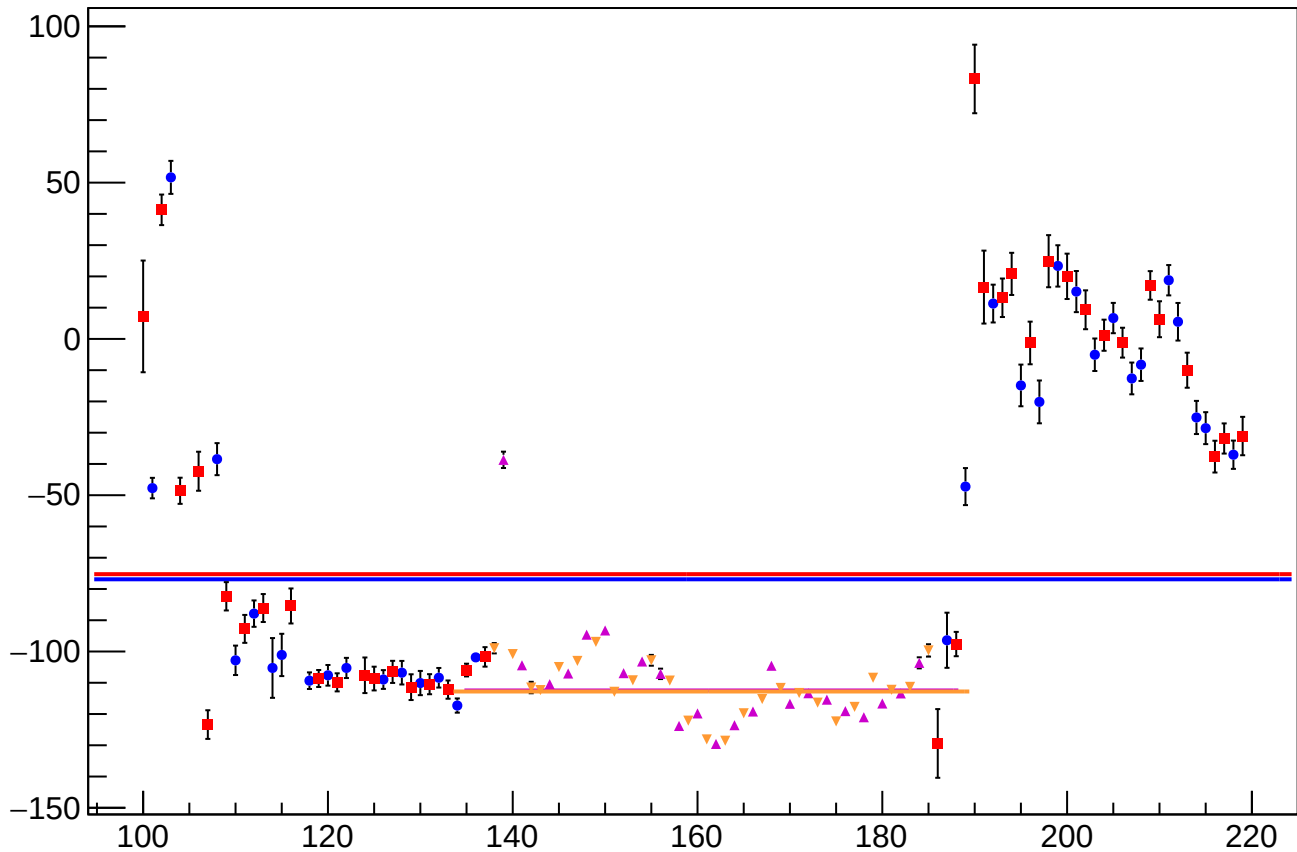
Left In: -95.489 ± 0.321 χ^2/NDF : 970.1/22

+ sign -100.199 ± 0.270 χ^2/NDF : 2711.7/56

All: -100.586 ± 0.193 χ^2/NDF : 5584.3/116

- sign -100.995 ± 0.277 χ^2/NDF : 2868.3/59

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -76.904 ± 0.691 χ^2/NDF : 4510.9/31

Left Out: -112.794 ± 0.274 χ^2/NDF : 936.4/24

Right Out: -75.259 ± 0.720 χ^2/NDF : 4698.0/36

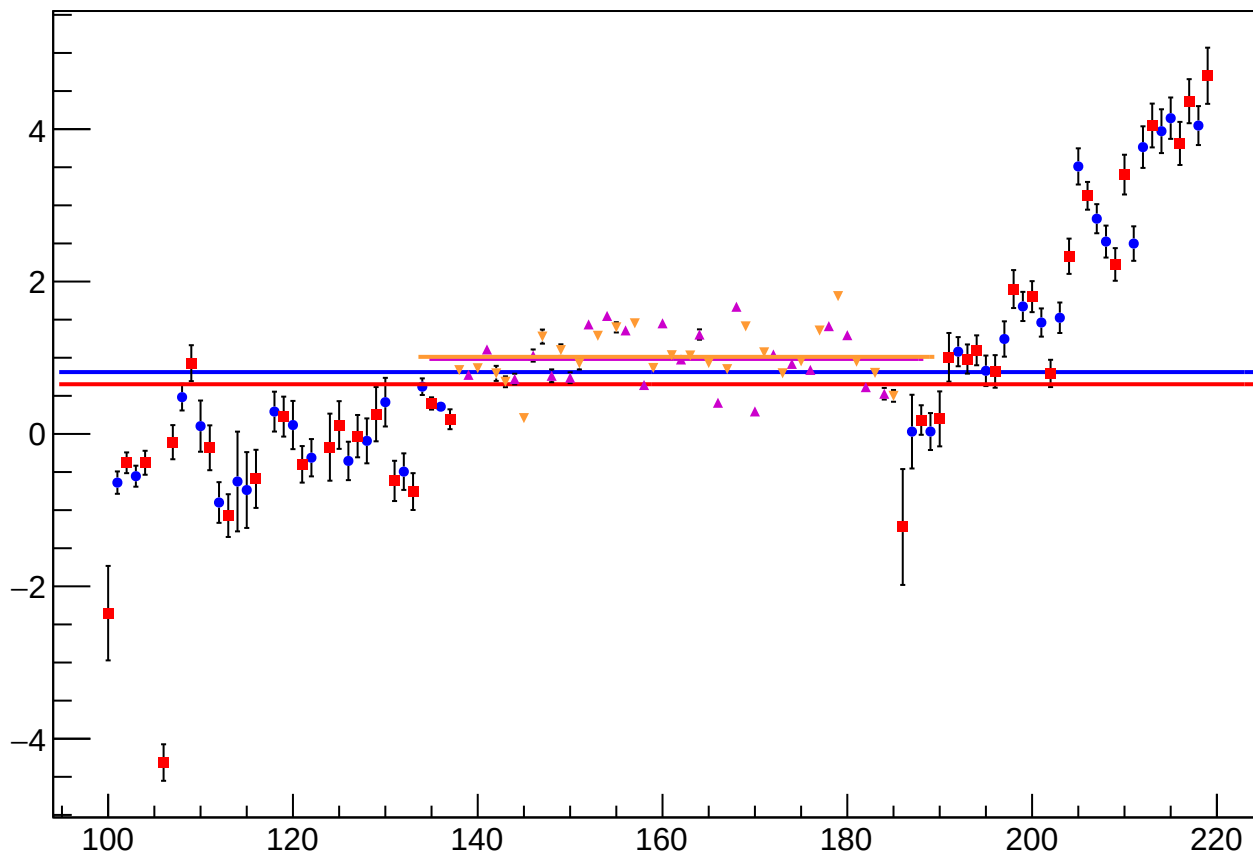
Left In: -112.465 ± 0.285 χ^2/NDF : 1788.6/22

+ sign -107.912 ± 0.255 χ^2/NDF : 7780.7/56

All: -107.680 ± 0.184 χ^2/NDF : 16578.4/116

- sign -107.430 ± 0.265 χ^2/NDF : 8796.1/59

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.812 ± 0.033 $\chi^2/\text{NDF}: 1380.3/31$

Left Out: 1.012 ± 0.012 $\chi^2/\text{NDF}: 691.2/24$

Right Out: 0.652 ± 0.035 $\chi^2/\text{NDF}: 1770.7/36$

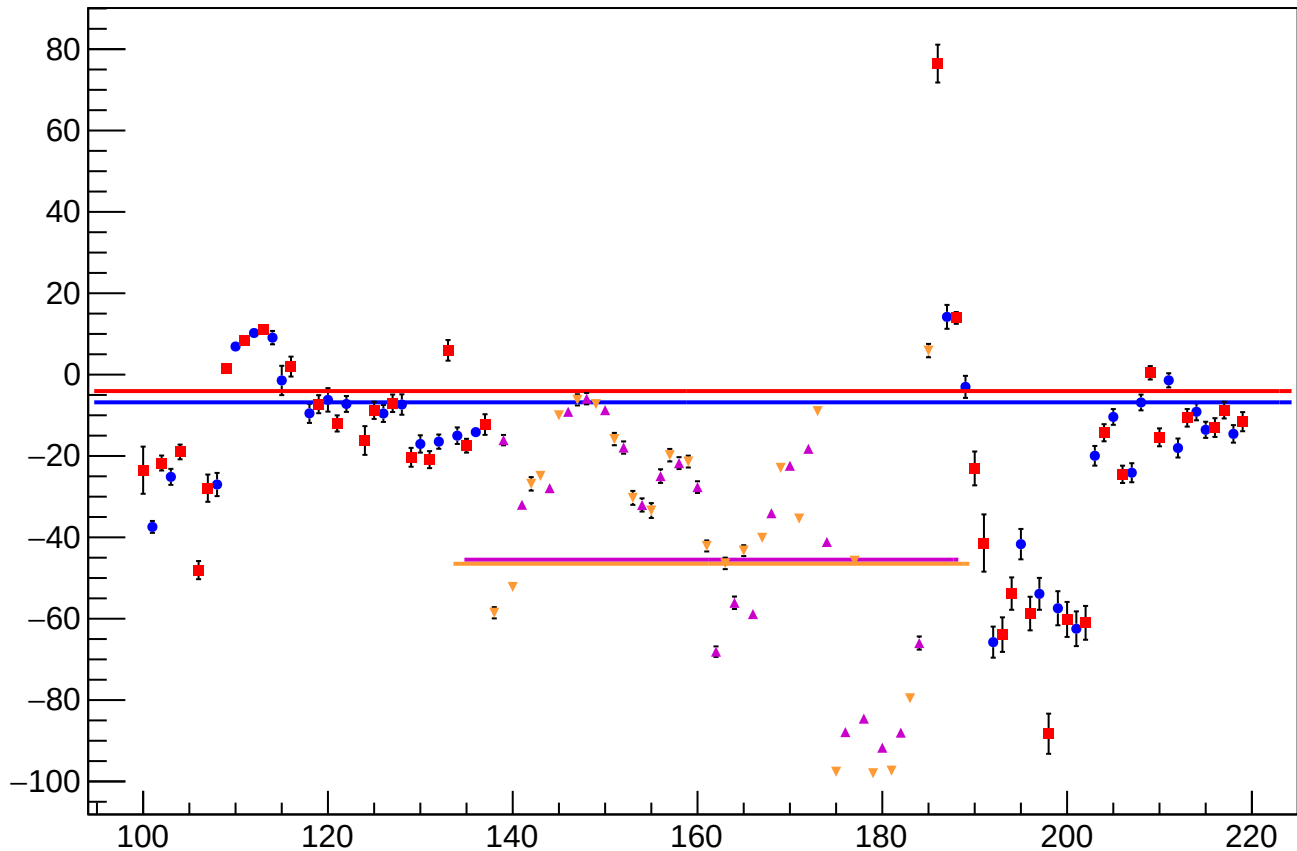
Left In: 0.984 ± 0.013 $\chi^2/\text{NDF}: 900.0/22$

+ sign 0.988 ± 0.011 $\chi^2/\text{NDF}: 2103.3/56$

All: 0.968 ± 0.008 $\chi^2/\text{NDF}: 4860.2/116$

- sign 0.946 ± 0.012 $\chi^2/\text{NDF}: 2750.6/59$

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -6.812 ± 0.321 $\chi^2/\text{NDF}: 2590.0/31$

Left Out: -46.493 ± 0.230 $\chi^2/\text{NDF}: 20046.7/24$

Right Out: -4.046 ± 0.295 $\chi^2/\text{NDF}: 3452.0/36$

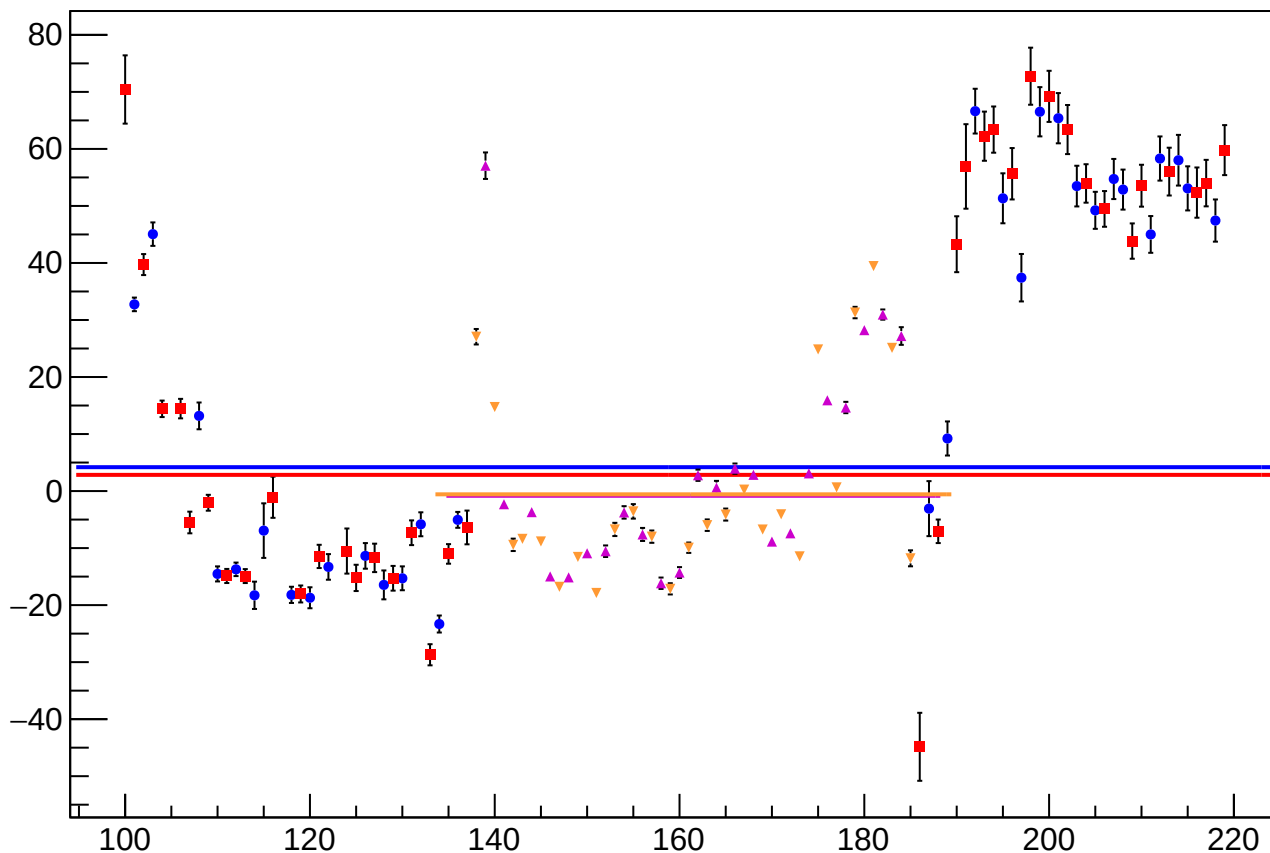
Left In: -45.487 ± 0.238 $\chi^2/\text{NDF}: 15571.1/22$

+ sign -33.020 ± 0.187 $\chi^2/\text{NDF}: 32735.7/56$

All: -31.073 ± 0.132 $\chi^2/\text{NDF}: 63944.4/116$

- sign -29.167 ± 0.185 $\chi^2/\text{NDF}: 30994.2/59$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 4.189 ± 0.392 $\chi^2/\text{NDF}: 4996.6/31$

Left Out: -0.572 ± 0.177 $\chi^2/\text{NDF}: 8451.5/24$

Right Out: 2.841 ± 0.383 $\chi^2/\text{NDF}: 4700.5/36$

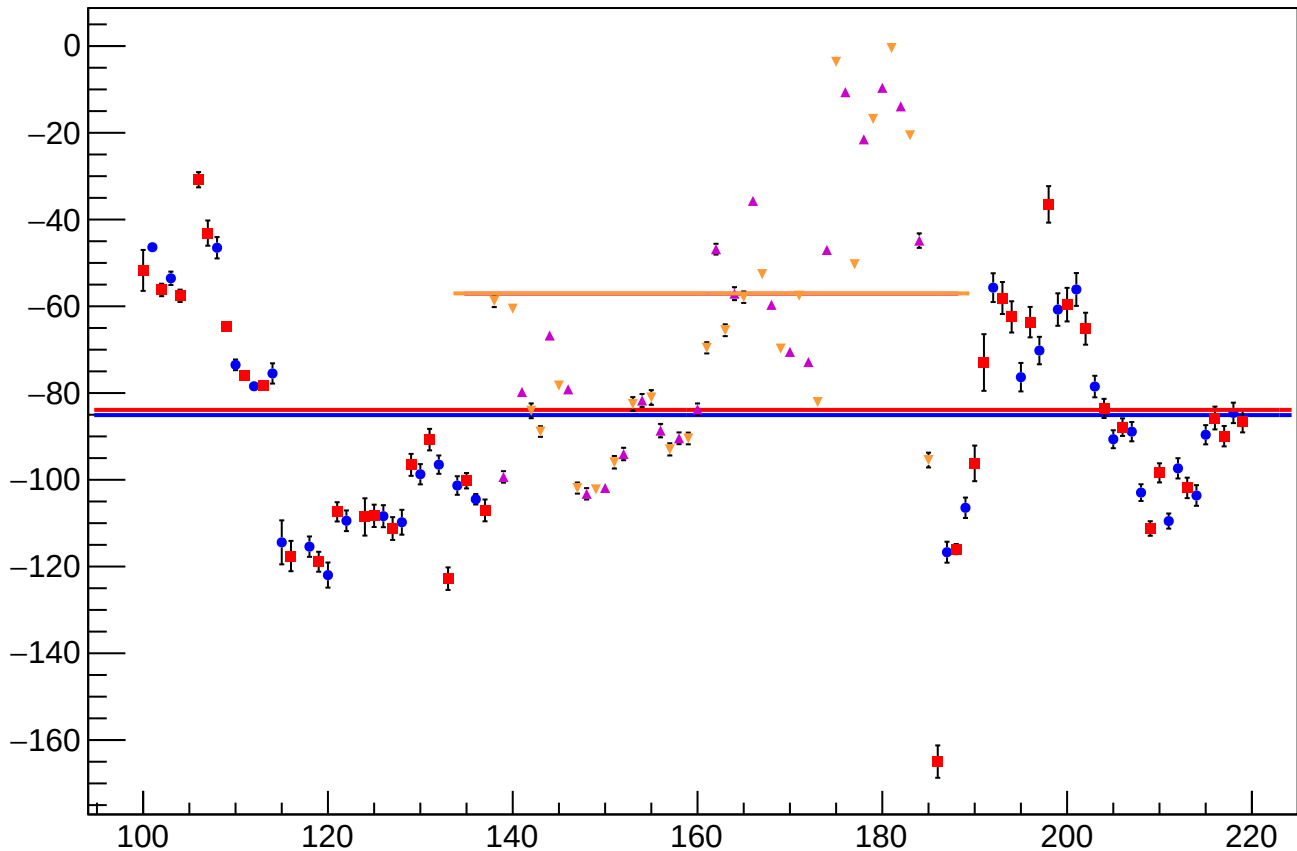
Left In: -0.828 ± 0.183 $\chi^2/\text{NDF}: 6116.6/22$

+ sign 0.236 ± 0.161 $\chi^2/\text{NDF}: 13570.6/56$

All: 0.050 ± 0.115 $\chi^2/\text{NDF}: 24465.2/116$

- sign -0.145 ± 0.165 $\chi^2/\text{NDF}: 10891.9/59$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -85.085 ± 0.355 $\chi^2/\text{NDF}: 3807.5/31$

Left Out: -57.029 ± 0.230 $\chi^2/\text{NDF}: 20309.3/24$

Right Out: -83.884 ± 0.338 $\chi^2/\text{NDF}: 5297.7/36$

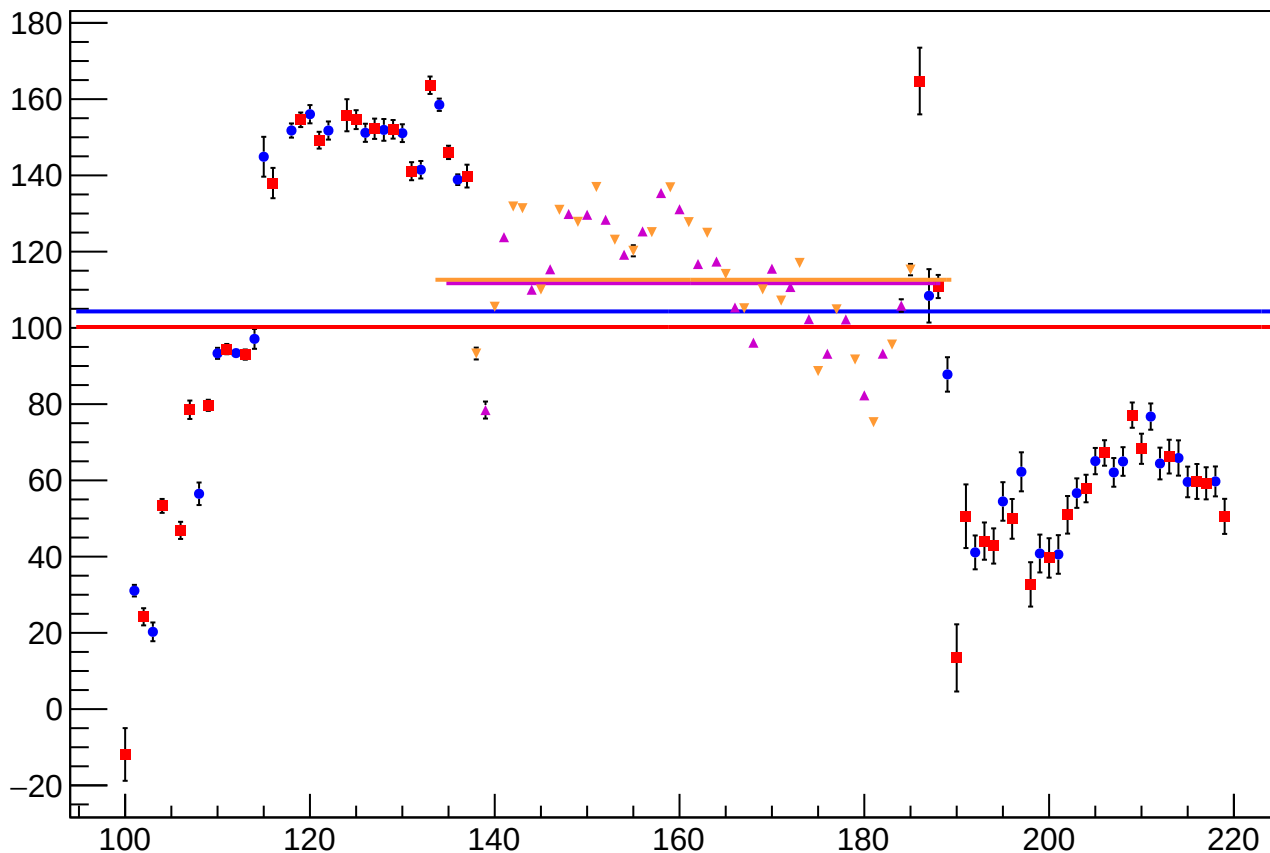
Left In: -57.091 ± 0.237 $\chi^2/\text{NDF}: 17167.8/22$

+ sign -65.305 ± 0.193 $\chi^2/\text{NDF}: 28511.0/56$

All: -65.594 ± 0.137 $\chi^2/\text{NDF}: 55190.3/116$

- sign -65.885 ± 0.194 $\chi^2/\text{NDF}: 26674.8/59$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 104.320 $\pm$ 0.444 χ^2 /NDF: 10228.1/31

Left Out: 112.625 $\pm$ 0.200 χ^2 /NDF: 6708.0/24

Right Out: 100.233 $\pm$ 0.436 χ^2 /NDF: 9423.4/36

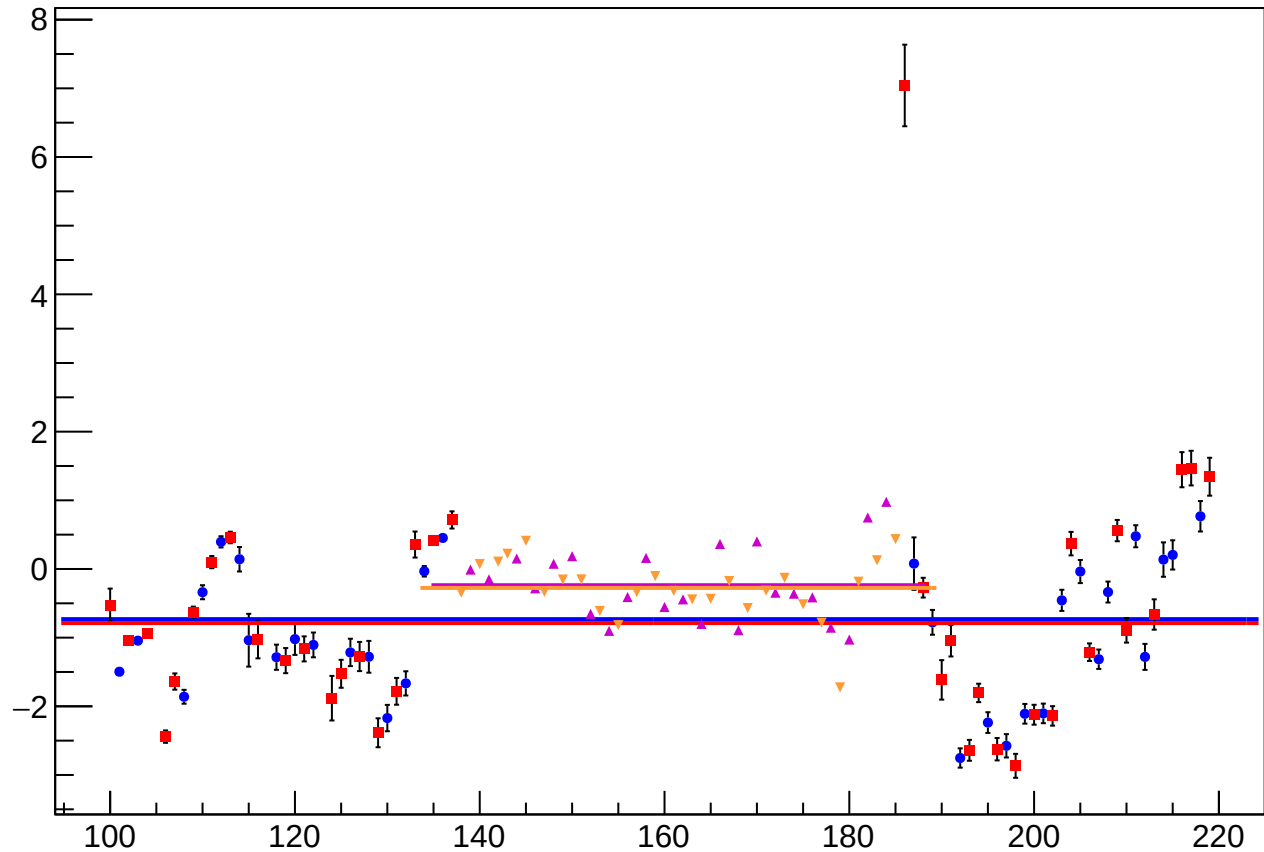
Left In: 111.720 $\pm$ 0.206 χ^2 /NDF: 4896.8/22

+ sign 111.226 $\pm$ 0.182 χ^2 /NDF: 17226.7/56

All: 110.442 $\pm$ 0.130 χ^2 /NDF: 32151.9/116

- sign 109.624 $\pm$ 0.186 χ^2 /NDF: 14887.3/59

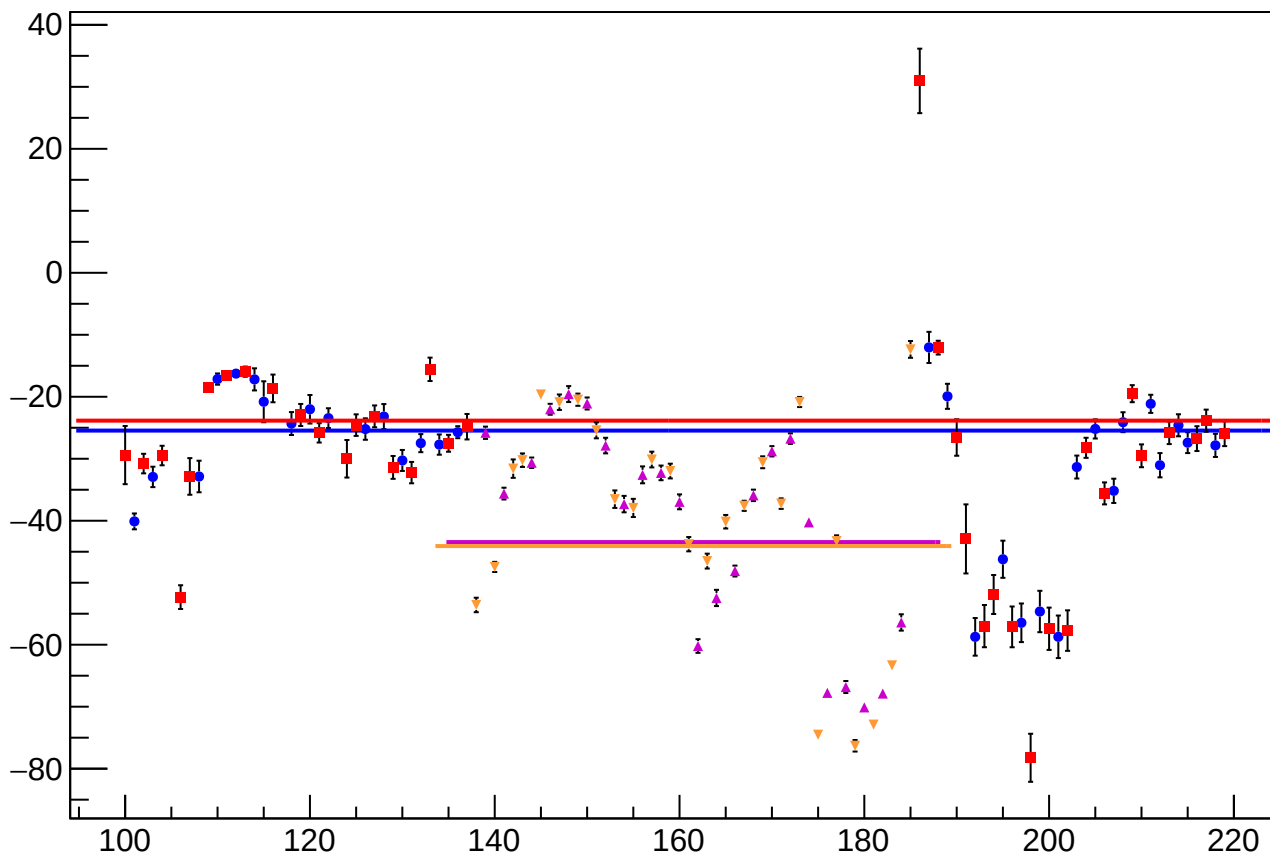
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.731 ± 0.022 $\chi^2/\text{NDF}: 1936.4/31$
 Left Out: -0.276 ± 0.009 $\chi^2/\text{NDF}: 2122.4/24$
 Right Out: -0.788 ± 0.022 $\chi^2/\text{NDF}: 2537.8/36$
 Left In: -0.236 ± 0.009 $\chi^2/\text{NDF}: 2961.3/22$

+ sign -0.341 ± 0.008 $\chi^2/\text{NDF}: 4424.5/56$
 All: -0.331 ± 0.006 $\chi^2/\text{NDF}: 10480.3/116$
 - sign -0.321 ± 0.008 $\chi^2/\text{NDF}: 6053.2/59$

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.456 ± 0.286 χ^2/NDF : 963.7/31

Left Out: -44.087 ± 0.193 χ^2/NDF : 10340.4/24

Right Out: -23.850 ± 0.269 χ^2/NDF : 1562.0/36

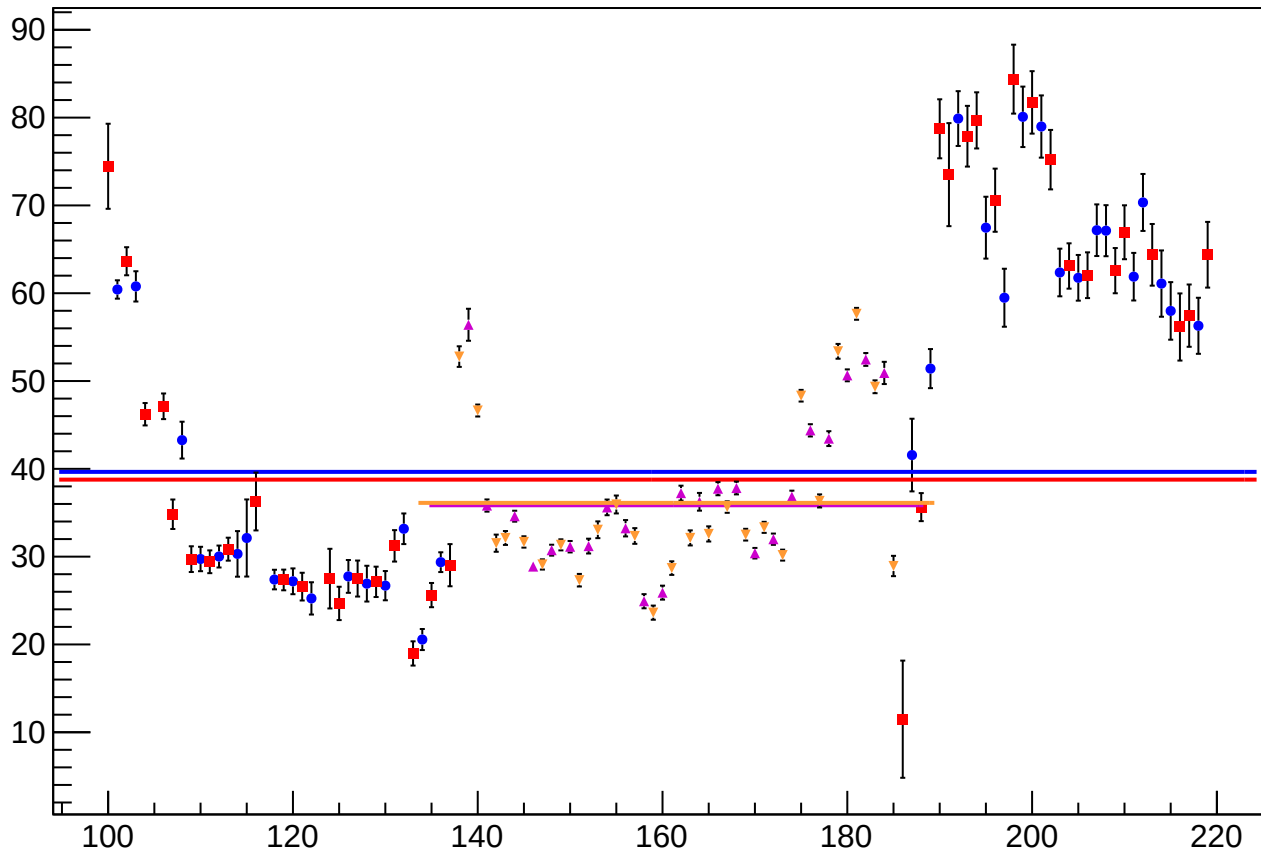
Left In: -43.444 ± 0.199 χ^2/NDF : 7820.5/22

+ sign -38.269 ± 0.160 χ^2/NDF : 14213.7/56

All: -37.397 ± 0.113 χ^2/NDF : 27087.6/116

- sign -36.527 ± 0.160 χ^2/NDF : 12814.7/59

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 39.653 ± 0.337 χ^2/NDF : 2539.1/31

Left Out: 36.123 ± 0.150 χ^2/NDF : 3558.5/24

Right Out: 38.771 ± 0.332 χ^2/NDF : 2572.6/36

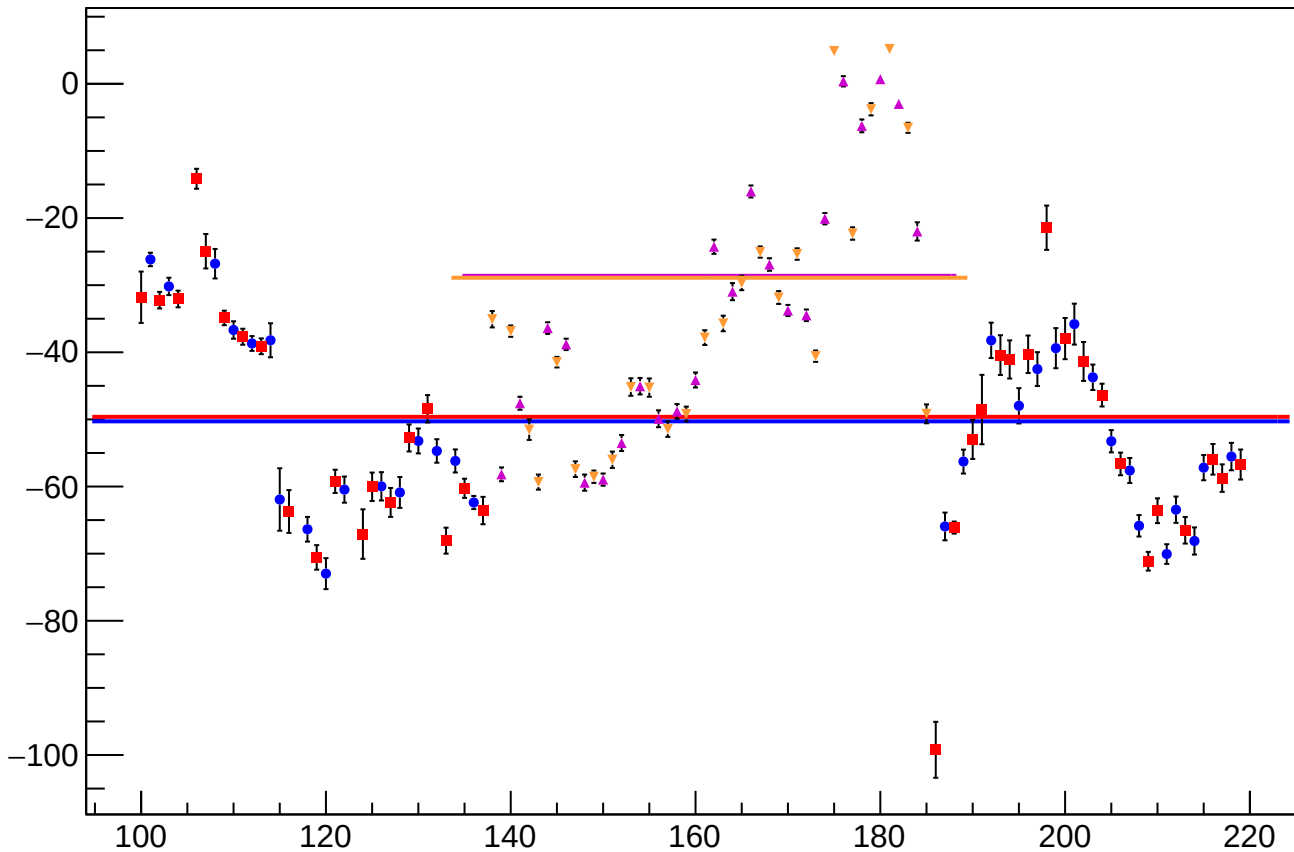
Left In: 35.852 ± 0.155 χ^2/NDF : 2293.5/22

+ sign 36.707 ± 0.137 χ^2/NDF : 6189.2/56

All: 36.545 ± 0.098 χ^2/NDF : 11121.7/116

- sign 36.374 ± 0.140 χ^2/NDF : 4929.6/59

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -50.288 ± 0.307 χ^2/NDF : 2188.2/31

Left Out: -28.891 ± 0.193 χ^2/NDF : 11798.4/24

Right Out: -49.617 ± 0.295 χ^2/NDF : 2937.3/36

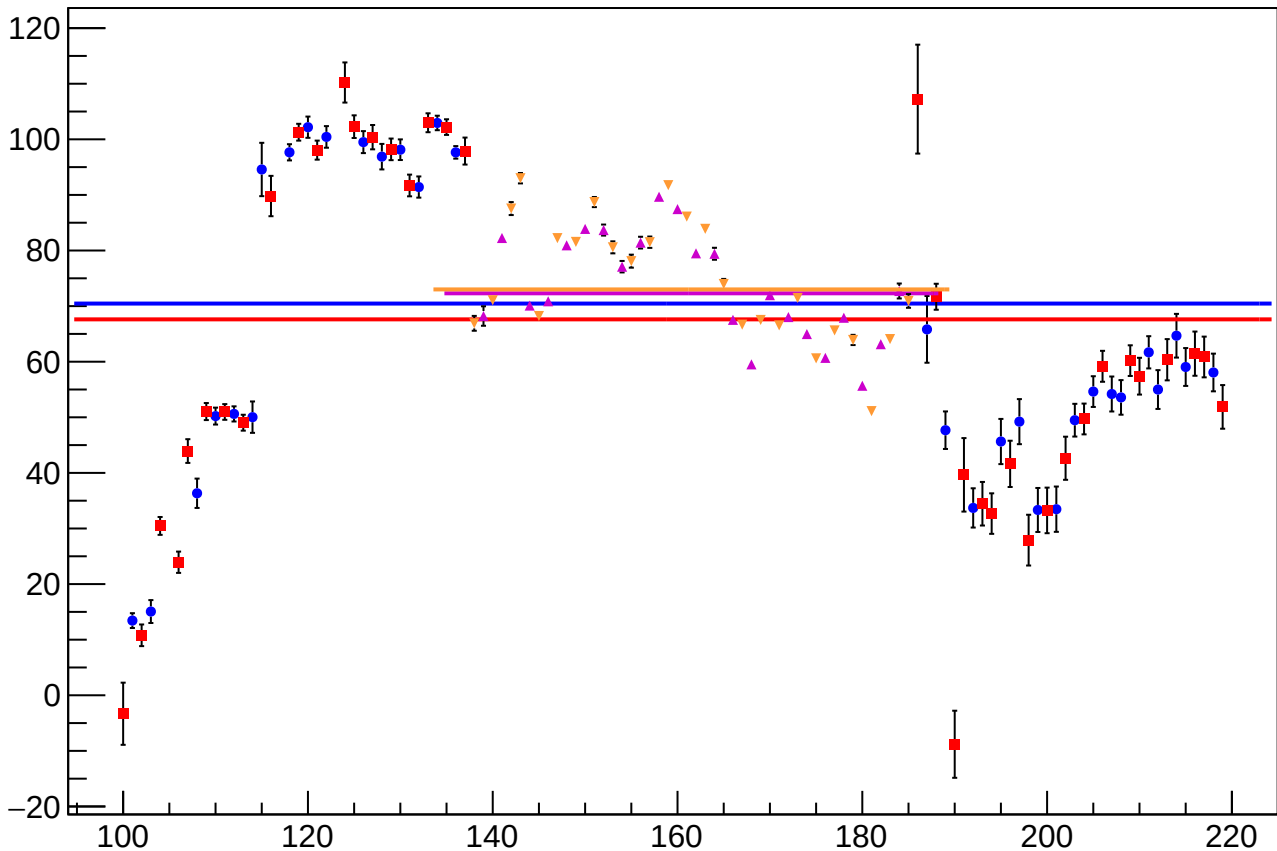
Left In: -28.605 ± 0.198 χ^2/NDF : 10014.7/22

+ sign -34.942 ± 0.163 χ^2/NDF : 17471.0/56

All: -35.035 ± 0.116 χ^2/NDF : 33928.2/116

- sign -35.128 ± 0.164 χ^2/NDF : 16456.6/59

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 70.458 $\pm$ 0.383 χ^2 /NDF: 6528.4/31

Left Out: 73.002 $\pm$ 0.168 χ^2 /NDF: 4052.4/24

Right Out: 67.617 $\pm$ 0.381 χ^2 /NDF: 6391.3/36

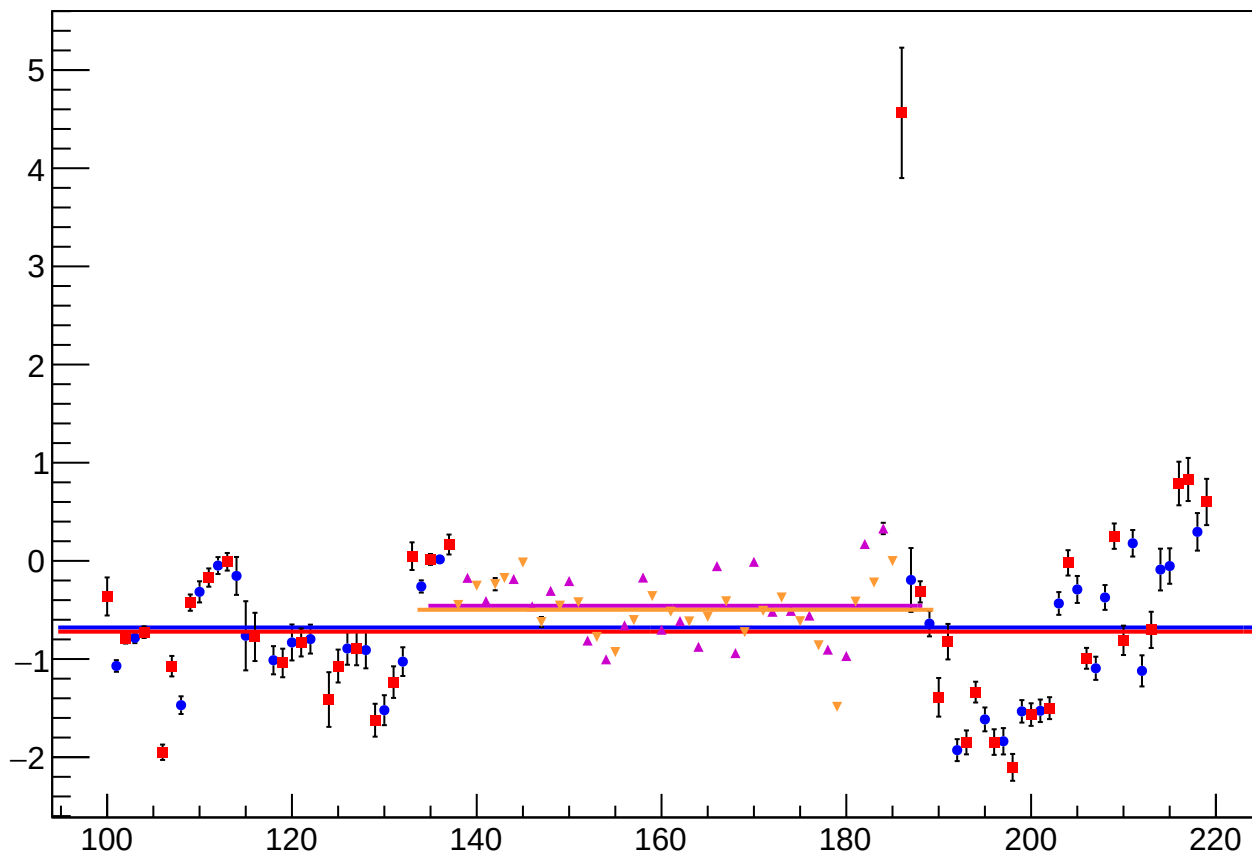
Left In: 72.302 $\pm$ 0.173 χ^2 /NDF: 2912.6/22

+ sign 72.590 $\pm$ 0.154 χ^2 /NDF: 10617.7/56

All: 72.057 $\pm$ 0.110 χ^2 /NDF: 20071.4/116

- sign 71.498 $\pm$ 0.158 χ^2 /NDF: 9429.2/59

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.679 ± 0.019 χ^2/NDF : 1016.4/31

Left Out: -0.498 ± 0.008 χ^2/NDF : 1482.9/24

Right Out: -0.721 ± 0.018 χ^2/NDF : 1420.4/36

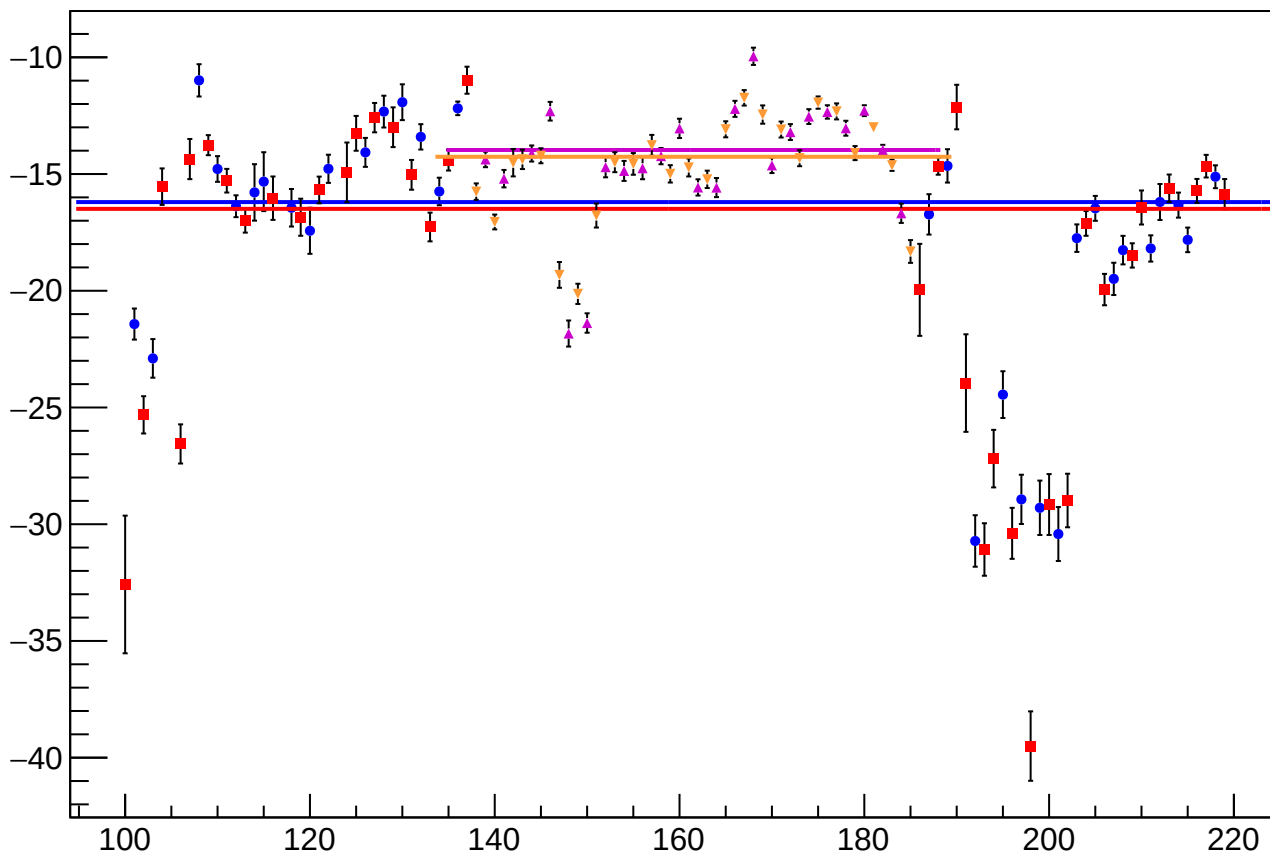
Left In: -0.458 ± 0.008 χ^2/NDF : 2103.1/22

+ sign -0.523 ± 0.007 χ^2/NDF : 2580.1/56

All: -0.510 ± 0.005 χ^2/NDF : 6285.5/116

- sign -0.496 ± 0.007 χ^2/NDF : 3698.0/59

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.202 ± 0.112 χ^2/NDF : 1228.1/31

Left Out: -14.261 ± 0.070 χ^2/NDF : 724.0/24

Right Out: -16.491 ± 0.110 χ^2/NDF : 1529.8/36

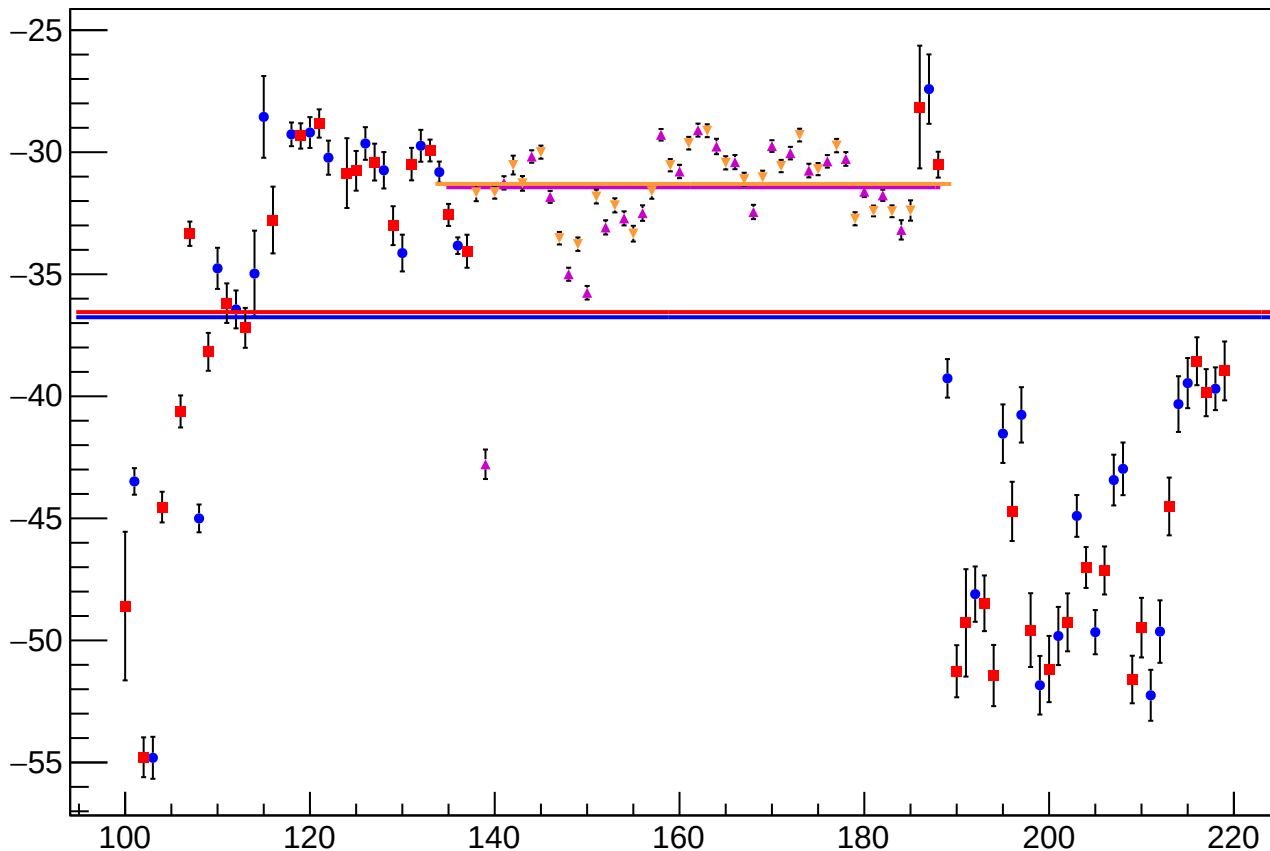
Left In: -13.970 ± 0.072 χ^2/NDF : 907.7/22

+ sign -14.801 ± 0.059 χ^2/NDF : 2168.2/56

All: -14.762 ± 0.042 χ^2/NDF : 4973.3/116

- sign -14.722 ± 0.060 χ^2/NDF : 2804.2/59

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.761 ± 0.132 $\chi^2/\text{NDF}: 3050.6/31$

Left Out: -31.301 ± 0.055 $\chi^2/\text{NDF}: 553.1/24$

Right Out: -36.550 ± 0.131 $\chi^2/\text{NDF}: 3339.6/36$

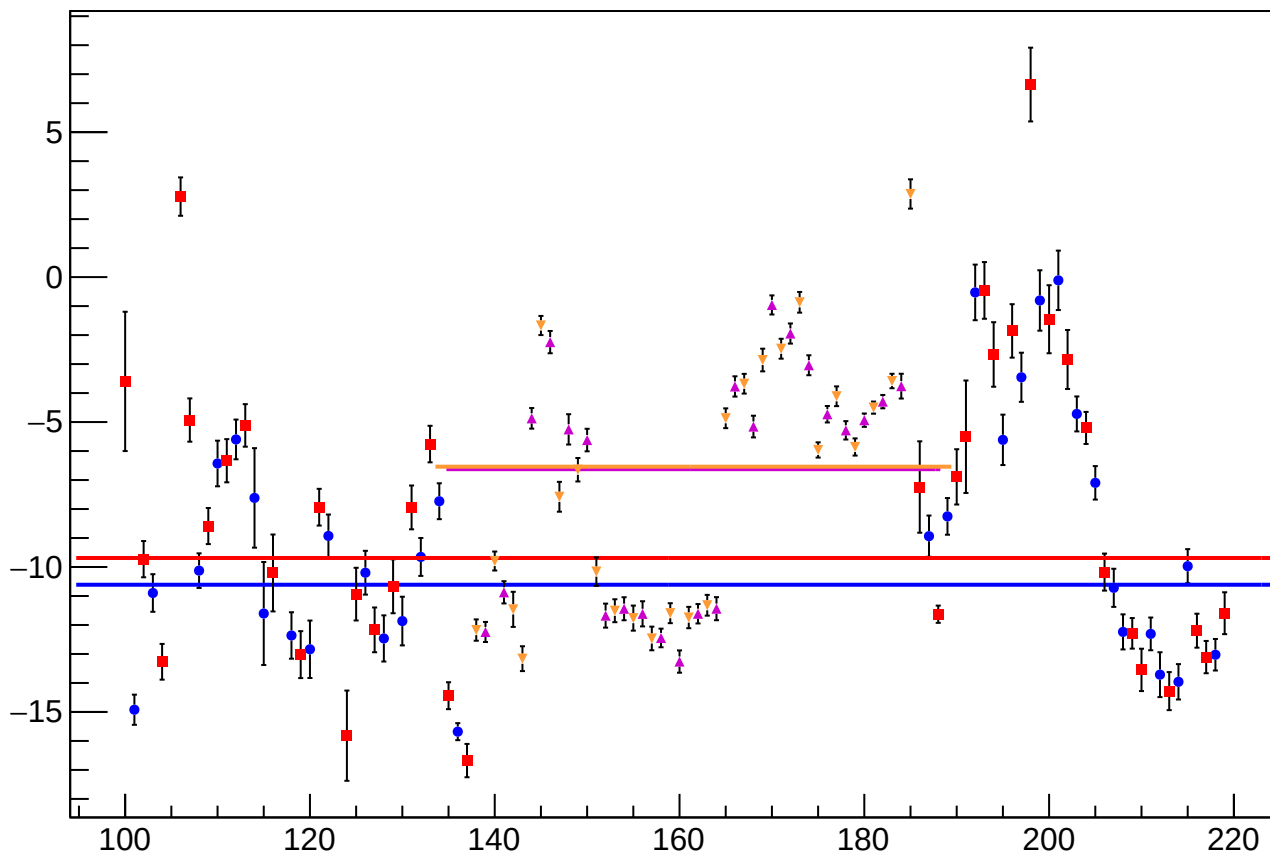
Left In: -31.436 ± 0.057 $\chi^2/\text{NDF}: 1214.8/22$

+ sign -32.112 ± 0.051 $\chi^2/\text{NDF}: 5056.3/56$

All: -32.183 ± 0.037 $\chi^2/\text{NDF}: 10895.7/116$

- sign -32.258 ± 0.052 $\chi^2/\text{NDF}: 5835.4/59$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.612 ± 0.116 χ^2/NDF : 1143.4/31

Left Out: -6.540 ± 0.070 χ^2/NDF : 3242.5/24

Right Out: -9.689 ± 0.114 χ^2/NDF : 1597.2/36

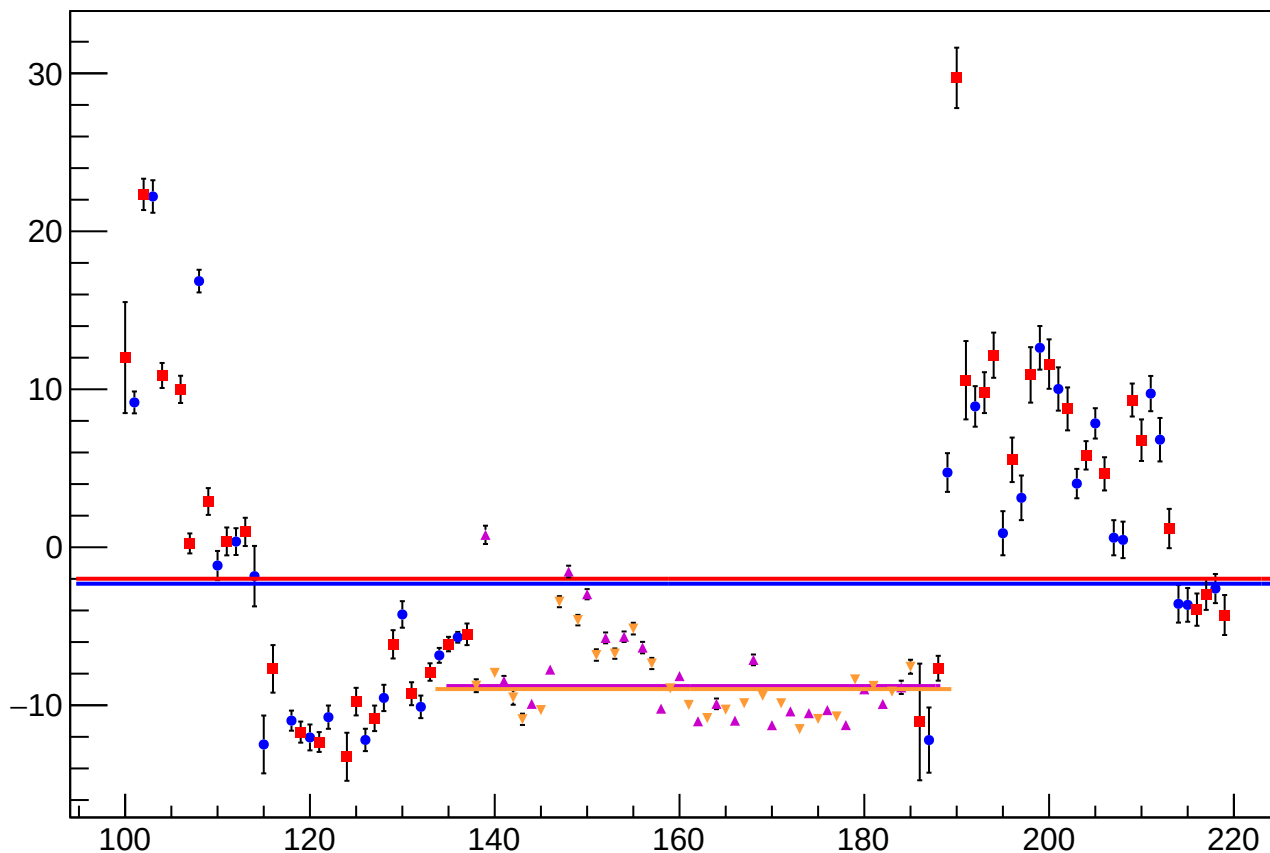
Left In: -6.625 ± 0.071 χ^2/NDF : 2908.0/22

+ sign -7.610 ± 0.060 χ^2/NDF : 5287.2/56

All: -7.549 ± 0.043 χ^2/NDF : 10311.7/116

- sign -7.486 ± 0.061 χ^2/NDF : 5022.4/59

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -2.307 ± 0.149 χ^2/NDF : 3325.7/31

Left Out: -8.977 ± 0.061 χ^2/NDF : 972.0/24

Right Out: -1.992 ± 0.151 χ^2/NDF : 3285.1/36

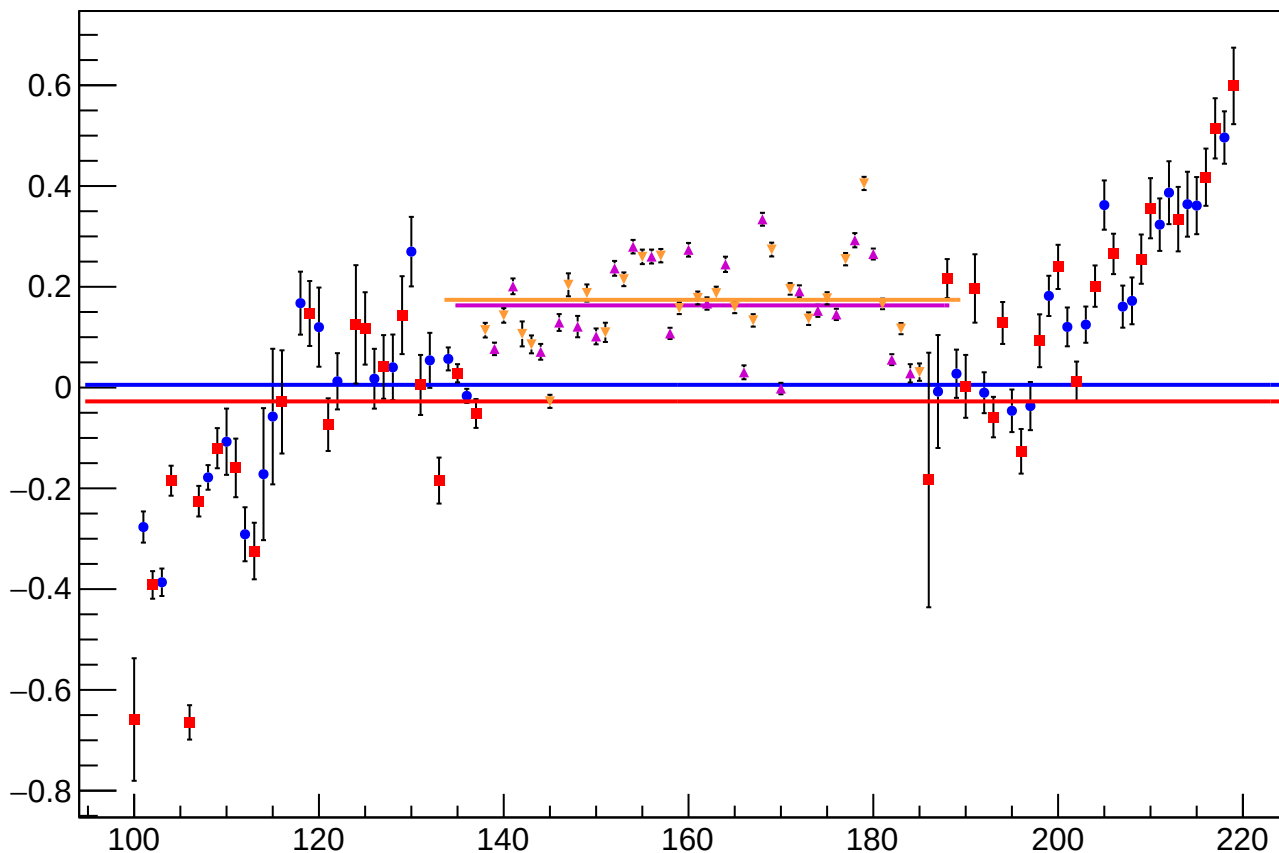
Left In: -8.785 ± 0.063 χ^2/NDF : 1685.0/22

+ sign -8.003 ± 0.057 χ^2/NDF : 6018.5/56

All: -7.886 ± 0.041 χ^2/NDF : 12727.2/116

- sign -7.761 ± 0.058 χ^2/NDF : 6699.9/59

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: 0.005 $\pm$ 0.007 χ^2 /NDF: 770.5/31

Left Out: 0.174 $\pm$ 0.003 χ^2 /NDF:922.9/24

Right Out: -0.027 $\pm$ 0.007 χ^2 /NDF: 1220.9/36

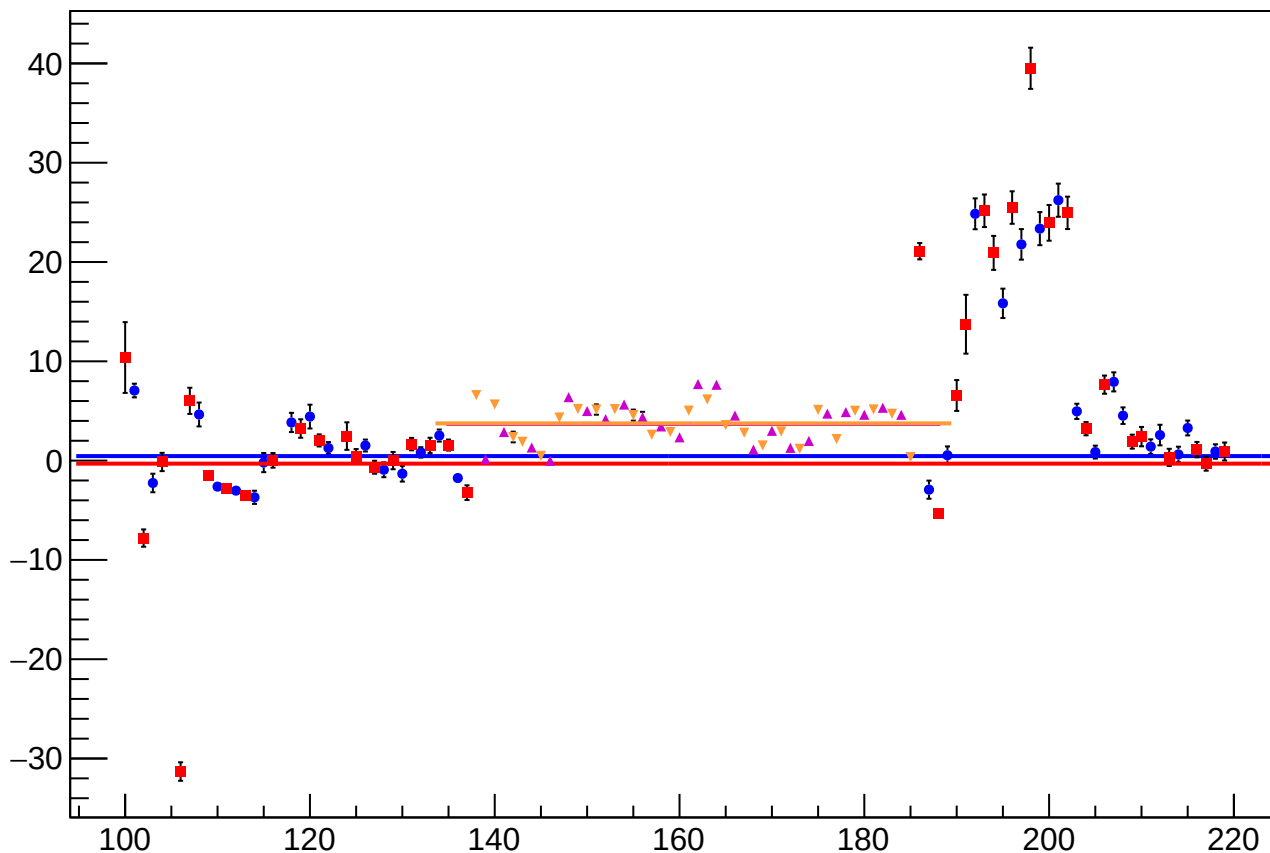
Left In: 0.163 $\pm$ 0.003 χ^2 /NDF:1195.1/22

+ sign 0.152 $\pm$ 0.003 χ^2 /NDF: 2206.8/56

All: 0.145 $\pm$ 0.002 χ^2 /NDF: 5251.1/116

- sign 0.138 $\pm$ 0.003 χ^2 /NDF: 3030.8/59

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.456 ± 0.117 χ^2/NDF : 1604.4/31

Left Out: 3.750 ± 0.062 χ^2/NDF : 809.8/24

Right Out: -0.306 ± 0.111 χ^2/NDF : 3866.4/36

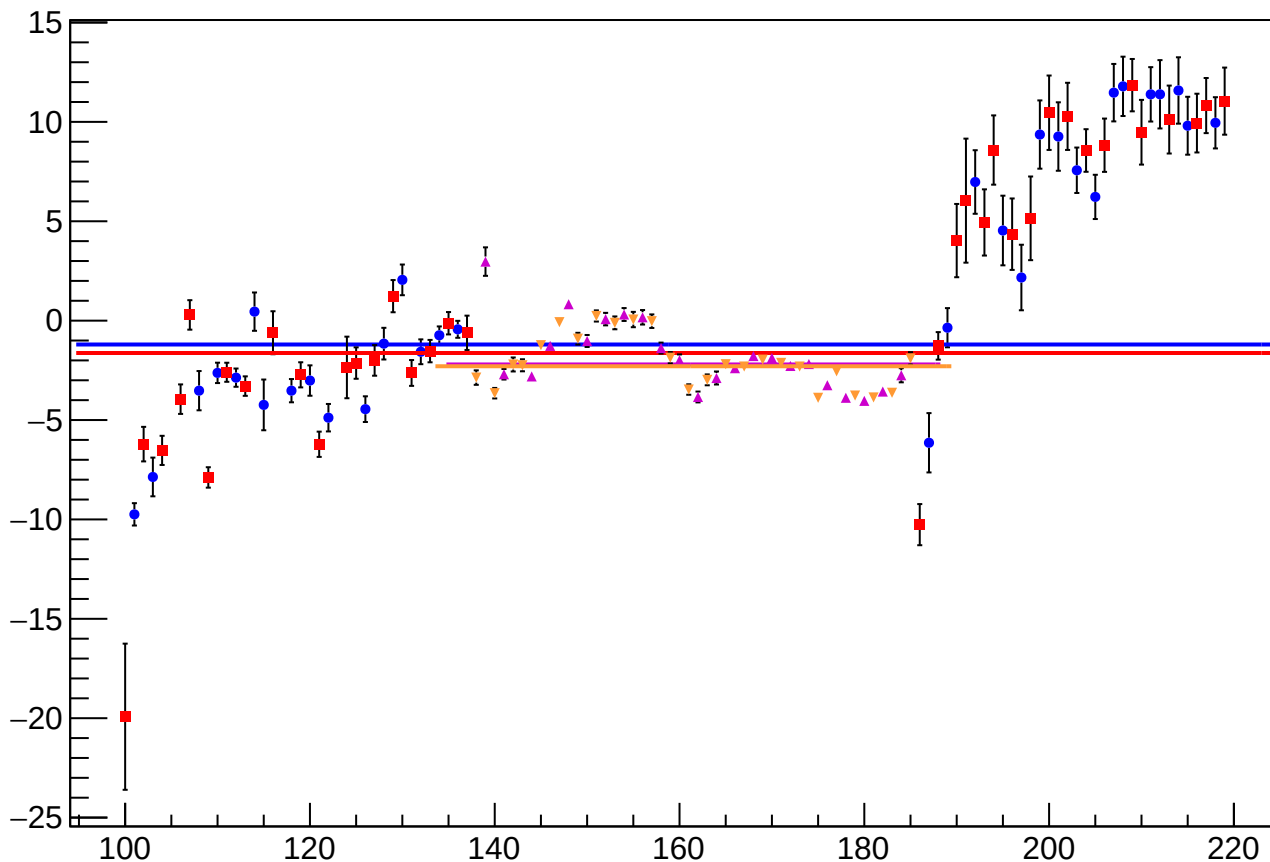
Left In: 3.688 ± 0.064 χ^2/NDF : 953.3/22

+ sign 3.031 ± 0.055 χ^2/NDF : 3031.0/56

All: 2.862 ± 0.039 χ^2/NDF : 8846.6/116

- sign 2.690 ± 0.055 χ^2/NDF : 5796.4/59

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.200 ± 0.143 χ^2/NDF : 1122.8/31

Left Out: -2.294 ± 0.050 χ^2/NDF : 631.5/24

Right Out: -1.627 ± 0.142 χ^2/NDF : 1154.1/36

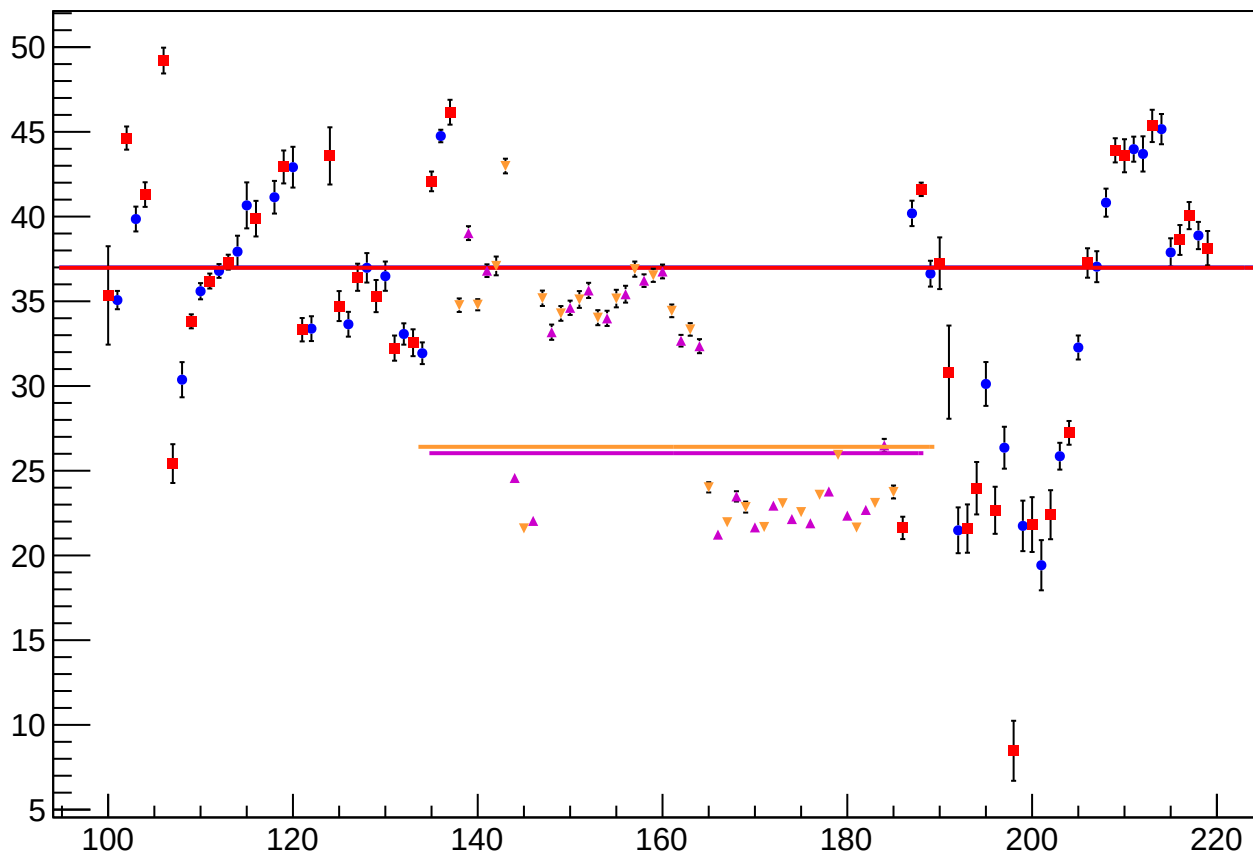
Left In: -2.204 ± 0.051 χ^2/NDF : 724.7/22

+ sign -2.177 ± 0.047 χ^2/NDF : 1806.7/56

All: -2.158 ± 0.033 χ^2/NDF : 3700.4/116

- sign -2.139 ± 0.048 χ^2/NDF : 1893.4/59

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.996 ± 0.131 χ^2/NDF : 1697.6/31

Left Out: 26.411 ± 0.062 χ^2/NDF : 9222.2/24

Right Out: 36.979 ± 0.126 χ^2/NDF : 2842.2/36

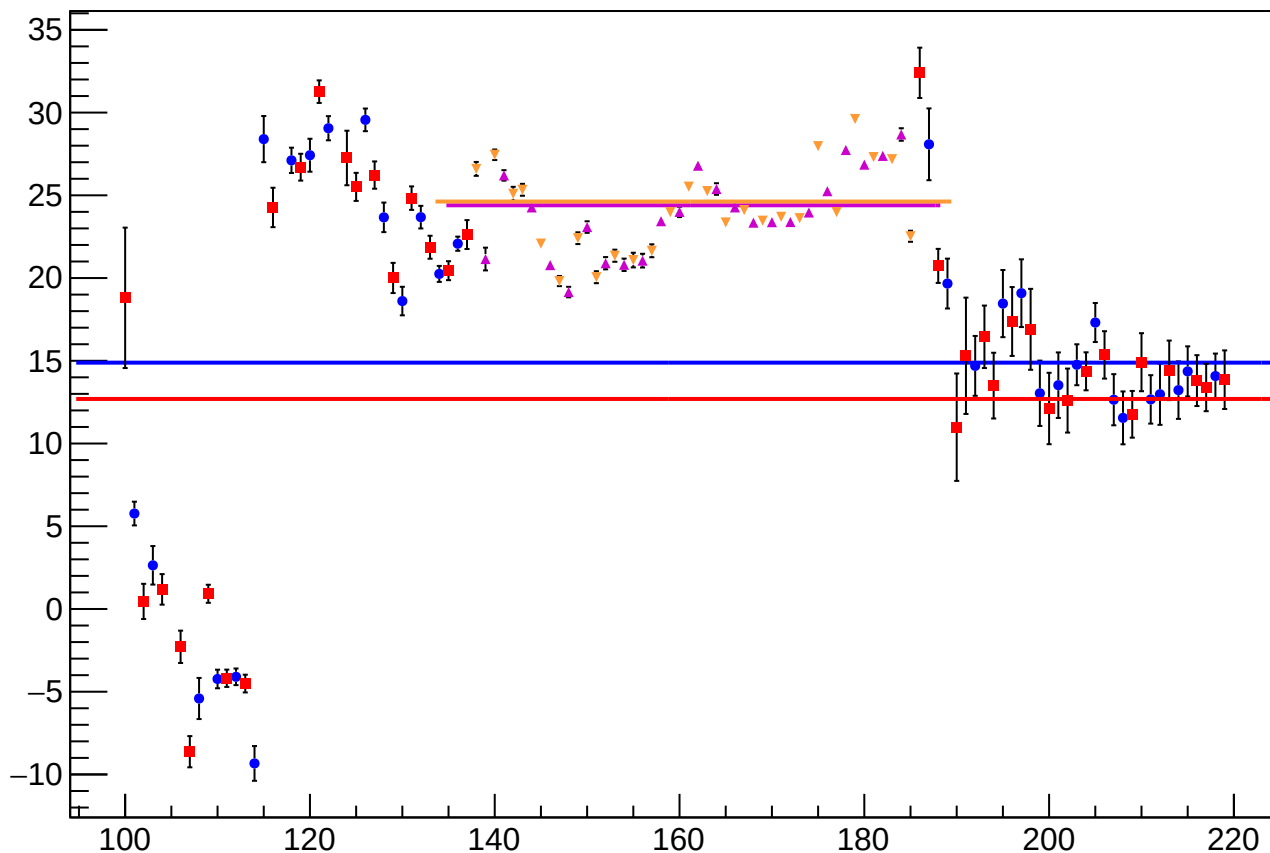
Left In: 26.036 ± 0.064 χ^2/NDF : 7842.9/22

+ sign 28.359 ± 0.056 χ^2/NDF : 16236.0/56

All: 28.310 ± 0.040 χ^2/NDF : 32885.7/116

- sign 28.259 ± 0.057 χ^2/NDF : 16648.2/59

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.887 $\pm$ 0.160 χ^2 /NDF: 5757.7/31

Left Out: 24.624 $\pm$ 0.055 χ^2 /NDF:1950.7/24

Right Out: 12.693 $\pm$ 0.161 χ^2 /NDF: 6374.9/36

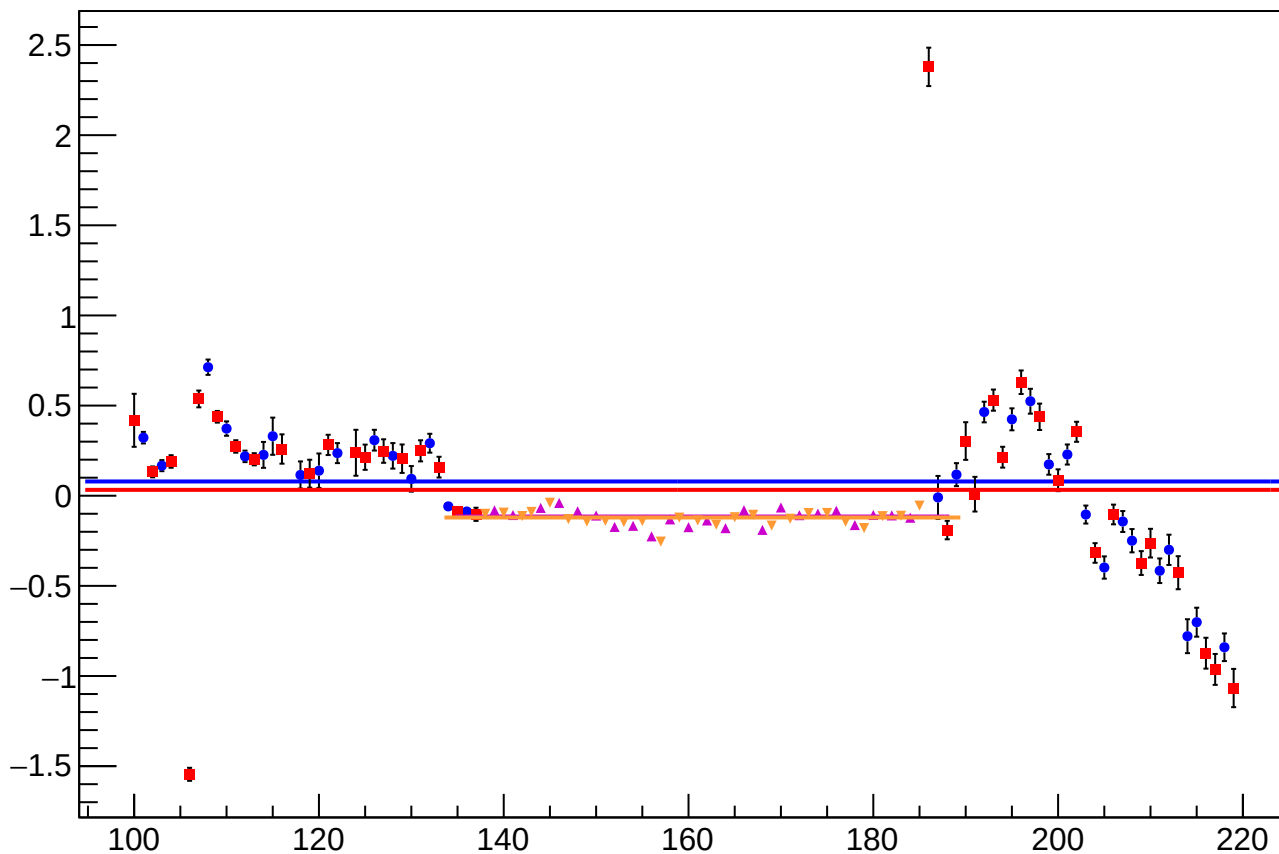
Left In: 24.397 $\pm$ 0.056 χ^2 /NDF:1715.6/22

+ sign 23.584 $\pm$ 0.052 χ^2 /NDF: 11034.6/56

All: 23.355 $\pm$ 0.037 χ^2 /NDF: 23869.0/116

- sign 23.116 $\pm$ 0.053 χ^2 /NDF: 12794.9/59

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.079 ± 0.008 χ^2/NDF : 1179.4/31

Left Out: -0.121 ± 0.002 χ^2/NDF : 262.9/24

Right Out: 0.033 ± 0.008 χ^2/NDF : 3634.7/36

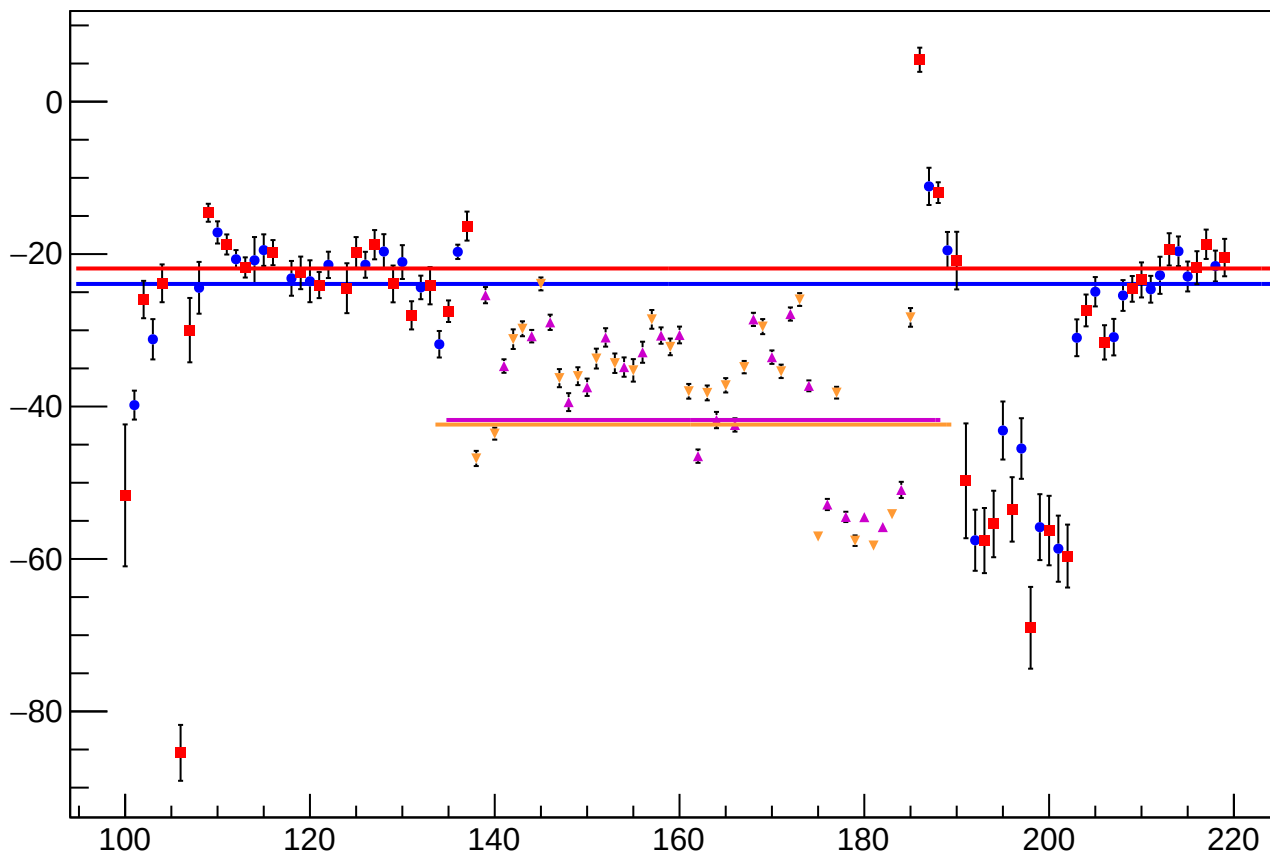
Left In: -0.115 ± 0.003 χ^2/NDF : 290.7/22

+ sign -0.104 ± 0.002 χ^2/NDF : 1992.0/56

All: -0.104 ± 0.002 χ^2/NDF : 6204.1/116

- sign -0.103 ± 0.002 χ^2/NDF : 4212.0/59

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -23.918 ± 0.352 χ^2/NDF : 462.2/31

Left Out: -42.366 ± 0.175 χ^2/NDF : 4477.3/24

Right Out: -21.889 ± 0.344 χ^2/NDF : 1207.3/36

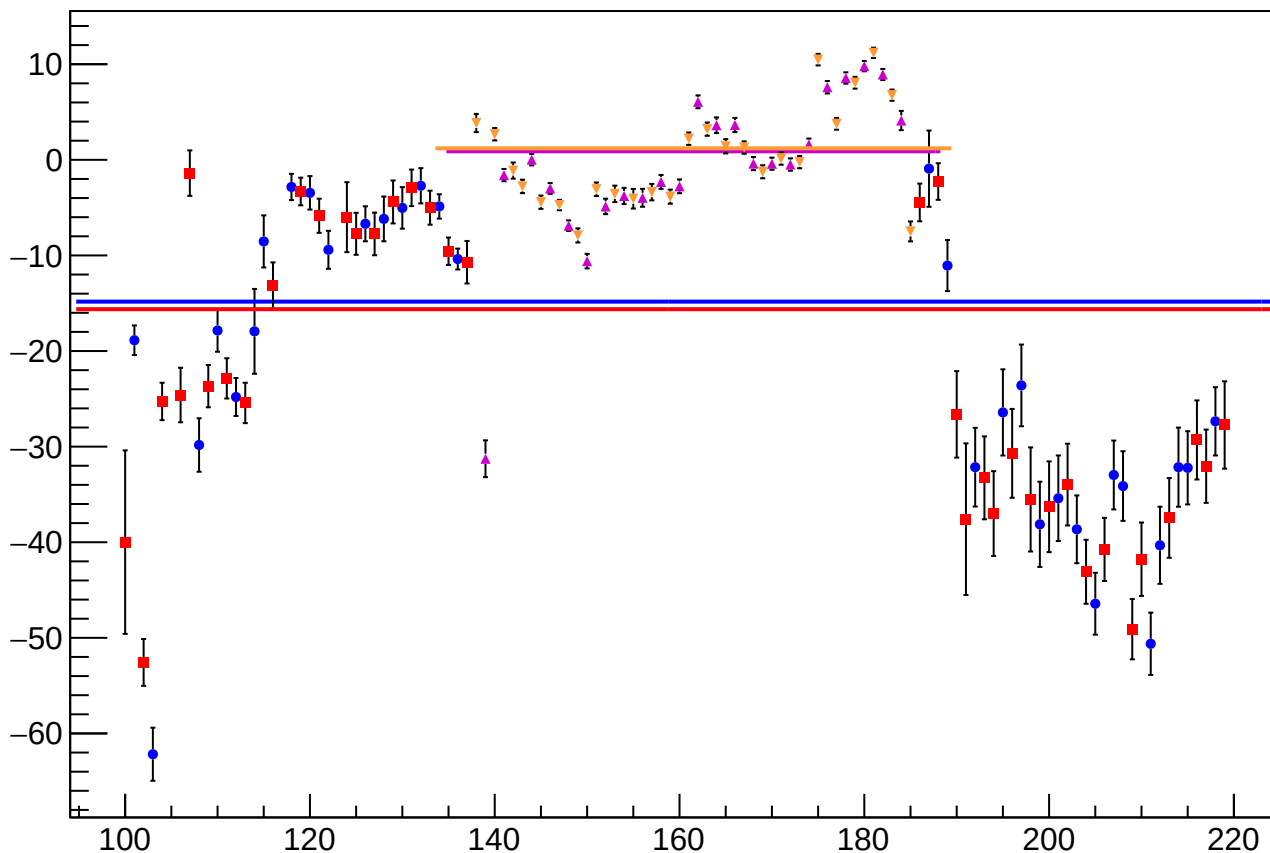
Left In: -41.764 ± 0.182 χ^2/NDF : 3459.2/22

+ sign -38.708 ± 0.157 χ^2/NDF : 7137.7/56

All: -38.083 ± 0.112 χ^2/NDF : 14446.6/116

- sign -37.428 ± 0.161 χ^2/NDF : 7276.4/59

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -14.831 ± 0.408 χ^2/NDF : 1155.4/31

Left Out: 1.203 ± 0.138 χ^2/NDF : 1463.6/24

Right Out: -15.622 ± 0.416 χ^2/NDF : 1156.5/36

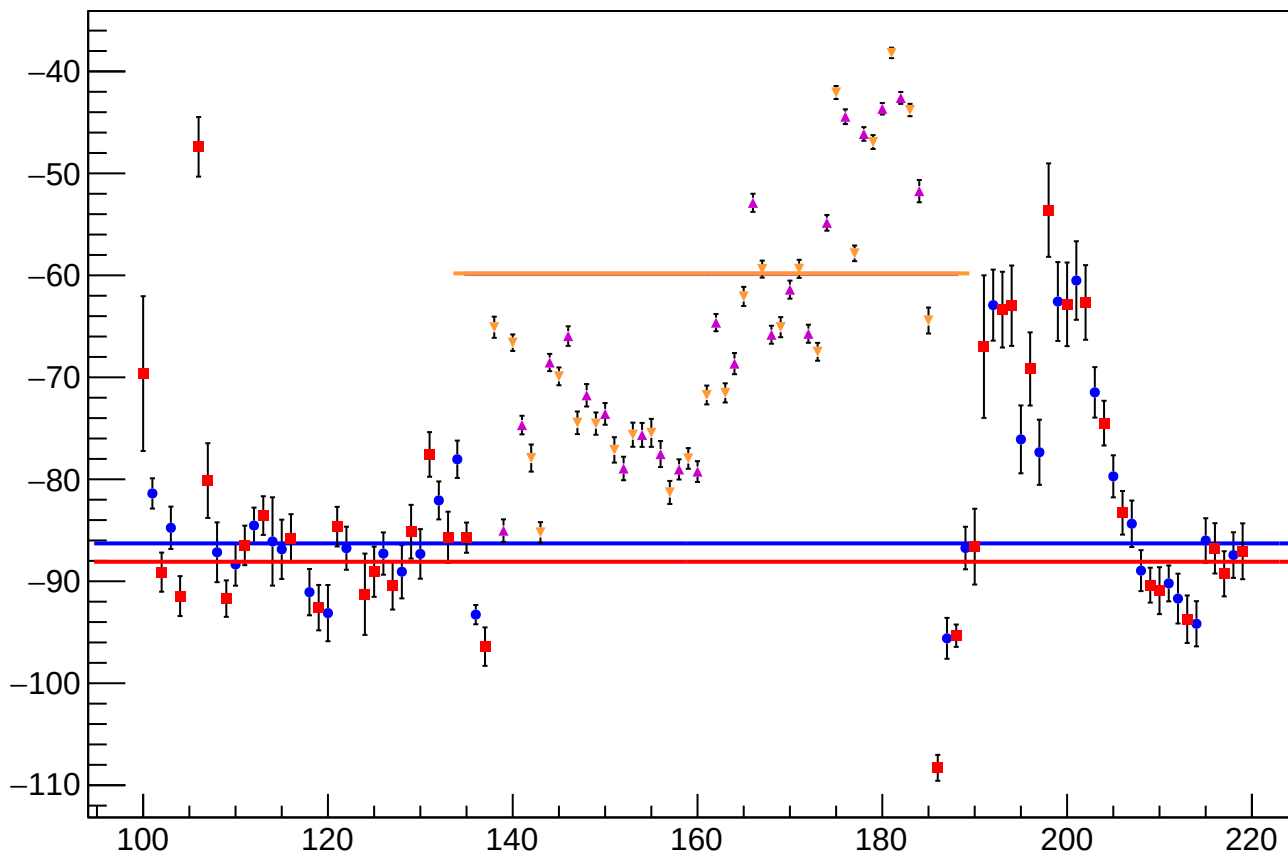
Left In: 0.889 ± 0.143 χ^2/NDF : 1763.7/22

+ sign -0.449 ± 0.131 χ^2/NDF : 4007.4/56

All: -0.645 ± 0.094 χ^2/NDF : 8341.2/116

- sign -0.854 ± 0.135 χ^2/NDF : 4329.2/59

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -86.286 ± 0.374 χ^2/NDF : 343.1/31

Left Out: -59.809 ± 0.175 χ^2/NDF : 6645.1/24

Right Out: -88.086 ± 0.365 χ^2/NDF : 890.6/36

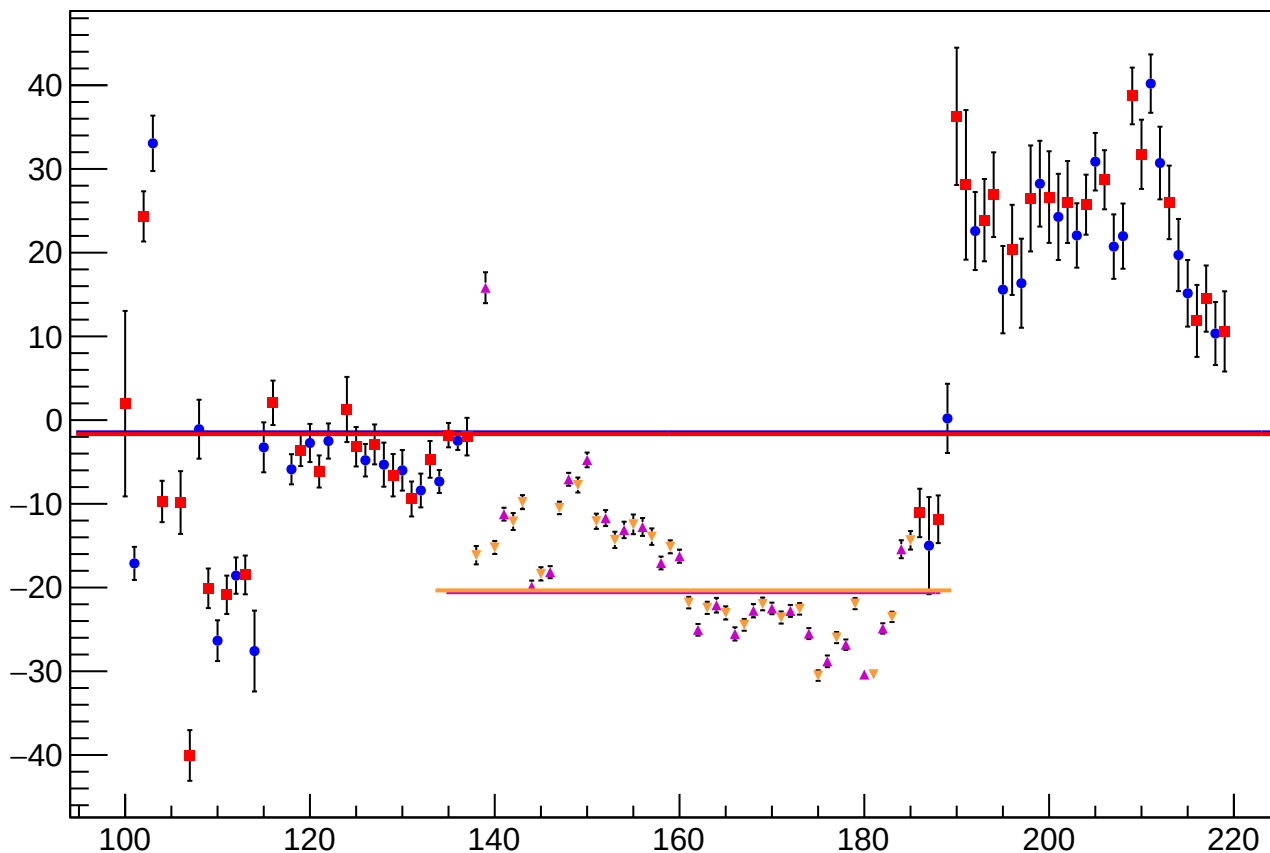
Left In: -59.846 ± 0.181 χ^2/NDF : 5534.1/22

+ sign -64.582 ± 0.159 χ^2/NDF : 11100.0/56

All: -64.989 ± 0.113 χ^2/NDF : 22335.2/116

- sign -65.415 ± 0.162 χ^2/NDF : 11221.7/59

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -1.459 ± 0.458 χ^2/NDF : 970.8/31

Left Out: -20.339 ± 0.155 χ^2/NDF : 1701.1/24

Right Out: -1.673 ± 0.476 χ^2/NDF : 1087.7/36

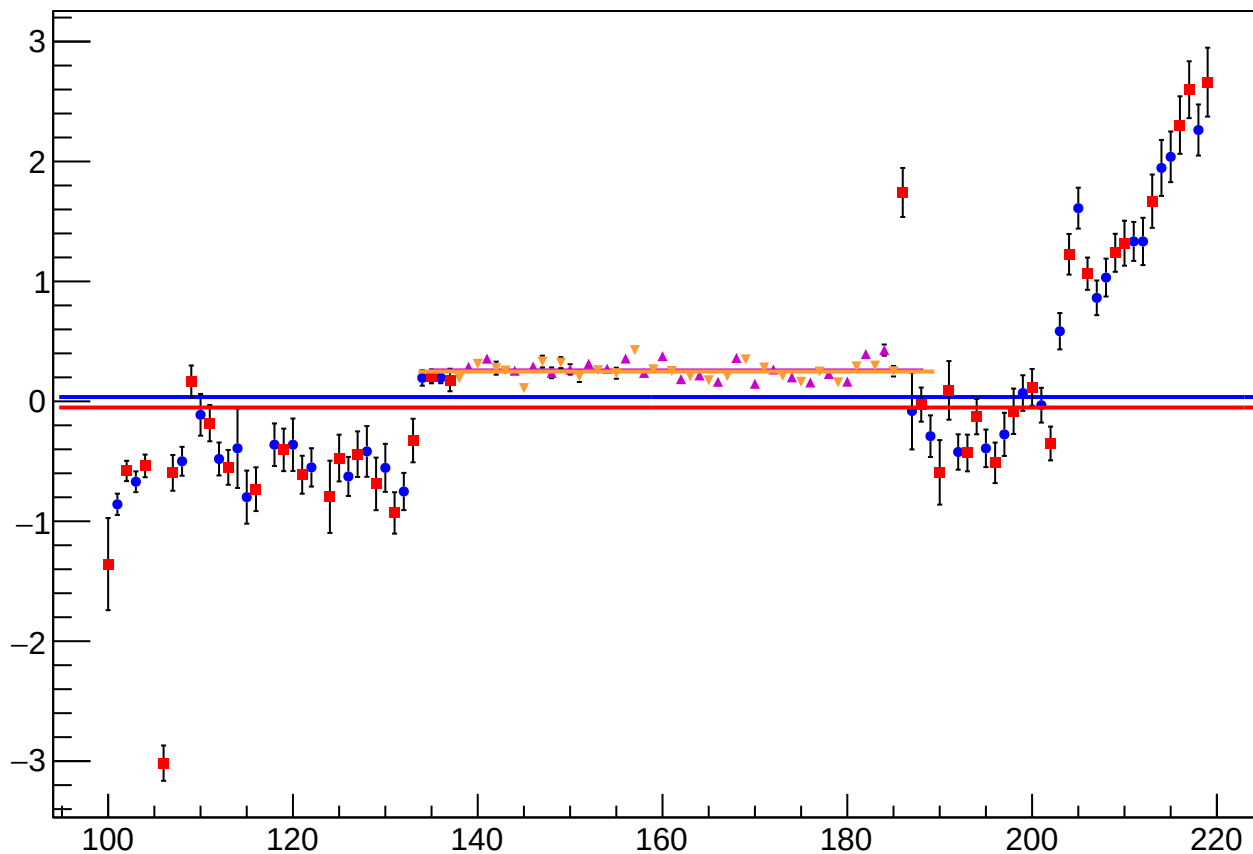
Left In: -20.555 ± 0.160 χ^2/NDF : 2193.8/22

+ sign -18.408 ± 0.146 χ^2/NDF : 4197.5/56

All: -18.524 ± 0.105 χ^2/NDF : 8894.1/116

- sign -18.648 ± 0.151 χ^2/NDF : 4695.3/59

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: 0.036 $\pm$ 0.023 χ^2 /NDF: 883.2/31

Left Out: 0.249 $\pm$ 0.007 χ^2 /NDF:93.2/24

Right Out: -0.051 $\pm$ 0.024 χ^2 /NDF: 1336.9/36

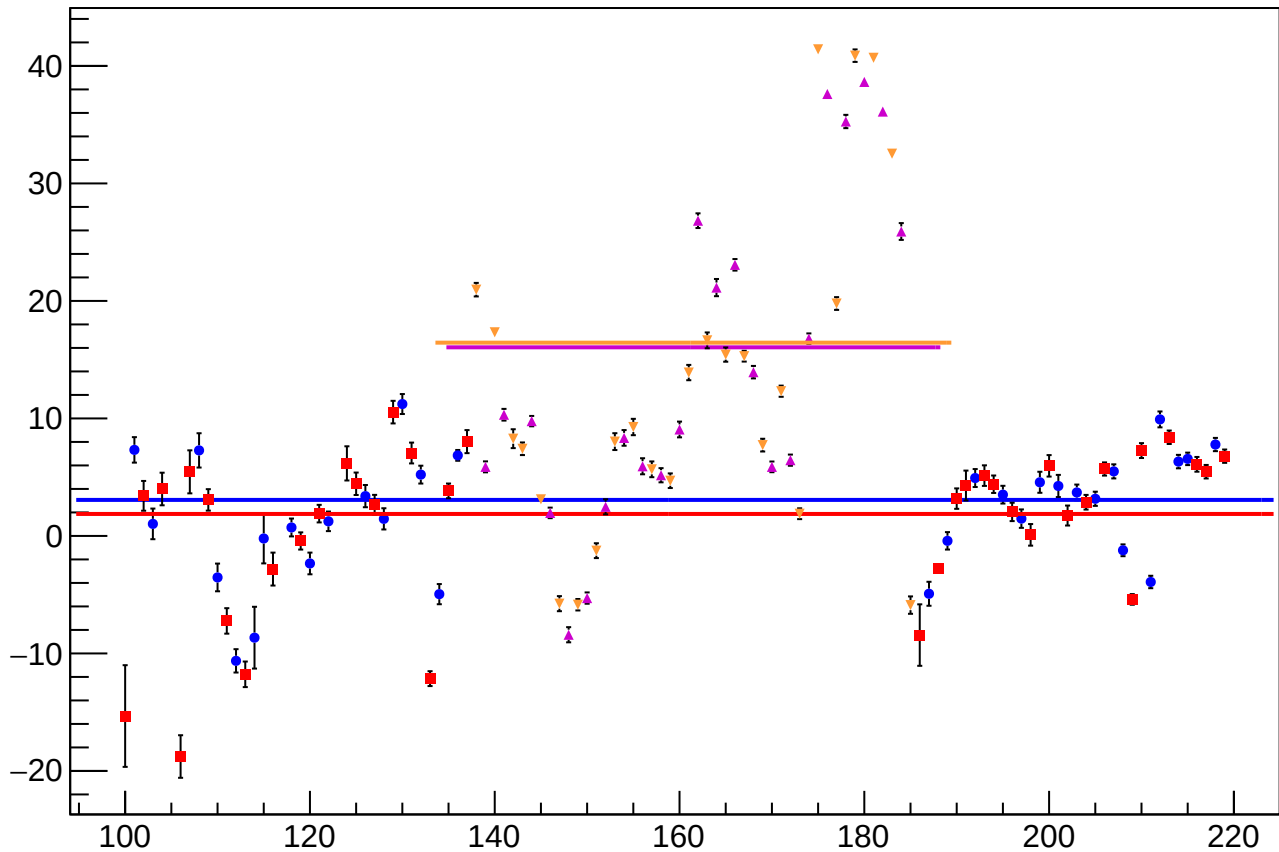
Left In: 0.258 $\pm$ 0.007 χ^2 /NDF:134.3/22

+ sign 0.230 $\pm$ 0.007 χ^2 /NDF: 1056.7/56

All: 0.231 $\pm$ 0.005 χ^2 /NDF: 2680.6/116

- sign 0.233 $\pm$ 0.007 χ^2 /NDF: 1623.8/59

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.066 $\pm$ 0.132 χ^2 /NDF: 1188.0/31

Left Out: 16.449 $\pm$ 0.104 χ^2 /NDF:21400.3/24

Right Out: 1.870 $\pm$ 0.126 χ^2 /NDF: 1967.3/36

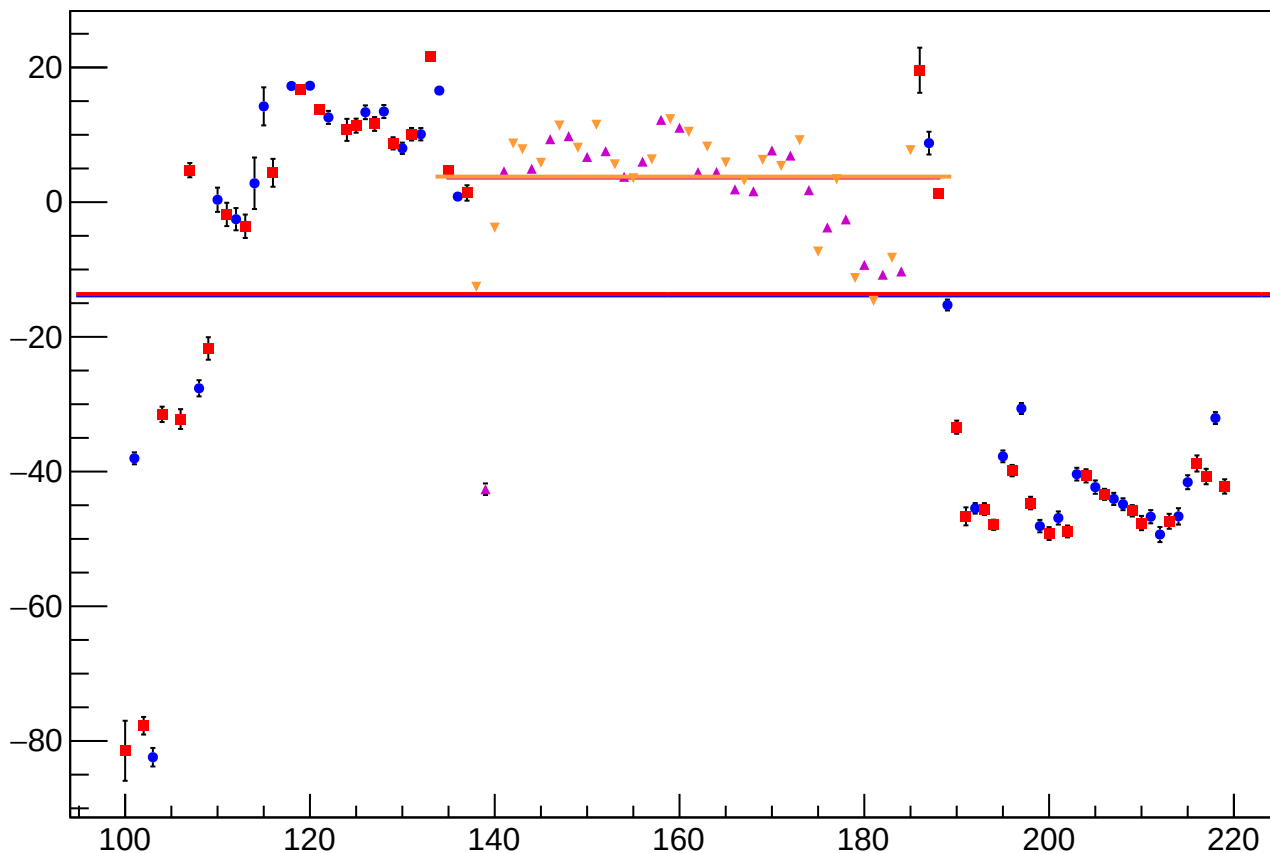
Left In: 16.051 $\pm$ 0.107 χ^2 /NDF:17625.1/22

+ sign 11.325 $\pm$ 0.082 χ^2 /NDF: 28926.7/56

All: 10.716 $\pm$ 0.058 χ^2 /NDF: 55961.5/116

- sign 10.106 $\pm$ 0.082 χ^2 /NDF: 26923.6/59

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -13.842 ± 0.157 χ^2/NDF : 31117.1/31

Left Out: 3.790 ± 0.080 χ^2/NDF : 9100.7/24

Right Out: -13.642 ± 0.151 χ^2/NDF : 36006.9/36

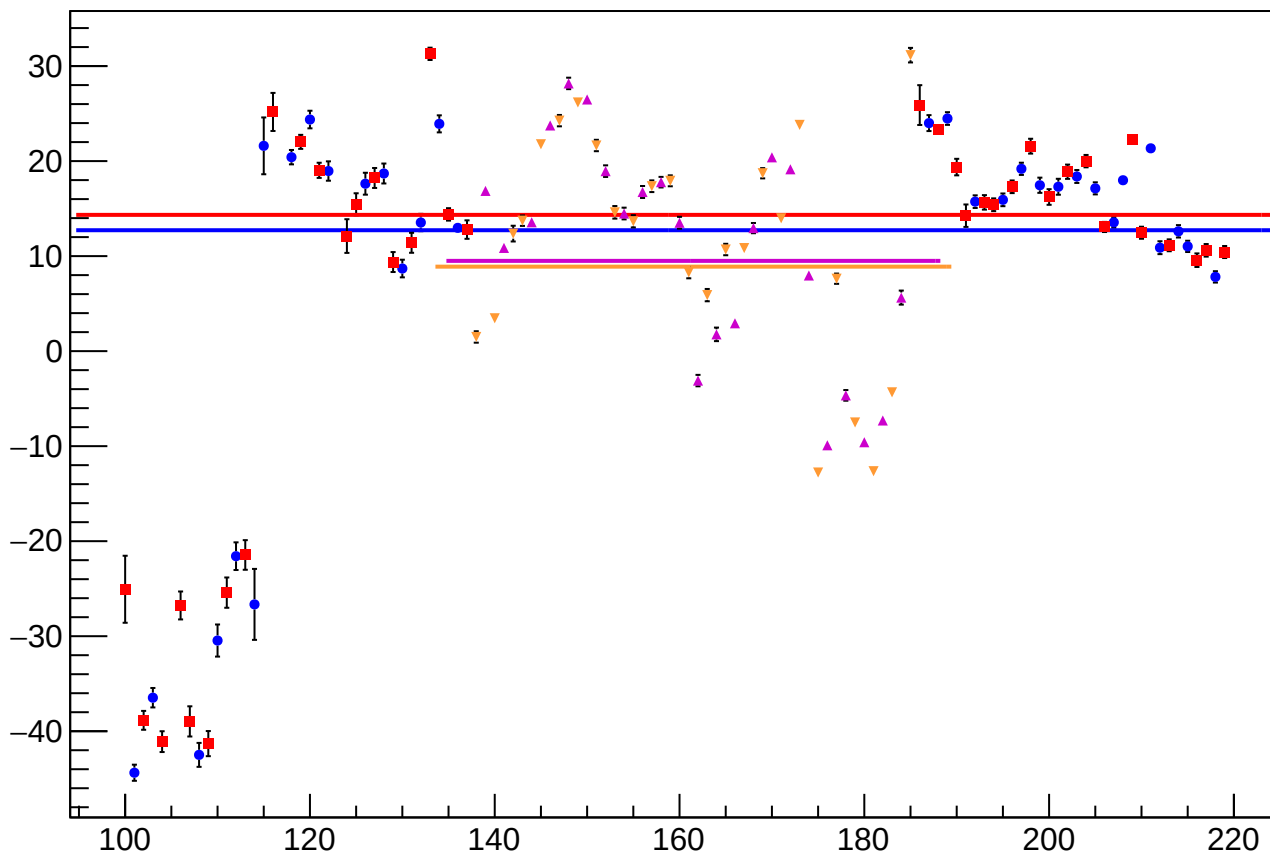
Left In: 3.649 ± 0.083 χ^2/NDF : 8310.7/22

+ sign 0.148 ± 0.071 χ^2/NDF : 50230.6/56

All: -0.102 ± 0.051 χ^2/NDF : 104649.4/116

- sign -0.362 ± 0.073 χ^2/NDF : 54393.8/59

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.725 $\pm$ 0.133 χ^2 /NDF: 11891.7/31

Left Out: 8.892 $\pm$ 0.104 χ^2 /NDF: 15428.1/24

Right Out: 14.341 $\pm$ 0.125 χ^2 /NDF: 12912.7/36

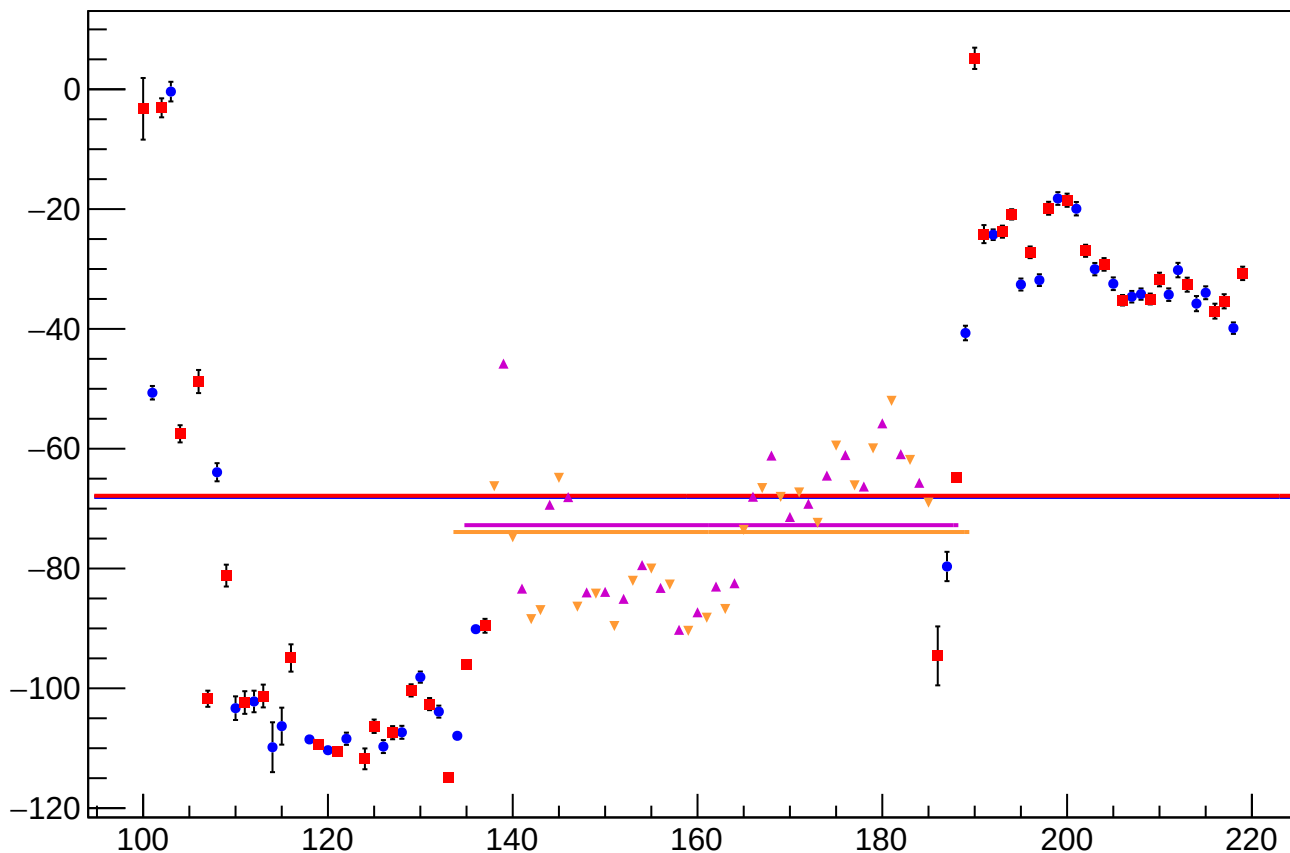
Left In: 9.500 $\pm$ 0.107 χ^2 /NDF: 13040.9/22

+ sign 10.345 $\pm$ 0.082 χ^2 /NDF: 27837.7/56

All: 10.944 $\pm$ 0.058 χ^2 /NDF: 54765.9/116

- sign 11.534 $\pm$ 0.081 χ^2 /NDF: 26821.6/59

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -68.053 ± 0.179 $\chi^2/\text{NDF}: 41191.2/31$

Left Out: -73.907 ± 0.090 $\chi^2/\text{NDF}: 15567.0/24$

Right Out: -67.856 ± 0.175 $\chi^2/\text{NDF}: 48612.2/36$

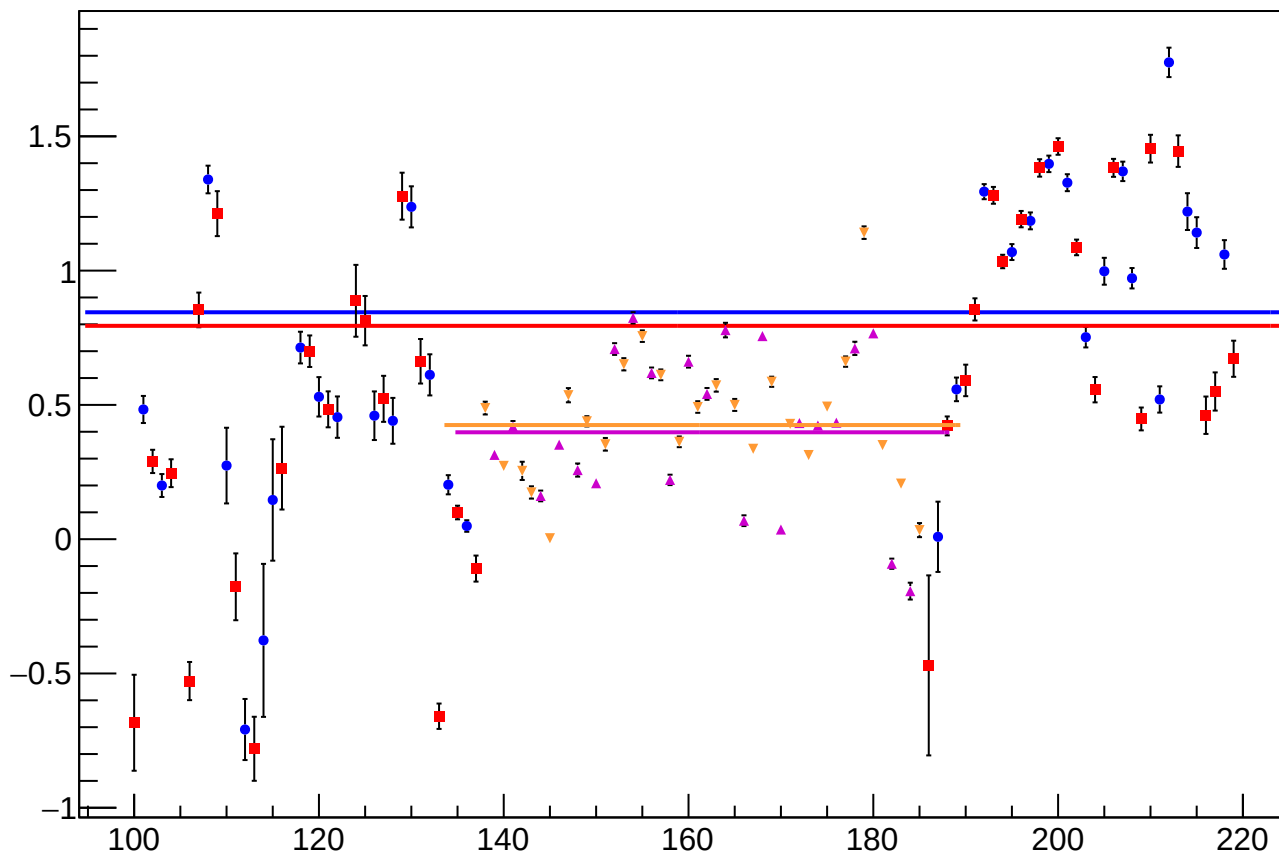
Left In: -72.763 ± 0.093 $\chi^2/\text{NDF}: 12612.6/22$

+ sign -72.718 ± 0.081 $\chi^2/\text{NDF}: 57608.7/56$

All: -72.206 ± 0.058 $\chi^2/\text{NDF}: 119528.5/116$

- sign -71.674 ± 0.082 $\chi^2/\text{NDF}: 61837.9/59$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.845 ± 0.008 χ^2/NDF : 4135.5/31

Left Out: 0.425 ± 0.004 χ^2/NDF : 3035.4/24

Right Out: 0.794 ± 0.008 χ^2/NDF : 5314.9/36

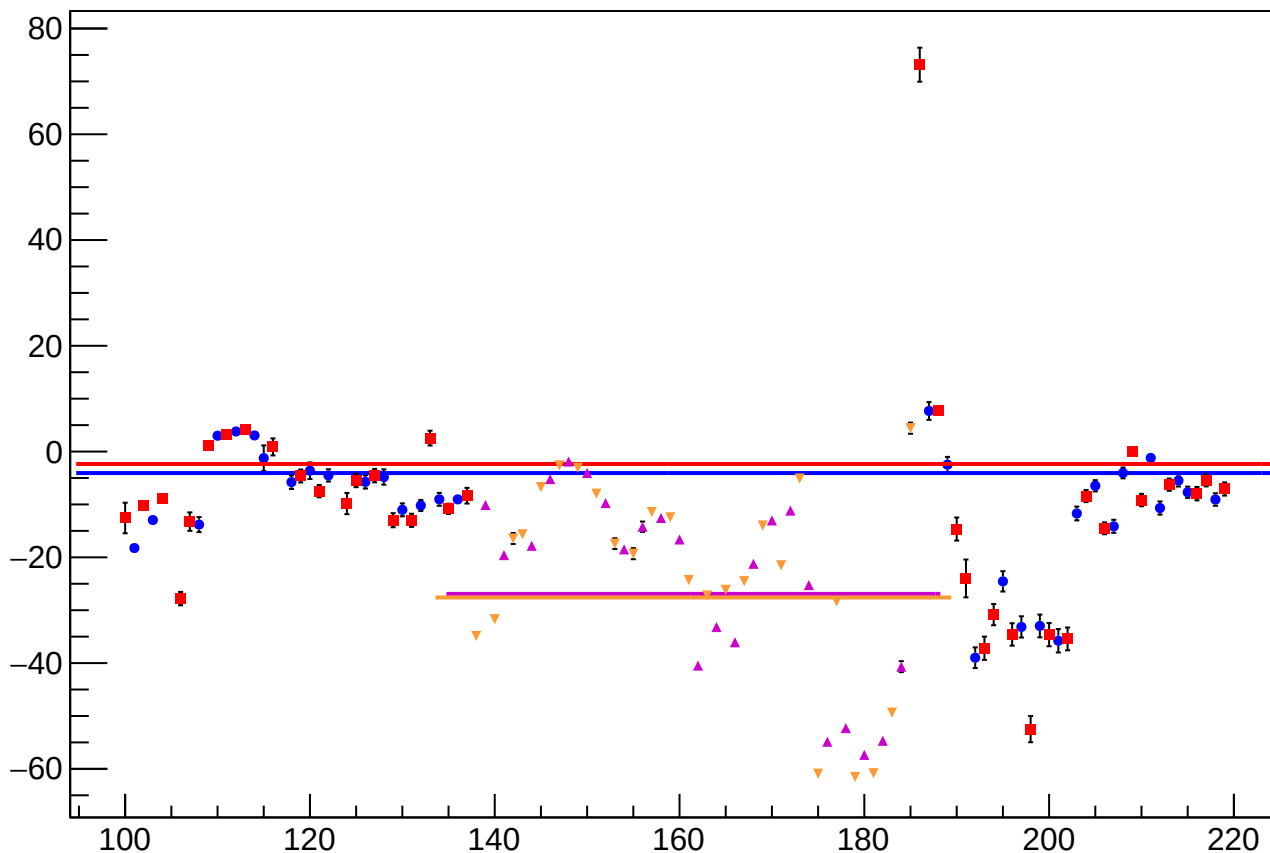
Left In: 0.398 ± 0.004 χ^2/NDF : 4271.0/22

+ sign 0.512 ± 0.004 χ^2/NDF : 9393.3/56

All: 0.499 ± 0.003 χ^2/NDF : 21072.3/116

- sign 0.487 ± 0.004 χ^2/NDF : 11655.1/59

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -4.065 ± 0.166 χ^2/NDF : 2841.8/31

Left Out: -27.594 ± 0.144 χ^2/NDF : 19761.6/24

Right Out: -2.348 ± 0.150 χ^2/NDF : 4120.2/36

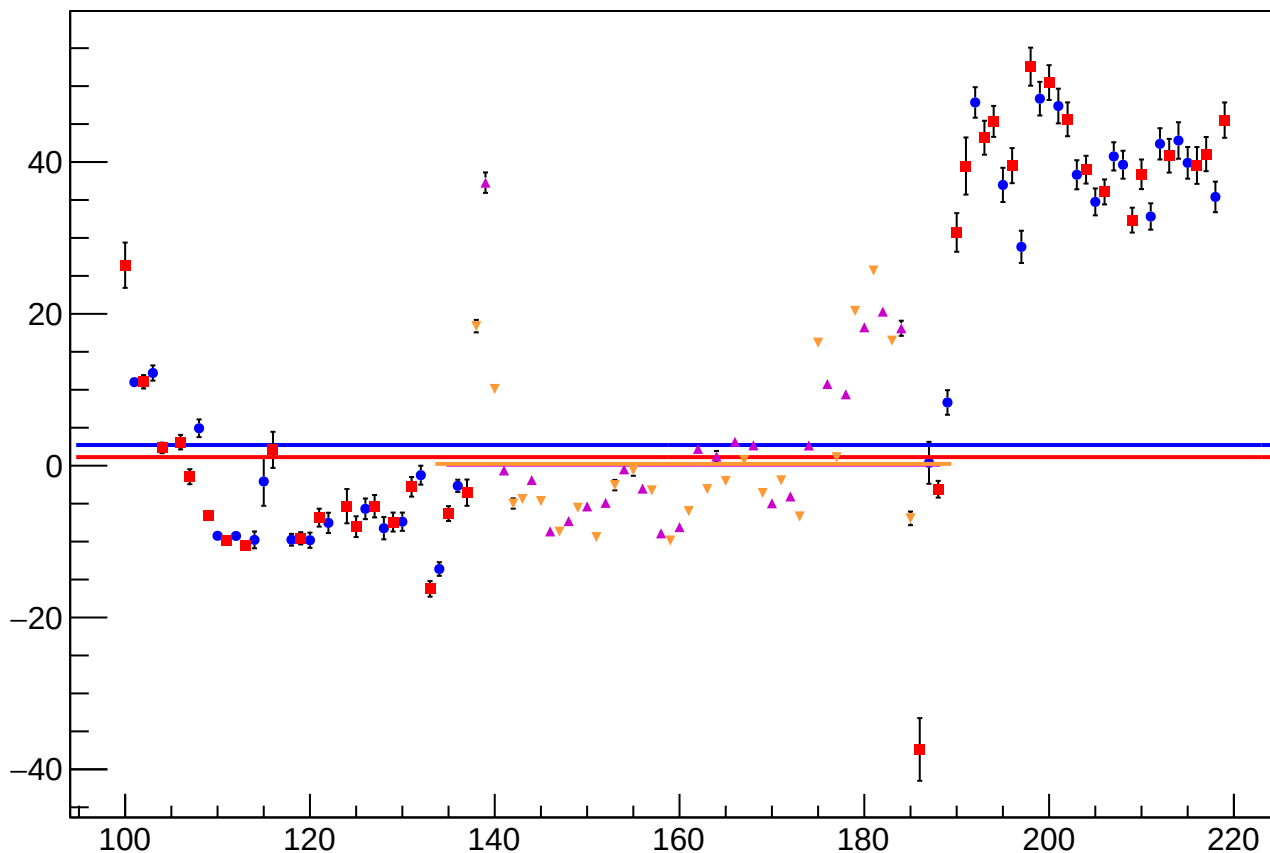
Left In: -26.918 ± 0.149 χ^2/NDF : 15536.6/22

+ sign -17.451 ± 0.109 χ^2/NDF : 34063.6/56

All: -16.056 ± 0.076 χ^2/NDF : 67485.1/116

- sign -14.735 ± 0.106 χ^2/NDF : 33101.9/59

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 2.720 ± 0.206 χ^2/NDF : 6988.0/31

Left Out: 0.238 ± 0.110 χ^2/NDF : 8035.6/24

Right Out: 1.127 ± 0.199 χ^2/NDF : 7381.2/36

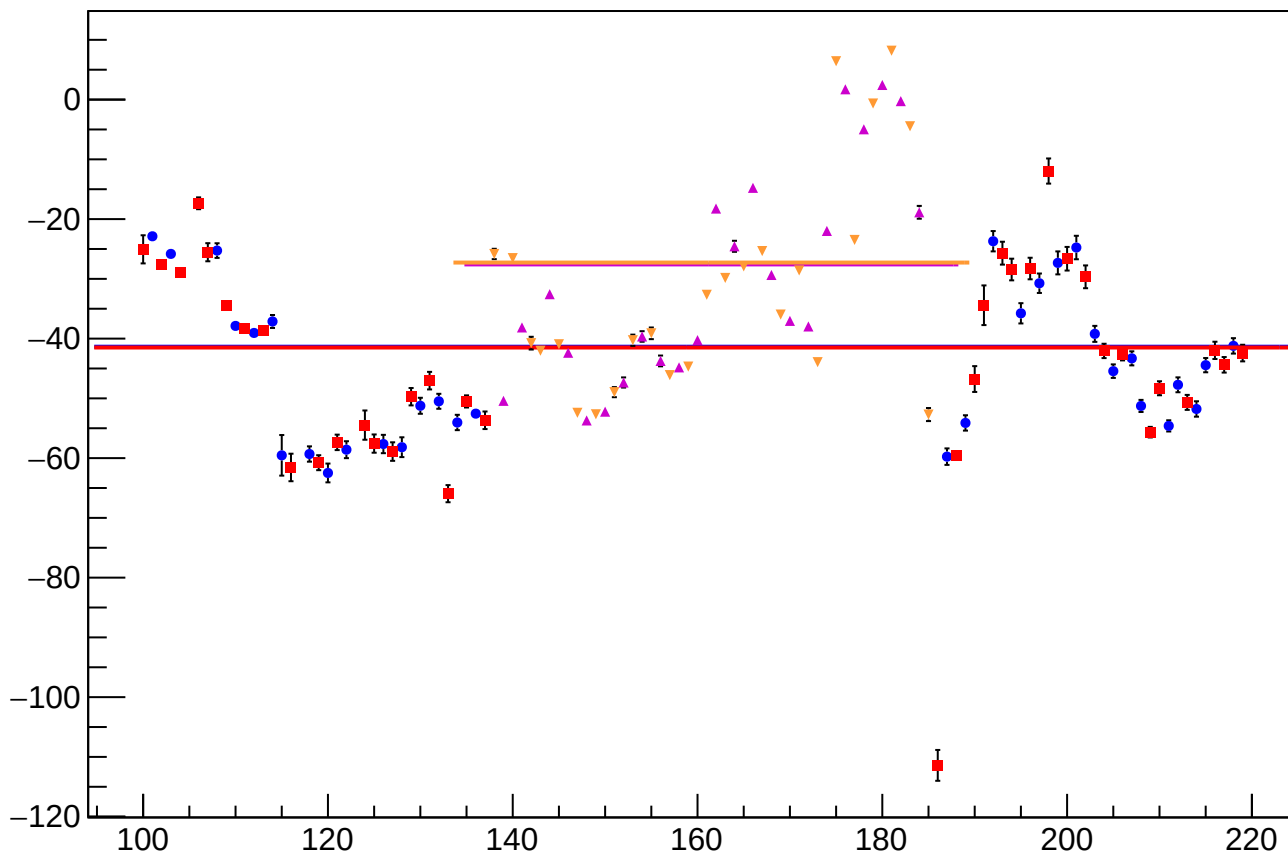
Left In: 0.131 ± 0.114 χ^2/NDF : 5837.4/22

+ sign 0.792 ± 0.097 χ^2/NDF : 15136.6/56

All: 0.590 ± 0.069 χ^2/NDF : 28382.8/116

- sign 0.379 ± 0.099 χ^2/NDF : 13237.3/59

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -41.354 ± 0.185 $\chi^2/\text{NDF}: 4004.9/31$

Left Out: -27.271 ± 0.144 $\chi^2/\text{NDF}: 18526.9/24$

Right Out: -41.489 ± 0.175 $\chi^2/\text{NDF}: 5358.5/36$

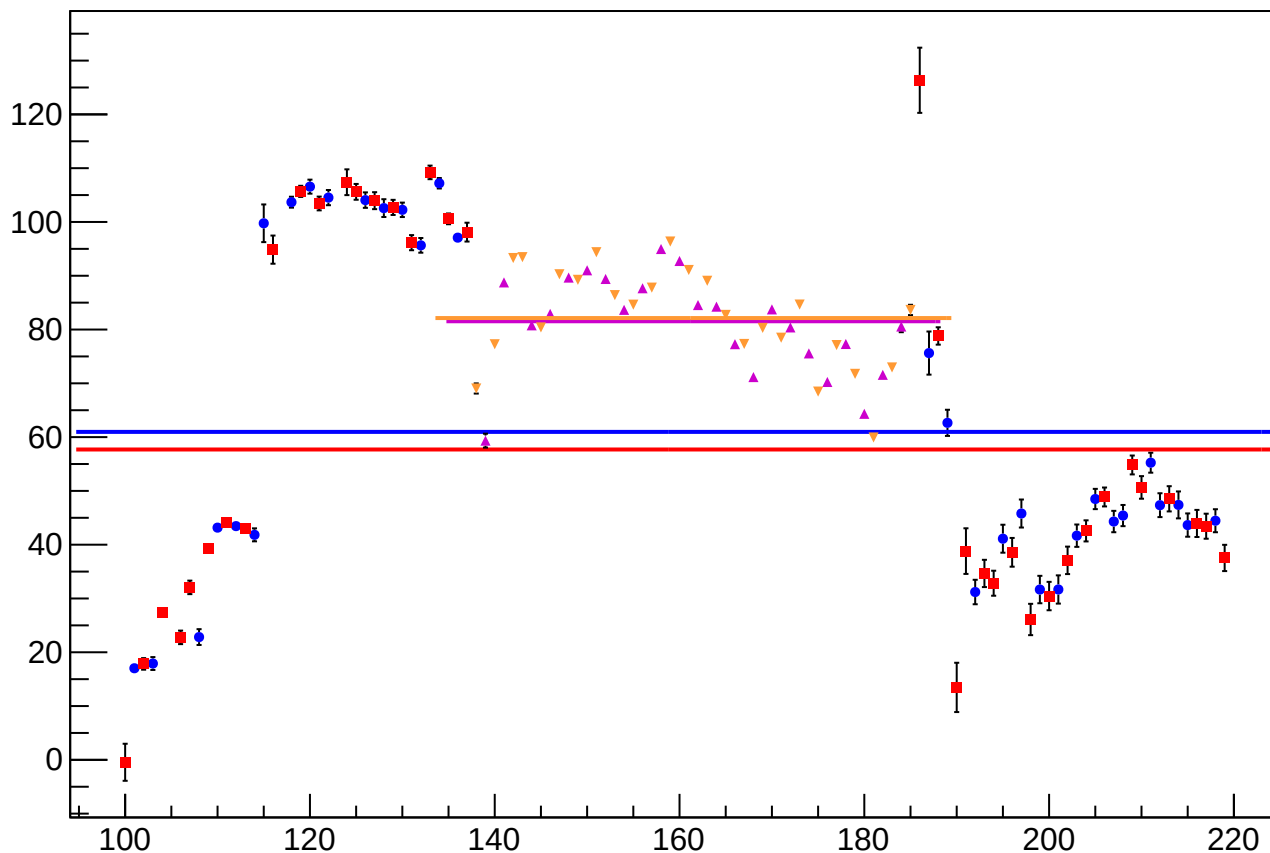
Left In: -27.583 ± 0.148 $\chi^2/\text{NDF}: 15648.7/22$

+ sign -32.569 ± 0.114 $\chi^2/\text{NDF}: 26135.6/56$

All: -32.980 ± 0.080 $\chi^2/\text{NDF}: 50843.3/116$

- sign -33.387 ± 0.113 $\chi^2/\text{NDF}: 24681.7/59$

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 60.972 ± 0.234 $\chi^2/\text{NDF}: 19750.5/31$

Left Out: 82.134 ± 0.125 $\chi^2/\text{NDF}: 5375.9/24$

Right Out: 57.700 ± 0.227 $\chi^2/\text{NDF}: 18702.6/36$

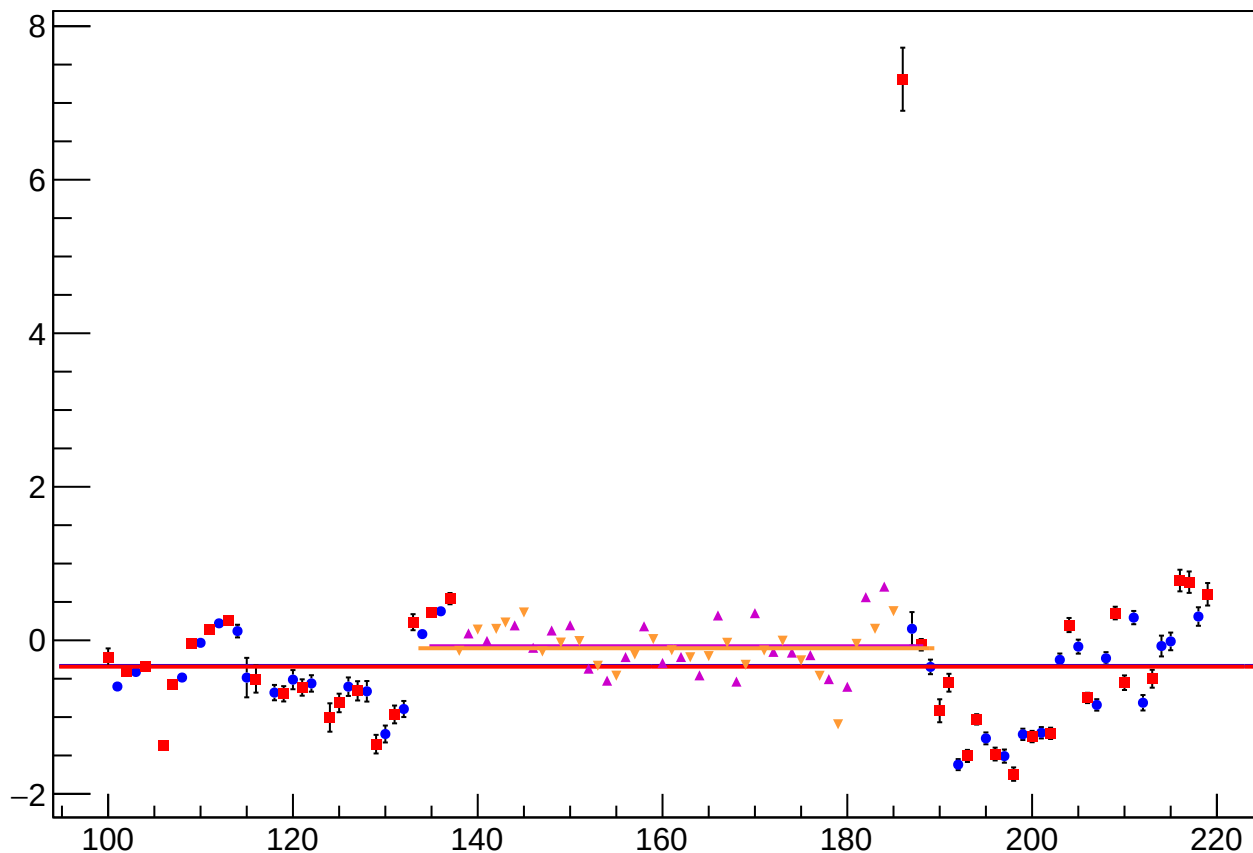
Left In: 81.539 ± 0.129 $\chi^2/\text{NDF}: 4043.0/22$

+ sign 77.461 ± 0.110 $\chi^2/\text{NDF}: 31480.0/56$

All: 76.608 ± 0.079 $\chi^2/\text{NDF}: 62683.8/116$

- sign 75.724 ± 0.112 $\chi^2/\text{NDF}: 31081.7/59$

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.334 ± 0.011 χ^2/NDF : 2147.1/31

Left Out: -0.103 ± 0.006 χ^2/NDF : 2408.2/24

Right Out: -0.343 ± 0.011 χ^2/NDF : 3215.1/36

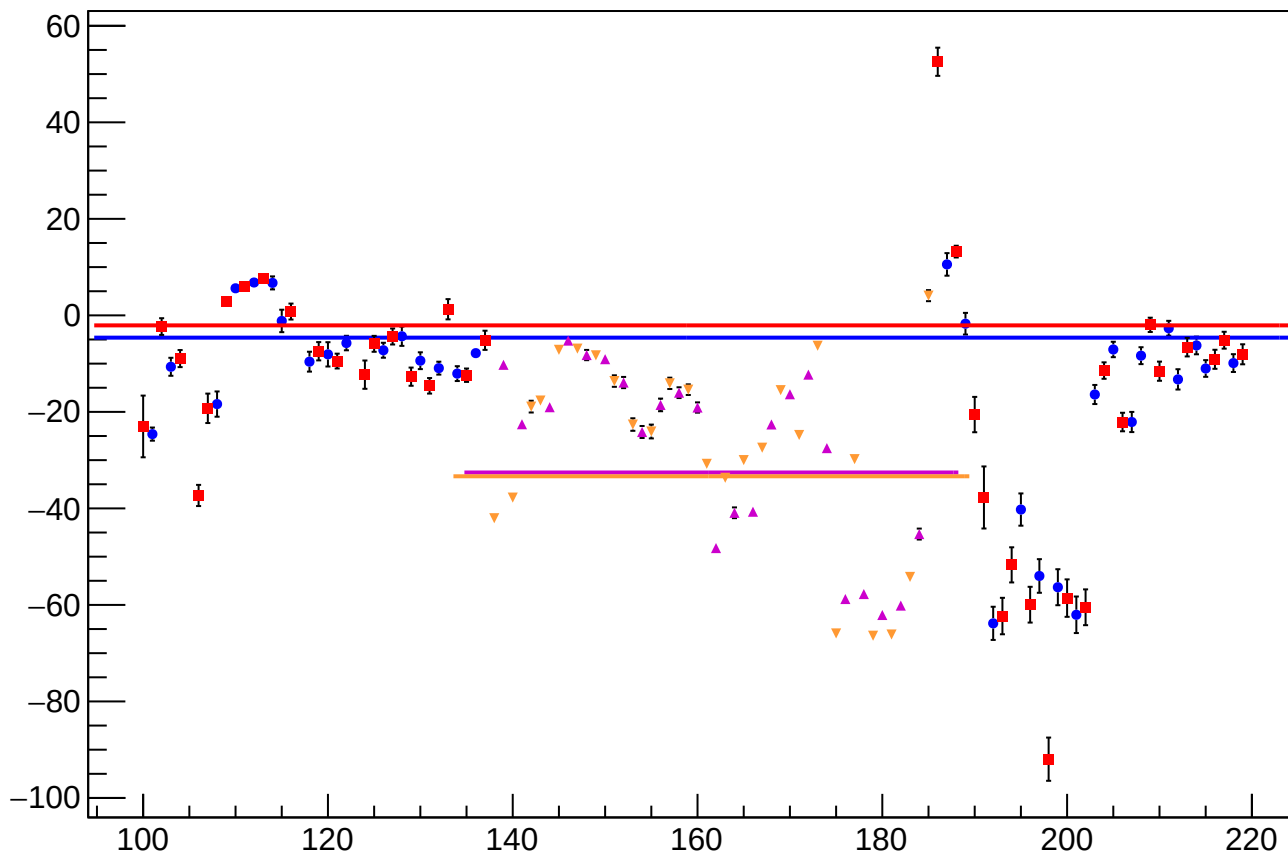
Left In: -0.077 ± 0.006 χ^2/NDF : 3320.8/22

+ sign -0.148 ± 0.005 χ^2/NDF : 4881.1/56

All: -0.140 ± 0.004 χ^2/NDF : 11874.8/116

- sign -0.133 ± 0.005 χ^2/NDF : 6989.6/59

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -4.616 ± 0.266 $\chi^2/\text{NDF}: 2223.1/31$

Left Out: -33.346 ± 0.165 $\chi^2/\text{NDF}: 17989.6/24$

Right Out: -2.074 ± 0.248 $\chi^2/\text{NDF}: 3290.1/36$

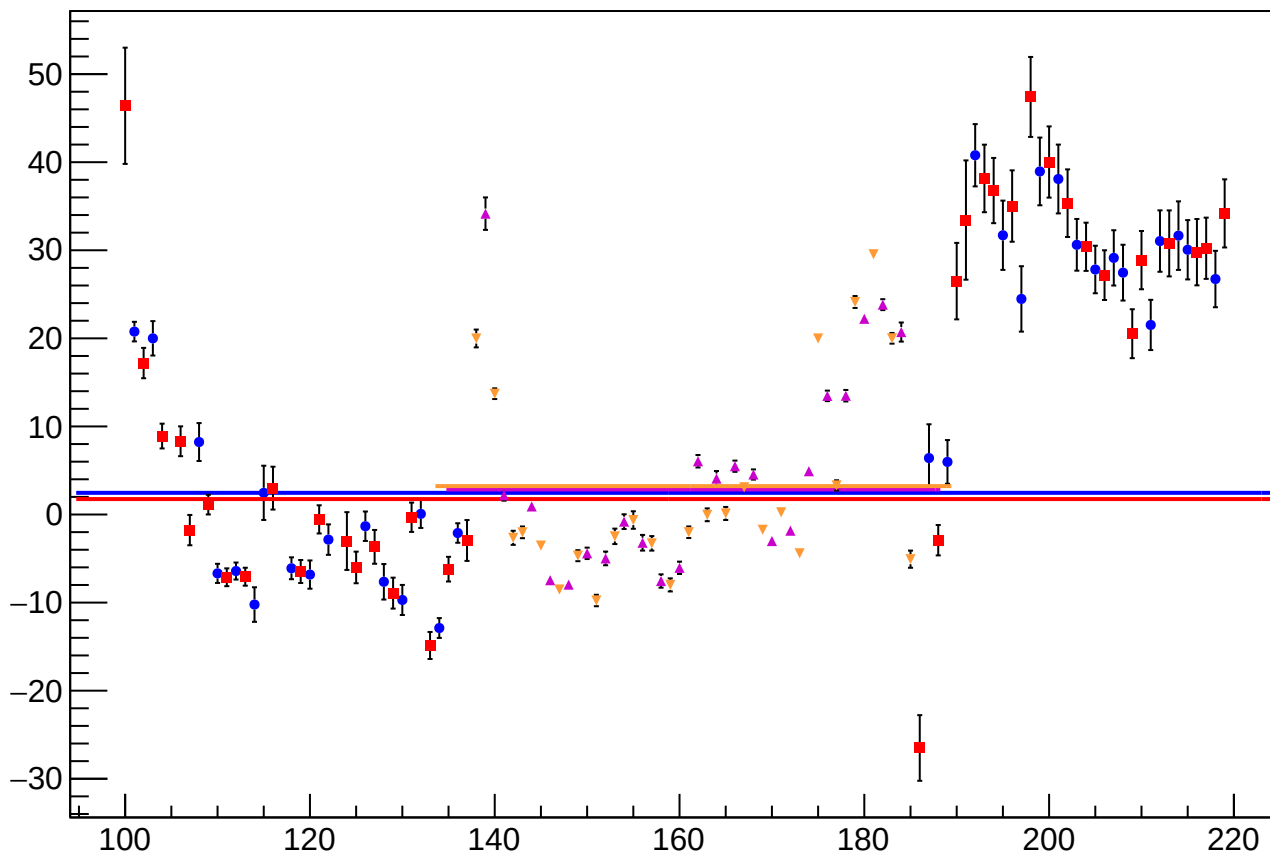
Left In: -32.559 ± 0.169 $\chi^2/\text{NDF}: 13896.0/22$

+ sign -25.407 ± 0.140 $\chi^2/\text{NDF}: 28630.5/56$

All: -24.125 ± 0.099 $\chi^2/\text{NDF}: 56299.8/116$

- sign -22.845 ± 0.140 $\chi^2/\text{NDF}: 27501.8/59$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 2.461 ± 0.327 χ^2/NDF : 1924.2/31

Left Out: 3.224 ± 0.128 χ^2/NDF : 7675.6/24

Right Out: 1.753 ± 0.323 χ^2/NDF : 1776.6/36

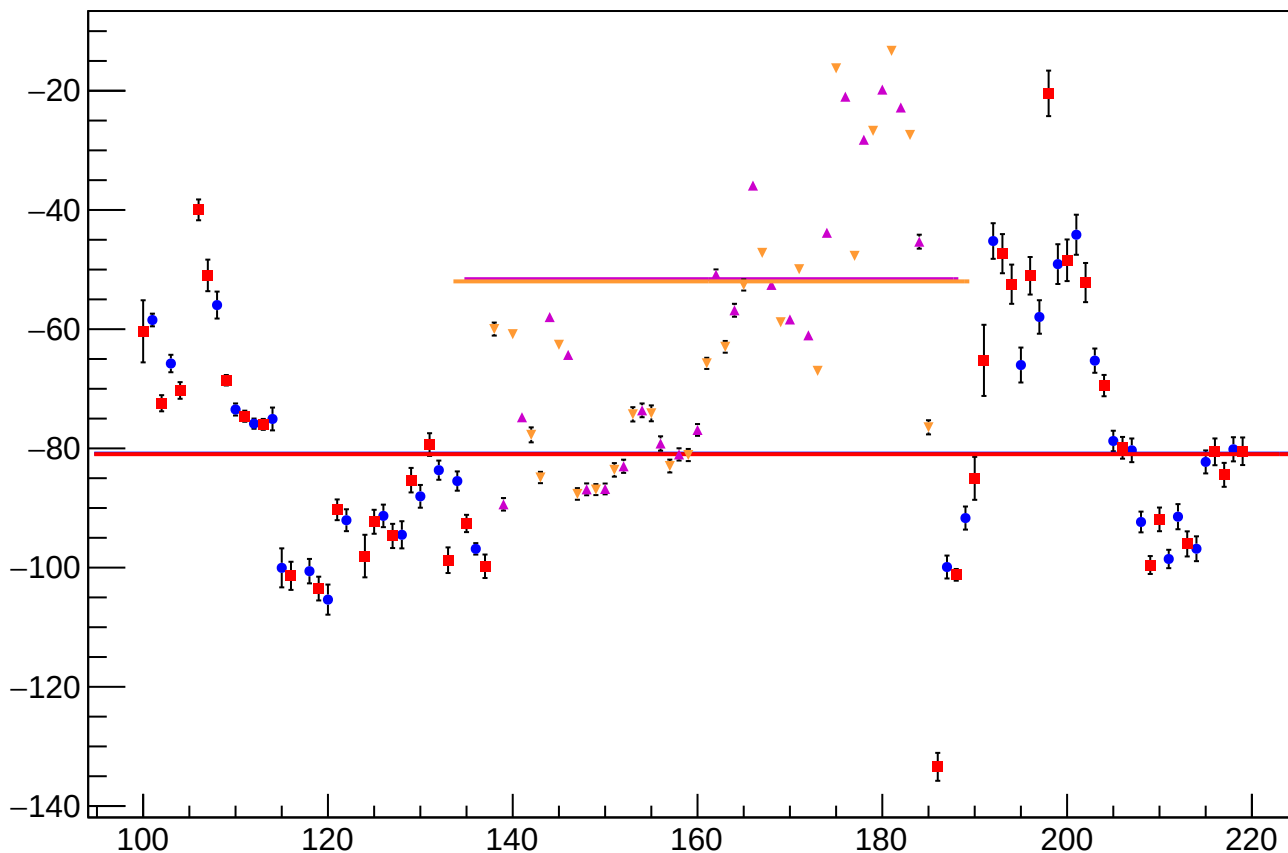
Left In: 2.845 ± 0.131 χ^2/NDF : 5455.5/22

+ sign 3.122 ± 0.119 χ^2/NDF : 9604.5/56

All: 2.911 ± 0.085 χ^2/NDF : 16852.8/116

- sign 2.691 ± 0.122 χ^2/NDF : 7241.9/59

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.882 $\pm$ 0.299 χ^2 /NDF: 2285.8/31

Left Out: -51.982 $\pm$ 0.165 χ^2 /NDF:20887.7/24

Right Out: -80.969 $\pm$ 0.288 χ^2 /NDF: 3527.0/36

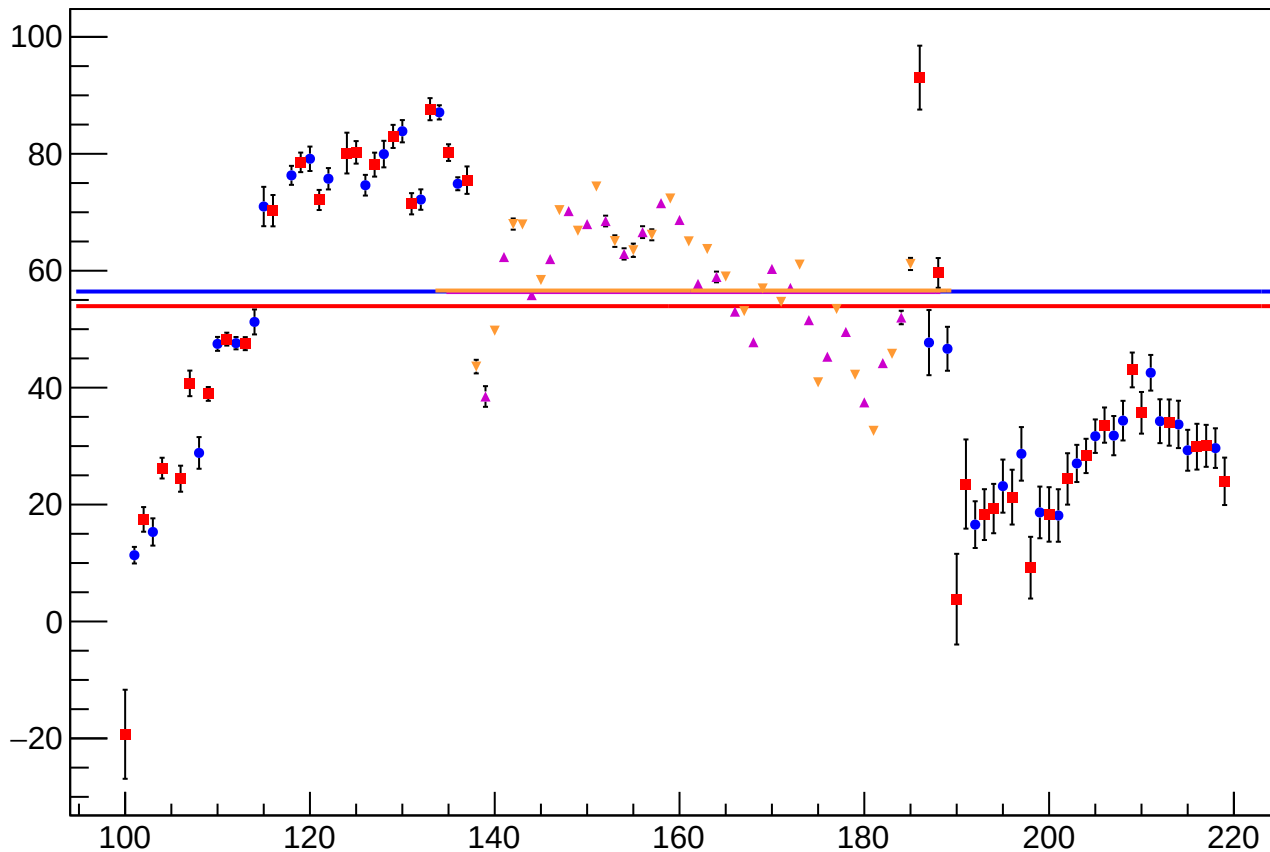
Left In: -51.612 $\pm$ 0.169 χ^2 /NDF:17624.2/22

+ sign -58.702 $\pm$ 0.144 χ^2 /NDF: 30322.6/56

All: -58.908 $\pm$ 0.103 χ^2 /NDF: 59187.8/116

- sign -59.119 $\pm$ 0.146 χ^2 /NDF: 28861.1/59

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 56.442 $\pm$ 0.368 χ^2 /NDF: 4178.2/31

Left Out: 56.612 $\pm$ 0.144 χ^2 /NDF: 5666.2/24

Right Out: 53.940 $\pm$ 0.367 χ^2 /NDF: 3661.1/36

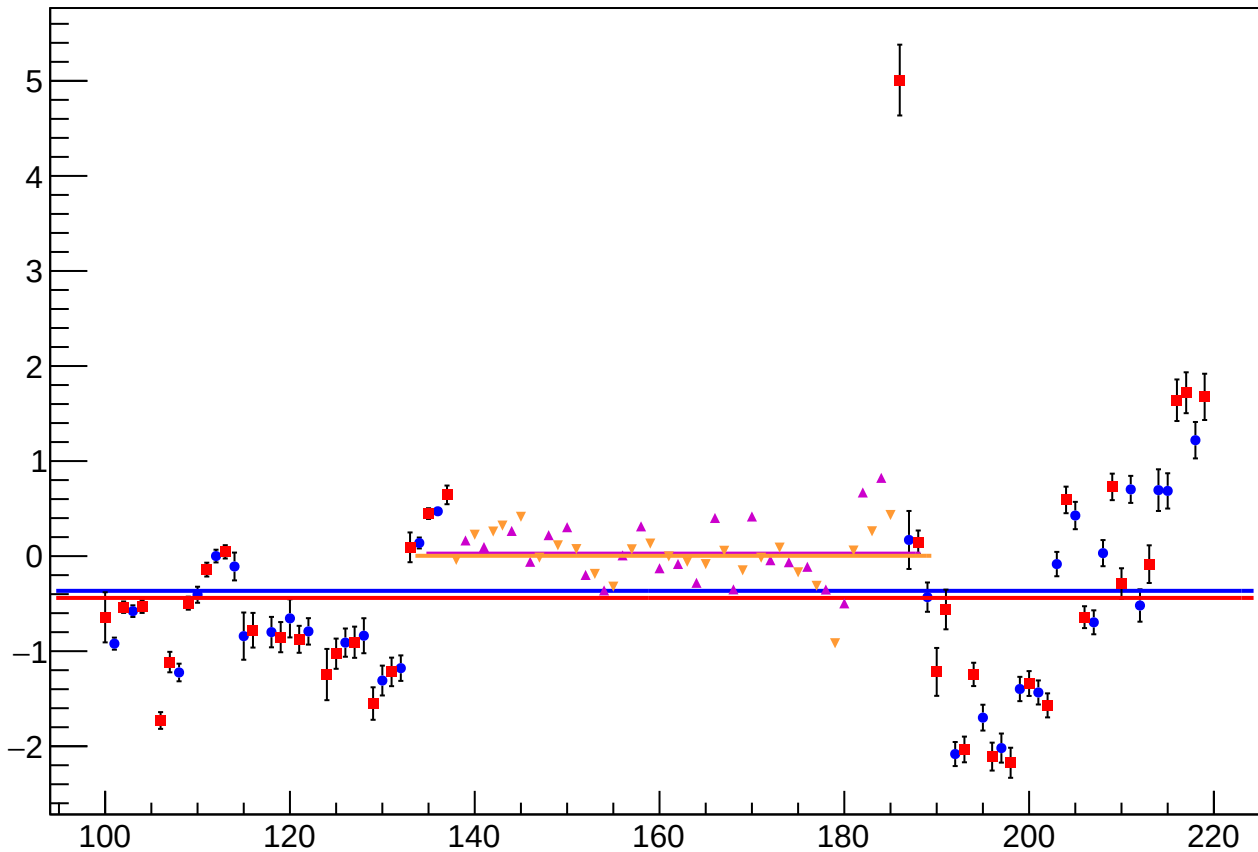
Left In: 56.348 $\pm$ 0.147 χ^2 /NDF: 3968.7/22

+ sign 56.590 $\pm$ 0.134 χ^2 /NDF: 9844.5/56

All: 56.307 $\pm$ 0.096 χ^2 /NDF: 17520.6/116

- sign 56.012 $\pm$ 0.137 χ^2 /NDF: 7667.0/59

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.365 ± 0.019 χ^2/NDF : 1511.8/31

Left Out: 0.004 ± 0.006 χ^2/NDF : 1701.0/24

Right Out: -0.440 ± 0.019 χ^2/NDF : 2028.8/36

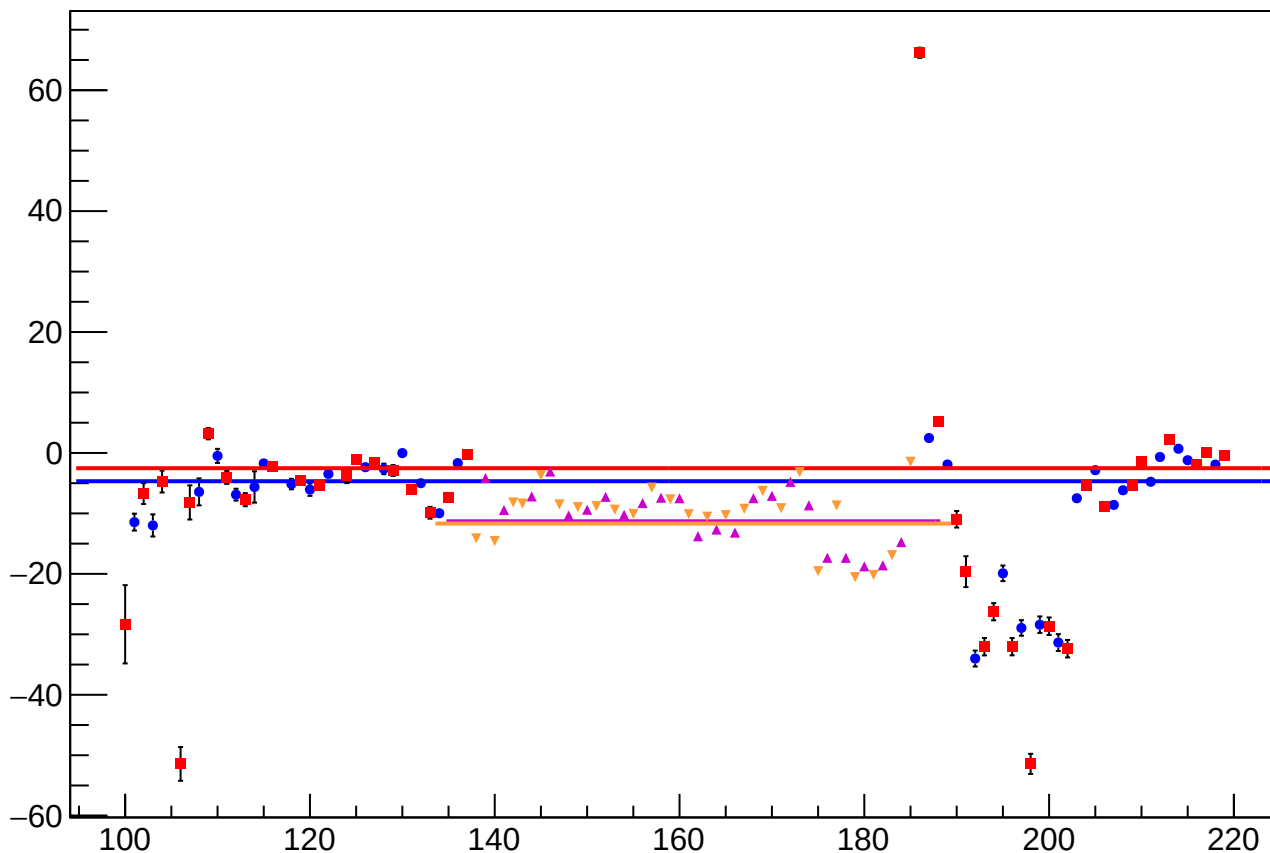
Left In: 0.026 ± 0.007 χ^2/NDF : 2349.0/22

+ sign -0.036 ± 0.006 χ^2/NDF : 3560.2/56

All: -0.030 ± 0.004 χ^2/NDF : 8486.4/116

- sign -0.025 ± 0.006 χ^2/NDF : 4924.6/59

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.677 ± 0.137 χ^2/NDF : 2195.0/31

Left Out: -11.680 ± 0.053 χ^2/NDF : 12602.3/24

Right Out: -2.521 ± 0.138 χ^2/NDF : 10596.3/36

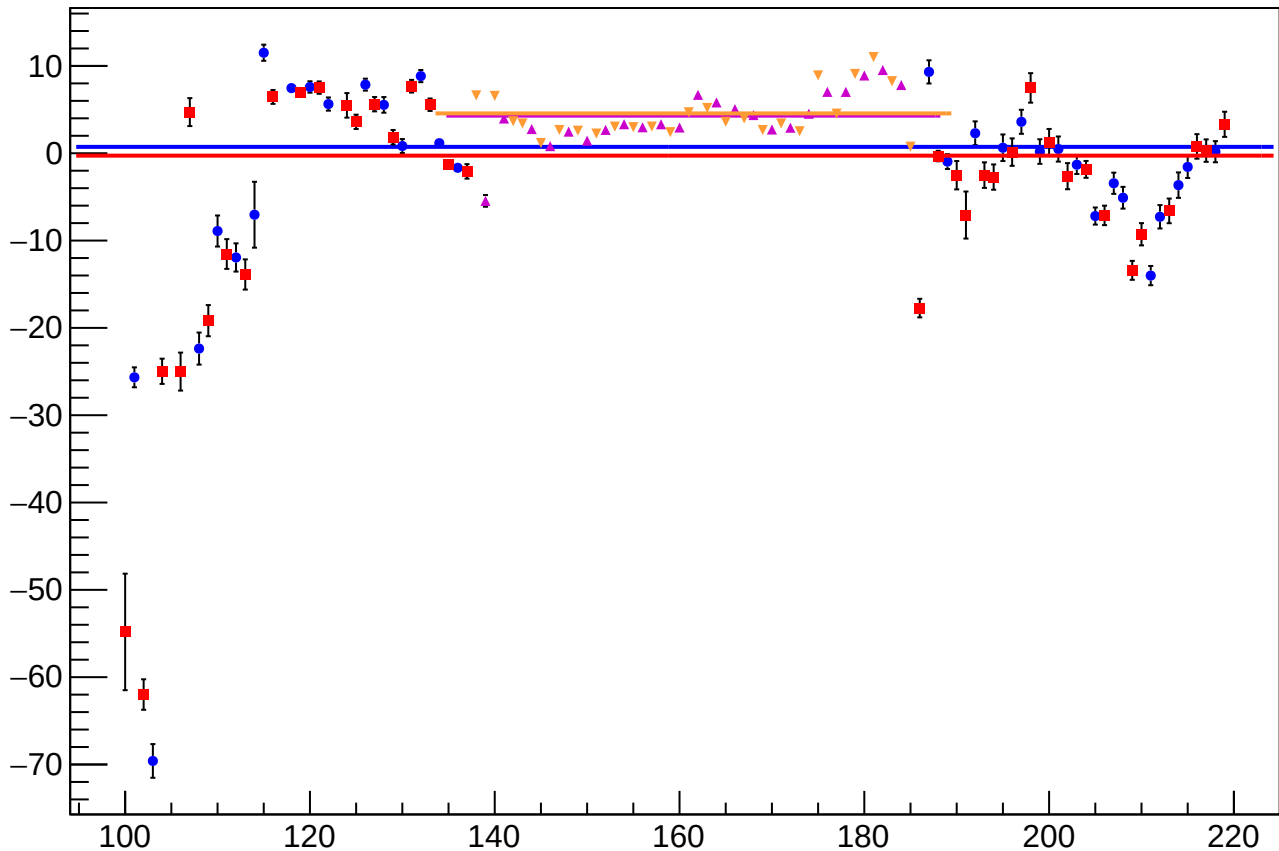
Left In: -11.301 ± 0.054 χ^2/NDF : 9229.2/22

+ sign -10.773 ± 0.049 χ^2/NDF : 17087.4/56

All: -10.462 ± 0.035 χ^2/NDF : 40509.5/116

- sign -10.135 ± 0.050 χ^2/NDF : 23339.6/59

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.731 ± 0.160 χ^2/NDF : 3257.9/31

Left Out: 4.564 ± 0.041 χ^2/NDF : 4356.3/24

Right Out: -0.275 ± 0.168 χ^2/NDF : 3206.3/36

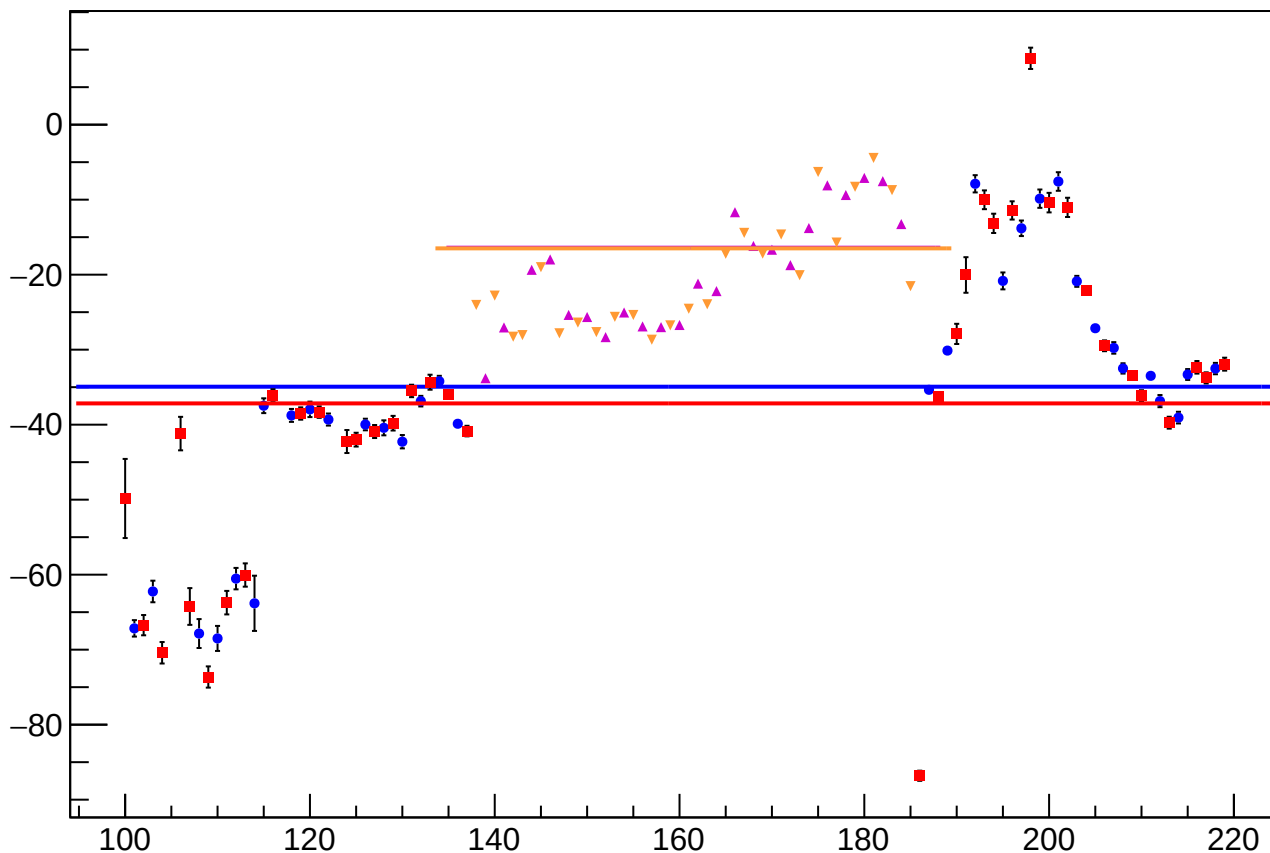
Left In: 4.308 ± 0.042 χ^2/NDF : 3609.0/22

+ sign 4.325 ± 0.040 χ^2/NDF : 8149.1/56

All: 4.184 ± 0.029 χ^2/NDF : 15686.9/116

- sign 4.038 ± 0.041 χ^2/NDF : 7512.7/59

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -34.938 ± 0.142 χ^2/NDF : 5438.4/31

Left Out: -16.492 ± 0.053 χ^2/NDF : 21982.6/24

Right Out: -37.165 ± 0.142 χ^2/NDF : 11920.5/36

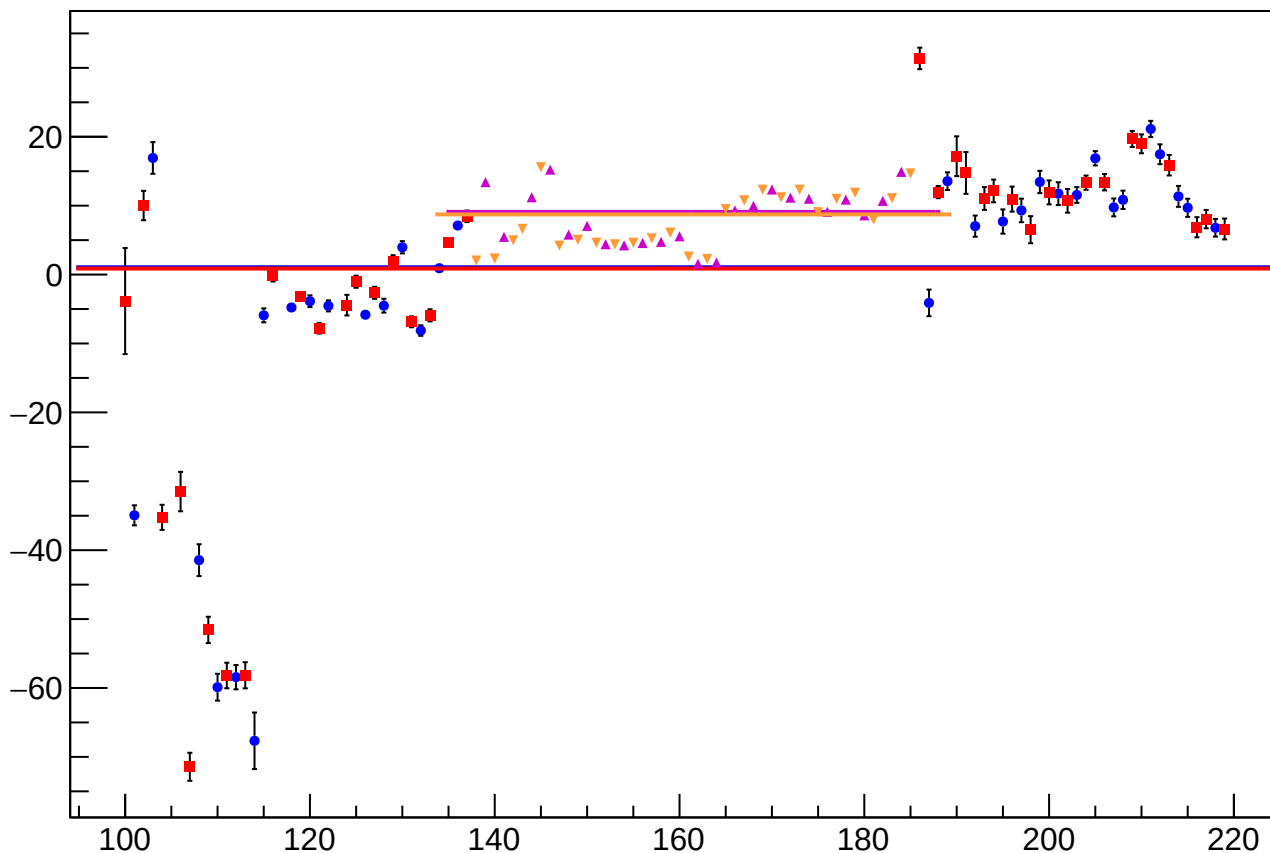
Left In: -16.403 ± 0.054 χ^2/NDF : 18032.3/22

+ sign -18.726 ± 0.049 χ^2/NDF : 42207.0/56

All: -18.866 ± 0.035 χ^2/NDF : 90805.0/116

- sign -19.011 ± 0.050 χ^2/NDF : 48581.6/59

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 1.059 $\pm$ 0.179 χ^2 /NDF: 5286.1/31

Left Out: 8.735 $\pm$ 0.046 χ^2 /NDF: 6875.5/24

Right Out: 0.877 $\pm$ 0.191 χ^2 /NDF: 6666.7/36

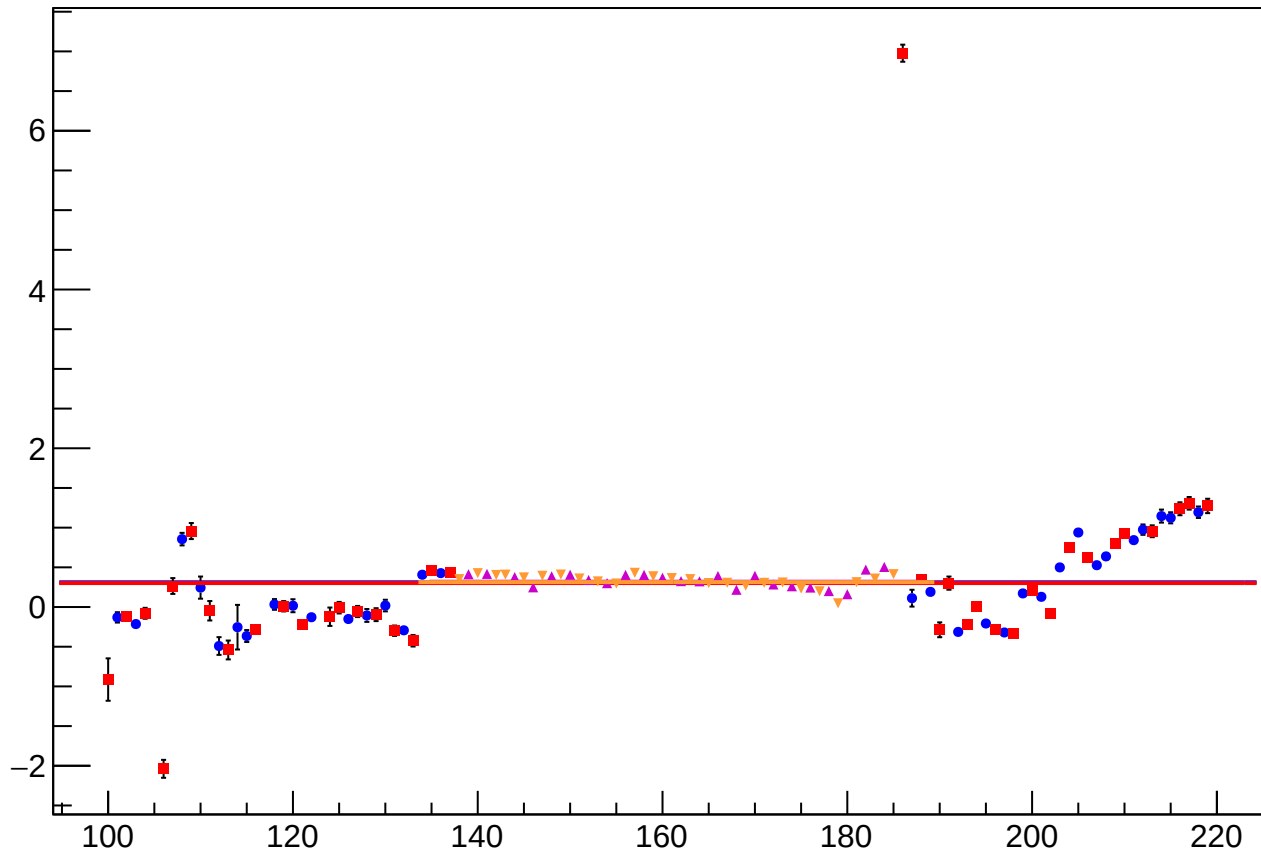
Left In: 9.096 $\pm$ 0.047 χ^2 /NDF: 5739.5/22

+ sign 8.257 $\pm$ 0.045 χ^2 /NDF: 13881.1/56

All: 8.437 $\pm$ 0.032 χ^2 /NDF: 28061.6/116

- sign 8.626 $\pm$ 0.046 χ^2 /NDF: 14147.1/59

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.312 $\pm$ 0.009 χ^2 /NDF: 1864.3/31

Left Out: 0.314 $\pm$ 0.002 χ^2 /NDF: 1602.1/24

Right Out: 0.302 $\pm$ 0.010 χ^2 /NDF: 6273.3/36

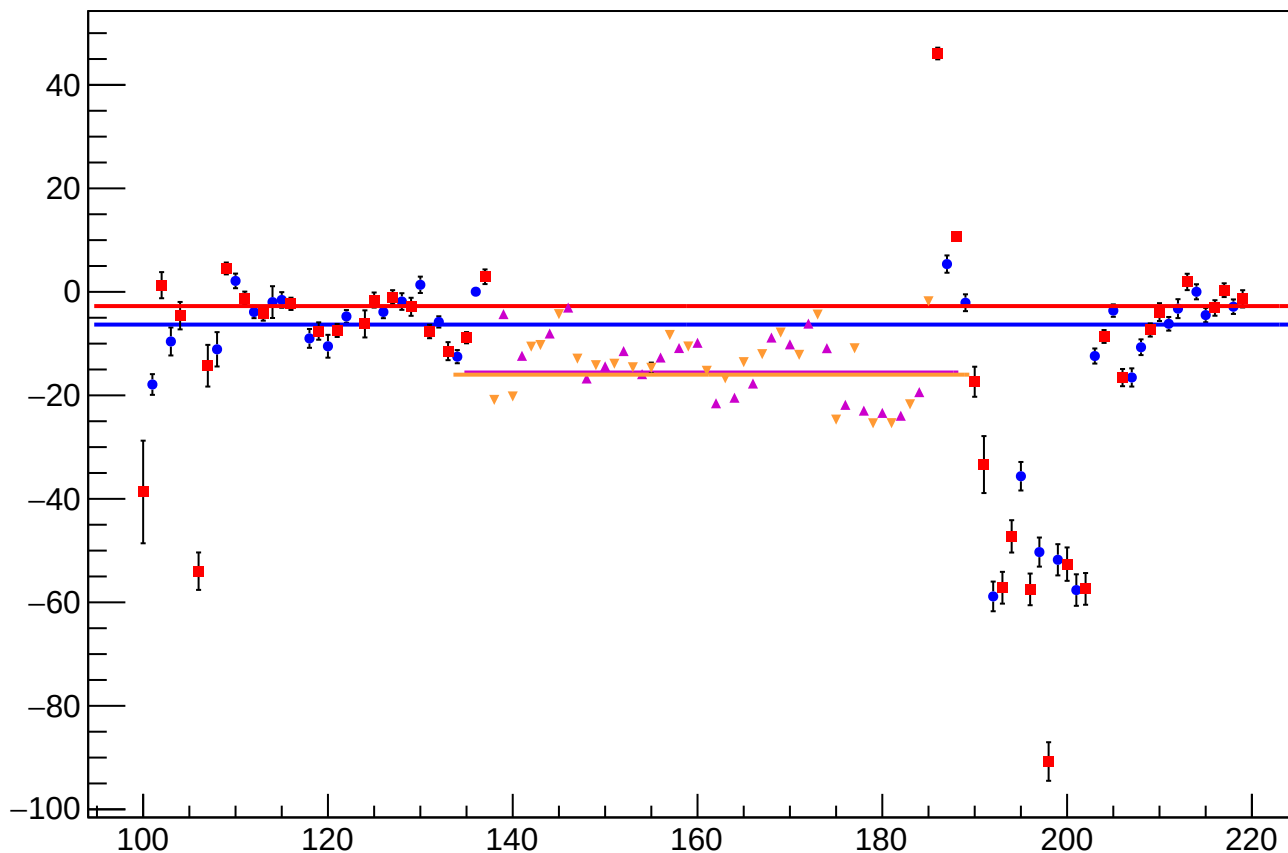
Left In: 0.319 $\pm$ 0.002 χ^2 /NDF: 1787.8/22

+ sign 0.314 $\pm$ 0.002 χ^2 /NDF: 3466.4/56

All: 0.316 $\pm$ 0.001 χ^2 /NDF: 11532.4/116

- sign 0.318 $\pm$ 0.002 χ^2 /NDF: 8064.0/59

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -6.322 ± 0.267 $\chi^2/\text{NDF}: 1589.8/31$

Left Out: -16.000 ± 0.099 $\chi^2/\text{NDF}: 5962.8/24$

Right Out: -2.746 ± 0.264 $\chi^2/\text{NDF}: 4595.0/36$

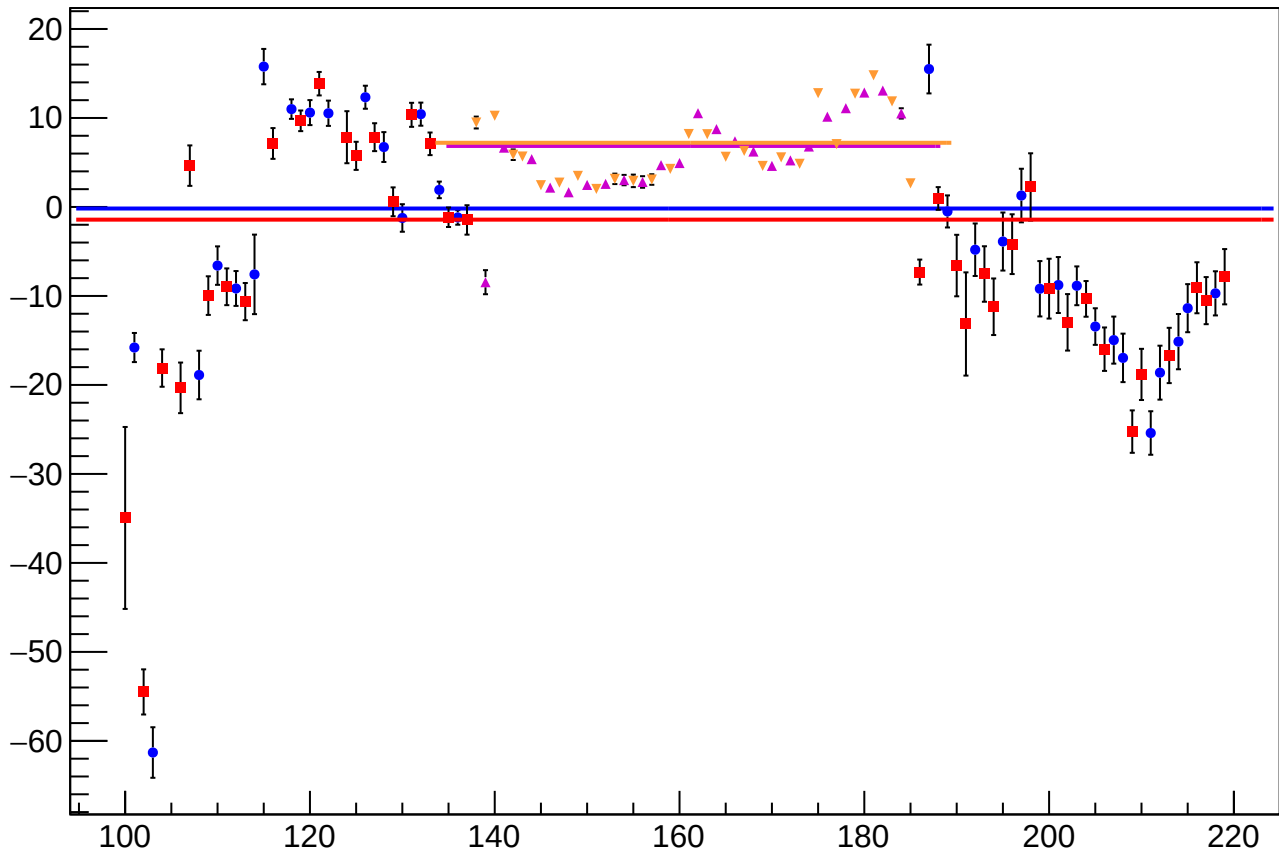
Left In: -15.582 ± 0.102 $\chi^2/\text{NDF}: 4759.9/22$

+ sign -14.826 ± 0.093 $\chi^2/\text{NDF}: 8702.9/56$

All: -14.382 ± 0.067 $\chi^2/\text{NDF}: 20158.0/116$

- sign -13.918 ± 0.095 $\chi^2/\text{NDF}: 11408.5/59$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -0.175 ± 0.313 χ^2/NDF : 1479.6/31

Left Out: 7.212 ± 0.080 χ^2/NDF : 2455.9/24

Right Out: -1.425 ± 0.321 χ^2/NDF : 1349.8/36

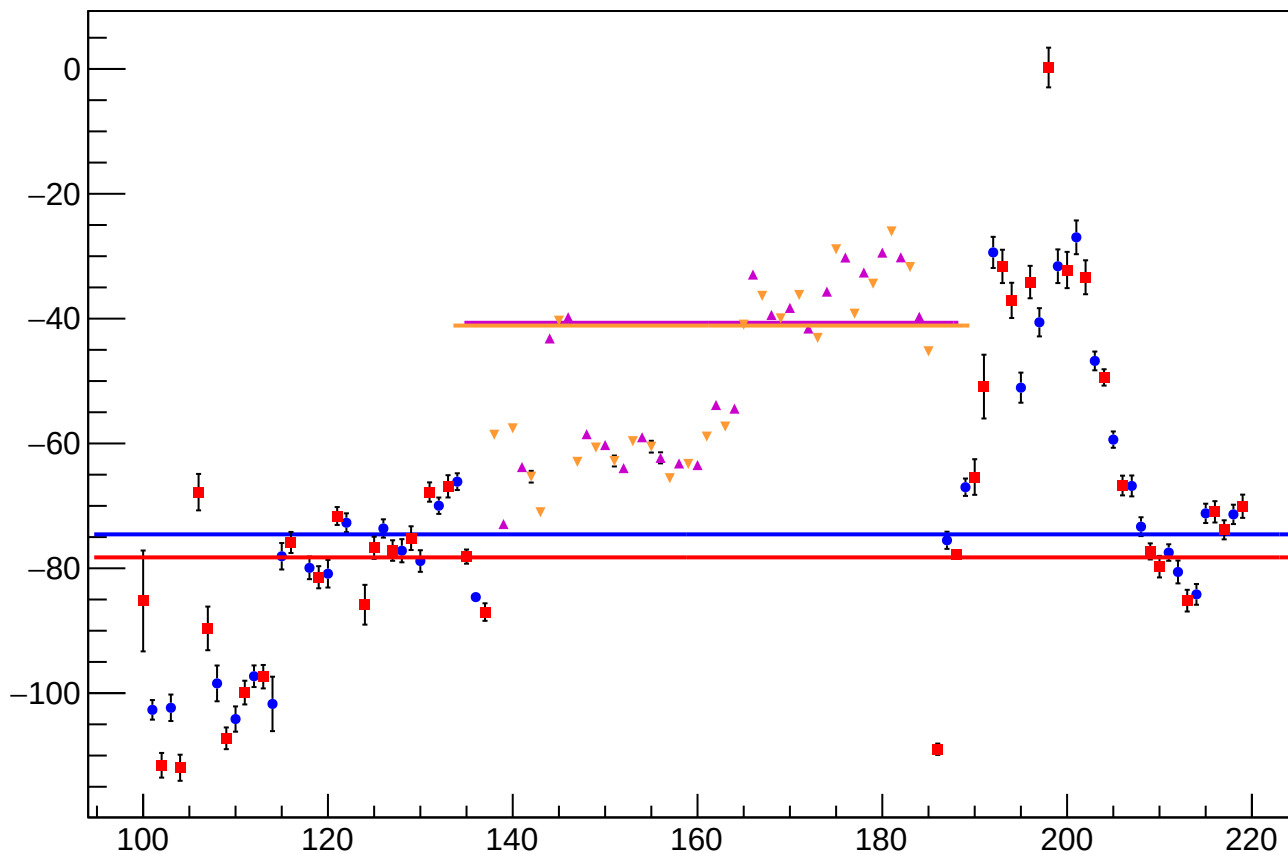
Left In: 6.856 ± 0.081 χ^2/NDF : 2156.4/22

+ sign 6.757 ± 0.078 χ^2/NDF : 4459.1/56

All: 6.562 ± 0.055 χ^2/NDF : 8602.1/116

- sign 6.361 ± 0.079 χ^2/NDF : 4130.1/59

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -74.562 ± 0.283 $\chi^2/\text{NDF}: 3068.7/31$

Left Out: -41.111 ± 0.100 $\chi^2/\text{NDF}: 16000.8/24$

Right Out: -78.251 ± 0.276 $\chi^2/\text{NDF}: 4983.8/36$

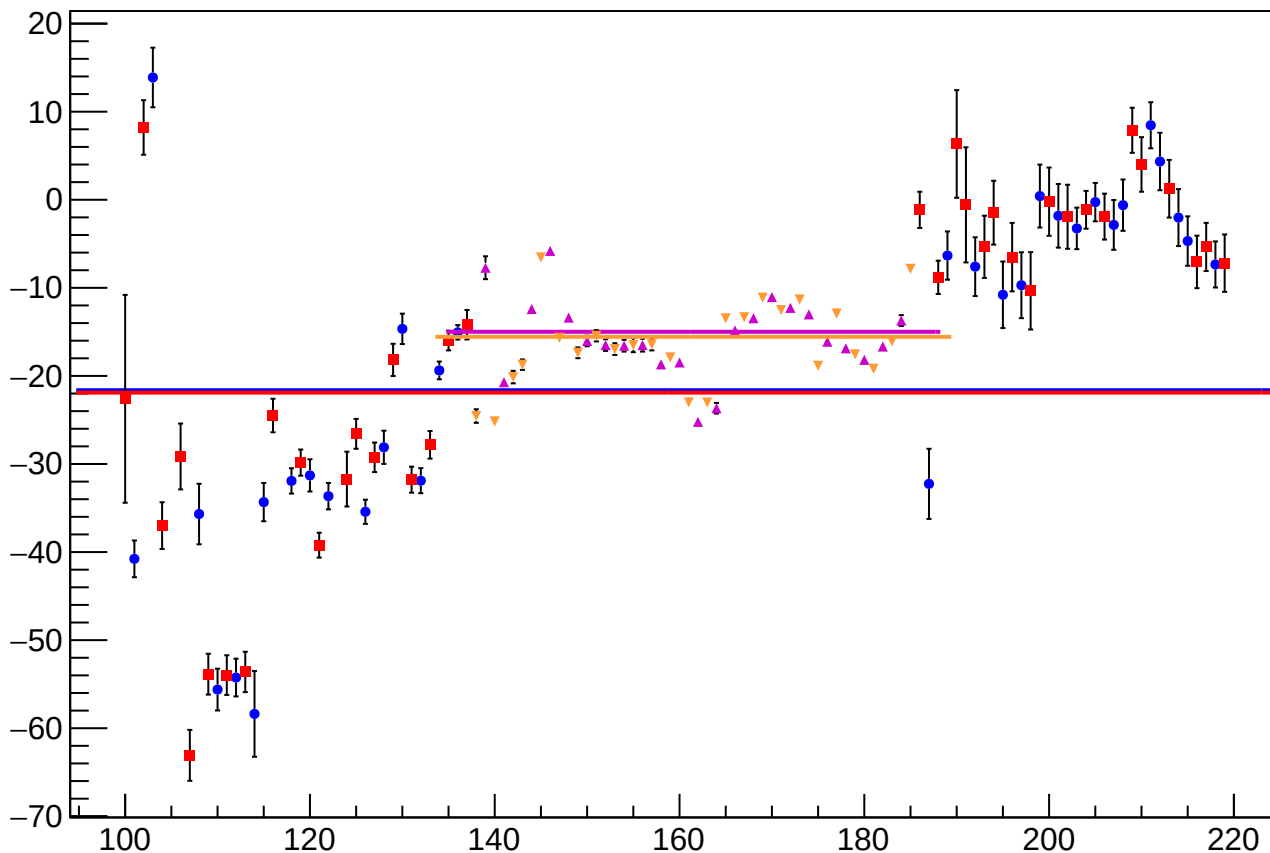
Left In: -40.665 ± 0.102 $\chi^2/\text{NDF}: 13541.3/22$

+ sign -44.830 ± 0.094 $\chi^2/\text{NDF}: 31511.0/56$

All: -45.015 ± 0.067 $\chi^2/\text{NDF}: 66381.1/116$

- sign -45.207 ± 0.096 $\chi^2/\text{NDF}: 34862.3/59$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -21.624 ± 0.349 χ^2/NDF : 1828.1/31

Left Out: -15.562 ± 0.089 χ^2/NDF : 2549.5/24

Right Out: -21.895 ± 0.367 χ^2/NDF : 2058.0/36

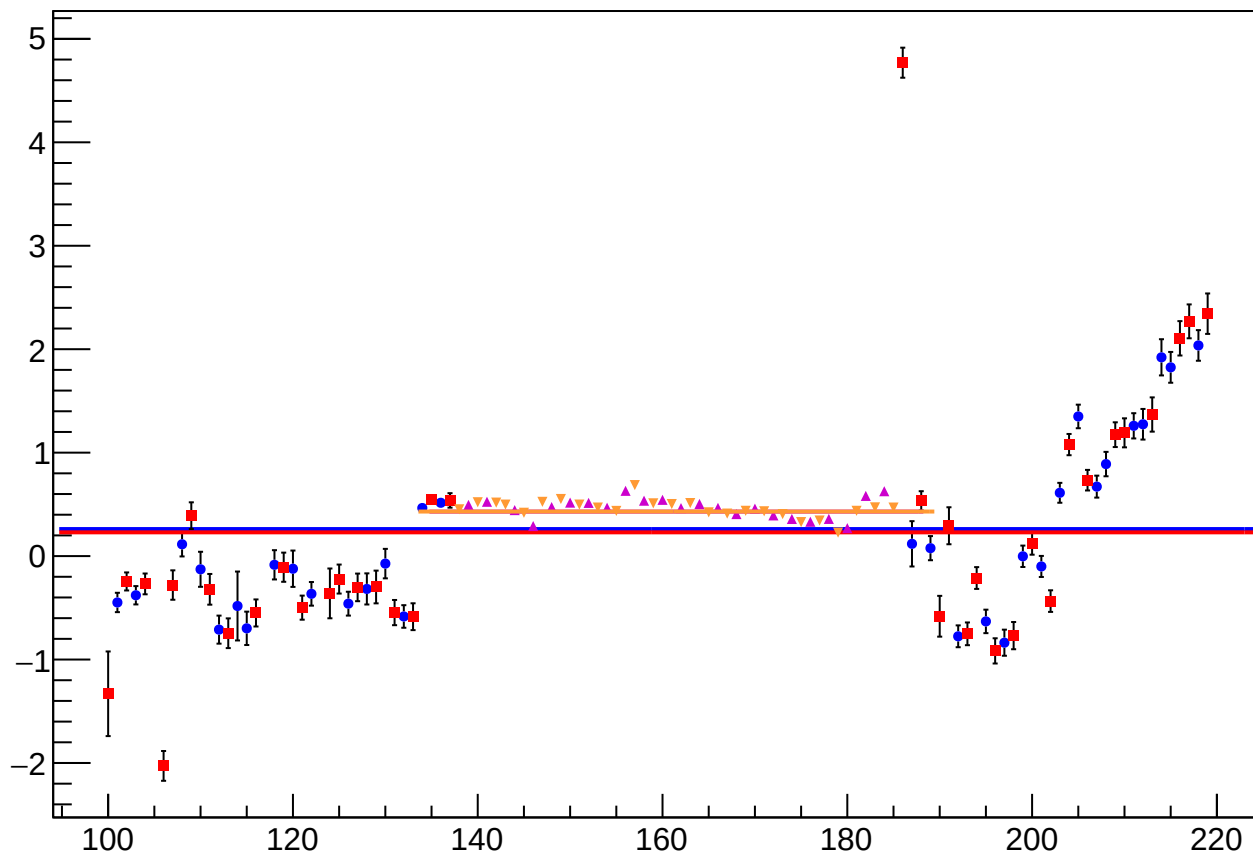
Left In: -14.990 ± 0.090 χ^2/NDF : 2150.9/22

+ sign -15.932 ± 0.086 χ^2/NDF : 4661.1/56

All: -15.663 ± 0.061 χ^2/NDF : 9223.4/116

- sign -15.384 ± 0.088 χ^2/NDF : 4542.4/59

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.261 ± 0.017 χ^2/NDF : 1305.7/31

Left Out: 0.431 ± 0.004 χ^2/NDF : 418.4/24

Right Out: 0.230 ± 0.019 χ^2/NDF : 2603.7/36

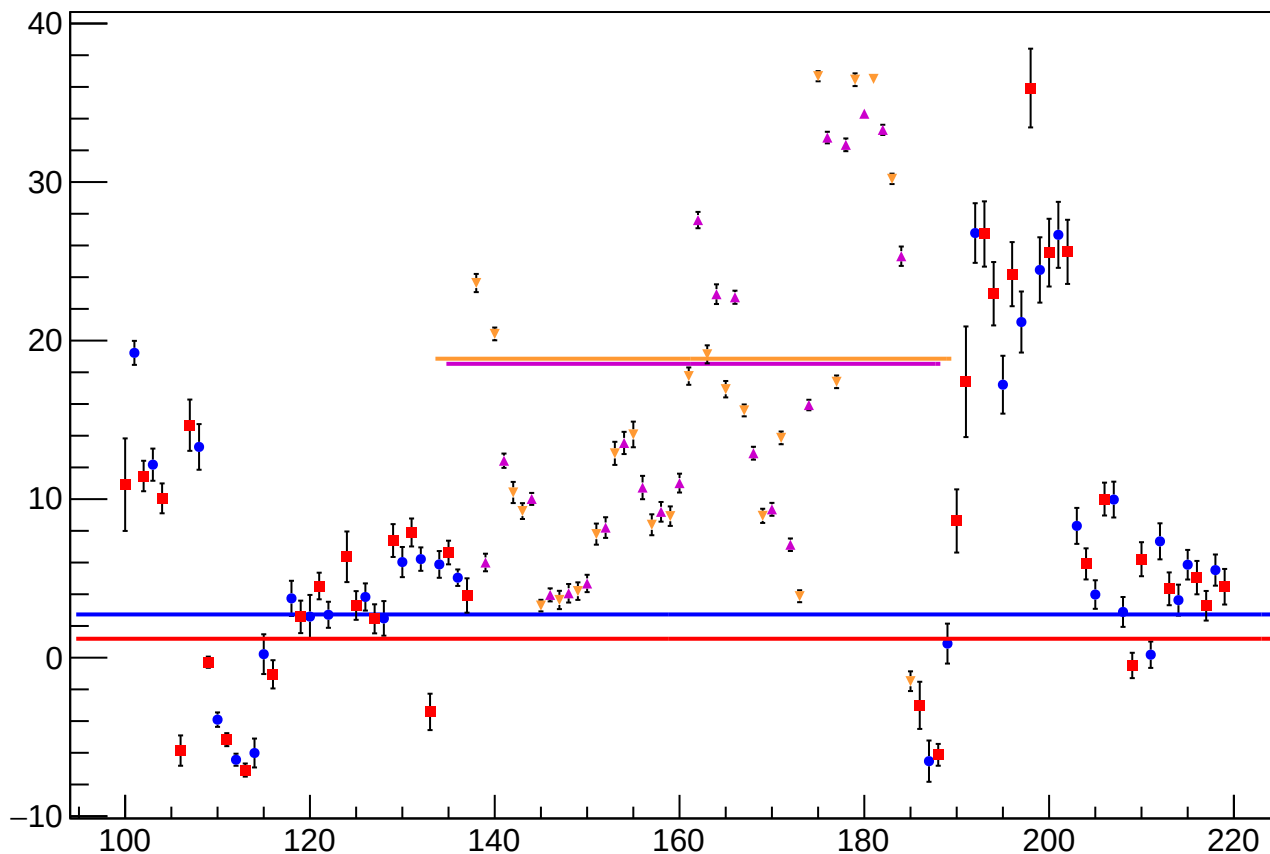
Left In: 0.430 ± 0.004 χ^2/NDF : 583.6/22

+ sign 0.422 ± 0.004 χ^2/NDF : 1813.5/56

All: 0.422 ± 0.003 χ^2/NDF : 5109.3/116

- sign 0.421 ± 0.004 χ^2/NDF : 3295.7/59

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.727 ± 0.155 χ^2/NDF : 2301.6/31

Left Out: 18.858 ± 0.090 χ^2/NDF : 18374.1/24

Right Out: 1.194 ± 0.144 χ^2/NDF : 2394.0/36

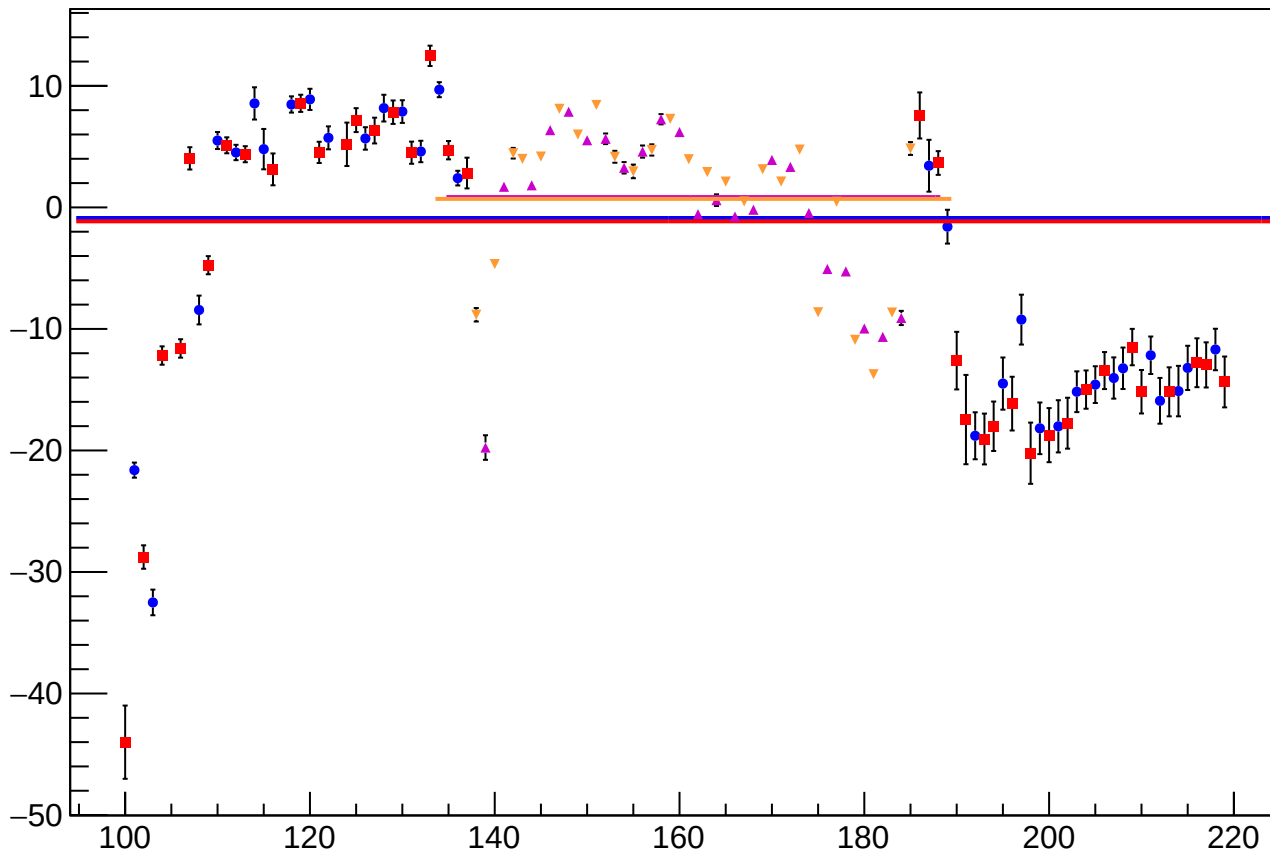
Left In: 18.535 ± 0.093 χ^2/NDF : 14066.0/22

+ sign 14.755 ± 0.078 χ^2/NDF : 28773.4/56

All: 14.090 ± 0.055 χ^2/NDF : 55581.9/116

- sign 13.421 ± 0.078 χ^2/NDF : 26662.9/59

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -0.873 ± 0.185 $\chi^2/\text{NDF}: 4007.0/31$

Left Out: 0.702 ± 0.071 $\chi^2/\text{NDF}: 8237.8/24$

Right Out: -1.146 ± 0.183 $\chi^2/\text{NDF}: 3352.4/36$

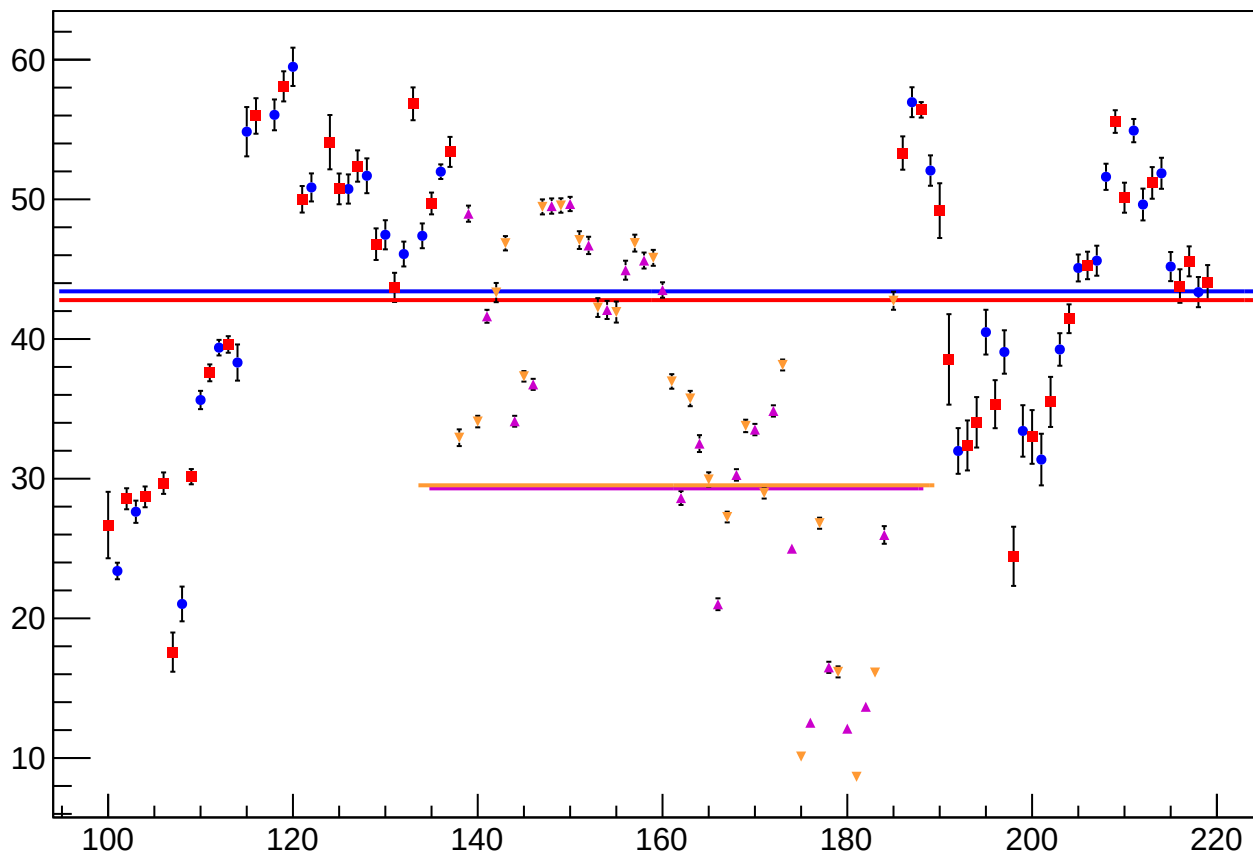
Left In: 0.847 ± 0.072 $\chi^2/\text{NDF}: 6045.4/22$

+ sign 0.502 ± 0.066 $\chi^2/\text{NDF}: 12307.9/56$

All: 0.539 ± 0.047 $\chi^2/\text{NDF}: 21809.1/116$

- sign 0.576 ± 0.067 $\chi^2/\text{NDF}: 9500.6/59$

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 43.413 $\pm$ 0.170 χ^2 /NDF: 3569.6/31

Left Out: 29.526 $\pm$ 0.091 χ^2 /NDF:21083.7/24

Right Out: 42.785 $\pm$ 0.163 χ^2 /NDF: 4124.7/36

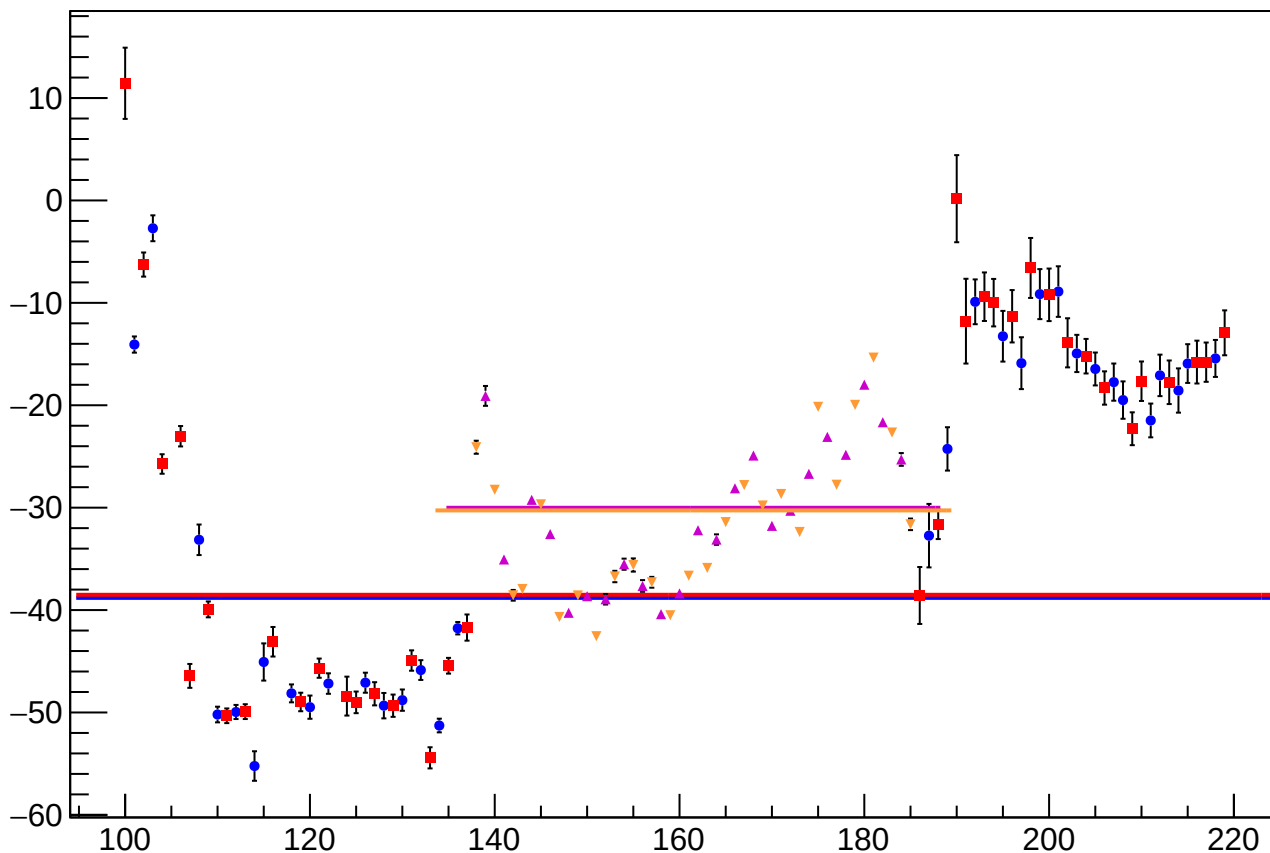
Left In: 29.306 $\pm$ 0.093 χ^2 /NDF:17870.3/22

+ sign 32.599 $\pm$ 0.080 χ^2 /NDF: 29854.8/56

All: 32.612 $\pm$ 0.057 χ^2 /NDF: 57013.0/116

- sign 32.625 $\pm$ 0.081 χ^2 /NDF: 27158.2/59

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -38.806 ± 0.209 $\chi^2/\text{NDF}: 5314.5/31$

Left Out: -30.268 ± 0.079 $\chi^2/\text{NDF}: 8500.0/24$

Right Out: -38.508 ± 0.208 $\chi^2/\text{NDF}: 4786.9/36$

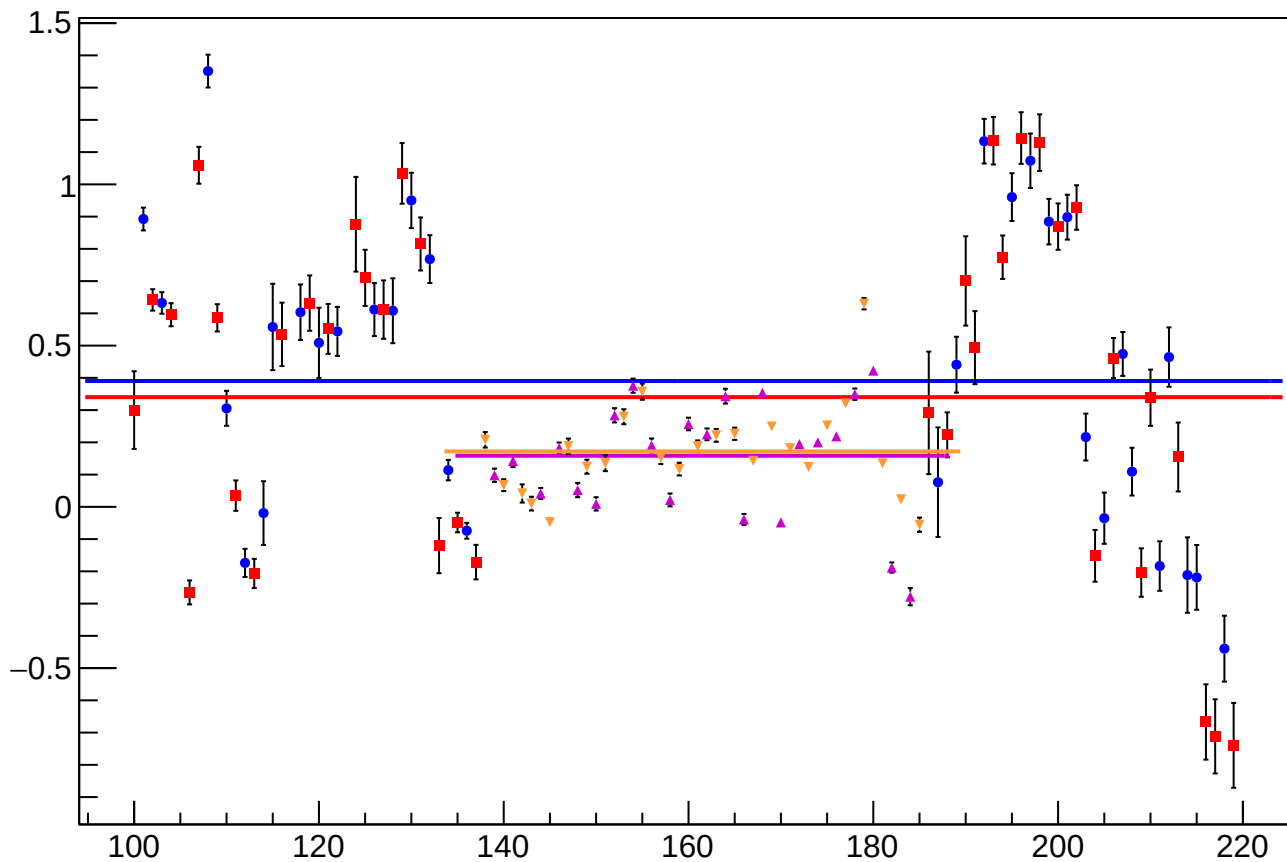
Left In: -30.012 ± 0.081 $\chi^2/\text{NDF}: 6083.1/22$

+ sign -31.342 ± 0.074 $\chi^2/\text{NDF}: 15274.3/56$

All: -31.241 ± 0.053 $\chi^2/\text{NDF}: 27592.7/116$

- sign -31.136 ± 0.076 $\chi^2/\text{NDF}: 12314.7/59$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.390 ± 0.010 χ^2/NDF : 1906.6/31

Left Out: 0.172 ± 0.004 χ^2/NDF : 1501.3/24

Right Out: 0.340 ± 0.010 χ^2/NDF : 2015.1/36

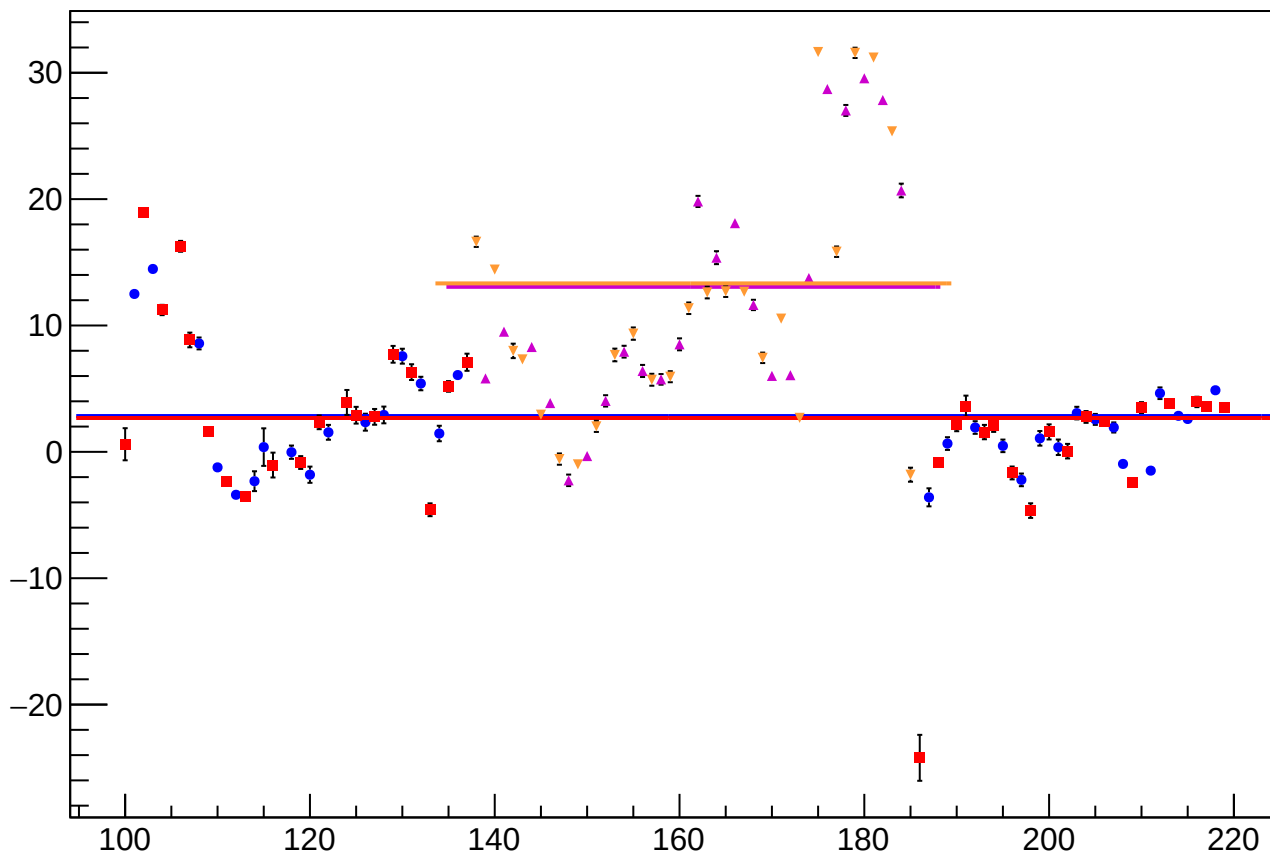
Left In: 0.159 ± 0.004 χ^2/NDF : 2187.4/22

+ sign 0.194 ± 0.003 χ^2/NDF : 3797.8/56

All: 0.187 ± 0.002 χ^2/NDF : 8284.7/116

- sign 0.178 ± 0.003 χ^2/NDF : 4475.8/59

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.833 ± 0.080 χ^2/NDF : 3384.6/31

Left Out: 13.331 ± 0.077 χ^2/NDF : 19432.7/24

Right Out: 2.680 ± 0.075 χ^2/NDF : 5421.6/36

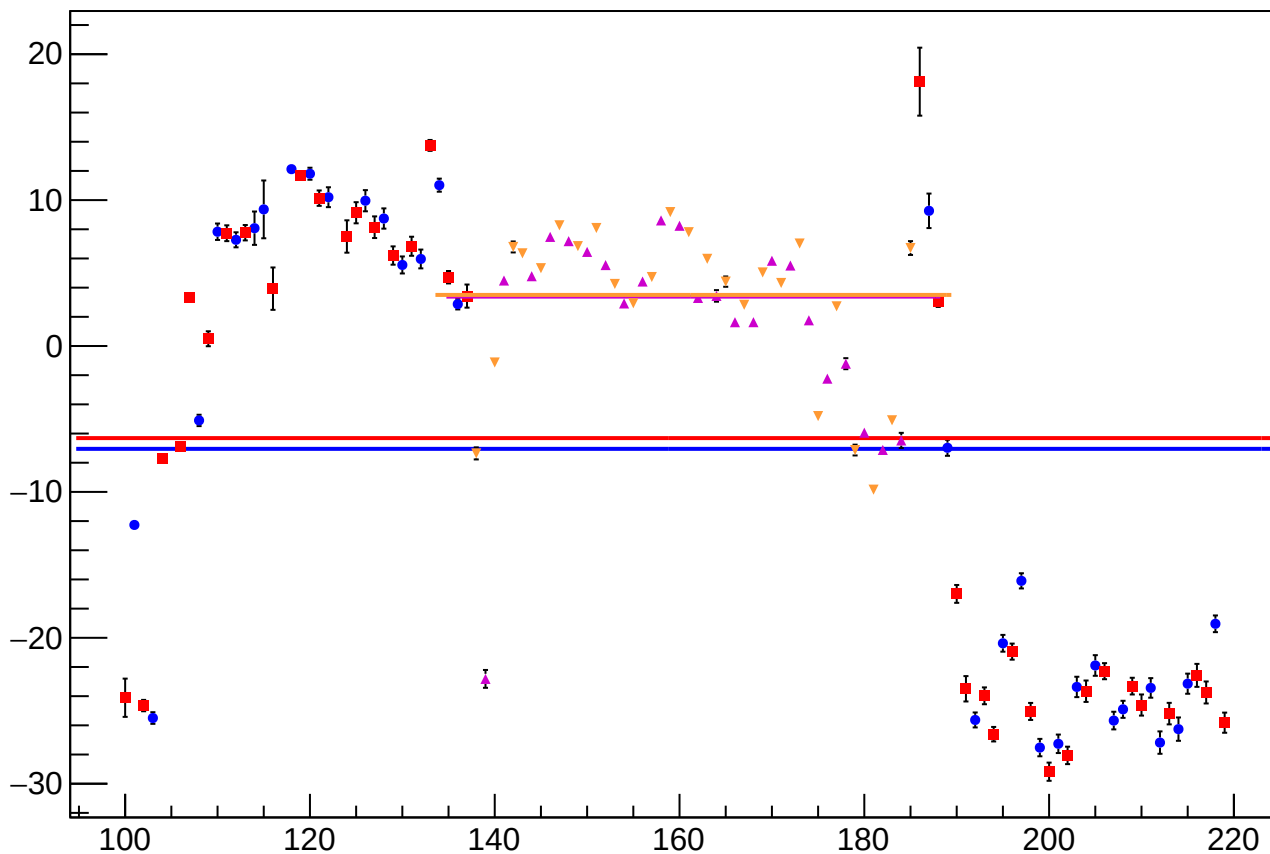
Left In: 13.061 ± 0.079 χ^2/NDF : 15559.8/22

+ sign 8.302 ± 0.055 χ^2/NDF : 31774.1/56

All: 7.926 ± 0.039 χ^2/NDF : 61918.5/116

- sign 7.563 ± 0.054 χ^2/NDF : 30053.7/59

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -7.049 ± 0.093 $\chi^2/\text{NDF}: 25190.6/31$

Left Out: 3.502 ± 0.059 $\chi^2/\text{NDF}: 7911.7/24$

Right Out: -6.312 ± 0.088 $\chi^2/\text{NDF}: 28128.4/36$

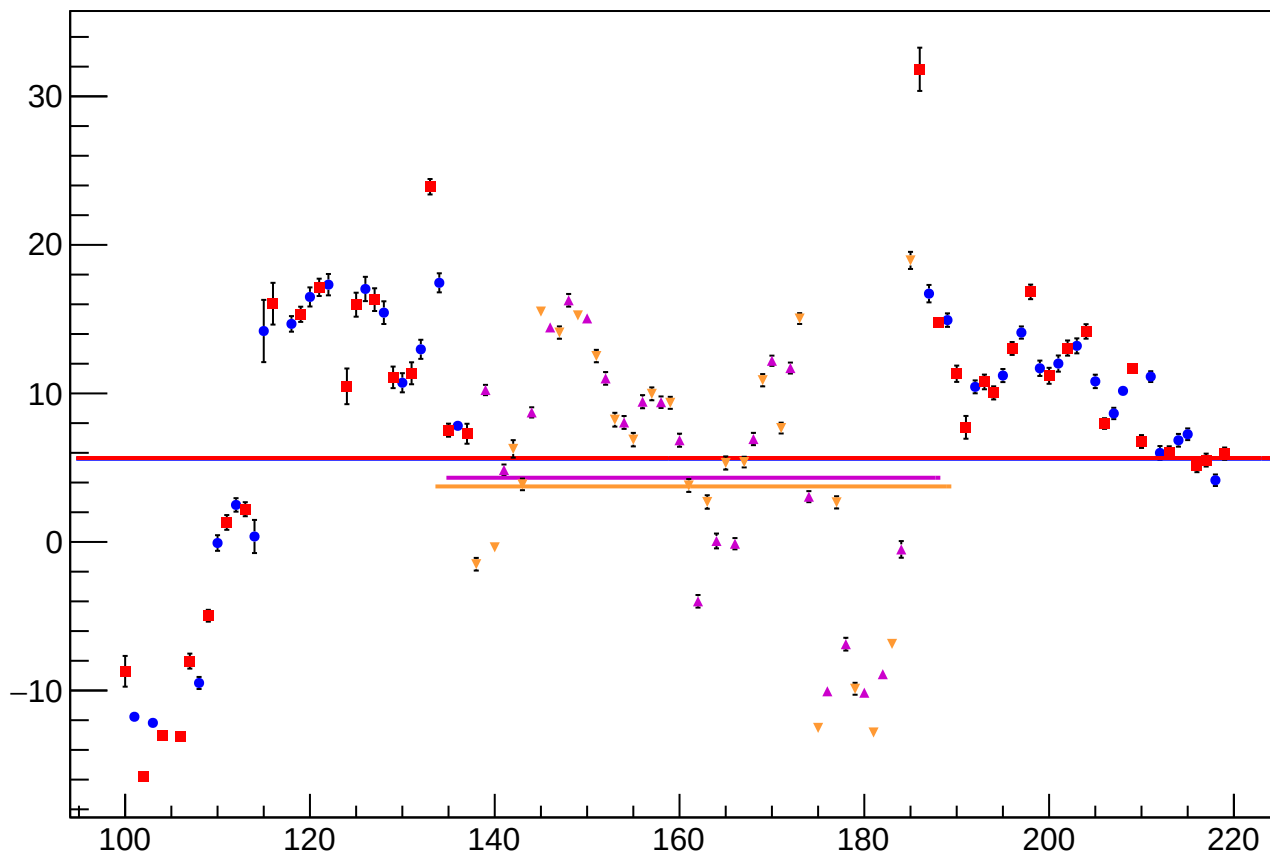
Left In: 3.385 ± 0.061 $\chi^2/\text{NDF}: 6707.6/22$

+ sign 0.526 ± 0.050 $\chi^2/\text{NDF}: 42260.7/56$

All: 0.390 ± 0.035 $\chi^2/\text{NDF}: 85278.9/116$

- sign 0.251 ± 0.050 $\chi^2/\text{NDF}: 43003.0/59$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 5.602 $\pm$ 0.080 χ^2 /NDF: 14161.6/31

Left Out: 3.738 $\pm$ 0.076 χ^2 /NDF:15586.7/24

Right Out: 5.653 $\pm$ 0.075 χ^2 /NDF: 20398.0/36

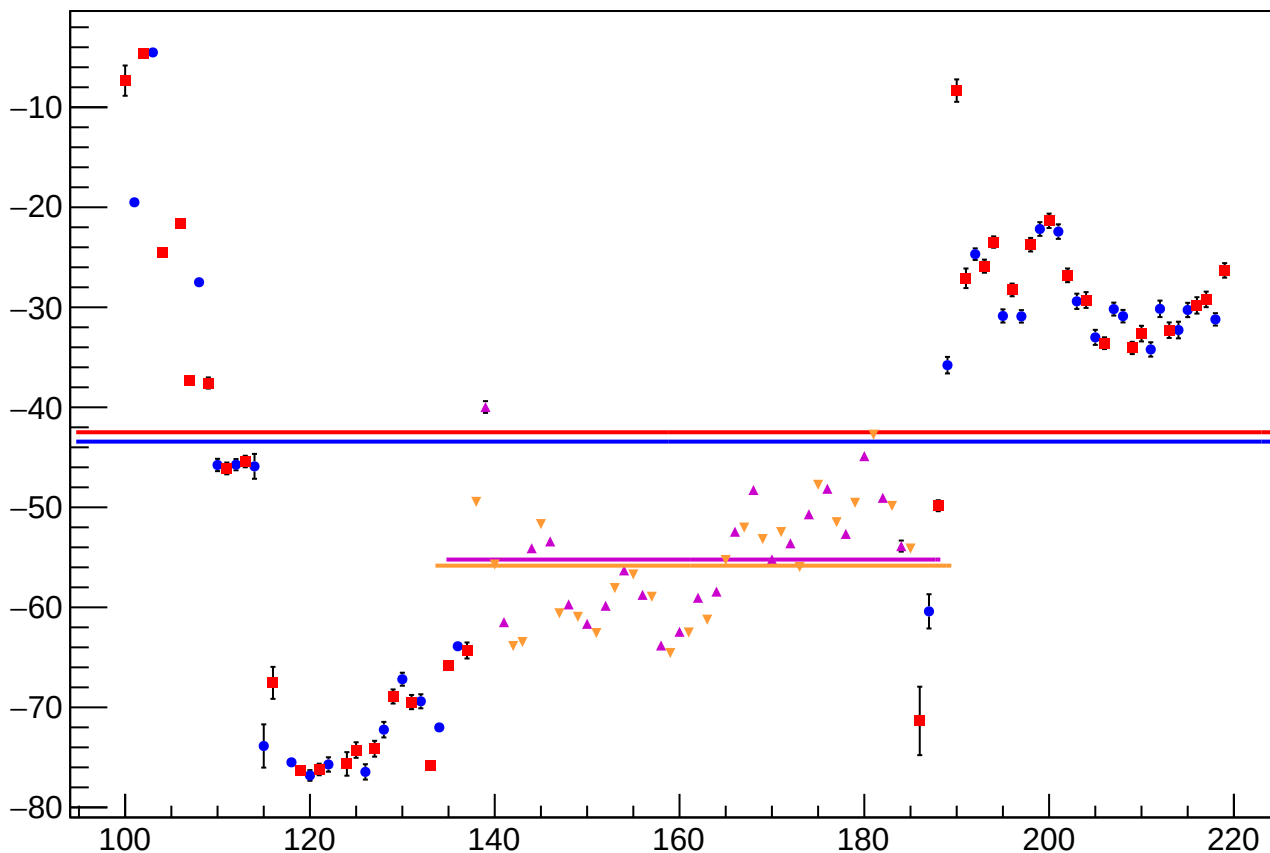
Left In: 4.322 $\pm$ 0.079 χ^2 /NDF:12483.3/22

+ sign 4.629 $\pm$ 0.055 χ^2 /NDF: 30032.9/56

All: 4.829 $\pm$ 0.039 χ^2 /NDF: 63090.3/116

- sign 5.021 $\pm$ 0.054 χ^2 /NDF: 33031.7/59

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.429 ± 0.108 $\chi^2/\text{NDF}: 43545.9/31$

Left Out: -55.832 ± 0.066 $\chi^2/\text{NDF}: 7592.5/24$

Right Out: -42.493 ± 0.103 $\chi^2/\text{NDF}: 45086.8/36$

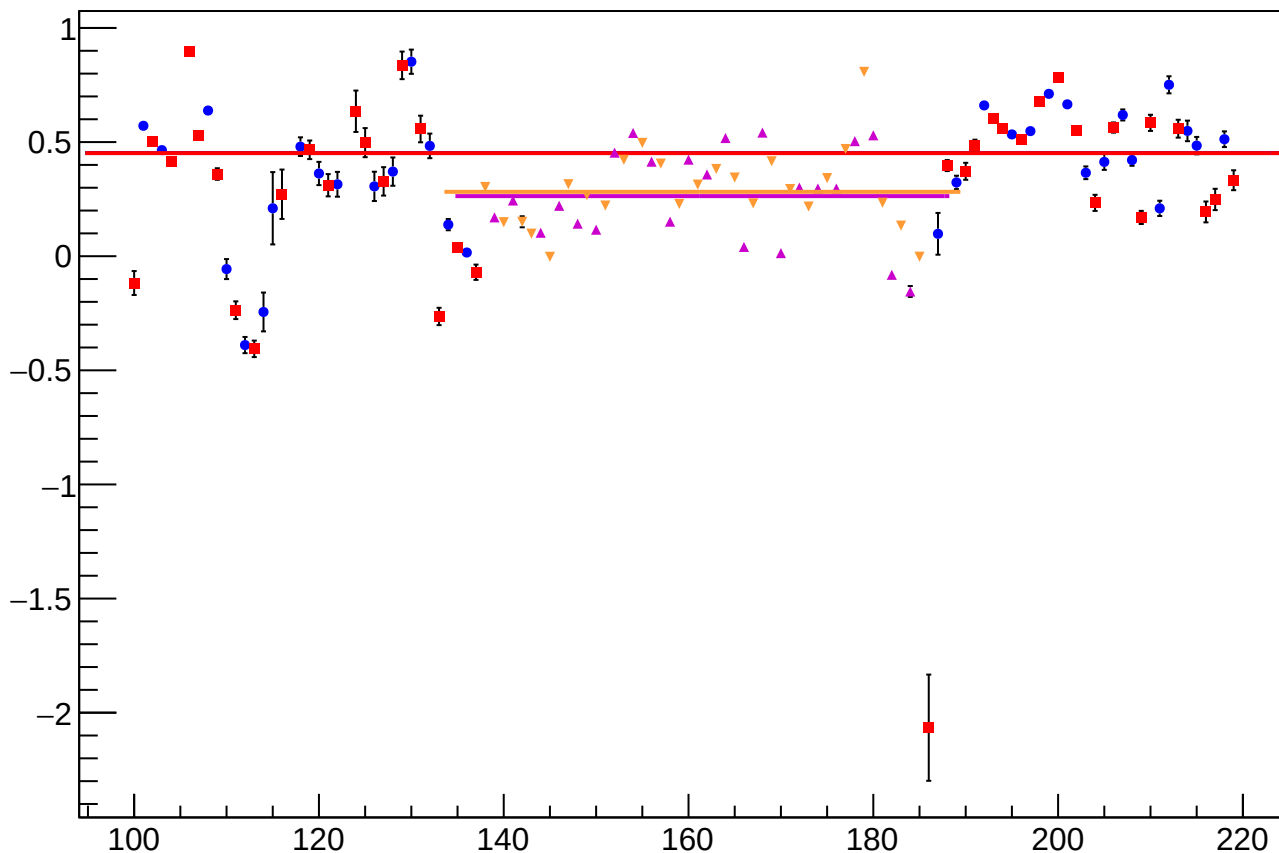
Left In: -55.222 ± 0.069 $\chi^2/\text{NDF}: 6343.0/22$

+ sign -52.434 ± 0.057 $\chi^2/\text{NDF}: 60714.1/56$

All: -51.886 ± 0.040 $\chi^2/\text{NDF}: 122842.6/116$

- sign -51.325 ± 0.057 $\chi^2/\text{NDF}: 61938.3/59$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.452 ± 0.005 χ^2/NDF : 2732.9/31

Left Out: 0.282 ± 0.003 χ^2/NDF : 2712.4/24

Right Out: 0.452 ± 0.004 χ^2/NDF : 3829.3/36

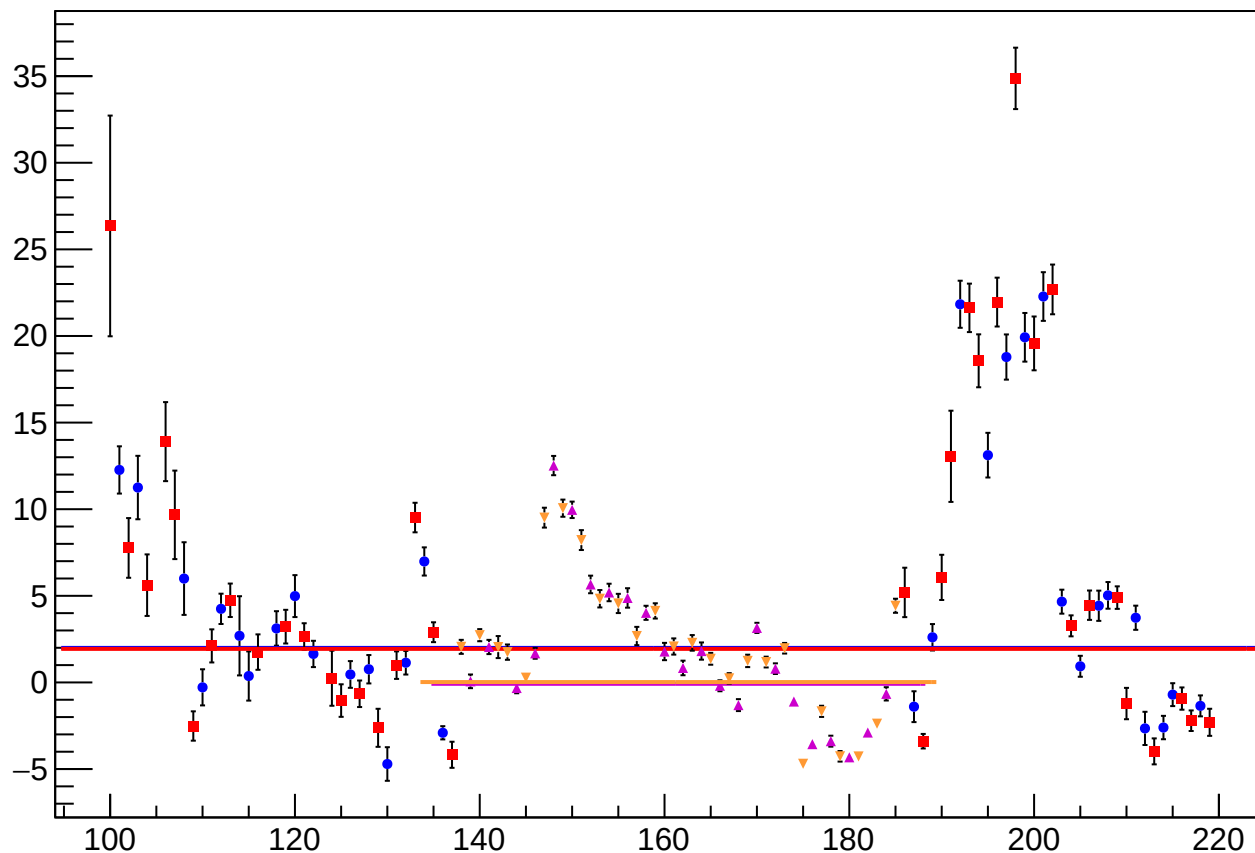
Left In: 0.263 ± 0.003 χ^2/NDF : 3835.8/22

+ sign 0.333 ± 0.002 χ^2/NDF : 6420.5/56

All: 0.329 ± 0.002 χ^2/NDF : 15363.7/116

- sign 0.325 ± 0.002 χ^2/NDF : 8938.6/59

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.993 ± 0.147 $\chi^2/\text{NDF}: 1368.9/31$

Left Out: 0.022 ± 0.069 $\chi^2/\text{NDF}: 2759.3/24$

Right Out: 1.937 ± 0.147 $\chi^2/\text{NDF}: 1897.0/36$

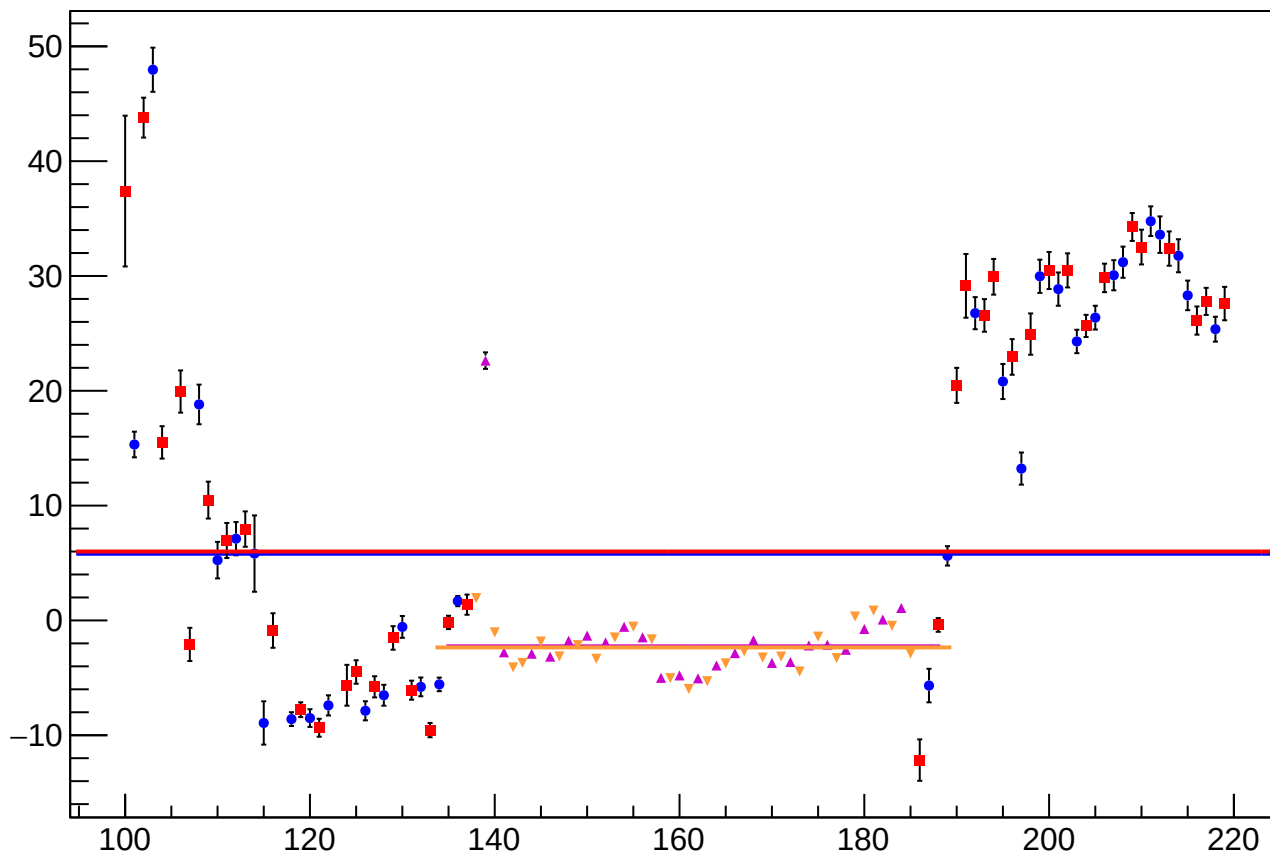
Left In: -0.080 ± 0.071 $\chi^2/\text{NDF}: 2464.5/22$

+ sign 0.373 ± 0.062 $\chi^2/\text{NDF}: 4275.4/56$

All: 0.336 ± 0.044 $\chi^2/\text{NDF}: 8790.1/116$

- sign 0.298 ± 0.064 $\chi^2/\text{NDF}: 4514.0/59$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 5.807 ± 0.177 χ^2/NDF : 7092.7/31

Left Out: -2.352 ± 0.055 χ^2/NDF : 1125.6/24

Right Out: 6.001 ± 0.181 χ^2/NDF : 7175.2/36

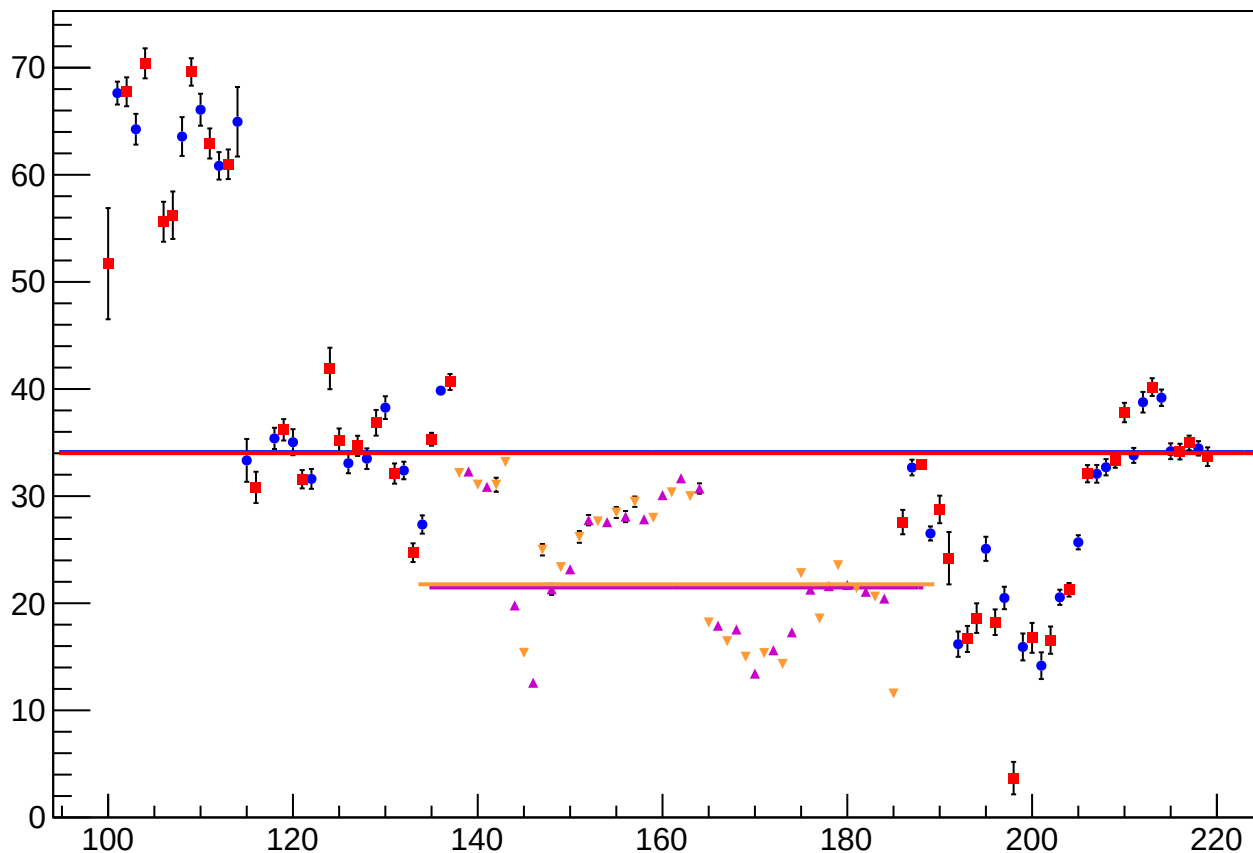
Left In: -2.257 ± 0.056 χ^2/NDF : 1877.2/22

+ sign -1.634 ± 0.053 χ^2/NDF : 10148.8/56

All: -1.583 ± 0.038 χ^2/NDF : 21091.3/116

- sign -1.530 ± 0.054 χ^2/NDF : 10940.6/59

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 34.104 $\pm$ 0.153 χ^2 /NDF: 4660.2/31

Left Out: 21.768 $\pm$ 0.069 χ^2 /NDF: 6814.2/24

Right Out: 34.012 $\pm$ 0.151 χ^2 /NDF: 5170.3/36

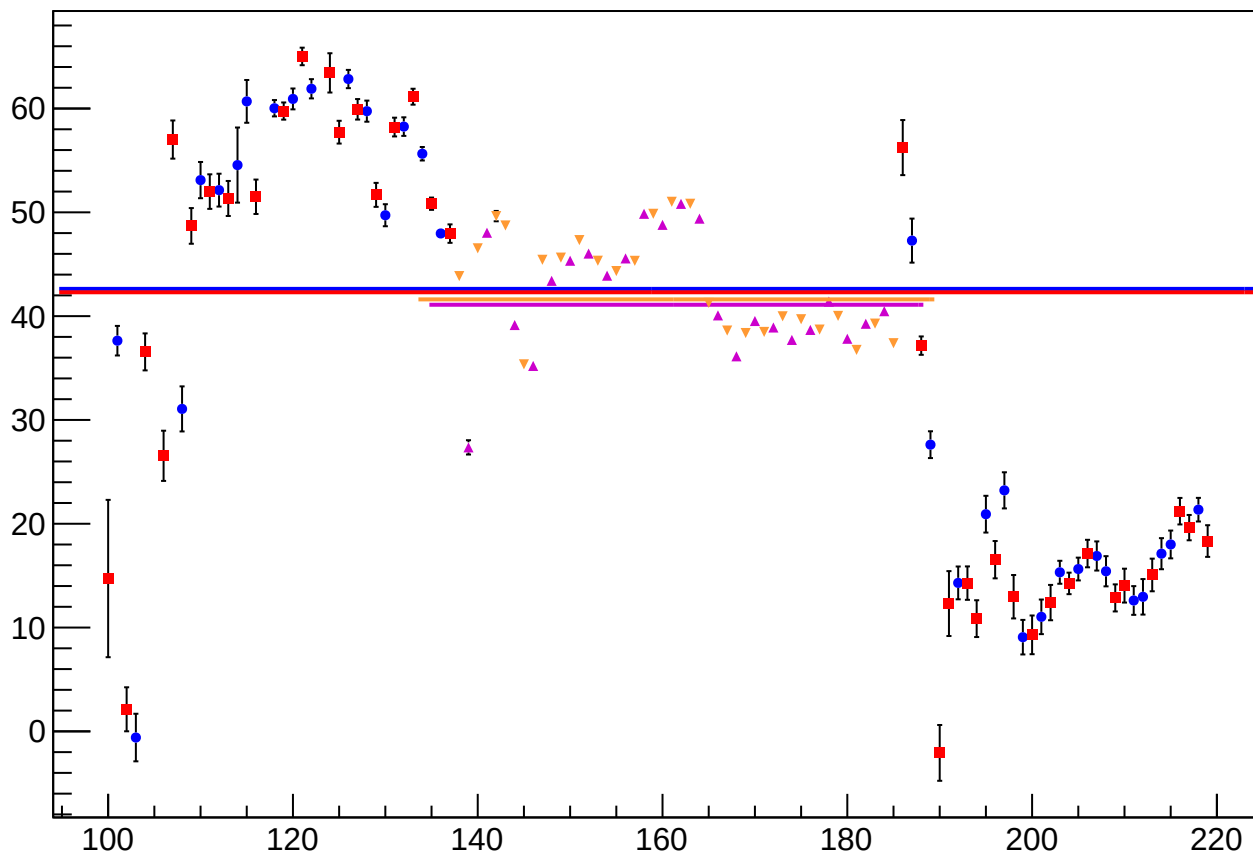
Left In: 21.472 $\pm$ 0.071 χ^2 /NDF: 5787.4/22

+ sign 23.852 $\pm$ 0.063 χ^2 /NDF: 16895.4/56

All: 23.791 $\pm$ 0.045 χ^2 /NDF: 33530.2/116

- sign 23.729 $\pm$ 0.064 χ^2 /NDF: 16632.9/59

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 42.626 $\pm$ 0.199 χ^2 /NDF: 8665.7/31

Left Out: 41.613 $\pm$ 0.061 χ^2 /NDF: 5776.0/24

Right Out: 42.299 $\pm$ 0.207 χ^2 /NDF: 8771.5/36

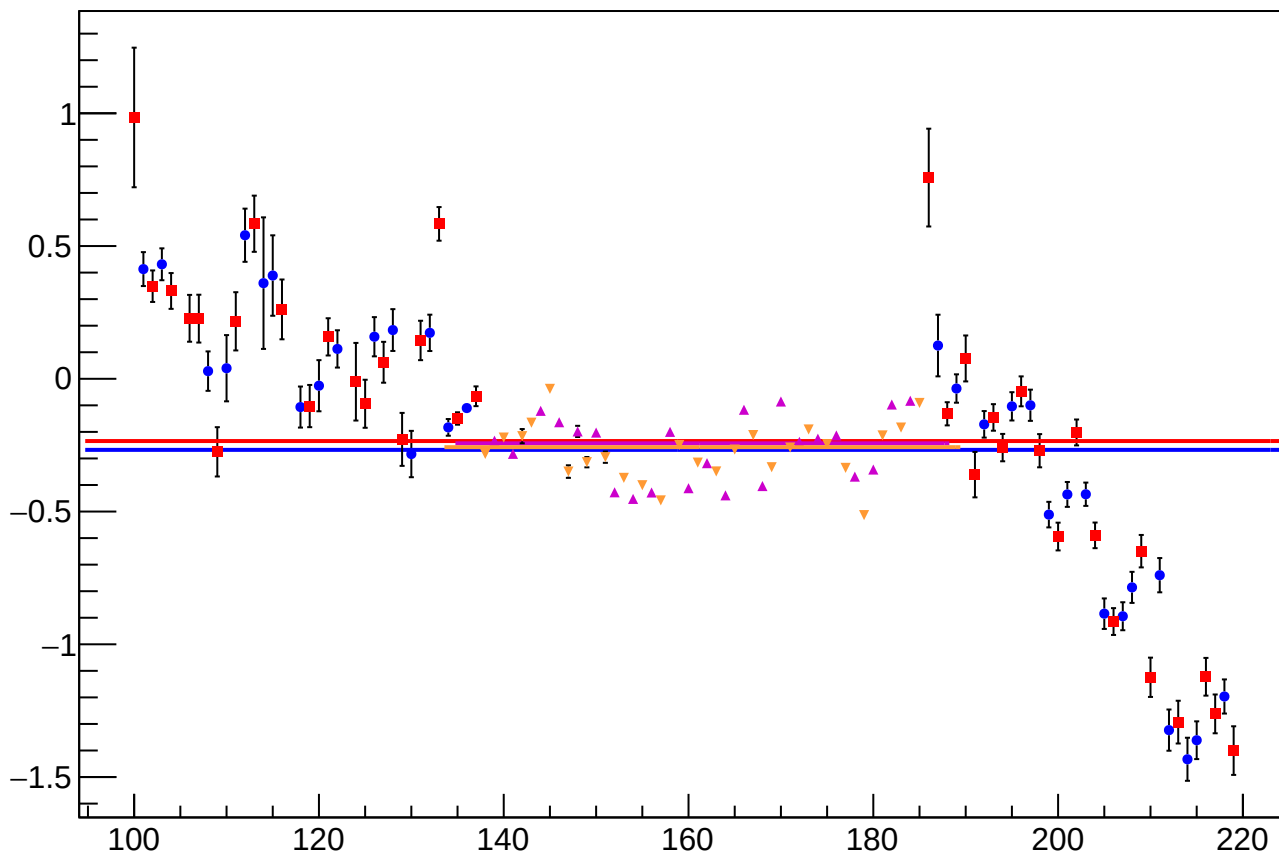
Left In: 41.098 $\pm$ 0.063 χ^2 /NDF: 5478.0/22

+ sign 41.701 $\pm$ 0.059 χ^2 /NDF: 14465.5/56

All: 41.456 $\pm$ 0.042 χ^2 /NDF: 28781.9/116

- sign 41.199 $\pm$ 0.060 χ^2 /NDF: 14280.4/59

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.268 ± 0.010 $\chi^2/\text{NDF}: 1920.3/31$

Left Out: -0.258 ± 0.003 $\chi^2/\text{NDF}: 1515.1/24$

Right Out: -0.234 ± 0.010 $\chi^2/\text{NDF}: 1845.6/36$

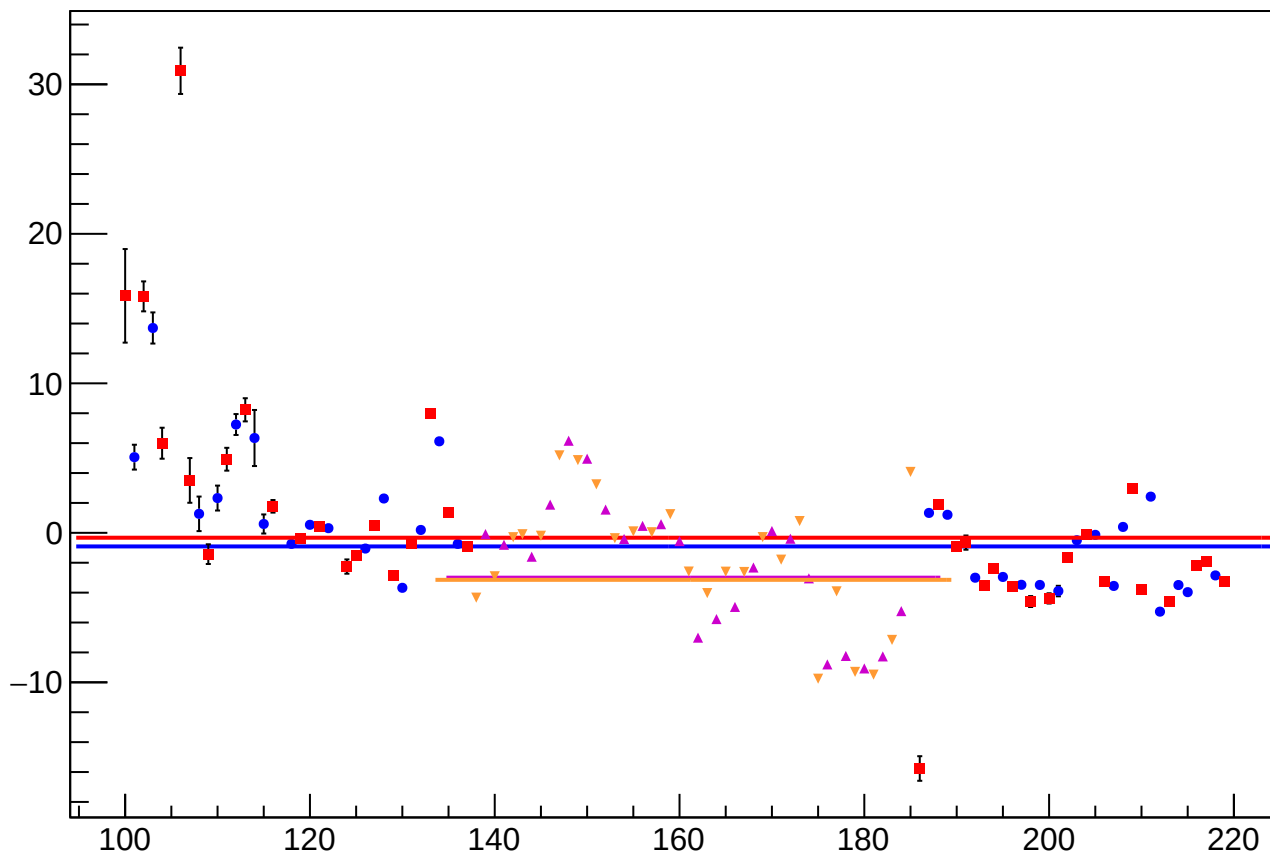
Left In: -0.243 ± 0.003 $\chi^2/\text{NDF}: 1811.8/22$

+ sign -0.258 ± 0.003 $\chi^2/\text{NDF}: 3436.4/56$

All: -0.251 ± 0.002 $\chi^2/\text{NDF}: 7112.5/116$

- sign -0.242 ± 0.003 $\chi^2/\text{NDF}: 3658.0/59$

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.910 ± 0.045 χ^2/NDF : 3294.4/31

Left Out: -3.144 ± 0.028 χ^2/NDF : 25358.6/24

Right Out: -0.327 ± 0.044 χ^2/NDF : 5932.9/36

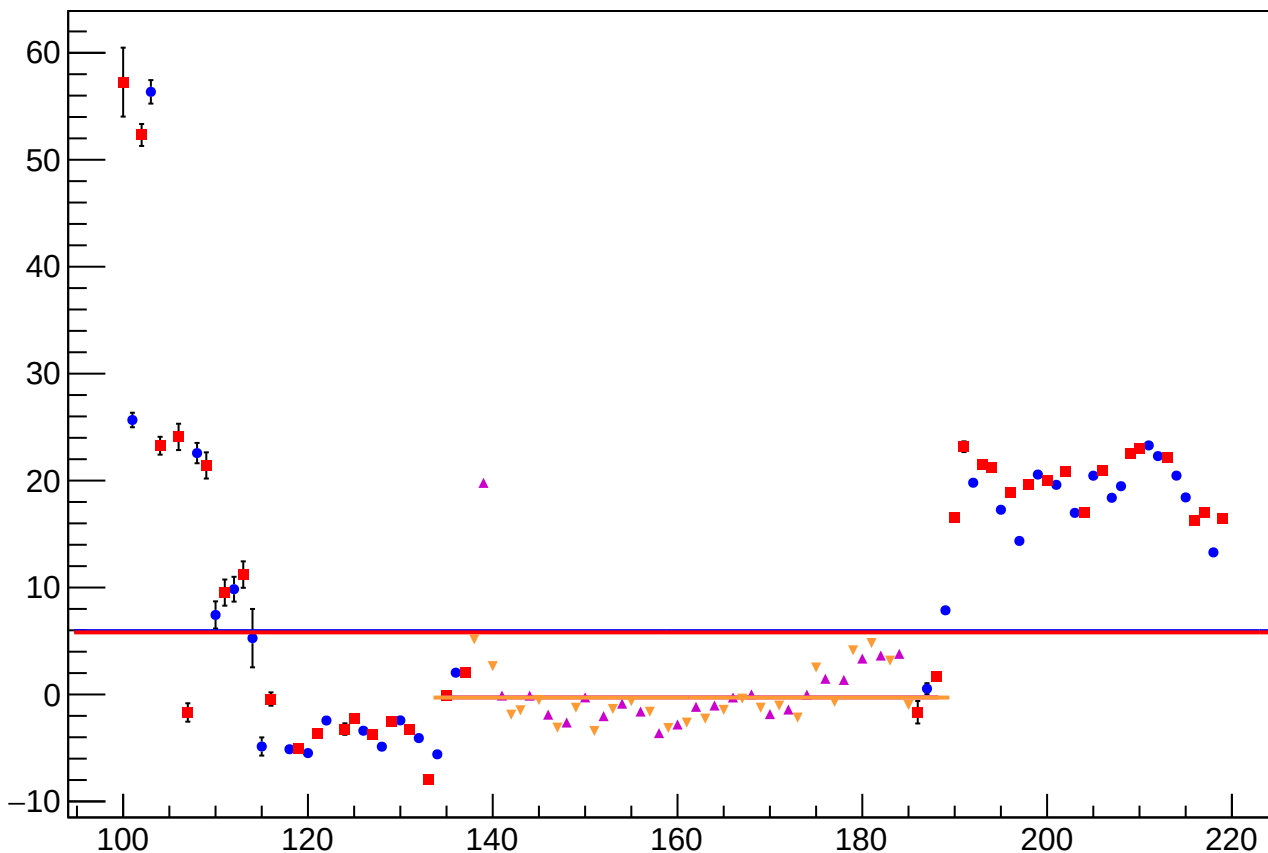
Left In: -2.999 ± 0.028 χ^2/NDF : 22425.0/22

+ sign -2.525 ± 0.024 χ^2/NDF : 30453.2/56

All: -2.363 ± 0.017 χ^2/NDF : 61548.4/116

- sign -2.198 ± 0.024 χ^2/NDF : 31000.1/59

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 5.924 ± 0.053 χ^2/NDF : 44970.6/31

Left Out: -0.288 ± 0.022 χ^2/NDF : 12198.2/24

Right Out: 5.807 ± 0.052 χ^2/NDF : 53764.6/36

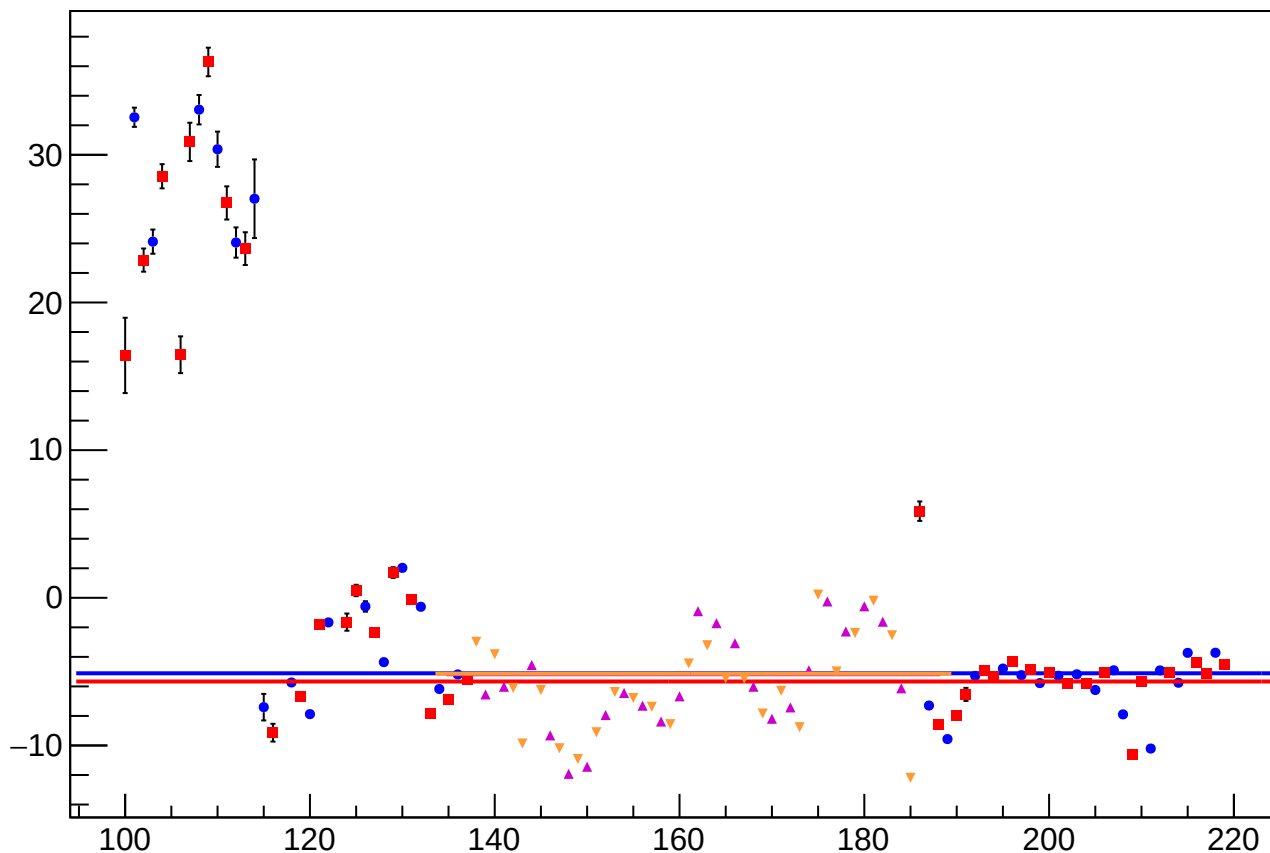
Left In: -0.271 ± 0.022 χ^2/NDF : 13220.8/22

+ sign 0.603 ± 0.020 χ^2/NDF : 68810.2/56

All: 0.643 ± 0.014 χ^2/NDF : 147474.4/116

- sign 0.683 ± 0.020 χ^2/NDF : 78656.5/59

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.111 ± 0.045 χ^2/NDF : 10803.6/31

Left Out: -5.138 ± 0.028 χ^2/NDF : 14626.0/24

Right Out: -5.667 ± 0.043 χ^2/NDF : 11574.2/36

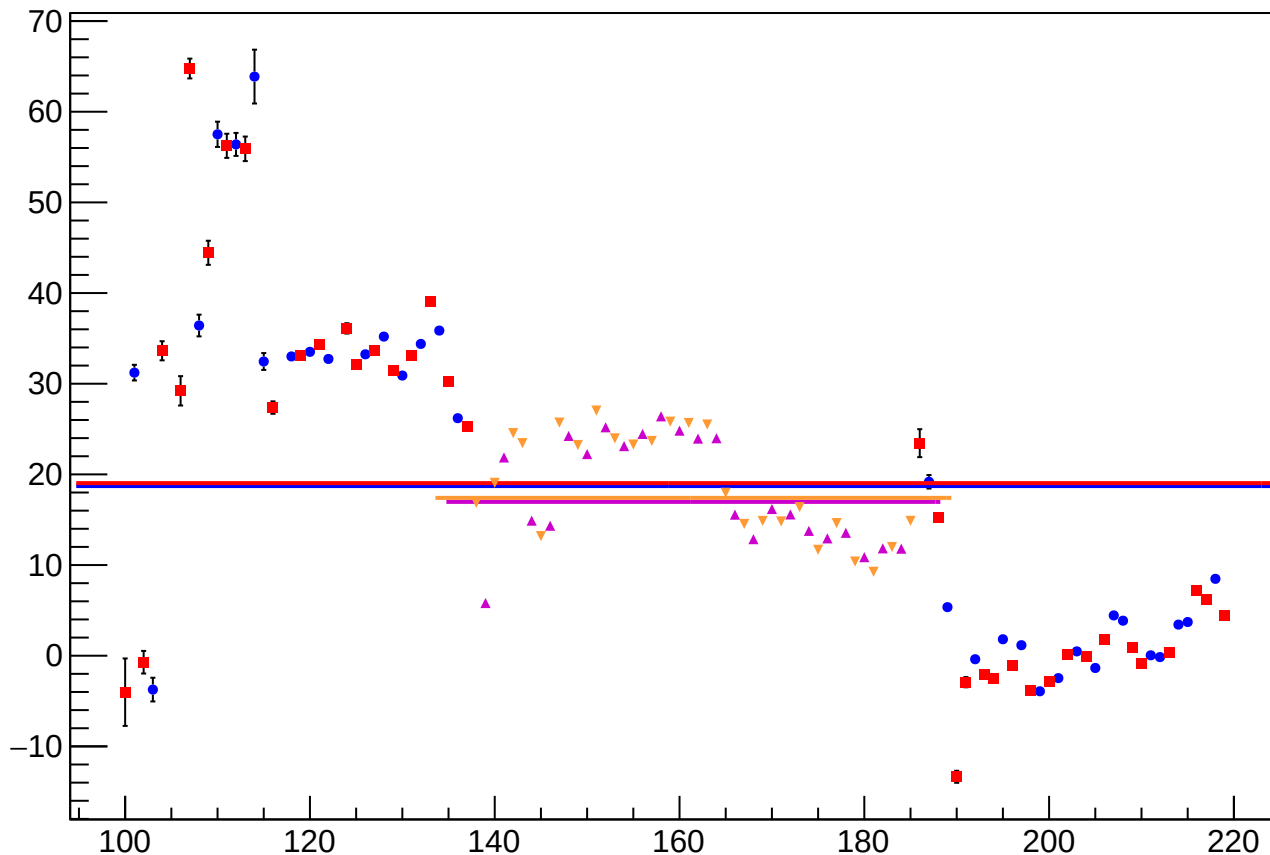
Left In: -5.177 ± 0.028 χ^2/NDF : 13963.7/22

+ sign -5.131 ± 0.024 χ^2/NDF : 25429.8/56

All: -5.228 ± 0.017 χ^2/NDF : 51091.9/116

- sign -5.326 ± 0.024 χ^2/NDF : 25628.2/59

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 18.711 $\pm$ 0.061 χ^2 /NDF: 65765.9/31

Left Out: 17.409 $\pm$ 0.024 χ^2 /NDF: 50630.8/24

Right Out: 19.038 $\pm$ 0.060 χ^2 /NDF: 79896.0/36

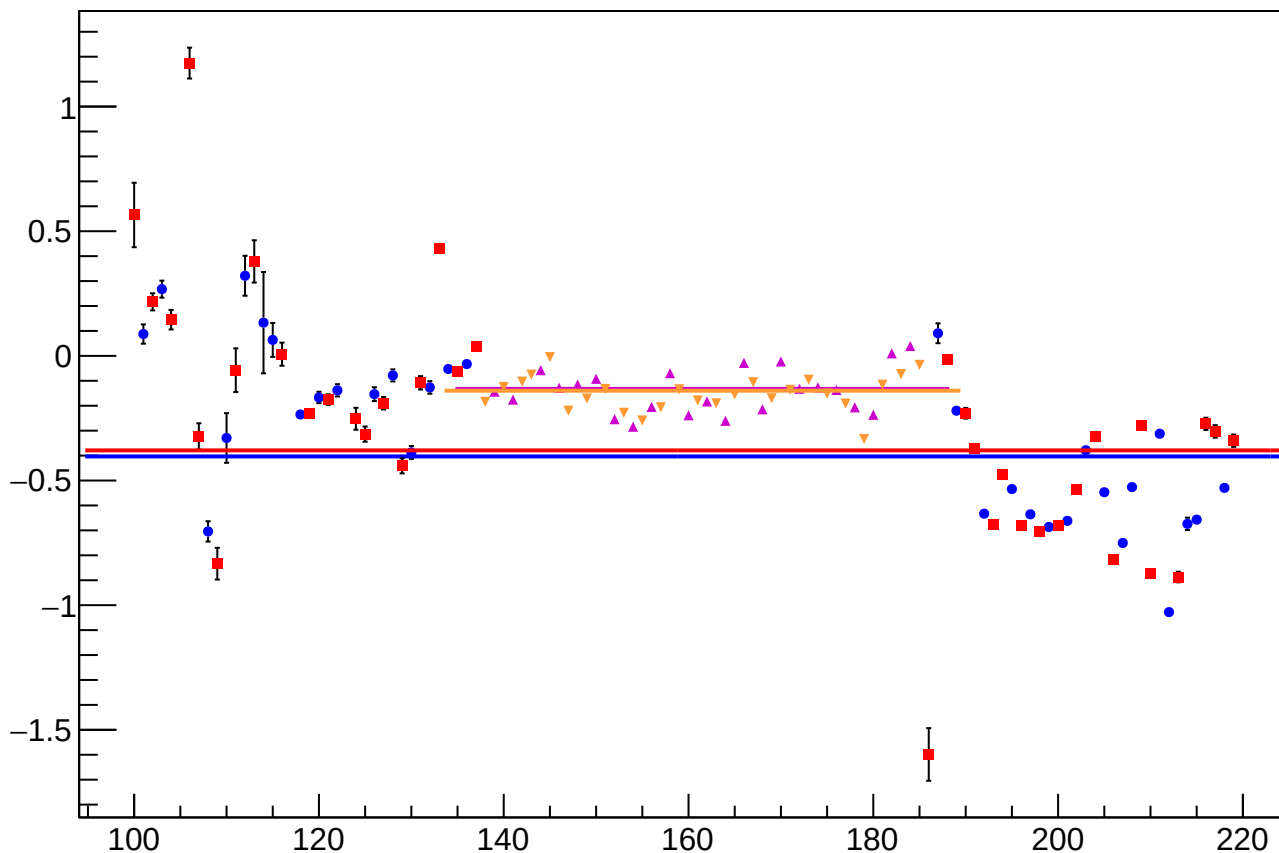
Left In: 16.967 $\pm$ 0.025 χ^2 /NDF: 39939.4/22

+ sign 17.591 $\pm$ 0.023 χ^2 /NDF: 116792.6/56

All: 17.436 $\pm$ 0.016 χ^2 /NDF: 237743.3/116

- sign 17.275 $\pm$ 0.023 χ^2 /NDF: 120855.9/59

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.403 ± 0.003 χ^2/NDF : 9907.5/31

Left Out: -0.140 ± 0.001 χ^2/NDF : 4108.2/24

Right Out: -0.379 ± 0.003 χ^2/NDF : 14201.1/36

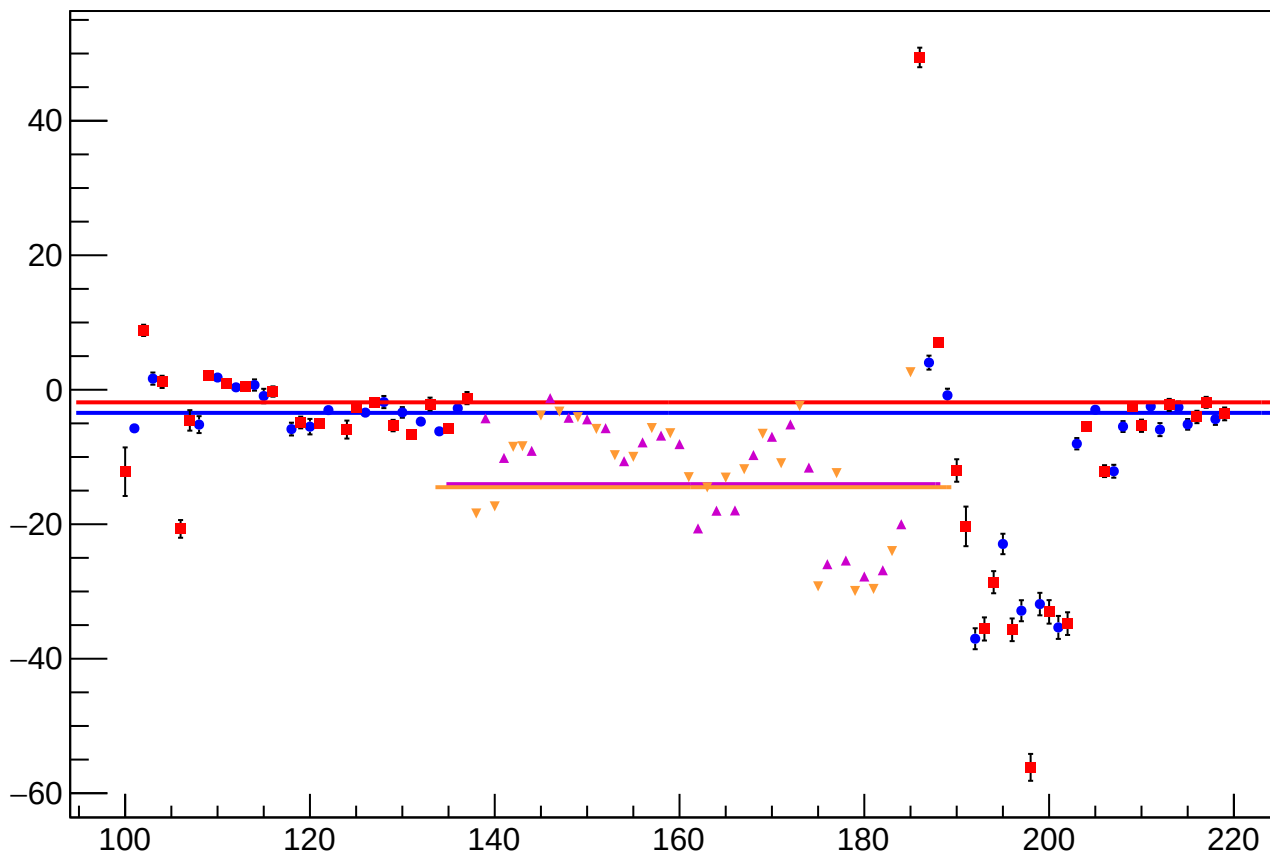
Left In: -0.133 ± 0.001 χ^2/NDF : 5529.7/22

+ sign -0.174 ± 0.001 χ^2/NDF : 21642.5/56

All: -0.170 ± 0.001 χ^2/NDF : 48272.2/116

- sign -0.167 ± 0.001 χ^2/NDF : 26605.0/59

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -3.438 ± 0.132 $\chi^2/\text{NDF}: 2221.9/31$

Left Out: -14.494 ± 0.075 $\chi^2/\text{NDF}: 17232.7/24$

Right Out: -1.873 ± 0.125 $\chi^2/\text{NDF}: 5058.9/36$

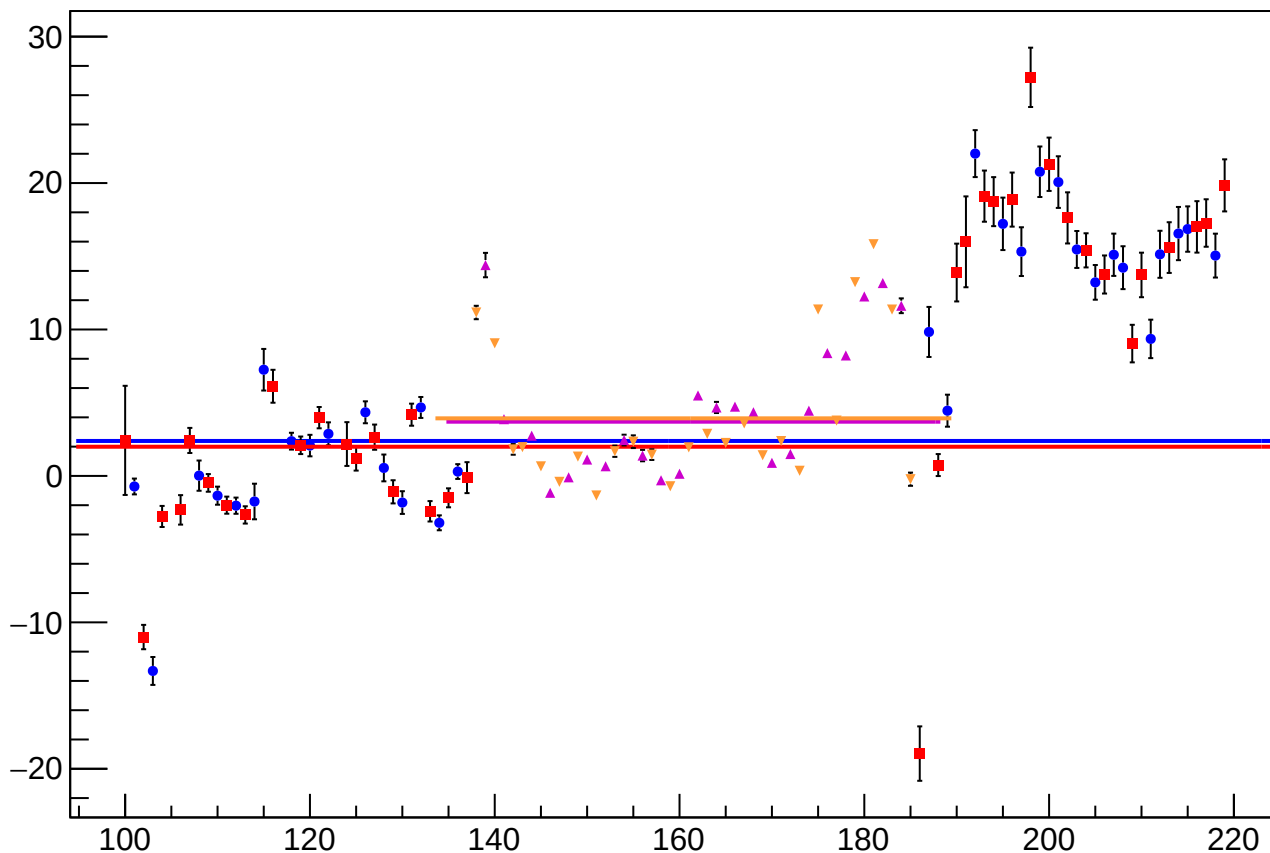
Left In: -14.038 ± 0.077 $\chi^2/\text{NDF}: 13482.5/22$

+ sign -11.794 ± 0.065 $\chi^2/\text{NDF}: 24795.8/56$

All: -11.262 ± 0.046 $\chi^2/\text{NDF}: 50307.4/116$

- sign -10.723 ± 0.066 $\chi^2/\text{NDF}: 25376.9/59$

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.387 ± 0.157 $\chi^2/\text{NDF}: 1782.2/31$

Left Out: 3.932 ± 0.058 $\chi^2/\text{NDF}: 6979.2/24$

Right Out: 1.993 ± 0.158 $\chi^2/\text{NDF}: 1993.7/36$

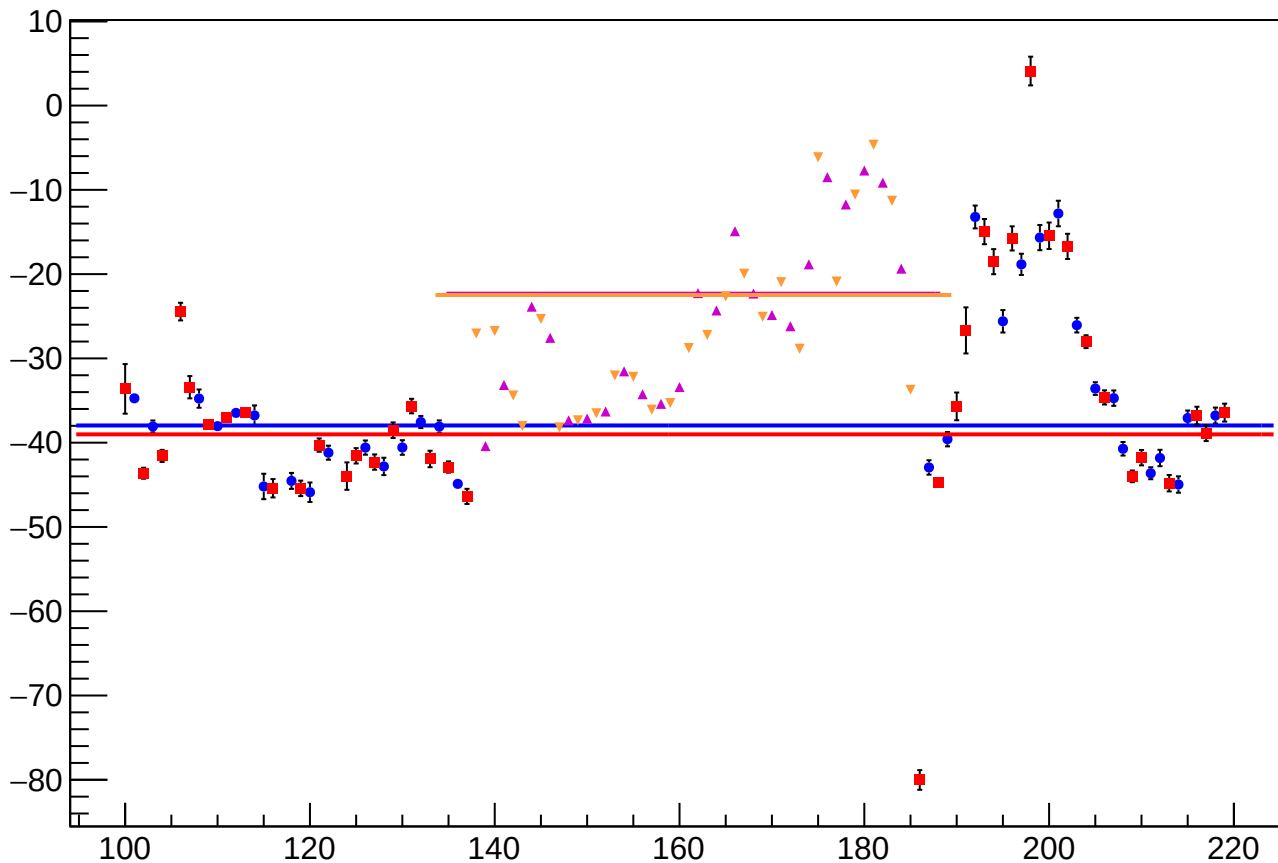
Left In: 3.703 ± 0.059 $\chi^2/\text{NDF}: 4788.5/22$

+ sign 3.746 ± 0.054 $\chi^2/\text{NDF}: 8846.9/56$

All: 3.623 ± 0.039 $\chi^2/\text{NDF}: 15741.9/116$

- sign 3.493 ± 0.056 $\chi^2/\text{NDF}: 6884.3/59$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.957 ± 0.144 χ^2/NDF : 2043.4/31

Left Out: -22.478 ± 0.075 χ^2/NDF : 20417.4/24

Right Out: -39.015 ± 0.141 χ^2/NDF : 4145.8/36

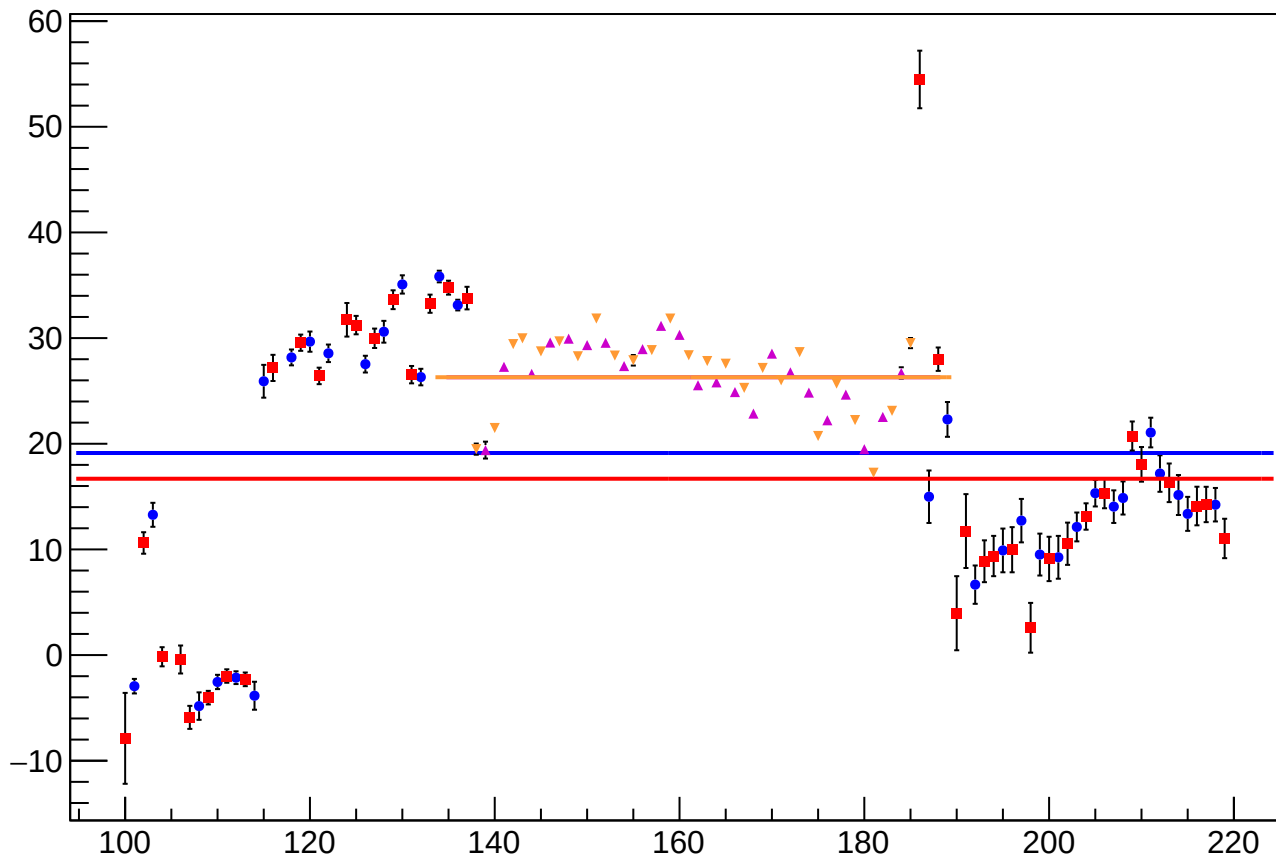
Left In: -22.322 ± 0.077 χ^2/NDF : 17133.3/22

+ sign -25.778 ± 0.066 χ^2/NDF : 31596.7/56

All: -25.946 ± 0.047 χ^2/NDF : 63694.1/116

- sign -26.118 ± 0.067 χ^2/NDF : 32084.5/59

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.125+/-0.177 χ^2/NDF : 6925.8/31

Left Out: 26.296+/-0.065 χ^2/NDF : 3307.8/24

Right Out: 16.689+/-0.180 χ^2/NDF : 7181.6/36

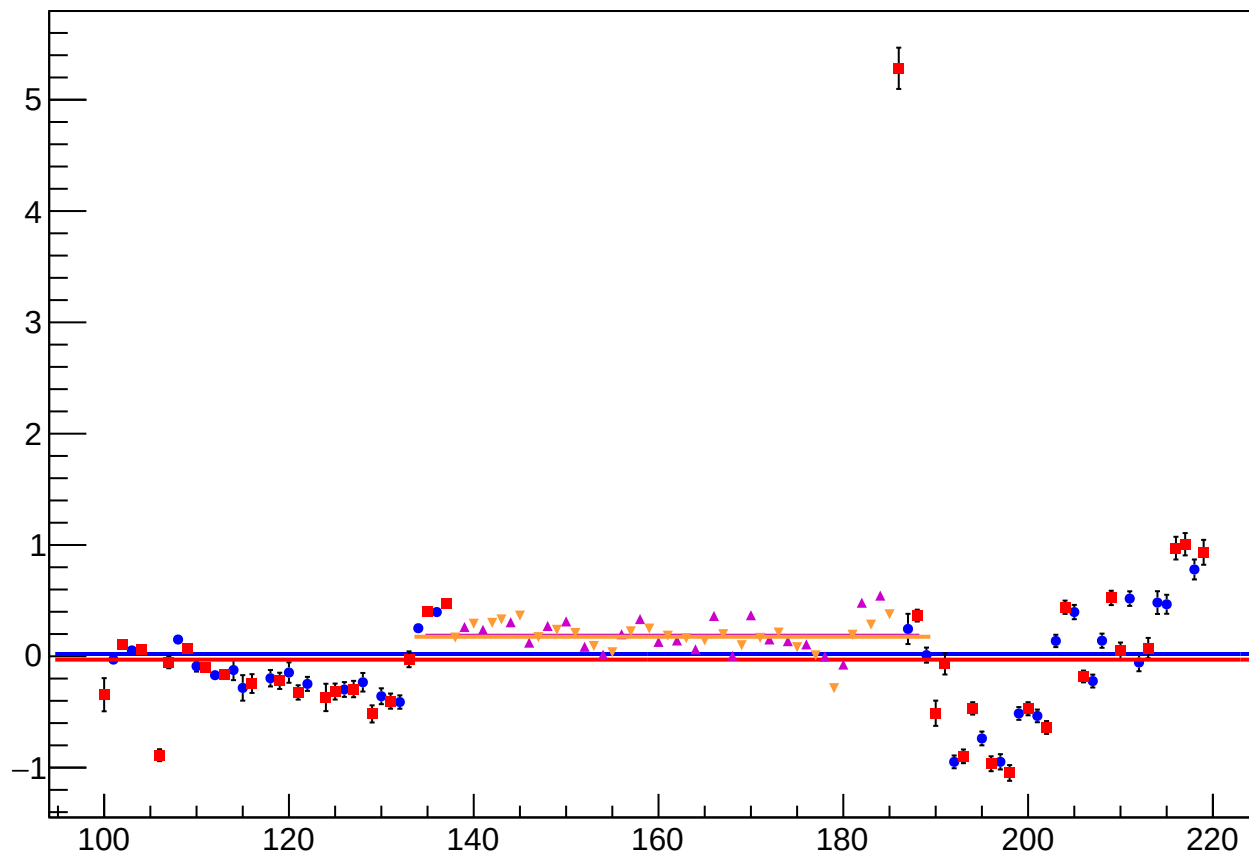
Left In: 26.292+/-0.067 χ^2/NDF : 2185.8/22

+ sign 25.438+/-0.061 χ^2/NDF : 11686.0/56

All: 25.289+/-0.044 χ^2/NDF : 23571.2/116

- sign 25.134+/-0.062 χ^2/NDF : 11873.1/59

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.021 ± 0.009 $\chi^2/\text{NDF}: 1663.2/31$

Left Out: 0.176 ± 0.003 $\chi^2/\text{NDF}: 1935.6/24$

Right Out: -0.030 ± 0.009 $\chi^2/\text{NDF}: 3000.7/36$

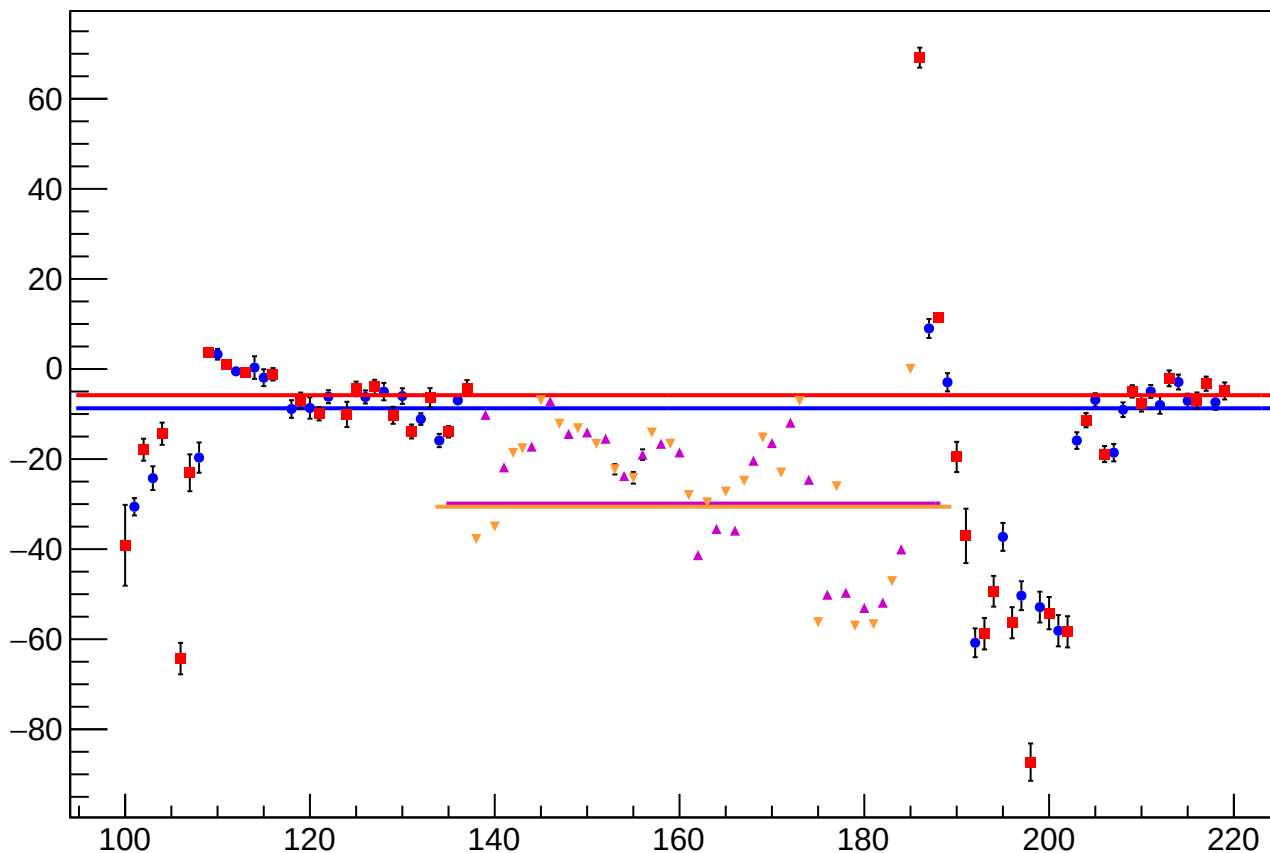
Left In: 0.185 ± 0.003 $\chi^2/\text{NDF}: 2538.5/22$

+ sign 0.160 ± 0.003 $\chi^2/\text{NDF}: 3875.0/56$

All: 0.162 ± 0.002 $\chi^2/\text{NDF}: 9912.0/116$

- sign 0.165 ± 0.003 $\chi^2/\text{NDF}: 6035.9/59$

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -8.722 ± 0.297 $\chi^2/\text{NDF}: 1444.8/31$

Left Out: -30.587 ± 0.142 $\chi^2/\text{NDF}: 16046.0/24$

Right Out: -5.813 ± 0.291 $\chi^2/\text{NDF}: 3515.6/36$

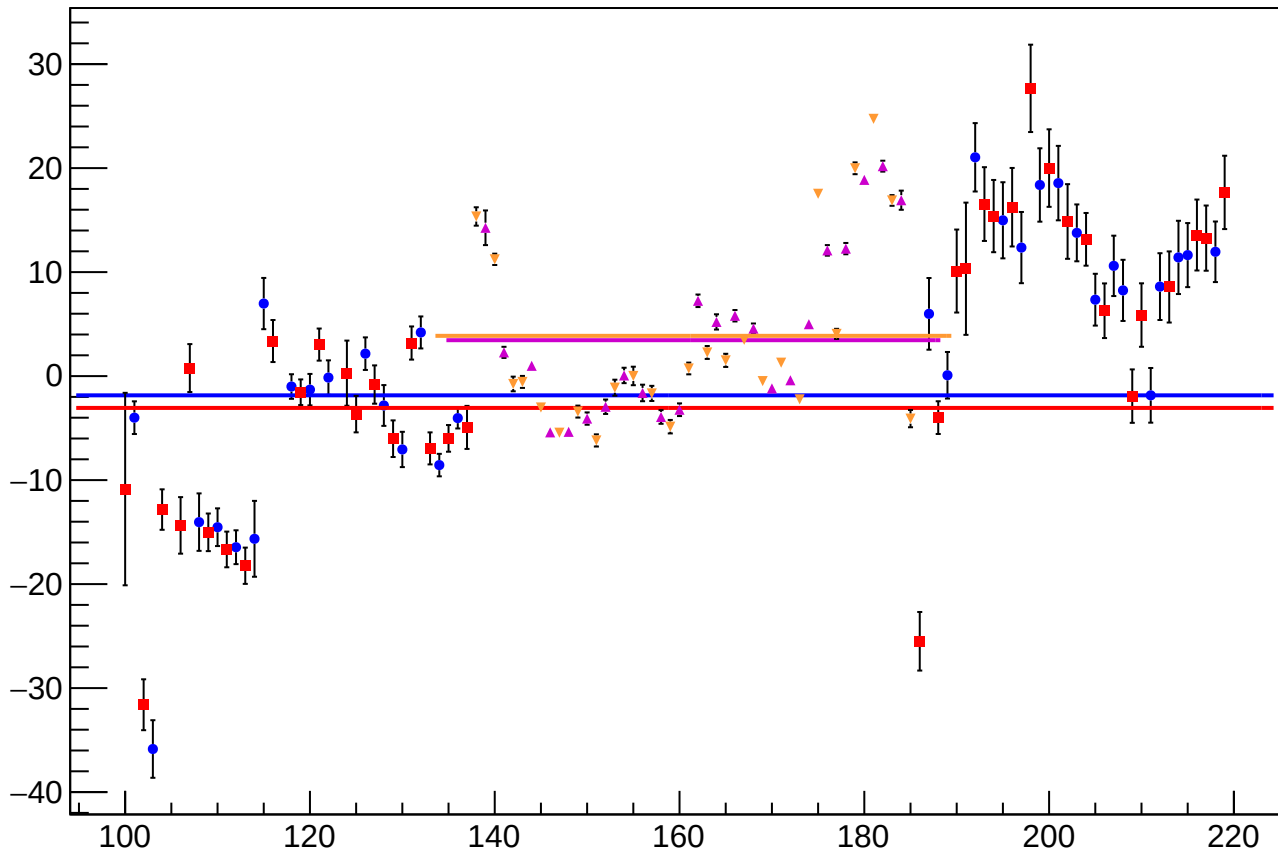
Left In: -29.878 ± 0.146 $\chi^2/\text{NDF}: 12034.7/22$

+ sign -26.520 ± 0.128 $\chi^2/\text{NDF}: 21893.3/56$

All: -25.787 ± 0.092 $\chi^2/\text{NDF}: 42969.8/116$

- sign -25.027 ± 0.131 $\chi^2/\text{NDF}: 21010.1/59$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -1.849 ± 0.350 χ^2/NDF : 706.4/31

Left Out: 3.873 ± 0.111 χ^2/NDF : 6542.0/24

Right Out: -3.059 ± 0.360 χ^2/NDF : 865.1/36

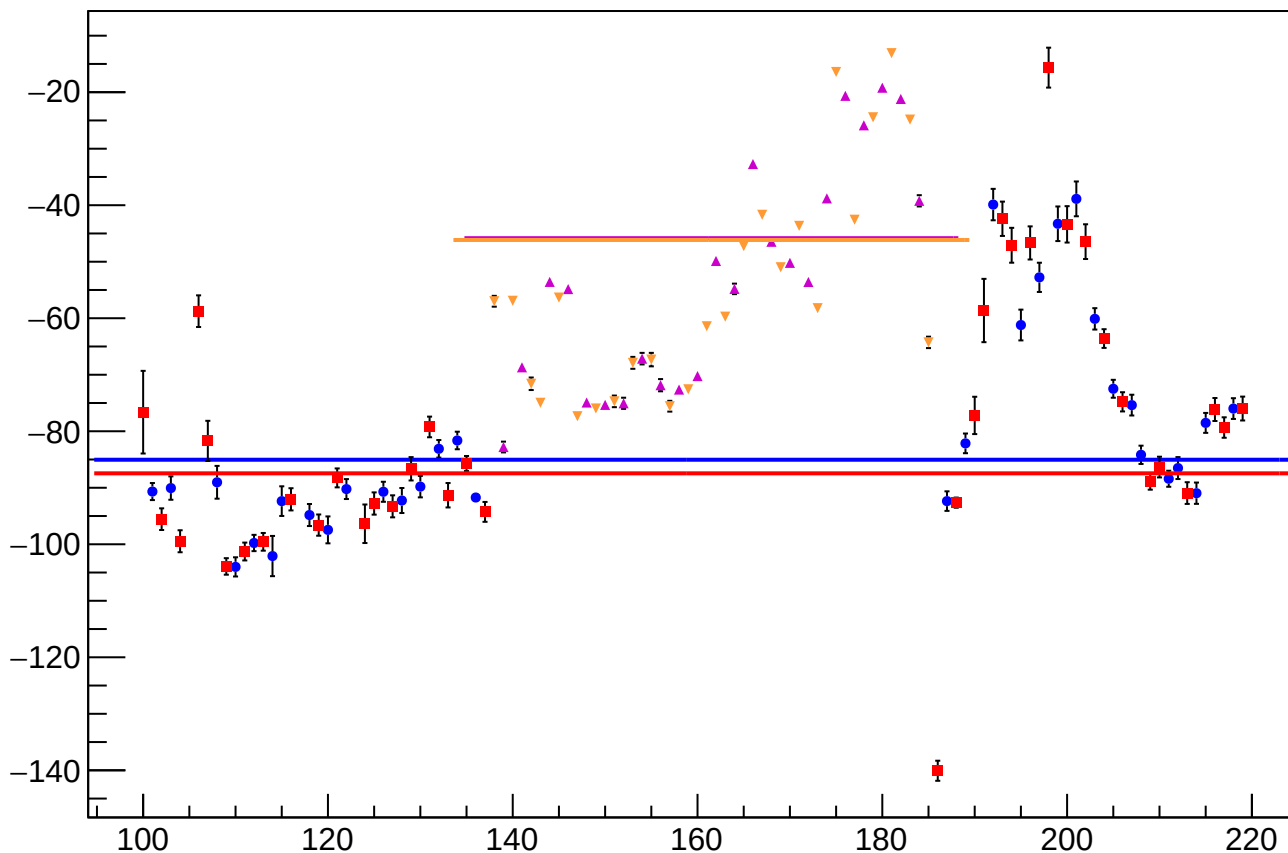
Left In: 3.453 ± 0.114 χ^2/NDF : 4693.7/22

+ sign 3.348 ± 0.106 χ^2/NDF : 7491.3/56

All: 3.110 ± 0.076 χ^2/NDF : 13358.6/116

- sign 2.861 ± 0.108 χ^2/NDF : 5856.9/59

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -85.039 ± 0.318 $\chi^2/\text{NDF}: 1681.4/31$

Left Out: -46.153 ± 0.142 $\chi^2/\text{NDF}: 21455.9/24$

Right Out: -87.445 ± 0.316 $\chi^2/\text{NDF}: 3179.6/36$

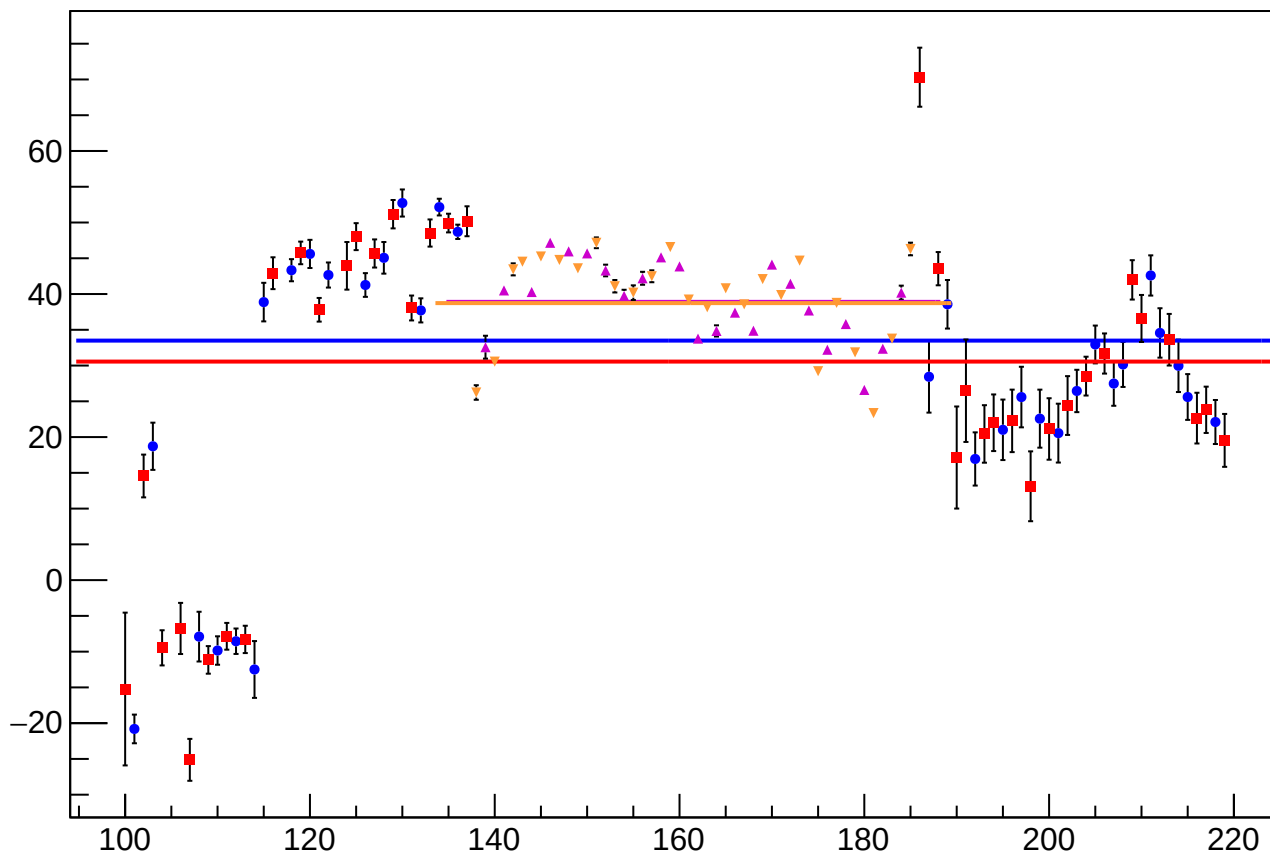
Left In: -45.833 ± 0.146 $\chi^2/\text{NDF}: 17924.6/22$

+ sign -52.636 ± 0.130 $\chi^2/\text{NDF}: 35568.1/56$

All: -52.899 ± 0.093 $\chi^2/\text{NDF}: 71004.5/116$

- sign -53.172 ± 0.133 $\chi^2/\text{NDF}: 35428.1/59$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.488 ± 0.392 χ^2/NDF : 2911.1/31

Left Out: 38.730 ± 0.125 χ^2/NDF : 2781.7/24

Right Out: 30.556 ± 0.408 χ^2/NDF : 3114.0/36

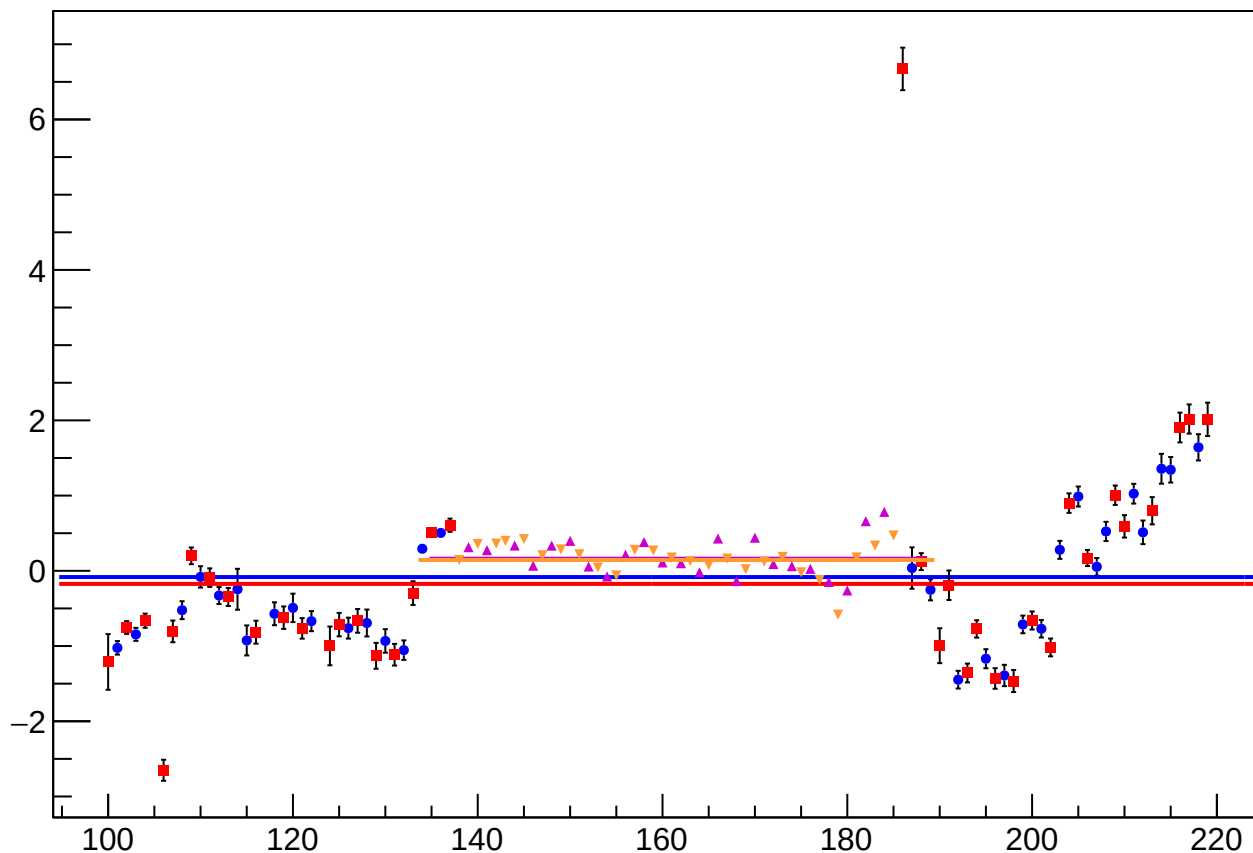
Left In: 38.905 ± 0.127 χ^2/NDF : 1971.6/22

+ sign 38.250 ± 0.119 χ^2/NDF : 5855.2/56

All: 38.207 ± 0.085 χ^2/NDF : 11322.7/116

- sign 38.162 ± 0.122 χ^2/NDF : 5467.3/59

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.083 ± 0.020 $\chi^2/\text{NDF}: 1395.5/31$

Left Out: 0.144 ± 0.006 $\chi^2/\text{NDF}: 1442.8/24$

Right Out: -0.174 ± 0.021 $\chi^2/\text{NDF}: 2341.6/36$

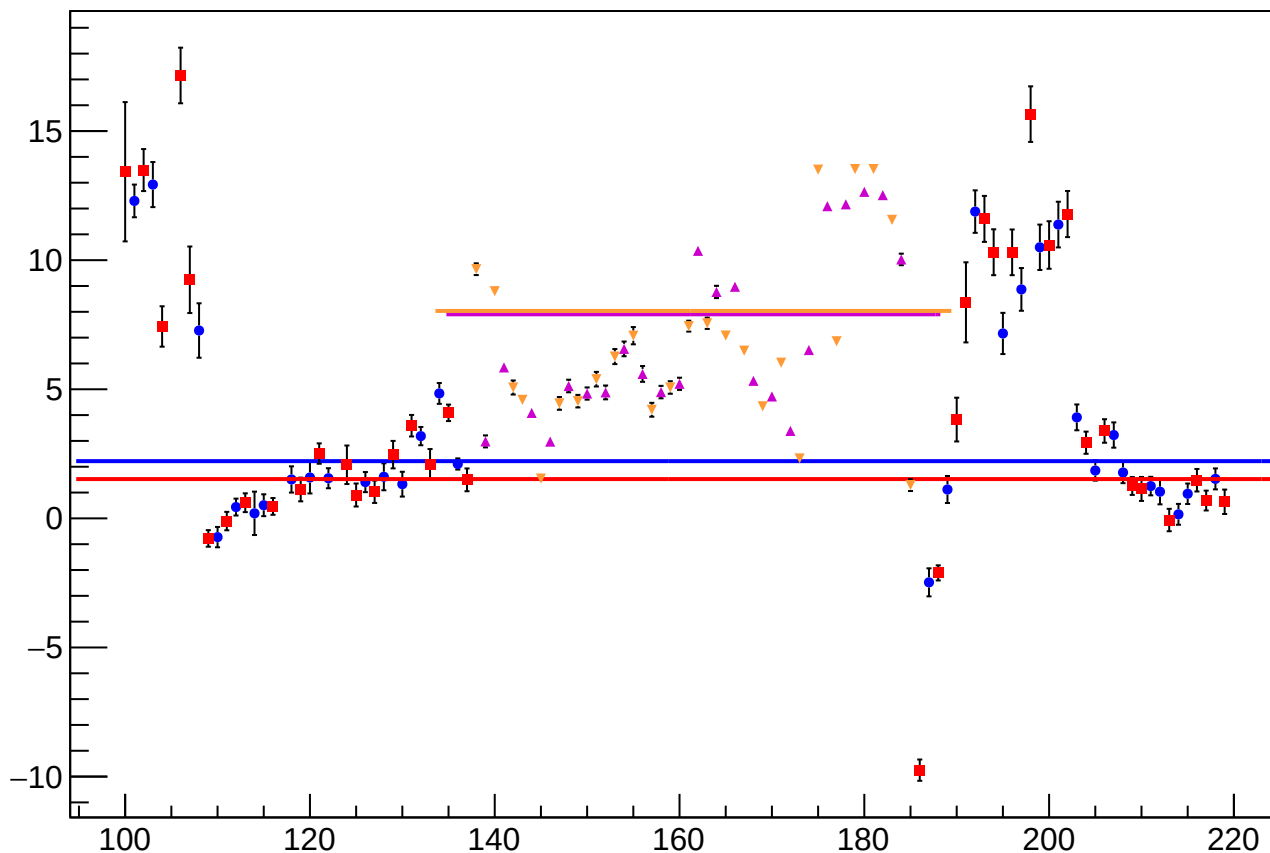
Left In: 0.161 ± 0.006 $\chi^2/\text{NDF}: 1918.8/22$

+ sign 0.127 ± 0.005 $\chi^2/\text{NDF}: 2961.2/56$

All: 0.132 ± 0.004 $\chi^2/\text{NDF}: 7465.5/116$

- sign 0.138 ± 0.005 $\chi^2/\text{NDF}: 4502.2/59$

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.217 ± 0.080 χ^2/NDF : 1185.3/31

Left Out: 8.034 ± 0.035 χ^2/NDF : 13924.1/24

Right Out: 1.522 ± 0.079 χ^2/NDF : 2435.7/36

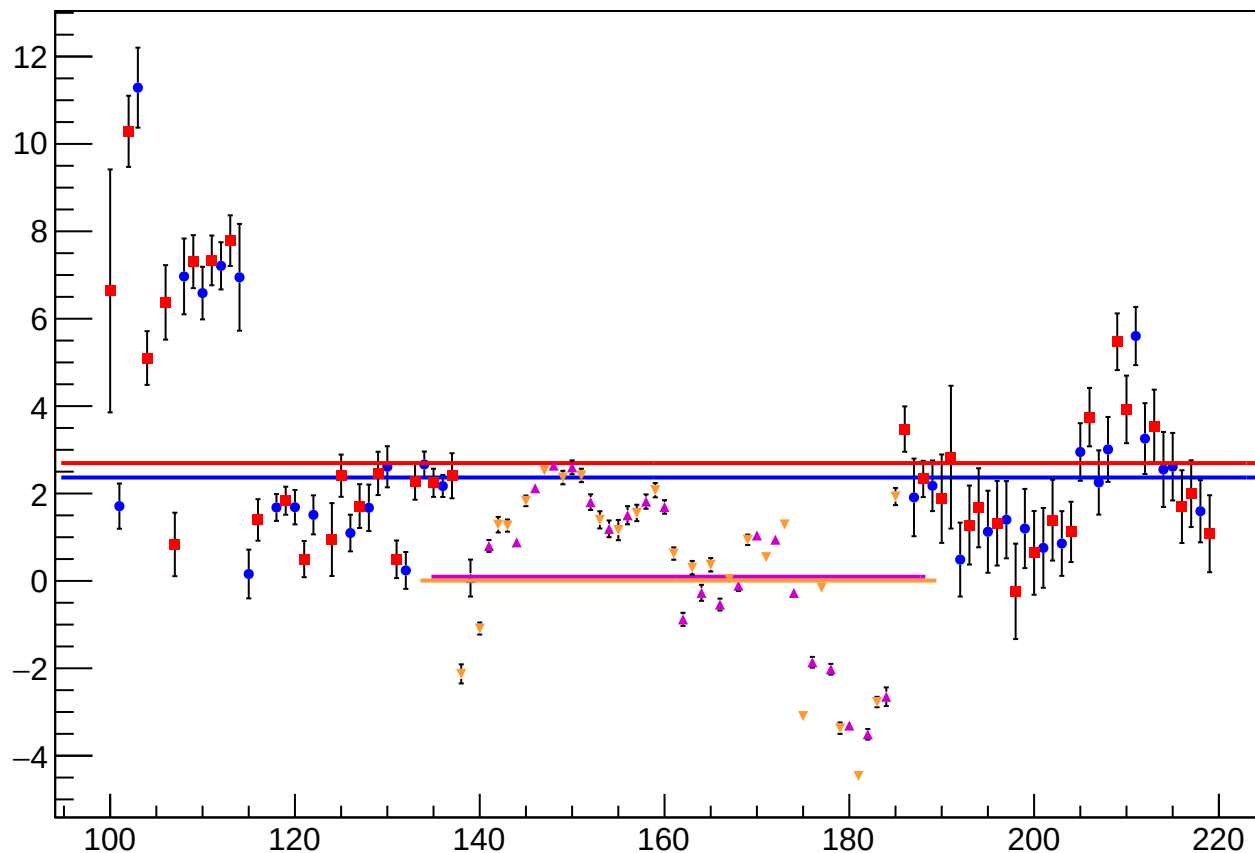
Left In: 7.903 ± 0.036 χ^2/NDF : 10017.8/22

+ sign 7.113 ± 0.032 χ^2/NDF : 19551.4/56

All: 6.965 ± 0.023 χ^2/NDF : 37493.2/116

- sign 6.809 ± 0.033 χ^2/NDF : 17897.3/59

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.366 $\pm$ 0.094 χ^2 /NDF: 378.9/31

Left Out: 0.009 $\pm$ 0.027 χ^2 /NDF: 5761.2/24

Right Out: 2.697 $\pm$ 0.097 χ^2 /NDF: 469.9/36

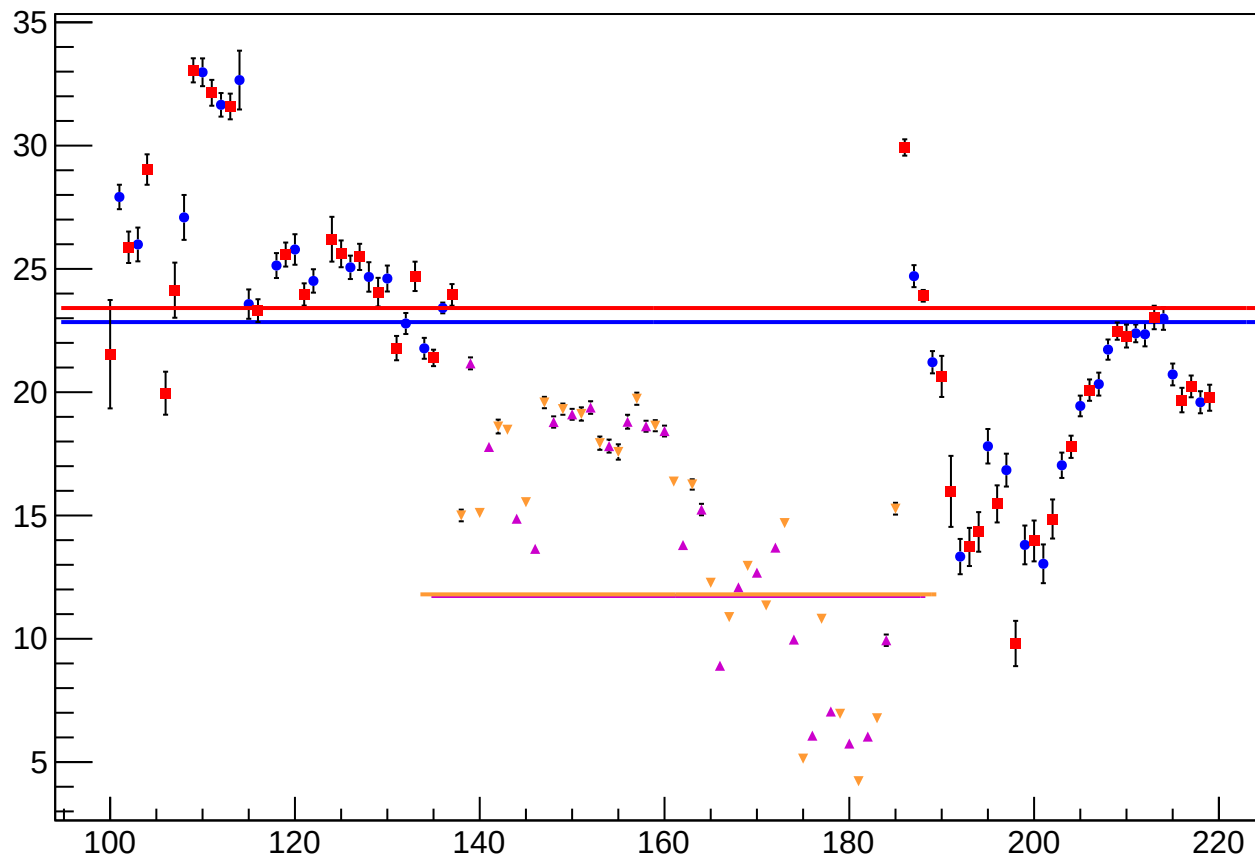
Left In: 0.096 $\pm$ 0.028 χ^2 /NDF: 4433.3/22

+ sign 0.193 $\pm$ 0.026 χ^2 /NDF: 6715.3/56

All: 0.244 $\pm$ 0.019 χ^2 /NDF: 12288.6/116

- sign 0.298 $\pm$ 0.027 χ^2 /NDF: 5565.7/59

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 22.843 $\pm$ 0.085 χ^2 /NDF: 1926.8/31

Left Out: 11.802 $\pm$ 0.035 χ^2 /NDF:21479.5/24

Right Out: 23.413 $\pm$ 0.084 χ^2 /NDF: 2819.8/36

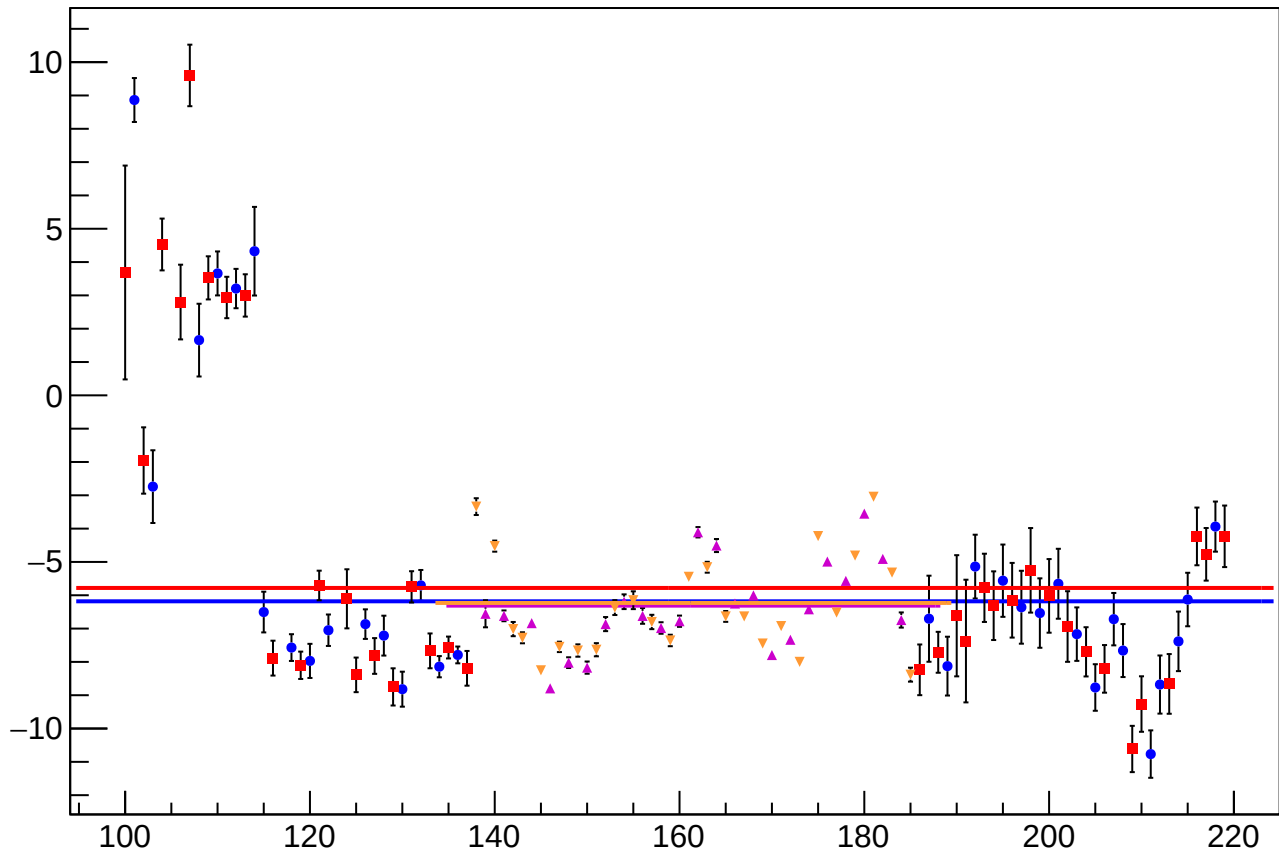
Left In: 11.735 $\pm$ 0.036 χ^2 /NDF:17999.5/22

+ sign 13.392 $\pm$ 0.032 χ^2 /NDF: 37868.1/56

All: 13.469 $\pm$ 0.023 χ^2 /NDF: 75212.5/116

- sign 13.548 $\pm$ 0.033 χ^2 /NDF: 37332.9/59

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -6.182 ± 0.106 χ^2/NDF : 1344.3/31

Left Out: -6.231 ± 0.031 χ^2/NDF : 2450.1/24

Right Out: -5.781 ± 0.110 χ^2/NDF : 1435.7/36

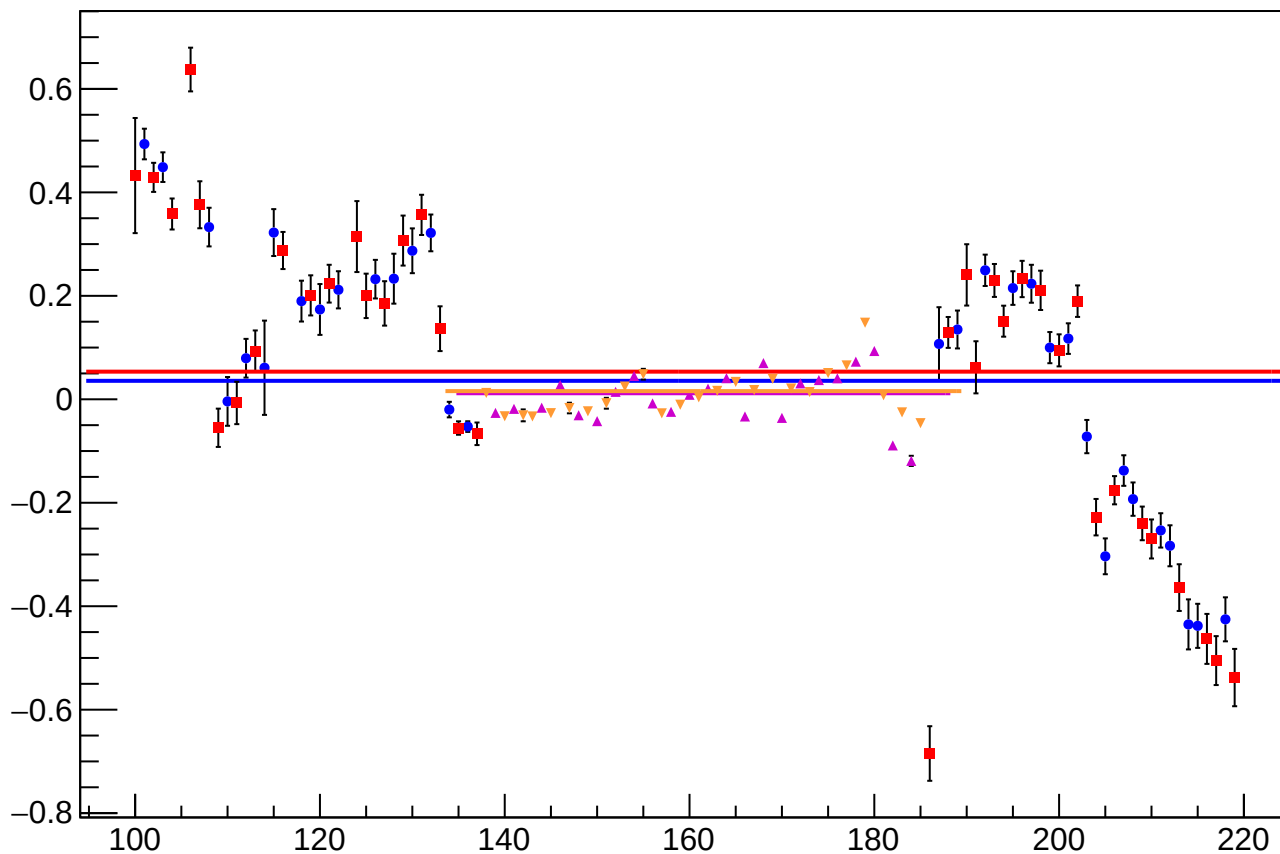
Left In: -6.311 ± 0.031 χ^2/NDF : 2030.2/22

+ sign -6.227 ± 0.029 χ^2/NDF : 3794.5/56

All: -6.248 ± 0.021 χ^2/NDF : 7282.9/116

- sign -6.271 ± 0.030 χ^2/NDF : 3487.3/59

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.036 ± 0.005 χ^2/NDF : 1625.5/31

Left Out: 0.016 ± 0.001 χ^2/NDF : 933.4/24

Right Out: 0.053 ± 0.006 χ^2/NDF : 1914.9/36

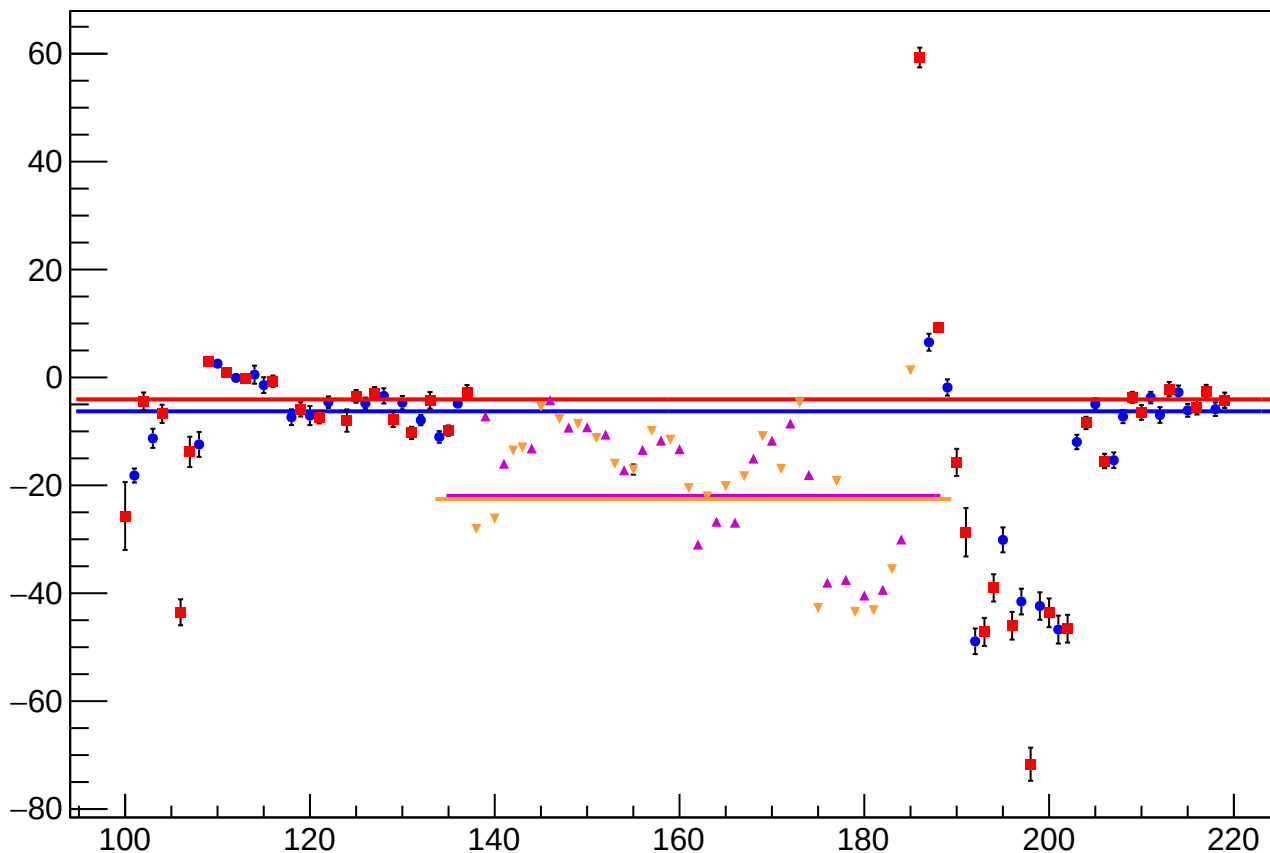
Left In: 0.012 ± 0.001 χ^2/NDF : 1297.5/22

+ sign 0.017 ± 0.001 χ^2/NDF : 2572.2/56

All: 0.016 ± 0.001 χ^2/NDF : 5839.4/116

- sign 0.014 ± 0.001 χ^2/NDF : 3264.8/59

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -6.280 ± 0.216 $\chi^2/\text{NDF}: 1617.8/31$

Left Out: -22.538 ± 0.108 $\chi^2/\text{NDF}: 16540.6/24$

Right Out: -4.062 ± 0.210 $\chi^2/\text{NDF}: 3915.4/36$

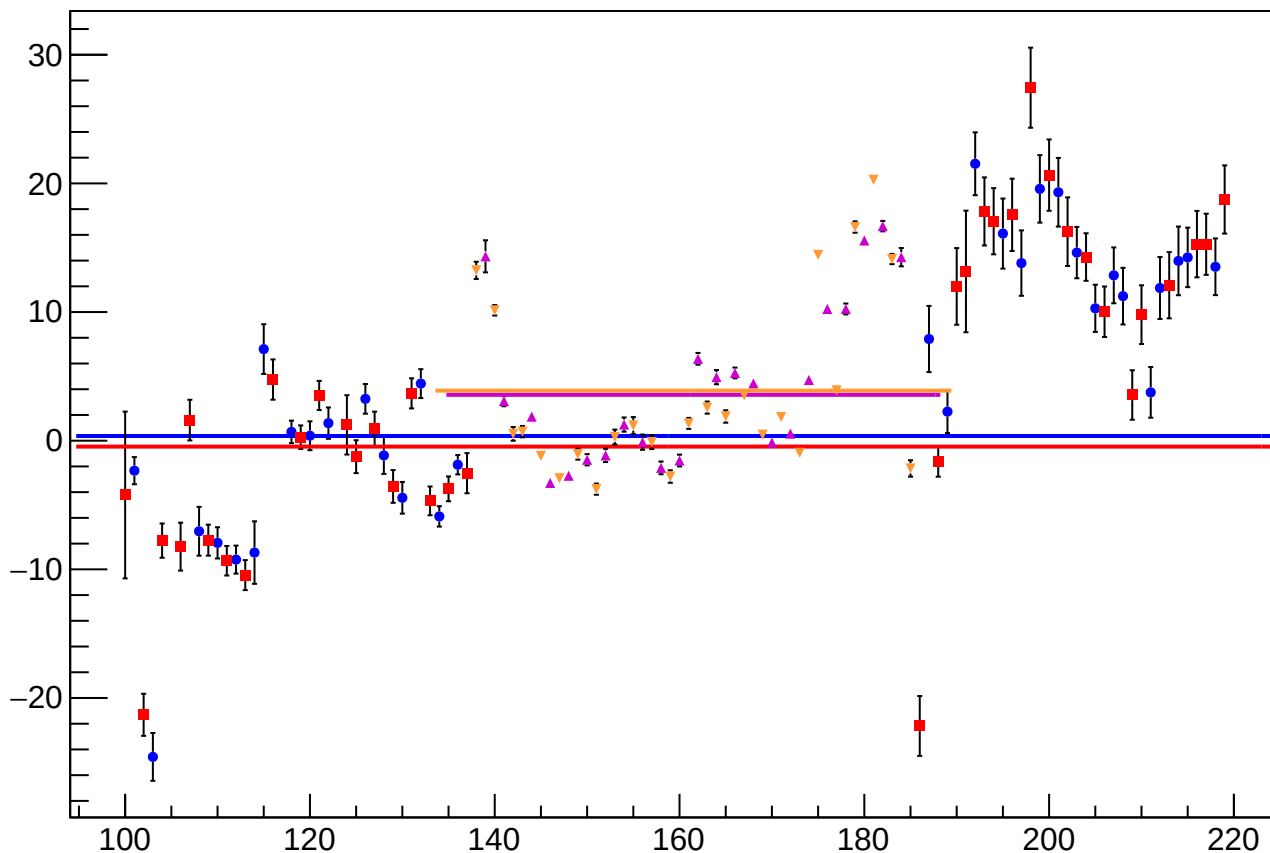
Left In: -21.957 ± 0.111 $\chi^2/\text{NDF}: 12585.3/22$

+ sign -19.278 ± 0.097 $\chi^2/\text{NDF}: 22693.3/56$

All: -18.671 ± 0.069 $\chi^2/\text{NDF}: 44942.0/116$

- sign -18.043 ± 0.098 $\chi^2/\text{NDF}: 22168.4/59$

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.365 ± 0.255 χ^2/NDF : 972.0/31

Left Out: 3.891 ± 0.084 χ^2/NDF : 6724.1/24

Right Out: -0.457 ± 0.261 χ^2/NDF : 1154.4/36

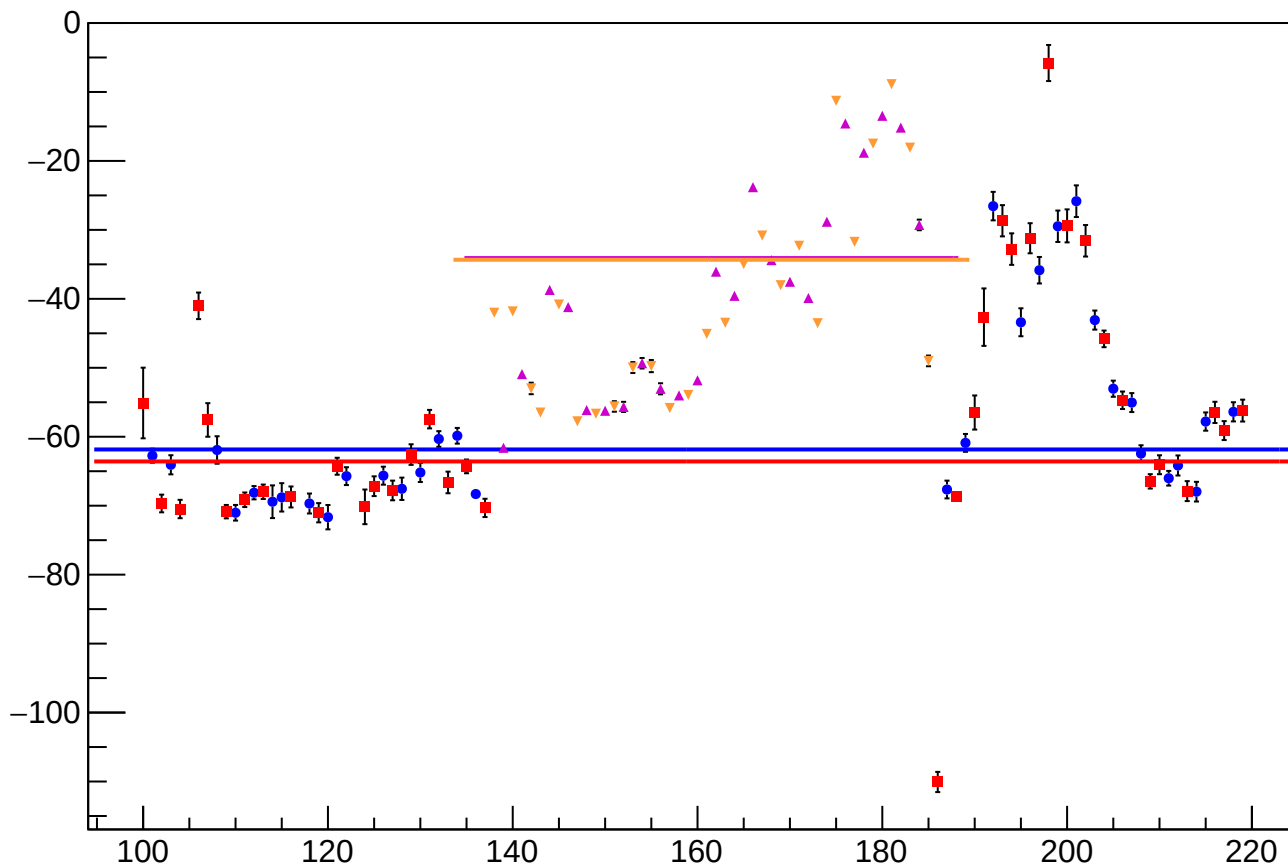
Left In: 3.565 ± 0.086 χ^2/NDF : 4739.4/22

+ sign 3.543 ± 0.080 χ^2/NDF : 7869.0/56

All: 3.360 ± 0.057 χ^2/NDF : 13988.2/116

- sign 3.169 ± 0.082 χ^2/NDF : 6108.5/59

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -61.845 ± 0.232 χ^2/NDF : 1685.0/31

Left Out: -34.334 ± 0.108 χ^2/NDF : 21200.8/24

Right Out: -63.584 ± 0.230 χ^2/NDF : 3371.6/36

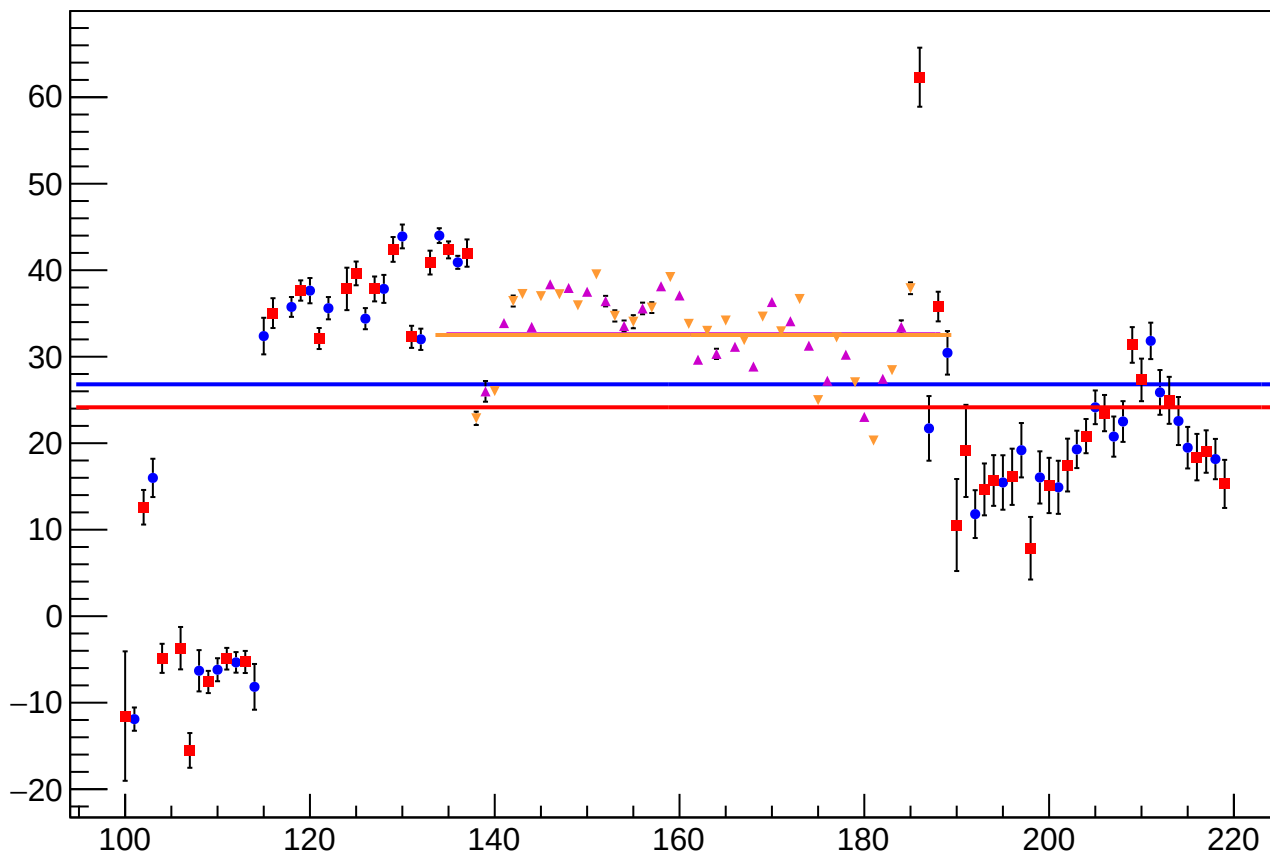
Left In: -34.091 ± 0.111 χ^2/NDF : 17726.5/22

+ sign -39.243 ± 0.098 χ^2/NDF : 34406.7/56

All: -39.447 ± 0.070 χ^2/NDF : 68851.3/116

- sign -39.658 ± 0.100 χ^2/NDF : 34435.8/59

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 26.808 $\pm$ 0.286 χ^2 /NDF: 3879.7/31

Left Out: 32.511 $\pm$ 0.095 χ^2 /NDF: 2938.0/24

Right Out: 24.152 $\pm$ 0.296 χ^2 /NDF: 4113.8/36

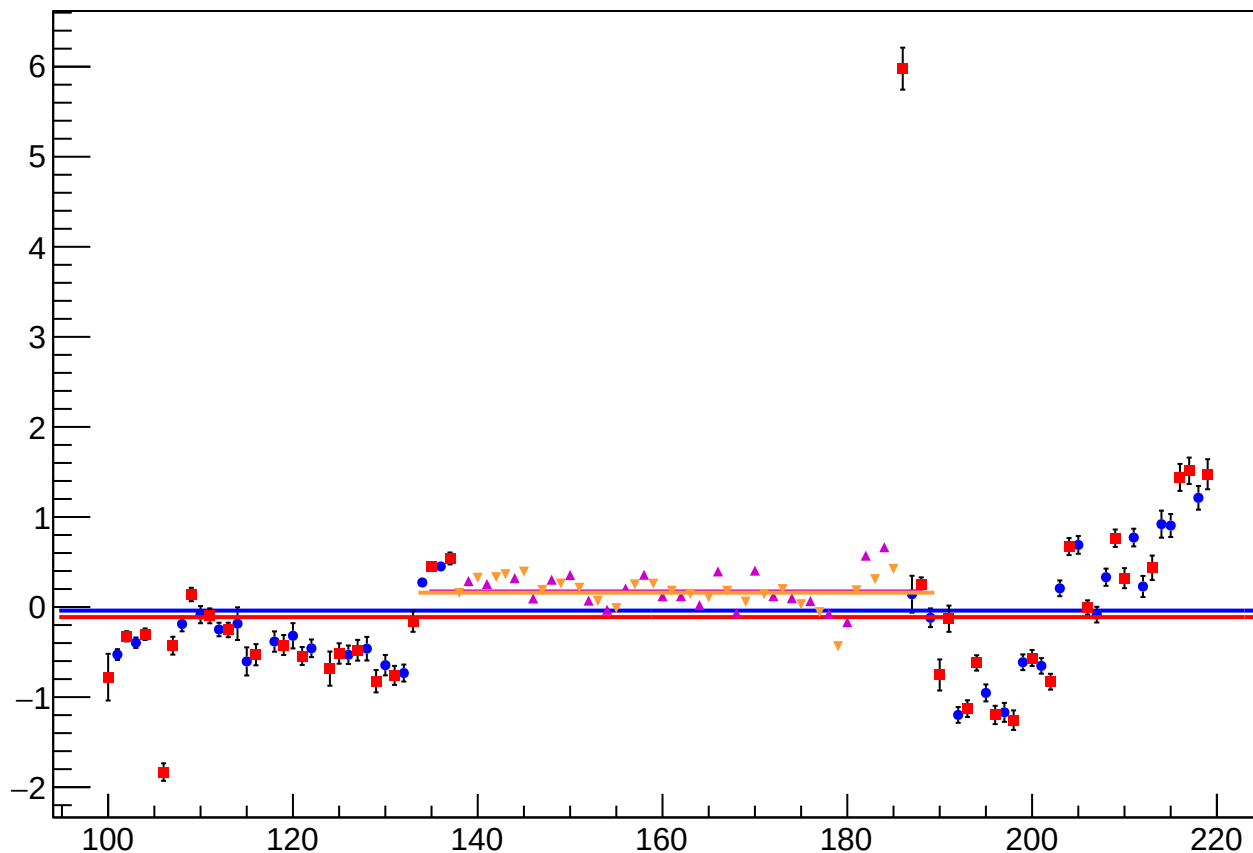
Left In: 32.598 $\pm$ 0.097 χ^2 /NDF: 2012.9/22

+ sign 31.948 $\pm$ 0.090 χ^2 /NDF: 7176.8/56

All: 31.867 $\pm$ 0.064 χ^2 /NDF: 14042.0/116

- sign 31.782 $\pm$ 0.092 χ^2 /NDF: 6863.5/59

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.039 ± 0.014 χ^2/NDF : 1407.3/31

Left Out: 0.160 ± 0.004 χ^2/NDF : 1613.0/24

Right Out: -0.112 ± 0.015 χ^2/NDF : 2511.9/36

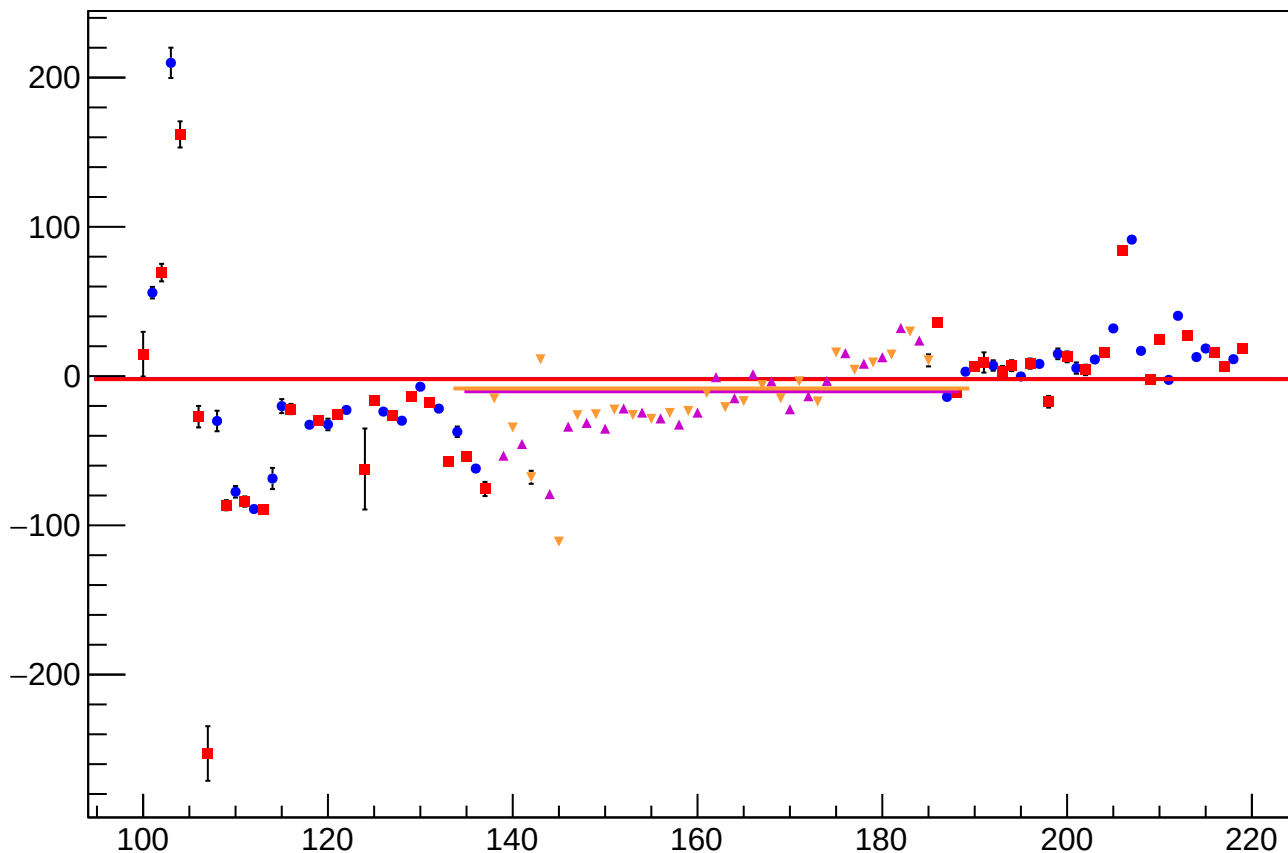
Left In: 0.173 ± 0.004 χ^2/NDF : 2129.7/22

+ sign 0.144 ± 0.004 χ^2/NDF : 3197.5/56

All: 0.148 ± 0.003 χ^2/NDF : 8170.5/116

- sign 0.152 ± 0.004 χ^2/NDF : 4971.2/59

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -1.930 ± 0.502 χ^2/NDF : 5075.3/31

Left Out: -8.298 ± 0.514 χ^2/NDF : 2559.6/24

Right Out: -2.040 ± 0.467 χ^2/NDF : 6023.0/36

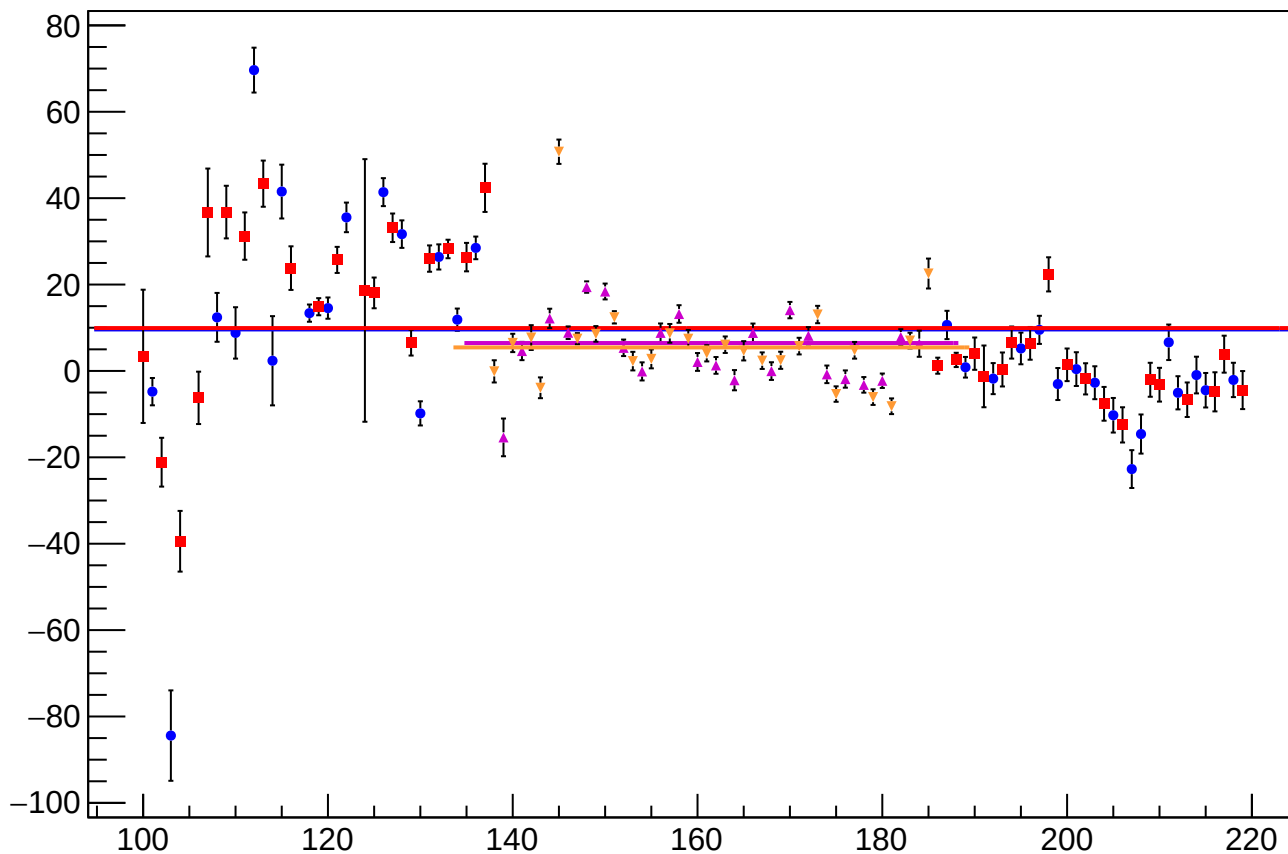
Left In: -10.183 ± 0.526 χ^2/NDF : 2518.4/22

+ sign -5.038 ± 0.359 χ^2/NDF : 7713.6/56

All: -5.342 ± 0.250 χ^2/NDF : 16390.2/116

- sign -5.630 ± 0.349 χ^2/NDF : 8675.3/59

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 9.605 ± 0.612 χ^2/NDF : 808.0/31

Left Out: 5.445 ± 0.394 χ^2/NDF : 493.7/24

Right Out: 9.923 ± 0.581 χ^2/NDF : 615.5/36

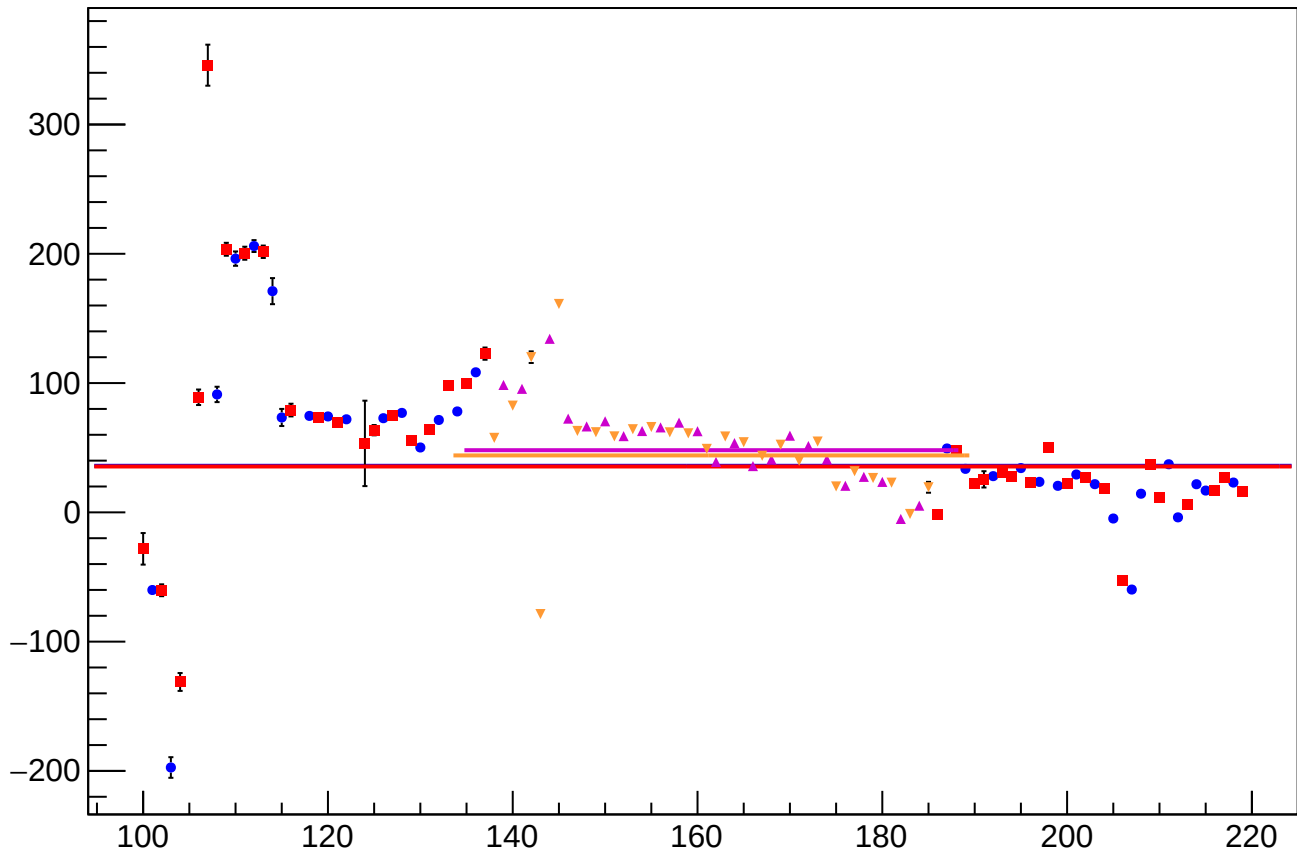
Left In: 6.461 ± 0.408 χ^2/NDF : 336.0/22

+ sign 6.664 ± 0.331 χ^2/NDF : 1334.4/56

All: 7.131 ± 0.235 χ^2/NDF : 2313.6/116

- sign 7.605 ± 0.334 χ^2/NDF : 975.2/59

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 36.010 $\pm$ 0.504 χ^2 /NDF: 8375.3/31

Left Out: 44.040 $\pm$ 0.510 χ^2 /NDF: 4563.8/24

Right Out: 35.479 $\pm$ 0.453 χ^2 /NDF: 9446.8/36

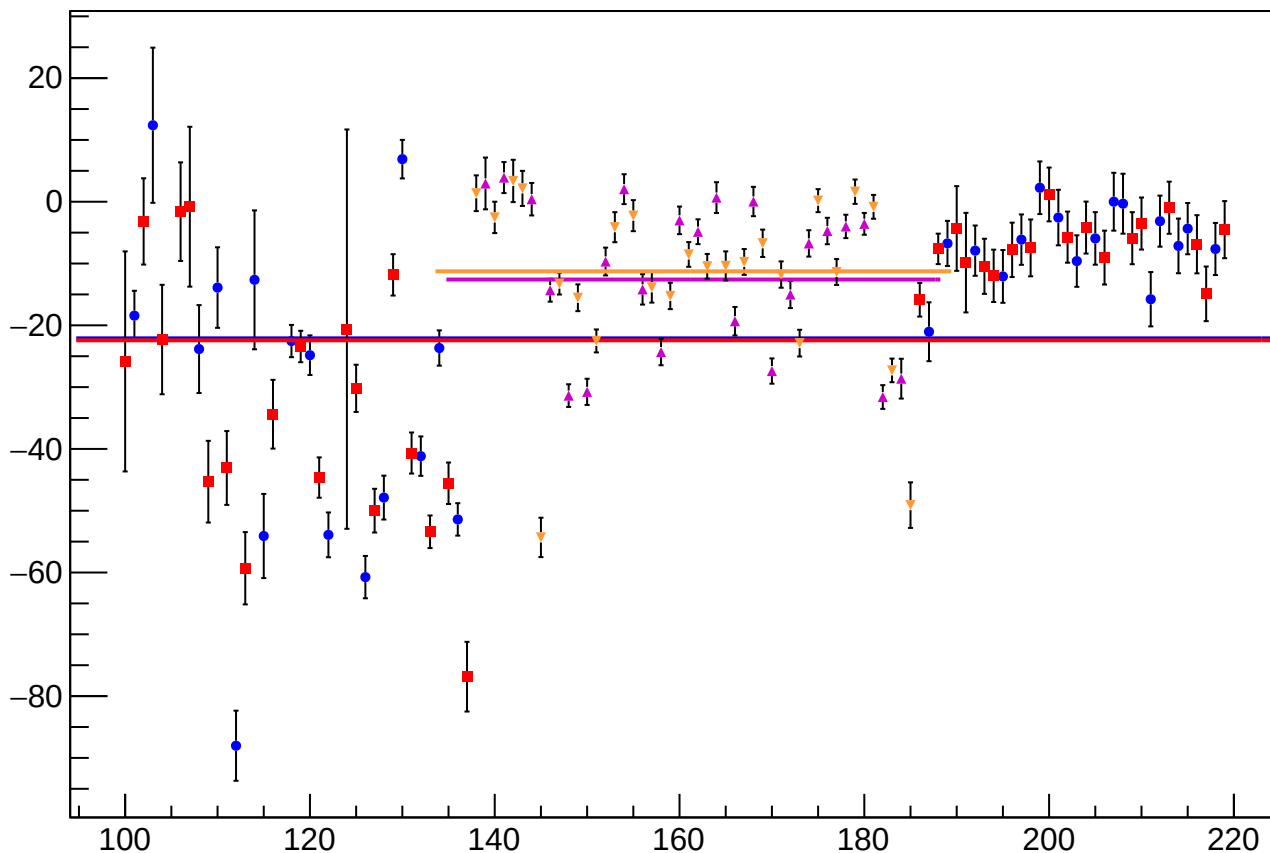
Left In: 48.076 $\pm$ 0.521 χ^2 /NDF: 3376.5/22

+ sign 39.979 $\pm$ 0.358 χ^2 /NDF: 13064.6/56

All: 40.459 $\pm$ 0.247 χ^2 /NDF: 26224.4/116

- sign 40.895 $\pm$ 0.342 χ^2 /NDF: 13156.3/59

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -22.110 ± 0.707 χ^2/NDF : 905.7/31

Left Out: -11.260 ± 0.445 χ^2/NDF : 643.3/24

Right Out: -22.422 ± 0.692 χ^2/NDF : 766.0/36

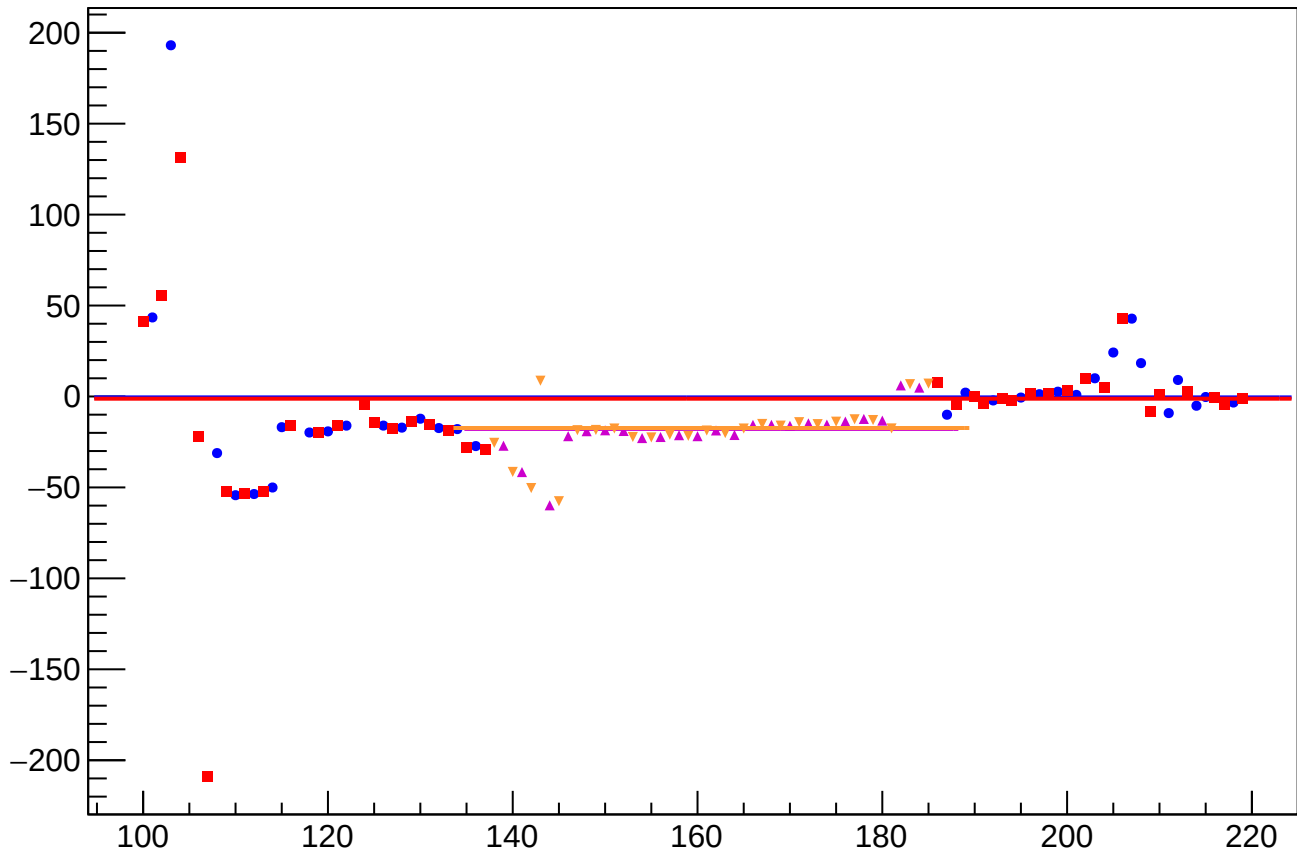
Left In: -12.589 ± 0.459 χ^2/NDF : 671.8/22

+ sign -14.340 ± 0.377 χ^2/NDF : 1717.7/56

All: -14.955 ± 0.268 χ^2/NDF : 3301.1/116

- sign -15.590 ± 0.382 χ^2/NDF : 1577.9/59

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.502 ± 0.033 χ^2/NDF : 648209.1/31

Left Out: -17.330 ± 0.020 χ^2/NDF : 347790.9/24

Right Out: -1.213 ± 0.033 χ^2/NDF : 571817.9/36

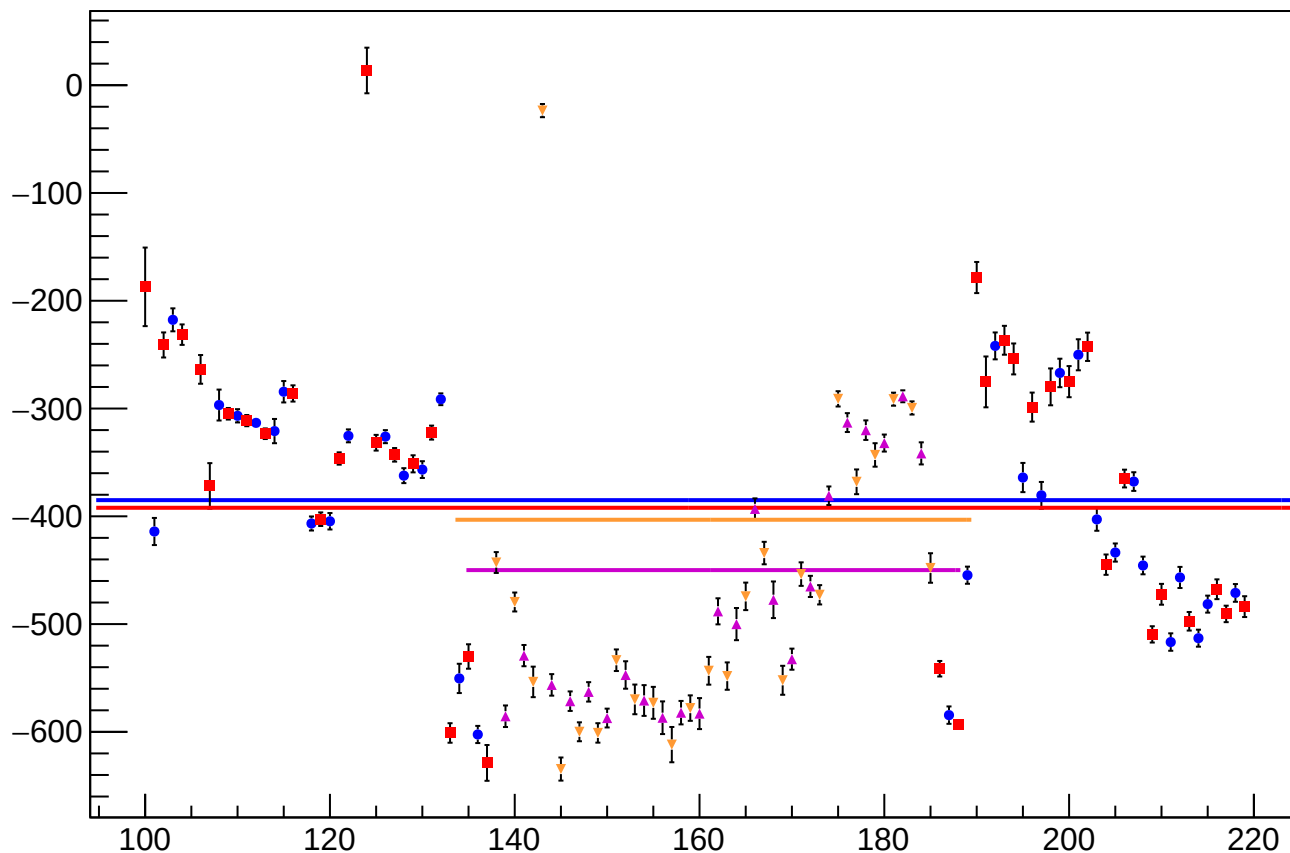
Left In: -17.829 ± 0.020 χ^2/NDF : 267426.0/22

+ sign -12.909 ± 0.017 χ^2/NDF : 1182641.9/56

All: -13.071 ± 0.012 χ^2/NDF : 2207430.3/116

- sign -13.237 ± 0.017 χ^2/NDF : 1024606.9/59

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -384.999 ± 1.437 χ^2/NDF : 4182.6/31

Left Out: -403.195 ± 1.928 χ^2/NDF : 7750.3/24

Right Out: -392.074 ± 1.360 χ^2/NDF : 7269.2/36

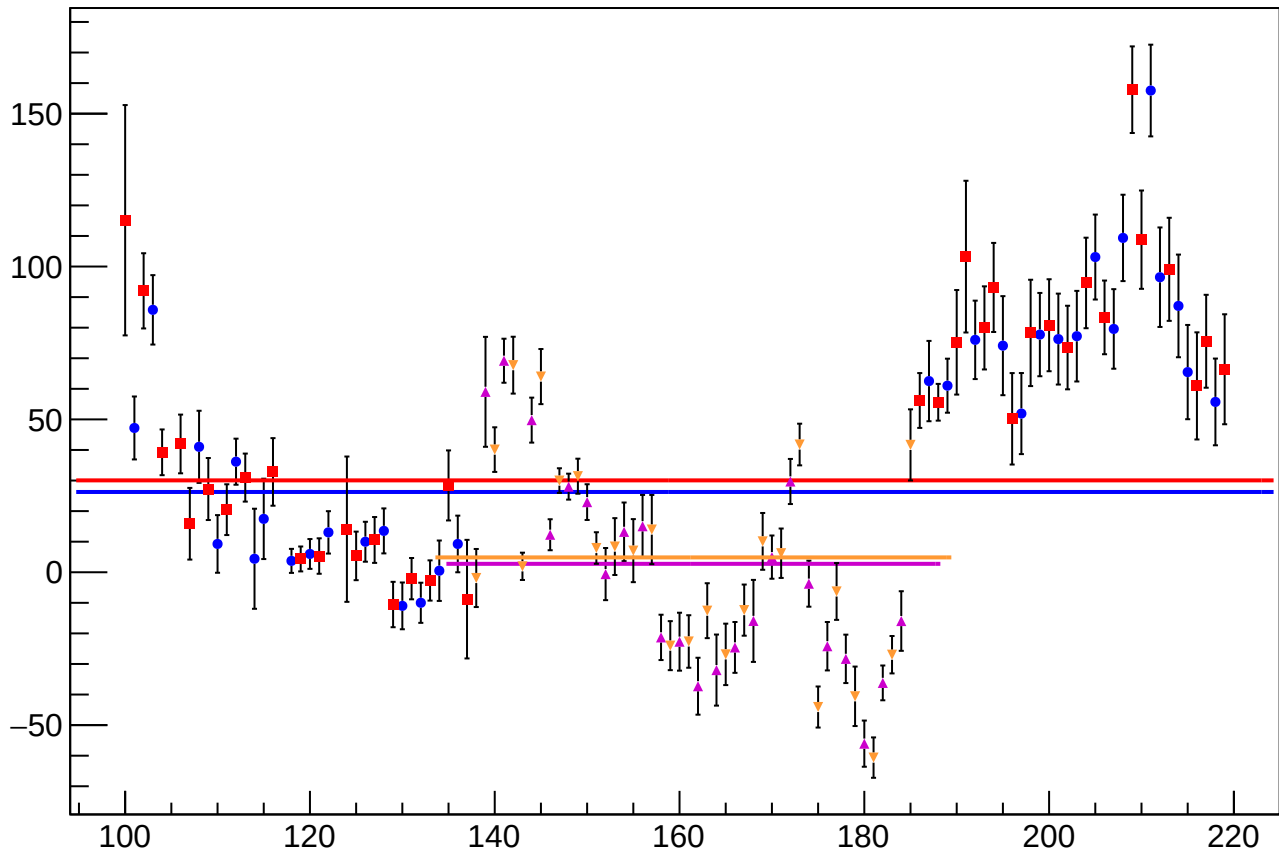
Left In: -449.912 ± 2.043 χ^2/NDF : 3218.9/22

+ sign -391.498 ± 1.152 χ^2/NDF : 11990.2/56

All: -400.826 ± 0.808 χ^2/NDF : 23162.4/116

- sign -409.837 ± 1.132 χ^2/NDF : 11043.3/59

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 26.260 ± 1.622 $\chi^2/\text{NDF}: 457.0/31$

Left Out: 4.858 ± 1.447 $\chi^2/\text{NDF}: 457.2/24$

Right Out: 30.053 ± 1.585 $\chi^2/\text{NDF}: 475.1/36$

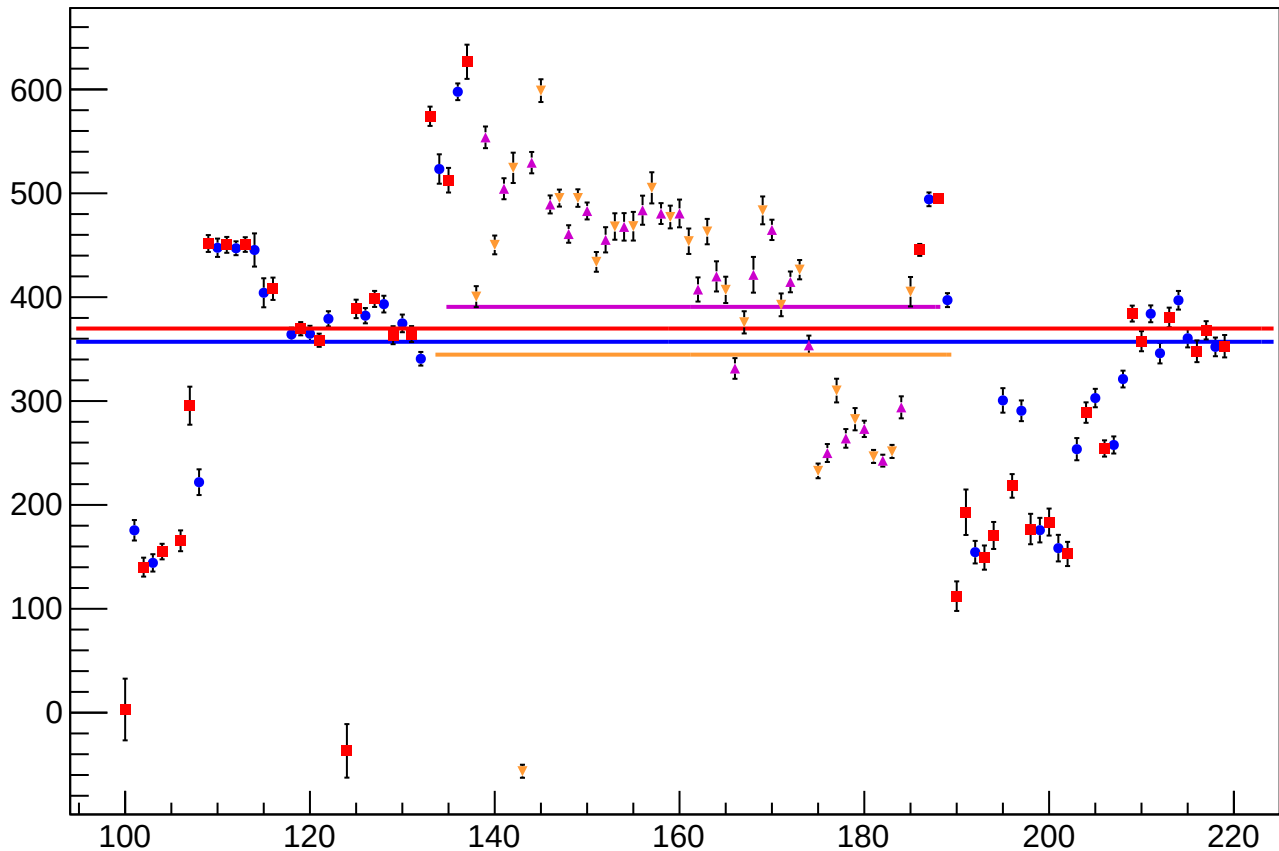
Left In: 2.756 ± 1.554 $\chi^2/\text{NDF}: 399.6/22$

+ sign 14.343 ± 1.080 $\chi^2/\text{NDF}: 1011.2/56$

All: 15.217 ± 0.774 $\chi^2/\text{NDF}: 2038.5/116$

- sign 16.140 ± 1.110 $\chi^2/\text{NDF}: 1026.0/59$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 357.054 $\pm$ 1.534 χ^2/NDF : 4210.3/31

Left Out: 344.680 $\pm$ 1.924 χ^2/NDF : 7278.2/24

Right Out: 369.816 $\pm$ 1.422 χ^2/NDF : 7221.5/36

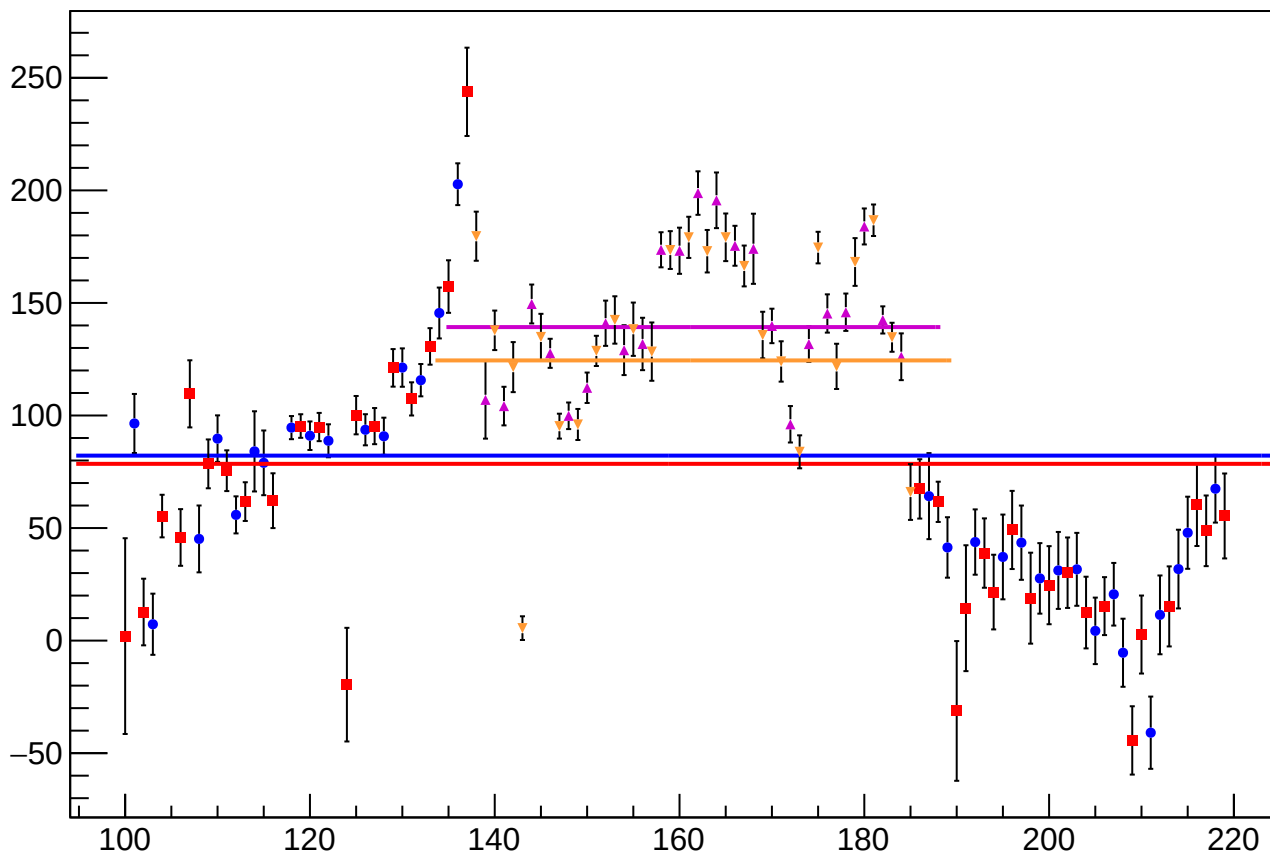
Left In: 390.672 $\pm$ 2.029 χ^2/NDF : 2672.8/22

+ sign 352.244 $\pm$ 1.200 χ^2/NDF : 11513.8/56

All: 364.825 $\pm$ 0.836 χ^2/NDF : 21692.6/116

- sign 376.686 $\pm$ 1.165 χ^2/NDF : 9965.1/59

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 82.175 ± 1.886 χ^2/NDF : 533.1/31

Left Out: 124.466 ± 1.662 χ^2/NDF : 937.6/24

Right Out: 78.523 ± 1.854 χ^2/NDF : 504.0/36

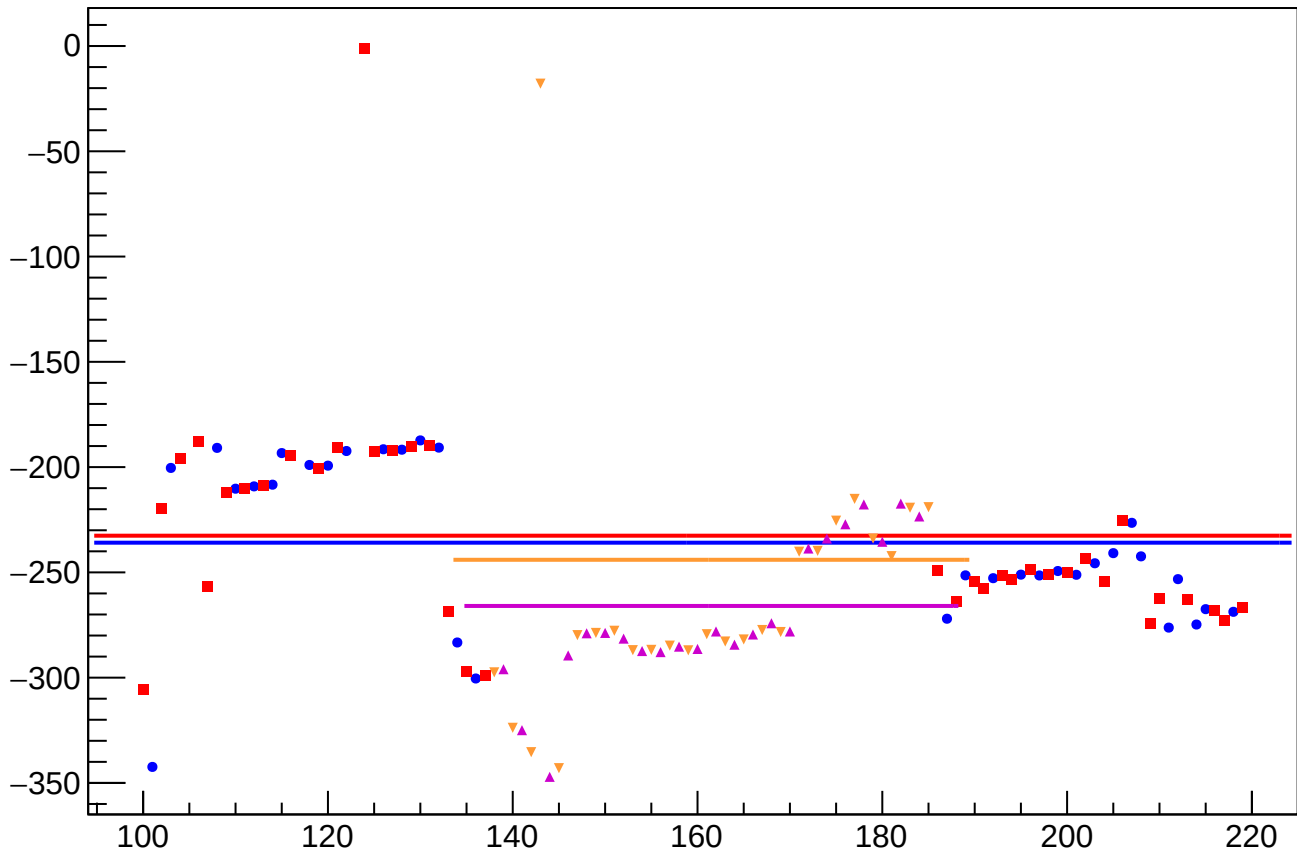
Left In: 139.274 ± 1.769 χ^2/NDF : 260.9/22

+ sign 105.979 ± 1.247 χ^2/NDF : 1753.8/56

All: 108.090 ± 0.893 χ^2/NDF : 3086.5/116

- sign 110.314 ± 1.280 χ^2/NDF : 1326.9/59

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -235.896 ± 0.103 $\chi^2/\text{NDF}: 144654.5/31$

Left Out: -244.021 ± 0.077 $\chi^2/\text{NDF}: 997959.6/24$

Right Out: -232.576 ± 0.099 $\chi^2/\text{NDF}: 122112.5/36$

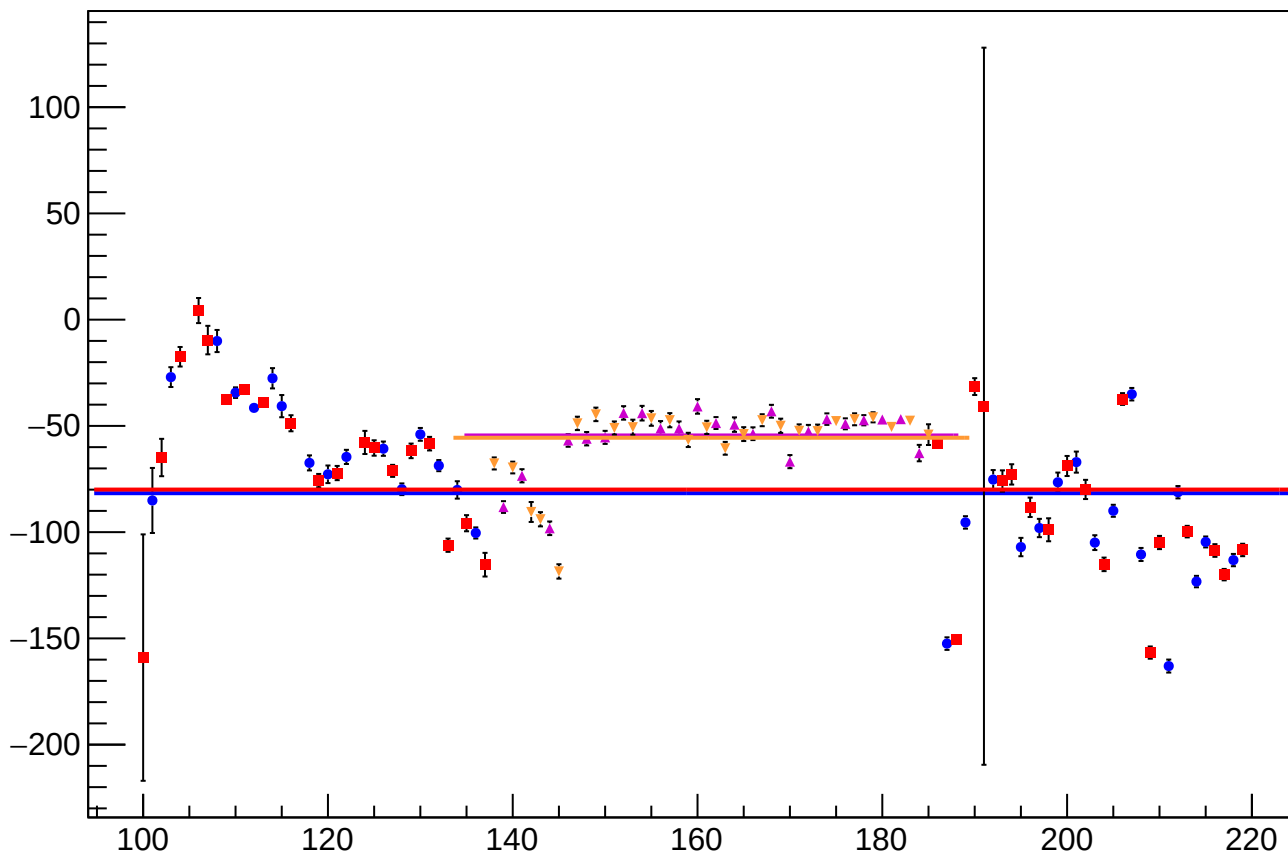
Left In: -265.945 ± 0.081 $\chi^2/\text{NDF}: 169943.2/22$

+ sign -241.078 ± 0.062 $\chi^2/\text{NDF}: 1146611.7/56$

All: -246.807 ± 0.044 $\chi^2/\text{NDF}: 1524439.8/11$

- sign -252.667 ± 0.062 $\chi^2/\text{NDF}: 360423.3/59$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -81.675 ± 0.578 χ^2/NDF : 3660.9/31

Left Out: -55.575 ± 0.590 χ^2/NDF : 686.5/24

Right Out: -79.964 ± 0.532 χ^2/NDF : 5588.2/36

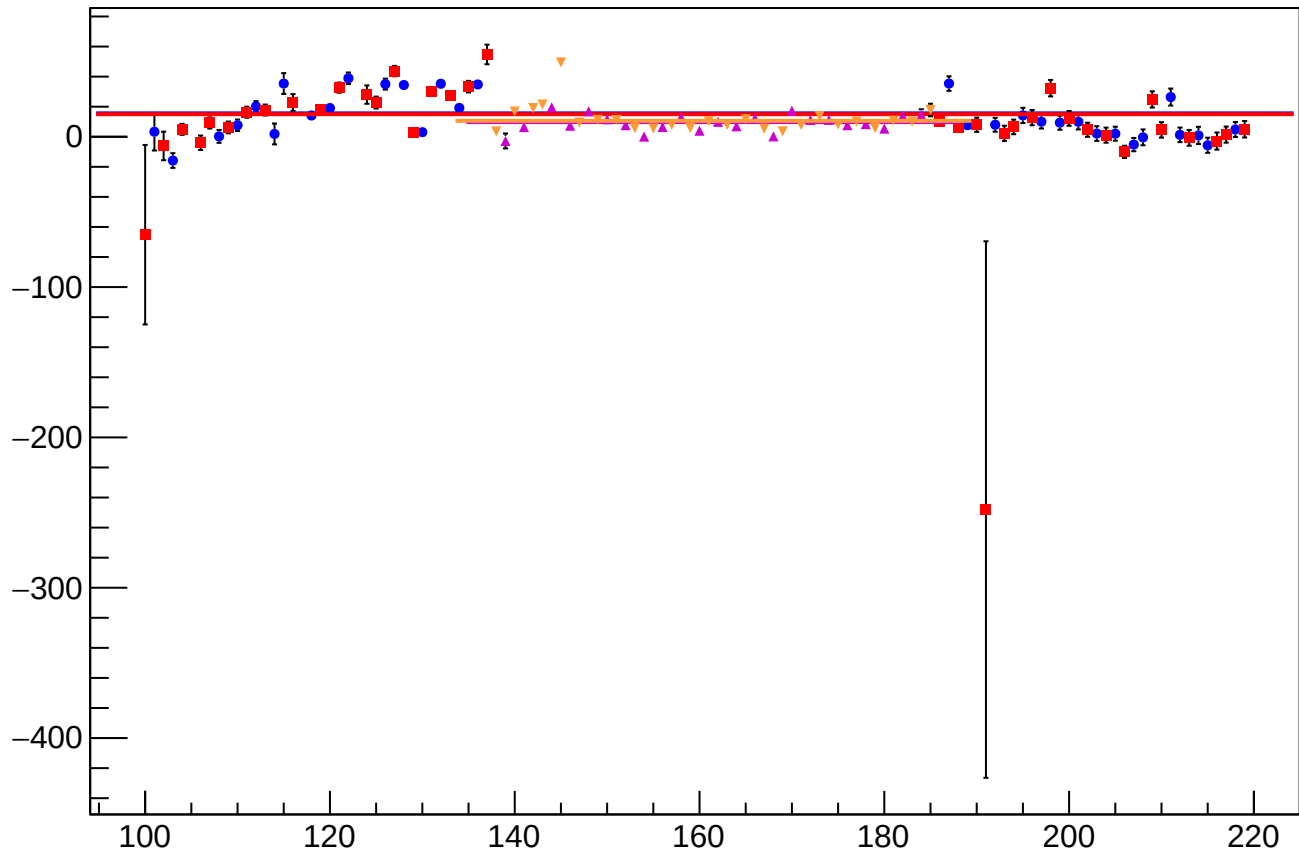
Left In: -54.499 ± 0.606 χ^2/NDF : 500.4/22

+ sign -68.887 ± 0.413 χ^2/NDF : 5345.4/56

All: -68.884 ± 0.287 χ^2/NDF : 12430.5/116

- sign -68.882 ± 0.400 χ^2/NDF : 7085.1/59

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 15.541 $\pm$ 0.700 χ^2 /NDF: 390.9/31

Left Out: 10.603 $\pm$ 0.449 χ^2 /NDF: 255.2/24

Right Out: 15.022 $\pm$ 0.649 χ^2 /NDF: 399.0/36

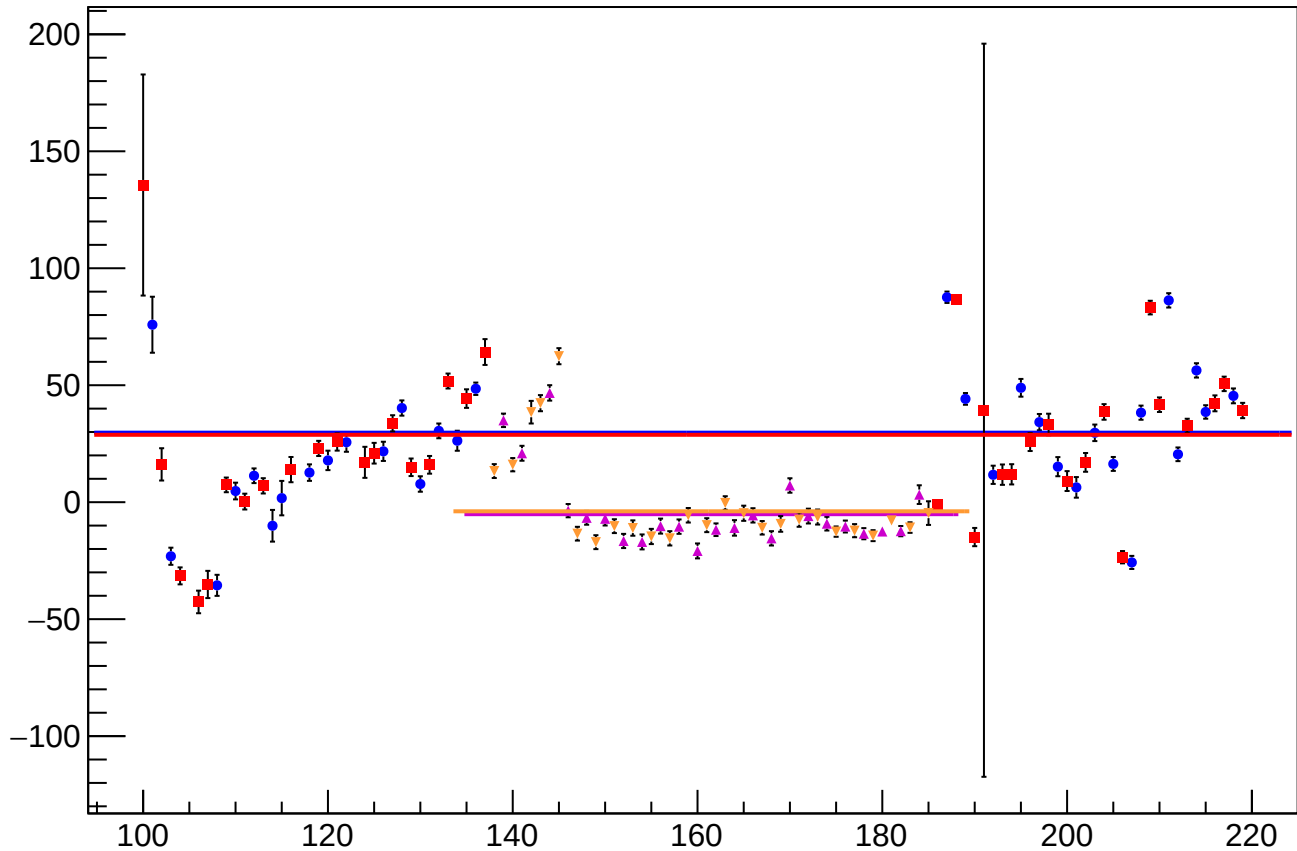
Left In: 9.765 $\pm$ 0.467 χ^2 /NDF: 121.0/22

+ sign 12.045 $\pm$ 0.378 χ^2 /NDF: 681.3/56

All: 11.802 $\pm$ 0.268 χ^2 /NDF: 1245.4/116

- sign 11.559 $\pm$ 0.379 χ^2 /NDF: 563.2/59

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 29.719 ± 0.605 χ^2/NDF : 2277.0/31

Left Out: -3.895 ± 0.585 χ^2/NDF : 850.2/24

Right Out: 28.814 ± 0.541 χ^2/NDF : 4162.7/36

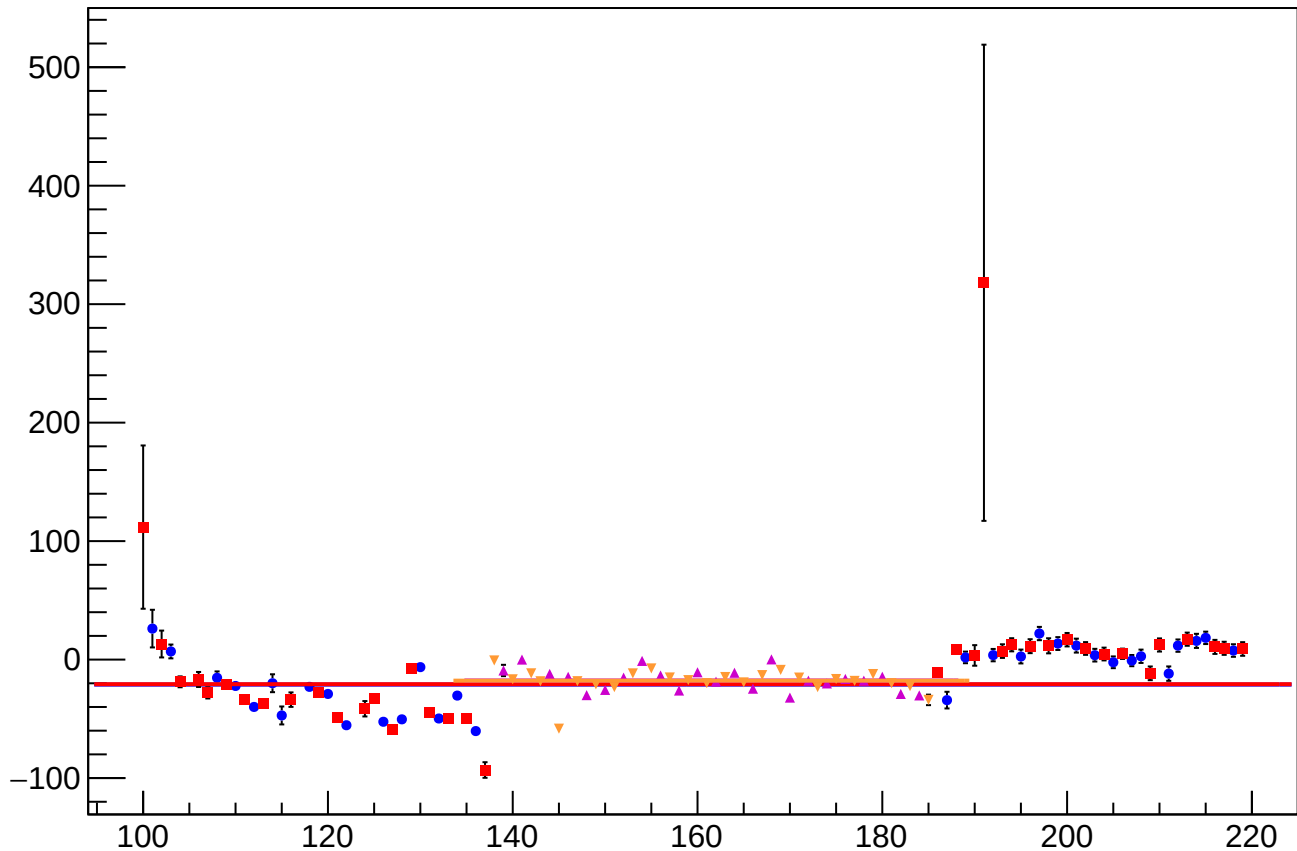
Left In: -5.124 ± 0.600 χ^2/NDF : 649.7/22

+ sign 12.340 ± 0.421 χ^2/NDF : 4721.5/56

All: 12.984 ± 0.291 χ^2/NDF : 11303.1/116

- sign 13.571 ± 0.402 χ^2/NDF : 6577.1/59

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -21.118 ± 0.801 χ^2/NDF : 975.2/31

Left Out: -17.776 ± 0.509 χ^2/NDF : 251.6/24

Right Out: -20.762 ± 0.765 χ^2/NDF : 1085.0/36

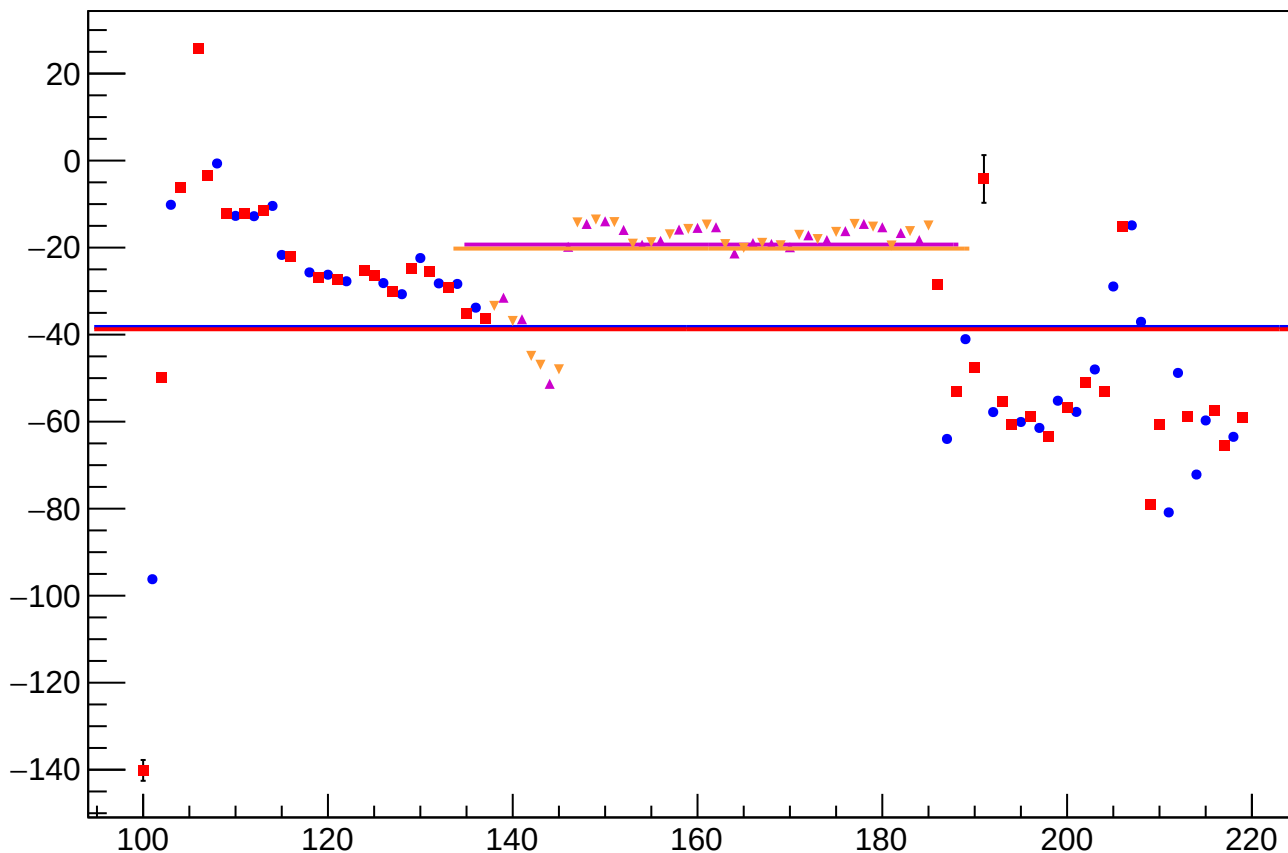
Left In: -17.643 ± 0.526 χ^2/NDF : 285.9/22

+ sign -18.737 ± 0.429 χ^2/NDF : 1239.2/56

All: -18.691 ± 0.305 χ^2/NDF : 2621.3/116

- sign -18.644 ± 0.433 χ^2/NDF : 1382.2/59

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -38.241 ± 0.039 $\chi^2/\text{NDF}: 265847.5/31$

Left Out: -20.227 ± 0.023 $\chi^2/\text{NDF}: 147352.7/24$

Right Out: -38.766 ± 0.038 $\chi^2/\text{NDF}: 344845.7/36$

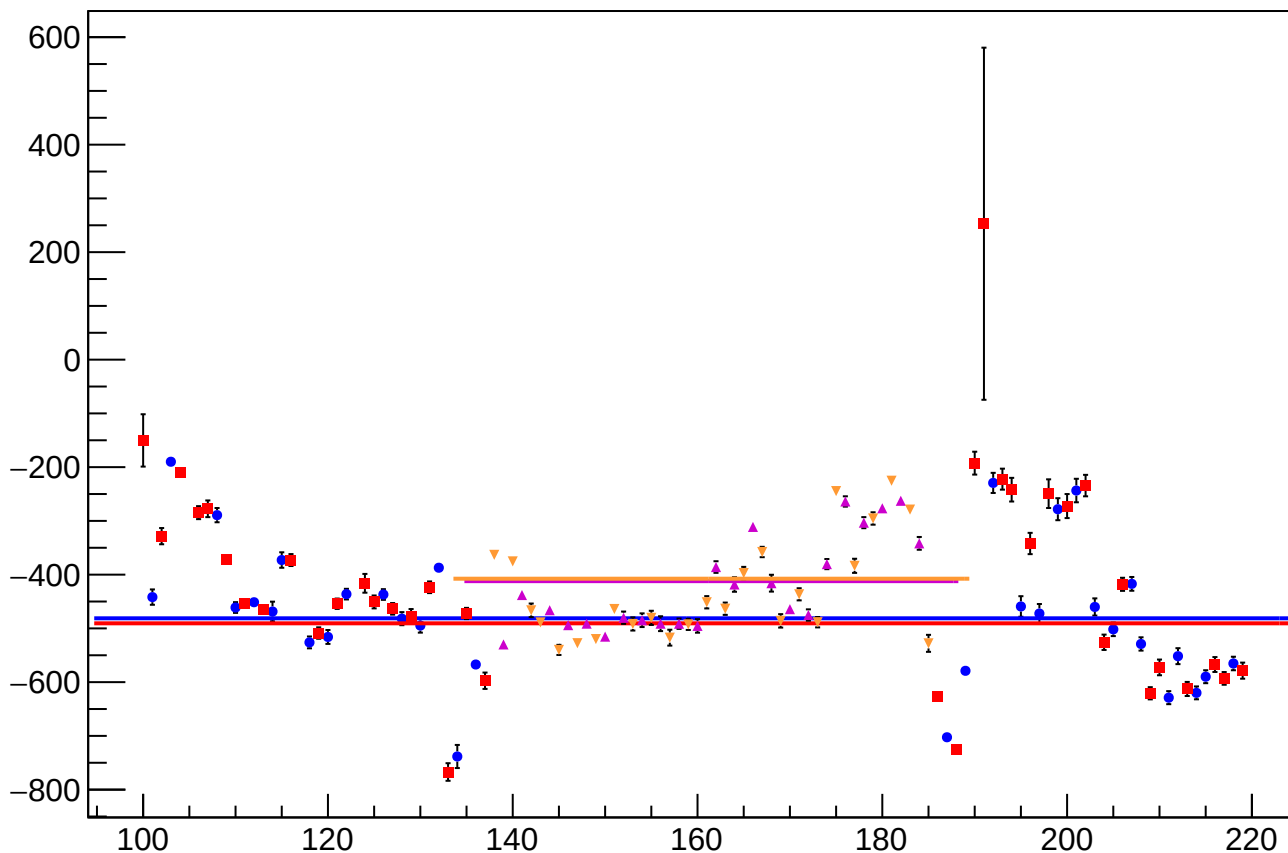
Left In: -19.310 ± 0.023 $\chi^2/\text{NDF}: 93090.9/22$

+ sign -24.845 ± 0.020 $\chi^2/\text{NDF}: 572444.7/56$

All: -24.696 ± 0.014 $\chi^2/\text{NDF}: 1198623.3/116$

- sign -24.544 ± 0.020 $\chi^2/\text{NDF}: 626062.8/59$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -481.234 ± 2.087 χ^2/NDF : 3352.2/31

Left Out: -407.554 ± 1.951 χ^2/NDF : 2872.6/24

Right Out: -490.556 ± 1.897 χ^2/NDF : 6556.0/36

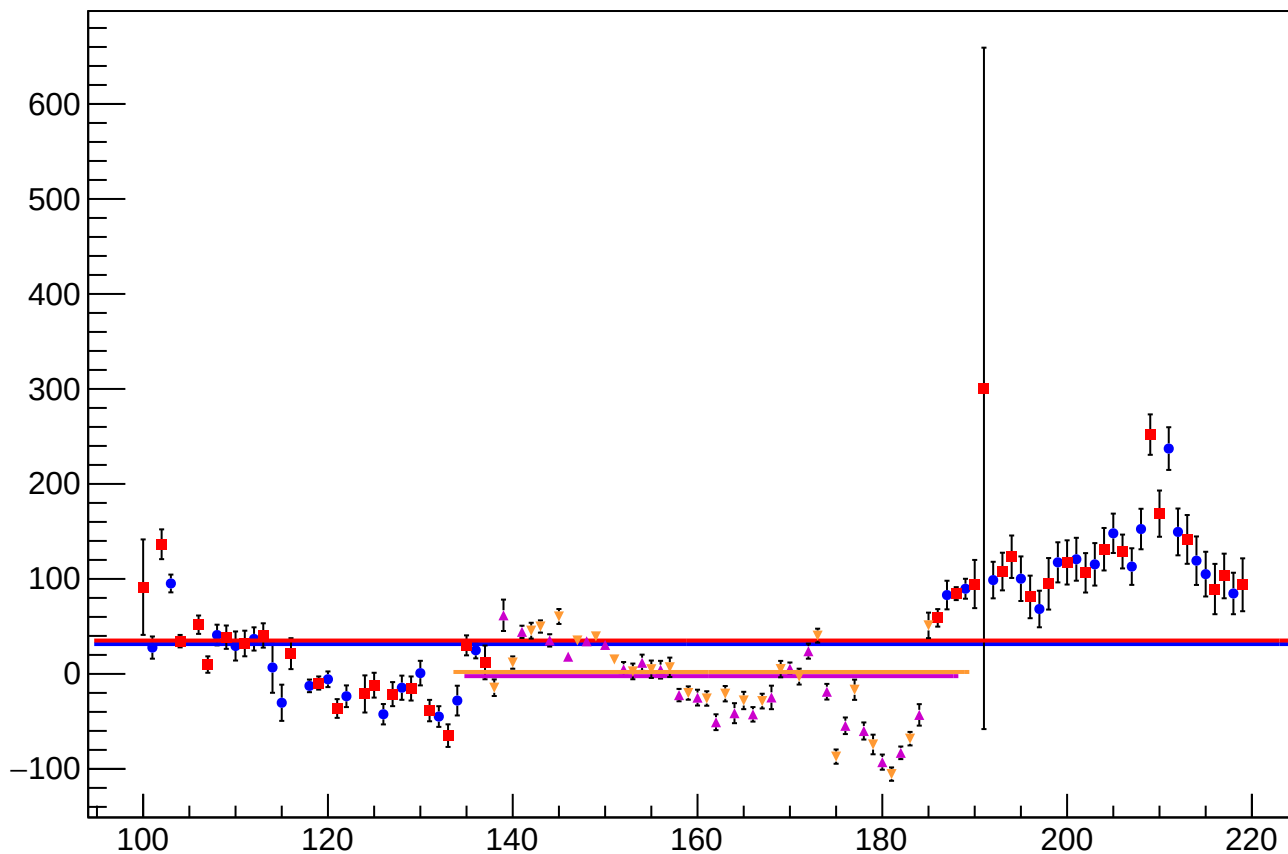
Left In: -412.102 ± 2.008 χ^2/NDF : 2182.3/22

+ sign -441.920 ± 1.425 χ^2/NDF : 6890.0/56

All: -447.937 ± 0.991 χ^2/NDF : 16469.4/116

- sign -453.571 ± 1.379 χ^2/NDF : 9544.9/59

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 31.409+/-2.373 χ^2/NDF : 605.7/31

Left Out: 2.035+/-1.426 χ^2/NDF : 910.7/24

Right Out: 35.132+/-2.157 χ^2/NDF : 664.1/36

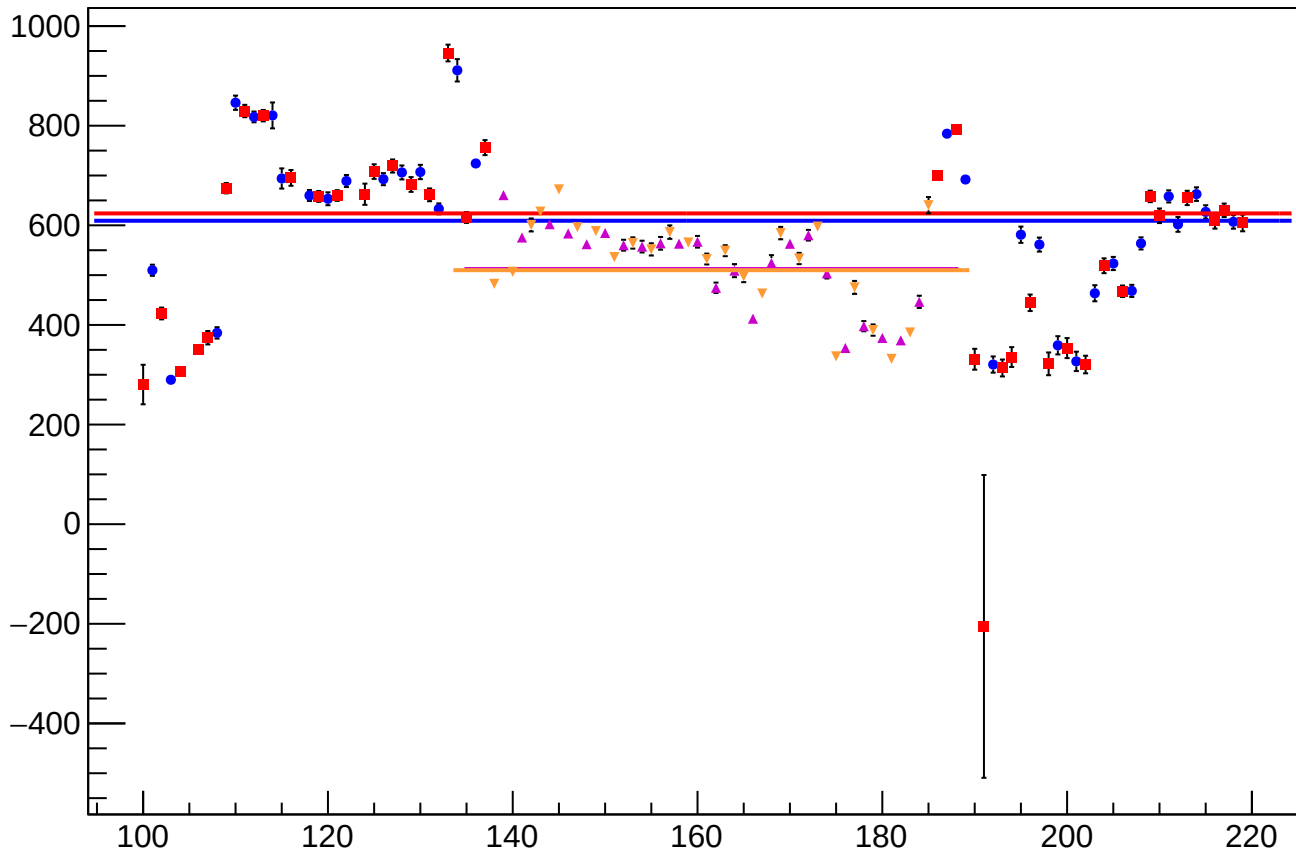
Left In: -2.365+/-1.482 χ^2/NDF : 733.4/22

+ sign 9.827+/-1.222 χ^2/NDF : 1629.0/56

All: 9.747+/-0.864 χ^2/NDF : 3231.8/116

- sign 9.667+/-1.222 χ^2/NDF : 1602.8/59

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 609.162 ± 2.123 χ^2/NDF : 5562.5/31

Left Out: 509.912 ± 1.936 χ^2/NDF : 2662.6/24

Right Out: 623.913 ± 1.873 χ^2/NDF : 8822.8/36

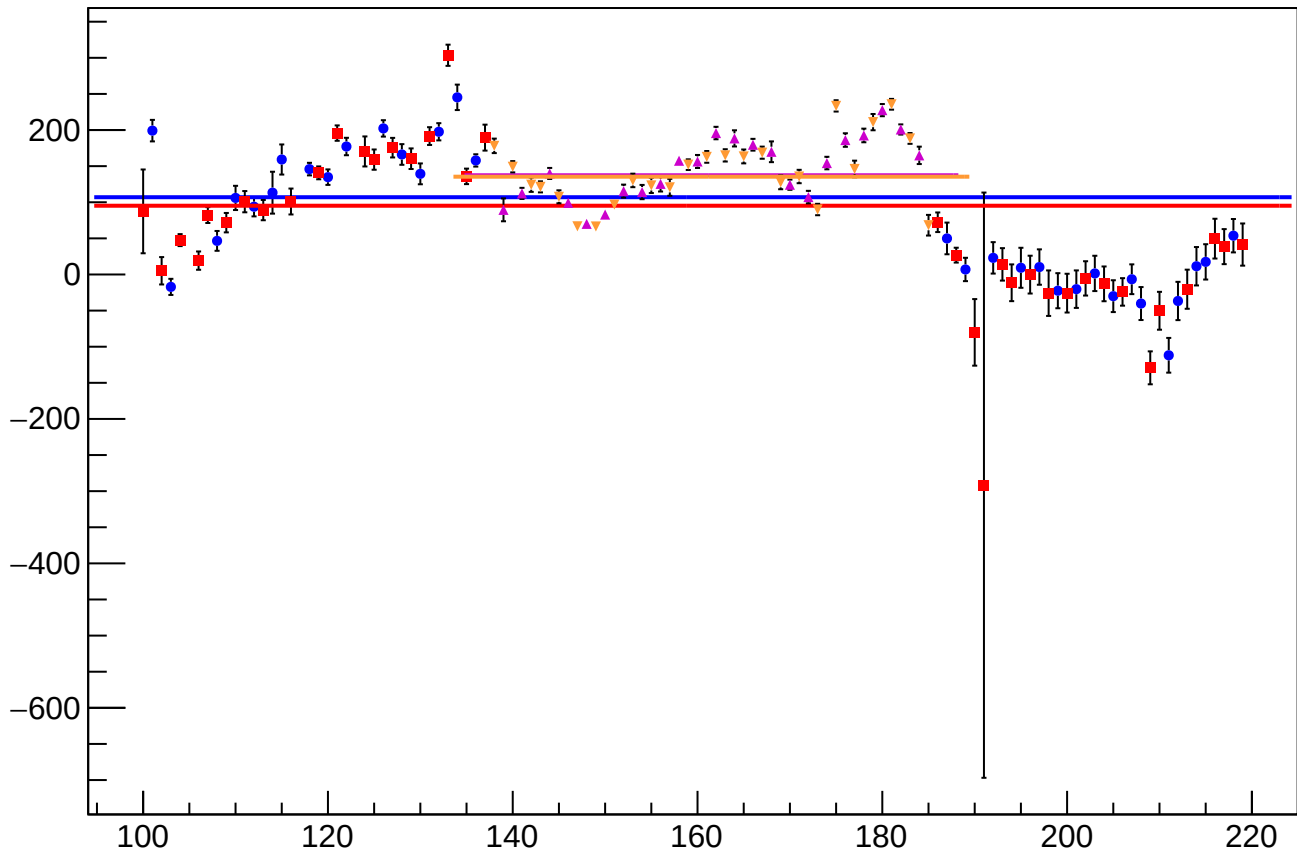
Left In: 512.270 ± 1.984 χ^2/NDF : 2087.6/22

+ sign 554.970 ± 1.430 χ^2/NDF : 9418.7/56

All: 563.528 ± 0.986 χ^2/NDF : 22071.5/116

- sign 571.288 ± 1.362 χ^2/NDF : 12584.6/59

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 106.988 ± 2.763 χ^2/NDF : 910.6/31

Left Out: 135.407 ± 1.649 χ^2/NDF : 923.2/24

Right Out: 95.194 ± 2.576 χ^2/NDF : 983.0/36

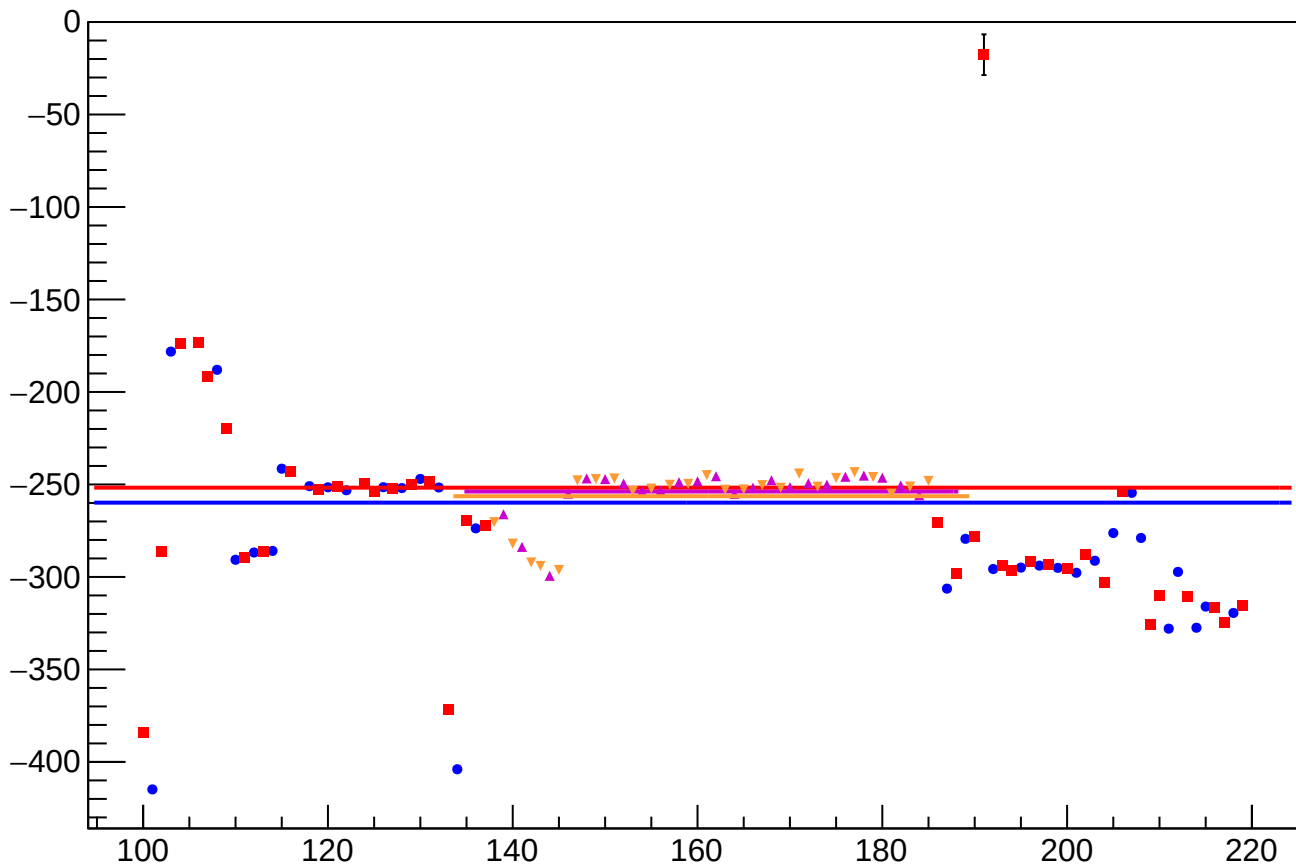
Left In: 137.374 ± 1.702 χ^2/NDF : 706.0/22

+ sign 127.945 ± 1.416 χ^2/NDF : 1911.8/56

All: 126.256 ± 1.003 χ^2/NDF : 3790.2/116

- sign 124.557 ± 1.420 χ^2/NDF : 1875.6/59

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -259.834 ± 0.132 χ^2/NDF : 209893.6/31

Left Out: -256.344 ± 0.077 χ^2/NDF : 39513.4/24

Right Out: -251.741 ± 0.127 χ^2/NDF : 163993.1/36

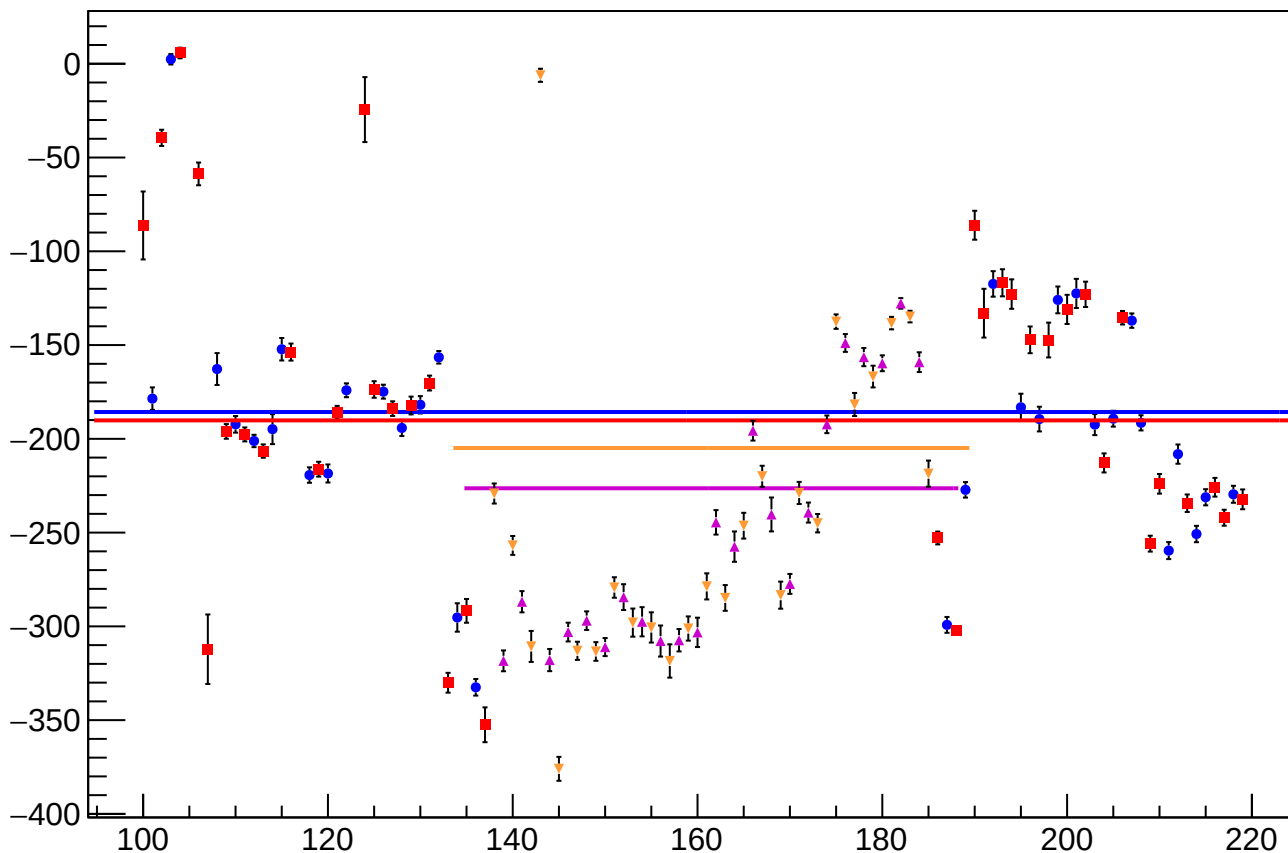
Left In: -253.817 ± 0.078 χ^2/NDF : 24076.7/22

+ sign -257.227 ± 0.067 χ^2/NDF : 249926.7/56

All: -255.236 ± 0.047 χ^2/NDF : 439975.9/116

- sign -253.253 ± 0.066 χ^2/NDF : 188263.1/59

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -185.705 ± 0.807 $\chi^2/\text{NDF}: 8108.4/31$

Left Out: -204.891 ± 1.052 $\chi^2/\text{NDF}: 7826.3/24$

Right Out: -190.169 ± 0.764 $\chi^2/\text{NDF}: 12308.2/36$

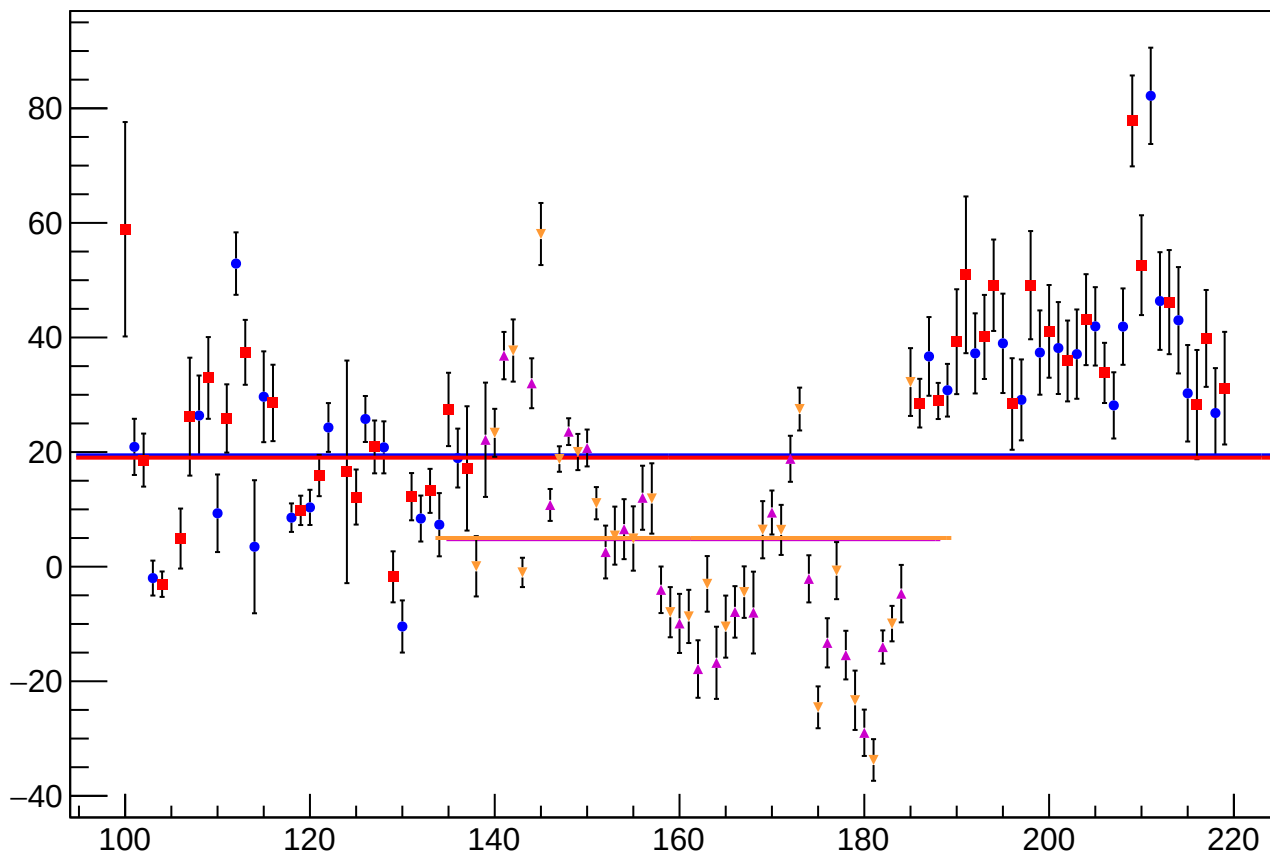
Left In: -226.365 ± 1.105 $\chi^2/\text{NDF}: 4219.0/22$

+ sign -192.809 ± 0.640 $\chi^2/\text{NDF}: 16144.1/56$

All: -197.426 ± 0.448 $\chi^2/\text{NDF}: 33499.5/116$

- sign -201.876 ± 0.628 $\chi^2/\text{NDF}: 17253.2/59$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 19.433 ± 0.921 χ^2/NDF : 322.7/31

Left Out: 5.006 ± 0.793 χ^2/NDF : 548.5/24

Right Out: 19.028 ± 0.867 χ^2/NDF : 350.3/36

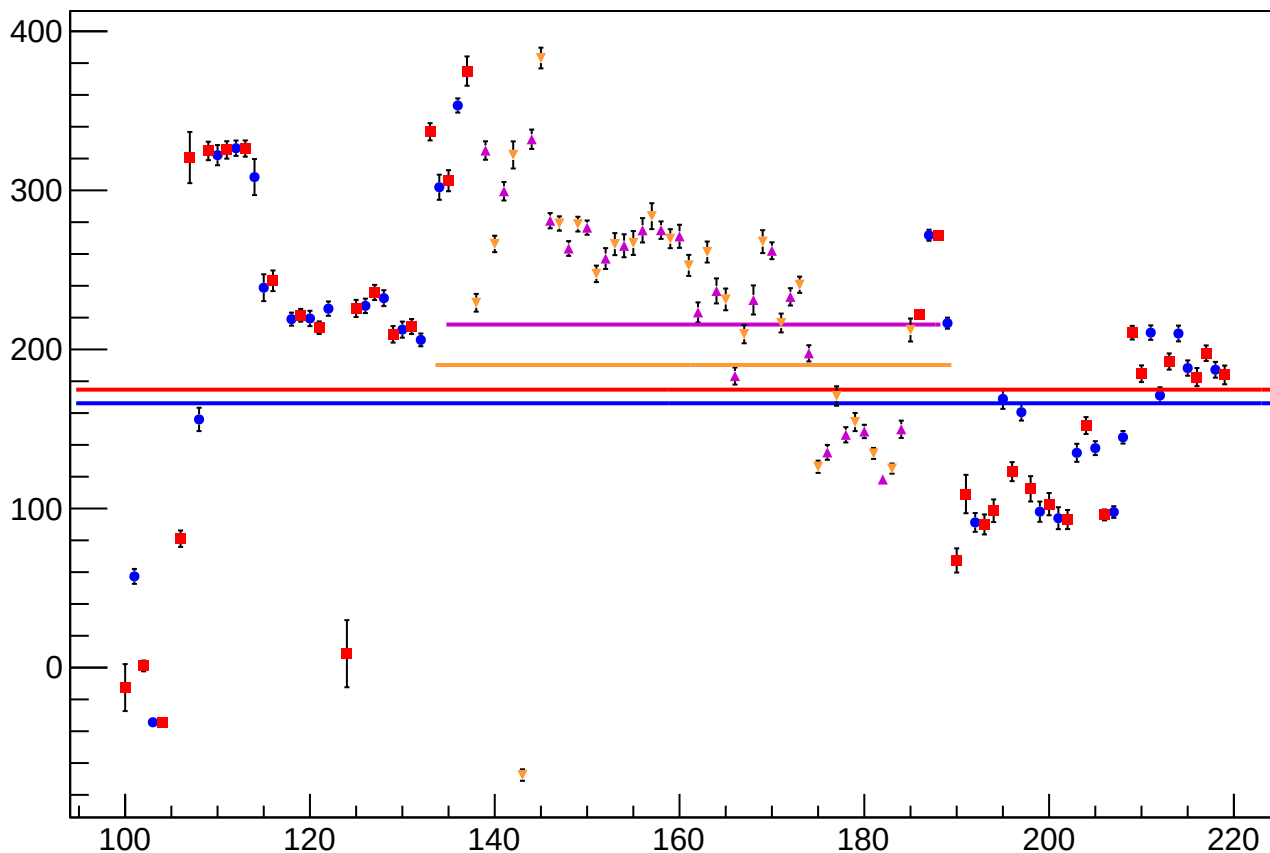
Left In: 4.799 ± 0.846 χ^2/NDF : 426.3/22

+ sign 11.153 ± 0.601 χ^2/NDF : 1012.1/56

All: 11.446 ± 0.427 χ^2/NDF : 1927.2/116

- sign 11.744 ± 0.606 χ^2/NDF : 914.5/59

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 166.163 ± 0.815 χ^2/NDF : 16161.4/31

Left Out: 190.219 ± 1.050 χ^2/NDF : 9384.0/24

Right Out: 174.727 ± 0.753 χ^2/NDF : 21491.8/36

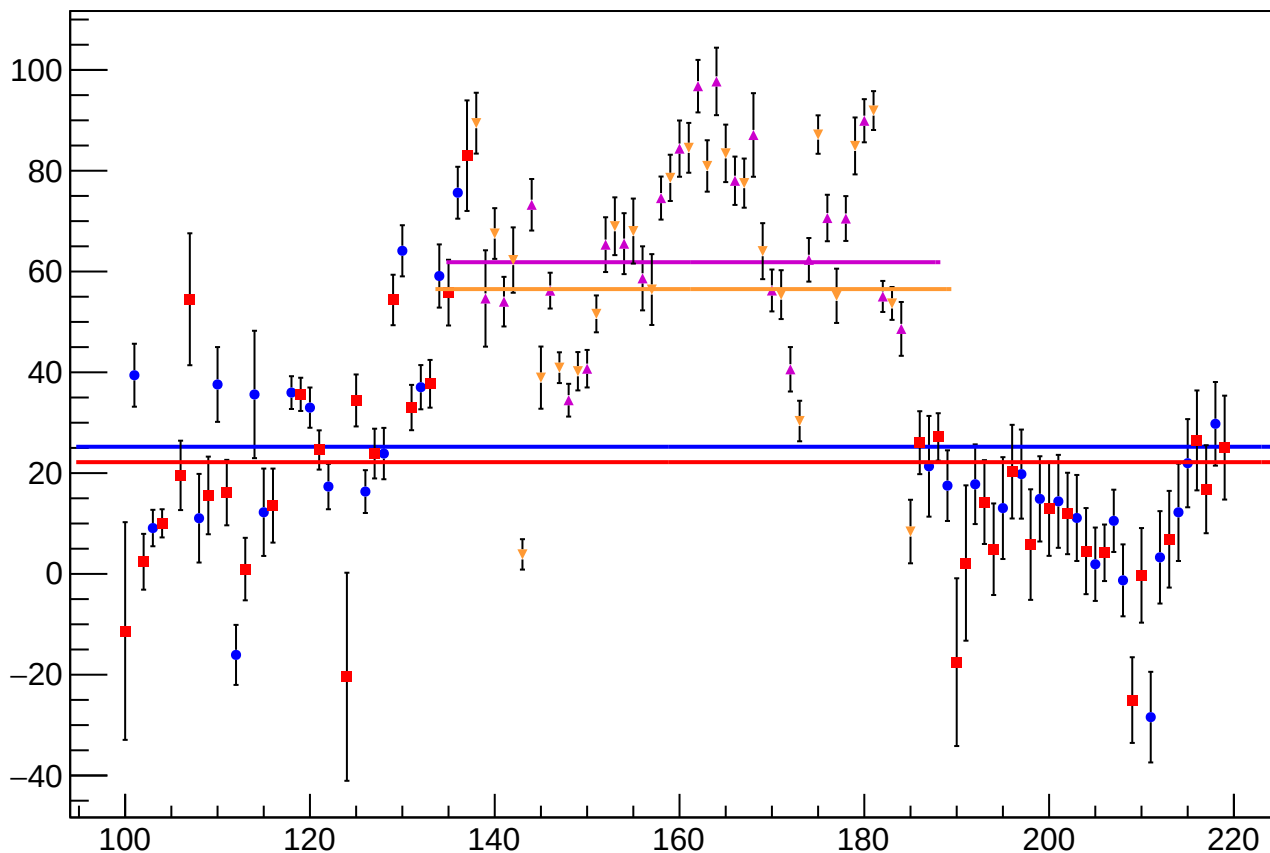
Left In: 215.649 ± 1.098 χ^2/NDF : 3886.0/22

+ sign 175.212 ± 0.644 χ^2/NDF : 25872.8/56

All: 181.740 ± 0.447 χ^2/NDF : 52393.4/116

- sign 187.811 ± 0.621 χ^2/NDF : 26322.3/59

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 25.230 ± 1.071 $\chi^2/\text{NDF}: 377.6/31$

Left Out: 56.514 ± 0.909 $\chi^2/\text{NDF}: 798.9/24$

Right Out: 22.175 ± 1.028 $\chi^2/\text{NDF}: 269.8/36$

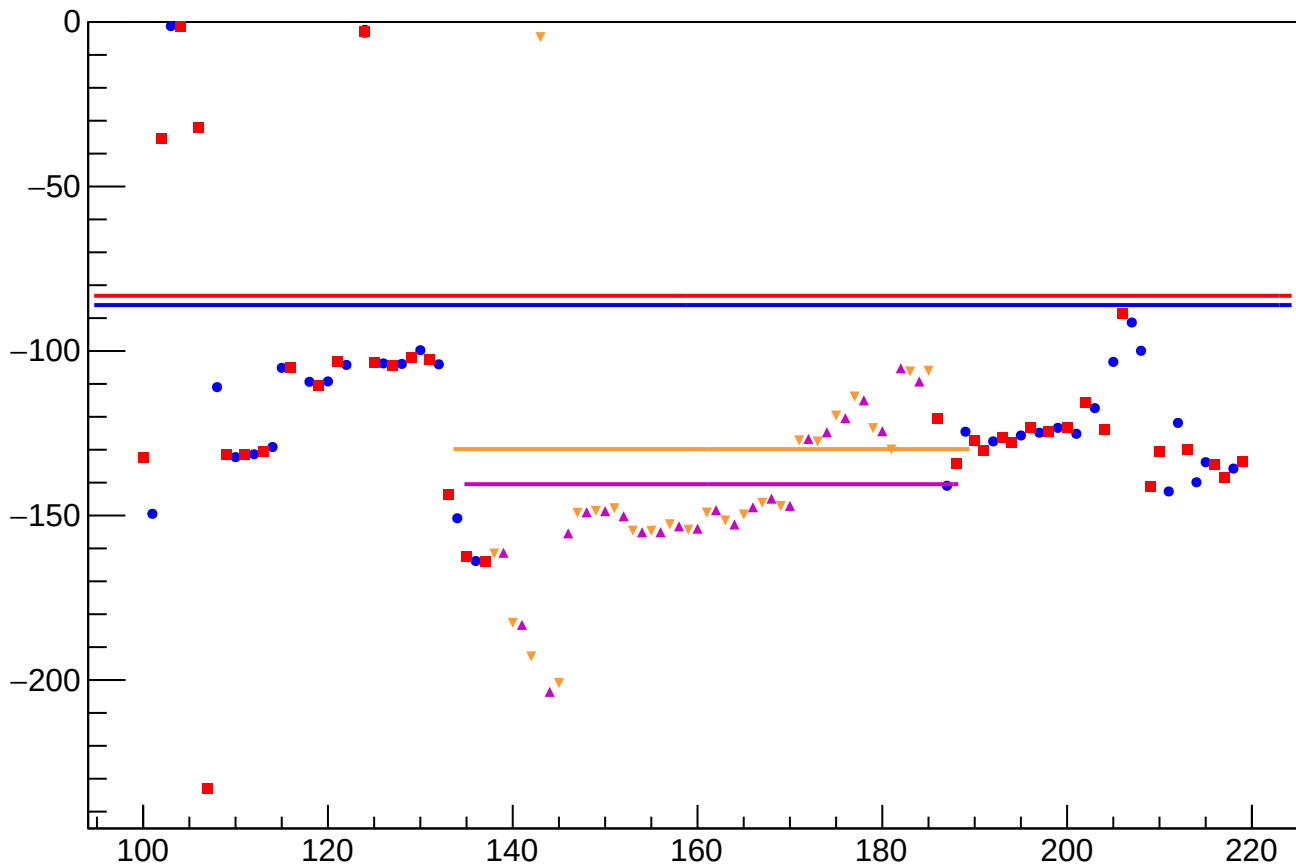
Left In: 61.850 ± 0.961 $\chi^2/\text{NDF}: 320.7/22$

+ sign 43.421 ± 0.693 $\chi^2/\text{NDF}: 1672.2/56$

All: 43.383 ± 0.493 $\chi^2/\text{NDF}: 3057.1/116$

- sign 43.343 ± 0.702 $\chi^2/\text{NDF}: 1384.8/59$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -86.037 ± 0.050 χ^2/NDF : 1362270.6/31

Left Out: -129.810 ± 0.042 χ^2/NDF : 1025155.0/24

Right Out: -83.209 ± 0.048 χ^2/NDF : 1329965.1/36

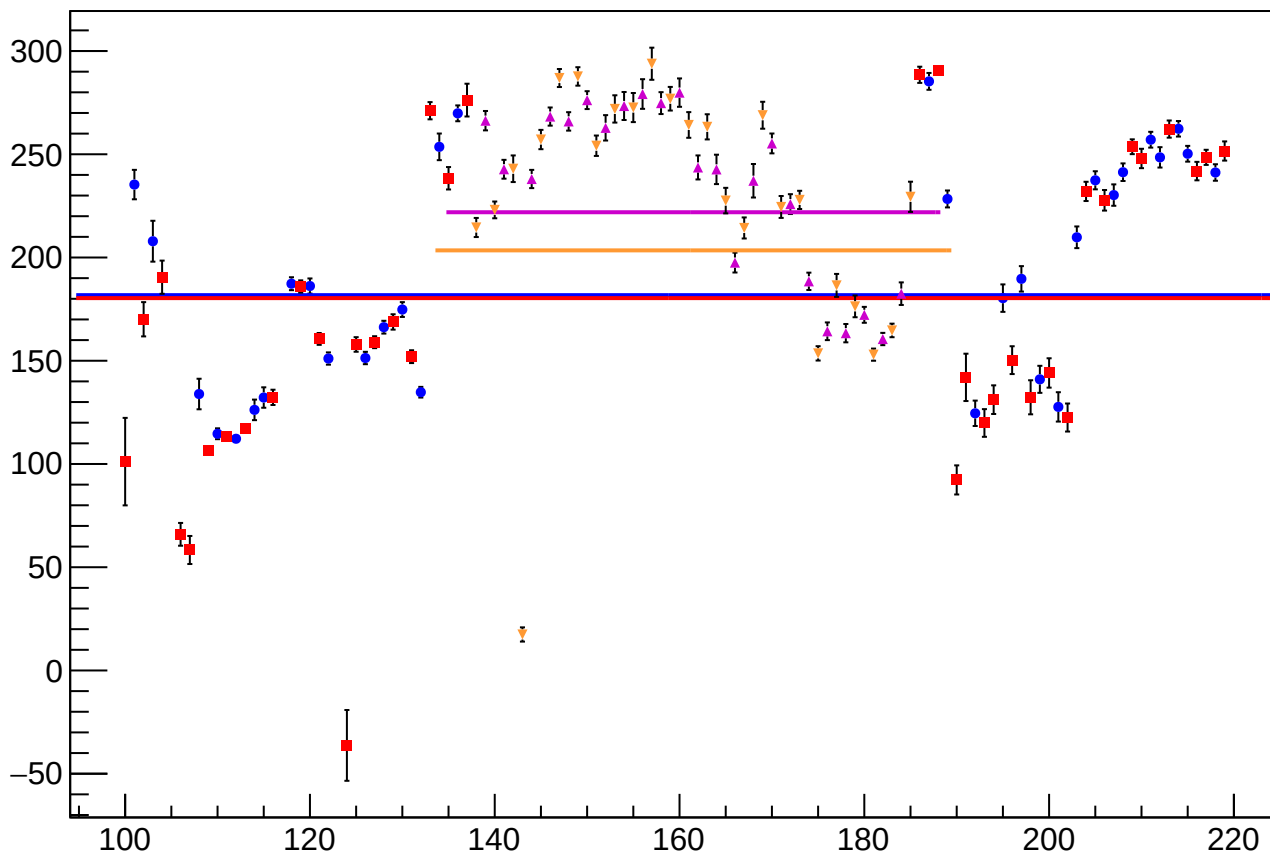
Left In: -140.477 ± 0.044 χ^2/NDF : 254660.0/22

+ sign -111.510 ± 0.032 χ^2/NDF : 2837994.3/56

All: -113.103 ± 0.023 χ^2/NDF : 5201177.1/111

- sign -114.718 ± 0.032 χ^2/NDF : 2358245.2/59

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 181.768 ± 0.698 $\chi^2/\text{NDF}: 6297.9/31$

Left Out: 203.453 ± 0.953 $\chi^2/\text{NDF}: 5491.5/24$

Right Out: 180.332 ± 0.655 $\chi^2/\text{NDF}: 10543.5/36$

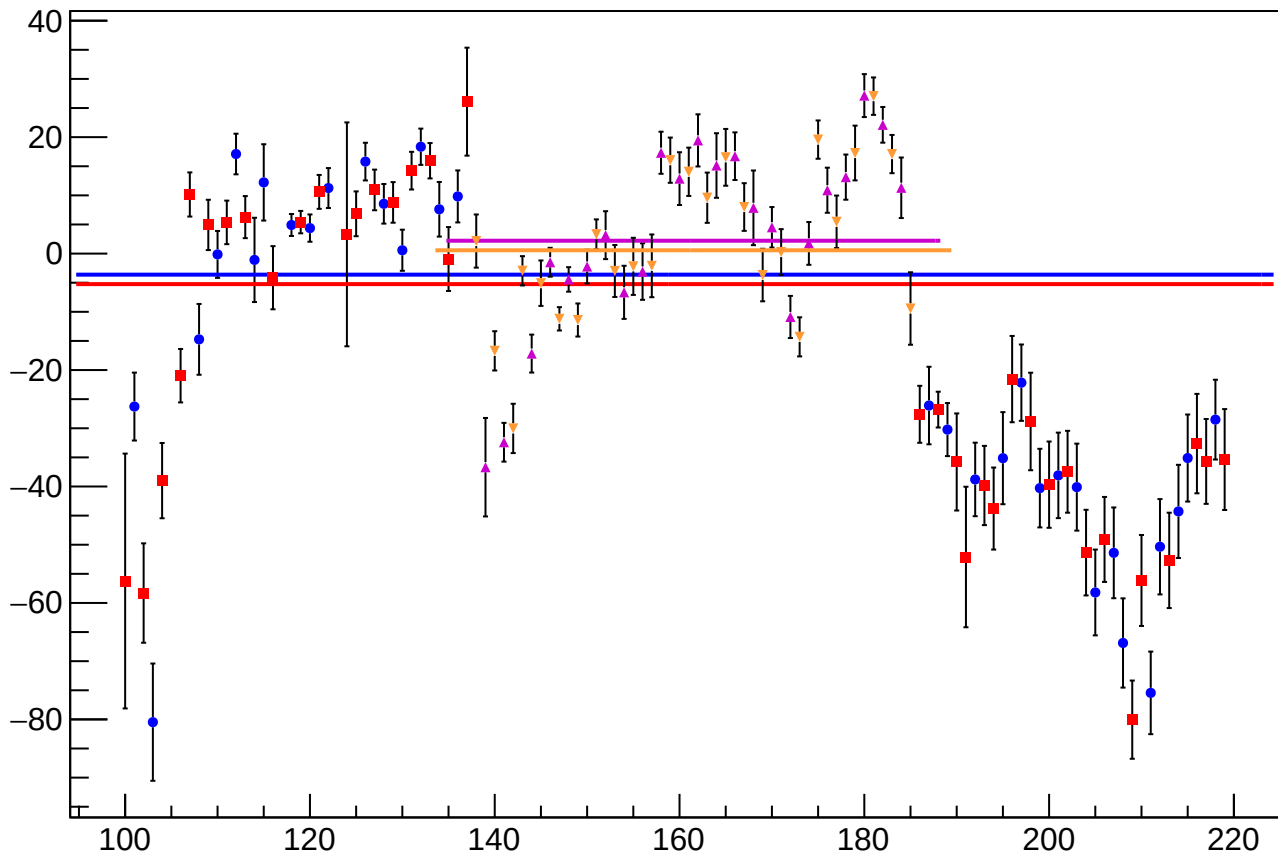
Left In: 221.923 ± 1.003 $\chi^2/\text{NDF}: 1986.7/22$

+ sign 189.336 ± 0.563 $\chi^2/\text{NDF}: 12126.5/56$

All: 191.102 ± 0.393 $\chi^2/\text{NDF}: 25880.9/116$

- sign 192.780 ± 0.549 $\chi^2/\text{NDF}: 13735.2/59$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: -3.616 $\pm$ 0.791 χ^2/NDF : 812.8/31

Left Out: 0.568 $\pm$ 0.716 χ^2/NDF : 345.4/24

Right Out: -5.241 $\pm$ 0.771 χ^2/NDF : 853.3/36

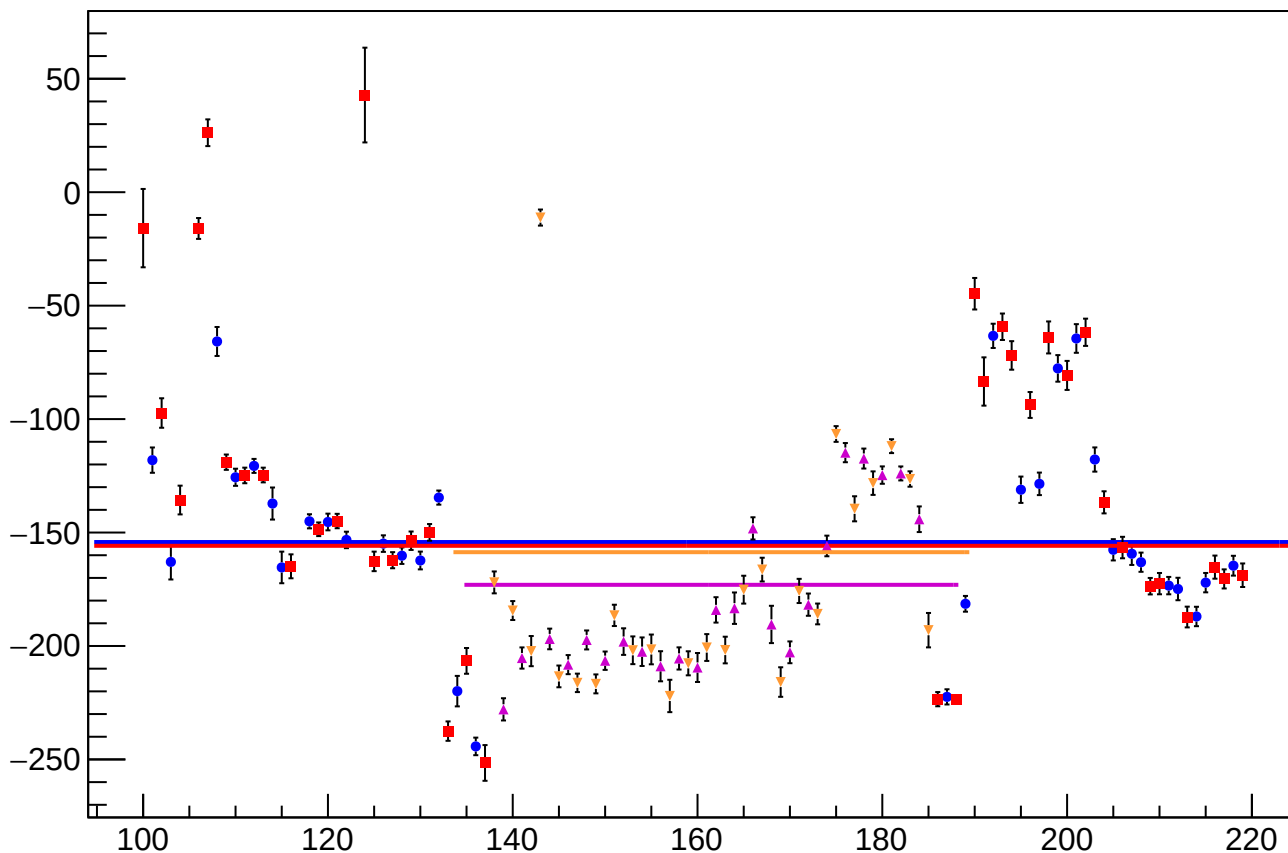
Left In: 2.210 $\pm$ 0.760 χ^2/NDF : 358.2/22

+ sign -1.314 $\pm$ 0.531 χ^2/NDF : 1173.6/56

All: -1.387 $\pm$ 0.379 χ^2/NDF : 2432.5/116

- sign -1.463 $\pm$ 0.541 χ^2/NDF : 1258.9/59

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -154.182 ± 0.760 χ^2/NDF : 2473.8/31

Left Out: -158.658 ± 0.951 χ^2/NDF : 3491.8/24

Right Out: -155.848 ± 0.705 χ^2/NDF : 6536.4/36

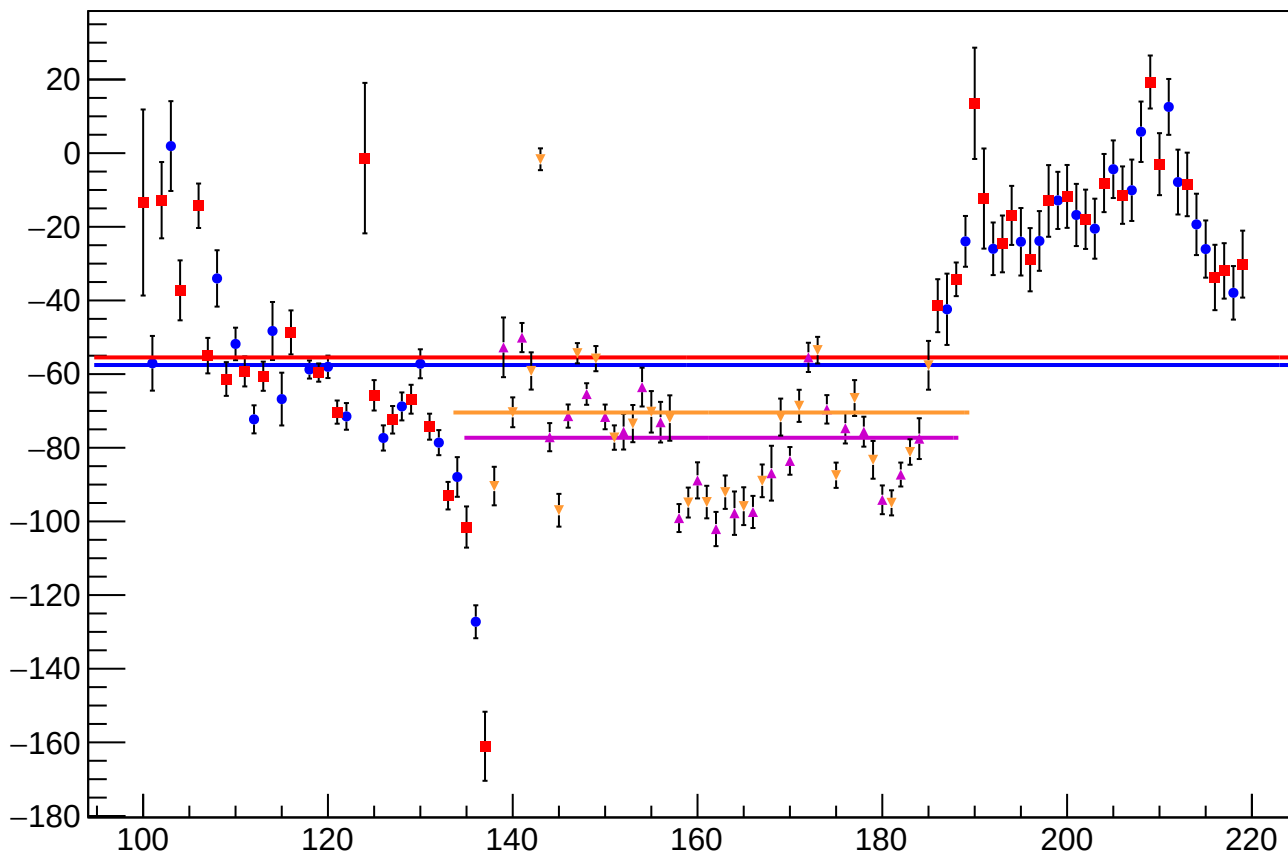
Left In: -173.043 ± 0.996 χ^2/NDF : 1399.9/22

+ sign -155.928 ± 0.594 χ^2/NDF : 5979.1/56

All: -158.848 ± 0.413 χ^2/NDF : 14161.0/116

- sign -161.589 ± 0.575 χ^2/NDF : 8135.0/59

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -57.531 ± 0.918 χ^2/NDF : 876.9/31

Left Out: -70.427 ± 0.821 χ^2/NDF : 901.6/24

Right Out: -55.467 ± 0.899 χ^2/NDF : 907.6/36

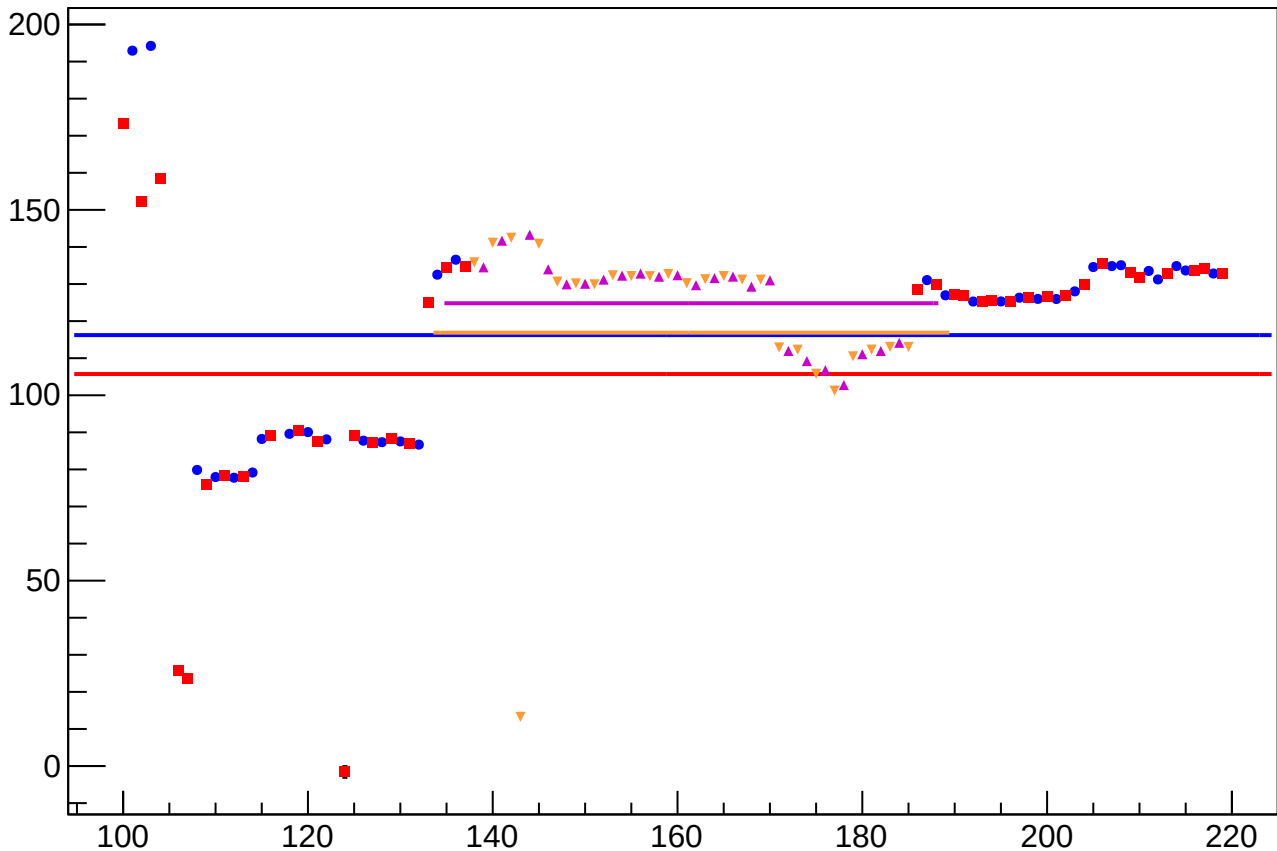
Left In: -77.288 ± 0.866 χ^2/NDF : 254.3/22

+ sign -64.694 ± 0.612 χ^2/NDF : 1888.2/56

All: -65.720 ± 0.437 χ^2/NDF : 3361.7/116

- sign -66.784 ± 0.623 χ^2/NDF : 1467.7/59

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 116.221 $\pm$ 0.052 χ^2 /NDF: 291099.2/31

Left Out: 116.881 $\pm$ 0.038 χ^2 /NDF: 623110.0/24

Right Out: 105.730 $\pm$ 0.049 χ^2 /NDF: 547640.8/36

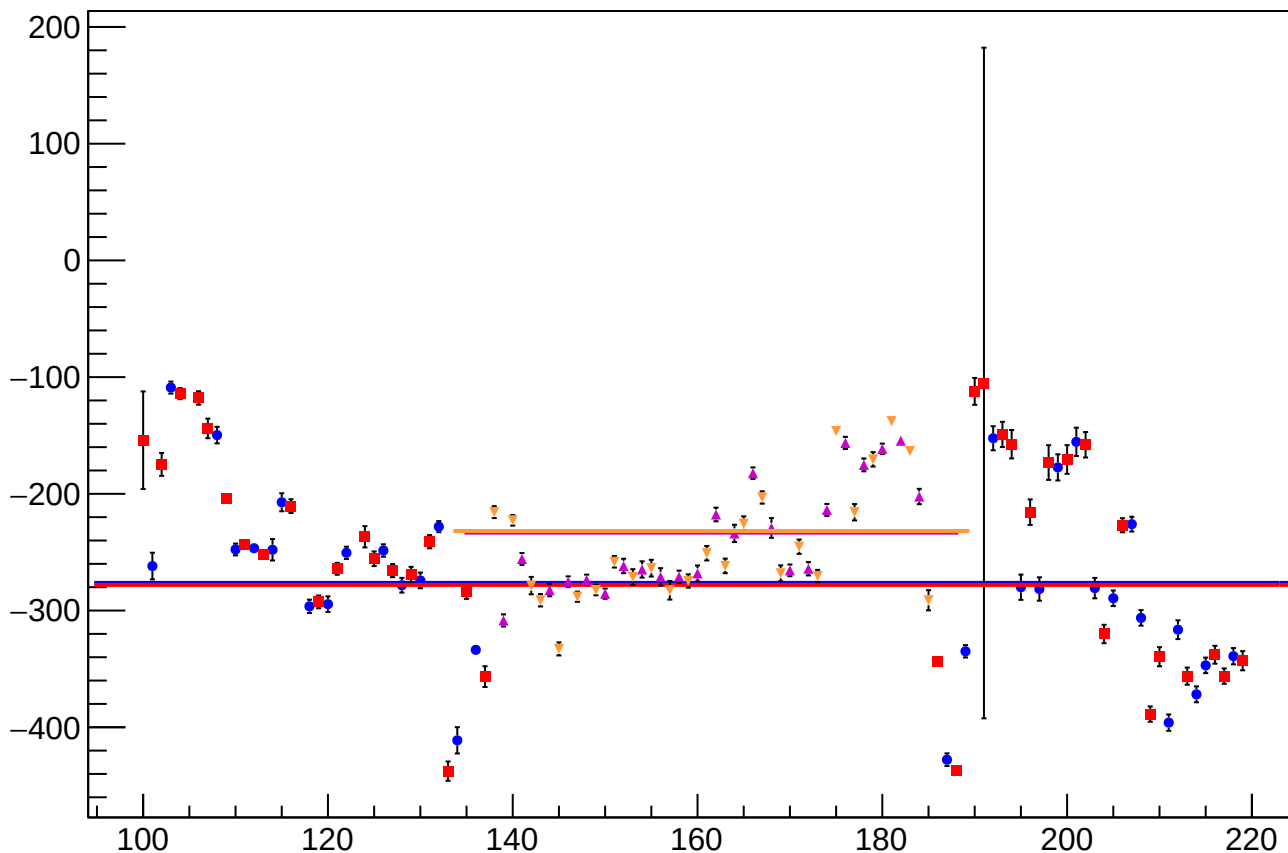
Left In: 124.819 $\pm$ 0.039 χ^2 /NDF: 88116.2/22

+ sign 116.652 $\pm$ 0.031 χ^2 /NDF: 914313.2/56

All: 116.999 $\pm$ 0.022 χ^2 /NDF: 1642598.3/116

- sign 117.342 $\pm$ 0.031 χ^2 /NDF: 728033.3/59

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -276.297 ± 1.133 $\chi^2/\text{NDF}: 4069.4/31$

Left Out: -231.847 ± 1.080 $\chi^2/\text{NDF}: 2676.6/24$

Right Out: -278.007 ± 1.026 $\chi^2/\text{NDF}: 8317.7/36$

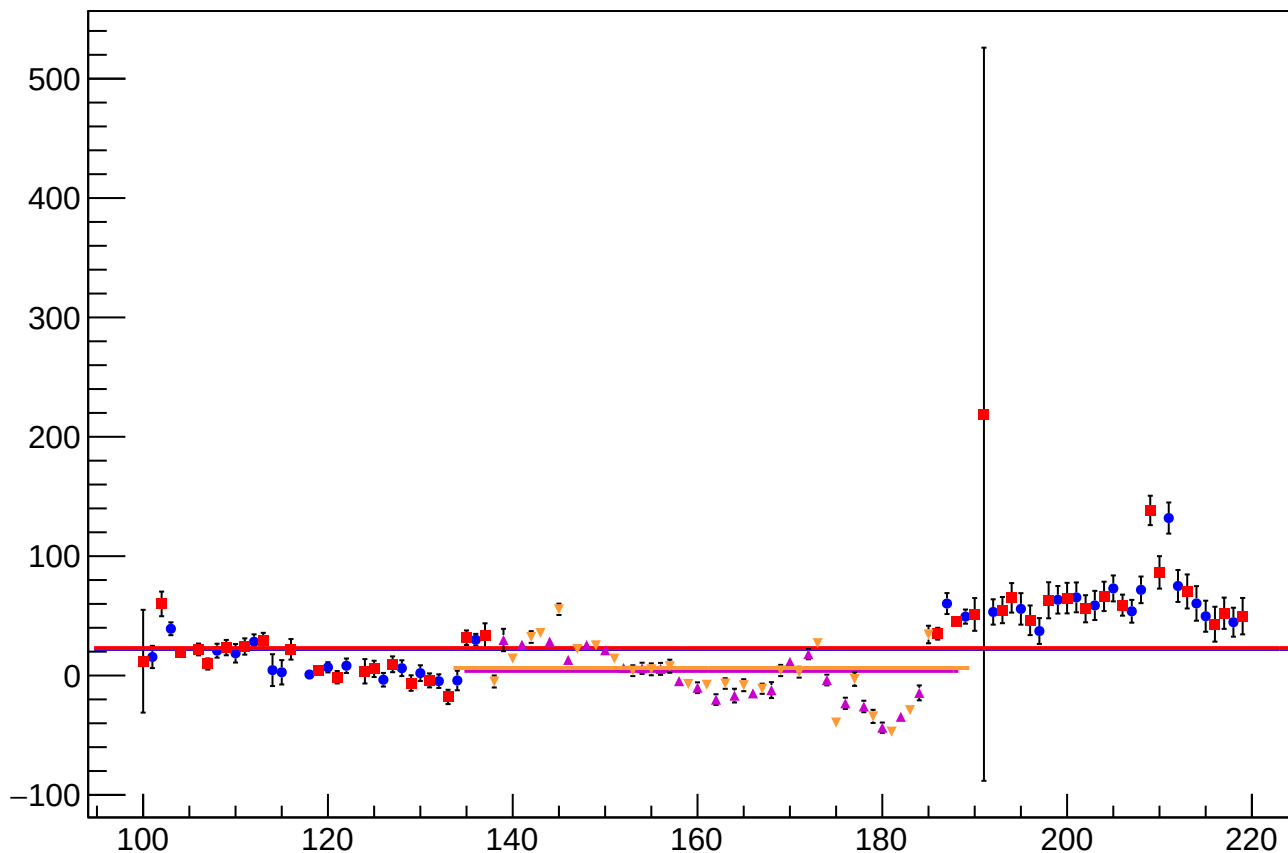
Left In: -233.258 ± 1.108 $\chi^2/\text{NDF}: 2067.0/22$

+ sign -253.008 ± 0.782 $\chi^2/\text{NDF}: 7552.1/56$

All: -255.255 ± 0.542 $\chi^2/\text{NDF}: 18831.1/116$

- sign -257.337 ± 0.753 $\chi^2/\text{NDF}: 11263.1/59$

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 22.304 $\pm$ 1.287 χ^2 /NDF: 388.3/31

Left Out: 6.288 $\pm$ 0.789 χ^2 /NDF: 871.5/24

Right Out: 22.966 $\pm$ 1.167 χ^2 /NDF: 429.4/36

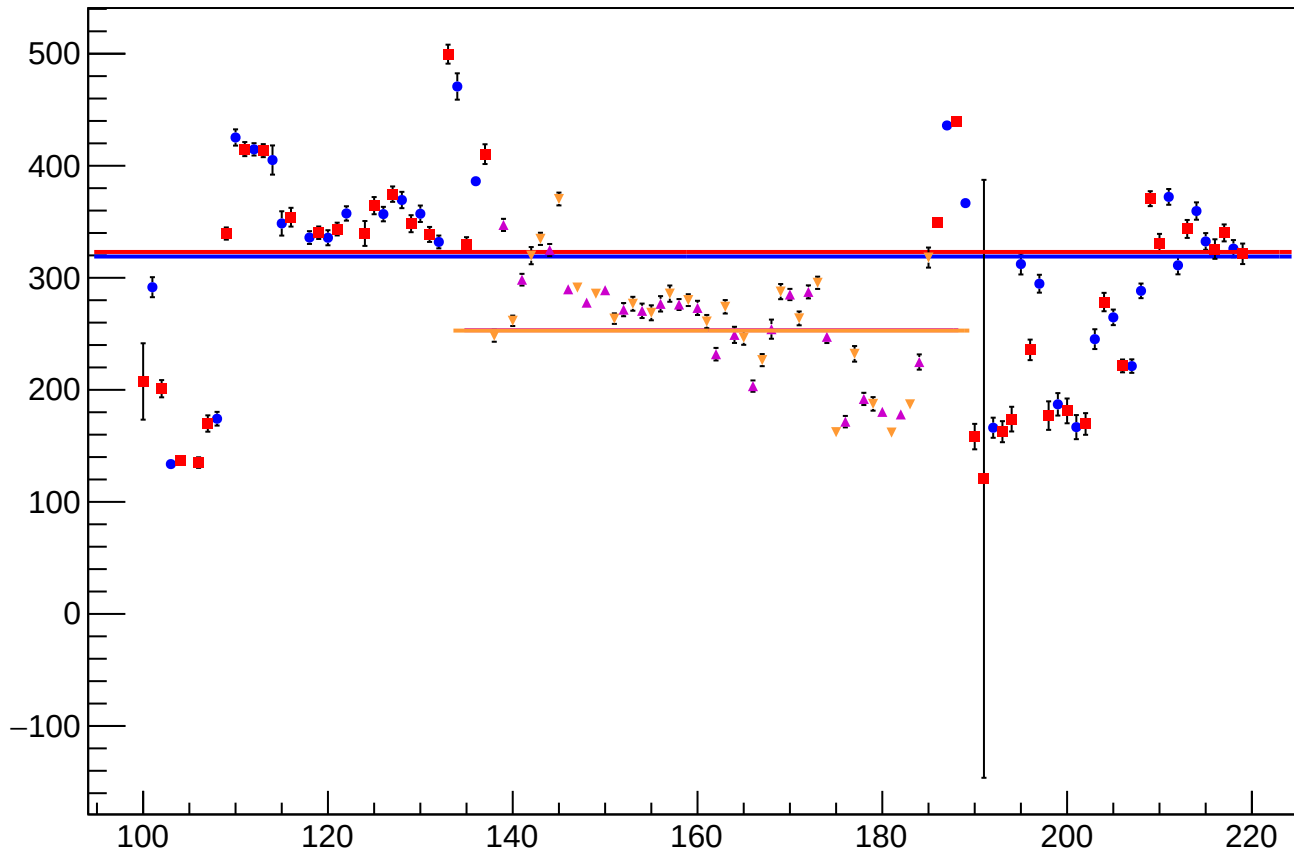
Left In: 3.906 $\pm$ 0.818 χ^2 /NDF: 650.3/22

+ sign 10.665 $\pm$ 0.673 χ^2 /NDF: 1372.3/56

All: 10.425 $\pm$ 0.475 χ^2 /NDF: 2631.0/116

- sign 10.187 $\pm$ 0.670 χ^2 /NDF: 1258.5/59

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 318.983 ± 1.171 $\chi^2/\text{NDF}: 5778.5/31$

Left Out: 252.886 ± 1.070 $\chi^2/\text{NDF}: 2579.0/24$

Right Out: 323.067 ± 1.030 $\chi^2/\text{NDF}: 10158.8/36$

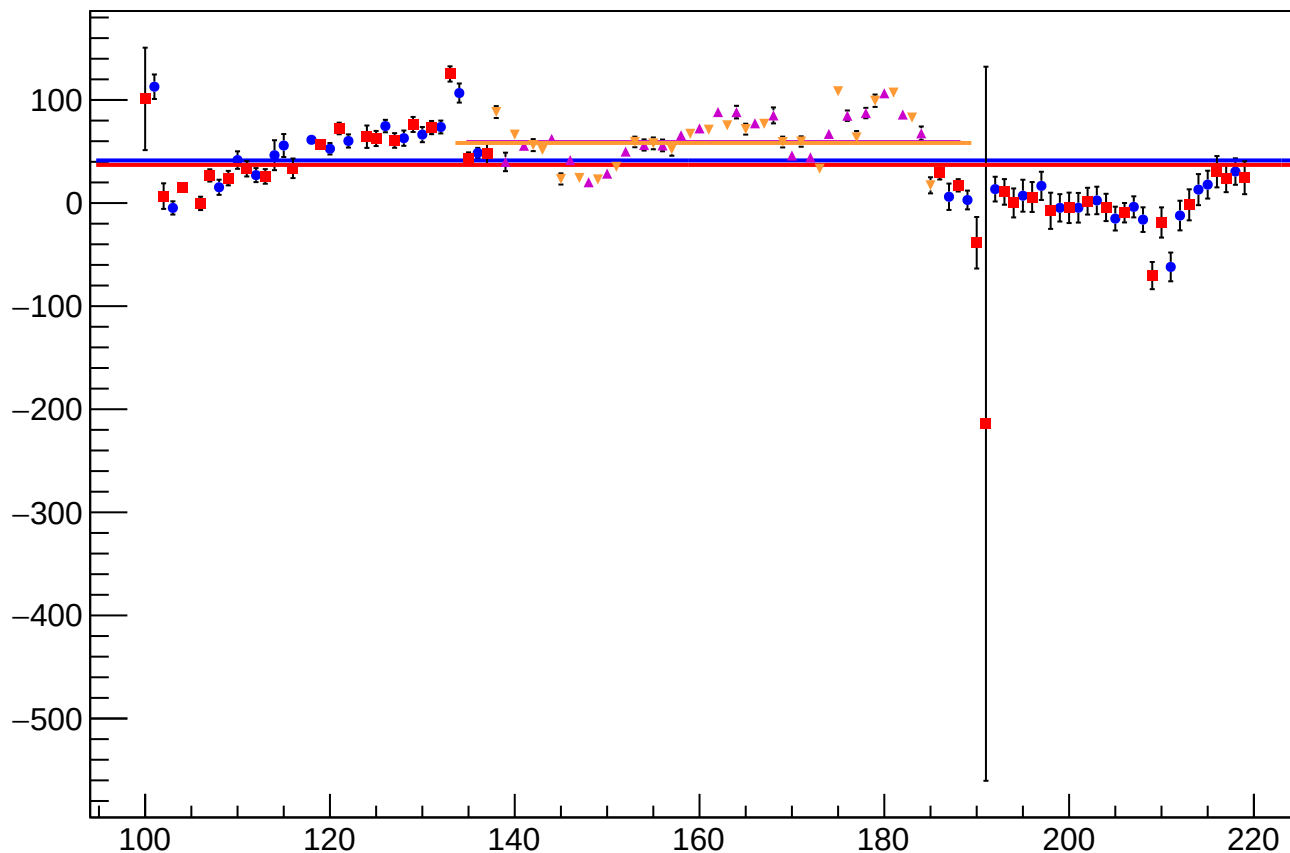
Left In: 253.248 ± 1.093 $\chi^2/\text{NDF}: 2059.7/22$

+ sign 282.964 ± 0.790 $\chi^2/\text{NDF}: 10092.5/56$

All: 286.797 ± 0.544 $\chi^2/\text{NDF}: 24516.5/116$

- sign 290.248 ± 0.750 $\chi^2/\text{NDF}: 14379.3/59$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 41.346 $\pm$ 1.495 χ^2 /NDF: 480.1/31

Left Out: 58.306 $\pm$ 0.911 χ^2 /NDF: 850.2/24

Right Out: 37.008 $\pm$ 1.390 χ^2 /NDF: 544.4/36

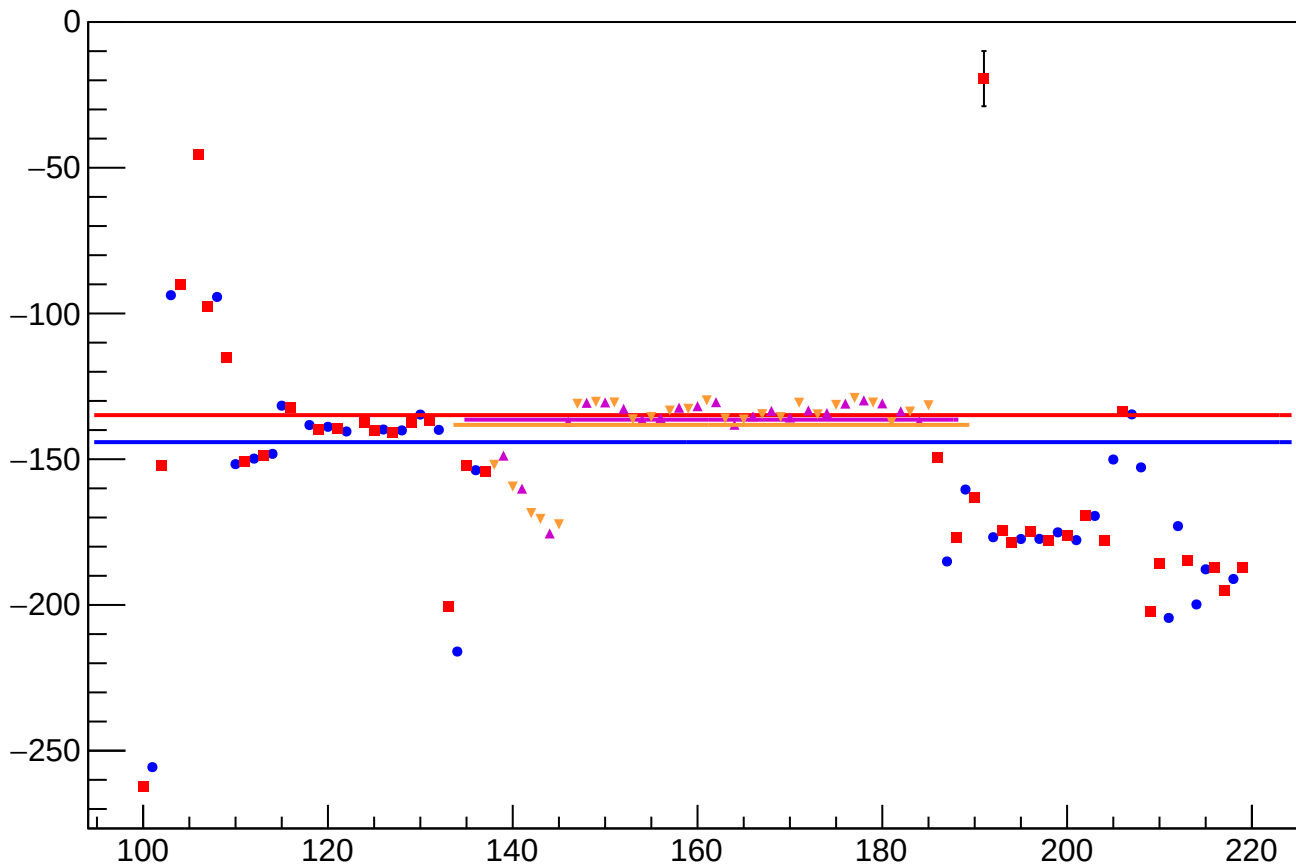
Left In: 59.151 $\pm$ 0.938 χ^2 /NDF: 632.4/22

+ sign 53.712 $\pm$ 0.778 χ^2 /NDF: 1424.1/56

All: 52.965 $\pm$ 0.550 χ^2 /NDF: 2777.1/116

- sign 52.218 $\pm$ 0.778 χ^2 /NDF: 1351.2/59

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -144.143 ± 0.073 $\chi^2/\text{NDF}: 259688.5/31$

Left Out: -138.218 ± 0.042 $\chi^2/\text{NDF}: 81828.6/24$

Right Out: -134.872 ± 0.070 $\chi^2/\text{NDF}: 369032.7/36$

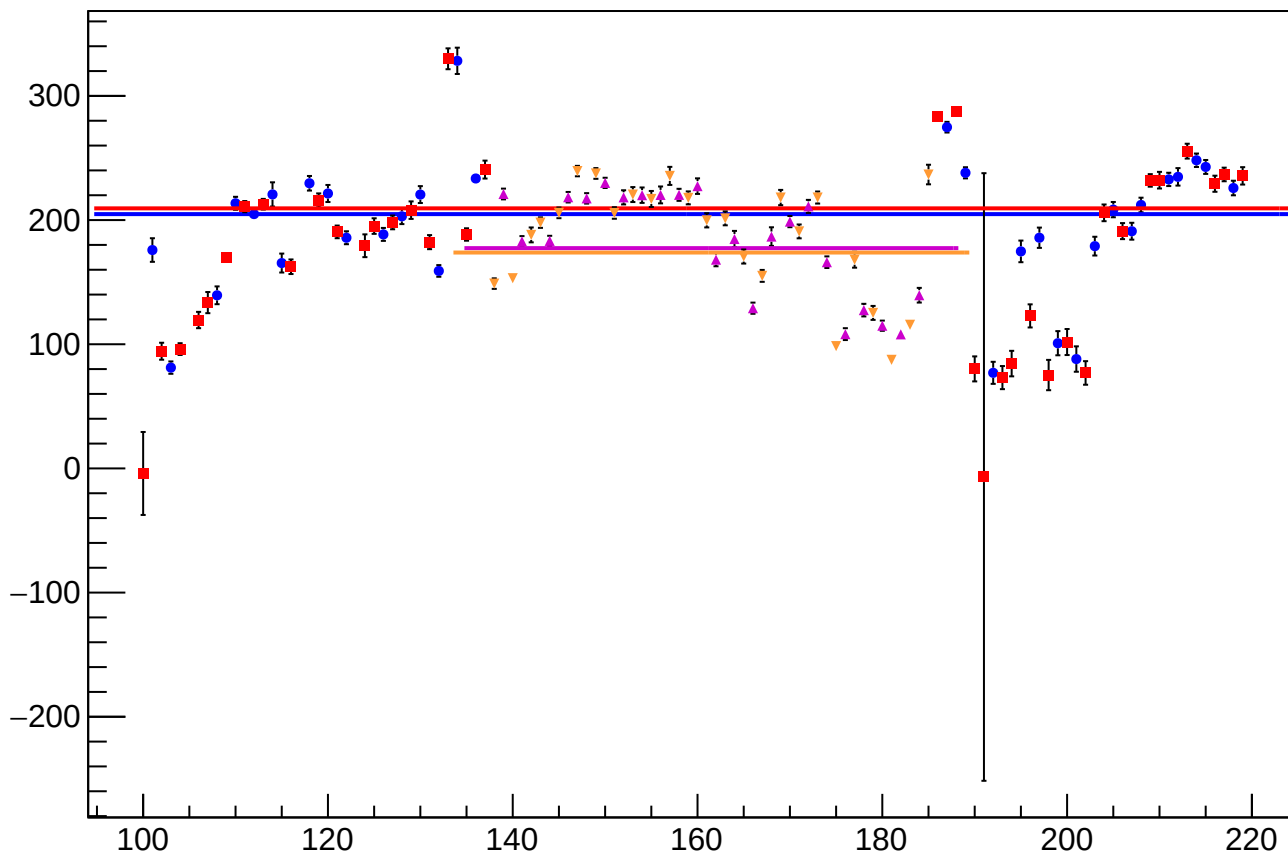
Left In: -136.429 ± 0.043 $\chi^2/\text{NDF}: 49792.9/22$

+ sign -139.707 ± 0.037 $\chi^2/\text{NDF}: 346402.8/56$

All: -137.840 ± 0.026 $\chi^2/\text{NDF}: 770709.3/116$

- sign -136.001 ± 0.036 $\chi^2/\text{NDF}: 419188.5/59$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 204.797 ± 1.045 χ^2/NDF : 2068.4/31

Left Out: 173.862 ± 0.962 χ^2/NDF : 2627.6/24

Right Out: 209.435 ± 0.946 χ^2/NDF : 4358.8/36

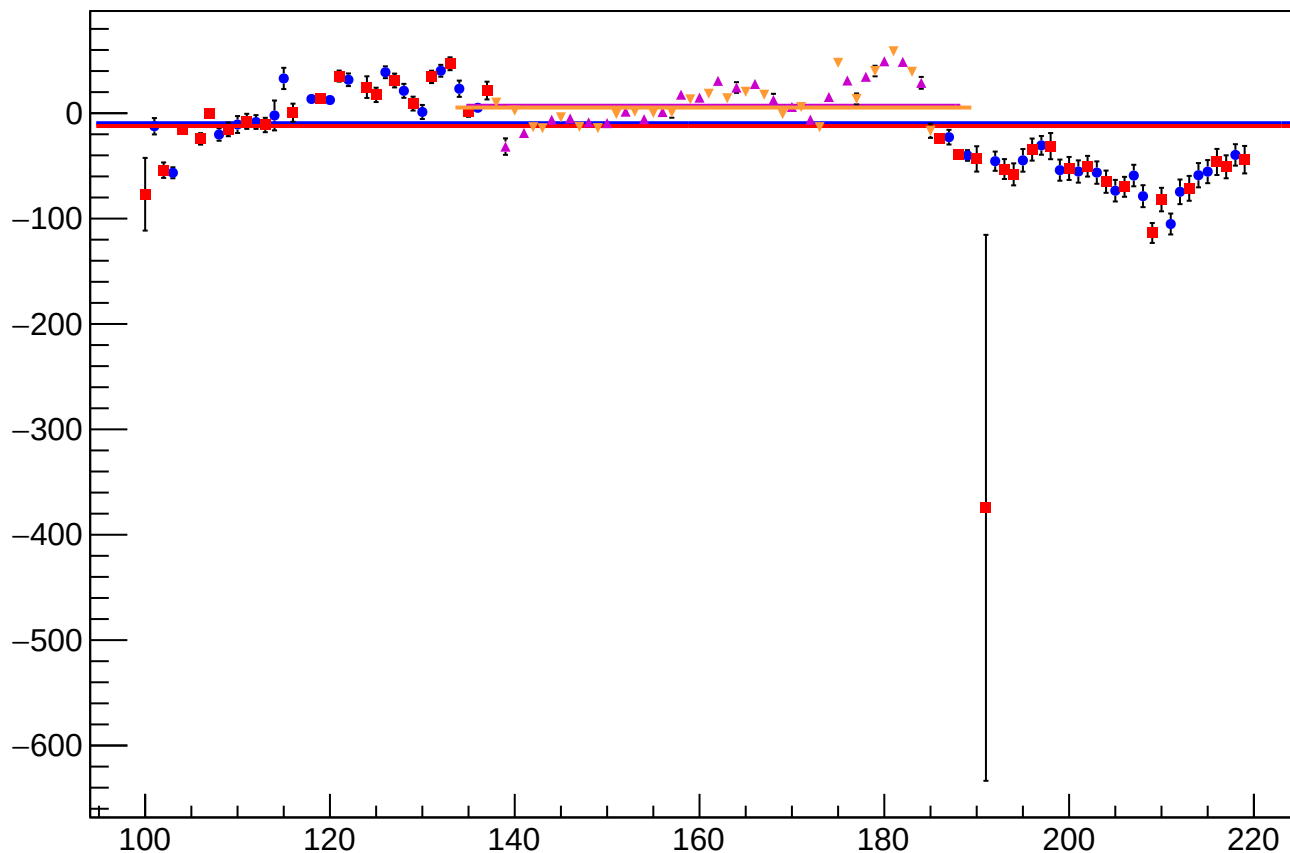
Left In: 177.403 ± 0.996 χ^2/NDF : 1963.0/22

+ sign 188.047 ± 0.708 χ^2/NDF : 5170.1/56

All: 191.236 ± 0.493 χ^2/NDF : 12075.0/116

- sign 194.229 ± 0.686 χ^2/NDF : 6865.6/59

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -9.507 ± 1.219 χ^2/NDF : 830.0/31

Left Out: 5.363 ± 0.710 χ^2/NDF : 810.0/24

Right Out: -12.163 ± 1.104 χ^2/NDF : 877.9/36

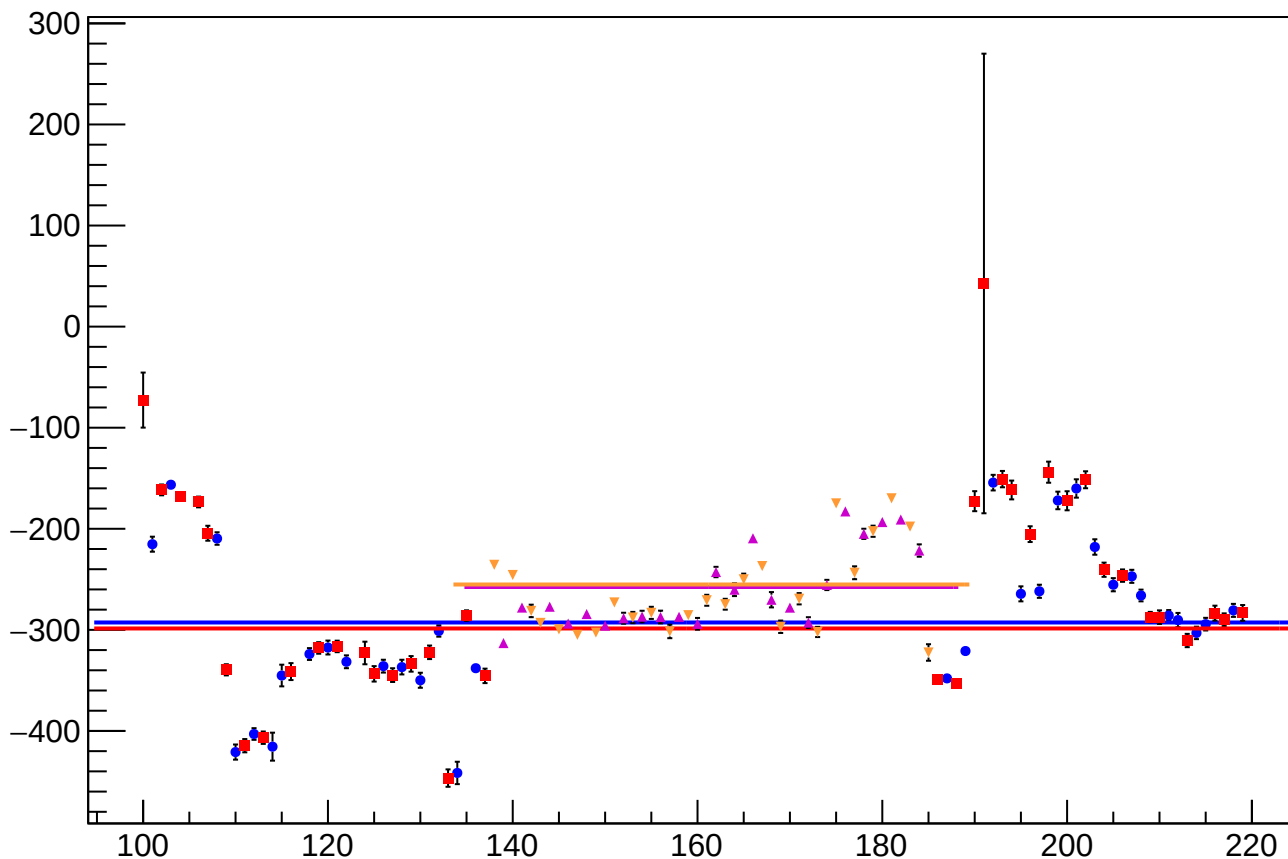
Left In: 7.061 ± 0.741 χ^2/NDF : 709.7/22

+ sign 1.594 ± 0.614 χ^2/NDF : 1751.0/56

All: 1.342 ± 0.435 χ^2/NDF : 3547.9/116

- sign 1.088 ± 0.616 χ^2/NDF : 1796.5/59

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -292.702 ± 1.061 χ^2/NDF : 4109.6/31

Left Out: -255.122 ± 0.956 χ^2/NDF : 2344.8/24

Right Out: -298.629 ± 0.928 χ^2/NDF : 6725.0/36

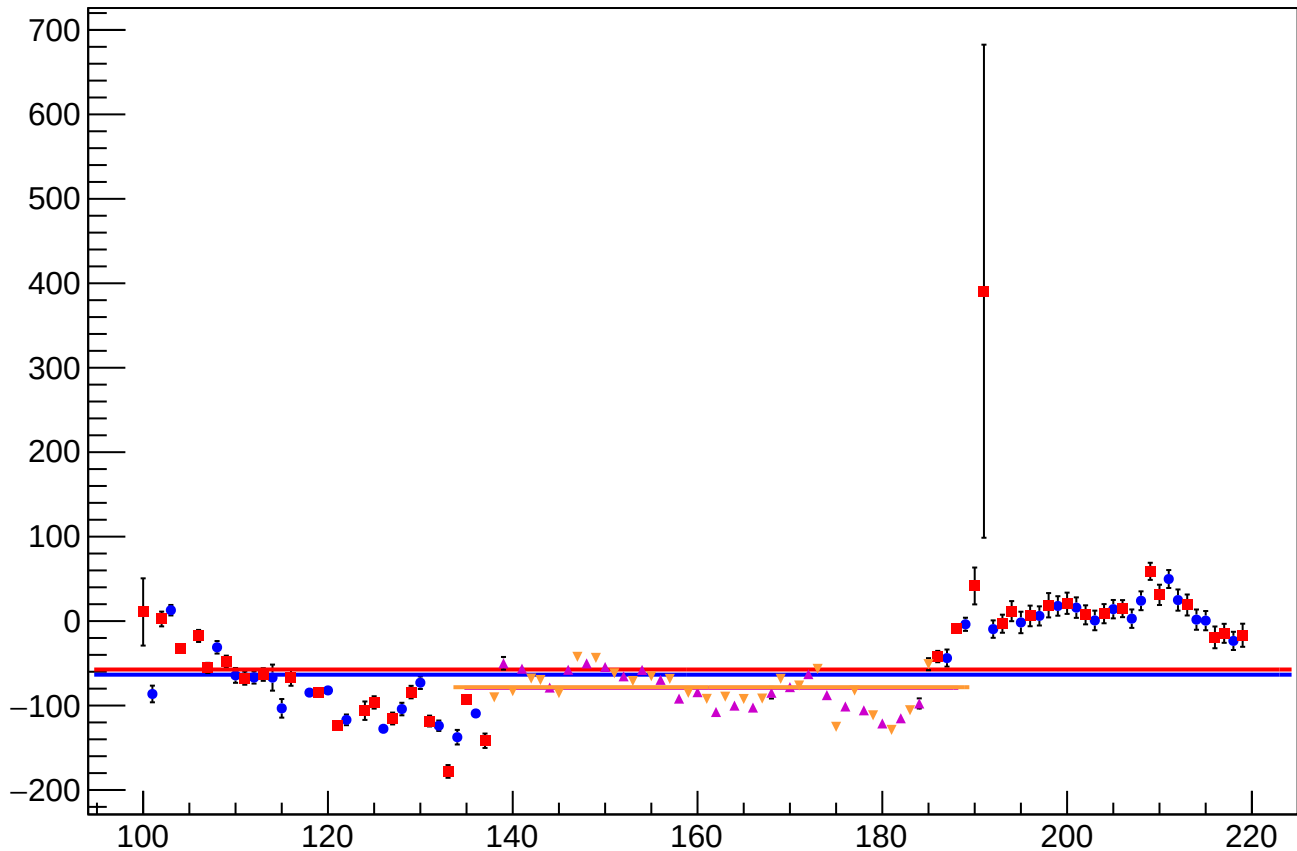
Left In: -257.600 ± 0.985 χ^2/NDF : 1808.1/22

+ sign -271.973 ± 0.710 χ^2/NDF : 7146.9/56

All: -275.841 ± 0.489 χ^2/NDF : 16656.0/116

- sign -279.337 ± 0.675 χ^2/NDF : 9452.6/59

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -63.462 ± 1.415 χ^2/NDF : 1395.5/31

Left Out: -78.292 ± 0.819 χ^2/NDF : 868.2/24

Right Out: -57.327 ± 1.319 χ^2/NDF : 1561.4/36

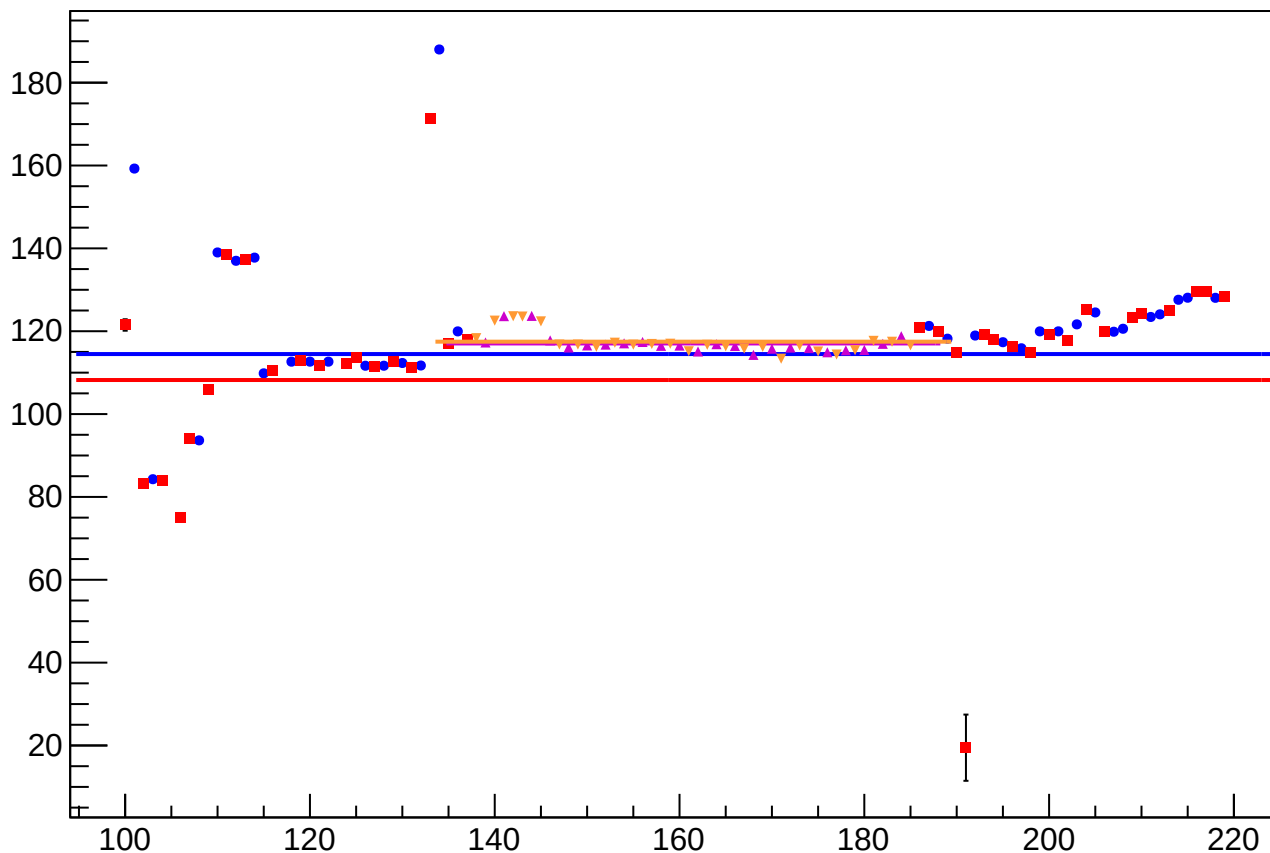
Left In: -79.066 ± 0.849 χ^2/NDF : 702.6/22

+ sign -74.571 ± 0.709 χ^2/NDF : 2346.0/56

All: -73.641 ± 0.503 χ^2/NDF : 4805.7/116

- sign -72.697 ± 0.714 χ^2/NDF : 2456.2/59

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 114.488 $\pm$ 0.067 χ^2 /NDF: 89566.7/31

Left Out: 117.477 $\pm$ 0.038 χ^2 /NDF: 4739.3/24

Right Out: 108.221 $\pm$ 0.064 χ^2 /NDF: 84438.0/36

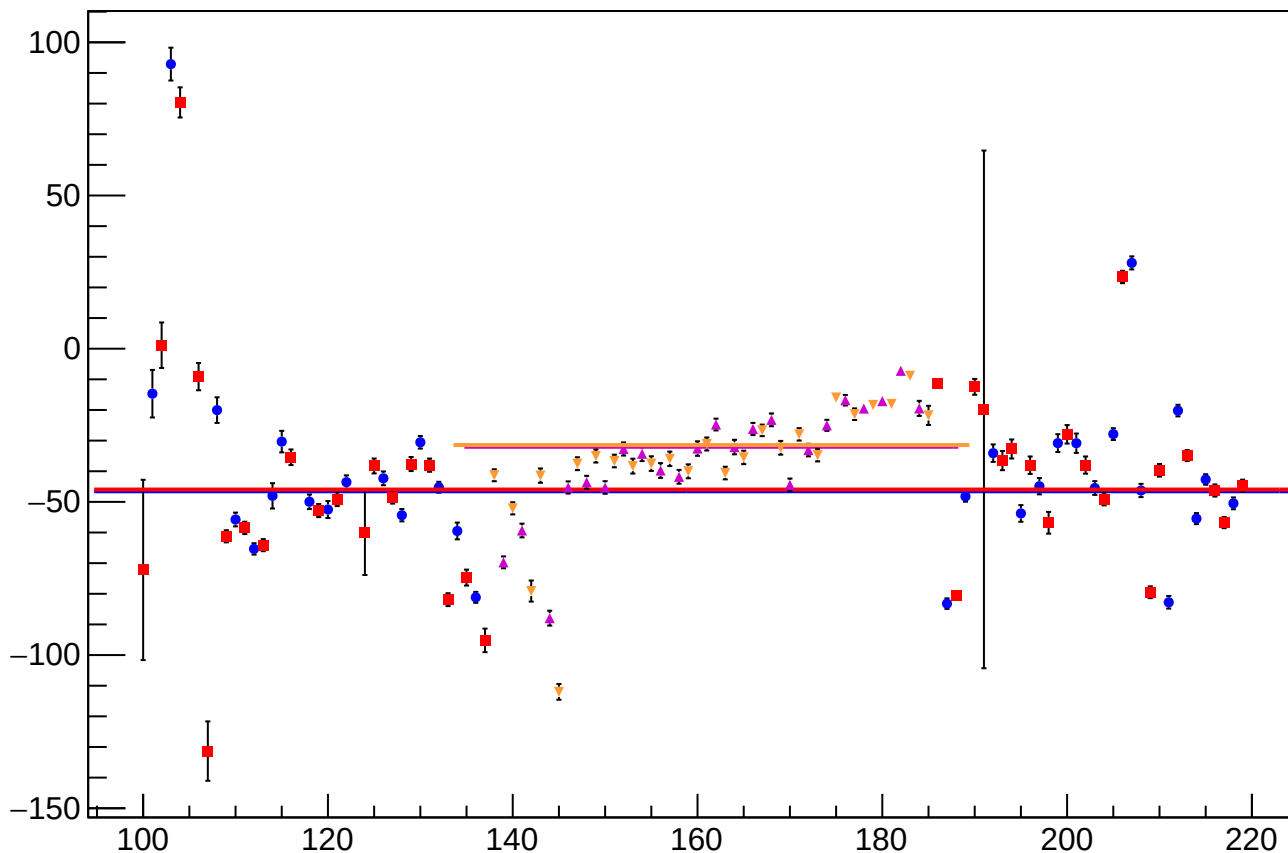
Left In: 117.046 $\pm$ 0.039 χ^2 /NDF: 3343.0/22

+ sign 116.755 $\pm$ 0.033 χ^2 /NDF: 95799.1/56

All: 115.712 $\pm$ 0.023 χ^2 /NDF: 199605.1/116

- sign 114.674 $\pm$ 0.033 χ^2 /NDF: 101824.3/59

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -46.531 ± 0.398 χ^2/NDF : 3747.2/31

Left Out: -31.452 ± 0.399 χ^2/NDF : 1992.2/24

Right Out: -45.970 ± 0.365 χ^2/NDF : 5779.5/36

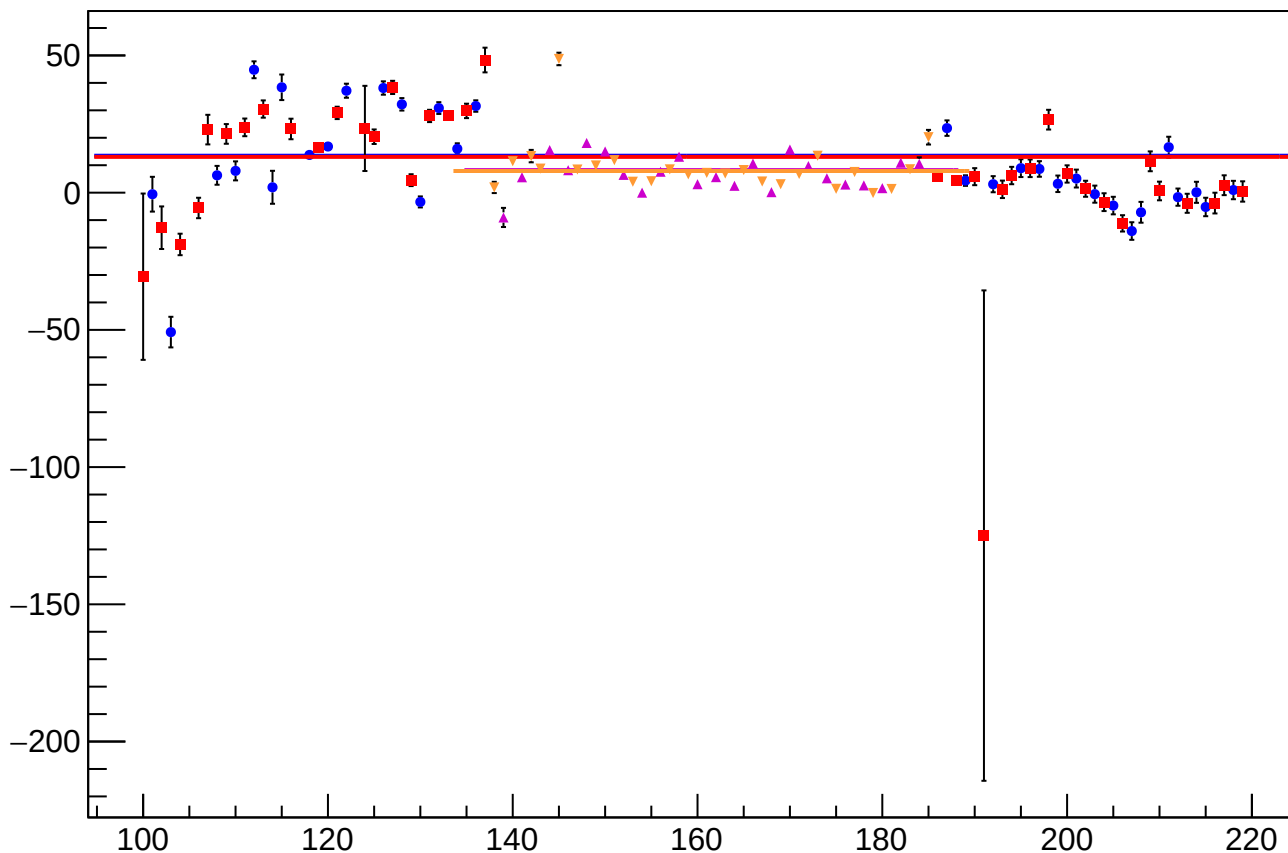
Left In: -32.015 ± 0.409 χ^2/NDF : 1913.4/22

+ sign -39.002 ± 0.282 χ^2/NDF : 6454.9/56

All: -39.412 ± 0.196 χ^2/NDF : 14800.4/116

- sign -39.794 ± 0.272 χ^2/NDF : 8341.5/59

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 13.459+/-0.477 χ^2/NDF : 1059.5/31

Left Out: 7.897+/-0.304 χ^2/NDF : 490.5/24

Right Out: 13.045+/-0.444 χ^2/NDF : 896.3/36

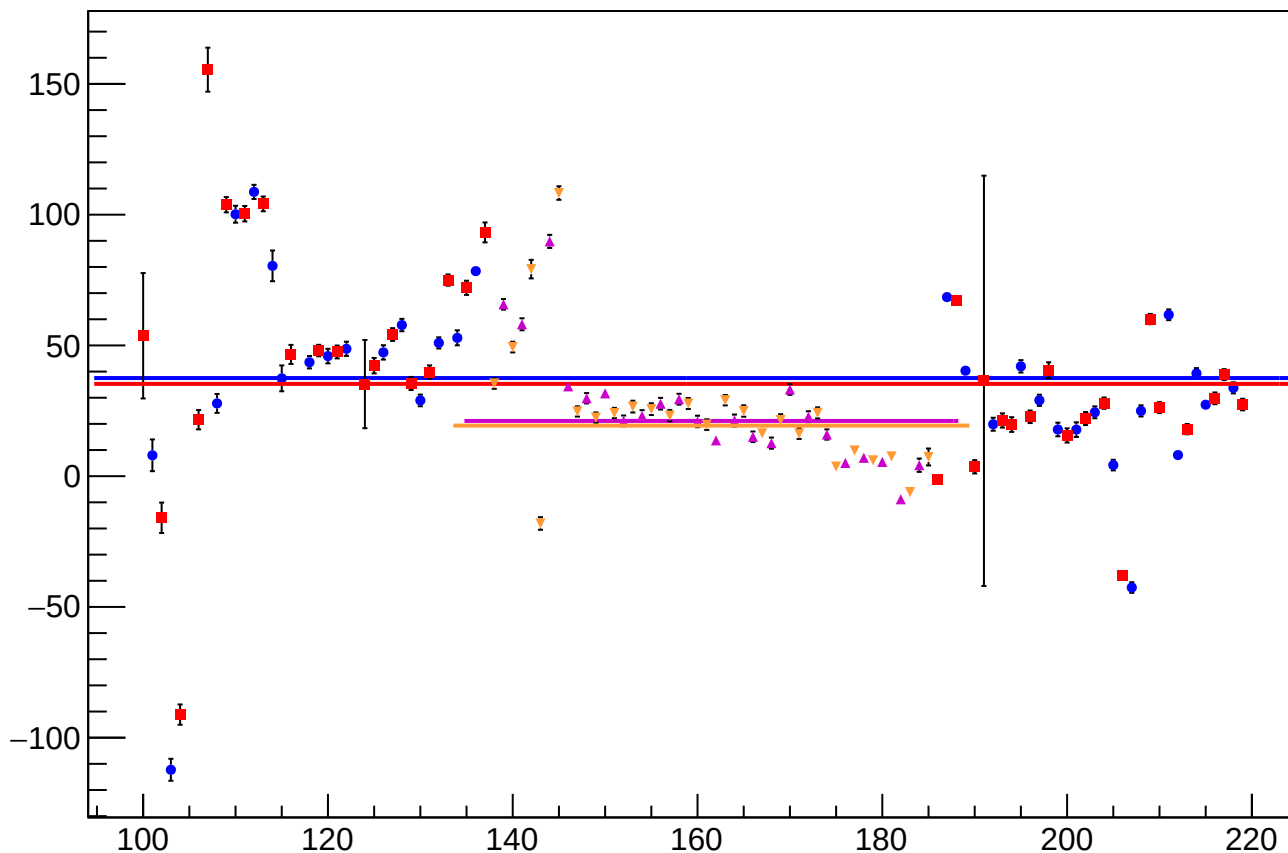
Left In: 8.223+/-0.316 χ^2/NDF : 338.8/22

+ sign 9.502+/-0.256 χ^2/NDF : 1646.7/56

All: 9.671+/-0.182 χ^2/NDF : 2961.1/116

- sign 9.841+/-0.257 χ^2/NDF : 1313.5/59

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 37.527 ± 0.408 χ^2/NDF : 6090.1/31

Left Out: 19.339 ± 0.396 χ^2/NDF : 2682.4/24

Right Out: 35.296 ± 0.357 χ^2/NDF : 9388.5/36

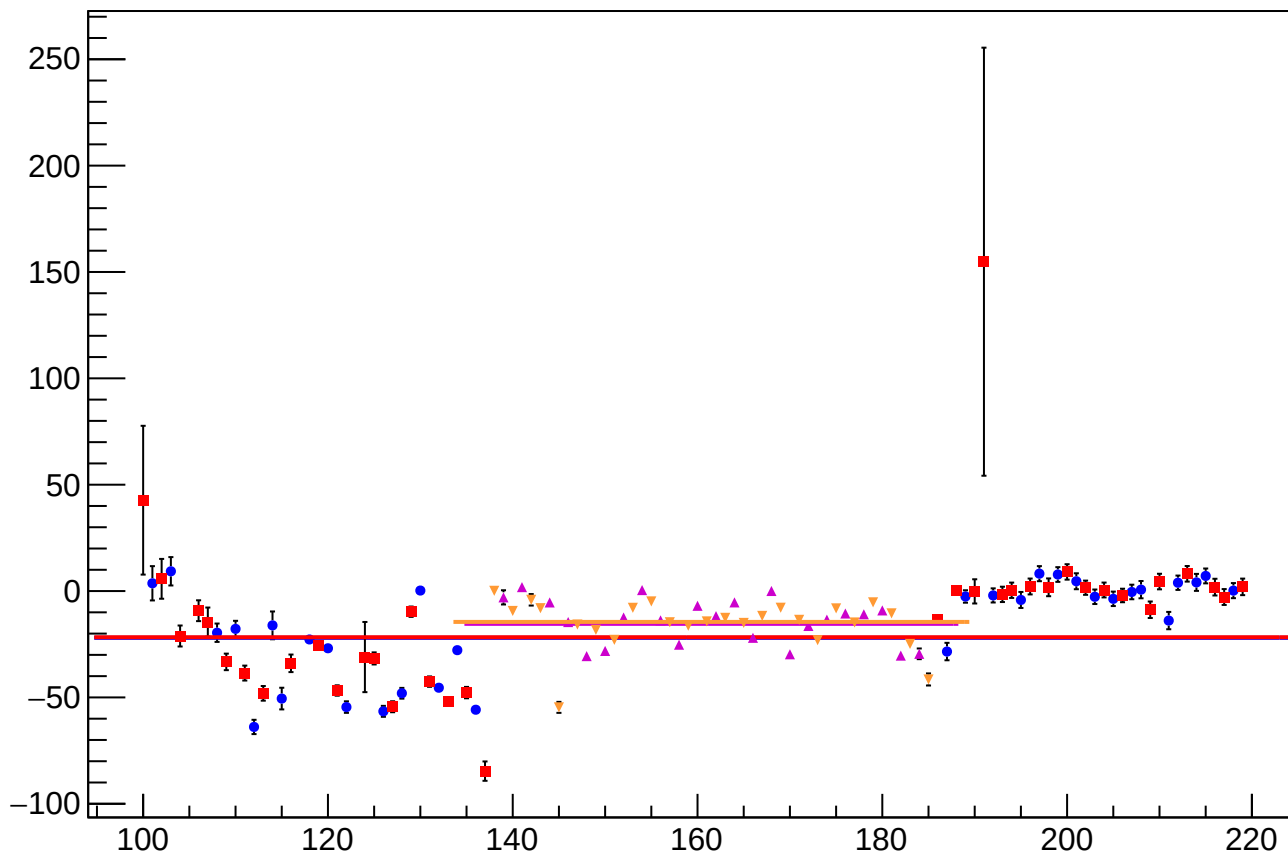
Left In: 21.124 ± 0.405 χ^2/NDF : 2504.8/22

+ sign 28.145 ± 0.284 χ^2/NDF : 9795.9/56

All: 28.643 ± 0.195 χ^2/NDF : 22383.8/116

- sign 29.087 ± 0.268 χ^2/NDF : 12582.0/59

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -21.988 ± 0.550 χ^2/NDF : 1772.5/31

Left Out: -14.502 ± 0.344 χ^2/NDF : 641.0/24

Right Out: -21.715 ± 0.530 χ^2/NDF : 1761.5/36

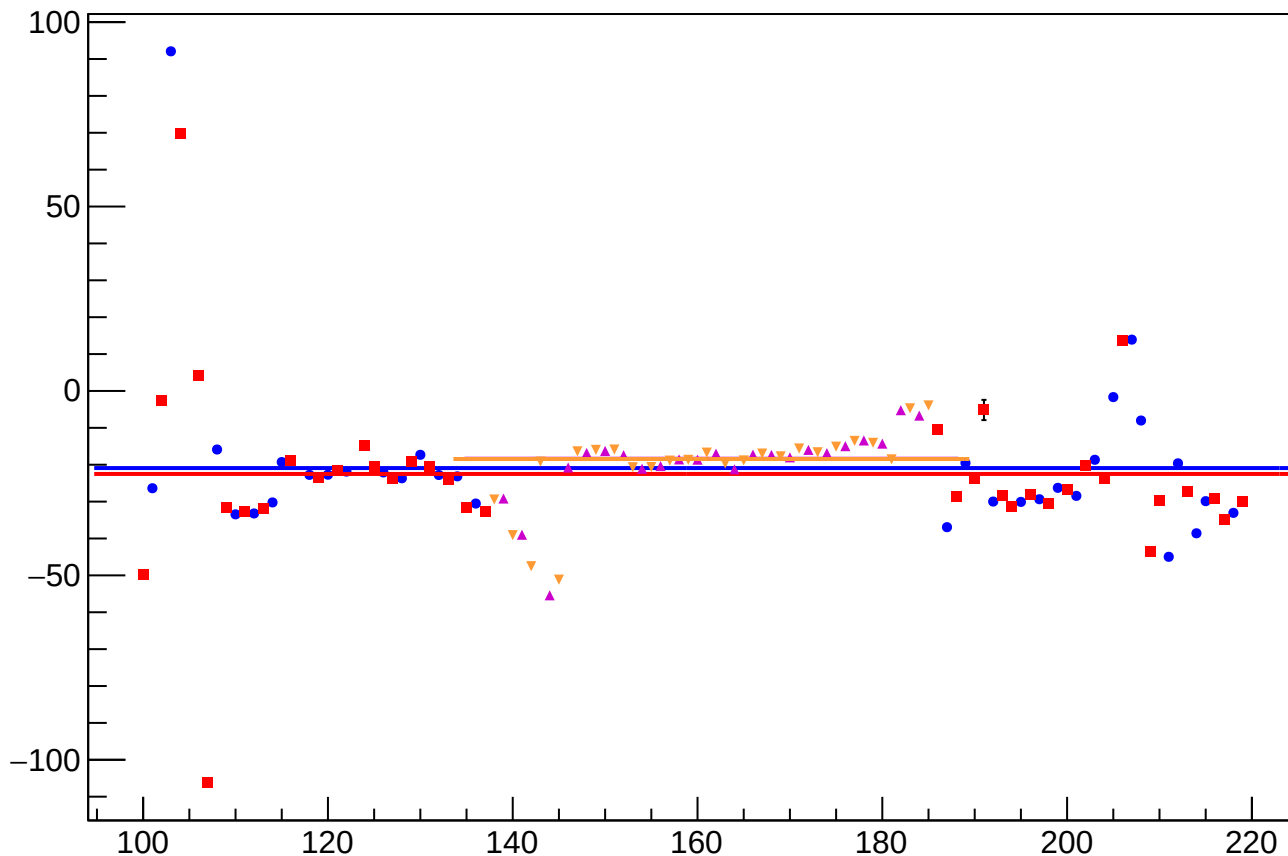
Left In: -15.417 ± 0.355 χ^2/NDF : 798.7/22

+ sign -16.606 ± 0.292 χ^2/NDF : 2546.6/56

All: -16.983 ± 0.207 χ^2/NDF : 5207.5/116

- sign -17.368 ± 0.295 χ^2/NDF : 2657.5/59

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.906 ± 0.027 $\chi^2/\text{NDF}: 585676.2/31$

Left Out: -18.450 ± 0.015 $\chi^2/\text{NDF}: 295359.2/24$

Right Out: -22.502 ± 0.026 $\chi^2/\text{NDF}: 489082.2/36$

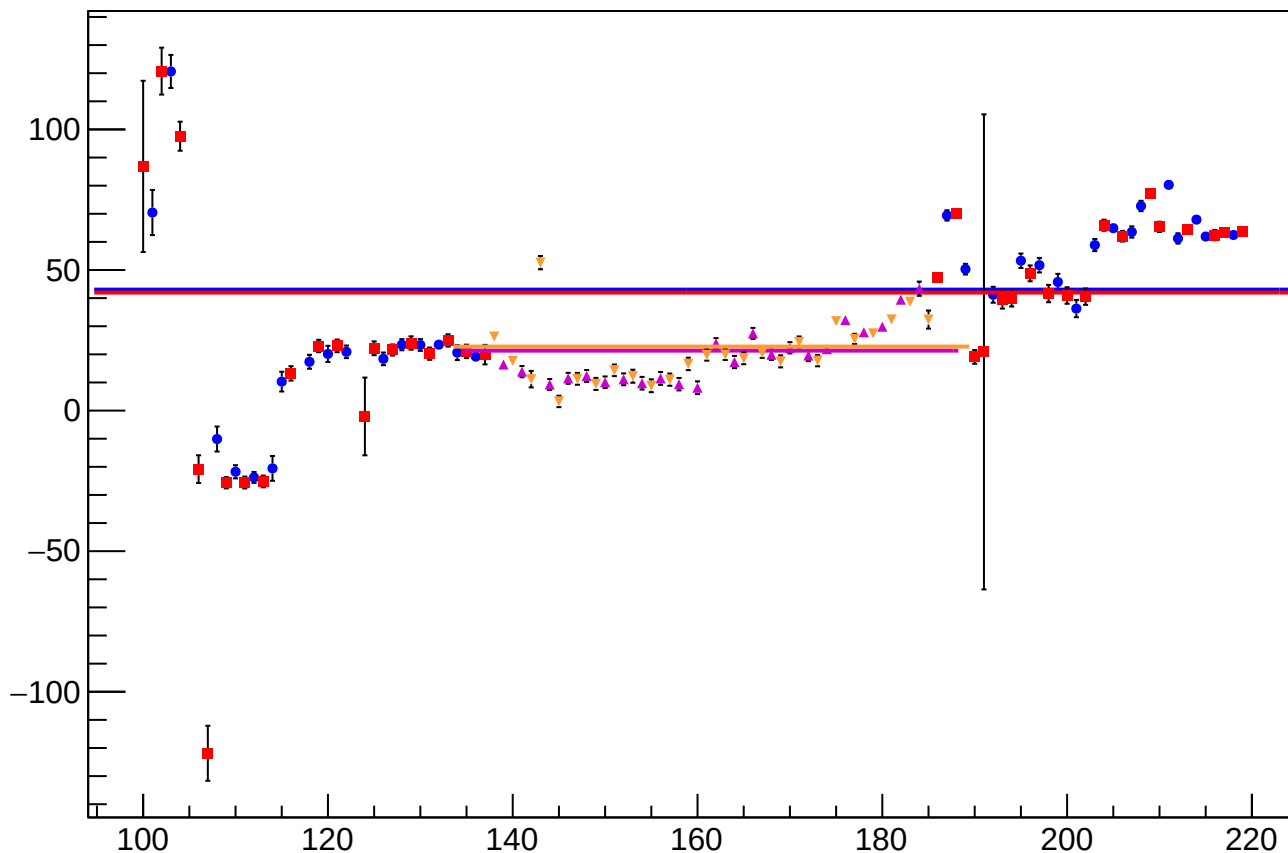
Left In: -18.378 ± 0.016 $\chi^2/\text{NDF}: 250040.9/22$

+ sign -19.064 ± 0.013 $\chi^2/\text{NDF}: 887338.2/56$

All: -19.259 ± 0.010 $\chi^2/\text{NDF}: 1644828.4/116$

- sign -19.458 ± 0.014 $\chi^2/\text{NDF}: 757064.4/59$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 43.022 $\pm$ 0.385 χ^2 /NDF: 5454.1/31

Left Out: 22.766 $\pm$ 0.383 χ^2 /NDF: 722.8/24

Right Out: 41.983 $\pm$ 0.363 χ^2 /NDF: 6973.9/36

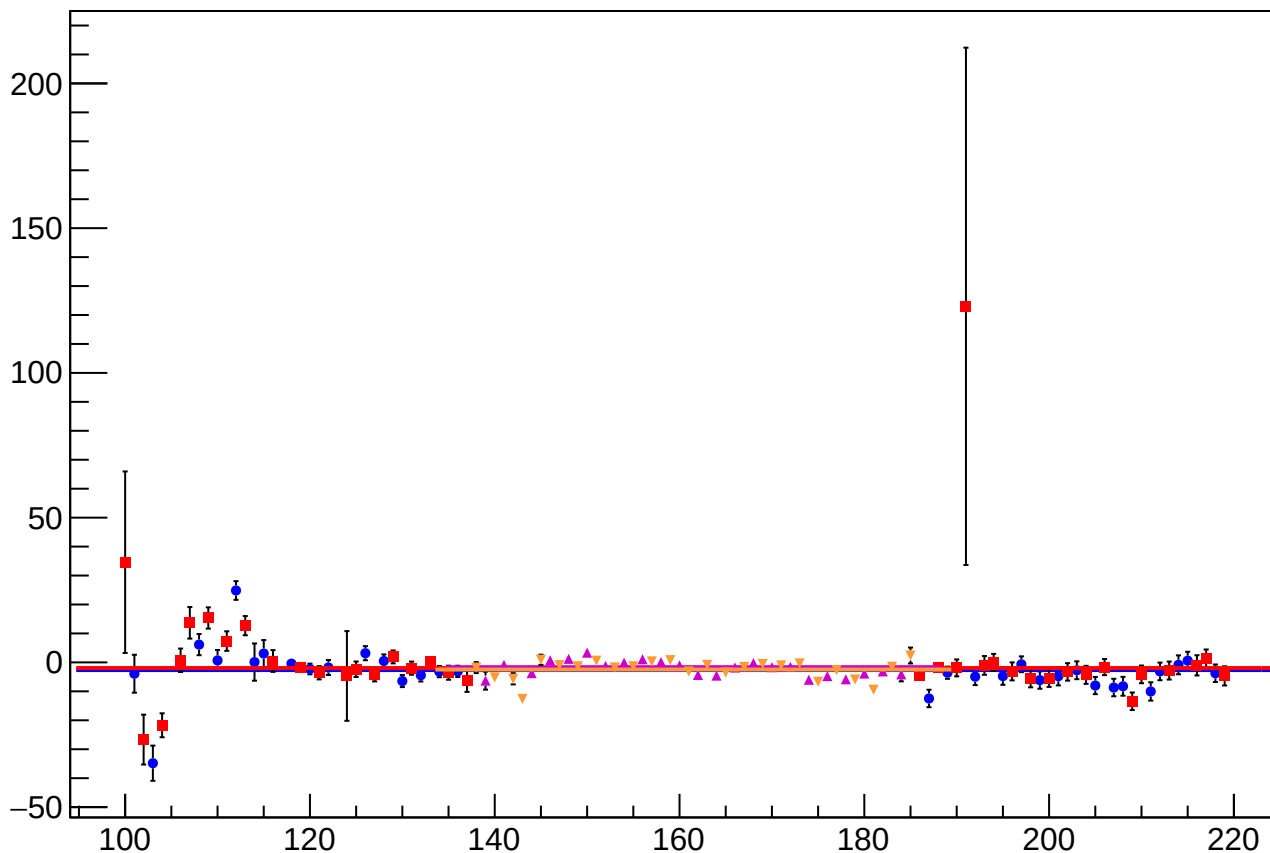
Left In: 21.325 $\pm$ 0.393 χ^2 /NDF: 629.9/22

+ sign 32.819 $\pm$ 0.272 χ^2 /NDF: 7567.9/56

All: 32.635 $\pm$ 0.190 χ^2 /NDF: 16663.4/116

- sign 32.458 $\pm$ 0.267 χ^2 /NDF: 9094.6/59

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.646 ± 0.474 χ^2/NDF : 154.9/31

Left Out: -2.468 ± 0.293 χ^2/NDF : 116.7/24

Right Out: -1.959 ± 0.452 χ^2/NDF : 123.5/36

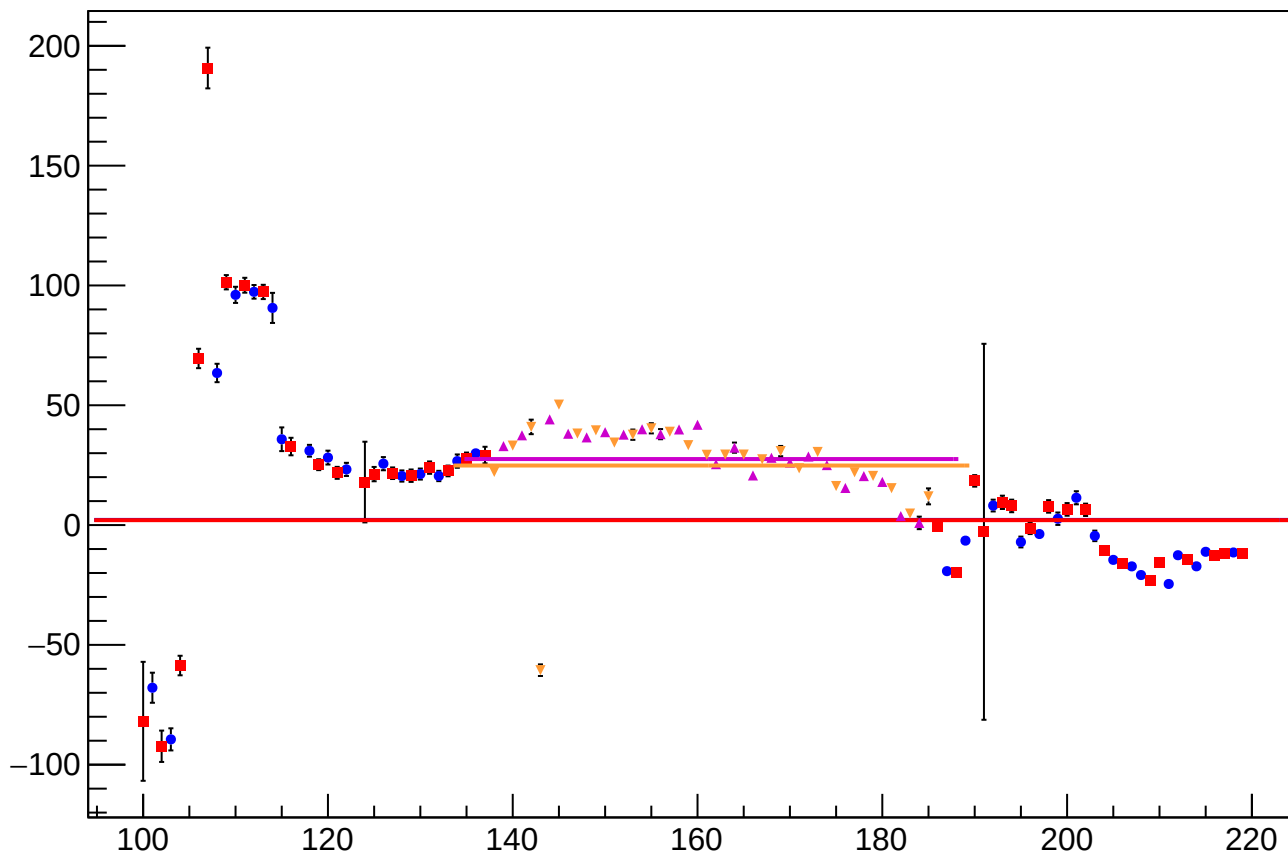
Left In: -1.659 ± 0.304 χ^2/NDF : 70.2/22

+ sign -2.518 ± 0.249 χ^2/NDF : 271.7/56

All: -2.140 ± 0.177 χ^2/NDF : 470.3/116

- sign -1.753 ± 0.252 χ^2/NDF : 194.0/59

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 2.148 ± 0.397 $\chi^2/\text{NDF}: 4976.1/31$

Left Out: 24.850 ± 0.380 $\chi^2/\text{NDF}: 2048.7/24$

Right Out: 2.050 ± 0.363 $\chi^2/\text{NDF}: 6475.5/36$

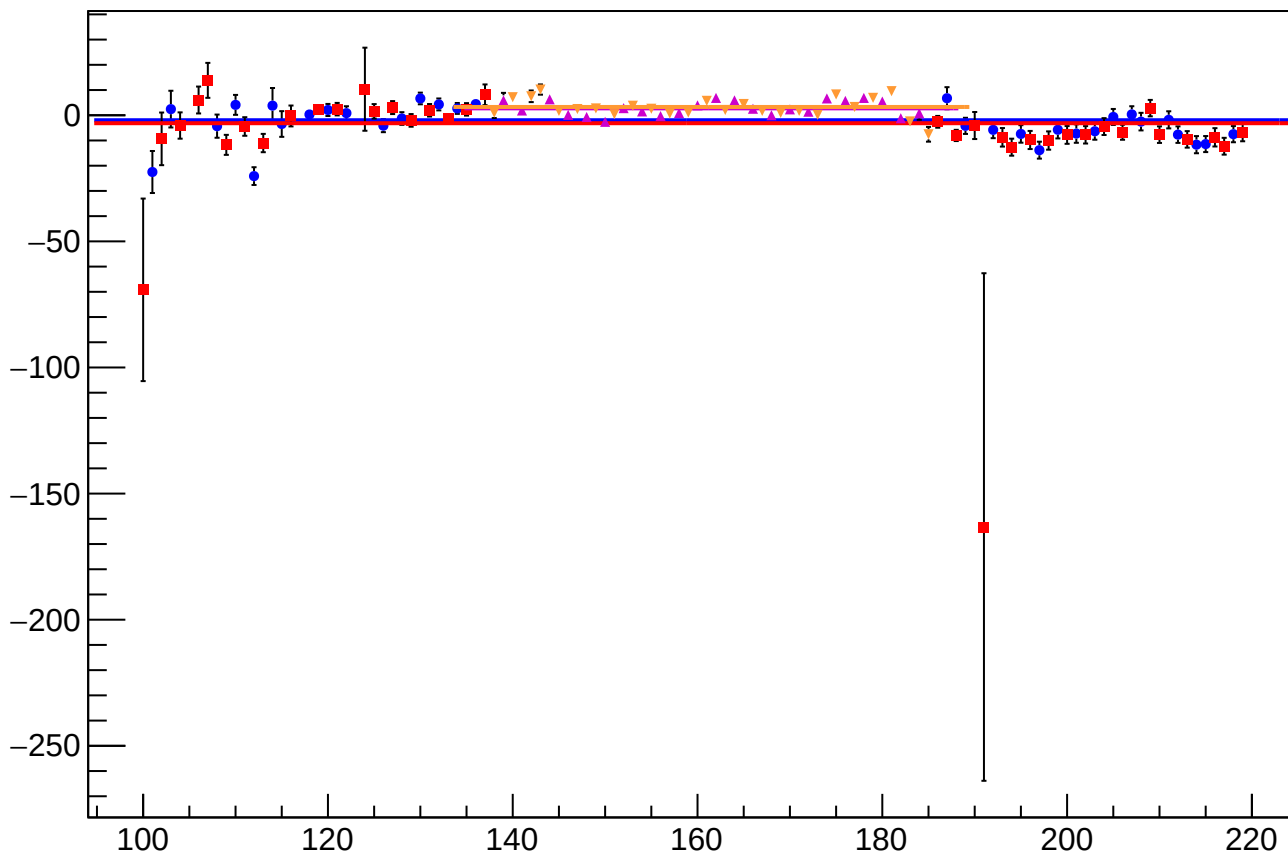
Left In: 27.551 ± 0.389 $\chi^2/\text{NDF}: 881.9/22$

+ sign 14.003 ± 0.274 $\chi^2/\text{NDF}: 8732.3/56$

All: 13.956 ± 0.191 $\chi^2/\text{NDF}: 18389.4/116$

- sign 13.913 ± 0.265 $\chi^2/\text{NDF}: 9657.1/59$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.972 ± 0.541 χ^2/NDF : 141.6/31

Left Out: 3.287 ± 0.331 χ^2/NDF : 106.3/24

Right Out: -3.153 ± 0.532 χ^2/NDF : 112.7/36

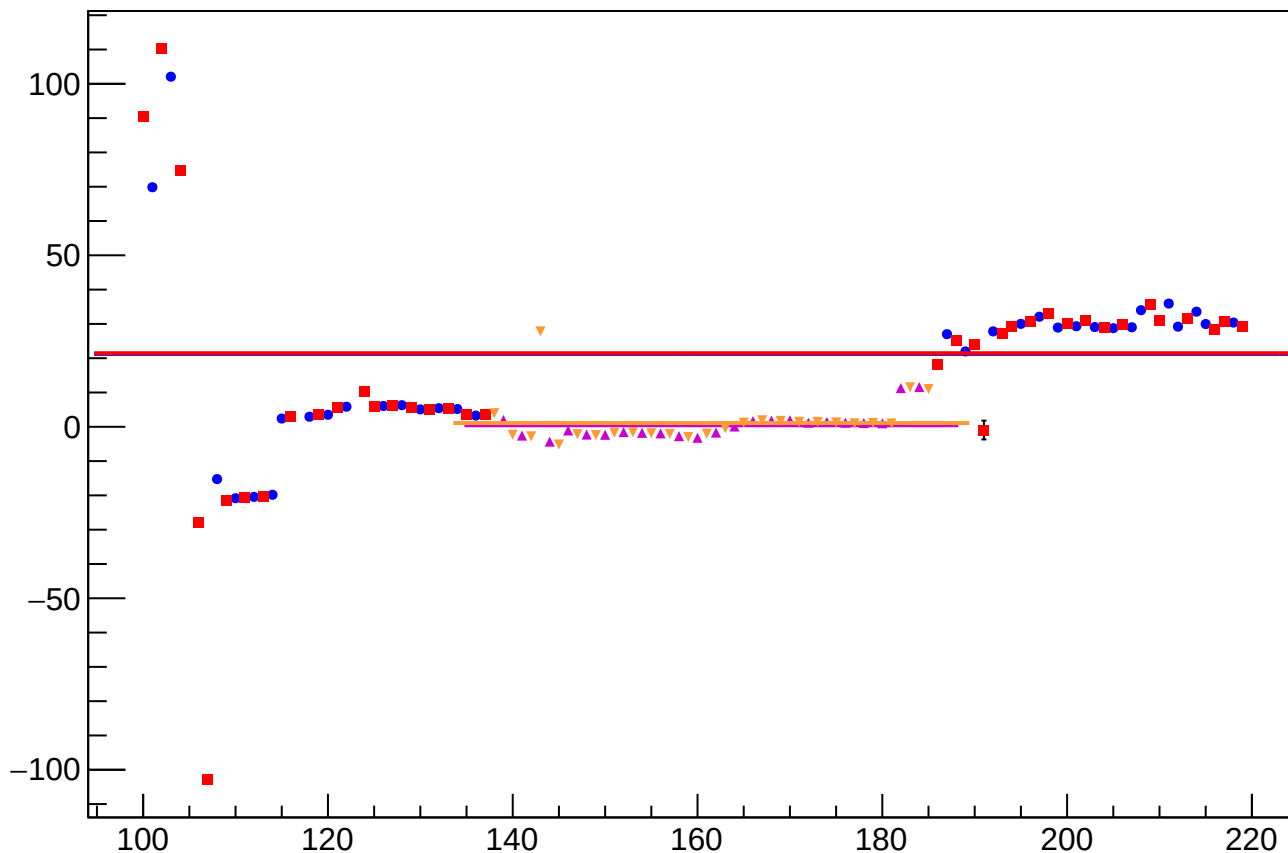
Left In: 2.730 ± 0.342 χ^2/NDF : 74.5/22

+ sign 1.853 ± 0.283 χ^2/NDF : 316.6/56

All: 1.439 ± 0.202 χ^2/NDF : 594.5/116

- sign 1.010 ± 0.288 χ^2/NDF : 273.6/59

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.259+/-0.026 χ^2/NDF : 507278.2/31

Left Out: 1.094+/-0.015 χ^2/NDF : 128801.7/24

Right Out: 21.442+/-0.026 χ^2/NDF : 647769.3/36

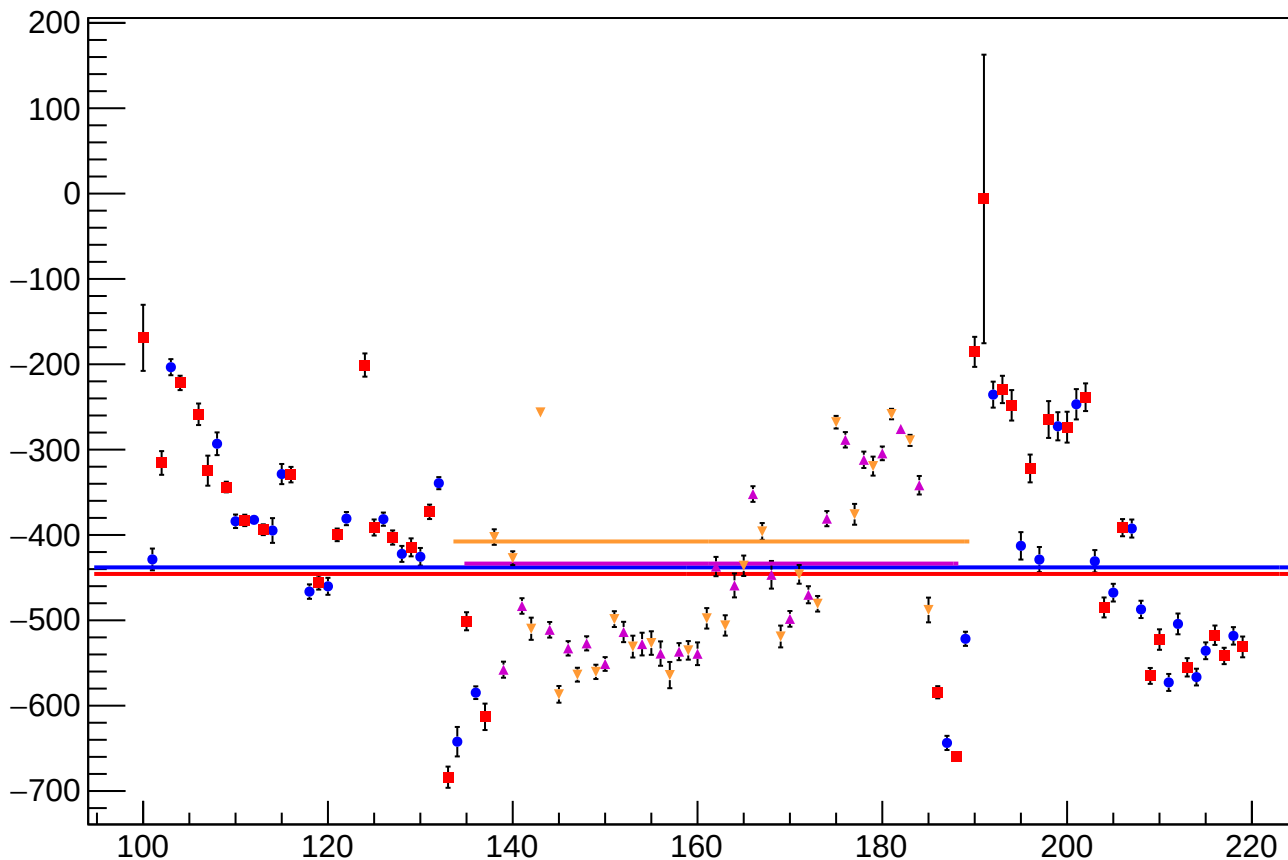
Left In: 0.443+/-0.015 χ^2/NDF : 53446.3/22

+ sign 6.060+/-0.013 χ^2/NDF : 1090954.8/56

All: 5.908+/-0.009 χ^2/NDF : 2282259.6/116

- sign 5.752+/-0.013 χ^2/NDF : 1191021.8/59

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -437.968 ± 1.742 χ^2/NDF : 3529.6/31

Left Out: -407.620 ± 1.868 χ^2/NDF : 4005.6/24

Right Out: -445.669 ± 1.610 χ^2/NDF : 6922.5/36

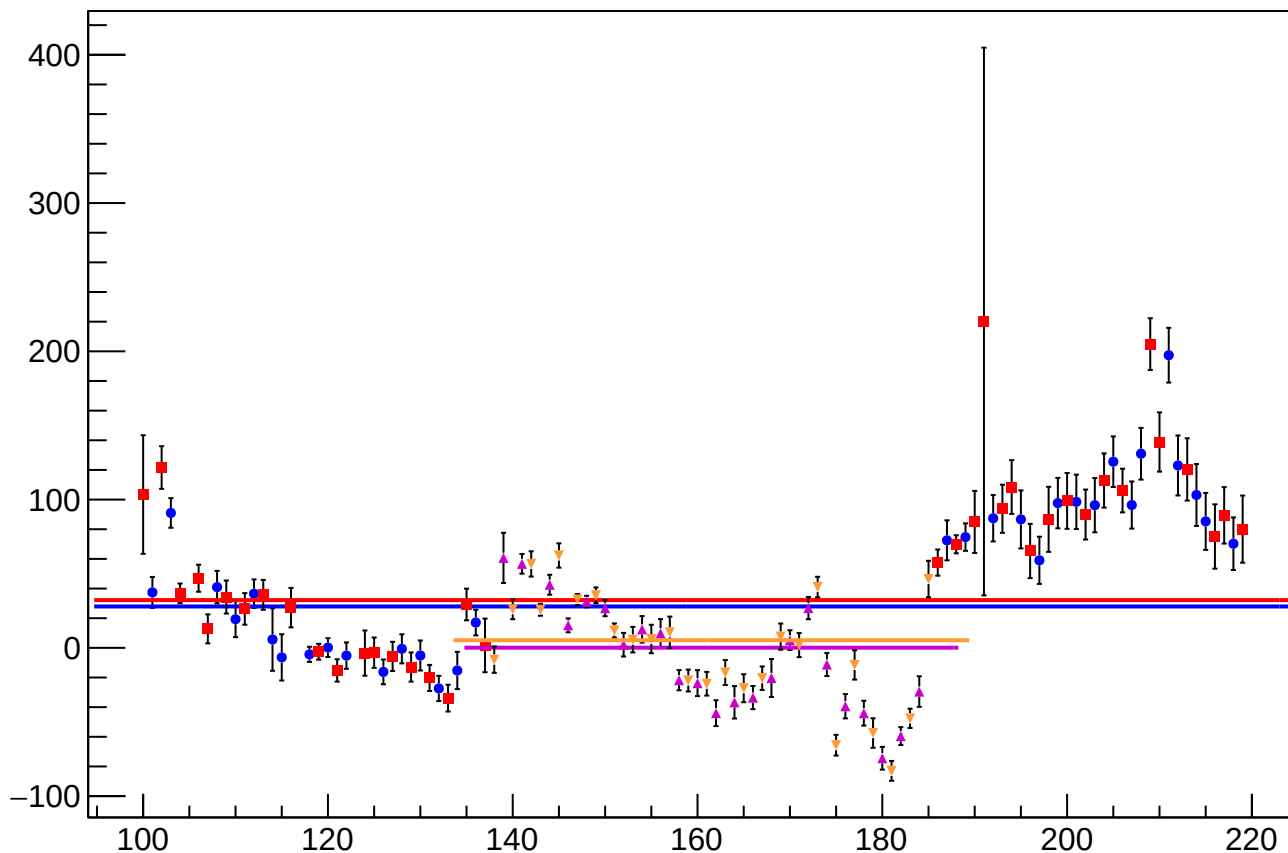
Left In: -433.529 ± 1.993 χ^2/NDF : 2724.5/22

+ sign -423.854 ± 1.274 χ^2/NDF : 7676.4/56

All: -432.509 ± 0.893 χ^2/NDF : 17436.7/116

- sign -440.875 ± 1.252 χ^2/NDF : 9669.5/59

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 27.913 $\pm$ 1.974 χ^2 /NDF: 554.0/31

Left Out: 5.125 $\pm$ 1.379 χ^2 /NDF: 689.2/24

Right Out: 32.213 $\pm$ 1.857 χ^2 /NDF: 602.8/36

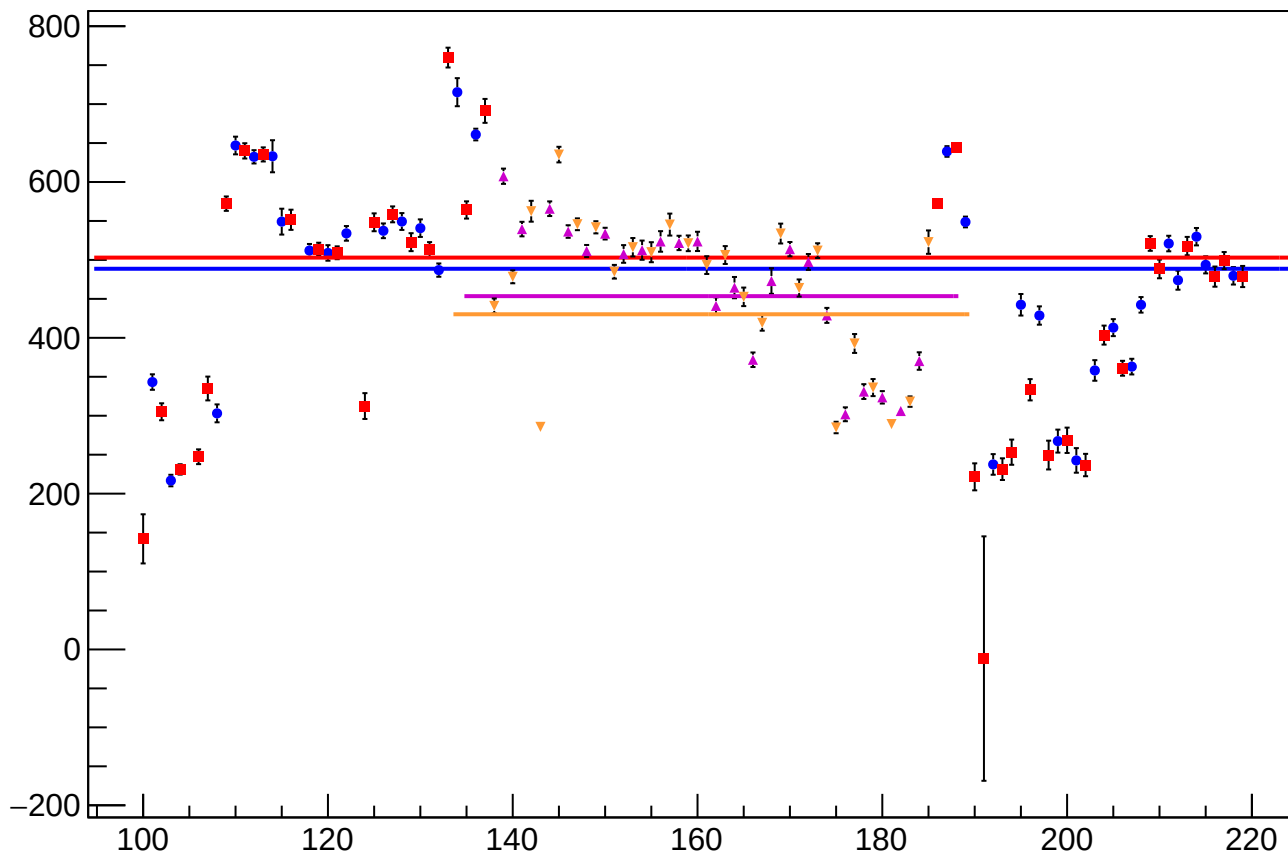
Left In: 0.124 $\pm$ 1.489 χ^2 /NDF: 568.6/22

+ sign 12.594 $\pm$ 1.130 χ^2 /NDF: 1332.7/56

All: 12.637 $\pm$ 0.810 χ^2 /NDF: 2685.8/116

- sign 12.683 $\pm$ 1.162 χ^2 /NDF: 1353.1/59

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 488.642 ± 1.810 $\chi^2/\text{NDF}: 4942.1/31$

Left Out: 430.238 ± 1.861 $\chi^2/\text{NDF}: 3405.1/24$

Right Out: 502.965 ± 1.629 $\chi^2/\text{NDF}: 8080.5/36$

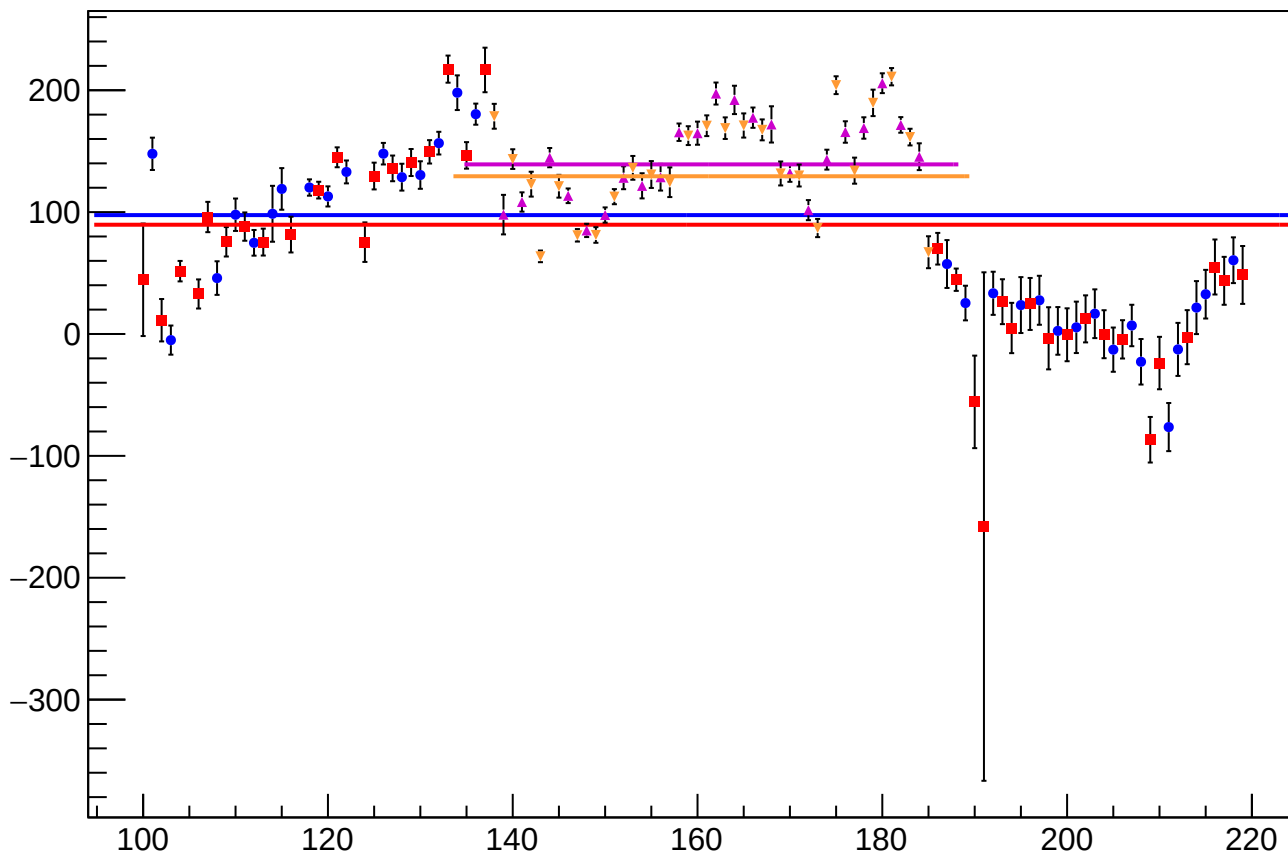
Left In: 453.496 ± 1.974 $\chi^2/\text{NDF}: 2419.7/22$

+ sign 460.249 ± 1.298 $\chi^2/\text{NDF}: 8853.2/56$

All: 471.951 ± 0.903 $\chi^2/\text{NDF}: 19884.5/116$

- sign 482.921 ± 1.256 $\chi^2/\text{NDF}: 10873.7/59$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 97.547 ± 2.301 χ^2/NDF : 729.1/31

Left Out: 129.418 ± 1.593 χ^2/NDF : 814.3/24

Right Out: 89.651 ± 2.199 χ^2/NDF : 760.5/36

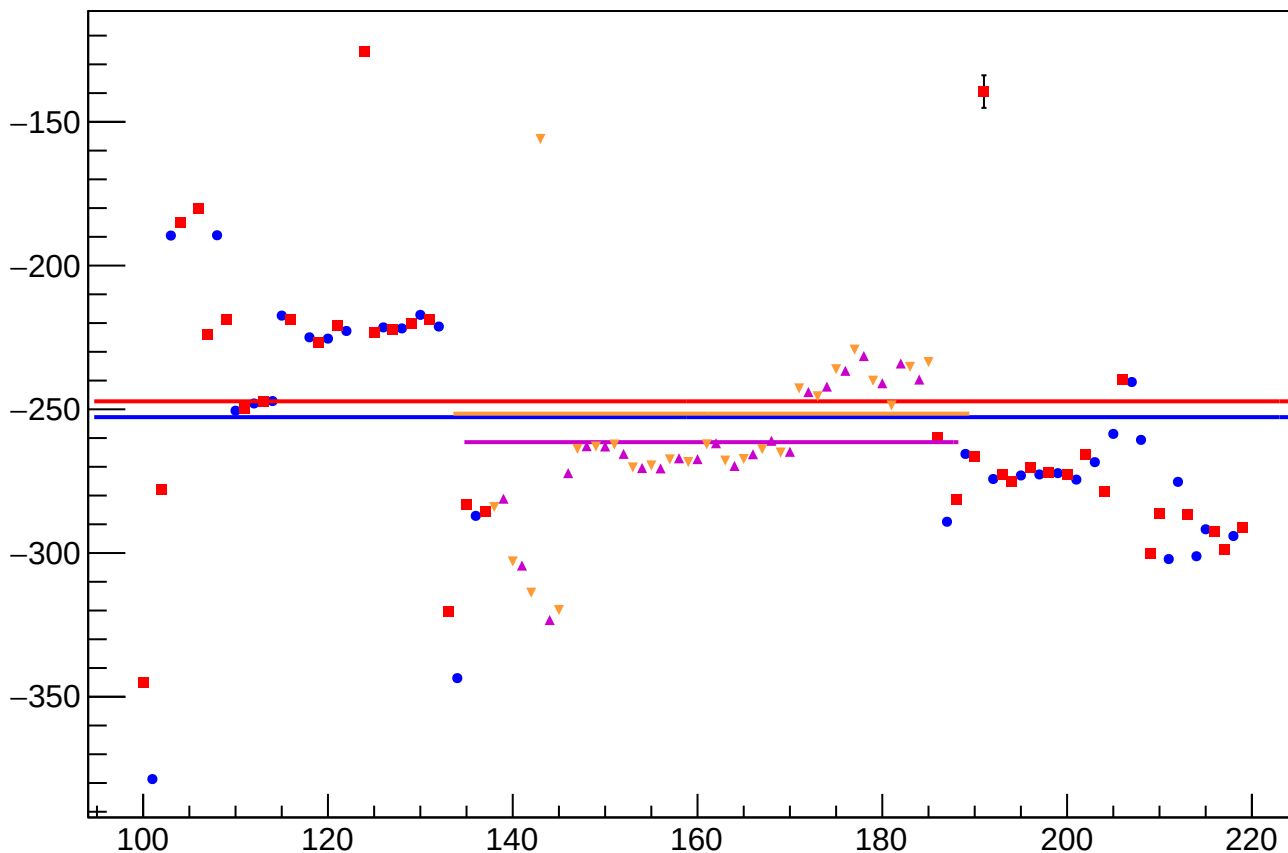
Left In: 139.163 ± 1.705 χ^2/NDF : 434.2/22

+ sign 119.095 ± 1.310 χ^2/NDF : 1673.1/56

All: 119.814 ± 0.939 χ^2/NDF : 3185.0/116

- sign 120.575 ± 1.347 χ^2/NDF : 1511.3/59

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -252.724 ± 0.117 χ^2/NDF : 156928.7/31

Left Out: -251.508 ± 0.075 χ^2/NDF : 254924.4/24

Right Out: -247.222 ± 0.114 χ^2/NDF : 123901.4/36

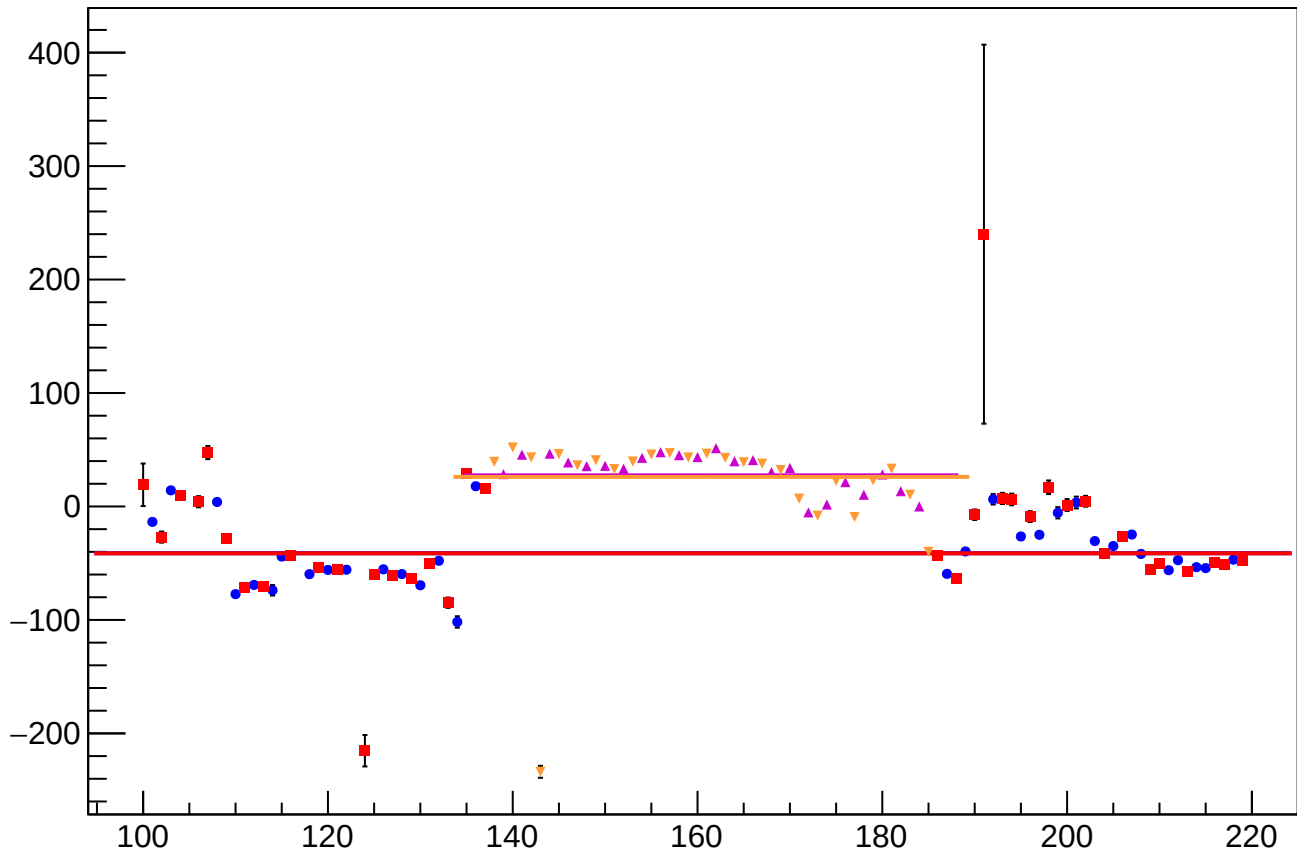
Left In: -261.425 ± 0.078 χ^2/NDF : 69557.7/22

+ sign -251.858 ± 0.063 χ^2/NDF : 411929.6/56

All: -254.321 ± 0.045 χ^2/NDF : 619144.4/116

- sign -256.886 ± 0.064 χ^2/NDF : 204089.8/59

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.194 ± 0.531 χ^2/NDF : 2846.0/31

Left Out: 26.087 ± 0.390 χ^2/NDF : 4785.1/24

Right Out: -41.298 ± 0.486 χ^2/NDF : 3377.7/36

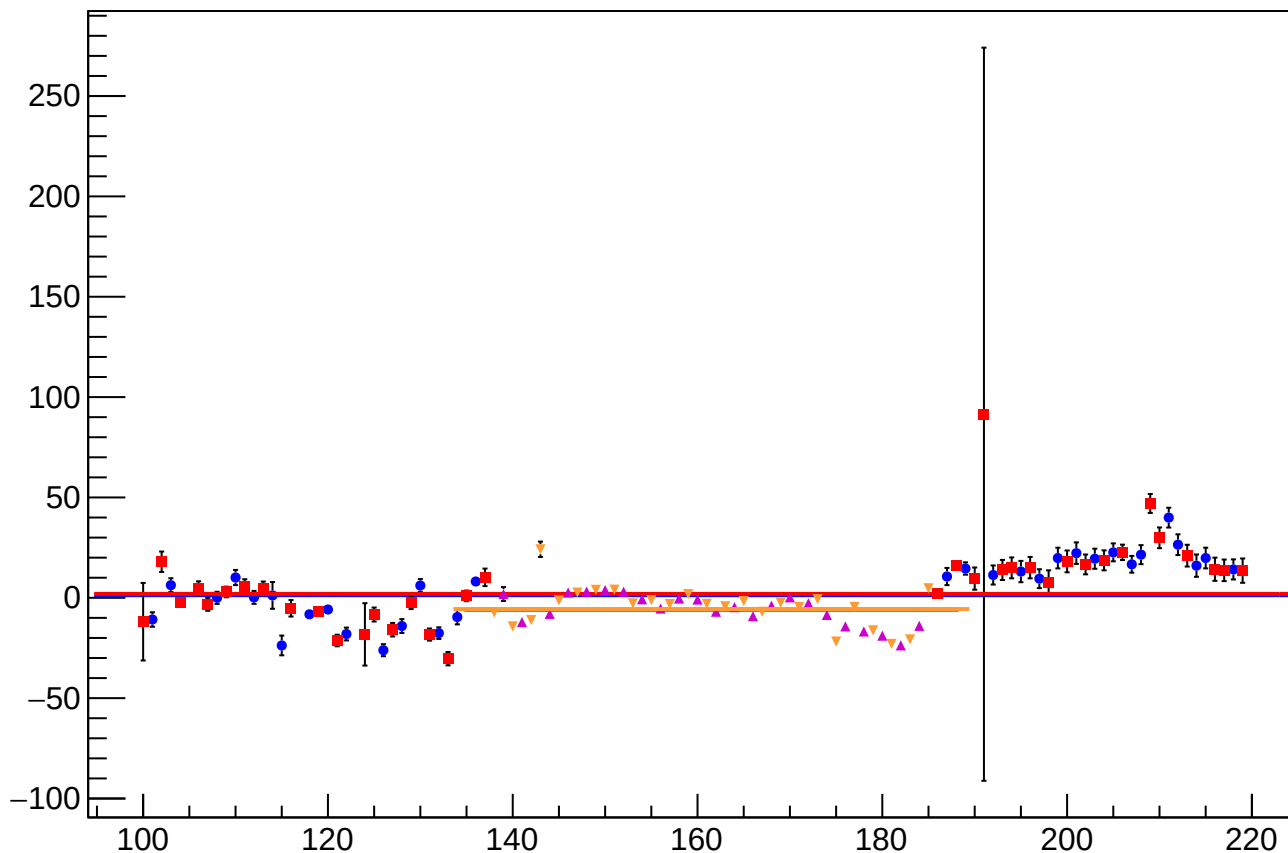
Left In: 27.466 ± 0.396 χ^2/NDF : 1608.9/22

+ sign 2.530 ± 0.314 χ^2/NDF : 18068.0/56

All: 1.272 ± 0.220 χ^2/NDF : 35111.3/116

- sign 0.071 ± 0.307 χ^2/NDF : 17012.0/59

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 1.311 ± 0.632 χ^2/NDF : 526.3/31

Left Out: -5.625 ± 0.302 χ^2/NDF : 893.3/24

Right Out: 1.950 ± 0.592 χ^2/NDF : 560.5/36

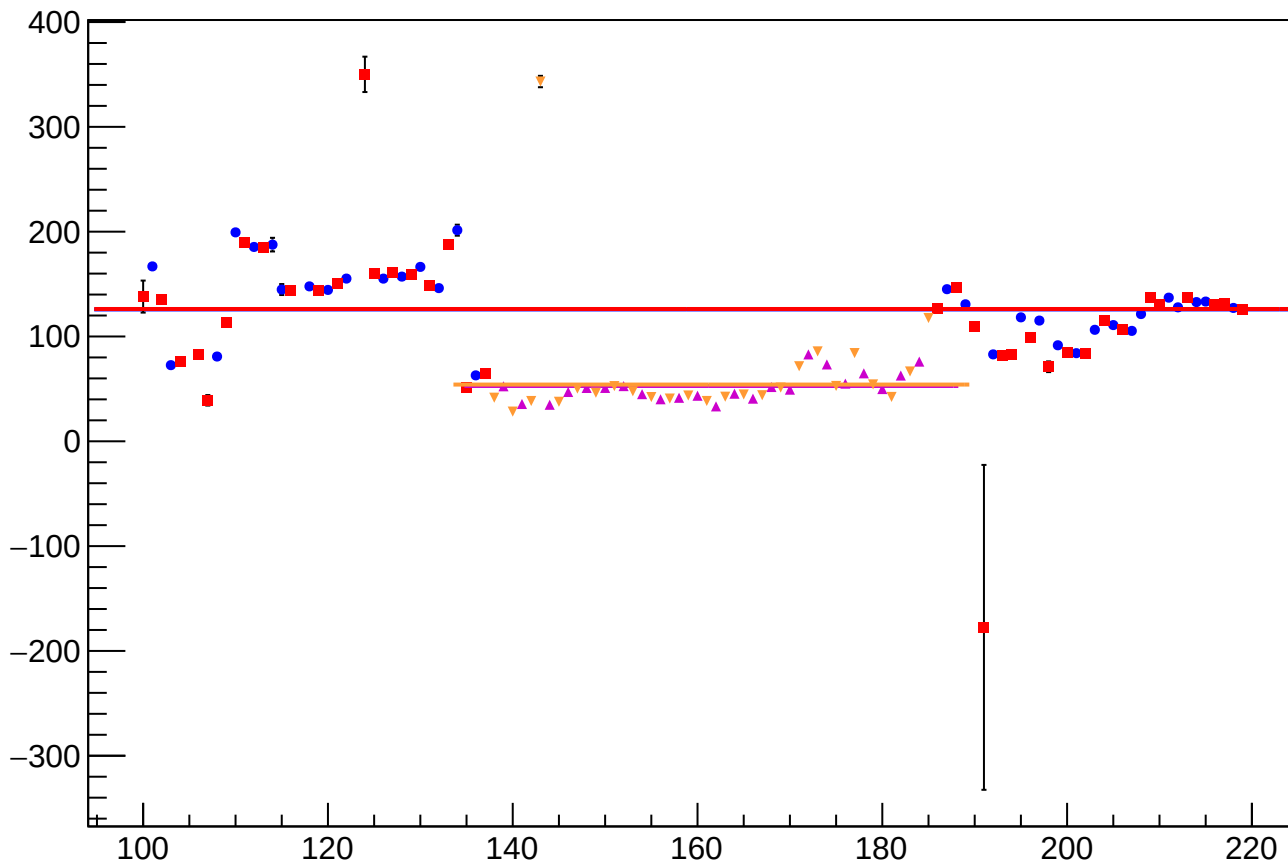
Left In: -5.940 ± 0.309 χ^2/NDF : 712.2/22

+ sign -4.337 ± 0.272 χ^2/NDF : 1517.6/56

All: -4.295 ± 0.193 χ^2/NDF : 2929.8/116

- sign -4.252 ± 0.274 χ^2/NDF : 1412.1/59

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 125.799 $\pm$ 0.549 χ^2 /NDF: 4148.6/31

Left Out: 54.123 $\pm$ 0.387 χ^2 /NDF: 4591.8/24

Right Out: 126.234 $\pm$ 0.495 χ^2 /NDF: 4460.0/36

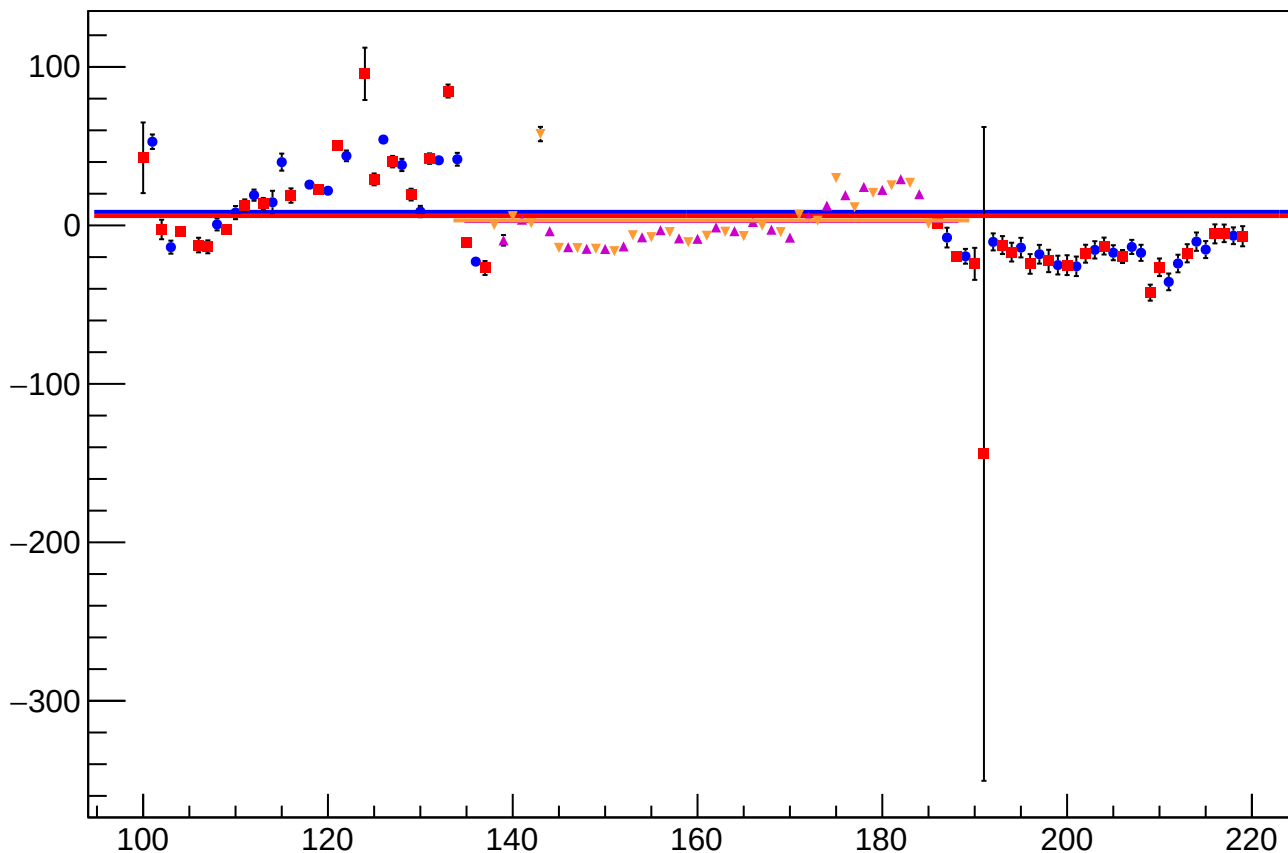
Left In: 52.797 $\pm$ 0.393 χ^2 /NDF: 978.1/22

+ sign 77.937 $\pm$ 0.316 χ^2 /NDF: 20121.1/56

All: 79.596 $\pm$ 0.221 χ^2 /NDF: 39127.4/116

- sign 81.163 $\pm$ 0.308 χ^2 /NDF: 18952.9/59

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 8.542 ± 0.725 χ^2/NDF : 1400.8/31

Left Out: 3.155 ± 0.340 χ^2/NDF : 2012.4/24

Right Out: 5.901 ± 0.696 χ^2/NDF : 1479.7/36

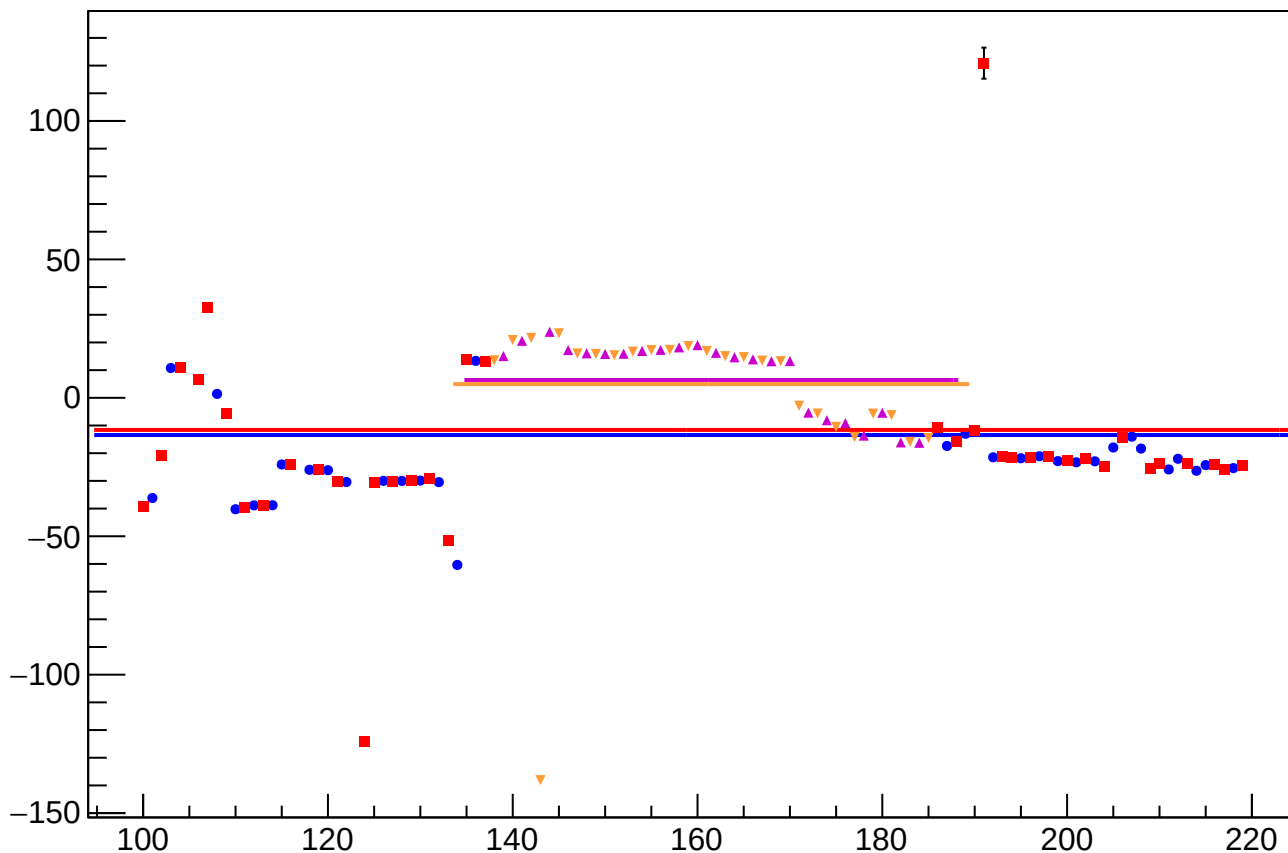
Left In: 2.722 ± 0.347 χ^2/NDF : 1735.2/22

+ sign 4.126 ± 0.308 χ^2/NDF : 3458.5/56

All: 3.743 ± 0.219 χ^2/NDF : 6693.1/116

- sign 3.353 ± 0.310 χ^2/NDF : 3231.5/59

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -13.440+/-0.035 χ^2/NDF : 305447.4/31

Left Out: 4.946+/-0.015 $\chi^2/\text{NDF}: 1136506.7/24$

Right Out: -11.593 ± 0.034 χ^2/NDF : 287041.7/36

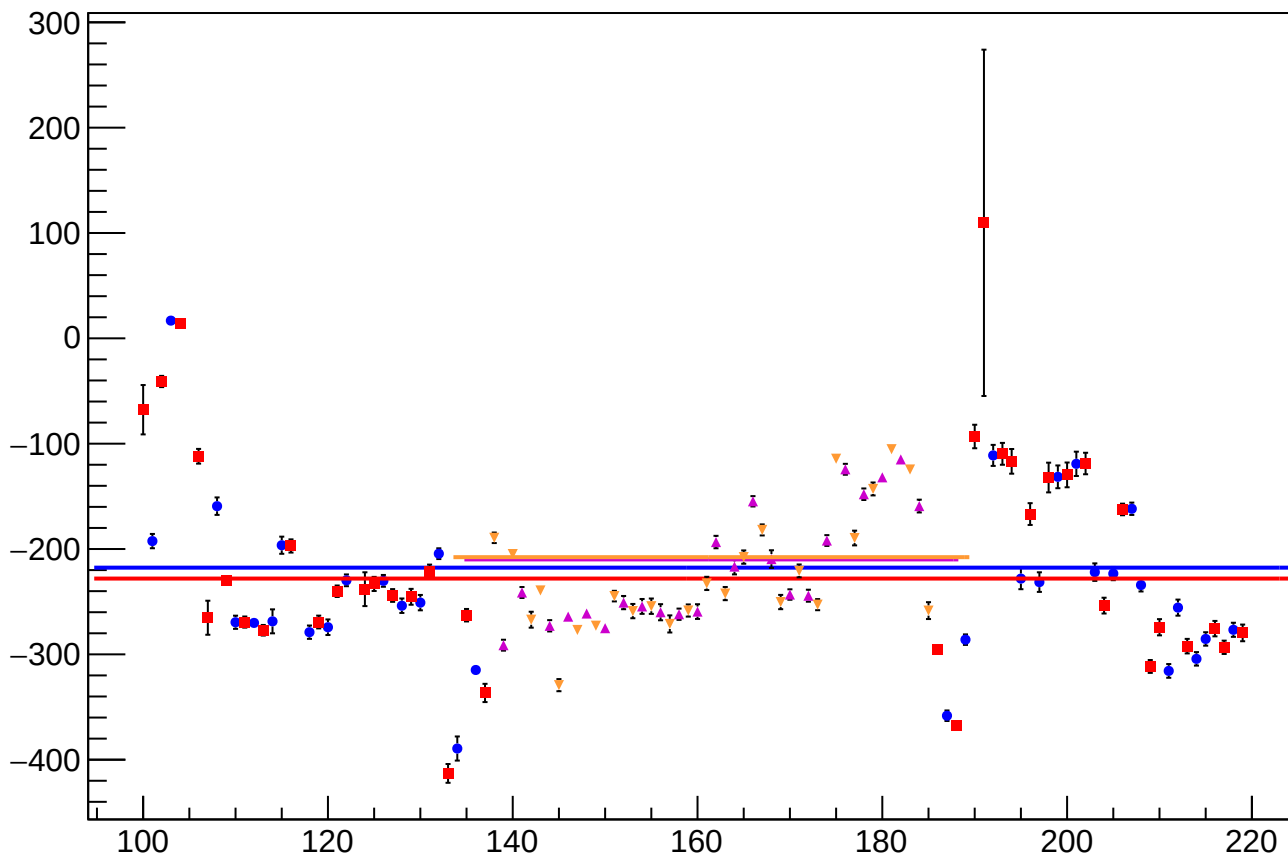
Left In: 6.444+/-0.015 χ^2/NDF :729692.1/22

+ sign 1.971+/-0.014 χ^2/NDF : 1678136.2/56

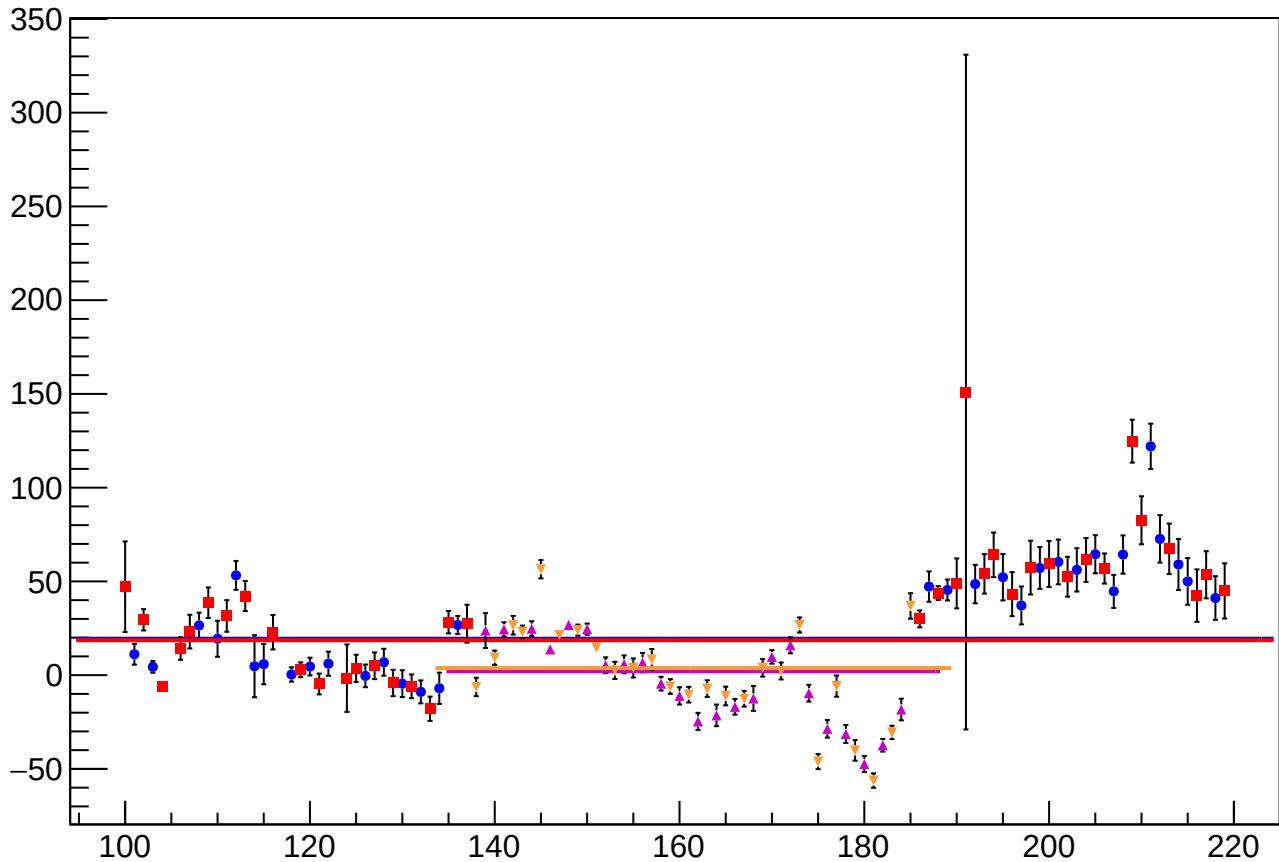
All: 2.714 ± 0.010 χ^2/NDF : 2929012.3/116

- sign 3.465 $\pm$ 0.014 χ^2 /NDF: 1245157.9/59

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 19.408 ± 1.247 $\chi^2/\text{NDF}: 385.4/31$

Left Out: 3.770 ± 0.787 $\chi^2/\text{NDF}: 972.1/24$

Right Out: 18.668 ± 1.137 $\chi^2/\text{NDF}: 522.1/36$

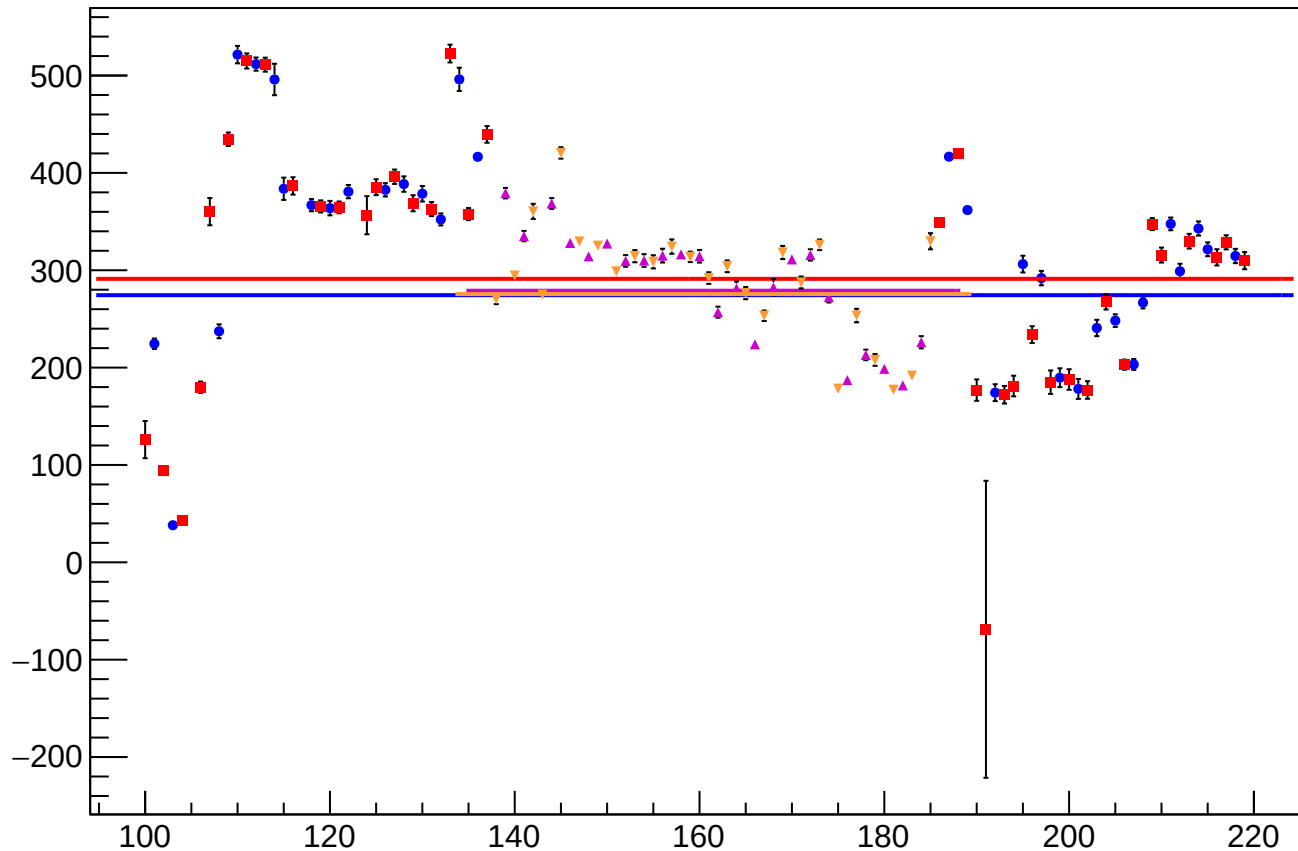
Left In: 2.079 ± 0.820 $\chi^2/\text{NDF}: 770.2/22$

+ sign 8.229 ± 0.666 $\chi^2/\text{NDF}: 1470.0/56$

All: 7.993 ± 0.470 $\chi^2/\text{NDF}: 2902.6/116$

- sign 7.757 ± 0.665 $\chi^2/\text{NDF}: 1432.4/59$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 274.392 ± 1.070 χ^2/NDF : 18079.1/31

Left Out: 275.536 ± 1.062 χ^2/NDF : 3323.1/24

Right Out: 291.193 ± 0.968 χ^2/NDF : 22330.8/36

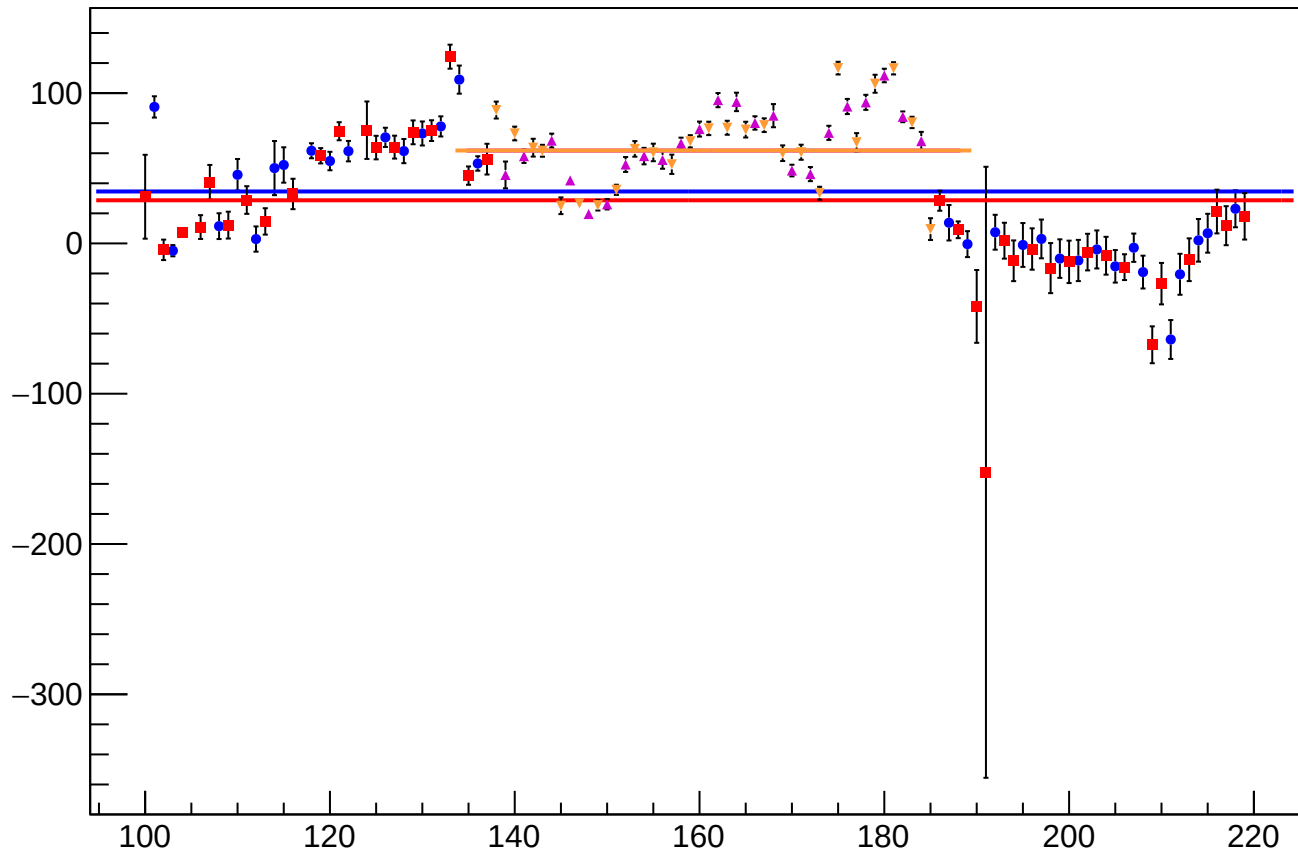
Left In: 278.989 ± 1.089 χ^2/NDF : 3114.7/22

+ sign 274.968 ± 0.754 χ^2/NDF : 21402.8/56

All: 280.612 ± 0.522 χ^2/NDF : 47026.1/116

- sign 285.807 ± 0.723 χ^2/NDF : 25515.6/59

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 34.561 ± 1.454 χ^2/NDF : 658.1/31

Left Out: 61.818 ± 0.907 χ^2/NDF : 959.5/24

Right Out: 28.693 ± 1.369 χ^2/NDF : 647.2/36

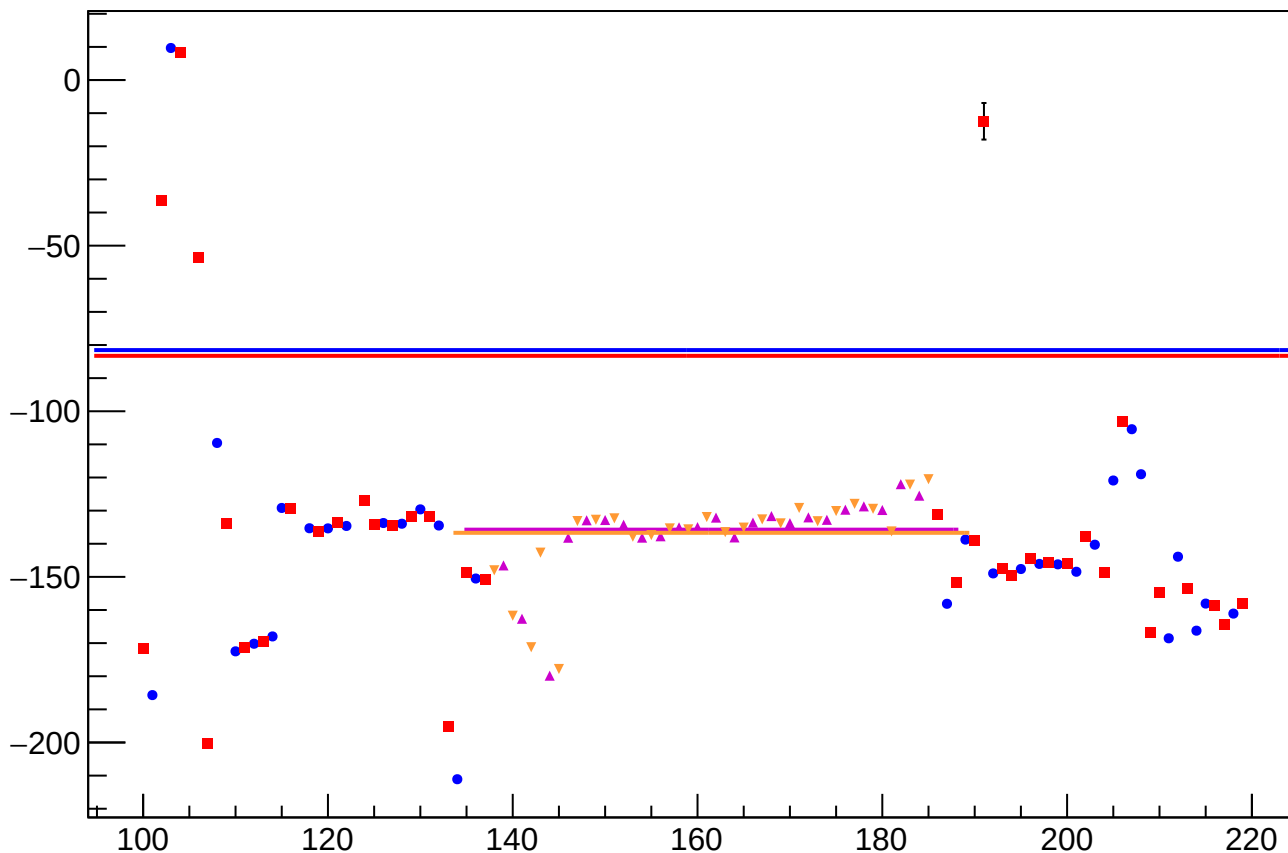
Left In: 61.763 ± 0.939 χ^2/NDF : 736.0/22

+ sign 54.176 ± 0.770 χ^2/NDF : 1870.4/56

All: 52.688 ± 0.546 χ^2/NDF : 3658.3/116

- sign 51.183 ± 0.774 χ^2/NDF : 1780.4/59

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -81.532 ± 0.062 $\chi^2/\text{NDF}: 1596259.5/31$

Left Out: -136.695 ± 0.042 $\chi^2/\text{NDF}: 79006.9/24$

Right Out: -83.262 ± 0.062 $\chi^2/\text{NDF}: 1289170.1/36$

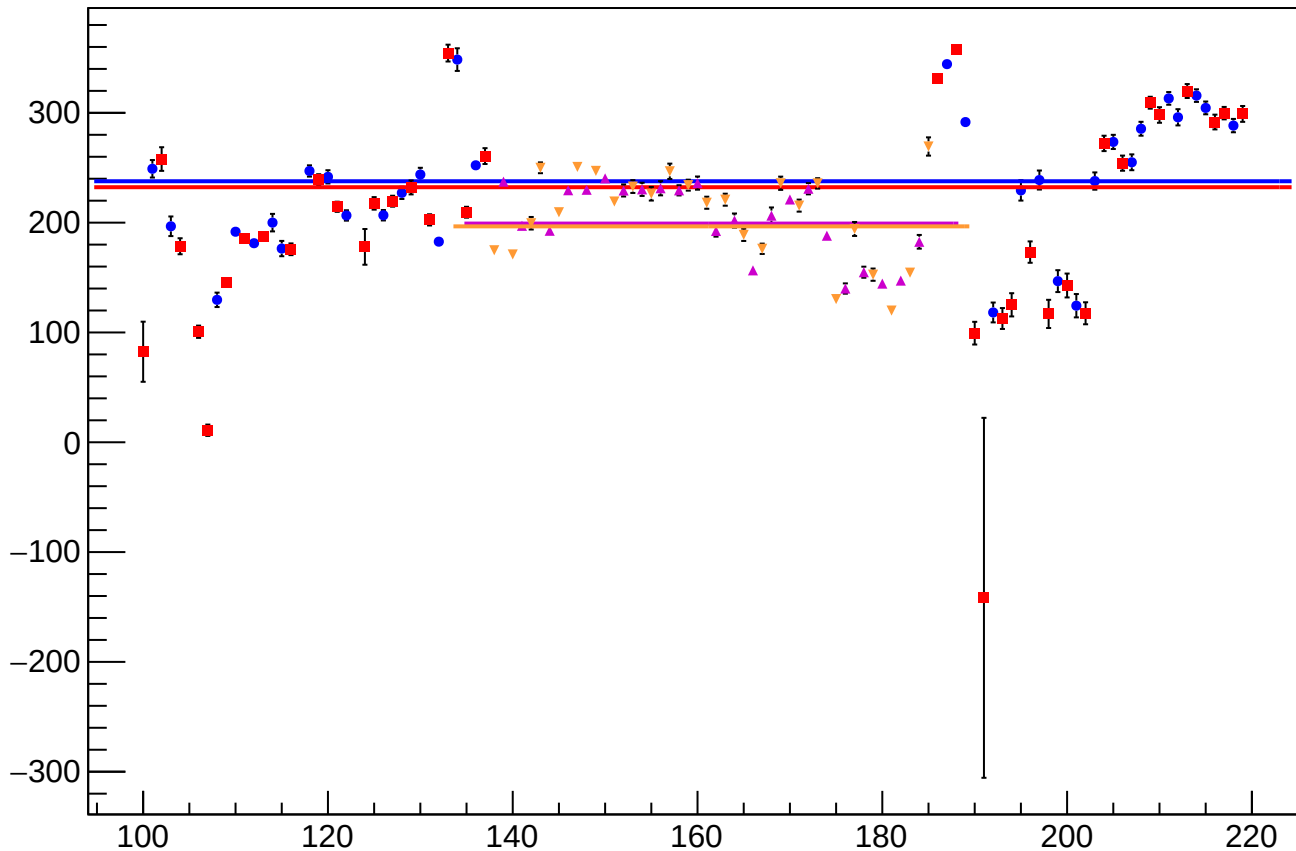
Left In: -135.745 ± 0.043 $\chi^2/\text{NDF}: 63681.9/22$

+ sign -119.090 ± 0.035 $\chi^2/\text{NDF}: 2219398.4/56$

All: -118.943 ± 0.025 $\chi^2/\text{NDF}: 4057848.3/11$

- sign -118.794 ± 0.035 $\chi^2/\text{NDF}: 1838414.4/59$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 237.700 $\pm$ 1.016 χ^2 /NDF: 2985.1/31

Left Out: 196.615 $\pm$ 0.946 χ^2 /NDF: 2075.5/24

Right Out: 232.271 $\pm$ 0.914 χ^2 /NDF: 9058.8/36

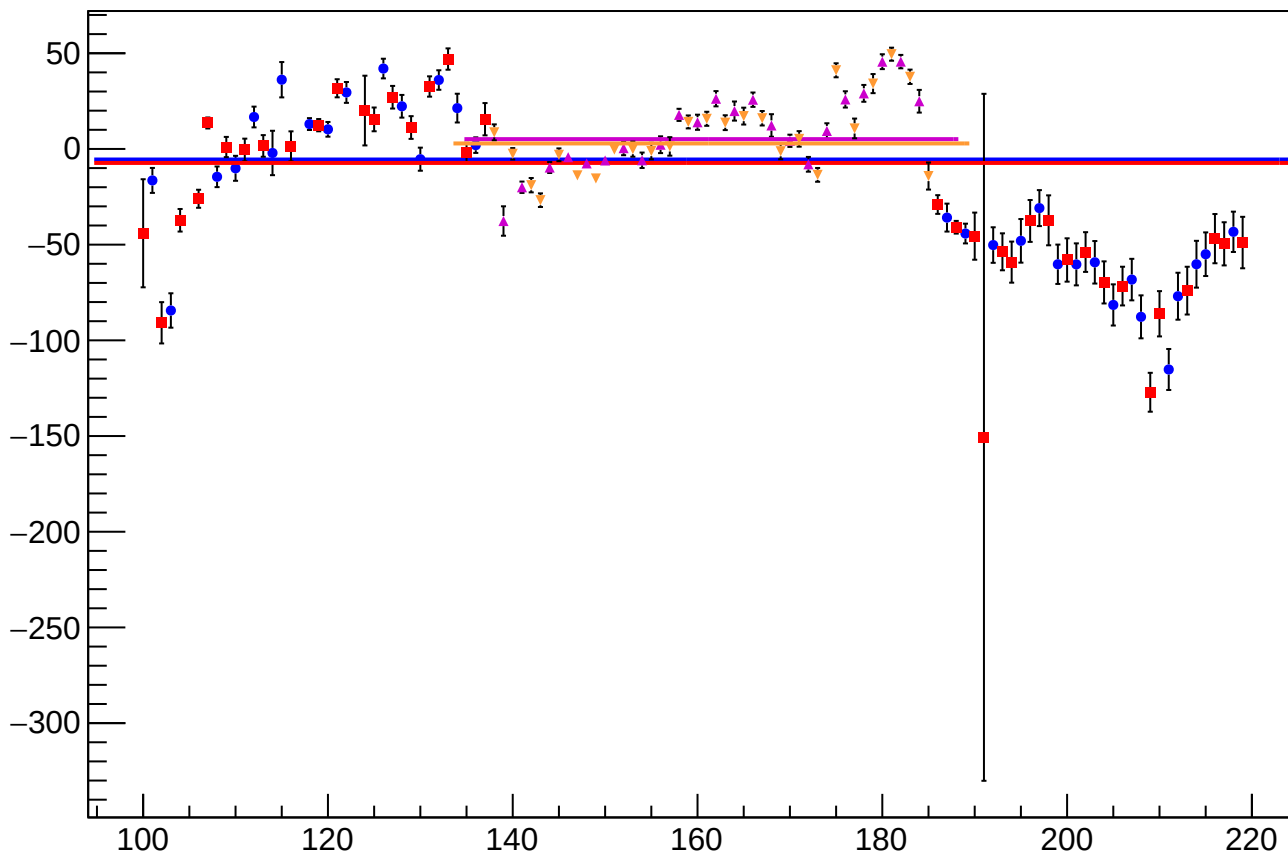
Left In: 199.153 $\pm$ 0.973 χ^2 /NDF: 1294.6/22

+ sign 215.691 $\pm$ 0.693 χ^2 /NDF: 5935.8/56

All: 216.237 $\pm$ 0.480 χ^2 /NDF: 16905.9/116

- sign 216.742 $\pm$ 0.666 χ^2 /NDF: 10968.9/59

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.522 ± 1.163 χ^2/NDF : 926.7/31

Left Out: 2.870 ± 0.693 χ^2/NDF : 752.8/24

Right Out: -7.306 ± 1.044 χ^2/NDF : 1038.6/36

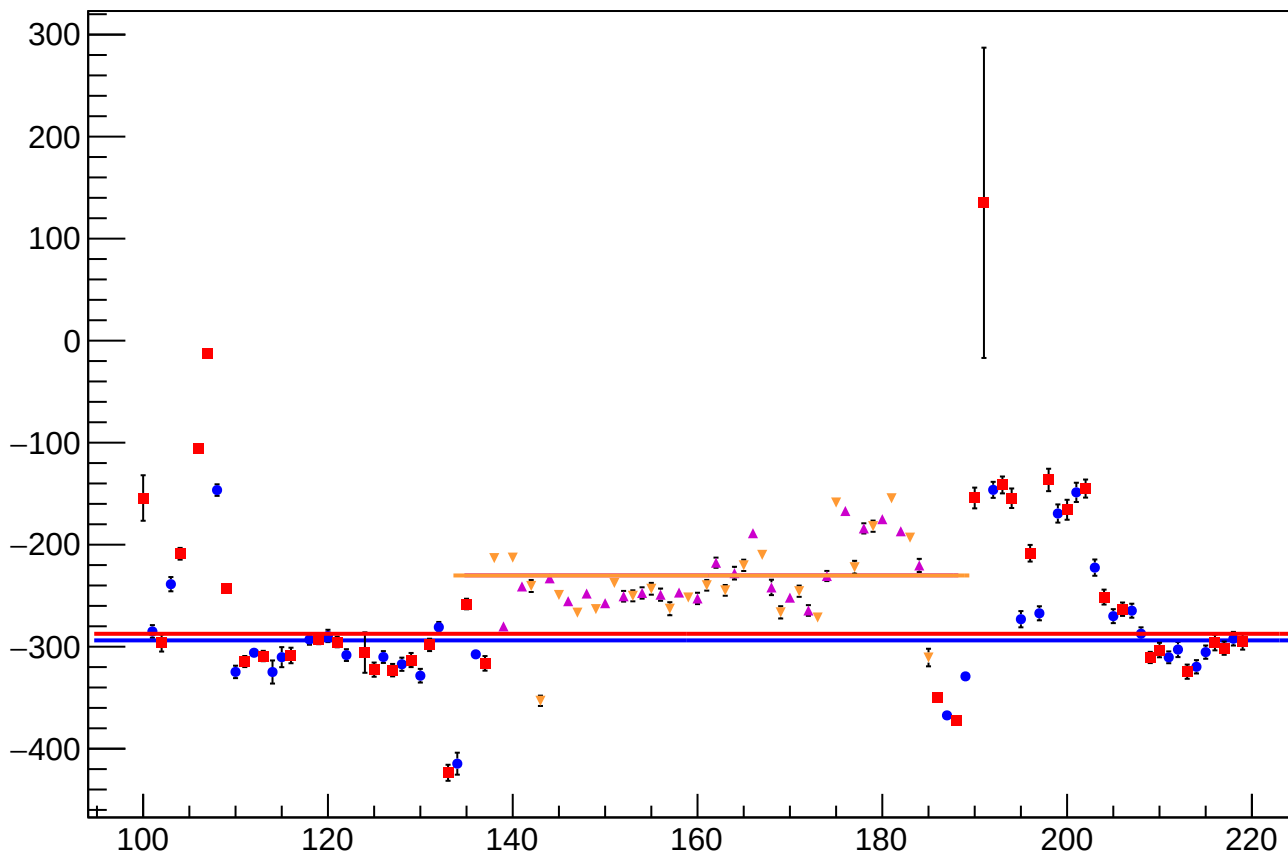
Left In: 5.126 ± 0.718 χ^2/NDF : 628.6/22

+ sign 0.670 ± 0.595 χ^2/NDF : 1717.9/56

All: 0.904 ± 0.420 χ^2/NDF : 3481.7/116

- sign 1.134 ± 0.592 χ^2/NDF : 1763.5/59

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -293.818 ± 1.063 χ^2/NDF : 2410.7/31

Left Out: -230.182 ± 0.939 χ^2/NDF : 2181.9/24

Right Out: -287.355 ± 0.929 χ^2/NDF : 9981.9/36

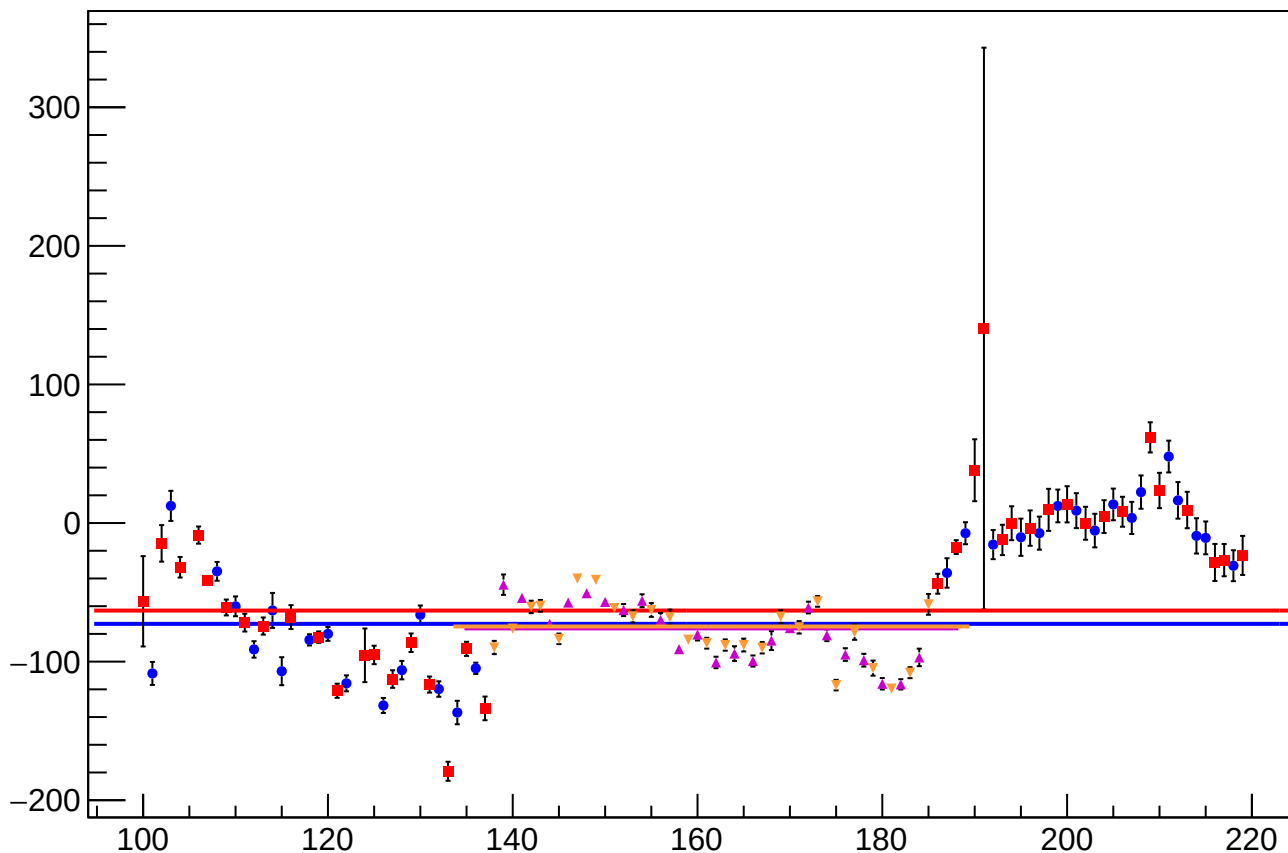
Left In: -230.047 ± 0.961 χ^2/NDF : 1094.0/22

+ sign -258.065 ± 0.704 χ^2/NDF : 6605.0/56

All: -258.908 ± 0.484 χ^2/NDF : 19521.9/116

- sign -259.668 ± 0.668 χ^2/NDF : 12914.2/59

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -72.741 ± 1.351 $\chi^2/\text{NDF}: 1207.5/31$

Left Out: -74.644 ± 0.801 $\chi^2/\text{NDF}: 831.0/24$

Right Out: -63.150 ± 1.243 $\chi^2/\text{NDF}: 1442.7/36$

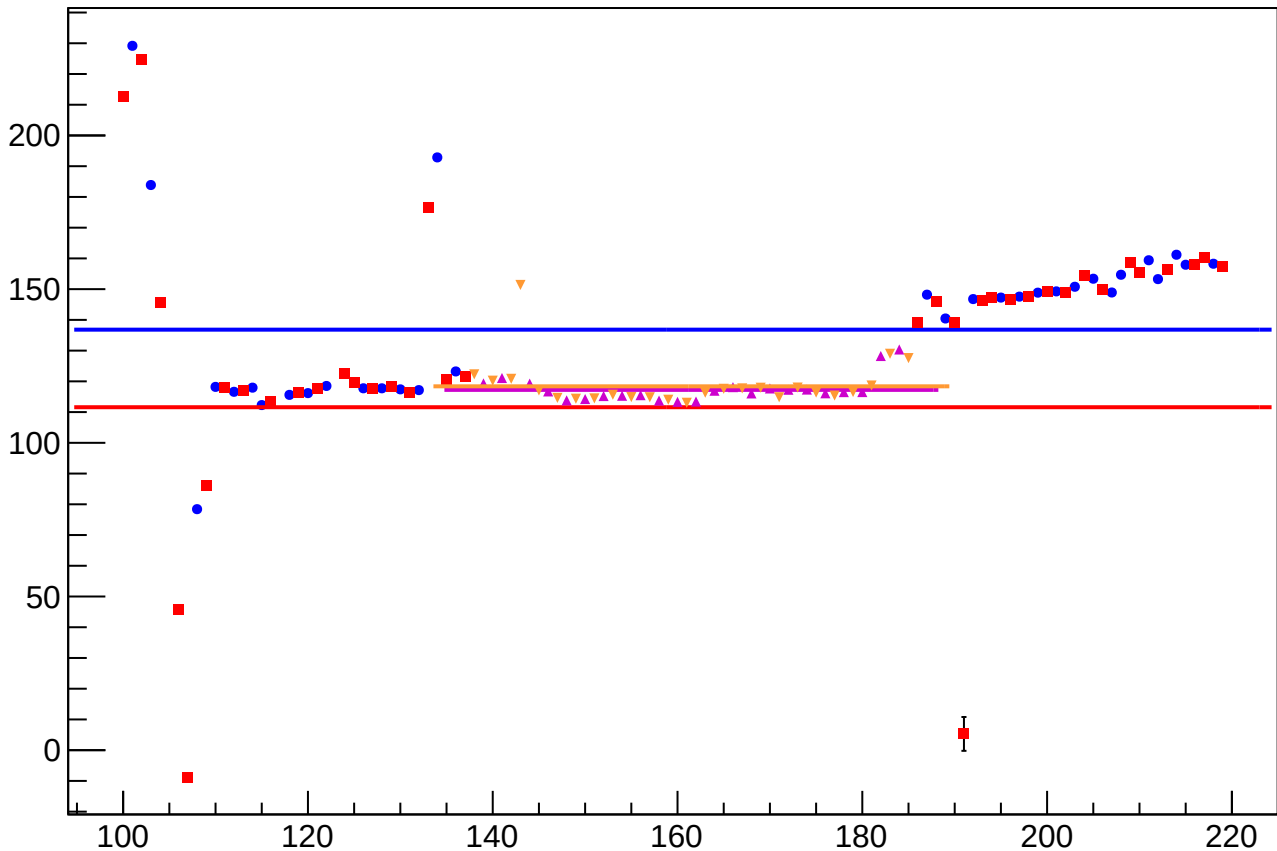
Left In: -76.025 ± 0.824 $\chi^2/\text{NDF}: 646.0/22$

+ sign -74.149 ± 0.689 $\chi^2/\text{NDF}: 2040.0/56$

All: -73.119 ± 0.486 $\chi^2/\text{NDF}: 4207.7/116$

- sign -72.094 ± 0.687 $\chi^2/\text{NDF}: 2163.3/59$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 136.820 $\pm$ 0.070 χ^2 /NDF: 207005.1/31

Left Out: 118.382 $\pm$ 0.037 χ^2 /NDF:34938.1/24

Right Out: 111.583 $\pm$ 0.064 χ^2 /NDF: 793518.2/36

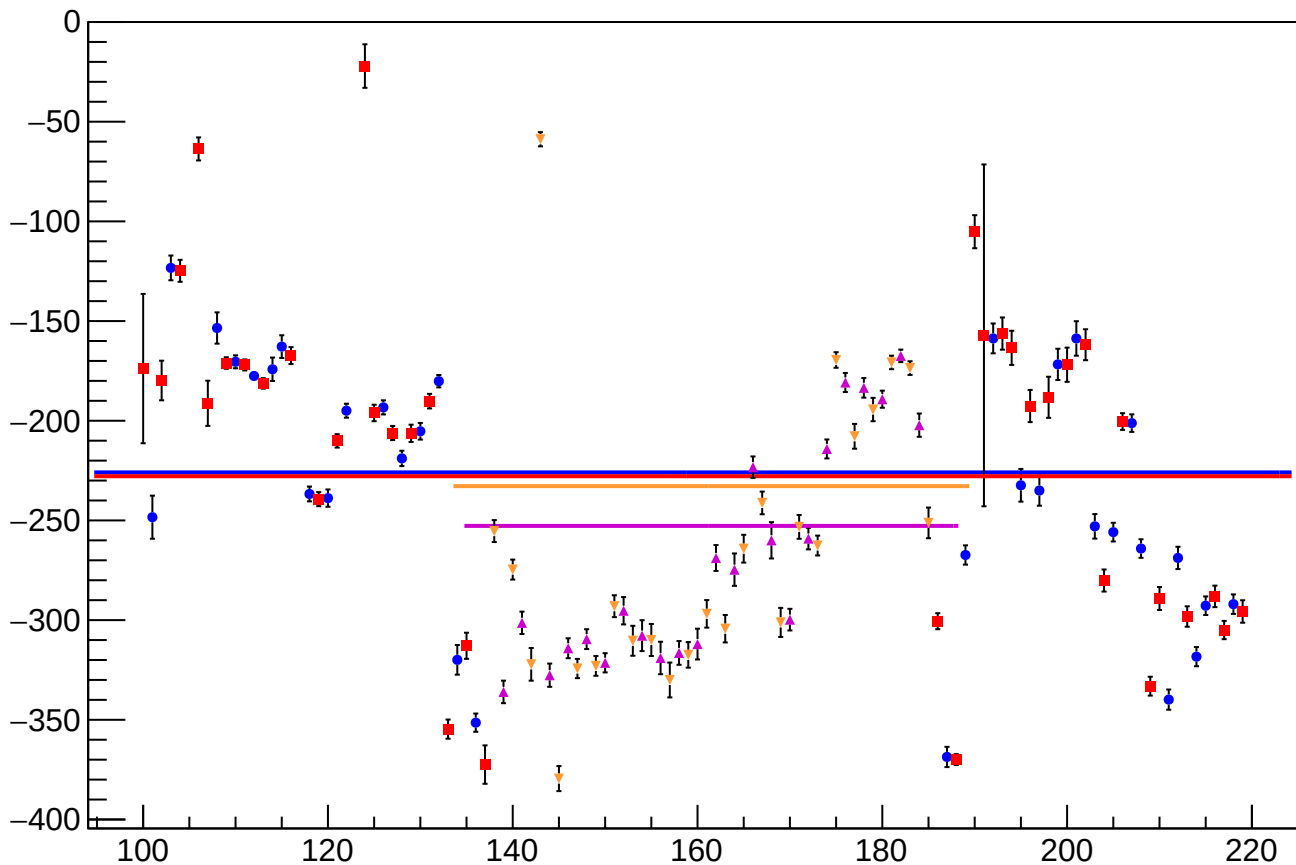
Left In: 117.225 $\pm$ 0.038 χ^2 /NDF:10227.9/22

+ sign 122.453 $\pm$ 0.033 χ^2 /NDF: 295958.3/56

All: 119.056 $\pm$ 0.023 χ^2 /NDF: 1126498.9/116

- sign 115.767 $\pm$ 0.032 χ^2 /NDF: 809565.6/59

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -225.913 ± 0.820 χ^2/NDF : 5119.4/31

Left Out: -232.800 ± 1.072 χ^2/NDF : 5764.0/24

Right Out: -227.831 ± 0.775 χ^2/NDF : 9234.4/36

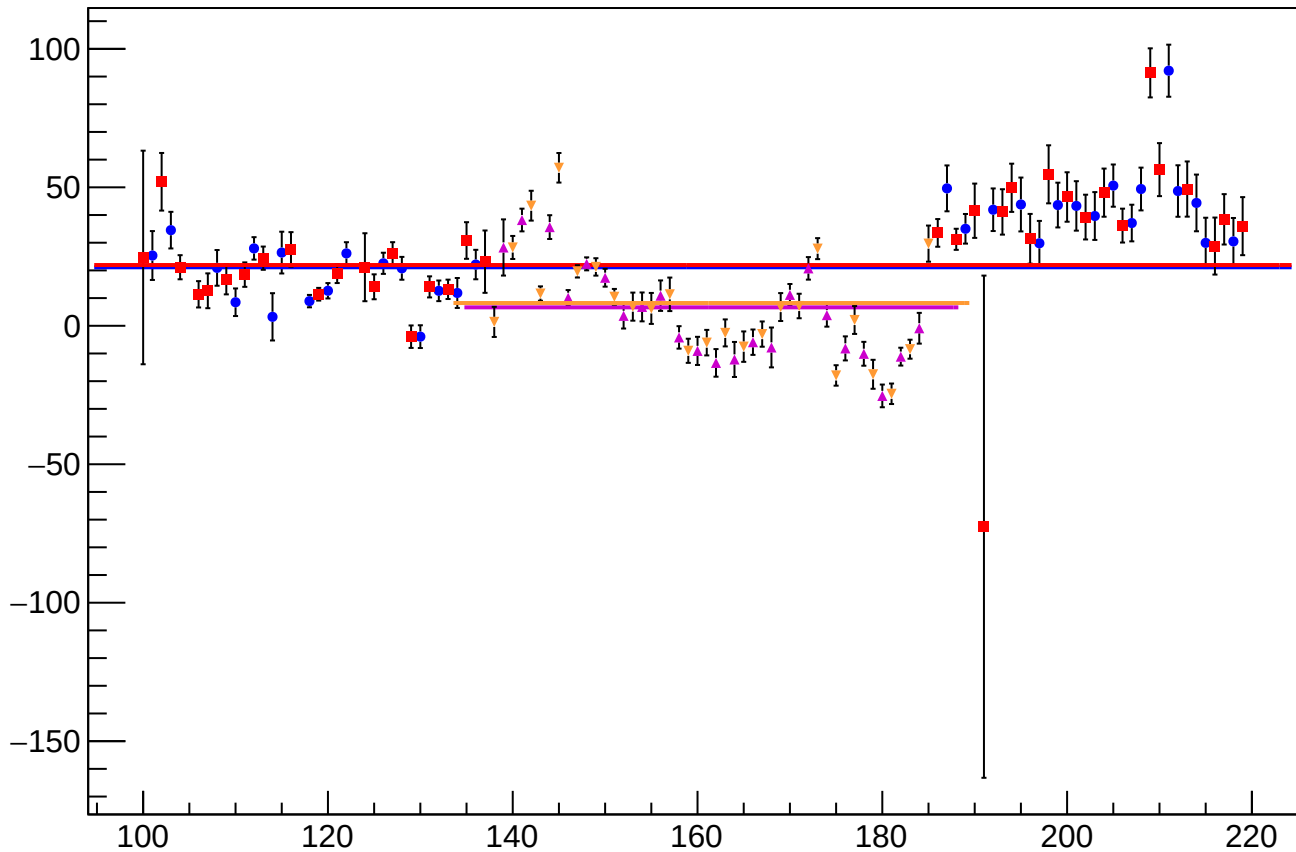
Left In: -252.738 ± 1.131 χ^2/NDF : 2913.9/22

+ sign -228.456 ± 0.651 χ^2/NDF : 10909.4/56

All: -232.193 ± 0.456 χ^2/NDF : 23452.4/116

- sign -235.792 ± 0.639 χ^2/NDF : 12478.4/59

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 21.127 ± 0.929 $\chi^2/\text{NDF}: 262.8/31$

Left Out: 8.222 ± 0.803 $\chi^2/\text{NDF}: 457.9/24$

Right Out: 21.938 ± 0.901 $\chi^2/\text{NDF}: 254.2/36$

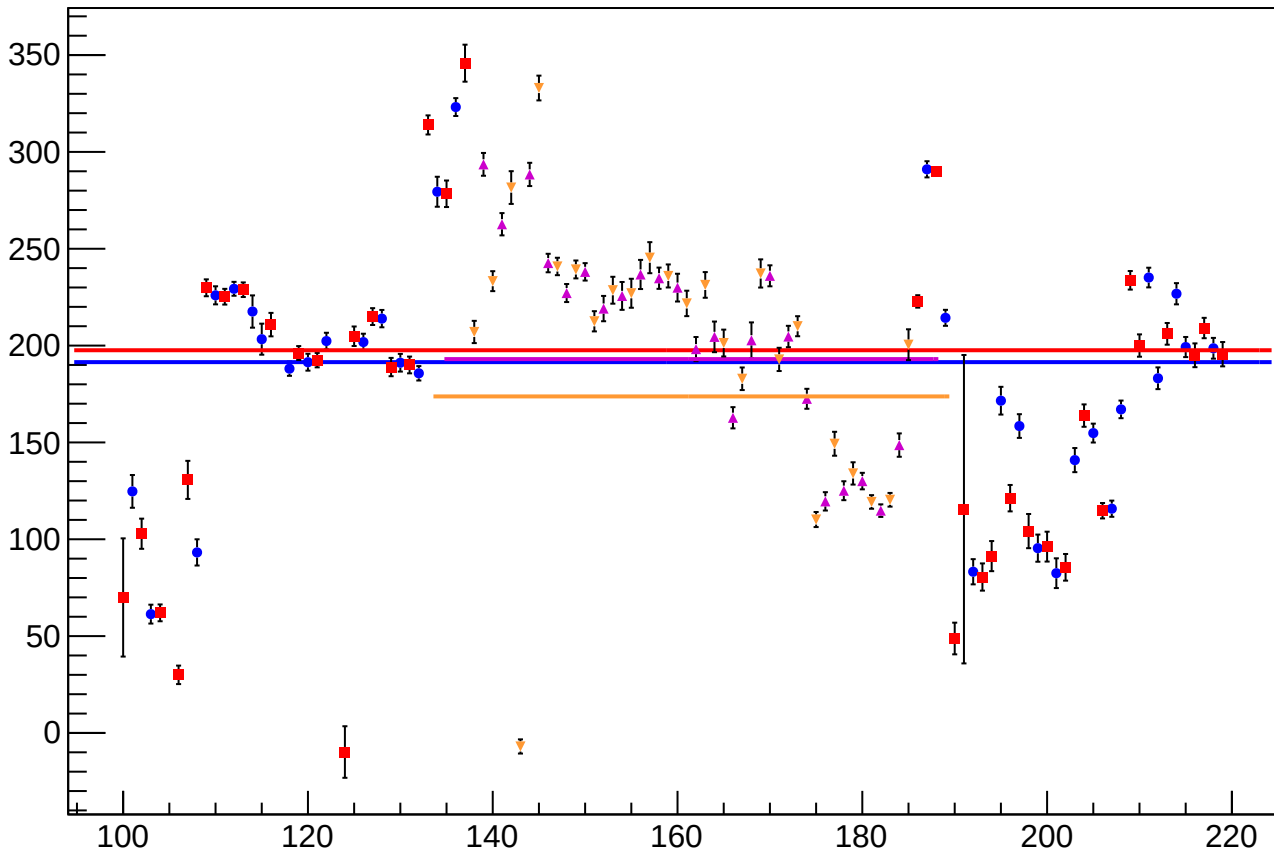
Left In: 6.657 ± 0.858 $\chi^2/\text{NDF}: 354.8/22$

+ sign 13.743 ± 0.607 $\chi^2/\text{NDF}: 831.3/56$

All: 13.833 ± 0.434 $\chi^2/\text{NDF}: 1591.2/116$

- sign 13.926 ± 0.622 $\chi^2/\text{NDF}: 759.9/59$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 191.460 $\pm$ 0.887 χ^2 /NDF: 4052.0/31

Left Out: 173.752 $\pm$ 1.069 χ^2 /NDF: 5260.7/24

Right Out: 197.596 $\pm$ 0.825 χ^2 /NDF: 7617.1/36

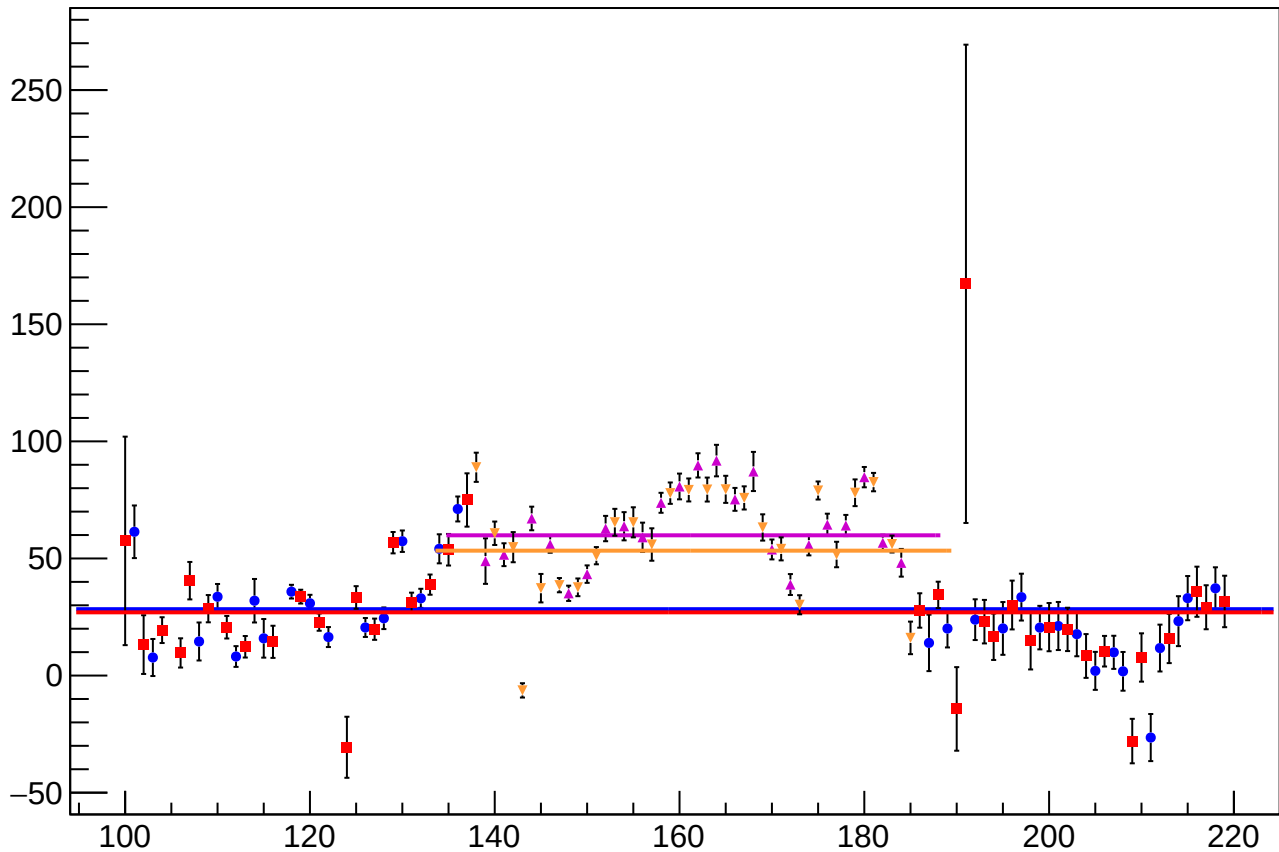
Left In: 193.026 $\pm$ 1.122 χ^2 /NDF: 2512.0/22

+ sign 184.238 $\pm$ 0.682 χ^2 /NDF: 9475.4/56

All: 190.271 $\pm$ 0.476 χ^2 /NDF: 19767.5/116

- sign 195.992 $\pm$ 0.665 χ^2 /NDF: 10139.9/59

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 28.344 ± 1.076 χ^2/NDF : 252.6/31

Left Out: 53.331 ± 0.922 χ^2/NDF : 778.9/24

Right Out: 26.996 ± 1.052 χ^2/NDF : 206.3/36

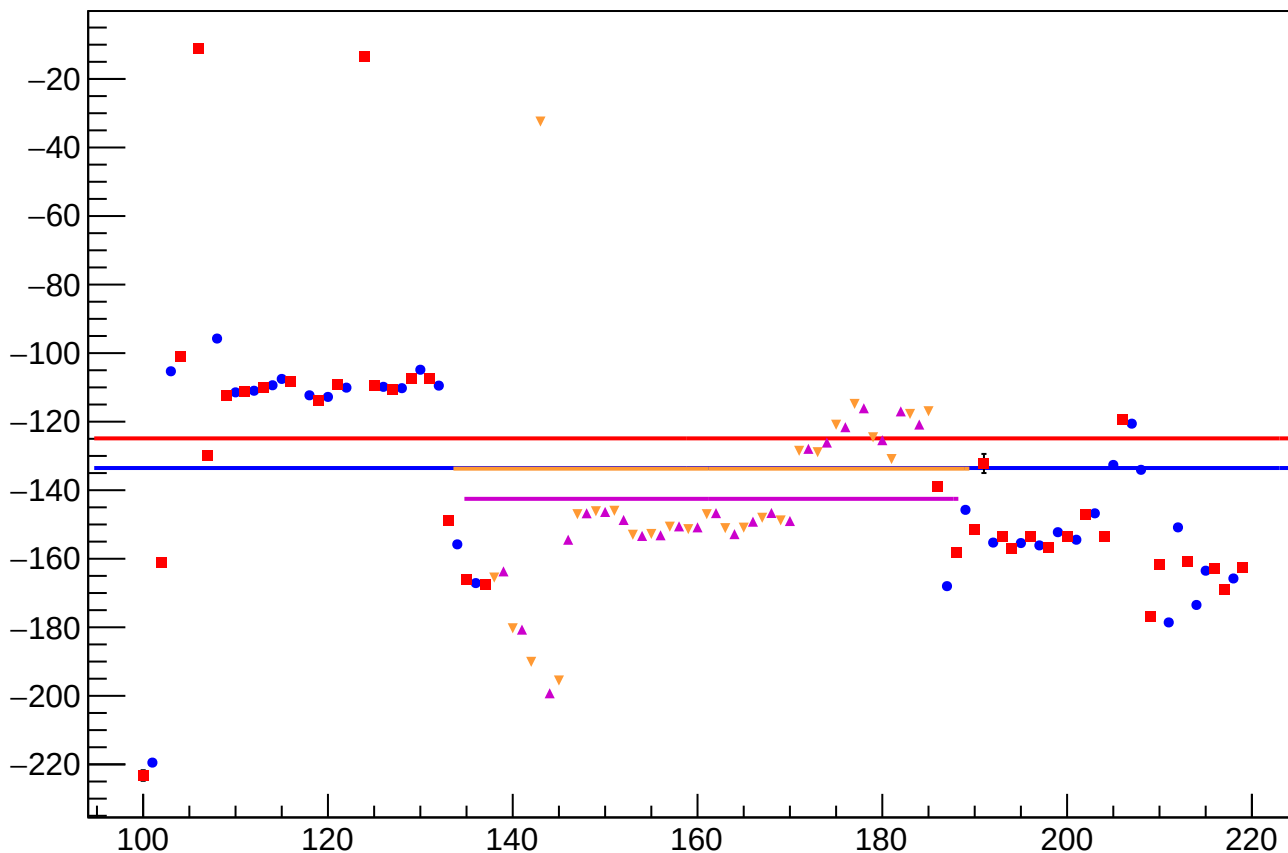
Left In: 59.887 ± 0.977 χ^2/NDF : 251.2/22

+ sign 42.758 ± 0.700 χ^2/NDF : 1342.5/56

All: 43.688 ± 0.500 χ^2/NDF : 2328.3/116

- sign 44.661 ± 0.716 χ^2/NDF : 982.3/59

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -133.527+/-0.059 χ^2/NDF : 199350.0/31

Left Out: -133.709+/-0.043 χ^2/NDF : 675925.6/24

Right Out: -124.876+/-0.057 χ^2/NDF : 536403.3/36

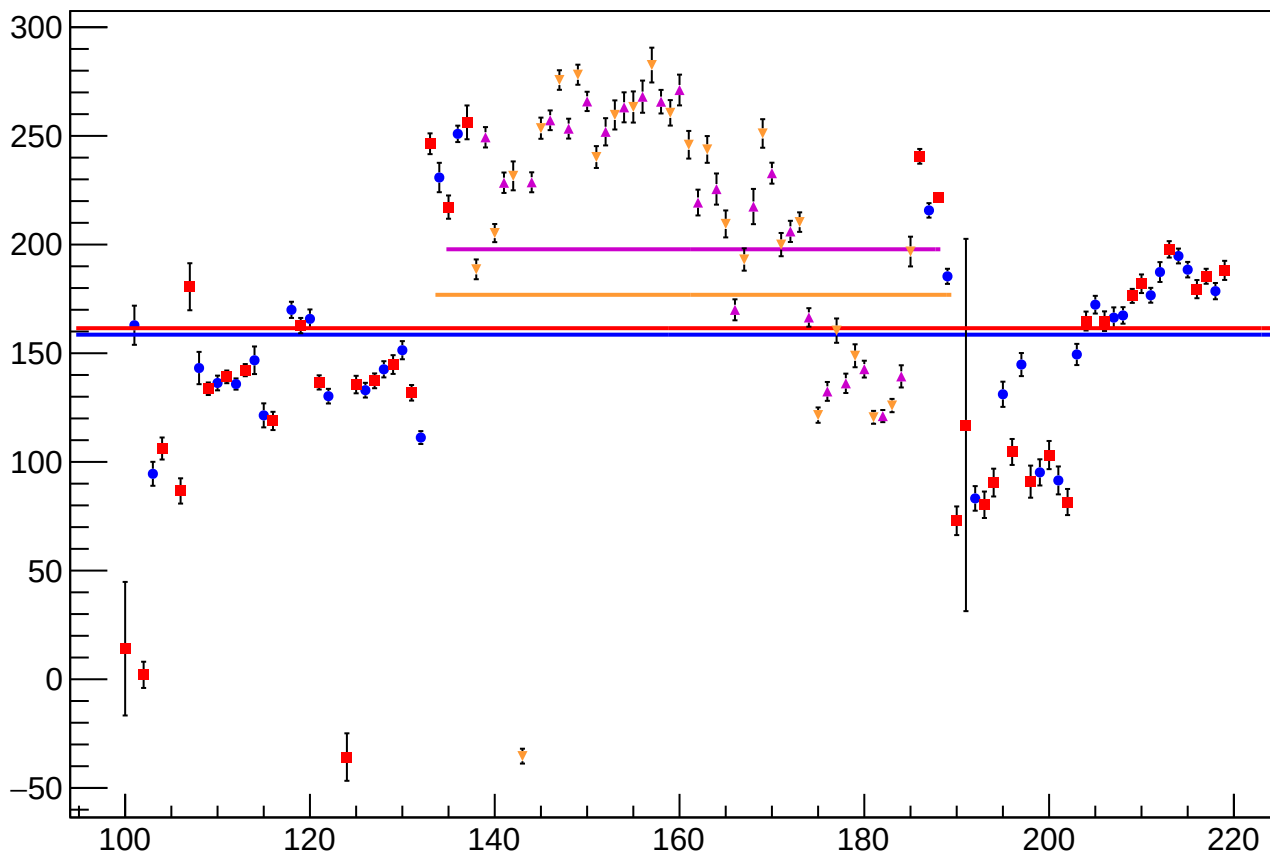
Left In: -142.518+/-0.044 χ^2/NDF : 178481.1/22

+ sign -133.646+/-0.035 χ^2/NDF : 875281.8/56

All: -134.726+/-0.025 χ^2/NDF : 1651982.3/11

- sign -135.824+/-0.035 χ^2/NDF : 774745.6/59

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 158.545 $\pm$ 0.725 χ^2 /NDF: 2519.0/31

Left Out: 176.884 $\pm$ 0.958 χ^2 /NDF: 7424.8/24

Right Out: 161.524 $\pm$ 0.678 χ^2 /NDF: 5293.5/36

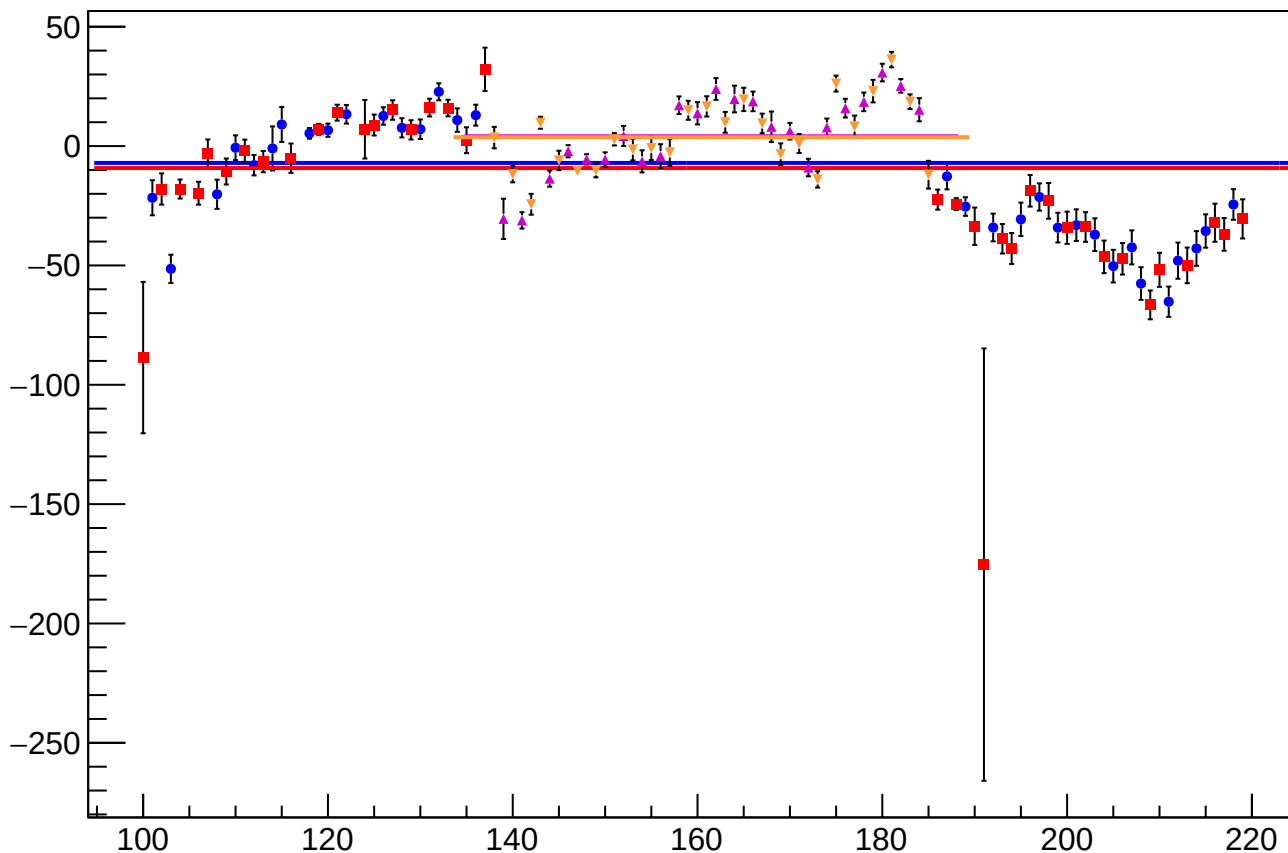
Left In: 197.829 $\pm$ 1.006 χ^2 /NDF: 2968.0/22

+ sign 165.233 $\pm$ 0.578 χ^2 /NDF: 10176.7/56

All: 169.154 $\pm$ 0.403 χ^2 /NDF: 19423.1/116

- sign 172.861 $\pm$ 0.562 χ^2 /NDF: 9156.9/59

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.053 ± 0.852 χ^2/NDF : 709.1/31

Left Out: 3.708 ± 0.723 χ^2/NDF : 400.9/24

Right Out: -9.211 ± 0.814 χ^2/NDF : 708.8/36

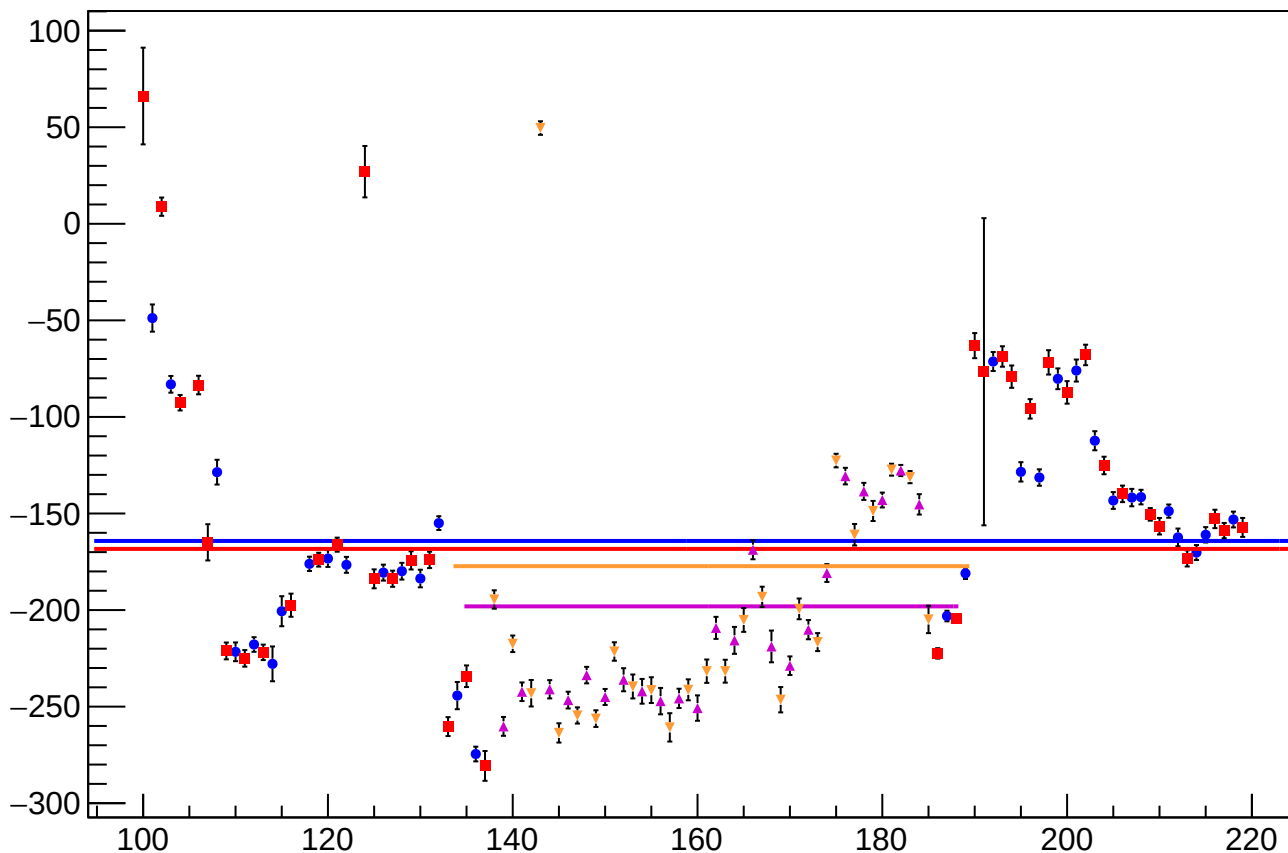
Left In: 4.102 ± 0.769 χ^2/NDF : 398.9/22

+ sign -0.802 ± 0.551 χ^2/NDF : 1202.8/56

All: -1.478 ± 0.393 χ^2/NDF : 2454.9/116

- sign -2.173 ± 0.559 χ^2/NDF : 1249.1/59

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -164.213 ± 0.758 χ^2/NDF : 3516.2/31

Left Out: -177.283 ± 0.956 χ^2/NDF : 7040.0/24

Right Out: -168.330 ± 0.688 χ^2/NDF : 6716.6/36

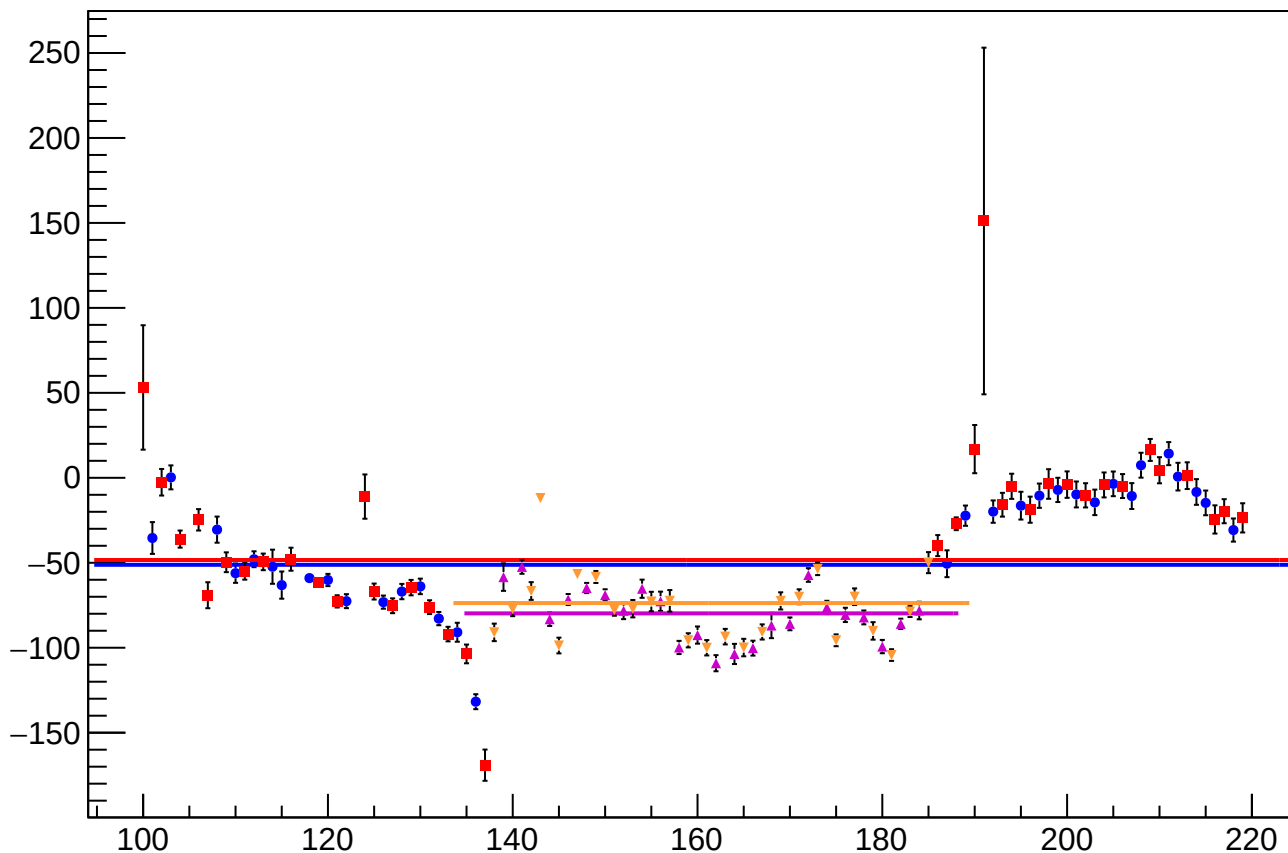
Left In: -198.088 ± 1.000 χ^2/NDF : 2386.2/22

+ sign -169.260 ± 0.594 χ^2/NDF : 10670.8/56

All: -173.779 ± 0.410 χ^2/NDF : 20485.0/116

- sign -177.896 ± 0.567 χ^2/NDF : 9703.6/59

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -51.189 ± 0.989 χ^2/NDF : 1133.9/31

Left Out: -73.706 ± 0.829 χ^2/NDF : 839.6/24

Right Out: -48.364 ± 0.960 χ^2/NDF : 1147.0/36

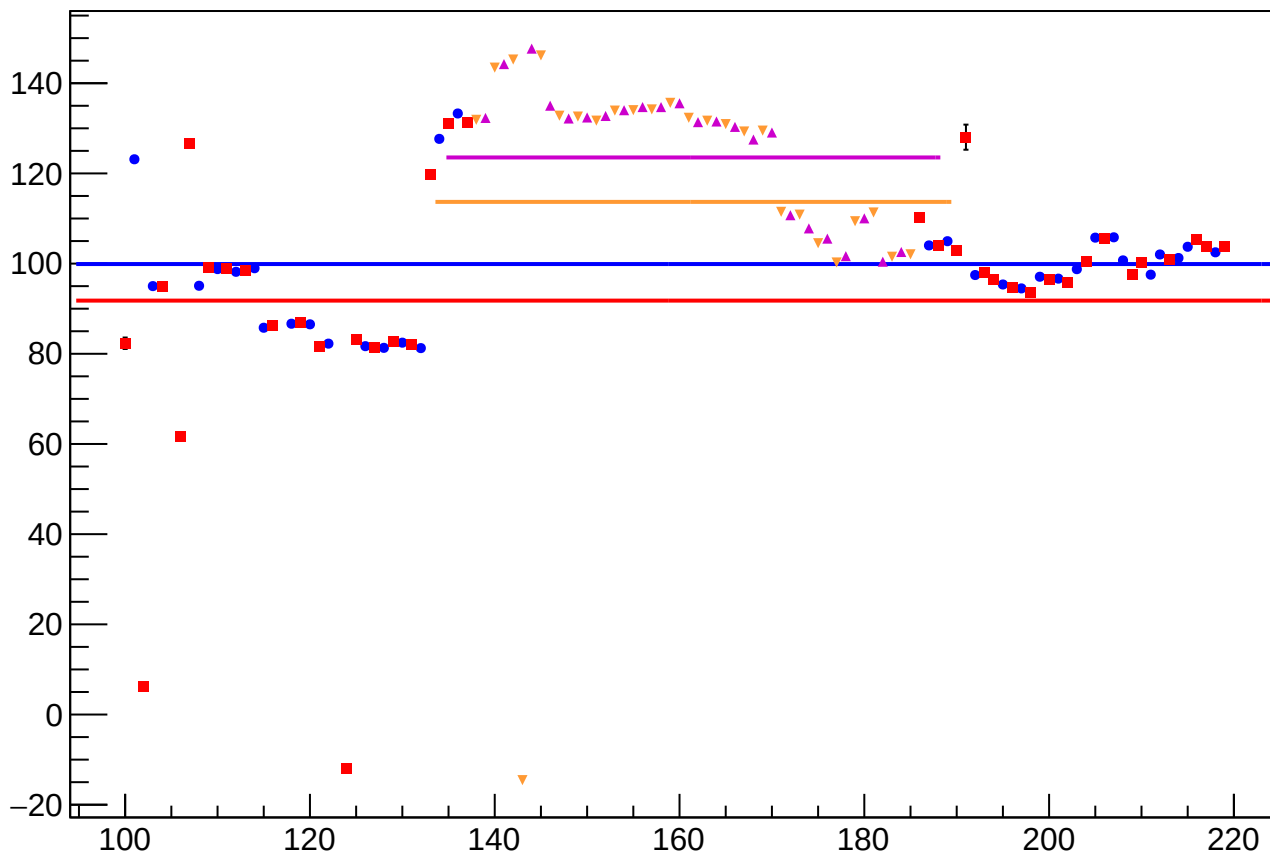
Left In: -79.777 ± 0.874 χ^2/NDF : 277.1/22

+ sign -64.412 ± 0.635 χ^2/NDF : 2278.1/56

All: -64.965 ± 0.453 χ^2/NDF : 4289.3/116

- sign -65.537 ± 0.646 χ^2/NDF : 2009.6/59

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.900 +/- 0.051 χ^2/NDF : 70298.4/31

Left Out: 113.687 +/- 0.038 χ^2/NDF : 963156.9/24

Right Out: 91.794 +/- 0.048 χ^2/NDF : 291723.9/36

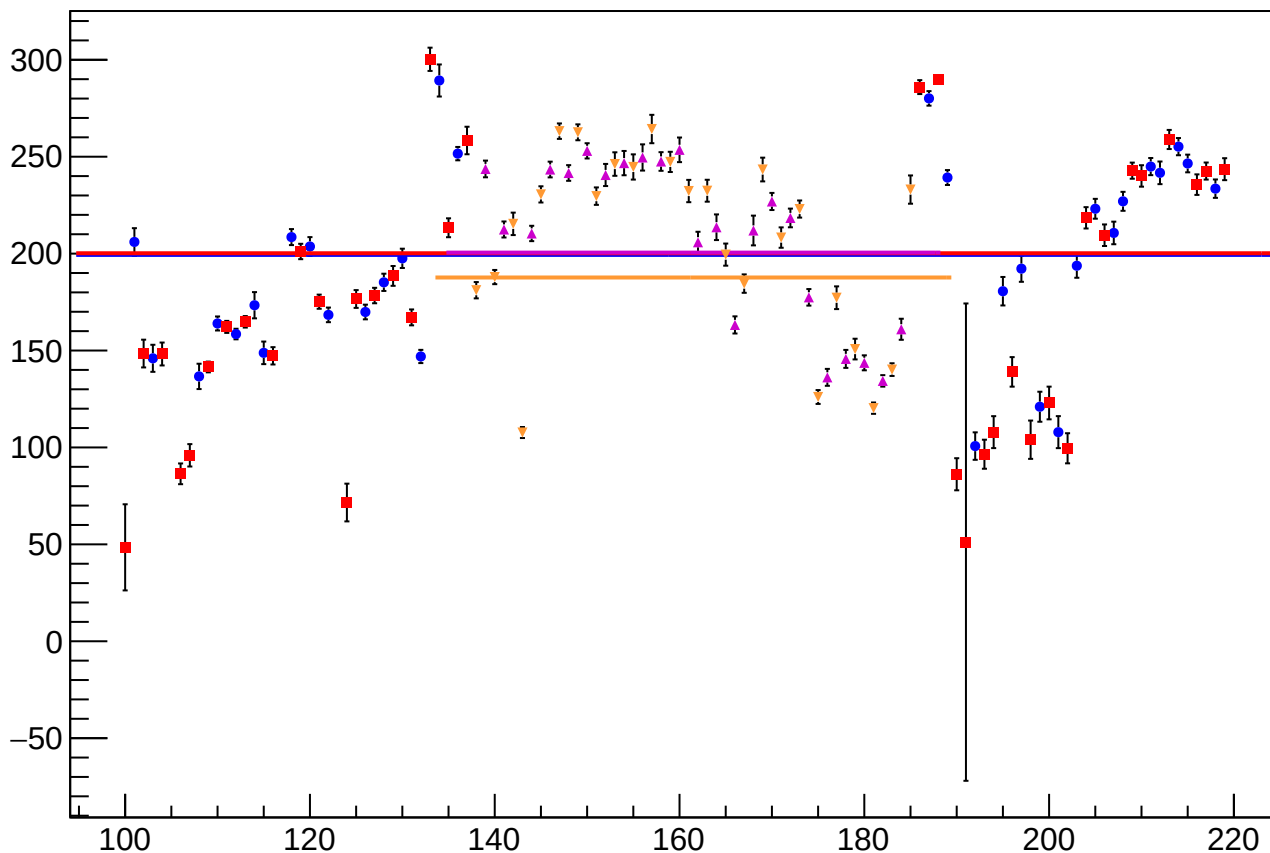
Left In: 123.538 +/- 0.040 χ^2/NDF : 134613.3/22

+ sign 108.712 +/- 0.031 χ^2/NDF : 1080070.4/56

All: 109.765 +/- 0.022 χ^2/NDF : 1766029.4/116

- sign 110.818 +/- 0.031 χ^2/NDF : 683600.3/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 199.347 $\pm$ 0.836 χ^2 /NDF: 2820.0/31

Left Out: 187.681 $\pm$ 0.898 χ^2 /NDF: 3528.3/24

Right Out: 200.189 $\pm$ 0.764 χ^2 /NDF: 6581.8/36

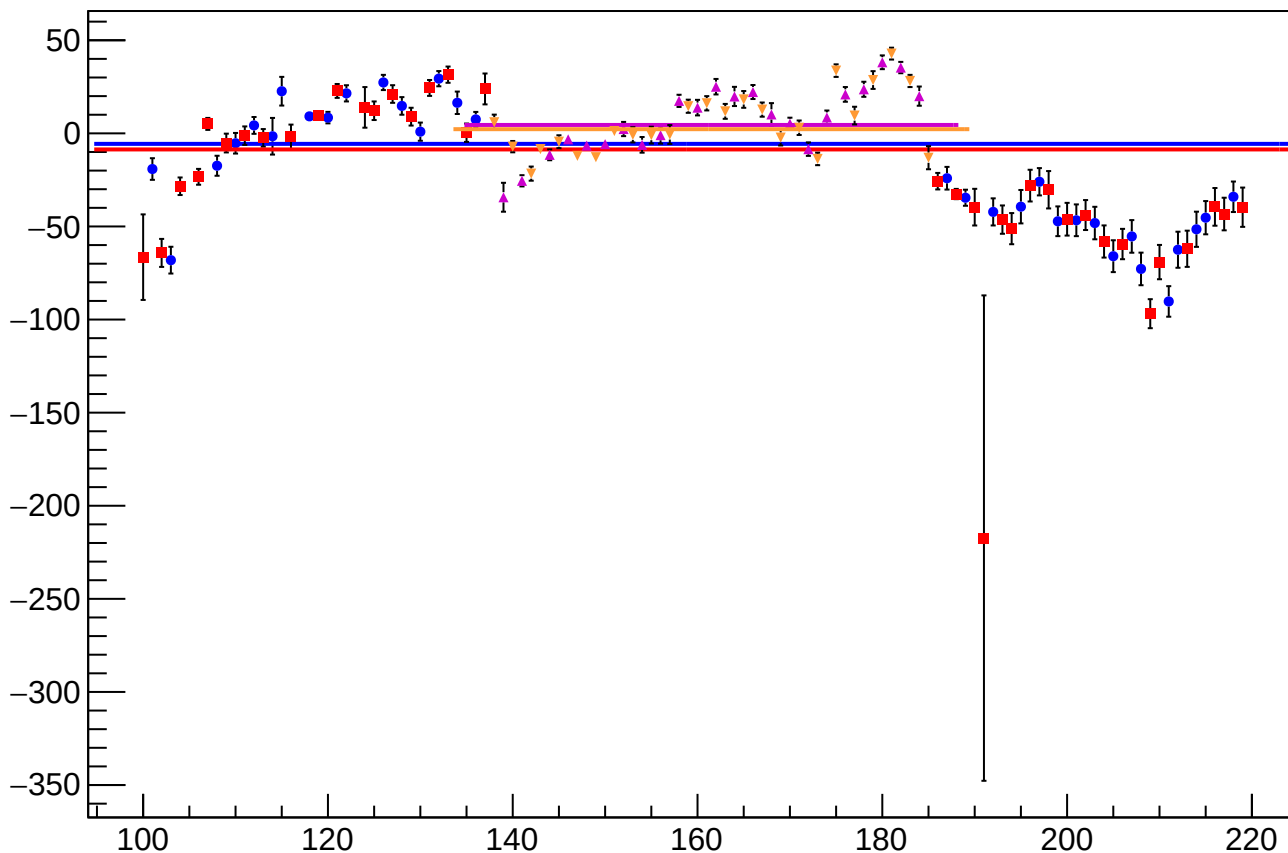
Left In: 200.521 $\pm$ 0.955 χ^2 /NDF: 2111.4/22

+ sign 193.929 $\pm$ 0.612 χ^2 /NDF: 6438.8/56

All: 197.204 $\pm$ 0.427 χ^2 /NDF: 15188.0/116

- sign 200.318 $\pm$ 0.597 χ^2 /NDF: 8693.3/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -5.641 ± 0.960 χ^2/NDF : 894.0/31

Left Out: 2.245 ± 0.665 χ^2/NDF : 600.9/24

Right Out: -8.640 ± 0.890 χ^2/NDF : 980.7/36

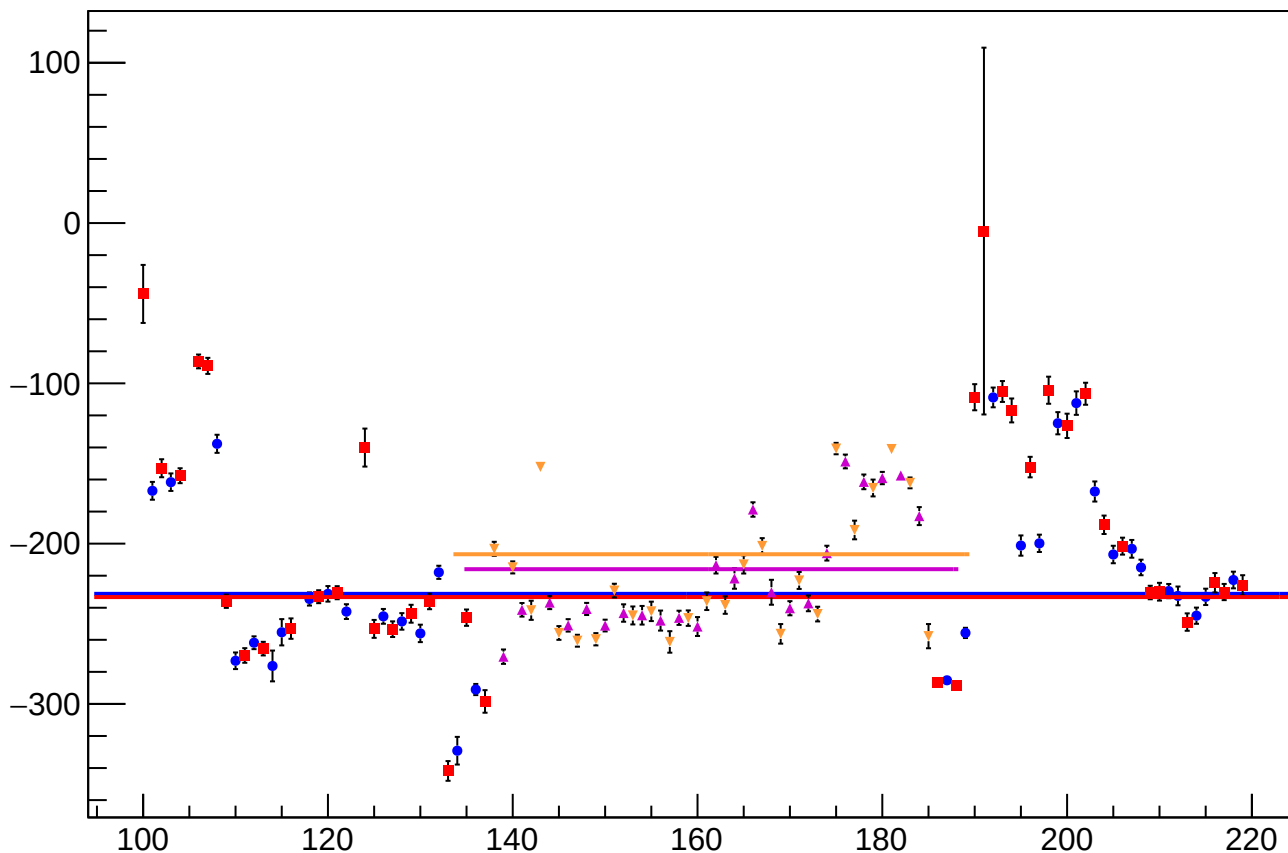
Left In: 4.513 ± 0.714 χ^2/NDF : 547.1/22

+ sign -0.308 ± 0.546 χ^2/NDF : 1540.5/56

All: -0.469 ± 0.390 χ^2/NDF : 3201.3/116

- sign -0.637 ± 0.557 χ^2/NDF : 1660.6/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -231.326 ± 0.876 χ^2/NDF : 2693.5/31

Left Out: -206.617 ± 0.895 χ^2/NDF : 2467.8/24

Right Out: -233.339 ± 0.777 χ^2/NDF : 6672.4/36

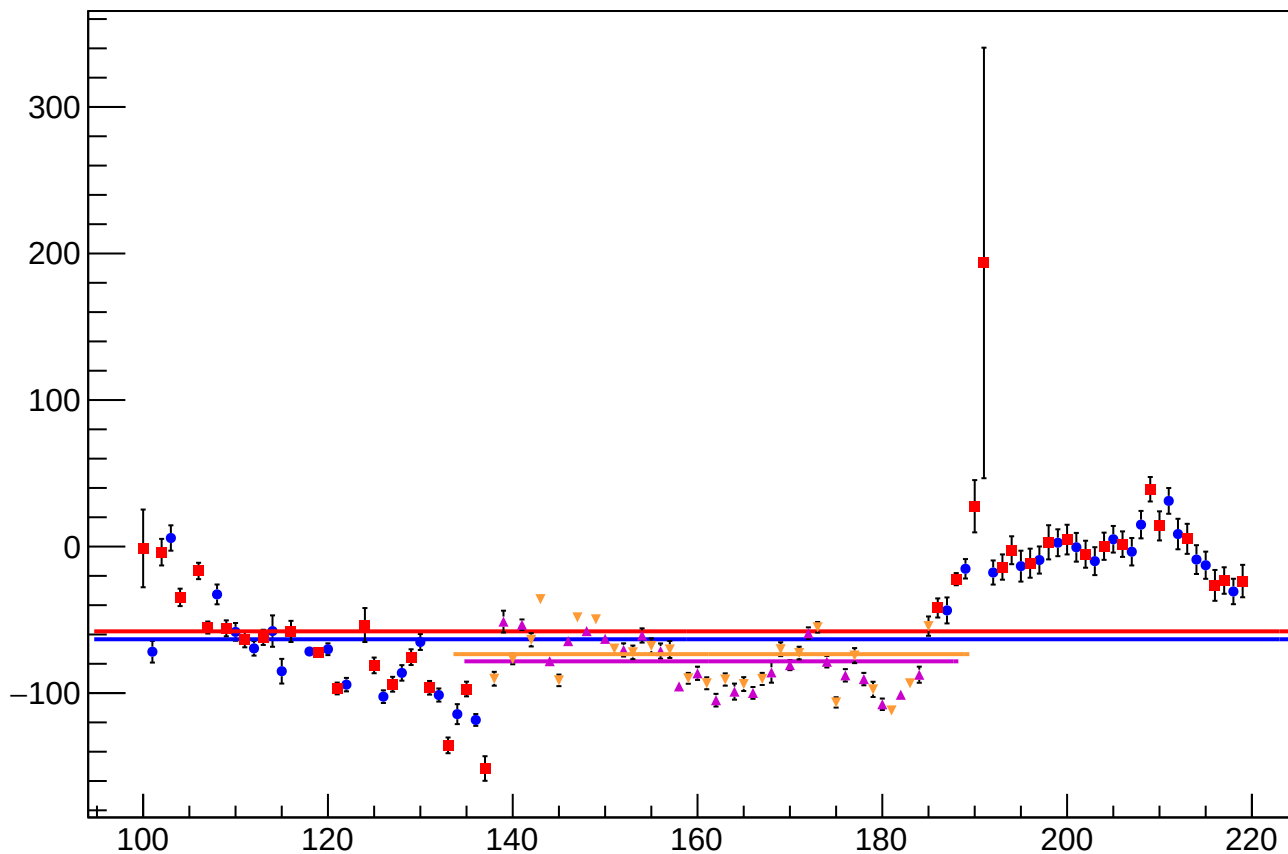
Left In: -215.938 ± 0.946 χ^2/NDF : 1711.9/22

+ sign -219.226 ± 0.626 χ^2/NDF : 5550.5/56

All: -222.925 ± 0.433 χ^2/NDF : 14203.7/116

- sign -226.328 ± 0.601 χ^2/NDF : 8586.3/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -63.270 ± 1.118 $\chi^2/\text{NDF}: 1239.2/31$

Left Out: -73.426 ± 0.767 $\chi^2/\text{NDF}: 836.6/24$

Right Out: -57.855 ± 1.056 $\chi^2/\text{NDF}: 1397.2/36$

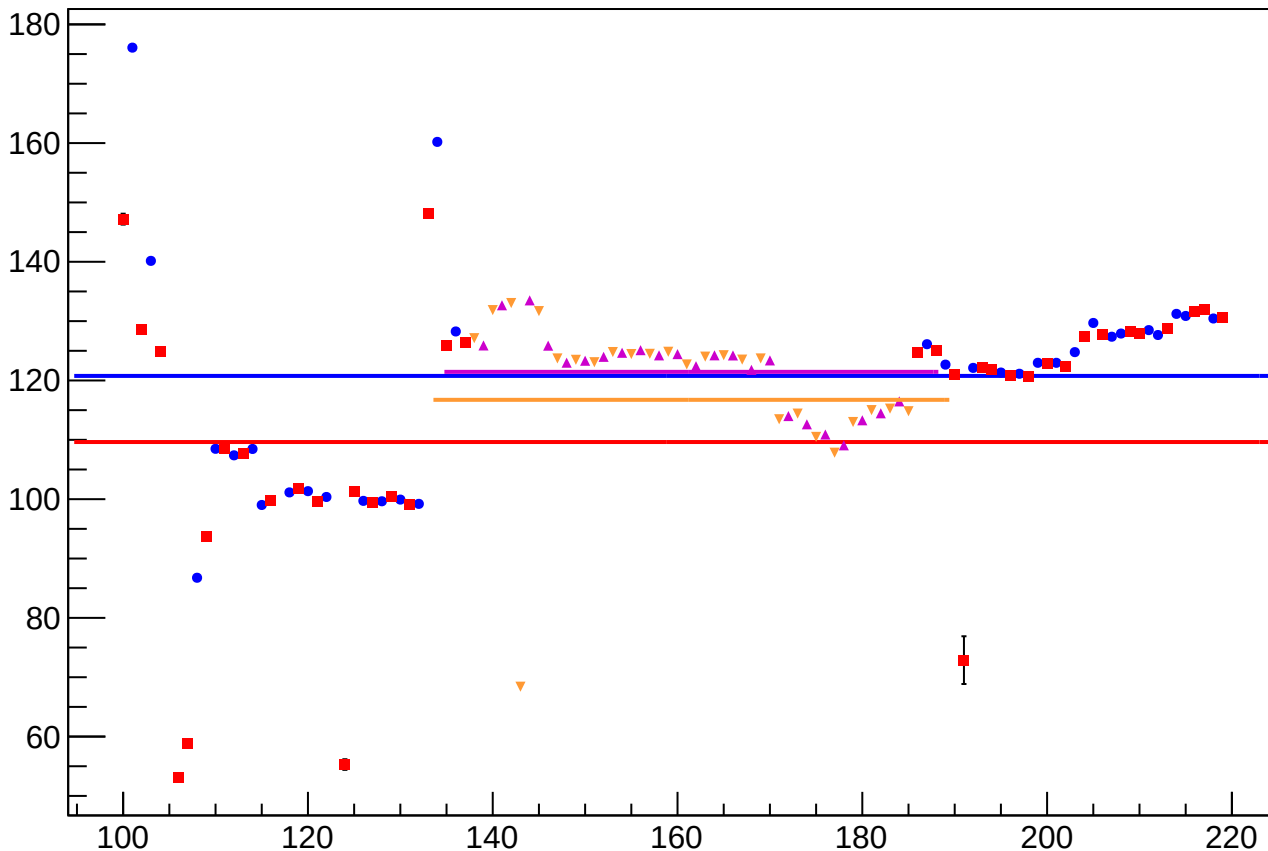
Left In: -78.329 ± 0.817 $\chi^2/\text{NDF}: 443.2/22$

+ sign -70.175 ± 0.632 $\chi^2/\text{NDF}: 2131.9/56$

All: -70.410 ± 0.452 $\chi^2/\text{NDF}: 4207.8/116$

- sign -70.656 ± 0.646 $\chi^2/\text{NDF}: 2075.6/59$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 120.770 $\pm$ 0.059 χ^2 /NDF: 100295.4/31

Left Out: 116.740 $\pm$ 0.036 χ^2 /NDF: 203650.9/24

Right Out: 109.630 $\pm$ 0.054 χ^2 /NDF: 217880.5/36

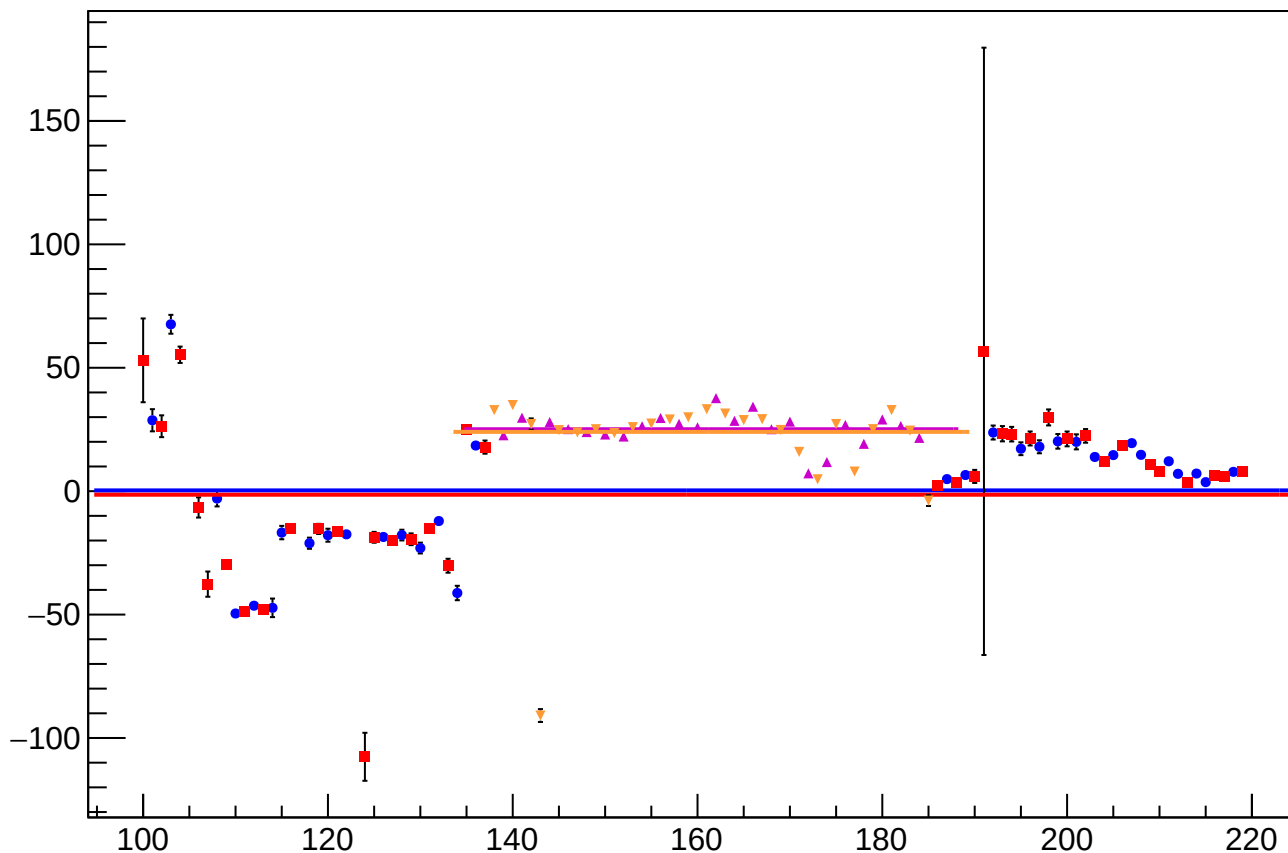
Left In: 121.455 $\pm$ 0.037 χ^2 /NDF: 28796.4/22

+ sign 117.831 $\pm$ 0.031 χ^2 /NDF: 307371.3/56

All: 117.745 $\pm$ 0.022 χ^2 /NDF: 586388.2/116

- sign 117.659 $\pm$ 0.031 χ^2 /NDF: 279001.1/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 0.313 ± 0.347 χ^2/NDF : 3733.1/31

Left Out: 24.025 ± 0.282 χ^2/NDF : 2802.2/24

Right Out: -1.434 ± 0.332 χ^2/NDF : 3970.4/36

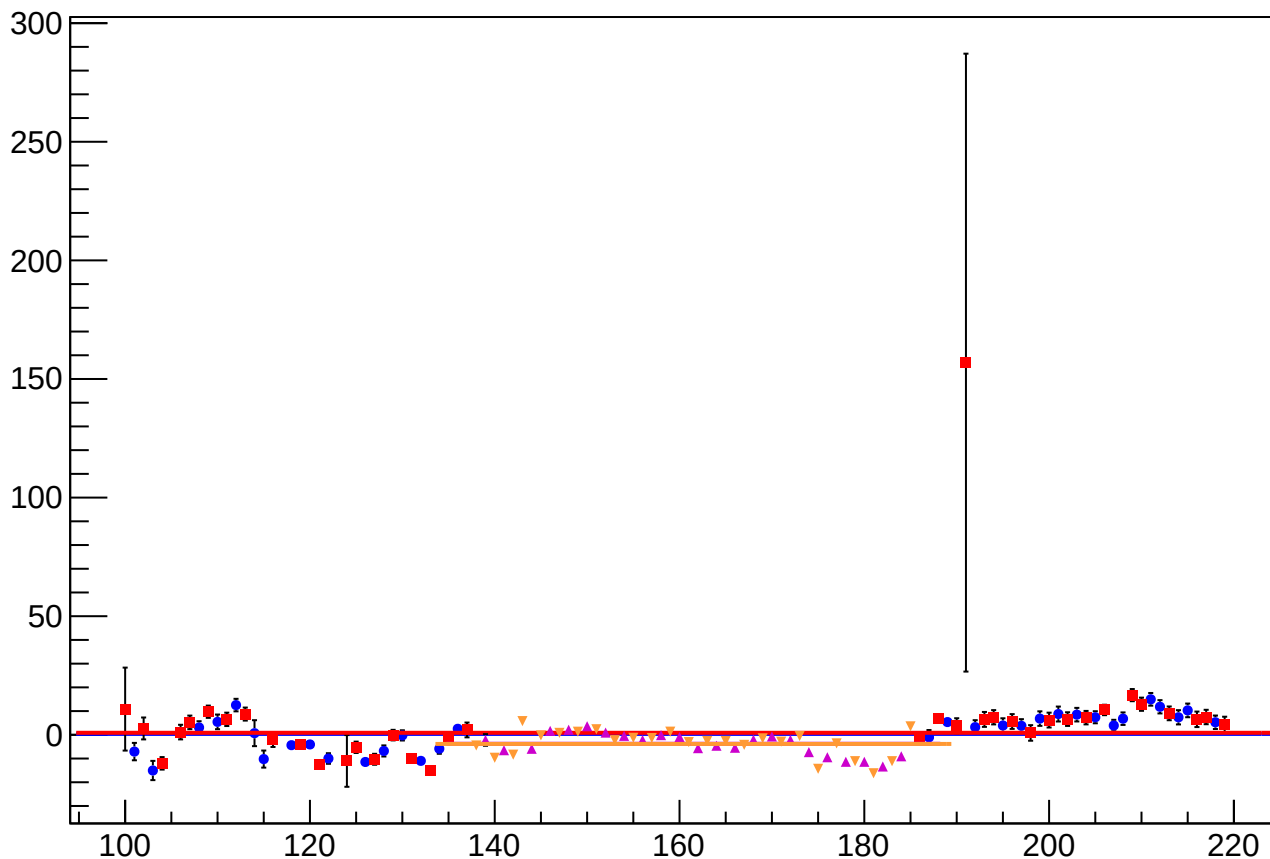
Left In: 25.089 ± 0.287 χ^2/NDF : 495.3/22

+ sign 14.600 ± 0.219 χ^2/NDF : 9345.2/56

All: 14.155 ± 0.154 χ^2/NDF : 17475.2/116

- sign 13.718 ± 0.217 χ^2/NDF : 8121.9/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.381 ± 0.431 χ^2/NDF : 289.6/31

Left Out: -3.845 ± 0.218 χ^2/NDF : 649.4/24

Right Out: 0.852 ± 0.417 χ^2/NDF : 364.6/36

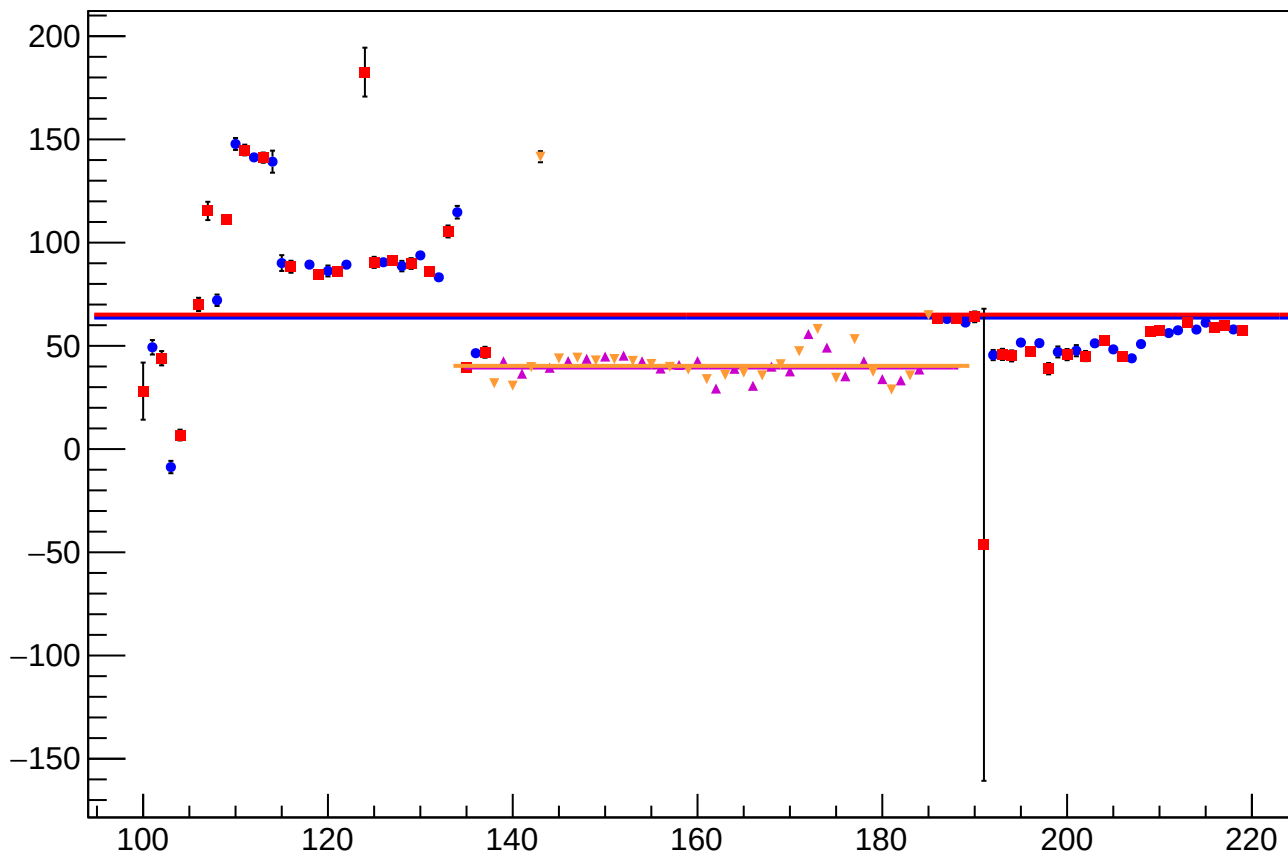
Left In: -3.780 ± 0.224 χ^2/NDF : 509.8/22

+ sign -2.985 ± 0.194 χ^2/NDF : 1015.5/56

All: -2.866 ± 0.138 χ^2/NDF : 1986.7/116

- sign -2.744 ± 0.197 χ^2/NDF : 970.4/59

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 63.697 $\pm$ 0.359 χ^2 /NDF: 4688.9/31

Left Out: 40.315 $\pm$ 0.280 χ^2 /NDF: 2182.8/24

Right Out: 65.131 $\pm$ 0.335 χ^2 /NDF: 4872.8/36

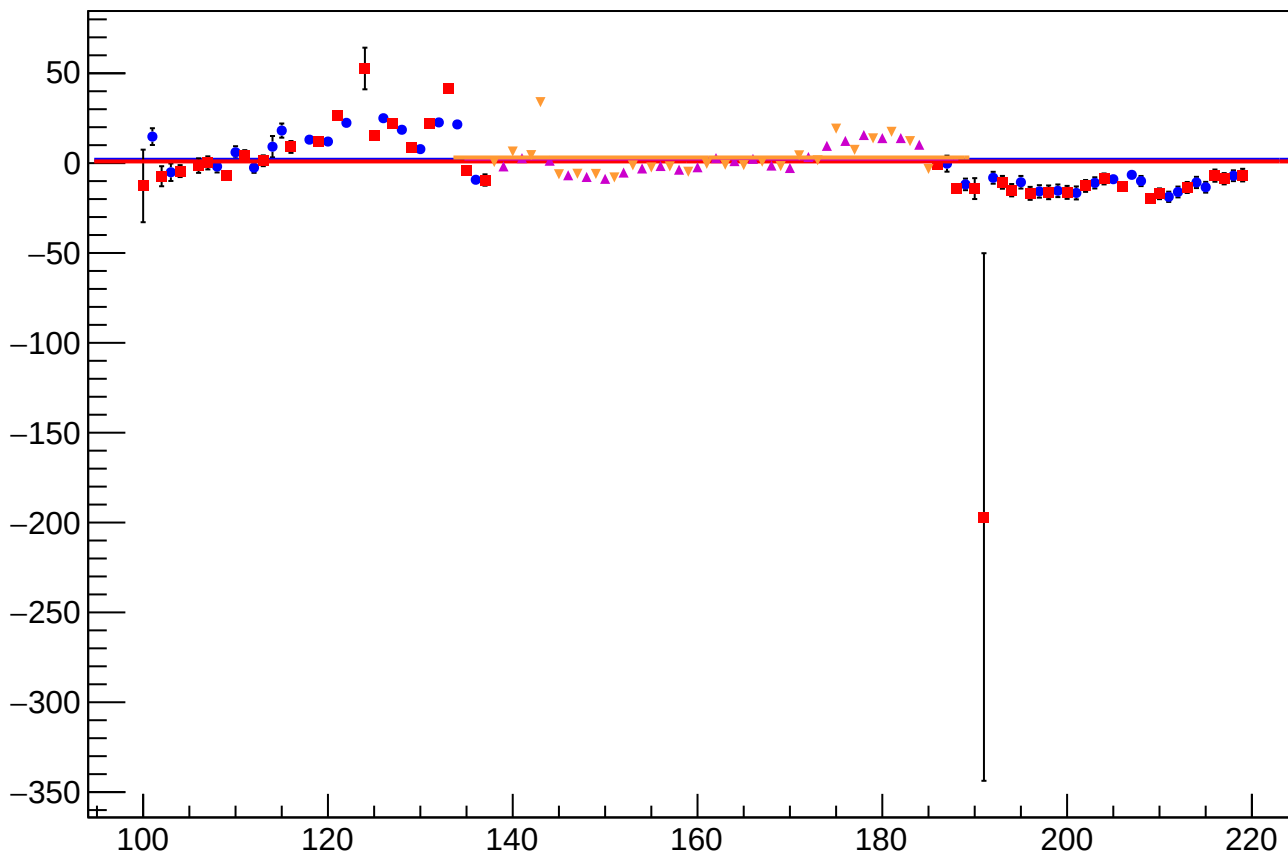
Left In: 39.504 $\pm$ 0.285 χ^2 /NDF: 432.1/22

+ sign 49.158 $\pm$ 0.221 χ^2 /NDF: 9506.2/56

All: 49.709 $\pm$ 0.155 χ^2 /NDF: 18217.2/116

- sign 50.240 $\pm$ 0.217 χ^2 /NDF: 8698.8/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 1.871 ± 0.489 χ^2/NDF : 859.3/31

Left Out: 3.142 ± 0.245 χ^2/NDF : 1267.0/24

Right Out: 0.943 ± 0.485 χ^2/NDF : 1047.0/36

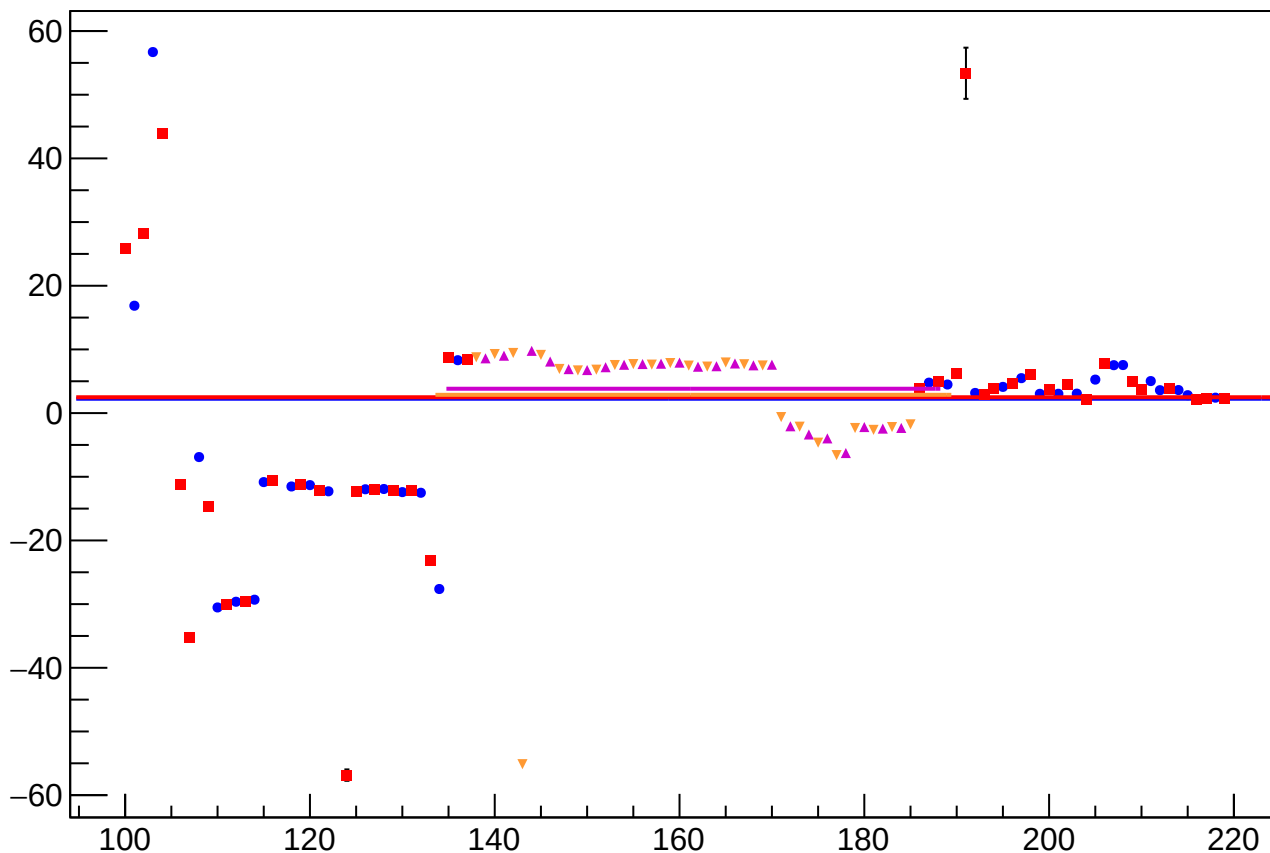
Left In: 2.519 ± 0.251 χ^2/NDF : 968.2/22

+ sign 2.886 ± 0.219 χ^2/NDF : 2131.7/56

All: 2.542 ± 0.156 χ^2/NDF : 4160.2/116

- sign 2.185 ± 0.223 χ^2/NDF : 2023.5/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 2.256 $\pm$ 0.023 χ^2 /NDF: 383015.4/31

Left Out: 2.870 $\pm$ 0.011 χ^2 /NDF: 512331.0/24

Right Out: 2.488 $\pm$ 0.023 χ^2 /NDF: 330763.0/36

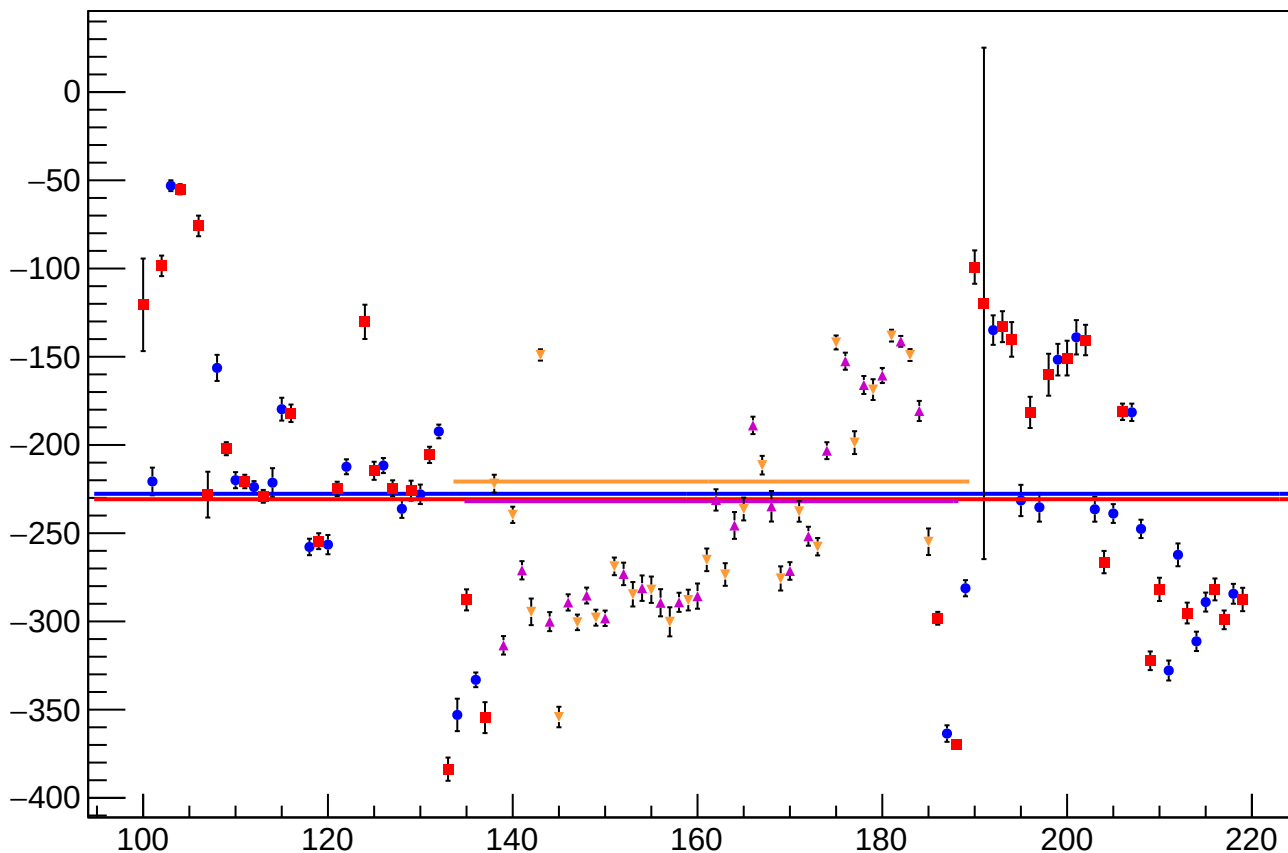
Left In: 3.825 $\pm$ 0.011 χ^2 /NDF: 233224.7/22

+ sign 2.759 $\pm$ 0.010 χ^2 /NDF: 895914.1/56

All: 3.165 $\pm$ 0.007 χ^2 /NDF: 1465947.4/116

- sign 3.579 $\pm$ 0.010 χ^2 /NDF: 566654.6/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -227.677 $\pm$ 0.929 χ^2 /NDF: 6576.1/31

Left Out: -220.723 $\pm$ 1.018 χ^2 /NDF: 4052.2/24

Right Out: -230.739 $\pm$ 0.860 χ^2 /NDF: 11153.5/36

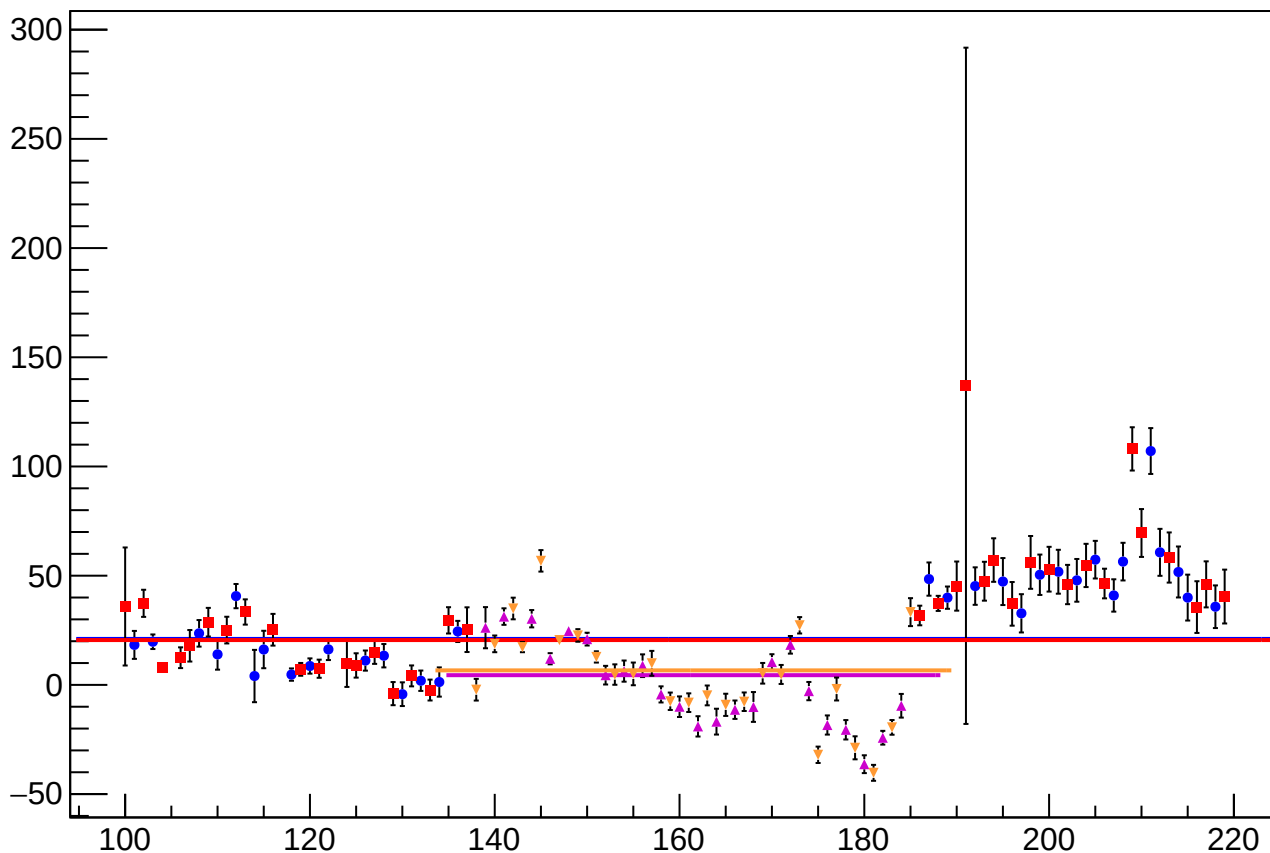
Left In: -231.871 $\pm$ 1.077 χ^2 /NDF: 3160.3/22

+ sign -224.518 $\pm$ 0.686 χ^2 /NDF: 10653.8/56

All: -227.918 $\pm$ 0.480 χ^2 /NDF: 25016.4/116

- sign -231.180 $\pm$ 0.672 χ^2 /NDF: 14314.5/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 21.041 $\pm$ 1.052 χ^2 /NDF: 322.3/31

Left Out: 6.643 $\pm$ 0.752 χ^2 /NDF: 735.0/24

Right Out: 20.524 $\pm$ 0.963 χ^2 /NDF: 377.1/36

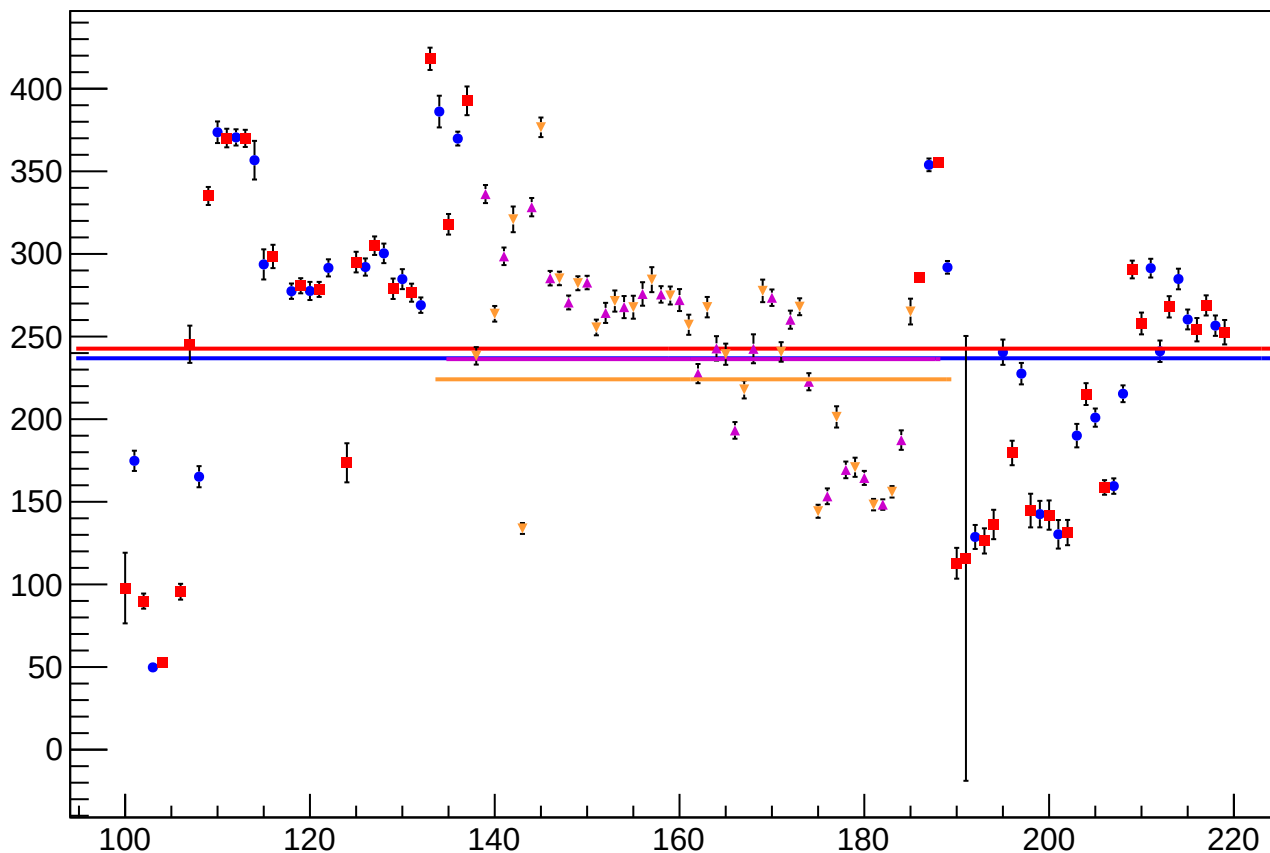
Left In: 4.447 $\pm$ 0.807 χ^2 /NDF: 567.1/22

+ sign 11.517 $\pm$ 0.612 χ^2 /NDF: 1181.2/56

All: 11.301 $\pm$ 0.435 χ^2 /NDF: 2289.4/116

- sign 11.079 $\pm$ 0.619 χ^2 /NDF: 1107.9/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 236.859 $\pm$ 0.942 χ^2/NDF : 11604.7/31

Left Out: 224.123 $\pm$ 1.014 χ^2/NDF : 3966.6/24

Right Out: 242.694 $\pm$ 0.849 χ^2/NDF : 17102.3/36

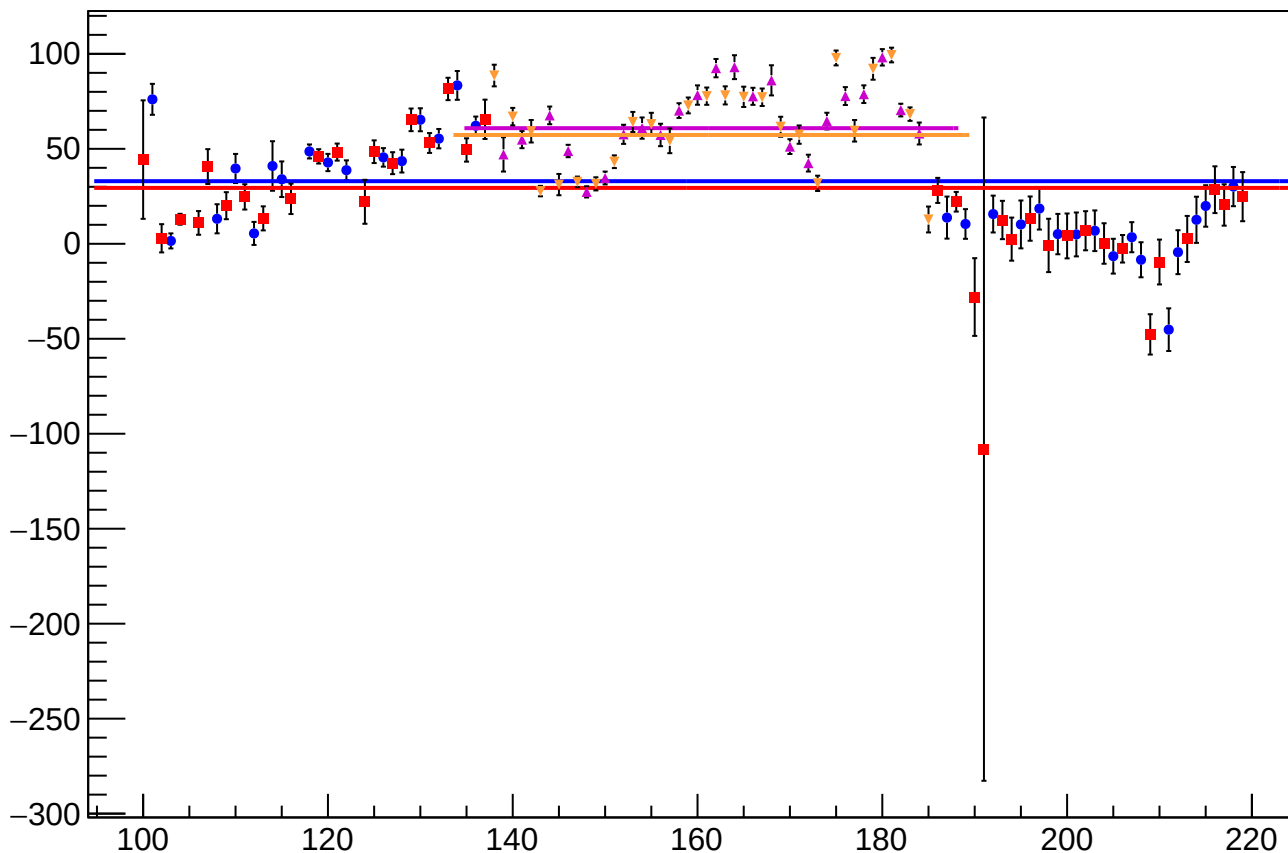
Left In: 236.342 $\pm$ 1.066 χ^2/NDF : 2992.9/22

+ sign 230.955 $\pm$ 0.690 χ^2/NDF : 15656.0/56

All: 235.770 $\pm$ 0.479 χ^2/NDF : 35866.7/116

- sign 240.230 $\pm$ 0.664 χ^2/NDF : 20116.9/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 32.970+/-1.225 χ^2/NDF : 435.1/31

Left Out: 57.288+/-0.868 χ^2/NDF : 767.9/24

Right Out: 29.429+/-1.149 χ^2/NDF : 407.3/36

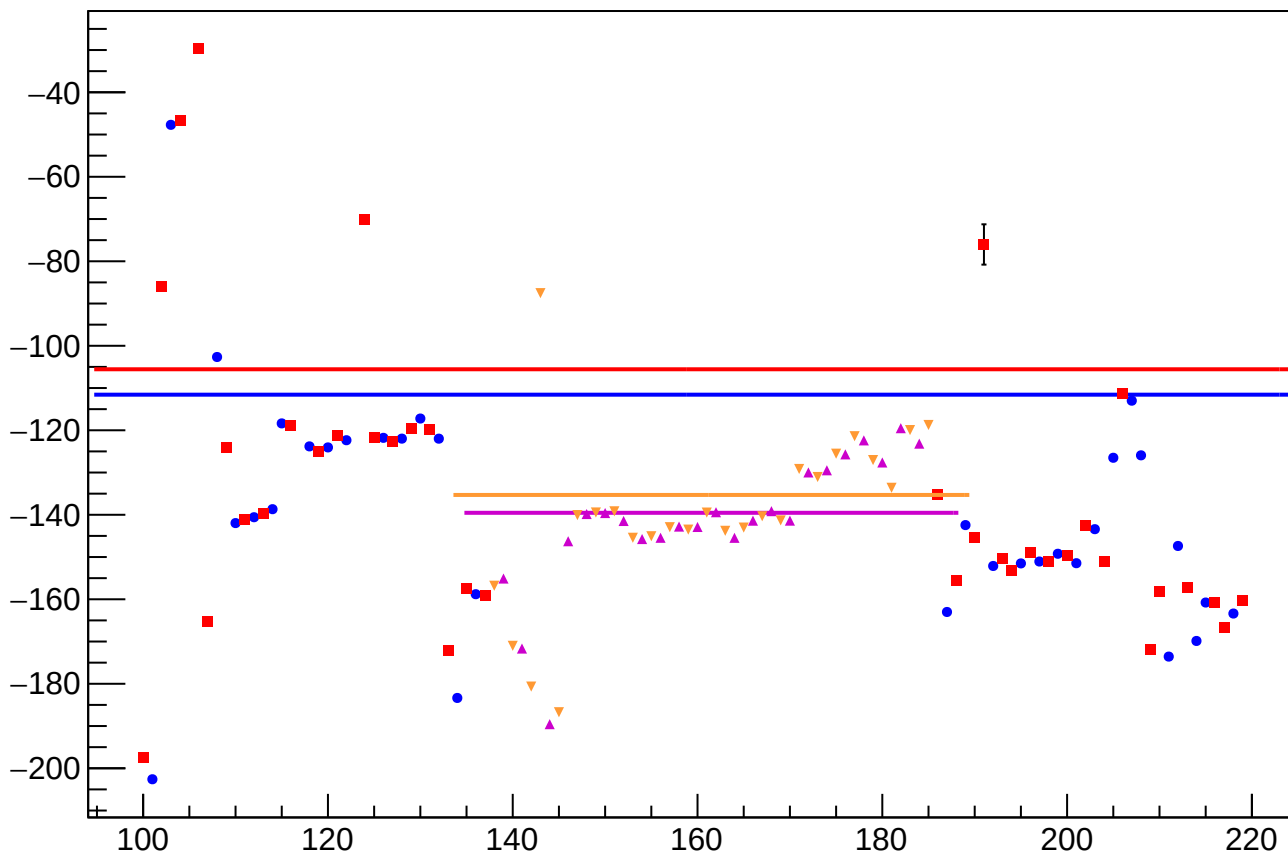
Left In: 60.877+/-0.923 χ^2/NDF : 454.7/22

+ sign 49.161+/-0.708 χ^2/NDF : 1465.3/56

All: 48.860+/-0.505 χ^2/NDF : 2783.2/116

- sign 48.549+/-0.719 χ^2/NDF : 1317.5/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -111.573 ± 0.057 $\chi^2/\text{NDF}: 708427.5/31$

Left Out: -135.305 ± 0.041 $\chi^2/\text{NDF}: 262874.5/24$

Right Out: -105.560 ± 0.055 $\chi^2/\text{NDF}: 777307.3/36$

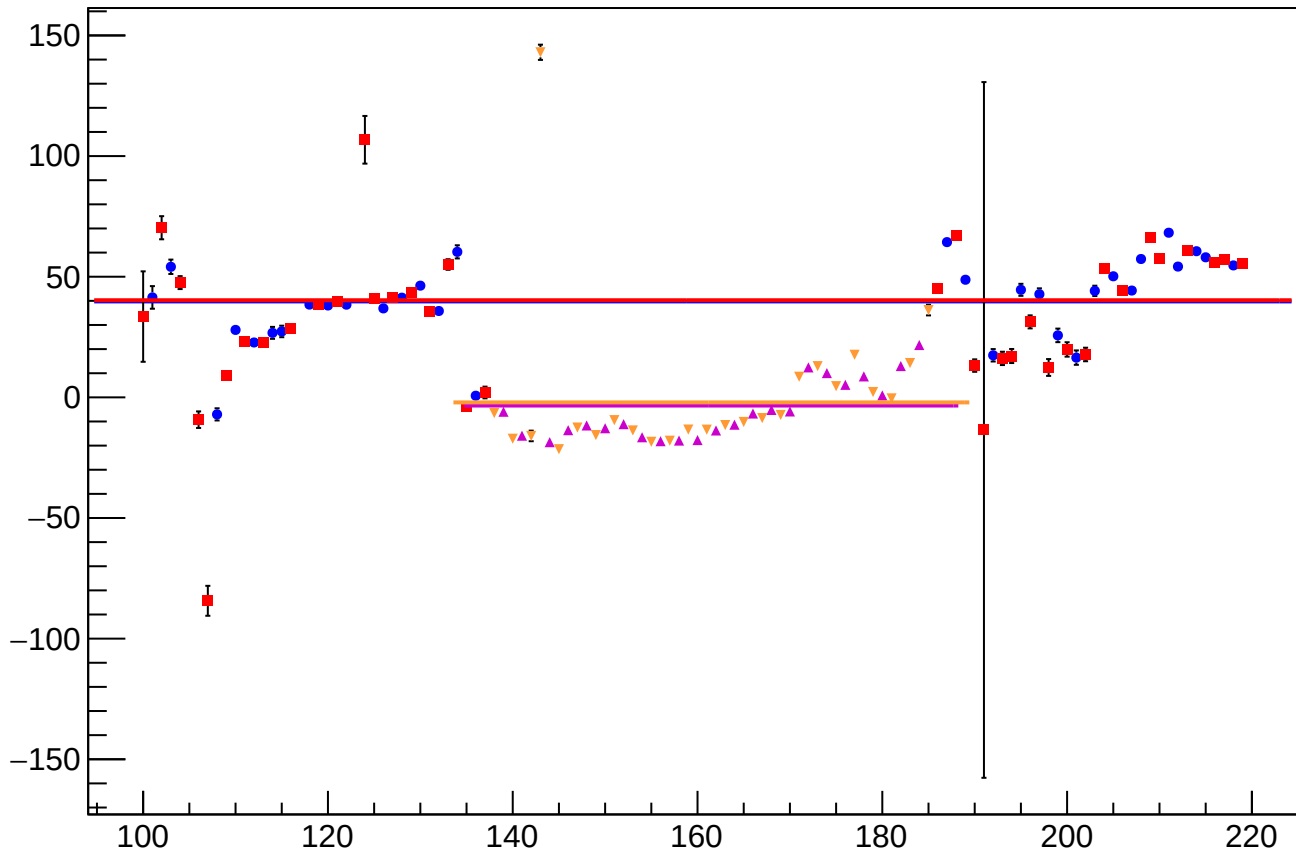
Left In: -139.533 ± 0.042 $\chi^2/\text{NDF}: 114482.7/22$

+ sign -127.304 ± 0.033 $\chi^2/\text{NDF}: 1086638.9/56$

All: -127.143 ± 0.023 $\chi^2/\text{NDF}: 2219010.7/11$

- sign -126.978 ± 0.033 $\chi^2/\text{NDF}: 1132323.9/59$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 39.768 ± 0.311 χ^2/NDF : 3388.4/31

Left Out: -2.091 ± 0.267 χ^2/NDF : 4201.3/24

Right Out: 40.249 ± 0.282 χ^2/NDF : 5579.2/36

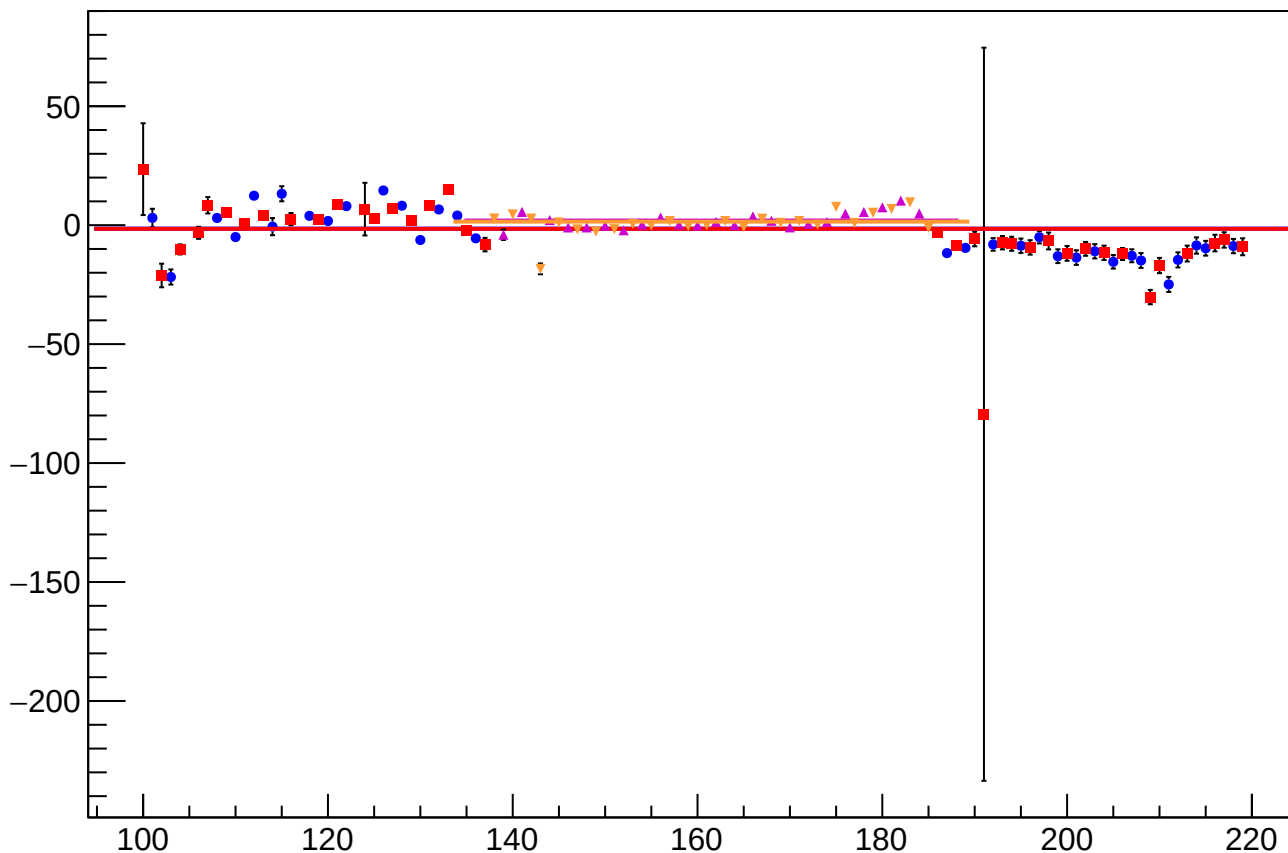
Left In: -3.391 ± 0.271 χ^2/NDF : 1752.8/22

+ sign 15.642 ± 0.203 χ^2/NDF : 18020.1/56

All: 16.628 ± 0.141 χ^2/NDF : 37813.4/116

- sign 17.548 ± 0.196 χ^2/NDF : 19747.5/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -1.467 ± 0.368 χ^2/NDF : 604.7/31

Left Out: 1.489 ± 0.205 χ^2/NDF : 328.6/24

Right Out: -1.527 ± 0.346 χ^2/NDF : 548.4/36

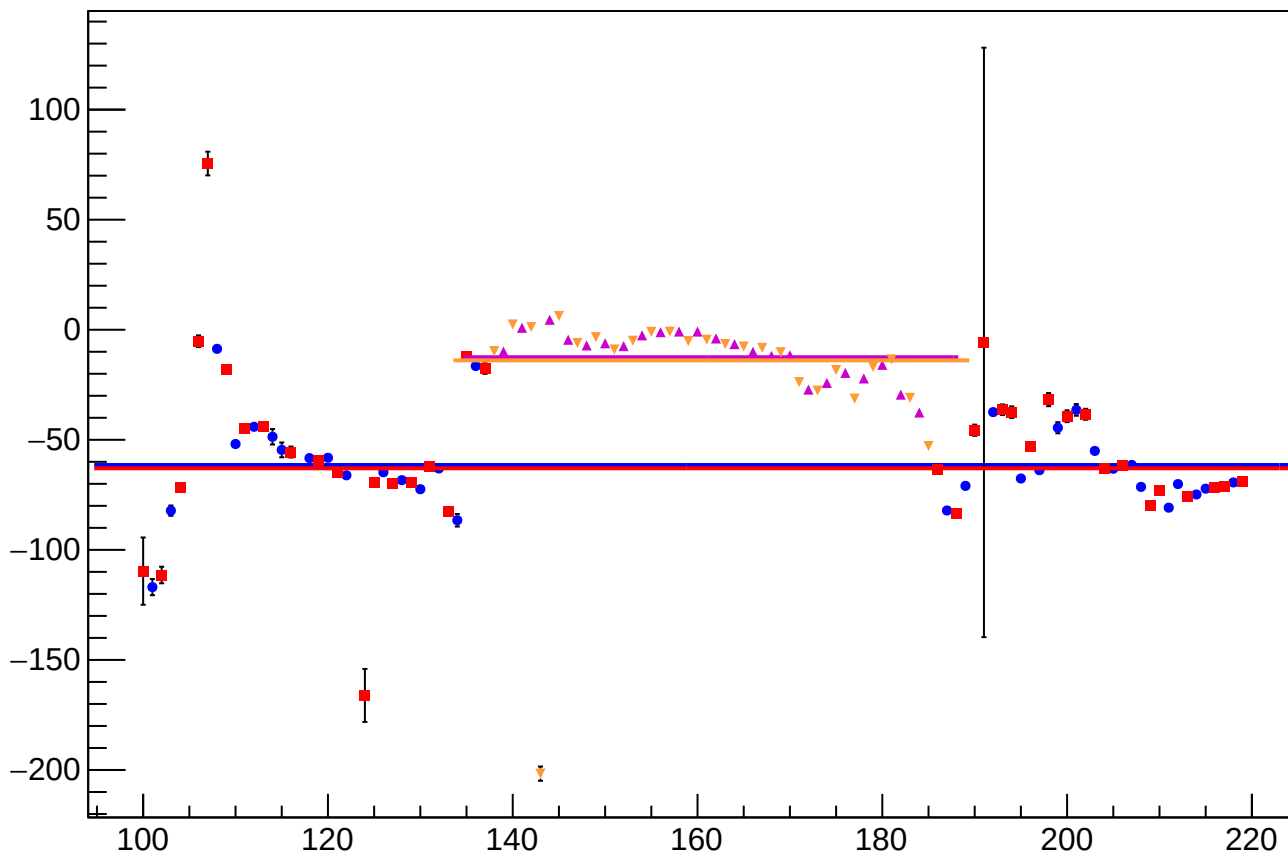
Left In: 1.933 ± 0.210 χ^2/NDF : 240.7/22

+ sign 0.791 ± 0.179 χ^2/NDF : 982.4/56

All: 0.894 ± 0.127 χ^2/NDF : 1845.2/116

- sign 0.999 ± 0.180 χ^2/NDF : 862.1/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -61.460 ± 0.324 χ^2/NDF : 3682.8/31

Left Out: -13.908 ± 0.265 χ^2/NDF : 5128.3/24

Right Out: -62.948 ± 0.282 χ^2/NDF : 5722.2/36

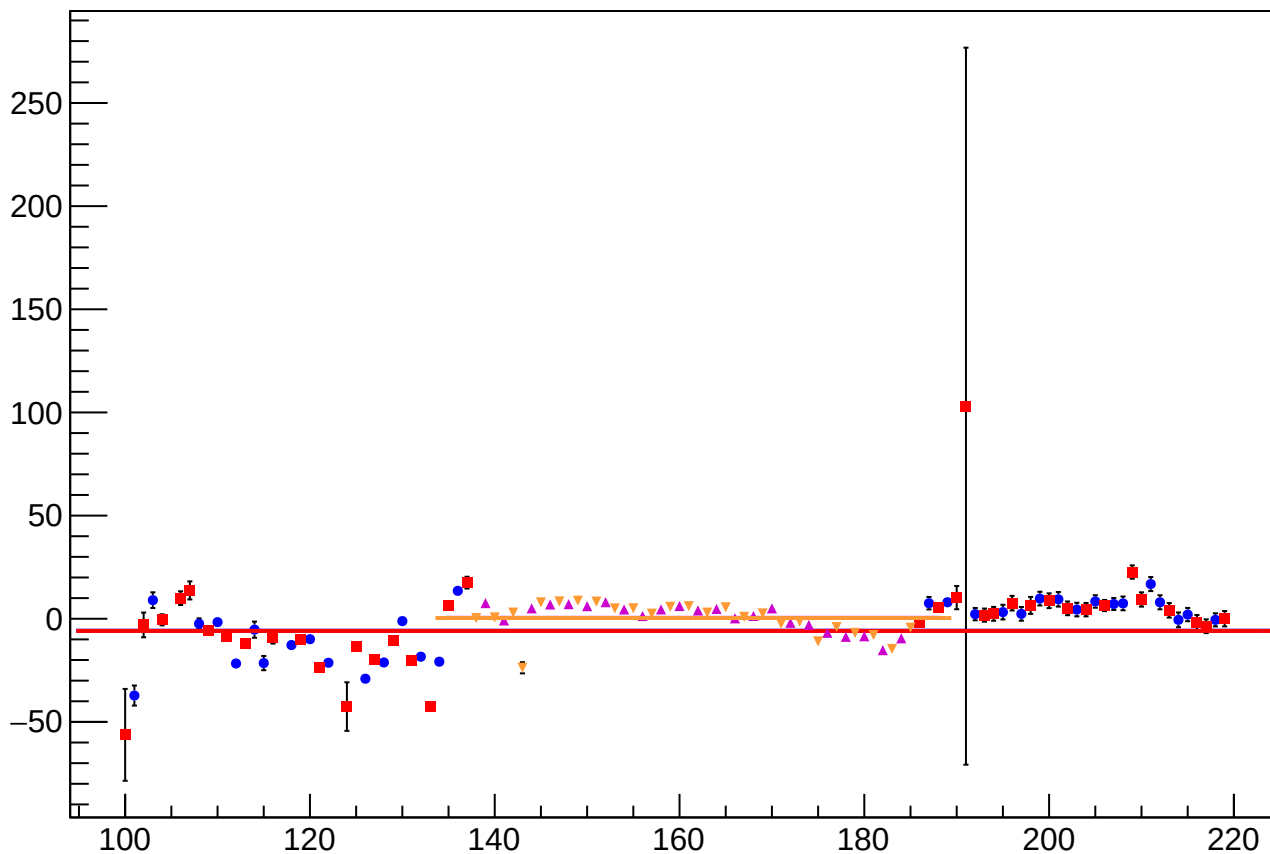
Left In: -12.494 ± 0.269 χ^2/NDF : 1430.3/22

+ sign -32.969 ± 0.205 χ^2/NDF : 21747.0/56

All: -34.830 ± 0.141 χ^2/NDF : 45836.8/116

- sign -36.507 ± 0.195 χ^2/NDF : 23933.1/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -5.810 ± 0.426 χ^2/NDF : 1012.8/31

Left Out: 0.345 ± 0.231 χ^2/NDF : 921.9/24

Right Out: -5.894 ± 0.412 χ^2/NDF : 1054.4/36

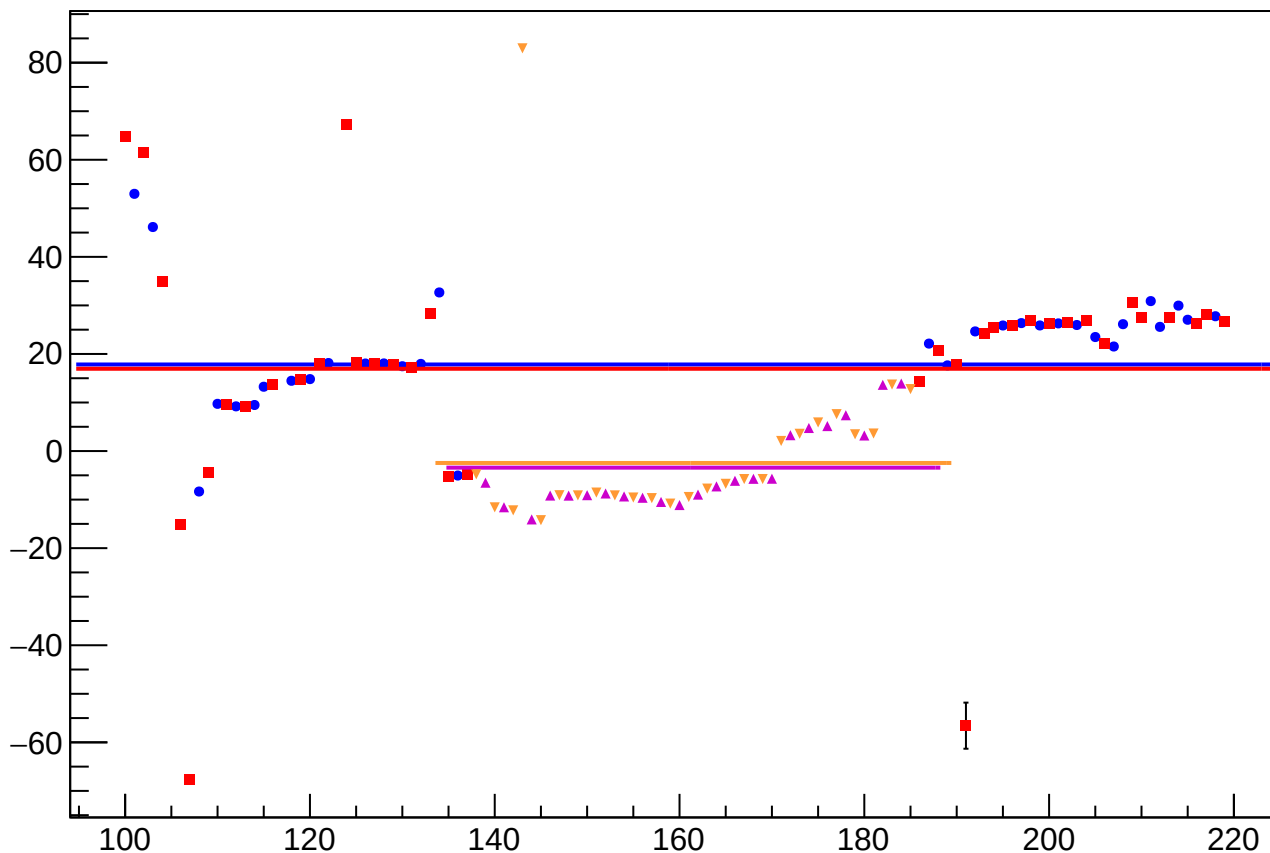
Left In: 0.433 ± 0.237 χ^2/NDF : 782.1/22

+ sign -1.058 ± 0.203 χ^2/NDF : 2096.0/56

All: -1.096 ± 0.144 χ^2/NDF : 4109.6/116

- sign -1.134 ± 0.205 χ^2/NDF : 2013.5/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 17.831+/-0.022 χ^2 /NDF: 458451.1/31

Left Out: -2.452+/-0.010 χ^2 /NDF: 961833.3/24

Right Out: 16.952+/-0.021 χ^2 /NDF: 582896.6/36

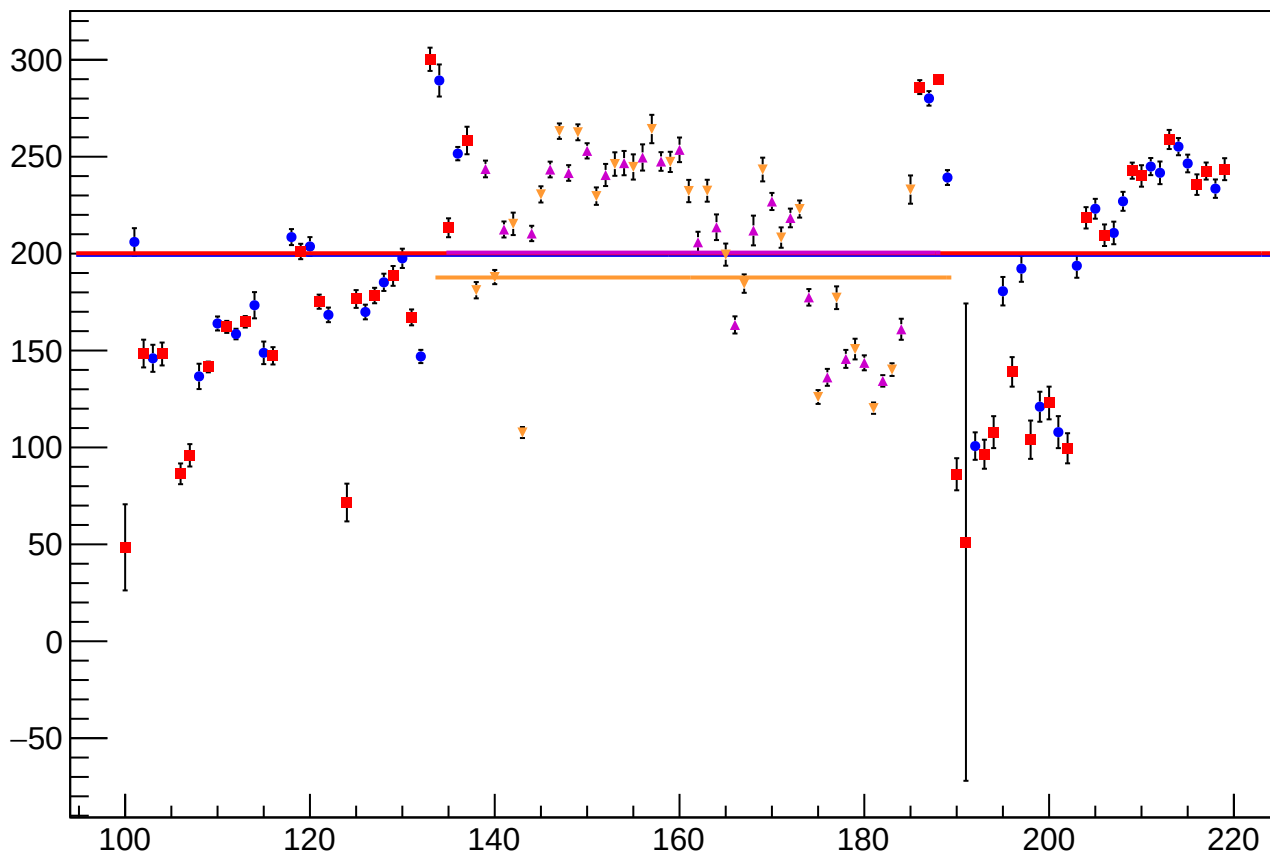
Left In: -3.418+/-0.010 χ^2 /NDF: 546802.2/22

+ sign 1.344+/-0.009 χ^2 /NDF: 2138569.6/56

All: 0.915+/-0.007 χ^2 /NDF: 4001217.2/116

- sign 0.481+/-0.009 χ^2 /NDF: 1858404.5/59

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 199.347 $\pm$ 0.836 χ^2 /NDF: 2820.0/31

Left Out: 187.681 $\pm$ 0.898 χ^2 /NDF: 3528.3/24

Right Out: 200.189 $\pm$ 0.764 χ^2 /NDF: 6581.8/36

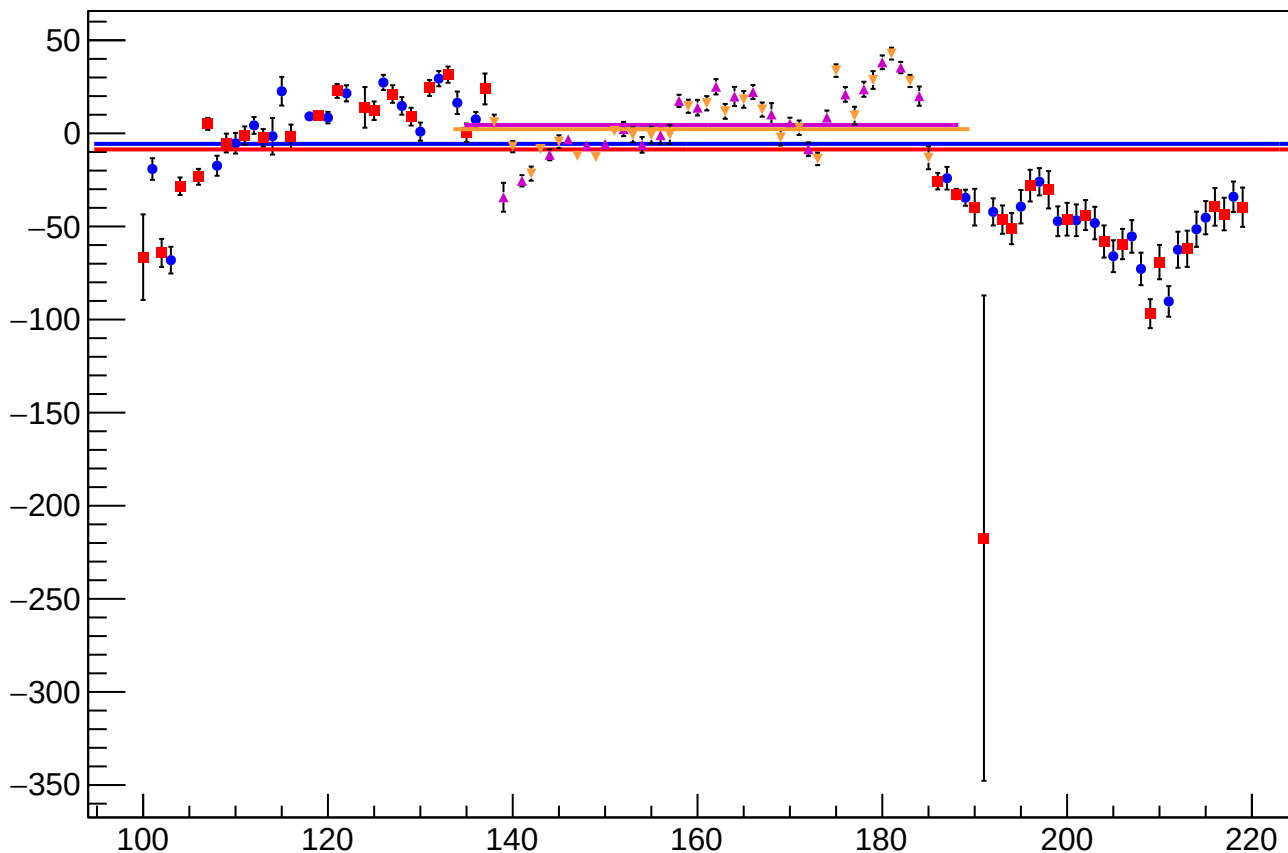
Left In: 200.521 $\pm$ 0.955 χ^2 /NDF: 2111.4/22

+ sign 193.929 $\pm$ 0.612 χ^2 /NDF: 6438.8/56

All: 197.204 $\pm$ 0.427 χ^2 /NDF: 15188.0/116

- sign 200.318 $\pm$ 0.597 χ^2 /NDF: 8693.3/59

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -5.641 ± 0.960 χ^2/NDF : 894.0/31

Left Out: 2.245 ± 0.665 χ^2/NDF : 600.9/24

Right Out: -8.640 ± 0.890 χ^2/NDF : 980.7/36

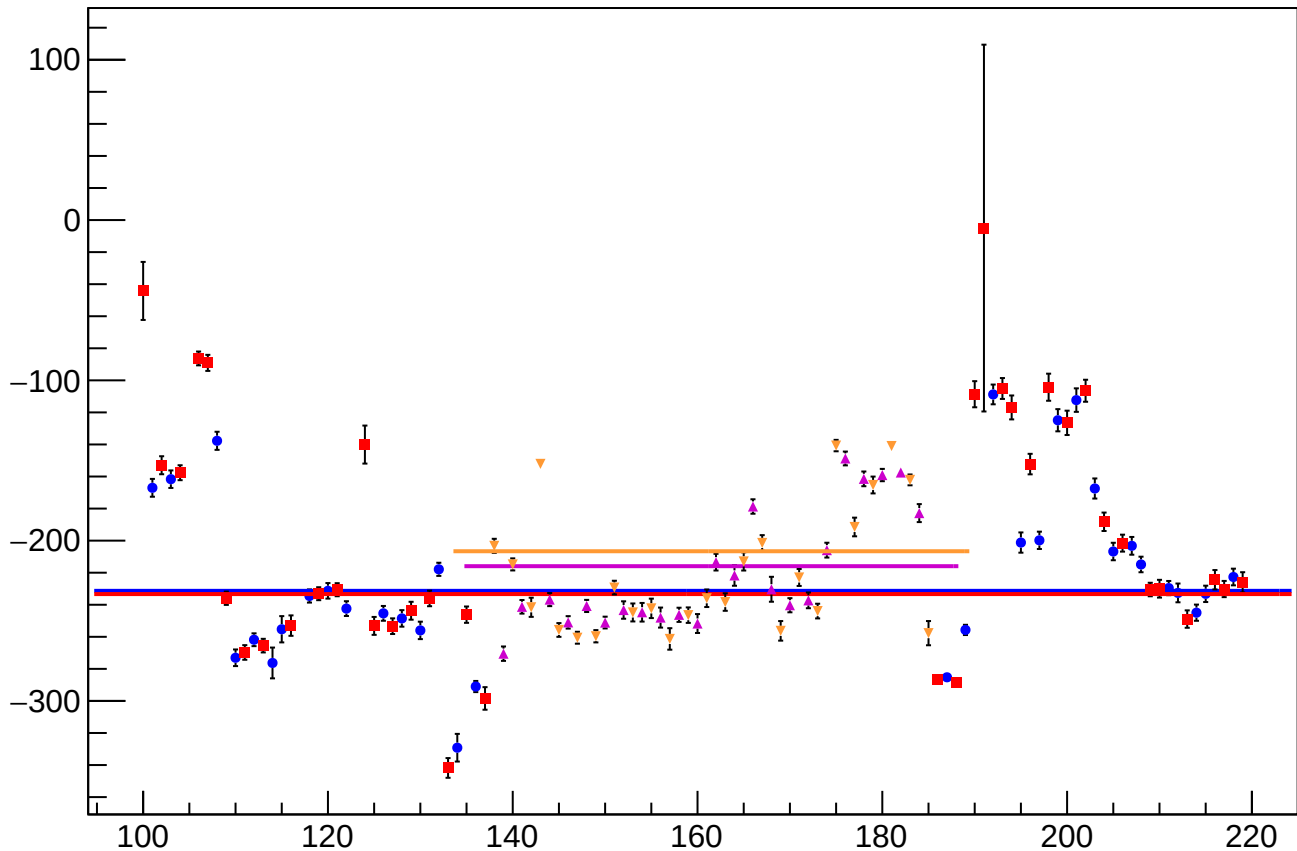
Left In: 4.513 ± 0.714 χ^2/NDF : 547.1/22

+ sign -0.308 ± 0.546 χ^2/NDF : 1540.5/56

All: -0.469 ± 0.390 χ^2/NDF : 3201.3/116

- sign -0.637 ± 0.557 χ^2/NDF : 1660.6/59

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -231.326 ± 0.876 $\chi^2/\text{NDF}: 2693.5/31$

Left Out: -206.617 ± 0.895 $\chi^2/\text{NDF}: 2467.8/24$

Right Out: -233.339 ± 0.777 $\chi^2/\text{NDF}: 6672.4/36$

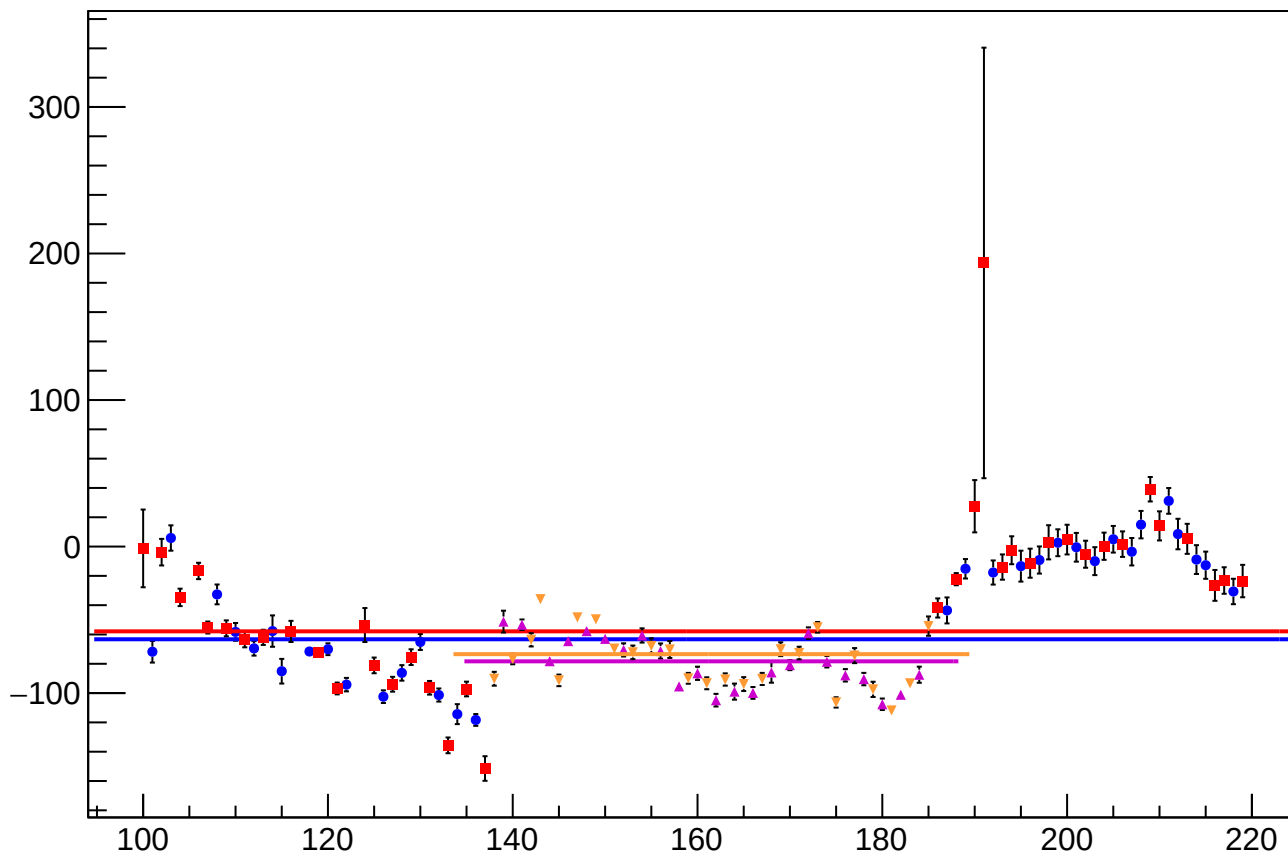
Left In: -215.938 ± 0.946 $\chi^2/\text{NDF}: 1711.9/22$

+ sign -219.226 ± 0.626 $\chi^2/\text{NDF}: 5550.5/56$

All: -222.925 ± 0.433 $\chi^2/\text{NDF}: 14203.7/116$

- sign -226.328 ± 0.601 $\chi^2/\text{NDF}: 8586.3/59$

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -63.270 ± 1.118 χ^2/NDF : 1239.2/31

Left Out: -73.426 ± 0.767 χ^2/NDF : 836.6/24

Right Out: -57.855 ± 1.056 χ^2/NDF : 1397.2/36

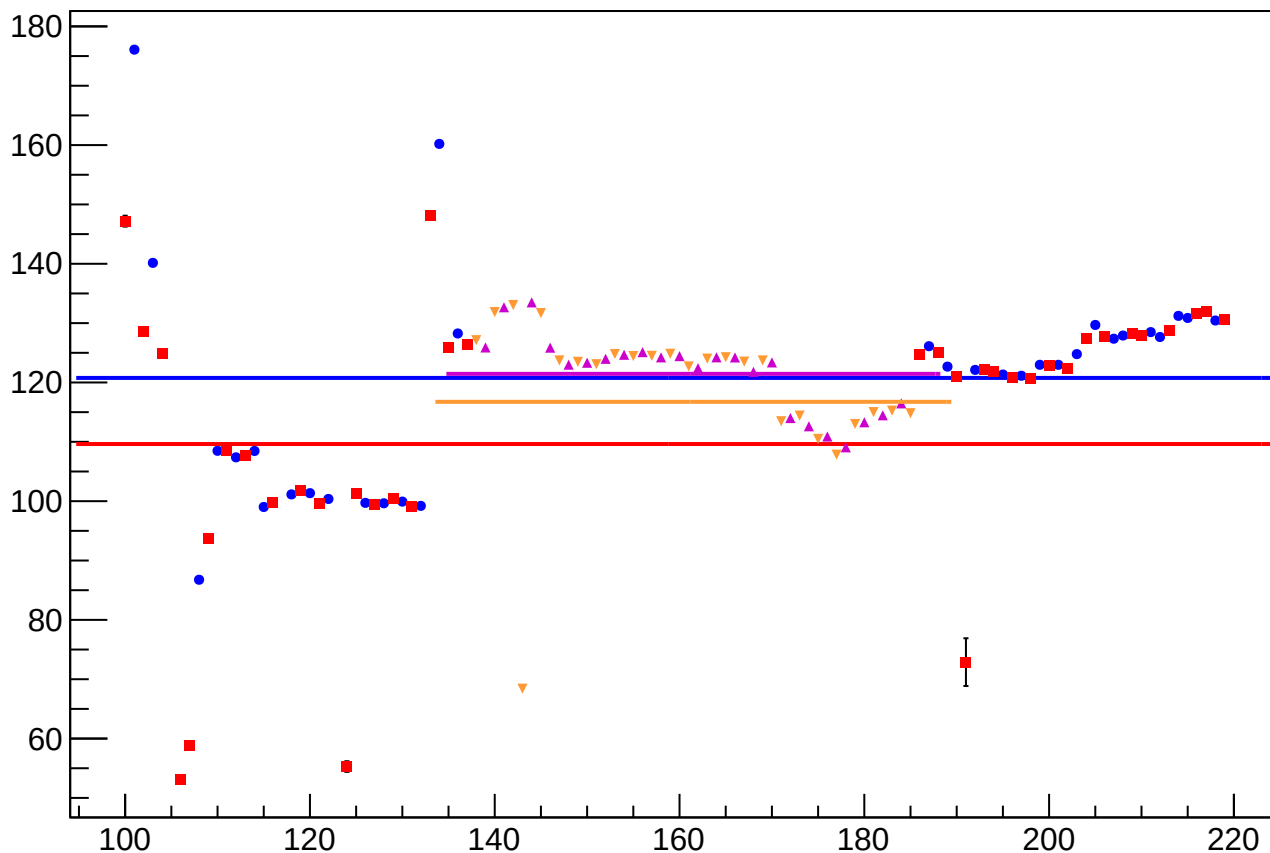
Left In: -78.329 ± 0.817 χ^2/NDF : 443.2/22

+ sign -70.175 ± 0.632 χ^2/NDF : 2131.9/56

All: -70.410 ± 0.452 χ^2/NDF : 4207.8/116

- sign -70.656 ± 0.646 χ^2/NDF : 2075.6/59

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 120.770 ± 0.059 χ^2/NDF : 100295.4/31

Left Out: 116.740 ± 0.036 χ^2/NDF : 203650.9/24

Right Out: 109.630 ± 0.054 χ^2/NDF : 217880.5/36

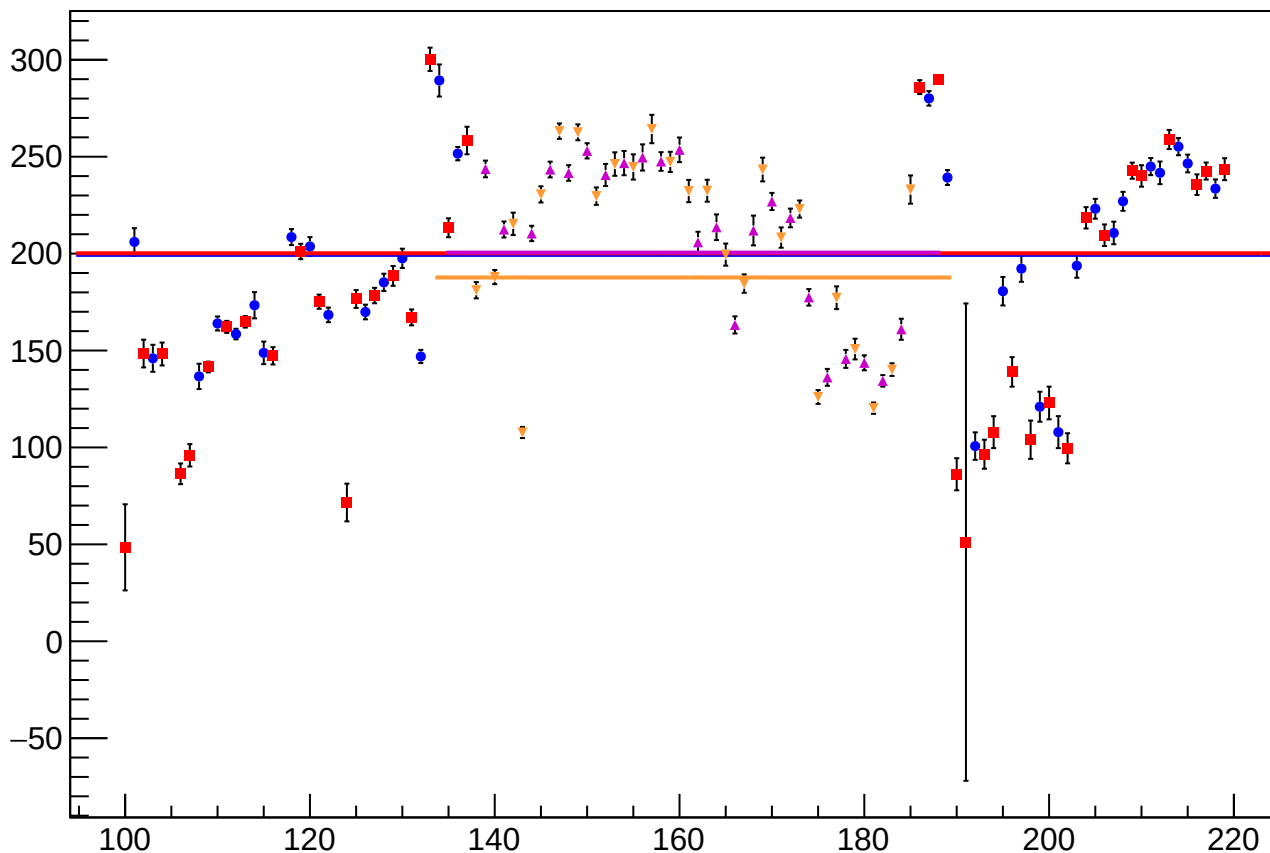
Left In: 121.455 ± 0.037 χ^2/NDF : 28796.4/22

+ sign 117.831 ± 0.031 χ^2/NDF : 307371.3/56

All: 117.745 ± 0.022 χ^2/NDF : 586388.2/116

- sign 117.659 ± 0.031 χ^2/NDF : 279001.1/59

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 199.347 $\pm$ 0.836 χ^2 /NDF: 2820.0/31

Left Out: 187.681 $\pm$ 0.898 χ^2 /NDF: 3528.3/24

Right Out: 200.189 $\pm$ 0.764 χ^2 /NDF: 6581.8/36

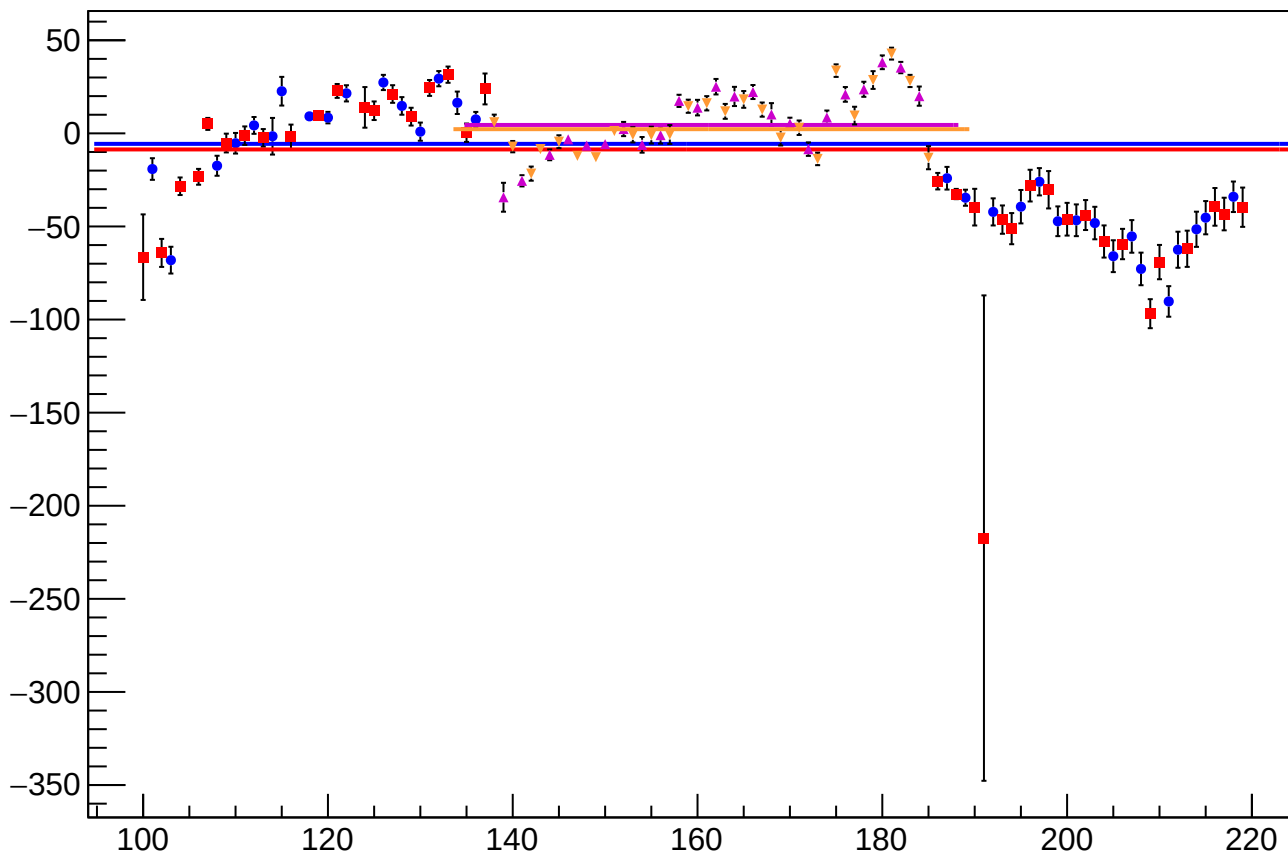
Left In: 200.521 $\pm$ 0.955 χ^2 /NDF: 2111.4/22

+ sign 193.929 $\pm$ 0.612 χ^2 /NDF: 6438.8/56

All: 197.204 $\pm$ 0.427 χ^2 /NDF: 15188.0/116

- sign 200.318 $\pm$ 0.597 χ^2 /NDF: 8693.3/59

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -5.641 ± 0.960 χ^2/NDF : 894.0/31

Left Out: 2.245 ± 0.665 χ^2/NDF : 600.9/24

Right Out: -8.640 ± 0.890 χ^2/NDF : 980.7/36

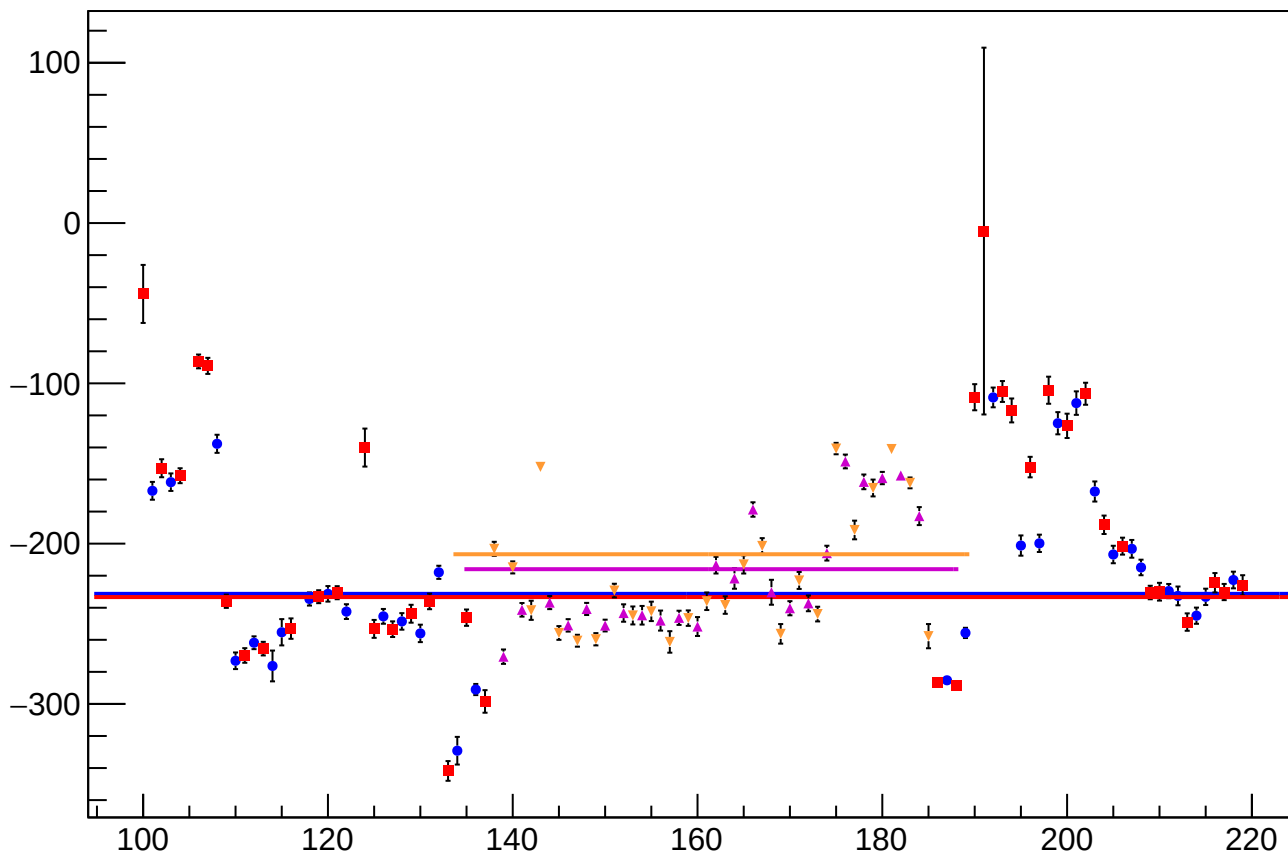
Left In: 4.513 ± 0.714 χ^2/NDF : 547.1/22

+ sign -0.308 ± 0.546 χ^2/NDF : 1540.5/56

All: -0.469 ± 0.390 χ^2/NDF : 3201.3/116

- sign -0.637 ± 0.557 χ^2/NDF : 1660.6/59

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Left Out: -206.617 ± 0.895 $\chi^2/\text{NDF}: 2467.8/24$

Right Out: -233.339 ± 0.777 $\chi^2/\text{NDF}: 6672.4/36$

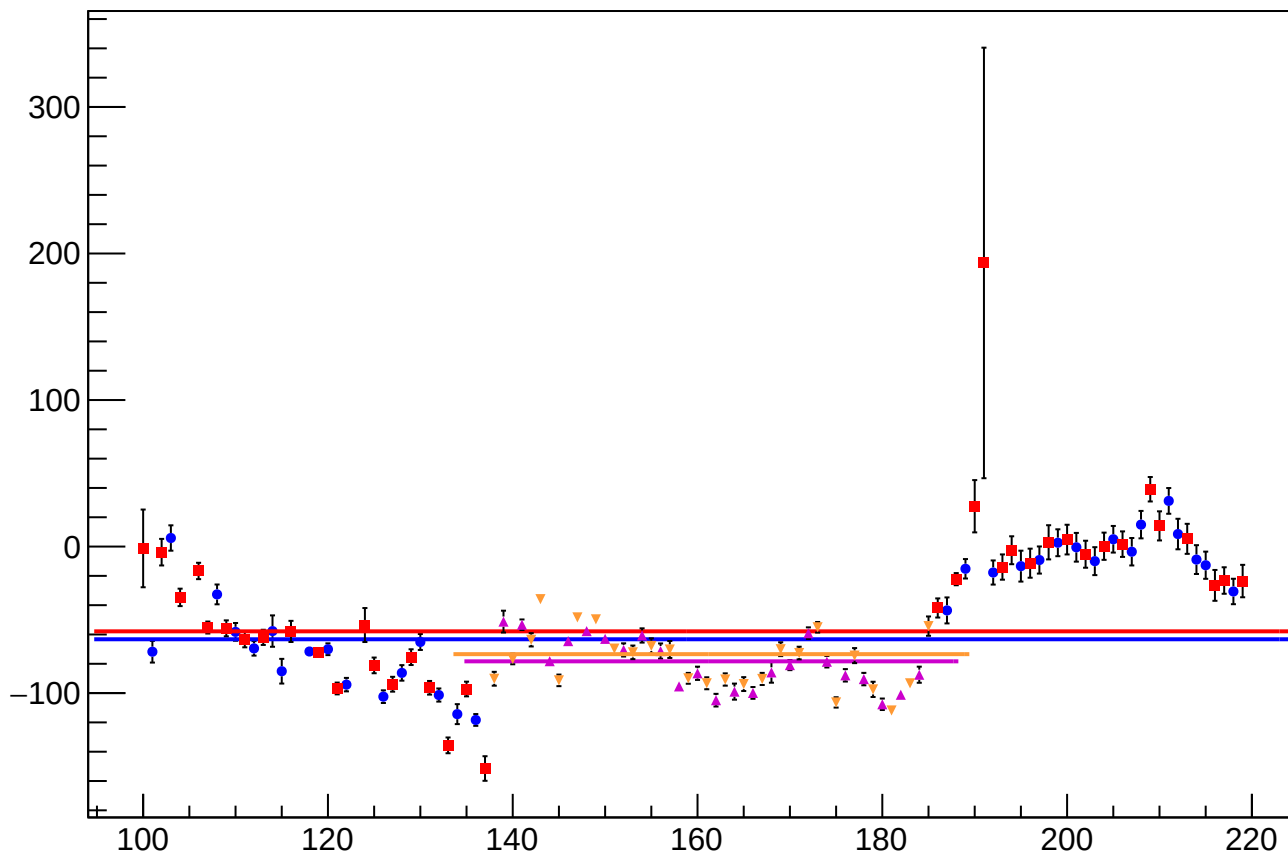
Left In: -215.938 ± 0.946 $\chi^2/\text{NDF}: 1711.9/22$

+ sign -219.226 ± 0.626 $\chi^2/\text{NDF}: 5550.5/56$

All: -222.925 ± 0.433 $\chi^2/\text{NDF}: 14203.7/116$

- sign -226.328 ± 0.601 $\chi^2/\text{NDF}: 8586.3/59$

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug



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Left Out: -73.426 ± 0.767 $\chi^2/\text{NDF}: 836.6/24$

Right Out: -57.855 ± 1.056 $\chi^2/\text{NDF}: 1397.2/36$

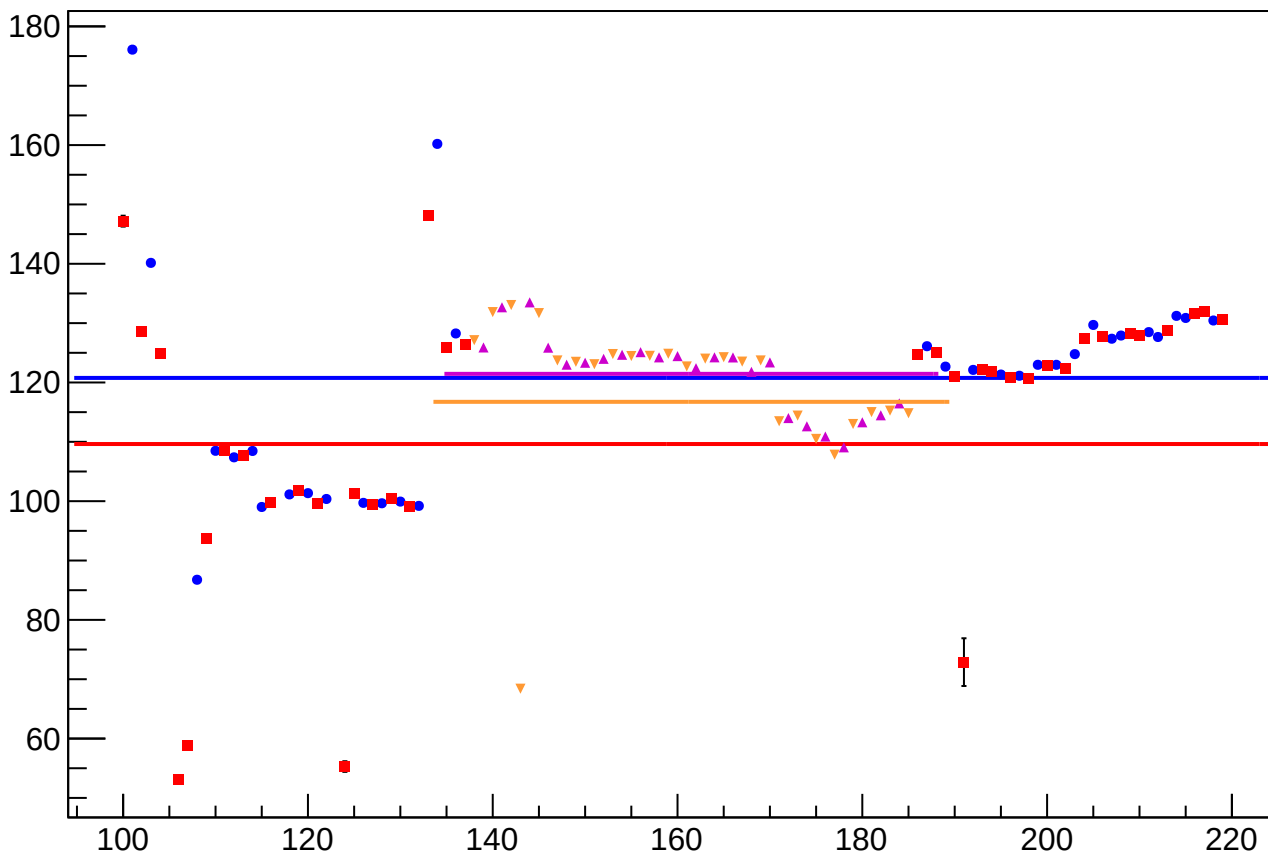
Left In: -78.329 ± 0.817 $\chi^2/\text{NDF}: 443.2/22$

+ sign -70.175 ± 0.632 $\chi^2/\text{NDF}: 2131.9/56$

All: -70.410 ± 0.452 $\chi^2/\text{NDF}: 4207.8/116$

- sign -70.656 ± 0.646 $\chi^2/\text{NDF}: 2075.6/59$

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug



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Left Out: 116.740 $\pm$ 0.036 χ^2 /NDF: 203650.9/24

Right Out: 109.630 $\pm$ 0.054 χ^2 /NDF: 217880.5/36

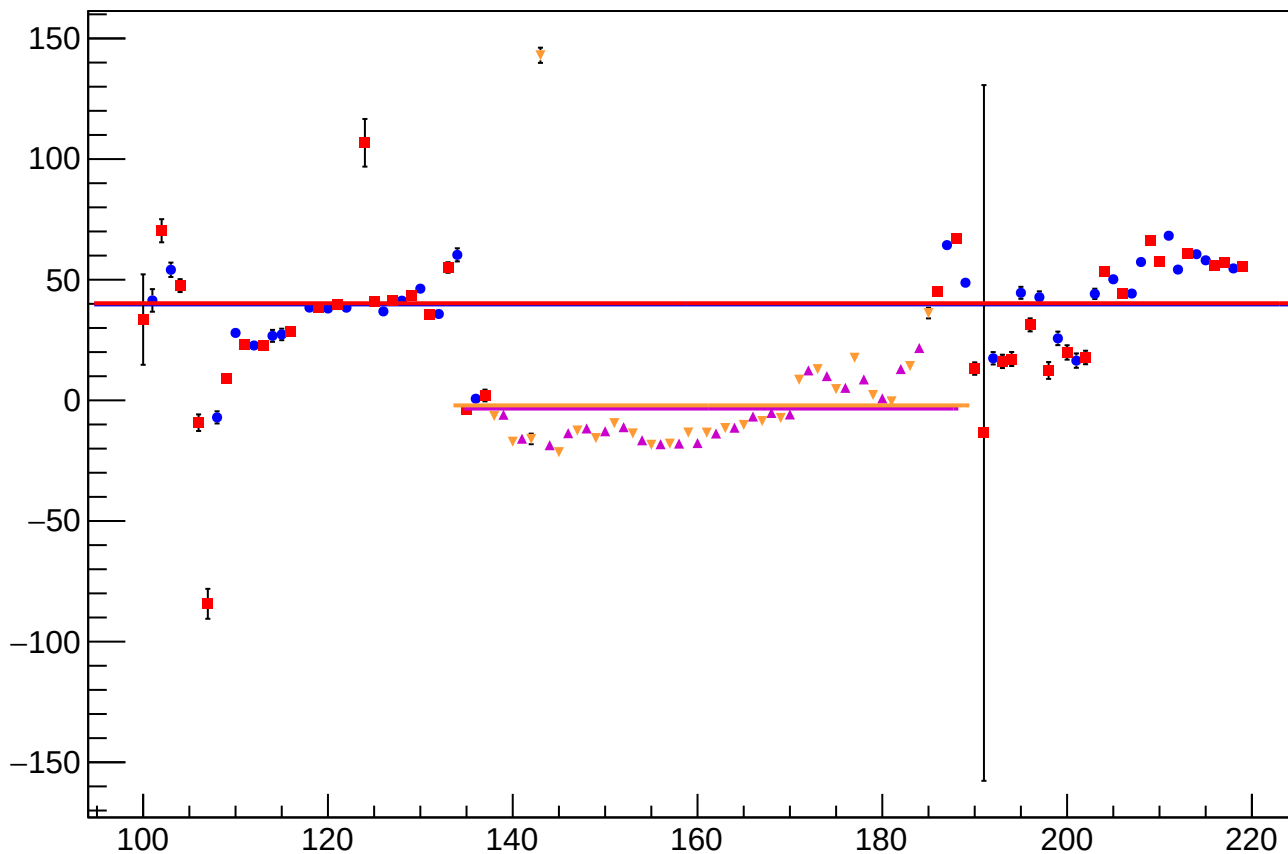
Left In: 121.455 $\pm$ 0.037 χ^2 /NDF: 28796.4/22

+ sign 117.831 $\pm$ 0.031 χ^2 /NDF: 307371.3/56

All: 117.745 $\pm$ 0.022 χ^2 /NDF: 586388.2/116

- sign 117.659 $\pm$ 0.031 χ^2 /NDF: 279001.1/59

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug



Right In: 39.768 ± 0.311 χ^2/NDF : 3388.4/31

Left Out: -2.091 ± 0.267 χ^2/NDF : 4201.3/24

Right Out: 40.249 ± 0.282 χ^2/NDF : 5579.2/36

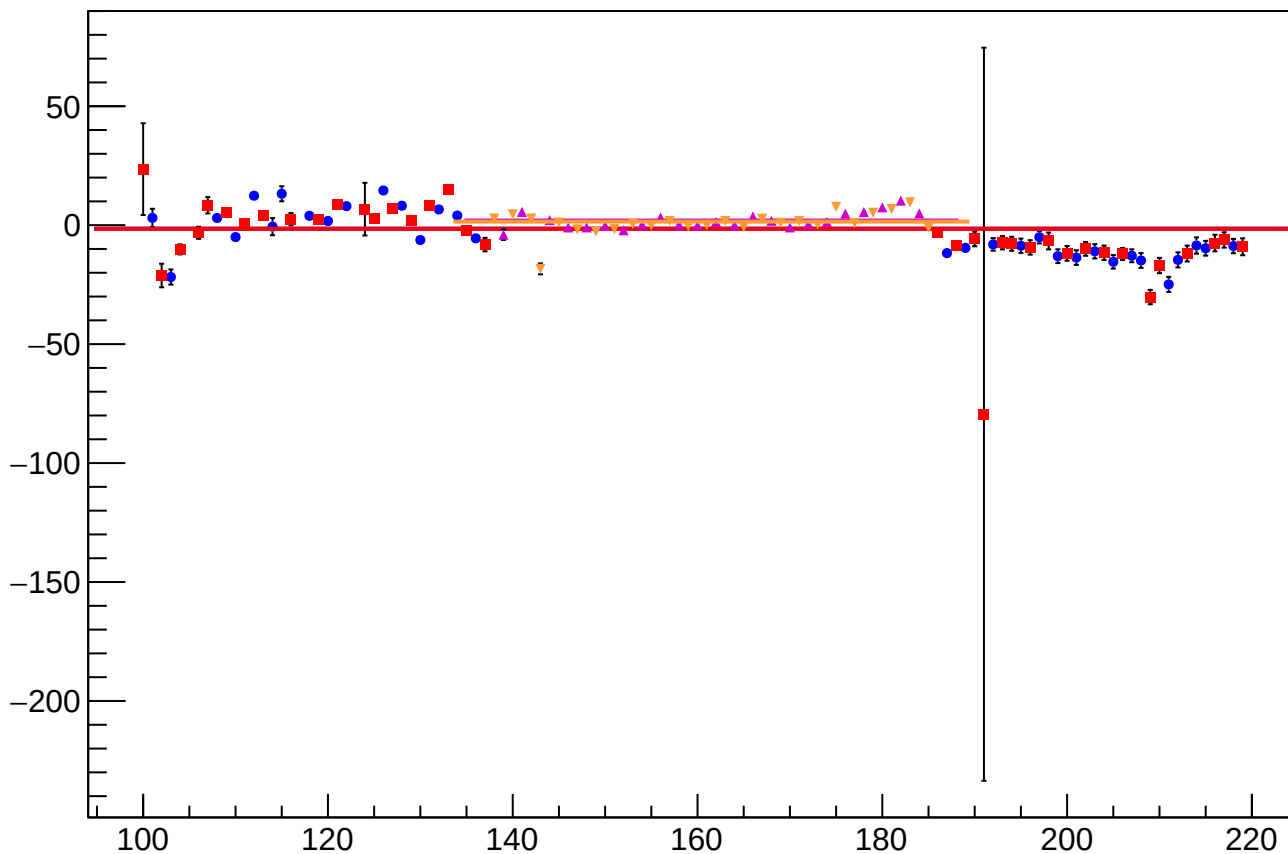
Left In: -3.391 ± 0.271 χ^2/NDF : 1752.8/22

+ sign 15.642 ± 0.203 χ^2/NDF : 18020.1/56

All: 16.628 ± 0.141 χ^2/NDF : 37813.4/116

- sign 17.548 ± 0.196 χ^2/NDF : 19747.5/59

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -1.467 ± 0.368 χ^2/NDF : 604.7/31

Left Out: 1.489 ± 0.205 χ^2/NDF : 328.6/24

Right Out: -1.527 ± 0.346 χ^2/NDF : 548.4/36

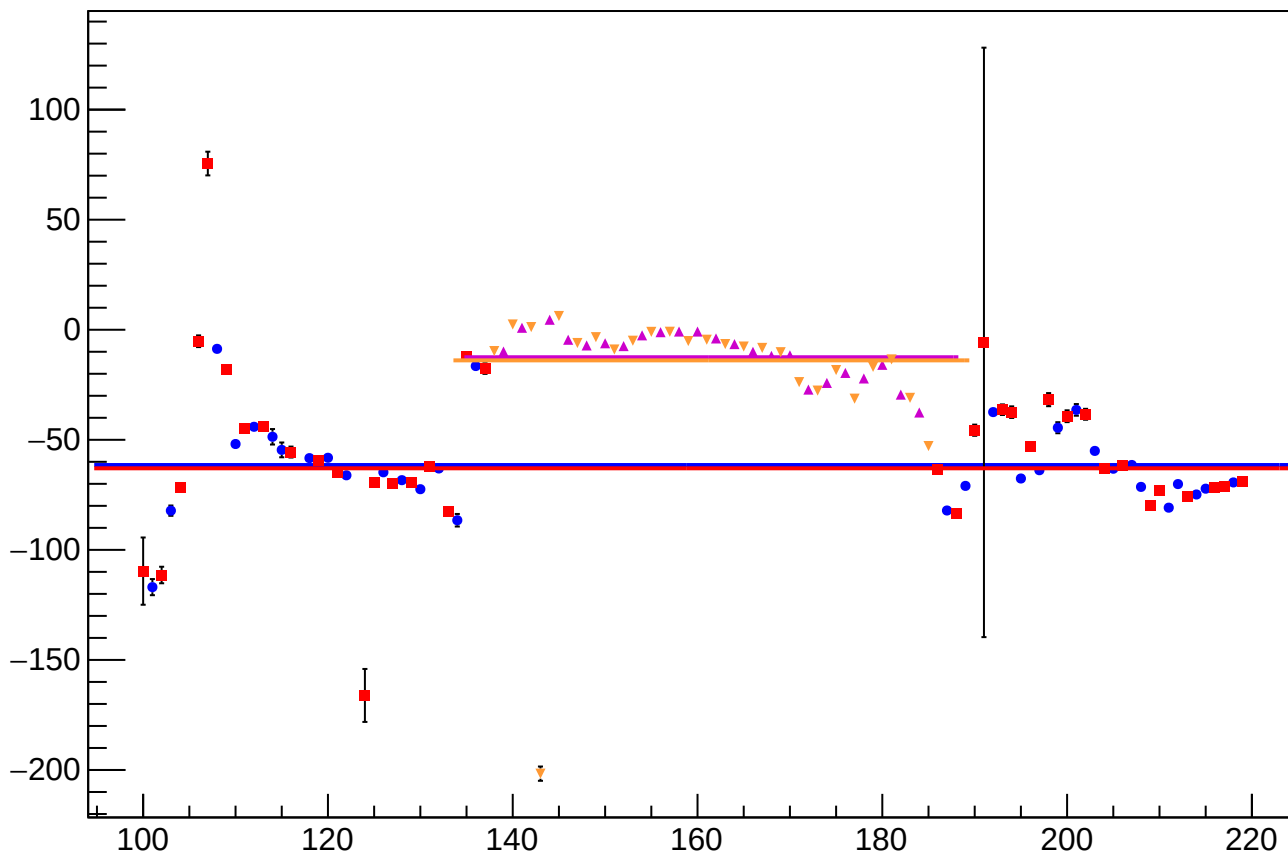
Left In: 1.933 ± 0.210 χ^2/NDF : 240.7/22

+ sign 0.791 ± 0.179 χ^2/NDF : 982.4/56

All: 0.894 ± 0.127 χ^2/NDF : 1845.2/116

- sign 0.999 ± 0.180 χ^2/NDF : 862.1/59

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -61.460 ± 0.324 χ^2/NDF : 3682.8/31

Left Out: -13.908 ± 0.265 χ^2/NDF : 5128.3/24

Right Out: -62.948 ± 0.282 χ^2/NDF : 5722.2/36

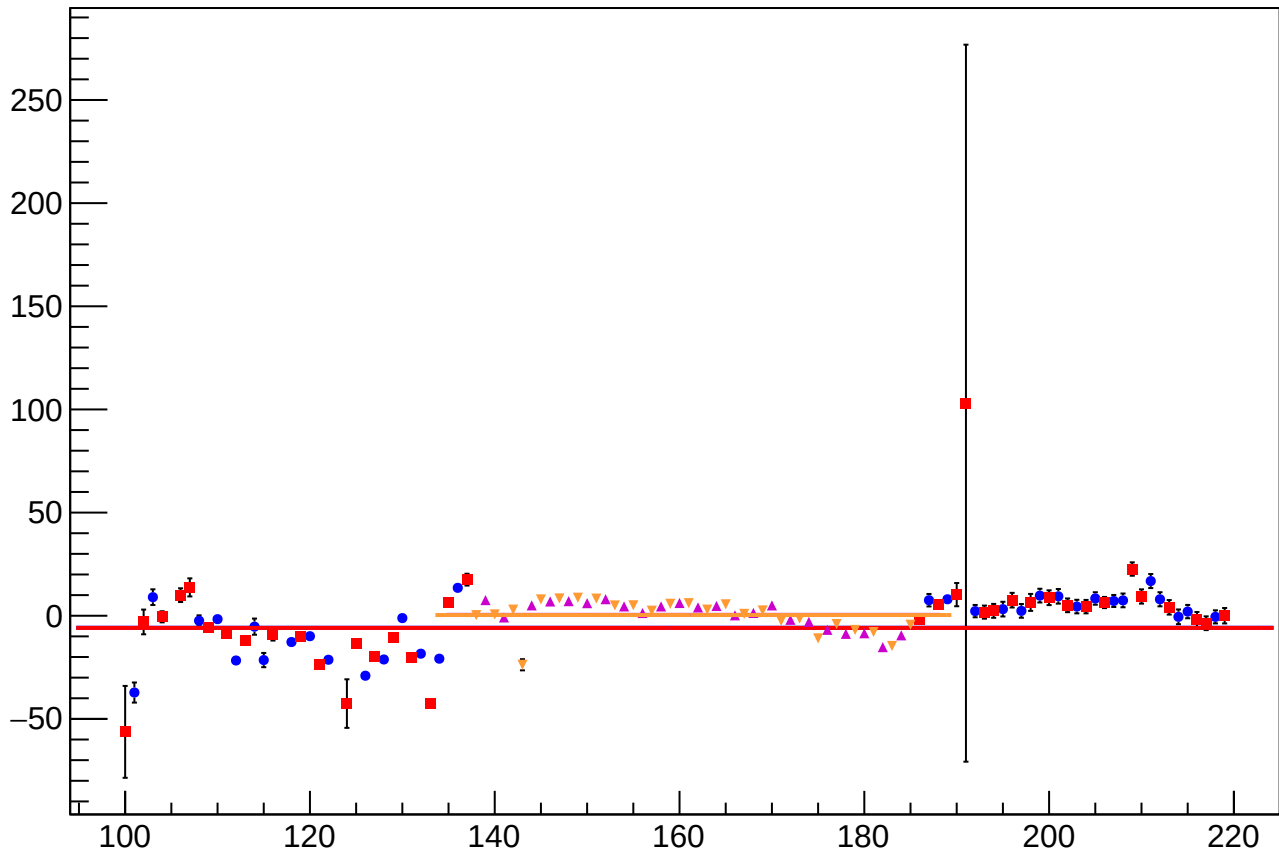
Left In: -12.494 ± 0.269 χ^2/NDF : 1430.3/22

+ sign -32.969 ± 0.205 χ^2/NDF : 21747.0/56

All: -34.830 ± 0.141 χ^2/NDF : 45836.8/116

- sign -36.507 ± 0.195 χ^2/NDF : 23933.1/59

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -5.810 ± 0.426 χ^2/NDF : 1012.8/31

Left Out: 0.345 ± 0.231 χ^2/NDF : 921.9/24

Right Out: -5.894 ± 0.412 χ^2/NDF : 1054.4/36

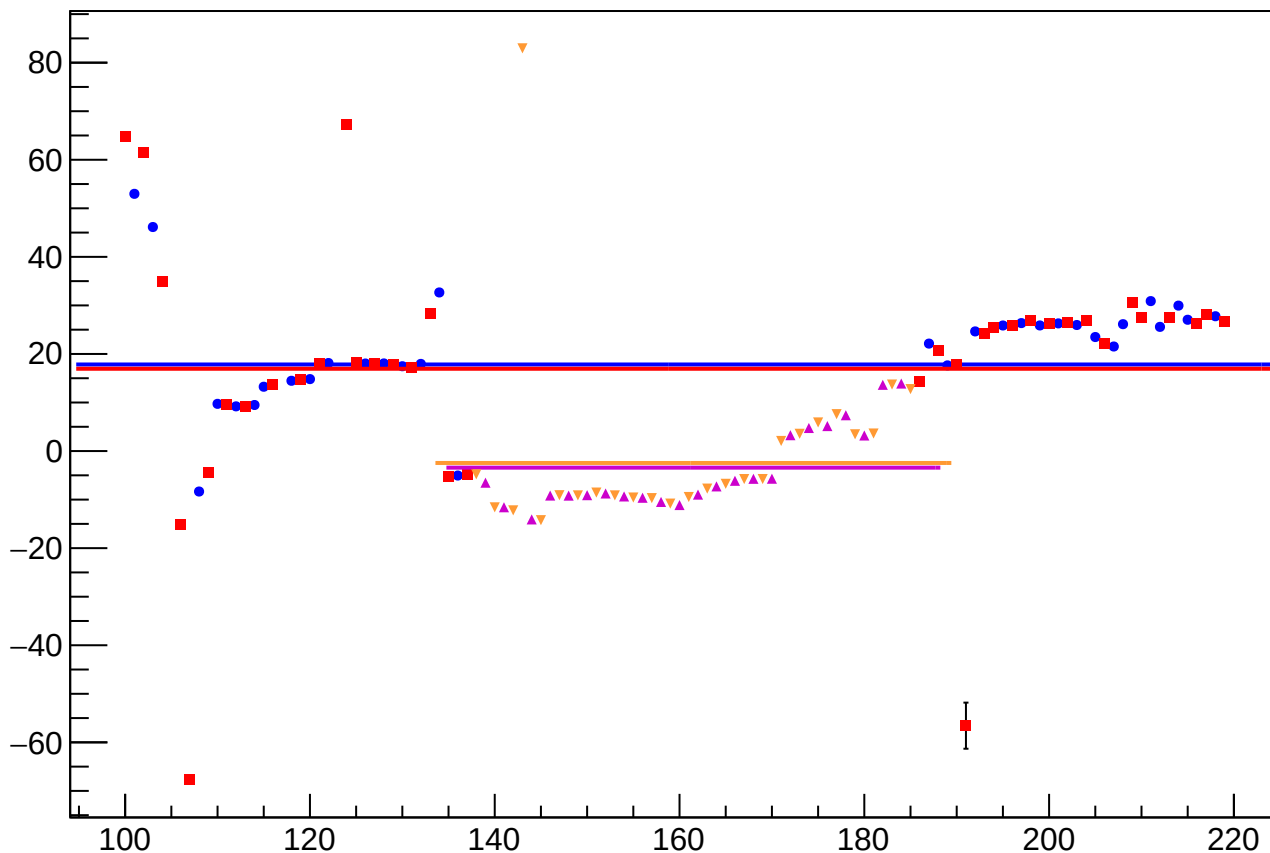
Left In: 0.433 ± 0.237 χ^2/NDF : 782.1/22

+ sign -1.058 ± 0.203 χ^2/NDF : 2096.0/56

All: -1.096 ± 0.144 χ^2/NDF : 4109.6/116

- sign -1.134 ± 0.205 χ^2/NDF : 2013.5/59

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 17.831 ± 0.022 $\chi^2/\text{NDF}: 458451.1/31$

Left Out: -2.452 ± 0.010 $\chi^2/\text{NDF}: 961833.3/24$

Right Out: 16.952 ± 0.021 $\chi^2/\text{NDF}: 582896.6/36$

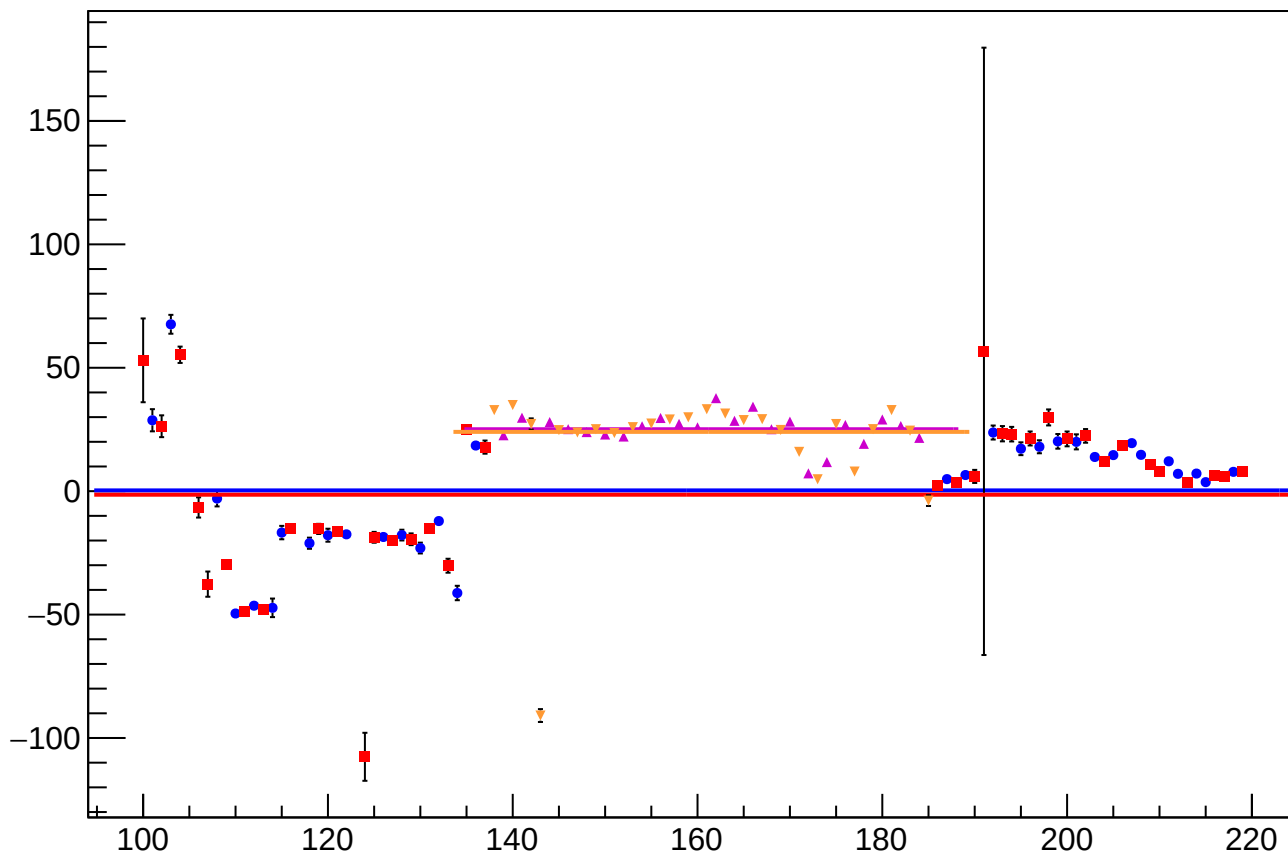
Left In: -3.418 ± 0.010 $\chi^2/\text{NDF}: 546802.2/22$

+ sign 1.344 ± 0.009 $\chi^2/\text{NDF}: 2138569.6/56$

All: 0.915 ± 0.007 $\chi^2/\text{NDF}: 4001217.2/116$

- sign 0.481 ± 0.009 $\chi^2/\text{NDF}: 1858404.5/59$

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



Right In: 0.313 ± 0.347 χ^2/NDF : 3733.1/31

Left Out: 24.025 ± 0.282 χ^2/NDF : 2802.2/24

Right Out: -1.434 ± 0.332 χ^2/NDF : 3970.4/36

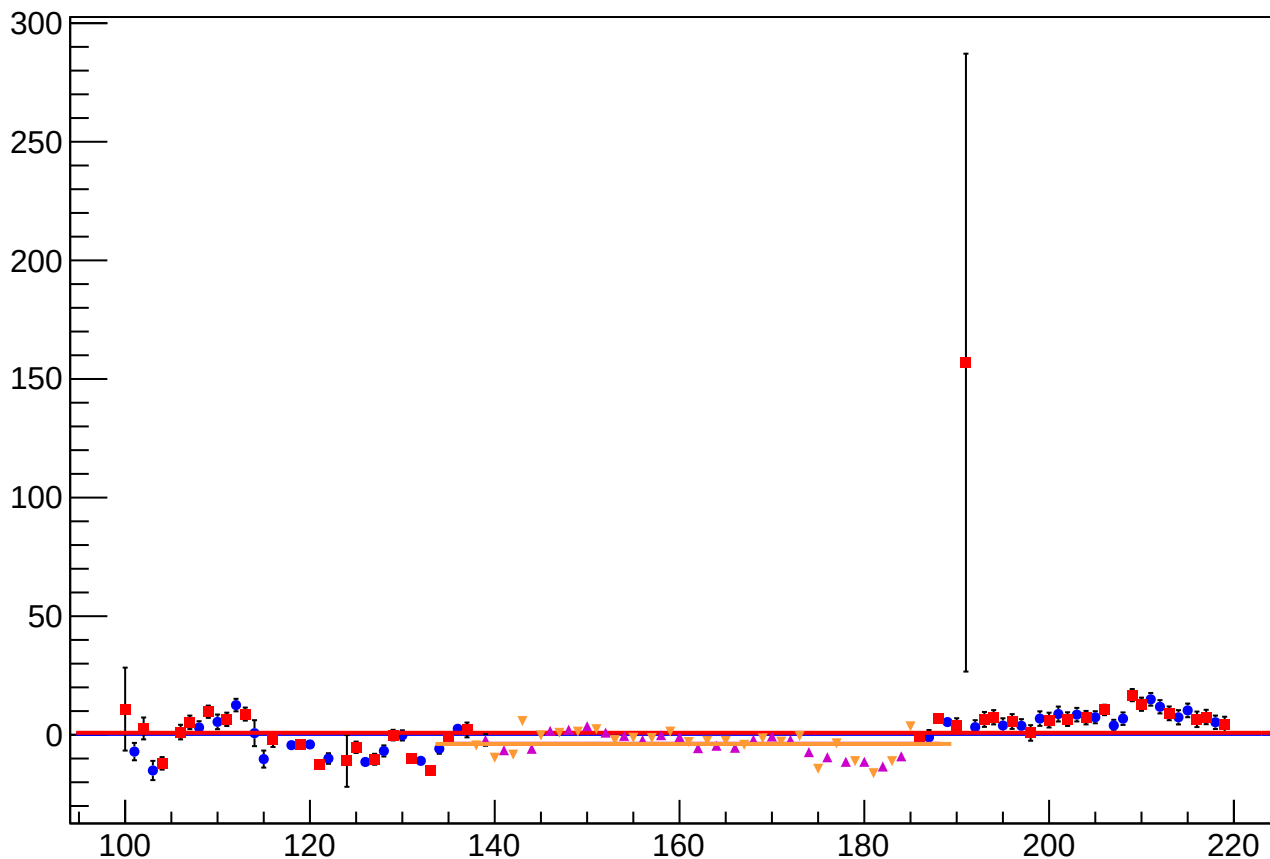
Left In: 25.089 ± 0.287 χ^2/NDF : 495.3/22

+ sign 14.600 ± 0.219 χ^2/NDF : 9345.2/56

All: 14.155 ± 0.154 χ^2/NDF : 17475.2/116

- sign 13.718 ± 0.217 χ^2/NDF : 8121.9/59

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 0.381 ± 0.431 χ^2/NDF : 289.6/31

Left Out: -3.845 ± 0.218 χ^2/NDF : 649.4/24

Right Out: 0.852 ± 0.417 χ^2/NDF : 364.6/36

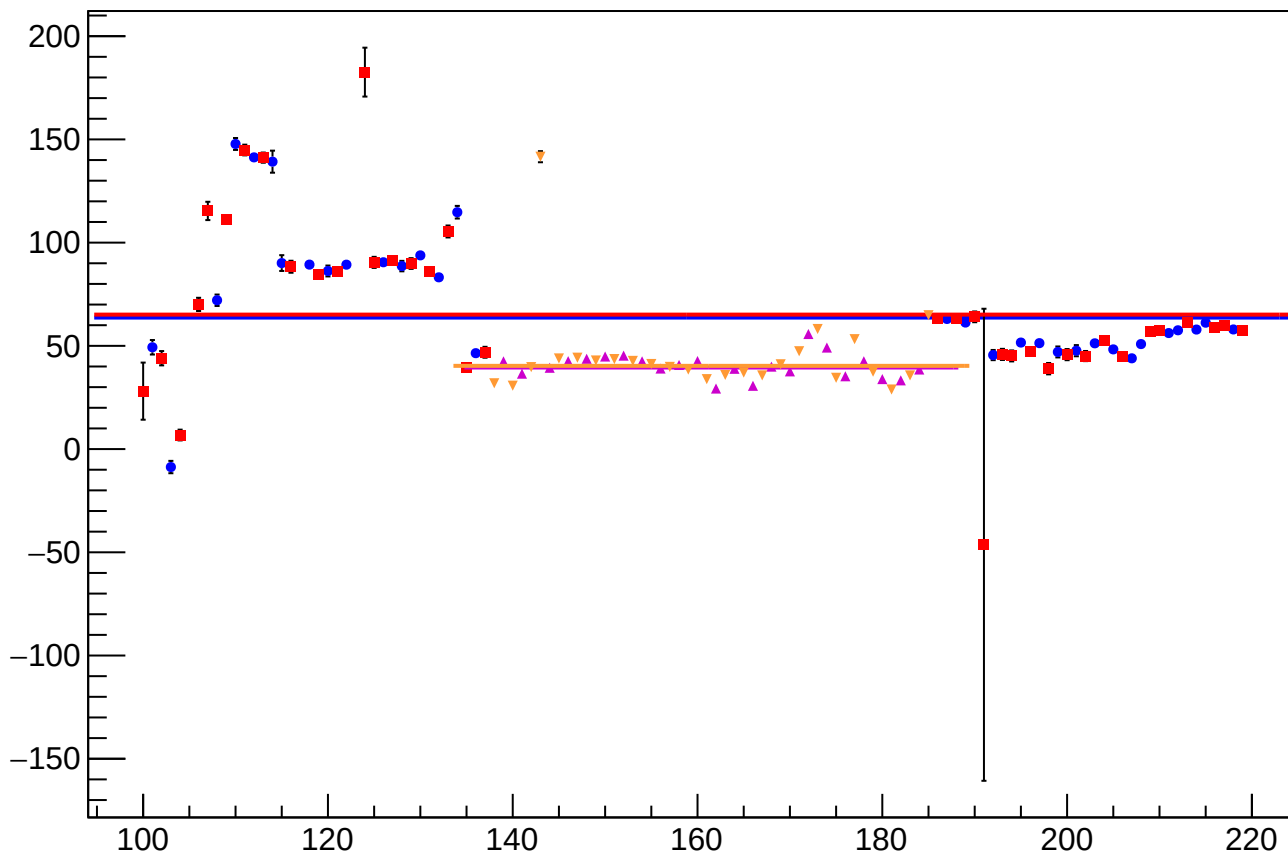
Left In: -3.780 ± 0.224 χ^2/NDF : 509.8/22

+ sign -2.985 ± 0.194 χ^2/NDF : 1015.5/56

All: -2.866 ± 0.138 χ^2/NDF : 1986.7/116

- sign -2.744 ± 0.197 χ^2/NDF : 970.4/59

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 63.697 ± 0.359 χ^2/NDF : 4688.9/31

Left Out: 40.315 ± 0.280 χ^2/NDF : 2182.8/24

Right Out: 65.131 ± 0.335 χ^2/NDF : 4872.8/36

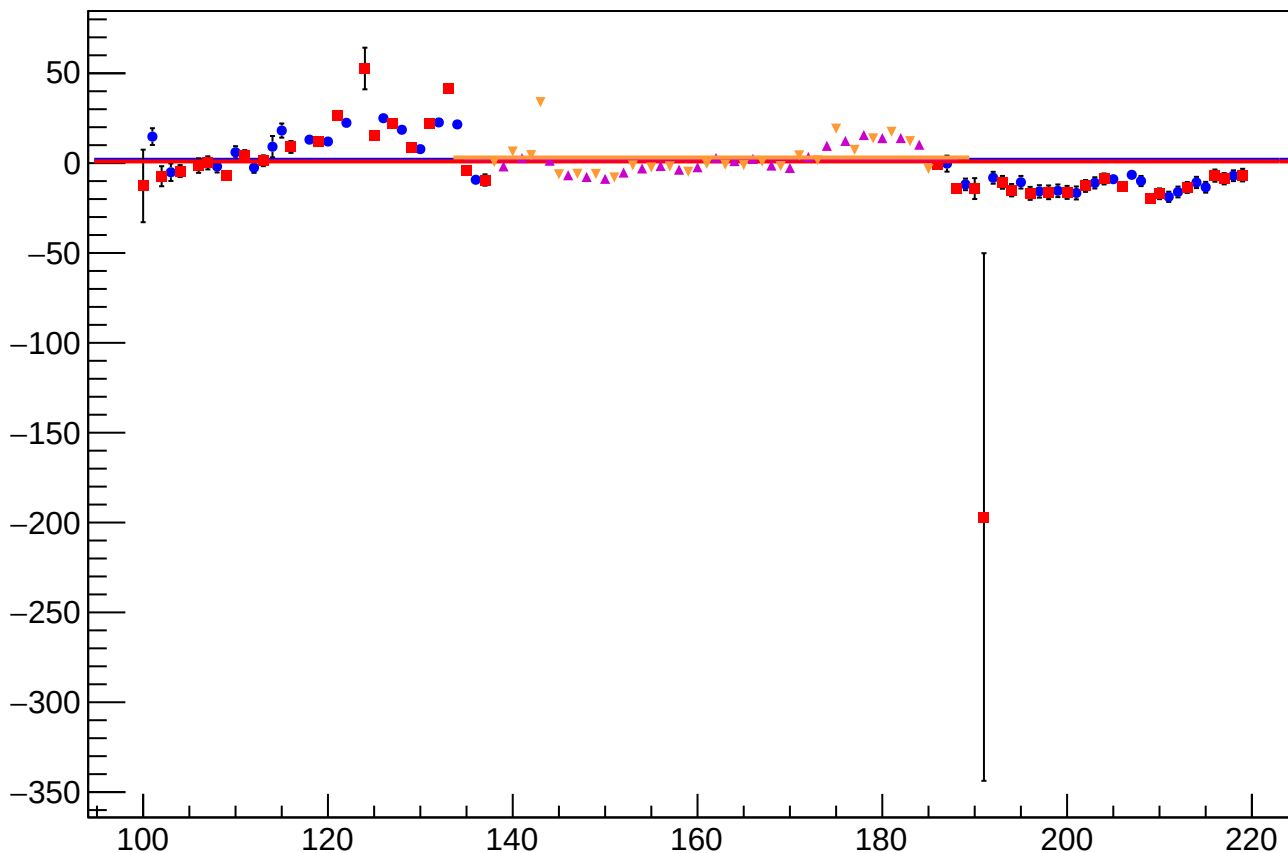
Left In: 39.504 ± 0.285 χ^2/NDF : 432.1/22

+ sign 49.158 ± 0.221 χ^2/NDF : 9506.2/56

All: 49.709 ± 0.155 χ^2/NDF : 18217.2/116

- sign 50.240 ± 0.217 χ^2/NDF : 8698.8/59

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 1.871 ± 0.489 χ^2/NDF : 859.3/31

Left Out: 3.142 ± 0.245 χ^2/NDF : 1267.0/24

Right Out: 0.943 ± 0.485 χ^2/NDF : 1047.0/36

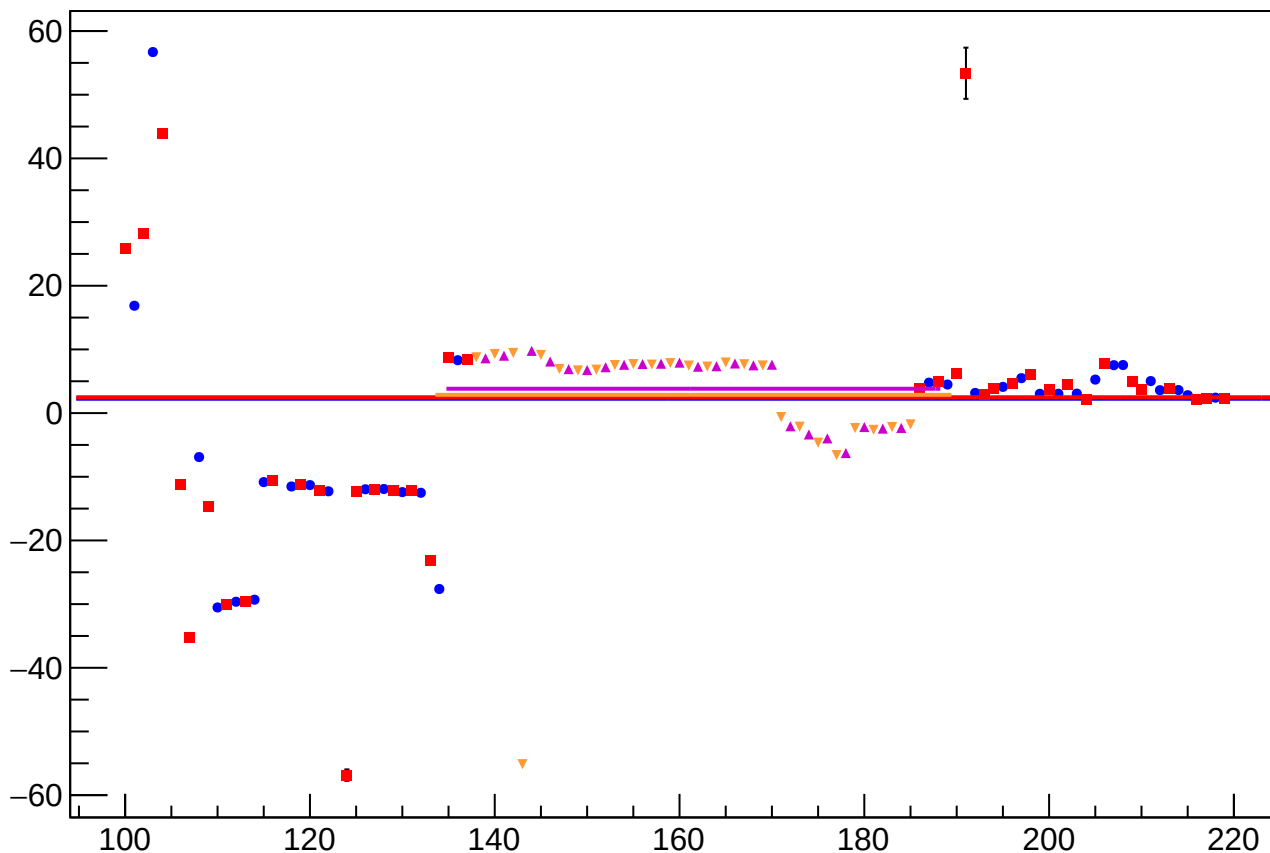
Left In: 2.519 ± 0.251 χ^2/NDF : 968.2/22

+ sign 2.886 ± 0.219 χ^2/NDF : 2131.7/56

All: 2.542 ± 0.156 χ^2/NDF : 4160.2/116

- sign 2.185 ± 0.223 χ^2/NDF : 2023.5/59

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug



Right In: 2.256 $\pm$ 0.023 χ^2 /NDF: 383015.4/31

Left Out: 2.870 $\pm$ 0.011 χ^2 /NDF: 512331.0/24

Right Out: 2.488 $\pm$ 0.023 χ^2 /NDF: 330763.0/36

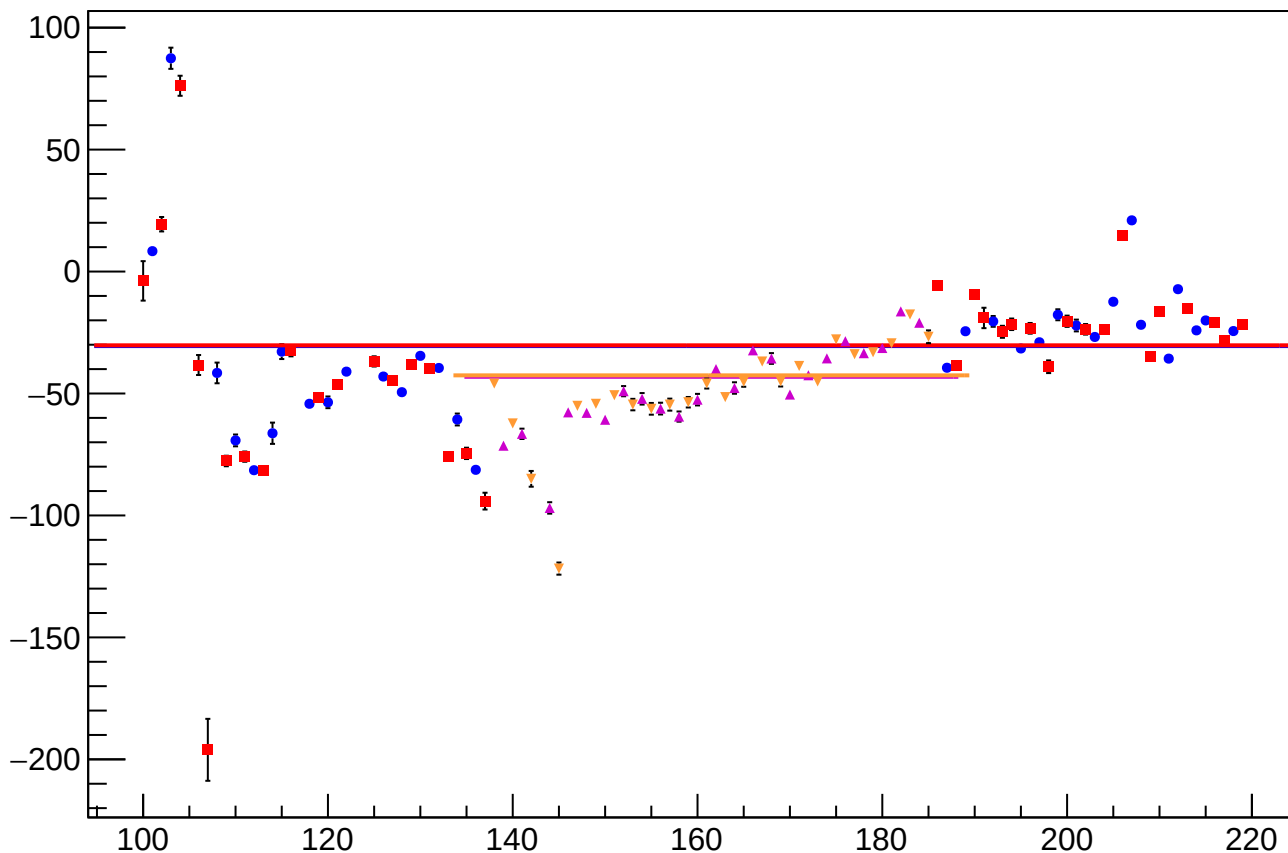
Left In: 3.825 $\pm$ 0.011 χ^2 /NDF: 233224.7/22

+ sign 2.759 $\pm$ 0.010 χ^2 /NDF: 895914.1/56

All: 3.165 $\pm$ 0.007 χ^2 /NDF: 1465947.4/116

- sign 3.579 $\pm$ 0.010 χ^2 /NDF: 566654.6/59

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -30.558 ± 0.318 χ^2/NDF : 5447.7/31

Left Out: -42.560 ± 0.378 χ^2/NDF : 2326.4/23

Right Out: -30.246 ± 0.295 χ^2/NDF : 6589.8/35

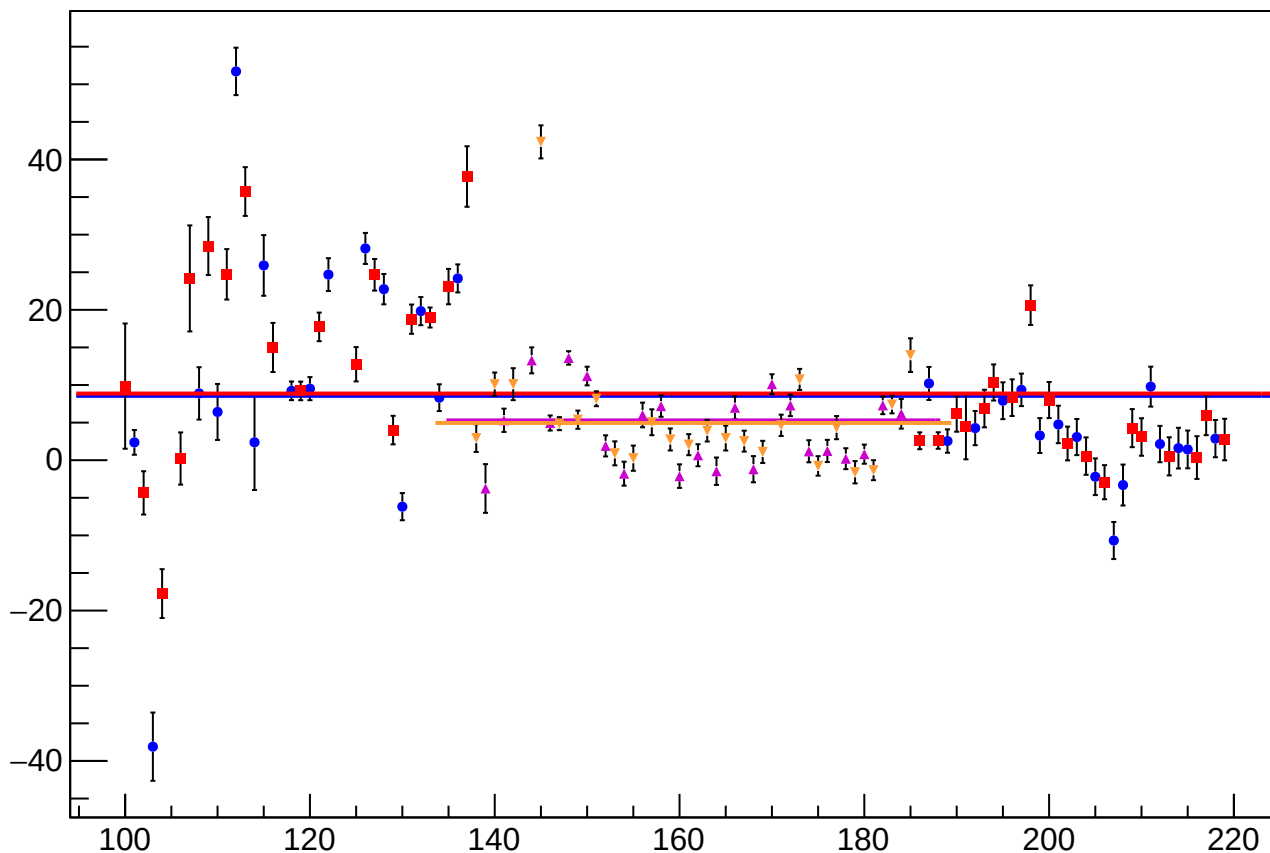
Left In: -43.152 ± 0.382 χ^2/NDF : 2206.6/22

+ sign -35.536 ± 0.244 χ^2/NDF : 8363.1/55

All: -35.299 ± 0.169 χ^2/NDF : 17876.9/114

- sign -35.082 ± 0.234 χ^2/NDF : 9511.9/58

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 8.563 ± 0.387 χ^2/NDF : 852.8/31

Left Out: 4.954 ± 0.288 χ^2/NDF : 449.1/23

Right Out: 8.865 ± 0.366 χ^2/NDF : 647.4/35

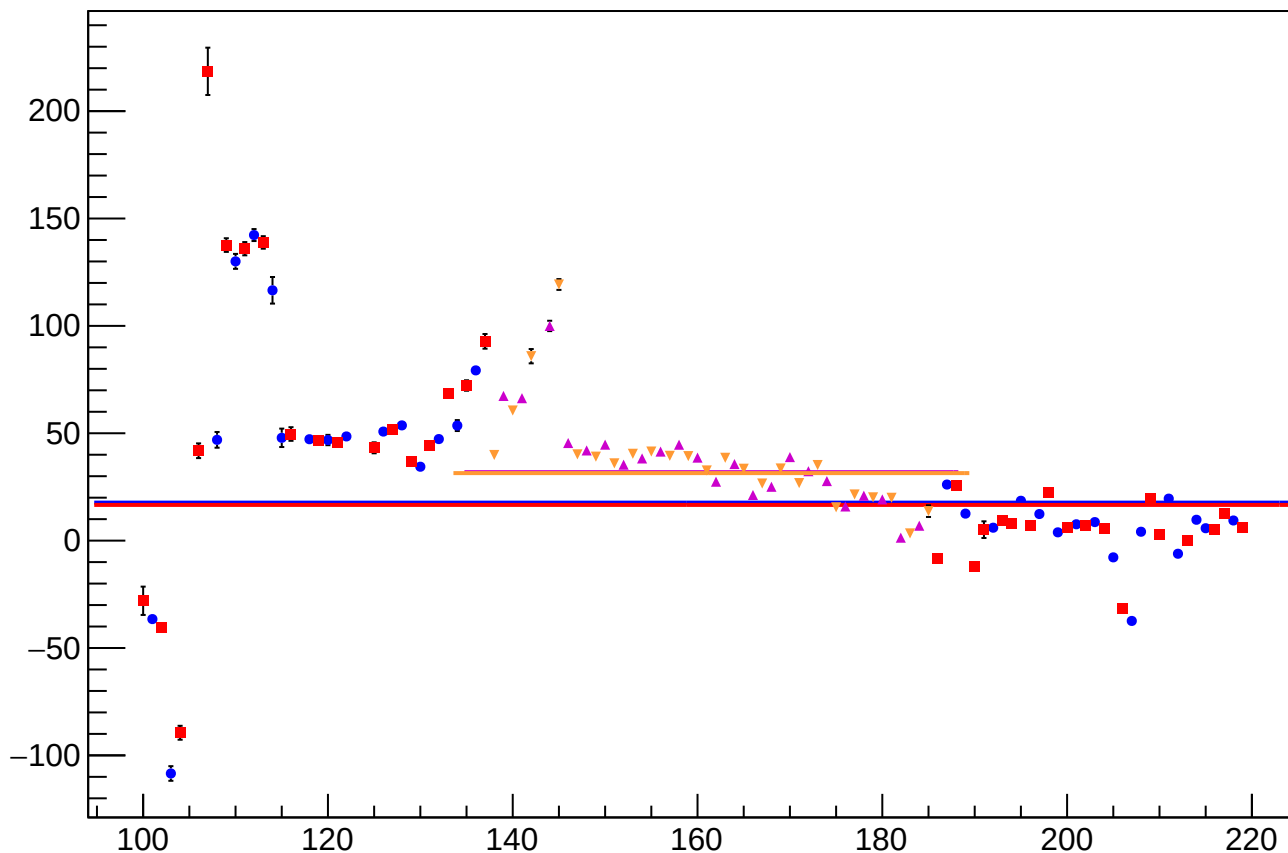
Left In: 5.292 ± 0.294 χ^2/NDF : 286.4/22

+ sign 6.242 ± 0.231 χ^2/NDF : 1357.7/55

All: 6.471 ± 0.163 χ^2/NDF : 2351.3/114

- sign 6.696 ± 0.229 χ^2/NDF : 991.7/58

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 17.698 $\pm$ 0.320 χ^2 /NDF: 11171.3/31

Left Out: 31.439 $\pm$ 0.376 χ^2 /NDF: 2762.0/23

Right Out: 16.635 $\pm$ 0.286 χ^2 /NDF: 12932.8/35

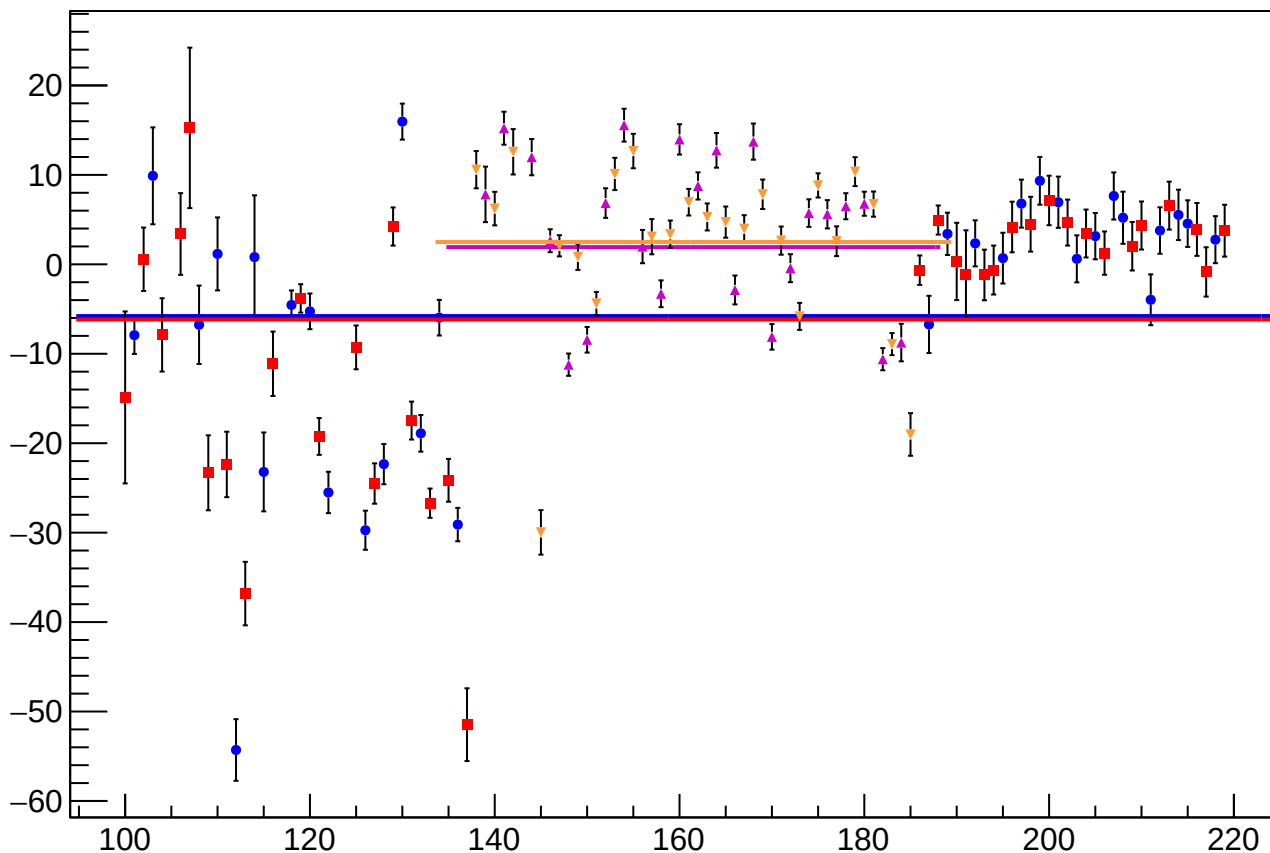
Left In: 31.895 $\pm$ 0.378 χ^2 /NDF: 2767.3/22

+ sign 23.477 $\pm$ 0.244 χ^2 /NDF: 14709.1/55

All: 22.790 $\pm$ 0.166 χ^2 /NDF: 31460.1/114

- sign 22.188 $\pm$ 0.228 χ^2 /NDF: 16736.1/58

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -5.785 ± 0.448 χ^2/NDF : 1006.8/31

Left Out: 2.494 ± 0.327 χ^2/NDF : 558.7/23

Right Out: -6.179 ± 0.437 χ^2/NDF : 858.6/35

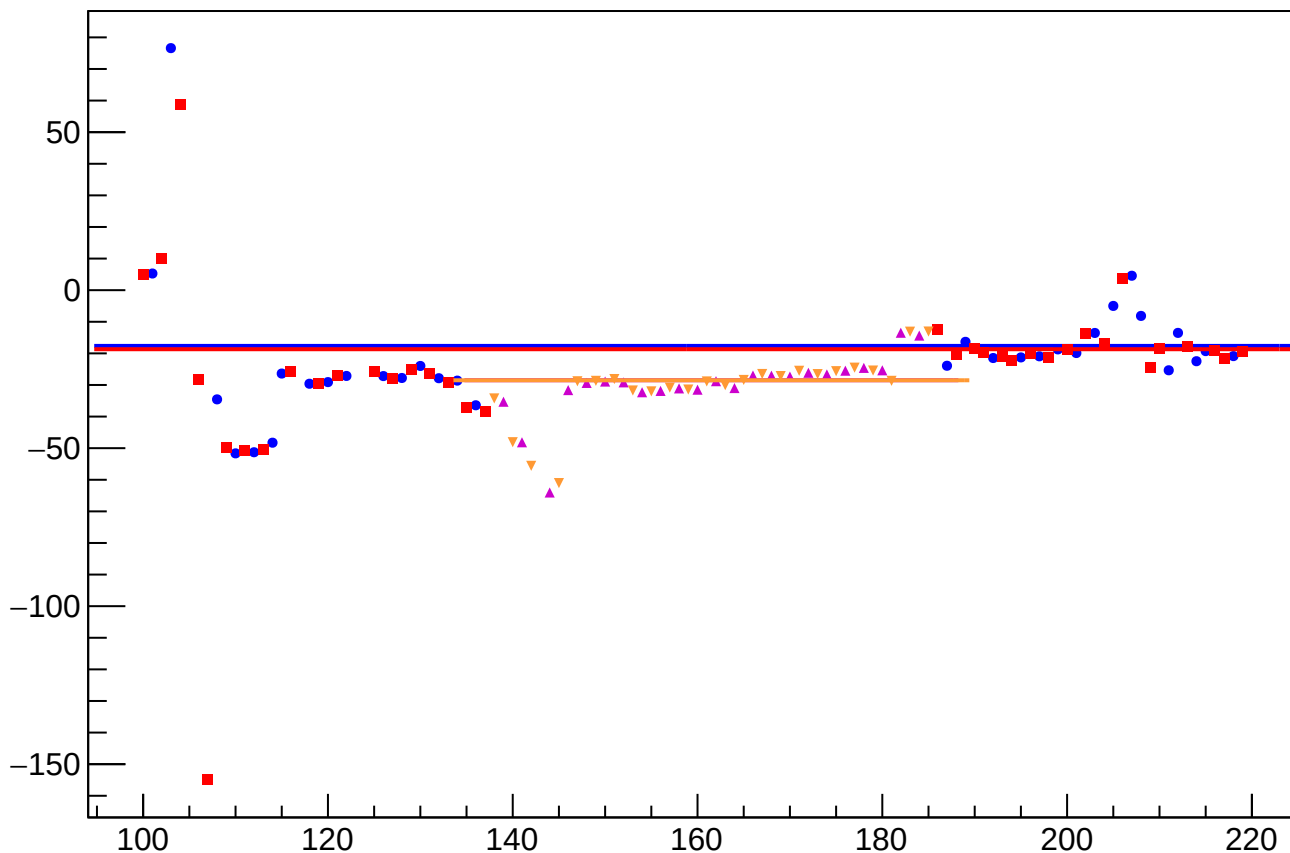
Left In: 1.921 ± 0.332 χ^2/NDF : 678.8/22

+ sign -0.379 ± 0.264 χ^2/NDF : 1788.3/55

All: -0.712 ± 0.187 χ^2/NDF : 3547.0/114

- sign -1.046 ± 0.264 χ^2/NDF : 1755.5/58

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -17.637 ± 0.021 χ^2/NDF : 732910.2/31

Left Out: -28.513 ± 0.015 χ^2/NDF : 333774.3/23

Right Out: -18.688 ± 0.021 χ^2/NDF : 625747.0/35

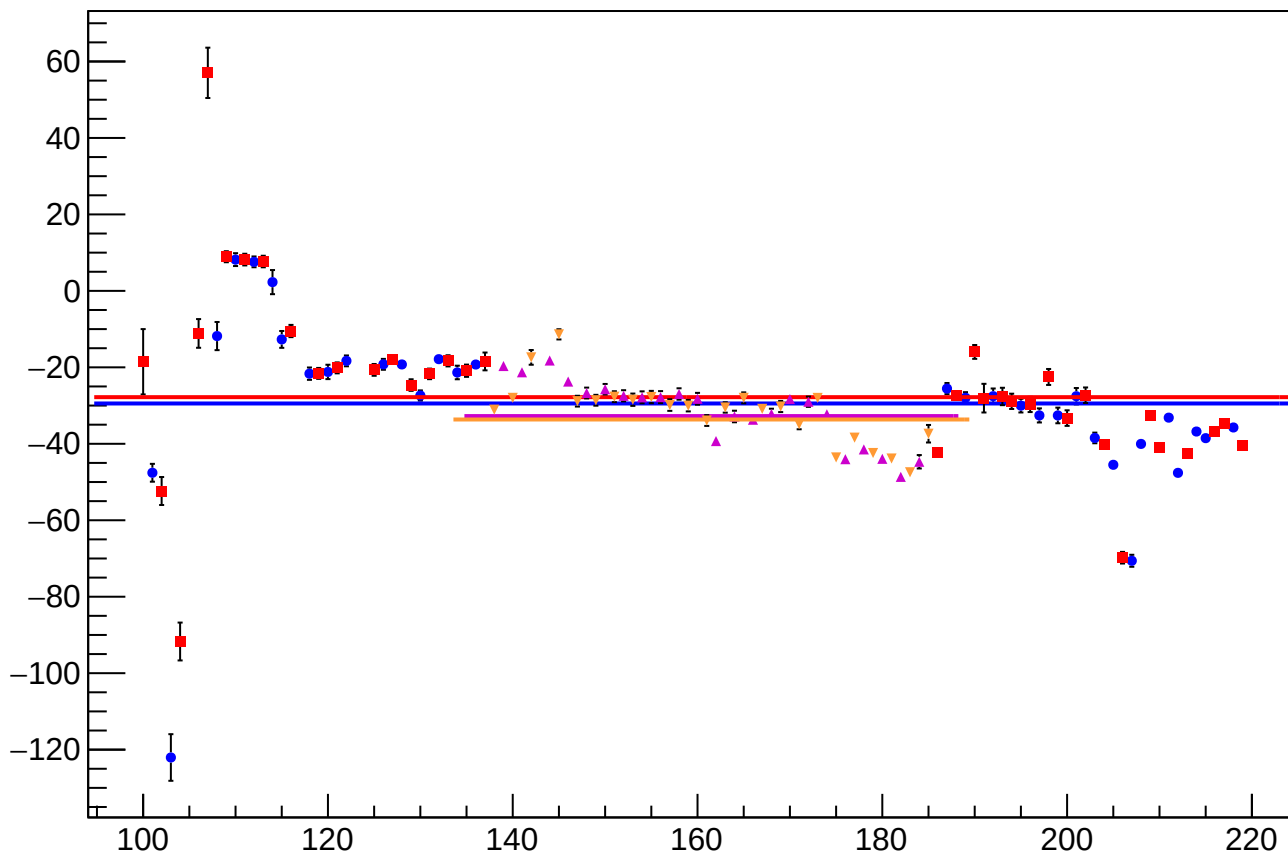
Left In: -28.495 ± 0.015 χ^2/NDF : 287757.4/22

+ sign -24.938 ± 0.012 χ^2/NDF : 1245021.9/55

All: -25.048 ± 0.009 χ^2/NDF : 2307974.4/114

- sign -25.157 ± 0.012 χ^2/NDF : 1062787.7/58

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -29.455 ± 0.257 χ^2/NDF : 3514.0/31

Left Out: -33.643 ± 0.265 χ^2/NDF : 1015.9/23

Right Out: -27.801 ± 0.250 χ^2/NDF : 4140.7/35

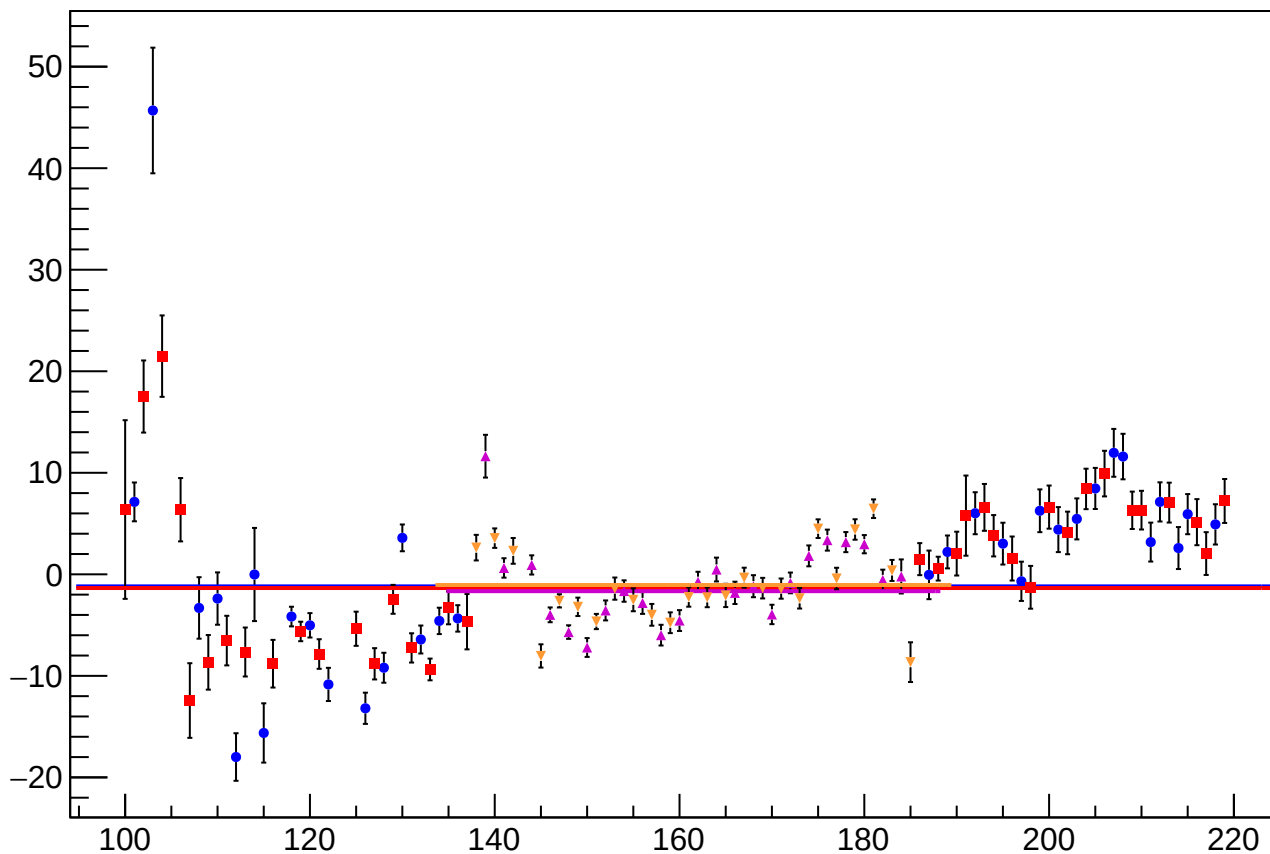
Left In: -32.750 ± 0.269 χ^2/NDF : 1143.5/22

+ sign -31.483 ± 0.184 χ^2/NDF : 4658.6/55

All: -30.783 ± 0.130 χ^2/NDF : 10153.4/114

- sign -30.095 ± 0.183 χ^2/NDF : 5466.3/58

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.188 ± 0.315 $\chi^2/\text{NDF}: 524.9/31$

Left Out: -1.050 ± 0.203 $\chi^2/\text{NDF}: 289.4/23$

Right Out: -1.349 ± 0.311 $\chi^2/\text{NDF}: 430.8/35$

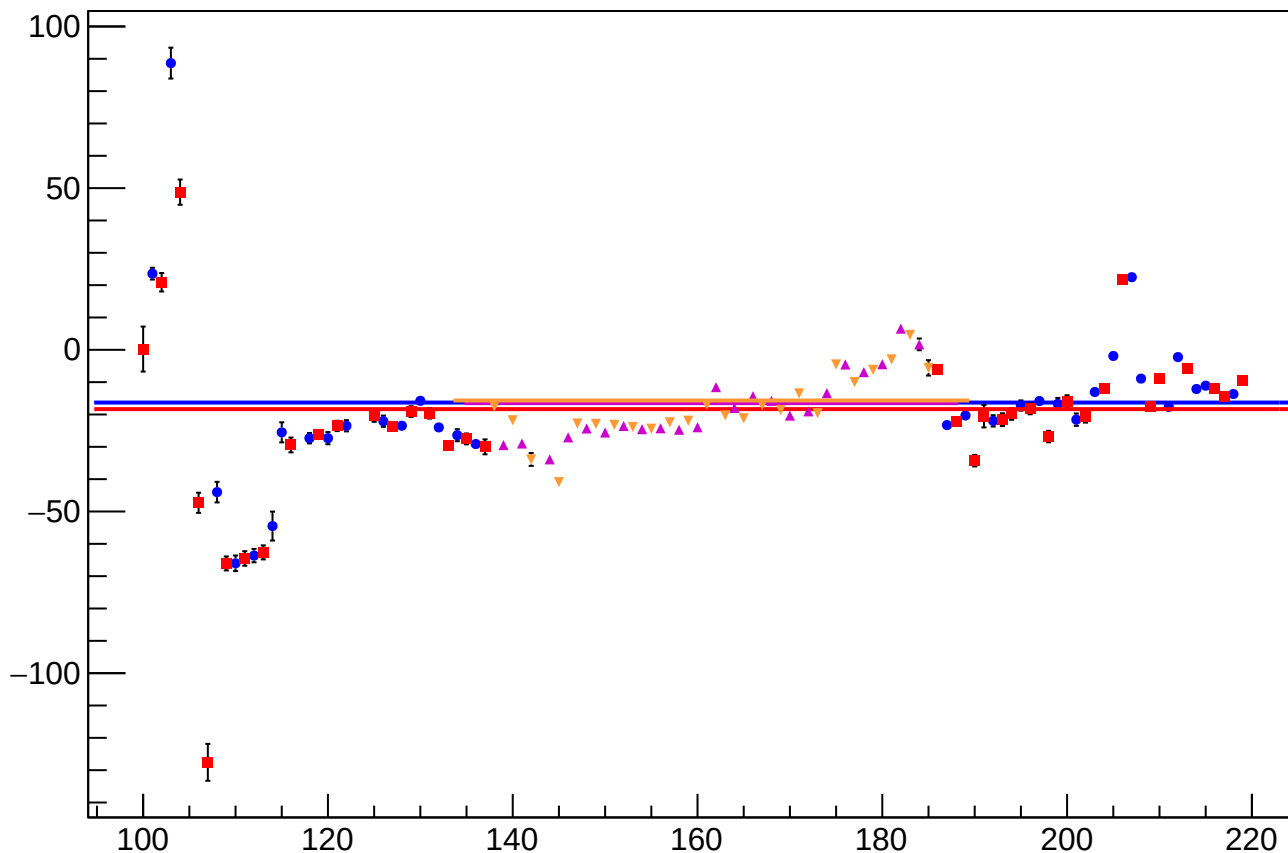
Left In: -1.659 ± 0.207 $\chi^2/\text{NDF}: 264.4/22$

+ sign -1.090 ± 0.171 $\chi^2/\text{NDF}: 814.5/55$

All: -1.325 ± 0.121 $\chi^2/\text{NDF}: 1514.1/114$

- sign -1.564 ± 0.172 $\chi^2/\text{NDF}: 695.9/58$

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -16.313 ± 0.267 χ^2/NDF : 3480.2/31

Left Out: -15.674 ± 0.263 χ^2/NDF : 1520.8/23

Right Out: -18.343 ± 0.255 χ^2/NDF : 3811.5/35

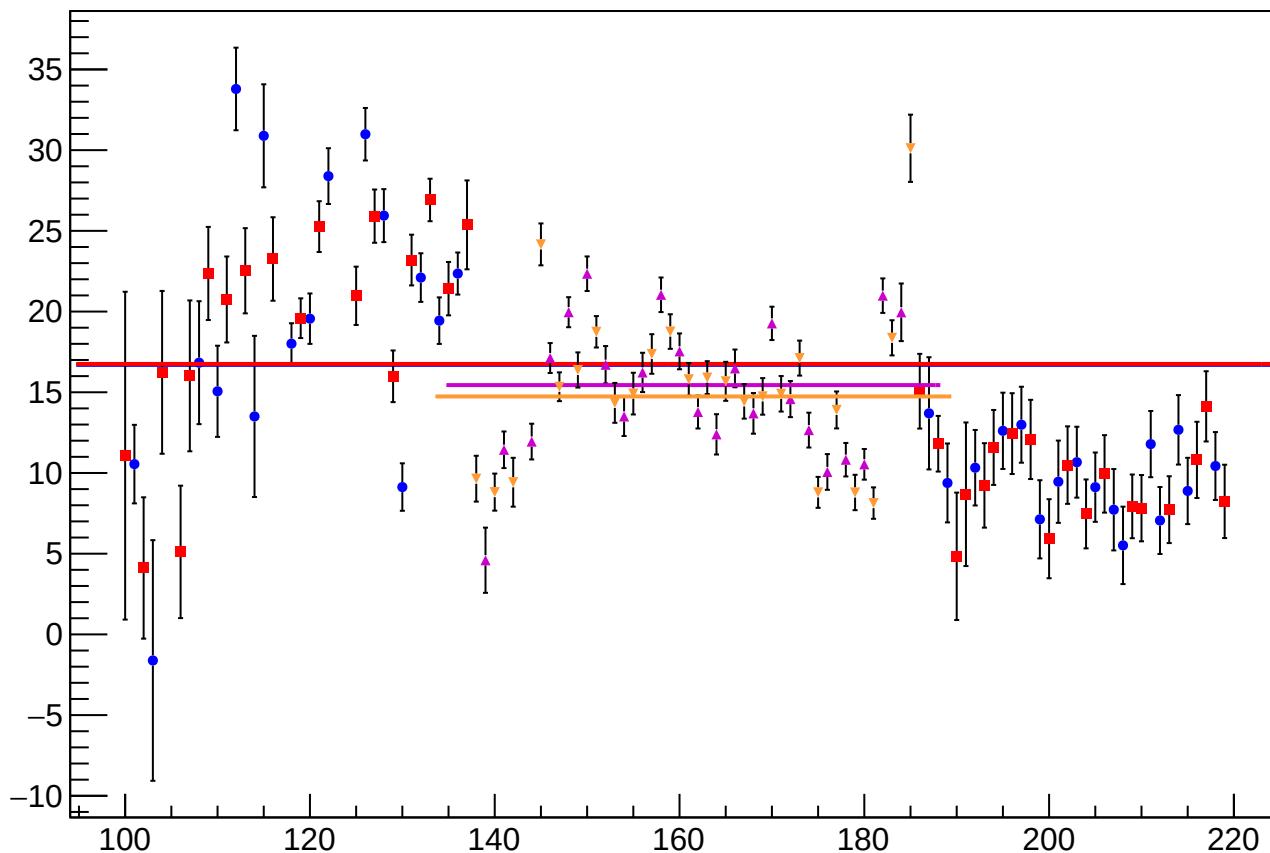
Left In: -16.480 ± 0.266 χ^2/NDF : 1697.7/22

+ sign -15.988 ± 0.187 χ^2/NDF : 5003.9/55

All: -16.731 ± 0.131 χ^2/NDF : 10569.5/114

- sign -17.449 ± 0.184 χ^2/NDF : 5534.7/58

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 16.699 $\pm$ 0.358 χ^2 /NDF: 453.4/31

Left Out: 14.740 $\pm$ 0.229 χ^2 /NDF: 331.0/23

Right Out: 16.755 $\pm$ 0.360 χ^2 /NDF: 373.2/35

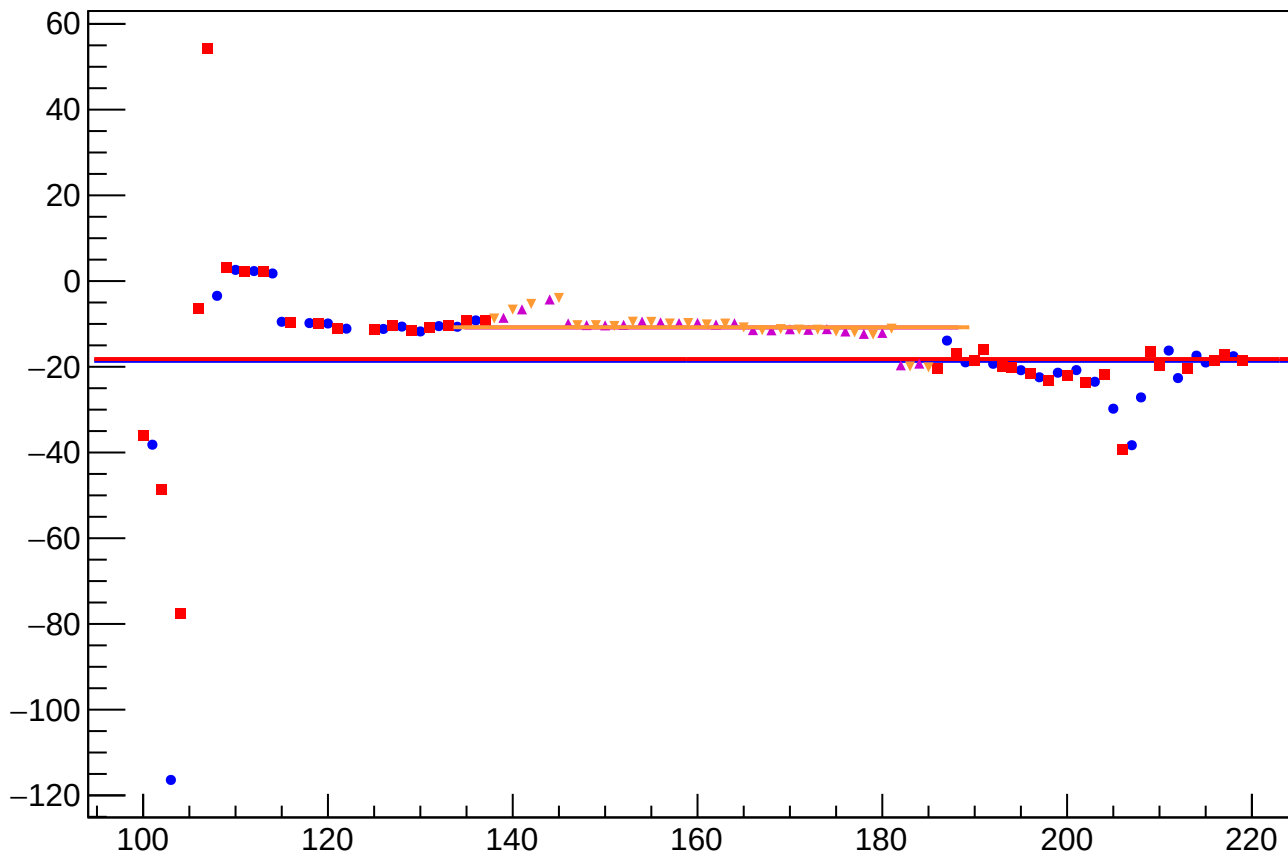
Left In: 15.444 $\pm$ 0.233 χ^2 /NDF: 290.4/22

+ sign 15.310 $\pm$ 0.193 χ^2 /NDF: 805.6/55

All: 15.567 $\pm$ 0.137 χ^2 /NDF: 1482.1/114

- sign 15.831 $\pm$ 0.196 χ^2 /NDF: 672.9/58

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -18.610 ± 0.018 $\chi^2/\text{NDF}: 456403.5/31$

Left Out: -10.778 ± 0.010 $\chi^2/\text{NDF}: 84755.9/23$

Right Out: -18.196 ± 0.018 $\chi^2/\text{NDF}: 433337.5/35$

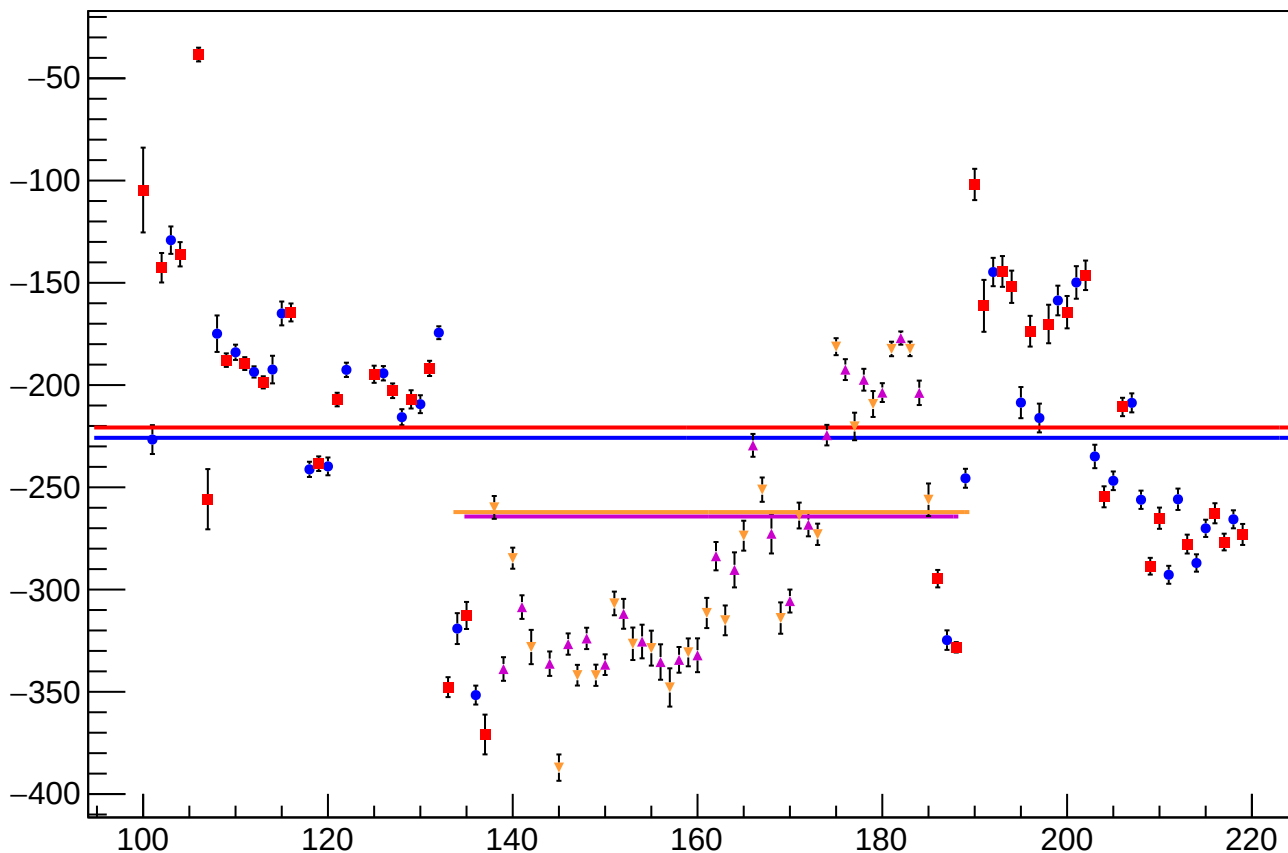
Left In: -10.834 ± 0.010 $\chi^2/\text{NDF}: 74113.9/22$

+ sign -12.763 ± 0.009 $\chi^2/\text{NDF}: 688150.9/55$

All: -12.738 ± 0.006 $\chi^2/\text{NDF}: 1325612.8/114$

- sign -12.712 ± 0.009 $\chi^2/\text{NDF}: 637445.1/58$

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -225.800 $\pm$ 0.819 χ^2 /NDF: 3529.0/31

Left Out: -262.110 $\pm$ 1.179 χ^2 /NDF: 2964.6/23

Right Out: -220.748 $\pm$ 0.766 χ^2 /NDF: 8652.7/35

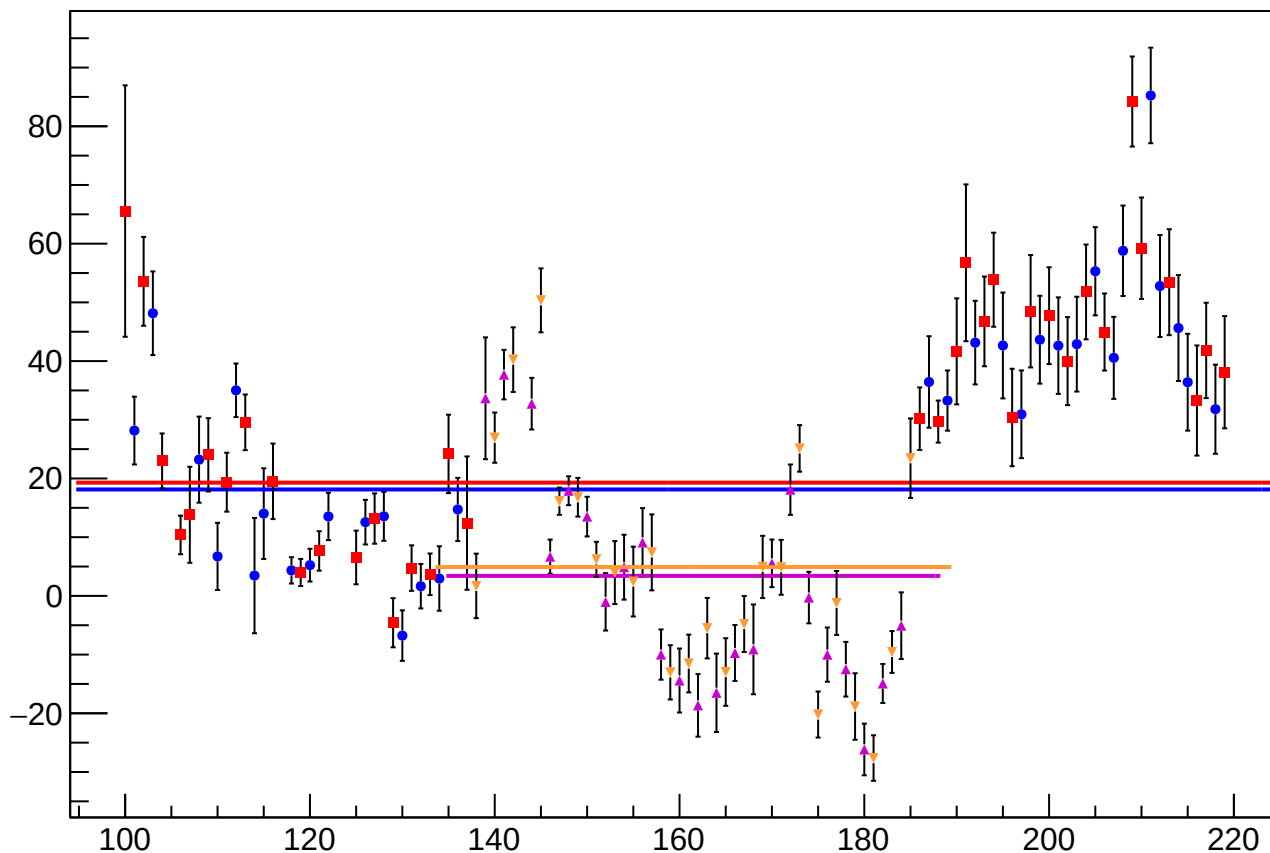
Left In: -264.272 $\pm$ 1.186 χ^2 /NDF: 2741.9/22

+ sign -237.622 $\pm$ 0.673 χ^2 /NDF: 7132.9/55

All: -235.509 $\pm$ 0.465 χ^2 /NDF: 19496.8/114

- sign -233.576 $\pm$ 0.644 χ^2 /NDF: 12345.0/58

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 18.131+/-0.928 χ^2 /NDF: 396.5/31

Left Out: 4.909+/-0.886 χ^2 /NDF:398.9/23

Right Out: 19.293+/-0.891 χ^2 /NDF: 412.8/35

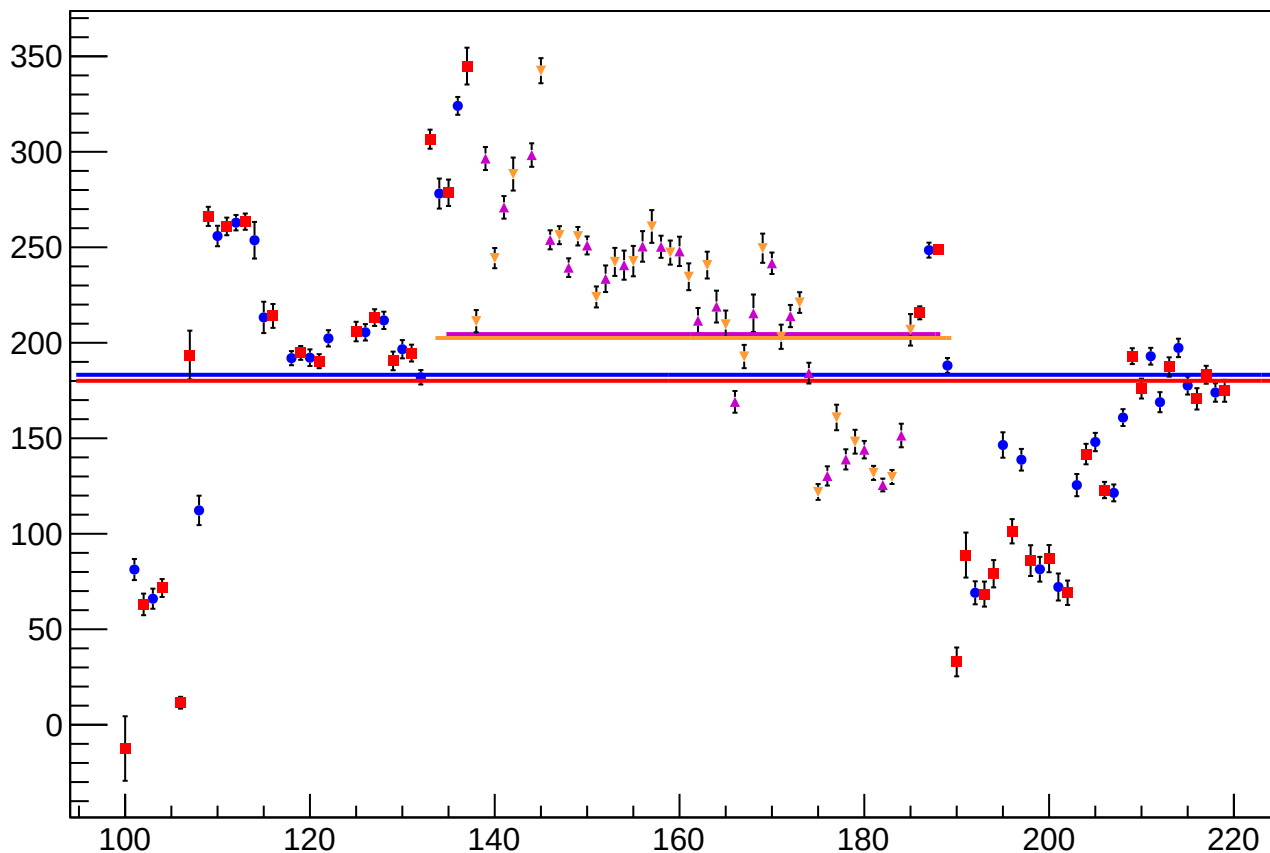
Left In: 3.409+/-0.901 χ^2 /NDF:333.3/22

+ sign 11.216+/-0.641 χ^2 /NDF: 901.6/55

All: 11.326+/-0.451 χ^2 /NDF: 1804.8/114

- sign 11.434+/-0.634 χ^2 /NDF: 903.2/58

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 183.240 $\pm$ 0.872 χ^2 /NDF: 4343.2/31

Left Out: 202.511 $\pm$ 1.173 χ^2 /NDF:2393.5/23

Right Out: 180.107 $\pm$ 0.798 χ^2 /NDF: 9504.3/35

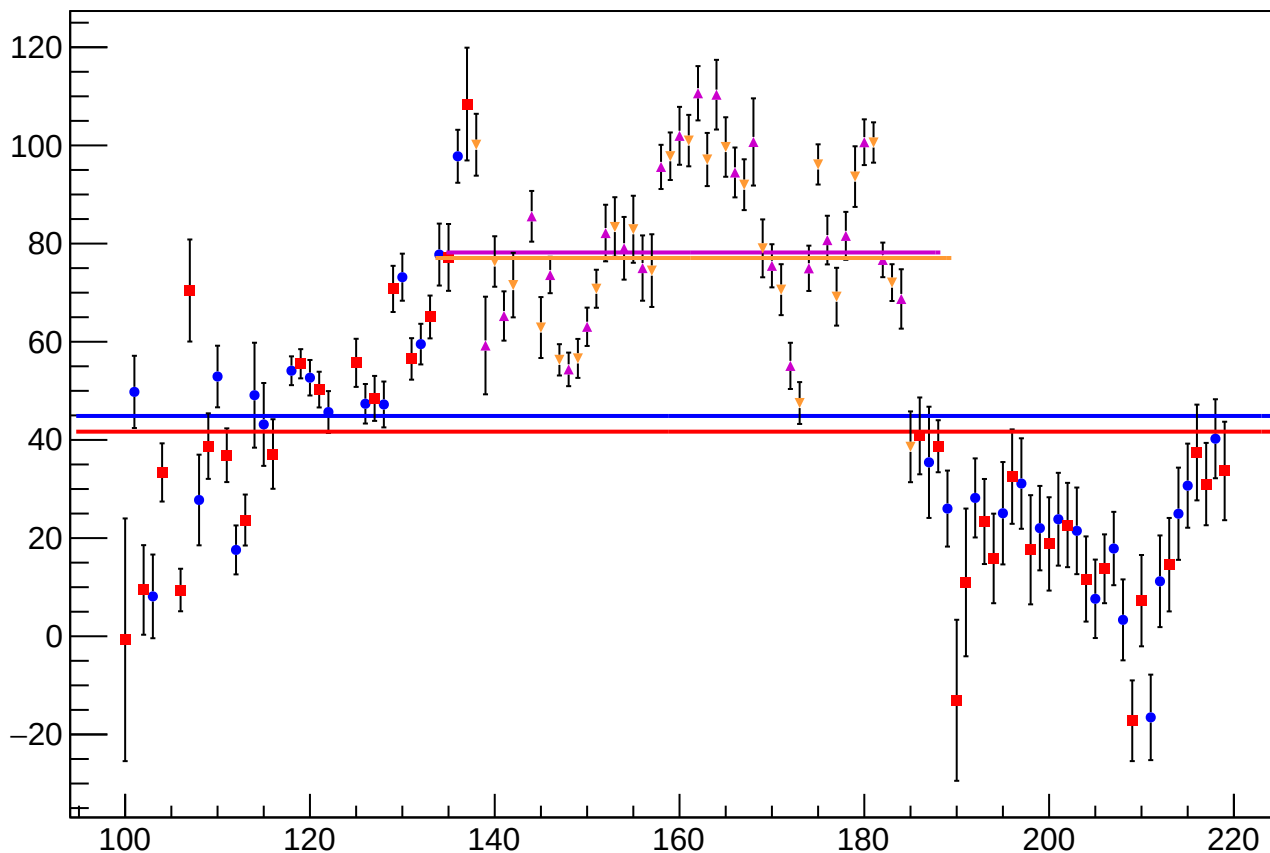
Left In: 204.560 $\pm$ 1.177 χ^2 /NDF:2285.7/22

+ sign 190.103 $\pm$ 0.700 χ^2 /NDF: 6910.5/55

All: 188.889 $\pm$ 0.480 χ^2 /NDF: 19001.9/114

- sign 187.807 $\pm$ 0.661 χ^2 /NDF: 12085.7/58

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 44.884 ± 1.078 $\chi^2/\text{NDF}: 406.3/31$

Left Out: 77.061 ± 1.015 $\chi^2/\text{NDF}: 311.3/23$

Right Out: 41.685 ± 1.047 $\chi^2/\text{NDF}: 419.4/35$

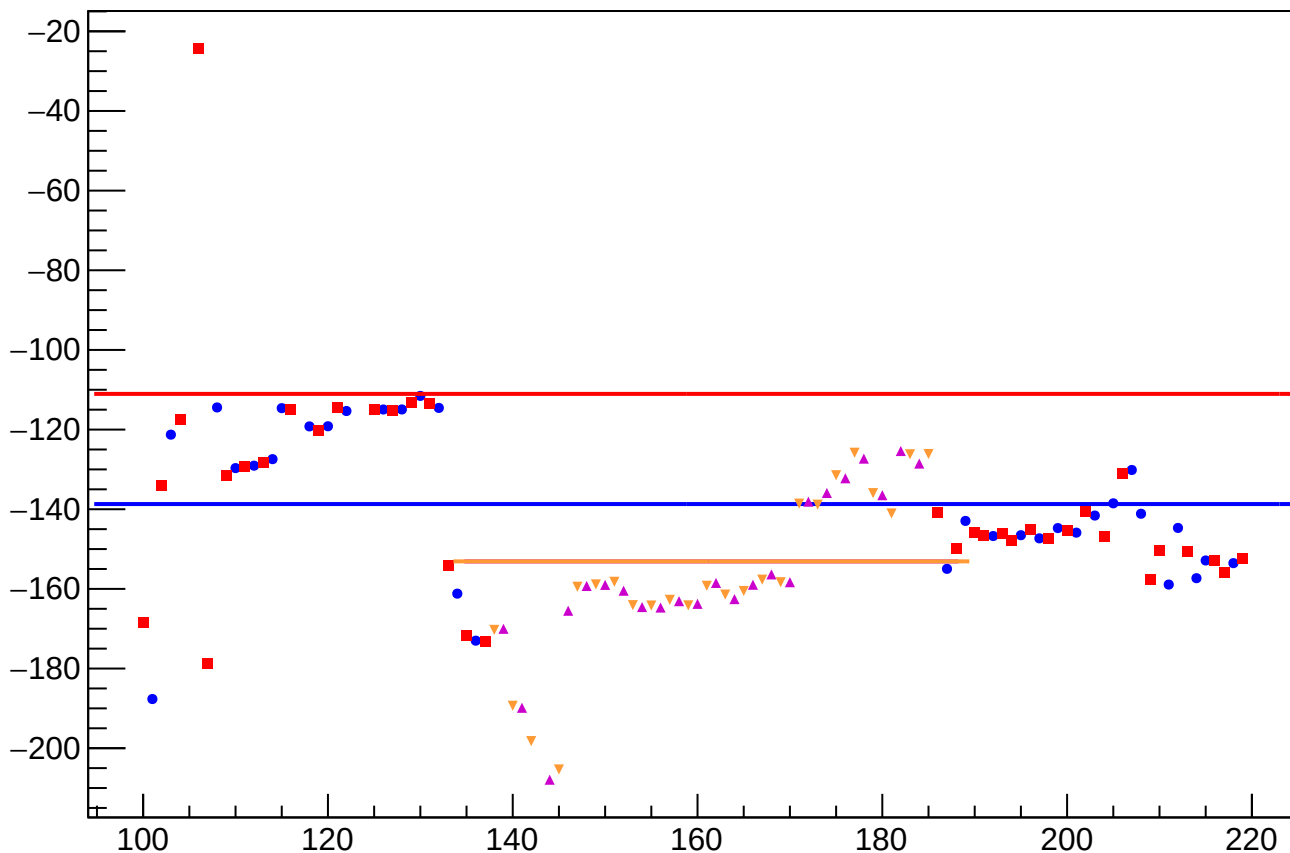
Left In: 78.189 ± 1.026 $\chi^2/\text{NDF}: 232.5/22$

+ sign 61.937 ± 0.739 $\chi^2/\text{NDF}: 1189.7/55$

All: 61.116 ± 0.520 $\chi^2/\text{NDF}: 2464.6/114$

- sign 60.309 ± 0.733 $\chi^2/\text{NDF}: 1272.5/58$

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -138.700 $\pm$ 0.058 χ^2 /NDF: 110337.7/31

Left Out: -153.090 $\pm$ 0.047 χ^2 /NDF: 177552.0/23

Right Out: -111.038 $\pm$ 0.050 χ^2 /NDF: 1037806.6/35

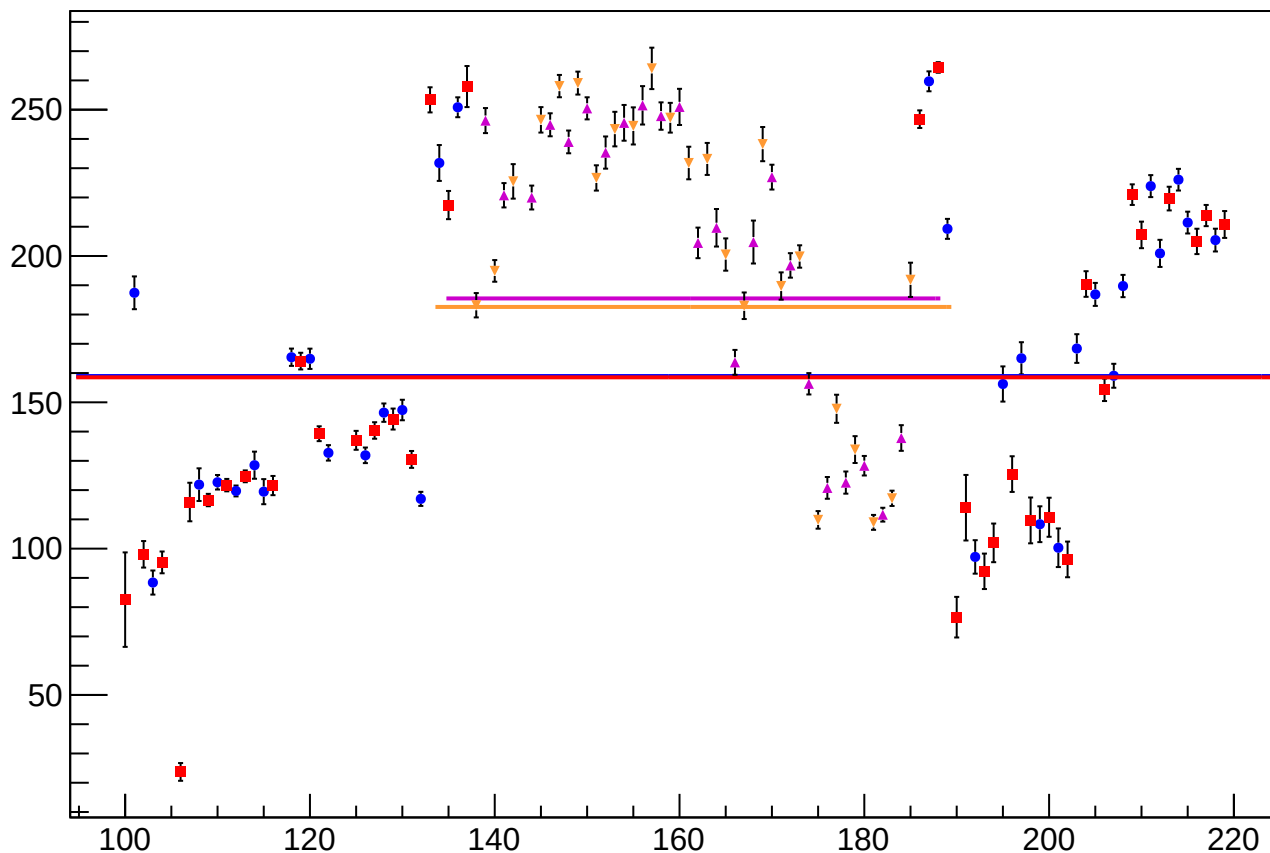
Left In: -153.103 $\pm$ 0.047 χ^2 /NDF: 166644.2/22

+ sign -147.445 $\pm$ 0.037 χ^2 /NDF: 324795.7/55

All: -140.066 $\pm$ 0.025 χ^2 /NDF: 1982205.8/11

- sign -133.626 $\pm$ 0.034 χ^2 /NDF: 1581192.7/58

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 158.976 ± 0.632 $\chi^2/\text{NDF}: 5086.7/31$

Left Out: 182.591 ± 0.866 $\chi^2/\text{NDF}: 4152.3/23$

Right Out: 158.539 ± 0.584 $\chi^2/\text{NDF}: 10749.8/35$

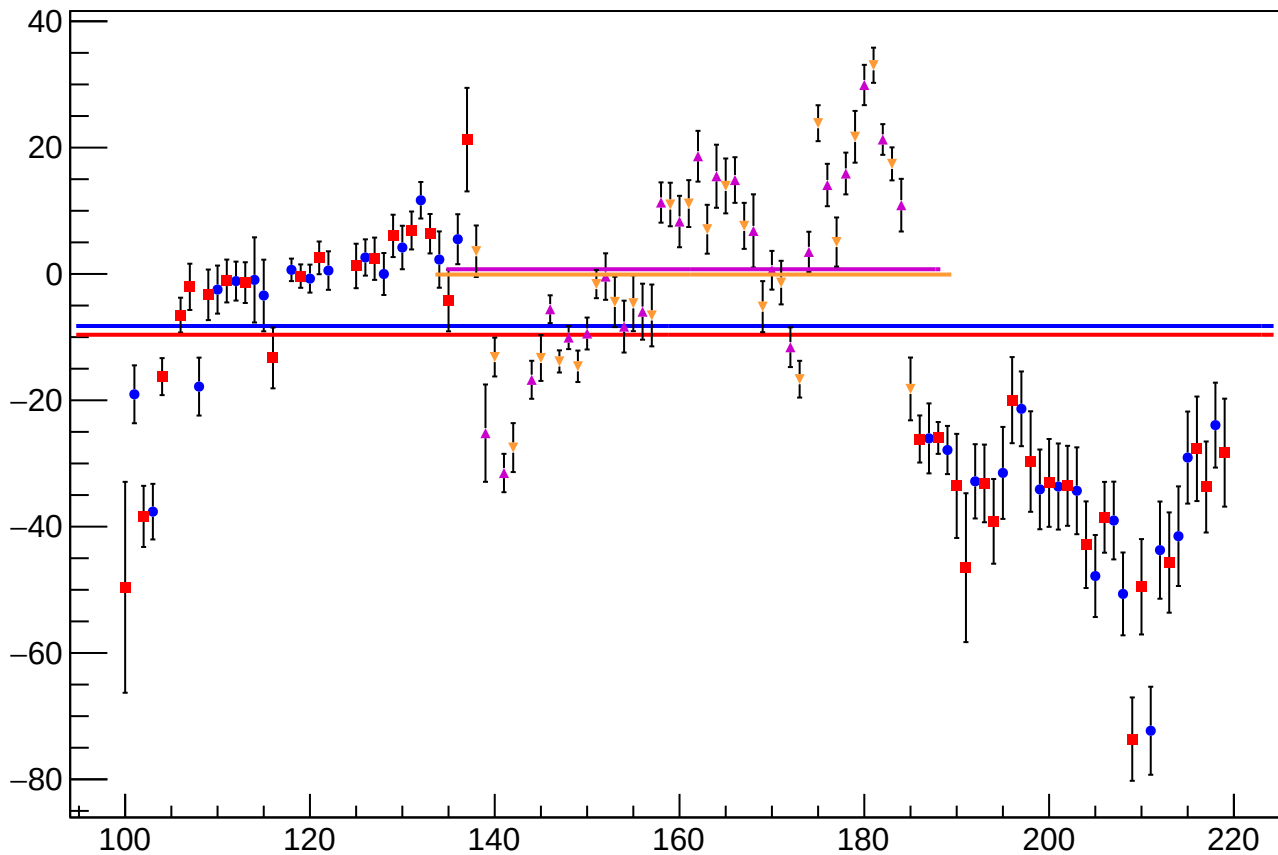
Left In: 185.497 ± 0.872 $\chi^2/\text{NDF}: 3822.2/22$

+ sign 167.189 ± 0.511 $\chi^2/\text{NDF}: 9724.1/55$

All: 167.030 ± 0.352 $\chi^2/\text{NDF}: 24955.4/114$

- sign 166.886 ± 0.485 $\chi^2/\text{NDF}: 15231.2/58$

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -8.238 ± 0.717 $\chi^2/\text{NDF}: 562.9/31$

Left Out: -0.092 ± 0.655 $\chi^2/\text{NDF}: 555.3/23$

Right Out: -9.626 ± 0.679 $\chi^2/\text{NDF}: 592.9/35$

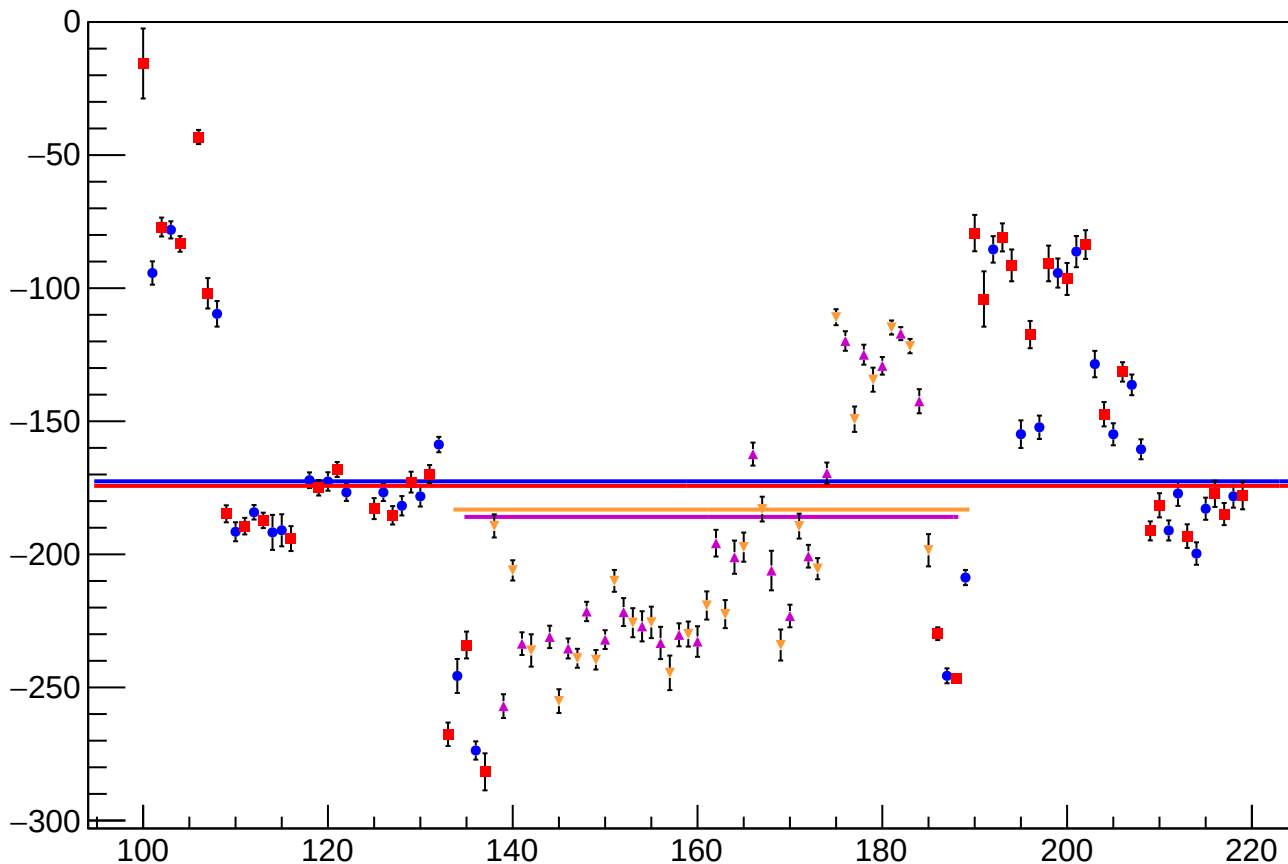
Left In: 0.747 ± 0.665 $\chi^2/\text{NDF}: 497.8/22$

+ sign -3.795 ± 0.484 $\chi^2/\text{NDF}: 1188.6/55$

All: -4.069 ± 0.339 $\chi^2/\text{NDF}: 2398.9/114$

- sign -4.333 ± 0.475 $\chi^2/\text{NDF}: 1209.7/58$

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -172.556 ± 0.677 $\chi^2/\text{NDF}: 4315.6/31$

Left Out: -183.175 ± 0.862 $\chi^2/\text{NDF}: 3361.2/23$

Right Out: -174.276 ± 0.609 $\chi^2/\text{NDF}: 10051.1/35$

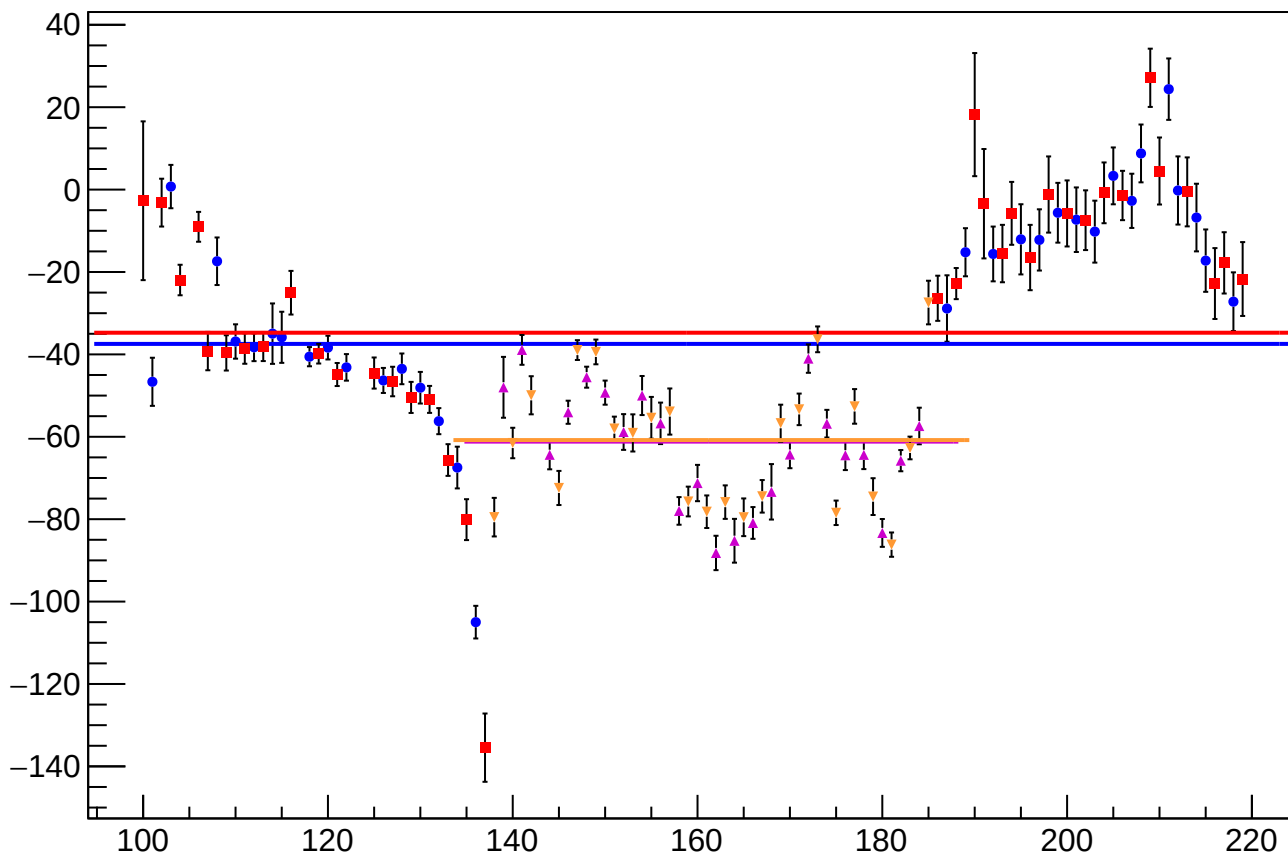
Left In: -185.936 ± 0.867 $\chi^2/\text{NDF}: 3181.6/22$

+ sign -176.608 ± 0.533 $\chi^2/\text{NDF}: 7770.5/55$

All: -177.419 ± 0.364 $\chi^2/\text{NDF}: 21128.7/114$

- sign -178.130 ± 0.498 $\chi^2/\text{NDF}: 13353.8/58$

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -37.455 ± 0.834 χ^2/NDF : 764.6/31

Left Out: -60.801 ± 0.749 χ^2/NDF : 474.0/23

Right Out: -34.739 ± 0.800 χ^2/NDF : 751.2/35

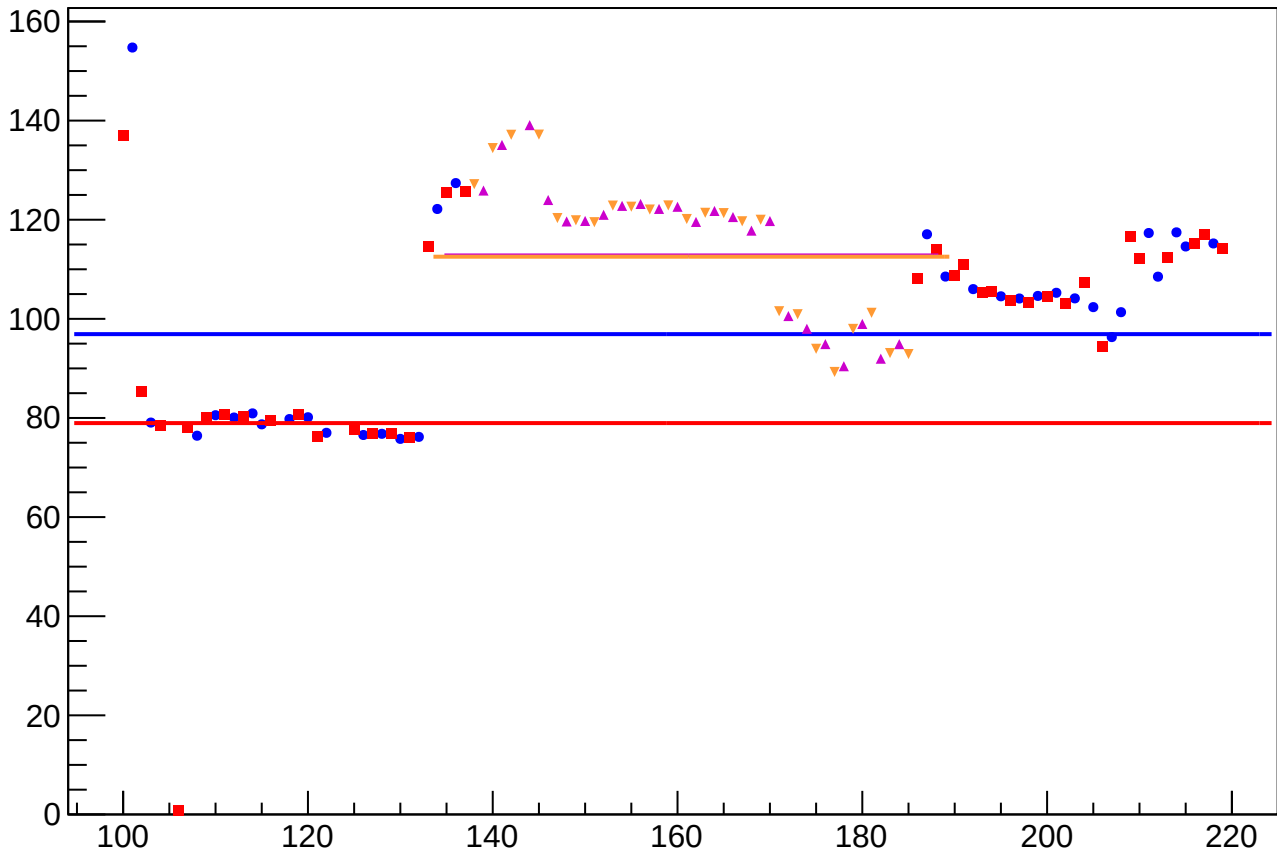
Left In: -61.172 ± 0.757 χ^2/NDF : 316.9/22

+ sign -50.375 ± 0.557 χ^2/NDF : 1672.6/55

All: -49.520 ± 0.391 χ^2/NDF : 3321.5/114

- sign -48.687 ± 0.550 χ^2/NDF : 1644.2/58

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 96.915 $\pm$ 0.045 χ^2 /NDF: 194335.4/31

Left Out: 112.539 $\pm$ 0.035 χ^2 /NDF:174512.4/23

Right Out: 78.967 $\pm$ 0.040 χ^2 /NDF: 930453.0/35

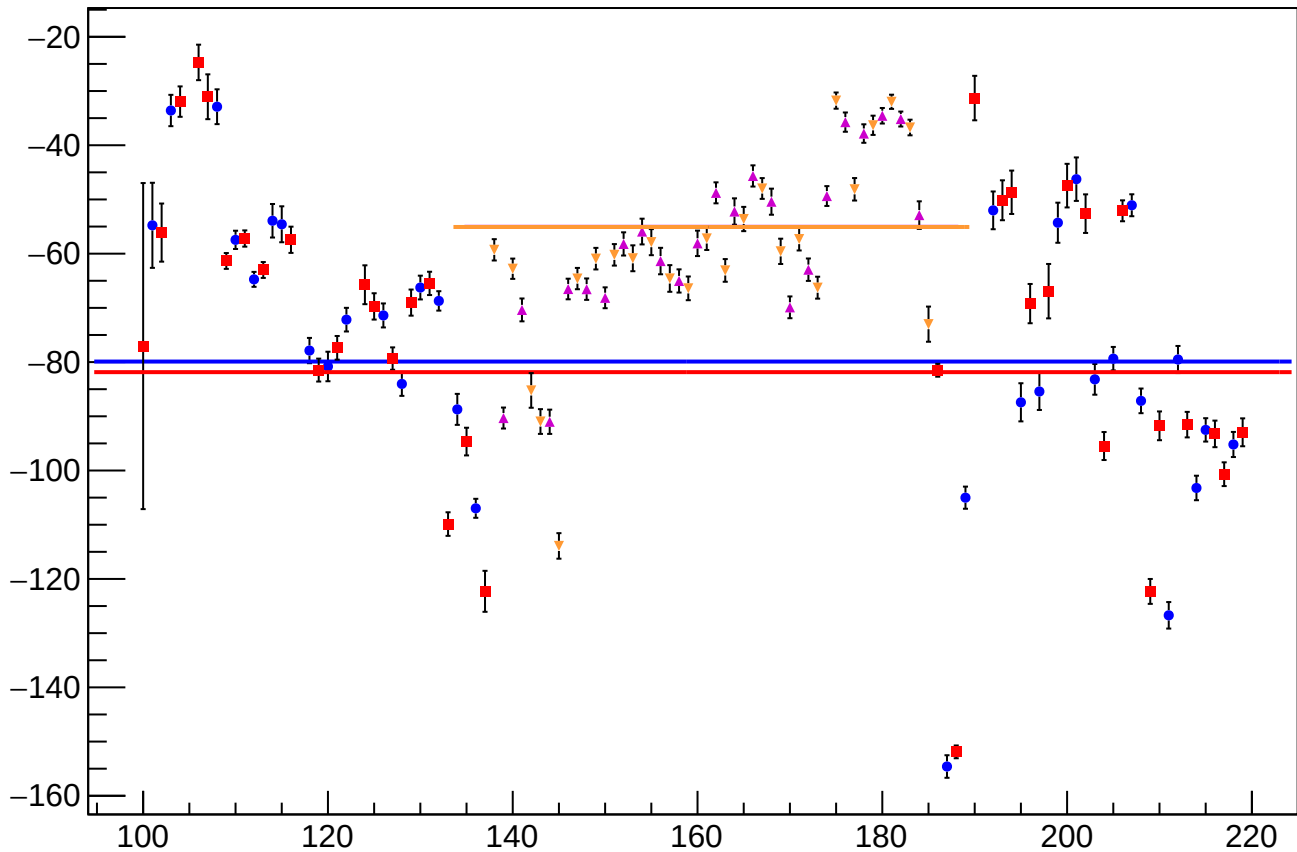
Left In: 112.795 $\pm$ 0.034 χ^2 /NDF:171662.8/22

+ sign 106.752 $\pm$ 0.027 χ^2 /NDF: 444452.7/55

All: 102.304 $\pm$ 0.019 χ^2 /NDF: 2010011.0/114

- sign 98.302 $\pm$ 0.026 χ^2 /NDF: 1515646.7/58

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -79.901 ± 0.416 $\chi^2/\text{NDF}: 3660.1/31$

Left Out: -55.077 ± 0.401 $\chi^2/\text{NDF}: 2002.8/24$

Right Out: -81.855 ± 0.379 $\chi^2/\text{NDF}: 6674.8/35$

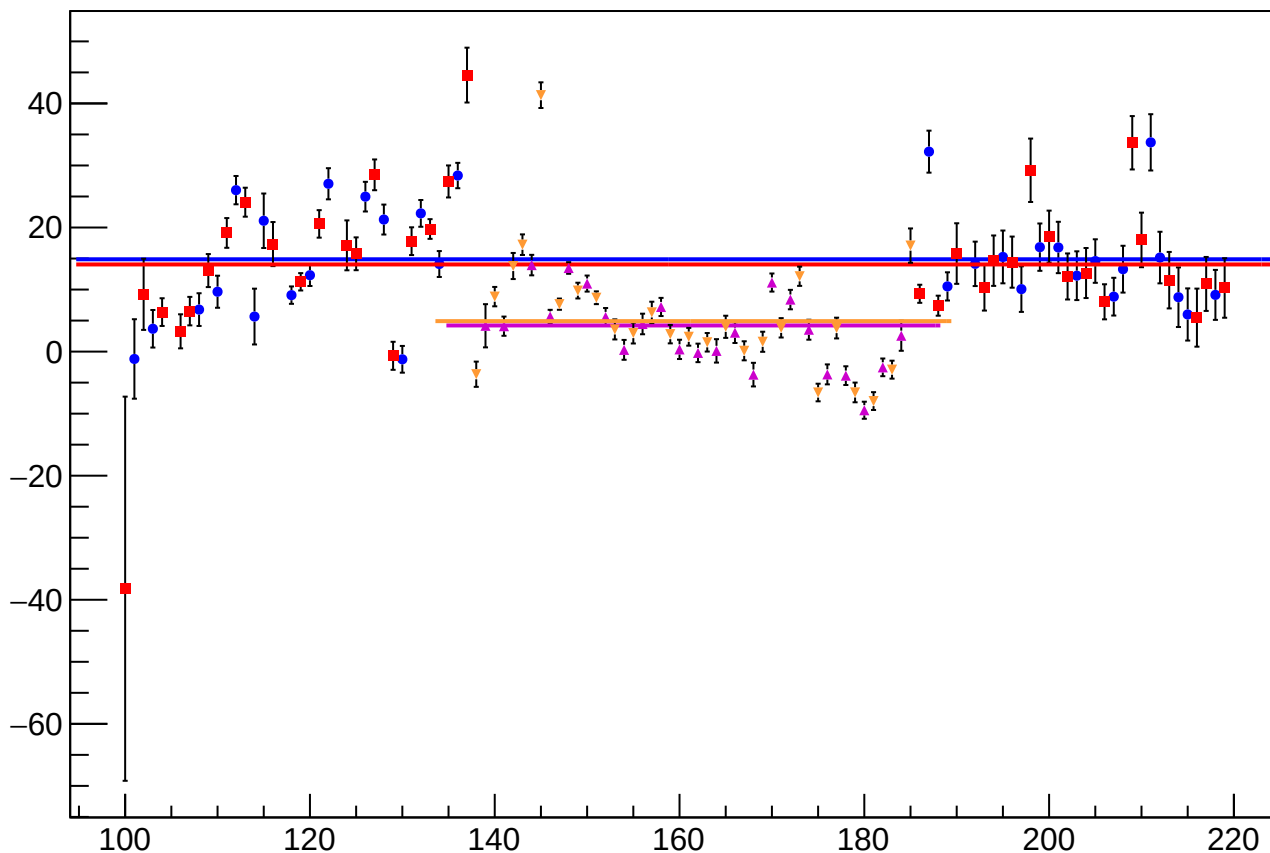
Left In: -55.050 ± 0.410 $\chi^2/\text{NDF}: 1541.8/22$

+ sign -67.010 ± 0.289 $\chi^2/\text{NDF}: 7509.3/56$

All: -68.300 ± 0.200 $\chi^2/\text{NDF}: 18064.0/115$

- sign -69.503 ± 0.279 $\chi^2/\text{NDF}: 10516.1/58$

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.881 ± 0.490 χ^2/NDF : 304.8/31

Left Out: 4.910 ± 0.301 χ^2/NDF : 741.5/24

Right Out: 14.047 ± 0.450 χ^2/NDF : 315.9/35

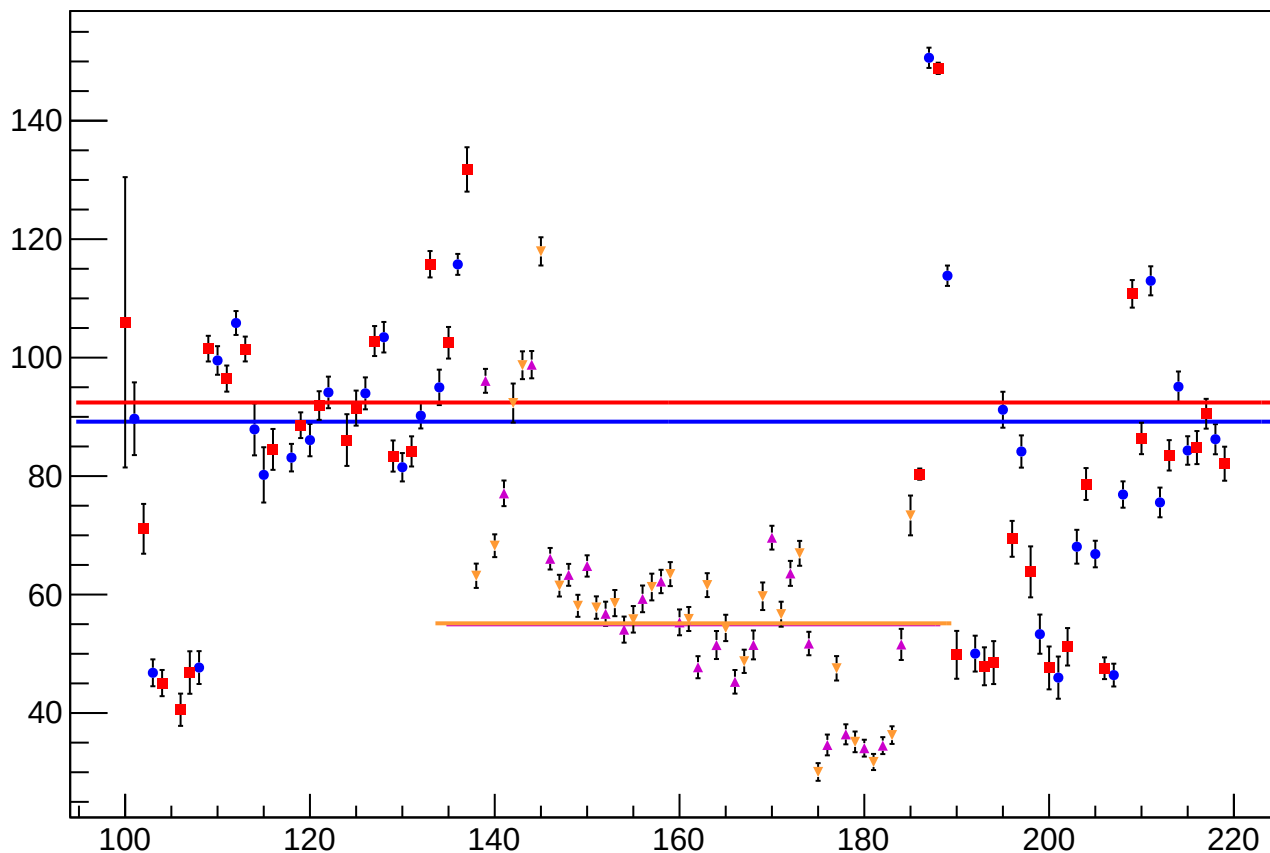
Left In: 4.215 ± 0.312 χ^2/NDF : 415.1/22

+ sign 7.650 ± 0.257 χ^2/NDF : 1347.0/56

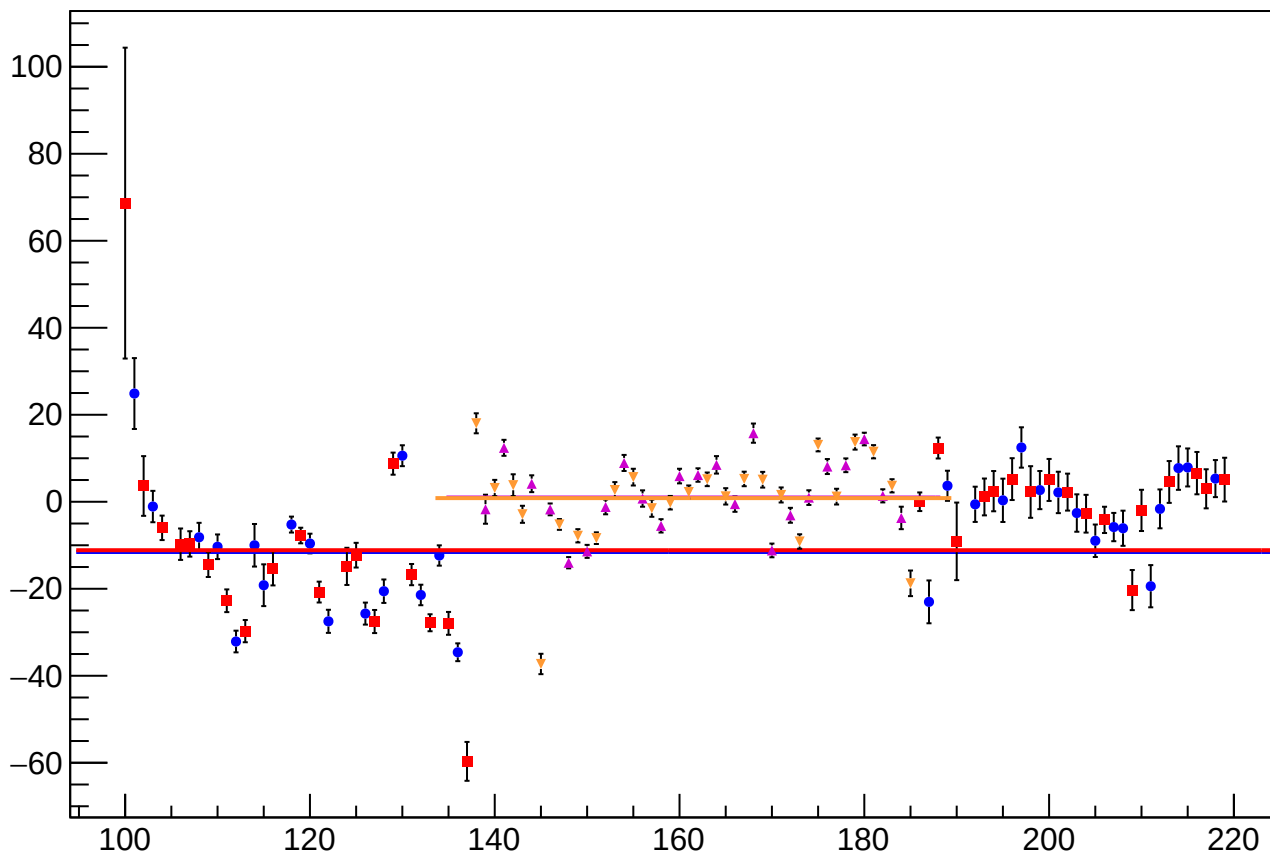
All: 7.533 ± 0.181 χ^2/NDF : 2401.0/115

- sign 7.416 ± 0.256 χ^2/NDF : 1053.6/58

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -11.543 ± 0.564 χ^2/NDF : 572.0/31

Left Out: 0.840 ± 0.343 χ^2/NDF : 717.2/24

Right Out: -11.139 ± 0.533 χ^2/NDF : 683.9/35

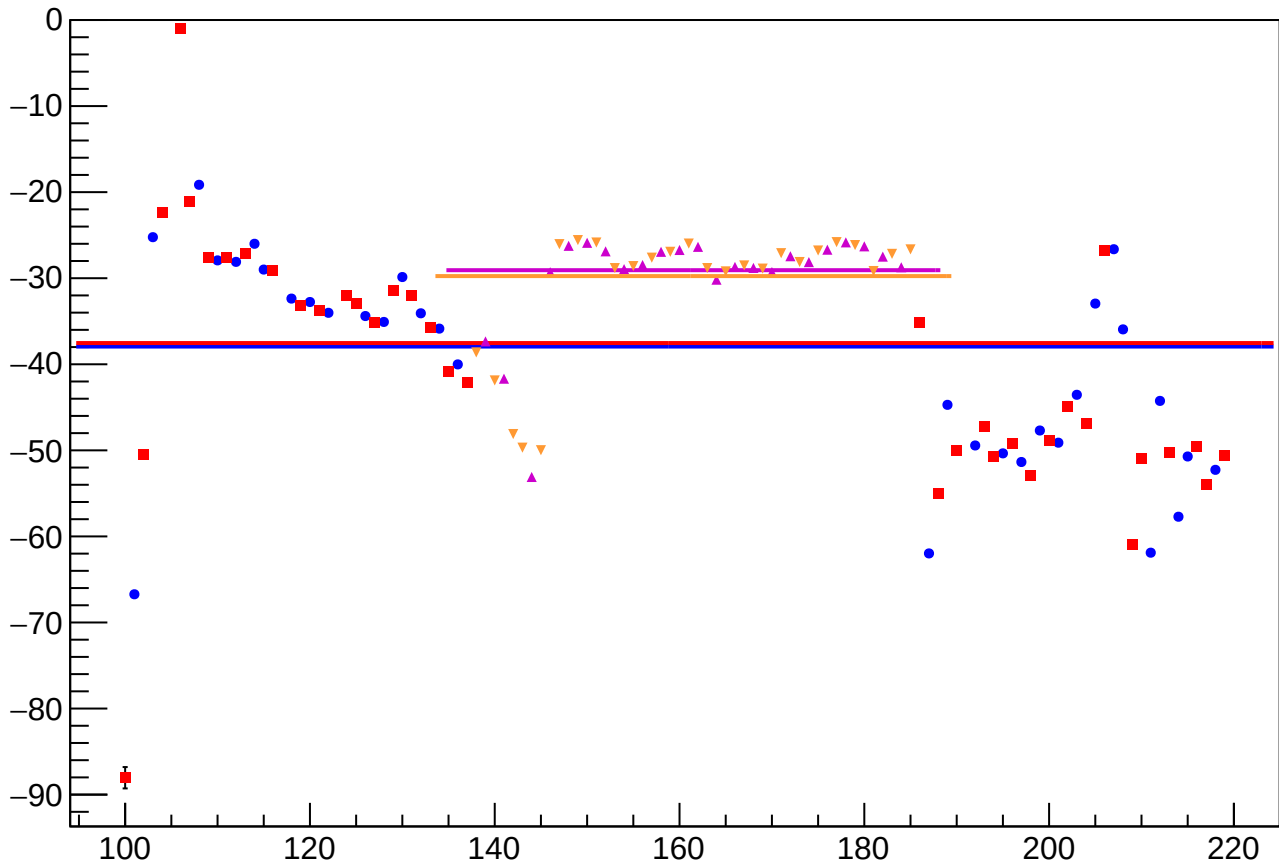
Left In: 0.980 ± 0.353 χ^2/NDF : 558.5/22

+ sign -2.505 ± 0.293 χ^2/NDF : 1641.6/56

All: -2.612 ± 0.208 χ^2/NDF : 3243.4/115

- sign -2.719 ± 0.295 χ^2/NDF : 1601.5/58

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -37.940 ± 0.028 χ^2/NDF : 144830.0/31

Left Out: -29.754 ± 0.016 χ^2/NDF : 163552.5/24

Right Out: -37.533 ± 0.028 χ^2/NDF : 240645.3/35

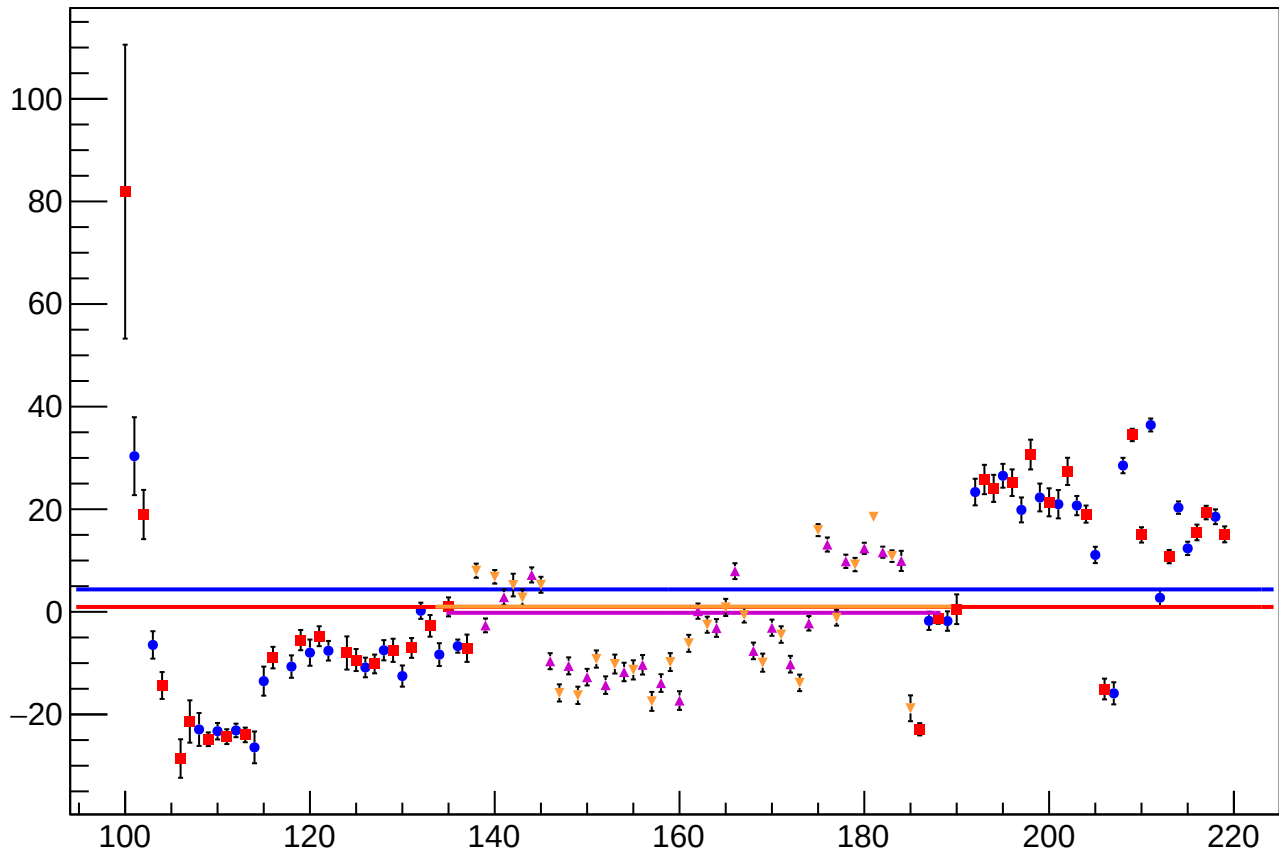
Left In: -29.067 ± 0.016 χ^2/NDF : 101545.6/22

+ sign -31.677 ± 0.014 χ^2/NDF : 373316.4/56

All: -31.417 ± 0.010 χ^2/NDF : 787018.6/115

- sign -31.153 ± 0.014 χ^2/NDF : 412964.4/58

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: 4.370 ± 0.324 χ^2/NDF : 3036.3/31

Left Out: 1.015 ± 0.305 χ^2/NDF : 1335.1/24

Right Out: 0.948 ± 0.306 χ^2/NDF : 3653.7/35

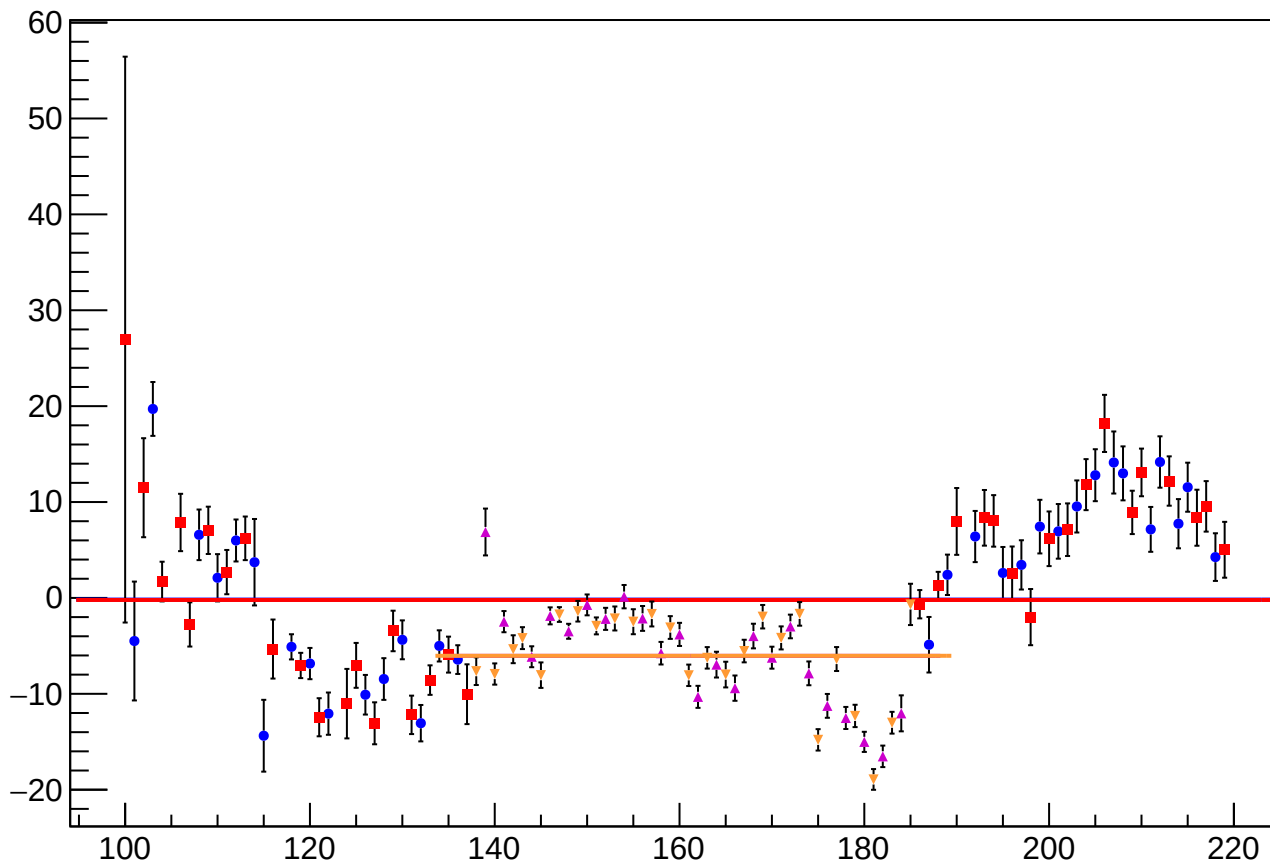
Left In: -0.192 ± 0.315 χ^2/NDF : 982.8/22

+ sign 2.589 ± 0.222 χ^2/NDF : 4428.2/56

All: 1.478 ± 0.156 χ^2/NDF : 9121.0/115

- sign 0.394 ± 0.219 χ^2/NDF : 4643.2/58

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.175 ± 0.407 $\chi^2/\text{NDF}: 431.4/31$

Left Out: -6.035 ± 0.233 $\chi^2/\text{NDF}: 414.9/24$

Right Out: -0.213 ± 0.386 $\chi^2/\text{NDF}: 430.6/35$

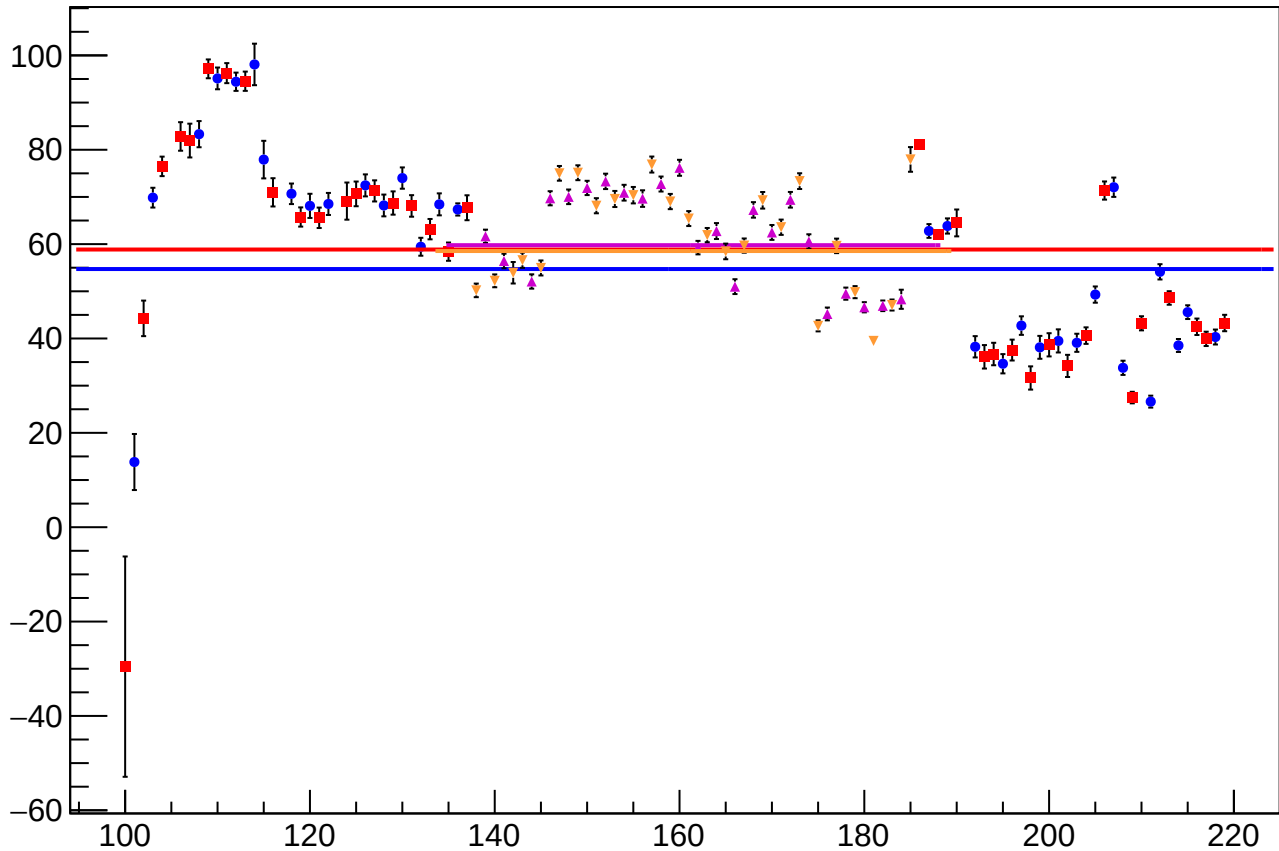
Left In: -6.043 ± 0.243 $\chi^2/\text{NDF}: 396.2/22$

+ sign -4.584 ± 0.202 $\chi^2/\text{NDF}: 1002.7/56$

All: -4.488 ± 0.144 $\chi^2/\text{NDF}: 1993.7/115$

- sign -4.388 ± 0.205 $\chi^2/\text{NDF}: 990.5/58$

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 54.718 $\pm$ 0.339 χ^2 /NDF: 2912.5/31

Left Out: 58.535 $\pm$ 0.303 χ^2 /NDF:1449.2/24

Right Out: 58.855 $\pm$ 0.313 χ^2 /NDF: 3748.9/35

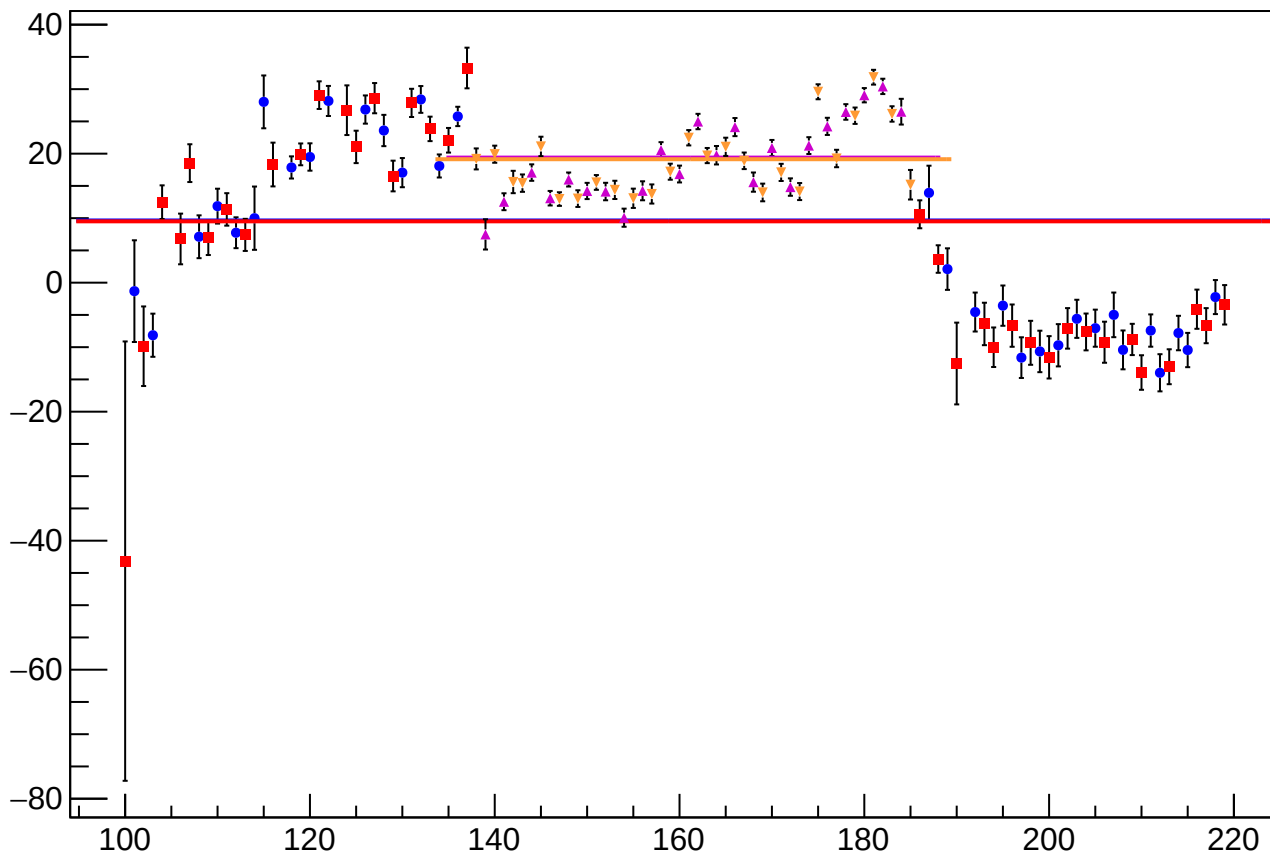
Left In: 59.777 $\pm$ 0.312 χ^2 /NDF:1070.5/22

+ sign 56.839 $\pm$ 0.226 χ^2 /NDF: 4432.2/56

All: 58.107 $\pm$ 0.158 χ^2 /NDF: 9317.6/115

- sign 59.318 $\pm$ 0.221 χ^2 /NDF: 4823.8/58

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 9.641 ± 0.461 χ^2/NDF : 1008.4/31

Left Out: 19.138 ± 0.264 χ^2/NDF : 433.7/24

Right Out: 9.510 ± 0.449 χ^2/NDF : 1052.7/35

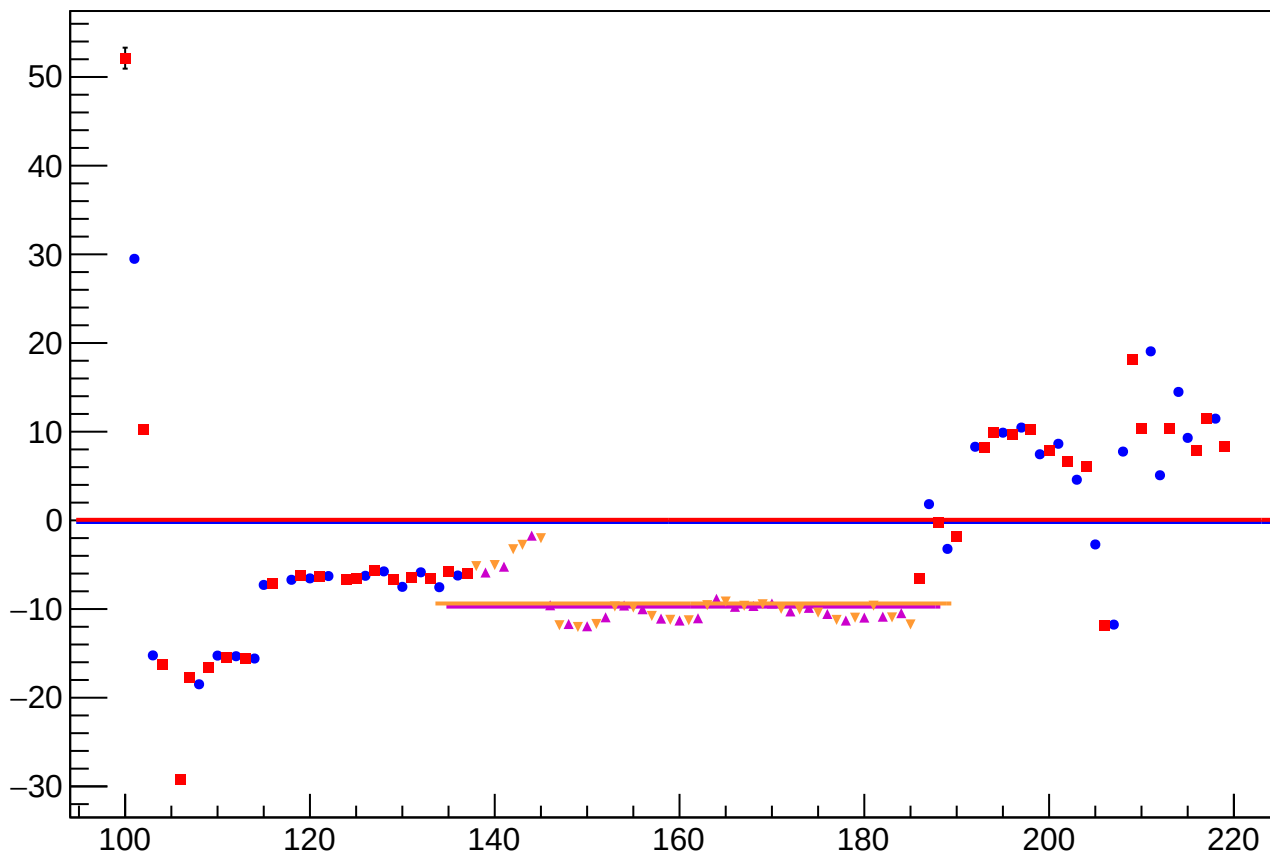
Left In: 19.390 ± 0.274 χ^2/NDF : 467.7/22

+ sign 16.791 ± 0.229 χ^2/NDF : 1761.9/56

All: 16.752 ± 0.164 χ^2/NDF : 3635.8/115

- sign 16.712 ± 0.234 χ^2/NDF : 1873.8/58

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -0.183 ± 0.022 χ^2/NDF : 217492.2/31

Left Out: -9.375 ± 0.012 χ^2/NDF : 49934.3/24

Right Out: 0.061 ± 0.022 χ^2/NDF : 248255.4/35

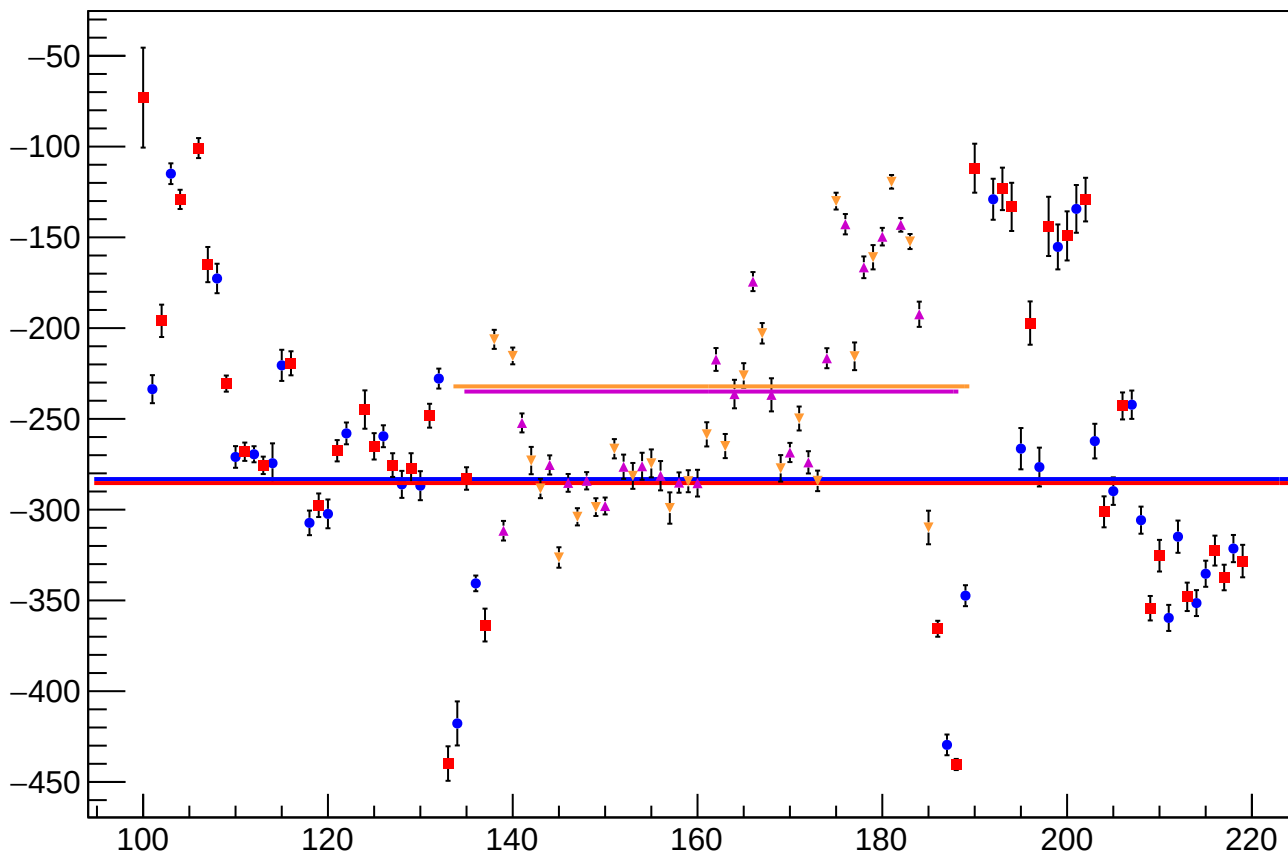
Left In: -9.726 ± 0.012 χ^2/NDF : 31951.7/22

+ sign -7.296 ± 0.010 χ^2/NDF : 402778.1/56

All: -7.369 ± 0.007 χ^2/NDF : 835293.9/115

- sign -7.444 ± 0.011 χ^2/NDF : 432416.3/58

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -283.142 ± 1.257 χ^2/NDF : 3159.8/31

Left Out: -232.091 ± 1.143 χ^2/NDF : 3269.9/24

Right Out: -285.354 ± 1.139 χ^2/NDF : 7085.9/35

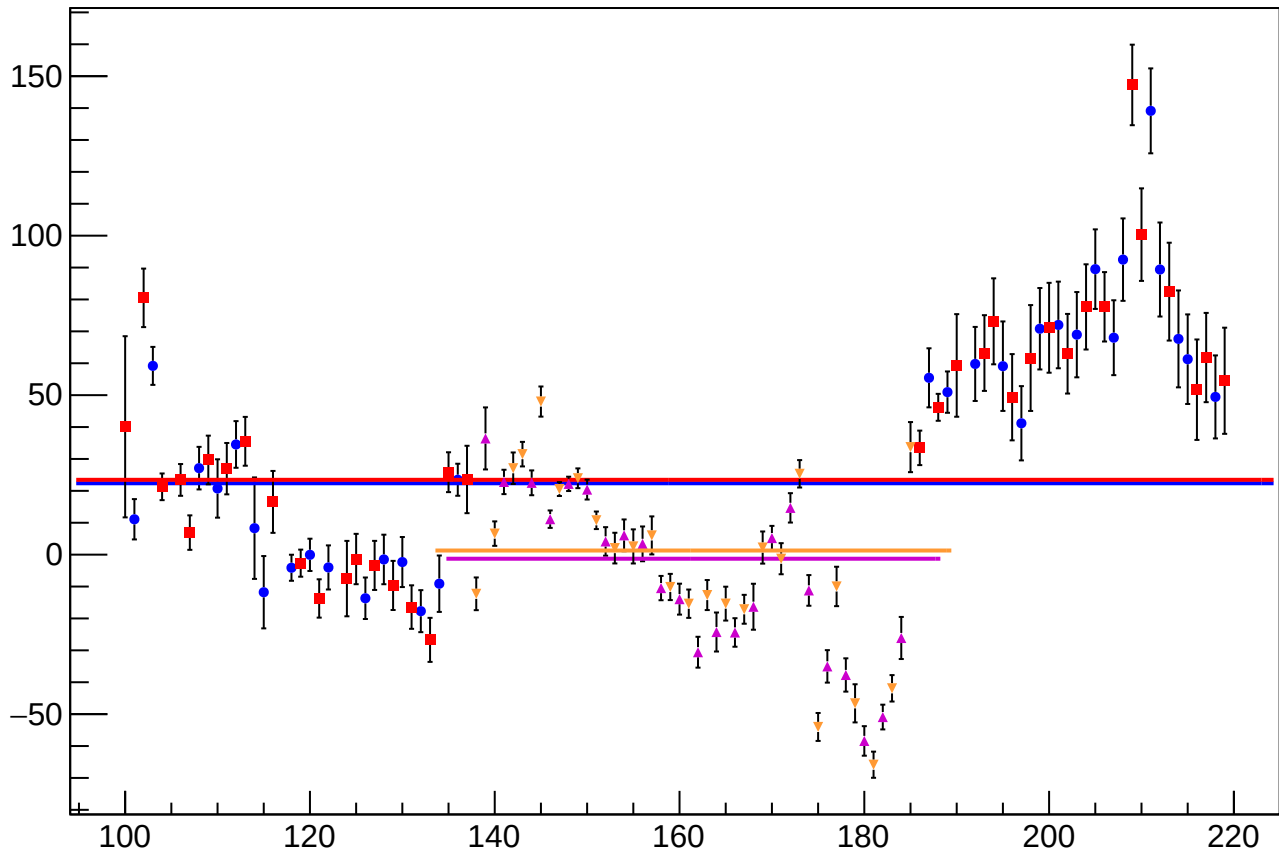
Left In: -234.951 ± 1.176 χ^2/NDF : 2470.2/22

+ sign -255.198 ± 0.846 χ^2/NDF : 7332.7/56

All: -258.175 ± 0.588 χ^2/NDF : 17861.2/115

- sign -260.960 ± 0.818 χ^2/NDF : 10504.5/58

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 22.374 ± 1.432 $\chi^2/\text{NDF}: 514.7/31$

Left Out: 1.295 ± 0.837 $\chi^2/\text{NDF}: 1049.5/24$

Right Out: 23.459 ± 1.300 $\chi^2/\text{NDF}: 550.5/35$

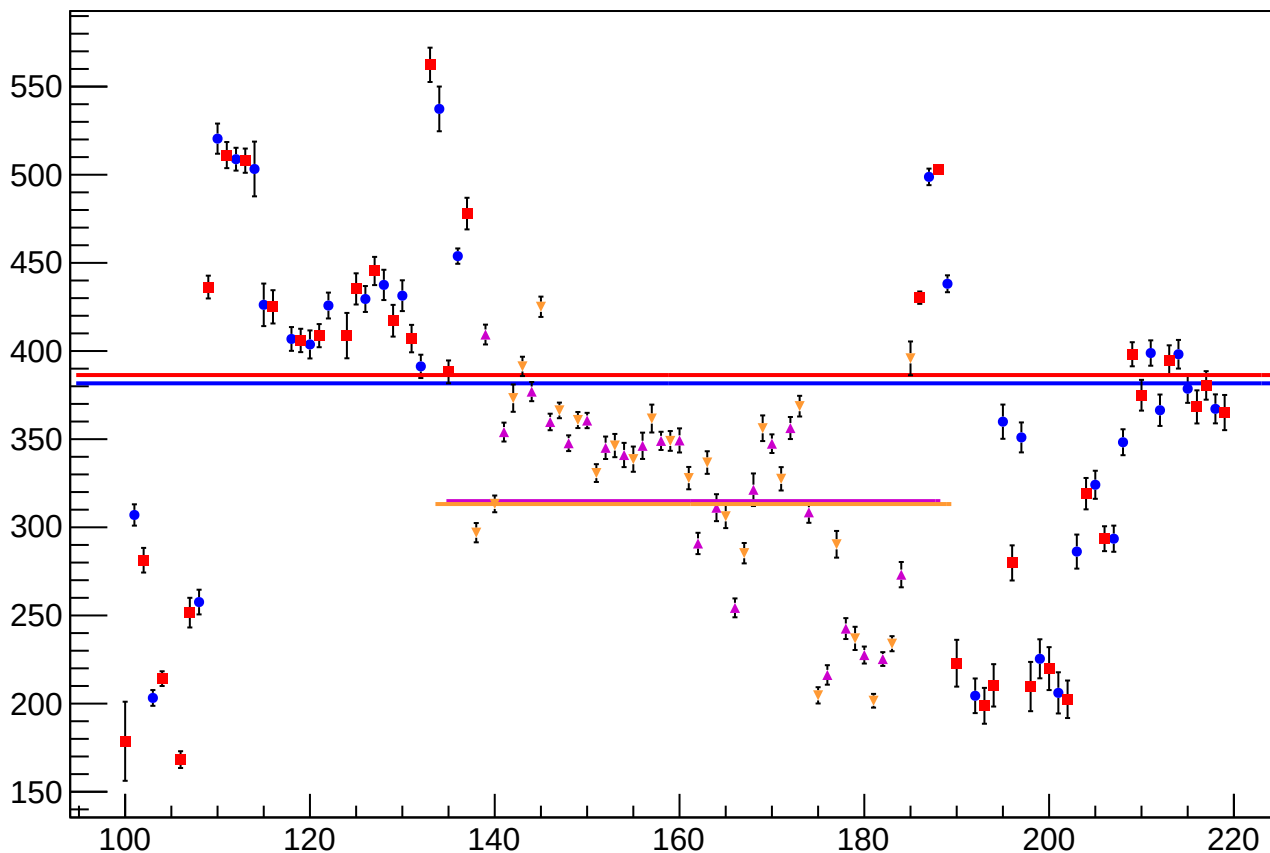
Left In: -1.280 ± 0.869 $\chi^2/\text{NDF}: 811.2/22$

+ sign 6.662 ± 0.722 $\chi^2/\text{NDF}: 1725.7/56$

All: 6.510 ± 0.511 $\chi^2/\text{NDF}: 3337.9/115$

- sign 6.359 ± 0.722 $\chi^2/\text{NDF}: 1612.1/58$

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 381.673 $\pm$ 1.281 χ^2/NDF : 5237.0/31

Left Out: 313.197 $\pm$ 1.134 χ^2/NDF : 3135.7/24

Right Out: 386.370 $\pm$ 1.128 χ^2/NDF : 9710.3/35

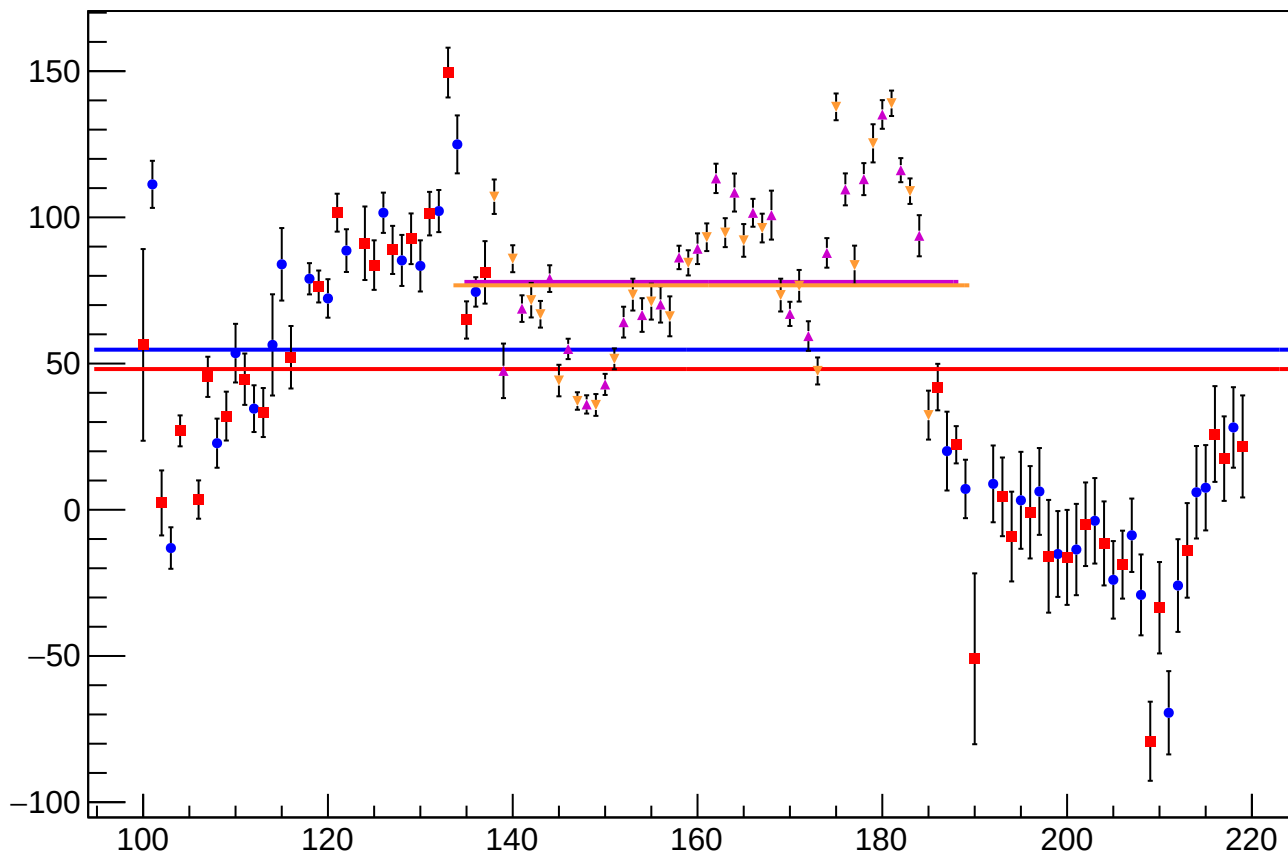
Left In: 314.864 $\pm$ 1.161 χ^2/NDF : 2429.0/22

+ sign 343.276 $\pm$ 0.849 χ^2/NDF : 9974.5/56

All: 347.672 $\pm$ 0.586 χ^2/NDF : 24115.9/115

- sign 351.662 $\pm$ 0.809 χ^2/NDF : 14090.2/58

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 54.751 ± 1.664 χ^2/NDF : 737.2/31

Left Out: 76.758 ± 0.967 χ^2/NDF : 1035.3/24

Right Out: 48.122 ± 1.553 χ^2/NDF : 763.8/35

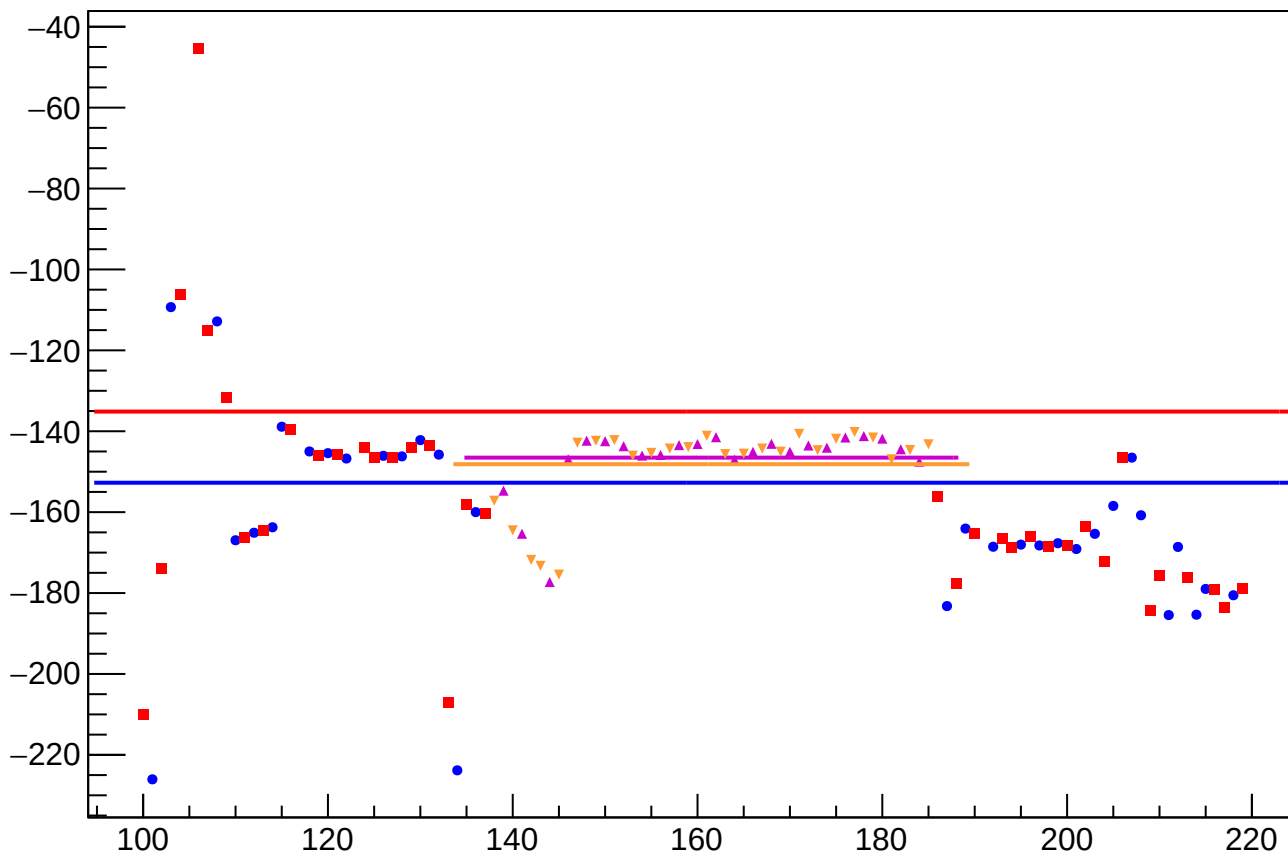
Left In: 77.923 ± 0.997 χ^2/NDF : 783.8/22

+ sign 71.207 ± 0.836 χ^2/NDF : 1903.3/56

All: 70.220 ± 0.592 χ^2/NDF : 3714.5/115

- sign 69.227 ± 0.839 χ^2/NDF : 1808.5/58

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -152.725+/-0.080 χ^2/NDF : 153706.1/31

Left Out: -148.148+/-0.045 χ^2/NDF : 48910.2/24

Right Out: -135.137+/-0.074 χ^2/NDF : 368336.7/35

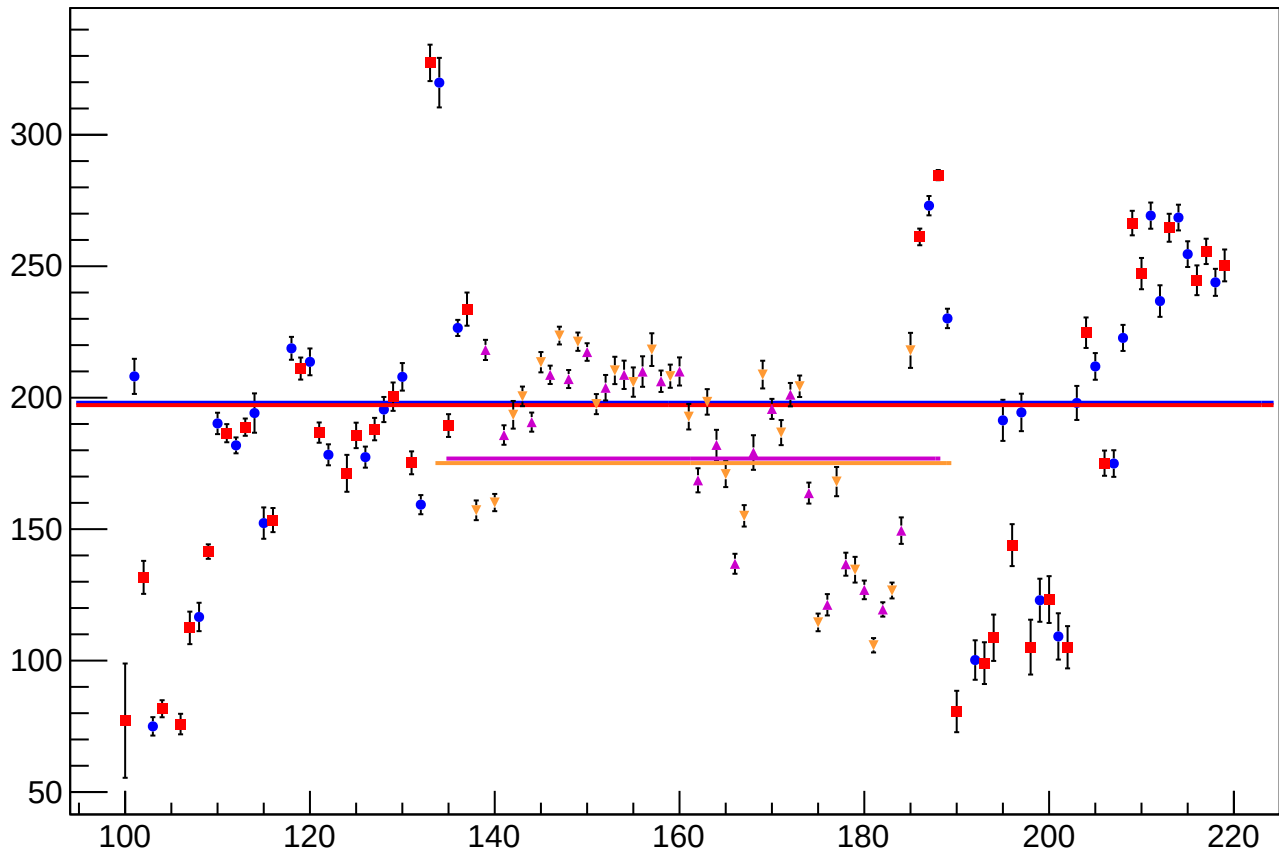
Left In: -146.523+/-0.046 χ^2/NDF : 29172.3/22

+ sign -149.251+/-0.039 χ^2/NDF : 205099.1/56

All: -146.272+/-0.028 χ^2/NDF : 631232.2/115

- sign -143.374+/-0.039 χ^2/NDF : 414786.9/58

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 198.081 ± 0.844 $\chi^2/\text{NDF}: 3578.0/31$

Left Out: 175.126 ± 0.822 $\chi^2/\text{NDF}: 2295.2/24$

Right Out: 197.179 ± 0.757 $\chi^2/\text{NDF}: 7572.3/35$

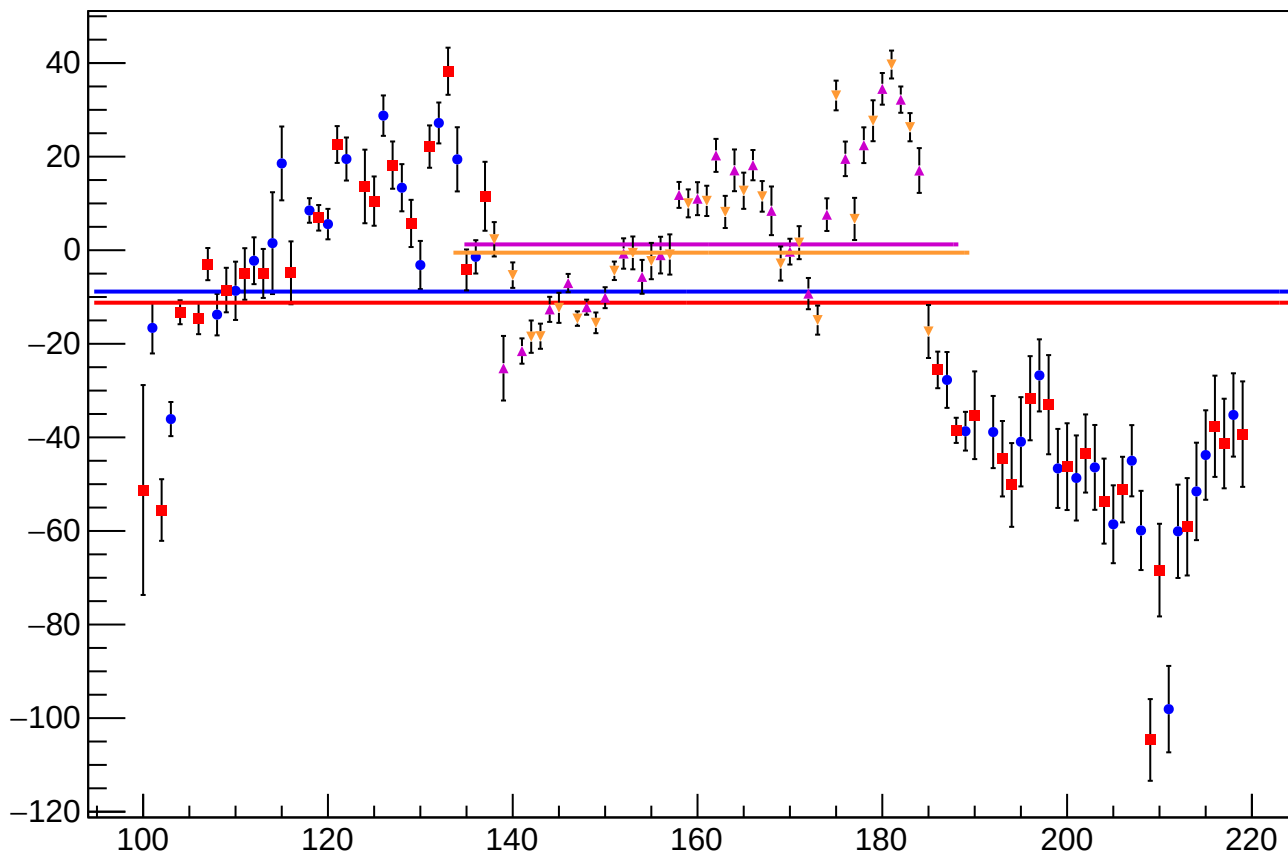
Left In: 176.862 ± 0.847 $\chi^2/\text{NDF}: 1756.1/22$

+ sign 186.303 ± 0.589 $\chi^2/\text{NDF}: 6252.9/56$

All: 187.273 ± 0.407 $\chi^2/\text{NDF}: 15906.5/115$

- sign 188.163 ± 0.564 $\chi^2/\text{NDF}: 9648.4/58$

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -8.838 ± 0.958 χ^2/NDF : 764.2/31

Left Out: -0.523 ± 0.601 χ^2/NDF : 724.5/24

Right Out: -11.216 ± 0.858 χ^2/NDF : 856.0/35

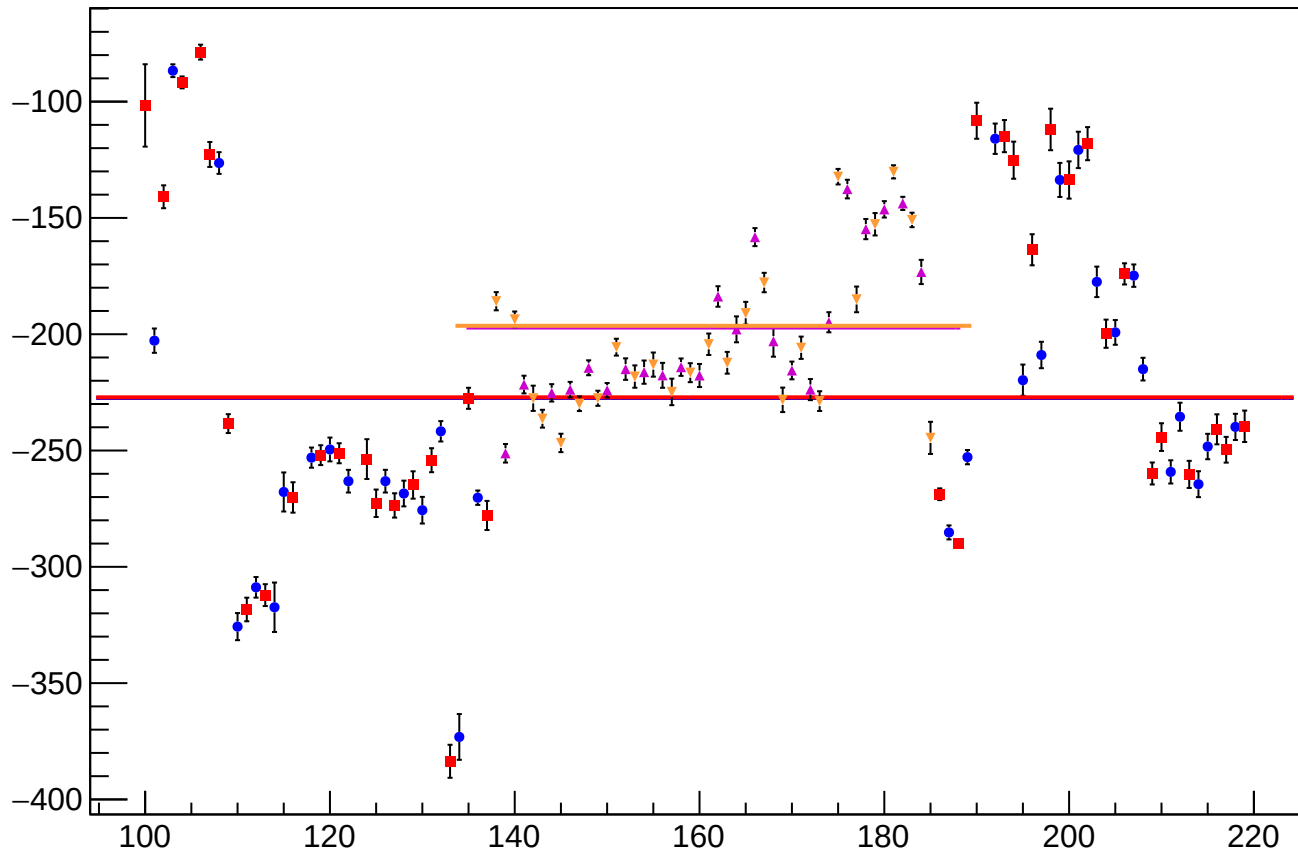
Left In: 1.244 ± 0.625 χ^2/NDF : 620.6/22

+ sign -2.869 ± 0.509 χ^2/NDF : 1542.7/56

All: -2.975 ± 0.359 χ^2/NDF : 3157.1/115

- sign -3.081 ± 0.505 χ^2/NDF : 1614.3/58

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -227.417 $\pm$ 0.857 χ^2 /NDF: 5946.9/31

Left Out: -196.380 $\pm$ 0.816 χ^2 /NDF: 1997.7/24

Right Out: -227.129 $\pm$ 0.746 χ^2 /NDF: 10677.0/35

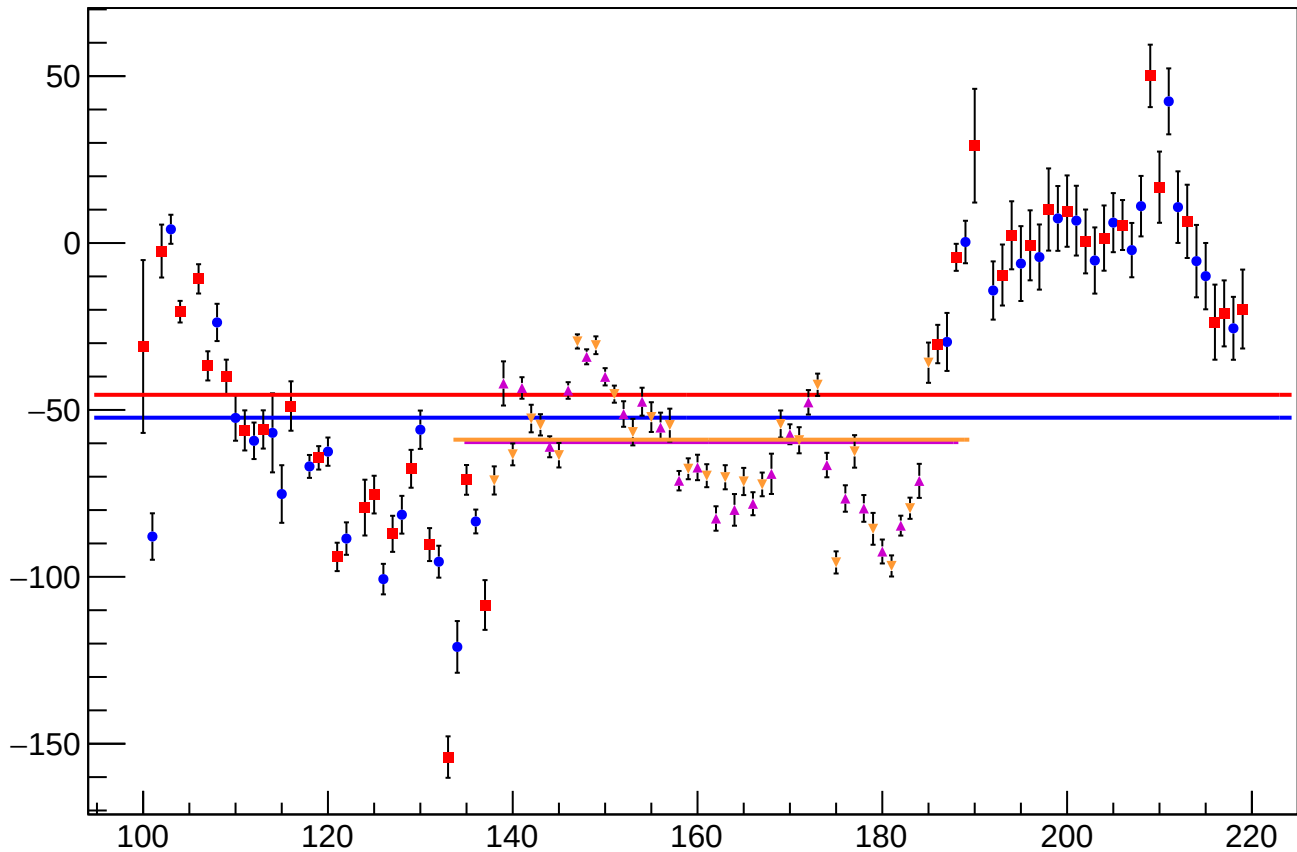
Left In: -197.128 $\pm$ 0.837 χ^2 /NDF: 1601.5/22

+ sign -211.127 $\pm$ 0.591 χ^2 /NDF: 8632.4/56

All: -212.568 $\pm$ 0.405 χ^2 /NDF: 21638.4/115

- sign -213.847 $\pm$ 0.557 χ^2 /NDF: 12994.8/58

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -52.325 ± 1.118 $\chi^2/\text{NDF}: 1213.1/31$

Left Out: -58.910 ± 0.695 $\chi^2/\text{NDF}: 782.5/24$

Right Out: -45.469 ± 1.028 $\chi^2/\text{NDF}: 1433.8/35$

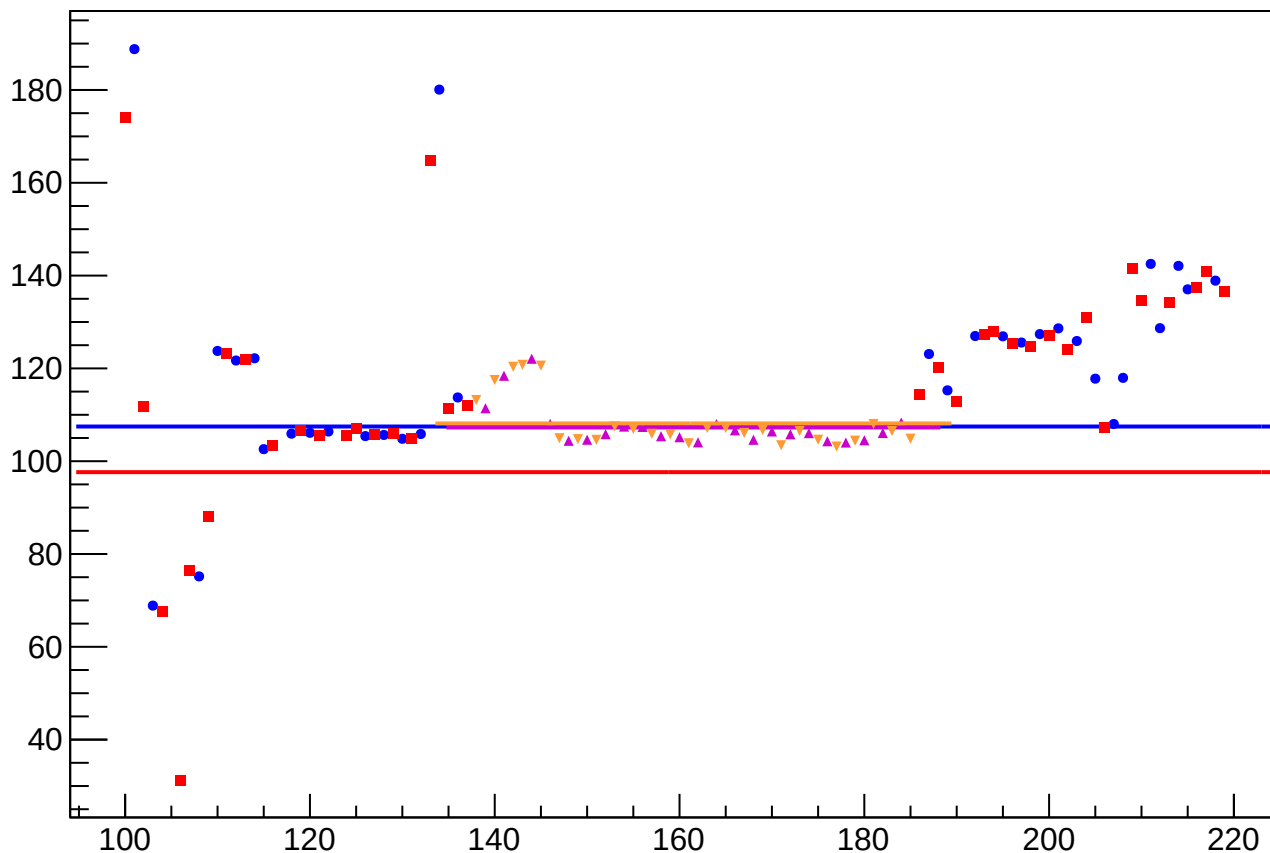
Left In: -59.637 ± 0.718 $\chi^2/\text{NDF}: 597.0/22$

+ sign -57.074 ± 0.590 $\chi^2/\text{NDF}: 2020.6/56$

All: -56.028 ± 0.417 $\chi^2/\text{NDF}: 4185.4/115$

- sign -54.986 ± 0.589 $\chi^2/\text{NDF}: 2158.5/58$

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 107.475 $\pm$ 0.053 χ^2 /NDF: 292198.1/31

Left Out: 108.136 $\pm$ 0.032 χ^2 /NDF: 26420.1/24

Right Out: 97.642 $\pm$ 0.050 χ^2 /NDF: 421403.7/35

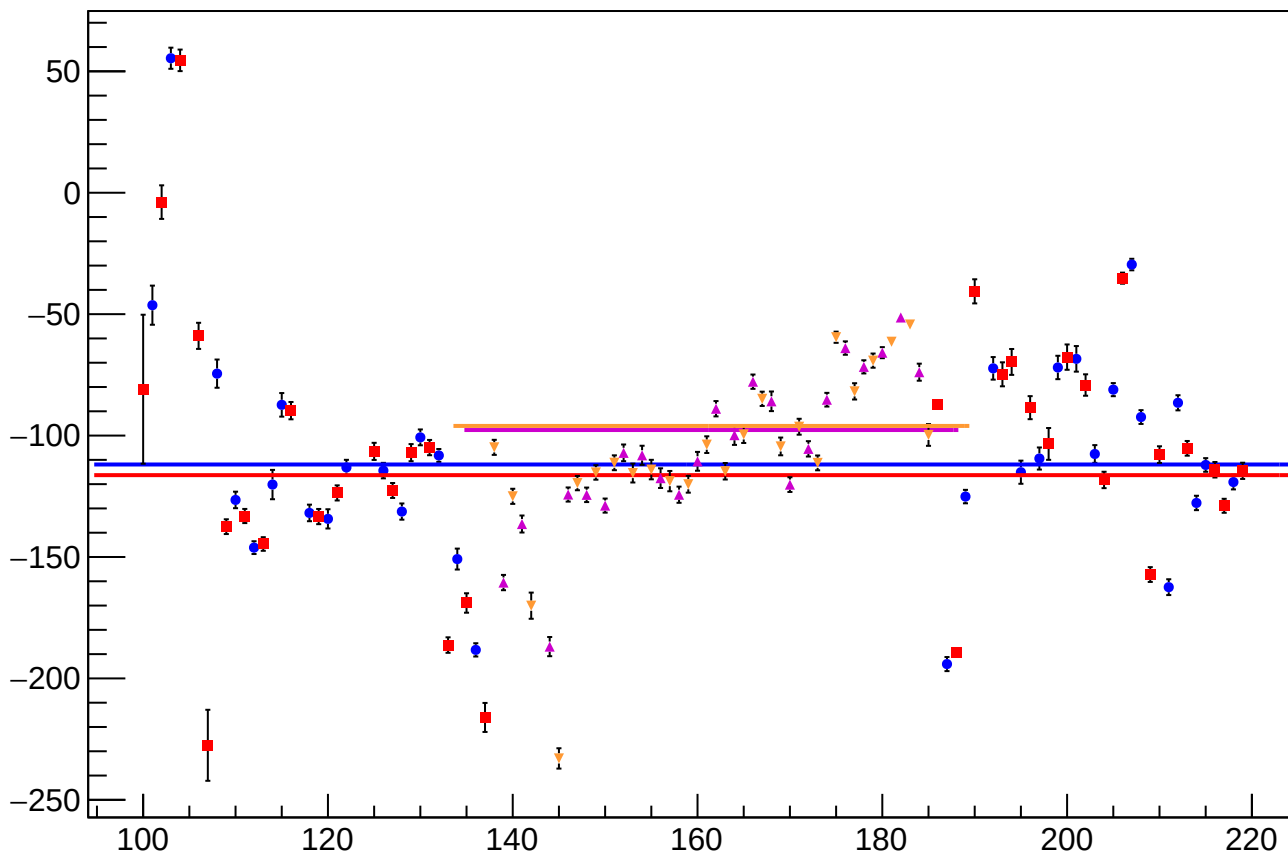
Left In: 107.266 $\pm$ 0.033 χ^2 /NDF: 16879.3/22

+ sign 107.958 $\pm$ 0.028 χ^2 /NDF: 318729.8/56

All: 106.128 $\pm$ 0.019 χ^2 /NDF: 791700.8/115

- sign 104.343 $\pm$ 0.027 χ^2 /NDF: 464374.7/58

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -111.906 ± 0.599 χ^2/NDF : 5537.4/31

Left Out: -96.026 ± 0.635 χ^2/NDF : 2770.9/23

Right Out: -116.291 ± 0.558 χ^2/NDF : 7536.1/34

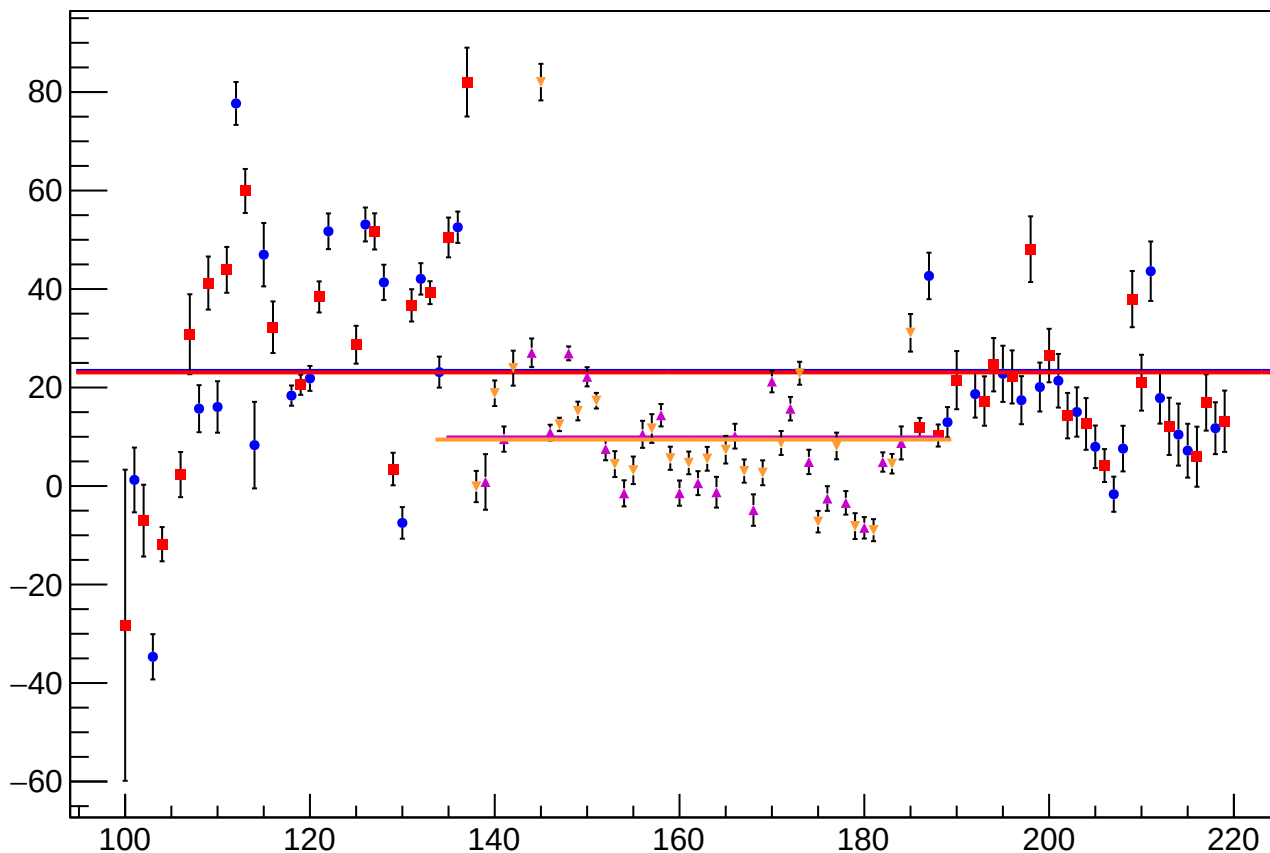
Left In: -97.713 ± 0.639 χ^2/NDF : 2640.9/22

+ sign -104.429 ± 0.436 χ^2/NDF : 8639.4/55

All: -106.407 ± 0.302 χ^2/NDF : 19336.2/113

- sign -108.247 ± 0.420 χ^2/NDF : 10657.0/57

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 23.372 $\pm$ 0.709 χ^2 /NDF: 863.1/31

Left Out: 9.438 $\pm$ 0.478 χ^2 /NDF: 736.4/23

Right Out: 23.075 $\pm$ 0.667 χ^2 /NDF: 691.7/34

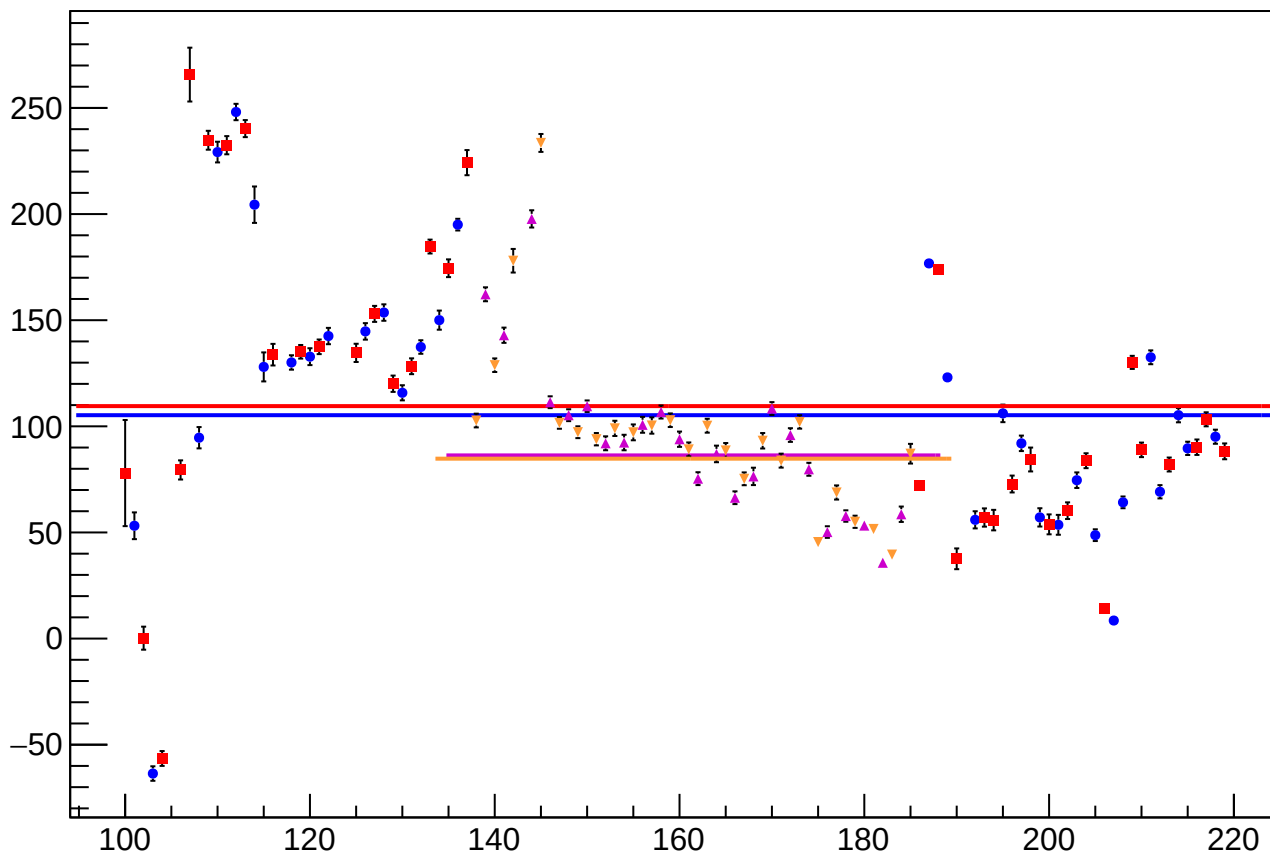
Left In: 9.864 $\pm$ 0.487 χ^2 /NDF: 485.4/22

+ sign 13.789 $\pm$ 0.396 χ^2 /NDF: 1864.8/55

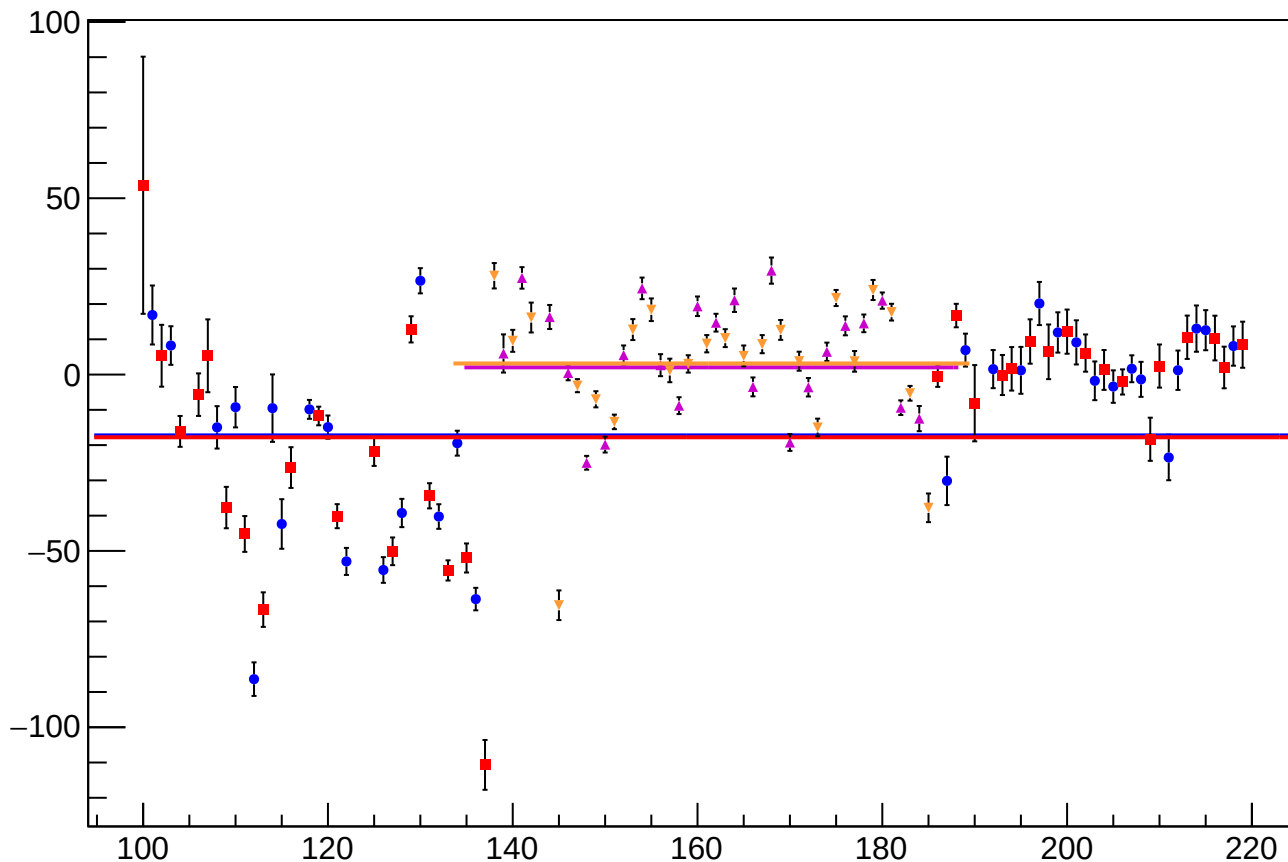
All: 14.122 $\pm$ 0.279 χ^2 /NDF: 3299.1/113

- sign 14.450 $\pm$ 0.393 χ^2 /NDF: 1432.9/57

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug



reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: -17.244 $\pm$ 0.818 χ^2/NDF : 1170.1/31

Left Out: 3.151 $\pm$ 0.544 χ^2/NDF : 813.9/23

Right Out: -17.782 $\pm$ 0.794 χ^2/NDF : 1128.5/34

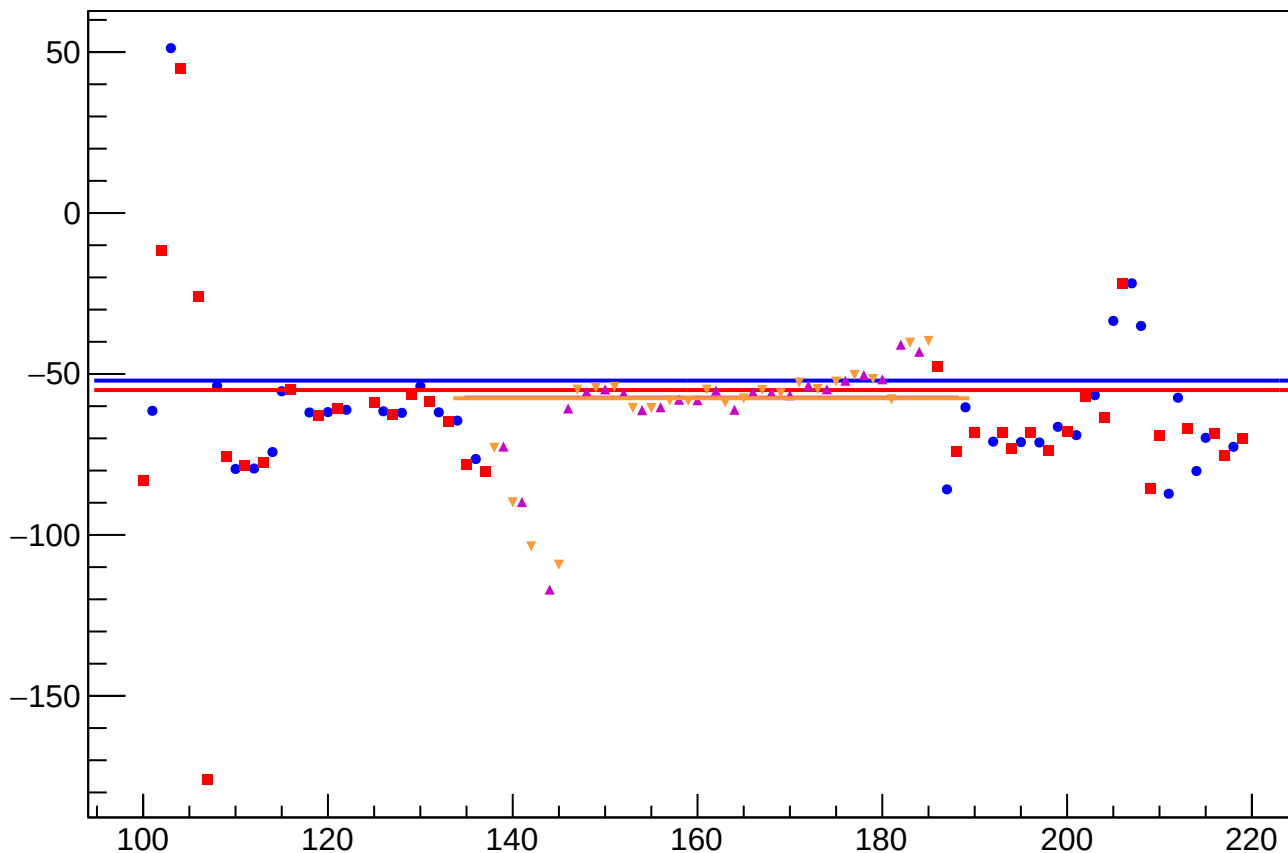
Left In: 2.050 $\pm$ 0.551 χ^2/NDF : 850.8/22

+ sign -3.104 $\pm$ 0.453 χ^2/NDF : 2415.5/55

All: -3.750 $\pm$ 0.320 χ^2/NDF : 4819.9/113

- sign -4.396 $\pm$ 0.453 χ^2/NDF : 2400.4/57

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -52.053 ± 0.040 $\chi^2/\text{NDF}: 733579.0/31$

Left Out: -57.532 ± 0.025 $\chi^2/\text{NDF}: 267030.7/23$

Right Out: -54.993 ± 0.040 $\chi^2/\text{NDF}: 643350.9/34$

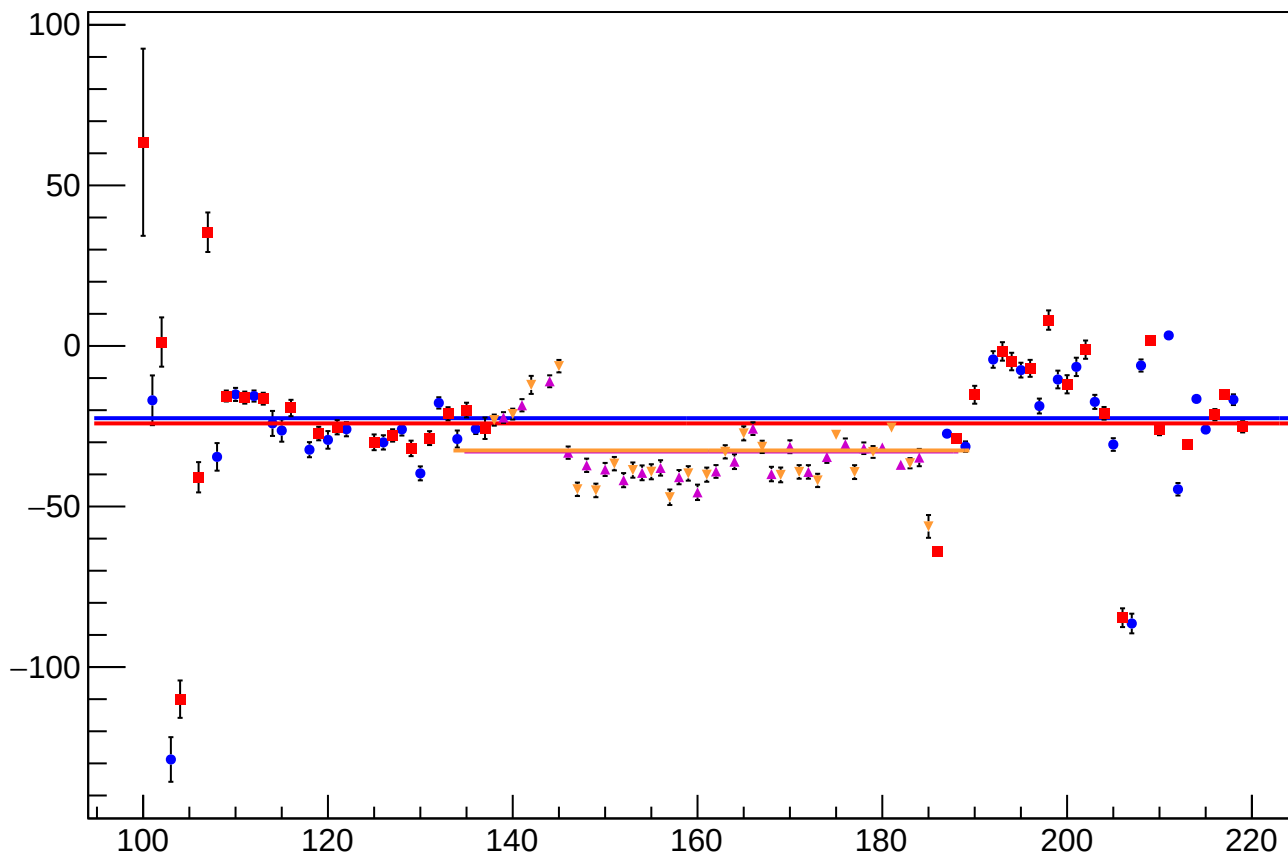
Left In: -57.377 ± 0.025 $\chi^2/\text{NDF}: 227136.8/22$

+ sign -55.988 ± 0.021 $\chi^2/\text{NDF}: 1014406.3/55$

All: -56.348 ± 0.015 $\chi^2/\text{NDF}: 1888081.6/113$

- sign -56.709 ± 0.021 $\chi^2/\text{NDF}: 873085.1/57$

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -22.497 ± 0.369 $\chi^2/\text{NDF}: 1555.3/31$

Left Out: -32.549 ± 0.407 $\chi^2/\text{NDF}: 603.6/23$

Right Out: -24.122 ± 0.345 $\chi^2/\text{NDF}: 2422.2/34$

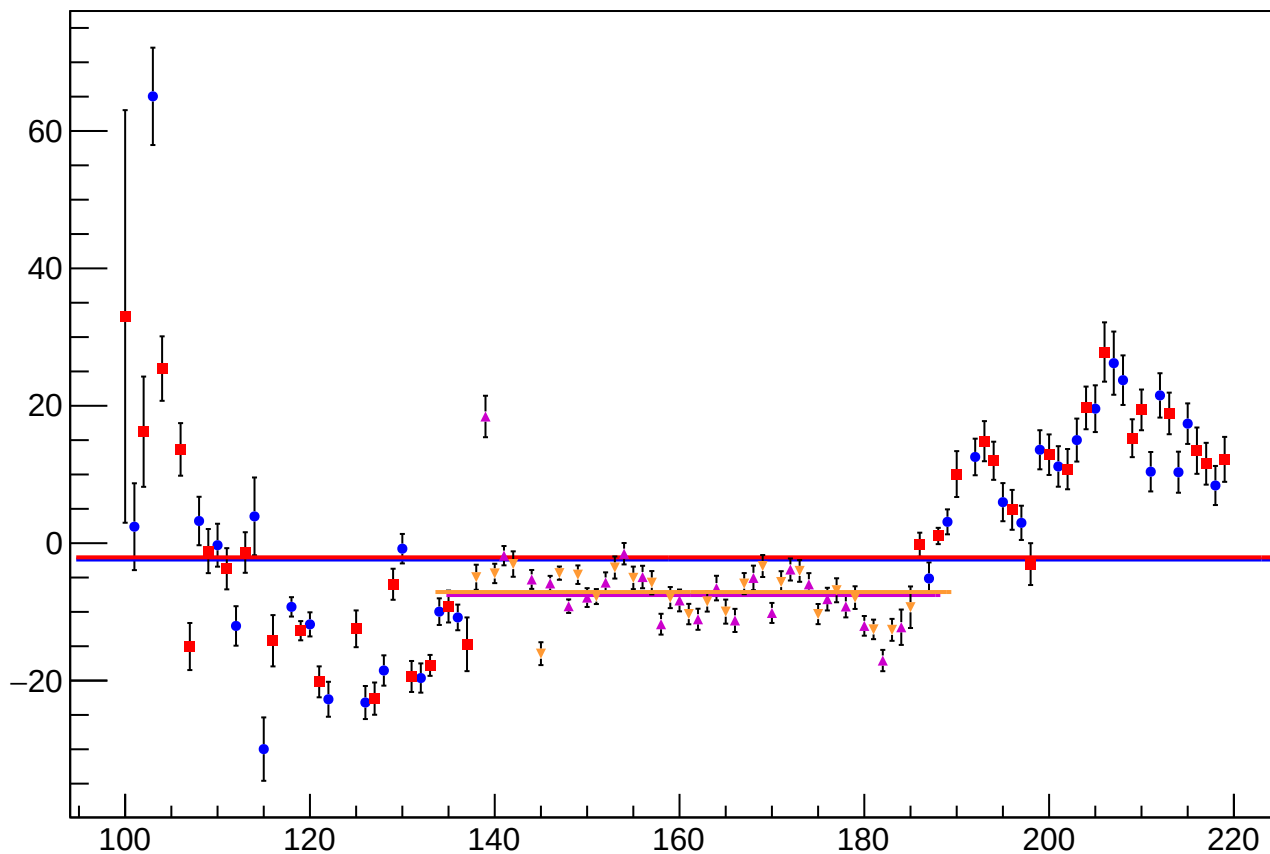
Left In: -32.867 ± 0.411 $\chi^2/\text{NDF}: 373.2/22$

+ sign -27.034 ± 0.273 $\chi^2/\text{NDF}: 2494.2/55$

All: -27.396 ± 0.190 $\chi^2/\text{NDF}: 5558.3/113$

- sign -27.735 ± 0.264 $\chi^2/\text{NDF}: 3060.6/57$

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -2.378 ± 0.456 χ^2/NDF : 913.2/31

Left Out: -7.110 ± 0.309 χ^2/NDF : 109.5/23

Right Out: -2.062 ± 0.432 χ^2/NDF : 914.8/34

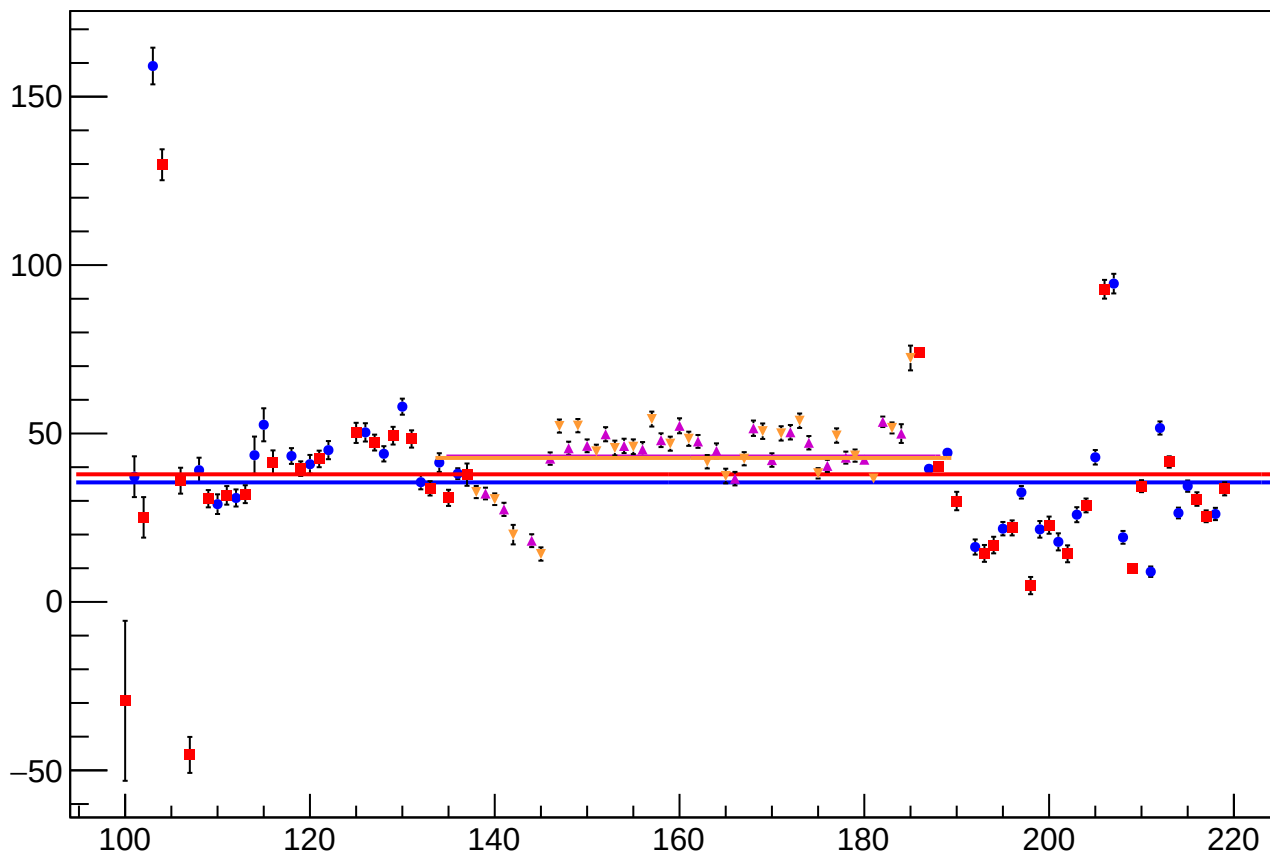
Left In: -7.547 ± 0.315 χ^2/NDF : 199.7/22

+ sign -5.618 ± 0.256 χ^2/NDF : 1096.5/55

All: -5.632 ± 0.181 χ^2/NDF : 2316.1/113

- sign -5.645 ± 0.255 χ^2/NDF : 1219.6/57

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: 35.485+/-0.377 χ^2/NDF : 1898.1/31

Left Out: 42.745+/-0.403 χ^2/NDF : 631.5/23

Right Out: 37.885+/-0.343 χ^2/NDF : 3149.7/34

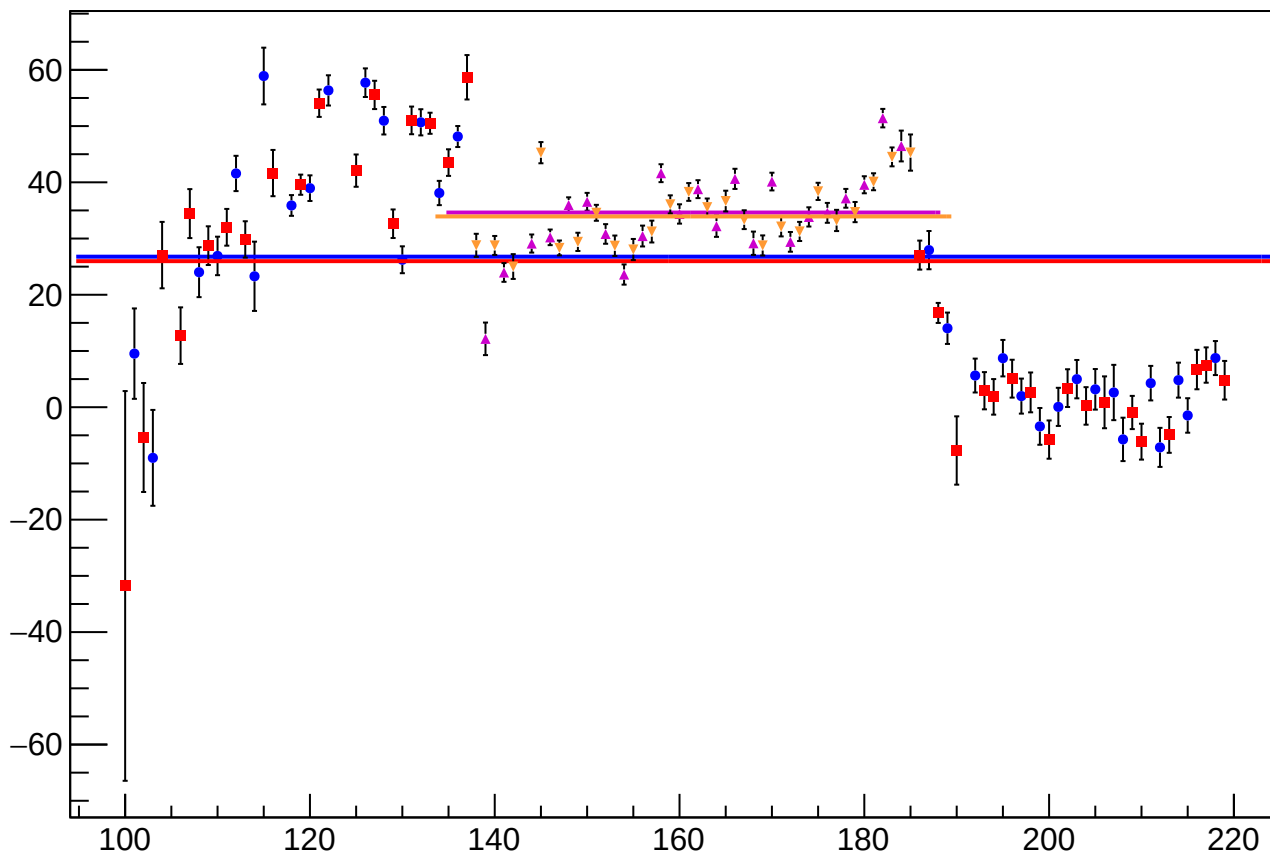
Left In: 43.169+/-0.407 χ^2/NDF : 413.0/22

+ sign 38.870+/-0.275 χ^2/NDF : 2702.6/55

All: 39.503+/-0.190 χ^2/NDF : 6374.0/113

- sign 40.077+/-0.262 χ^2/NDF : 3661.3/57

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 26.773 ± 0.525 χ^2/NDF : 1578.6/31

Left Out: 33.930 ± 0.351 χ^2/NDF : 216.5/23

Right Out: 25.978 ± 0.512 χ^2/NDF : 1658.3/34

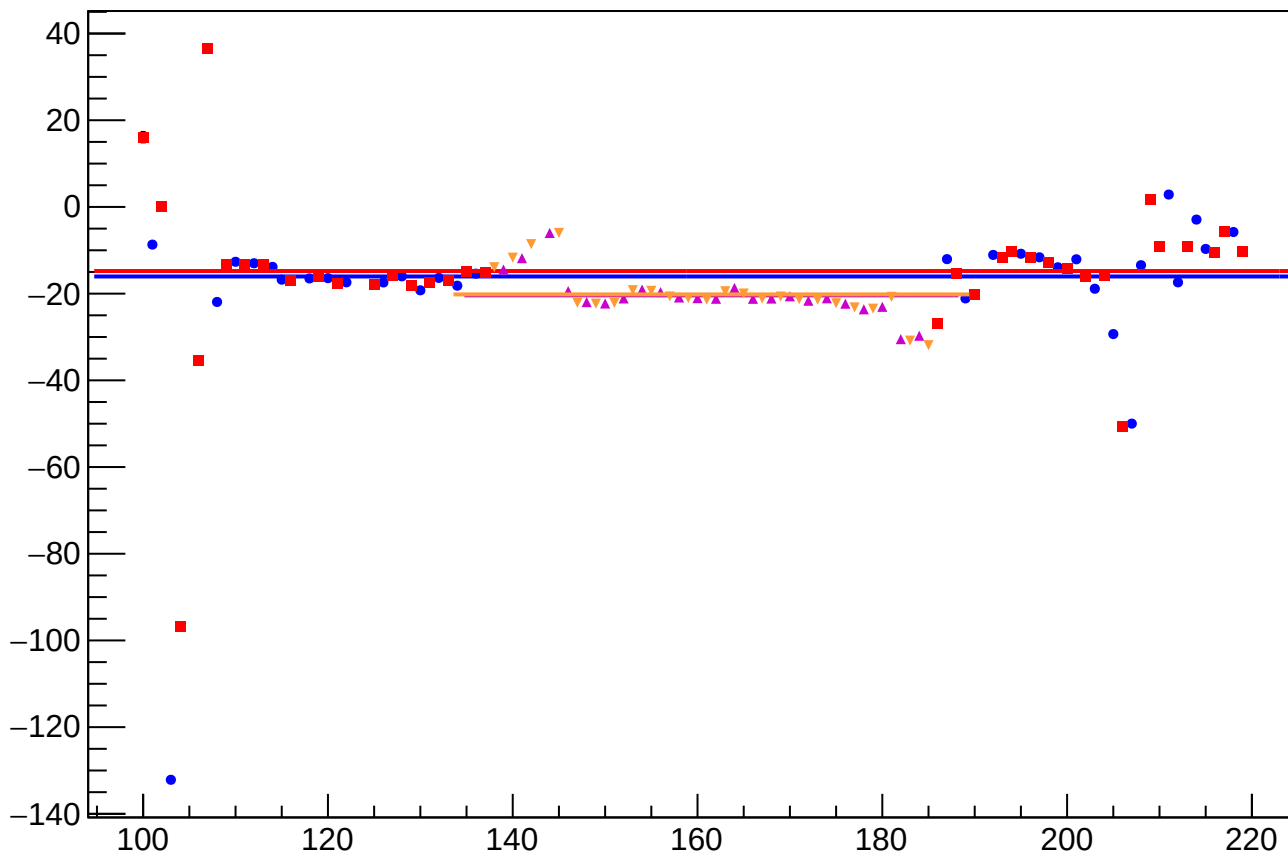
Left In: 34.623 ± 0.356 χ^2/NDF : 376.1/22

+ sign 31.724 ± 0.292 χ^2/NDF : 1923.5/55

All: 31.764 ± 0.207 χ^2/NDF : 4150.0/113

- sign 31.804 ± 0.292 χ^2/NDF : 2226.5/57

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: -16.039 ± 0.026 χ^2/NDF : 335885.2/31

Left Out: -20.174 ± 0.016 χ^2/NDF : 99947.2/23

Right Out: -14.783 ± 0.025 χ^2/NDF : 279239.2/34

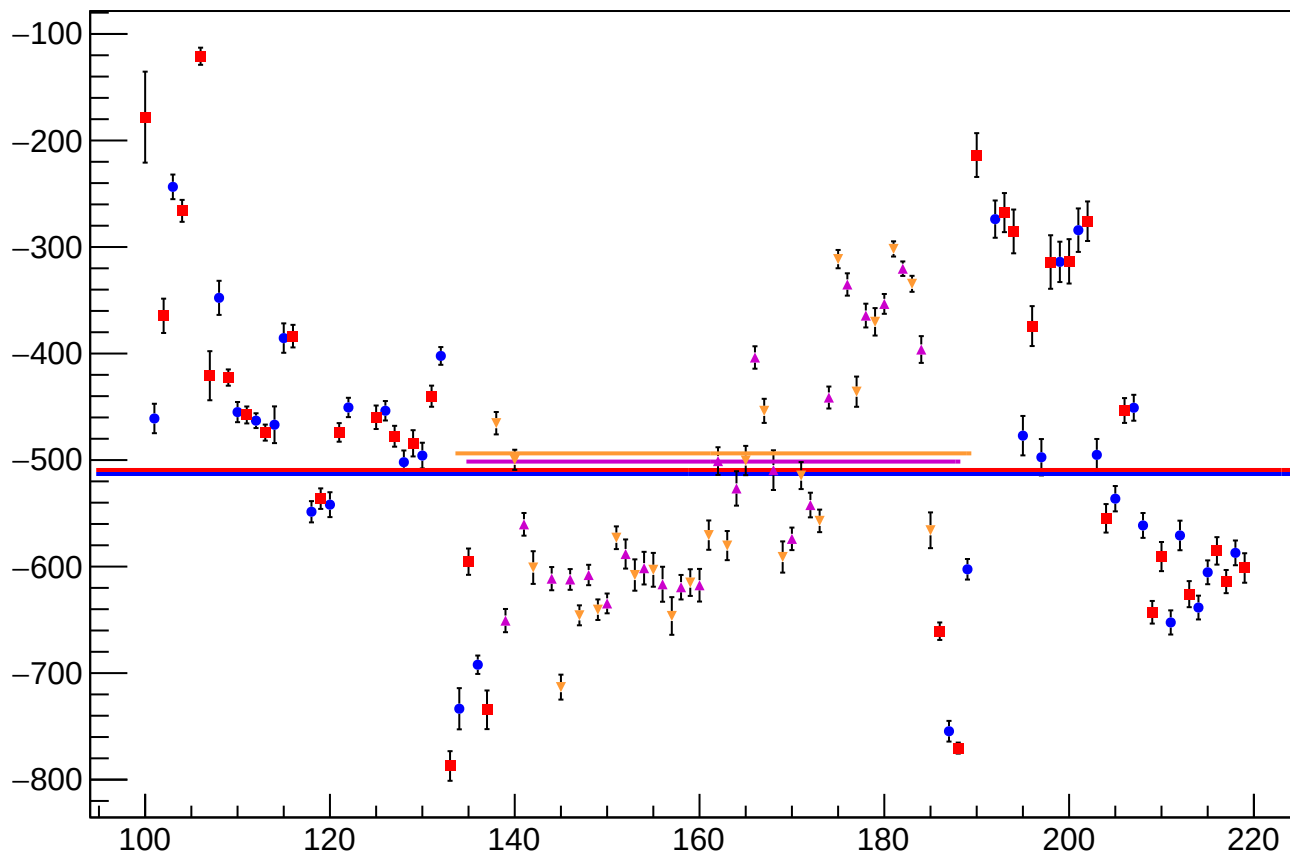
Left In: -20.396 ± 0.016 χ^2/NDF : 81154.4/22

+ sign -19.033 ± 0.013 χ^2/NDF : 454792.5/55

All: -18.922 ± 0.009 χ^2/NDF : 851030.6/113

- sign -18.812 ± 0.013 χ^2/NDF : 396101.4/57

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -513.085 $\pm$ 2.031 χ^2 /NDF: 3279.9/31

Left Out: -493.722 $\pm$ 2.295 χ^2 /NDF:3150.0/23

Right Out: -509.307 $\pm$ 1.863 χ^2 /NDF: 8330.4/34

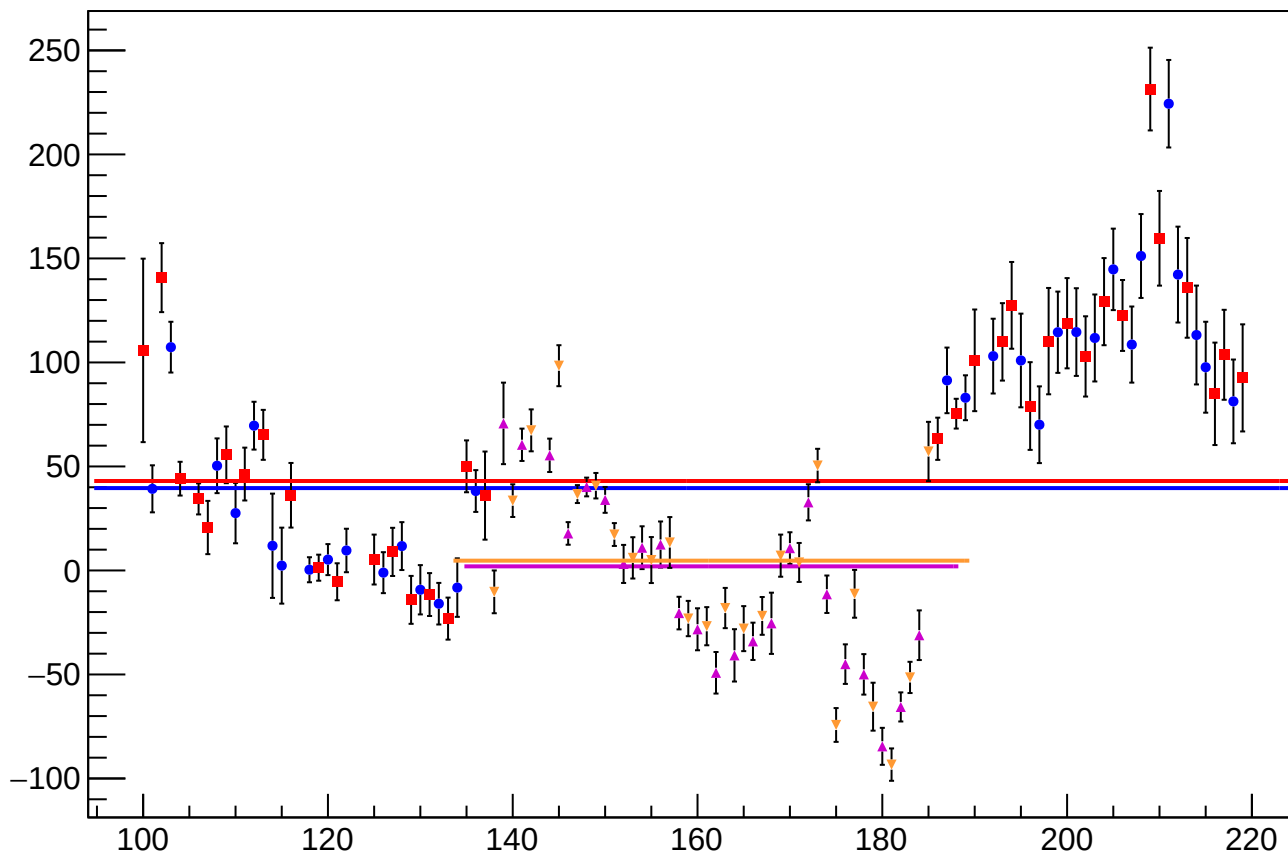
Left In: -501.425 $\pm$ 2.306 χ^2 /NDF:2689.3/22

+ sign -504.580 $\pm$ 1.521 χ^2 /NDF: 6469.8/55

All: -505.426 $\pm$ 1.049 χ^2 /NDF: 17497.2/113

- sign -506.194 $\pm$ 1.449 χ^2 /NDF: 11026.8/57

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 39.596 $\pm$ 2.305 χ^2 /NDF: 479.3/31

Left Out: 4.709 $\pm$ 1.696 χ^2 /NDF: 680.3/23

Right Out: 43.001 $\pm$ 2.152 χ^2 /NDF: 509.5/34

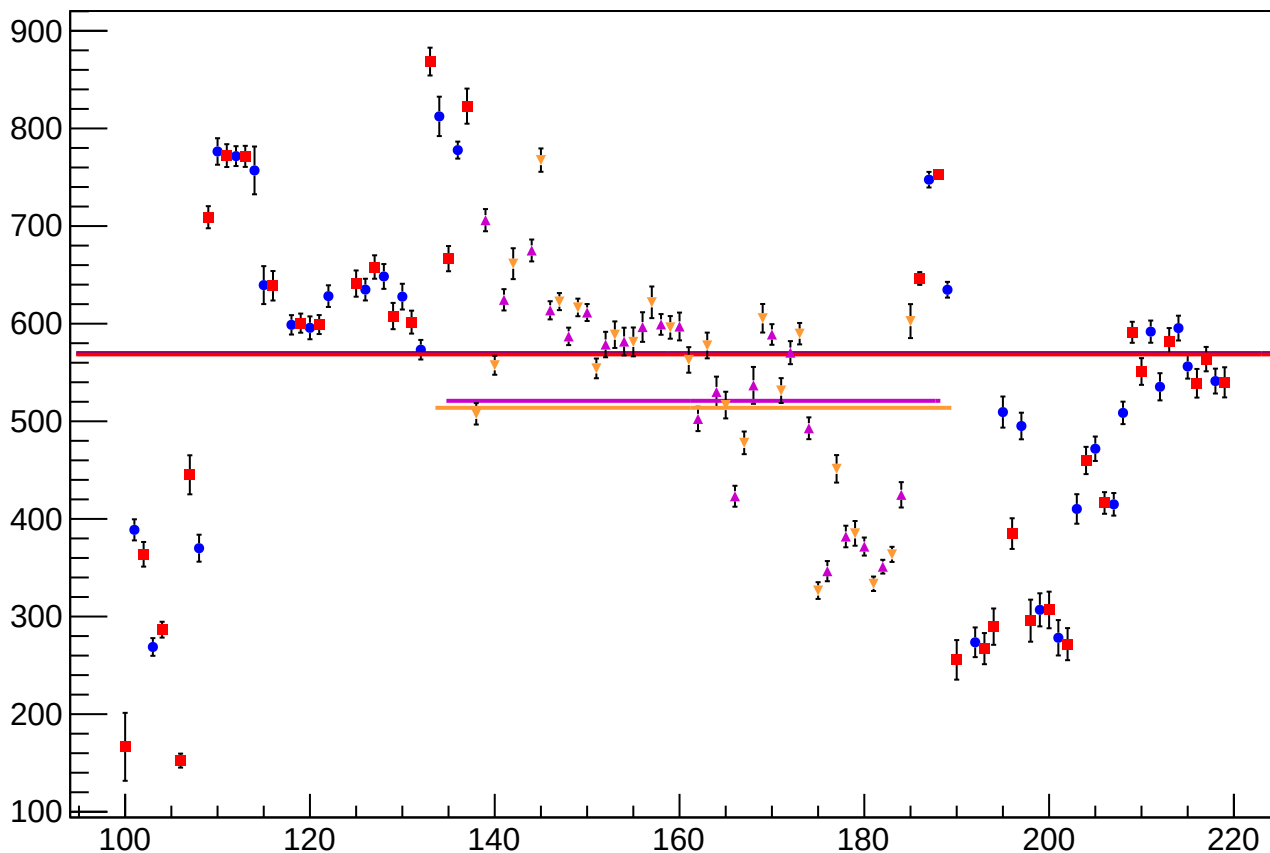
Left In: 1.970 $\pm$ 1.722 χ^2 /NDF: 560.8/22

+ sign 16.960 $\pm$ 1.366 χ^2 /NDF: 1308.3/55

All: 17.480 $\pm$ 0.958 χ^2 /NDF: 2600.5/113

- sign 17.984 $\pm$ 1.345 χ^2 /NDF: 1292.0/57

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 569.787 $\pm$ 2.107 χ^2 /NDF: 5021.0/31

Left Out: 513.833 $\pm$ 2.277 χ^2 /NDF: 2735.5/23

Right Out: 568.544 $\pm$ 1.876 χ^2 /NDF: 10681.7/34

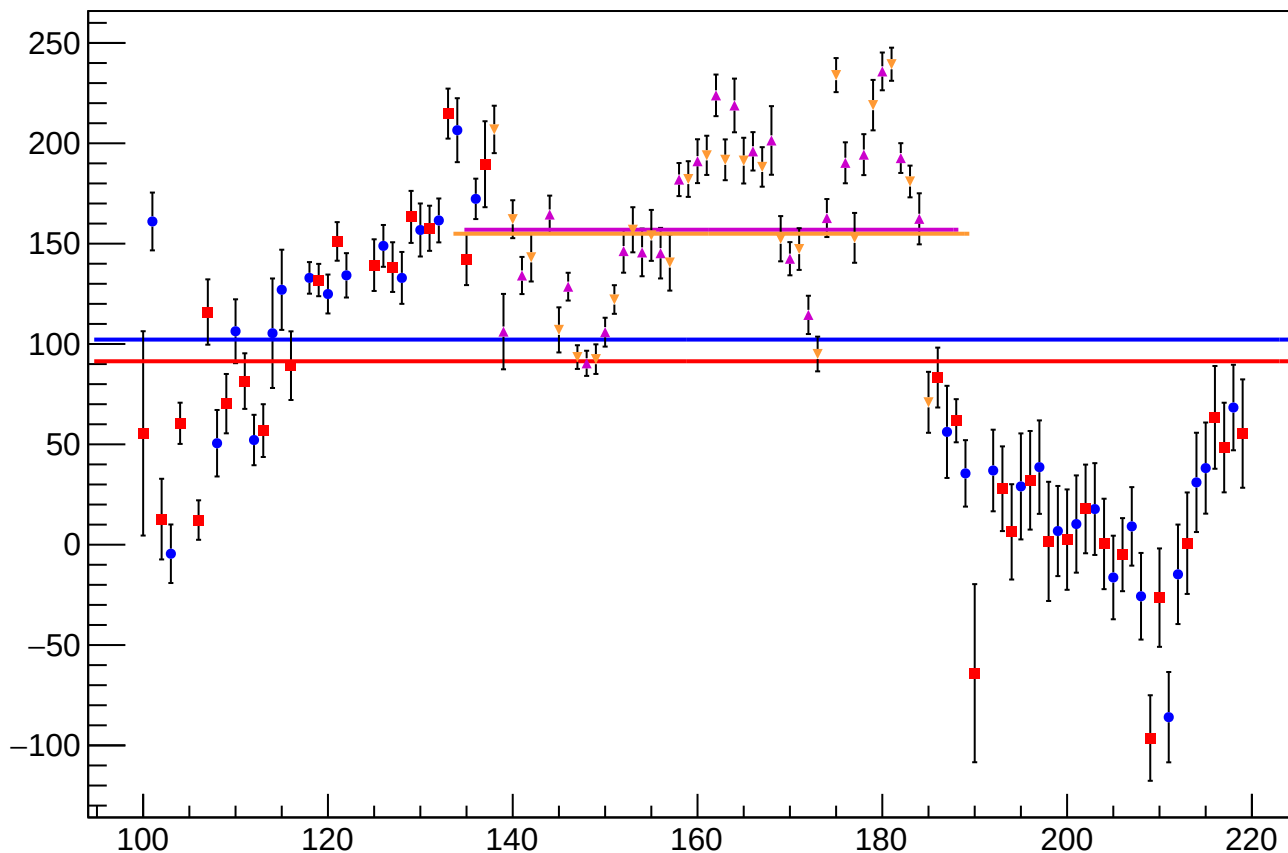
Left In: 520.990 $\pm$ 2.283 χ^2 /NDF: 2442.8/22

+ sign 543.973 $\pm$ 1.546 χ^2 /NDF: 8081.8/55

All: 546.852 $\pm$ 1.058 χ^2 /NDF: 21471.8/113

- sign 549.381 $\pm$ 1.449 χ^2 /NDF: 13383.4/57

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 102.200 $\pm$ 2.686 χ^2 /NDF: 583.0/31

Left Out: 154.944 $\pm$ 1.953 χ^2 /NDF: 609.0/23

Right Out: 91.396 $\pm$ 2.562 χ^2 /NDF: 639.1/34

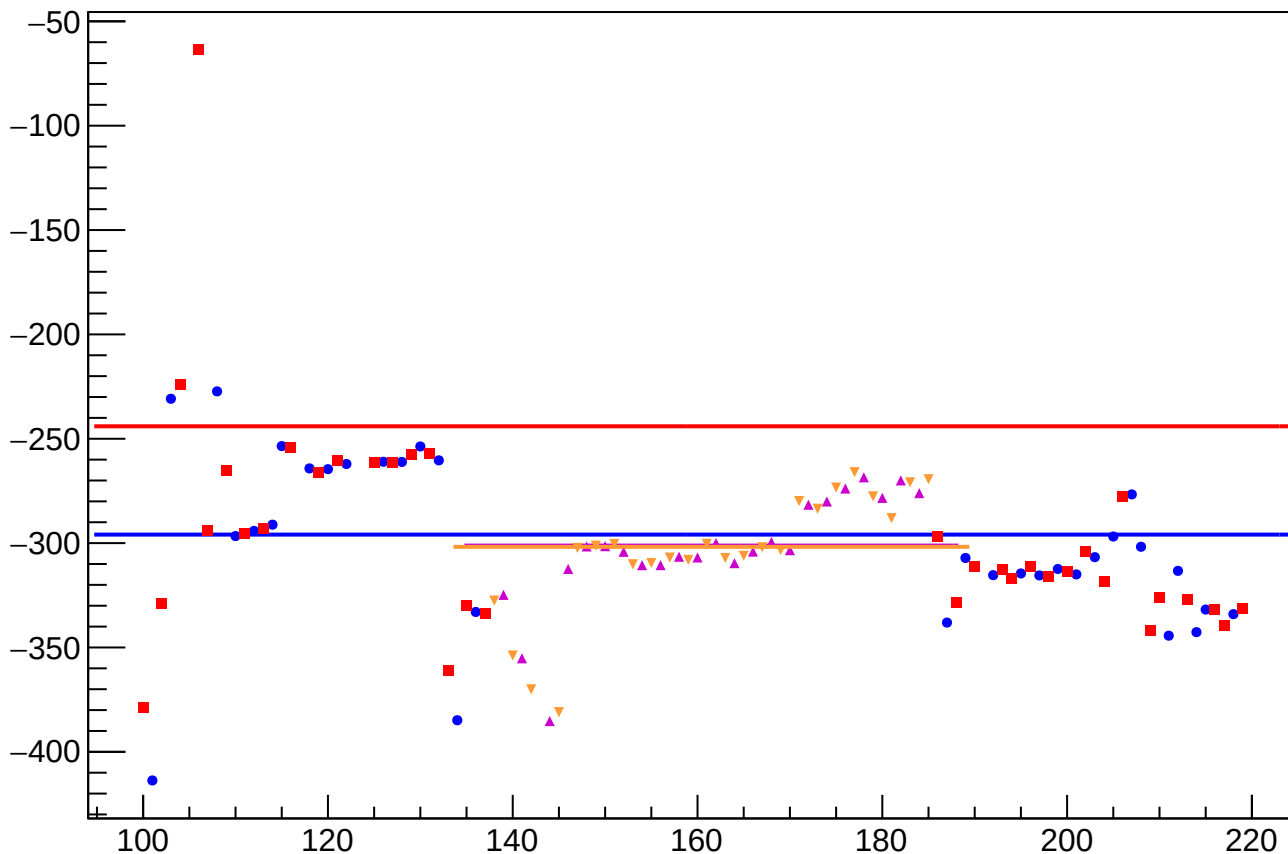
Left In: 156.934 $\pm$ 1.971 χ^2 /NDF: 443.2/22

+ sign 136.698 $\pm$ 1.580 χ^2 /NDF: 1444.3/55

All: 134.609 $\pm$ 1.111 χ^2 /NDF: 2941.1/113

- sign 132.565 $\pm$ 1.562 χ^2 /NDF: 1493.3/57

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -295.920 ± 0.137 $\chi^2/\text{NDF}: 119454.5/31$

Left Out: -301.785 ± 0.091 $\chi^2/\text{NDF}: 86719.4/23$

Right Out: -244.032 ± 0.121 $\chi^2/\text{NDF}: 715929.5/34$

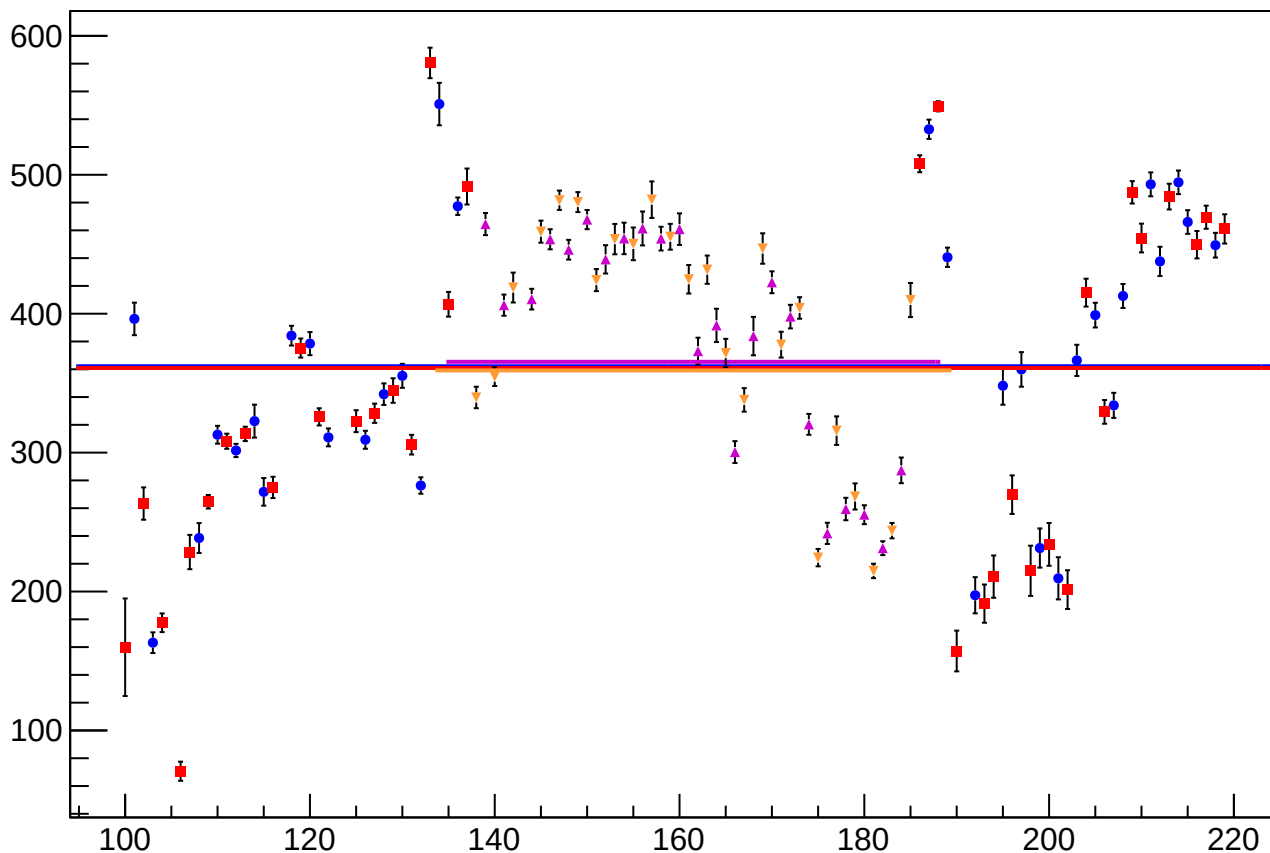
Left In: -301.176 ± 0.090 $\chi^2/\text{NDF}: 75325.3/22$

+ sign -299.994 ± 0.076 $\chi^2/\text{NDF}: 207448.7/55$

All: -289.949 ± 0.052 $\chi^2/\text{NDF}: 1176049.0/11$

- sign -280.801 ± 0.072 $\chi^2/\text{NDF}: 934926.9/57$

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 362.141 ± 1.462 χ^2/NDF : 3932.4/31

Left Out: 359.188 ± 1.681 χ^2/NDF : 3187.9/23

Right Out: 360.919 ± 1.336 χ^2/NDF : 8995.3/34

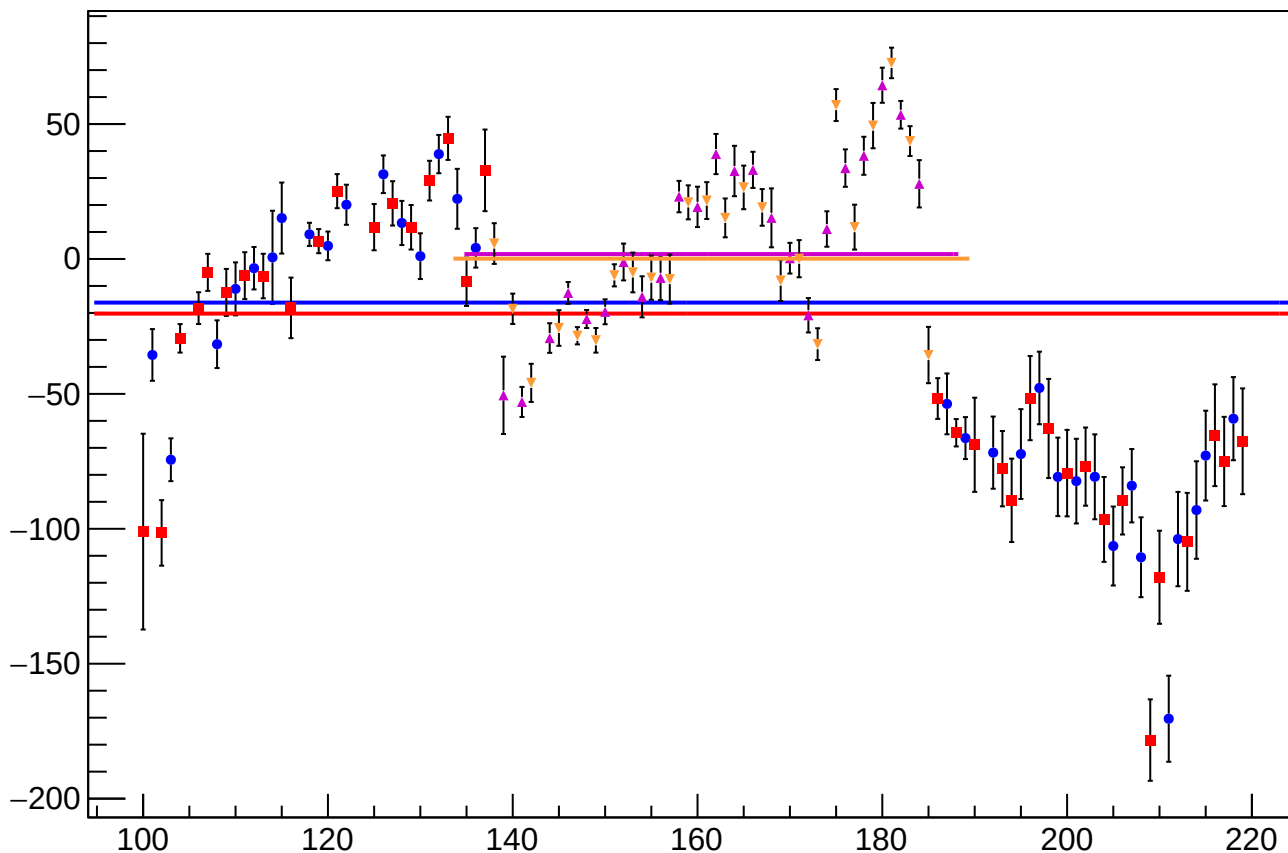
Left In: 365.362 ± 1.692 χ^2/NDF : 2739.5/22

+ sign 360.869 ± 1.103 χ^2/NDF : 7122.0/55

All: 361.792 ± 0.760 χ^2/NDF : 18862.4/113

- sign 362.626 ± 1.049 χ^2/NDF : 11739.0/57

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -16.166 ± 1.657 χ^2/NDF : 689.2/31

Left Out: 0.114 ± 1.247 χ^2/NDF : 637.9/23

Right Out: -20.243 ± 1.531 χ^2/NDF : 747.6/34

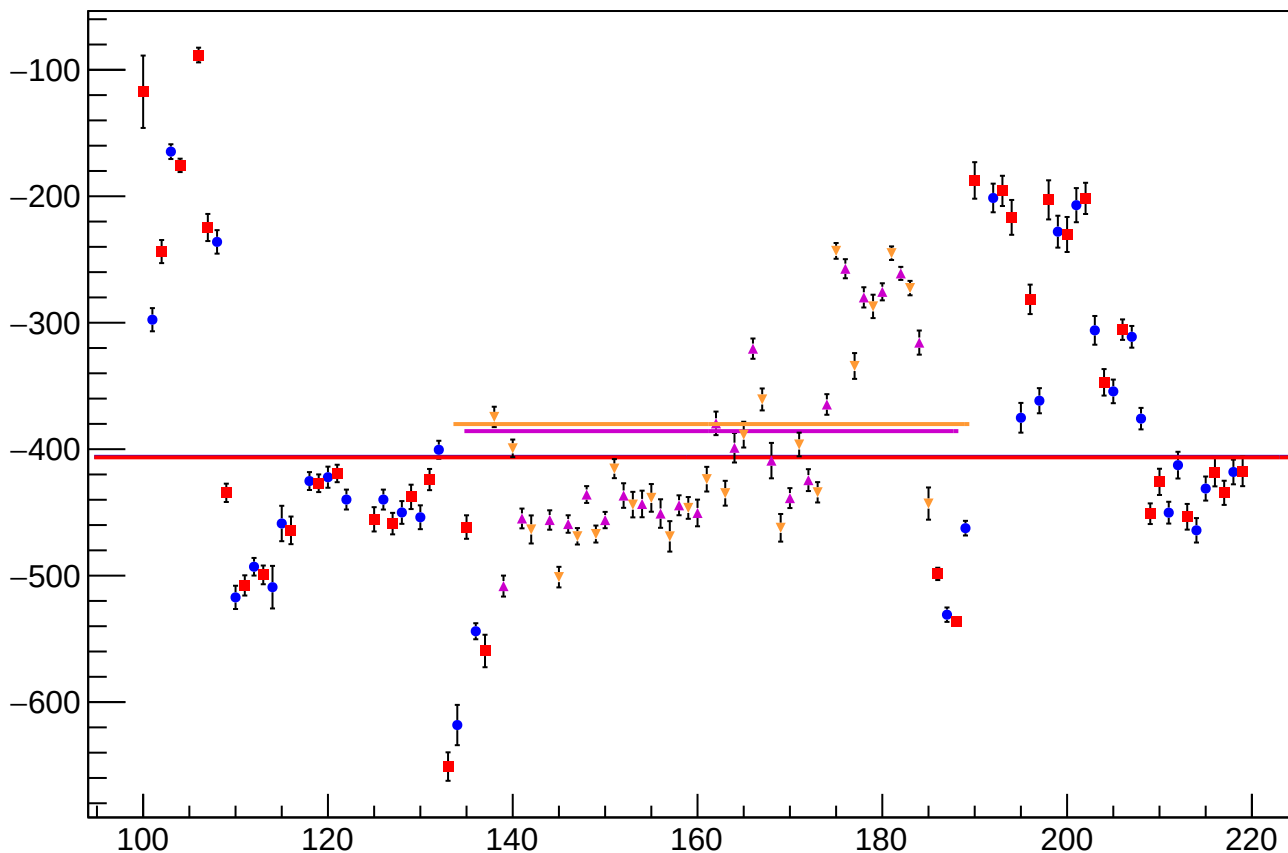
Left In: 1.812 ± 1.267 χ^2/NDF : 577.0/22

+ sign -5.769 ± 0.996 χ^2/NDF : 1388.7/55

All: -6.476 ± 0.697 χ^2/NDF : 2837.5/113

- sign -7.154 ± 0.976 χ^2/NDF : 1447.8/57

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -406.056+/-1.523 χ^2 /NDF: 4940.4/31

Left Out: -380.144+/-1.670 χ^2 /NDF: 2618.6/23

Right Out: -406.453+/-1.350 χ^2 /NDF: 10725.7/34

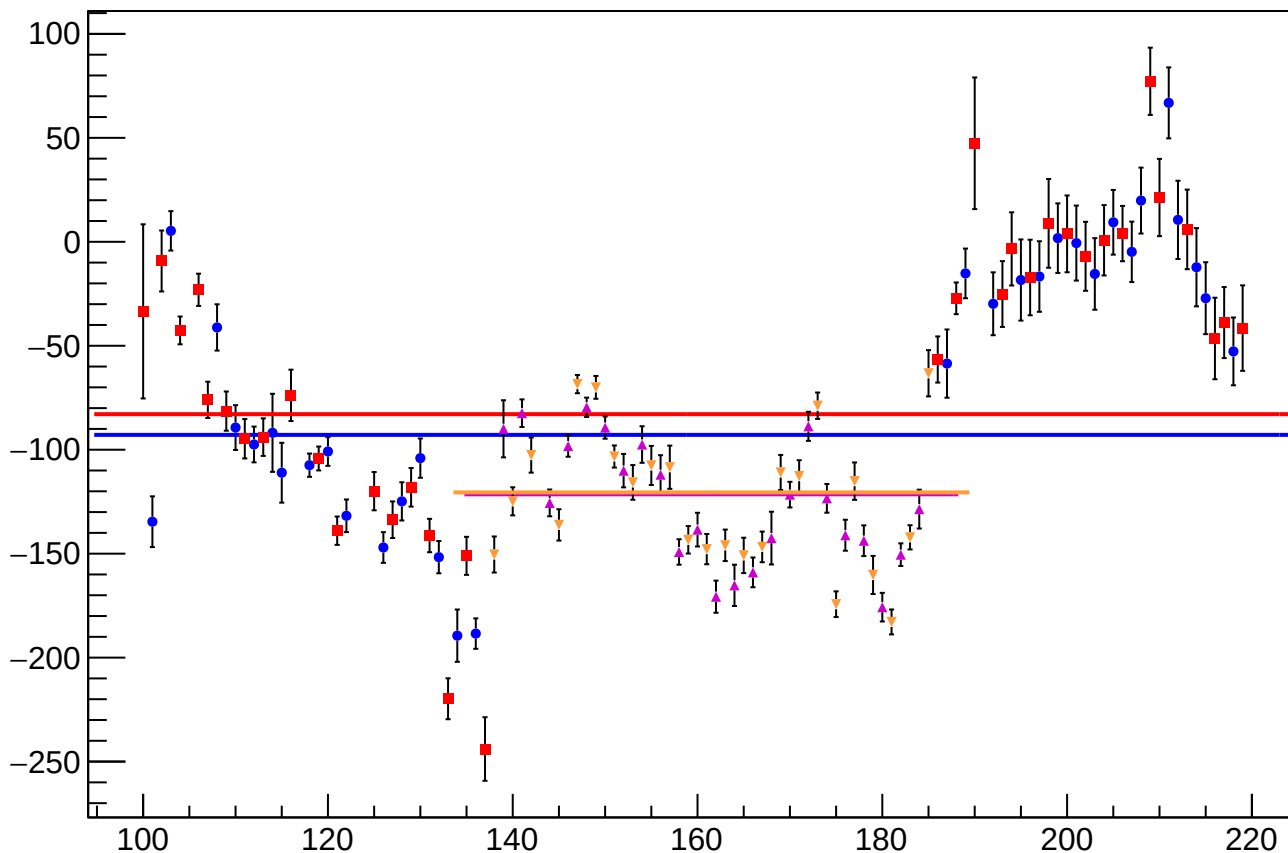
Left In: -385.725+/-1.677 χ^2 /NDF: 2361.2/22

+ sign -394.291+/-1.125 χ^2 /NDF: 7690.5/55

All: -396.430+/-0.768 χ^2 /NDF: 20876.9/113

- sign -398.300+/-1.052 χ^2 /NDF: 13179.6/57

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -92.860 ± 1.932 χ^2/NDF : 993.2/31

Left Out: -120.541 ± 1.435 χ^2/NDF : 611.5/23

Right Out: -82.907 ± 1.822 χ^2/NDF : 1101.1/34

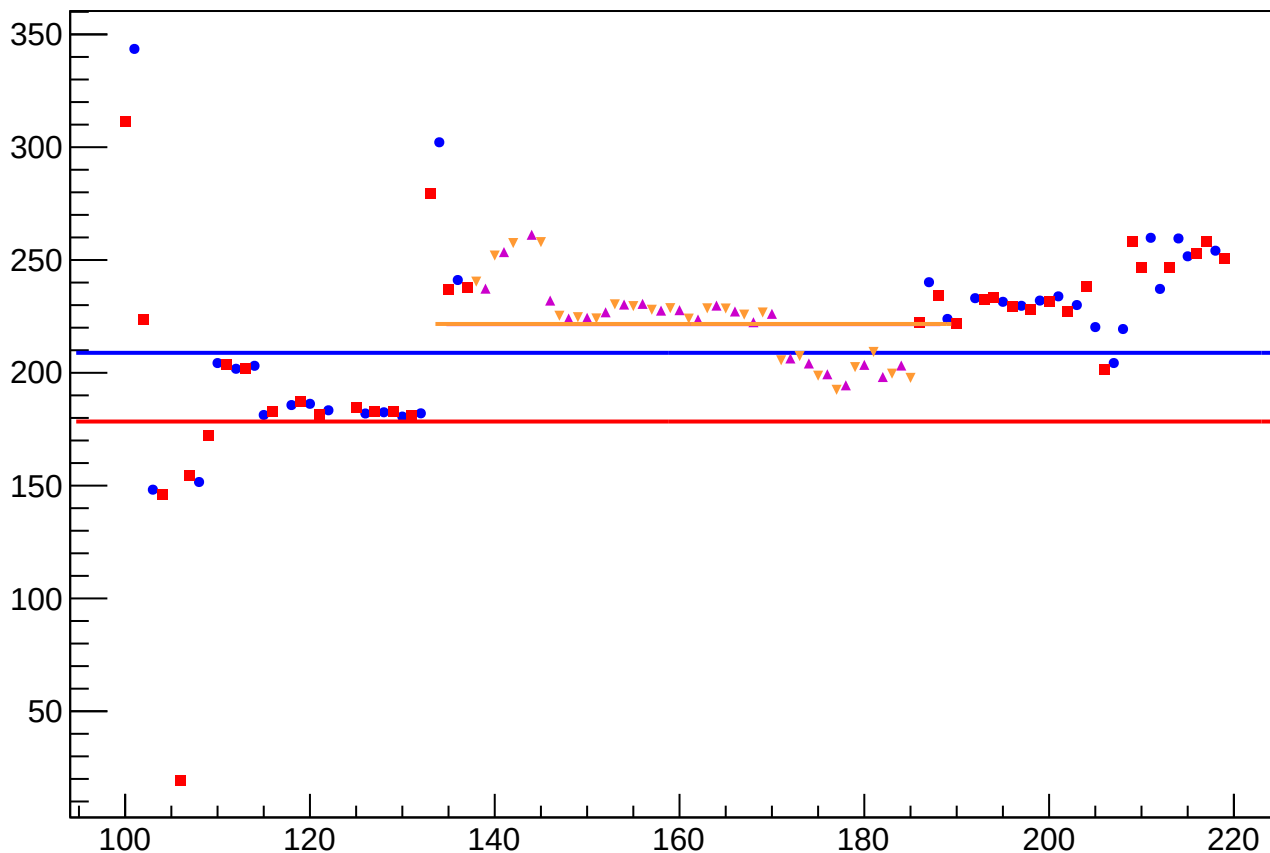
Left In: -121.453 ± 1.450 χ^2/NDF : 432.6/22

+ sign -110.697 ± 1.152 χ^2/NDF : 1737.0/55

All: -108.574 ± 0.808 χ^2/NDF : 3551.4/113

- sign -106.515 ± 1.135 χ^2/NDF : 1807.7/57

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 208.860 $\pm$ 0.098 χ^2 /NDF: 214597.2/31

Left Out: 221.652 $\pm$ 0.067 χ^2 /NDF: 67213.0/23

Right Out: 178.408 $\pm$ 0.089 χ^2 /NDF: 689156.5/34

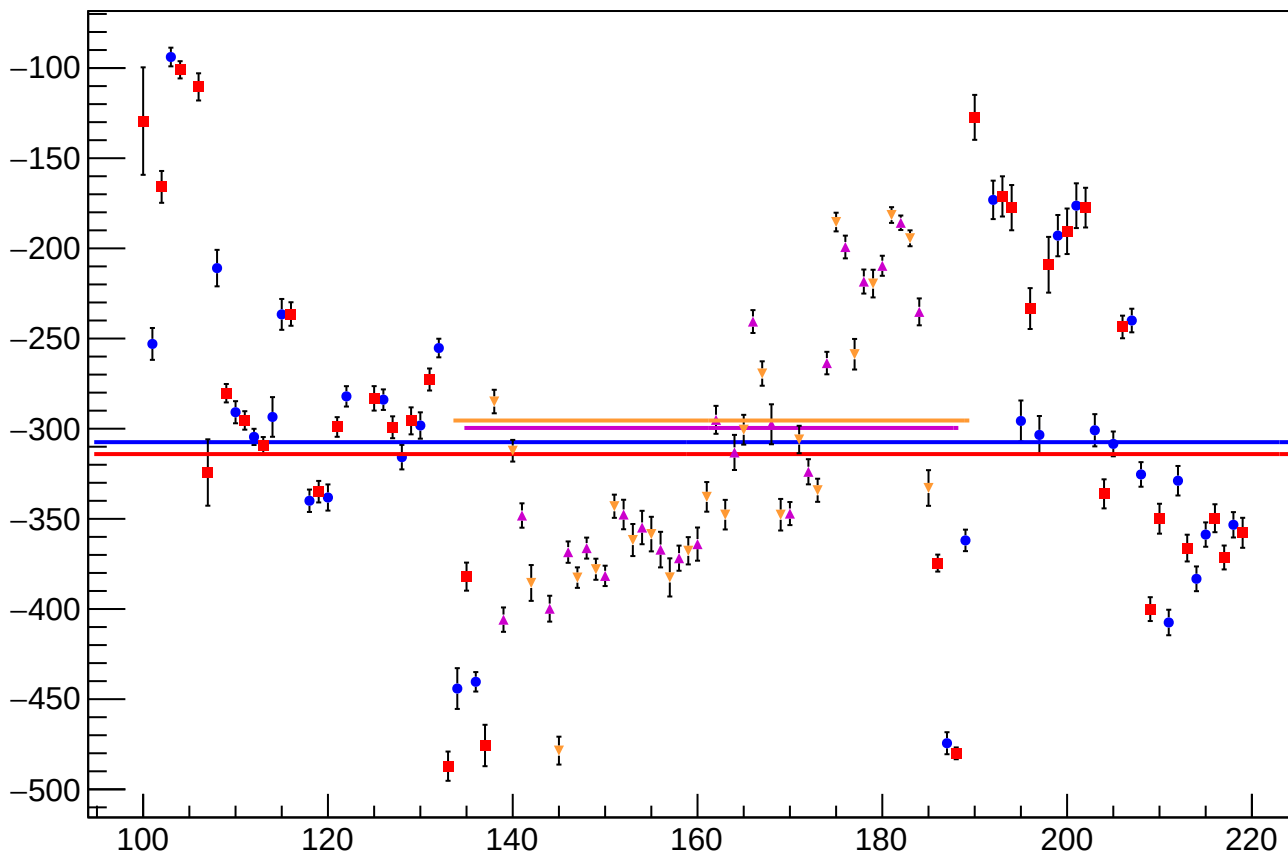
Left In: 221.574 $\pm$ 0.066 χ^2 /NDF: 62122.0/22

+ sign 217.620 $\pm$ 0.055 χ^2 /NDF: 293411.2/55

All: 211.758 $\pm$ 0.038 χ^2 /NDF: 1216833.7/113

- sign 206.303 $\pm$ 0.053 χ^2 /NDF: 901634.9/57

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -307.464 ± 1.234 χ^2/NDF : 4595.8/31

Left Out: -295.464 ± 1.393 χ^2/NDF : 3346.3/23

Right Out: -314.081 ± 1.154 χ^2/NDF : 8141.2/34

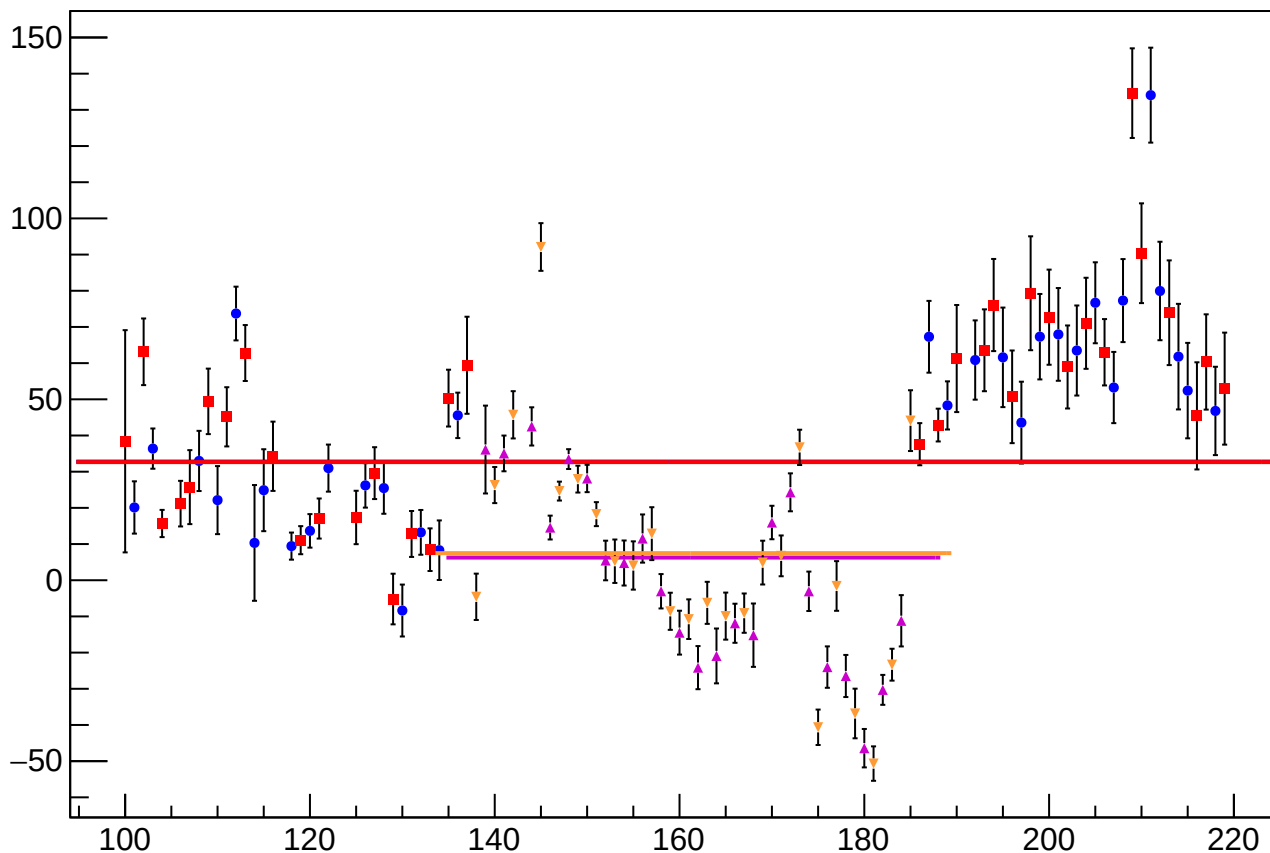
Left In: -299.588 ± 1.397 χ^2/NDF : 2971.7/22

+ sign -302.186 ± 0.924 χ^2/NDF : 7983.7/55

All: -305.308 ± 0.641 χ^2/NDF : 19182.6/113

- sign -308.203 ± 0.890 χ^2/NDF : 11176.9/57

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 32.784 ± 1.402 $\chi^2/\text{NDF}: 317.2/31$

Left Out: 7.486 ± 1.030 $\chi^2/\text{NDF}: 738.5/23$

Right Out: 32.648 ± 1.318 $\chi^2/\text{NDF}: 339.0/34$

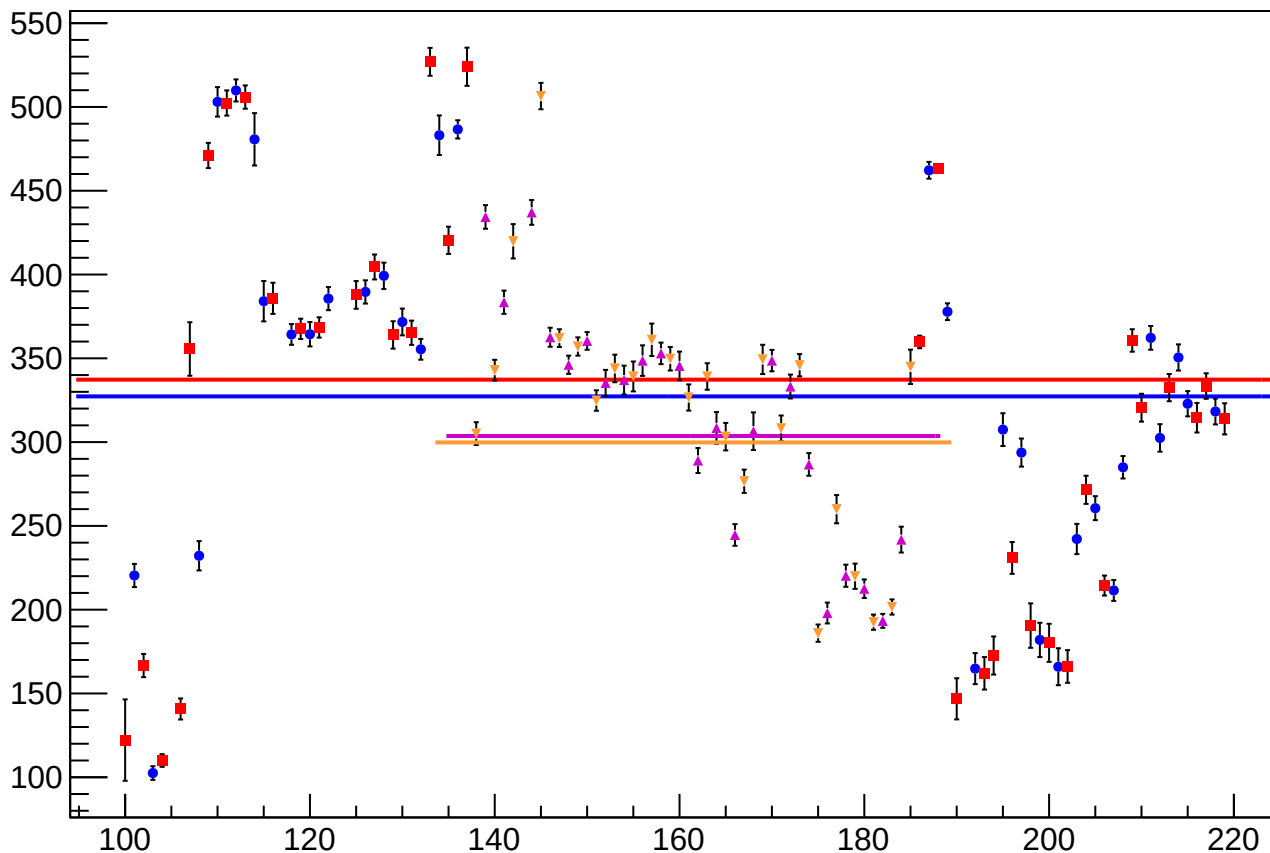
Left In: 6.259 ± 1.045 $\chi^2/\text{NDF}: 559.4/22$

+ sign 16.350 ± 0.830 $\chi^2/\text{NDF}: 1267.2/55$

All: 16.396 ± 0.583 $\chi^2/\text{NDF}: 2411.7/113$

- sign 16.442 ± 0.819 $\chi^2/\text{NDF}: 1144.5/57$

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 327.277 $\pm$ 1.263 χ^2 /NDF: 8259.2/31

Left Out: 299.825 $\pm$ 1.381 χ^2 /NDF:3076.1/23

Right Out: 337.269 $\pm$ 1.148 χ^2 /NDF: 12171.0/34

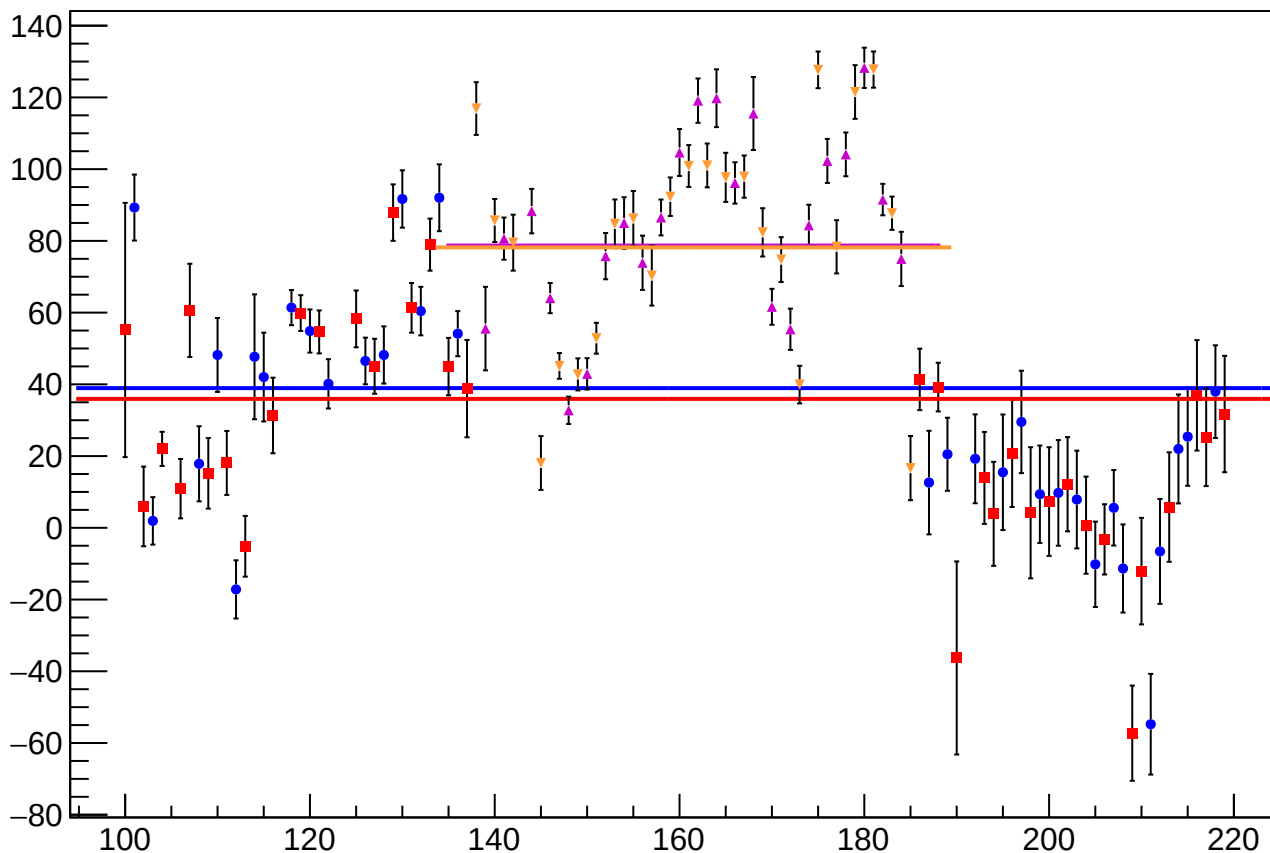
Left In: 303.652 $\pm$ 1.383 χ^2 /NDF:2872.6/22

+ sign 314.769 $\pm$ 0.932 χ^2 /NDF: 11550.4/55

All: 319.401 $\pm$ 0.641 χ^2 /NDF: 26990.9/113

- sign 323.557 $\pm$ 0.883 χ^2 /NDF: 15393.7/57

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 38.946 $\pm$ 1.632 χ^2 /NDF: 362.7/31

Left Out: 78.181 $\pm$ 1.185 χ^2 /NDF: 663.3/23

Right Out: 35.950 $\pm$ 1.569 χ^2 /NDF: 310.2/34

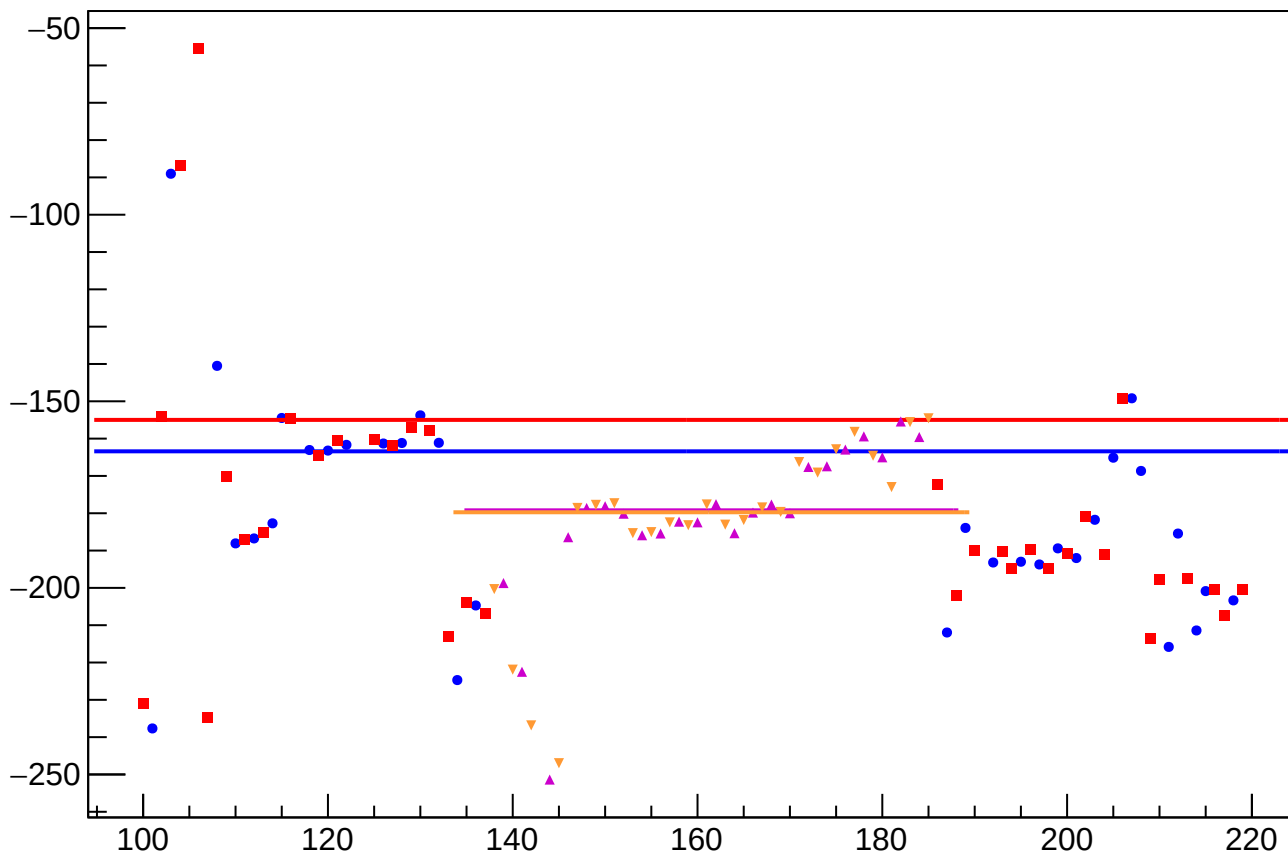
Left In: 78.689 $\pm$ 1.195 χ^2 /NDF: 488.6/22

+ sign 64.643 $\pm$ 0.959 χ^2 /NDF: 1404.6/55

All: 63.813 $\pm$ 0.675 χ^2 /NDF: 2674.6/113

- sign 62.997 $\pm$ 0.950 χ^2 /NDF: 1268.5/57

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -163.406 ± 0.079 χ^2/NDF : 322268.1/31

Left Out: -179.738 ± 0.055 χ^2/NDF : 132199.5/23

Right Out: -154.984 ± 0.076 χ^2/NDF : 444955.3/34

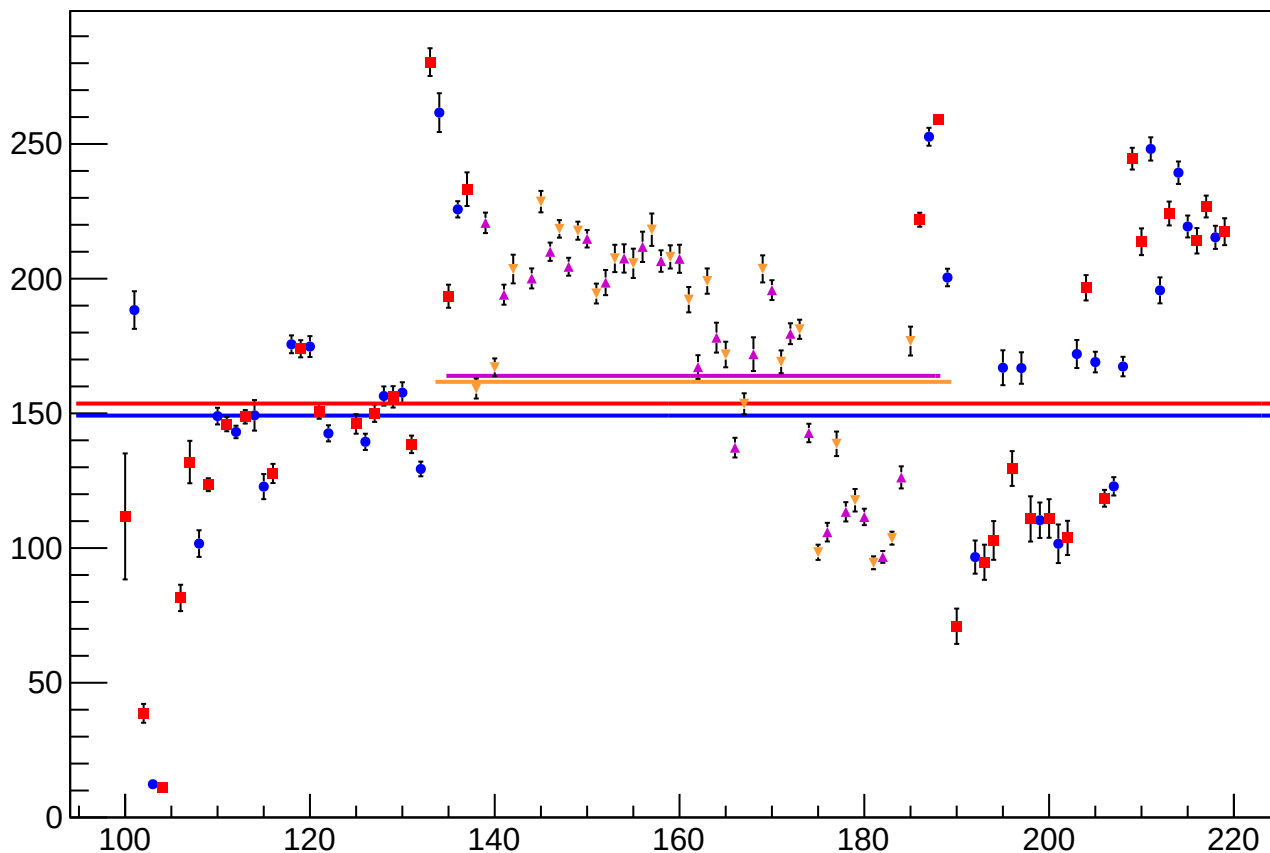
Left In: -179.219 ± 0.055 χ^2/NDF : 113522.5/22

+ sign -174.420 ± 0.045 χ^2/NDF : 483181.0/55

All: -172.708 ± 0.032 χ^2/NDF : 1111077.1/11

- sign -171.053 ± 0.044 χ^2/NDF : 625069.7/57

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 149.183 $\pm$ 0.650 χ^2 /NDF: 10044.4/31

Left Out: 161.708 $\pm$ 0.776 χ^2 /NDF: 3587.3/23

Right Out: 153.650 $\pm$ 0.605 χ^2 /NDF: 15039.0/34

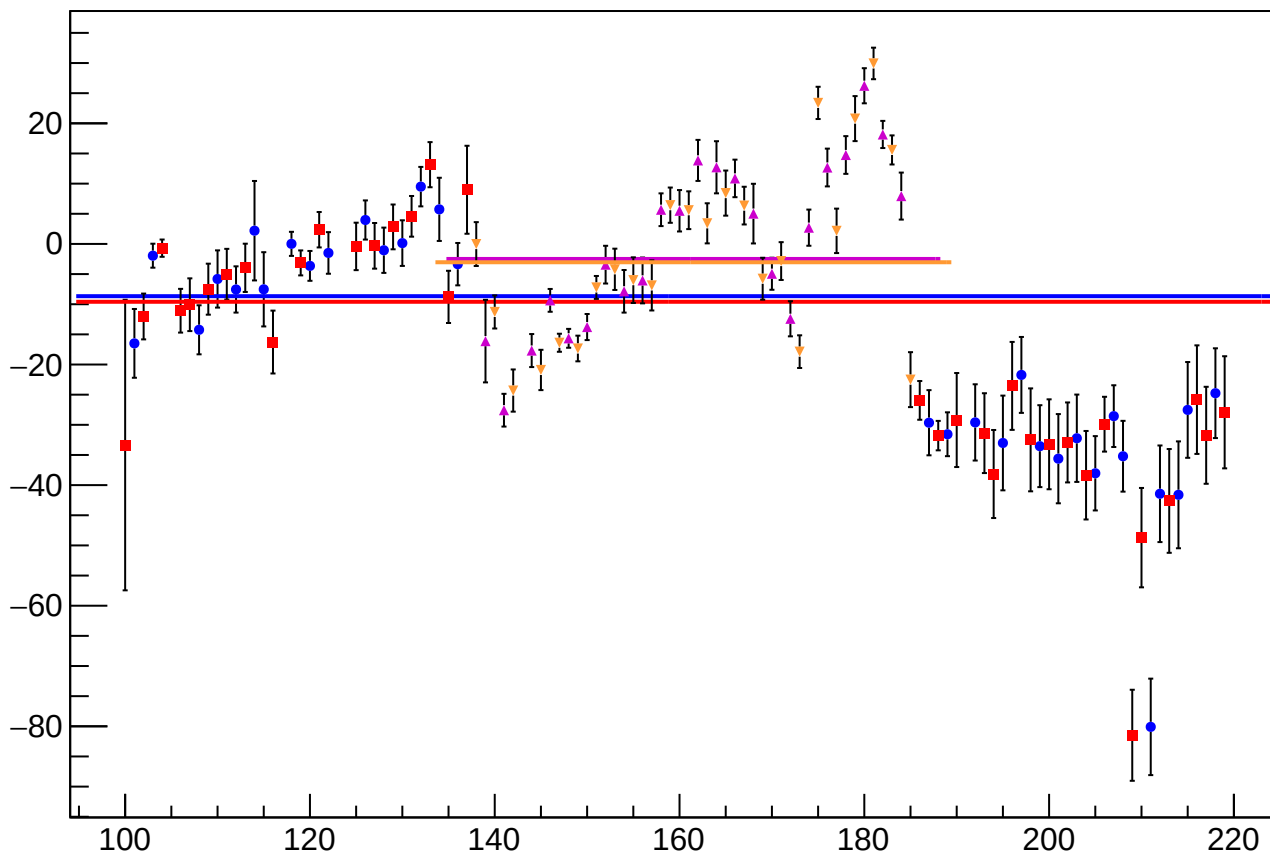
Left In: 163.927 $\pm$ 0.779 χ^2 /NDF: 3335.5/22

+ sign 154.348 $\pm$ 0.498 χ^2 /NDF: 13784.7/55

All: 155.998 $\pm$ 0.345 χ^2 /NDF: 32288.7/113

- sign 157.513 $\pm$ 0.478 χ^2 /NDF: 18483.0/57

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -8.666 ± 0.735 χ^2/NDF : 405.8/31

Left Out: -3.038 ± 0.578 χ^2/NDF : 654.5/23

Right Out: -9.592 ± 0.669 χ^2/NDF : 507.4/34

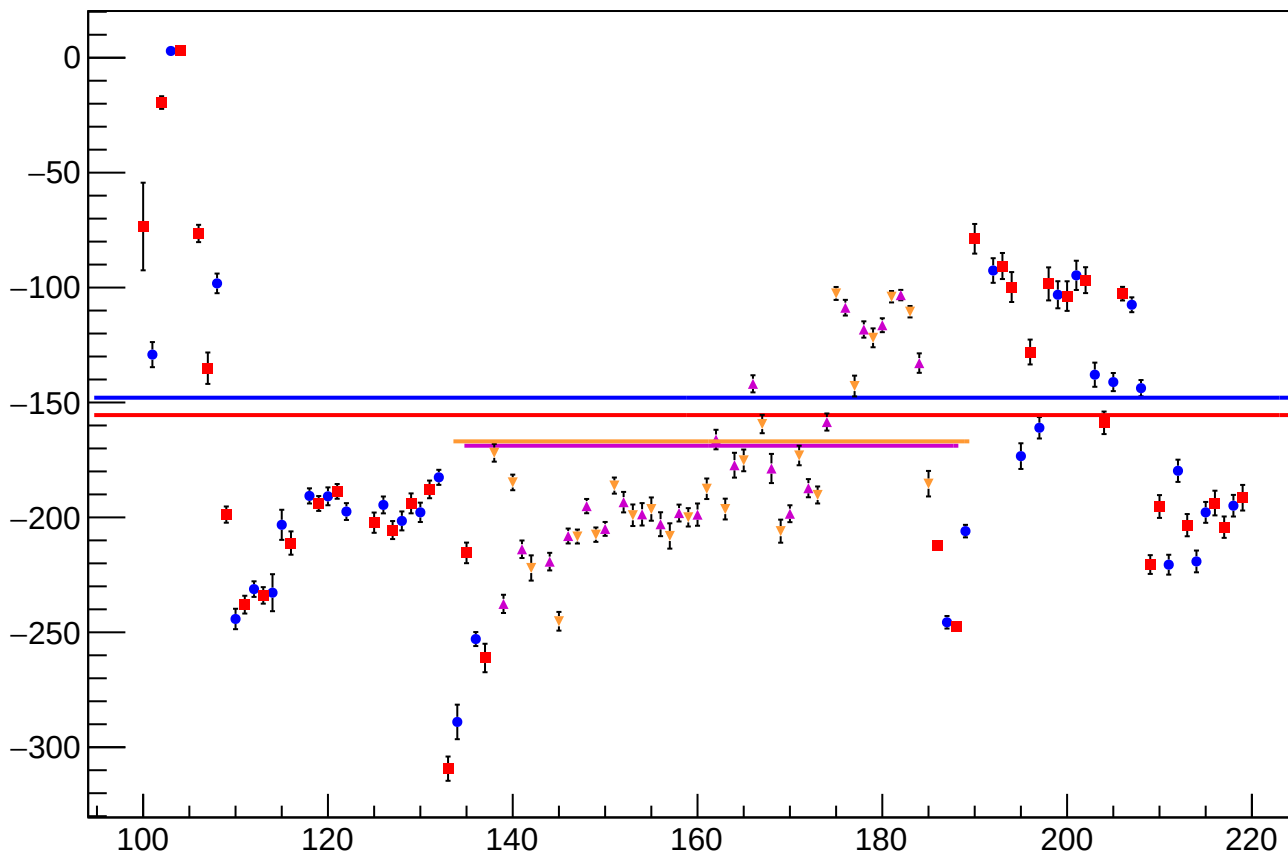
Left In: -2.492 ± 0.587 χ^2/NDF : 562.9/22

+ sign -5.188 ± 0.455 χ^2/NDF : 1096.4/55

All: -5.389 ± 0.317 χ^2/NDF : 2230.7/113

- sign -5.579 ± 0.441 χ^2/NDF : 1133.9/57

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -147.918 ± 0.654 χ^2/NDF : 18092.5/31

Left Out: -166.912 ± 0.771 χ^2/NDF : 3096.2/23

Right Out: -155.483 ± 0.593 χ^2/NDF : 24699.9/34

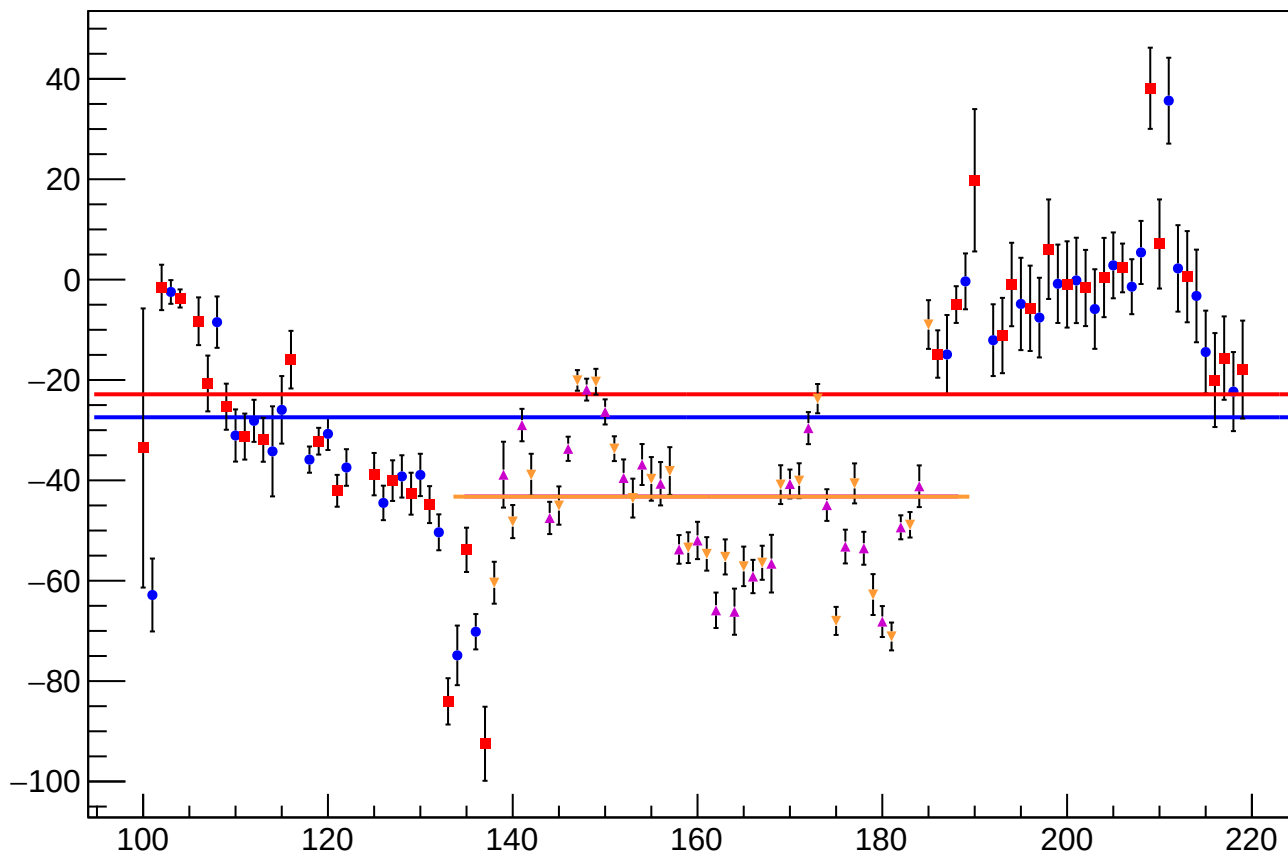
Left In: -168.810 ± 0.772 χ^2/NDF : 3059.5/22

+ sign -155.861 ± 0.498 χ^2/NDF : 21541.9/55

All: -158.275 ± 0.342 χ^2/NDF : 49533.0/113

- sign -160.423 ± 0.470 χ^2/NDF : 27946.8/57

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -27.430 ± 0.857 χ^2/NDF : 681.2/31

Left Out: -43.251 ± 0.664 χ^2/NDF : 610.2/23

Right Out: -22.852 ± 0.800 χ^2/NDF : 790.2/34

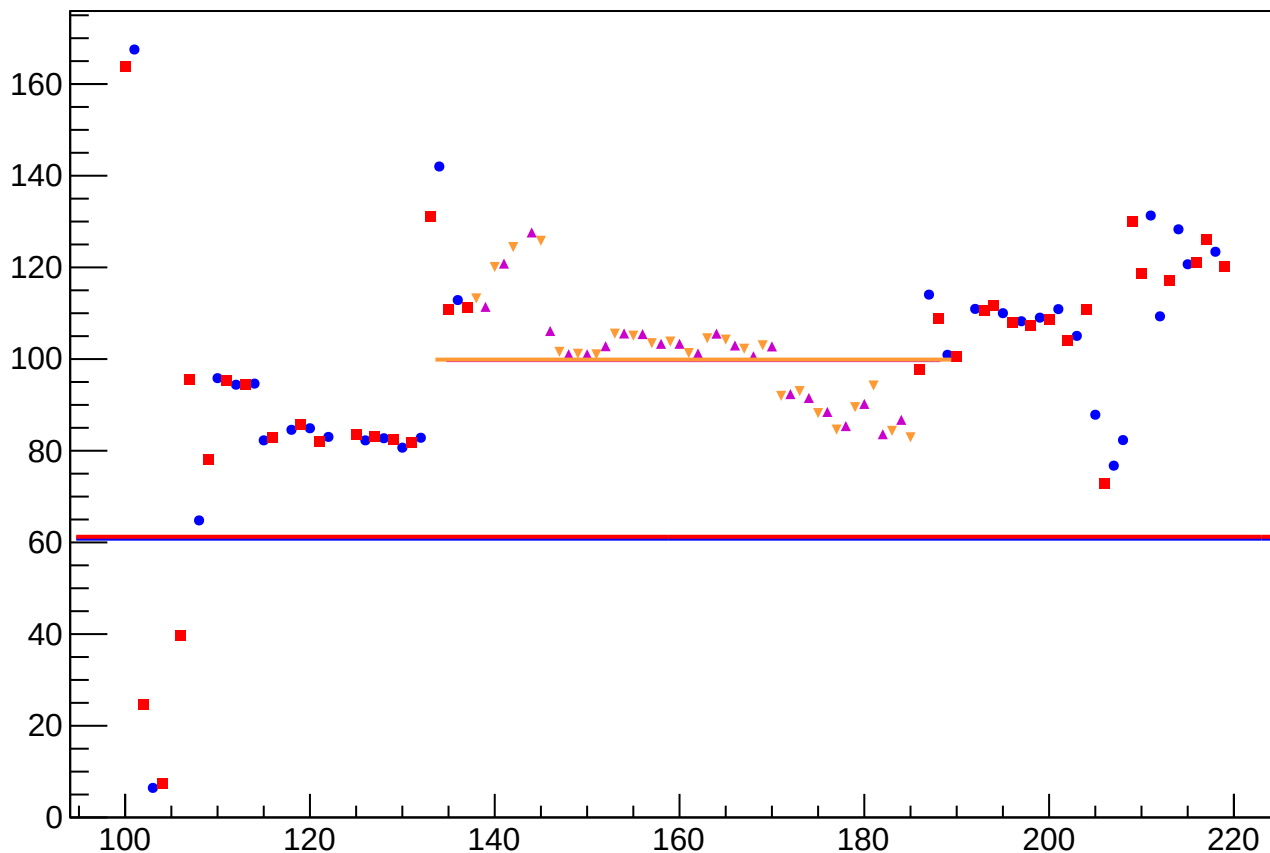
Left In: -43.207 ± 0.670 χ^2/NDF : 405.8/22

+ sign -37.317 ± 0.525 χ^2/NDF : 1504.3/55

All: -36.039 ± 0.367 χ^2/NDF : 3092.4/113

- sign -34.816 ± 0.514 χ^2/NDF : 1576.5/57

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 60.823+/-0.038 χ^2/NDF : 1608605.3/31

Left Out: 99.881+/-0.031 χ^2/NDF : 123588.1/23

Right Out: 61.233+/-0.038 χ^2/NDF : 1402187.5/34

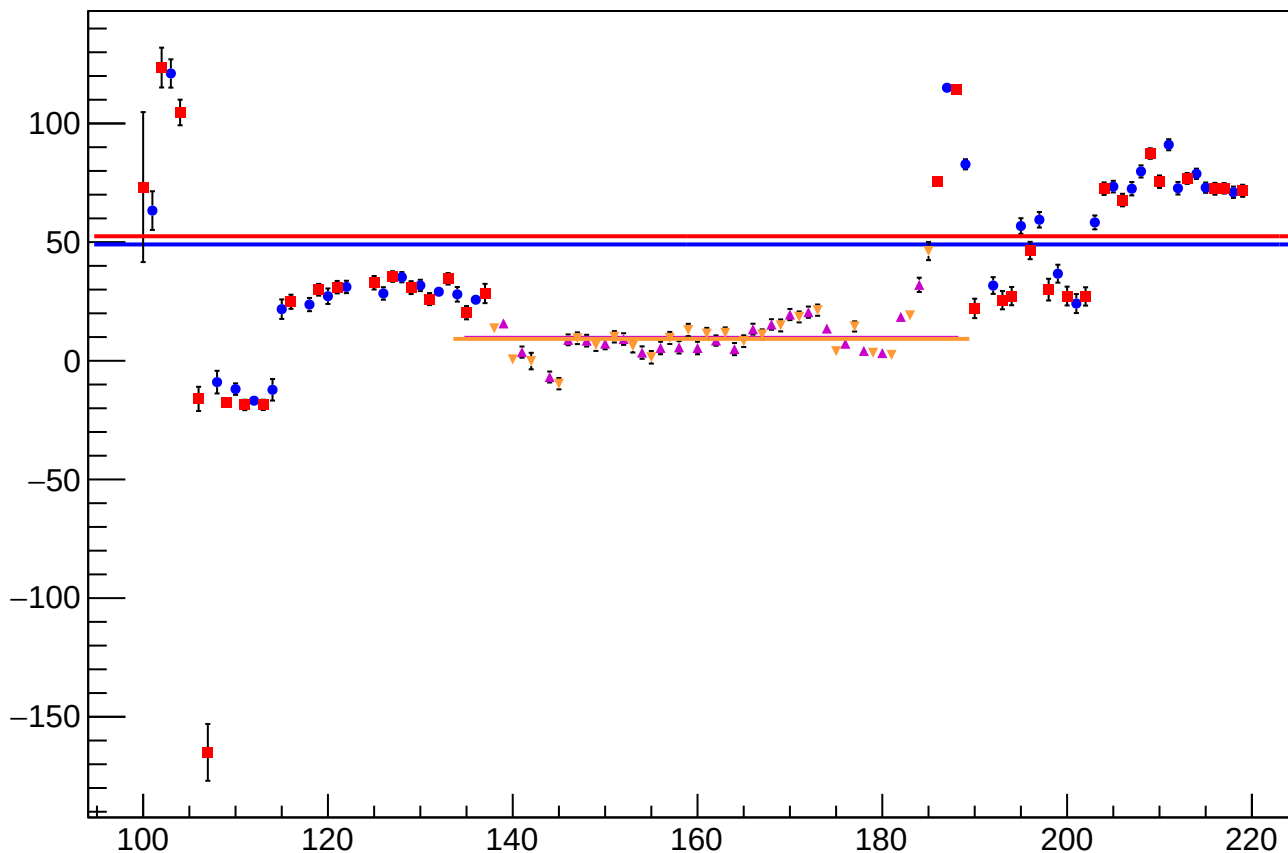
Left In: 99.769+/-0.031 χ^2/NDF : 113501.0/22

+ sign 84.457+/-0.024 χ^2/NDF : 2368608.4/55

All: 84.505+/-0.017 χ^2/NDF : 4512462.7/113

- sign 84.554+/-0.024 χ^2/NDF : 2143846.0/57

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 49.023+/-0.472 χ^2/NDF : 5385.3/31

Left Out: 9.228+/-0.456 χ^2/NDF : 327.5/23

Right Out: 52.472+/-0.436 χ^2/NDF : 8800.1/34

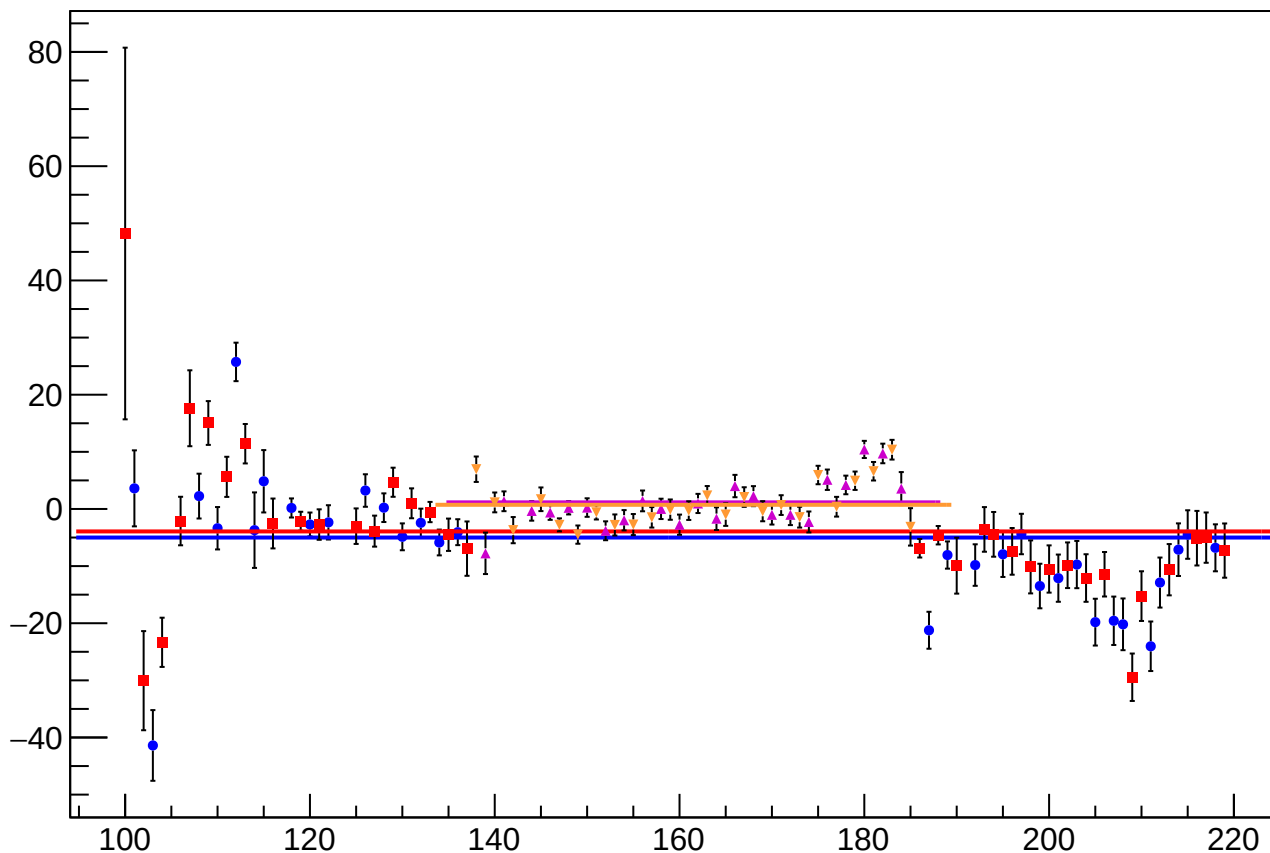
Left In: 9.676+/-0.462 χ^2/NDF : 246.7/22

+ sign 28.439+/-0.328 χ^2/NDF : 9382.5/55

All: 30.439+/-0.228 χ^2/NDF : 23031.7/113

- sign 32.308+/-0.317 χ^2/NDF : 13577.4/57

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -5.001 ± 0.563 χ^2/NDF : 249.4/31

Left Out: 0.730 ± 0.350 χ^2/NDF : 109.7/23

Right Out: -3.932 ± 0.531 χ^2/NDF : 182.2/34

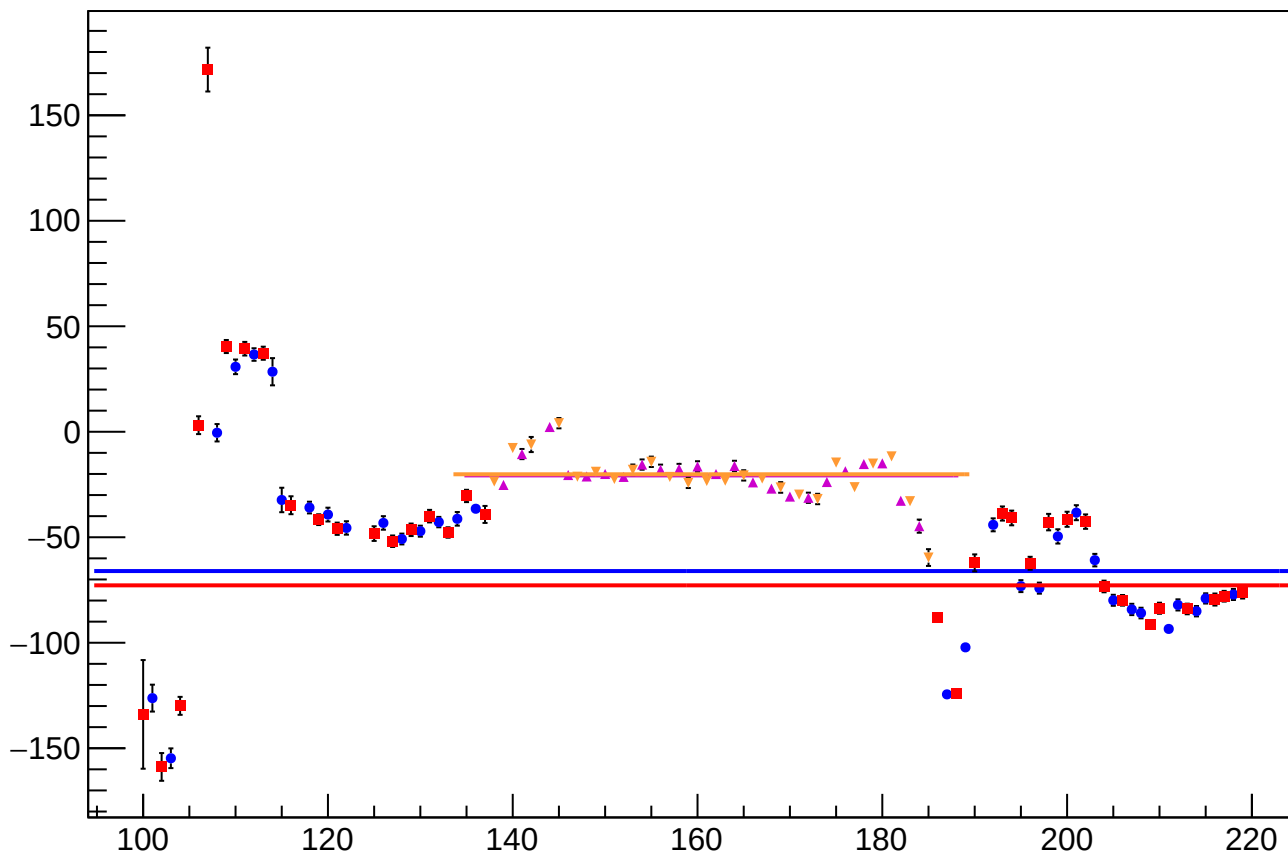
Left In: 1.156 ± 0.358 χ^2/NDF : 110.4/22

+ sign -0.862 ± 0.297 χ^2/NDF : 433.9/55

All: -0.647 ± 0.210 χ^2/NDF : 790.9/113

- sign -0.433 ± 0.296 χ^2/NDF : 355.9/57

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -66.020 ± 0.487 χ^2/NDF : 5922.1/31

Left Out: -20.151 ± 0.452 χ^2/NDF : 420.3/23

Right Out: -72.797 ± 0.432 χ^2/NDF : 9793.7/34

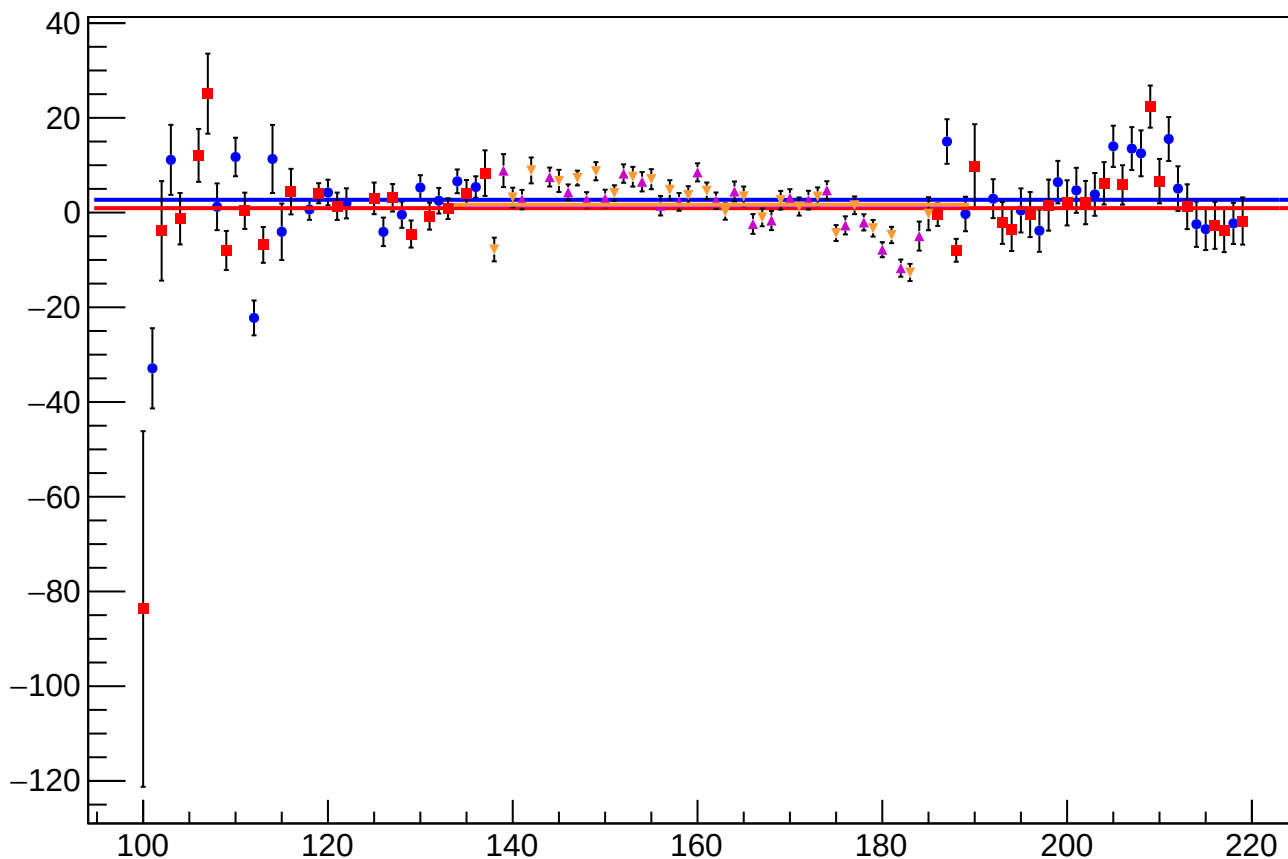
Left In: -20.683 ± 0.458 χ^2/NDF : 310.5/22

+ sign -41.393 ± 0.332 χ^2/NDF : 11102.5/55

All: -45.005 ± 0.228 χ^2/NDF : 28291.4/113

- sign -48.248 ± 0.314 χ^2/NDF : 16963.6/57

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 2.698 ± 0.649 χ^2/NDF : 124.8/31

Left Out: 1.671 ± 0.395 χ^2/NDF : 178.0/23

Right Out: 0.928 ± 0.631 χ^2/NDF : 83.8/34

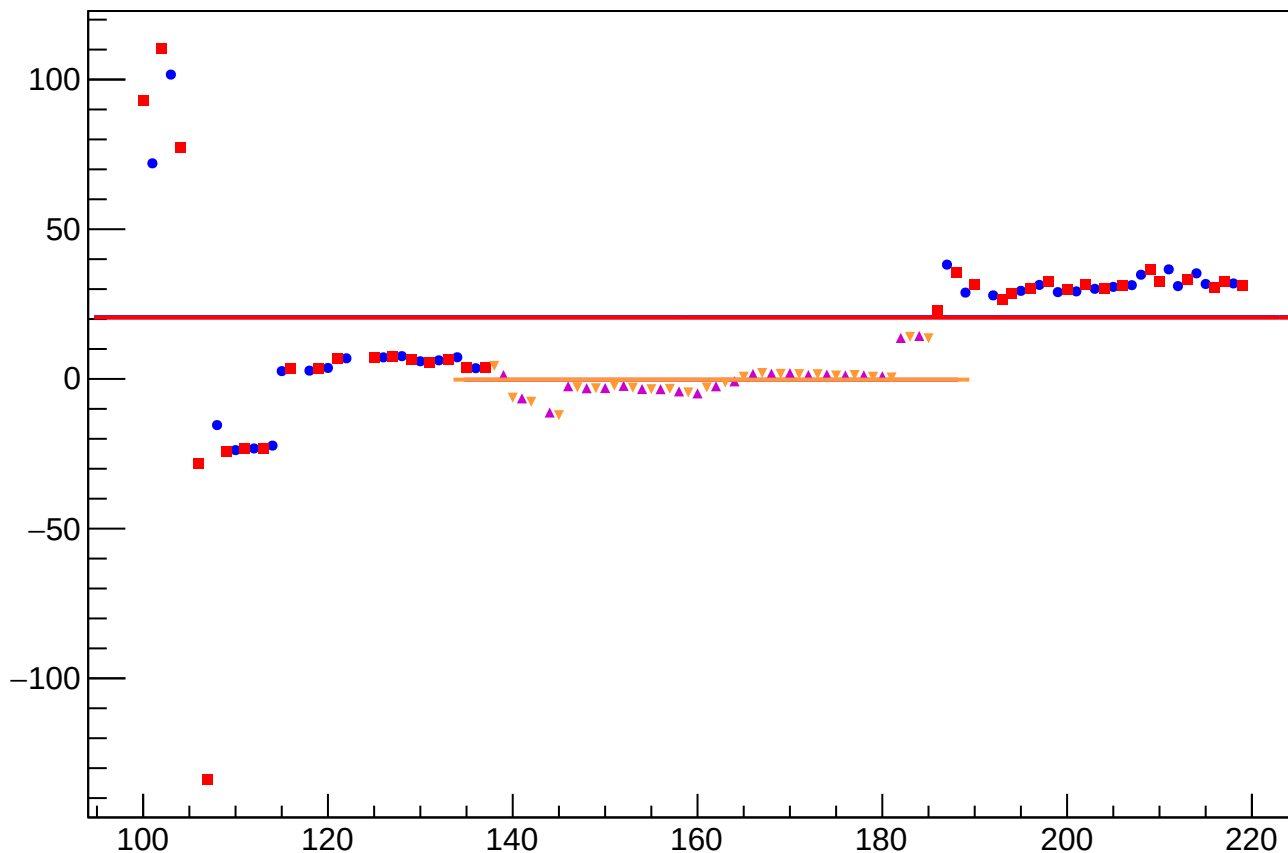
Left In: 1.428 ± 0.403 χ^2/NDF : 162.8/22

+ sign 1.949 ± 0.337 χ^2/NDF : 304.6/55

All: 1.618 ± 0.239 χ^2/NDF : 553.5/113

- sign 1.283 ± 0.339 χ^2/NDF : 247.0/57

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 20.620 $\pm$ 0.032 χ^2 /NDF: 437033.0/31

Left Out: -0.229 $\pm$ 0.018 χ^2 /NDF: 80976.2/23

Right Out: 20.484 $\pm$ 0.032 χ^2 /NDF: 607212.3/34

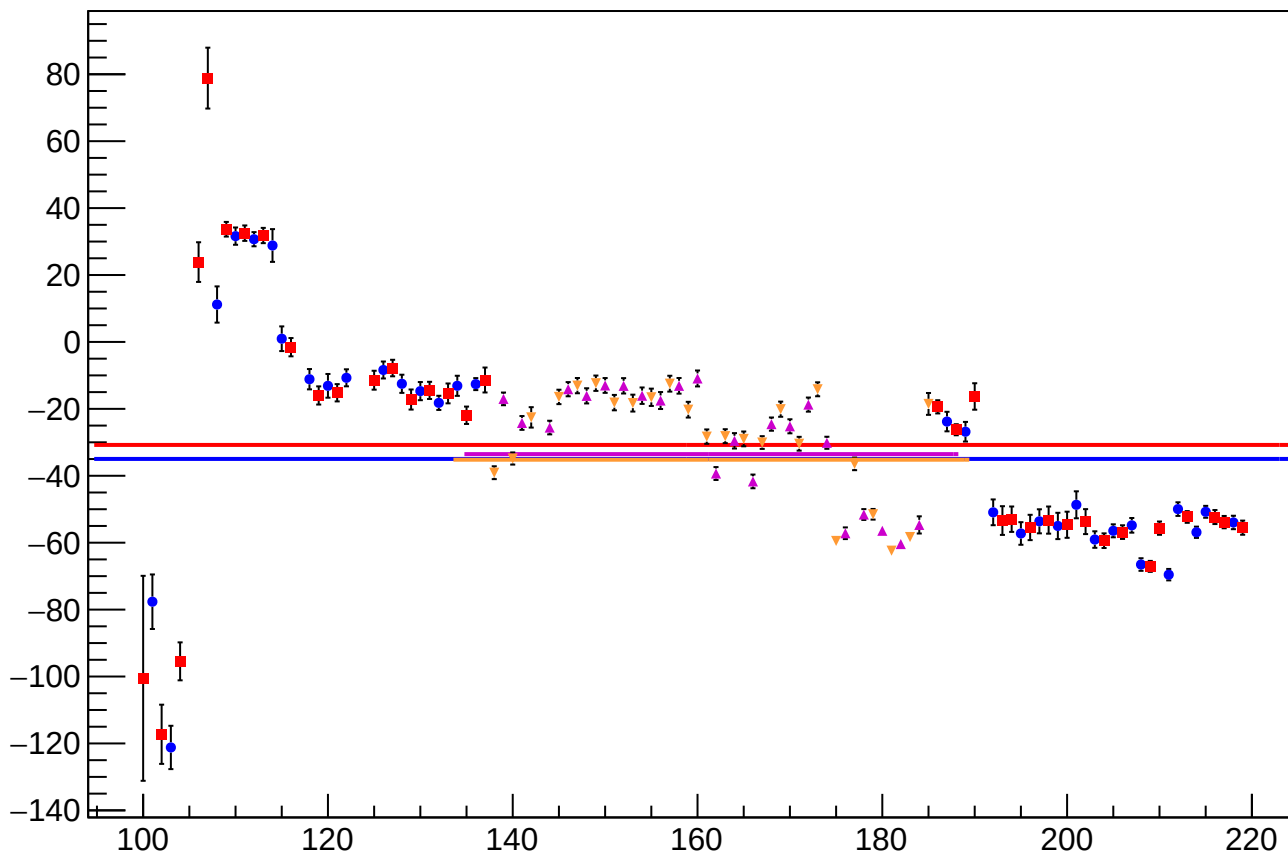
Left In: -0.270 $\pm$ 0.018 χ^2 /NDF: 72783.3/22

+ sign 4.548 $\pm$ 0.015 χ^2 /NDF: 838195.4/55

All: 4.541 $\pm$ 0.011 χ^2 /NDF: 1835060.5/113

- sign 4.534 $\pm$ 0.016 χ^2 /NDF: 996864.7/57

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -34.967 ± 0.448 χ^2/NDF : 4391.5/31

Left Out: -35.201 ± 0.408 χ^2/NDF : 1850.7/23

Right Out: -30.782 ± 0.438 χ^2/NDF : 5069.7/34

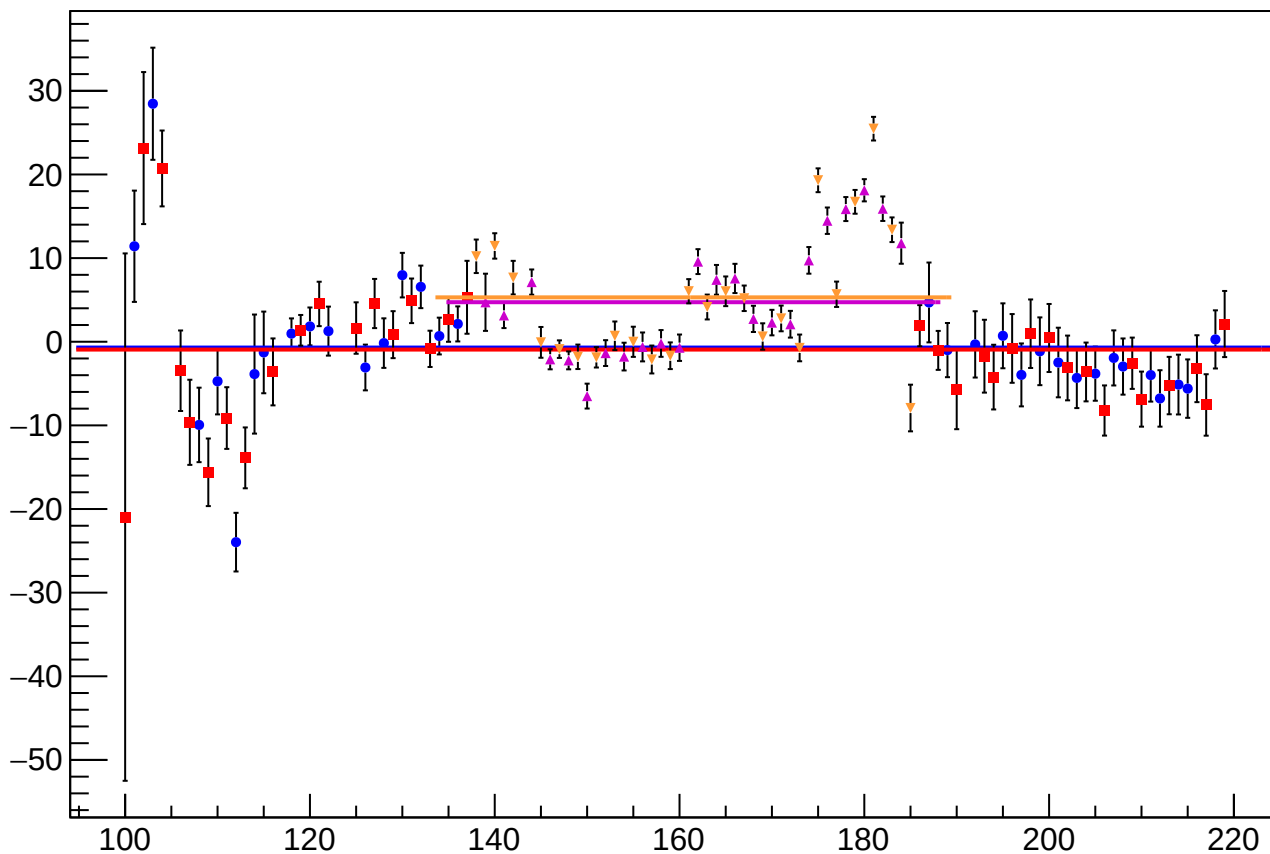
Left In: -33.528 ± 0.414 χ^2/NDF : 1806.1/22

+ sign -35.094 ± 0.302 χ^2/NDF : 6242.4/55

All: -33.660 ± 0.213 χ^2/NDF : 13184.1/113

- sign -32.234 ± 0.301 χ^2/NDF : 6896.6/57

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.696 ± 0.565 χ^2/NDF : 108.9/31

Left Out: 5.307 ± 0.315 χ^2/NDF : 624.4/23

Right Out: -0.936 ± 0.560 χ^2/NDF : 103.3/34

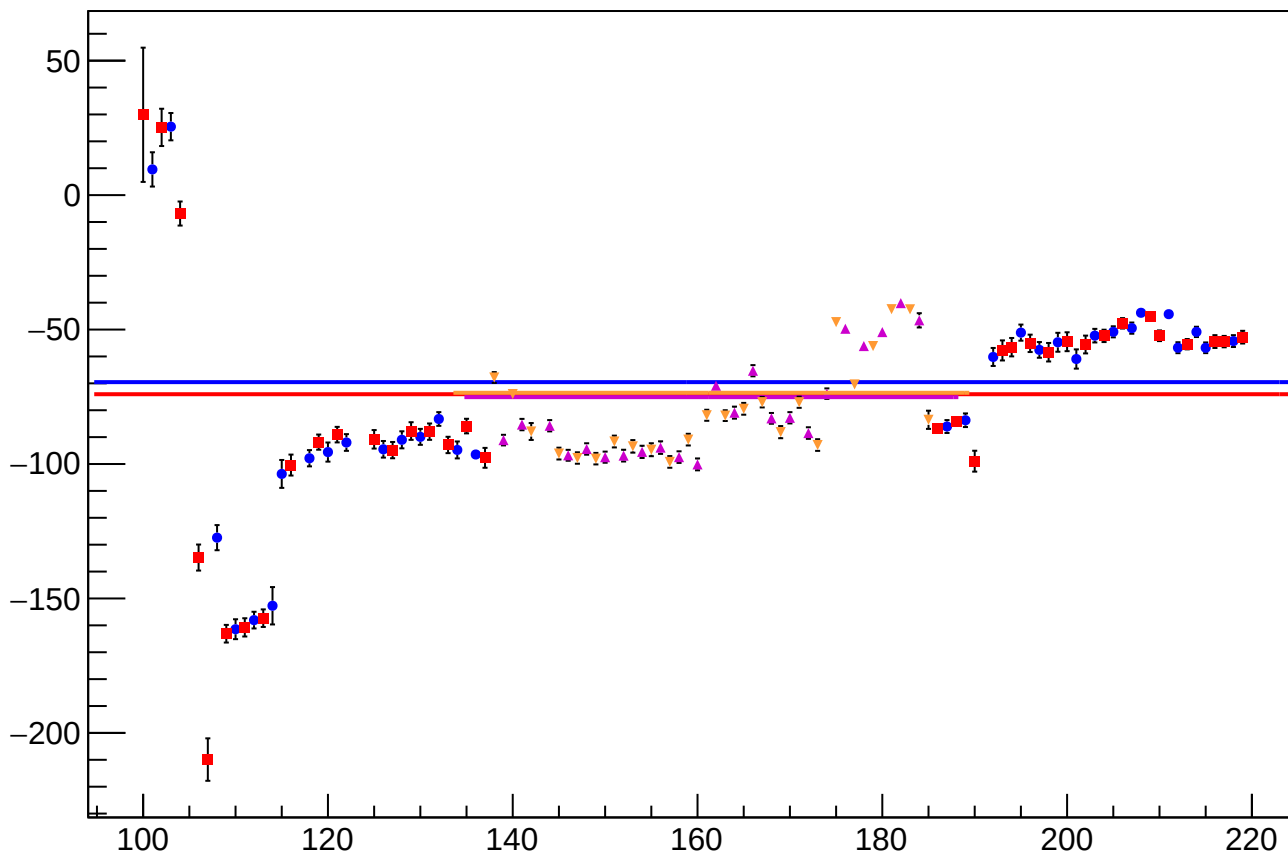
Left In: 4.727 ± 0.321 χ^2/NDF : 496.0/22

+ sign 3.883 ± 0.275 χ^2/NDF : 819.4/55

All: 3.608 ± 0.196 χ^2/NDF : 1497.7/113

- sign 3.325 ± 0.279 χ^2/NDF : 676.2/57

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -69.548 ± 0.469 χ^2/NDF : 3958.3/31

Left Out: -73.506 ± 0.405 χ^2/NDF : 2392.0/23

Right Out: -74.042 ± 0.452 χ^2/NDF : 4612.4/34

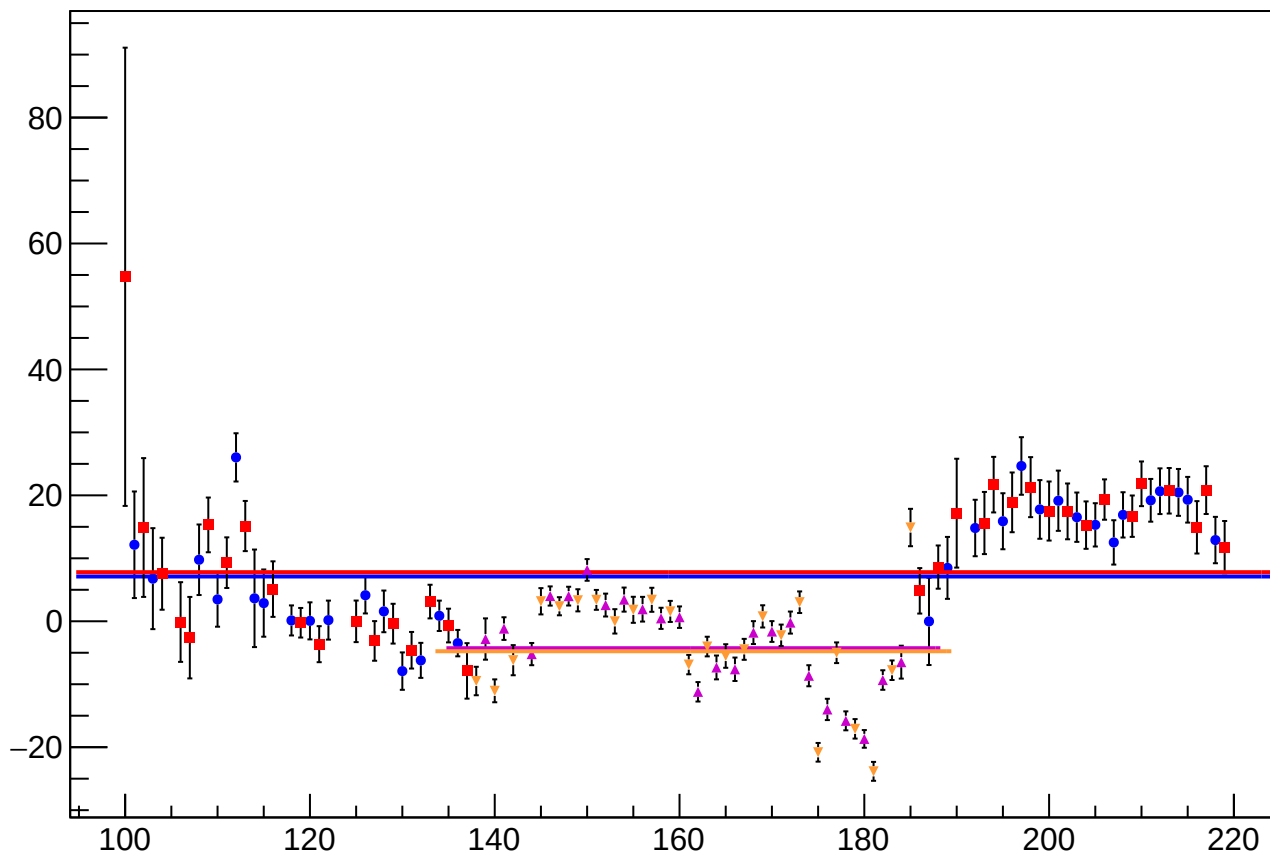
Left In: -75.133 ± 0.410 χ^2/NDF : 2361.9/22

+ sign -71.815 ± 0.307 χ^2/NDF : 6391.0/55

All: -73.242 ± 0.216 χ^2/NDF : 13411.4/113

- sign -74.641 ± 0.304 χ^2/NDF : 6977.5/57

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 7.111 ± 0.636 χ^2/NDF : 239.1/31

Left Out: -4.762 ± 0.355 χ^2/NDF : 576.9/23

Right Out: 7.797 ± 0.643 χ^2/NDF : 214.2/34

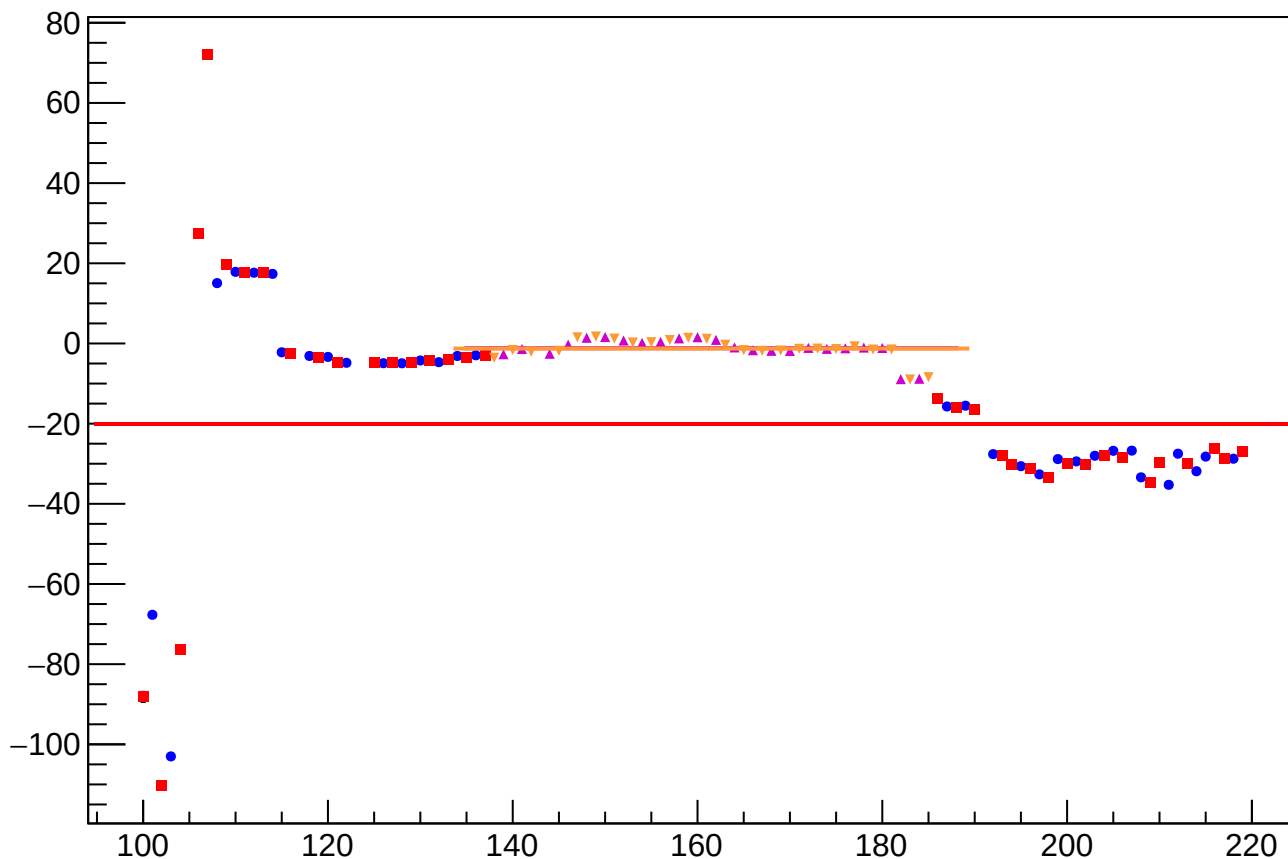
Left In: -4.278 ± 0.361 χ^2/NDF : 424.1/22

+ sign -1.942 ± 0.310 χ^2/NDF : 1082.0/55

All: -1.669 ± 0.221 χ^2/NDF : 1990.0/113

- sign -1.386 ± 0.315 χ^2/NDF : 906.4/57

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -20.078 ± 0.031 χ^2/NDF : 398040.5/31

Left Out: -1.267 ± 0.016 χ^2/NDF : 25091.1/23

Right Out: -20.099 ± 0.032 χ^2/NDF : 484147.6/34

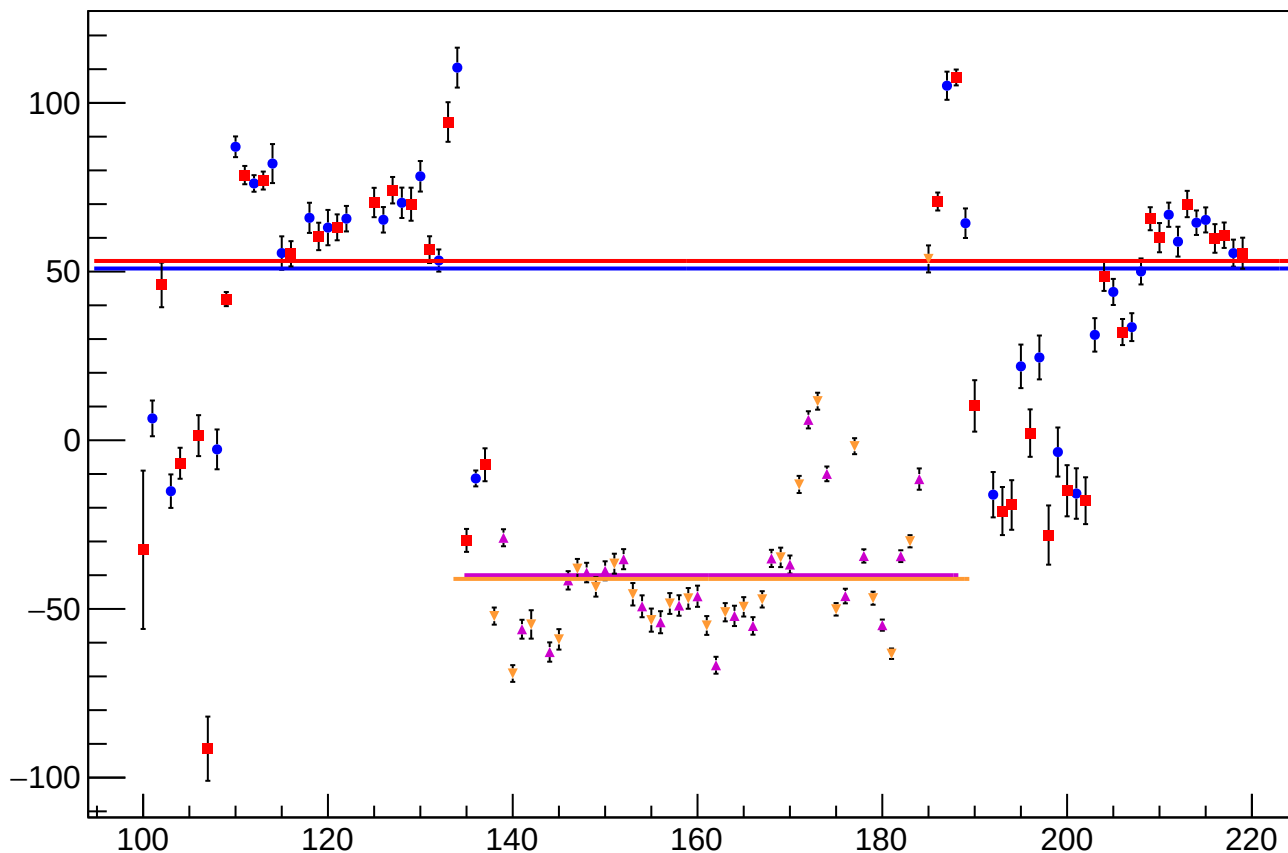
Left In: -1.180 ± 0.016 χ^2/NDF : 24754.1/22

+ sign -5.208 ± 0.014 χ^2/NDF : 717731.6/55

All: -5.120 ± 0.010 χ^2/NDF : 1512911.9/113

- sign -5.031 ± 0.014 χ^2/NDF : 795101.5/57

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.915 ± 0.733 χ^2/NDF : 2043.4/31

Left Out: -41.097 ± 0.517 χ^2/NDF : 1948.2/23

Right Out: 53.148 ± 0.683 χ^2/NDF : 2760.2/34

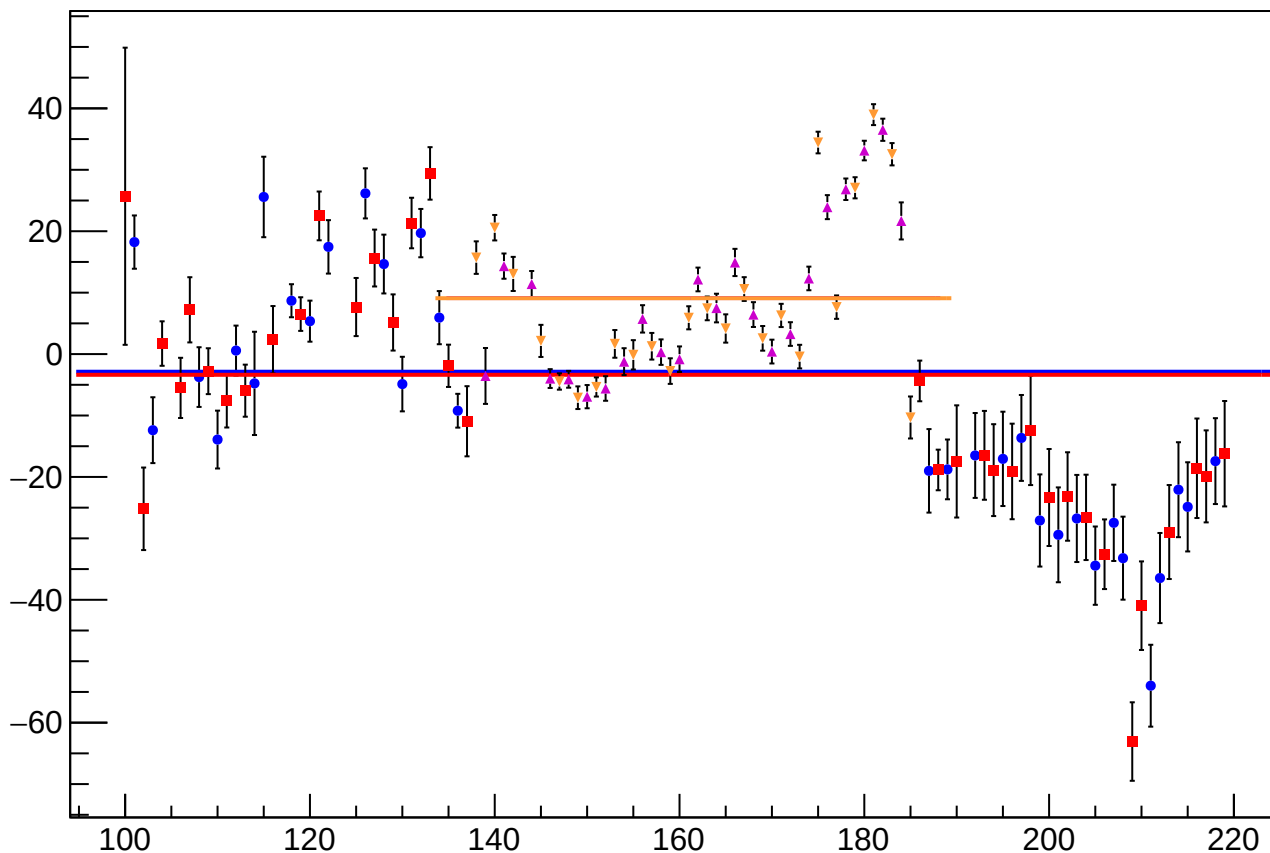
Left In: -40.000 ± 0.524 χ^2/NDF : 1031.8/22

+ sign -10.493 ± 0.423 χ^2/NDF : 14512.3/55

All: -7.949 ± 0.296 χ^2/NDF : 30072.2/113

- sign -5.485 ± 0.416 χ^2/NDF : 15488.5/57

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.873 ± 0.875 χ^2/NDF : 424.5/31

Left Out: 9.094 ± 0.401 χ^2/NDF : 1253.7/23

Right Out: -3.370 ± 0.842 χ^2/NDF : 423.9/34

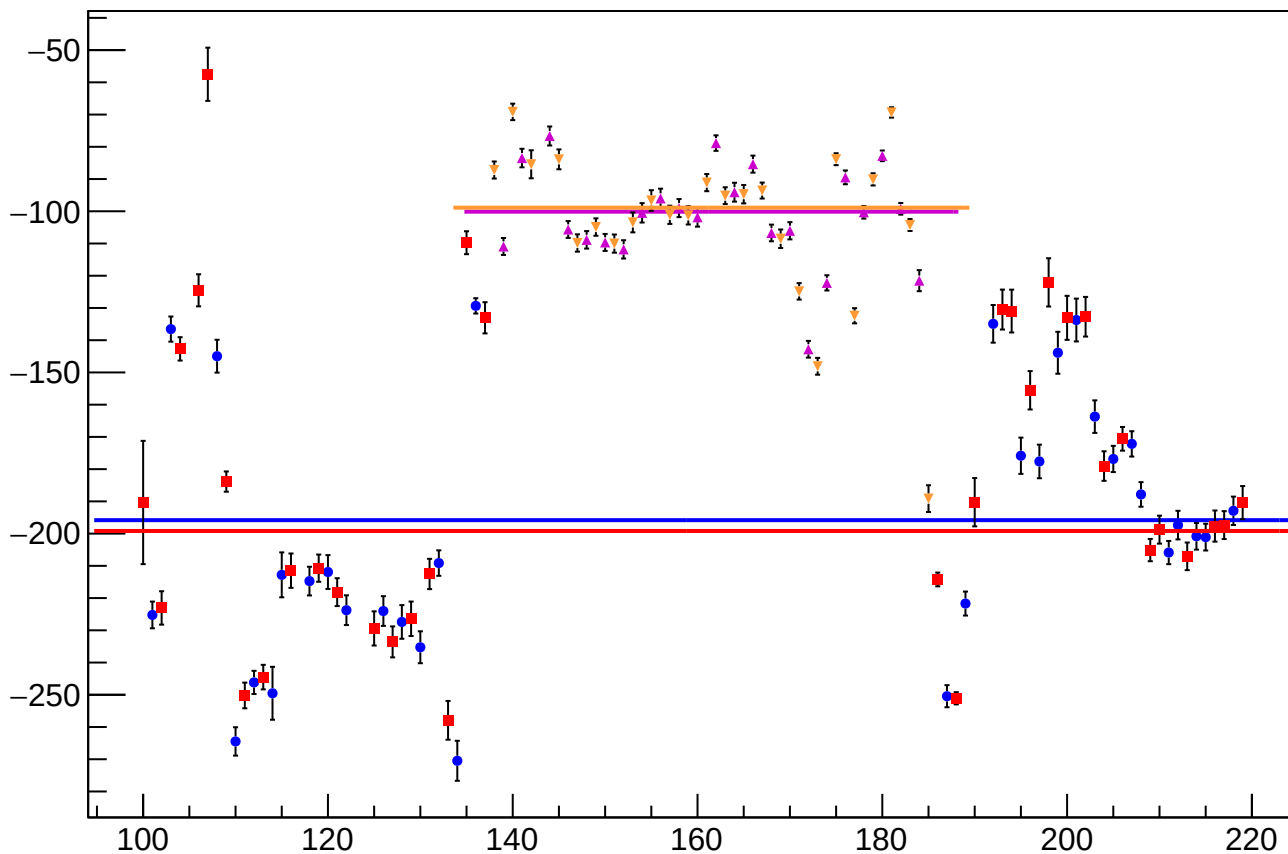
Left In: 9.121 ± 0.409 χ^2/NDF : 1051.8/22

+ sign 7.016 ± 0.365 χ^2/NDF : 1832.7/55

All: 6.877 ± 0.259 χ^2/NDF : 3486.9/113

- sign 6.735 ± 0.368 χ^2/NDF : 1653.9/57

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -195.830 ± 0.771 χ^2/NDF : 2710.3/31

Left Out: -98.883 ± 0.514 χ^2/NDF : 1824.5/23

Right Out: -199.181 ± 0.714 χ^2/NDF : 3667.2/34

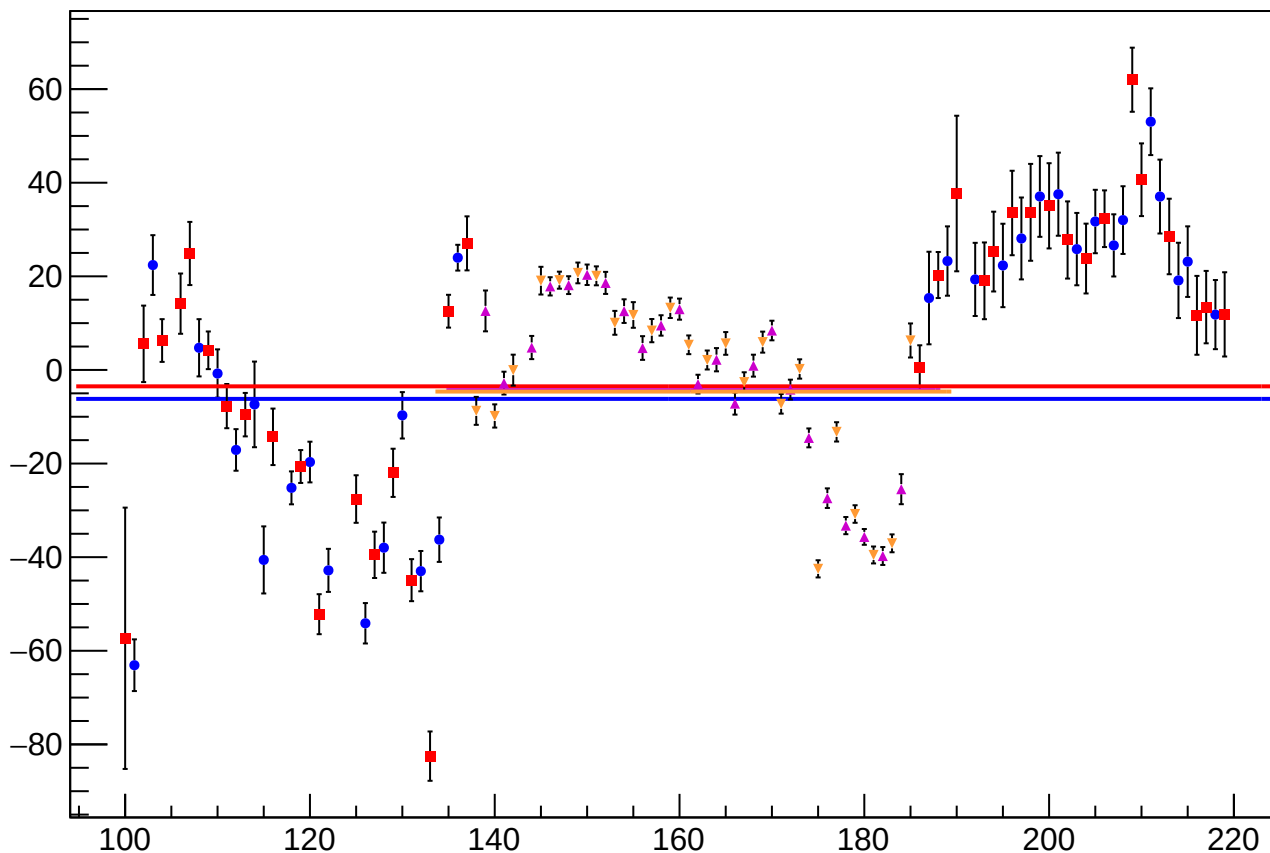
Left In: -100.127 ± 0.520 χ^2/NDF : 823.2/22

+ sign -128.733 ± 0.428 χ^2/NDF : 15482.0/55

All: -131.656 ± 0.300 χ^2/NDF : 32644.1/113

- sign -134.478 ± 0.420 χ^2/NDF : 17070.3/57

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -6.185 ± 0.996 χ^2/NDF : 990.9/31

Left Out: -4.618 ± 0.451 χ^2/NDF : 2078.3/23

Right Out: -3.504 ± 0.977 χ^2/NDF : 954.9/34

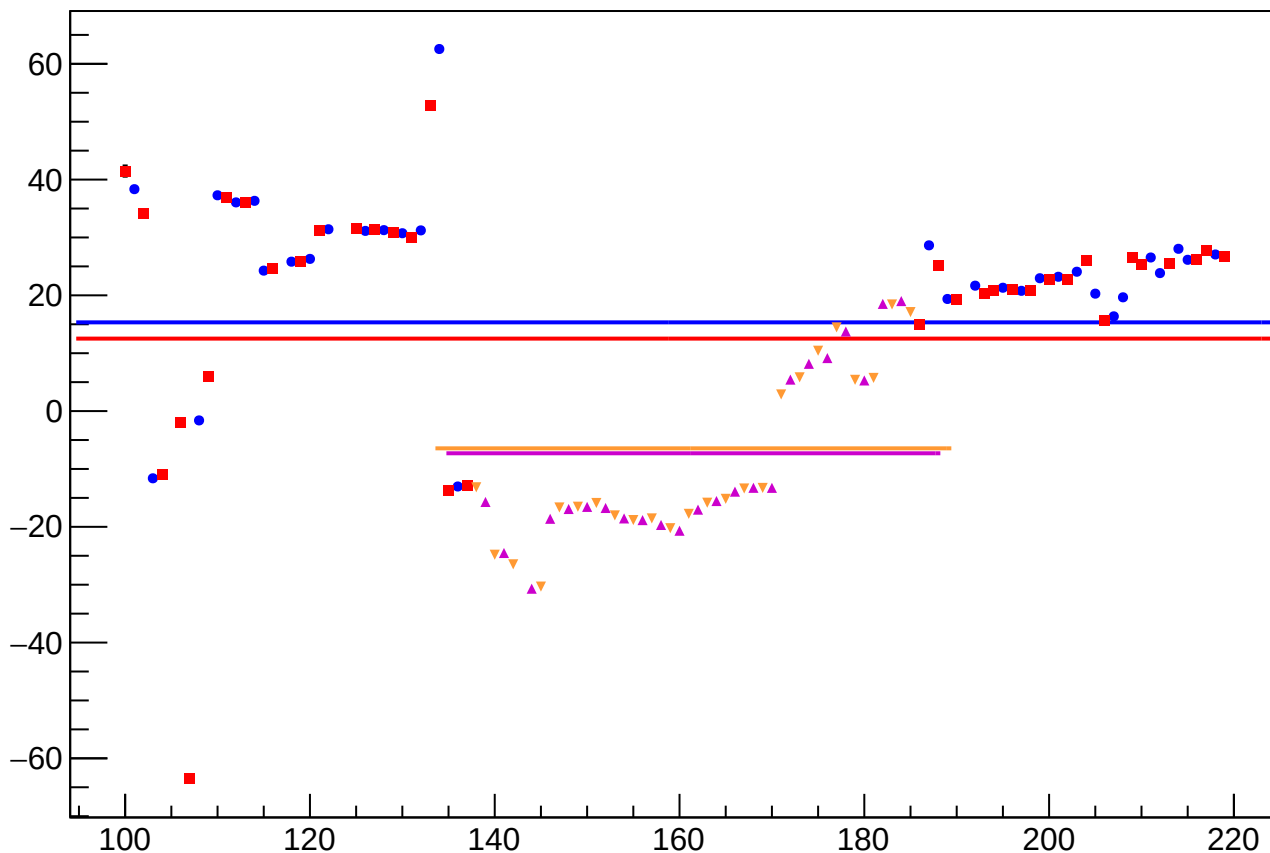
Left In: -4.328 ± 0.459 χ^2/NDF : 1854.2/22

+ sign -4.885 ± 0.411 χ^2/NDF : 3071.2/55

All: -4.536 ± 0.292 χ^2/NDF : 5882.3/113

- sign -4.179 ± 0.415 χ^2/NDF : 2809.6/57

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 15.331 $\pm$ 0.049 χ^2 /NDF: 179891.5/31

Left Out: -6.437 $\pm$ 0.020 χ^2 /NDF: 496714.6/23

Right Out: 12.523 $\pm$ 0.048 χ^2 /NDF: 185403.4/34

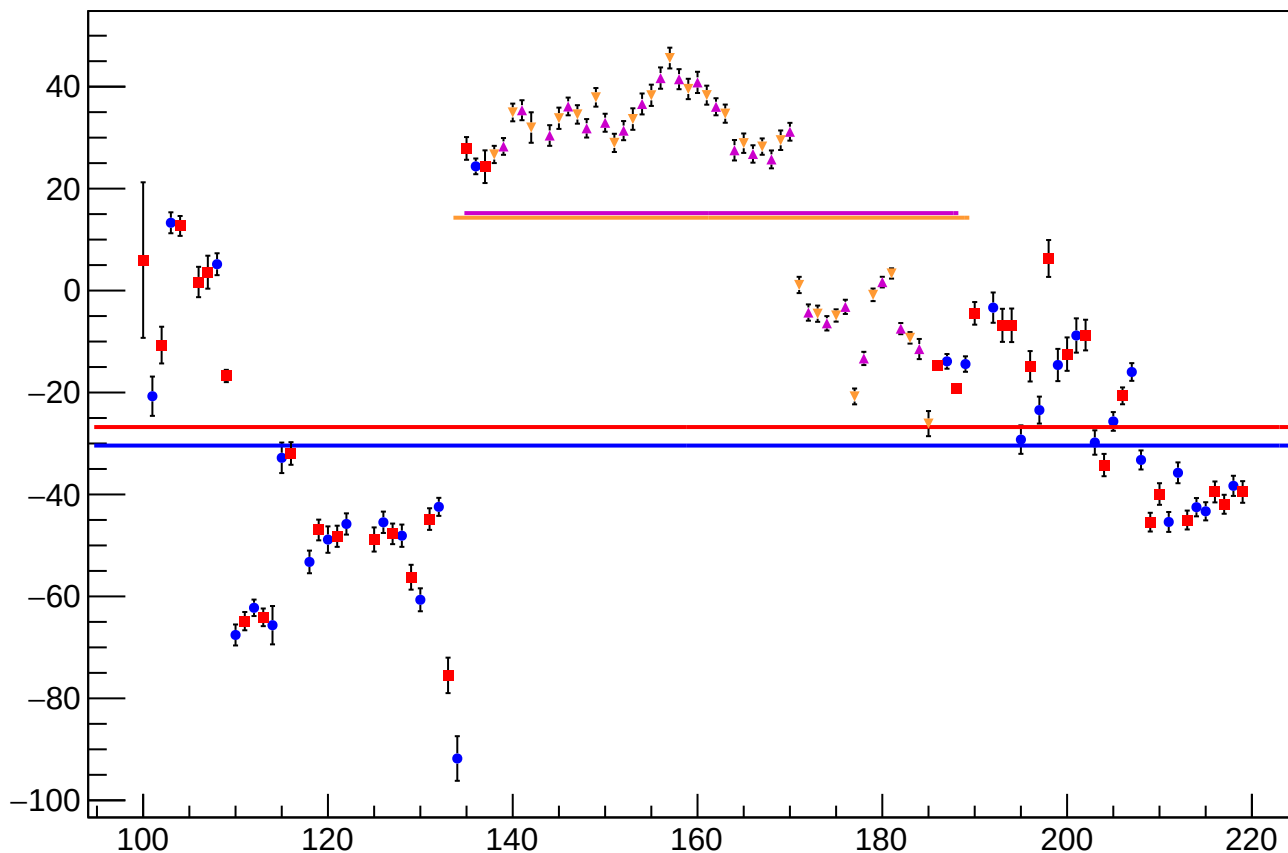
Left In: -7.292 $\pm$ 0.020 χ^2 /NDF: 488261.5/22

+ sign -3.235 $\pm$ 0.019 χ^2 /NDF: 847526.0/55

All: -3.779 $\pm$ 0.013 χ^2 /NDF: 1665429.3/113

- sign -4.328 $\pm$ 0.019 χ^2 /NDF: 816194.9/57

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -30.407 ± 0.370 χ^2/NDF : 4207.1/31

Left Out: 14.295 ± 0.335 χ^2/NDF : 3726.3/23

Right Out: -26.775 ± 0.329 χ^2/NDF : 4254.7/34

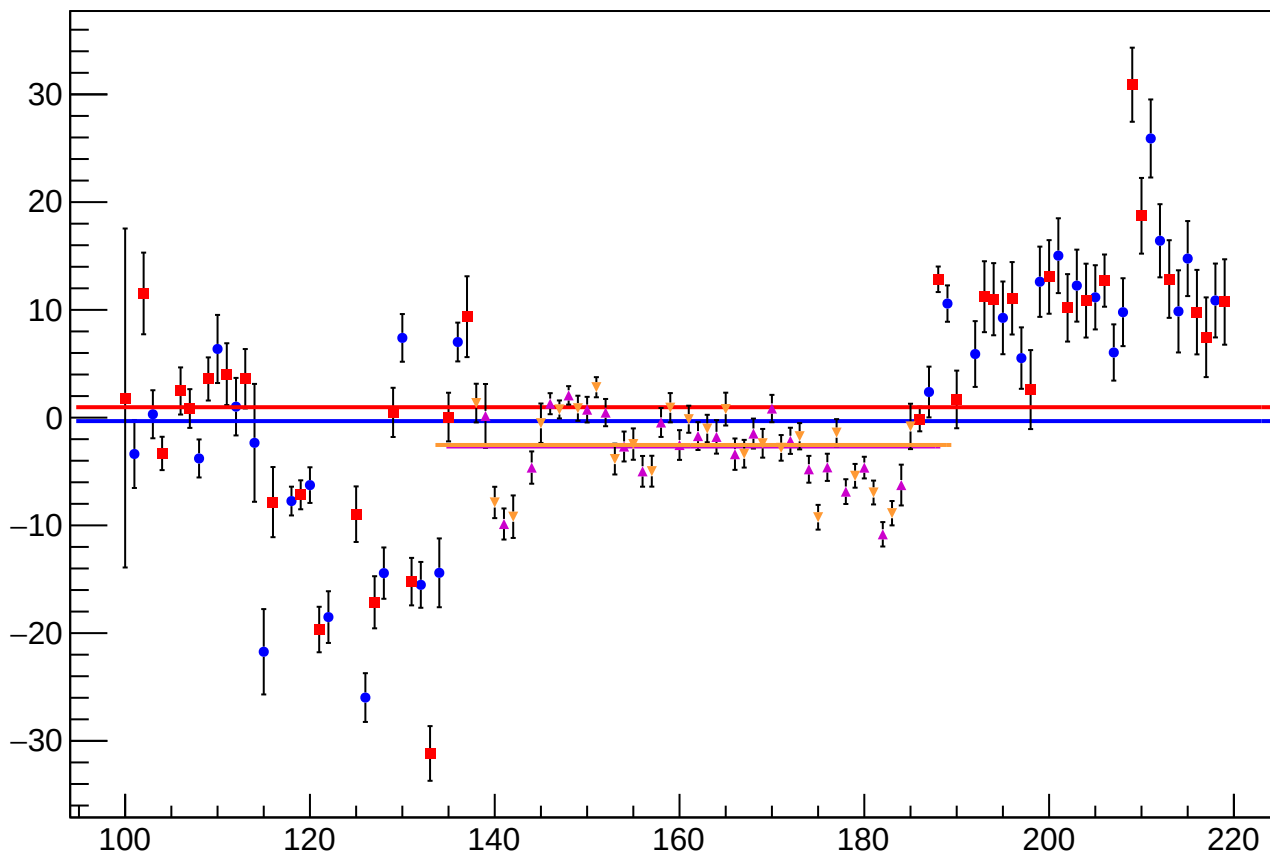
Left In: 15.194 ± 0.339 χ^2/NDF : 3406.6/22

+ sign -5.837 ± 0.249 χ^2/NDF : 15942.8/55

All: -6.141 ± 0.171 χ^2/NDF : 31479.8/113

- sign -6.417 ± 0.236 χ^2/NDF : 15534.1/57

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.322 ± 0.441 χ^2/NDF : 656.5/31

Left Out: -2.538 ± 0.259 χ^2/NDF : 198.4/23

Right Out: 0.968 ± 0.396 χ^2/NDF : 758.3/34

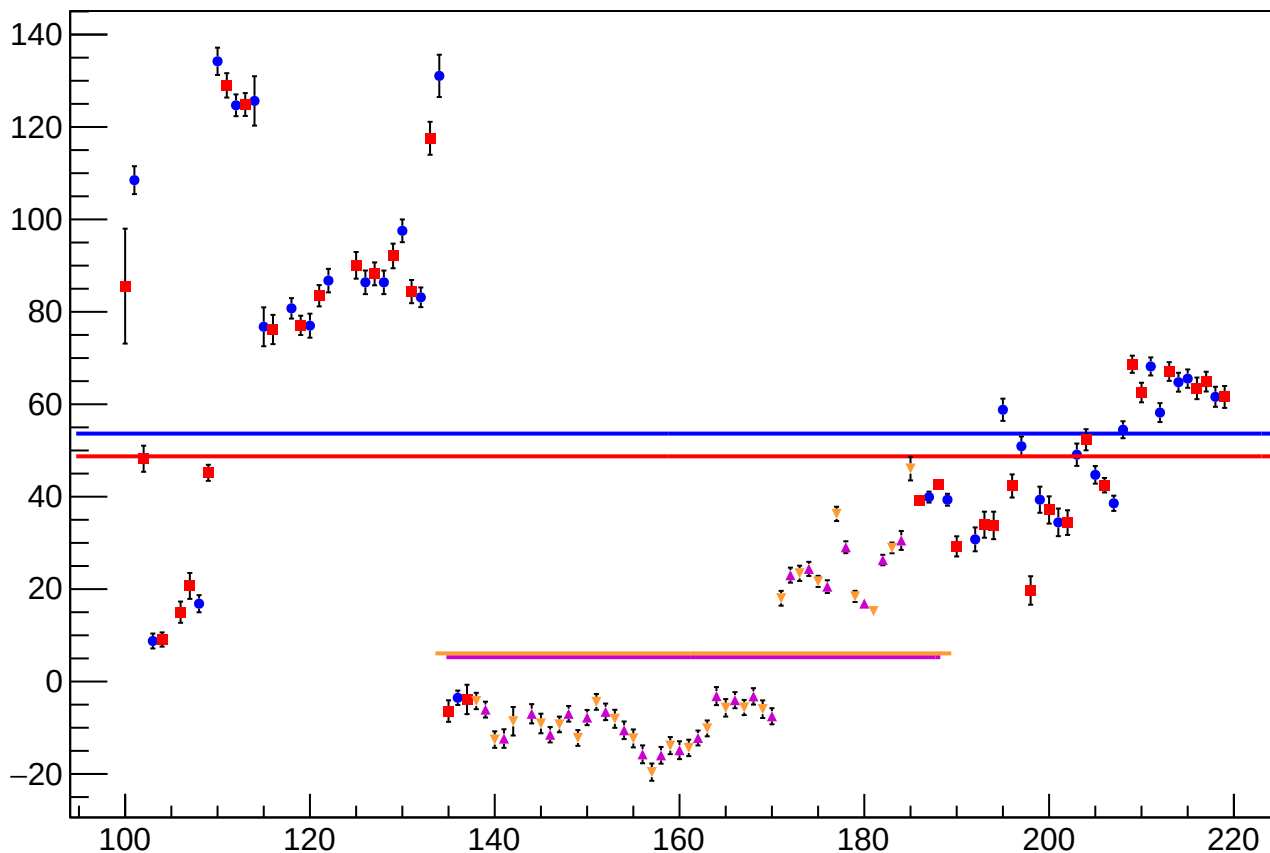
Left In: -2.681 ± 0.265 χ^2/NDF : 182.0/22

+ sign -1.970 ± 0.223 χ^2/NDF : 873.7/55

All: -1.759 ± 0.157 χ^2/NDF : 1874.5/113

- sign -1.553 ± 0.220 χ^2/NDF : 999.0/57

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 53.654 $\pm$ 0.371 χ^2 /NDF: 6894.4/31

Left Out: 6.095 $\pm$ 0.333 χ^2 /NDF: 2773.9/23

Right Out: 48.734 $\pm$ 0.319 χ^2 /NDF: 6380.3/34

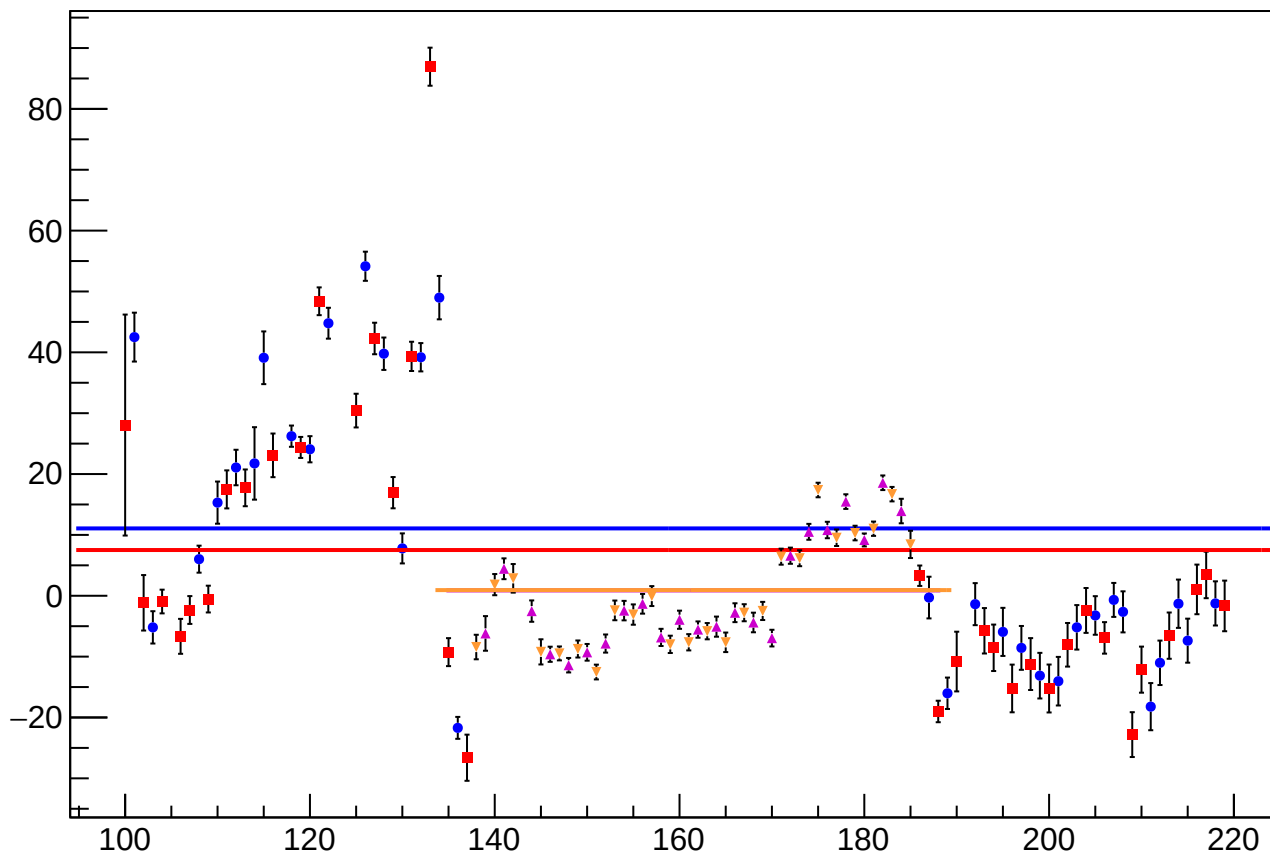
Left In: 5.269 $\pm$ 0.337 χ^2 /NDF: 2451.2/22

+ sign 27.279 $\pm$ 0.248 χ^2 /NDF: 18761.2/55

All: 27.745 $\pm$ 0.169 χ^2 /NDF: 36381.1/113

- sign 28.151 $\pm$ 0.232 χ^2 /NDF: 17613.3/57

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.067 $\pm$ 0.514 χ^2 /NDF: 1961.9/31

Left Out: 0.929 $\pm$ 0.292 χ^2 /NDF:1041.7/23

Right Out: 7.516 $\pm$ 0.479 χ^2 /NDF: 2290.9/34

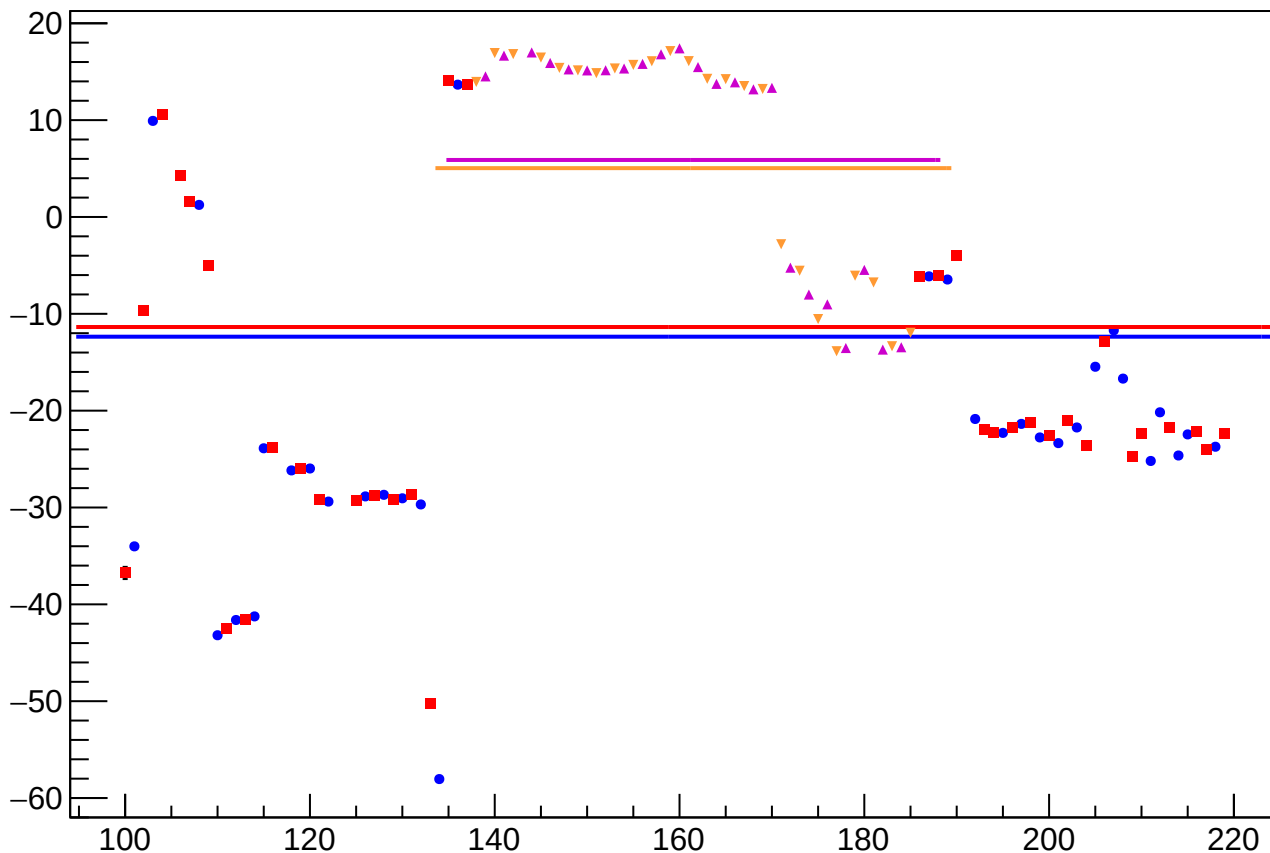
Left In: 0.878 $\pm$ 0.297 χ^2 /NDF:1006.0/22

+ sign 3.399 $\pm$ 0.254 χ^2 /NDF: 3297.6/55

All: 3.060 $\pm$ 0.179 χ^2 /NDF: 6736.7/113

- sign 2.724 $\pm$ 0.253 χ^2 /NDF: 3435.6/57

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -12.362 ± 0.024 χ^2/NDF : 507170.9/31

Left Out: 5.042 ± 0.013 χ^2/NDF : 855564.2/23

Right Out: -11.363 ± 0.023 χ^2/NDF : 429506.2/34

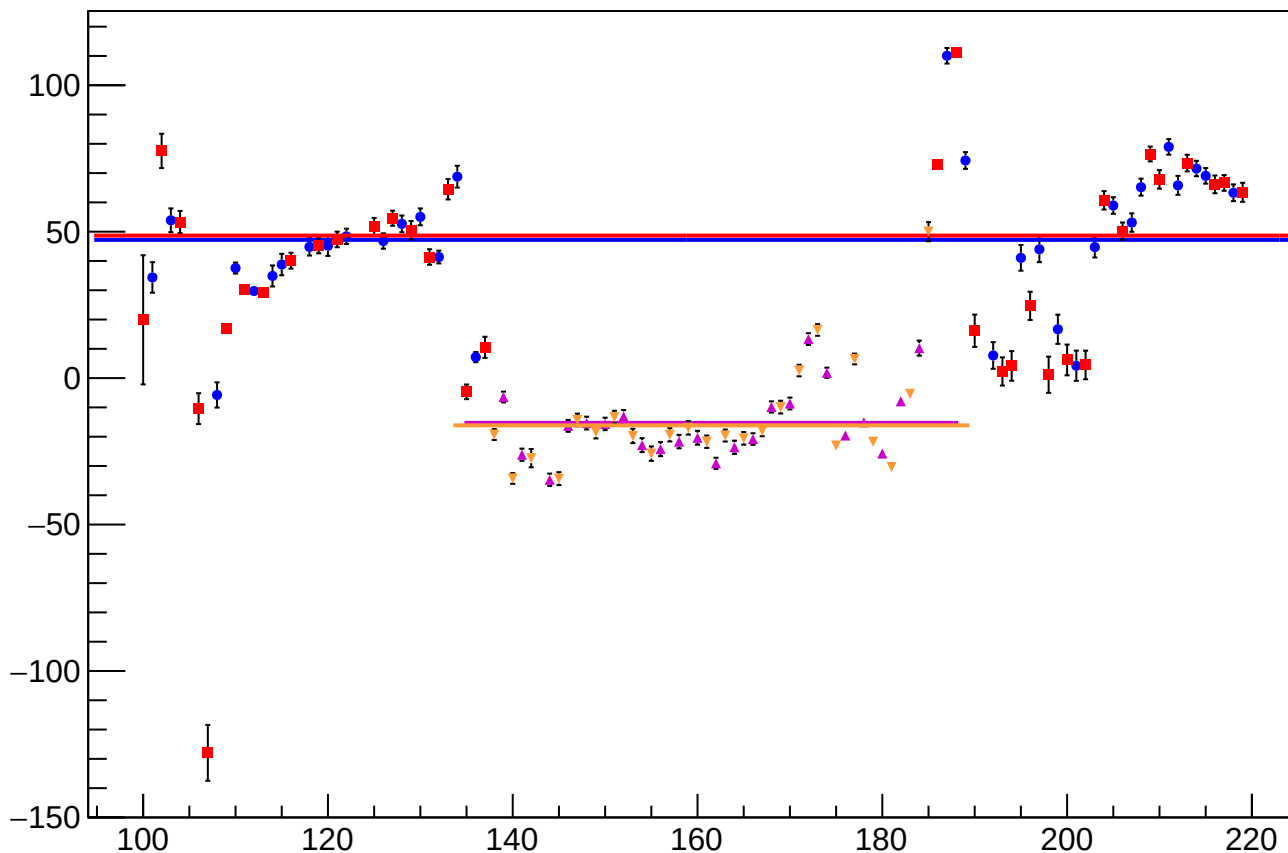
Left In: 5.886 ± 0.013 χ^2/NDF : 846355.0/22

+ sign 1.001 ± 0.011 χ^2/NDF : 1774980.4/55

All: 1.344 ± 0.008 χ^2/NDF : 3471767.7/113

- sign 1.686 ± 0.011 χ^2/NDF : 1694993.9/57

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 47.207 ± 0.508 $\chi^2/\text{NDF}: 2157.6/31$

Left Out: -16.132 ± 0.398 $\chi^2/\text{NDF}: 1364.9/23$

Right Out: 48.668 ± 0.472 $\chi^2/\text{NDF}: 4487.5/34$

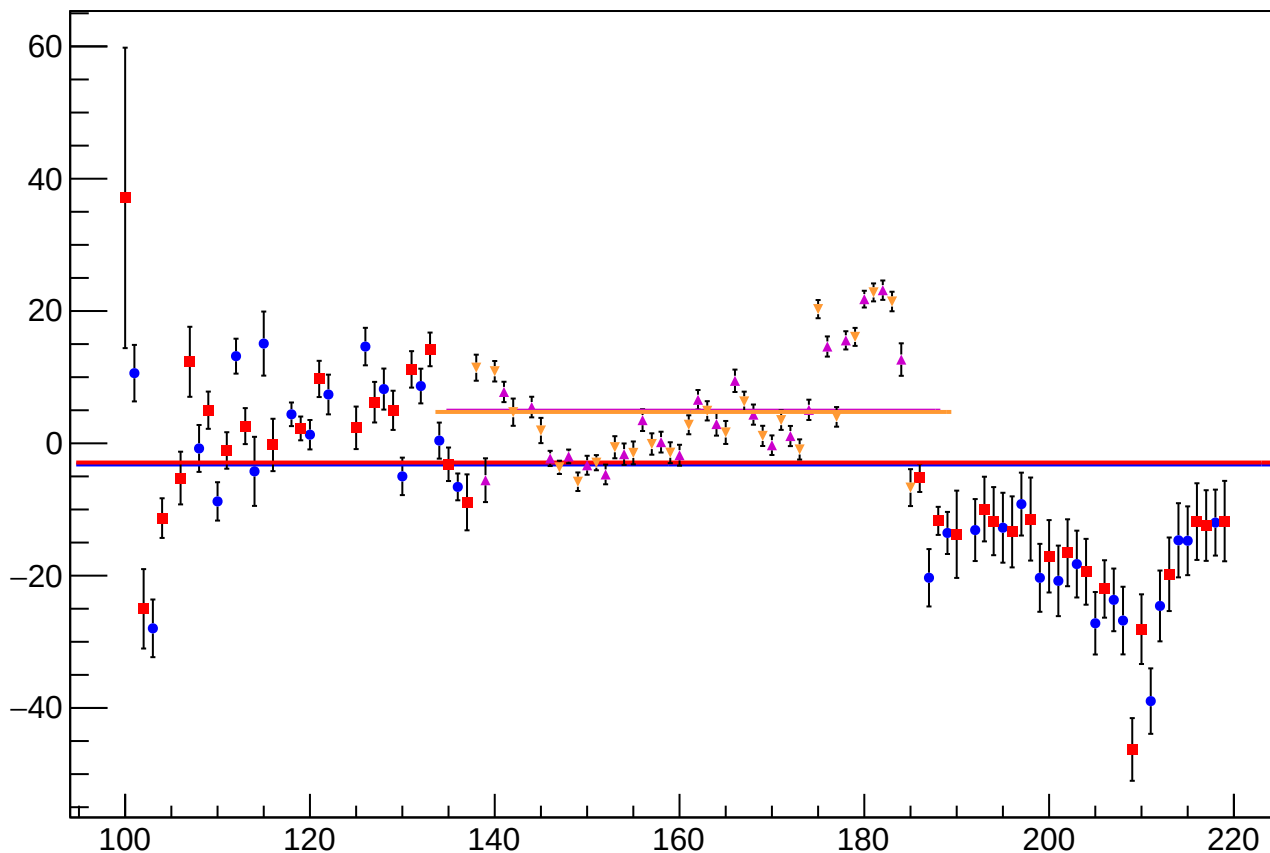
Left In: -15.295 ± 0.403 $\chi^2/\text{NDF}: 760.9/22$

+ sign 7.973 ± 0.313 $\chi^2/\text{NDF}: 13165.8/55$

All: 9.875 ± 0.219 $\chi^2/\text{NDF}: 29106.2/113$

- sign 11.698 ± 0.307 $\chi^2/\text{NDF}: 15868.2/57$

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.195 ± 0.605 $\chi^2/\text{NDF}: 425.3/31$

Left Out: 4.745 ± 0.307 $\chi^2/\text{NDF}: 793.8/23$

Right Out: -2.902 ± 0.584 $\chi^2/\text{NDF}: 367.4/34$

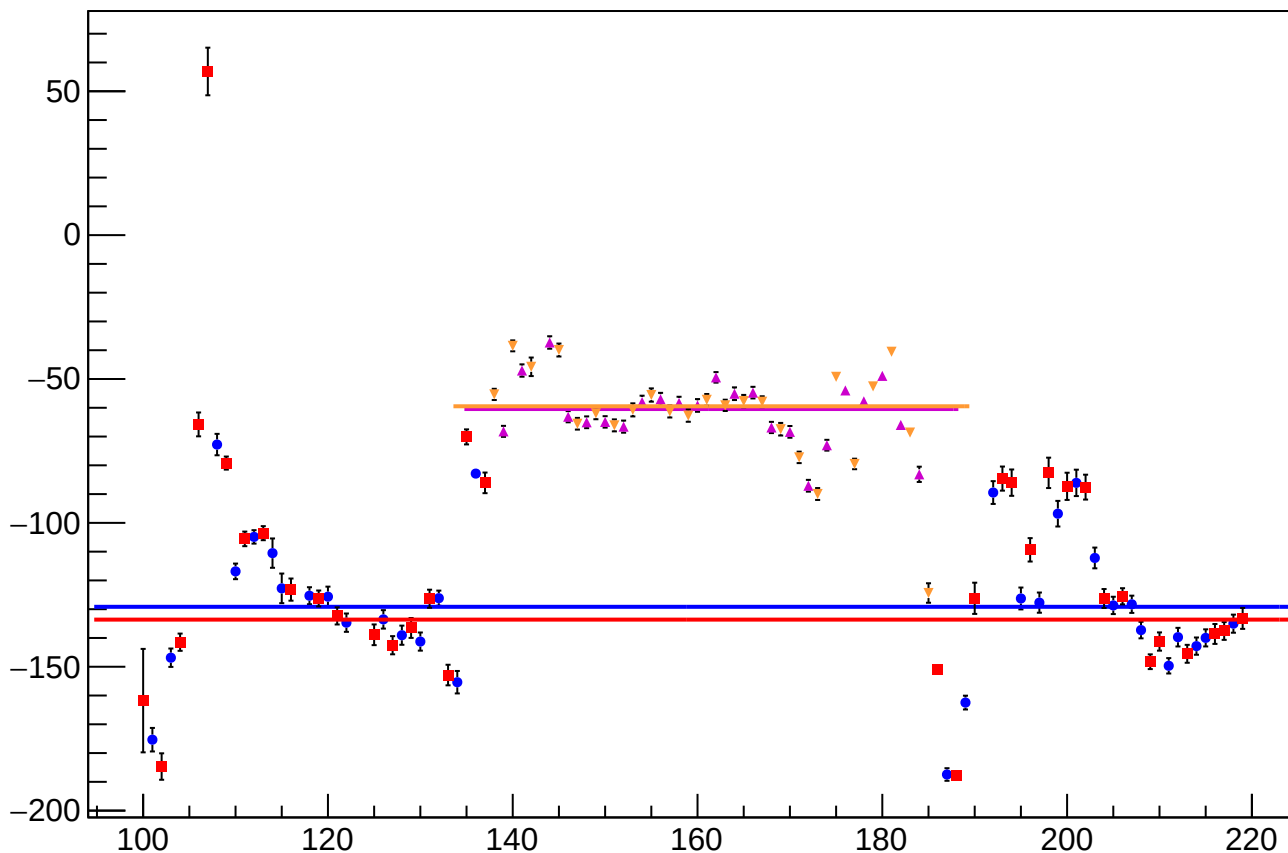
Left In: 4.935 ± 0.313 $\chi^2/\text{NDF}: 688.4/22$

+ sign 3.122 ± 0.273 $\chi^2/\text{NDF}: 1356.2/55$

All: 3.153 ± 0.194 $\chi^2/\text{NDF}: 2551.9/113$

- sign 3.185 ± 0.276 $\chi^2/\text{NDF}: 1195.7/57$

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -129.170 ± 0.541 χ^2/NDF : 2588.3/31

Left Out: -59.480 ± 0.395 χ^2/NDF : 1372.3/23

Right Out: -133.620 ± 0.494 χ^2/NDF : 5389.1/34

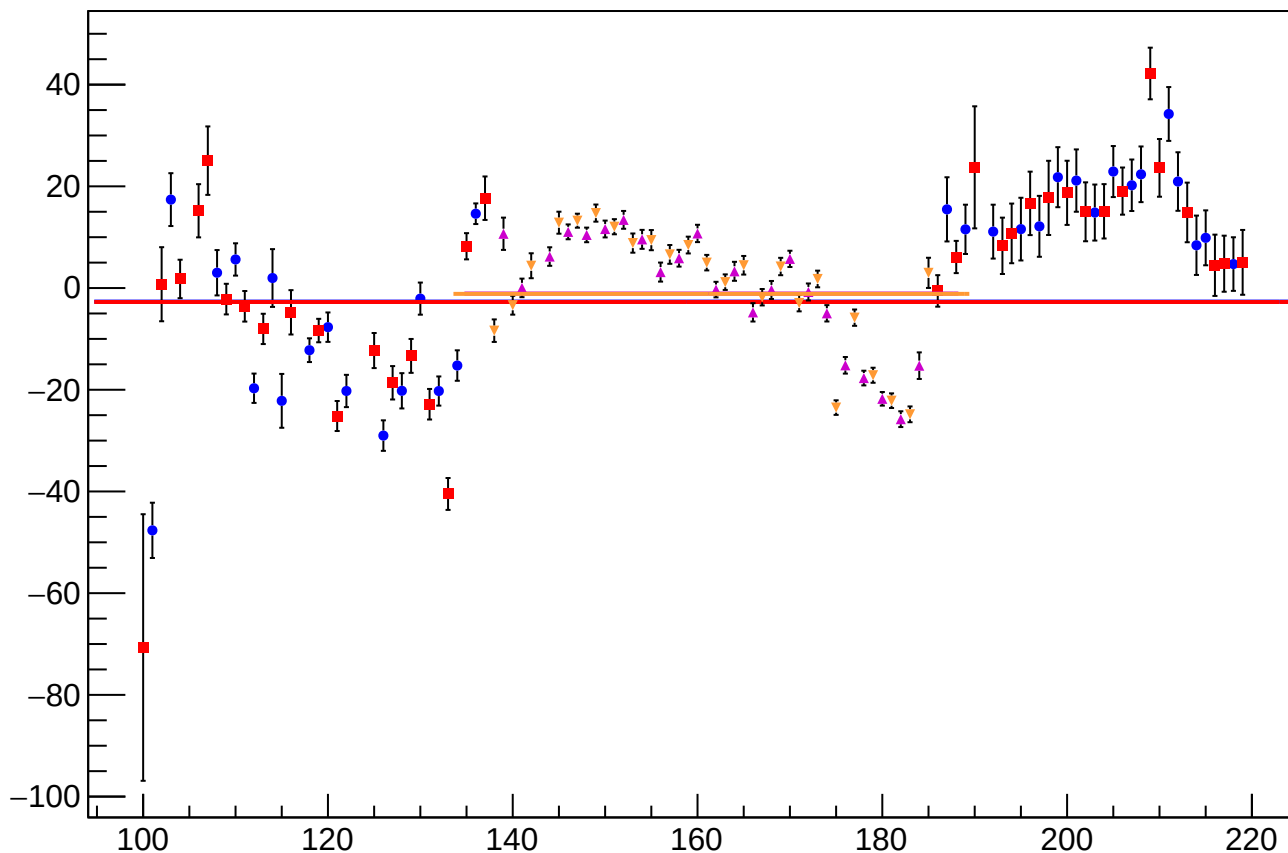
Left In: -60.435 ± 0.400 χ^2/NDF : 668.3/22

+ sign -83.728 ± 0.319 χ^2/NDF : 14795.0/55

All: -86.637 ± 0.222 χ^2/NDF : 34293.7/113

- sign -89.395 ± 0.311 χ^2/NDF : 19336.6/57

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -2.663 ± 0.690 χ^2/NDF : 642.9/31

Left Out: -1.144 ± 0.346 χ^2/NDF : 1303.0/23

Right Out: -2.740 ± 0.680 χ^2/NDF : 584.0/34

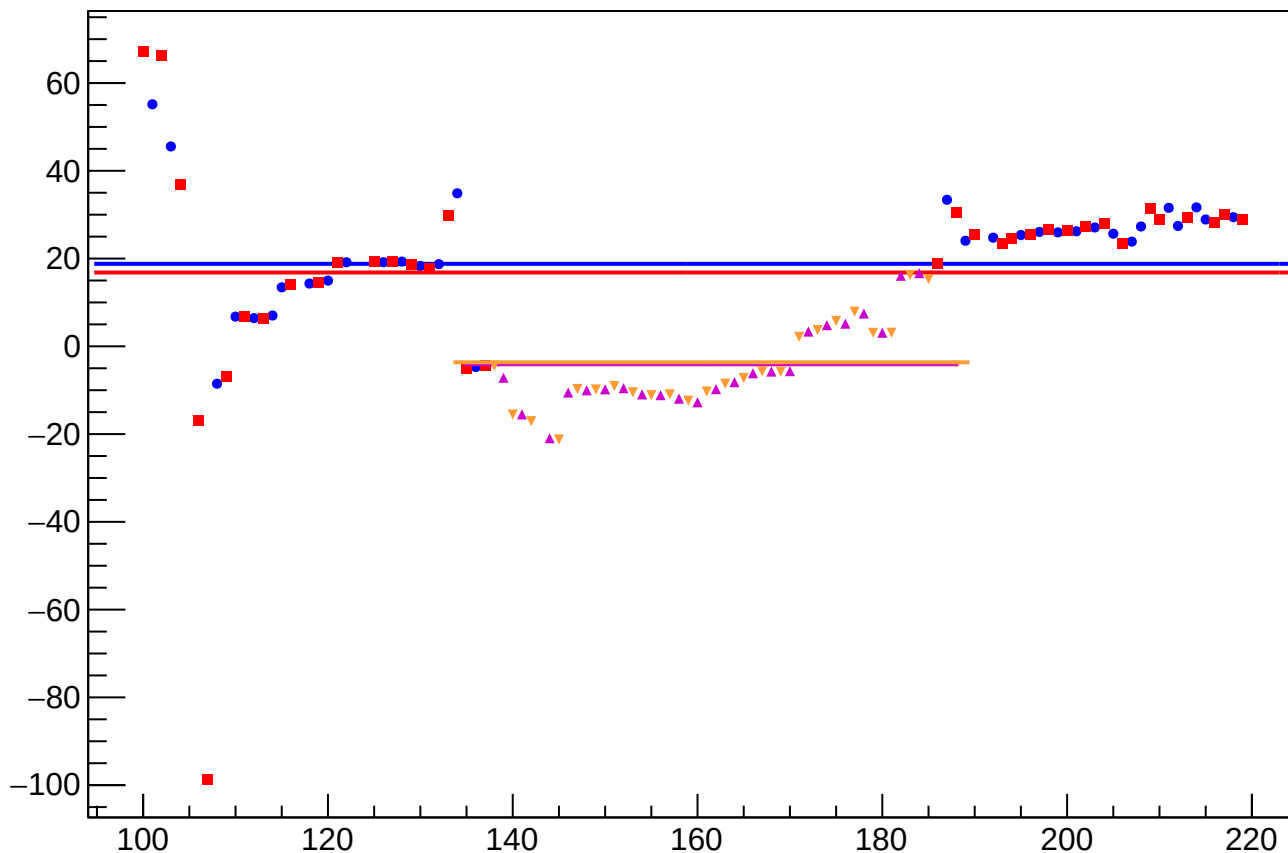
Left In: -1.082 ± 0.352 χ^2/NDF : 1157.4/22

+ sign -1.449 ± 0.309 χ^2/NDF : 1949.8/55

All: -1.441 ± 0.220 χ^2/NDF : 3695.8/113

- sign -1.432 ± 0.312 χ^2/NDF : 1746.0/57

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 18.806 $\pm$ 0.035 χ^2 /NDF: 220103.9/31

Left Out: -3.639 $\pm$ 0.015 χ^2 /NDF: 345861.2/23

Right Out: 16.824 $\pm$ 0.035 χ^2 /NDF: 355843.2/34

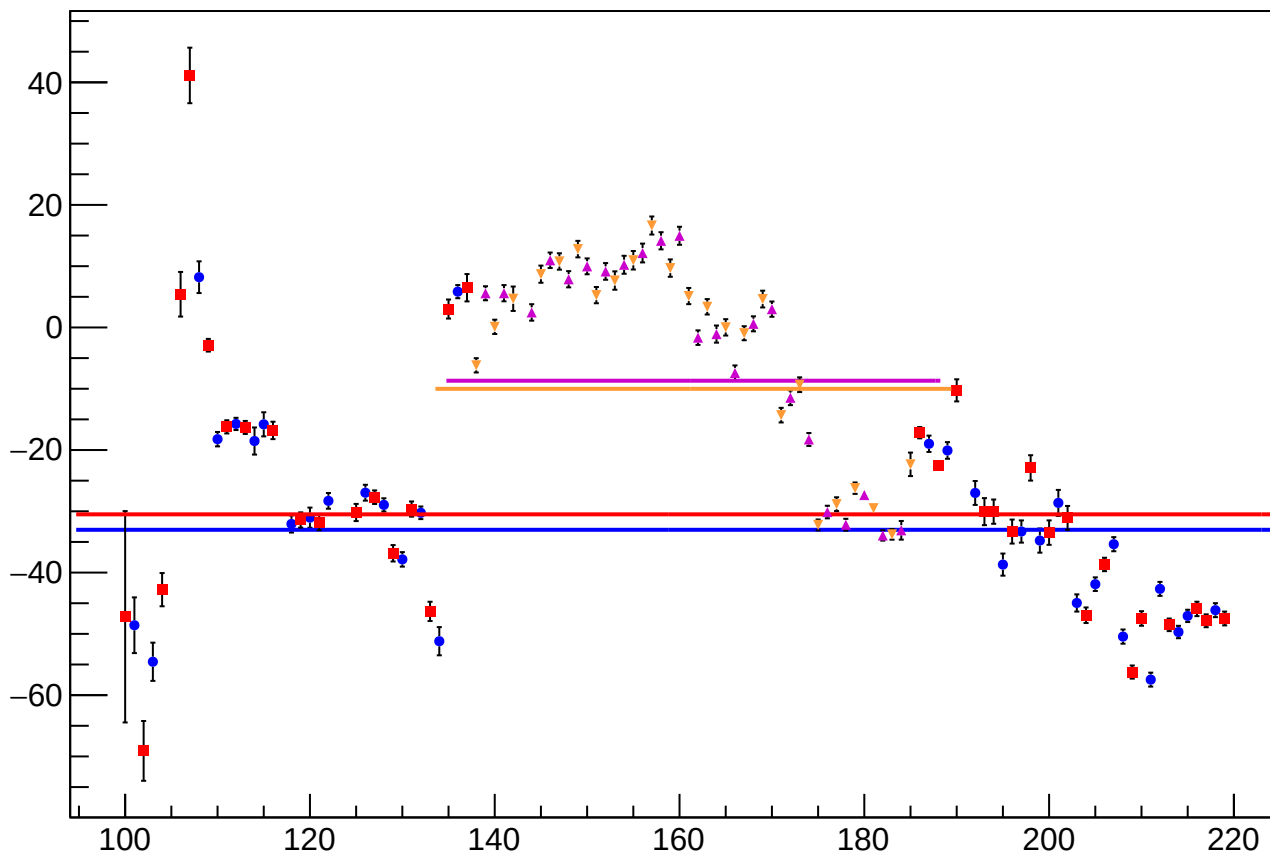
Left In: -4.091 $\pm$ 0.016 χ^2 /NDF: 333287.4/22

+ sign 0.059 $\pm$ 0.014 χ^2 /NDF: 913568.6/55

All: -0.303 $\pm$ 0.010 χ^2 /NDF: 1900746.9/113

- sign -0.669 $\pm$ 0.014 χ^2 /NDF: 985858.5/57

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -33.017 ± 0.238 $\chi^2/\text{NDF}: 4064.0/31$

Left Out: -10.013 ± 0.244 $\chi^2/\text{NDF}: 4977.5/23$

Right Out: -30.496 ± 0.227 $\chi^2/\text{NDF}: 4908.9/34$

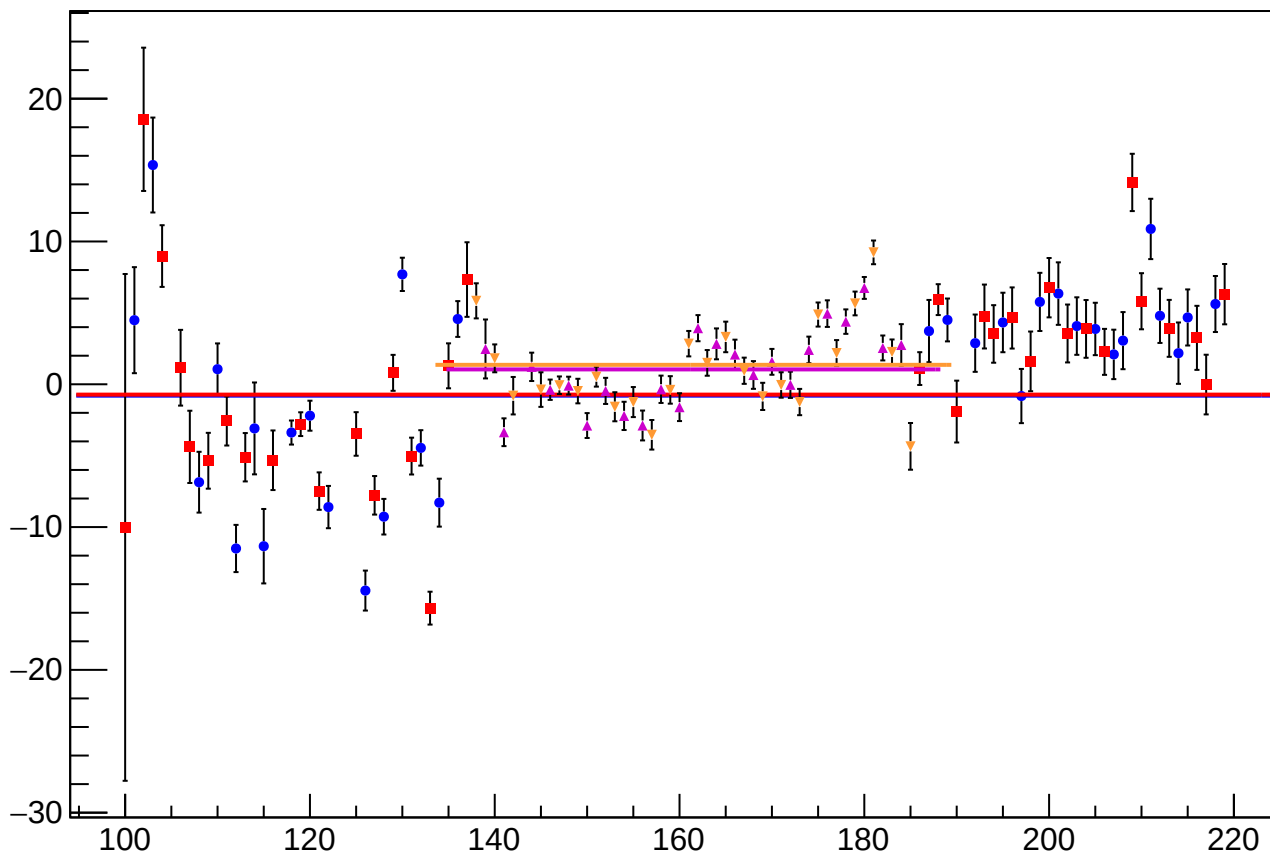
Left In: -8.689 ± 0.248 $\chi^2/\text{NDF}: 5021.6/22$

+ sign -21.829 ± 0.170 $\chi^2/\text{NDF}: 13594.9/55$

All: -21.162 ± 0.119 $\chi^2/\text{NDF}: 27761.0/113$

- sign -20.518 ± 0.168 $\chi^2/\text{NDF}: 14136.0/57$

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.796 ± 0.291 $\chi^2/\text{NDF}: 499.7/31$

Left Out: 1.361 ± 0.188 $\chi^2/\text{NDF}: 240.3/23$

Right Out: -0.725 ± 0.283 $\chi^2/\text{NDF}: 482.3/34$

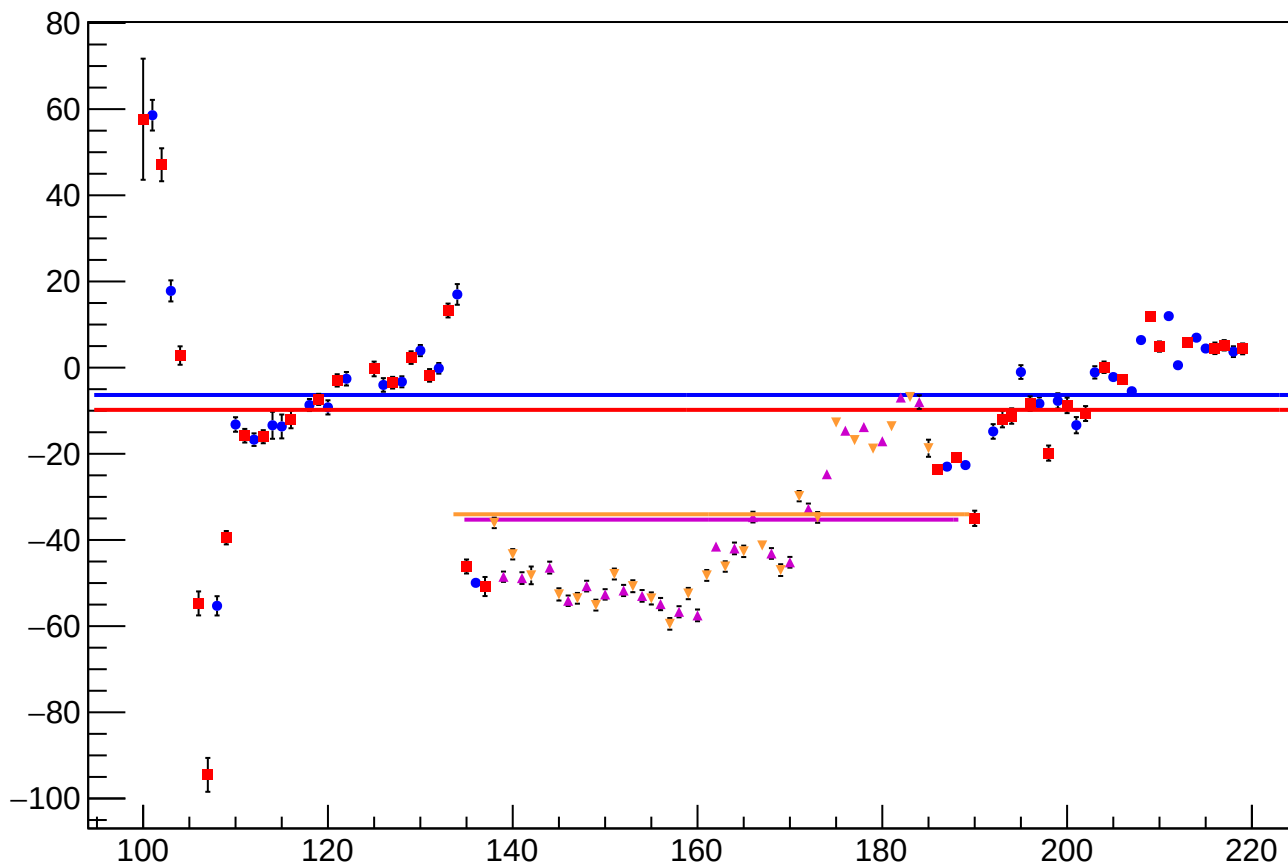
Left In: 1.041 ± 0.192 $\chi^2/\text{NDF}: 196.1/22$

+ sign 0.724 ± 0.158 $\chi^2/\text{NDF}: 778.8/55$

All: 0.603 ± 0.112 $\chi^2/\text{NDF}: 1485.0/113$

- sign 0.482 ± 0.159 $\chi^2/\text{NDF}: 705.1/57$

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -6.346 ± 0.250 $\chi^2/\text{NDF}: 4026.8/31$

Left Out: -34.036 ± 0.243 $\chi^2/\text{NDF}: 4965.7/23$

Right Out: -9.802 ± 0.234 $\chi^2/\text{NDF}: 4774.9/34$

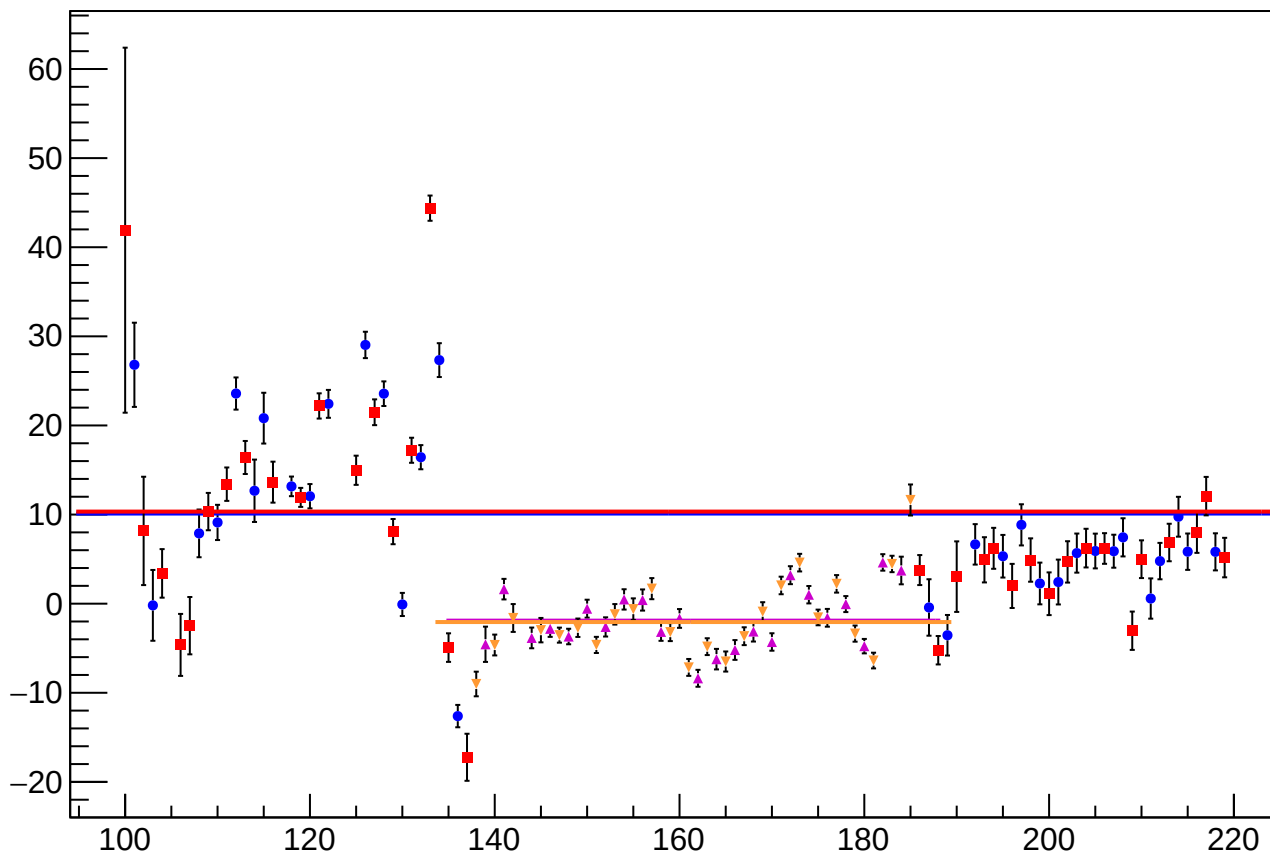
Left In: -35.285 ± 0.245 $\chi^2/\text{NDF}: 4998.0/22$

+ sign -20.617 ± 0.174 $\chi^2/\text{NDF}: 15308.8/55$

All: -21.302 ± 0.121 $\chi^2/\text{NDF}: 30753.3/113$

- sign -21.951 ± 0.169 $\chi^2/\text{NDF}: 15414.3/57$

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.114 ± 0.332 $\chi^2/\text{NDF}: 1037.2/31$

Left Out: -2.062 ± 0.212 $\chi^2/\text{NDF}: 332.4/23$

Right Out: 10.333 ± 0.329 $\chi^2/\text{NDF}: 1226.1/34$

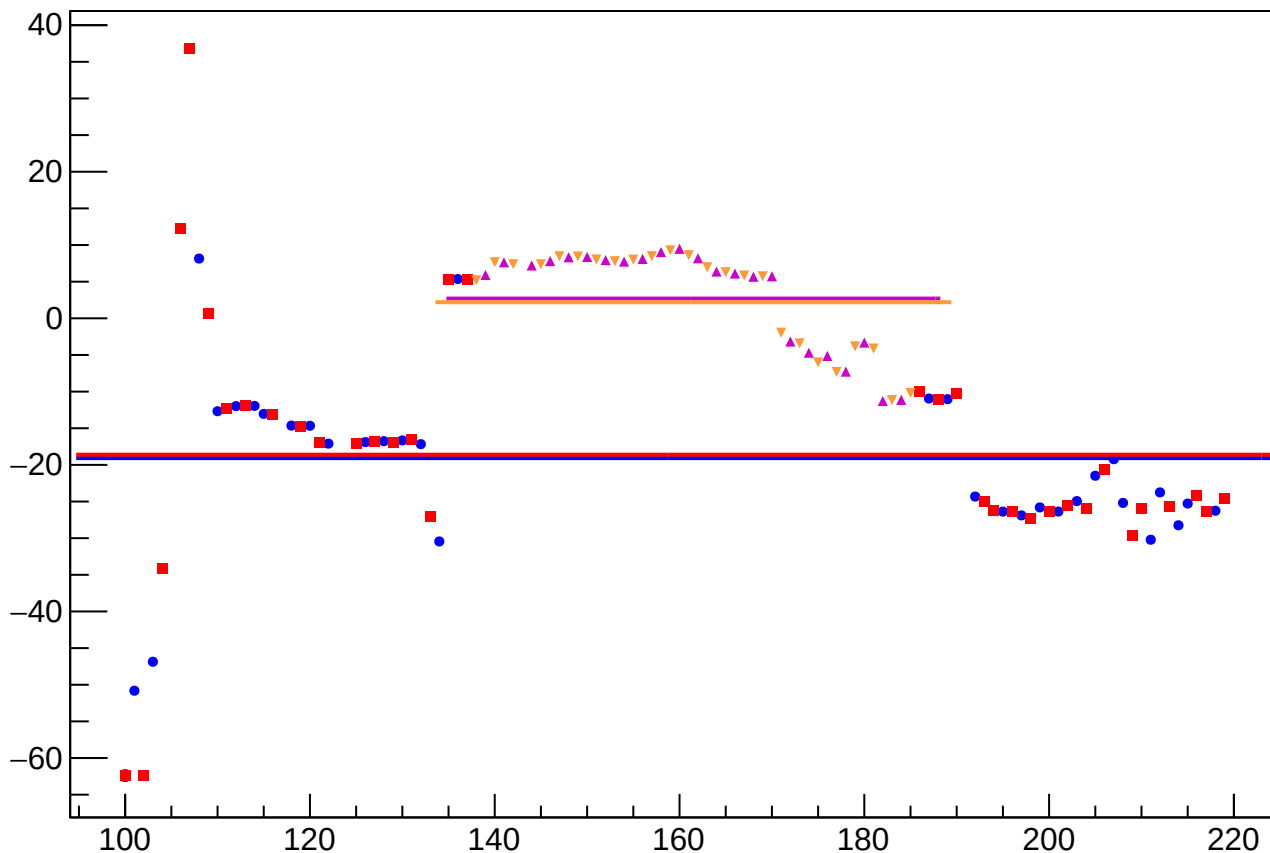
Left In: -1.905 ± 0.216 $\chi^2/\text{NDF}: 222.1/22$

+ sign 1.476 ± 0.179 $\chi^2/\text{NDF}: 2325.8/55$

All: 1.633 ± 0.127 $\chi^2/\text{NDF}: 4744.1/113$

- sign 1.793 ± 0.181 $\chi^2/\text{NDF}: 2416.7/57$

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -19.077 ± 0.017 χ^2/NDF : 535210.5/31

Left Out: 2.198 ± 0.009 χ^2/NDF : 508502.1/23

Right Out: -18.608 ± 0.017 χ^2/NDF : 617372.7/34

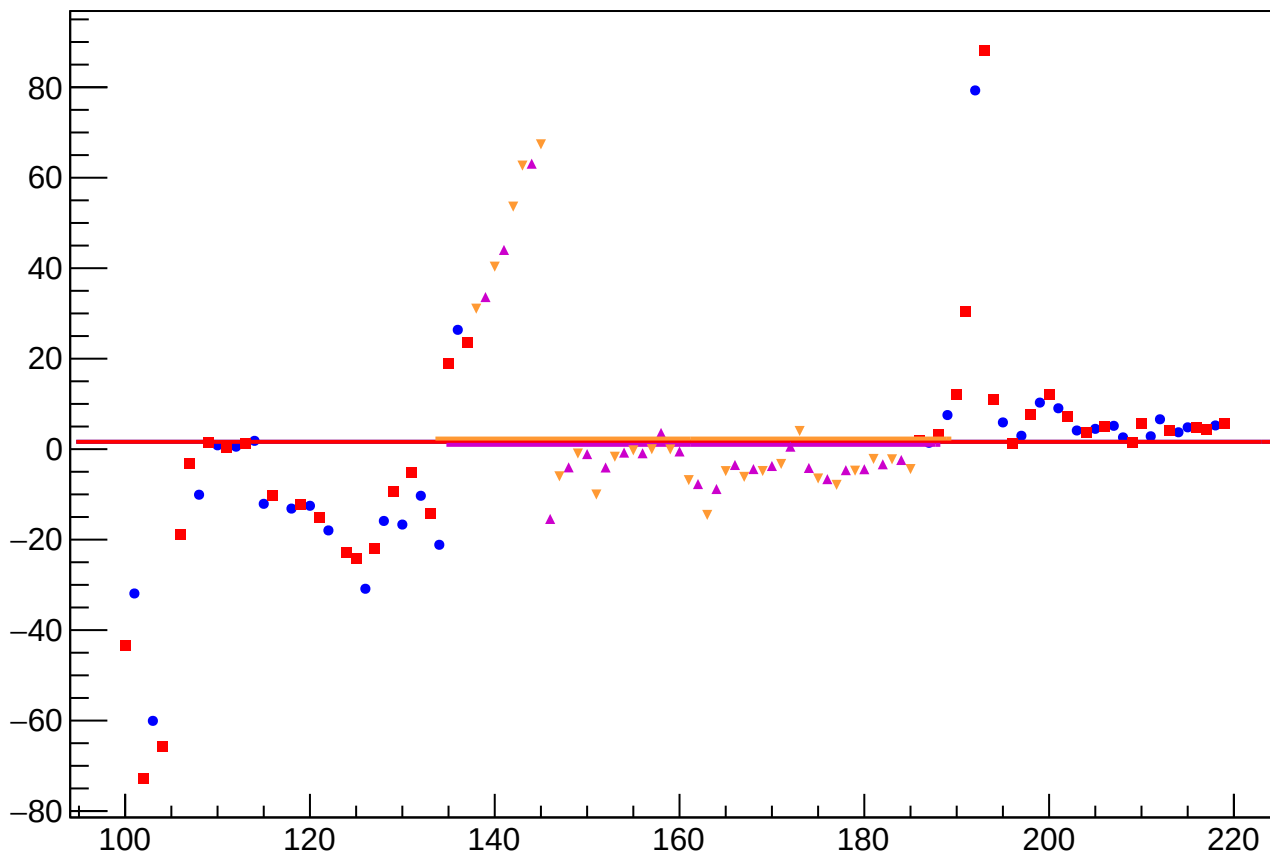
Left In: 2.694 ± 0.010 χ^2/NDF : 498824.3/22

+ sign -3.031 ± 0.008 χ^2/NDF : 2277644.7/55

All: -2.815 ± 0.006 χ^2/NDF : 4630253.2/113

- sign -2.596 ± 0.008 χ^2/NDF : 2351225.7/57

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 1.628 $\pm$ 0.034 χ^2 /NDF: 121846.0/31

Left Out: 2.341 $\pm$ 0.040 χ^2 /NDF:176986.1/24

Right Out: 1.620 $\pm$ 0.031 χ^2 /NDF: 122903.0/36

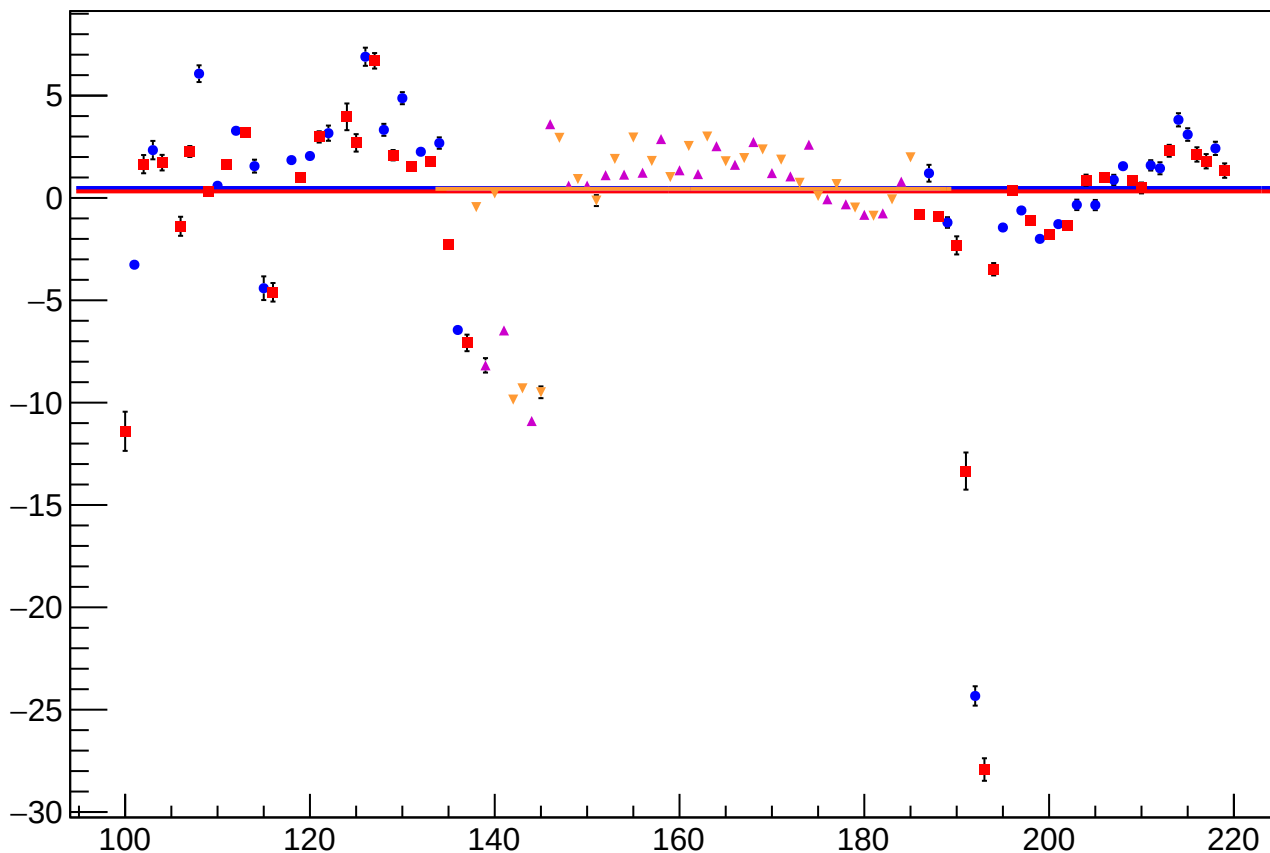
Left In: 0.957 $\pm$ 0.040 χ^2 /NDF:132519.8/22

+ sign 1.929 $\pm$ 0.026 χ^2 /NDF: 299013.7/56

All: 1.632 $\pm$ 0.018 χ^2 /NDF: 554851.2/116

- sign 1.368 $\pm$ 0.025 χ^2 /NDF: 255593.8/59

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.485 ± 0.044 χ^2/NDF : 6130.6/31

Left Out: 0.446 ± 0.033 χ^2/NDF : 7044.3/24

Right Out: 0.321 ± 0.042 χ^2/NDF : 5206.6/36

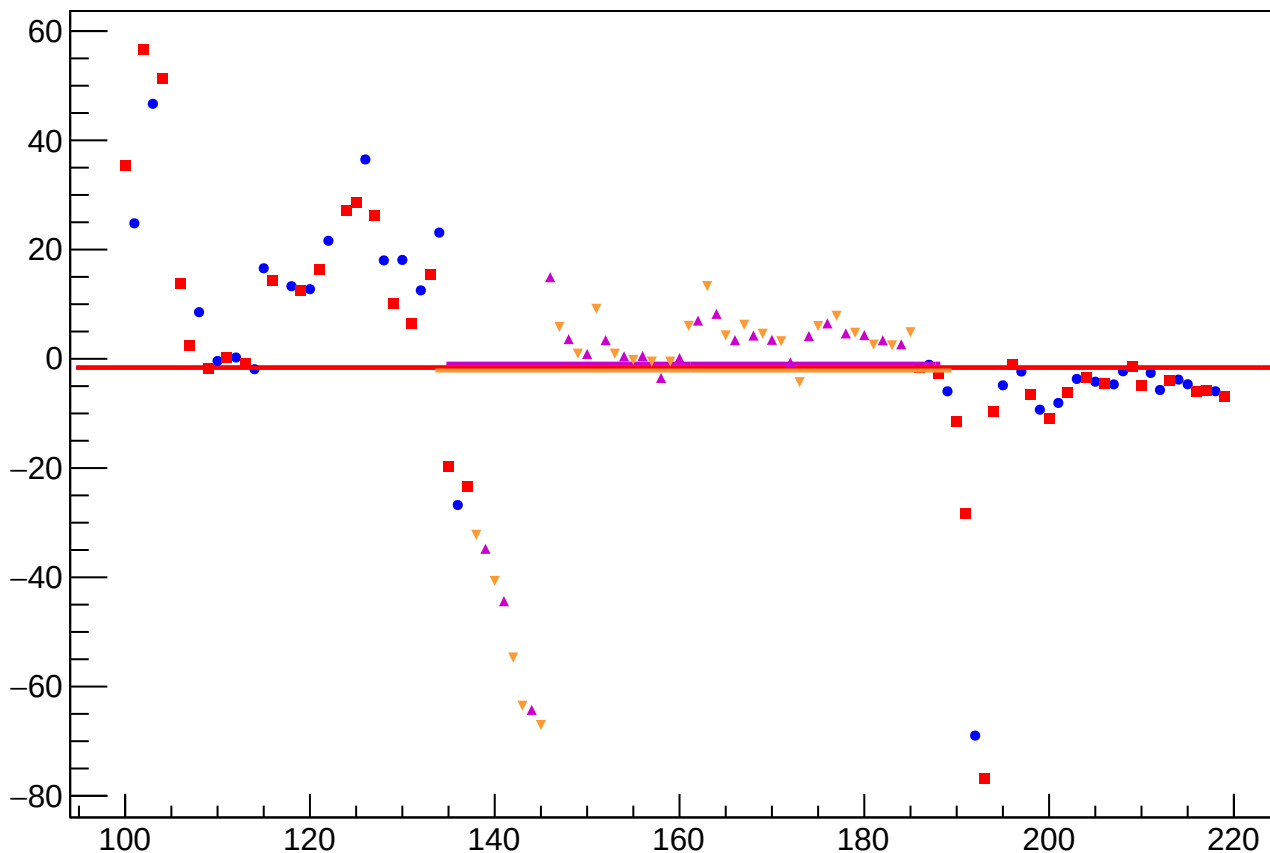
Left In: 0.427 ± 0.031 χ^2/NDF : 7102.3/22

+ sign 0.460 ± 0.026 χ^2/NDF : 13175.5/56

All: 0.423 ± 0.018 χ^2/NDF : 25492.3/116

- sign 0.389 ± 0.025 χ^2/NDF : 12313.0/59

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -1.567 ± 0.036 χ^2/NDF : 120218.1/31

Left Out: -2.143 ± 0.040 χ^2/NDF : 171271.2/24

Right Out: -1.657 ± 0.033 χ^2/NDF : 121410.1/36

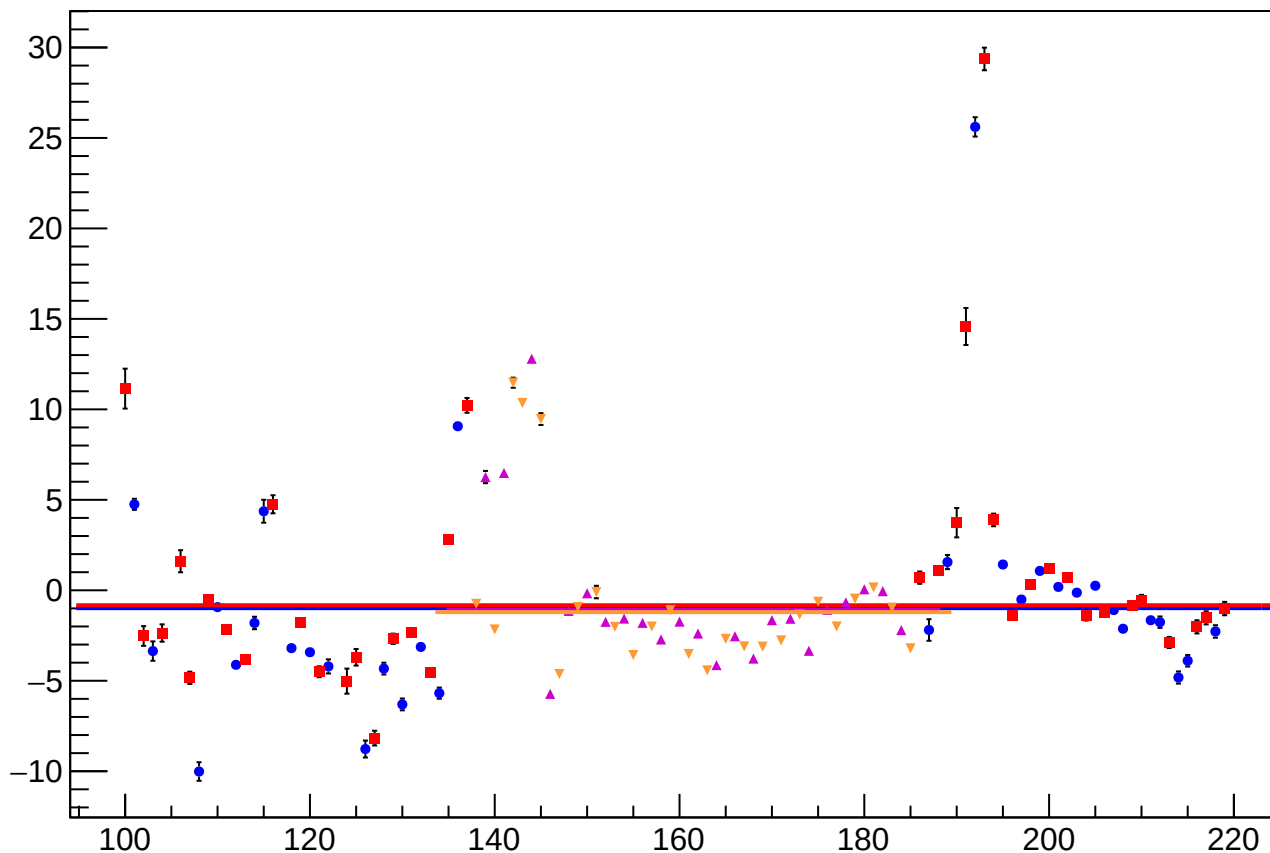
Left In: -0.881 ± 0.039 χ^2/NDF : 129197.8/22

+ sign -1.821 ± 0.027 χ^2/NDF : 291604.0/56

All: -1.565 ± 0.018 χ^2/NDF : 542613.0/116

- sign -1.335 ± 0.025 χ^2/NDF : 250835.4/59

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.986 ± 0.050 χ^2/NDF : 7614.7/31

Left Out: -1.206 ± 0.036 χ^2/NDF : 7003.0/24

Right Out: -0.827 ± 0.048 χ^2/NDF : 5674.9/36

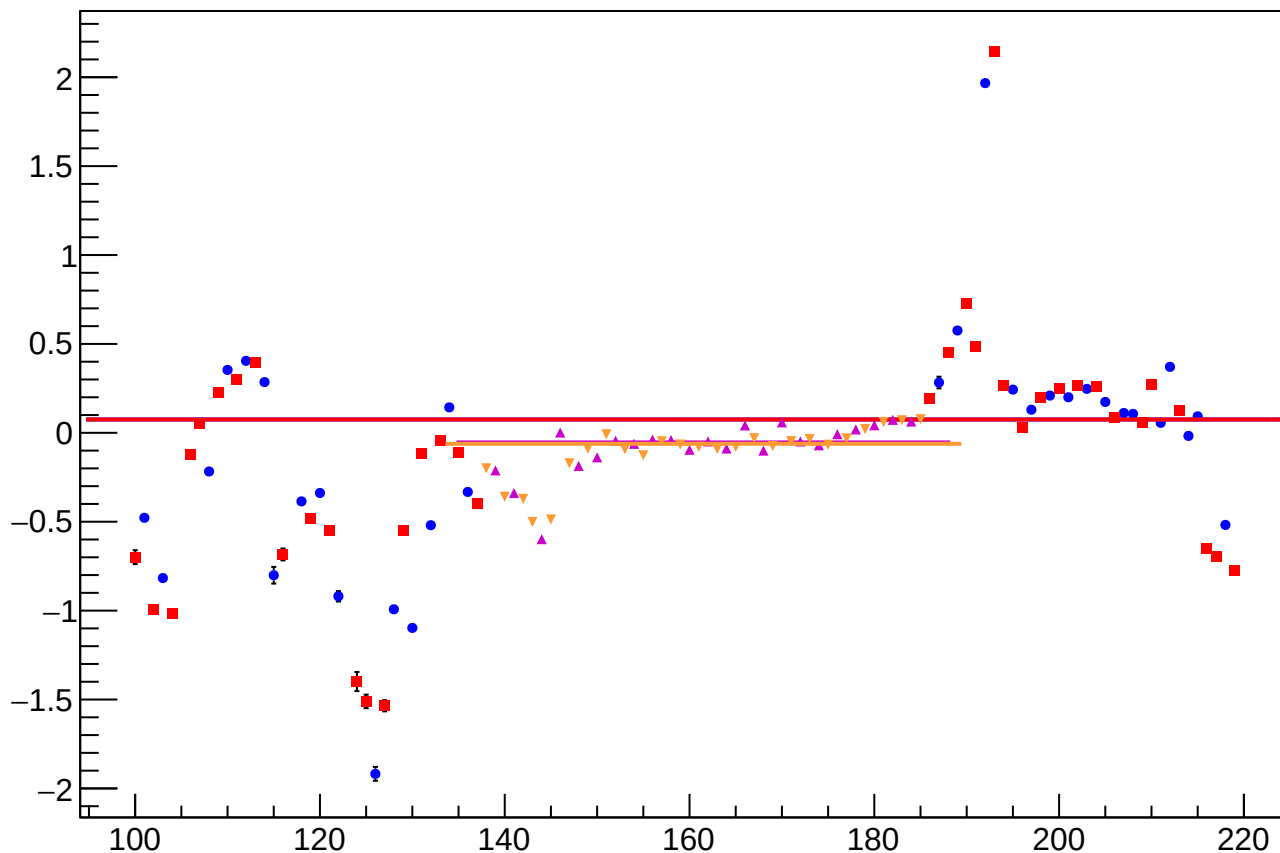
Left In: -1.094 ± 0.035 χ^2/NDF : 7029.2/22

+ sign -1.131 ± 0.029 χ^2/NDF : 14630.3/56

All: -1.063 ± 0.020 χ^2/NDF : 27364.7/116

- sign -1.002 ± 0.028 χ^2/NDF : 12724.3/59

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.075 ± 0.002 $\chi^2/\text{NDF}: 35395.5/31$

Left Out: -0.062 ± 0.002 $\chi^2/\text{NDF}: 5711.9/24$

Right Out: 0.075 ± 0.002 $\chi^2/\text{NDF}: 38970.6/36$

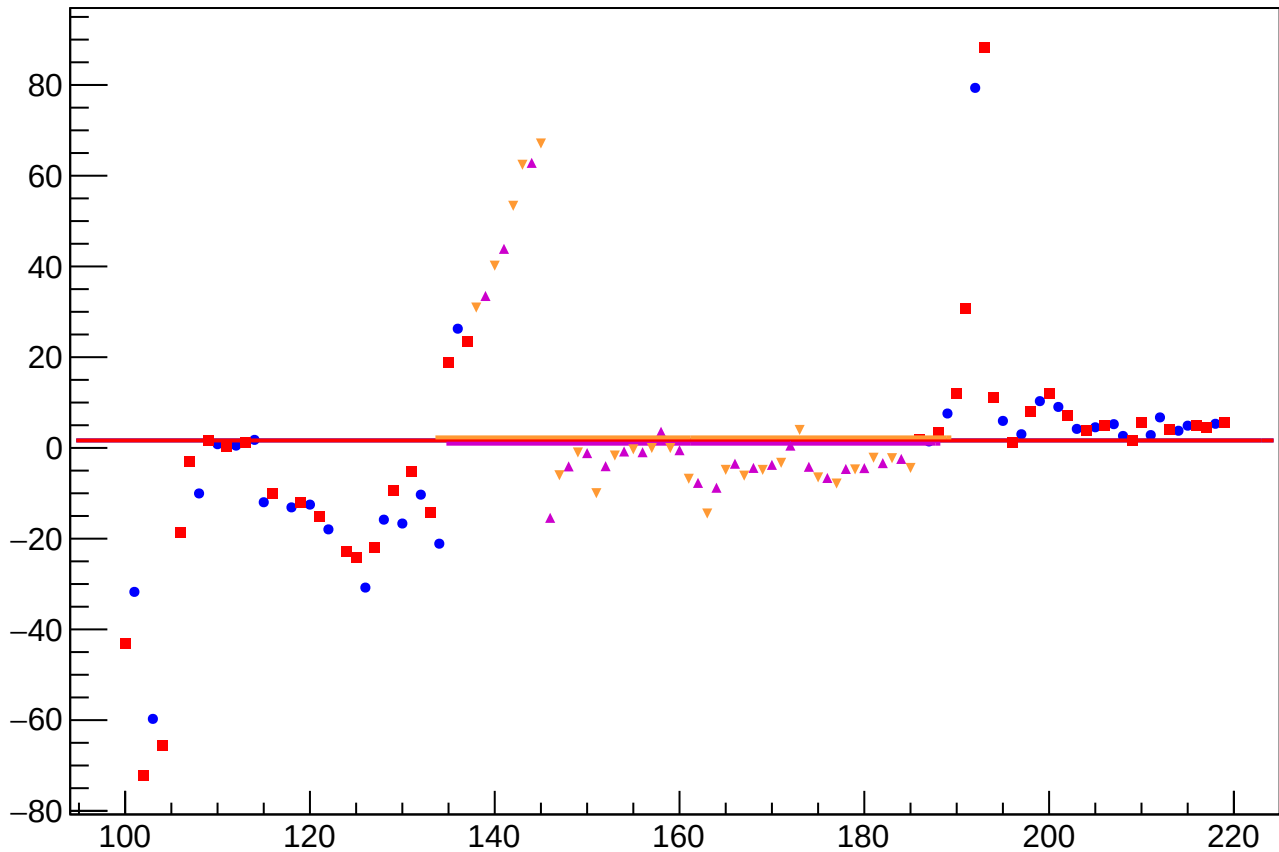
Left In: -0.054 ± 0.001 $\chi^2/\text{NDF}: 5029.9/22$

+ sign -0.016 ± 0.001 $\chi^2/\text{NDF}: 43568.3/56$

All: -0.015 ± 0.001 $\chi^2/\text{NDF}: 89895.4/116$

- sign -0.014 ± 0.001 $\chi^2/\text{NDF}: 46324.5/59$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 1.653 ± 0.034 $\chi^2/\text{NDF}: 122427.8/31$

Left Out: 2.318 ± 0.040 $\chi^2/\text{NDF}: 176746.3/24$

Right Out: 1.646 ± 0.031 $\chi^2/\text{NDF}: 123540.5/36$

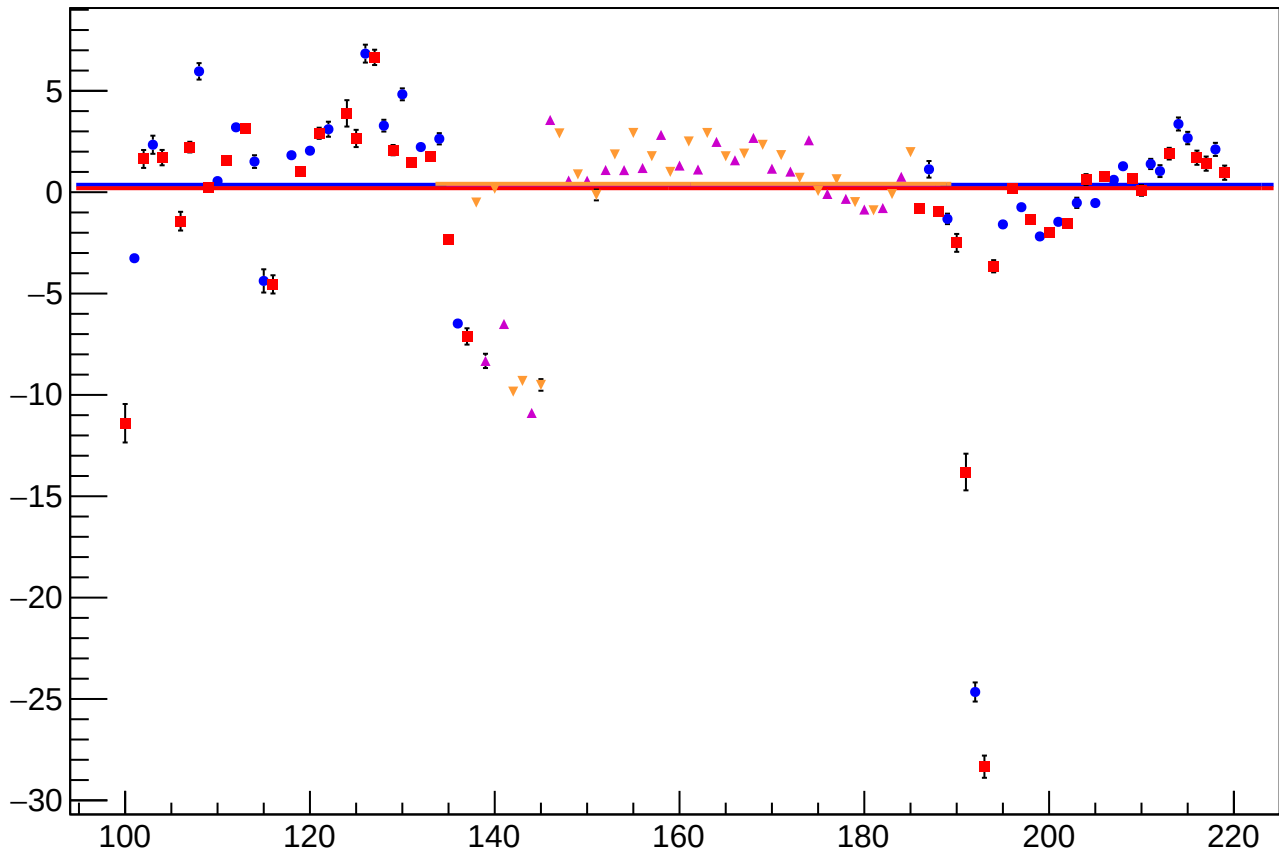
Left In: 0.935 ± 0.040 $\chi^2/\text{NDF}: 132405.3/22$

+ sign 1.933 ± 0.026 $\chi^2/\text{NDF}: 299333.1/56$

All: 1.638 ± 0.018 $\chi^2/\text{NDF}: 555719.0/116$

- sign 1.377 ± 0.024 $\chi^2/\text{NDF}: 256143.8/59$

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.365 ± 0.044 χ^2/NDF : 6200.8/31

Left Out: 0.414 ± 0.033 χ^2/NDF : 7047.2/24

Right Out: 0.196 ± 0.042 χ^2/NDF : 5335.6/36

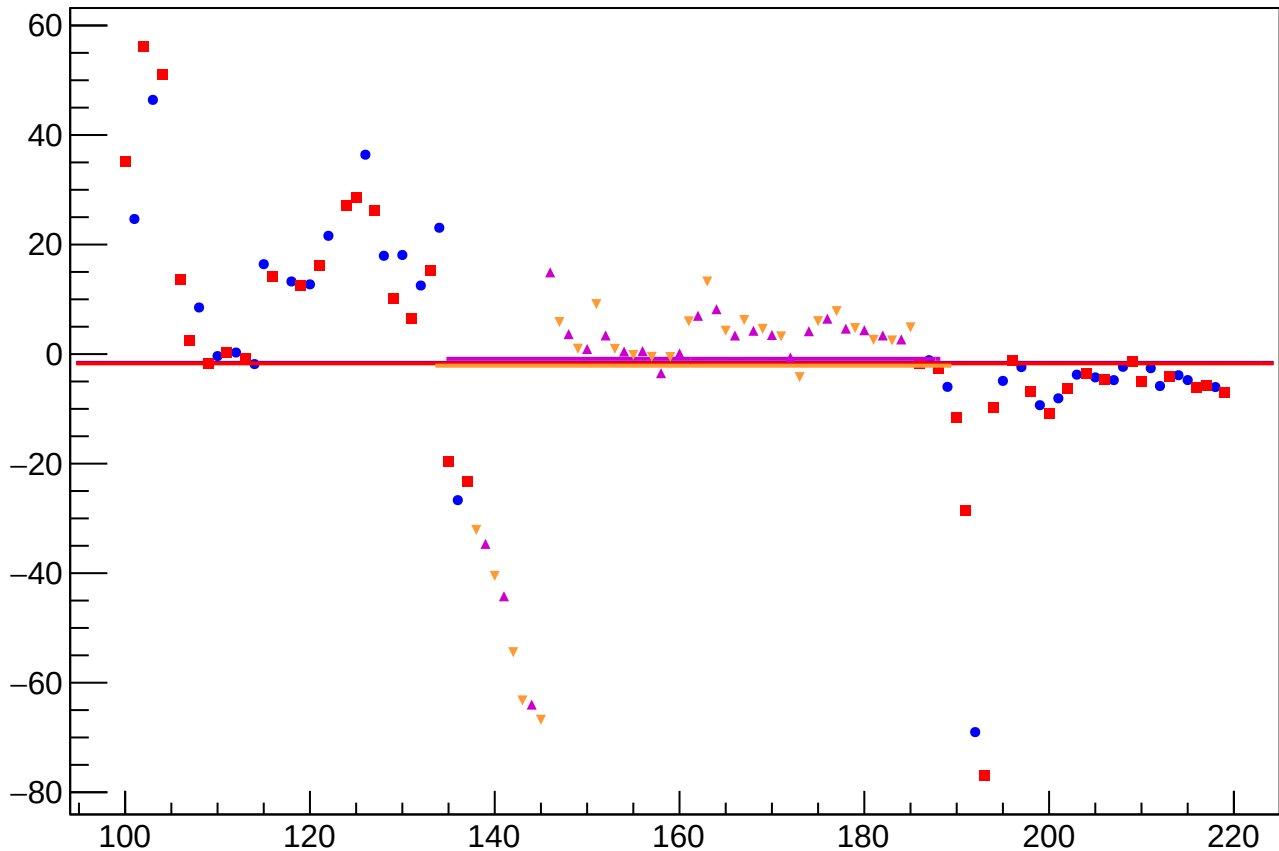
Left In: 0.389 ± 0.031 χ^2/NDF : 7114.2/22

+ sign 0.396 ± 0.026 χ^2/NDF : 13248.8/56

All: 0.356 ± 0.018 χ^2/NDF : 25716.8/116

- sign 0.319 ± 0.025 χ^2/NDF : 12463.5/59

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -1.596 ± 0.036 $\chi^2/\text{NDF}: 120748.5/31$

Left Out: -2.119 ± 0.040 $\chi^2/\text{NDF}: 171039.7/24$

Right Out: -1.687 ± 0.033 $\chi^2/\text{NDF}: 122009.1/36$

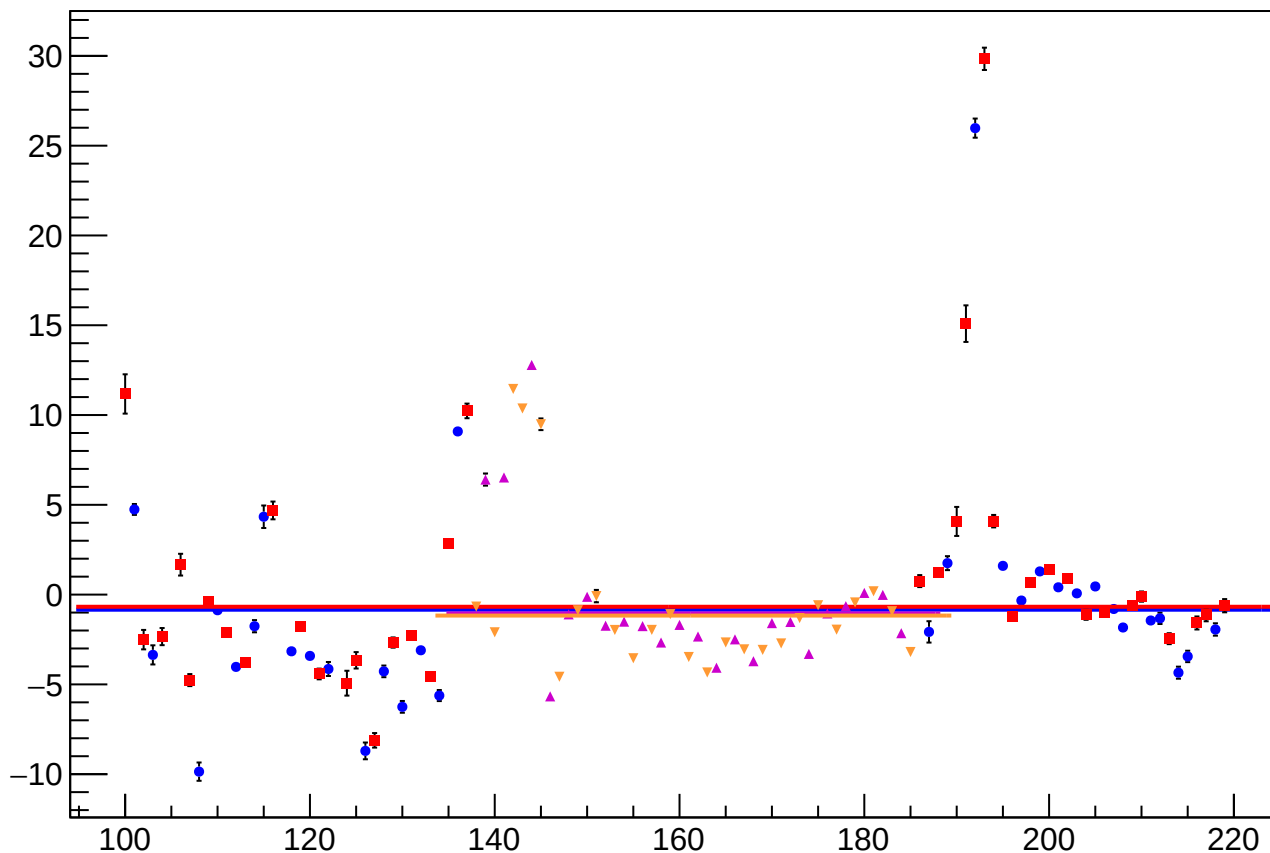
Left In: -0.859 ± 0.039 $\chi^2/\text{NDF}: 129084.9/22$

+ sign -1.826 ± 0.027 $\chi^2/\text{NDF}: 291883.4/56$

All: -1.573 ± 0.018 $\chi^2/\text{NDF}: 543411.7/116$

- sign -1.345 ± 0.025 $\chi^2/\text{NDF}: 251355.7/59$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.841 ± 0.050 χ^2/NDF : 7673.2/31

Left Out: -1.167 ± 0.036 χ^2/NDF : 7001.4/24

Right Out: -0.677 ± 0.048 χ^2/NDF : 5813.0/36

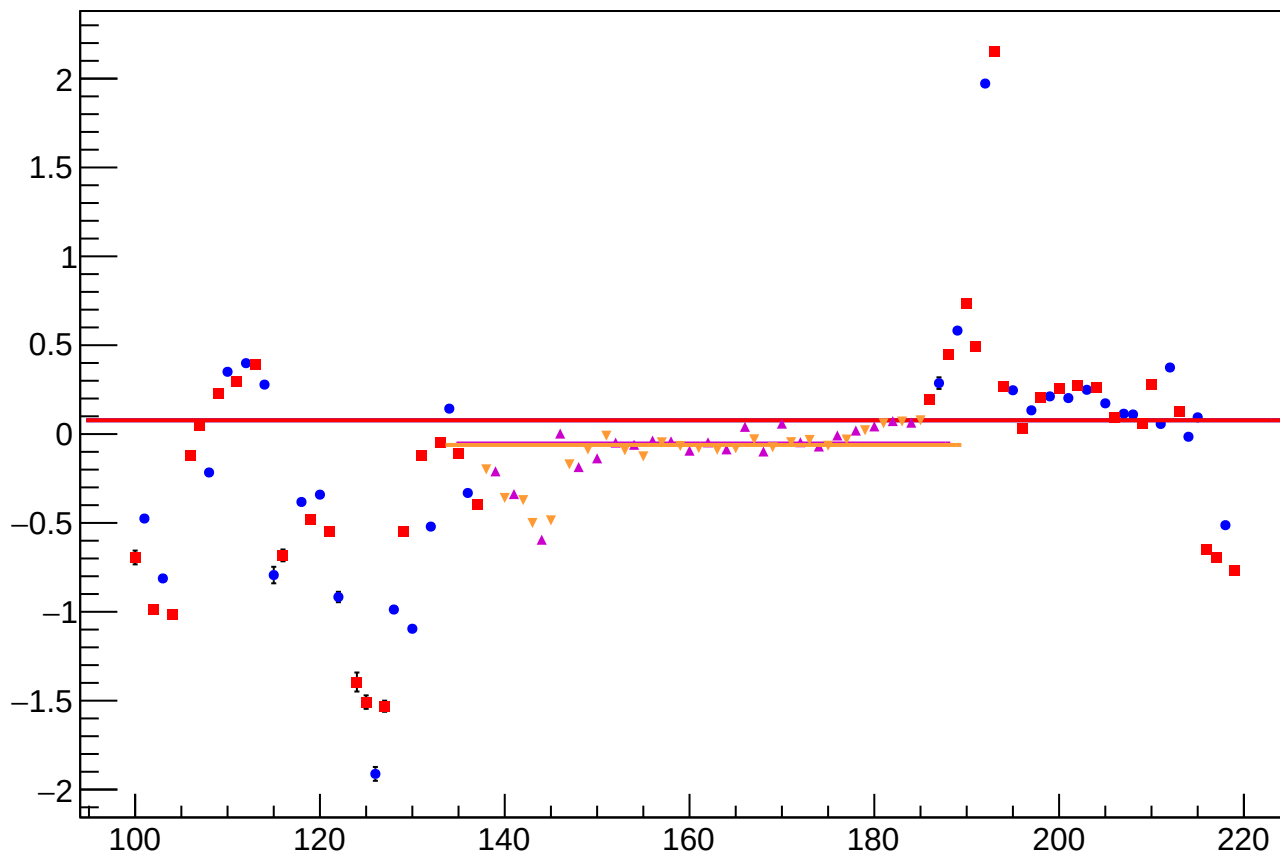
Left In: -1.048 ± 0.035 χ^2/NDF : 7040.7/22

+ sign -1.055 ± 0.029 χ^2/NDF : 14702.5/56

All: -0.985 ± 0.020 χ^2/NDF : 27606.7/116

- sign -0.920 ± 0.028 χ^2/NDF : 12893.1/59

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.077 ± 0.002 χ^2/NDF : 35670.6/31

Left Out: -0.061 ± 0.002 χ^2/NDF : 5729.4/24

Right Out: 0.078 ± 0.002 χ^2/NDF : 39313.8/36

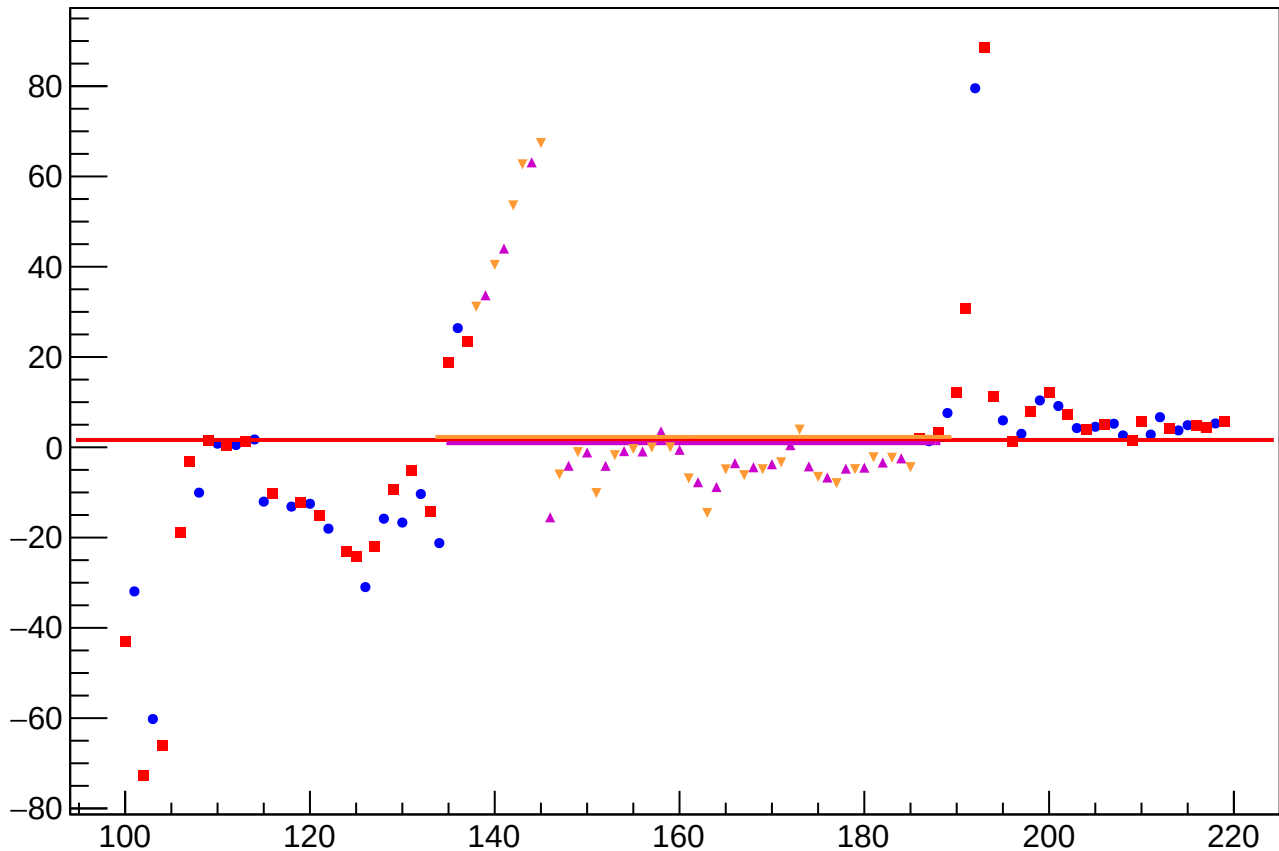
Left In: -0.053 ± 0.001 χ^2/NDF : 5006.2/22

+ sign -0.015 ± 0.001 χ^2/NDF : 43947.2/56

All: -0.014 ± 0.001 χ^2/NDF : 90691.3/116

- sign -0.012 ± 0.001 χ^2/NDF : 46740.6/59

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 1.624 ± 0.034 χ^2/NDF : 122441.3/31

Left Out: 2.296 ± 0.040 χ^2/NDF : 177186.2/24

Right Out: 1.617 ± 0.031 χ^2/NDF : 123518.9/36

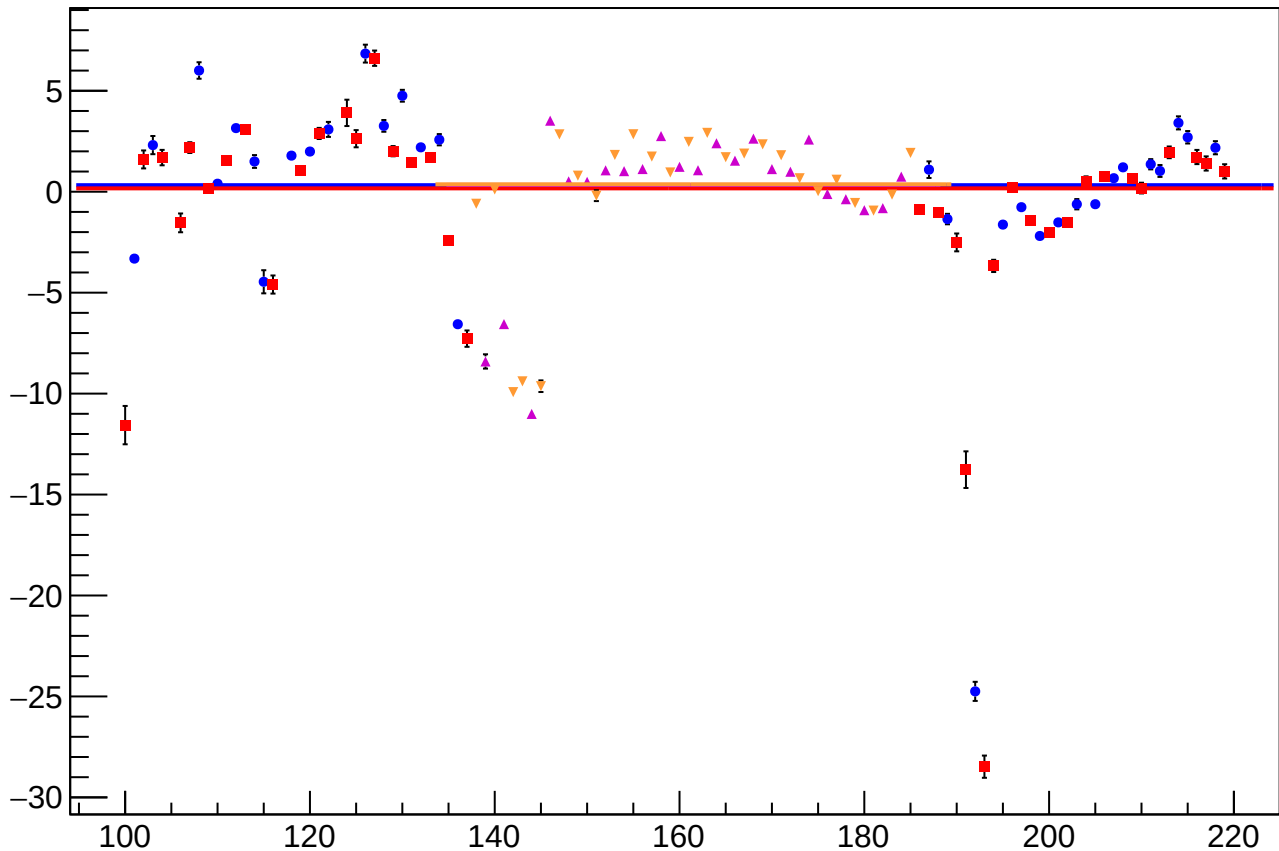
Left In: 0.912 ± 0.040 χ^2/NDF : 132573.8/22

+ sign 1.908 ± 0.026 χ^2/NDF : 299788.3/56

All: 1.611 ± 0.018 χ^2/NDF : 556314.9/116

- sign 1.350 ± 0.025 χ^2/NDF : 256285.7/59

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.324 $\pm$ 0.044 χ^2 /NDF: 6198.1/31

Left Out: 0.368 $\pm$ 0.033 χ^2 /NDF: 7068.0/24

Right Out: 0.166 $\pm$ 0.042 χ^2 /NDF: 5335.3/36

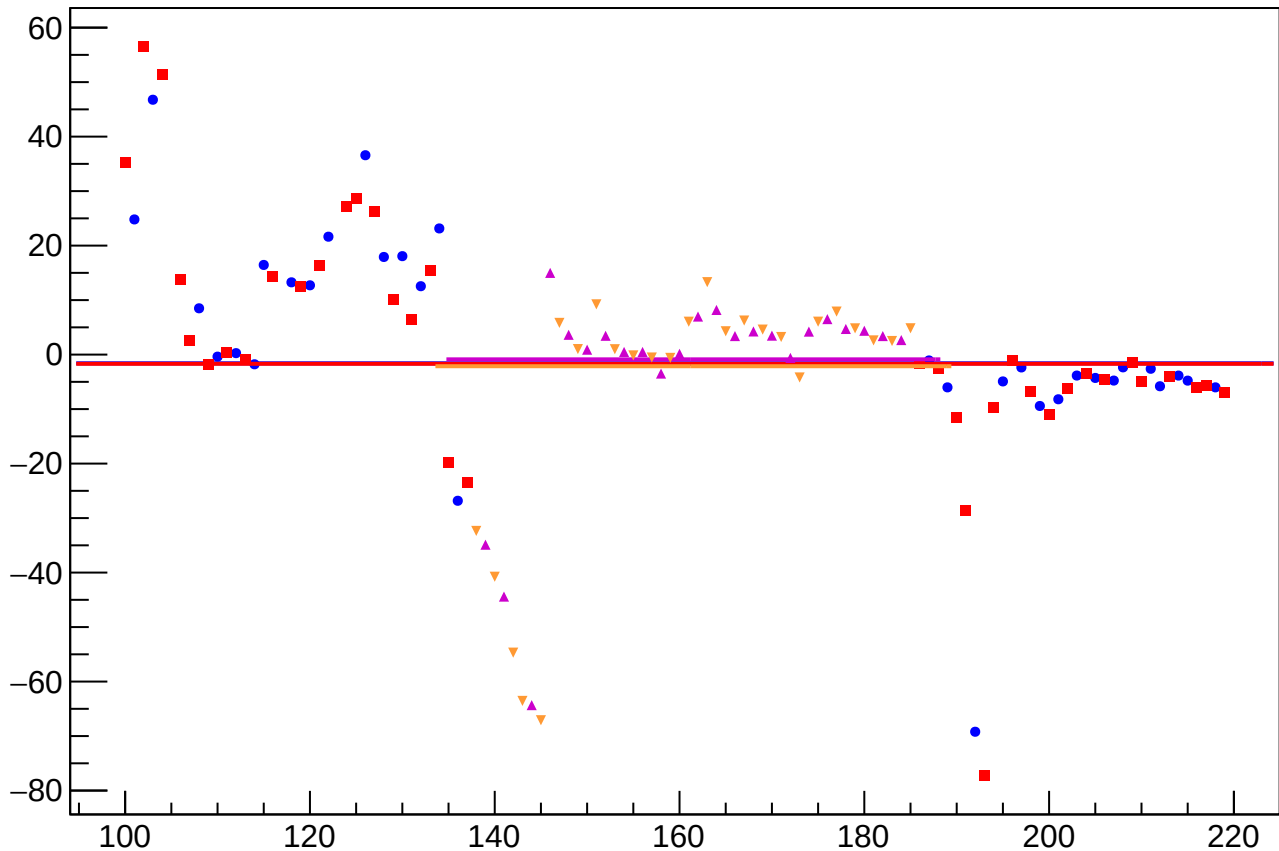
Left In: 0.337 $\pm$ 0.031 χ^2 /NDF: 7094.3/22

+ sign 0.352 $\pm$ 0.026 χ^2 /NDF: 13266.7/56

All: 0.312 $\pm$ 0.018 χ^2 /NDF: 25711.3/116

- sign 0.275 $\pm$ 0.025 χ^2 /NDF: 12440.2/59

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -1.599 ± 0.036 χ^2/NDF : 120781.8/31

Left Out: -2.133 ± 0.040 χ^2/NDF : 171466.8/24

Right Out: -1.688 ± 0.033 χ^2/NDF : 122018.1/36

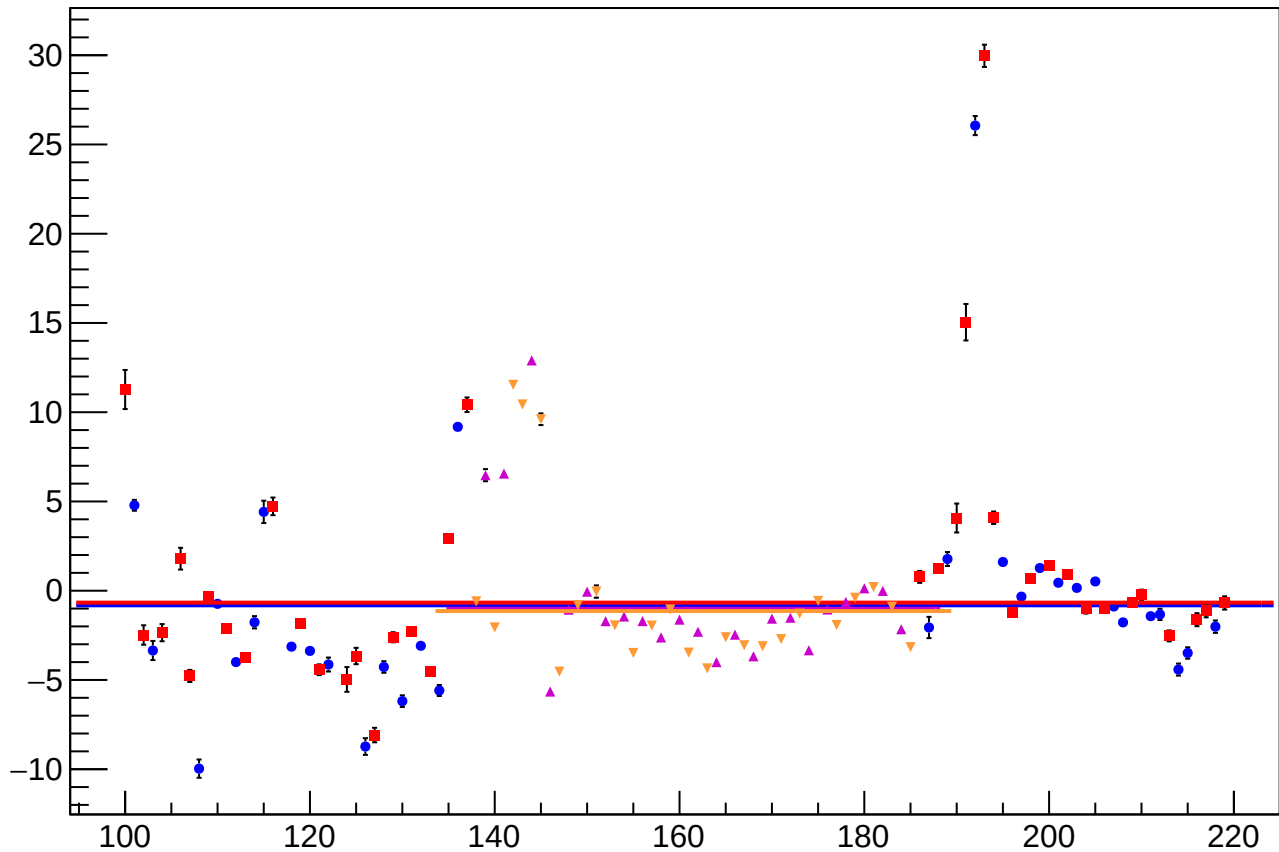
Left In: -0.871 ± 0.039 χ^2/NDF : 129263.4/22

+ sign -1.834 ± 0.027 χ^2/NDF : 292347.0/56

All: -1.579 ± 0.018 χ^2/NDF : 544053.0/116

- sign -1.350 ± 0.025 χ^2/NDF : 251533.2/59

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.817 ± 0.050 χ^2/NDF : 7677.1/31

Left Out: -1.140 ± 0.036 χ^2/NDF : 7022.9/24

Right Out: -0.667 ± 0.048 χ^2/NDF : 5820.3/36

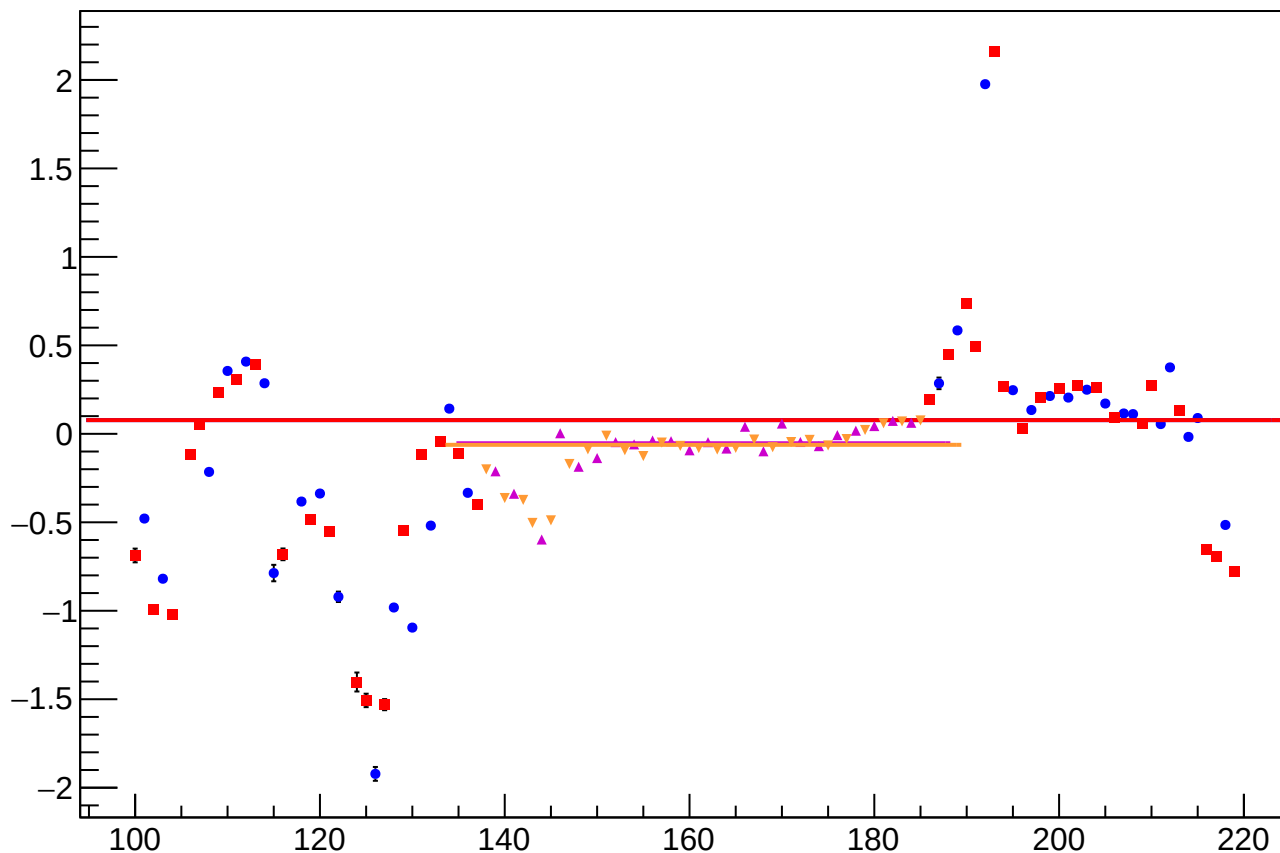
Left In: -1.013 ± 0.035 χ^2/NDF : 7027.2/22

+ sign -1.029 ± 0.029 χ^2/NDF : 14727.0/56

All: -0.959 ± 0.020 χ^2/NDF : 27619.6/116

- sign -0.894 ± 0.028 χ^2/NDF : 12881.6/59

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.077 ± 0.002 χ^2/NDF : 35657.2/31

Left Out: -0.062 ± 0.002 χ^2/NDF : 5736.1/24

Right Out: 0.078 ± 0.002 χ^2/NDF : 39253.3/36

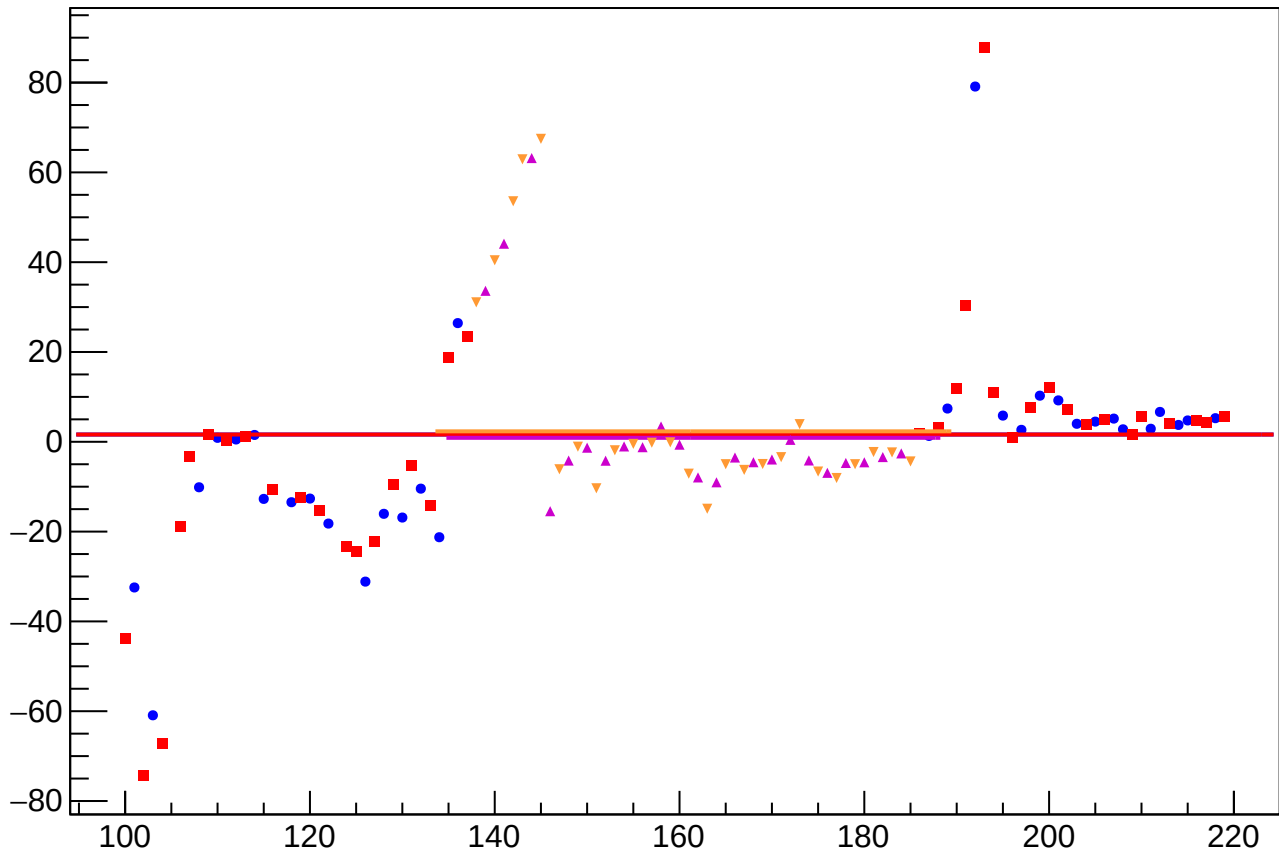
Left In: -0.053 ± 0.001 χ^2/NDF : 4993.7/22

+ sign -0.016 ± 0.001 χ^2/NDF : 43944.6/56

All: -0.014 ± 0.001 χ^2/NDF : 90593.8/116

- sign -0.012 ± 0.001 χ^2/NDF : 46644.7/59

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 1.619 ± 0.035 $\chi^2/\text{NDF}: 120541.8/31$

Left Out: 2.329 ± 0.041 $\chi^2/\text{NDF}: 174647.6/24$

Right Out: 1.619 ± 0.032 $\chi^2/\text{NDF}: 121854.7/36$

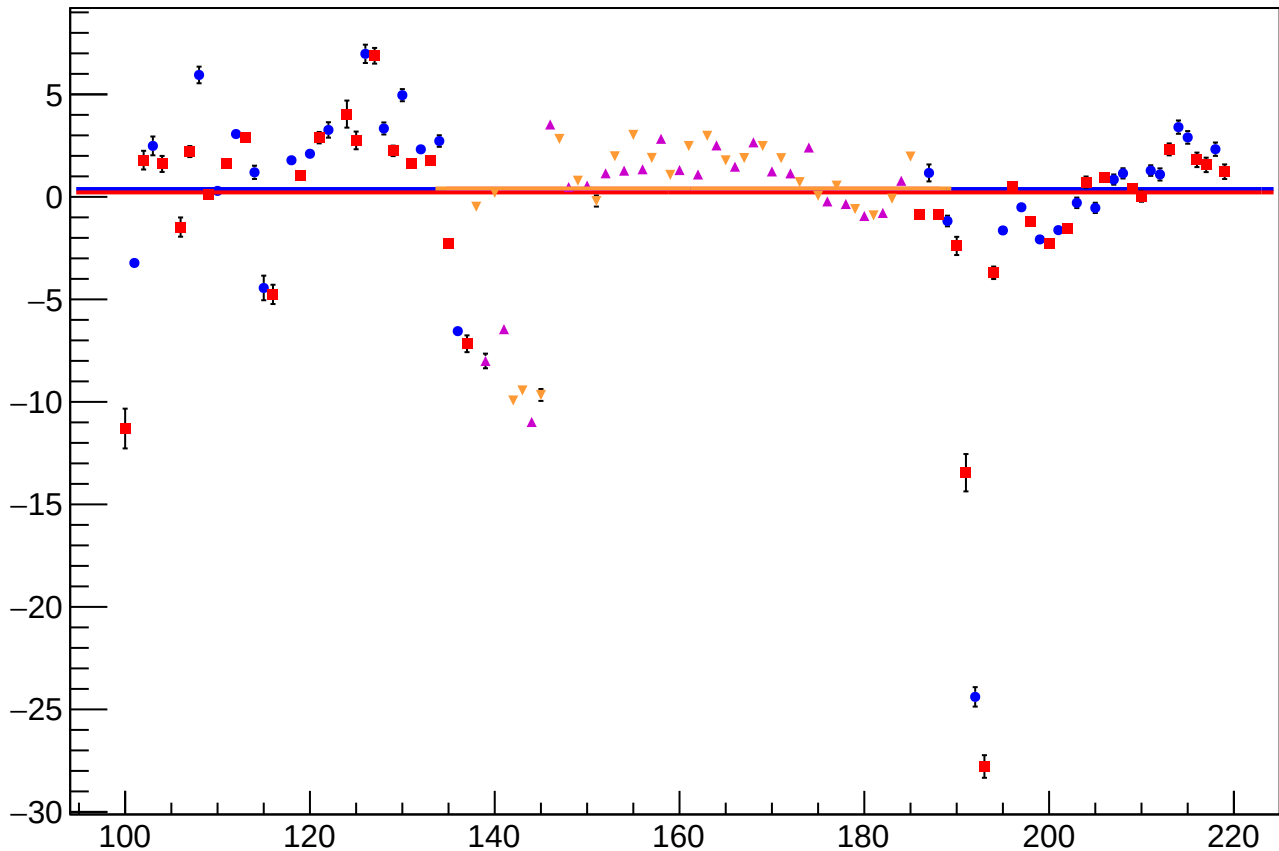
Left In: 0.887 ± 0.041 $\chi^2/\text{NDF}: 130417.3/22$

+ sign 1.916 ± 0.027 $\chi^2/\text{NDF}: 295363.1/56$

All: 1.612 ± 0.018 $\chi^2/\text{NDF}: 548082.4/116$

- sign 1.343 ± 0.025 $\chi^2/\text{NDF}: 252472.9/59$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.383 ± 0.045 χ^2/NDF : 6037.5/31

Left Out: 0.410 ± 0.033 χ^2/NDF : 7047.9/24

Right Out: 0.218 ± 0.042 χ^2/NDF : 5160.1/36

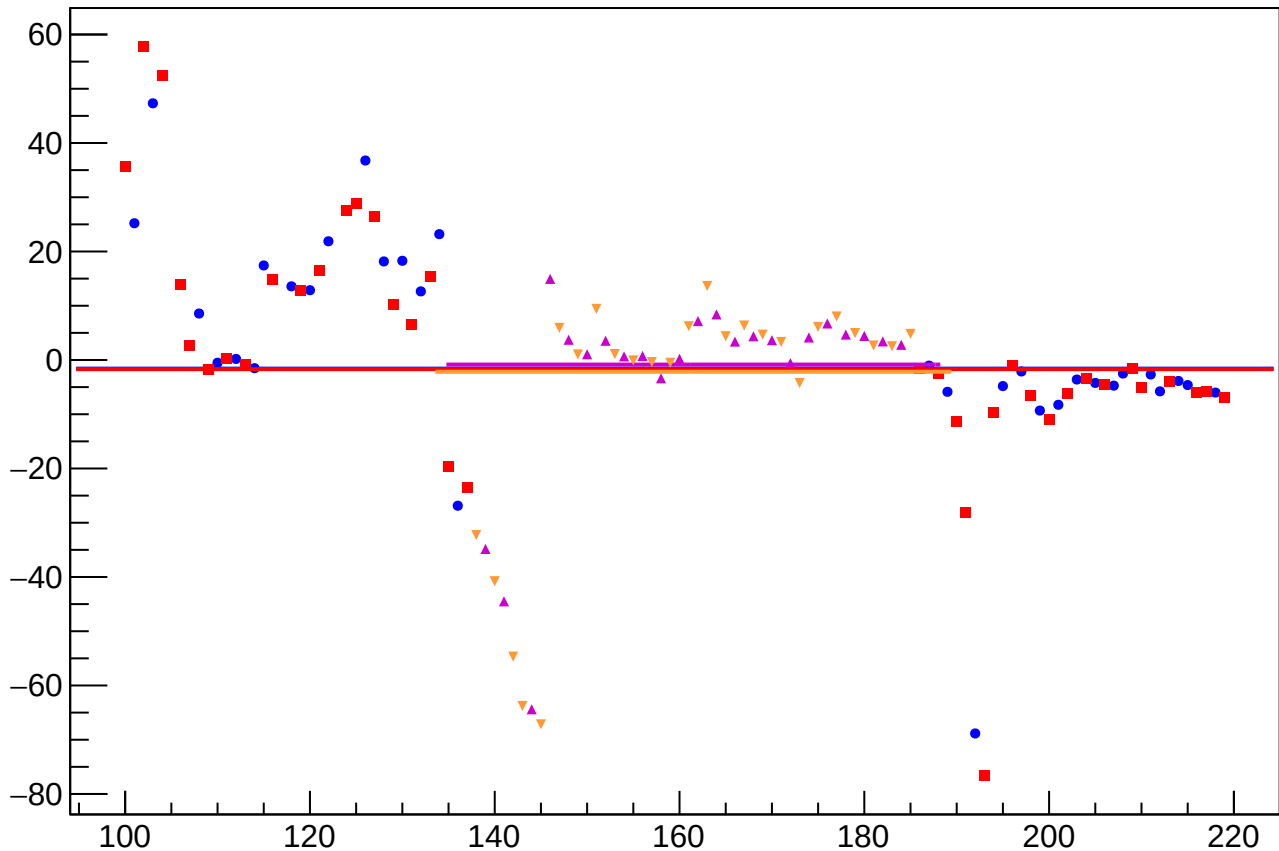
Left In: 0.396 ± 0.032 χ^2/NDF : 6932.0/22

+ sign 0.400 ± 0.027 χ^2/NDF : 13085.6/56

All: 0.364 ± 0.018 χ^2/NDF : 25192.4/116

- sign 0.331 ± 0.026 χ^2/NDF : 12103.4/59

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -1.595 ± 0.036 χ^2/NDF : 118928.3/31

Left Out: -2.163 ± 0.041 χ^2/NDF : 168990.2/24

Right Out: -1.689 ± 0.033 χ^2/NDF : 120359.4/36

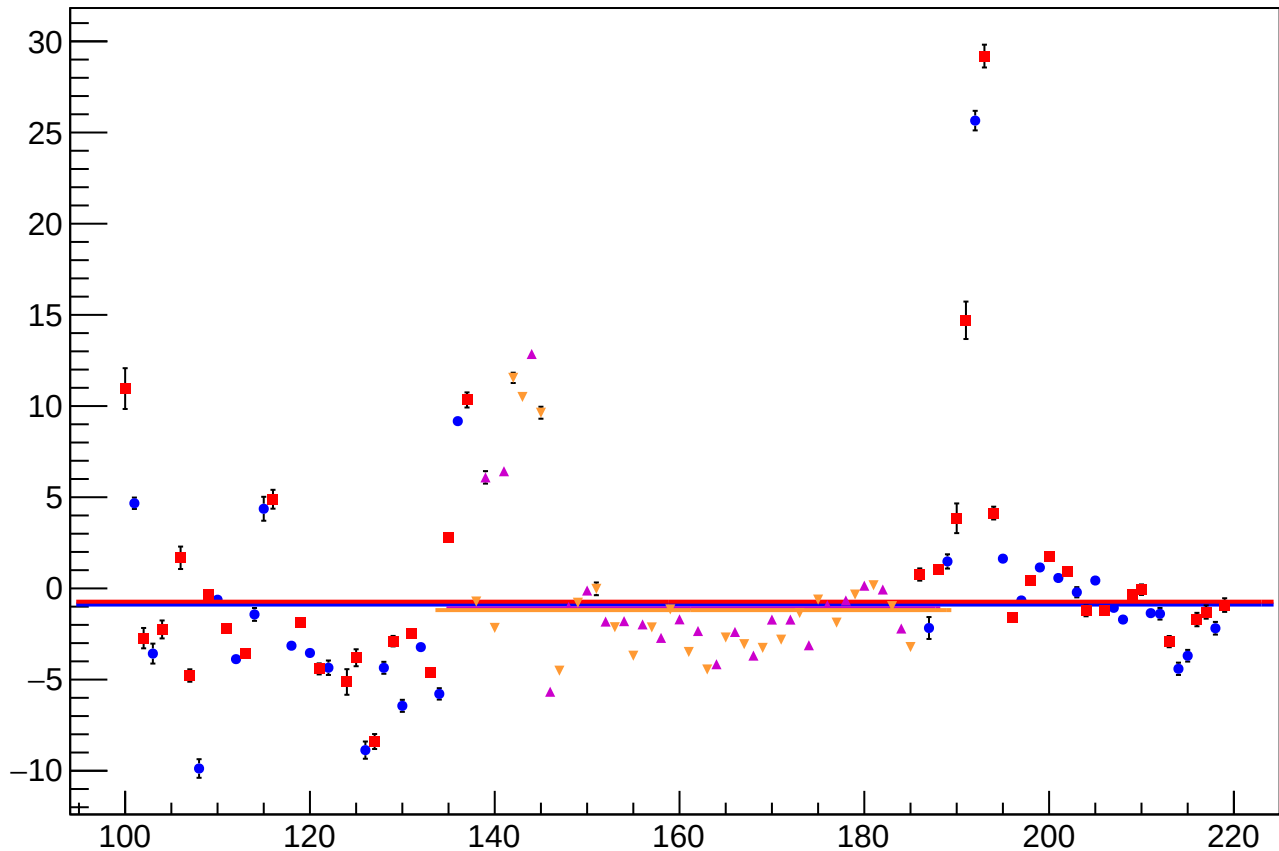
Left In: -0.843 ± 0.040 χ^2/NDF : 127135.3/22

+ sign -1.843 ± 0.027 χ^2/NDF : 288026.6/56

All: -1.580 ± 0.019 χ^2/NDF : 535962.8/116

- sign -1.343 ± 0.026 χ^2/NDF : 247757.0/59

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.886 ± 0.051 χ^2/NDF : 7513.8/31

Left Out: -1.190 ± 0.037 χ^2/NDF : 6995.9/24

Right Out: -0.728 ± 0.049 χ^2/NDF : 5654.3/36

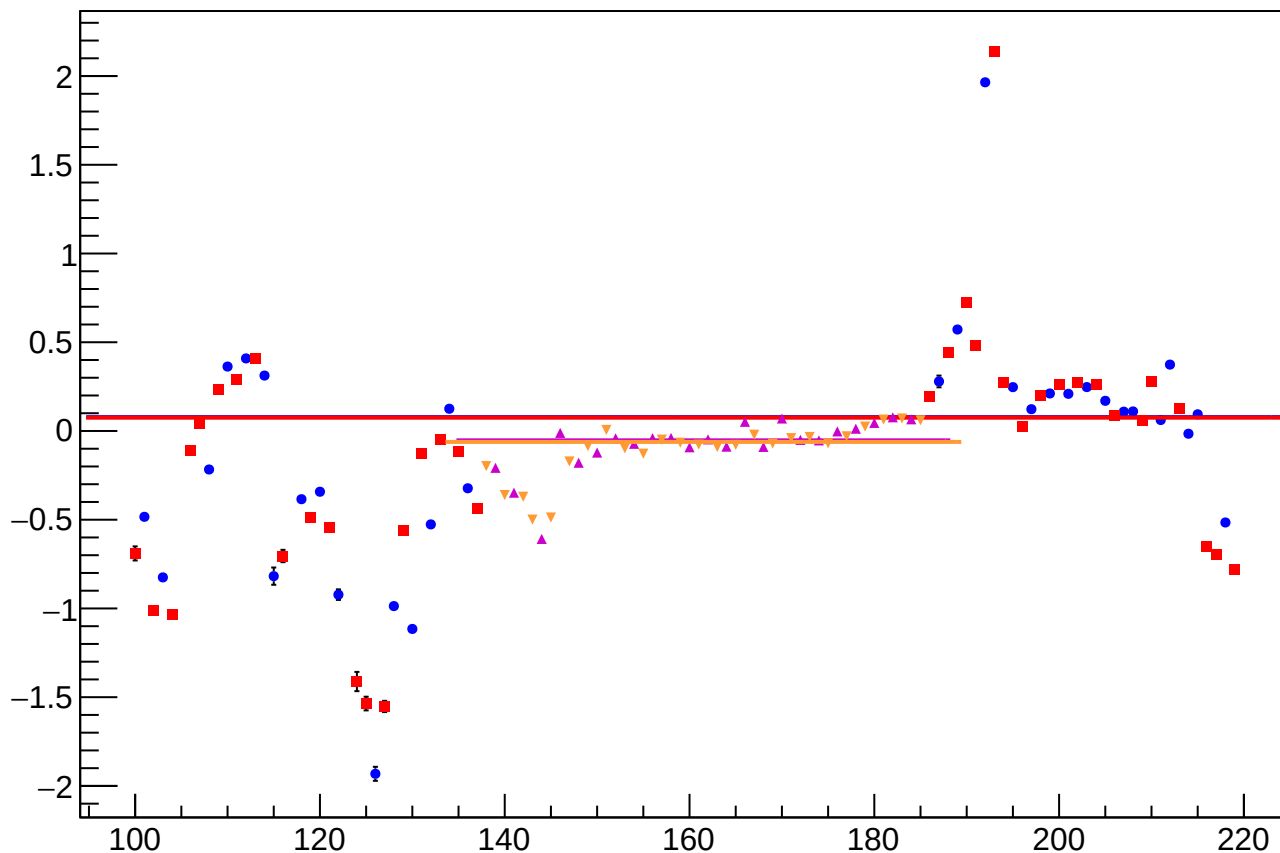
Left In: -1.089 ± 0.036 χ^2/NDF : 6840.8/22

+ sign -1.085 ± 0.030 χ^2/NDF : 14533.1/56

All: -1.022 ± 0.021 χ^2/NDF : 27072.7/116

- sign -0.963 ± 0.029 χ^2/NDF : 12531.0/59

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.078+/-0.002 χ^2/NDF : 34914.0/31

Left Out: -0.062+/-0.002 χ^2/NDF : 5563.5/24

Right Out: 0.075+/-0.002 χ^2/NDF : 38748.8/36

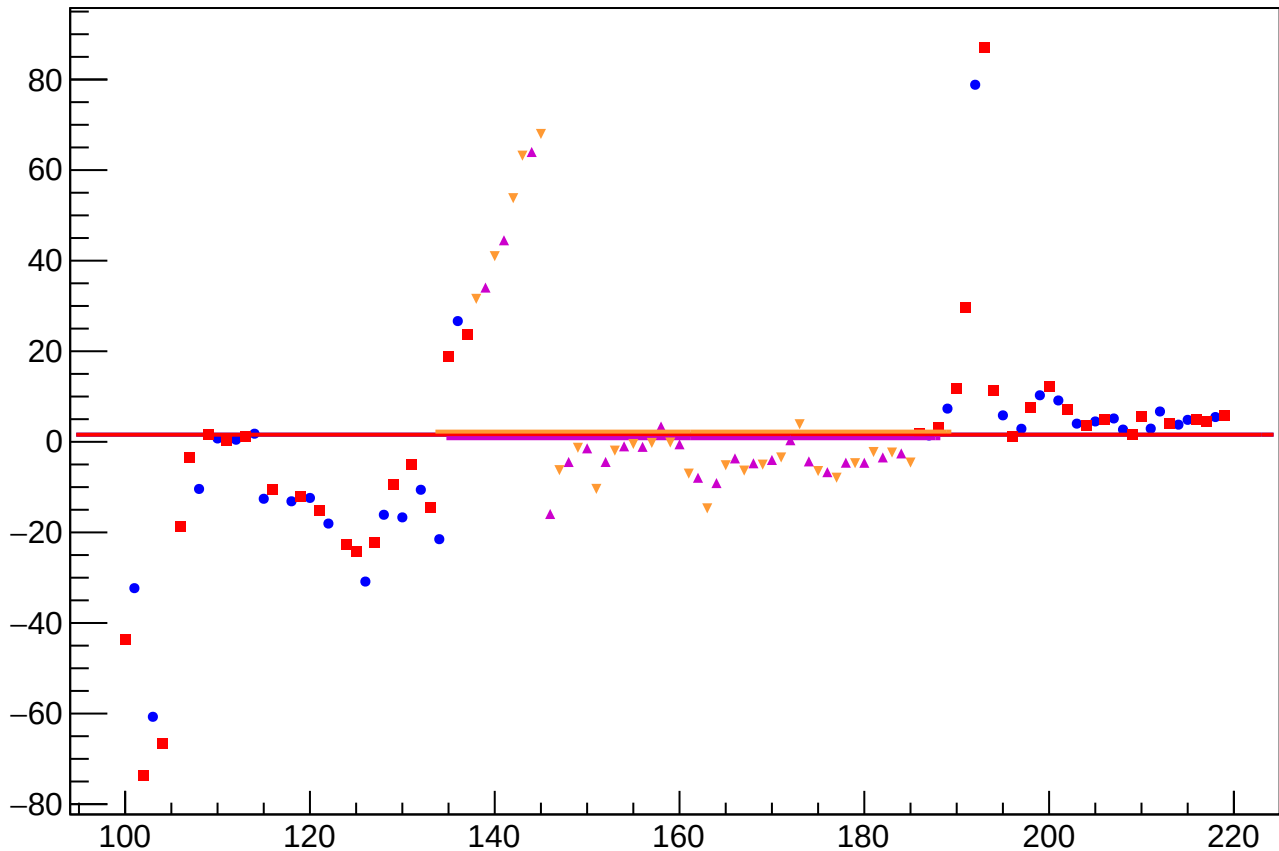
Left In: -0.053+/-0.002 χ^2/NDF : 5036.0/22

+ sign -0.015+/-0.001 χ^2/NDF : 42959.4/56

All: -0.013+/-0.001 χ^2/NDF : 88988.6/116

- sign -0.012+/-0.001 χ^2/NDF : 46026.4/59

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 1.578 $\pm$ 0.035 χ^2 /NDF: 118962.6/31

Left Out: 2.255 $\pm$ 0.041 χ^2 /NDF: 171671.4/24

Right Out: 1.581 $\pm$ 0.032 χ^2 /NDF: 119775.9/36

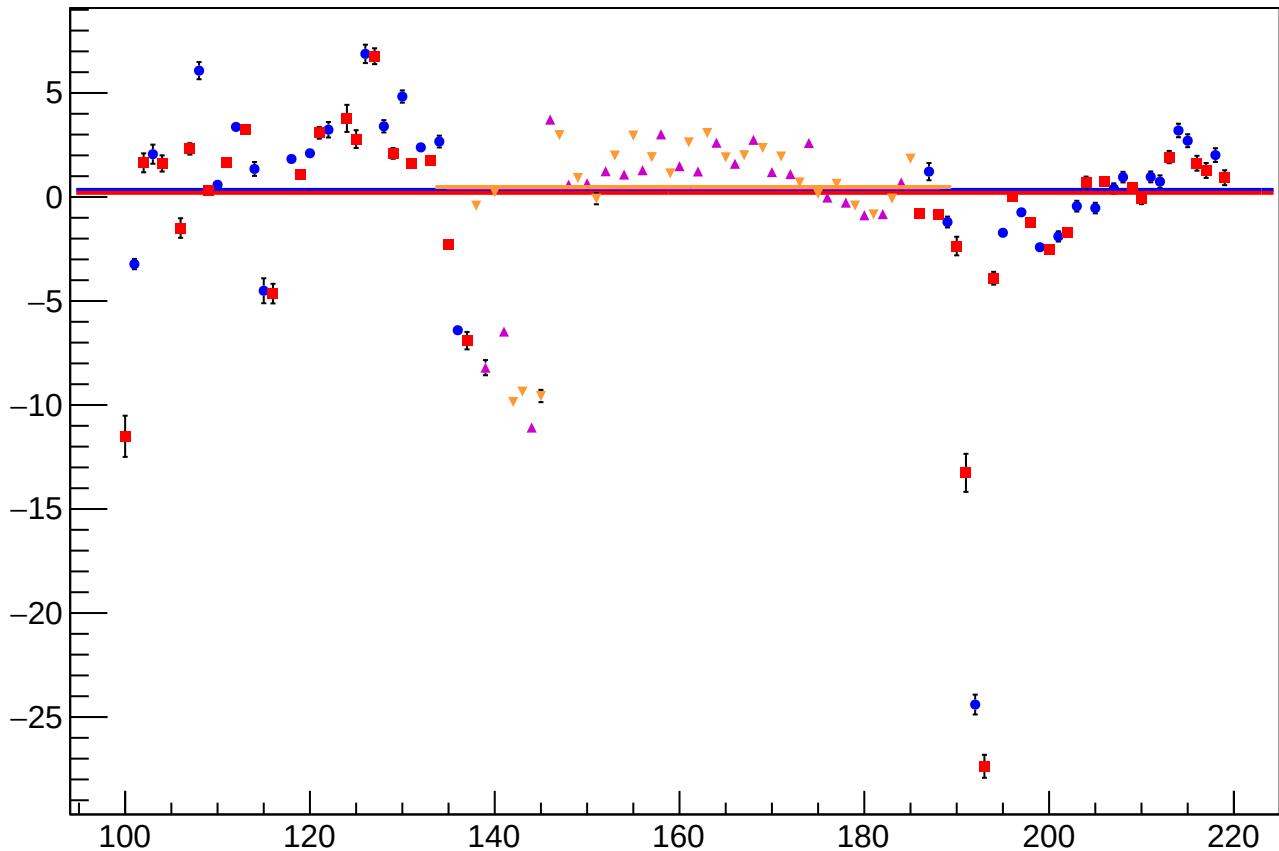
Left In: 0.794 $\pm$ 0.041 χ^2 /NDF: 128828.3/22

+ sign 1.863 $\pm$ 0.027 χ^2 /NDF: 290788.0/56

All: 1.555 $\pm$ 0.018 χ^2 /NDF: 539865.9/116

- sign 1.281 $\pm$ 0.025 χ^2 /NDF: 248830.9/59

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.341 ± 0.045 $\chi^2/\text{NDF}: 5971.3/31$

Left Out: 0.479 ± 0.034 $\chi^2/\text{NDF}: 6808.1/24$

Right Out: 0.200 ± 0.043 $\chi^2/\text{NDF}: 5042.5/36$

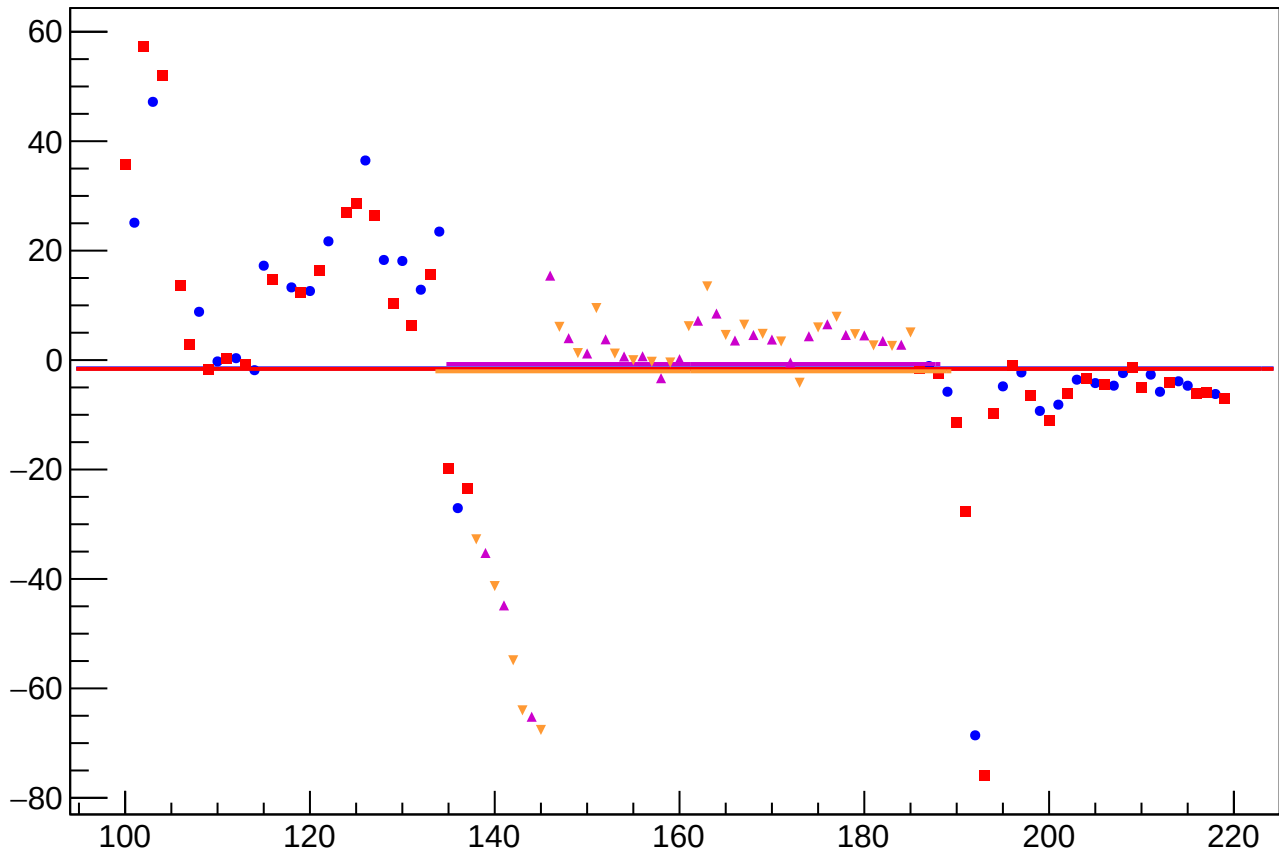
Left In: 0.440 ± 0.032 $\chi^2/\text{NDF}: 6893.7/22$

+ sign 0.429 ± 0.027 $\chi^2/\text{NDF}: 12785.3/56$

All: 0.389 ± 0.019 $\chi^2/\text{NDF}: 24745.7/116$

- sign 0.353 ± 0.026 $\chi^2/\text{NDF}: 11956.1/59$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -1.522 ± 0.037 χ^2/NDF : 117312.0/31

Left Out: -2.051 ± 0.041 χ^2/NDF : 166009.6/24

Right Out: -1.612 ± 0.034 χ^2/NDF : 118315.2/36

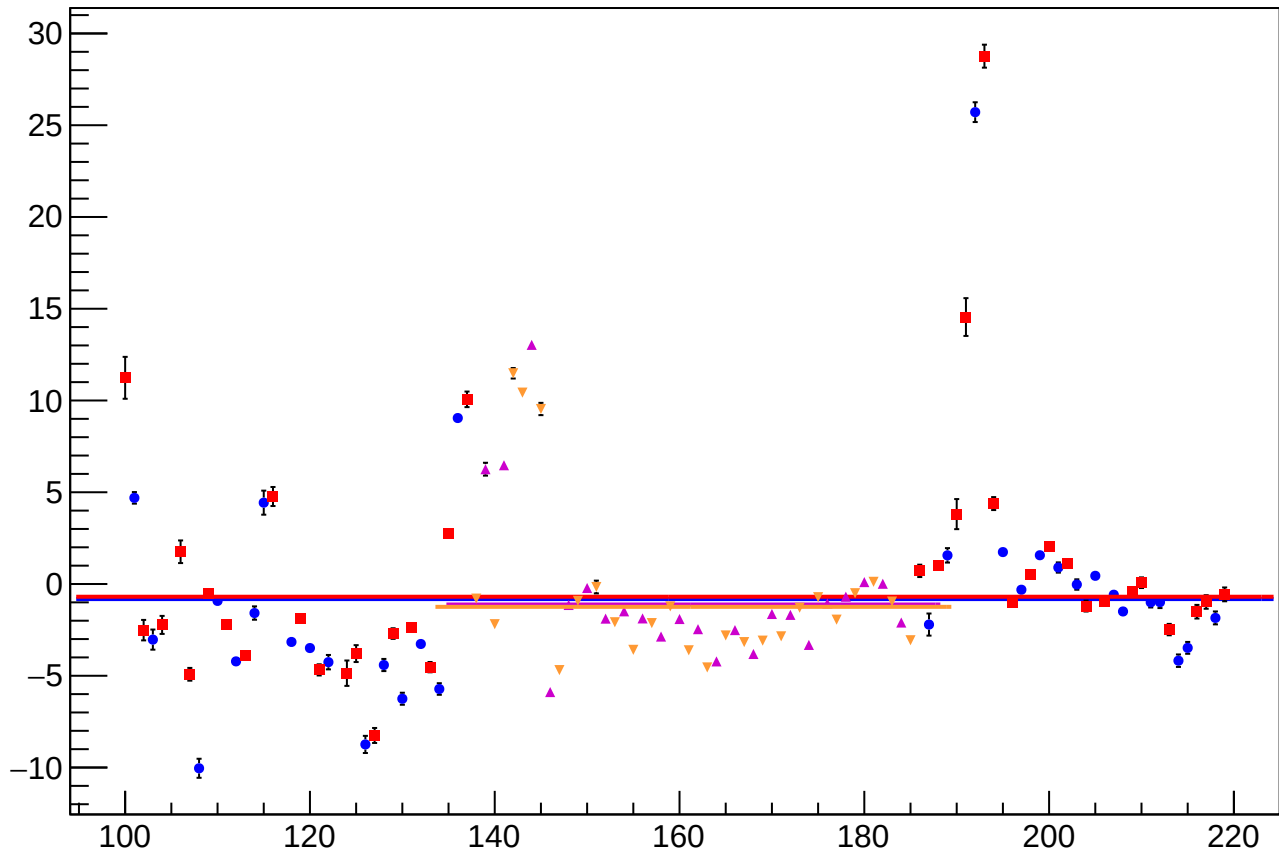
Left In: -0.720 ± 0.041 χ^2/NDF : 125531.3/22

+ sign -1.754 ± 0.027 χ^2/NDF : 283413.1/56

All: -1.486 ± 0.019 χ^2/NDF : 527725.0/116

- sign -1.245 ± 0.026 χ^2/NDF : 244130.8/59

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.821 ± 0.052 χ^2/NDF : 7367.7/31

Left Out: -1.244 ± 0.037 χ^2/NDF : 6768.7/24

Right Out: -0.693 ± 0.049 χ^2/NDF : 5503.2/36

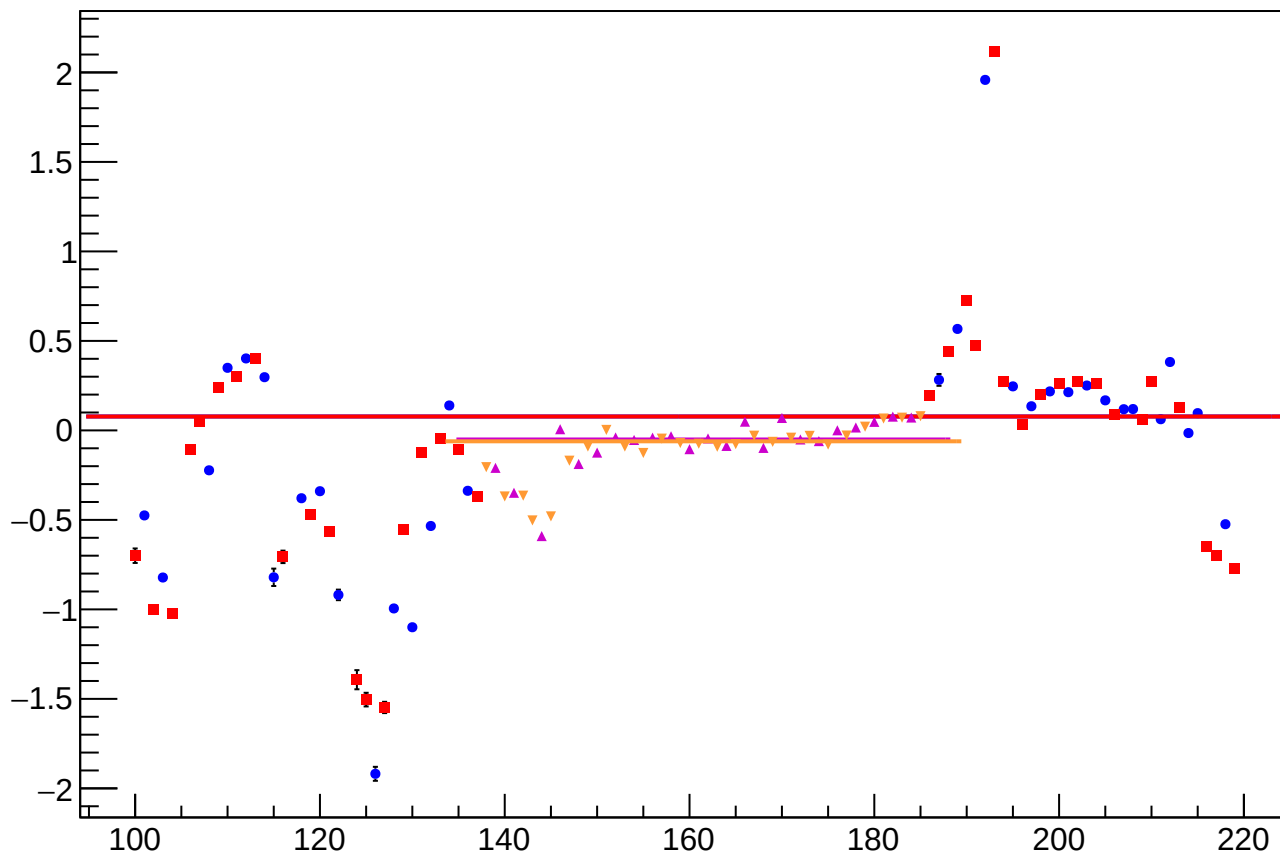
Left In: -1.117 ± 0.036 χ^2/NDF : 6840.3/22

+ sign -1.099 ± 0.030 χ^2/NDF : 14180.6/56

All: -1.032 ± 0.021 χ^2/NDF : 26581.5/116

- sign -0.970 ± 0.029 χ^2/NDF : 12391.5/59

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.078+/-0.002 χ^2/NDF : 34595.0/31

Left Out: -0.061+/-0.002 χ^2/NDF : 5479.8/24

Right Out: 0.078+/-0.002 χ^2/NDF : 37738.9/36

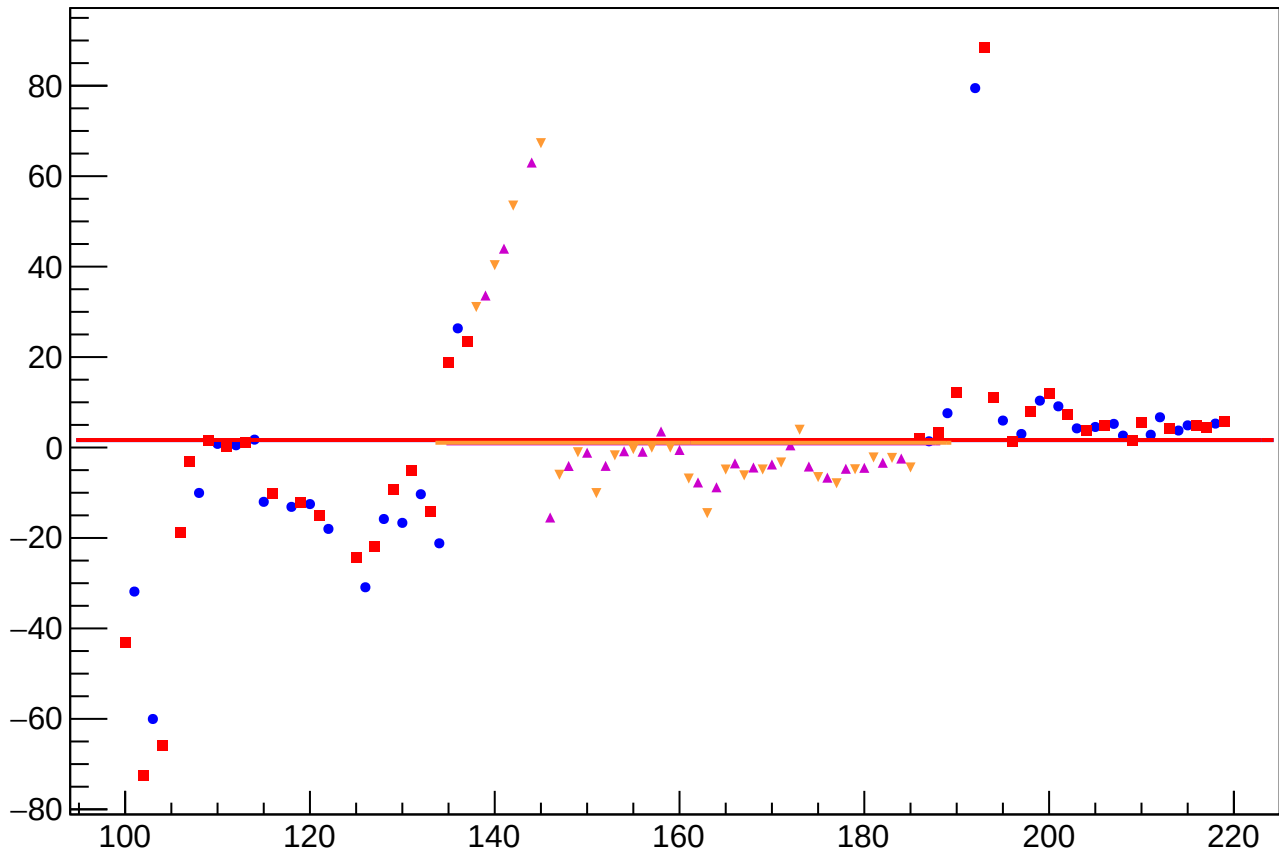
Left In: -0.051+/-0.002 χ^2/NDF : 4878.7/22

+ sign -0.015+/-0.001 χ^2/NDF : 42478.3/56

All: -0.012+/-0.001 χ^2/NDF : 87287.2/116

- sign -0.010+/-0.001 χ^2/NDF : 44802.6/59

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug



Right In: 1.636 $\pm$ 0.034 χ^2 /NDF: 122658.7/31

Left Out: 1.053 $\pm$ 0.041 χ^2 /NDF: 131031.0/23

Right Out: 1.660 $\pm$ 0.031 χ^2 /NDF: 120792.2/34

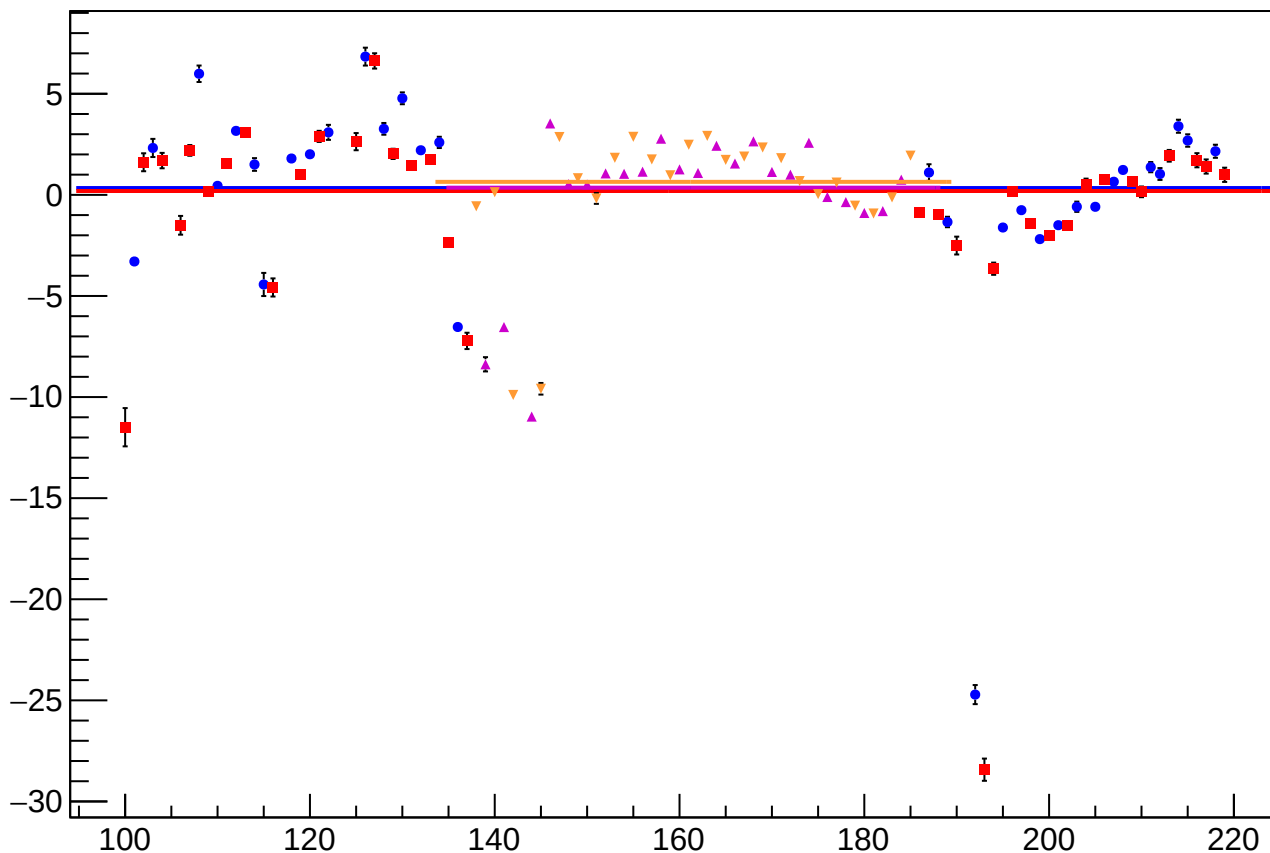
Left In: 0.913 $\pm$ 0.040 χ^2 /NDF: 132807.5/22

+ sign 1.393 $\pm$ 0.026 χ^2 /NDF: 253809.8/55

All: 1.384 $\pm$ 0.018 χ^2 /NDF: 507628.4/113

- sign 1.376 $\pm$ 0.025 χ^2 /NDF: 253818.3/57

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.338 ± 0.044 χ^2/NDF : 6211.0/31

Left Out: 0.644 ± 0.033 χ^2/NDF : 4711.1/23

Right Out: 0.192 ± 0.042 χ^2/NDF : 5074.9/34

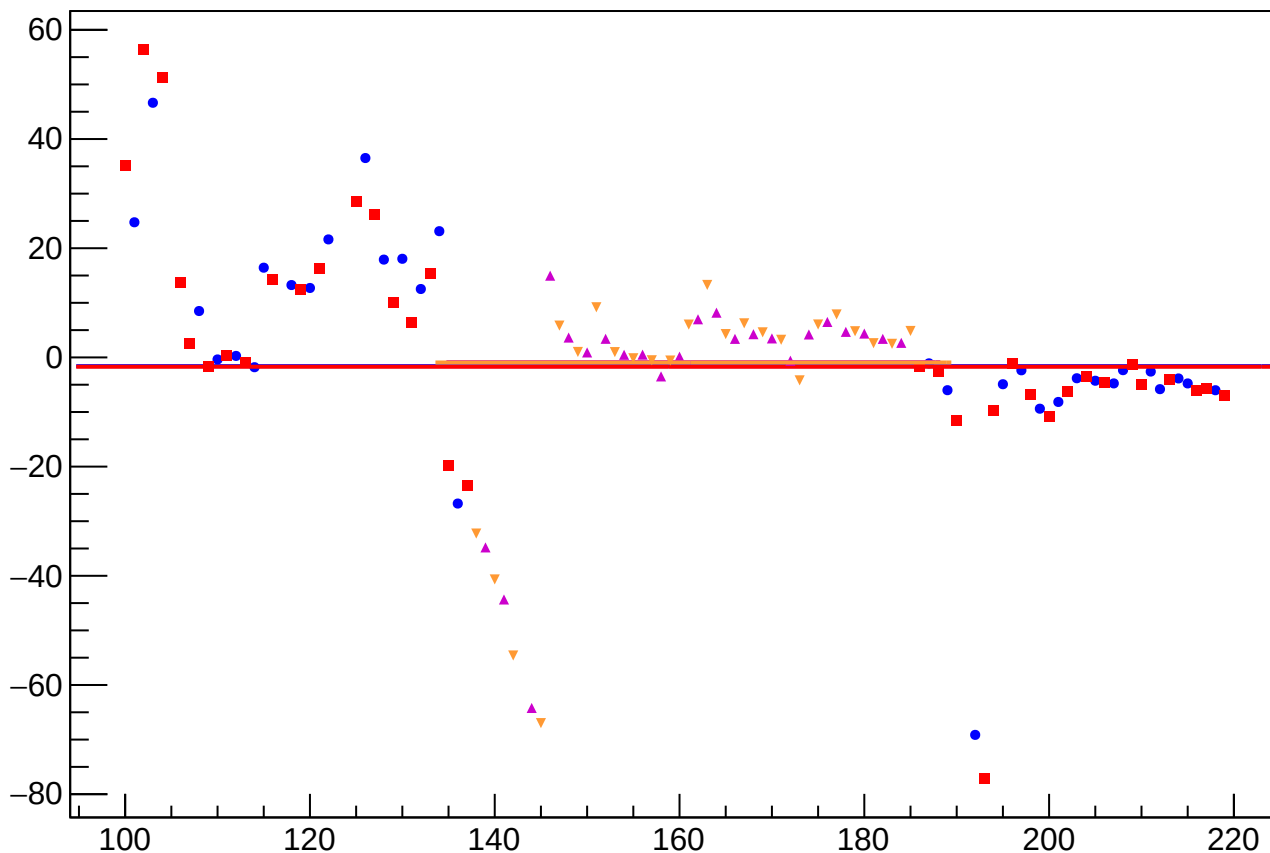
Left In: 0.355 ± 0.031 χ^2/NDF : 7117.0/22

+ sign 0.532 ± 0.026 χ^2/NDF : 10953.1/55

All: 0.408 ± 0.018 χ^2/NDF : 23196.7/113

- sign 0.296 ± 0.025 χ^2/NDF : 12201.8/57

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -1.601 ± 0.036 χ^2/NDF : 120989.4/31

Left Out: -0.929 ± 0.041 χ^2/NDF : 126378.7/23

Right Out: -1.706 ± 0.033 χ^2/NDF : 119416.3/34

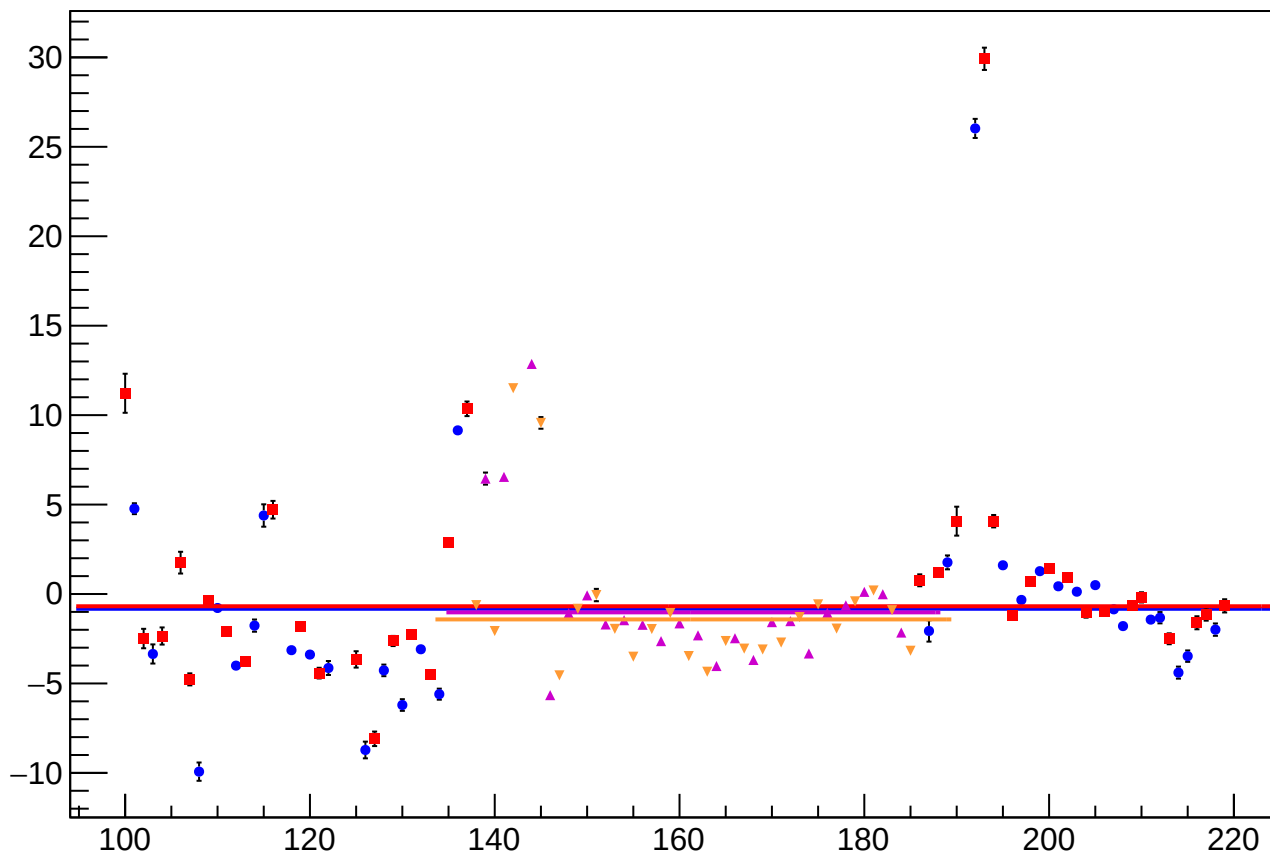
Left In: -0.860 ± 0.039 χ^2/NDF : 129485.0/22

+ sign -1.308 ± 0.027 χ^2/NDF : 247523.0/55

All: -1.333 ± 0.018 χ^2/NDF : 496697.7/113

- sign -1.355 ± 0.025 χ^2/NDF : 249173.0/57

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.825 ± 0.050 χ^2/NDF : 7691.8/31

Left Out: -1.420 ± 0.037 χ^2/NDF : 4642.0/23

Right Out: -0.685 ± 0.048 χ^2/NDF : 5553.3/34

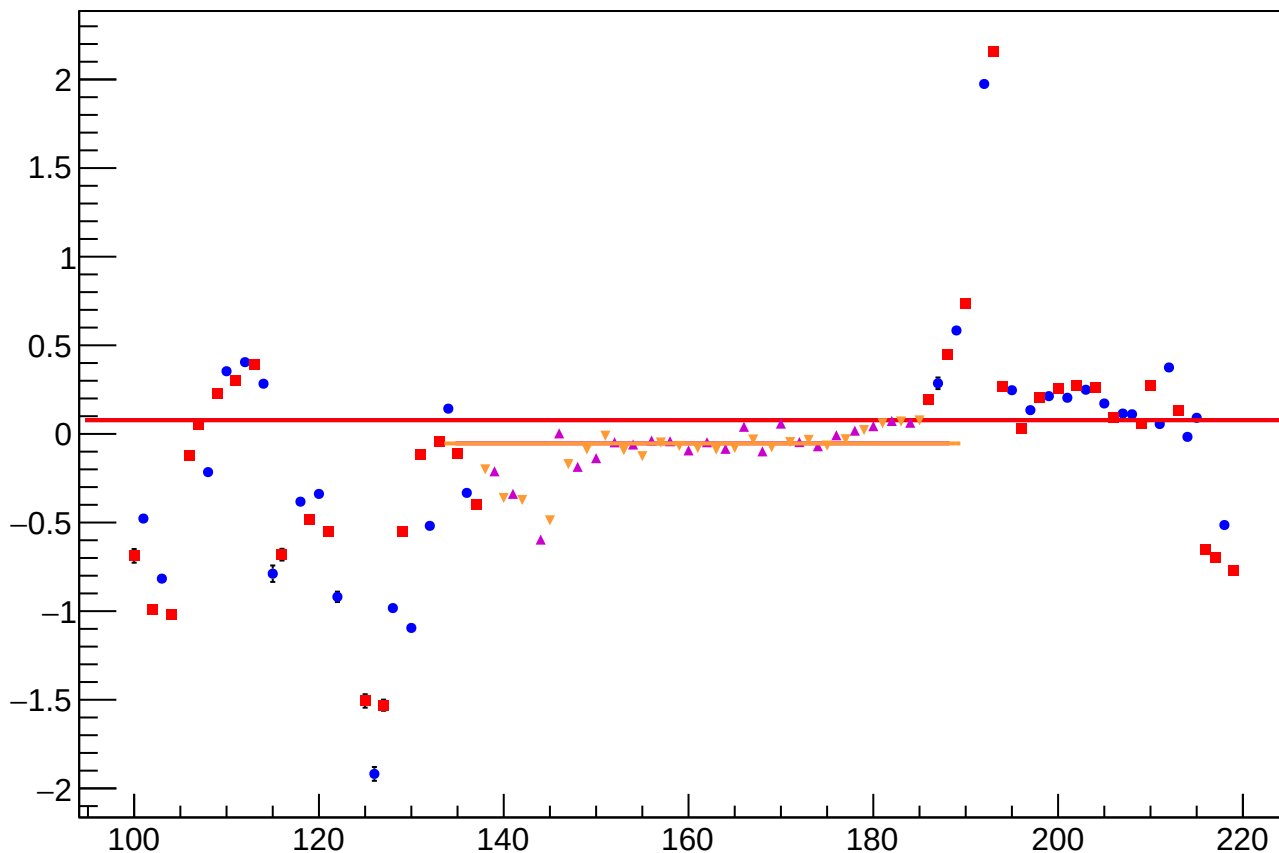
Left In: -1.026 ± 0.035 χ^2/NDF : 7047.1/22

+ sign -1.213 ± 0.030 χ^2/NDF : 12425.7/55

All: -1.053 ± 0.020 χ^2/NDF : 25114.6/113

- sign -0.909 ± 0.028 χ^2/NDF : 12633.4/57

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.078 ± 0.002 $\chi^2/\text{NDF}: 35724.3/31$

Left Out: -0.054 ± 0.002 $\chi^2/\text{NDF}: 4340.0/23$

Right Out: 0.078 ± 0.002 $\chi^2/\text{NDF}: 38362.7/34$

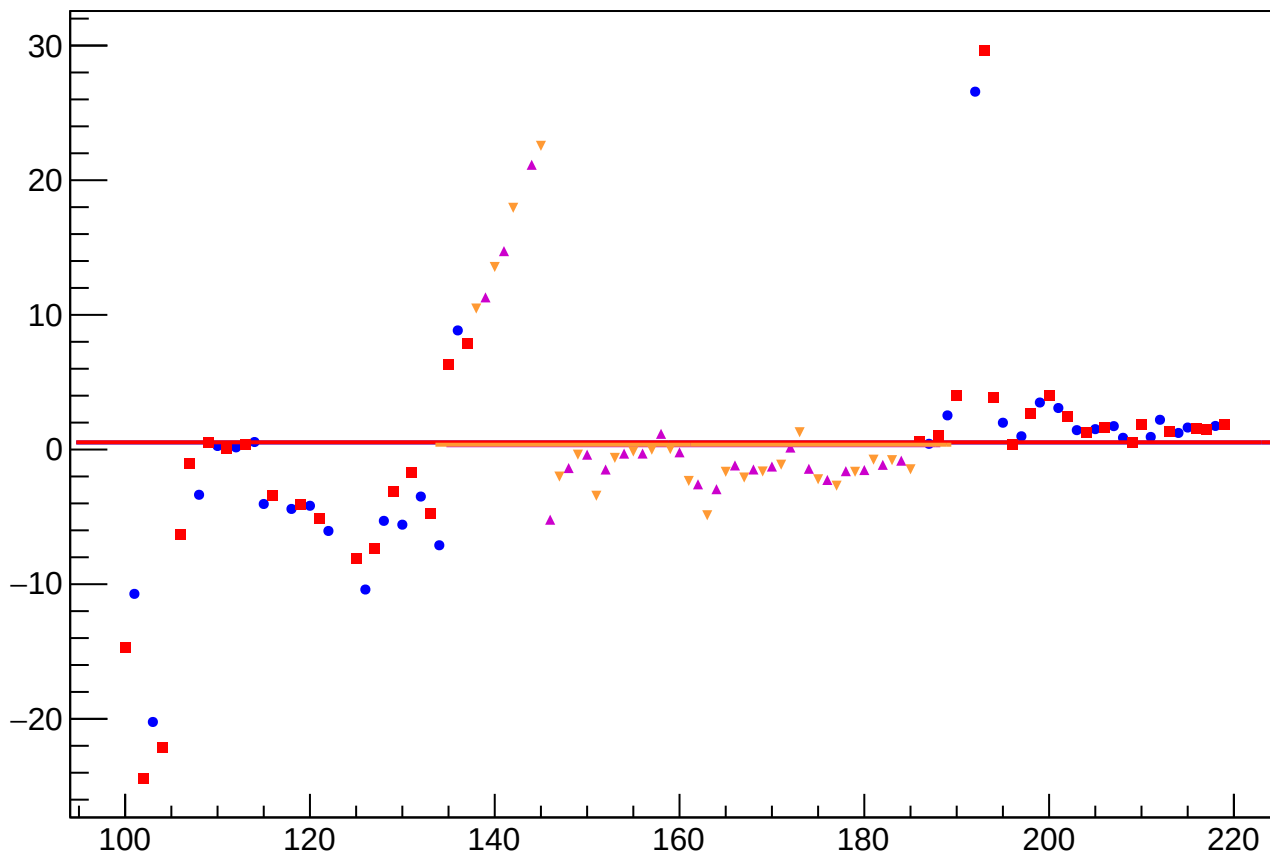
Left In: -0.053 ± 0.001 $\chi^2/\text{NDF}: 5009.7/22$

+ sign -0.010 ± 0.001 $\chi^2/\text{NDF}: 42330.1/55$

All: -0.011 ± 0.001 $\chi^2/\text{NDF}: 88109.5/113$

- sign -0.012 ± 0.001 $\chi^2/\text{NDF}: 45777.4/57$

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: 0.524 $\pm$ 0.012 χ^2 /NDF: 120529.8/31

Left Out: 0.359 $\pm$ 0.014 χ^2 /NDF:128829.7/23

Right Out: 0.537 $\pm$ 0.011 χ^2 /NDF: 118850.6/34

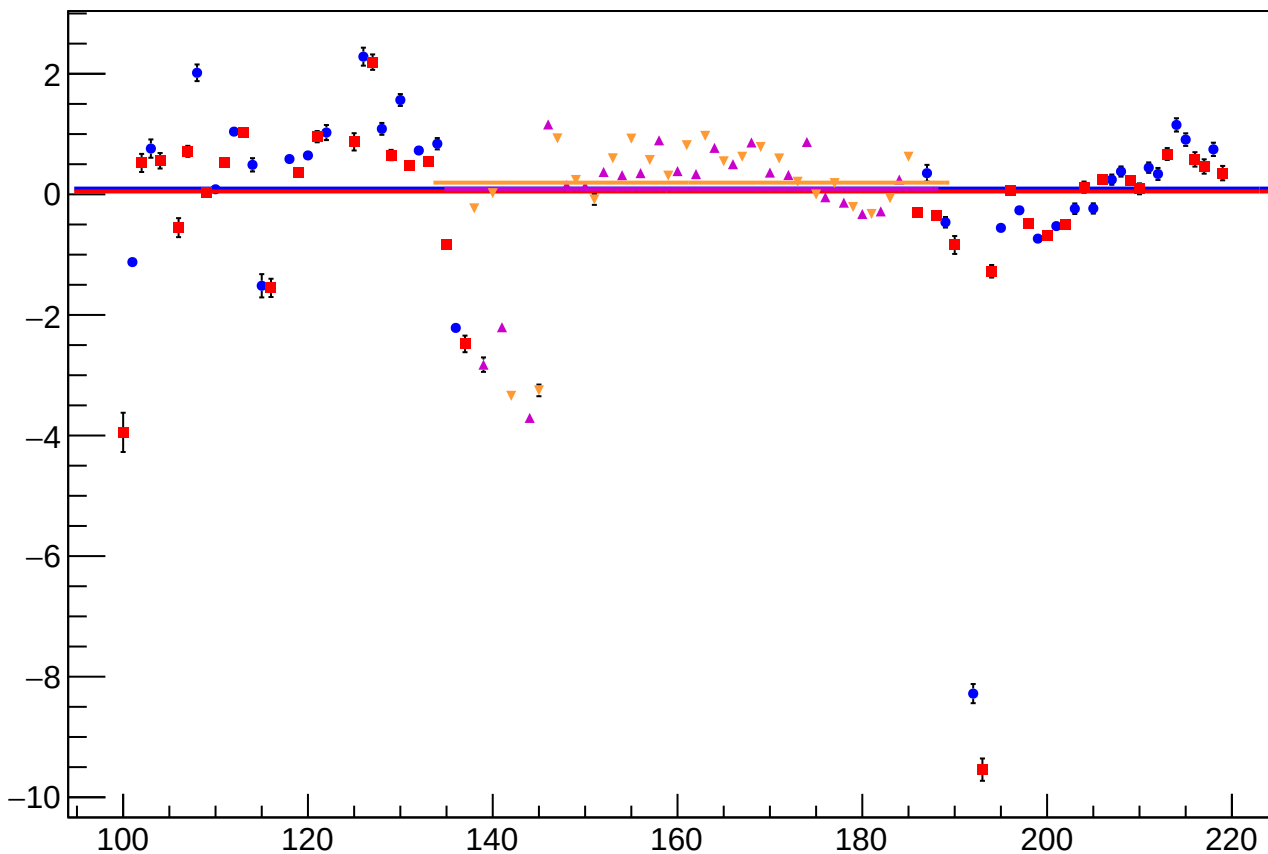
Left In: 0.317 $\pm$ 0.014 χ^2 /NDF:130224.2/22

+ sign 0.455 $\pm$ 0.009 χ^2 /NDF: 249442.2/55

All: 0.454 $\pm$ 0.006 χ^2 /NDF: 498677.1/113

- sign 0.453 $\pm$ 0.008 χ^2 /NDF: 249234.8/57

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.096 $\pm$ 0.015 χ^2 /NDF: 6091.7/31

Left Out: 0.194 $\pm$ 0.011 χ^2 /NDF: 4645.0/23

Right Out: 0.048 $\pm$ 0.014 χ^2 /NDF: 4989.1/34

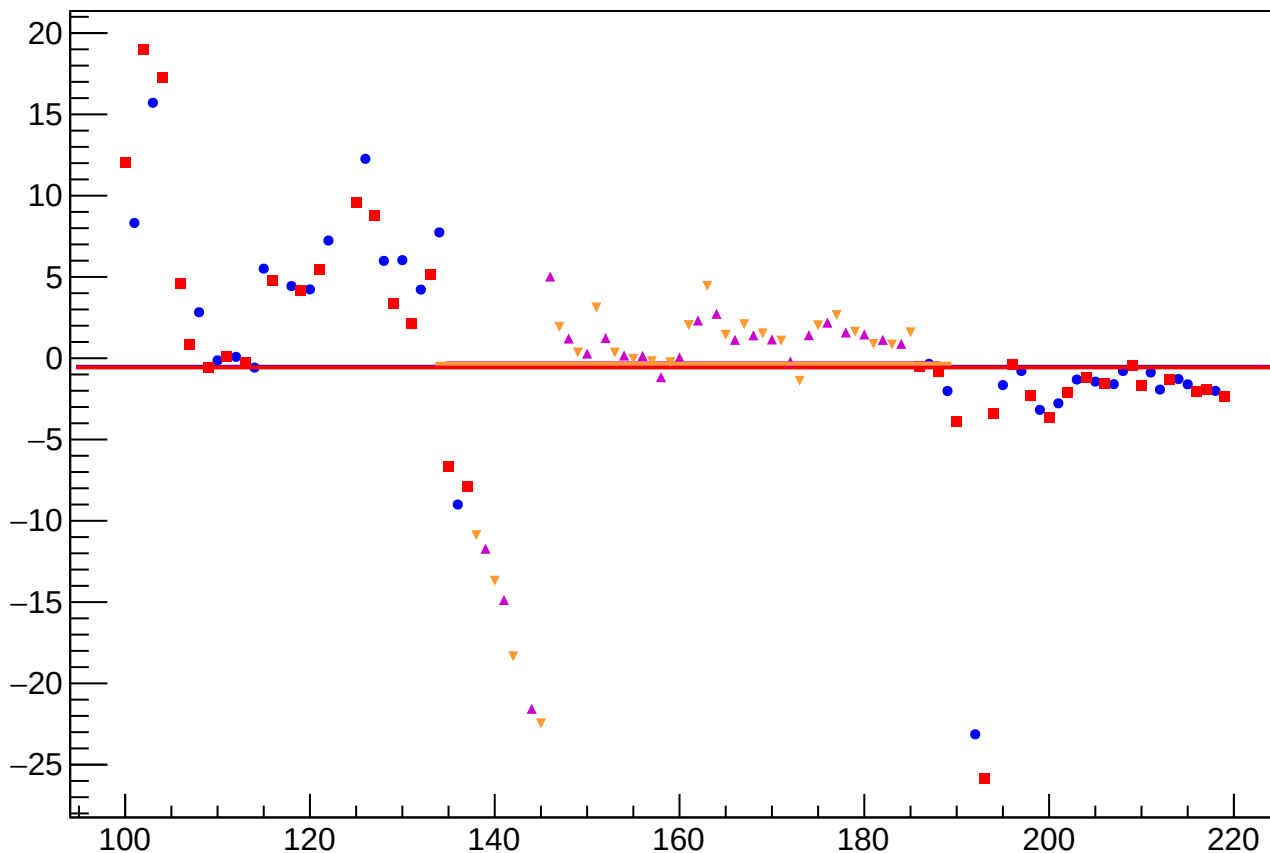
Left In: 0.091 $\pm$ 0.011 χ^2 /NDF: 6936.4/22

+ sign 0.159 $\pm$ 0.009 χ^2 /NDF: 10764.3/55

All: 0.115 $\pm$ 0.006 χ^2 /NDF: 22740.1/113

- sign 0.075 $\pm$ 0.009 χ^2 /NDF: 11931.5/57

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: -0.525 ± 0.012 χ^2/NDF : 118917.3/31

Left Out: -0.332 ± 0.014 χ^2/NDF : 124233.4/23

Right Out: -0.563 ± 0.011 χ^2/NDF : 117537.4/34

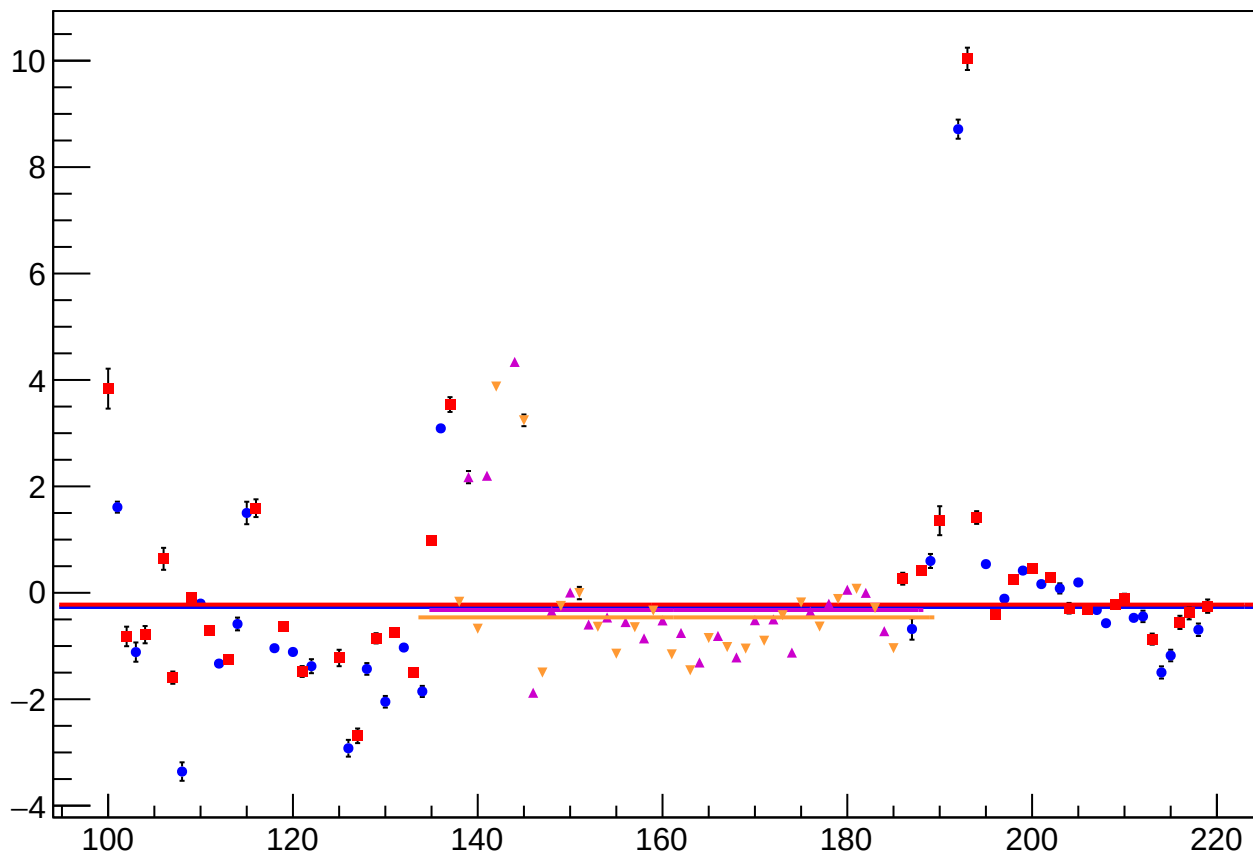
Left In: -0.314 ± 0.013 χ^2/NDF : 126999.2/22

+ sign -0.441 ± 0.009 χ^2/NDF : 243260.0/55

All: -0.451 ± 0.006 χ^2/NDF : 487999.9/113

- sign -0.460 ± 0.009 χ^2/NDF : 244737.7/57

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.266 ± 0.017 χ^2/NDF : 7542.5/31

Left Out: -0.462 ± 0.013 χ^2/NDF : 4580.0/23

Right Out: -0.222 ± 0.016 χ^2/NDF : 5460.5/34

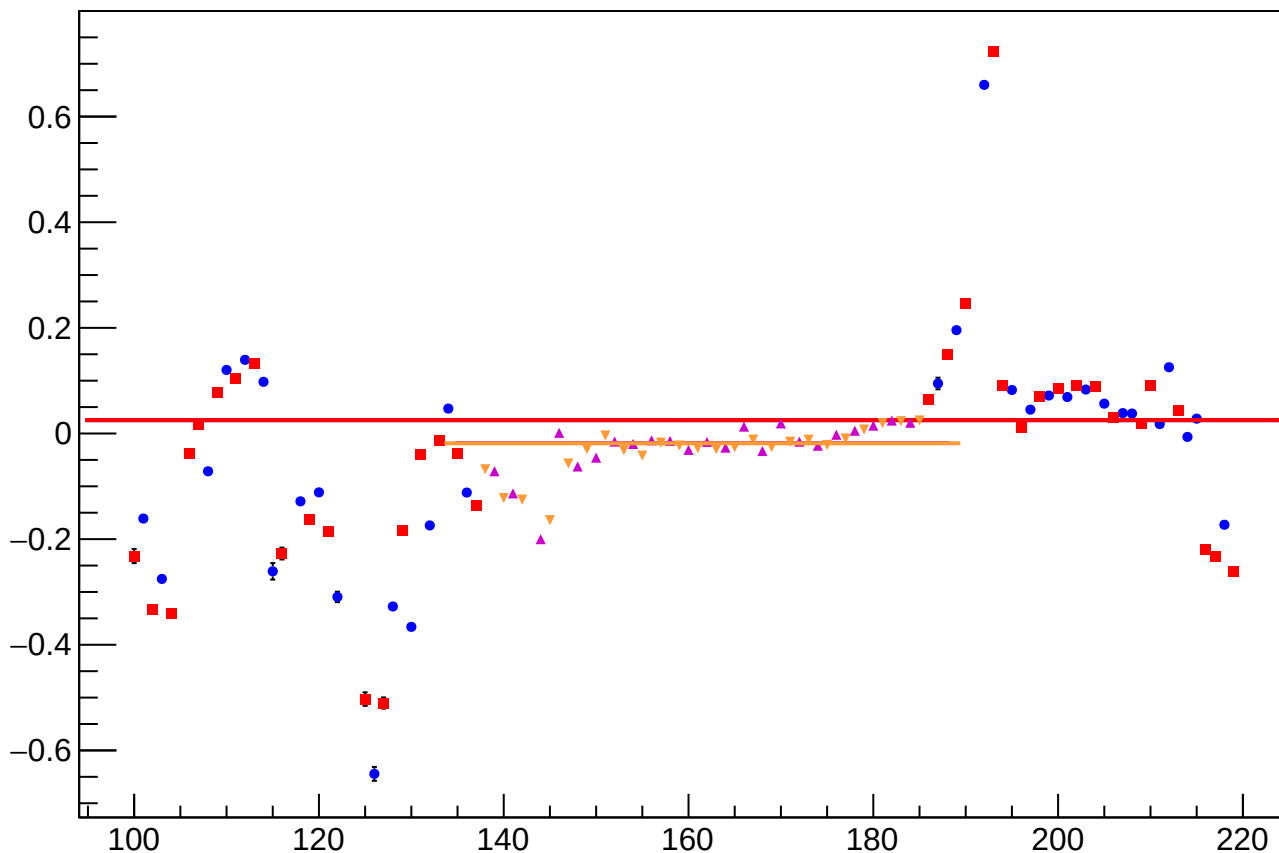
Left In: -0.323 ± 0.012 χ^2/NDF : 6881.8/22

+ sign -0.394 ± 0.010 χ^2/NDF : 12207.0/55

All: -0.339 ± 0.007 χ^2/NDF : 24630.9/113

- sign -0.288 ± 0.010 χ^2/NDF : 12367.0/57

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.025+/-0.001 χ^2/NDF : 35100.4/31

Left Out: -0.019+/-0.001 χ^2/NDF : 4227.5/23

Right Out: 0.025+/-0.001 χ^2/NDF : 37606.4/34

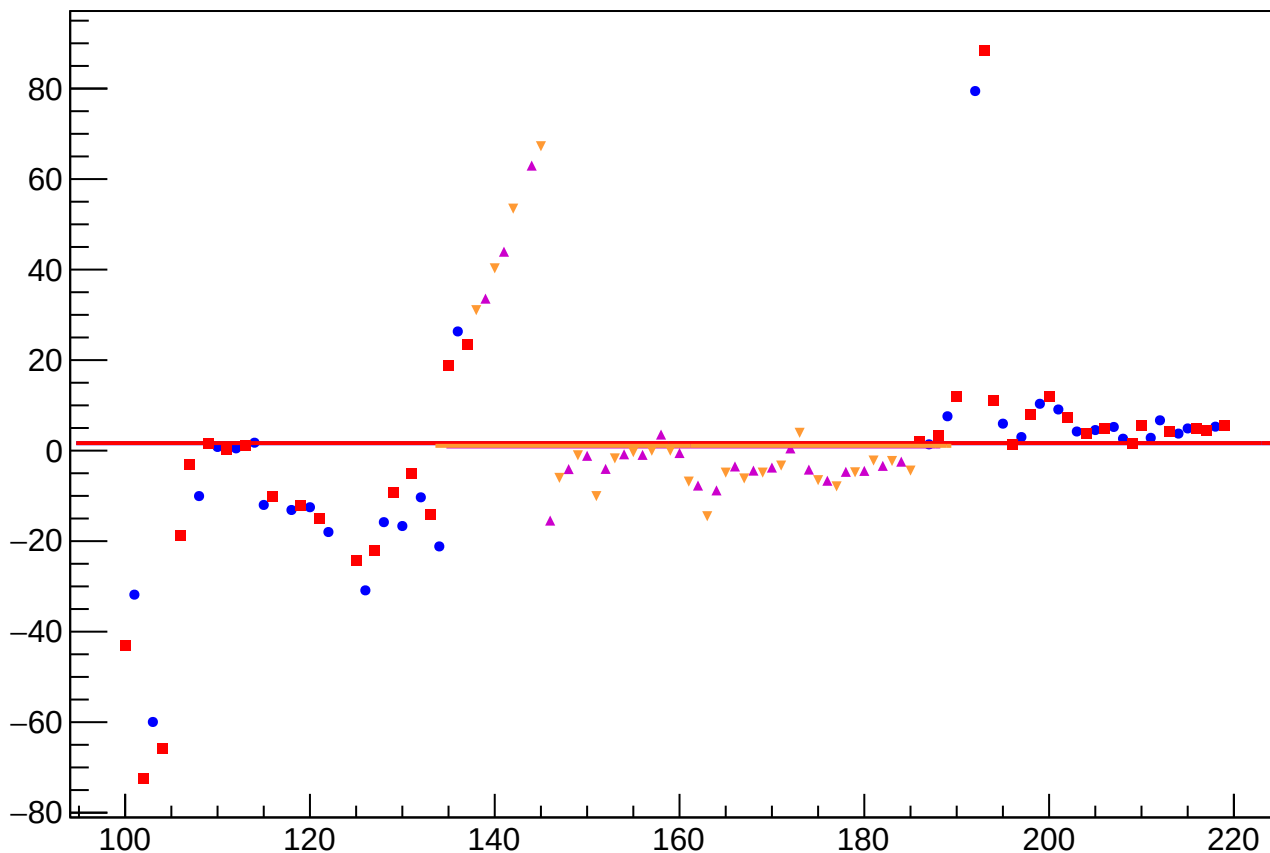
Left In: -0.018+/-0.001 χ^2/NDF : 4879.3/22

+ sign -0.004+/-0.000 χ^2/NDF : 41466.8/55

All: -0.004+/-0.000 χ^2/NDF : 86189.6/113

- sign -0.005+/-0.000 χ^2/NDF : 44722.1/57

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug



Right In: 1.641 $\pm$ 0.034 χ^2 /NDF: 122684.6/31

Left Out: 1.058 $\pm$ 0.041 χ^2 /NDF: 131010.5/23

Right Out: 1.665 $\pm$ 0.031 χ^2 /NDF: 120820.7/34

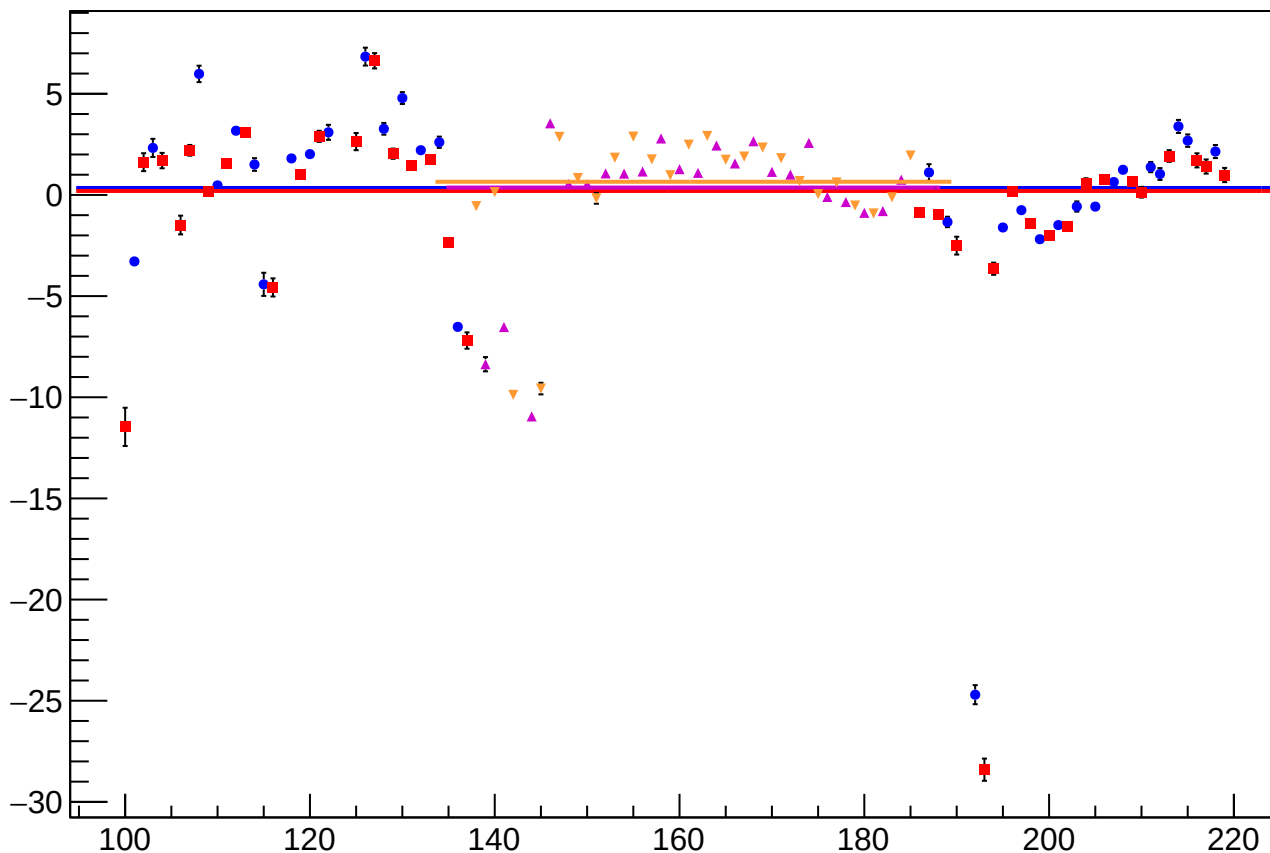
Left In: 0.915 $\pm$ 0.040 χ^2 /NDF: 132816.1/22

+ sign 1.398 $\pm$ 0.026 χ^2 /NDF: 253816.0/55

All: 1.389 $\pm$ 0.018 χ^2 /NDF: 507673.3/113

- sign 1.380 $\pm$ 0.025 χ^2 /NDF: 253857.0/57

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.344 $\pm$ 0.044 χ^2 /NDF: 6213.0/31

Left Out: 0.651 $\pm$ 0.033 χ^2 /NDF: 4708.8/23

Right Out: 0.197 $\pm$ 0.042 χ^2 /NDF: 5075.6/34

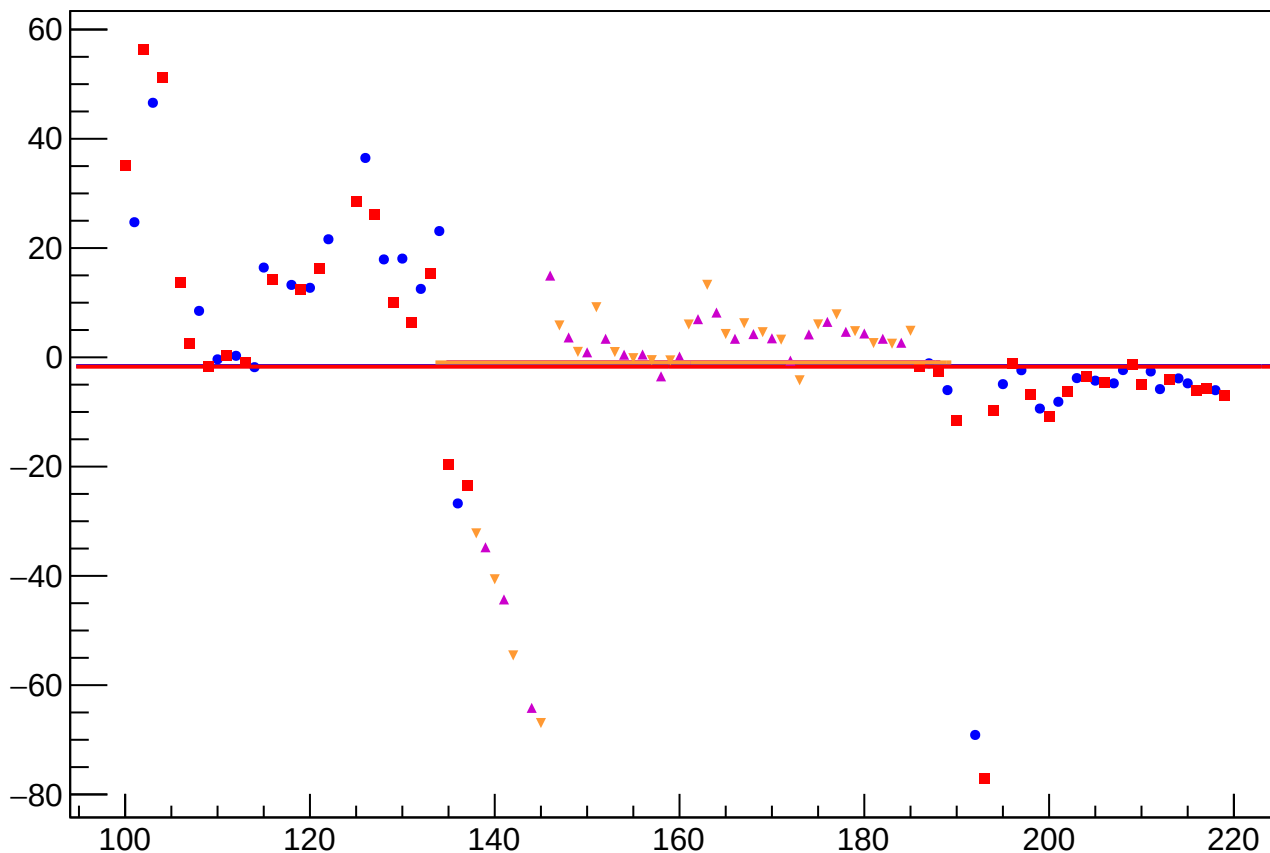
Left In: 0.364 $\pm$ 0.031 χ^2 /NDF: 7122.4/22

+ sign 0.539 $\pm$ 0.026 χ^2 /NDF: 10953.1/55

All: 0.415 $\pm$ 0.018 χ^2 /NDF: 23203.1/113

- sign 0.304 $\pm$ 0.025 χ^2 /NDF: 12208.3/57

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -1.601 ± 0.036 χ^2/NDF : 121011.6/31

Left Out: -0.927 ± 0.041 χ^2/NDF : 126360.1/23

Right Out: -1.706 ± 0.033 χ^2/NDF : 119439.3/34

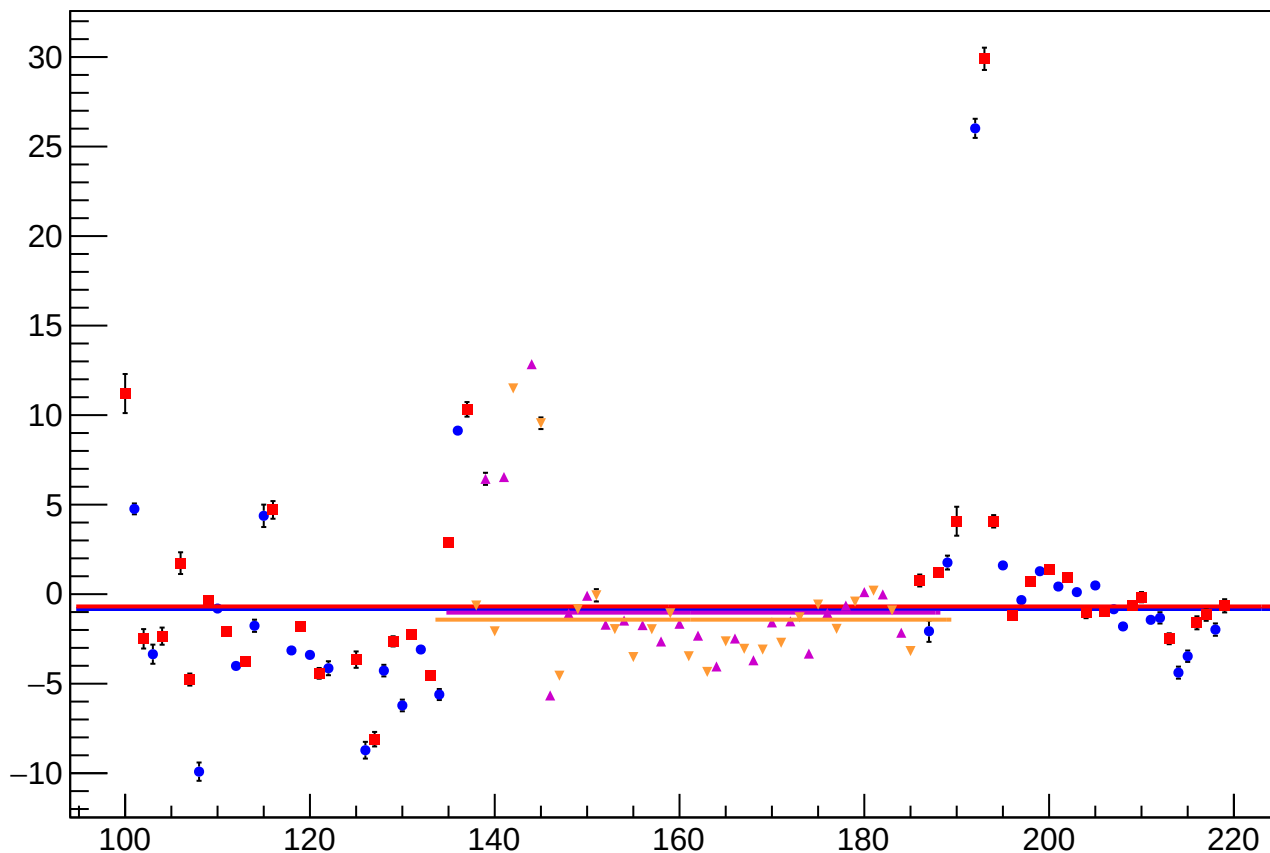
Left In: -0.858 ± 0.039 χ^2/NDF : 129490.8/22

+ sign -1.307 ± 0.027 χ^2/NDF : 247527.8/55

All: -1.332 ± 0.018 χ^2/NDF : 496733.8/113

- sign -1.354 ± 0.025 χ^2/NDF : 249204.4/57

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.829 ± 0.050 χ^2/NDF : 7693.2/31

Left Out: -1.425 ± 0.037 χ^2/NDF : 4639.6/23

Right Out: -0.687 ± 0.048 χ^2/NDF : 5553.0/34

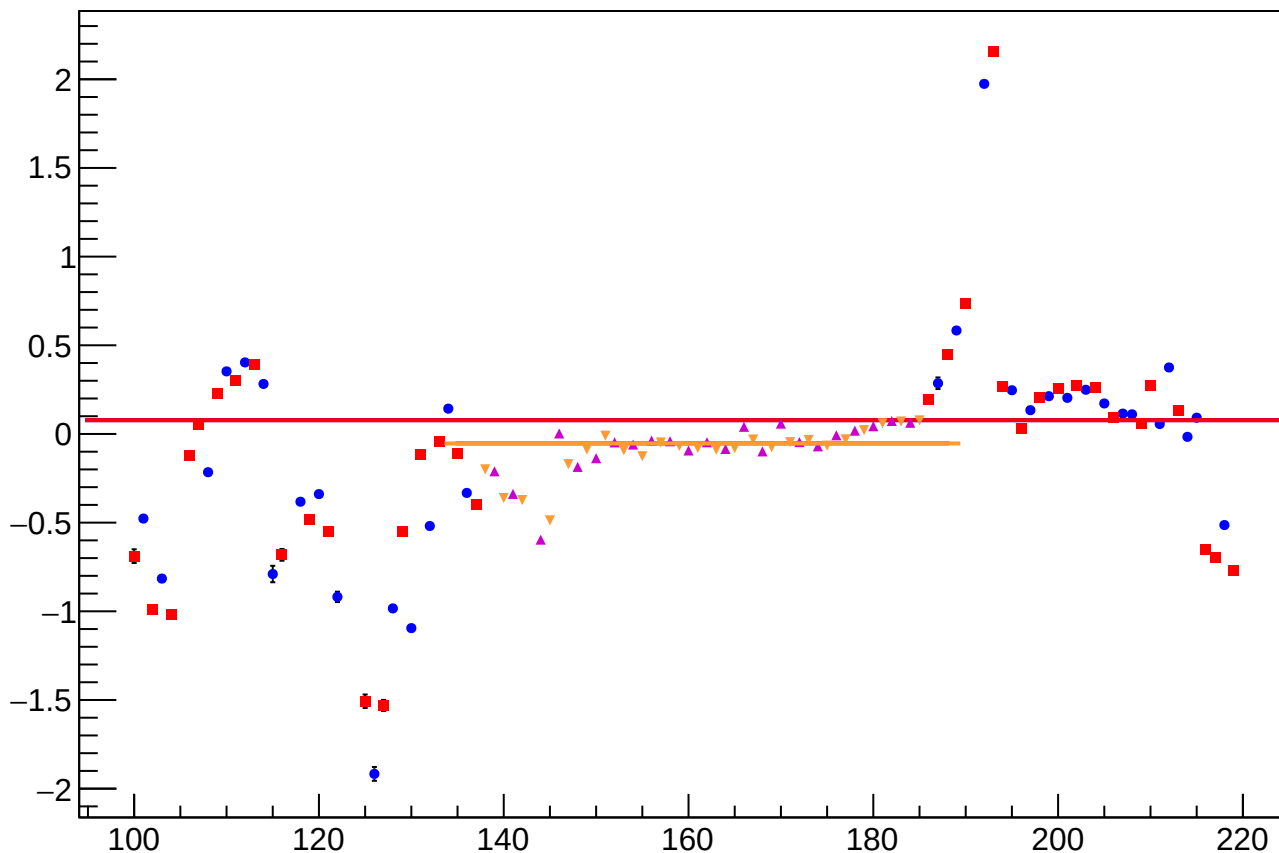
Left In: -1.032 ± 0.035 χ^2/NDF : 7051.3/22

+ sign -1.217 ± 0.030 χ^2/NDF : 12425.0/55

All: -1.058 ± 0.020 χ^2/NDF : 25118.7/113

- sign -0.914 ± 0.028 χ^2/NDF : 12638.2/57

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.078+/-0.002 χ^2/NDF : 35734.5/31

Left Out: -0.054+/-0.002 χ^2/NDF : 4341.2/23

Right Out: 0.078+/-0.002 χ^2/NDF : 38381.8/34

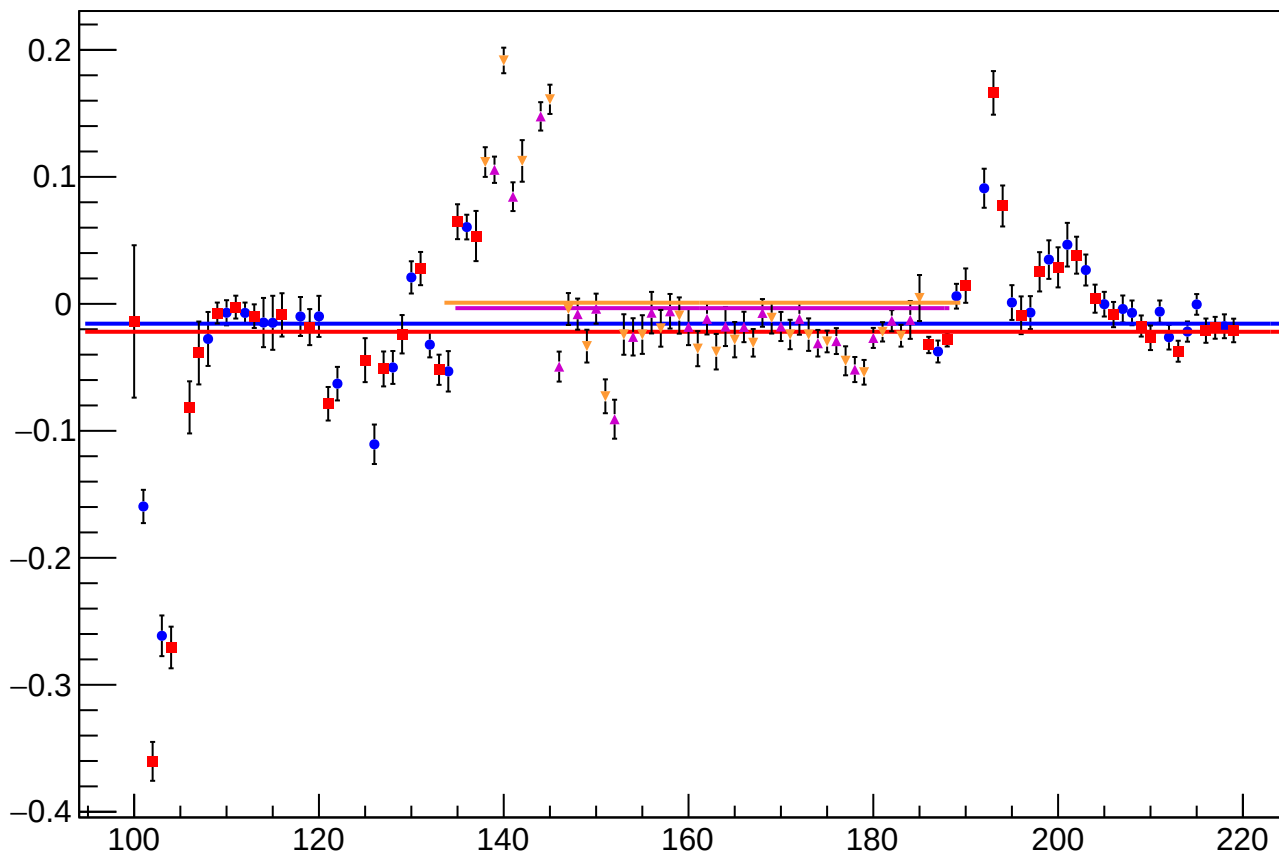
Left In: -0.053+/-0.001 χ^2/NDF : 5013.3/22

+ sign -0.010+/-0.001 χ^2/NDF : 42342.7/55

All: -0.011+/-0.001 χ^2/NDF : 88150.6/113

- sign -0.012+/-0.001 χ^2/NDF : 45805.8/57

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.016 ± 0.002 χ^2/NDF : 602.2/31

Left Out: 0.001 ± 0.002 χ^2/NDF : 849.7/23

Right Out: -0.022 ± 0.002 χ^2/NDF : 1054.8/34

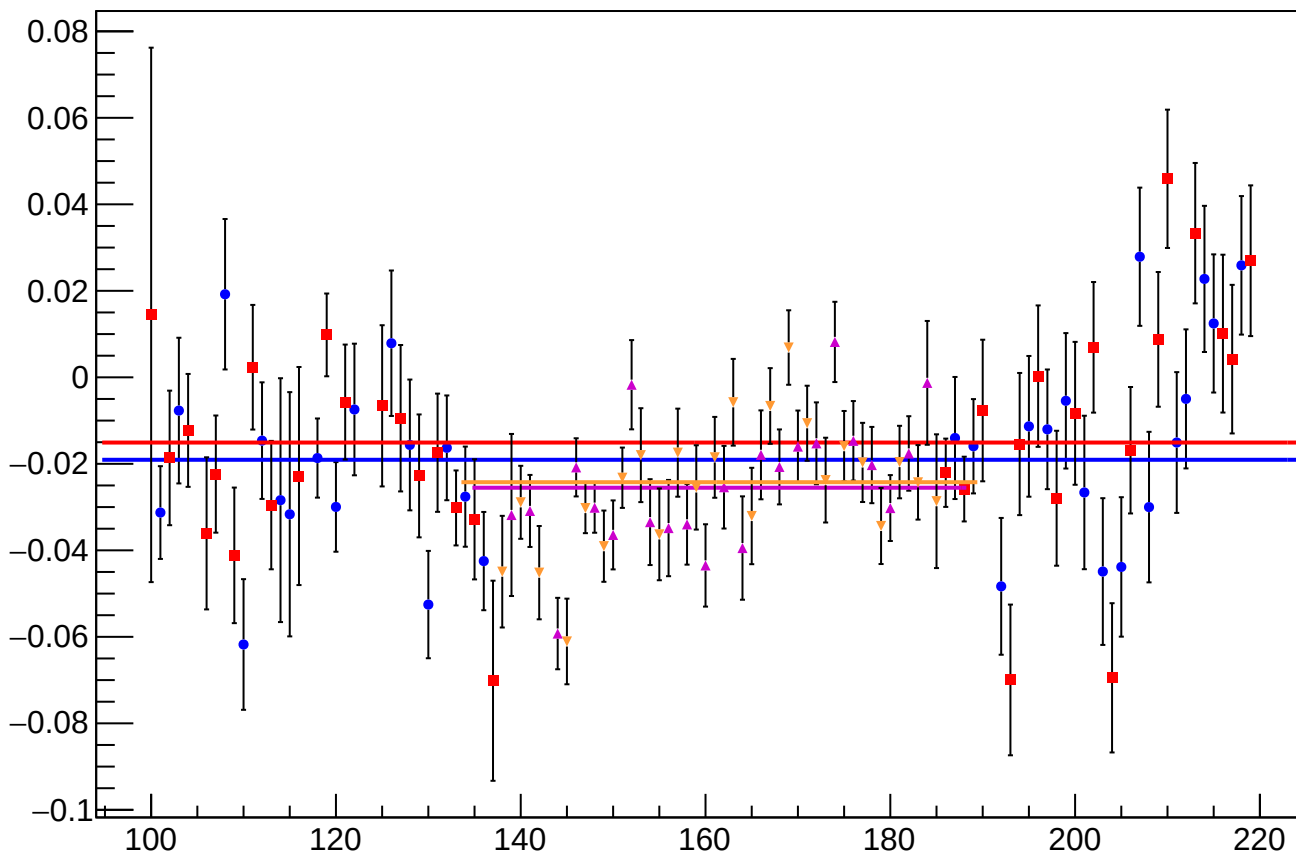
Left In: -0.003 ± 0.002 χ^2/NDF : 457.9/22

+ sign -0.009 ± 0.002 χ^2/NDF : 1479.8/55

All: -0.012 ± 0.001 χ^2/NDF : 3037.8/113

- sign -0.015 ± 0.001 χ^2/NDF : 1549.8/57

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.019 ± 0.003 χ^2/NDF : 68.9/31

Left Out: -0.024 ± 0.002 χ^2/NDF : 53.7/23

Right Out: -0.015 ± 0.002 χ^2/NDF : 87.1/34

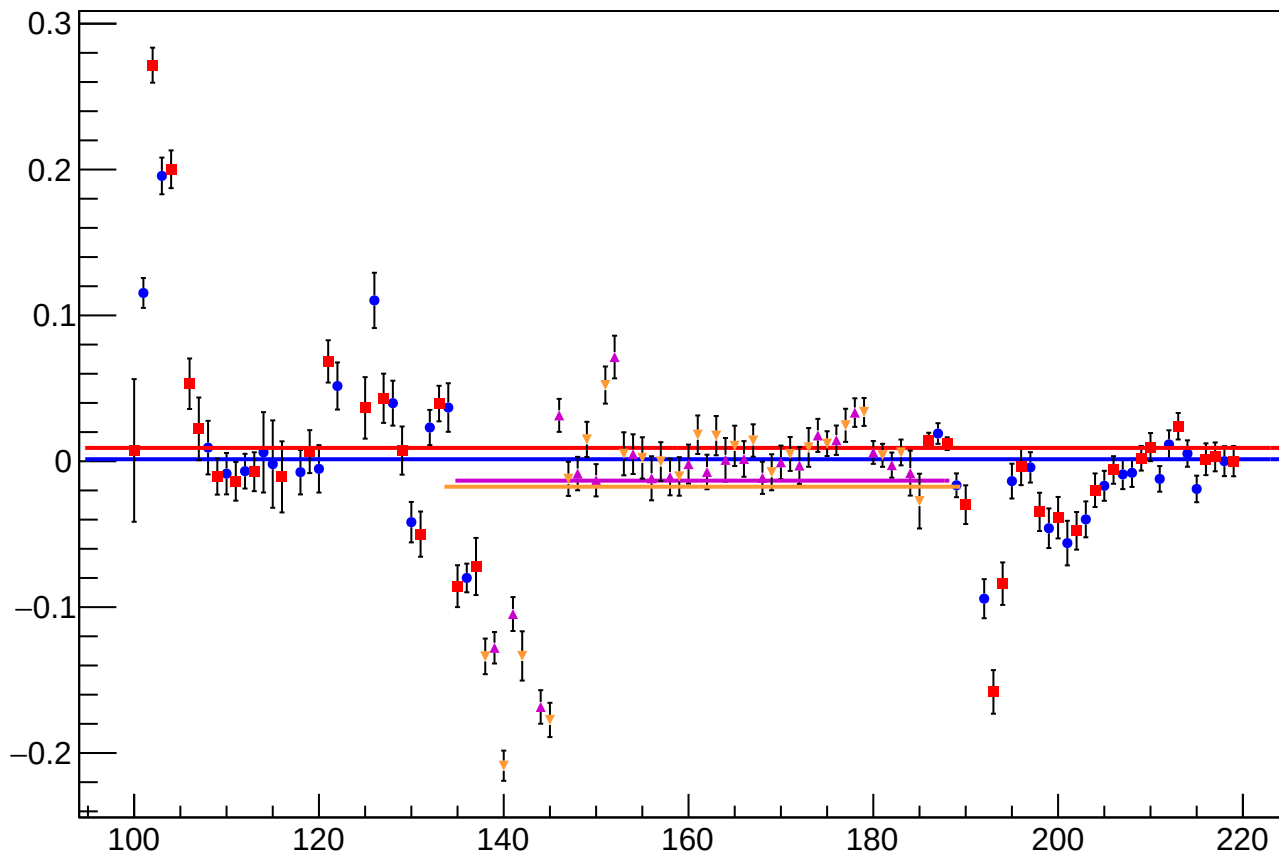
Left In: -0.026 ± 0.002 χ^2/NDF : 55.0/22

+ sign -0.022 ± 0.001 χ^2/NDF : 125.4/55

All: -0.022 ± 0.001 χ^2/NDF : 279.7/113

- sign -0.022 ± 0.001 χ^2/NDF : 154.1/57

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 614.2/31

Left Out: -0.017 ± 0.002 χ^2/NDF : 812.1/23

Right Out: 0.009 ± 0.002 χ^2/NDF : 1048.3/34

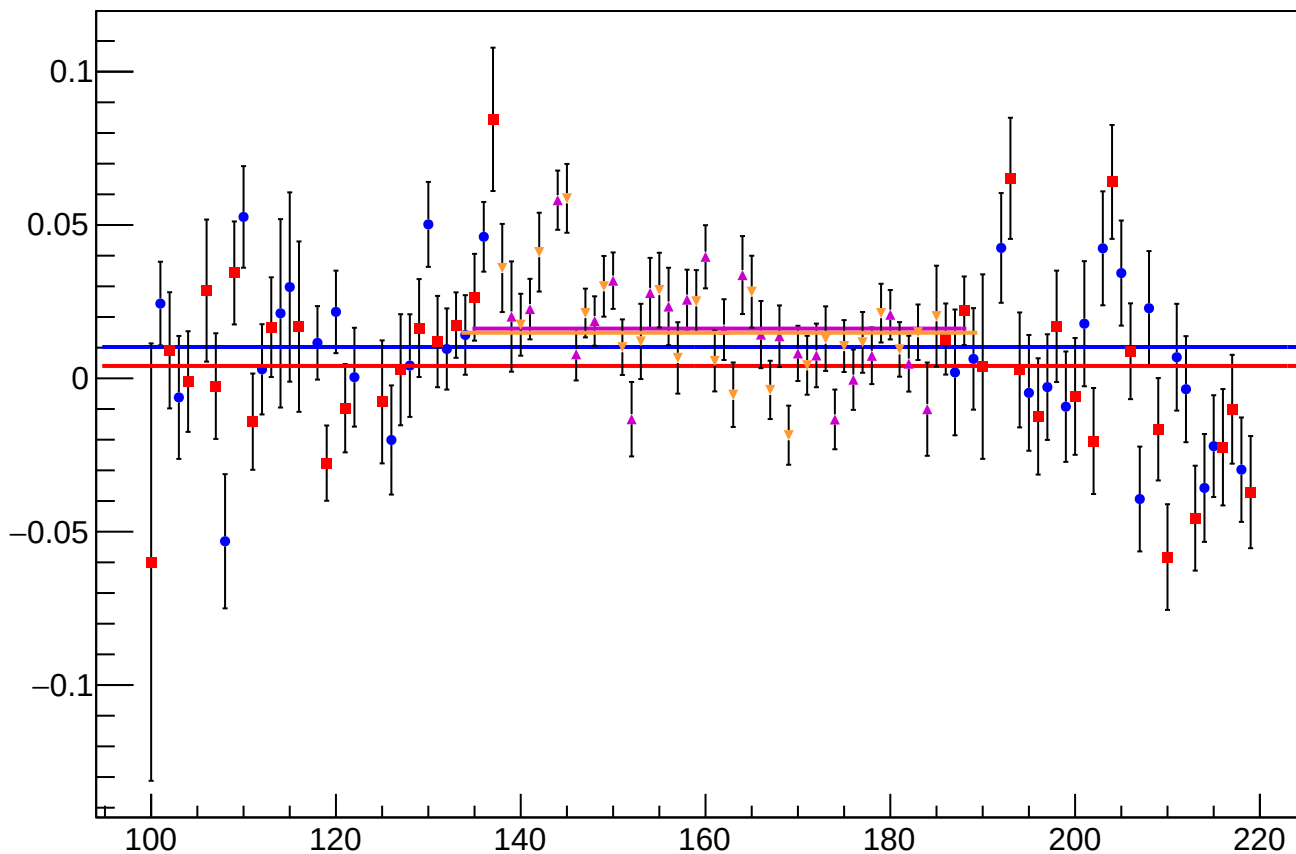
Left In: -0.013 ± 0.002 χ^2/NDF : 458.6/22

+ sign -0.007 ± 0.002 χ^2/NDF : 1462.3/55

All: -0.003 ± 0.001 χ^2/NDF : 3035.8/113

- sign 0.001 ± 0.001 χ^2/NDF : 1562.0/57

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.010 ± 0.003 χ^2/NDF : 76.7/31

Left Out: 0.015 ± 0.002 χ^2/NDF : 52.1/23

Right Out: 0.004 ± 0.003 χ^2/NDF : 89.9/34

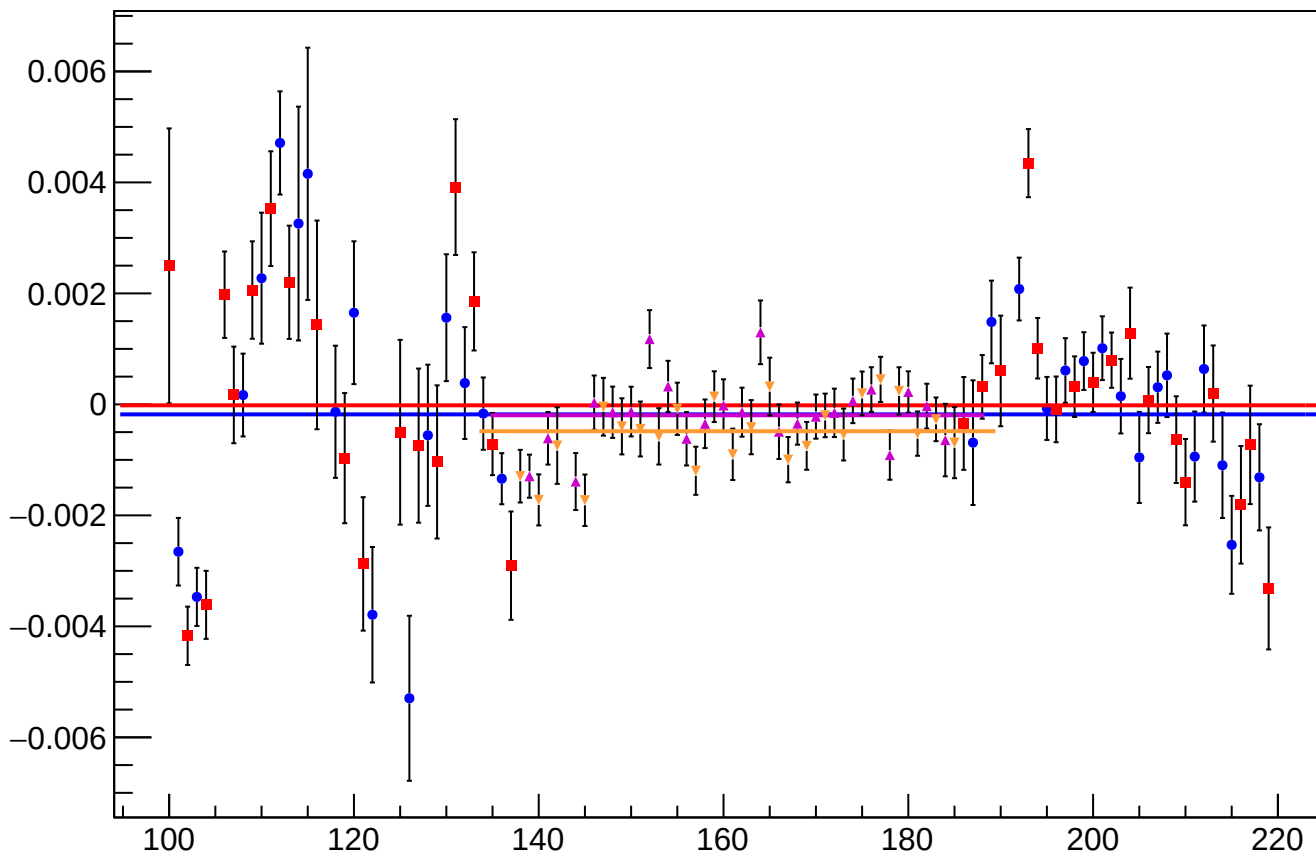
Left In: 0.016 ± 0.002 χ^2/NDF : 58.0/22

+ sign 0.013 ± 0.002 χ^2/NDF : 130.4/55

All: 0.013 ± 0.001 χ^2/NDF : 290.7/113

- sign 0.012 ± 0.002 χ^2/NDF : 159.9/57

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 170.8/31

Left Out: -0.000+/-0.000 χ^2 /NDF:40.8/23

Right Out: -0.000+/-0.000 χ^2 /NDF: 236.7/34

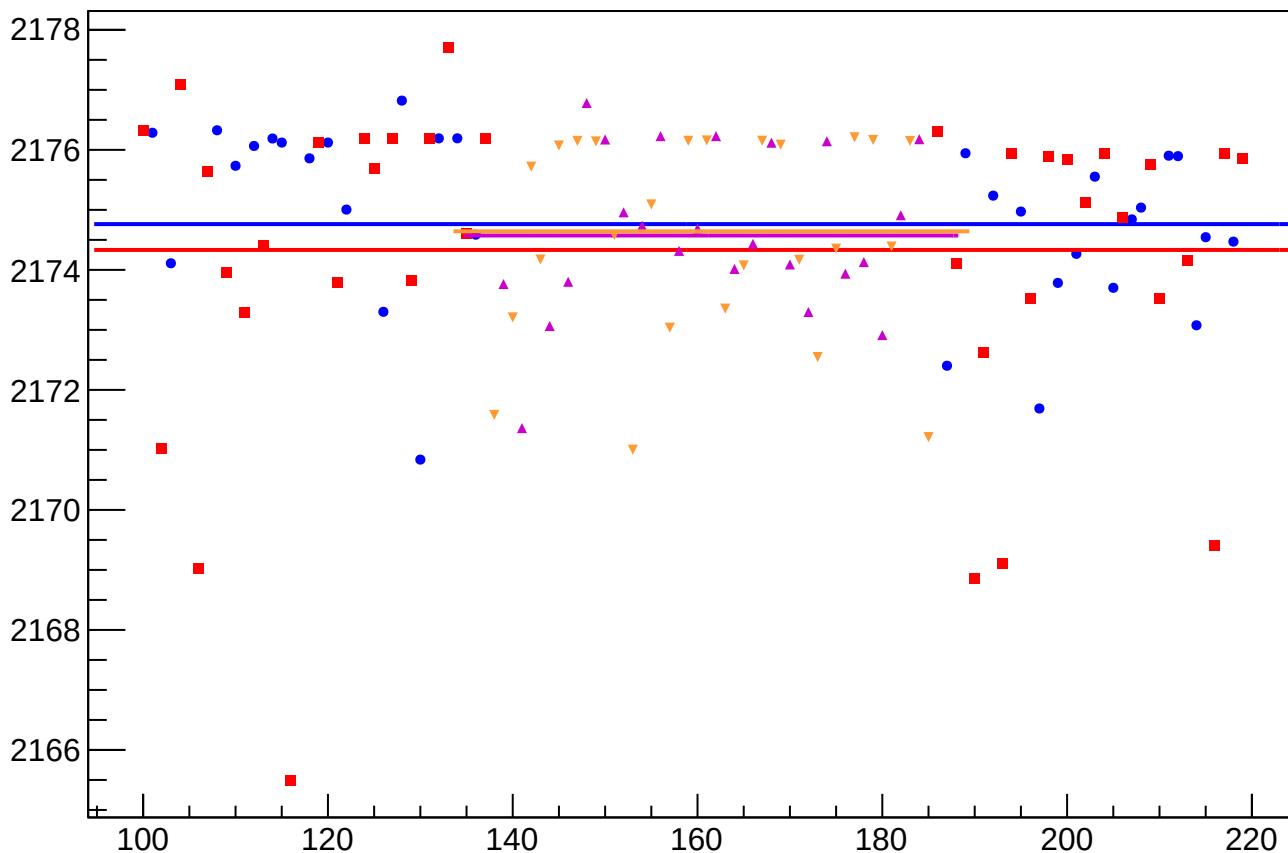
Left In: -0.000+/-0.000 χ^2 /NDF:37.2/22

+ sign -0.000+/-0.000 χ^2 /NDF: 215.1/55

All: -0.000+/-0.000 χ^2 /NDF: 495.5/113

- sign -0.000+/-0.000 χ^2 /NDF: 275.2/57

HALLA_p_mean vs Slug



Right In: 2174.763 $\pm$ 0.000 χ^2 /NDF: 3684432468422690380645870438711296.0/31

Left Out: 2174.643 $\pm$ 0.000 χ^2 /NDF: 5211684446319442157199657598451712.0/24

Right Out: 2174.332 $\pm$ 0.000 χ^2 /NDF: 12478228535690841354783572151500800.0/36

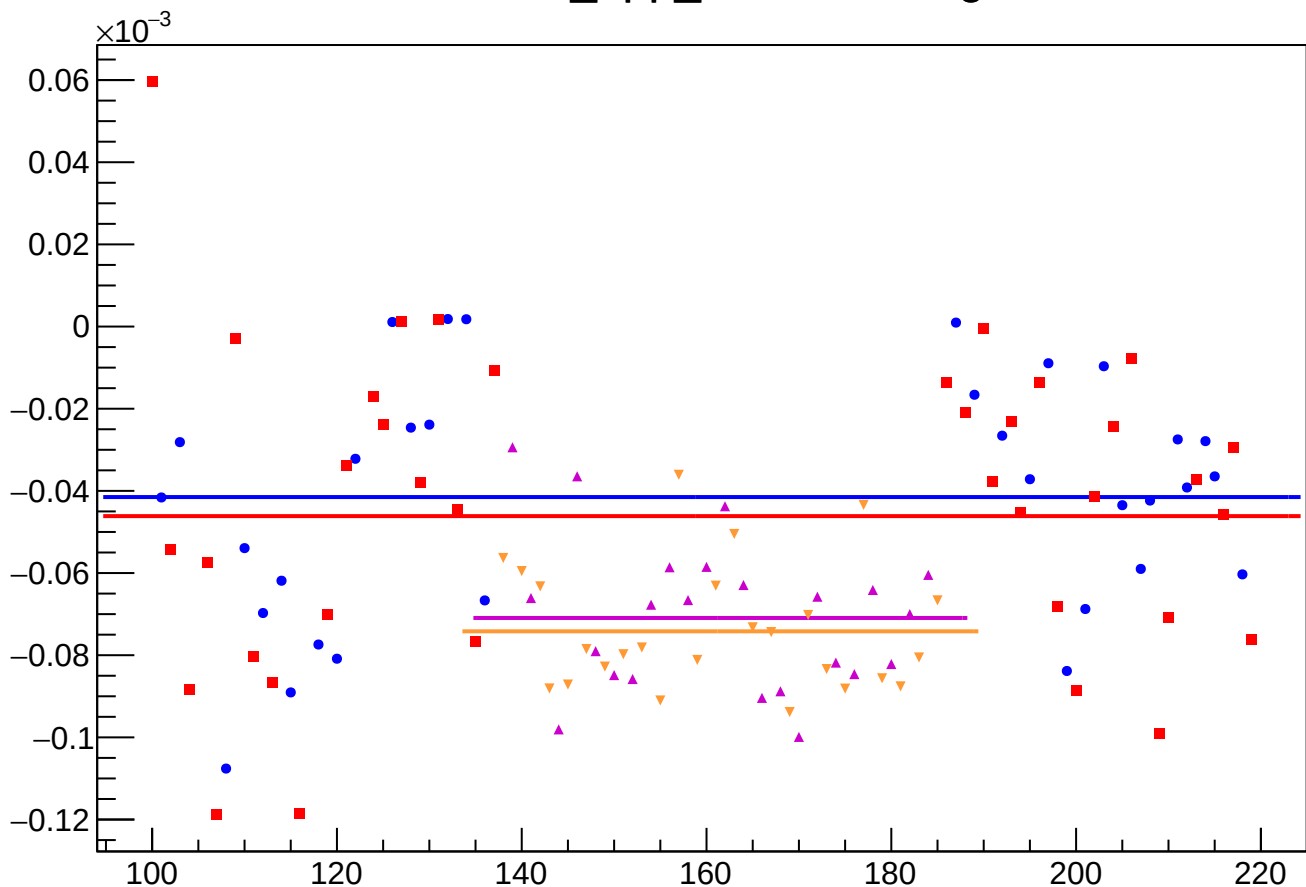
Left In: 2174.573 $\pm$ 0.000 χ^2 /NDF: 3431267097793838845728863815729152.0/22

+ sign 2174.703 $\pm$ 0.000 χ^2 /NDF: 89108355515850

All: 2174.573 $\pm$ 0.000 χ^2 /NDF: 25017796371

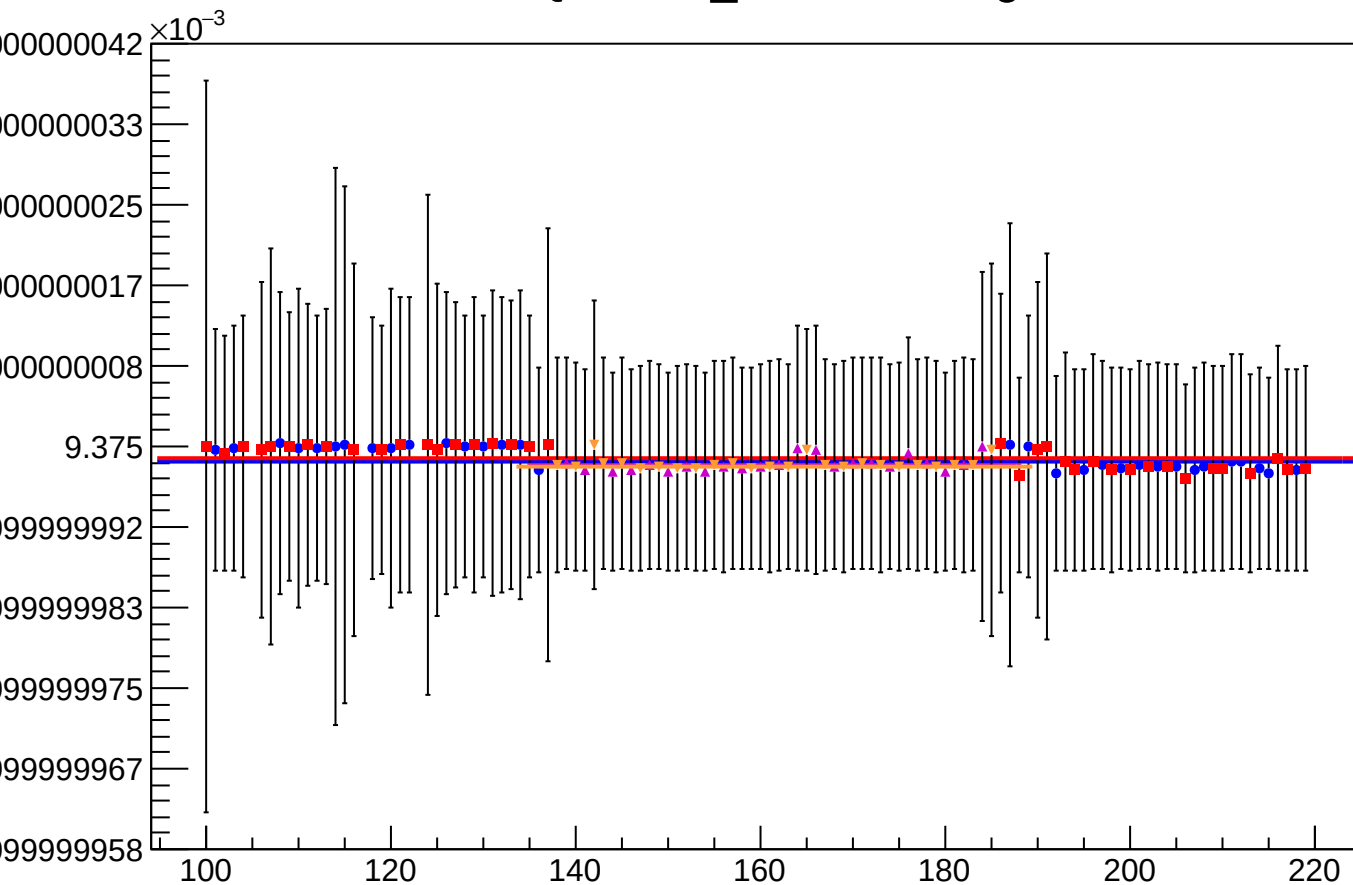
- sign 2174.444 $\pm$ 0.000 χ^2 /NDF: 15968705019233

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 1320919402351154367037440.0/31	+ sign -0.000+/-0.000	χ^2/NDF : 2884148697262138
Left Out: -0.000+/-0.000	χ^2/NDF : 471834768551309792509952.0/24	All: -0.000+/-0.000	χ^2/NDF : 6303898610957
Right Out: -0.000+/-0.000	χ^2/NDF : 2159845791413070395867136.0/36	- sign -0.000+/-0.000	χ^2/NDF : 34197497538719871
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: 0.3/31

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/36

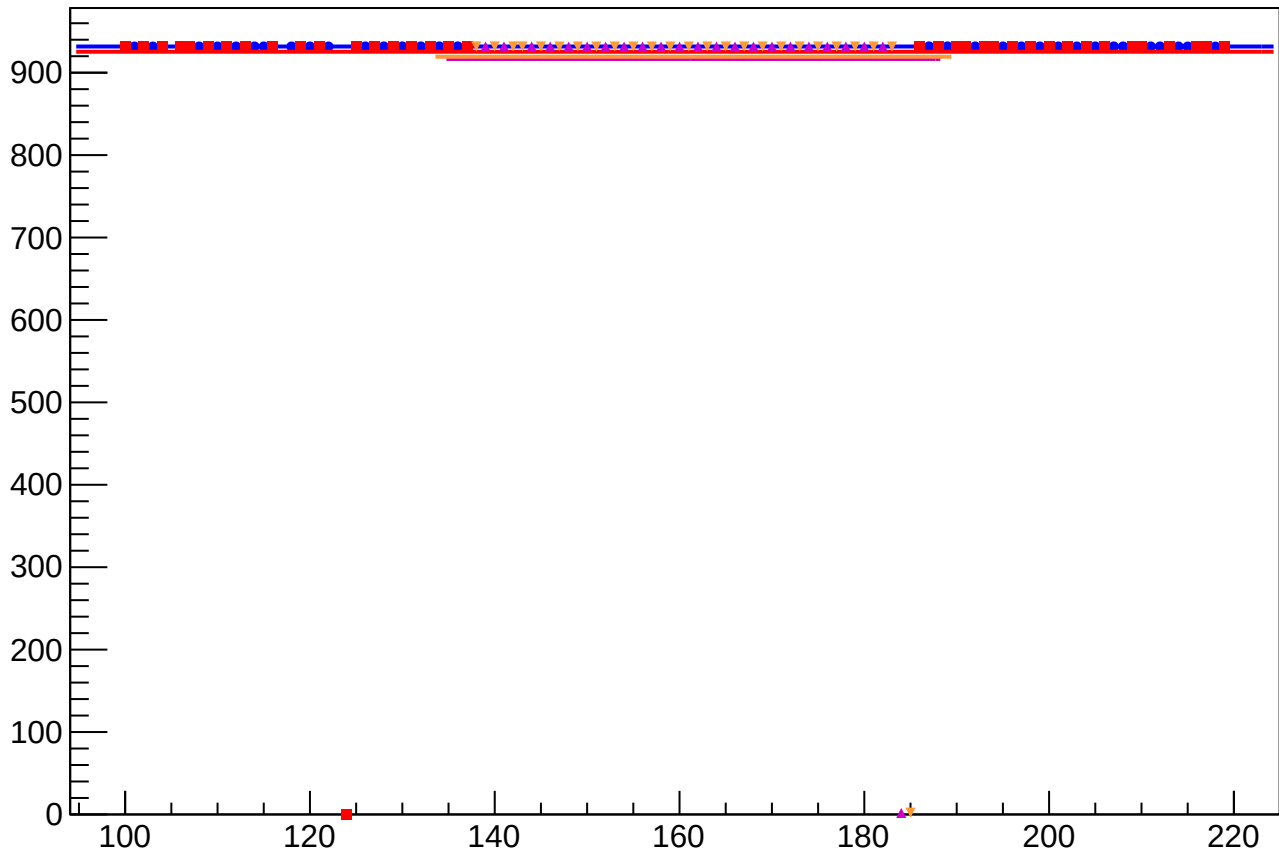
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/56

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.9/116

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.5/59

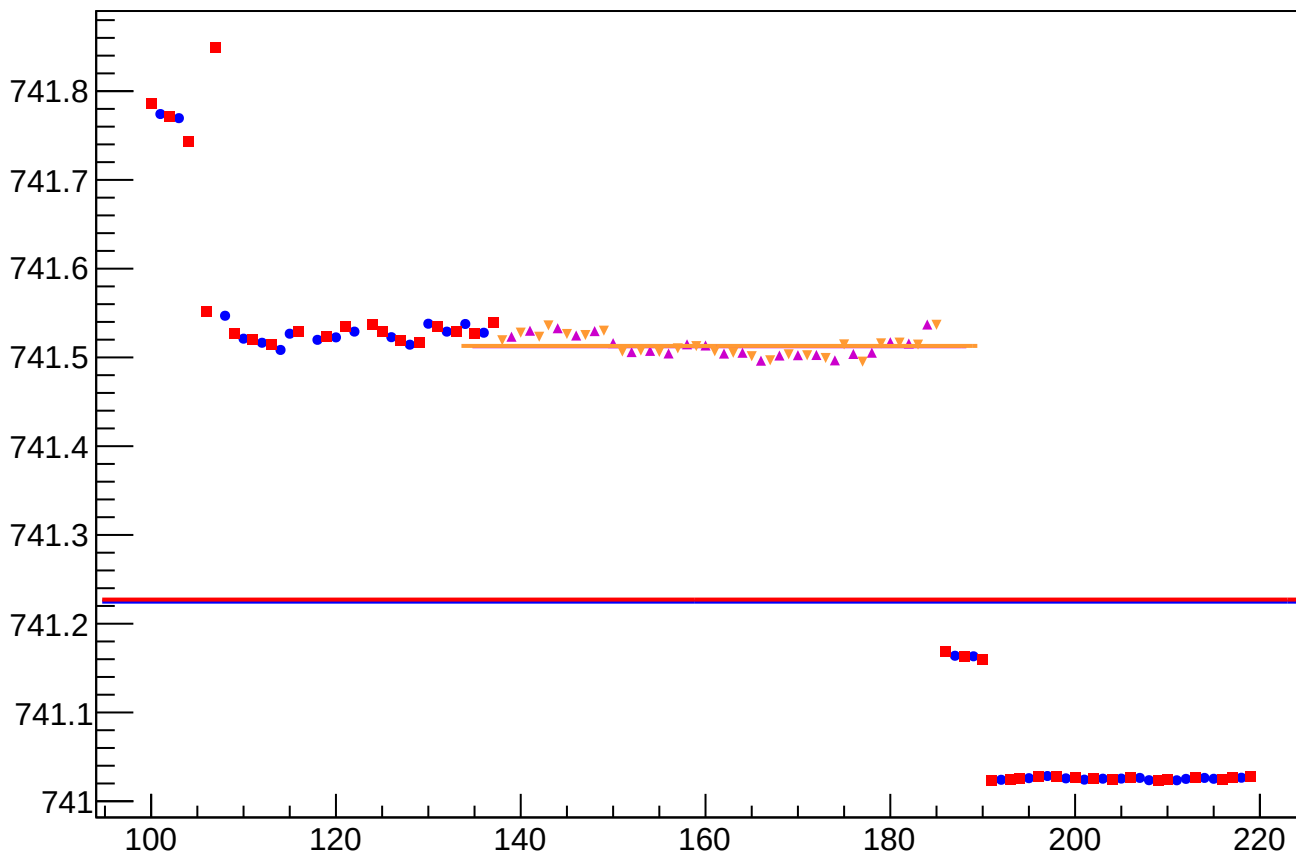
HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.765+/-0.000 χ^2/NDF : 6956889346205840687209469968384.0/31
Left Out: 919.347+/-0.000 χ^2/NDF : 23021123496215280619041526133081243648.0/24
Right Out: 925.434+/-0.000 χ^2/NDF : 12933373261323452149433651399999094784.0/36
Left In: 916.654+/-0.000 χ^2/NDF : 26369744931183548073785664842185572352.0/22

+ sign 925.635+/-0.000 χ^2/NDF : 231786820668807
All: 923.494+/-0.000 χ^2/NDF : 625980188000
- sign 921.367+/-0.000 χ^2/NDF : 393819894504317

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.225+/-0.000 χ^2/NDF : 144334058516898672524984148033536.0/31

Left Out: 741.513+/-0.000 χ^2/NDF : 251976310768126296231889600512.0/24

Right Out: 741.227+/-0.000 χ^2/NDF : 153041687196508102944580429676544.0/36

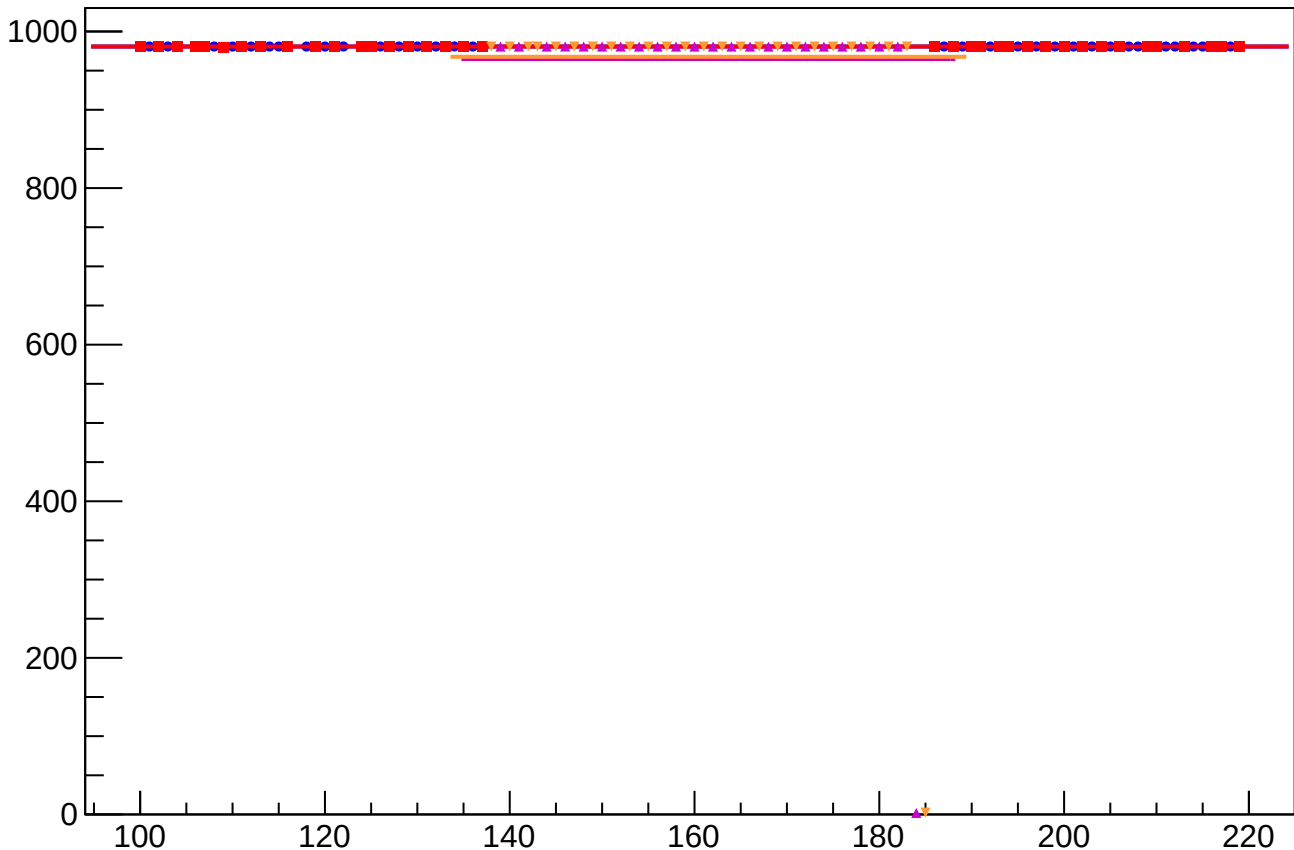
Left In: 741.513+/-0.000 χ^2/NDF : 234703983030085423185895882752.0/22

+ sign 741.367+/-0.000 χ^2/NDF : 229410714720977

All: 741.363+/-0.000 χ^2/NDF : 466141882872

- sign 741.359+/-0.000 χ^2/NDF : 236609596347047

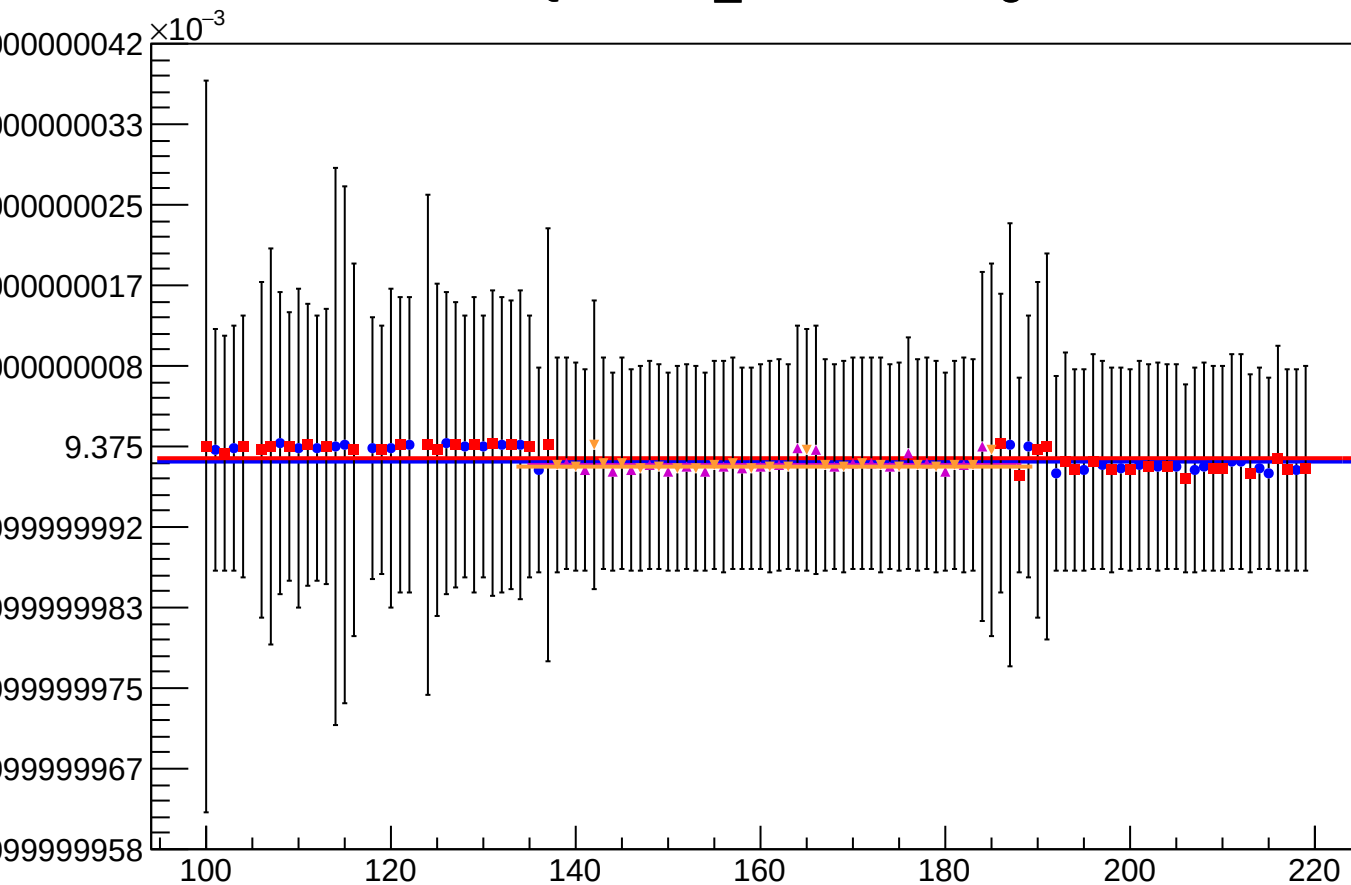
HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.803 $\pm$ 0.000 χ^2 /NDF: 1953491439189742182043740012544.0/31
Left Out: 967.677 $\pm$ 0.000 χ^2 /NDF: 25505155603279925641541295779633692672.0/24
Right Out: 980.783 $\pm$ 0.000 χ^2 /NDF: 63640034217890293343350952034304.0/36
Left In: 964.854 $\pm$ 0.000 χ^2 /NDF: 29215838960103078784112845628245016576.0/22

+ sign 974.323 $\pm$ 0.000 χ^2 /NDF: 256812156764092
All: 973.863 $\pm$ 0.000 χ^2 /NDF: 55158453936
- sign 973.405 $\pm$ 0.000 χ^2 /NDF: 294755088833318

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/31

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/36

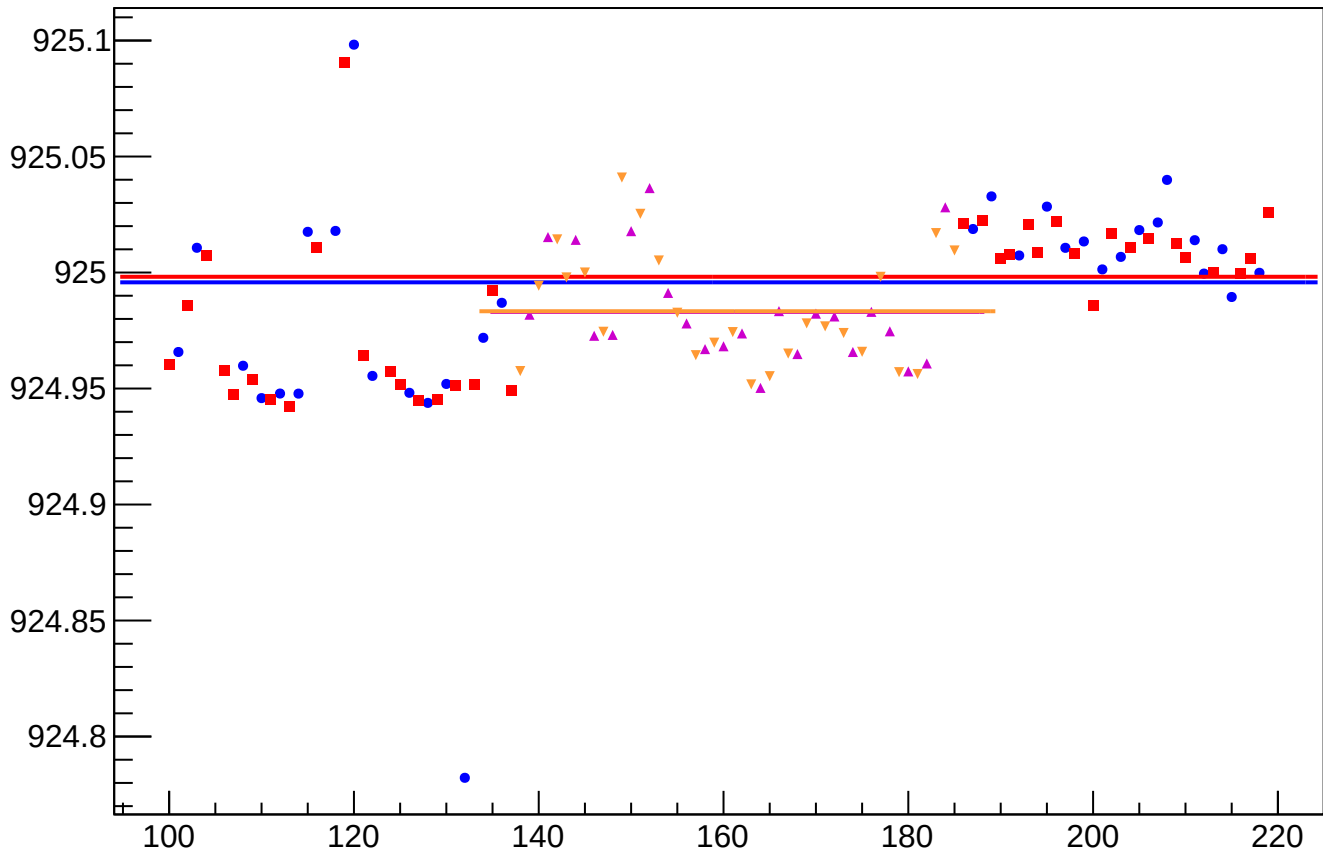
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/56

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.9/116

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.5/59

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.996 $\pm$ 0.000 χ^2 /NDF: 3774104471423584803486720589824.0/31

Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1161112698344246137667167715328.0/24

Right Out: 924.998 $\pm$ 0.000 χ^2 /NDF: 2064975571524468382981806882816.0/36

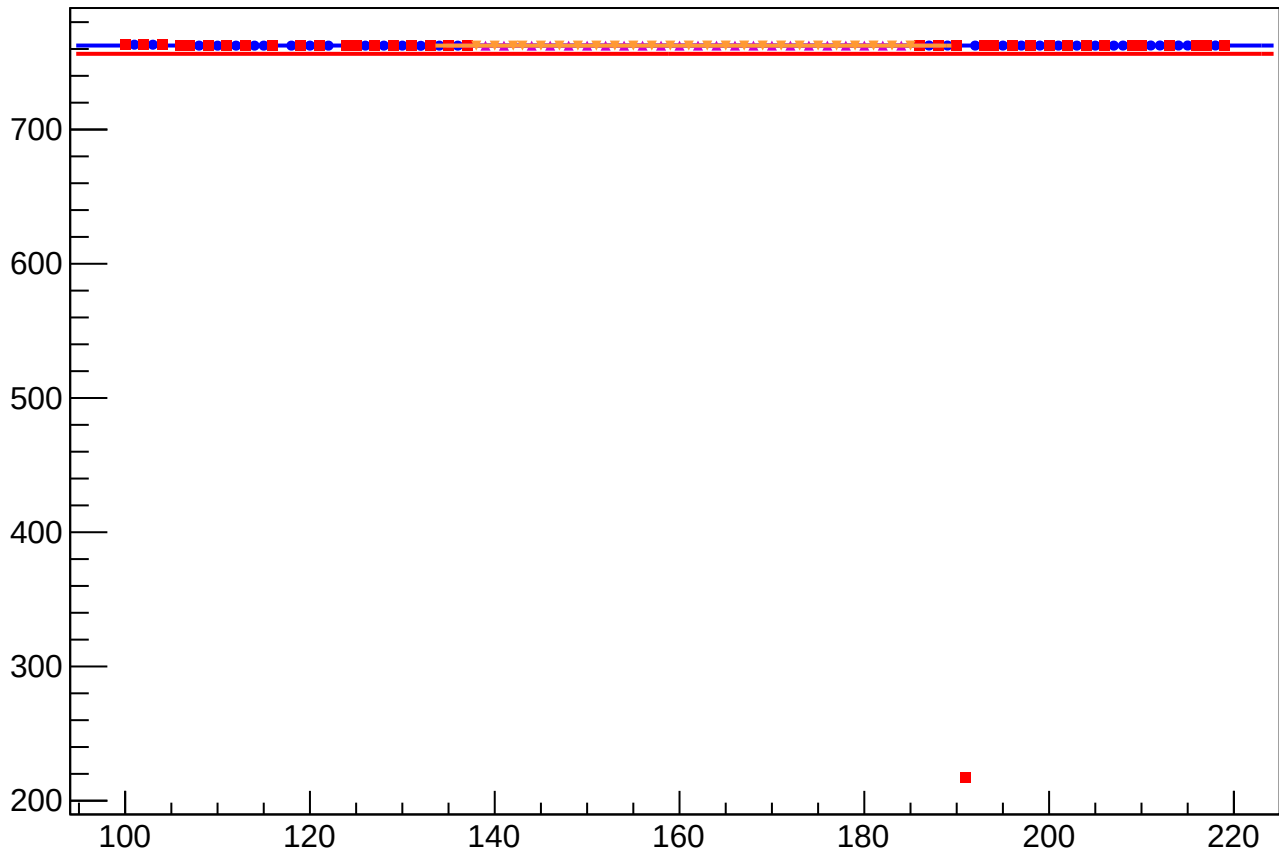
Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 928270307181587701368348475392.0/22

+ sign 924.990 $\pm$ 0.000 χ^2 /NDF: 509394793007380

All: 924.990 $\pm$ 0.000 χ^2 /NDF: 832712304365

- sign 924.991 $\pm$ 0.000 χ^2 /NDF: 322838867331741

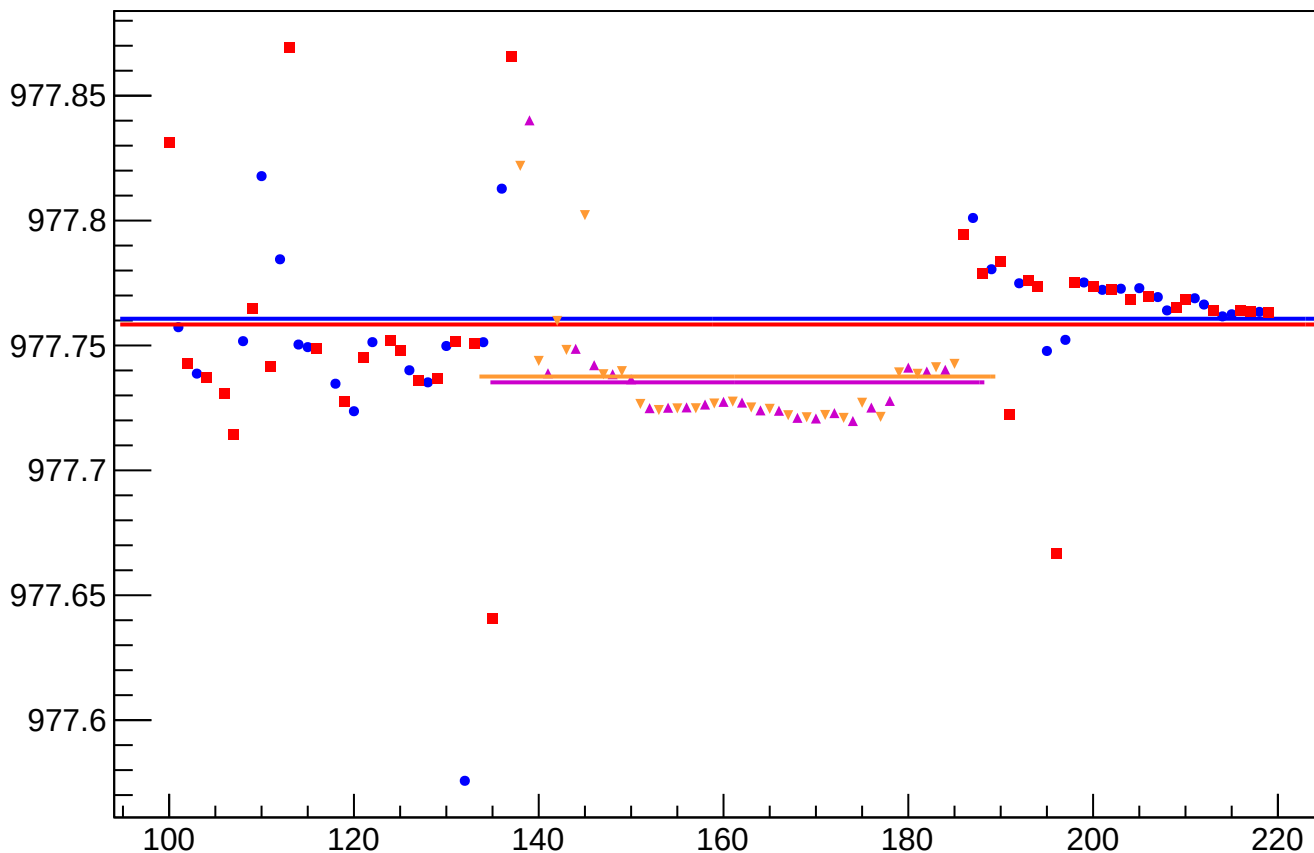
HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.570+/-0.000 χ^2/NDF : 55523932228044777620824534286336.0/31
Left Out: 762.518+/-0.000 χ^2/NDF : 767703709161817083348479115264.0/24
Right Out: 756.402+/-0.000 χ^2/NDF : 7355259196774025948632866807951130624.0/36
Left In: 762.519+/-0.000 χ^2/NDF : 670647537781259394452119617536.0/22

+ sign 762.545+/-0.000 χ^2/NDF : 590654886194367
All: 760.884+/-0.000 χ^2/NDF : 74160597481
- sign 759.235+/-0.000 χ^2/NDF : 739354012123159

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.761 $\pm$ 0.000 χ^2 /NDF: 2224744115477929394787965730816.0/31

Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1178407872566336572325000904704.0/24

Right Out: 977.758 $\pm$ 0.000 χ^2 /NDF: 2870449153167939807509871591424.0/36

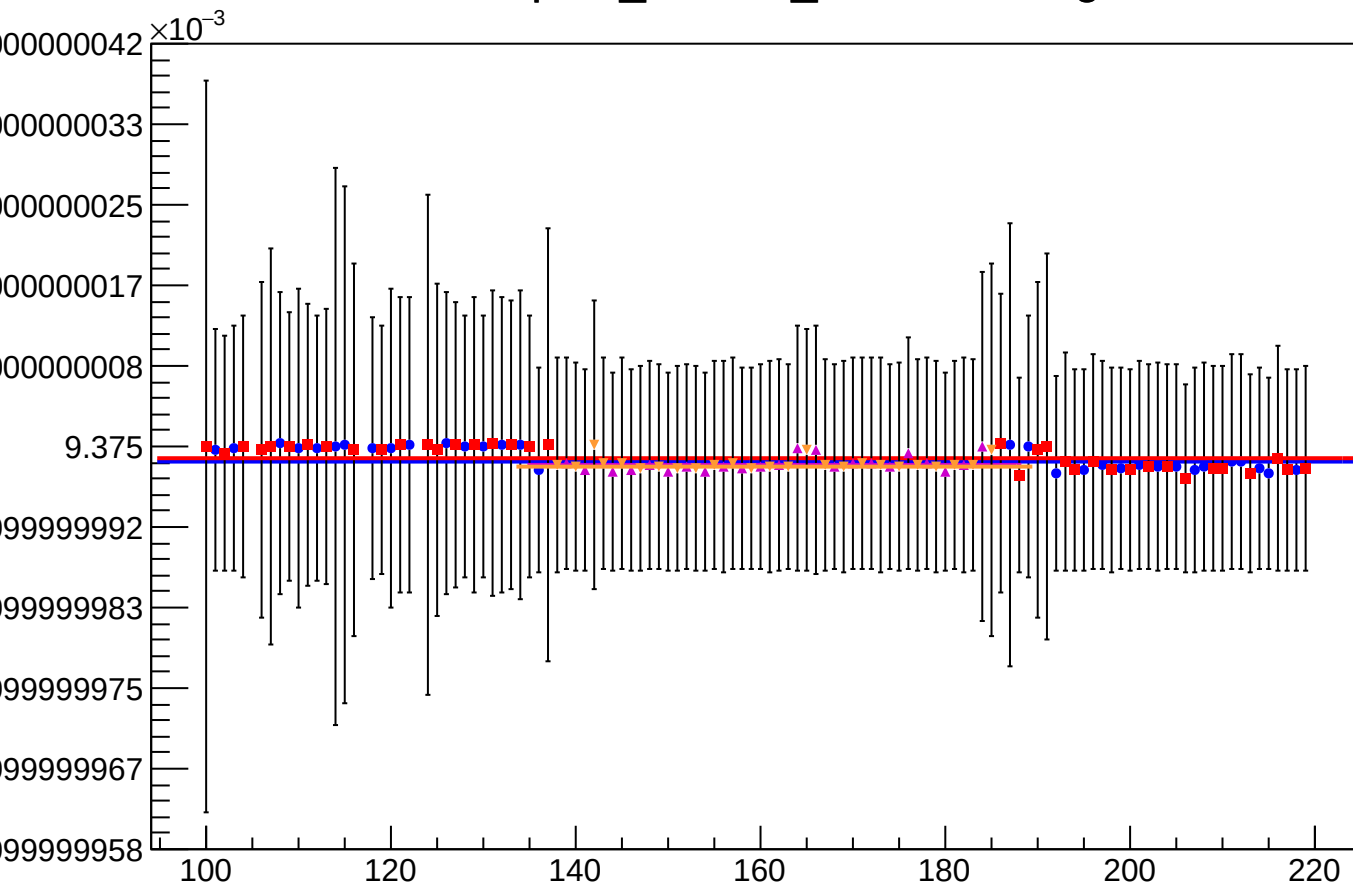
Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 1096766437605417254627072540672.0/22

+ sign 977.749 $\pm$ 0.000 χ^2 /NDF: 395021449513759

All: 977.748 $\pm$ 0.000 χ^2 /NDF: 84718782783

- sign 977.748 $\pm$ 0.000 χ^2 /NDF: 451635149768845

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/31

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/36

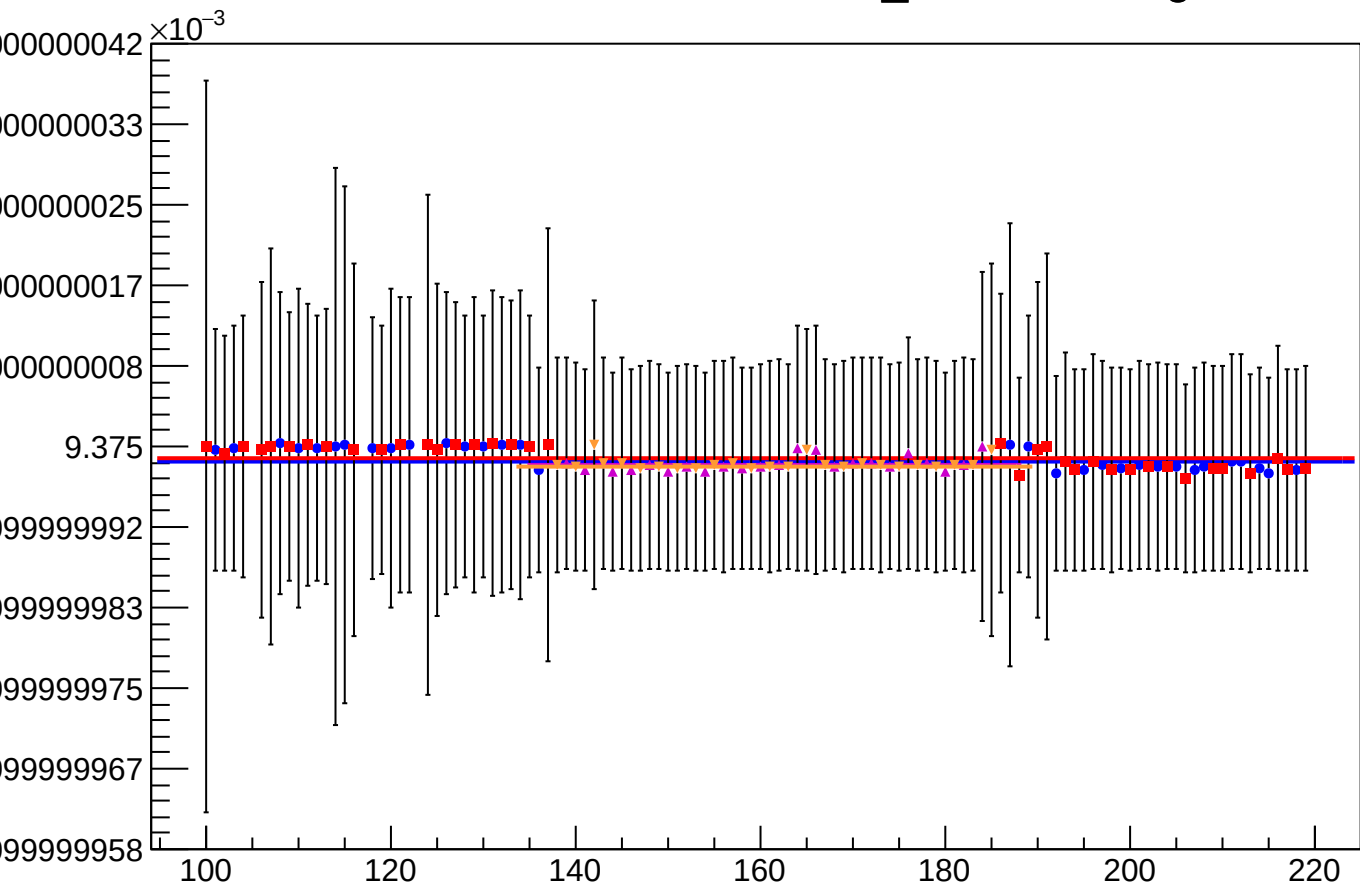
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/56

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.9/116

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.5/59

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/31

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/36

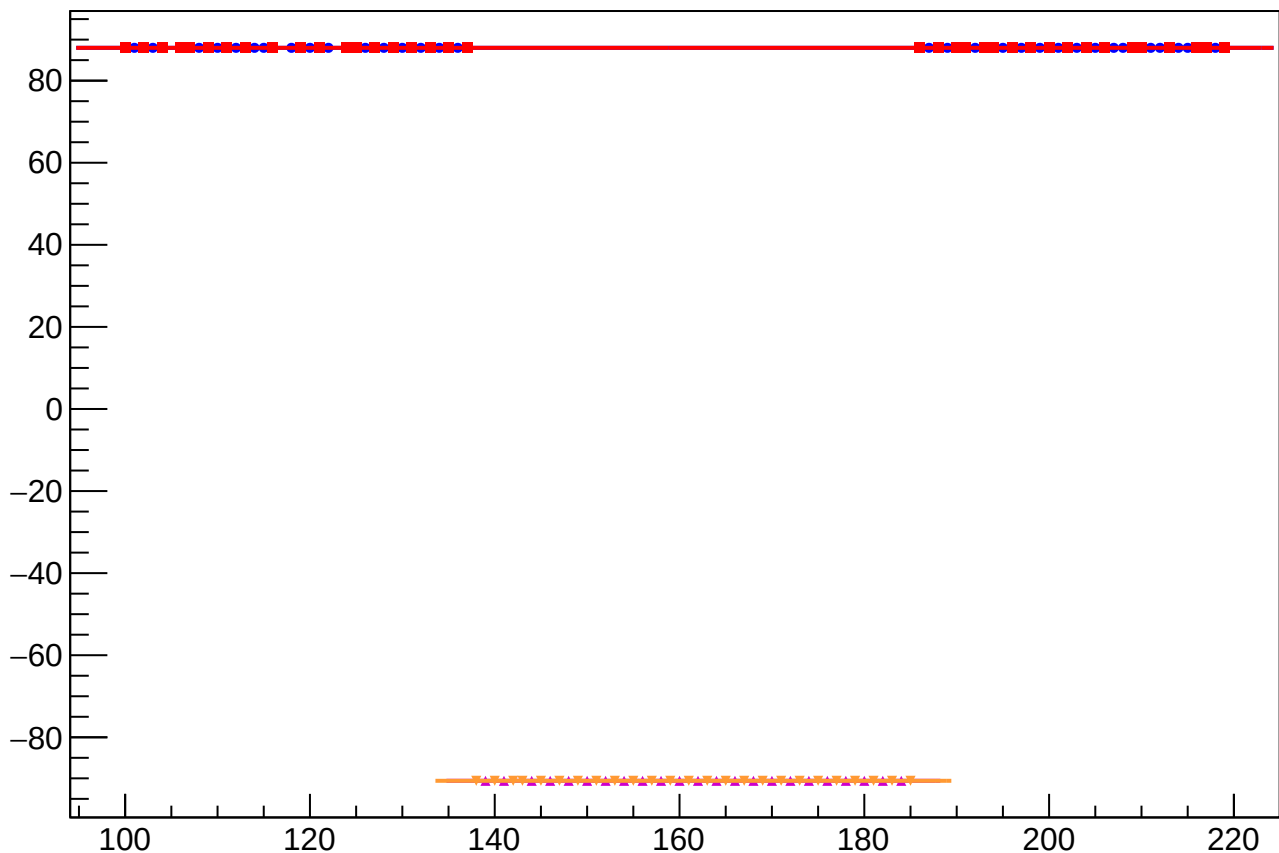
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/56

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.9/116

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.5/59

VWienAngle_mean vs Slug

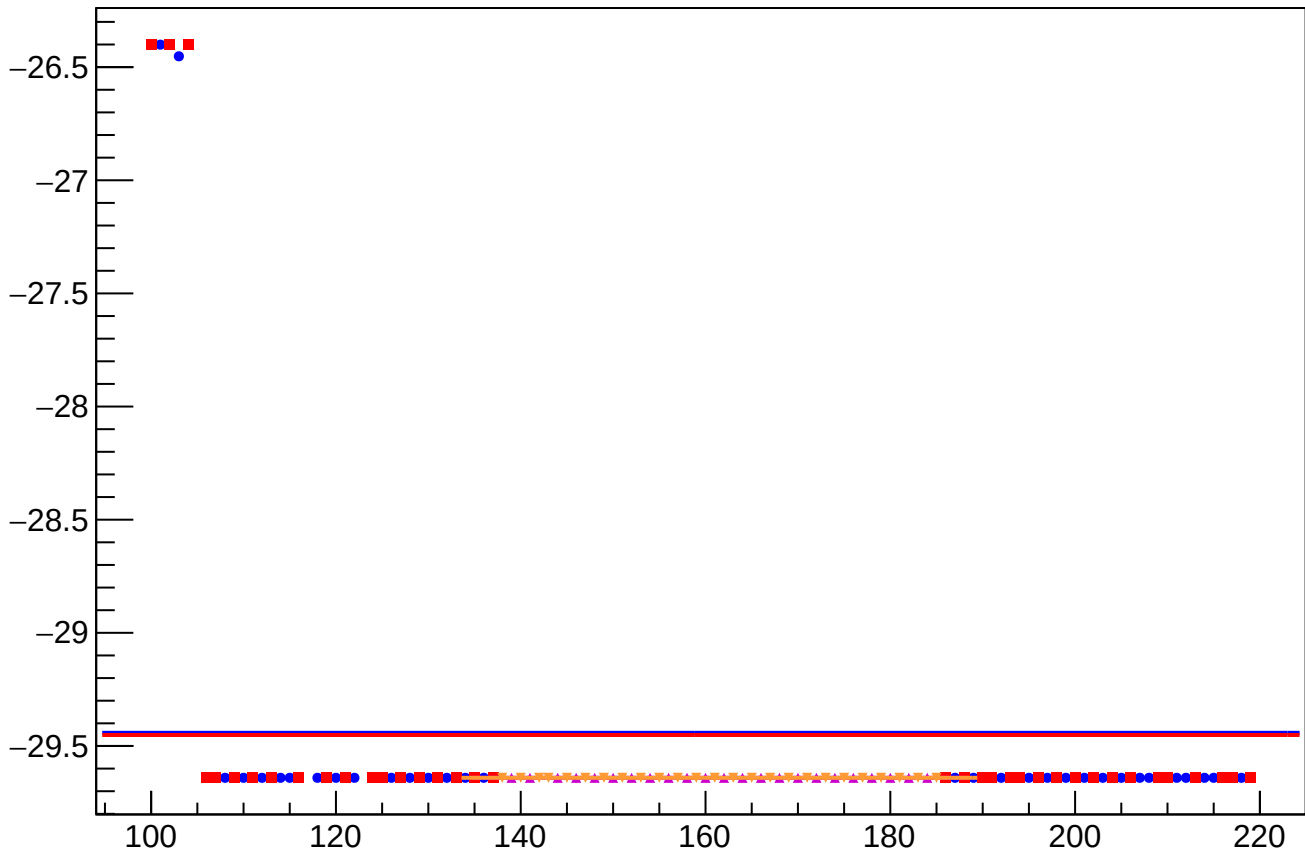


+ sign -0.163 $\pm$ 0.000 χ^2 /NDF: 3259444040841485

All: 2.566 $\pm$ 0.000 χ^2 /NDF: 65292579695919

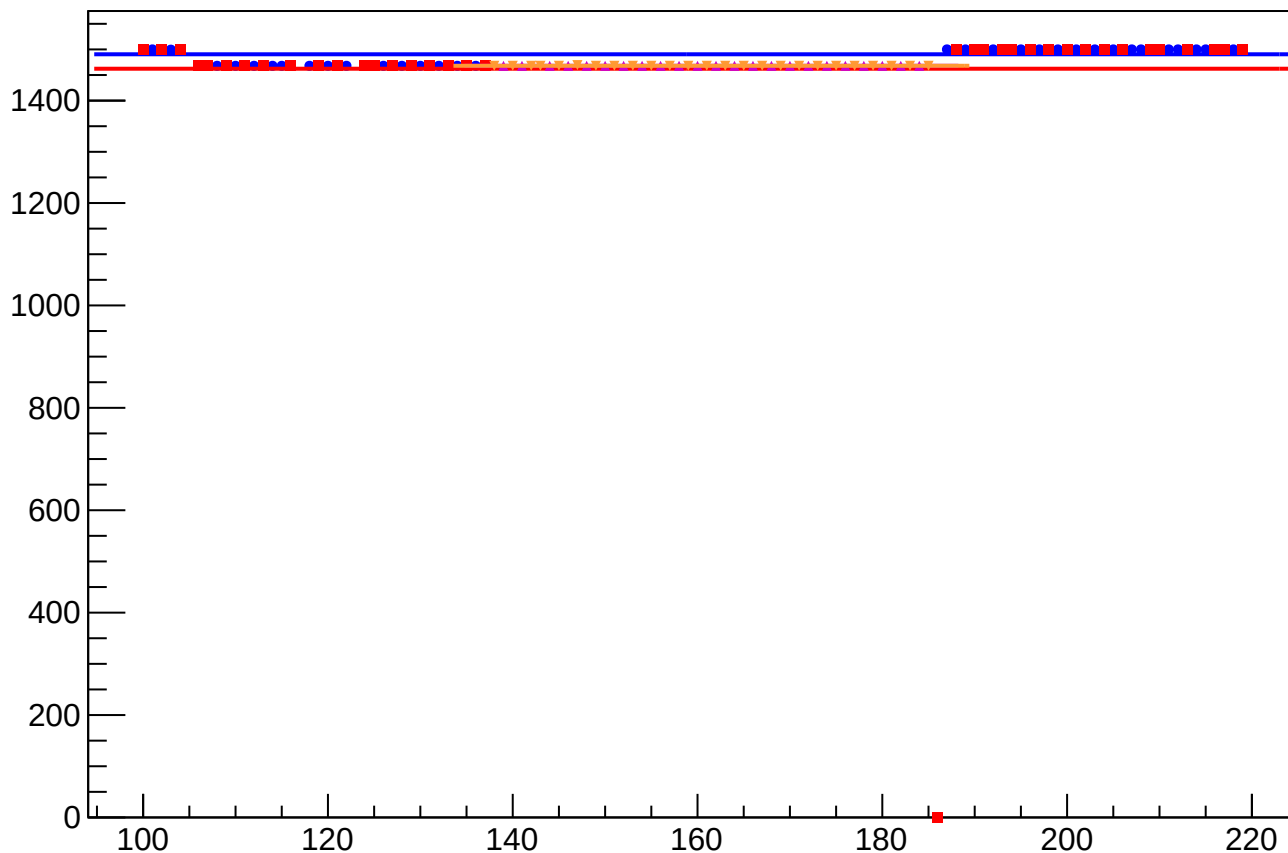
- sign 5.277 $\pm$ 0.000 χ^2 /NDF: 32637450363915515

HWienAngle_mean vs Slug



Right In: -29.442+/-0.000 χ^2/NDF : 1241069160745341034327155675234304.0/31
 Left Out: -29.641+/-0.000 χ^2/NDF : 409122.2/24 + sign -29.540+/-0.000 χ^2/NDF : 128144647162425
 Right Out: -29.451+/-0.000 χ^2/NDF : 1275109113626072663633465557647360.0/36 All: -29.540+/-0.000 χ^2/NDF : 259318644454
 Left In: -29.641+/-0.000 χ^2/NDF : 290780.4/22 - sign -29.539+/-0.000 χ^2/NDF : 1311738258663417

psub_pl_pos_mean vs Slug



Right In: 1490.503+/-0.000 χ^2/NDF : 441822104007874768822797393048109056.0/31

Left Out: 1468.051+/-0.000 χ^2/NDF : 139558223587677068165594208010240.0/24

Right Out: 1462.291+/-0.000 χ^2/NDF : 92007693713298389905267586861266632704.0/36

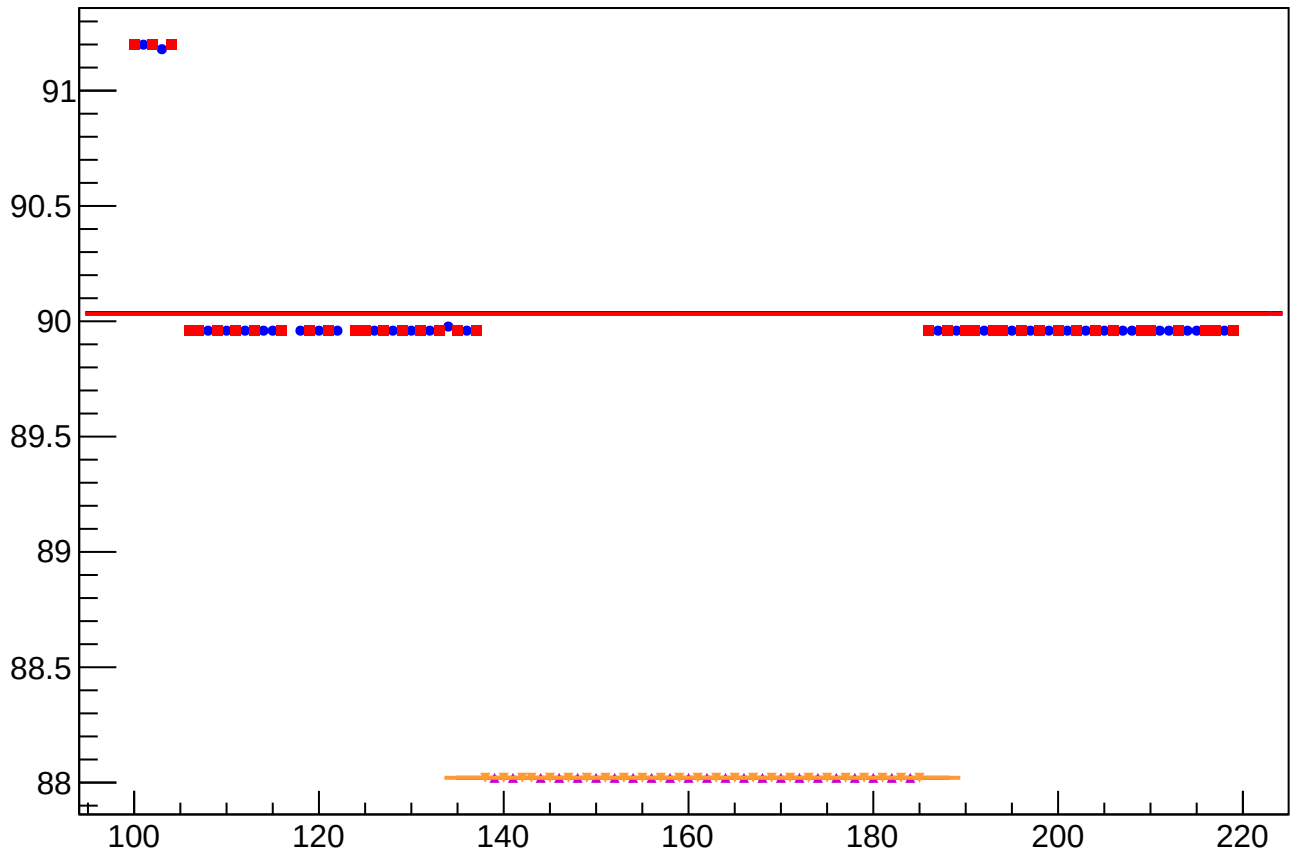
Left In: 1467.994+/-0.000 χ^2/NDF : 155493808986096753755224539136.0/22

+ sign 1479.419+/-0.000 χ^2/NDF : 95705893654263

All: 1472.152+/-0.000 χ^2/NDF : 93428431436

- sign 1464.932+/-0.000 χ^2/NDF : 92040970617978

Phi_FG_mean vs Slug



Right In: 90.036 $\pm$ 0.000 χ^2 /NDF: 181687872100855330883948605603840.0/31

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5113333.3/24

Right Out: 90.032 $\pm$ 0.000 χ^2 /NDF: 186767239474903232330549795225600.0/36

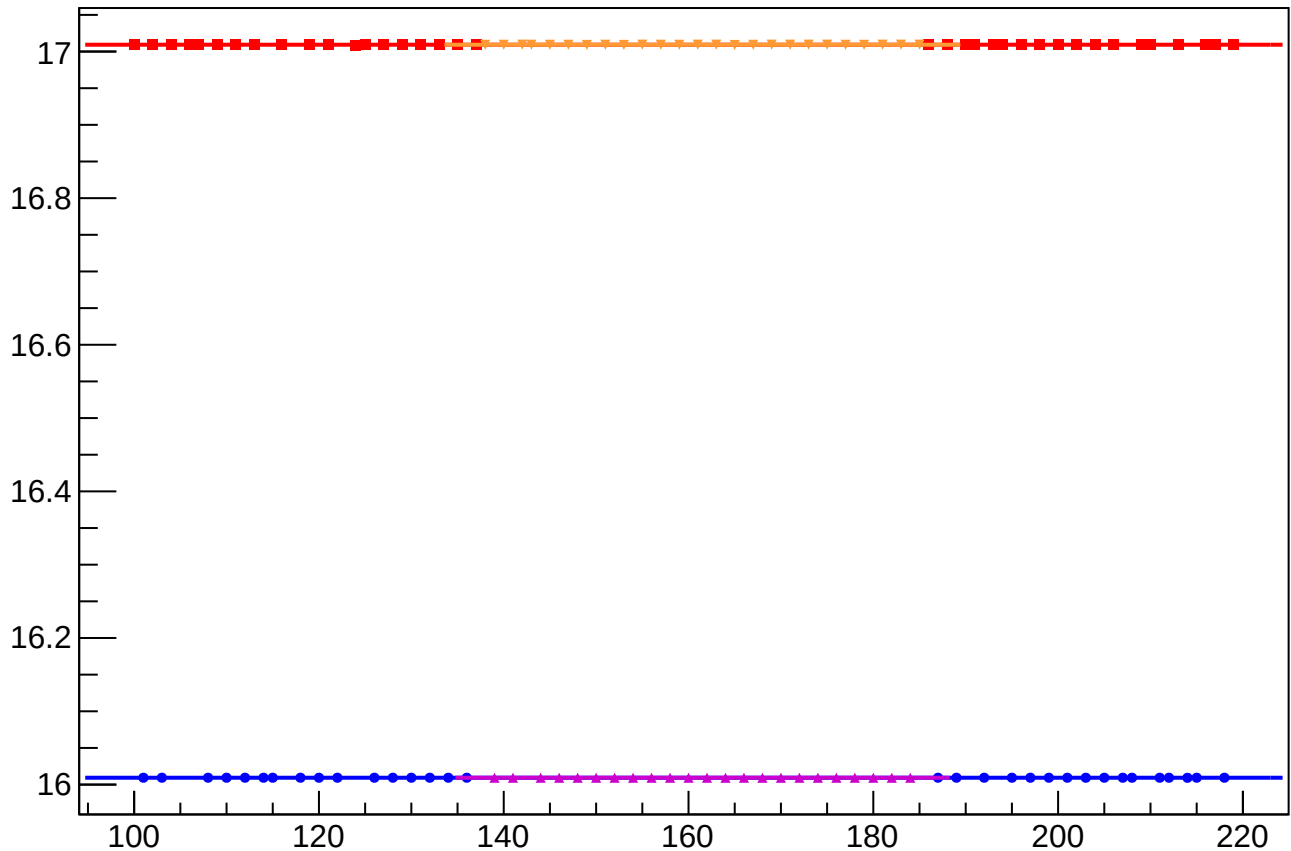
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 7159272.4/22

+ sign 89.041 $\pm$ 0.000 χ^2 /NDF: 4330592461661657

All: 89.071 $\pm$ 0.000 χ^2 /NDF: 8662412062957

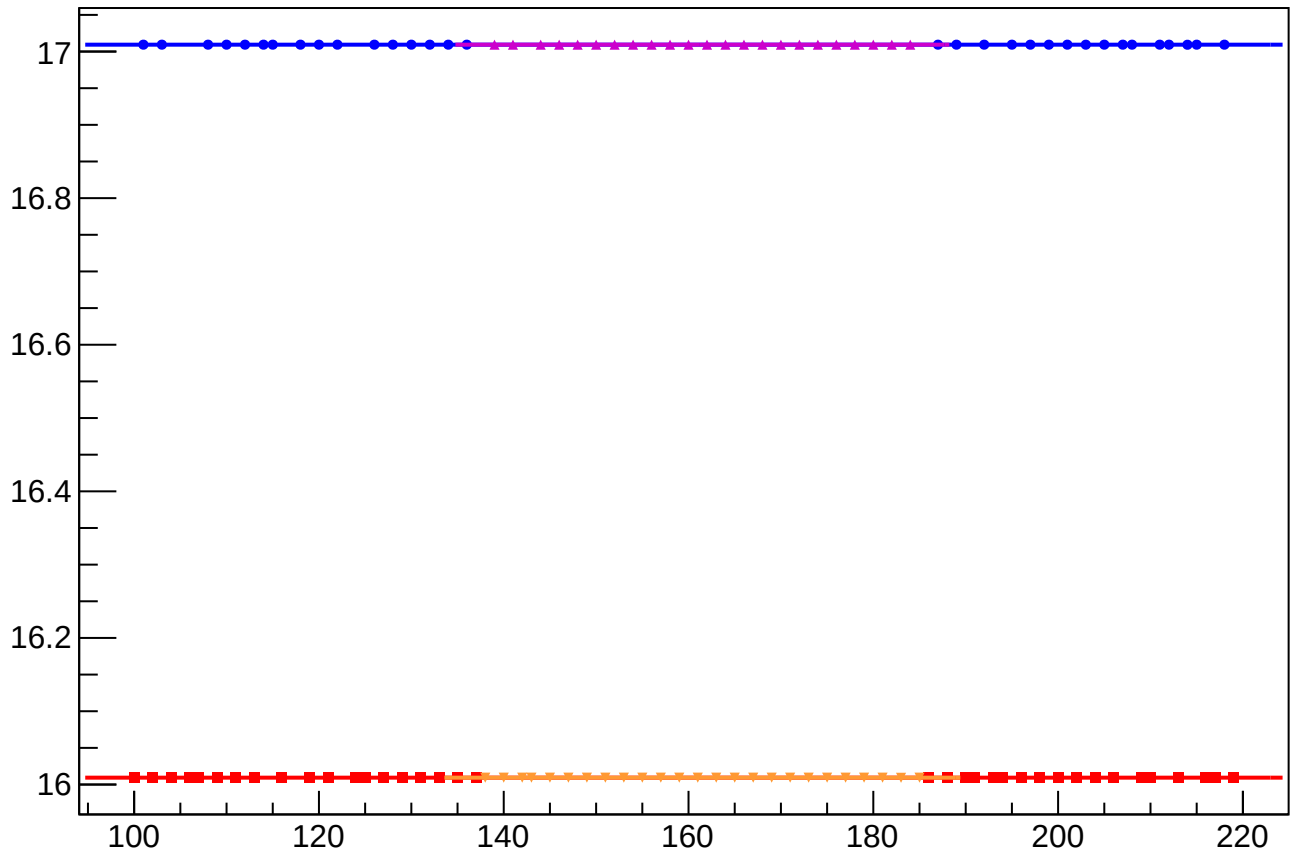
- sign 89.100 $\pm$ 0.000 χ^2 /NDF: 4324626997364052

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 990648898385513510076416.0/31
 Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 27990345675883689673752576.0/24
 Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 22583579773521684059914240.0/36
 Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 124687912167063523688448.0/22

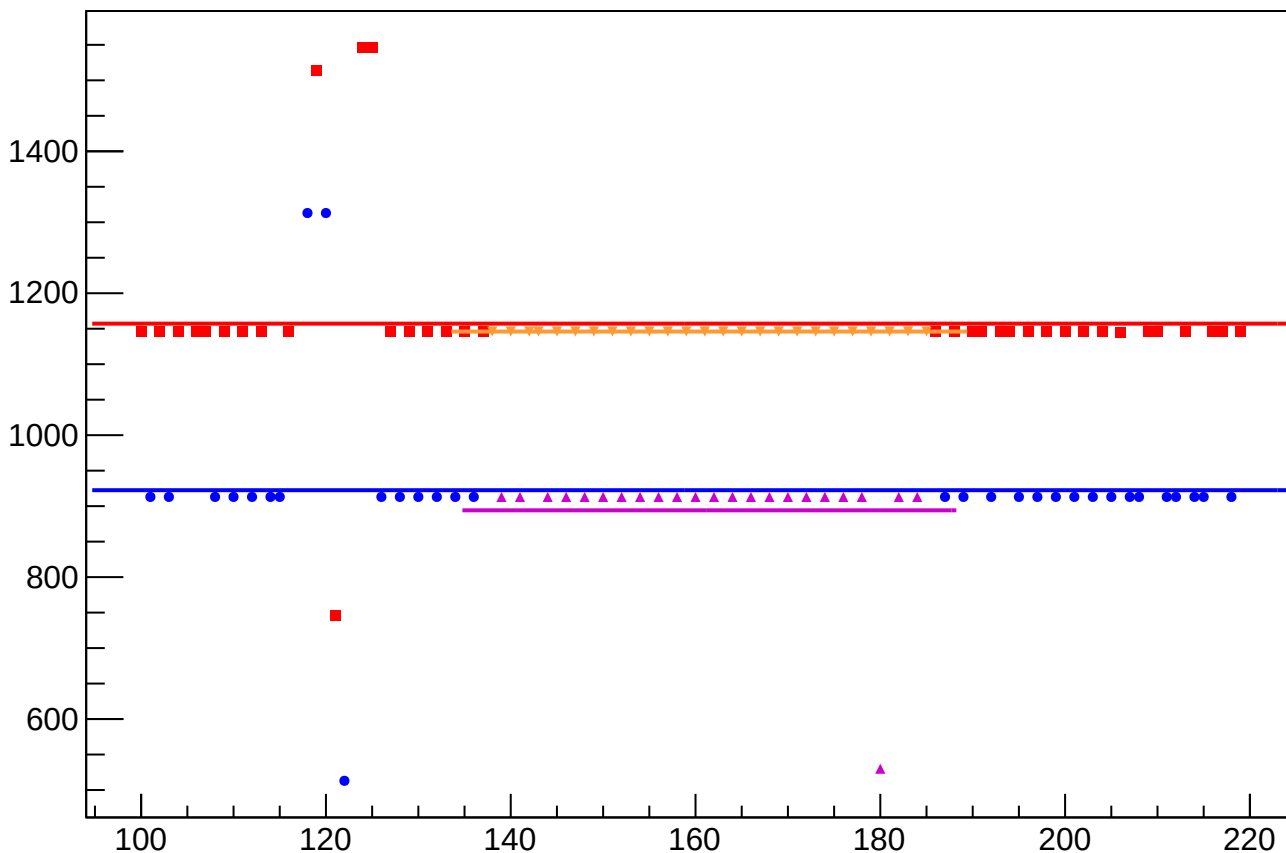
IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 990837828938266027491328.0/31
 Left Out: 16.009+/-0.000 χ^2/NDF : 2818892758481805649117184.0/24
 Right Out: 16.009+/-0.000 χ^2/NDF : 24591799503687635697664.0/36
 Left In: 17.009+/-0.000 χ^2/NDF : 111007104420881566269440.0/22

+ sign 16.515+/-0.000 χ^2/NDF : 1006883277149269
 All: 16.491+/-0.000 χ^2/NDF : 2020451600304
 - sign 16.467+/-0.000 χ^2/NDF : 1008927929103295

RTPAPOSUCNT_mean vs Slug



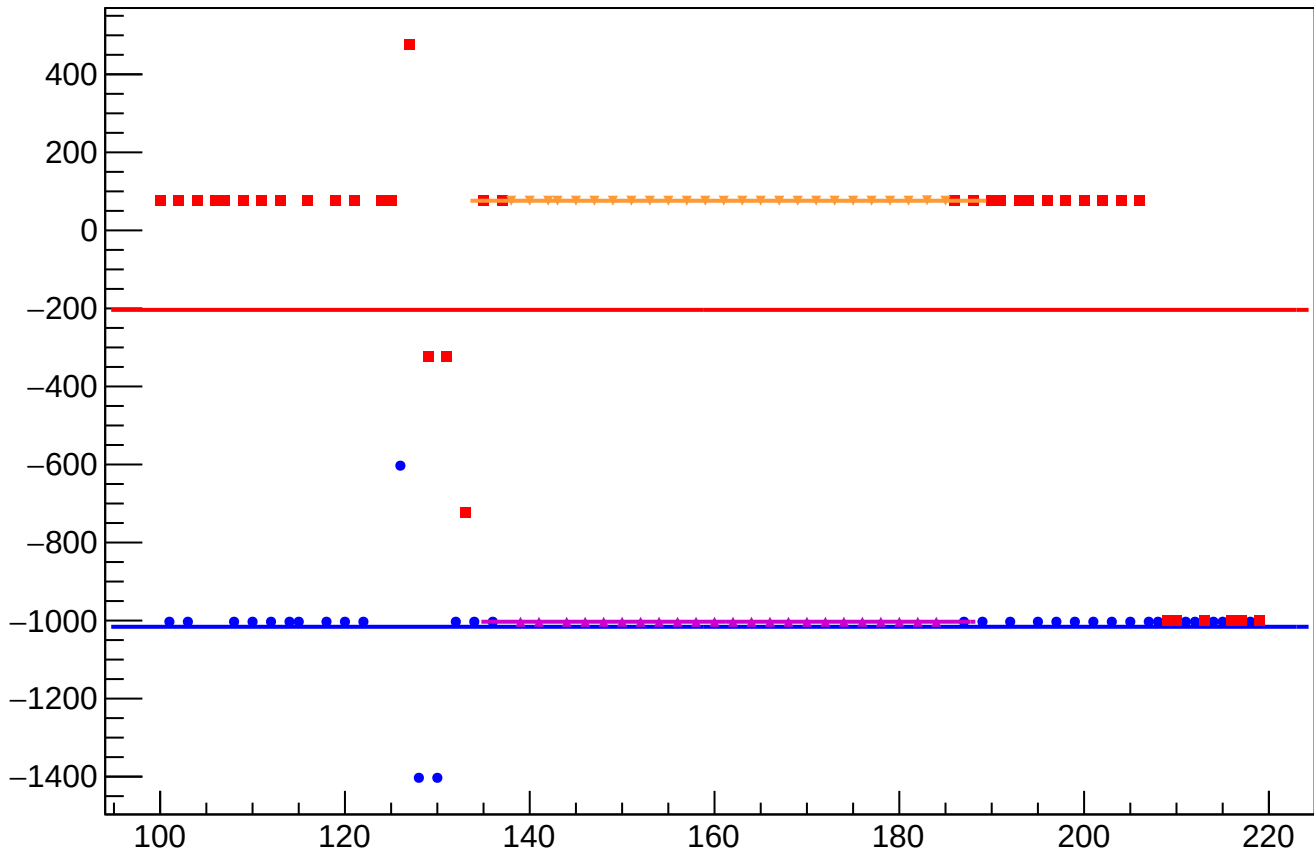
Right In: 922.463+/-0.000 χ^2/NDF : 21415818621503385349573650213198888960.0/31

Left Out: 1146.020+/-0.000 χ^2/NDF : 3703071297941871459906430697472.0/24

Right Out: 1157.149+/-0.000 χ^2/NDF : 22672627163634123932983427652994990080.0/36

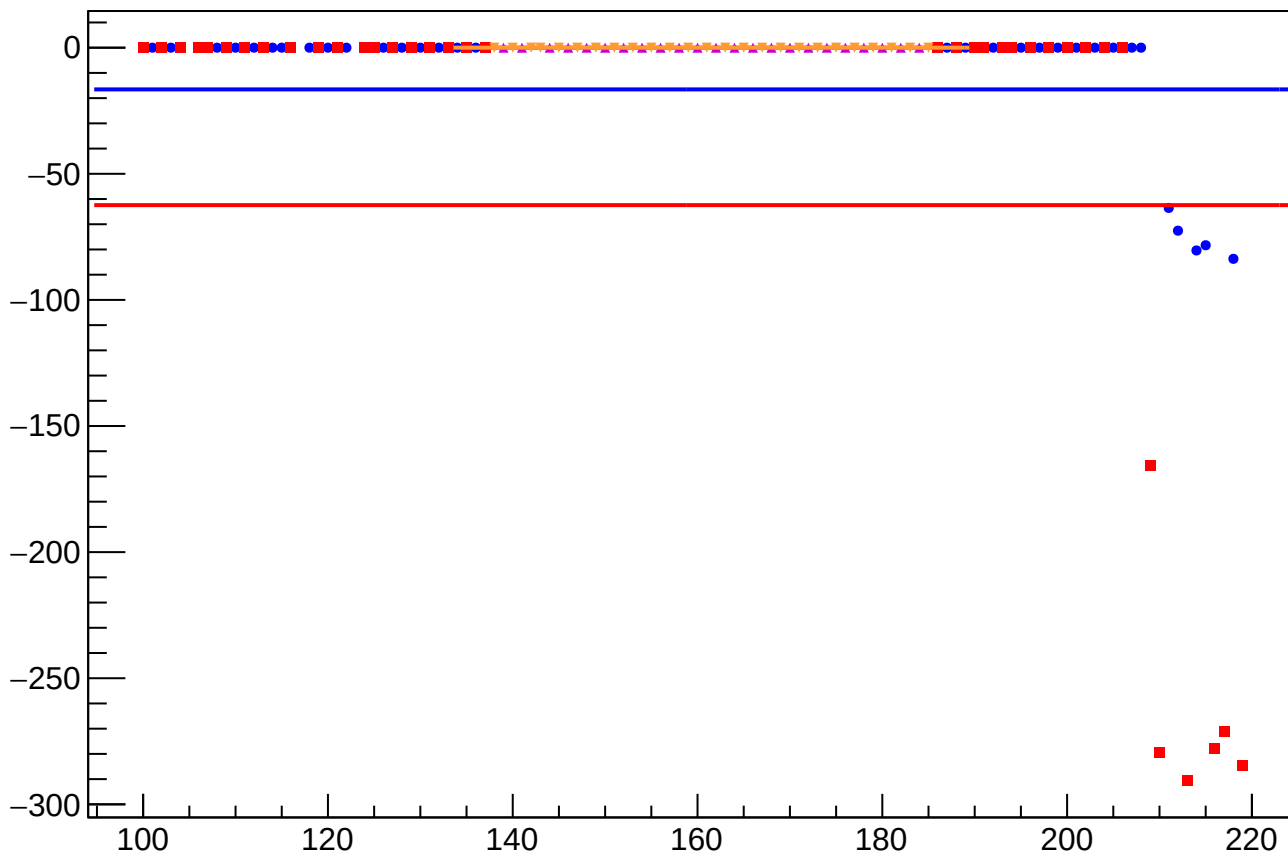
Left In: 894.107+/-0.000 χ^2/NDF : 13107238299211712783896183802964213760.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1015.936 ± 0.000 χ^2/NDF : 23492717927593456250027692706576203776.0/31
 Left Out: 76.053 ± 0.000 χ^2/NDF : 81371196294580866514571210260480.0/24
 Right Out: -203.687 ± 0.000 χ^2/NDF : 486775034884807747128635453543475576832.0/36
 Left In: -1002.990 ± 0.000 χ^2/NDF : 2951955903348314753097269248.0/22

RTPPITA1CNT_mean vs Slug



Right In: -16.539 ± 0.000 χ^2/NDF : 2062353056837394388116592613602099200.0/31

Left Out: 0.009 ± 0.000 χ^2/NDF : 0.1/24

+ sign -8.370 ± 0.000 χ^2/NDF : 2342189371468279

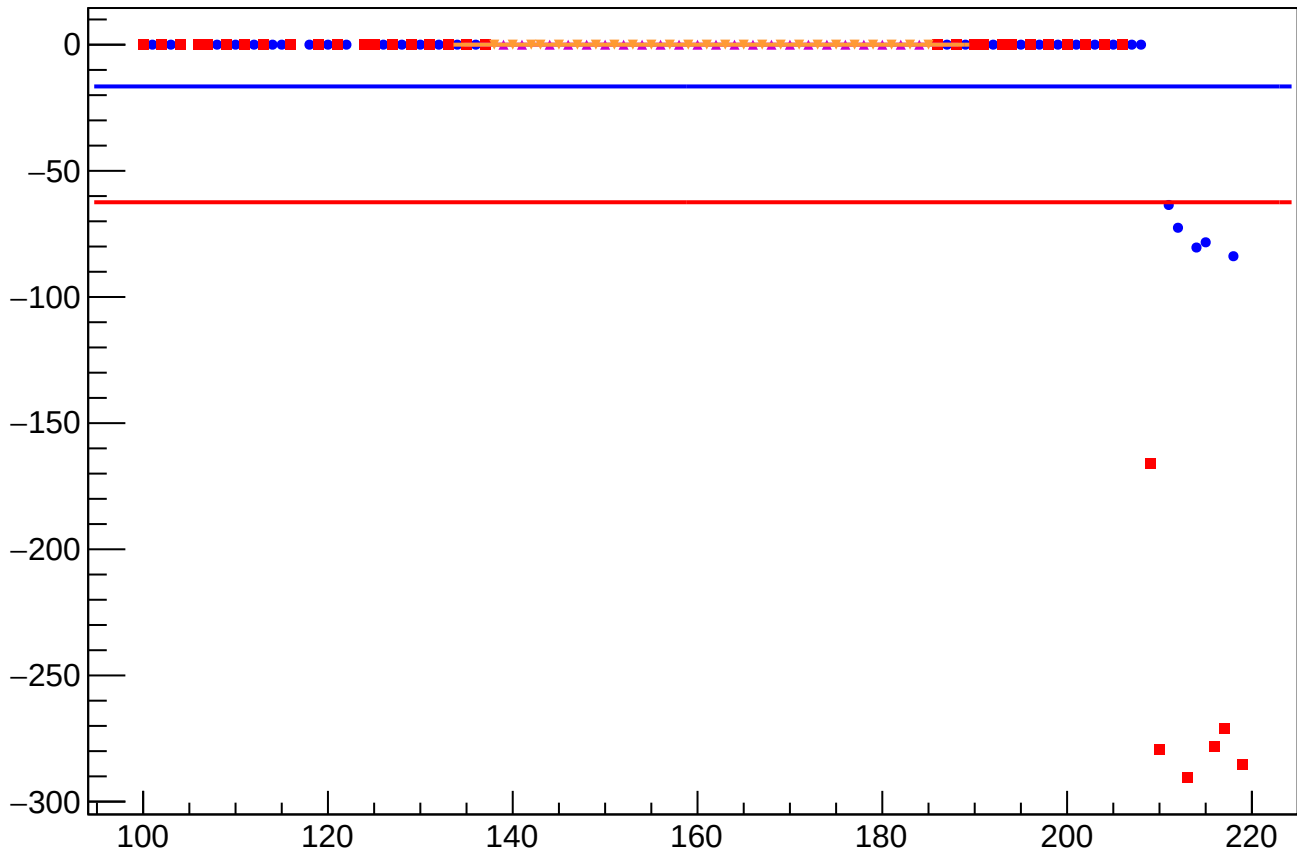
All: -20.978 ± 0.000 χ^2/NDF : 360962046539

Right Out: -62.418 ± 0.000 χ^2/NDF : 28471115601293395319294094609548836864.0/36

- sign -33.503 ± 0.000 χ^2/NDF : 3245866235786981

Left In: 0.009 ± 0.000 χ^2/NDF : 0.1/22

RTPPITA2CNT_mean vs Slug



Right In: -16.545 ± 0.000 χ^2/NDF : 2063896289787776370527787362746892288.0/31

Left Out: 0.009 ± 0.000 χ^2/NDF : 0.1/24

Right Out: -62.447 ± 0.000 χ^2/NDF : 28488556979324874243162655909356765184.0/36

Left In: 0.009 ± 0.000 χ^2/NDF : 0.1/22

+ sign -8.373 ± 0.000 χ^2/NDF : 2343920142408932

All: -20.987 ± 0.000 χ^2/NDF : 361203584733

- sign -33.518 ± 0.000 χ^2/NDF : 3247978169565478