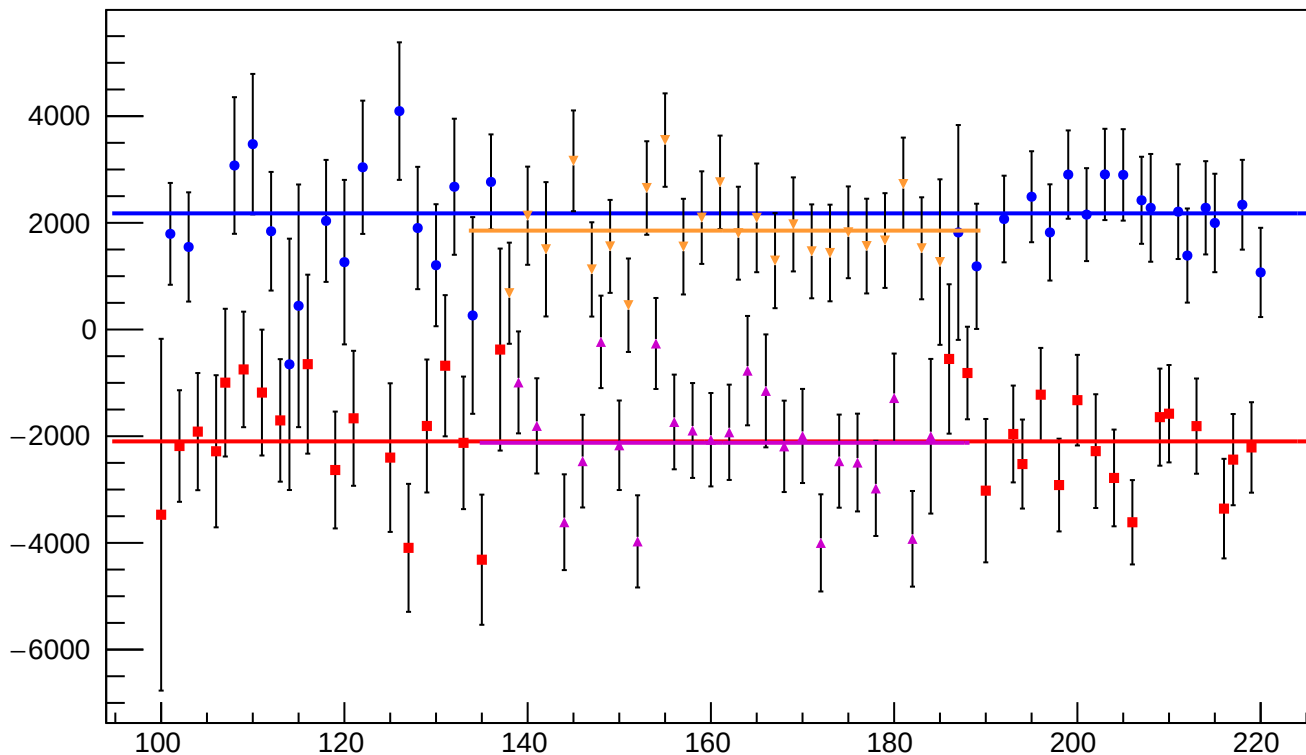


reg_asym_us_avg_mean vs Slug



Right In: 2177.670+/-178.193

χ^2/NDF : 15.6/32

Left Out: 1854.267+/-187.405

χ^2/NDF : 15.1/23

Right Out: -2097.149+/-178.658

χ^2/NDF : 26.2/34

Left In: -2123.138+/-188.684

χ^2/NDF : 32.0/22

+ sign 2024.112+/-129.136

χ^2/NDF : 32.3/56

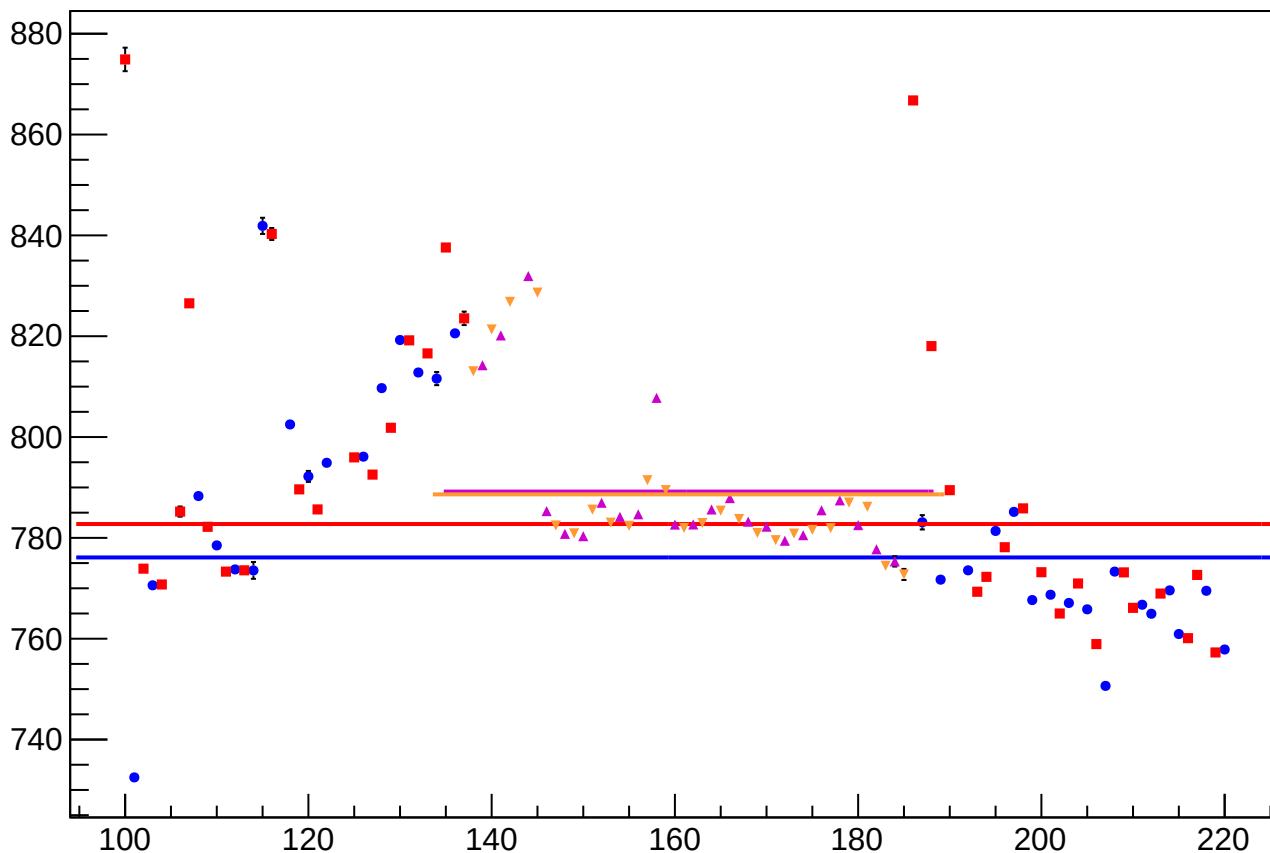
All: -33.171+/-91.522

χ^2/NDF : 600.5/114

- sign -2109.435+/-129.730

χ^2/NDF : 58.2/57

reg_asym_us_avg_rms vs Slug



Right In: 776.119 $\pm$ 0.126 χ^2 /NDF: 25704.1/32

Left Out: 788.629 $\pm$ 0.133 χ^2 /NDF:11478.1/23

Right Out: 782.747 $\pm$ 0.126 χ^2 /NDF: 34374.8/34

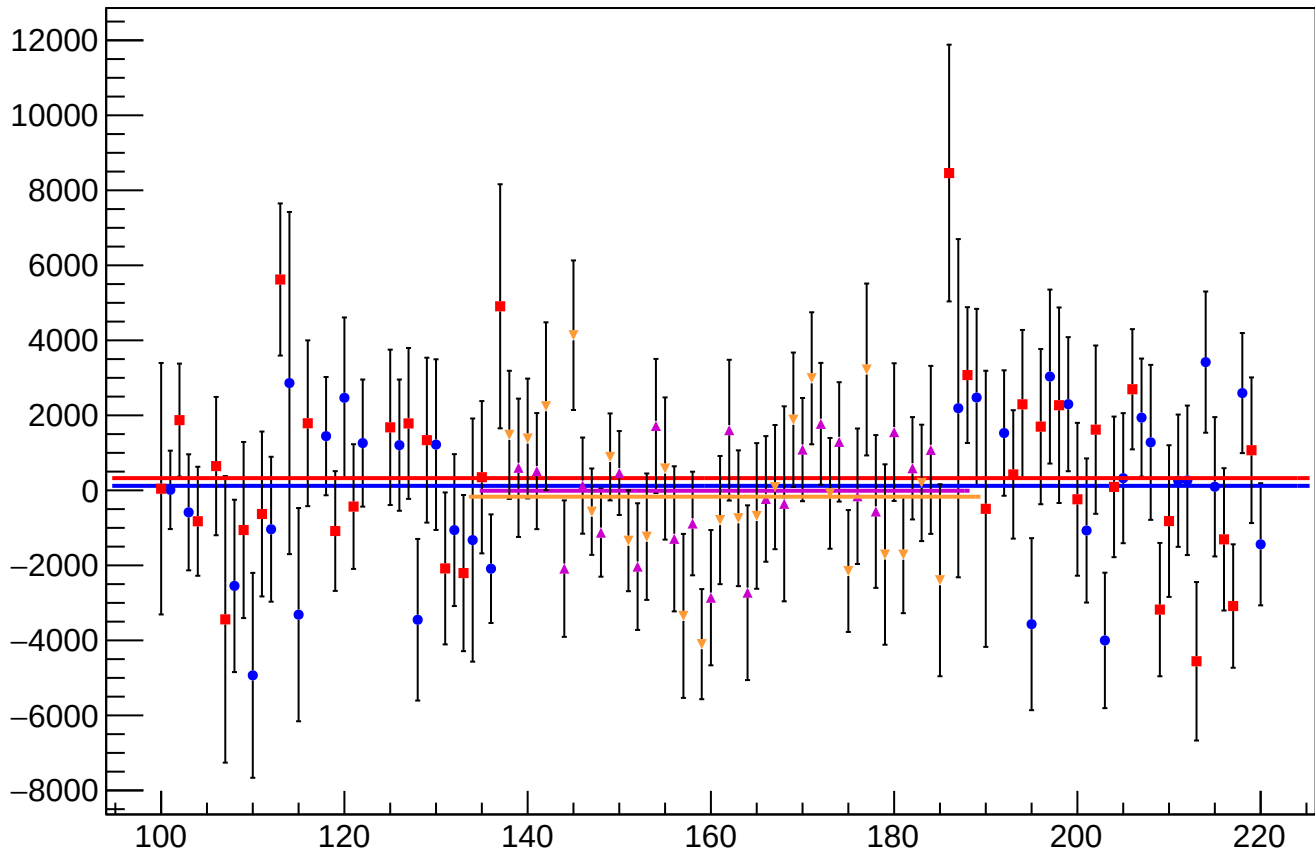
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

+ sign 782.059 $\pm$ 0.091 χ^2 /NDF: 41862.7/56

All: 783.916 $\pm$ 0.065 χ^2 /NDF: 89639.3/114

- sign 785.790 $\pm$ 0.092 χ^2 /NDF: 46945.7/57

asym_us_avg_correction_mean vs Slug



Right In: 120.474+/-327.019 χ^2/NDF : 37.0/32

Left Out: -169.172+/-340.391 χ^2/NDF :30.0/23

Right Out: 326.625+/-338.947 χ^2/NDF : 44.8/34

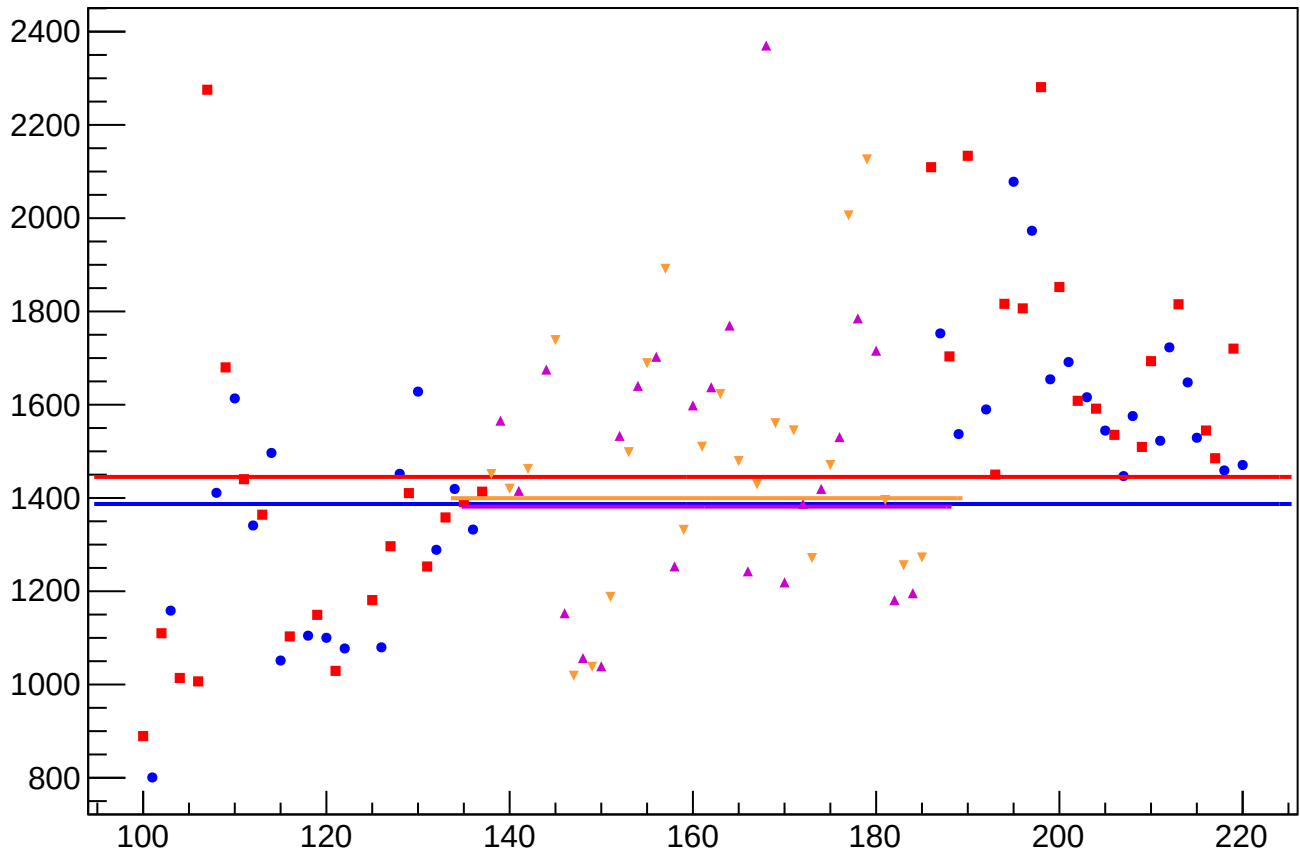
Left In: -10.093+/-337.810 χ^2/NDF :14.2/22

+ sign -18.548+/-235.823 χ^2/NDF : 67.3/56

All: 68.298+/-167.957 χ^2/NDF : 127.2/114

- sign 157.700+/-239.269 χ^2/NDF : 59.5/57

asym_us_avg_correction_rms vs Slug



Right In: 1387.128 $\pm$ 0.231 χ^2 /NDF: 1628874.6/32

Left Out: 1399.587 $\pm$ 0.241 χ^2 /NDF:1119125.1/23

+ sign 1393.108 $\pm$ 0.167 χ^2 /NDF: 2749393.1/56

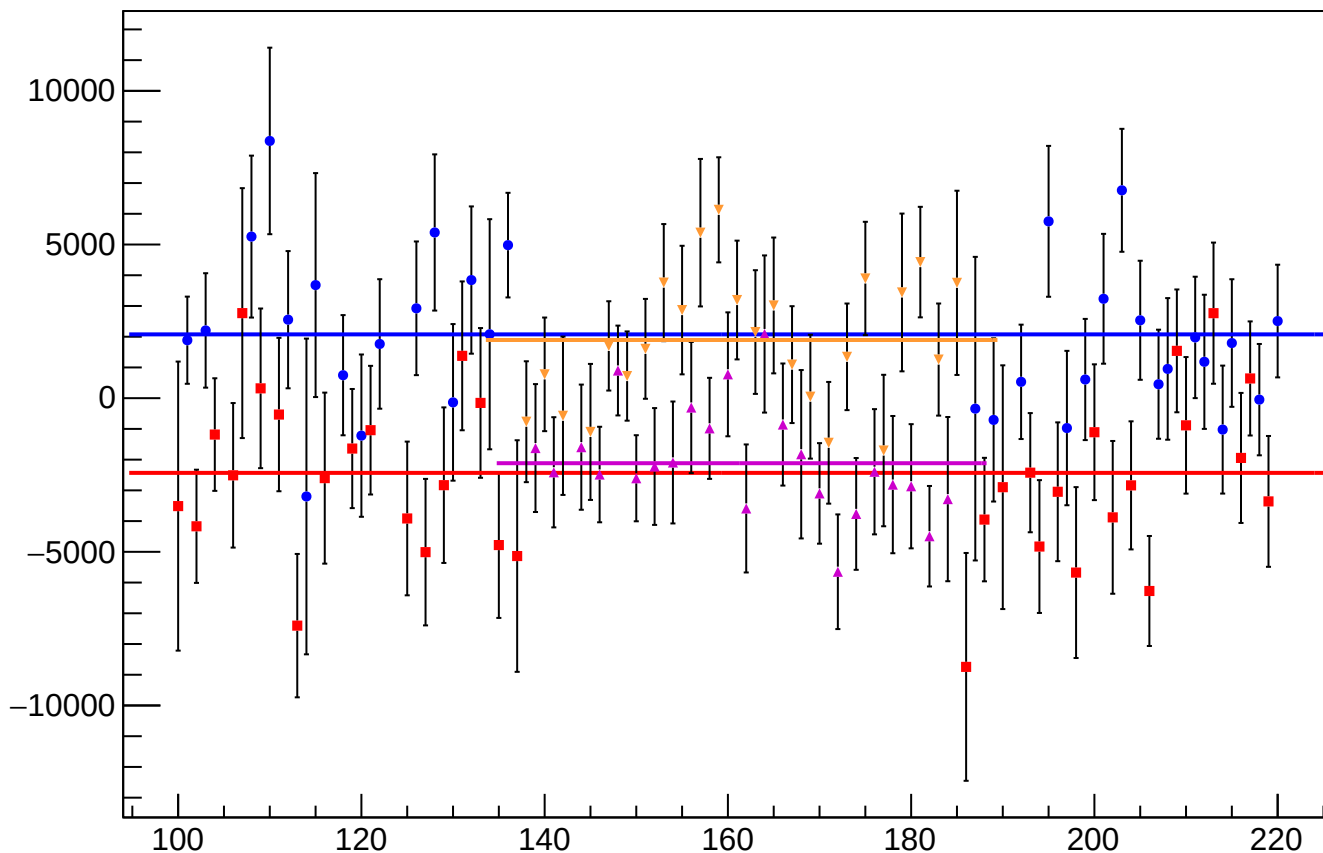
Right Out: 1445.191 $\pm$ 0.240 χ^2 /NDF: 1641940.0/34

All: 1402.992 $\pm$ 0.119 χ^2 /NDF: 5710537.4/11

Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF:1276488.2/22

- sign 1413.167 $\pm$ 0.169 χ^2 /NDF: 2954013.6/57

asym_us_avg_mean vs Slug



Right In: 2076.025 $\pm$ 380.043 χ^2 /NDF: 32.2/32

Left Out: 1893.469 $\pm$ 394.877 χ^2 /NDF:25.9/23

Right Out: -2430.897 $\pm$ 390.746 χ^2 /NDF: 40.3/34

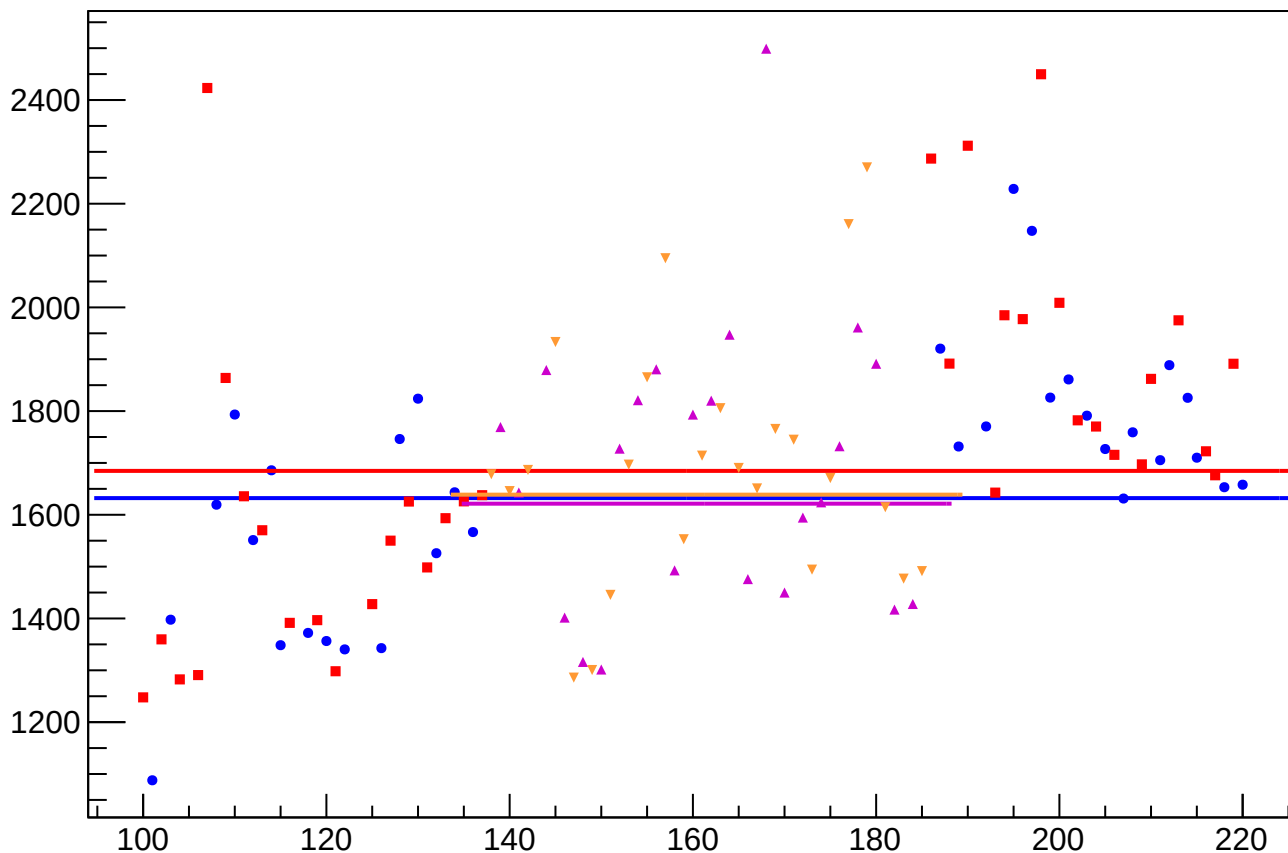
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1988.240 $\pm$ 273.825 χ^2 /NDF: 58.3/56

All: -117.812 $\pm$ 194.768 χ^2 /NDF: 237.4/114

- sign -2274.409 $\pm$ 277.092 χ^2 /NDF: 59.4/57

asym_us_avg_rms vs Slug



Right In: 1632.148 $\pm$ 0.269 χ^2 /NDF: 840387.0/32

Left Out: 1638.806 $\pm$ 0.279 χ^2 /NDF: 671906.6/23

Right Out: 1684.645 $\pm$ 0.276 χ^2 /NDF: 955318.1/34

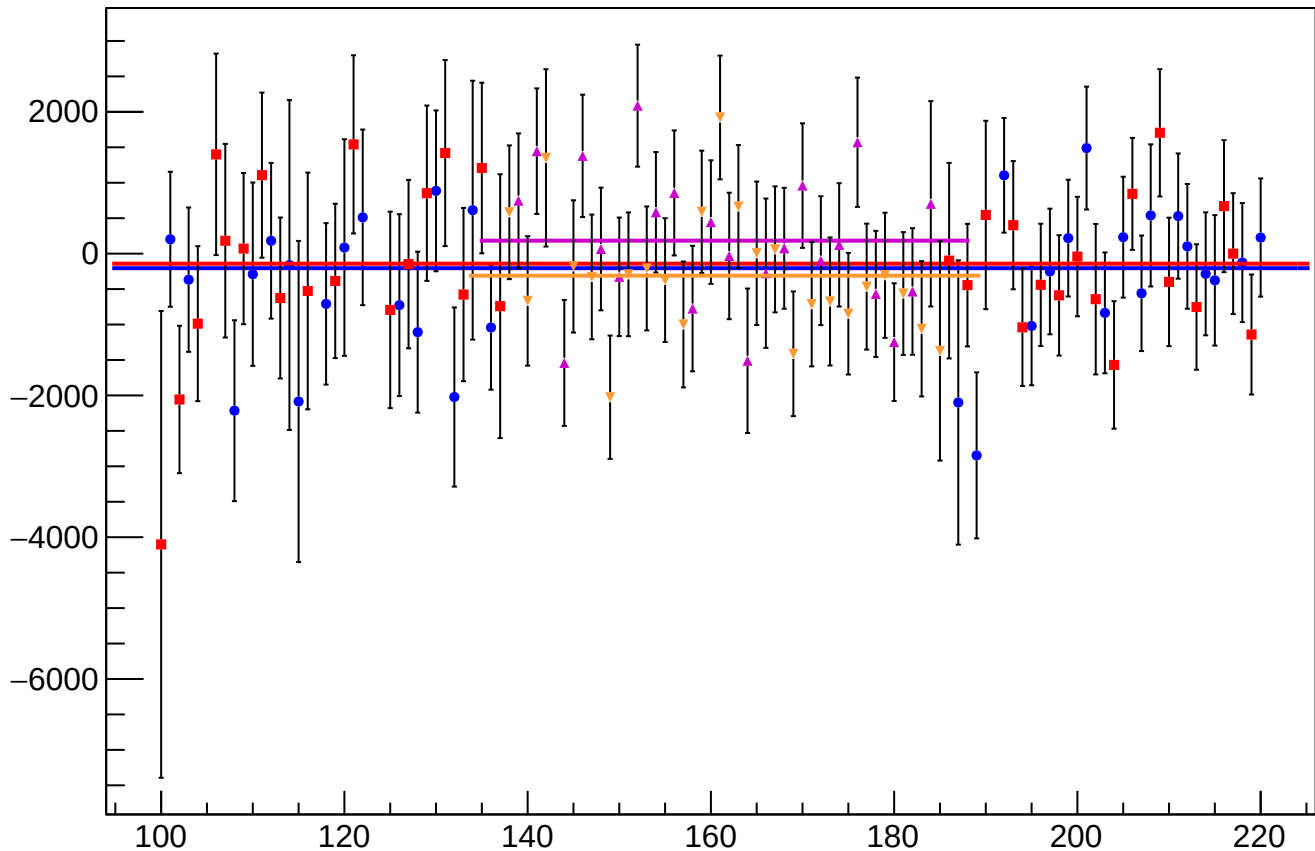
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1635.350 $\pm$ 0.194 χ^2 /NDF: 1512588.8/56

All: 1644.175 $\pm$ 0.138 χ^2 /NDF: 3273455.2/11

- sign 1653.212 $\pm$ 0.196 χ^2 /NDF: 1756661.3/57

reg_asym_us_dd_mean vs Slug



Right In: -205.356+/-176.951 χ^2/NDF : 25.3/32

Left Out: -310.563+/-186.538 χ^2/NDF : 20.0/23

Right Out: -141.502+/-177.126 χ^2/NDF : 27.3/34

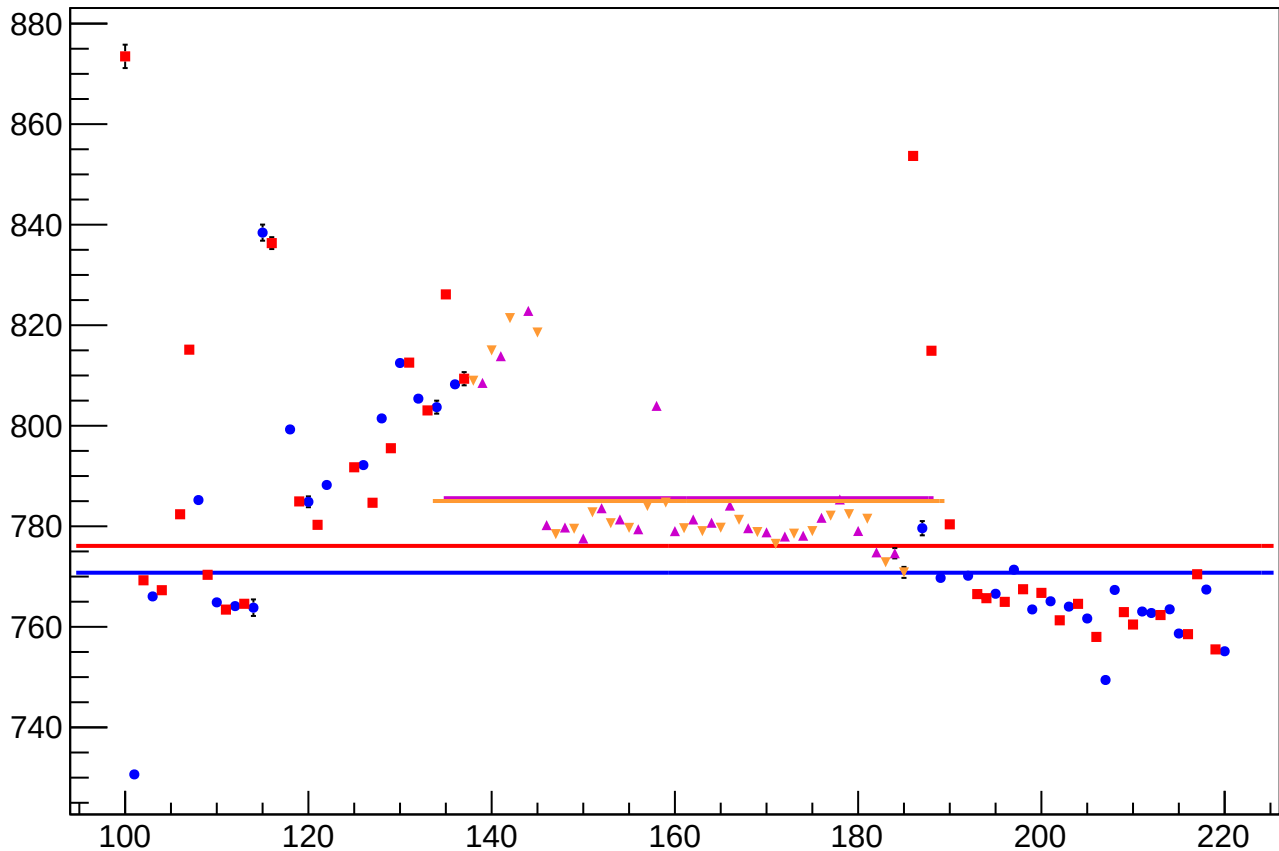
Left In: 182.895+/-187.817 χ^2/NDF : 26.1/22

+ sign -255.187+/-128.379 χ^2/NDF : 45.5/56

All: -122.492+/-90.947 χ^2/NDF : 102.7/114

- sign 11.201+/-128.861 χ^2/NDF : 55.0/57

reg_asym_us_dd_rms vs Slug



Right In: 770.766 $\pm$ 0.125 χ^2 /NDF: 21736.3/32

Left Out: 785.031 $\pm$ 0.132 χ^2 /NDF:9367.9/23

Right Out: 776.101 $\pm$ 0.125 χ^2 /NDF: 31333.8/34

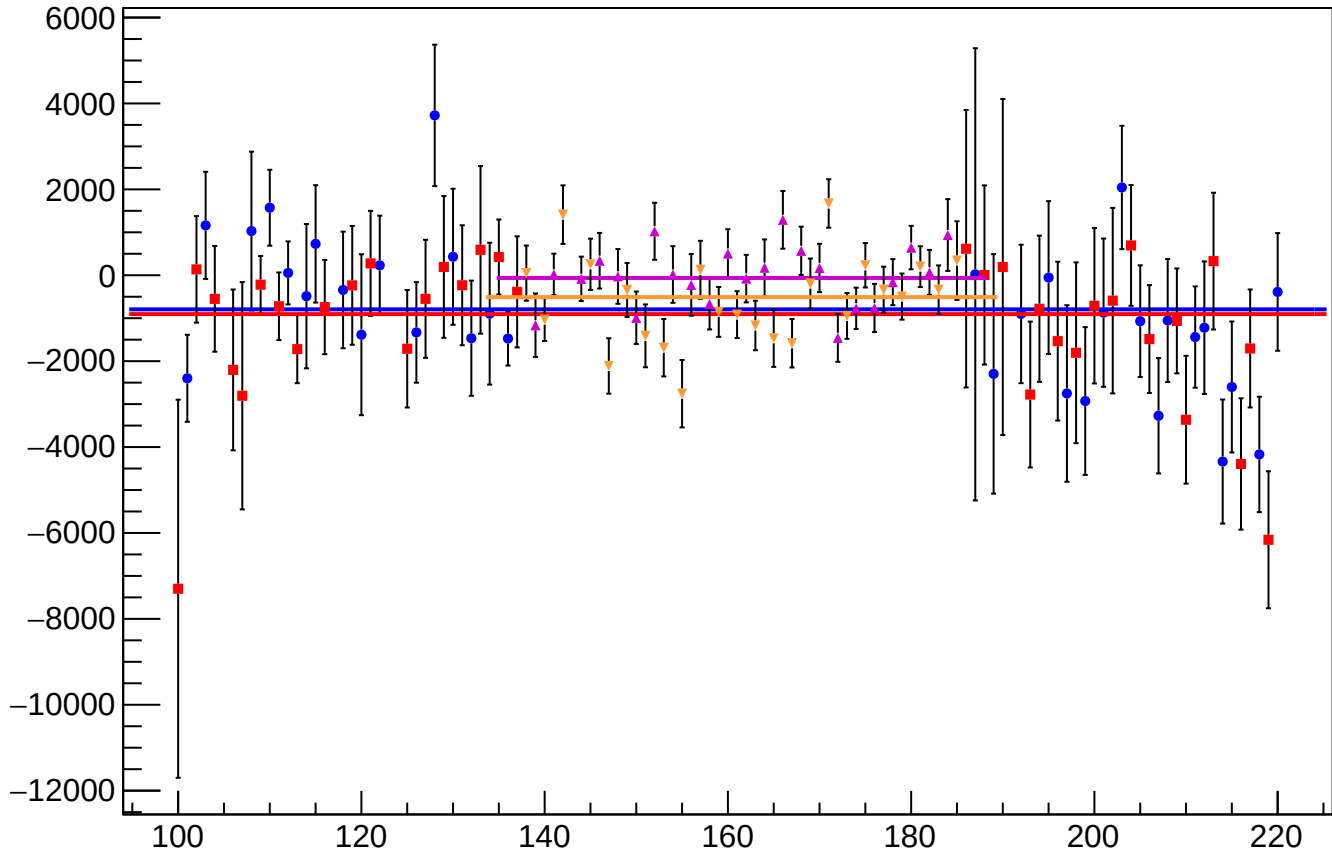
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF:9373.7/22

+ sign 777.522 $\pm$ 0.091 χ^2 /NDF: 37260.2/56

All: 779.040 $\pm$ 0.064 χ^2 /NDF: 81231.7/114

- sign 780.569 $\pm$ 0.091 χ^2 /NDF: 43410.4/57

asym_us_dd_correction_mean vs Slug



Right In: -794.252 $\pm$ 226.467 χ^2/NDF : 51.0/32

Left Out: -509.311 $\pm$ 121.190 χ^2/NDF : 60.5/23

Right Out: -904.953 $\pm$ 226.375 χ^2/NDF : 34.7/34

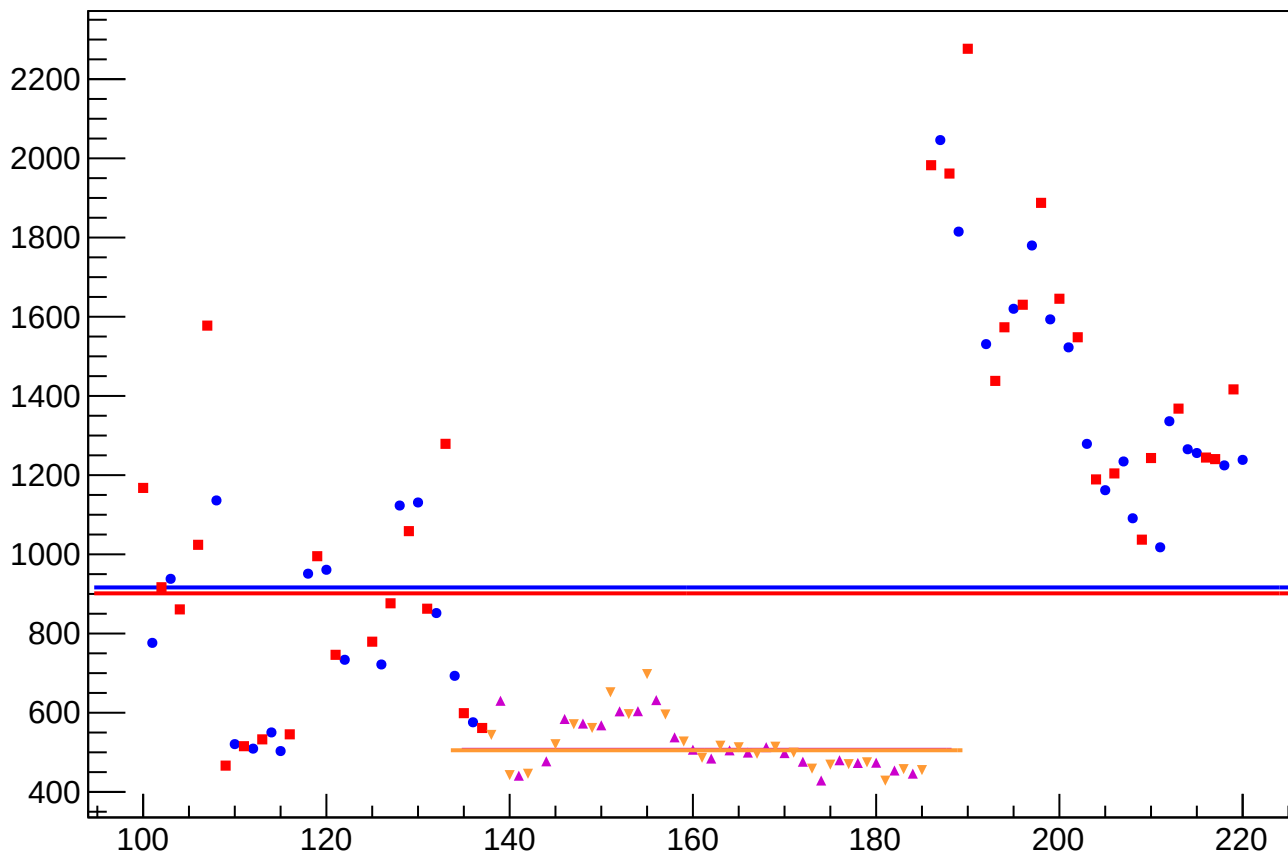
Left In: -62.768 $\pm$ 122.045 χ^2/NDF : 28.8/22

+ sign -572.744 $\pm$ 106.853 χ^2/NDF : 112.8/56

All: -413.446 $\pm$ 75.759 χ^2/NDF : 191.5/114

- sign -252.430 $\pm$ 107.428 χ^2/NDF : 74.2/57

asym_us_dd_correction_rms vs Slug



Right In: 916.446 $\pm$ 0.160 χ^2 /NDF: 4914763.5/32

Left Out: 505.220 $\pm$ 0.086 χ^2 /NDF: 485593.0/23

Right Out: 901.440 $\pm$ 0.160 χ^2 /NDF: 6355392.8/34

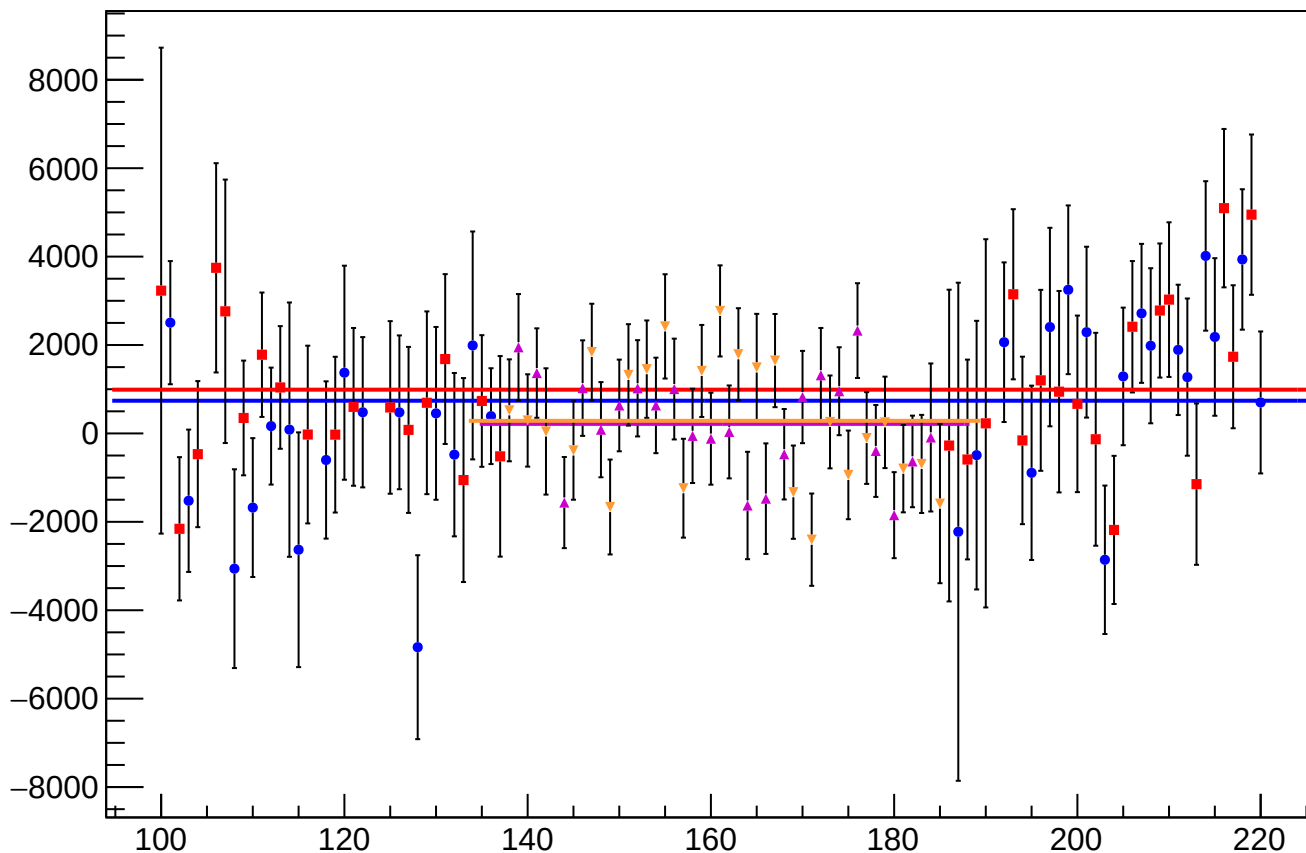
Left In: 506.380 $\pm$ 0.086 χ^2 /NDF: 436294.4/22

+ sign 596.766 $\pm$ 0.076 χ^2 /NDF: 10526782.9/56

All: 596.061 $\pm$ 0.054 χ^2 /NDF: 22038043.2/11

- sign 595.349 $\pm$ 0.076 χ^2 /NDF: 11511085.3/57

asym_us_dd_mean vs Slug



Right In: 739.716 $\pm$ 309.273 χ^2 /NDF: 39.9/32

Left Out: 285.144 $\pm$ 224.378 χ^2 /NDF: 38.3/23

Right Out: 989.872 $\pm$ 315.228 χ^2 /NDF: 30.7/34

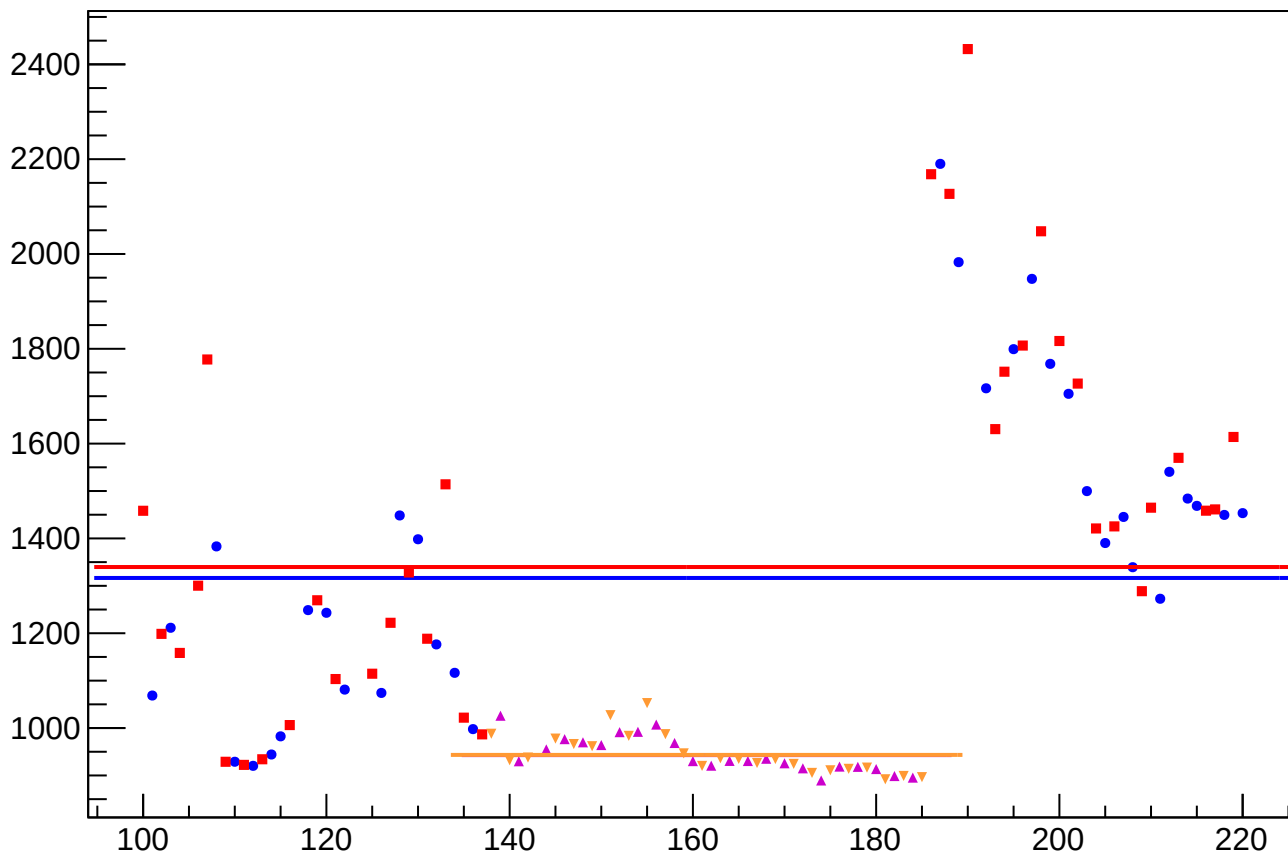
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF: 24.4/22

+ sign 441.900 $\pm$ 181.615 χ^2 /NDF: 79.5/56

All: 459.864 $\pm$ 129.068 χ^2 /NDF: 138.7/114

- sign 478.195 $\pm$ 183.458 χ^2 /NDF: 59.1/57

asym_us_dd_rms vs Slug



Right In: 1316.596 $\pm$ 0.219 χ^2 /NDF: 1581304.4/32

Left Out: 943.351 $\pm$ 0.159 χ^2 /NDF: 60365.2/23

Right Out: 1339.670 $\pm$ 0.223 χ^2 /NDF: 2137984.0/34

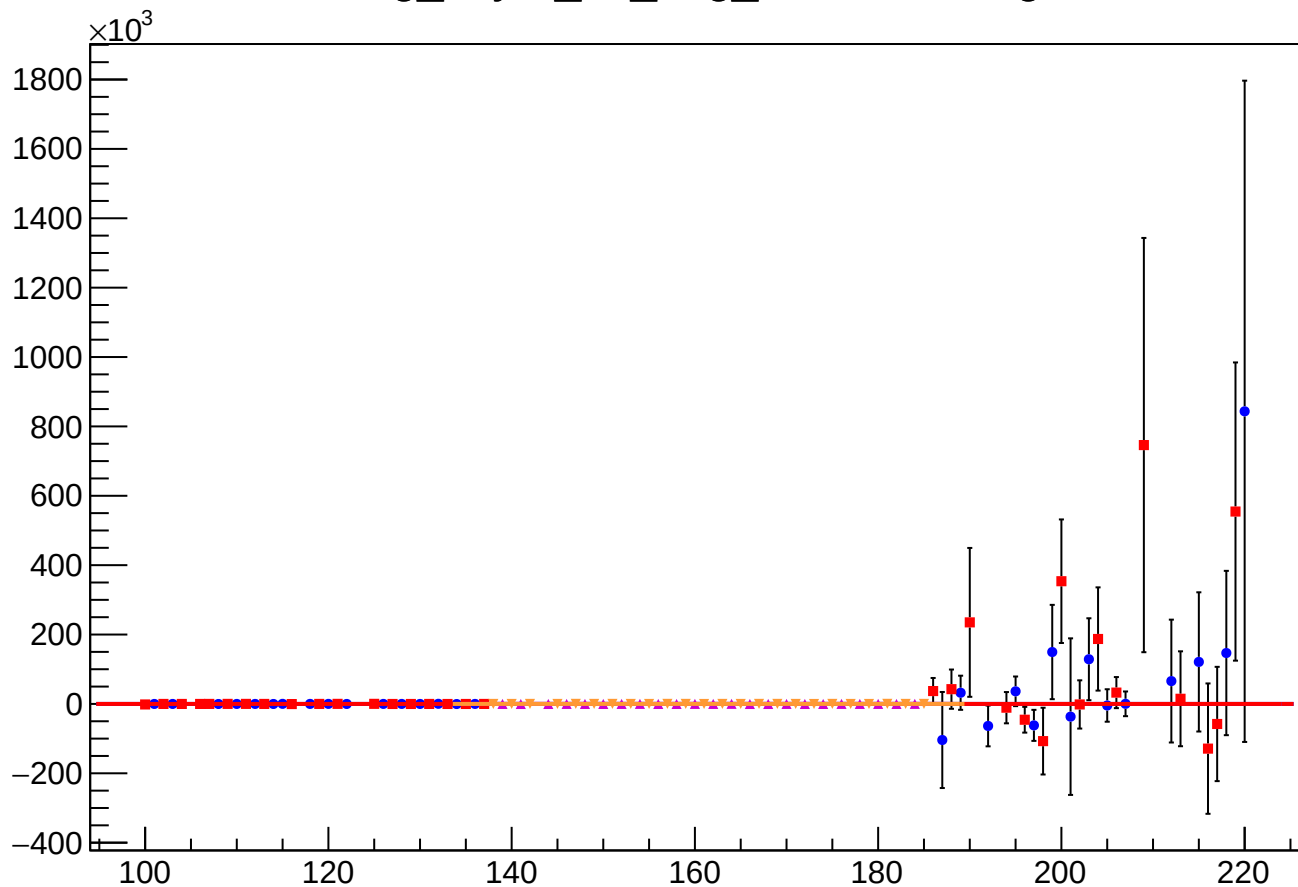
Left In: 942.927 $\pm$ 0.160 χ^2 /NDF: 48402.9/22

+ sign 1072.061 $\pm$ 0.128 χ^2 /NDF: 3550117.4/56

All: 1074.657 $\pm$ 0.091 χ^2 /NDF: 7832372.3/11

- sign 1077.306 $\pm$ 0.130 χ^2 /NDF: 4281429.5/57

reg_asym_ds_avg_mean vs Slug



Right In: -15.549 ± 30.032 χ^2/NDF : 24.9/29

Left Out: 3.710 ± 21.467 χ^2/NDF : 22.4/23

Right Out: -31.726 ± 30.492 χ^2/NDF : 32.2/32

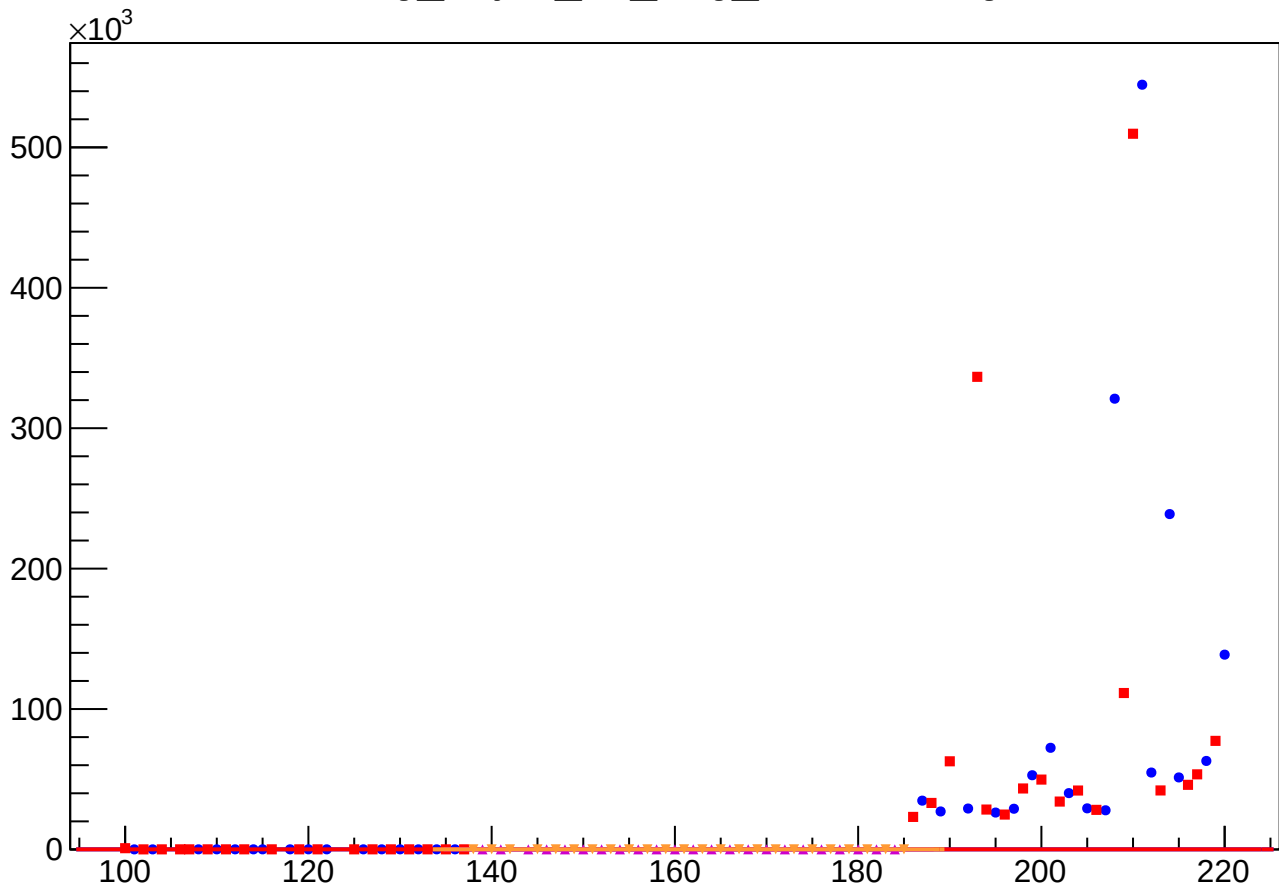
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.803 ± 17.464 χ^2/NDF : 47.6/53

All: 0.909 ± 12.403 χ^2/NDF : 104.5/109

- sign 4.685 ± 17.617 χ^2/NDF : 56.9/55

reg_asym_ds_avg_rms vs Slug



Right In: 76.143 $\pm$ 0.021 χ^2/NDF : 6985508.9/32

Left Out: 89.692 $\pm$ 0.015 χ^2/NDF : 466281.5/23

Right Out: 79.462 $\pm$ 0.022 χ^2/NDF : 6633733.1/34

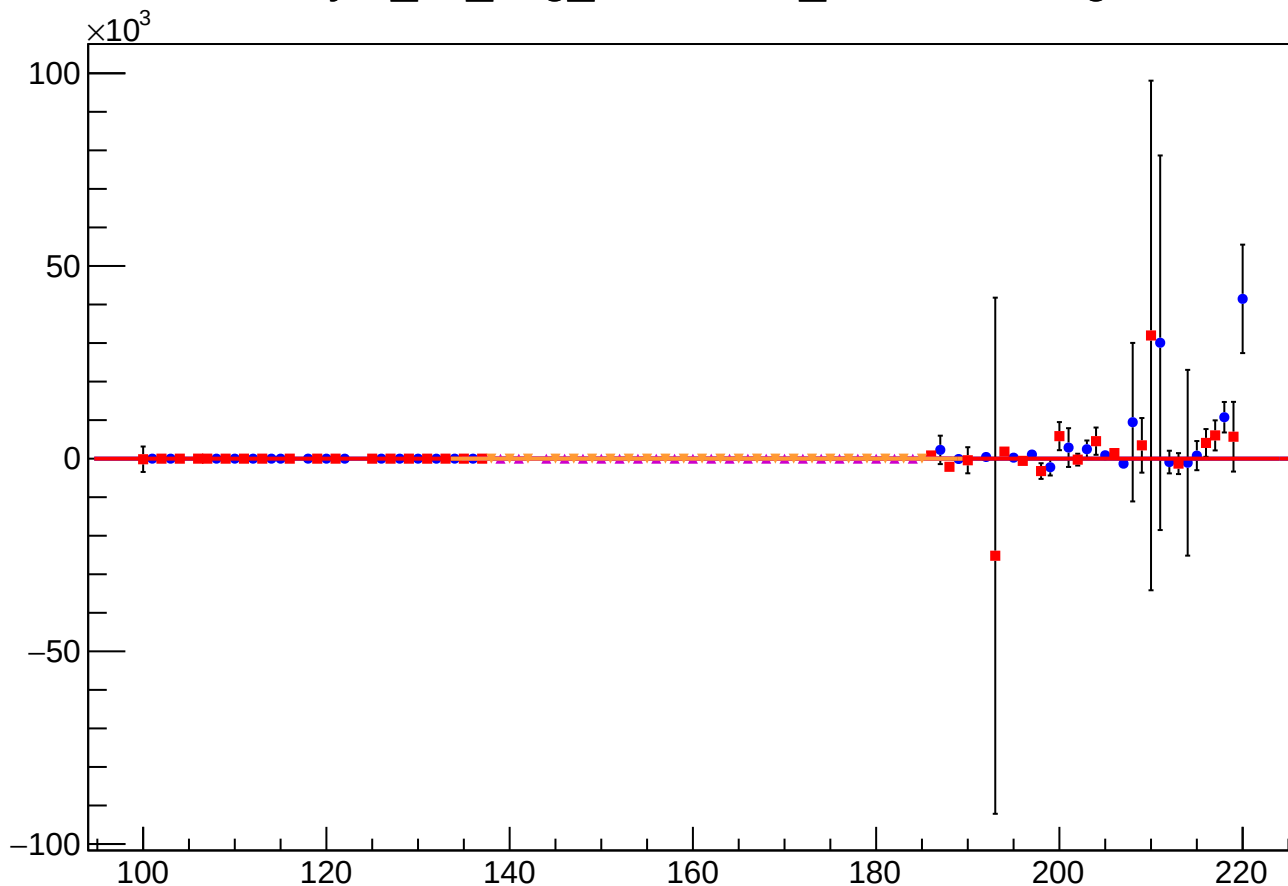
Left In: 89.596 $\pm$ 0.015 χ^2/NDF : 508511.1/22

+ sign 85.110 $\pm$ 0.012 χ^2/NDF : 7721195.7/56

All: 85.657 $\pm$ 0.009 χ^2/NDF : 15014556.2/114

- sign 86.213 $\pm$ 0.012 χ^2/NDF : 7289411.7/57

asym_ds_avg_correction_mean vs Slug



Right In: -0.289 ± 0.502 χ^2/NDF : 47.7/32

Left Out: 0.126 ± 0.377 χ^2/NDF : 21.3/23

Right Out: -0.038 ± 0.525 χ^2/NDF : 33.8/34

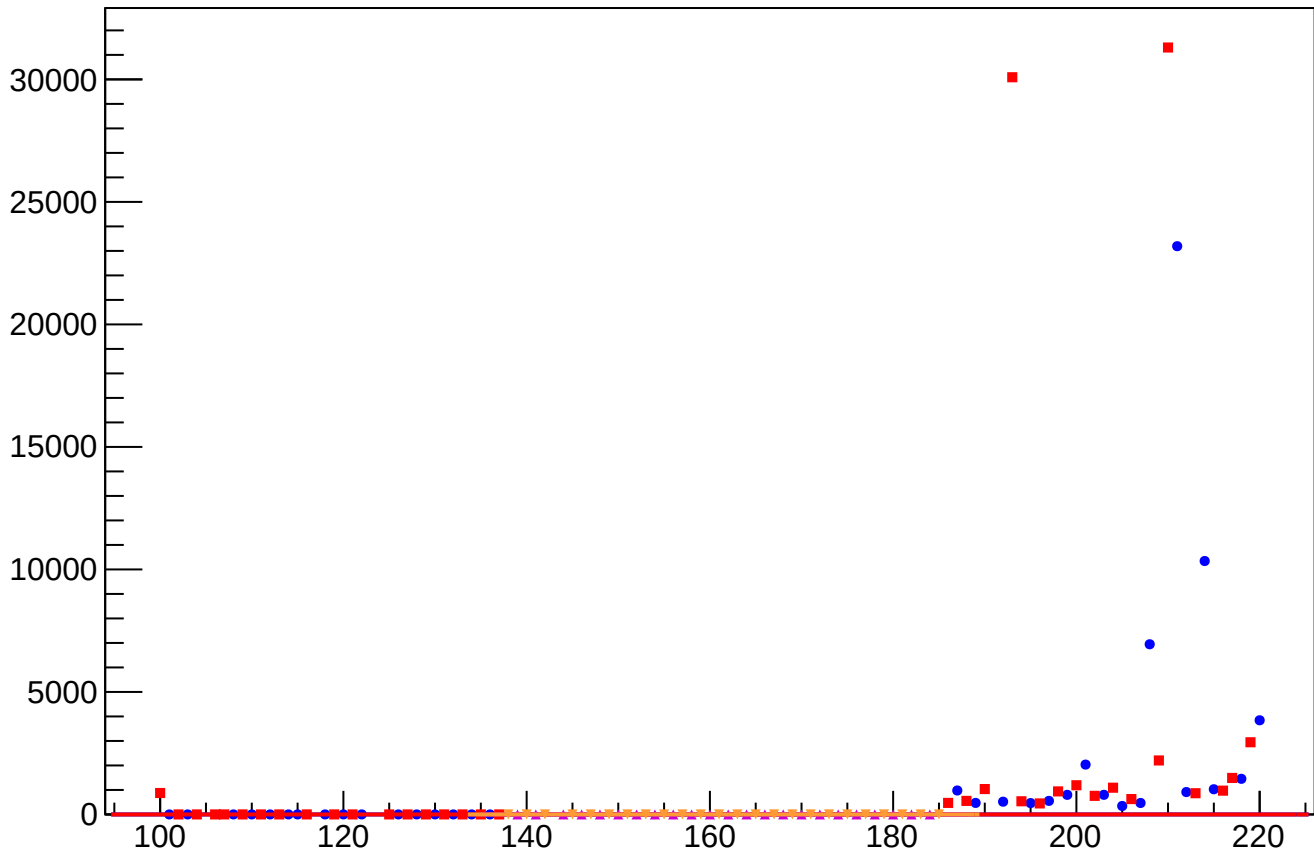
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 ± 0.301 χ^2/NDF : 69.4/56

All: 0.144 ± 0.217 χ^2/NDF : 130.9/114

- sign 0.323 ± 0.312 χ^2/NDF : 60.8/57

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 7138312.0/32

Left Out: 1.408+/-0.000 χ^2/NDF : 987553.0/23

Right Out: 1.260+/-0.000 χ^2/NDF : 7465685.4/34

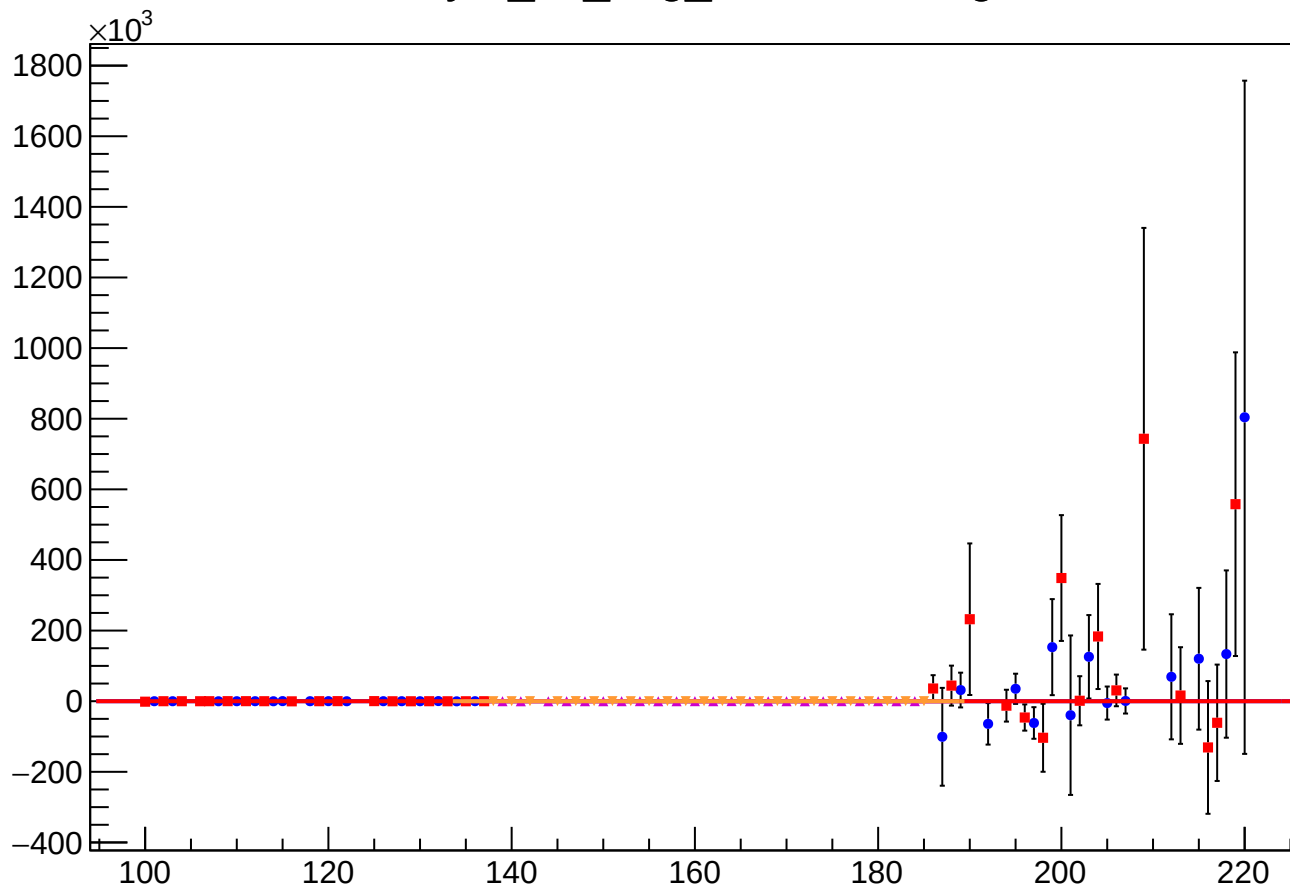
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 8456336.3/56

All: 1.350+/-0.000 χ^2/NDF : 17143413.4/114

- sign 1.385+/-0.000 χ^2/NDF : 8636458.2/57

asym_ds_avg_mean vs Slug



Right In: -14.487 ± 30.040 χ^2/NDF : 24.9/29

Left Out: 3.497 ± 21.474 χ^2/NDF : 22.1/23

Right Out: -32.007 ± 30.500 χ^2/NDF : 31.9/32

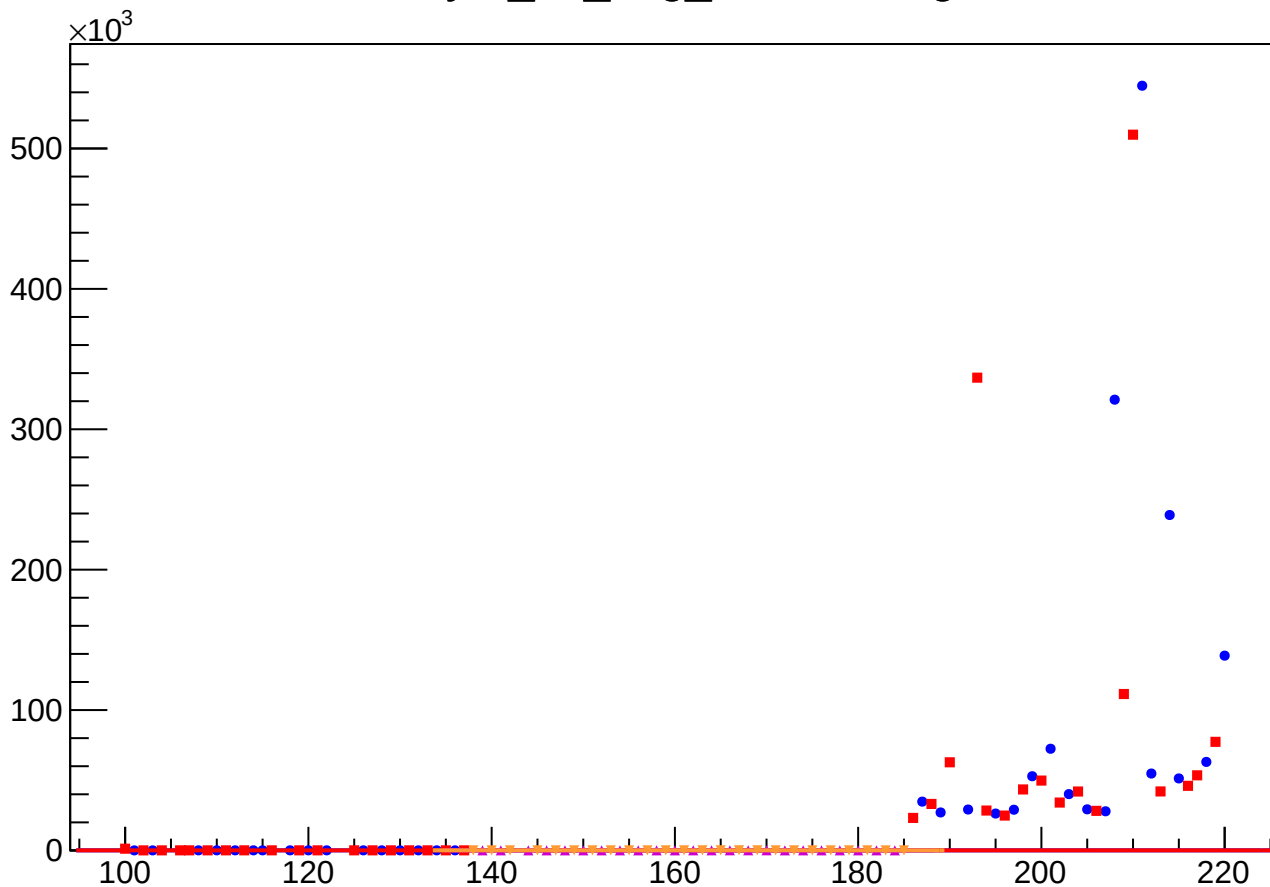
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -2.585 ± 17.470 χ^2/NDF : 47.3/53

All: 0.811 ± 12.407 χ^2/NDF : 103.7/109

- sign 4.267 ± 17.623 χ^2/NDF : 56.4/55

asym_ds_avg_rms vs Slug



Right In: 76.163 $\pm$ 0.021 χ^2 /NDF: 6985637.0/32

Left Out: 89.719 $\pm$ 0.015 χ^2 /NDF: 467023.5/23

Right Out: 79.465 $\pm$ 0.022 χ^2 /NDF: 6640364.9/34

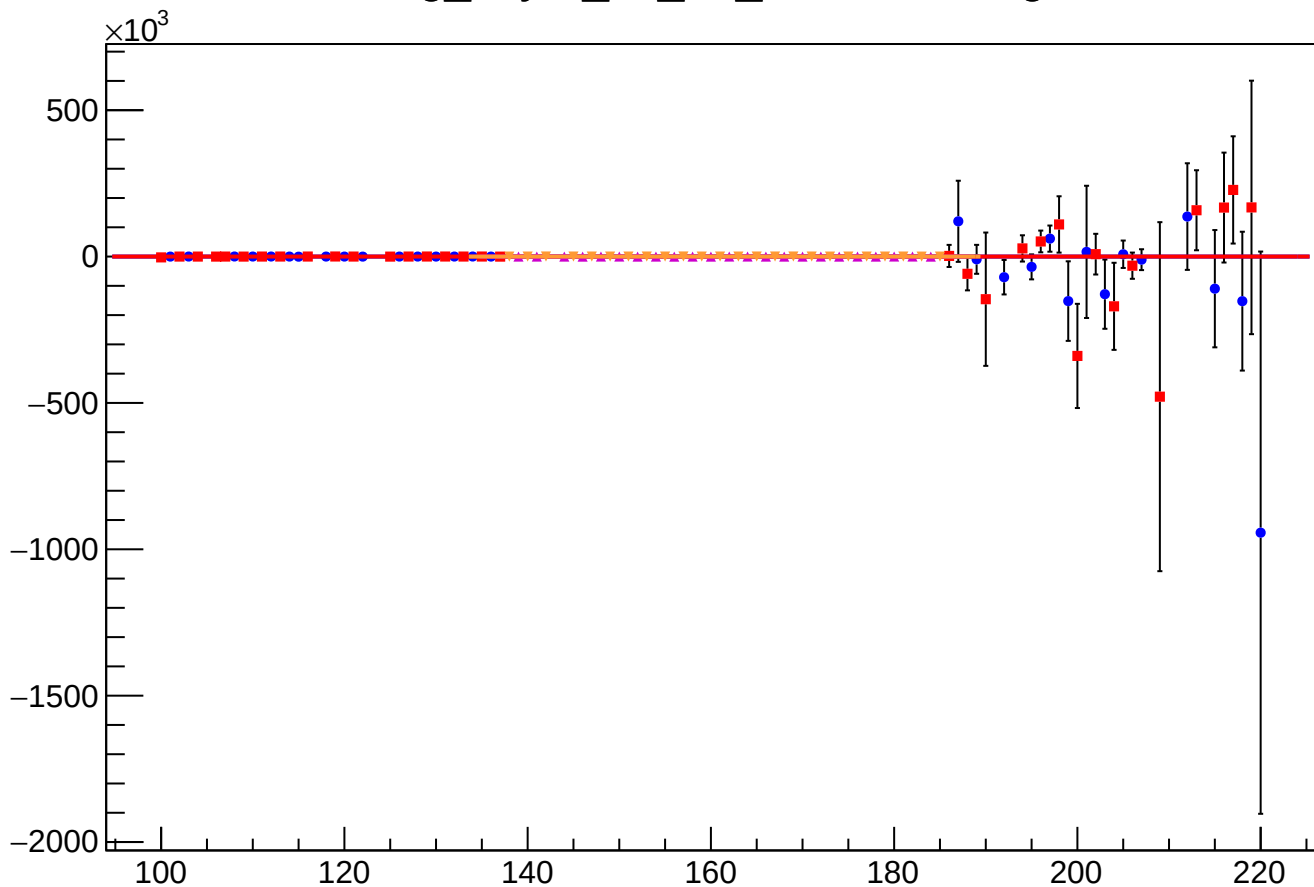
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.134 $\pm$ 0.012 χ^2 /NDF: 7722193.4/56

All: 85.678 $\pm$ 0.009 χ^2 /NDF: 15023615.9/114

- sign 86.231 $\pm$ 0.012 χ^2 /NDF: 7297514.4/57

reg_asym_ds_dd_mean vs Slug



Right In: 8.086 ± 30.012 χ^2/NDF : 23.6/29

Left Out: 15.274 ± 21.472 χ^2/NDF : 17.2/23

Right Out: 25.803 ± 30.473 χ^2/NDF : 27.8/32

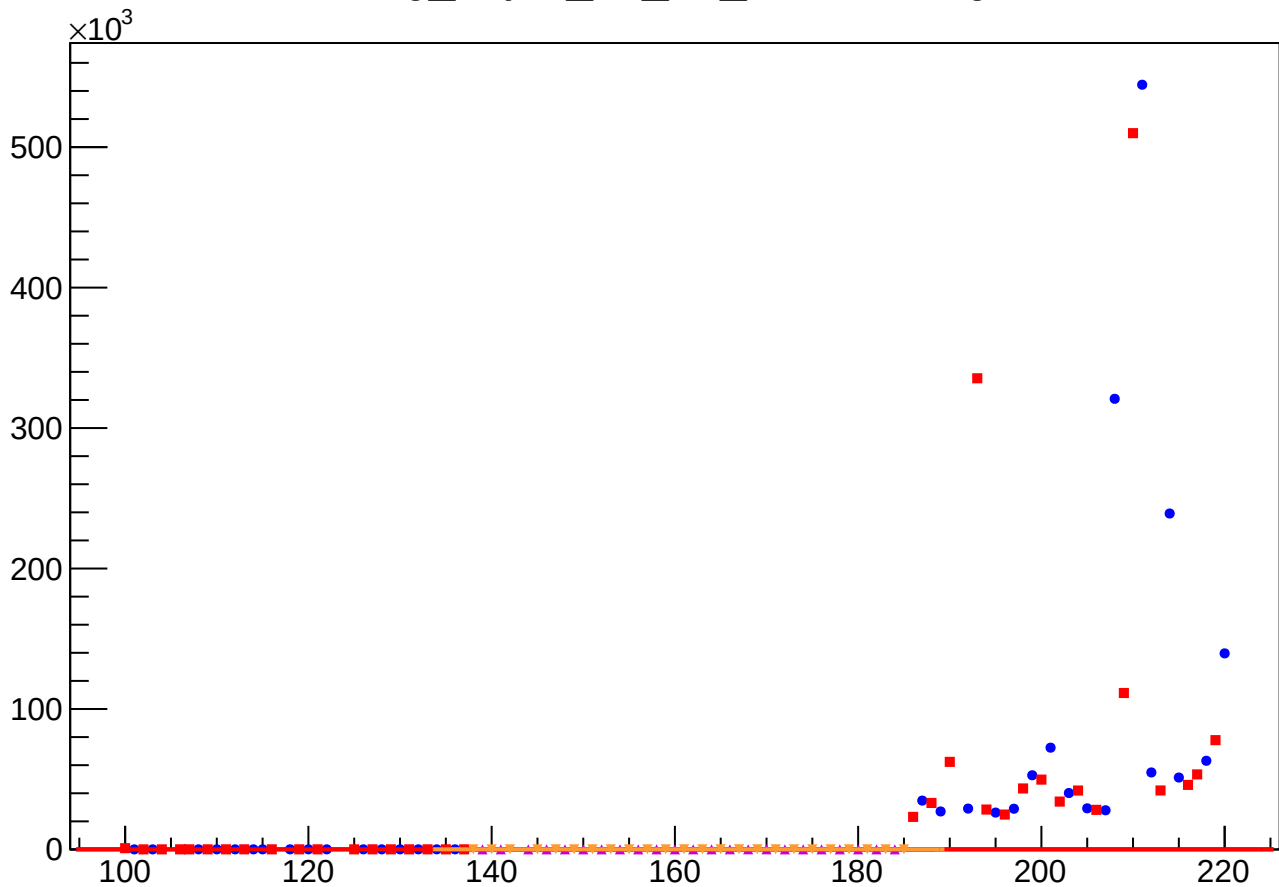
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.840 ± 17.463 χ^2/NDF : 40.8/53

All: -3.575 ± 12.403 χ^2/NDF : 105.3/109

- sign -20.283 ± 17.618 χ^2/NDF : 62.7/55

reg_asym_ds_dd_rms vs Slug



Right In: 76.094 $\pm$ 0.021 χ^2 /NDF: 6985314.9/32

Left Out: 89.712 $\pm$ 0.015 χ^2 /NDF: 465096.2/23

Right Out: 79.413 $\pm$ 0.022 χ^2 /NDF: 6633089.1/34

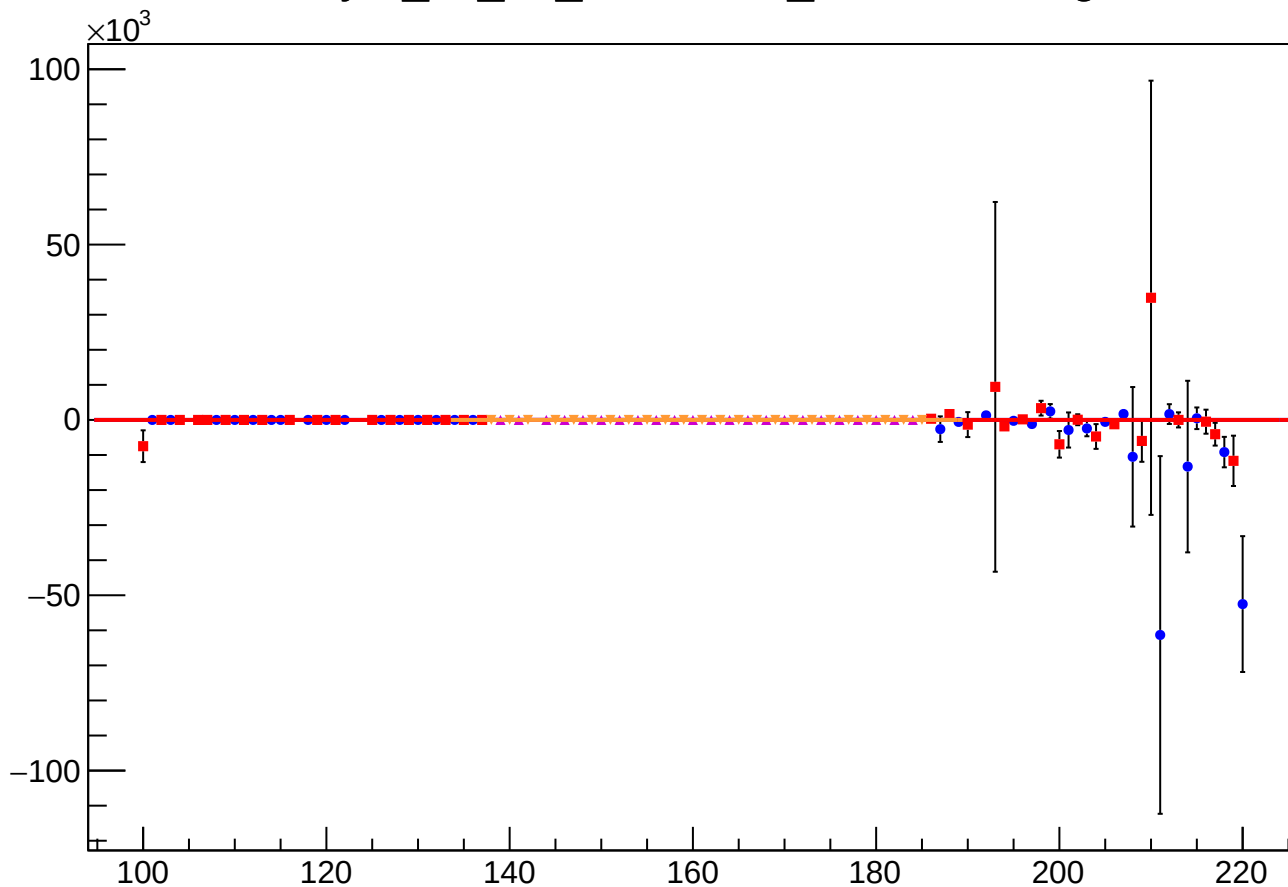
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.101 $\pm$ 0.012 χ^2 /NDF: 7722774.7/56

All: 85.652 $\pm$ 0.009 χ^2 /NDF: 15020527.8/114

- sign 86.213 $\pm$ 0.012 χ^2 /NDF: 7293736.1/57

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 39.6/32

Left Out: -0.516 ± 0.391 χ^2/NDF : 20.7/23

Right Out: -0.348 ± 0.549 χ^2/NDF : 36.2/34

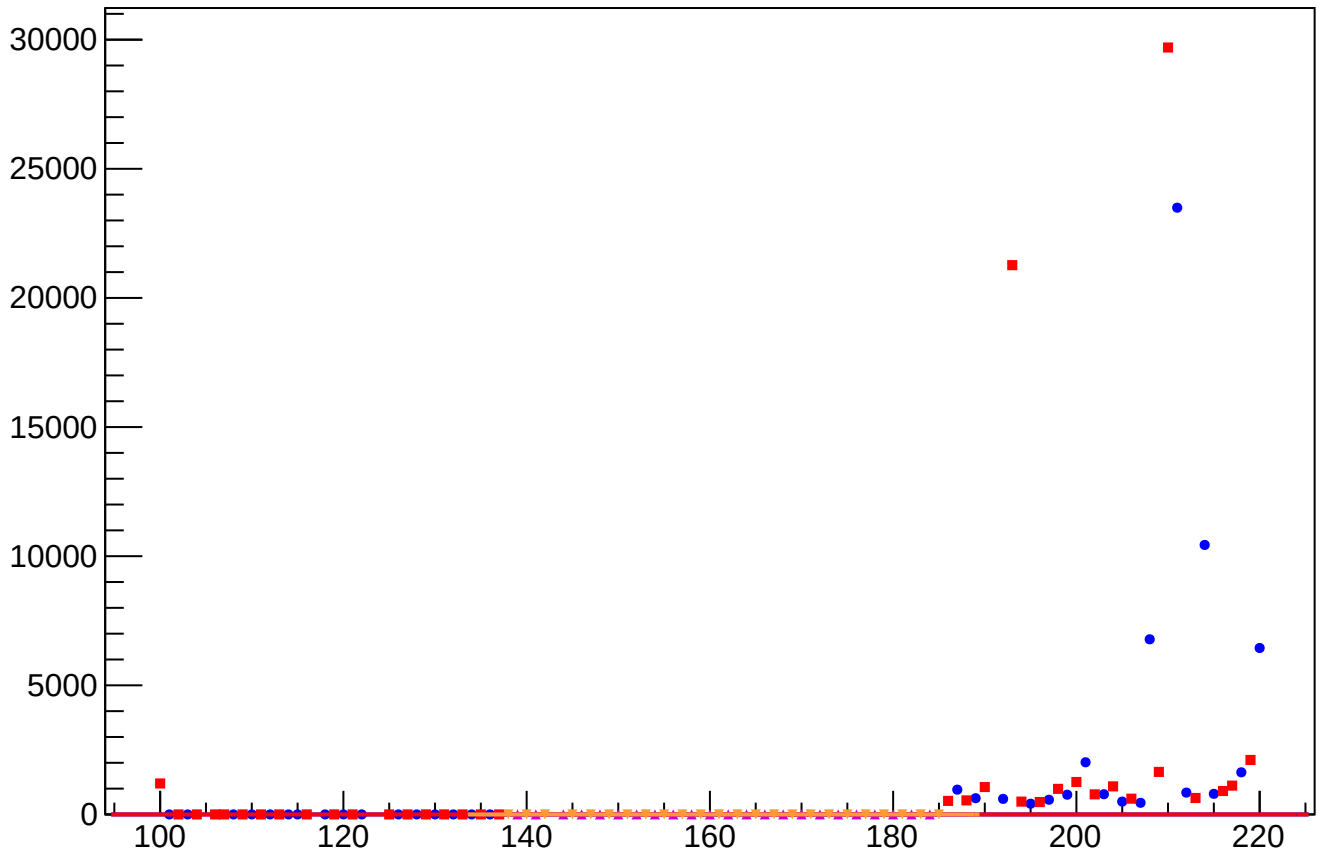
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 64.9/56

All: -0.045 ± 0.224 χ^2/NDF : 121.9/114

- sign -0.070 ± 0.318 χ^2/NDF : 57.0/57

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 7452343.3/32

Left Out: 1.470+/-0.000 χ^2/NDF :1154842.2/23

Right Out: 1.317+/-0.000 χ^2/NDF : 7259880.0/34

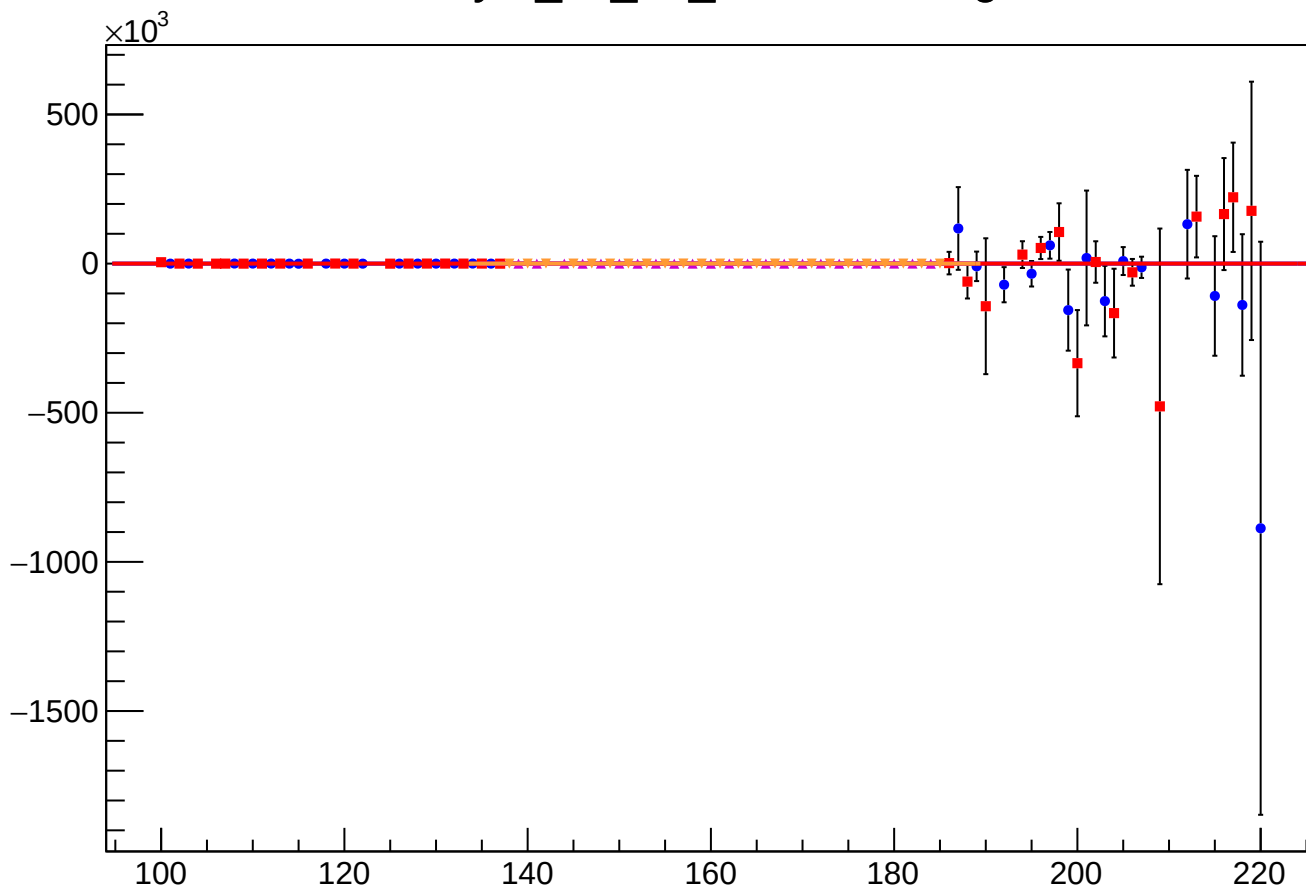
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 8862868.2/56

All: 1.400+/-0.000 χ^2/NDF : 17269534.5/114

- sign 1.413+/-0.000 χ^2/NDF : 8400357.3/57

asym_ds_dd_mean vs Slug



Right In: 7.378 ± 30.020 $\chi^2/\text{NDF}: 23.2/29$

Left Out: 15.770 ± 21.479 $\chi^2/\text{NDF}: 17.1/23$

Right Out: 26.413 ± 30.482 $\chi^2/\text{NDF}: 27.8/32$

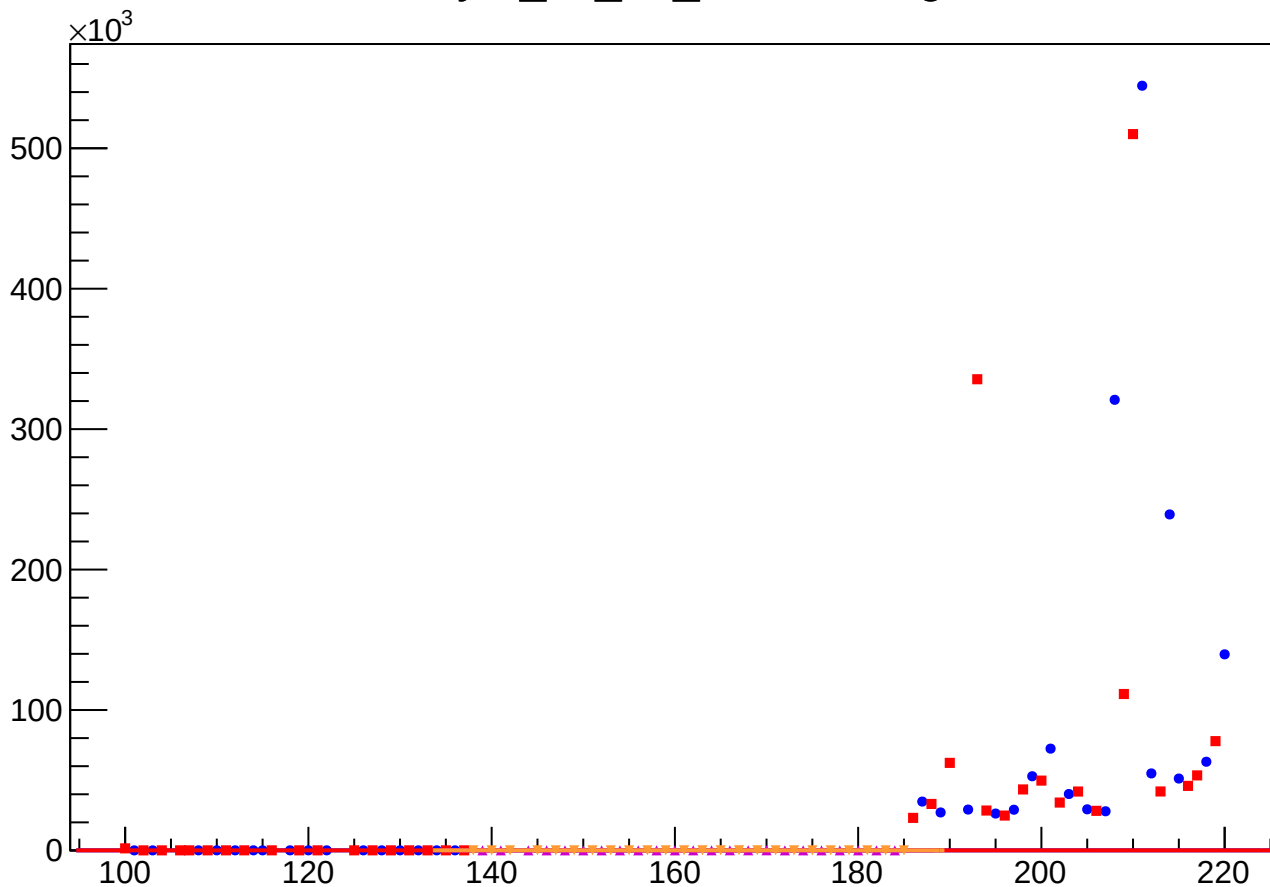
Left In: -43.905 ± 21.600 $\chi^2/\text{NDF}: 31.1/22$

+ sign 12.929 ± 17.468 $\chi^2/\text{NDF}: 40.3/53$

All: -3.587 ± 12.407 $\chi^2/\text{NDF}: 104.6/109$

- sign -20.399 ± 17.624 $\chi^2/\text{NDF}: 62.4/55$

asym_ds_dd_rms vs Slug



Right In: 76.114 $\pm$ 0.021 χ^2 /NDF: 6985506.8/32

Left Out: 89.740 $\pm$ 0.015 χ^2 /NDF: 465842.6/23

Right Out: 79.410 $\pm$ 0.022 χ^2 /NDF: 6642404.3/34

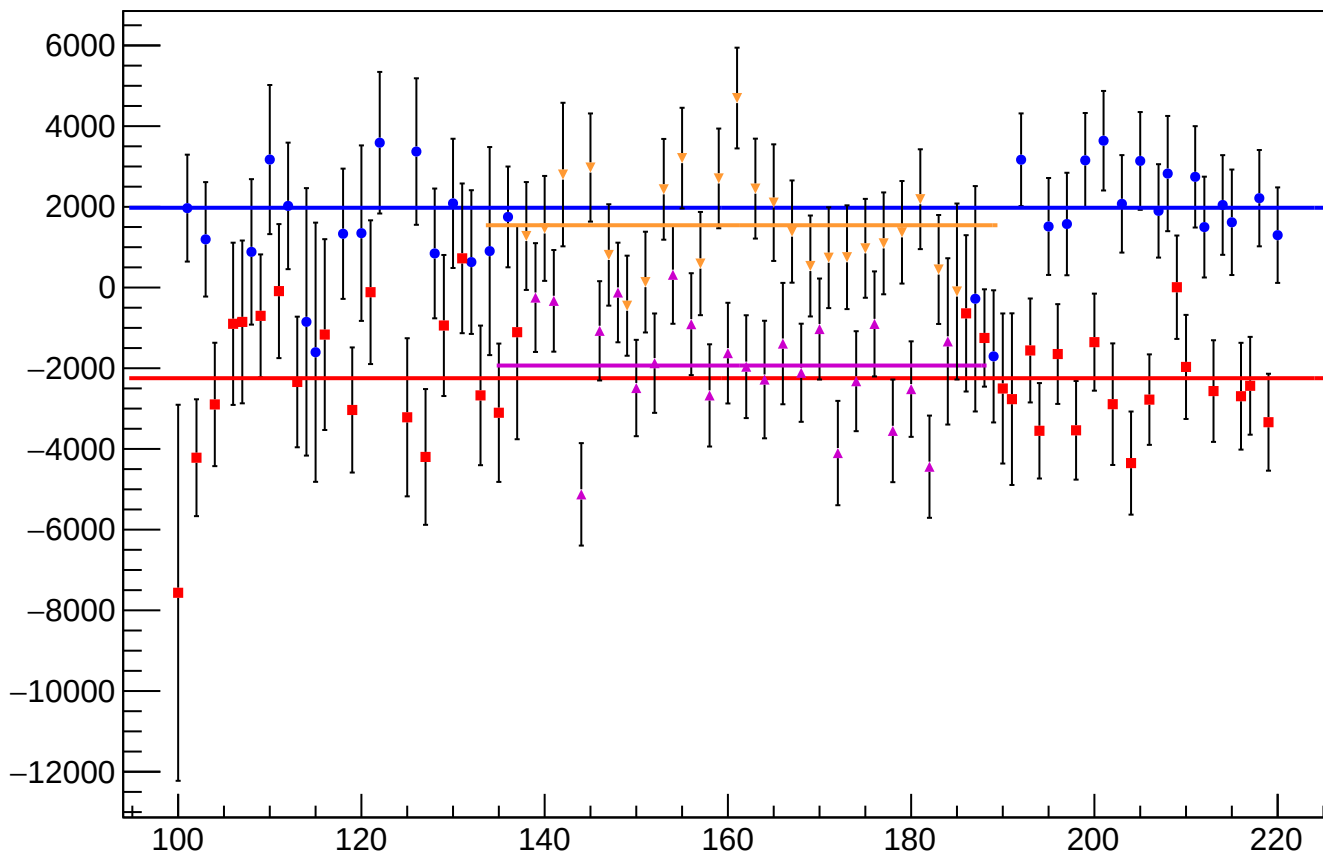
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.126 $\pm$ 0.012 χ^2 /NDF: 7723839.2/56

All: 85.673 $\pm$ 0.009 χ^2 /NDF: 15032445.8/114

- sign 86.230 $\pm$ 0.012 χ^2 /NDF: 7304651.4/57

reg_asym_usl_mean vs Slug



Right In: 1977.227+/-251.103 χ^2/NDF : 18.1/32

Left Out: 1544.102+/-266.270 χ^2/NDF : 20.0/23

Right Out: -2246.753+/-249.943 χ^2/NDF : 26.2/35

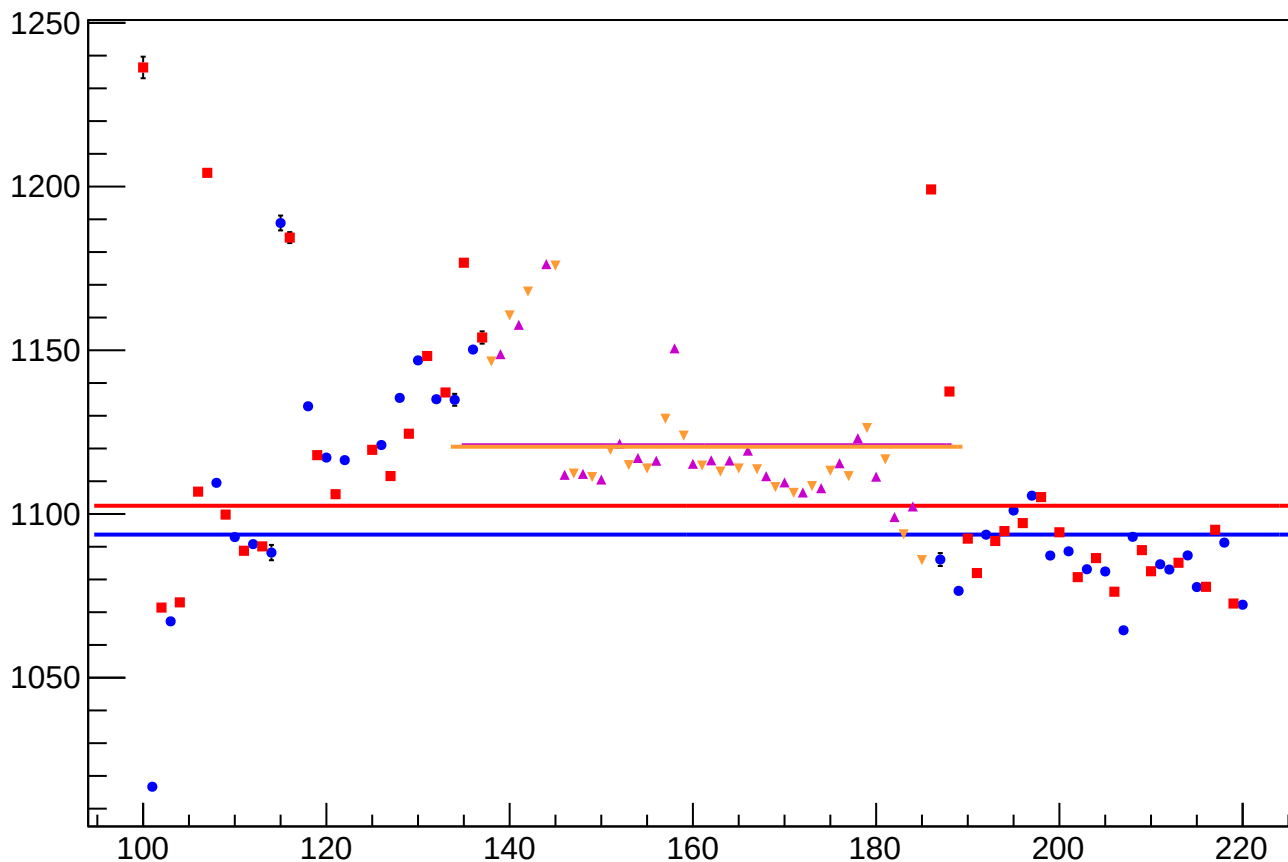
Left In: -1933.000+/-268.006 χ^2/NDF : 27.0/22

+ sign 1773.351+/-182.683 χ^2/NDF : 39.5/56

All: -162.607+/-129.214 χ^2/NDF : 318.2/115

- sign -2100.805+/-182.789 χ^2/NDF : 54.0/58

reg_asym_usl_rms vs Slug



Right In: 1093.708 $\pm$ 0.178 χ^2 /NDF: 24268.7/32

Left Out: 1120.543 $\pm$ 0.188 χ^2 /NDF:10252.7/23

Right Out: 1102.511 $\pm$ 0.177 χ^2 /NDF: 30496.5/35

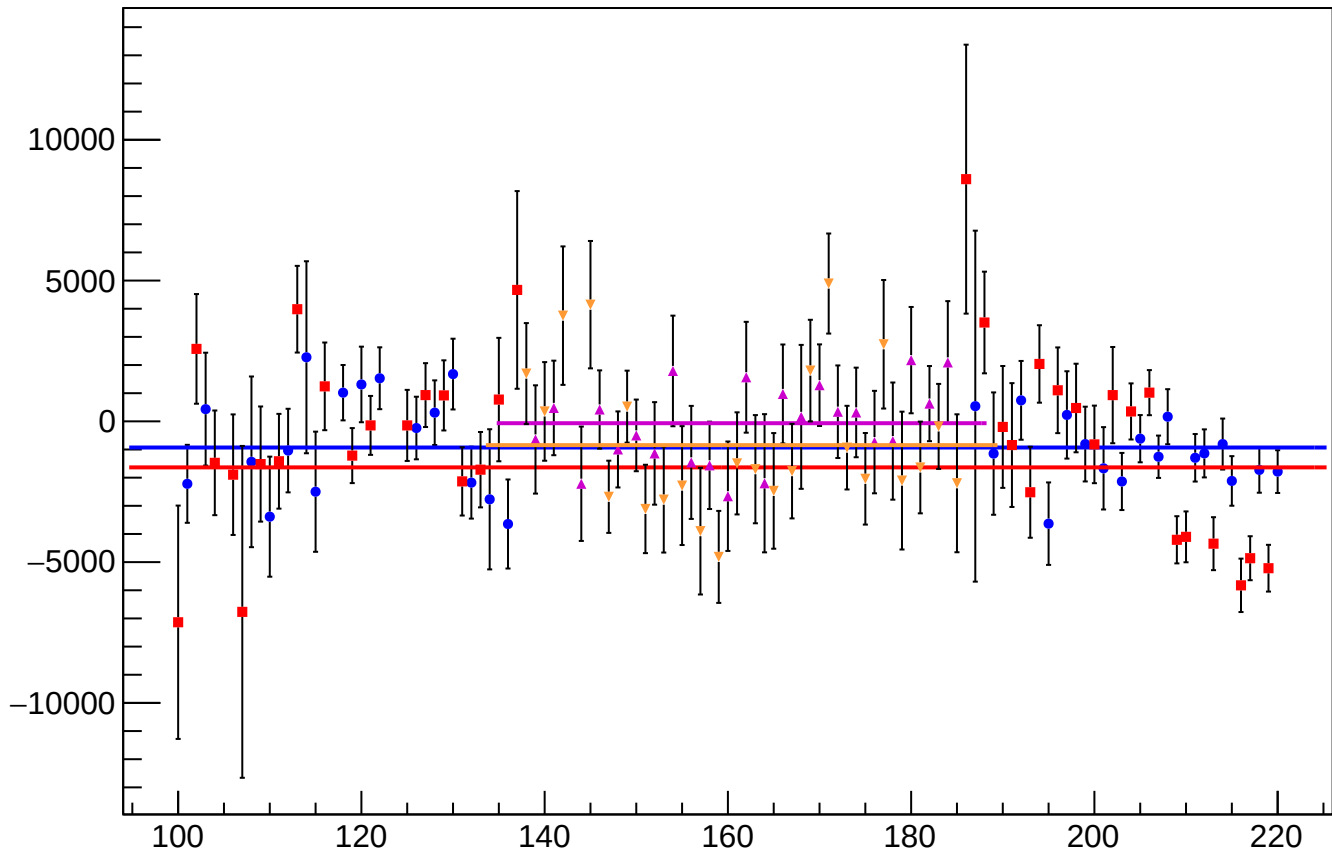
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF:9641.8/22

+ sign 1106.340 $\pm$ 0.129 χ^2 /NDF: 45272.9/56

All: 1108.722 $\pm$ 0.091 χ^2 /NDF: 91177.5/115

- sign 1111.107 $\pm$ 0.129 χ^2 /NDF: 45224.0/58

asym_usl_correction_mean vs Slug



Right In: -929.244 ± 203.806 χ^2/NDF : 39.2/32

Left Out: -845.009 ± 361.141 χ^2/NDF : 43.2/23

Right Out: -1635.145 ± 214.383 χ^2/NDF : 165.2/35

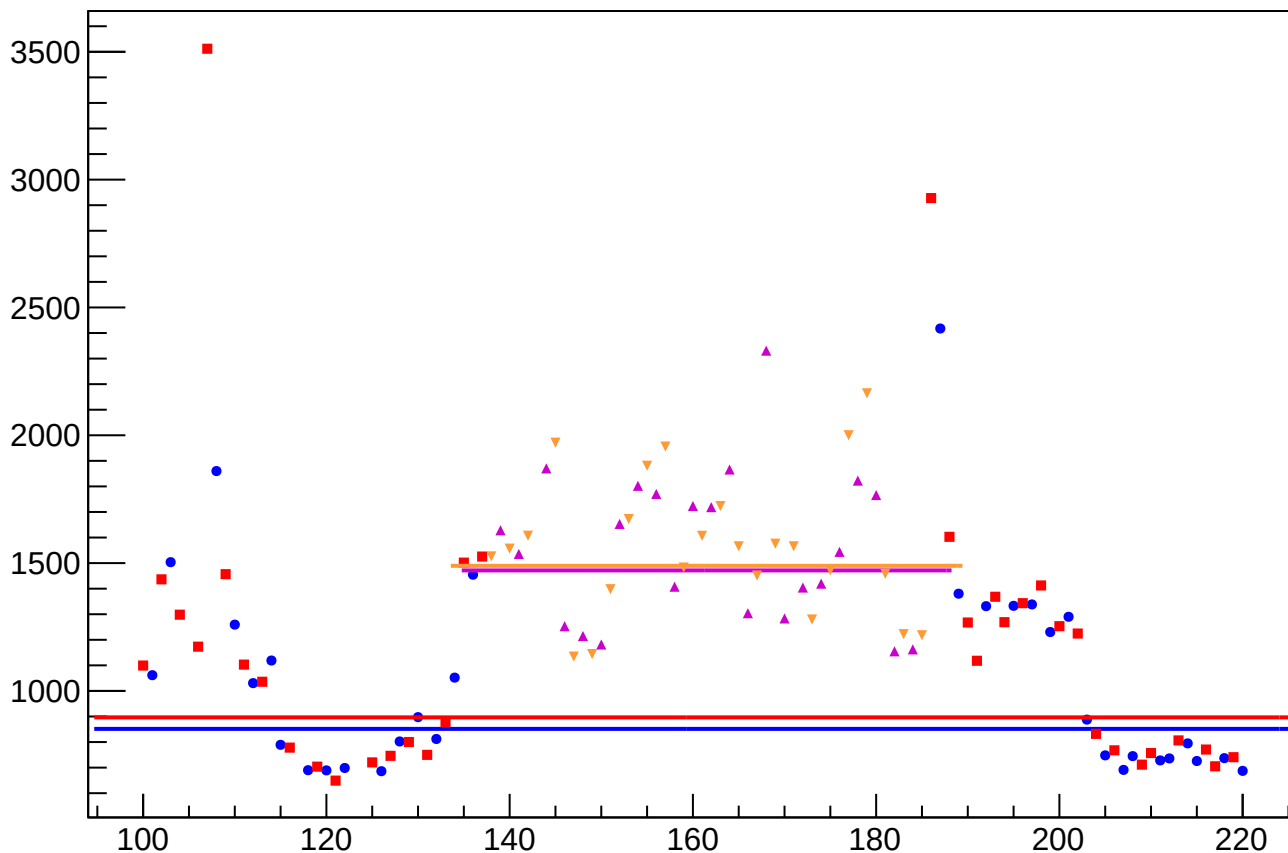
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -908.897 ± 177.493 χ^2/NDF : 82.5/56

All: -1059.900 ± 127.756 χ^2/NDF : 275.4/115

- sign -1222.236 ± 184.032 χ^2/NDF : 191.4/58

asym_usl_correction_rms vs Slug



Right In: 851.535 $\pm$ 0.144 χ^2 /NDF: 2719181.3/32

Left Out: 1489.507 $\pm$ 0.255 χ^2 /NDF:1009228.3/23

Right Out: 896.567 $\pm$ 0.152 χ^2 /NDF: 3517888.3/35

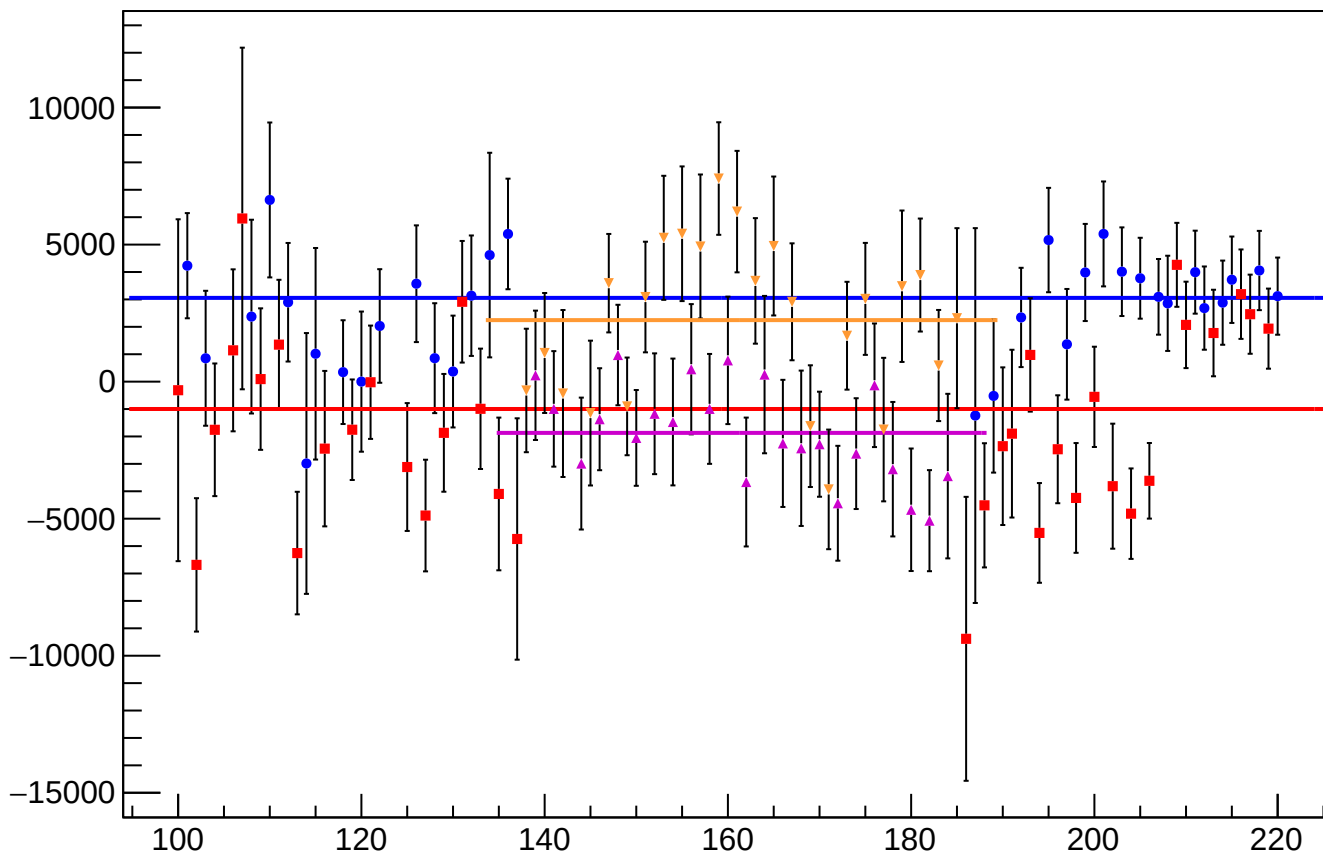
Left In: 1471.394 $\pm$ 0.254 χ^2 /NDF:1105310.5/22

+ sign 1005.638 $\pm$ 0.126 χ^2 /NDF: 8462172.5/56

All: 1025.958 $\pm$ 0.090 χ^2 /NDF: 16922822.4/100

- sign 1047.804 $\pm$ 0.130 χ^2 /NDF: 8406253.7/58

asym_usl_mean vs Slug



Right In: 3056.009 $\pm$ 336.919 χ^2 /NDF: 20.5/32

Left Out: 2244.415 $\pm$ 456.474 χ^2 /NDF:38.6/23

Right Out: -997.915 $\pm$ 345.799 χ^2 /NDF: 86.0/35

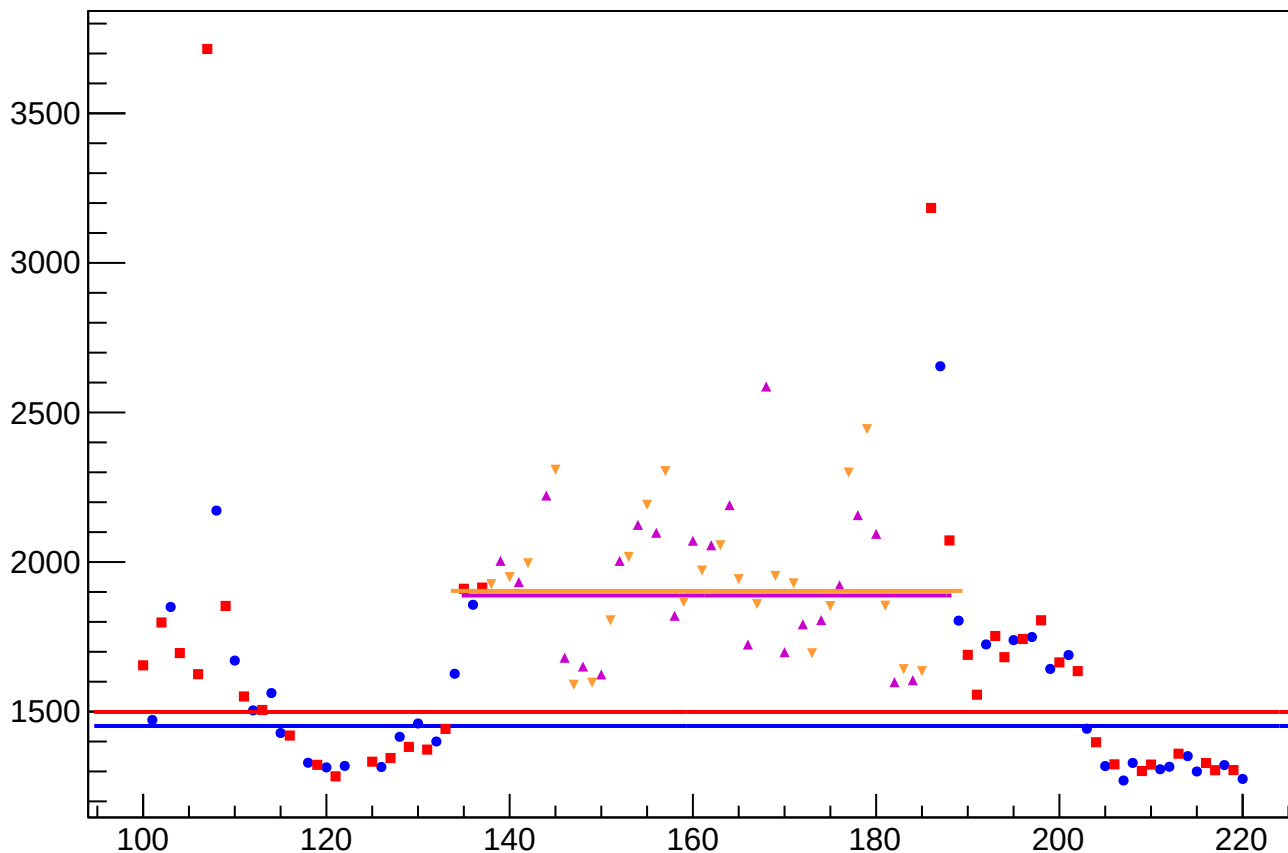
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2769.795 $\pm$ 271.077 χ^2 /NDF: 61.2/56

All: 758.975 $\pm$ 193.196 χ^2 /NDF: 276.2/115

- sign -1316.717 $\pm$ 275.415 χ^2 /NDF: 103.2/58

asym_usl_rms vs Slug



Right In: 1451.987 $\pm$ 0.238 χ^2 /NDF: 720114.1/32

Left Out: 1903.581 $\pm$ 0.323 χ^2 /NDF: 461788.9/23

Right Out: 1498.878 $\pm$ 0.245 χ^2 /NDF: 1186257.5/35

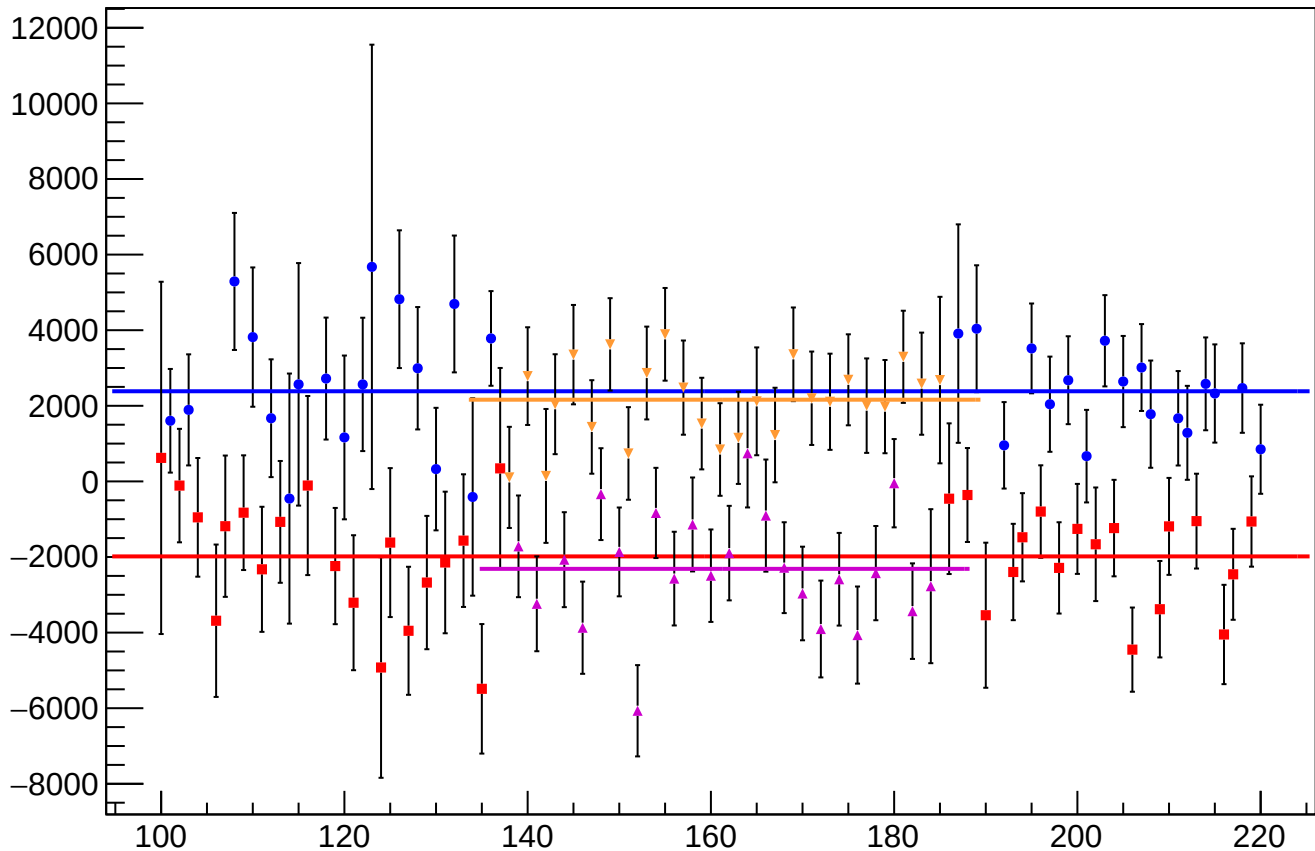
Left In: 1888.121 $\pm$ 0.322 χ^2 /NDF: 504568.6/22

+ sign 1611.245 $\pm$ 0.192 χ^2 /NDF: 2449046.4/56

All: 1625.987 $\pm$ 0.137 χ^2 /NDF: 5078489.8/11

- sign 1641.205 $\pm$ 0.195 χ^2 /NDF: 2617422.4/58

reg_asym_usr_mean vs Slug



Right In: 2384.687+/-250.896 χ^2/NDF : 23.2/33

Left Out: 2161.427+/-257.518 χ^2/NDF :15.1/24

Right Out: -1984.123+/-250.496 χ^2/NDF : 28.1/35

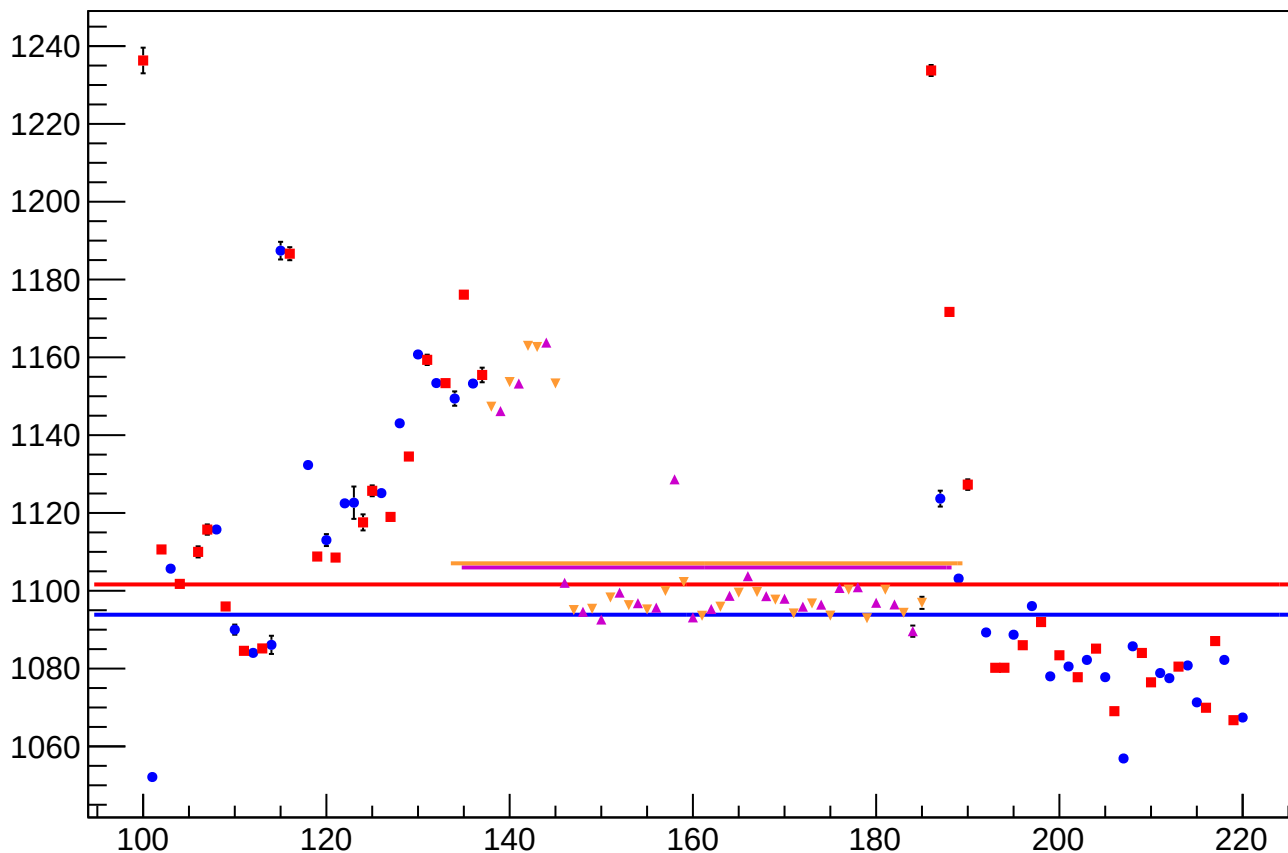
Left In: -2313.505+/-264.429 χ^2/NDF :31.3/22

+ sign 2275.964+/-179.706 χ^2/NDF : 38.7/58

All: 94.259+/-127.824 χ^2/NDF : 397.2/117

- sign -2139.908+/-181.854 χ^2/NDF : 60.2/58

reg_asym_usr_rms vs Slug



Right In: 1093.846 $\pm$ 0.177 χ^2 /NDF: 25650.3/33

Left Out: 1107.057 $\pm$ 0.182 χ^2 /NDF:15175.6/24

Right Out: 1101.628 $\pm$ 0.177 χ^2 /NDF: 39579.0/35

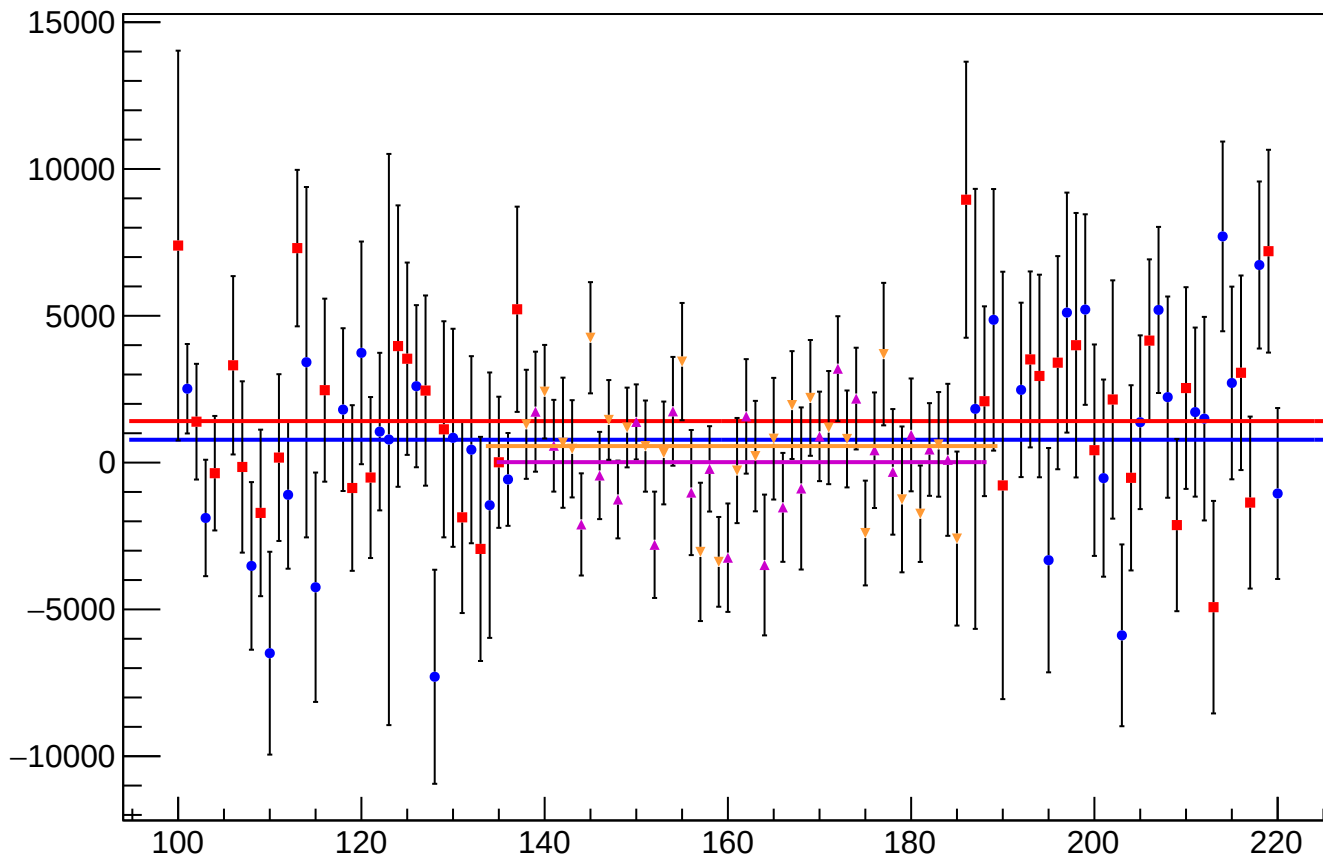
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1100.279 $\pm$ 0.127 χ^2 /NDF: 43526.3/58

All: 1101.966 $\pm$ 0.090 χ^2 /NDF: 95301.1/117

- sign 1103.694 $\pm$ 0.129 χ^2 /NDF: 51418.0/58

asym_usr_correction_mean vs Slug



Right In: 778.133 $\pm$ 507.960 χ^2 /NDF: 41.9/33

Left Out: 563.282 $\pm$ 360.901 χ^2 /NDF: 26.8/24

Right Out: 1413.442 $\pm$ 520.634 χ^2 /NDF: 28.7/35

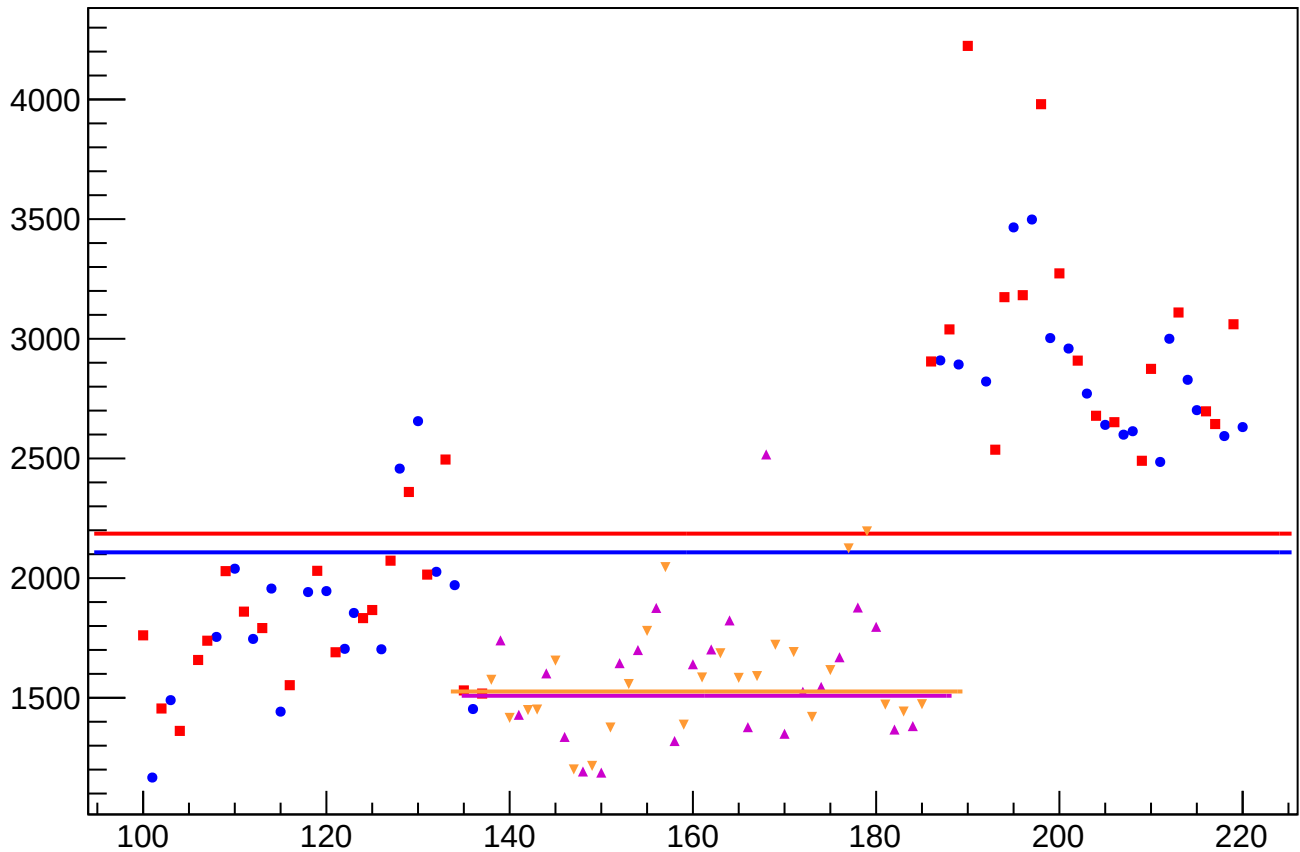
Left In: 15.520 $\pm$ 366.854 χ^2 /NDF: 20.1/22

+ sign 635.355 $\pm$ 294.205 χ^2 /NDF: 68.8/58

All: 558.828 $\pm$ 210.014 χ^2 /NDF: 122.6/117

- sign 479.317 $\pm$ 299.885 χ^2 /NDF: 53.6/58

asym_usr_correction_rms vs Slug



Right In: 2107.766 $\pm$ 0.359 χ^2 /NDF: 3278653.1/33

Left Out: 1526.391 $\pm$ 0.255 χ^2 /NDF: 753714.4/24

Right Out: 2185.928 $\pm$ 0.368 χ^2 /NDF: 3089564.0/35

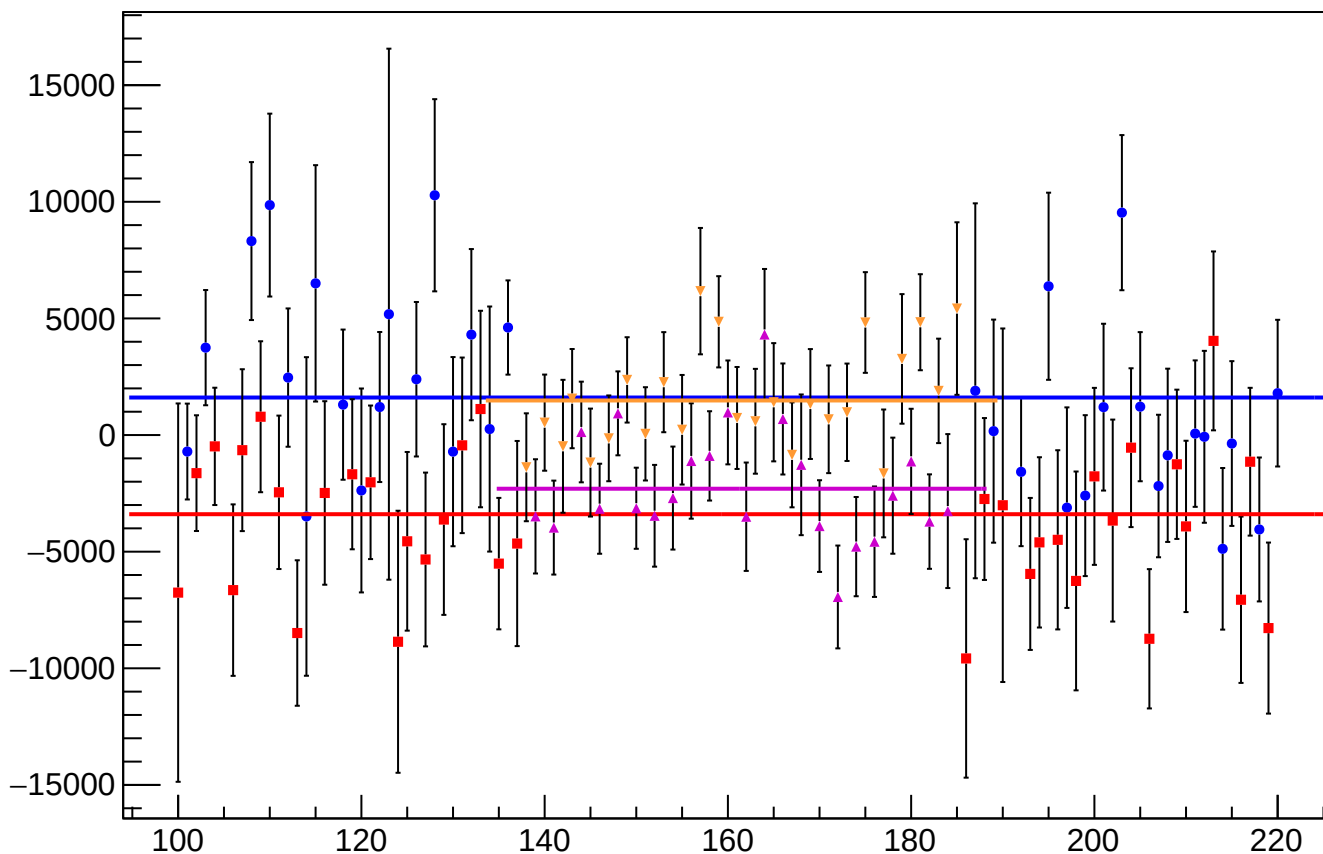
Left In: 1508.581 $\pm$ 0.259 χ^2 /NDF: 931684.8/22

+ sign 1721.418 $\pm$ 0.208 χ^2 /NDF: 5773391.5/58

All: 1727.250 $\pm$ 0.149 χ^2 /NDF: 12058328.8/100

- sign 1733.308 $\pm$ 0.212 χ^2 /NDF: 6283335.3/58

asym_usr_mean vs Slug



Right In: 1608.858 $\pm$ 587.630 χ^2 /NDF: 41.1/33

Left Out: 1482.365 $\pm$ 449.983 χ^2 /NDF: 20.9/24

Right Out: -3393.531 $\pm$ 596.693 χ^2 /NDF: 26.4/35

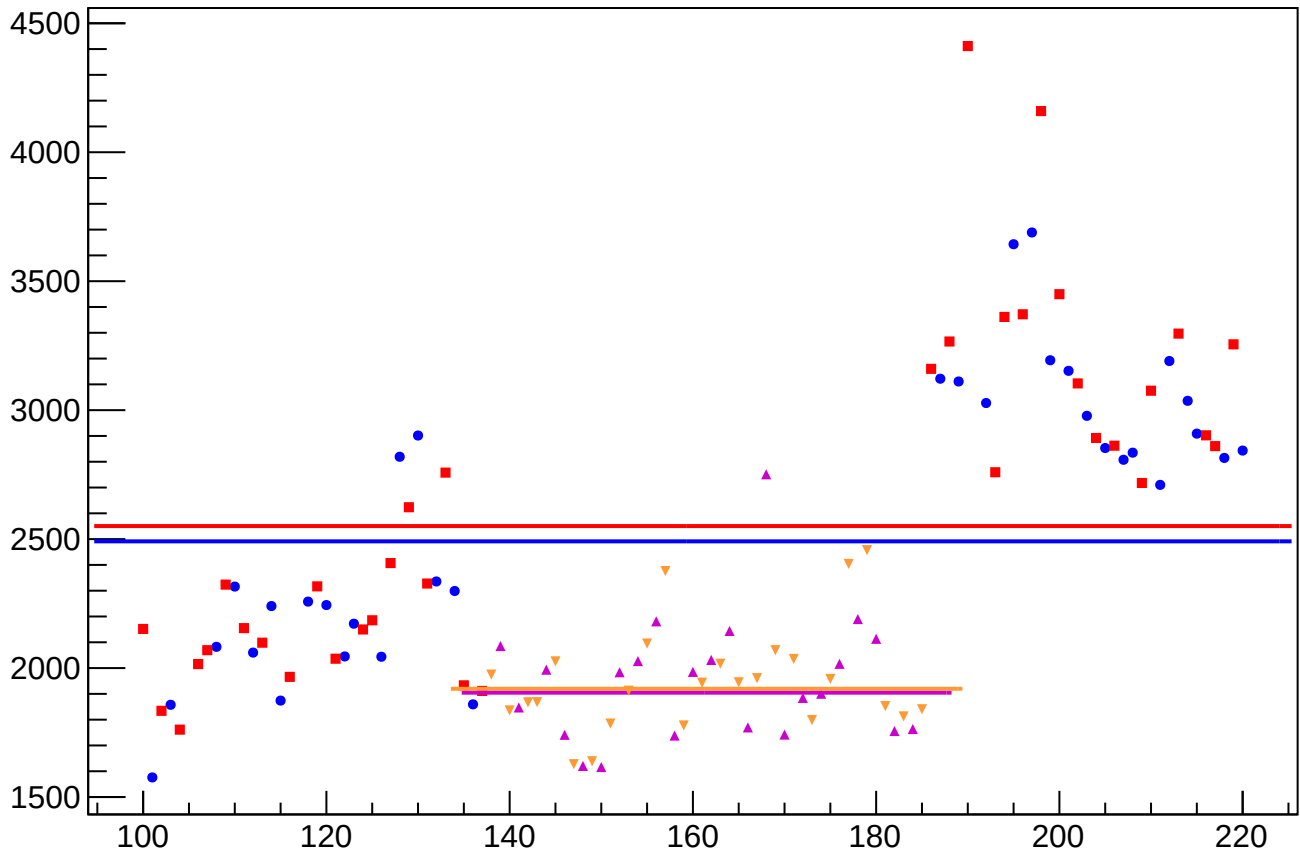
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

+ sign 1529.122 $\pm$ 357.266 χ^2 /NDF: 62.0/58

All: -550.537 $\pm$ 254.915 χ^2 /NDF: 184.4/117

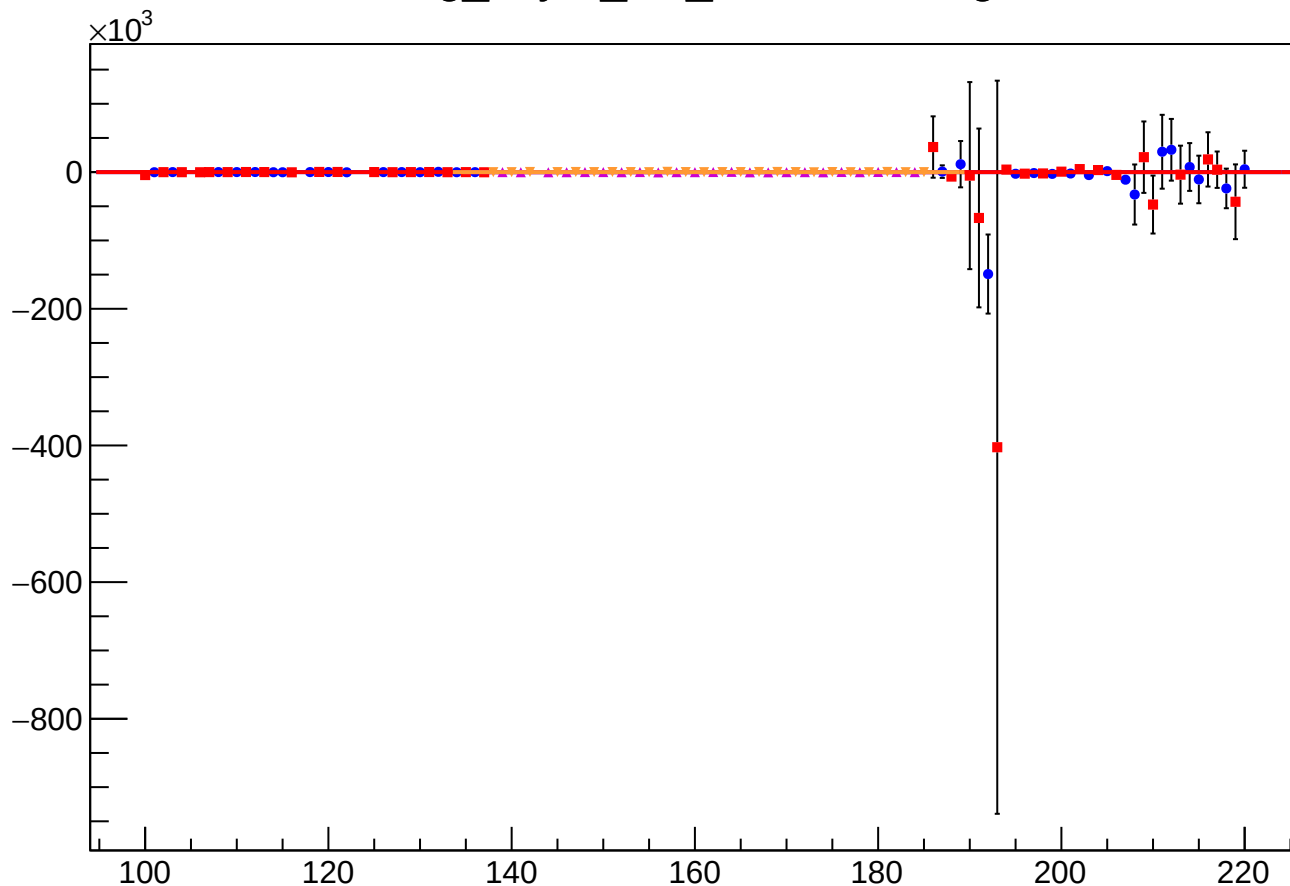
- sign -2707.351 $\pm$ 363.833 χ^2 /NDF: 53.3/58

asym_usr_rms vs Slug



Right In: 2491.354+/-0.416	χ^2/NDF : 1852323.9/33	+ sign 2131.024+/-0.253	χ^2/NDF : 3411518.2/58
Left Out: 1919.732+/-0.318	χ^2/NDF : 366218.1/24	All: 2137.778+/-0.180	χ^2/NDF : 7237707.5/11
Right Out: 2550.559+/-0.422	χ^2/NDF : 1905064.0/35	- sign 2144.781+/-0.257	χ^2/NDF : 3824733.6/58
Left In: 1904.629+/-0.325	χ^2/NDF : 447350.7/22		

reg_asym_dsl_mean vs Slug



Right In: -2.377 ± 36.762 χ^2/NDF : 33.7/32

Left Out: 12.260 ± 26.260 χ^2/NDF : 35.9/23

Right Out: -1.854 ± 36.747 χ^2/NDF : 21.8/35

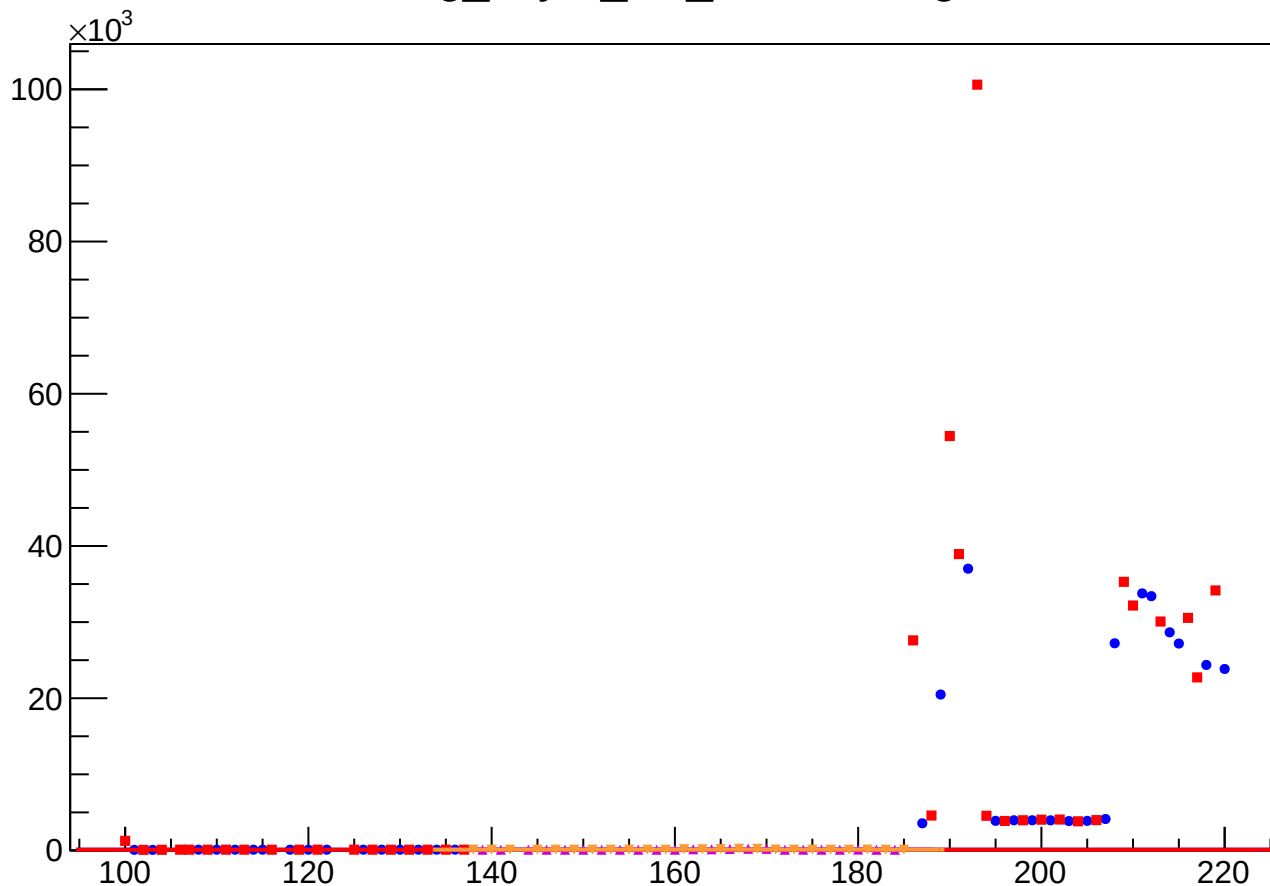
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.315 ± 21.368 χ^2/NDF : 69.7/56

All: -4.820 ± 15.124 χ^2/NDF : 128.8/115

- sign -17.002 ± 21.410 χ^2/NDF : 58.4/58

reg_asym_dsl_rms vs Slug



Right In: 96.237 $\pm$ 0.026 χ^2 /NDF: 20949650.8/32

Left Out: 108.059 $\pm$ 0.019 χ^2 /NDF:1434979.3/23

Right Out: 98.378 $\pm$ 0.026 χ^2 /NDF: 18970059.7/35

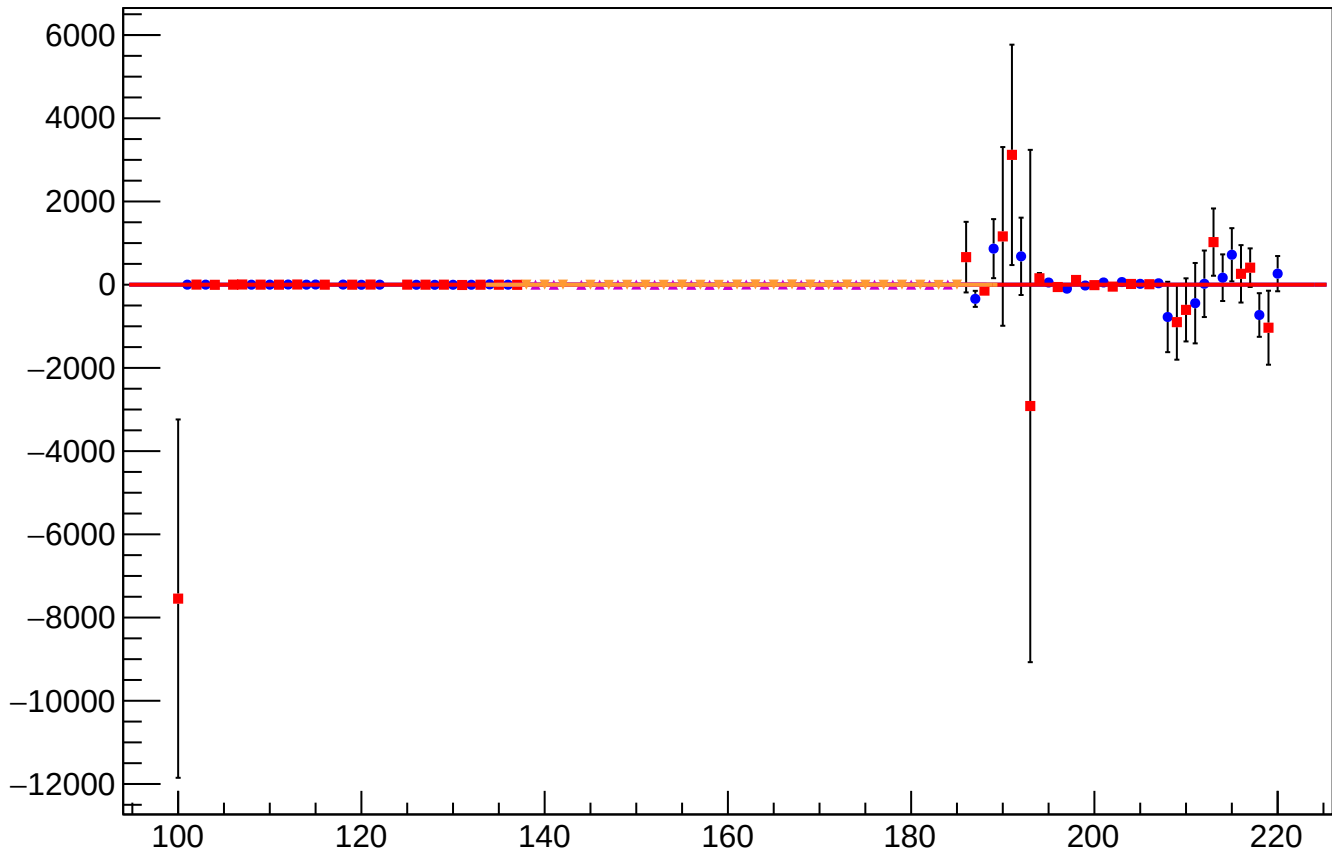
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF:1491034.7/22

+ sign 104.065 $\pm$ 0.015 χ^2 /NDF: 22521590.0/56

All: 104.291 $\pm$ 0.011 χ^2 /NDF: 43067645.6/11

- sign 104.517 $\pm$ 0.015 χ^2 /NDF: 20545608.8/58

asym_dsl_correction_mean vs Slug



Right In: 0.397 $\pm$ 0.617 χ^2 /NDF: 24.1/32

Left Out: -0.534 $\pm$ 0.475 χ^2 /NDF: 30.5/23

Right Out: 0.347 $\pm$ 0.644 χ^2 /NDF: 35.2/35

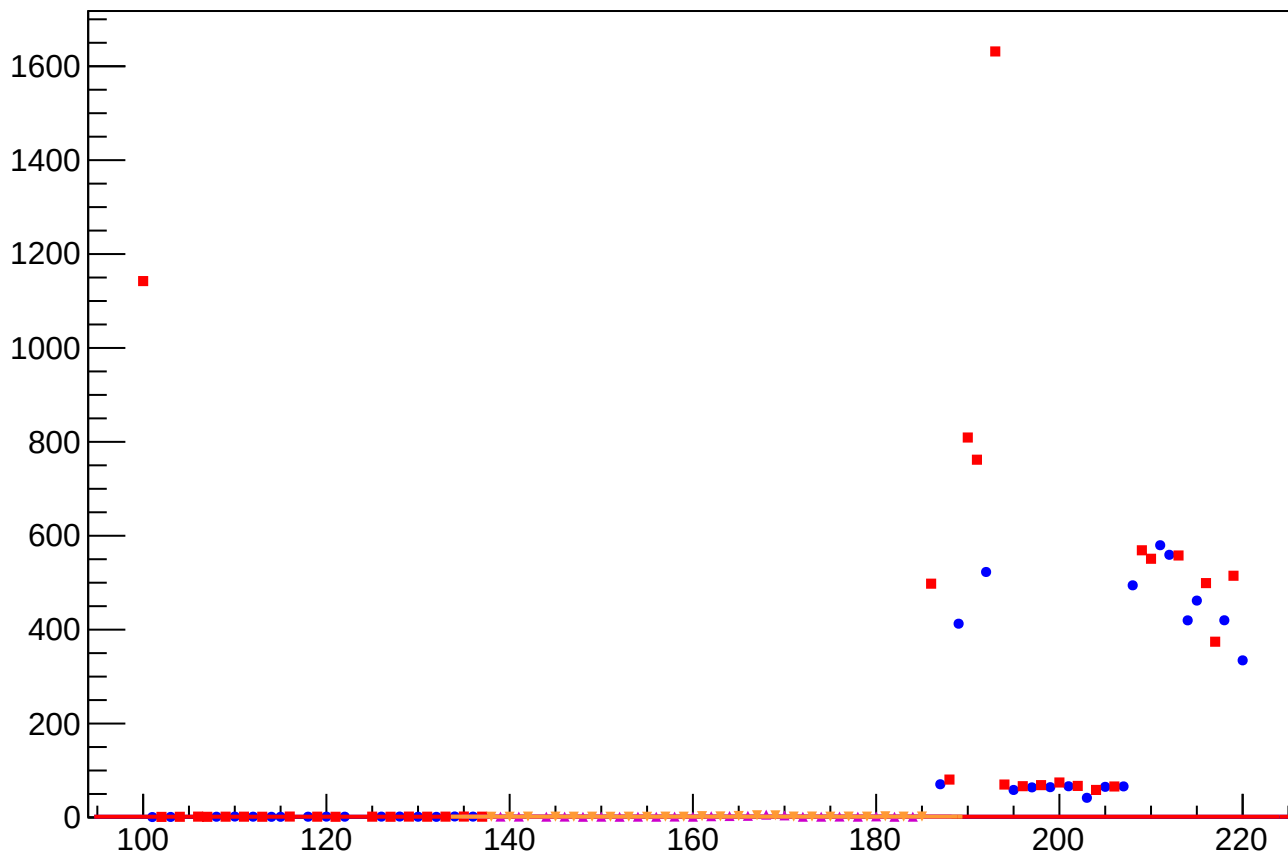
Left In: 0.067 $\pm$ 0.485 χ^2 /NDF: 25.0/22

+ sign -0.188 $\pm$ 0.376 χ^2 /NDF: 56.1/56

All: -0.015 $\pm$ 0.270 χ^2 /NDF: 116.8/115

- sign 0.168 $\pm$ 0.387 χ^2 /NDF: 60.3/58

asym_dsl_correction_rms vs Slug



Right In: 1.453+/-0.000 χ^2/NDF : 18121937.6/32

Left Out: 1.771+/-0.000 χ^2/NDF : 1599621.6/23

Right Out: 1.587+/-0.000 χ^2/NDF : 16728623.8/35

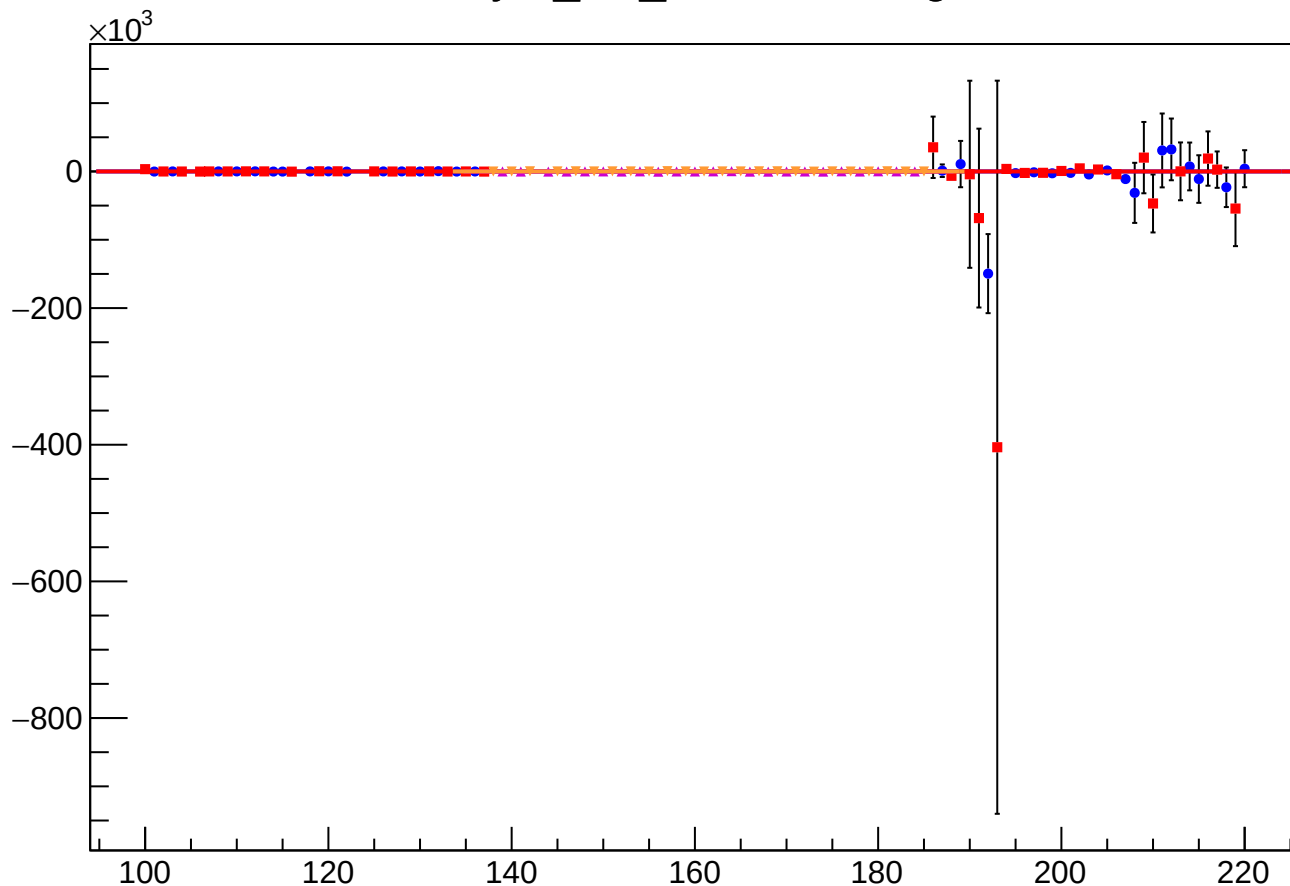
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.653+/-0.000 χ^2/NDF : 20056459.2/56

All: 1.688+/-0.000 χ^2/NDF : 38885049.8/115

- sign 1.724+/-0.000 χ^2/NDF : 18793316.6/58

asym_dsl_mean vs Slug



Right In: -2.090 ± 36.771 χ^2/NDF : 33.9/32

Left Out: 12.948 ± 26.268 χ^2/NDF : 35.7/23

Right Out: -1.623 ± 36.757 χ^2/NDF : 21.5/35

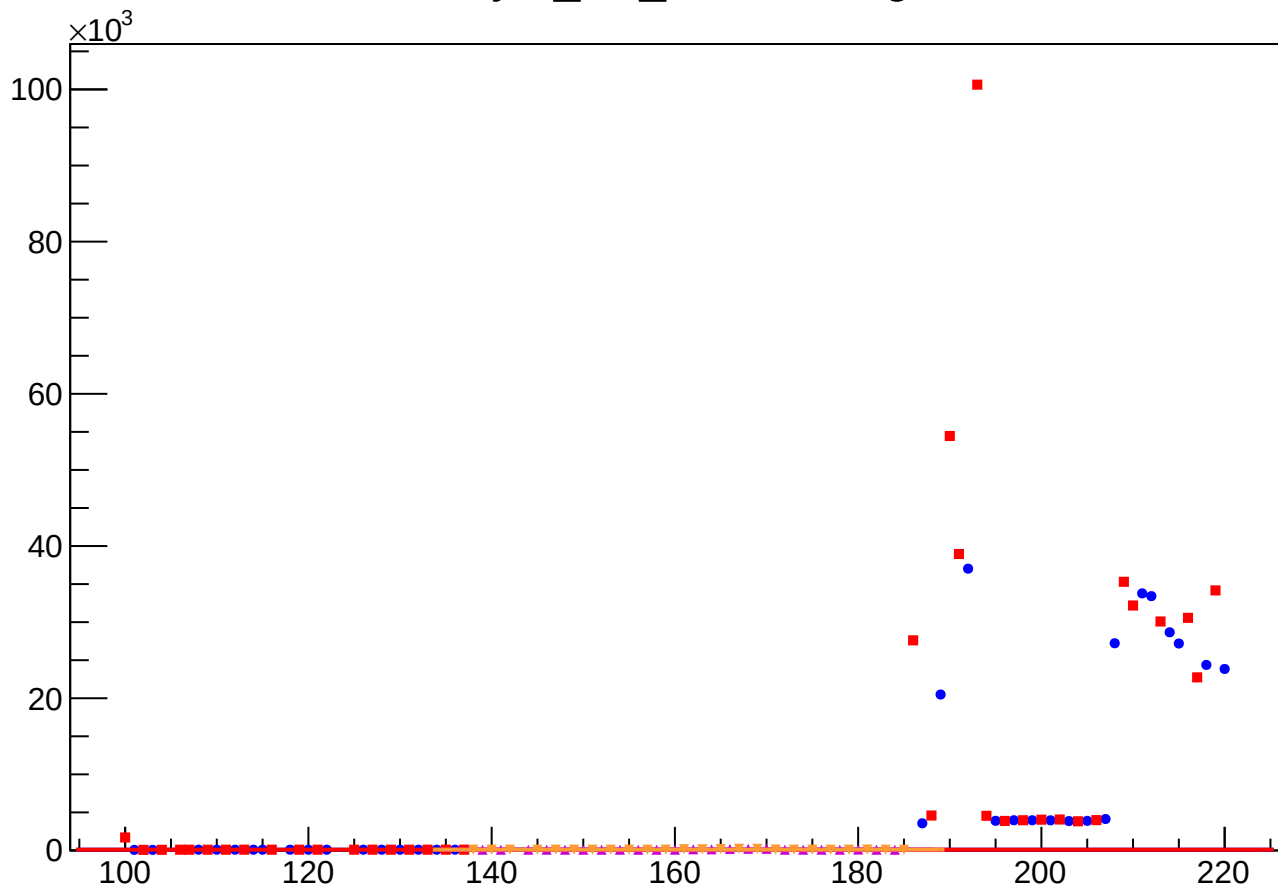
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 7.867 ± 21.374 χ^2/NDF : 69.8/56

All: -4.677 ± 15.129 χ^2/NDF : 127.9/115

- sign -17.270 ± 21.416 χ^2/NDF : 57.4/58

asym_dsl_rms vs Slug



Right In: 96.262 $\pm$ 0.026 χ^2 /NDF: 20949629.0/32

Left Out: 108.090 $\pm$ 0.019 χ^2 /NDF: 1436368.7/23

Right Out: 98.387 $\pm$ 0.026 χ^2 /NDF: 18975354.6/35

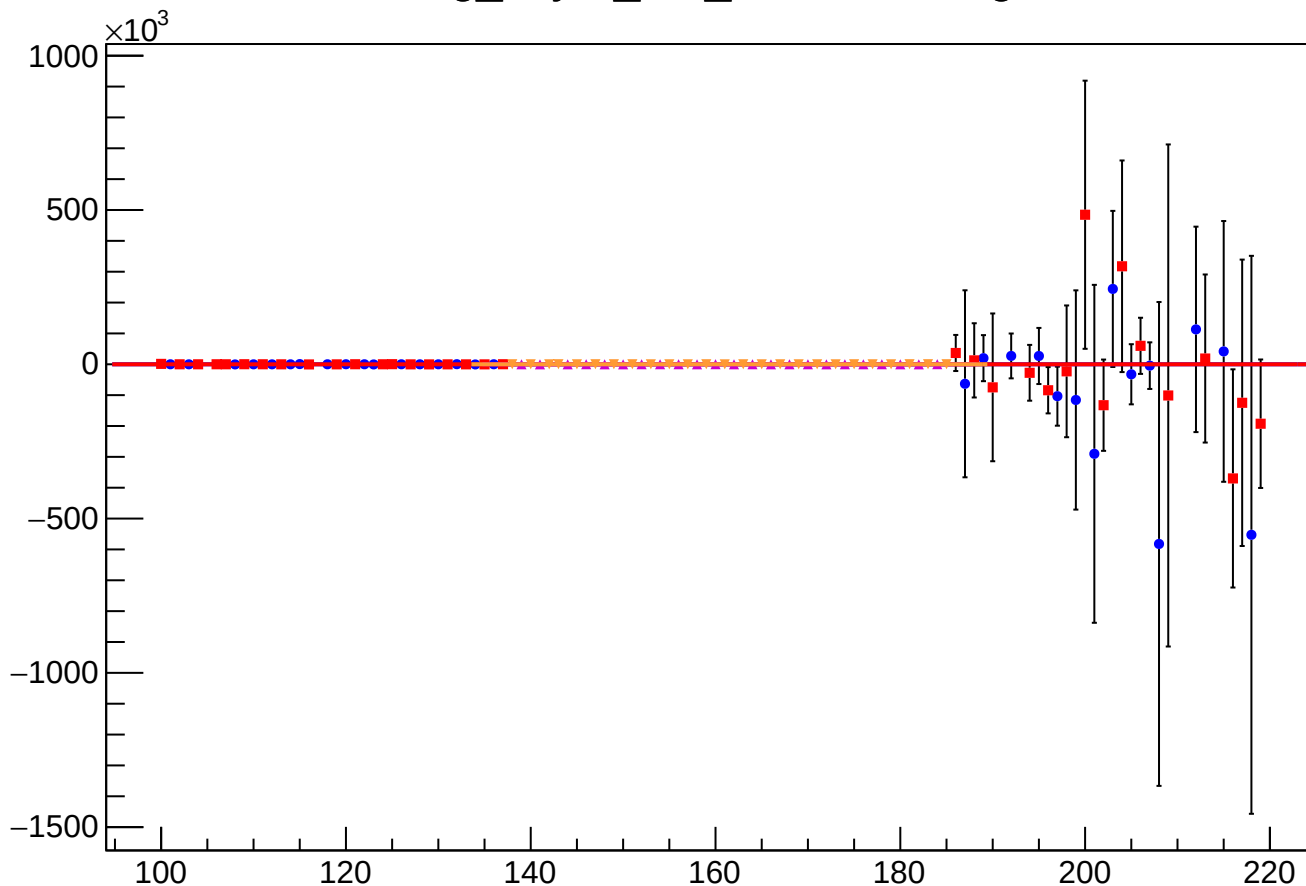
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 104.094 $\pm$ 0.015 χ^2 /NDF: 22523021.6/56

All: 104.317 $\pm$ 0.011 χ^2 /NDF: 43076006.2/11

- sign 104.541 $\pm$ 0.015 χ^2 /NDF: 20552548.2/58

reg_asym_dsr_mean vs Slug



Right In: -26.803 ± 46.841 χ^2/NDF : 18.4/30

Left Out: -12.829 ± 32.063 χ^2/NDF : 12.0/24

Right Out: -53.407 ± 47.775 χ^2/NDF : 22.7/33

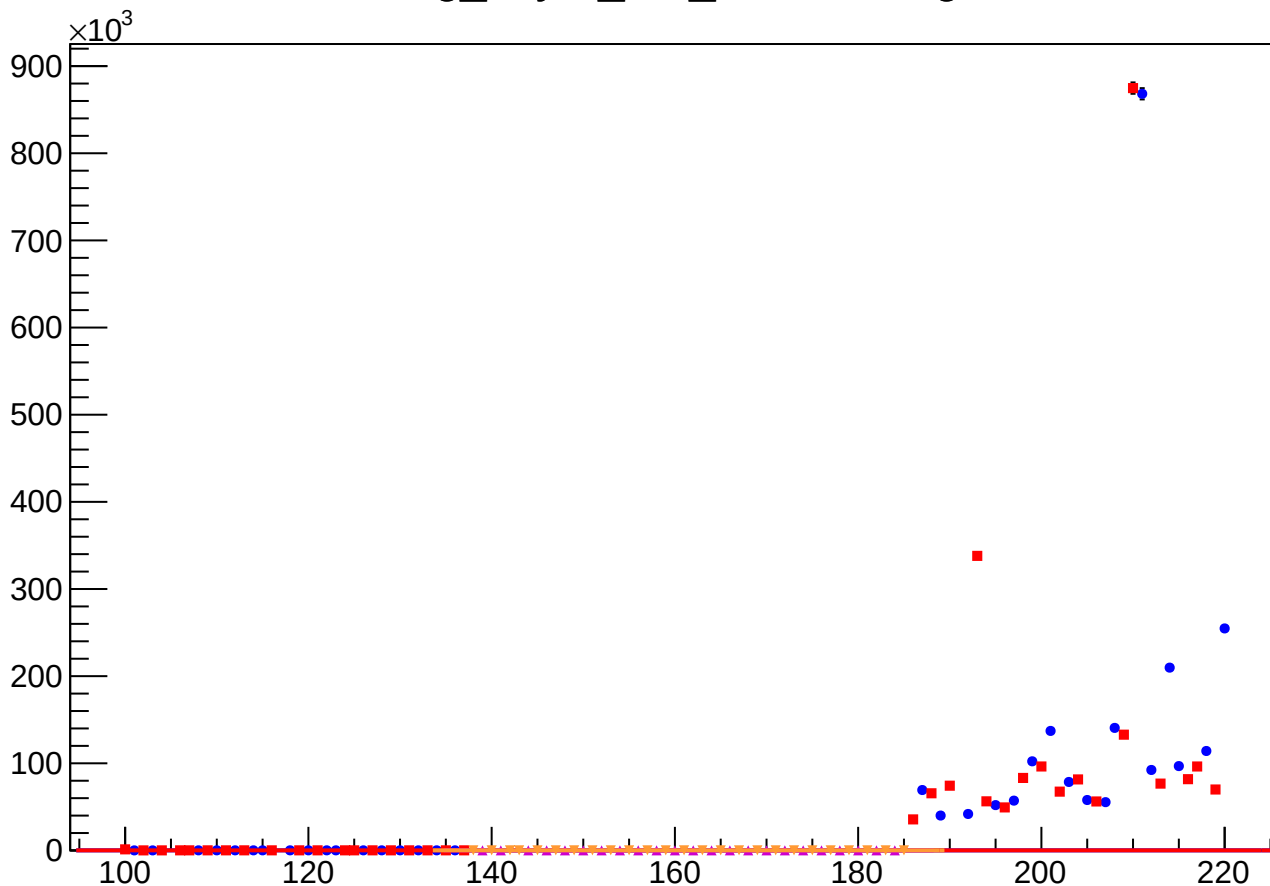
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.288 ± 26.458 χ^2/NDF : 30.5/55

All: 4.342 ± 18.939 χ^2/NDF : 78.0/112

- sign 27.069 ± 27.121 χ^2/NDF : 46.1/56

reg_asym_dsr_rms vs Slug



Right In: 117.884 $\pm$ 0.033 χ^2 /NDF: 7137358.8/33

Left Out: 137.856 $\pm$ 0.023 χ^2 /NDF: 443.5/24

Right Out: 124.849 $\pm$ 0.034 χ^2 /NDF: 7039142.2/35

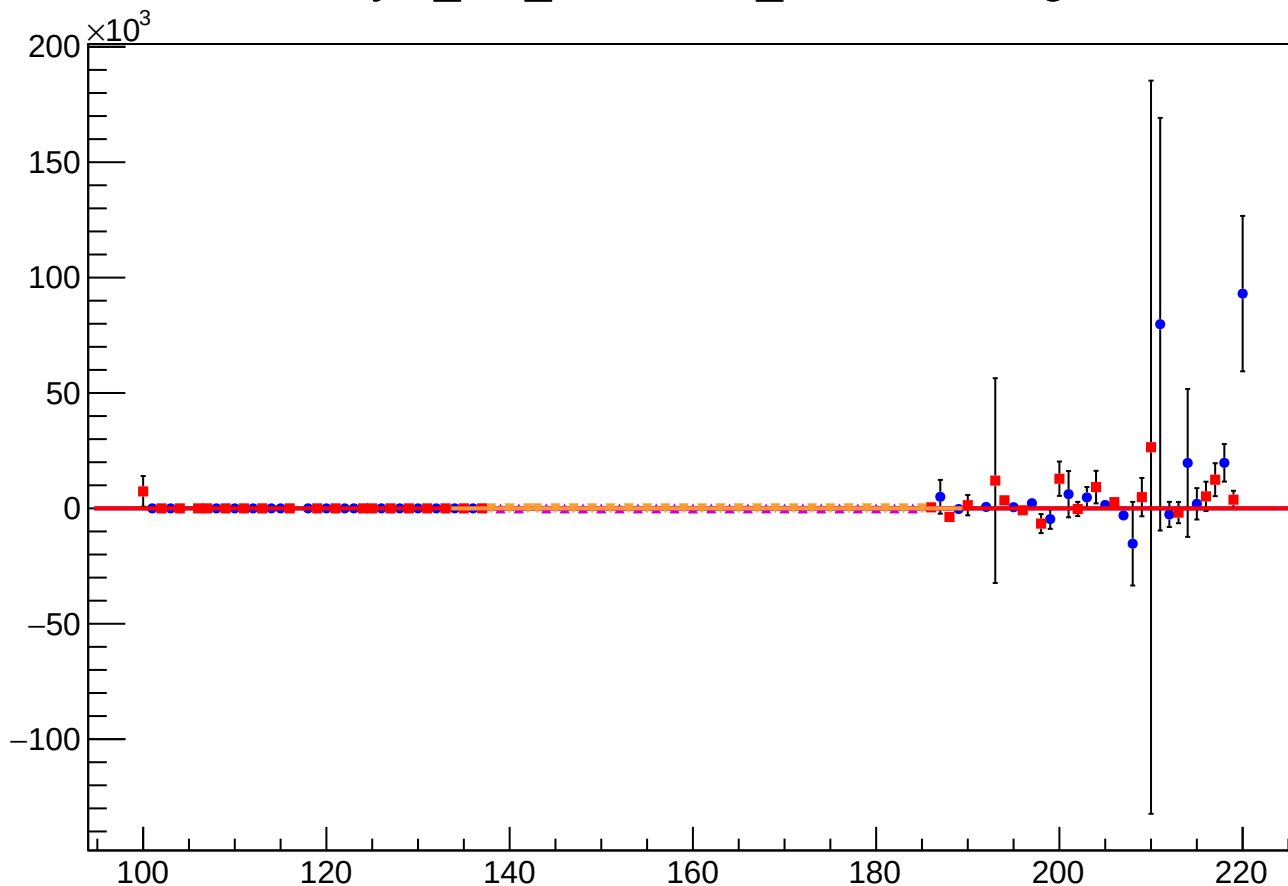
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.484 $\pm$ 0.019 χ^2 /NDF: 7385408.7/58

All: 132.530 $\pm$ 0.013 χ^2 /NDF: 14531099.0/11

- sign 133.629 $\pm$ 0.019 χ^2 /NDF: 7139279.1/58

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 39.0/33

Left Out: 0.490 ± 0.572 χ^2/NDF : 29.0/24

Right Out: 0.639 ± 0.852 χ^2/NDF : 37.4/35

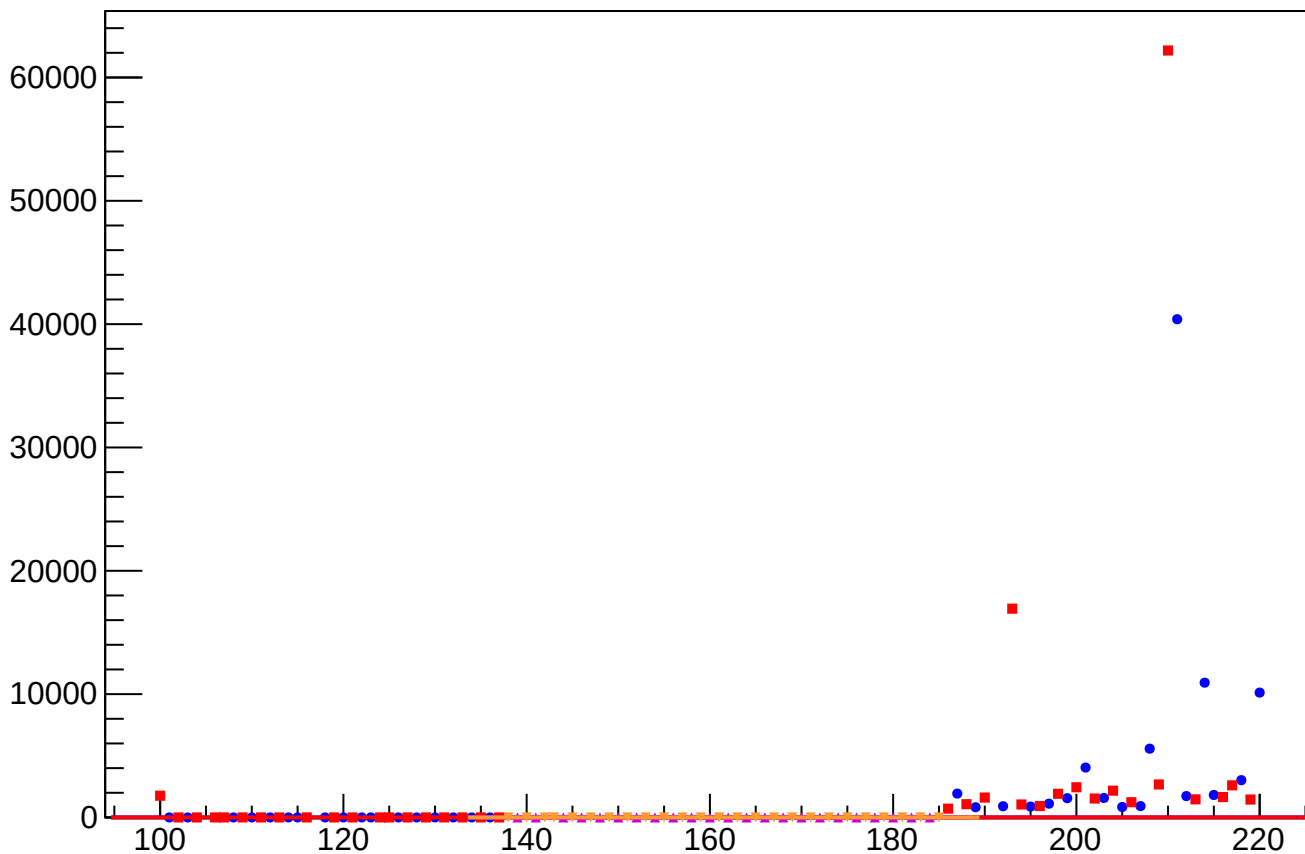
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 69.5/58

All: 0.046 ± 0.334 χ^2/NDF : 128.4/117

- sign 0.004 ± 0.479 χ^2/NDF : 58.9/58

asym_dsr_correction_rms vs Slug



Right In: 1.867+/-0.001 χ^2/NDF : 7267830.7/33

Left Out: 2.262+/-0.000 χ^2/NDF :374973.2/24

Right Out: 2.065+/-0.001 χ^2/NDF : 7474283.6/35

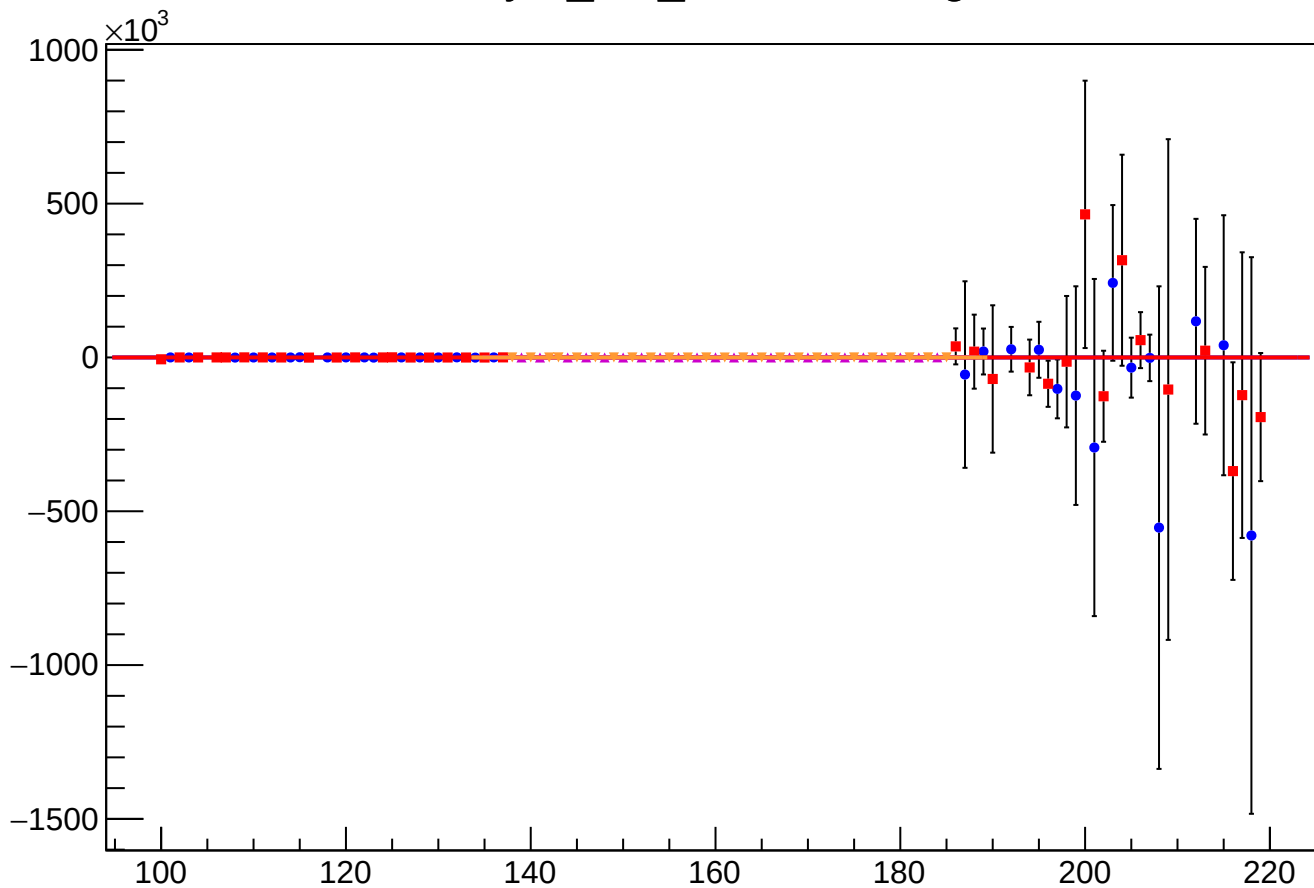
Left In: 2.193+/-0.000 $\chi^2/\text{NDF}: 510890.7/22$

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 7959900.8/58

All: 2.141+/-0.000 χ^2/NDF : 15977909.1/117

- sign 2.153+/-0.000 χ^2/NDF : 8015799.1/58

asym_dsr_mean vs Slug



Right In: -25.065 ± 46.854 χ^2/NDF : 18.4/30

Left Out: -13.383 ± 32.072 χ^2/NDF : 11.8/24

Right Out: -54.310 ± 47.789 χ^2/NDF : 23.1/33

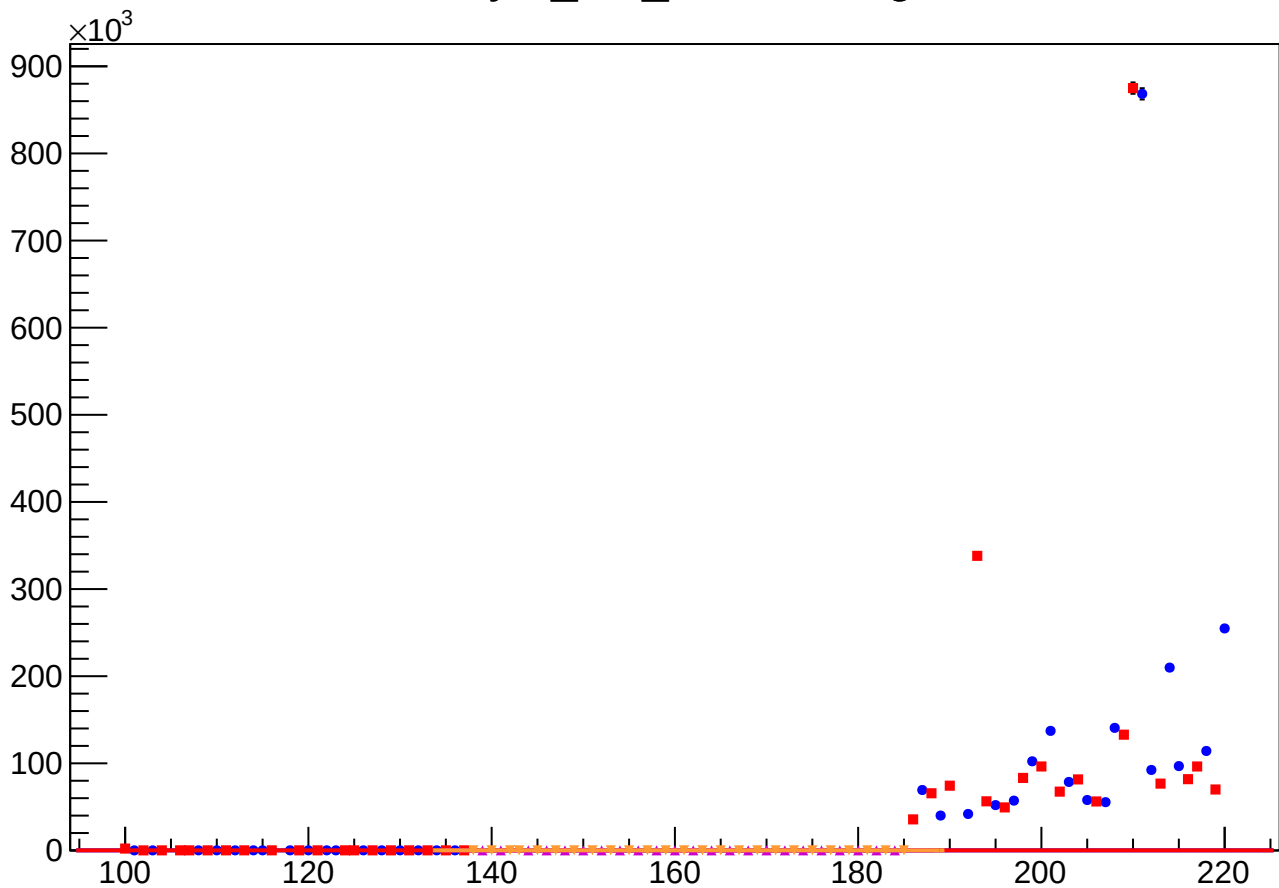
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.110 ± 26.465 χ^2/NDF : 30.3/55

All: 4.257 ± 18.944 χ^2/NDF : 78.3/112

- sign 26.708 ± 27.129 χ^2/NDF : 46.7/56

asym_dsr_rms vs Slug



Right In: 117.916 $\pm$ 0.033 χ^2 /NDF: 7137526.6/33

Left Out: 137.895 $\pm$ 0.023 χ^2 /NDF:440.9/24

Right Out: 124.838 $\pm$ 0.034 χ^2 /NDF: 7049817.7/35

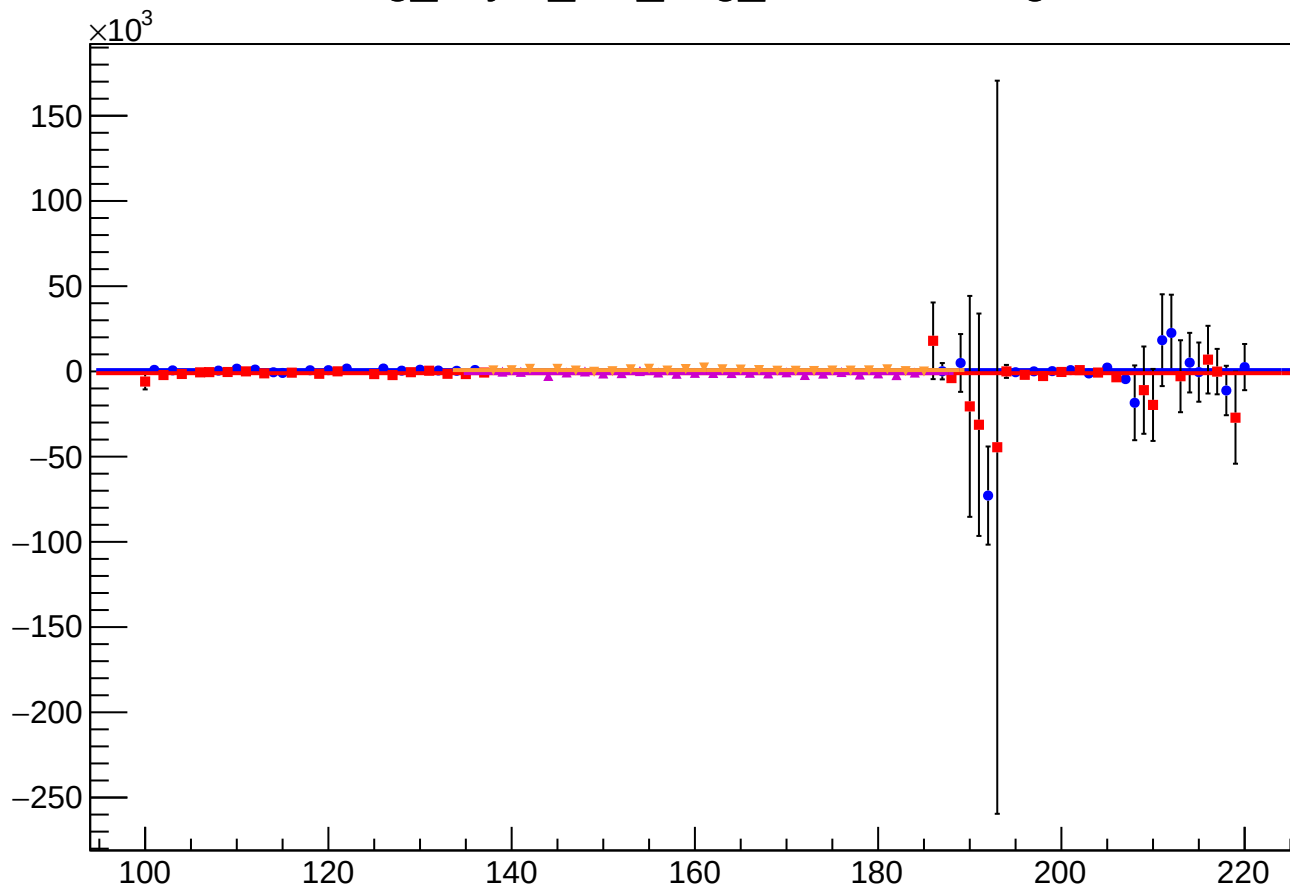
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.521 $\pm$ 0.019 χ^2 /NDF: 7385607.8/58

All: 132.560 $\pm$ 0.013 χ^2 /NDF: 14542597.0/11

- sign 133.652 $\pm$ 0.019 χ^2 /NDF: 7150662.1/58

reg_asym_left_avg_mean vs Slug



Right In: 767.204 $\pm$ 209.776 χ^2 /NDF: 21.7/32

Left Out: 784.371 $\pm$ 134.054 χ^2 /NDF: 19.2/23

Right Out: -1040.143 $\pm$ 207.223 χ^2 /NDF: 20.7/35

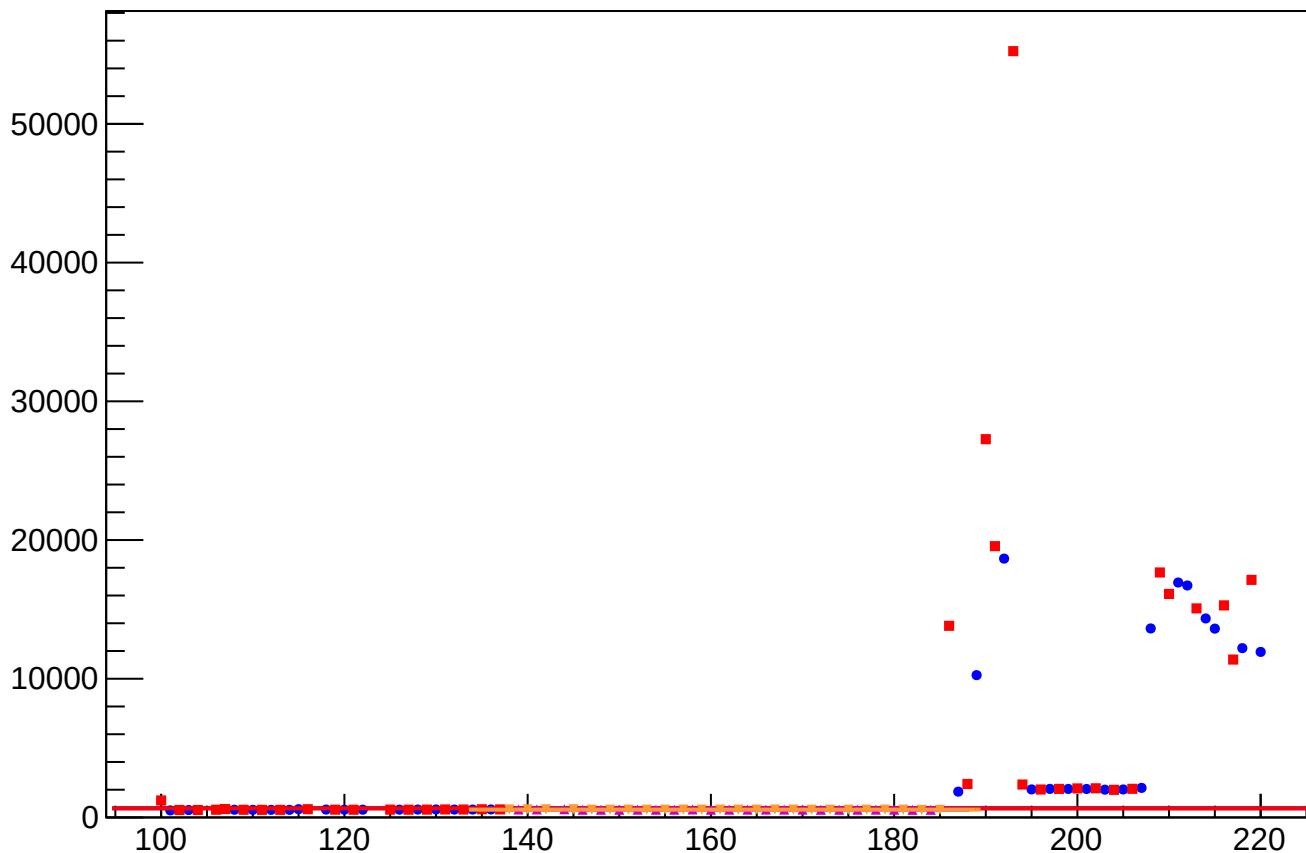
Left In: -974.402 $\pm$ 134.932 χ^2 /NDF: 27.4/22

+ sign 779.393 $\pm$ 112.959 χ^2 /NDF: 40.9/56

All: -106.394 $\pm$ 79.915 χ^2 /NDF: 212.3/115

- sign -993.976 $\pm$ 113.074 χ^2 /NDF: 48.3/58

reg_asym_left_avg_rms vs Slug



Right In: 663.204+/-0.148 χ^2/NDF : 14689390.3/32

Left Out: 564.143+/-0.095 χ^2/NDF : 9594.1/23

Right Out: 658.198+/-0.147 χ^2/NDF : 13208247.0/35

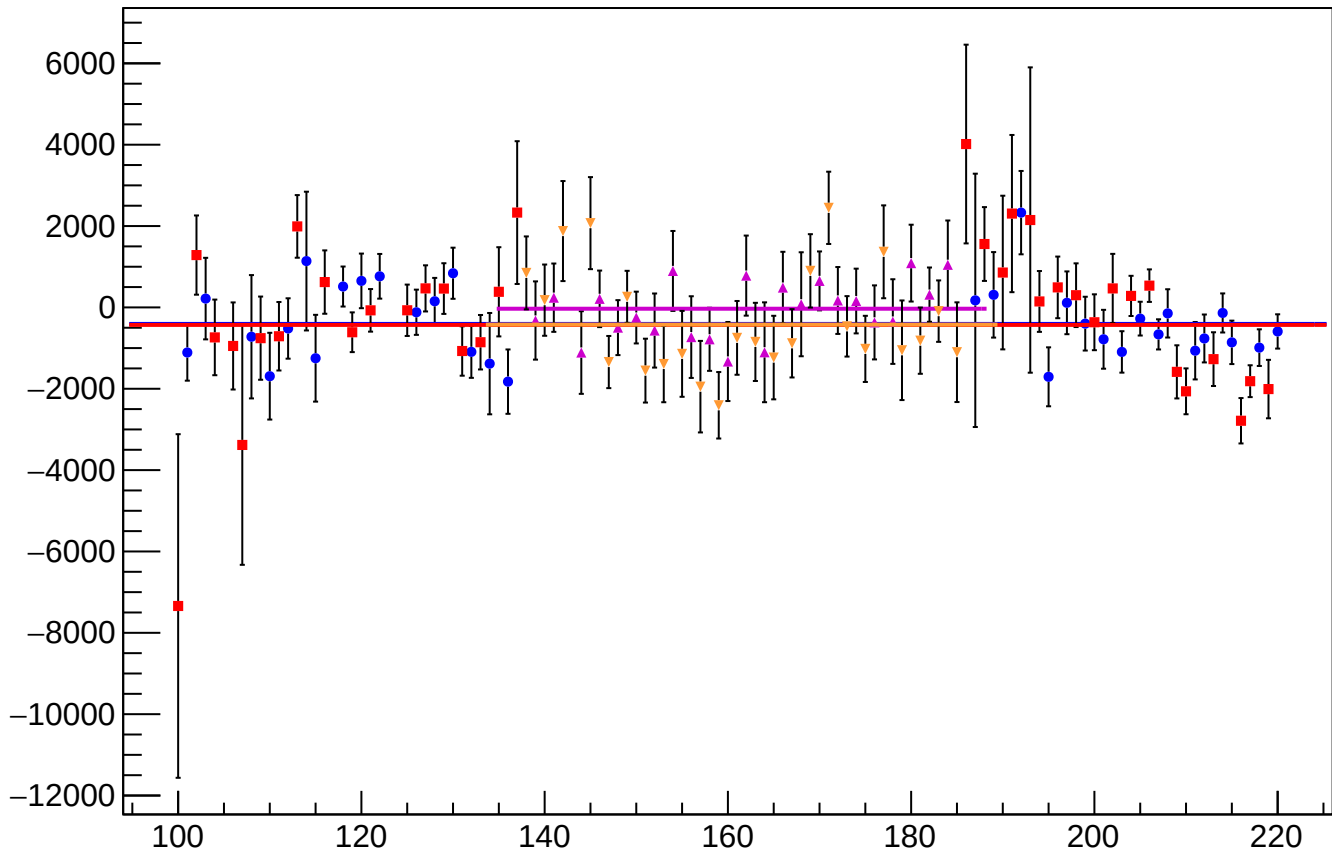
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 592.867+/-0.080 χ^2/NDF : 15015655.4/56

All: 592.592+/-0.057 χ^2/NDF : 28521006.0/11

- sign 592.316+/-0.080 χ^2/NDF : 13505326.9/58

asym_left_avg_correction_mean vs Slug



Right In: -406.296 ± 109.507 $\chi^2/\text{NDF}: 43.3/32$

Left Out: -422.681 ± 180.610 $\chi^2/\text{NDF}: 43.2/23$

Right Out: -430.158 ± 118.205 $\chi^2/\text{NDF}: 100.4/35$

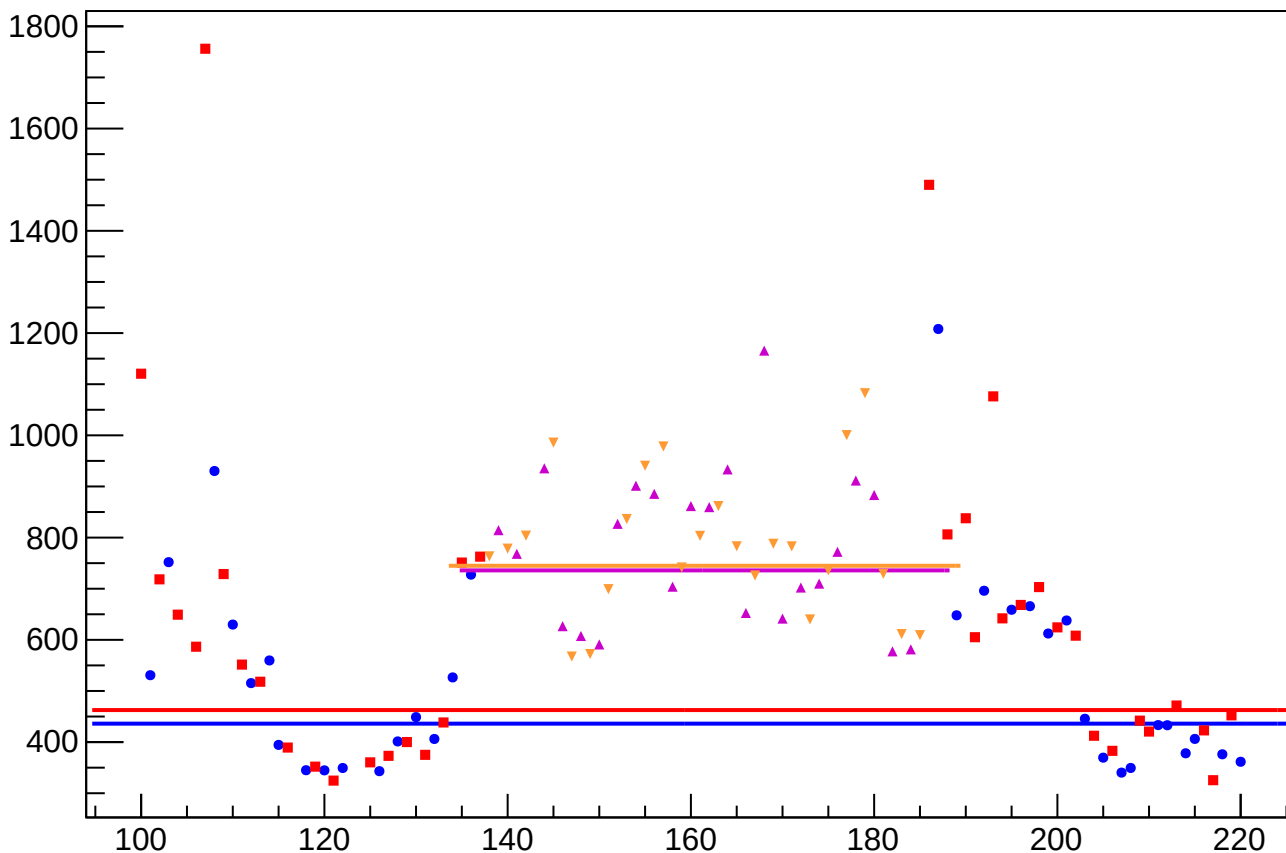
Left In: -32.411 ± 179.430 $\chi^2/\text{NDF}: 12.2/22$

+ sign -410.700 ± 93.640 $\chi^2/\text{NDF}: 86.5/56$

All: -362.899 ± 67.935 $\chi^2/\text{NDF}: 203.1/115$

- sign -309.781 ± 98.711 $\chi^2/\text{NDF}: 116.0/58$

asym_left_avg_correction_rms vs Slug



Right In: 436.080 ± 0.077 $\chi^2/\text{NDF}: 2415517.4/32$

Left Out: 744.909 ± 0.128 $\chi^2/\text{NDF}: 1008847.7/23$

Right Out: 462.655 ± 0.084 $\chi^2/\text{NDF}: 3244348.2/35$

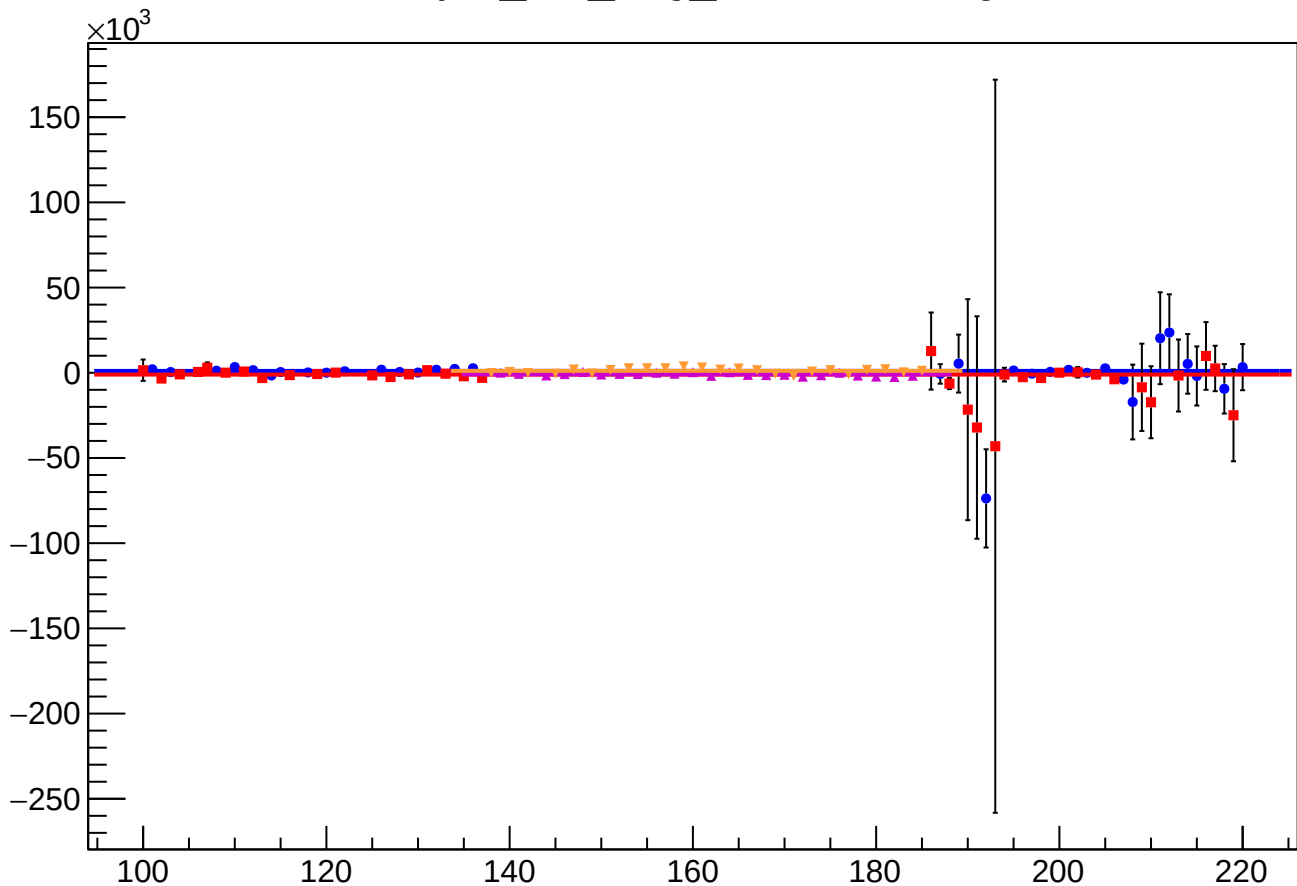
Left In: 735.850 ± 0.127 $\chi^2/\text{NDF}: 1105405.5/22$

+ sign 519.094 ± 0.066 $\chi^2/\text{NDF}: 7700180.7/56$

All: 531.524 ± 0.048 $\chi^2/\text{NDF}: 15357569.1/11$

- sign 545.336 ± 0.070 $\chi^2/\text{NDF}: 7582988.5/58$

asym_left_avg_mean vs Slug



Right In: 1091.808 $\pm$ 280.406 χ^2 /NDF: 27.5/32

Left Out: 1137.936 $\pm$ 228.834 χ^2 /NDF: 38.9/23

Right Out: -1061.813 $\pm$ 280.244 χ^2 /NDF: 31.6/35

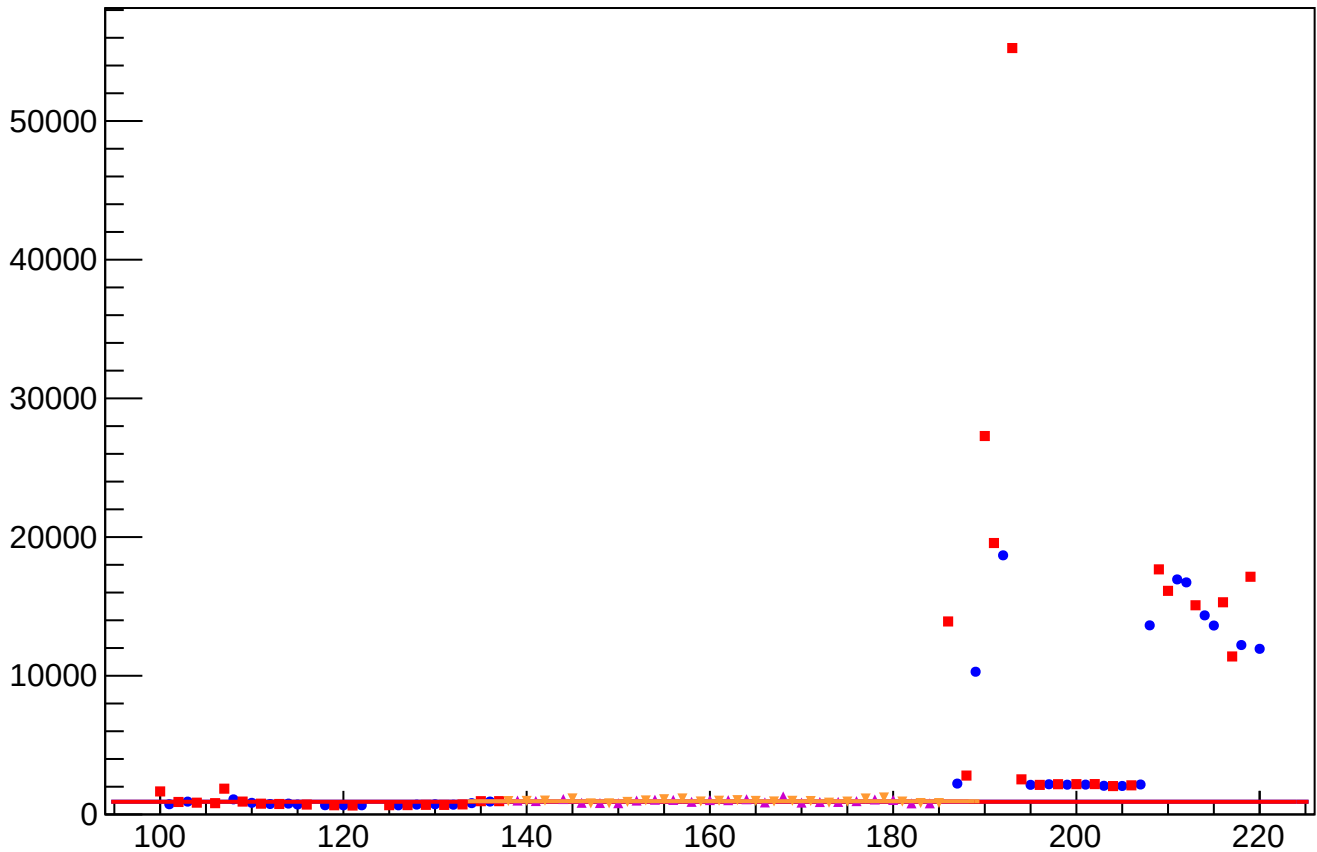
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1119.496 $\pm$ 177.290 χ^2 /NDF: 66.4/56

All: 63.280 $\pm$ 125.265 χ^2 /NDF: 183.7/115

- sign -989.621 $\pm$ 177.012 χ^2 /NDF: 46.5/58

asym_left_avg_rms vs Slug



Right In: 919.295+/-0.198 χ^2/NDF : 13168688.3/32

Left Out: 954.333+/-0.162 χ^2/NDF : 460147.5/23

Right Out: 914.214+/-0.198 χ^2/NDF : 12151429.2/35

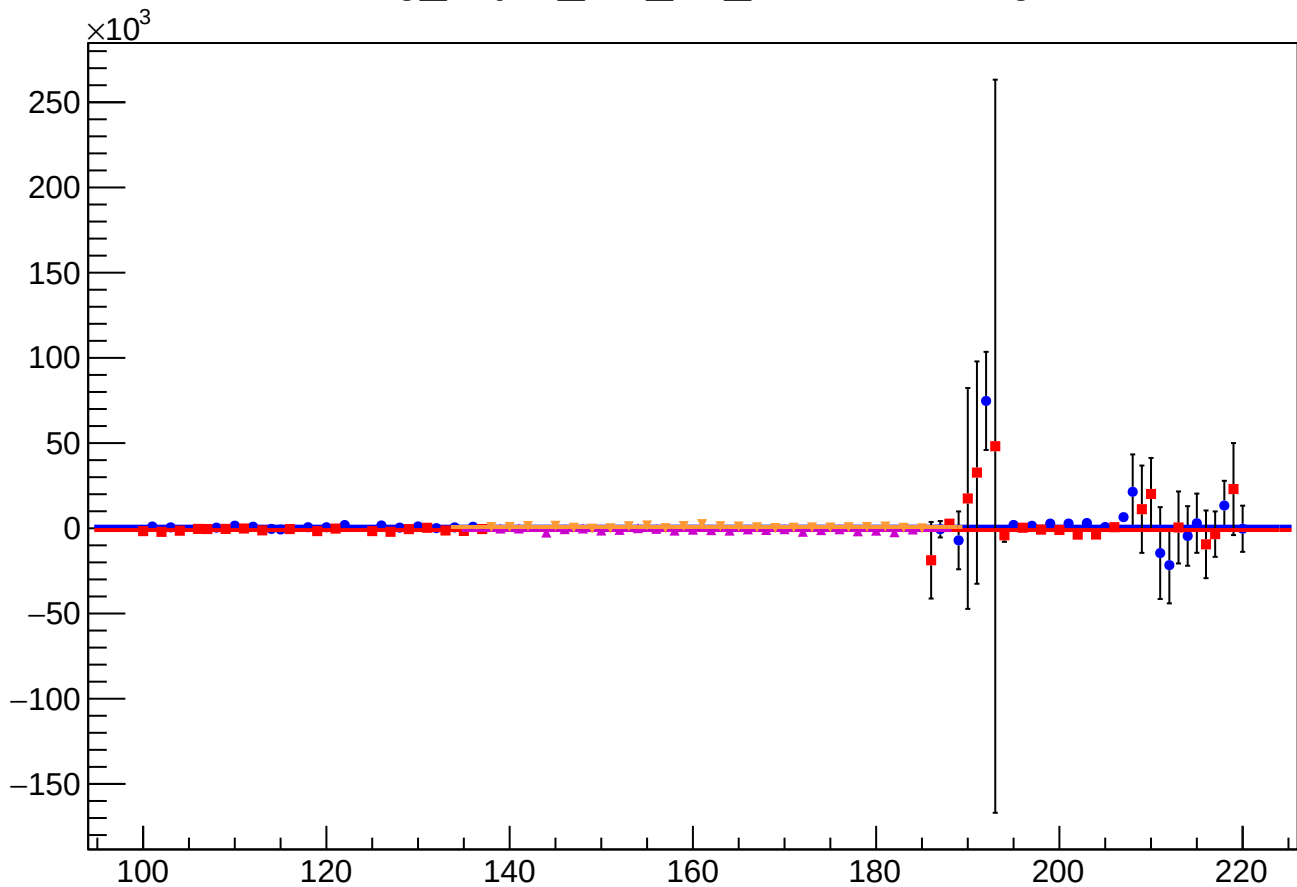
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 940.327+/-0.125 χ^2/NDF : 13647580.1/56

All: 936.989+/-0.089 χ^2/NDF : 26317818.5/11

- sign 933.663+/-0.125 χ^2/NDF : 12668823.3/58

reg_asym_left_dd_mean vs Slug



Right In: 959.386 $\pm$ 209.645 χ^2 /NDF: 24.5/32

Left Out: 757.642 $\pm$ 133.942 χ^2 /NDF: 21.0/23

Right Out: -1015.218 $\pm$ 202.613 χ^2 /NDF: 21.1/35

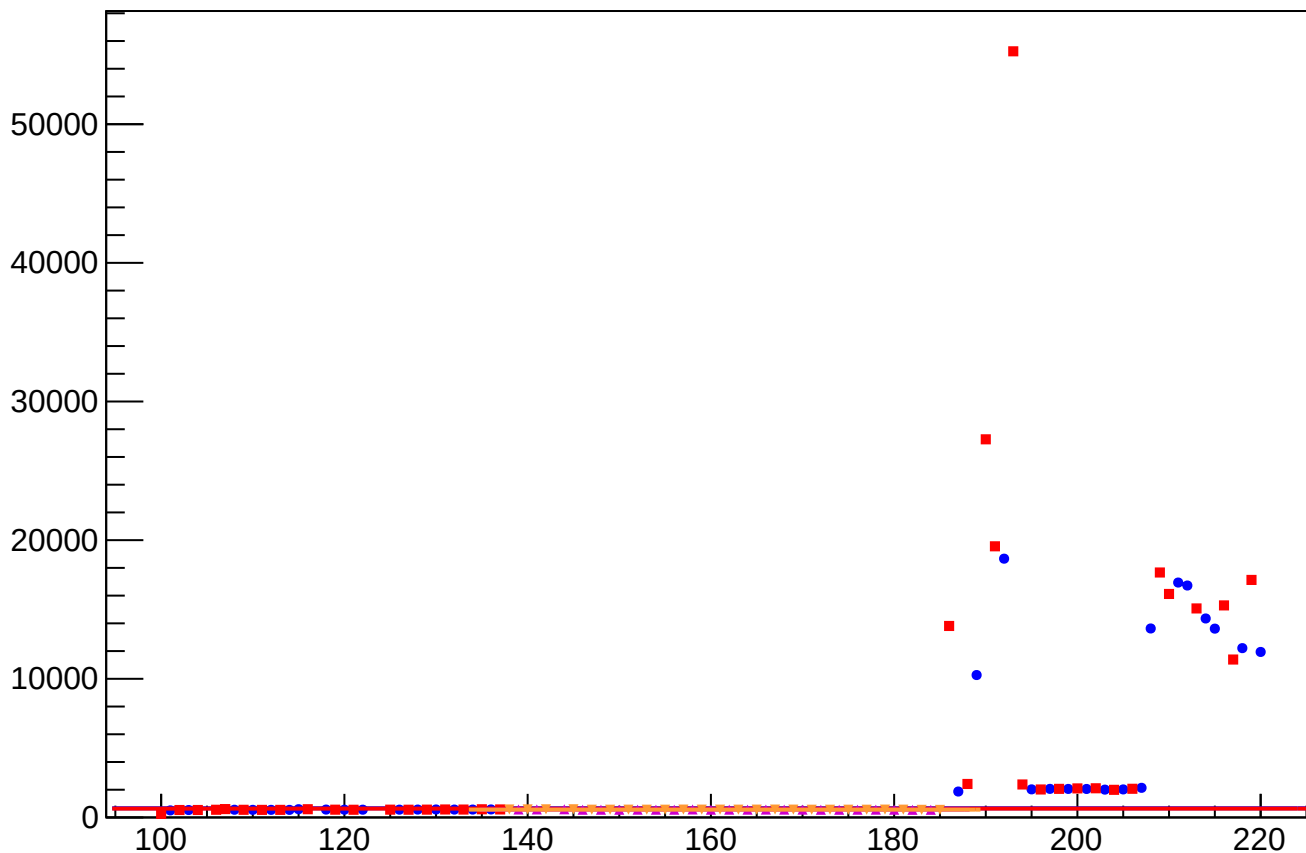
Left In: -958.517 $\pm$ 134.824 χ^2 /NDF: 26.8/22

+ sign 816.122 $\pm$ 112.872 χ^2 /NDF: 46.2/56

All: -84.893 $\pm$ 79.590 χ^2 /NDF: 220.9/115

- sign -975.918 $\pm$ 112.245 χ^2 /NDF: 48.0/58

reg_asym_left_dd_rms vs Slug



Right In: 662.563 $\pm$ 0.148 χ^2 /NDF: 14704097.6/32

Left Out: 563.675 $\pm$ 0.095 χ^2 /NDF: 9542.9/23

Right Out: 638.477 $\pm$ 0.143 χ^2 /NDF: 13527026.4/35

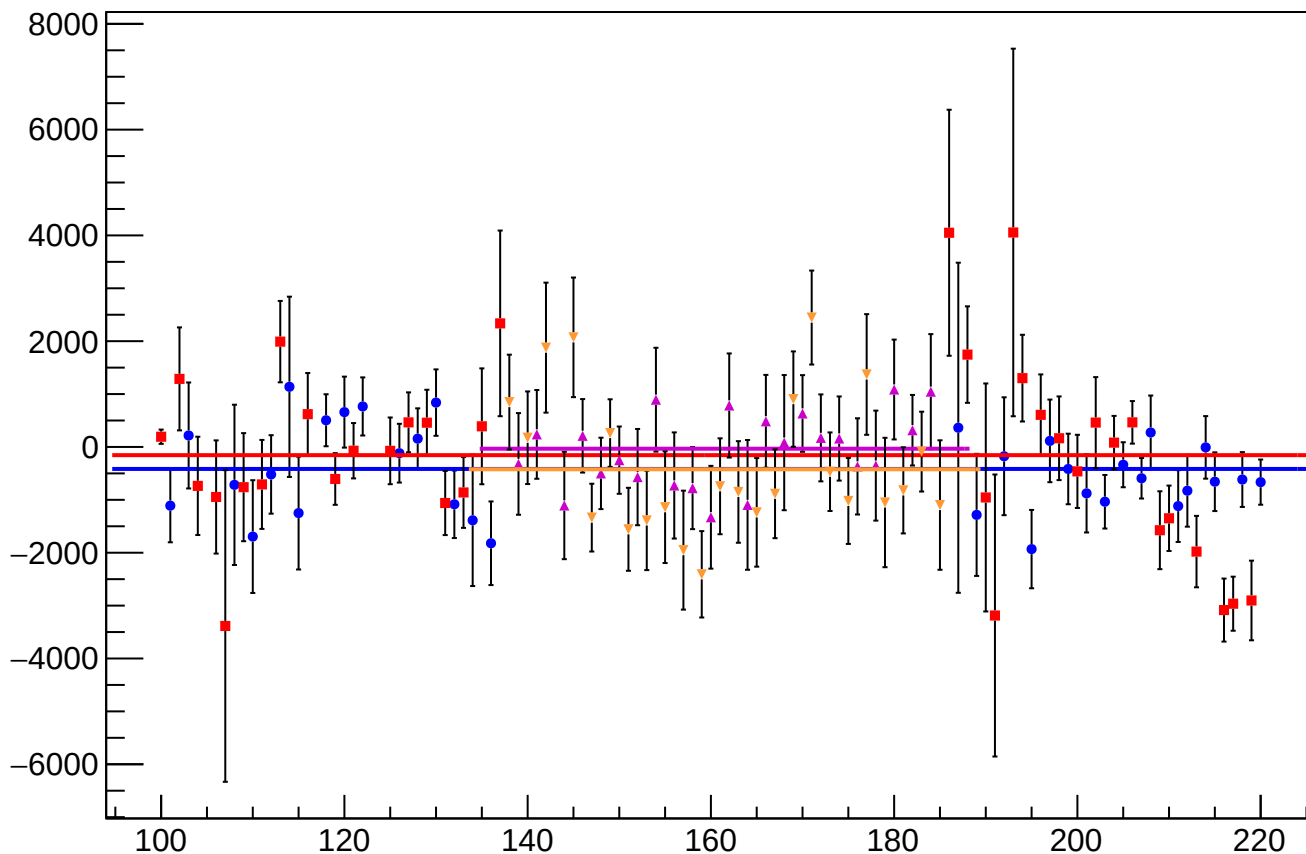
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

+ sign 592.339 $\pm$ 0.080 χ^2 /NDF: 15029640.9/56

All: 589.560 $\pm$ 0.056 χ^2 /NDF: 28755915.4/11

- sign 586.811 $\pm$ 0.079 χ^2 /NDF: 13723862.6/58

asym_left_dd_correction_mean vs Slug



Right In: -415.891 ± 113.423 χ^2/NDF : 36.2/32

Left Out: -422.324 ± 180.531 χ^2/NDF : 43.3/23

Right Out: -155.222 ± 90.841 χ^2/NDF : 129.8/35

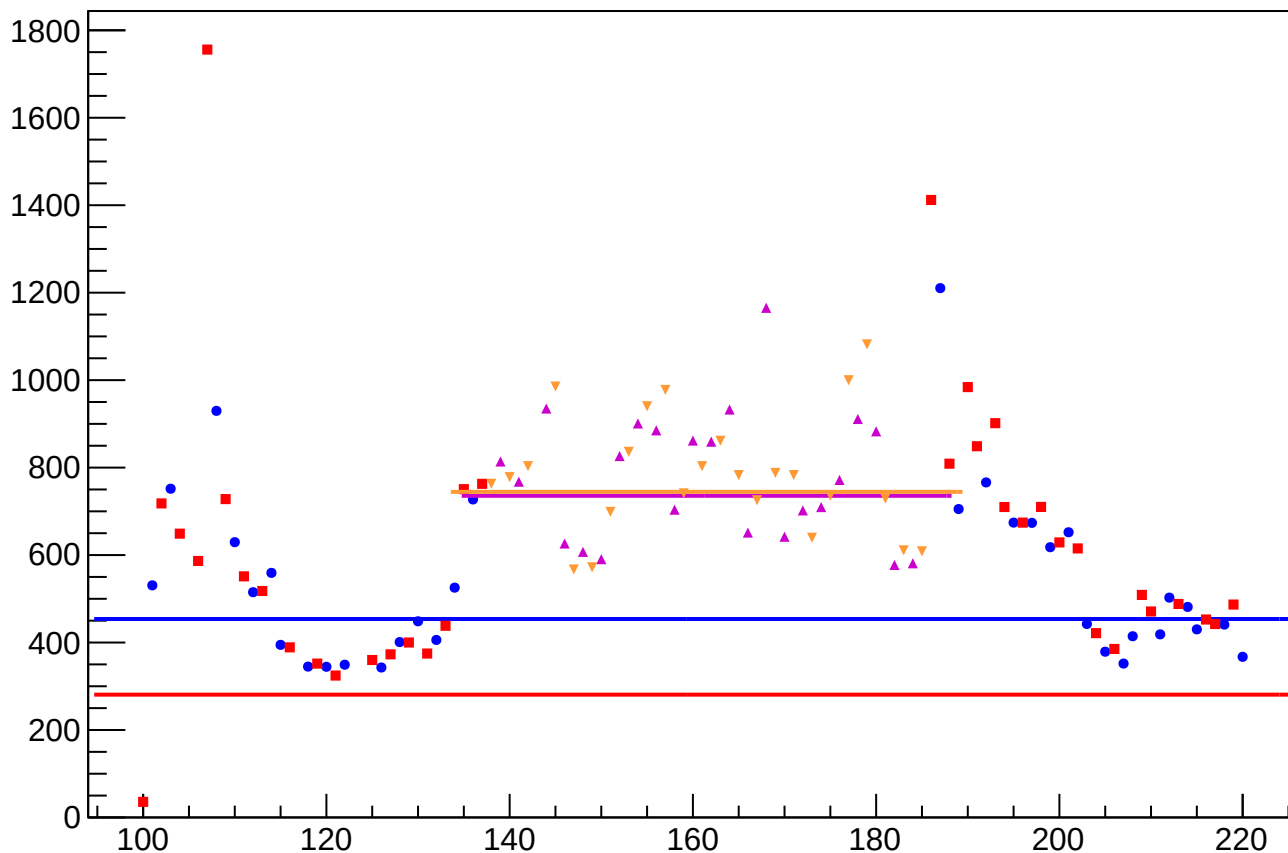
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -417.711 ± 96.041 χ^2/NDF : 79.5/56

All: -249.851 ± 61.936 χ^2/NDF : 226.9/115

- sign -130.336 ± 81.039 χ^2/NDF : 142.2/58

asym_left_dd_correction_rms vs Slug



Right In: 453.787 $\pm$ 0.080 χ^2 /NDF: 2345498.4/32

Left Out: 744.597 $\pm$ 0.128 χ^2 /NDF: 1009604.0/23

Right Out: 280.825 $\pm$ 0.064 χ^2 /NDF: 15051364.6/35

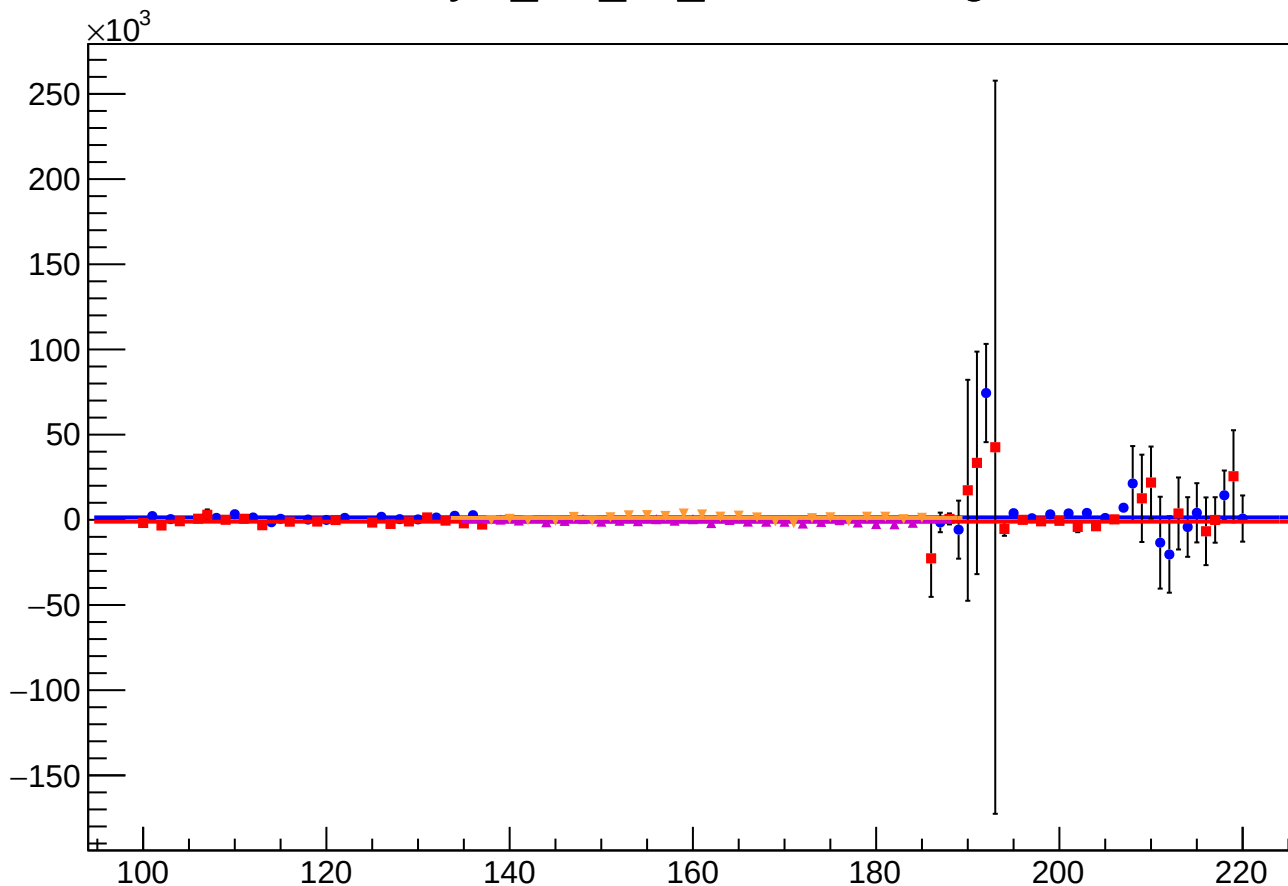
Left In: 735.543 $\pm$ 0.127 χ^2 /NDF: 1105222.3/22

+ sign 536.090 $\pm$ 0.068 χ^2 /NDF: 7076053.8/56

All: 441.211 $\pm$ 0.044 χ^2 /NDF: 36805217.3/11

- sign 373.658 $\pm$ 0.057 χ^2 /NDF: 26387509.1/58

asym_left_dd_mean vs Slug



Right In: 1411.376 $\pm$ 280.310 χ^2/NDF : 31.9/32

Left Out: 1105.144 $\pm$ 228.700 χ^2/NDF : 38.3/23

Right Out: -1067.524 $\pm$ 269.361 χ^2/NDF : 30.6/35

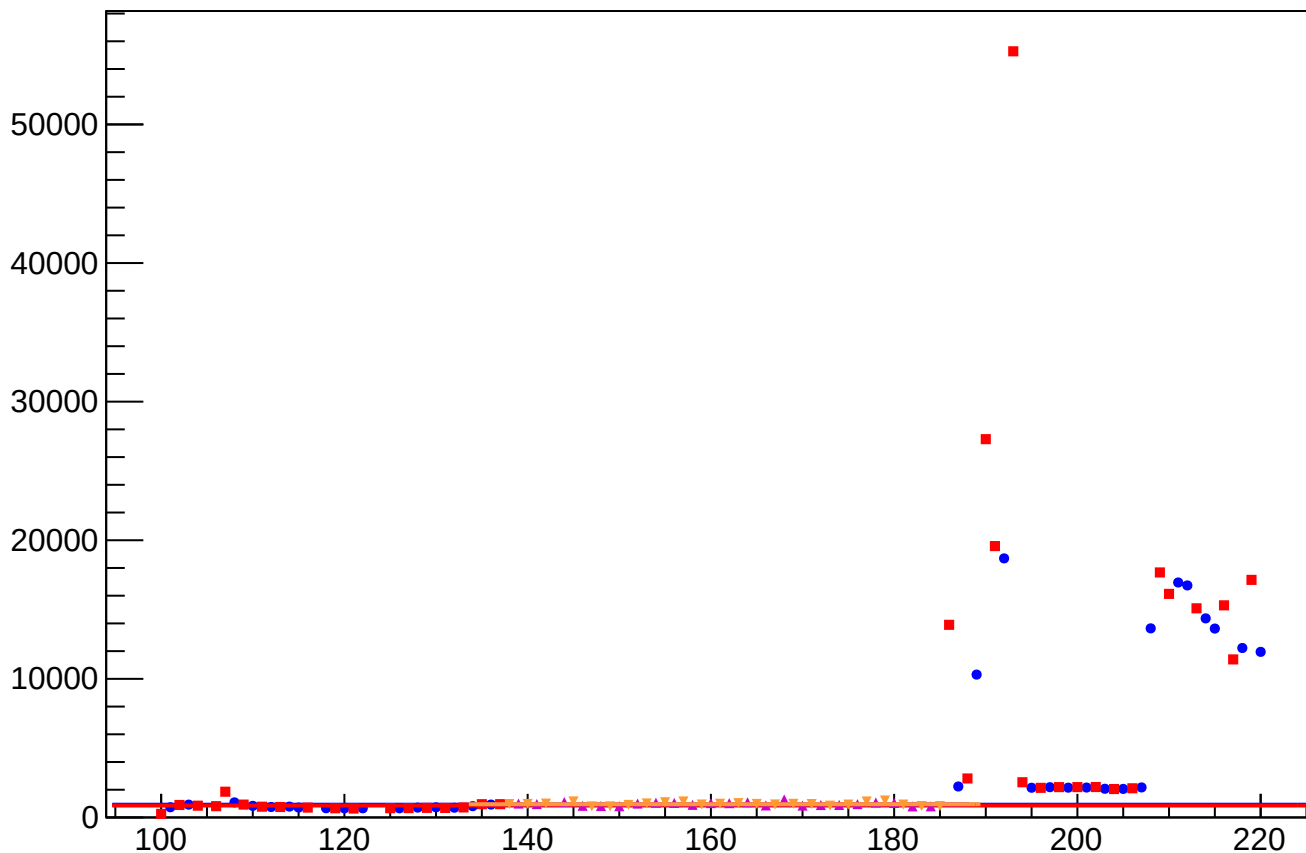
Left In: -926.281 $\pm$ 228.196 χ^2/NDF : 15.1/22

+ sign 1227.526 $\pm$ 177.204 χ^2/NDF : 70.9/56

All: 101.658 $\pm$ 124.195 χ^2/NDF : 196.1/115

- sign -985.296 $\pm$ 174.114 χ^2/NDF : 45.9/58

asym_left_dd_rms vs Slug



Right In: 918.536+/-0.198 χ^2/NDF : 13190528.5/32

Left Out: 953.781+/-0.162 χ^2/NDF : 460211.0/23

Right Out: 861.355+/-0.190 χ^2/NDF : 12986615.9/35

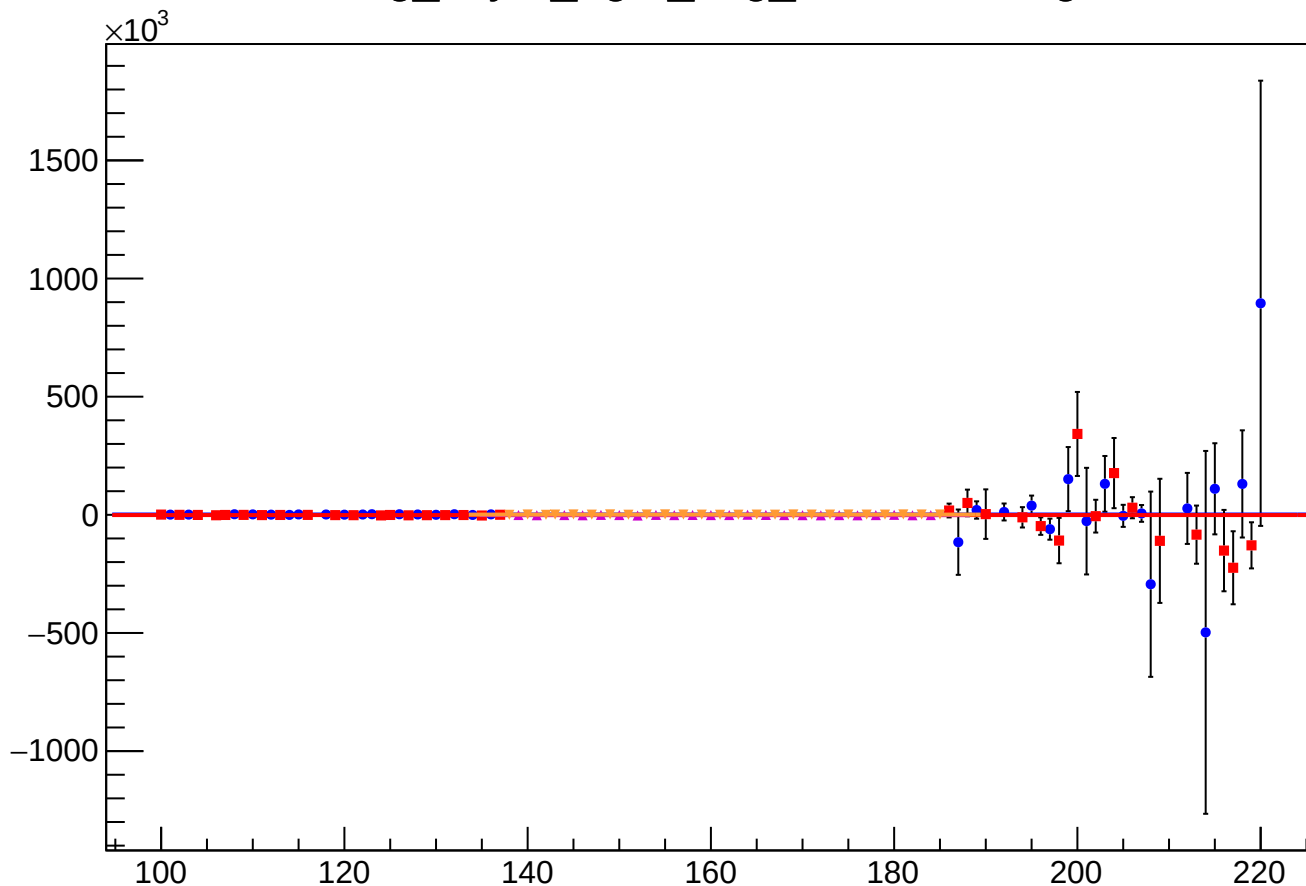
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 939.696+/-0.125 χ^2/NDF : 13669721.9/56

All: 924.921+/-0.088 χ^2/NDF : 27300197.8/1

- sign 910.656+/-0.123 χ^2/NDF : 13603148.2/58

reg_asym_right_avg_mean vs Slug



Right In: 1325.424 ± 218.578 $\chi^2/\text{NDF}: 21.6/32$

Left Out: 1073.626 ± 129.690 $\chi^2/\text{NDF}: 15.1/24$

Right Out: -1041.099 ± 212.060 $\chi^2/\text{NDF}: 28.5/33$

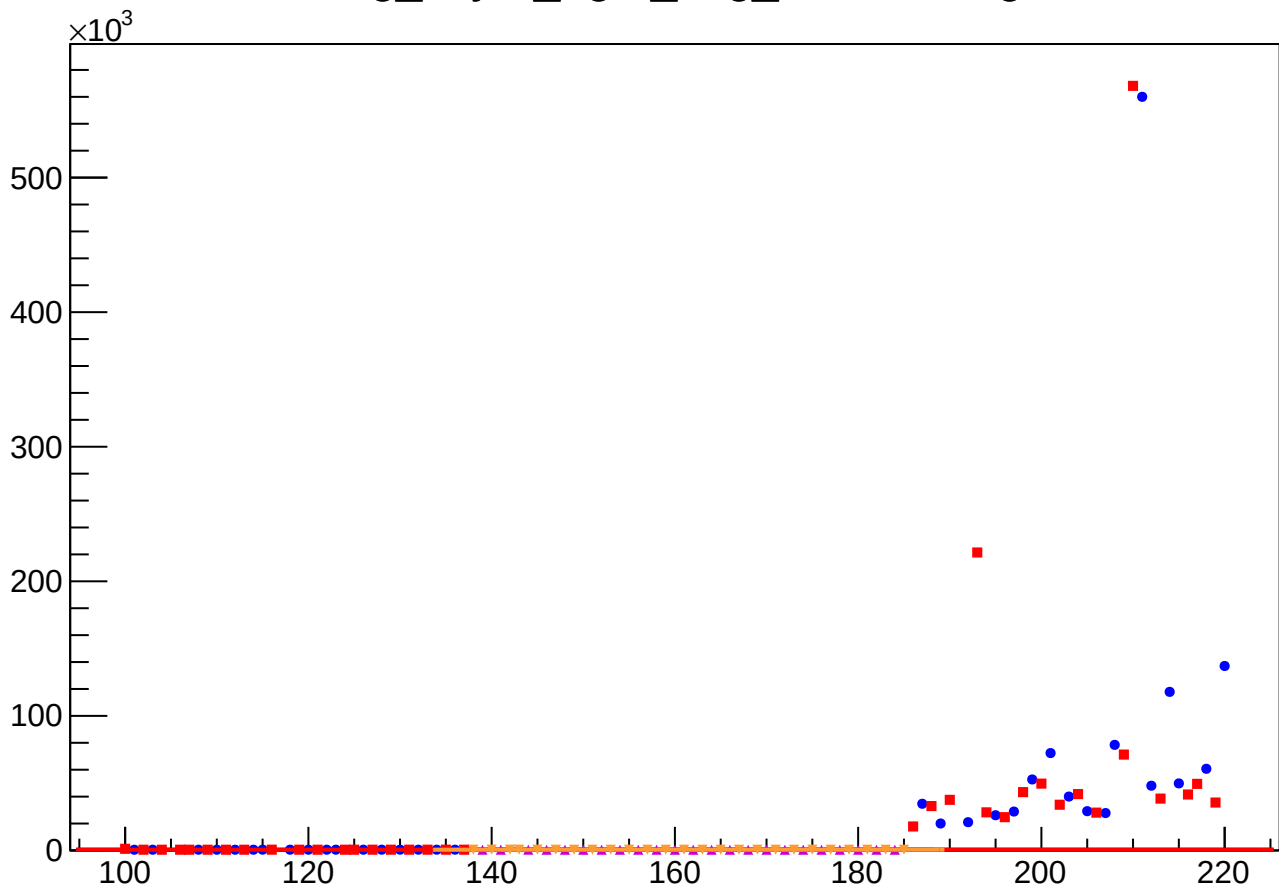
Left In: -1123.857 ± 133.163 $\chi^2/\text{NDF}: 30.0/22$

+ sign 1139.189 ± 111.535 $\chi^2/\text{NDF}: 37.7/57$

All: 31.726 ± 79.301 $\chi^2/\text{NDF}: 295.7/114$

- sign -1100.452 ± 112.772 $\chi^2/\text{NDF}: 58.6/56$

reg_asym_right_avg_rms vs Slug



Right In: 568.802 $\pm$ 0.155 χ^2 /NDF: 6532925.4/33

Left Out: 557.534 $\pm$ 0.092 χ^2 /NDF: 14752.8/24

Right Out: 570.199 $\pm$ 0.150 χ^2 /NDF: 6524658.2/35

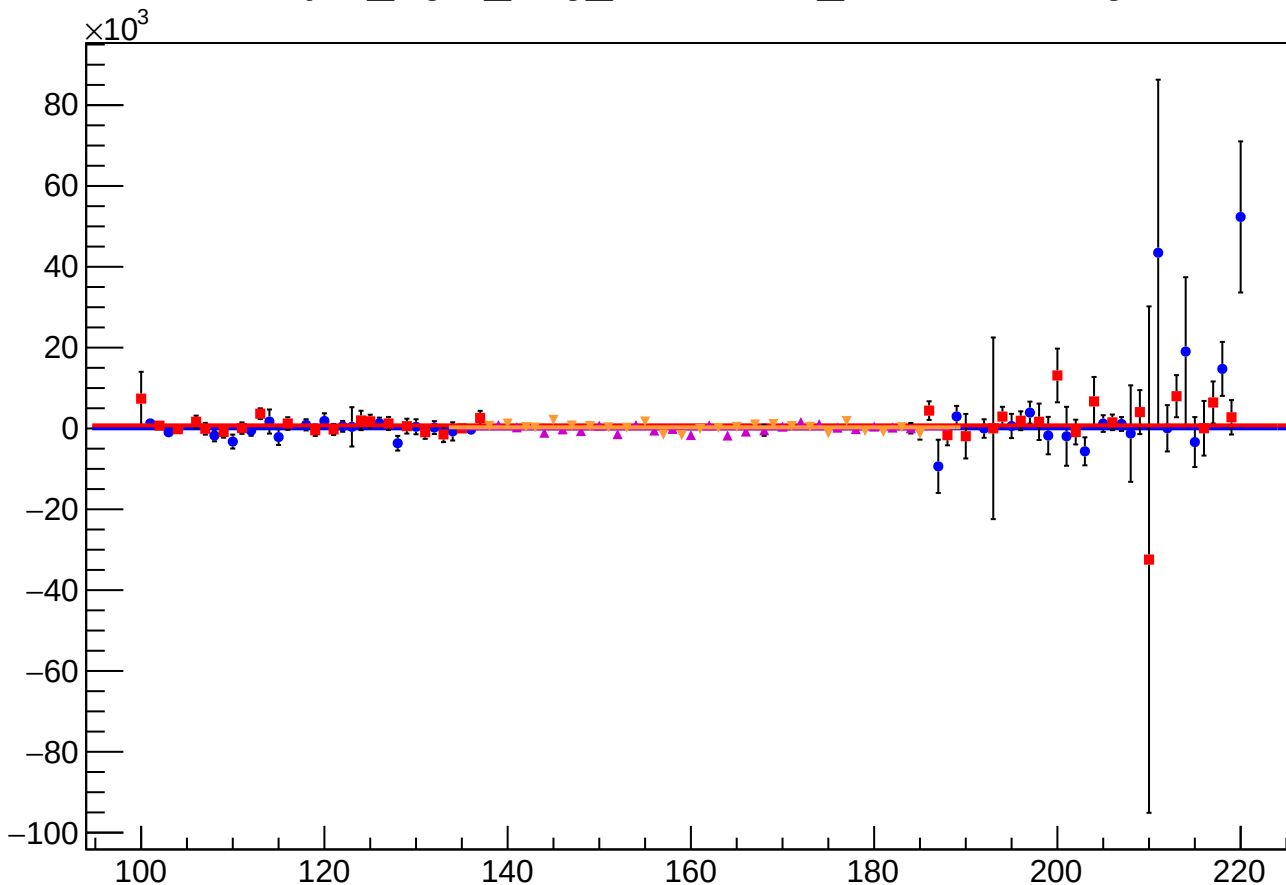
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 560.468 $\pm$ 0.079 χ^2 /NDF: 6551609.0/58

All: 560.588 $\pm$ 0.056 χ^2 /NDF: 13093064.3/11

- sign 560.710 $\pm$ 0.080 χ^2 /NDF: 6541450.7/58

asym_right_avg_correction_mean vs Slug



Right In: 35.887 ± 305.654 χ^2/NDF : 41.4/33

Left Out: 281.875 ± 180.423 χ^2/NDF : 26.7/24

Right Out: 768.603 ± 309.849 χ^2/NDF : 28.6/35

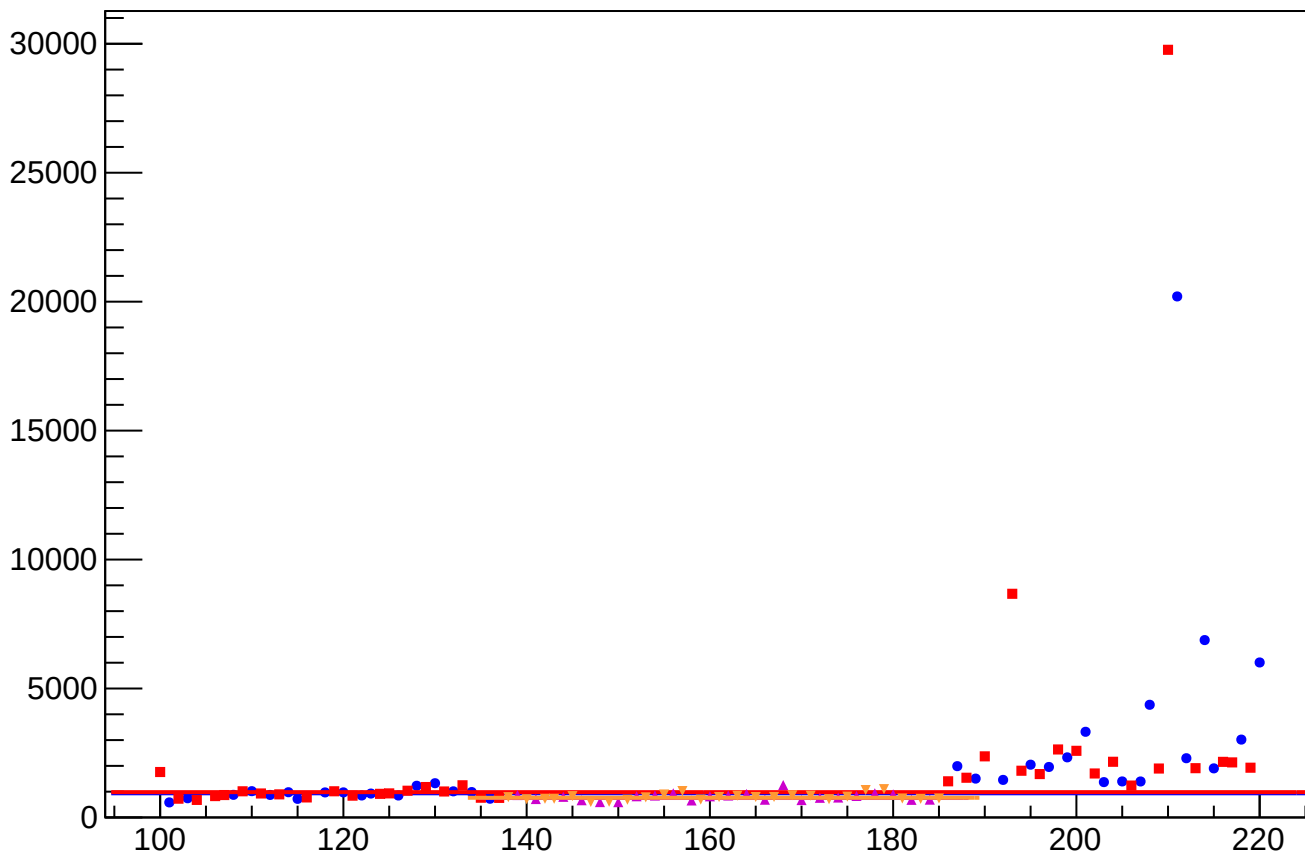
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 218.311 ± 155.374 χ^2/NDF : 68.6/58

All: 211.989 ± 110.718 χ^2/NDF : 121.8/117

- sign 205.466 ± 157.813 χ^2/NDF : 53.2/58

asym_right_avg_correction_rms vs Slug



Right In: 936.849 $\pm$ 0.216 χ^2 /NDF: 3619055.6/33

Left Out: 763.085 $\pm$ 0.128 χ^2 /NDF: 753700.1/24

Right Out: 981.424 $\pm$ 0.219 χ^2 /NDF: 3014571.6/35

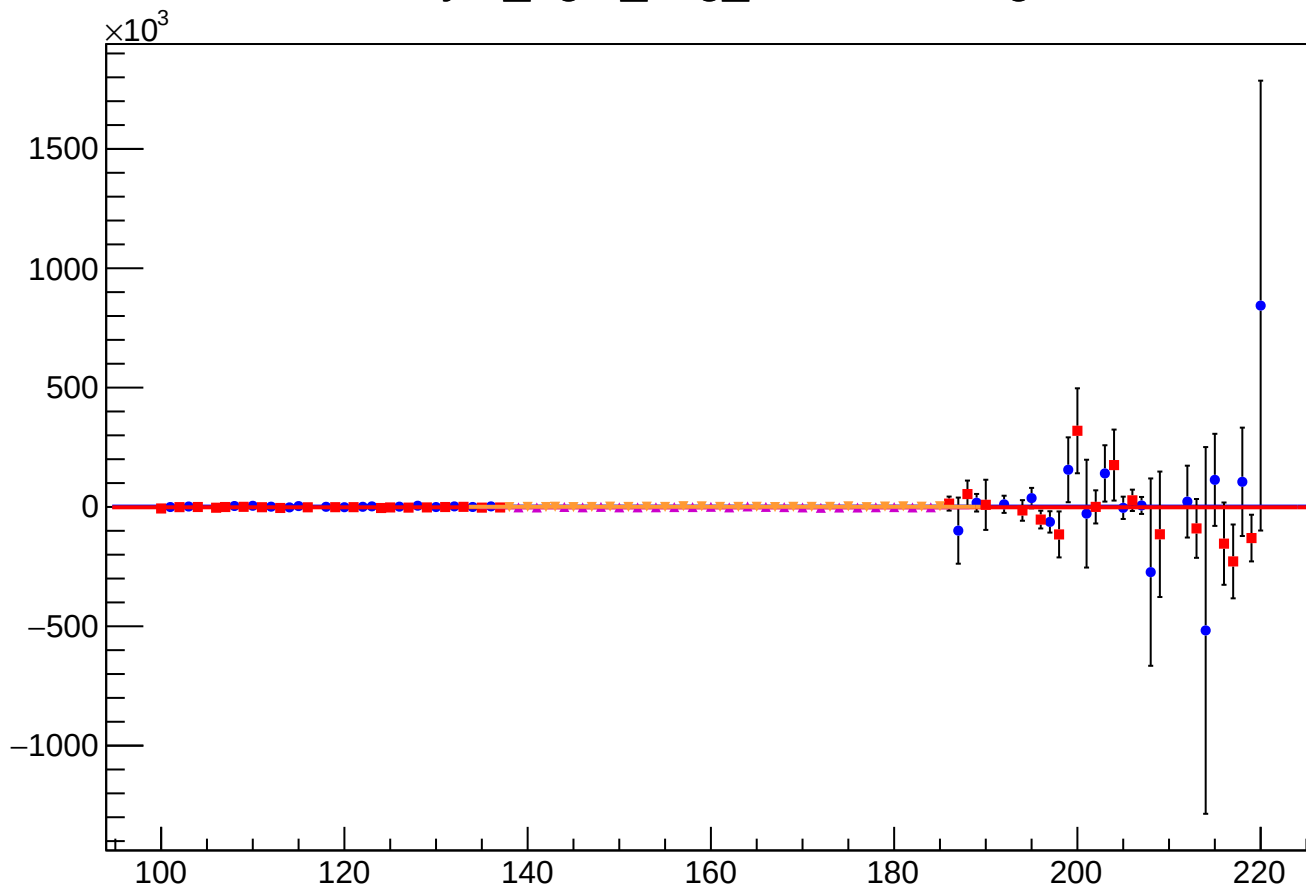
Left In: 754.099 $\pm$ 0.130 χ^2 /NDF: 931829.3/22

+ sign 807.986 $\pm$ 0.110 χ^2 /NDF: 4852117.2/58

All: 810.489 $\pm$ 0.078 χ^2 /NDF: 9596850.5/117

- sign 813.070 $\pm$ 0.112 χ^2 /NDF: 4743679.1/58

asym_right_avg_mean vs Slug



Right In: 1501.980 ± 402.533 χ^2/NDF : 25.7/32

Left Out: 739.641 ± 225.535 χ^2/NDF : 21.5/24

Right Out: -1491.362 ± 400.590 χ^2/NDF : 27.1/33

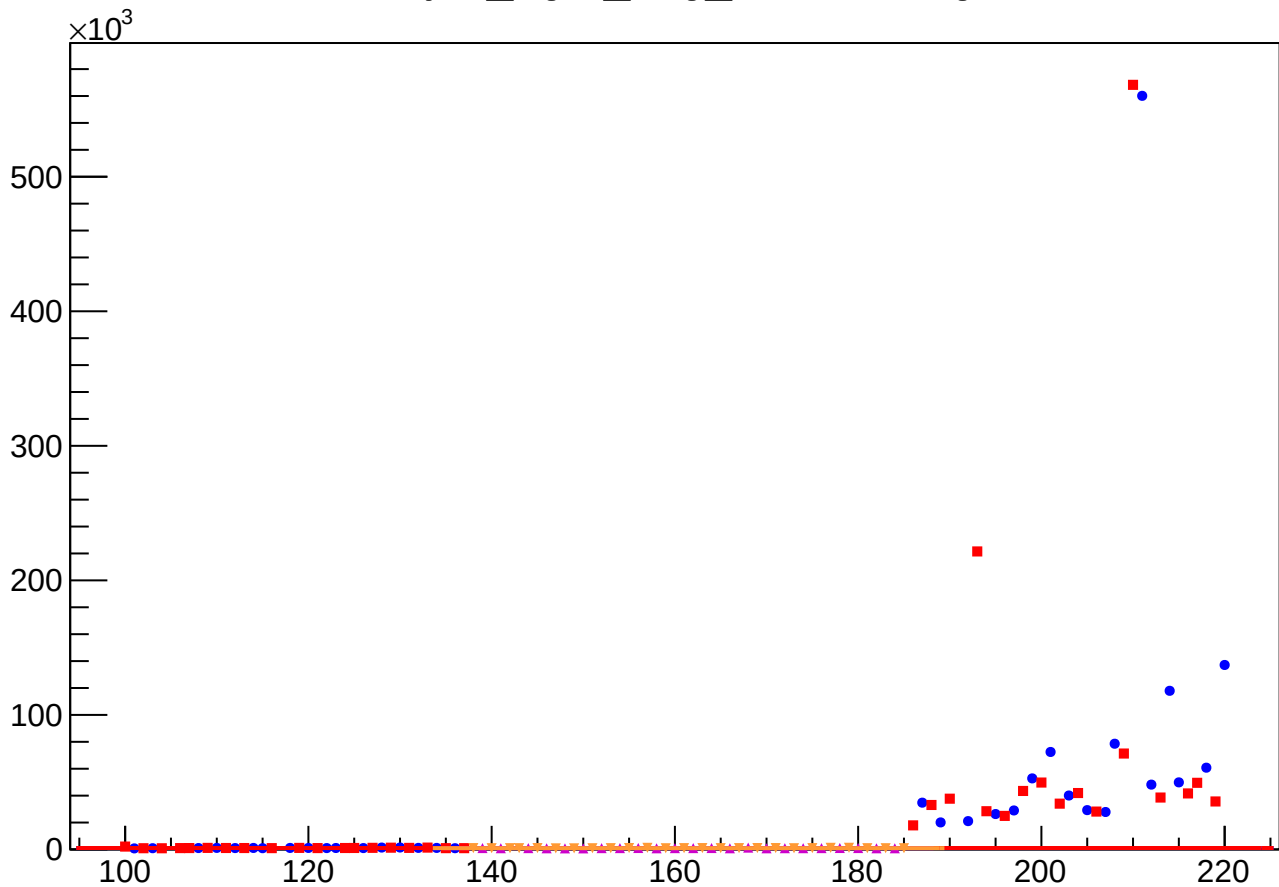
Left In: -1124.587 ± 230.065 χ^2/NDF : 25.4/22

+ sign 921.780 ± 196.756 χ^2/NDF : 49.9/57

All: -132.070 ± 140.089 χ^2/NDF : 161.2/114

- sign -1215.558 ± 199.504 χ^2/NDF : 53.1/56

asym_right_avg_rms vs Slug



Right In: 1039.570 $\pm$ 0.285 χ^2 /NDF: 6657929.8/33

Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF: 362937.6/24

Right Out: 1074.923 $\pm$ 0.283 χ^2 /NDF: 6501245.2/35

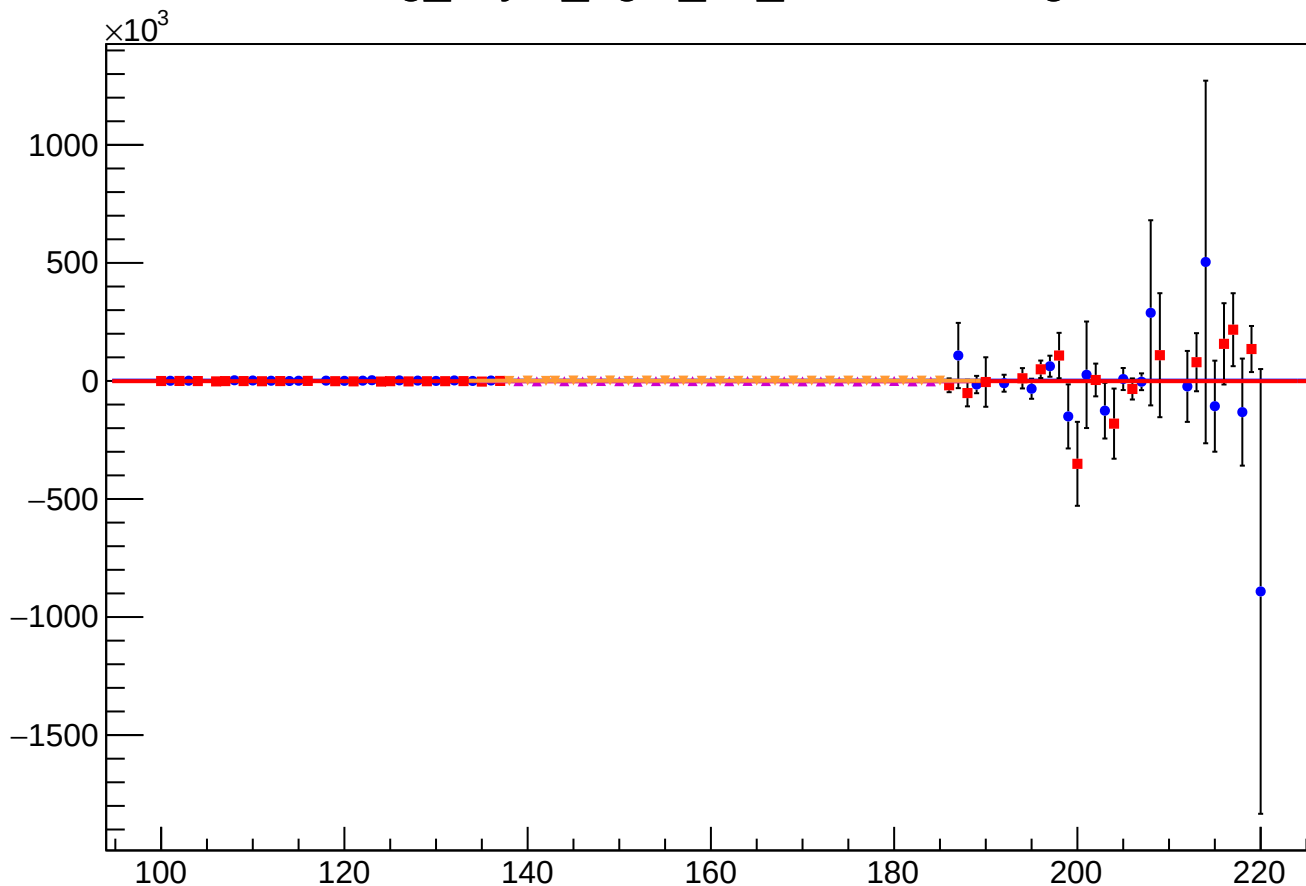
Left In: 954.643 $\pm$ 0.163 χ^2 /NDF: 443395.0/22

+ sign 980.728 $\pm$ 0.139 χ^2 /NDF: 7077020.9/58

All: 982.576 $\pm$ 0.099 χ^2 /NDF: 14157605.0/11

- sign 984.476 $\pm$ 0.141 χ^2 /NDF: 7080226.2/58

reg_asym_right_dd_mean vs Slug



Right In: 1344.165+/-218.833 χ^2/NDF : 20.4/32

Left Out: 1087.627+/-129.821 χ^2/NDF : 14.9/24

Right Out: -964.579+/-208.596 χ^2/NDF : 27.9/33

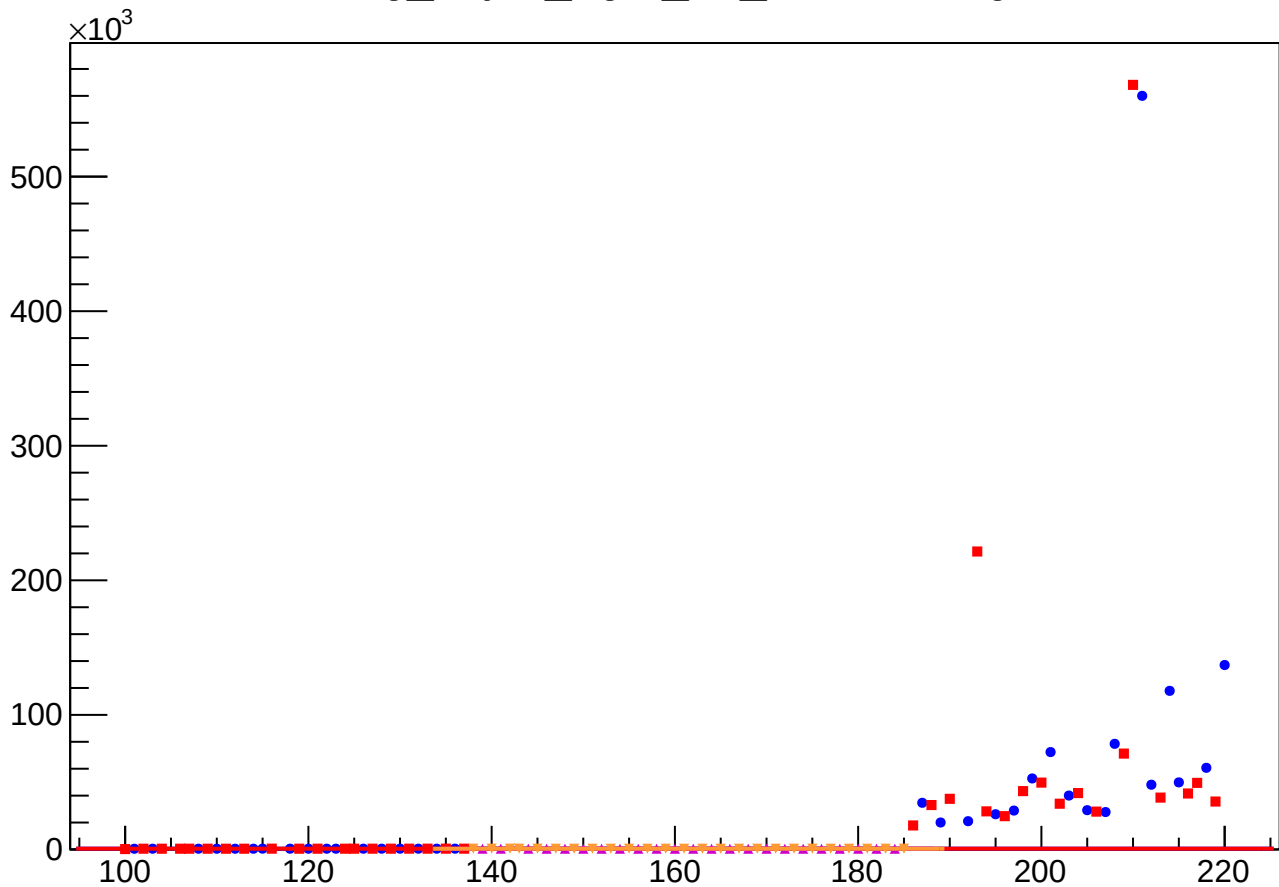
Left In: -1189.481+/-133.313 χ^2/NDF : 32.2/22

+ sign 1154.409+/-111.652 χ^2/NDF : 36.4/57

All: 21.989+/-79.189 χ^2/NDF : 304.2/114

- sign -1124.260+/-112.332 χ^2/NDF : 60.8/56

reg_asym_right_dd_rms vs Slug



Right In: 569.466 $\pm$ 0.155 χ^2 /NDF: 6533098.5/33

Left Out: 558.099 $\pm$ 0.092 χ^2 /NDF:14785.2/24

Right Out: 559.177 $\pm$ 0.147 χ^2 /NDF: 6612809.4/35

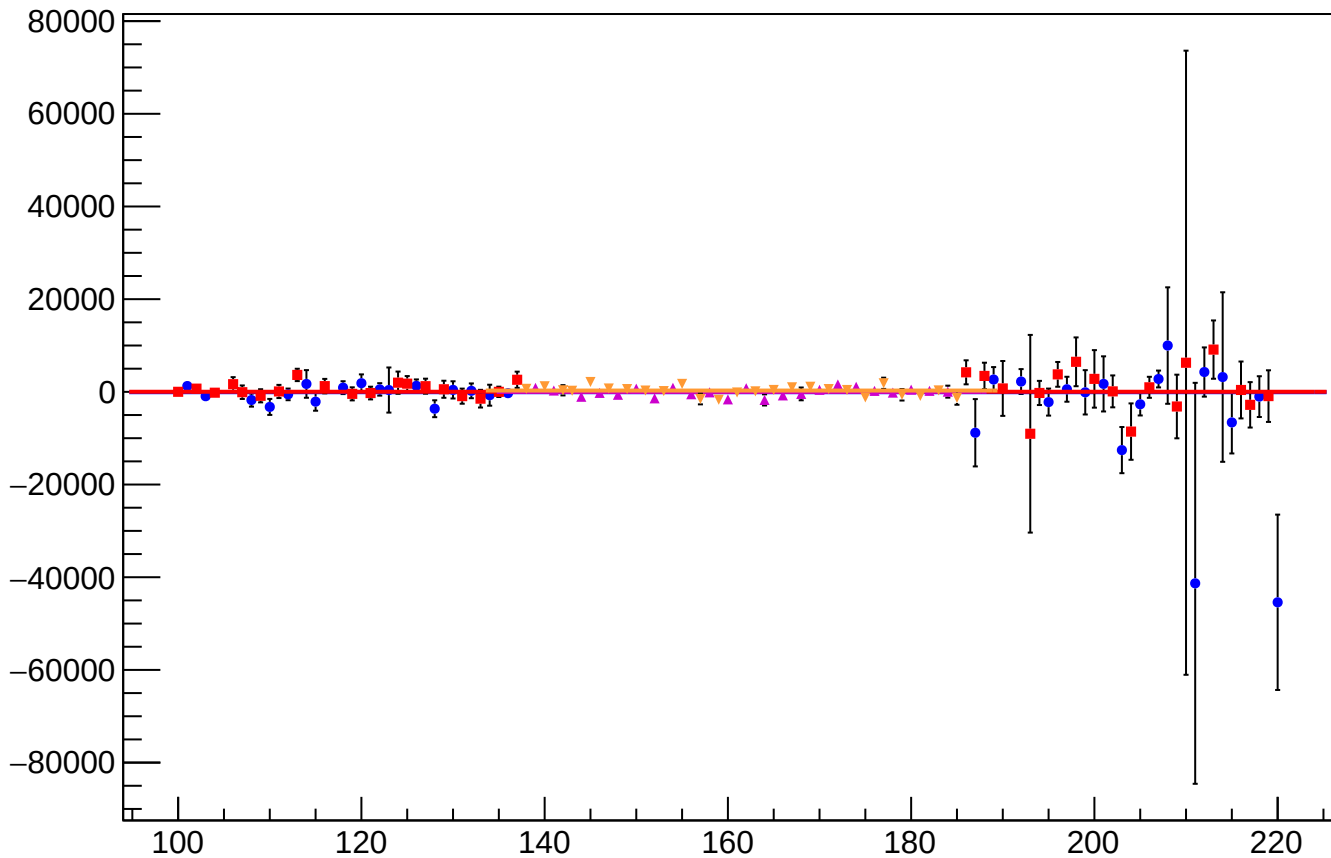
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

+ sign 561.058 $\pm$ 0.079 χ^2 /NDF: 6551874.9/58

All: 559.566 $\pm$ 0.056 χ^2 /NDF: 13176761.7/11

- sign 558.055 $\pm$ 0.079 χ^2 /NDF: 6624167.7/58

asym_right_dd_correction_mean vs Slug



Right In: -78.506 ± 308.096 χ^2/NDF : 39.8/33

Left Out: 281.402 ± 180.478 χ^2/NDF : 26.8/24

Right Out: 22.845 ± 38.922 χ^2/NDF : 28.7/35

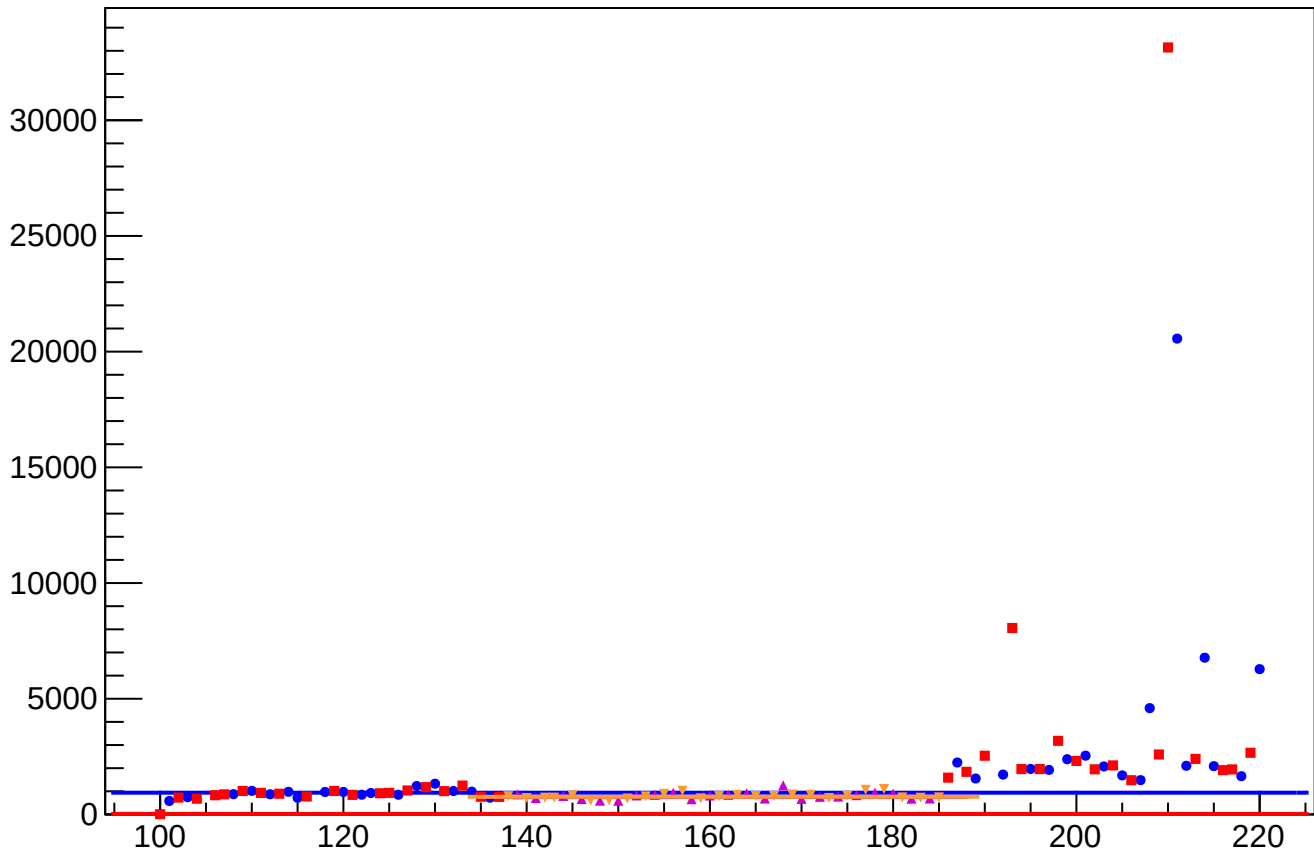
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 189.453 ± 155.727 χ^2/NDF : 67.7/58

All: 31.612 ± 36.986 χ^2/NDF : 117.6/117

- sign 22.176 ± 38.075 χ^2/NDF : 48.8/58

asym_right_dd_correction_rms vs Slug



Right In: 940.615 $\pm$ 0.218 χ^2 /NDF: 3682622.6/33

Left Out: 763.307 $\pm$ 0.128 χ^2 /NDF: 753728.9/24

Right Out: 24.979 $\pm$ 0.028 χ^2 /NDF: 22545671.3/35

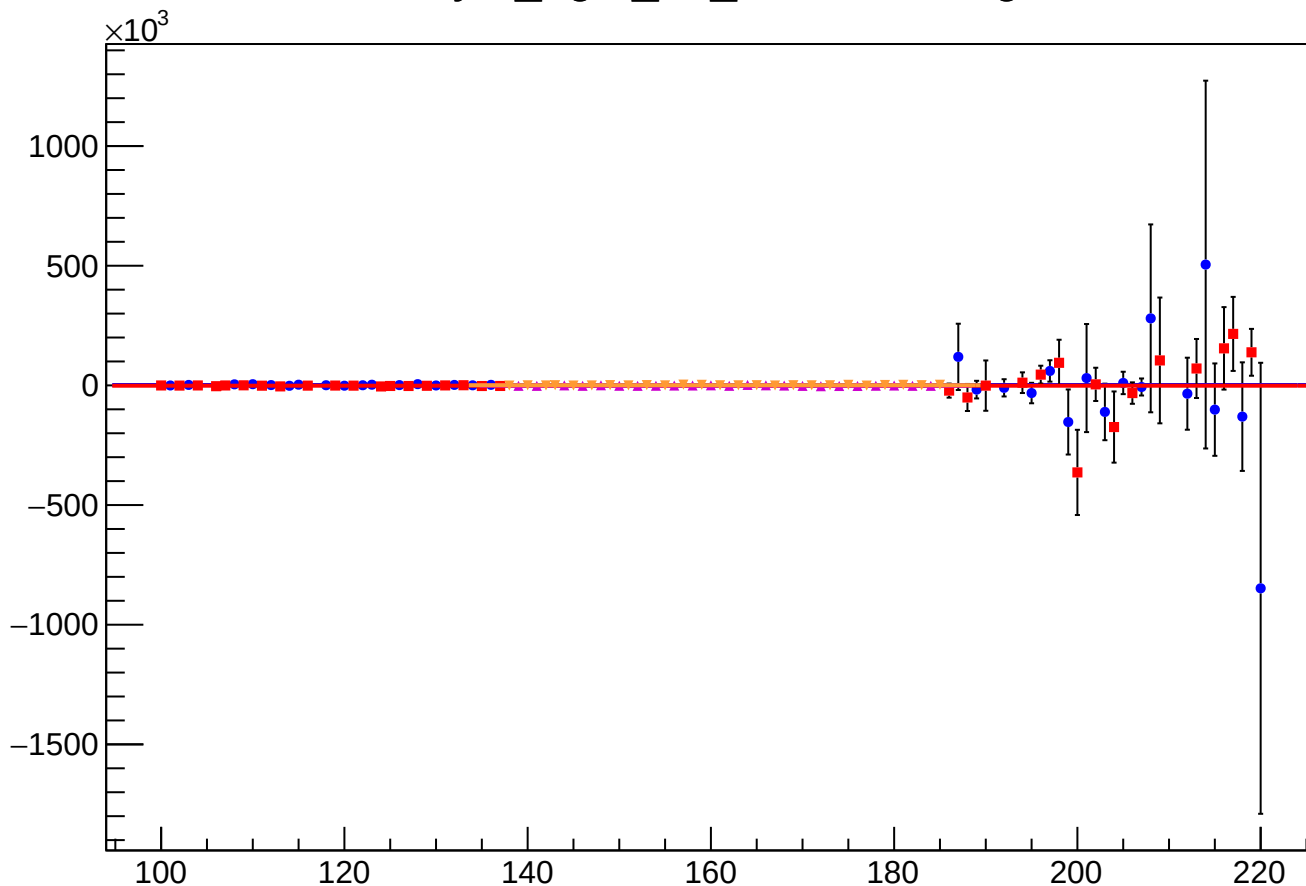
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 808.606 $\pm$ 0.110 χ^2 /NDF: 4929525.7/58

All: 98.827 $\pm$ 0.026 χ^2 /NDF: 102695260.7/11

- sign 56.397 $\pm$ 0.027 χ^2 /NDF: 53733905.2/58

asym_right_dd_mean vs Slug



Right In: 1514.686 $\pm$ 402.756 χ^2 /NDF: 26.0/32

Left Out: 742.825 $\pm$ 225.658 χ^2 /NDF: 20.2/24

Right Out: -1285.716 $\pm$ 376.573 χ^2 /NDF: 27.5/33

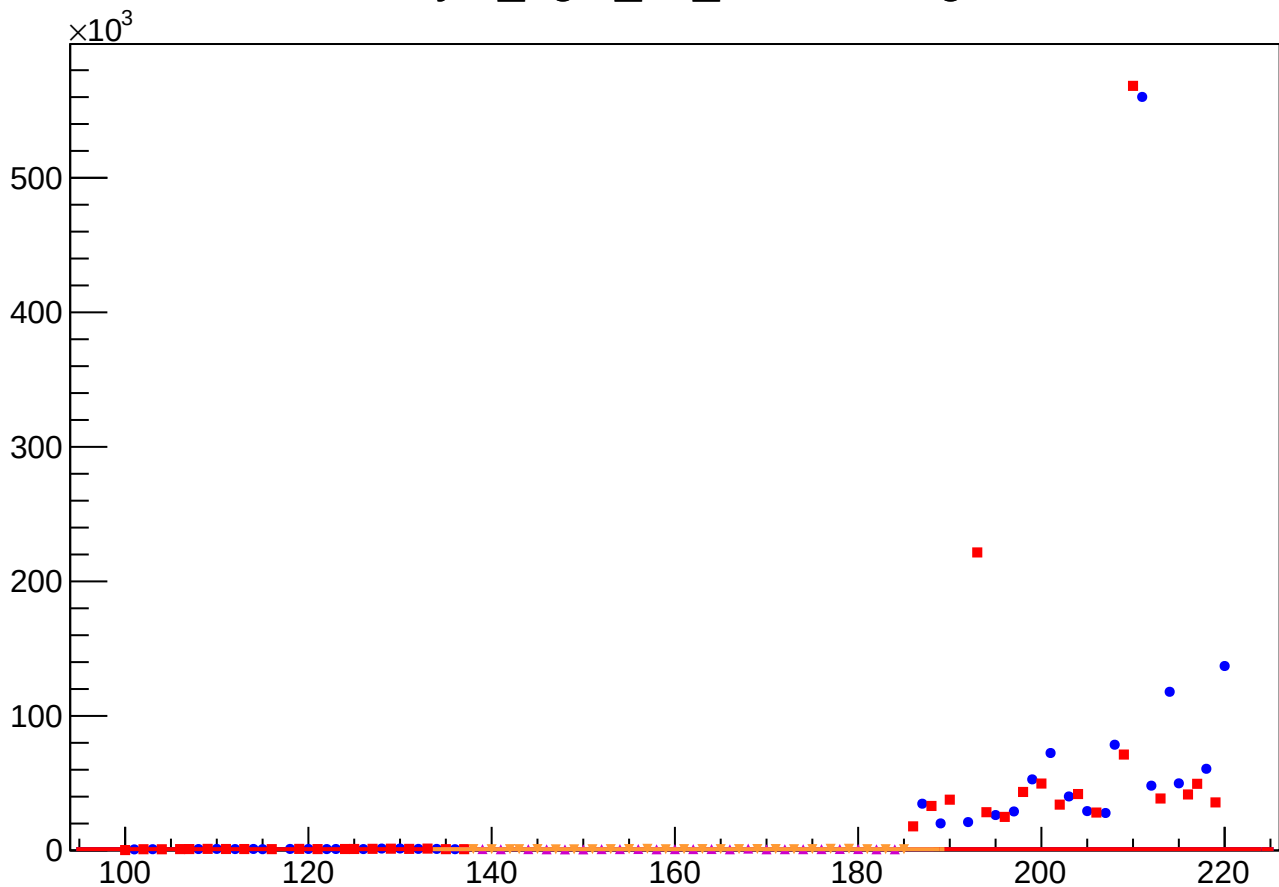
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

+ sign 927.236 $\pm$ 196.864 χ^2 /NDF: 49.0/57

All: -141.786 $\pm$ 139.049 χ^2 /NDF: 159.7/114

- sign -1206.062 $\pm$ 196.427 χ^2 /NDF: 51.8/56

asym_right_dd_rms vs Slug



Right In: 1040.153+/-0.285 χ^2/NDF : 6658513.6/33

Left Out: 962.776+/-0.160 χ^2/NDF : 362837.8/24

Right Out: 979.238+/-0.266 χ^2/NDF : 7377932.1/35

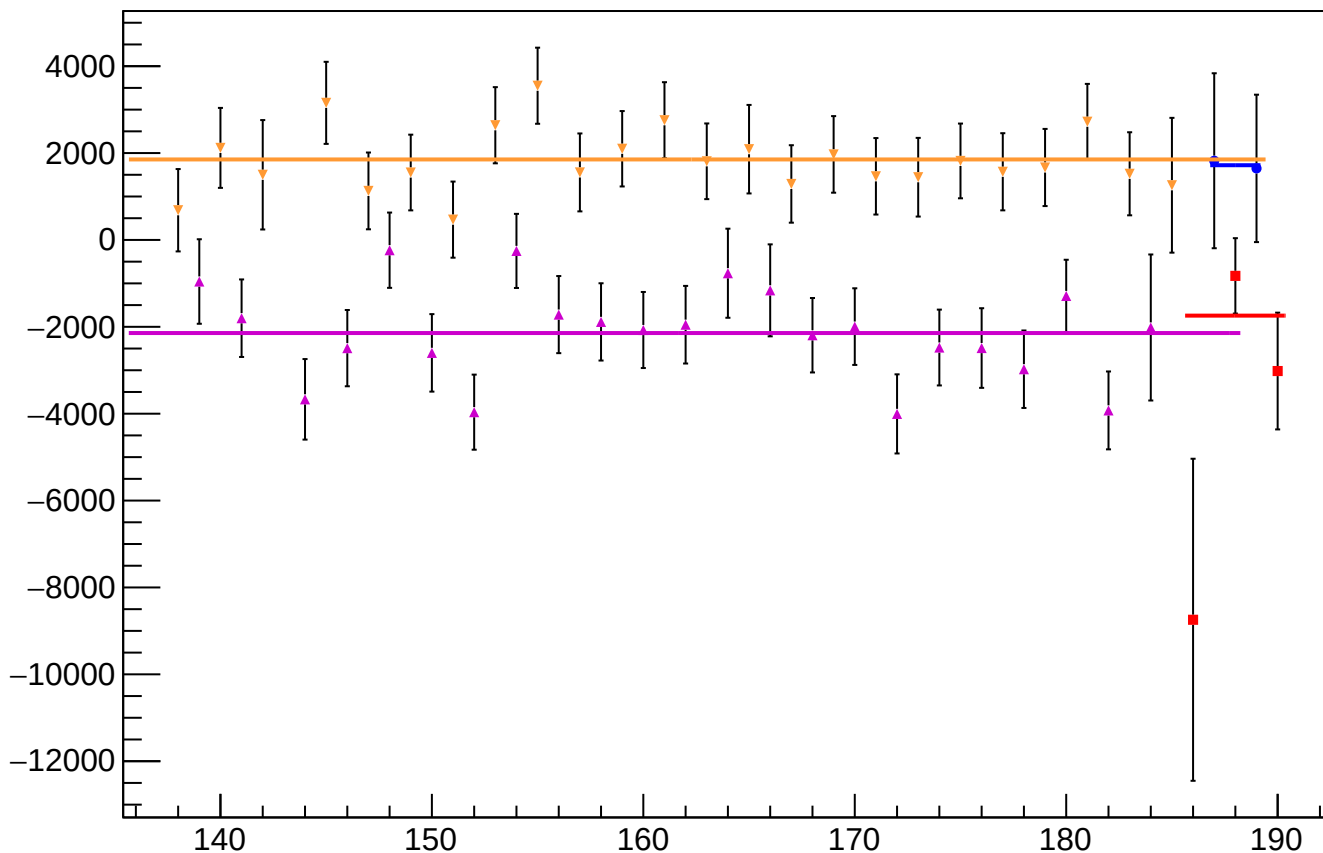
Left In: 955.331+/-0.163 χ^2/NDF : 443068.5/22

+ sign 981.263+/-0.139 χ^2/NDF : 7077534.3/58

All: 971.528+/-0.098 χ^2/NDF : 14914163.5/11

- sign 961.835+/-0.139 χ^2/NDF : 7826868.3/58

cor_asym_us_avg_mean vs Slug



Right In: 1720.097 $\pm$ 1297.686 χ^2 /NDF: 0.0/1

Left Out: 1852.926 $\pm$ 187.412 χ^2 /NDF:15.0/23

Right Out: -1742.386 $\pm$ 715.276 χ^2 /NDF: 5.6/2

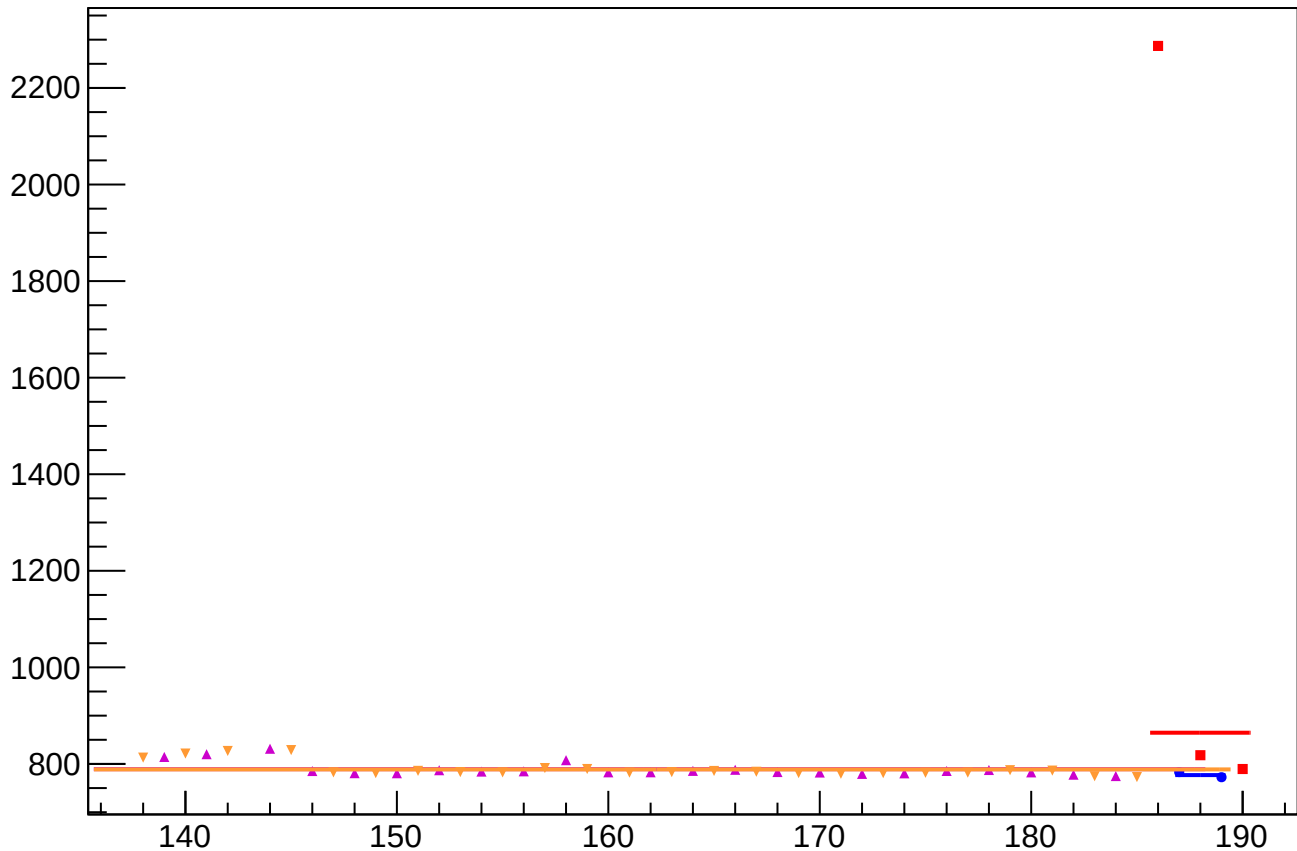
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

+ sign 1850.213 $\pm$ 185.488 χ^2 /NDF: 15.0/25

All: -151.835 $\pm$ 130.545 χ^2 /NDF: 284.1/51

- sign -2116.795 $\pm$ 183.762 χ^2 /NDF: 38.2/25

cor_asym_us_avg_rms vs Slug



Right In: 776.892 ± 0.918 χ^2/NDF : 32.5/1

Left Out: 788.658 ± 0.133 χ^2/NDF : 11499.7/23

Right Out: 864.658 ± 0.506 χ^2/NDF : 306489.7/2

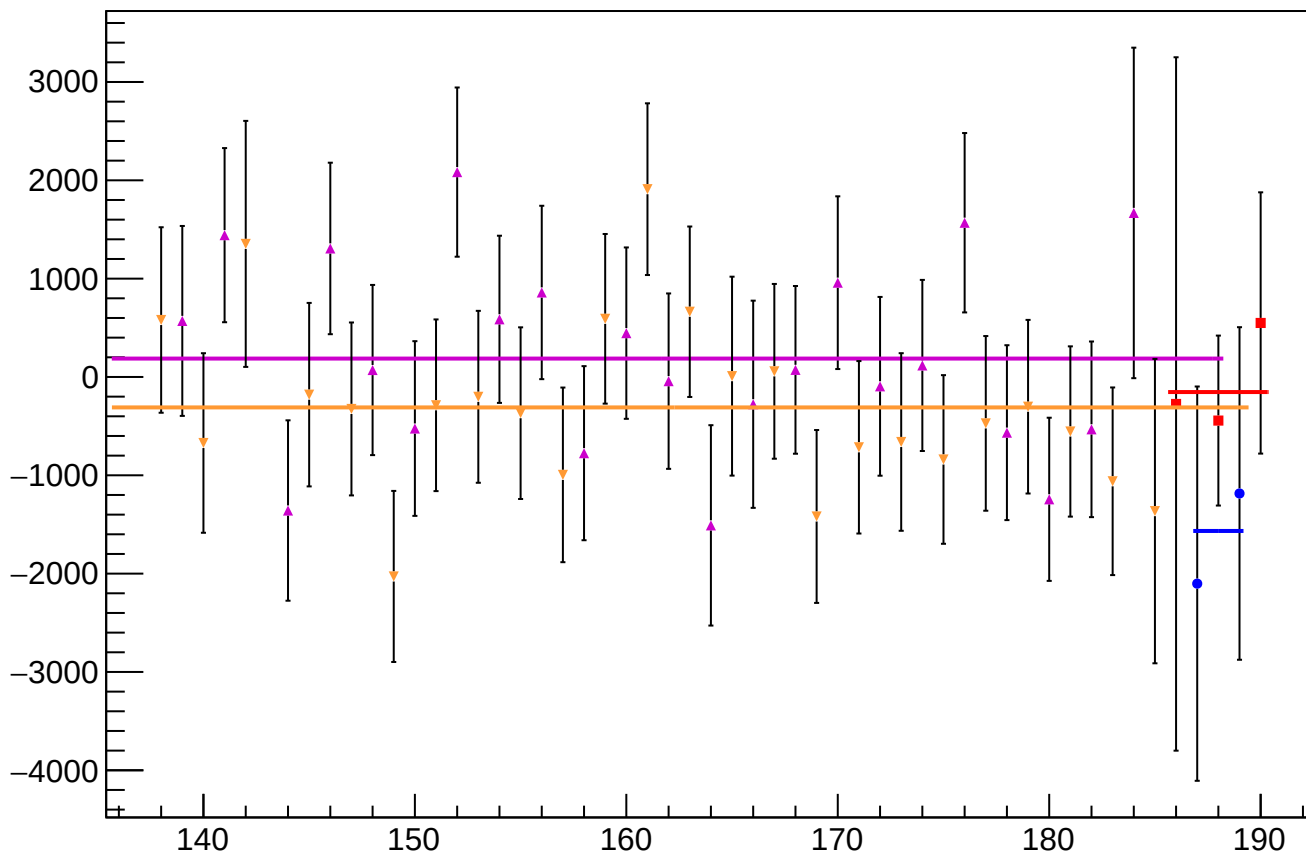
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

+ sign 788.418 ± 0.131 χ^2/NDF : 11693.3/25

All: 791.315 ± 0.092 χ^2/NDF : 350812.6/51

- sign 794.158 ± 0.130 χ^2/NDF : 338152.4/25

cor_asym_us_dd_mean vs Slug



Right In: -1566.105 ± 1292.689 χ^2/NDF : 0.1/1

Left Out: -309.656 ± 186.542 χ^2/NDF : 20.0/23

Right Out: -153.360 ± 709.634 χ^2/NDF : 0.4/2

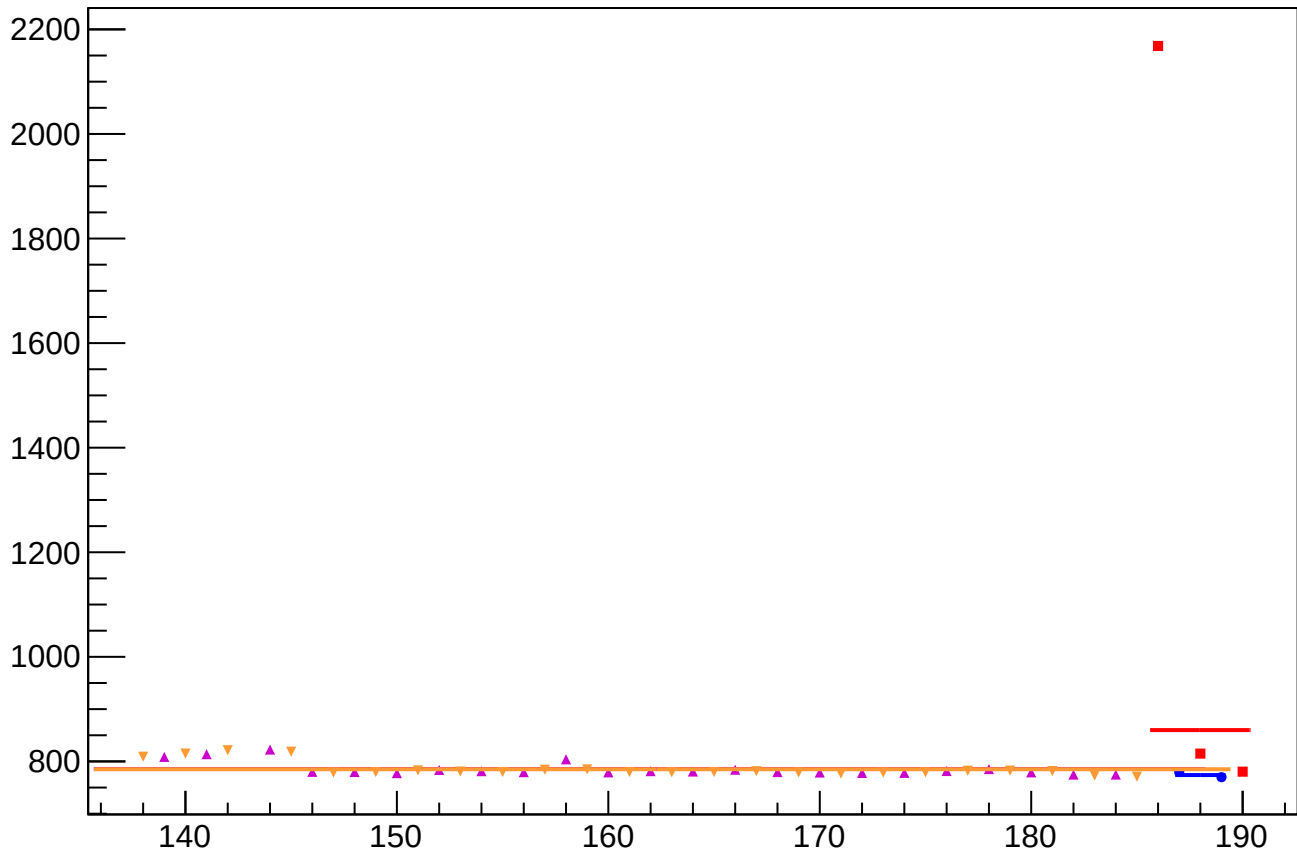
Left In: 187.105 ± 189.265 χ^2/NDF : 25.6/22

+ sign -335.286 ± 184.630 χ^2/NDF : 21.0/25

All: -83.007 ± 129.927 χ^2/NDF : 50.9/51

- sign 164.494 ± 182.873 χ^2/NDF : 26.2/25

cor_asym_us_dd_rms vs Slug



Right In: 773.922 $\pm$ 0.914 χ^2 /NDF: 27.7/1

Left Out: 785.050 $\pm$ 0.132 χ^2 /NDF: 9365.3/23

Right Out: 859.900 $\pm$ 0.502 χ^2 /NDF: 287948.2/2

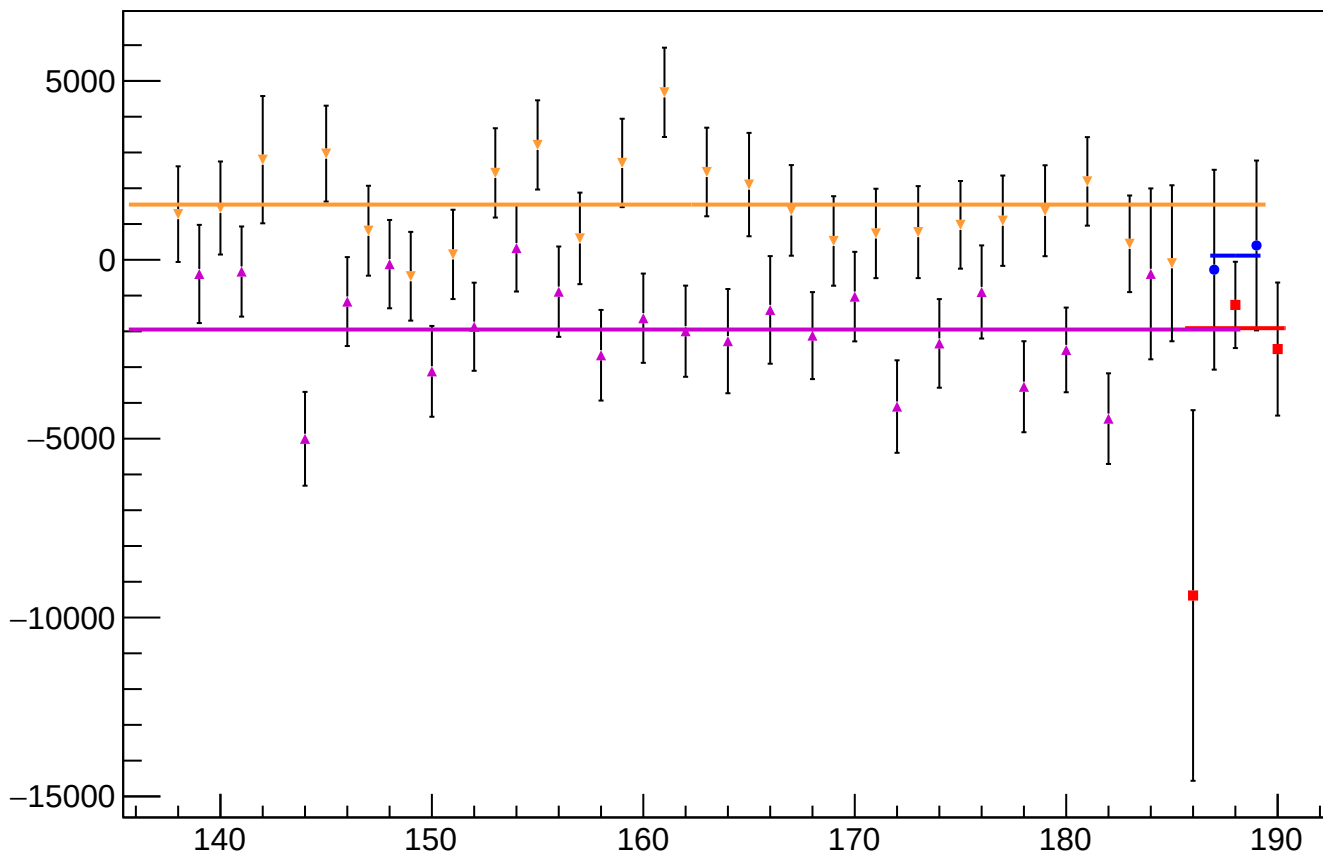
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

+ sign 784.823 $\pm$ 0.131 χ^2 /NDF: 9538.2/25

All: 787.688 $\pm$ 0.092 χ^2 /NDF: 327963.5/51

- sign 790.499 $\pm$ 0.129 χ^2 /NDF: 317471.3/25

cor_asym_usl_mean vs Slug



Right In: 116.401 ± 1808.672 χ^2/NDF : 0.0/1

Left Out: 1543.729 ± 266.278 χ^2/NDF : 19.9/23

Right Out: -1911.693 ± 993.236 χ^2/NDF : 2.5/2

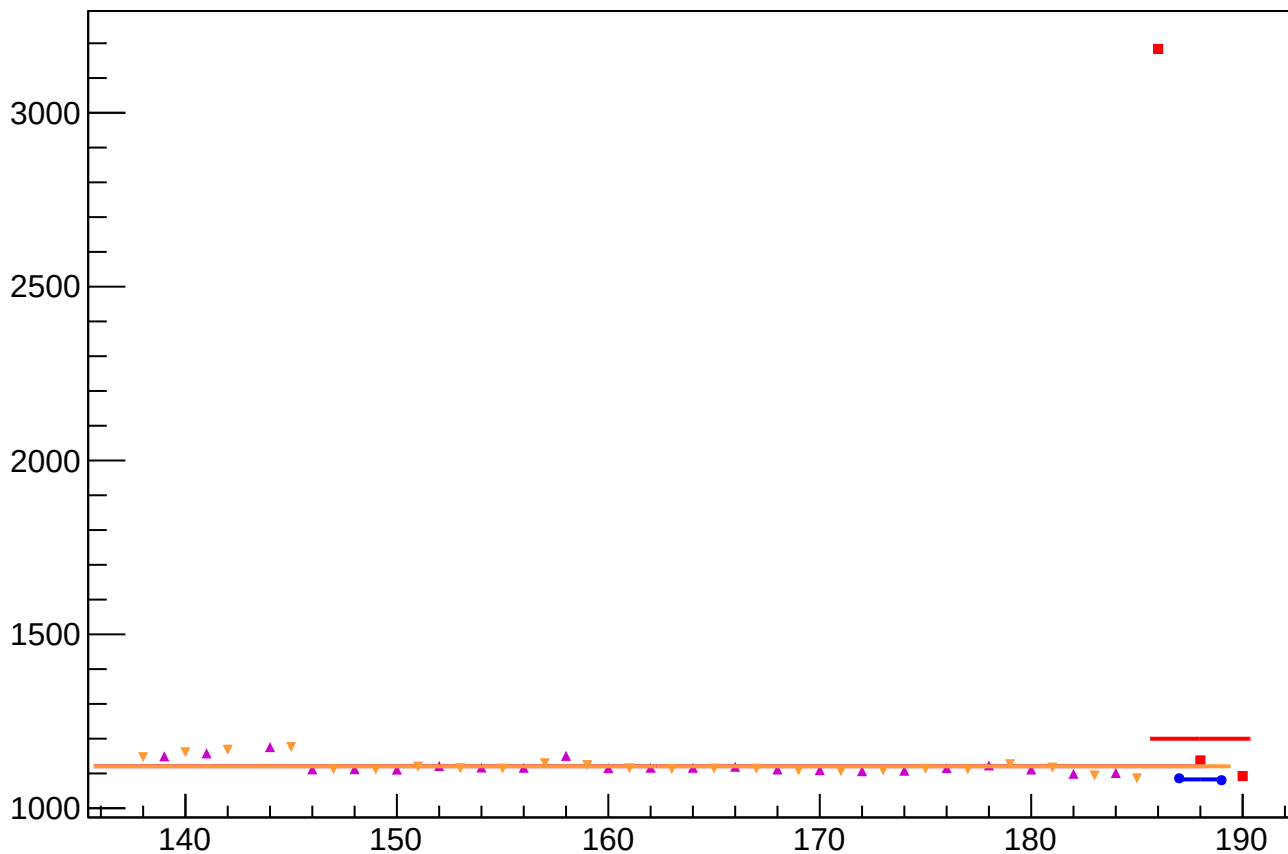
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ sign 1513.448 ± 263.439 χ^2/NDF : 20.6/25

All: -235.158 ± 185.274 χ^2/NDF : 137.0/51

- sign -1946.503 ± 260.617 χ^2/NDF : 29.2/25

cor_asym_usl_rms vs Slug



Right In: 1082.866+/-1.279 χ^2/NDF : 4.6/1

Left Out: 1120.578+/-0.188 χ^2/NDF : 10264.0/23

Right Out: 1199.844+/-0.702 χ^2/NDF : 305356.1/2

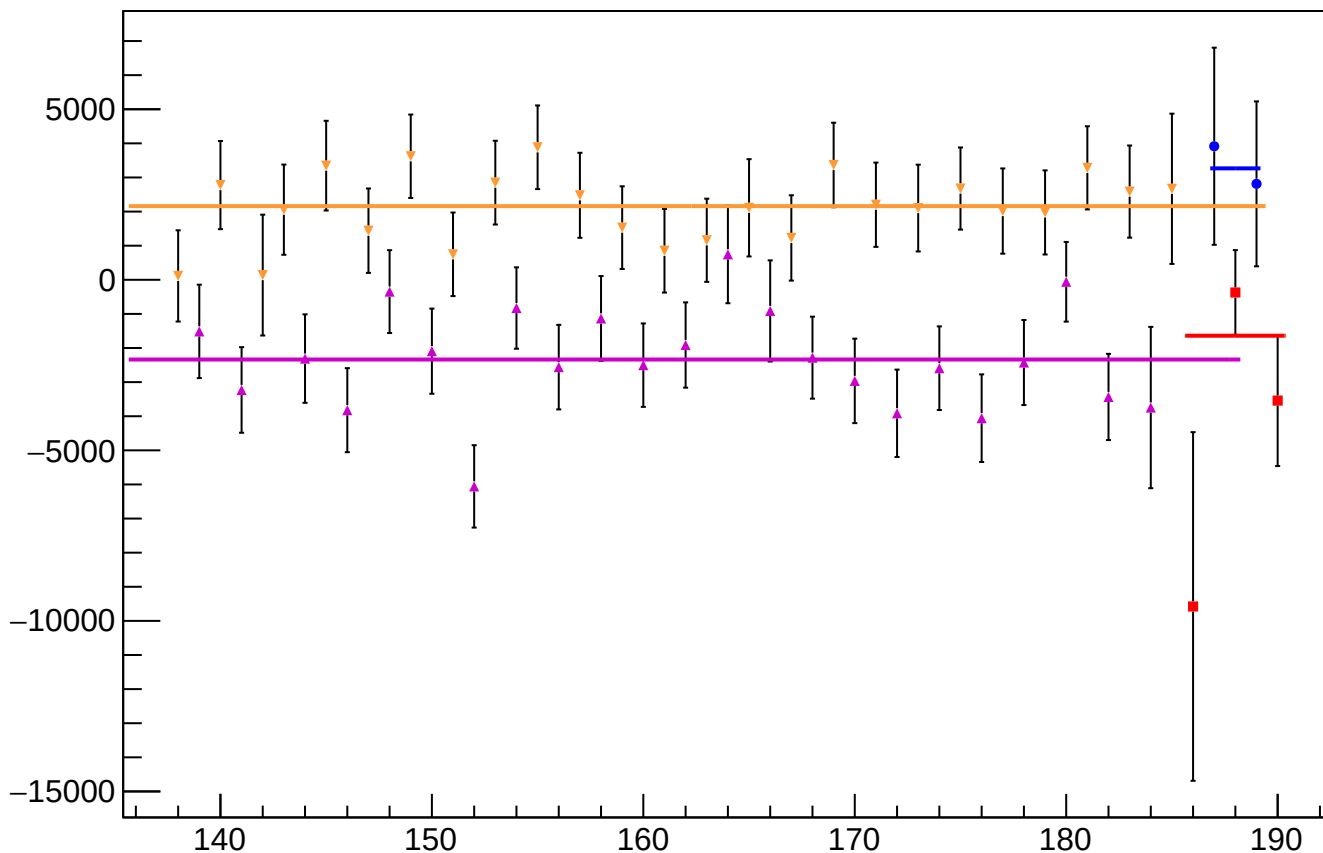
Left In: 1120.977+/-0.191 χ^2/NDF : 9259.6/22

+ sign 1119.778+/-0.186 χ^2/NDF : 11119.7/25

All: 1123.129+/-0.131 χ^2/NDF : 338117.1/51

- sign 1126.407+/-0.184 χ^2/NDF : 326357.4/25

cor_asym_usr_mean vs Slug



Right In: 3266.922 ± 1854.338 χ^2/NDF : 0.1/1

Left Out: 2159.879 ± 257.526 χ^2/NDF : 15.0/24

Right Out: -1639.449 ± 1022.123 χ^2/NDF : 4.4/2

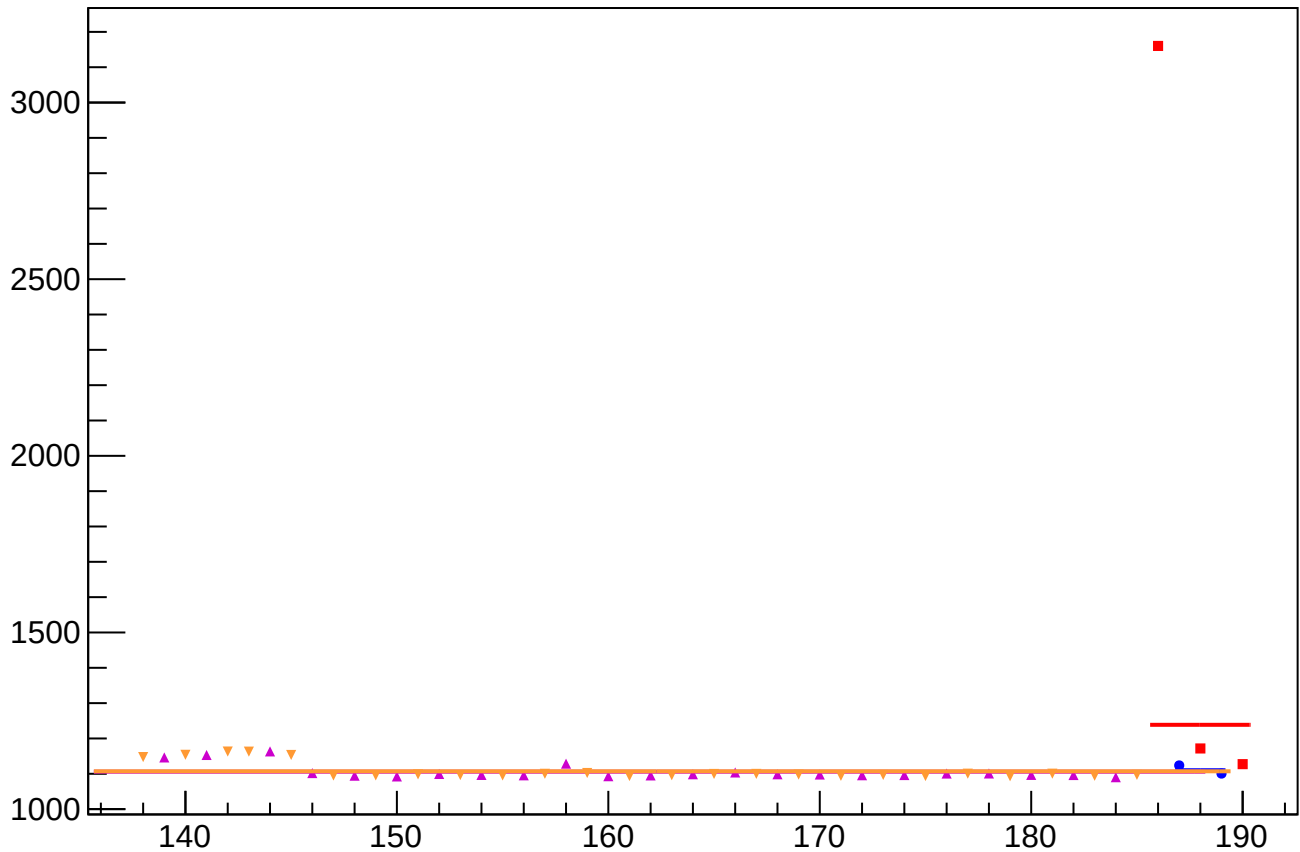
Left In: -2337.232 ± 266.468 χ^2/NDF : 31.3/22

+ sign 2180.827 ± 255.078 χ^2/NDF : 15.4/26

All: -31.822 ± 181.339 χ^2/NDF : 203.7/52

- sign -2292.825 ± 257.850 χ^2/NDF : 36.2/25

cor_asym_usr_rms vs Slug



Right In: 1110.109+/-1.311 χ^2 /NDF: 75.3/1

Left Out: 1107.091+/-0.182 χ^2 /NDF: 15185.2/24

Right Out: 1238.637+/-0.723 χ^2 /NDF: 295245.1/2

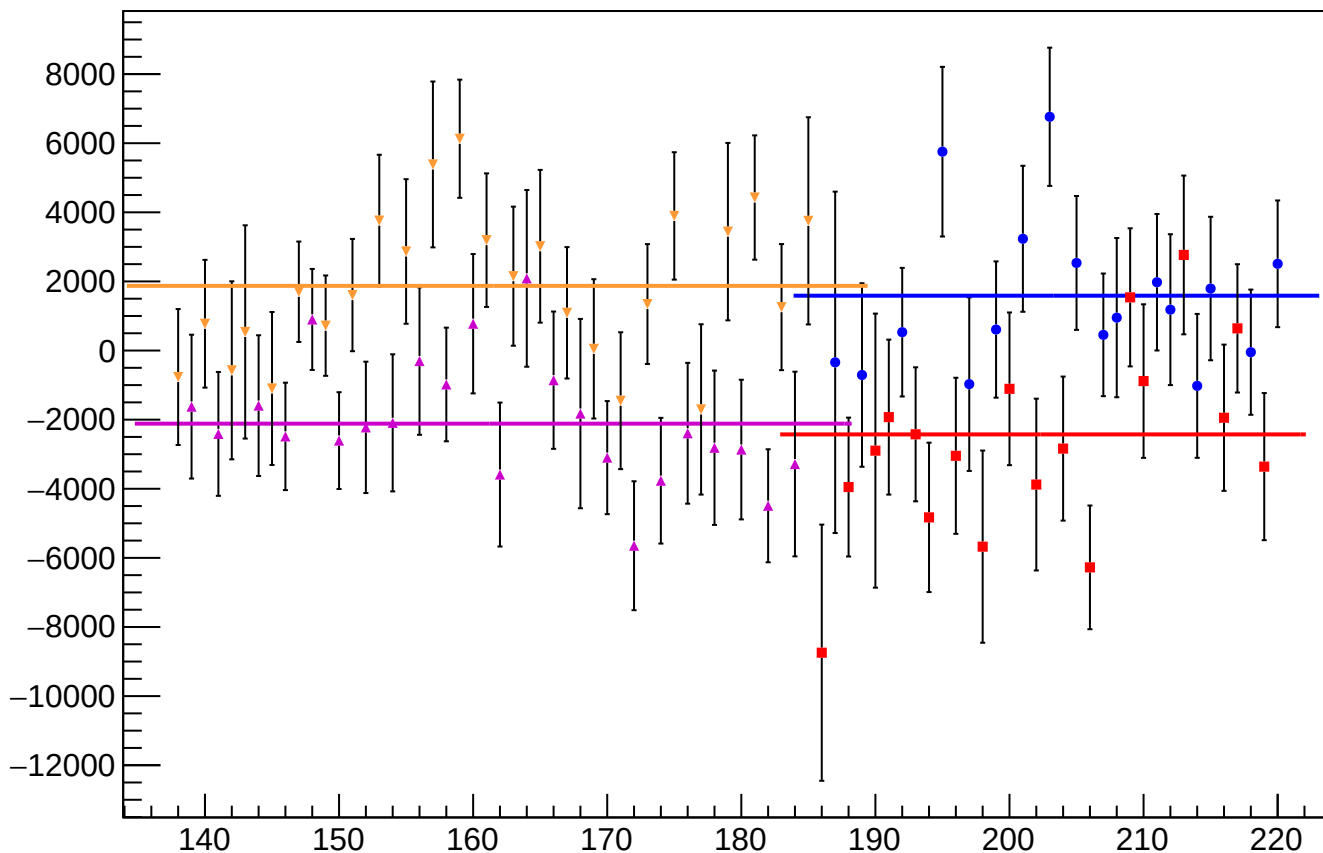
Left In: 1105.955+/-0.188 χ^2 /NDF: 11111.3/22

+ sign 1107.148+/-0.180 χ^2 /NDF: 15265.7/26

All: 1110.735+/-0.128 χ^2 /NDF: 353978.0/52

- sign 1114.399+/-0.182 χ^2 /NDF: 337913.0/25

asym_us_agg_avg_mean vs Slug



Right In: 1586.847 $\pm$ 510.938 χ^2 /NDF: 16.1/16

Left Out: 1871.638 $\pm$ 391.684 χ^2 /NDF:26.1/24

Right Out: -2426.995 $\pm$ 521.708 χ^2 /NDF: 24.1/17

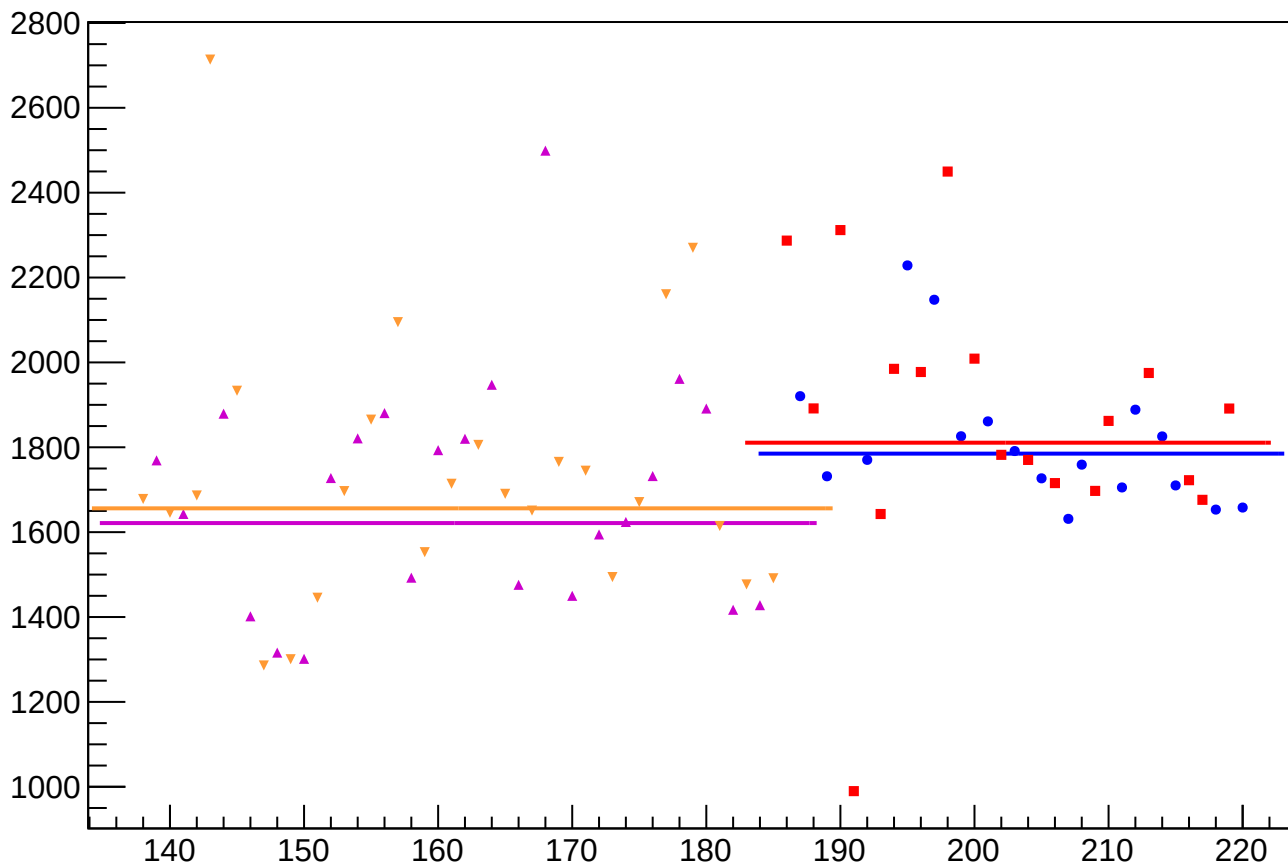
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1766.224 $\pm$ 310.853 χ^2 /NDF: 42.5/41

All: -211.728 $\pm$ 220.876 χ^2 /NDF: 167.3/82

- sign -2228.659 $\pm$ 313.901 χ^2 /NDF: 43.1/40

asym_us_agg_avg_rms vs Slug



Right In: 1785.036 $\pm$ 0.361 χ^2 /NDF: 161243.9/16

Left Out: 1656.119 $\pm$ 0.277 χ^2 /NDF: 910573.4/24

Right Out: 1810.812 $\pm$ 0.369 χ^2 /NDF: 538153.9/17

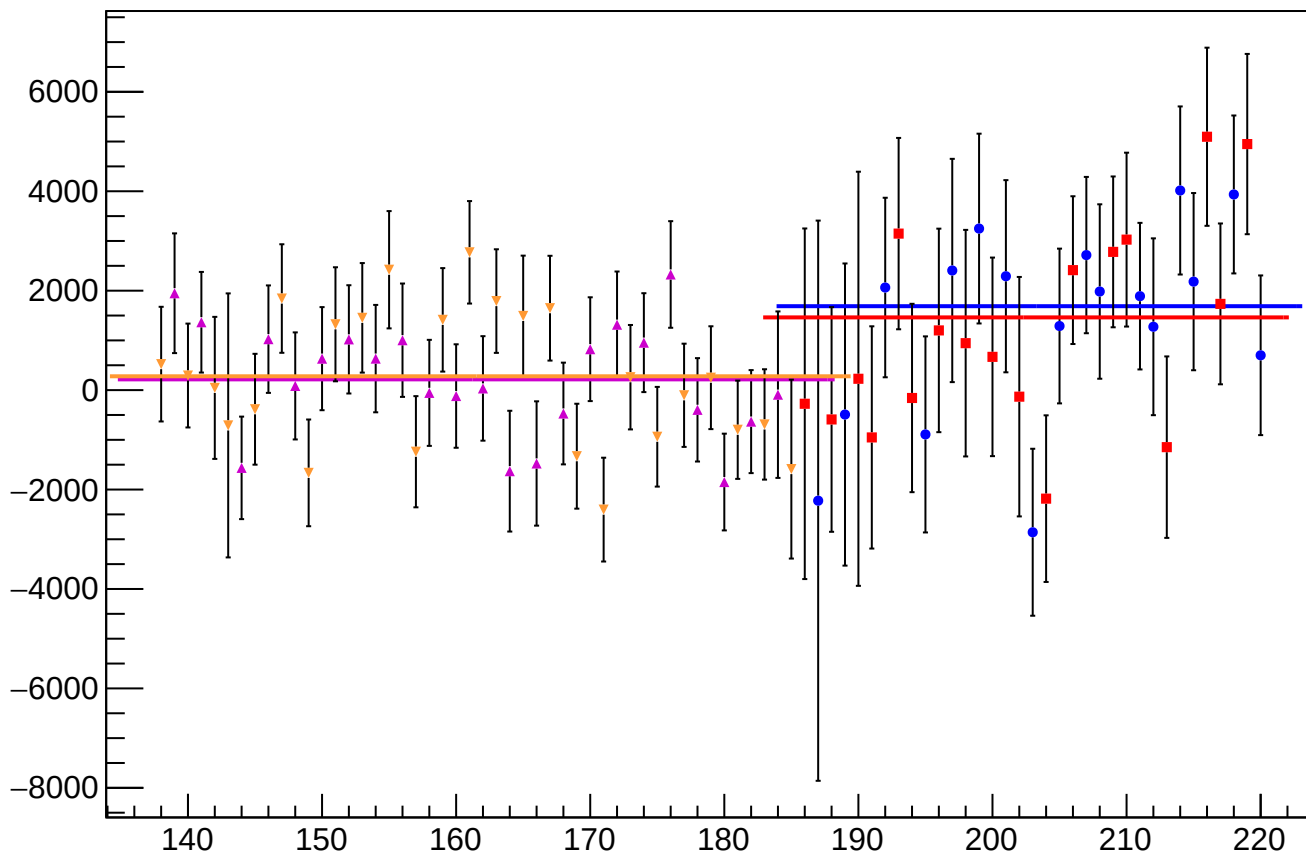
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1703.837 $\pm$ 0.220 χ^2 /NDF: 1152012.9/41

All: 1696.977 $\pm$ 0.156 χ^2 /NDF: 2635604.4/82

- sign 1689.982 $\pm$ 0.222 χ^2 /NDF: 1481624.1/40

asym_us_agg_dd_mean vs Slug



Right In: 1688.054 $\pm$ 439.946 χ^2 /NDF: 15.9/16

Left Out: 278.090 $\pm$ 223.581 χ^2 /NDF:38.4/24

Right Out: 1462.724 $\pm$ 456.162 χ^2 /NDF: 21.1/17

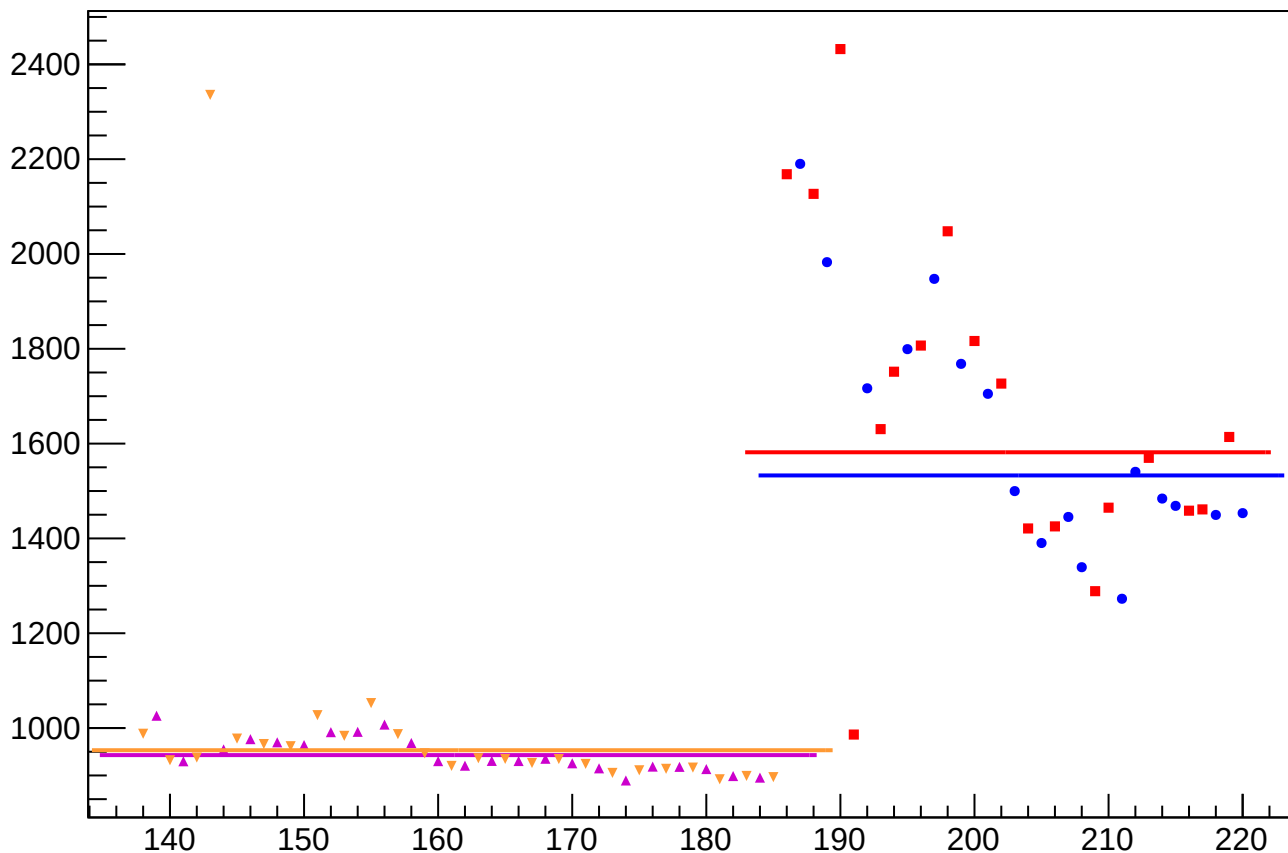
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 567.495 $\pm$ 199.319 χ^2 /NDF: 62.5/41

All: 515.070 $\pm$ 141.955 χ^2 /NDF: 114.1/82

- sign 461.107 $\pm$ 202.221 χ^2 /NDF: 51.5/40

asym_us_agg_dd_rms vs Slug



Right In: 1532.855+/-0.311 χ^2/NDF : 367853.6/16

Left Out: 953.221+/-0.158 χ^2/NDF : 606273.1/24

Right Out: 1581.716+/-0.323 χ^2/NDF : 702583.6/17

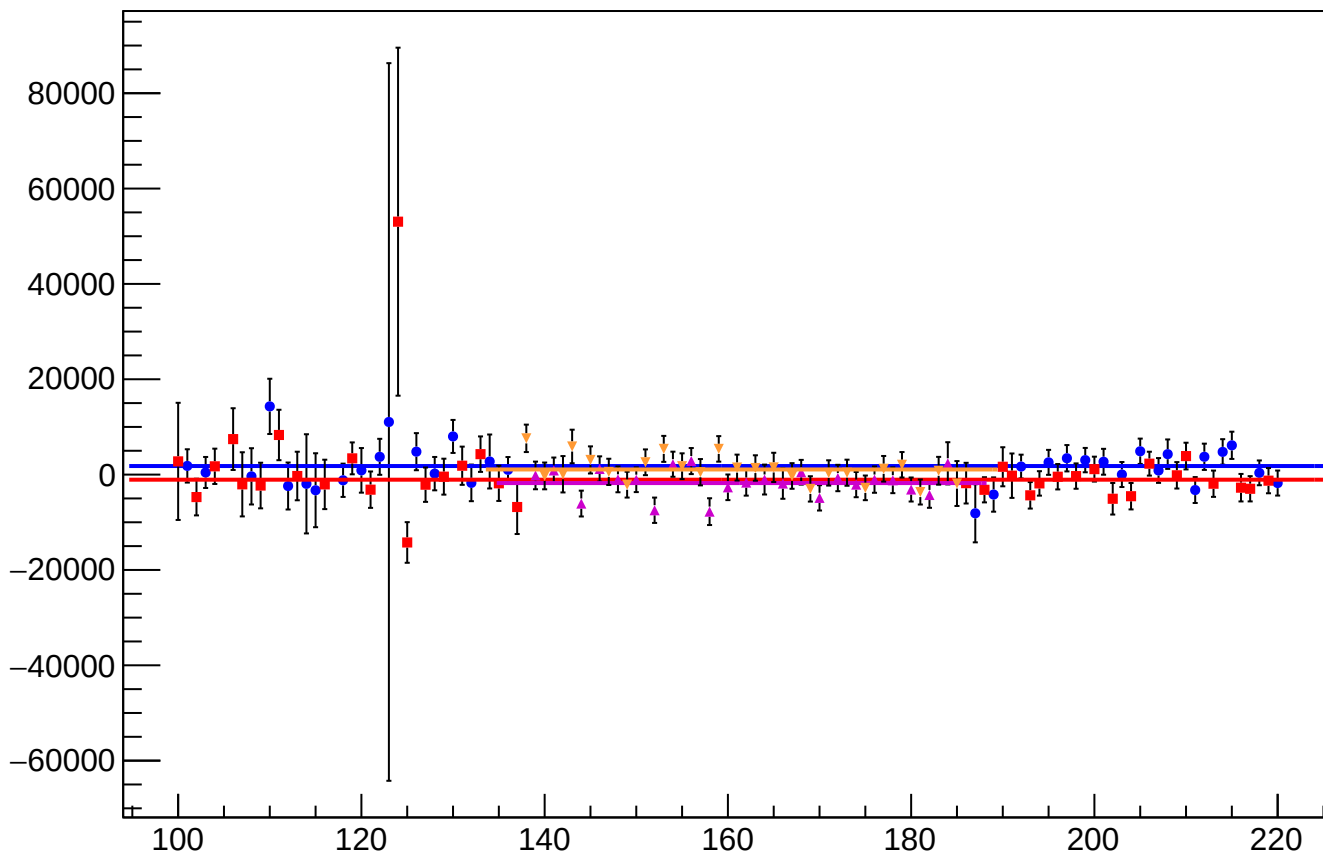
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1072.195+/-0.141 χ^2/NDF : 3733217.3/41

All: 1070.356+/-0.100 χ^2/NDF : 7635775.3/82

- sign 1068.463+/-0.143 χ^2/NDF : 3902212.7/40

reg_asym_atl1_mean vs Slug



Right In: 1797.346 $\pm$ 562.214 χ^2 /NDF: 30.7/33

Left Out: 1078.054 $\pm$ 564.005 χ^2 /NDF: 23.6/24

Right Out: -1067.843 $\pm$ 564.459 χ^2 /NDF: 36.7/36

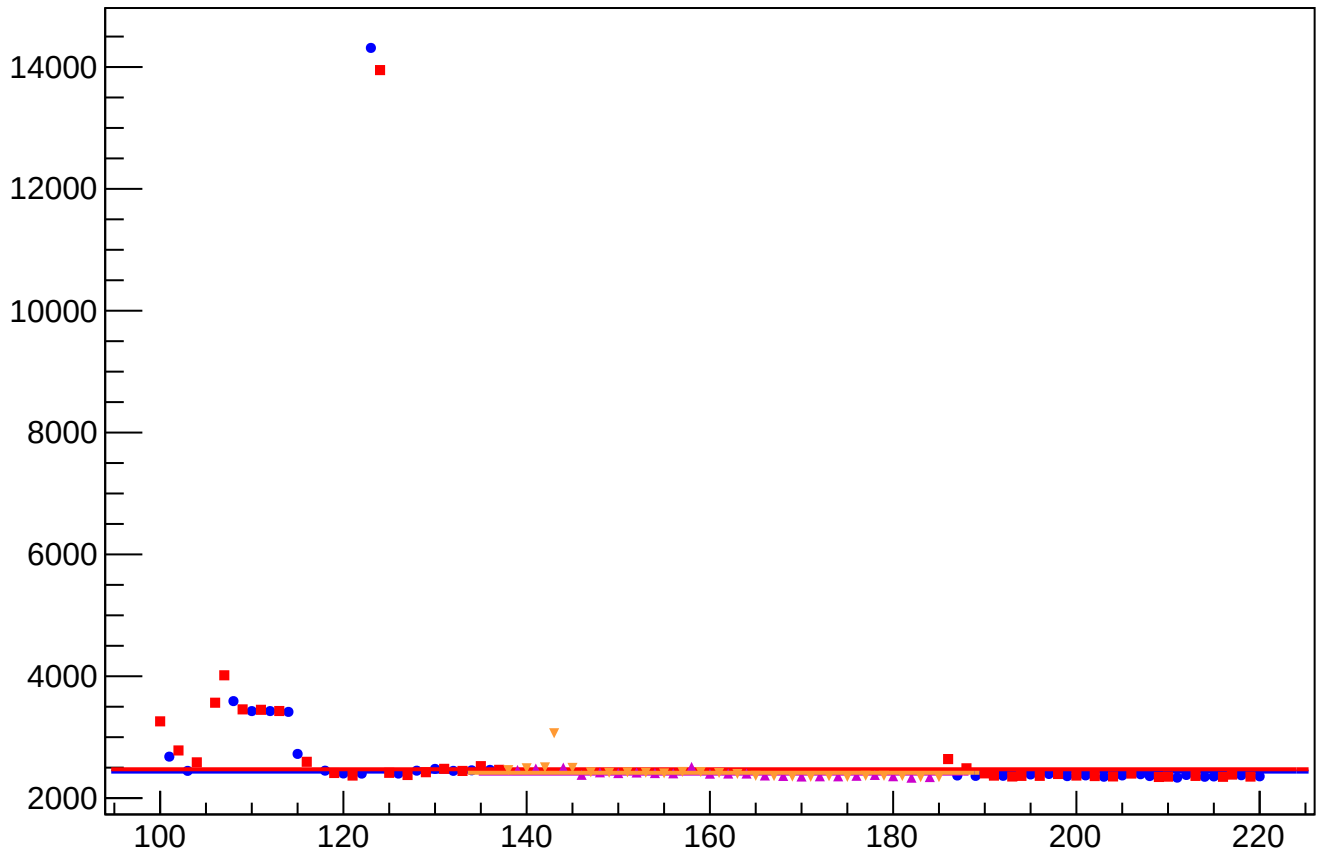
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1438.844 $\pm$ 398.177 χ^2 /NDF: 55.1/58

All: 29.332 $\pm$ 283.283 χ^2 /NDF: 142.0/118

- sign -1415.360 $\pm$ 403.115 χ^2 /NDF: 61.5/59

reg_asym_atl1_rms vs Slug



Right In: 2434.657+/-0.398 χ^2/NDF : 319283.8/33

Left Out: 2416.019+/-0.399 χ^2/NDF : 82636.1/24

Right Out: 2473.368+/-0.399 χ^2/NDF : 660086.1/36

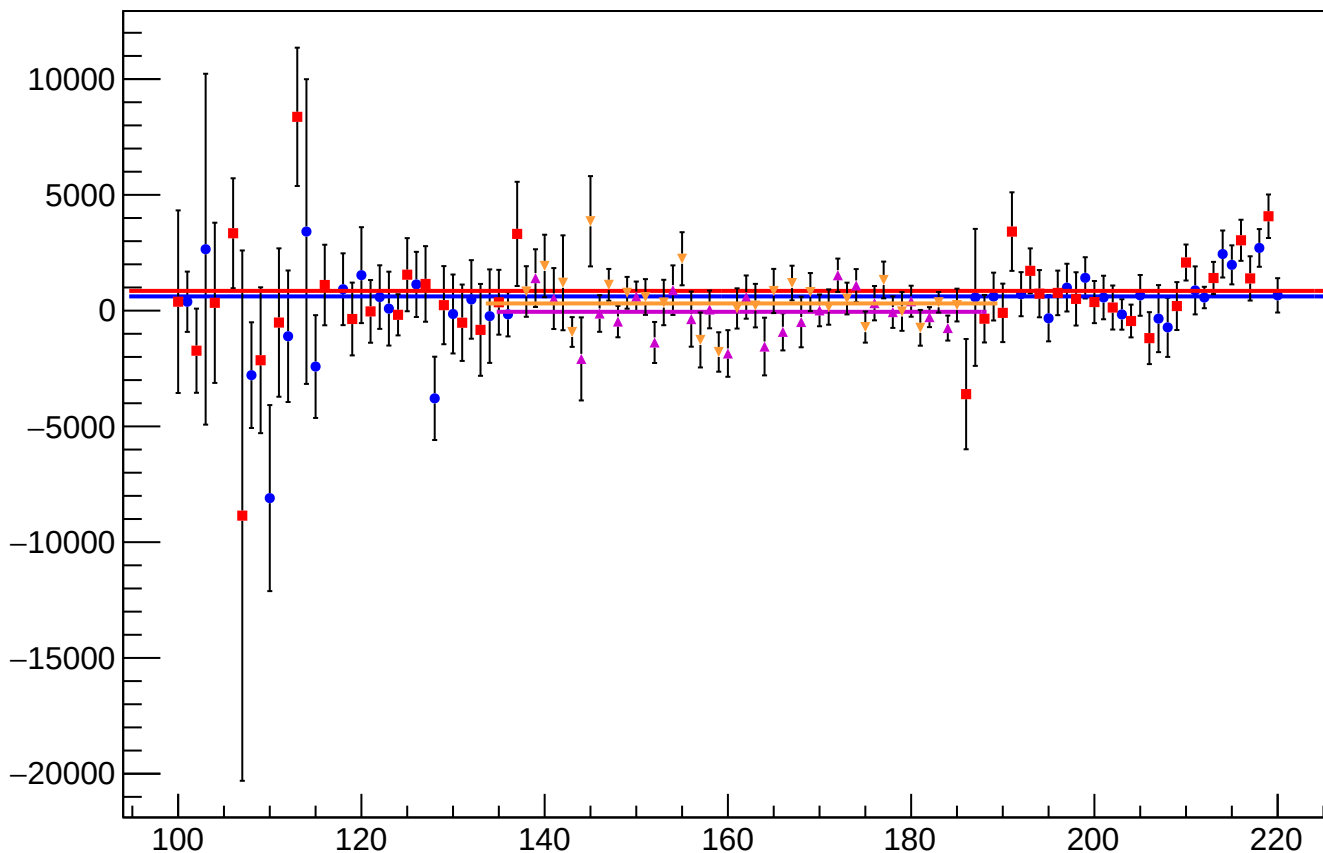
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2425.368+/-0.282 χ^2/NDF : 403015.3/58

All: 2431.663+/-0.200 χ^2/NDF : 1093781.8/11

- sign 2438.116+/-0.285 χ^2/NDF : 689754.0/59

asym_atl1_correction_mean vs Slug



Right In: 614.165 ± 188.589 χ^2/NDF : 34.3/33

Left Out: 310.873 ± 160.650 χ^2/NDF : 29.7/24

Right Out: 852.934 ± 199.353 χ^2/NDF : 54.6/36

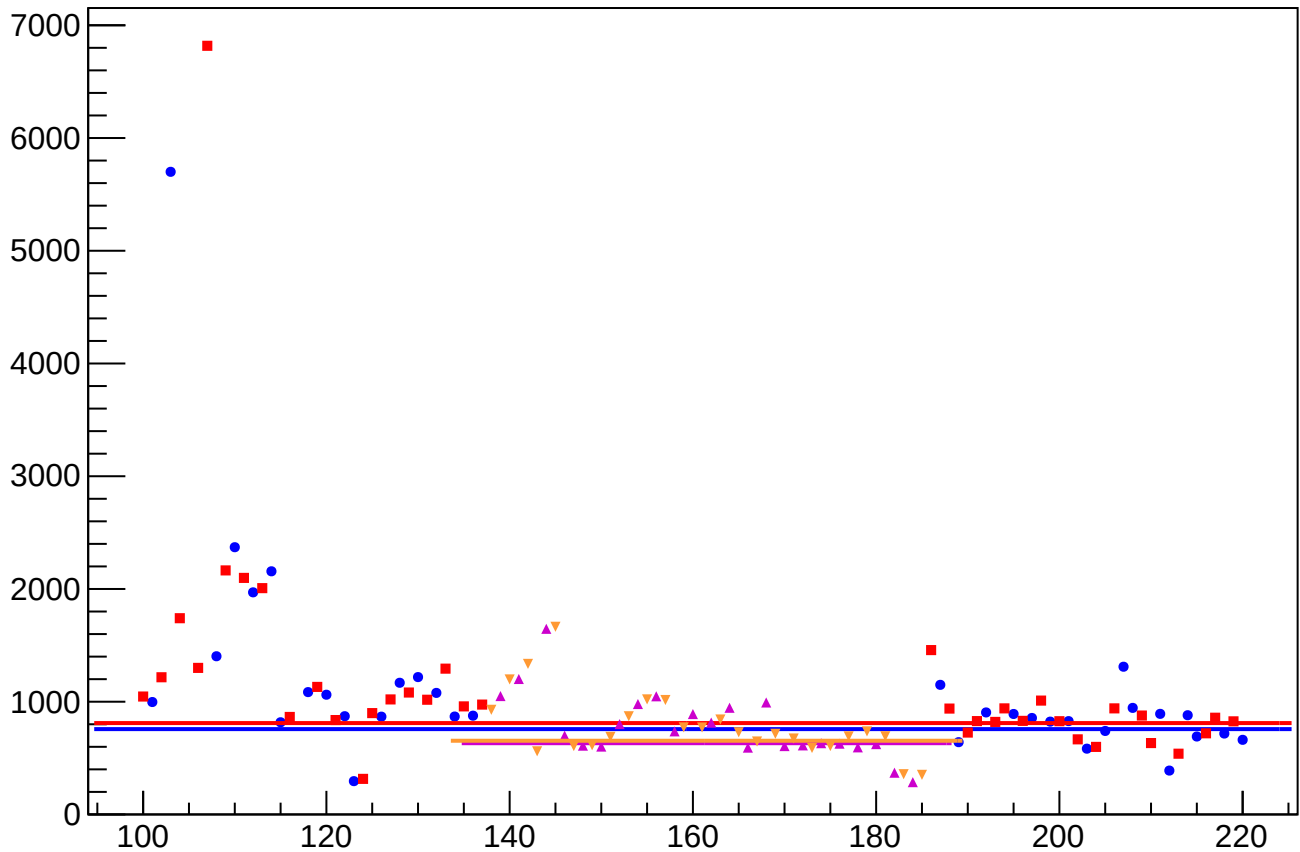
Left In: -51.454 ± 161.744 χ^2/NDF : 23.8/22

+ sign 438.410 ± 122.294 χ^2/NDF : 65.5/58

All: 374.730 ± 87.621 χ^2/NDF : 157.0/118

- sign 307.558 ± 125.603 χ^2/NDF : 90.9/59

asym_atl1_correction_rms vs Slug



Right In: 756.993 $\pm$ 0.133 χ^2 /NDF: 4581591.7/33

Left Out: 653.803 $\pm$ 0.114 χ^2 /NDF: 3254694.4/24

Right Out: 810.535 $\pm$ 0.141 χ^2 /NDF: 3857548.6/36

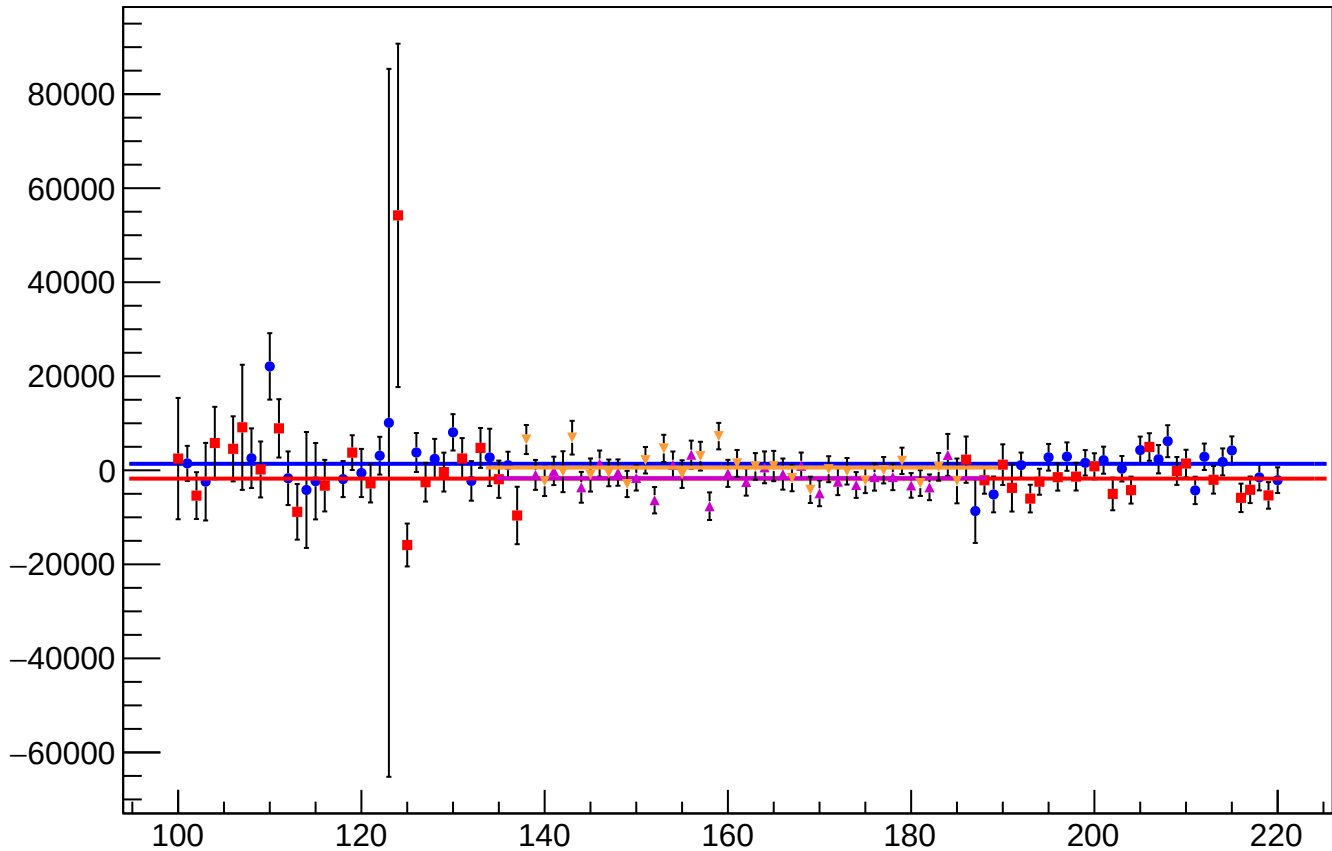
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 697.195 $\pm$ 0.086 χ^2 /NDF: 8183281.6/58

All: 699.974 $\pm$ 0.062 χ^2 /NDF: 16952558.1/11

- sign 702.904 $\pm$ 0.089 χ^2 /NDF: 8767155.5/59

asym_atl1_mean vs Slug



Right In: 1383.707 $\pm$ 613.279 χ^2 /NDF: 31.5/33

Left Out: 580.879 $\pm$ 597.173 χ^2 /NDF: 25.3/24

Right Out: -1767.020 $\pm$ 619.847 χ^2 /NDF: 44.0/36

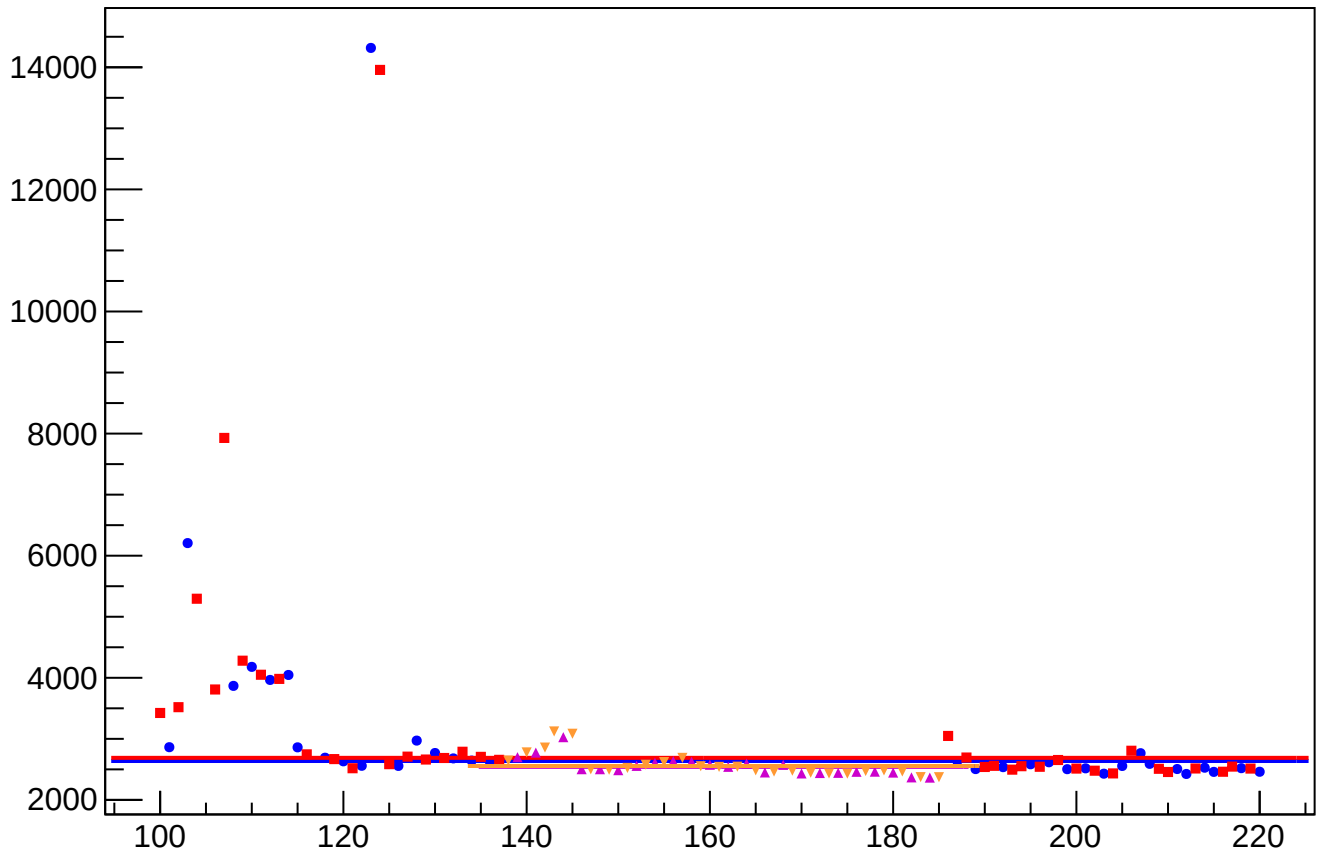
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 971.613 $\pm$ 427.846 χ^2 /NDF: 57.7/58

All: -353.731 $\pm$ 304.967 χ^2 /NDF: 139.4/118

- sign -1722.604 $\pm$ 434.815 χ^2 /NDF: 62.1/59

asym_atl1_rms vs Slug



Right In: 2637.013 $\pm$ 0.434 χ^2 /NDF: 822502.5/33

Left Out: 2555.279 $\pm$ 0.422 χ^2 /NDF: 154743.6/24

Right Out: 2688.938 $\pm$ 0.438 χ^2 /NDF: 1304024.2/36

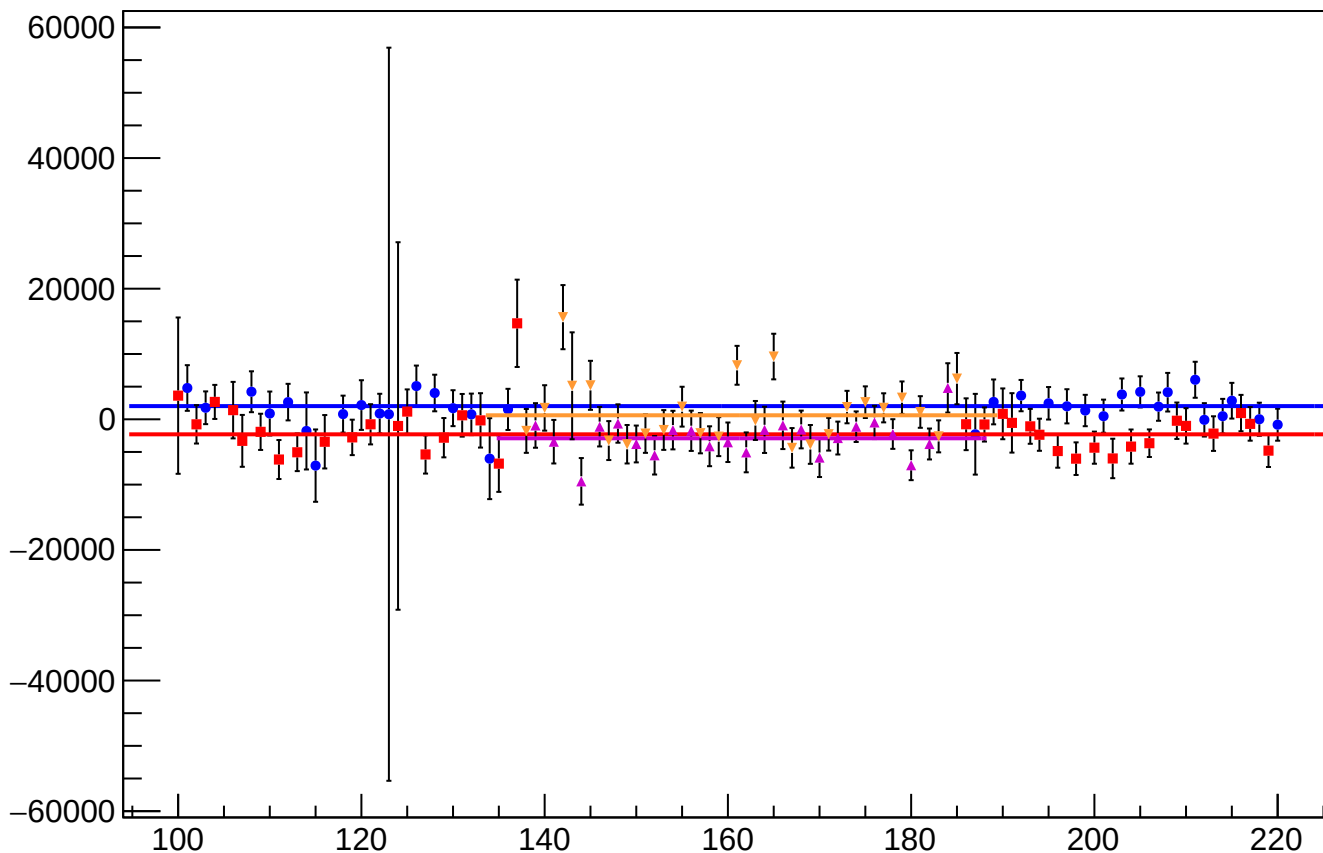
Left In: 2540.988 $\pm$ 0.431 χ^2 /NDF: 94756.7/22

+ sign 2595.059 $\pm$ 0.303 χ^2 /NDF: 995480.7/58

All: 2604.274 $\pm$ 0.216 χ^2 /NDF: 2454022.1/11

- sign 2613.792 $\pm$ 0.307 χ^2 /NDF: 1456655.3/59

reg_asym_atl2_mean vs Slug



Right In: 2020.599 $\pm$ 500.918 χ^2 /NDF: 16.7/33

Left Out: 614.867 $\pm$ 591.148 χ^2 /NDF:45.2/24

Right Out: -2299.705 $\pm$ 498.191 χ^2 /NDF: 30.1/36

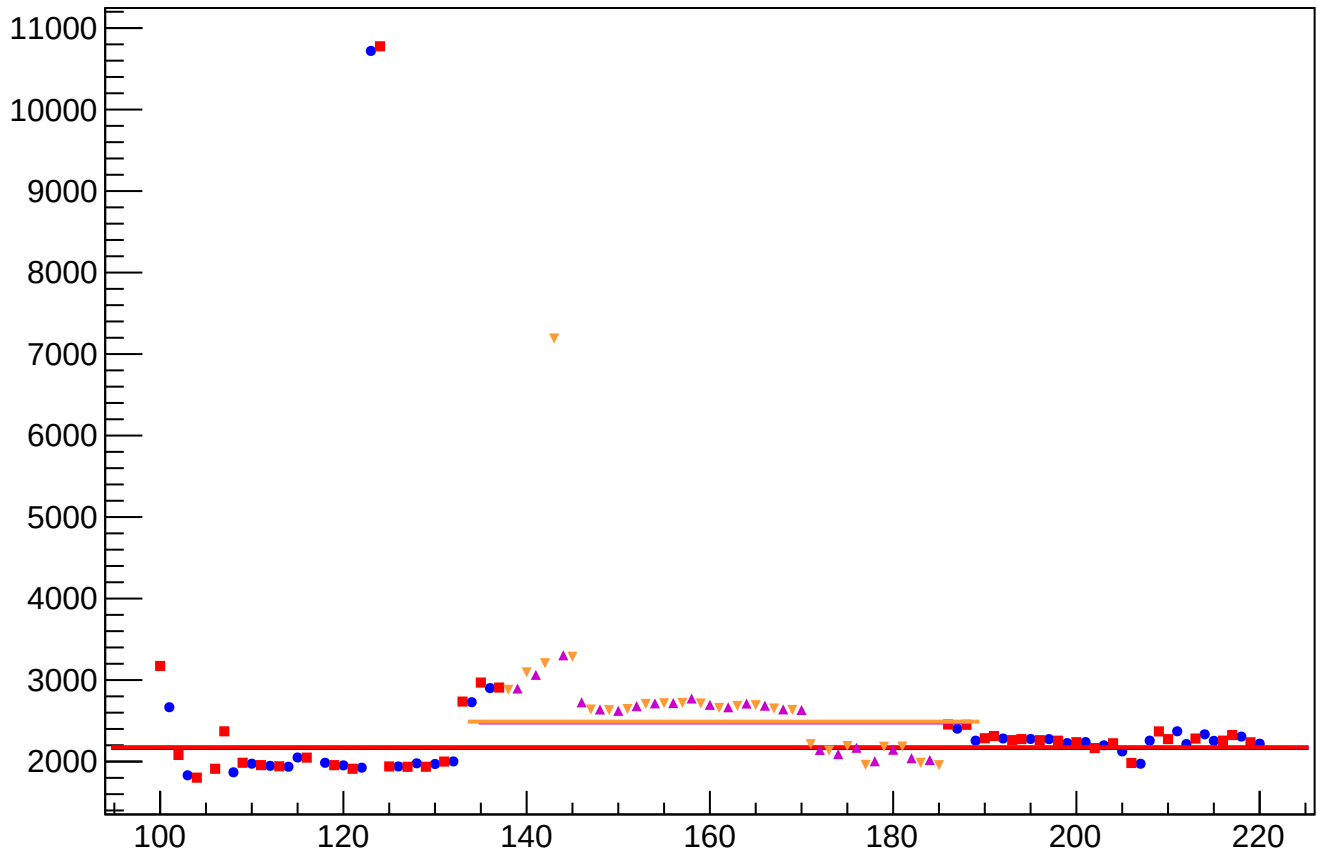
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF:17.4/22

+ sign 1433.092 $\pm$ 382.165 χ^2 /NDF: 65.1/58

All: -552.329 $\pm$ 270.598 χ^2 /NDF: 167.3/118

- sign -2548.553 $\pm$ 383.204 χ^2 /NDF: 48.0/59

reg_asym_atl2_rms vs Slug



Right In: 2165.901+/-0.354 χ^2/NDF : 418489.6/33

Left Out: 2489.577+/-0.418 χ^2/NDF : 1364203.3/24

Right Out: 2176.591+/-0.352 χ^2/NDF : 577722.4/36

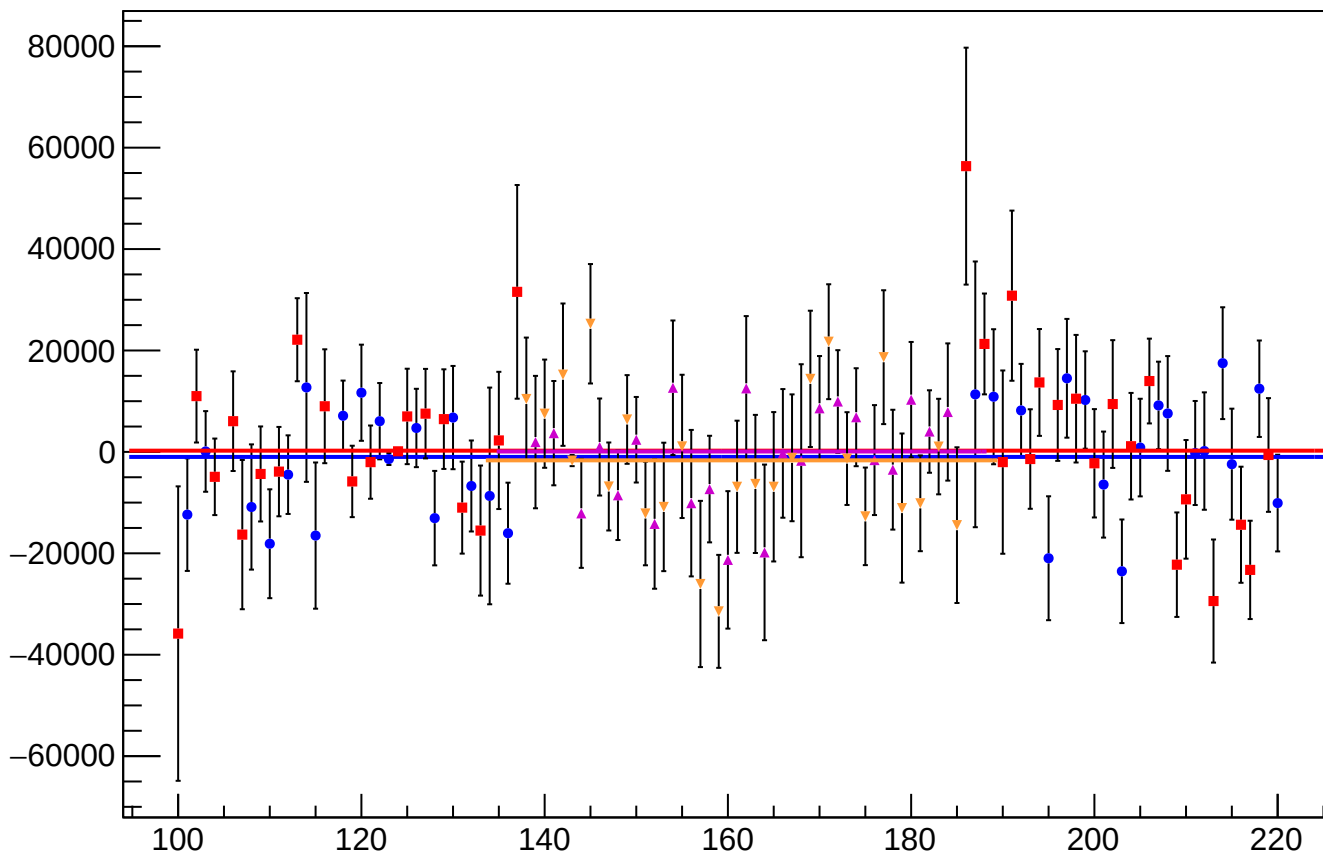
Left In: 2479.348+/-0.424 χ^2/NDF : 668398.2/22

+ sign 2301.177+/-0.270 χ^2/NDF : 2131694.4/58

All: 2300.700+/-0.191 χ^2/NDF : 3679440.4/11

- sign 2300.221+/-0.271 χ^2/NDF : 1547739.7/59

asym_atl2_correction_mean vs Slug



Right In: -992.119 $\pm$ 976.279 χ^2 /NDF: 36.6/33

Left Out: -1665.417 $\pm$ 993.060 χ^2 /NDF:32.4/24

Right Out: 243.644 $\pm$ 672.834 χ^2 /NDF: 59.8/36

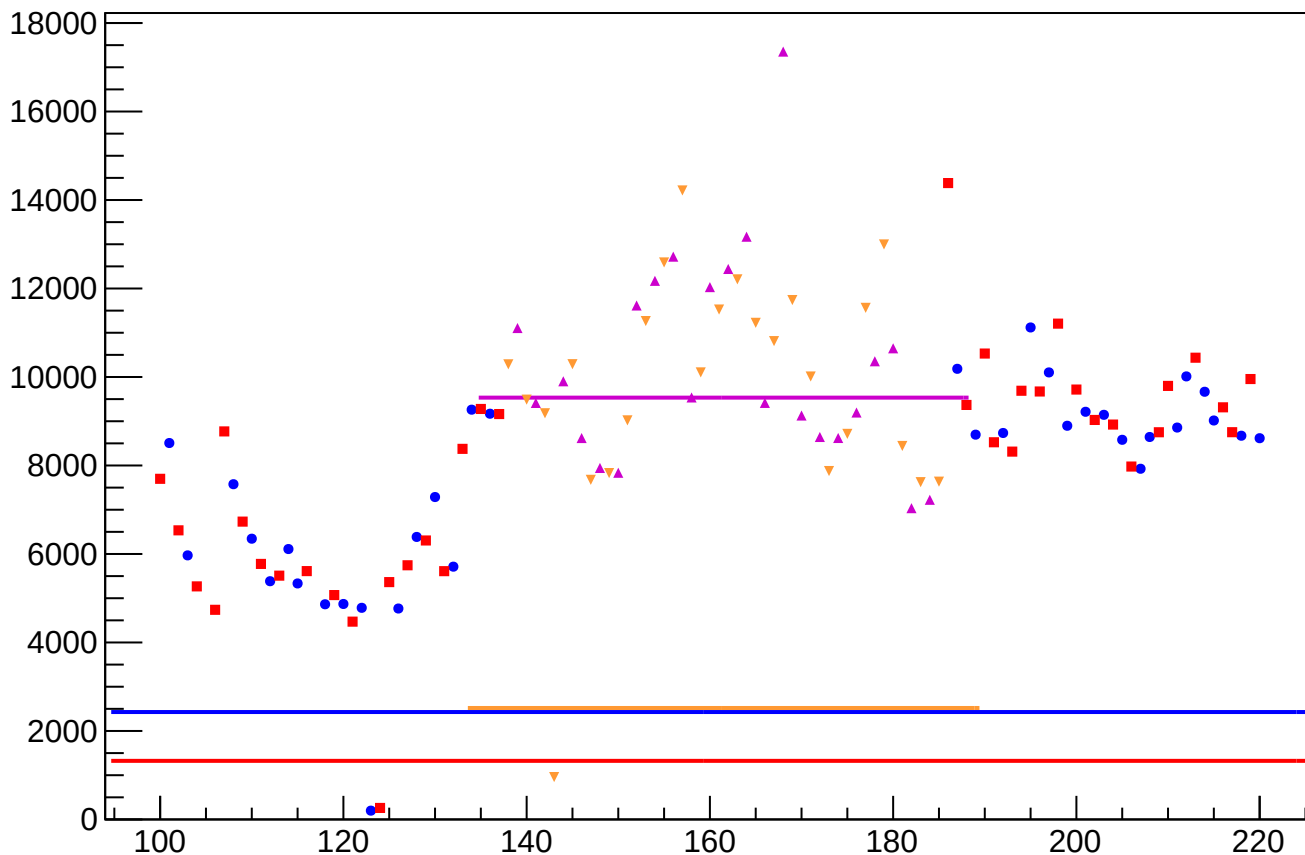
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1323.031 $\pm$ 696.191 χ^2 /NDF: 69.3/58

All: -488.482 $\pm$ 473.721 χ^2 /NDF: 145.5/118

- sign 231.085 $\pm$ 646.455 χ^2 /NDF: 73.6/59

asym_atl2_correction_rms vs Slug



Right In: 2427.757+/-0.690 χ^2/NDF : 25427863.5/33

Left Out: 2519.359+/-0.702 χ^2/NDF : 23642118.3/24

Right Out: 1324.464+/-0.476 χ^2/NDF : 30952681.1/36

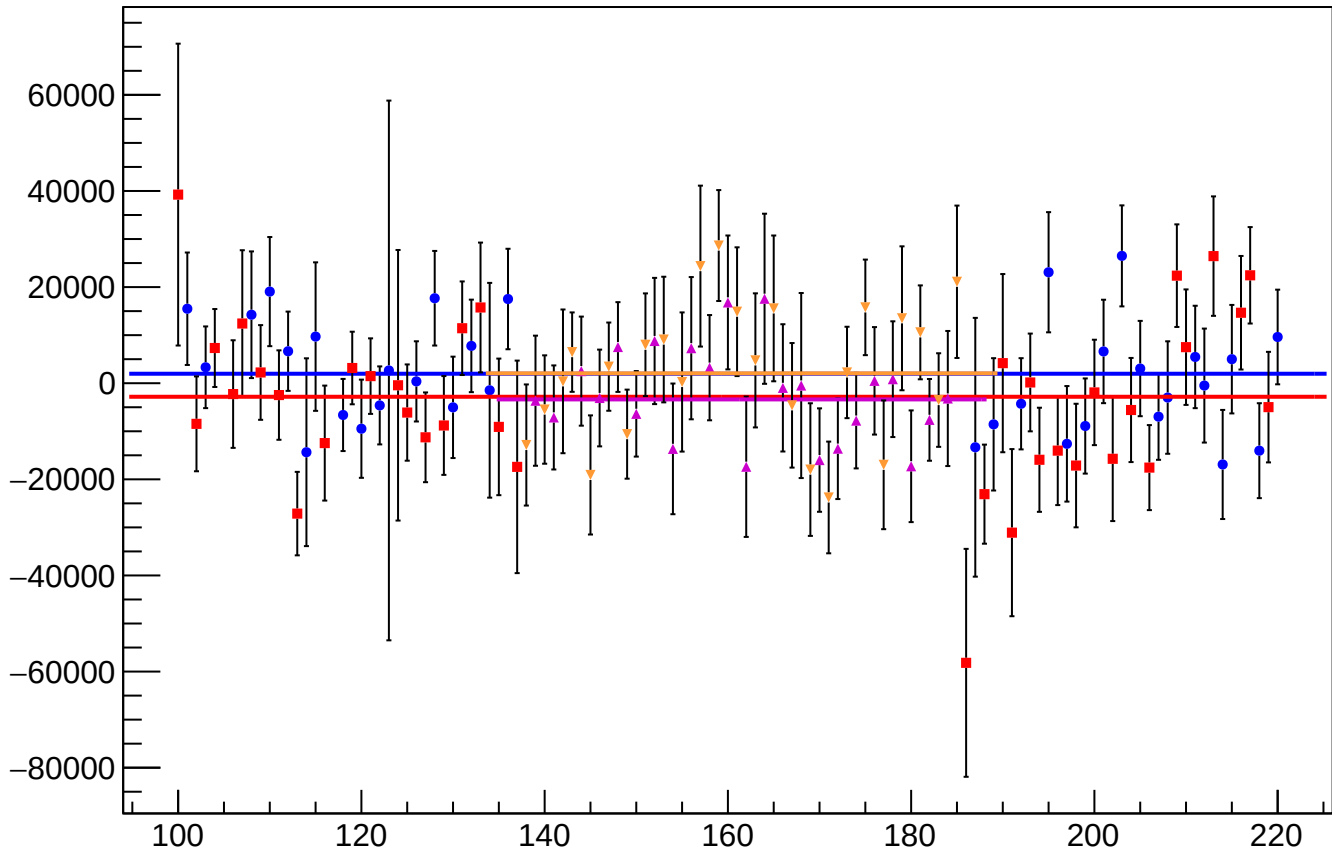
Left In: 9533.563+/-1.649 χ^2/NDF : 1316640.0/22

+ sign 2472.777+/-0.492 χ^2/NDF : 49078635.4/58

All: 2195.031+/-0.335 χ^2/NDF : 104828252.1

- sign 1955.551+/-0.457 χ^2/NDF : 55156823.3/59

asym_atl2_mean vs Slug



Right In: 1972.301+/-1839.404 χ^2/NDF : 34.5/33

Left Out: 2055.950+/-2333.494 χ^2/NDF : 30.7/24

Right Out: -2818.677+/-1820.857 χ^2/NDF : 60.4/36

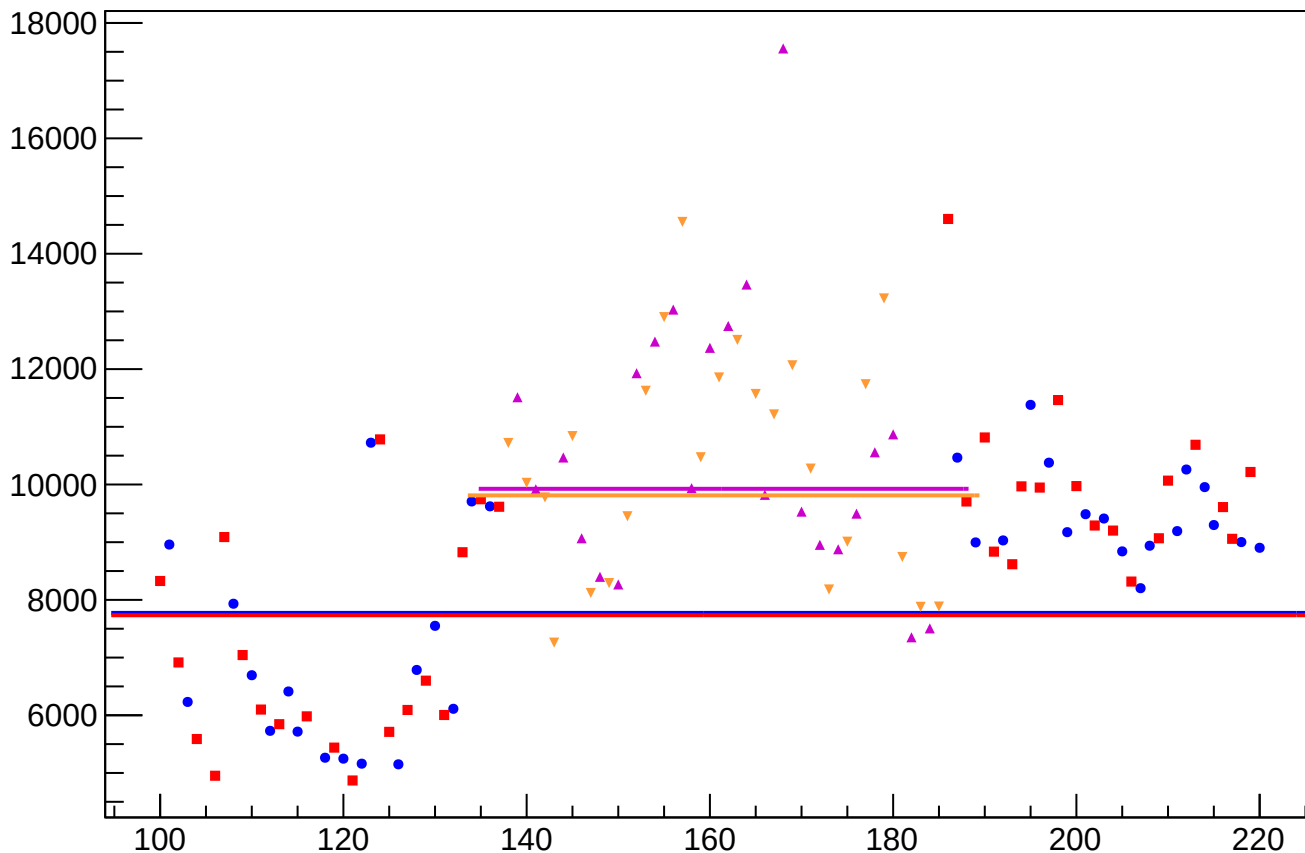
Left In: -3371.931+/-2423.242 χ^2/NDF : 13.1/22

+ sign 2004.358+/-1444.568 χ^2/NDF : 65.3/58

All: -487.712+/-1025.376 χ^2/NDF : 144.8/118

- sign -3018.329+/-1455.697 χ^2/NDF : 73.6/59

asym_atl2_rms vs Slug



Right In: 7774.300+/-1.301 χ^2 /NDF: 1995864.8/33

Left Out: 9811.053+/-1.650 χ^2 /NDF:1213831.0/24

Right Out: 7733.769+/-1.287 χ^2 /NDF: 2479625.6/36

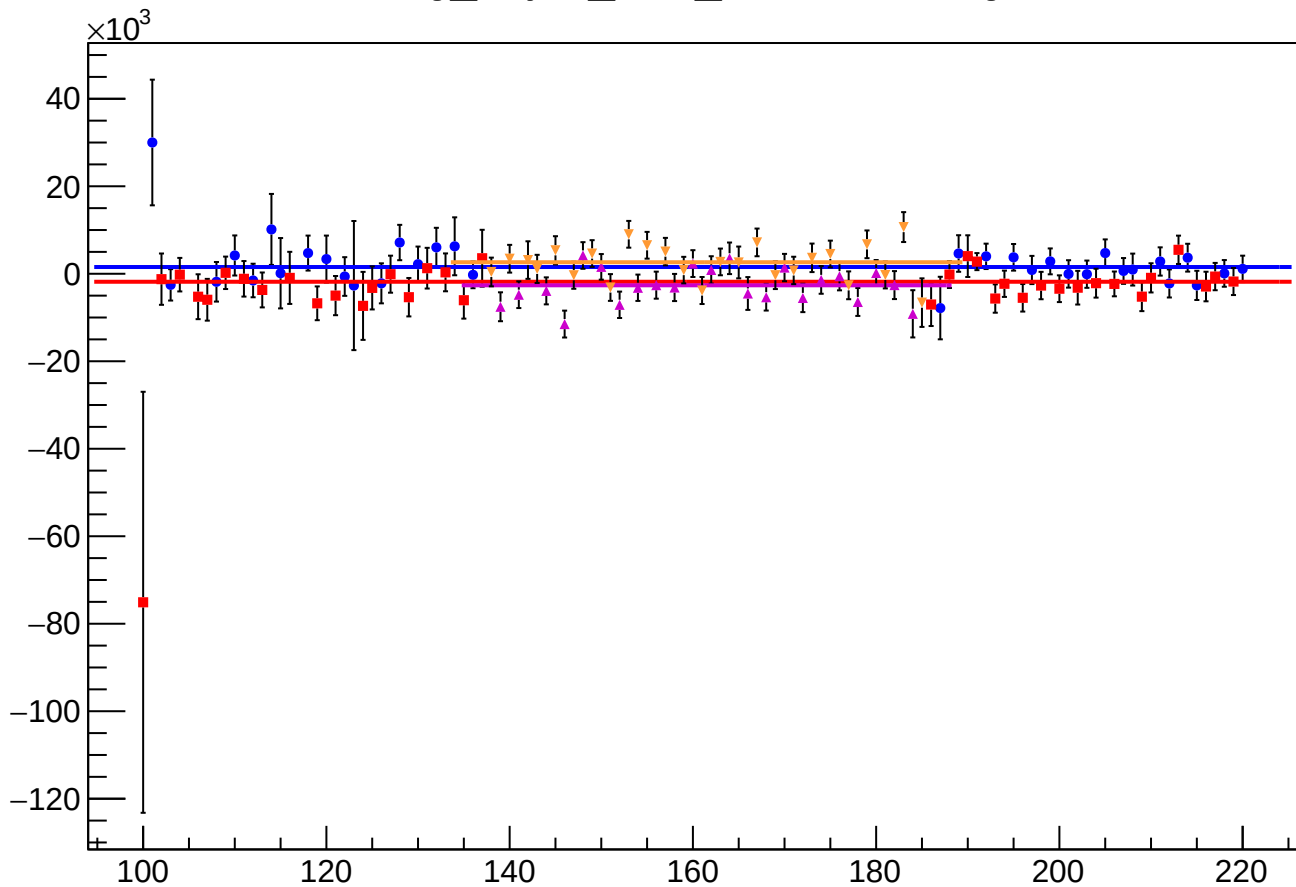
Left In: 9925.337+/-1.713 χ^2 /NDF:1211554.7/22

+ sign 8554.827+/-1.021 χ^2 /NDF: 4149467.8/58

All: 8539.821+/-0.725 χ^2 /NDF: 8886653.1/11

- sign 8524.583+/-1.029 χ^2 /NDF: 4736750.3/59

reg_asym_atr1_mean vs Slug



Right In: 1542.437 $\pm$ 646.616 χ^2 /NDF: 22.7/33

Left Out: 2635.833 $\pm$ 646.121 χ^2 /NDF: 35.1/24

Right Out: -1825.689 $\pm$ 609.457 χ^2 /NDF: 28.4/36

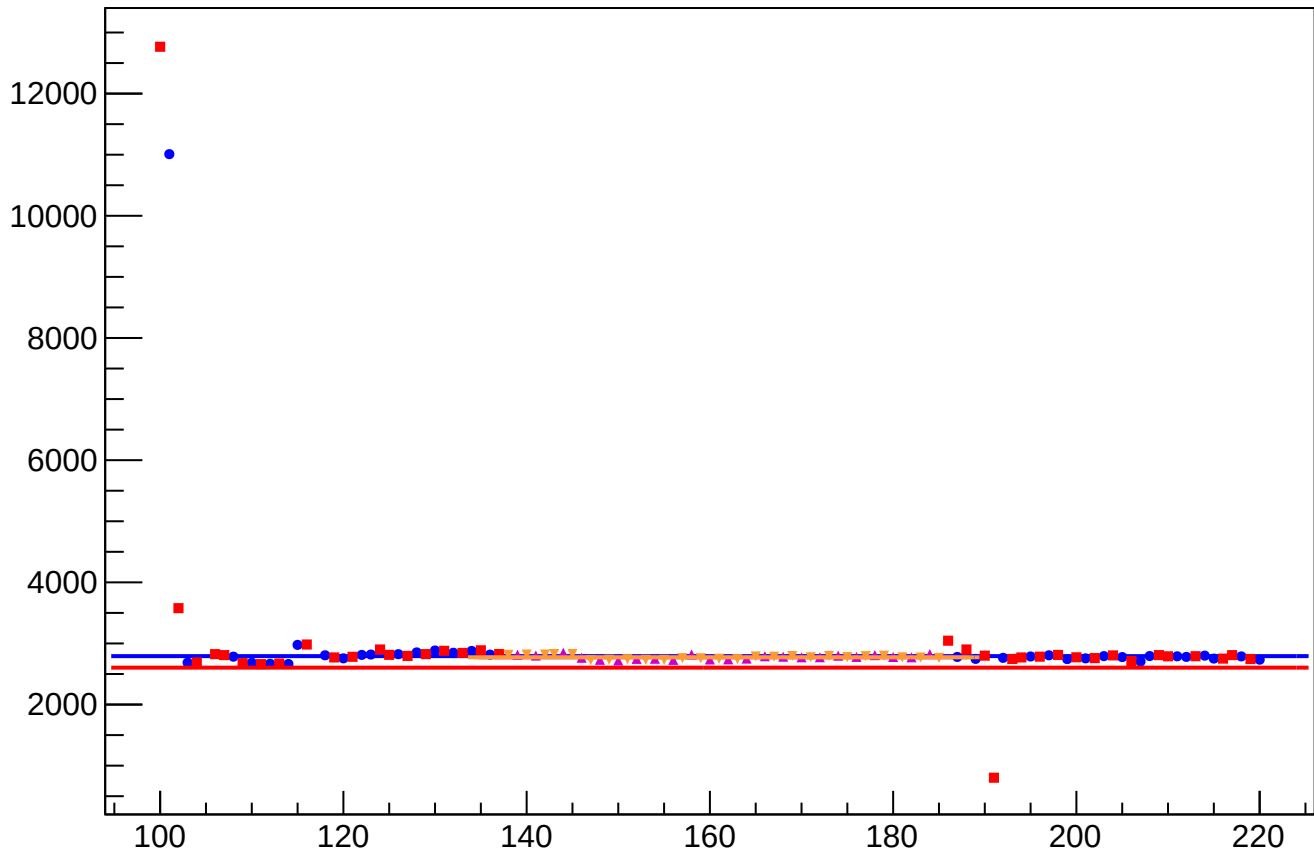
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF: 35.2/22

+ sign 2089.554 $\pm$ 457.051 χ^2 /NDF: 59.2/58

All: -91.008 $\pm$ 320.363 χ^2 /NDF: 168.4/118

- sign -2197.048 $\pm$ 449.174 χ^2 /NDF: 64.5/59

reg_asym_atr1_rms vs Slug



Right In: 2792.577+/-0.457 χ^2/NDF : 667823.9/33

Left Out: 2773.713+/-0.457 χ^2/NDF : 4616.5/24

Right Out: 2604.072+/-0.431 χ^2/NDF : 2041078.9/36

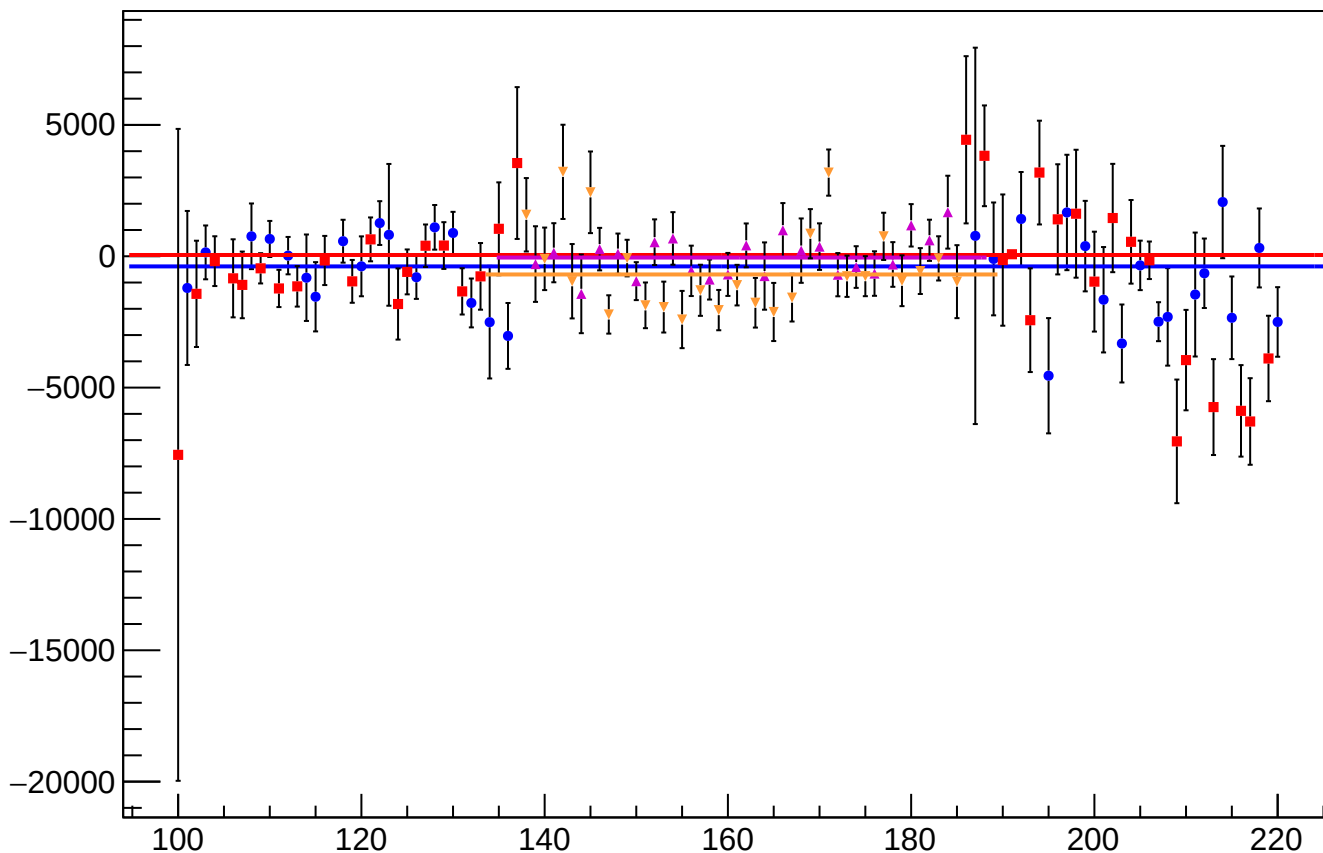
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2783.138+/-0.323 χ^2/NDF : 673292.0/58

All: 2731.545+/-0.227 χ^2/NDF : 2840510.8/11

- sign 2681.716+/-0.318 χ^2/NDF : 2117120.5/59

asym_atr1_correction_mean vs Slug



Right In: -386.053 ± 201.472 $\chi^2/\text{NDF}: 48.7/33$

Left Out: -692.808 ± 187.297 $\chi^2/\text{NDF}: 56.0/24$

Right Out: 48.477 ± 37.773 $\chi^2/\text{NDF}: 86.1/36$

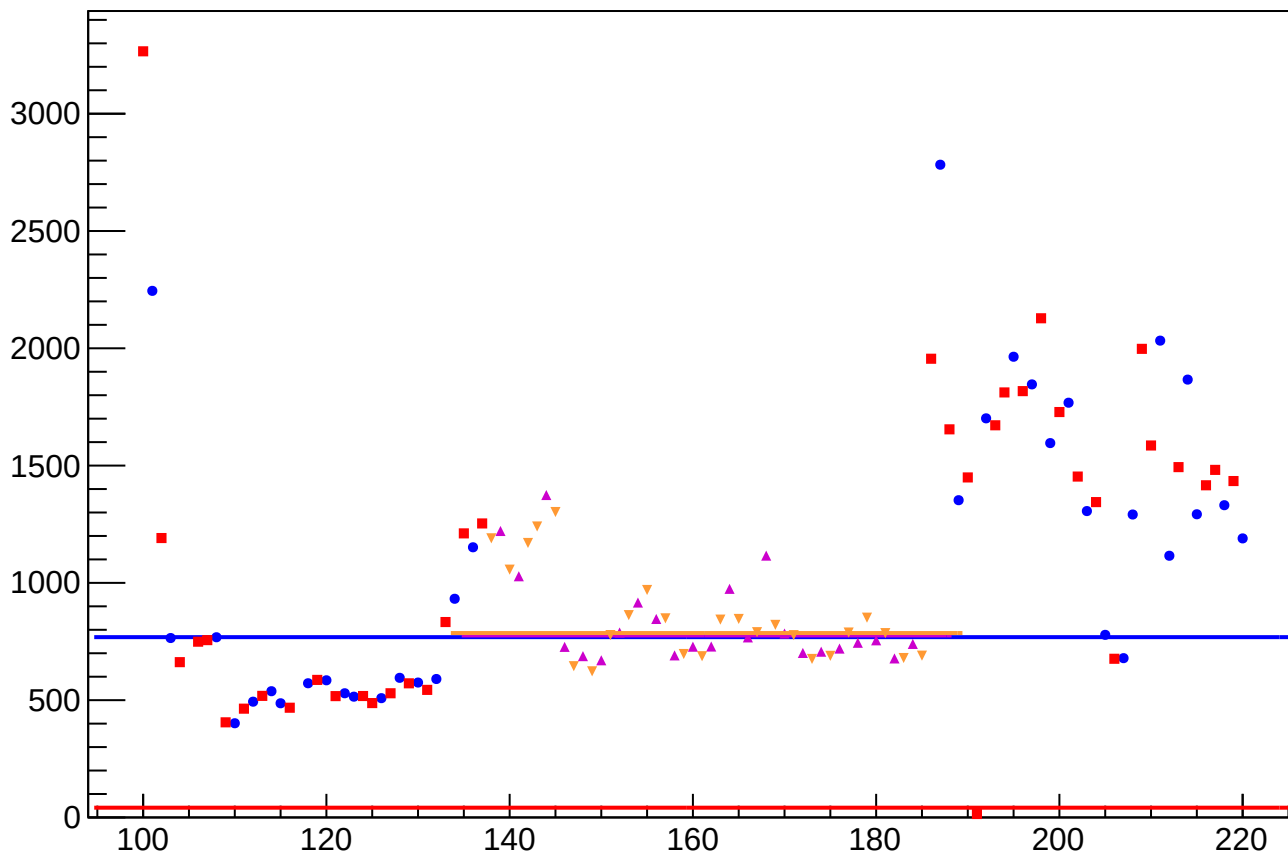
Left In: -49.244 ± 189.190 $\chi^2/\text{NDF}: 13.6/22$

+ sign -550.600 ± 137.177 $\chi^2/\text{NDF}: 105.9/58$

All: 4.271 ± 35.761 $\chi^2/\text{NDF}: 223.5/118$

- sign 44.731 ± 37.042 $\chi^2/\text{NDF}: 100.0/59$

asym_atr1_correction_rms vs Slug



Right In: 768.657 $\pm$ 0.142 χ^2 /NDF: 7805651.8/33

Left Out: 786.173 $\pm$ 0.132 χ^2 /NDF: 1249536.1/24

Right Out: 41.626 $\pm$ 0.027 χ^2 /NDF: 35082845.9/36

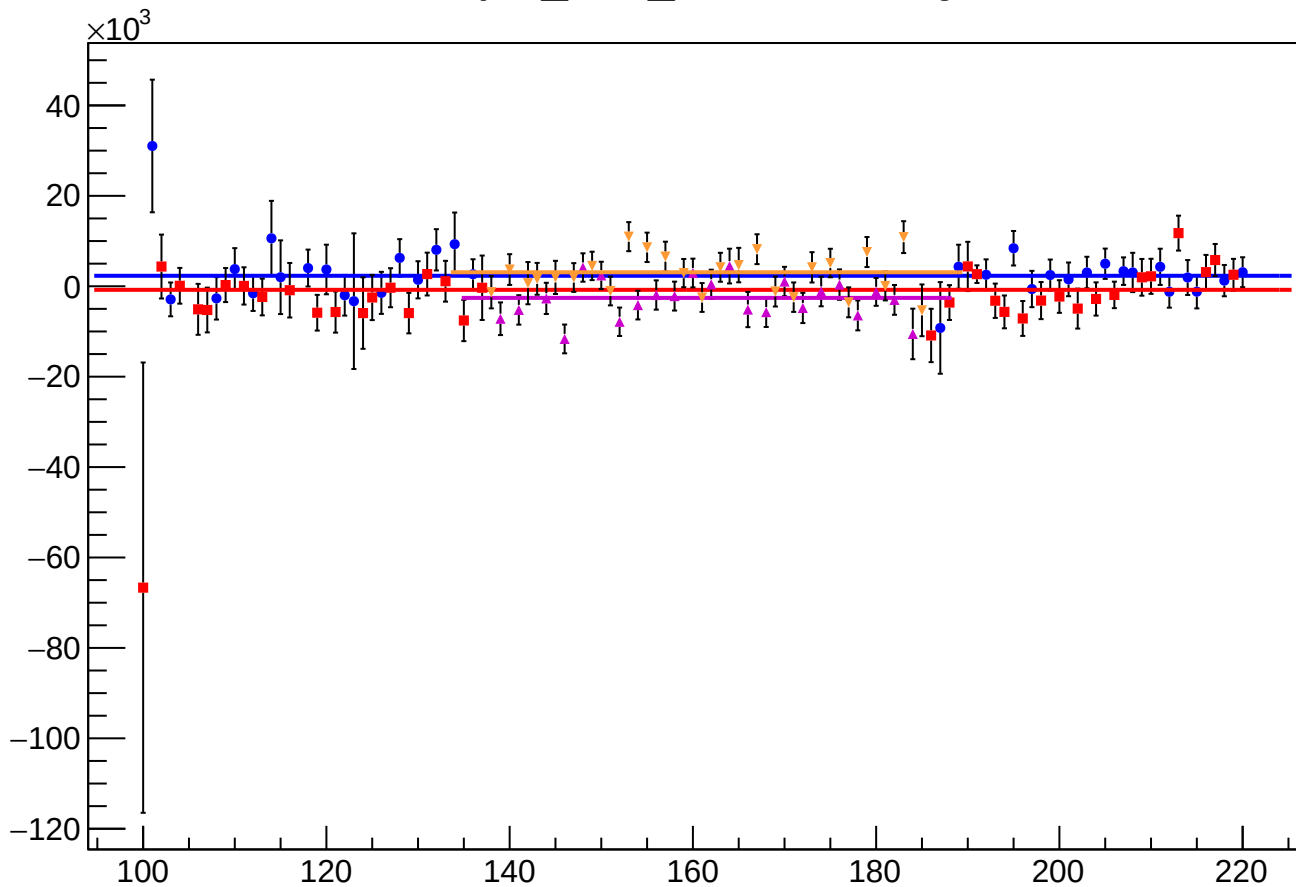
Left In: 775.930 $\pm$ 0.134 χ^2 /NDF: 1056766.5/22

+ sign 778.053 $\pm$ 0.097 χ^2 /NDF: 9063296.7/58

All: 117.912 $\pm$ 0.025 χ^2 /NDF: 123871565.5/100

- sign 69.776 $\pm$ 0.026 χ^2 /NDF: 65113705.5/59

asym_atr1_mean vs Slug



Right In: 2316.462 $\pm$ 716.204 χ^2 /NDF: 22.2/33

Left Out: 3094.826 $\pm$ 678.510 χ^2 /NDF:38.7/24

Right Out: -789.447 $\pm$ 672.062 χ^2 /NDF: 42.9/36

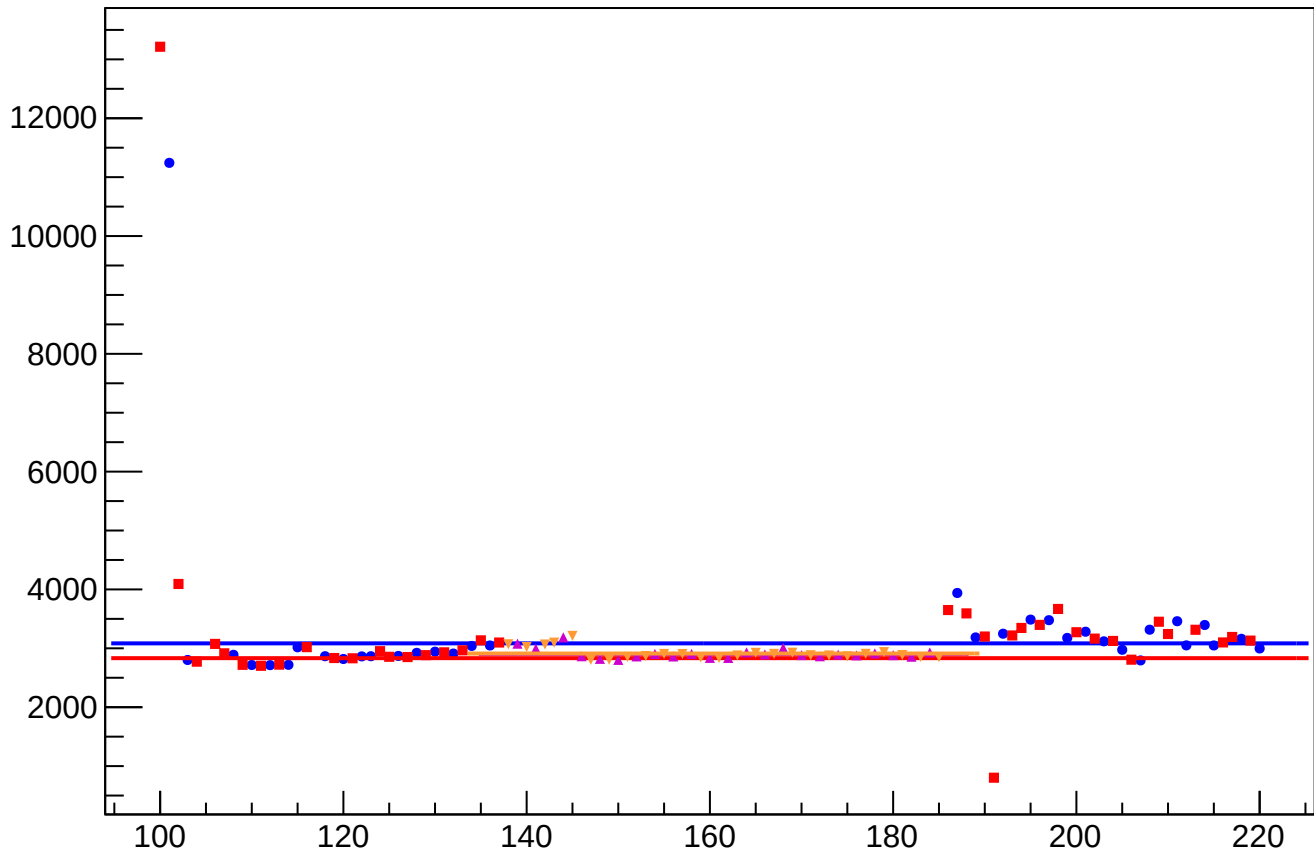
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2726.665 $\pm$ 492.566 χ^2 /NDF: 61.5/58

All: 497.003 $\pm$ 345.008 χ^2 /NDF: 183.8/118

- sign -1650.377 $\pm$ 483.392 χ^2 /NDF: 82.0/59

asym_atr1_rms vs Slug



Right In: 3083.981+/-0.506 χ^2/NDF : 824416.9/33

Left Out: 2911.226+/-0.480 χ^2/NDF : 36644.3/24

Right Out: 2832.795+/-0.475 χ^2/NDF : 2858273.1/36

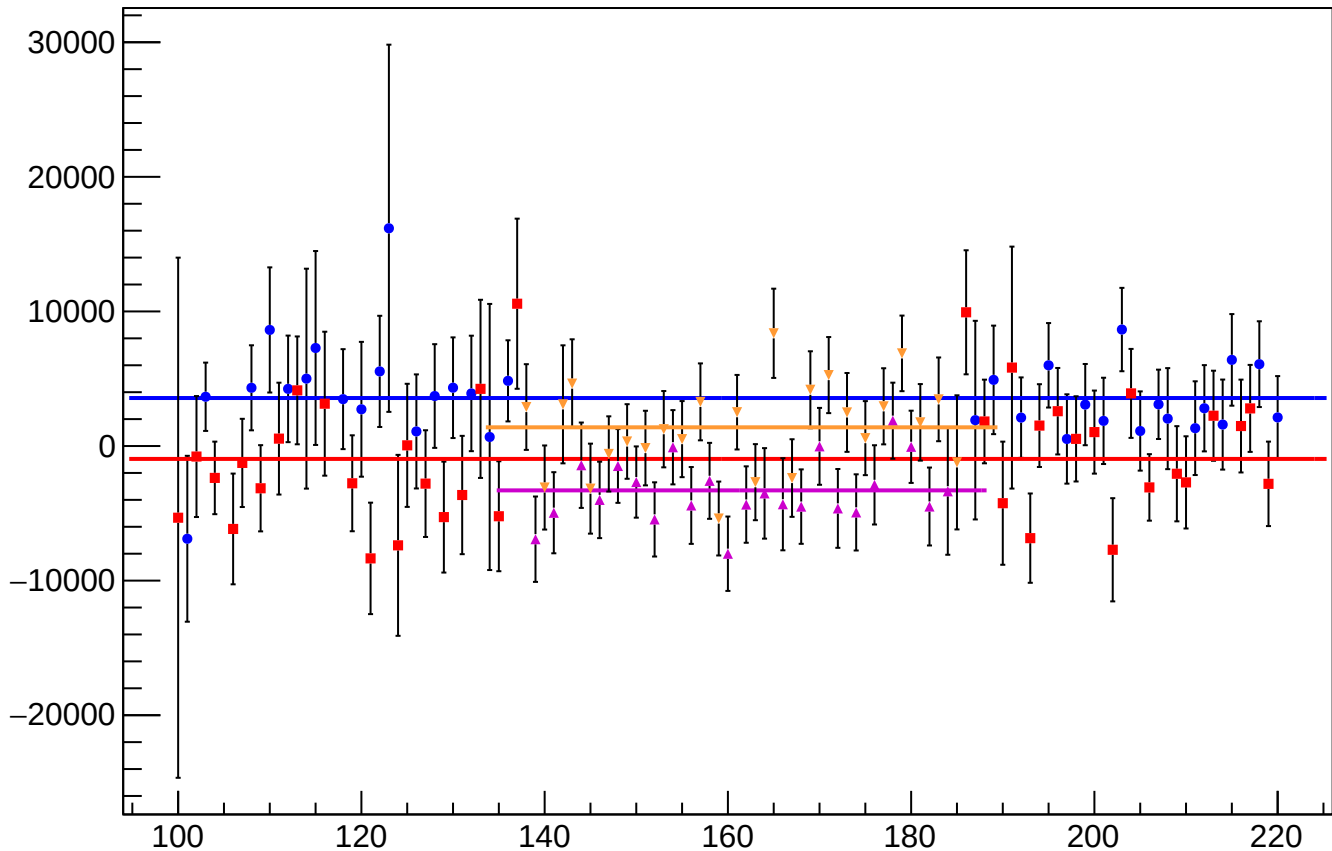
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2992.938+/-0.348 χ^2/NDF : 922385.6/58

All: 2928.723+/-0.244 χ^2/NDF : 3886883.0/11

- sign 2866.878+/-0.342 χ^2/NDF : 2897768.9/59

reg_asym_atr2_mean vs Slug



Right In: 3566.686 $\pm$ 624.457 χ^2 /NDF: 14.3/33

Left Out: 1390.275 $\pm$ 596.516 χ^2 /NDF: 29.2/24

Right Out: -957.736 $\pm$ 614.042 χ^2 /NDF: 38.5/36

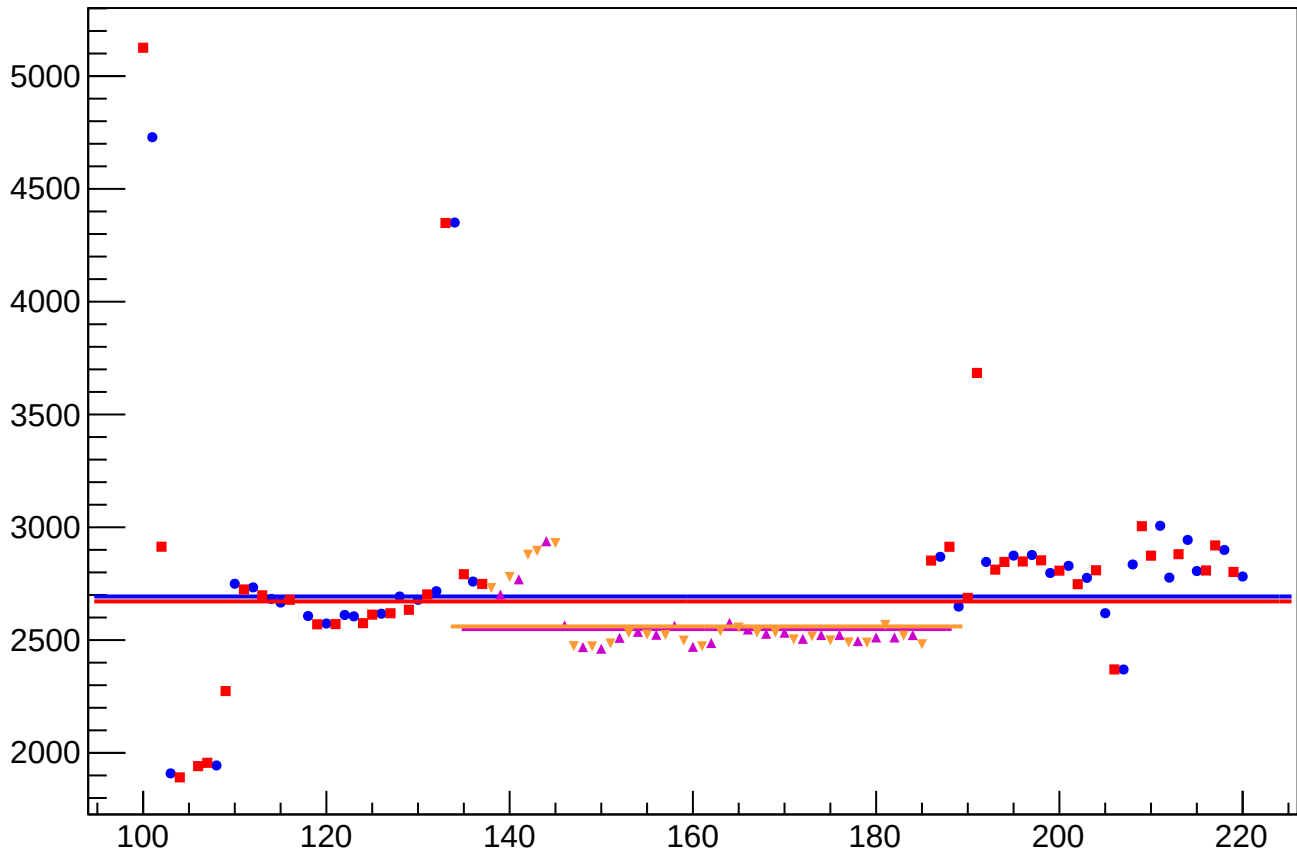
Left In: -3295.367 $\pm$ 609.991 χ^2 /NDF: 14.9/22

+ sign 2428.701 $\pm$ 431.340 χ^2 /NDF: 49.8/58

All: 154.672 $\pm$ 305.502 χ^2 /NDF: 166.2/118

- sign -2134.286 $\pm$ 432.754 χ^2 /NDF: 60.6/59

reg_asym_atr2_rms vs Slug



Right In: 2693.202 $\pm$ 0.442 χ^2 /NDF: 686762.2/33

Left Out: 2560.531 $\pm$ 0.422 χ^2 /NDF: 86771.4/24

Right Out: 2671.429 $\pm$ 0.434 χ^2 /NDF: 682258.9/36

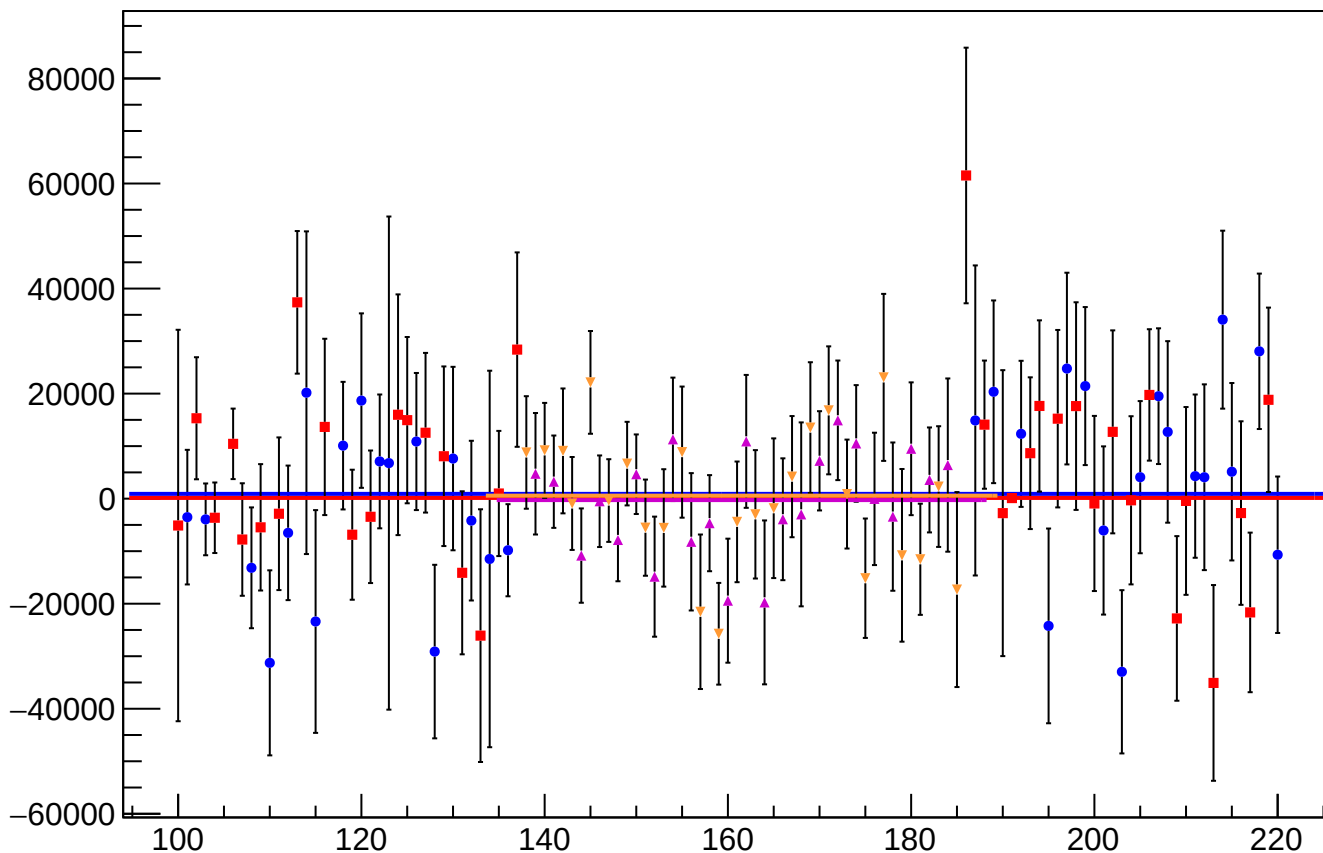
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2623.832 $\pm$ 0.305 χ^2 /NDF: 820736.6/58

All: 2616.811 $\pm$ 0.216 χ^2 /NDF: 1599426.4/11

- sign 2609.744 $\pm$ 0.306 χ^2 /NDF: 777626.5/59

asym_atr2_correction_mean vs Slug



Right In: 911.197 $\pm$ 2491.399 χ^2 /NDF: 38.3/33

Left Out: 572.477 $\pm$ 2184.376 χ^2 /NDF:28.2/24

Right Out: 136.649 $\pm$ 194.865 χ^2 /NDF: 43.0/36

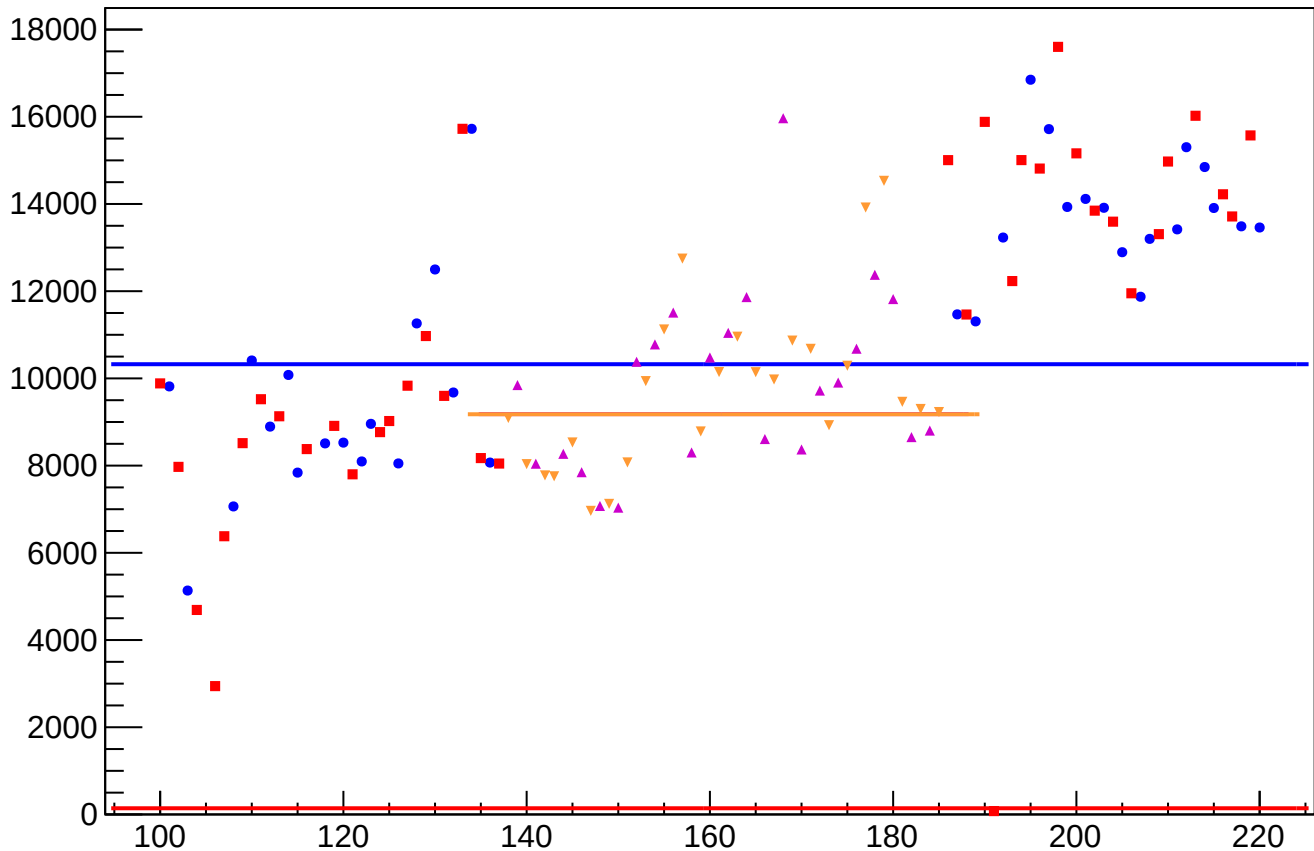
Left In: -275.116 $\pm$ 2242.836 χ^2 /NDF:15.7/22

+ sign 719.691 $\pm$ 1642.472 χ^2 /NDF: 66.5/58

All: 141.640 $\pm$ 192.792 χ^2 /NDF: 125.3/118

- sign 133.564 $\pm$ 194.134 χ^2 /NDF: 58.7/59

asym_atr2_correction_rms vs Slug



Right In: 10325.285 $\pm$ 1.762 χ^2 /NDF: 3430402.9/33

Left Out: 9177.688 $\pm$ 1.545 χ^2 /NDF:1176195.8/24

Right Out: 141.924 $\pm$ 0.138 χ^2 /NDF: 37267179.9/36

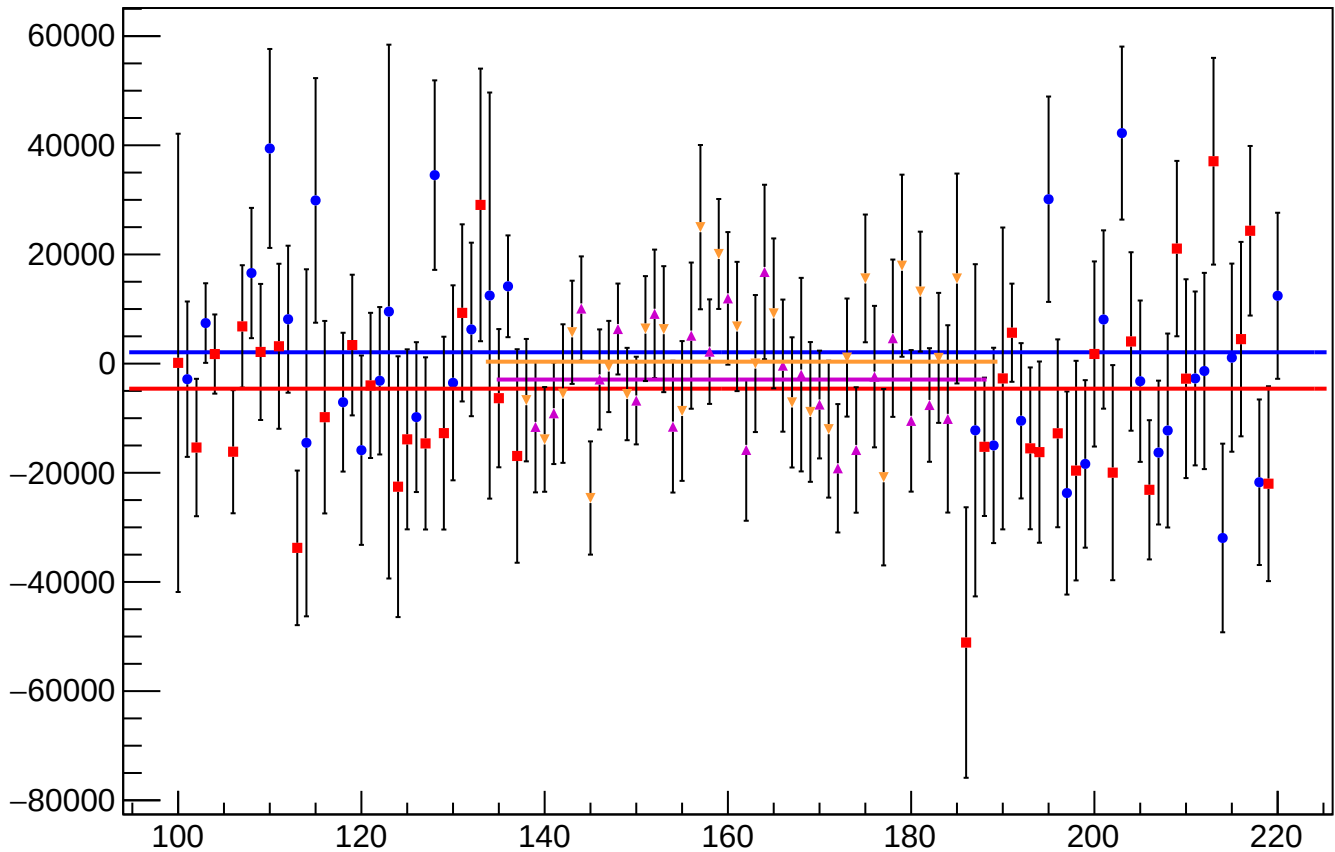
Left In: 9181.254 $\pm$ 1.586 χ^2 /NDF:1236469.7/22

+ sign 9676.456 $\pm$ 1.161 χ^2 /NDF: 4846517.1/58

All: 340.080 $\pm$ 0.136 χ^2 /NDF: 141119979.3/3

- sign 209.648 $\pm$ 0.137 χ^2 /NDF: 70747088.5/59

asym_atr2_mean vs Slug



Right In: 2078.570 $\pm$ 2596.133 χ^2 /NDF: 40.3/33

Left Out: 355.717 $\pm$ 2281.682 χ^2 /NDF: 26.2/24

Right Out: -4590.621 $\pm$ 2418.841 χ^2 /NDF: 35.9/36

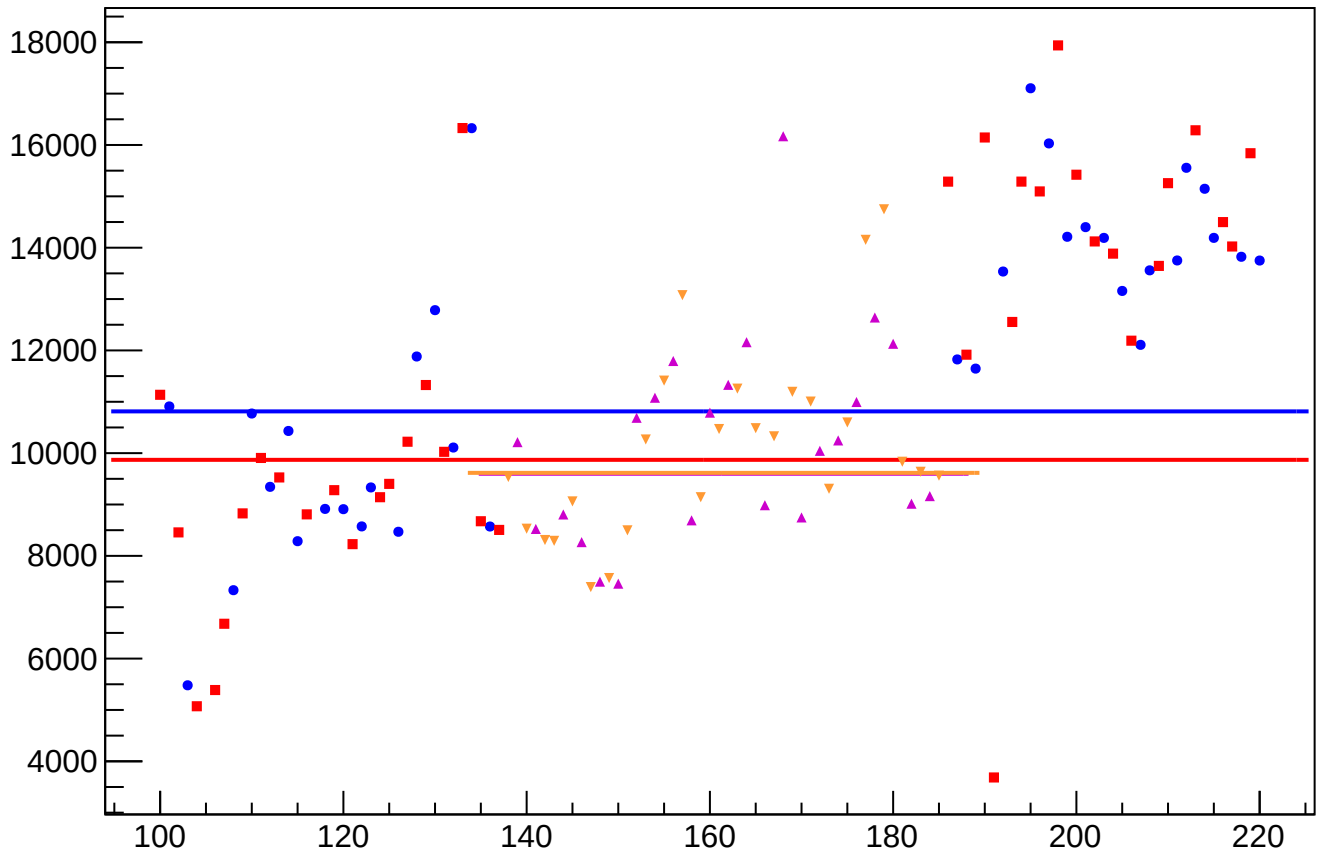
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 1106.539 $\pm$ 1713.844 χ^2 /NDF: 66.8/58

All: -1356.257 $\pm$ 1200.177 χ^2 /NDF: 121.9/111

- sign -3726.241 $\pm$ 1681.240 χ^2 /NDF: 51.1/59

asym_atr2_rms vs Slug



Right In: 10812.993+/-1.836 χ^2/NDF : 3095717.2/33

Left Out: 9616.245+/-1.613 χ^2/NDF :1011665.6/24

Right Out: 9869.633+/-1.710 χ^2/NDF : 5110010.4/36

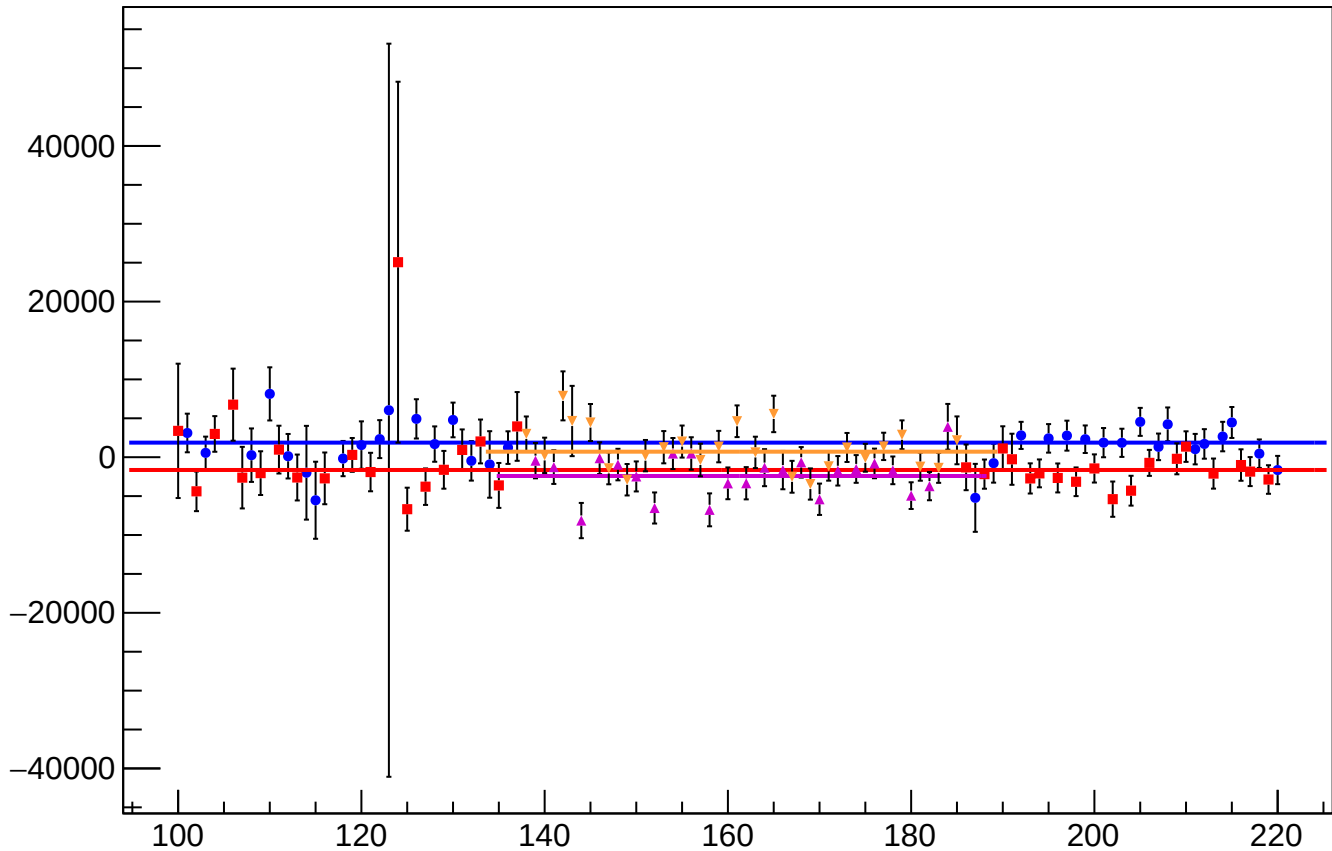
Left In: 9598.531+/-1.654 χ^2/NDF :1082171.6/22

+ sign 10137.789+/-1.212 χ^2/NDF : 4347162.9/58

All: 9929.725+/-0.849 χ^2/NDF : 10610173.9/1

- sign 9729.506+/-1.189 χ^2/NDF : 6205168.5/59

reg_asym_atl_avg_mean vs Slug



Right In: 1872.390 ± 384.482 χ^2/NDF : 27.0/33

Left Out: 709.722 ± 417.377 χ^2/NDF : 34.8/24

Right Out: -1642.696 ± 385.662 χ^2/NDF : 31.9/36

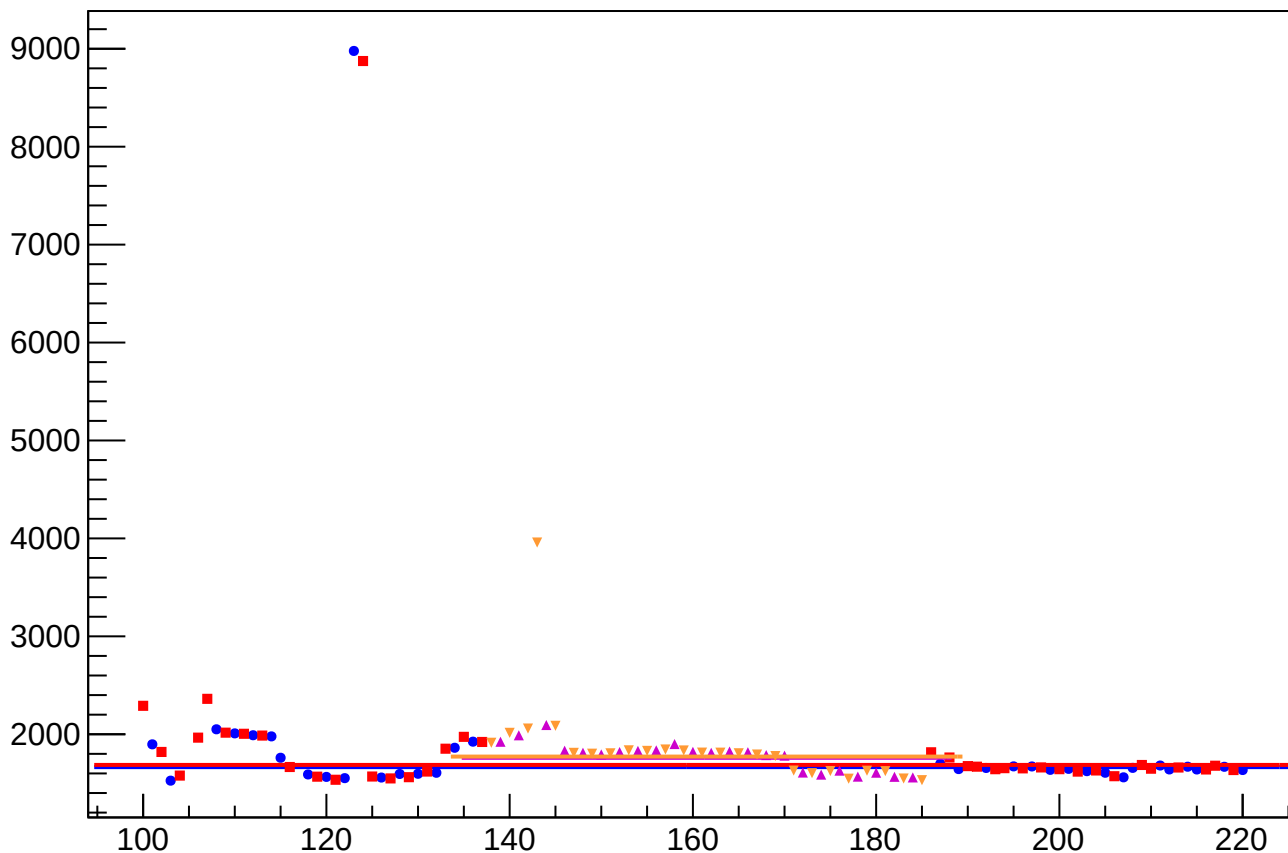
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 1338.673 ± 282.785 χ^2/NDF : 66.0/58

All: -313.234 ± 200.785 χ^2/NDF : 202.6/118

- sign -1992.724 ± 285.136 χ^2/NDF : 67.7/59

reg_asym_atl_avg_rms vs Slug



Right In: 1664.440+/-0.272 χ^2/NDF : 217111.0/33

Left Out: 1772.046+/-0.295 χ^2/NDF : 702472.4/24

Right Out: 1686.919+/-0.272 χ^2/NDF : 441171.3/36

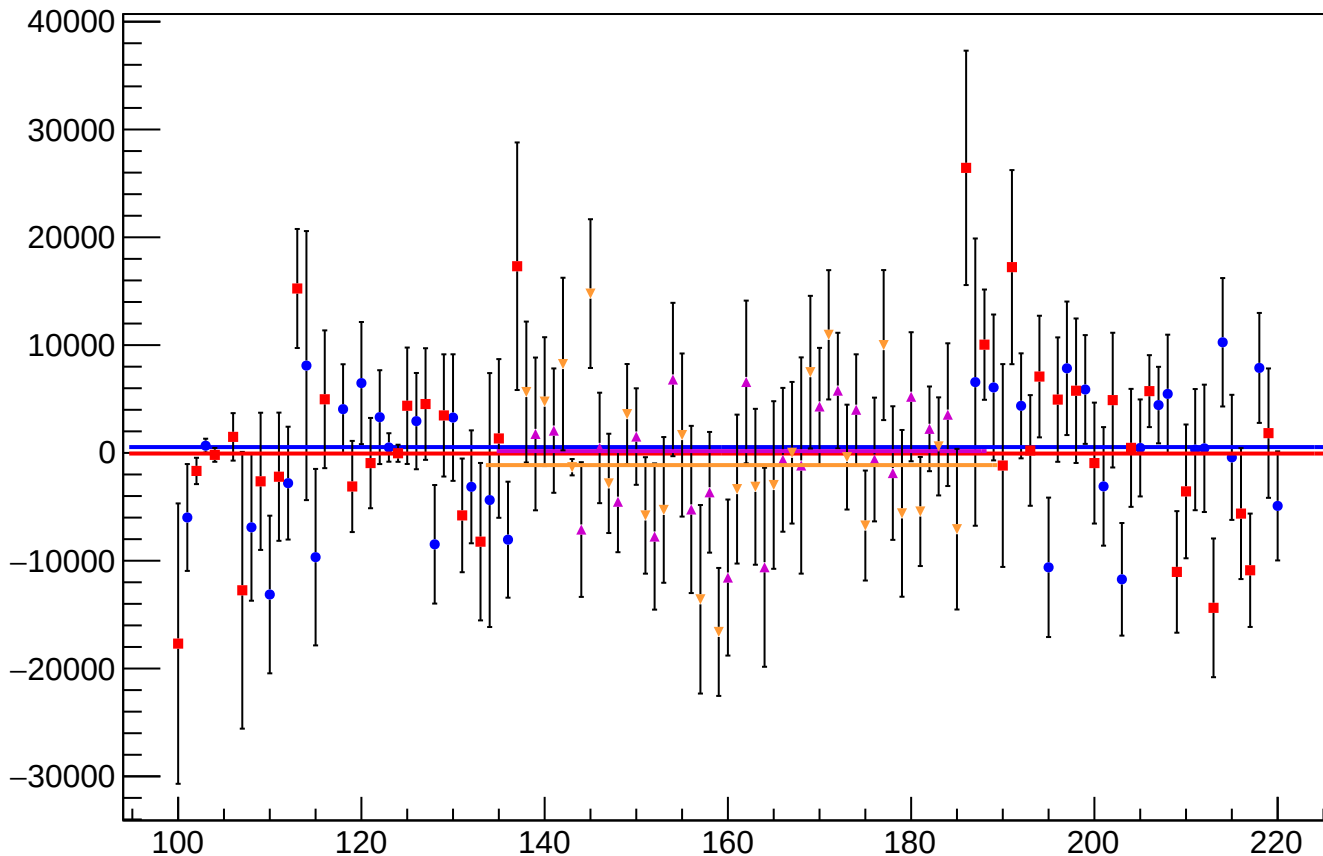
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1713.836+/-0.200 χ^2/NDF : 991495.7/58

All: 1716.804+/-0.142 χ^2/NDF : 1680249.7/11

- sign 1719.817+/-0.201 χ^2/NDF : 688309.9/59

asym_atl_avg_correction_mean vs Slug



Right In: 541.414 $\pm$ 499.545 χ^2 /NDF: 38.3/33

Left Out: -1129.807 $\pm$ 647.600 χ^2 /NDF:31.5/24

Right Out: -58.318 $\pm$ 413.013 χ^2 /NDF: 55.5/36

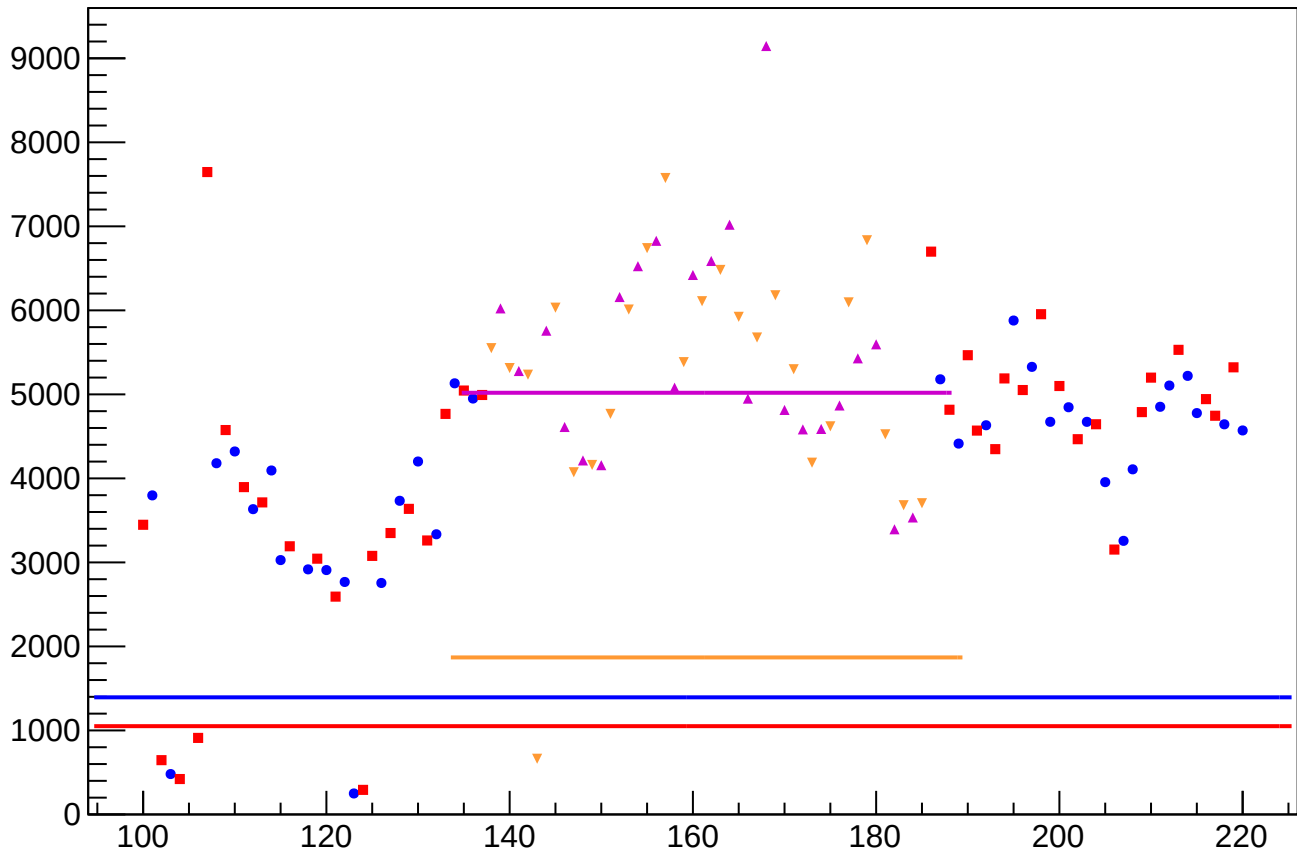
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -82.036 $\pm$ 395.540 χ^2 /NDF: 74.0/58

All: -58.510 $\pm$ 278.288 χ^2 /NDF: 143.6/118

- sign -35.449 $\pm$ 391.607 χ^2 /NDF: 69.6/59

asym_atl_avg_correction_rms vs Slug



Right In: 1394.072 $\pm$ 0.353 χ^2 /NDF: 22069206.5/33

Left Out: 1868.983 $\pm$ 0.458 χ^2 /NDF: 19852416.6/24

Right Out: 1050.865 $\pm$ 0.292 χ^2 /NDF: 25005926.9/36

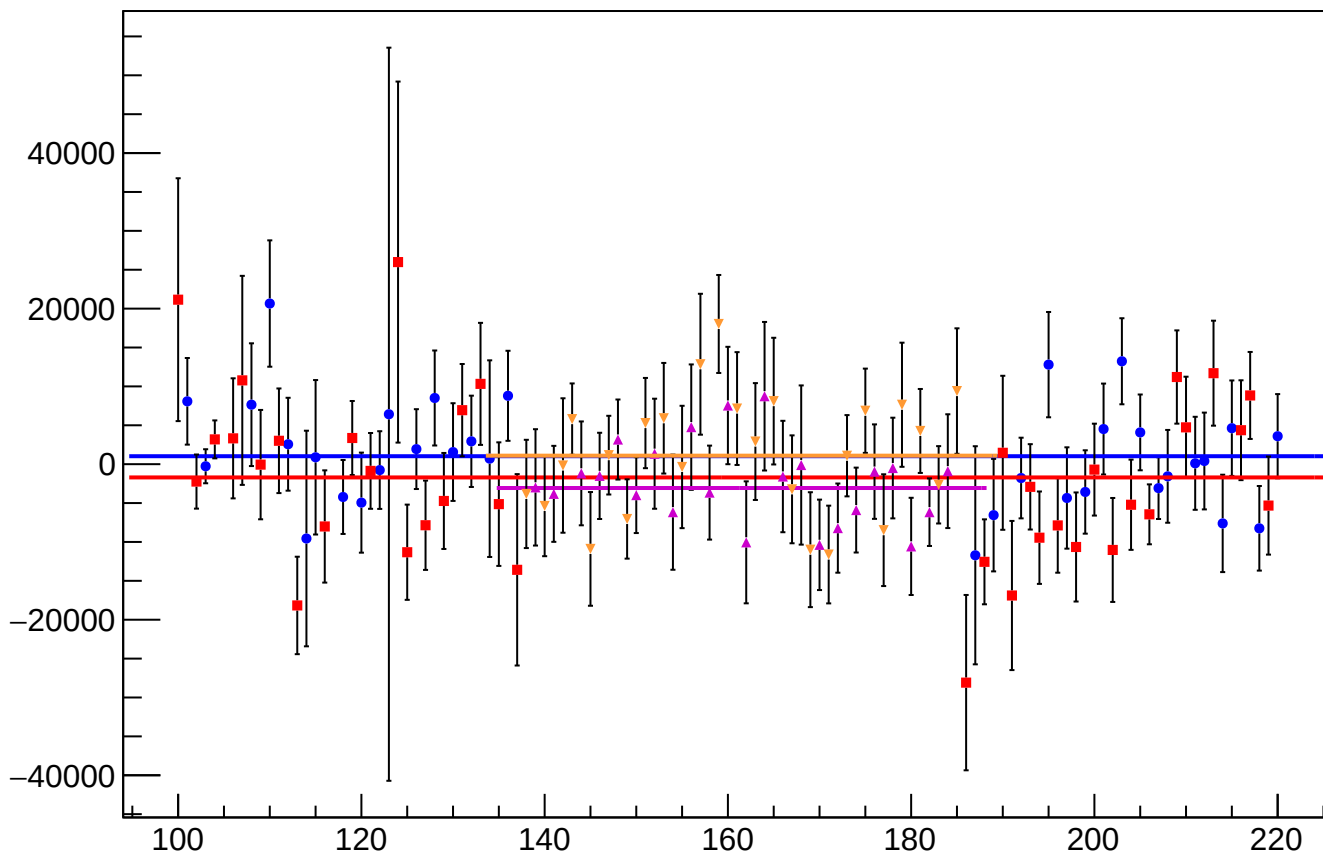
Left In: 5019.114 $\pm$ 0.871 χ^2 /NDF: 1569031.9/22

+ sign 1571.238 $\pm$ 0.280 χ^2 /NDF: 42595955.7/58

All: 1510.790 $\pm$ 0.197 χ^2 /NDF: 87905343.8/100

- sign 1451.537 $\pm$ 0.277 χ^2 /NDF: 45216890.9/59

asym_atl_avg_mean vs Slug



Right In: 1023.588 $\pm$ 957.505 χ^2 /NDF: 33.8/33

Left Out: 1094.317 $\pm$ 1273.113 χ^2 /NDF:32.0/24

Right Out: -1704.993 $\pm$ 963.734 χ^2 /NDF: 62.4/36

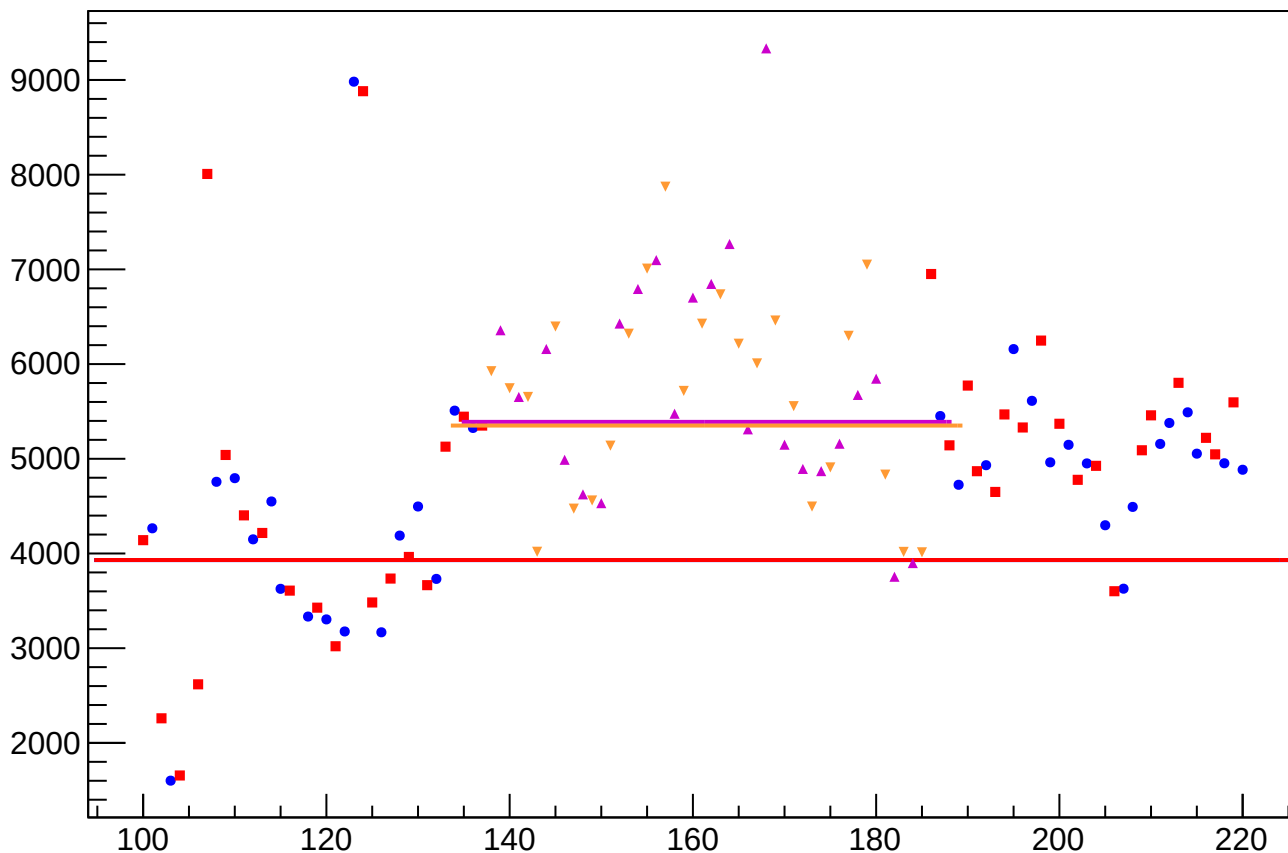
Left In: -3064.775 $\pm$ 1318.173 χ^2 /NDF:12.6/22

+ sign 1049.141 $\pm$ 765.233 χ^2 /NDF: 65.7/58

All: -538.088 $\pm$ 545.553 χ^2 /NDF: 150.1/118

- sign -2178.650 $\pm$ 777.983 χ^2 /NDF: 75.6/59

asym_atl_avg_rms vs Slug



Right In: 3930.201 $\pm$ 0.677 χ^2 /NDF: 3916653.1/33

Left Out: 5350.804 $\pm$ 0.900 χ^2 /NDF:1241497.9/24

Right Out: 3931.138 $\pm$ 0.676 χ^2 /NDF: 4602917.7/36

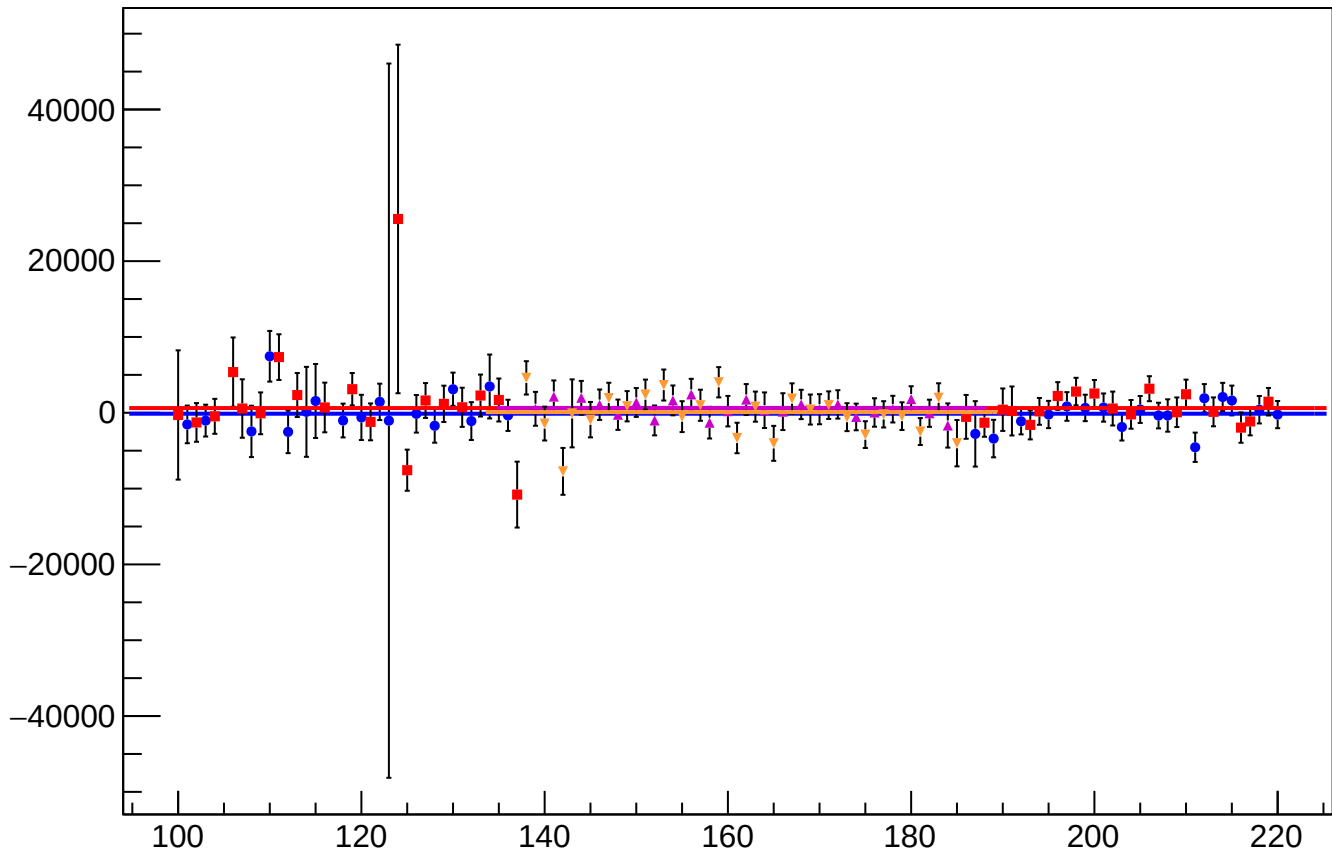
Left In: 5389.724 $\pm$ 0.932 χ^2 /NDF:1309863.0/22

+ sign 4443.446 $\pm$ 0.541 χ^2 /NDF: 6748702.1/58

All: 4438.661 $\pm$ 0.385 χ^2 /NDF: 14266565.9/1

- sign 4433.768 $\pm$ 0.547 χ^2 /NDF: 7517705.6/59

reg_asym_atl_dd_mean vs Slug



Right In: -124.152 ± 379.198 χ^2/NDF : 24.1/33

Left Out: 86.214 ± 411.530 χ^2/NDF : 36.0/24

Right Out: 622.249 ± 380.201 χ^2/NDF : 39.6/36

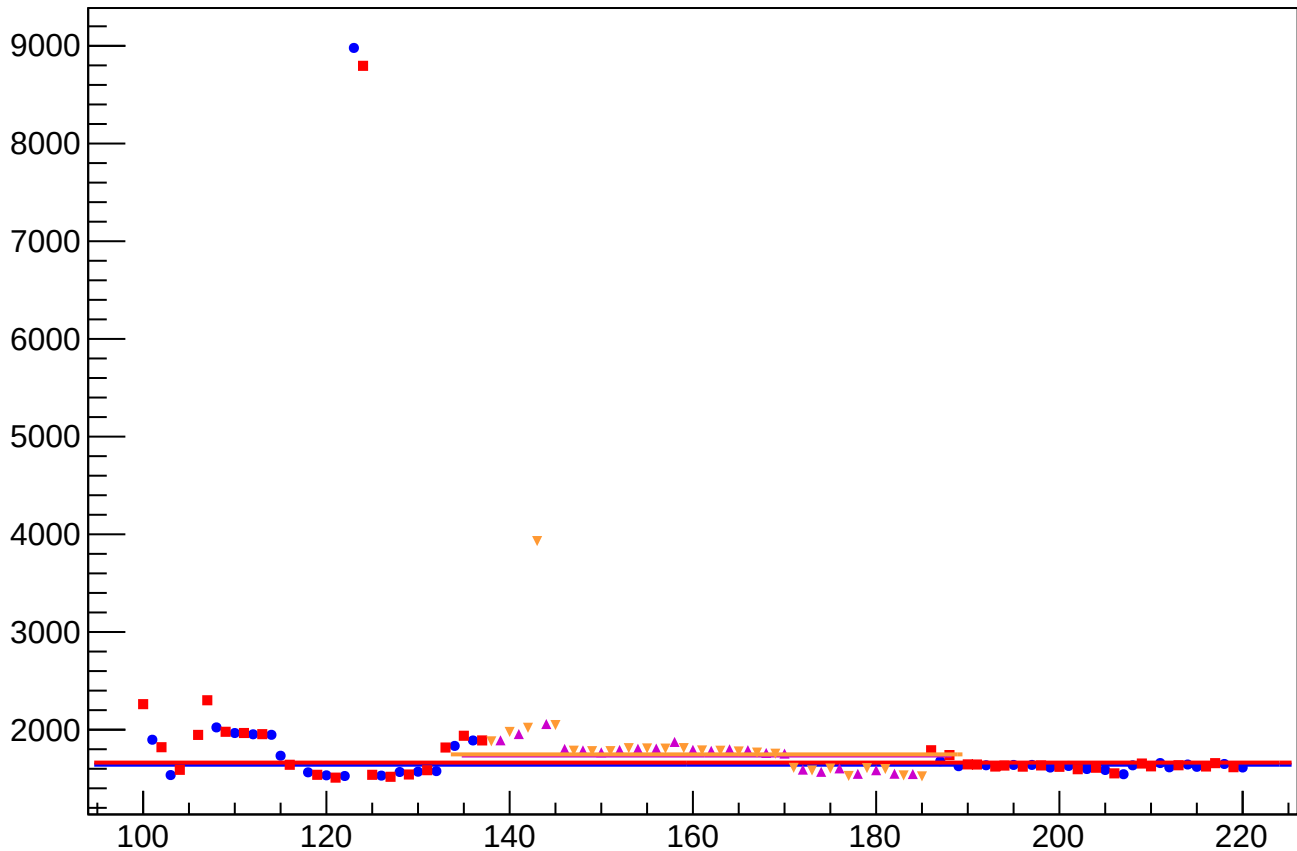
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -27.556 ± 278.864 χ^2/NDF : 60.2/58

All: 298.736 ± 197.990 χ^2/NDF : 108.8/118

- sign 630.400 ± 281.150 χ^2/NDF : 45.7/59

reg_asym_atl_dd_rms vs Slug



Right In: 1641.617 $\pm$ 0.268 χ^2 /NDF: 214398.6/33

Left Out: 1747.320 $\pm$ 0.291 χ^2 /NDF: 698192.3/24

Right Out: 1663.252 $\pm$ 0.268 χ^2 /NDF: 436291.1/36

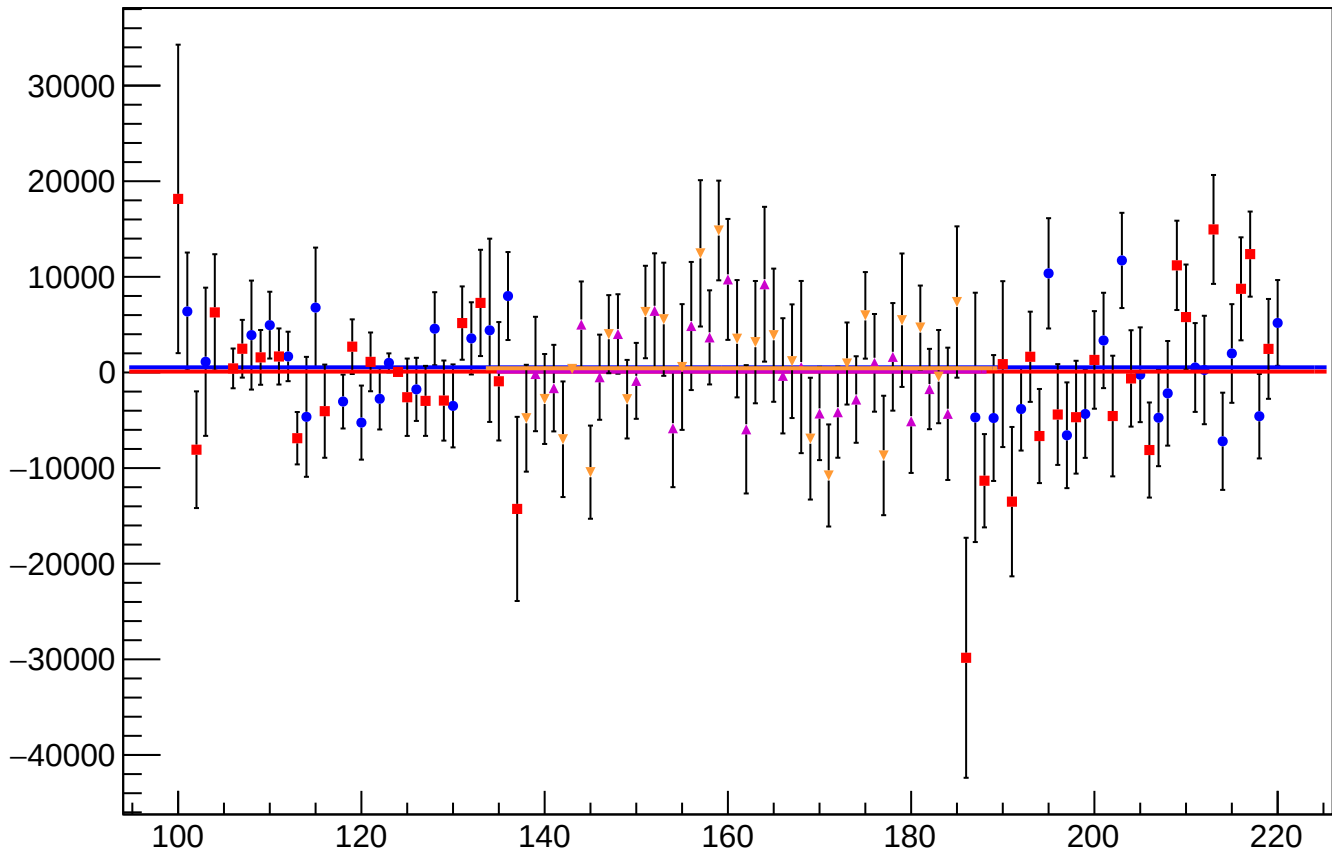
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1690.154 $\pm$ 0.197 χ^2 /NDF: 983951.0/58

All: 1693.035 $\pm$ 0.140 χ^2 /NDF: 1660246.1/11

- sign 1695.960 $\pm$ 0.199 χ^2 /NDF: 675864.8/59

asym_atl_dd_correction_mean vs Slug



Right In: 537.345 $\pm$ 615.221 χ^2 /NDF: 34.8/33

Left Out: 442.187 $\pm$ 440.335 χ^2 /NDF: 33.9/24

Right Out: 91.358 $\pm$ 344.285 χ^2 /NDF: 65.6/36

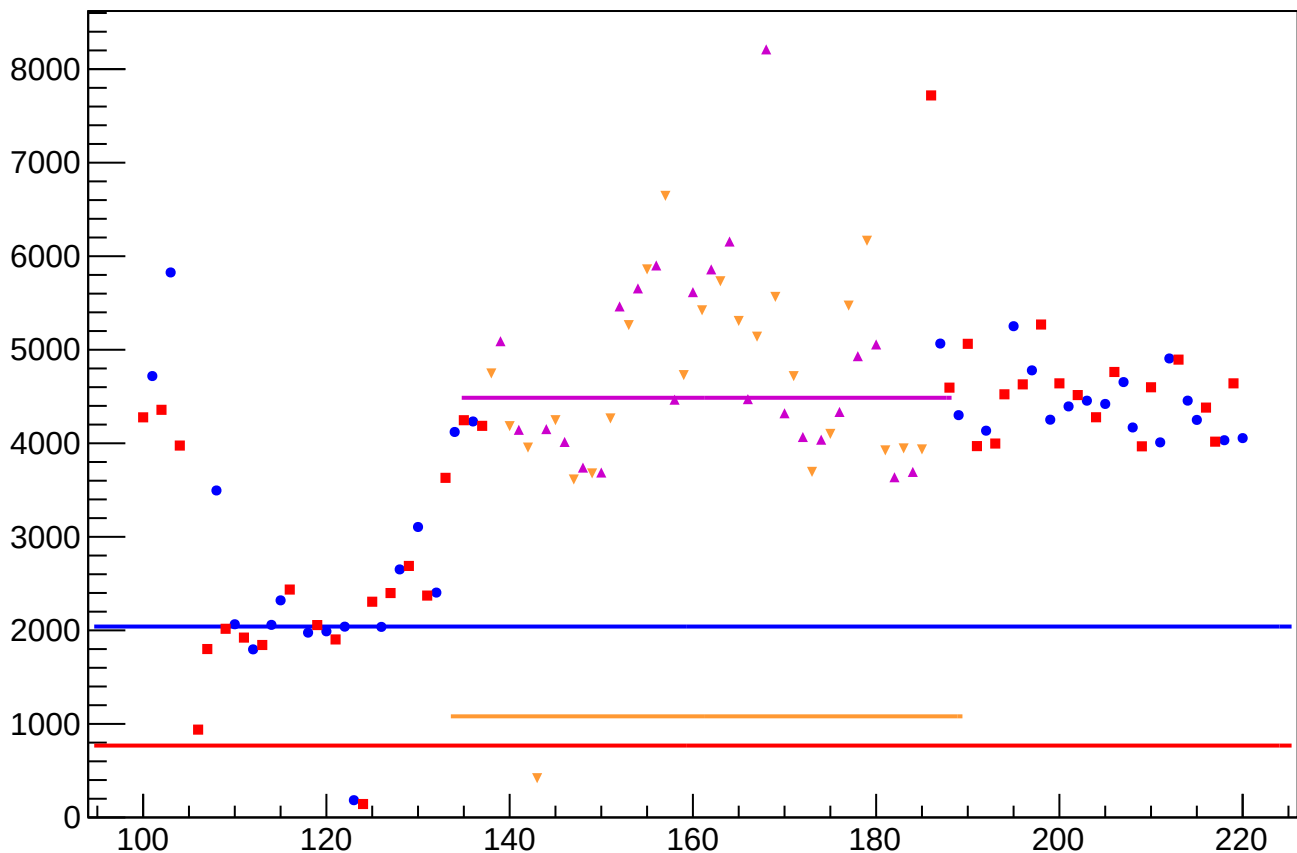
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 474.421 $\pm$ 358.070 χ^2 /NDF: 68.7/58

All: 266.242 $\pm$ 242.036 χ^2 /NDF: 148.4/118

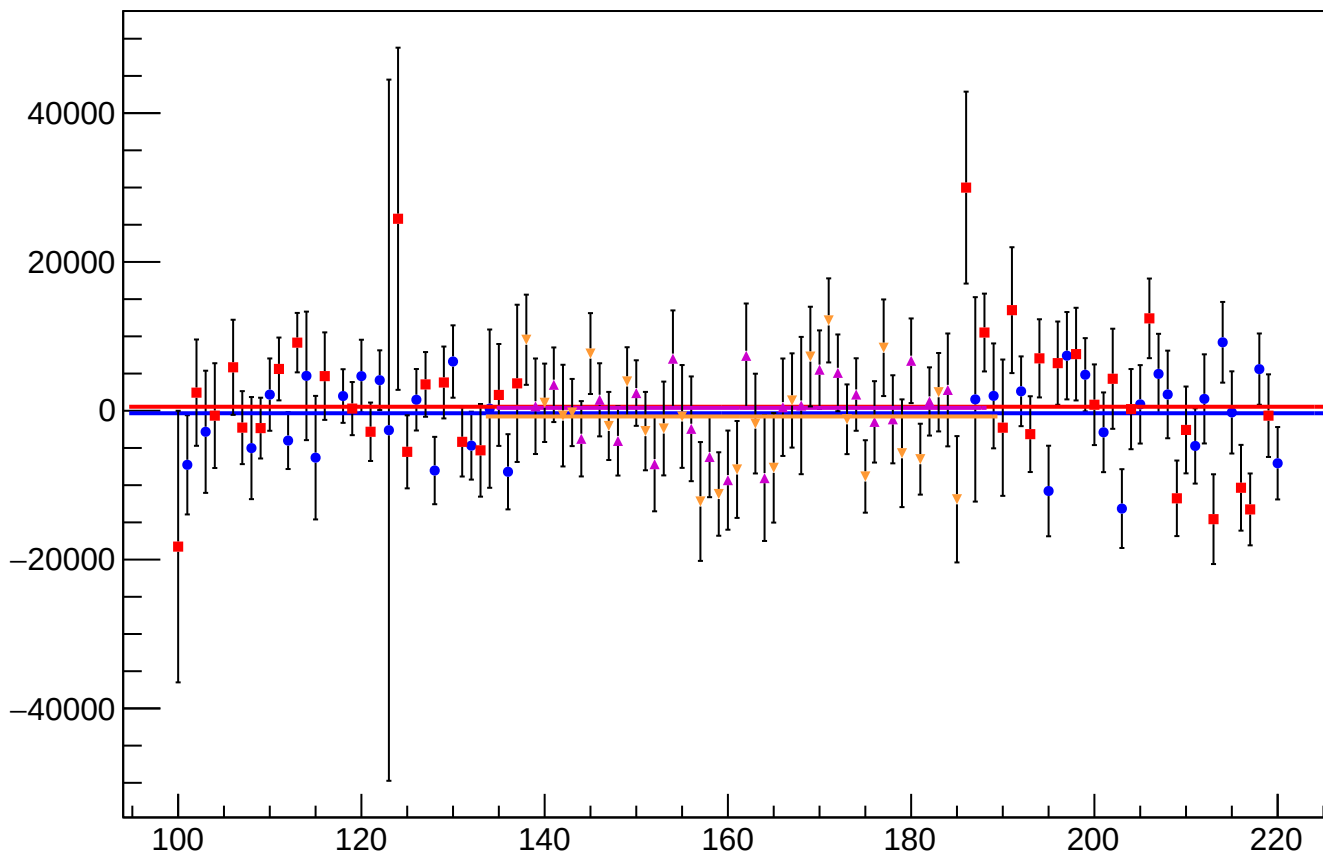
- sign 91.102 $\pm$ 328.429 χ^2 /NDF: 79.1/59

asym_atl_dd_correction_rms vs Slug



Right In: 2040.949+/-0.435	χ^2/NDF : 15829809.8/33	+ sign 1406.180+/-0.253	χ^2/NDF : 43505860.3/58
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1241.574+/-0.171	χ^2/NDF : 95023970.3/1
Right Out: 768.512+/-0.243	χ^2/NDF : 28568412.6/36	- sign 1103.092+/-0.232	χ^2/NDF : 50739878.0/59
Left In: 4486.570+/-0.774	χ^2/NDF : 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -333.069 ± 919.768 χ^2/NDF : 35.8/33

Left Out: -766.008 ± 1147.372 χ^2/NDF : 29.9/24

Right Out: 540.007 ± 902.088 χ^2/NDF : 60.9/36

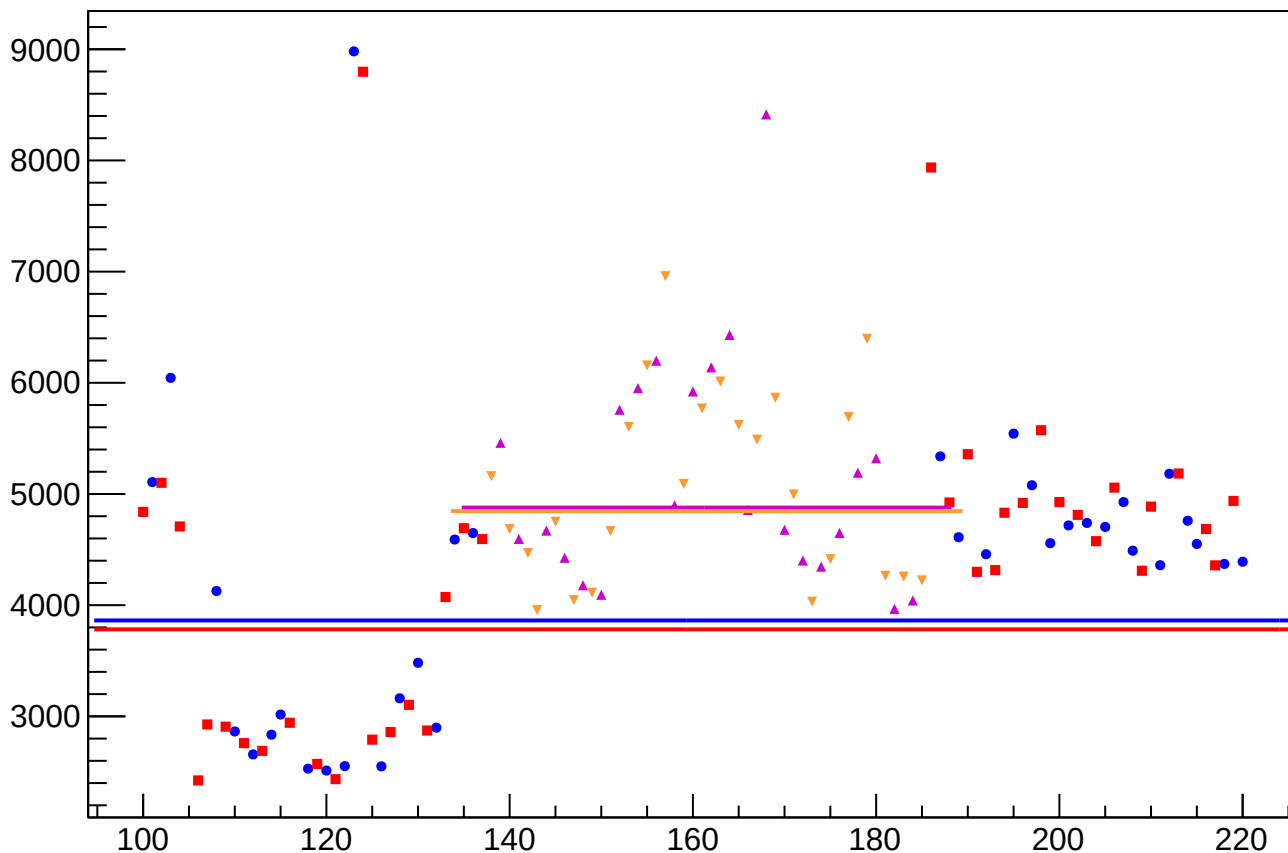
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -502.440 ± 717.647 χ^2/NDF : 65.8/58

All: -9.176 ± 507.600 χ^2/NDF : 141.9/118

- sign 484.660 ± 718.062 χ^2/NDF : 75.1/59

asym_atl_dd_rms vs Slug



Right In: 3862.606+/-0.650 χ^2/NDF : 2480249.8/33

Left Out: 4845.779+/-0.811 χ^2/NDF : 909173.9/24

Right Out: 3782.551+/-0.633 χ^2/NDF : 3004227.9/36

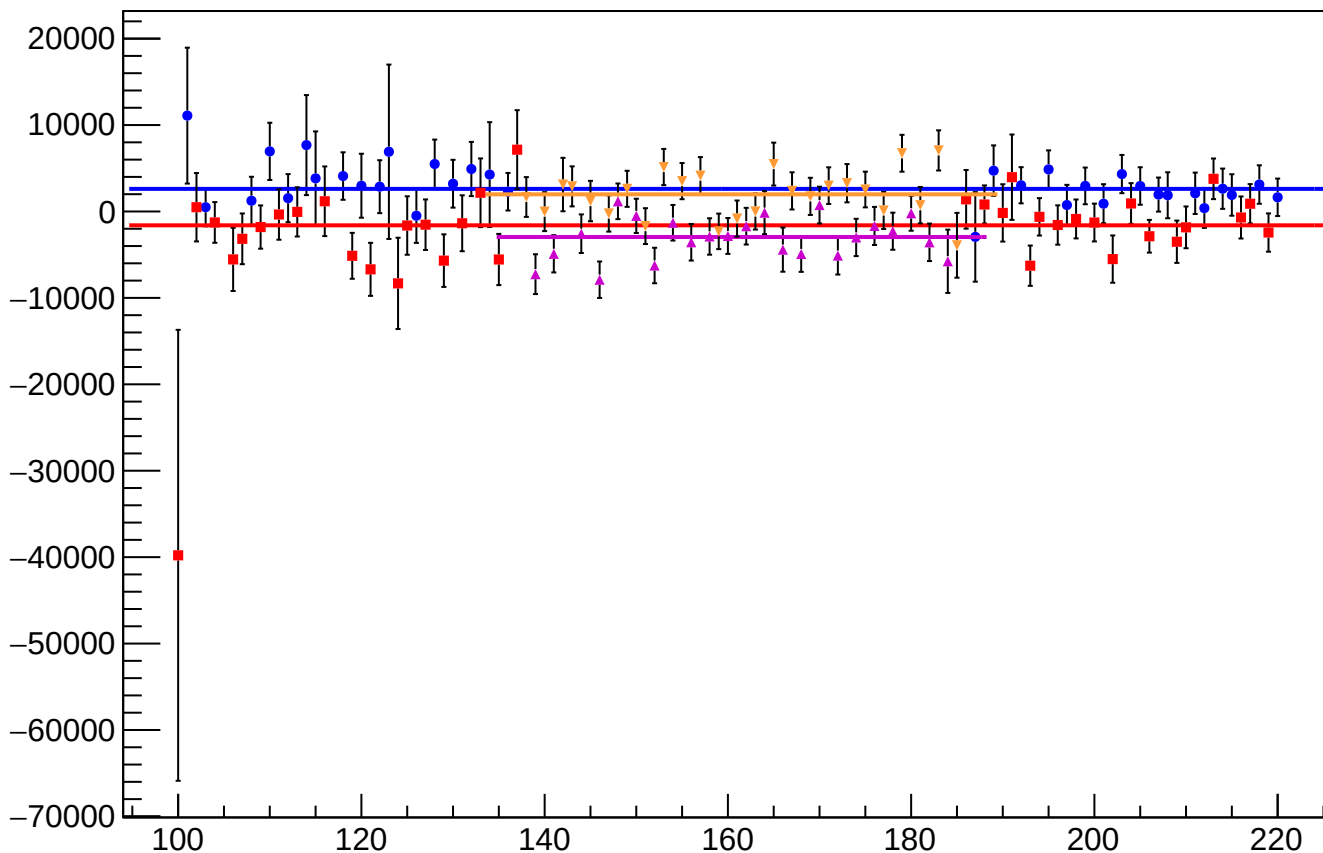
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4247.235+/-0.507 χ^2/NDF : 4283444.9/58

All: 4213.501+/-0.358 χ^2/NDF : 9340299.8/11

- sign 4180.038+/-0.505 χ^2/NDF : 5048052.2/59

reg_asym_atr_avg_mean vs Slug



Right In: 2615.200 ± 456.564 χ^2/NDF : 14.3/33

Left Out: 1985.469 ± 443.190 χ^2/NDF : 32.4/24

Right Out: -1601.393 ± 451.066 χ^2/NDF : 37.9/36

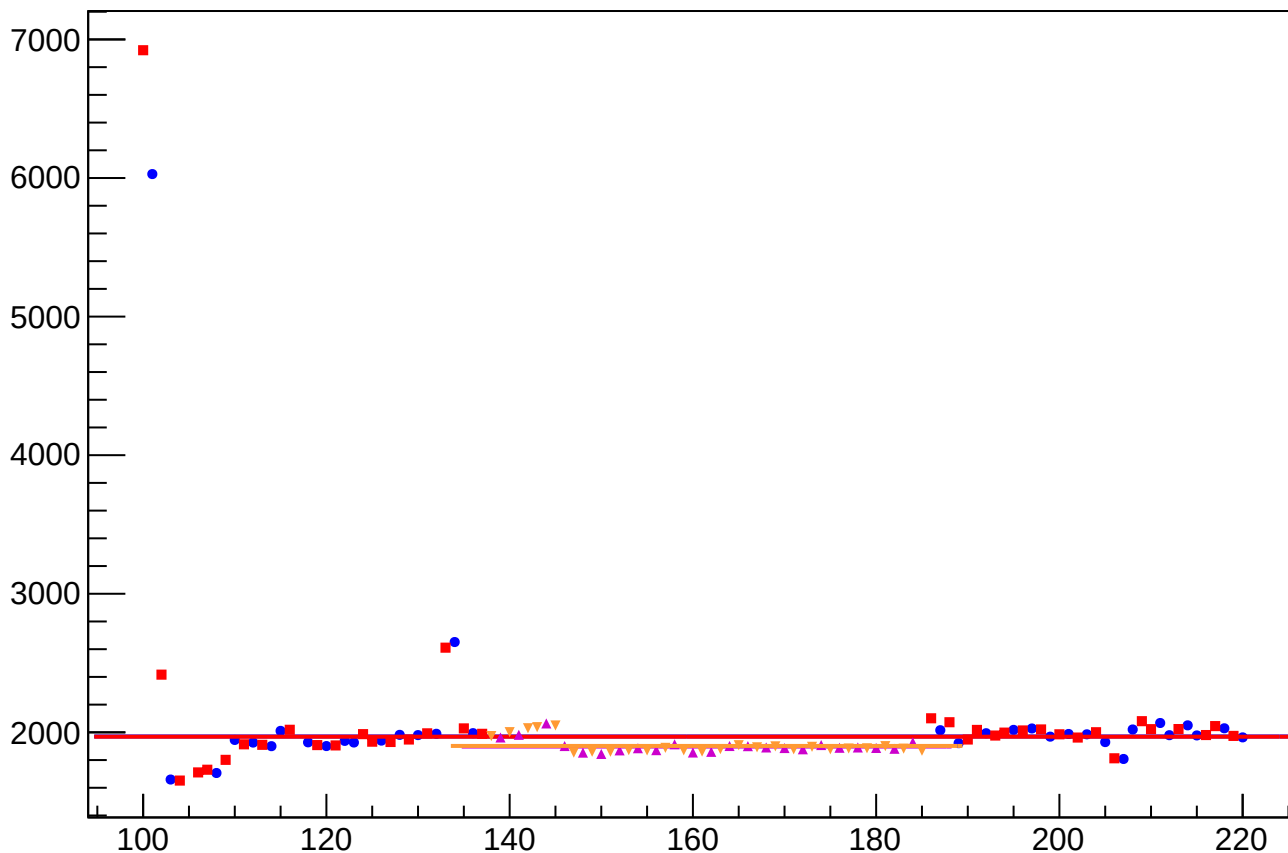
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2290.976 ± 318.005 χ^2/NDF : 47.8/58

All: 24.299 ± 225.628 χ^2/NDF : 220.9/118

- sign -2273.434 ± 320.177 χ^2/NDF : 70.8/59

reg_asym_atr_avg_rms vs Slug



Right In: 1970.280+/-0.323 χ^2/NDF : 643937.1/33

Left Out: 1901.884+/-0.313 χ^2/NDF : 30446.9/24

Right Out: 1968.536+/-0.319 χ^2/NDF : 257500.3/36

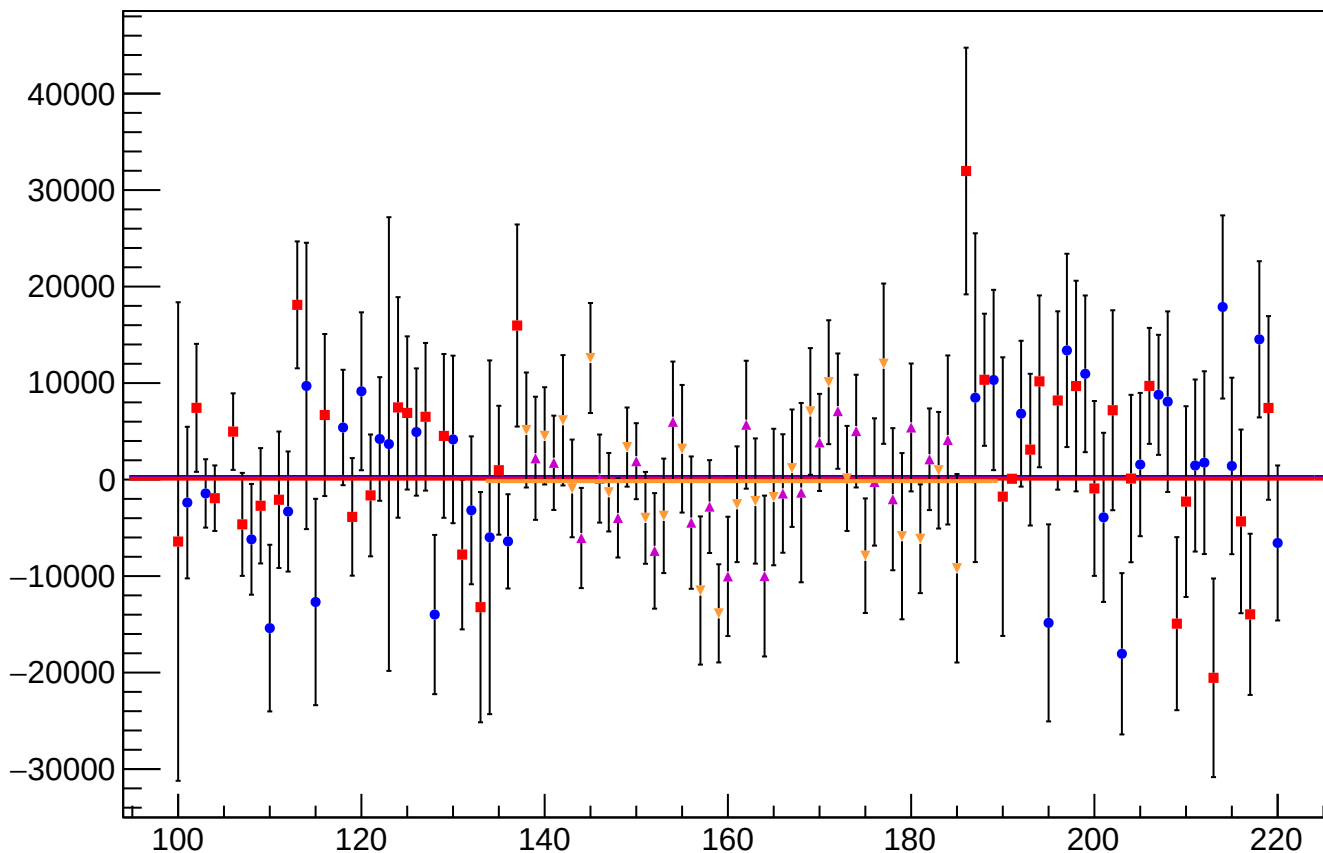
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1935.065+/-0.225 χ^2/NDF : 697492.6/58

All: 1934.188+/-0.160 χ^2/NDF : 1000866.1/11

- sign 1933.300+/-0.226 χ^2/NDF : 303342.9/59

asym_atr_avg_correction_mean vs Slug



Right In: 264.513 ± 1303.921 $\chi^2/\text{NDF}: 38.0/33$

Left Out: -157.539 ± 1165.844 $\chi^2/\text{NDF}: 29.5/24$

Right Out: 99.164 ± 109.506 $\chi^2/\text{NDF}: 44.6/36$

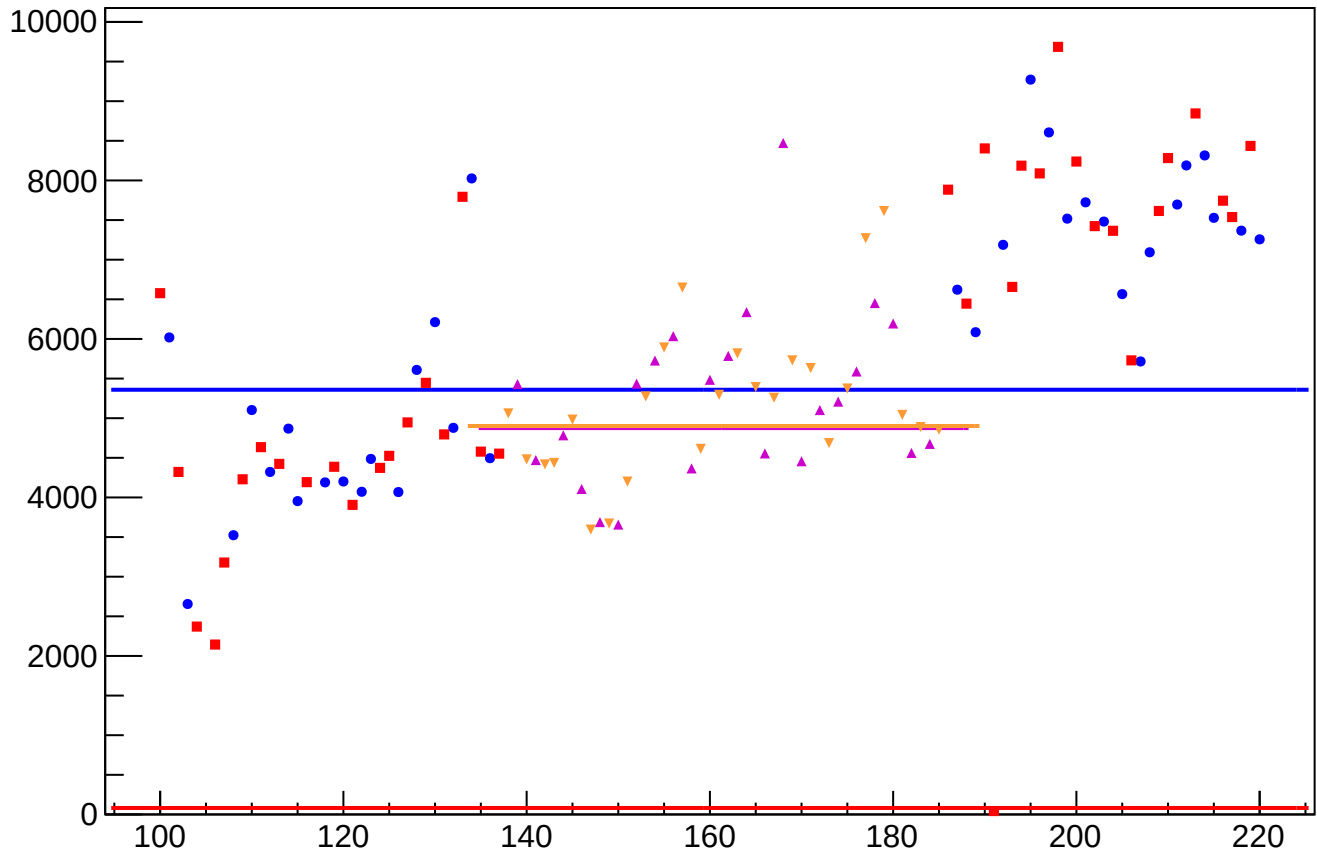
Left In: -139.000 ± 1190.889 $\chi^2/\text{NDF}: 14.7/22$

+ sign 29.965 ± 869.108 $\chi^2/\text{NDF}: 67.6/58$

All: 96.125 ± 108.198 $\chi^2/\text{NDF}: 127.0/118$

- sign 97.167 ± 109.046 $\chi^2/\text{NDF}: 59.4/59$

asym_atr_avg_correction_rms vs Slug



Right In: 5358.981+/-0.922 χ^2/NDF : 3933644.7/33

Left Out: 4901.357+/-0.824 χ^2/NDF : 1136916.0/24

Right Out: 81.904+/-0.077 χ^2/NDF : 37282169.6/36

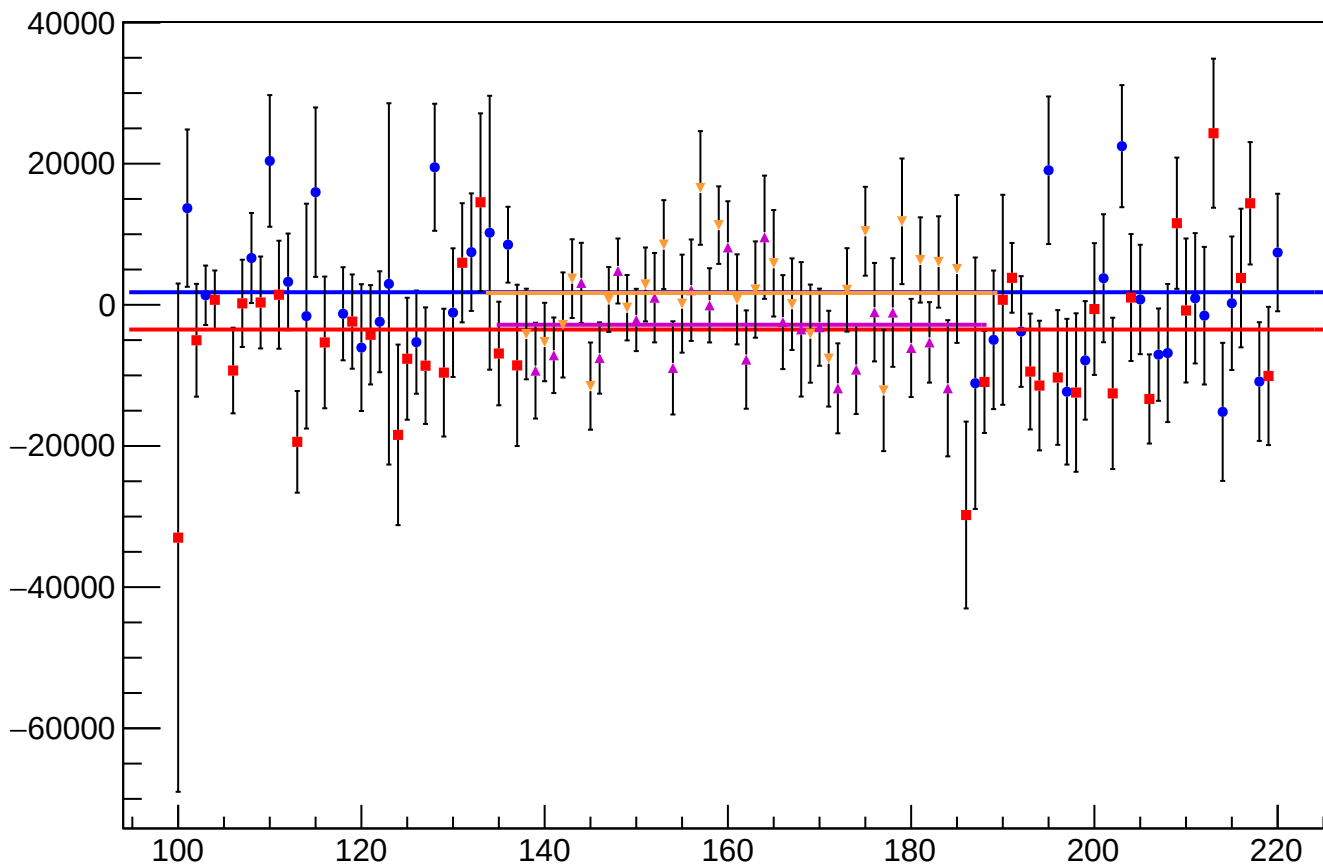
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 5104.664+/-0.615 χ^2/NDF : 5207463.4/58

All: 199.315+/-0.077 χ^2/NDF : 140562009.9/1

- sign 122.092+/-0.077 χ^2/NDF : 70639323.9/59

asym_atr_avg_mean vs Slug



Right In: 1783.329+/-1421.274 χ^2/NDF : 37.3/33

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -3501.460+/-1321.511 χ^2/NDF : 43.0/36

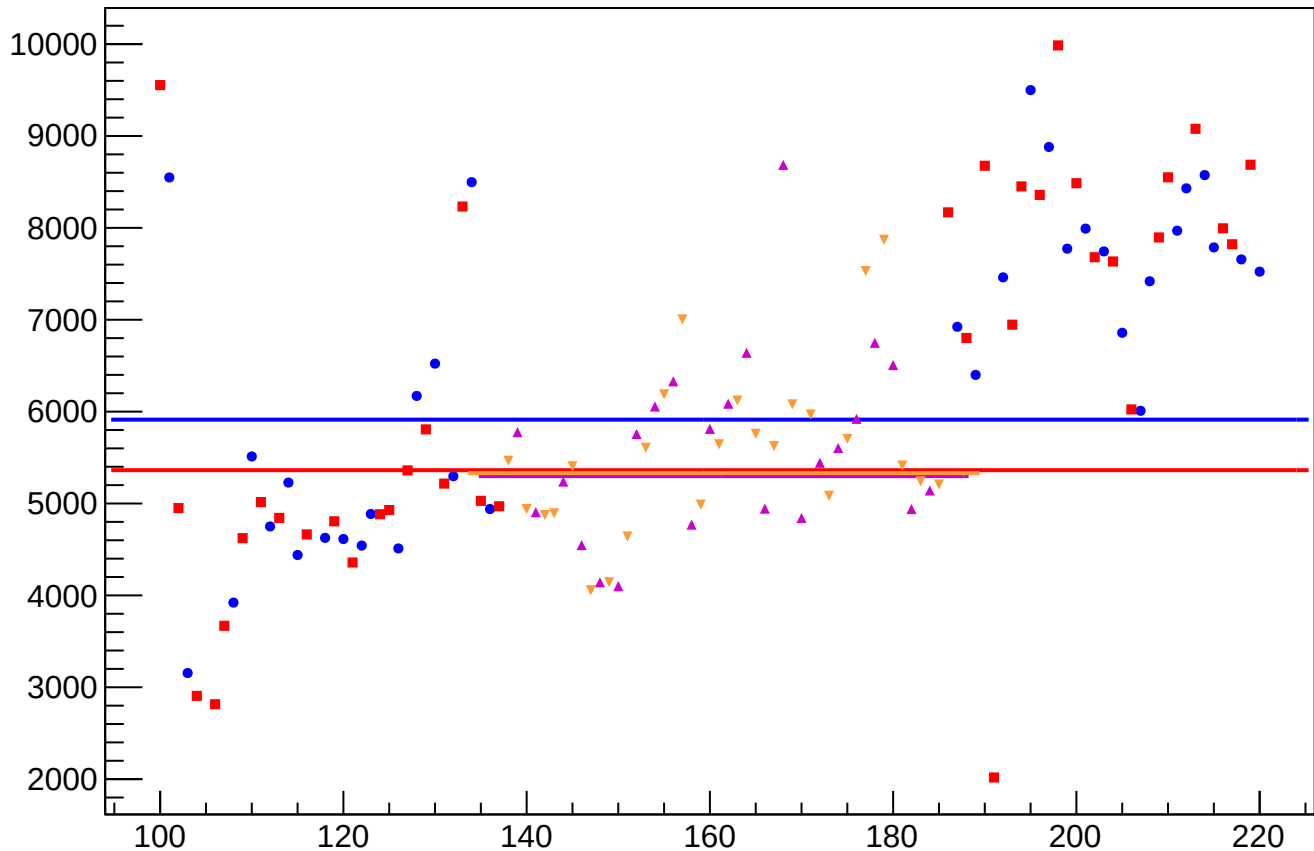
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 1729.191+/-943.531 χ^2/NDF : 62.7/58

All: -767.458+/-659.625 χ^2/NDF : 137.5/118

- sign -3154.181+/-922.526 χ^2/NDF : 61.1/59

asym_atr_avg_rms vs Slug



Right In: 5912.957 $\pm$ 1.005 χ^2 /NDF: 3132474.1/33

Left Out: 5330.725 $\pm$ 0.892 χ^2 /NDF: 868061.7/24

Right Out: 5362.788 $\pm$ 0.931 χ^2 /NDF: 5131025.6/36

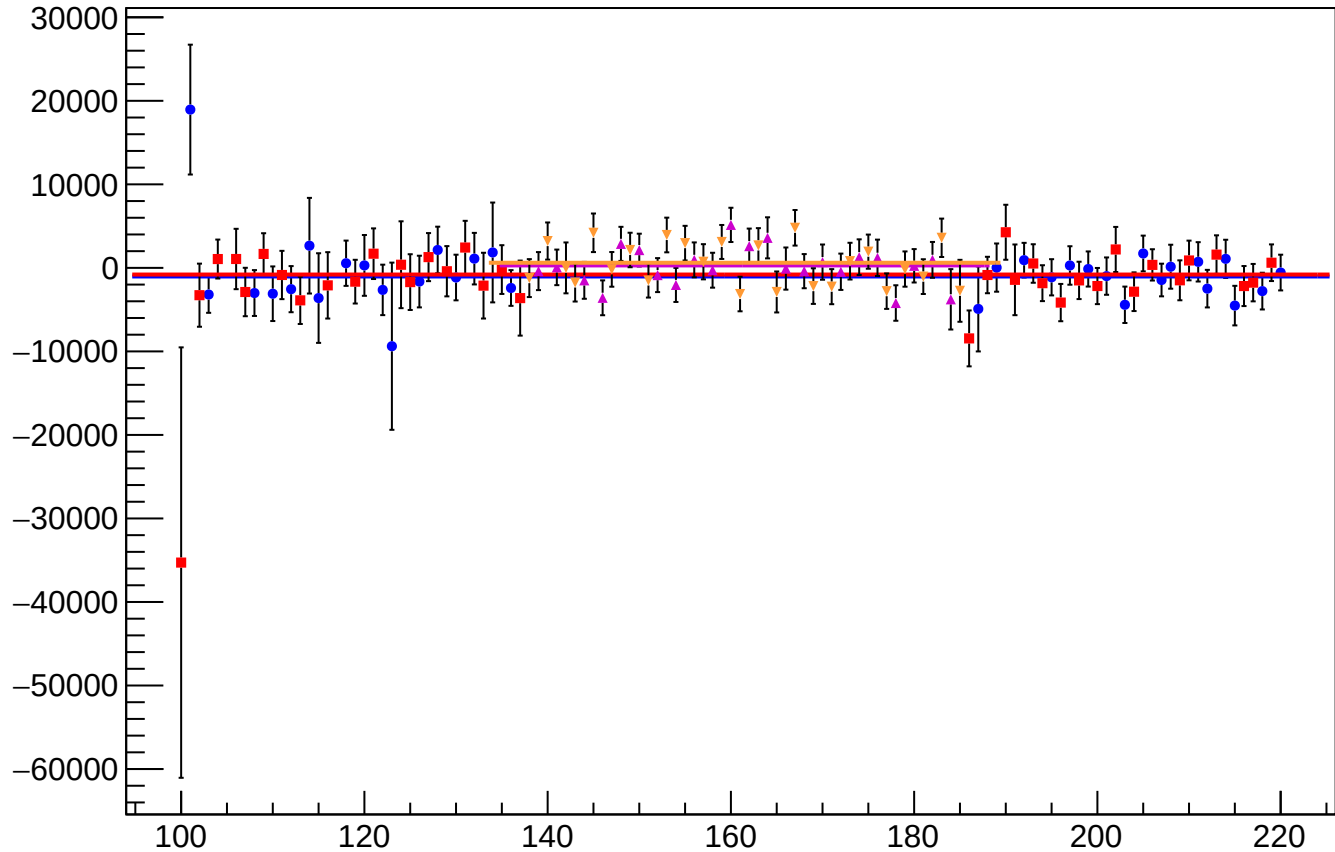
Left In: 5298.329 $\pm$ 0.911 χ^2 /NDF: 956021.6/22

+ sign 5587.322 $\pm$ 0.667 χ^2 /NDF: 4188251.2/58

All: 5455.475 $\pm$ 0.466 χ^2 /NDF: 10354010.1/103

- sign 5329.851 $\pm$ 0.651 χ^2 /NDF: 6089495.2/59

reg_asym_atr_dd_mean vs Slug



Right In: -1029.987 ± 450.606 χ^2/NDF : 24.5/33

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -798.149 ± 444.568 χ^2/NDF : 24.9/36

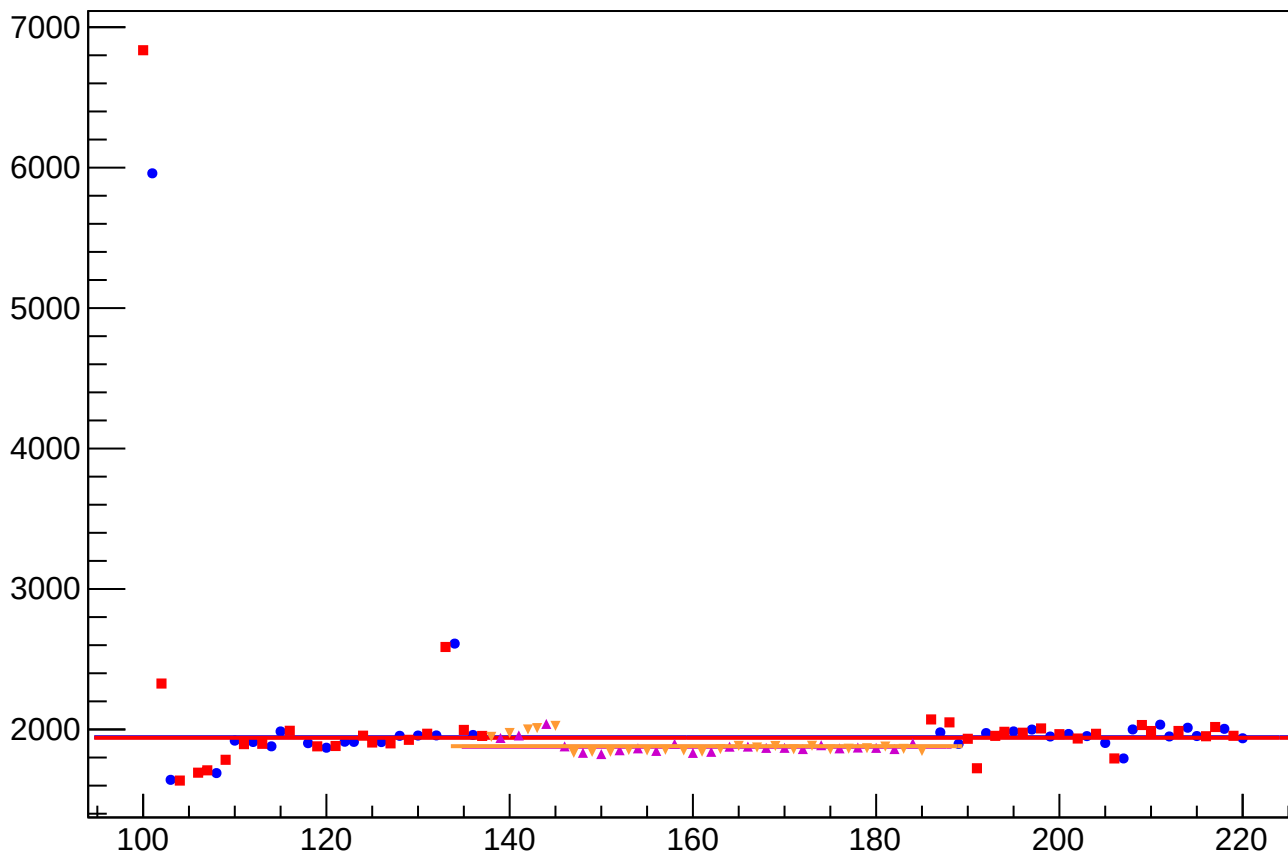
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign -186.036 ± 314.172 χ^2/NDF : 64.0/58

All: -222.135 ± 222.836 χ^2/NDF : 115.5/118

- sign -258.681 ± 316.112 χ^2/NDF : 51.5/59

reg_asym_atr_dd_rms vs Slug



Right In: 1944.732 $\pm$ 0.319 χ^2 /NDF: 639868.0/33

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1940.678 $\pm$ 0.314 χ^2 /NDF: 253629.5/36

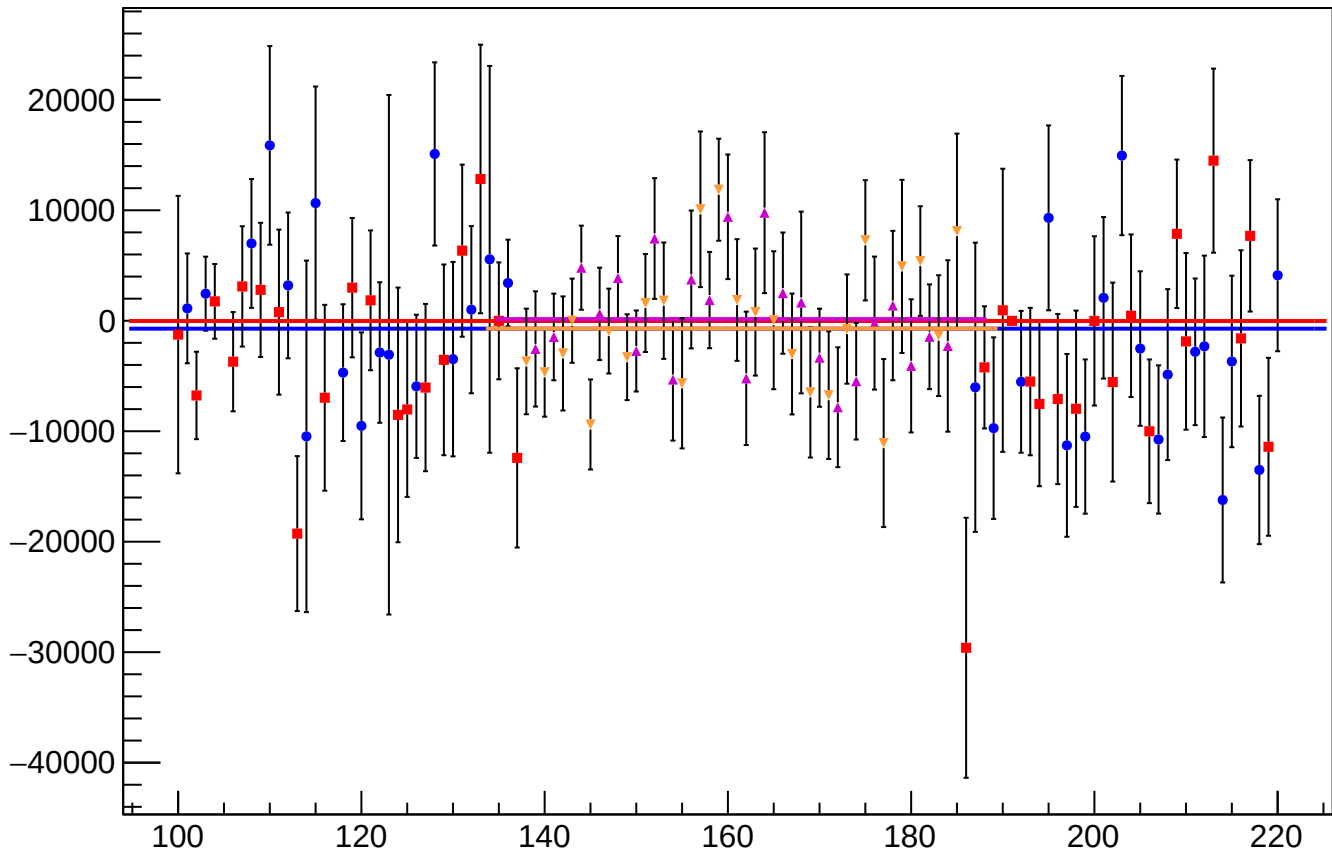
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1911.883 $\pm$ 0.222 χ^2 /NDF: 689207.1/58

All: 1910.483 $\pm$ 0.158 χ^2 /NDF: 983921.3/118

- sign 1909.067 $\pm$ 0.223 χ^2 /NDF: 294634.4/59

asym_atr_dd_correction_mean vs Slug



Right In: -715.621+/-1180.188 χ^2/NDF : 38.5/33

Left Out: -707.785+/-1017.719 χ^2/NDF : 27.1/24

Right Out: -22.226+/-85.763 χ^2/NDF : 40.2/36

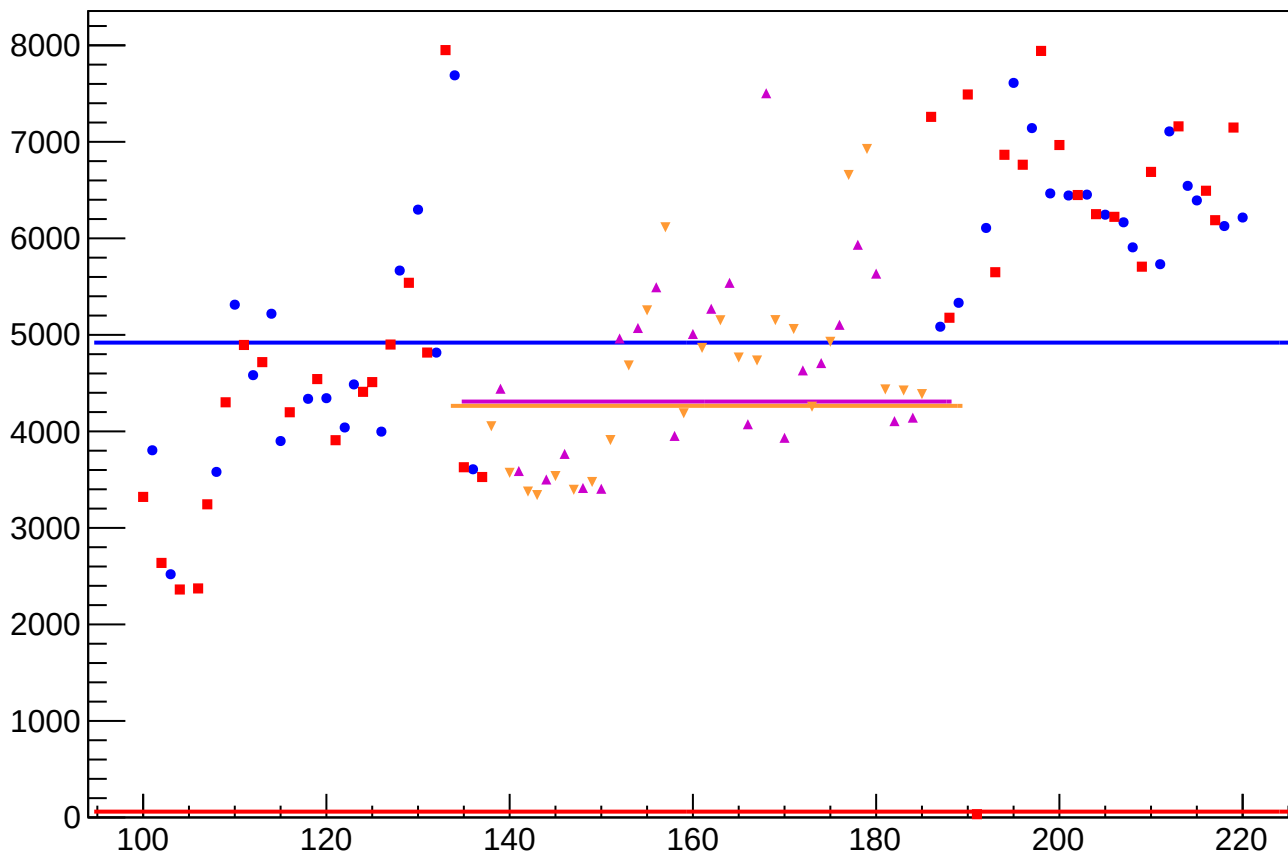
Left In: 150.495+/-1053.655 χ^2/NDF : 16.9/22

+ sign -711.127+/-770.728 χ^2/NDF : 65.6/58

All: -29.474+/-84.960 χ^2/NDF : 123.5/118

- sign -21.089+/-85.481 χ^2/NDF : 57.1/59

asym_atr_dd_correction_rms vs Slug



Right In: 4919.769+/-0.835 χ^2/NDF : 3055568.8/33

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 60.351+/-0.061 χ^2/NDF : 37471355.1/36

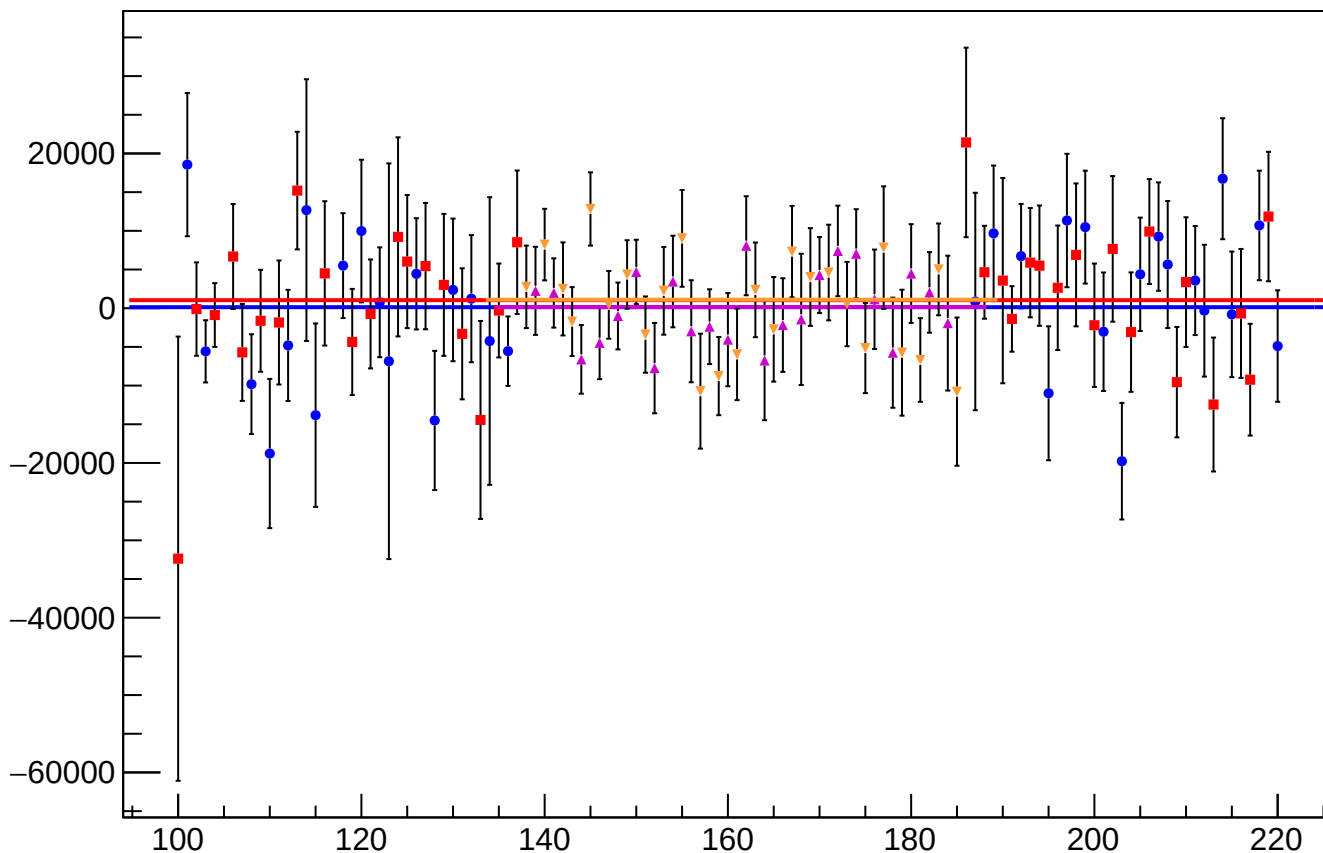
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4543.922+/-0.545 χ^2/NDF : 4764143.2/58

All: 142.456+/-0.060 χ^2/NDF : 141874441.4/1

- sign 88.314+/-0.060 χ^2/NDF : 71081792.1/59

asym_atr_dd_mean vs Slug



Right In: 132.680 $\pm$ 1309.795 χ^2 /NDF: 45.8/33

Left Out: 1102.204 $\pm$ 1126.663 χ^2 /NDF: 28.6/24

Right Out: 1039.648 $\pm$ 1222.485 χ^2 /NDF: 27.4/36

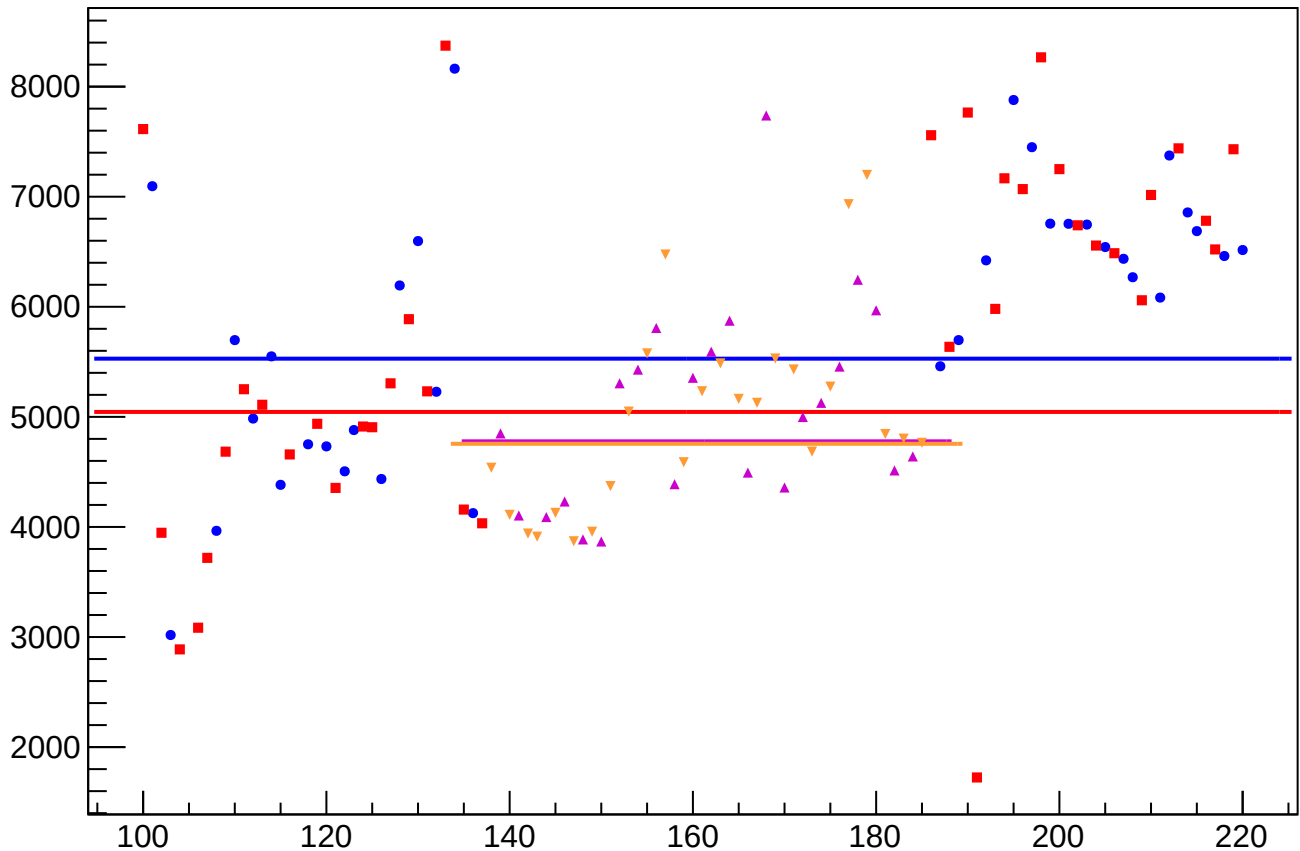
Left In: 158.683 $\pm$ 1161.507 χ^2 /NDF: 15.5/22

+ sign 689.905 $\pm$ 854.142 χ^2 /NDF: 74.7/58

All: 632.468 $\pm$ 599.646 χ^2 /NDF: 117.9/118

- sign 576.647 $\pm$ 842.042 χ^2 /NDF: 43.2/59

asym_atr_dd_rms vs Slug



Right In: 5528.780 ± 0.926 $\chi^2/\text{NDF}: 2199670.1/33$

Left Out: 4755.383 ± 0.797 $\chi^2/\text{NDF}: 953328.0/24$

+ sign 5084.277 ± 0.604 $\chi^2/\text{NDF}: 3553772.5/58$

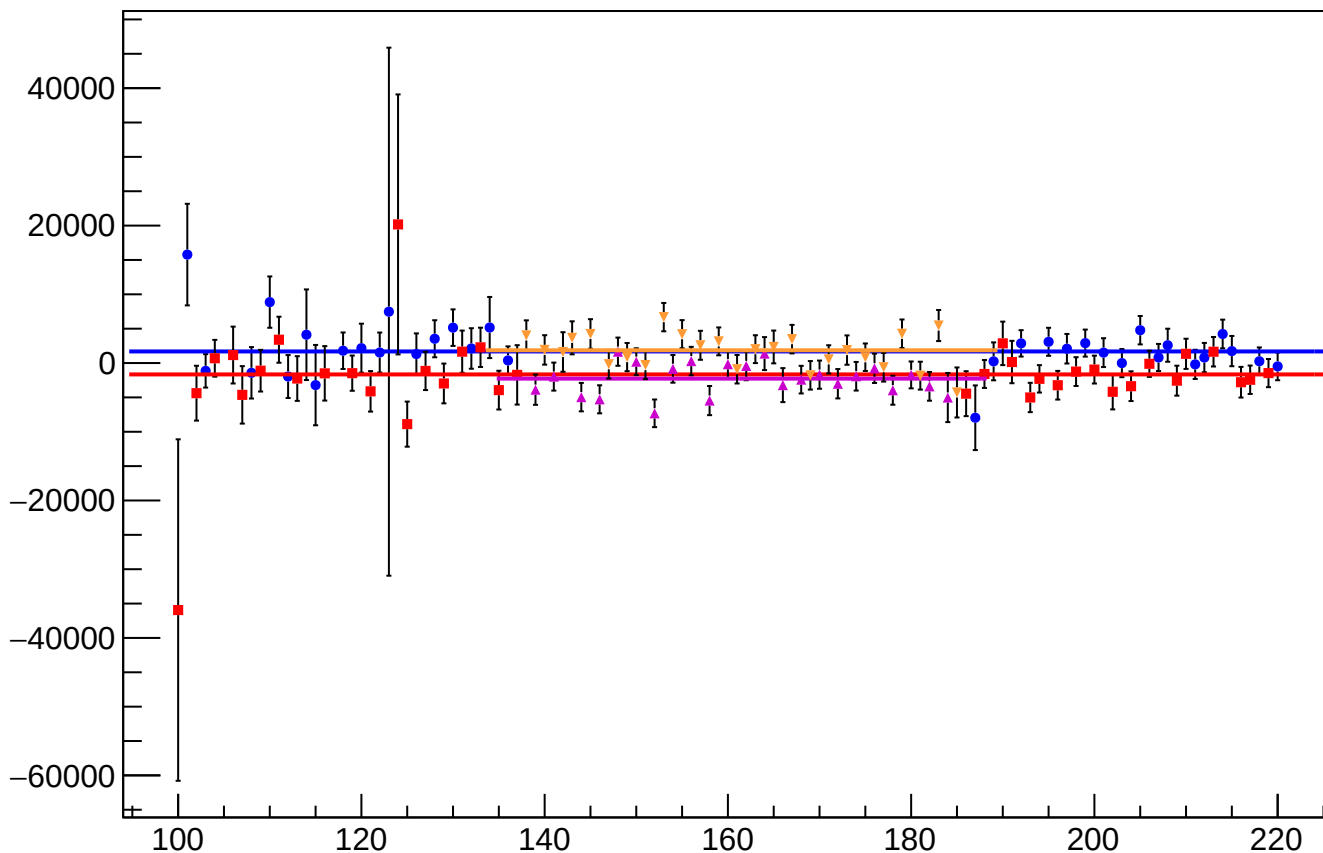
Right Out: 5044.843 ± 0.862 $\chi^2/\text{NDF}: 4164296.0/36$

All: 4993.185 ± 0.424 $\chi^2/\text{NDF}: 8763452.3/11$

- sign 4904.900 ± 0.595 $\chi^2/\text{NDF}: 5164886.0/59$

Left In: 4777.831 ± 0.821 $\chi^2/\text{NDF}: 950291.2/22$

reg_asym_at1_avg_mean vs Slug



Right In: 1687.627+/-435.126 χ^2/NDF : 28.0/33

Left Out: 1856.570+/-430.977 χ^2/NDF : 30.0/24

Right Out: -1655.410+/-432.024 χ^2/NDF : 30.8/36

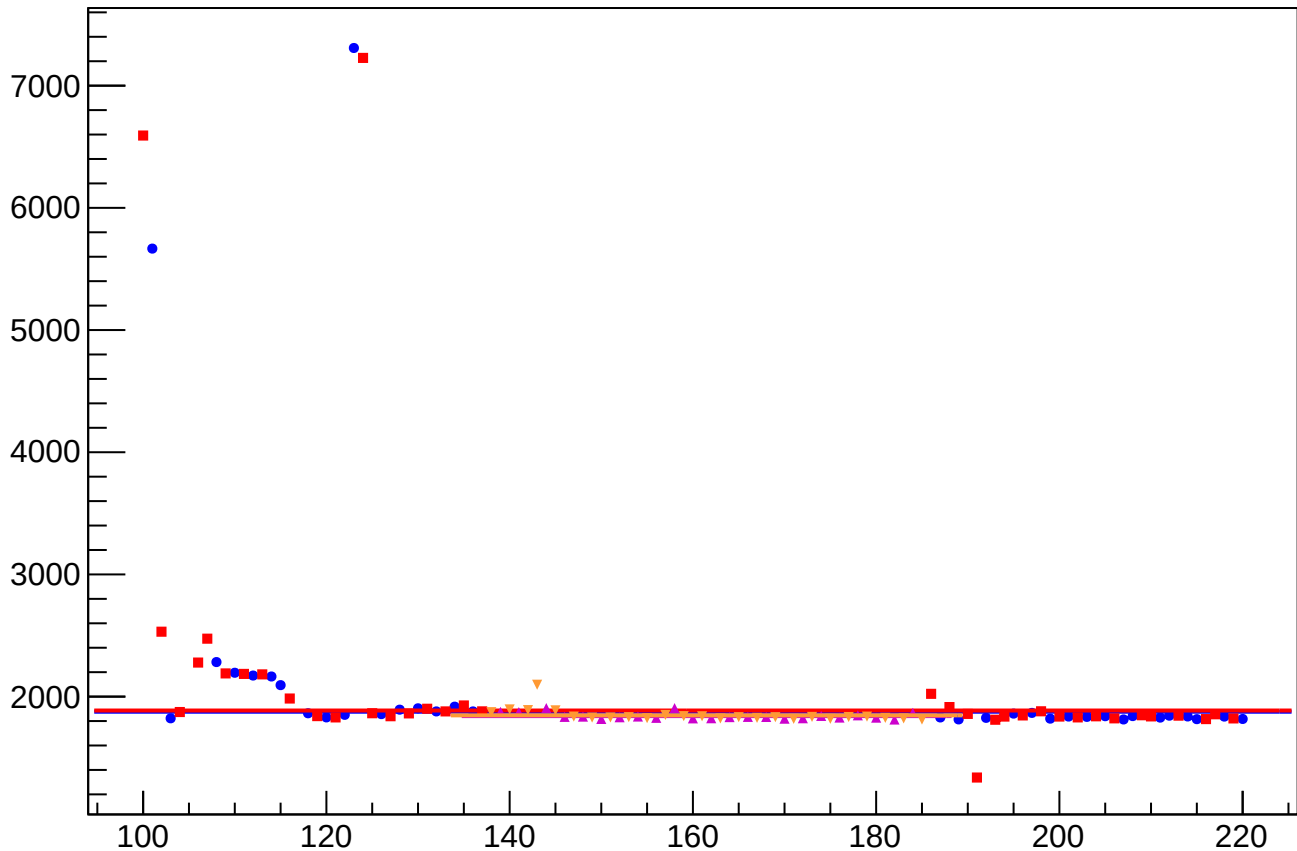
Left In: -2268.464+/-441.710 χ^2/NDF : 26.9/22

+ sign 1772.908+/-306.203 χ^2/NDF : 58.0/58

All: -75.042+/-217.450 χ^2/NDF : 190.2/118

- sign -1955.142+/-308.855 χ^2/NDF : 58.6/59

reg_asym_at1_avg_rms vs Slug



Right In: 1876.320+/-0.308 χ^2/NDF : 645937.7/33

Left Out: 1846.602+/-0.305 χ^2/NDF : 27302.8/24

Right Out: 1886.245+/-0.305 χ^2/NDF : 481528.0/36

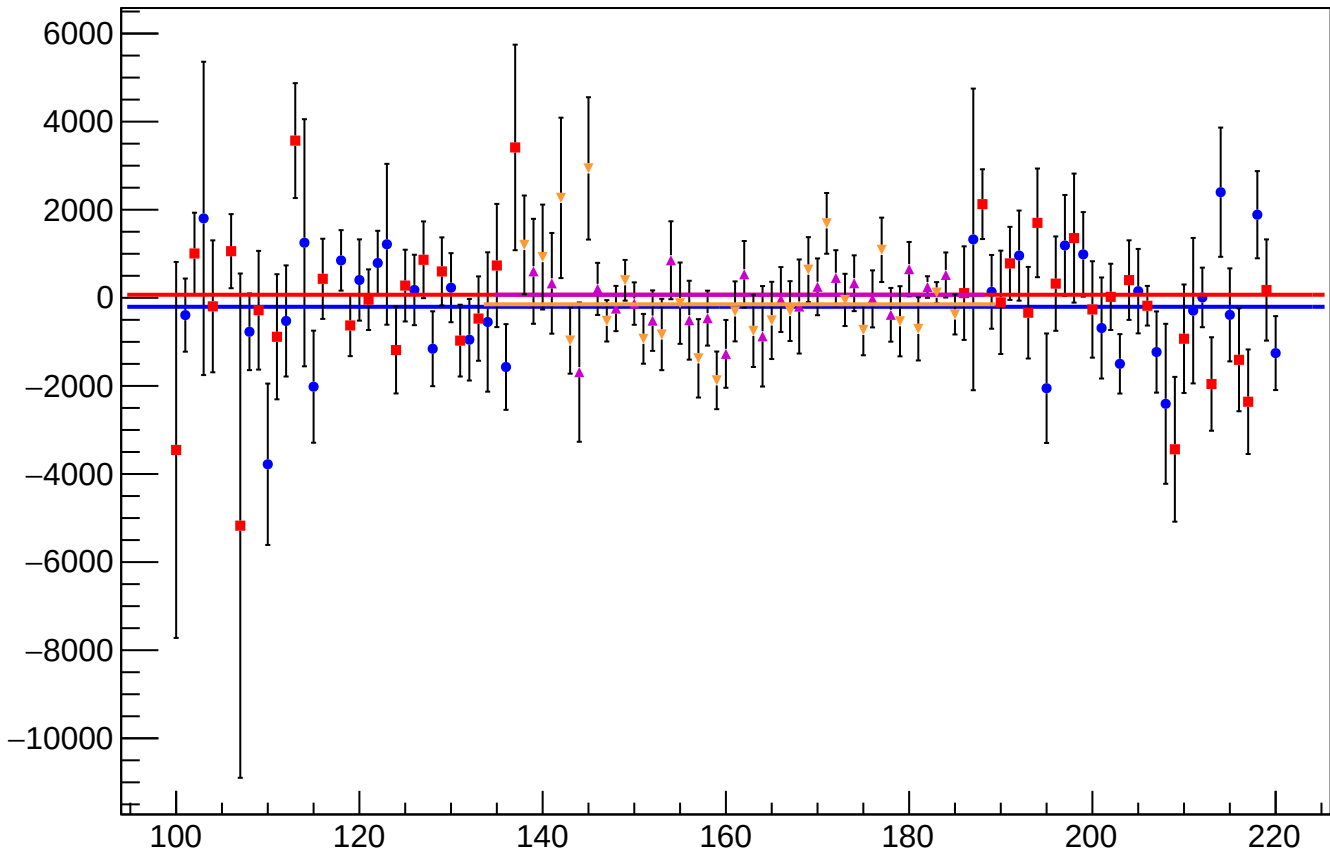
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1861.319+/-0.217 χ^2/NDF : 677949.9/58

All: 1862.598+/-0.154 χ^2/NDF : 1177232.0/117

- sign 1863.900+/-0.218 χ^2/NDF : 499211.6/59

asym_at1_avg_correction_mean vs Slug



Right In: -203.593 $\pm$ 171.425 χ^2 /NDF: 39.6/33

Left Out: -146.999 $\pm$ 121.984 χ^2 /NDF: 37.7/24

Right Out: 69.816 $\pm$ 159.302 χ^2 /NDF: 45.5/36

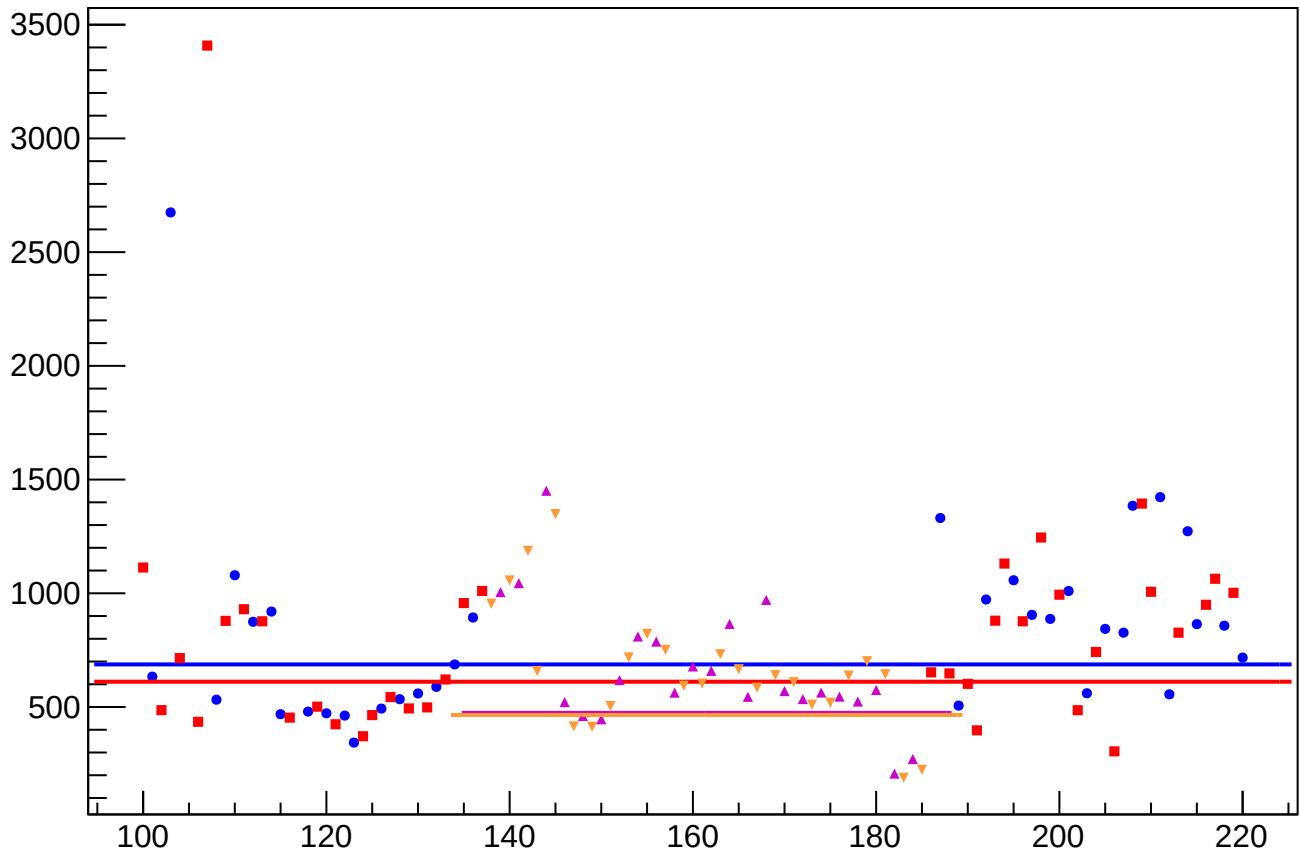
Left In: 70.340 $\pm$ 126.373 χ^2 /NDF: 12.3/22

+ sign -166.023 $\pm$ 99.389 χ^2 /NDF: 77.3/58

All: -47.484 $\pm$ 70.142 χ^2 /NDF: 137.9/118

- sign 70.138 $\pm$ 99.004 χ^2 /NDF: 57.8/59

asym_at1_avg_correction_rms vs Slug



Right In: 687.272 $\pm$ 0.121 χ^2 /NDF: 3993256.2/33

Left Out: 465.080 $\pm$ 0.086 χ^2 /NDF: 7086137.6/24

Right Out: 611.229 $\pm$ 0.113 χ^2 /NDF: 5445895.7/36

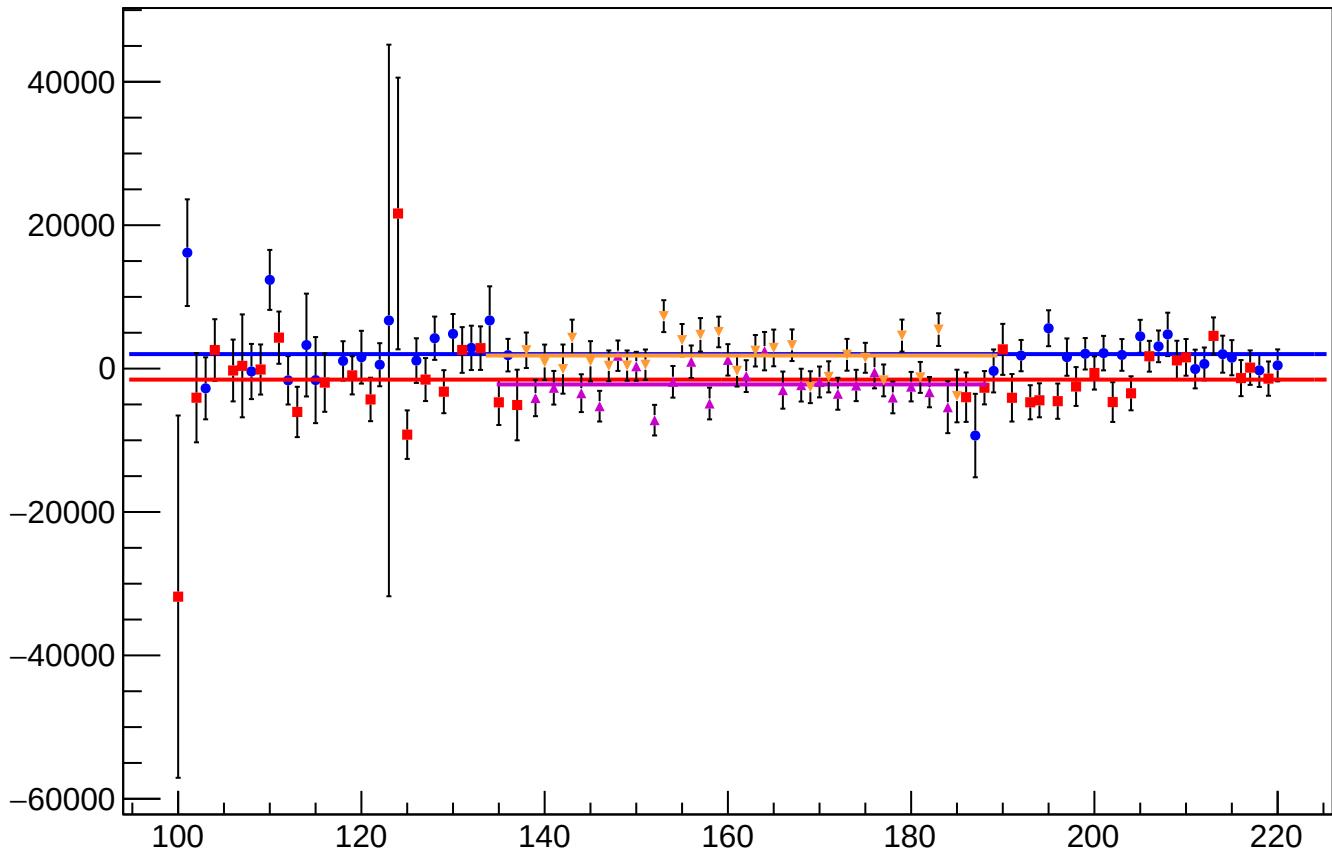
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

+ sign 539.769 $\pm$ 0.070 χ^2 /NDF: 13309920.6/58

All: 533.443 $\pm$ 0.050 χ^2 /NDF: 25852479.6/1

- sign 527.165 $\pm$ 0.070 χ^2 /NDF: 12526413.5/59

asym_at1_avg_mean vs Slug



Right In: 2021.411 $\pm$ 493.093 χ^2 /NDF: 27.2/33

Left Out: 1824.066 $\pm$ 462.694 χ^2 /NDF:32.1/24

Right Out: -1534.795 $\pm$ 493.020 χ^2 /NDF: 40.7/36

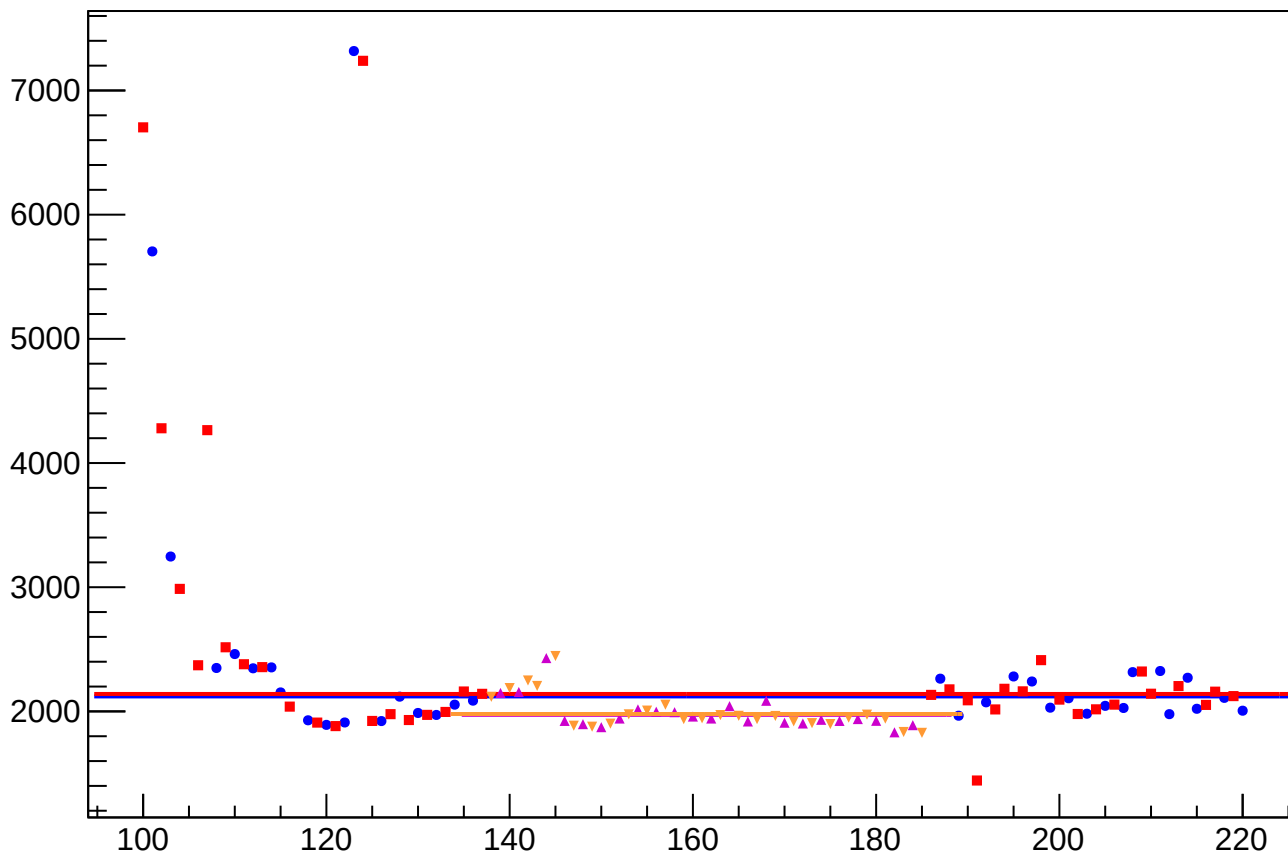
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 1916.468 $\pm$ 337.409 χ^2 /NDF: 59.4/58

All: 39.998 $\pm$ 240.092 χ^2 /NDF: 189.1/118

- sign -1884.657 $\pm$ 341.714 χ^2 /NDF: 67.0/59

asym_at1_avg_rms vs Slug



Right In: 2120.574 $\pm$ 0.349 χ^2 /NDF: 793416.9/33

Left Out: 1978.997 $\pm$ 0.327 χ^2 /NDF:139299.8/24

Right Out: 2140.367 $\pm$ 0.349 χ^2 /NDF: 954399.6/36

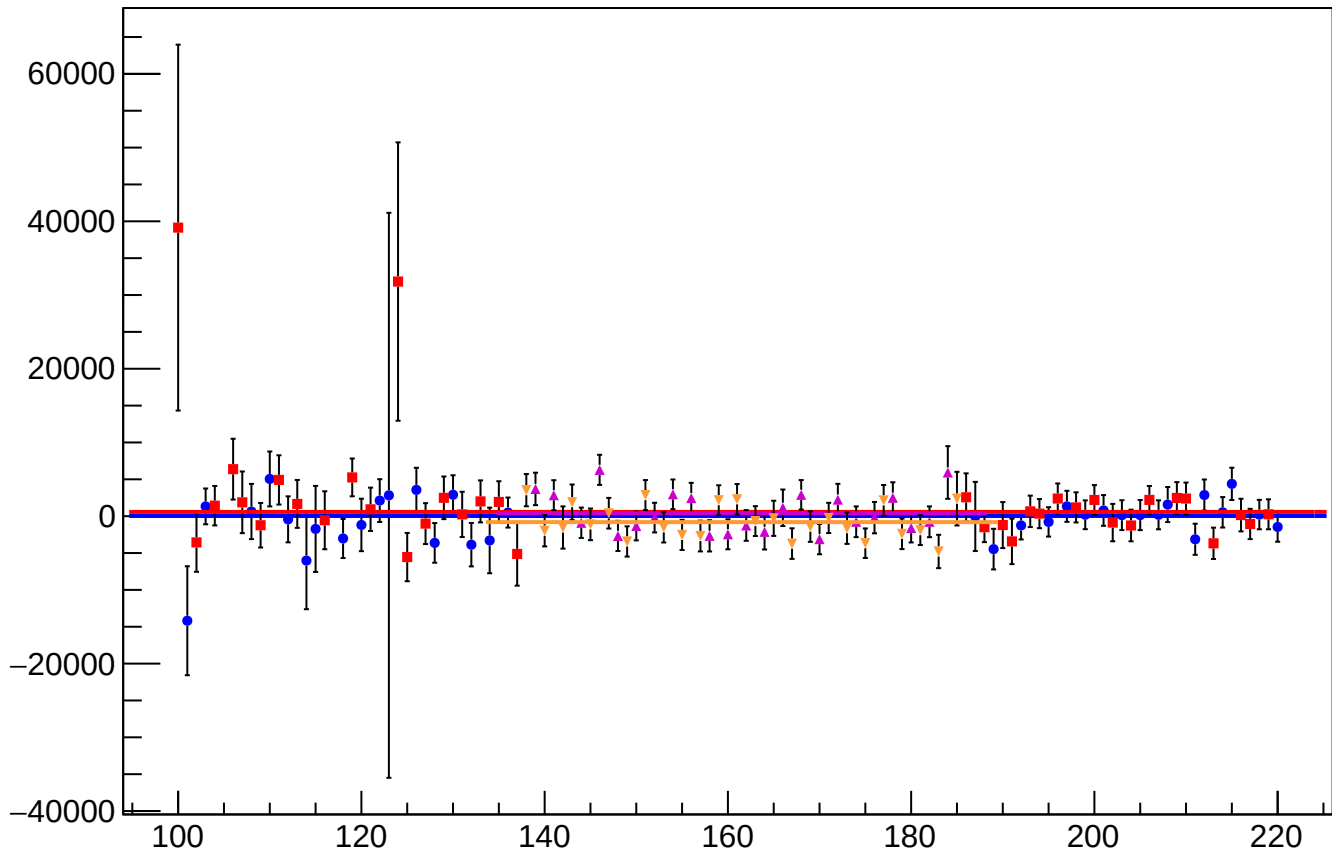
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF:116452.5/22

+ sign 2045.287 $\pm$ 0.239 χ^2 /NDF: 1020392.6/58

All: 2049.079 $\pm$ 0.170 χ^2 /NDF: 2212714.7/11

- sign 2052.969 $\pm$ 0.242 χ^2 /NDF: 1191810.3/59

reg_asym_at1_dd_mean vs Slug



Right In: 28.088+/-432.149 χ^2/NDF : 28.4/33

Left Out: -808.436+/-430.304 χ^2/NDF : 27.9/24

Right Out: 578.239+/-428.760 χ^2/NDF : 33.5/36

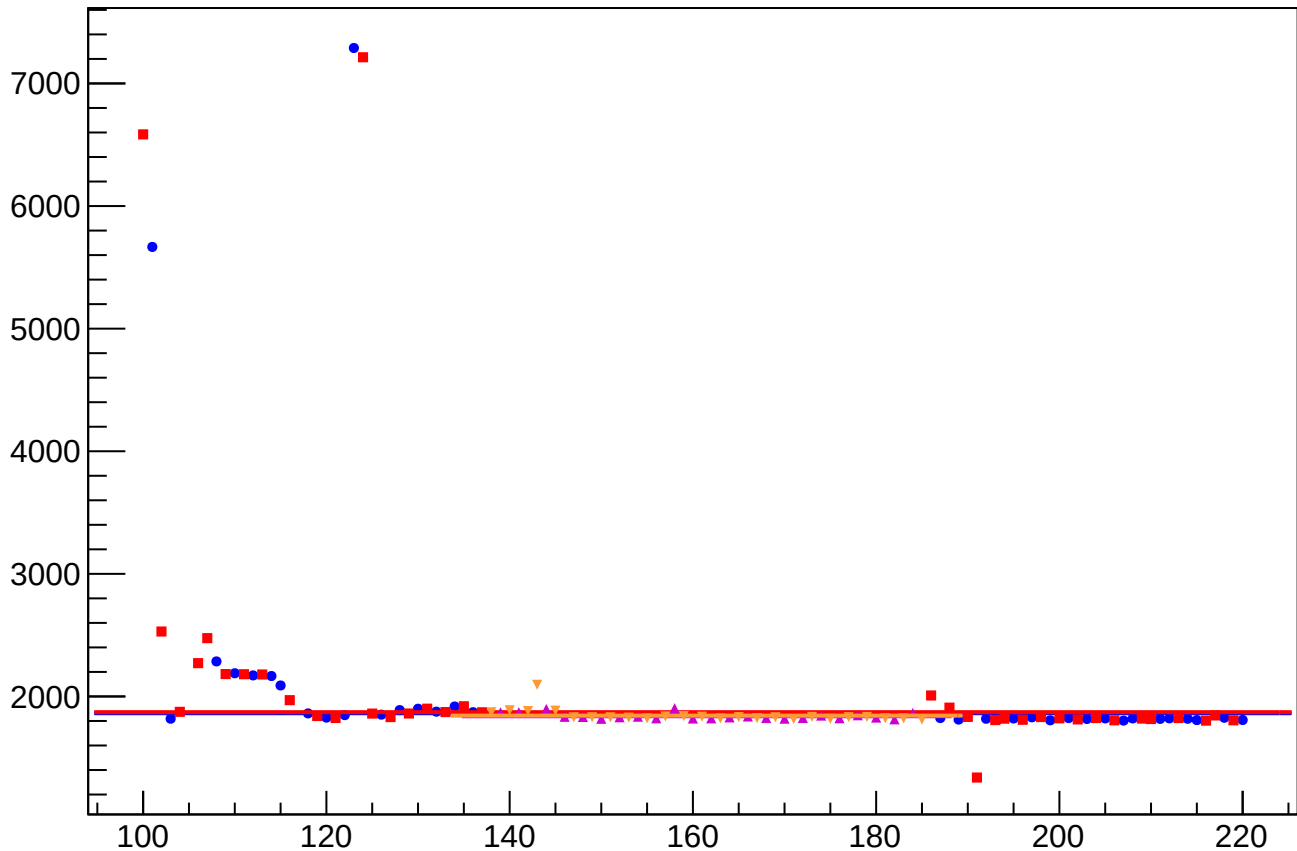
Left In: 398.797+/-441.246 χ^2/NDF : 34.4/22

+ sign -391.964+/-304.921 χ^2/NDF : 58.2/58

All: 45.848+/-216.517 χ^2/NDF : 130.3/118

- sign 491.093+/-307.498 χ^2/NDF : 68.0/59

reg_asym_at1_dd_rms vs Slug



Right In: 1863.269+/-0.306 χ^2/NDF : 655547.1/33

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

Right Out: 1871.800+/-0.303 χ^2/NDF : 490439.9/36

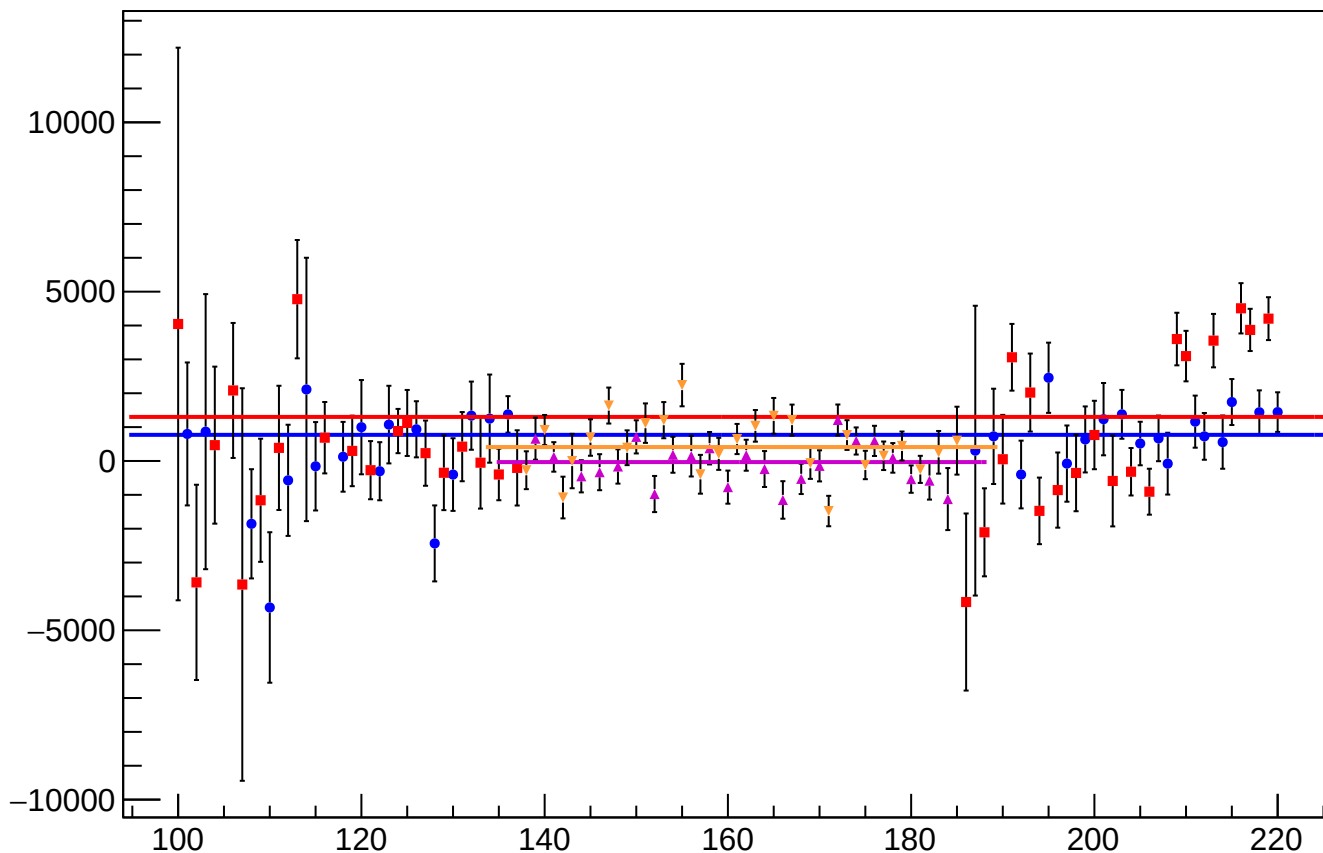
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1853.466+/-0.216 χ^2/NDF : 684464.1/58

All: 1854.565+/-0.153 χ^2/NDF : 1187111.3/11

- sign 1855.682+/-0.217 χ^2/NDF : 502594.9/59

asym_at1_dd_correction_mean vs Slug



Right In: 771.731 ± 159.195 χ^2/NDF : 33.7/33

Left Out: 411.072 ± 100.456 χ^2/NDF : 61.2/24

Right Out: 1301.214 ± 163.370 χ^2/NDF : 154.4/36

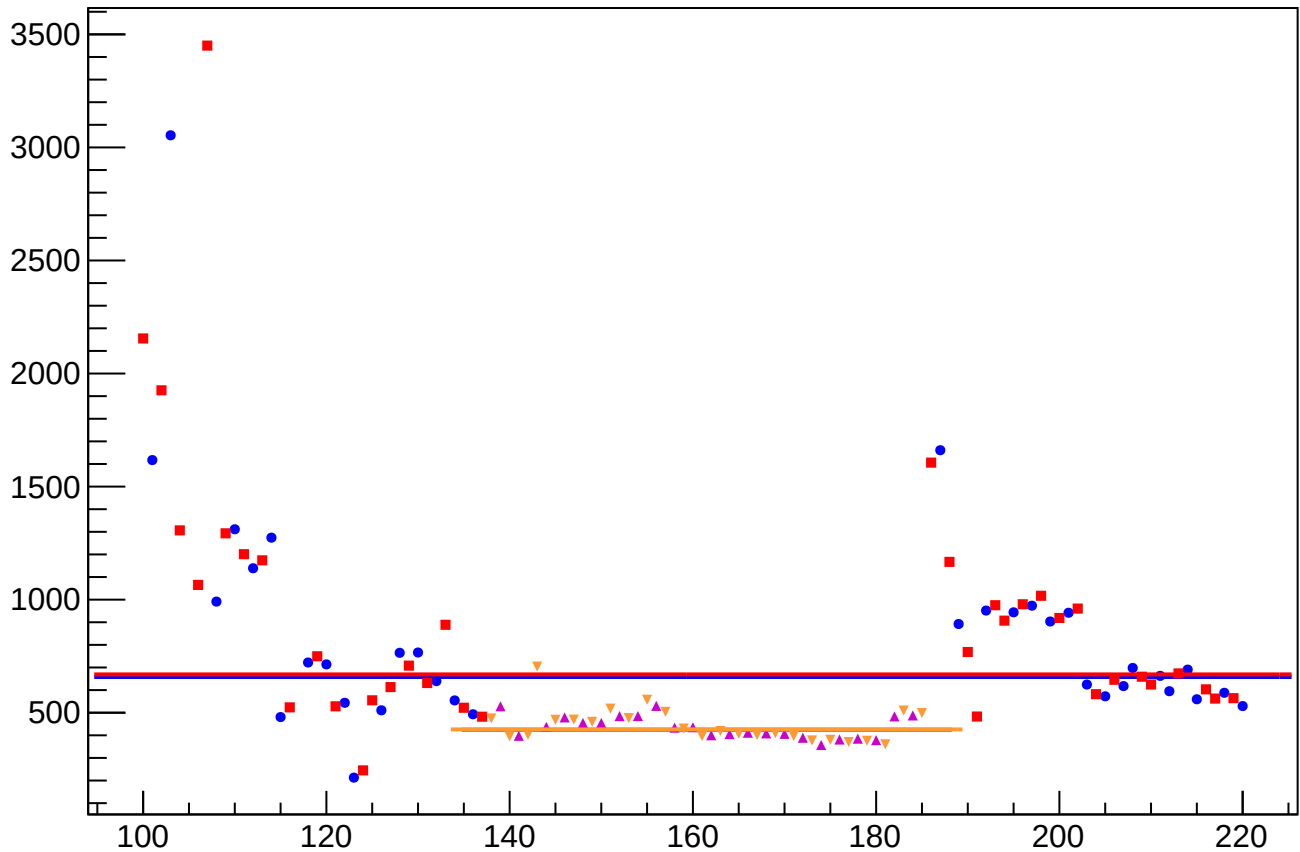
Left In: -32.456 ± 102.403 χ^2/NDF : 32.7/22

+ sign 513.784 ± 84.956 χ^2/NDF : 98.5/58

All: 430.554 ± 60.703 χ^2/NDF : 335.5/118

- sign 343.736 ± 86.767 χ^2/NDF : 235.0/59

asym_at1_dd_correction_rms vs Slug



Right In: 657.909 $\pm$ 0.113 χ^2 /NDF: 3424870.3/33

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 669.358 $\pm$ 0.116 χ^2 /NDF: 4501878.3/36

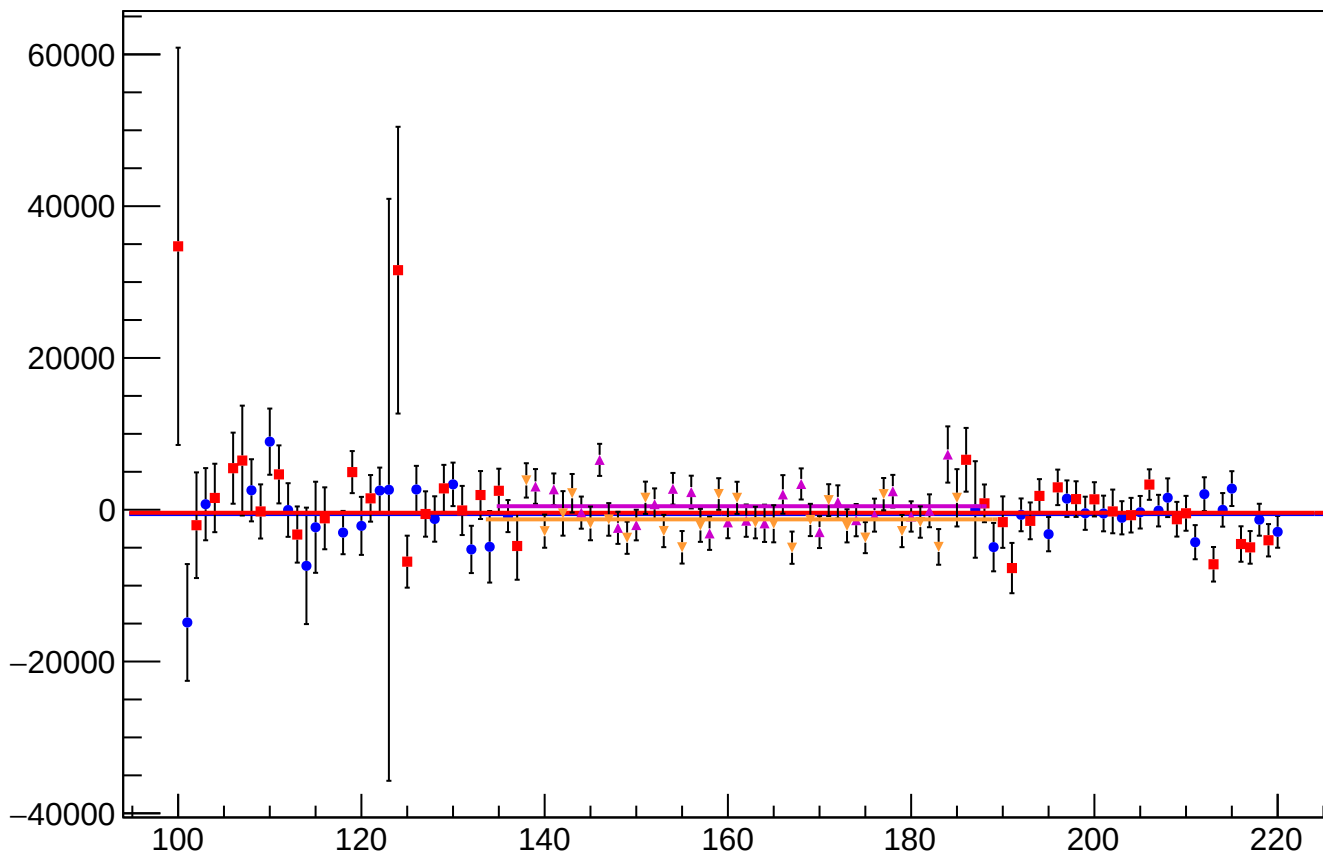
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 492.065 $\pm$ 0.060 χ^2 /NDF: 7192786.1/58

All: 492.849 $\pm$ 0.043 χ^2 /NDF: 15308441.6/11

- sign 493.667 $\pm$ 0.061 χ^2 /NDF: 8115307.4/59

asym_at1_dd_mean vs Slug



Right In: -572.711 $\pm$ 473.357 χ^2 /NDF: 30.3/33

Left Out: -1267.885 $\pm$ 443.219 χ^2 /NDF: 30.8/24

Right Out: -399.528 $\pm$ 476.503 χ^2 /NDF: 56.4/36

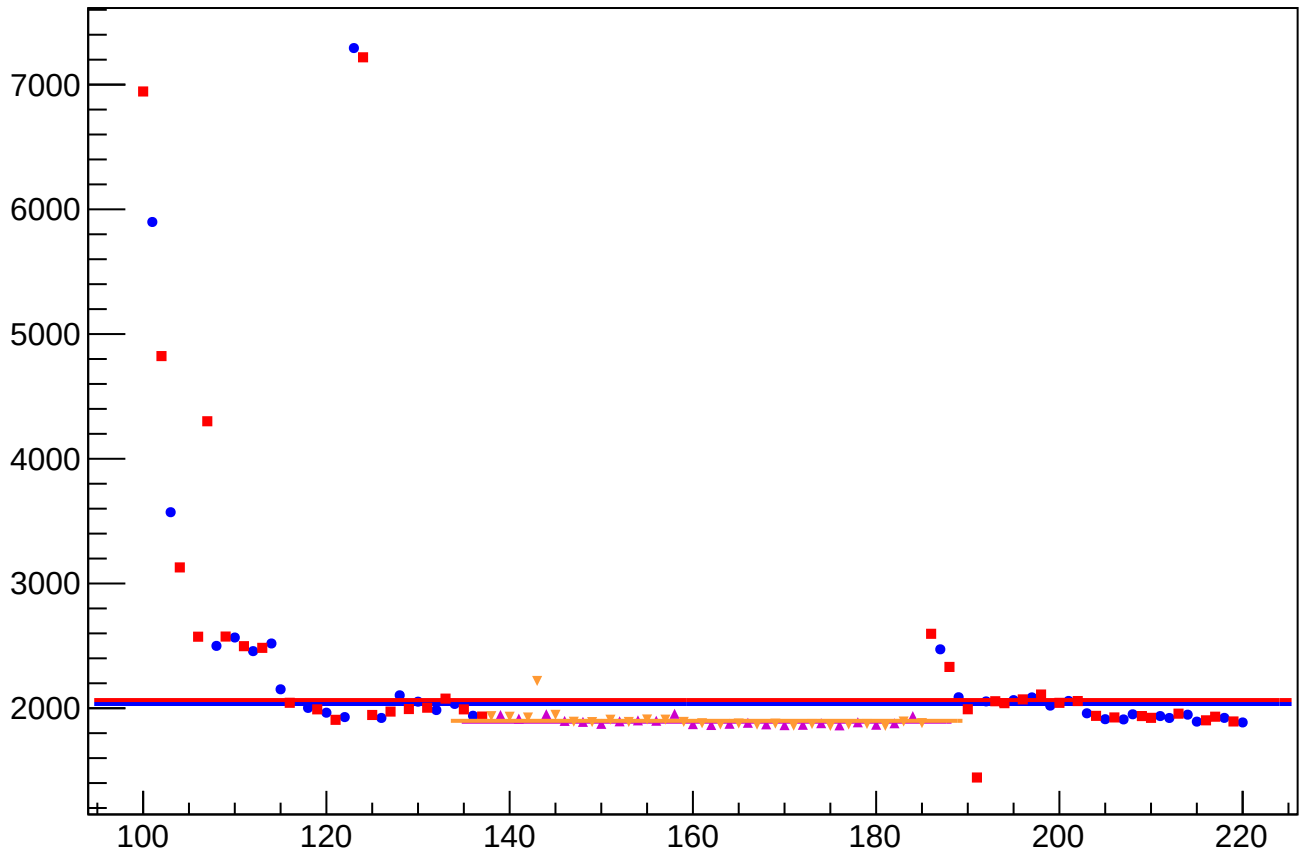
Left In: 462.599 $\pm$ 453.947 χ^2 /NDF: 32.6/22

+ sign -943.132 $\pm$ 323.533 χ^2 /NDF: 62.2/58

All: -453.200 $\pm$ 230.568 χ^2 /NDF: 157.6/118

- sign 52.423 $\pm$ 328.674 χ^2 /NDF: 90.7/59

asym_at1_dd_rms vs Slug



Right In: 2033.808 $\pm$ 0.335 χ^2 /NDF: 921112.4/33

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2065.447 $\pm$ 0.337 χ^2 /NDF: 1157705.9/36

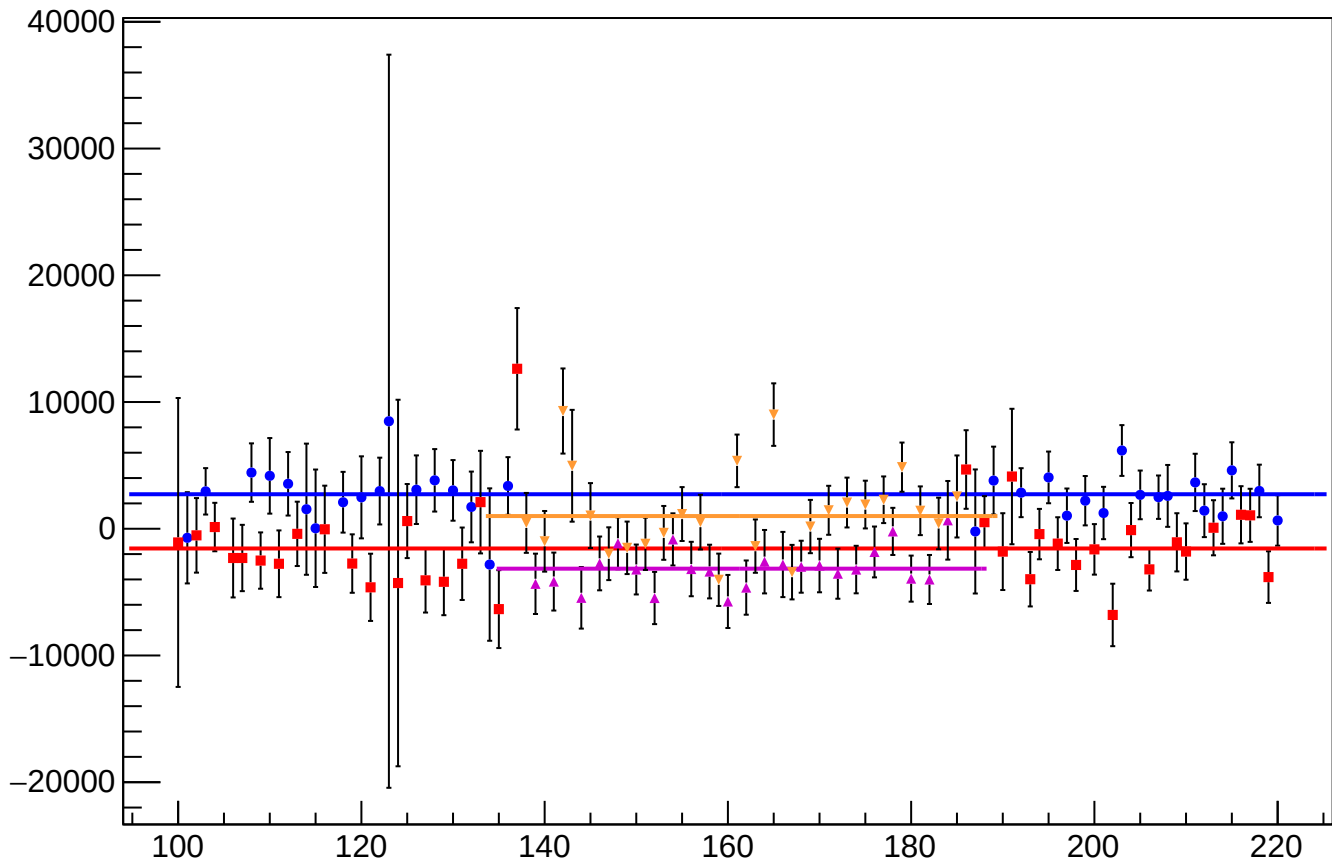
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1961.955 $\pm$ 0.229 χ^2 /NDF: 1046275.8/58

All: 1968.060 $\pm$ 0.163 χ^2 /NDF: 2352258.9/11

- sign 1974.360 $\pm$ 0.232 χ^2 /NDF: 1304536.2/59

reg_asym_at2_avg_mean vs Slug



Right In: 2723.015 $\pm$ 411.070 χ^2 /NDF: 11.8/33

Left Out: 1001.263 $\pm$ 435.247 χ^2 /NDF: 44.6/24

Right Out: -1557.177 $\pm$ 408.156 χ^2 /NDF: 37.2/36

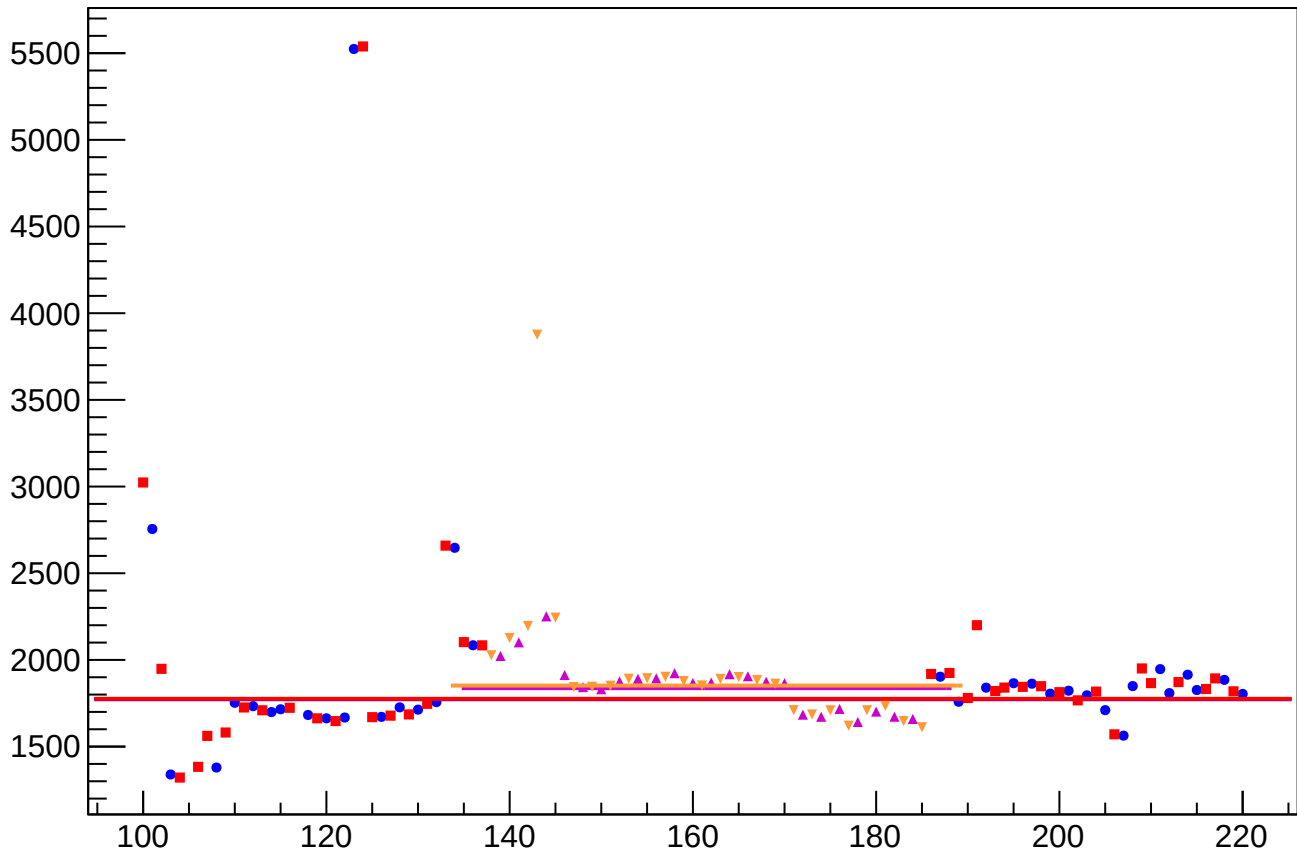
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF: 11.8/22

+ sign 1911.285 $\pm$ 298.852 χ^2 /NDF: 64.7/58

All: -185.152 $\pm$ 211.582 χ^2 /NDF: 219.4/118

- sign -2292.014 $\pm$ 299.594 χ^2 /NDF: 56.0/59

reg_asym_at2_avg_rms vs Slug



Right In: 1773.232 $\pm$ 0.291 χ^2 /NDF: 523449.2/33

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1775.281 $\pm$ 0.289 χ^2 /NDF: 580333.4/36

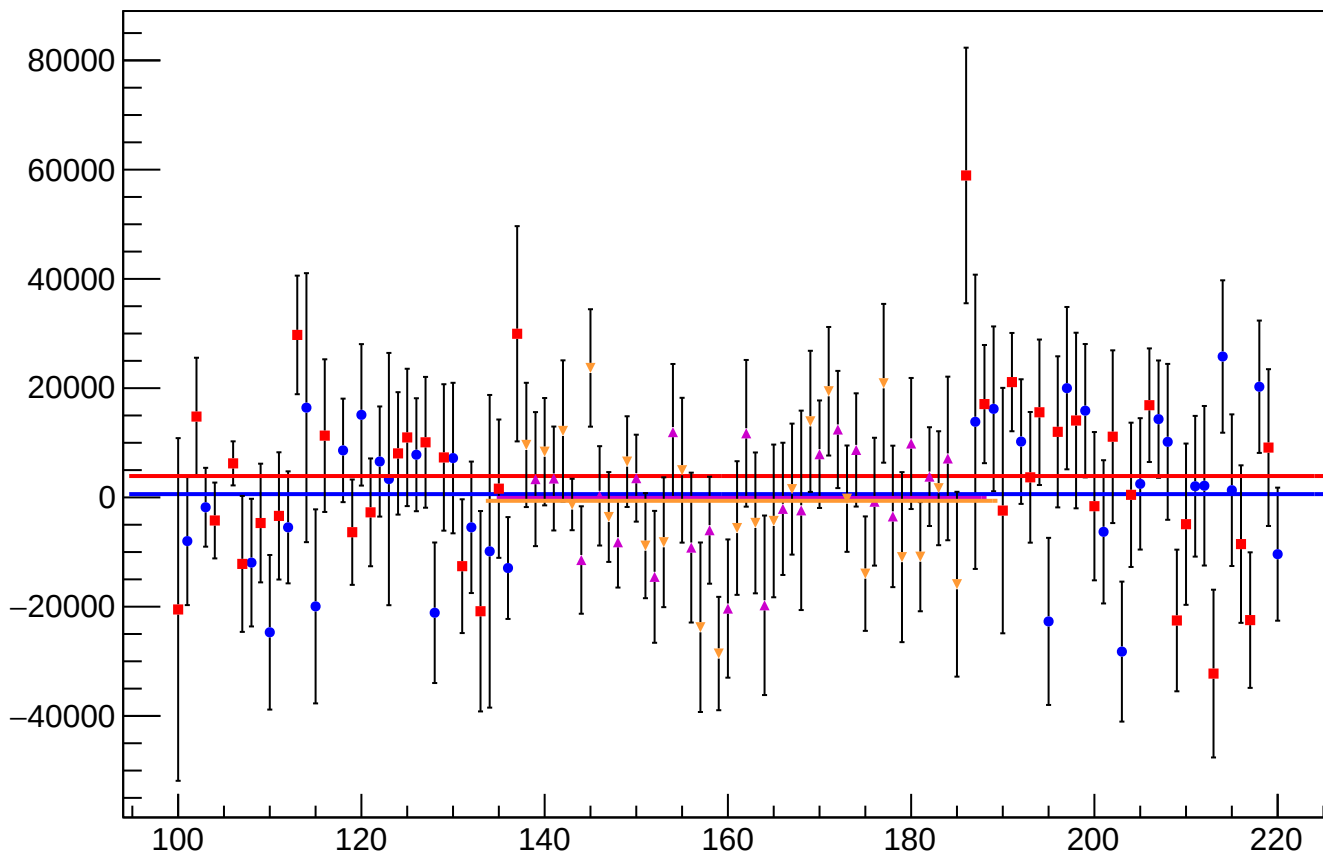
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1810.348 $\pm$ 0.211 χ^2 /NDF: 1206988.2/58

All: 1807.090 $\pm$ 0.150 χ^2 /NDF: 2009507.1/11

- sign 1803.816 $\pm$ 0.212 χ^2 /NDF: 802042.4/59

asym_at2_avg_correction_mean vs Slug



Right In: 603.702 $\pm$ 2140.512 χ^2 /NDF: 37.3/33

Left Out: -619.372 $\pm$ 2069.686 χ^2 /NDF:30.1/24

Right Out: 3914.218 $\pm$ 1838.366 χ^2 /NDF: 49.5/36

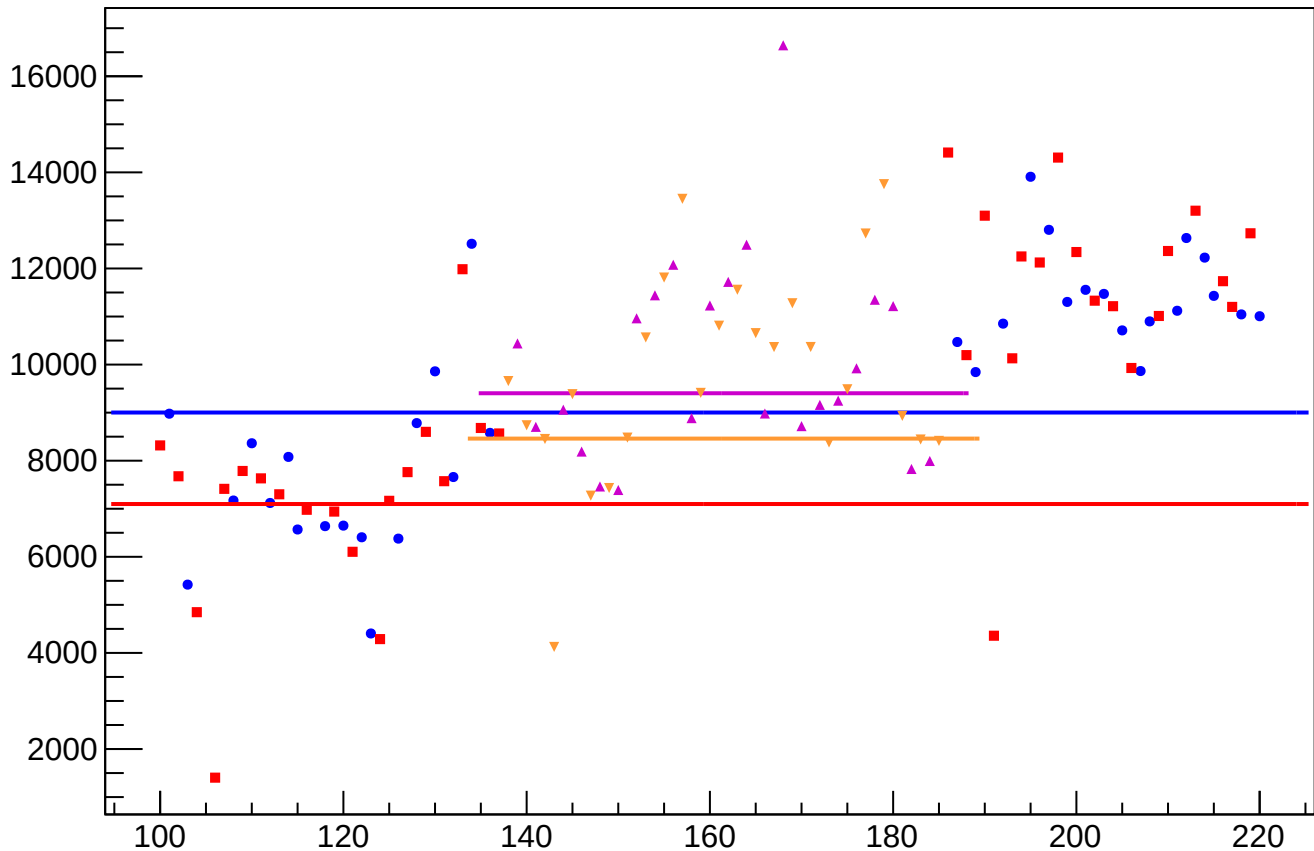
Left In: -93.334 $\pm$ 2293.826 χ^2 /NDF:14.6/22

+ sign -28.404 $\pm$ 1487.898 χ^2 /NDF: 67.6/58

All: 1202.604 $\pm$ 1032.712 χ^2 /NDF: 134.9/118

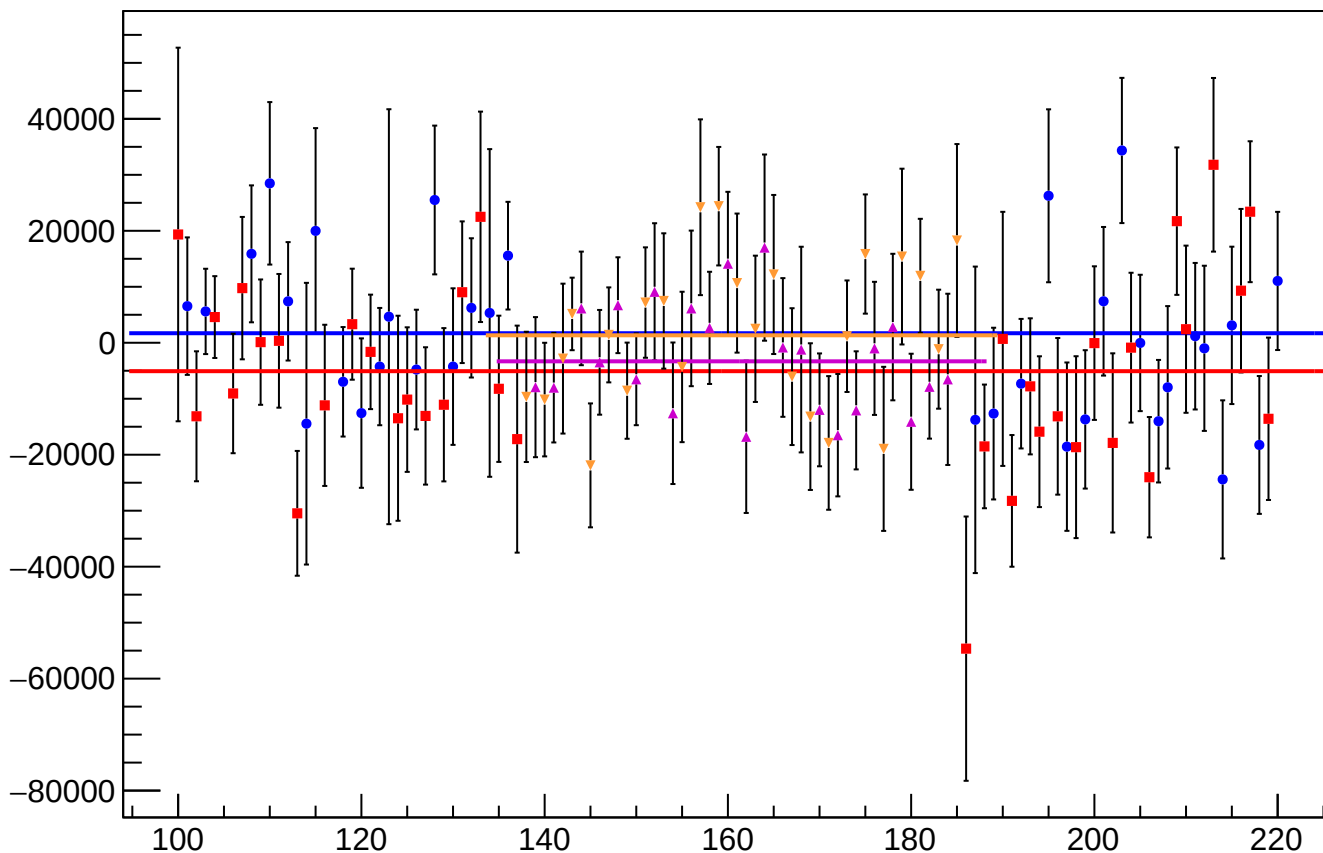
- sign 2346.862 $\pm$ 1434.514 χ^2 /NDF: 66.0/59

asym_at2_avg_correction_rms vs Slug



Right In: 9002.400+/-1.514	χ^2/NDF : 2420424.3/33	+ sign 8722.058+/-1.052	χ^2/NDF : 5574004.5/58
Left Out: 8459.960+/-1.463	χ^2/NDF : 3087200.5/24	All: 8347.805+/-0.730	χ^2/NDF : 16828615.6/1
Right Out: 7098.412+/-1.300	χ^2/NDF : 8638044.4/36	- sign 7999.926+/-1.014	χ^2/NDF : 11010456.9/59
Left In: 9403.481+/-1.622	χ^2/NDF : 1142646.9/22		

asym_at2_avg_mean vs Slug



Right In: 1703.409+/-2203.387 χ^2/NDF : 38.5/33

Left Out: 1332.828+/-2213.733 χ^2/NDF : 28.0/24

Right Out: -5076.924+/-2122.961 χ^2/NDF : 47.7/36

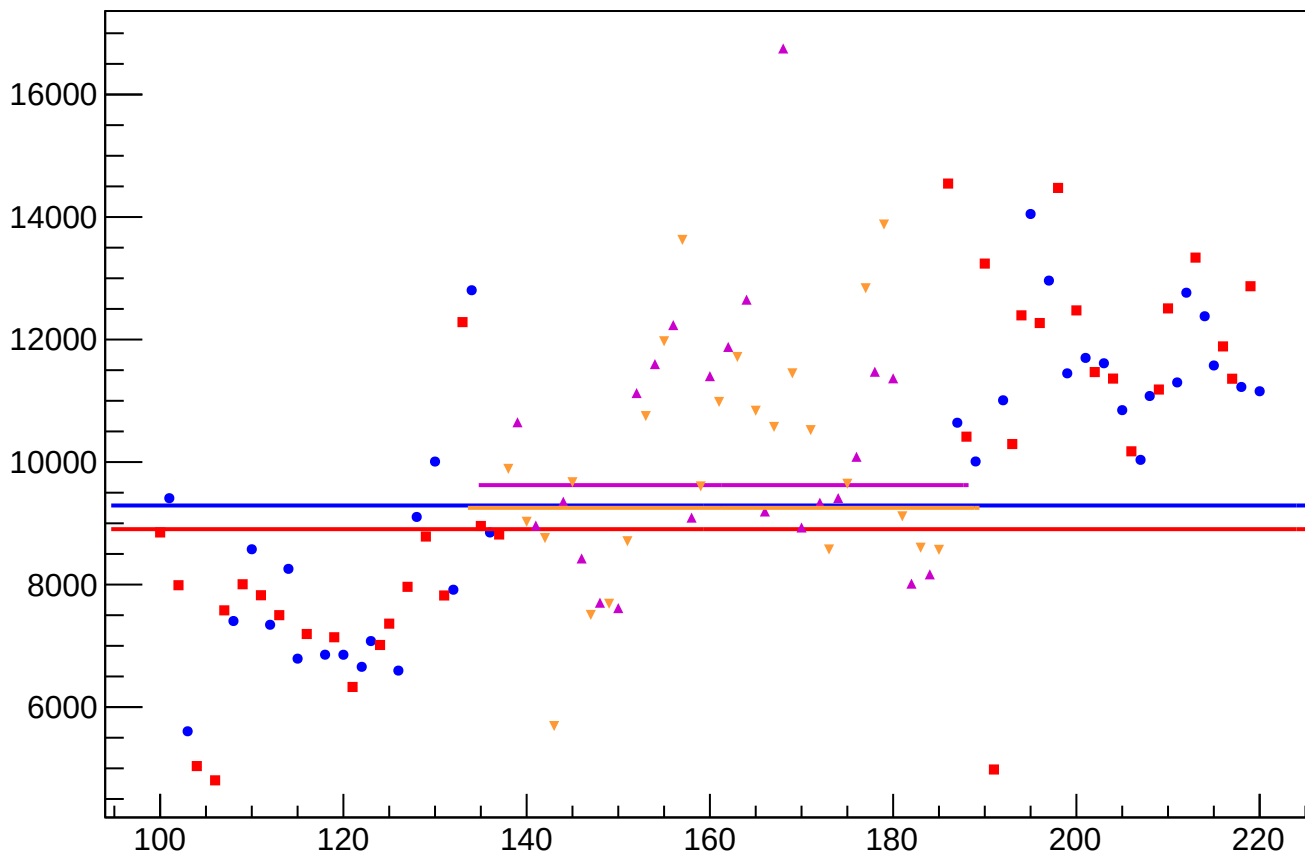
Left In: -3316.909+/-2344.543 χ^2/NDF : 13.7/22

+ sign 1518.987+/-1561.675 χ^2/NDF : 66.6/58

All: -1360.283+/-1108.491 χ^2/NDF : 135.2/111

- sign -4283.996+/-1573.681 χ^2/NDF : 61.7/59

asym_at2_avg_rms vs Slug



Right In: 9291.085 $\pm$ 1.558 χ^2 /NDF: 2170312.4/33

Left Out: 9252.712 $\pm$ 1.565 χ^2 /NDF:1597668.9/24

Right Out: 8904.569 $\pm$ 1.501 χ^2 /NDF: 3200666.8/36

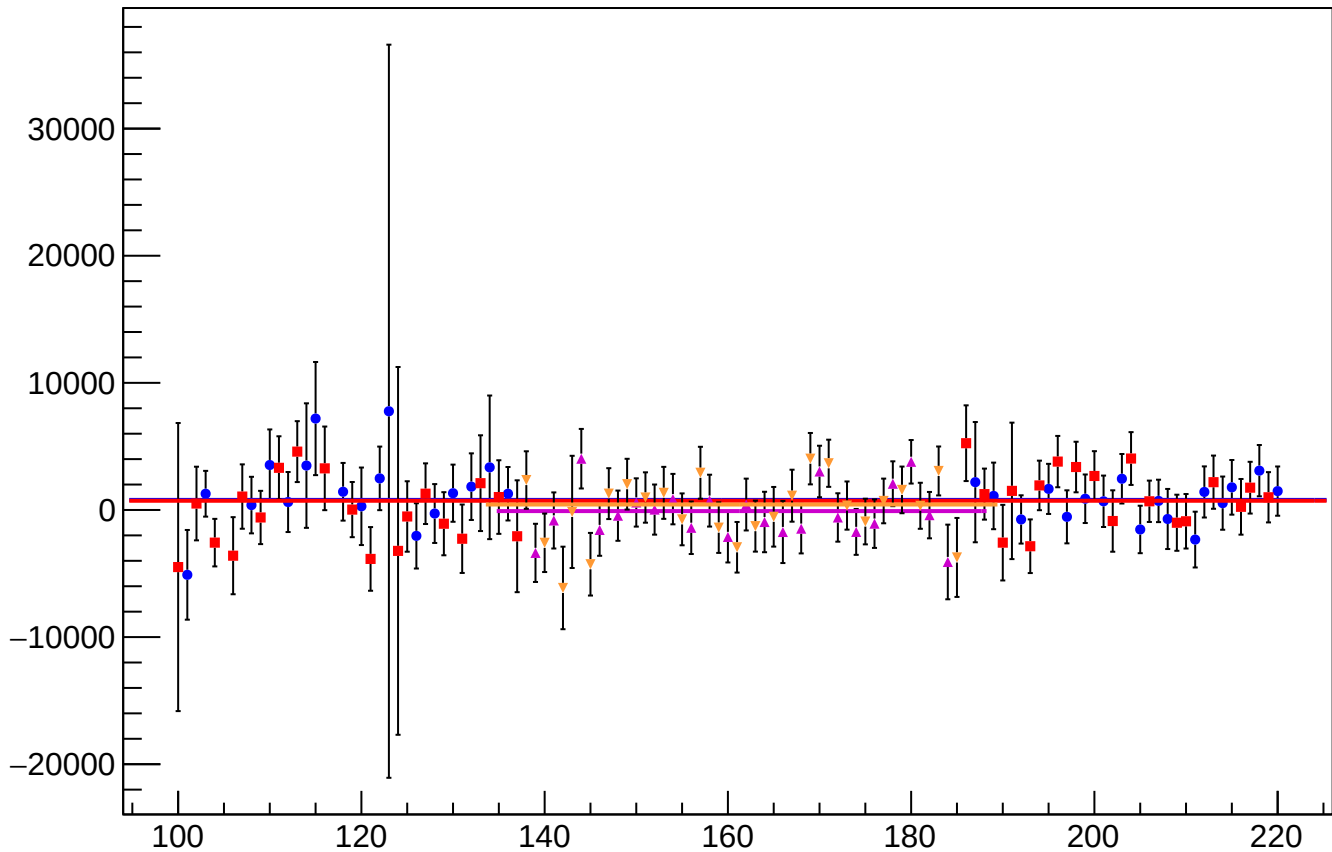
Left In: 9623.485 $\pm$ 1.658 χ^2 /NDF:1069924.0/22

+ sign 9271.989 $\pm$ 1.104 χ^2 /NDF: 3768283.3/58

All: 9250.373 $\pm$ 0.784 χ^2 /NDF: 8142983.1/11

- sign 9228.425 $\pm$ 1.113 χ^2 /NDF: 4373927.7/59

reg_asym_at2_dd_mean vs Slug



Right In: 791.769 ± 396.323 χ^2/NDF : 16.6/33

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 724.905 ± 393.647 χ^2/NDF : 33.1/36

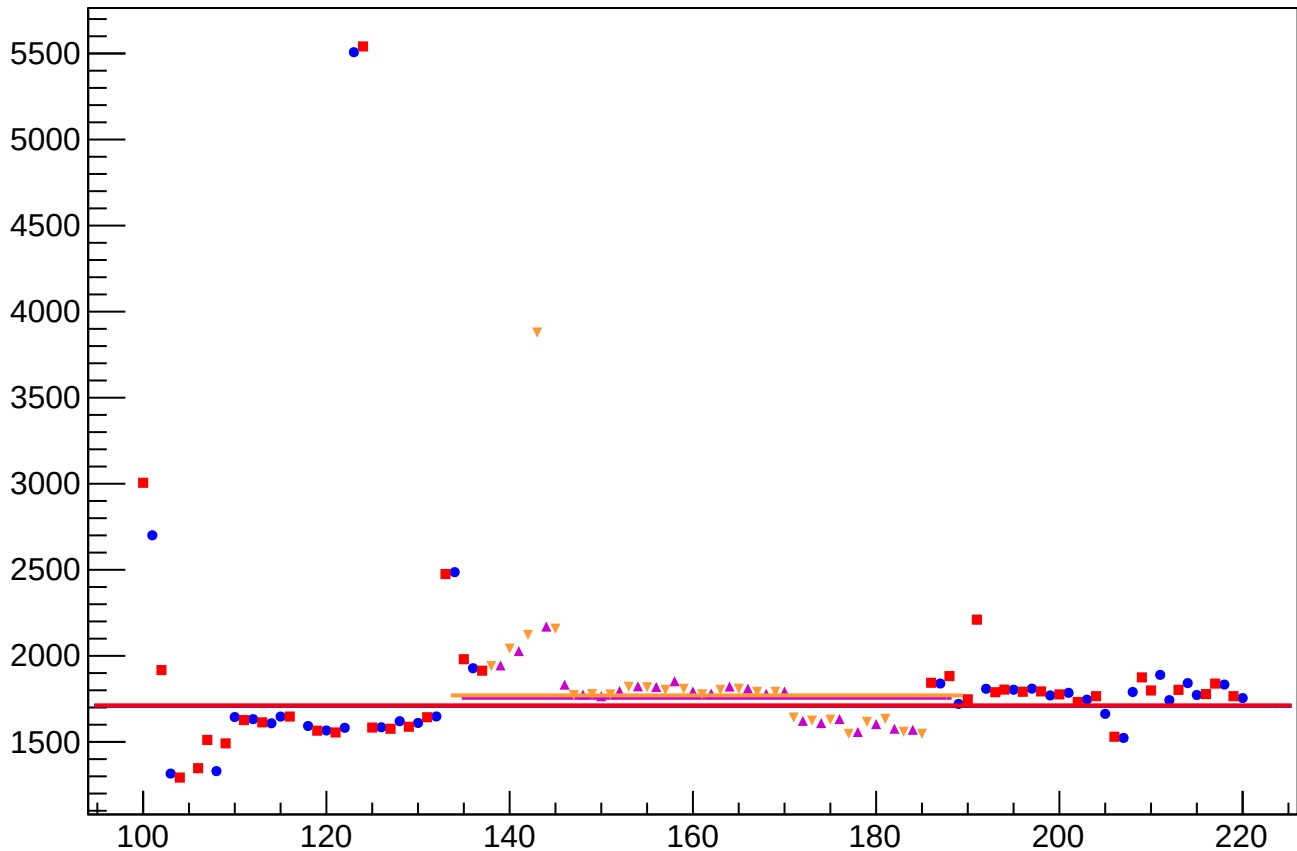
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 619.543 ± 287.071 χ^2/NDF : 45.7/58

All: 483.367 ± 203.261 χ^2/NDF : 102.2/118

- sign 346.462 ± 287.839 χ^2/NDF : 56.1/59

reg_asym_at2_dd_rms vs Slug



Right In: 1709.630 $\pm$ 0.280 χ^2 /NDF: 520051.9/33

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1712.019 $\pm$ 0.278 χ^2 /NDF: 591397.0/36

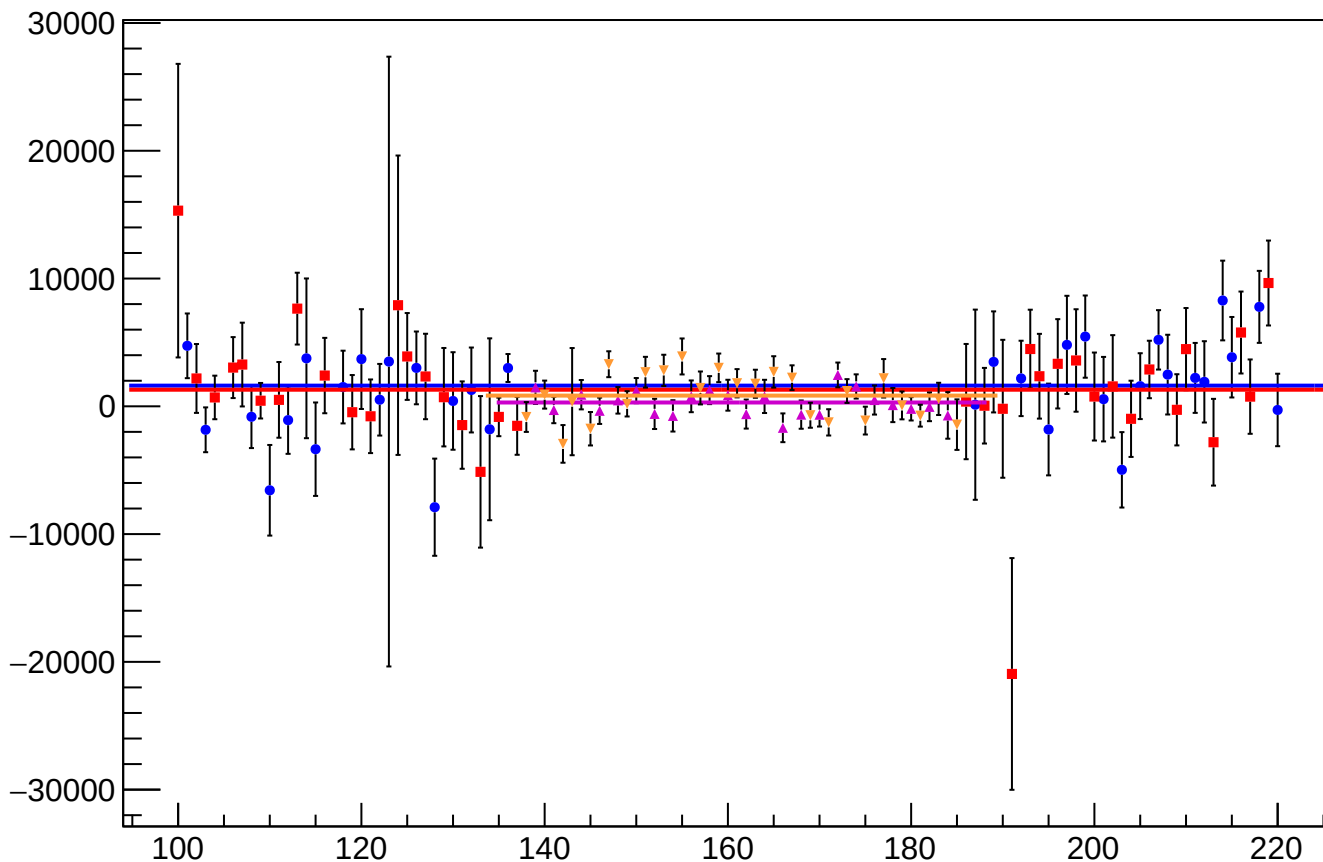
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1738.509 $\pm$ 0.203 χ^2 /NDF: 1241928.5/58

All: 1735.649 $\pm$ 0.144 χ^2 /NDF: 2068750.2/11

- sign 1732.774 $\pm$ 0.204 χ^2 /NDF: 826423.7/59

asym_at2_dd_correction_mean vs Slug



Right In: 1618.298+/-484.100 χ^2/NDF : 44.8/33

Left Out: 839.344+/-230.465 χ^2/NDF : 54.4/24

Right Out: 1298.694+/-471.734 χ^2/NDF : 35.9/36

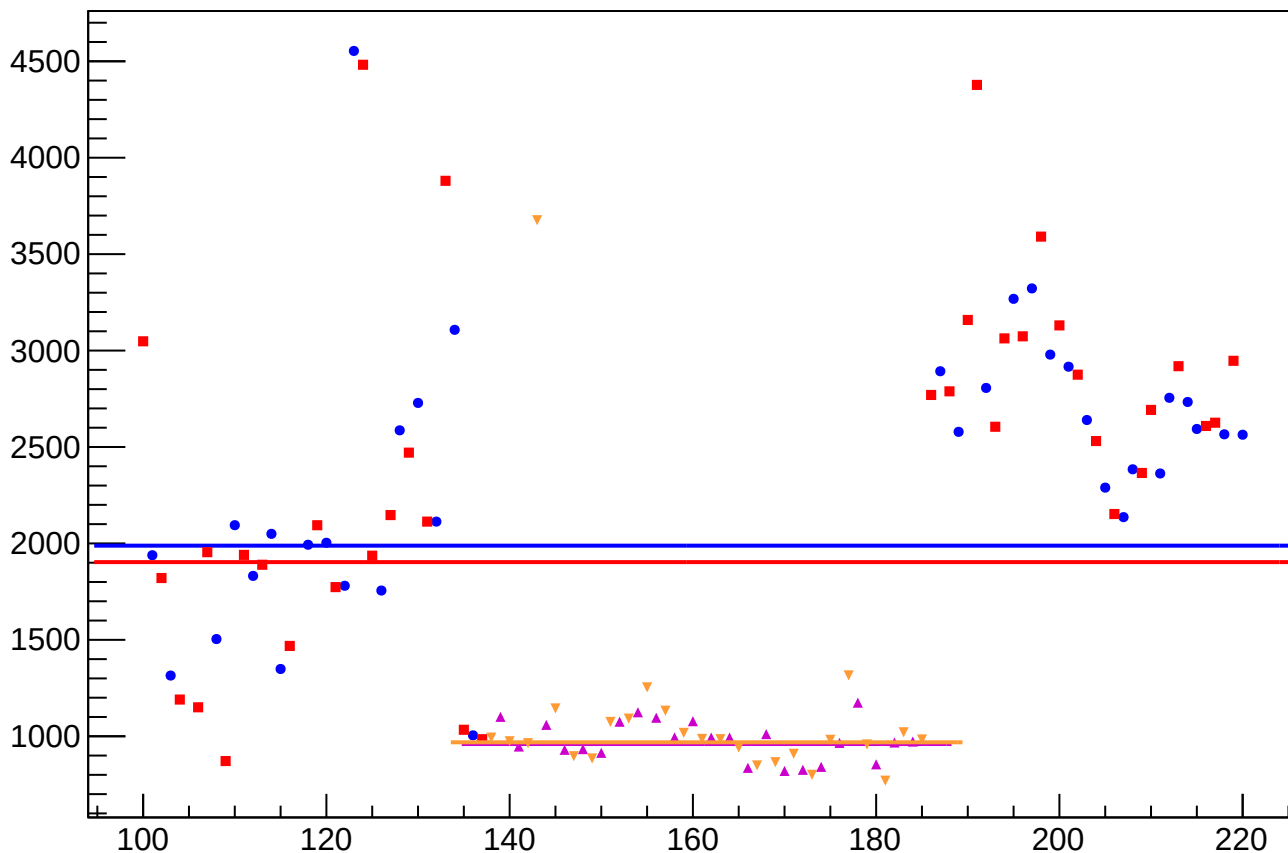
Left In: 298.801+/-231.400 χ^2/NDF : 18.3/22

+ sign 983.268+/-208.088 χ^2/NDF : 101.3/58

All: 737.603+/-147.021 χ^2/NDF : 162.0/118

- sign 492.731+/-207.751 χ^2/NDF : 57.9/59

asym_at2_dd_correction_rms vs Slug



Right In: 1988.383 ± 0.342 χ^2/NDF : 4030428.7/33

Left Out: 968.712 ± 0.163 χ^2/NDF : 1393696.6/24

Right Out: 1903.057 ± 0.334 χ^2/NDF : 5796831.4/36

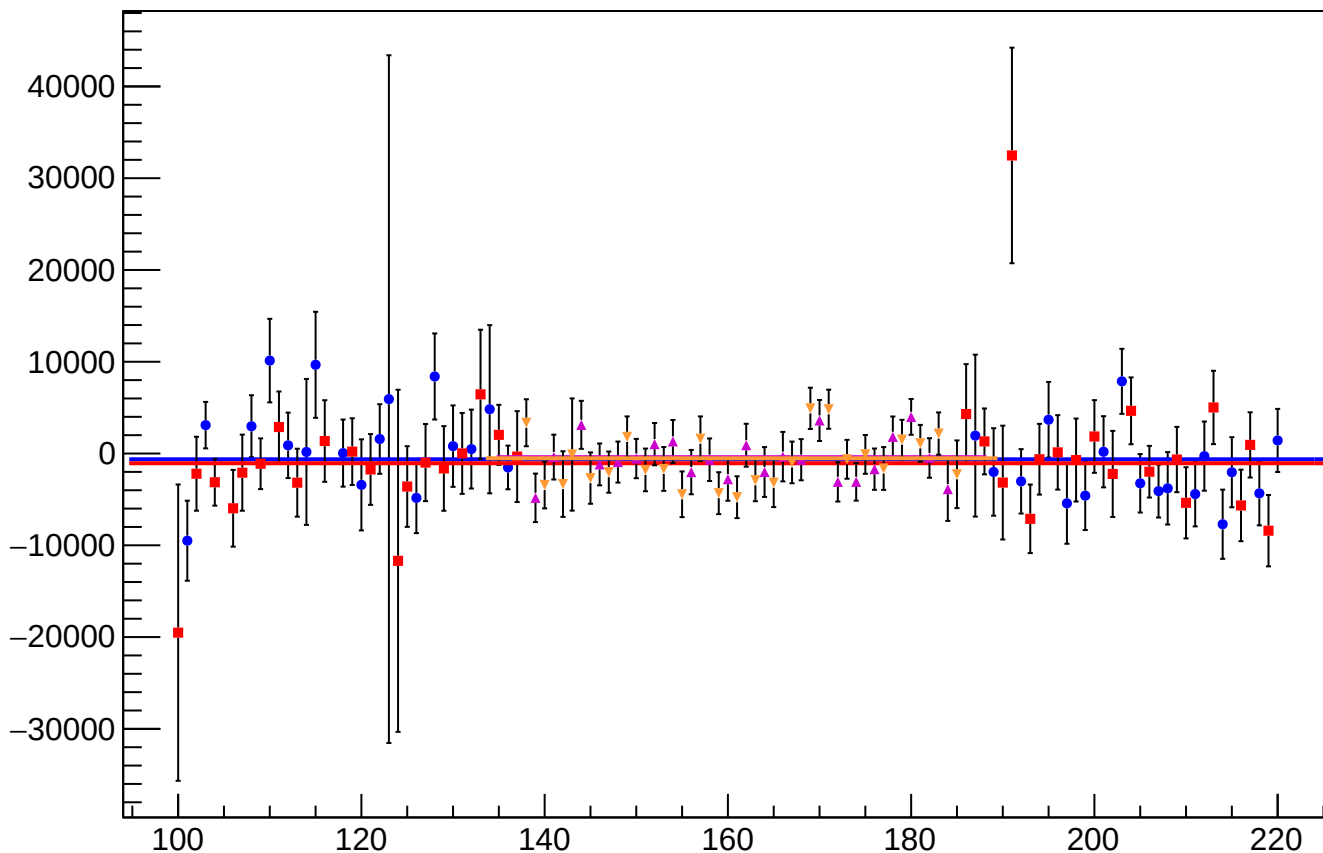
Left In: 959.805 ± 0.164 χ^2/NDF : 371210.5/22

+ sign 1157.112 ± 0.147 χ^2/NDF : 12657848.5/58

All: 1149.919 ± 0.104 χ^2/NDF : 25276102.7/100

- sign 1142.749 ± 0.147 χ^2/NDF : 12613482.2/59

asym_at2_dd_mean vs Slug



Right In: -628.494 ± 664.090 χ^2/NDF : 41.6/33

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -1059.604 ± 661.247 χ^2/NDF : 32.5/36

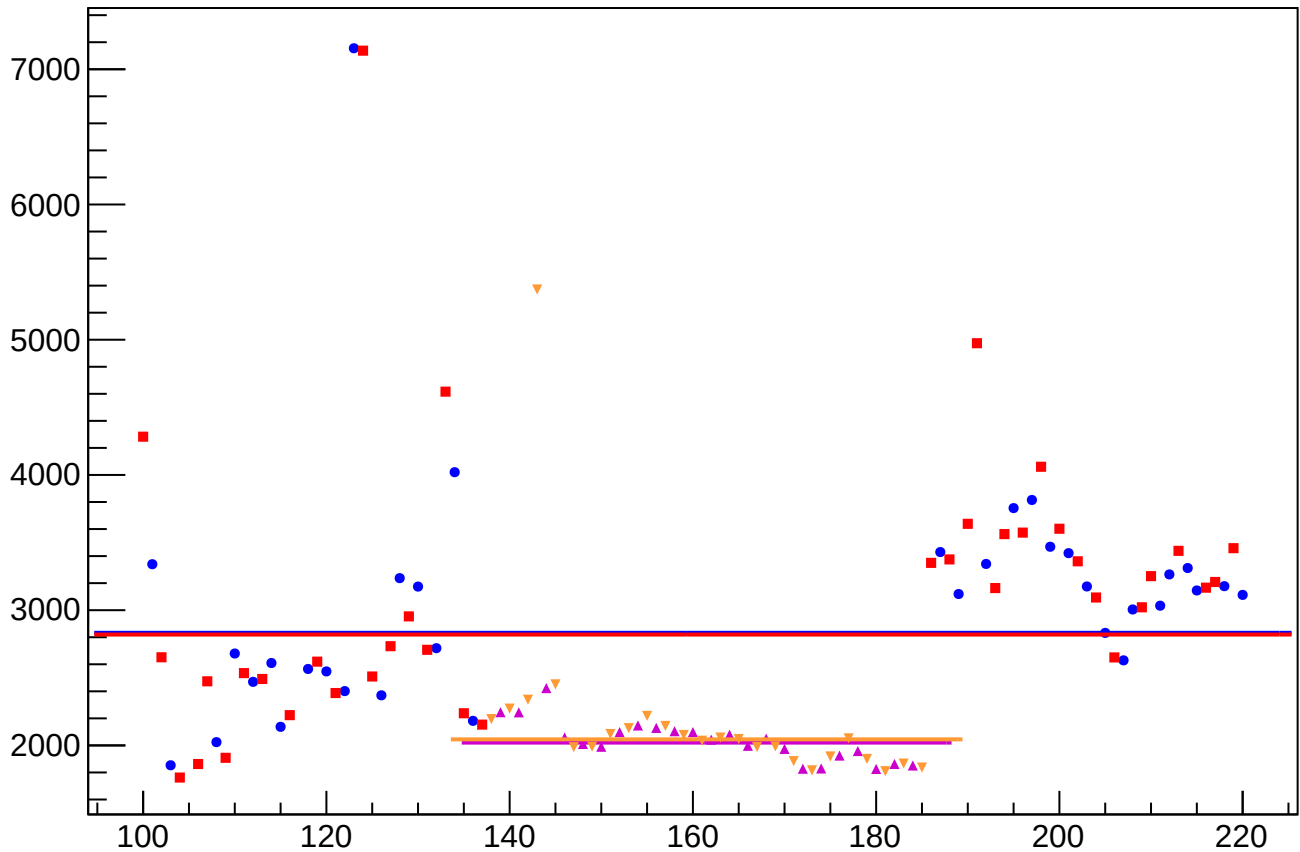
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -555.887 ± 389.810 χ^2/NDF : 75.6/58

All: -592.353 ± 276.095 χ^2/NDF : 130.7/118

- sign -629.062 ± 391.107 χ^2/NDF : 55.0/59

asym_at2_dd_rms vs Slug



Right In: 2832.731 $\pm$ 0.470 χ^2 /NDF: 1310819.8/33

Left Out: 2044.722 $\pm$ 0.340 χ^2 /NDF: 788703.5/24

Right Out: 2819.832 $\pm$ 0.468 χ^2 /NDF: 1921312.8/36

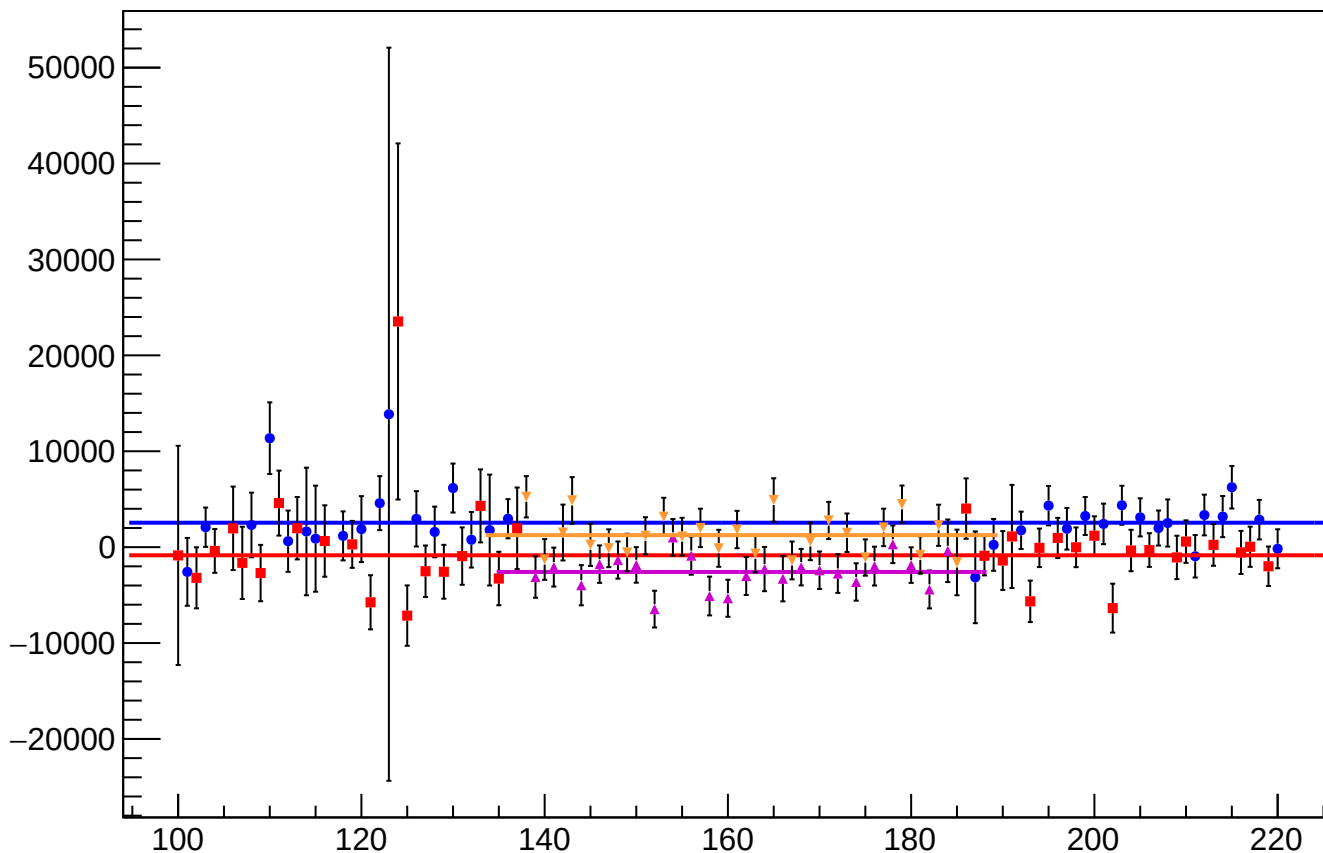
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2316.232 $\pm$ 0.276 χ^2 /NDF: 3945298.7/58

All: 2308.309 $\pm$ 0.195 χ^2 /NDF: 7940464.1/11

- sign 2300.333 $\pm$ 0.277 χ^2 /NDF: 3993507.4/59

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2547.692 $\pm$ 428.113 χ^2 /NDF: 23.3/33

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF:23.0/24

Right Out: -849.302 $\pm$ 429.103 χ^2 /NDF: 33.2/36

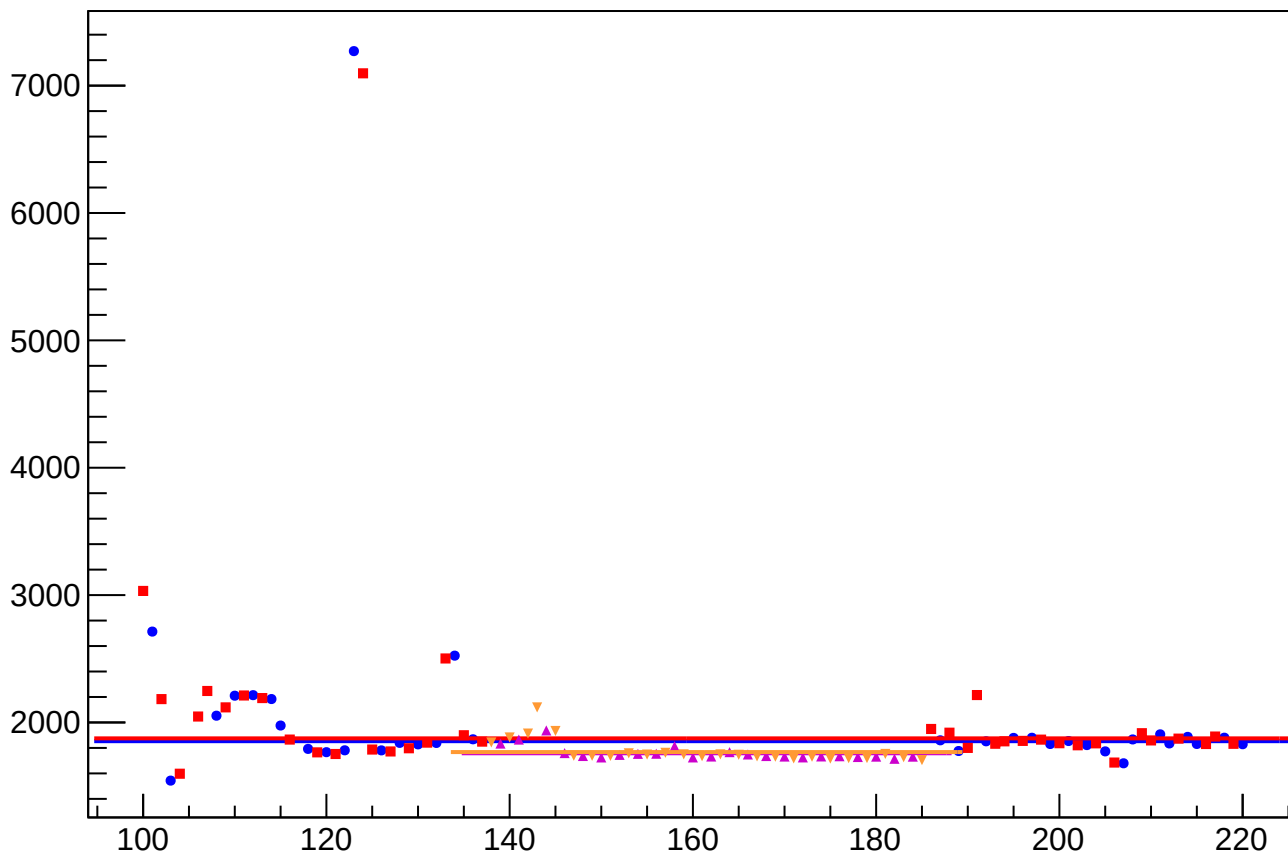
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1874.686 $\pm$ 297.042 χ^2 /NDF: 51.1/58

All: 92.614 $\pm$ 211.322 χ^2 /NDF: 183.0/118

- sign -1733.629 $\pm$ 300.701 χ^2 /NDF: 59.1/59

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1852.982 $\pm$ 0.303 χ^2 /NDF: 320271.9/33

Left Out: 1767.517 $\pm$ 0.292 χ^2 /NDF: 77674.7/24

Right Out: 1875.087 $\pm$ 0.303 χ^2 /NDF: 411623.9/36

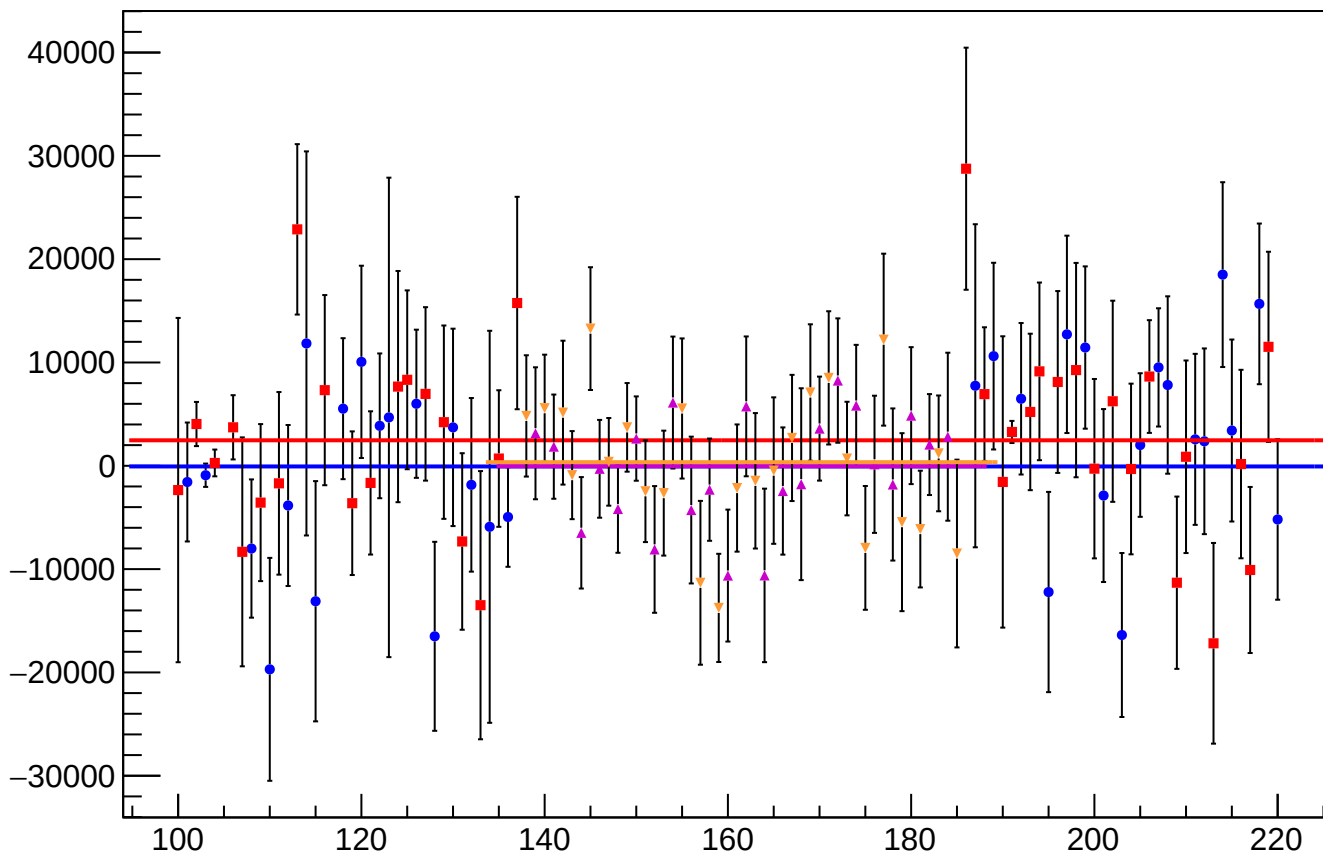
Left In: 1758.076 $\pm$ 0.298 χ^2 /NDF: 29806.0/22

+ sign 1808.661 $\pm$ 0.210 χ^2 /NDF: 439281.4/58

All: 1812.073 $\pm$ 0.149 χ^2 /NDF: 956971.8/118

- sign 1815.568 $\pm$ 0.213 χ^2 /NDF: 517156.2/59

asym_atl1r2_avg_correction_mean vs Slug



Right In: -63.036 ± 882.731 χ^2/NDF : 40.0/33

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2467.393 ± 668.539 χ^2/NDF : 38.2/36

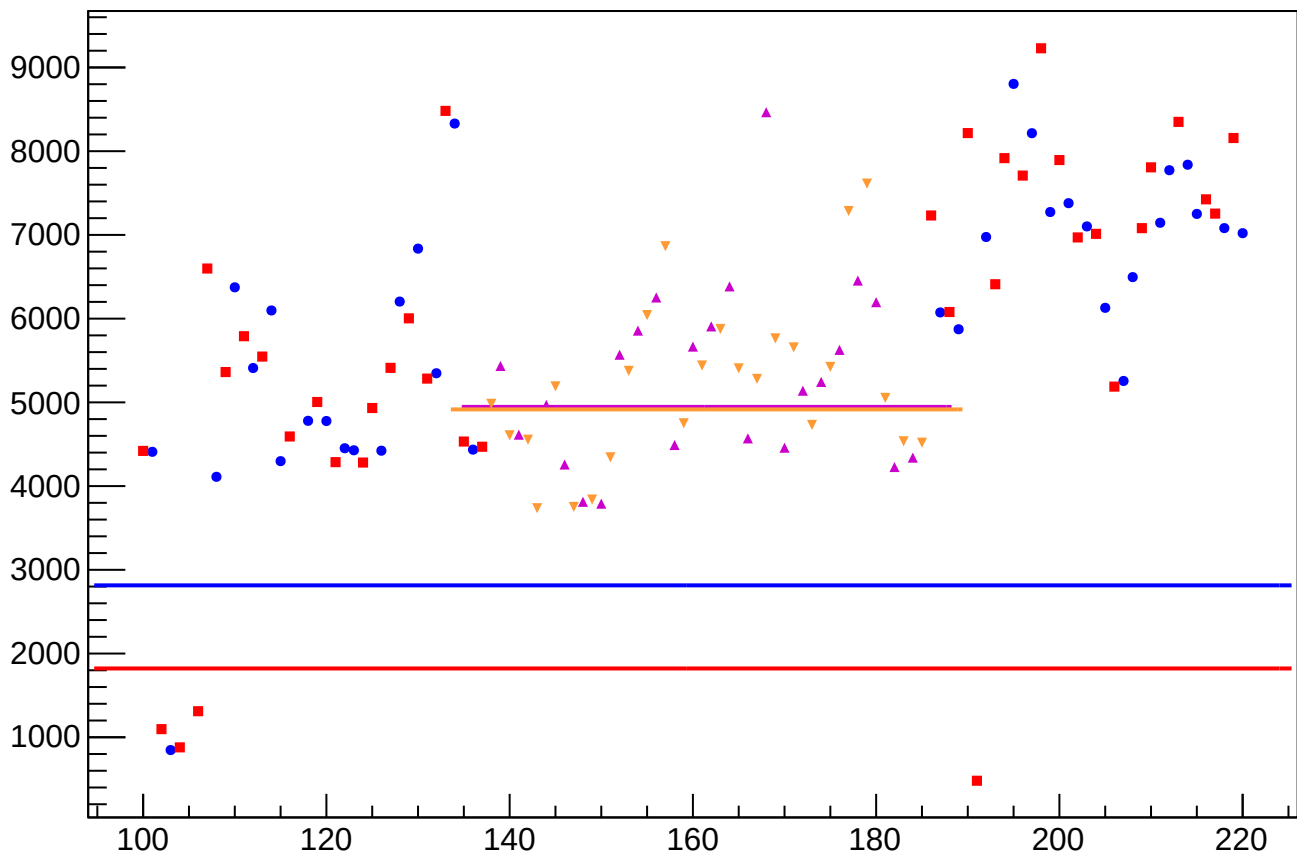
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign 87.227 ± 704.681 χ^2/NDF : 67.9/58

All: 1148.129 ± 450.055 χ^2/NDF : 129.3/118

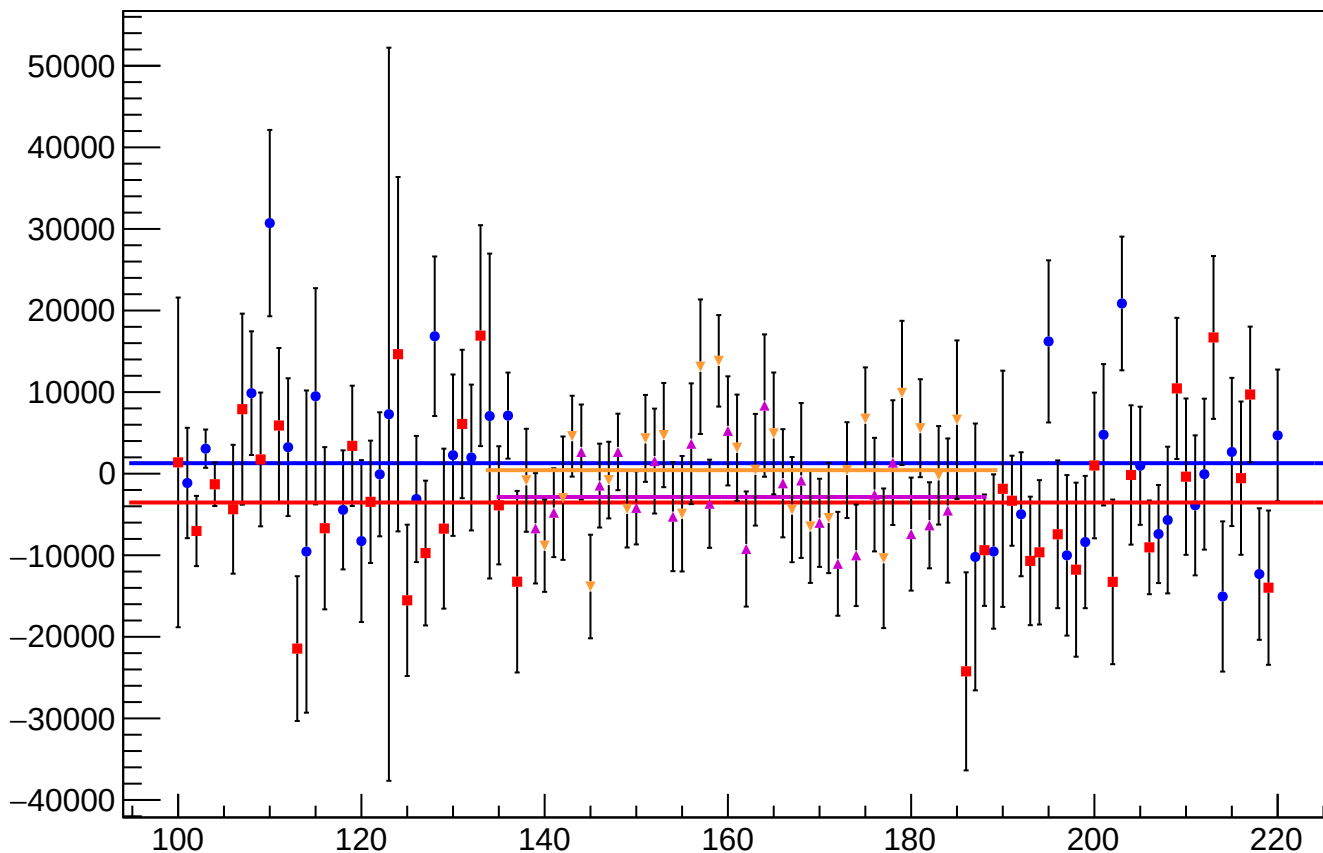
- sign 1878.967 ± 584.878 χ^2/NDF : 57.6/59

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2814.434 $\pm$ 0.624	χ^2 /NDF: 17373160.1/33	+ sign 3576.672 $\pm$ 0.498	χ^2 /NDF: 22670935.2/58
Left Out: 4915.865 $\pm$ 0.827	χ^2 /NDF: 1186479.7/24	All: 2971.509 $\pm$ 0.318	χ^2 /NDF: 59631824.7/1
Right Out: 1821.629 $\pm$ 0.473	χ^2 /NDF: 23034105.3/36	- sign 2554.622 $\pm$ 0.414	χ^2 /NDF: 34469802.8/59
Left In: 4945.817 $\pm$ 0.854	χ^2 /NDF: 1188288.6/22		

asym_atl1r2_avg_mean vs Slug



Right In: 1286.348+/-1268.681 χ^2/NDF : 37.7/33

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: -3534.352+/-1249.957 χ^2/NDF : 34.7/36

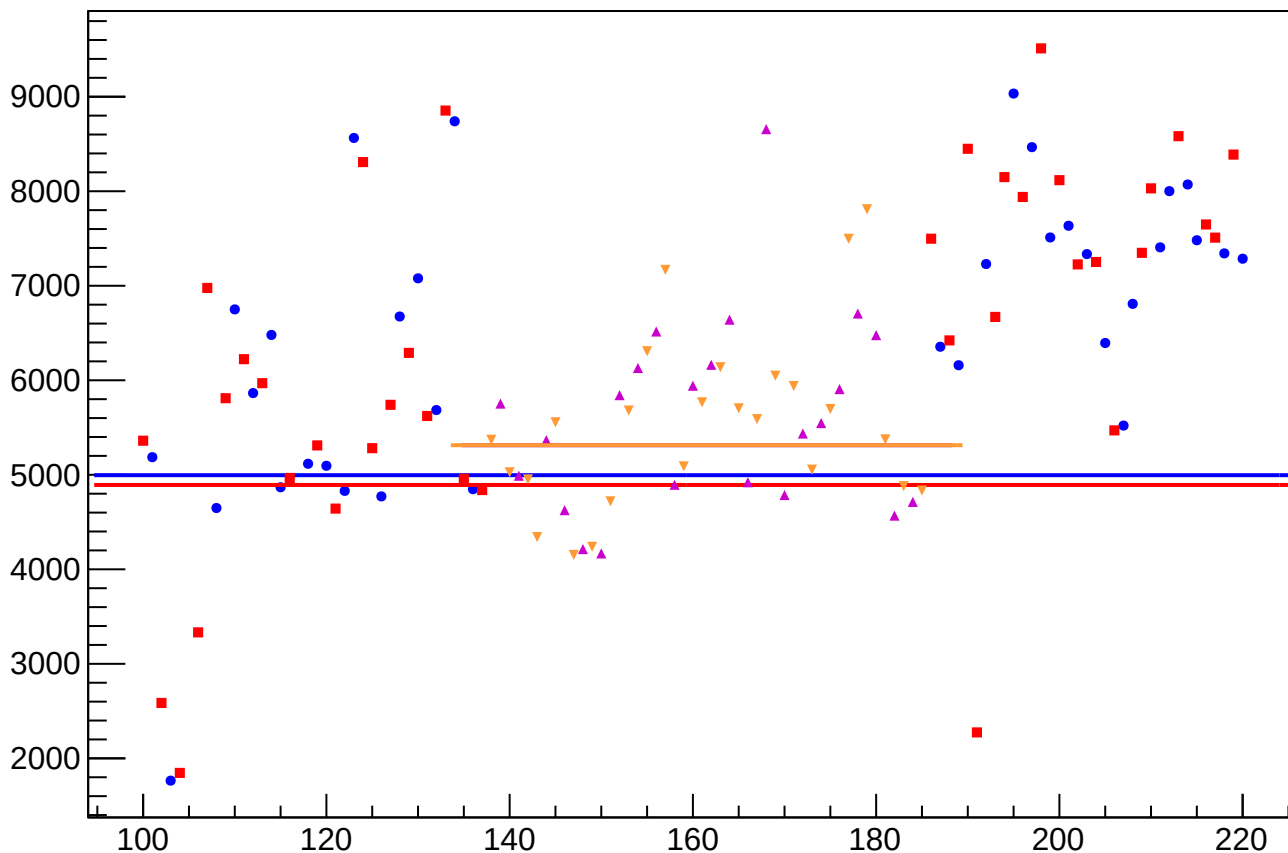
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 855.081+/-893.390 χ^2/NDF : 65.1/58

All: -1165.232+/-633.507 χ^2/NDF : 123.1/118

- sign -3208.534+/-898.459 χ^2/NDF : 47.7/59

asym_atl1r2_avg_rms vs Slug



Right In: 4995.884 ± 0.897 $\chi^2/\text{NDF}: 6712527.6/33$

Left Out: 5313.008 ± 0.890 $\chi^2/\text{NDF}: 894369.8/24$

Right Out: 4892.305 ± 0.880 $\chi^2/\text{NDF}: 7318674.4/36$

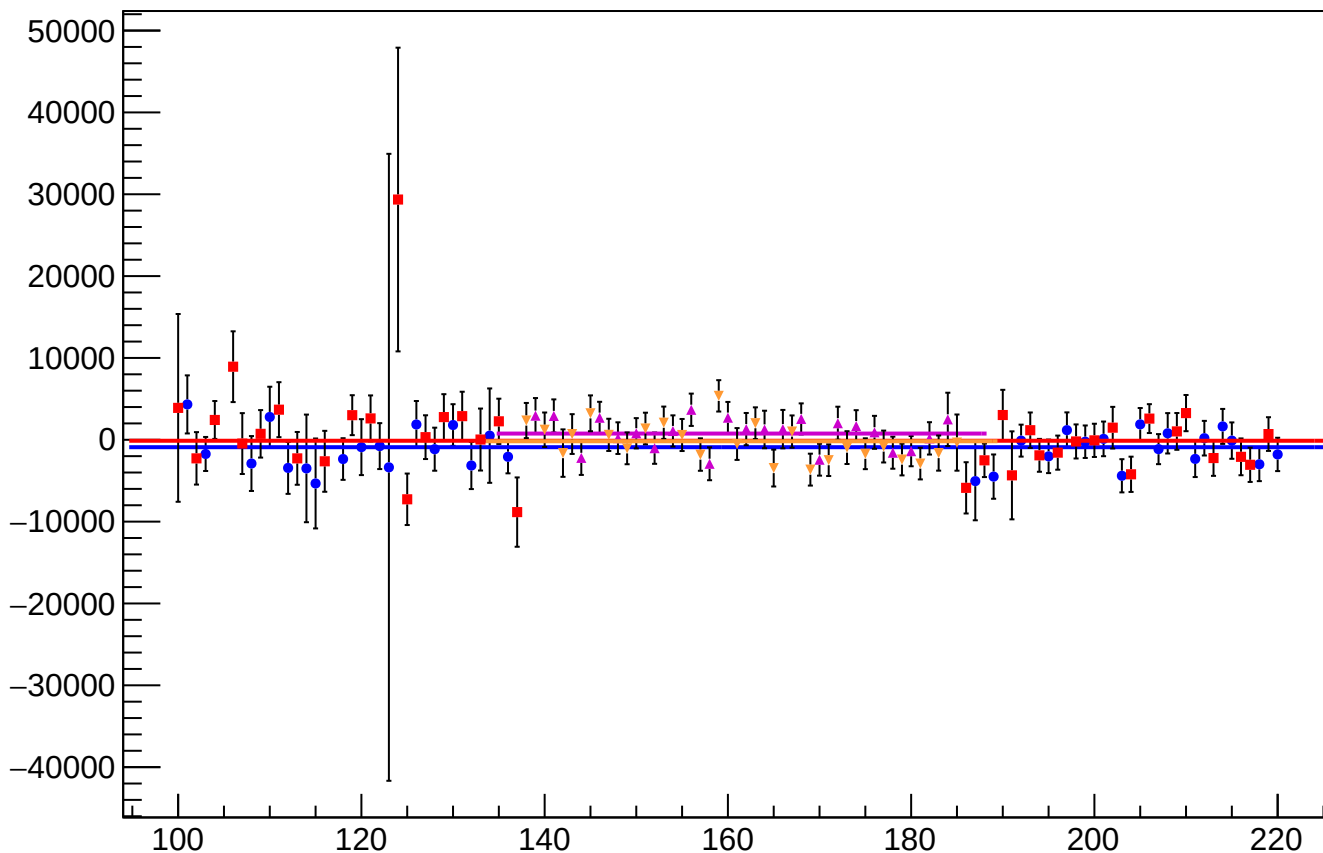
Left In: 5312.861 ± 0.914 $\chi^2/\text{NDF}: 957400.7/22$

+ sign 5155.752 ± 0.632 $\chi^2/\text{NDF}: 7669893.9/58$

All: 5125.348 ± 0.447 $\chi^2/\text{NDF}: 16060477.1/100$

- sign 5094.726 ± 0.634 $\chi^2/\text{NDF}: 8385933.7/59$

reg_asym_atl1r2_dd_mean vs Slug



Right In: -905.771 ± 427.825 χ^2/NDF : 21.6/33

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -118.746 ± 428.741 χ^2/NDF : 46.6/36

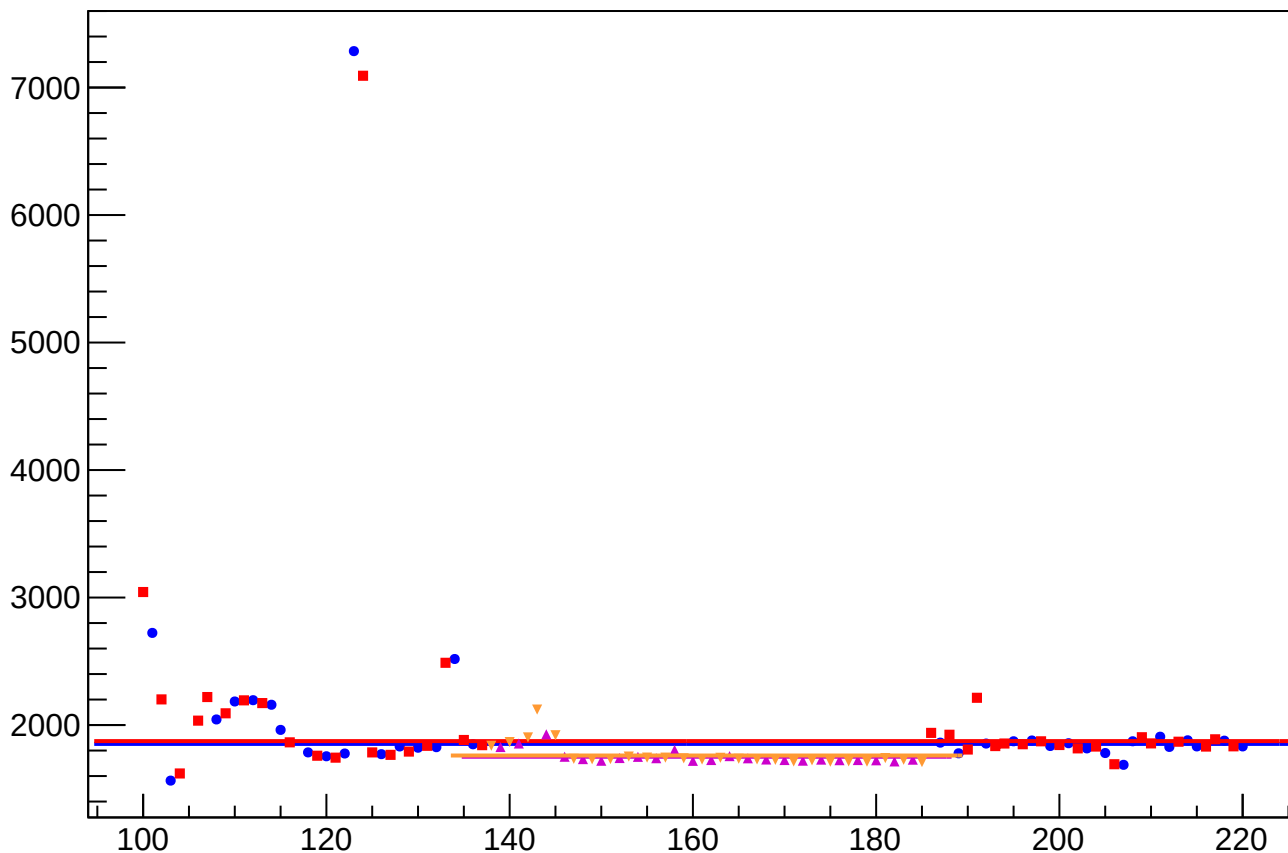
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -528.206 ± 296.382 χ^2/NDF : 52.4/58

All: -104.473 ± 210.839 χ^2/NDF : 125.6/118

- sign 329.650 ± 299.993 χ^2/NDF : 69.0/59

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1852.088 $\pm$ 0.303 χ^2 /NDF: 307572.8/33

Left Out: 1761.091 $\pm$ 0.291 χ^2 /NDF: 77468.5/24

Right Out: 1874.059 $\pm$ 0.303 χ^2 /NDF: 396562.2/36

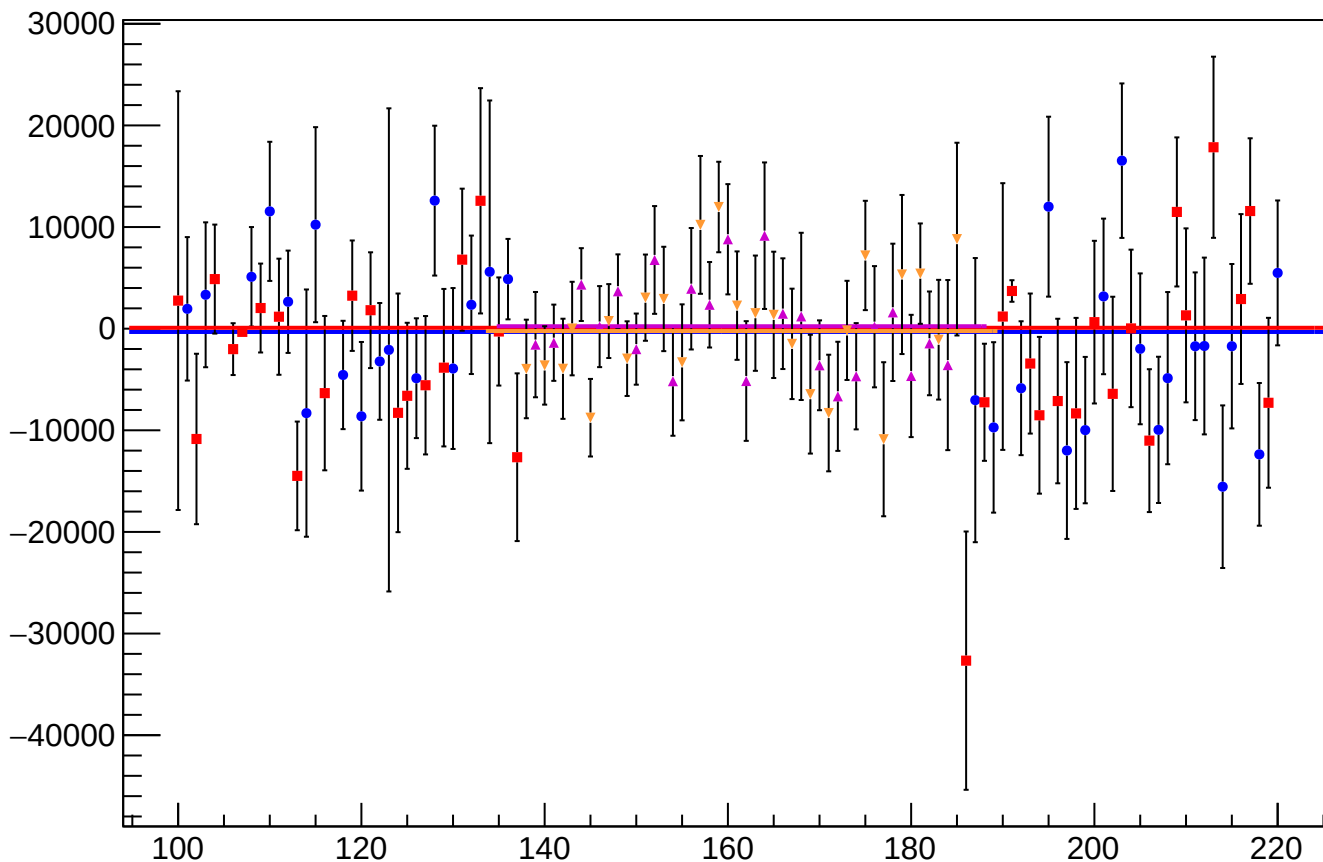
Left In: 1751.418 $\pm$ 0.297 χ^2 /NDF: 28578.7/22

+ sign 1804.762 $\pm$ 0.210 χ^2 /NDF: 432097.9/58

All: 1808.088 $\pm$ 0.149 χ^2 /NDF: 941322.3/118

- sign 1811.494 $\pm$ 0.212 χ^2 /NDF: 508714.6/59

asym_atl1r2_dd_correction_mean vs Slug



Right In: -325.175 ± 1217.765 χ^2/NDF : 37.0/33

Left Out: -235.806 ± 1005.144 χ^2/NDF : 28.9/24

Right Out: 87.452 ± 407.907 χ^2/NDF : 55.5/36

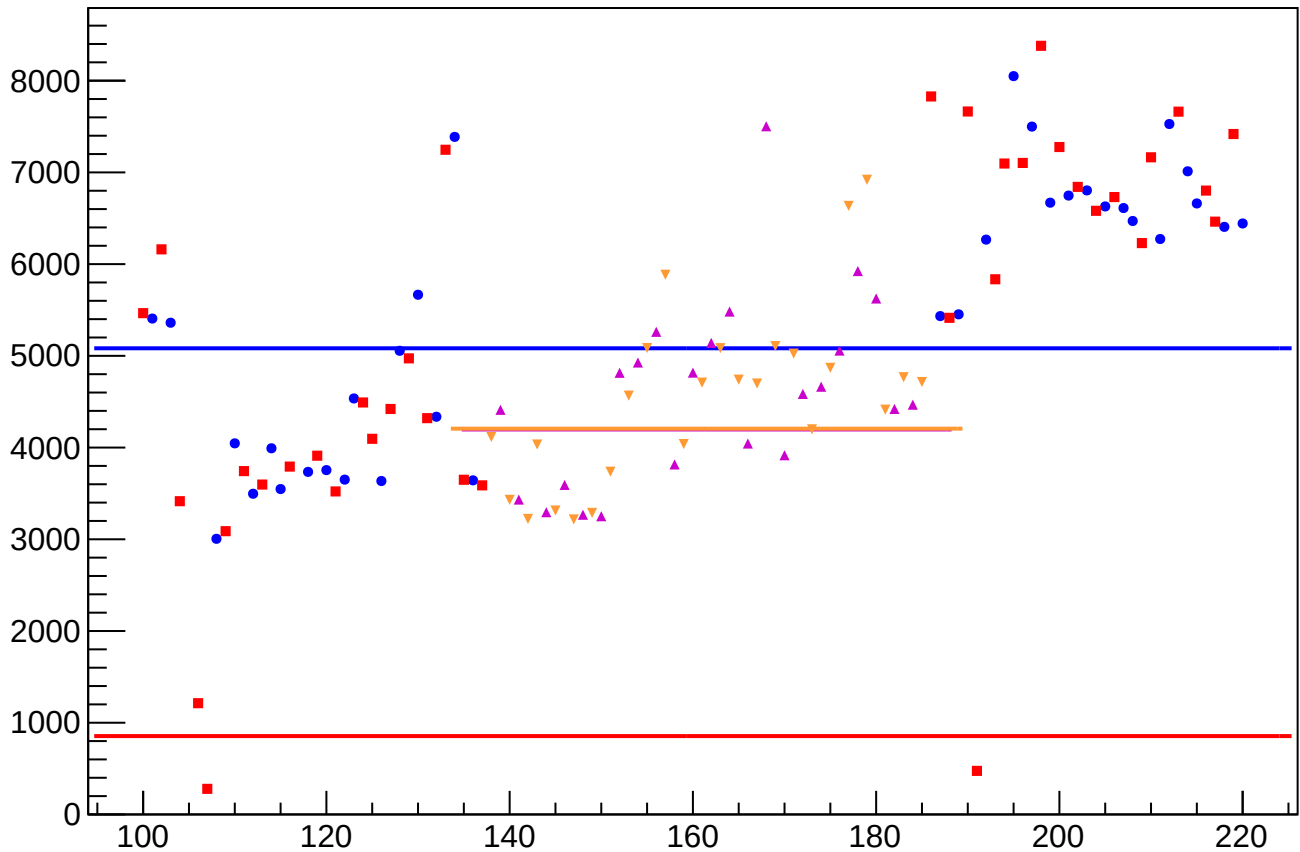
Left In: 239.224 ± 1028.883 χ^2/NDF : 15.3/22

+ sign -272.019 ± 775.189 χ^2/NDF : 65.8/58

All: 34.680 ± 340.625 χ^2/NDF : 136.9/118

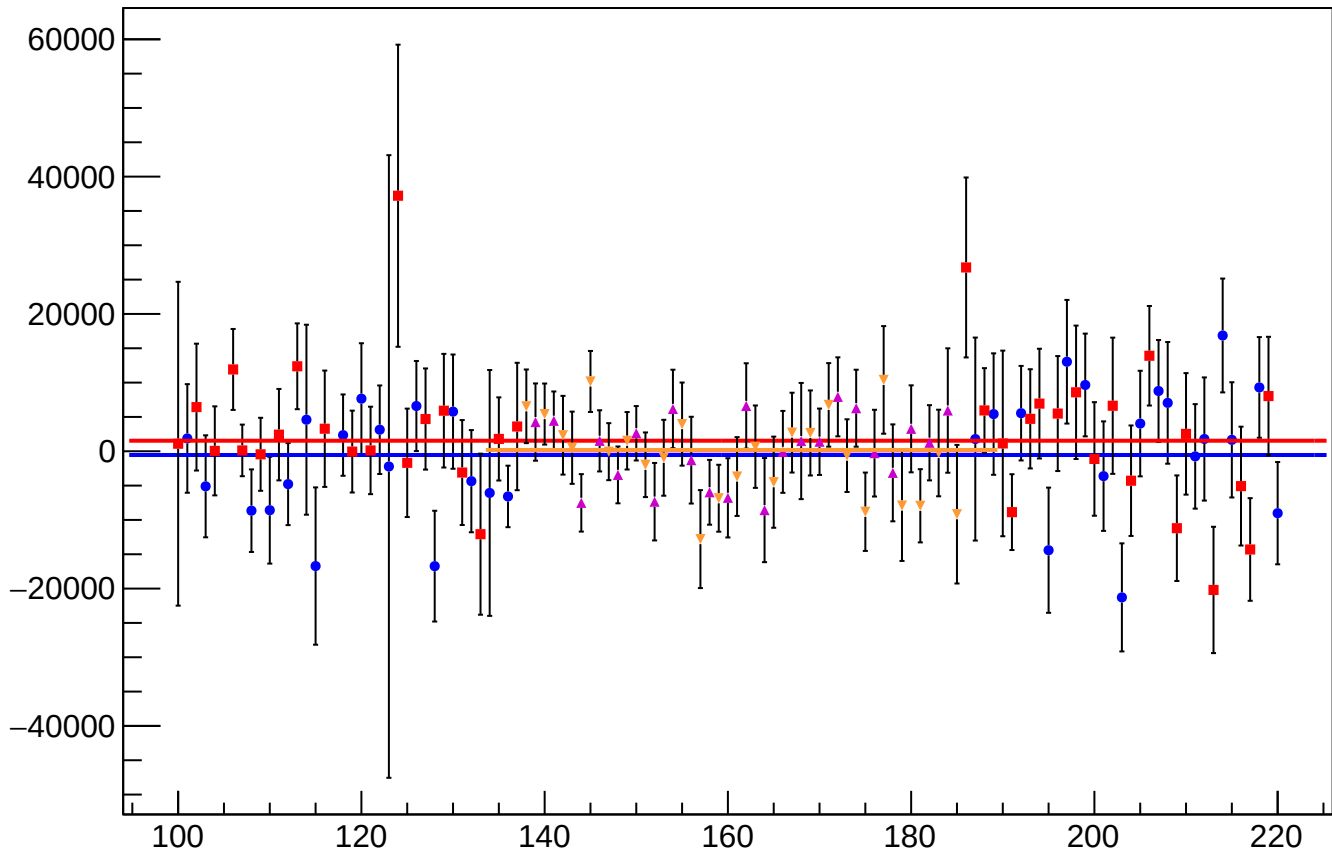
- sign 108.067 ± 379.194 χ^2/NDF : 70.8/59

asym_atl1r2_dd_correction_rms vs Slug



Right In: 5082.393+/-0.861	χ^2/NDF : 2977845.6/33	+ sign 4561.175+/-0.548	χ^2/NDF : 5036119.4/58
Left Out: 4206.076+/-0.711	χ^2/NDF : 1442269.3/24	All: 1936.488+/-0.241	χ^2/NDF : 82829199.3/1
Right Out: 854.396+/-0.288	χ^2/NDF : 29662867.7/36	- sign 1308.452+/-0.268	χ^2/NDF : 49378602.6/59
Left In: 4197.267+/-0.728	χ^2/NDF : 1471012.9/22		

asym_atl1r2_dd_mean vs Slug



Right In: -544.247+/-1327.970 χ^2/NDF : 40.7/33

Left Out: 189.721+/-1106.851 χ^2/NDF : 25.0/24

Right Out: 1536.192+/-1215.174 χ^2/NDF : 38.9/36

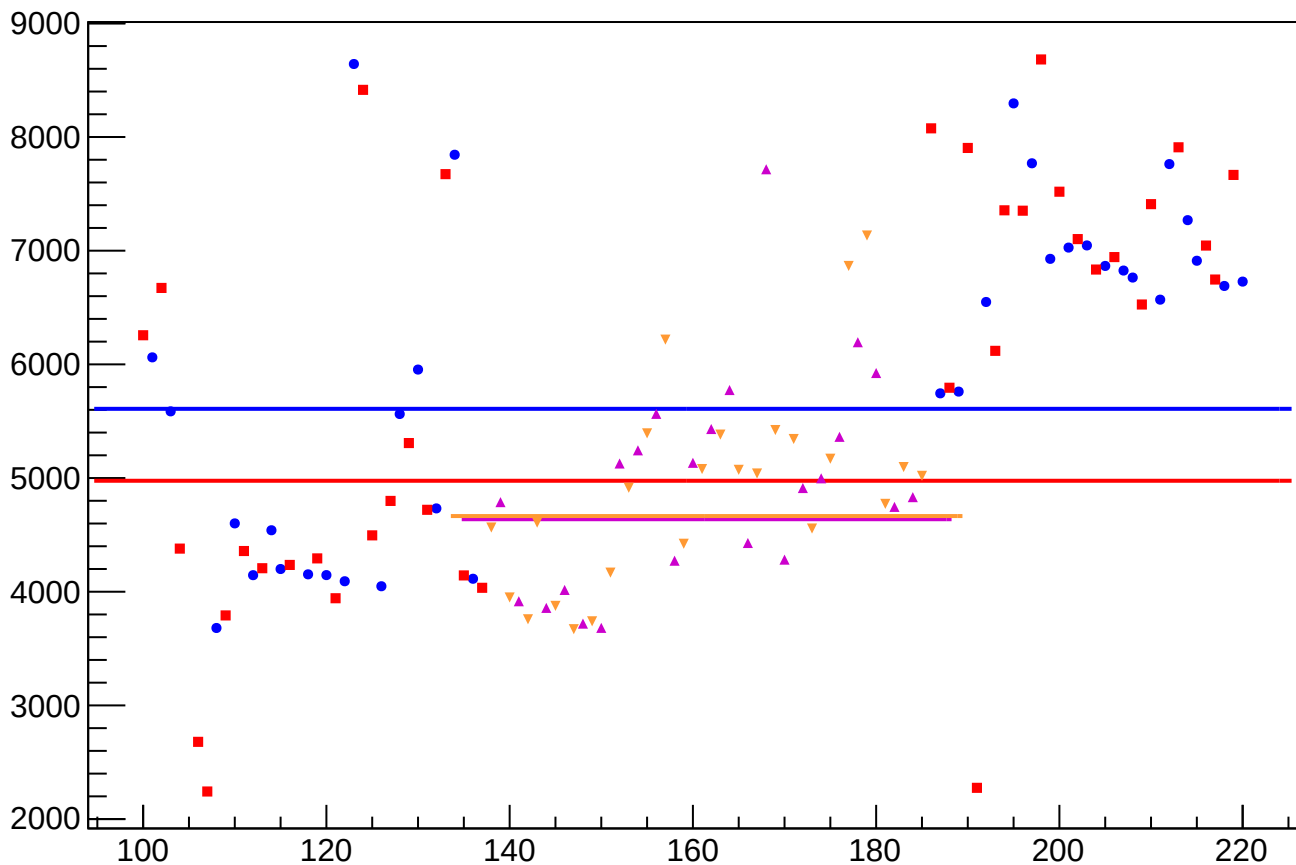
Left In: 137.477+/-1129.656 χ^2/NDF : 18.6/22

+ sign -111.153+/-850.241 χ^2/NDF : 65.8/58

All: 349.595+/-592.960 χ^2/NDF : 124.6/118

- sign 785.890+/-827.370 χ^2/NDF : 58.2/59

asym_atl1r2_dd_rms vs Slug



Right In: 5608.908 $\pm$ 0.939 χ^2 /NDF: 2136476.8/33

Left Out: 4665.620 $\pm$ 0.783 χ^2 /NDF: 1017235.0/24

Right Out: 4976.127 $\pm$ 0.856 χ^2 /NDF: 4765989.1/36

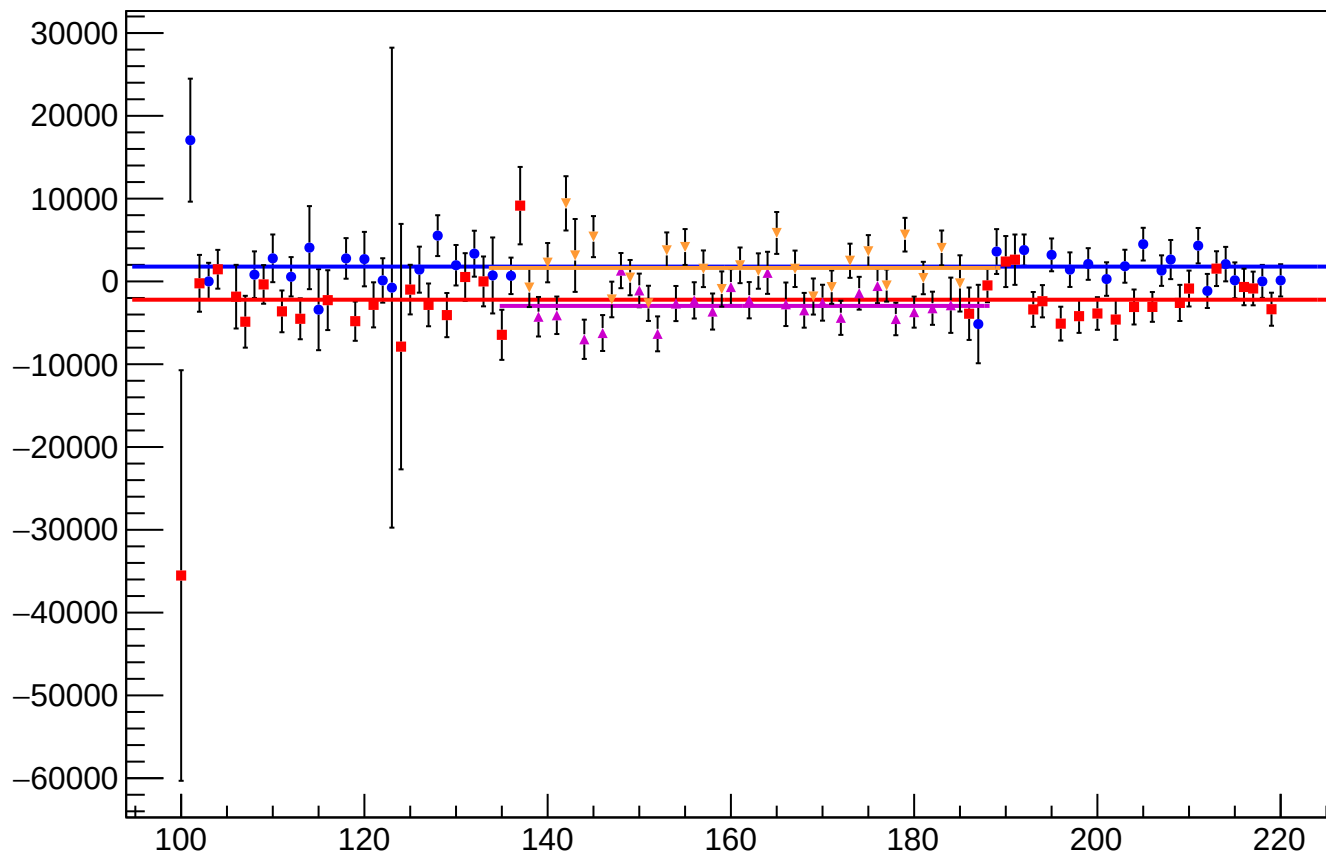
Left In: 4637.777 $\pm$ 0.799 χ^2 /NDF: 1065217.2/22

+ sign 5052.300 $\pm$ 0.601 χ^2 /NDF: 3749164.9/58

All: 4920.055 $\pm$ 0.419 χ^2 /NDF: 9757925.7/11

- sign 4795.273 $\pm$ 0.584 χ^2 /NDF: 5914722.4/59

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1790.008 ± 414.316 χ^2/NDF : 22.8/33

Left Out: 1630.035 ± 447.063 χ^2/NDF : 35.4/24

Right Out: -2208.883 ± 409.636 χ^2/NDF : 34.6/36

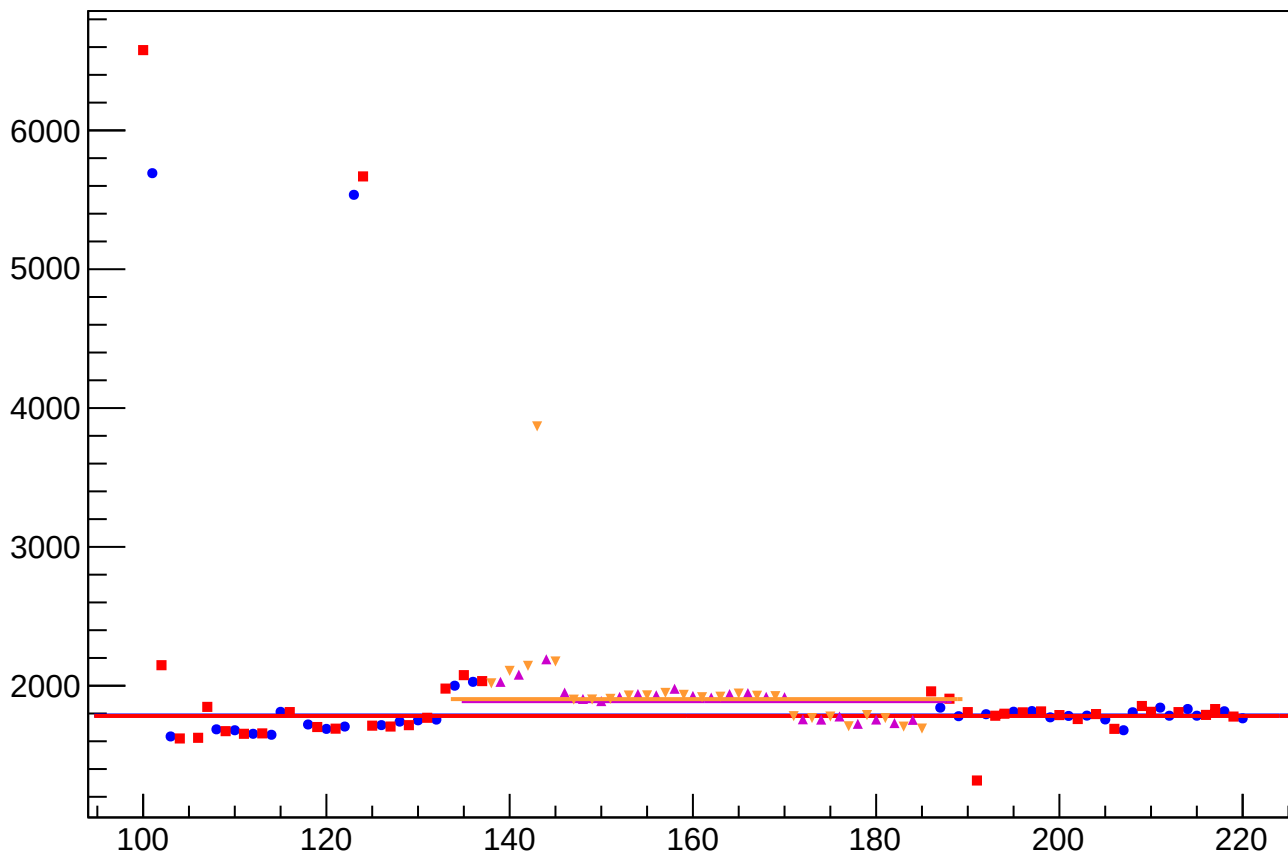
Left In: -2958.620 ± 453.688 χ^2/NDF : 20.4/22

+ sign 1716.094 ± 303.884 χ^2/NDF : 58.3/58

All: -413.650 ± 214.934 χ^2/NDF : 213.1/118

- sign -2545.594 ± 304.041 χ^2/NDF : 56.5/59

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1785.701+/-0.293 χ^2/NDF : 656277.6/33

Left Out: 1903.618+/-0.316 χ^2/NDF : 541575.7/24

Right Out: 1782.349+/-0.289 χ^2/NDF : 378336.8/36

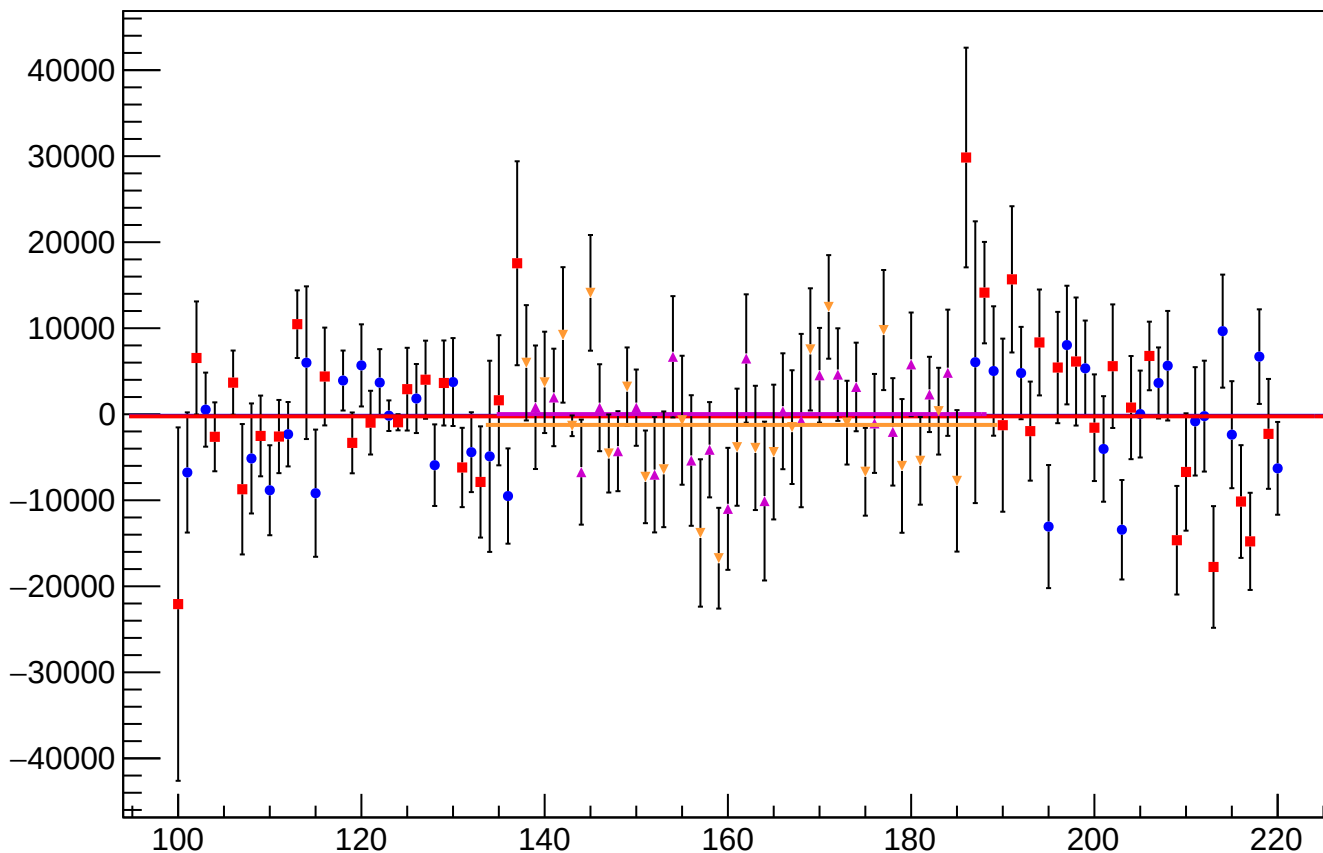
Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

+ sign 1840.183+/-0.215 χ^2/NDF : 1272705.0/58

All: 1835.129+/-0.152 χ^2/NDF : 1839501.6/11

- sign 1830.083+/-0.215 χ^2/NDF : 565691.1/59

asym_atr1l2_avg_correction_mean vs Slug



Right In: -181.629 ± 829.833 χ^2/NDF : 36.3/33

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: -244.576 ± 654.148 χ^2/NDF : 65.8/36

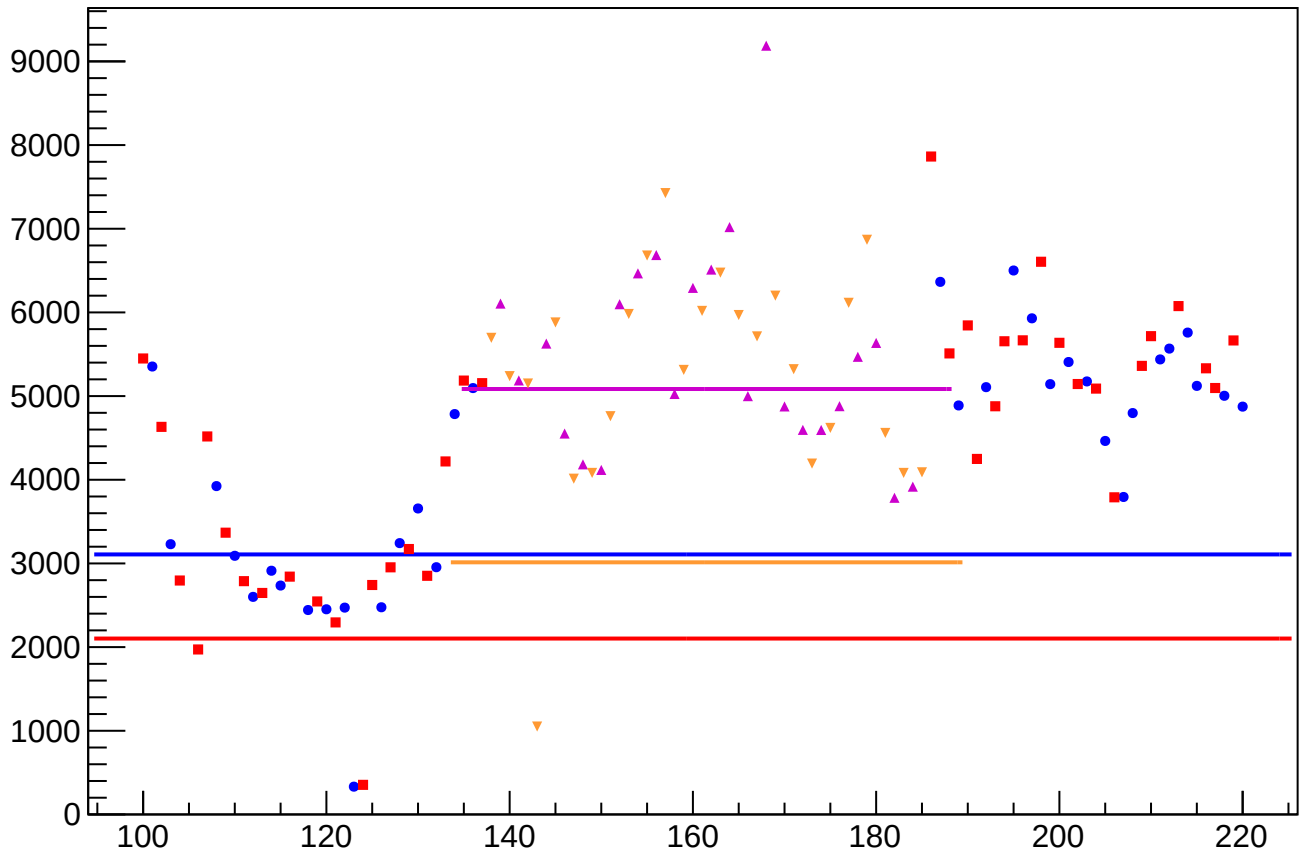
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -688.660 ± 598.894 χ^2/NDF : 71.0/58

All: -429.897 ± 416.237 χ^2/NDF : 150.4/118

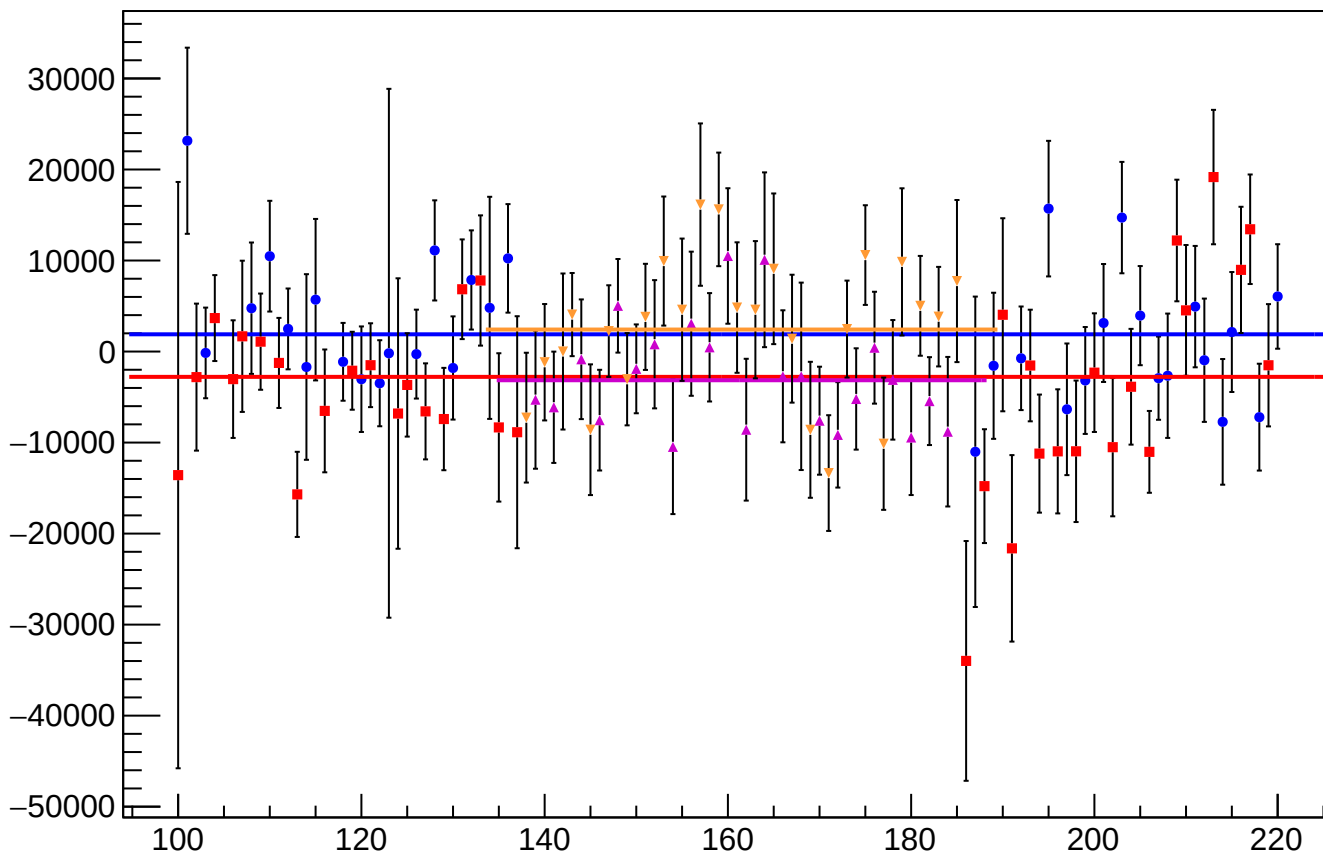
- sign -188.113 ± 578.912 χ^2/NDF : 79.1/59

asym_atr1l2_avg_correction_rms vs Slug



Right In: 3107.663 $\pm$ 0.587	χ^2 /NDF: 9650473.4/33	+ sign 3062.435 $\pm$ 0.423	χ^2 /NDF: 21933626.9/58
Left Out: 3013.268 $\pm$ 0.612	χ^2 /NDF: 12270753.9/24	All: 2900.329 $\pm$ 0.294	χ^2 /NDF: 50587773.5/1
Right Out: 2102.282 $\pm$ 0.463	χ^2 /NDF: 18054328.0/36	- sign 2748.861 $\pm$ 0.409	χ^2 /NDF: 28370702.9/59
Left In: 5084.645 $\pm$ 0.879	χ^2 /NDF: 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 1894.073+/-1059.185 χ^2/NDF : 34.0/33

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -2781.594+/-1050.069 χ^2/NDF : 65.1/36

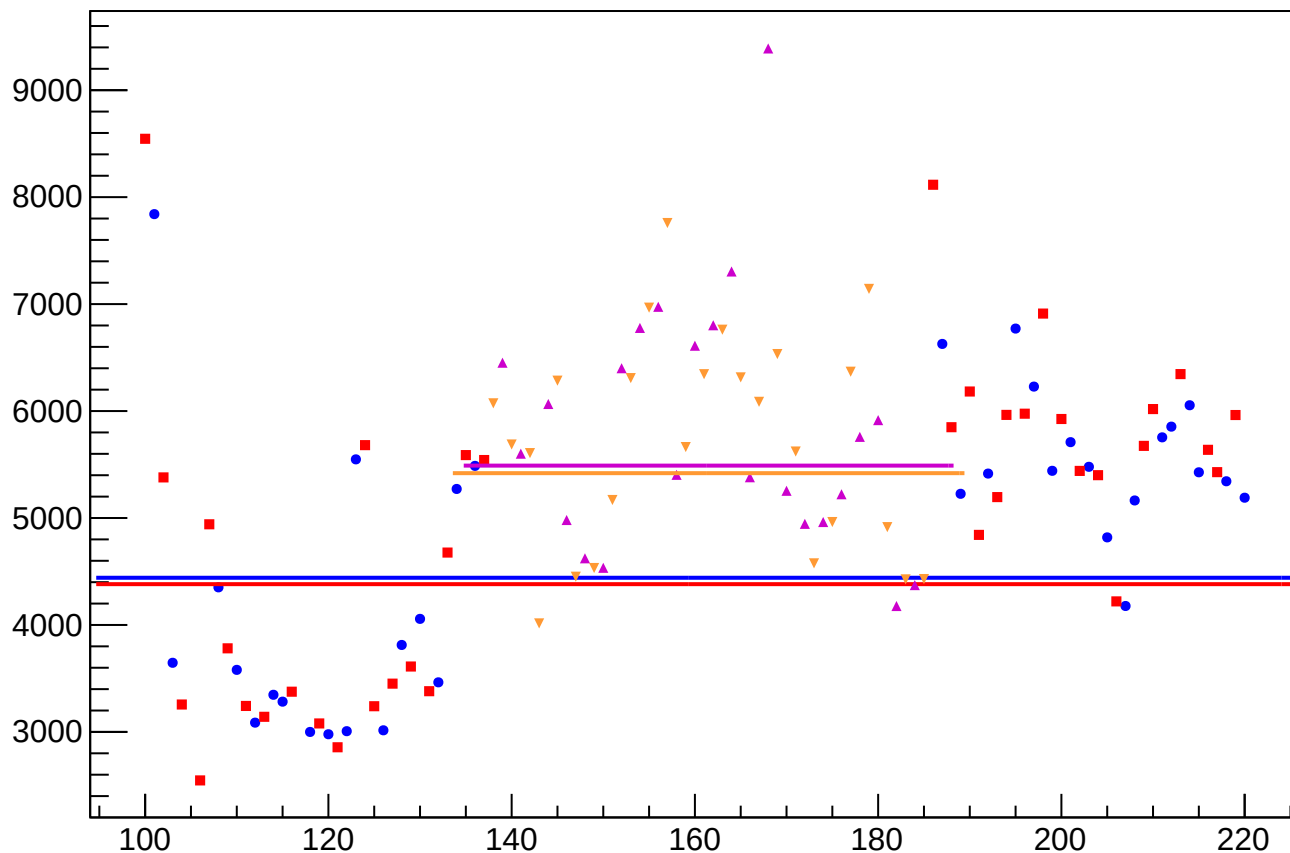
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2105.421+/-817.701 χ^2/NDF : 64.0/58

All: -383.889+/-581.082 χ^2/NDF : 163.3/118

- sign -2923.411+/-825.907 χ^2/NDF : 80.6/59

asym_atr1l2_avg_rms vs Slug



Right In: 4441.398+/-0.749 χ^2/NDF : 2497725.8/33

Left Out: 5419.305+/-0.910 χ^2/NDF :1109972.1/24

Right Out: 4381.550+/-0.736 χ^2/NDF : 3066813.0/36

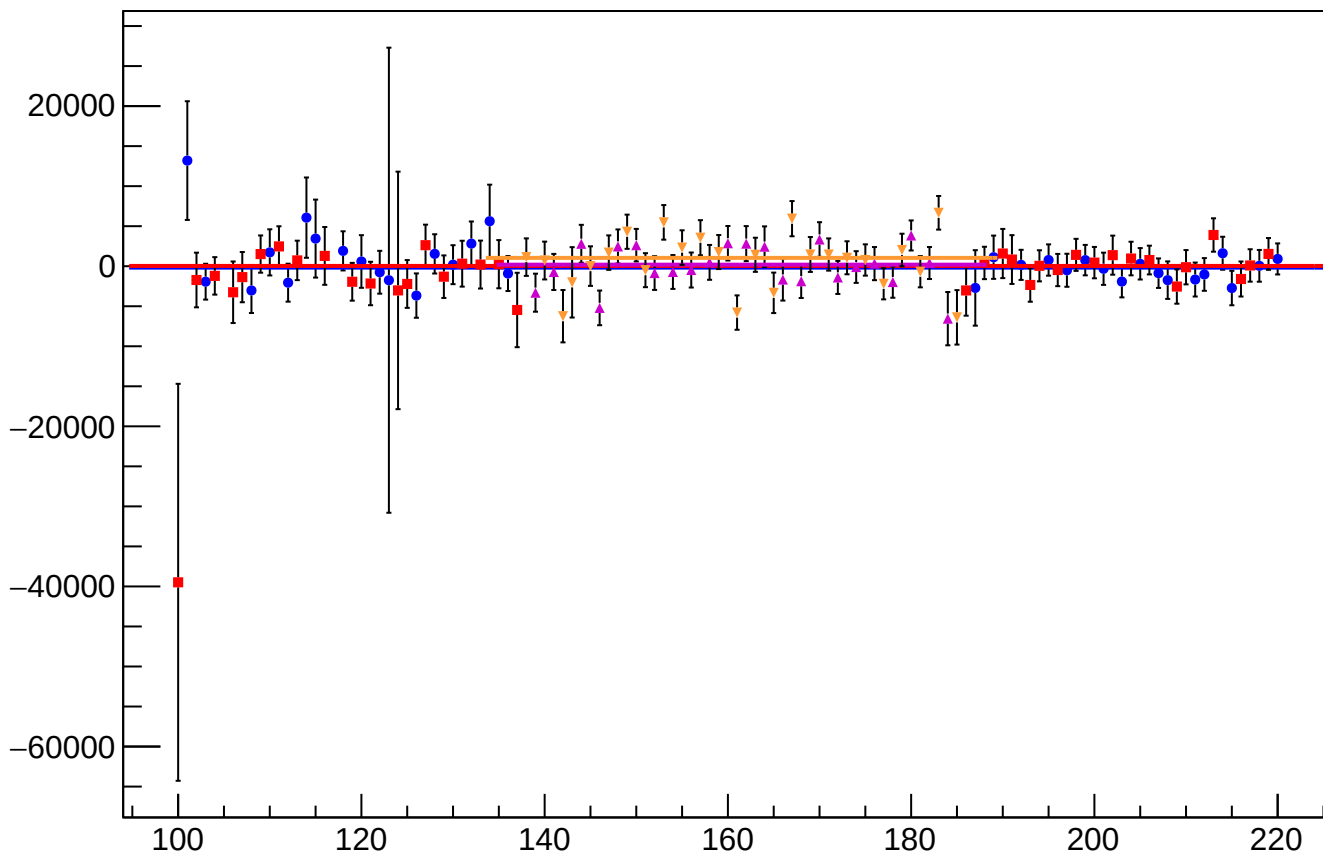
Left In: 5489.885+/-0.946 χ^2/NDF :1064353.3/22

+ sign 4836.471+/-0.578 χ^2/NDF : 4296453.4/58

All: 4818.316+/-0.410 χ^2/NDF : 9284630.3/11

- sign 4799.982+/-0.581 χ^2/NDF : 4986195.4/59

reg_asym_atr1l2_dd_mean vs Slug



Right In: -174.895+/-412.083 χ^2/NDF : 19.5/33

Left Out: 1041.262+/-446.249 χ^2/NDF : 48.6/24

Right Out: 35.406+/-407.411 χ^2/NDF : 20.1/36

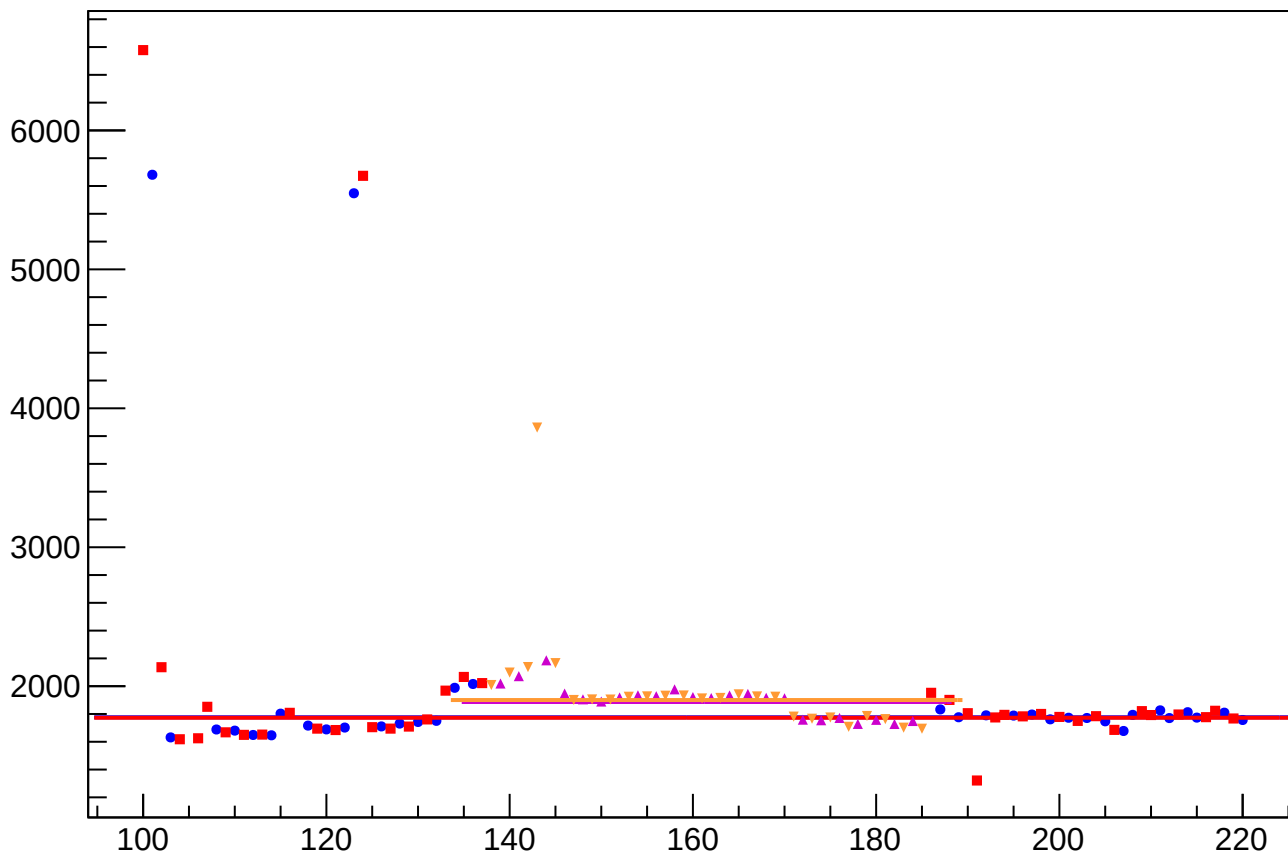
Left In: 191.966+/-453.055 χ^2/NDF : 30.0/22

+ sign 384.850+/-302.746 χ^2/NDF : 72.1/58

All: 245.216+/-214.142 χ^2/NDF : 122.7/118

- sign 105.405+/-302.939 χ^2/NDF : 50.1/59

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.209 $\pm$ 0.291 χ^2 /NDF: 652587.9/33

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1772.915 $\pm$ 0.287 χ^2 /NDF: 372879.1/36

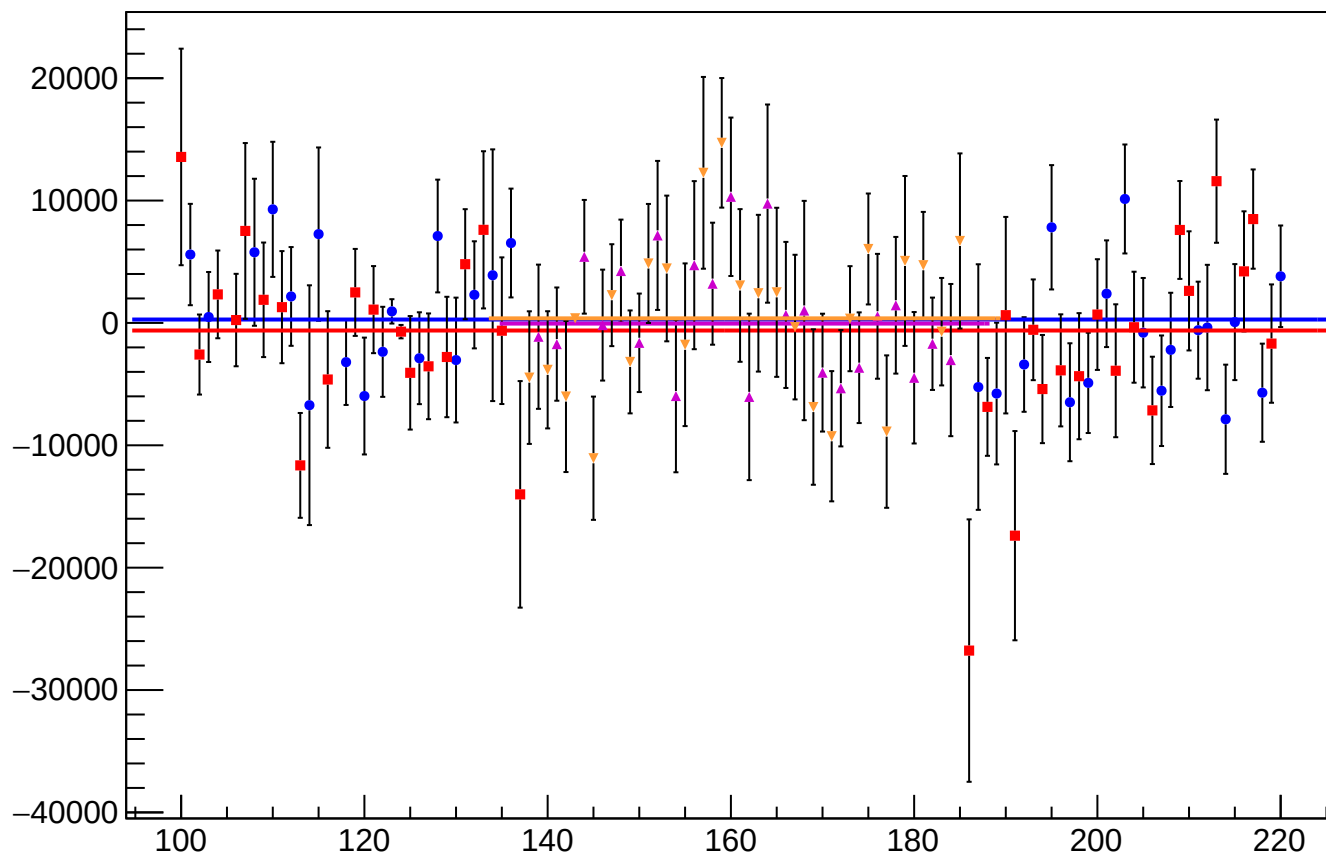
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1833.320 $\pm$ 0.214 χ^2 /NDF: 1273945.2/58

All: 1828.410 $\pm$ 0.151 χ^2 /NDF: 1840903.0/11

- sign 1823.507 $\pm$ 0.214 χ^2 /NDF: 565906.4/59

asym_atr1l2_dd_correction_mean vs Slug



Right In: 278.370 $\pm$ 623.202 χ^2 /NDF: 37.7/33

Left Out: 373.277 $\pm$ 382.071 χ^2 /NDF:30.8/24

Right Out: -619.462 $\pm$ 448.880 χ^2 /NDF: 53.7/36

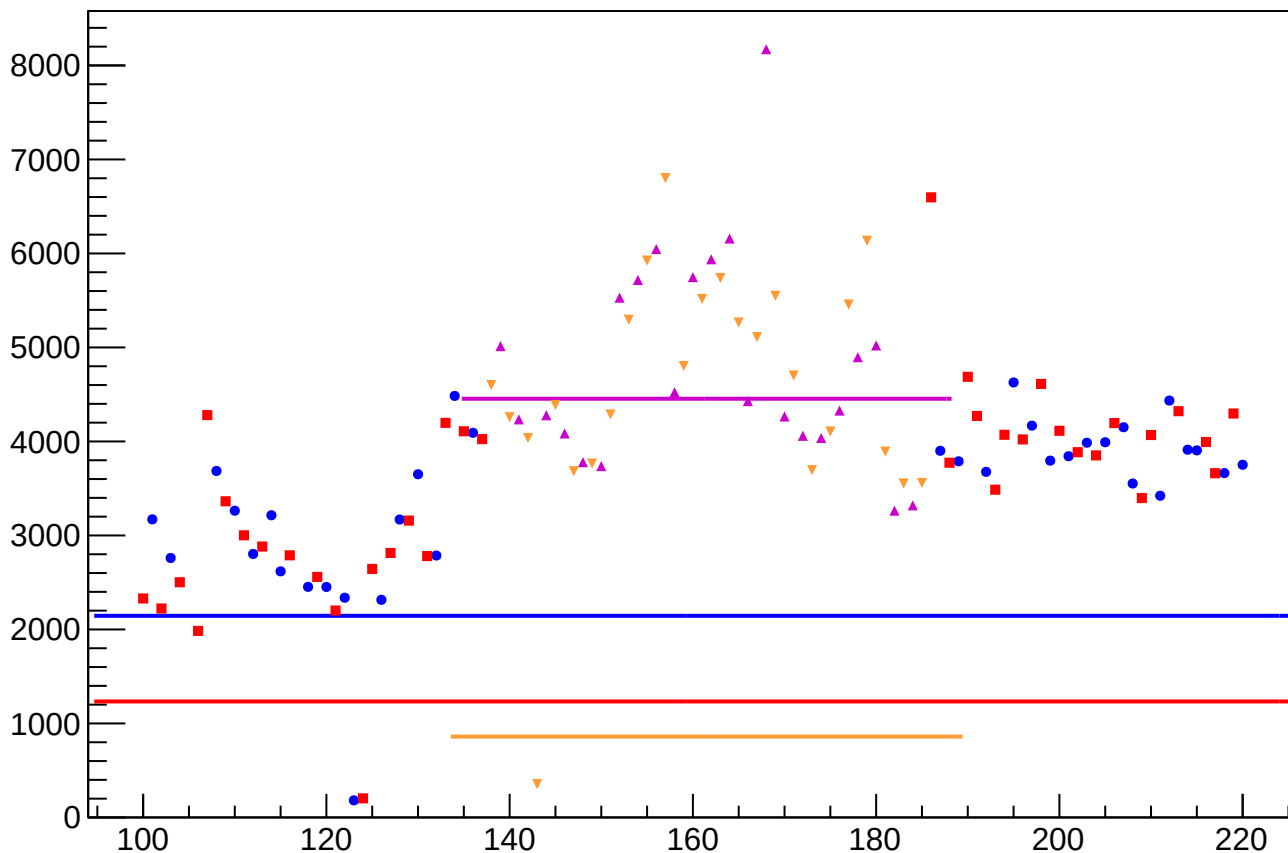
Left In: -53.099 $\pm$ 1089.888 χ^2 /NDF:14.5/22

+ sign 347.350 $\pm$ 325.729 χ^2 /NDF: 68.5/58

All: 10.161 $\pm$ 256.243 χ^2 /NDF: 139.8/118

- sign -537.324 $\pm$ 415.056 χ^2 /NDF: 68.5/59

asym_atr1l2_dd_correction_rms vs Slug



Right In: 2145.276+/-0.441 χ^2 /NDF: 14131001.1/33

Left Out: 860.545+/-0.270 χ^2 /NDF: 26340106.5/24

Right Out: 1233.984+/-0.317 χ^2 /NDF: 23610248.0/36

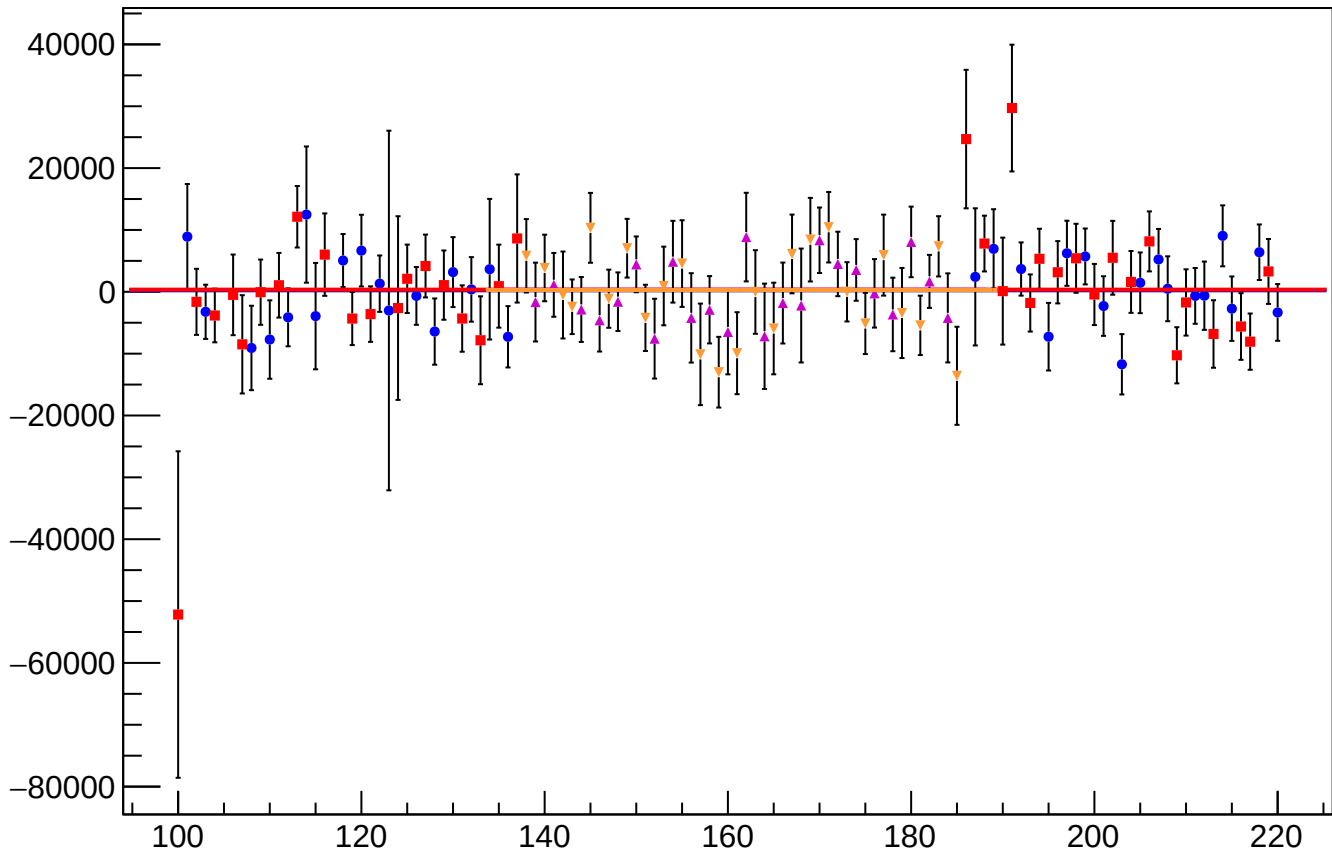
Left In: 4454.402+/-0.771 χ^2 /NDF: 1349758.1/22

+ sign 1211.513+/-0.230 χ^2 /NDF: 46648714.9/58

All: 1398.090+/-0.181 χ^2 /NDF: 88259804.7/1

- sign 1701.031+/-0.293 χ^2 /NDF: 39889441.8/59

asym_atr1l2_dd_mean vs Slug



Right In: 240.446 $\pm$ 921.954 χ^2 /NDF: 34.1/33

Left Out: 288.508 $\pm$ 1155.419 χ^2 /NDF:32.4/24

Right Out: 350.605 $\pm$ 916.346 χ^2 /NDF: 51.9/36

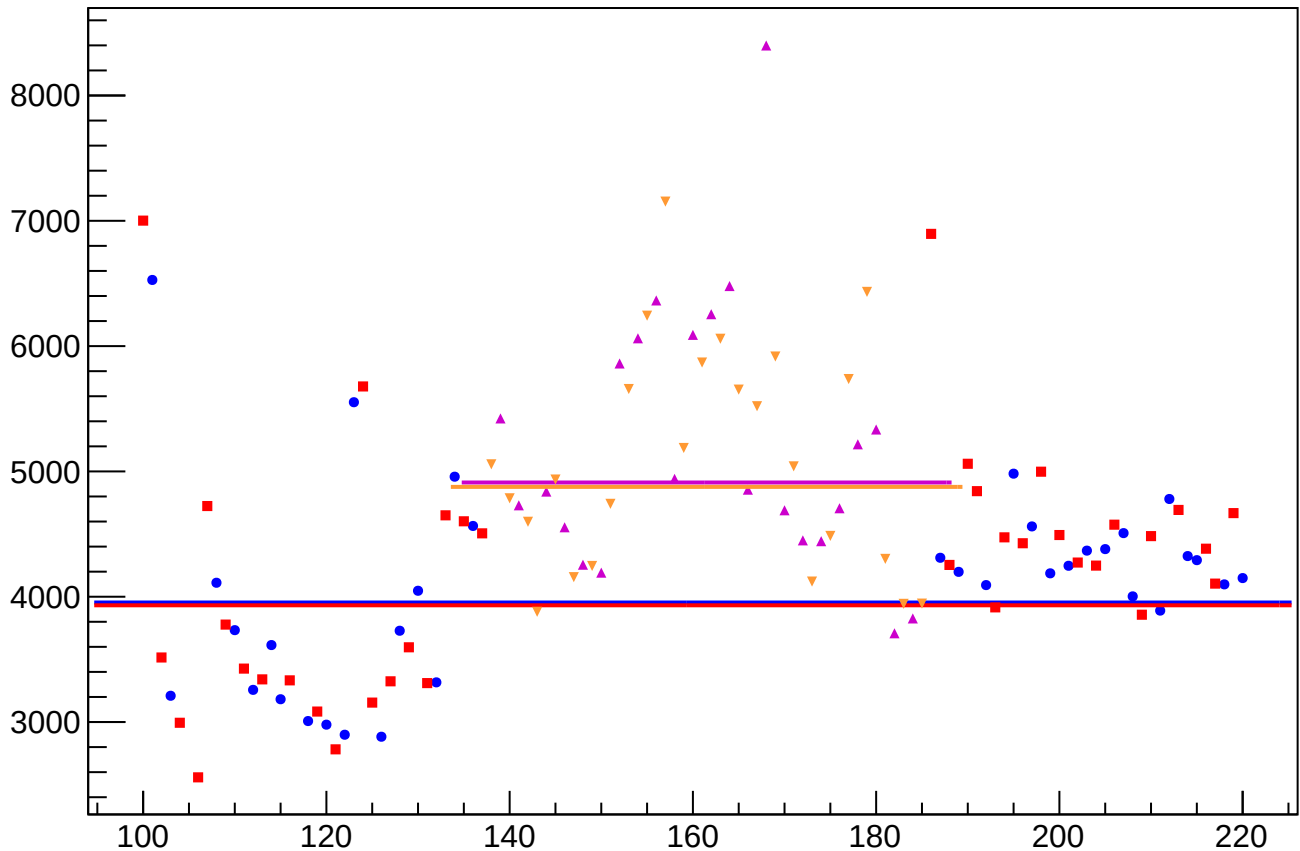
Left In: 332.488 $\pm$ 1196.011 χ^2 /NDF:14.7/22

+ sign 259.143 $\pm$ 720.649 χ^2 /NDF: 66.5/58

All: 301.128 $\pm$ 511.944 χ^2 /NDF: 133.1/118

- sign 343.903 $\pm$ 727.393 χ^2 /NDF: 66.5/59

asym_atr1l2_dd_rms vs Slug



Right In: 3953.805+/-0.652 χ^2/NDF : 1001155.3/33

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3931.581+/-0.644 χ^2/NDF : 1257883.0/36

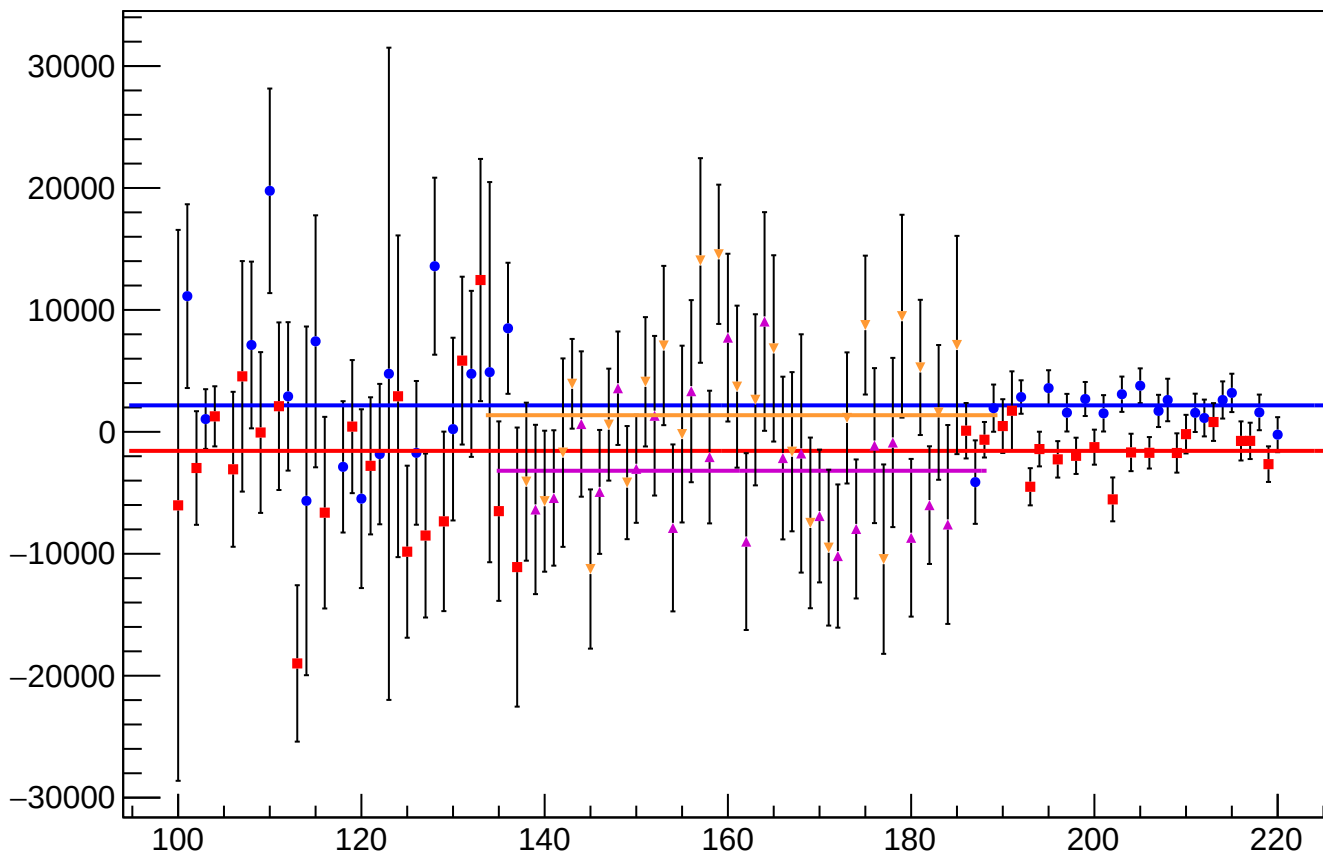
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4312.773+/-0.510 χ^2/NDF : 2753077.4/58

All: 4302.052+/-0.361 χ^2/NDF : 5904967.8/11

- sign 4291.214+/-0.512 χ^2/NDF : 3151000.2/59

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2172.300+/-360.219 χ^2/NDF : 25.1/33

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -1560.058+/-361.755 χ^2/NDF : 33.7/36

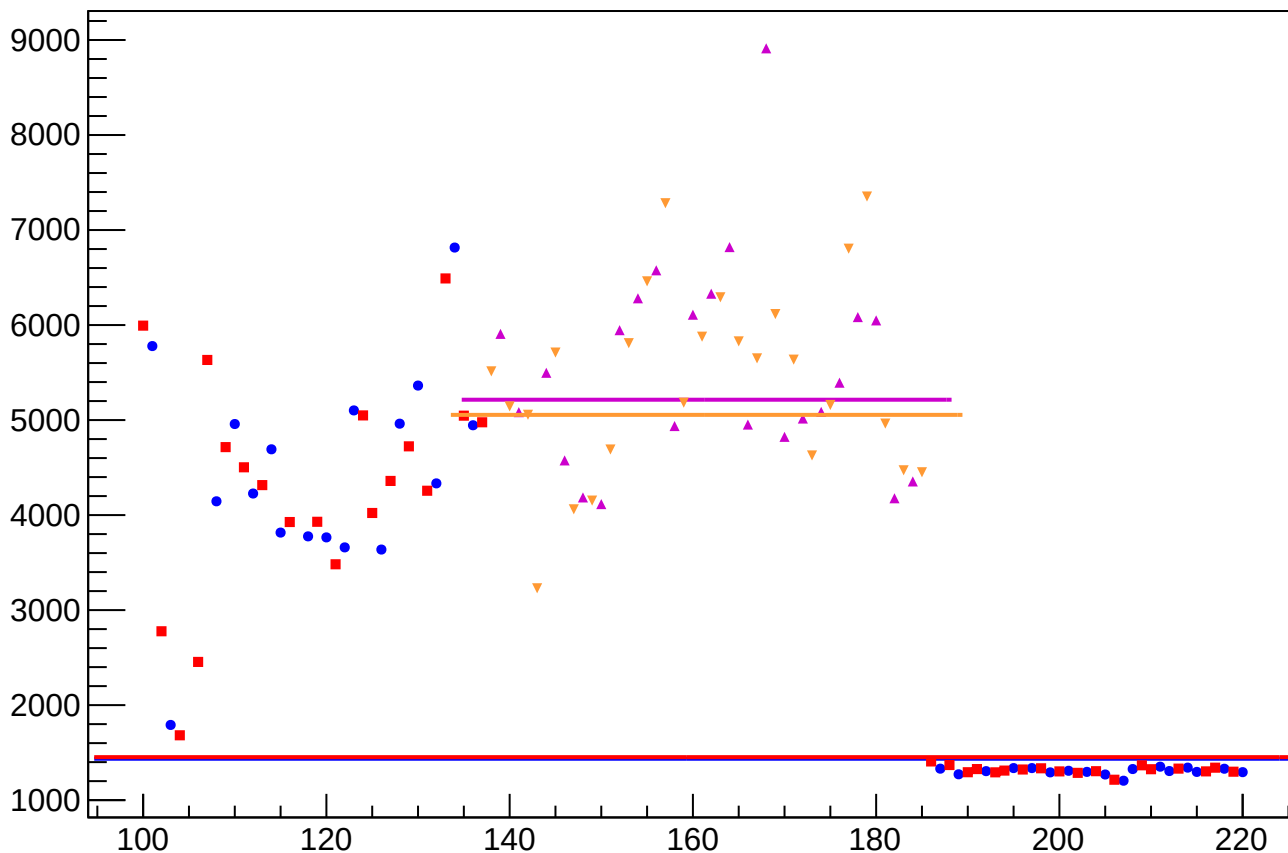
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 2106.210+/-345.158 χ^2/NDF : 53.5/58

All: 226.949+/-245.033 χ^2/NDF : 162.5/118

- sign -1682.465+/-347.916 χ^2/NDF : 49.2/59

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1435.658 $\pm$ 0.255 χ^2 /NDF: 5947663.5/33

Left Out: 5054.711 $\pm$ 0.853 χ^2 /NDF:1437224.7/24

Right Out: 1452.441 $\pm$ 0.256 χ^2 /NDF: 5865792.1/36

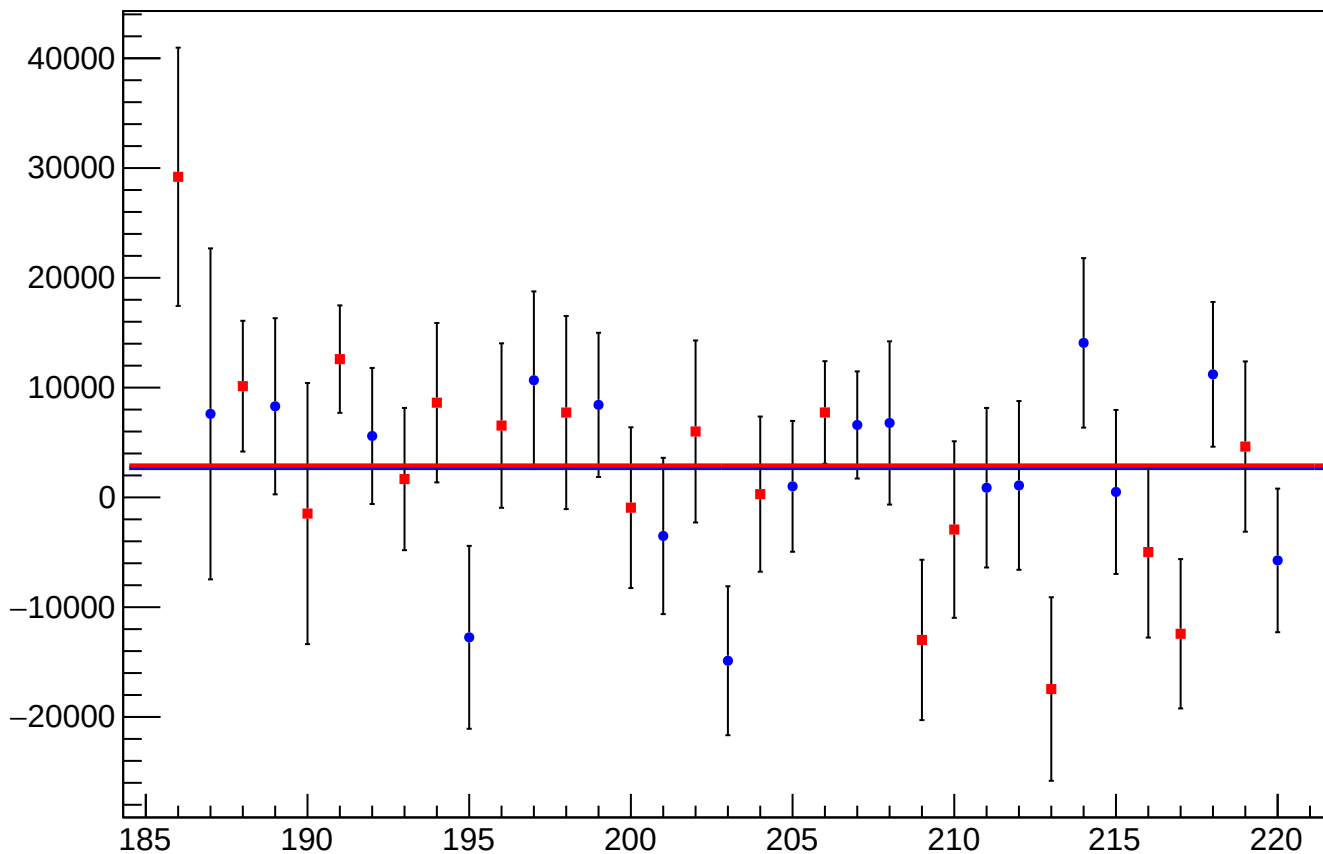
Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF:1052501.5/22

+ sign 1731.965 $\pm$ 0.244 χ^2 /NDF: 23913435.5/58

All: 1733.178 $\pm$ 0.173 χ^2 /NDF: 47062321.4/100

- sign 1734.408 $\pm$ 0.246 χ^2 /NDF: 23148836.2/59

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 2669.096+/-1701.292 χ^2/NDF : 20.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 2916.661+/-1666.491 χ^2/NDF : 30.7/17

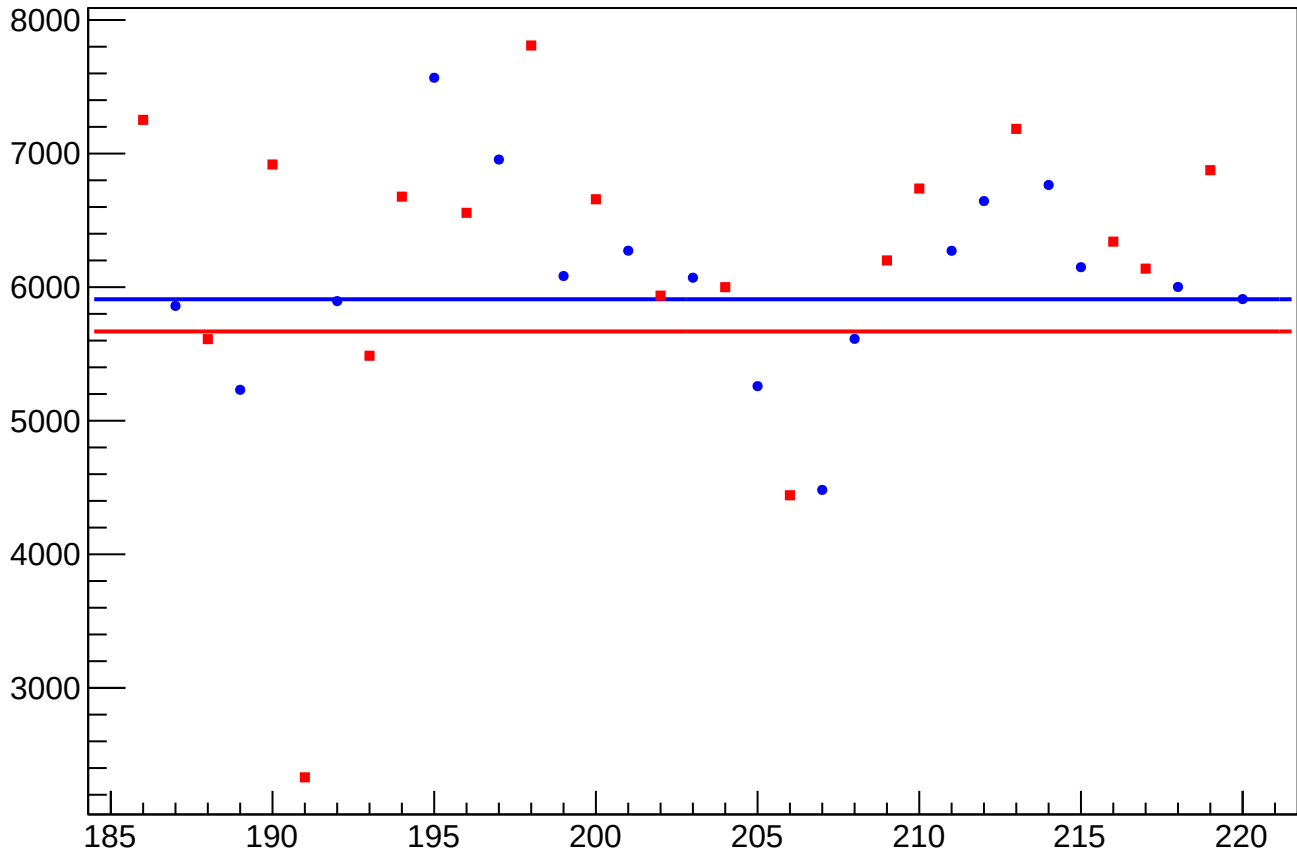
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2795.436+/-1190.500 χ^2/NDF : 50.9/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5909.477+/-1.203 χ^2/NDF : 383079.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

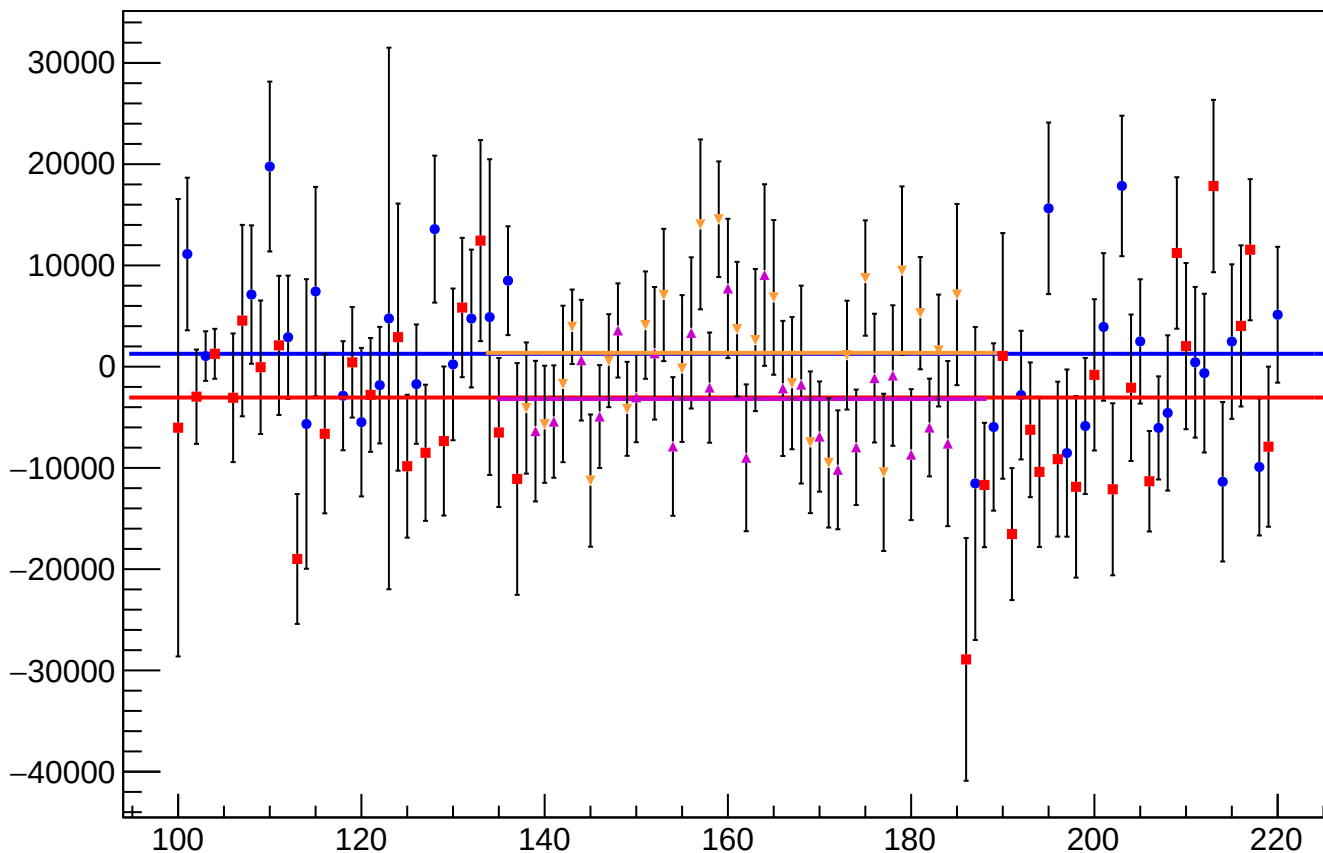
Right Out: 5668.303+/-1.178 χ^2/NDF : 1541309.7/17

All: 5786.398+/-0.842 χ^2/NDF : 1944900.5/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1271.395+/-1118.421 χ^2/NDF : 36.5/33

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -3046.477+/-1086.859 χ^2/NDF : 51.7/36

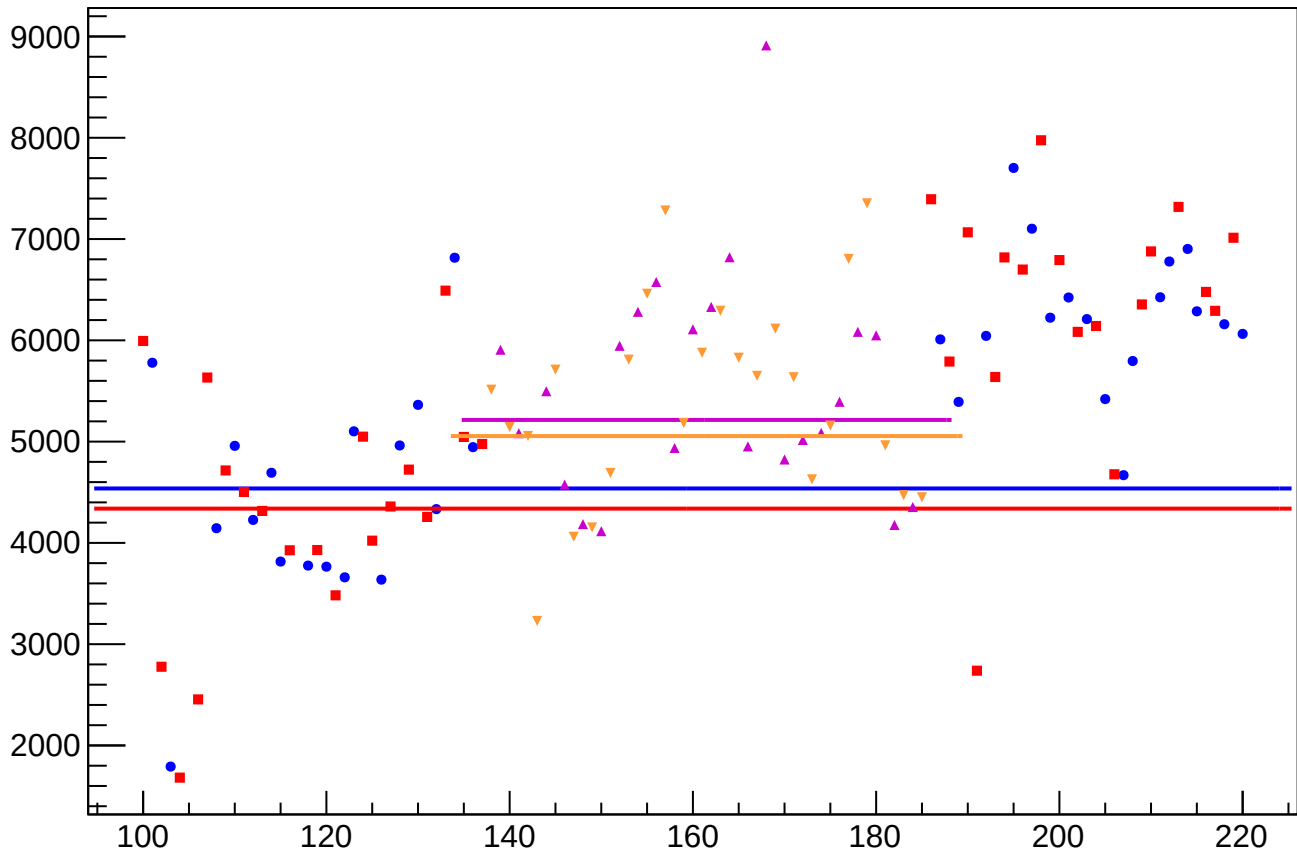
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 1314.703+/-820.143 χ^2/NDF : 64.5/58

All: -881.375+/-581.904 χ^2/NDF : 144.6/118

- sign -3107.642+/-825.761 χ^2/NDF : 65.7/59

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4537.342+/-0.791 χ^2/NDF : 4732034.5/33

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

+ sign 4776.500+/-0.580 χ^2/NDF : 6367100.9/58

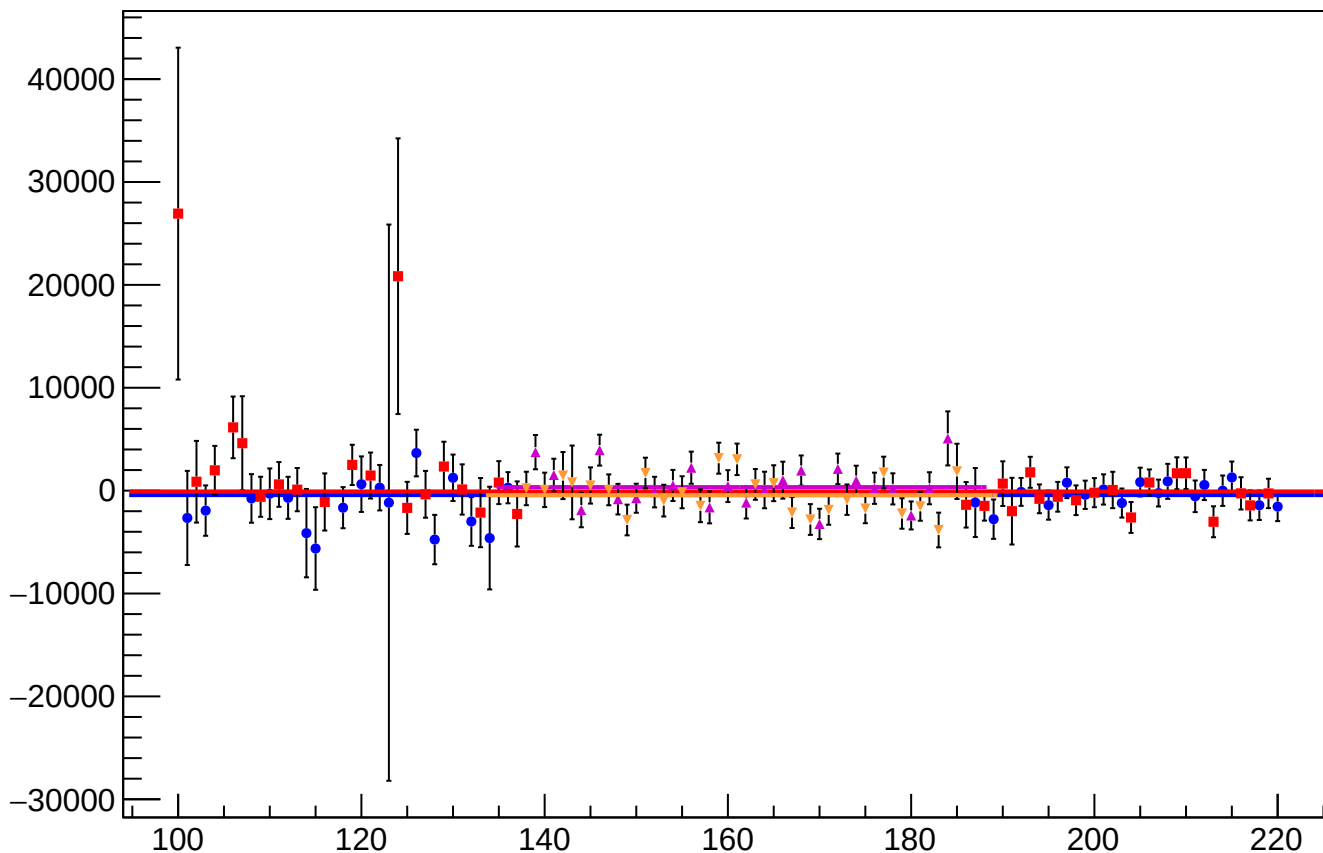
Right Out: 4338.425+/-0.764 χ^2/NDF : 5872153.3/36

All: 4741.467+/-0.411 χ^2/NDF : 13850609.0/1

Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

- sign 4706.186+/-0.582 χ^2/NDF : 7476183.6/59

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -436.024 ± 312.078 χ^2/NDF : 20.3/33

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: -77.915 ± 312.531 χ^2/NDF : 31.1/36

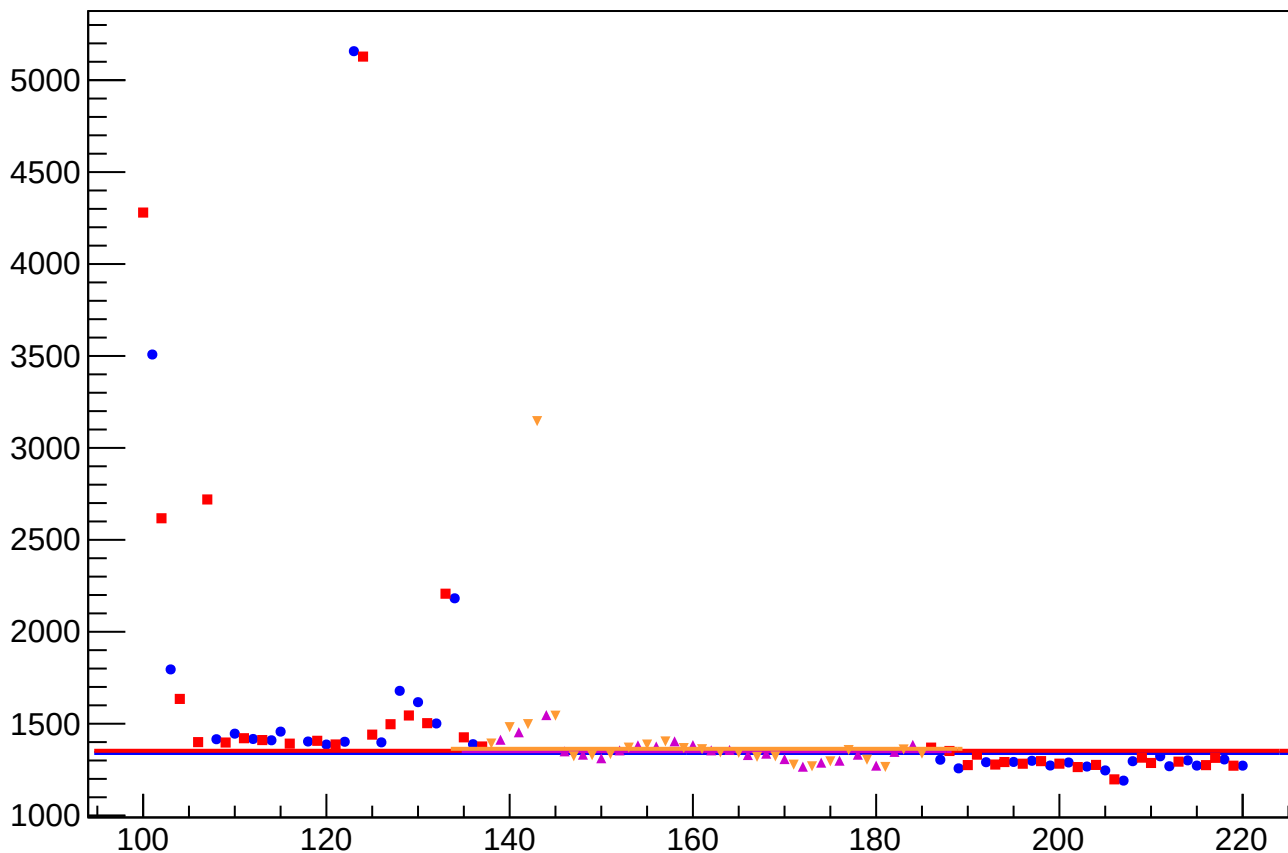
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -433.927 ± 223.604 χ^2/NDF : 53.4/58

All: -156.240 ± 158.625 χ^2/NDF : 122.3/118

- sign 125.077 ± 225.061 χ^2/NDF : 65.7/59

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1340.926+/-0.221 χ^2/NDF : 788243.5/33

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1352.862+/-0.221 χ^2/NDF : 889458.3/36

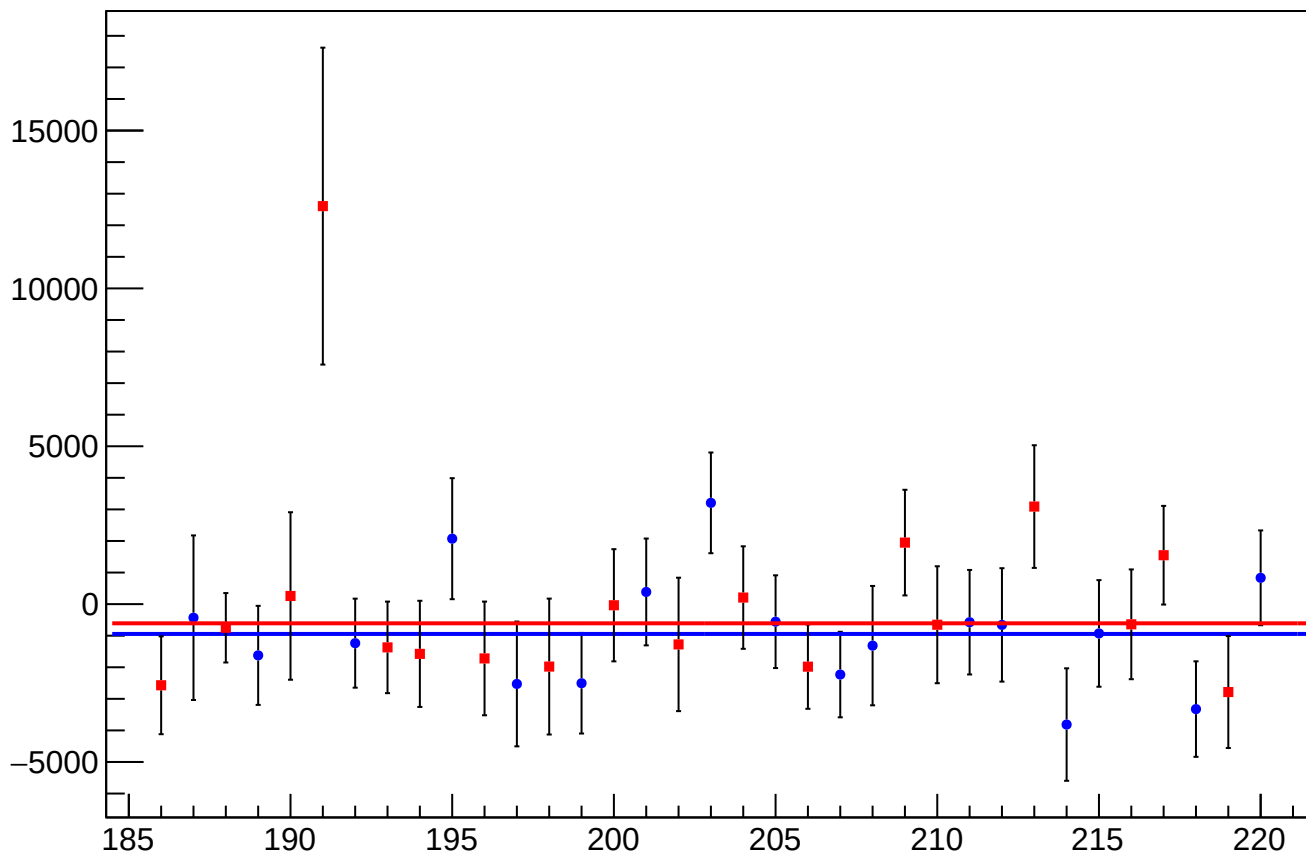
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1351.941+/-0.158 χ^2/NDF : 1368590.2/58

All: 1351.931+/-0.112 χ^2/NDF : 2325230.6/11

- sign 1351.922+/-0.159 χ^2/NDF : 956640.4/59

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -944.545 $\pm$ 400.608 χ^2/NDF : 19.3/16

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Right Out: -607.770 $\pm$ 400.571 χ^2/NDF : 20.9/17

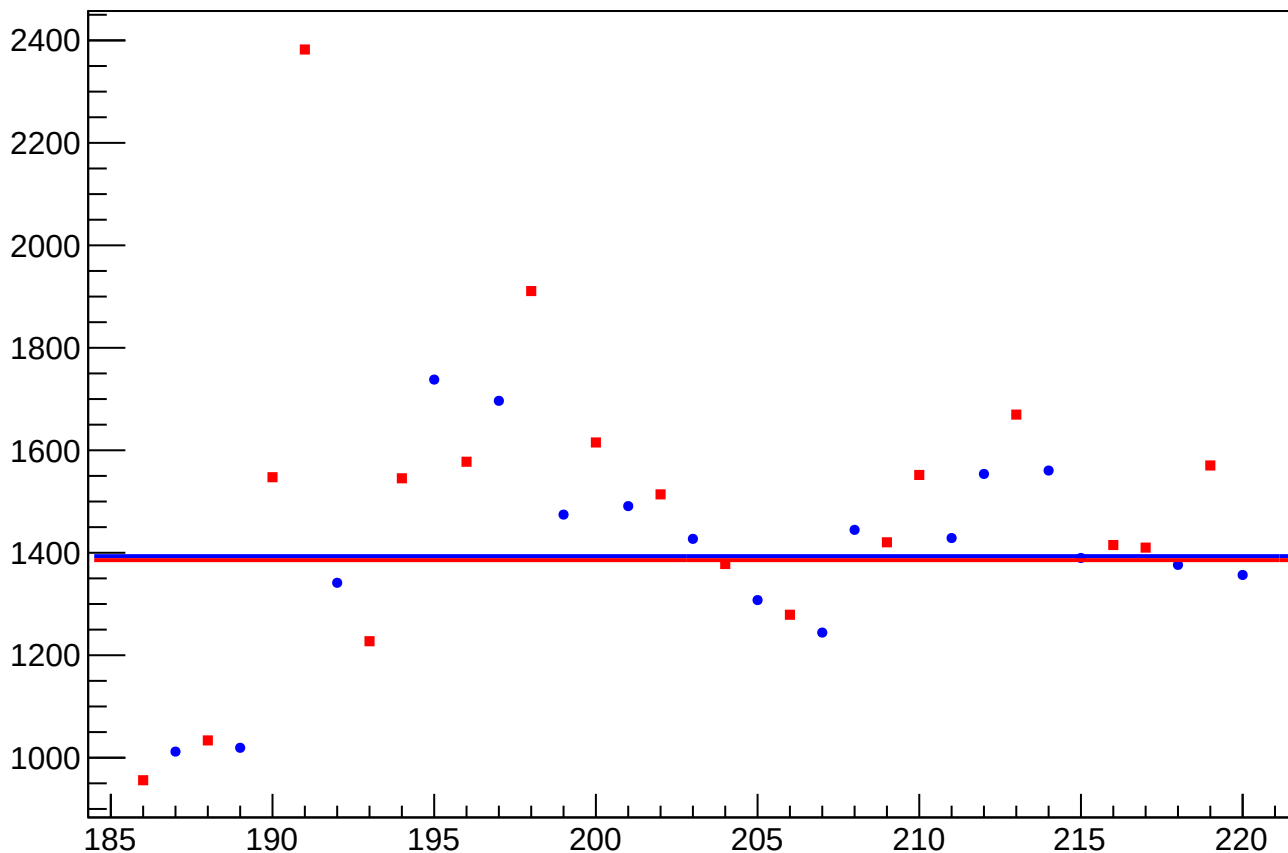
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: -776.142 $\pm$ 283.259 χ^2/NDF : 40.6/34

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1393.403+/-0.283 χ^2/NDF : 352208.8/16

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

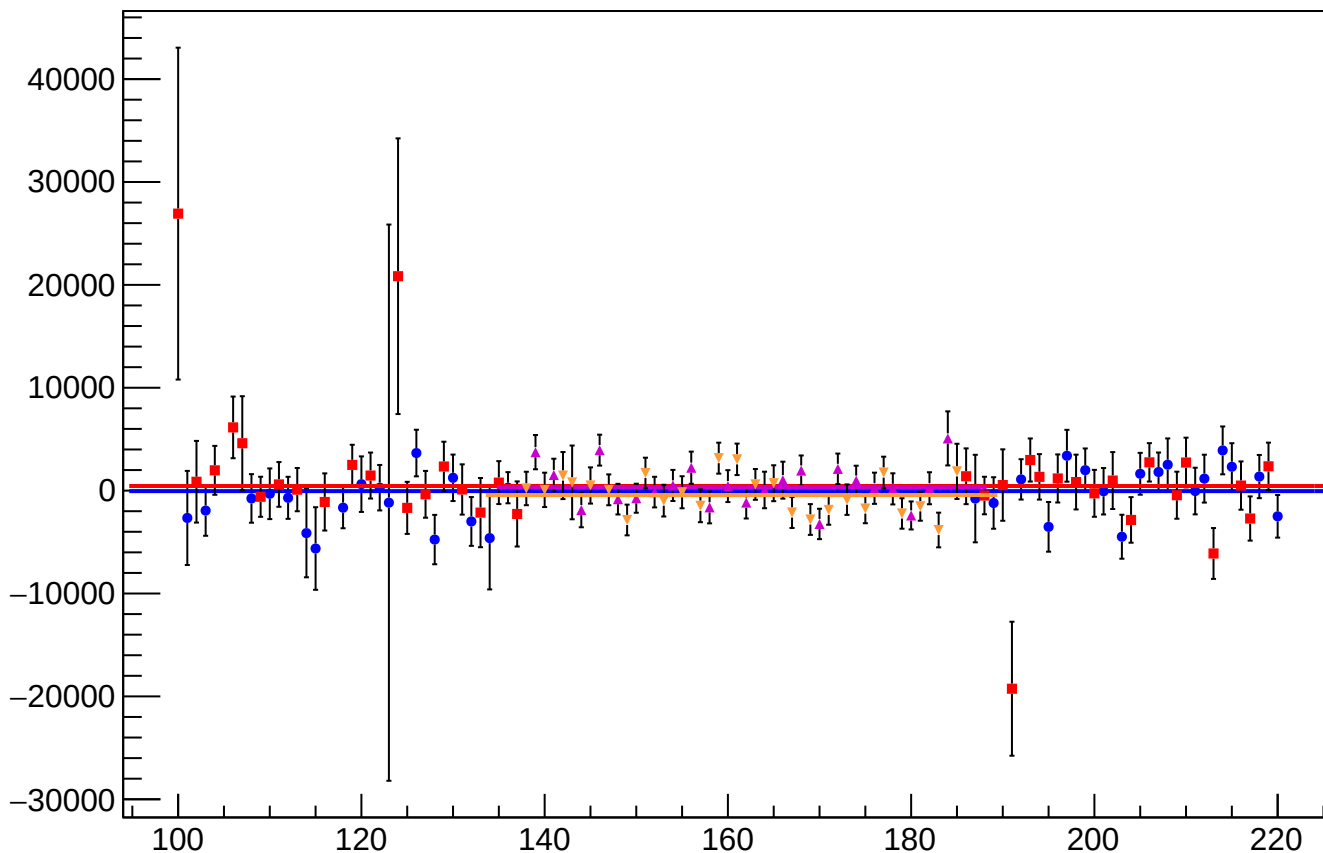
Right Out: 1385.636+/-0.283 χ^2/NDF : 764515.3/17

All: 1389.519+/-0.200 χ^2/NDF : 1117100.1/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -48.028 ± 406.278 χ^2/NDF : 32.5/33

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 451.069 ± 407.051 χ^2/NDF : 40.7/36

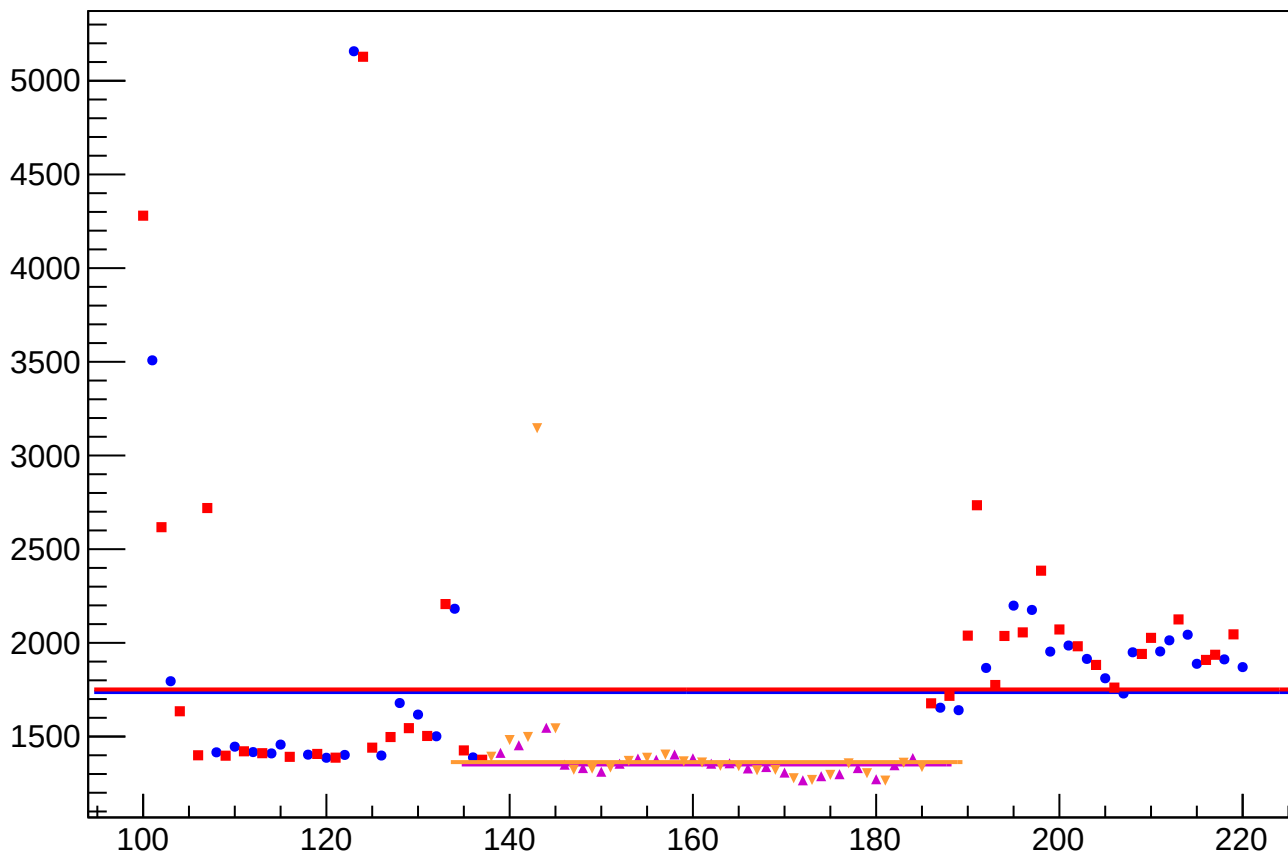
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -284.511 ± 251.648 χ^2/NDF : 66.1/58

All: 47.768 ± 178.655 χ^2/NDF : 144.1/118

- sign 385.423 ± 253.676 χ^2/NDF : 74.5/59

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1737.372+/-0.287 χ^2/NDF : 1130487.0/33

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1751.263+/-0.288 χ^2/NDF : 1354887.0/36

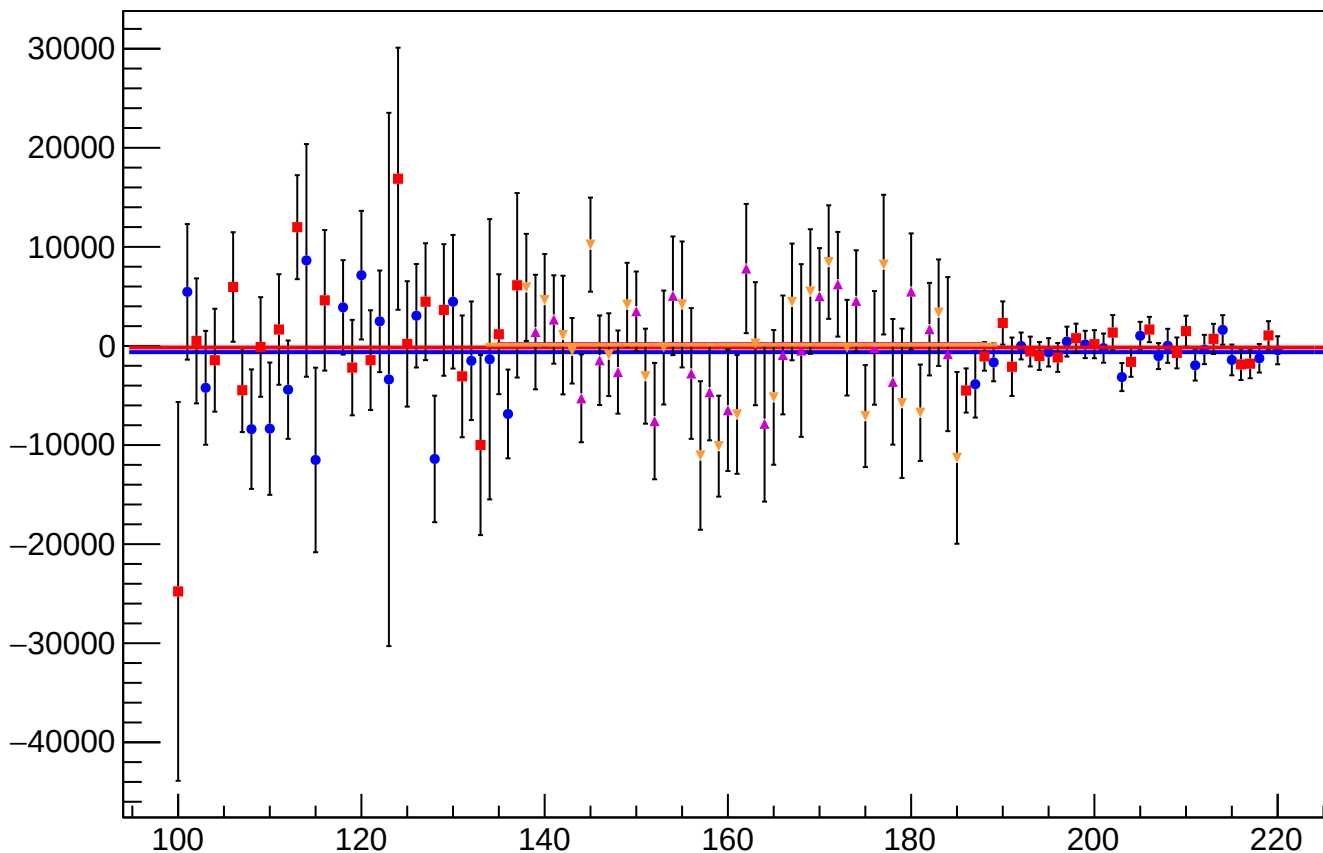
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1506.976+/-0.178 χ^2/NDF : 2749259.9/58

All: 1506.691+/-0.126 χ^2/NDF : 5354623.0/11

- sign 1506.400+/-0.179 χ^2/NDF : 2605358.0/59

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -622.880 ± 355.753 χ^2/NDF : 25.9/33

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -154.313 ± 355.975 χ^2/NDF : 30.3/36

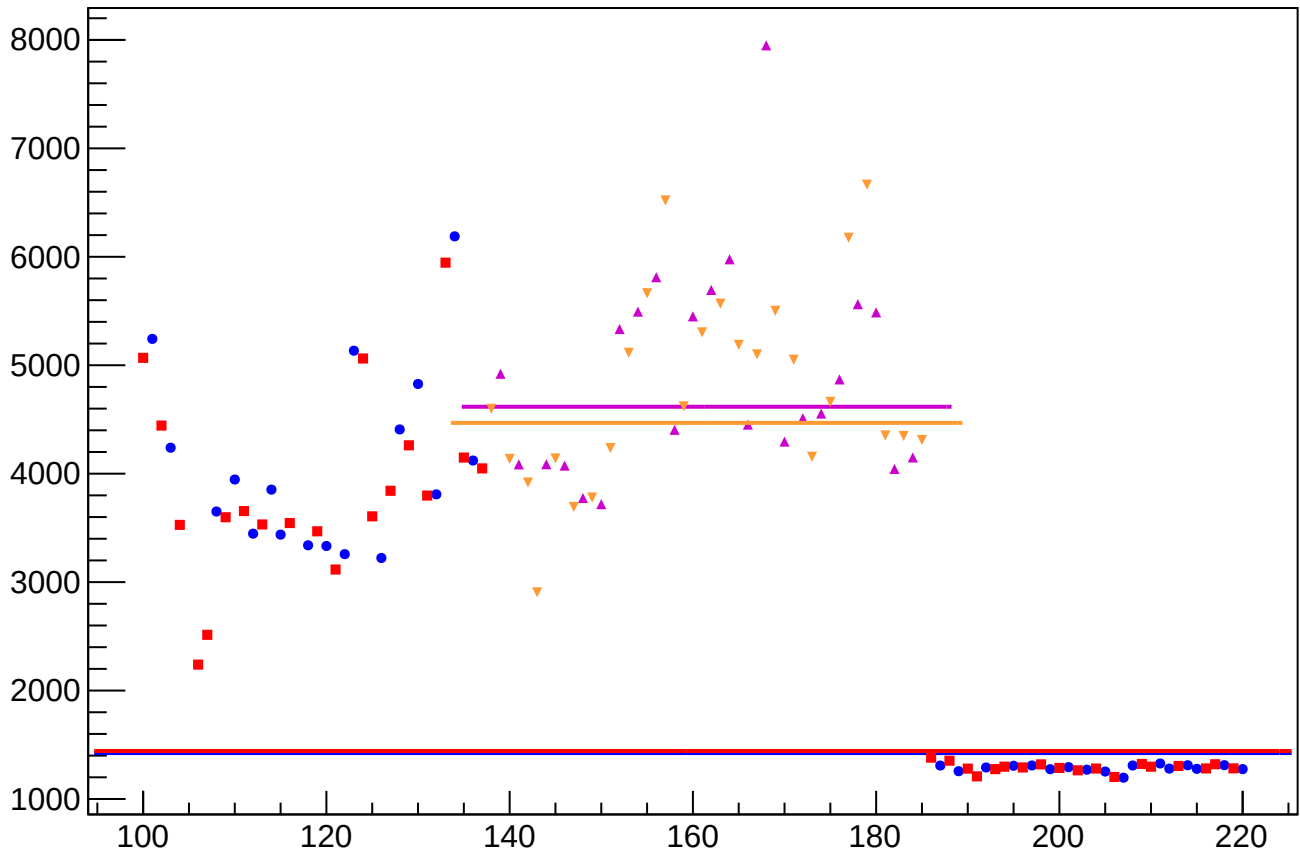
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -547.159 ± 337.443 χ^2/NDF : 54.5/58

All: -335.763 ± 239.279 χ^2/NDF : 100.4/118

- sign -121.972 ± 339.349 χ^2/NDF : 45.1/59

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1423.569+/-0.252 χ^2/NDF : 5730575.1/33

Left Out: 4468.520+/-0.753 χ^2/NDF :1380601.0/24

Right Out: 1442.718+/-0.252 χ^2/NDF : 5553591.2/36

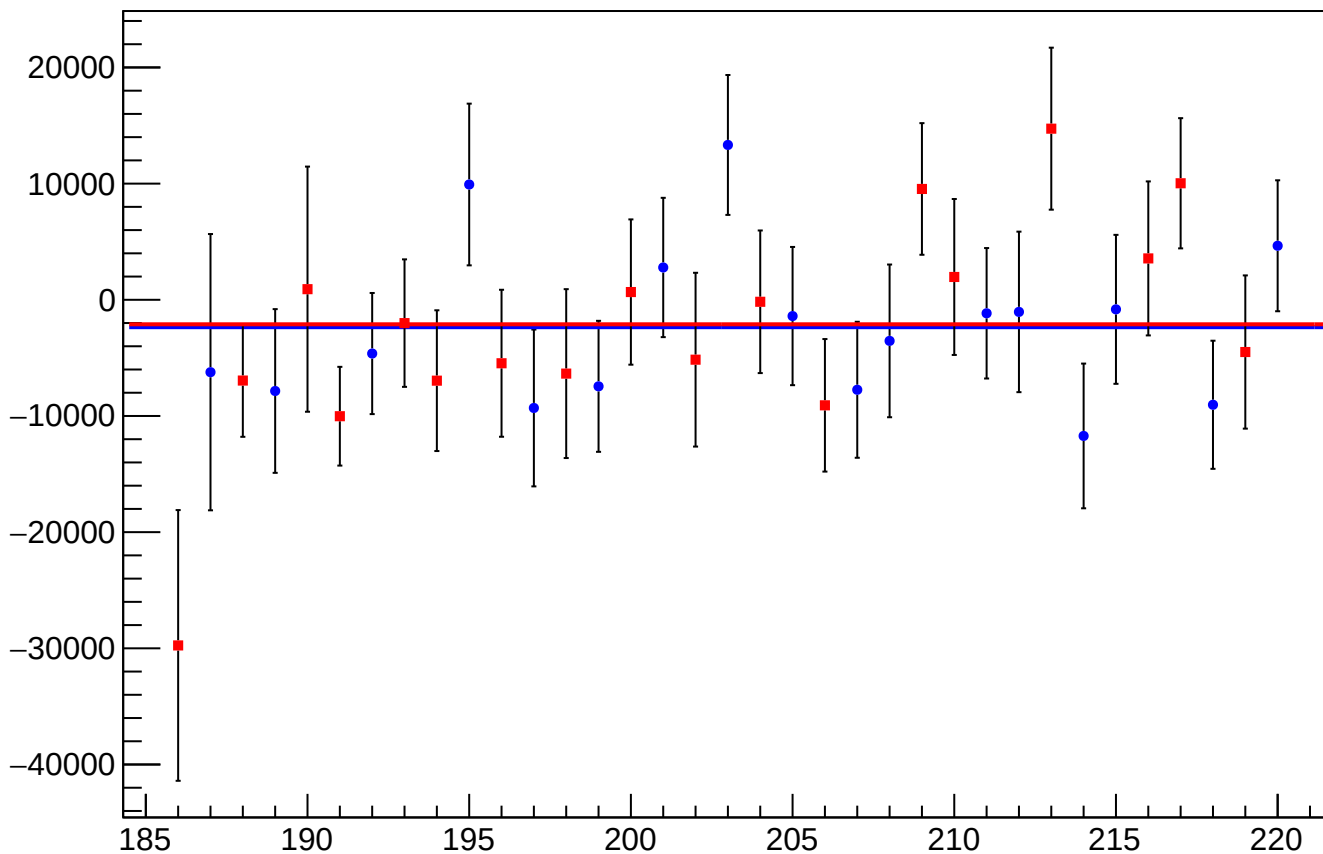
Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

+ sign 1728.947+/-0.239 χ^2/NDF : 21805552.7/58

All: 1730.474+/-0.169 χ^2/NDF : 42871833.3/100

- sign 1732.017+/-0.240 χ^2/NDF : 21066198.2/59

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -2357.425+/-1505.472 χ^2/NDF : 19.7/16

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -2108.431+/-1457.121 χ^2/NDF : 29.4/17

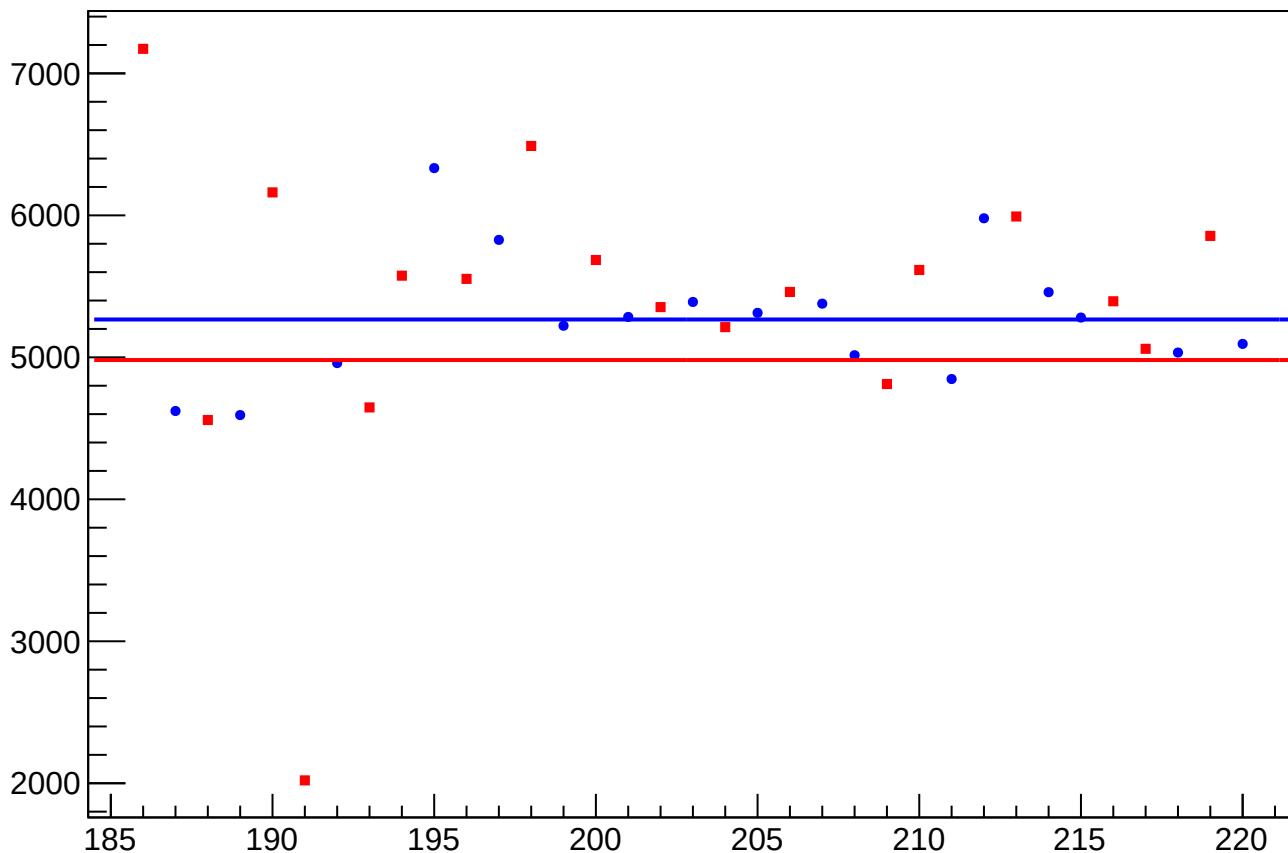
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2228.866+/-1047.016 χ^2/NDF : 49.1/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5266.643 $\pm$ 1.065 χ^2 /NDF: 136375.4/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 4980.991 $\pm$ 1.030 χ^2 /NDF: 1363189.8/17

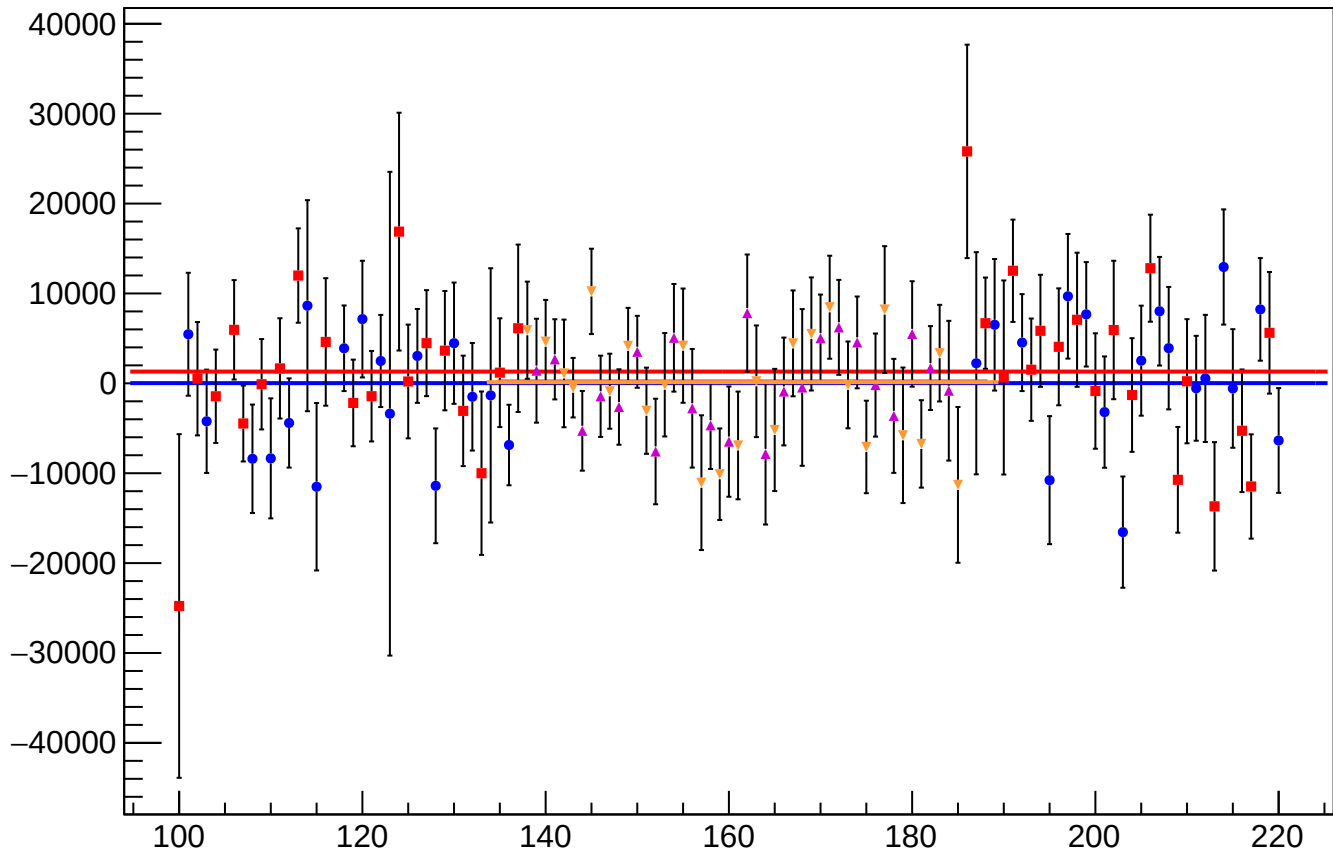
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 5119.156 $\pm$ 0.740 χ^2 /NDF: 1536742.0/34

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: 23.402+/-1085.537 χ^2/NDF : 40.6/33

Left Out: 132.142+/-1065.543 χ^2/NDF : 28.1/24

Right Out: 1307.215+/-1029.155 χ^2/NDF : 43.9/36

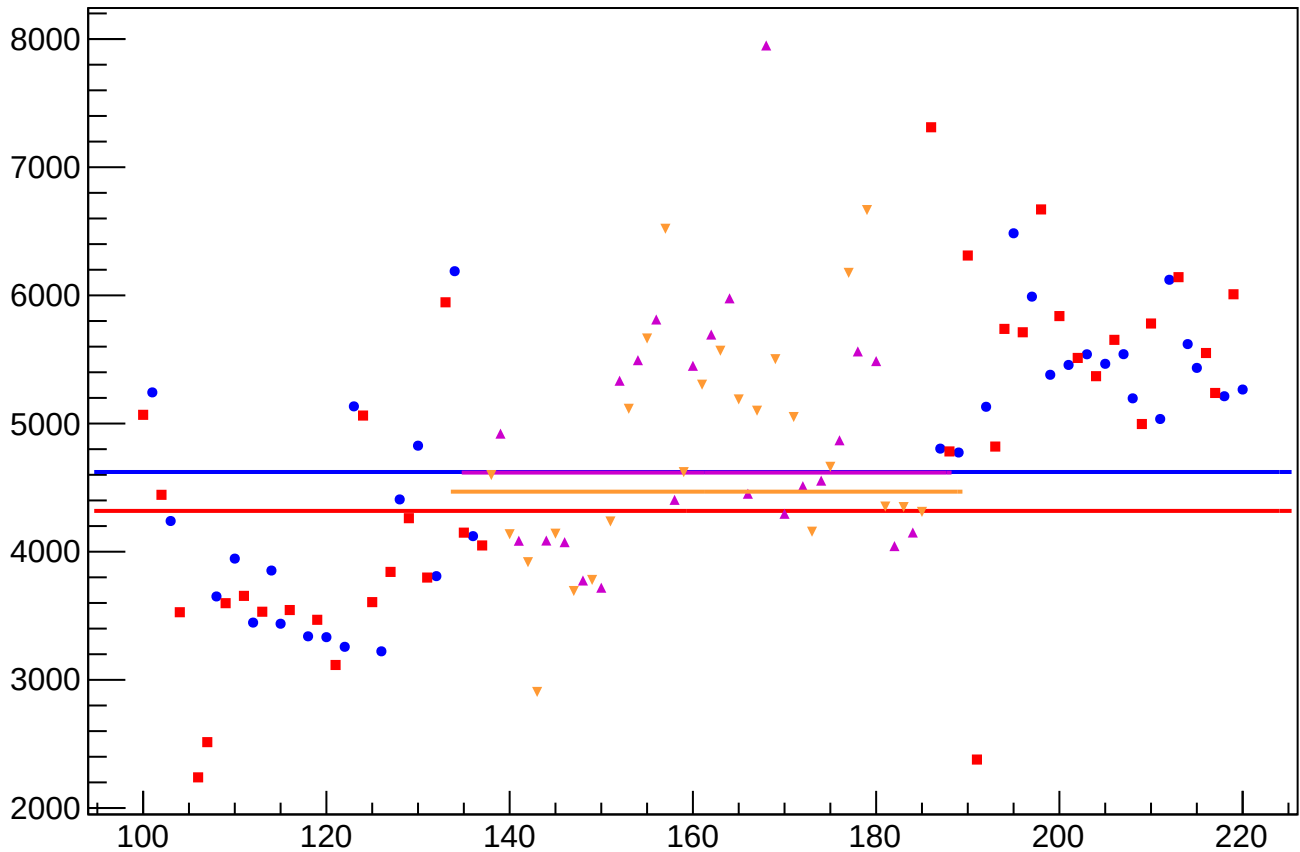
Left In: 200.182+/-1123.499 χ^2/NDF : 14.7/22

+ sign 78.783+/-760.423 χ^2/NDF : 68.7/58

All: 441.184+/-537.157 χ^2/NDF : 128.4/118

- sign 802.124+/-758.888 χ^2/NDF : 59.2/59

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4621.961+/-0.768 χ^2/NDF : 1522423.9/33

Left Out: 4468.520+/-0.753 χ^2/NDF : 1380601.0/24

Right Out: 4318.301+/-0.724 χ^2/NDF : 2879902.2/36

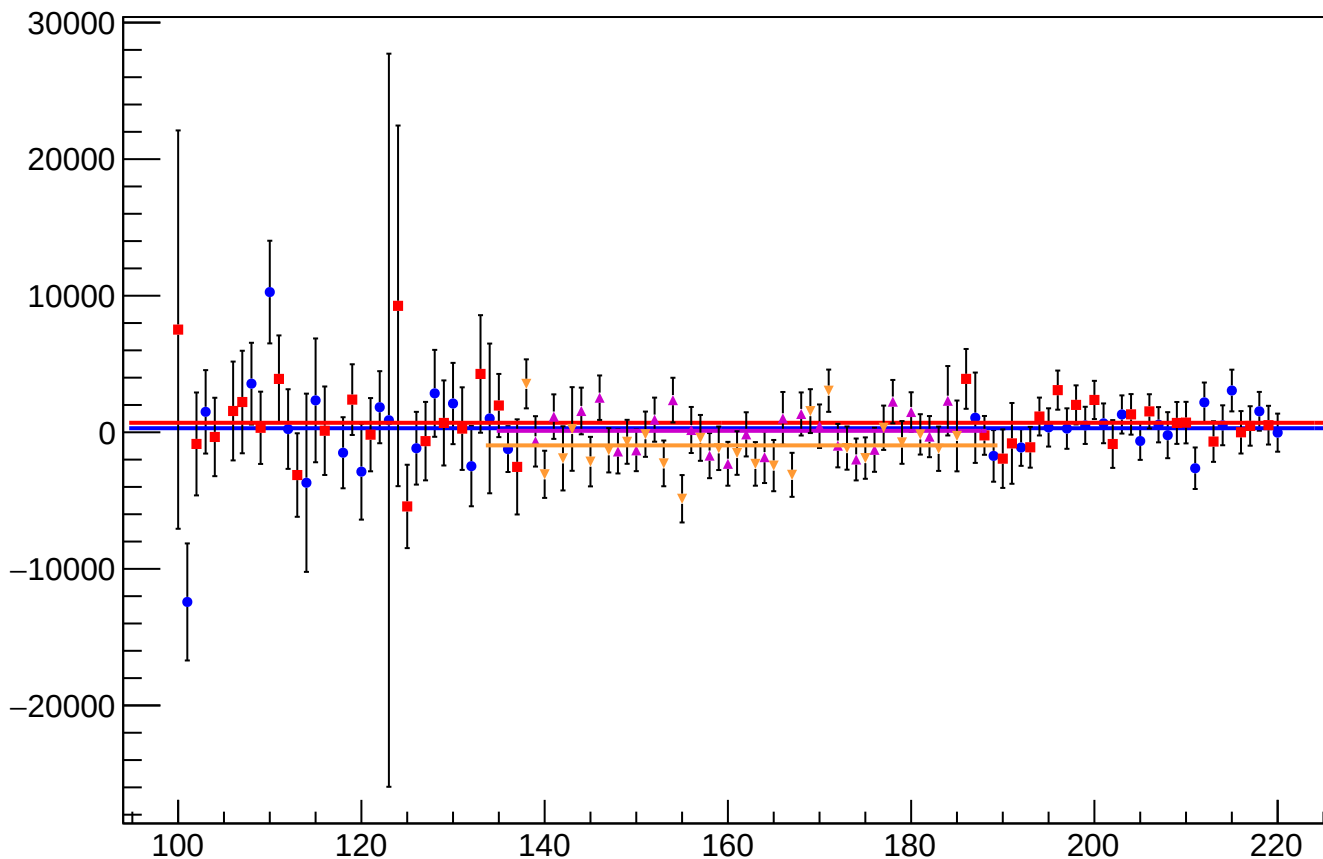
Left In: 4617.293+/-0.794 χ^2/NDF : 999599.8/22

+ sign 4543.815+/-0.538 χ^2/NDF : 2923376.7/58

All: 4498.671+/-0.379 χ^2/NDF : 6894287.9/11

- sign 4453.959+/-0.535 χ^2/NDF : 3956880.6/59

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 297.235 $\pm$ 324.975 χ^2 /NDF: 35.5/33

Left Out: -958.410 $\pm$ 339.496 χ^2 /NDF: 28.5/24

Right Out: 695.818 $\pm$ 325.305 χ^2 /NDF: 23.9/36

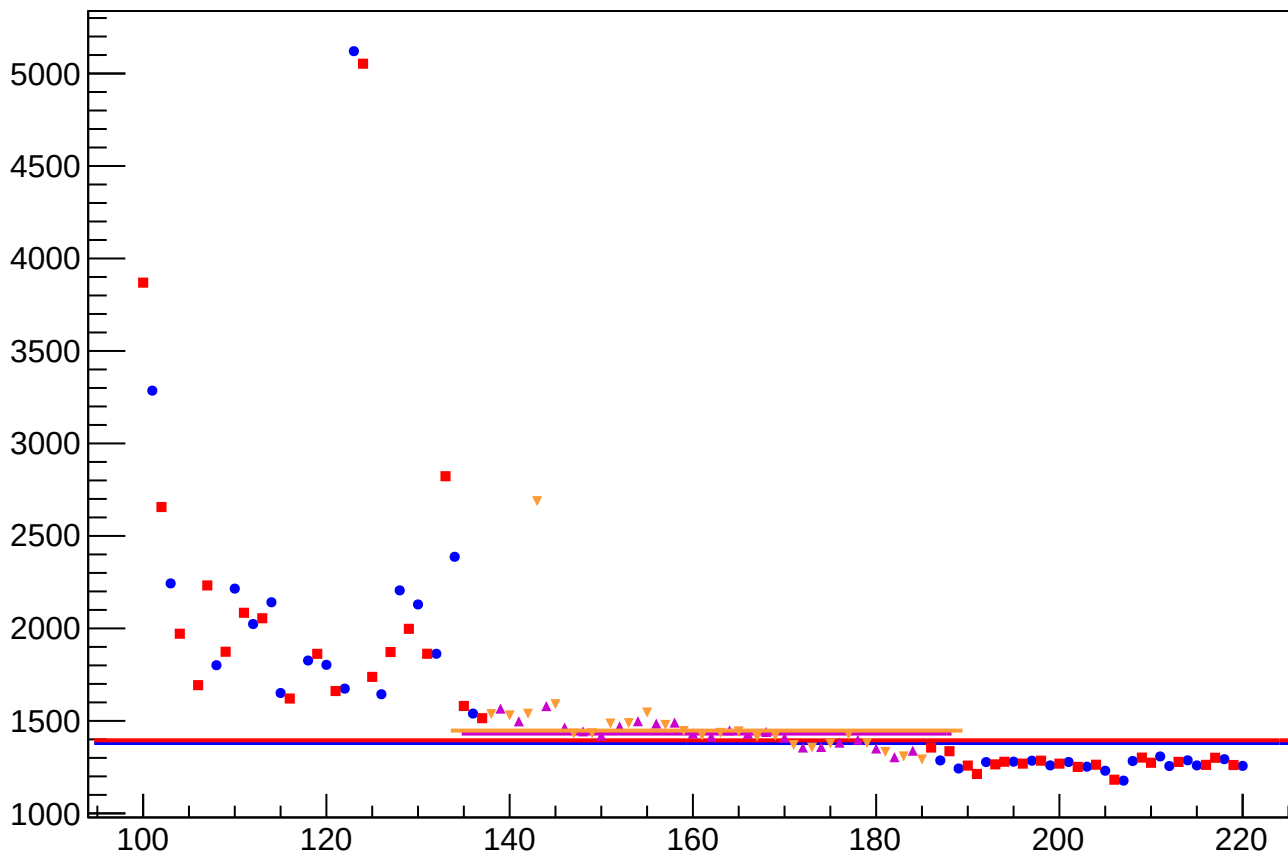
Left In: 107.512 $\pm$ 343.663 χ^2 /NDF: 19.5/22

+ sign -303.159 $\pm$ 234.758 χ^2 /NDF: 71.1/58

All: 55.036 $\pm$ 166.523 χ^2 /NDF: 120.7/118

- sign 417.797 $\pm$ 236.249 χ^2 /NDF: 44.9/59

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1380.383+/-0.230 χ^2/NDF : 1624749.0/33

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1394.936+/-0.230 χ^2/NDF : 1667204.3/36

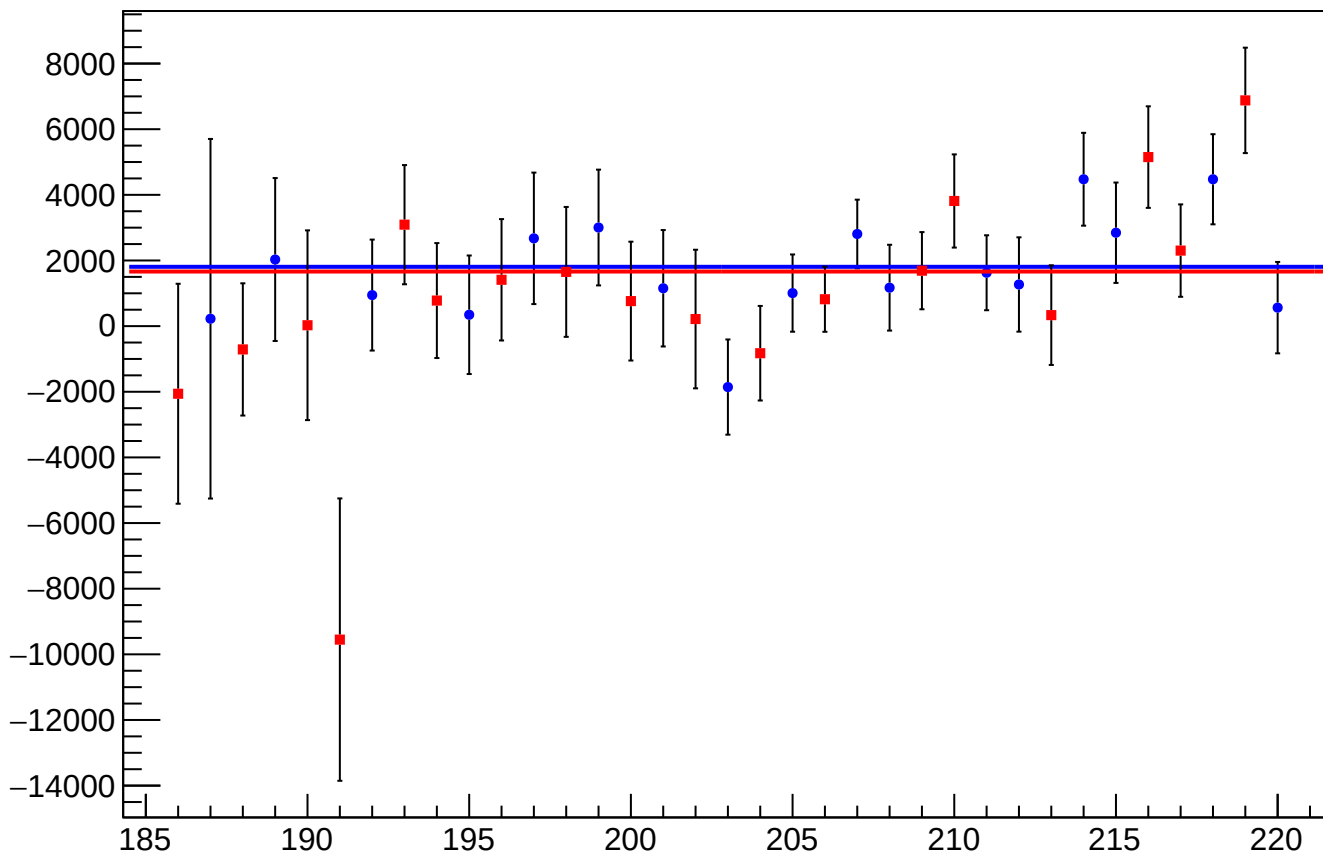
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1412.502+/-0.166 χ^2/NDF : 2084860.6/58

All: 1412.349+/-0.118 χ^2/NDF : 3839109.0/11

- sign 1412.194+/-0.167 χ^2/NDF : 1754246.7/59

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1807.297 $\pm$ 361.241 χ^2 /NDF: 18.5/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1663.563 $\pm$ 386.983 χ^2 /NDF: 33.9/17

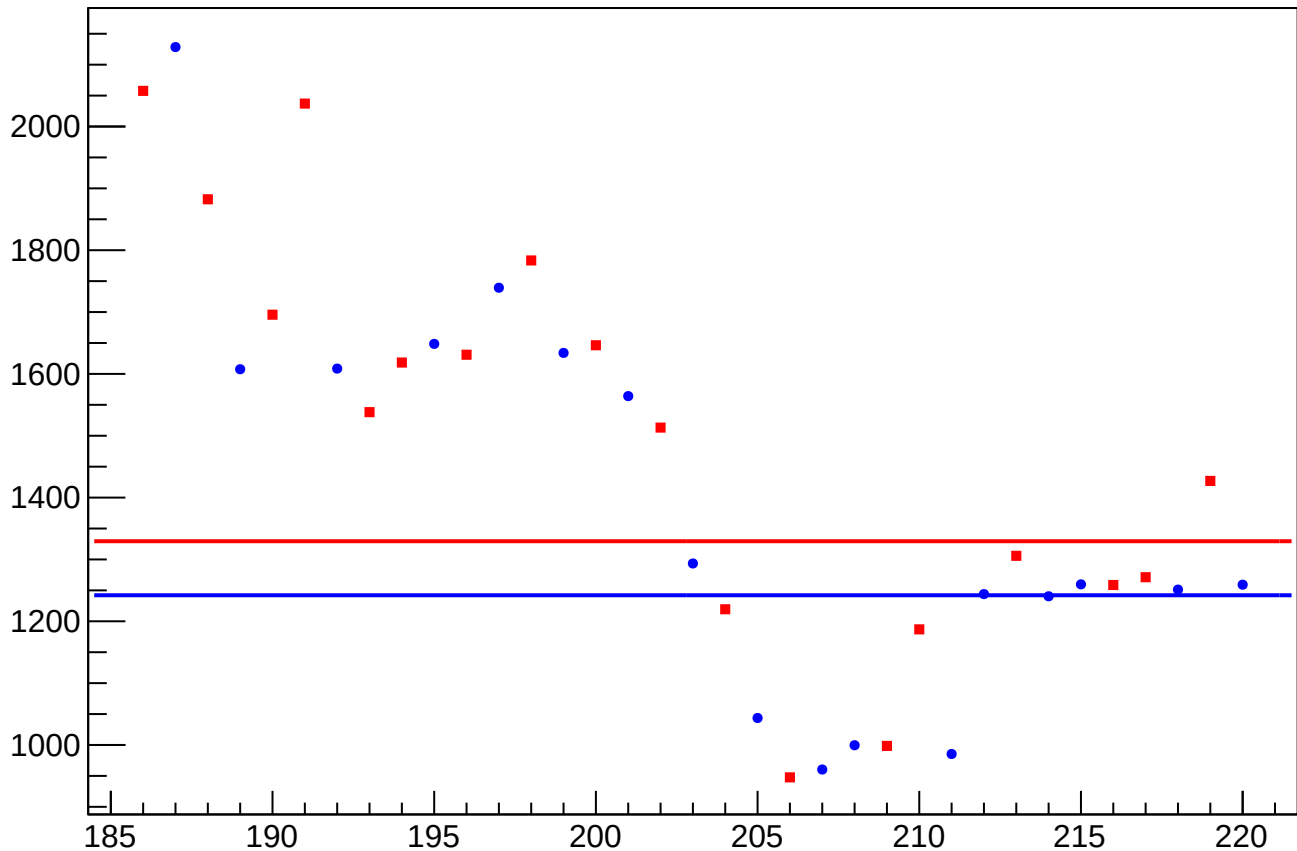
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1740.369 $\pm$ 264.068 χ^2 /NDF: 52.6/34

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1242.087+/-0.255 χ^2/NDF : 954069.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

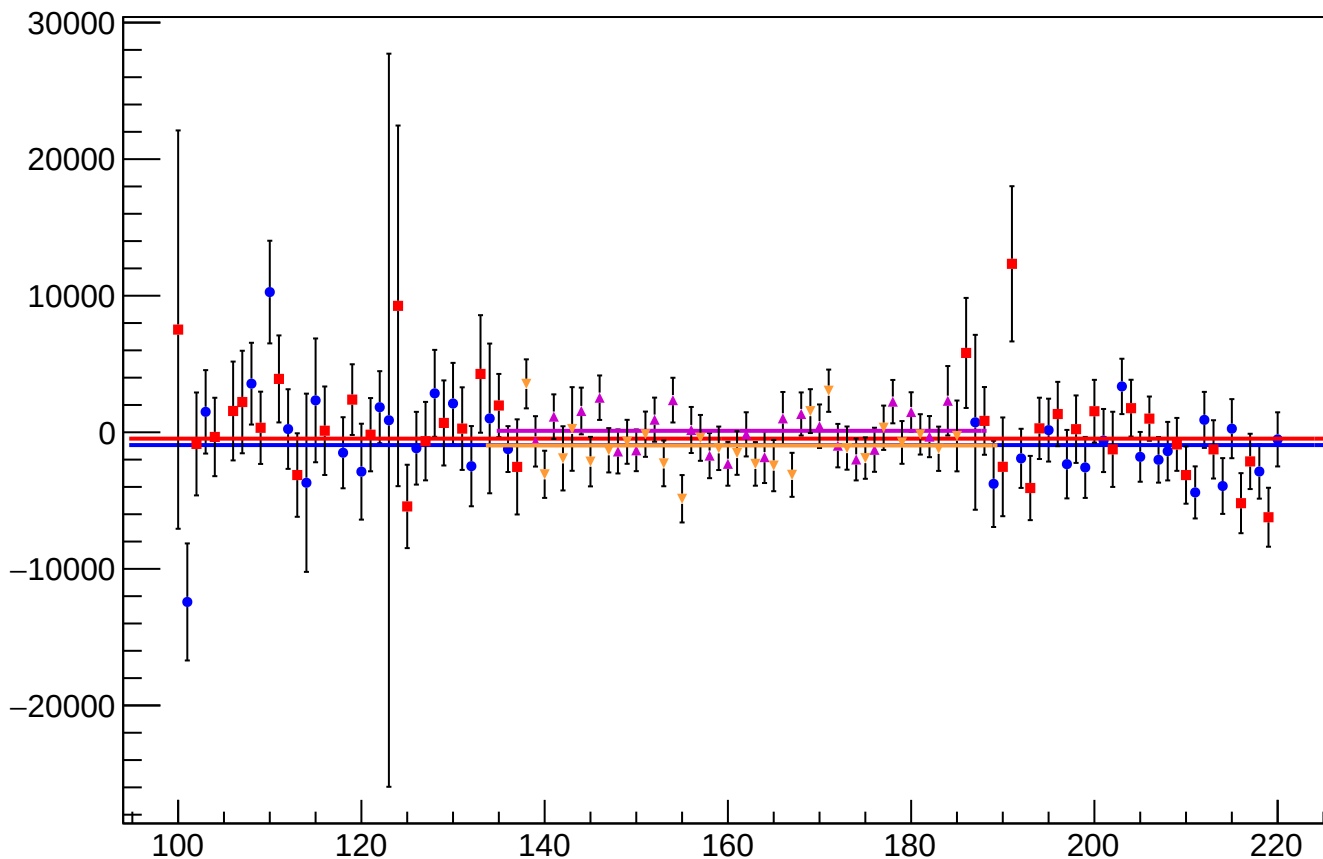
Right Out: 1329.469+/-0.274 χ^2/NDF : 1149213.0/17

All: 1282.775+/-0.187 χ^2/NDF : 2157773.7/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -936.330+/-429.027 χ^2/NDF : 39.1/33

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: -464.772+/-437.931 χ^2/NDF : 39.4/36

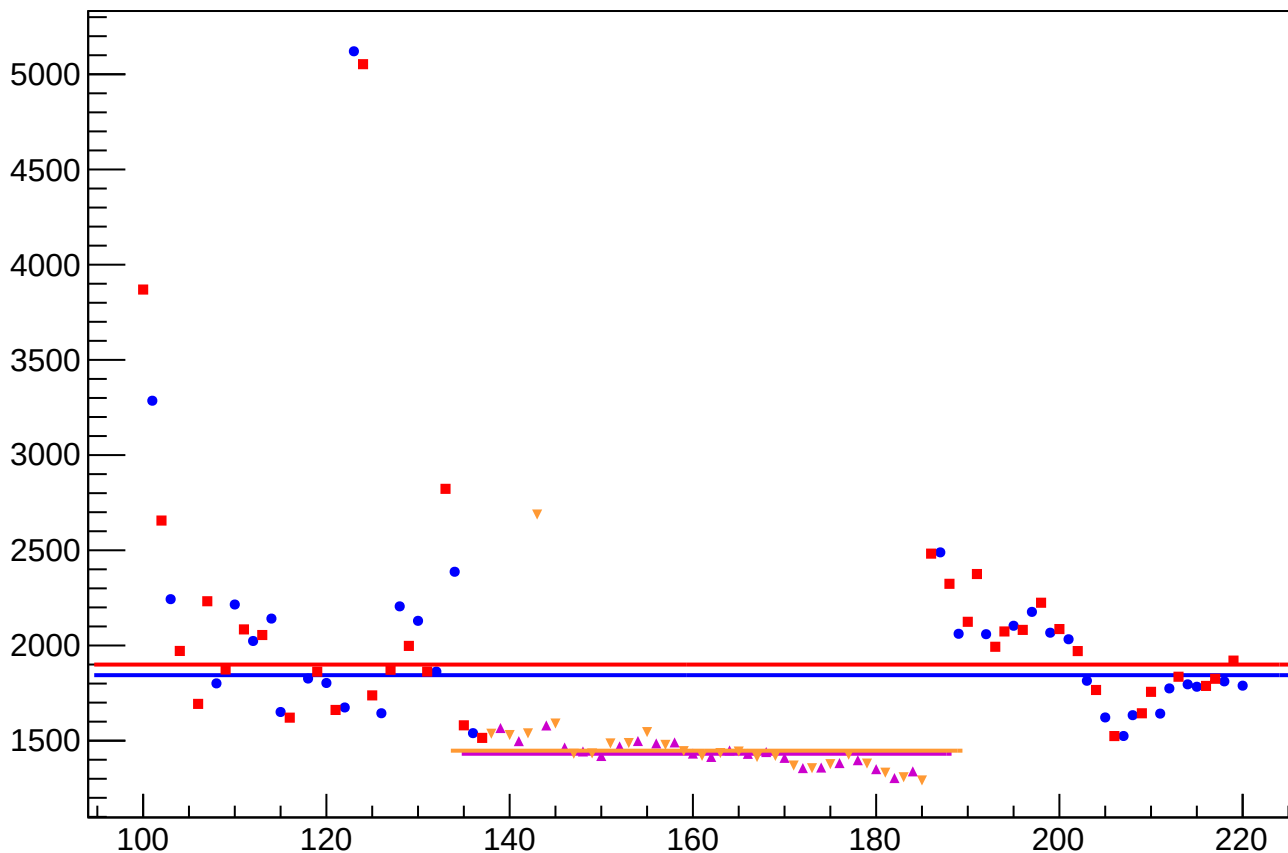
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -949.908+/-266.226 χ^2/NDF : 67.6/58

All: -536.712+/-189.693 χ^2/NDF : 132.5/118

- sign -110.596+/-270.356 χ^2/NDF : 60.0/59

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1844.129+/-0.303 χ^2/NDF : 770490.8/33

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1899.760+/-0.310 χ^2/NDF : 828525.4/36

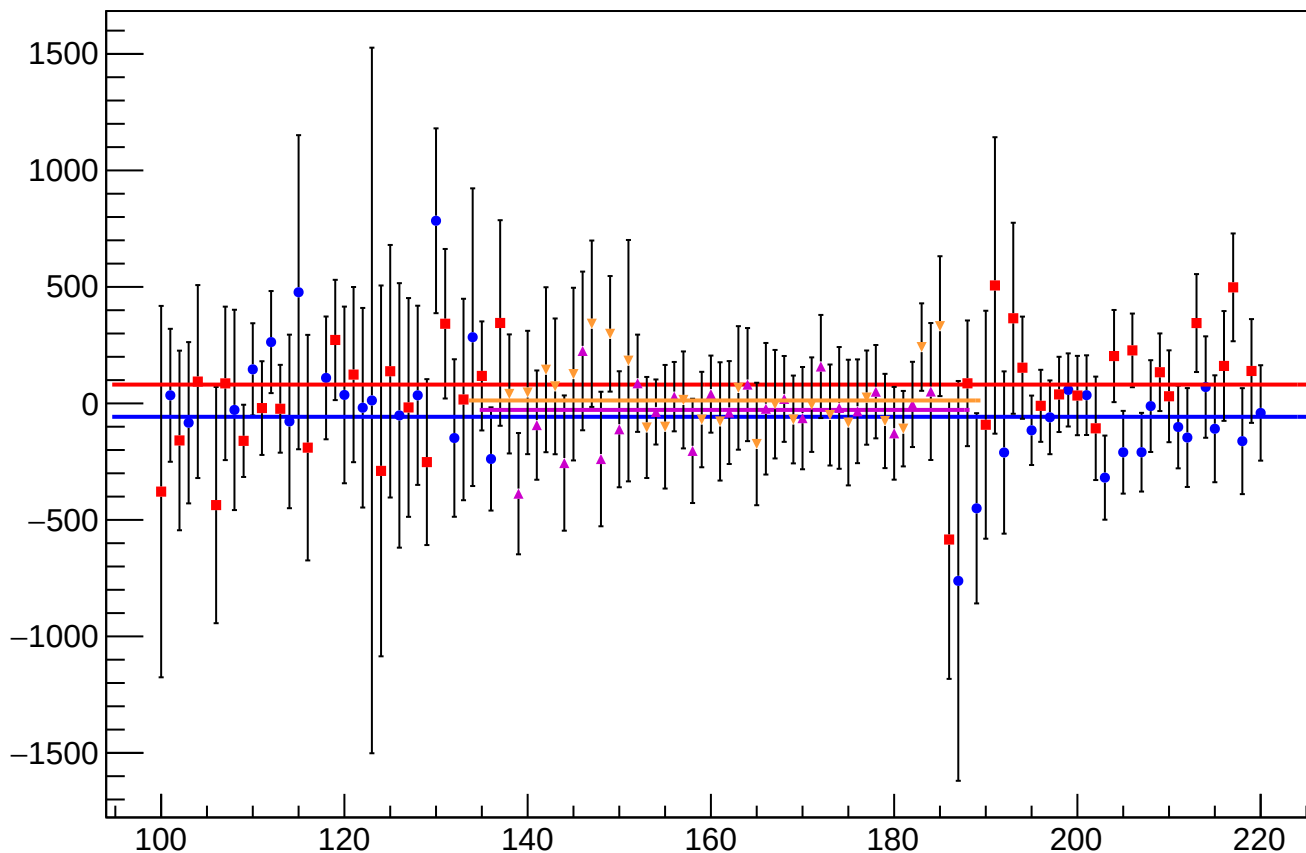
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1600.261+/-0.188 χ^2/NDF : 2240599.5/58

All: 1605.025+/-0.134 χ^2/NDF : 4560982.9/11

- sign 1609.937+/-0.191 χ^2/NDF : 2319082.7/59

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -57.503 ± 41.078 χ^2/NDF : 17.3/33

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 80.794 ± 40.971 χ^2/NDF : 17.9/36

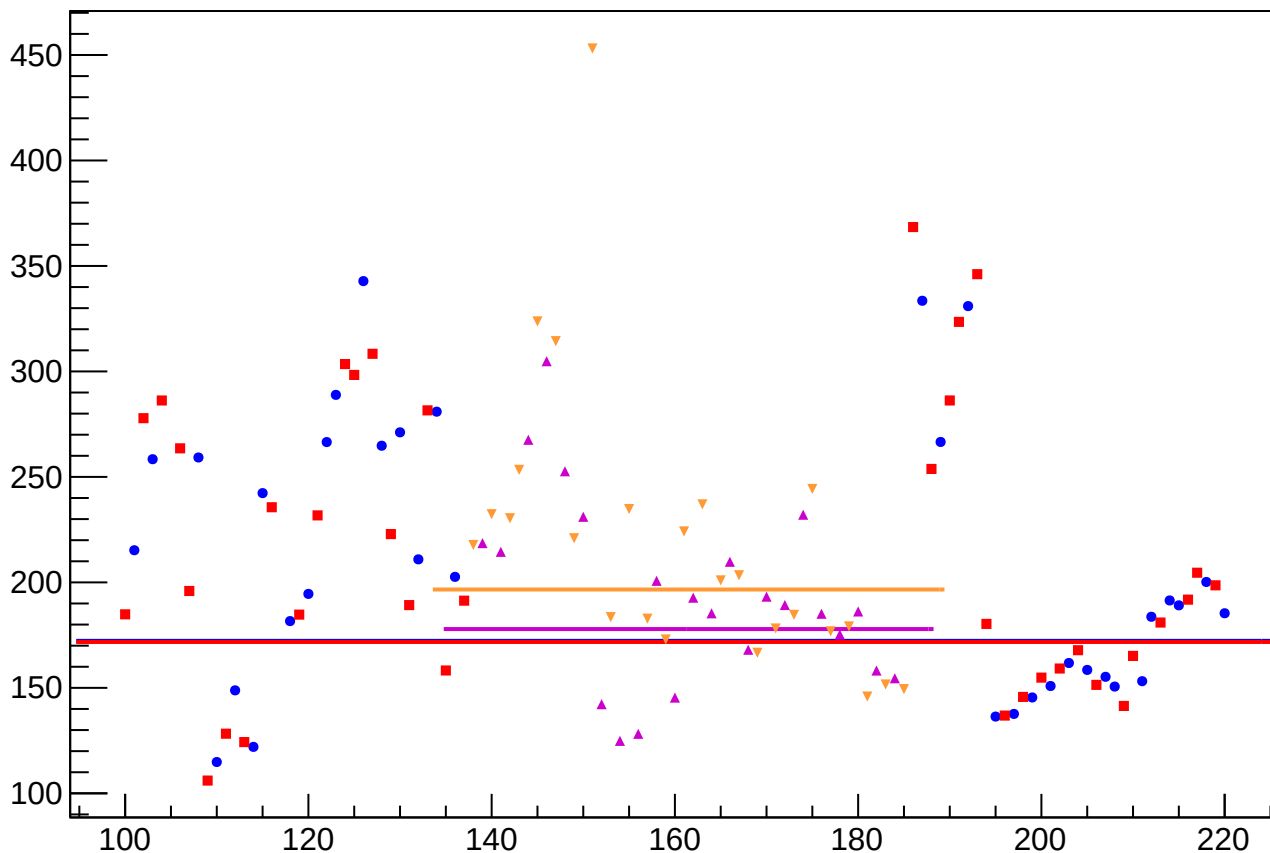
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign -27.490 ± 31.067 χ^2/NDF : 26.2/58

All: 2.605 ± 21.636 χ^2/NDF : 55.7/118

- sign 30.946 ± 30.149 χ^2/NDF : 27.6/59

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.273 ± 0.029 χ^2/NDF : 2211280.5/33

Left Out: 196.620 ± 0.034 χ^2/NDF : 1793507.9/24

Right Out: 171.751 ± 0.029 χ^2/NDF : 2931118.7/36

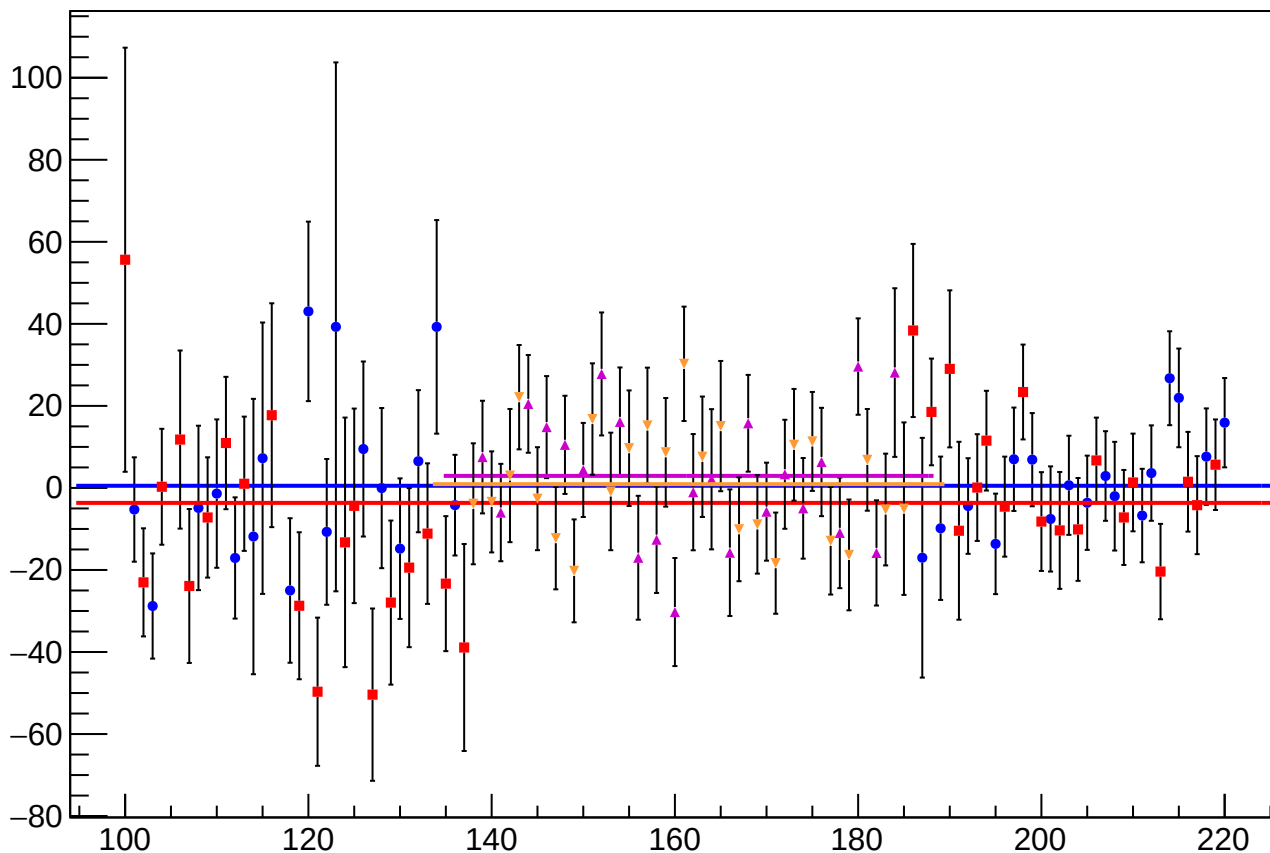
Left In: 177.878 ± 0.031 χ^2/NDF : 1644086.7/22

+ sign 182.694 ± 0.022 χ^2/NDF : 4305500.6/58

All: 178.505 ± 0.015 χ^2/NDF : 8971822.0/118

- sign 174.560 ± 0.021 χ^2/NDF : 4595714.4/59

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: 0.527 ± 2.462 χ^2/NDF : 31.9/33

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -3.643 ± 2.455 χ^2/NDF : 47.9/36

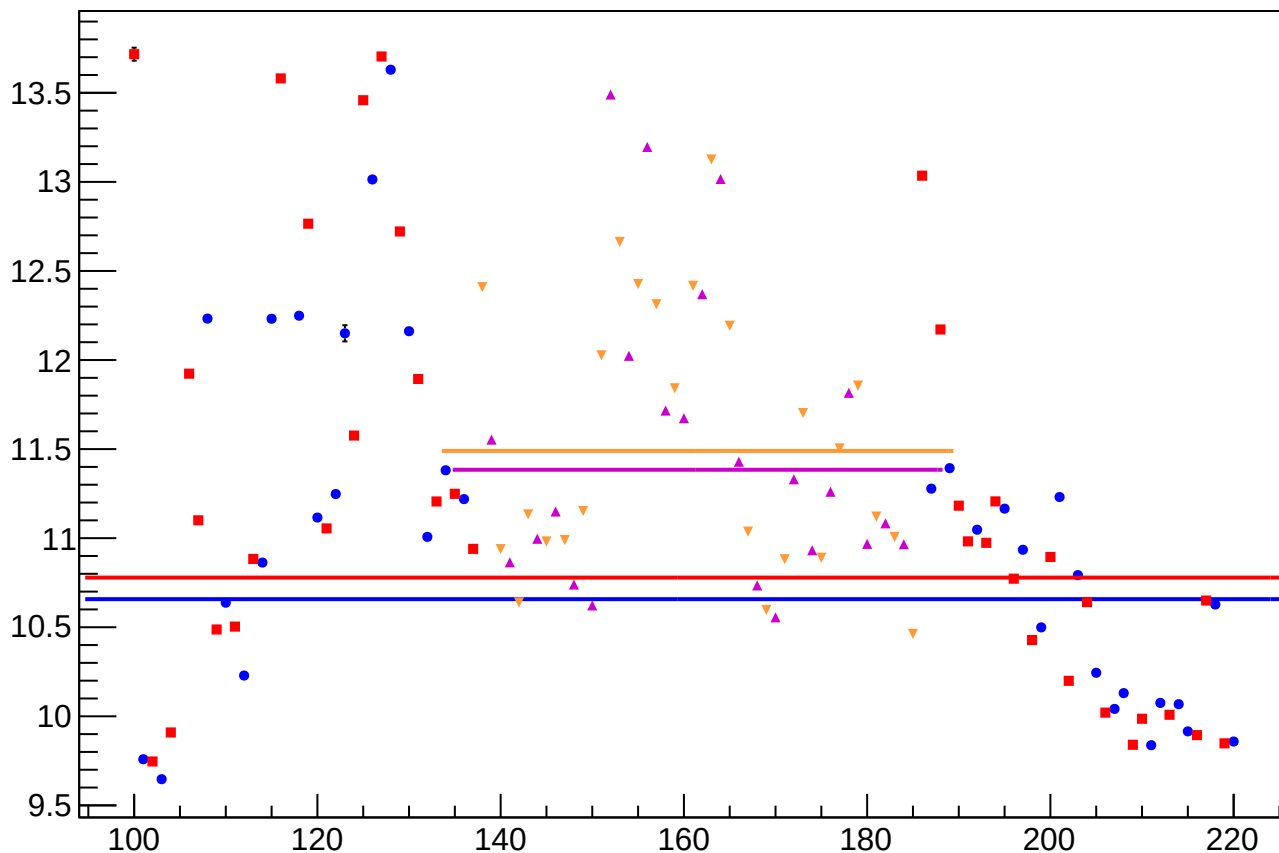
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign 0.706 ± 1.818 χ^2/NDF : 55.9/58

All: -0.001 ± 1.290 χ^2/NDF : 138.3/118

- sign -0.717 ± 1.830 χ^2/NDF : 82.1/59

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.658 $\pm$ 0.002 χ^2 /NDF: 221123.4/33

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 10.779 $\pm$ 0.002 χ^2 /NDF: 295894.3/36

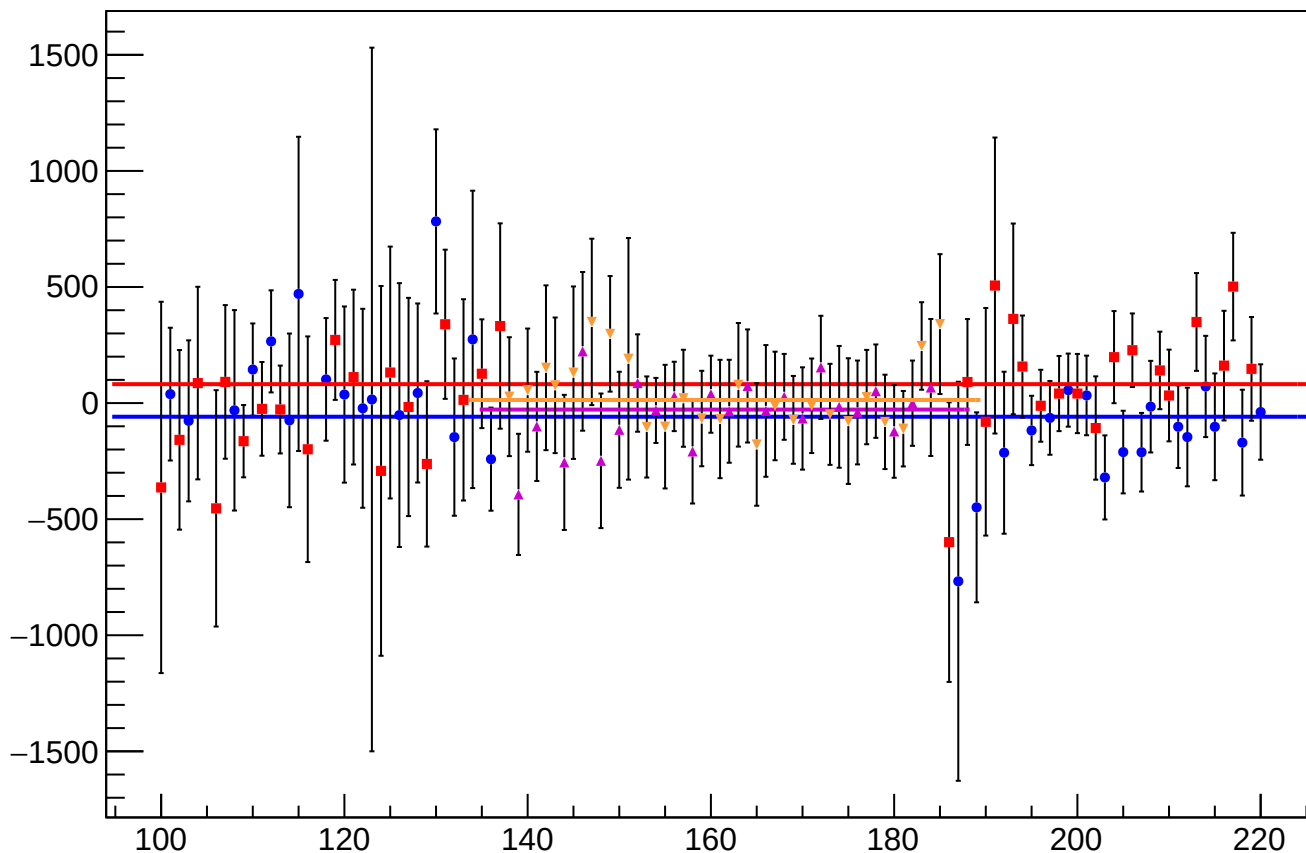
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.036 $\pm$ 0.001 χ^2 /NDF: 457395.5/58

All: 11.042 $\pm$ 0.001 χ^2 /NDF: 957205.7/118

- sign 11.048 $\pm$ 0.001 χ^2 /NDF: 499769.6/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -58.783 ± 41.178 $\chi^2/\text{NDF}: 17.3/33$

Left Out: 13.323 ± 47.662 $\chi^2/\text{NDF}: 7.9/24$

Right Out: 81.555 ± 41.077 $\chi^2/\text{NDF}: 18.1/36$

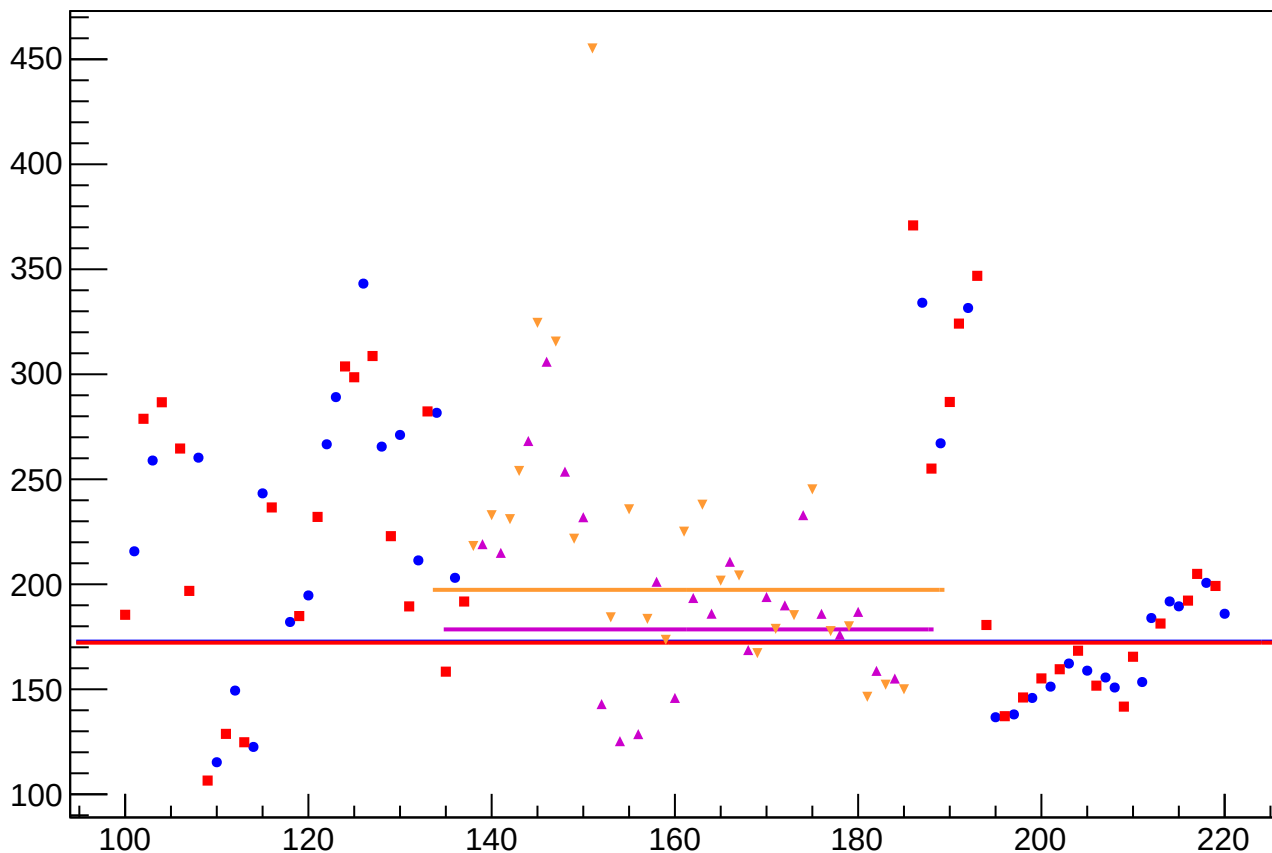
Left In: -28.050 ± 44.681 $\chi^2/\text{NDF}: 6.6/22$

+ sign -27.965 ± 31.159 $\chi^2/\text{NDF}: 26.5/58$

All: 2.581 ± 21.701 $\chi^2/\text{NDF}: 56.4/118$

- sign 31.351 ± 30.240 $\chi^2/\text{NDF}: 28.0/59$

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 172.703 $\pm$ 0.029 χ^2 /NDF: 2206363.9/33

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF: 1790824.5/24

Right Out: 172.204 $\pm$ 0.029 χ^2 /NDF: 2927330.1/36

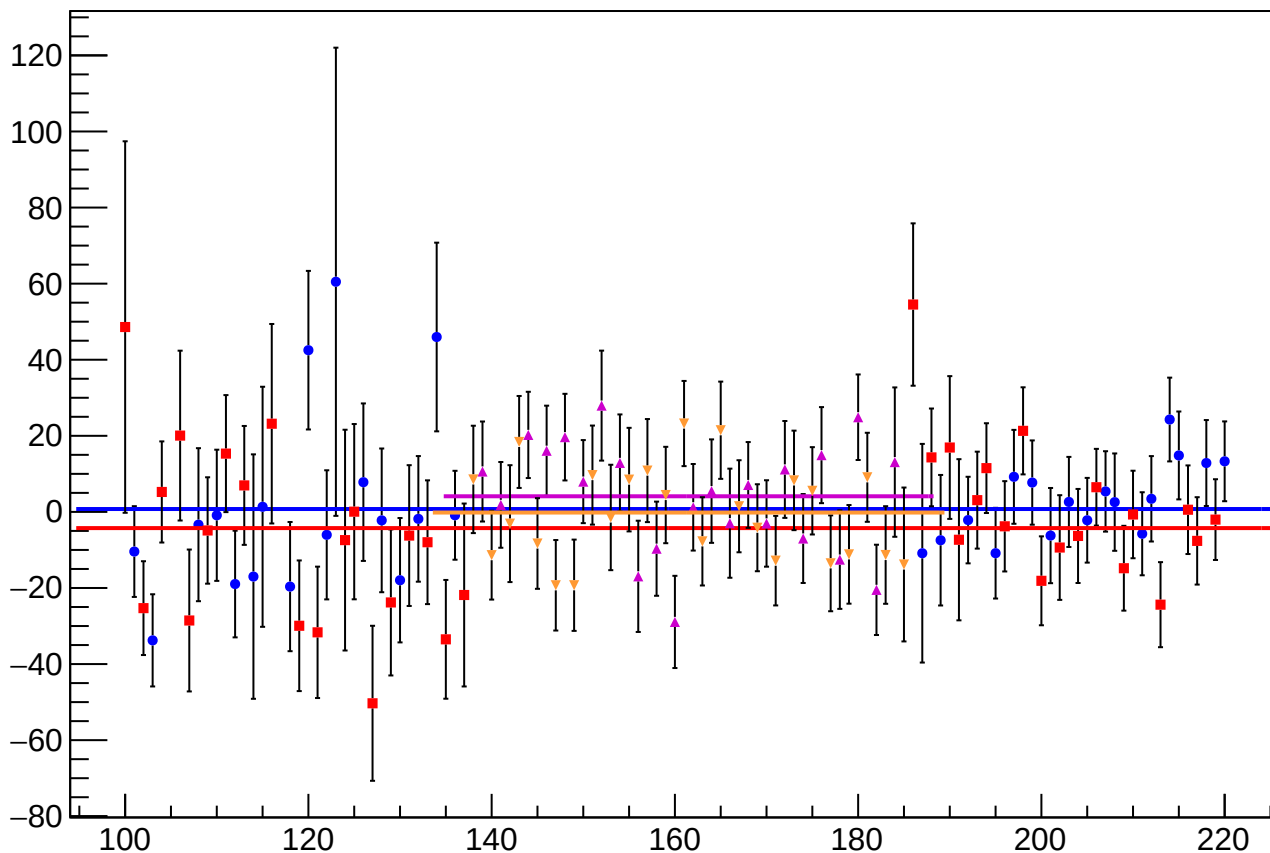
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF: 1642304.1/22

+ sign 183.239 $\pm$ 0.022 χ^2 /NDF: 4303554.8/58

All: 179.044 $\pm$ 0.015 χ^2 /NDF: 8965195.1/118

- sign 175.093 $\pm$ 0.021 χ^2 /NDF: 4591241.8/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: 0.757 ± 2.374 χ^2/NDF : 34.6/33

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -4.258 ± 2.372 χ^2/NDF : 51.1/36

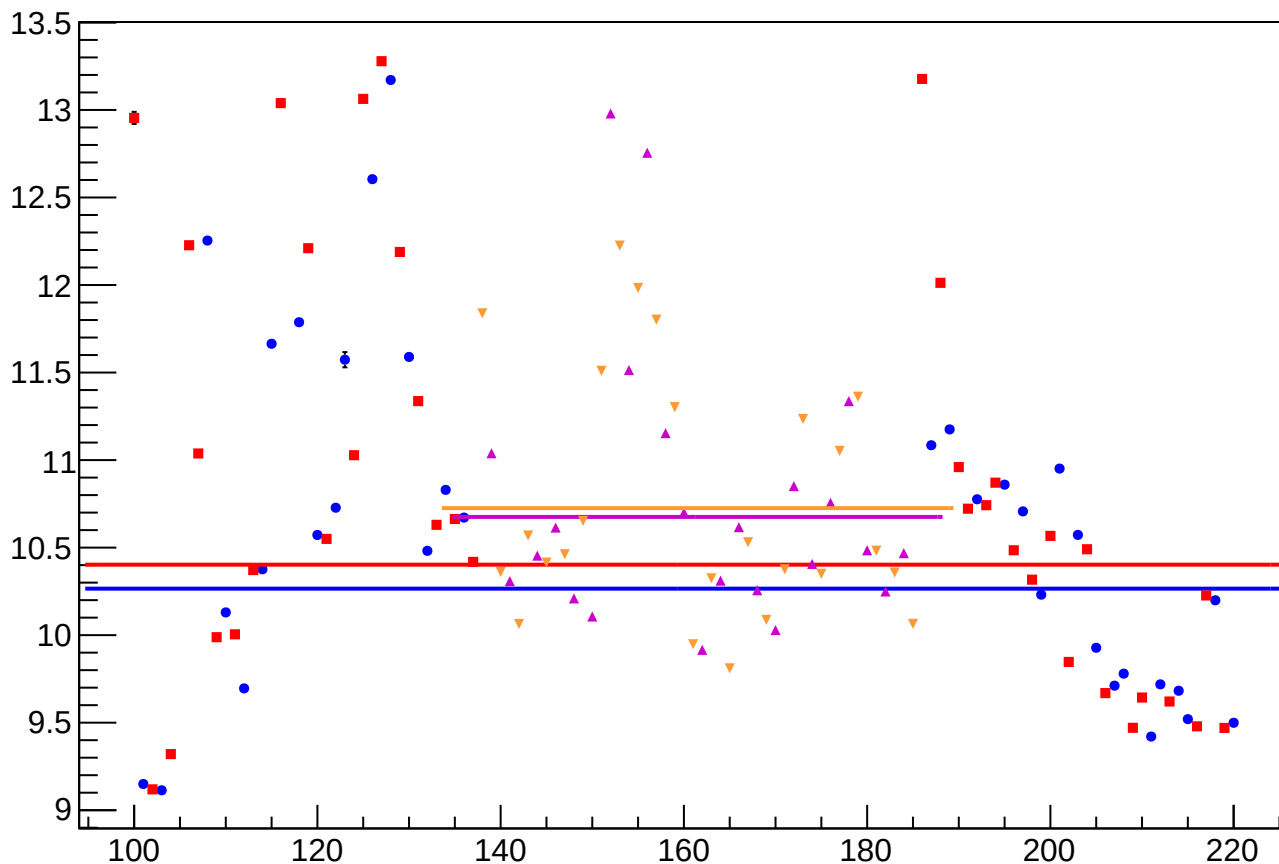
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign 0.321 ± 1.728 χ^2/NDF : 59.1/58

All: -0.047 ± 1.228 χ^2/NDF : 147.5/118

- sign -0.422 ± 1.745 χ^2/NDF : 88.3/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.266 $\pm$ 0.002 χ^2 /NDF: 248946.3/33

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132170.8/24

Right Out: 10.403 $\pm$ 0.002 χ^2 /NDF: 340056.4/36

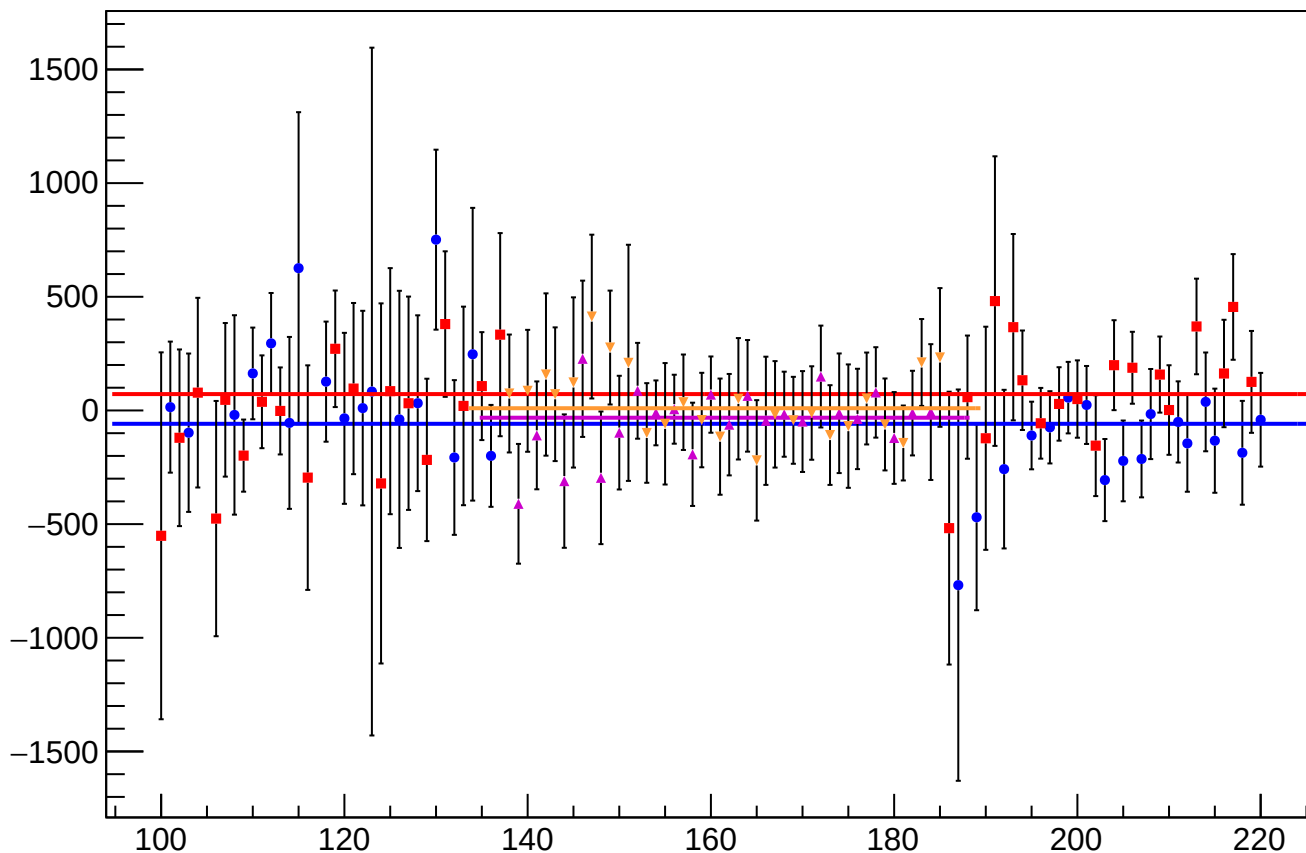
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.482 $\pm$ 0.001 χ^2 /NDF: 416410.8/58

All: 10.504 $\pm$ 0.001 χ^2 /NDF: 915245.6/118

- sign 10.528 $\pm$ 0.001 χ^2 /NDF: 498134.8/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -58.740 ± 41.240 χ^2/NDF : 17.7/33

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 71.977 ± 41.196 χ^2/NDF : 18.6/36

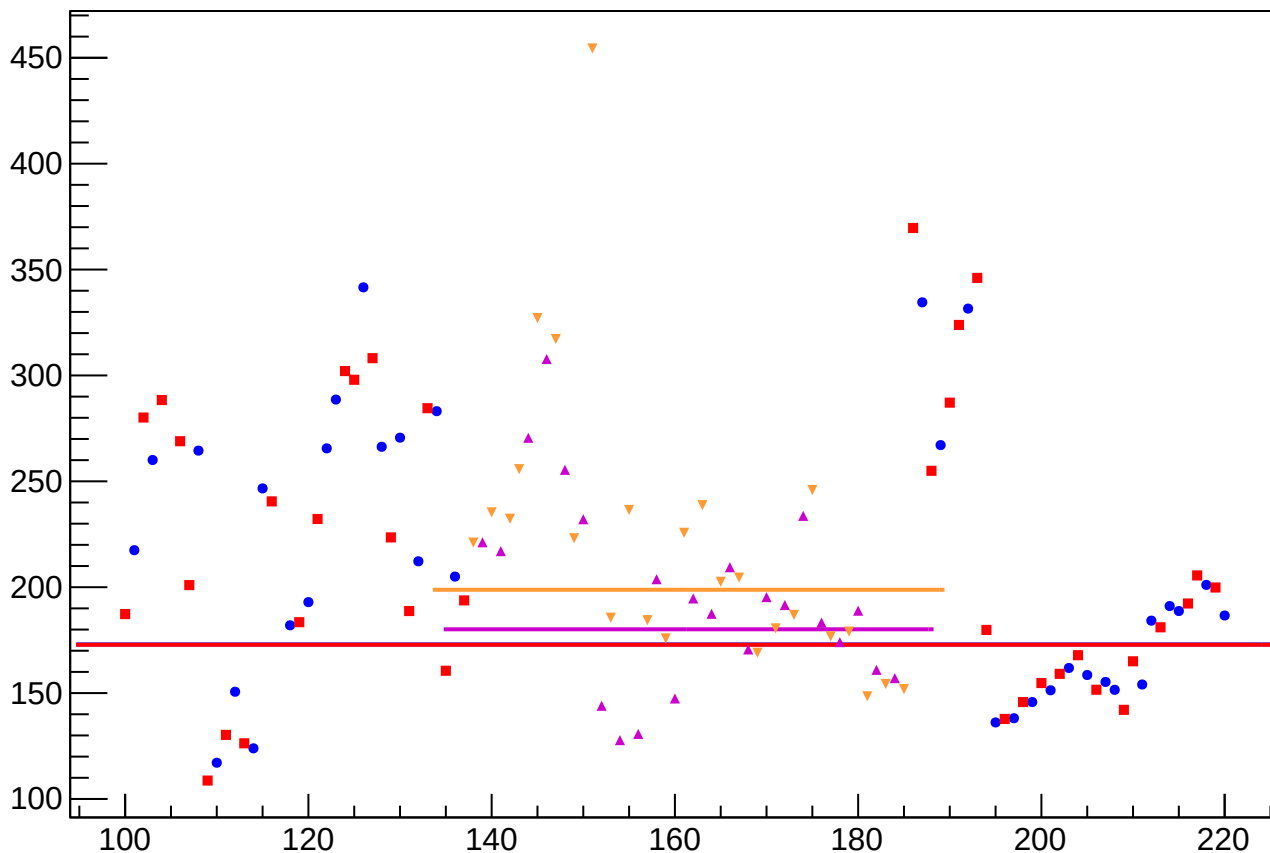
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -29.617 ± 31.274 χ^2/NDF : 26.5/58

All: -1.729 ± 21.798 χ^2/NDF : 56.7/118

- sign 24.617 ± 30.398 χ^2/NDF : 28.7/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.973 $\pm$ 0.029 χ^2 /NDF: 2202431.9/33

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF:1763119.1/24

Right Out: 172.830 $\pm$ 0.029 χ^2 /NDF: 2885126.4/36

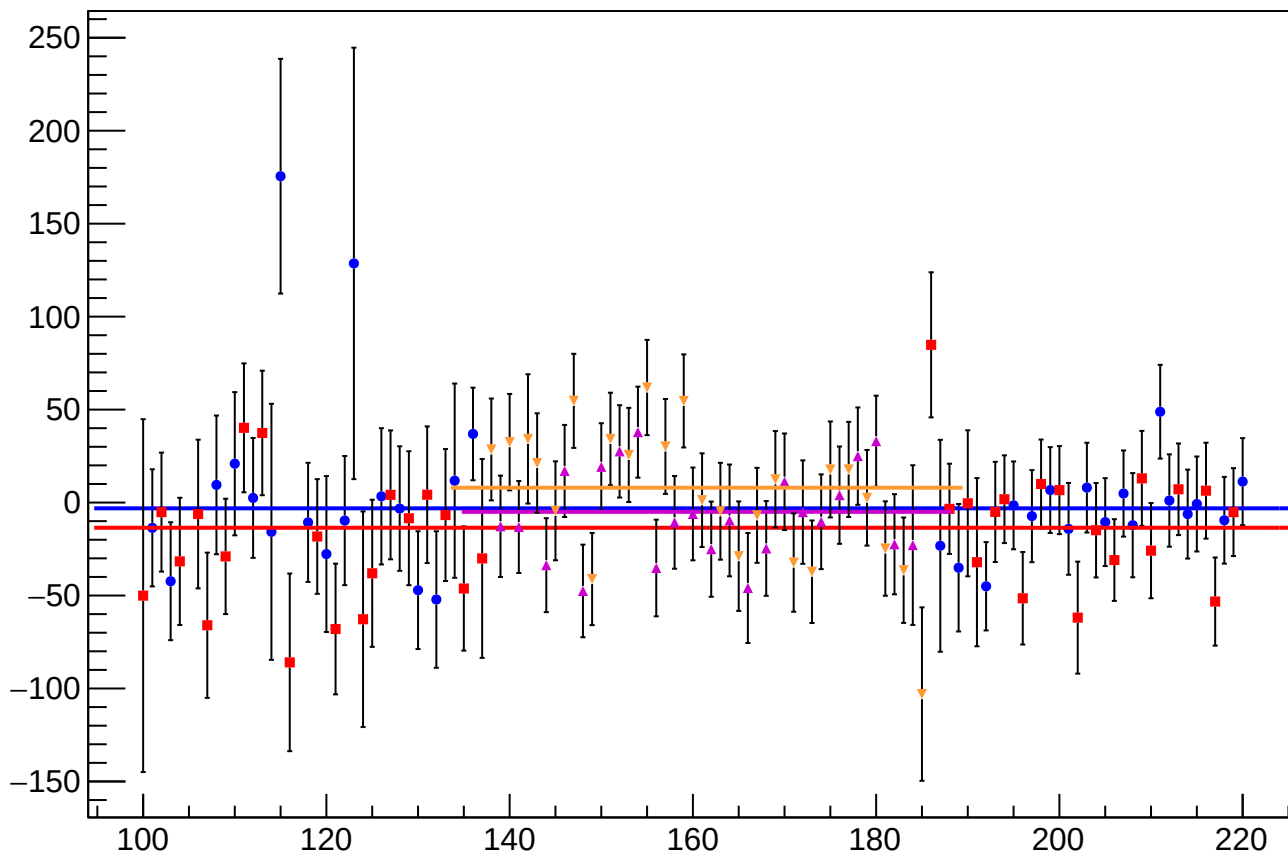
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

+ sign 183.947 $\pm$ 0.022 χ^2 /NDF: 4298858.8/58

All: 179.939 $\pm$ 0.015 χ^2 /NDF: 8870259.9/118

- sign 176.152 $\pm$ 0.021 χ^2 /NDF: 4507521.8/59

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.106 ± 5.046 $\chi^2/\text{NDF}: 28.2/33$

Left Out: 7.990 ± 5.327 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -13.550 ± 5.005 $\chi^2/\text{NDF}: 34.8/36$

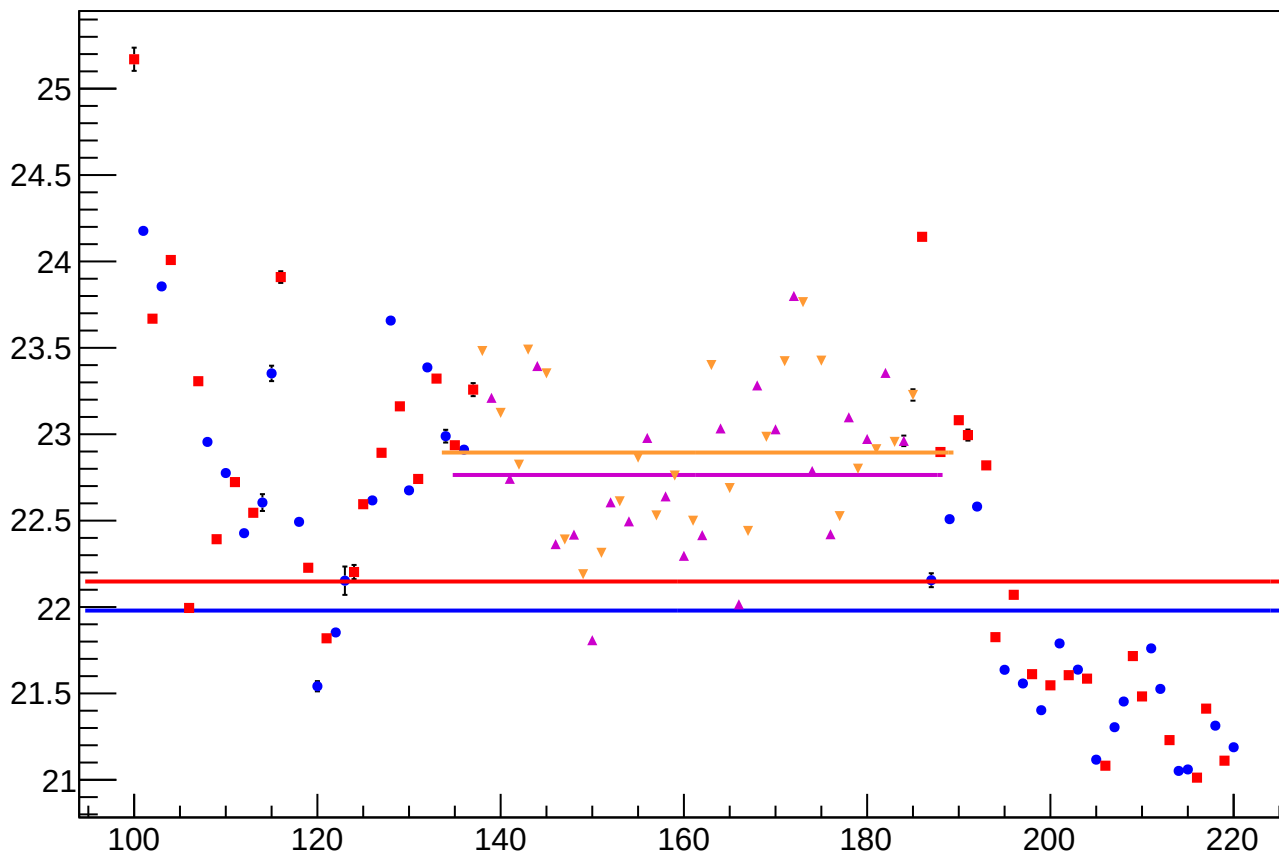
Left In: -4.973 ± 5.444 $\chi^2/\text{NDF}: 20.5/22$

+ sign 2.141 ± 3.663 $\chi^2/\text{NDF}: 67.9/58$

All: -3.706 ± 2.598 $\chi^2/\text{NDF}: 129.6/118$

- sign -9.621 ± 3.685 $\chi^2/\text{NDF}: 56.6/59$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.980 ± 0.004 $\chi^2/\text{NDF}: 54249.5/33$

Left Out: 22.894 ± 0.004 $\chi^2/\text{NDF}: 13070.5/24$

Right Out: 22.148 ± 0.004 $\chi^2/\text{NDF}: 59143.7/36$

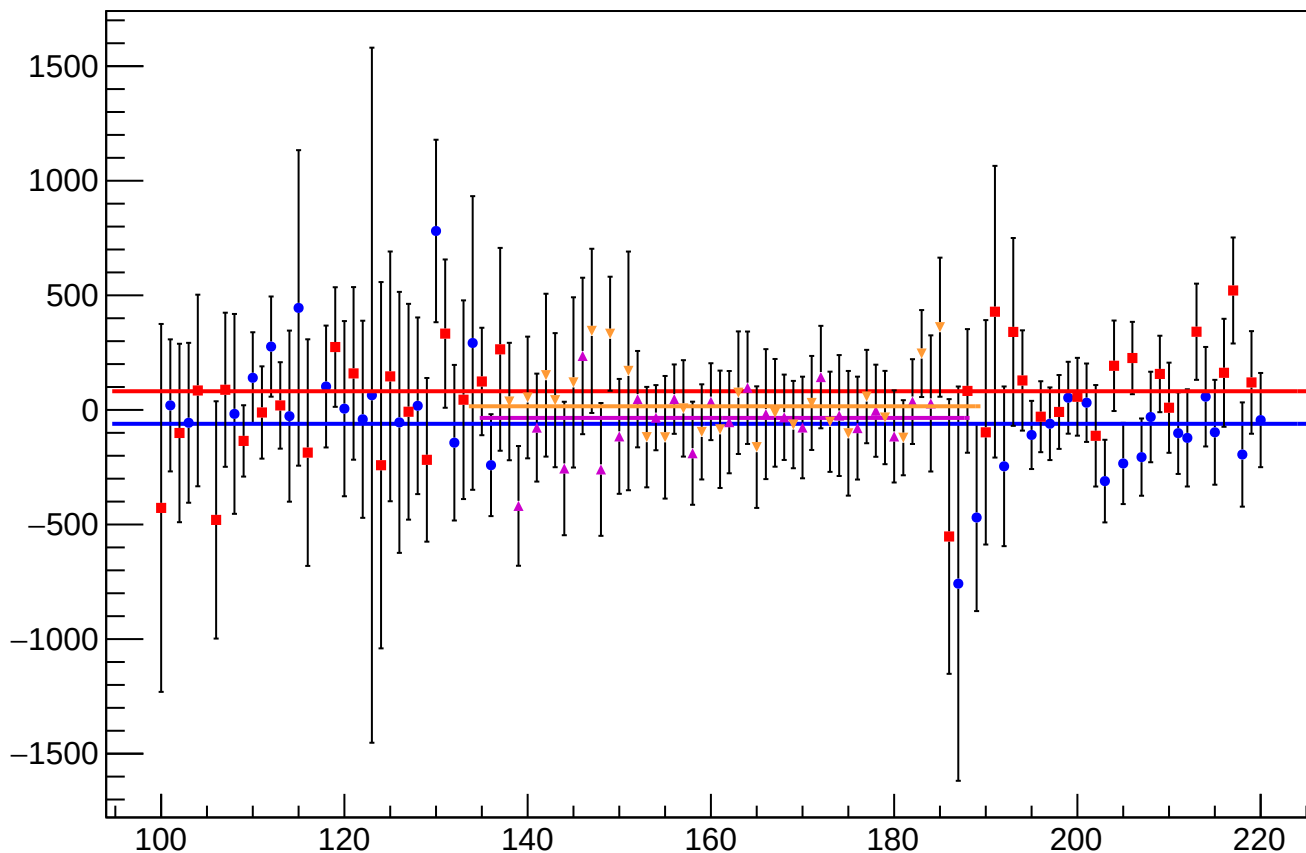
Left In: 22.764 ± 0.004 $\chi^2/\text{NDF}: 14665.7/22$

+ sign 22.412 ± 0.003 $\chi^2/\text{NDF}: 98392.2/58$

All: 22.421 ± 0.002 $\chi^2/\text{NDF}: 186126.7/118$

- sign 22.430 ± 0.003 $\chi^2/\text{NDF}: 87710.3/59$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -60.621 ± 41.123 χ^2/NDF : 17.3/33

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 81.489 ± 41.028 χ^2/NDF : 17.1/36

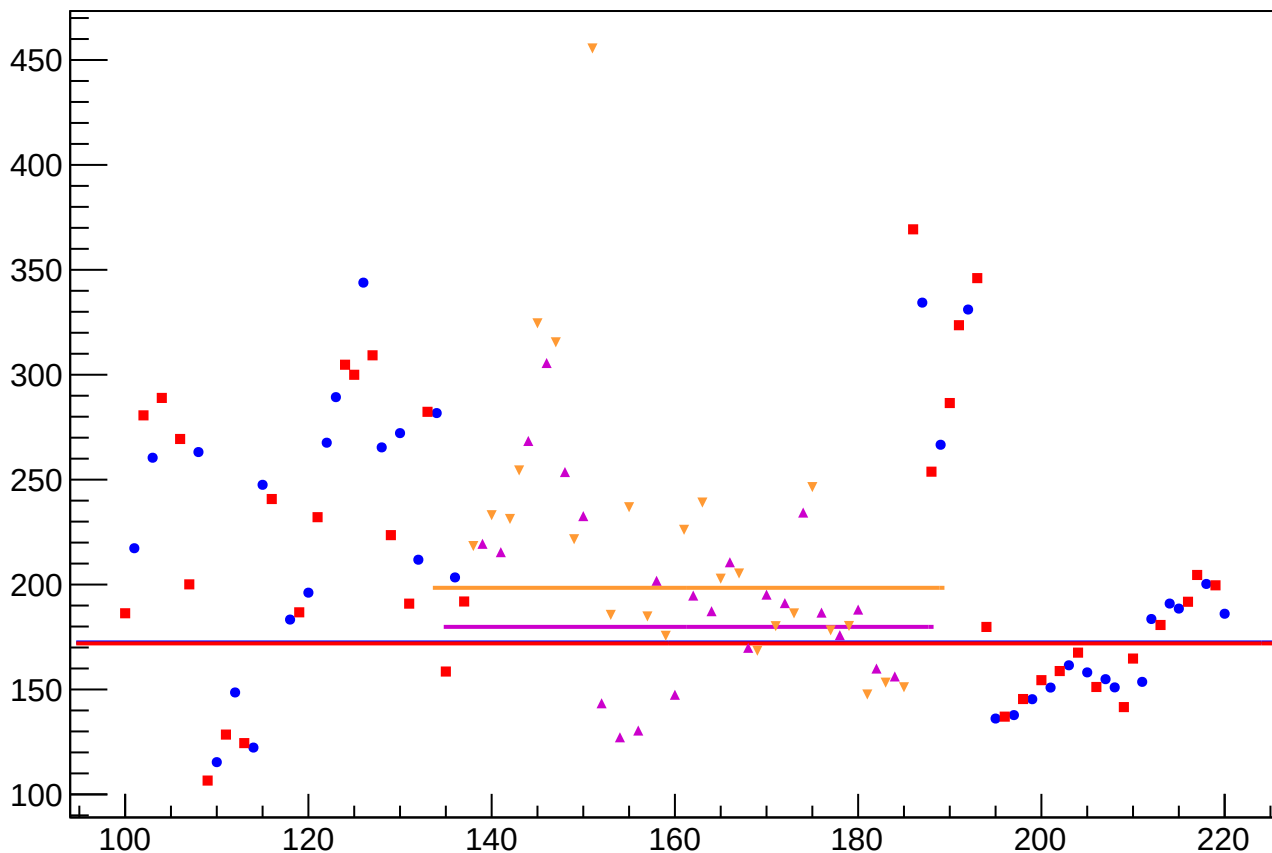
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign -28.149 ± 31.201 χ^2/NDF : 27.2/58

All: 1.053 ± 21.741 χ^2/NDF : 56.2/118

- sign 28.610 ± 30.310 χ^2/NDF : 27.3/59

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.417 $\pm$ 0.029 χ^2/NDF : 2233619.5/33

Left Out: 198.450 $\pm$ 0.034 χ^2/NDF : 1761433.9/24

Right Out: 171.949 $\pm$ 0.029 χ^2/NDF : 2955723.7/36

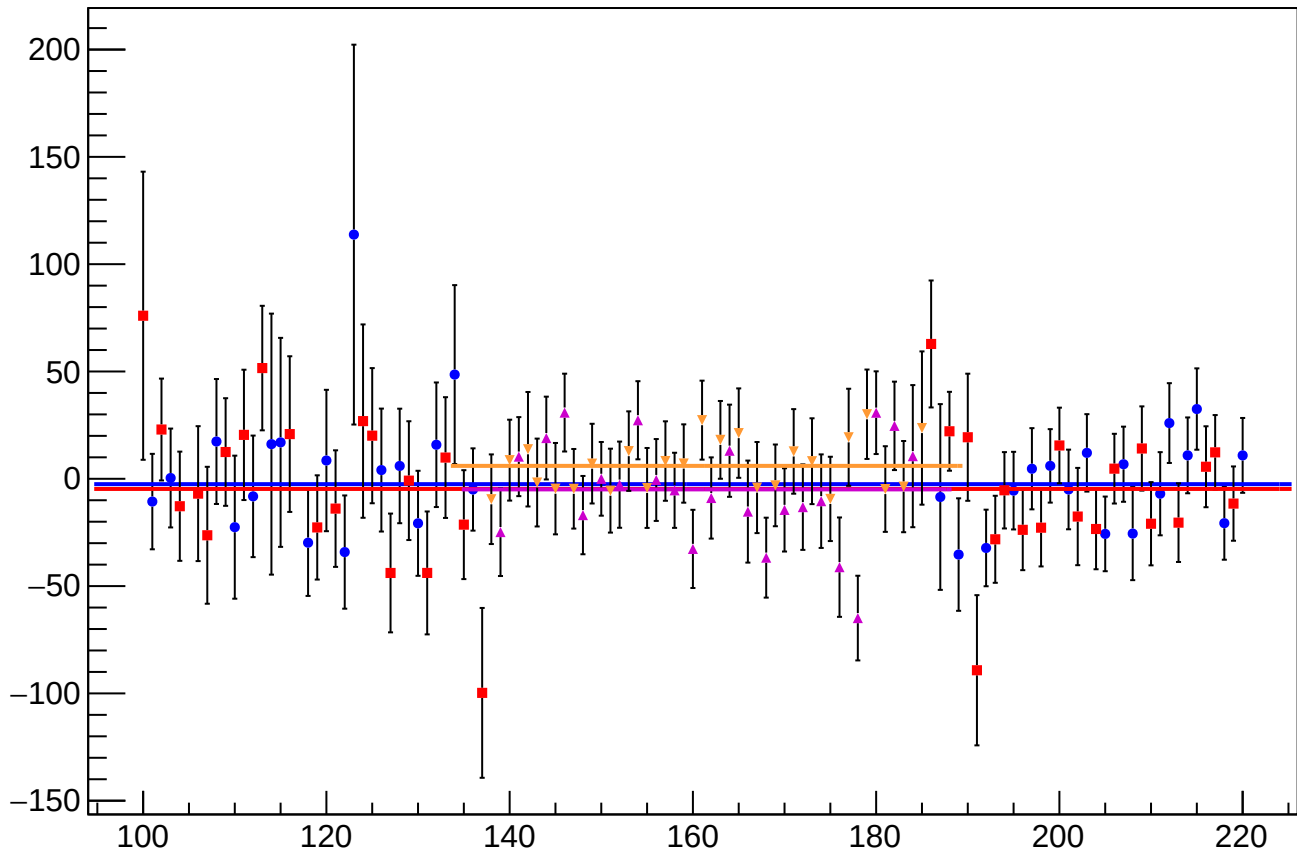
Left In: 179.839 $\pm$ 0.032 χ^2/NDF : 1588834.3/22

+ sign 183.463 $\pm$ 0.022 χ^2/NDF : 4335156.8/58

All: 179.383 $\pm$ 0.015 χ^2/NDF : 8979784.4/118

- sign 175.533 $\pm$ 0.021 χ^2/NDF : 4578156.0/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.503 $\pm$ 3.830 χ^2/NDF : 25.1/33

Left Out: 6.020 $\pm$ 4.017 χ^2/NDF : 8.1/24

Right Out: -4.734 $\pm$ 3.806 χ^2/NDF : 44.9/36

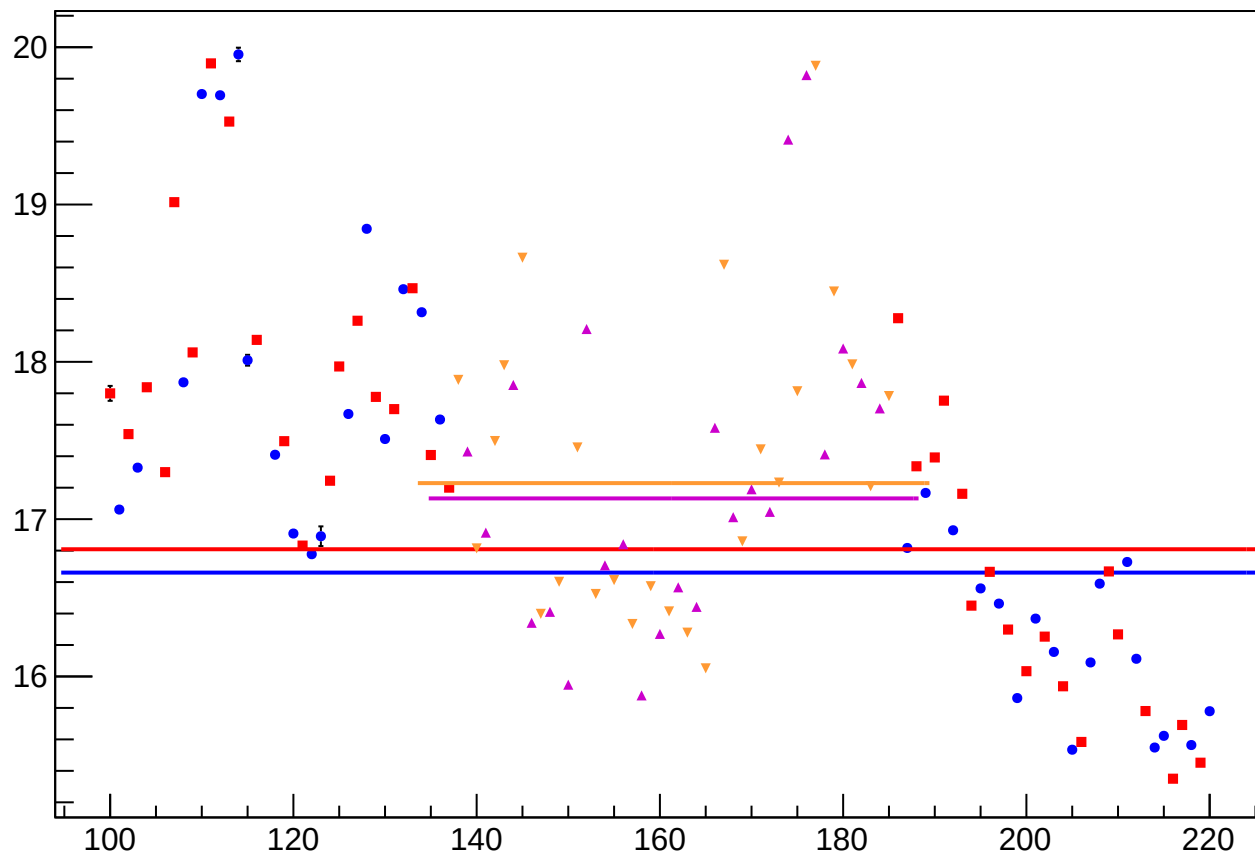
Left In: -4.943 $\pm$ 4.108 χ^2/NDF : 34.8/22

+ sign 1.555 $\pm$ 2.772 χ^2/NDF : 35.6/58

All: -1.615 $\pm$ 1.967 χ^2/NDF : 118.0/118

- sign -4.831 $\pm$ 2.792 χ^2/NDF : 79.7/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.660 $\pm$ 0.003 χ^2 /NDF: 136619.1/33

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF: 98624.7/24

Right Out: 16.809 $\pm$ 0.003 χ^2 /NDF: 157459.4/36

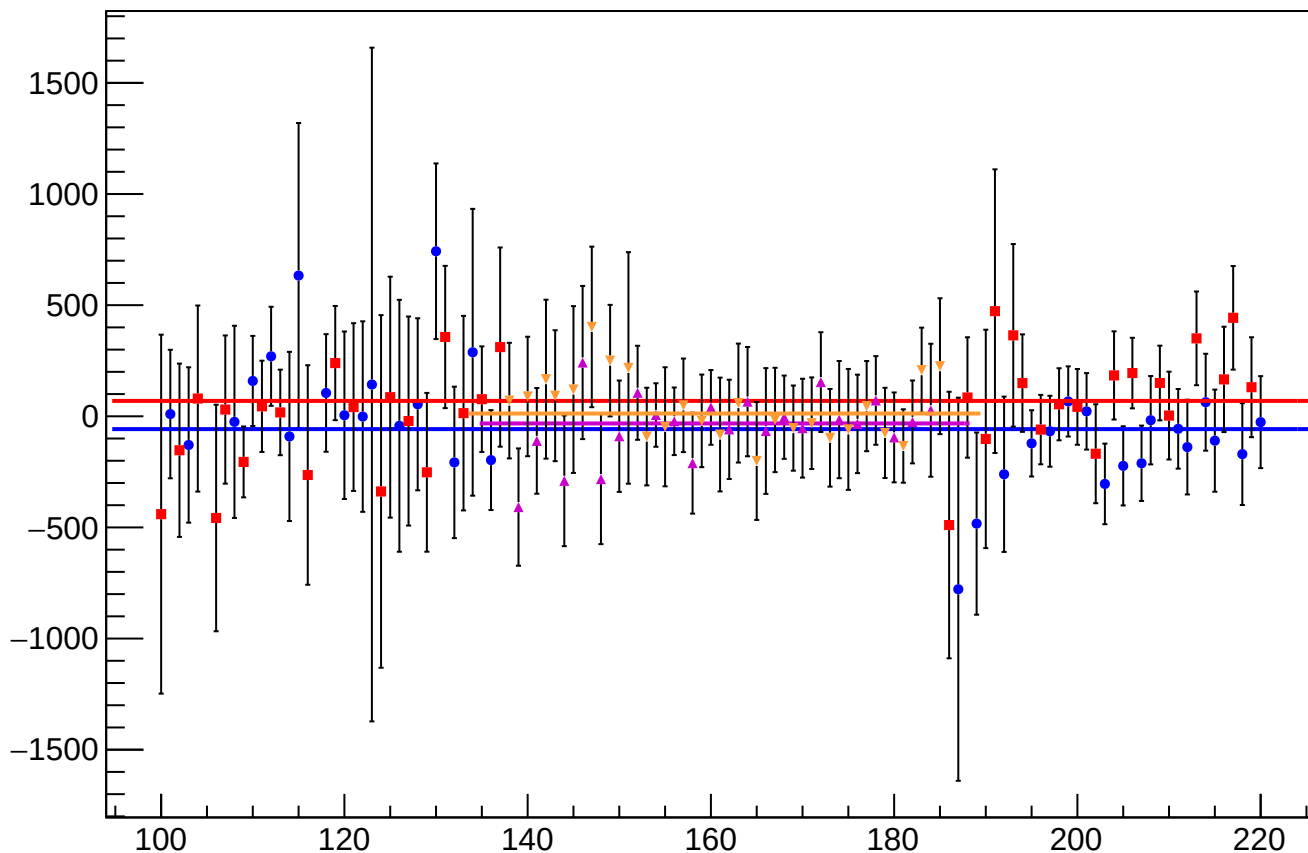
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 16.931 $\pm$ 0.002 χ^2 /NDF: 256251.4/58

All: 16.944 $\pm$ 0.001 χ^2 /NDF: 524461.8/118

- sign 16.958 $\pm$ 0.002 χ^2 /NDF: 268117.6/59

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -57.684 ± 41.364 χ^2/NDF : 17.4/33

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 69.210 ± 41.306 χ^2/NDF : 17.8/36

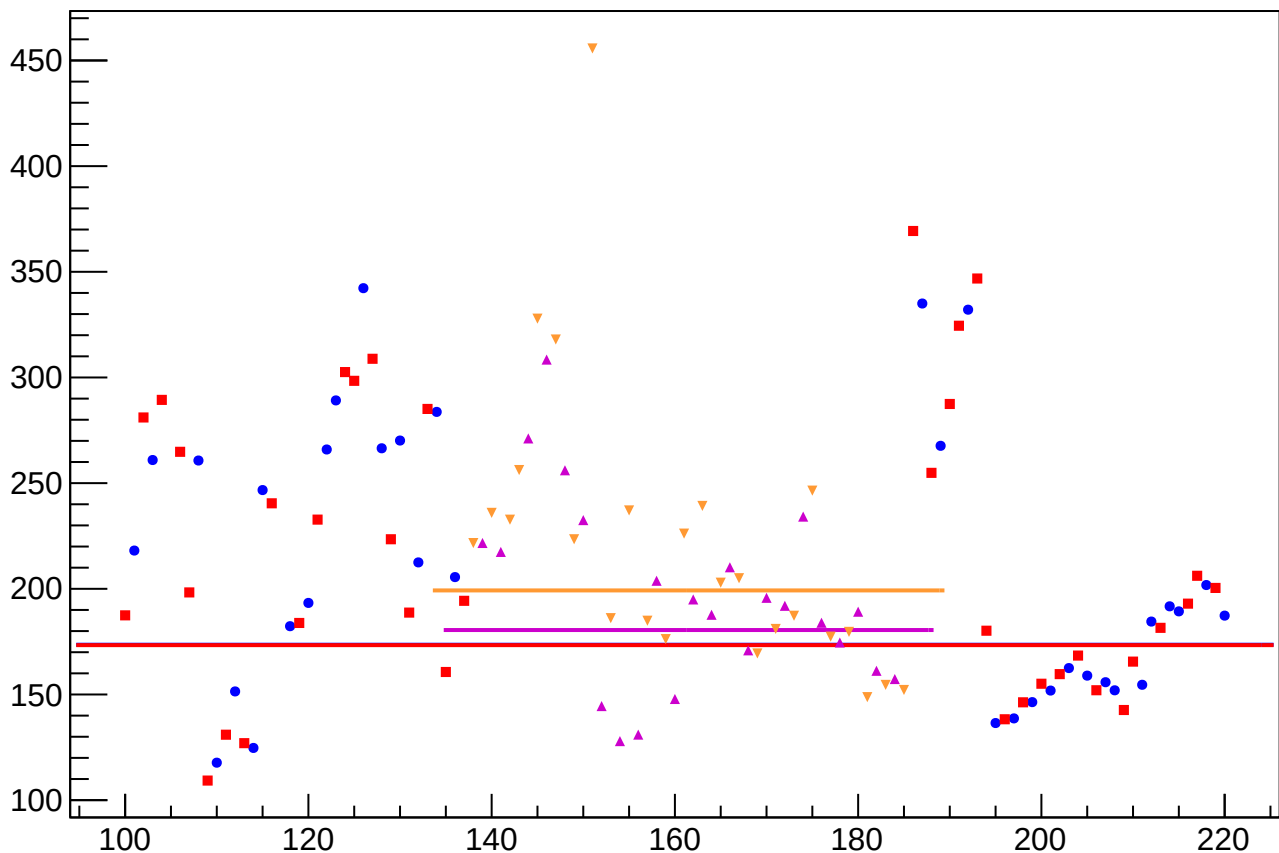
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign -27.847 ± 31.359 χ^2/NDF : 25.5/58

All: -1.693 ± 21.853 χ^2/NDF : 54.3/118

- sign 23.002 ± 30.471 χ^2/NDF : 27.5/59

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.540 $\pm$ 0.029 χ^2 /NDF: 2184162.7/33

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 173.351 $\pm$ 0.029 χ^2 /NDF: 2860450.0/36

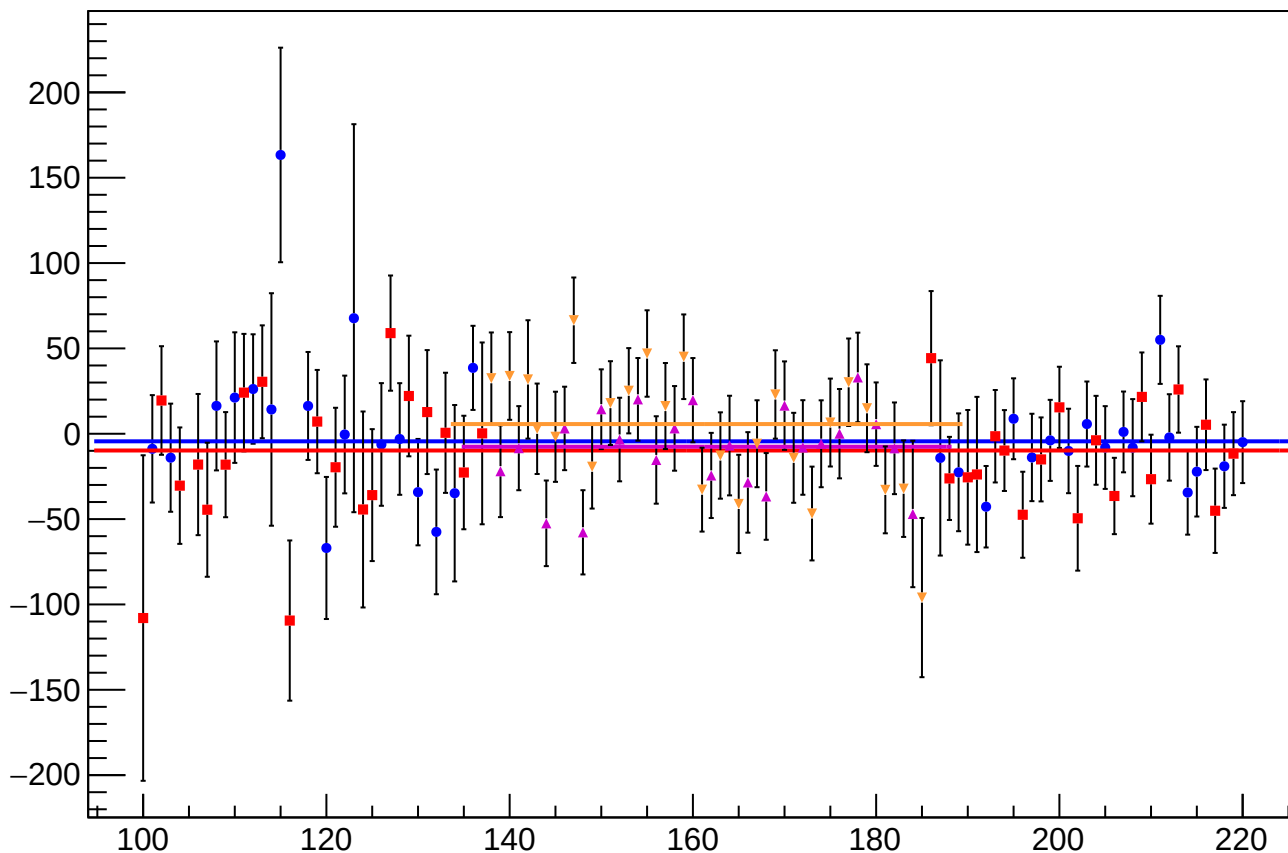
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 184.470 $\pm$ 0.022 χ^2 /NDF: 4276624.1/58

All: 180.426 $\pm$ 0.015 χ^2 /NDF: 8822804.2/118

- sign 176.607 $\pm$ 0.022 χ^2 /NDF: 4481495.7/59

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.432 ± 5.106 χ^2/NDF : 29.8/33

Left Out: 5.673 ± 5.278 χ^2/NDF : 36.4/24

Right Out: -9.807 ± 5.048 χ^2/NDF : 32.5/36

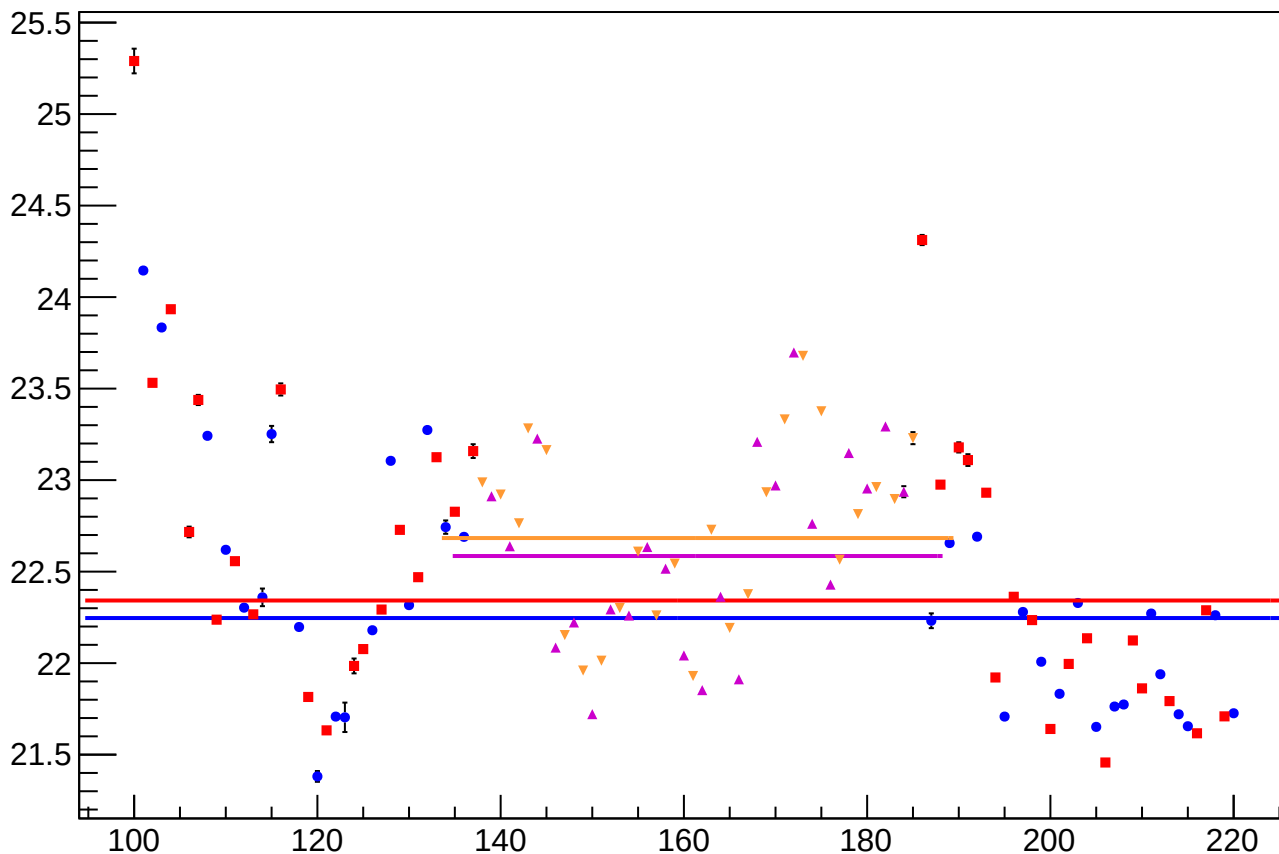
Left In: -7.594 ± 5.402 χ^2/NDF : 18.3/22

+ sign 0.453 ± 3.670 χ^2/NDF : 68.1/58

All: -4.138 ± 2.601 χ^2/NDF : 122.0/118

- sign -8.775 ± 3.688 χ^2/NDF : 50.8/59

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.246 $\pm$ 0.004 χ^2 /NDF: 28167.8/33

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16318.1/24

Right Out: 22.342 $\pm$ 0.004 χ^2 /NDF: 35201.2/36

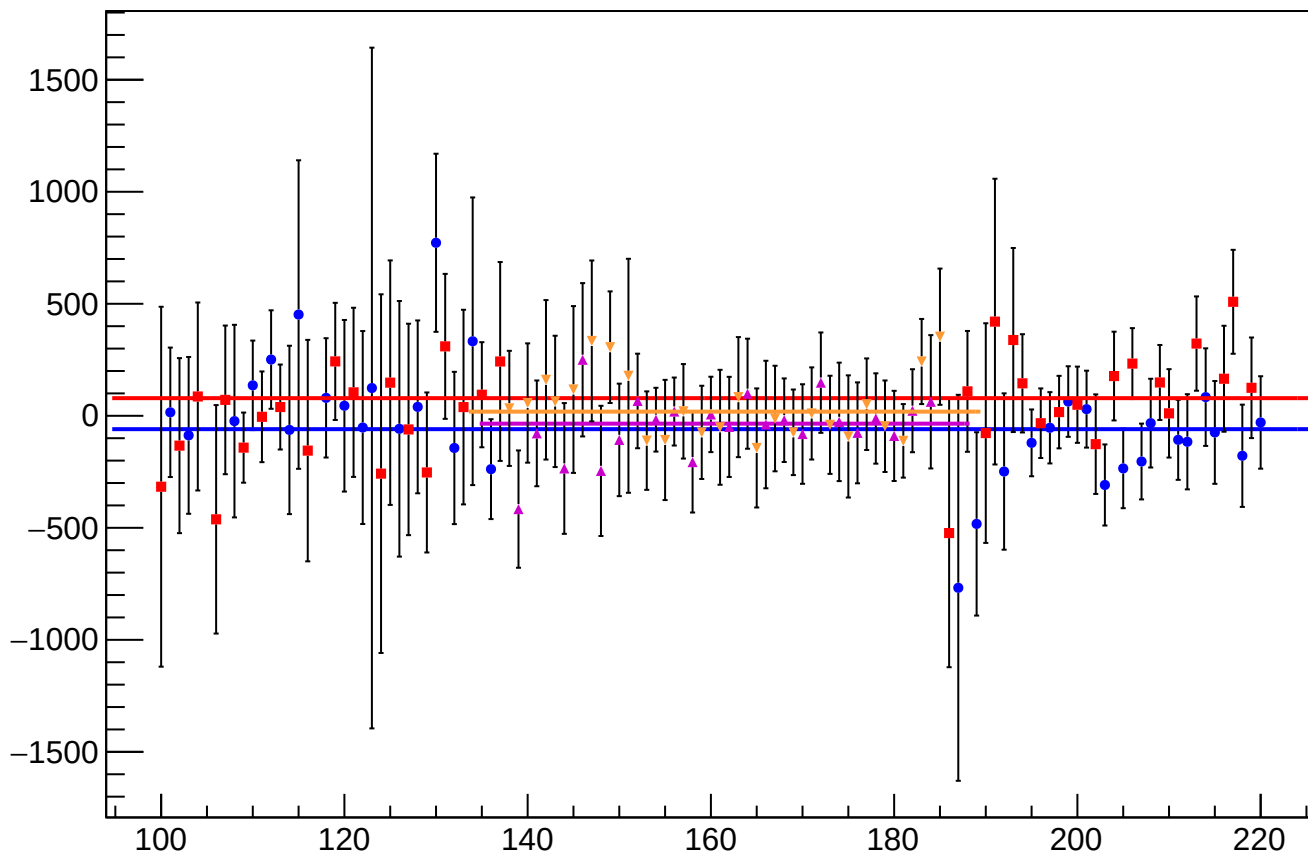
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF:18087.5/22

+ sign 22.458 $\pm$ 0.003 χ^2 /NDF: 51570.5/58

All: 22.457 $\pm$ 0.002 χ^2 /NDF: 107021.1/118

- sign 22.456 $\pm$ 0.003 χ^2 /NDF: 55450.3/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -59.633 ± 41.248 χ^2/NDF : 17.1/33

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 78.767 ± 41.140 χ^2/NDF : 16.2/36

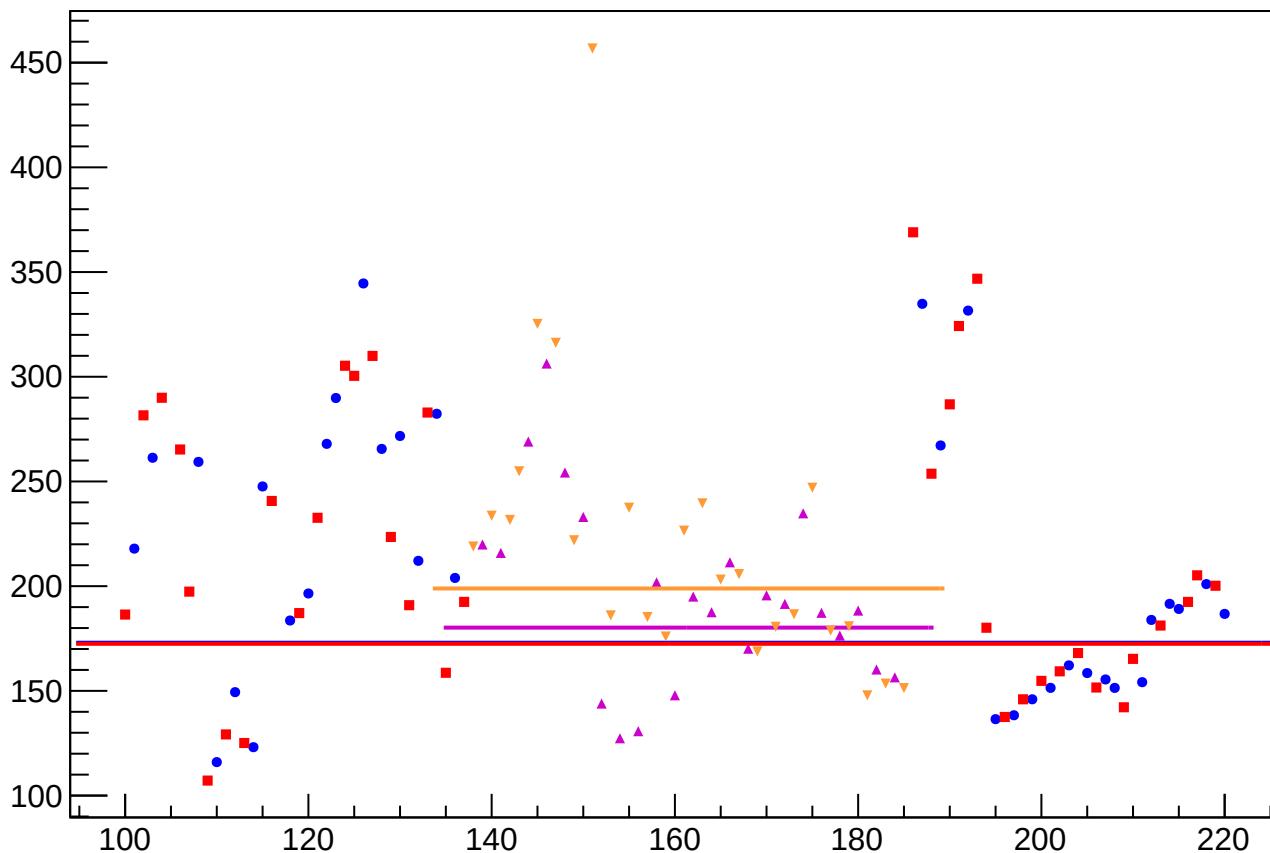
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign -26.392 ± 31.286 χ^2/NDF : 26.2/58

All: 1.101 ± 21.796 χ^2/NDF : 53.6/118

- sign 27.030 ± 30.383 χ^2/NDF : 26.0/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.989 $\pm$ 0.029 χ^2 /NDF: 2214745.0/33

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF: 1762454.6/24

Right Out: 172.476 $\pm$ 0.029 χ^2 /NDF: 2930093.5/36

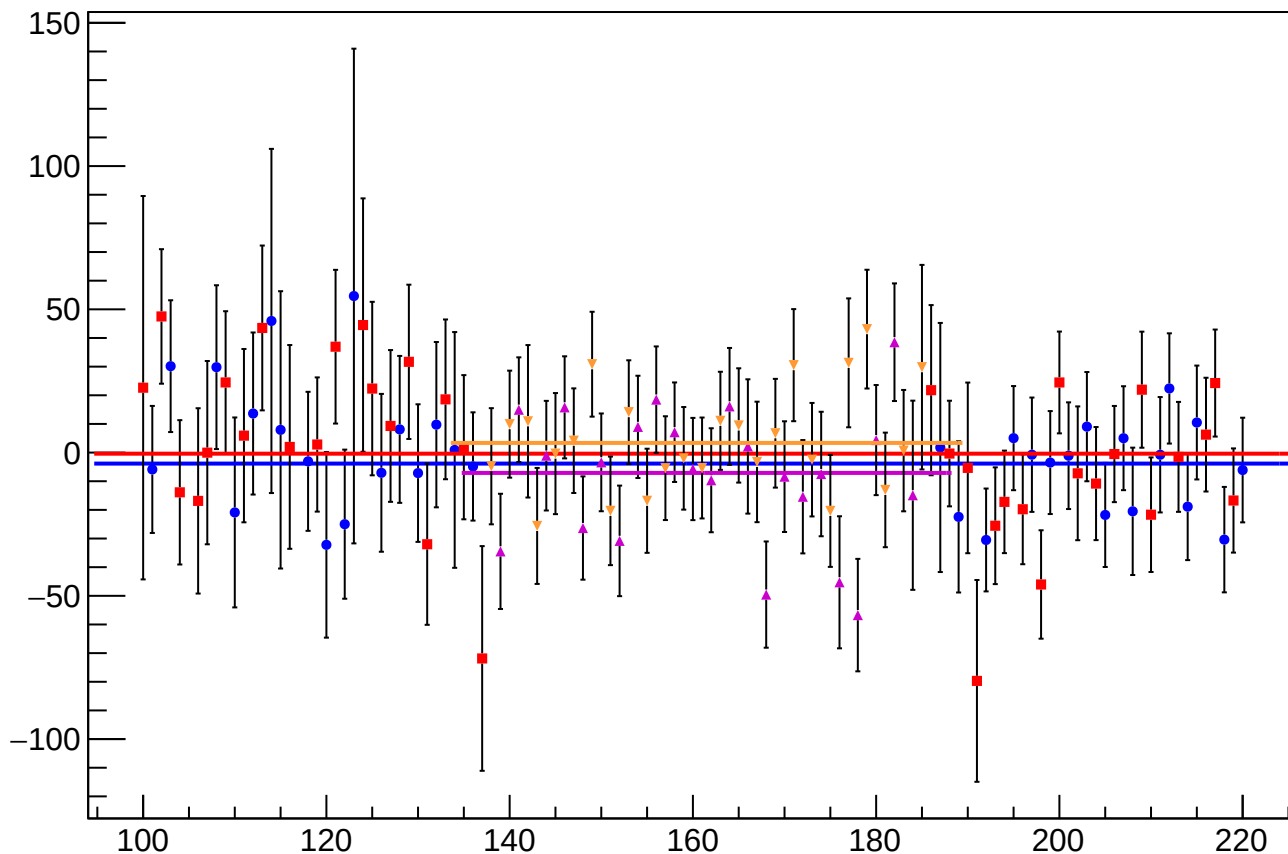
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF: 1589005.4/22

+ sign 183.990 $\pm$ 0.022 χ^2 /NDF: 4312150.9/58

All: 179.873 $\pm$ 0.015 χ^2 /NDF: 8930652.6/118

- sign 175.990 $\pm$ 0.021 χ^2 /NDF: 4551208.6/59

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.842 ± 3.910 χ^2/NDF : 17.7/33

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -0.384 ± 3.866 χ^2/NDF : 40.6/36

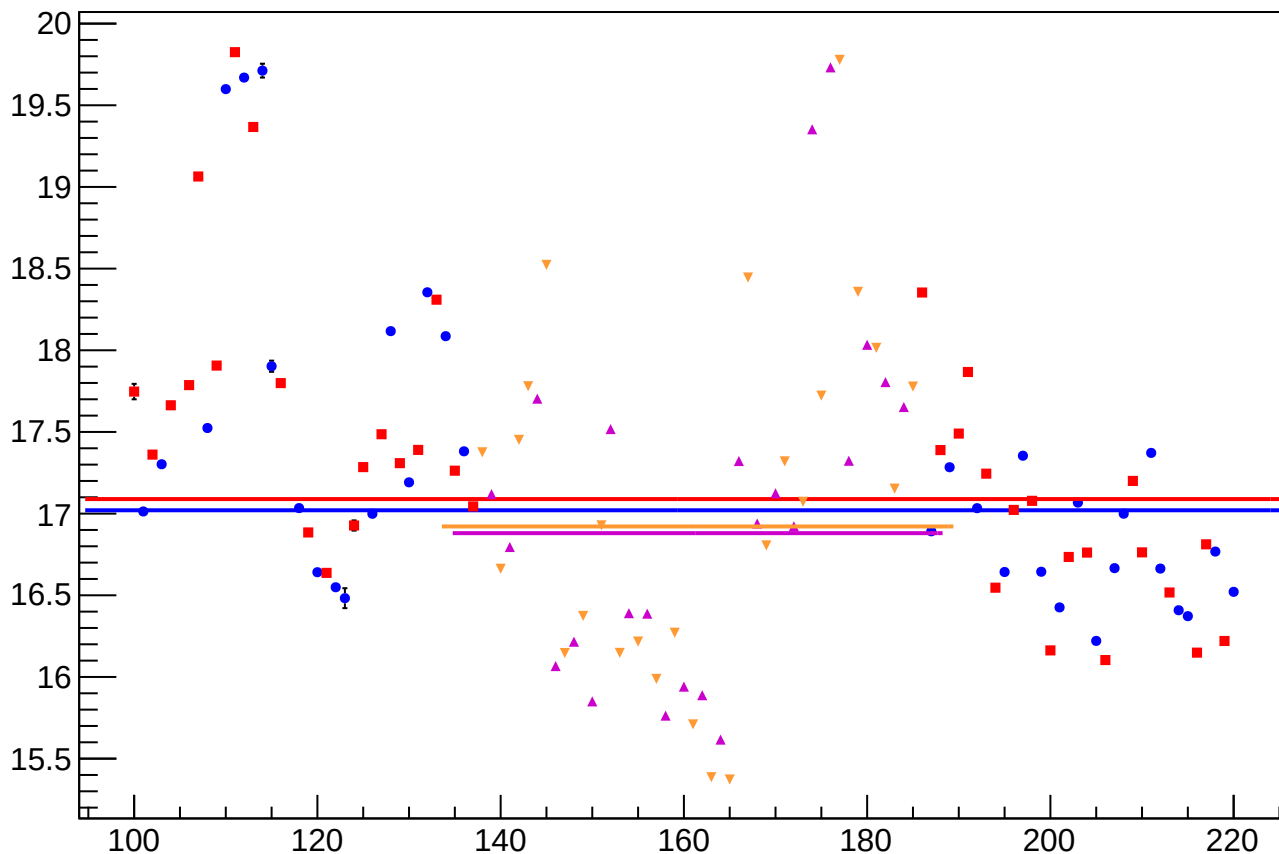
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign -0.268 ± 2.778 χ^2/NDF : 38.2/58

All: -1.917 ± 1.970 χ^2/NDF : 113.5/118

- sign -3.587 ± 2.796 χ^2/NDF : 74.6/59

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.020 $\pm$ 0.003 χ^2 /NDF: 63025.6/33

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.089 $\pm$ 0.003 χ^2 /NDF: 80169.7/36

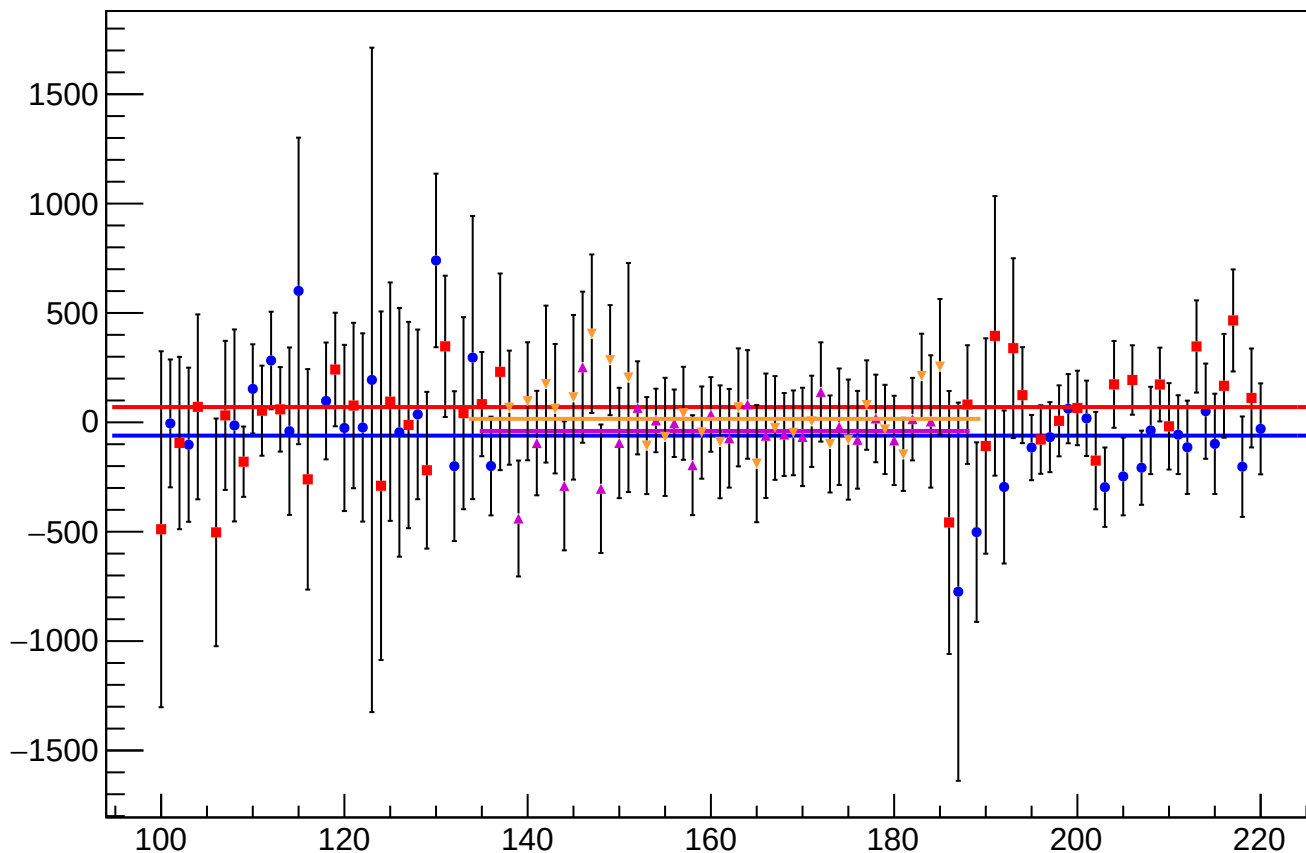
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 16.971 $\pm$ 0.002 χ^2 /NDF: 202651.3/58

All: 16.980 $\pm$ 0.001 χ^2 /NDF: 407379.0/118

- sign 16.990 $\pm$ 0.002 χ^2 /NDF: 204685.4/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -60.701 ± 41.474 χ^2/NDF : 17.4/33

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 69.838 ± 41.436 χ^2/NDF : 17.1/36

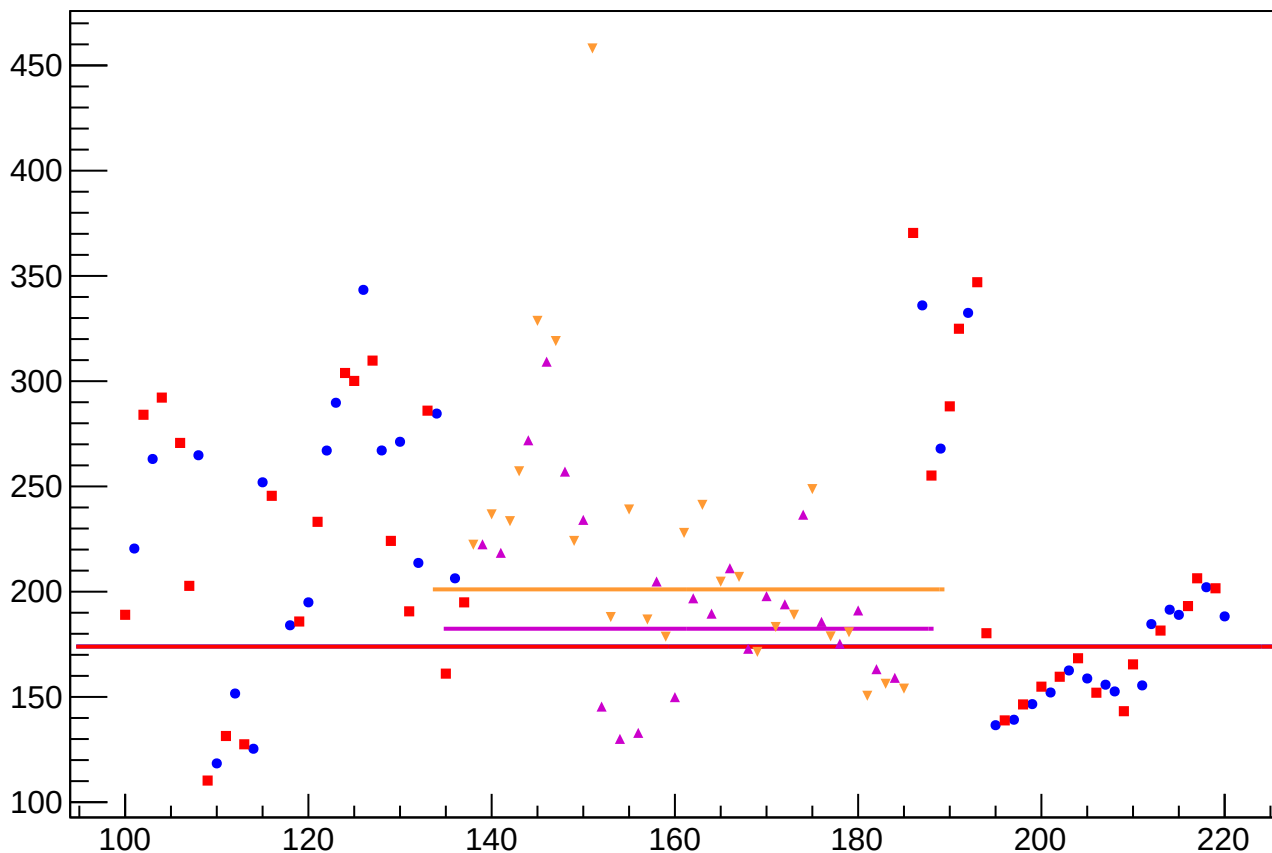
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign -28.319 ± 31.522 χ^2/NDF : 26.2/58

All: -3.278 ± 21.977 χ^2/NDF : 54.5/118

- sign 20.409 ± 30.658 χ^2/NDF : 27.1/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 173.981+/-0.029 χ^2/NDF : 2196823.4/33

Left Out: 201.091+/-0.034 χ^2/NDF :1731069.1/24

Right Out: 173.897+/-0.029 χ^2/NDF : 2870249.6/36

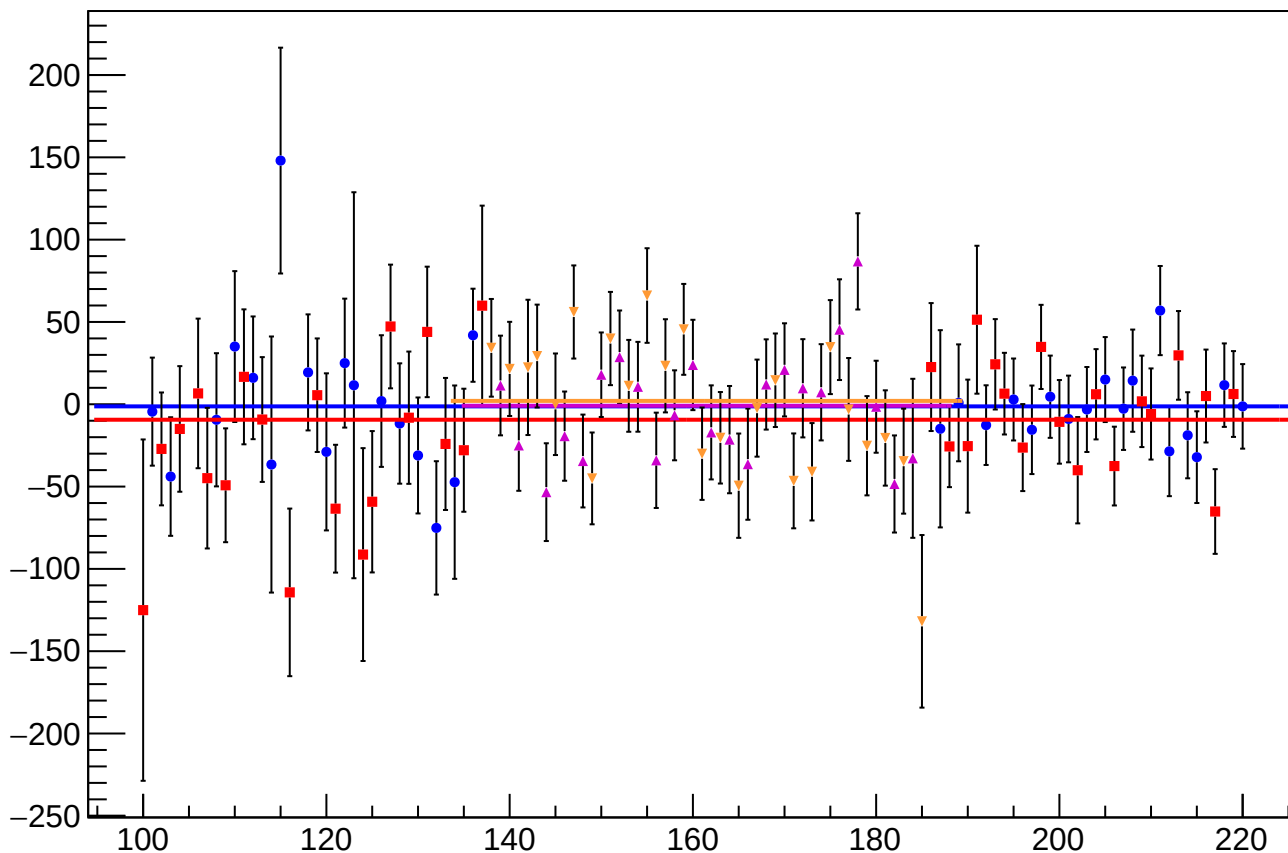
Left In: 182.396+/-0.032 χ^2/NDF :1548907.7/22

+ sign 185.431+/-0.022 χ^2/NDF : 4288804.8/58

All: 181.481+/-0.016 χ^2/NDF : 8807180.5/118

- sign 177.743+/-0.022 χ^2/NDF : 4457240.2/59

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.279 ± 5.491 χ^2/NDF : 24.4/33

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -9.391 ± 5.410 χ^2/NDF : 37.8/36

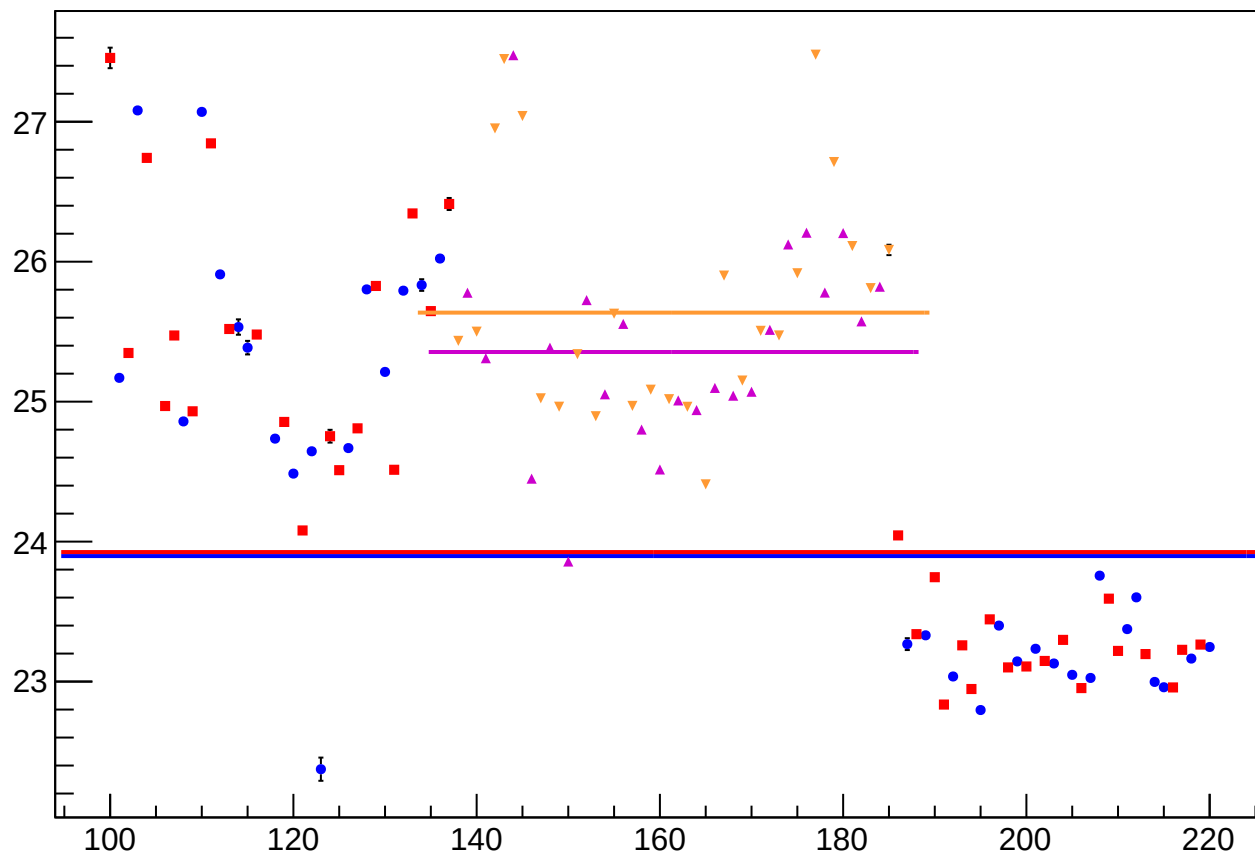
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 0.248 ± 4.041 χ^2/NDF : 64.0/58

All: -2.694 ± 2.857 χ^2/NDF : 131.0/118

- sign -5.632 ± 4.039 χ^2/NDF : 66.0/59

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.897 ± 0.004 $\chi^2/\text{NDF}: 92238.4/33$

Left Out: 25.636 ± 0.004 $\chi^2/\text{NDF}: 35130.7/24$

Right Out: 23.925 ± 0.004 $\chi^2/\text{NDF}: 85800.7/36$

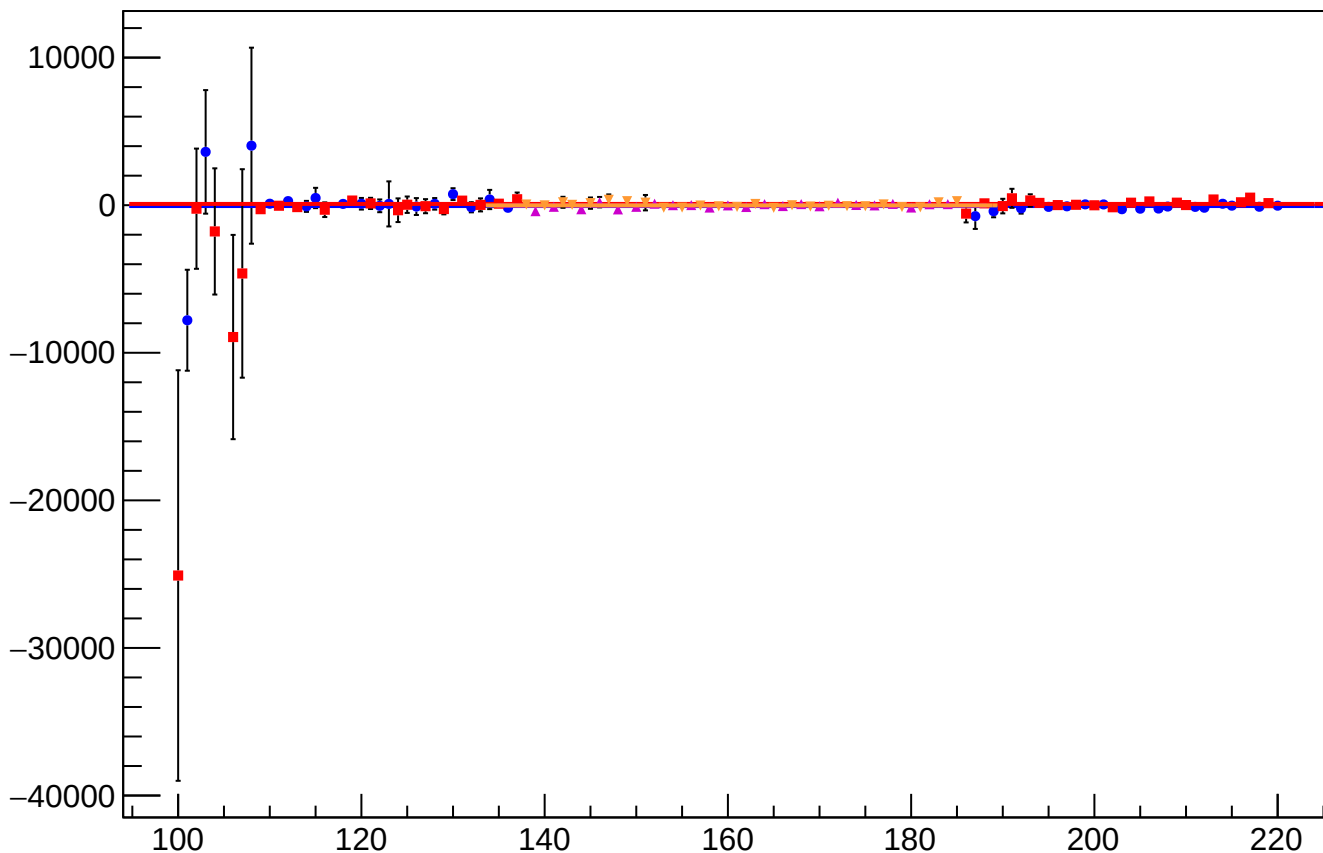
Left In: 25.355 ± 0.004 $\chi^2/\text{NDF}: 29766.2/22$

+ sign 24.694 ± 0.003 $\chi^2/\text{NDF}: 219350.5/58$

All: 24.626 ± 0.002 $\chi^2/\text{NDF}: 397850.0/118$

- sign 24.558 ± 0.003 $\chi^2/\text{NDF}: 177375.6/59$

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -57.980 ± 43.192 χ^2/NDF : 22.0/33

Left Out: -12.820 ± 48.216 χ^2/NDF : 7.9/24

Right Out: 84.771 ± 43.767 χ^2/NDF : 24.4/36

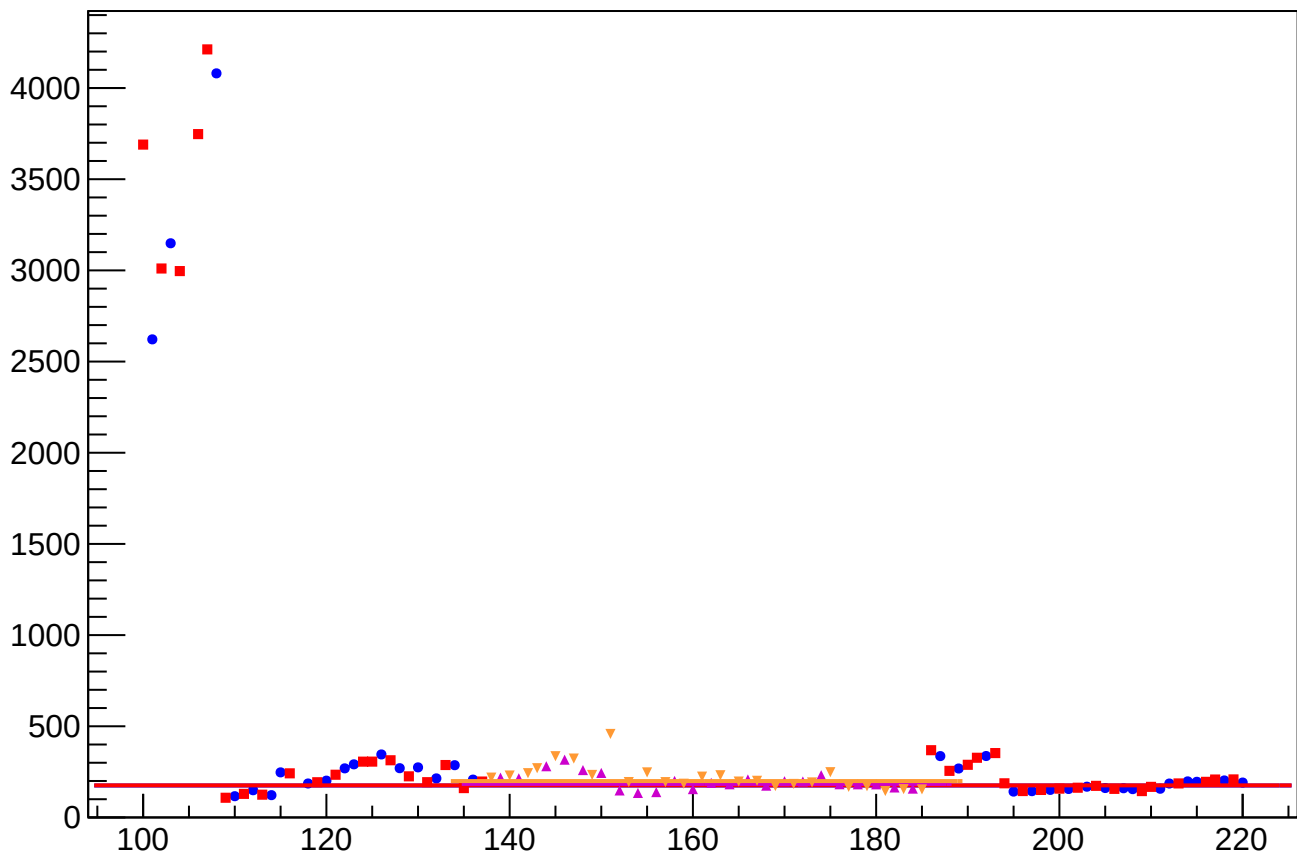
Left In: -26.836 ± 45.876 χ^2/NDF : 7.5/22

+ sign -37.875 ± 32.171 χ^2/NDF : 30.4/58

All: -2.594 ± 22.568 χ^2/NDF : 67.8/118

- sign 31.591 ± 31.667 χ^2/NDF : 35.0/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.087+/-0.031 χ^2/NDF : 4610215.5/33

Left Out: 199.536+/-0.034 χ^2/NDF :1880548.8/24

Right Out: 175.958+/-0.031 χ^2/NDF : 5501459.4/36

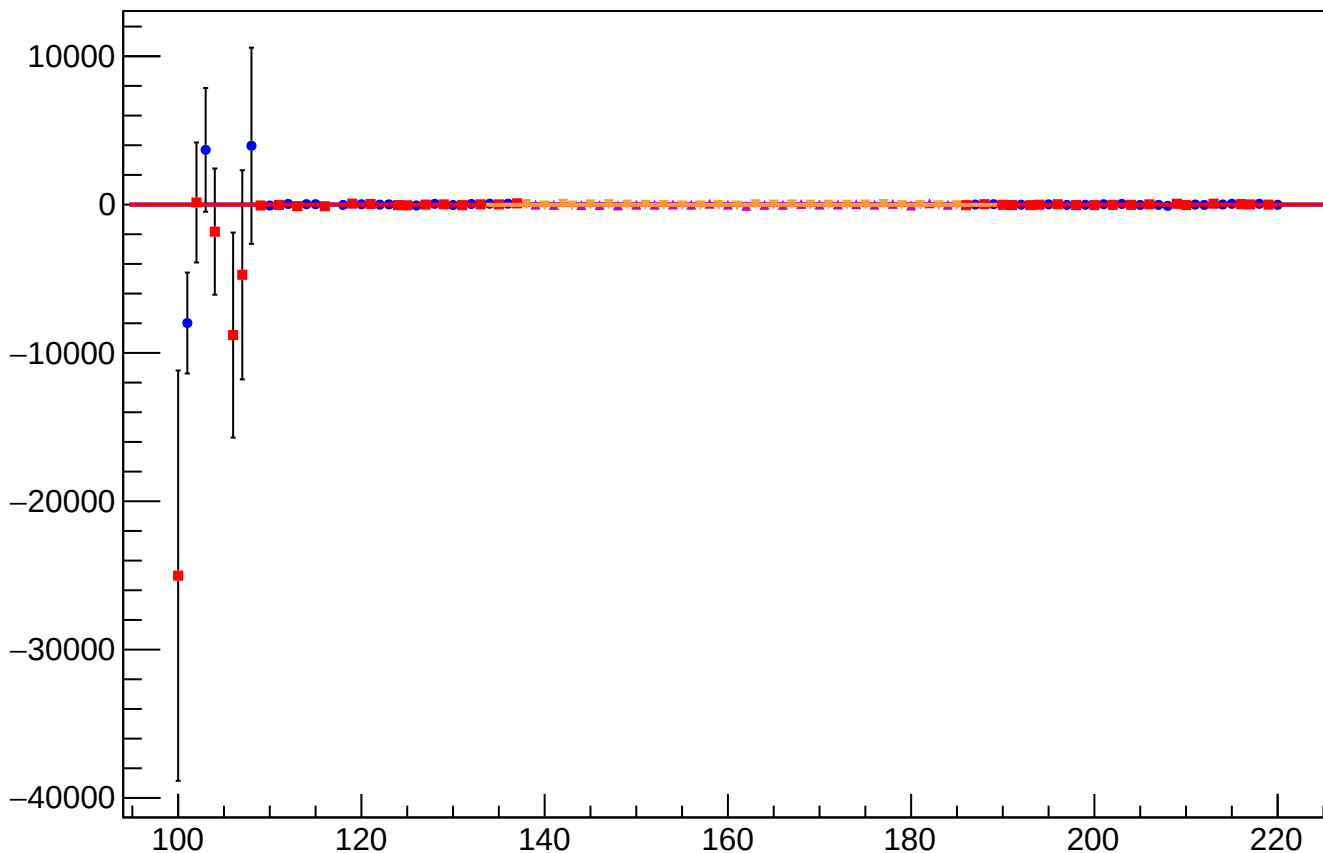
Left In: 184.031+/-0.032 χ^2/NDF :1423454.3/22

+ sign 185.971+/-0.023 χ^2/NDF : 6776056.8/58

All: 182.840+/-0.016 χ^2/NDF : 13770715.5/11

- sign 179.805+/-0.022 χ^2/NDF : 6957340.0/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.484 $\pm$ 6.575 χ^2 /NDF: 36.6/33

Left Out: -17.580 $\pm$ 6.694 χ^2 /NDF:22.3/24

Right Out: -3.158 $\pm$ 6.587 χ^2 /NDF: 39.9/36

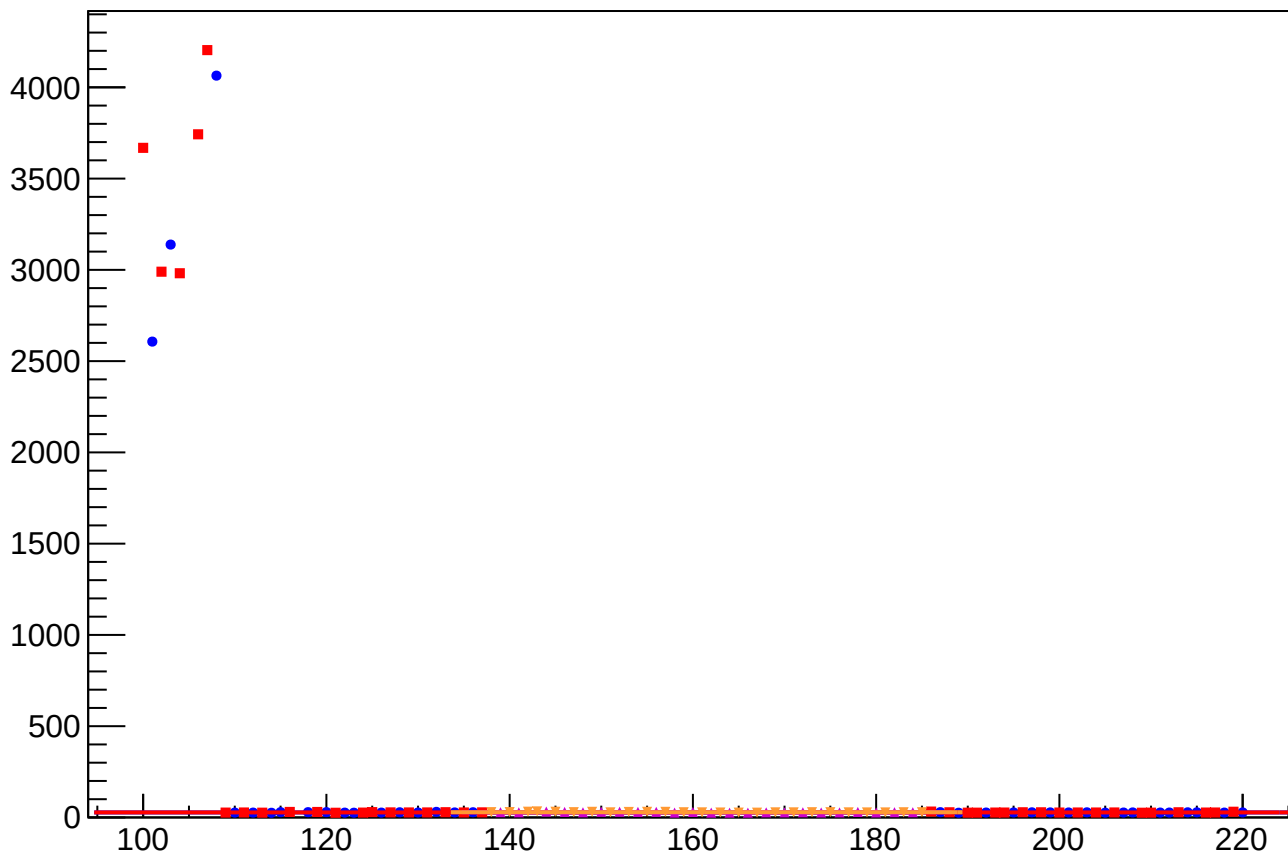
Left In: -1.038 $\pm$ 6.880 χ^2 /NDF:32.4/22

+ sign -6.860 $\pm$ 4.691 χ^2 /NDF: 63.9/58

All: -4.535 $\pm$ 3.340 χ^2 /NDF: 136.8/118

- sign -2.144 $\pm$ 4.758 χ^2 /NDF: 72.4/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.470 $\pm$ 0.005 χ^2 /NDF: 3045900.5/33

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.563 $\pm$ 0.005 χ^2 /NDF: 3537879.1/36

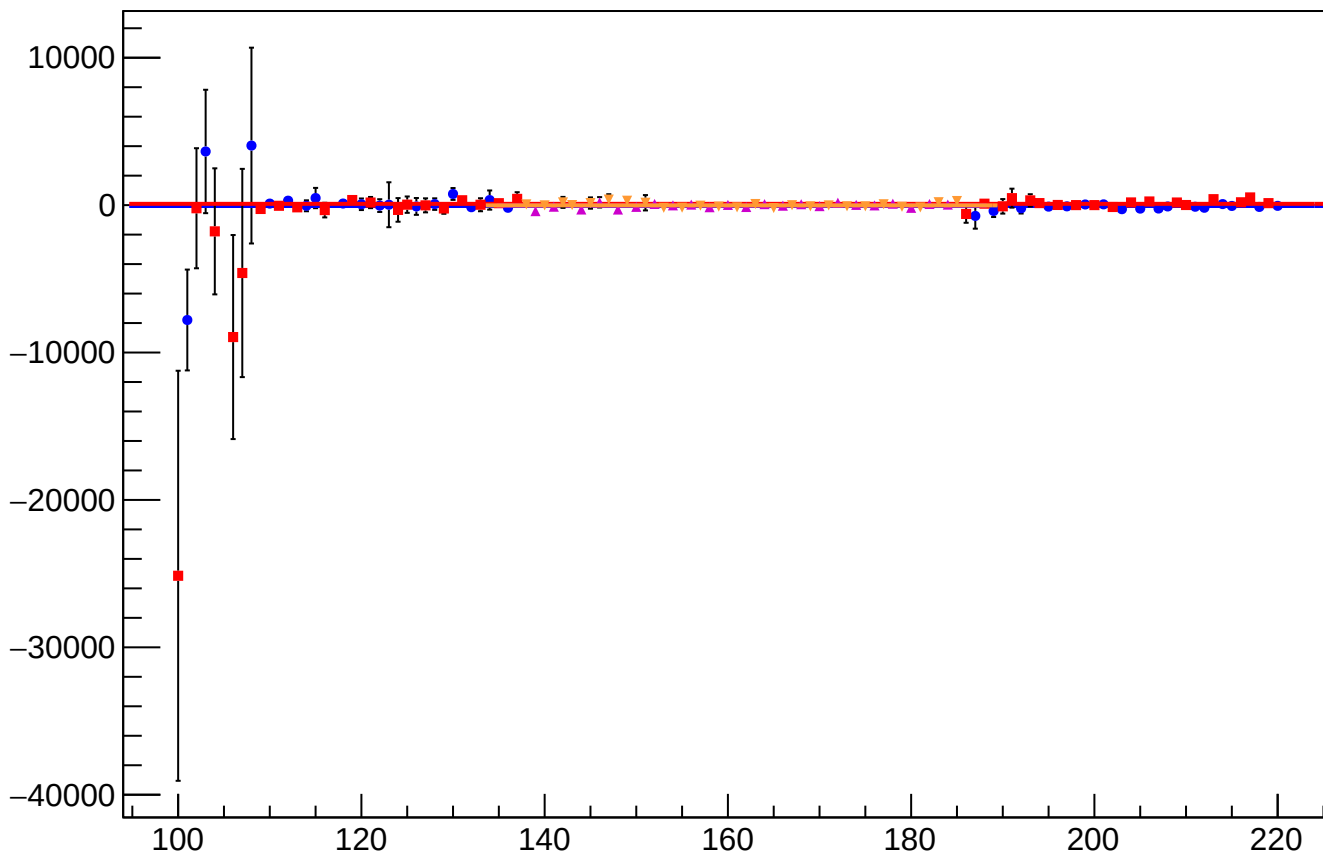
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.069 $\pm$ 0.003 χ^2 /NDF: 3190260.5/58

All: 28.081 $\pm$ 0.002 χ^2 /NDF: 6880080.1/118

- sign 28.094 $\pm$ 0.003 χ^2 /NDF: 3689793.2/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -59.381+/-43.059 χ^2 /NDF: 22.2/33

Left Out: -15.483+/-48.109 χ^2 /NDF:8.7/24

Right Out: 87.186+/-43.641 χ^2 /NDF: 25.5/36

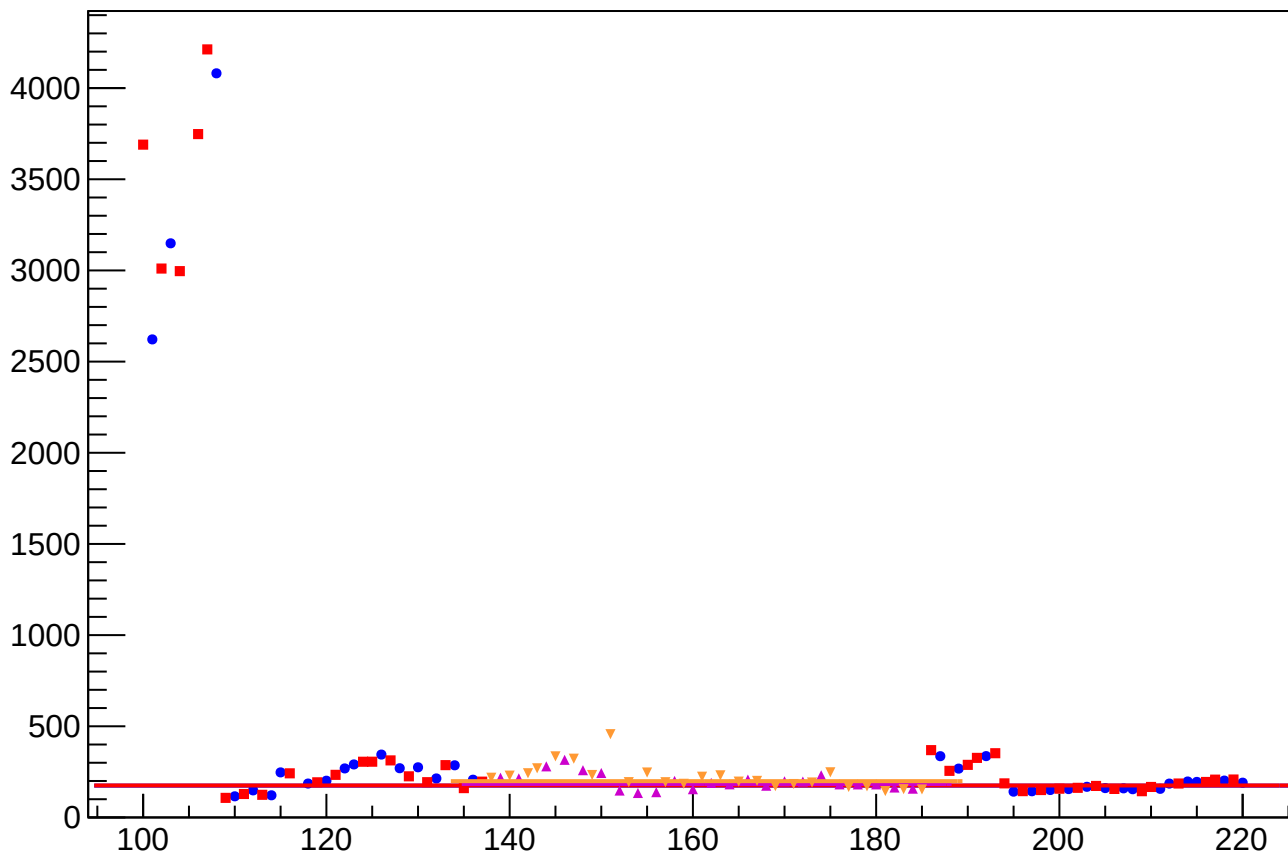
Left In: -27.009+/-45.785 χ^2 /NDF:7.8/22

+ sign -39.856+/-32.085 χ^2 /NDF: 31.3/58

All: -2.950+/-22.510 χ^2 /NDF: 70.5/118

- sign 32.824+/-31.589 χ^2 /NDF: 36.6/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.513+/-0.030 χ^2/NDF : 4623671.2/33

Left Out: 199.094+/-0.034 χ^2/NDF : 1880343.4/24

Right Out: 175.401+/-0.031 χ^2/NDF : 5519608.0/36

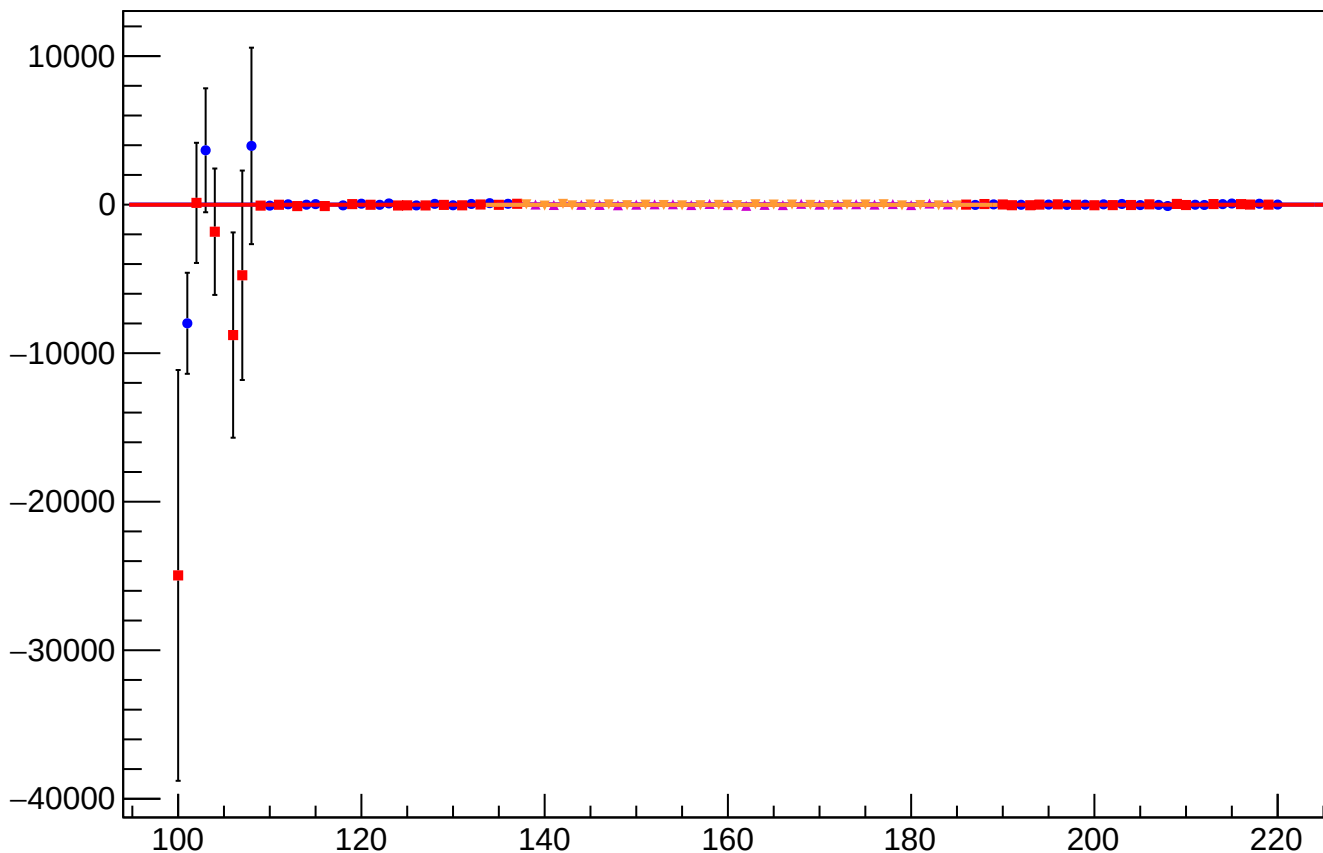
Left In: 183.667+/-0.032 χ^2/NDF : 1422895.7/22

+ sign 185.446+/-0.023 χ^2/NDF : 6793911.8/58

All: 182.344+/-0.016 χ^2/NDF : 13807401.0/13

- sign 179.336+/-0.022 χ^2/NDF : 6976661.9/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 5.048 $\pm$ 6.529 χ^2 /NDF: 45.1/33

Left Out: -15.006 $\pm$ 6.723 χ^2 /NDF:17.5/24

Right Out: -6.231 $\pm$ 6.551 χ^2 /NDF: 34.9/36

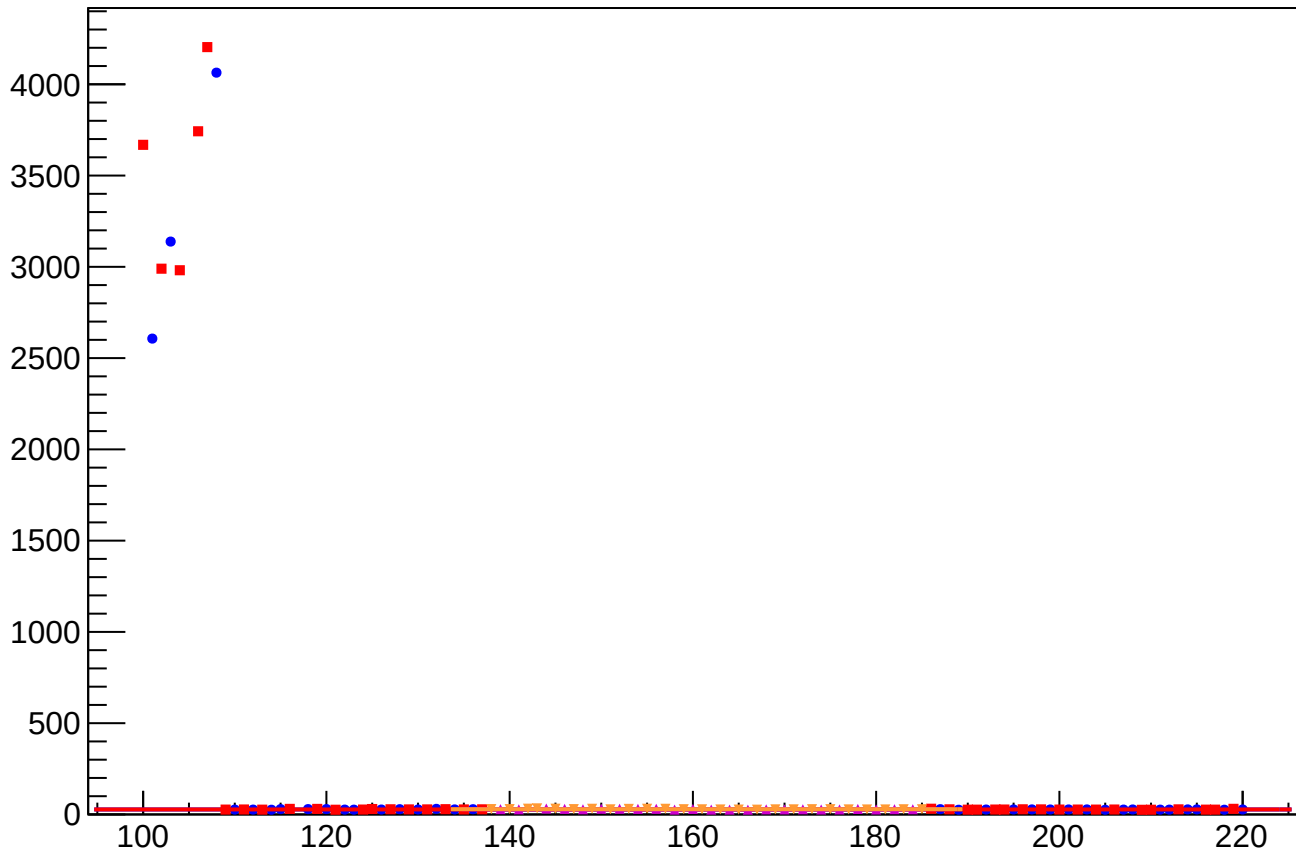
Left In: 0.702 $\pm$ 6.909 χ^2 /NDF:26.4/22

+ sign -4.685 $\pm$ 4.684 χ^2 /NDF: 67.2/58

All: -3.830 $\pm$ 3.336 χ^2 /NDF: 129.0/118

- sign -2.949 $\pm$ 4.754 χ^2 /NDF: 61.8/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.272 $\pm$ 0.005 χ^2 /NDF: 3056507.4/33

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.411 $\pm$ 0.005 χ^2 /NDF: 3541418.1/36

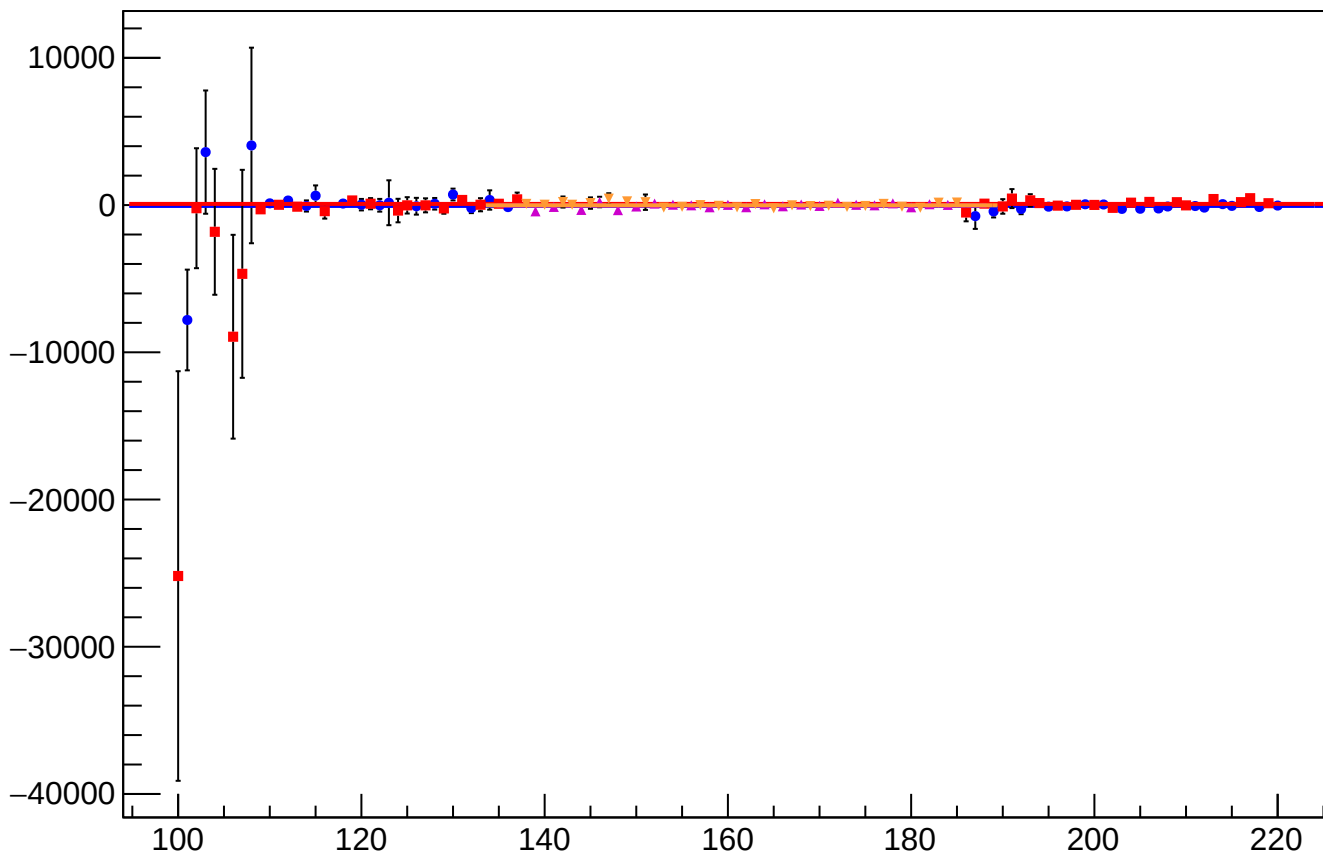
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.020 $\pm$ 0.003 χ^2 /NDF: 3232542.7/58

All: 28.042 $\pm$ 0.002 χ^2 /NDF: 6945573.0/118

- sign 28.065 $\pm$ 0.003 χ^2 /NDF: 3712938.8/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -58.203 $\pm$ 43.350 χ^2 /NDF: 22.3/33

Left Out: -15.548 $\pm$ 48.688 χ^2 /NDF: 8.0/24

Right Out: 78.528 $\pm$ 43.957 χ^2 /NDF: 24.3/36

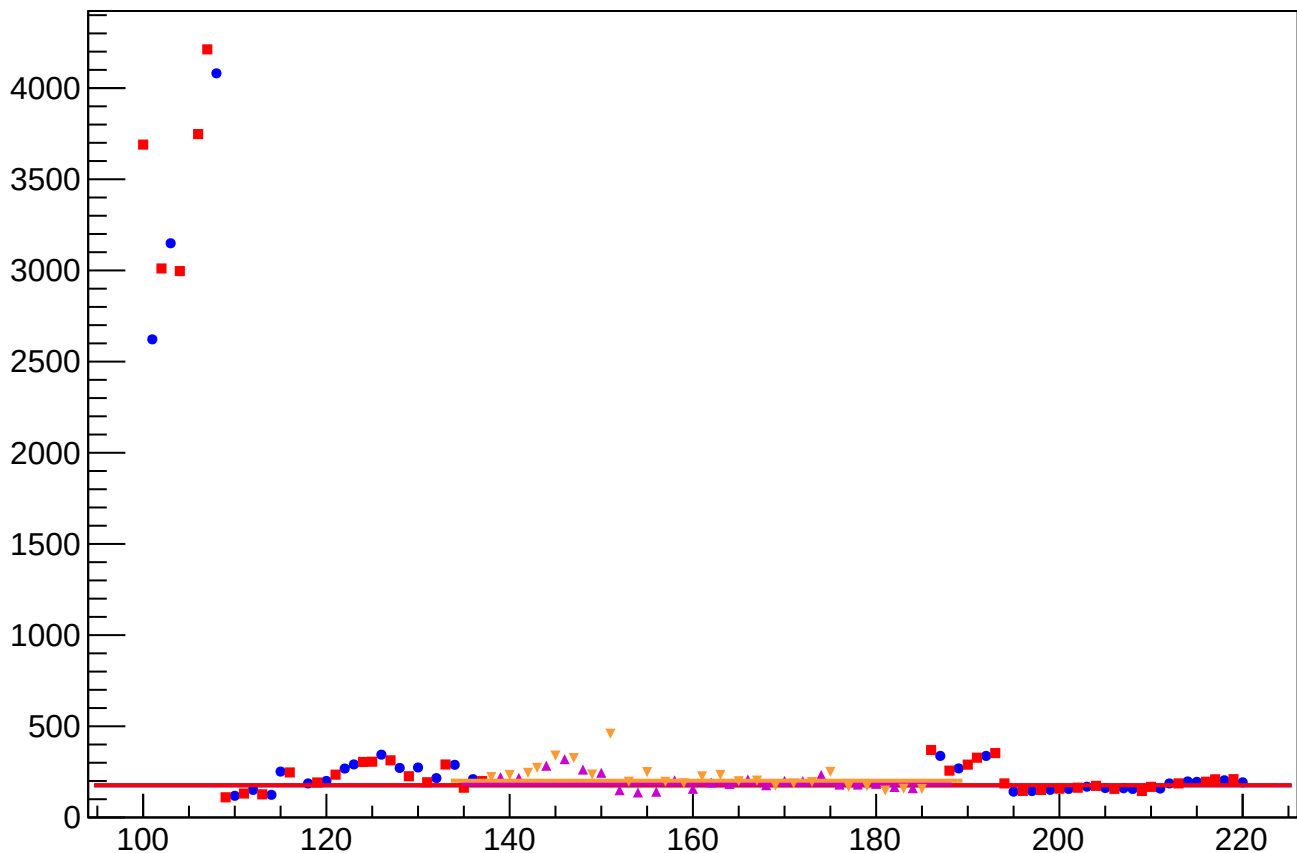
Left In: -31.170 $\pm$ 46.359 χ^2 /NDF: 8.2/22

+ sign -39.341 $\pm$ 32.377 χ^2 /NDF: 30.8/58

All: -5.882 $\pm$ 22.722 χ^2 /NDF: 68.3/118

- sign 26.595 $\pm$ 31.897 χ^2 /NDF: 35.4/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 175.781+/-0.031 χ^2/NDF : 4589297.6/33

Left Out: 201.600+/-0.034 χ^2/NDF : 1857453.2/24

Right Out: 176.850+/-0.031 χ^2/NDF : 5459461.5/36

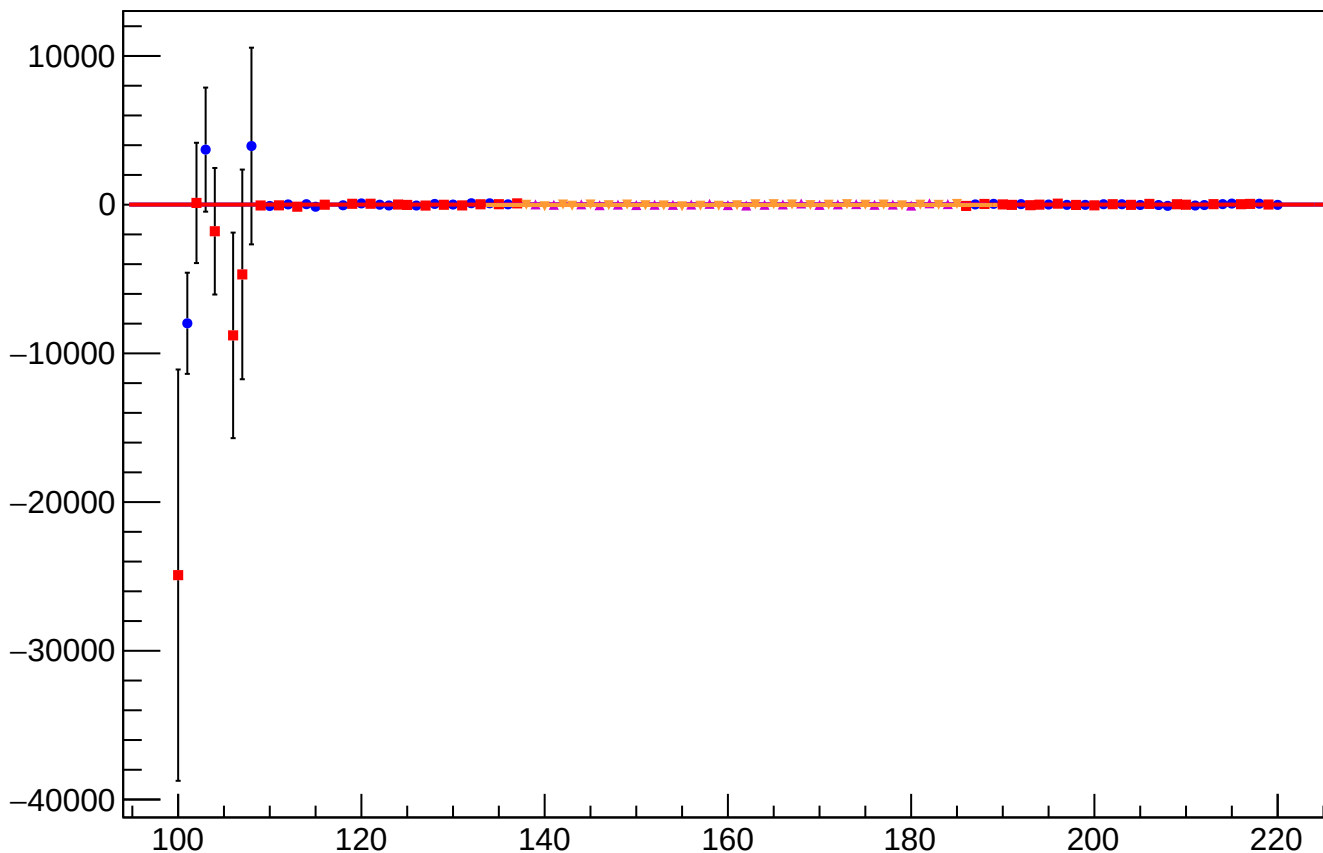
Left In: 186.107+/-0.033 χ^2/NDF : 1391327.2/22

+ sign 187.198+/-0.023 χ^2/NDF : 6760471.1/58

All: 184.171+/-0.016 χ^2/NDF : 13687703.4/11

- sign 181.233+/-0.023 χ^2/NDF : 6892776.1/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.279 $\pm$ 7.961 χ^2 /NDF: 38.2/33

Left Out: -23.360 $\pm$ 8.064 χ^2 /NDF:25.8/24

Right Out: 6.542 $\pm$ 7.979 χ^2 /NDF: 38.1/36

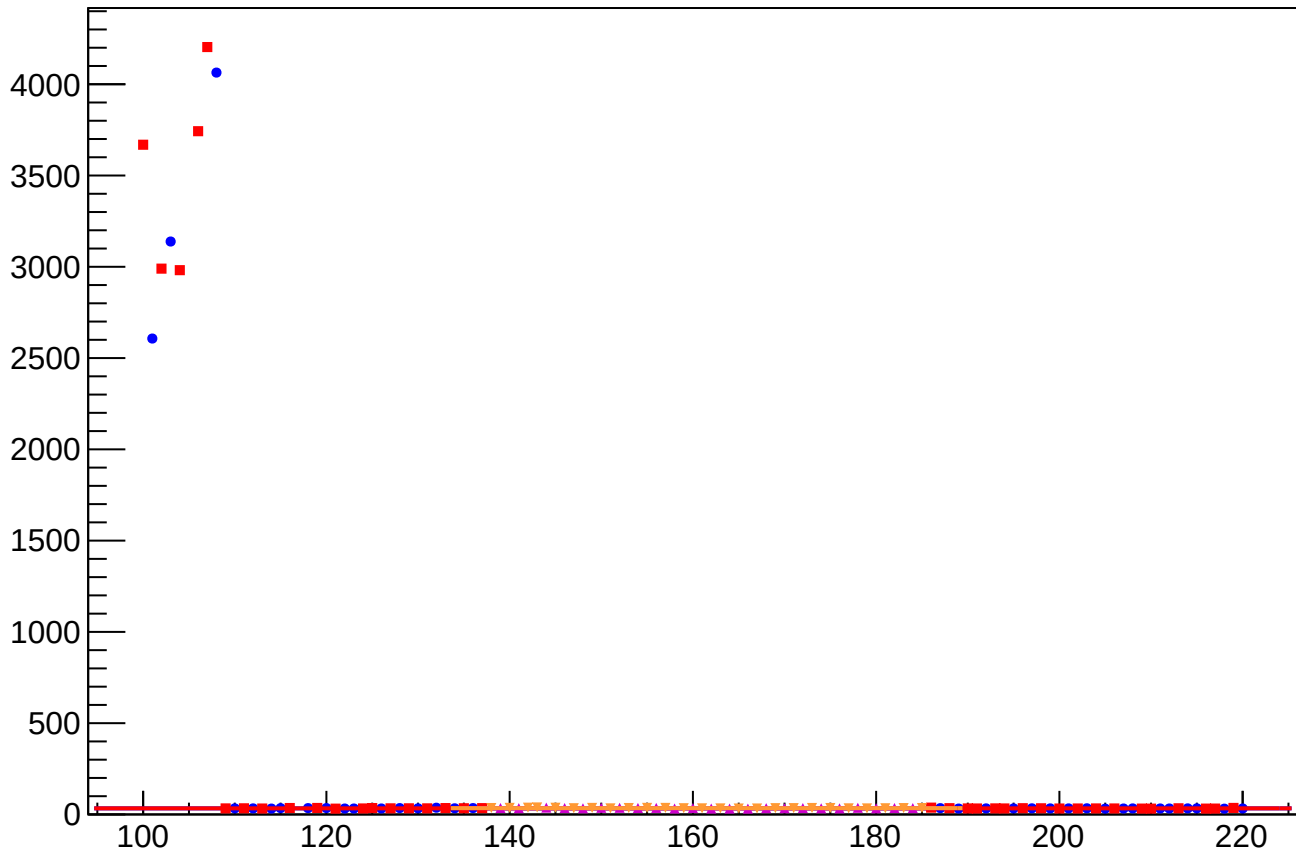
Left In: 6.001 $\pm$ 8.309 χ^2 /NDF:21.1/22

+ sign -8.350 $\pm$ 5.666 χ^2 /NDF: 70.9/58

All: -1.148 $\pm$ 4.037 χ^2 /NDF: 133.4/118

- sign 6.282 $\pm$ 5.755 χ^2 /NDF: 59.3/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.279 $\pm$ 0.006 χ^2 /NDF: 3025168.0/33

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.439 $\pm$ 0.006 χ^2 /NDF: 3485640.8/36

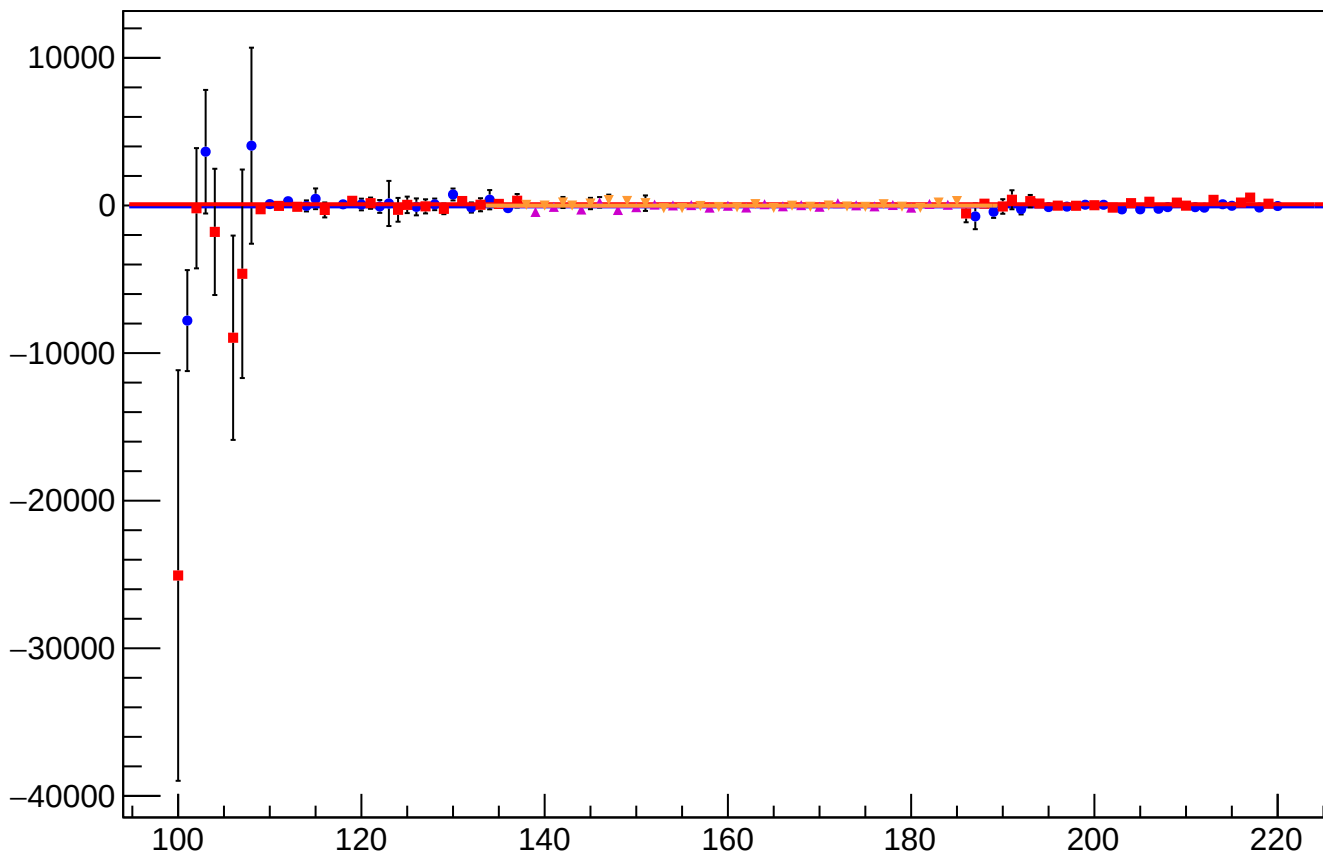
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 33.938 $\pm$ 0.004 χ^2 /NDF: 3110892.9/58

All: 33.987 $\pm$ 0.003 χ^2 /NDF: 6680537.8/118

- sign 34.037 $\pm$ 0.004 χ^2 /NDF: 3569344.7/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -61.300 ± 43.227 χ^2/NDF : 22.1/33

Left Out: -8.916 ± 48.615 χ^2/NDF : 8.6/24

Right Out: 84.262 ± 43.800 χ^2/NDF : 23.6/36

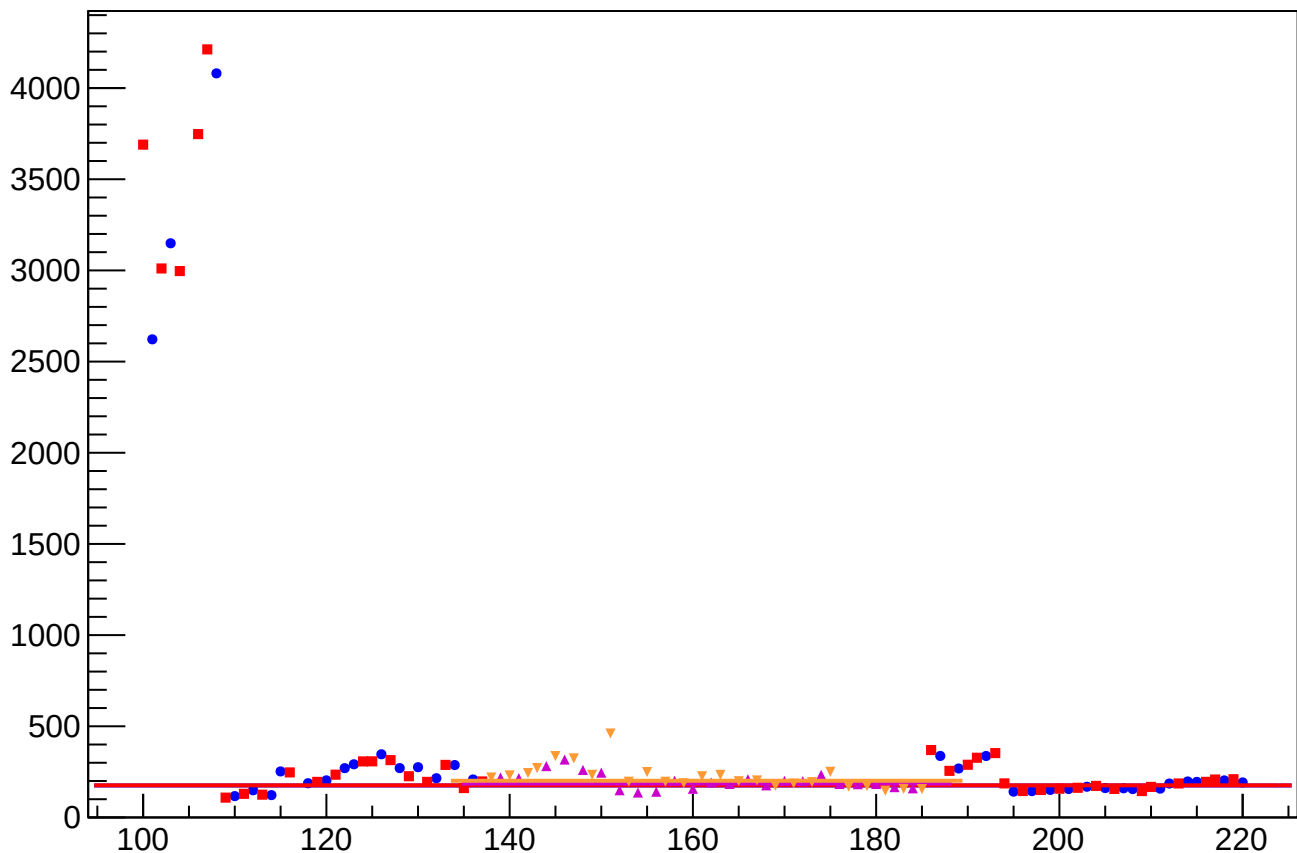
Left In: -34.127 ± 46.296 χ^2/NDF : 7.4/22

+ sign -38.171 ± 32.304 χ^2/NDF : 31.4/58

All: -4.409 ± 22.668 χ^2/NDF : 68.0/118

- sign 28.345 ± 31.817 χ^2/NDF : 34.4/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.211 $\pm$ 0.031 χ^2 /NDF: 4619500.9/33

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 176.080 $\pm$ 0.031 χ^2 /NDF: 5509417.2/36

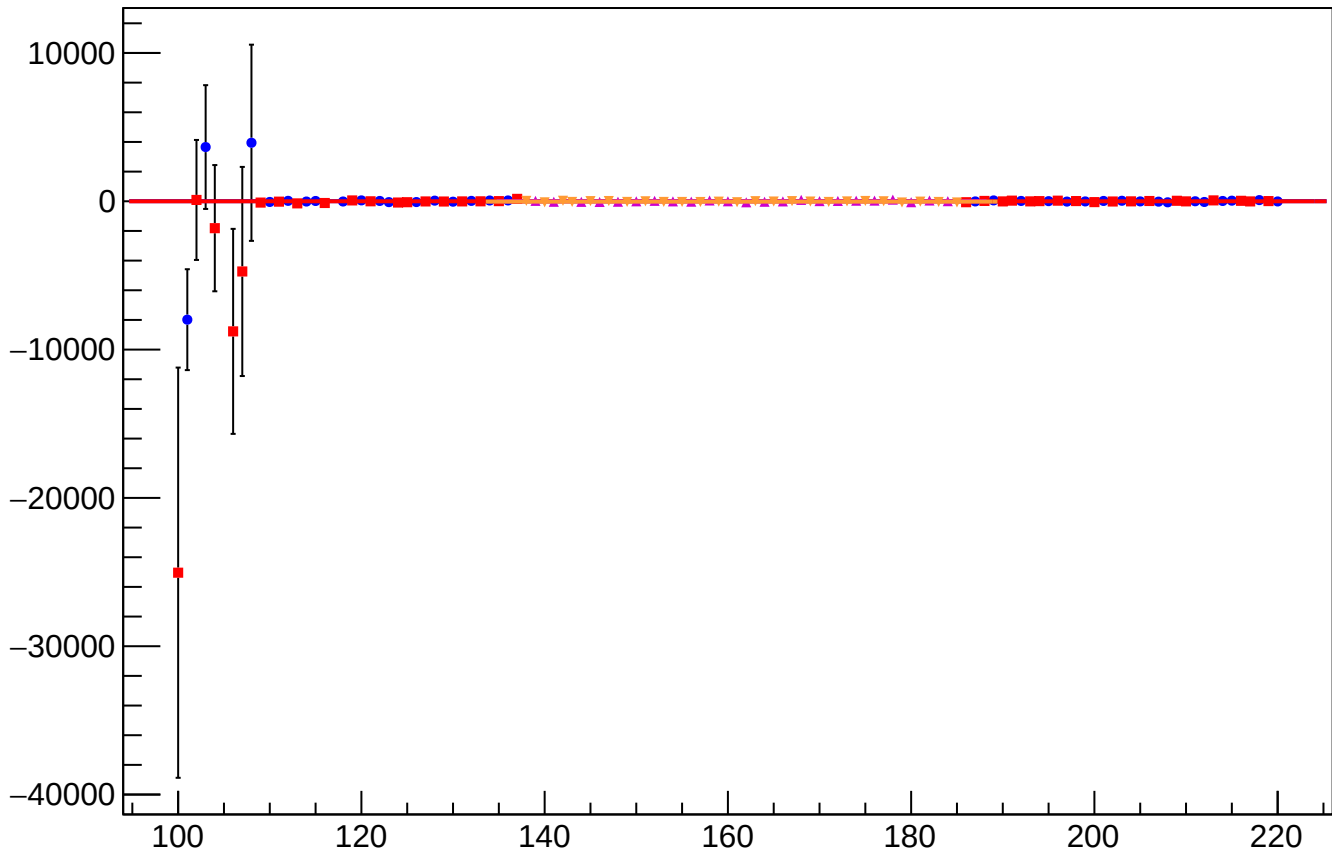
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 186.729 $\pm$ 0.023 χ^2 /NDF: 6792211.2/58

All: 183.667 $\pm$ 0.016 χ^2 /NDF: 13765843.4/13

- sign 180.696 $\pm$ 0.022 χ^2 /NDF: 6938231.0/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 7.943 $\pm$ 7.199 χ^2 /NDF: 32.3/33

Left Out: -22.879 $\pm$ 7.340 χ^2 /NDF:18.8/24

Right Out: -0.398 $\pm$ 7.220 χ^2 /NDF: 42.9/36

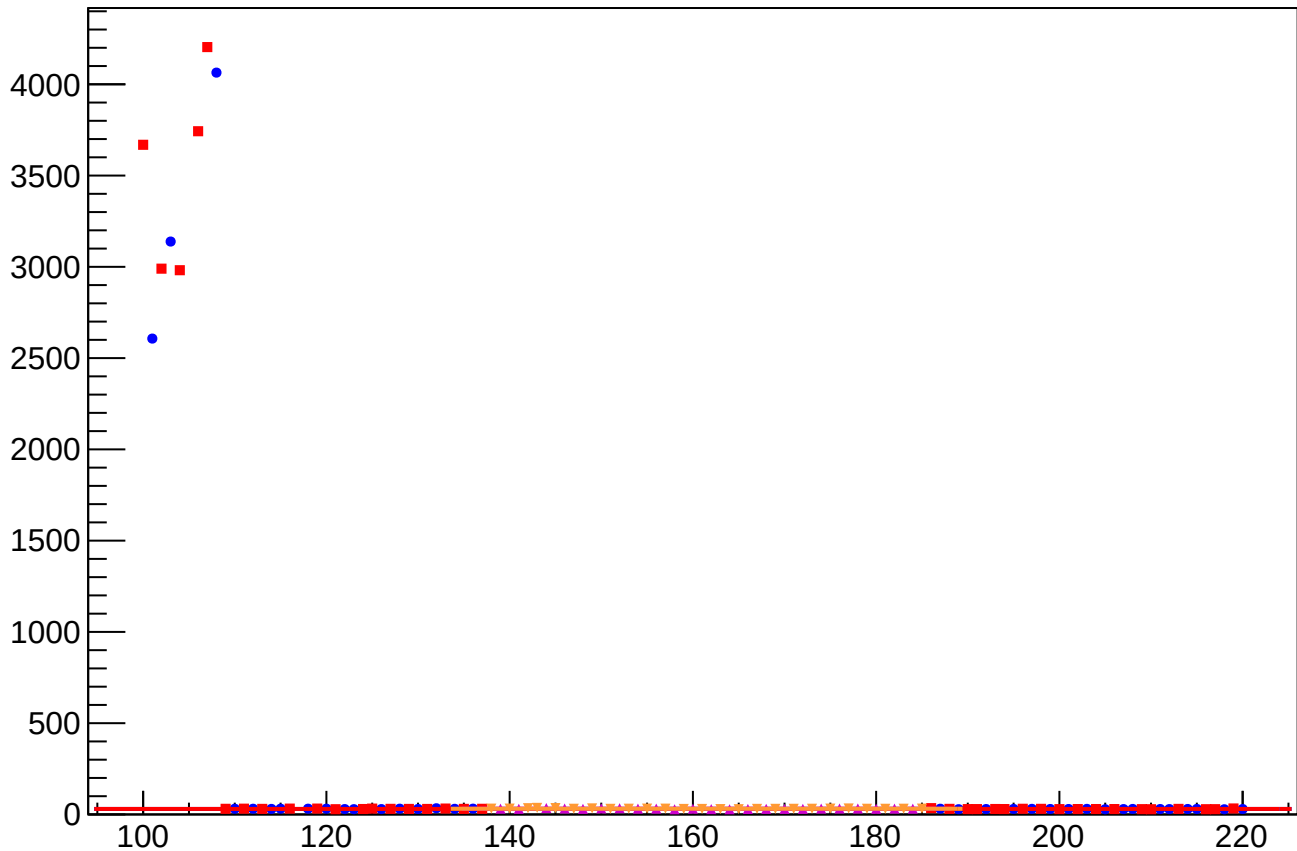
Left In: 5.943 $\pm$ 7.550 χ^2 /NDF:38.3/22

+ sign -7.170 $\pm$ 5.140 χ^2 /NDF: 60.1/58

All: -2.343 $\pm$ 3.662 χ^2 /NDF: 143.5/118

- sign 2.631 $\pm$ 5.218 χ^2 /NDF: 81.6/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.083+/-0.005 χ^2/NDF : 3045355.2/33

Left Out: 31.482+/-0.005 χ^2/NDF : 82437.2/24

Right Out: 30.231+/-0.005 χ^2/NDF : 3508630.3/36

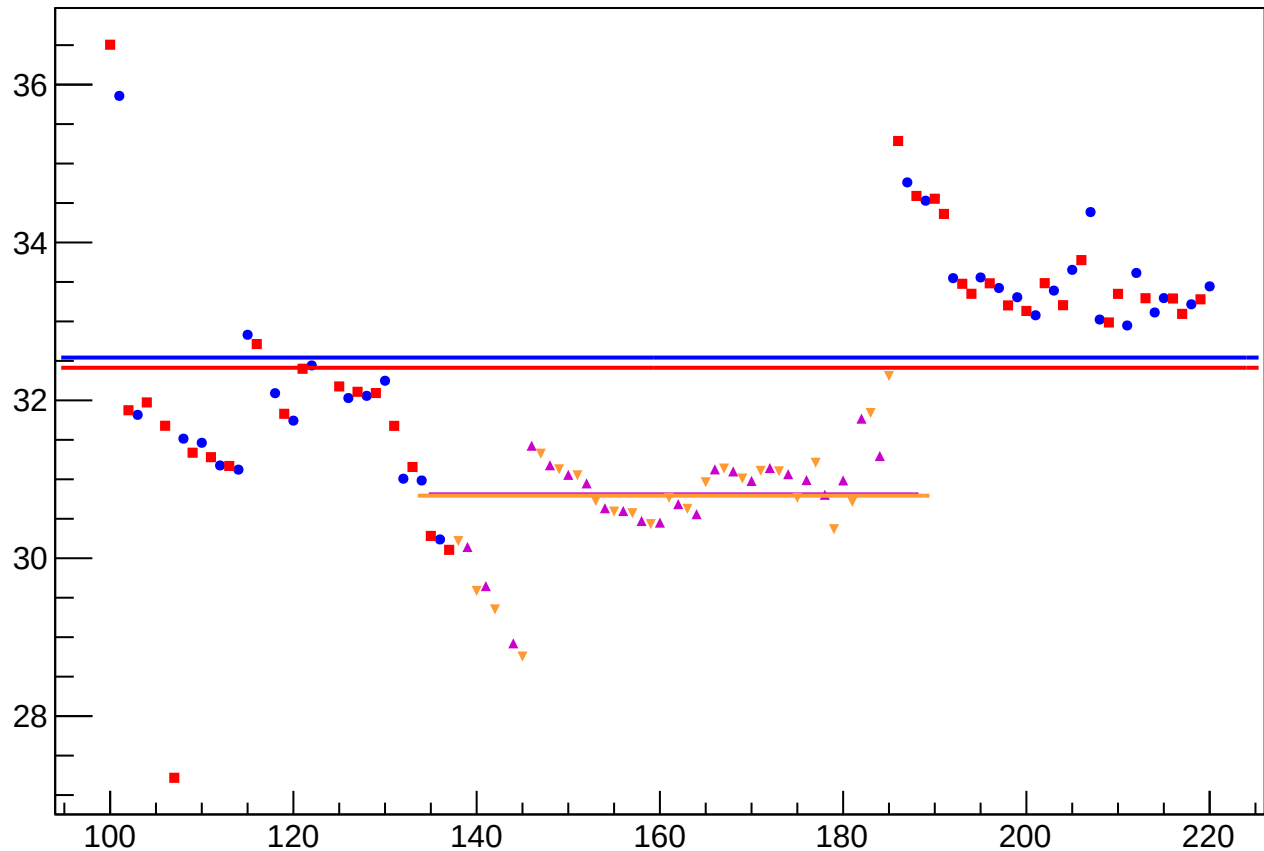
Left In: 31.484+/-0.005 χ^2/NDF : 87981.1/22

+ sign 30.769+/-0.004 χ^2/NDF : 3164819.5/58

All: 30.799+/-0.003 χ^2/NDF : 6790384.8/118

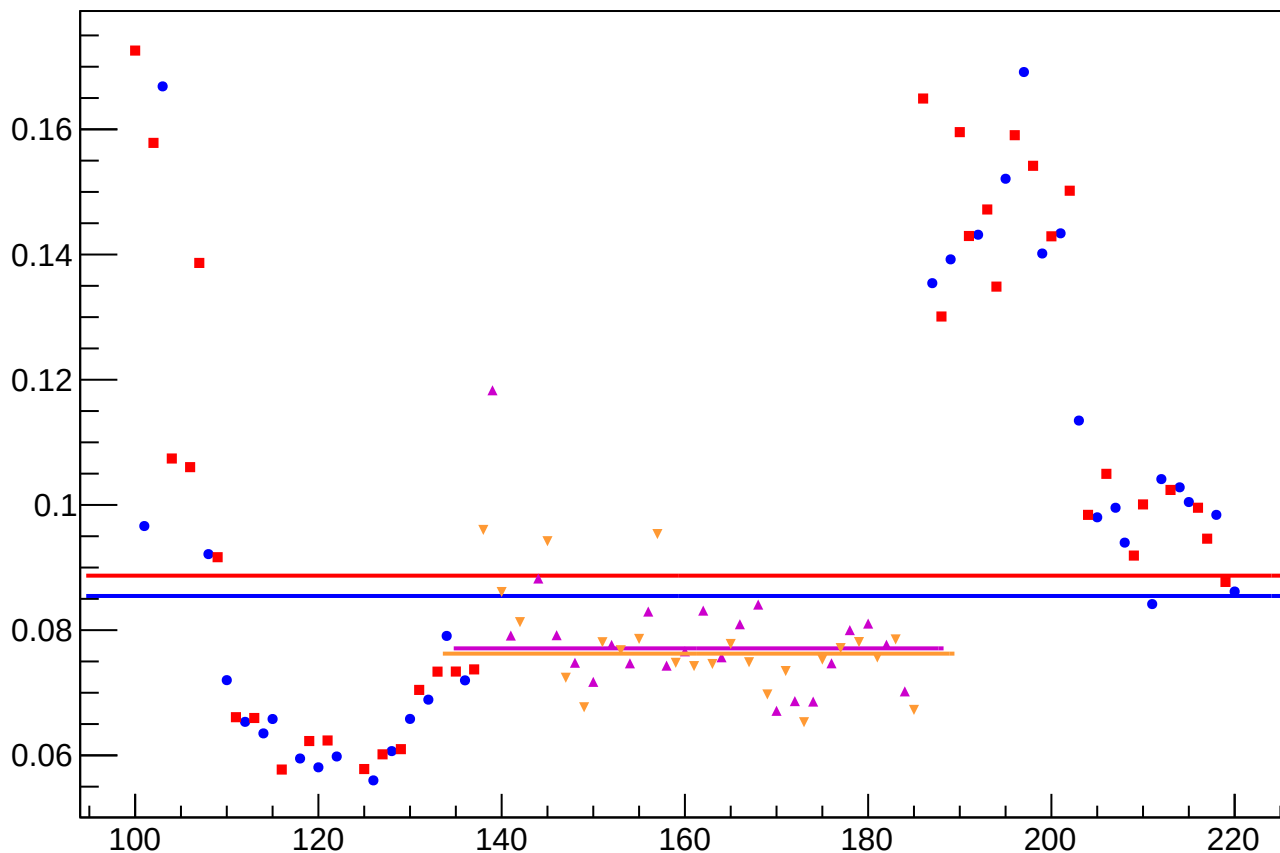
- sign 30.829+/-0.004 χ^2/NDF : 3625427.5/59

yield_usl_mean vs Slug



Right In: 32.542+/-0.000	χ^2/NDF : 3160924237.3/32	+ sign 31.575+/-0.000	χ^2/NDF : 7943839435.8/56
Left Out: 30.793+/-0.000	χ^2/NDF : 1007261340.7/23	All: 31.545+/-0.000	χ^2/NDF : 14509725276.2
Right Out: 32.413+/-0.000	χ^2/NDF : 2719568705.6/35	- sign 31.514+/-0.000	χ^2/NDF : 6557050064.9/58
Left In: 30.809+/-0.000	χ^2/NDF : 821961762.3/22		

yield_usl_rms vs Slug



Right In: 0.085 $\pm$ 0.000 χ^2 /NDF: 3304147.1/32

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:277876.5/23

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 3682932.1/35

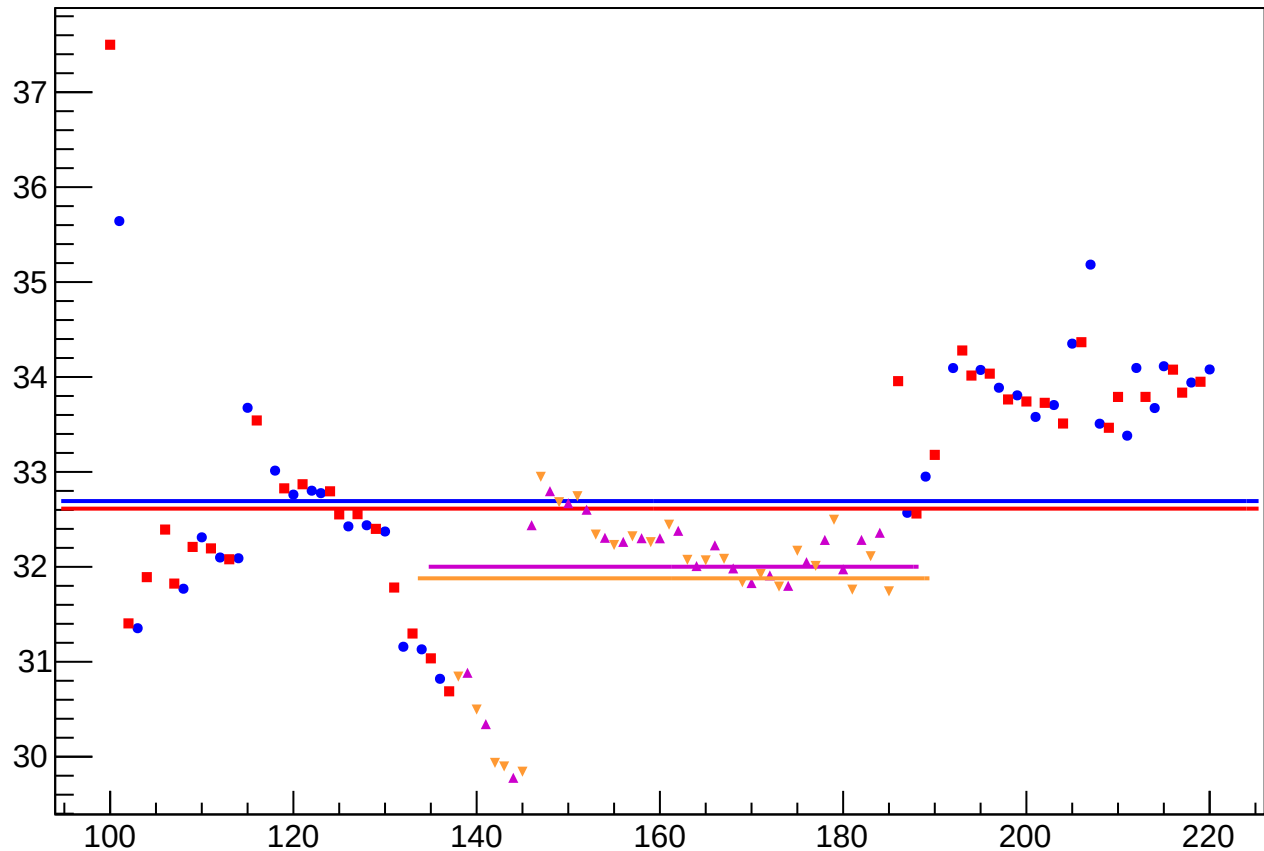
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.080 $\pm$ 0.000 χ^2 /NDF: 3791324.8/56

All: 0.081 $\pm$ 0.000 χ^2 /NDF: 8132712.2/115

- sign 0.082 $\pm$ 0.000 χ^2 /NDF: 4325035.3/58

yield_usr_mean vs Slug



Right In: 32.693+/-0.000 χ^2/NDF : 1757372743.7/33

Left Out: 31.879+/-0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.613+/-0.000 χ^2/NDF : 1079560555.3/35

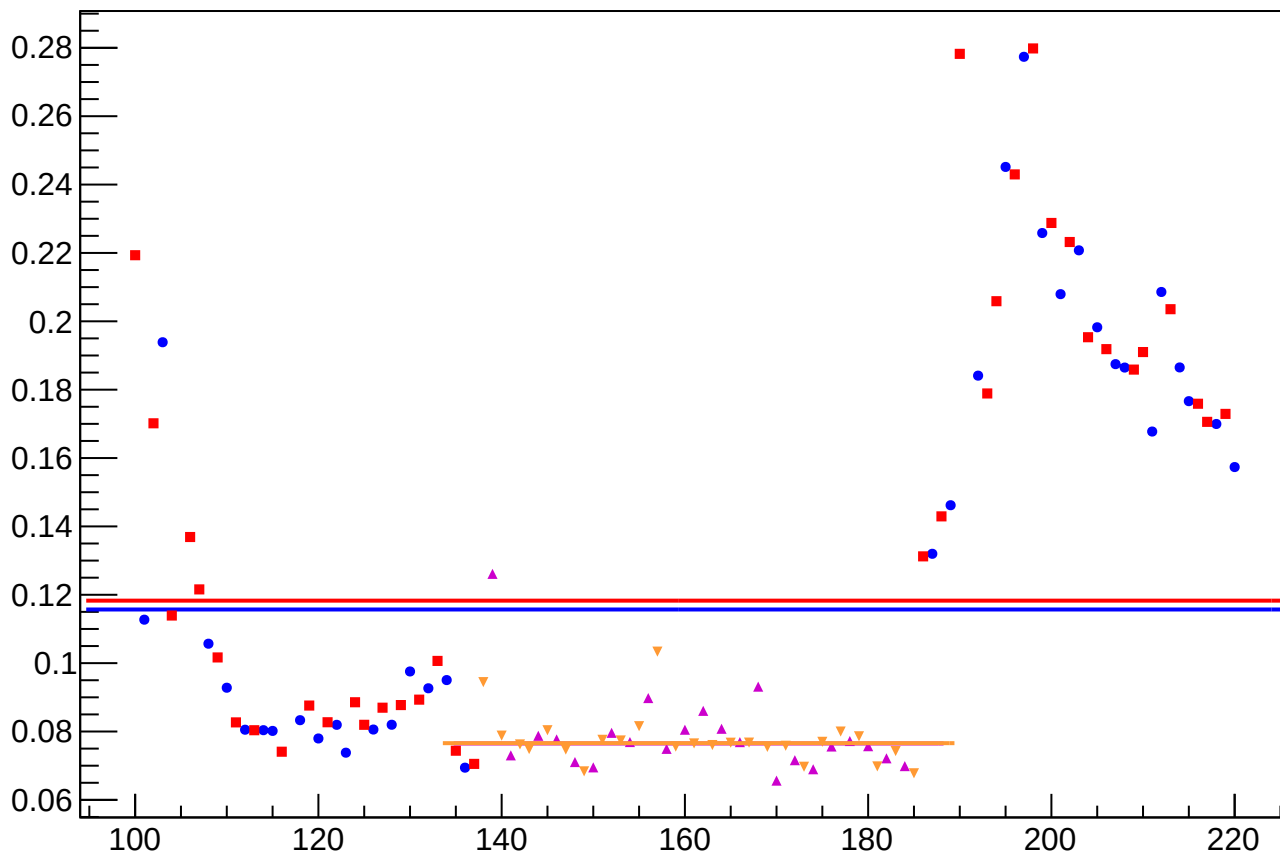
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 32.106+/-0.000 χ^2/NDF : 4263766819.8/58

All: 32.139+/-0.000 χ^2/NDF : 7055333587.6/100

- sign 32.175+/-0.000 χ^2/NDF : 2782213962.5/58

yield_usr_rms vs Slug



Right In: 0.116 $\pm$ 0.000 χ^2 /NDF: 5908699.0/33

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 209648.5/24

Right Out: 0.118 $\pm$ 0.000 χ^2 /NDF: 5548873.3/35

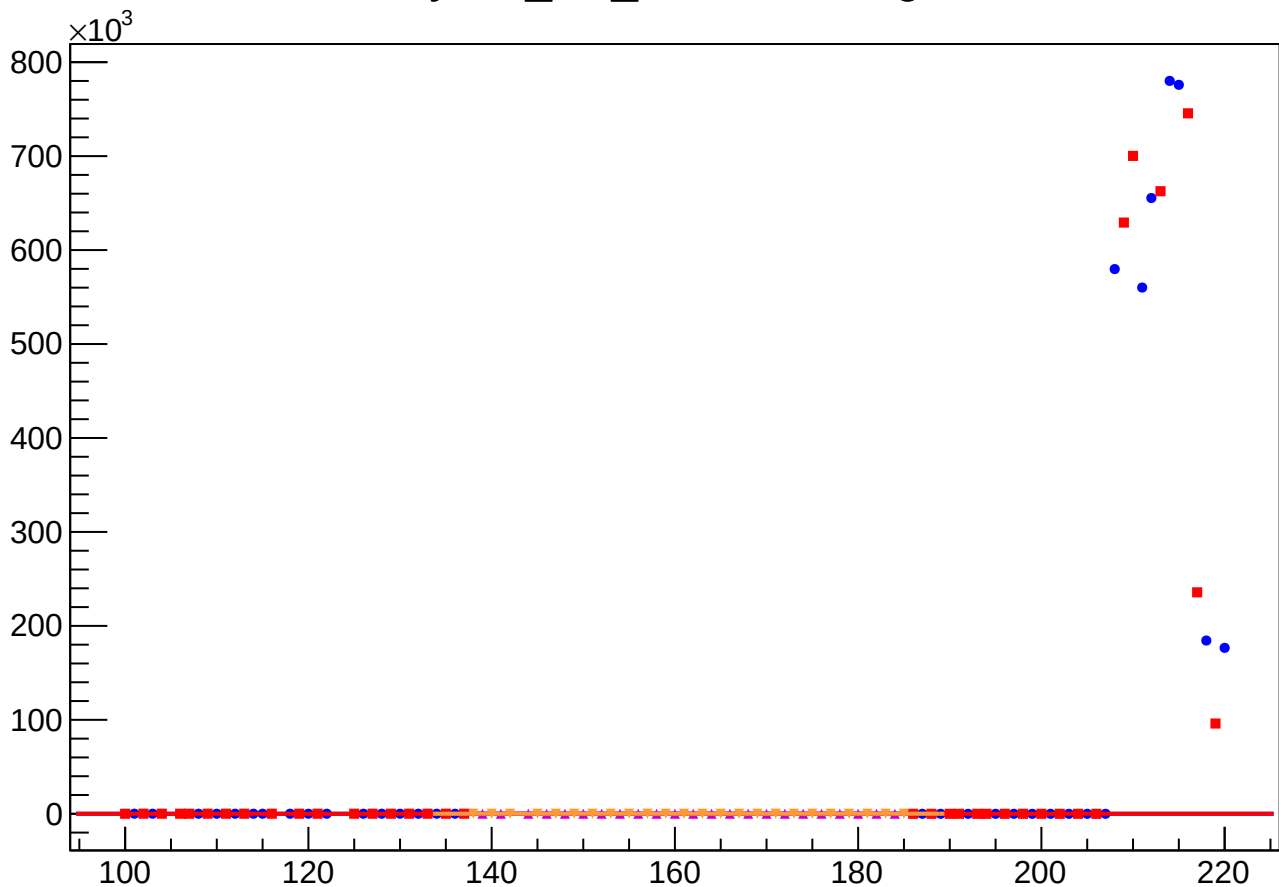
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF: 432563.3/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 8566382.6/58

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 17269713.6/117

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 8700373.6/58

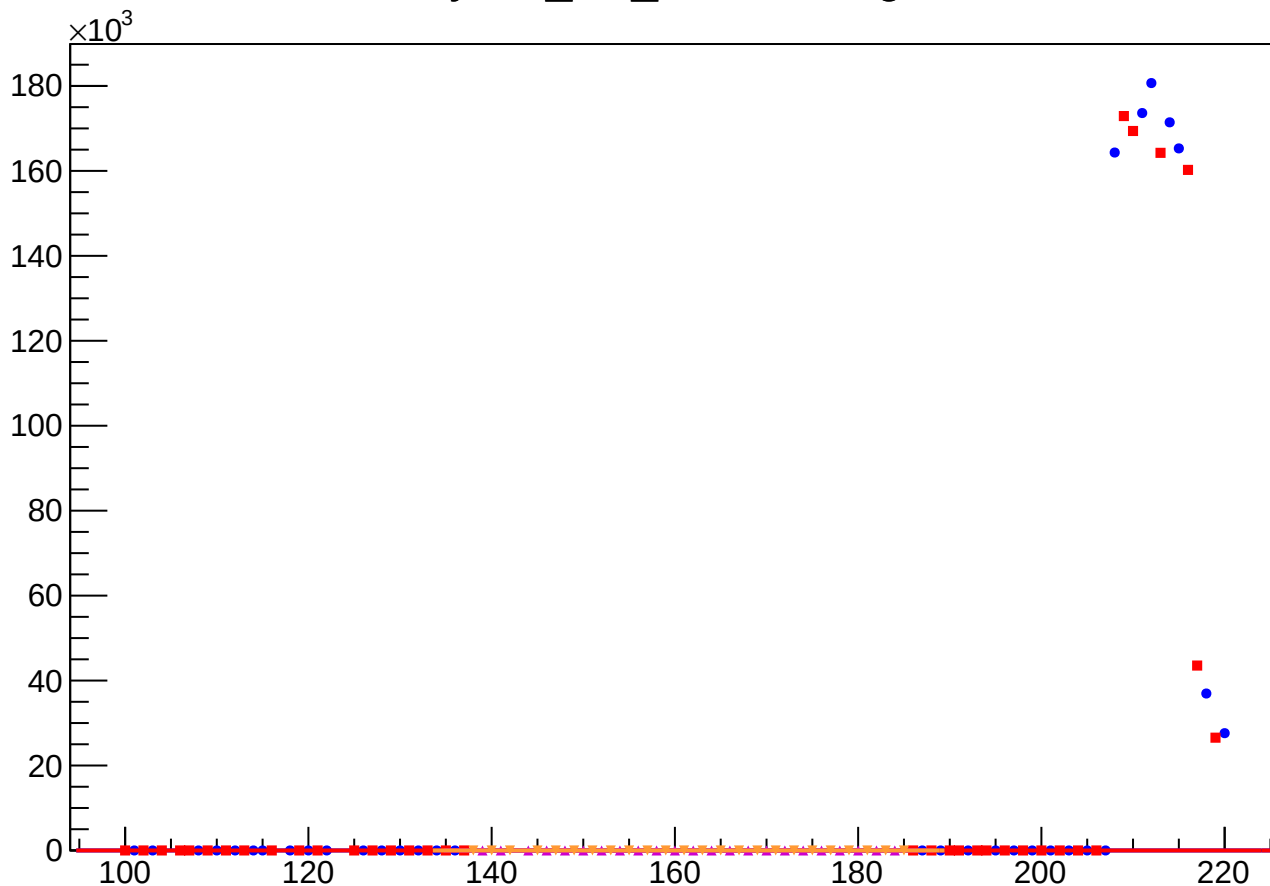
yield_dsl_mean vs Slug



Right In: 54.615 $\pm$ 0.000 χ^2 /NDF: 10853598639617.7/32
 Left Out: 83.402 $\pm$ 0.000 χ^2 /NDF: 8756634444.3/23
 Right Out: 51.099 $\pm$ 0.000 χ^2 /NDF: 11528477446503.4/35
 Left In: 83.309 $\pm$ 0.000 χ^2 /NDF: 8421247810.9/22

+ sign 71.450 $\pm$ 0.000 χ^2 /NDF: 13713653279793.0
 All: 70.353 $\pm$ 0.000 χ^2 /NDF: 2903839132018
 - sign 69.298 $\pm$ 0.000 χ^2 /NDF: 15291292290161.0

yield_dsl_rms vs Slug



Right In: 0.047 $\pm$ 0.000 χ^2 /NDF: 10008245.4/32

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:206685.9/23

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 8666630.0/35

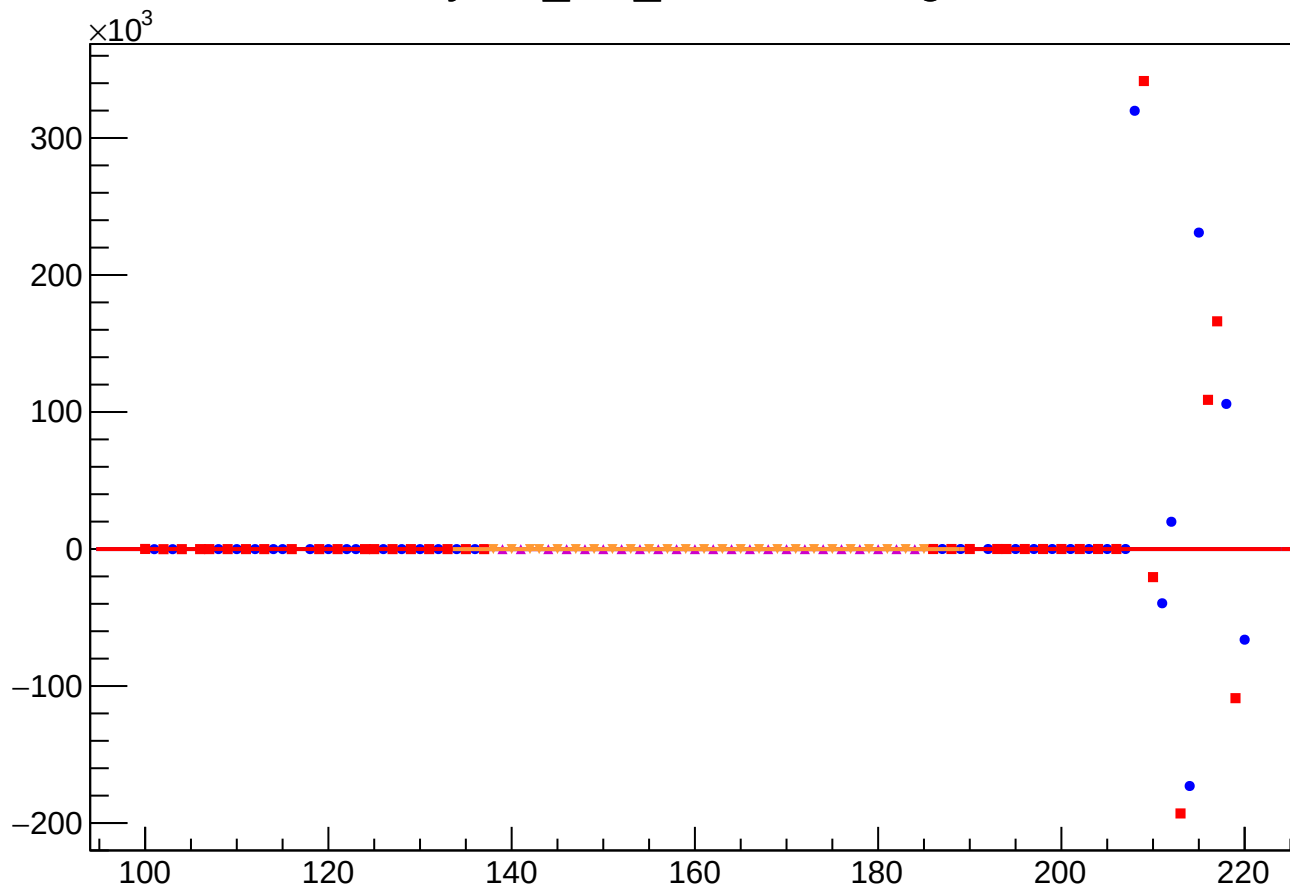
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.046 $\pm$ 0.000 χ^2 /NDF: 10234134.8/56

All: 0.046 $\pm$ 0.000 χ^2 /NDF: 19170985.9/115

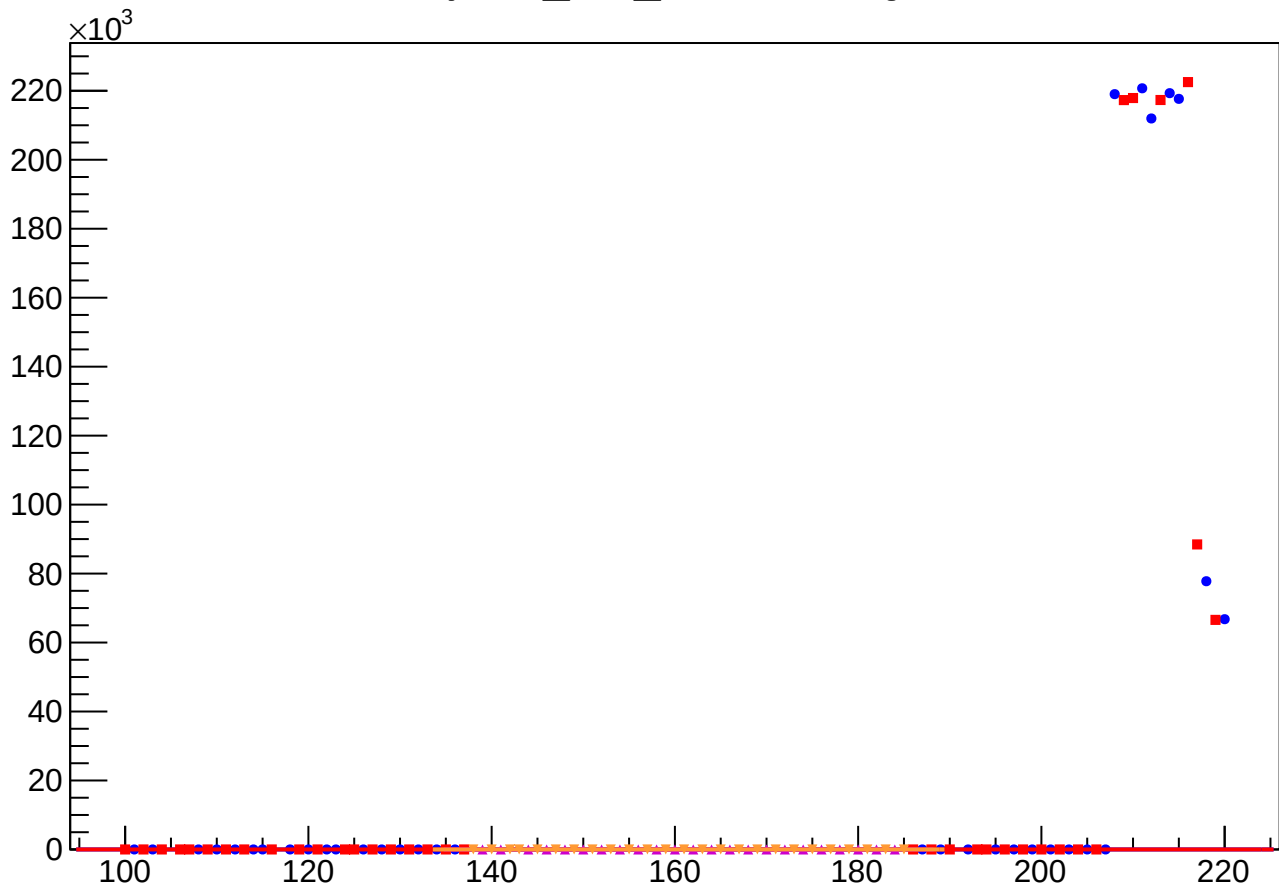
- sign 0.046 $\pm$ 0.000 χ^2 /NDF: 8936566.8/58

yield_dsr_mean vs Slug



Right In: -30.026+/-0.000	χ^2/NDF : 7479131884873.3/33	+ sign -51.425+/-0.000	χ^2/NDF : 11625955430851.6
Left Out: -69.461+/-0.000	χ^2/NDF : 49572401.9/24	All: -50.406+/-0.000	χ^2/NDF : 234257013678
Right Out: -28.760+/-0.000	χ^2/NDF : 7325686267870.0/35	- sign -49.388+/-0.000	χ^2/NDF : 11777434409846.6
Left In: -69.458+/-0.000	χ^2/NDF : 52798704.3/22		

yield_dsr_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 10013711.2/33

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 8599855.8/35

Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 10102912.5/58

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 18822969.6/117

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 8720042.4/58

yield_atl1_mean vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 208400670867.0/33

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 463941835390.7/36

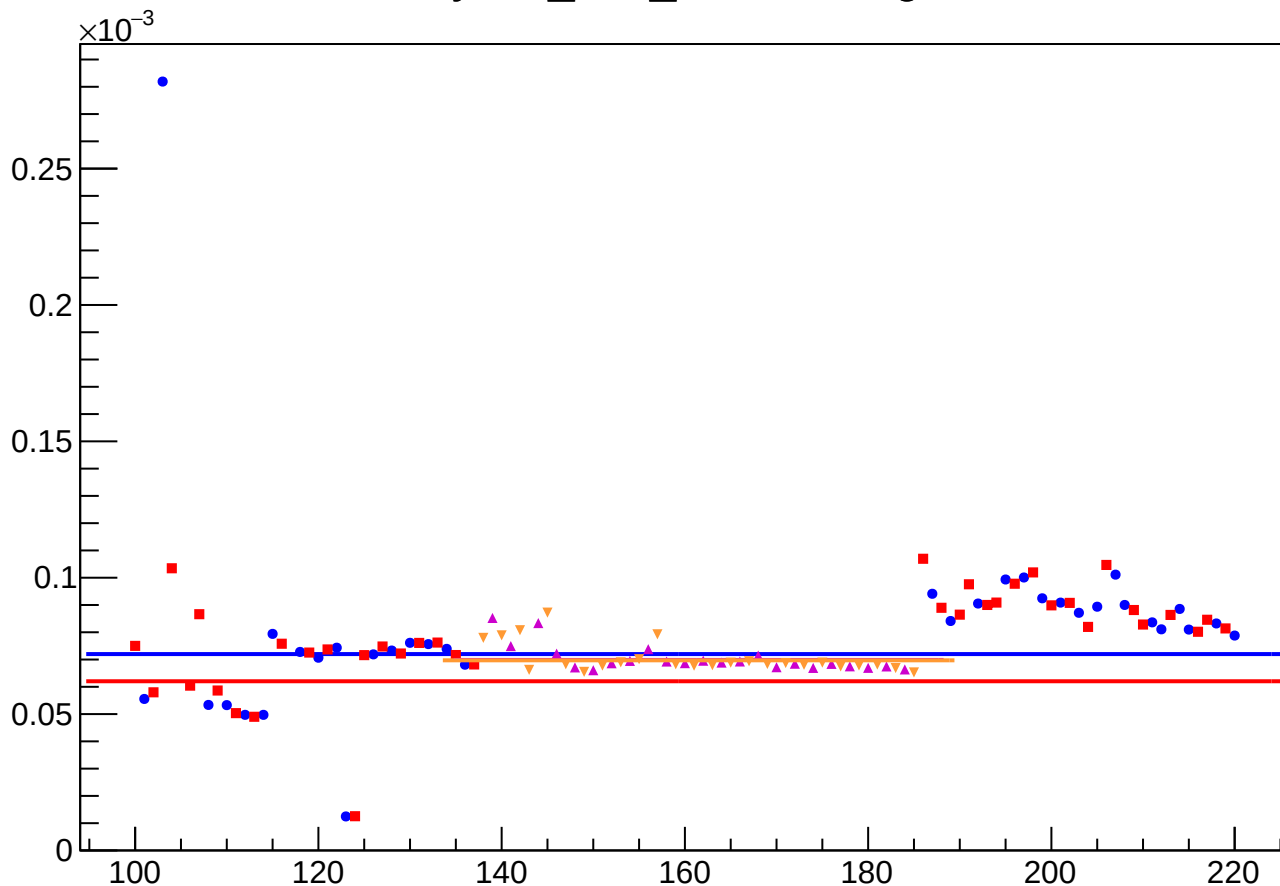
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 232724602068.9/58

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 824845427707.2

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 572812235050.8/59

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3690447.1/33

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:158125.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7401557.8/36

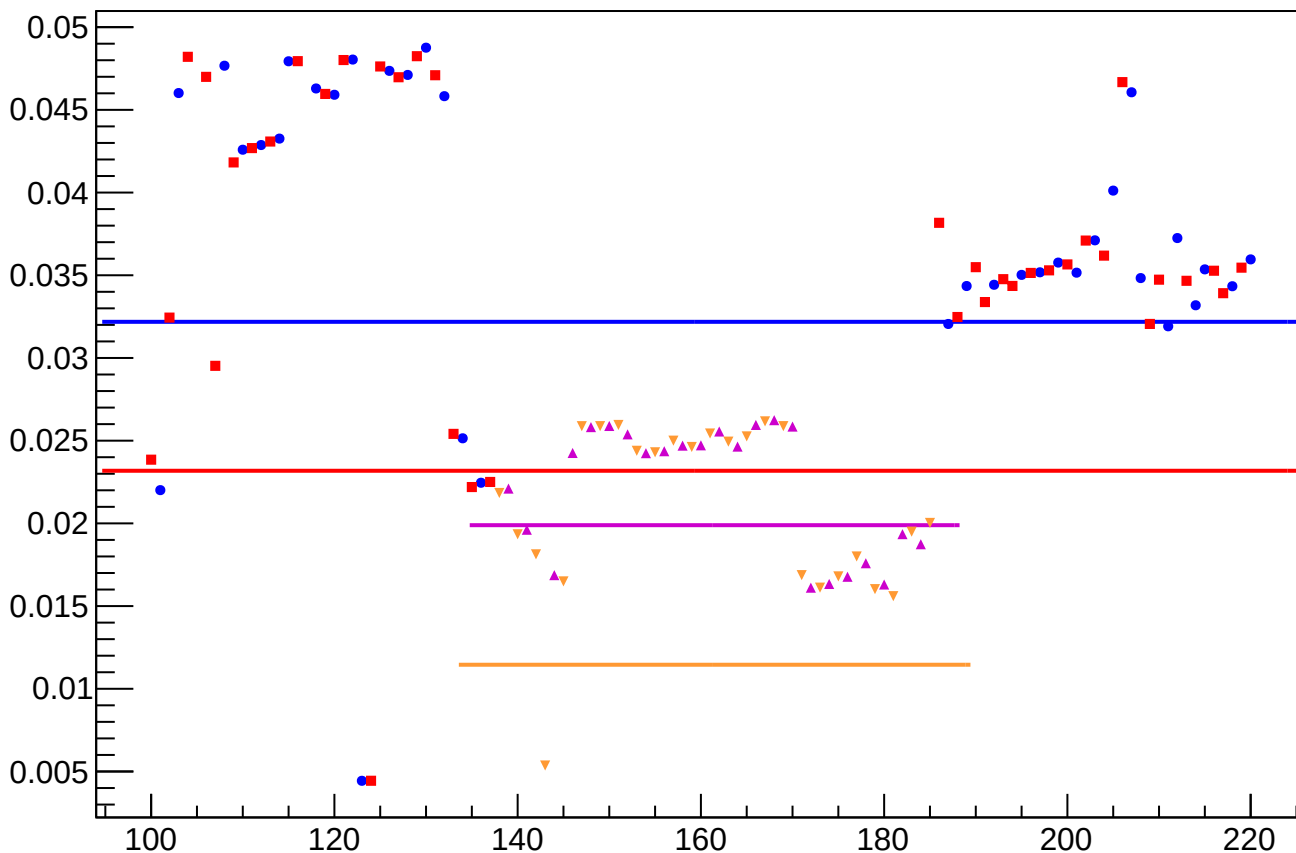
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:129289.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3866669.2/58

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 11806777.1/118

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7757671.0/59

yield_atl2_mean vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 21866105528.6/33

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 40294472965.0/24

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 100235861830.2/58

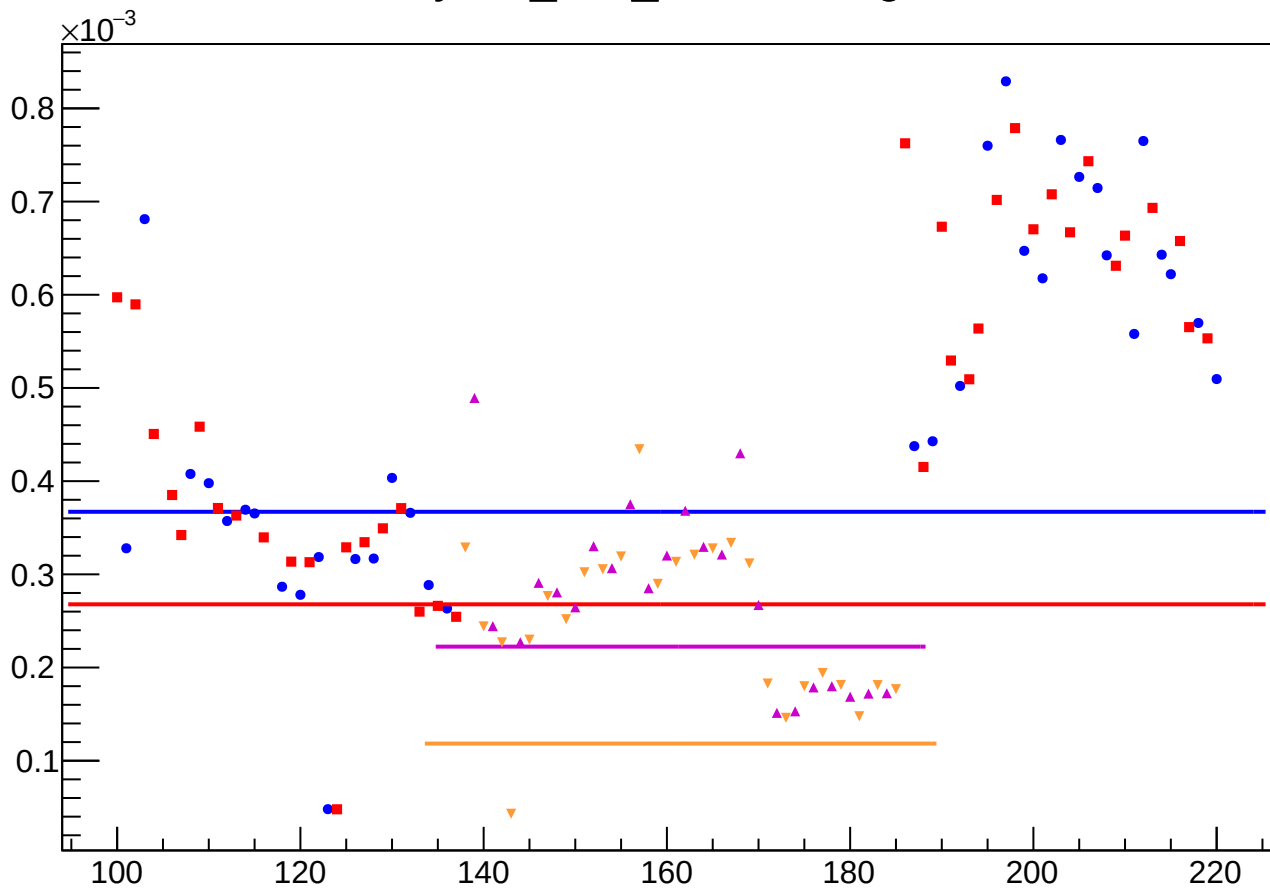
Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 45767651500.8/36

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 165488710570.8

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 51293916484.9/59

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4458790813.3/22

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8177265.8/33

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14844664.7/36

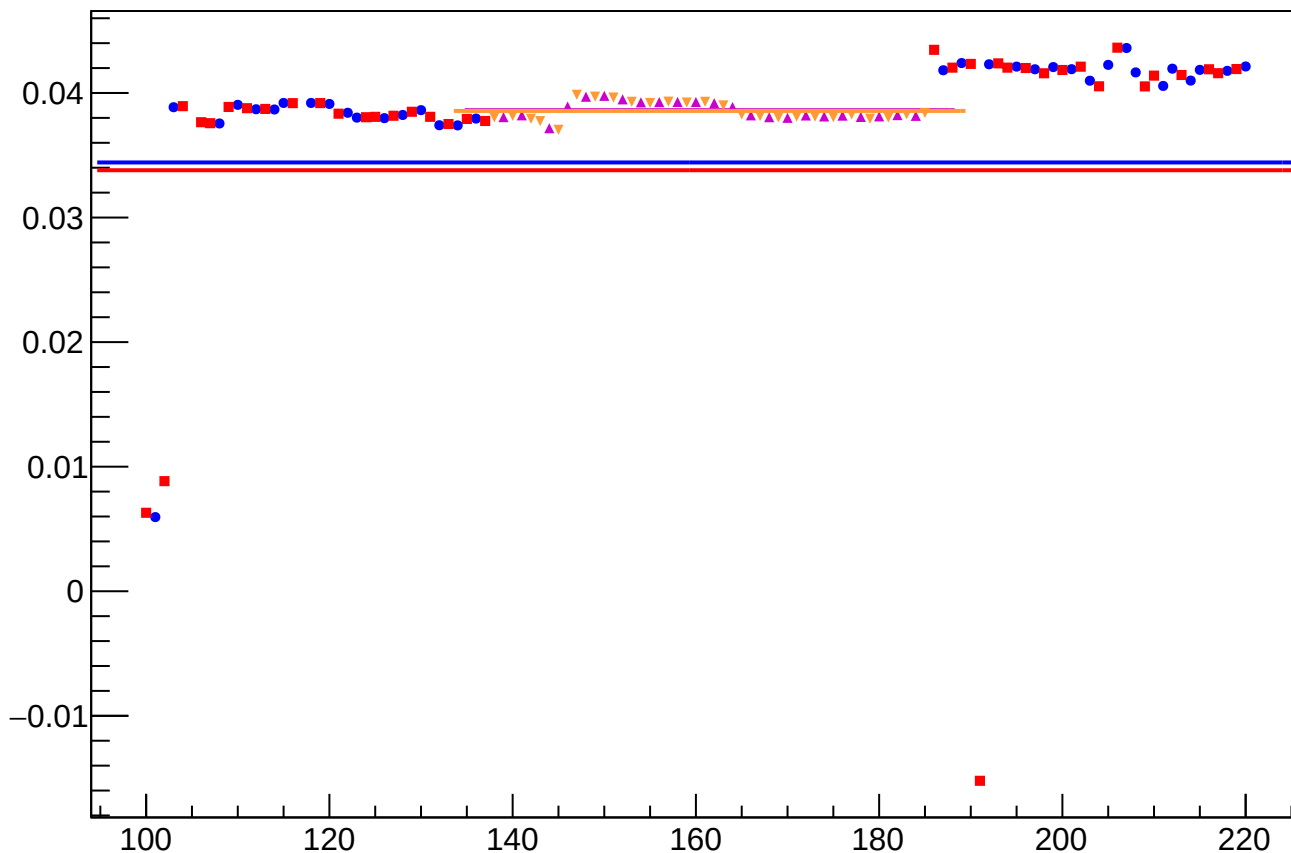
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 32700531.2/58

All: 0.000+/-0.000 χ^2/NDF : 55725934.2/118

- sign 0.000+/-0.000 χ^2/NDF : 18532356.4/59

yield_atr1_mean vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 123865519324.7/33

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

Right Out: 0.034 $\pm$ 0.000 χ^2 /NDF: 188621784336.3/36

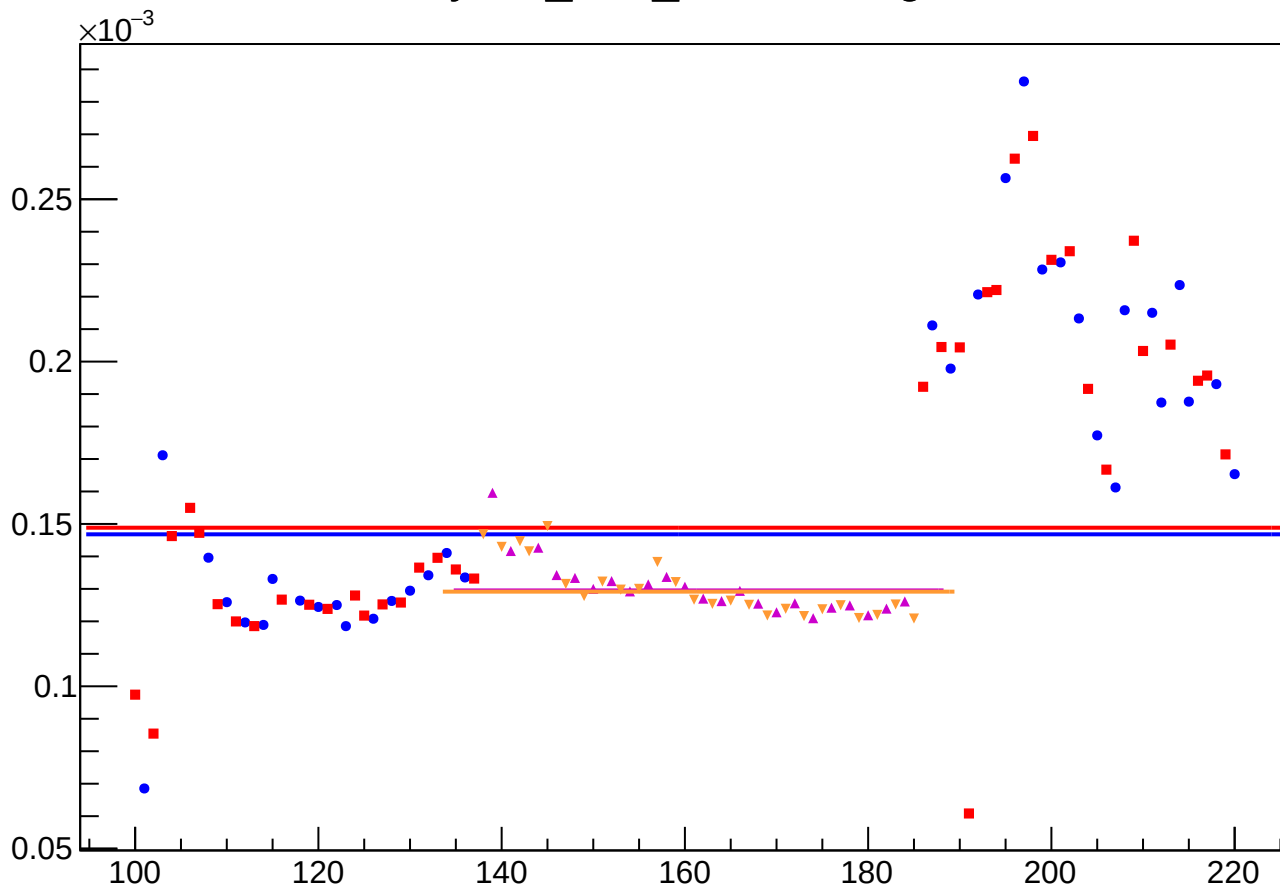
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 132036350207.9/58

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 331298278508.5

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 199185141587.5/59

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4001125.9/33

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3712478.0/36

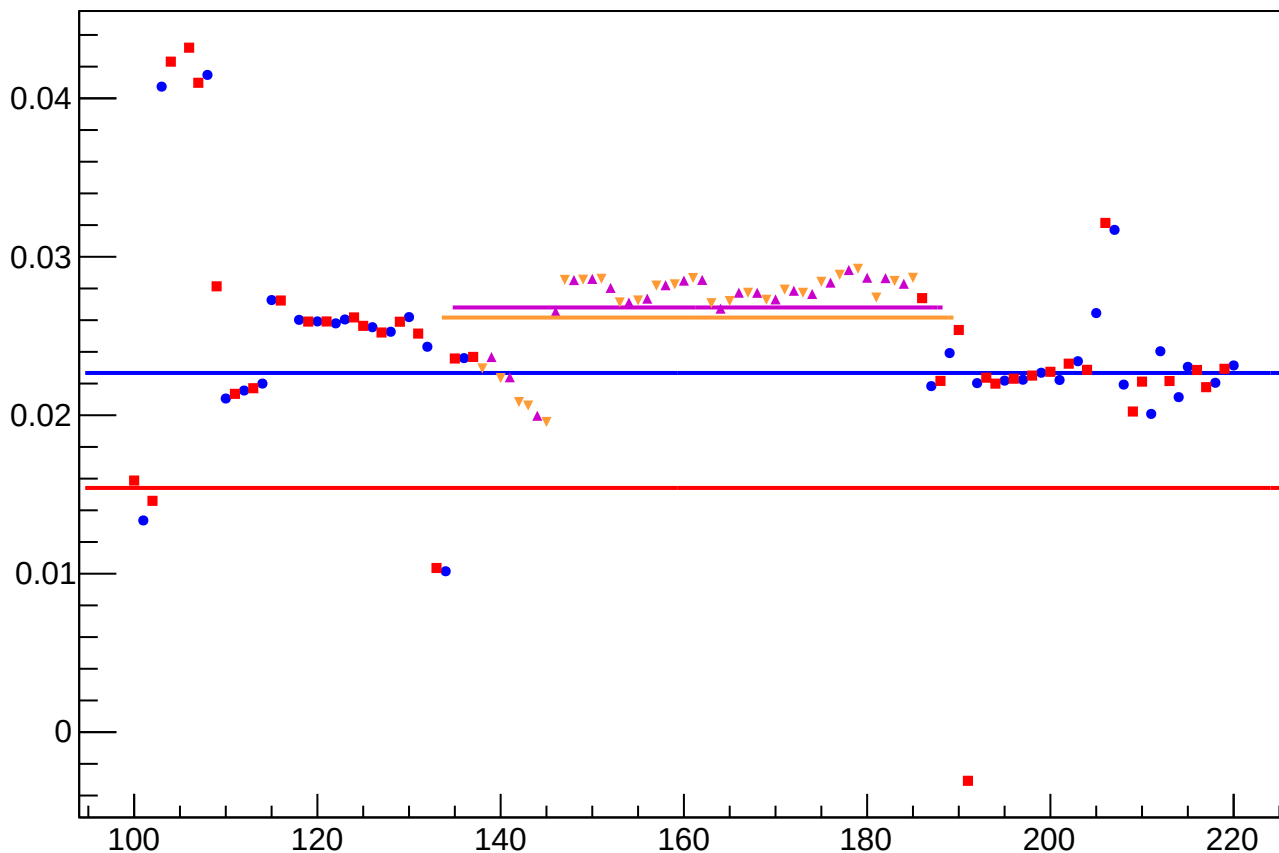
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4409370.3/58

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8563997.6/118

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4151393.4/59

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4429942927.5/33

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 32135187914.2/36

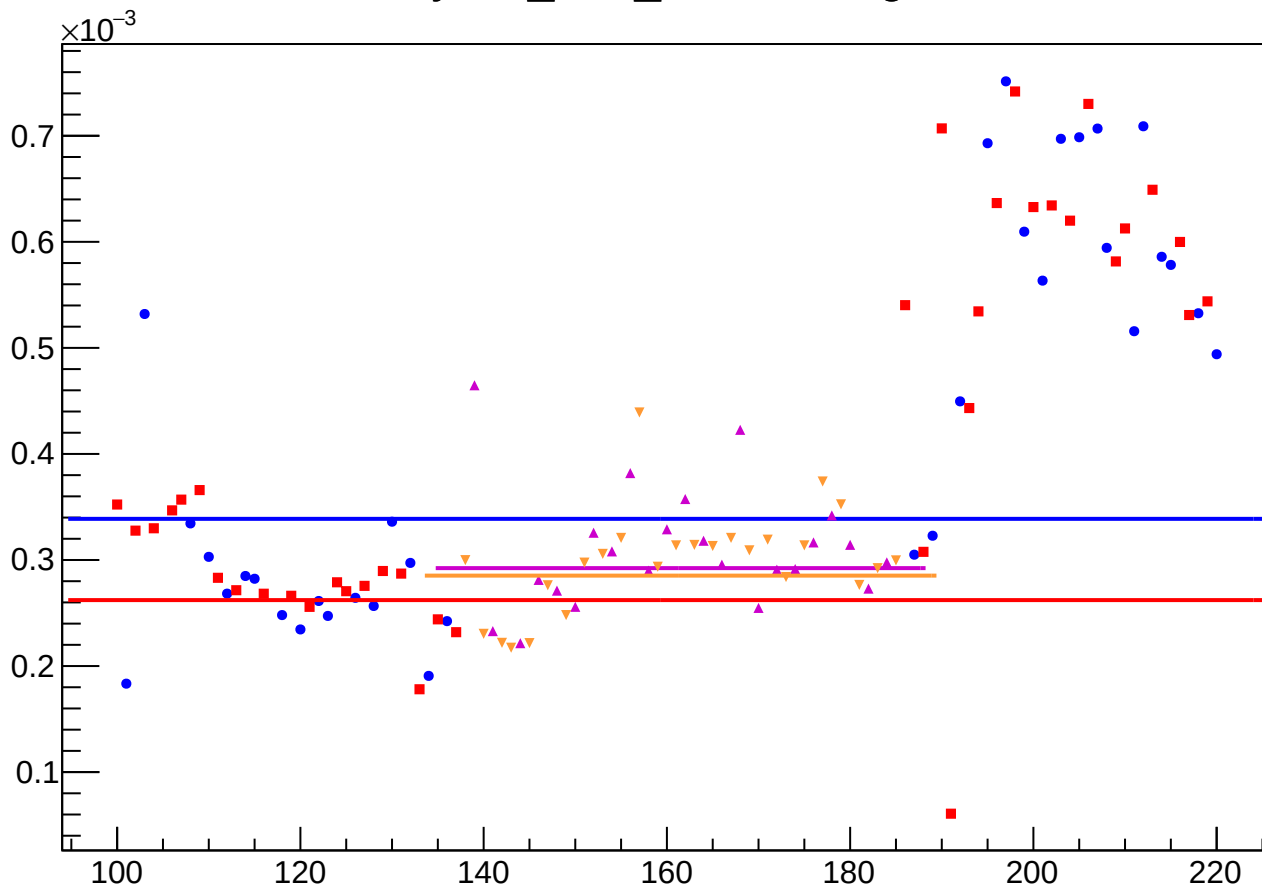
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7437796907.4/58

All: 0.023+/-0.000 χ^2/NDF : 54860702236.6/100

- sign 0.021+/-0.000 χ^2/NDF : 45204276434.4/59

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6271275.1/33

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11627707.8/36

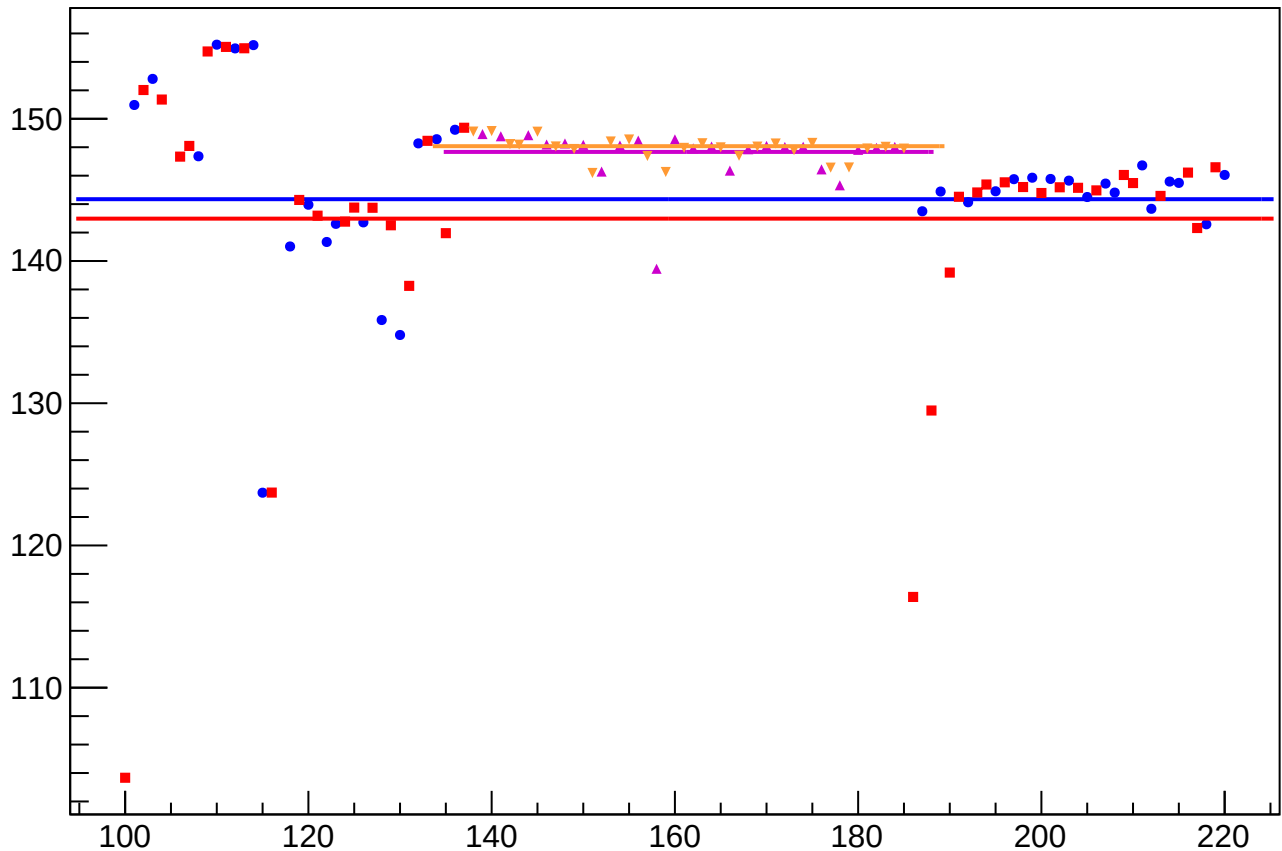
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7530781.1/58

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 20499153.2/118

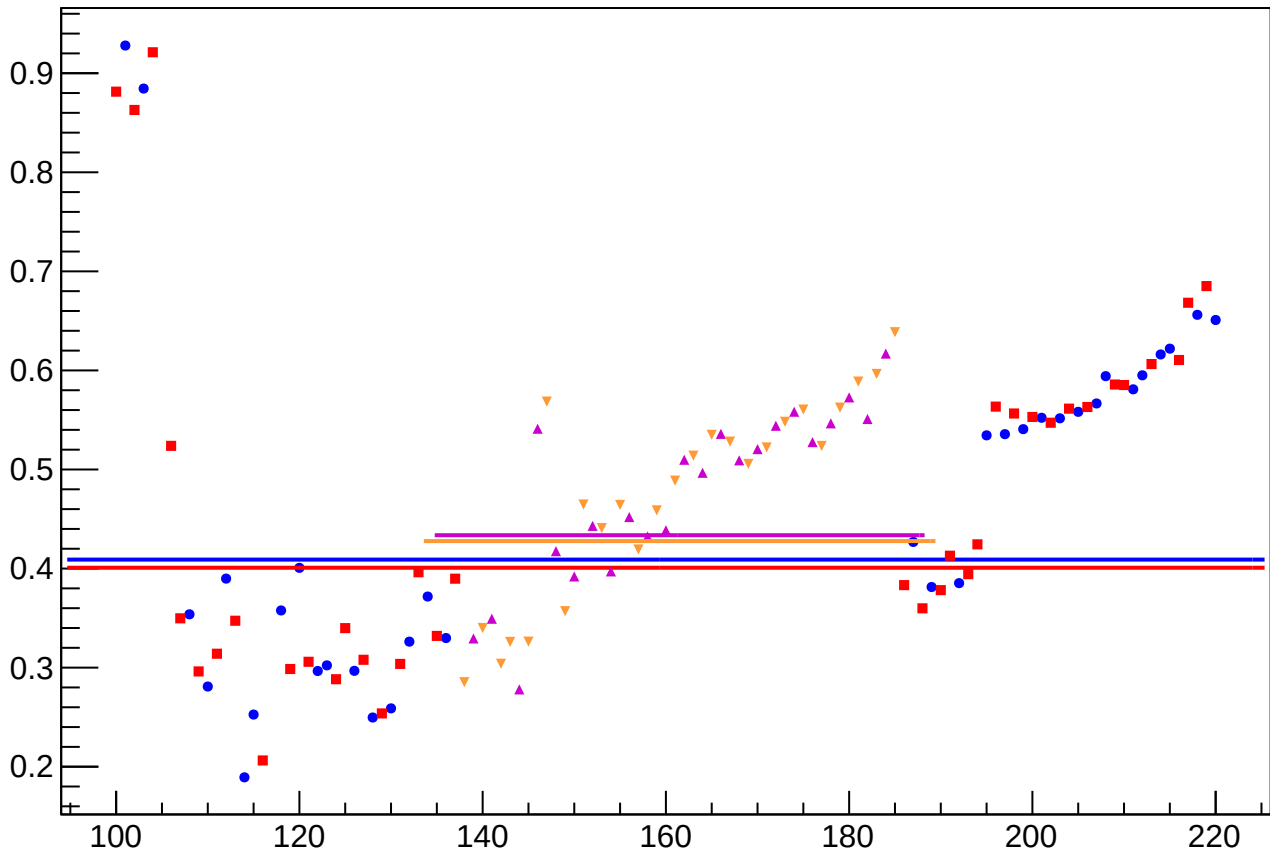
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12691020.0/59

yield_bcm_an_ds_mean vs Slug



Right In: 144.346+/-0.000	χ^2/NDF : 3520638484.4/33	+ sign 146.176+/-0.000	χ^2/NDF : 4242060708.4/58
Left Out: 148.073+/-0.000	χ^2/NDF : 65614067.4/24	All: 145.639+/-0.000	χ^2/NDF : 13228769307.
Right Out: 142.979+/-0.000	χ^2/NDF : 7493022901.1/36	- sign 145.107+/-0.000	χ^2/NDF : 8878105613.1/59
Left In: 147.670+/-0.000	χ^2/NDF : 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.409 ± 0.000 $\chi^2/\text{NDF}: 4085345.3/33$

Left Out: 0.428 ± 0.000 $\chi^2/\text{NDF}: 1896808.7/24$

Right Out: 0.401 ± 0.000 $\chi^2/\text{NDF}: 3803366.0/36$

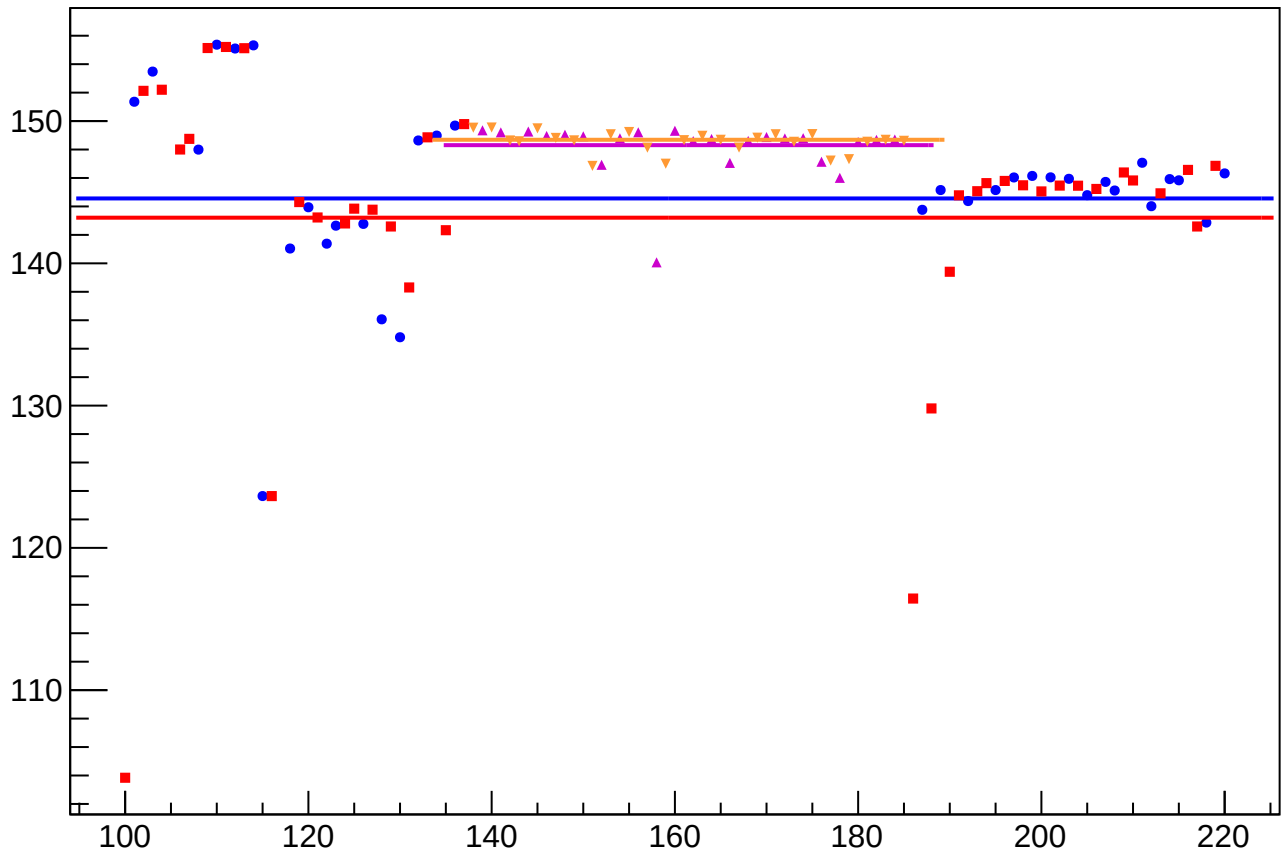
Left In: 0.434 ± 0.000 $\chi^2/\text{NDF}: 1496343.5/22$

+ sign 0.418 ± 0.000 $\chi^2/\text{NDF}: 6015128.8/58$

All: 0.417 ± 0.000 $\chi^2/\text{NDF}: 11417940.0/118$

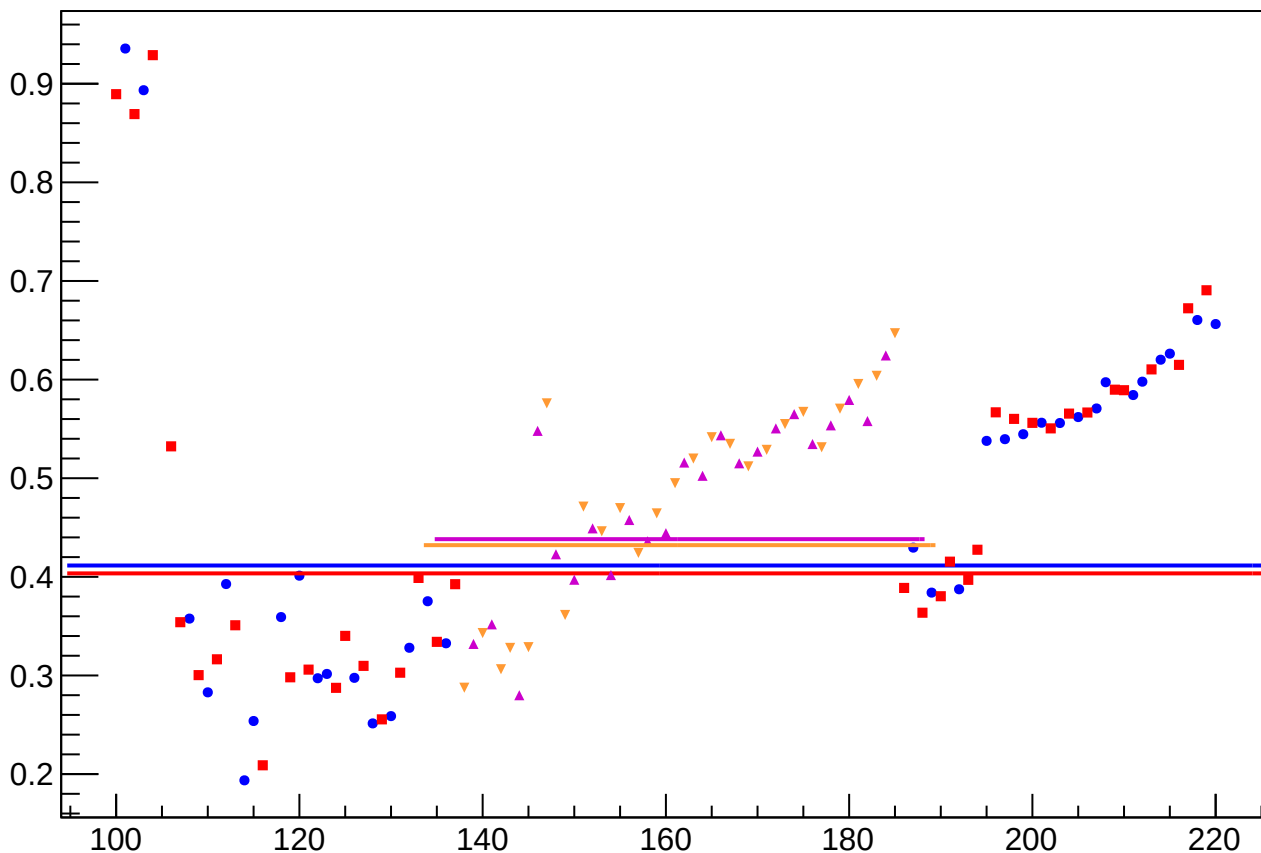
- sign 0.416 ± 0.000 $\chi^2/\text{NDF}: 5401625.8/59$

yield_bcm_an_ds3_mean vs Slug



Right In: 144.561+/-0.000	χ^2/NDF : 3571966170.9/33	+ sign 146.578+/-0.000	χ^2/NDF : 4414139631.0/58
Left Out: 148.686+/-0.000	χ^2/NDF : 52218185.1/24	All: 146.042+/-0.000	χ^2/NDF : 13505971226.
Right Out: 143.209+/-0.000	χ^2/NDF : 7445783904.2/36	- sign 145.511+/-0.000	χ^2/NDF : 8985647578.4/59
Left In: 148.307+/-0.000	χ^2/NDF : 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.411 ± 0.000 χ^2/NDF : 4095773.8/33

Left Out: 0.432 ± 0.000 χ^2/NDF : 1929031.5/24

Right Out: 0.404 ± 0.000 χ^2/NDF : 3807987.3/36

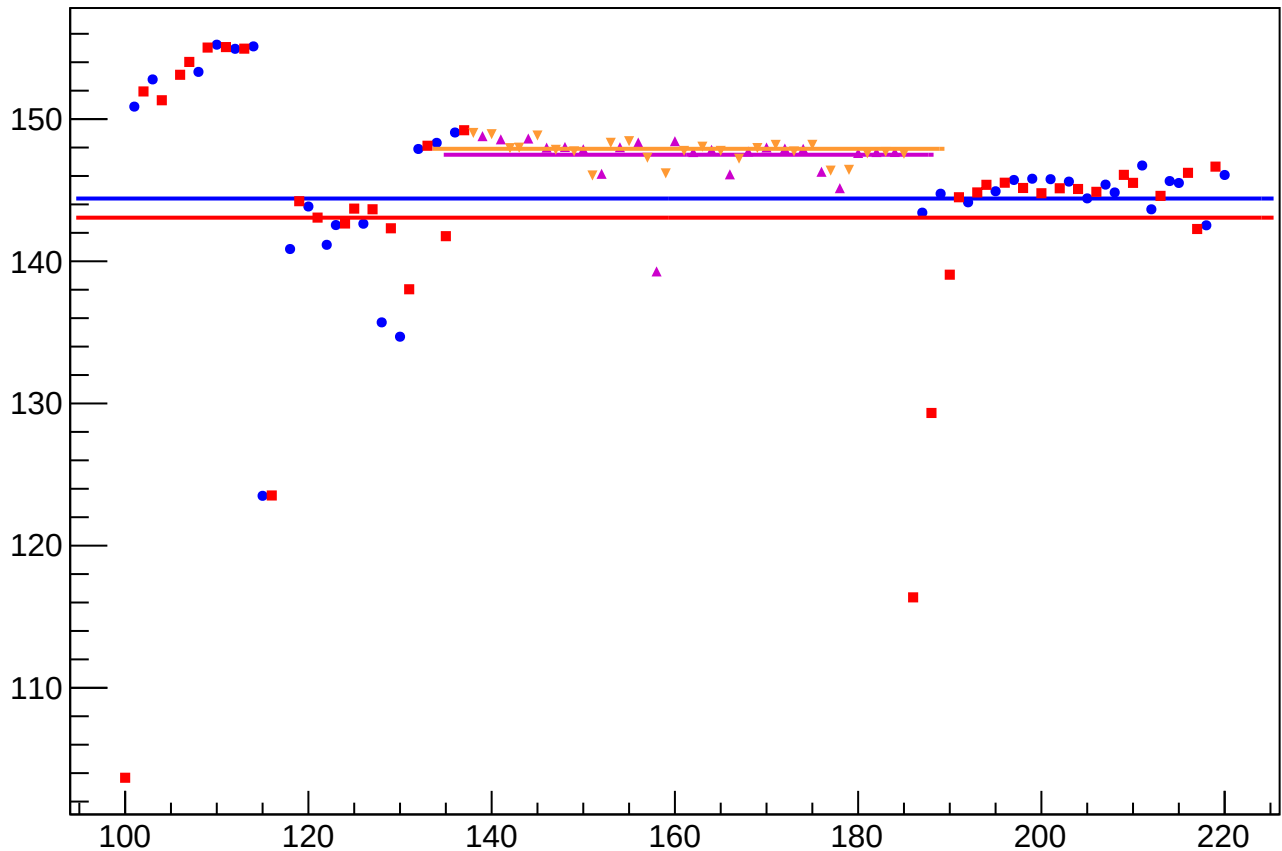
Left In: 0.438 ± 0.000 χ^2/NDF : 1521893.6/22

+ sign 0.422 ± 0.000 χ^2/NDF : 6064332.9/58

All: 0.420 ± 0.000 χ^2/NDF : 11507100.7/118

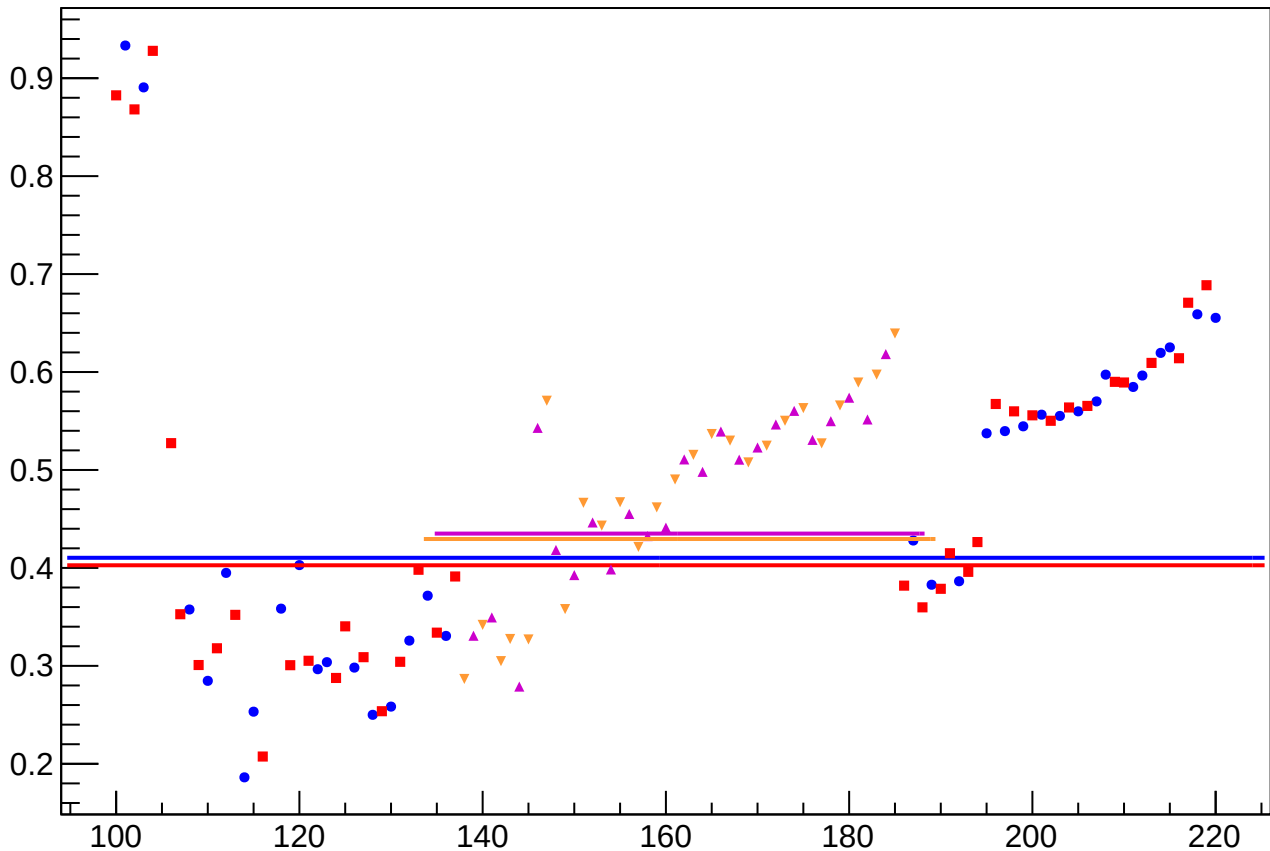
- sign 0.419 ± 0.000 χ^2/NDF : 5441685.1/59

yield_bcm_an_us_mean vs Slug



Right In: 144.414 $\pm$ 0.000	χ^2 /NDF: 3726293162.8/33	+ sign 146.131 $\pm$ 0.000	χ^2 /NDF: 4363495397.7/58
Left Out: 147.911 $\pm$ 0.000	χ^2 /NDF: 64412407.9/24	All: 145.602 $\pm$ 0.000	χ^2 /NDF: 13596223367.
Right Out: 143.067 $\pm$ 0.000	χ^2 /NDF: 7865957569.8/36	- sign 145.078 $\pm$ 0.000	χ^2 /NDF: 9128288706.0/59
Left In: 147.493 $\pm$ 0.000	χ^2 /NDF: 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.410 $\pm$ 0.000 χ^2 /NDF: 4127896.2/33

Left Out: 0.430 $\pm$ 0.000 χ^2 /NDF:1895701.4/24

Right Out: 0.403 $\pm$ 0.000 χ^2 /NDF: 3810586.2/36

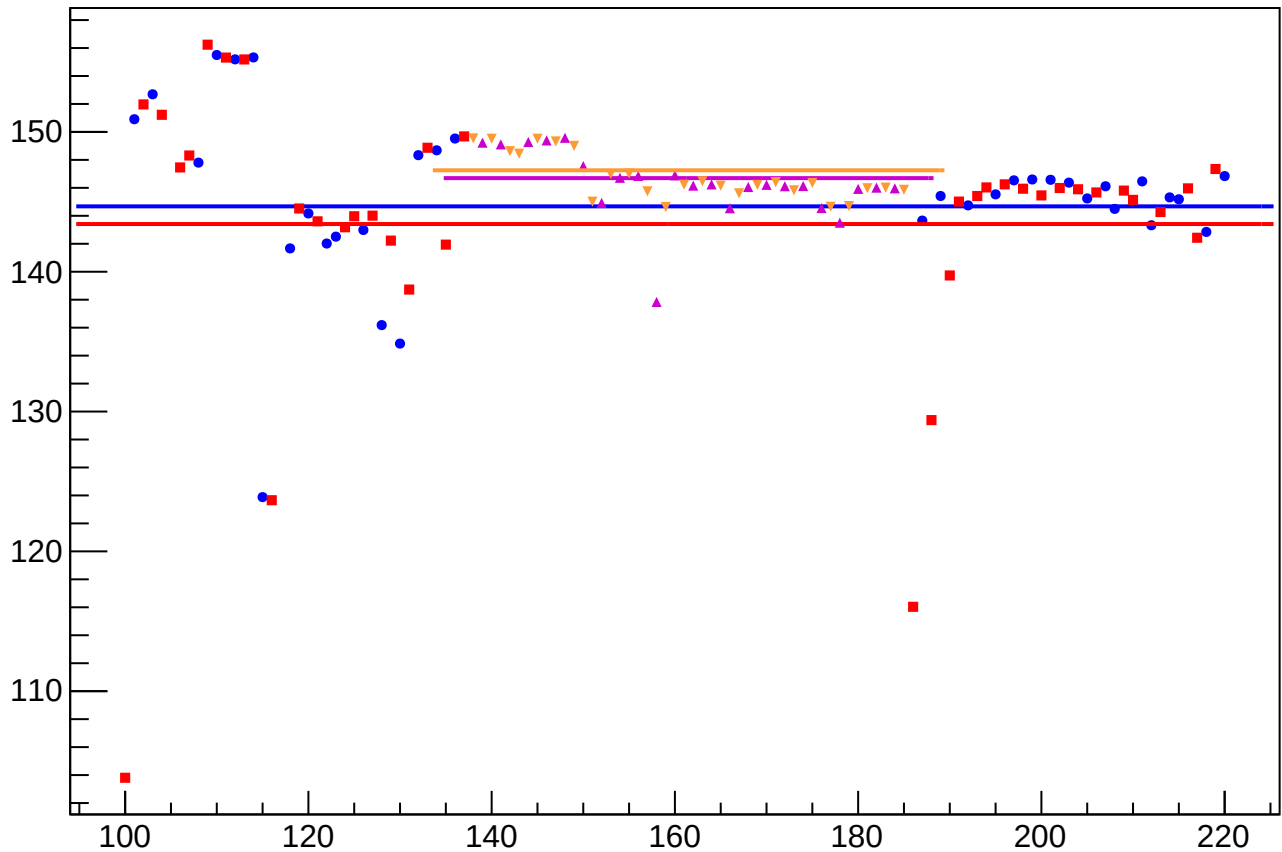
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1502712.5/22

+ sign 0.420 $\pm$ 0.000 χ^2 /NDF: 6058044.2/58

All: 0.419 $\pm$ 0.000 χ^2 /NDF: 11470576.9/118

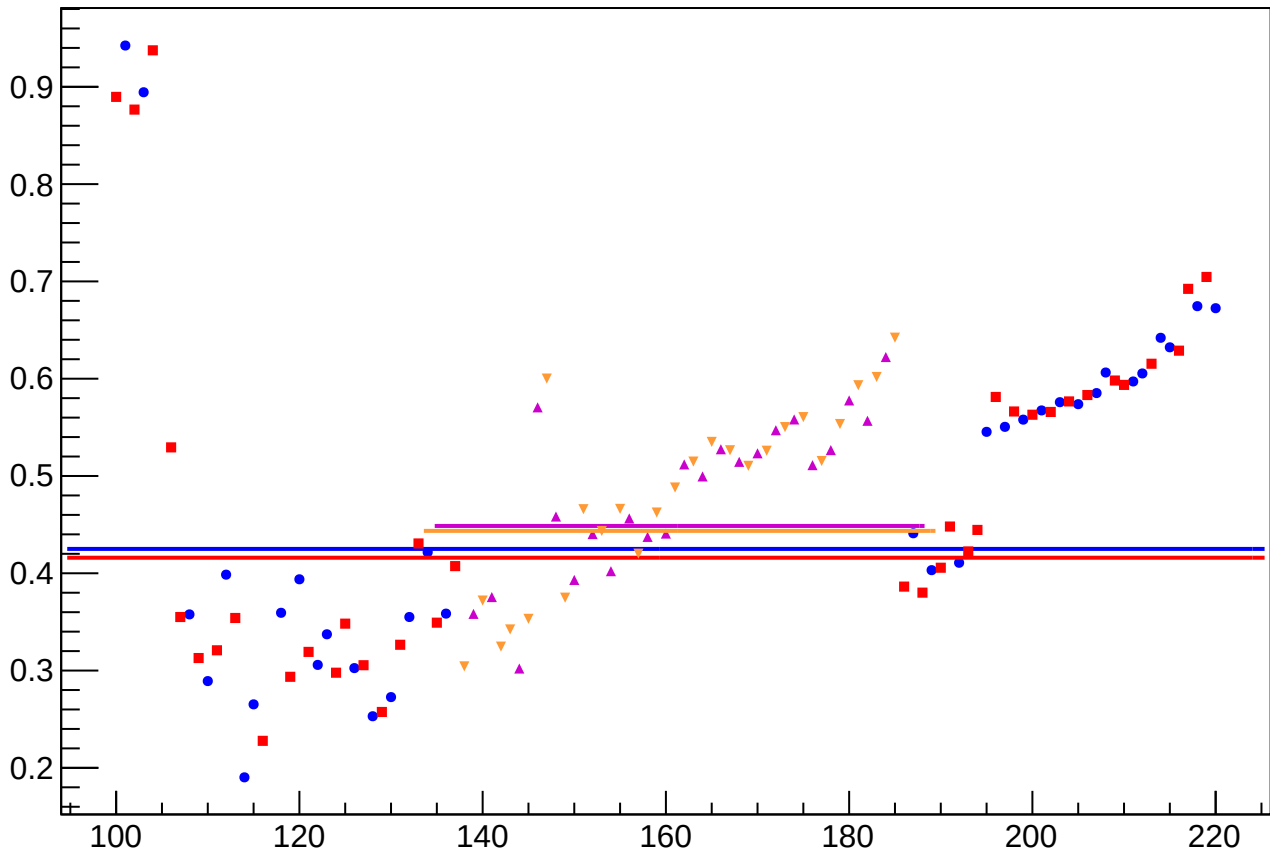
- sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5411478.1/59

yield_bcm_dg_us_mean vs Slug



Right In: 144.677 $\pm$ 0.000	χ^2 /NDF: 3248098355.7/33	+ sign 145.952 $\pm$ 0.000	χ^2 /NDF: 3802884494.2/58
Left Out: 147.255 $\pm$ 0.000	χ^2 /NDF: 262138049.8/24	All: 145.430 $\pm$ 0.000	χ^2 /NDF: 12114707897.
Right Out: 143.412 $\pm$ 0.000	χ^2 /NDF: 7181518011.6/36	- sign 144.915 $\pm$ 0.000	χ^2 /NDF: 8216557517.5/59
Left In: 146.695 $\pm$ 0.000	χ^2 /NDF: 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.425 $\pm$ 0.000 χ^2 /NDF: 3988953.2/33

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.416 $\pm$ 0.000 χ^2 /NDF: 3691788.7/36

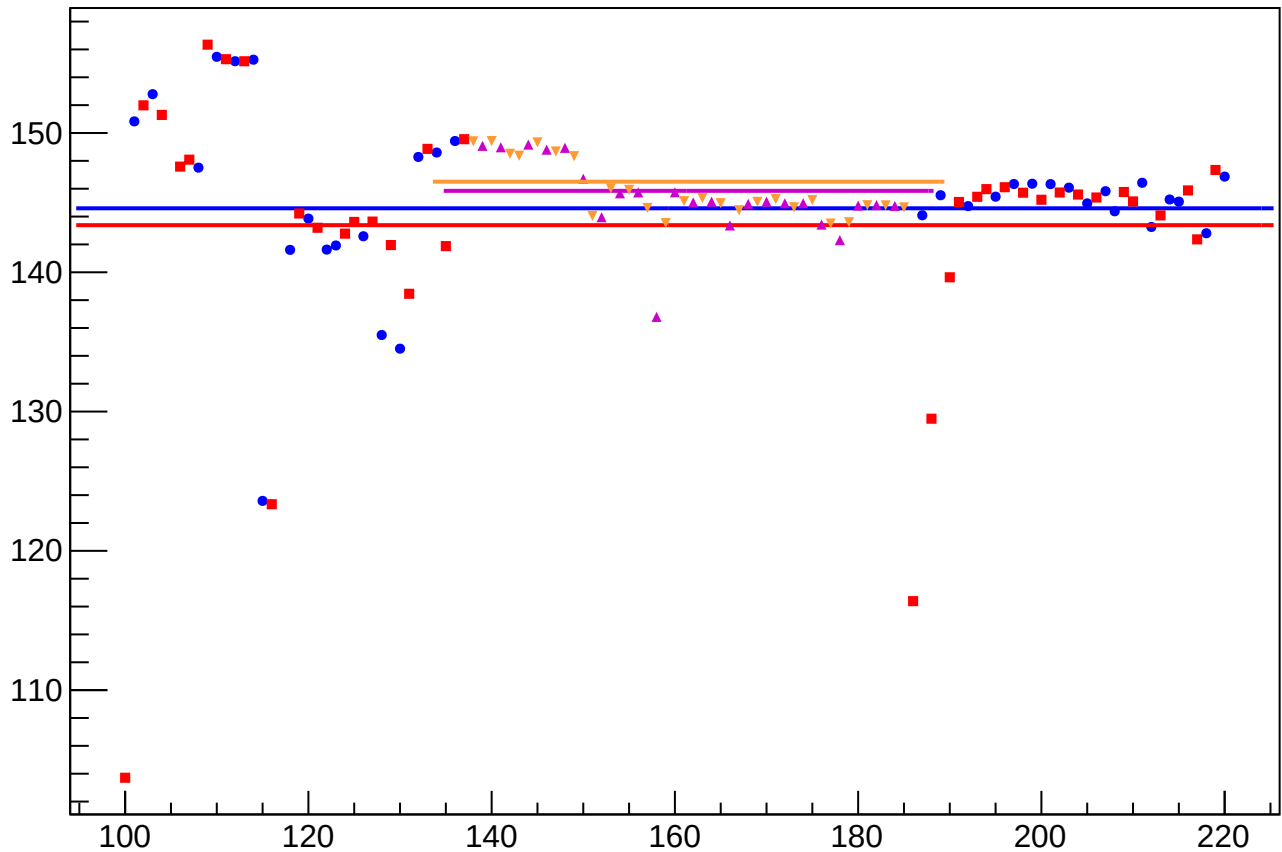
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.434 $\pm$ 0.000 χ^2 /NDF: 5502668.3/58

All: 0.433 $\pm$ 0.000 χ^2 /NDF: 10423334.4/118

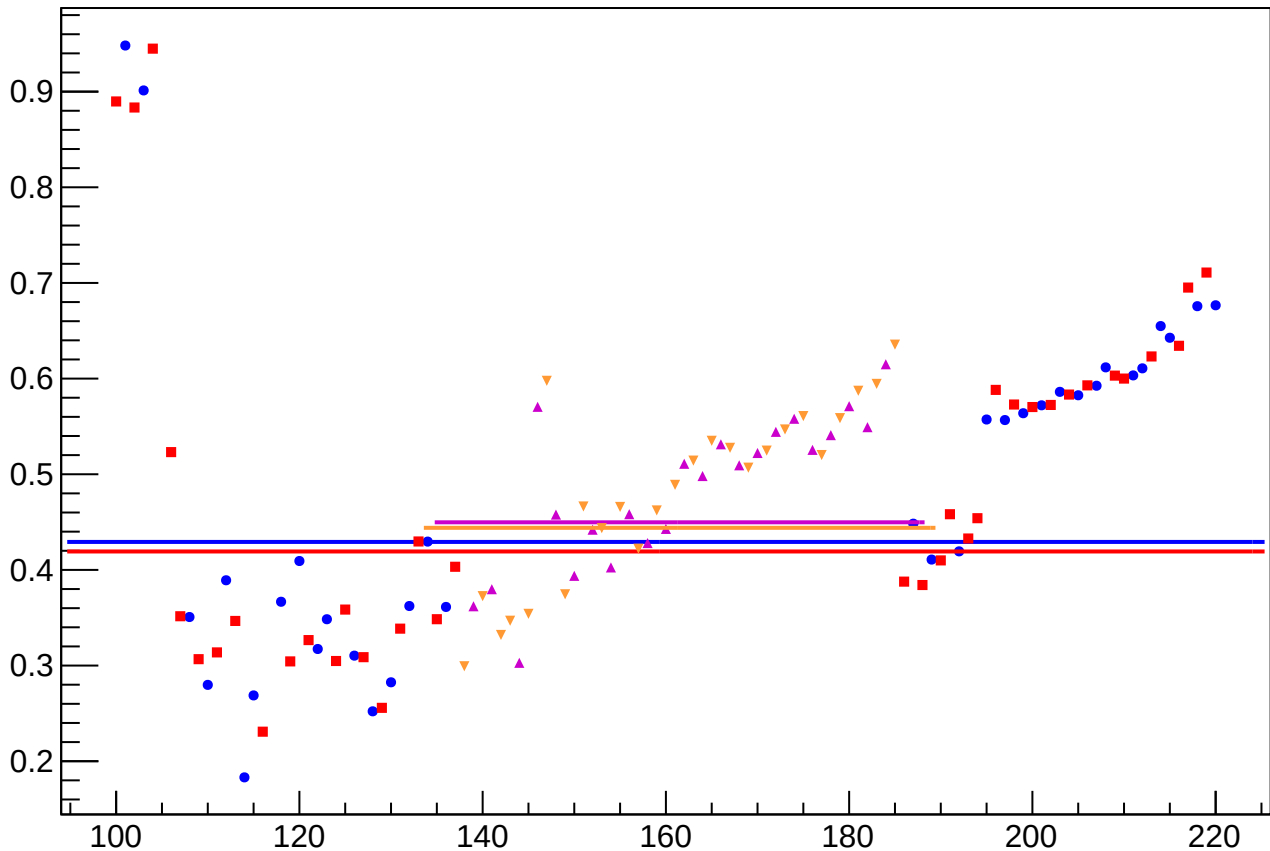
- sign 0.431 $\pm$ 0.000 χ^2 /NDF: 4918760.5/59

yield_bcm_dg_ds_mean vs Slug



Right In: 144.593+/-0.000	χ^2/NDF : 3358443136.4/33	+ sign 145.549+/-0.000	χ^2/NDF : 3918956228.8/58
Left Out: 146.505+/-0.000	χ^2/NDF : 401688176.3/24	All: 145.031+/-0.000	χ^2/NDF : 12105100464.
Right Out: 143.383+/-0.000	χ^2/NDF : 7133128296.2/36	- sign 144.519+/-0.000	χ^2/NDF : 8093381874.8/59
Left In: 145.847+/-0.000	χ^2/NDF : 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.429 $\pm$ 0.000 χ^2 /NDF: 4036801.9/33

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1463293.5/24

Right Out: 0.419 $\pm$ 0.000 χ^2 /NDF: 3725416.4/36

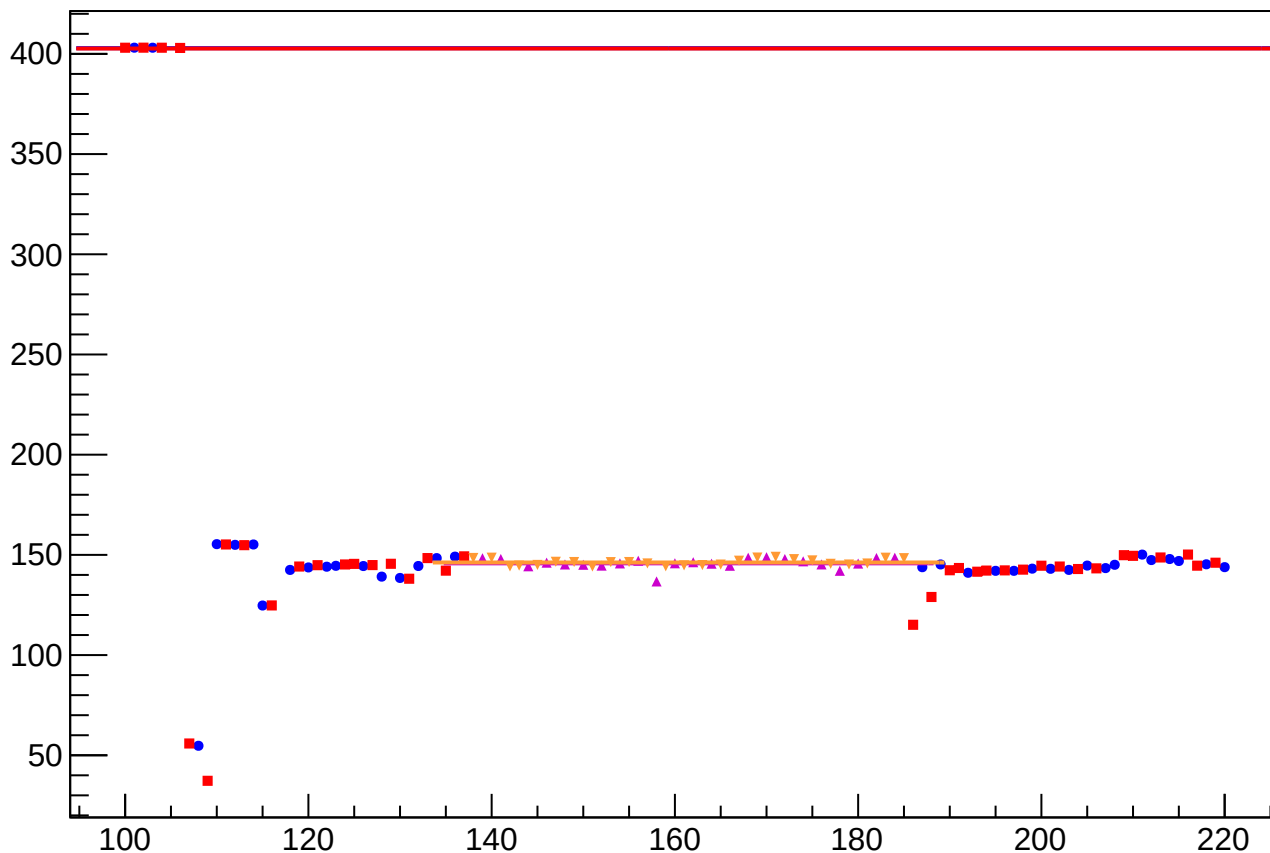
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

+ sign 0.437 $\pm$ 0.000 χ^2 /NDF: 5519018.1/58

All: 0.435 $\pm$ 0.000 χ^2 /NDF: 10433150.4/118

- sign 0.433 $\pm$ 0.000 χ^2 /NDF: 4912231.3/59

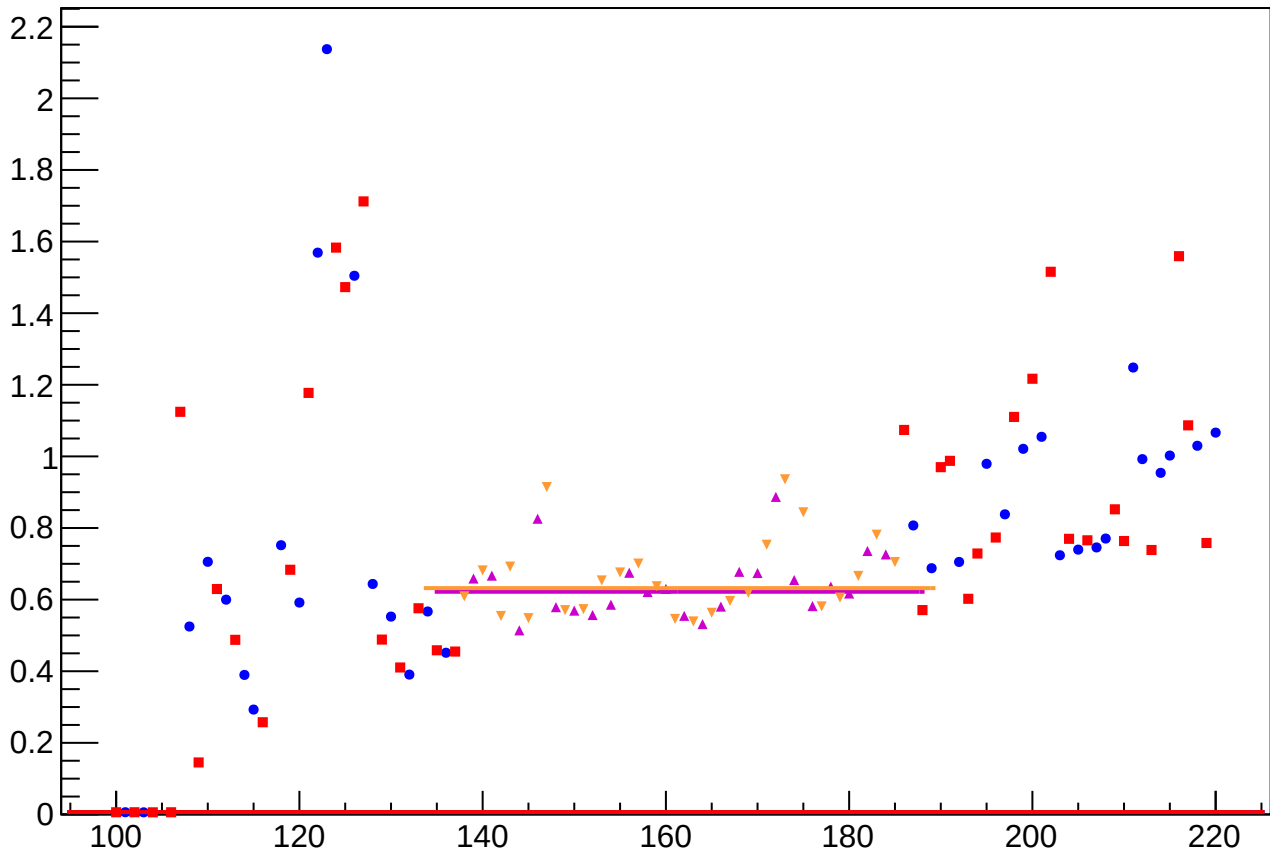
yield_cav4bQ_mean vs Slug



Right In: 402.849 $\pm$ 0.000 χ^2 /NDF: 1969881884559.1/33
 Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24
 Right Out: 402.678 $\pm$ 0.000 χ^2 /NDF: 4212475367769.0/36
 Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

+ sign 402.553 $\pm$ 0.000 χ^2 /NDF: 4339873139634.5
 All: 402.482 $\pm$ 0.000 χ^2 /NDF: 108978849782
 - sign 402.419 $\pm$ 0.000 χ^2 /NDF: 6557717414162.1

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 28680746.9/33

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:614155.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 30507750.8/36

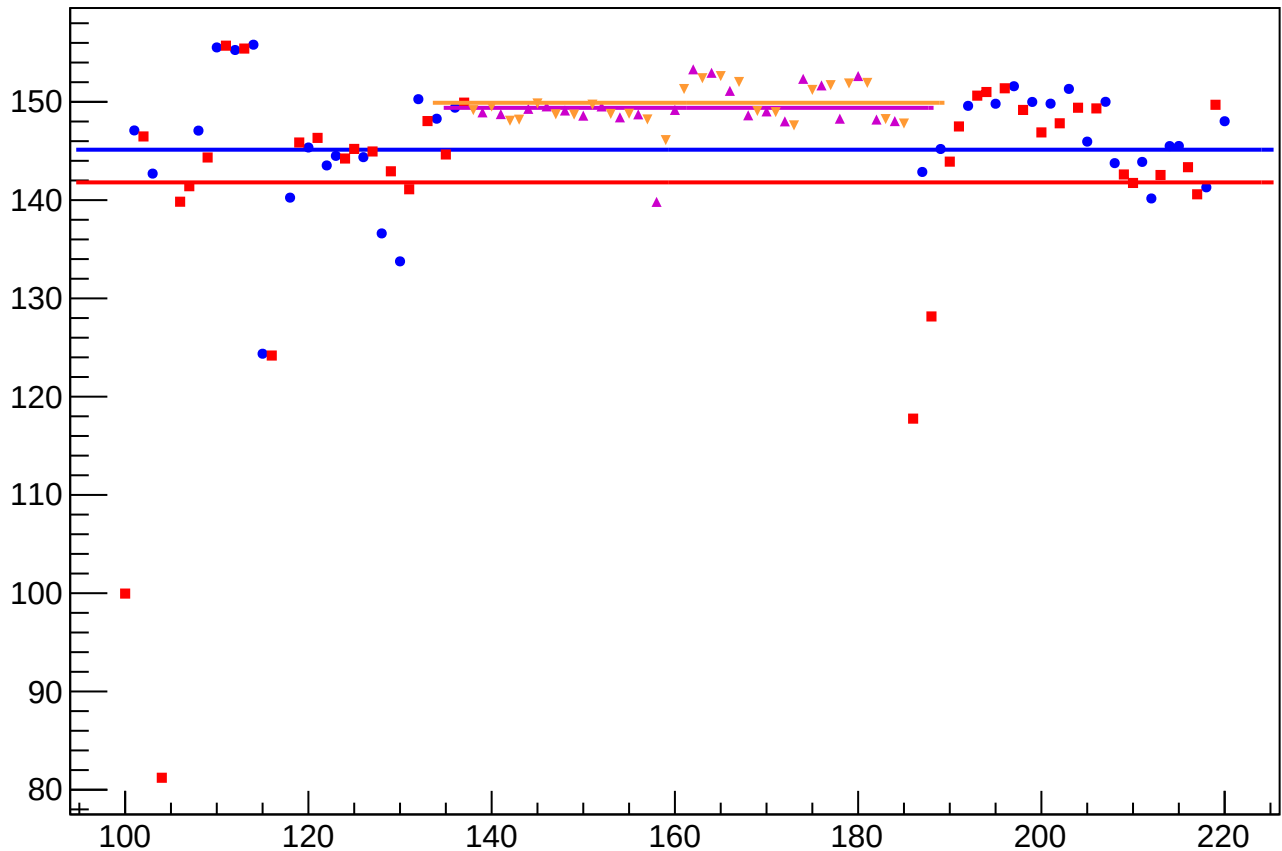
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 57442247.2/58

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 115253860.7/118

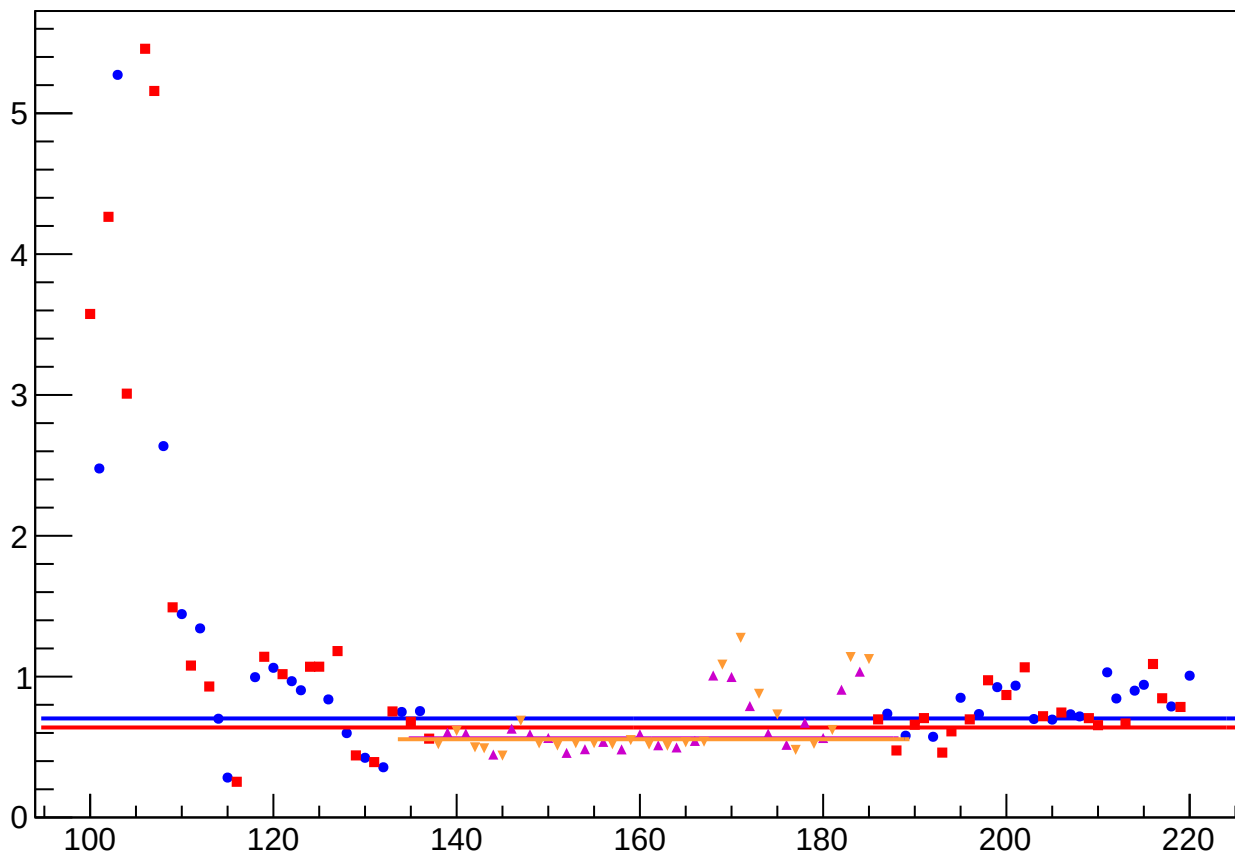
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 57811224.1/59

yield_cav4cQ_mean vs Slug



Right In: 145.131+/-0.000	χ^2/NDF : 1385556142.4/33	+ sign 148.237+/-0.000	χ^2/NDF : 1954578329.6/58
Left Out: 149.906+/-0.000	χ^2/NDF : 163261802.4/24	All: 147.221+/-0.000	χ^2/NDF : 7024738249.9
Right Out: 141.804+/-0.000	χ^2/NDF : 3337613774.1/36	- sign 146.243+/-0.000	χ^2/NDF : 4911408532.4/59
Left In: 149.391+/-0.000	χ^2/NDF : 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.703 ± 0.000 χ^2/NDF : 4501489.3/33

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.639 ± 0.000 χ^2/NDF : 5968361.0/36

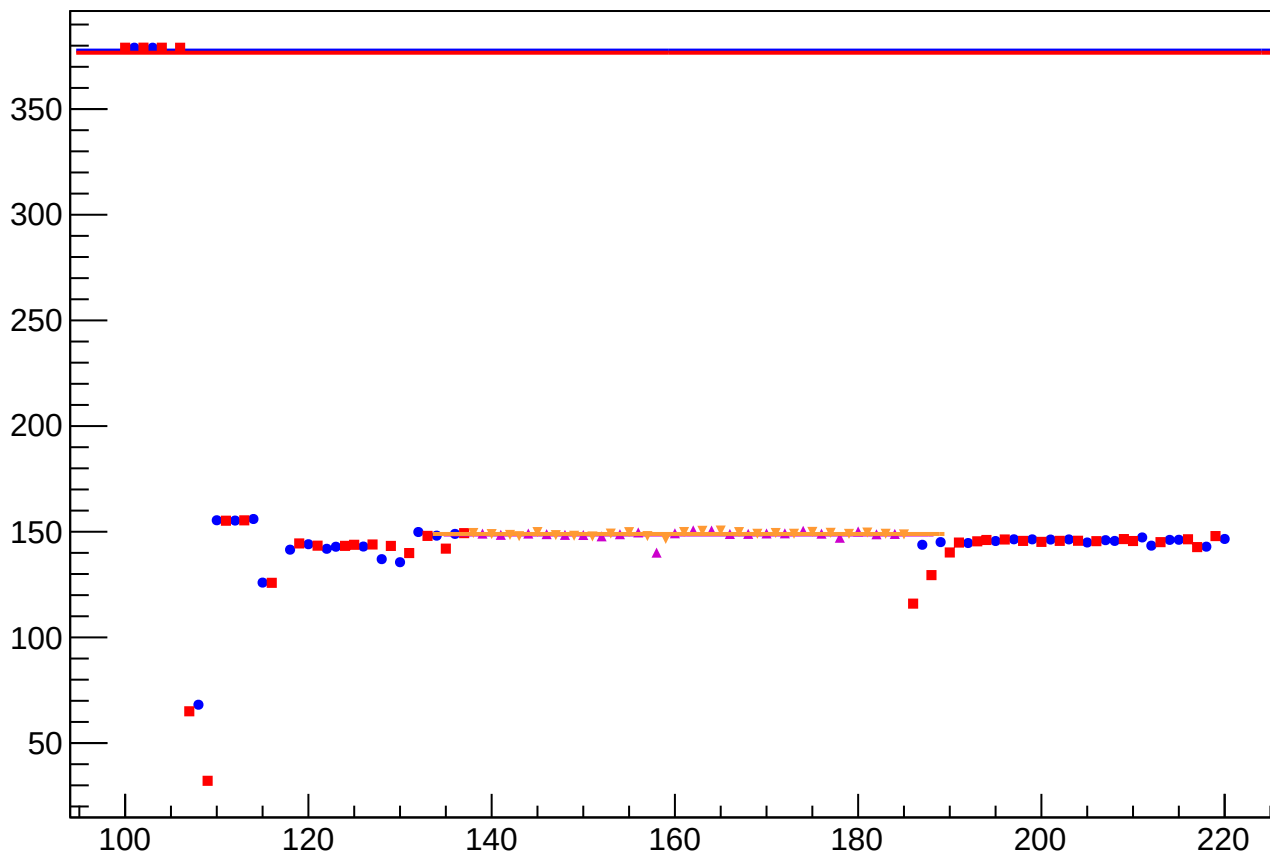
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.607 ± 0.000 χ^2/NDF : 7050650.1/58

All: 0.600 ± 0.000 χ^2/NDF : 14576851.0/118

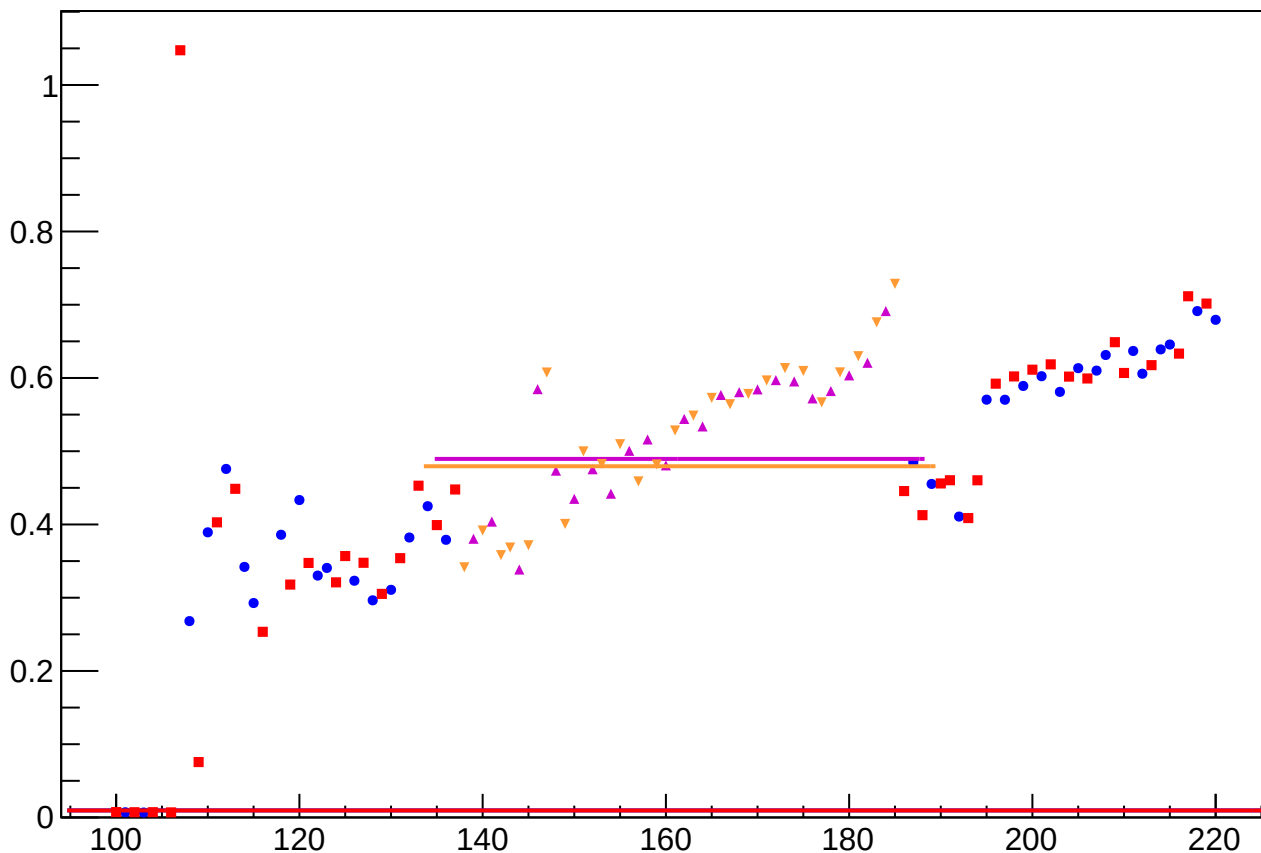
- sign 0.594 ± 0.000 χ^2/NDF : 7512643.3/59

yield_cav4dQ_mean vs Slug



Right In: 377.672+/-0.000	χ^2/NDF : 4401807381662.9/33	+ sign 376.396+/-0.000	χ^2/NDF : 8296355546103.1
Left Out: 148.946+/-0.000	χ^2/NDF : 63974844.7/24	All: 375.993+/-0.000	χ^2/NDF : 223722219396
Right Out: 376.666+/-0.000	χ^2/NDF : 10506024307883.4/36	- sign 375.639+/-0.000	χ^2/NDF : 14071766772249.1
Left In: 148.683+/-0.000	χ^2/NDF : 253848207.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 32926108.8/33

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1518765.9/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 33045593.5/36

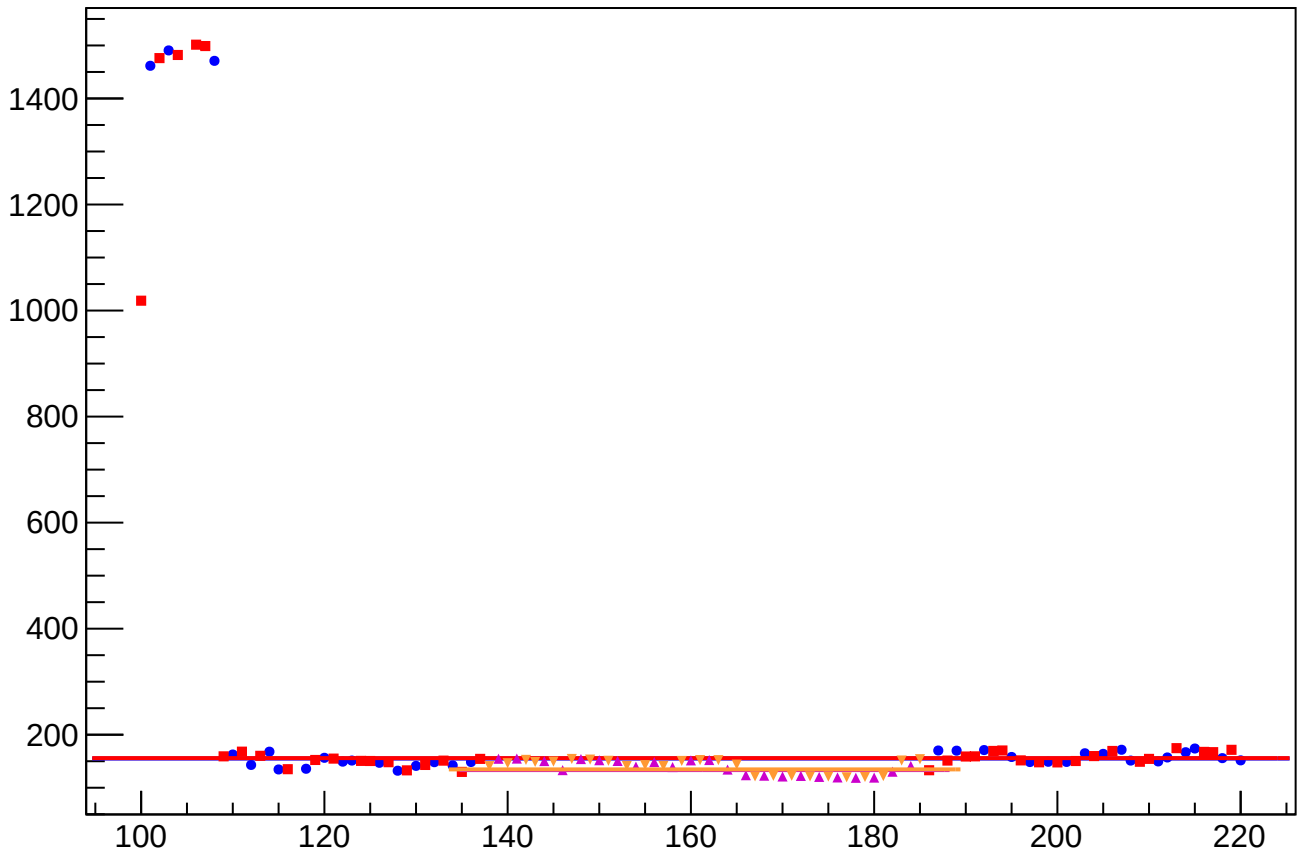
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 67315930.6/58

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 133061581.7/118

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 65741732.9/59

yield_bcm0l02_mean vs Slug



Right In: 155.029+/-0.000 χ^2/NDF : 26175533330.5/33

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 155.865+/-0.000 χ^2/NDF : 35434719193.9/36

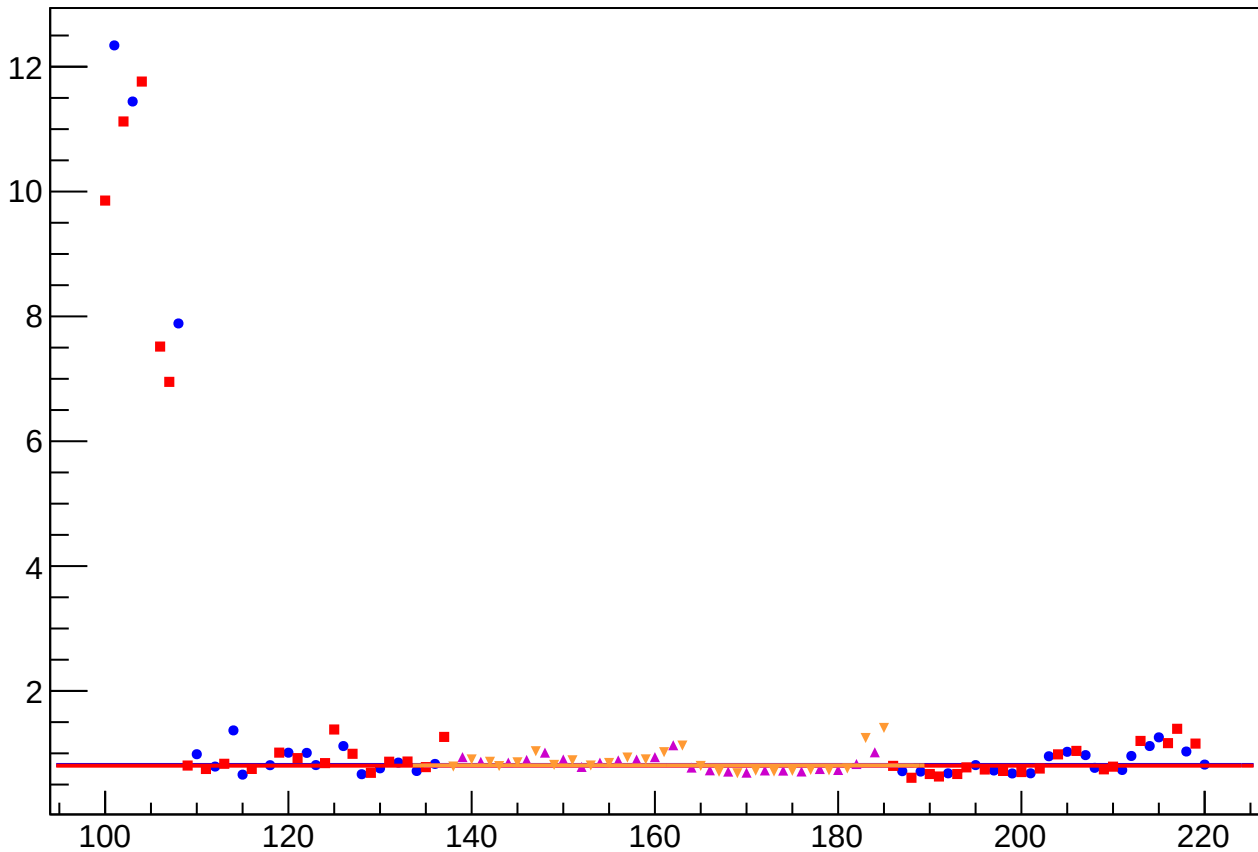
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 144.249+/-0.000 χ^2/NDF : 35253559967.5/58

All: 144.320+/-0.000 χ^2/NDF : 80777297717.1

- sign 144.390+/-0.000 χ^2/NDF : 45523291925.8/59

yield_bcm0l02_rms vs Slug



Right In: 0.814 ± 0.000 χ^2/NDF : 3363884.5/33

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.803 ± 0.000 χ^2/NDF : 3933074.0/36

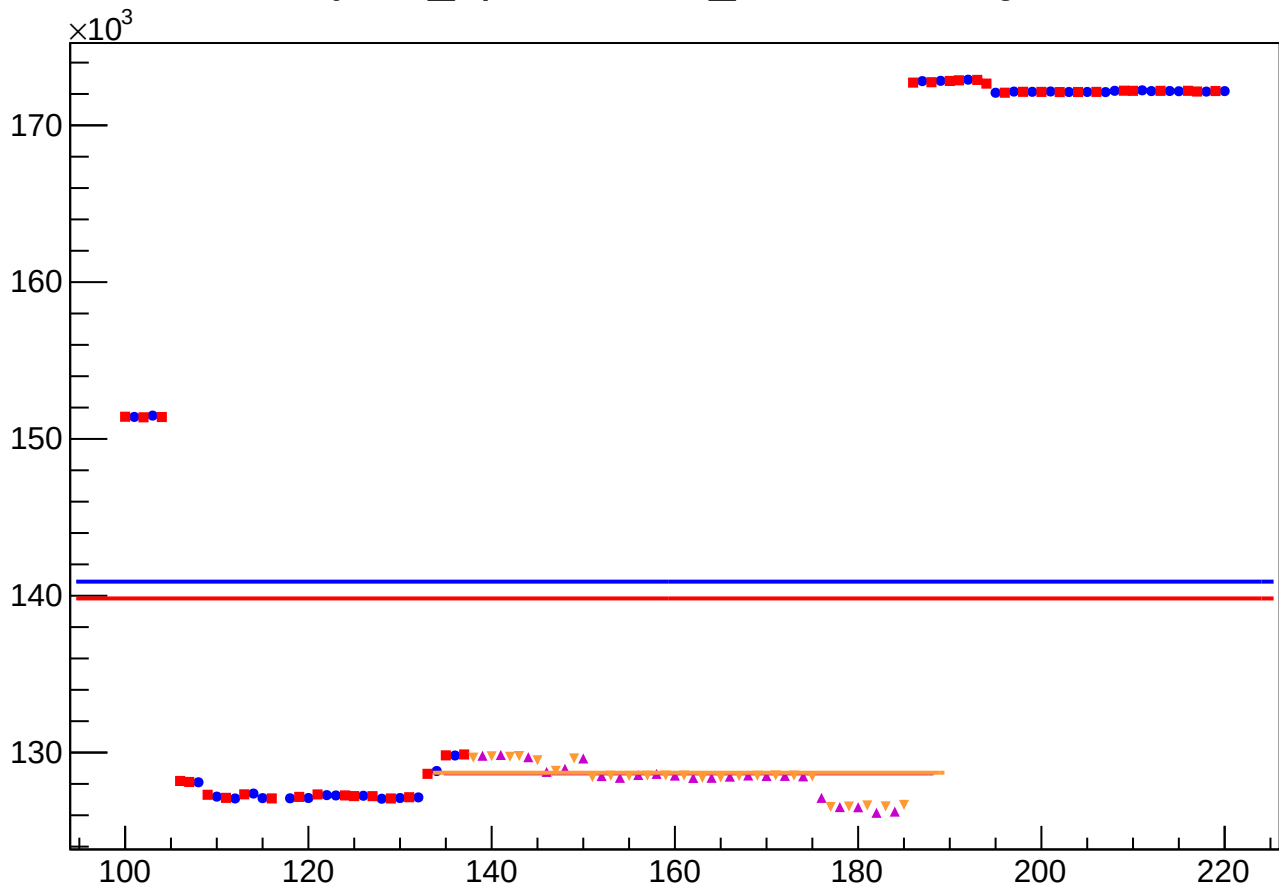
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.810 ± 0.000 χ^2/NDF : 4069274.6/58

All: 0.807 ± 0.000 χ^2/NDF : 8484027.9/118

- sign 0.804 ± 0.000 χ^2/NDF : 4412841.1/59

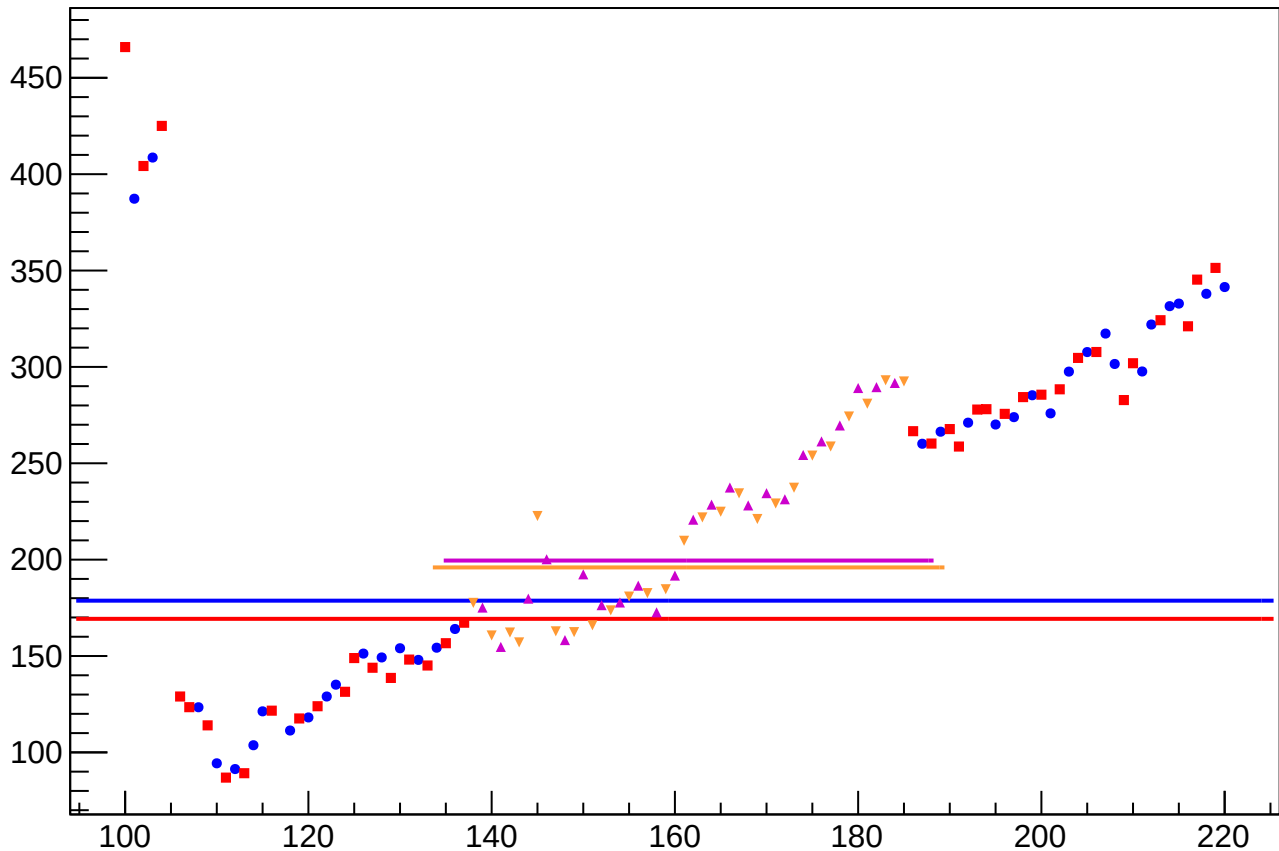
yield_bpm2i01WS_mean vs Slug



Right In: 140899.259+/-0.046 χ^2/NDF : 195115851645.5/33
 Left Out: 128713.791+/-0.047 χ^2/NDF : 348293942.5/24
 Right Out: 139827.962+/-0.043 χ^2/NDF : 212053912440.3/36
 Left In: 128670.094+/-0.049 χ^2/NDF : 334875494.0/22

+ sign 134892.015+/-0.033 χ^2/NDF : 230055796953
 All: 134916.729+/-0.023 χ^2/NDF : 471785554
 - sign 134940.789+/-0.032 χ^2/NDF : 241728634014

yield_bpm2i01WS_rms vs Slug



Right In: 178.714 $\pm$ 0.033 χ^2 /NDF: 7132046.5/33

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 169.286 $\pm$ 0.030 χ^2 /NDF: 7628770.9/36

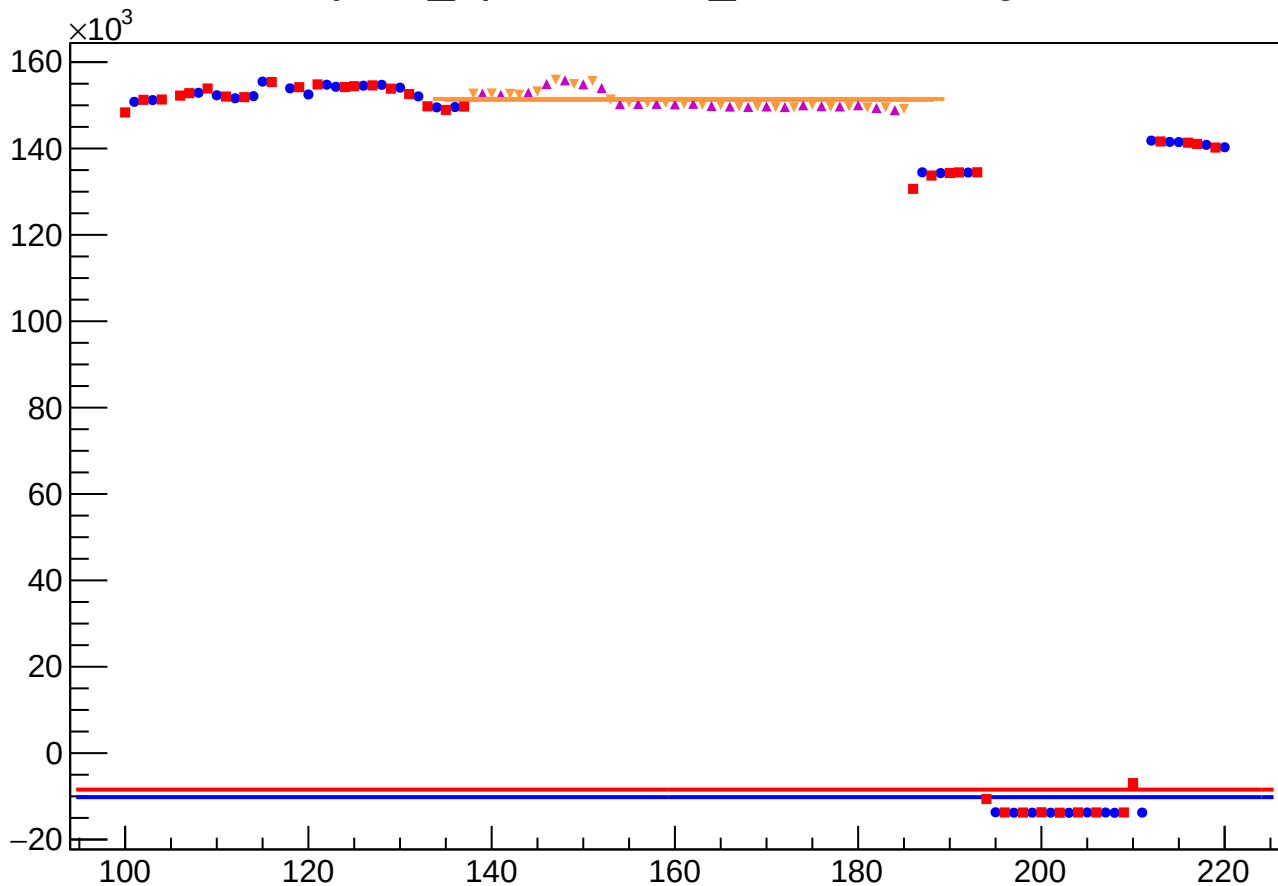
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 187.218 $\pm$ 0.023 χ^2 /NDF: 8586783.0/58

All: 184.844 $\pm$ 0.016 χ^2 /NDF: 17842778.2/11

- sign 182.534 $\pm$ 0.023 χ^2 /NDF: 9235269.8/59

yield_bpm0i07WS_mean vs Slug



Right In: -10194.382 ± 0.009

χ^2/NDF : 6742798365676.4/33

Left Out: 151480.339 ± 0.049

χ^2/NDF : 1483692735.3/24

Right Out: -8441.955 ± 0.010

χ^2/NDF : 7825736925962.9/36

Left In: 151362.440 ± 0.051

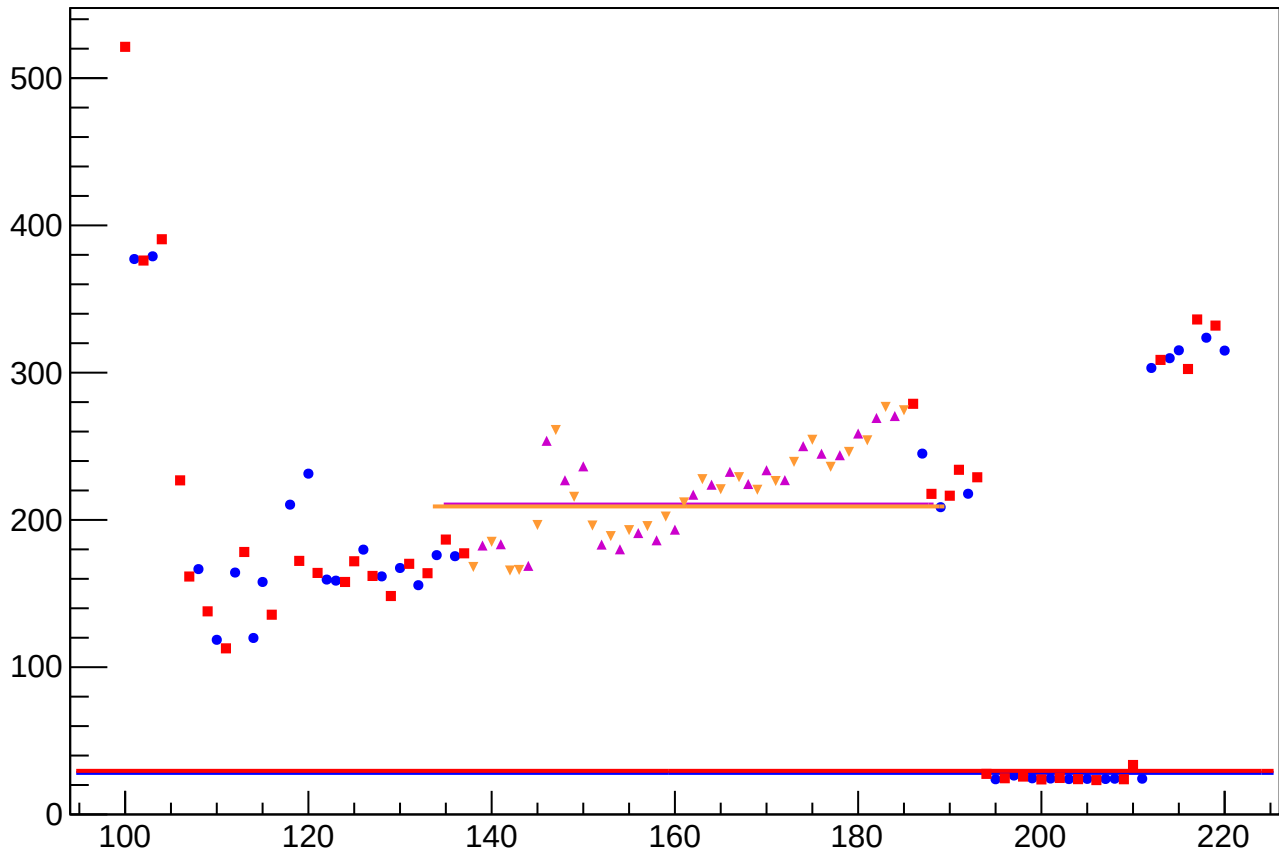
χ^2/NDF : 1426782789.9/22

+ sign -4809.728 ± 0.009 χ^2/NDF : 1706847993546

All: -3768.009 ± 0.007 χ^2/NDF : 3429744329

- sign -2526.850 ± 0.010 χ^2/NDF : 17199789050272

yield_bpm0i07WS_rms vs Slug



Right In: 28.231 $\pm$ 0.006 χ^2 /NDF: 17669917.4/33

Left Out: 209.156 $\pm$ 0.035 χ^2 /NDF: 710094.9/24

Right Out: 29.614 $\pm$ 0.007 χ^2 /NDF: 18462619.3/36

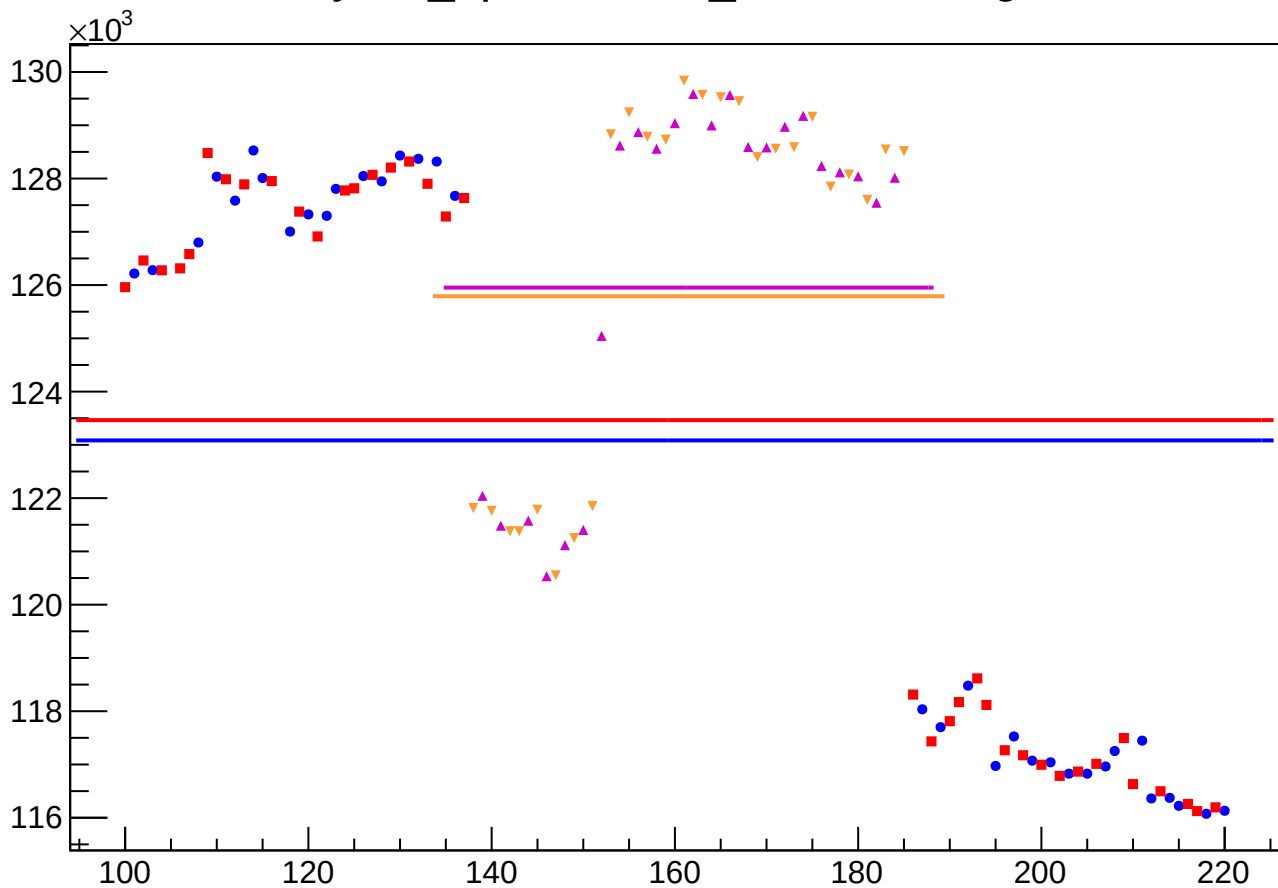
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 34.257 $\pm$ 0.006 χ^2 /NDF: 44238178.9/58

All: 35.192 $\pm$ 0.005 χ^2 /NDF: 87430630.8/118

- sign 36.307 $\pm$ 0.007 χ^2 /NDF: 43145375.6/59

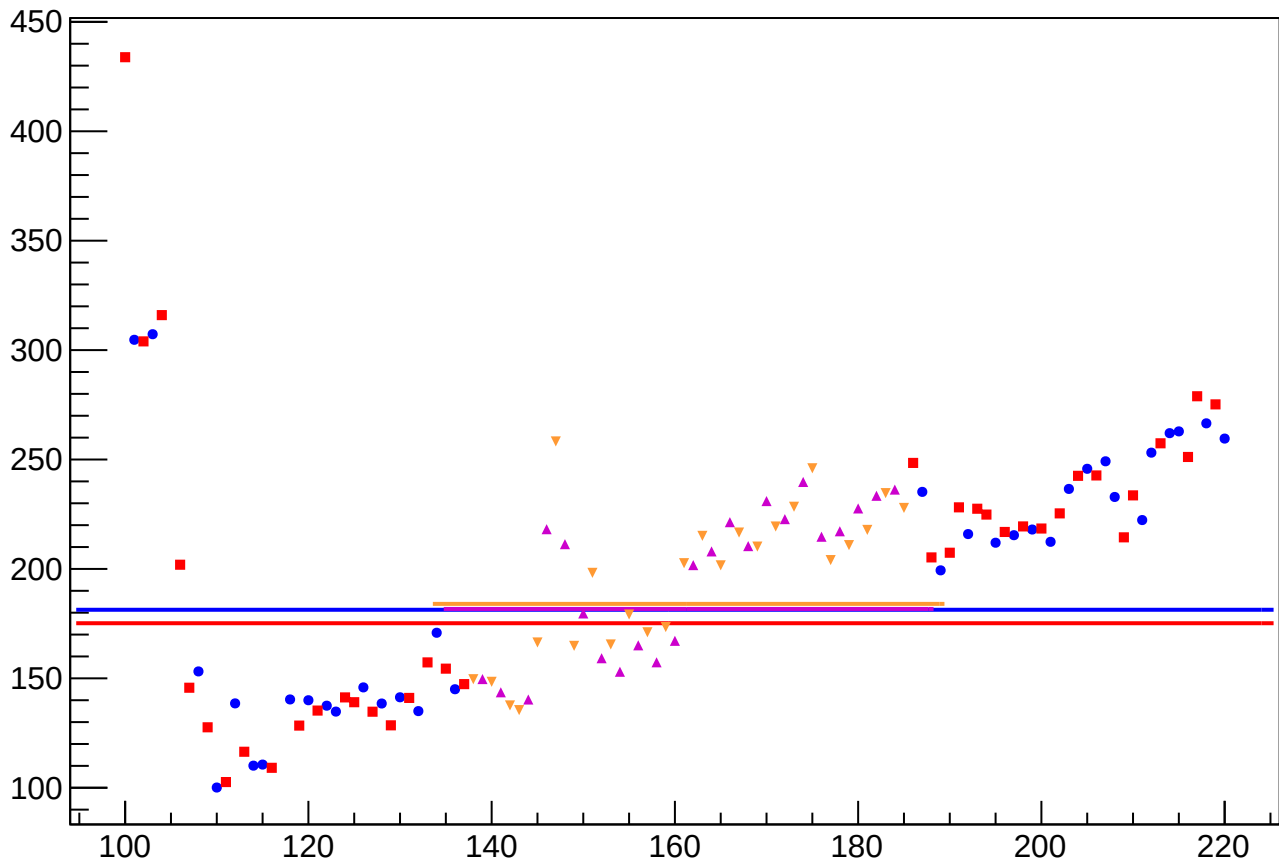
yield_bpm0l01WS_mean vs Slug



Right In: 123083.745 $\pm$ 0.044 χ^2 /NDF: 14673289100.2/33
 Left Out: 125790.126 $\pm$ 0.044 χ^2 /NDF: 6744310079.8/24
 Right Out: 123464.348 $\pm$ 0.042 χ^2 /NDF: 15284952101.3/36
 Left In: 125952.447 $\pm$ 0.045 χ^2 /NDF: 5841800367.5/22

+ sign 124436.143 $\pm$ 0.031 χ^2 /NDF: 23313715055.9
 All: 124536.691 $\pm$ 0.022 χ^2 /NDF: 461051874
 - sign 124634.353 $\pm$ 0.031 χ^2 /NDF: 22770835584.8

yield_bpm0l01WS_rms vs Slug



Right In: 181.336 $\pm$ 0.031 χ^2 /NDF: 3082625.3/33

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF:1126592.5/24

Right Out: 175.186 $\pm$ 0.030 χ^2 /NDF: 3566313.3/36

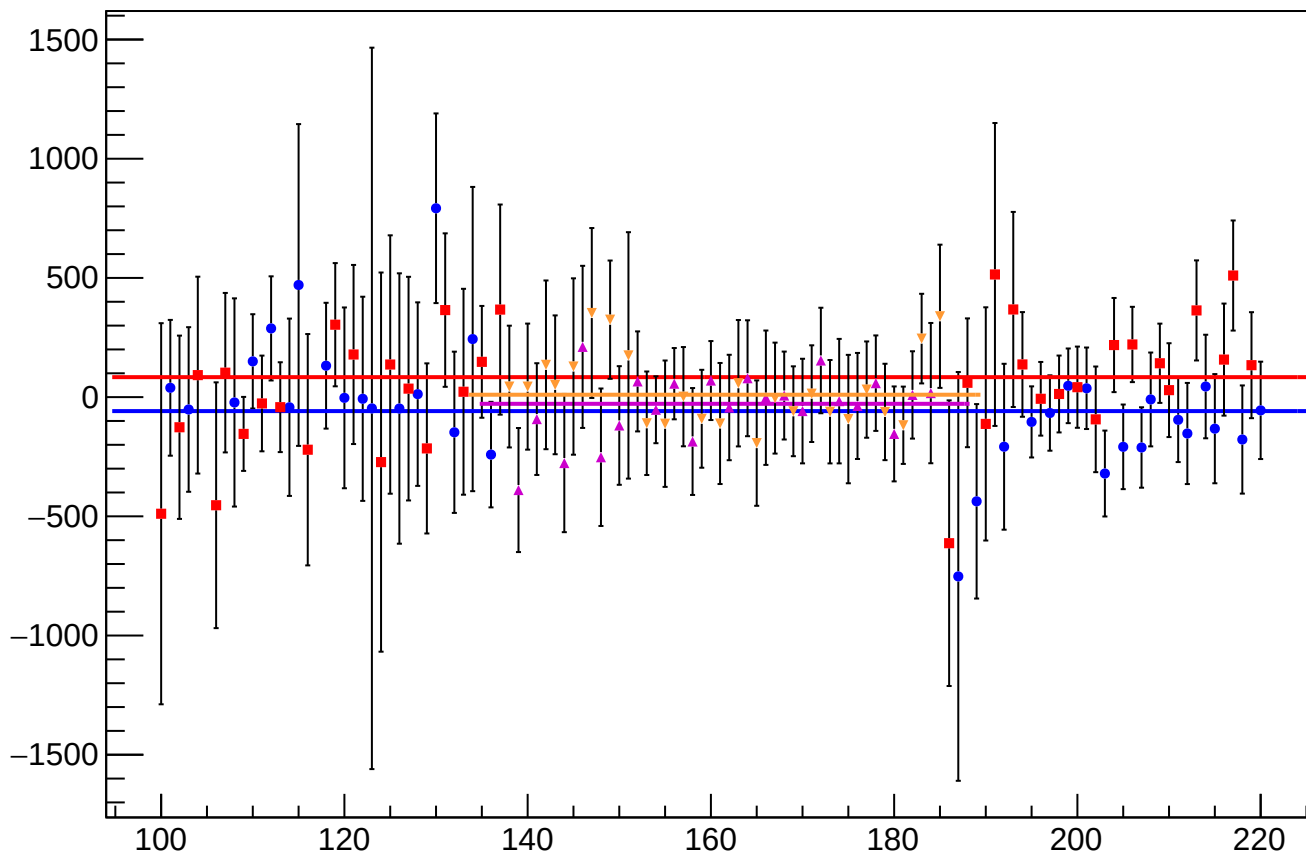
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF:1116142.0/22

+ sign 182.682 $\pm$ 0.022 χ^2 /NDF: 4212974.6/58

All: 180.437 $\pm$ 0.015 χ^2 /NDF: 8938639.0/118

- sign 178.256 $\pm$ 0.022 χ^2 /NDF: 4705087.1/59

asym_bcm_an_ds_mean vs Slug



Right In: -58.602 ± 41.037 χ^2/NDF : 17.6/33

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 83.794 ± 40.960 χ^2/NDF : 18.9/36

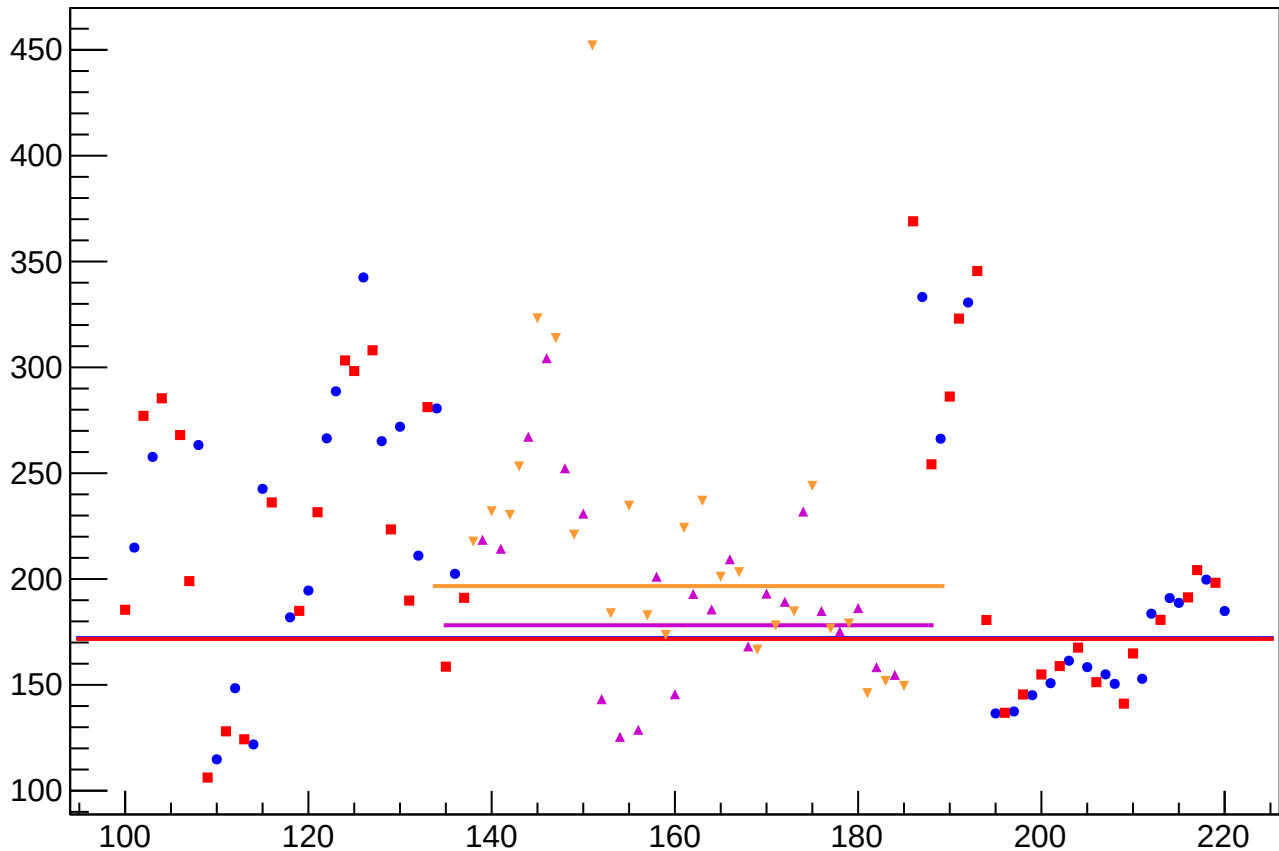
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -29.241 ± 31.050 χ^2/NDF : 27.3/58

All: 2.572 ± 21.634 χ^2/NDF : 58.6/118

- sign 32.587 ± 30.160 χ^2/NDF : 29.3/59

asym_bcm_an_ds_rms vs Slug



Right In: 172.088 ± 0.029 χ^2/NDF : 2218584.5/33

Left Out: 196.682 ± 0.034 χ^2/NDF : 1782715.7/24

Right Out: 171.709 ± 0.029 χ^2/NDF : 2936501.1/36

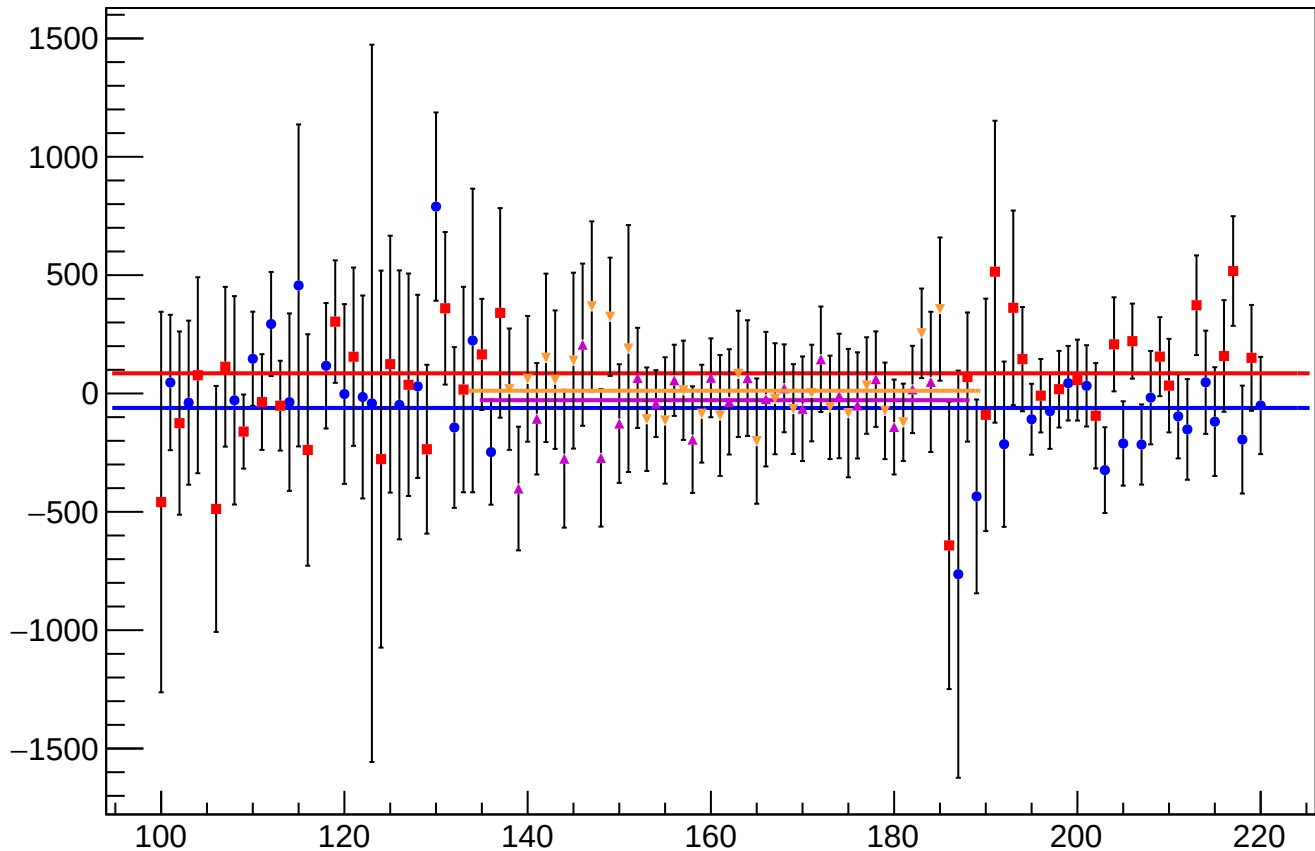
Left In: 178.166 ± 0.032 χ^2/NDF : 1618967.9/22

+ sign 182.602 ± 0.022 χ^2/NDF : 4308387.9/58

All: 178.518 ± 0.015 χ^2/NDF : 8953846.9/118

- sign 174.665 ± 0.021 χ^2/NDF : 4578219.0/59

asym_bcm_an_ds3_mean vs Slug



Right In: -61.135 ± 41.224 χ^2/NDF : 17.6/33

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 85.331 ± 41.158 χ^2/NDF : 19.4/36

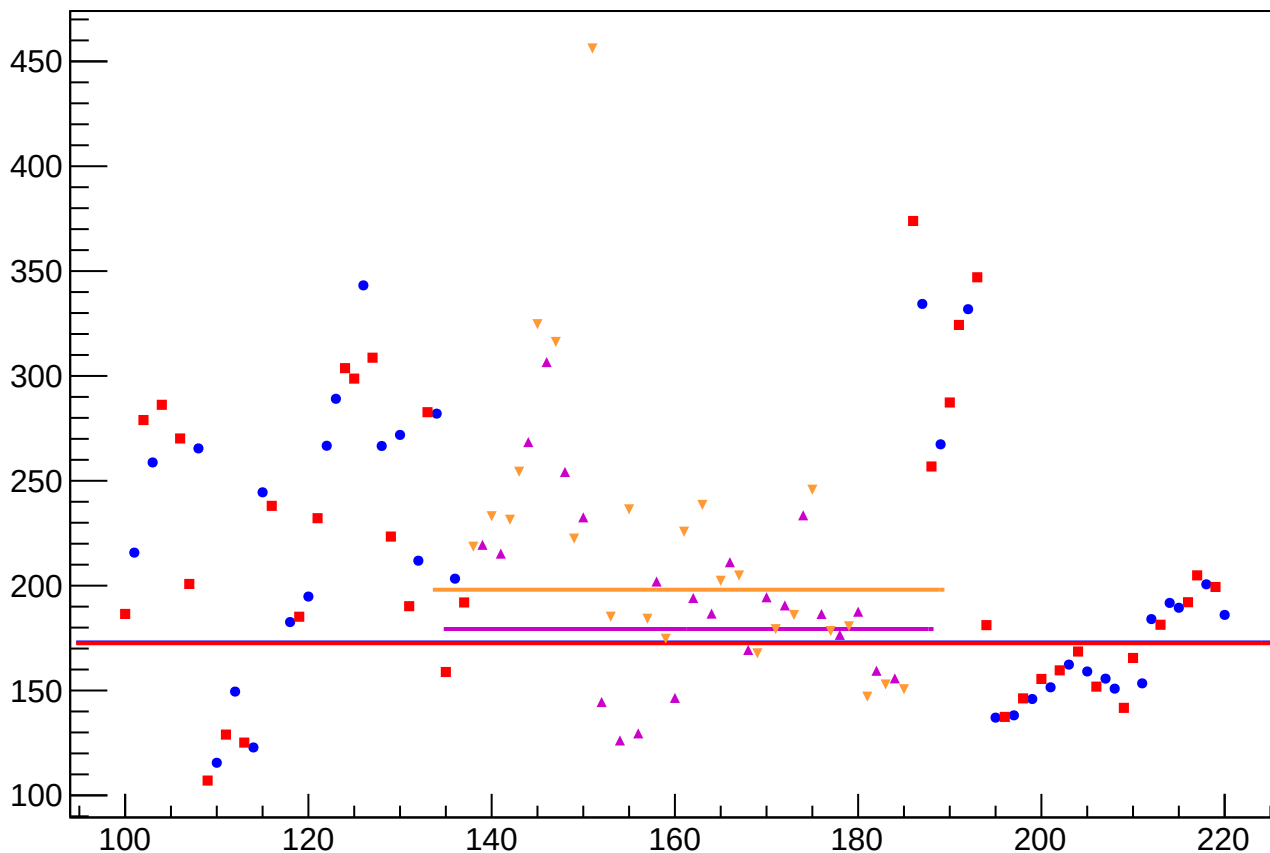
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign -30.177 ± 31.223 χ^2/NDF : 27.8/58

All: 2.542 ± 21.755 χ^2/NDF : 59.9/118

- sign 33.411 ± 30.328 χ^2/NDF : 30.0/59

asym_bcm_an_ds3_rms vs Slug



Right In: 172.895 $\pm$ 0.029 χ^2 /NDF: 2210081.9/33

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 172.547 $\pm$ 0.029 χ^2 /NDF: 2931805.8/36

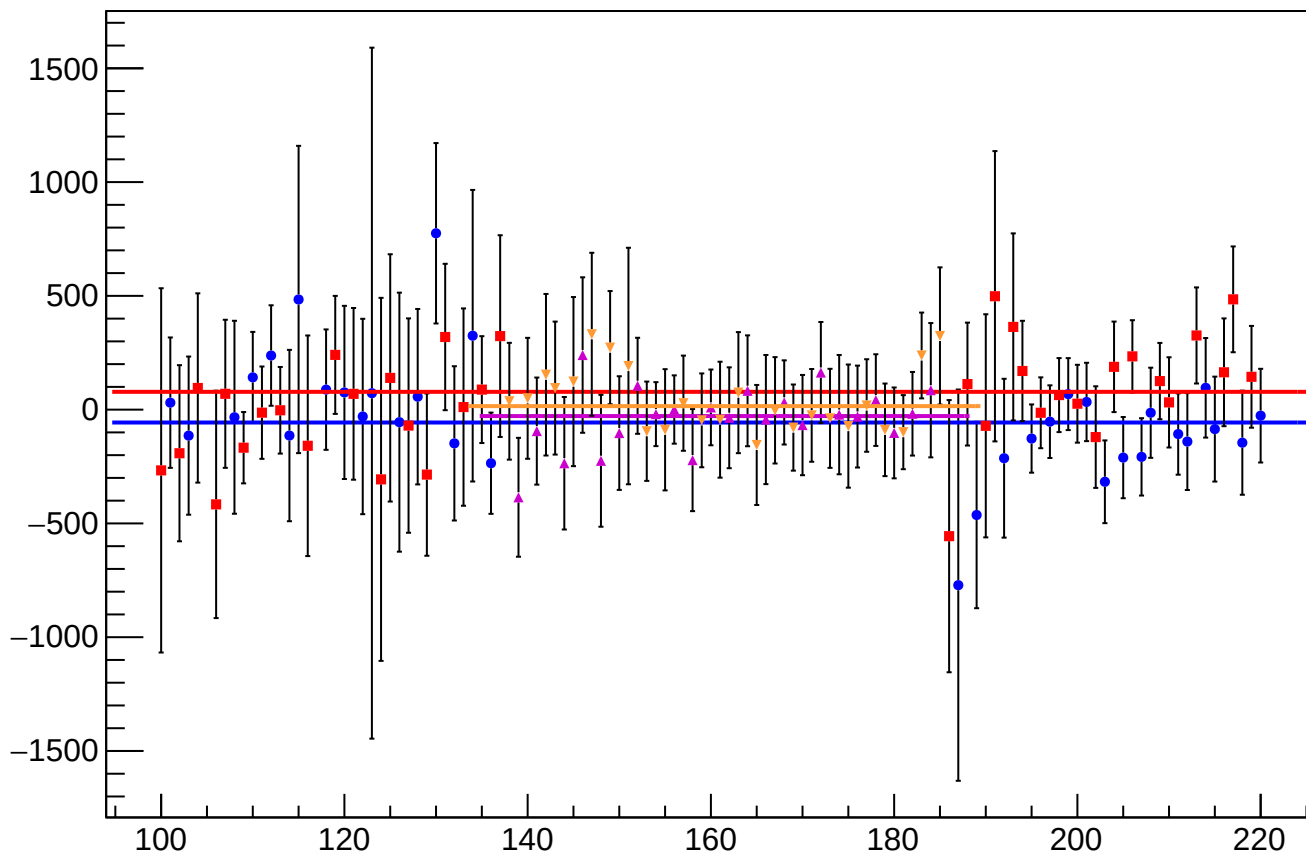
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 183.623 $\pm$ 0.022 χ^2 /NDF: 4306323.8/58

All: 179.518 $\pm$ 0.015 χ^2 /NDF: 8948388.7/118

- sign 175.644 $\pm$ 0.021 χ^2 /NDF: 4574854.5/59

asym_bcm_an_us_mean vs Slug



Right In: -56.578 ± 41.309 $\chi^2/\text{NDF}: 17.1/33$

Left Out: 15.437 ± 47.695 $\chi^2/\text{NDF}: 7.0/24$

Right Out: 78.251 ± 41.194 $\chi^2/\text{NDF}: 17.0/36$

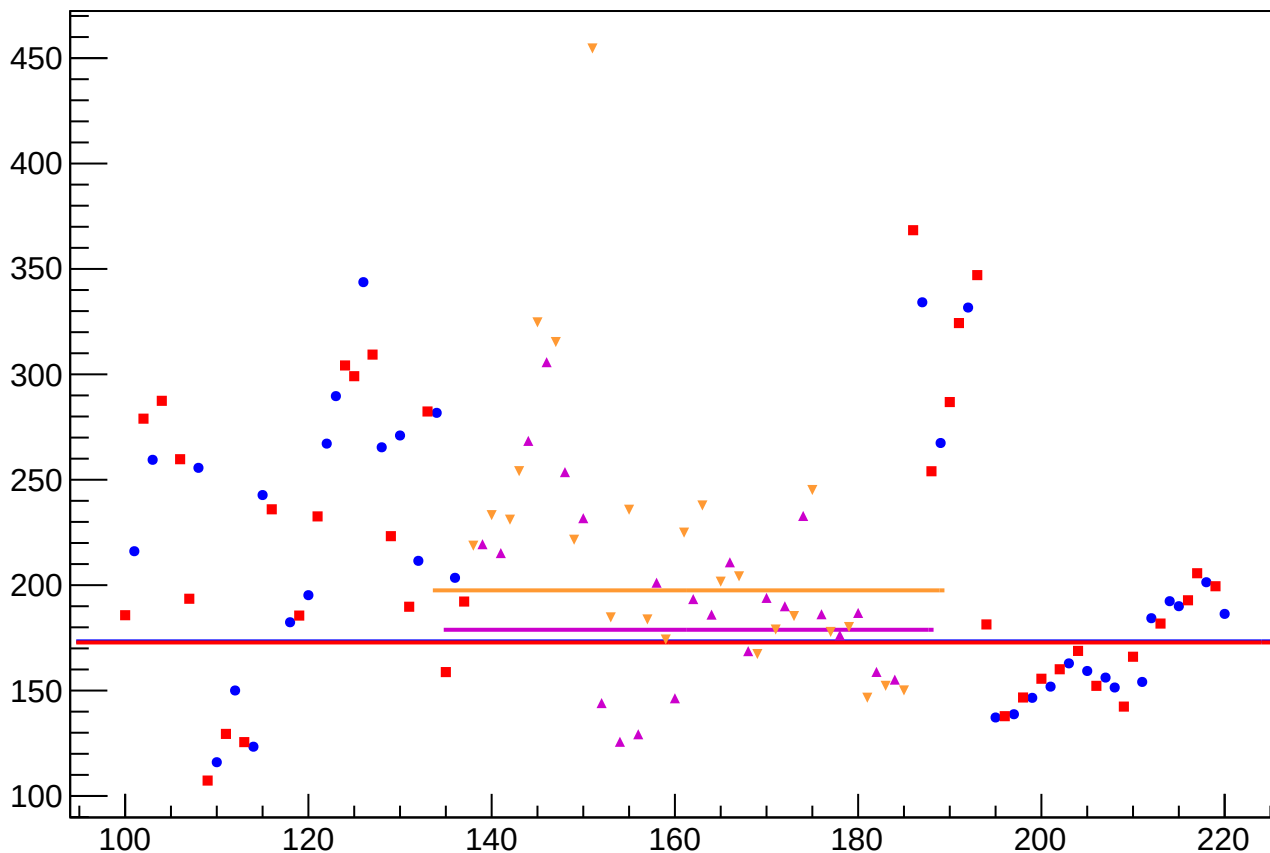
Left In: -28.277 ± 44.743 $\chi^2/\text{NDF}: 6.4/22$

+ sign -25.710 ± 31.225 $\chi^2/\text{NDF}: 25.4/58$

All: 2.658 ± 21.747 $\chi^2/\text{NDF}: 53.4/118$

- sign 29.379 ± 30.306 $\chi^2/\text{NDF}: 26.4/59$

asym_bcm_an_us_rms vs Slug



Right In: 173.330 $\pm$ 0.029 χ^2 /NDF: 2177949.7/33

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 172.810 $\pm$ 0.029 χ^2 /NDF: 2885404.0/36

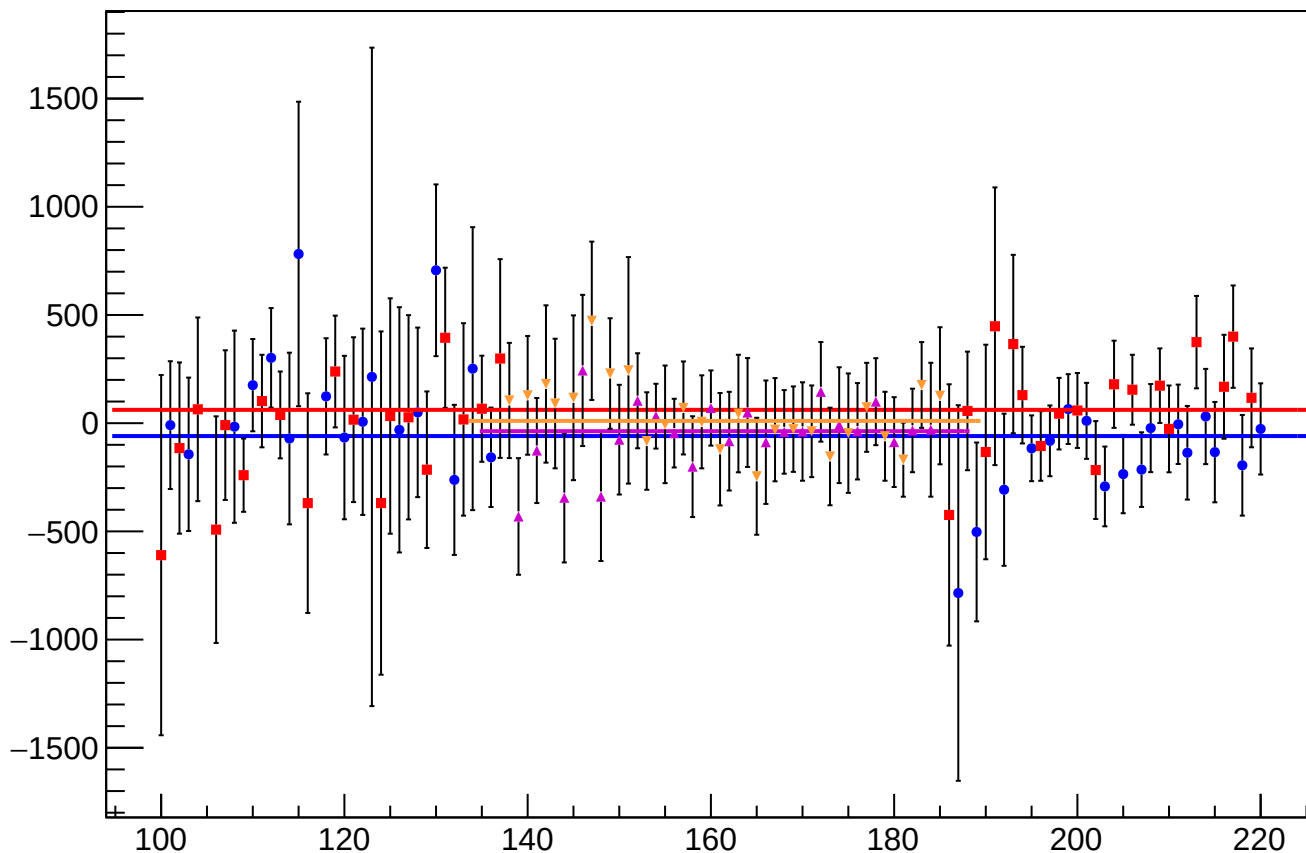
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 183.702 $\pm$ 0.022 χ^2 /NDF: 4256300.9/58

All: 179.517 $\pm$ 0.015 χ^2 /NDF: 8853377.7/118

- sign 175.574 $\pm$ 0.021 χ^2 /NDF: 4527304.4/59

asym_bcm_dg_us_mean vs Slug



Right In: -59.566 ± 42.186 χ^2/NDF : 17.8/33

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 61.587 ± 42.246 χ^2/NDF : 18.8/36

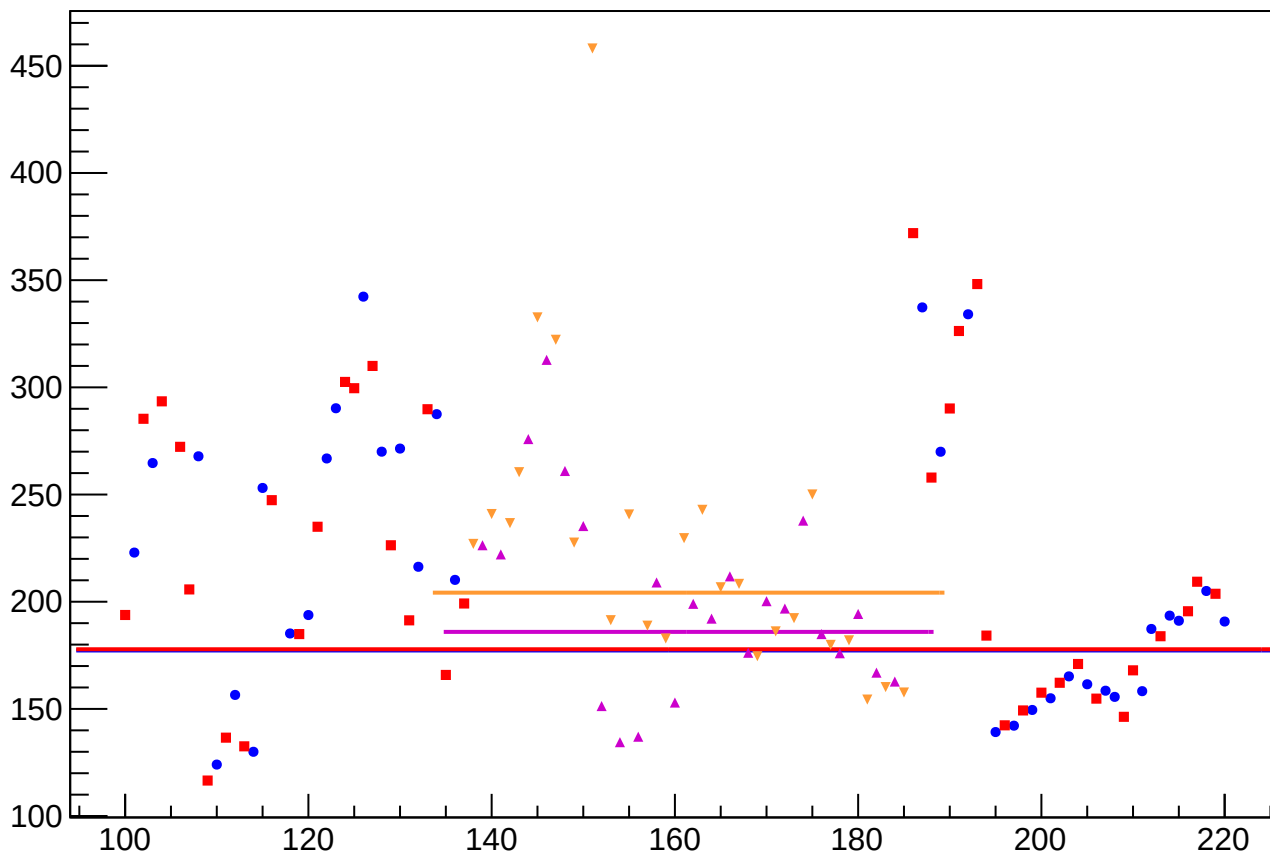
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -29.862 ± 32.024 χ^2/NDF : 26.4/58

All: -5.911 ± 22.357 χ^2/NDF : 56.7/118

- sign 16.859 ± 31.225 χ^2/NDF : 29.2/59

asym_bcm_dg_us_rms vs Slug



Right In: 177.259 ± 0.030 χ^2/NDF : 2092135.3/33

Left Out: 204.236 ± 0.035 χ^2/NDF : 1675666.0/24

Right Out: 177.826 ± 0.030 χ^2/NDF : 2691450.4/36

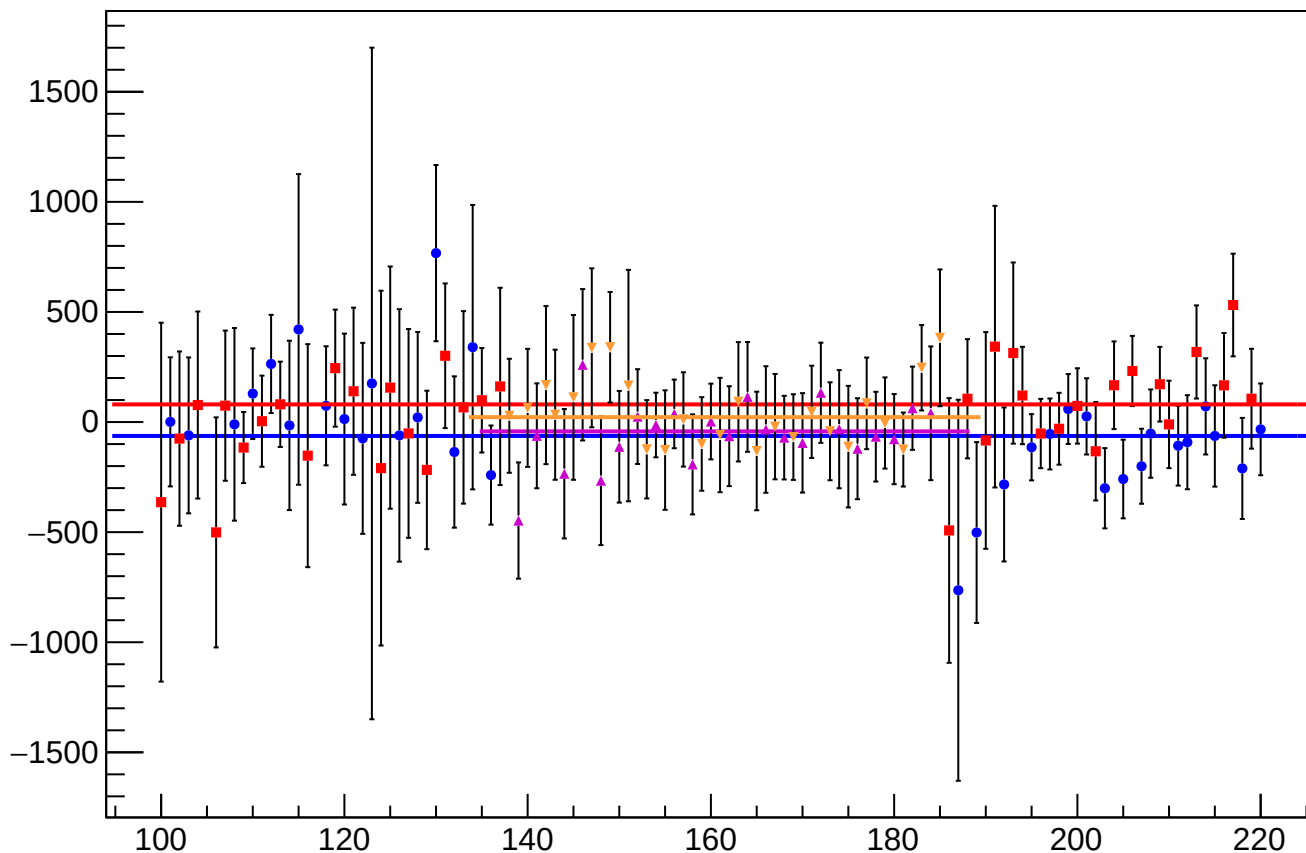
Left In: 185.931 ± 0.033 χ^2/NDF : 1460065.0/22

+ sign 188.690 ± 0.023 χ^2/NDF : 4114354.6/58

All: 185.006 ± 0.016 χ^2/NDF : 8350909.5/118

- sign 181.503 ± 0.022 χ^2/NDF : 4184920.7/59

asym_bcm_dg_ds_mean vs Slug



Right In: -63.124 ± 41.667 χ^2/NDF : 16.9/33

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 80.114 ± 41.616 χ^2/NDF : 15.7/36

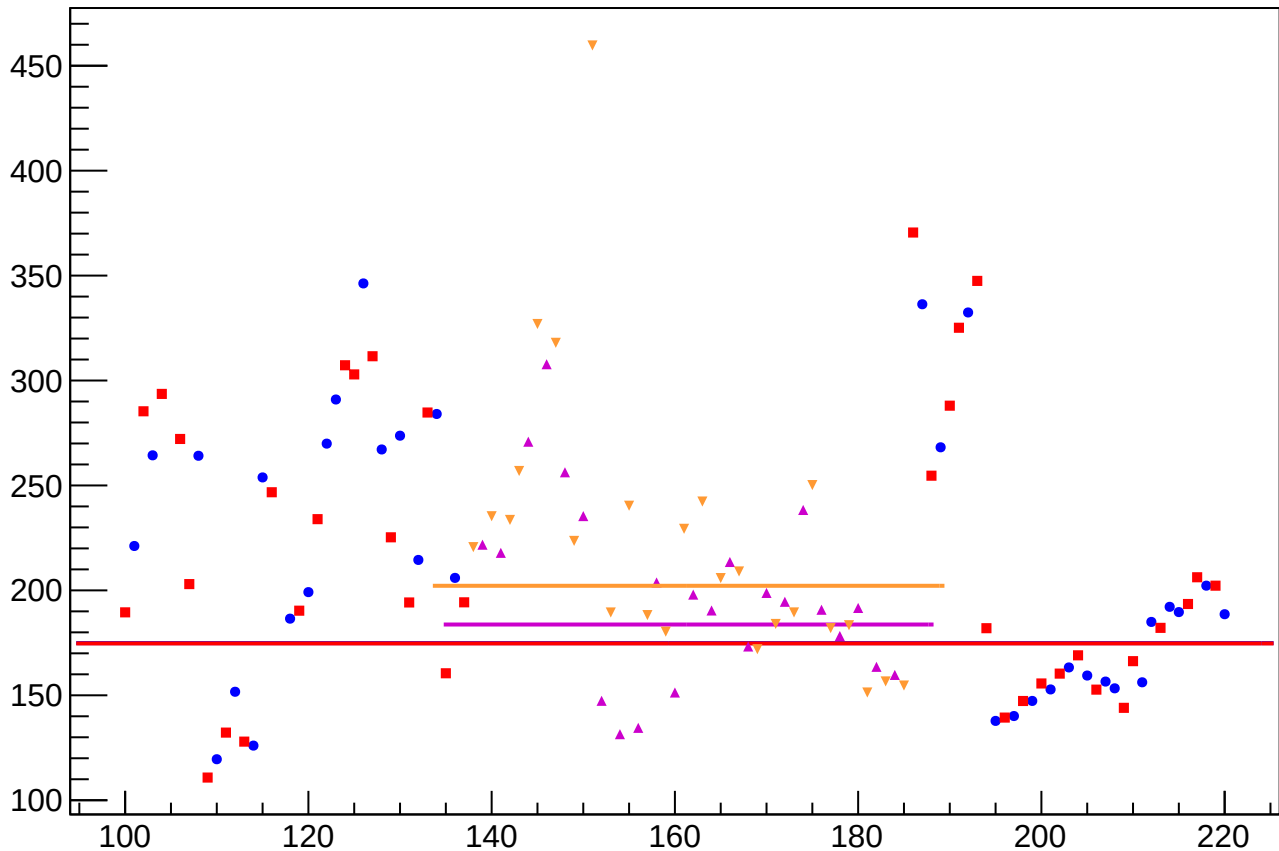
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -27.100 ± 31.671 χ^2/NDF : 27.1/58

All: -0.460 ± 22.087 χ^2/NDF : 54.8/118

- sign 24.767 ± 30.819 χ^2/NDF : 26.4/59

asym_bcm_dg_ds_rms vs Slug



Right In: 174.864+/-0.029 χ^2/NDF : 2178028.0/33

Left Out: 202.186+/-0.034 χ^2/NDF : 1696571.9/24

Right Out: 174.715+/-0.029 χ^2/NDF : 2859650.0/36

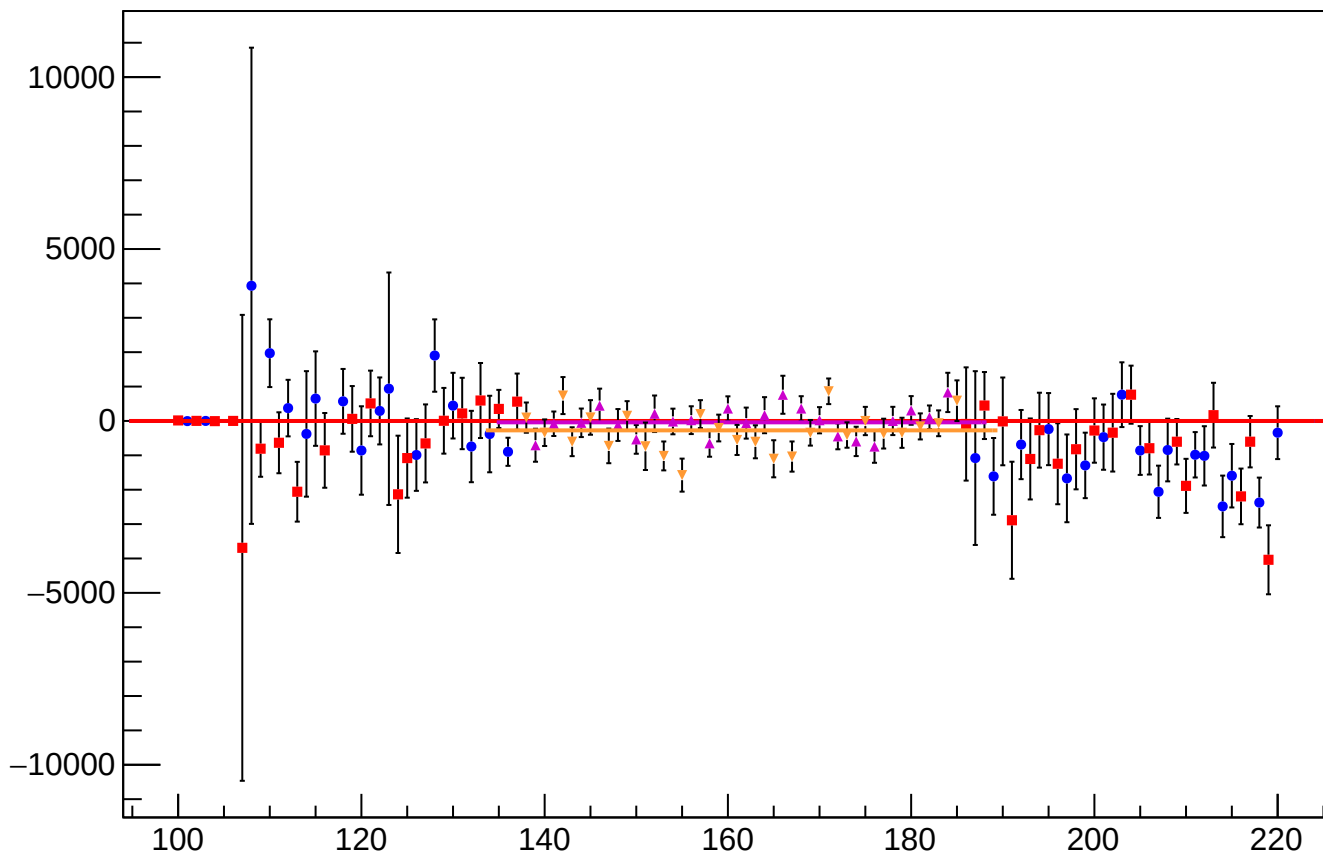
Left In: 183.732+/-0.032 χ^2/NDF : 1495930.4/22

+ sign 186.401+/-0.022 χ^2/NDF : 4237716.3/58

All: 182.490+/-0.016 χ^2/NDF : 8695081.0/118

- sign 178.787+/-0.022 χ^2/NDF : 4397987.7/59

asym_cav4bQ_mean vs Slug



Right In: -1.652 ± 2.251 χ^2/NDF : 58.9/33

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.805 ± 2.111 χ^2/NDF : 56.8/36

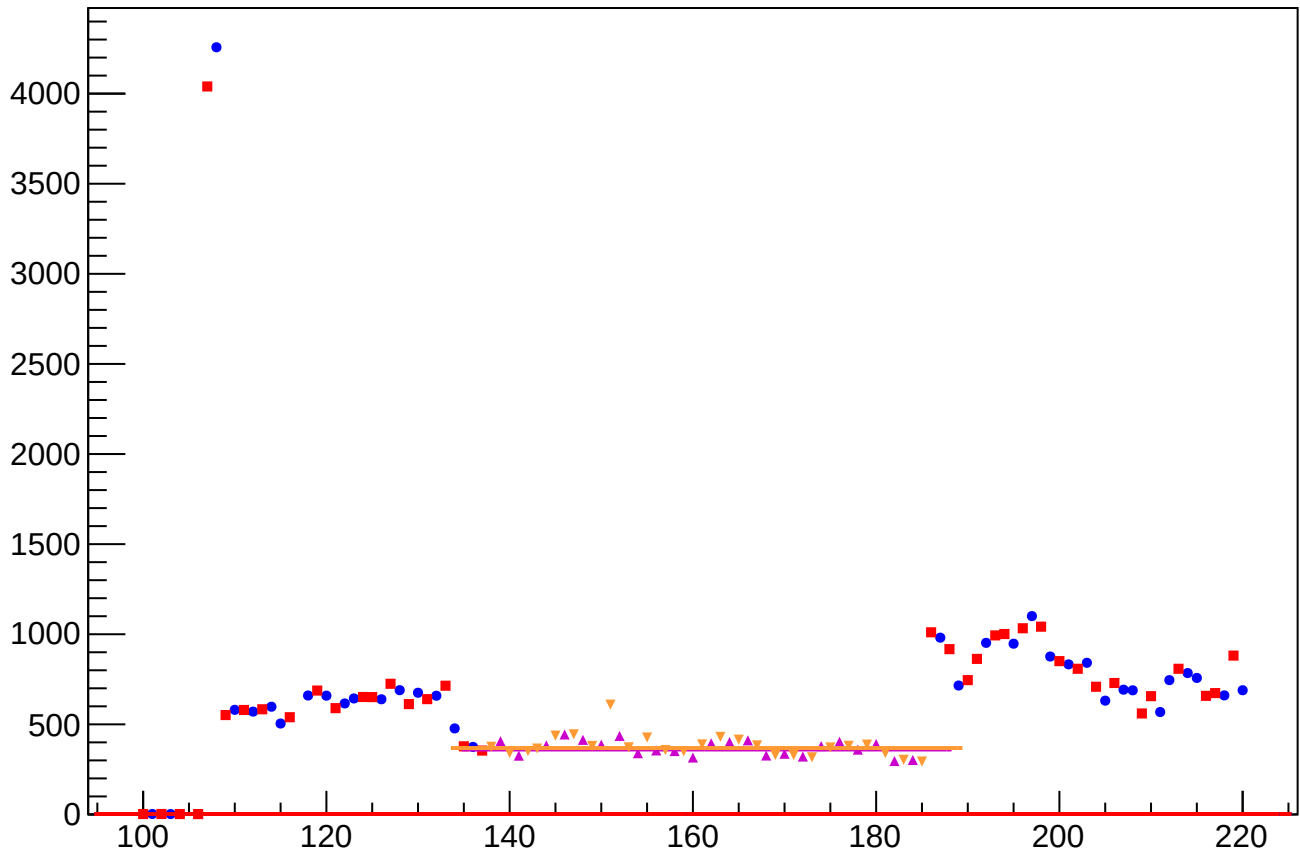
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.835 ± 2.251 χ^2/NDF : 107.1/58

All: -1.299 ± 1.539 χ^2/NDF : 184.3/118

- sign -0.828 ± 2.110 χ^2/NDF : 77.1/59

asym_cav4bQ_rms vs Slug



Right In: 2.536 $\pm$ 0.002 χ^2 /NDF: 34898055.3/33

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.505 $\pm$ 0.001 χ^2 /NDF: 35613171.2/36

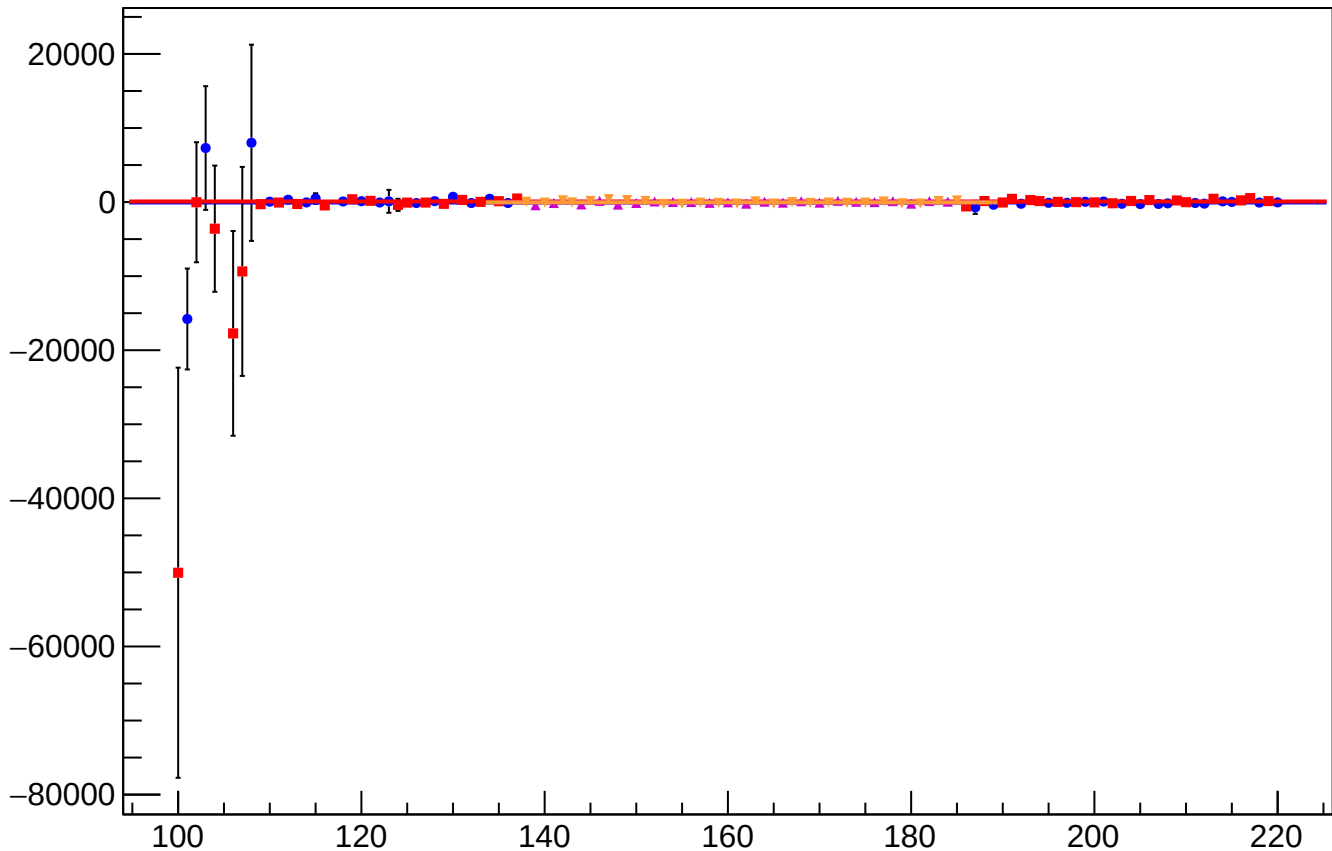
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.782 $\pm$ 0.002 χ^2 /NDF: 70992758.3/58

All: 2.745 $\pm$ 0.001 χ^2 /NDF: 140524471.5/118

- sign 2.713 $\pm$ 0.001 χ^2 /NDF: 69530717.1/59

asym_cav4cQ_mean vs Slug



Right In: -57.332 $\pm$ 45.254 χ^2 /NDF: 21.5/33

Left Out: -39.036 $\pm$ 49.576 χ^2 /NDF: 9.1/24

Right Out: 81.697 $\pm$ 45.836 χ^2 /NDF: 28.4/36

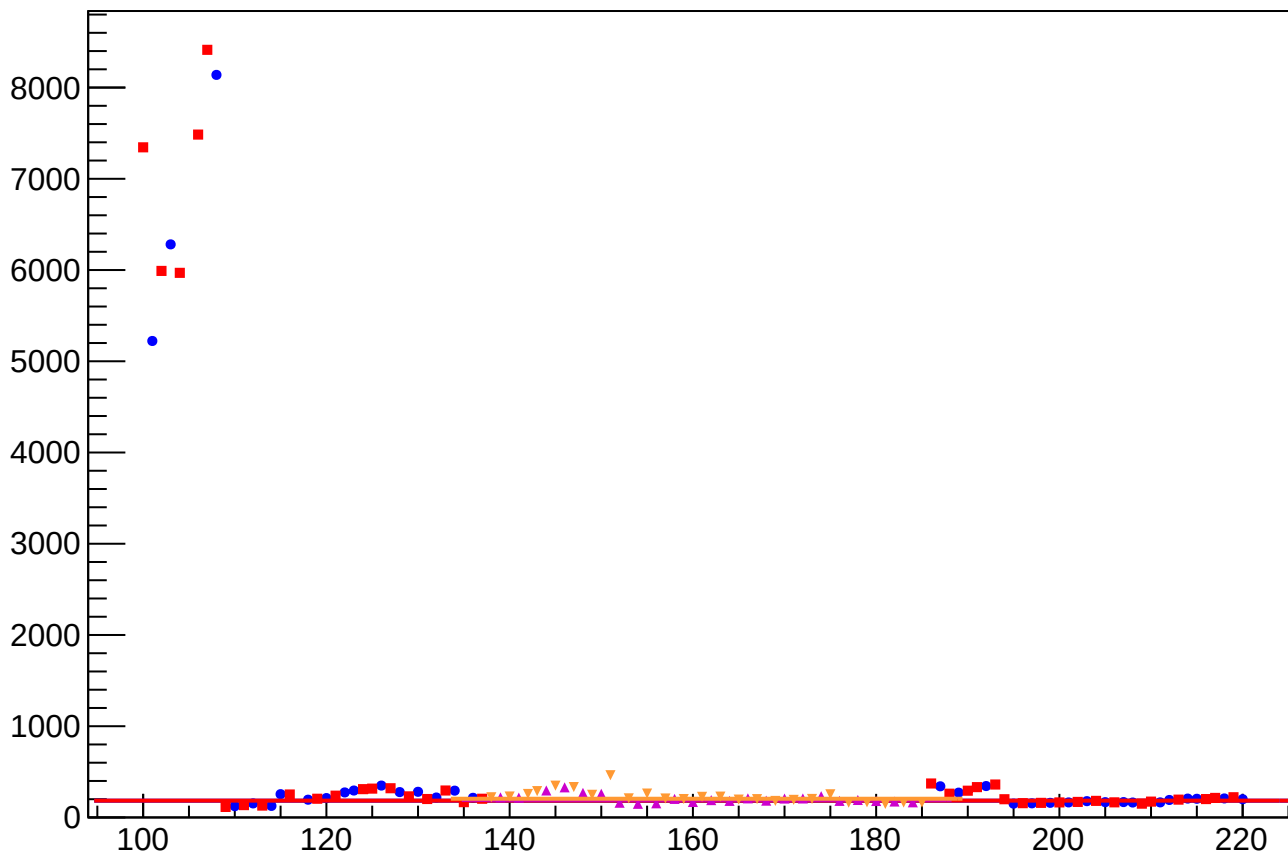
Left In: -28.062 $\pm$ 48.032 χ^2 /NDF: 9.6/22

+ sign -49.016 $\pm$ 33.423 χ^2 /NDF: 30.7/58

All: -9.507 $\pm$ 23.540 χ^2 /NDF: 74.2/118

- sign 29.384 $\pm$ 33.160 χ^2 /NDF: 40.7/59

asym_cav4cQ_rms vs Slug



Right In: 183.471+/-0.032 χ^2/NDF : 4614737.0/33

Left Out: 205.114+/-0.035 χ^2/NDF :1957484.4/24

Right Out: 184.336+/-0.032 χ^2/NDF : 5519420.7/36

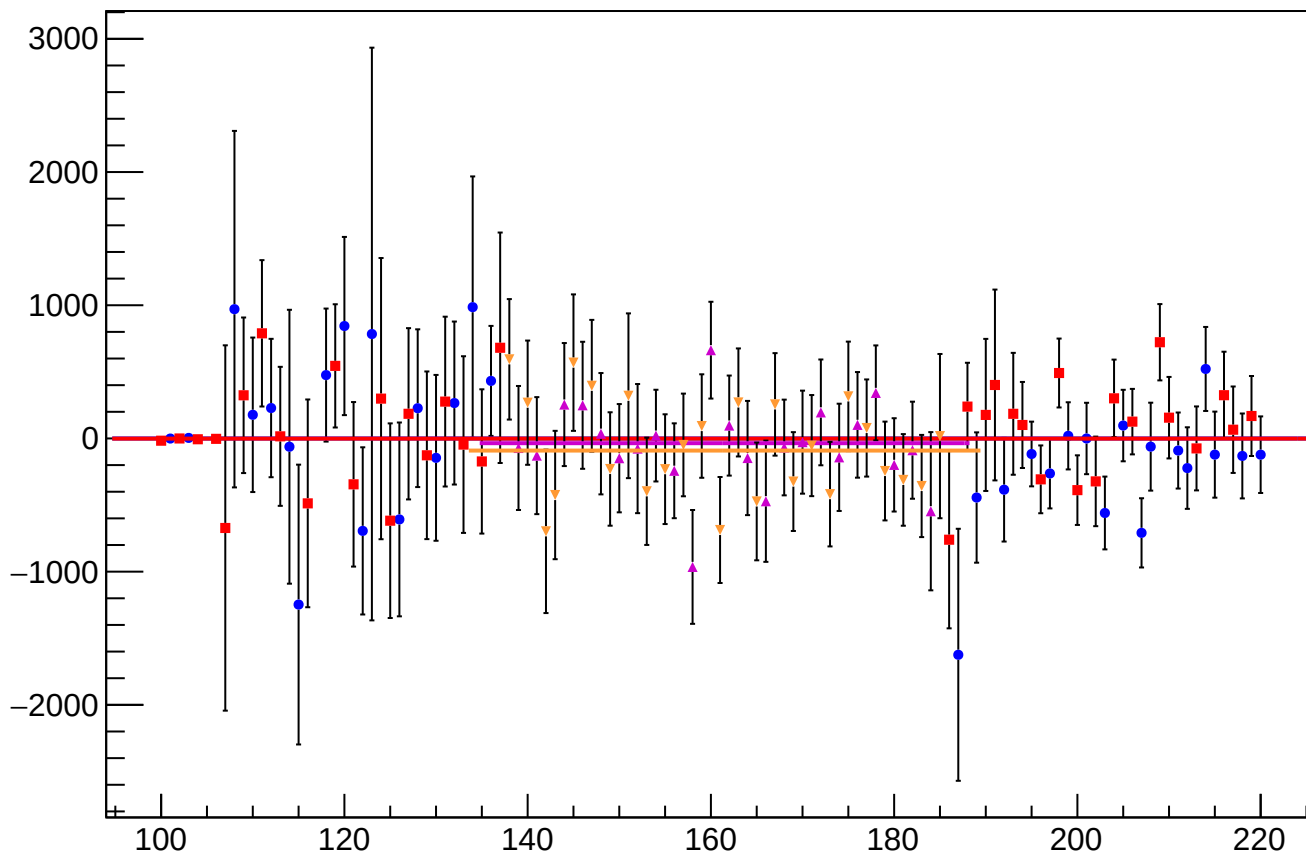
Left In: 193.616+/-0.034 χ^2/NDF :1179471.1/22

+ sign 193.308+/-0.024 χ^2/NDF : 6780133.5/58

All: 191.016+/-0.017 χ^2/NDF : 13536765.6/13

- sign 188.759+/-0.023 χ^2/NDF : 6737962.7/59

asym_cav4dQ_mean vs Slug



Right In: -0.234 ± 1.736 χ^2/NDF : 31.7/33

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.273 ± 1.622 χ^2/NDF : 29.4/36

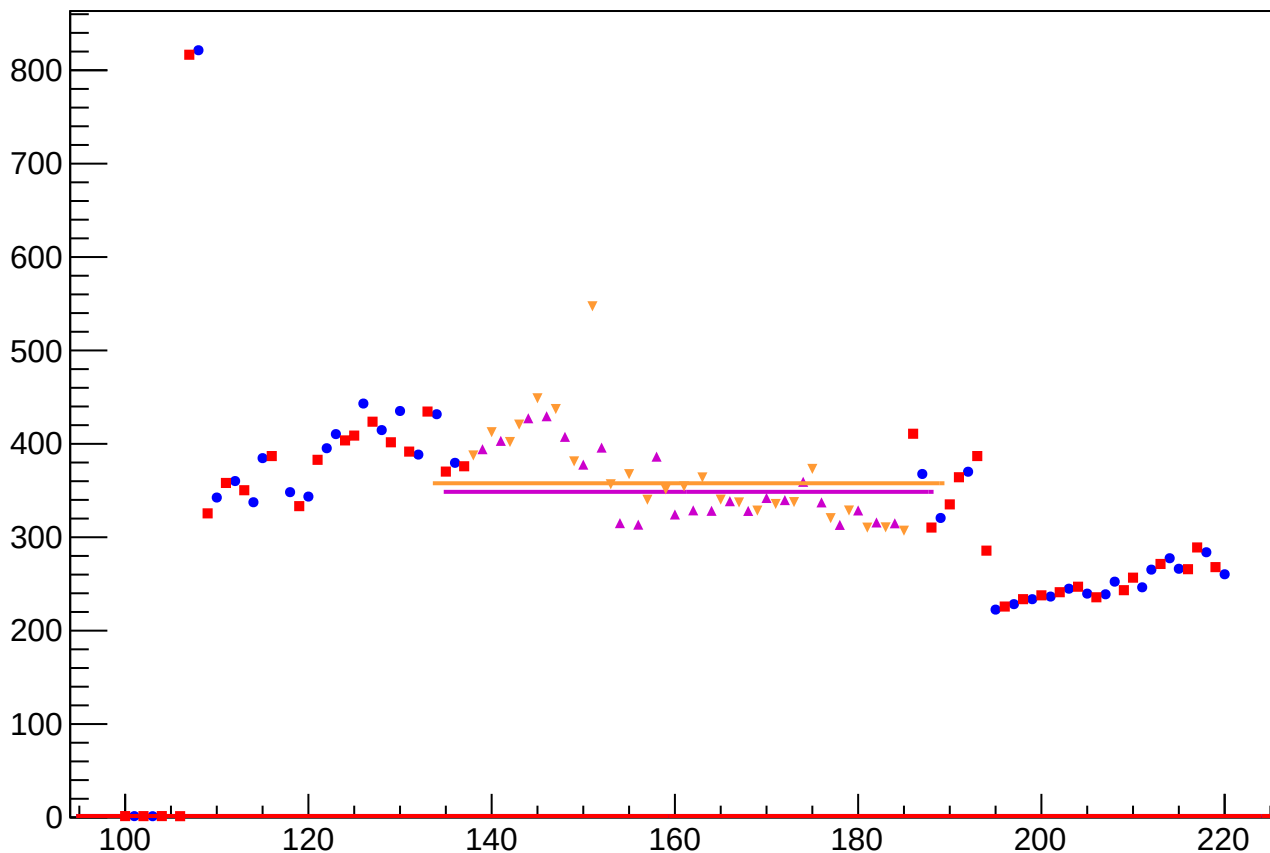
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.273 ± 1.736 χ^2/NDF : 49.3/58

All: -0.814 ± 1.185 χ^2/NDF : 92.5/118

- sign -1.286 ± 1.622 χ^2/NDF : 43.0/59

asym_cav4dQ_rms vs Slug



Right In: 1.595 ± 0.001 χ^2/NDF : 35113345.7/33

Left Out: 357.804 ± 0.059 χ^2/NDF : 547036.5/24

Right Out: 1.572 ± 0.001 χ^2/NDF : 35314859.7/36

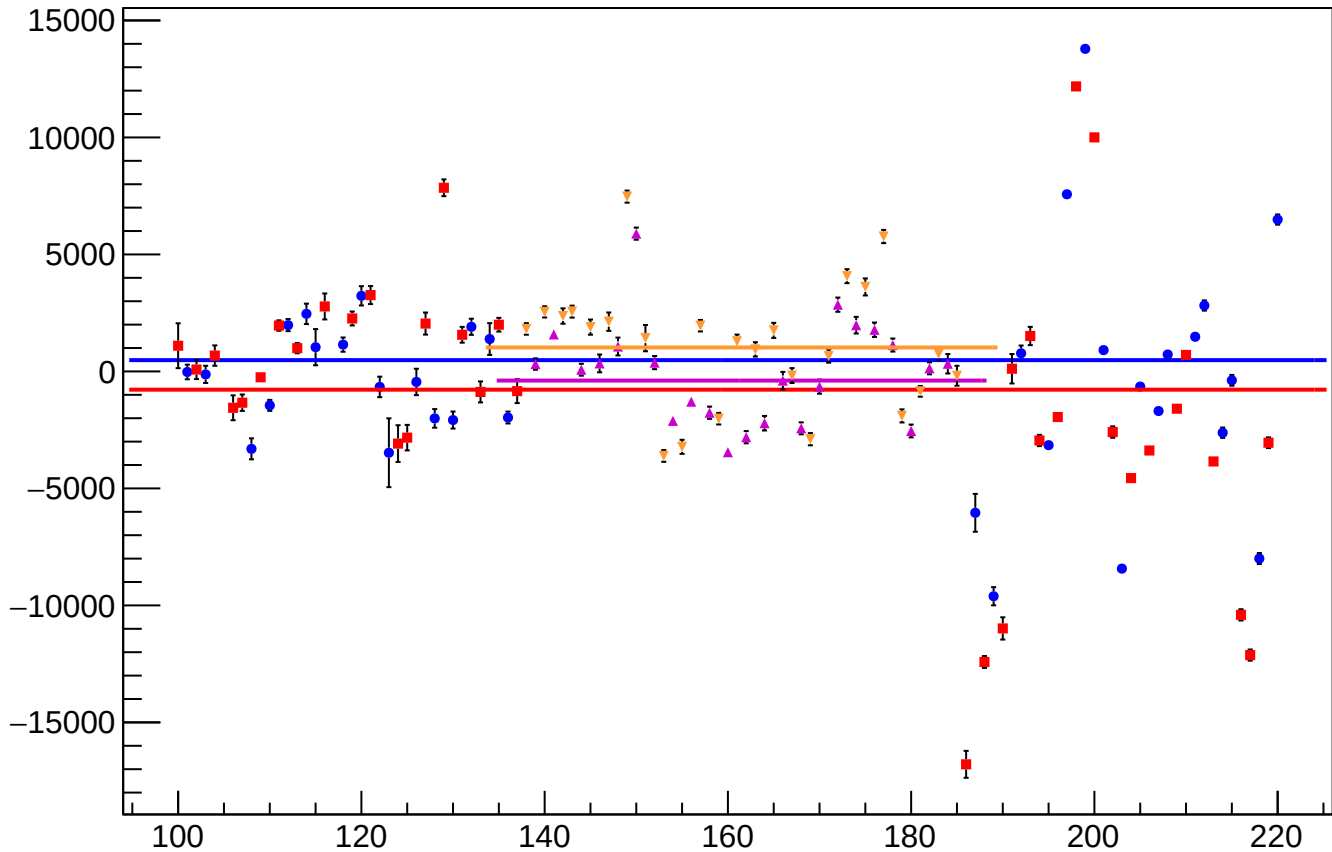
Left In: 348.611 ± 0.060 χ^2/NDF : 362511.2/22

+ sign 1.747 ± 0.001 χ^2/NDF : 71542948.0/58

All: 1.722 ± 0.001 χ^2/NDF : 141037201.4/118

- sign 1.700 ± 0.001 χ^2/NDF : 69493462.7/59

asym_bcm0l02_mean vs Slug



Right In: 482.433 $\pm$ 44.792 χ^2 /NDF: 13410.8/33

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF:2309.4/24

Right Out: -779.863 $\pm$ 44.565 χ^2 /NDF: 18002.1/36

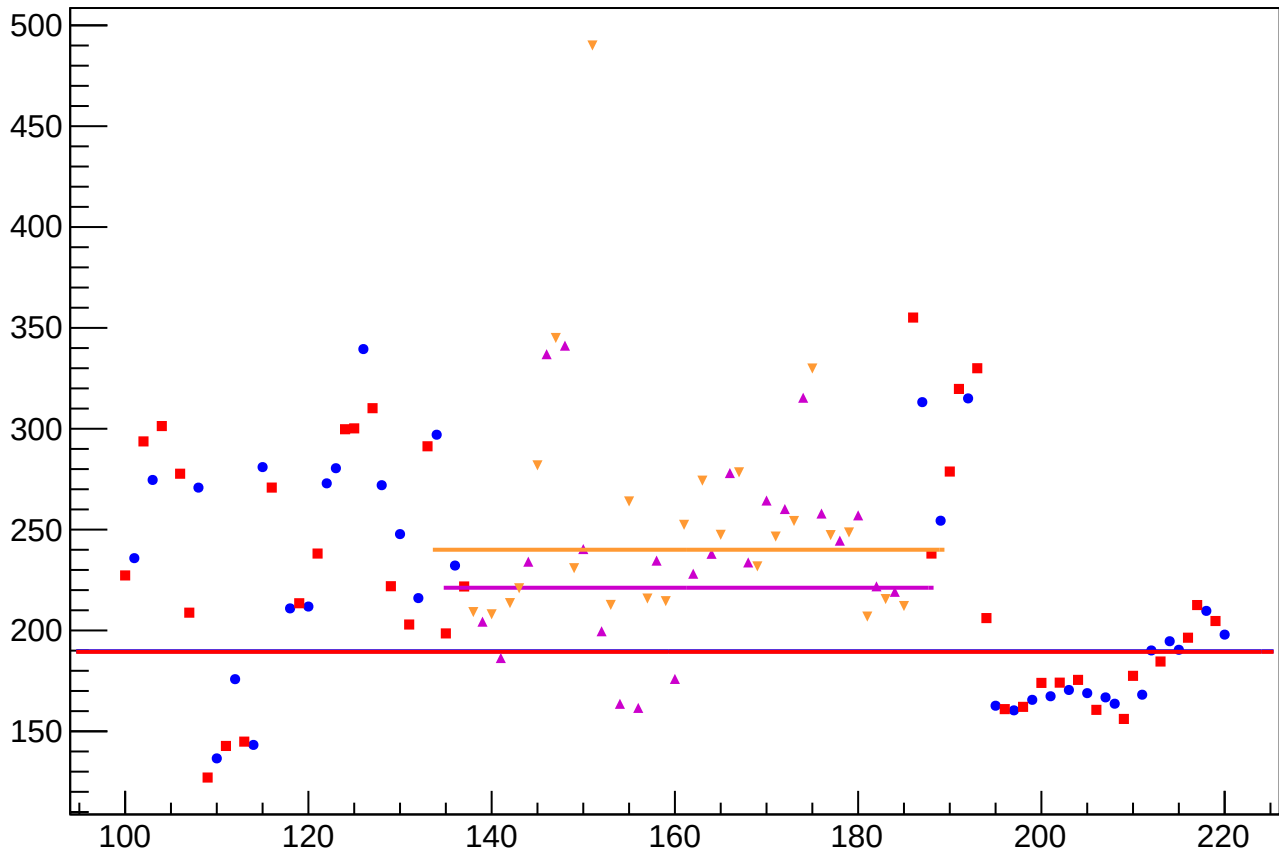
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF:1584.9/22

+ sign 687.464 $\pm$ 35.298 χ^2 /NDF: 15775.4/58

All: 18.172 $\pm$ 24.712 χ^2 /NDF: 36097.9/118

- sign -625.208 $\pm$ 34.608 χ^2 /NDF: 19617.3/59

asym_bcm0l02_rms vs Slug



Right In: 189.694+/-0.032 χ^2/NDF : 1562870.9/33

Left Out: 240.019+/-0.041 χ^2/NDF :1002427.9/24

Right Out: 189.394+/-0.032 χ^2/NDF : 2154206.9/36

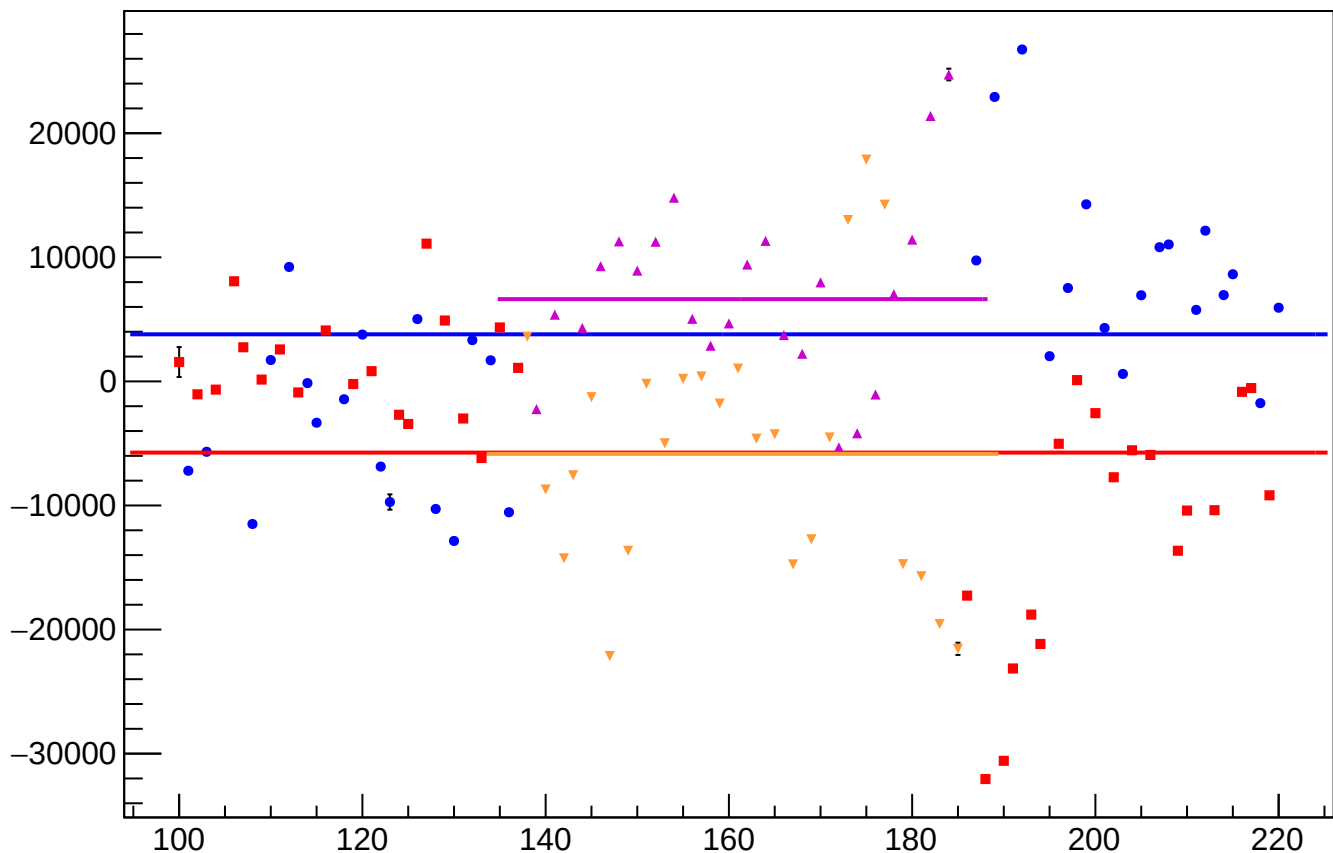
Left In: 221.173+/-0.039 χ^2/NDF :1342517.8/22

+ sign 208.766+/-0.025 χ^2/NDF : 3522079.7/58

All: 205.321+/-0.017 χ^2/NDF : 7459856.6/118

- sign 202.008+/-0.024 χ^2/NDF : 3900394.3/59

asym_bpm2i01WS_mean vs Slug



Right In: 3793.245+/-32.916 χ^2/NDF : 85184.0/33

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -5736.831+/-31.744 χ^2/NDF : 105940.0/36

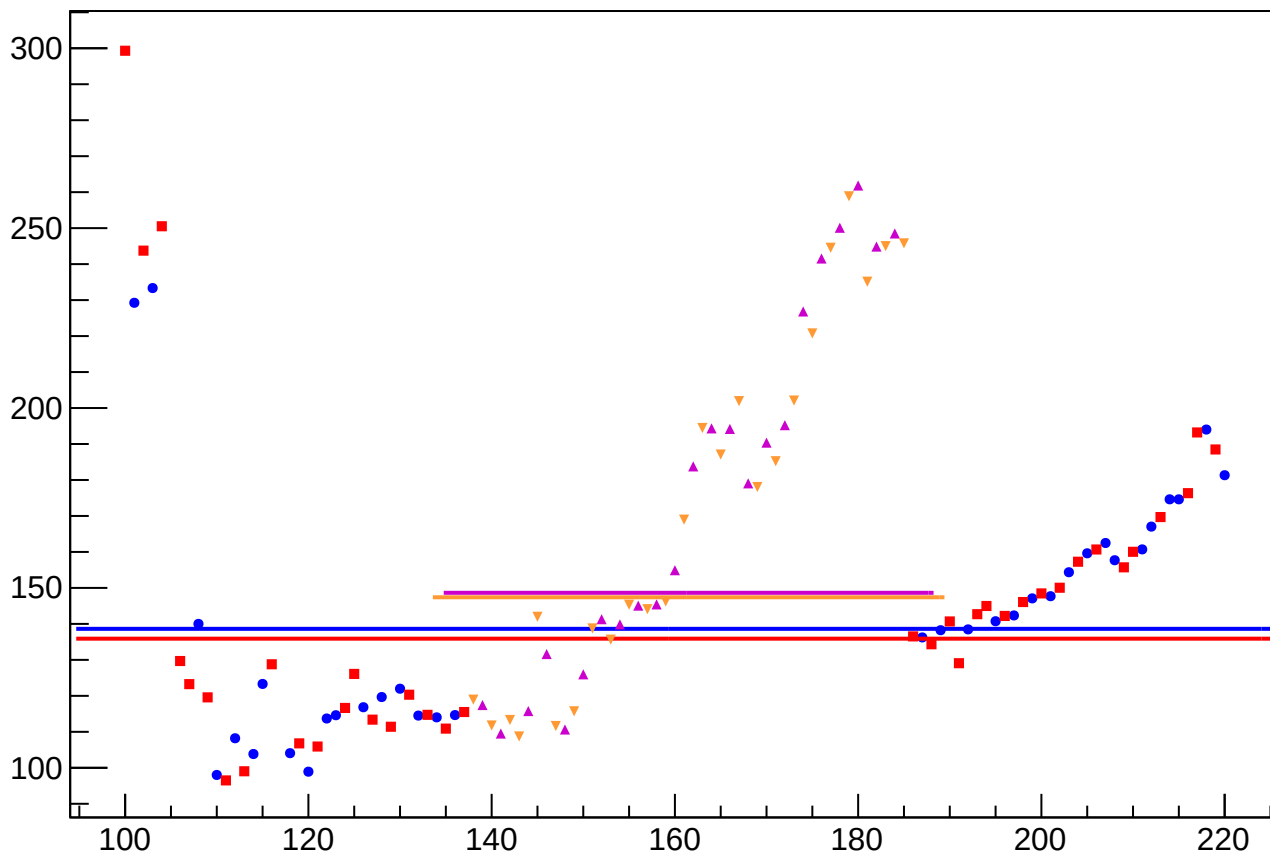
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -614.095+/-24.245 χ^2/NDF : 187775.3/58

All: -566.902+/-17.105 χ^2/NDF : 379473.2/11

- sign -520.131+/-24.136 χ^2/NDF : 191690.4/59

asym_bpm2i01WS_rms vs Slug



Right In: 138.627+/-0.023 χ^2/NDF : 1511058.5/33

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 135.892+/-0.022 χ^2/NDF : 1584370.2/36

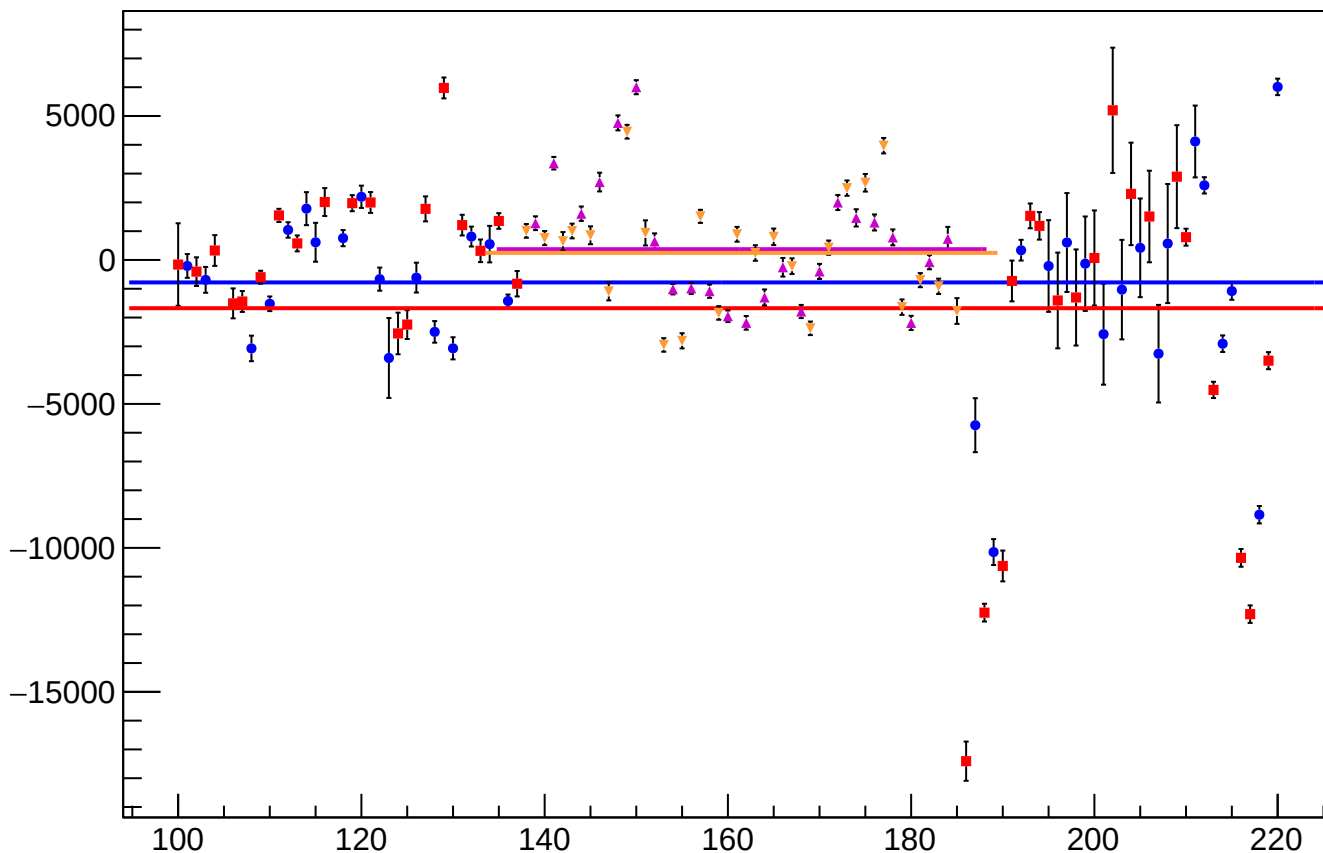
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 142.639+/-0.017 χ^2/NDF : 4093086.9/58

All: 141.952+/-0.012 χ^2/NDF : 8232298.4/118

- sign 141.271+/-0.017 χ^2/NDF : 4136016.9/59

asym_bpm0i07WS_mean vs Slug



Right In: -779.934 ± 70.593 χ^2/NDF : 2252.8/33

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -1675.248 ± 65.274 χ^2/NDF : 5691.7/36

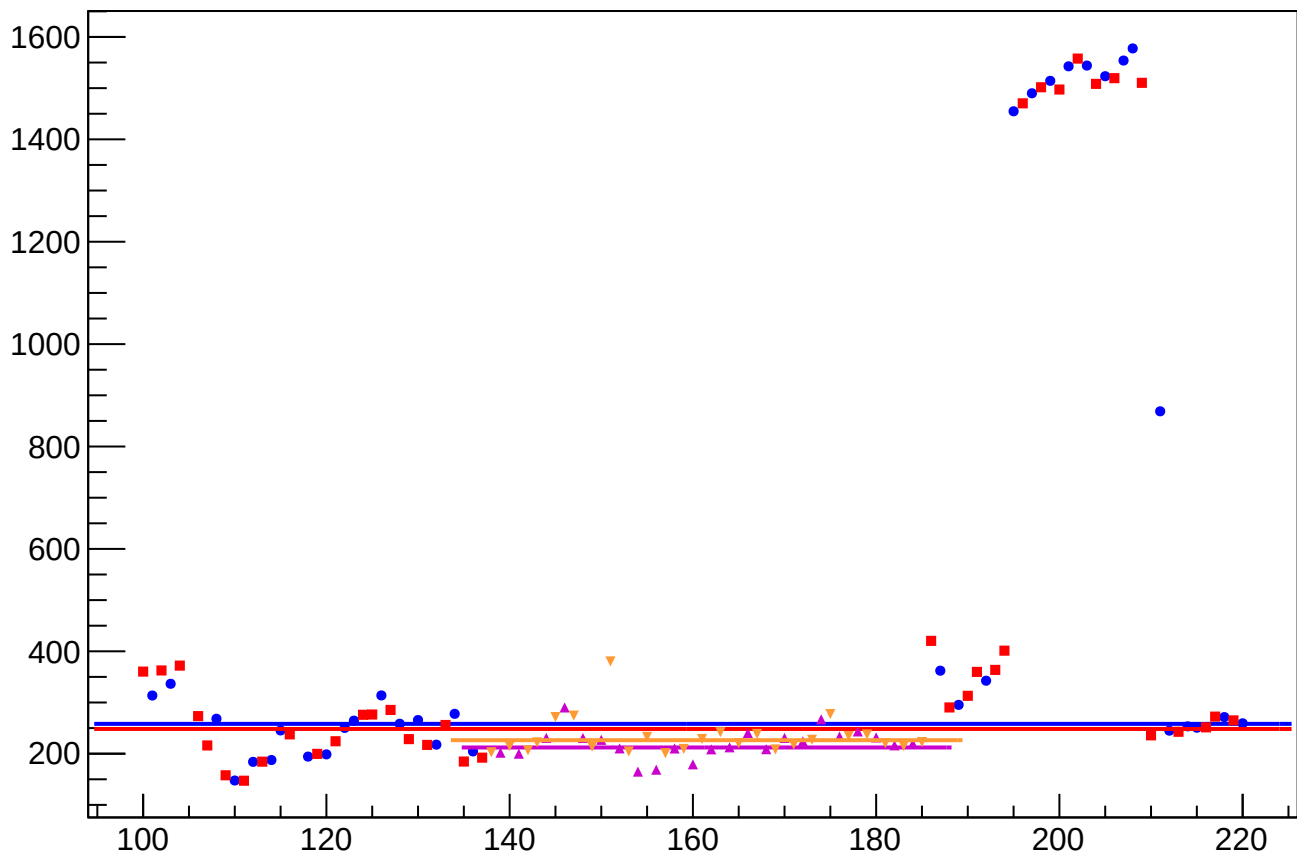
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -128.134 ± 42.634 χ^2/NDF : 3741.9/58

All: -280.761 ± 29.409 χ^2/NDF : 11860.5/118

- sign -419.308 ± 40.620 χ^2/NDF : 8094.2/59

asym_bpm0i07WS_rms vs Slug



Right In: 258.261+/-0.050 χ^2/NDF : 10202163.3/33

Left Out: 226.376+/-0.038 χ^2/NDF : 521770.1/24

Right Out: 248.315+/-0.046 χ^2/NDF : 9293963.3/36

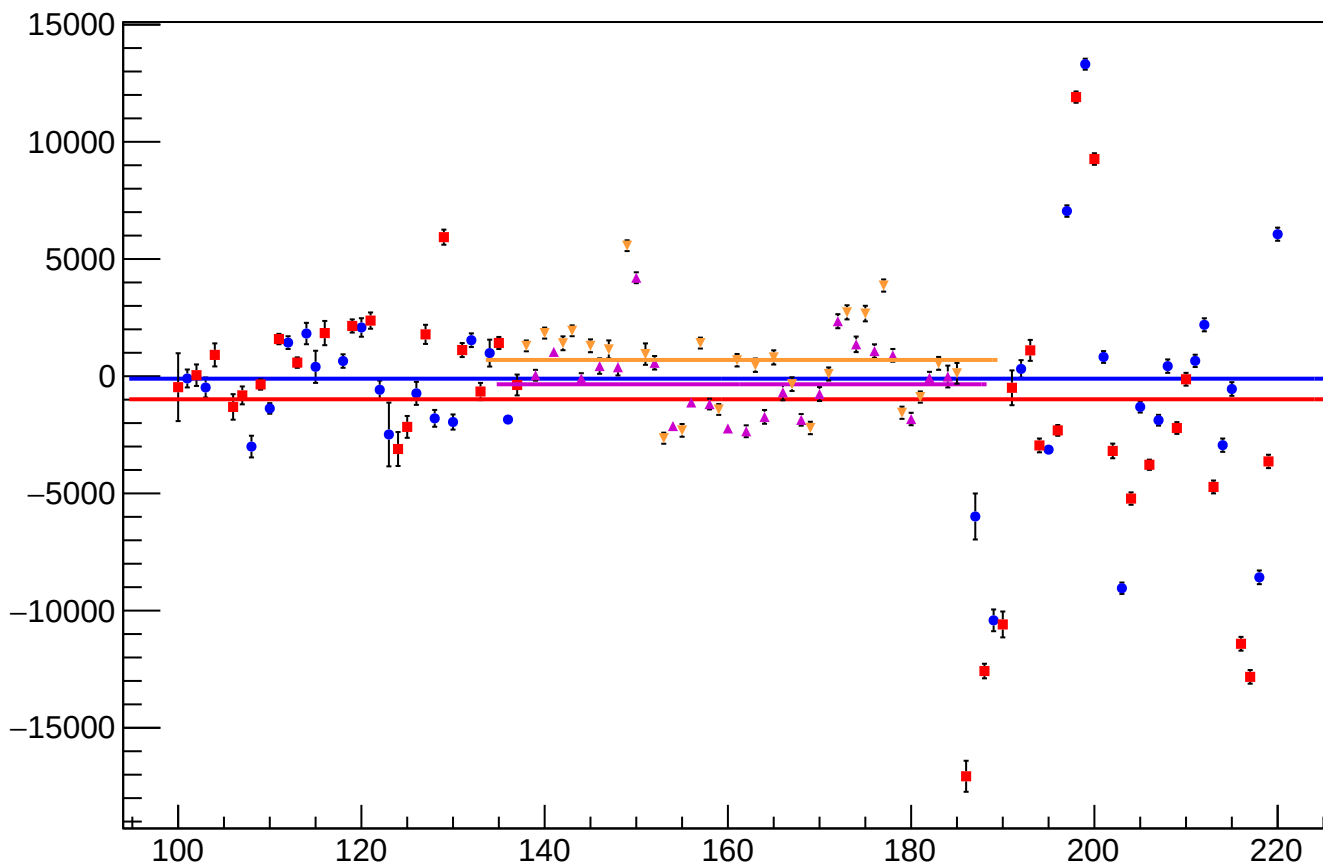
Left In: 212.145+/-0.037 χ^2/NDF : 591698.6/22

+ sign 238.006+/-0.030 χ^2/NDF : 10983138.2/58

All: 231.793+/-0.021 χ^2/NDF : 21326139.1/111

- sign 226.152+/-0.029 χ^2/NDF : 10261962.8/59

asym_bpm0l01WS_mean vs Slug



Right In: -105.498 ± 52.250 χ^2/NDF : 8110.4/33

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: -983.783 ± 51.584 χ^2/NDF : 11747.3/36

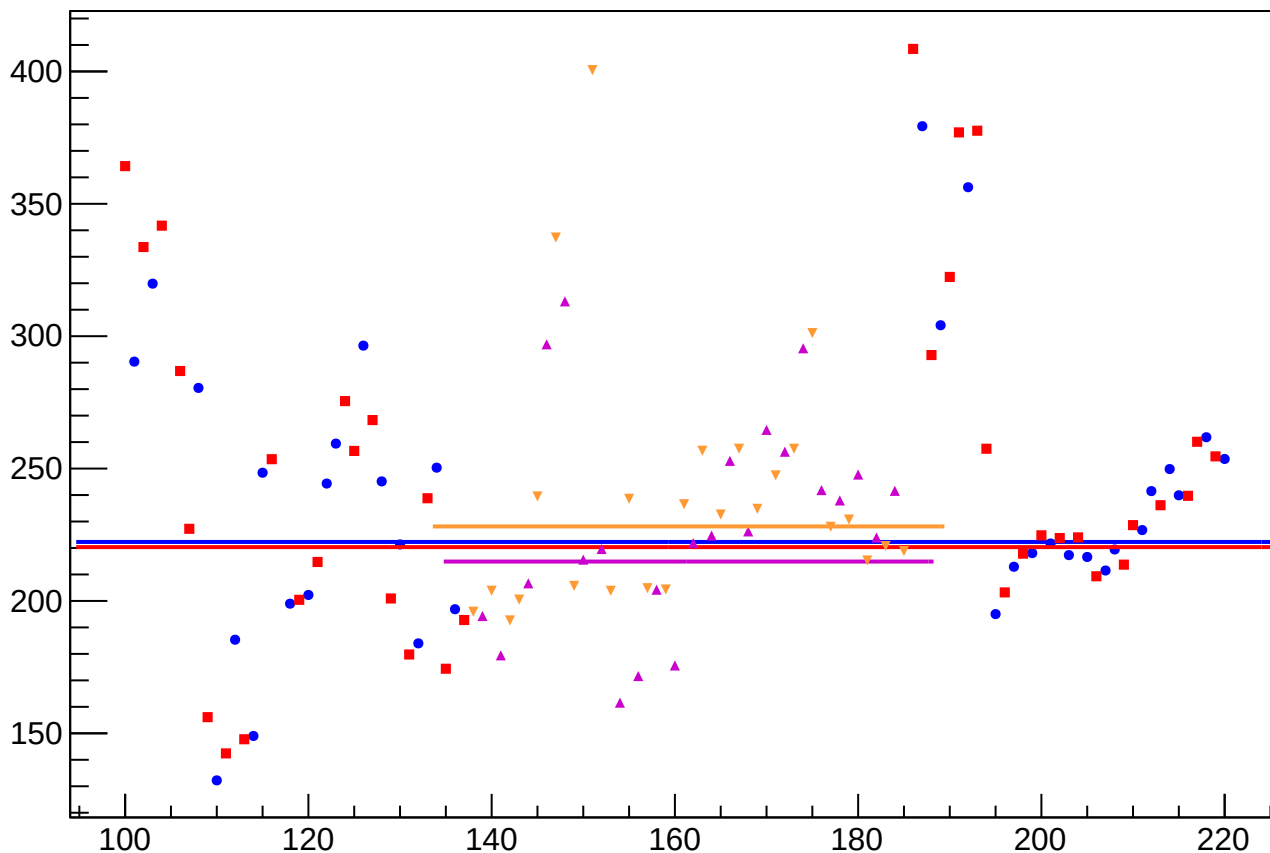
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 279.425 ± 37.632 χ^2/NDF : 9645.3/58

All: -205.272 ± 26.366 χ^2/NDF : 22778.2/118

- sign -672.558 ± 36.950 χ^2/NDF : 12807.0/59

asym_bpm0l01WS_rms vs Slug



Right In: 222.281+/-0.037 χ^2/NDF : 1263192.5/33

Left Out: 228.144+/-0.038 χ^2/NDF : 828399.3/24

Right Out: 220.331+/-0.036 χ^2/NDF : 1918018.7/36

Left In: 214.878+/-0.037 χ^2/NDF : 1037509.6/22

+ sign 225.103+/-0.027 χ^2/NDF : 2103708.5/58

All: 221.321+/-0.019 χ^2/NDF : 5109776.4/118

- sign 217.676+/-0.026 χ^2/NDF : 2966408.8/59

bcm_an_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_an_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

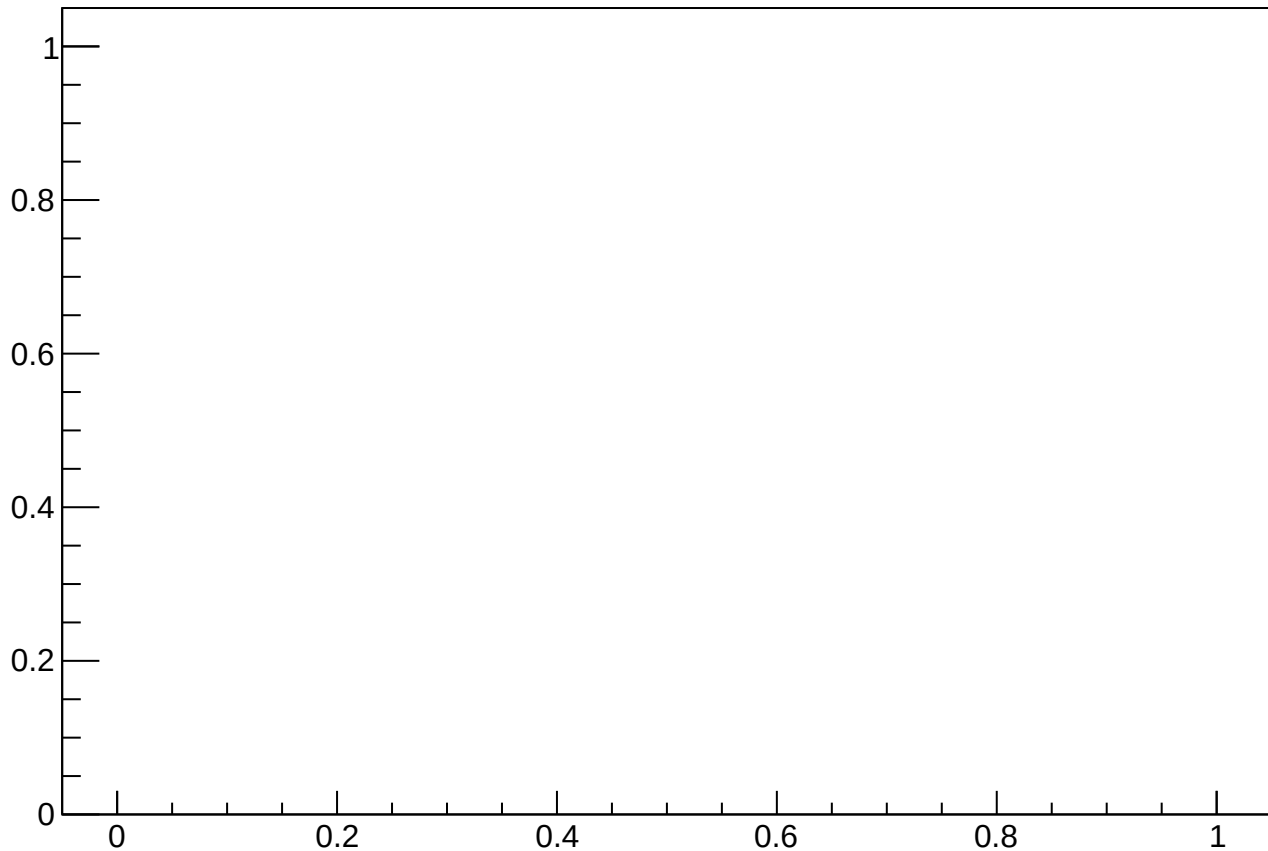
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

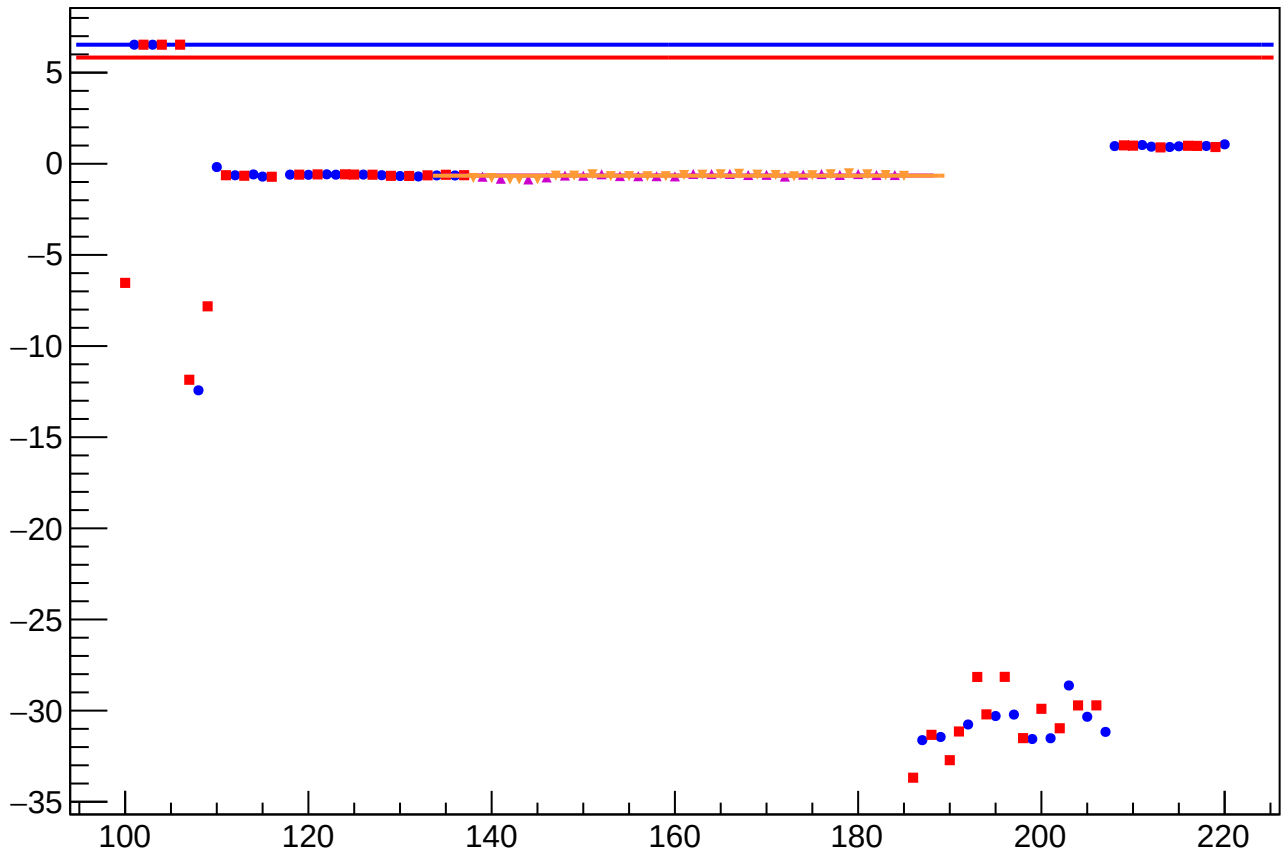
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 140757353804.4/33

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755970602025205.9/36

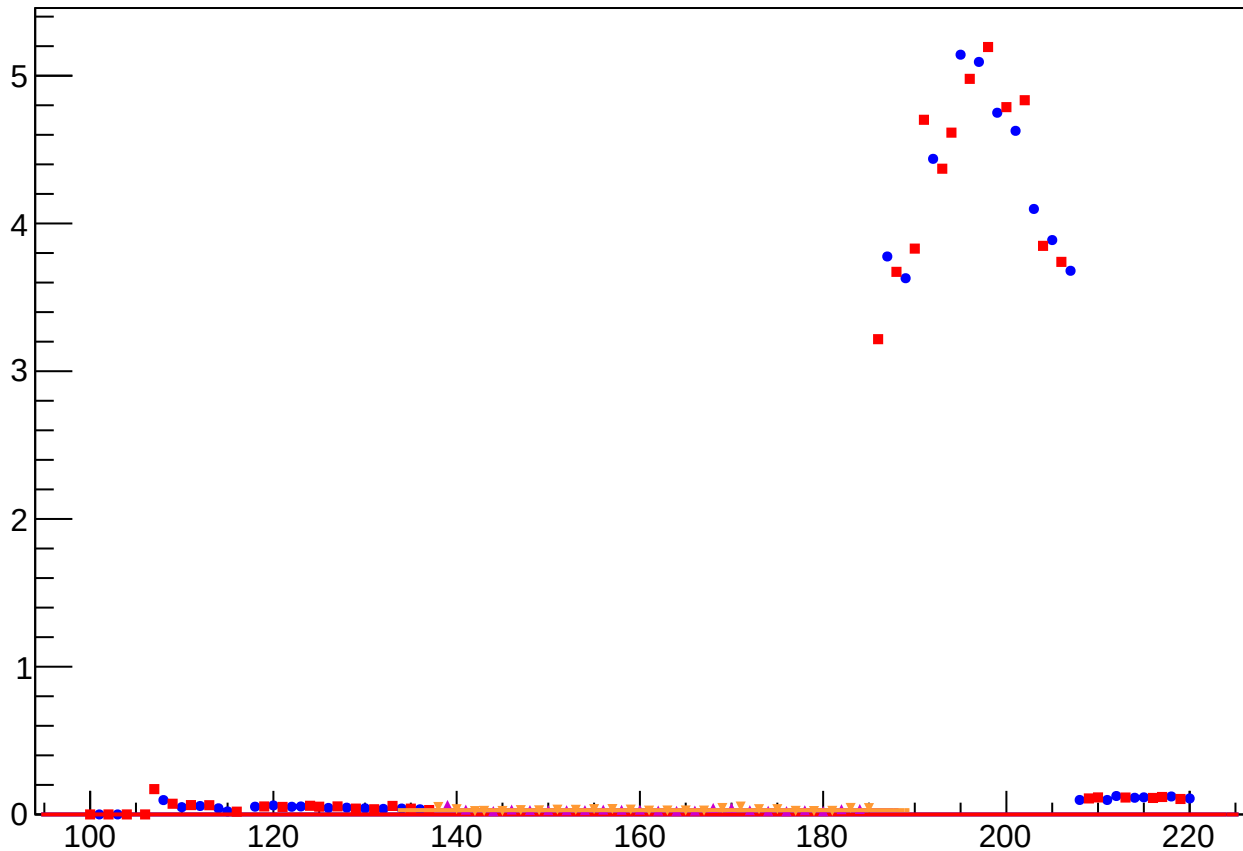
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1014589485602.9/58

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77764821608395

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756649061108981.1/36

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 32815169.1/33

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 33485831.2/36

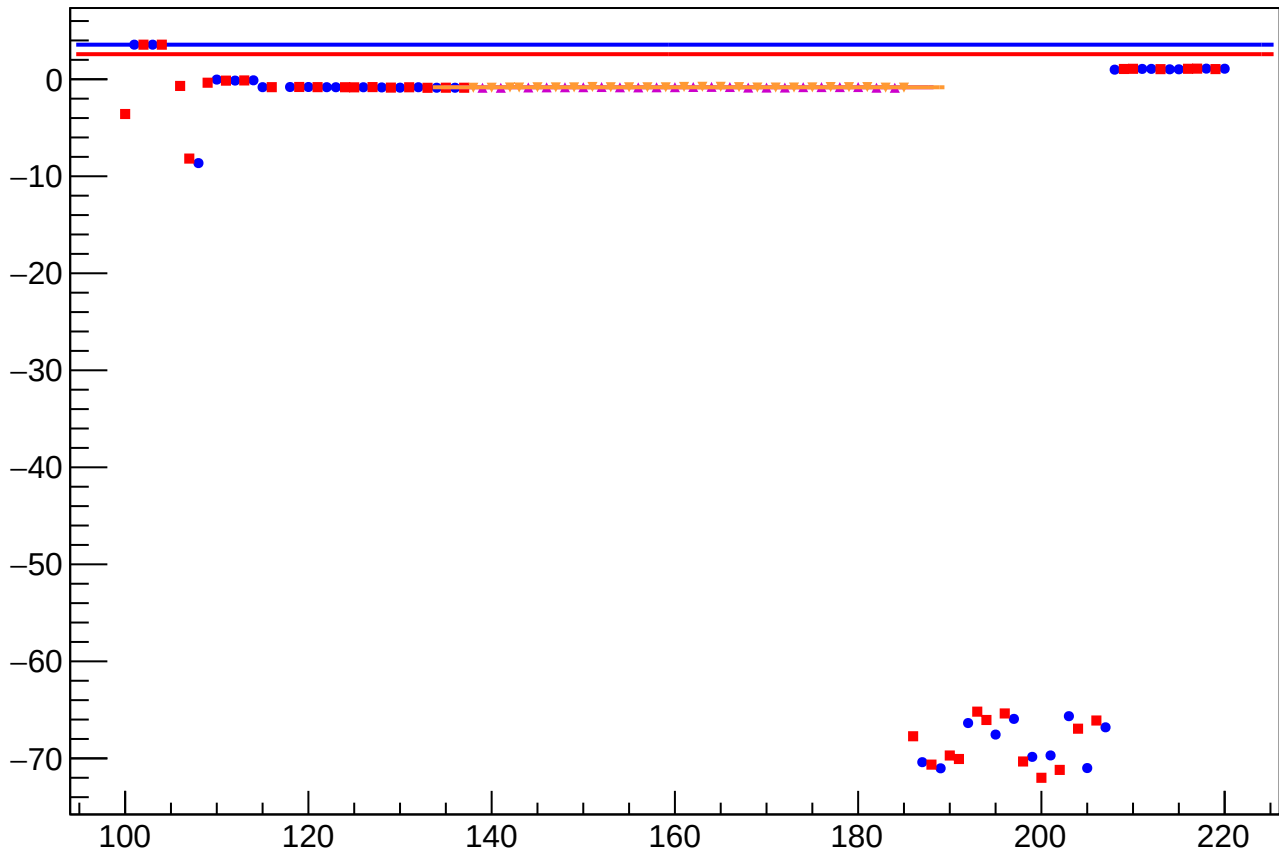
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 62777730.4/58

All: 0.000+/-0.000 χ^2/NDF : 124445307.7/118

- sign 0.000+/-0.000 χ^2/NDF : 61666832.7/59

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 592039080062.0/33

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

+ sign 3.560+/-0.000 χ^2/NDF : 4288256657303.6/58

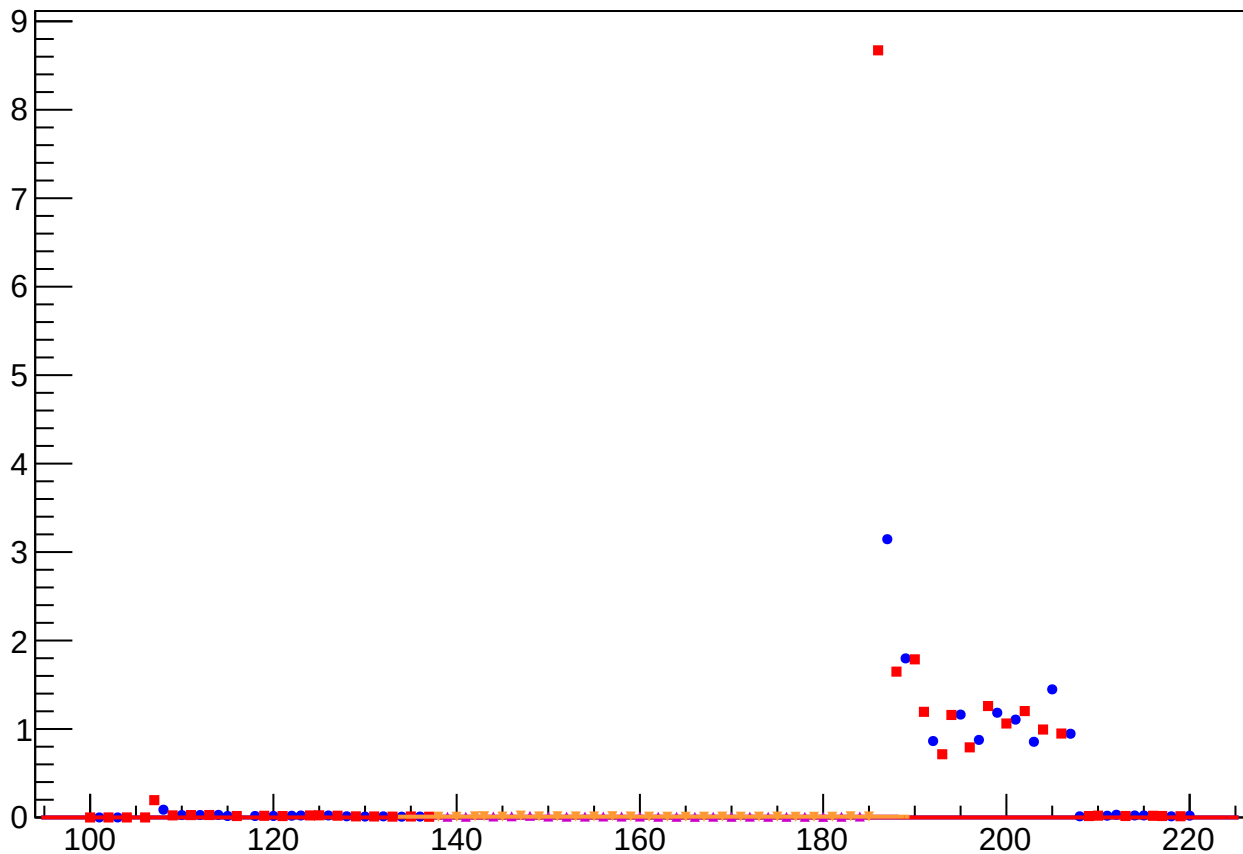
All: 3.037+/-0.000 χ^2/NDF : 1388145077066

Right Out: 2.583+/-0.000 χ^2/NDF : 1253565465949878.0/36

- sign 2.581+/-0.000 χ^2/NDF : 1255786454937994.2

Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 29789257.9/33

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 31074840.5/36

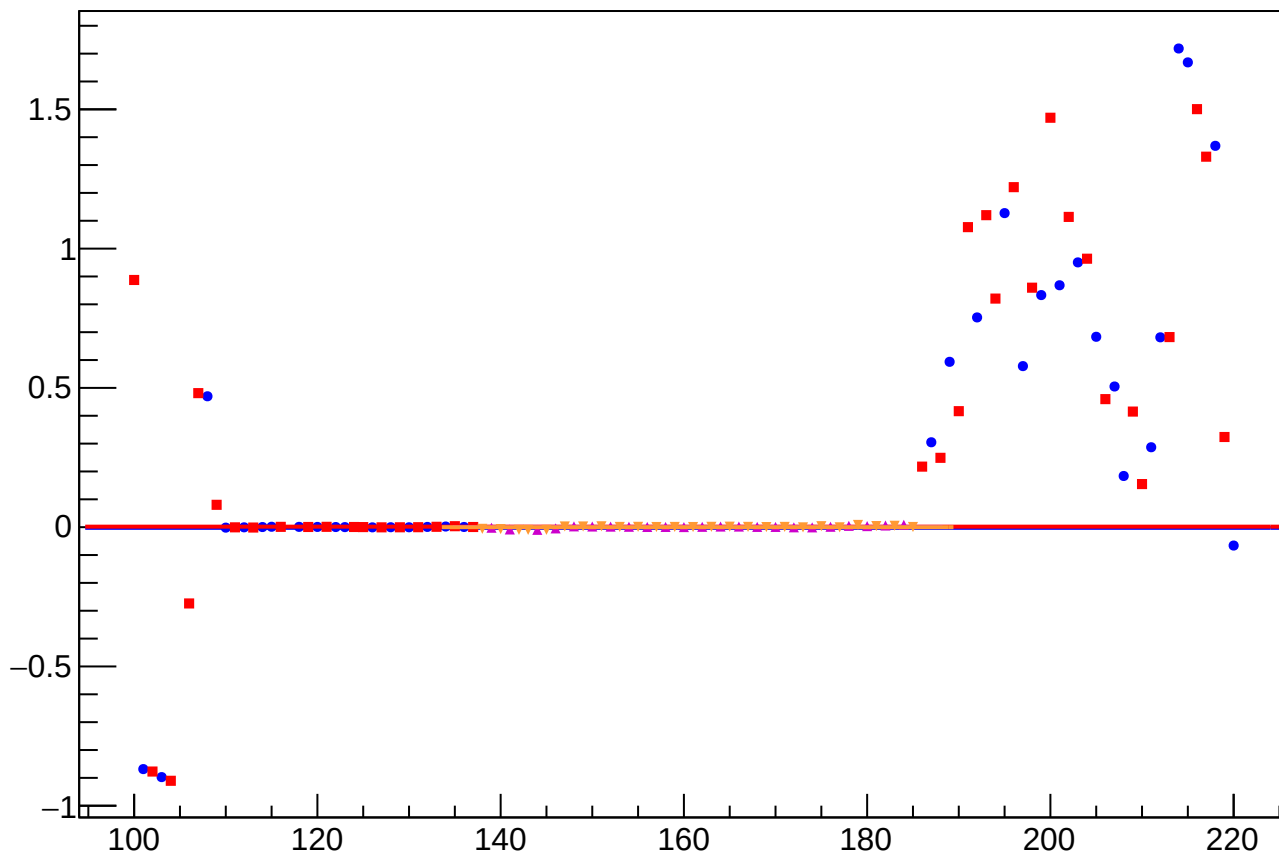
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 61291295.7/58

All: 0.000+/-0.000 χ^2/NDF : 122168230.7/118

- sign 0.000+/-0.000 χ^2/NDF : 60875777.5/59

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9797444725.7/33$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151559332.0/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3044231540.2/36$

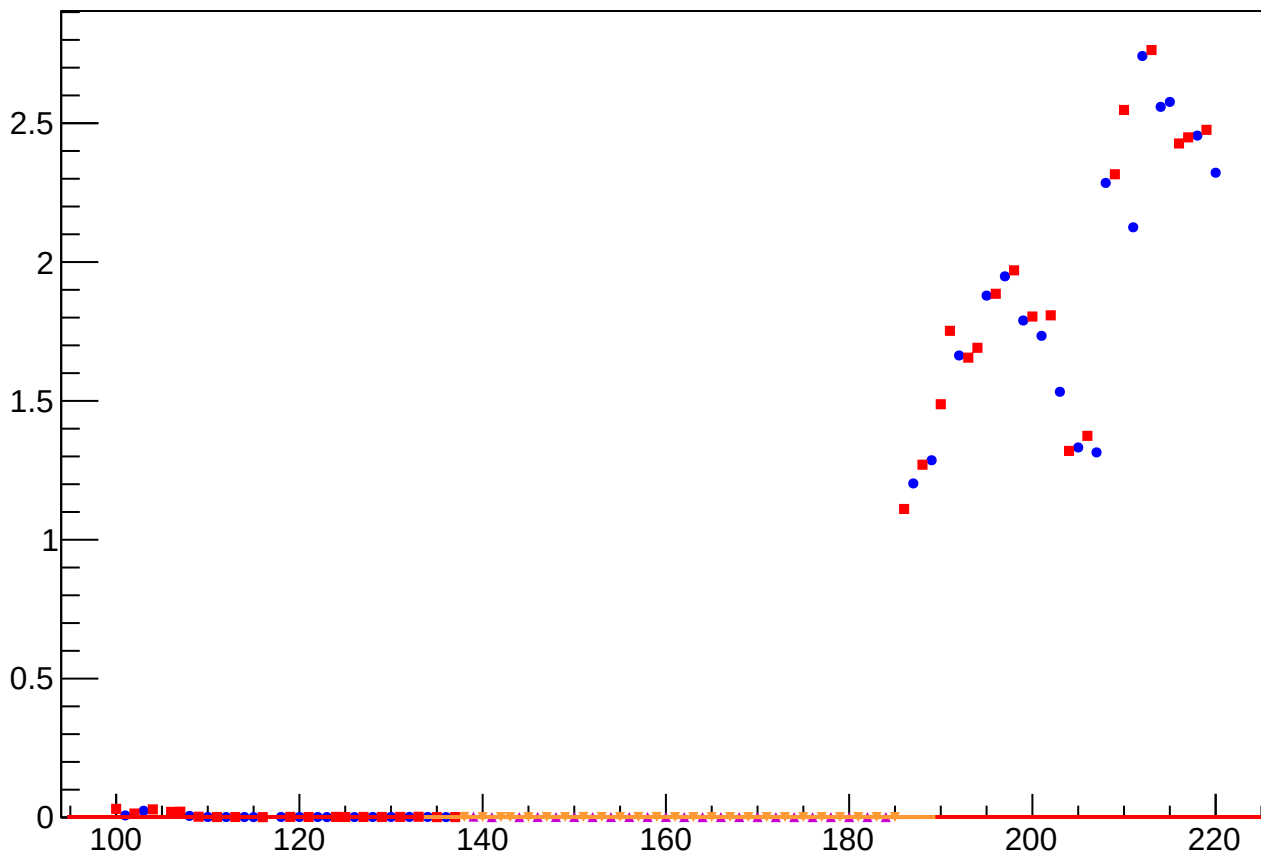
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101468517.6/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9955959544.5/58$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13111191067.8/119$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3147680149.9/59$

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 25871539.5/33

Left Out: 0.001+/-0.000 χ^2/NDF :539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 27157461.8/36

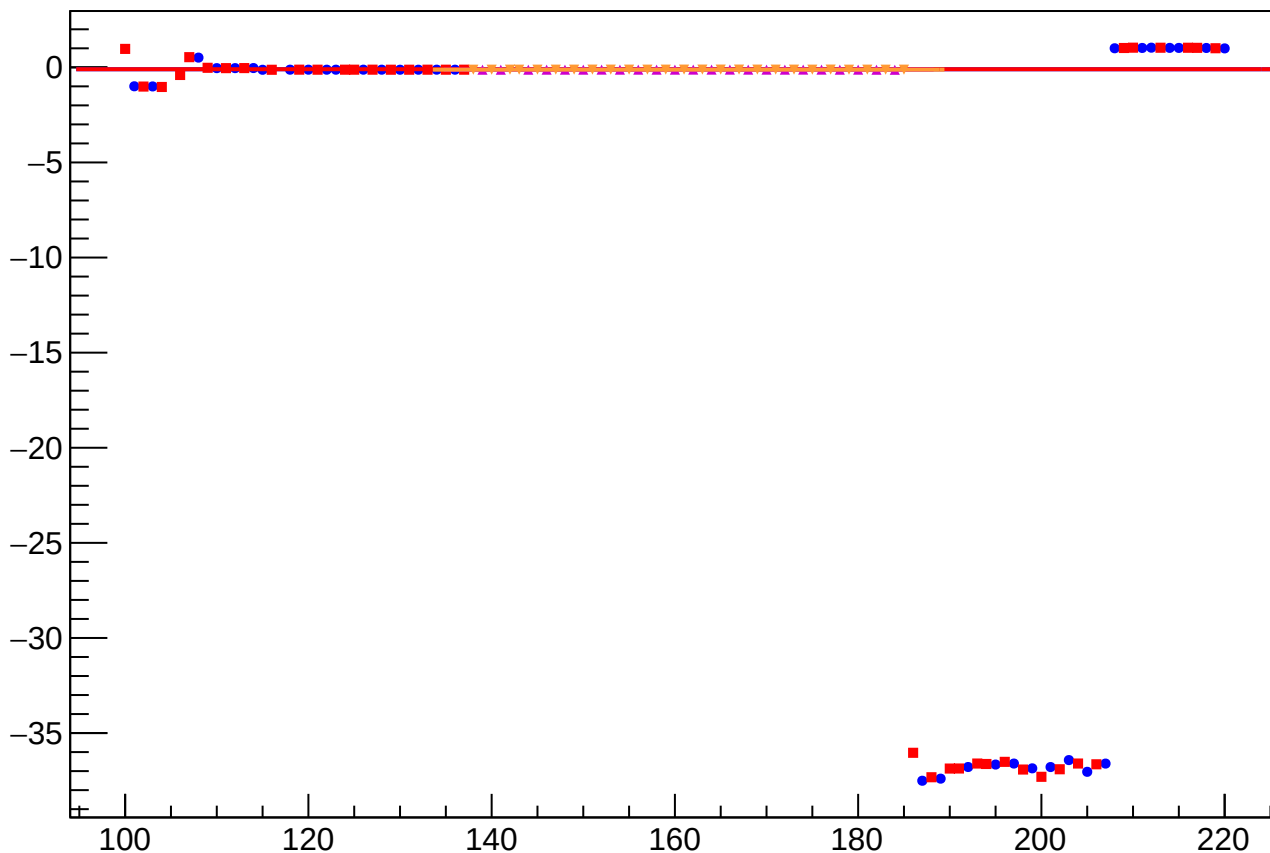
Left In: 0.001+/-0.000 χ^2/NDF :659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 26483316.3/58

All: 0.002+/-0.000 χ^2/NDF : 54420113.9/118

- sign 0.002+/-0.000 χ^2/NDF : 27928911.5/59

yield_cav4cY_mean vs Slug



Right In: -0.101 ± 0.000 $\chi^2/\text{NDF}: 107791725657.4/33$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58329026.8/24$

Right Out: -0.099 ± 0.000 $\chi^2/\text{NDF}: 106476744741.9/36$

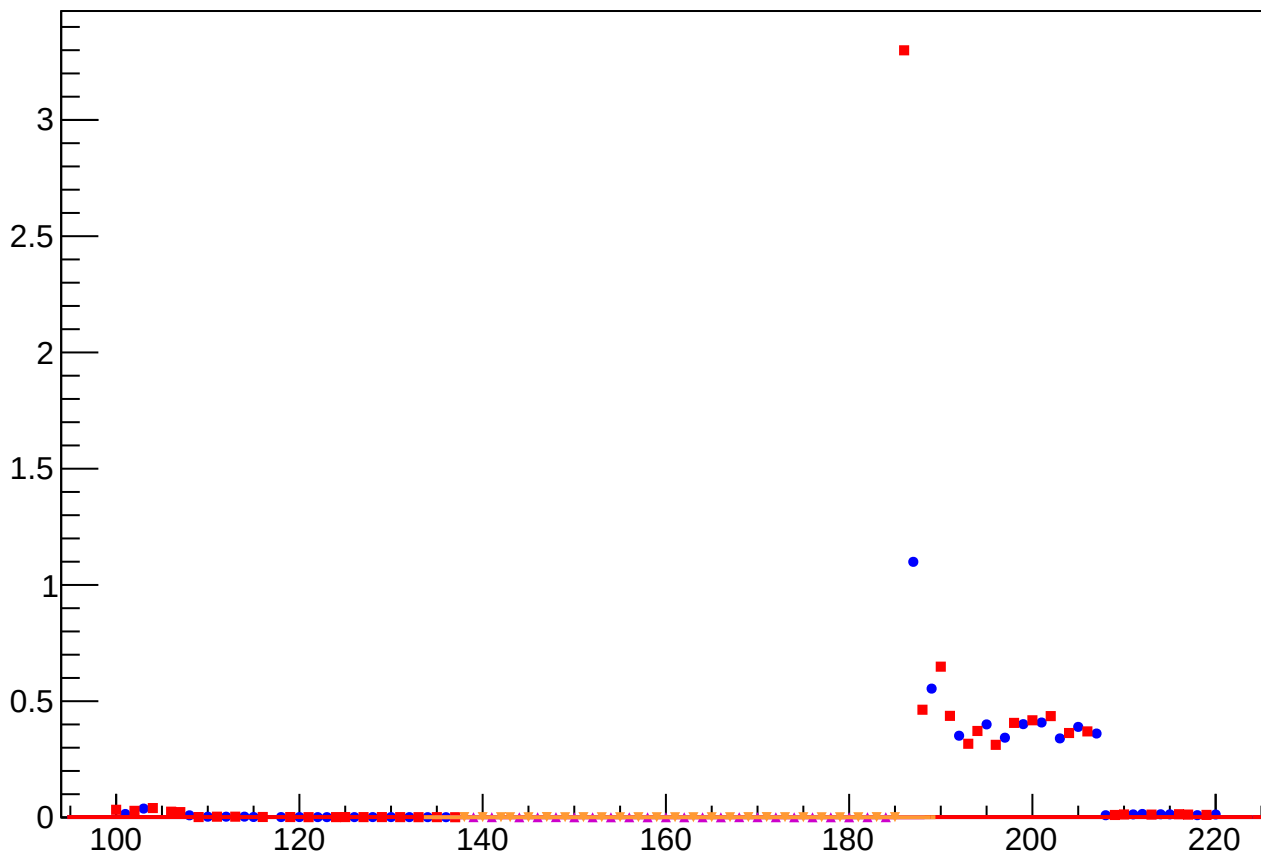
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 53134323.3/22$

+ sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 108521039257.0/58$

All: -0.119 ± 0.000 $\chi^2/\text{NDF}: 215907658991.3$

- sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 107383686739.8/59$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 23473817.0/33

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 24889374.9/36

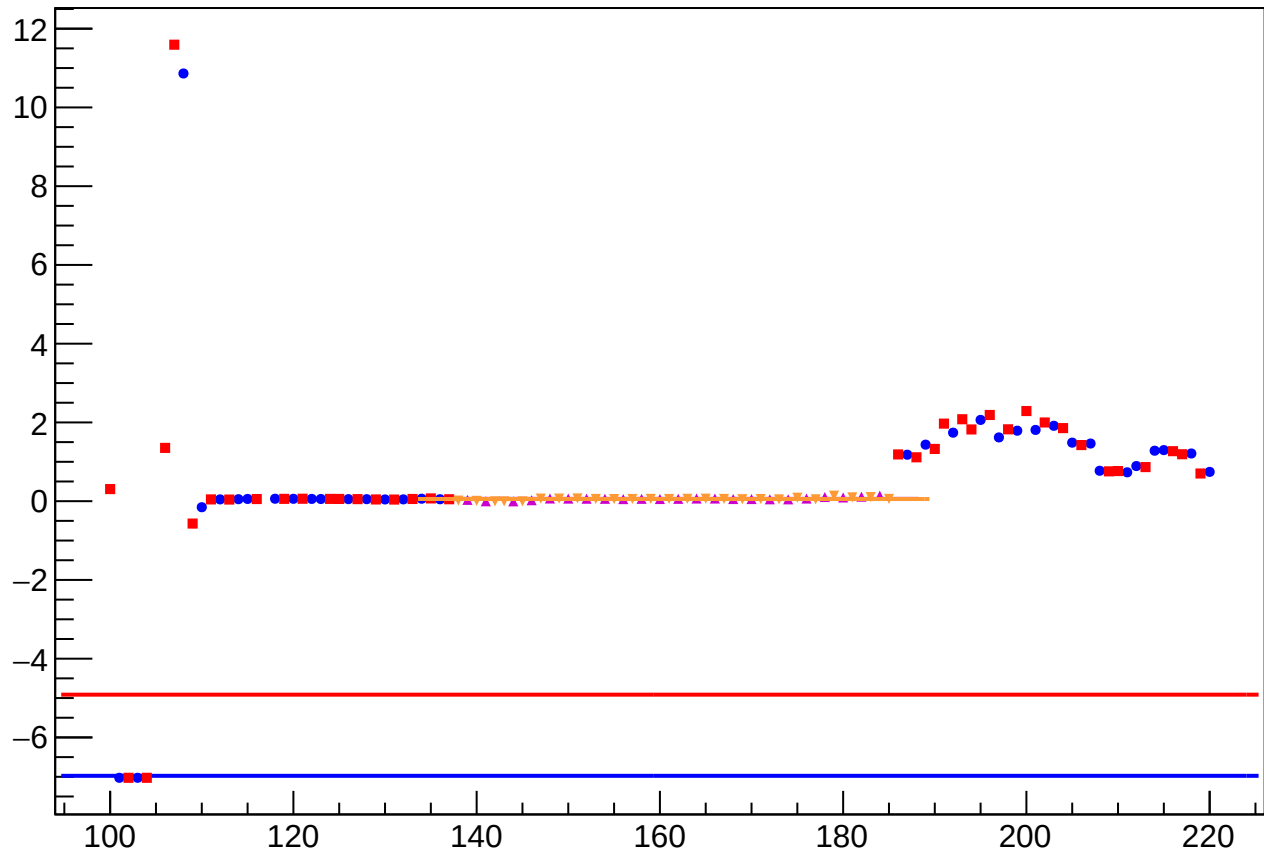
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 26902255.1/58

All: 0.001+/-0.000 χ^2/NDF : 54656941.2/118

- sign 0.001+/-0.000 χ^2/NDF : 27753023.8/59

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8763228461562.4/33

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348939813044.2/36

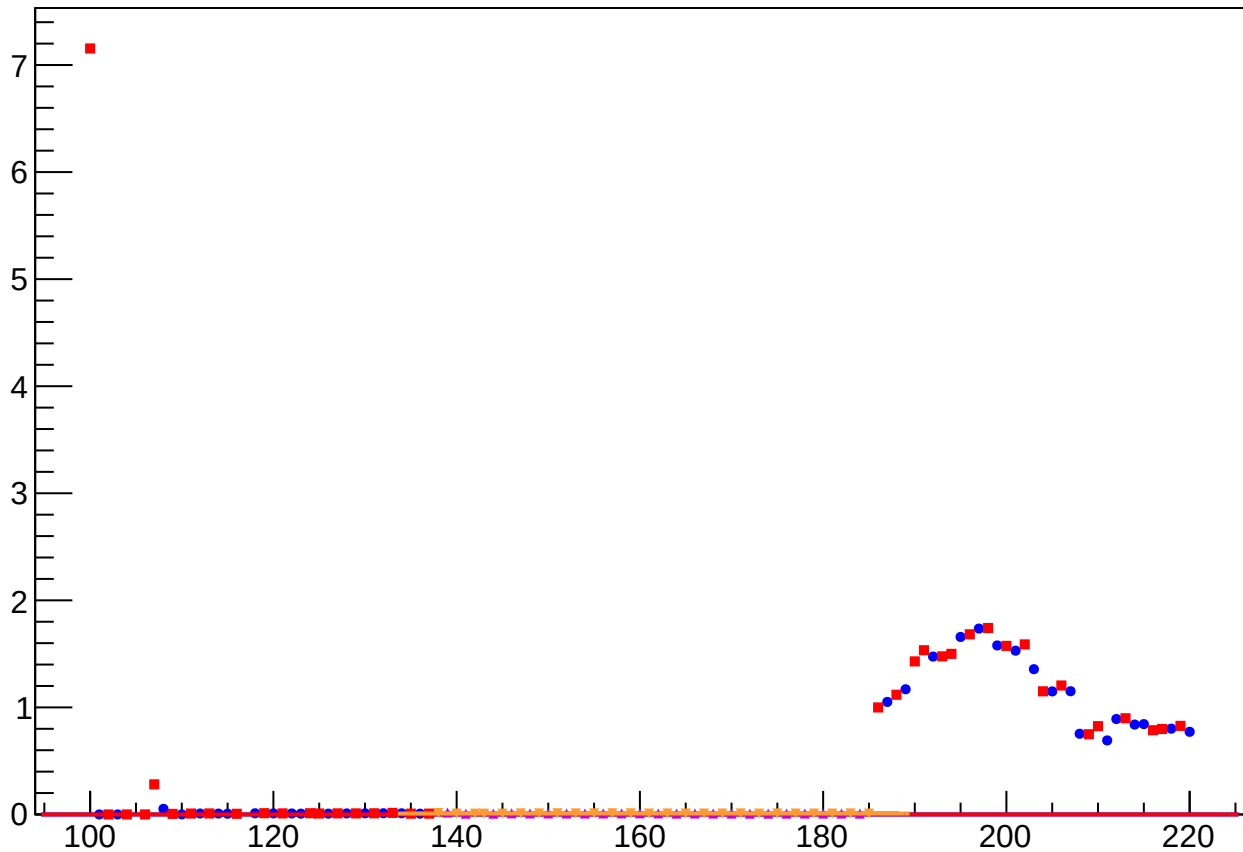
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18418208923381.6/33

All: -5.858 ± 0.000 χ^2/NDF : 4435822792907.4/33

- sign -4.882 ± 0.000 χ^2/NDF : 369771227716128.5/33

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 32201989.0/33

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 32924838.8/36

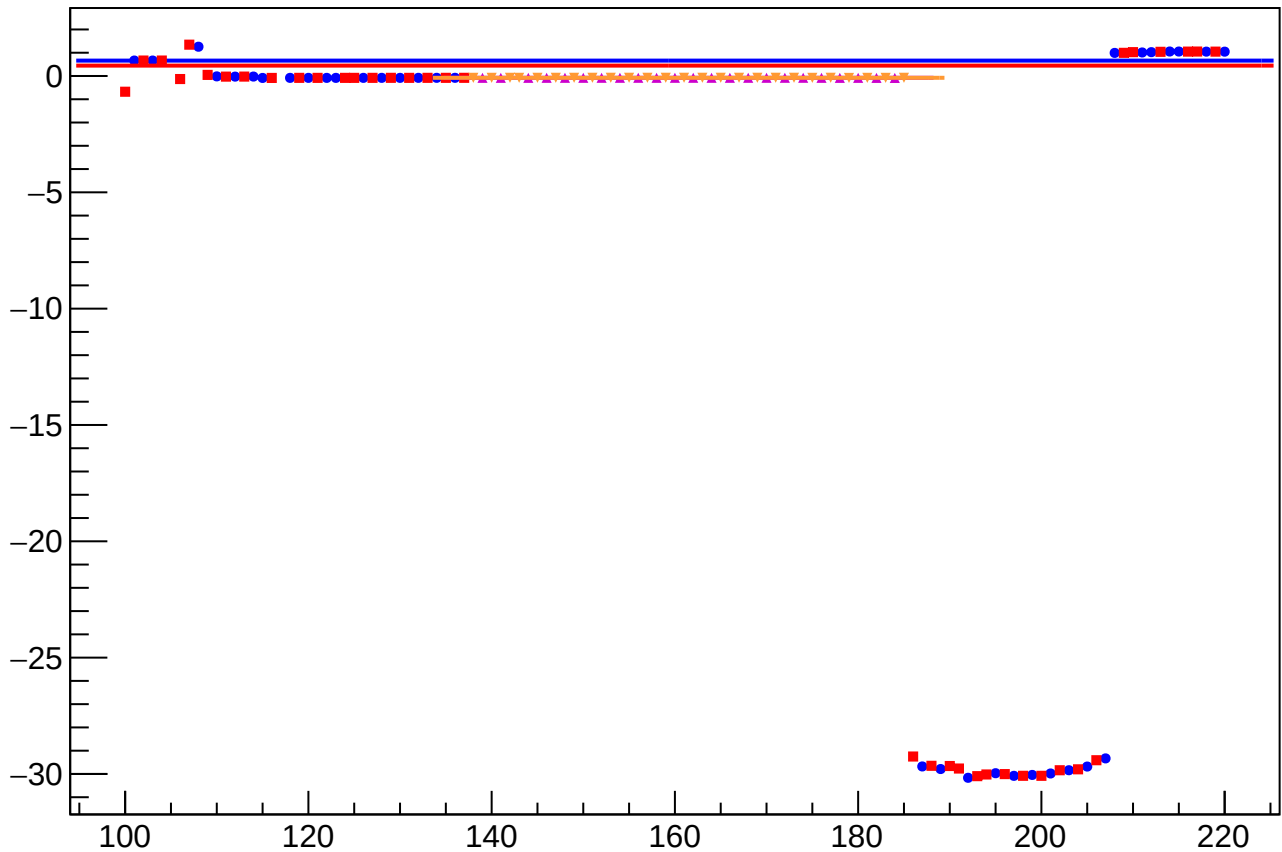
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 61187116.3/58

All: 0.000+/-0.000 χ^2/NDF : 121788666.6/118

- sign 0.000+/-0.000 χ^2/NDF : 60597044.0/59

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5649975934610.6/33

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156525648.0/24

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35817790249149.9/5

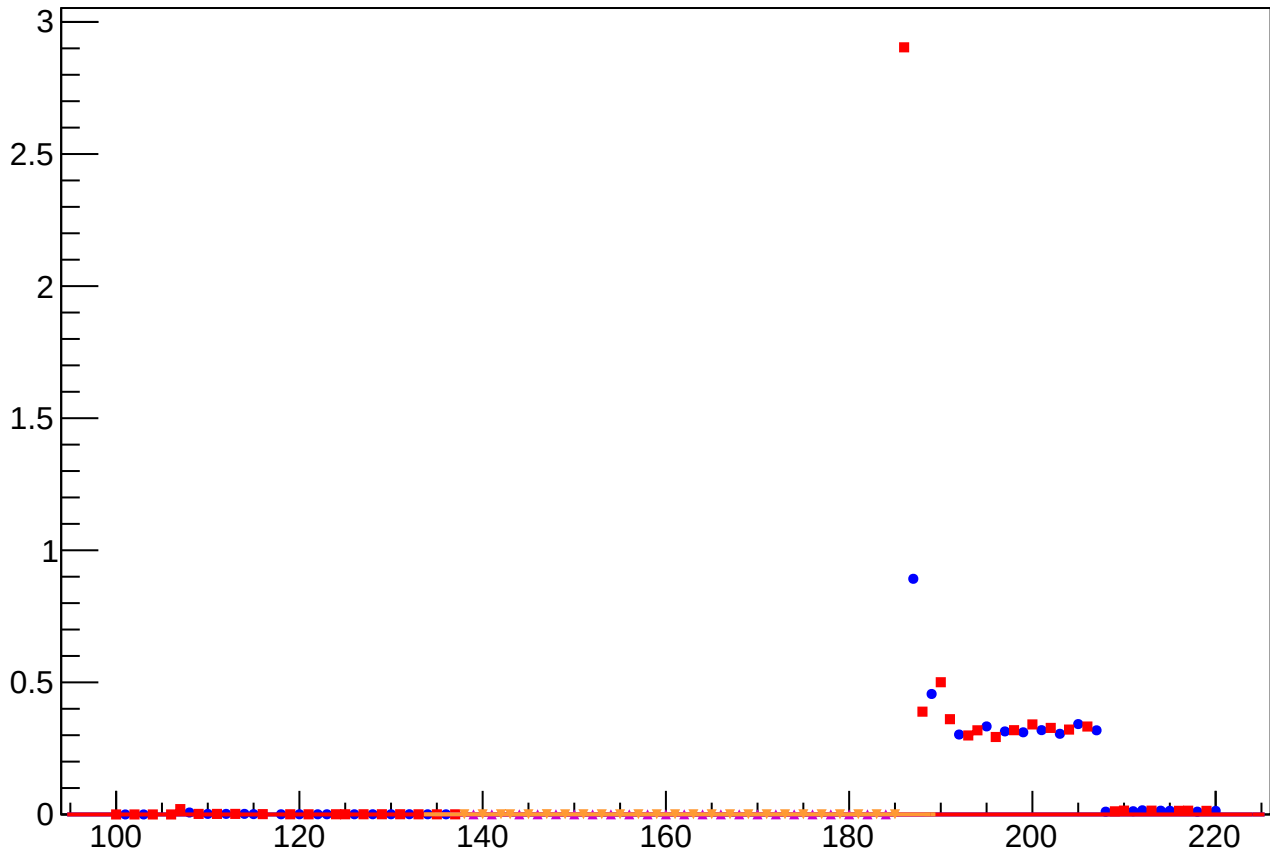
Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405486762014241.5/36

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51611691905727

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419718535997029.5/

Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 111221084.5/22

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 33402106.8/33

Left Out: 0.001+/-0.000 χ^2/NDF :466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 33438861.5/36

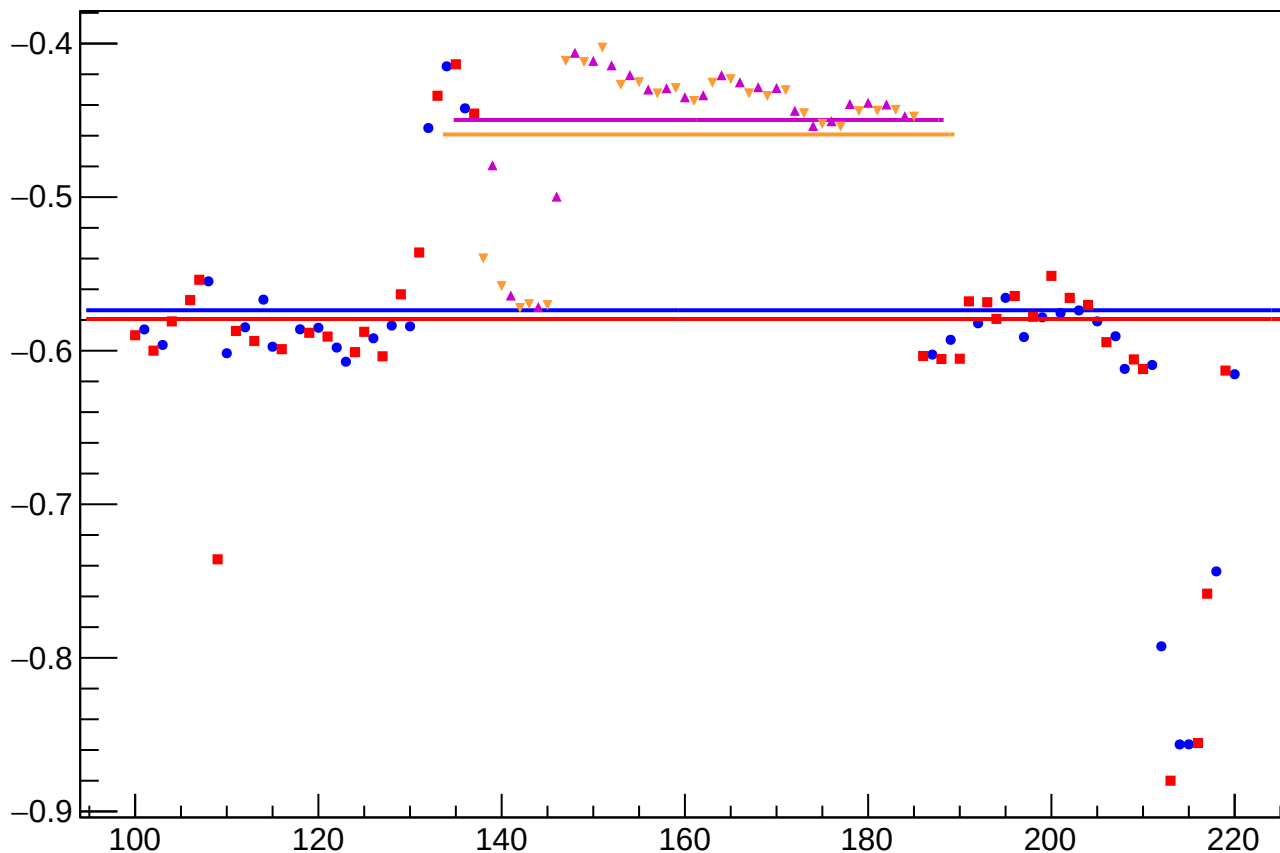
Left In: 0.001+/-0.000 χ^2/NDF :355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 66033260.9/58

All: 0.000+/-0.000 χ^2/NDF : 130503538.7/118

- sign 0.000+/-0.000 χ^2/NDF : 64462802.5/59

yield_bpm4aX_mean vs Slug



Right In: -0.574 ± 0.000 χ^2/NDF : 115128587.5/33

Left Out: -0.459 ± 0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.579 ± 0.000 χ^2/NDF : 119915621.4/36

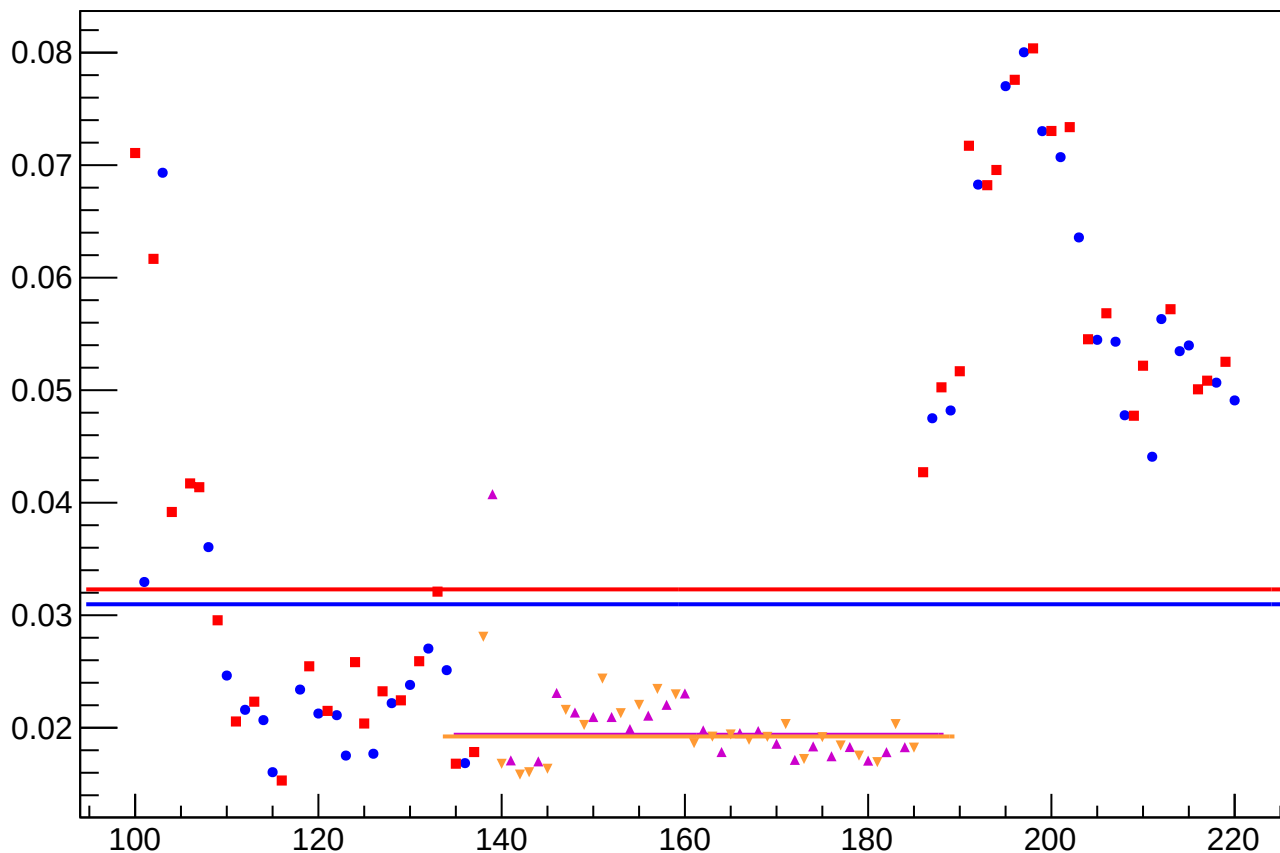
Left In: -0.450 ± 0.000 χ^2/NDF : 76151485.7/22

+ sign -0.489 ± 0.000 χ^2/NDF : 365665389.1/58

All: -0.487 ± 0.000 χ^2/NDF : 728701527.9/11

- sign -0.484 ± 0.000 χ^2/NDF : 362429728.6/59

yield_bpm4aX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 7991513.1/33

Left Out: 0.019+/-0.000 χ^2/NDF : 501253.7/24

Right Out: 0.032+/-0.000 χ^2/NDF : 7835570.5/36

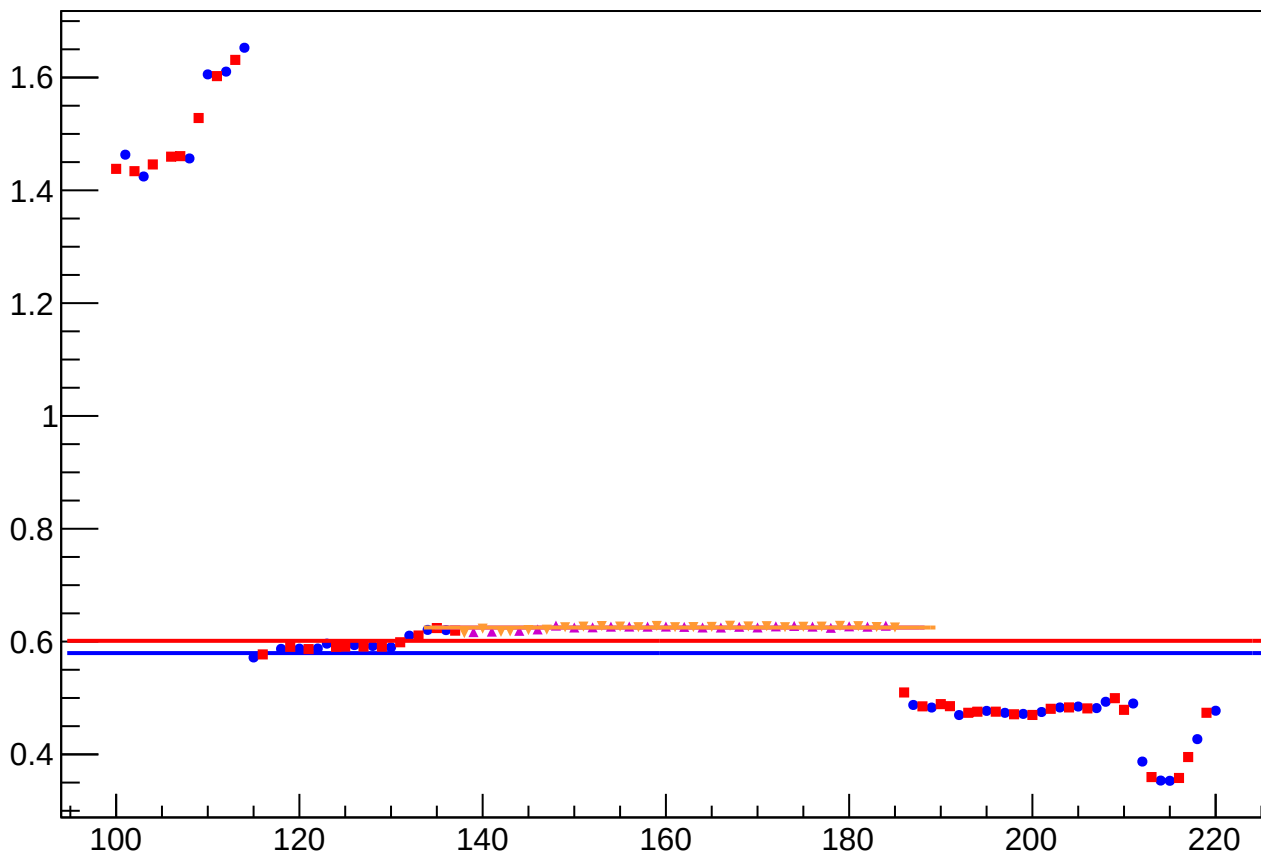
Left In: 0.019+/-0.000 χ^2/NDF : 656155.9/22

+ sign 0.022+/-0.000 χ^2/NDF : 11373872.7/58

All: 0.023+/-0.000 χ^2/NDF : 23187042.1/118

- sign 0.023+/-0.000 χ^2/NDF : 11798623.7/59

yield_bpm4aY_mean vs Slug



Right In: 0.580 $\pm$ 0.000 χ^2 /NDF: 5617608355.2/33

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.601 $\pm$ 0.000 χ^2 /NDF: 6628936062.7/36

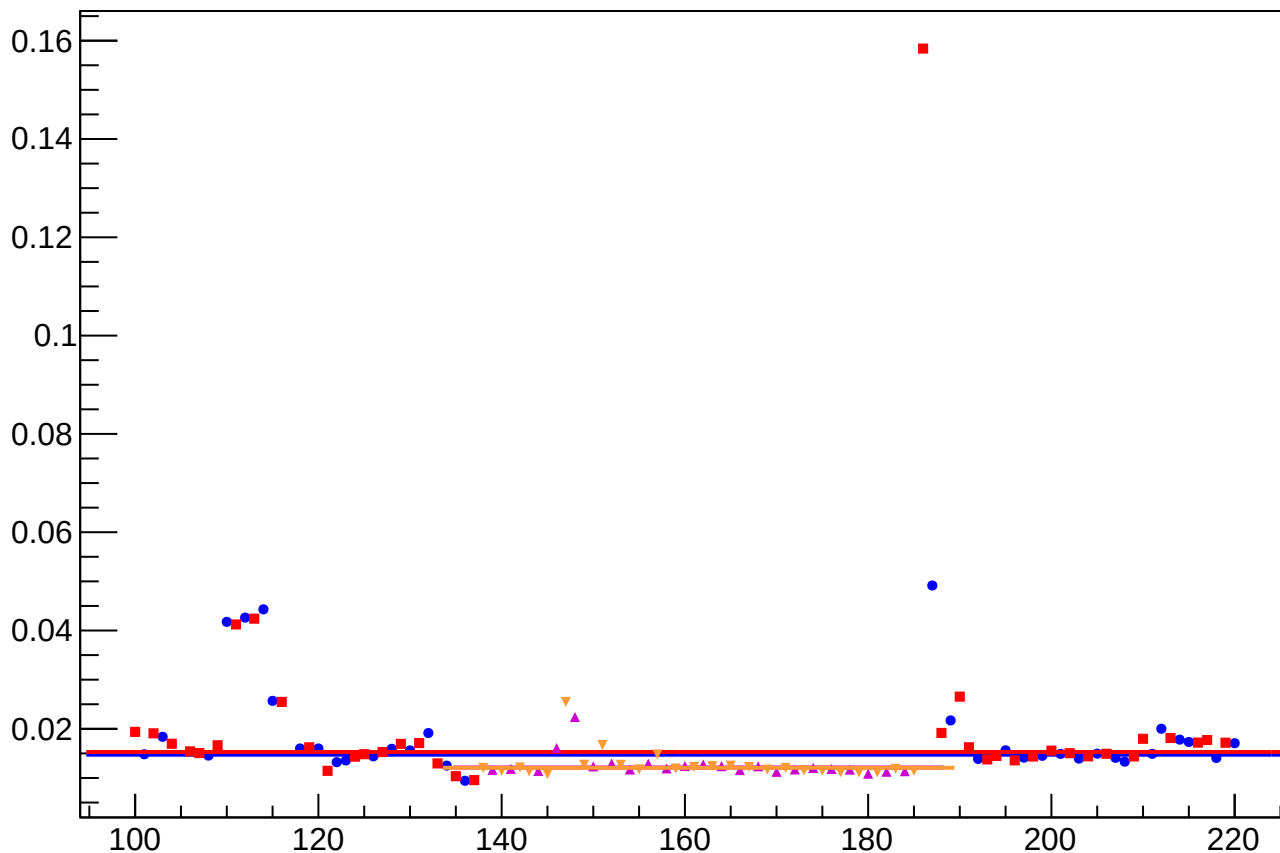
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.607 $\pm$ 0.000 χ^2 /NDF: 5717315985.1/58

All: 0.611 $\pm$ 0.000 χ^2 /NDF: 12379406927.4/1

- sign 0.616 $\pm$ 0.000 χ^2 /NDF: 6655080434.9/59

yield_bpm4aY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1882630.0/33

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2228304.9/36

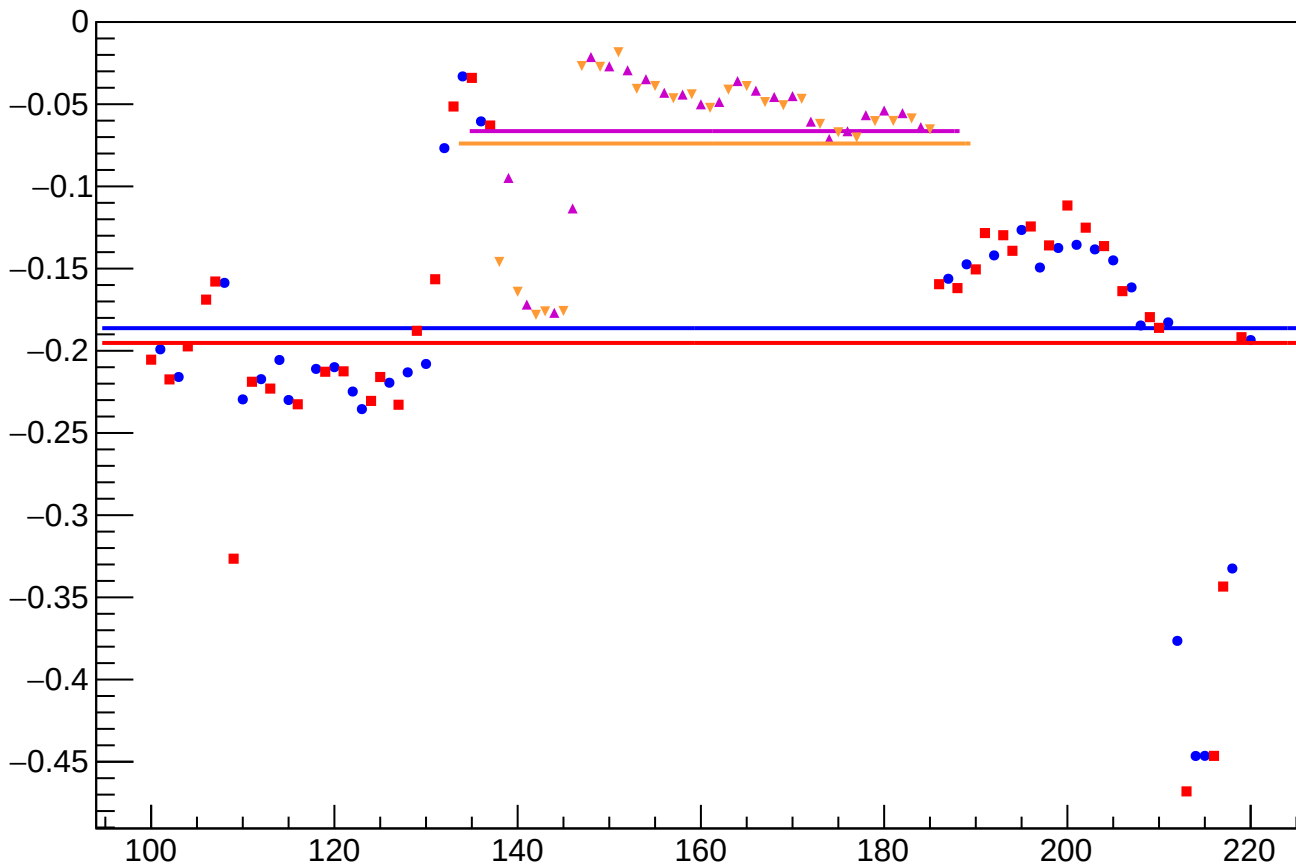
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3219408.1/58

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6848372.7/118

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3615815.3/59

yield_bpm4eX_mean vs Slug



Right In: -0.186+/-0.000 χ^2/NDF : 127810754.9/33

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.195+/-0.000 χ^2/NDF : 134106557.2/36

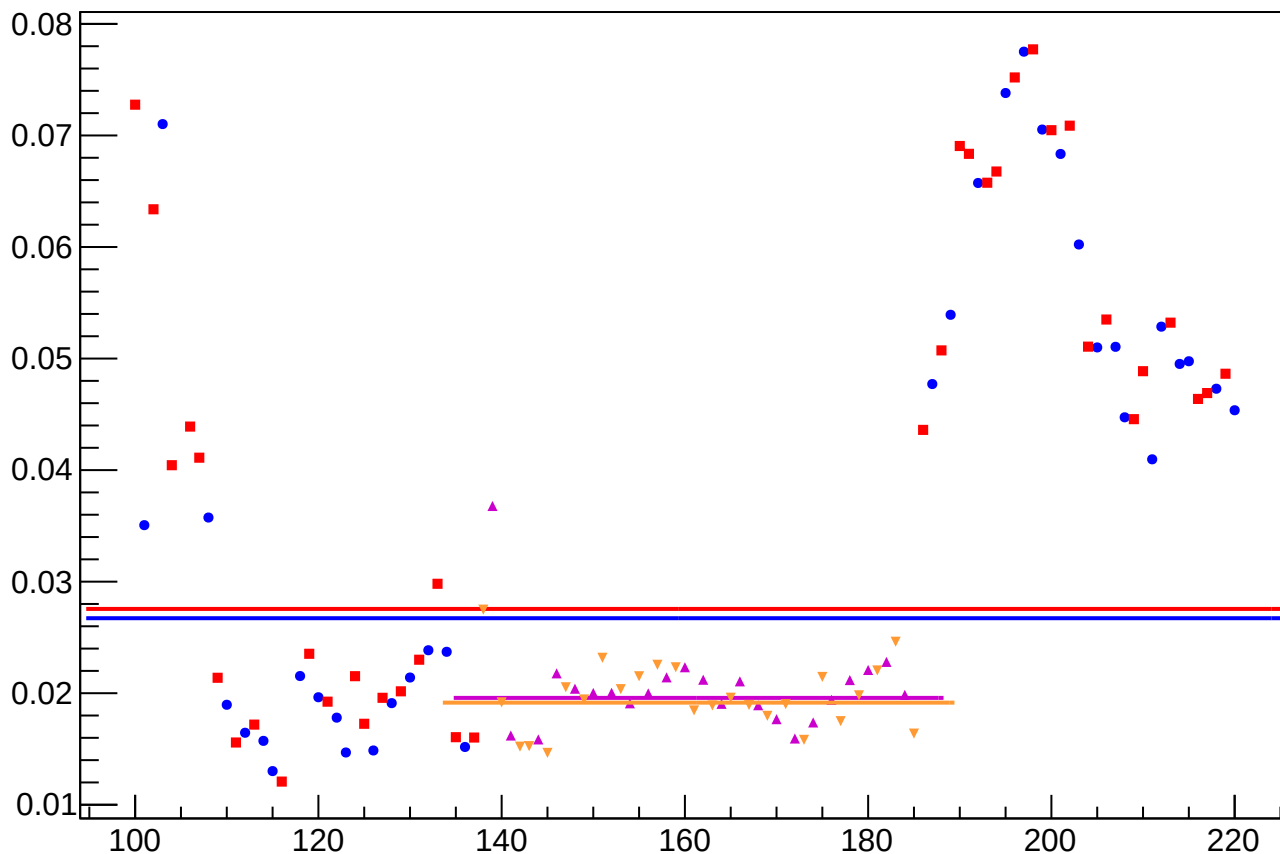
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.108+/-0.000 χ^2/NDF : 393518384.3/58

All: -0.108+/-0.000 χ^2/NDF : 800941227.3/11

- sign -0.107+/-0.000 χ^2/NDF : 407403132.8/59

yield_bpm4eX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9394850.0/33

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 641027.3/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9593347.2/36

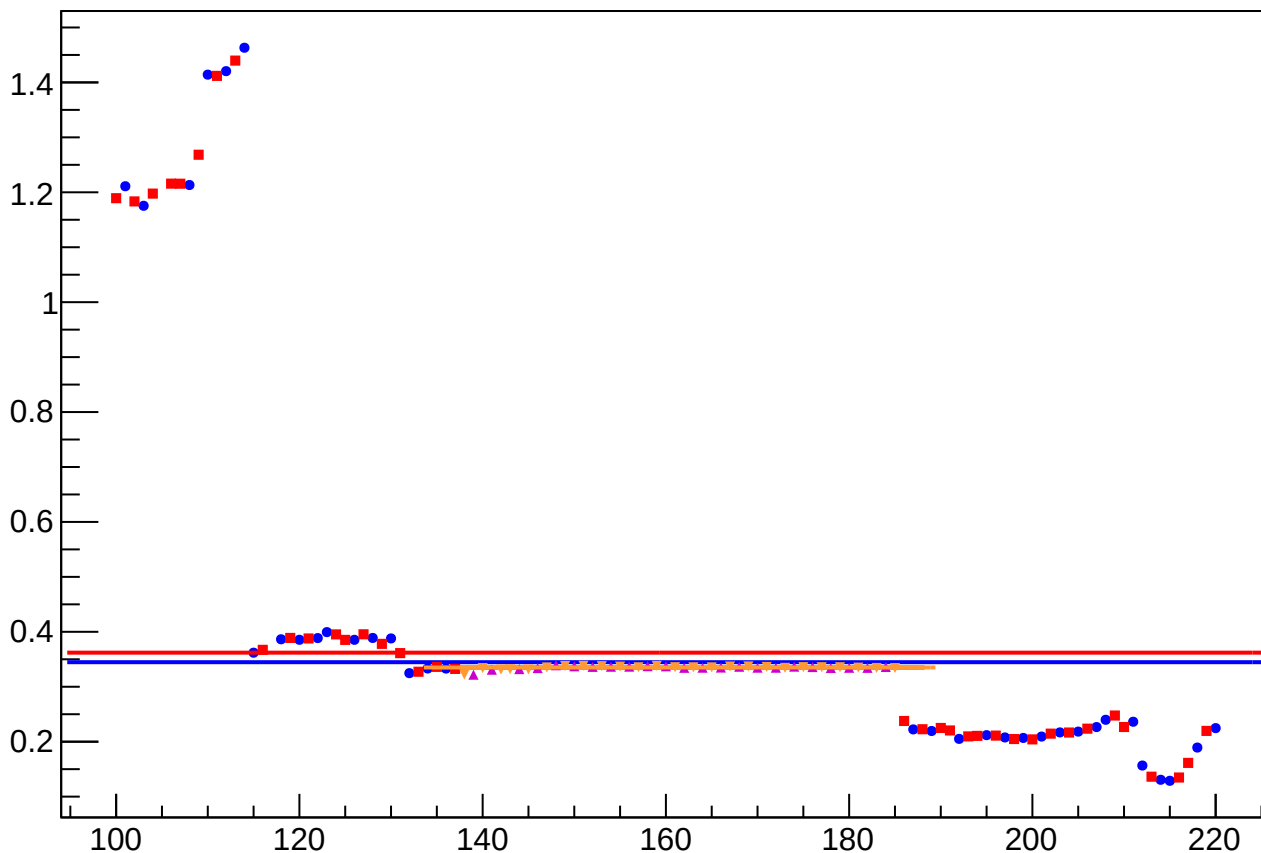
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 651328.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11469088.6/58

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 23247463.1/118

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11754011.3/59

yield_bpm4eY_mean vs Slug



Right In: 0.345 $\pm$ 0.000 χ^2 /NDF: 8092344405.8/33

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1153956.7/24

Right Out: 0.362 $\pm$ 0.000 χ^2 /NDF: 9136216152.3/36

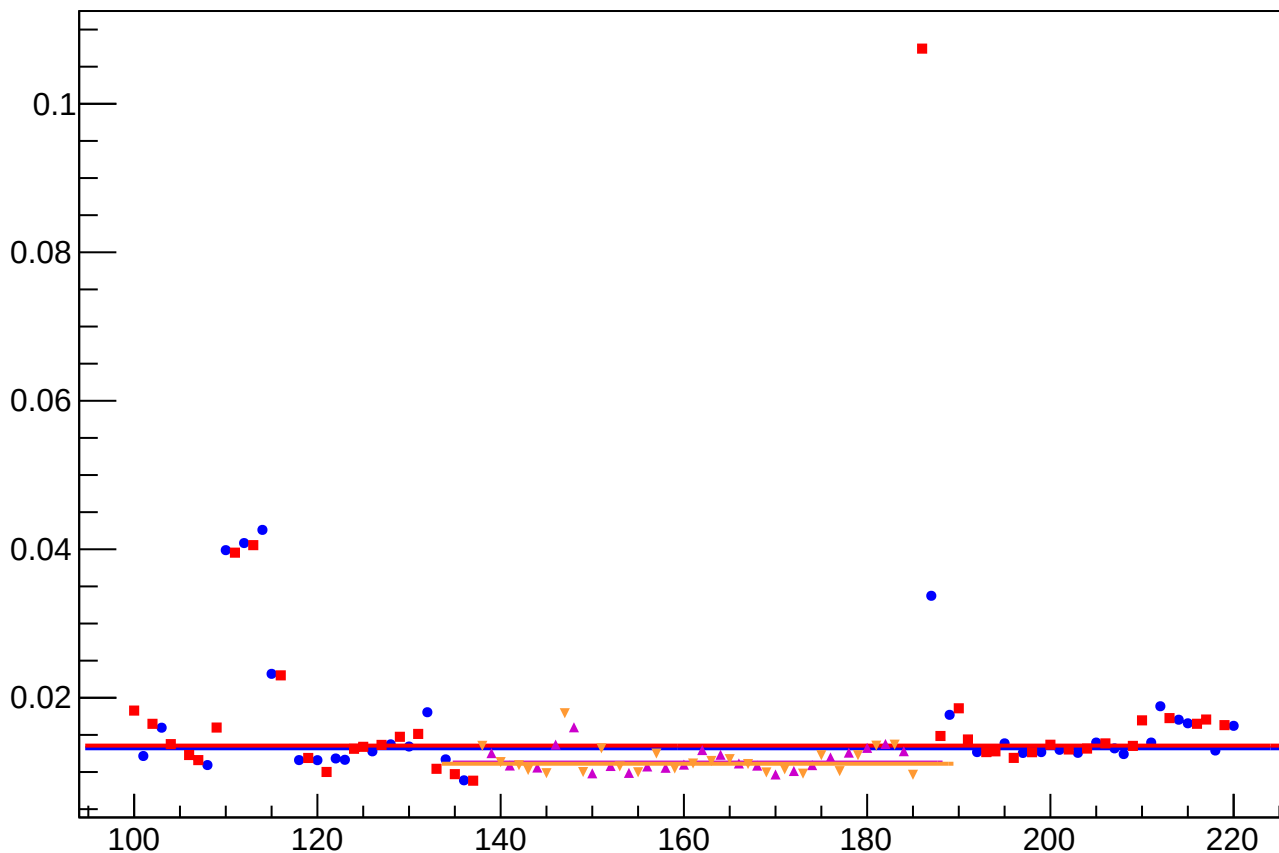
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1198302.8/22

+ sign 0.339 $\pm$ 0.000 χ^2 /NDF: 8098843737.1/58

All: 0.343 $\pm$ 0.000 χ^2 /NDF: 17282766055.4/1

- sign 0.346 $\pm$ 0.000 χ^2 /NDF: 9177659495.0/59

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 1886821.0/33

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 608235.7/24

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 2255800.8/36

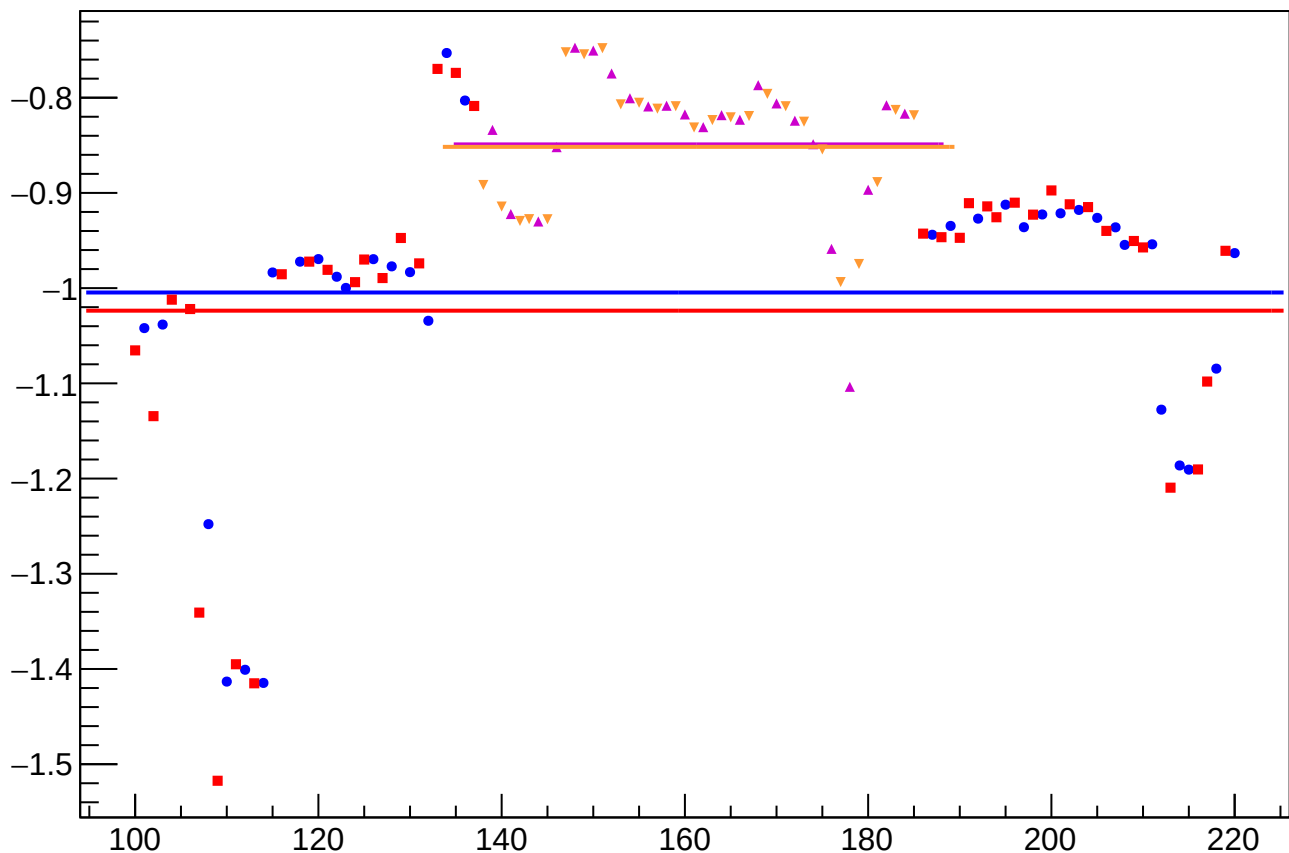
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 502226.7/22

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 2997790.6/58

All: 0.012 $\pm$ 0.000 χ^2/NDF : 6344778.5/118

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 3330754.7/59

yield_bpm4acX_mean vs Slug



Right In: -1.005 $\pm$ 0.000 χ^2 /NDF: 429350786.2/33

Left Out: -0.852 $\pm$ 0.000 χ^2 /NDF:189276591.7/24

Right Out: -1.024 $\pm$ 0.000 χ^2 /NDF: 578381828.8/36

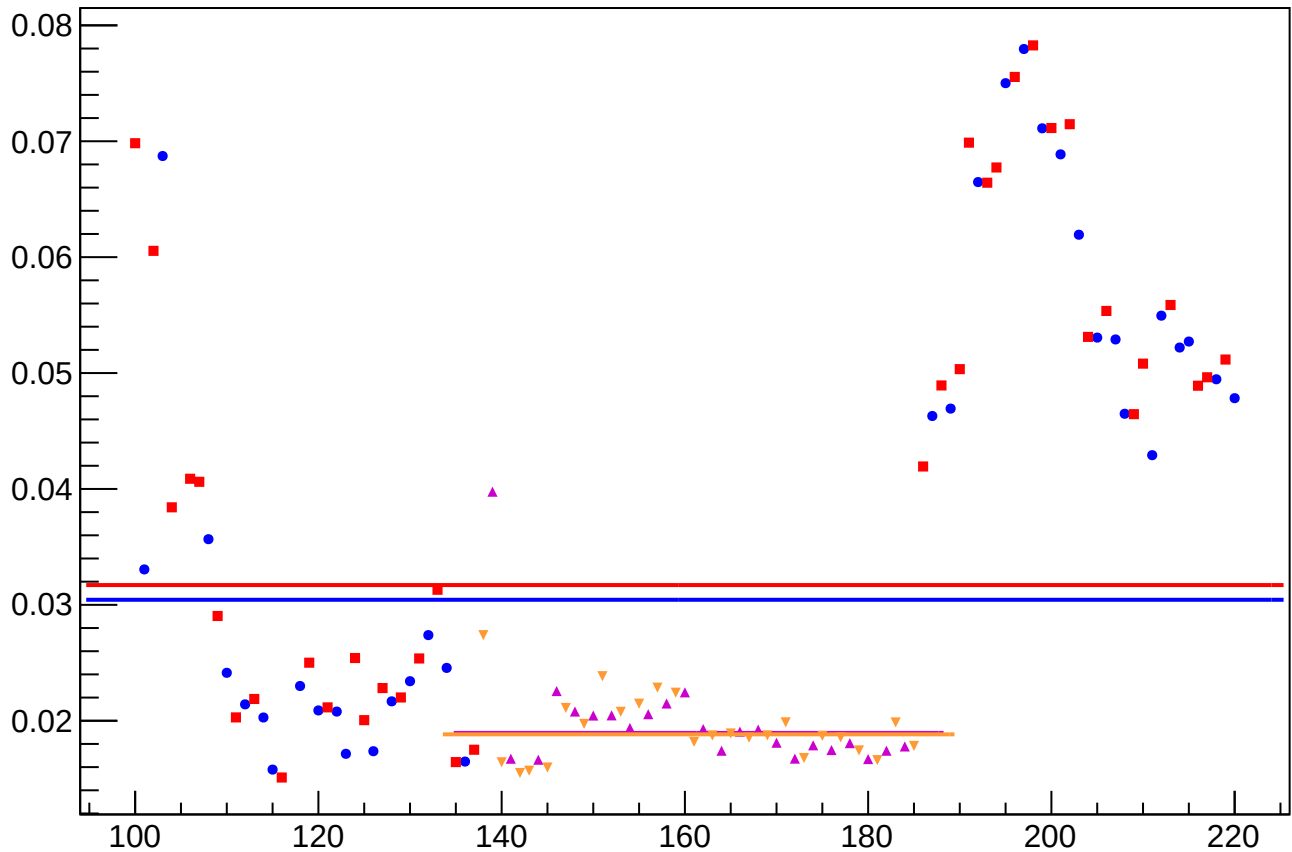
Left In: -0.849 $\pm$ 0.000 χ^2 /NDF:256438306.8/22

+ sign -0.891 $\pm$ 0.000 χ^2 /NDF: 872405246.3/58

All: -0.893 $\pm$ 0.000 χ^2 /NDF: 2022256103.3/1

- sign -0.895 $\pm$ 0.000 χ^2 /NDF: 1149437197.4/59

yield_bpm4acX_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 7916481.0/33

Left Out: 0.019+/-0.000 χ^2/NDF : 490084.5/24

Right Out: 0.032+/-0.000 χ^2/NDF : 7743411.6/36

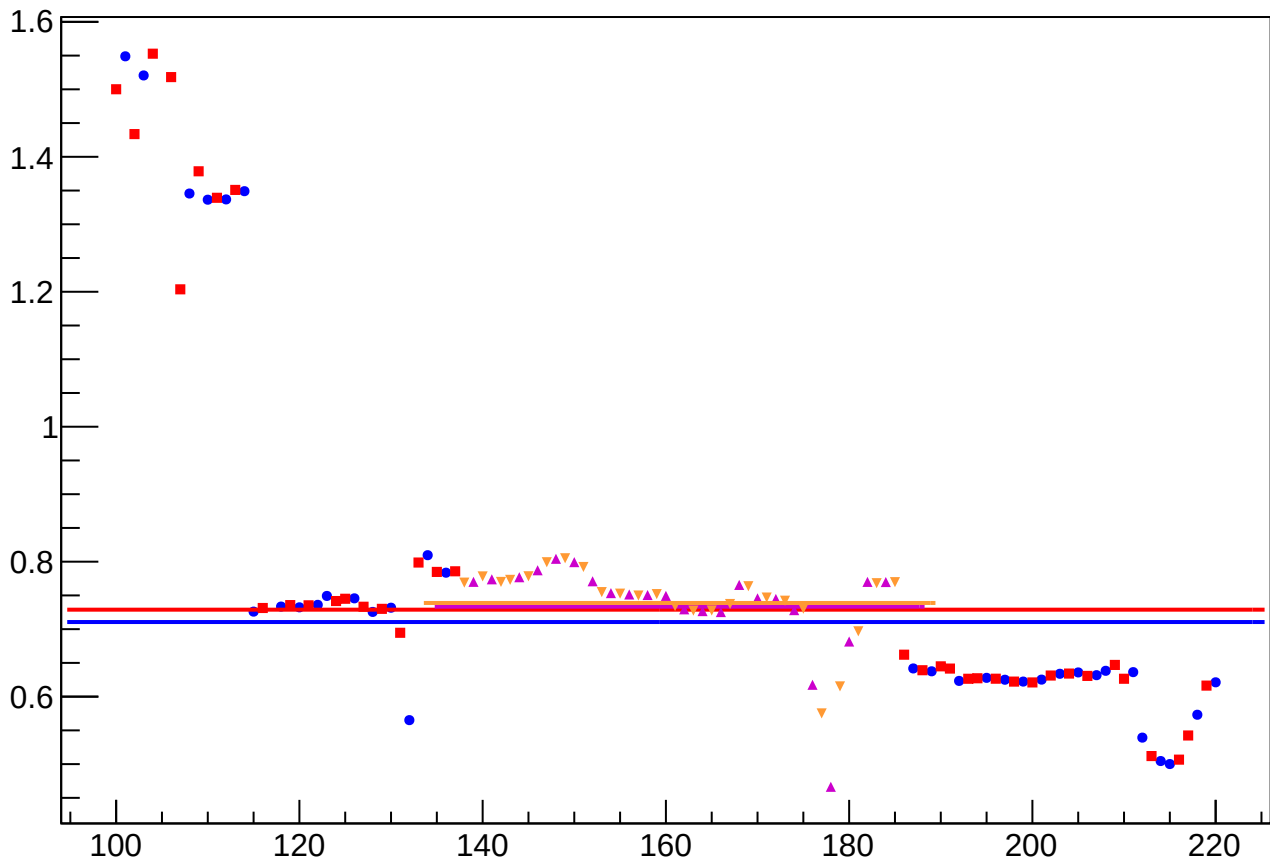
Left In: 0.019+/-0.000 χ^2/NDF : 645048.1/22

+ sign 0.022+/-0.000 χ^2/NDF : 11331495.9/58

All: 0.022+/-0.000 χ^2/NDF : 23091394.8/118

- sign 0.022+/-0.000 χ^2/NDF : 11747187.2/59

yield_bpm4acY_mean vs Slug



Right In: 0.711 $\pm$ 0.000 χ^2 /NDF: 3925481811.5/33

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333086309.0/24

Right Out: 0.729 $\pm$ 0.000 χ^2 /NDF: 4221995220.5/36

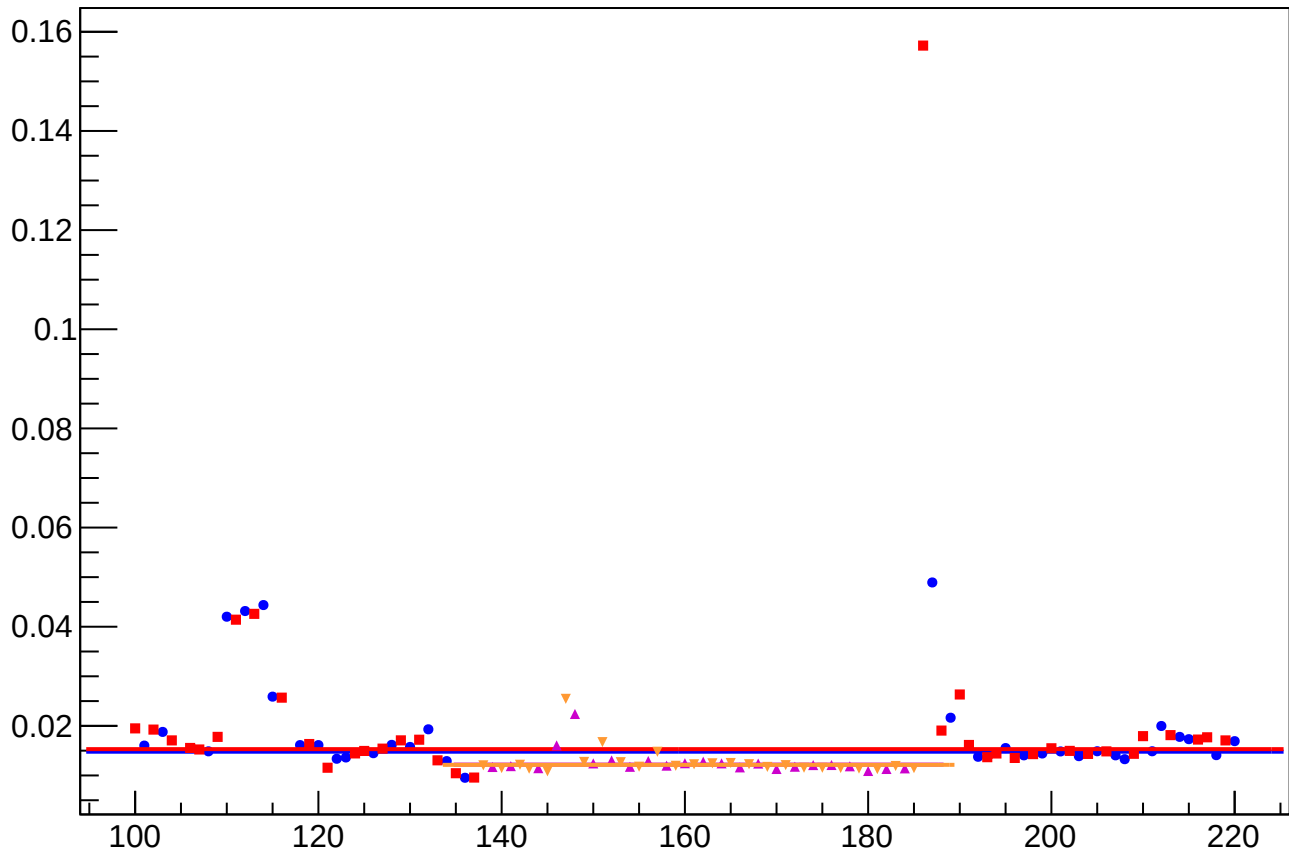
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

+ sign 0.728 $\pm$ 0.000 χ^2 /NDF: 4296379337.8/58

All: 0.730 $\pm$ 0.000 χ^2 /NDF: 9091014423.5/11

- sign 0.732 $\pm$ 0.000 χ^2 /NDF: 4793151149.2/59

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1872547.4/33

Left Out: 0.012+/-0.000 χ^2/NDF : 638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2227729.0/36

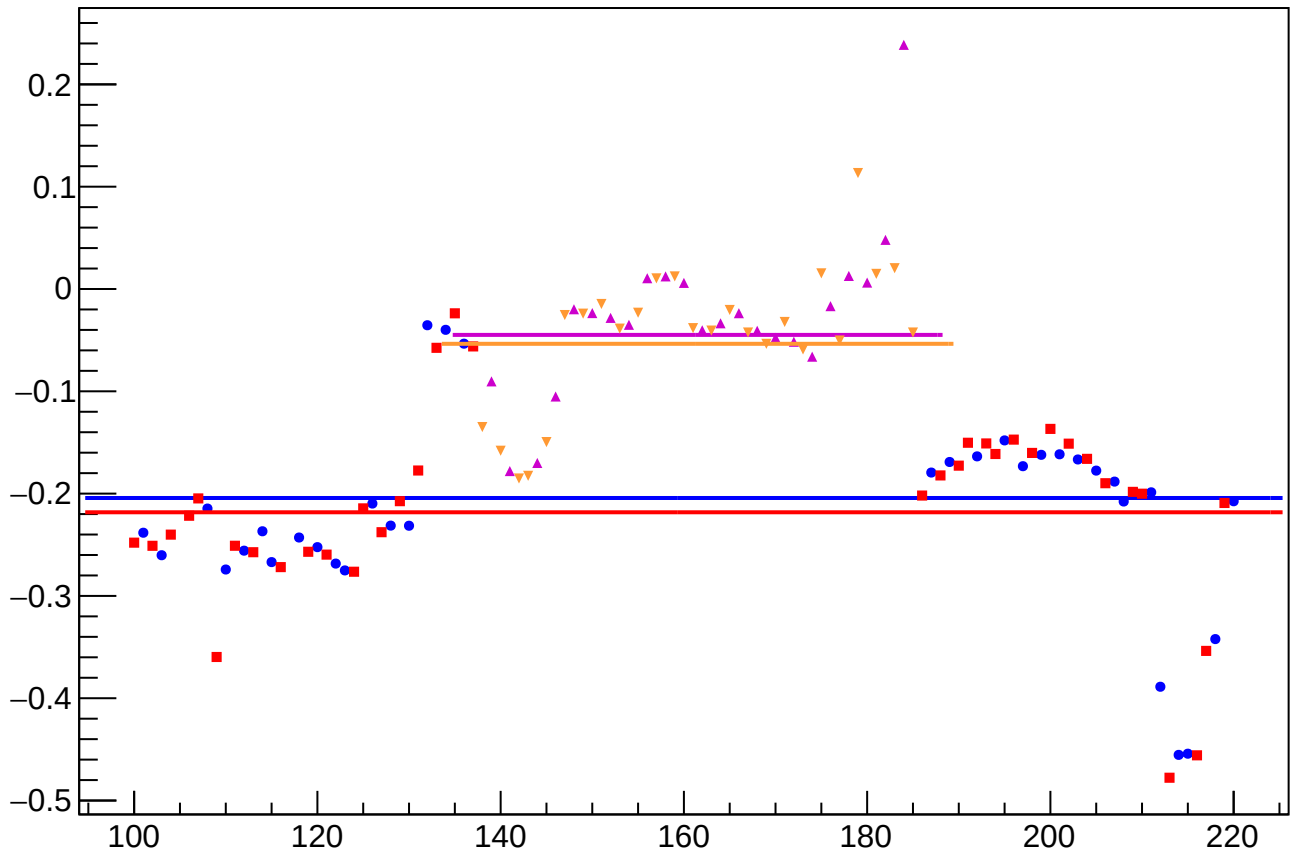
Left In: 0.012+/-0.000 χ^2/NDF : 481639.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 3175469.9/58

All: 0.013+/-0.000 χ^2/NDF : 6769596.3/118

- sign 0.013+/-0.000 χ^2/NDF : 3583045.7/59

yield_bpm4ecX_mean vs Slug



Right In: -0.204+/-0.000 χ^2/NDF : 160311648.8/33

Left Out: -0.054+/-0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.218+/-0.000 χ^2/NDF : 155523978.7/36

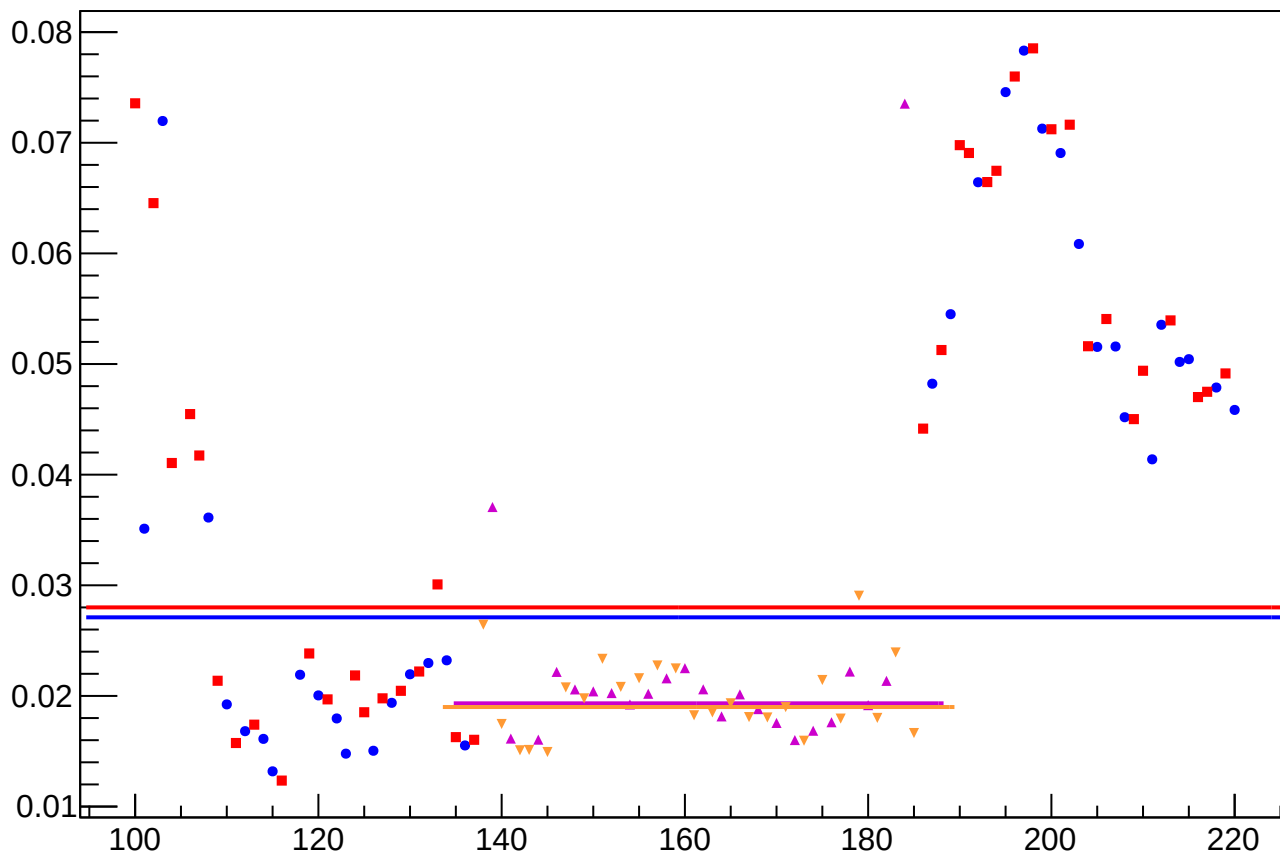
Left In: -0.045+/-0.000 χ^2/NDF : 127324000.1/22

+ sign -0.099+/-0.000 χ^2/NDF : 605869901.3/58

All: -0.099+/-0.000 χ^2/NDF : 1237527162.9/1

- sign -0.099+/-0.000 χ^2/NDF : 631656150.0/59

yield_bpm4ecX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9329398.4/33

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 699267.5/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9526207.5/36

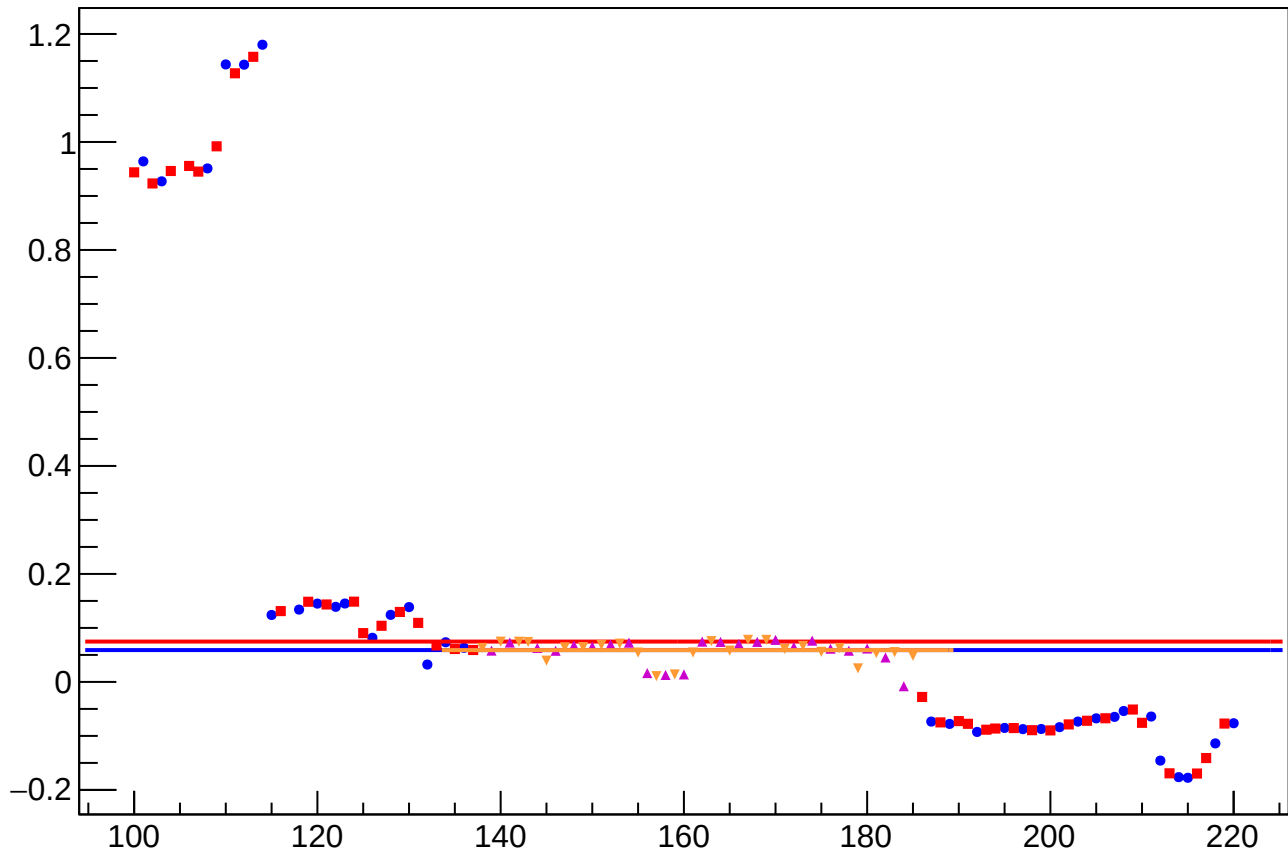
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 892810.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11635903.9/58

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 23819977.9/118

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12164702.7/59

yield_bpm4ecY_mean vs Slug



Right In: 0.059 $\pm$ 0.000 χ^2 /NDF: 8850766836.9/33

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:46902918.4/24

Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 9721322184.9/36

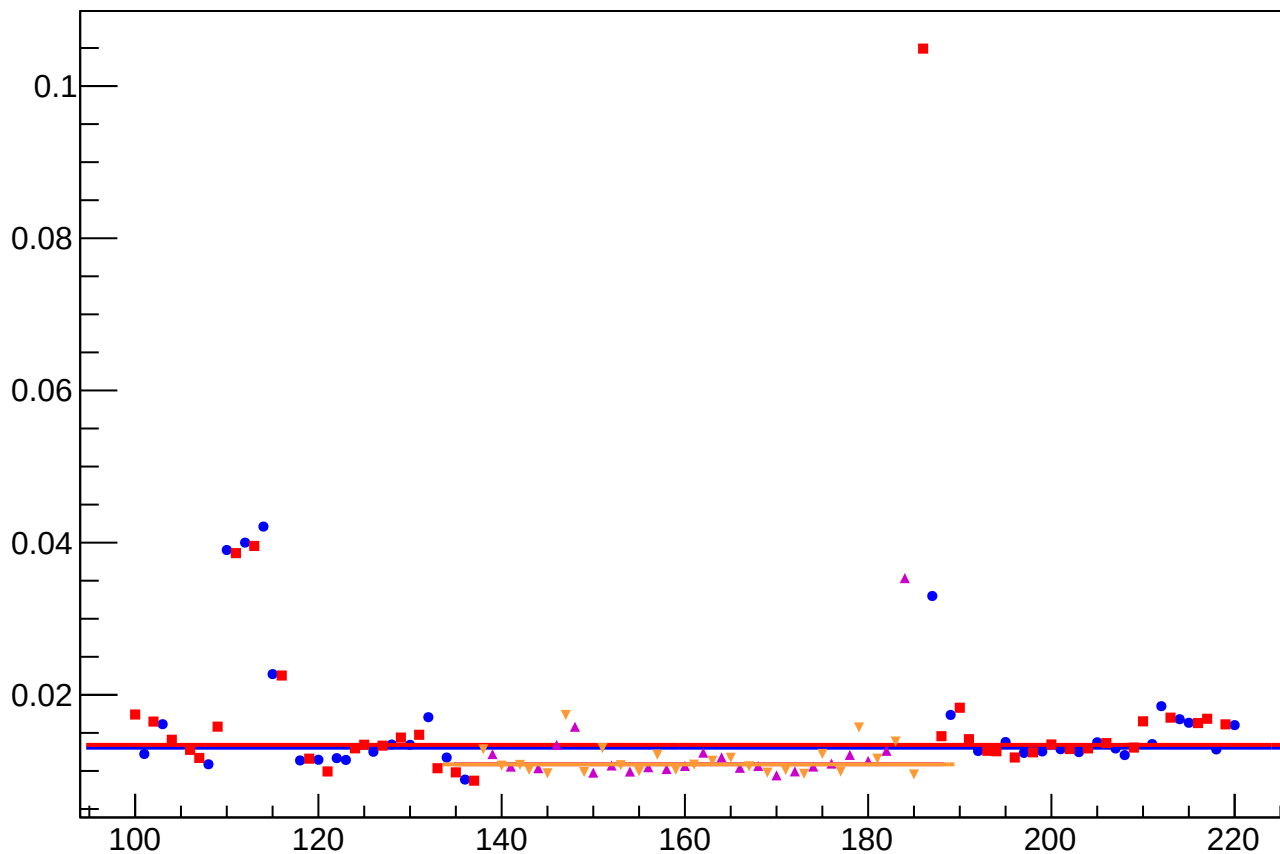
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF:58640898.5/22

+ sign 0.059 $\pm$ 0.000 χ^2 /NDF: 8897670130.2/58

All: 0.062 $\pm$ 0.000 χ^2 /NDF: 18696654899.1/100

- sign 0.066 $\pm$ 0.000 χ^2 /NDF: 9793644006.0/59

yield_bpm4ecY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 1838523.9/33

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 2196452.6/36

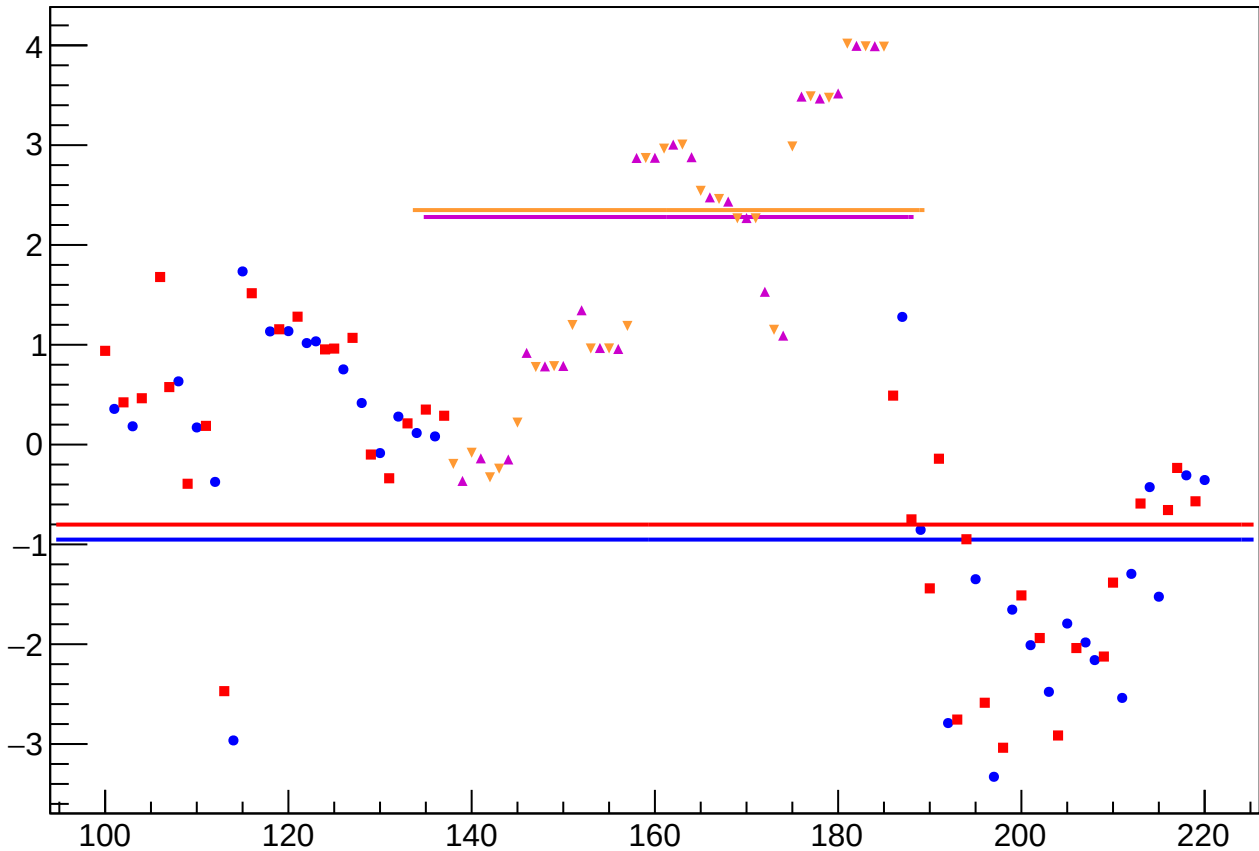
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 529867.3/22

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 3013865.7/58

All: 0.012 $\pm$ 0.000 χ^2/NDF : 6474445.6/118

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 3453317.0/59

yield_bpm1X_mean vs Slug



Right In: -0.952 ± 0.000 χ^2/NDF : 8130254026.0/33

Left Out: 2.349 ± 0.000 χ^2/NDF : 63600066268.3/24

Right Out: -0.802 ± 0.000 χ^2/NDF : 8301494693.5/36

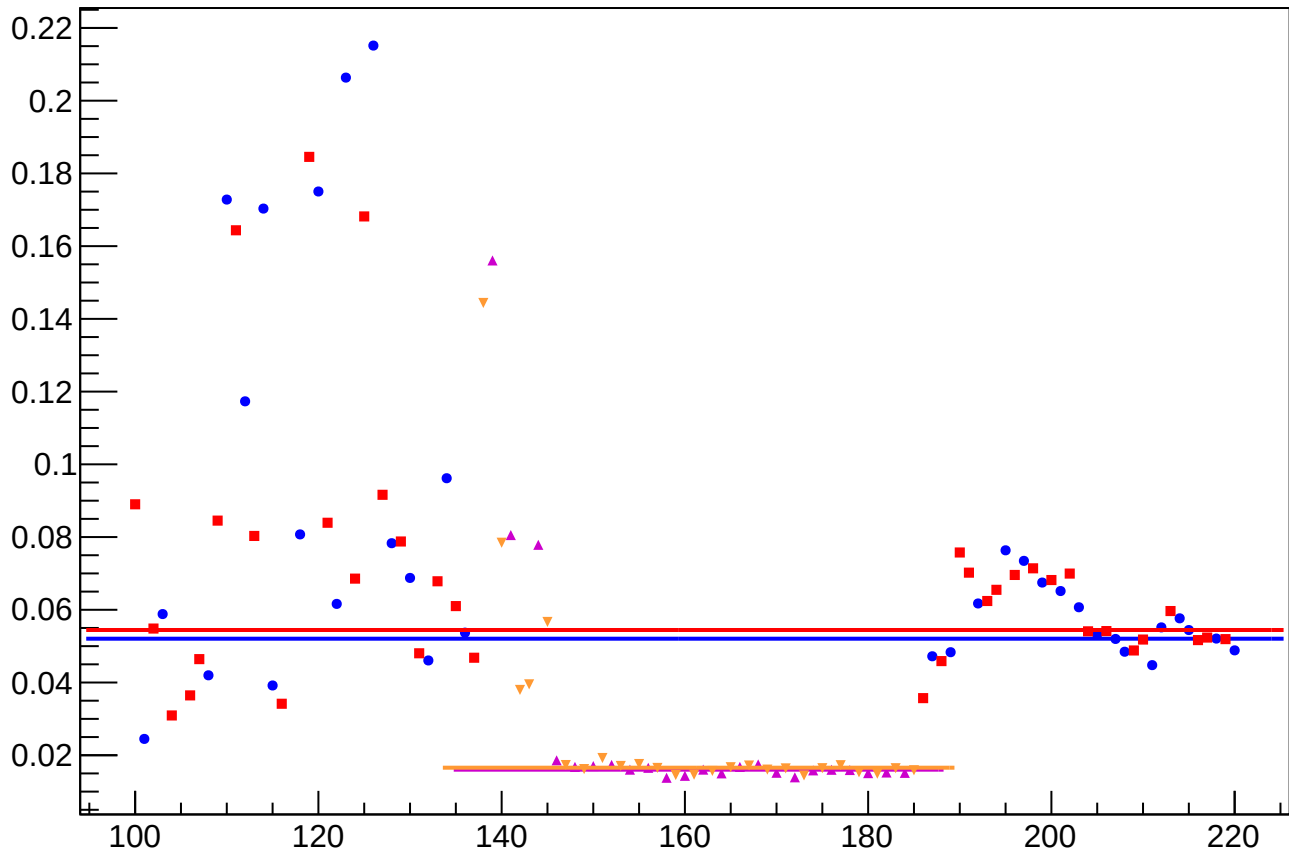
Left In: 2.280 ± 0.000 χ^2/NDF : 61444254541.3/22

+ sign 2.030 ± 0.000 χ^2/NDF : 125708064460.5/58

All: 2.014 ± 0.000 χ^2/NDF : 240778912692.2

- sign 1.999 ± 0.000 χ^2/NDF : 115043299866.9/59

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3533006.6/33

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 2885644.2/36

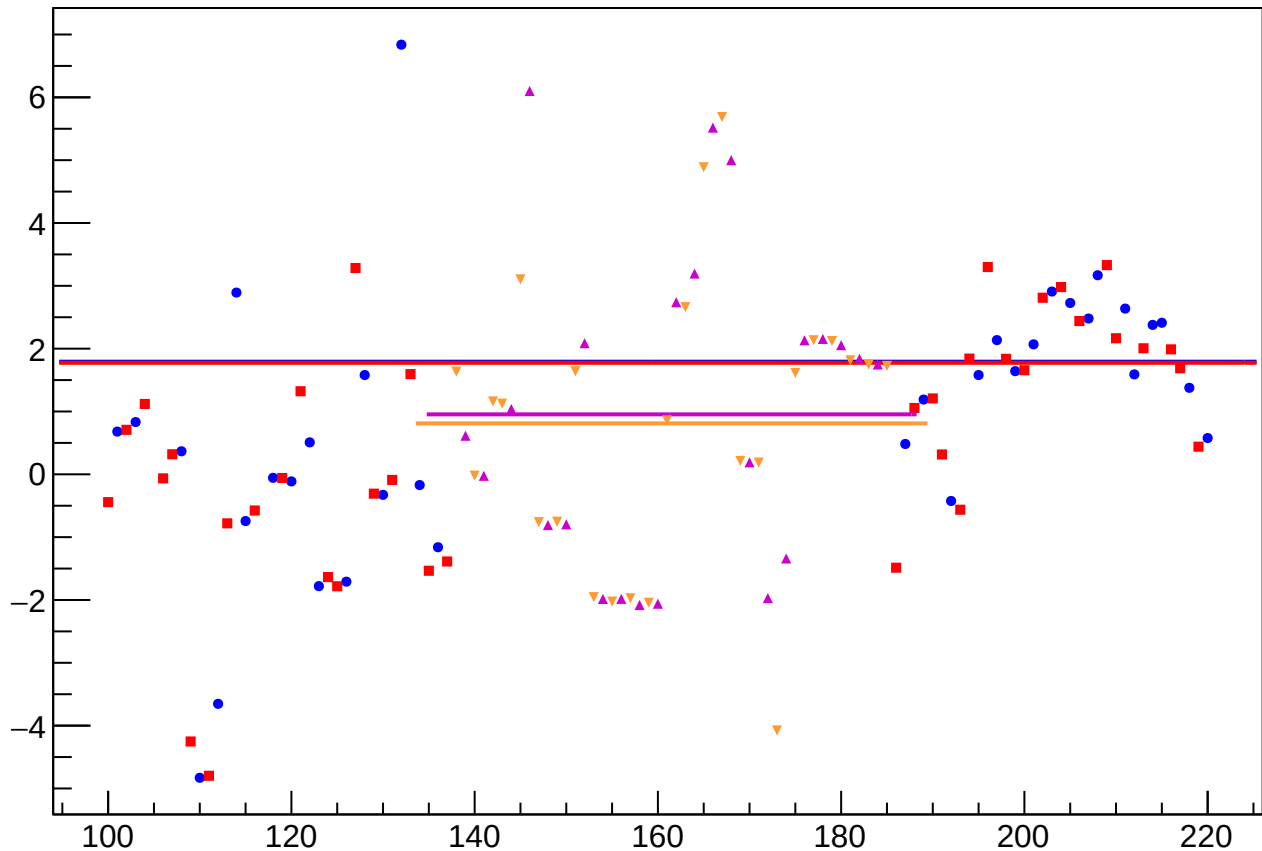
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 18620182.7/58

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 38058905.2/118

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 19425981.1/59

yield_bpm1Y_mean vs Slug



Right In: 1.793+/-0.000 χ^2/NDF : 43962096060.6/33

Left Out: 0.810+/-0.000 χ^2/NDF : 507583198570.2/24

Right Out: 1.775+/-0.000 χ^2/NDF : 43877243693.8/36

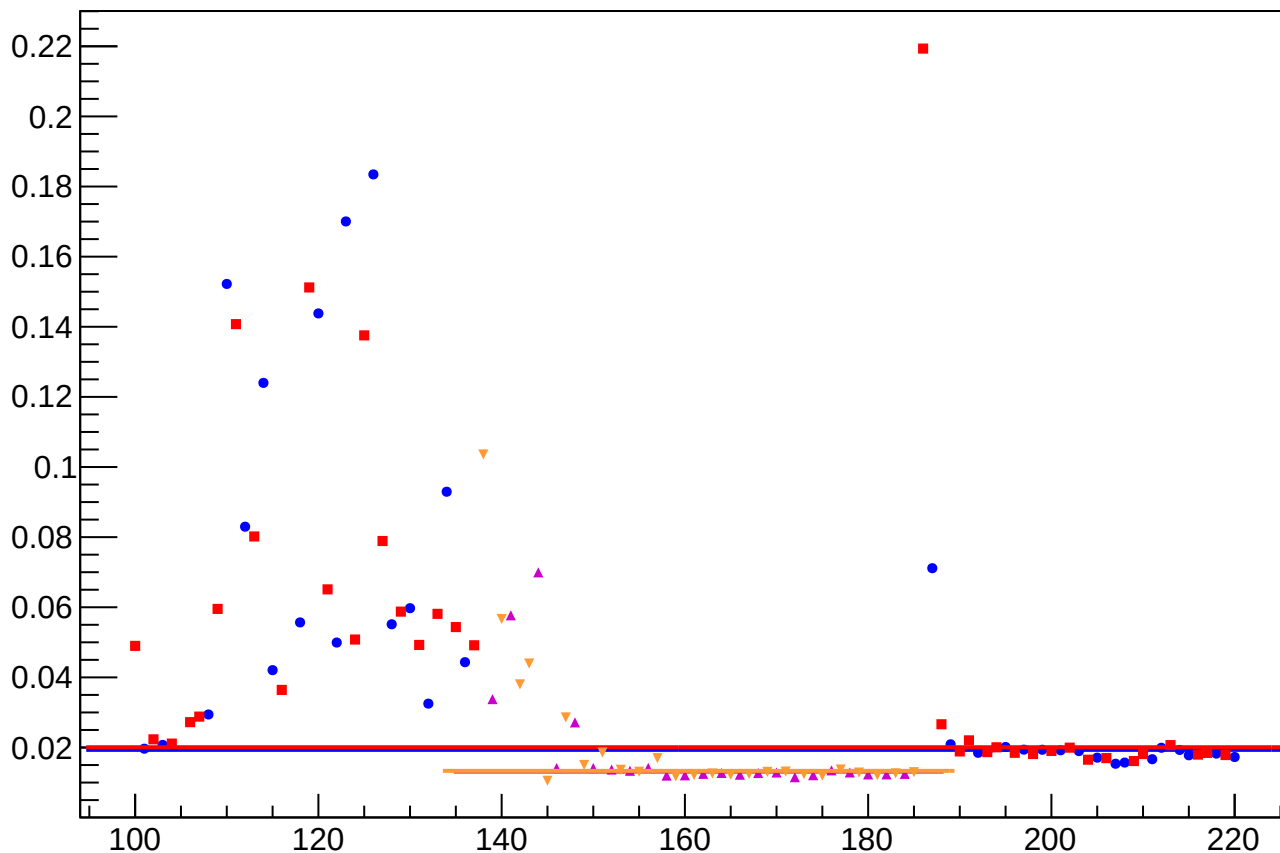
Left In: 0.954+/-0.000 χ^2/NDF : 574792794608.3/22

+ sign 1.103+/-0.000 χ^2/NDF : 576002695309.5/58

All: 1.145+/-0.000 χ^2/NDF : 1211460706888.

- sign 1.187+/-0.000 χ^2/NDF : 635032372475.0/59

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 4155091.5/33

Left Out: 0.013+/-0.000 χ^2/NDF :2829070.5/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5227376.3/36

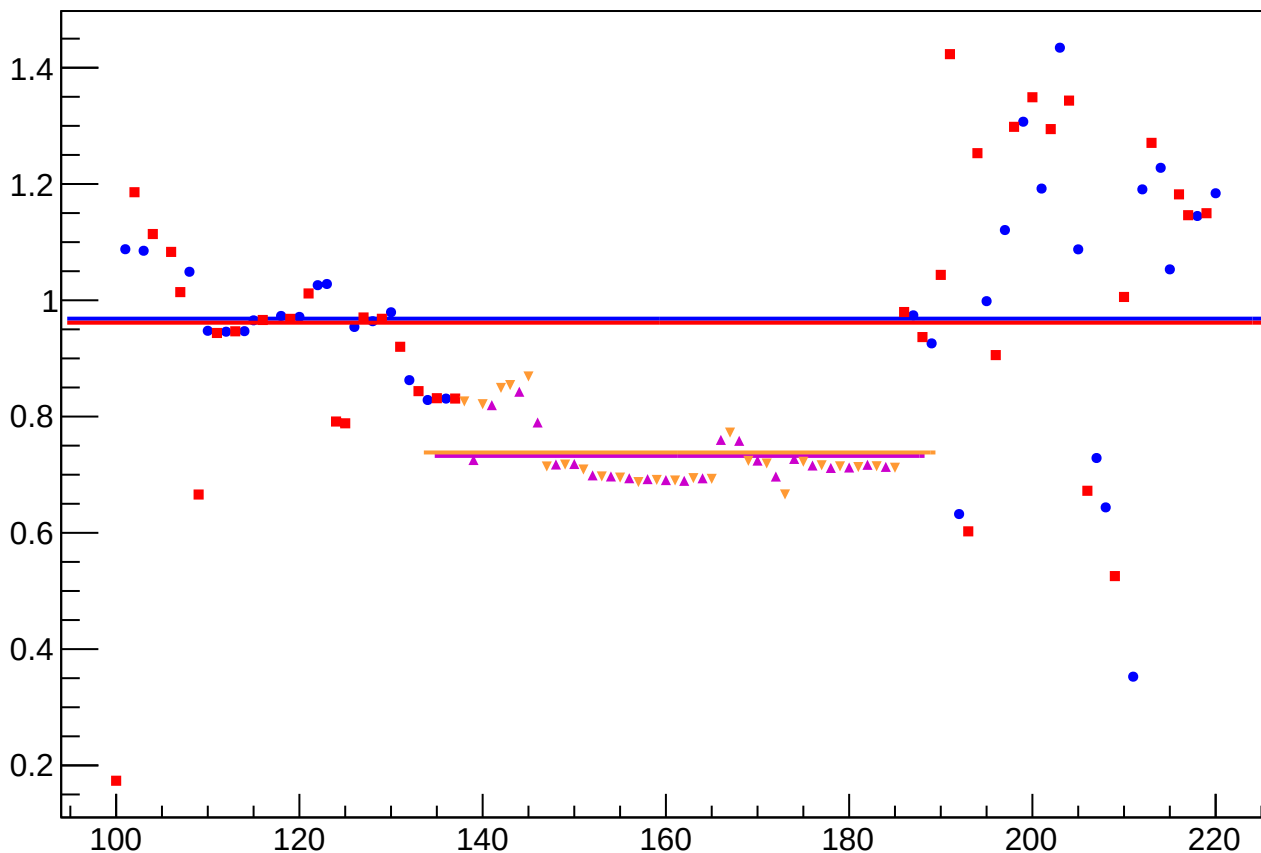
Left In: 0.013+/-0.000 χ^2/NDF :1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8802905.1/58

All: 0.015+/-0.000 χ^2/NDF : 18338230.5/118

- sign 0.015+/-0.000 χ^2/NDF : 9535267.9/59

yield_bpm11X_mean vs Slug



Right In: 0.968 $\pm$ 0.000 χ^2 /NDF: 1083545177.9/33

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310610047.7/24

Right Out: 0.961 $\pm$ 0.000 χ^2 /NDF: 1319906774.3/36

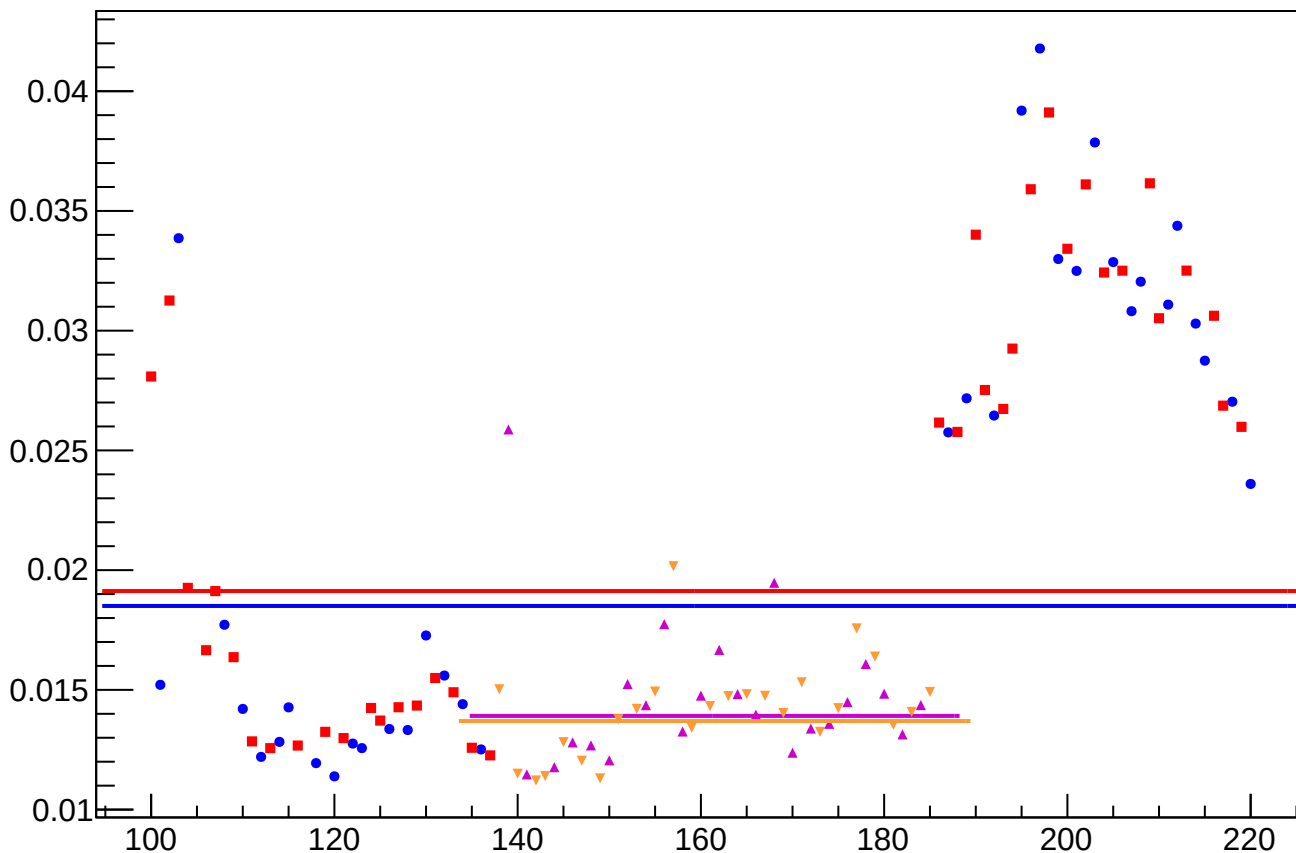
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

+ sign 0.814 $\pm$ 0.000 χ^2 /NDF: 2902161280.5/58

All: 0.812 $\pm$ 0.000 χ^2 /NDF: 5836413035.9/11

- sign 0.811 $\pm$ 0.000 χ^2 /NDF: 2933562503.1/59

yield_bpm11X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 5799834.3/33

Left Out: 0.014+/-0.000 χ^2/NDF : 530851.9/24

Right Out: 0.019+/-0.000 χ^2/NDF : 5243127.1/36

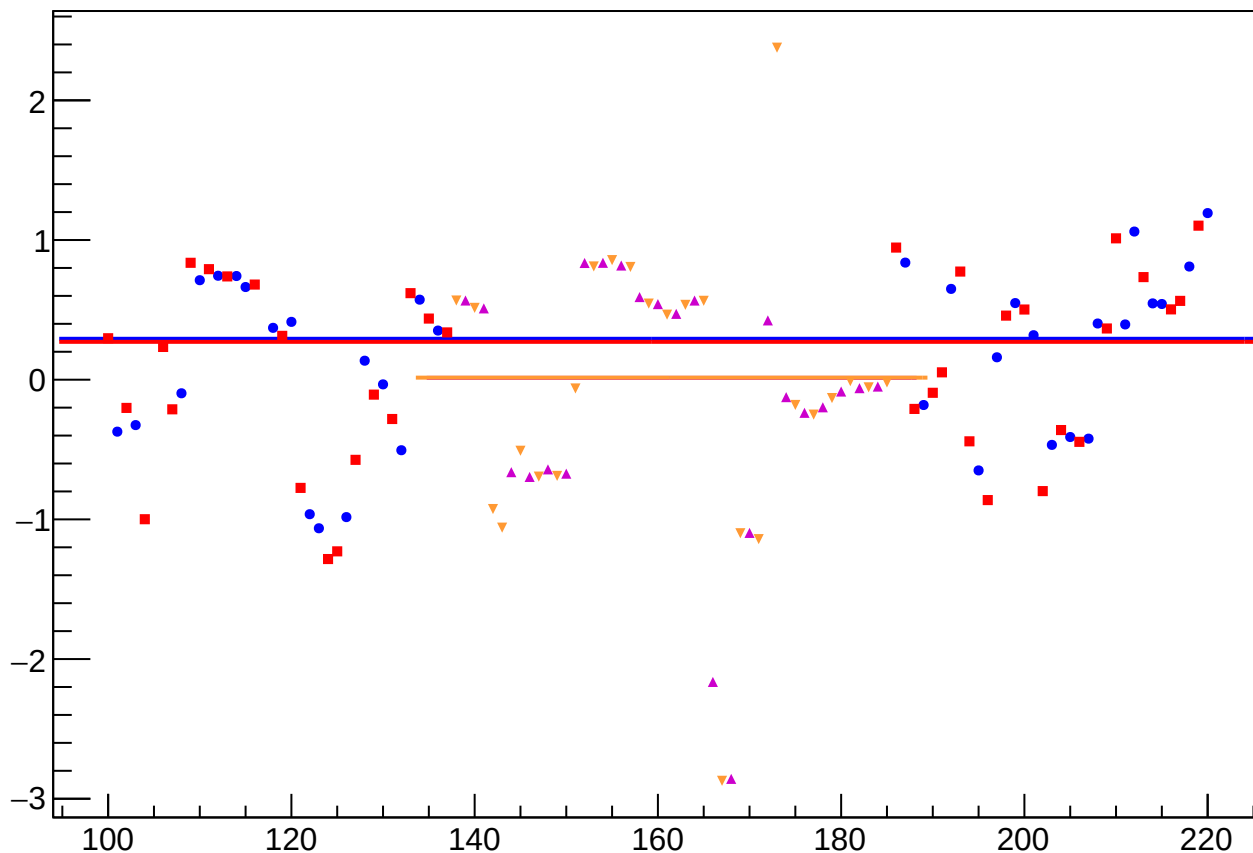
Left In: 0.014+/-0.000 χ^2/NDF : 794558.0/22

+ sign 0.015+/-0.000 χ^2/NDF : 7645877.7/58

All: 0.015+/-0.000 χ^2/NDF : 15200329.2/118

- sign 0.016+/-0.000 χ^2/NDF : 7532741.0/59

yield_bpm11Y_mean vs Slug



Right In: 0.293+/-0.000 χ^2/NDF : 44193016749.6/33

Left Out: 0.015+/-0.000 χ^2/NDF :96087835995.8/24

Right Out: 0.271+/-0.000 χ^2/NDF : 50298648609.4/36

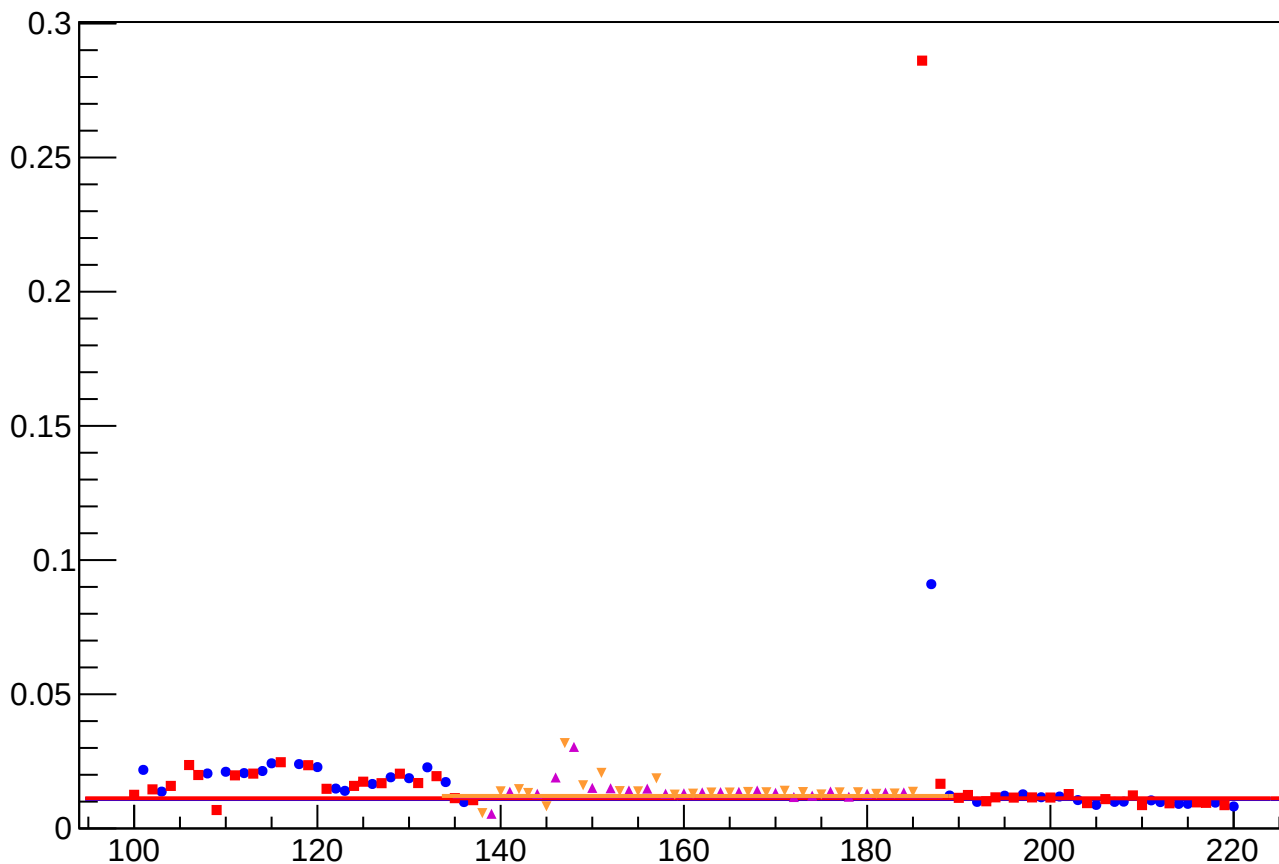
Left In: 0.013+/-0.000 χ^2/NDF :79445696658.6/22

+ sign 0.166+/-0.000 χ^2/NDF : 144898401451.3/58

All: 0.160+/-0.000 χ^2/NDF : 278516602131.2

- sign 0.153+/-0.000 χ^2/NDF : 133597692517.7/59

yield_bpm11Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2815649.7/33

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 3227827.5/36

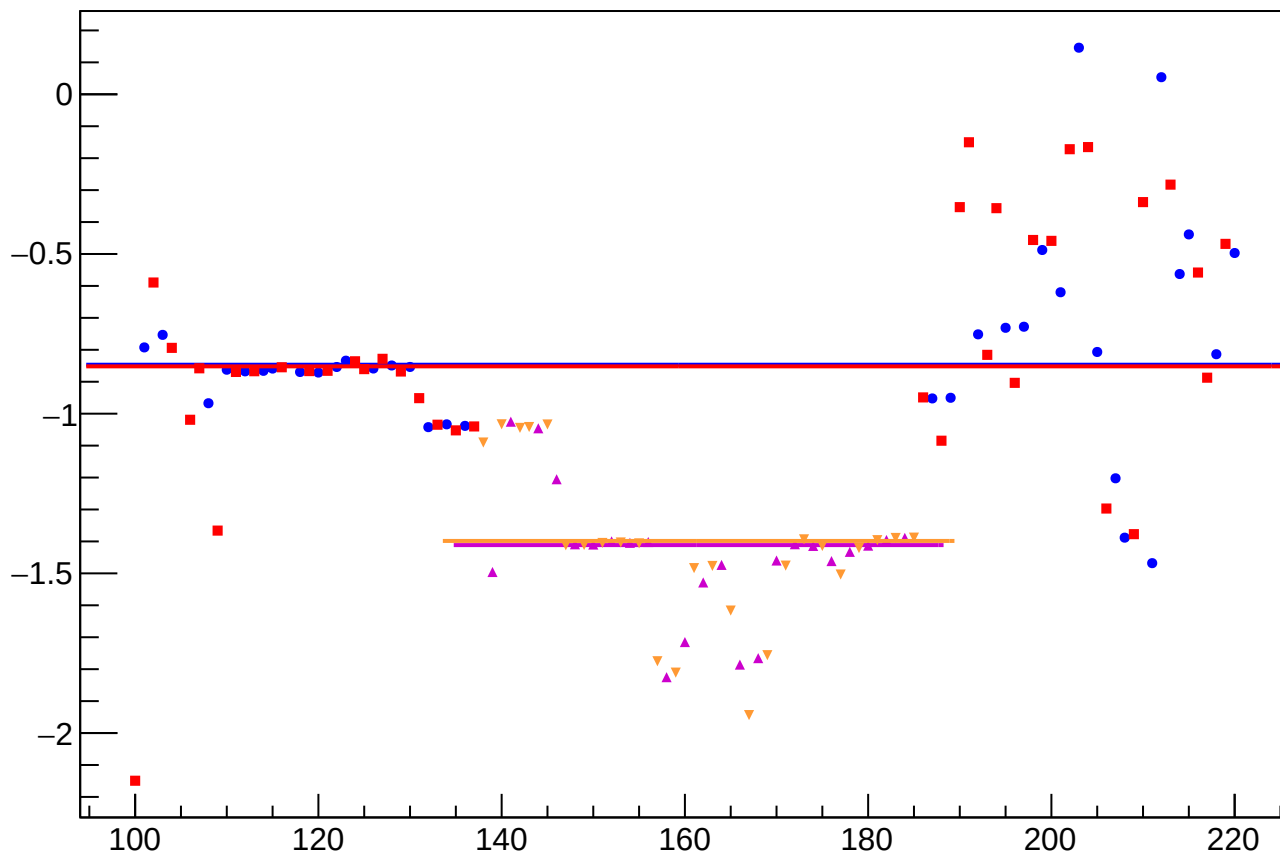
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 6079044.1/58

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 12468736.8/118

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 6388835.4/59

yield_bpm12X_mean vs Slug



Right In: -0.847 ± 0.000 χ^2/NDF : 397690783.6/33

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.852 ± 0.000 χ^2/NDF : 517950056.4/36

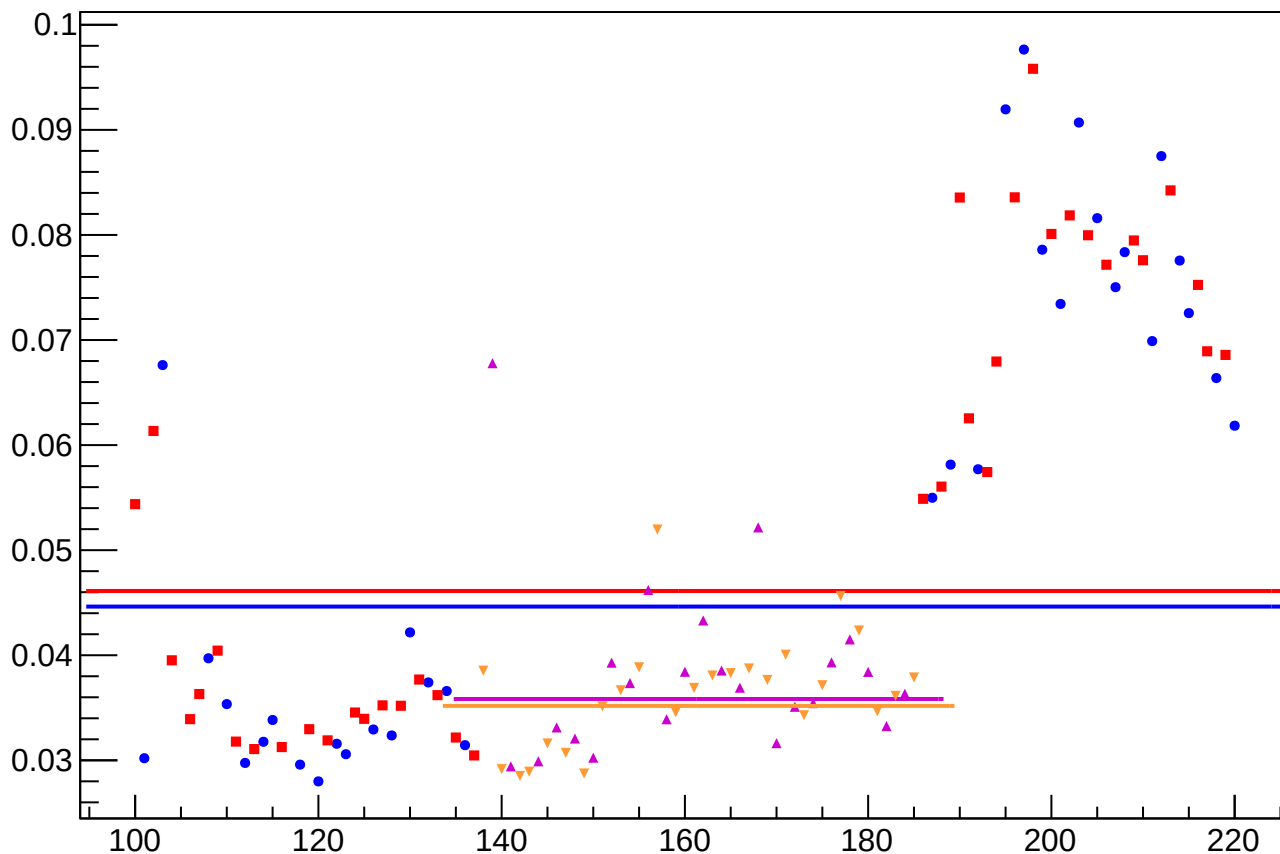
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.198 ± 0.000 χ^2/NDF : 2569164797.9/58

All: -1.199 ± 0.000 χ^2/NDF : 5019115030.8/1

- sign -1.200 ± 0.000 χ^2/NDF : 2449915822.2/59

yield_bpm12X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 5672752.0/33

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.046 $\pm$ 0.000 χ^2 /NDF: 4917536.1/36

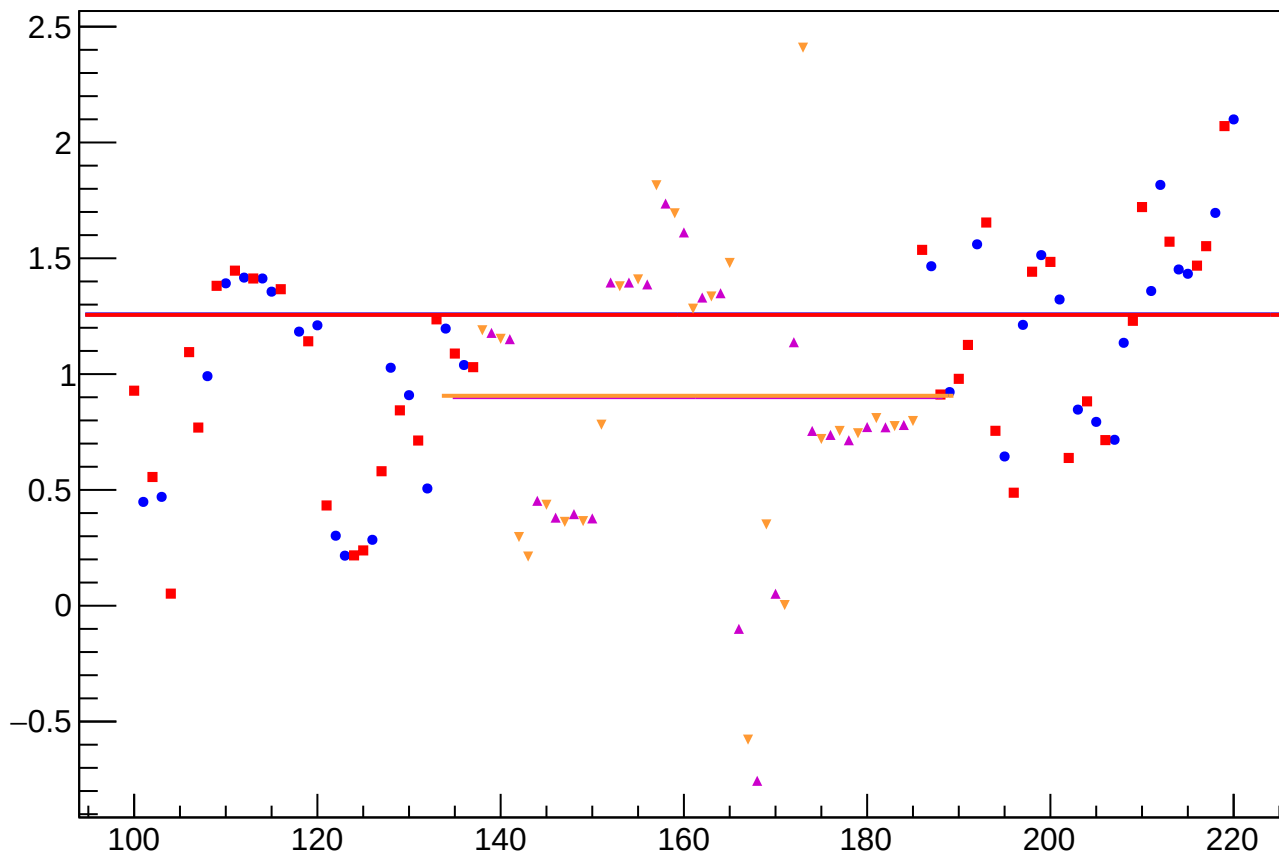
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.039 $\pm$ 0.000 χ^2 /NDF: 7114020.2/58

All: 0.039 $\pm$ 0.000 χ^2 /NDF: 13904750.4/118

- sign 0.040 $\pm$ 0.000 χ^2 /NDF: 6766300.6/59

yield_bpm12Y_mean vs Slug



Right In: 1.258 $\pm$ 0.000 χ^2 /NDF: 74666933363.4/33

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 1.256 $\pm$ 0.000 χ^2 /NDF: 71628392872.4/36

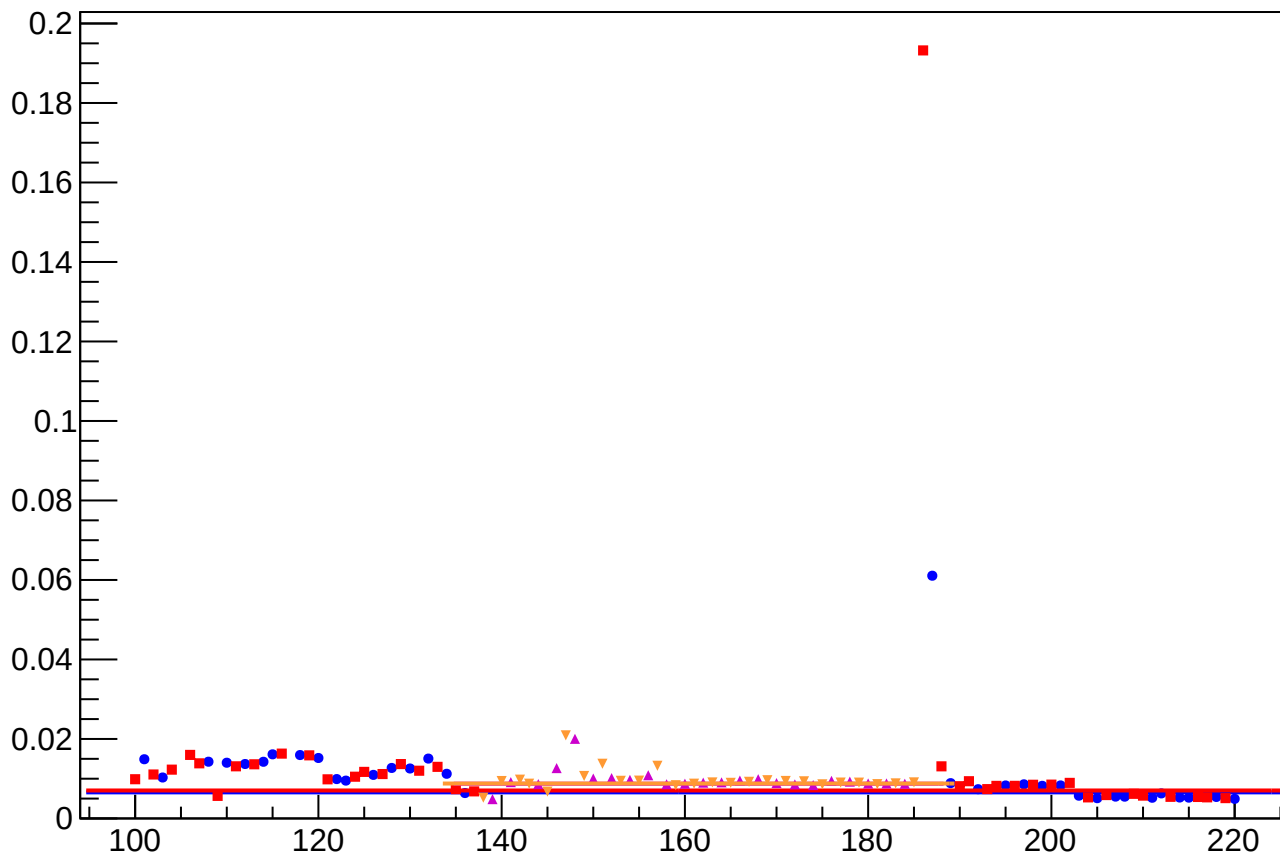
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 1.126 $\pm$ 0.000 χ^2 /NDF: 175651210279.8/58

All: 1.121 $\pm$ 0.000 χ^2 /NDF: 330151476877.3

- sign 1.116 $\pm$ 0.000 χ^2 /NDF: 154474411674.7/59

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 3983599.3/33

Left Out: 0.009+/-0.000 χ^2/NDF :1698526.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4326799.0/36

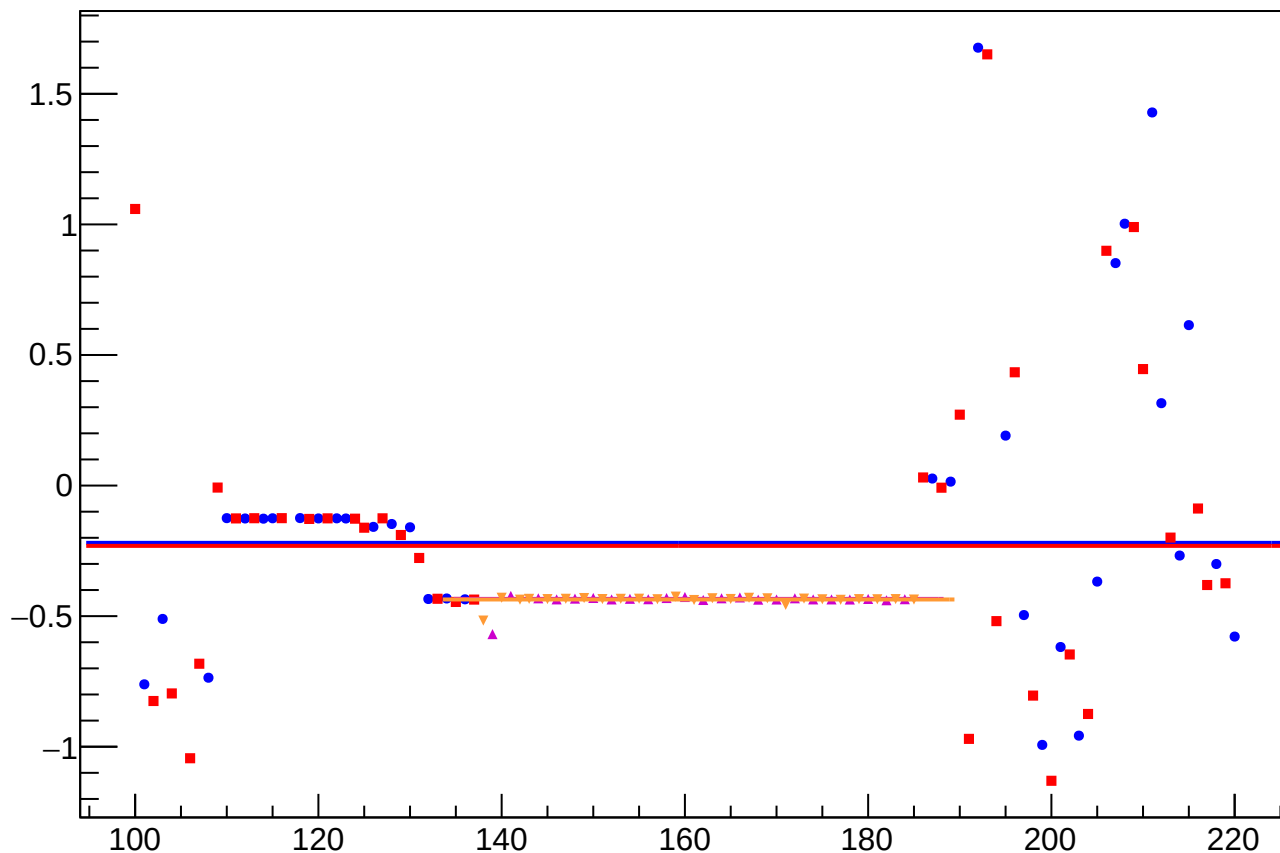
Left In: 0.009+/-0.000 χ^2/NDF :1669983.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 7031277.6/58

All: 0.008+/-0.000 χ^2/NDF : 13807124.6/118

- sign 0.008+/-0.000 χ^2/NDF : 6722793.7/59

yield_bpm16X_mean vs Slug



Right In: -0.219 ± 0.000 $\chi^2/\text{NDF}: 5047056658.3/33$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28776503.9/24$

Right Out: -0.231 ± 0.000 $\chi^2/\text{NDF}: 3439646750.0/36$

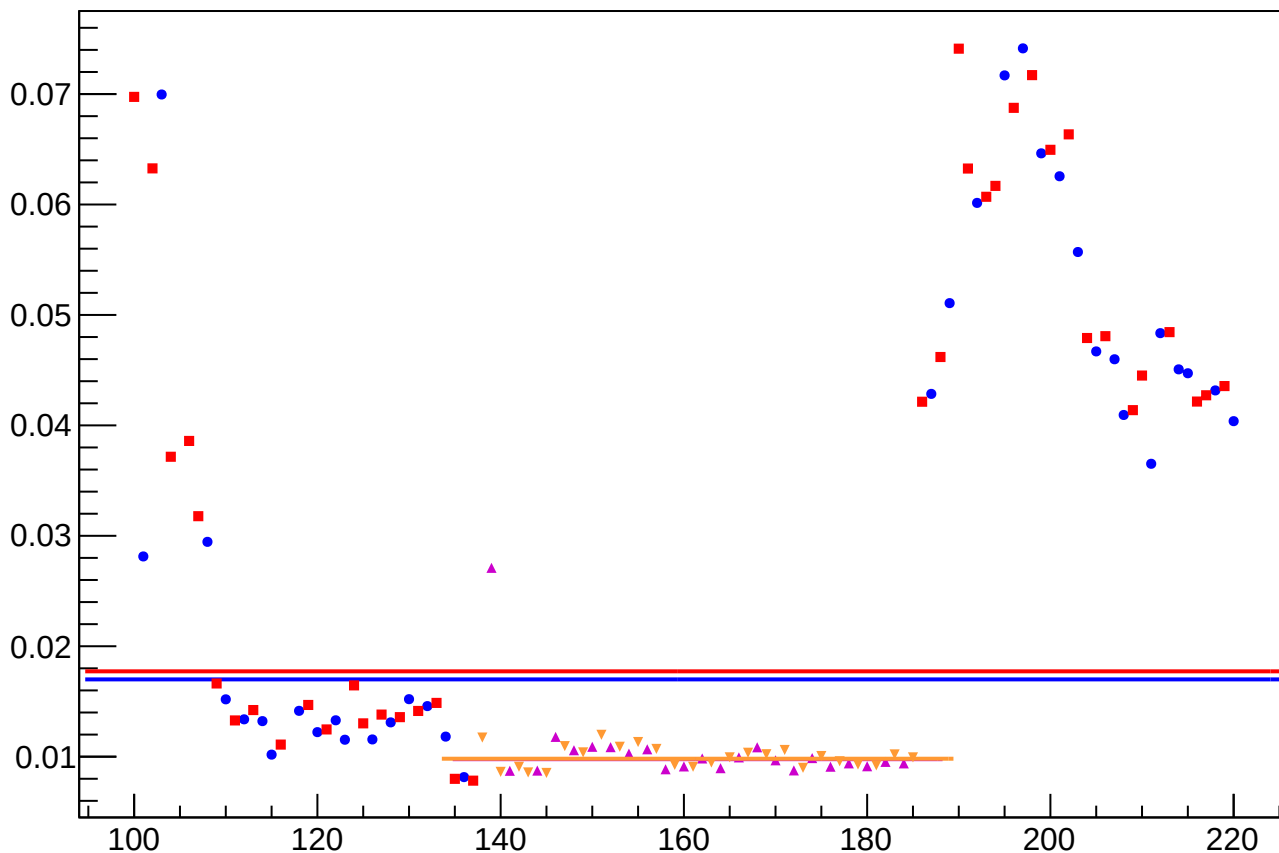
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 20164730.3/22$

+ sign -0.396 ± 0.000 $\chi^2/\text{NDF}: 6475169147.0/58$

All: -0.397 ± 0.000 $\chi^2/\text{NDF}: 11093670321.7$

- sign -0.397 ± 0.000 $\chi^2/\text{NDF}: 4618492604.5/59$

yield_bpm16X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 13640508.3/33

Left Out: 0.010+/-0.000 χ^2/NDF : 271172.3/24

Right Out: 0.018+/-0.000 χ^2/NDF : 13840087.9/36

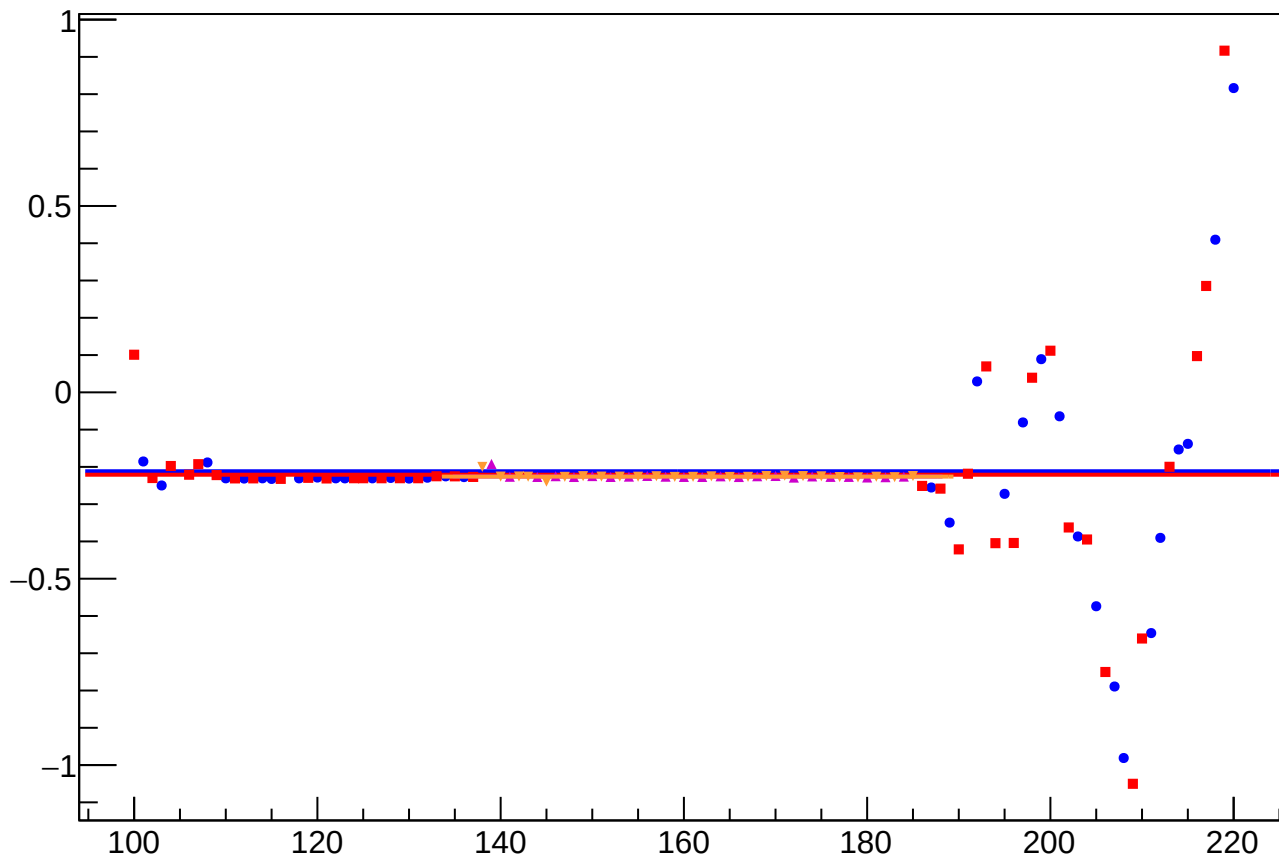
Left In: 0.010+/-0.000 χ^2/NDF : 786577.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 16983315.2/58

All: 0.011+/-0.000 χ^2/NDF : 35167628.4/118

- sign 0.011+/-0.000 χ^2/NDF : 18182396.5/59

yield_bpm16Y_mean vs Slug



Right In: -0.212 ± 0.000 $\chi^2/\text{NDF}: 48006318568.2/33$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21207366.3/24$

Right Out: -0.221 ± 0.000 $\chi^2/\text{NDF}: 46860873277.3/36$

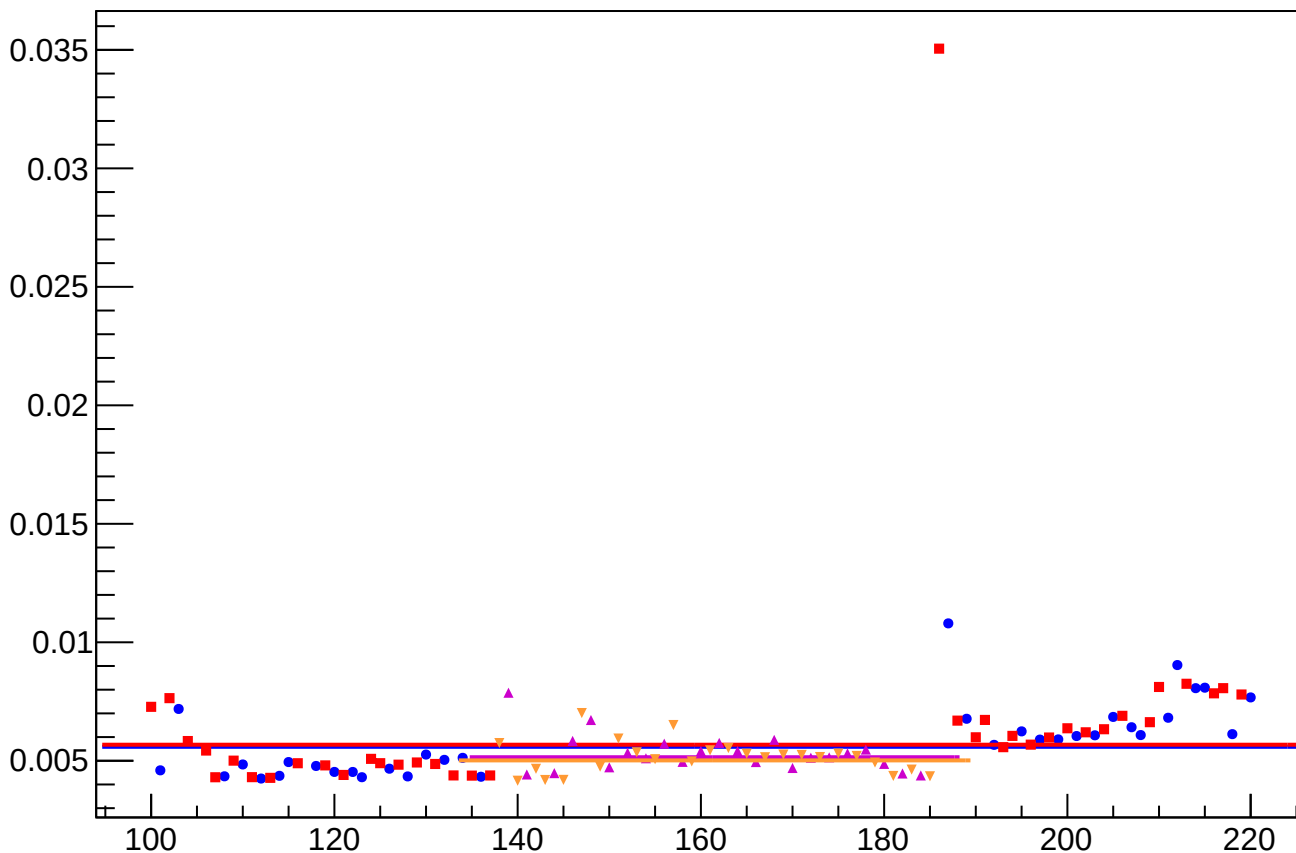
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 13717302.5/22$

+ sign -0.220 ± 0.000 $\chi^2/\text{NDF}: 48089499089.1/58$

All: -0.222 ± 0.000 $\chi^2/\text{NDF}: 94979269516.0/117$

- sign -0.224 ± 0.000 $\chi^2/\text{NDF}: 46881035474.3/59$

yield_bpm16Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1489006.1/33

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:532623.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1980348.1/36

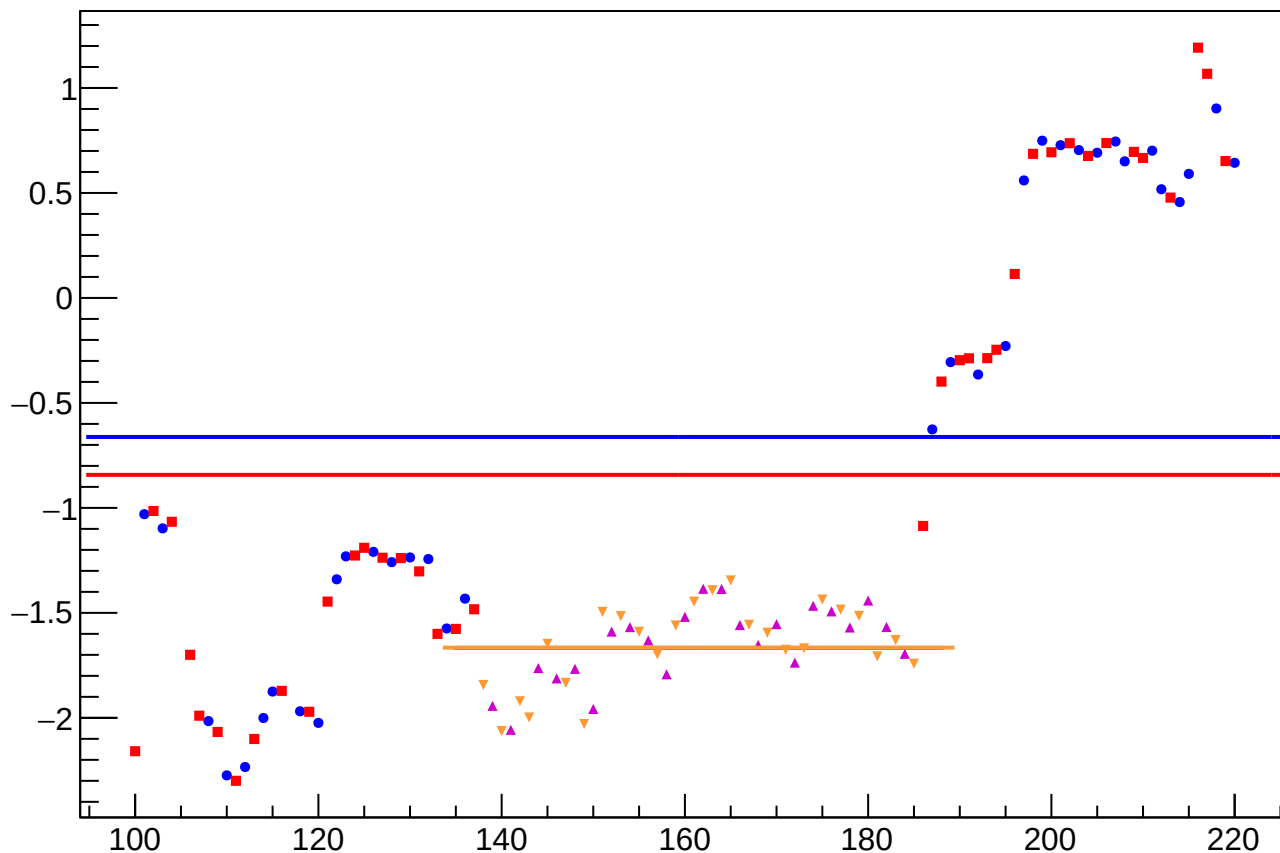
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:504040.6/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2221378.7/58

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 4885476.3/118

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2645170.4/59

yield_bpm0l01X_mean vs Slug



Right In: -0.662+/-0.000 χ^2/NDF : 265437333915.3/33

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -0.843+/-0.000 χ^2/NDF : 302214633765.0/36

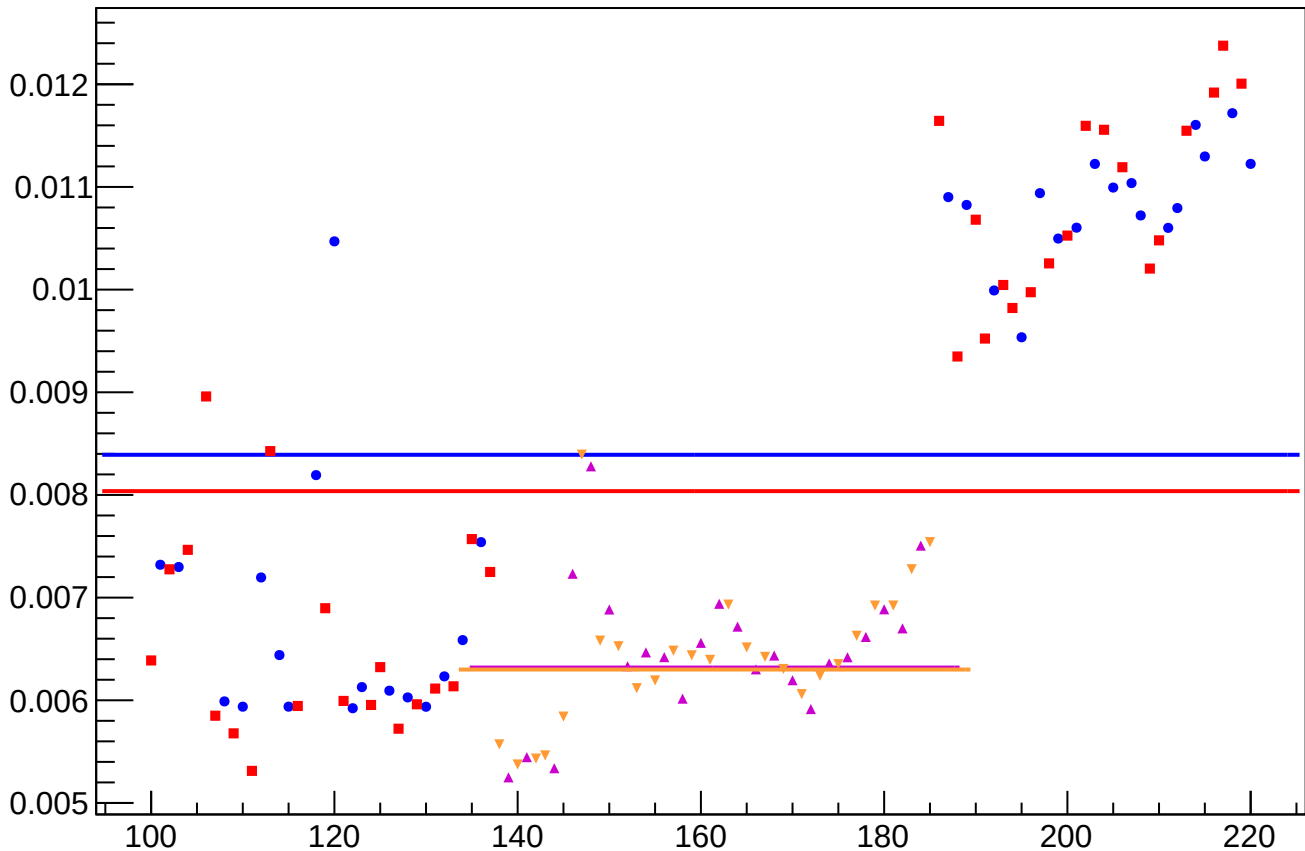
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.311+/-0.000 χ^2/NDF : 440902073694.6/58

All: -1.327+/-0.000 χ^2/NDF : 868757399884.2

- sign -1.342+/-0.000 χ^2/NDF : 427525428510.5/59

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2316361.4/33

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2775244.2/36

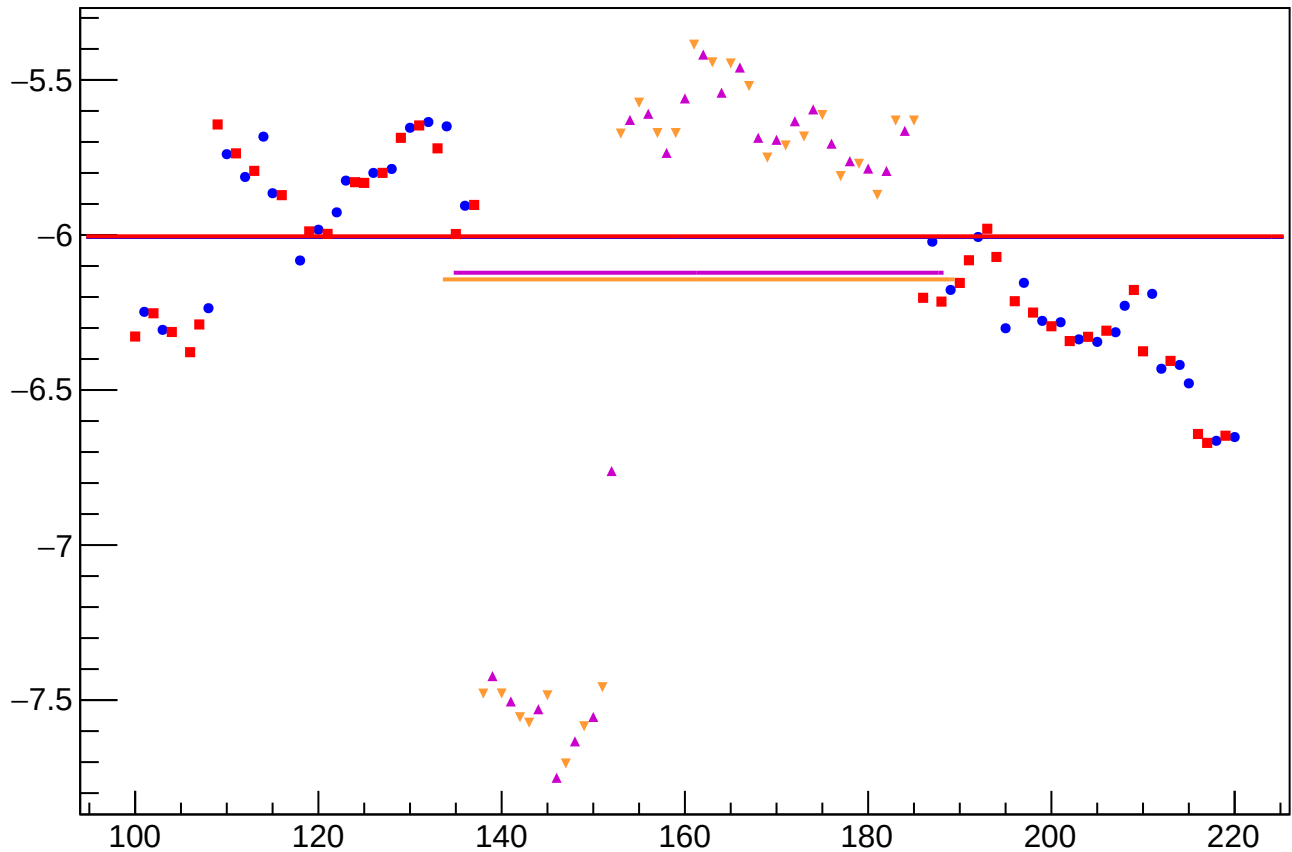
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 3994403.5/58

All: 0.007+/-0.000 χ^2/NDF : 8067722.0/118

- sign 0.007+/-0.000 χ^2/NDF : 4072073.2/59

yield_bpm0l01Y_mean vs Slug



Right In: -6.006+/-0.000 χ^2 /NDF: 20864930290.0/33

Left Out: -6.143+/-0.000 χ^2 /NDF:185721259239.3/24

Right Out: -6.004+/-0.000 χ^2 /NDF: 22171013094.8/36

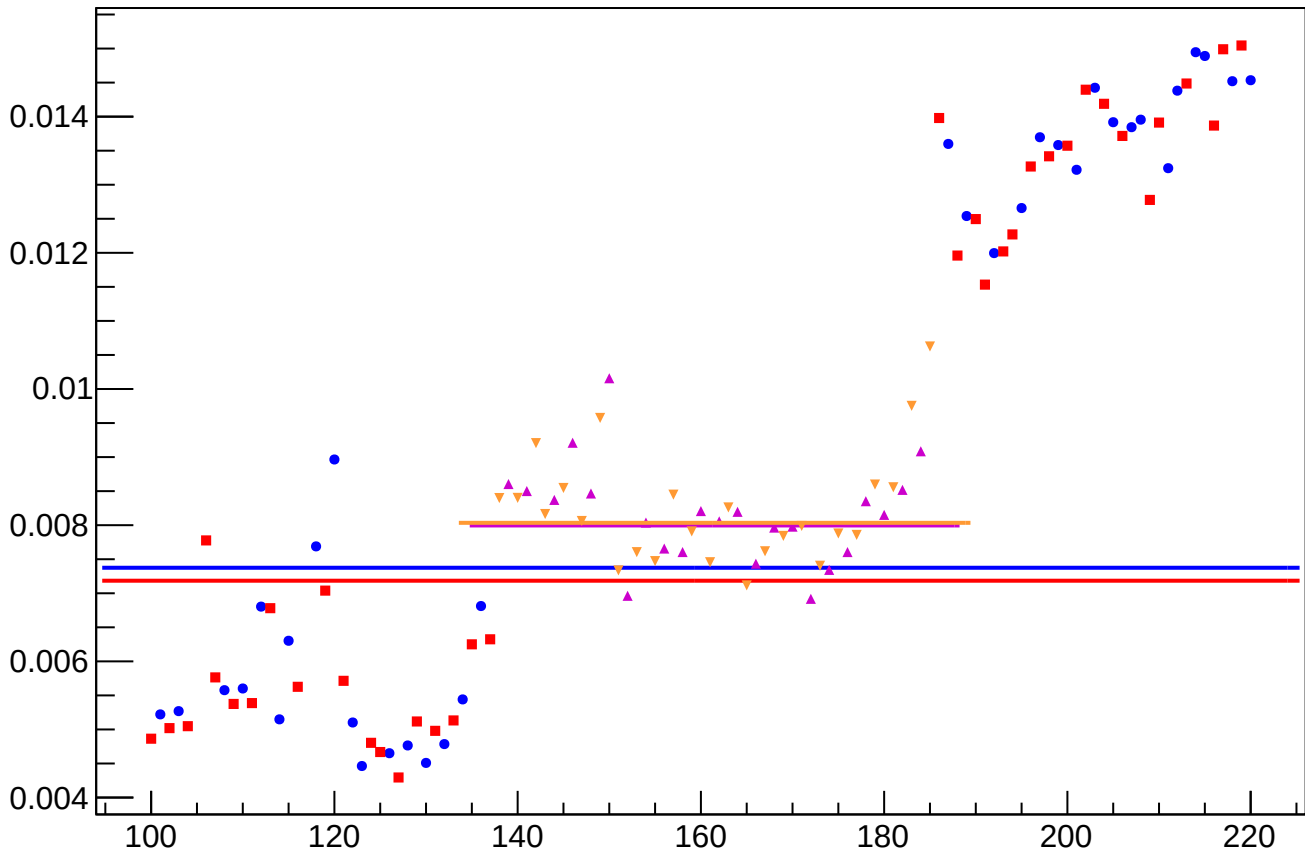
Left In: -6.122+/-0.000 χ^2 /NDF:159909473006.6/22

+ sign -6.074+/-0.000 χ^2 /NDF: 209031586891.7/58

All: -6.066+/-0.000 χ^2 /NDF: 393021422986.0

- sign -6.059+/-0.000 χ^2 /NDF: 183927453369.4/59

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 7070512.9/33

Left Out: 0.008+/-0.000 χ^2/NDF :205976.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 6980077.6/36

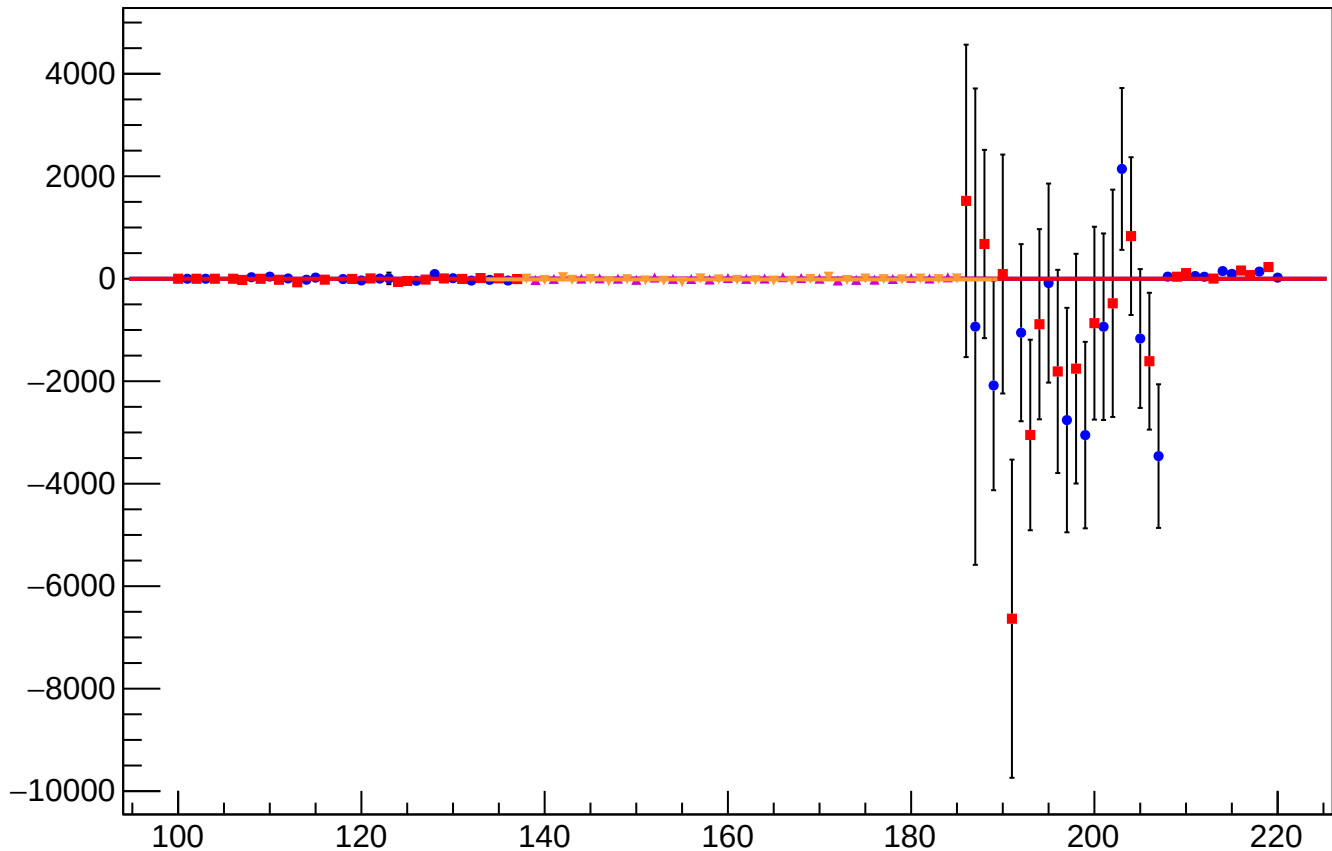
Left In: 0.008+/-0.000 χ^2/NDF :220203.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 7390240.2/58

All: 0.008+/-0.000 χ^2/NDF : 14777330.4/118

- sign 0.008+/-0.000 χ^2/NDF : 7376592.3/59

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 57.2/33

Left Out: -13.472 ± 2.796 χ^2/NDF : 58.5/24

Right Out: 0.003 ± 0.016 χ^2/NDF : 63.4/36

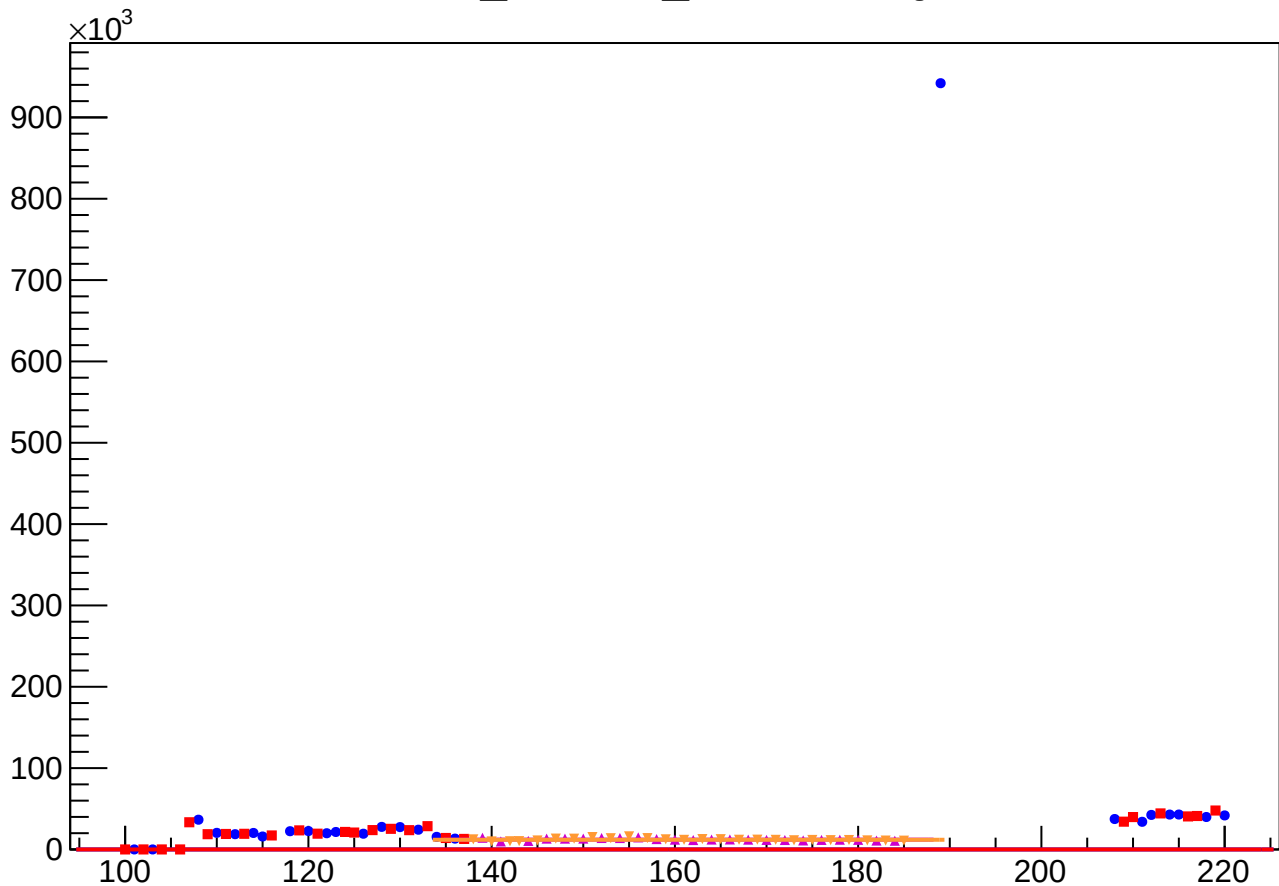
Left In: -0.489 ± 2.905 χ^2/NDF : 28.7/22

+ sign 0.013 ± 0.017 χ^2/NDF : 138.9/58

All: 0.008 ± 0.012 χ^2/NDF : 231.2/118

- sign 0.003 ± 0.016 χ^2/NDF : 92.1/59

diff_cav4bX_rms vs Slug



Right In: 18.679+/-0.012 χ^2/NDF : 21308649.7/24

Left Out: 11909.835+/-1.977 χ^2/NDF : 475310.2/24

Right Out: 18.339+/-0.011 χ^2/NDF : 19897528.6/24

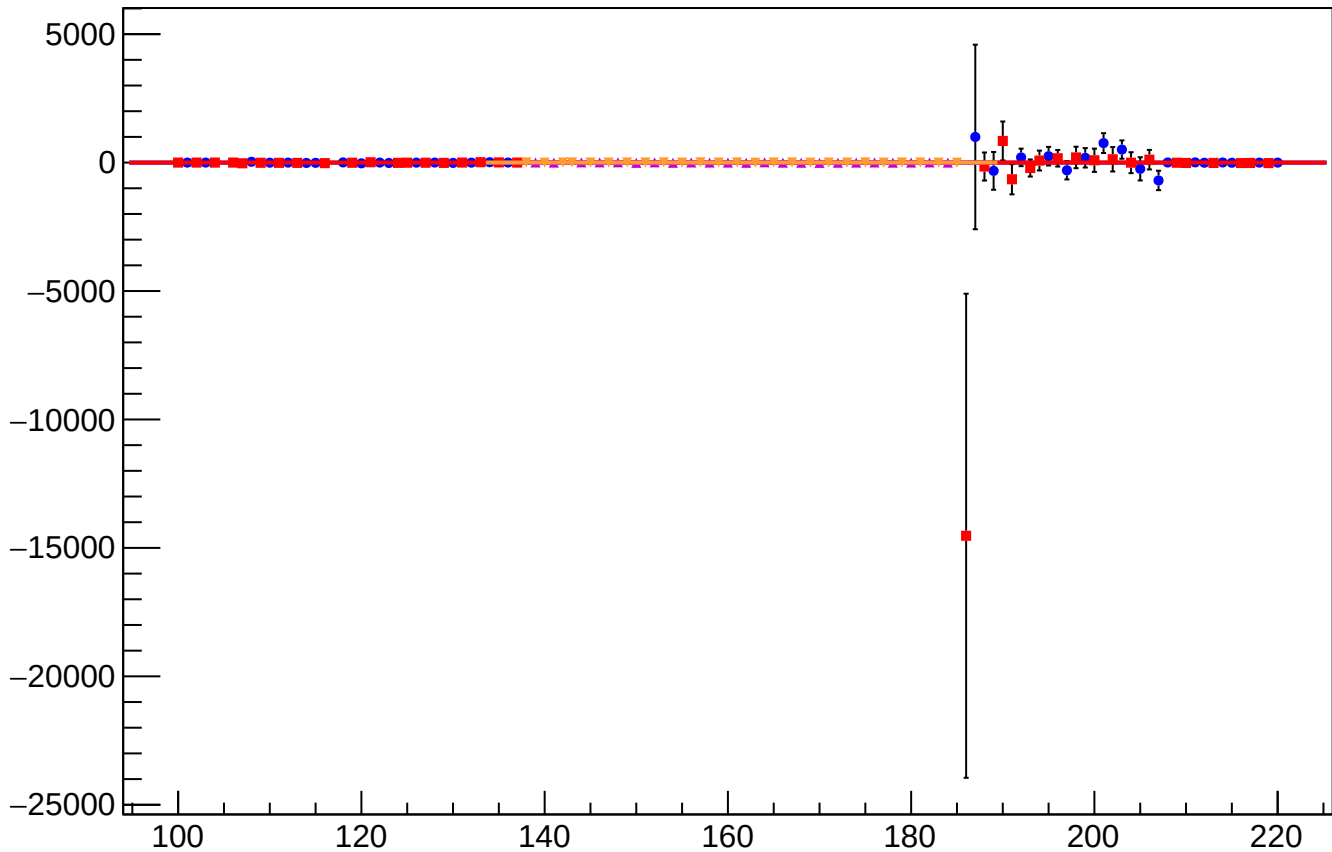
Left In: 12064.321+/-2.054 χ^2/NDF : 372586.0/22

+ sign 19.136+/-0.012 χ^2/NDF : 57948656.4/49

All: 18.906+/-0.008 χ^2/NDF : 112599226.9/97

- sign 18.708+/-0.011 χ^2/NDF : 54649913.1/47

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 29.5/33

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 59.3/36

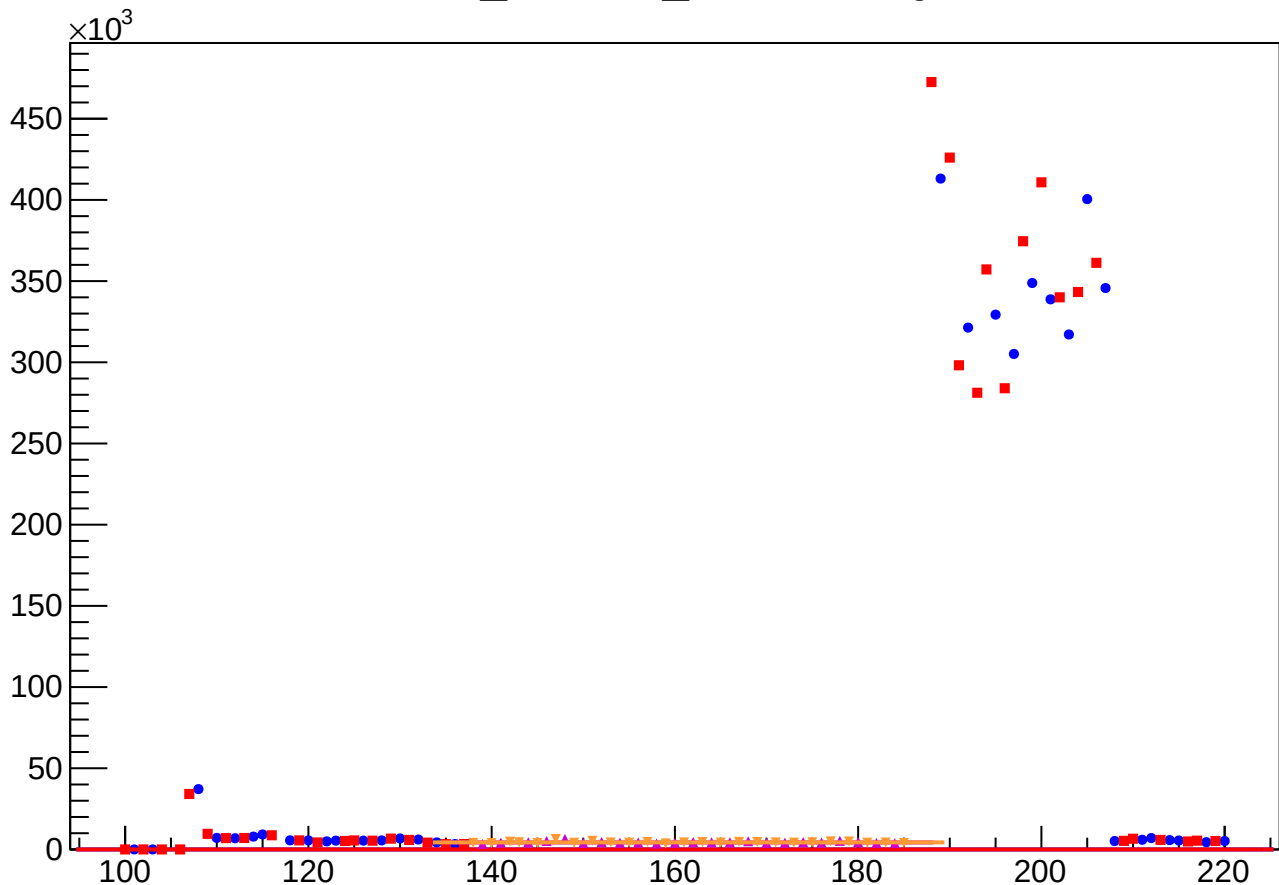
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 50.1/58

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 146.8/118

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 95.6/59

diff_cav4bY_rms vs Slug



Right In: 10.018 ± 0.007 χ^2/NDF : 34699431.7/32

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.915 ± 0.006 χ^2/NDF : 34667462.6/35

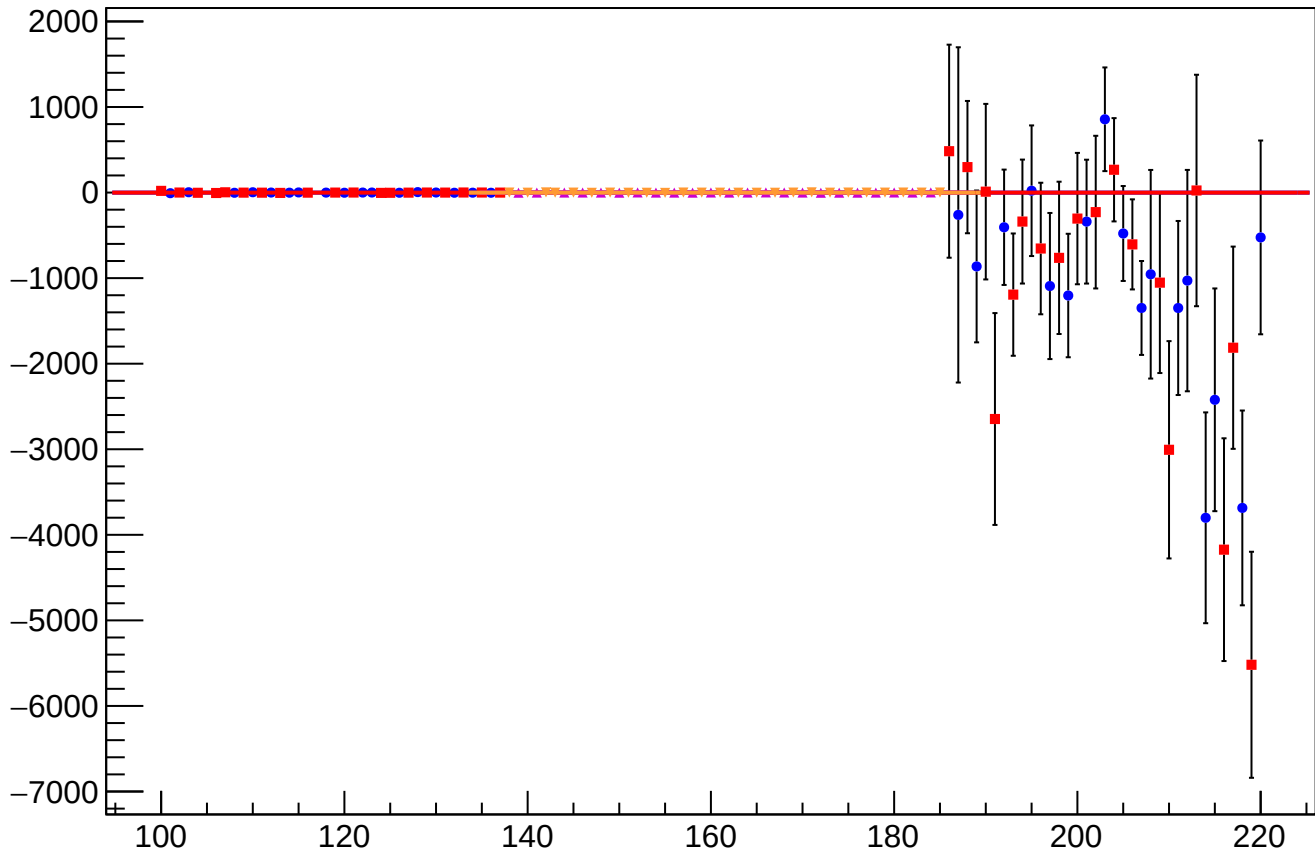
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.371 ± 0.007 χ^2/NDF : 71226087.2/57

All: 10.286 ± 0.004 χ^2/NDF : 140490563.0/1

- sign 10.211 ± 0.006 χ^2/NDF : 69264157.2/58

diff_cav4cX_mean vs Slug



Right In: -0.707 ± 0.485 χ^2/NDF : 63.9/33

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.765 ± 0.502 χ^2/NDF : 59.5/36

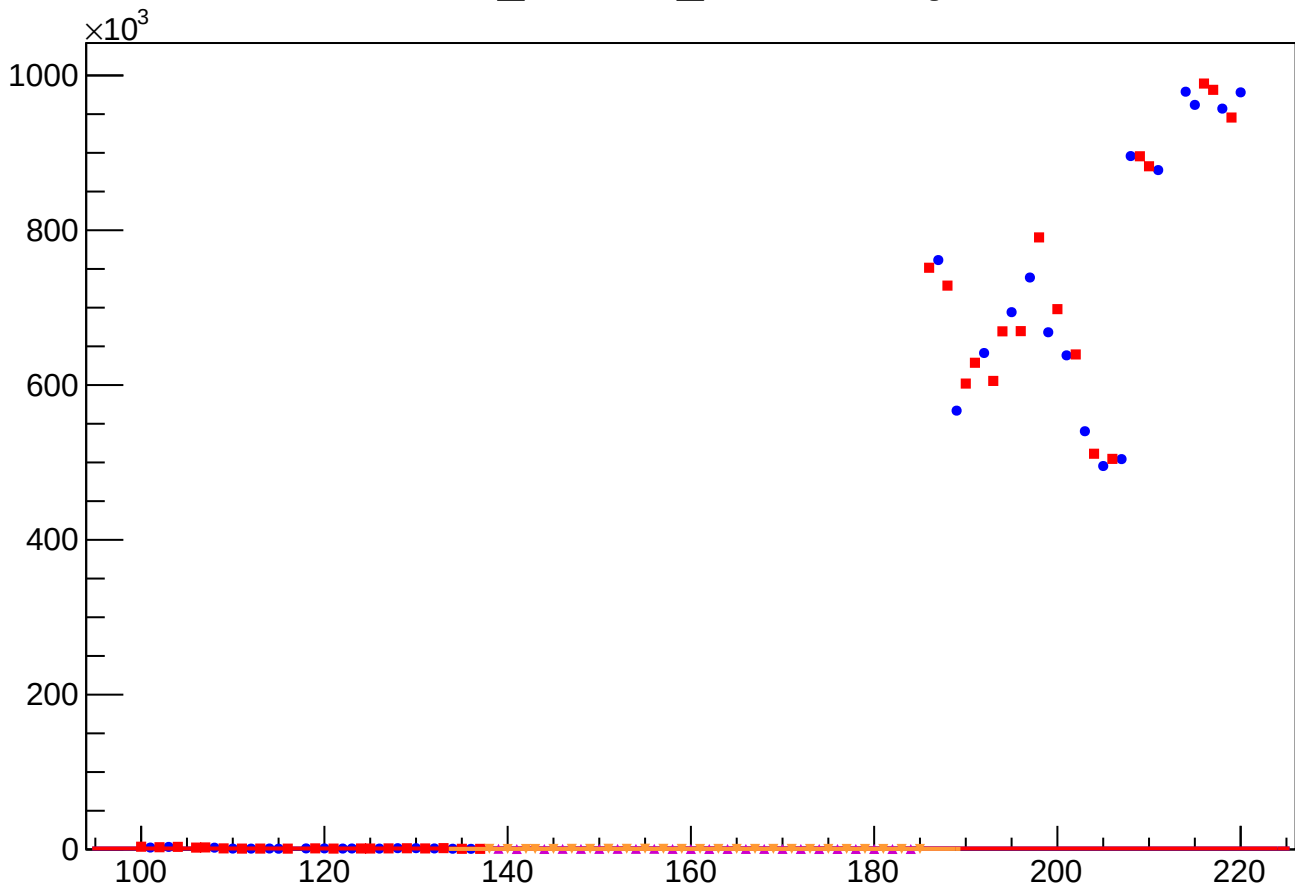
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 122.3/58

All: -0.444 ± 0.112 χ^2/NDF : 221.9/118

- sign -0.097 ± 0.161 χ^2/NDF : 90.7/59

diff_cav4cX_rms vs Slug



Right In: 1167.488 $\pm$ 0.343 χ^2 /NDF: 19713318.2/32

Left Out: 700.797 $\pm$ 0.116 χ^2 /NDF:392521.4/24

Right Out: 1252.677 $\pm$ 0.355 χ^2 /NDF: 19391376.6/35

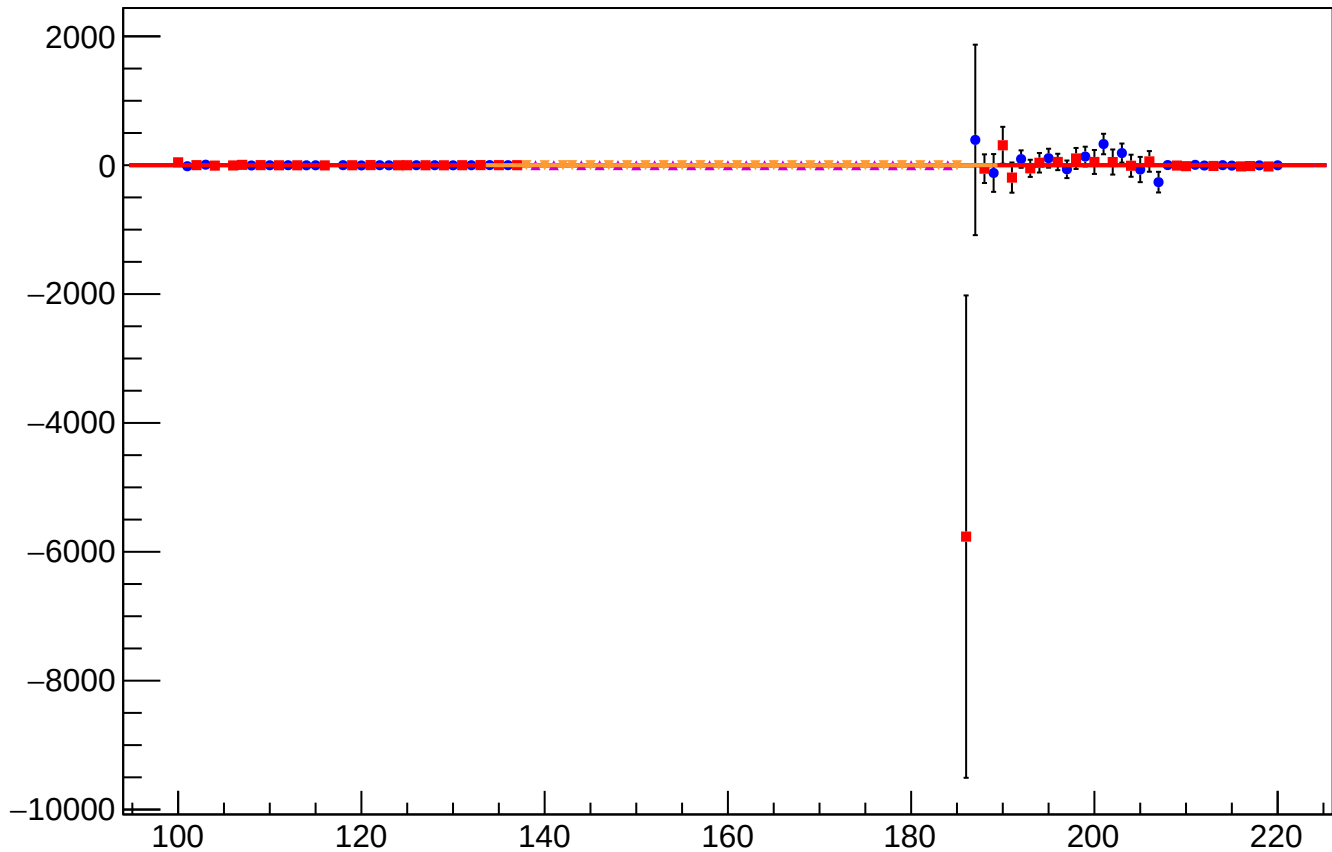
Left In: 706.950 $\pm$ 0.120 χ^2 /NDF:338177.1/22

+ sign 748.840 $\pm$ 0.110 χ^2 /NDF: 21766970.1/57

All: 755.746 $\pm$ 0.079 χ^2 /NDF: 43624094.2/1

- sign 763.149 $\pm$ 0.114 χ^2 /NDF: 21848962.3/58

diff_cav4cY_mean vs Slug



Right In: -0.077 ± 0.268 χ^2/NDF : 35.6/33

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.027 ± 0.263 χ^2/NDF : 76.1/36

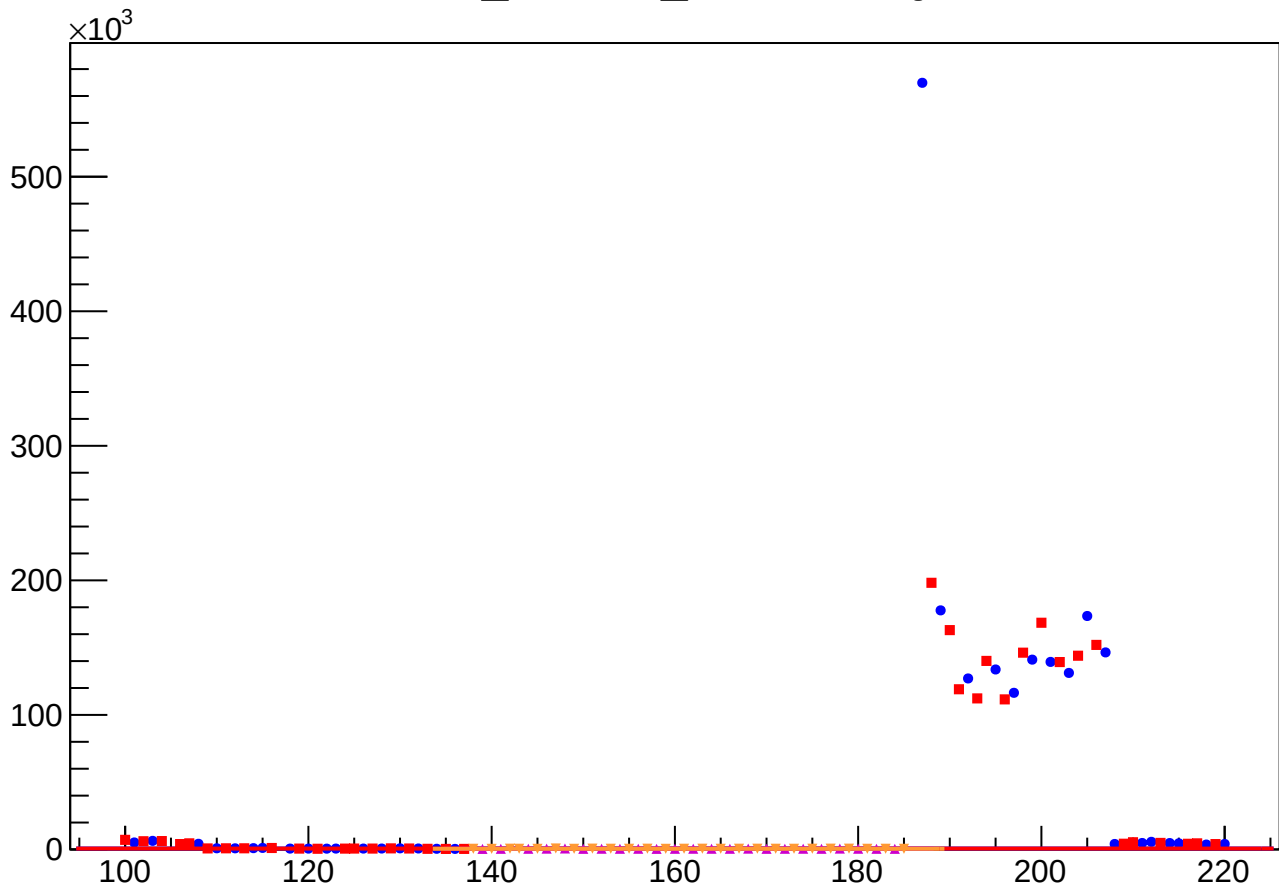
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.182 ± 0.111 χ^2/NDF : 54.3/58

All: 0.141 ± 0.079 χ^2/NDF : 165.7/118

- sign 0.099 ± 0.113 χ^2/NDF : 111.2/59

diff_cav4cY_rms vs Slug



Right In: 683.449 ± 0.189 χ^2/NDF : 24457062.5/33

Left Out: 522.416 ± 0.087 χ^2/NDF : 331573.1/24

Right Out: 661.976 ± 0.186 χ^2/NDF : 24839061.1/35

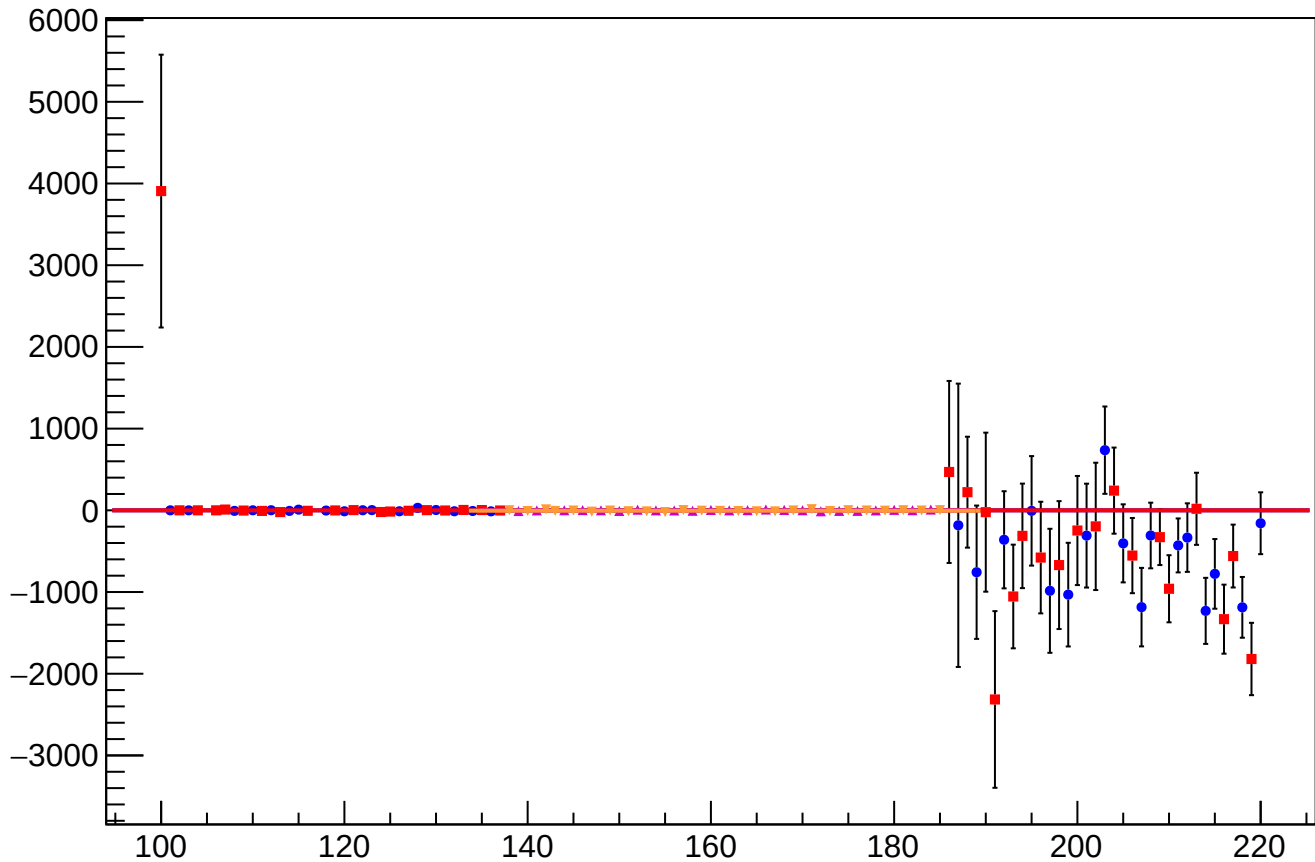
Left In: 519.909 ± 0.089 χ^2/NDF : 444746.3/22

+ sign 550.244 ± 0.079 χ^2/NDF : 25386057.0/58

All: 548.298 ± 0.056 χ^2/NDF : 51146990.2/11

- sign 546.286 ± 0.080 χ^2/NDF : 25759691.6/58

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 56.0/33

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 63.3/36

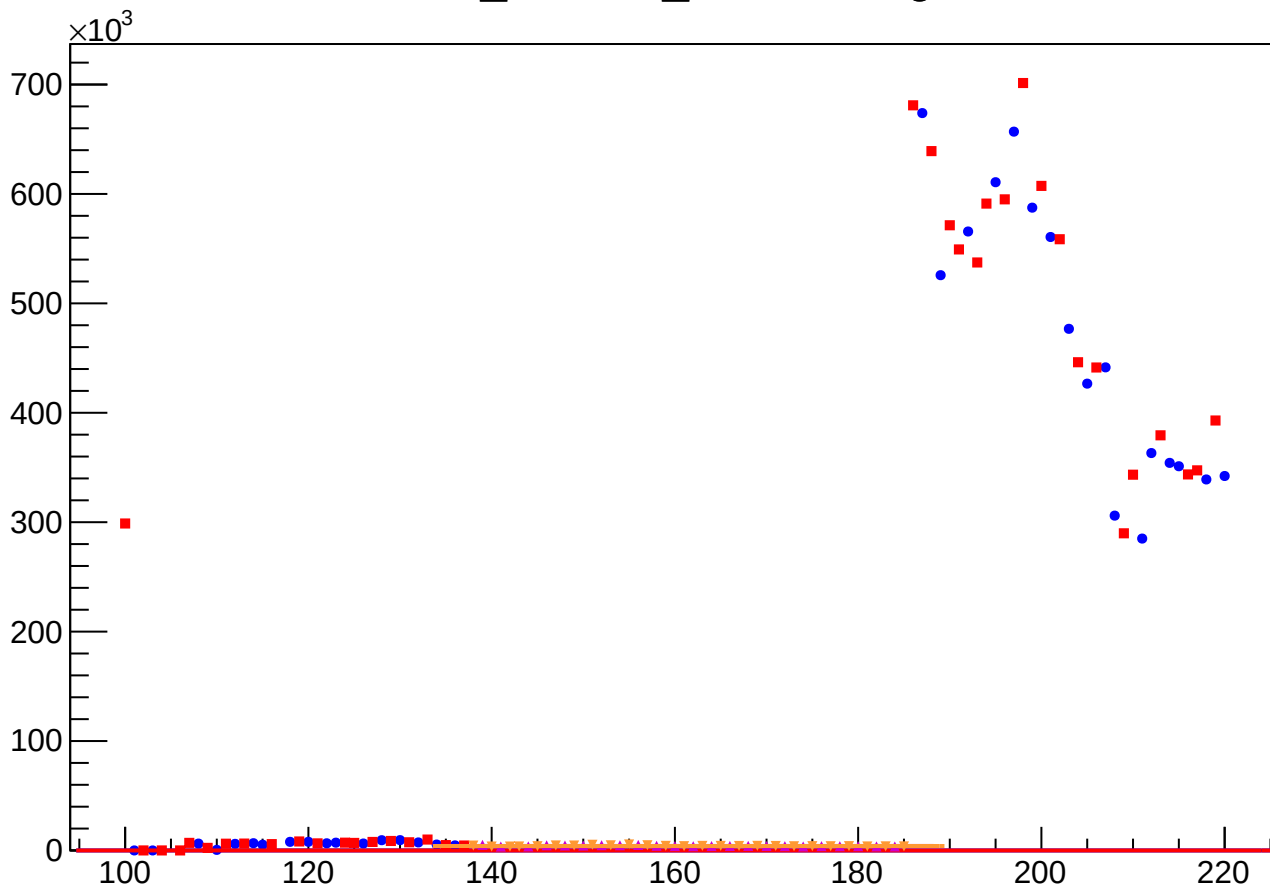
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 135.9/58

All: -0.025 ± 0.014 χ^2/NDF : 228.5/118

- sign -0.027 ± 0.020 χ^2/NDF : 92.6/59

diff_cav4dX_rms vs Slug



Right In: 17.348+/-0.015 χ^2/NDF : 34901083.0/33

Left Out: 4074.257+/-0.676 χ^2/NDF :416916.0/24

Right Out: 17.278+/-0.014 χ^2/NDF : 35531892.1/36

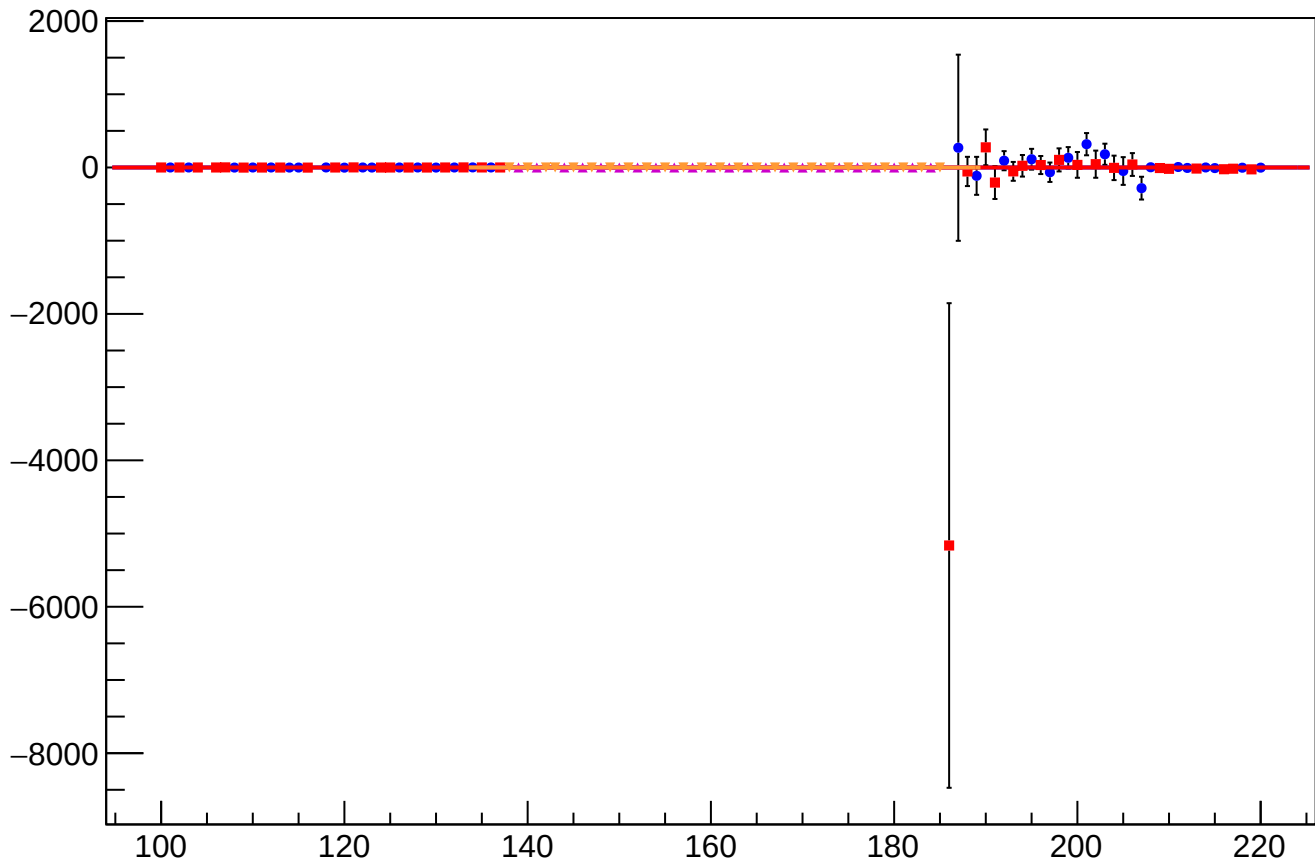
Left In: 4113.744+/-0.700 χ^2/NDF :354965.8/22

+ sign 19.268+/-0.015 χ^2/NDF : 71351012.7/58

All: 19.081+/-0.010 χ^2/NDF : 141454870.2/11

- sign 18.911+/-0.014 χ^2/NDF : 70103547.4/59

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 30.8/33

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 78.1/36

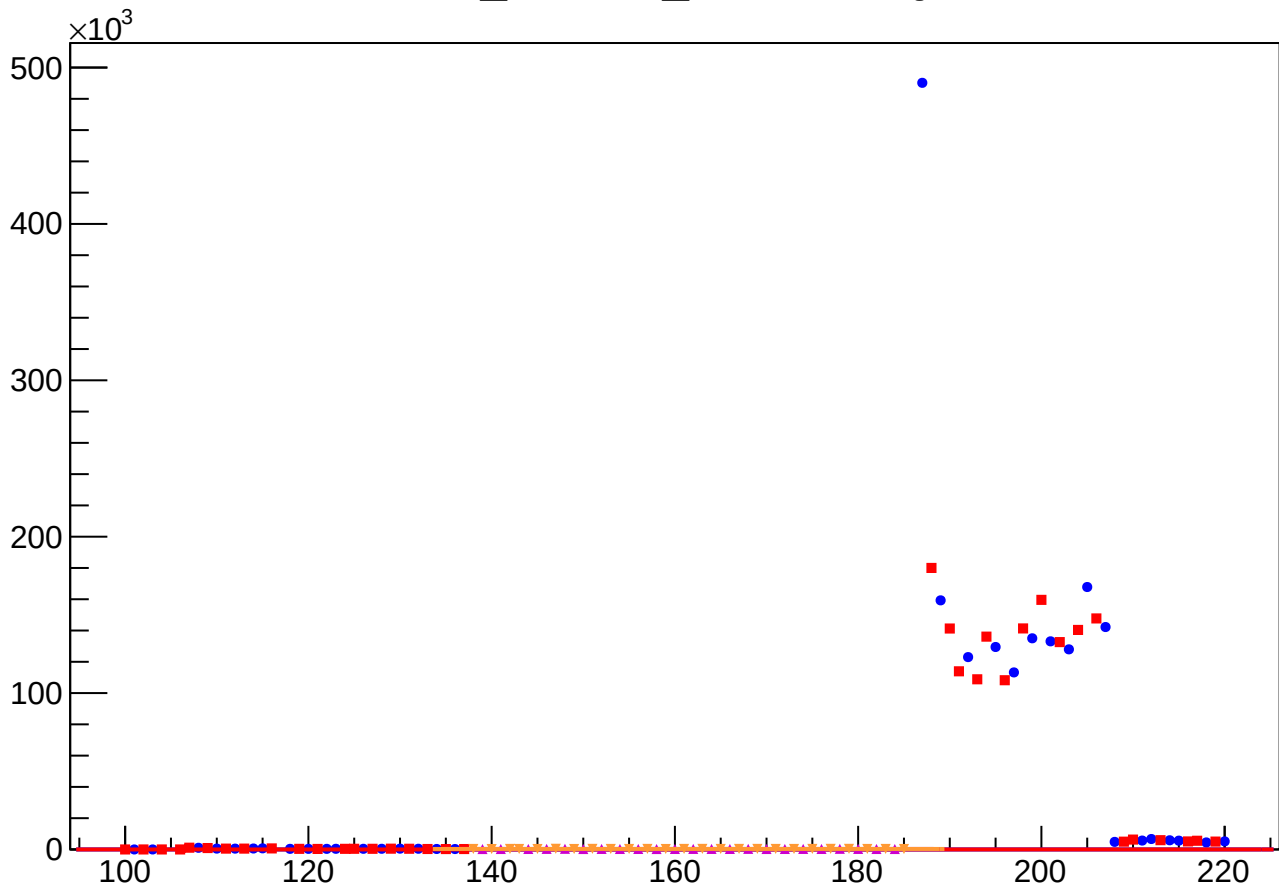
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 51.5/58

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 165.4/118

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 113.8/59

diff_cav4dY_rms vs Slug



Right In: 1.702 $\pm$ 0.001 χ^2 /NDF: 35099347.7/33

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.731 $\pm$ 0.001 χ^2 /NDF: 34469594.3/35

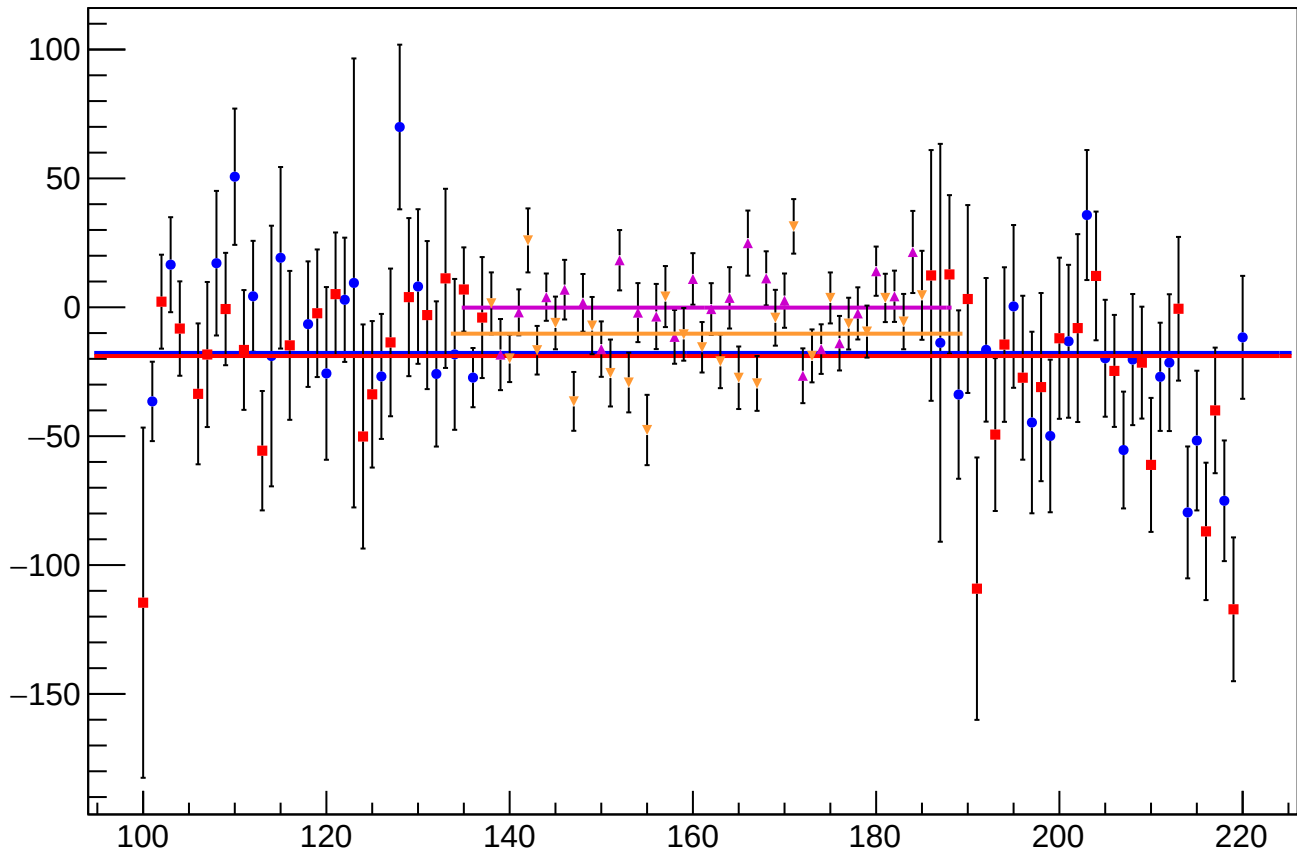
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.930 $\pm$ 0.001 χ^2 /NDF: 71410815.6/58

All: 1.929 $\pm$ 0.001 χ^2 /NDF: 140278808.5/117

- sign 1.929 $\pm$ 0.001 χ^2 /NDF: 68867992.4/58

diff_bpm4aX_mean vs Slug



Right In: -17.706 ± 4.260 $\chi^2/\text{NDF}: 49.0/33$

Left Out: -10.235 ± 2.167 $\chi^2/\text{NDF}: 58.0/24$

Right Out: -18.908 ± 4.375 $\chi^2/\text{NDF}: 44.7/36$

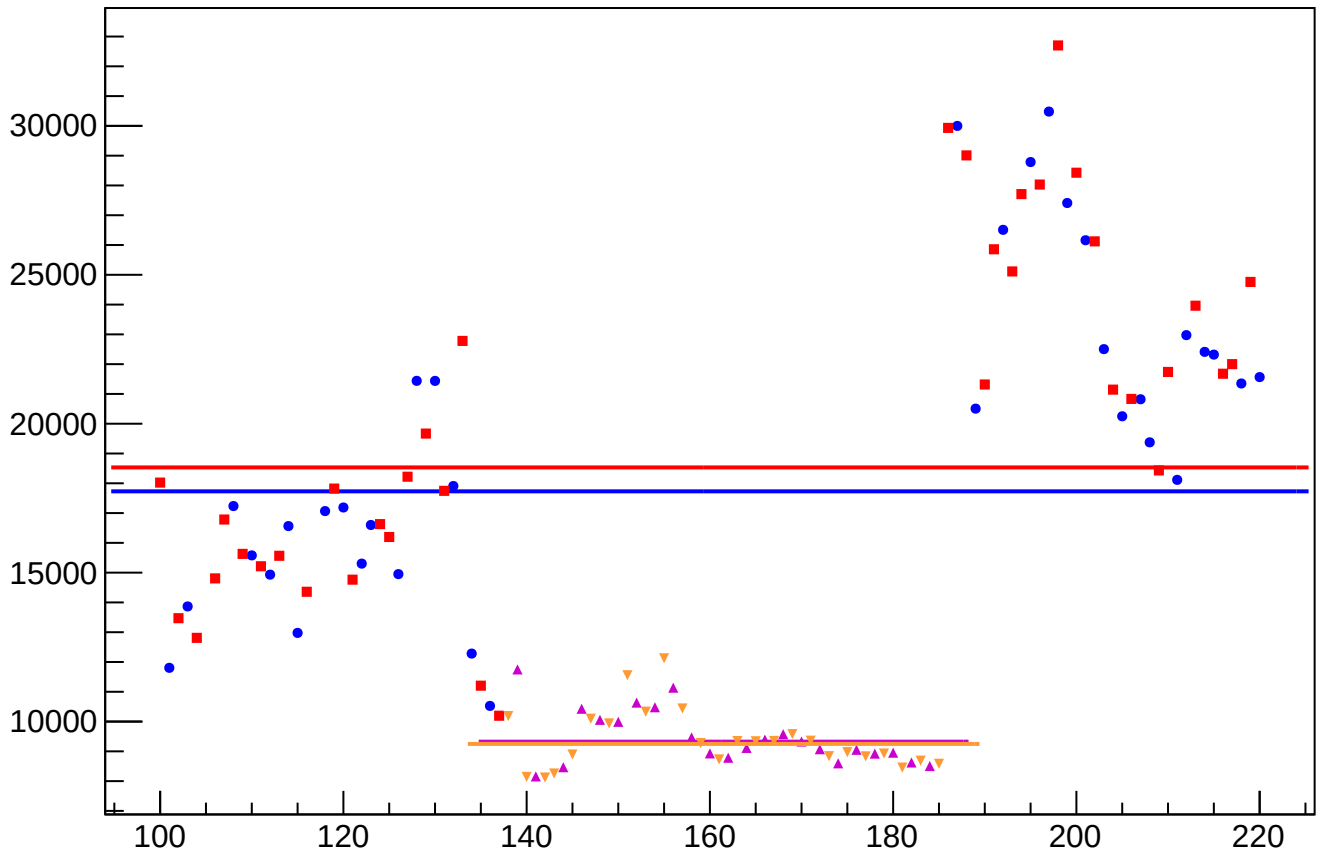
Left In: -0.130 ± 2.242 $\chi^2/\text{NDF}: 29.8/22$

+ sign -11.770 ± 1.931 $\chi^2/\text{NDF}: 109.4/58$

All: -8.029 ± 1.388 $\chi^2/\text{NDF}: 206.3/118$

- sign -4.036 ± 1.995 $\chi^2/\text{NDF}: 89.2/59$

diff_bpm4aX_rms vs Slug



Right In: 17729.698 $\pm$ 3.012 χ^2 /NDF: 3023038.1/33

Left Out: 9249.358 $\pm$ 1.532 χ^2 /NDF:332003.4/24

Right Out: 18532.592 $\pm$ 3.094 χ^2 /NDF: 3069506.2/36

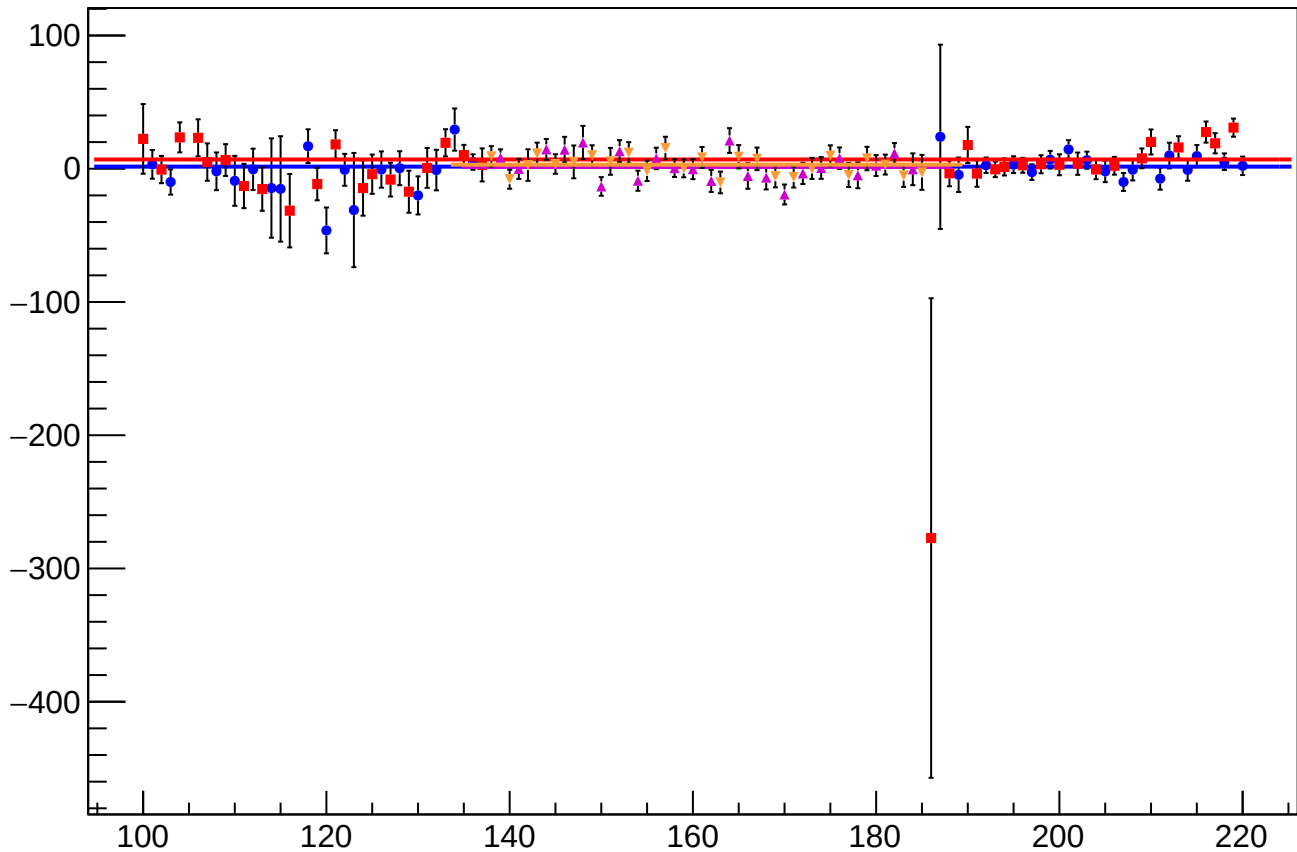
Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

+ sign 10992.219 $\pm$ 1.366 χ^2 /NDF: 9652005.6/58

All: 11112.146 $\pm$ 0.981 χ^2 /NDF: 20033010.3/100

- sign 11240.186 $\pm$ 1.411 χ^2 /NDF: 10365057.5/59

diff_bpm4aY_mean vs Slug



Right In: 1.596 ± 1.549 χ^2/NDF : 29.9/33

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 6.971 ± 1.545 χ^2/NDF : 55.8/36

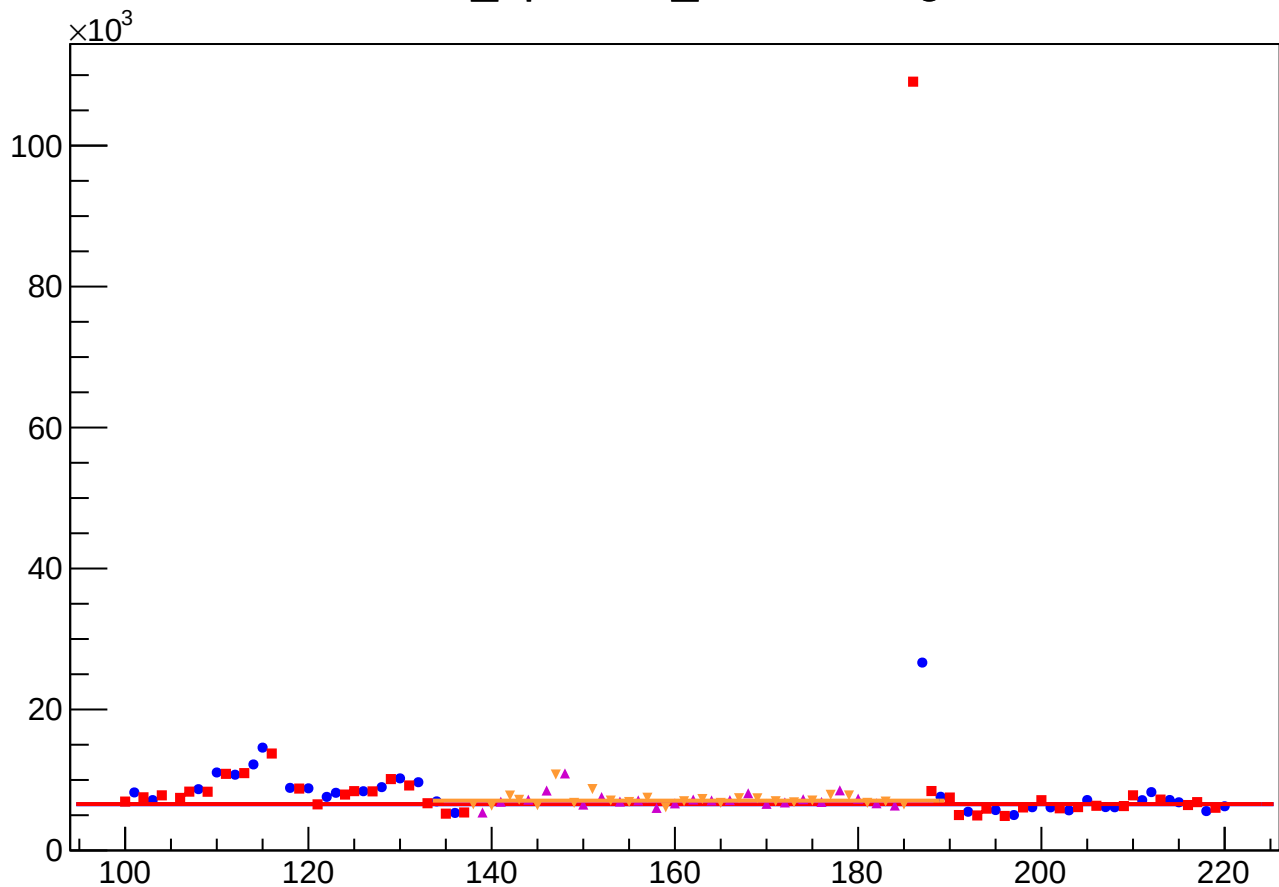
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.279 ± 1.132 χ^2/NDF : 48.6/58

All: 3.349 ± 0.804 χ^2/NDF : 147.5/118

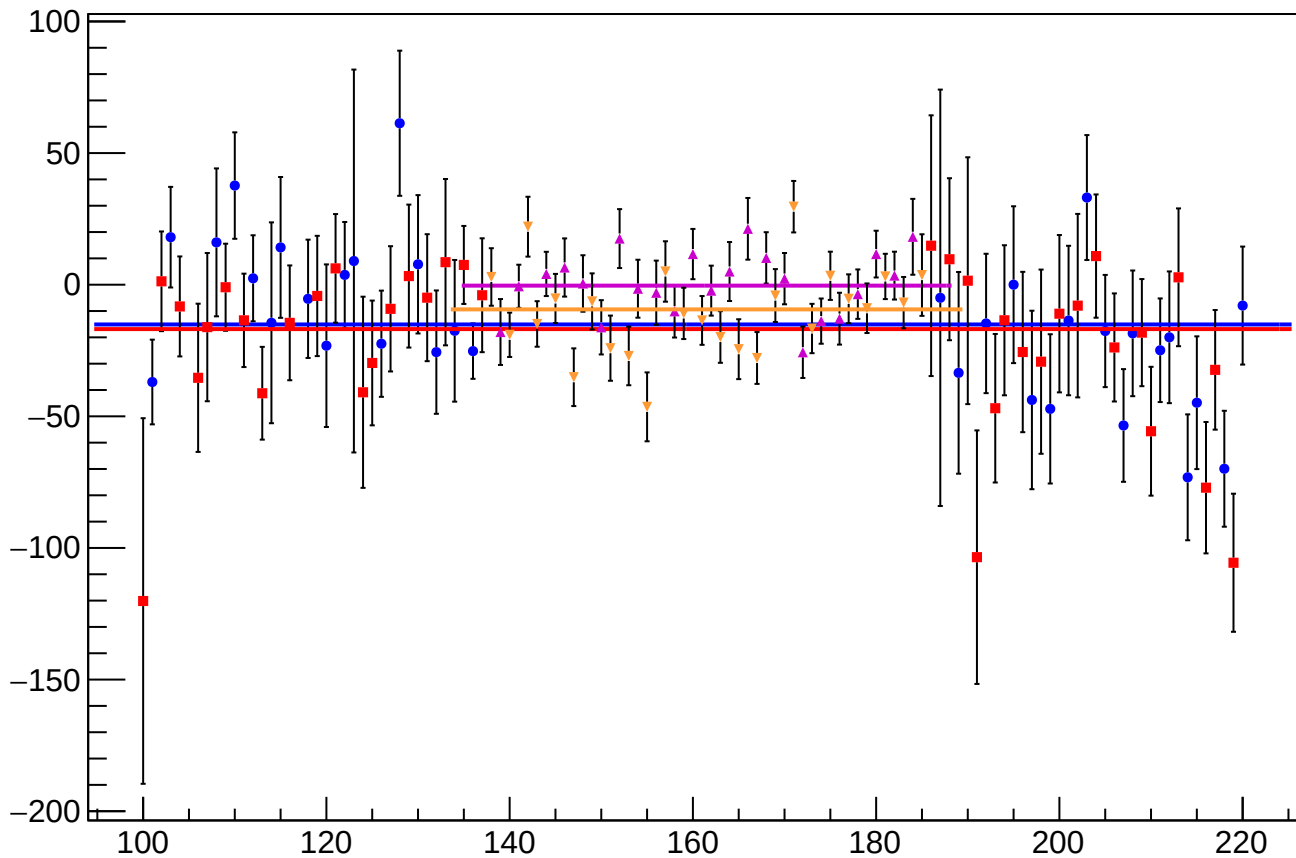
- sign 4.437 ± 1.141 χ^2/NDF : 97.1/59

diff_bpm4aY_rms vs Slug



Right In: 6554.819 $\pm$ 1.095	χ^2/NDF : 1664225.2/33	+ sign 6793.349 $\pm$ 0.801	χ^2/NDF : 2153444.7/58
Left Out: 7066.826 $\pm$ 1.173	χ^2/NDF : 387449.8/24	All: 6782.963 $\pm$ 0.568	χ^2/NDF : 4936539.5/11
Right Out: 6582.397 $\pm$ 1.093	χ^2/NDF : 2166182.4/36	- sign 6772.408 $\pm$ 0.807	χ^2/NDF : 2782755.6/59
Left In: 7000.532 $\pm$ 1.197	χ^2/NDF : 550029.3/22		

diff_bpm4eX_mean vs Slug



Right In: -15.107 ± 3.907 χ^2/NDF : 50.0/33

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -16.860 ± 3.978 χ^2/NDF : 41.9/36

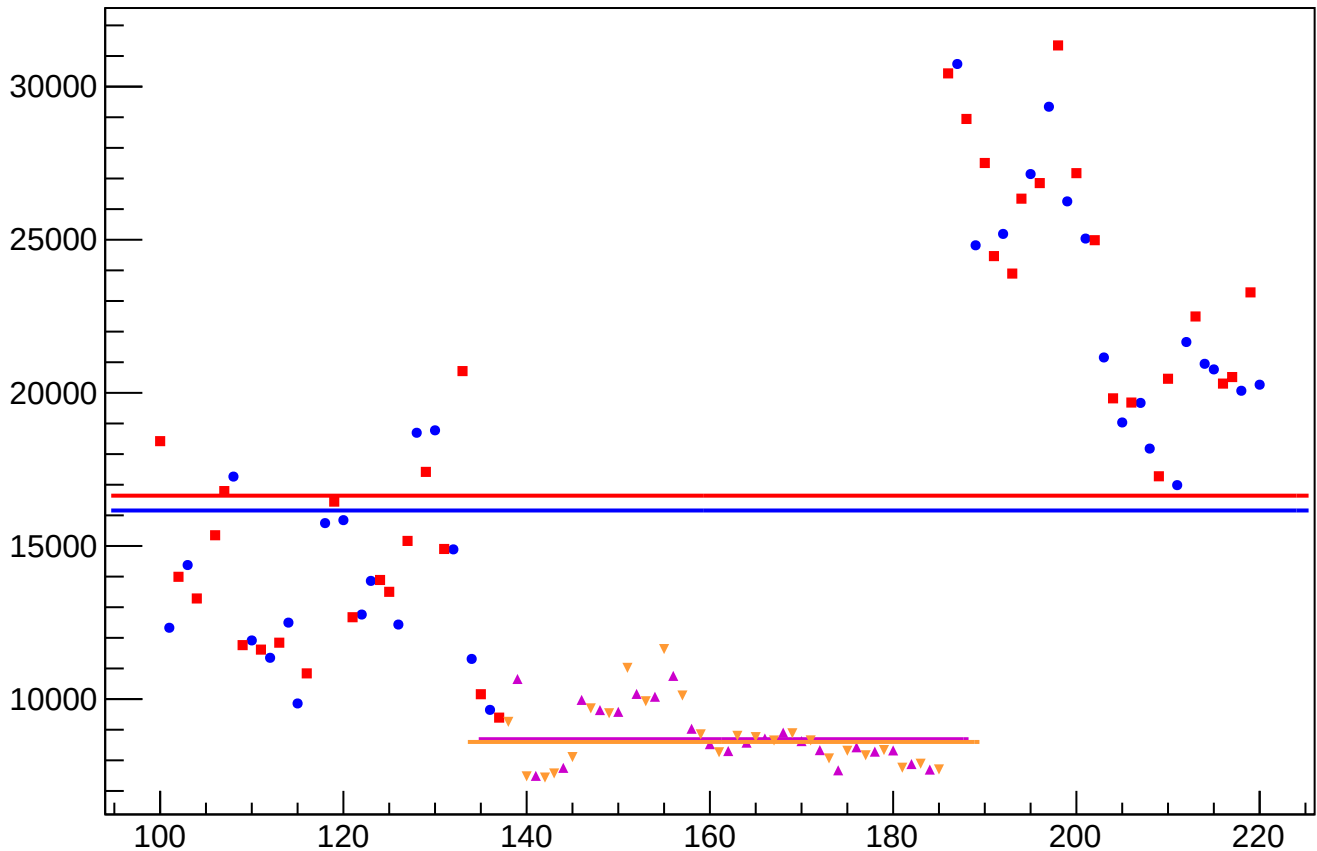
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -10.583 ± 1.793 χ^2/NDF : 110.1/58

All: -7.364 ± 1.288 χ^2/NDF : 201.8/118

- sign -3.931 ± 1.852 χ^2/NDF : 85.0/59

diff_bpm4eX_rms vs Slug



Right In: 16158.747 $\pm$ 2.763 χ^2 /NDF: 3523129.0/33

Left Out: 8600.457 $\pm$ 1.427 χ^2 /NDF: 438229.4/24

Right Out: 16642.981 $\pm$ 2.813 χ^2 /NDF: 3913659.7/36

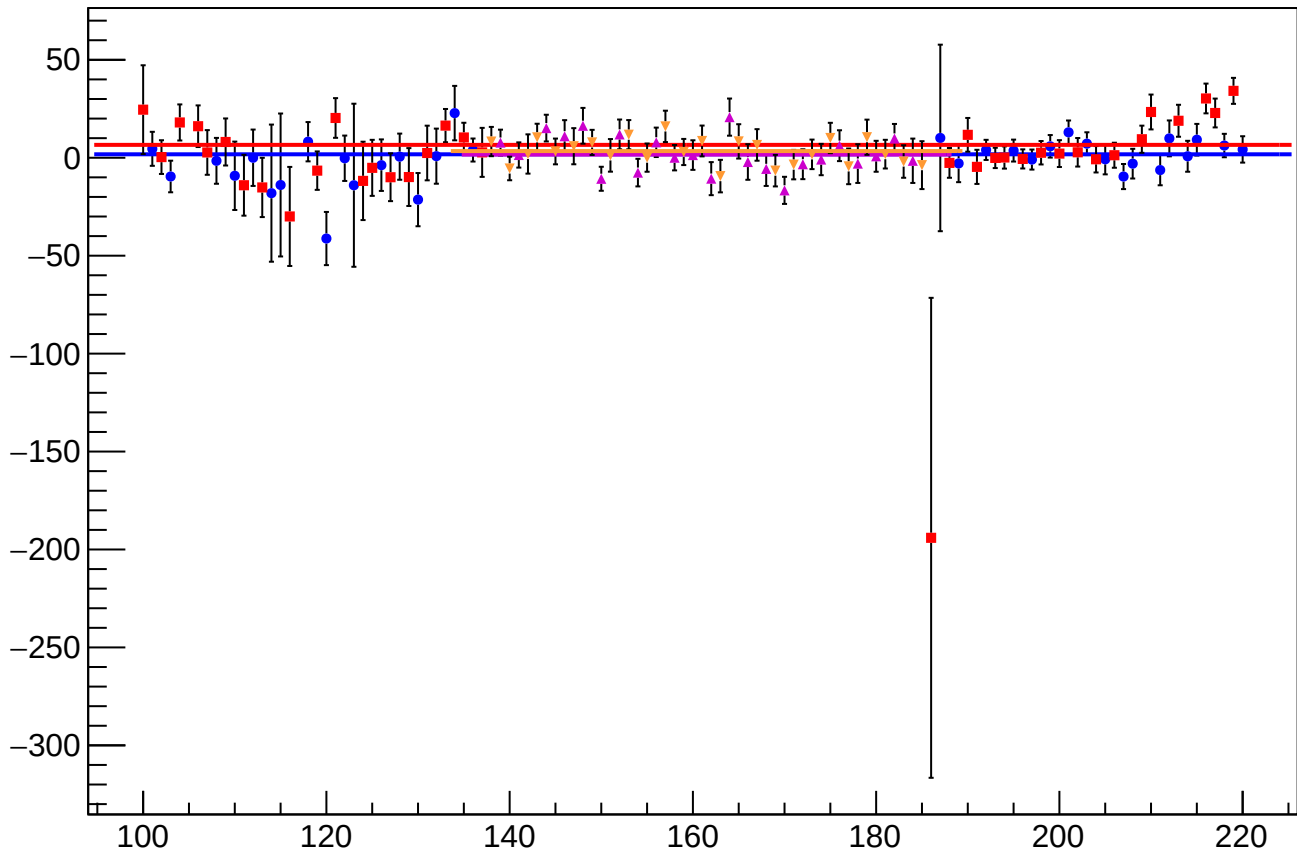
Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF: 370834.1/22

+ sign 10191.822 $\pm$ 1.268 χ^2 /NDF: 9870000.1/58

All: 10299.205 $\pm$ 0.911 χ^2 /NDF: 20431966.2/117

- sign 10413.758 $\pm$ 1.309 χ^2 /NDF: 10547136.3/59

diff_bpm4eY_mean vs Slug



Right In: 1.765 ± 1.412 χ^2/NDF : 32.0/33

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 6.581 ± 1.389 χ^2/NDF : 71.7/36

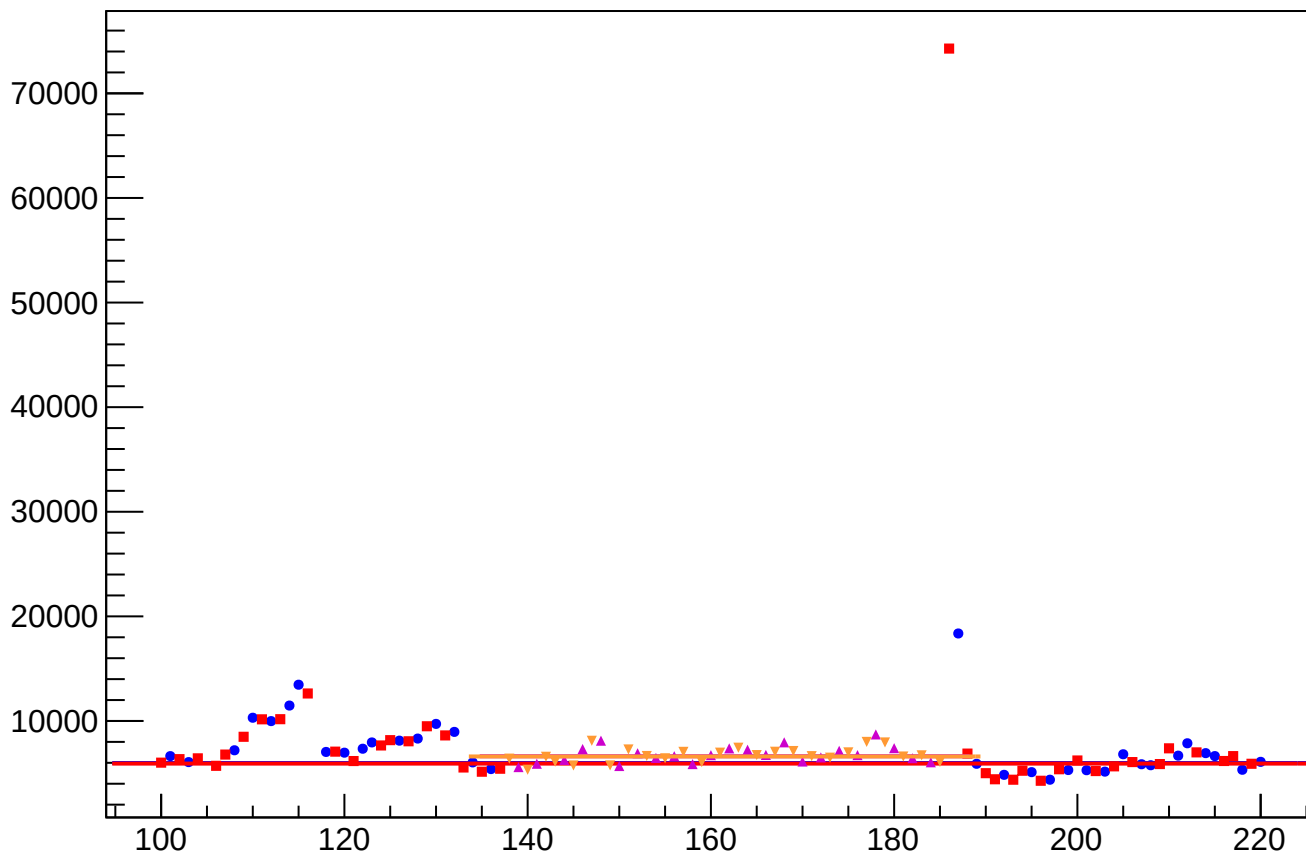
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.509 ± 1.044 χ^2/NDF : 49.4/58

All: 3.476 ± 0.740 χ^2/NDF : 161.8/118

- sign 4.451 ± 1.049 χ^2/NDF : 110.6/59

diff_bpm4eY_rms vs Slug



Right In: 5978.216 ± 0.998 $\chi^2/\text{NDF}: 1663993.2/33$

Left Out: 6607.100 ± 1.096 $\chi^2/\text{NDF}: 398416.1/24$

Right Out: 5926.595 ± 0.982 $\chi^2/\text{NDF}: 2254524.7/36$

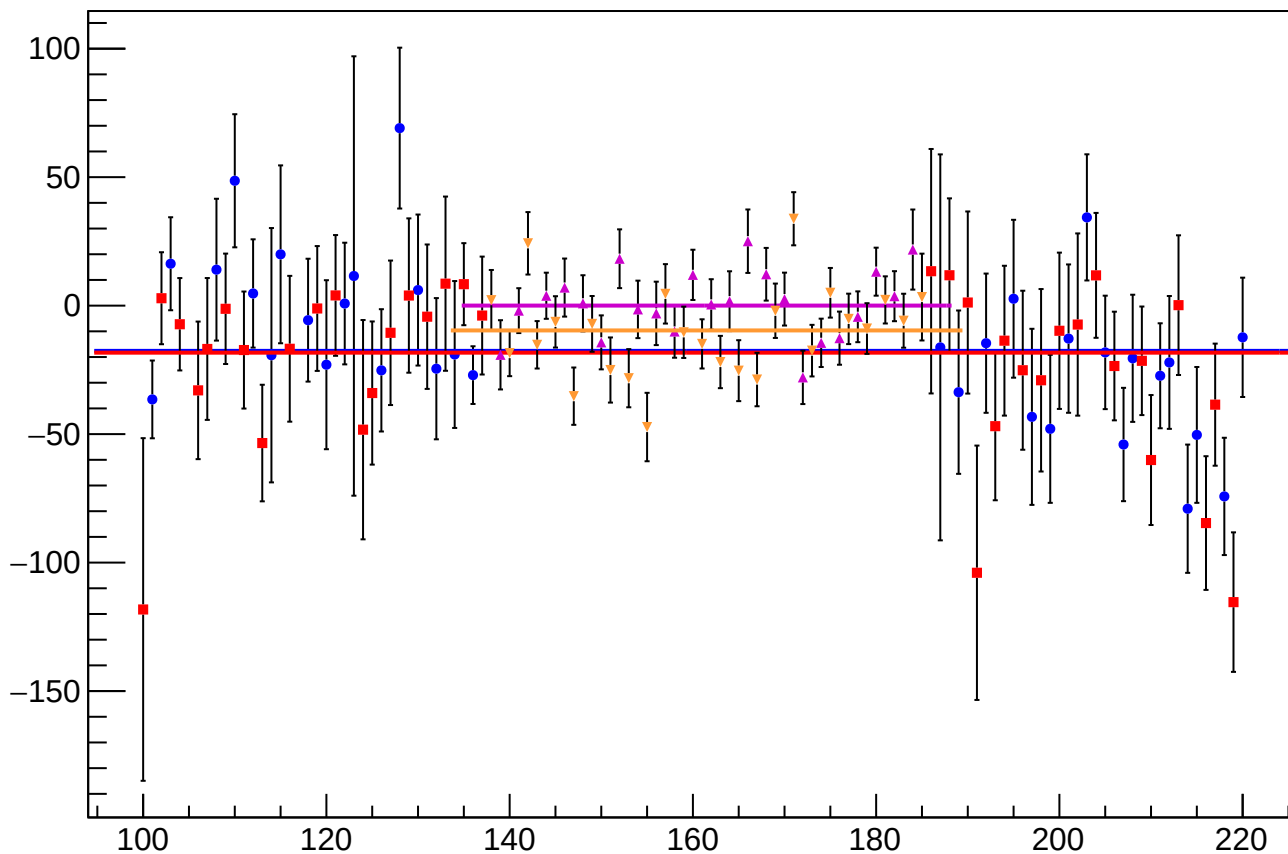
Left In: 6628.653 ± 1.131 $\chi^2/\text{NDF}: 430282.2/22$

+ sign 6263.272 ± 0.738 $\chi^2/\text{NDF}: 2242308.9/58$

All: 6245.938 ± 0.523 $\chi^2/\text{NDF}: 5147975.4/11$

- sign 6228.447 ± 0.741 $\chi^2/\text{NDF}: 2904558.5/59$

diff_bpm4acX_mean vs Slug



Right In: -17.606 ± 4.163 χ^2/NDF : 49.1/33

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -18.302 ± 4.277 χ^2/NDF : 45.2/36

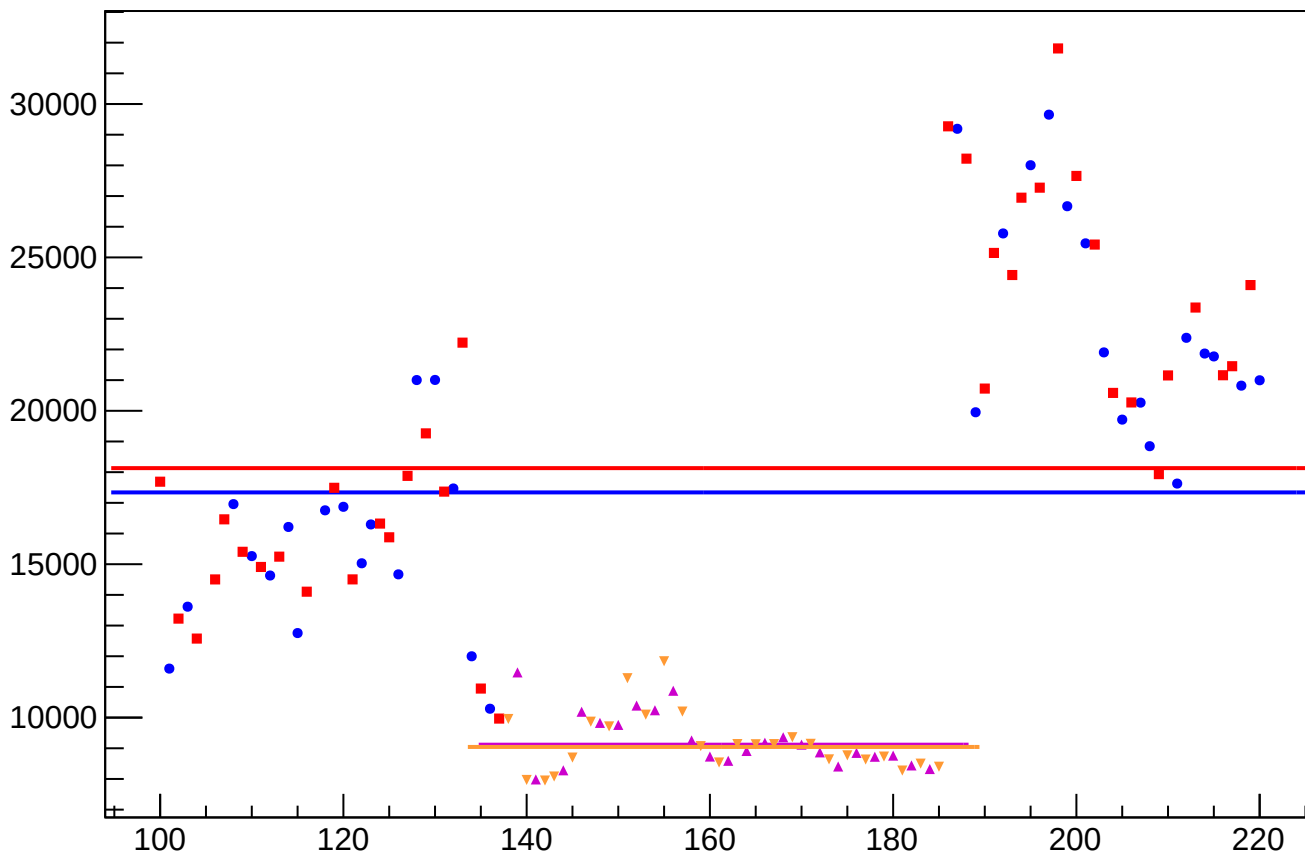
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -11.285 ± 1.888 χ^2/NDF : 111.8/58

All: -7.661 ± 1.357 χ^2/NDF : 209.7/118

- sign -3.791 ± 1.951 χ^2/NDF : 90.3/59

diff_bpm4acX_rms vs Slug



Right In: 17340.137+/-2.944 χ^2/NDF : 2972771.3/33

Left Out: 9043.485+/-1.498 χ^2/NDF : 328192.2/24

+ sign 10749.539+/-1.335 χ^2/NDF : 9610239.5/58

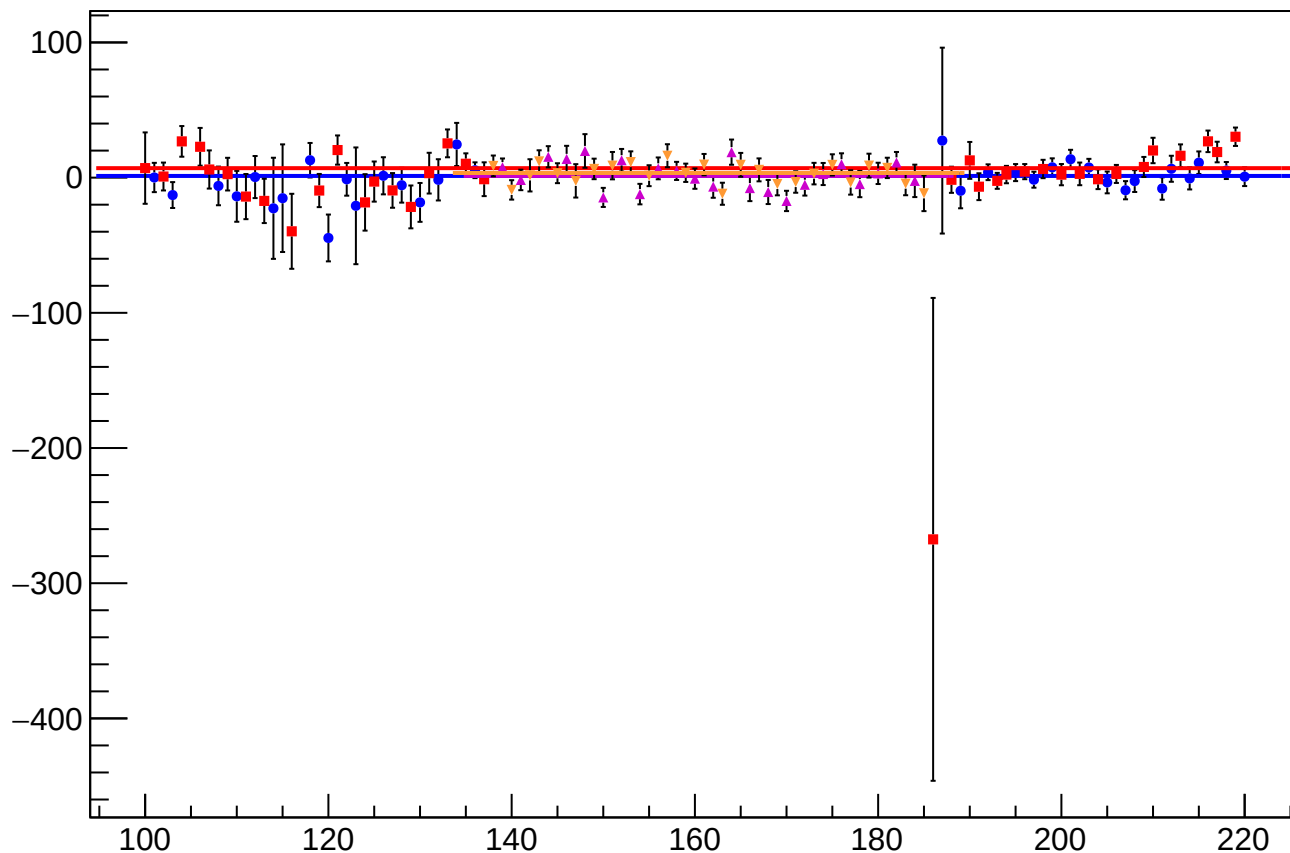
Right Out: 18131.521+/-3.025 χ^2/NDF : 3012606.7/36

All: 10866.784+/-0.959 χ^2/NDF : 19952106.7

Left In: 9116.921+/-1.550 χ^2/NDF : 277594.8/22

- sign 10991.963+/-1.379 χ^2/NDF : 10325918.2/59

diff_bpm4acY_mean vs Slug



Right In: 1.255 ± 1.554 χ^2/NDF : 29.6/33

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 7.012 ± 1.551 χ^2/NDF : 59.8/36

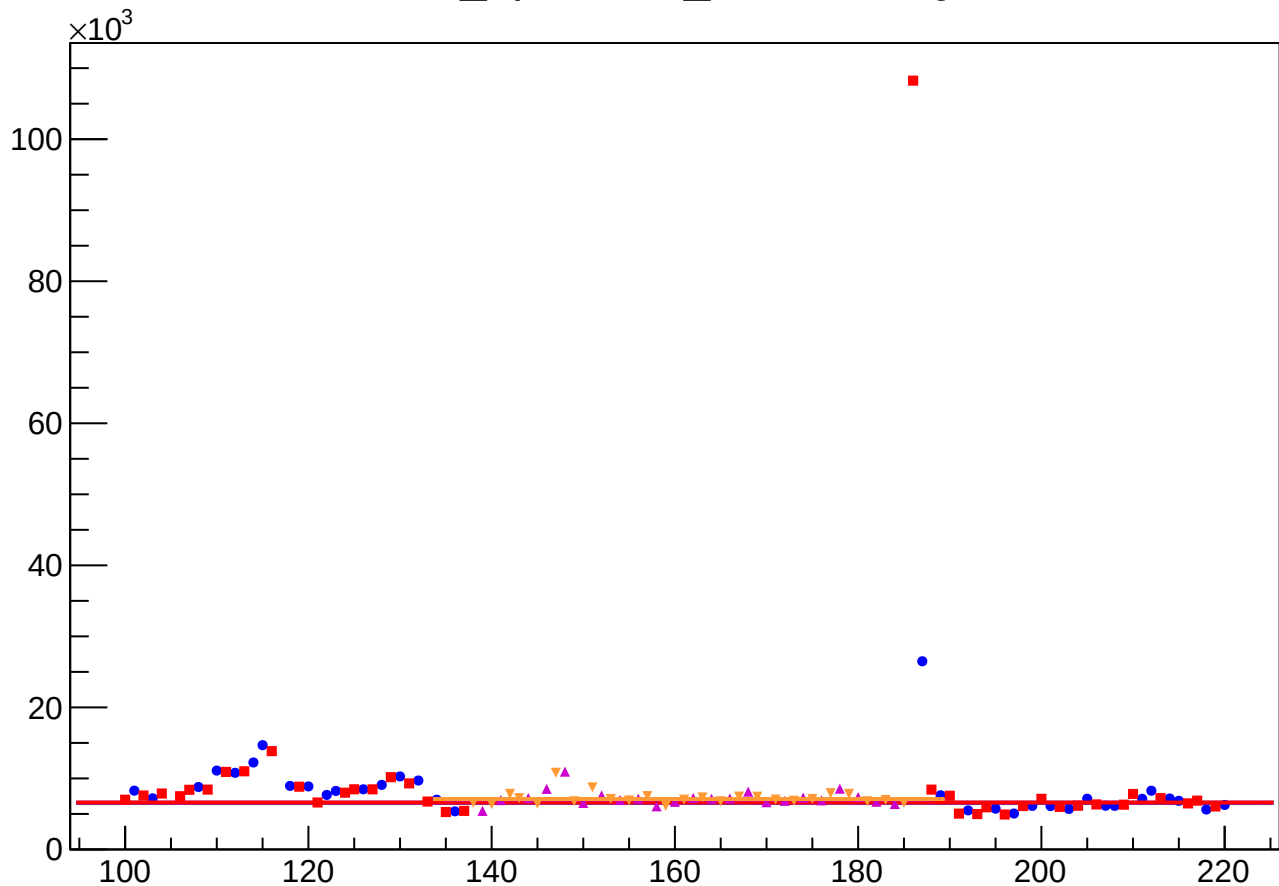
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.271 ± 1.136 χ^2/NDF : 49.4/58

All: 3.334 ± 0.807 χ^2/NDF : 153.7/118

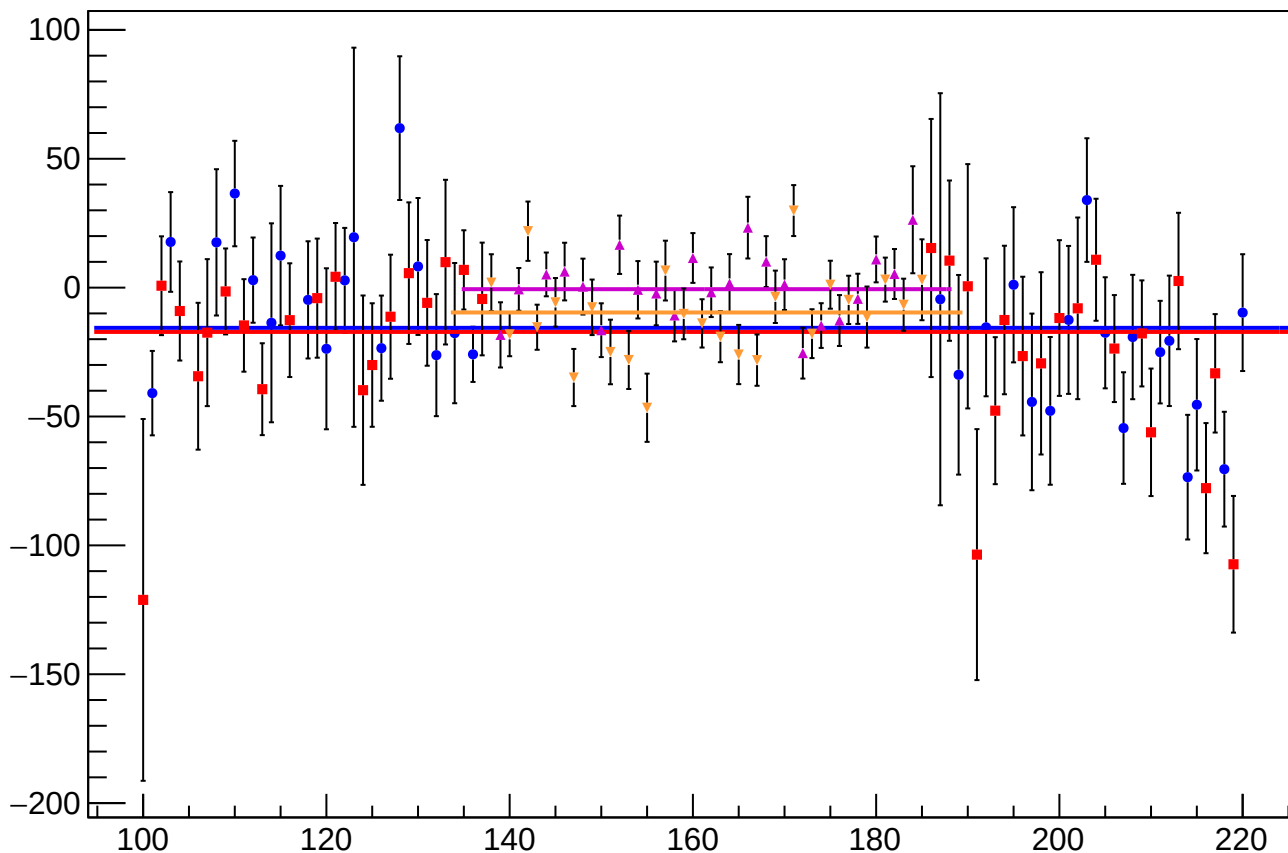
- sign 4.415 ± 1.146 χ^2/NDF : 102.5/59

diff_bpm4acY_rms vs Slug



Right In: 6574.987 $\pm$ 1.099	χ^2/NDF : 1668816.5/33	+ sign 6818.622 $\pm$ 0.804	χ^2/NDF : 2157065.2/58
Left Out: 7098.726 $\pm$ 1.178	χ^2/NDF : 382550.4/24	All: 6809.314 $\pm$ 0.571	χ^2/NDF : 4938326.6/11
Right Out: 6605.515 $\pm$ 1.096	χ^2/NDF : 2170731.0/36	- sign 6799.848 $\pm$ 0.810	χ^2/NDF : 2780990.6/59
Left In: 7033.702 $\pm$ 1.203	χ^2/NDF : 541035.5/22		

diff_bpm4ecX_mean vs Slug



Right In: -15.600 ± 3.956 $\chi^2/\text{NDF}: 50.3/33$

Left Out: -9.640 ± 2.057 $\chi^2/\text{NDF}: 57.6/24$

Right Out: -17.184 ± 4.029 $\chi^2/\text{NDF}: 41.0/36$

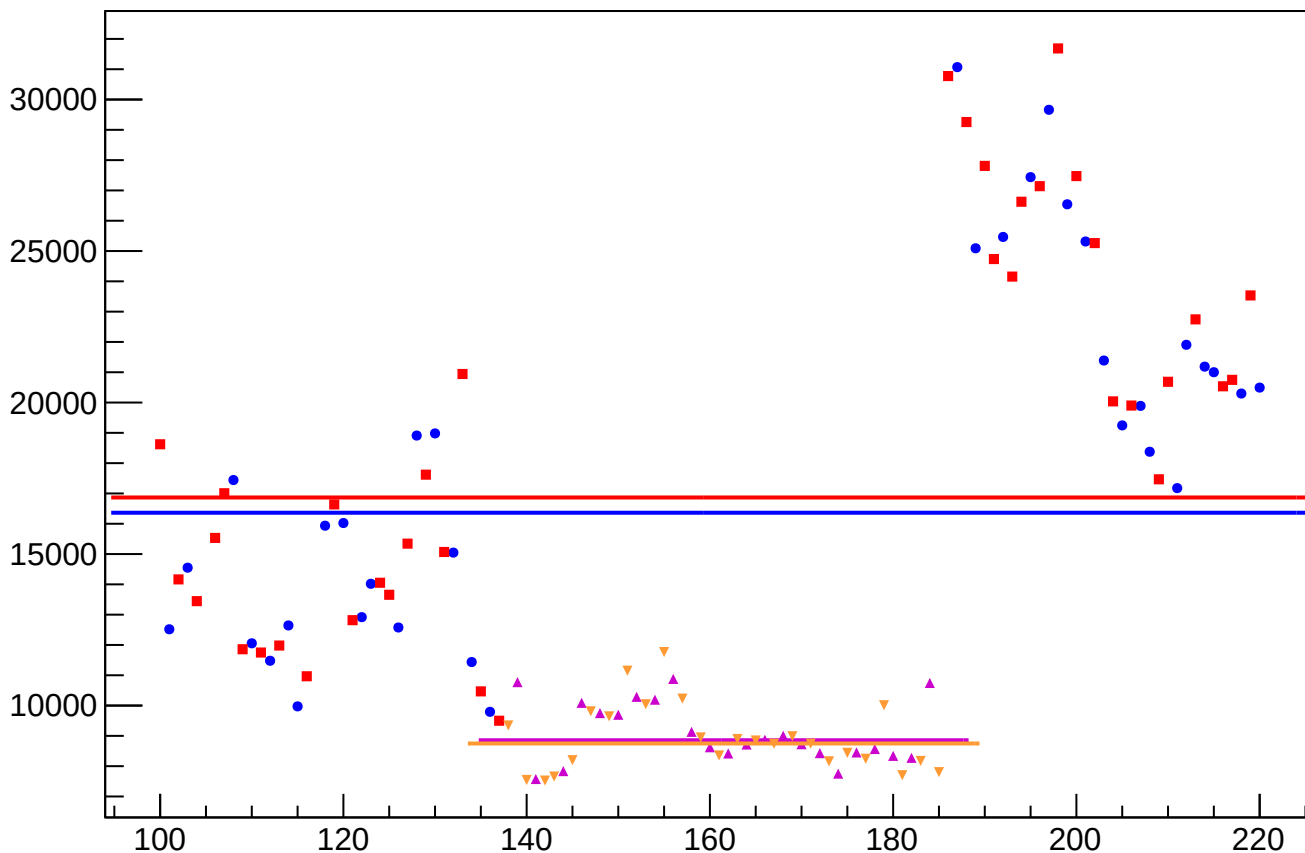
Left In: -0.599 ± 2.135 $\chi^2/\text{NDF}: 29.7/22$

+ sign -10.909 ± 1.825 $\chi^2/\text{NDF}: 109.7/58$

All: -7.682 ± 1.312 $\chi^2/\text{NDF}: 200.0/118$

- sign -4.235 ± 1.887 $\chi^2/\text{NDF}: 83.8/59$

diff_bpm4ecX_rms vs Slug



Right In: 16363.619+/-2.797 χ^2/NDF : 3497798.8/33

Left Out: 8748.407+/-1.455 χ^2/NDF :463394.1/24

Right Out: 16867.211+/-2.849 χ^2/NDF : 3871617.8/36

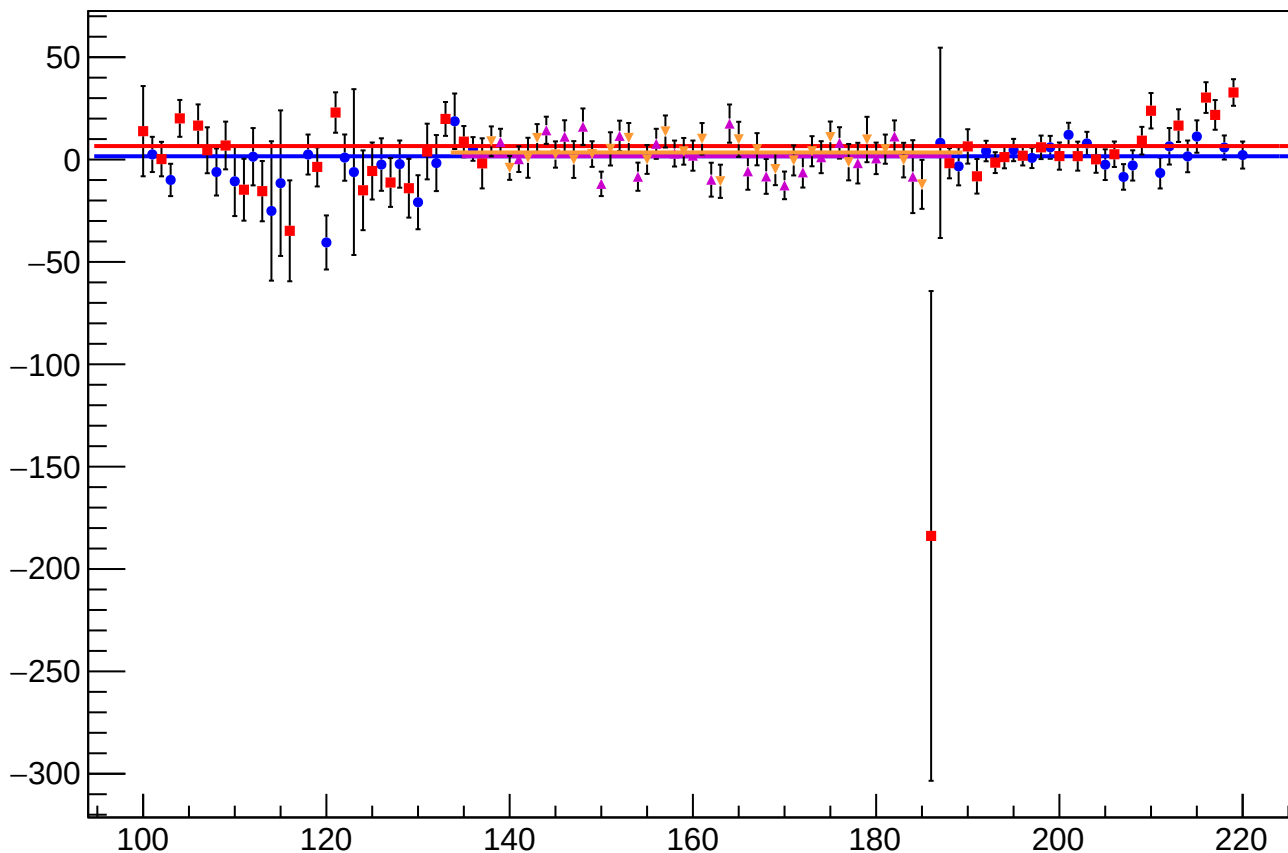
Left In: 8855.591+/-1.510 χ^2/NDF :367542.7/22

+ sign 10369.483+/-1.291 χ^2/NDF : 9794786.3/58

All: 10486.636+/-0.928 χ^2/NDF : 20224291.5

- sign 10611.799+/-1.334 χ^2/NDF : 10412462.4/59

diff_bpm4ecY_mean vs Slug



Right In: 1.604 $\pm$ 1.378 χ^2 /NDF: 31.9/33

Left Out: 3.473 $\pm$ 1.524 χ^2 /NDF: 15.8/24

Right Out: 6.587 $\pm$ 1.355 χ^2 /NDF: 74.4/36

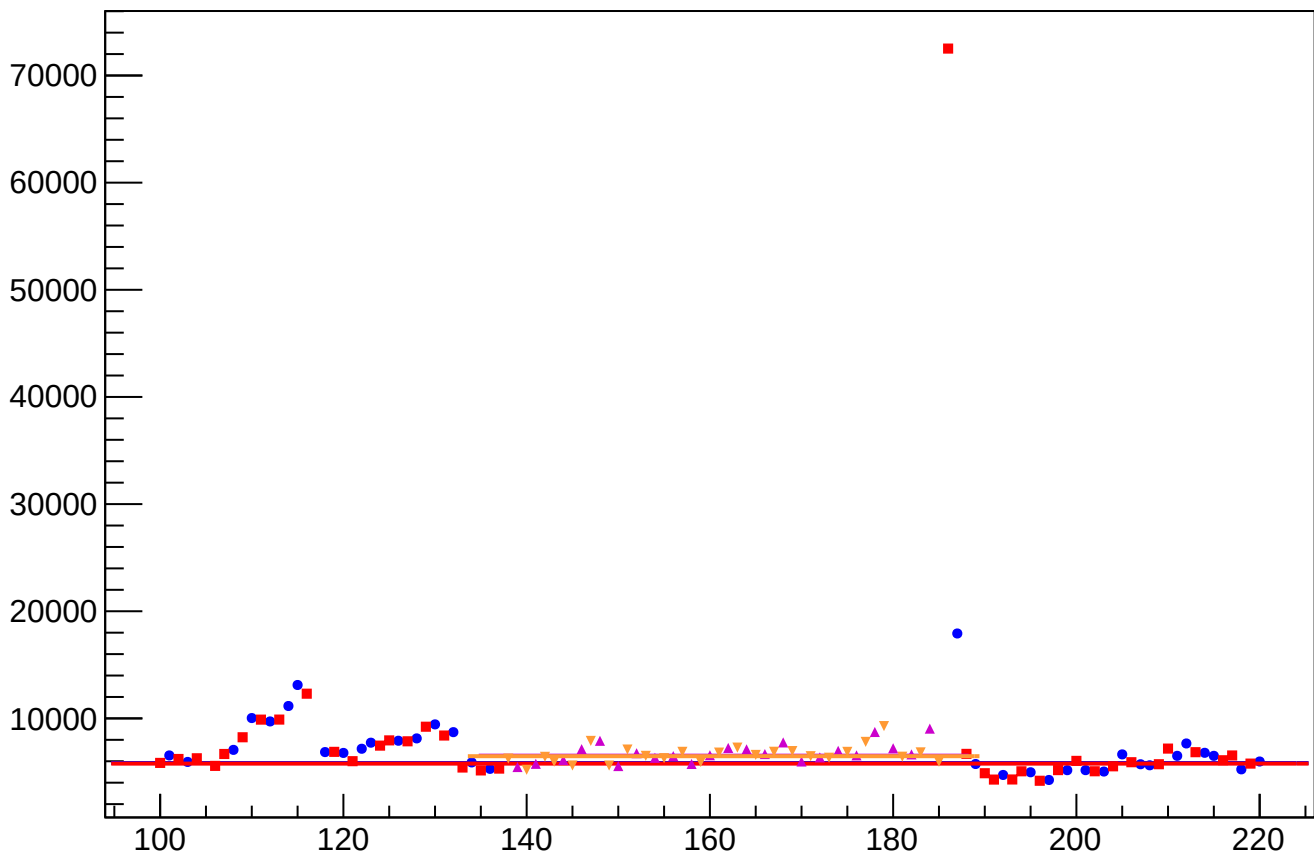
Left In: 1.638 $\pm$ 1.578 χ^2 /NDF: 33.7/22

+ sign 2.445 $\pm$ 1.022 χ^2 /NDF: 48.5/58

All: 3.460 $\pm$ 0.725 χ^2 /NDF: 164.2/118

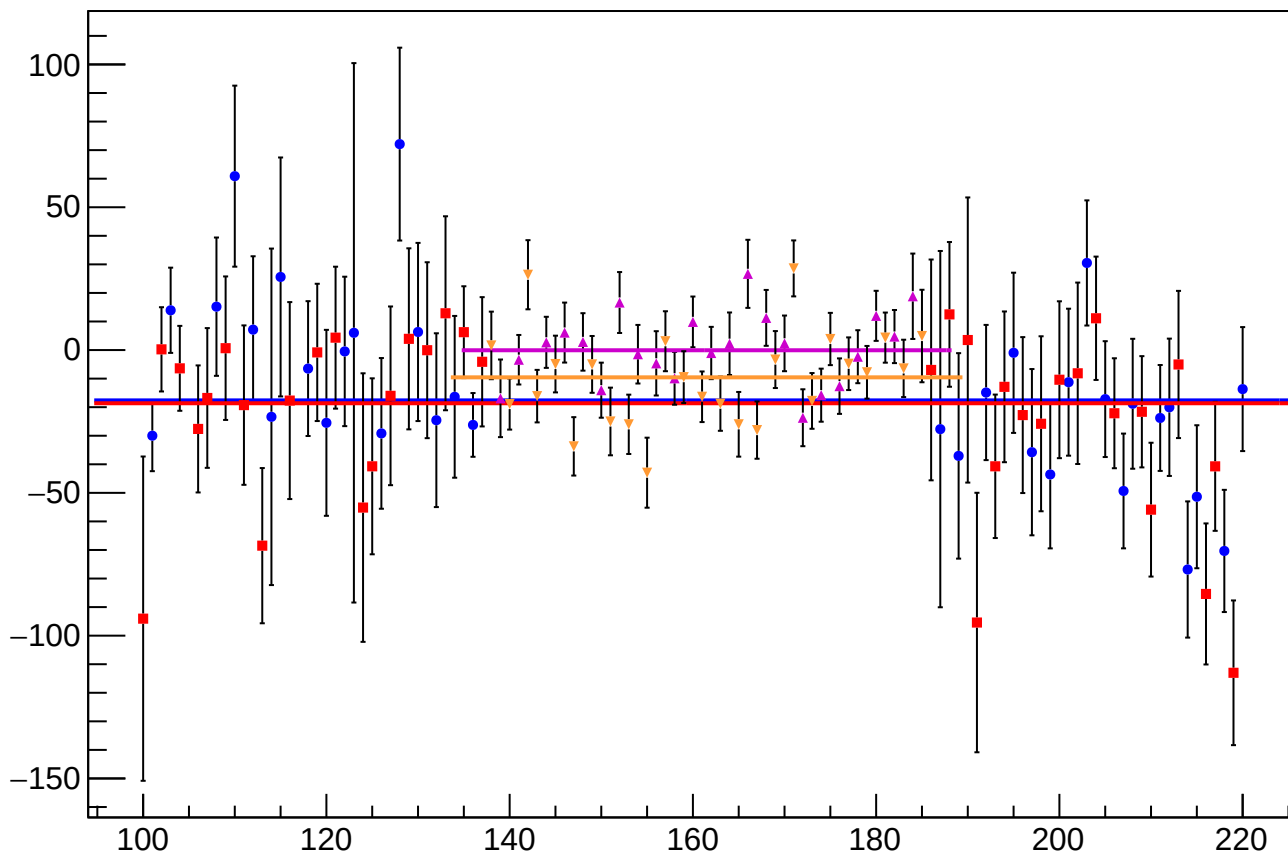
- sign 4.486 $\pm$ 1.028 χ^2 /NDF: 113.8/59

diff_bpm4ecY_rms vs Slug



Right In: 5834.285+/-0.975	χ^2/NDF : 1669911.2/33	+ sign 6121.122+/-0.723	χ^2/NDF : 2352780.9/58
Left Out: 6471.976+/-1.078	χ^2/NDF : 490282.9/24	All: 6108.443+/-0.513	χ^2/NDF : 5337973.3/11
Right Out: 5781.141+/-0.958	χ^2/NDF : 2250808.4/36	- sign 6095.622+/-0.727	χ^2/NDF : 2984573.7/59
Left In: 6521.975+/-1.116	χ^2/NDF : 480034.7/22		

diff_bpm1X_mean vs Slug



Right In: -17.625 ± 3.967 $\chi^2/\text{NDF}: 48.4/33$

Left Out: -9.554 ± 2.012 $\chi^2/\text{NDF}: 59.5/24$

Right Out: -18.628 ± 4.095 $\chi^2/\text{NDF}: 47.9/36$

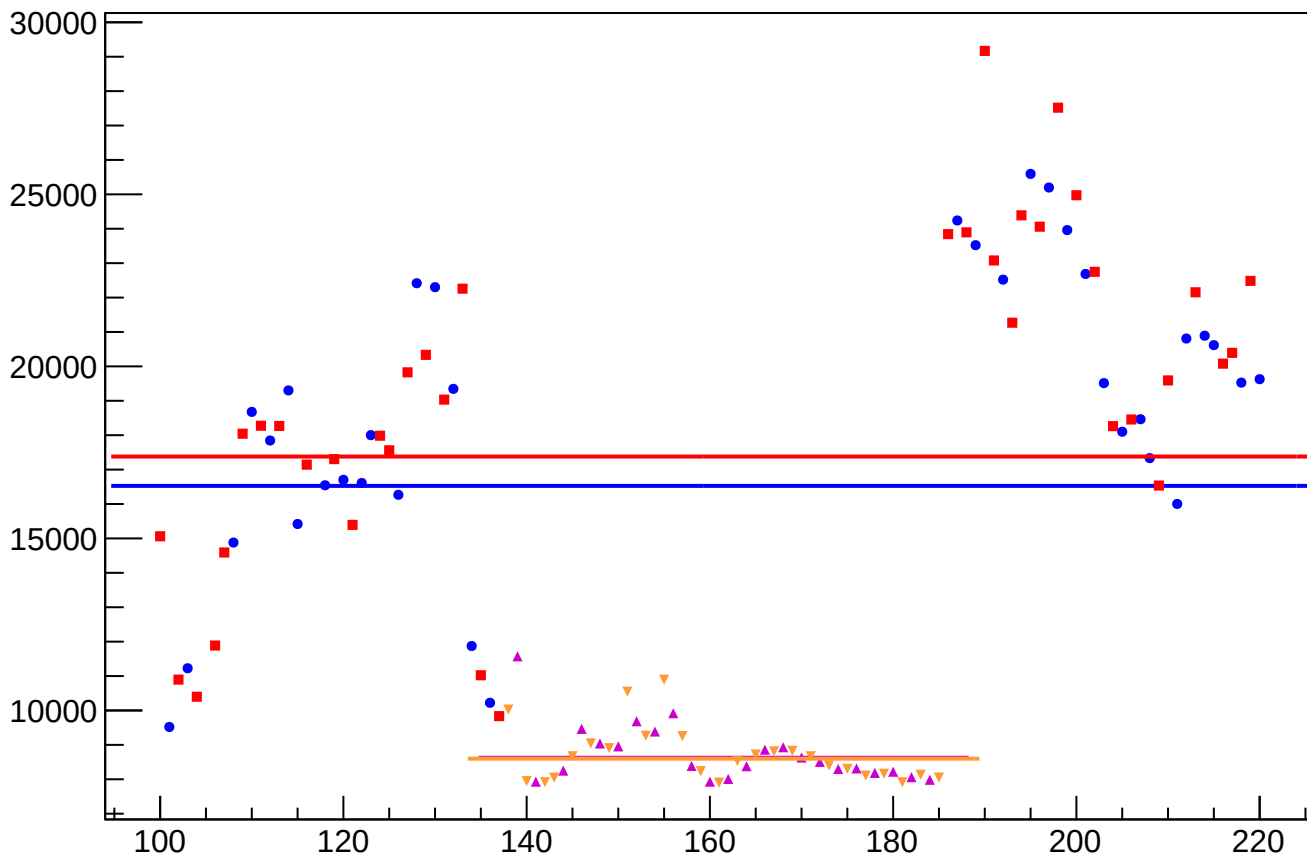
Left In: -0.072 ± 2.073 $\chi^2/\text{NDF}: 29.8/22$

+ sign -11.205 ± 1.794 $\chi^2/\text{NDF}: 111.2/58$

All: -7.642 ± 1.288 $\chi^2/\text{NDF}: 213.4/118$

- sign -3.856 ± 1.849 $\chi^2/\text{NDF}: 94.1/59$

diff_bpm1X_rms vs Slug



Right In: 16526.804 $\pm$ 2.805 χ^2 /NDF: 2994520.3/33

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 17379.358 $\pm$ 2.896 χ^2 /NDF: 2919265.7/36

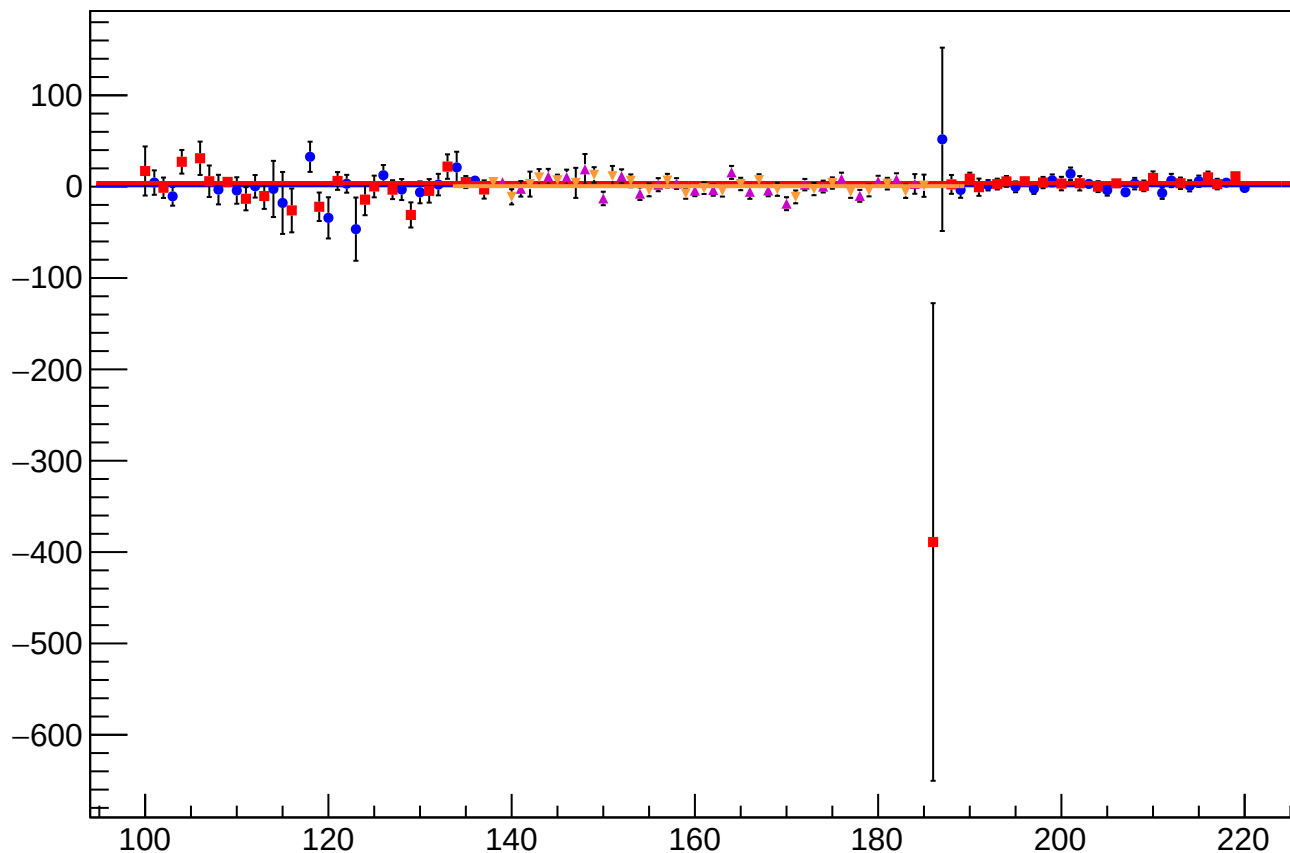
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 10220.889 $\pm$ 1.269 χ^2 /NDF: 9597735.2/58

All: 10312.869 $\pm$ 0.911 χ^2 /NDF: 20040954.8/100

- sign 10410.588 $\pm$ 1.308 χ^2 /NDF: 10432379.3/59

diff_bpm1Y_mean vs Slug



Right In: 1.480 $\pm$ 1.325 χ^2 /NDF: 25.8/33

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 4.014 $\pm$ 1.292 χ^2 /NDF: 32.0/36

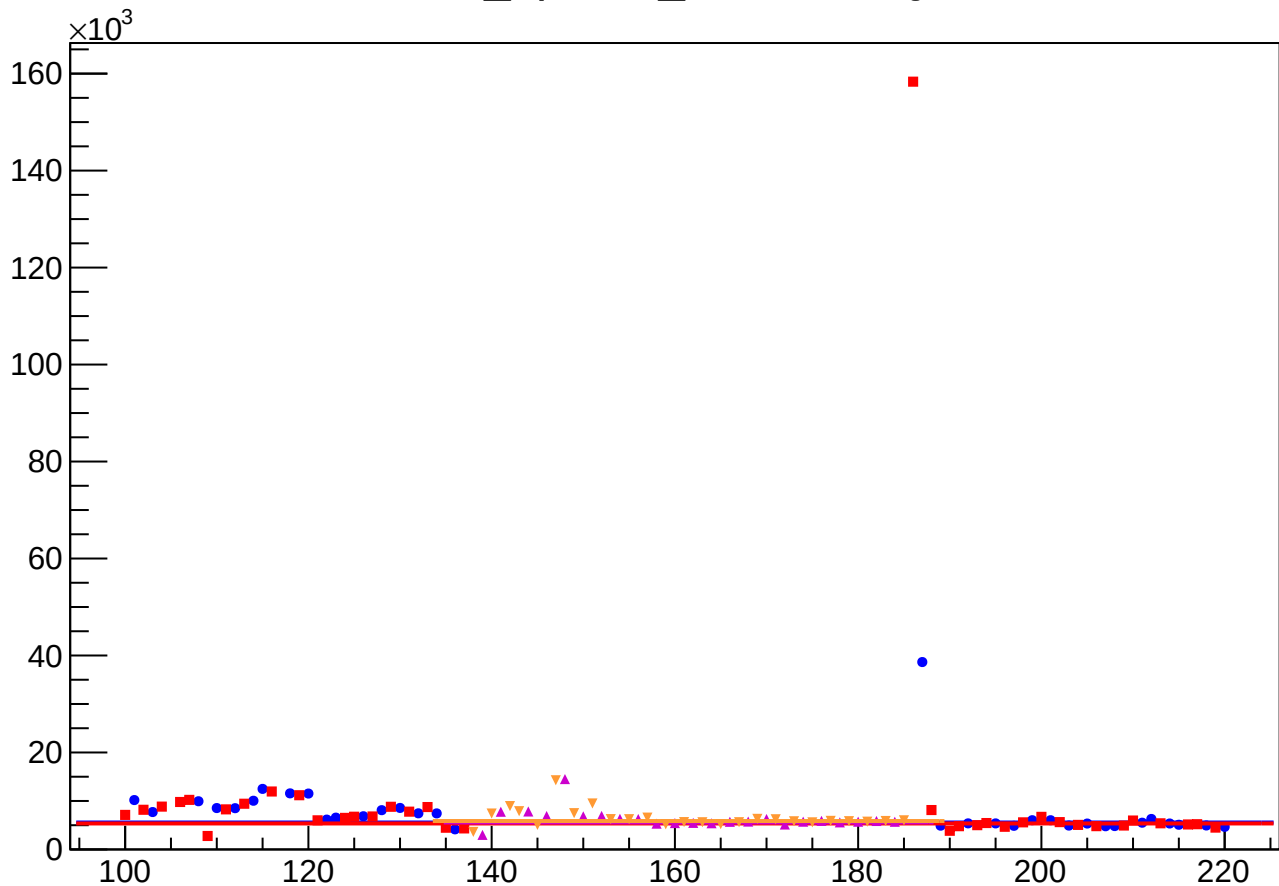
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 1.036 $\pm$ 0.968 χ^2 /NDF: 45.6/58

All: 1.858 $\pm$ 0.677 χ^2 /NDF: 113.9/118

- sign 2.646 $\pm$ 0.948 χ^2 /NDF: 66.9/59

diff_bpm1Y_rms vs Slug



Right In: 5559.123 ± 0.937 $\chi^2/\text{NDF}: 2234489.7/33$

Left Out: 5860.605 ± 1.002 $\chi^2/\text{NDF}: 1690049.2/24$

Right Out: 5359.746 ± 0.914 $\chi^2/\text{NDF}: 3529901.3/36$

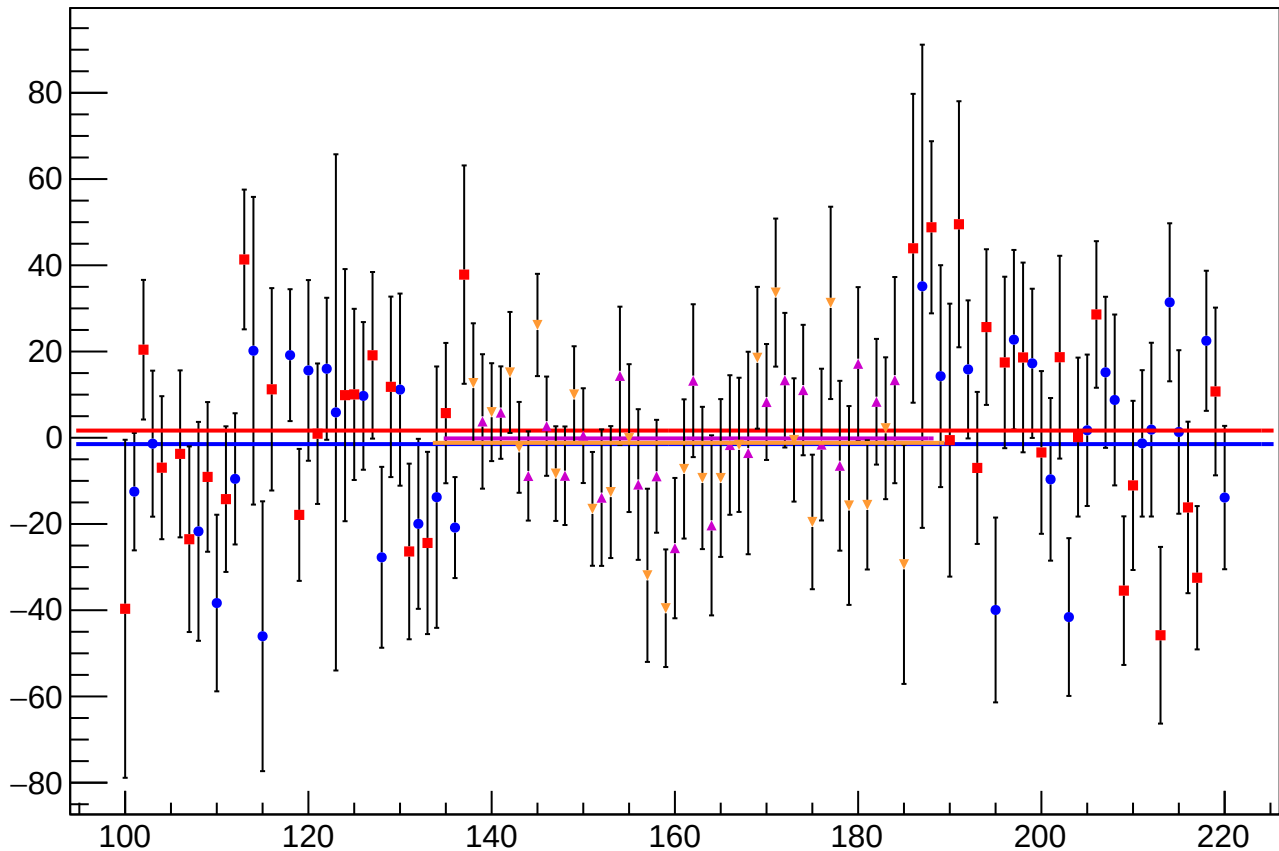
Left In: 5571.330 ± 0.987 $\chi^2/\text{NDF}: 2162788.3/22$

+ sign 5699.660 ± 0.684 $\chi^2/\text{NDF}: 3972828.2/58$

All: 5576.029 ± 0.479 $\chi^2/\text{NDF}: 9754214.3/11$

- sign 5457.402 ± 0.670 $\chi^2/\text{NDF}: 5717444.0/59$

diff_bpm11X_mean vs Slug



Right In: -1.473 ± 3.234 χ^2/NDF : 36.8/33

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 1.667 ± 3.217 χ^2/NDF : 51.9/36

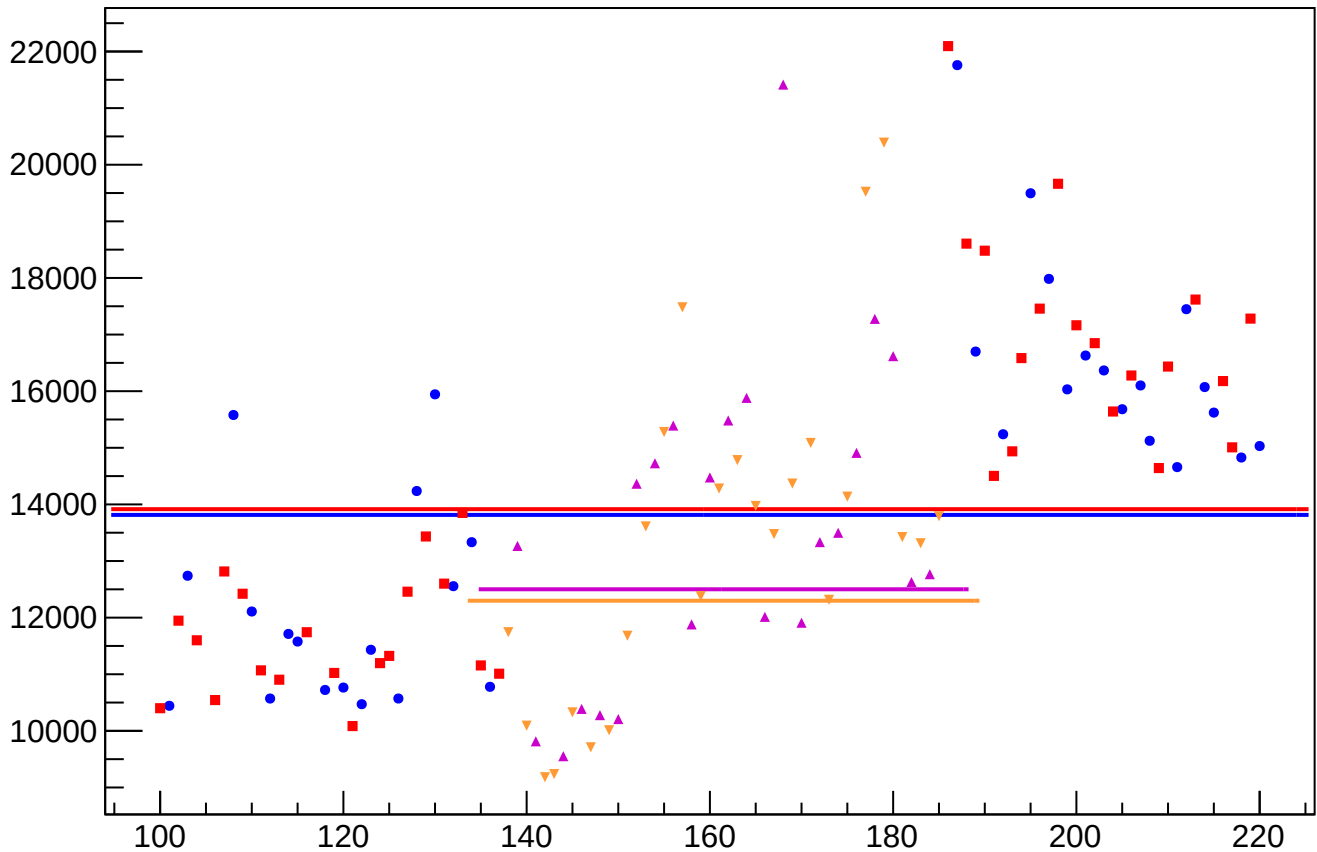
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -1.314 ± 2.175 χ^2/NDF : 70.5/58

All: -0.322 ± 1.552 χ^2/NDF : 134.5/118

- sign 0.709 ± 2.216 χ^2/NDF : 63.5/59

diff_bpm11X_rms vs Slug



Right In: 13814.822+/-2.287 χ^2/NDF : 1326456.3/33

Left Out: 12298.676+/-2.078 χ^2/NDF : 1506026.8/24

Right Out: 13915.941+/-2.275 χ^2/NDF : 1496893.4/36

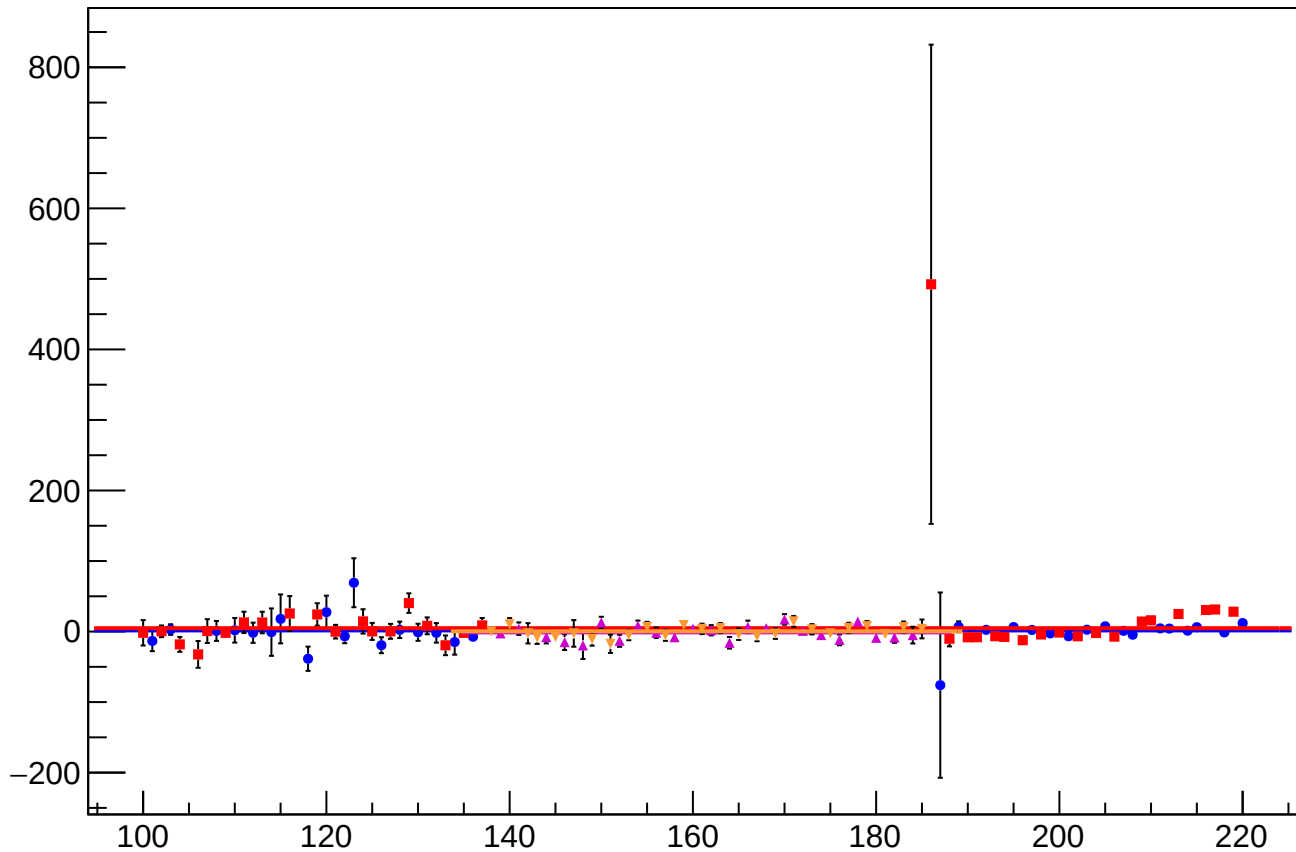
Left In: 12500.795+/-2.162 χ^2/NDF : 1357889.1/22

+ sign 12984.377+/-1.538 χ^2/NDF : 3073224.9/58

All: 13076.670+/-1.098 χ^2/NDF : 6138647.3/100

- sign 13172.514+/-1.567 χ^2/NDF : 3058081.5/59

diff_bpm11Y_mean vs Slug



Right In: 1.602 ± 1.097 χ^2/NDF : 35.8/33

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: 4.768 ± 1.108 χ^2/NDF : 179.7/36

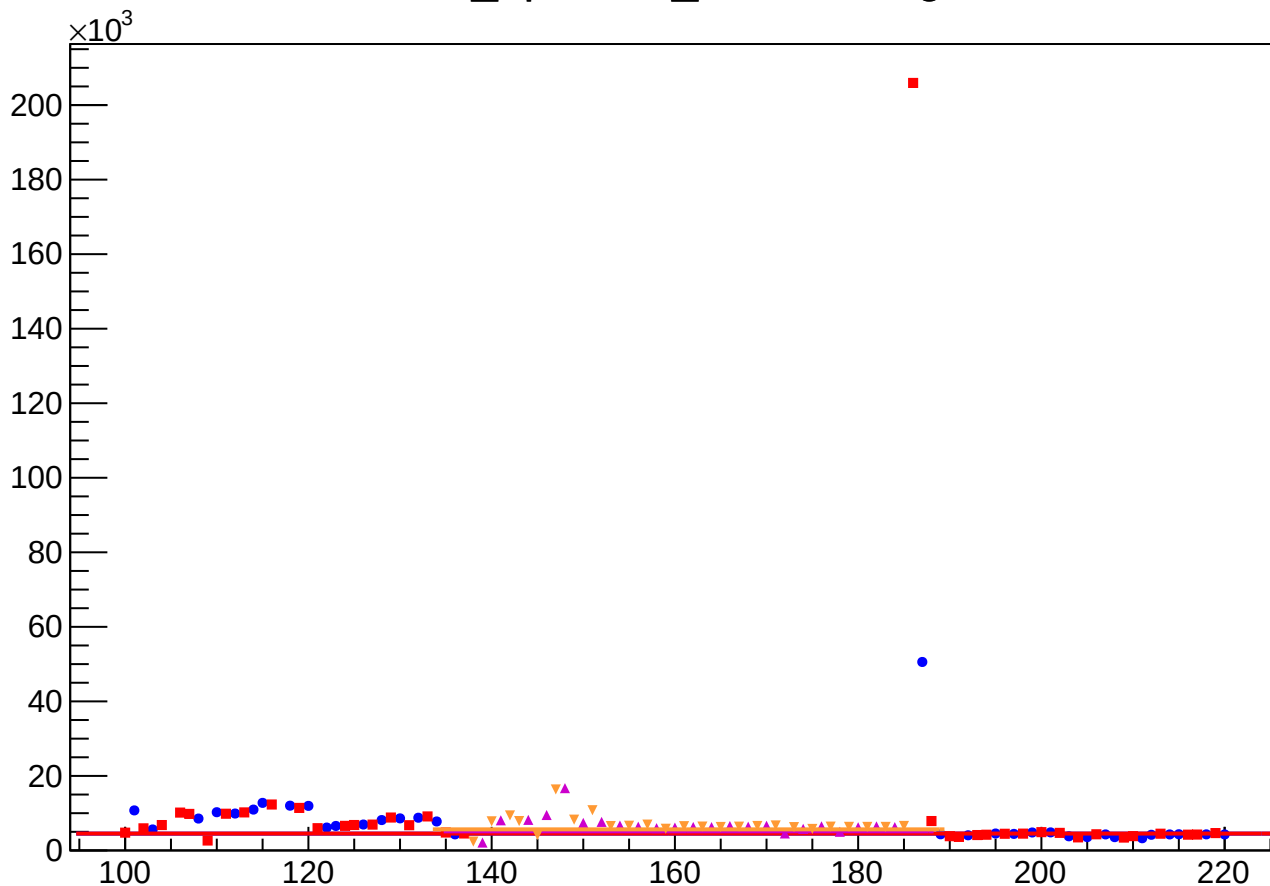
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 1.141 ± 0.871 χ^2/NDF : 55.4/58

All: 1.790 ± 0.613 χ^2/NDF : 281.1/118

- sign 2.425 ± 0.862 χ^2/NDF : 224.6/59

diff_bpm11Y_rms vs Slug



Right In: 4512.942 ± 0.776 $\chi^2/\text{NDF}: 3452699.1/33$

Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$

Right Out: 4531.239 ± 0.784 $\chi^2/\text{NDF}: 3974046.1/36$

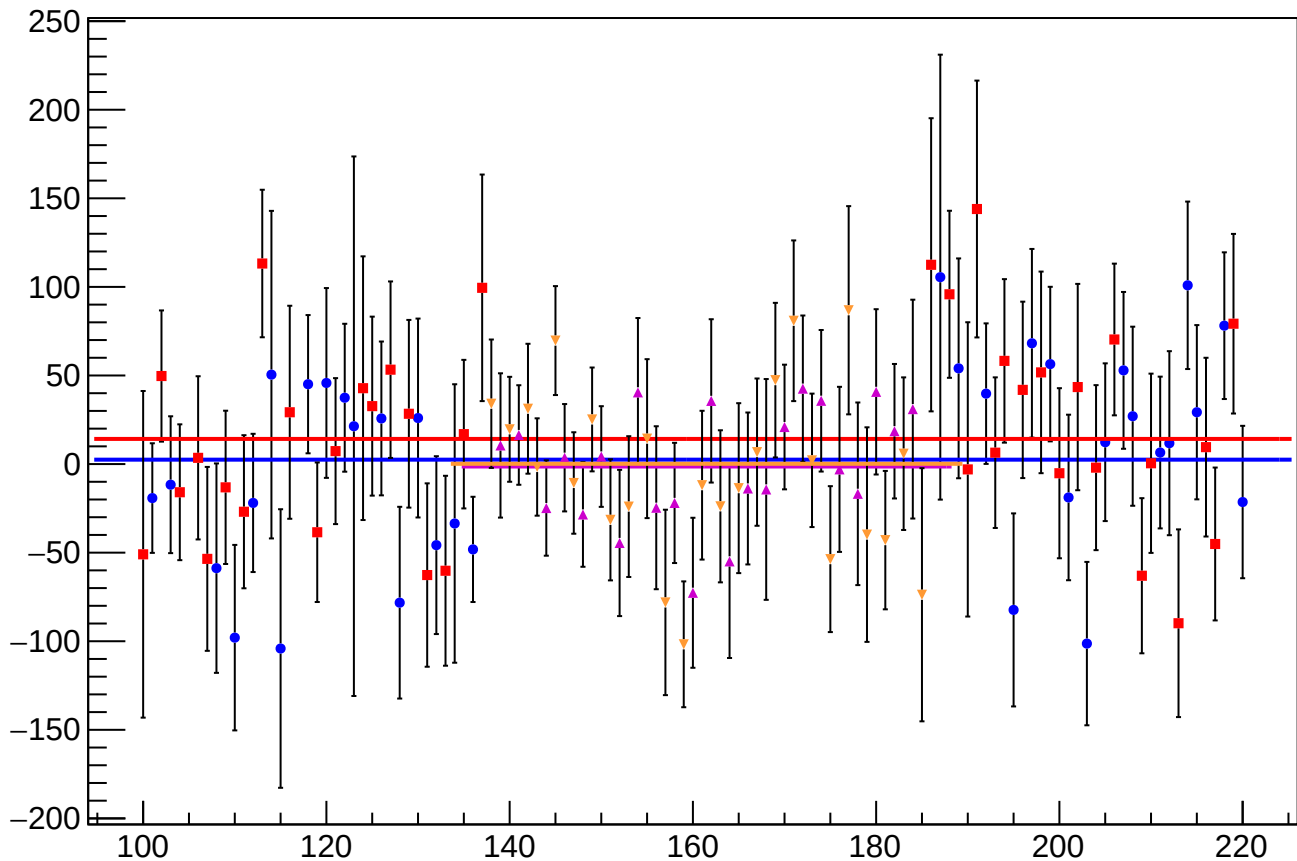
Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$

+ sign 4936.597 ± 0.616 $\chi^2/\text{NDF}: 8387985.8/58$

All: 4852.808 ± 0.433 $\chi^2/\text{NDF}: 18130916.3/100$

- sign 4770.823 ± 0.609 $\chi^2/\text{NDF}: 9706340.8/59$

diff_bpm12X_mean vs Slug



Right In: 2.487 ± 8.106 $\chi^2/\text{NDF}: 40.1/33$

Left Out: 0.143 ± 7.683 $\chi^2/\text{NDF}: 31.3/24$

Right Out: 14.193 ± 8.062 $\chi^2/\text{NDF}: 41.7/36$

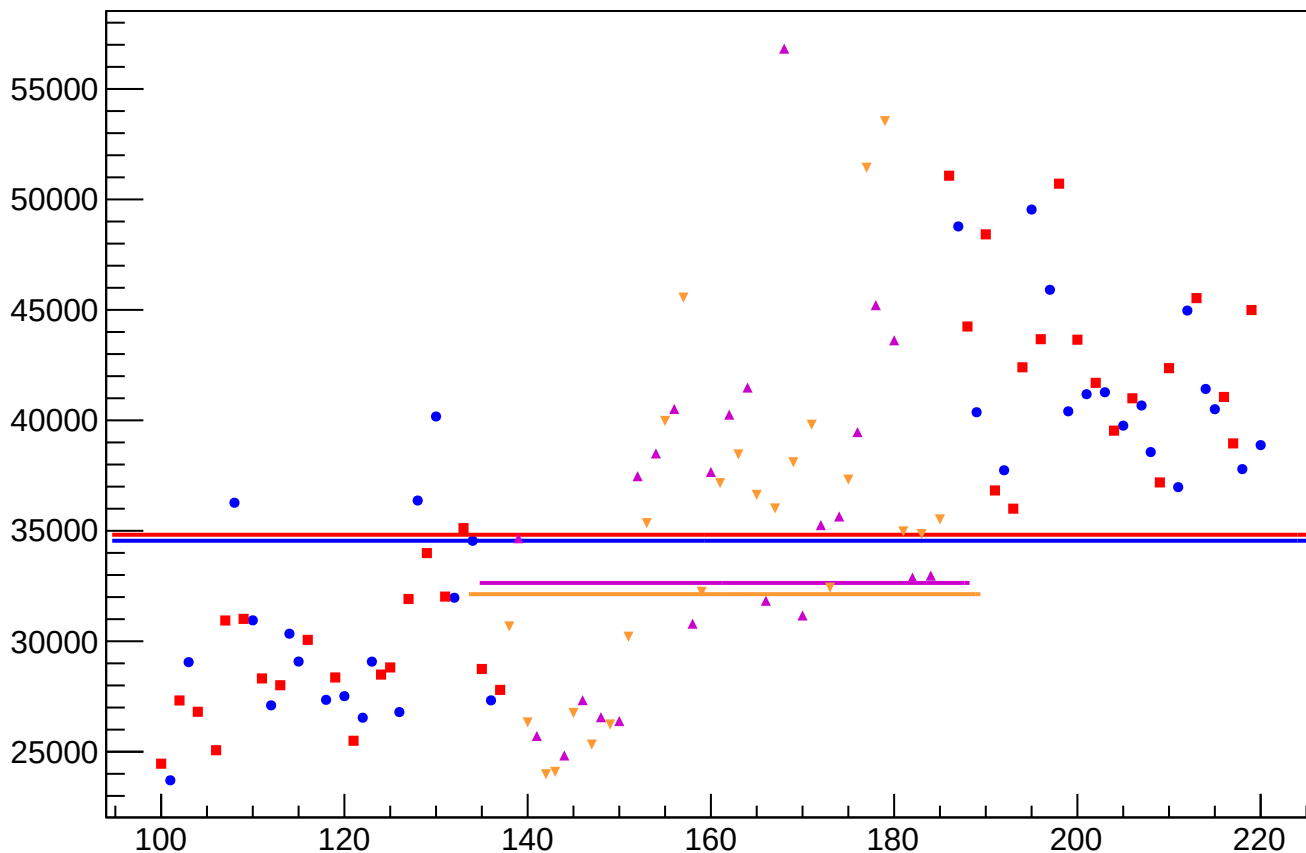
Left In: -1.374 ± 7.990 $\chi^2/\text{NDF}: 13.3/22$

+ sign 1.252 ± 5.576 $\chi^2/\text{NDF}: 71.4/58$

All: 3.752 ± 3.978 $\chi^2/\text{NDF}: 128.7/118$

- sign 6.340 ± 5.675 $\chi^2/\text{NDF}: 56.9/59$

diff_bpm12X_rms vs Slug



Right In: 34550.367+/-5.732 χ^2/NDF : 1459888.0/33

Left Out: 32132.314+/-5.433 χ^2/NDF : 1540079.4/24

Right Out: 34821.569+/-5.701 χ^2/NDF : 1607222.4/36

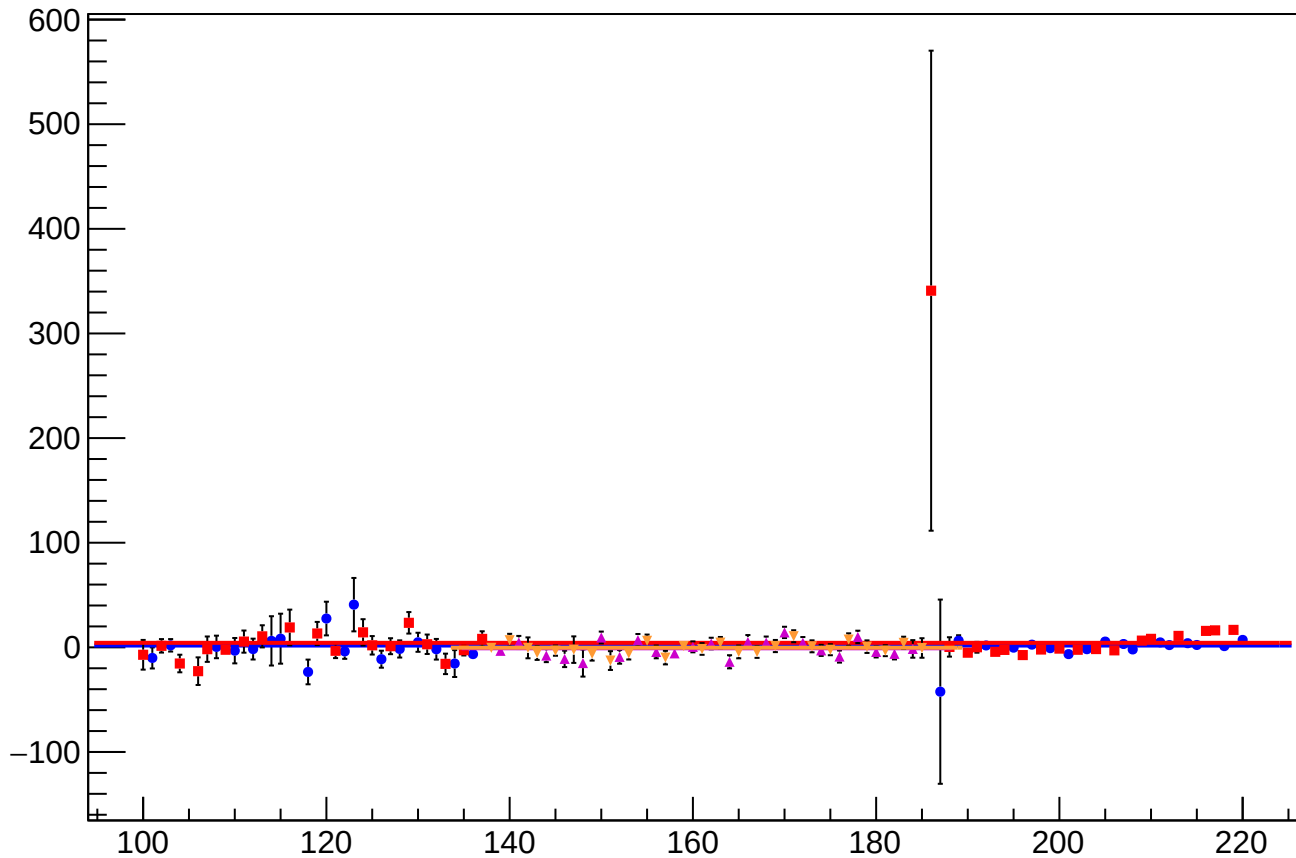
Left In: 32641.162+/-5.650 χ^2/NDF : 1402162.4/22

+ sign 33276.600+/-3.943 χ^2/NDF : 3093710.3/58

All: 33495.220+/-2.813 χ^2/NDF : 6183153.6/100

- sign 33721.644+/-4.013 χ^2/NDF : 3083185.7/59

diff_bpm12Y_mean vs Slug



Right In: 1.727 ± 0.624 χ^2/NDF : 46.7/33

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: 4.315 ± 0.655 χ^2/NDF : 170.2/36

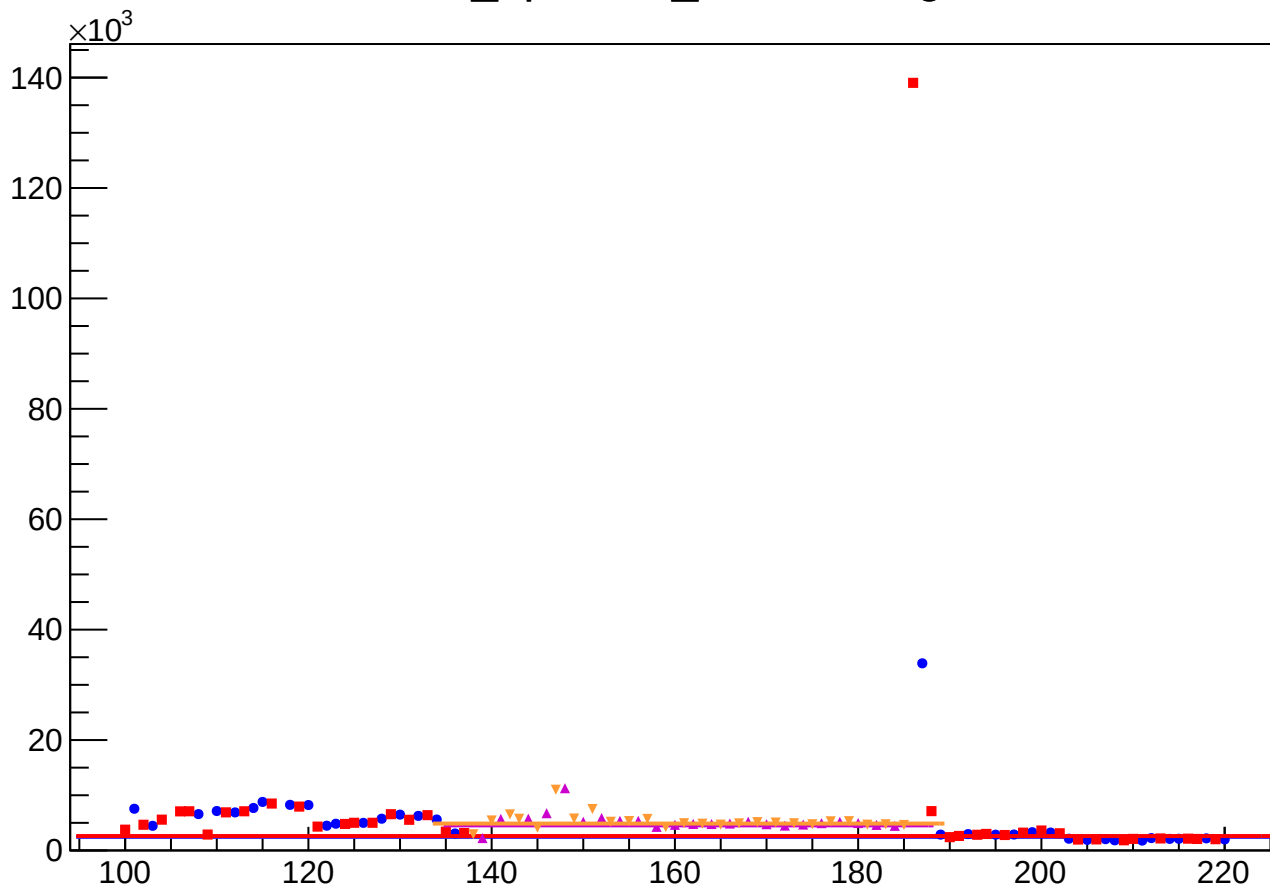
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign 1.277 ± 0.550 χ^2/NDF : 66.7/58

All: 2.121 ± 0.395 χ^2/NDF : 293.7/118

- sign 3.021 ± 0.569 χ^2/NDF : 222.1/59

diff_bpm12Y_rms vs Slug



Right In: 2481.163 ± 0.441 $\chi^2/\text{NDF}: 5647701.9/33$

Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$

Right Out: 2606.576 ± 0.464 $\chi^2/\text{NDF}: 6206584.5/36$

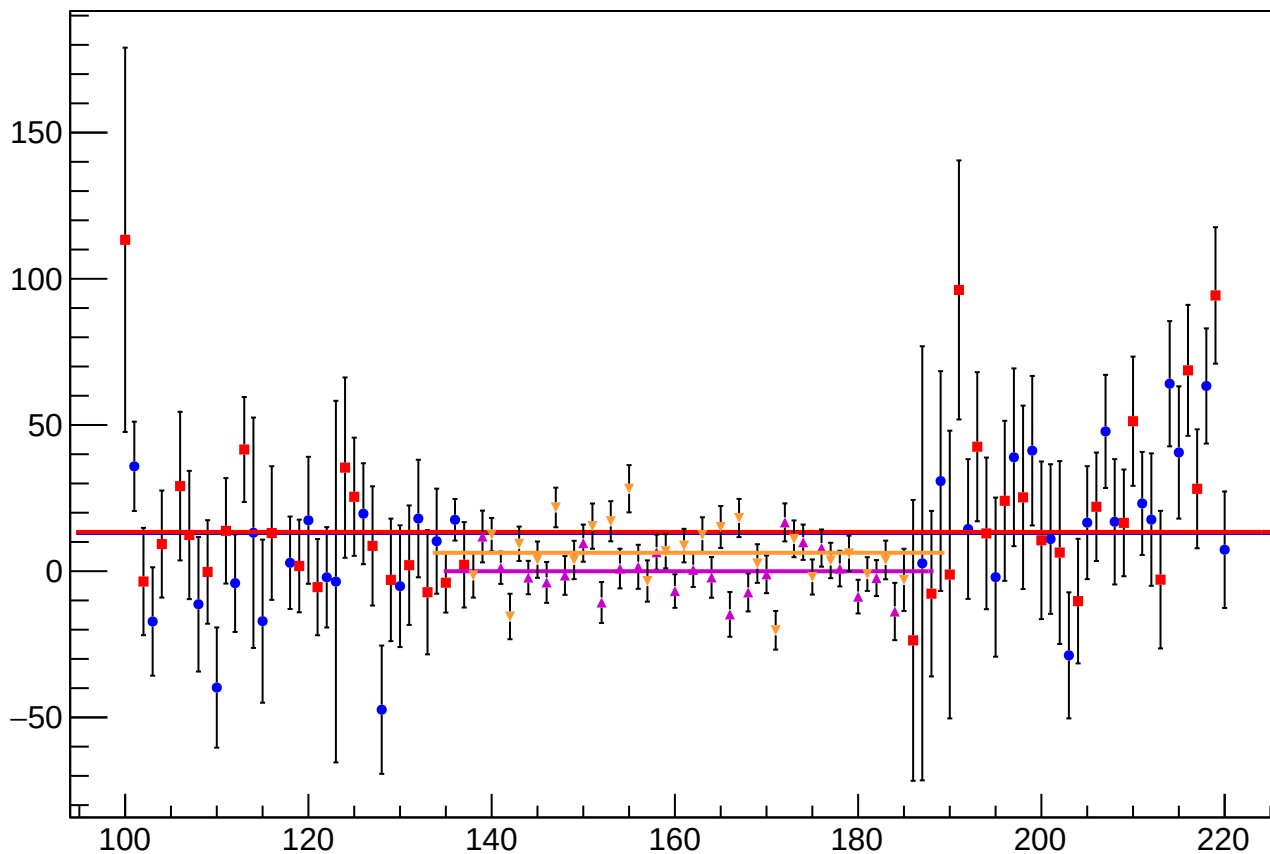
Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

+ sign 3008.072 ± 0.389 $\chi^2/\text{NDF}: 13629785.0/58$

All: 3046.098 ± 0.280 $\chi^2/\text{NDF}: 26820696.5/100$

- sign 3086.664 ± 0.402 $\chi^2/\text{NDF}: 13171183.9/59$

diff_bpm16X_mean vs Slug



Right In: 13.076 ± 3.296 $\chi^2/\text{NDF}: 48.8/33$

Left Out: 6.296 ± 1.310 $\chi^2/\text{NDF}: 56.5/24$

Right Out: 13.430 ± 3.442 $\chi^2/\text{NDF}: 44.7/36$

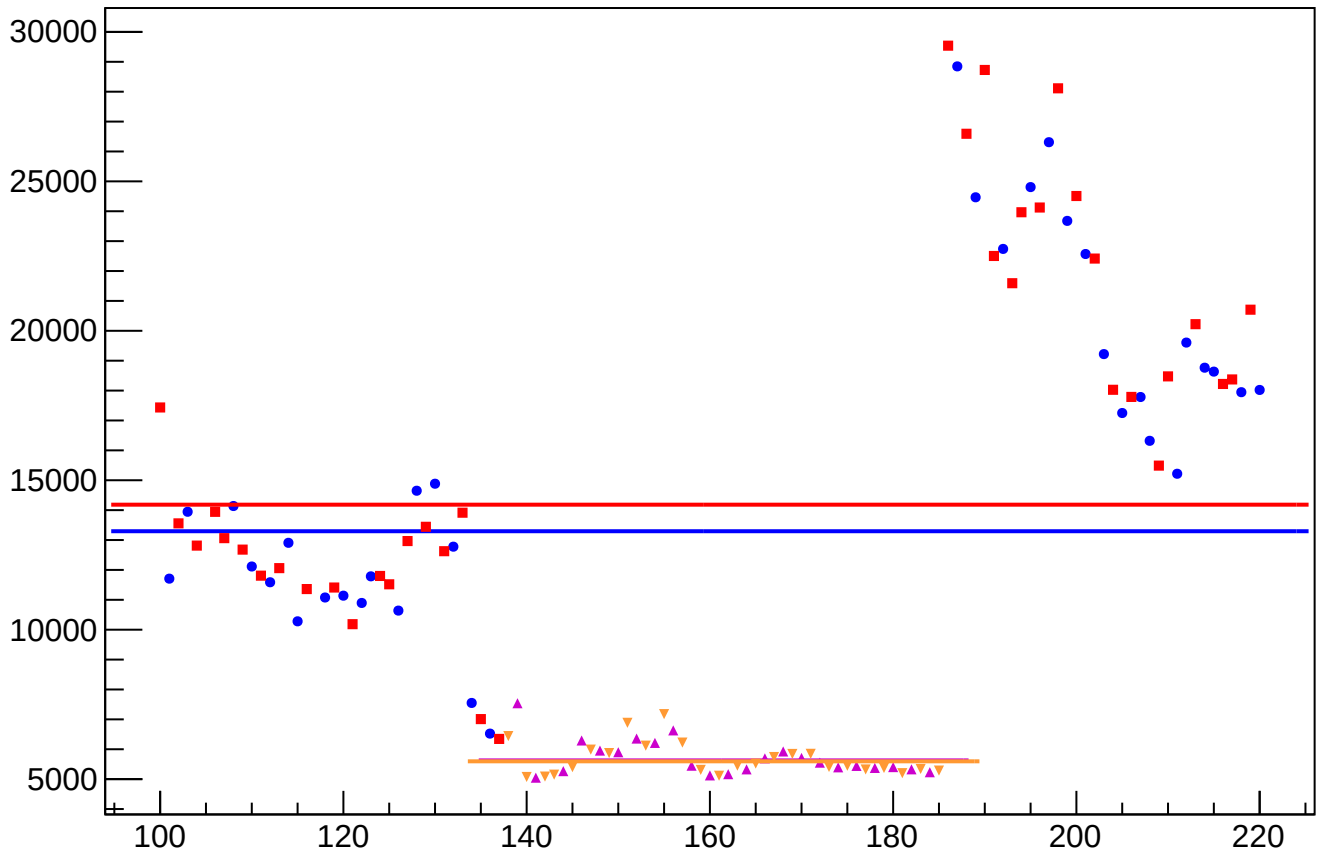
Left In: -0.020 ± 1.353 $\chi^2/\text{NDF}: 29.9/22$

+ sign 7.221 ± 1.218 $\chi^2/\text{NDF}: 109.0/58$

All: 4.592 ± 0.875 $\chi^2/\text{NDF}: 206.5/118$

- sign 1.780 ± 1.259 $\chi^2/\text{NDF}: 87.9/59$

diff_bpm16X_rms vs Slug



Right In: 13294.458+/-2.331 χ^2/NDF : 5183227.5/33

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

+ sign 6646.576+/-0.861 χ^2/NDF : 14886633.9/58

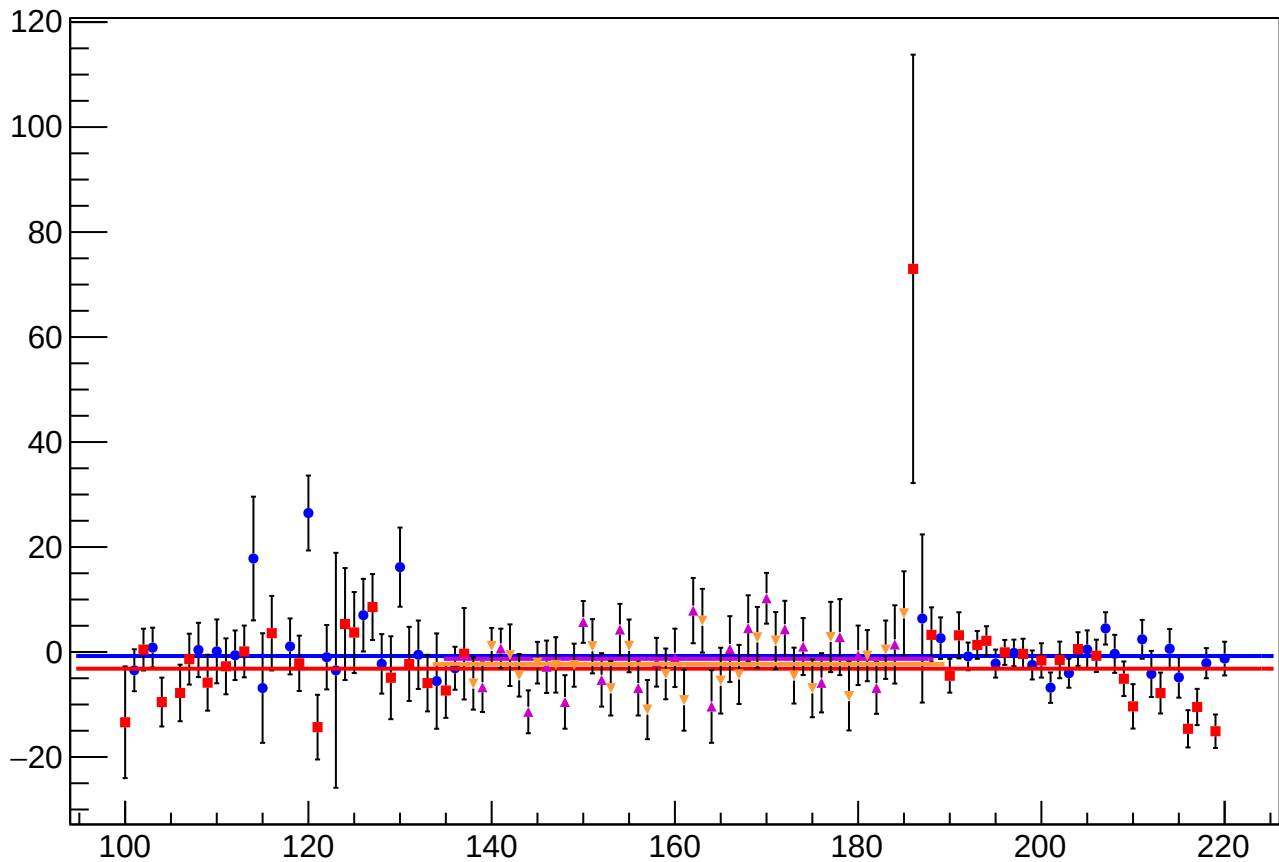
Right Out: 14182.719+/-2.434 χ^2/NDF : 4982562.7/36

All: 6707.473+/-0.619 χ^2/NDF : 30863094.7/100

- sign 6772.615+/-0.890 χ^2/NDF : 15966105.4/59

Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

diff_bpm16Y_mean vs Slug



Right In: -0.760 ± 0.684 χ^2/NDF : 38.5/33

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -3.176 ± 0.679 χ^2/NDF : 67.8/36

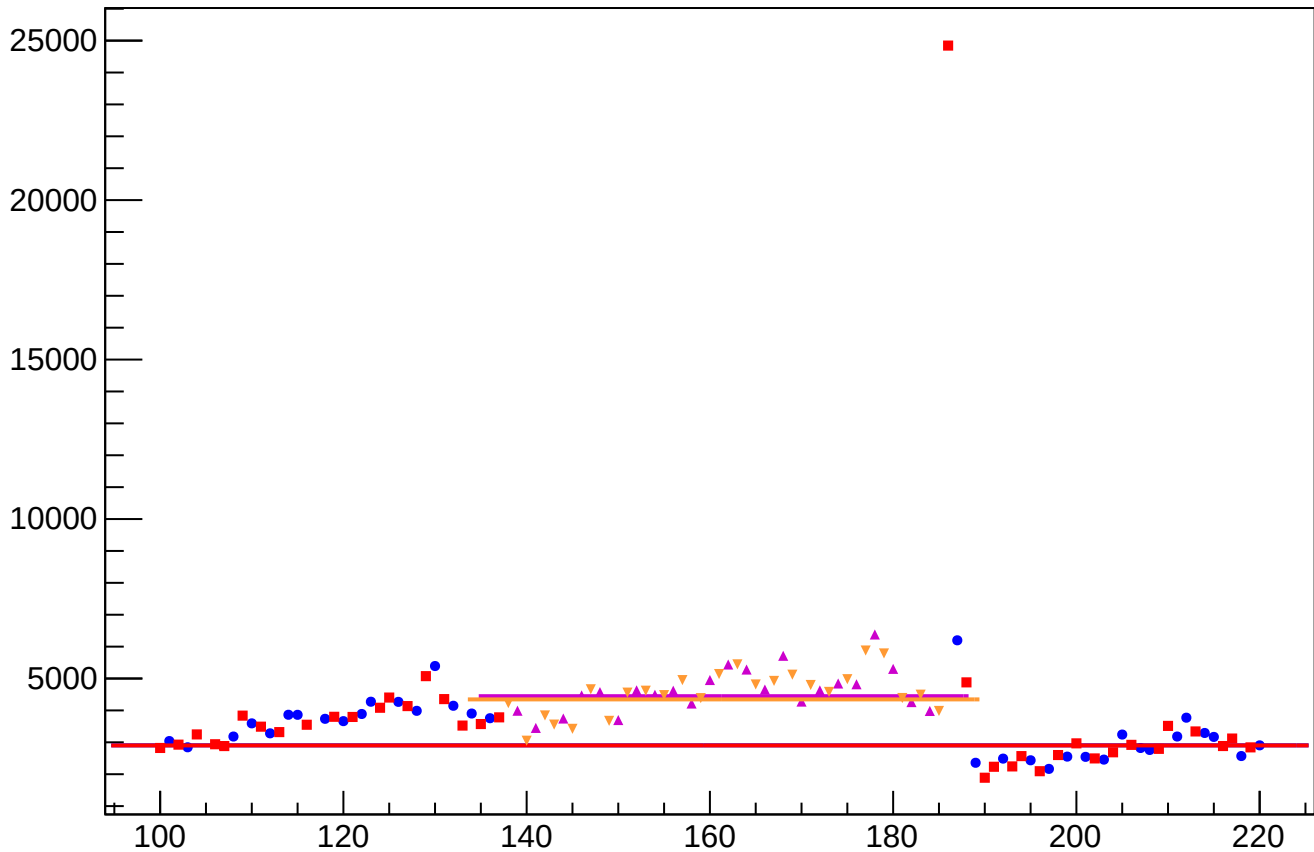
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.222 ± 0.570 χ^2/NDF : 55.4/58

All: -1.927 ± 0.405 χ^2/NDF : 159.2/118

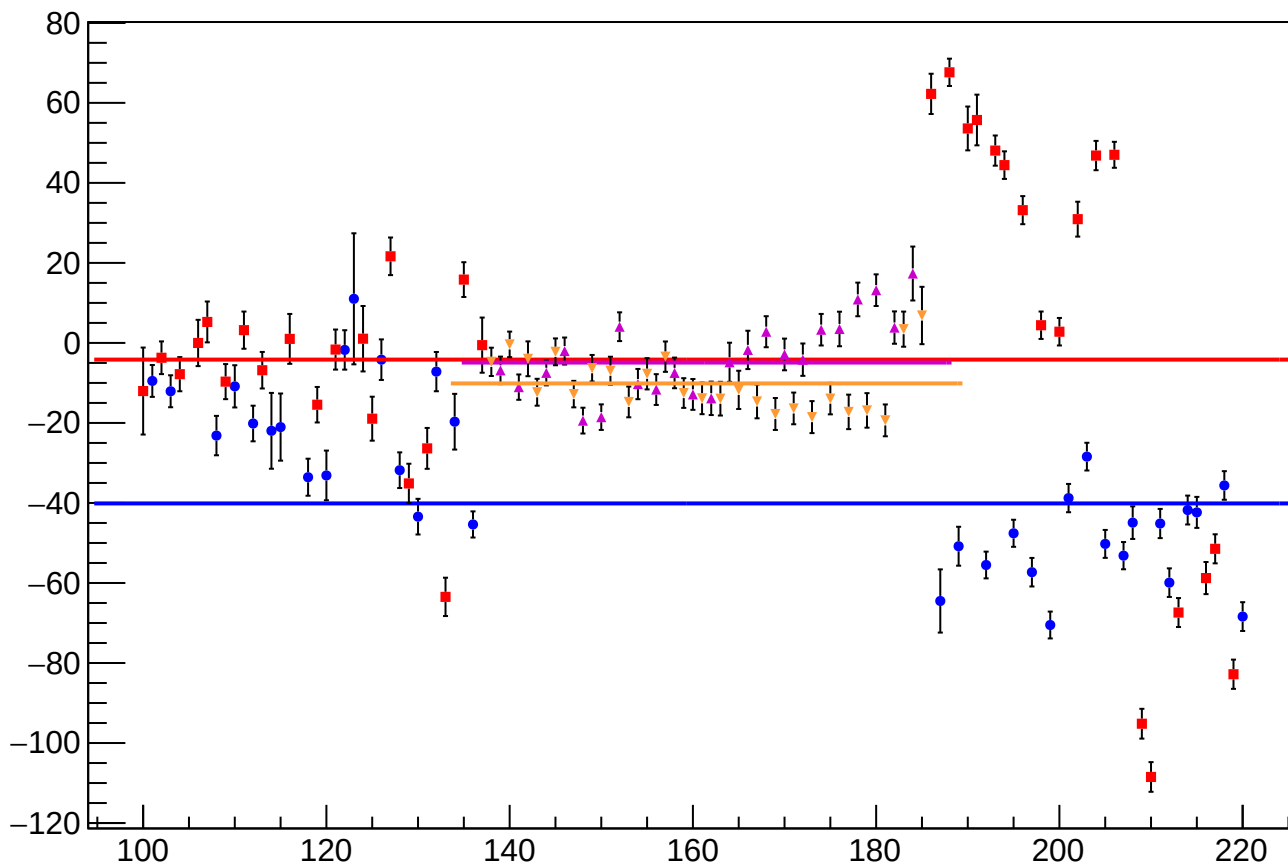
- sign -2.643 ± 0.575 χ^2/NDF : 100.8/59

diff_bpm16Y_rms vs Slug



Right In: 2905.305+/-0.484	χ^2/NDF : 1448908.9/33	+ sign 3346.783+/-0.403	χ^2/NDF : 5163525.1/58
Left Out: 4345.381+/-0.728	χ^2/NDF : 1000636.1/24	All: 3344.146+/-0.286	χ^2/NDF : 11154299.6/1
Right Out: 2902.163+/-0.480	χ^2/NDF : 2347149.3/36	- sign 3341.468+/-0.406	χ^2/NDF : 5990688.2/59
Left In: 4446.181+/-0.762	χ^2/NDF : 702797.6/22		

diff_bpm0l01X_mean vs Slug



Right In: -40.118 ± 0.718 χ^2/NDF : 642.2/33

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: -4.170 ± 0.709 χ^2/NDF : 4637.8/36

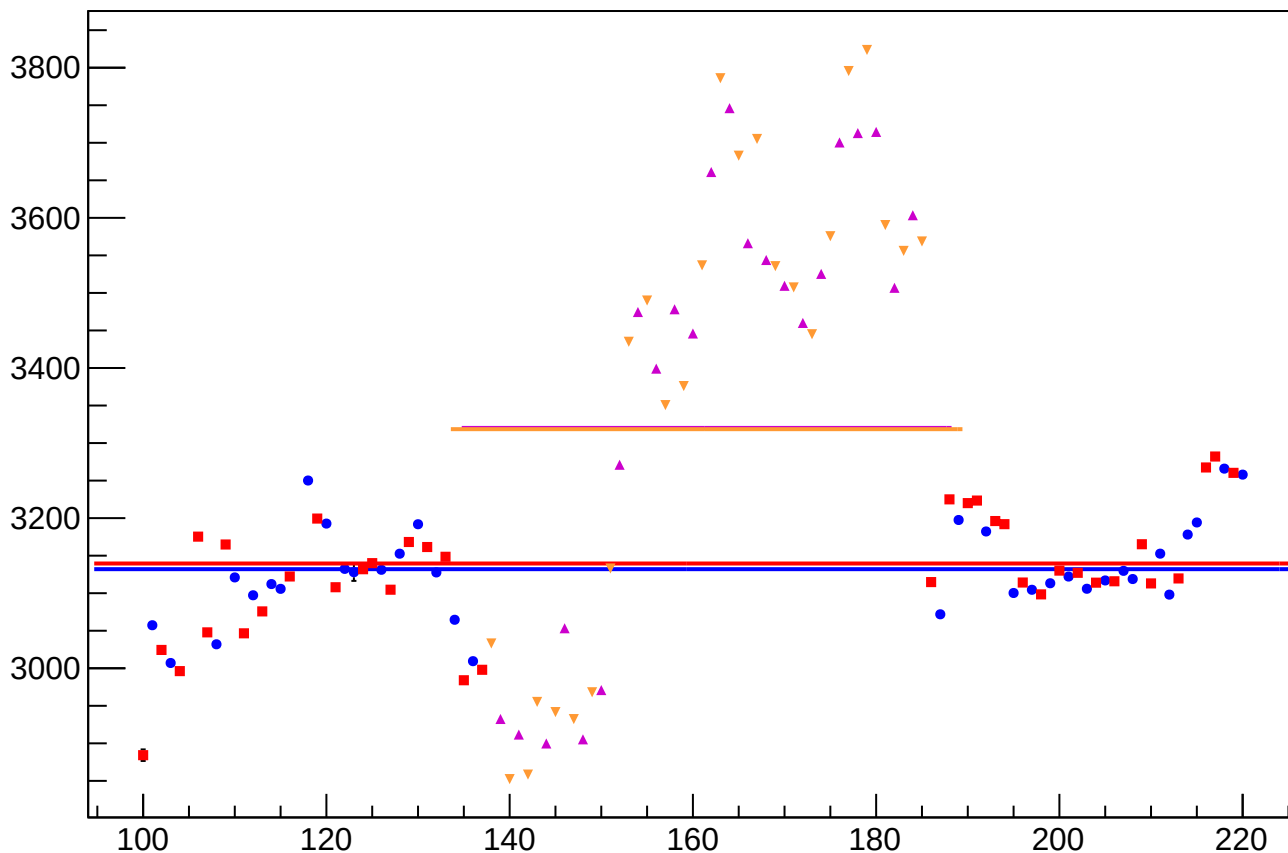
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -26.268 ± 0.527 χ^2/NDF : 1515.3/58

All: -15.440 ± 0.374 χ^2/NDF : 7130.4/118

- sign -4.497 ± 0.530 χ^2/NDF : 4766.2/59

diff_bpm0l01X_rms vs Slug



Right In: 3132.017 $\pm$ 0.508 χ^2 /NDF: 16367.4/33

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3139.560 $\pm$ 0.501 χ^2 /NDF: 22191.0/36

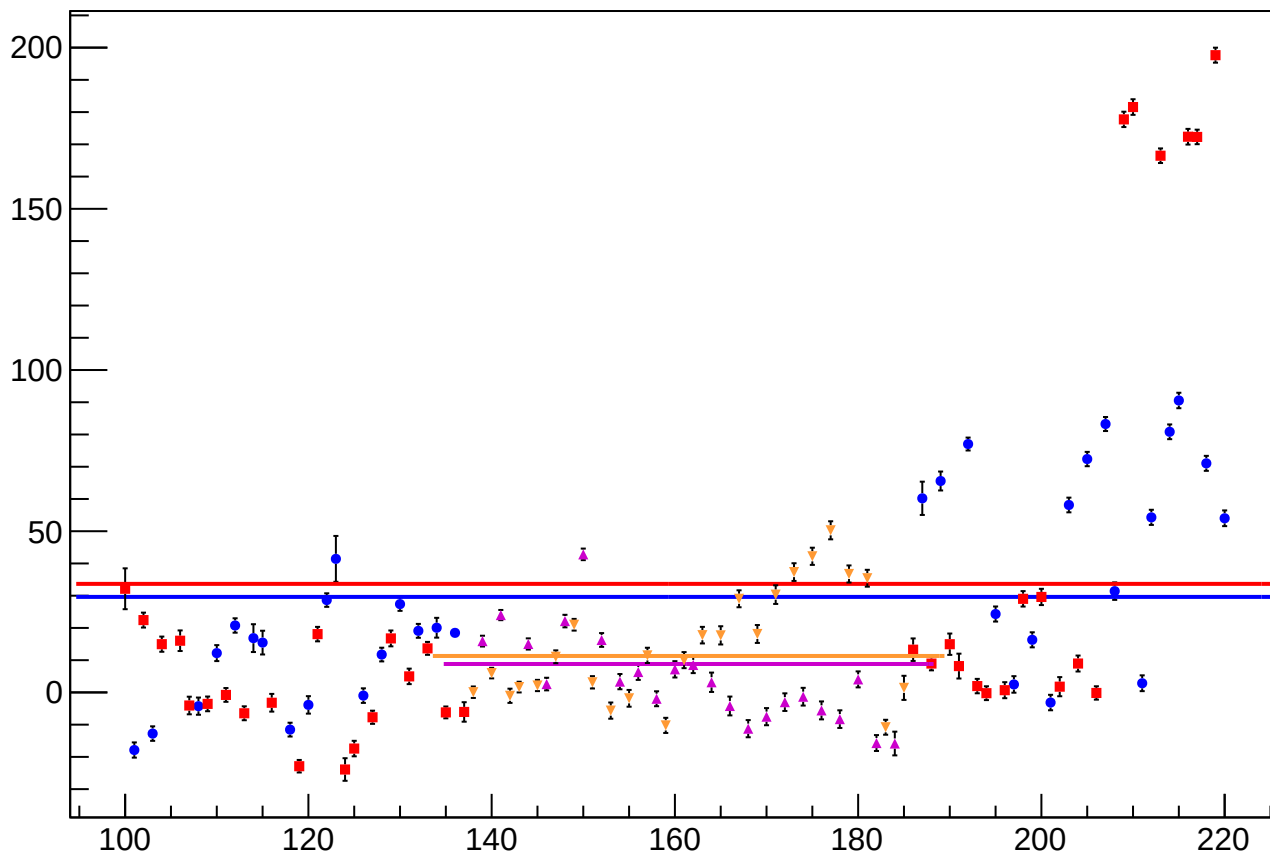
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3218.134 $\pm$ 0.373 χ^2 /NDF: 416317.1/58

All: 3218.729 $\pm$ 0.264 χ^2 /NDF: 783473.7/118

- sign 3219.331 $\pm$ 0.375 χ^2 /NDF: 367151.4/59

diff_bpm0l01Y_mean vs Slug



Right In: 29.625 ± 0.406 χ^2/NDF : 5905.6/33

Left Out: 11.305 ± 0.454 χ^2/NDF : 1144.3/24

Right Out: 33.667 ± 0.398 χ^2/NDF : 28505.1/36

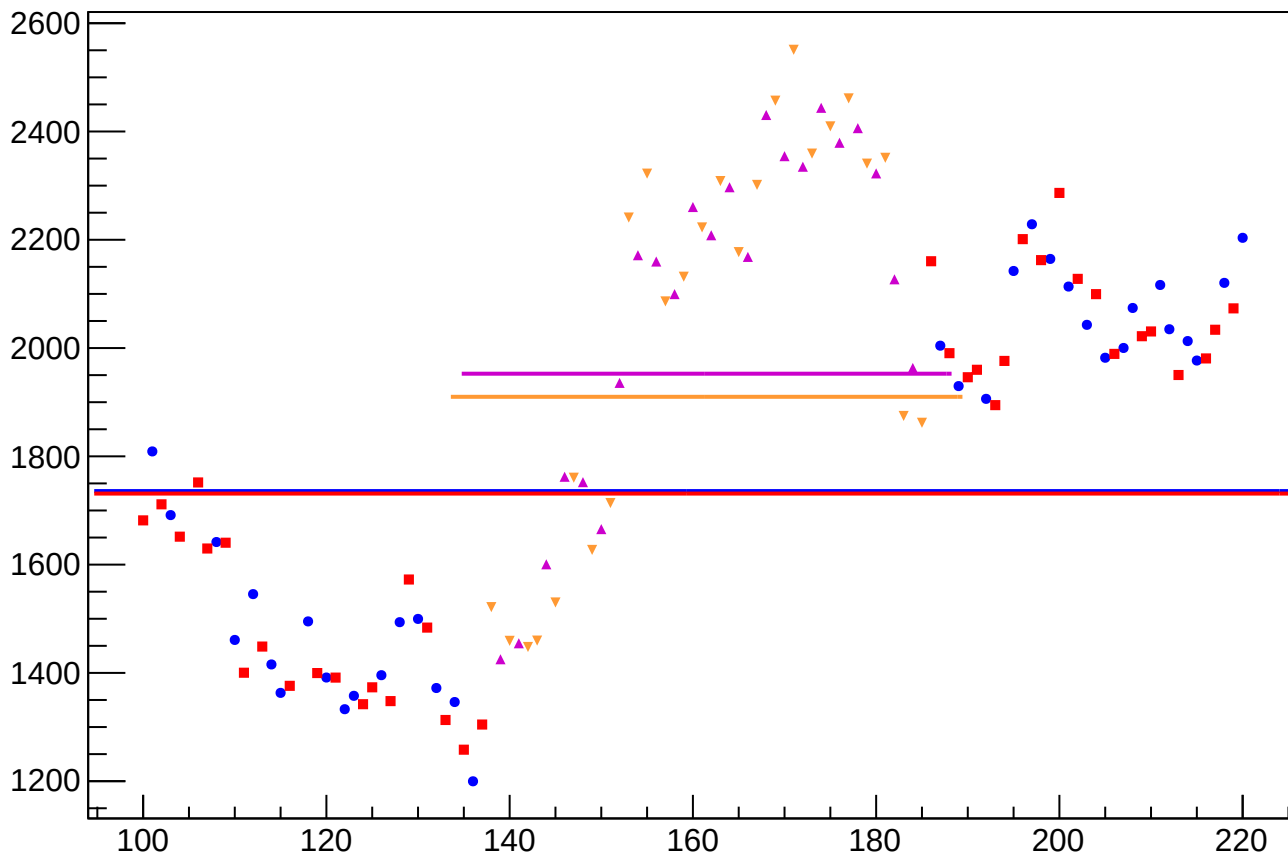
Left In: 8.815 ± 0.475 χ^2/NDF : 942.2/22

+ sign 21.477 ± 0.303 χ^2/NDF : 7954.7/58

All: 22.441 ± 0.215 χ^2/NDF : 39028.8/118

- sign 23.422 ± 0.305 χ^2/NDF : 31053.6/59

diff_bpm0l01Y_rms vs Slug



Right In: 1735.835 $\pm$ 0.287 χ^2 /NDF: 1394124.9/33

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1731.214 $\pm$ 0.282 χ^2 /NDF: 1292797.0/36

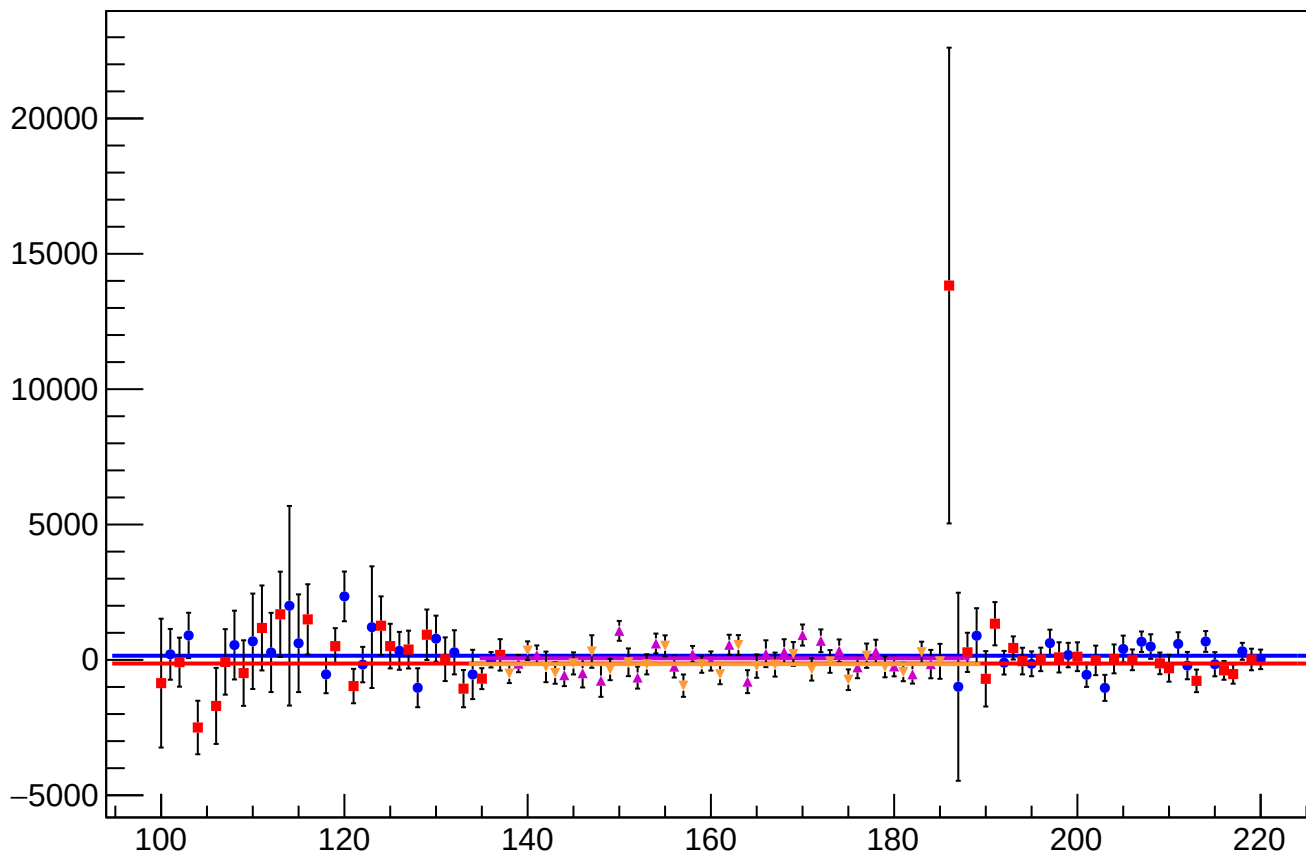
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1813.281 $\pm$ 0.214 χ^2 /NDF: 2957056.6/58

All: 1817.848 $\pm$ 0.152 χ^2 /NDF: 5571151.9/11

- sign 1822.493 $\pm$ 0.216 χ^2 /NDF: 2613176.6/59

asym_sam1_mean vs Slug



Right In: 153.799 $\pm$ 93.259 χ^2 /NDF: 30.5/33

Left Out: -157.242 $\pm$ 80.796 χ^2 /NDF:22.0/24

Right Out: -133.765 $\pm$ 96.368 χ^2 /NDF: 35.3/36

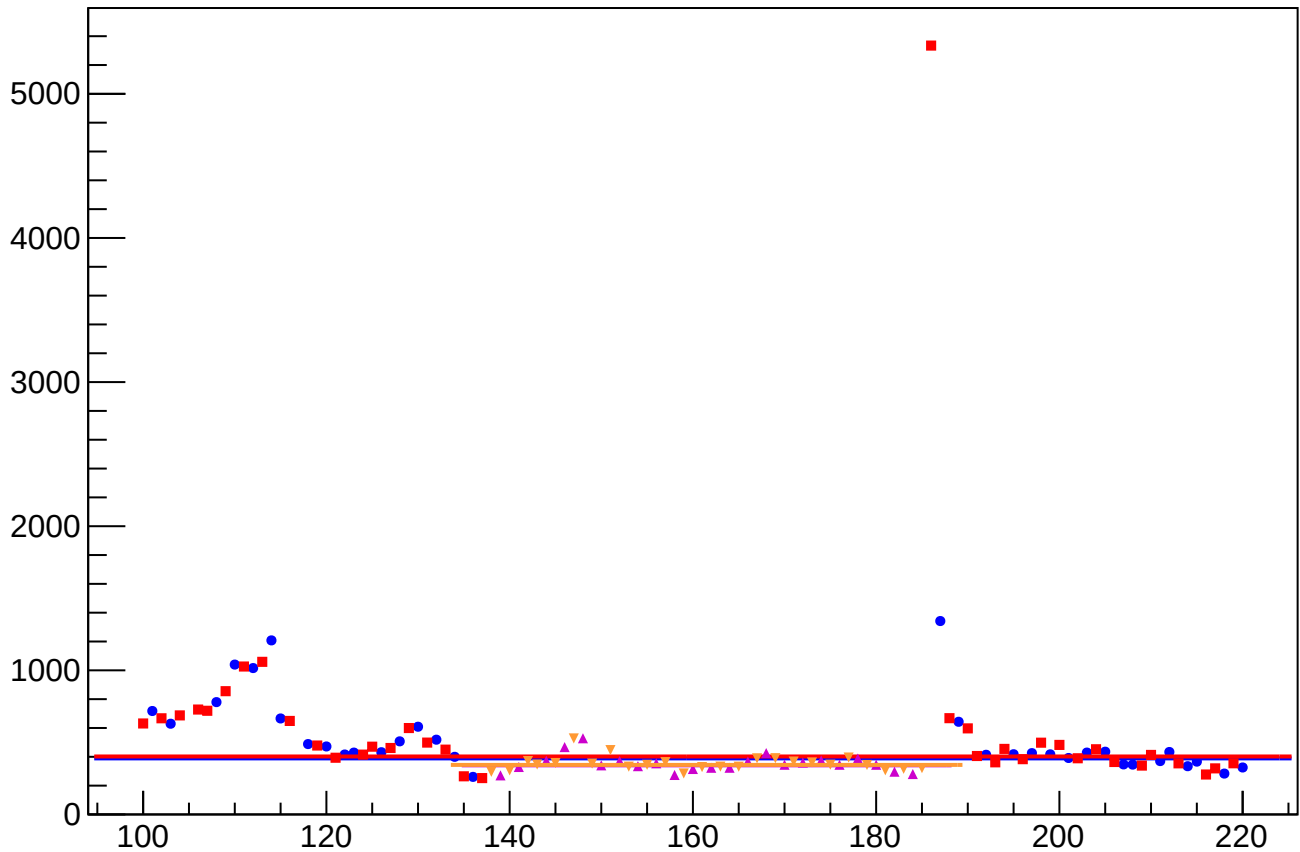
Left In: 58.934 $\pm$ 82.584 χ^2 /NDF:38.5/22

+ sign -23.881 $\pm$ 61.066 χ^2 /NDF: 58.9/58

All: -23.287 $\pm$ 43.749 χ^2 /NDF: 135.1/118

- sign -22.661 $\pm$ 62.708 χ^2 /NDF: 76.2/59

asym_sam1_rms vs Slug



Right In: 389.001 $\pm$ 0.066 χ^2 /NDF: 2836856.8/33

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 402.296 $\pm$ 0.068 χ^2 /NDF: 3820527.6/36

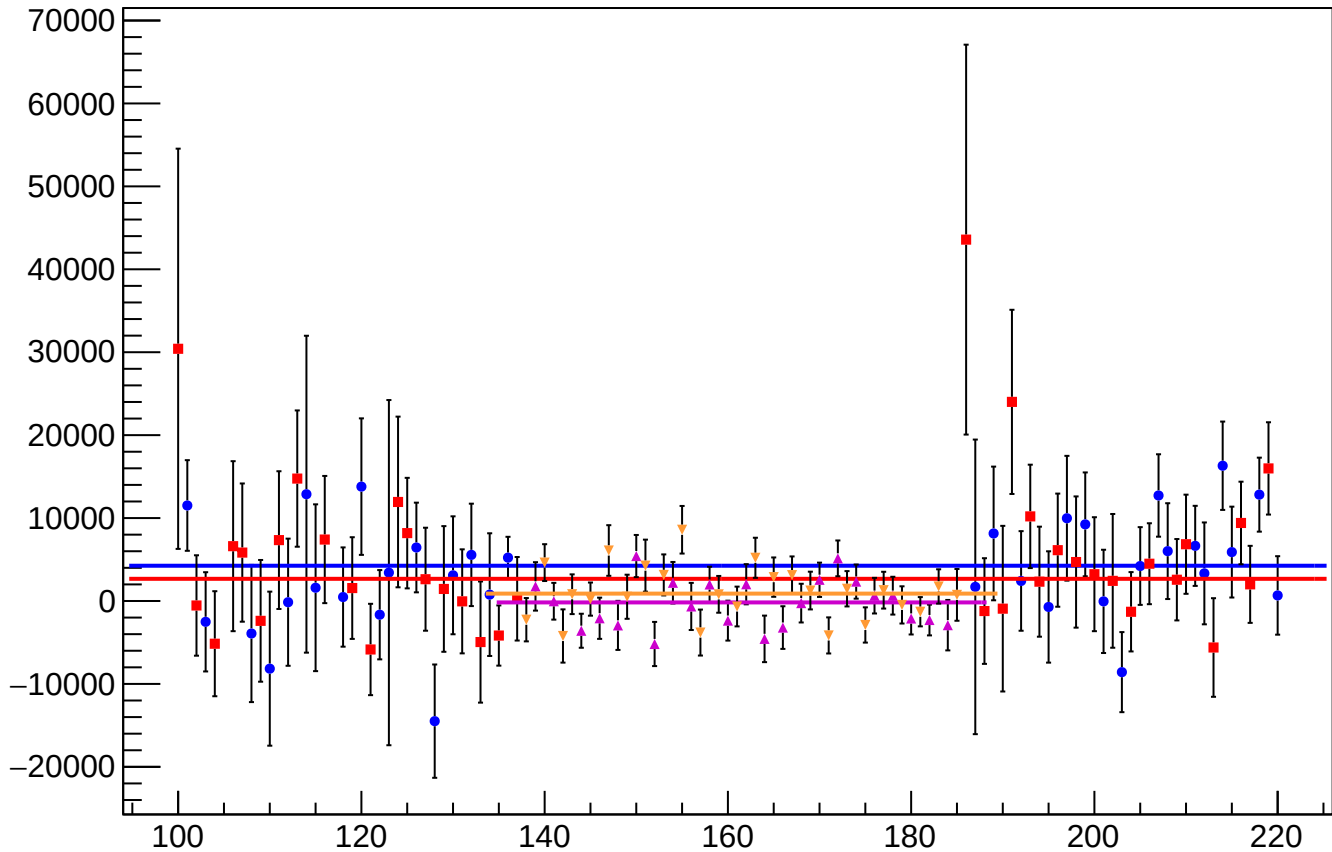
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 363.184 $\pm$ 0.043 χ^2 /NDF: 3644599.2/58

All: 364.985 $\pm$ 0.031 χ^2 /NDF: 8661781.8/118

- sign 366.883 $\pm$ 0.044 χ^2 /NDF: 5013611.0/59

asym_sam2_mean vs Slug



Right In: 4252.293 ± 997.867 χ^2/NDF : 39.9/33

Left Out: 890.395 ± 473.262 χ^2/NDF : 38.0/24

Right Out: 2674.625 ± 1050.260 χ^2/NDF : 35.6/36

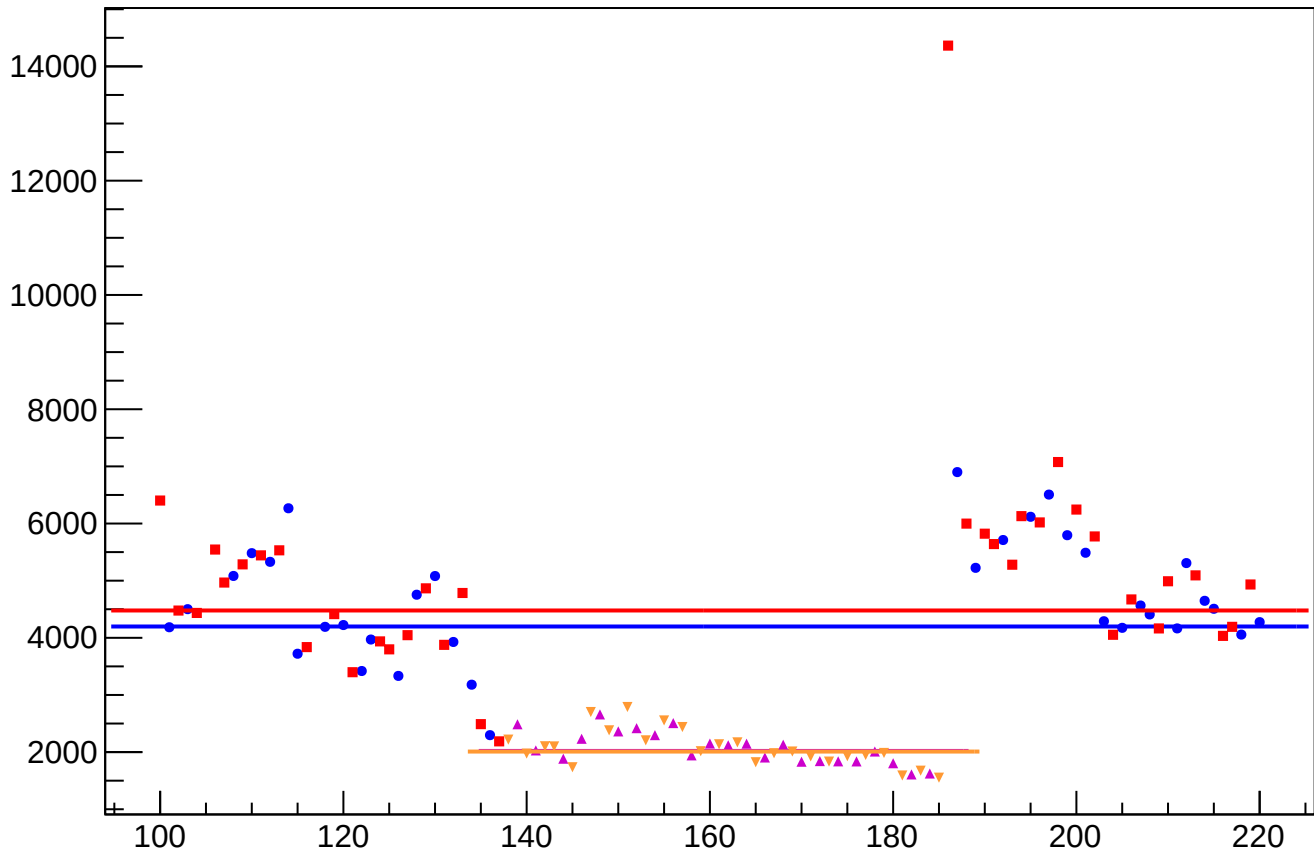
Left In: -172.391 ± 488.067 χ^2/NDF : 33.2/22

+ sign 1507.742 ± 427.607 χ^2/NDF : 87.1/58

All: 940.736 ± 307.531 χ^2/NDF : 165.6/118

- sign 333.245 ± 442.610 χ^2/NDF : 74.8/59

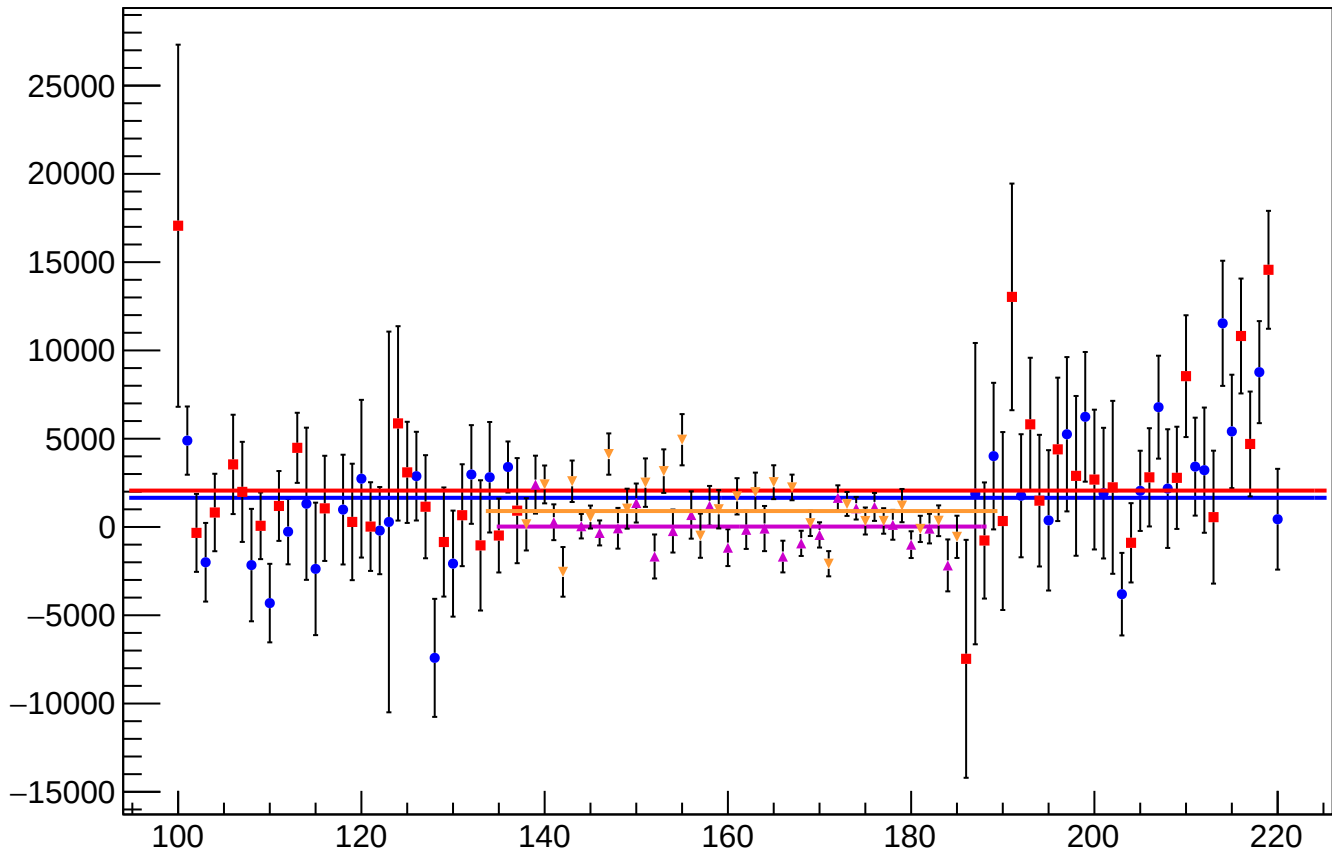
asym_sam2_rms vs Slug



Right In: 4198.106 $\pm$ 0.706 χ^2 /NDF: 2339332.3/33
 Left Out: 2009.631 $\pm$ 0.335 χ^2 /NDF: 709977.6/24
 Right Out: 4478.422 $\pm$ 0.743 χ^2 /NDF: 2577422.1/36
 Left In: 2020.365 $\pm$ 0.345 χ^2 /NDF: 573483.0/22

+ sign 2411.502 $\pm$ 0.302 χ^2 /NDF: 10902658.2/58
 All: 2433.429 $\pm$ 0.217 χ^2 /NDF: 23073983.7/100
 - sign 2456.921 $\pm$ 0.313 χ^2 /NDF: 12160432.5/59

asym_sam3_mean vs Slug



Right In: 1652.921 ± 487.439 $\chi^2/\text{NDF}: 55.3/33$

Left Out: 902.091 ± 185.850 $\chi^2/\text{NDF}: 63.5/24$

Right Out: 2061.735 ± 489.576 $\chi^2/\text{NDF}: 46.7/36$

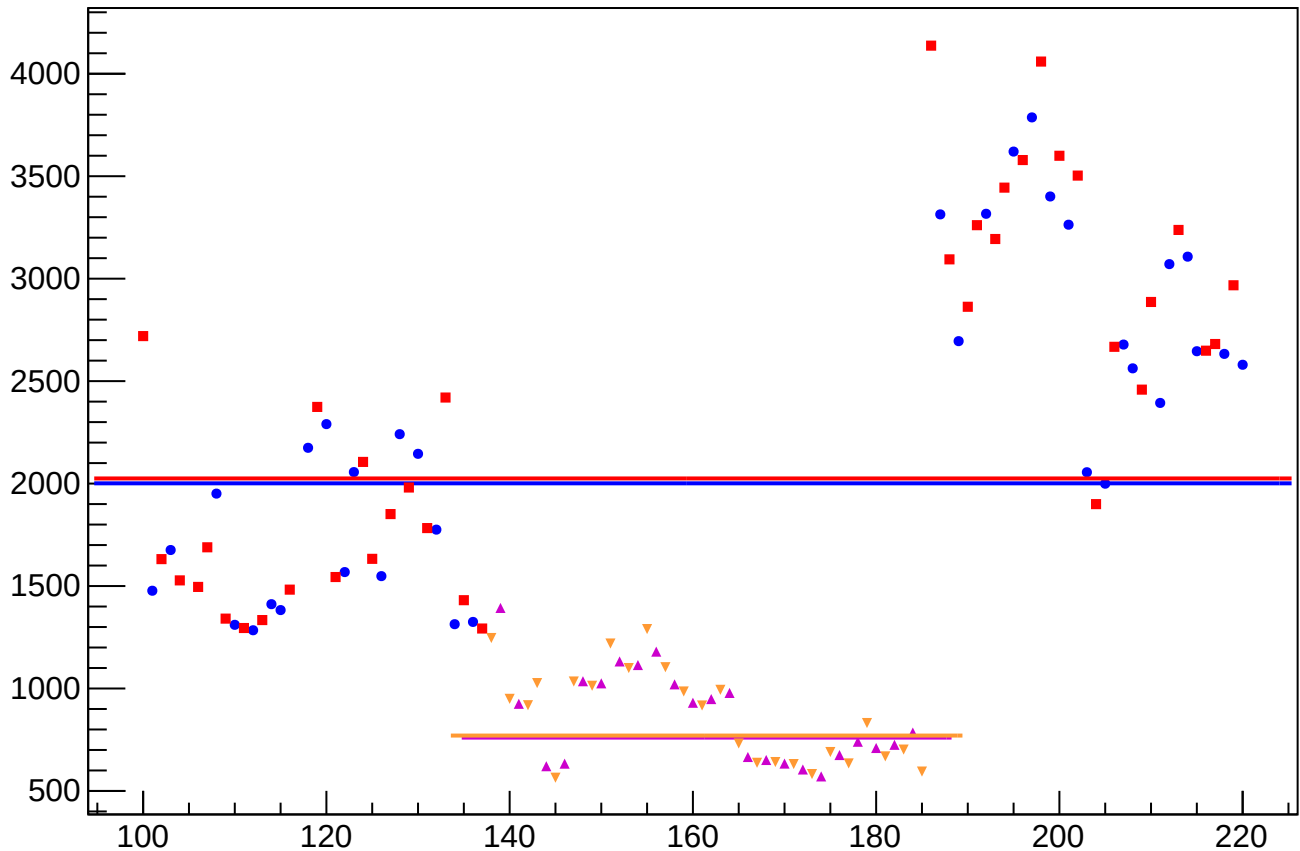
Left In: 23.529 ± 188.137 $\chi^2/\text{NDF}: 28.2/22$

+ sign 997.388 ± 173.656 $\chi^2/\text{NDF}: 120.9/58$

All: 645.584 ± 123.480 $\chi^2/\text{NDF}: 219.2/118$

- sign 285.792 ± 175.616 $\chi^2/\text{NDF}: 90.1/59$

asym_sam3_rms vs Slug



Right In: 2001.267 $\pm$ 0.345 χ^2 /NDF: 3895465.6/33

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 2025.034 $\pm$ 0.346 χ^2 /NDF: 4613699.2/36

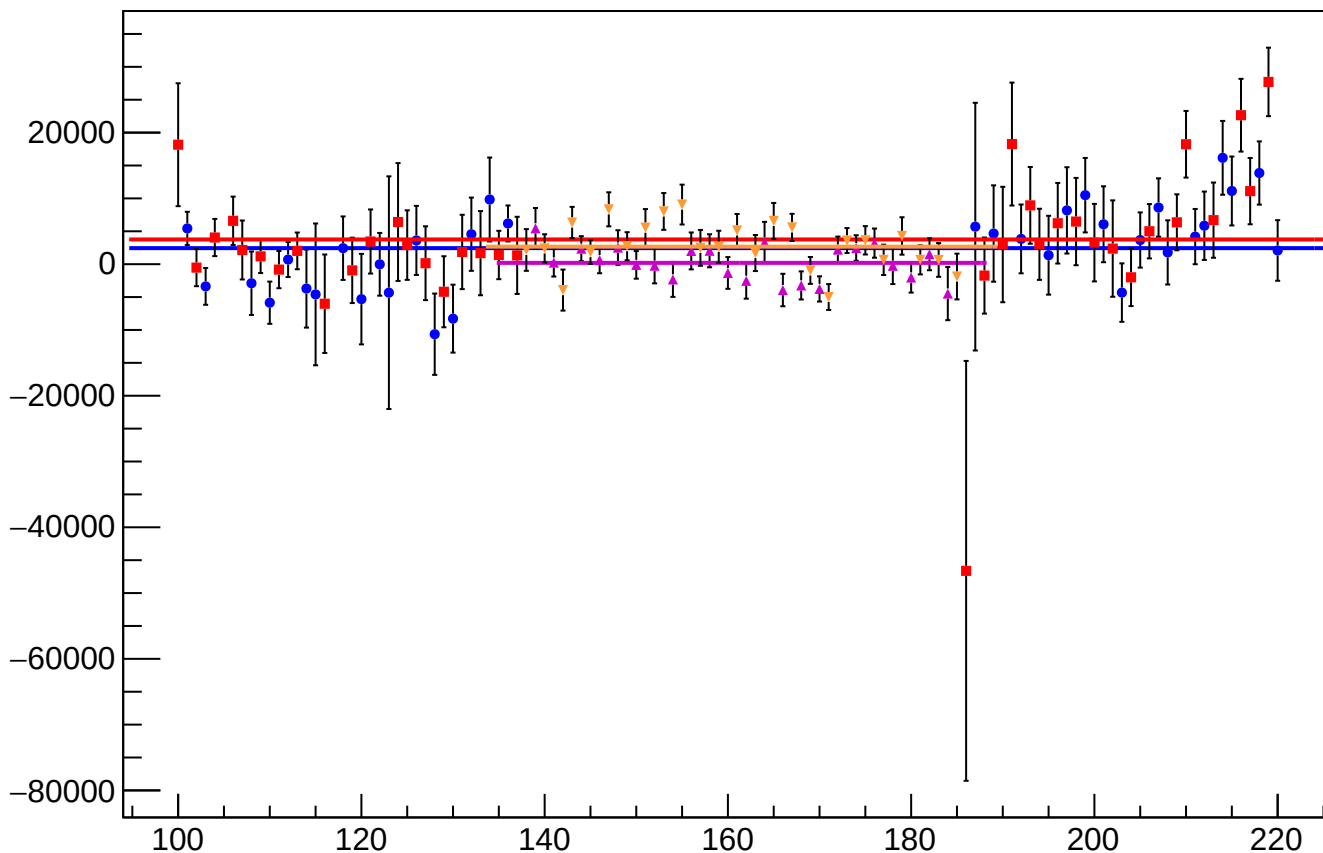
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 926.555 $\pm$ 0.123 χ^2 /NDF: 17318909.1/58

All: 924.838 $\pm$ 0.087 χ^2 /NDF: 35548543.9/1

- sign 923.083 $\pm$ 0.124 χ^2 /NDF: 18229239.5/59

asym_sam4_mean vs Slug



Right In: 2438.246 $\pm$ 784.023 χ^2 /NDF: 52.2/33

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF: 49.2/24

Right Out: 3758.799 $\pm$ 760.938 χ^2 /NDF: 68.1/36

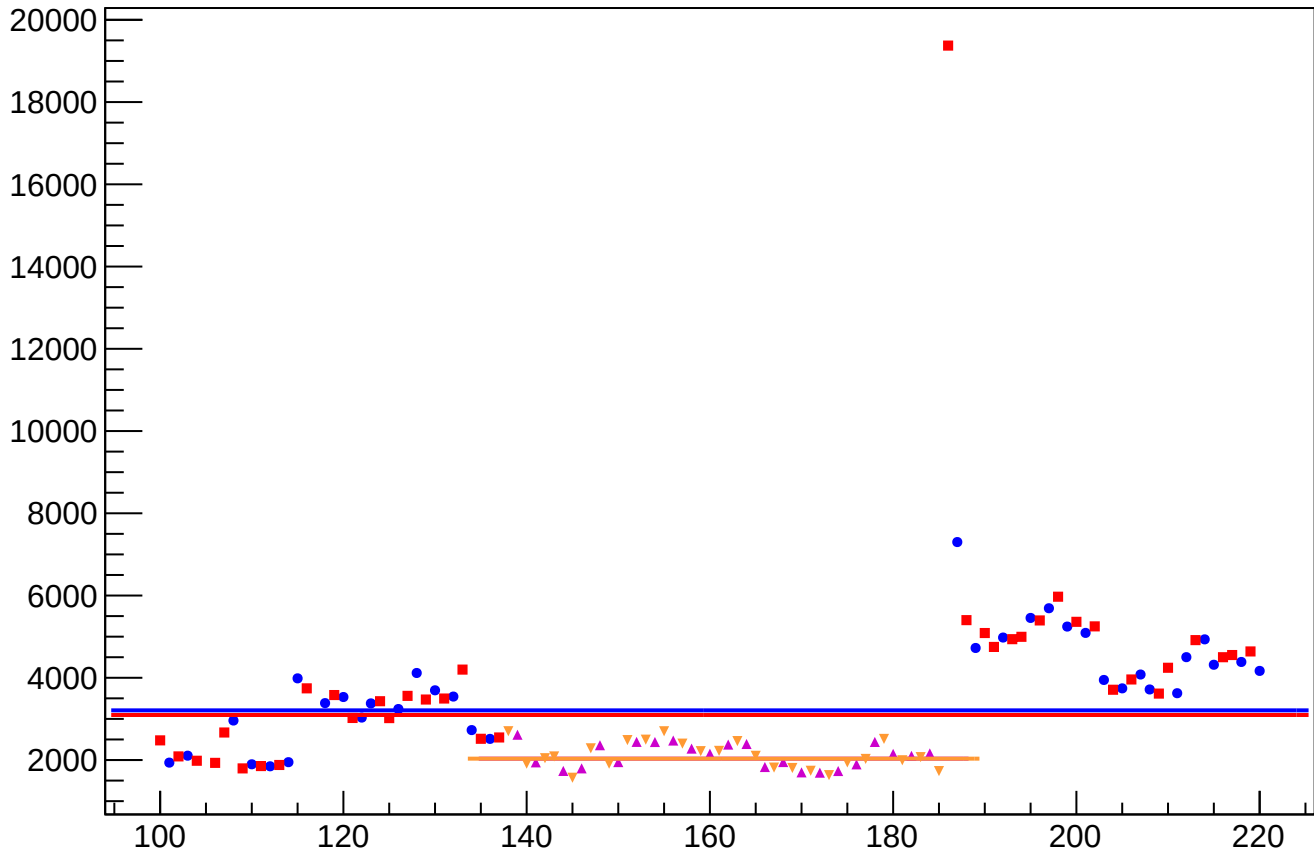
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

+ sign 2603.649 $\pm$ 409.231 χ^2 /NDF: 101.5/58

All: 1932.859 $\pm$ 290.766 χ^2 /NDF: 216.2/118

- sign 1248.965 $\pm$ 413.209 χ^2 /NDF: 109.3/59

asym_sam4_rms vs Slug



Right In: 3207.762 $\pm$ 0.554 χ^2 /NDF: 4261042.9/33

Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF: 824062.2/24

Right Out: 3095.115 $\pm$ 0.538 χ^2 /NDF: 5786790.7/36

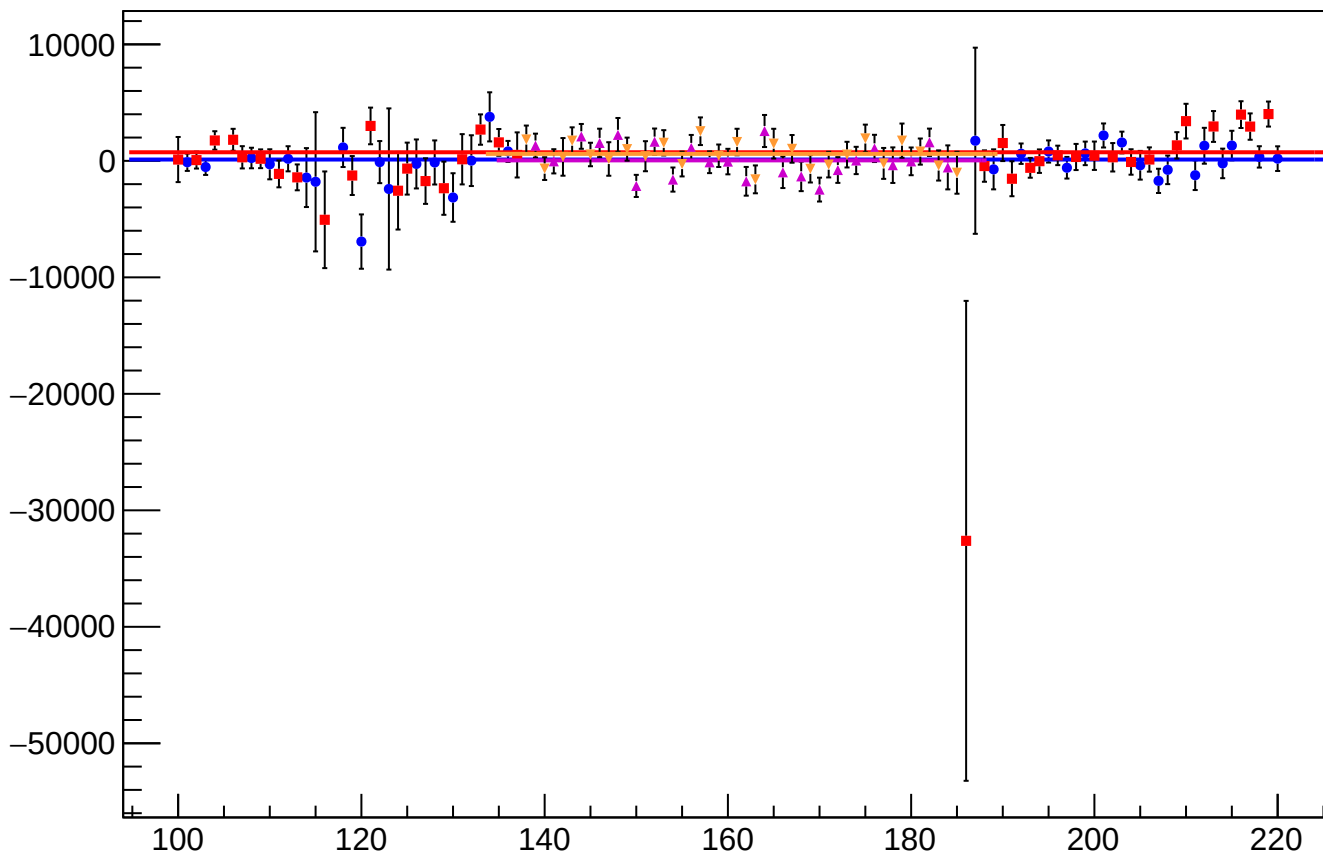
Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF: 652763.7/22

+ sign 2353.304 $\pm$ 0.289 χ^2 /NDF: 8350141.8/58

All: 2349.662 $\pm$ 0.206 χ^2 /NDF: 17539312.3/100

- sign 2345.950 $\pm$ 0.292 χ^2 /NDF: 9188850.7/59

asym_sam5_mean vs Slug



Right In: 113.717 $\pm$ 205.174 χ^2 /NDF: 32.3/33

Left Out: 600.005 $\pm$ 234.968 χ^2 /NDF:18.5/24

Right Out: 738.345 $\pm$ 196.924 χ^2 /NDF: 61.7/36

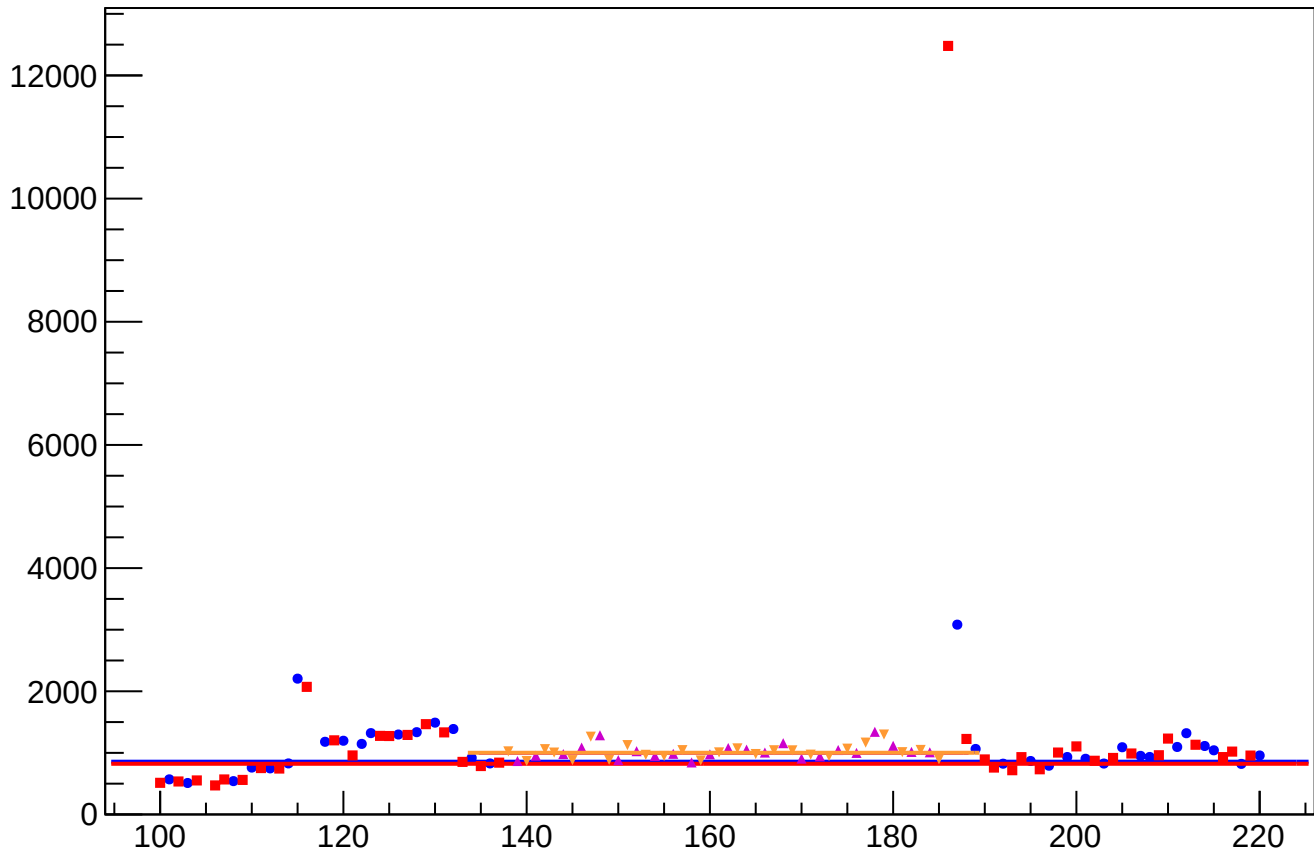
Left In: 41.559 $\pm$ 240.807 χ^2 /NDF:36.4/22

+ sign 324.094 $\pm$ 154.547 χ^2 /NDF: 53.2/58

All: 392.528 $\pm$ 108.529 χ^2 /NDF: 156.7/118

- sign 459.111 $\pm$ 152.442 χ^2 /NDF: 103.1/59

asym_sam5_rms vs Slug



Right In: 856.675+/-0.145 χ^2/NDF : 2609668.8/33

Left Out: 1001.472+/-0.166 χ^2/NDF : 370299.3/24

Right Out: 822.888+/-0.139 χ^2/NDF : 3585154.5/36

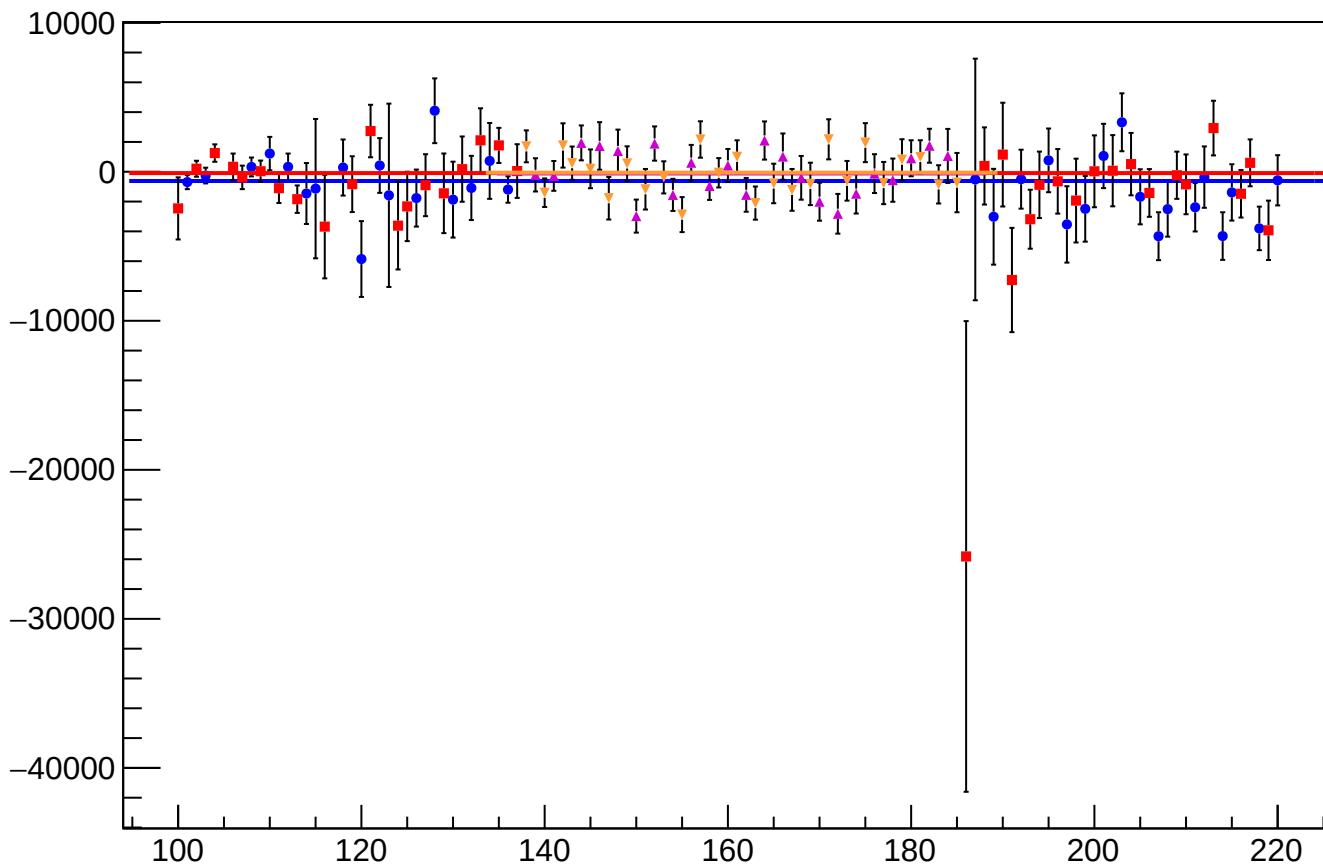
Left In: 998.050+/-0.170 χ^2/NDF : 404656.2/22

+ sign 919.317+/-0.109 χ^2/NDF : 3410894.3/58

All: 906.020+/-0.077 χ^2/NDF : 8064050.5/118

- sign 893.083+/-0.108 χ^2/NDF : 4623948.0/59

asym_sam6_mean vs Slug



Right In: -620.091 ± 221.306 χ^2/NDF : 43.4/33

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -88.442 ± 220.491 χ^2/NDF : 40.4/36

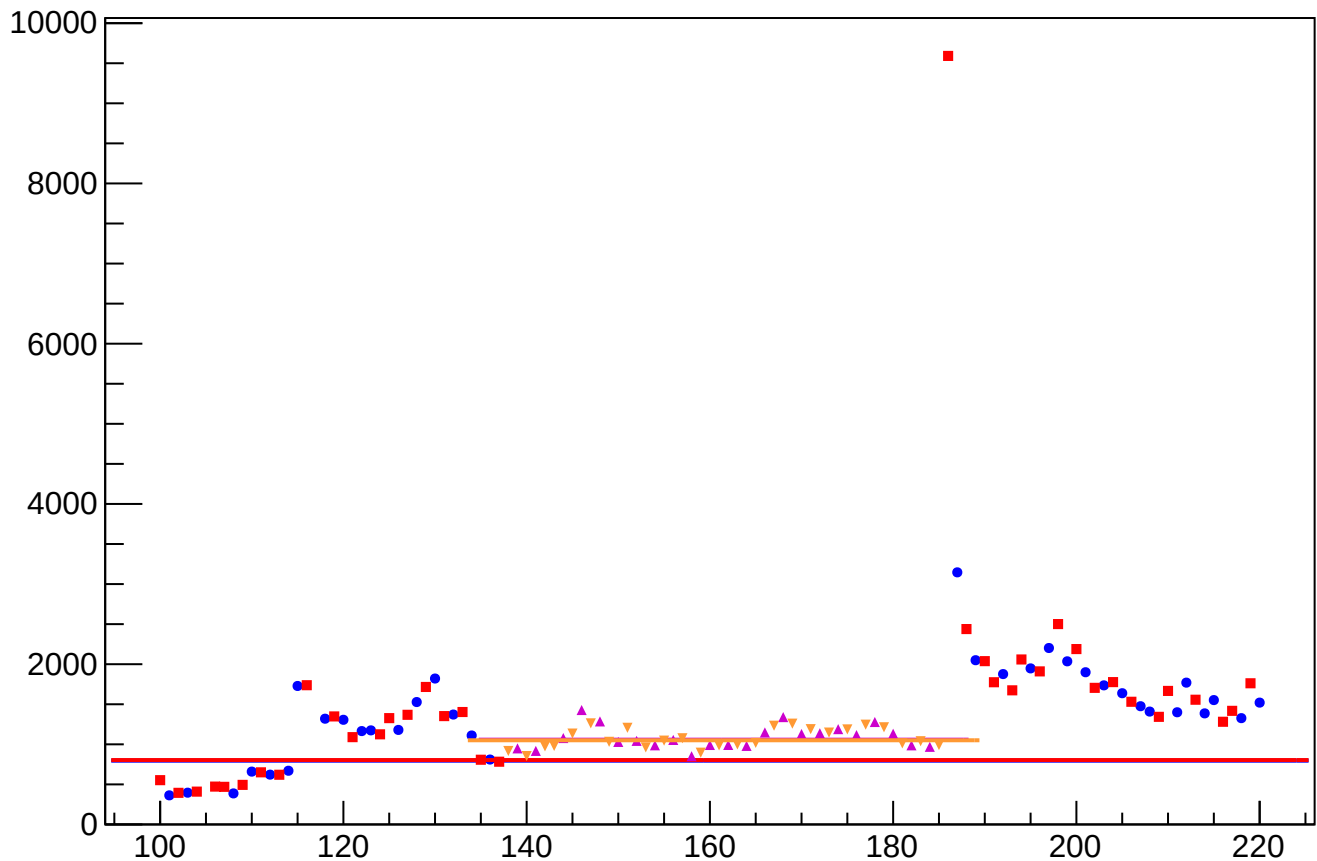
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -370.049 ± 164.677 χ^2/NDF : 77.3/58

All: -236.181 ± 117.223 χ^2/NDF : 153.9/118

- sign -98.672 ± 166.902 χ^2/NDF : 75.3/59

asym_sam6_rms vs Slug



Right In: 796.084 $\pm$ 0.156 χ^2 /NDF: 11786096.4/33

Left Out: 1050.649 $\pm$ 0.174 χ^2 /NDF: 483144.2/24

Right Out: 803.696 $\pm$ 0.156 χ^2 /NDF: 12170774.3/36

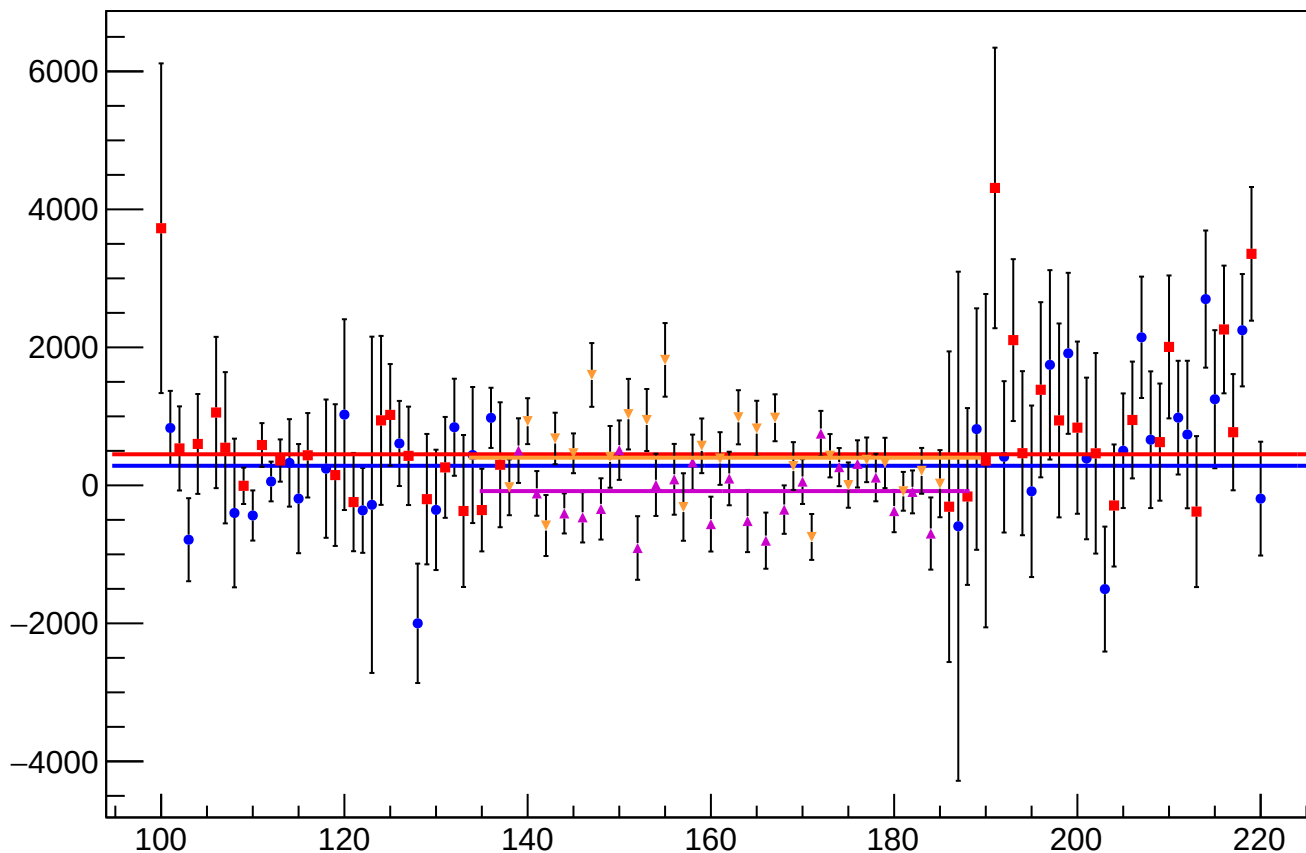
Left In: 1058.097 $\pm$ 0.181 χ^2 /NDF: 528574.7/22

+ sign 909.695 $\pm$ 0.116 χ^2 /NDF: 13450270.4/58

All: 910.995 $\pm$ 0.083 χ^2 /NDF: 27286797.4/11

- sign 912.331 $\pm$ 0.118 χ^2 /NDF: 13836274.3/59

asym_sam7_mean vs Slug



Right In: 283.829 ± 124.122 χ^2/NDF : 47.8/33

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 450.506 ± 116.476 χ^2/NDF : 33.9/36

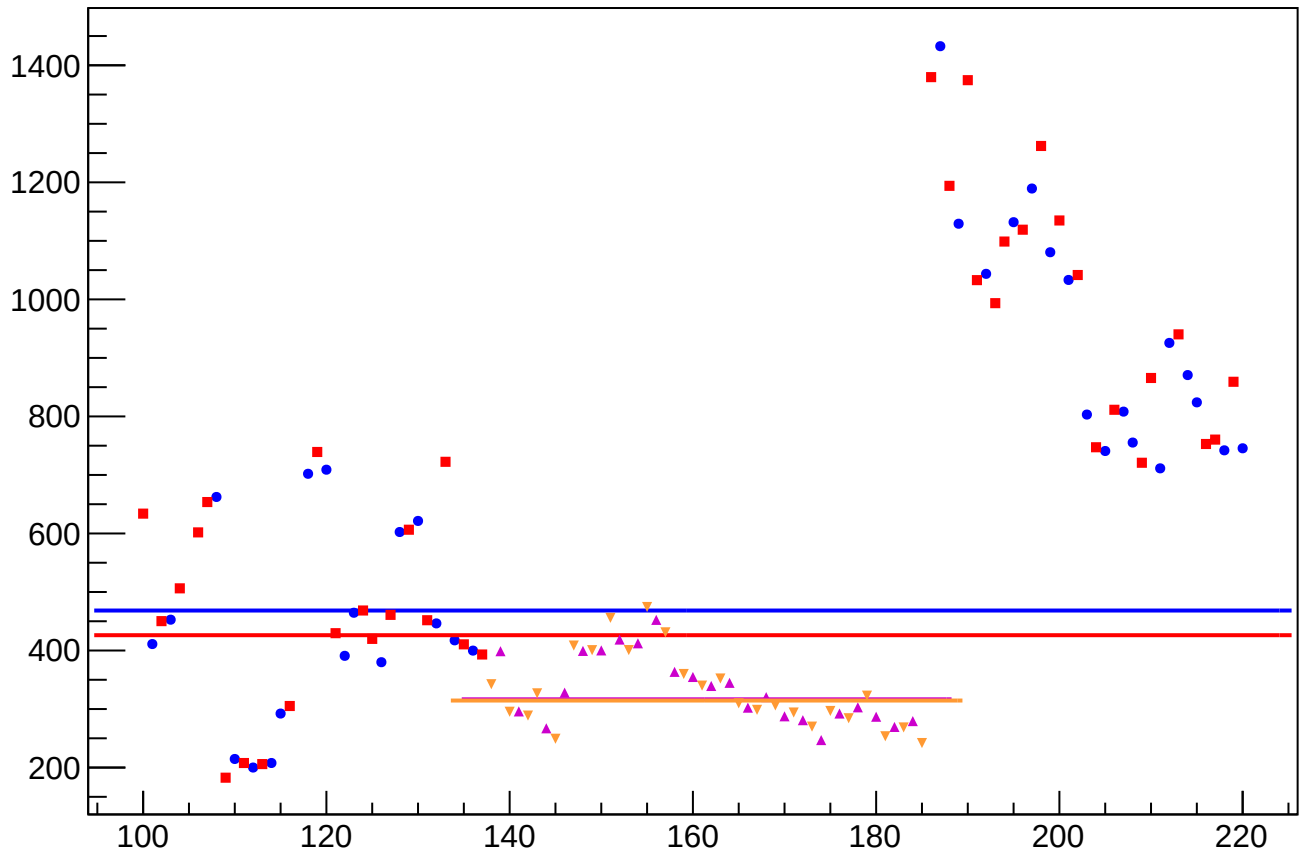
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 369.931 ± 63.906 χ^2/NDF : 100.5/58

All: 225.102 ± 45.284 χ^2/NDF : 188.3/118

- sign 79.044 ± 64.177 χ^2/NDF : 77.4/59

asym_sam7_rms vs Slug



Right In: 468.328+/-0.088 χ^2/NDF : 9282868.0/33

Left Out: 314.538+/-0.053 χ^2/NDF : 1112445.6/24

Right Out: 426.178+/-0.082 χ^2/NDF : 12030222.4/36

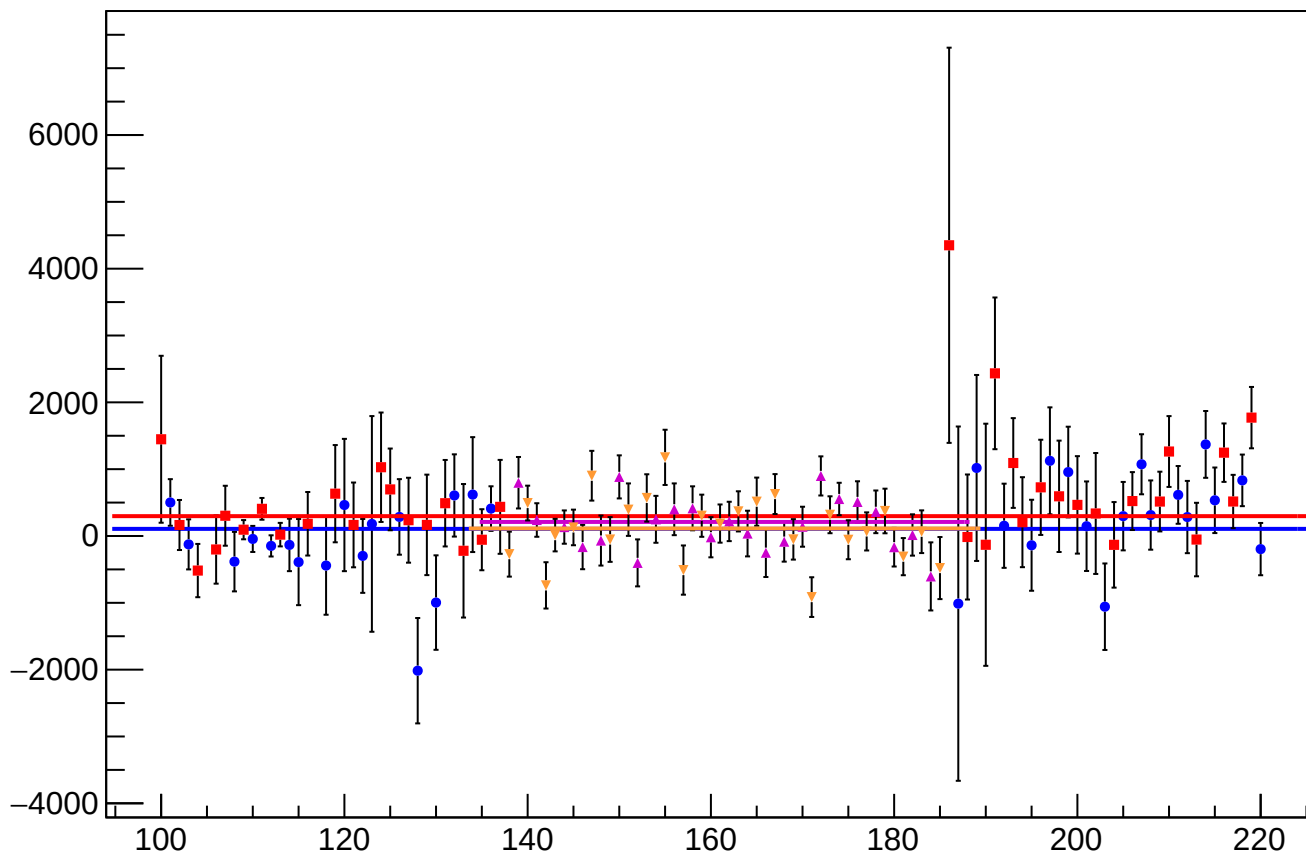
Left In: 316.647+/-0.054 χ^2/NDF : 920874.0/22

+ sign 355.306+/-0.045 χ^2/NDF : 12651751.0/58

All: 352.614+/-0.032 χ^2/NDF : 26841643.8/11

- sign 349.899+/-0.045 χ^2/NDF : 14182765.0/59

asym_sam8_mean vs Slug



Right In: 106.580 $\pm$ 74.965 χ^2 /NDF: 44.8/33

Left Out: 112.242 $\pm$ 62.643 χ^2 /NDF: 49.1/24

Right Out: 296.975 $\pm$ 67.731 χ^2 /NDF: 41.2/36

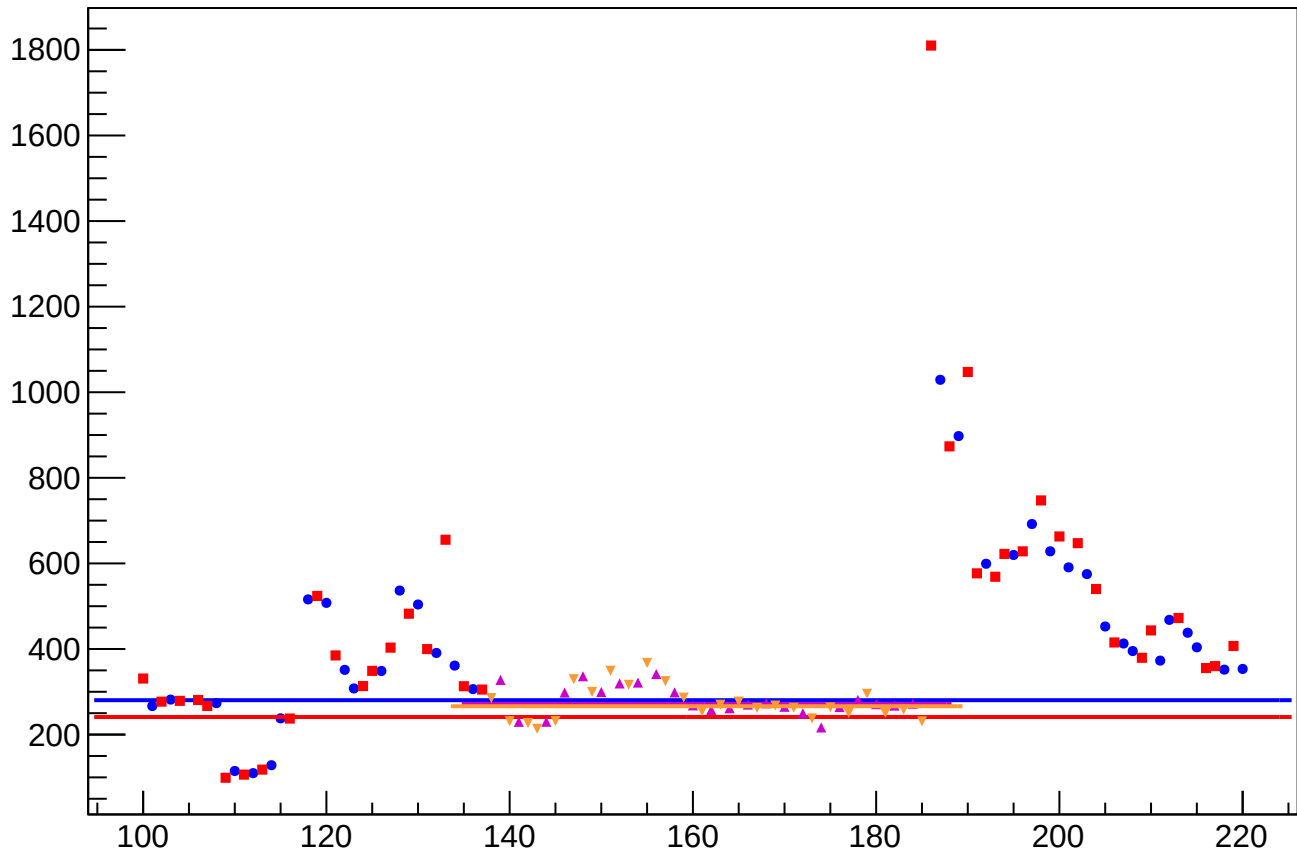
Left In: 210.453 $\pm$ 65.510 χ^2 /NDF: 29.2/22

+ sign 109.914 $\pm$ 48.069 χ^2 /NDF: 93.9/58

All: 182.561 $\pm$ 33.638 χ^2 /NDF: 169.6/118

- sign 252.273 $\pm$ 47.088 χ^2 /NDF: 71.2/59

asym_sam8_rms vs Slug



Right In: 280.358 $\pm$ 0.053 χ^2 /NDF: 9697555.9/33

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 241.033 $\pm$ 0.048 χ^2 /NDF: 13455257.8/36

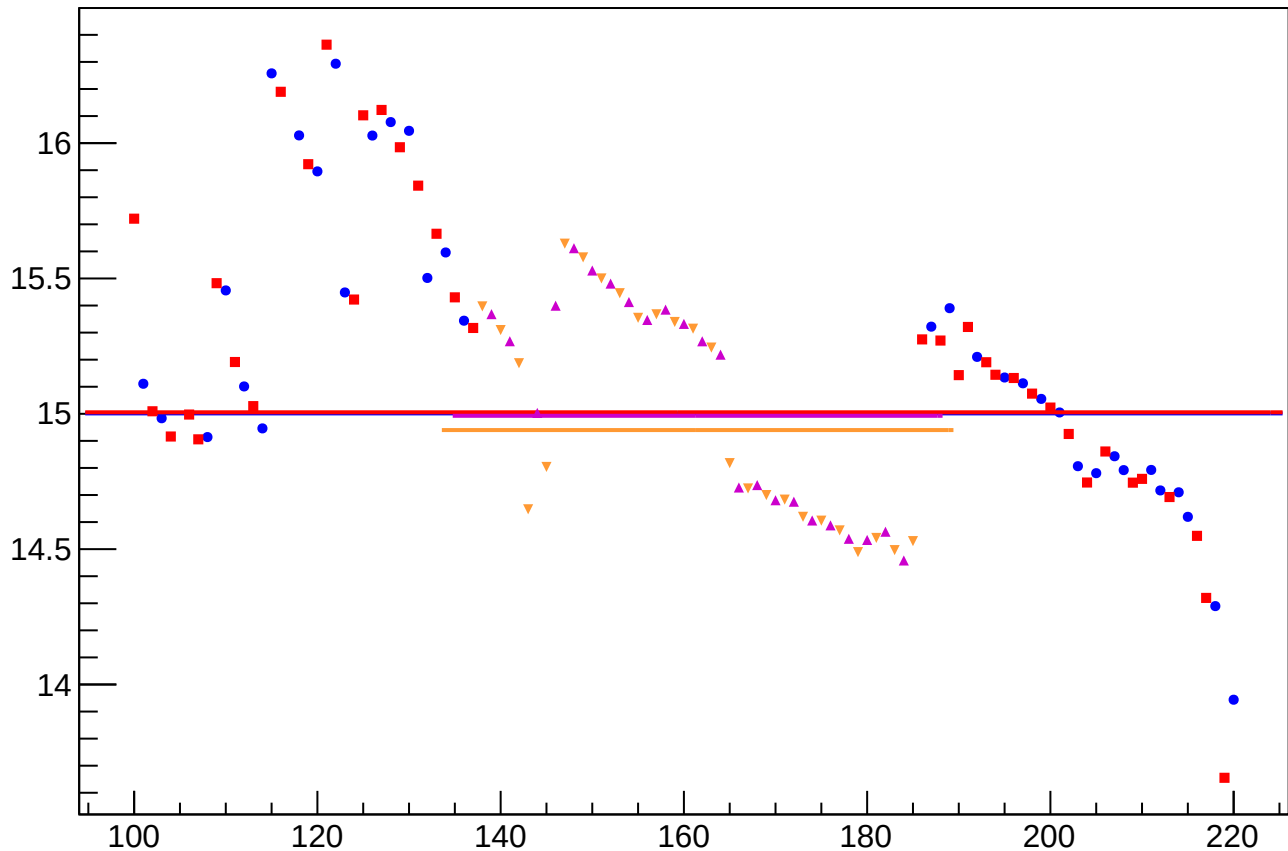
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 272.026 $\pm$ 0.034 χ^2 /NDF: 10389150.4/58

All: 264.220 $\pm$ 0.024 χ^2 /NDF: 24677543.6/1

- sign 256.730 $\pm$ 0.033 χ^2 /NDF: 14185056.1/59

yield_sam1_mean vs Slug



Right In: 15.001 $\pm$ 0.000 χ^2 /NDF: 36024566964.7/33

Left Out: 14.940 $\pm$ 0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 15.006 $\pm$ 0.000 χ^2 /NDF: 39961745110.6/36

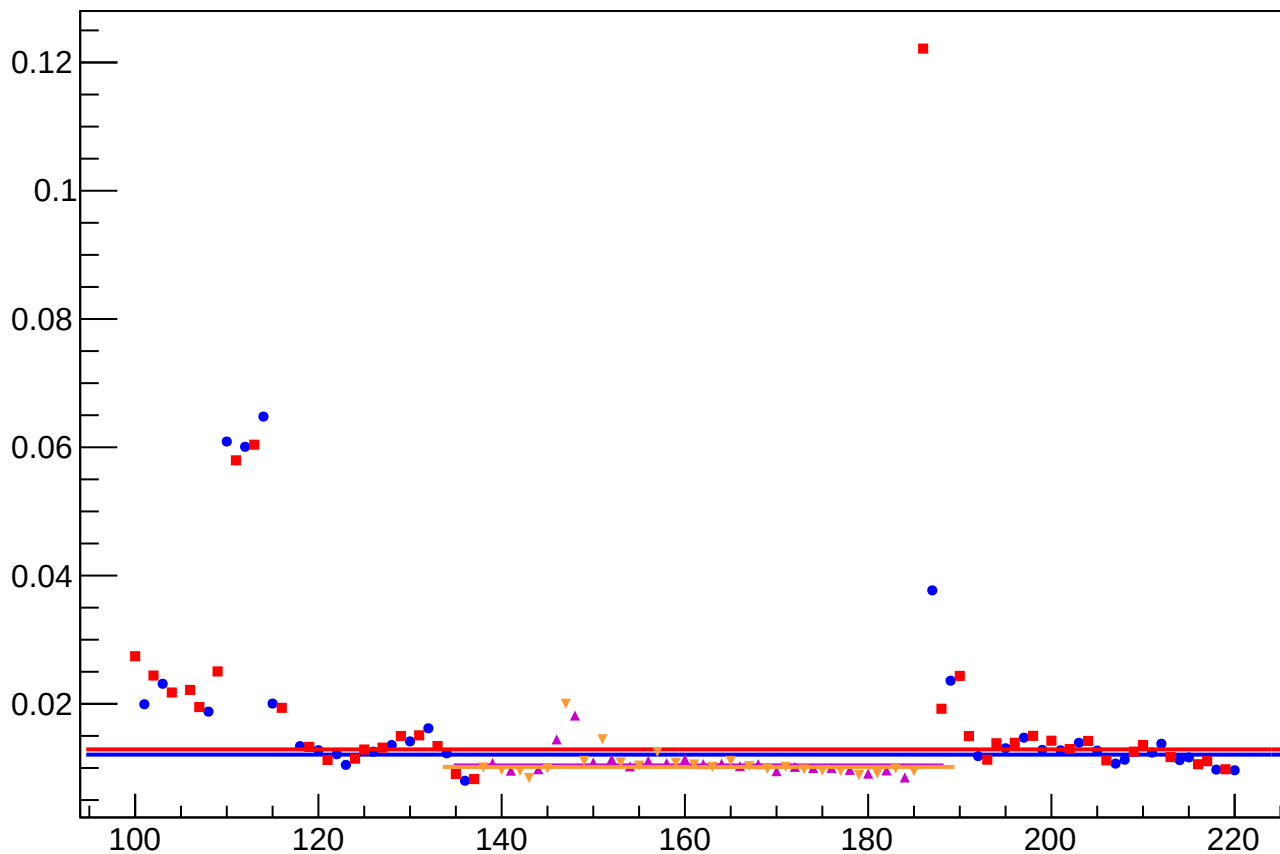
Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

+ sign 14.965 $\pm$ 0.000 χ^2 /NDF: 60481461601.7/58

All: 14.980 $\pm$ 0.000 χ^2 /NDF: 122621127877.

- sign 14.998 $\pm$ 0.000 χ^2 /NDF: 61995022767.9/59

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2836148.1/33

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 3451611.0/36

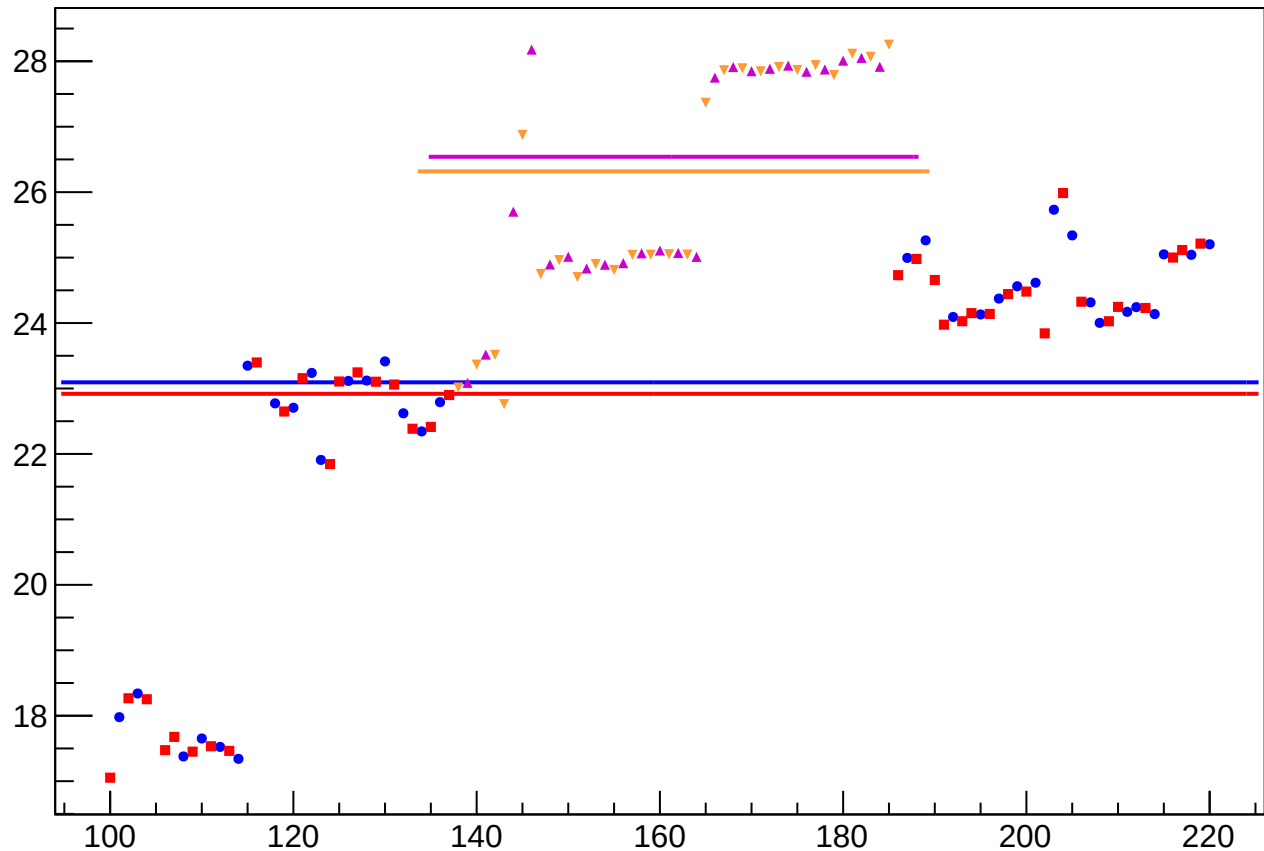
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4053300.9/58

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8862271.2/118

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4754463.6/59

yield_sam2_mean vs Slug



Right In: 23.094 ± 0.000 χ^2/NDF : 1581274109.8/33

Left Out: 26.318 ± 0.000 χ^2/NDF : 4715403741.0/24

Right Out: 22.919 ± 0.000 χ^2/NDF : 1800470020.3/36

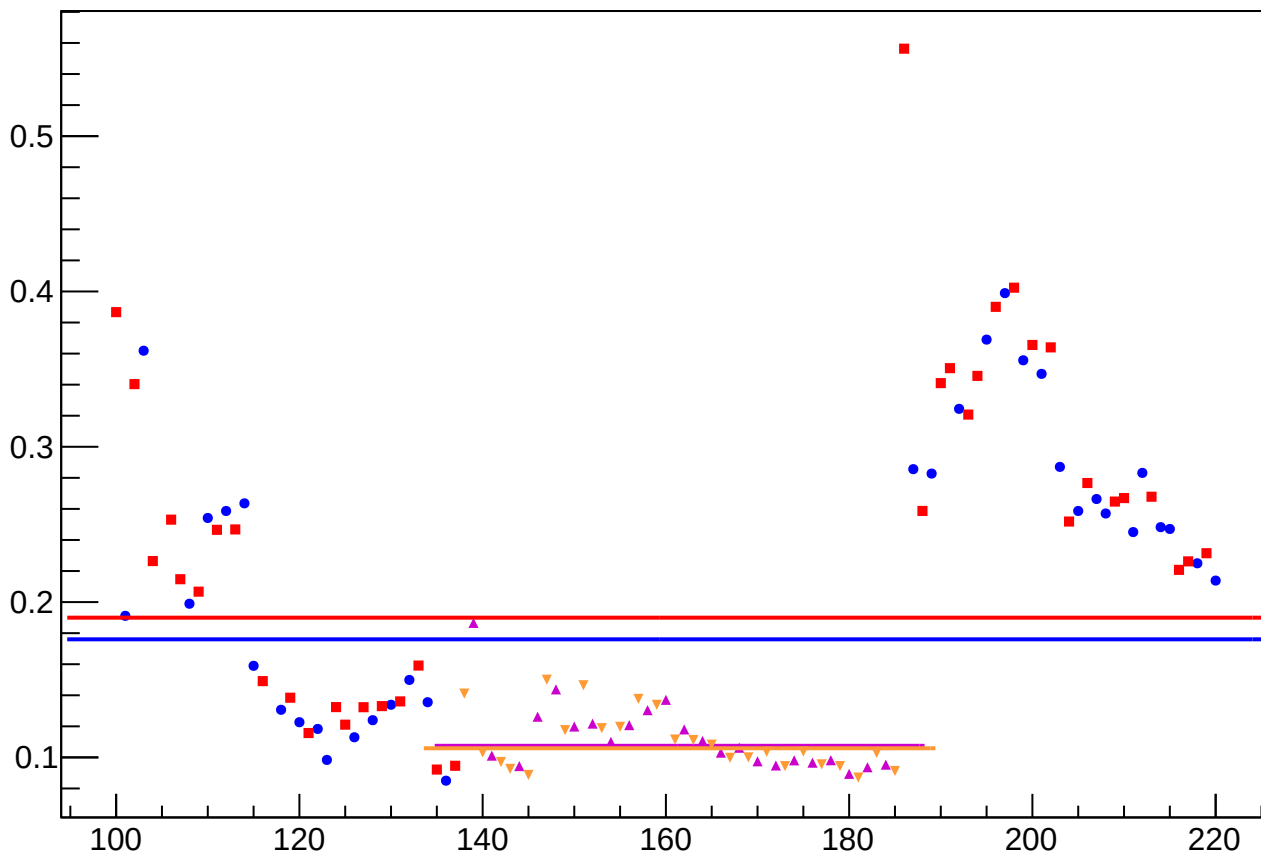
Left In: 26.540 ± 0.000 χ^2/NDF : 3309392772.6/22

+ sign 25.515 ± 0.000 χ^2/NDF : 9944624095.9/58

All: 25.580 ± 0.000 χ^2/NDF : 19244103445.8

- sign 25.651 ± 0.000 χ^2/NDF : 9282998921.6/59

yield_sam2_rms vs Slug



Right In: 0.176+/-0.000 χ^2/NDF : 6559746.1/33

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.190+/-0.000 χ^2/NDF : 6167642.1/36

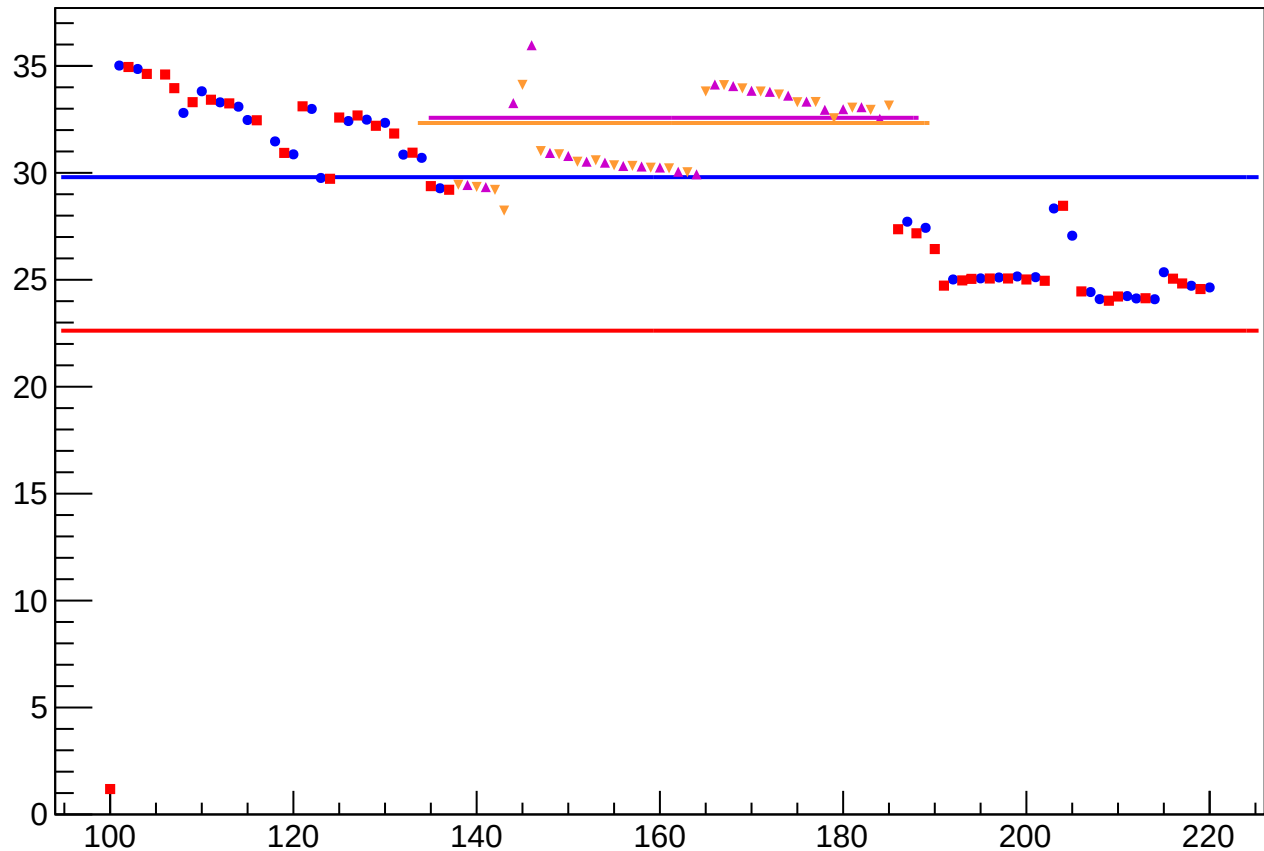
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.123+/-0.000 χ^2/NDF : 10747929.5/58

All: 0.125+/-0.000 χ^2/NDF : 22053617.4/118

- sign 0.128+/-0.000 χ^2/NDF : 11271108.6/59

yield_sam3_mean vs Slug



Right In: 29.799+/-0.000 χ^2/NDF : 12235706723.3/33

Left Out: 32.331+/-0.000 χ^2/NDF : 12850475096.2/24

Right Out: 22.621+/-0.000 χ^2/NDF : 232676444189.4/36

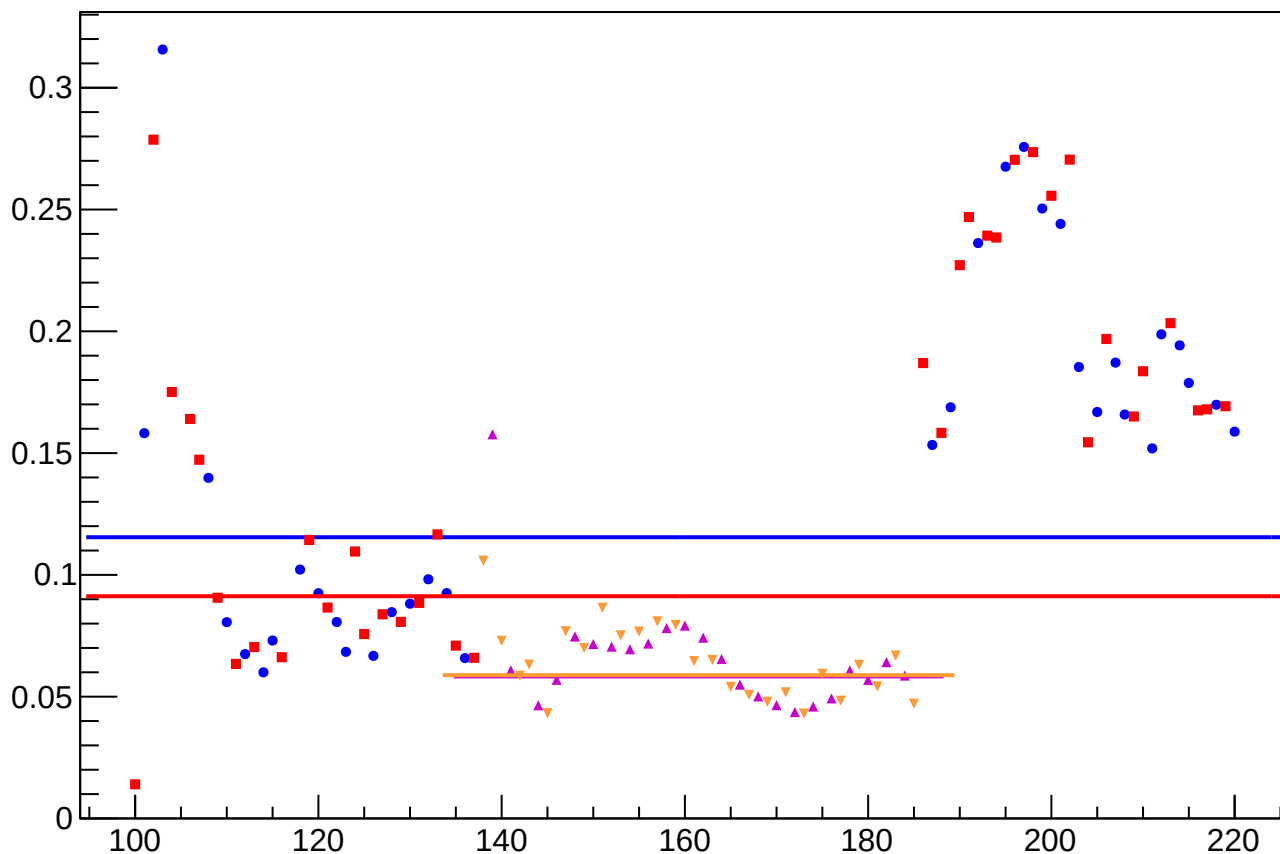
Left In: 32.574+/-0.000 χ^2/NDF : 11797772603.7/22

+ sign 31.817+/-0.000 χ^2/NDF : 30421084346.7/58

All: 30.890+/-0.000 χ^2/NDF : 384446925238.

- sign 29.989+/-0.000 χ^2/NDF : 345314889017.8/59

yield_sam3_rms vs Slug



Right In: 0.115+/-0.000 χ^2/NDF : 6970646.4/33

Left Out: 0.059+/-0.000 χ^2/NDF :1402605.2/24

Right Out: 0.091+/-0.000 χ^2/NDF : 12829404.6/36

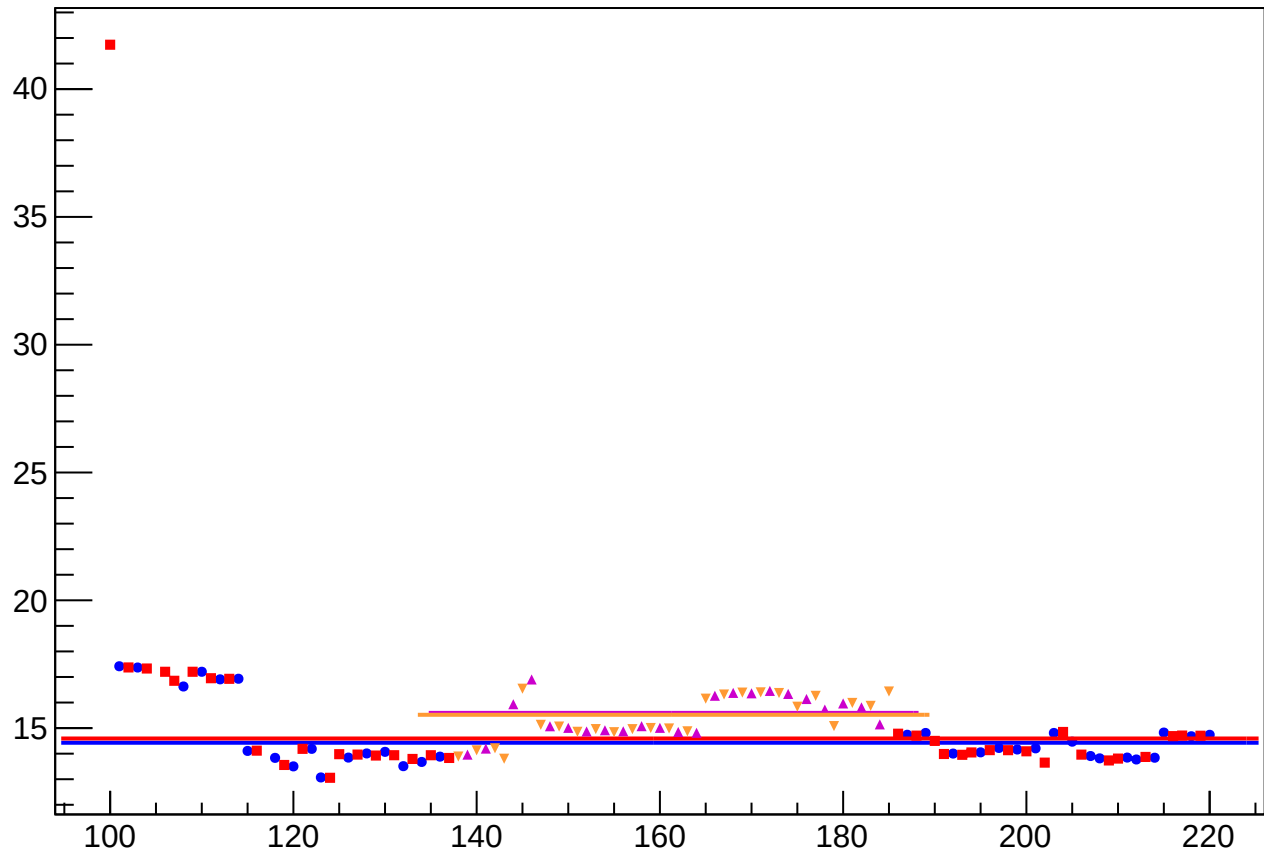
Left In: 0.058+/-0.000 χ^2/NDF :1525476.4/22

+ sign 0.070+/-0.000 χ^2/NDF : 13709830.6/58

All: 0.069+/-0.000 χ^2/NDF : 30334256.7/118

- sign 0.067+/-0.000 χ^2/NDF : 16561743.2/59

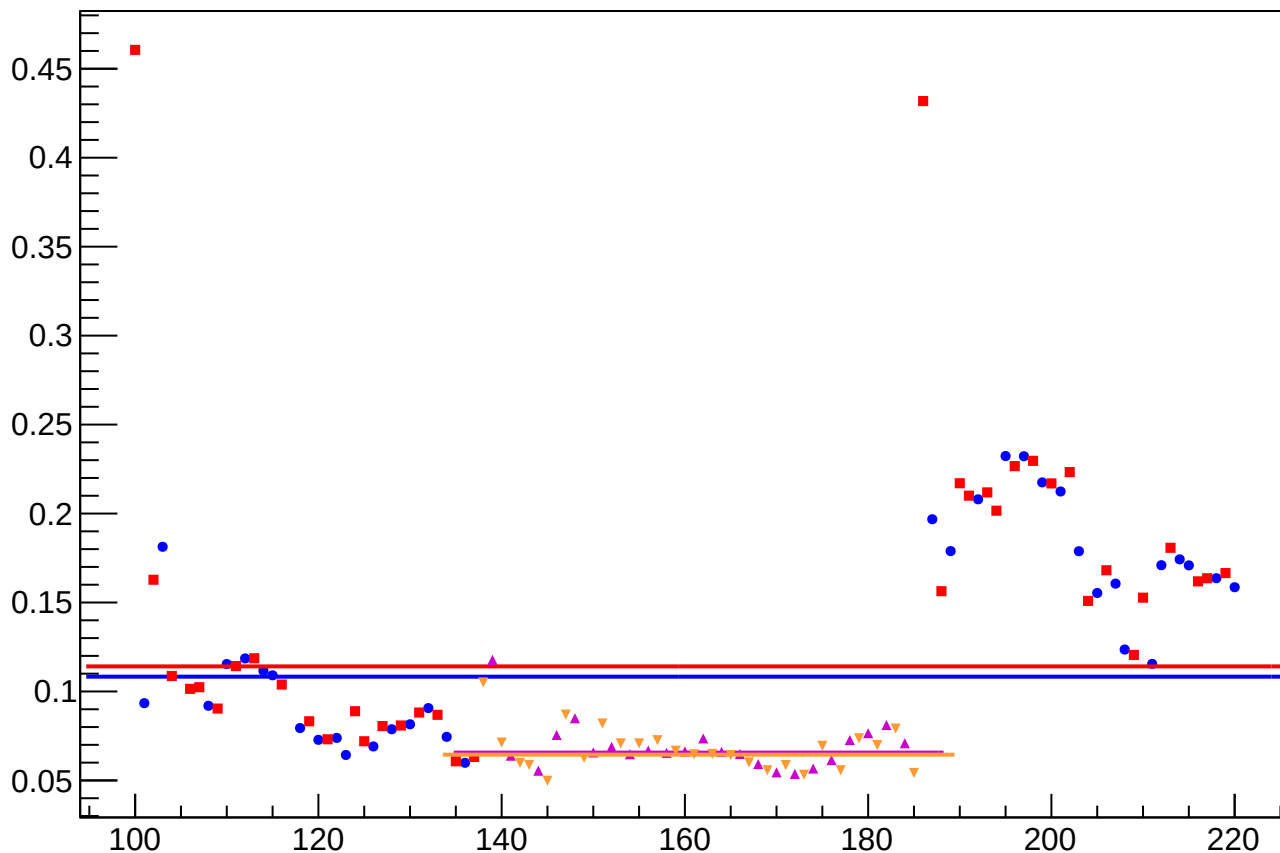
yield_sam4_mean vs Slug



Right In: 14.427 $\pm$ 0.000 χ^2/NDF : 1576105012.5/33
 Left Out: 15.521 $\pm$ 0.000 χ^2/NDF : 2591377740.5/24
 Right Out: 14.593 $\pm$ 0.000 χ^2/NDF : 2039608223.4/36
 Left In: 15.595 $\pm$ 0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.244 $\pm$ 0.000 χ^2/NDF : 5304035002.9/58
 All: 15.289 $\pm$ 0.000 χ^2/NDF : 10158990071.7
 - sign 15.338 $\pm$ 0.000 χ^2/NDF : 4833532638.3/59

yield_sam4_rms vs Slug



Right In: 0.108 $\pm$ 0.000 χ^2 /NDF: 5910106.9/33

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.114 $\pm$ 0.000 χ^2 /NDF: 5780351.9/36

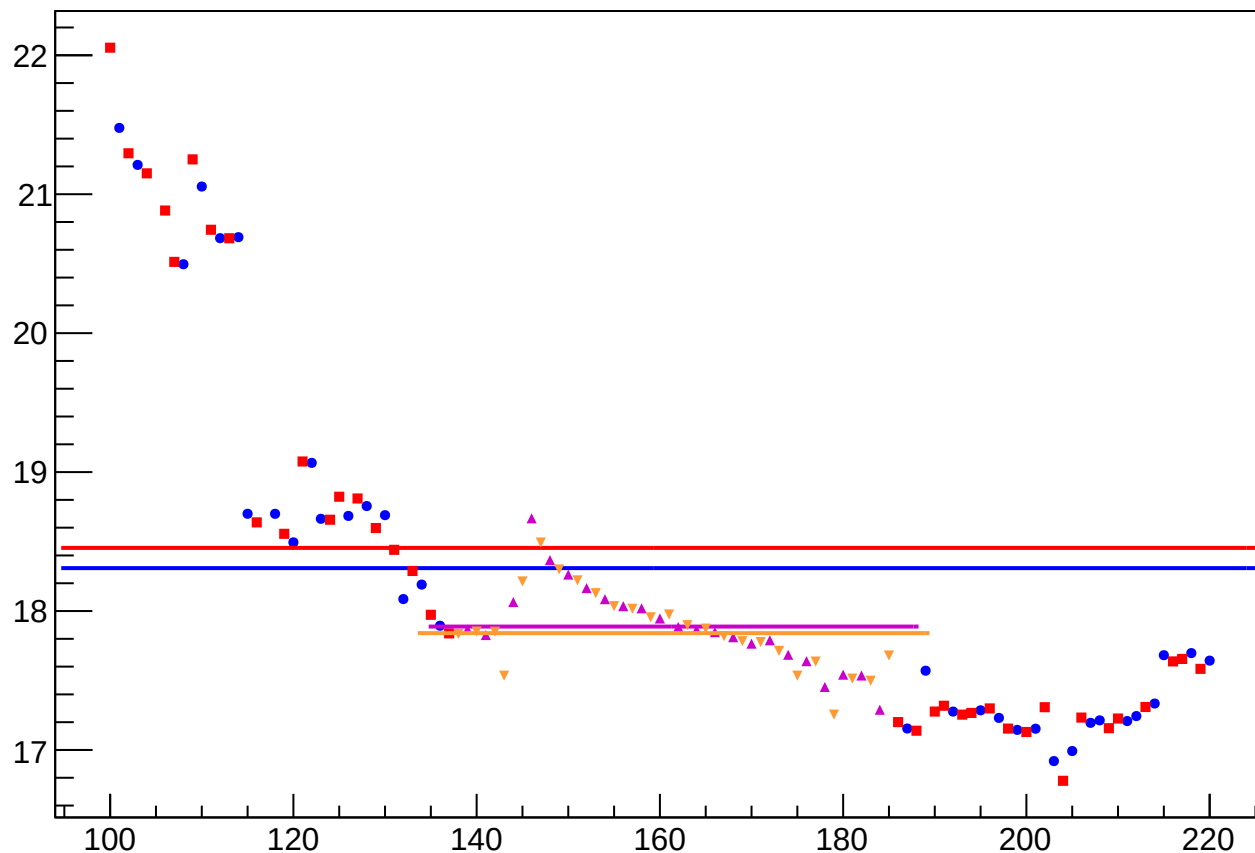
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.076 $\pm$ 0.000 χ^2 /NDF: 10318966.1/58

All: 0.077 $\pm$ 0.000 χ^2 /NDF: 20983192.1/118

- sign 0.078 $\pm$ 0.000 χ^2 /NDF: 10634617.2/59

yield_sam5_mean vs Slug



Right In: 18.309+/-0.000 χ^2/NDF : 32873907102.8/33

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 18.454+/-0.000 χ^2/NDF : 35021506554.5/36

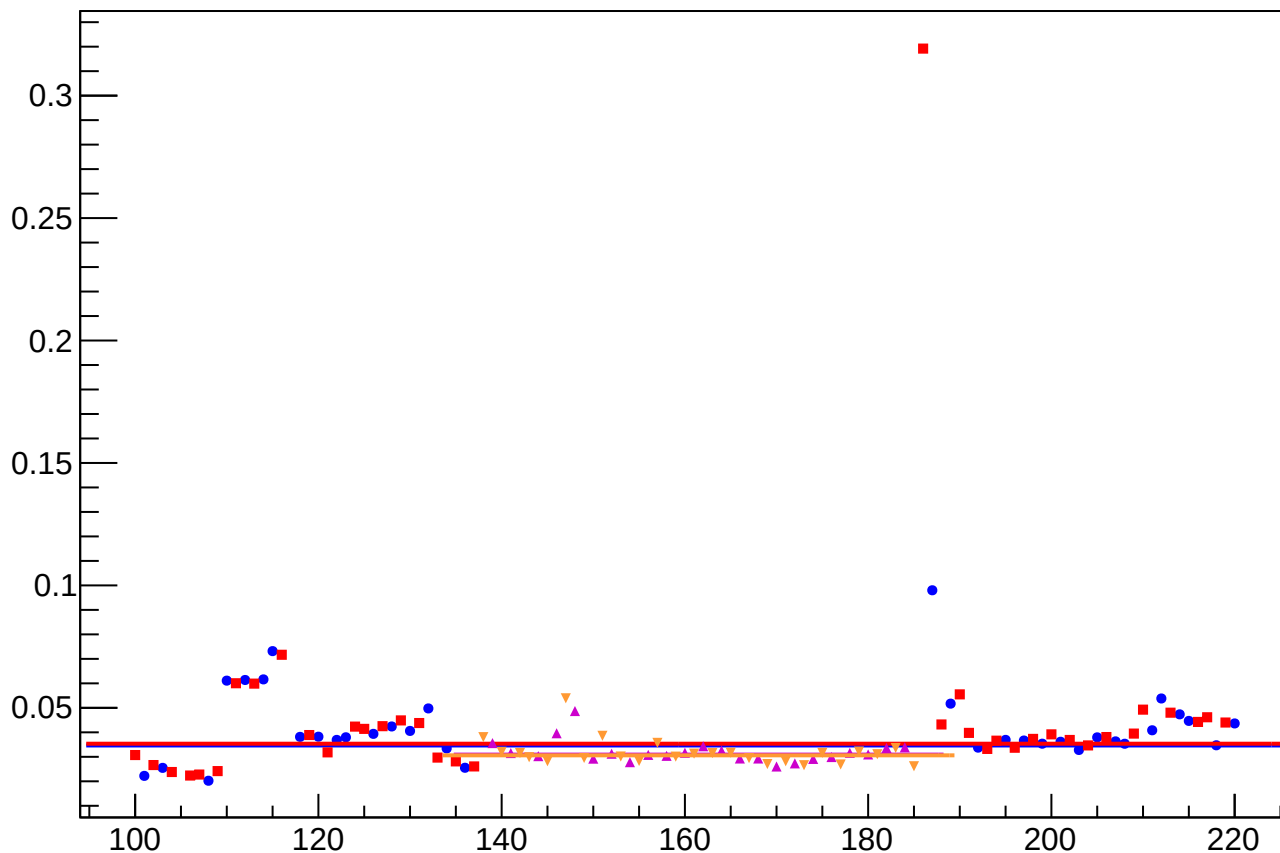
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.042+/-0.000 χ^2/NDF : 35914200041.5/58

All: 18.089+/-0.000 χ^2/NDF : 74741661735.9

- sign 18.138+/-0.000 χ^2/NDF : 38681398067.0/59

yield_sam5_rms vs Slug



Right In: 0.035 $\pm$ 0.000 χ^2 /NDF: 2254992.9/33

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 2647174.9/36

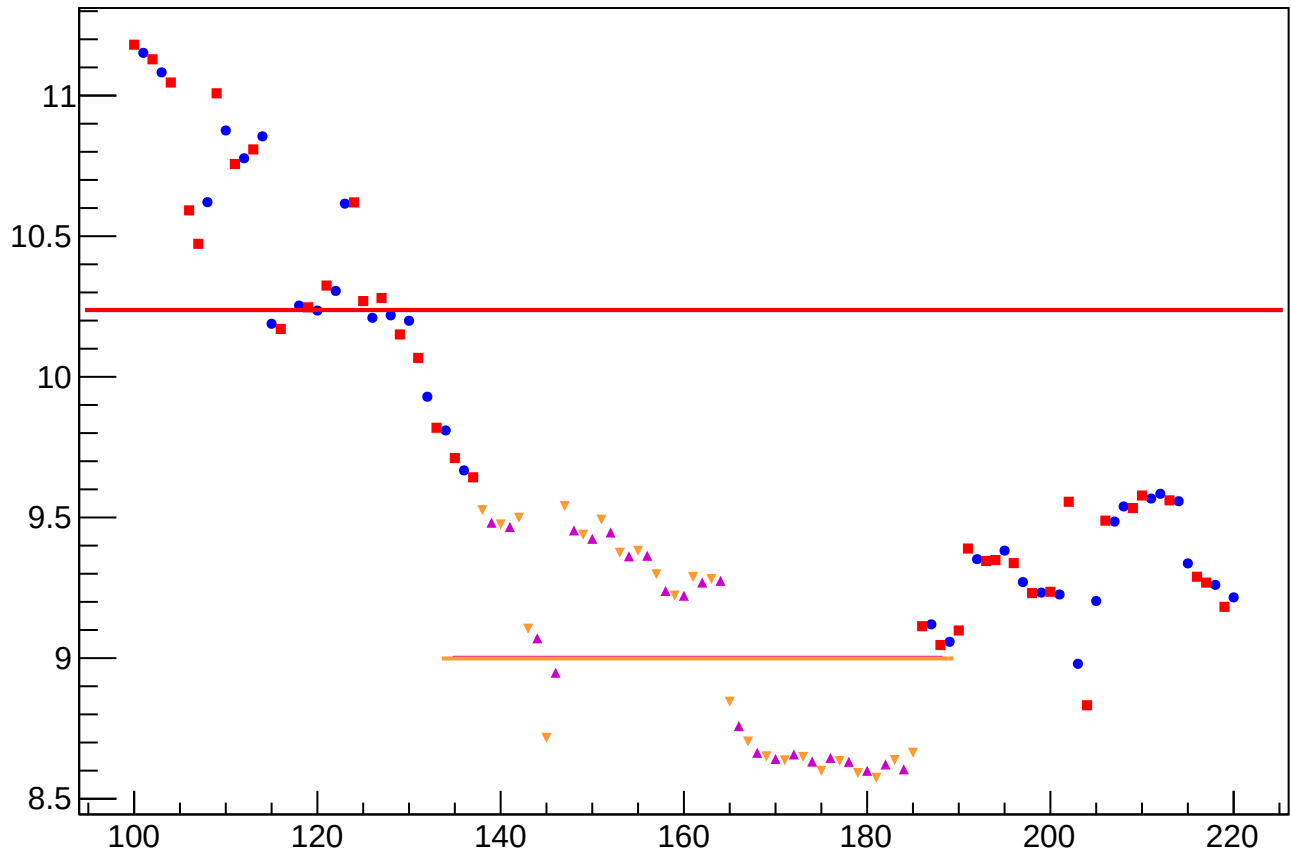
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 3106217.4/58

All: 0.033 $\pm$ 0.000 χ^2 /NDF: 6519331.7/118

- sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3404386.2/59

yield_sam6_mean vs Slug



Right In: 10.237 $\pm$ 0.000 χ^2 /NDF: 18893482127.8/33

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.238 $\pm$ 0.000 χ^2 /NDF: 16953645843.2/36

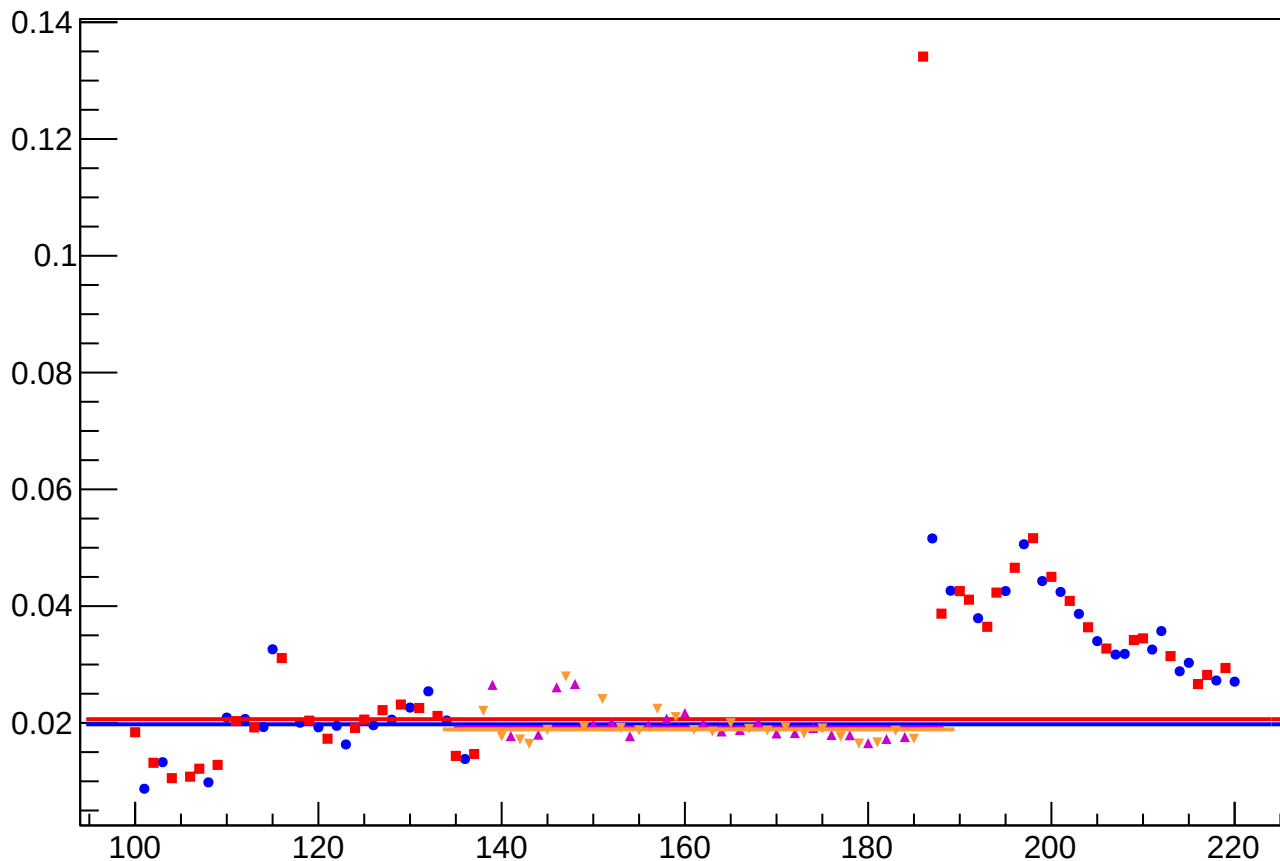
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.537 $\pm$ 0.000 χ^2 /NDF: 56582148383.4/58

All: 9.545 $\pm$ 0.000 χ^2 /NDF: 108082856018.4

- sign 9.553 $\pm$ 0.000 χ^2 /NDF: 51489721024.8/59

yield_sam6_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 7773837.0/33

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.021+/-0.000 χ^2/NDF : 7544239.5/36

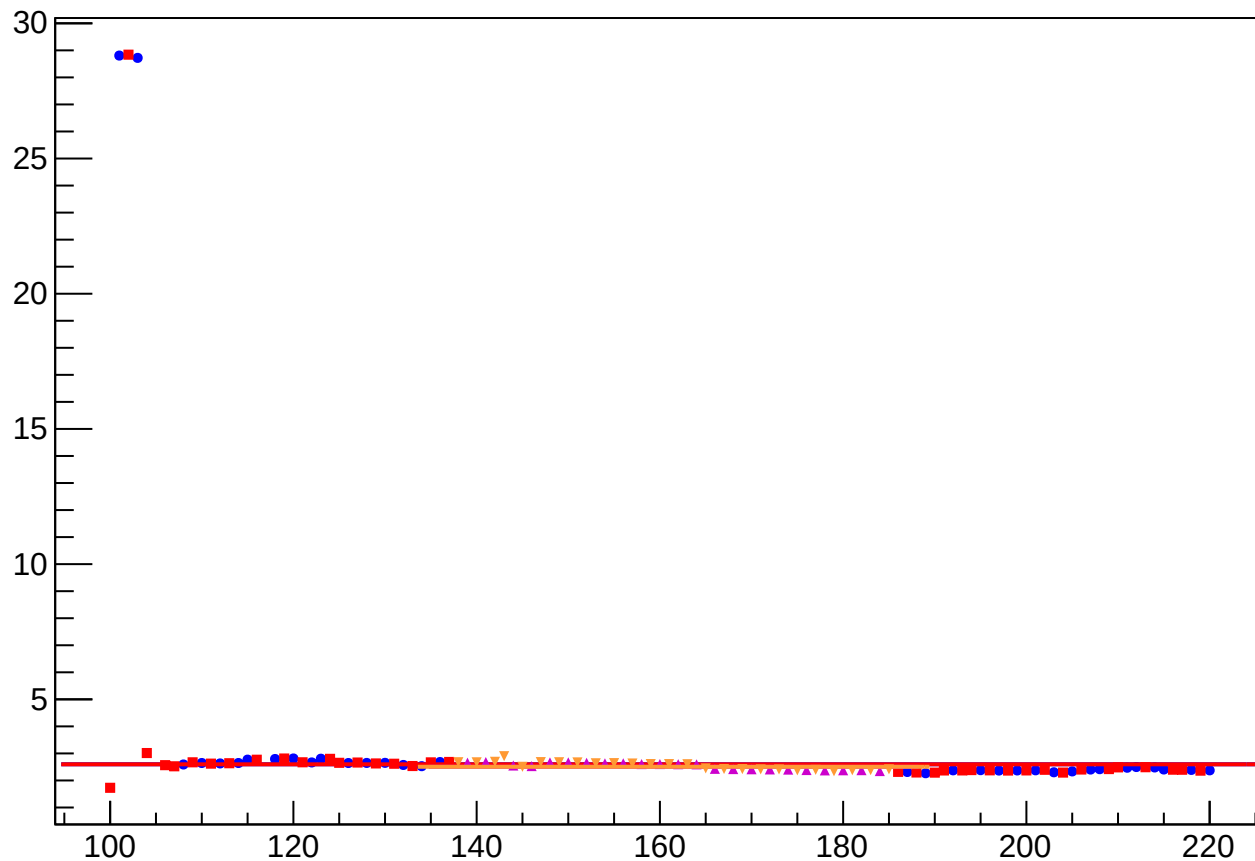
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.019+/-0.000 χ^2/NDF : 8232478.5/58

All: 0.020+/-0.000 χ^2/NDF : 16361747.8/118

- sign 0.020+/-0.000 χ^2/NDF : 8102143.9/59

yield_sam7_mean vs Slug



Right In: 2.599 $\pm$ 0.000 χ^2 /NDF: 188130355850.4/33

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.598 $\pm$ 0.000 χ^2 /NDF: 96757555515.0/36

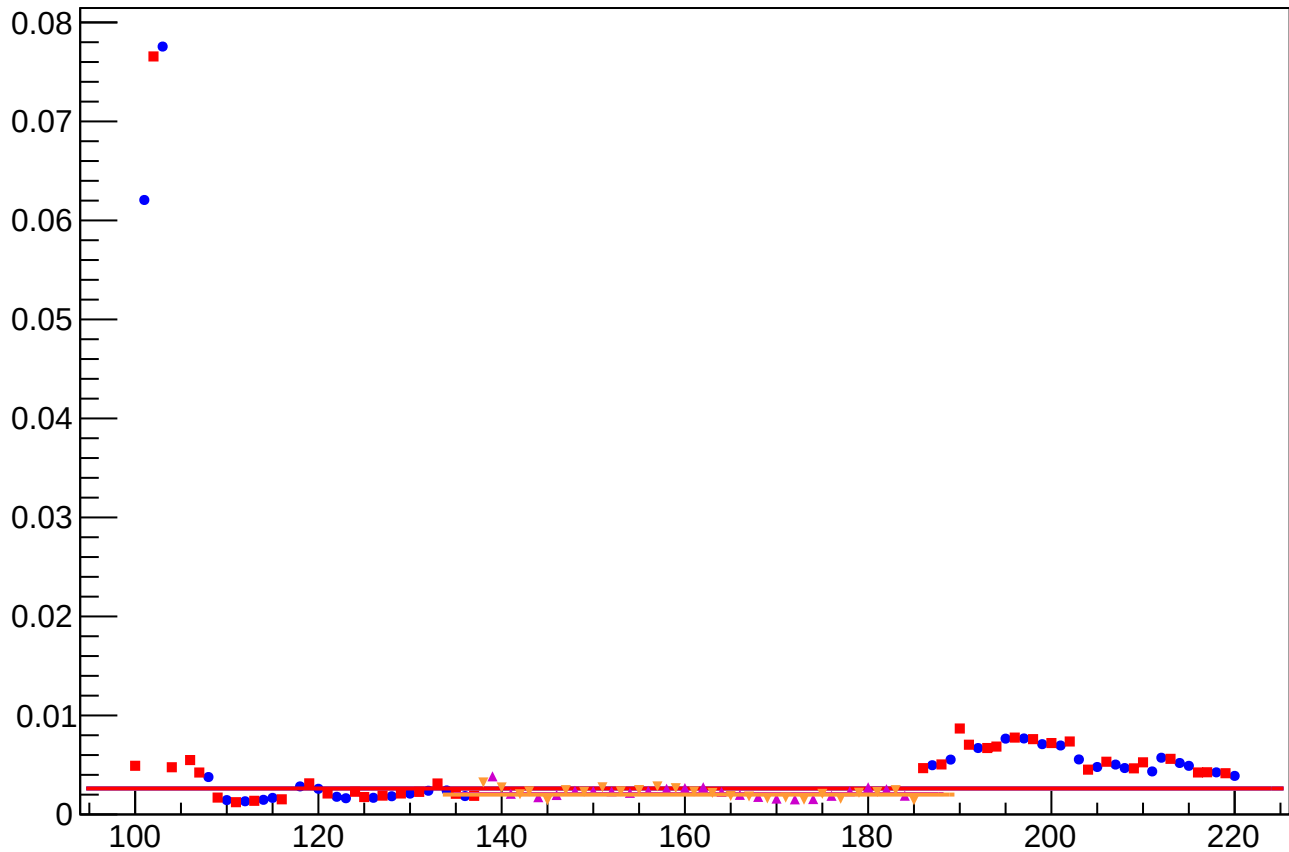
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.537 $\pm$ 0.000 χ^2 /NDF: 262561724854.3/58

All: 2.537 $\pm$ 0.000 χ^2 /NDF: 412193027078.6

- sign 2.538 $\pm$ 0.000 χ^2 /NDF: 149626689687.4/59

yield_sam7_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 10979757.7/33

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 10987157.4/36

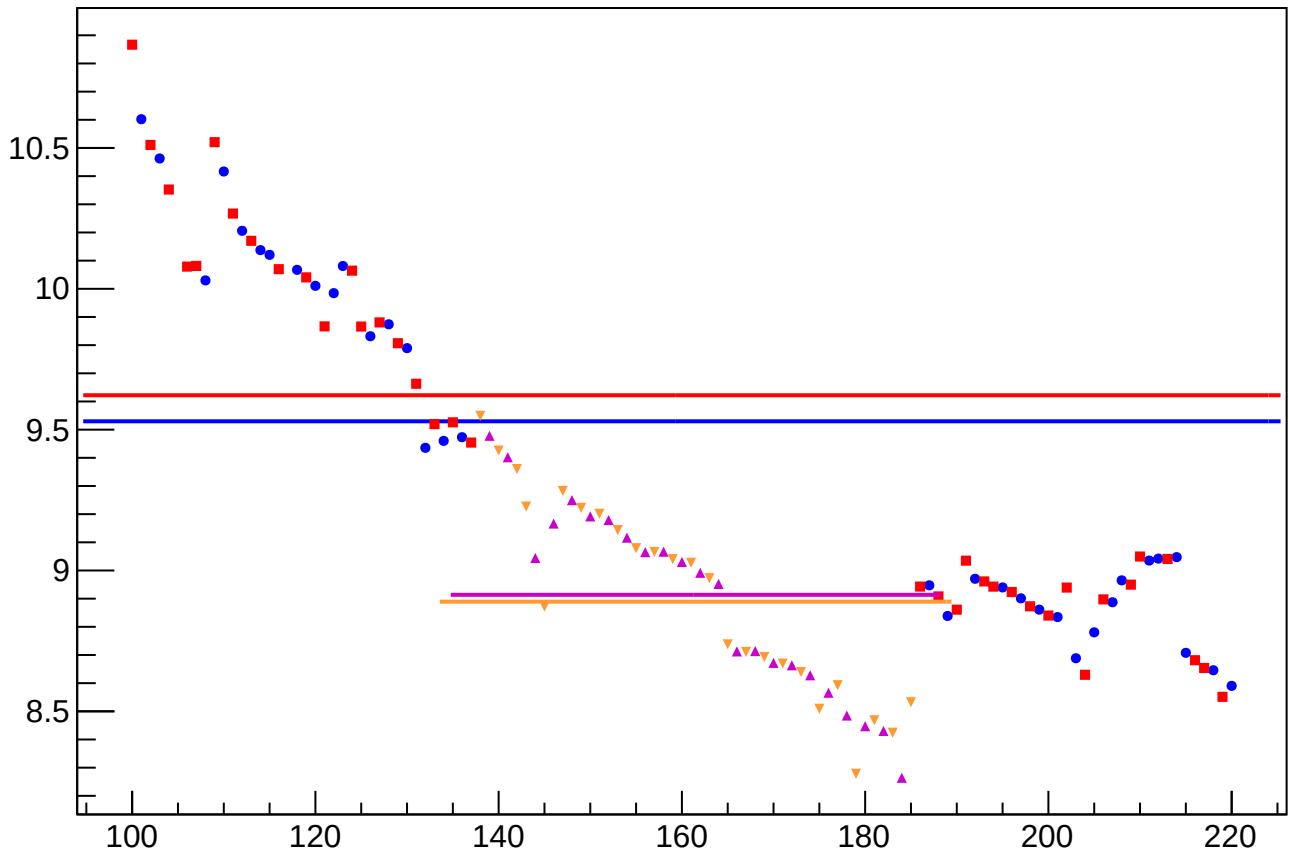
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13361867.8/58

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 26412146.9/118

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13036646.8/59

yield_sam8_mean vs Slug



Right In: 9.530 $\pm$ 0.000 χ^2 /NDF: 119755305995.4/33

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF:34704694045.9/24

Right Out: 9.622 $\pm$ 0.000 χ^2 /NDF: 130355525719.6/36

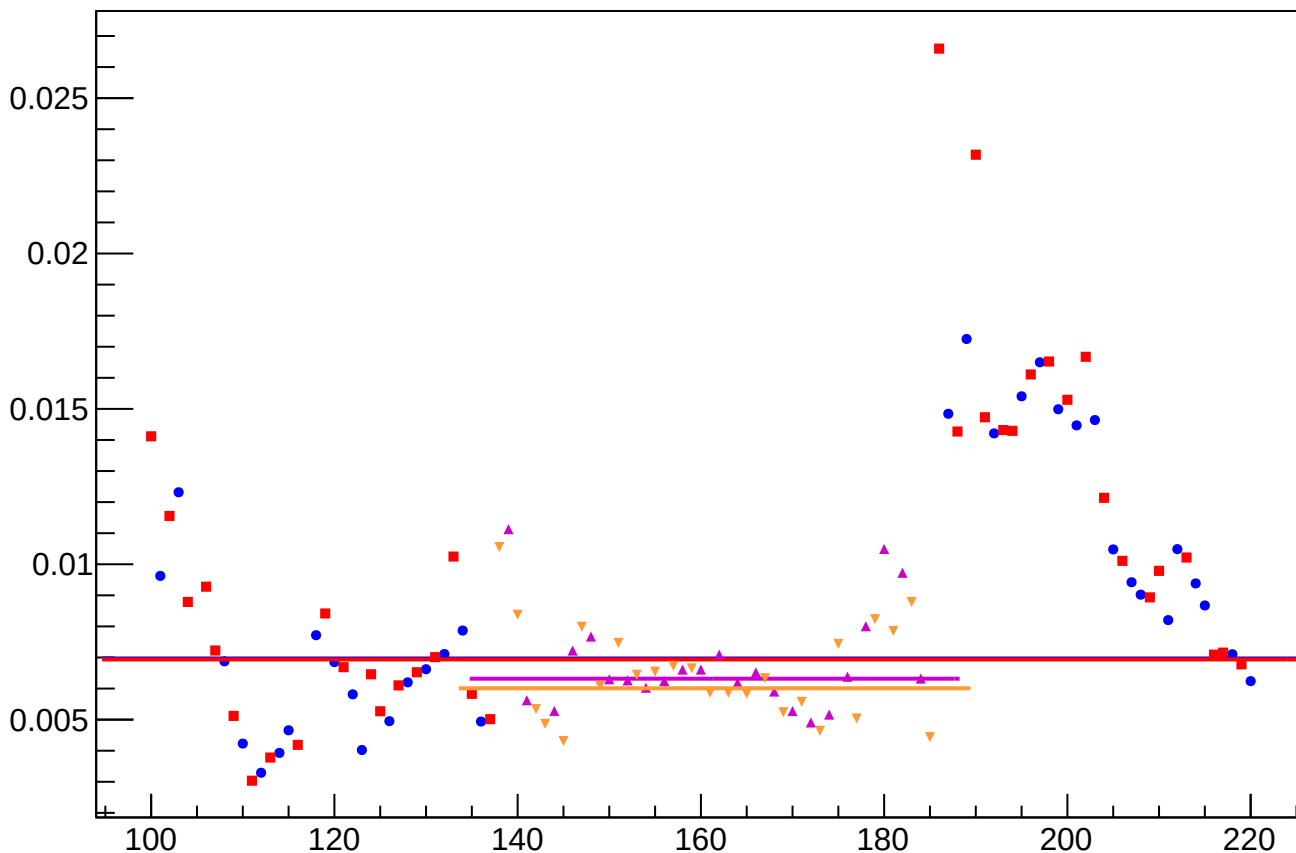
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF:28497227562.7/22

+ sign 9.162 $\pm$ 0.000 χ^2 /NDF: 224636381920.1/58

All: 9.199 $\pm$ 0.000 χ^2 /NDF: 465985809765.6

- sign 9.240 $\pm$ 0.000 χ^2 /NDF: 239295659184.5/59

yield_sam8_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6117135.7/33

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7553864.3/36

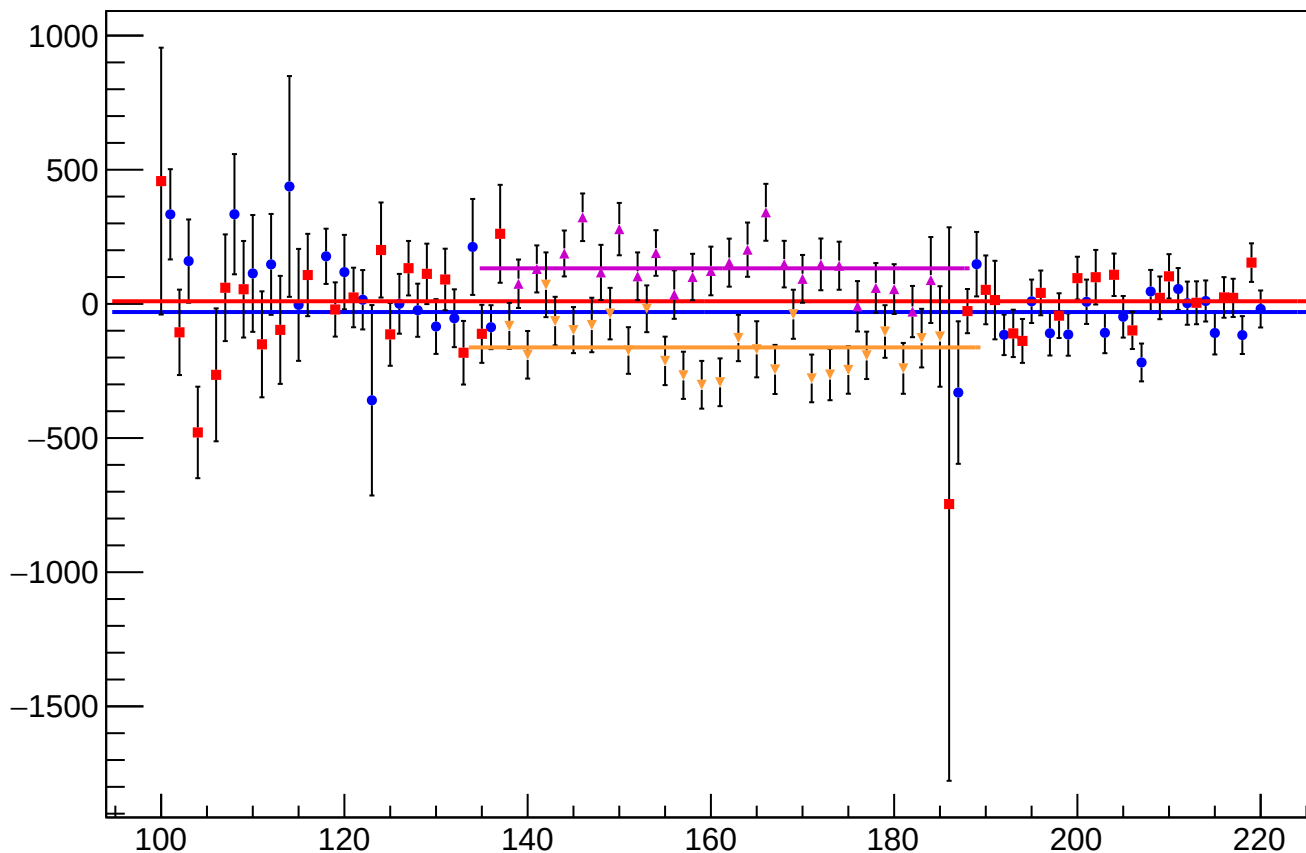
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7743898.5/58

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 16531186.8/118

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8763874.2/59

reg_asym_sam1_mean vs Slug



Right In: -30.367 ± 16.732 χ^2/NDF : 40.9/33

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: 9.790 ± 17.066 χ^2/NDF : 41.0/36

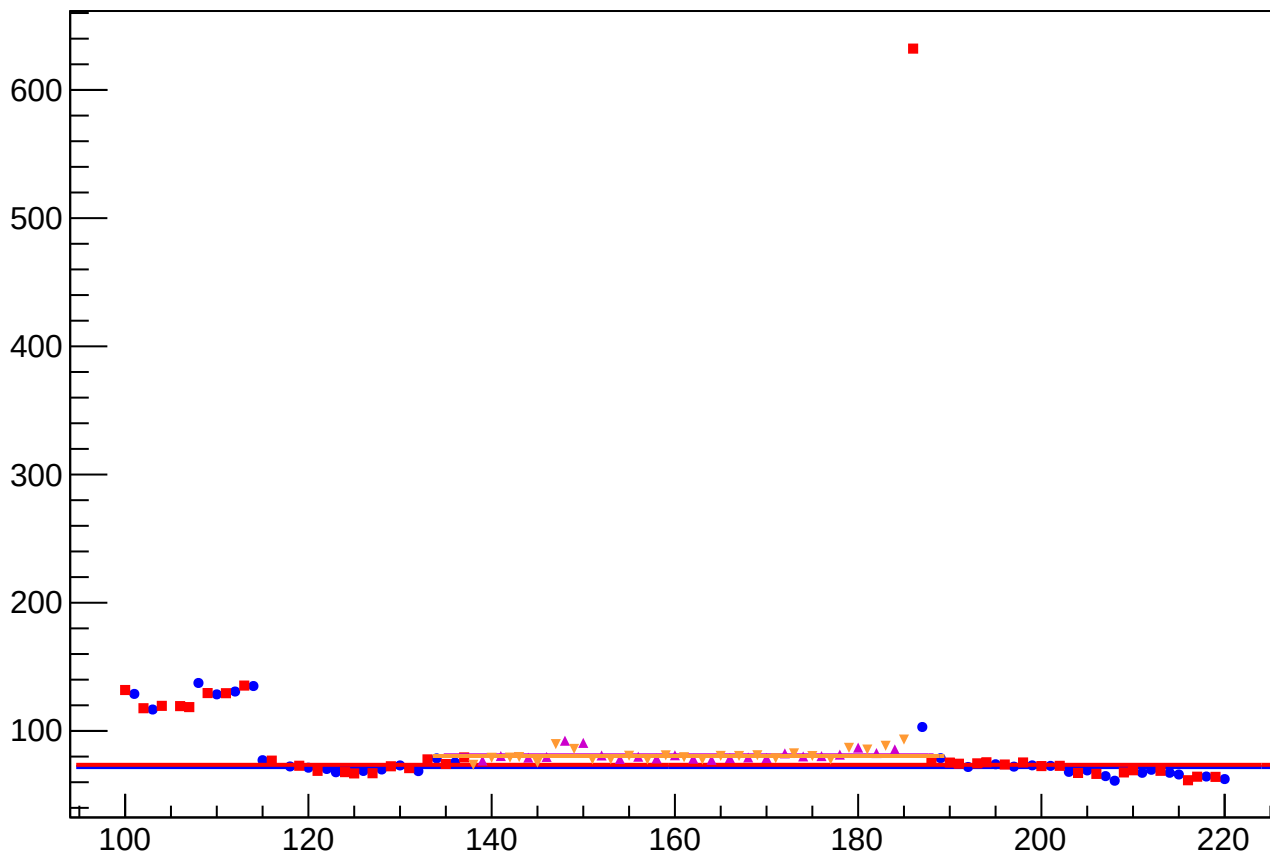
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -88.812 ± 12.483 χ^2/NDF : 94.1/58

All: -14.734 ± 8.942 χ^2/NDF : 250.8/118

- sign 63.339 ± 12.815 χ^2/NDF : 84.3/59

reg_asym_sam1_rms vs Slug



Right In: 71.794 $\pm$ 0.012 χ^2 /NDF: 1144209.5/33

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 73.583 $\pm$ 0.012 χ^2 /NDF: 1838014.3/36

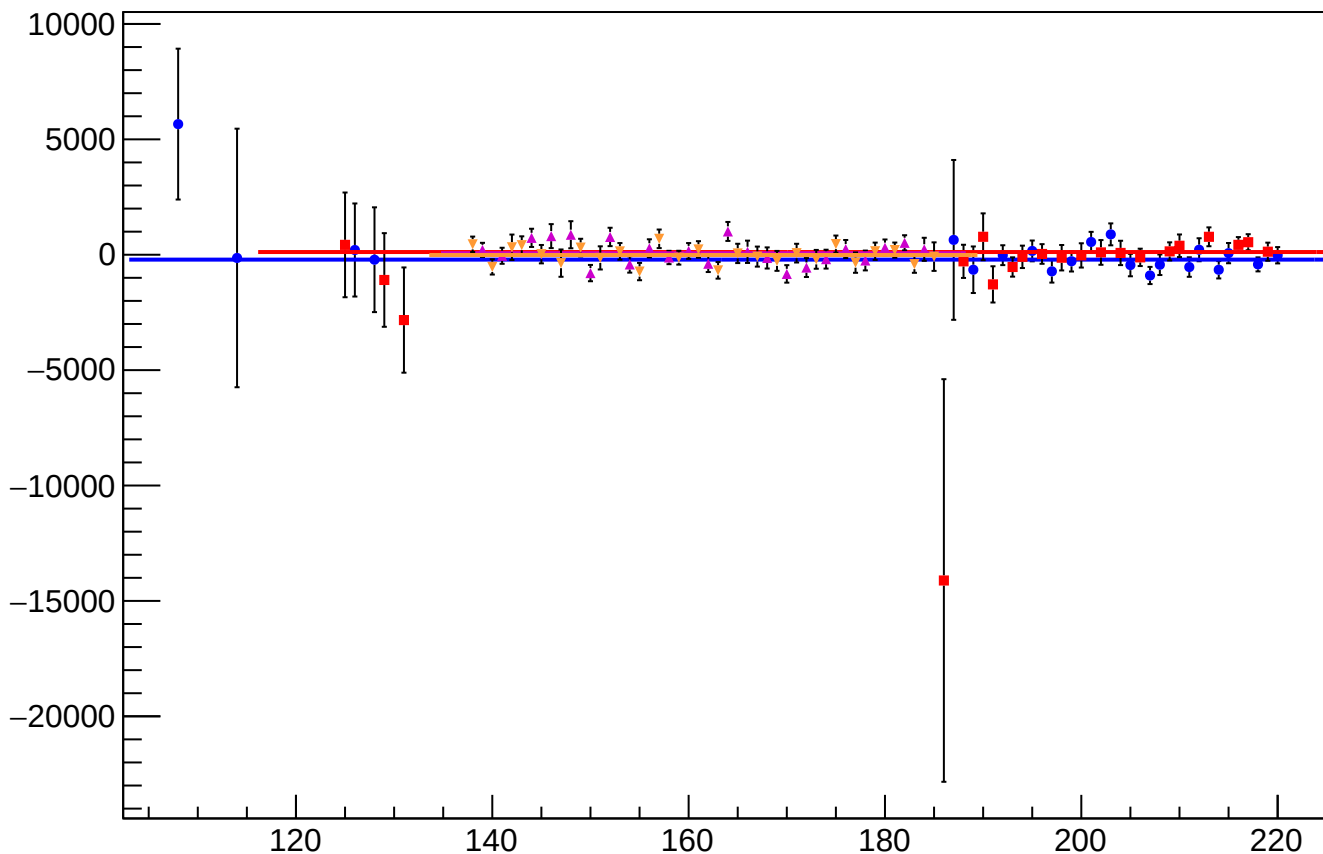
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 75.636 $\pm$ 0.009 χ^2 /NDF: 1471992.7/58

All: 76.215 $\pm$ 0.006 χ^2 /NDF: 3556455.3/118

- sign 76.824 $\pm$ 0.009 χ^2 /NDF: 2075644.8/59

asym_sam1_correction_mean vs Slug



Right In: -211.409 ± 106.567 χ^2/NDF : 21.6/20

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: 117.508 ± 110.435 χ^2/NDF : 17.2/20

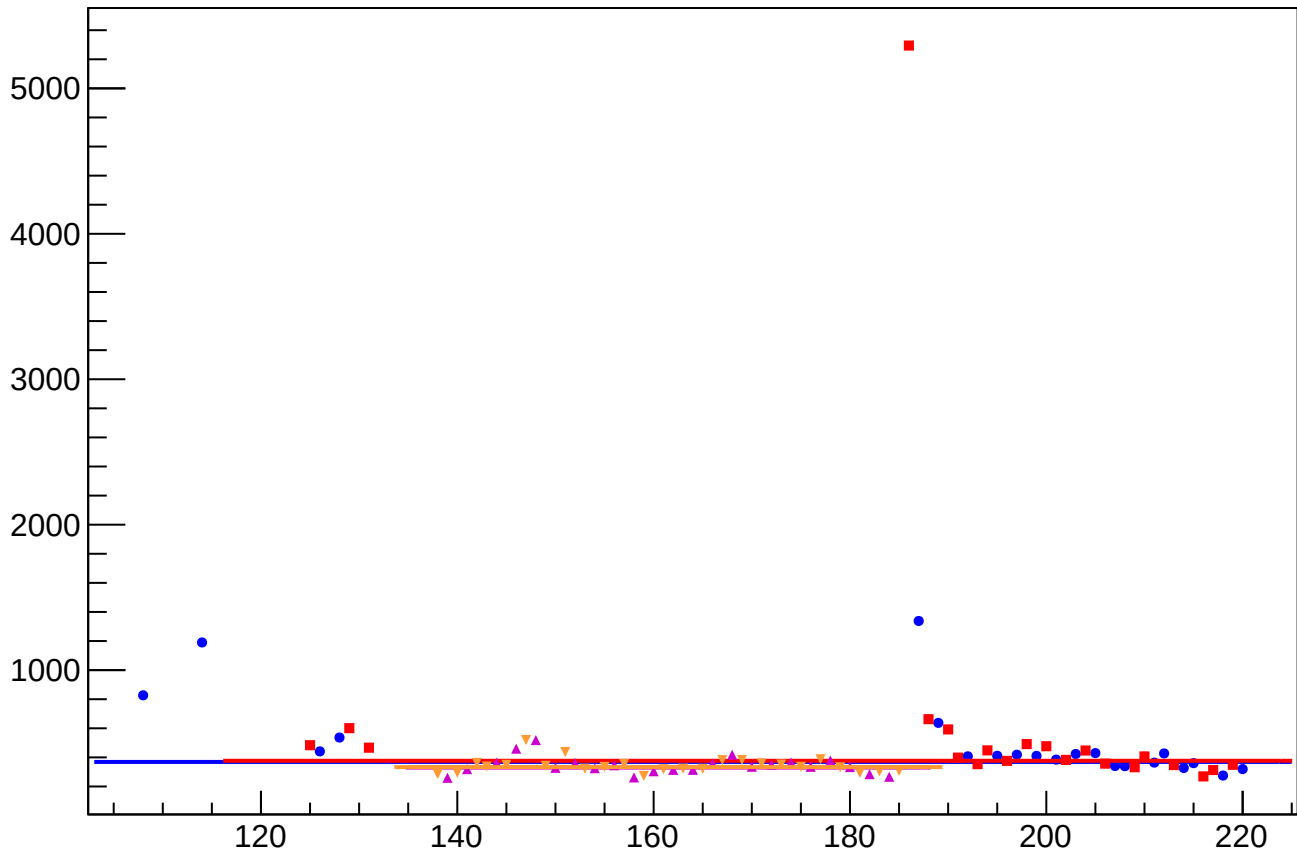
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -81.034 ± 63.146 χ^2/NDF : 46.5/45

All: -1.240 ± 45.229 χ^2/NDF : 104.5/89

- sign 82.817 ± 64.812 χ^2/NDF : 54.8/43

asym_sam1_correction_rms vs Slug



Right In: 368.780 $\pm$ 0.075 χ^2 /NDF: 827020.8/20

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 376.710 $\pm$ 0.078 χ^2 /NDF: 1650929.8/20

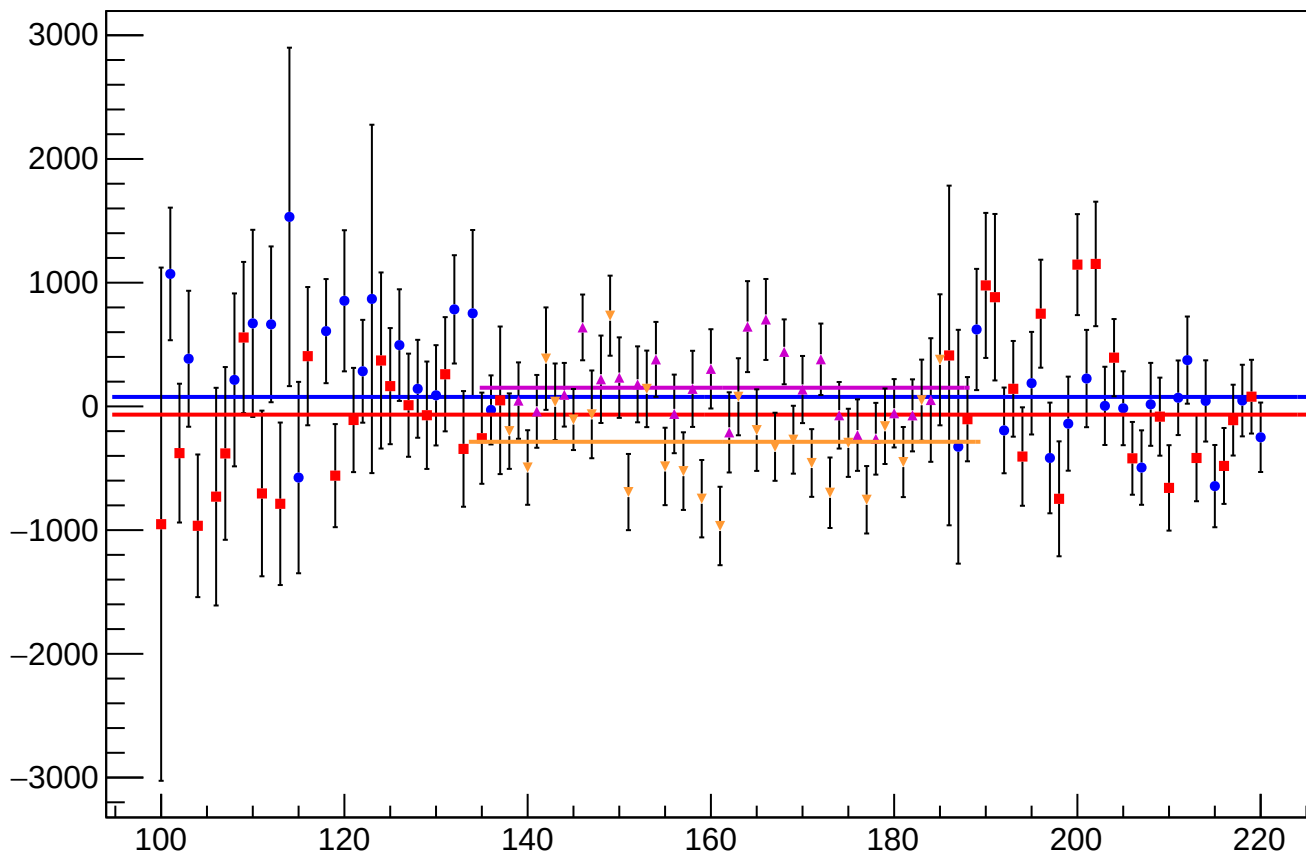
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 345.714 $\pm$ 0.045 χ^2 /NDF: 1563538.2/45

All: 345.892 $\pm$ 0.032 χ^2 /NDF: 4245178.4/89

- sign 346.079 $\pm$ 0.046 χ^2 /NDF: 2681607.8/43

reg_asym_sam2_mean vs Slug



Right In: 76.546 $\pm$ 69.180 χ^2 /NDF: 30.1/33

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: -66.573 $\pm$ 71.024 χ^2 /NDF: 47.1/36

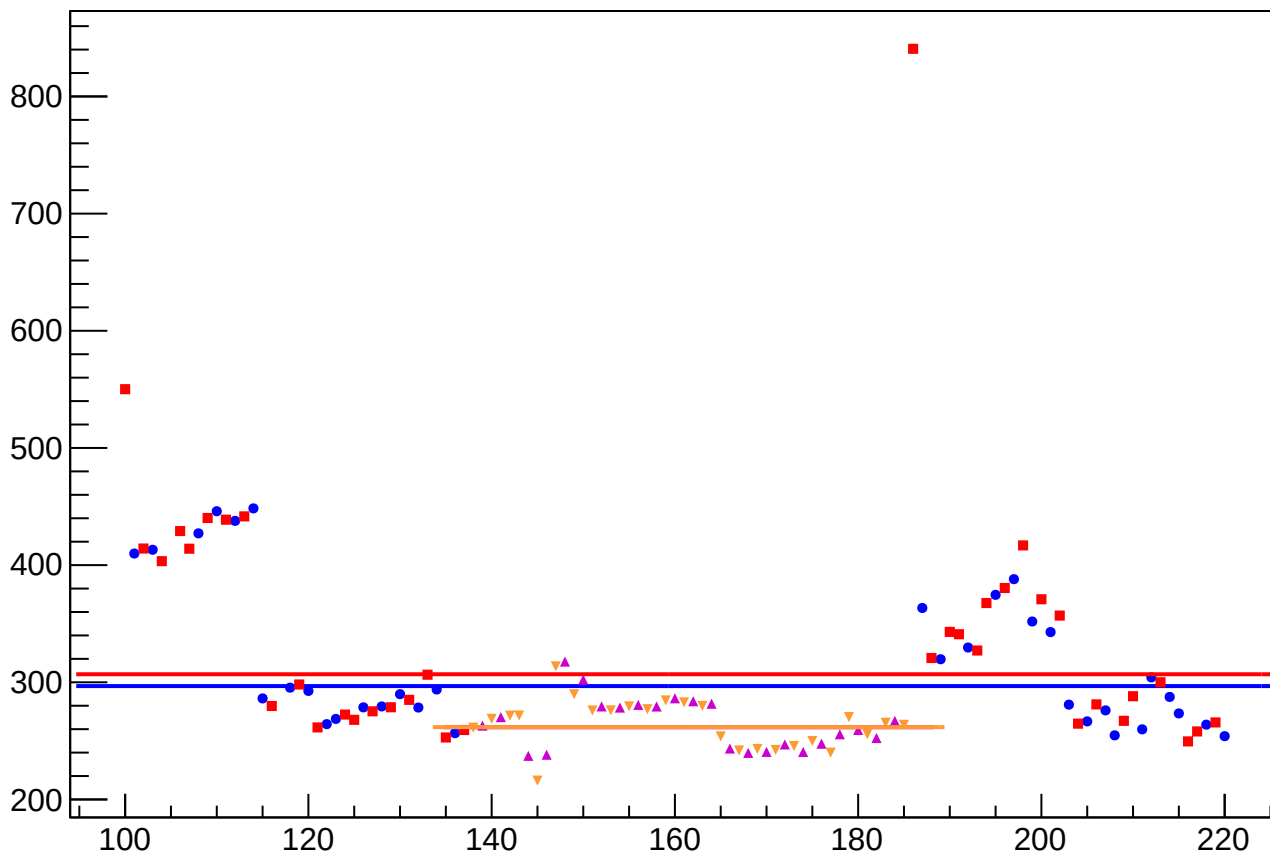
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -127.158 $\pm$ 45.793 χ^2 /NDF: 82.1/58

All: -38.329 $\pm$ 32.817 χ^2 /NDF: 160.9/118

- sign 55.459 $\pm$ 47.054 χ^2 /NDF: 71.0/59

reg_asym_sam2_rms vs Slug



Right In: 296.765 $\pm$ 0.049 χ^2 /NDF: 953772.4/33

Left Out: 261.722 $\pm$ 0.043 χ^2 /NDF: 233222.6/24

Right Out: 306.851 $\pm$ 0.050 χ^2 /NDF: 1491637.0/36

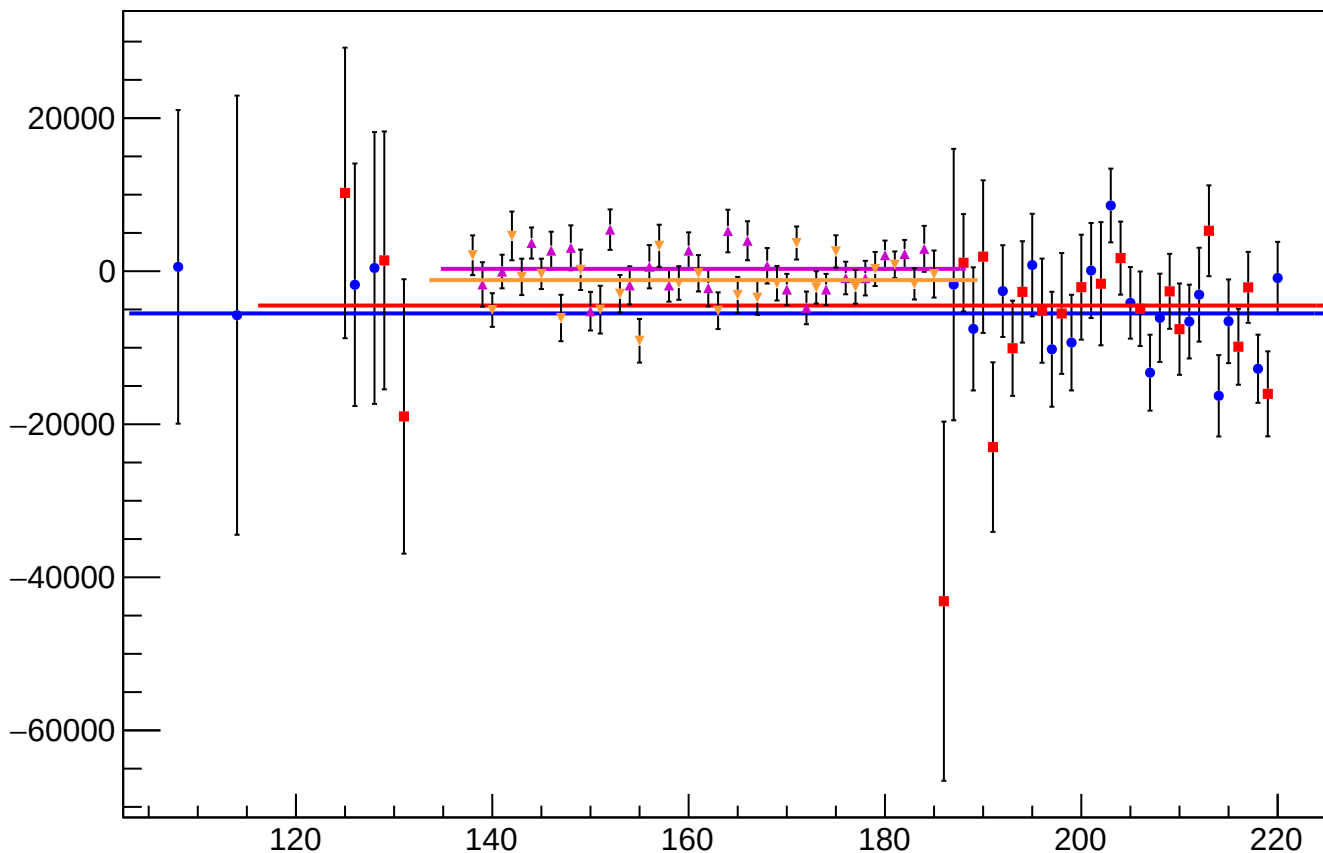
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 277.077 $\pm$ 0.032 χ^2 /NDF: 1475320.1/58

All: 279.219 $\pm$ 0.023 χ^2 /NDF: 3658969.9/118

- sign 281.482 $\pm$ 0.033 χ^2 /NDF: 2174648.2/59

asym_sam2_correction_mean vs Slug



Right In: -5516.434 ± 1358.299 χ^2/NDF : 22.1/20

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -4488.275 ± 1442.281 χ^2/NDF : 19.8/20

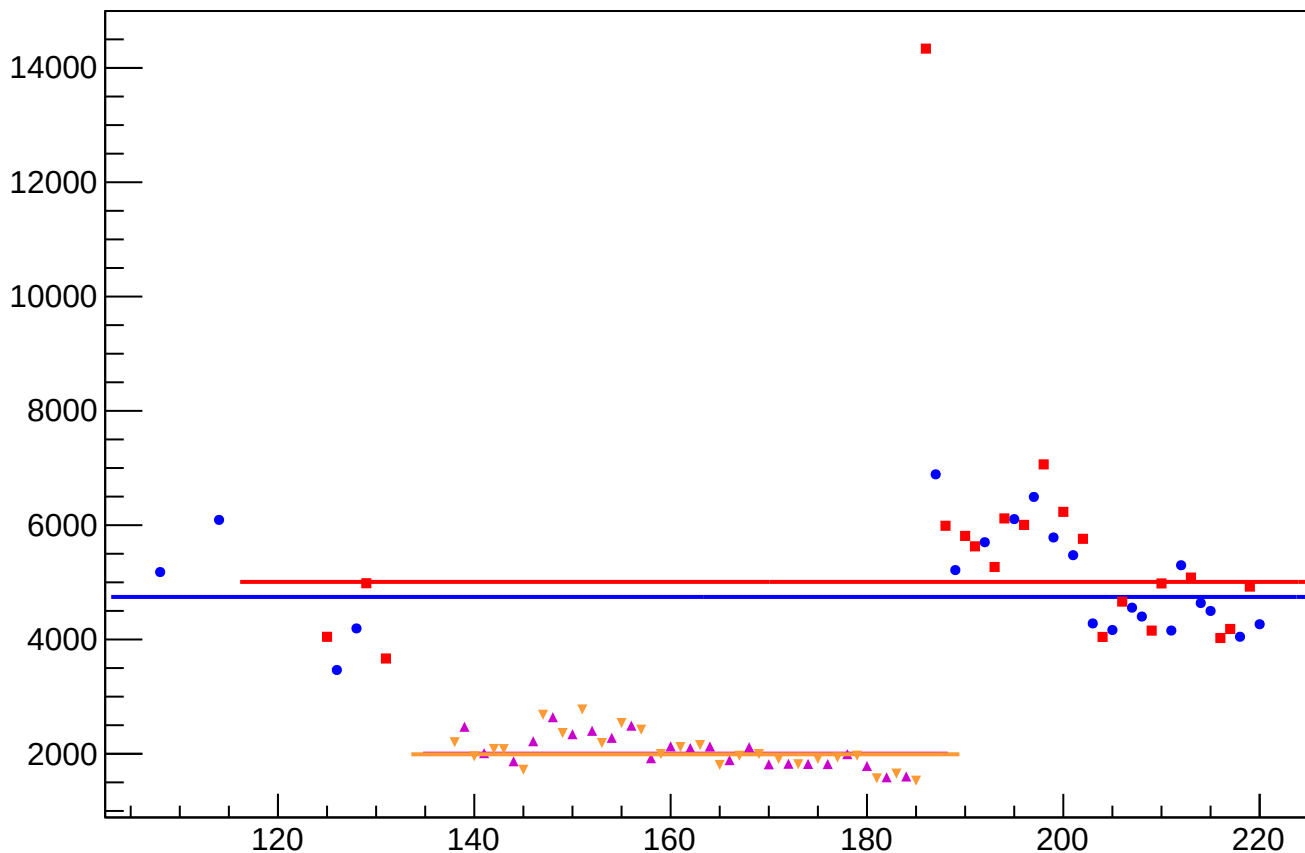
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1625.408 ± 443.348 χ^2/NDF : 70.1/45

All: -927.396 ± 318.771 χ^2/NDF : 140.2/89

- sign -180.324 ± 458.664 χ^2/NDF : 65.1/43

asym_sam2_correction_rms vs Slug



Right In: 4744.580 ± 0.960 $\chi^2/\text{NDF}: 561087.2/20$

Left Out: 1991.105 ± 0.332 $\chi^2/\text{NDF}: 726310.6/24$

Right Out: 5007.588 ± 1.020 $\chi^2/\text{NDF}: 1013122.3/20$

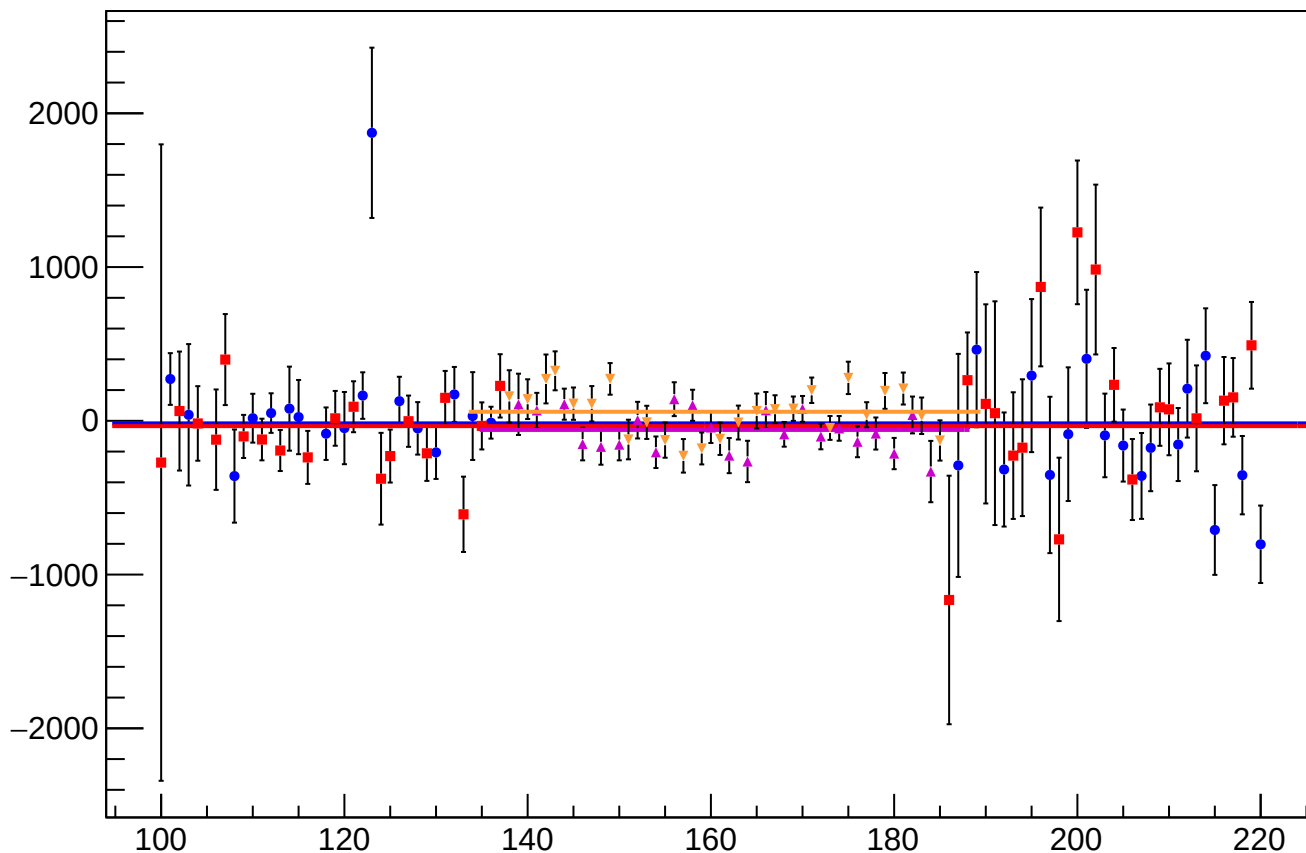
Left In: 2002.154 ± 0.342 $\chi^2/\text{NDF}: 585947.4/22$

+ sign 2284.450 ± 0.313 $\chi^2/\text{NDF}: 8630477.1/45$

All: 2294.907 ± 0.225 $\chi^2/\text{NDF}: 18038061.8/8$

- sign 2306.099 ± 0.324 $\chi^2/\text{NDF}: 9405281.2/43$

reg_asym_sam3_mean vs Slug



Right In: -16.678 ± 37.940 χ^2/NDF : 46.9/33

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -34.610 ± 38.194 χ^2/NDF : 44.9/36

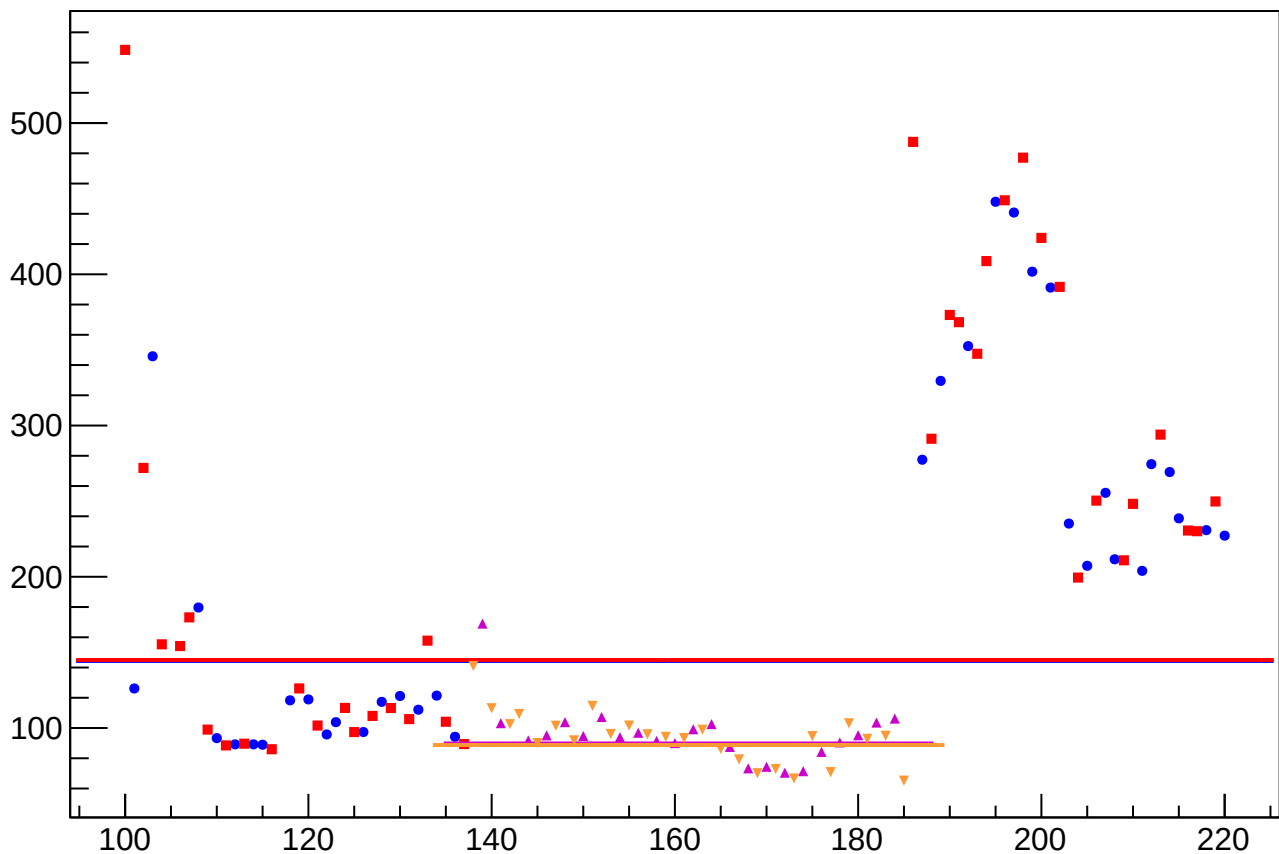
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 41.061 ± 18.465 χ^2/NDF : 96.8/58

All: -4.661 ± 13.246 χ^2/NDF : 184.0/118

- sign -53.133 ± 19.012 χ^2/NDF : 74.6/59

reg_asym_sam3_rms vs Slug



Right In: 144.350 $\pm$ 0.027 χ^2 /NDF: 8229129.5/33

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 144.963 $\pm$ 0.027 χ^2 /NDF: 9216068.1/36

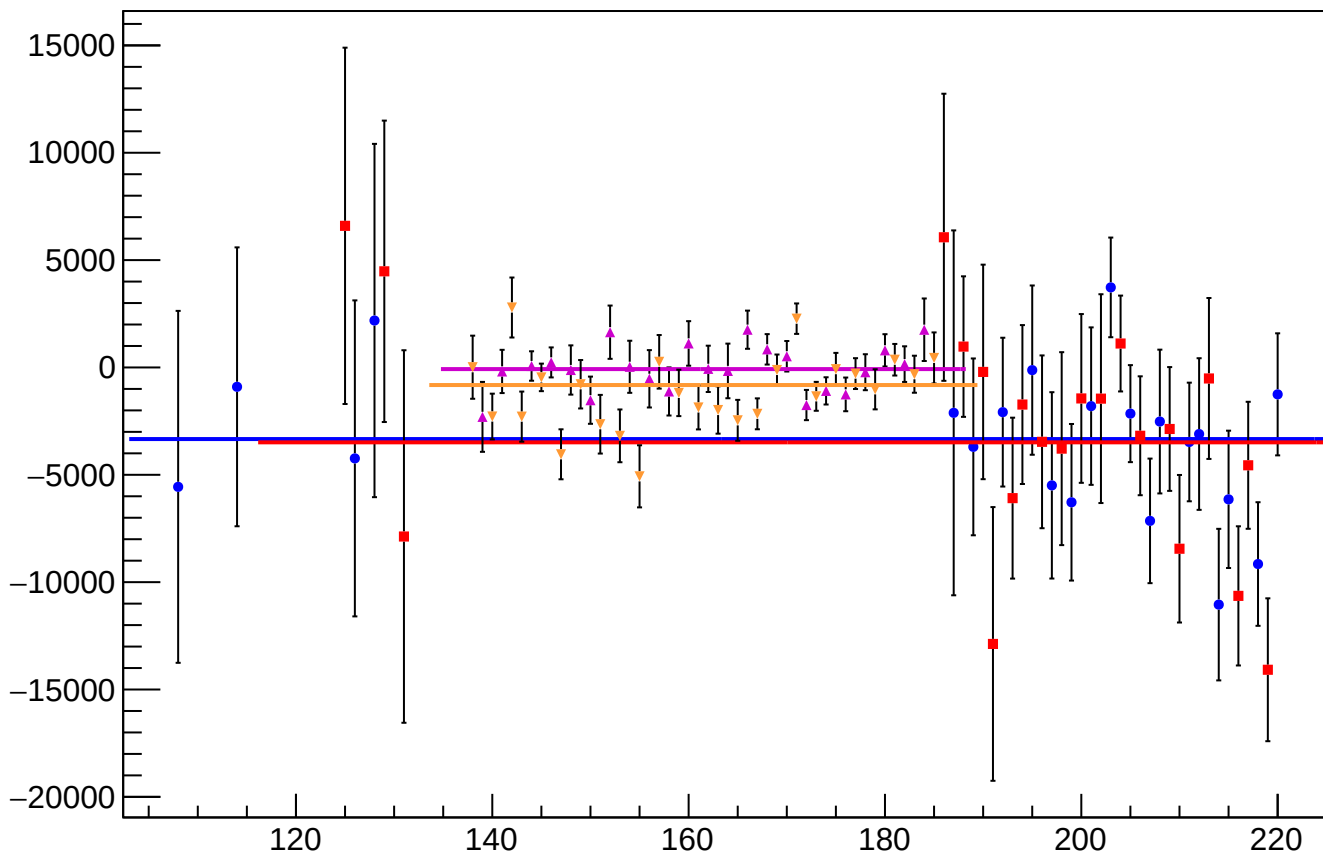
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 101.918 $\pm$ 0.013 χ^2 /NDF: 12586474.9/58

All: 102.658 $\pm$ 0.009 χ^2 /NDF: 25836977.2/11

- sign 103.443 $\pm$ 0.013 χ^2 /NDF: 13243886.6/59

asym_sam3_correction_mean vs Slug



Right In: -3334.880 $\pm$ 762.891 χ^2 /NDF: 24.1/20

Left Out: -818.877 $\pm$ 184.464 χ^2 /NDF: 68.2/24

Right Out: -3487.823 $\pm$ 816.987 χ^2 /NDF: 32.8/20

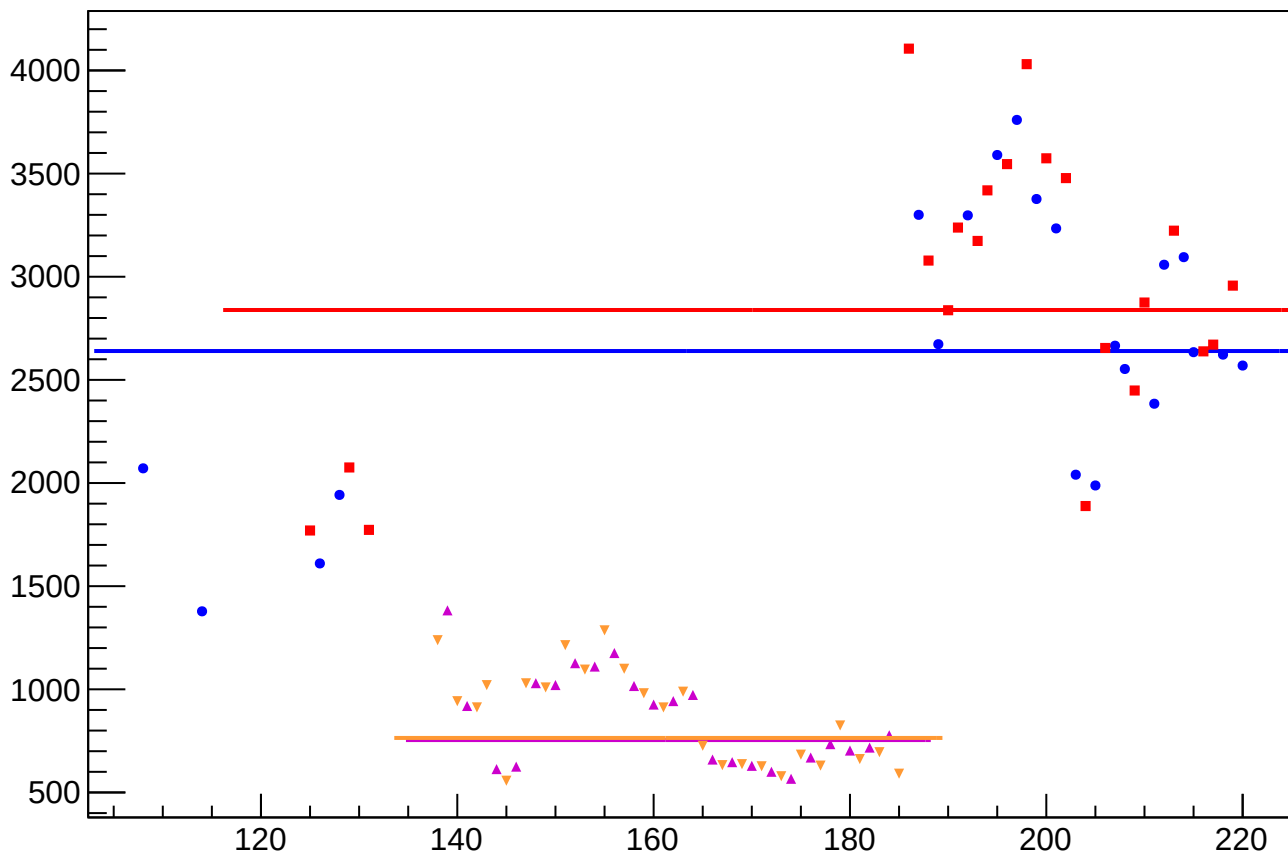
Left In: -76.204 $\pm$ 186.651 χ^2 /NDF: 28.3/22

+ sign -957.850 $\pm$ 179.297 χ^2 /NDF: 102.6/45

All: -606.901 $\pm$ 127.714 χ^2 /NDF: 188.0/89

- sign -245.440 $\pm$ 181.962 χ^2 /NDF: 77.7/43

asym_sam3_correction_rms vs Slug



Right In: 2639.898+/-0.539 χ^2/NDF : 987740.4/20

Left Out: 764.280+/-0.130 χ^2/NDF : 2315985.8/24

Right Out: 2838.779+/-0.578 χ^2/NDF : 995452.8/20

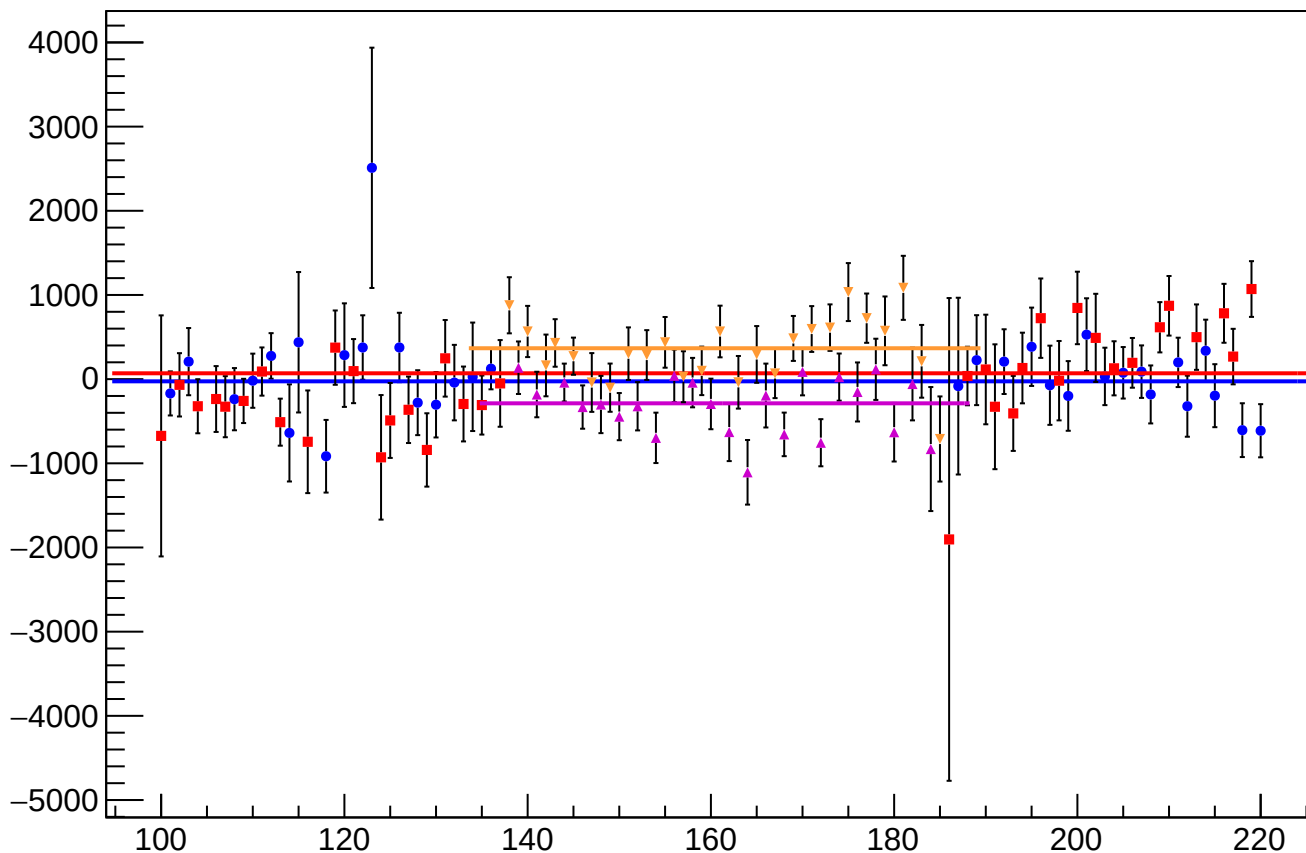
Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

+ sign 867.881+/-0.127 χ^2/NDF : 14725080.2/45

All: 862.739+/-0.090 χ^2/NDF : 30114173.1/89

- sign 857.443+/-0.129 χ^2/NDF : 15385753.5/43

reg_asym_sam4_mean vs Slug



Right In: -26.052 ± 64.893 χ^2/NDF : 27.6/33

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: 69.459 ± 64.456 χ^2/NDF : 54.2/36

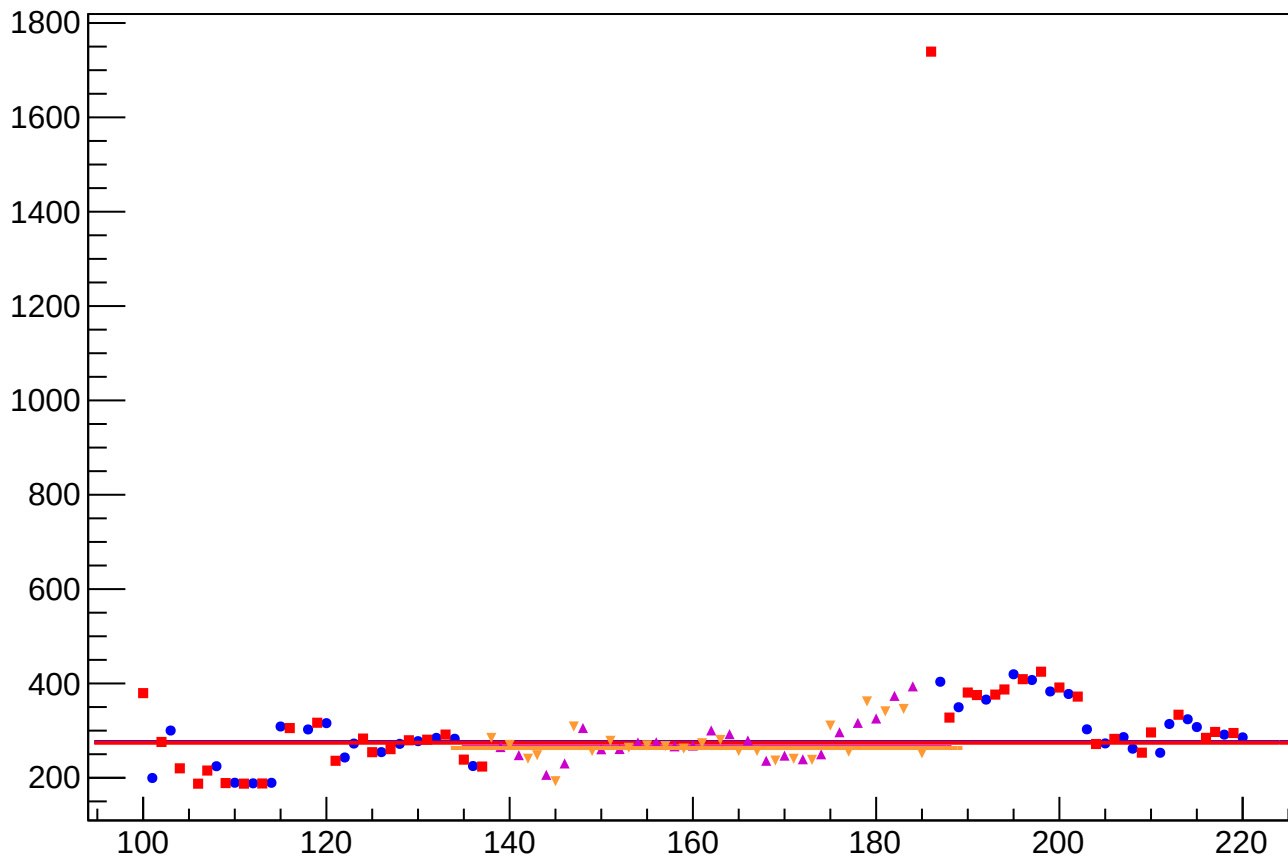
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 179.623 ± 44.807 χ^2/NDF : 75.0/58

All: 37.038 ± 31.913 χ^2/NDF : 189.0/118

- sign -109.767 ± 45.465 χ^2/NDF : 93.5/59

reg_asym_sam4_rms vs Slug



Right In: 275.767 $\pm$ 0.046 χ^2 /NDF: 1616818.1/33

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF:642226.0/24

Right Out: 274.381 $\pm$ 0.046 χ^2 /NDF: 2478569.9/36

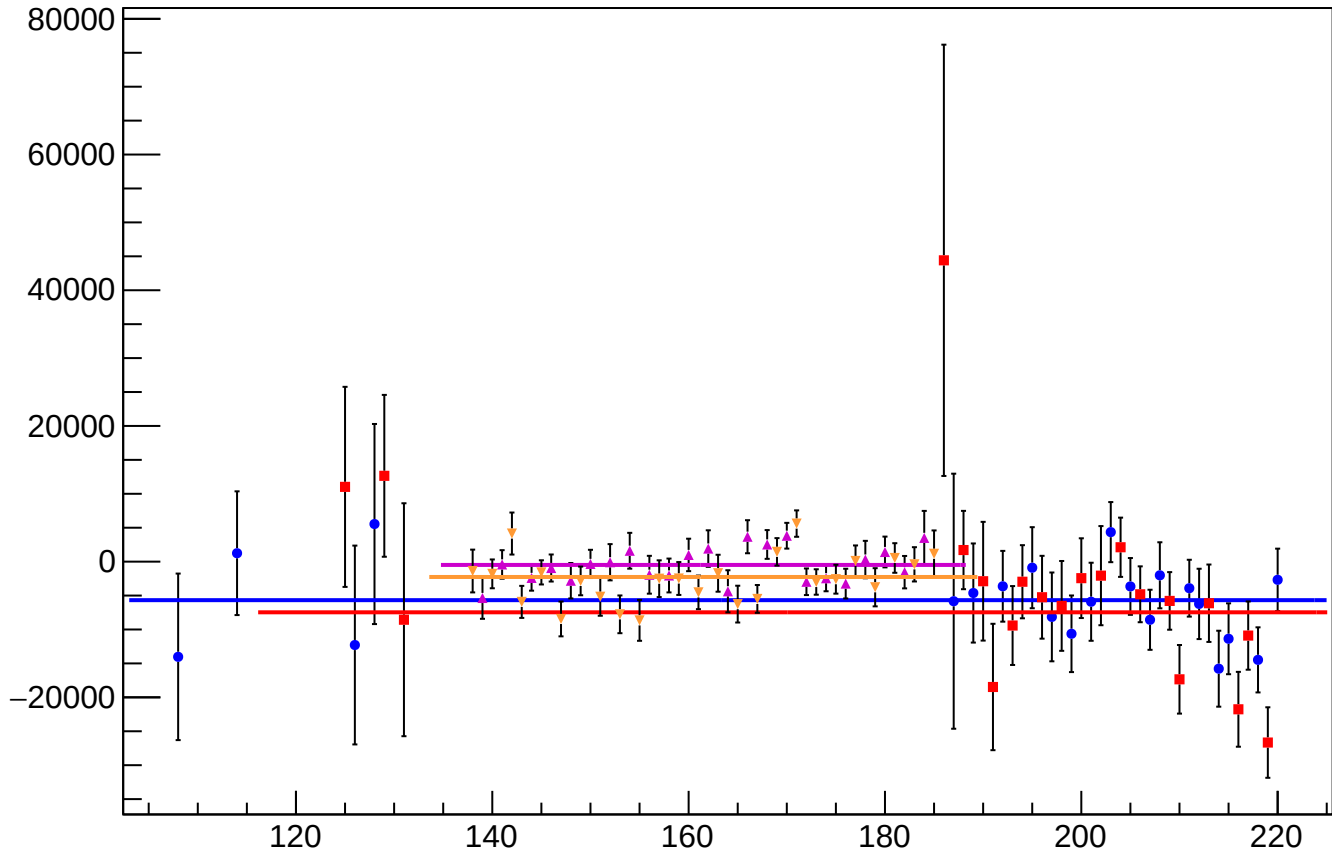
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF:609024.7/22

+ sign 269.141 $\pm$ 0.032 χ^2 /NDF: 2298901.7/58

All: 269.381 $\pm$ 0.023 χ^2 /NDF: 5408249.9/118

- sign 269.629 $\pm$ 0.032 χ^2 /NDF: 3109231.3/59

asym_sam4_correction_mean vs Slug



Right In: -5677.677 $\pm$ 1236.417 χ^2/NDF : 18.3/20

Left Out: -2260.196 $\pm$ 475.336 χ^2/NDF : 52.3/24

Right Out: -7468.144 $\pm$ 1315.101 χ^2/NDF : 43.6/20

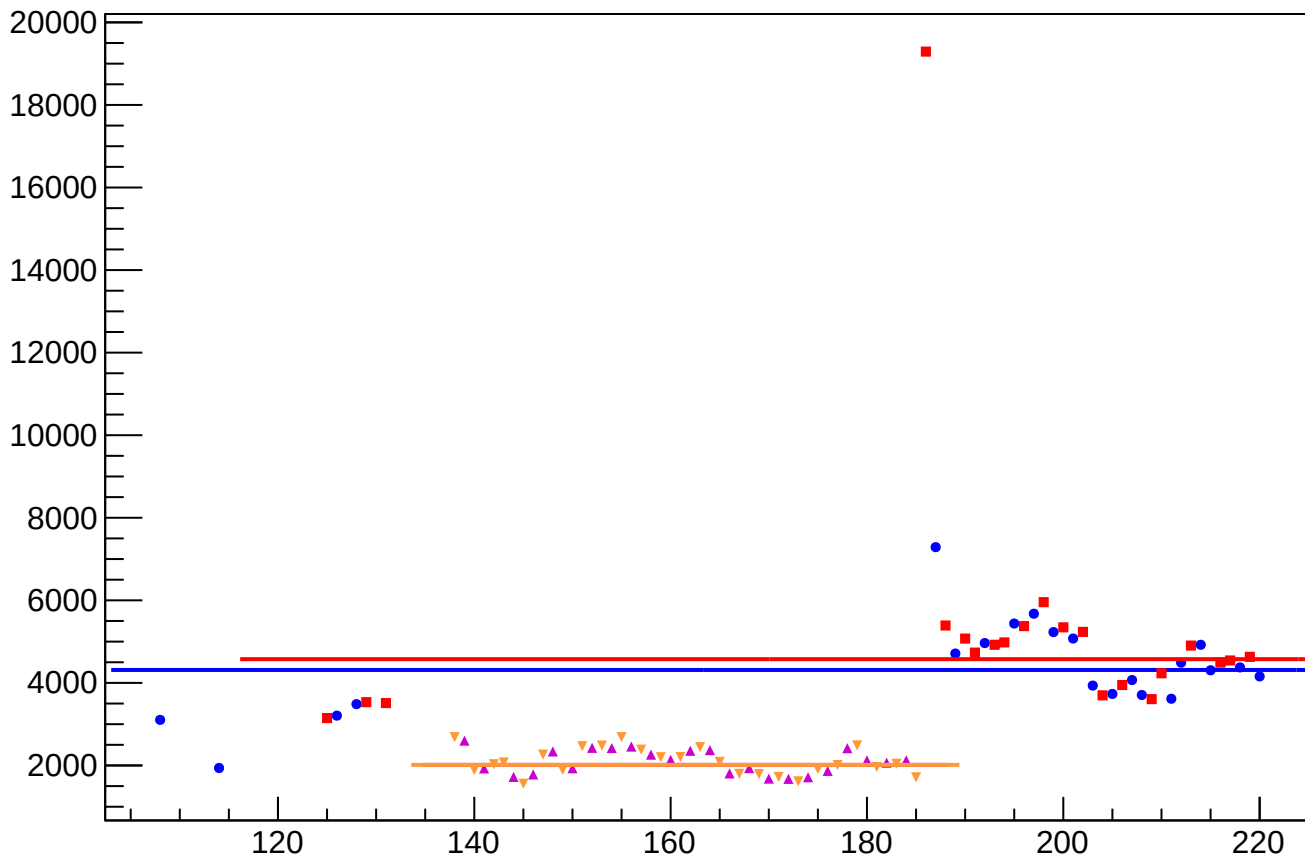
Left In: -485.590 $\pm$ 487.465 χ^2/NDF : 24.8/22

+ sign -2700.256 $\pm$ 443.677 χ^2/NDF : 77.3/45

All: -2035.052 $\pm$ 318.359 χ^2/NDF : 175.1/89

- sign -1329.065 $\pm$ 457.076 χ^2/NDF : 93.2/43

asym_sam4_correction_rms vs Slug



Right In: 4313.659+/-0.874 χ^2/NDF : 679794.0/20

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4575.015+/-0.930 χ^2/NDF : 955730.9/20

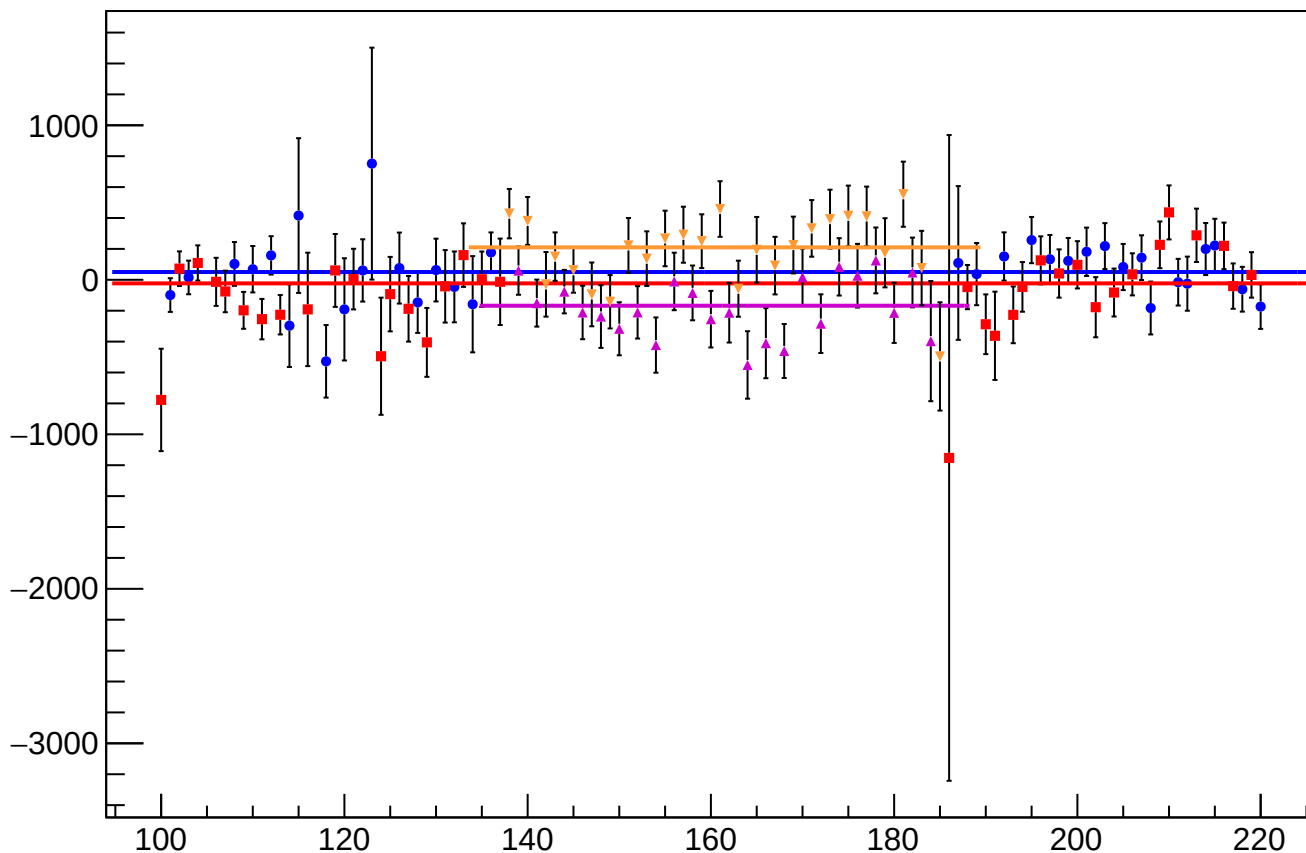
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2310.213+/-0.314 χ^2/NDF : 7542734.8/45

All: 2316.271+/-0.225 χ^2/NDF : 15833693.3/8

- sign 2322.701+/-0.323 χ^2/NDF : 8290189.8/43

reg_asym_sam5_mean vs Slug



Right In: 50.334 ± 28.735 $\chi^2/\text{NDF}: 27.4/33$

Left Out: 210.086 ± 37.093 $\chi^2/\text{NDF}: 27.5/24$

Right Out: -23.134 ± 27.666 $\chi^2/\text{NDF}: 44.7/36$

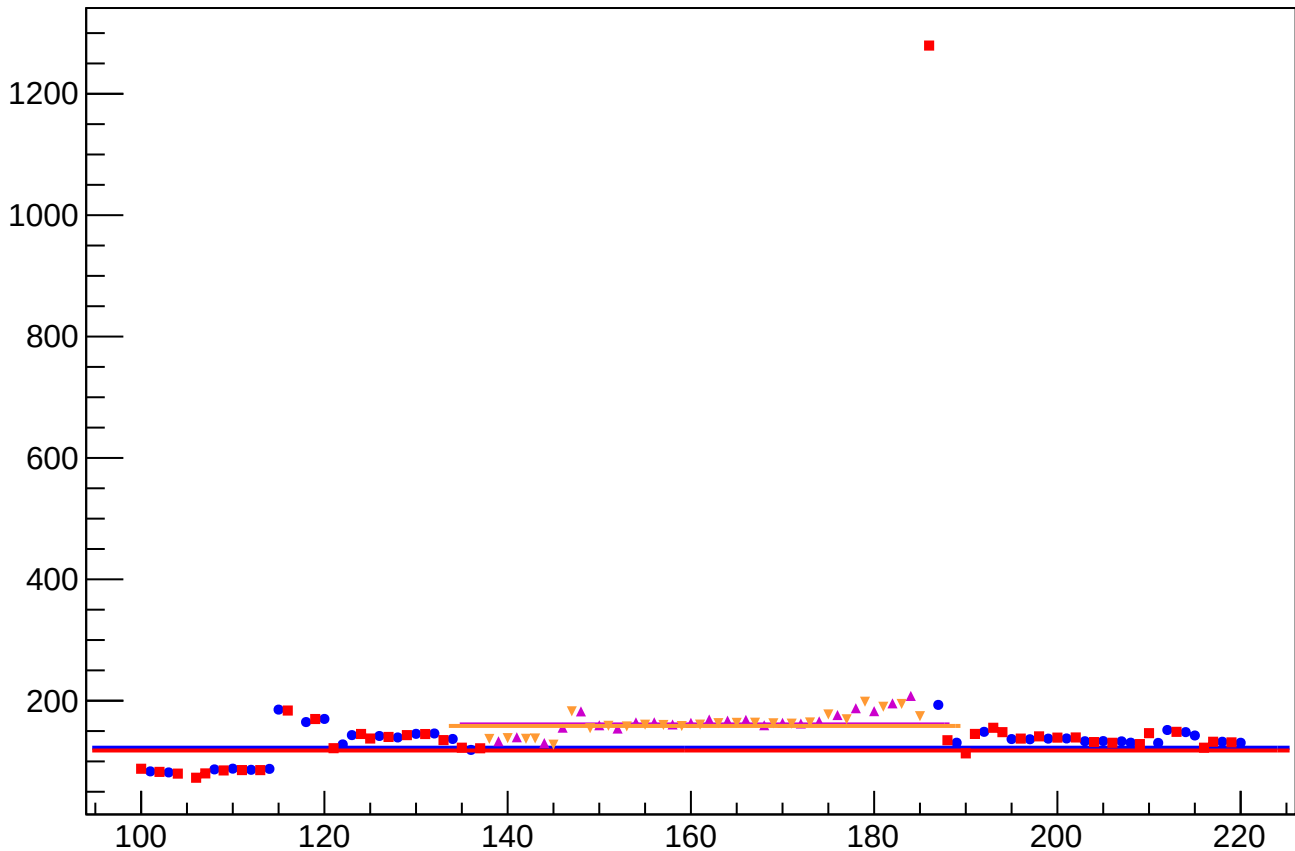
Left In: -167.822 ± 38.718 $\chi^2/\text{NDF}: 21.1/22$

+ sign 110.249 ± 22.716 $\chi^2/\text{NDF}: 66.6/58$

All: 18.272 ± 15.989 $\chi^2/\text{NDF}: 174.1/118$

- sign -72.041 ± 22.510 $\chi^2/\text{NDF}: 75.1/59$

reg_asym_sam5_rms vs Slug



Right In: 122.593 $\pm$ 0.020 χ^2 /NDF: 1555375.9/33

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 117.979 $\pm$ 0.020 χ^2 /NDF: 2595315.5/36

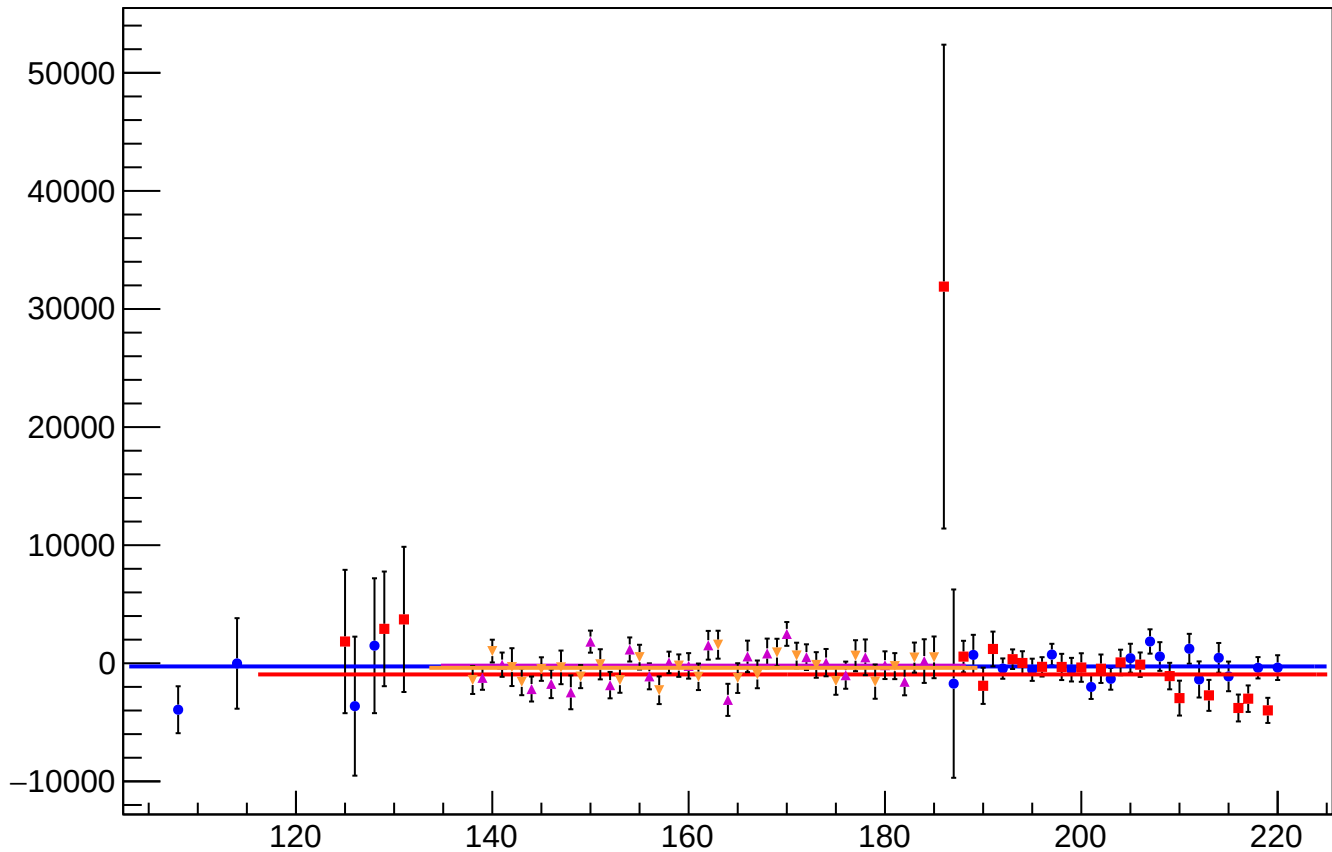
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 136.038 $\pm$ 0.016 χ^2 /NDF: 3156995.4/58

All: 134.254 $\pm$ 0.011 χ^2 /NDF: 7787064.5/118

- sign 132.503 $\pm$ 0.016 χ^2 /NDF: 4605637.5/59

asym_sam5_correction_mean vs Slug



Right In: -268.147 ± 264.335 χ^2/NDF : 17.6/20

Left Out: -385.018 ± 231.833 χ^2/NDF : 18.1/24

Right Out: -944.719 ± 269.628 χ^2/NDF : 35.5/20

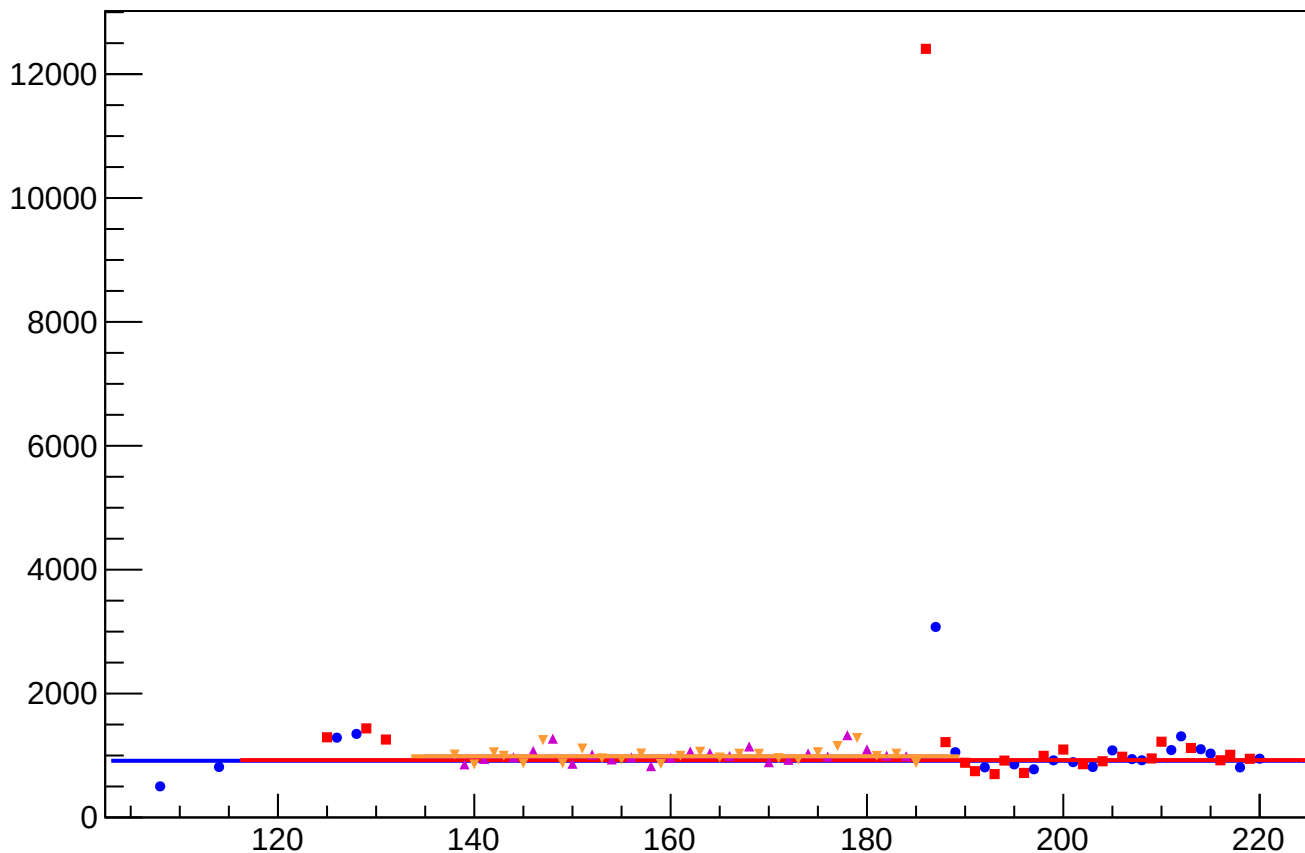
Left In: -202.234 ± 237.460 χ^2/NDF : 35.5/22

+ sign -334.206 ± 174.296 χ^2/NDF : 35.7/45

All: -428.252 ± 124.604 χ^2/NDF : 111.5/89

- sign -526.563 ± 178.203 χ^2/NDF : 75.2/43

asym_sam5_correction_rms vs Slug



Right In: 914.890 $\pm$ 0.187 χ^2 /NDF: 676491.2/20

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 926.085 $\pm$ 0.191 χ^2 /NDF: 1262507.3/20

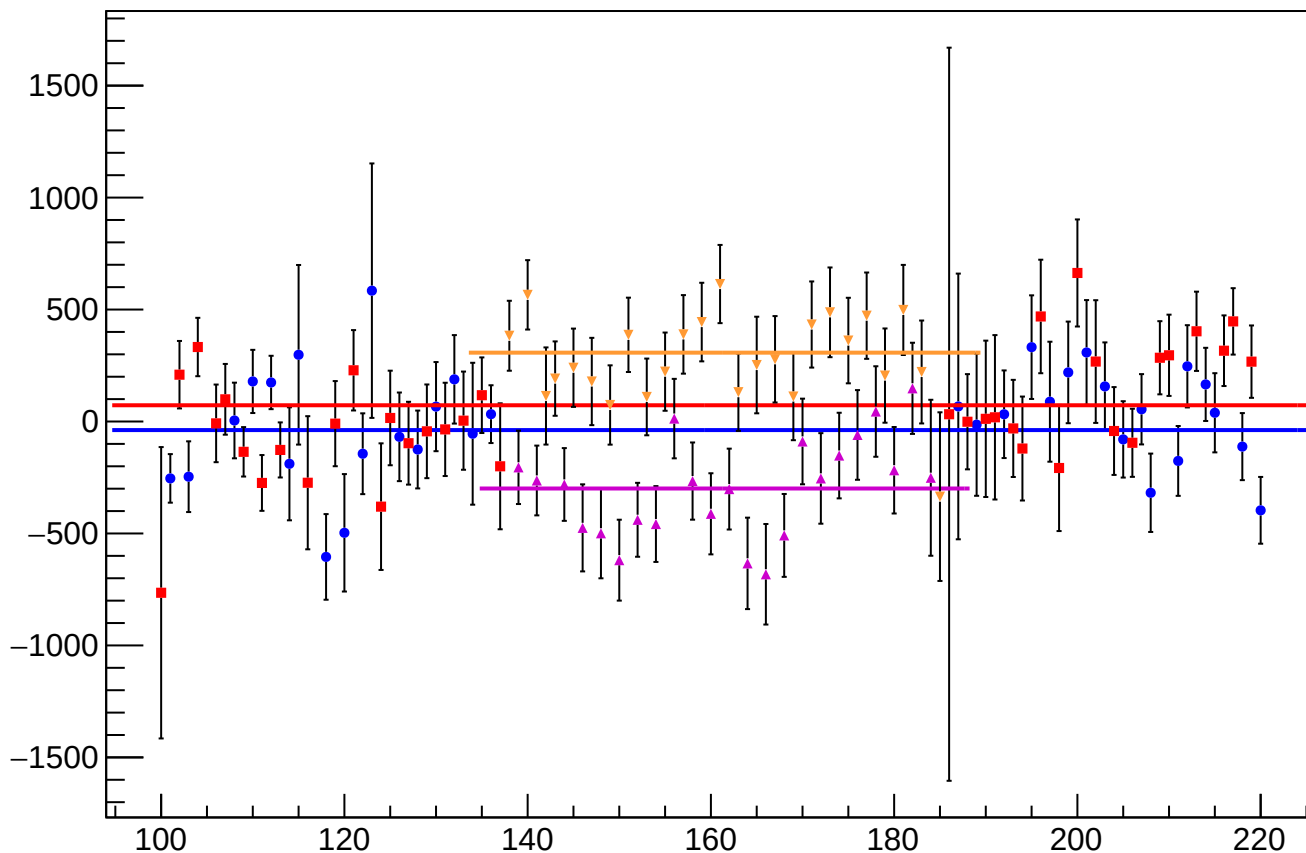
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 956.139 $\pm$ 0.123 χ^2 /NDF: 1139616.2/45

All: 957.363 $\pm$ 0.088 χ^2 /NDF: 2870366.4/89

- sign 958.642 $\pm$ 0.126 χ^2 /NDF: 1730548.7/43

reg_asym_sam6_mean vs Slug



Right In: -38.294 ± 31.152 $\chi^2/\text{NDF}: 49.3/33$

Left Out: 307.487 ± 37.278 $\chi^2/\text{NDF}: 20.7/24$

Right Out: 72.546 ± 30.575 $\chi^2/\text{NDF}: 57.7/36$

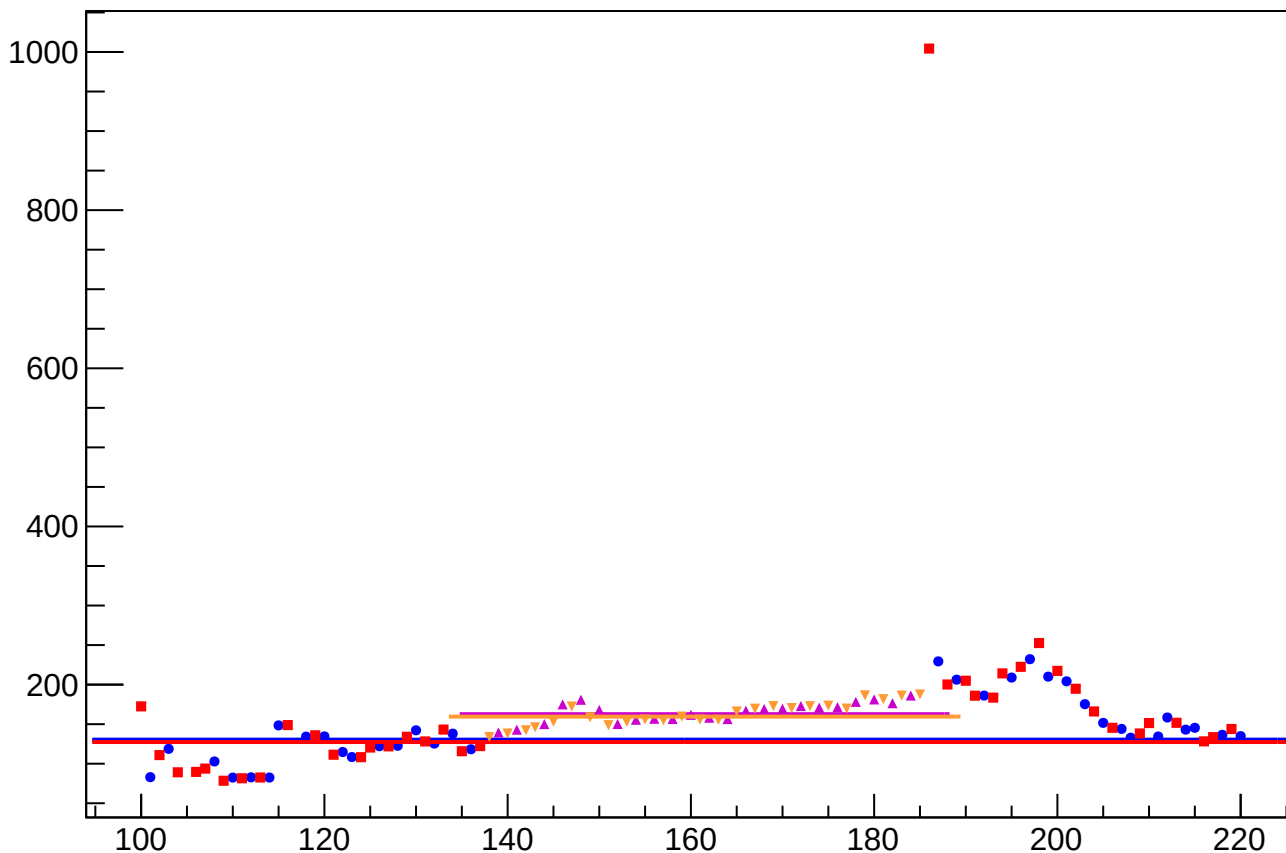
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 103.888 ± 23.904 $\chi^2/\text{NDF}: 120.6/58$

All: 18.062 ± 16.959 $\chi^2/\text{NDF}: 289.1/118$

- sign -68.916 ± 24.064 $\chi^2/\text{NDF}: 142.5/59$

reg_asym_sam6_rms vs Slug



Right In: 130.412+/-0.022 χ^2/NDF : 2654924.2/33

Left Out: 159.568+/-0.026 χ^2/NDF :287744.2/24

+ sign 142.401+/-0.017 χ^2/NDF : 3663094.6/58

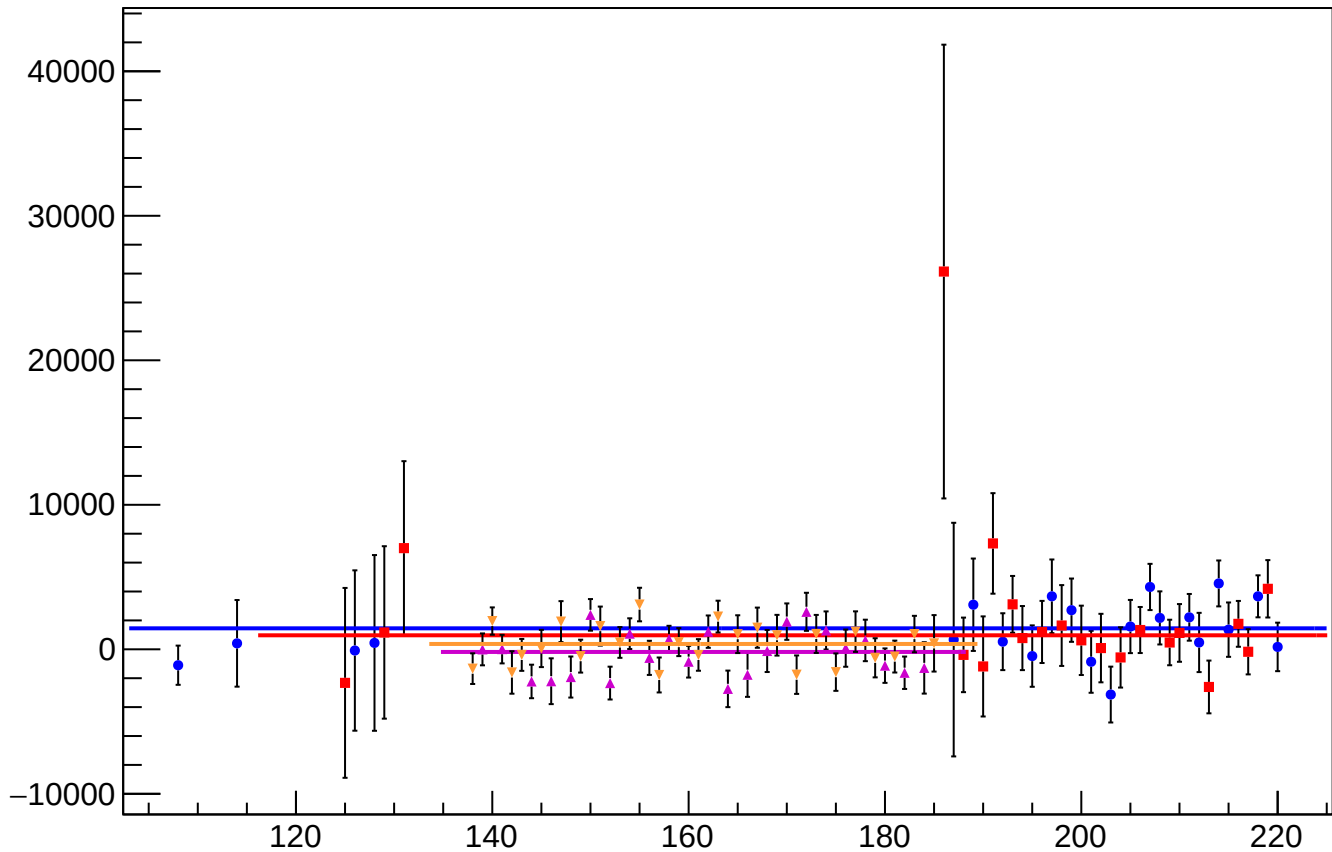
Right Out: 127.418+/-0.022 χ^2/NDF : 4051453.9/36

All: 141.610 ± 0.012 $\chi^2/\text{NDF}: 8926625.7/118$

- sign 140.809+/-0.017 χ^2/NDF : 5259125.0/59

Left In: 162.606+/-0.028 χ^2 /NDF:199542.3/22

asym_sam6_correction_mean vs Slug



Right In: 1451.931+/-435.791 χ^2/NDF : 23.5/20

Left Out: 370.001+/-243.521 χ^2/NDF : 30.5/24

Right Out: 969.380+/-488.274 χ^2/NDF : 17.2/20

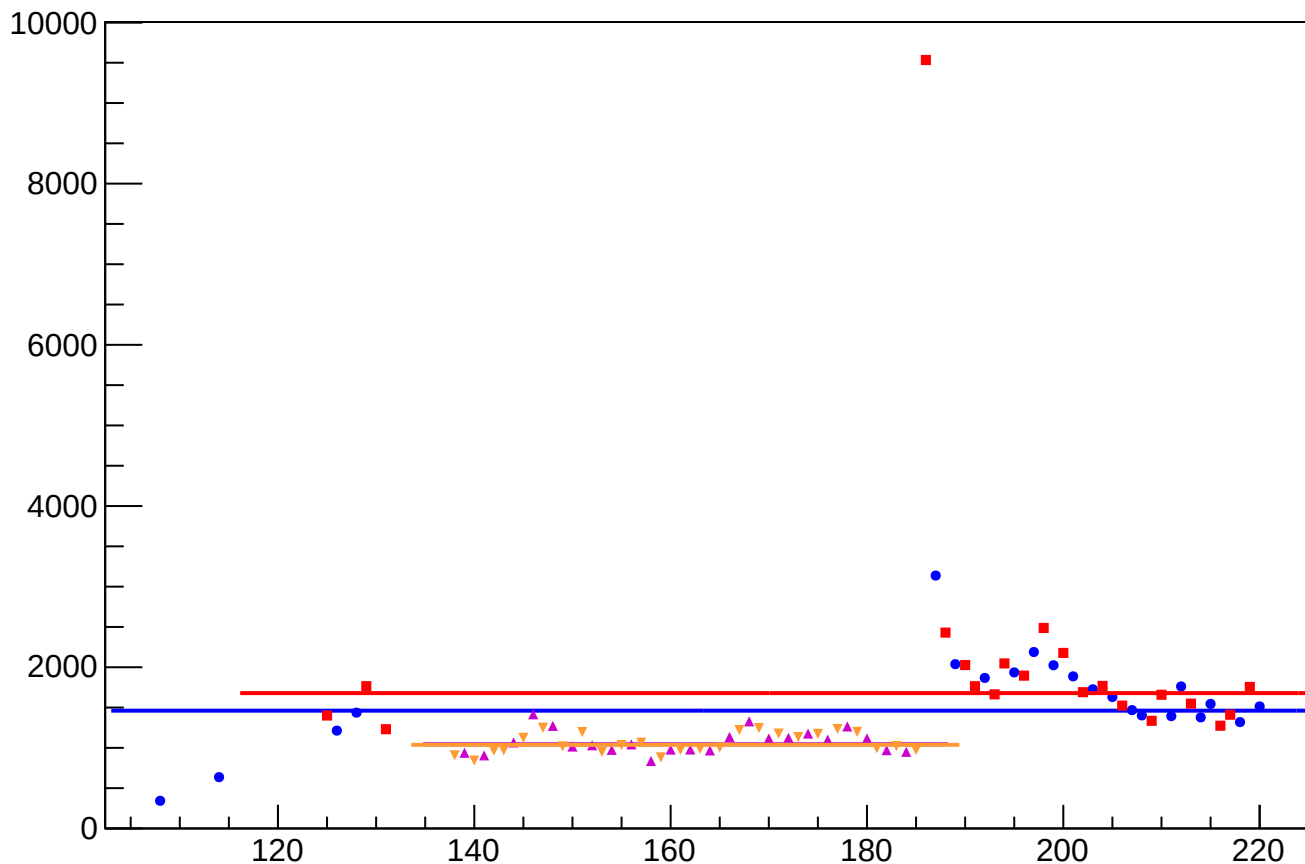
Left In: -183.107+/-252.258 χ^2/NDF : 36.5/22

+ sign 627.452+/-212.582 χ^2/NDF : 58.7/45

All: 358.559+/-154.234 χ^2/NDF : 120.1/89

- sign 59.696+/-224.116 χ^2/NDF : 58.1/43

asym_sam6_correction_rms vs Slug



Right In: 1461.391+/-0.308 χ^2/NDF : 2358658.7/20

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1679.216+/-0.345 χ^2/NDF : 1355470.1/20

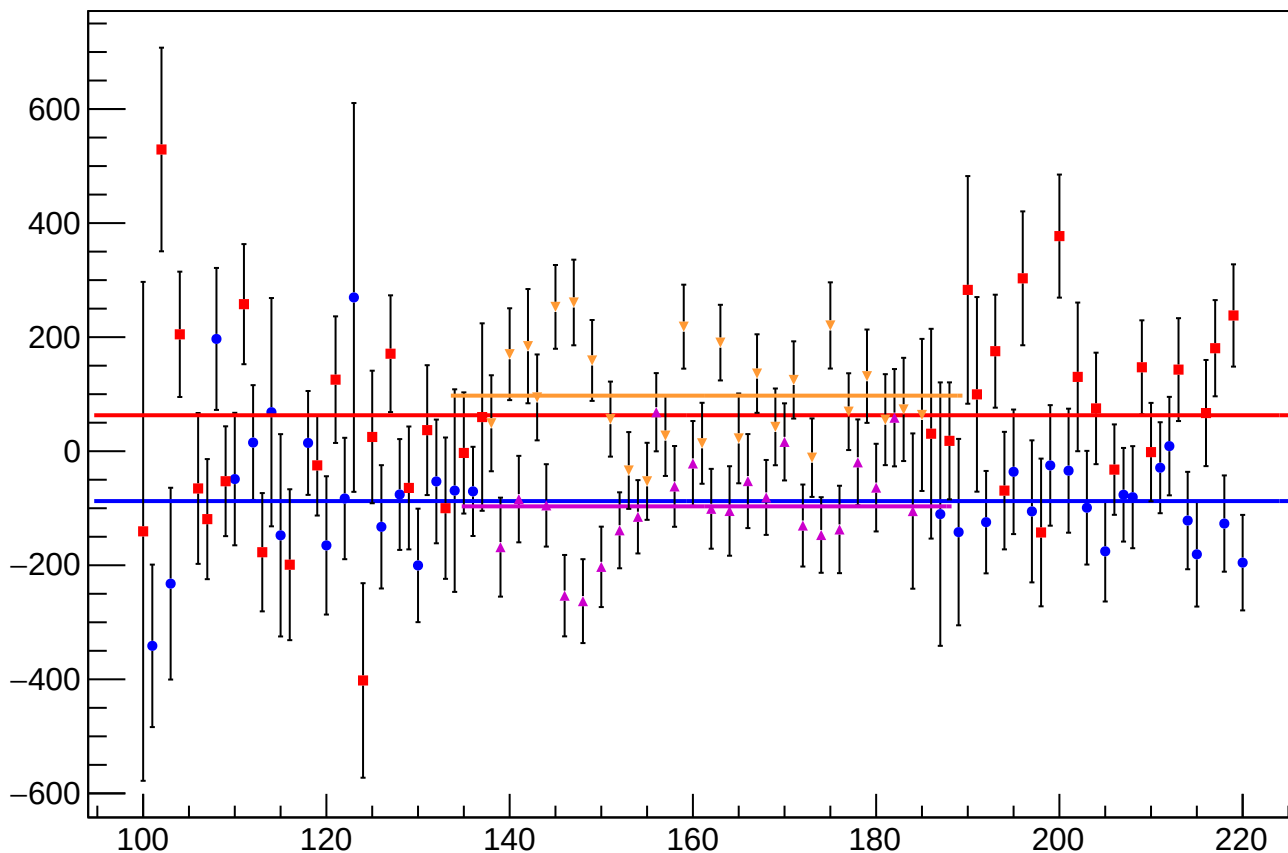
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1138.511+/-0.150 χ^2/NDF : 4294344.1/45

All: 1157.410+/-0.109 χ^2/NDF : 8892012.1/89

- sign 1178.414+/-0.158 χ^2/NDF : 4564294.3/43

reg_asym_sam7_mean vs Slug



Right In: -87.452 ± 18.040 $\chi^2/\text{NDF}: 22.4/33$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 63.055 ± 17.993 $\chi^2/\text{NDF}: 69.8/36$

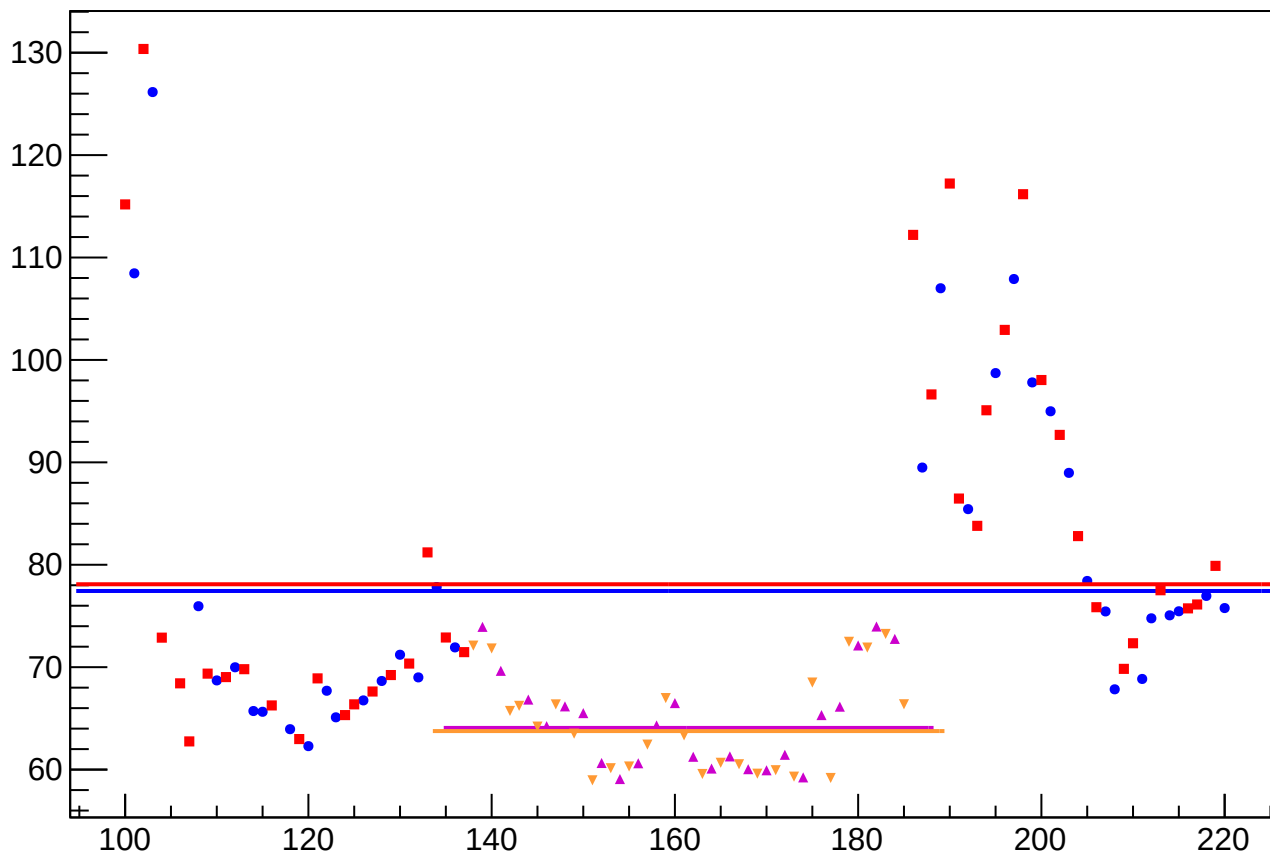
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 22.585 ± 11.479 $\chi^2/\text{NDF}: 120.9/58$

All: -2.898 ± 8.189 $\chi^2/\text{NDF}: 275.6/118$

- sign -29.309 ± 11.686 $\chi^2/\text{NDF}: 144.6/59$

reg_asym_sam7_rms vs Slug



Right In: 77.440 $\pm$ 0.013 χ^2 /NDF: 949448.7/33

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF:192803.8/24

Right Out: 78.097 $\pm$ 0.013 χ^2 /NDF: 1132015.8/36

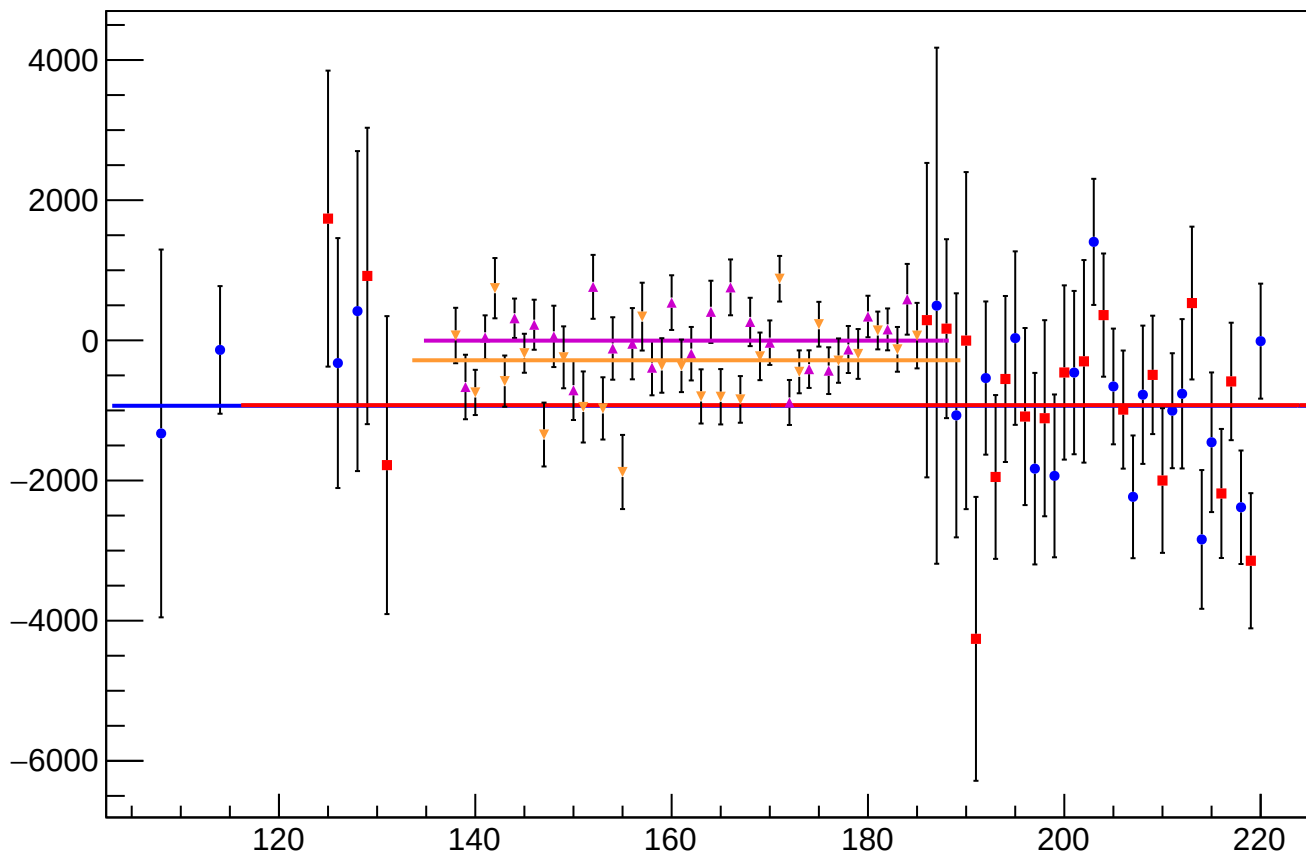
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF:164660.4/22

+ sign 69.299 $\pm$ 0.008 χ^2 /NDF: 1826534.8/58

All: 69.637 $\pm$ 0.006 χ^2 /NDF: 3829598.9/118

- sign 69.986 $\pm$ 0.008 χ^2 /NDF: 1999545.0/59

asym_sam7_correction_mean vs Slug



Right In: -933.525 $\pm$ 234.386 χ^2/NDF : 21.1/20

Left Out: -284.304 $\pm$ 72.732 χ^2/NDF : 55.1/24

Right Out: -924.648 $\pm$ 256.758 χ^2/NDF : 20.2/20

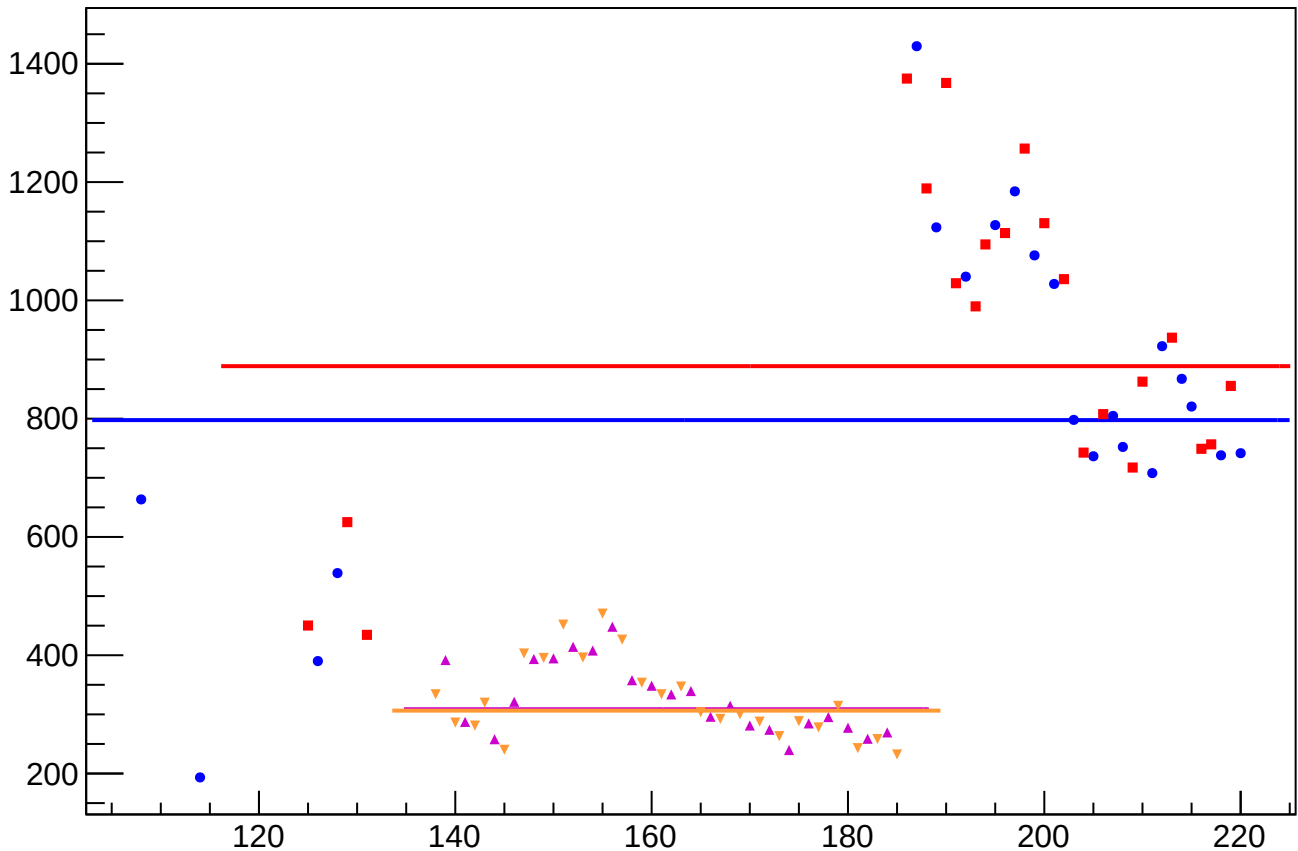
Left In: -4.037 $\pm$ 75.084 χ^2/NDF : 32.4/22

+ sign -341.328 $\pm$ 69.465 χ^2/NDF : 83.1/45

All: -213.810 $\pm$ 50.013 χ^2/NDF : 154.5/89

- sign -76.562 $\pm$ 72.066 χ^2/NDF : 64.4/43

asym_sam7_correction_rms vs Slug



Right In: 797.561+/-0.166 χ^2/NDF : 1836242.2/20

Left Out: 306.363+/-0.051 χ^2/NDF :1215669.9/24

Right Out: 888.774+/-0.182 χ^2/NDF : 1135476.4/20

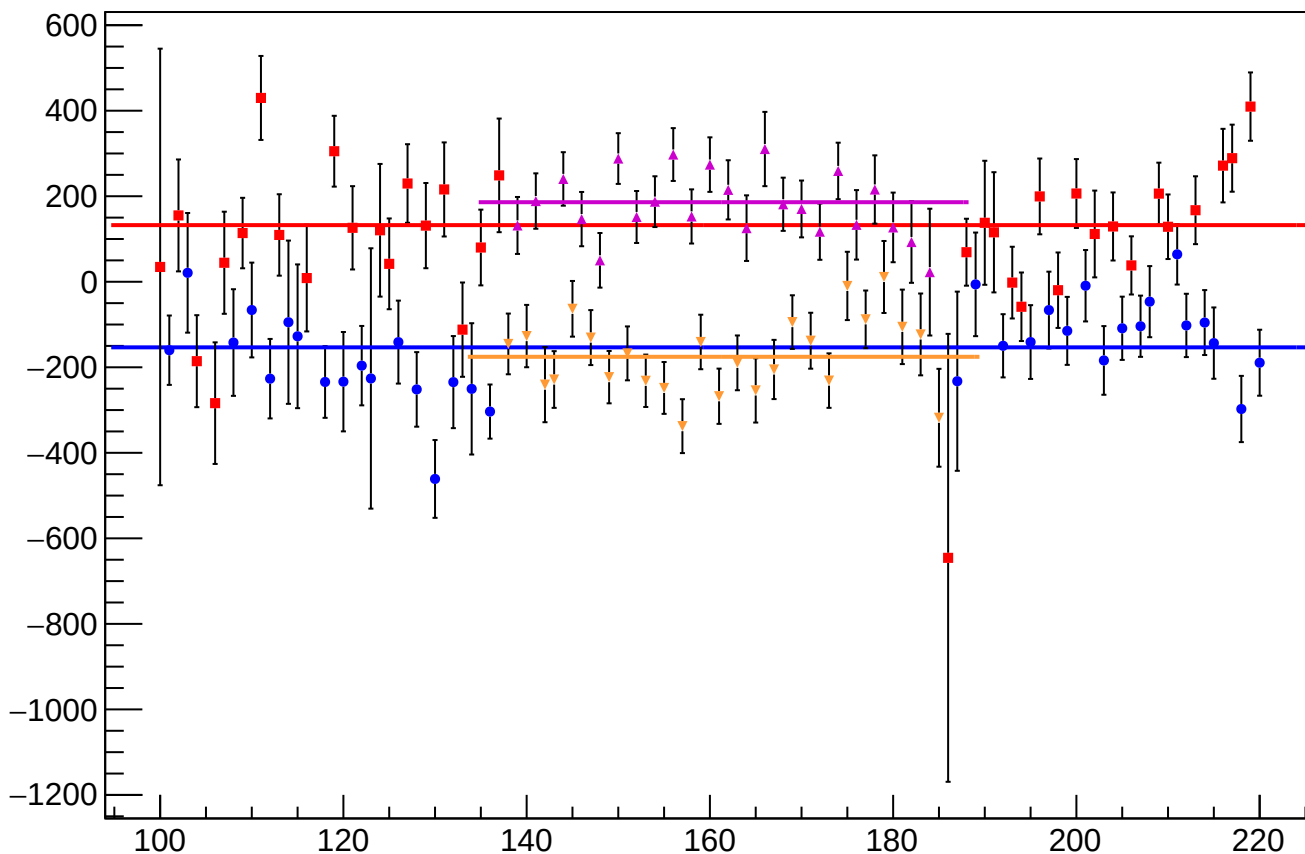
Left In: 308.727+/-0.053 χ^2/NDF :1002947.4/22

+ sign 349.507+/-0.049 χ^2/NDF : 11064113.1/45

All: 351.874+/-0.035 χ^2/NDF : 22610531.1/89

- sign 354.423+/-0.051 χ^2/NDF : 11541594.4/43

reg_asym_sam8_mean vs Slug



Right In: -153.373+/-15.516 χ^2/NDF : 46.6/33

Left Out: -175.471+/-13.846 χ^2/NDF : 34.6/24

Right Out: 132.439+/-15.679 χ^2/NDF : 78.4/36

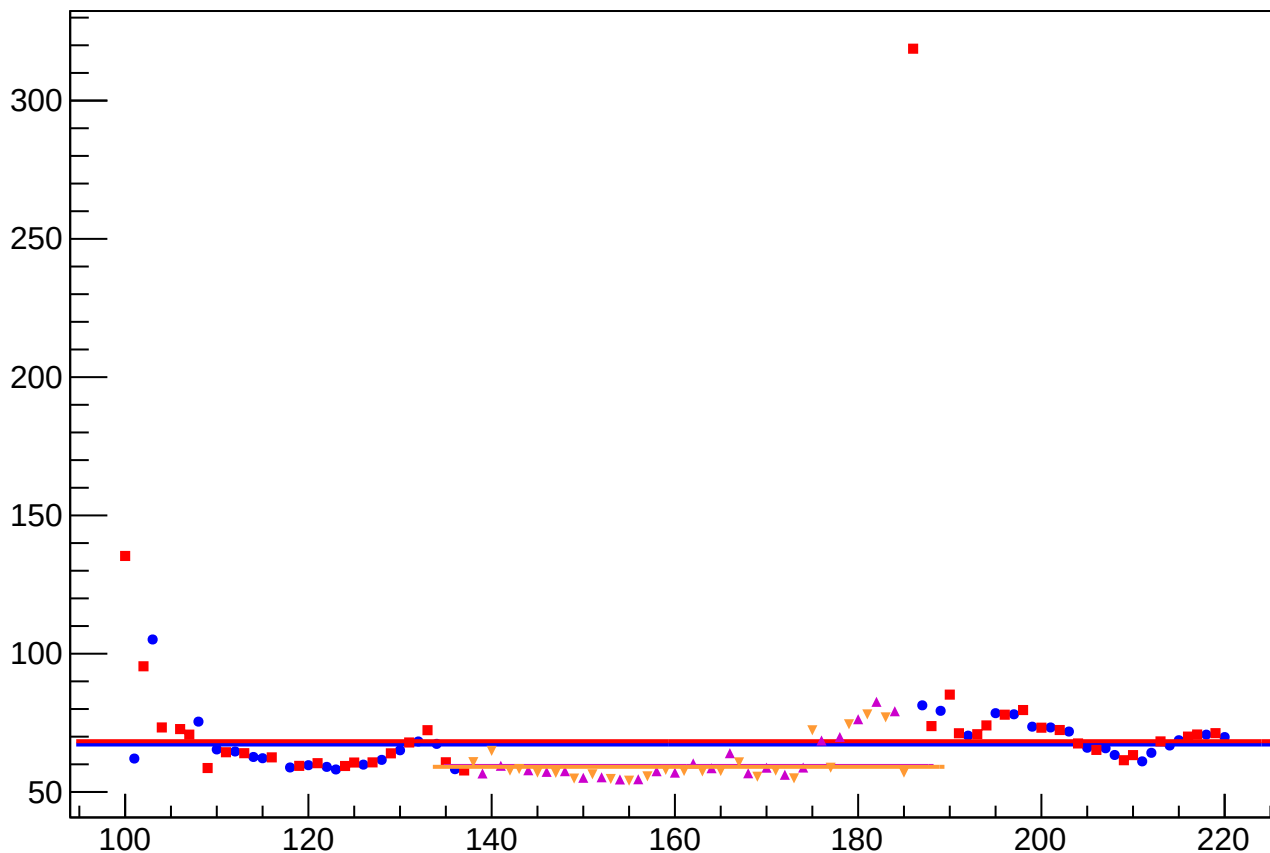
Left In: 186.047+/-14.315 χ^2/NDF : 23.6/22

+ sign -165.675+/-10.331 χ^2/NDF : 82.4/58

All: -5.778+/-7.389 χ^2/NDF : 681.1/118

- sign 161.676+/-10.572 χ^2/NDF : 108.3/59

reg_asym_sam8_rms vs Slug



Right In: 67.159 ± 0.011 χ^2/NDF : 433056.2/33

Left Out: 59.099 ± 0.010 χ^2/NDF : 369788.6/24

Right Out: 68.360 ± 0.011 χ^2/NDF : 878334.5/36

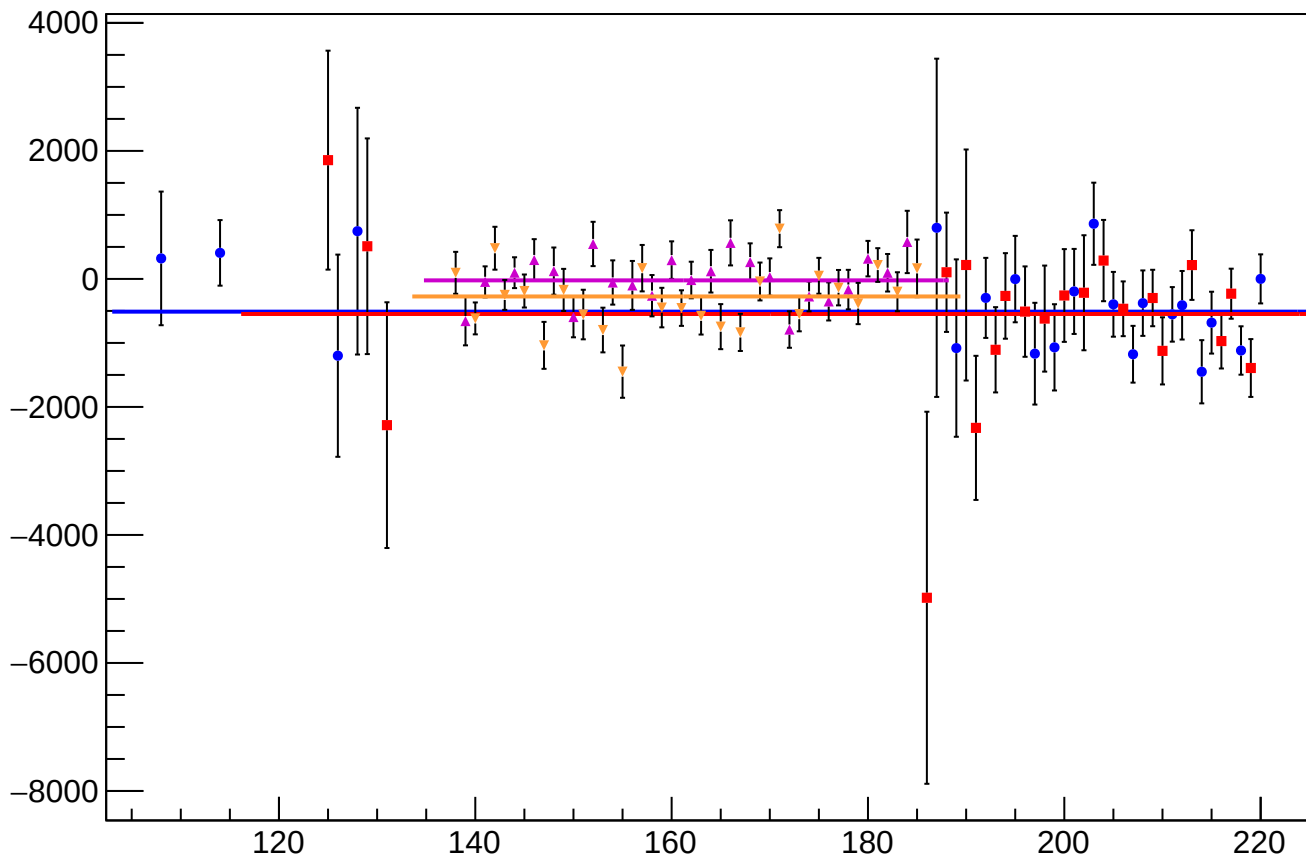
Left In: 59.410 ± 0.010 χ^2/NDF : 373052.7/22

+ sign 62.672 ± 0.007 χ^2/NDF : 1103271.5/58

All: 63.066 ± 0.005 χ^2/NDF : 2715980.7/118

- sign 63.479 ± 0.007 χ^2/NDF : 1606751.1/59

asym_sam8_correction_mean vs Slug



Right In: -511.331 ± 125.707 χ^2/NDF : 22.3/20

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -547.830 ± 139.455 χ^2/NDF : 20.3/20

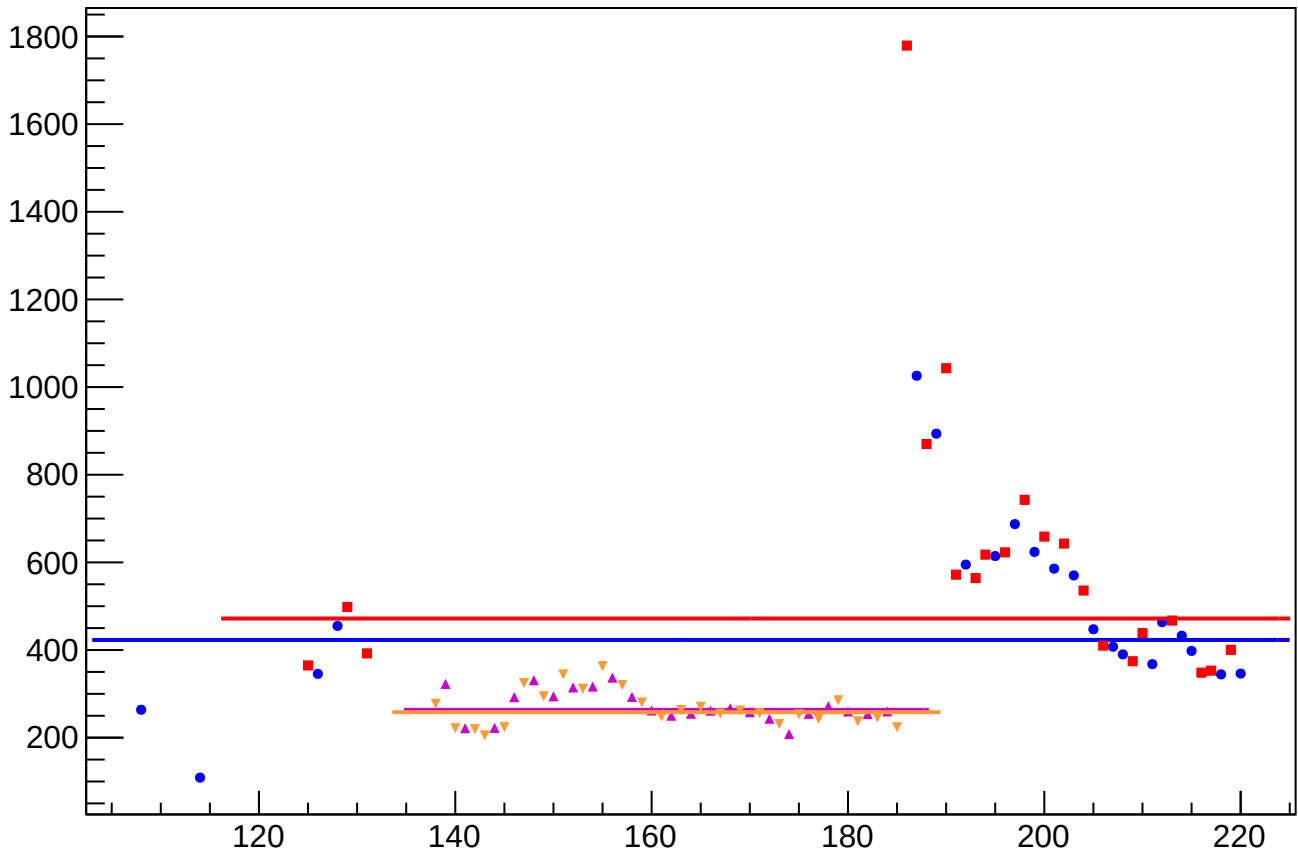
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -319.066 ± 54.734 χ^2/NDF : 79.0/45

All: -221.895 ± 39.774 χ^2/NDF : 146.6/89

- sign -113.160 ± 57.899 χ^2/NDF : 60.9/43

asym_sam8_correction_rms vs Slug



Right In: 423.004 $\pm$ 0.089 χ^2 /NDF: 2308418.6/20

Left Out: 258.040 $\pm$ 0.043 χ^2 /NDF: 724823.3/24

Right Out: 471.871 $\pm$ 0.099 χ^2 /NDF: 2211284.5/20

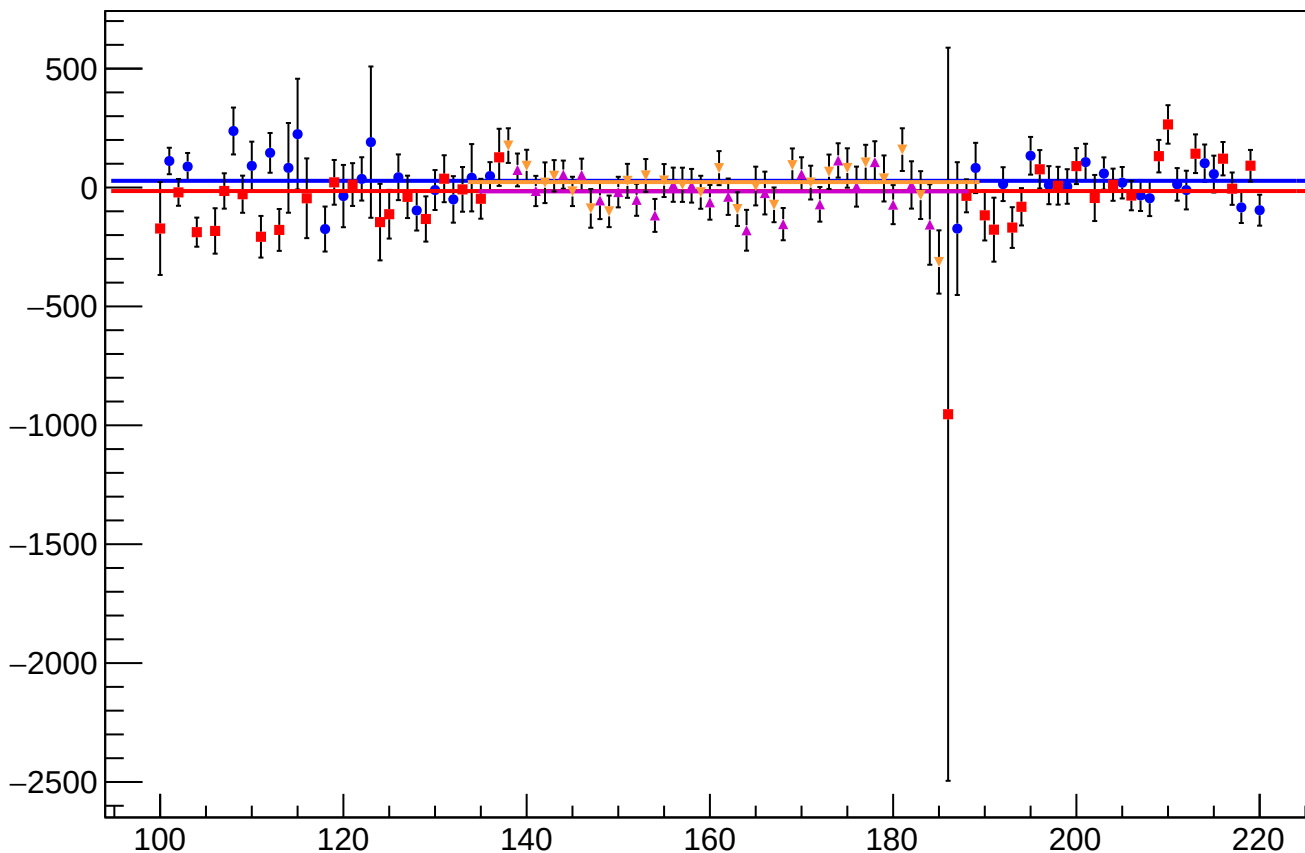
Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

+ sign 289.314 $\pm$ 0.039 χ^2 /NDF: 5824493.8/45

All: 294.041 $\pm$ 0.028 χ^2 /NDF: 12352119.2/89

- sign 299.332 $\pm$ 0.041 χ^2 /NDF: 6496005.7/43

reg_asym_sam_15_avg_mean vs Slug



Right In: 28.175 ± 13.944 χ^2/NDF : 32.9/33

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -14.870 ± 13.764 χ^2/NDF : 62.3/36

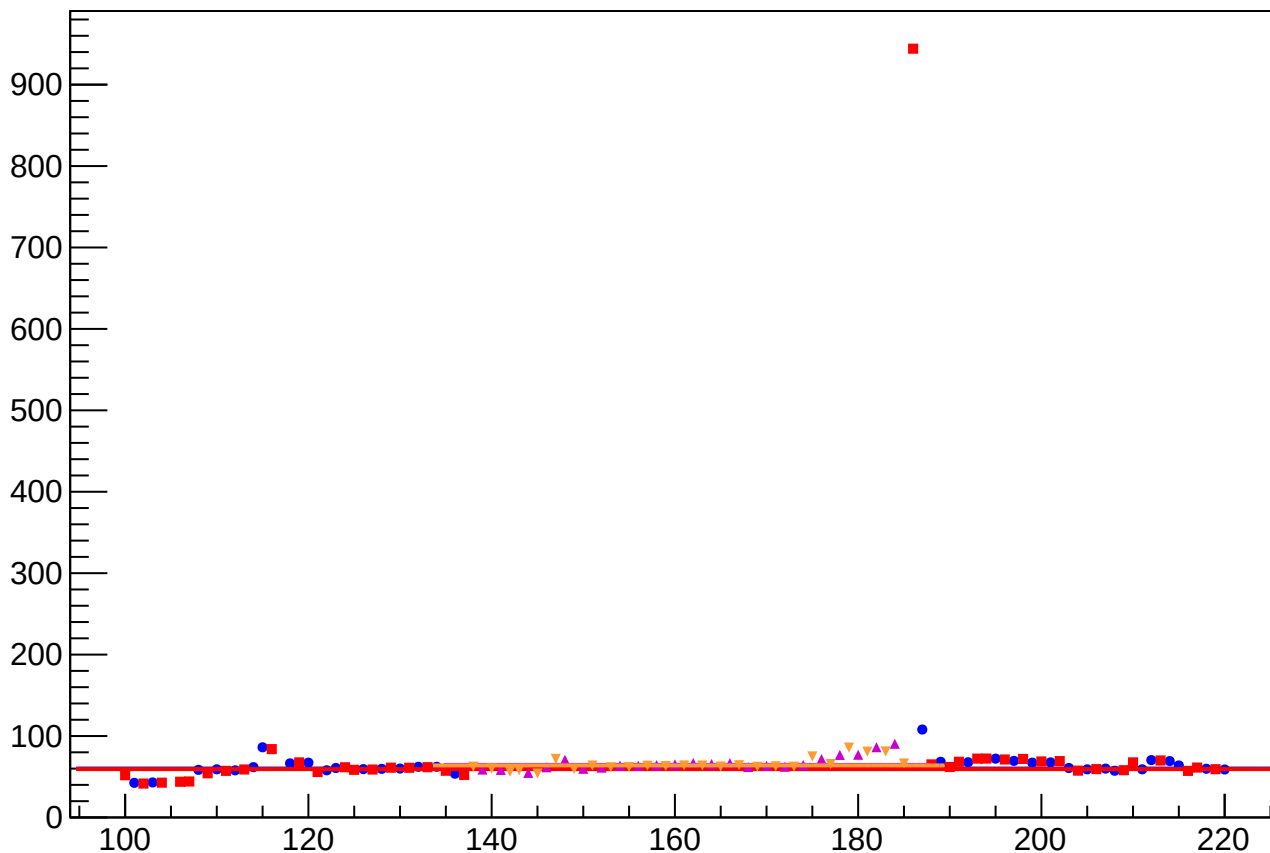
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 25.711 ± 10.202 χ^2/NDF : 62.0/58

All: 5.326 ± 7.249 χ^2/NDF : 155.7/118

- sign -15.454 ± 10.301 χ^2/NDF : 85.7/59

reg asym sam 15 avg rms vs Slug



Right In: 60.033+/-0.010 χ^2/NDF : 723429.6/33

Left Out: 63.920+/-0.011 χ^2/NDF :395410.4/24

+ sign 61.839 $\pm$ 0.007 χ^2 /NDF: 1191054.3/58

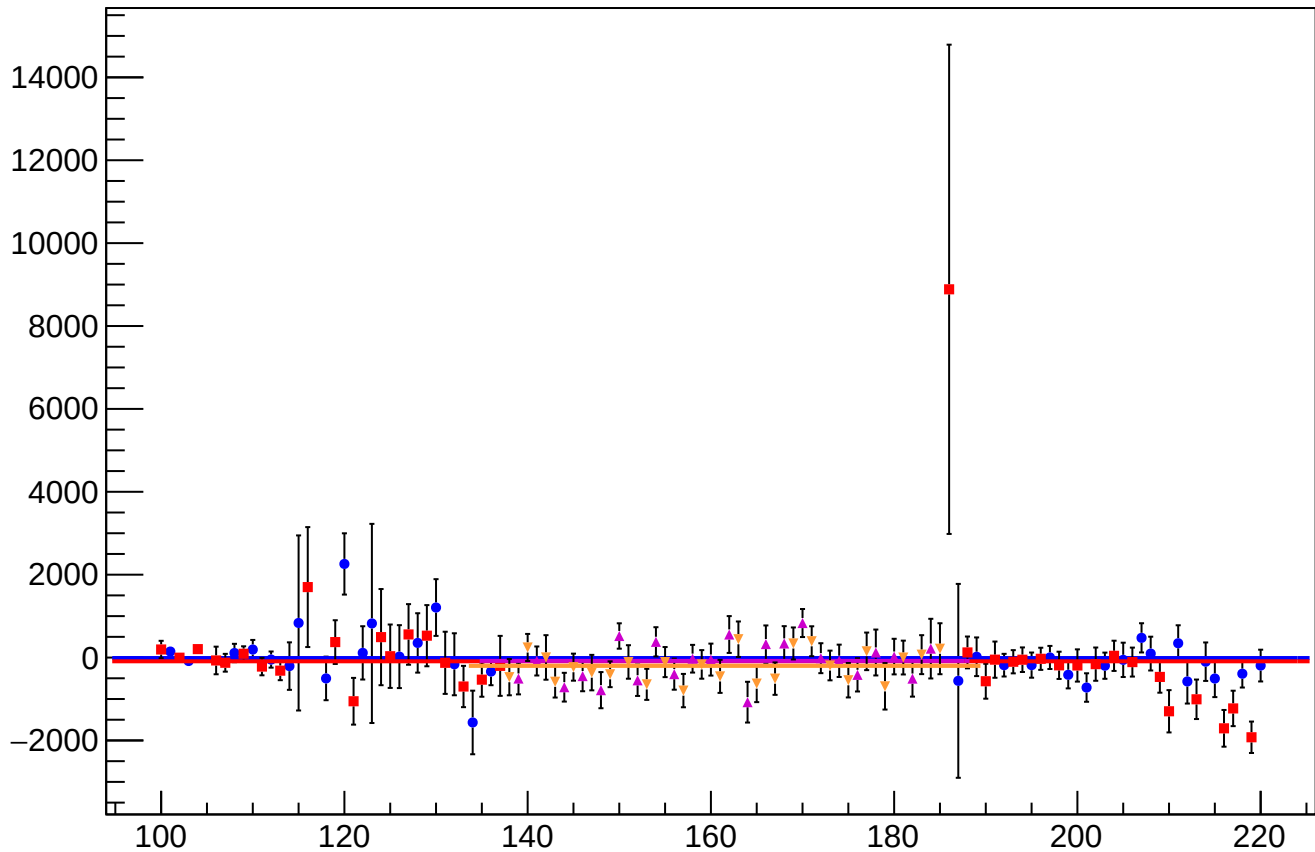
Right Out: 59.380+/-0.010 χ^2/NDF : 1556402.0/36

All: 61.739+/-0.005 χ^2/NDF : 3240606.6/118

- sign 61.637 $\pm$ 0.007 χ^2 /NDF: 2049165.5/59

Left In: 64.511+/-0.011 χ^2/NDF :370515.2/22

asym_sam_15_avg_correction_mean vs Slug



Right In: -11.218 ± 44.722 χ^2/NDF : 38.3/33

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -90.157 ± 45.717 χ^2/NDF : 81.6/36

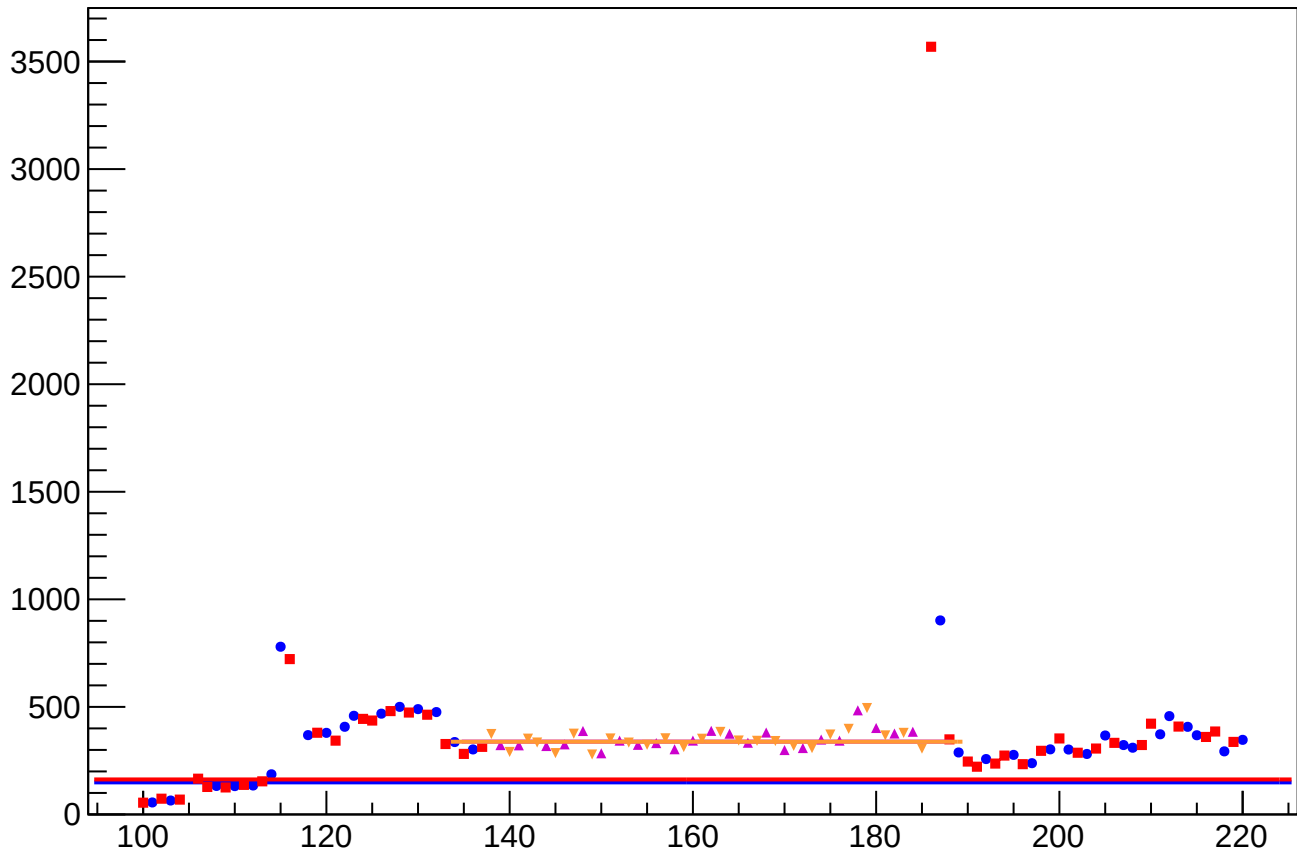
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -56.815 ± 38.983 χ^2/NDF : 62.3/58

All: -71.914 ± 27.886 χ^2/NDF : 177.5/118

- sign -87.735 ± 39.905 χ^2/NDF : 115.0/59

asym_sam_15_avg_correction_rms vs Slug



Right In: 149.137+/-0.032 χ^2/NDF : 14847404.9/33

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 162.772+/-0.032 χ^2/NDF : 13155676.8/36

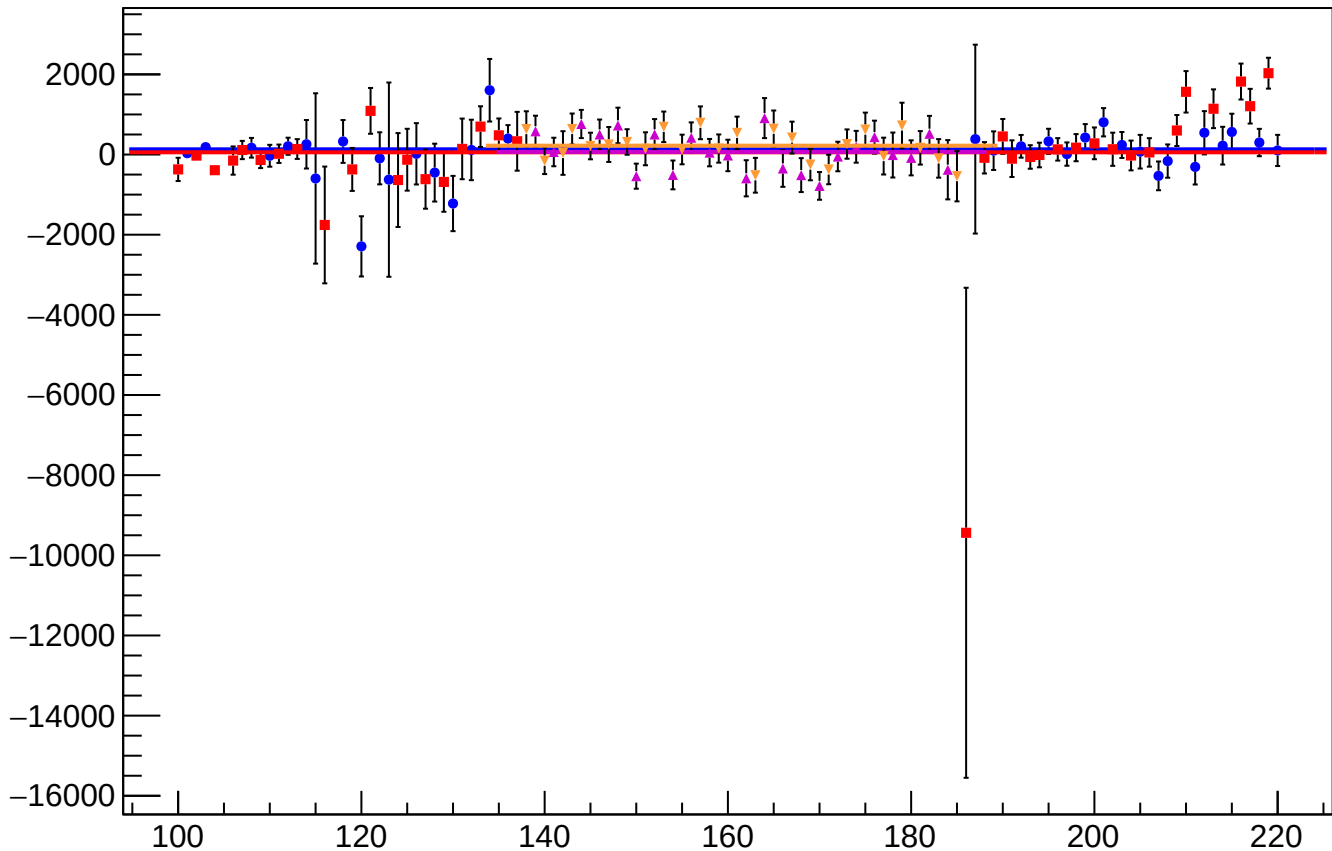
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 194.525+/-0.028 χ^2/NDF : 23923848.9/58

All: 199.458+/-0.020 χ^2/NDF : 44623160.8/11

- sign 204.627+/-0.028 χ^2/NDF : 20633722.8/59

asym_sam_15_avg_mean vs Slug



Right In: 130.447 ± 52.117 χ^2/NDF : 33.1/33

Left Out: 221.083 ± 81.018 χ^2/NDF : 19.7/24

Right Out: 55.581 ± 50.687 χ^2/NDF : 96.9/36

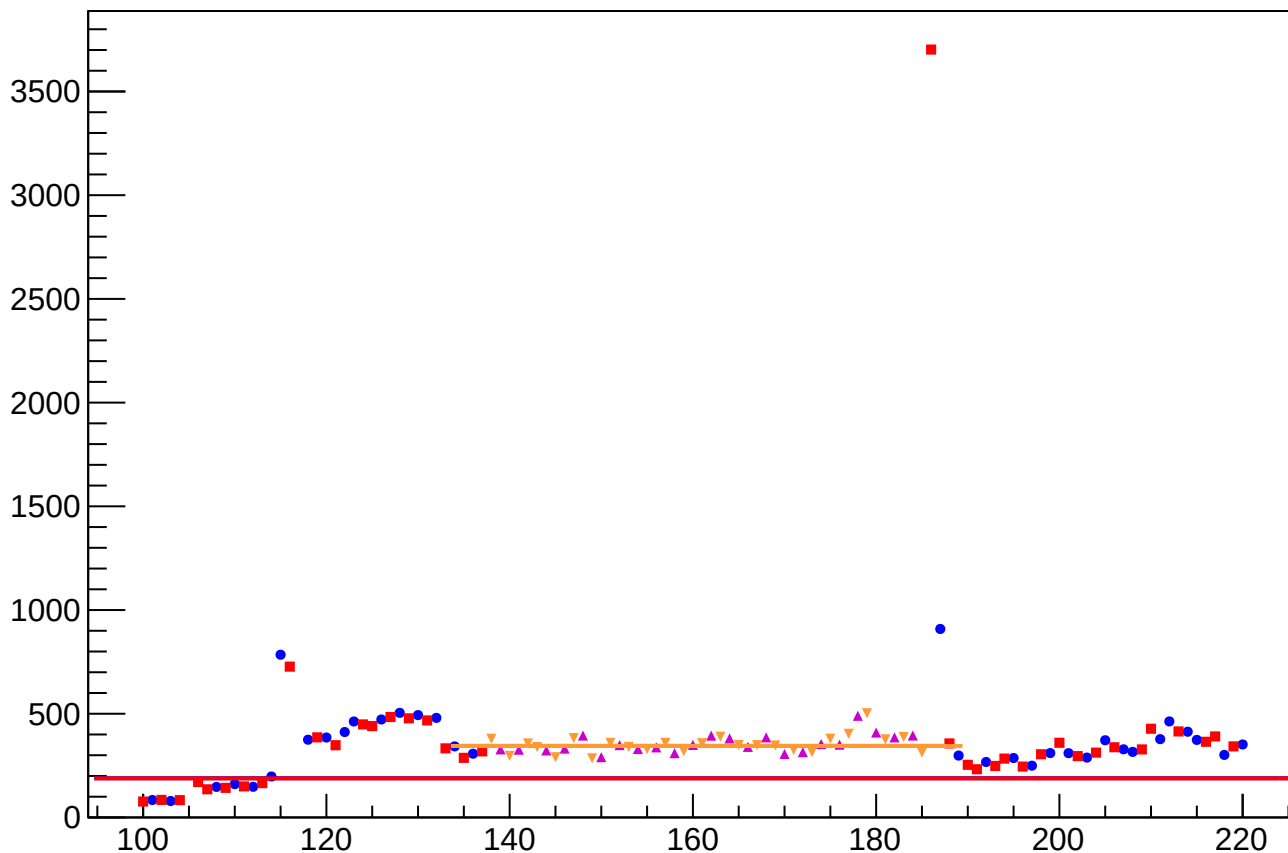
Left In: 65.510 ± 83.319 χ^2/NDF : 34.0/22

+ sign 156.975 ± 43.832 χ^2/NDF : 53.6/58

All: 107.021 ± 30.805 χ^2/NDF : 187.1/118

- sign 58.263 ± 43.304 χ^2/NDF : 130.9/59

asym_sam_15_avg_rms vs Slug



Right In: 189.180+/-0.037 χ^2/NDF : 11052775.9/33

Left Out: 344.506+/-0.057 χ^2/NDF : 488323.4/24

Right Out: 188.315+/-0.036 χ^2/NDF : 10953564.8/36

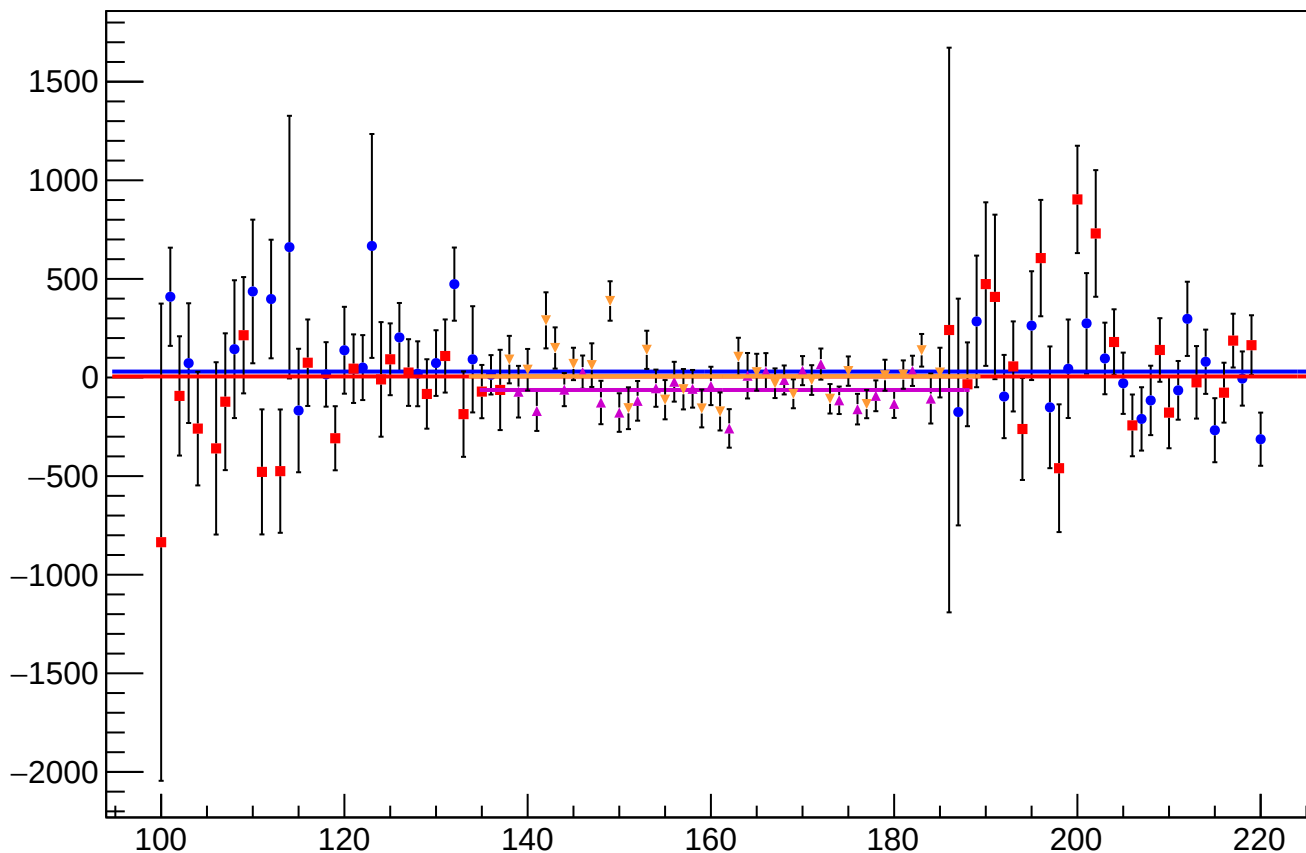
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 234.642+/-0.031 χ^2/NDF : 16740594.2/58

All: 232.622+/-0.022 χ^2/NDF : 33294899.0/11

- sign 230.650+/-0.031 χ^2/NDF : 16545907.8/59

reg_asym_sam_26_avg_mean vs Slug



Right In: 30.114 $\pm$ 33.290 χ^2 /NDF: 33.5/33

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF:46.0/24

Right Out: 5.298 $\pm$ 34.752 χ^2 /NDF: 47.4/36

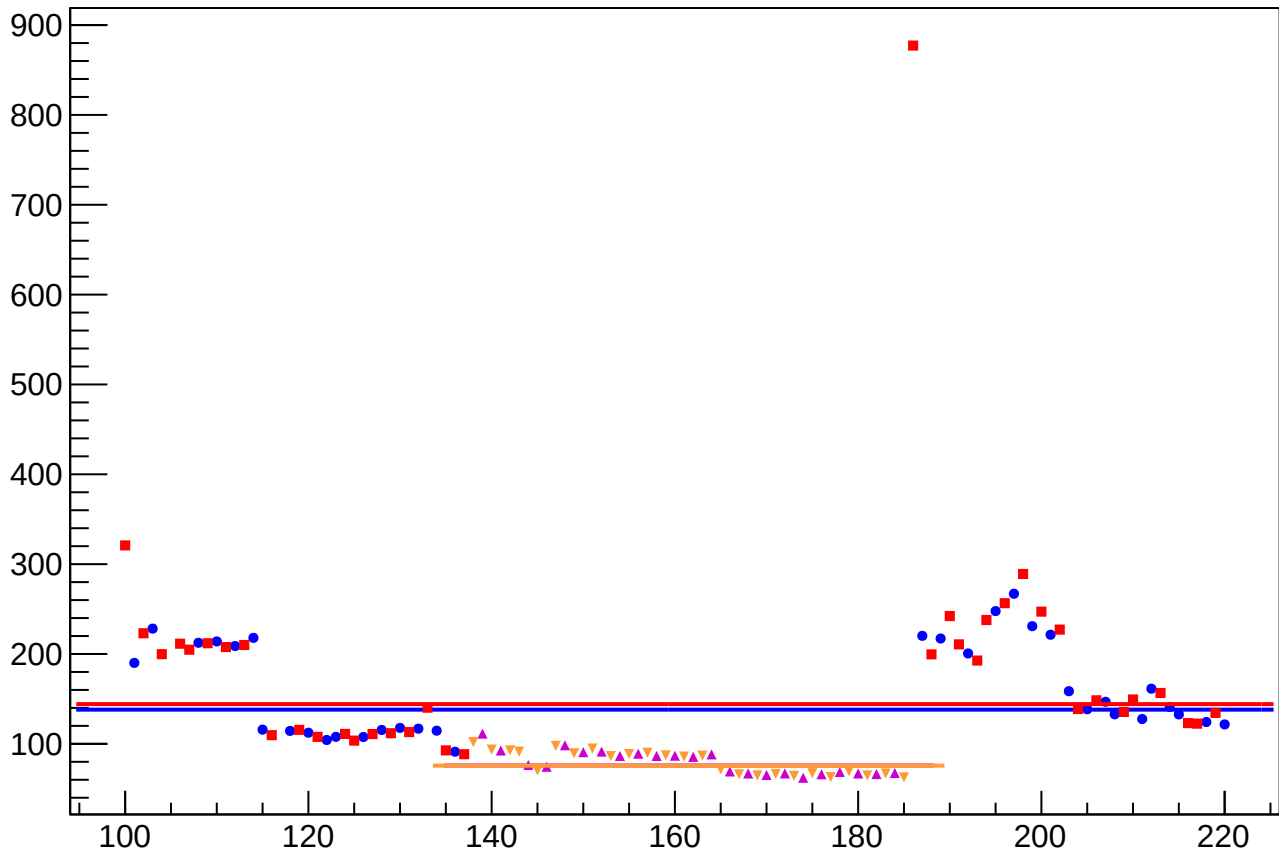
Left In: -63.279 $\pm$ 18.447 χ^2 /NDF:19.8/22

+ sign 11.428 $\pm$ 15.772 χ^2 /NDF: 79.9/58

All: -17.419 $\pm$ 11.332 χ^2 /NDF: 157.2/118

- sign -48.205 $\pm$ 16.293 χ^2 /NDF: 70.3/59

reg_asym_sam_26_avg_rms vs Slug



Right In: 138.044+/-0.024 χ^2/NDF : 2971554.2/33

Left Out: 75.743+/-0.013 χ^2/NDF : 937821.8/24

Right Out: 144.191+/-0.025 χ^2/NDF : 4006391.1/36

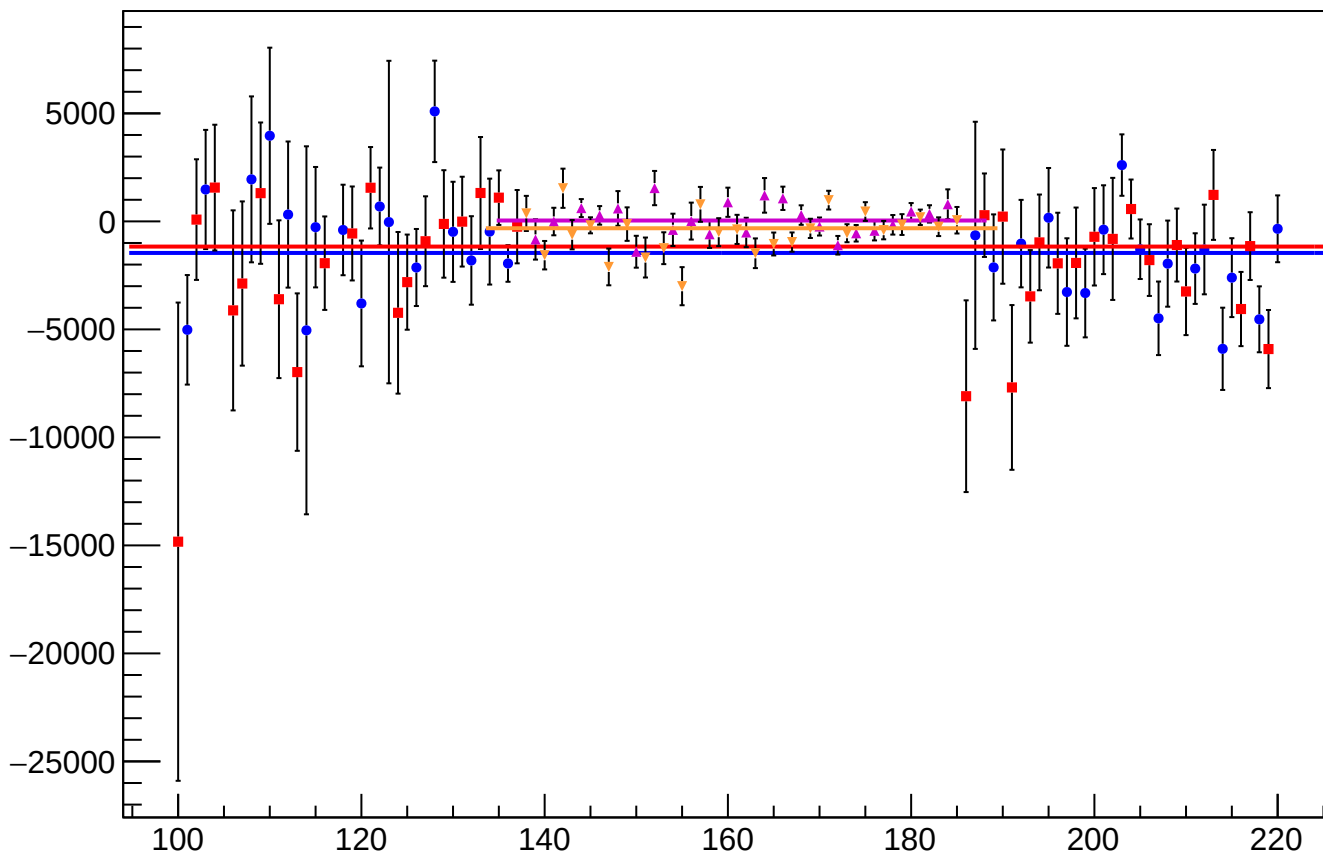
Left In: 75.909+/-0.013 χ^2/NDF : 831366.4/22

+ sign 89.727+/-0.011 χ^2/NDF : 9341692.6/58

All: 90.304+/-0.008 χ^2/NDF : 2020855.9/118

- sign 90.919+/-0.012 χ^2/NDF : 10861638.7/59

asym_sam_26_avg_correction_mean vs Slug



Right In: -1460.907 ± 338.838 χ^2/NDF : 41.6/33

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -1166.496 ± 360.600 χ^2/NDF : 36.6/36

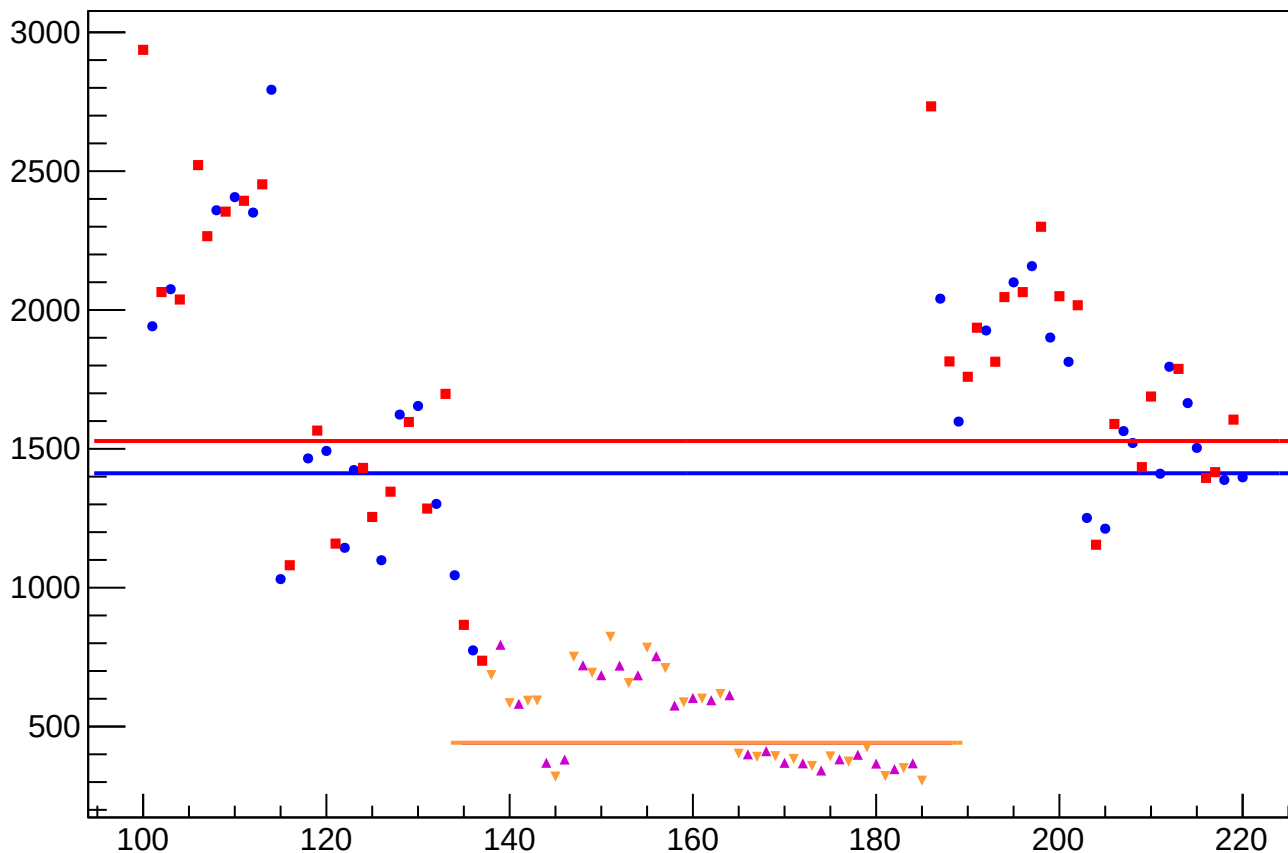
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -423.485 ± 102.911 χ^2/NDF : 101.9/58

All: -247.466 ± 73.645 χ^2/NDF : 189.5/118

- sign -62.711 ± 105.434 χ^2/NDF : 81.6/59

asym_sam_26_avg_correction_rms vs Slug



Right In: 1412.068 $\pm$ 0.240 χ^2 /NDF: 2930856.0/33

Left Out: 441.685 $\pm$ 0.076 χ^2 /NDF: 3169140.9/24

Right Out: 1528.315 $\pm$ 0.255 χ^2 /NDF: 2986445.0/36

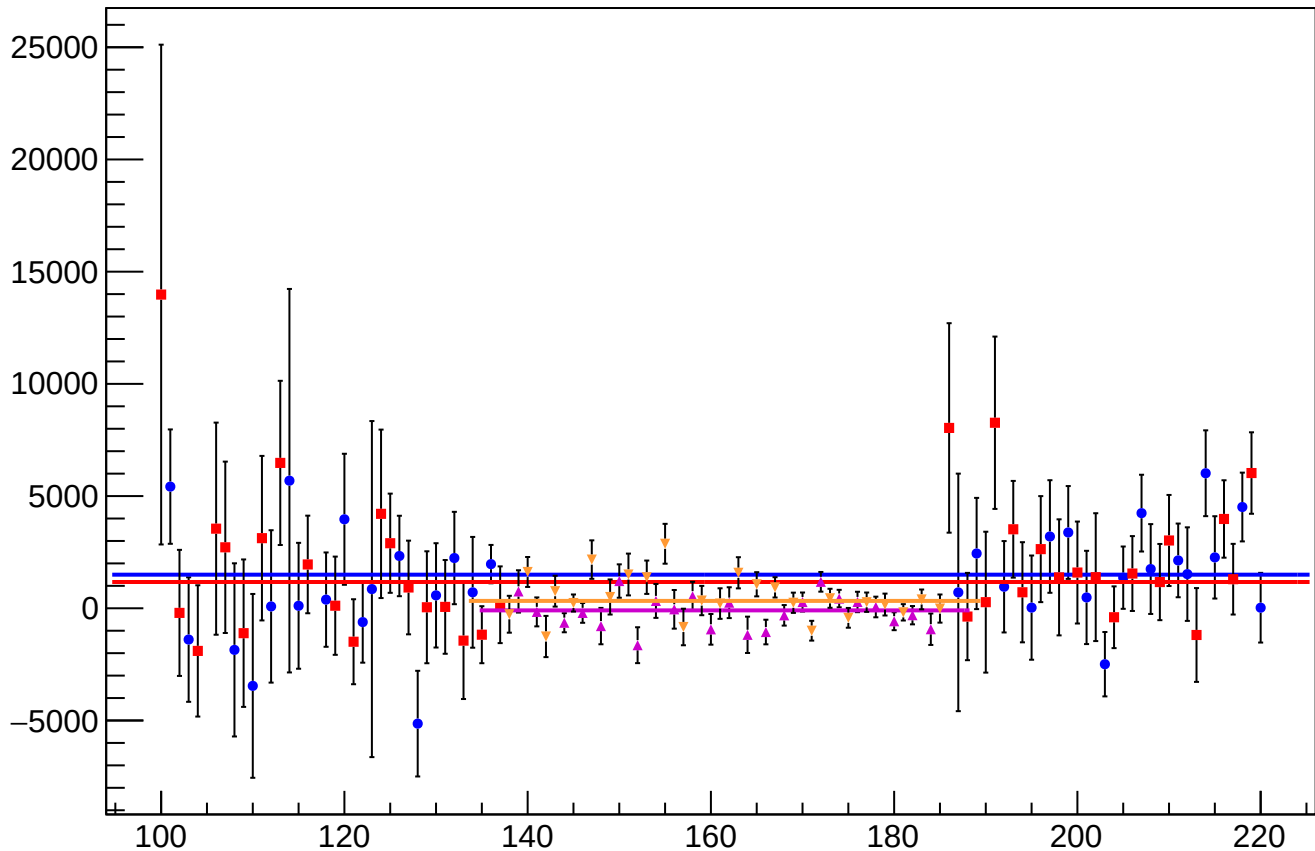
Left In: 441.009 $\pm$ 0.078 χ^2 /NDF: 2597018.1/22

+ sign 531.197 $\pm$ 0.073 χ^2 /NDF: 20990210.7/58

All: 532.546 $\pm$ 0.052 χ^2 /NDF: 43203615.3/11

- sign 533.962 $\pm$ 0.075 χ^2 /NDF: 22212700.3/59

asym_sam_26_avg_mean vs Slug



Right In: 1497.541 $\pm$ 340.824 χ^2 /NDF: 40.7/33

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF: 47.7/24

Right Out: 1171.440 $\pm$ 362.713 χ^2 /NDF: 36.1/36

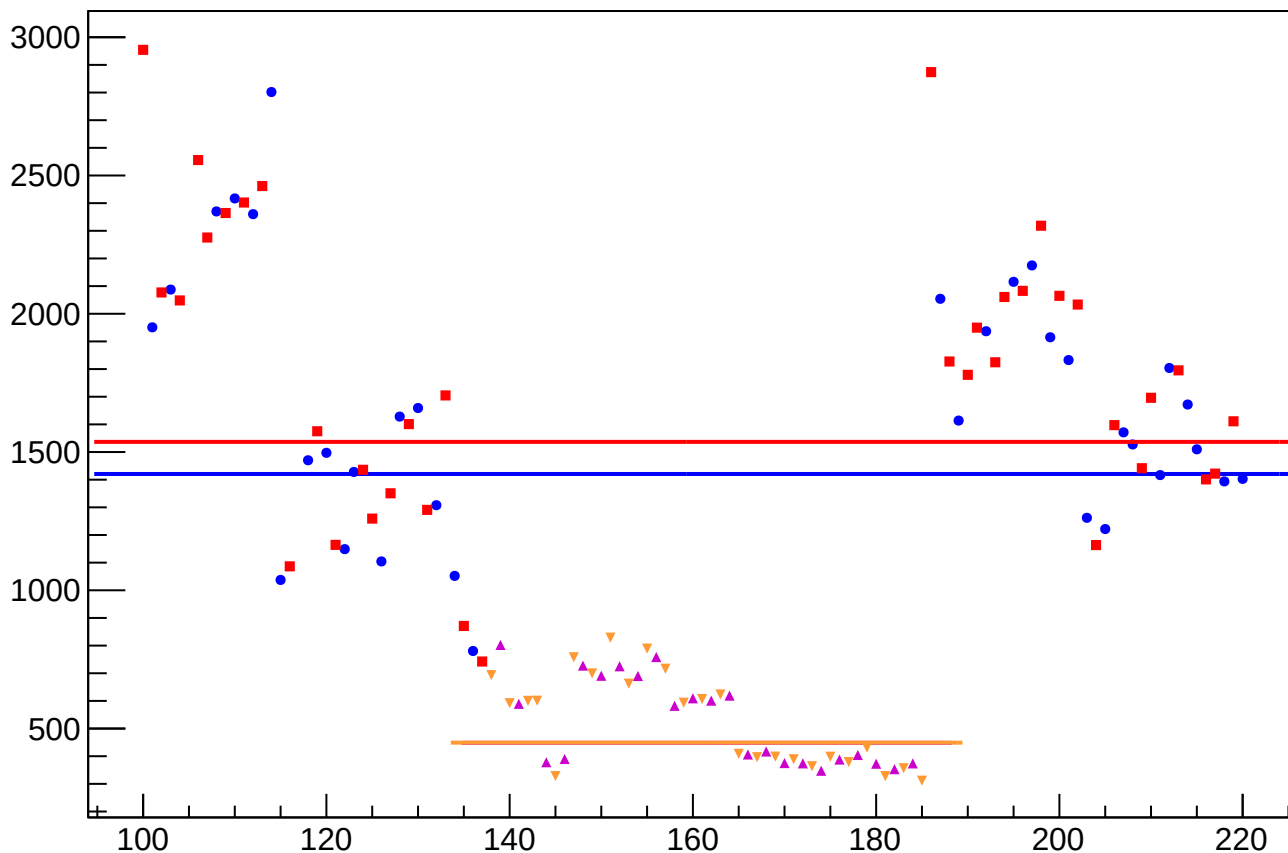
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 438.273 $\pm$ 104.397 χ^2 /NDF: 99.1/58

All: 232.642 $\pm$ 74.716 χ^2 /NDF: 187.6/118

- sign 16.711 $\pm$ 106.979 χ^2 /NDF: 80.5/59

asym_sam_26_avg_rms vs Slug



Right In: 1420.604 $\pm$ 0.241 χ^2/NDF : 2919481.7/33

Left Out: 449.016 $\pm$ 0.078 χ^2/NDF : 3090476.2/24

Right Out: 1536.690 $\pm$ 0.256 χ^2/NDF : 3006118.4/36

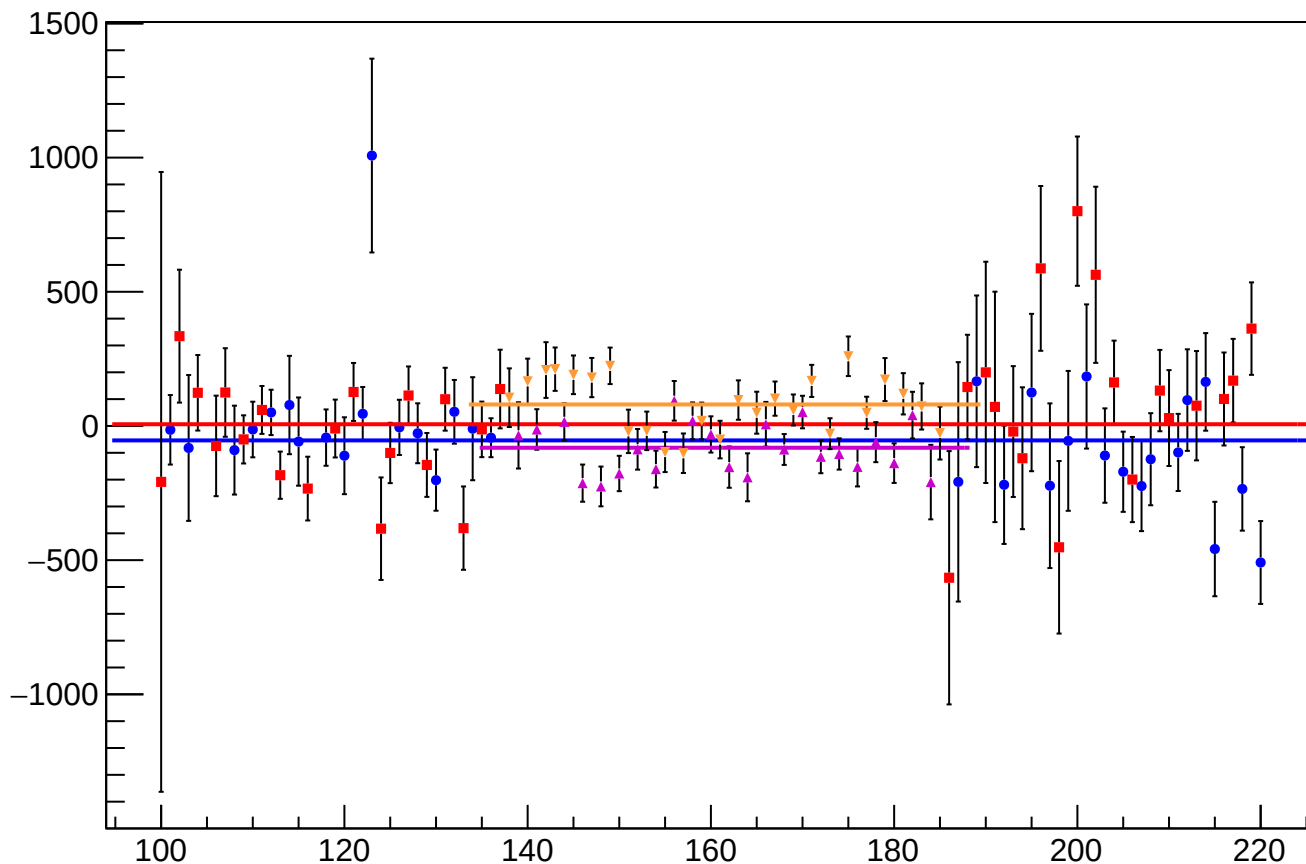
Left In: 448.307 $\pm$ 0.079 χ^2/NDF : 2537376.0/22

+ sign 540.174 $\pm$ 0.074 χ^2/NDF : 20738003.2/58

All: 541.546 $\pm$ 0.053 χ^2/NDF : 42723773.0/11

- sign 542.986 $\pm$ 0.076 χ^2/NDF : 21985062.0/59

reg_asym_sam_37_avg_mean vs Slug



Right In: -53.772 ± 24.606 $\chi^2/\text{NDF}: 37.0/33$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: 6.436 ± 24.434 $\chi^2/\text{NDF}: 57.5/36$

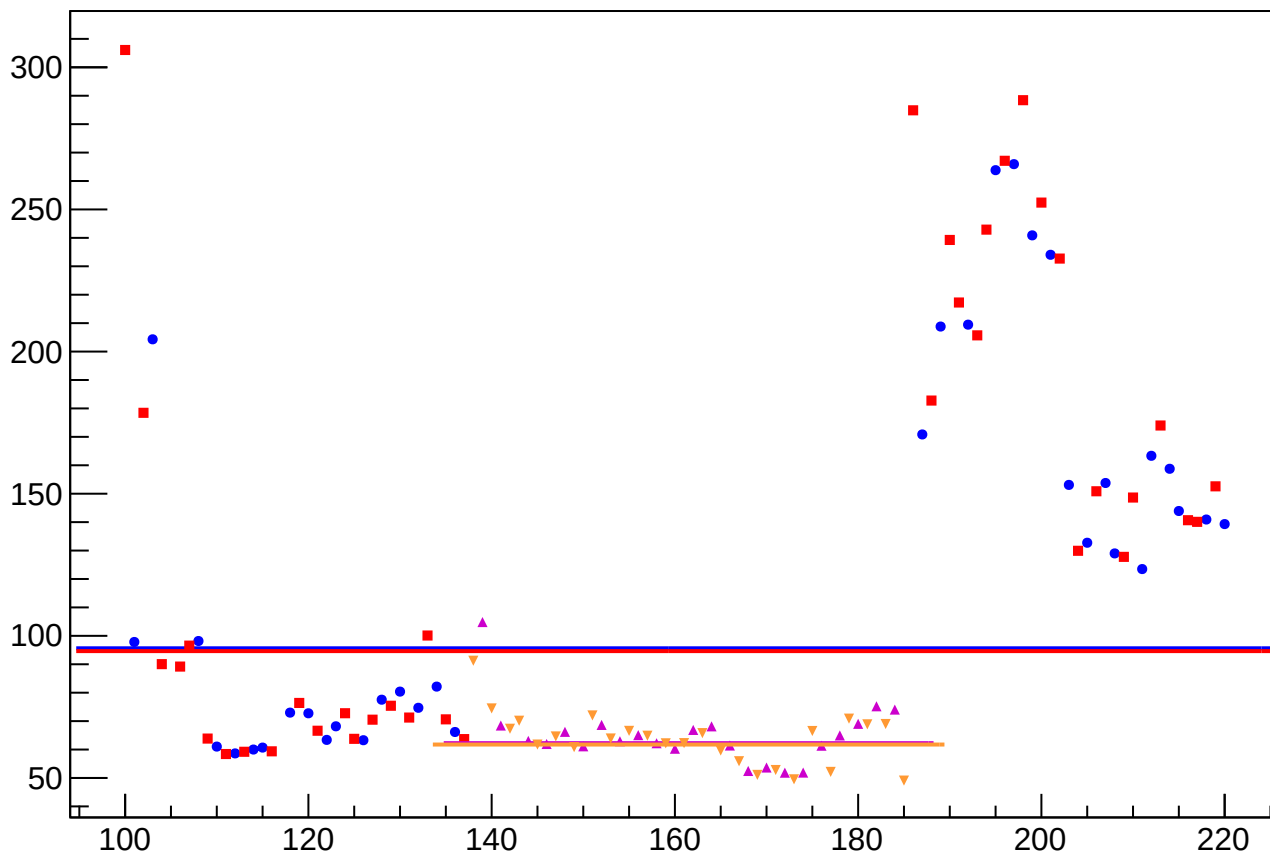
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 45.320 ± 12.551 $\chi^2/\text{NDF}: 107.5/58$

All: -4.611 ± 8.978 $\chi^2/\text{NDF}: 242.0/118$

- sign -56.936 ± 12.848 $\chi^2/\text{NDF}: 102.1/59$

reg_asym_sam_37_avg_rms vs Slug



Right In: 95.617 $\pm$ 0.017 χ^2 /NDF: 7116670.8/33

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 94.629 $\pm$ 0.017 χ^2 /NDF: 8182273.6/36

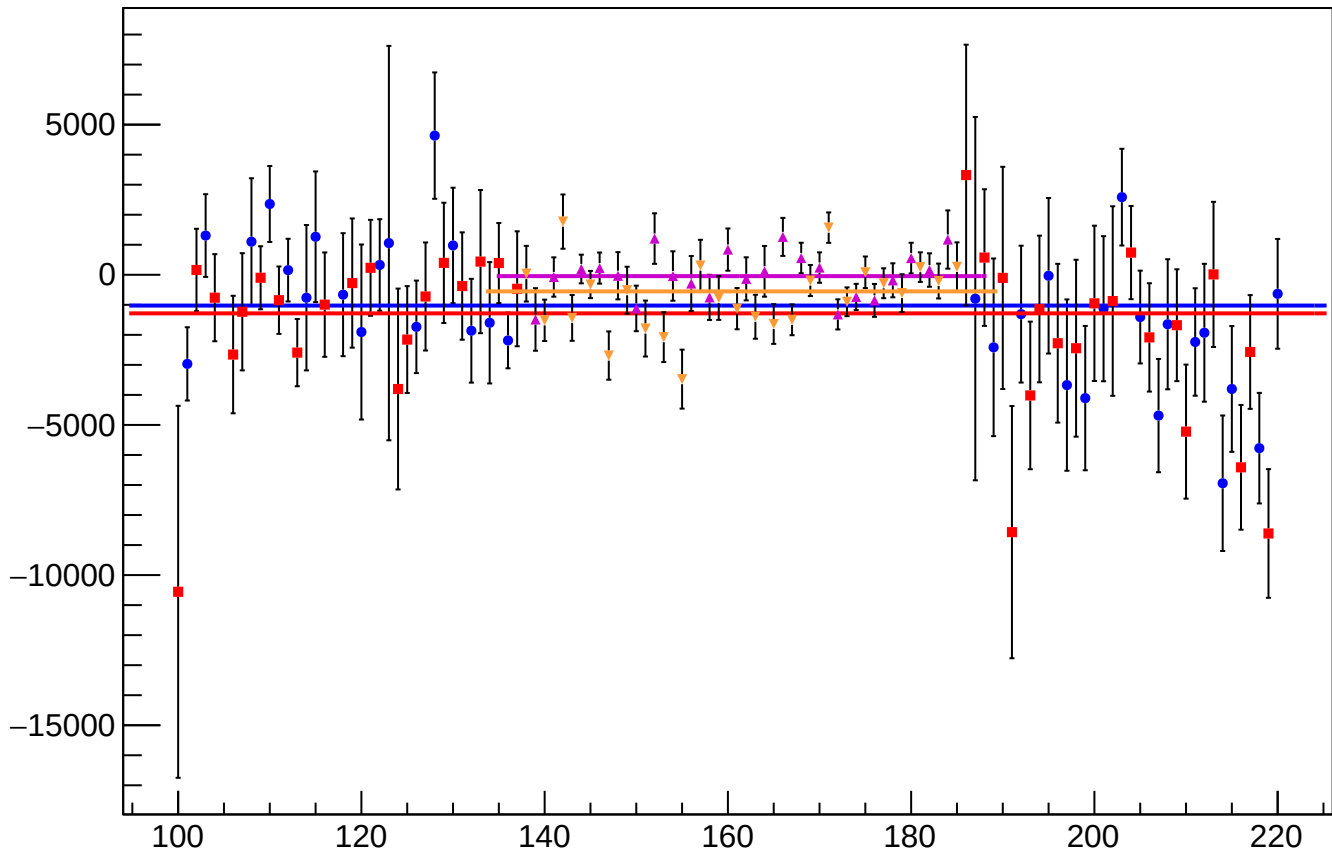
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 70.570 $\pm$ 0.009 χ^2 /NDF: 10563465.8/58

All: 70.879 $\pm$ 0.006 χ^2 /NDF: 21880272.7/118

- sign 71.203 $\pm$ 0.009 χ^2 /NDF: 11314323.4/59

asym_sam_37_avg_correction_mean vs Slug



Right In: -1025.108 ± 307.315 χ^2/NDF : 55.2/33

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -1284.621 ± 306.976 χ^2/NDF : 42.1/36

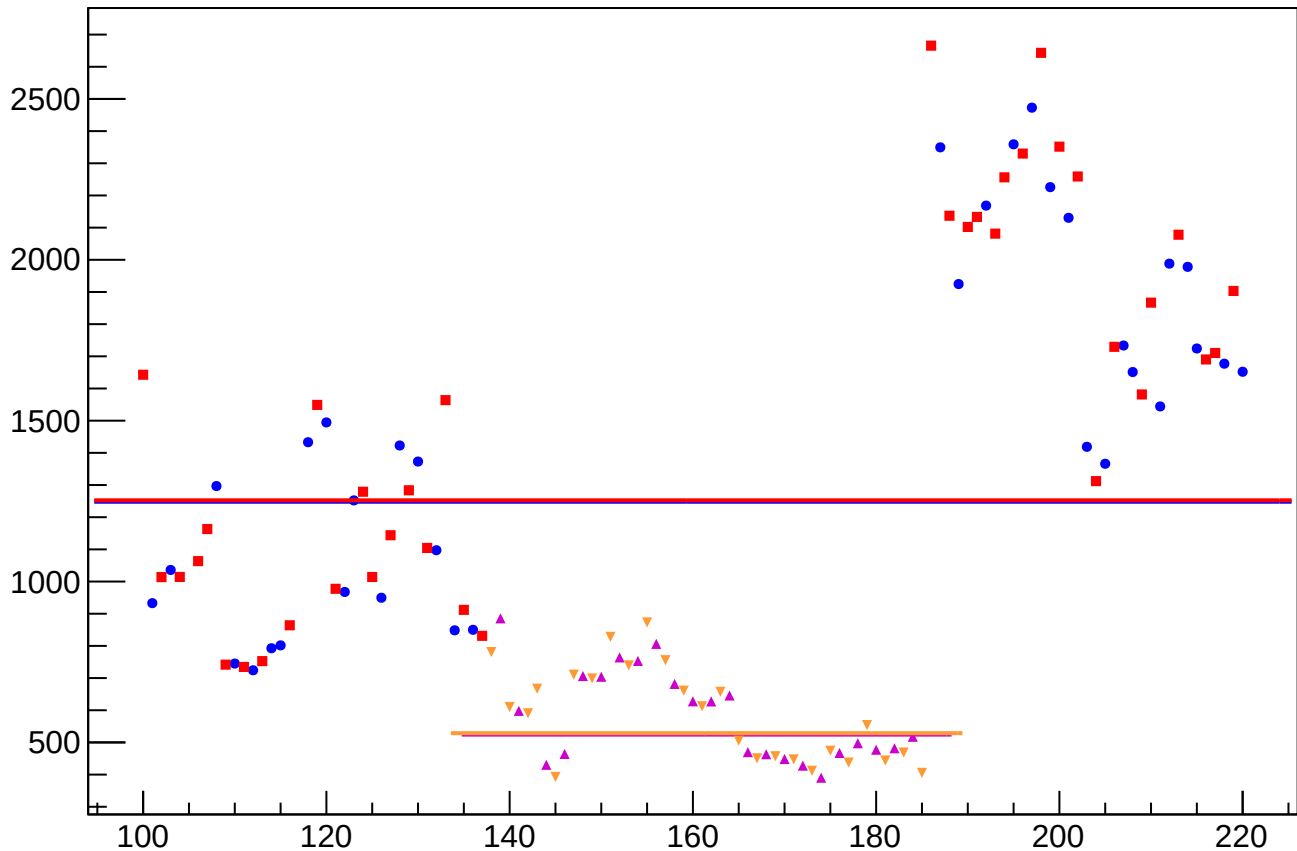
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -621.430 ± 117.357 χ^2/NDF : 122.5/58

All: -428.892 ± 83.559 χ^2/NDF : 213.5/118

- sign -230.926 ± 119.000 χ^2/NDF : 85.6/59

asym_sam_37_avg_correction_rms vs Slug



Right In: 1248.113 $\pm$ 0.217 χ^2 /NDF: 4663938.4/33

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF: 1983697.7/24

Right Out: 1252.495 $\pm$ 0.217 χ^2 /NDF: 5555542.5/36

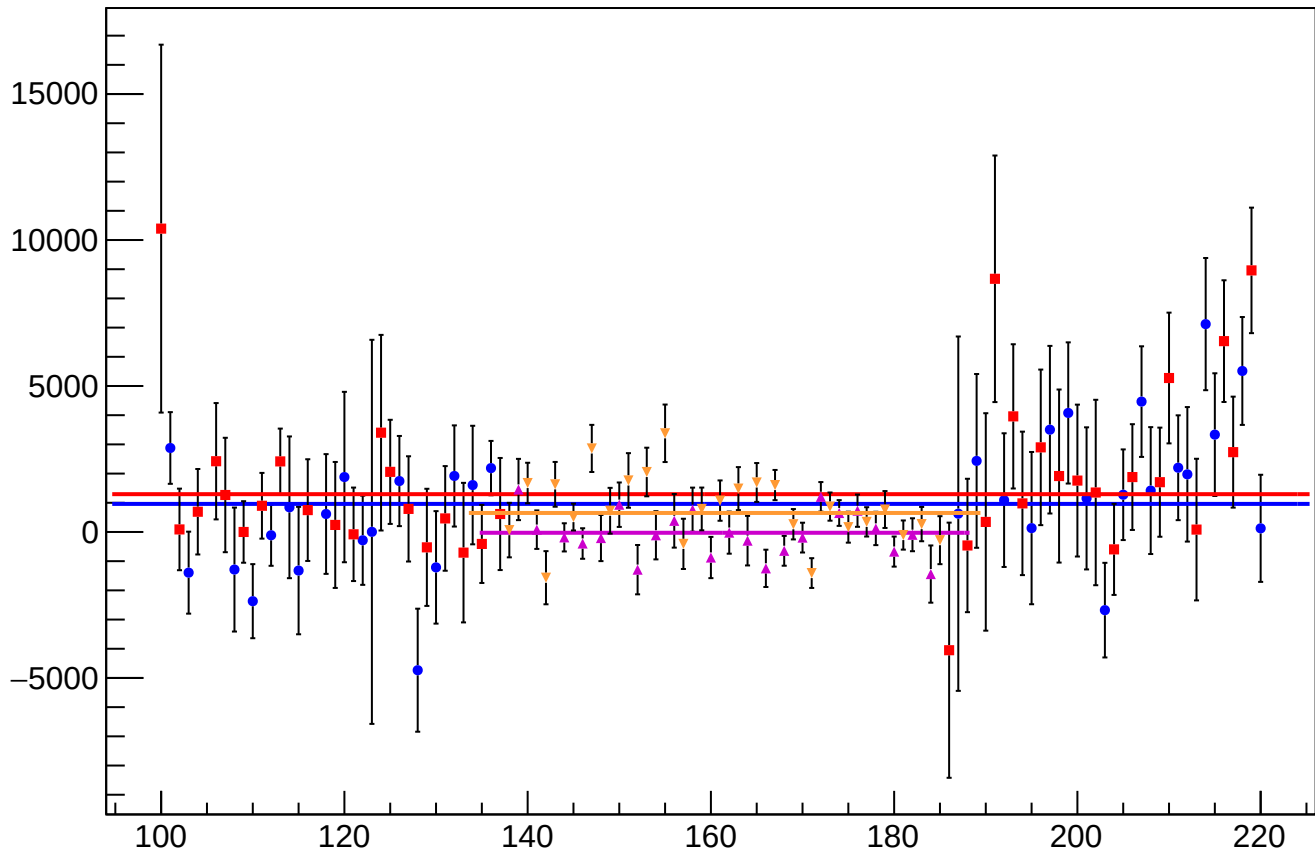
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF: 1716257.3/22

+ sign 633.644 $\pm$ 0.083 χ^2 /NDF: 16008557.1/58

All: 633.673 $\pm$ 0.059 χ^2 /NDF: 32844232.2/1

- sign 633.702 $\pm$ 0.084 χ^2 /NDF: 16835674.8/59

asym_sam_37_avg_mean vs Slug



Right In: 961.457 ± 308.723 χ^2/NDF : 54.2/33

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 1294.962 ± 308.487 χ^2/NDF : 42.6/36

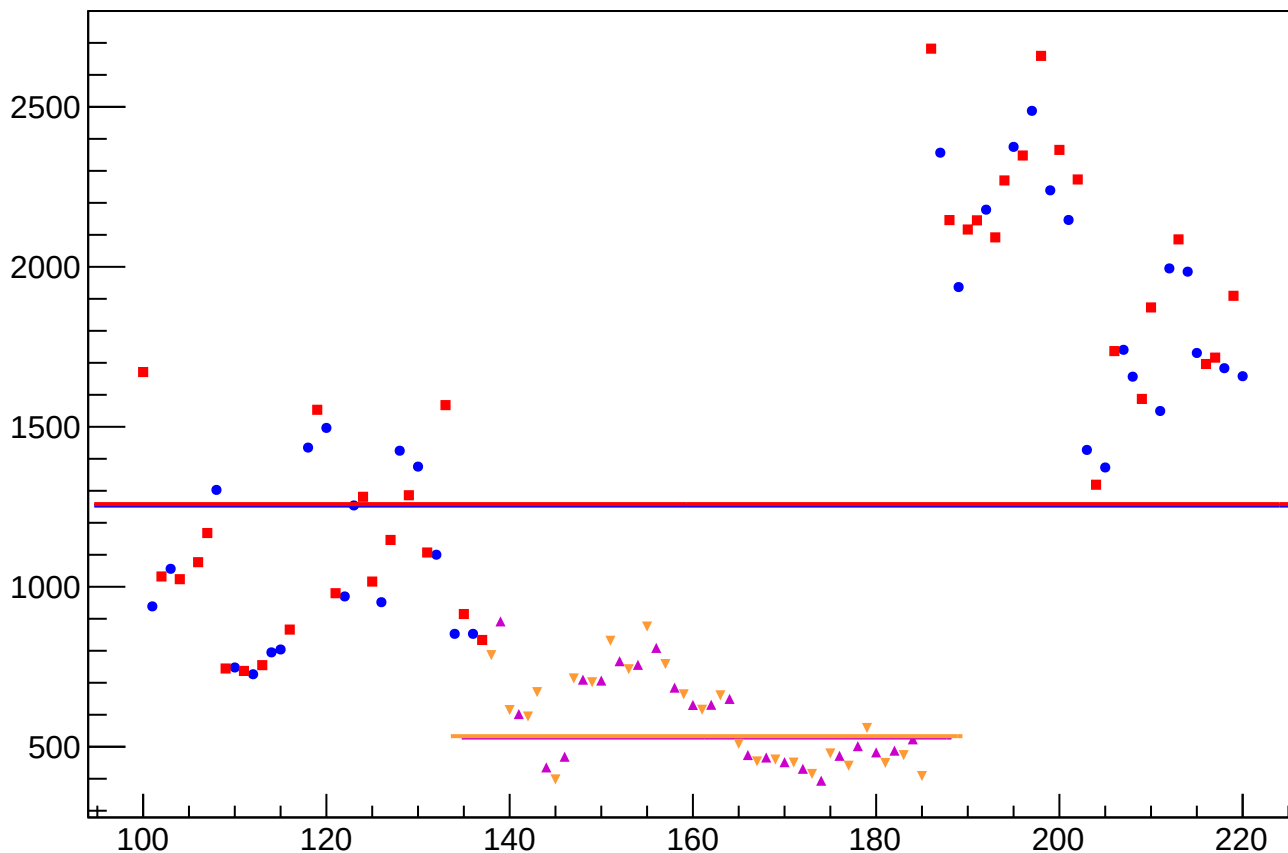
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 696.994 ± 118.209 χ^2/NDF : 116.1/58

All: 438.354 ± 84.177 χ^2/NDF : 212.6/118

- sign 172.280 ± 119.896 χ^2/NDF : 86.7/59

asym_sam_37_avg_rms vs Slug



Right In: 1253.777 $\pm$ 0.218 χ^2 /NDF: 4667156.3/33

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF:1951536.4/24

Right Out: 1258.429 $\pm$ 0.218 χ^2 /NDF: 5560514.2/36

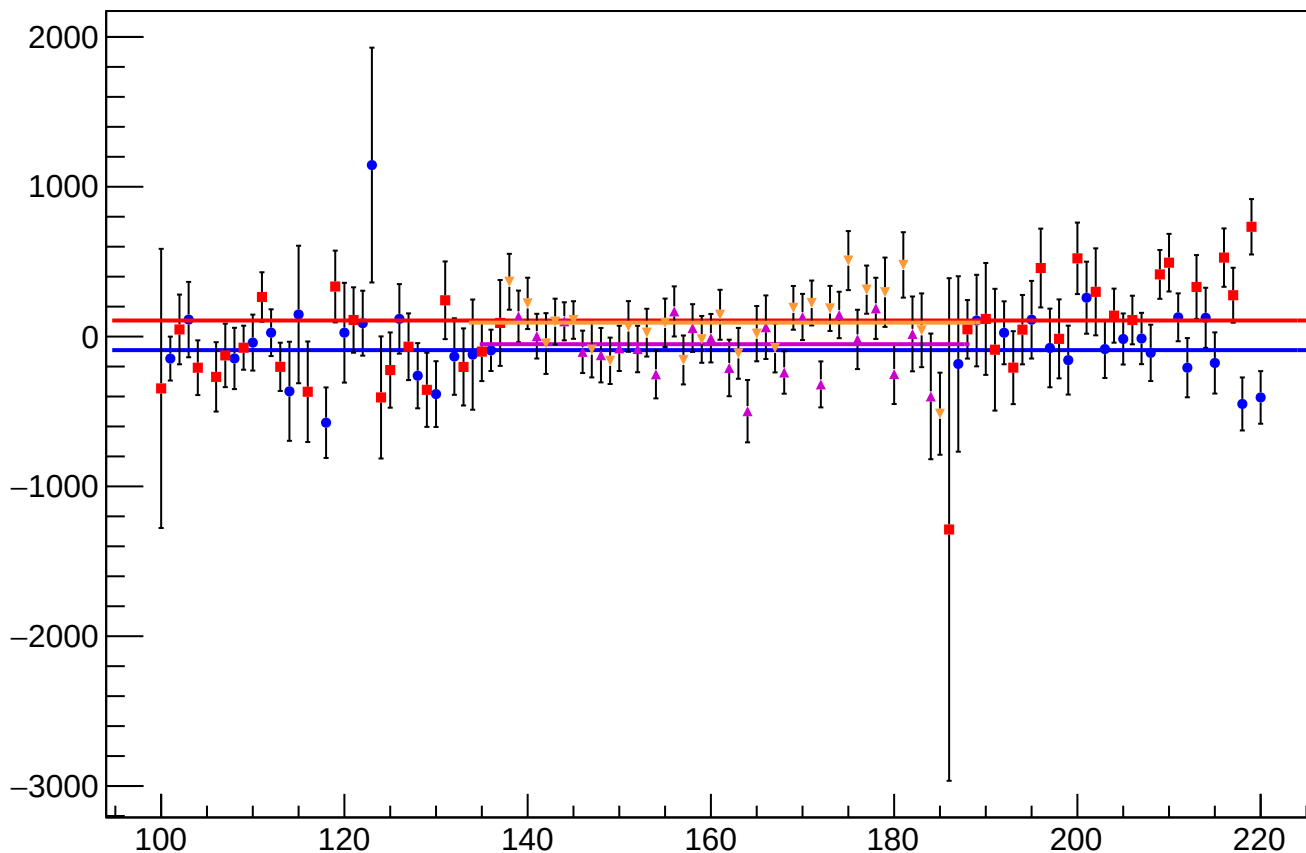
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

+ sign 638.725 $\pm$ 0.084 χ^2 /NDF: 15920505.7/58

All: 638.823 $\pm$ 0.060 χ^2 /NDF: 32670447.9/1

- sign 638.925 $\pm$ 0.085 χ^2 /NDF: 16749939.4/59

reg_asym_sam_48_avg_mean vs Slug



Right In: -90.448 ± 36.295 χ^2/NDF : 28.1/33

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: 107.292 ± 36.275 χ^2/NDF : 60.3/36

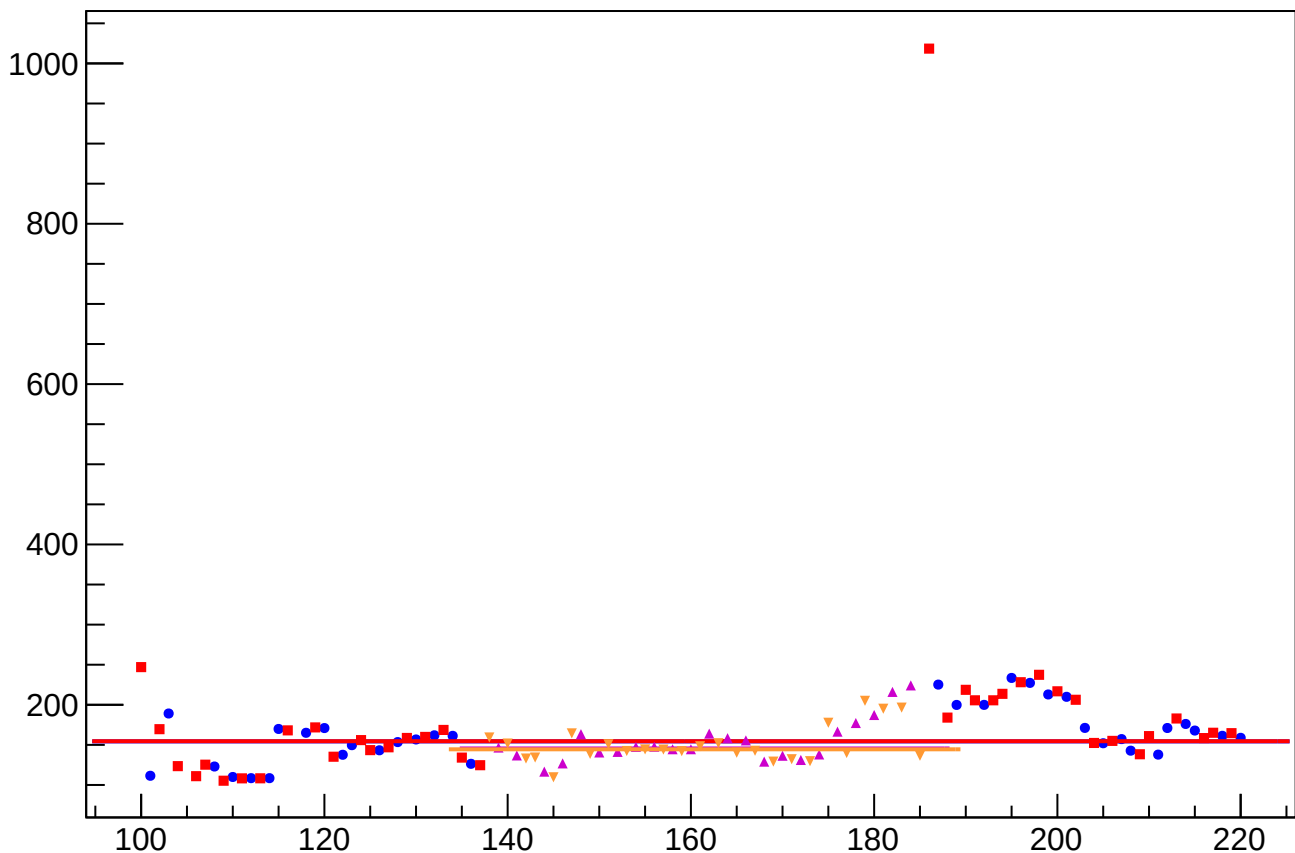
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 7.112 ± 24.834 χ^2/NDF : 71.1/58

All: 16.383 ± 17.720 χ^2/NDF : 164.9/118

- sign 25.998 ± 25.291 χ^2/NDF : 93.5/59

reg_asym_sam_48_avg_rms vs Slug



Right In: 154.339 $\pm$ 0.026 χ^2 /NDF: 1534749.3/33

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 154.578 $\pm$ 0.026 χ^2 /NDF: 2337469.8/36

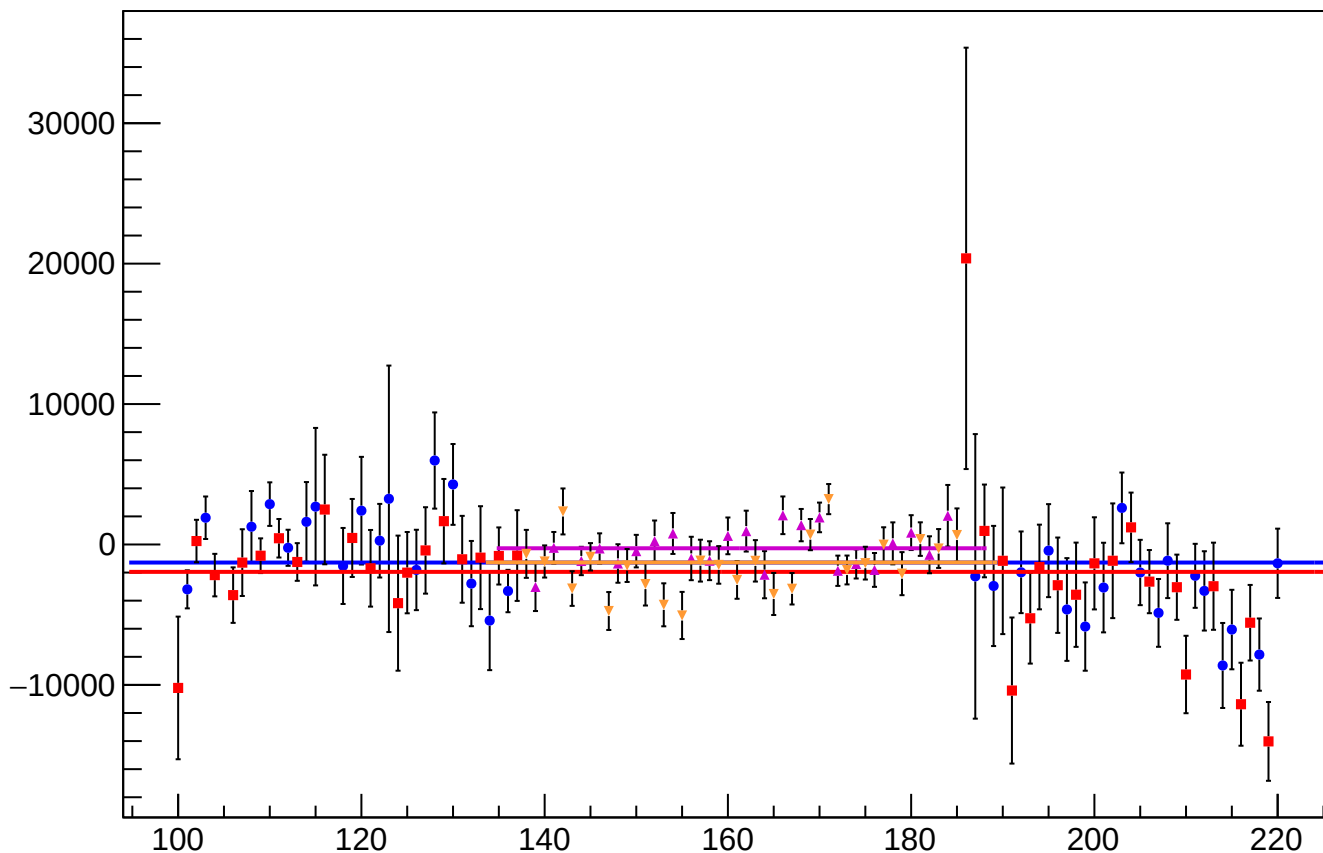
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 149.093 $\pm$ 0.018 χ^2 /NDF: 2283797.3/58

All: 149.504 $\pm$ 0.013 χ^2 /NDF: 5329789.2/118

- sign 149.931 $\pm$ 0.018 χ^2 /NDF: 3044875.8/59

asym_sam_48_avg_correction_mean vs Slug



Right In: -1286.046 $\pm$ 418.867 χ^2/NDF : 54.1/33

Left Out: -1279.328 $\pm$ 259.299 χ^2/NDF : 55.9/24

Right Out: -1950.243 $\pm$ 402.880 χ^2/NDF : 61.0/36

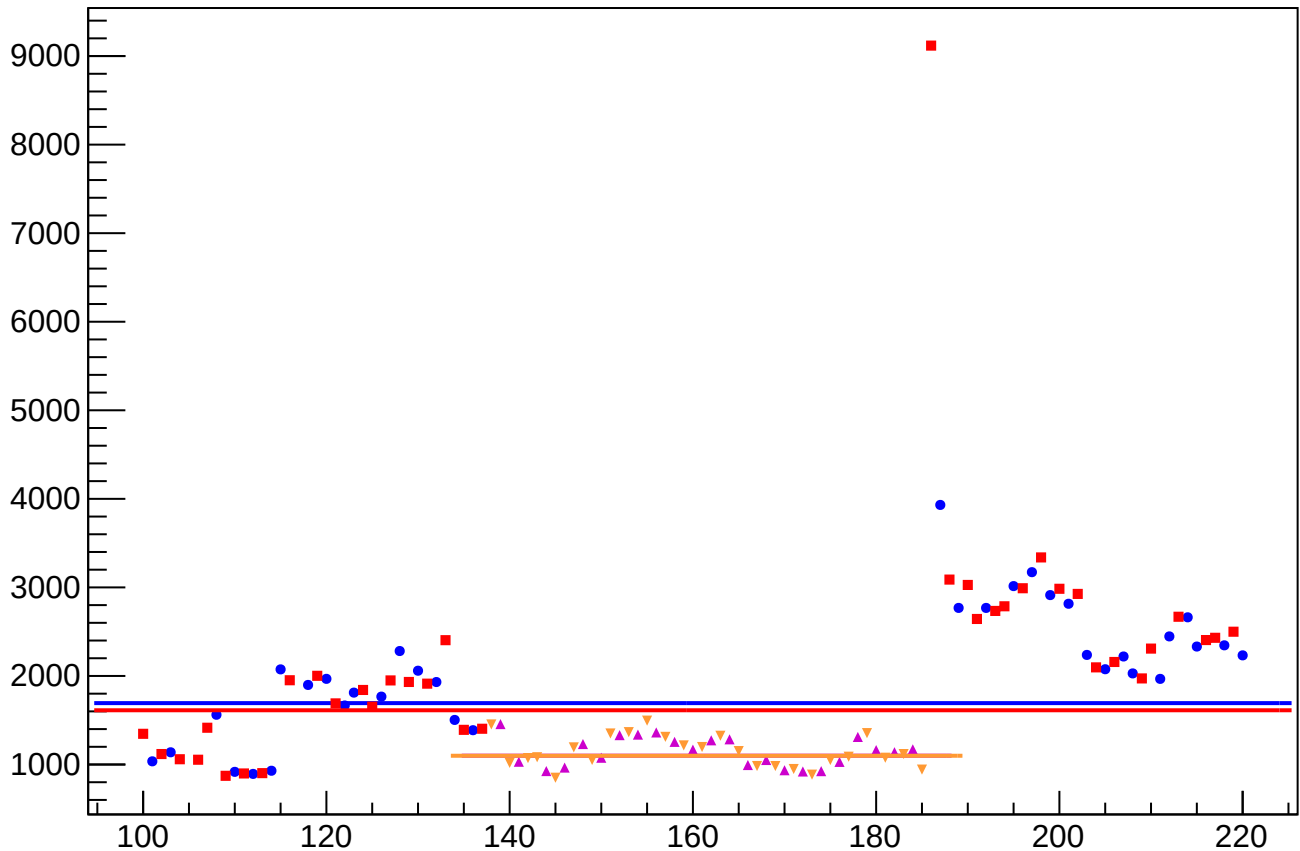
Left In: -269.952 $\pm$ 266.245 χ^2/NDF : 24.3/22

+ sign -1281.189 $\pm$ 220.473 χ^2/NDF : 110.1/58

All: -1032.820 $\pm$ 156.478 χ^2/NDF : 210.0/118

- sign -780.718 $\pm$ 222.123 χ^2/NDF : 97.3/59

asym_sam_48_avg_correction_rms vs Slug



Right In: 1693.302+/-0.296 χ^2/NDF : 5055511.3/33

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

Right Out: 1612.527+/-0.285 χ^2/NDF : 6848334.4/36

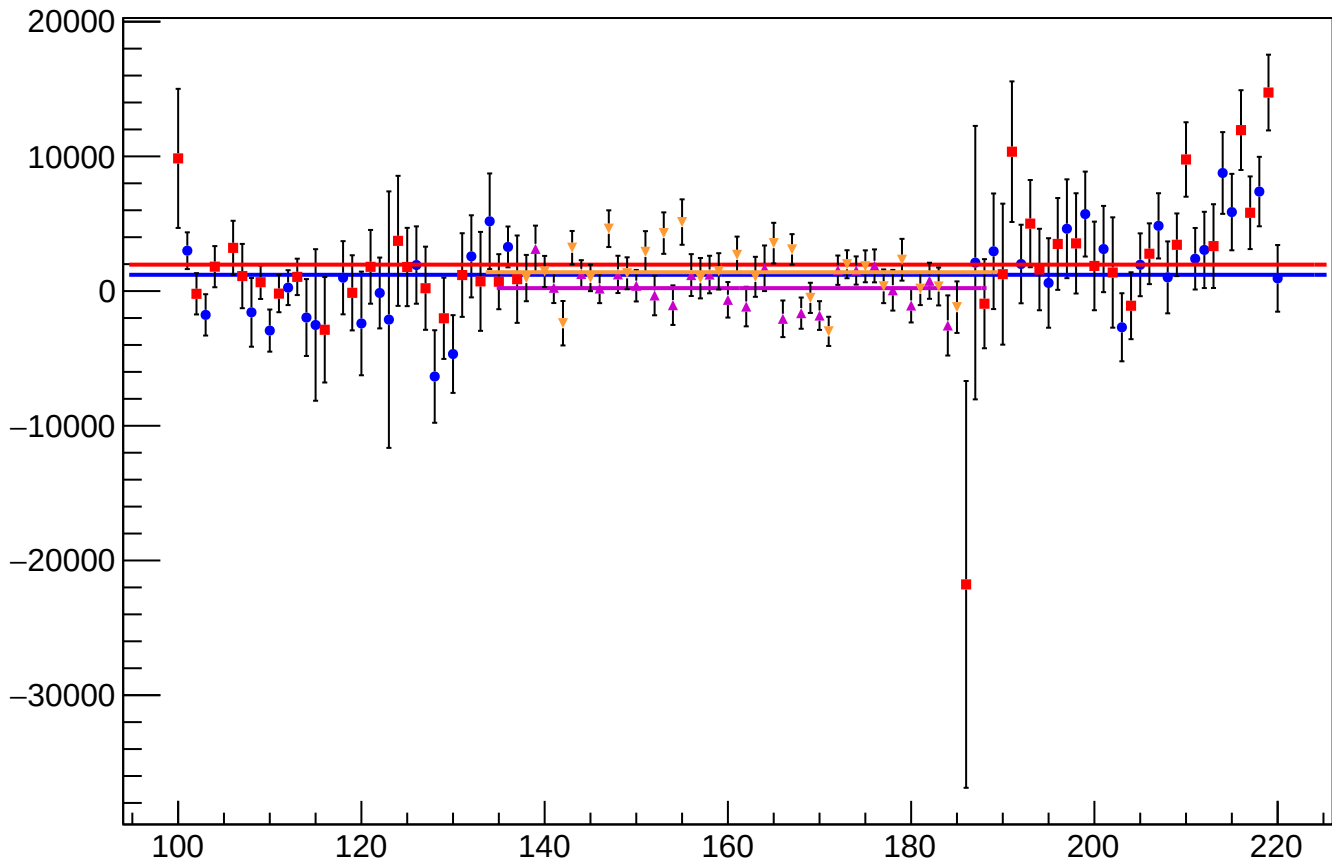
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1263.586+/-0.156 χ^2/NDF : 8791461.8/58

All: 1259.576+/-0.111 χ^2/NDF : 18577552.4/1

- sign 1255.506+/-0.157 χ^2/NDF : 9784757.7/59

asym_sam_48_avg_mean vs Slug



Right In: 1208.820 $\pm$ 421.006 χ^2 /NDF: 53.2/33

Left Out: 1400.458 $\pm$ 261.804 χ^2 /NDF: 52.2/24

Right Out: 1963.477 $\pm$ 405.352 χ^2 /NDF: 65.2/36

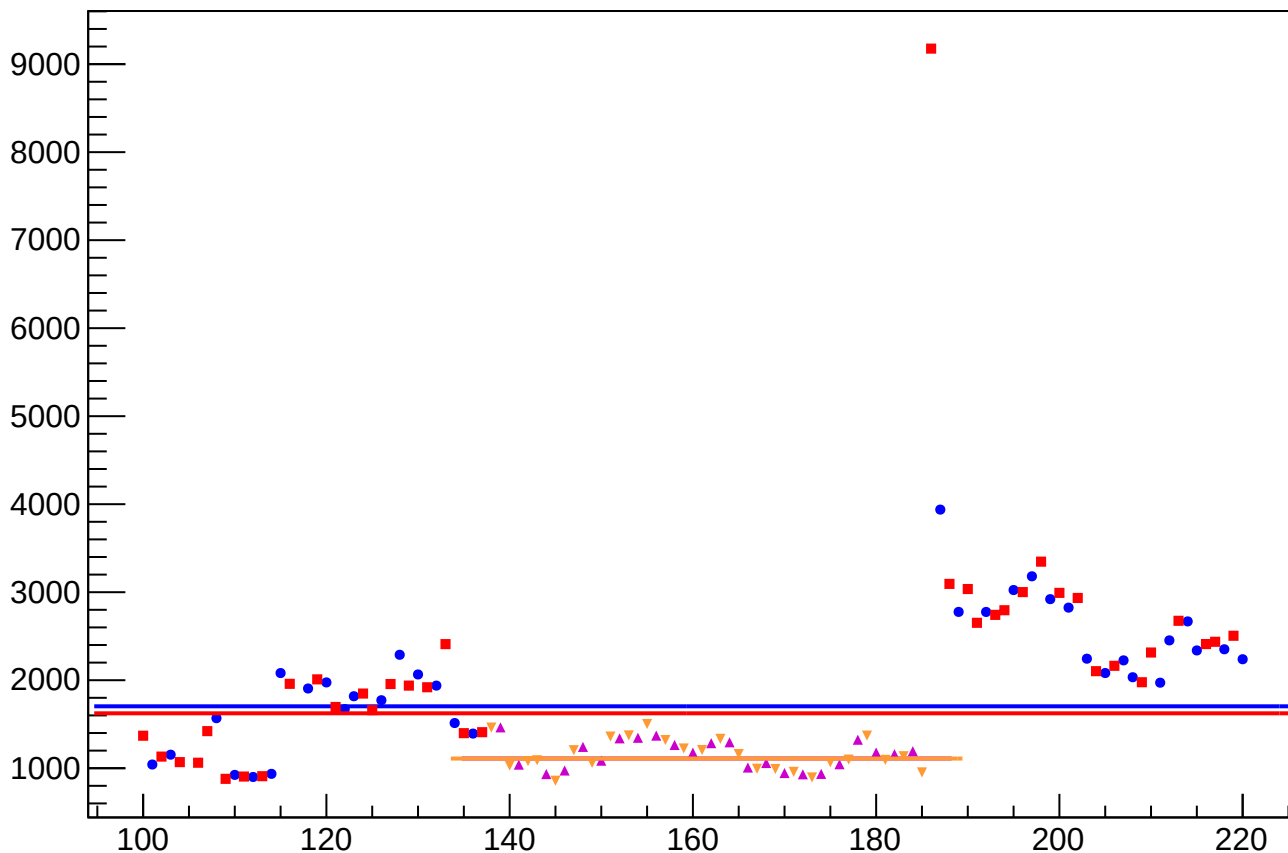
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1347.017 $\pm$ 222.323 χ^2 /NDF: 105.6/58

All: 1051.925 $\pm$ 157.813 χ^2 /NDF: 212.2/118

- sign 752.231 $\pm$ 224.051 χ^2 /NDF: 103.0/59

asym_sam_48_avg_rms vs Slug



Right In: 1703.425+/-0.298 χ^2/NDF : 5000227.1/33

Left Out: 1109.761+/-0.185 χ^2/NDF :812174.9/24

Right Out: 1623.983+/-0.287 χ^2/NDF : 6777257.7/36

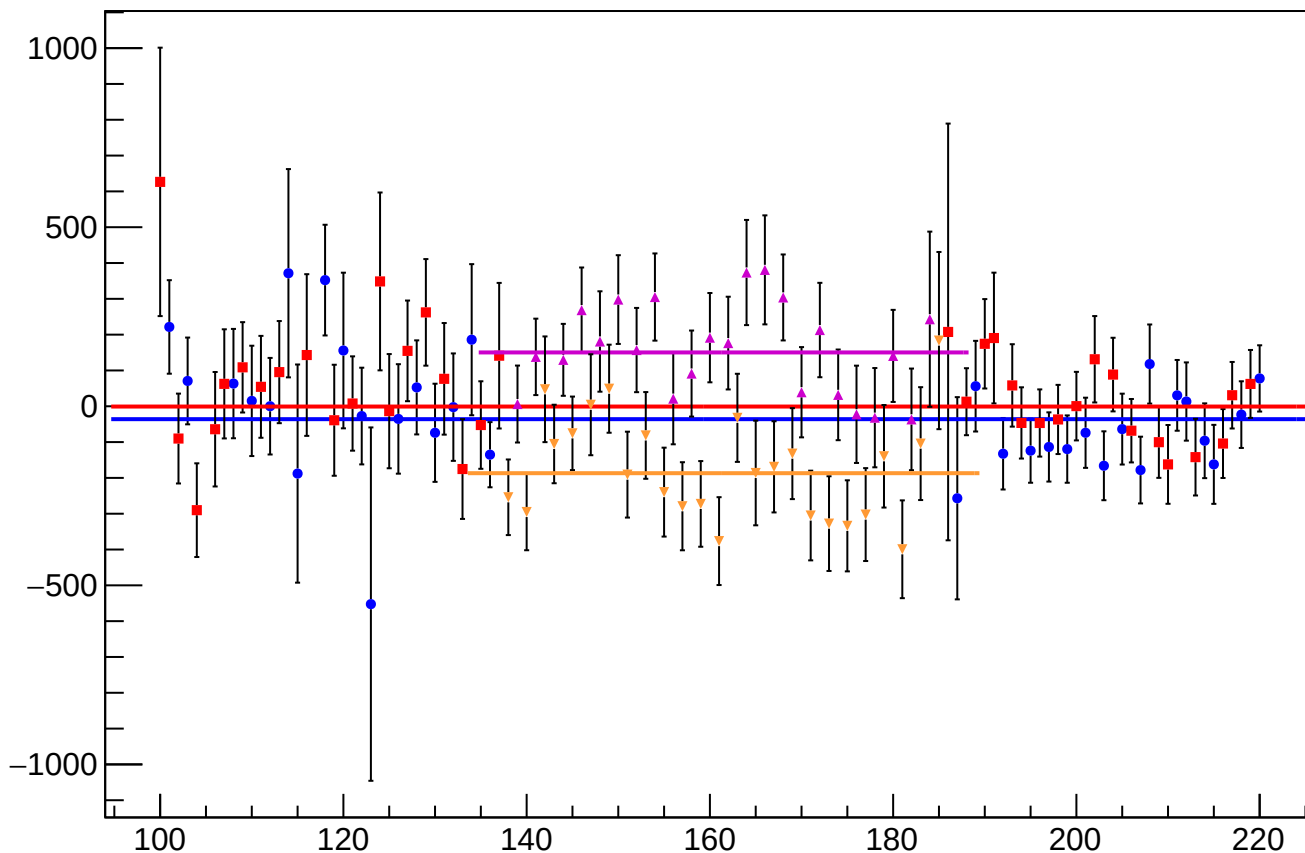
Left In: 1110.542+/-0.190 χ^2/NDF :669928.9/22

+ sign 1275.313+/-0.157 χ^2/NDF : 8680215.9/58

All: 1271.389+/-0.112 χ^2/NDF : 18357158.3/100

- sign 1267.404+/-0.158 χ^2/NDF : 9675686.7/59

reg_asym_sam_15_dd_mean vs Slug



Right In: -35.995 ± 20.509 χ^2/NDF : 33.2/33

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: -0.756 ± 20.237 χ^2/NDF : 32.4/36

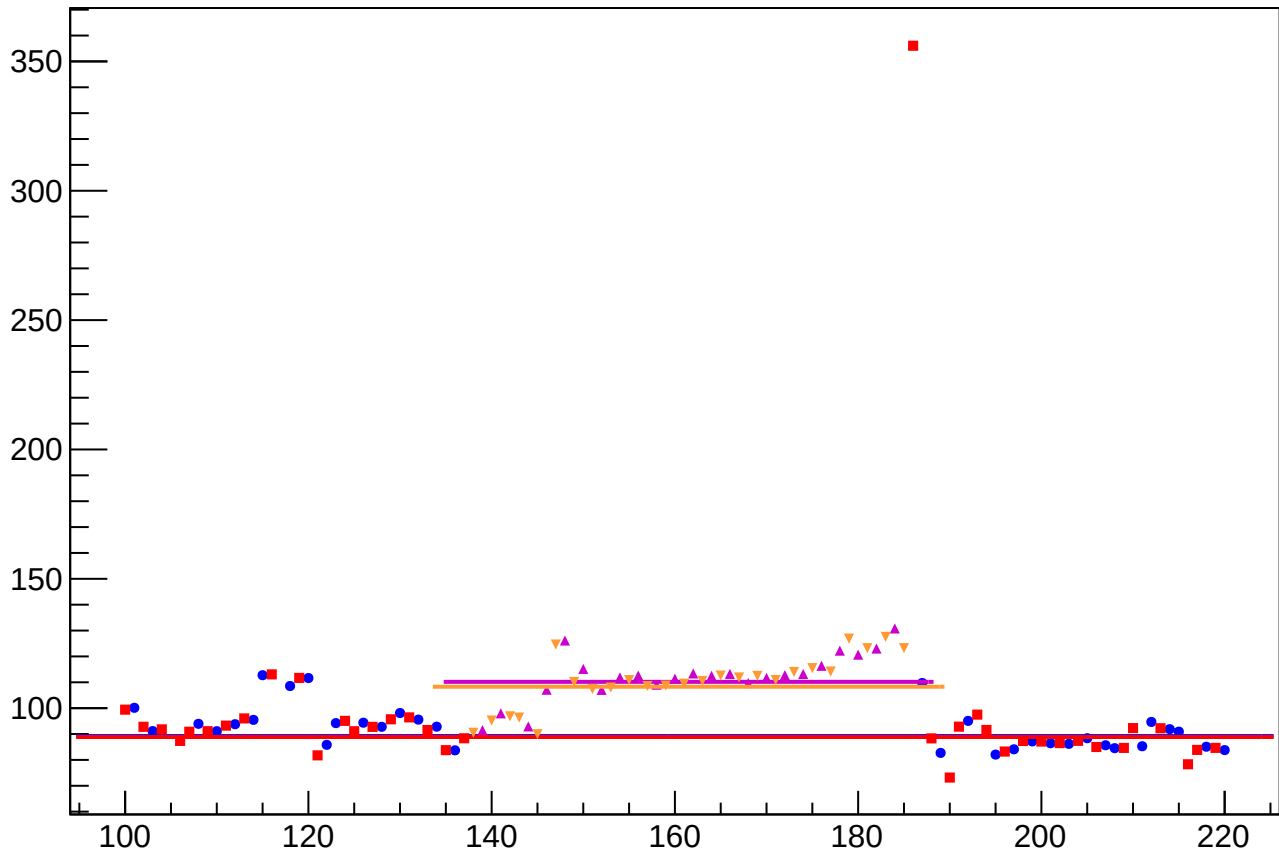
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -95.787 ± 15.934 χ^2/NDF : 81.2/58

All: -21.022 ± 11.315 χ^2/NDF : 199.3/118

- sign 55.038 ± 16.071 χ^2/NDF : 73.7/59

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.201 $\pm$ 0.015 χ^2 /NDF: 182780.9/33

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 88.856 $\pm$ 0.014 χ^2 /NDF: 623201.1/36

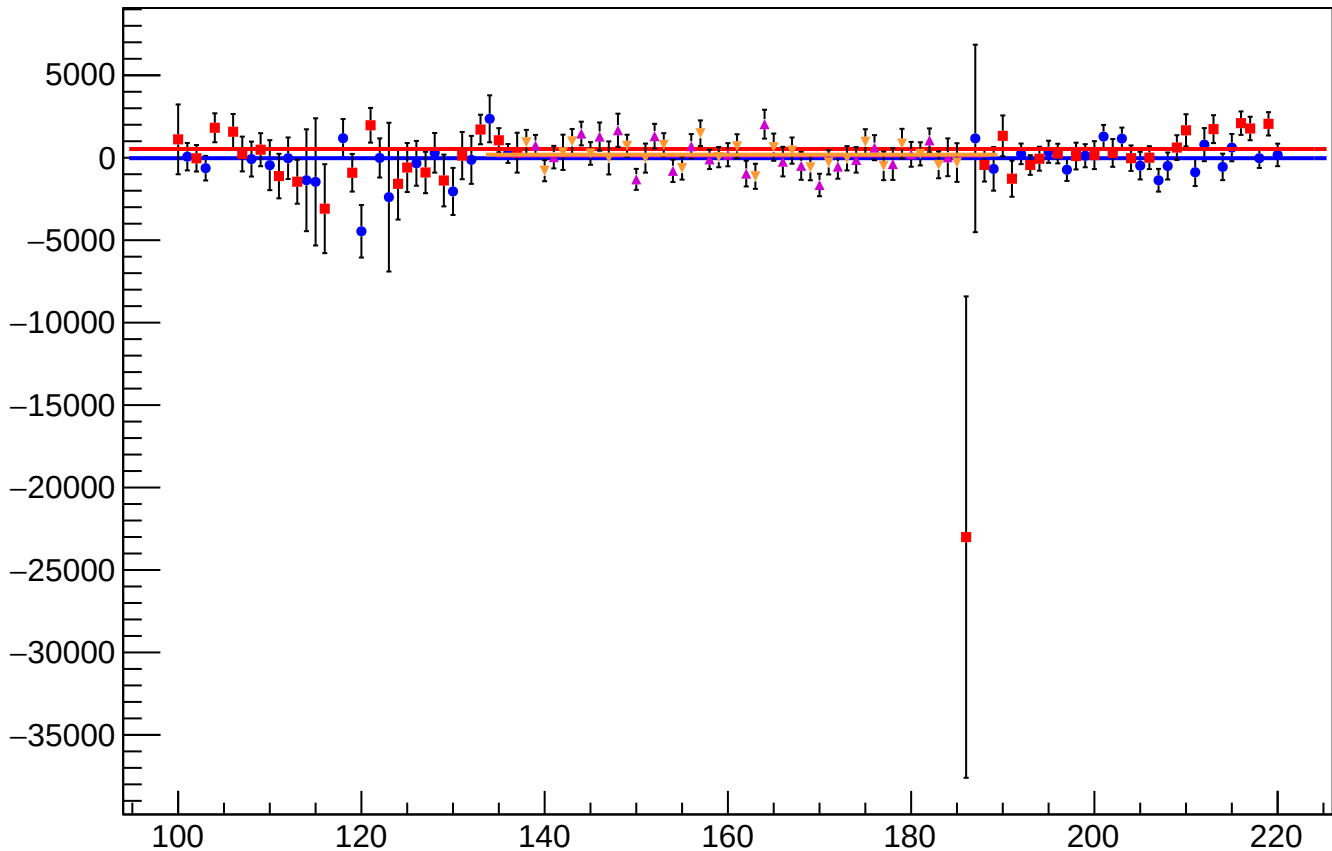
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 96.766 $\pm$ 0.011 χ^2 /NDF: 1200118.7/58

All: 96.748 $\pm$ 0.008 χ^2 /NDF: 2889876.8/118

- sign 96.729 $\pm$ 0.011 χ^2 /NDF: 1689752.7/59

asym_sam_15_dd_correction_mean vs Slug



Right In: -28.325 $\pm$ 153.628 χ^2/NDF : 31.2/33

Left Out: 185.392 $\pm$ 153.683 χ^2/NDF : 18.4/24

Right Out: 530.553 $\pm$ 152.524 χ^2/NDF : 47.1/36

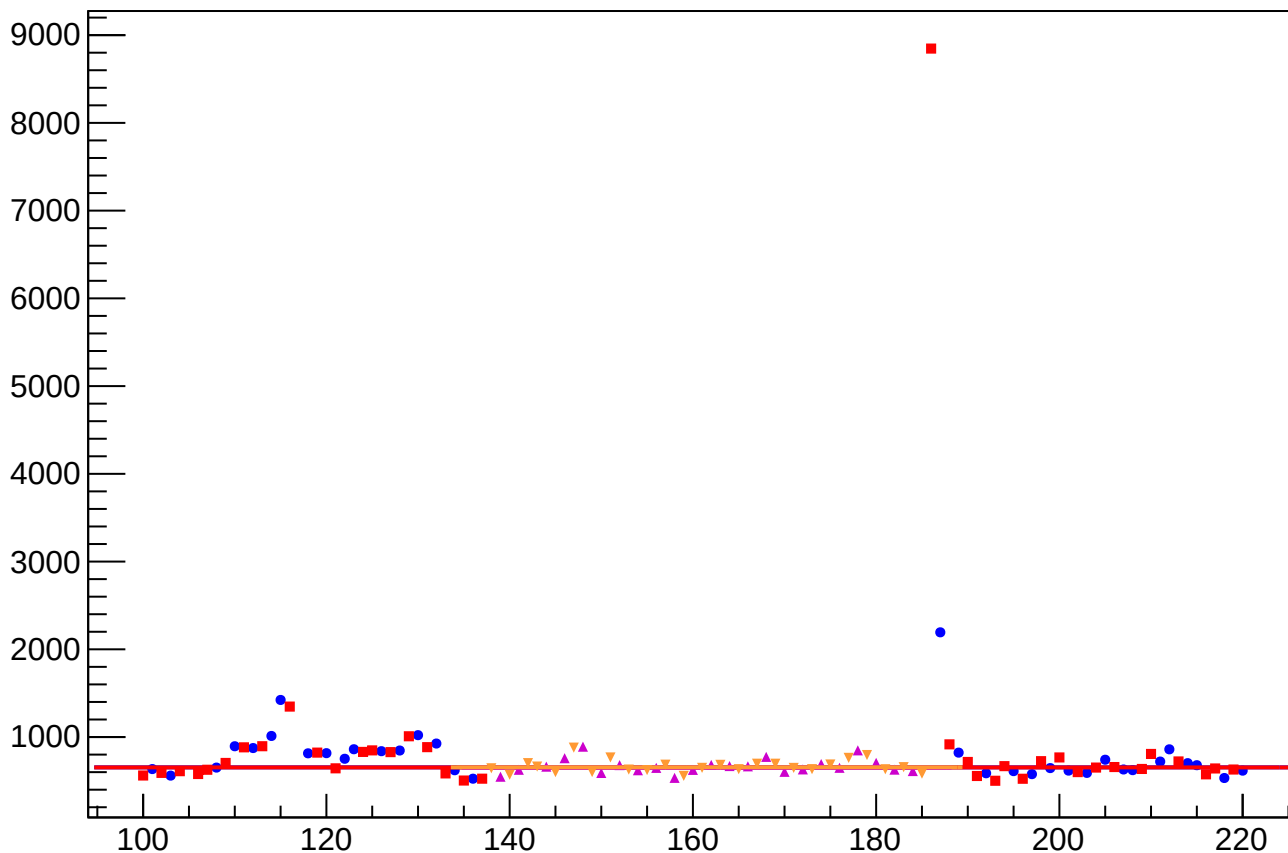
Left In: 128.782 $\pm$ 157.155 χ^2/NDF : 36.2/22

+ sign 78.496 $\pm$ 108.651 χ^2/NDF : 50.5/58

All: 206.141 $\pm$ 77.109 χ^2/NDF : 140.0/118

- sign 335.675 $\pm$ 109.451 χ^2/NDF : 86.7/59

asym_sam_15_dd_correction_rms vs Slug



Right In: 654.654+/-0.109 χ^2/NDF : 1202852.8/33

Left Out: 655.155+/-0.109 χ^2/NDF : 367349.8/24

Right Out: 653.851+/-0.108 χ^2/NDF : 1856707.6/36

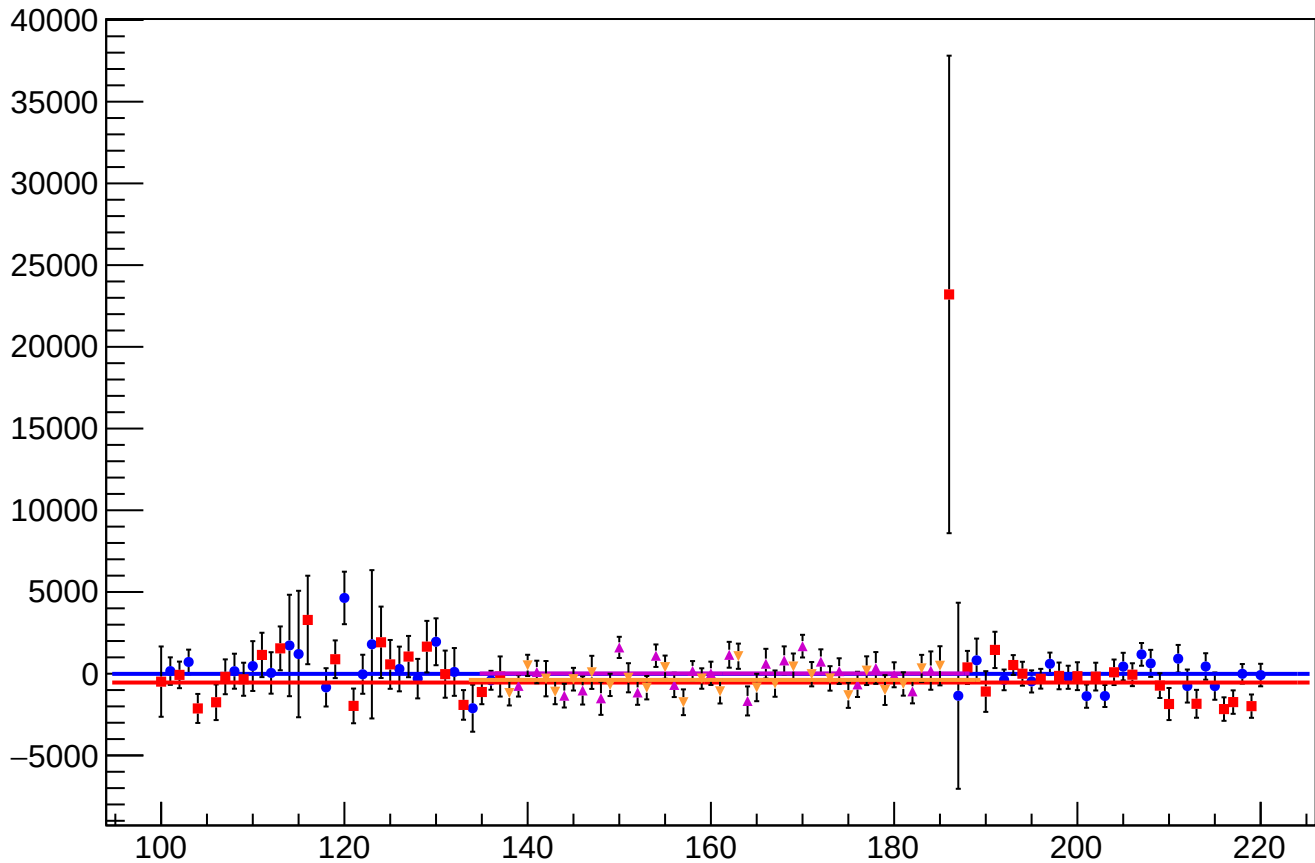
Left In: 650.883+/-0.111 χ^2/NDF : 466116.8/22

+ sign 654.905+/-0.077 χ^2/NDF : 1570213.3/58

All: 653.667+/-0.055 χ^2/NDF : 3893927.6/118

- sign 652.411+/-0.077 χ^2/NDF : 2323191.6/59

asym_sam_15_dd_mean vs Slug



Right In: -9.740 ± 155.171 χ^2/NDF : 31.7/33

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -540.174 ± 154.093 χ^2/NDF : 51.3/36

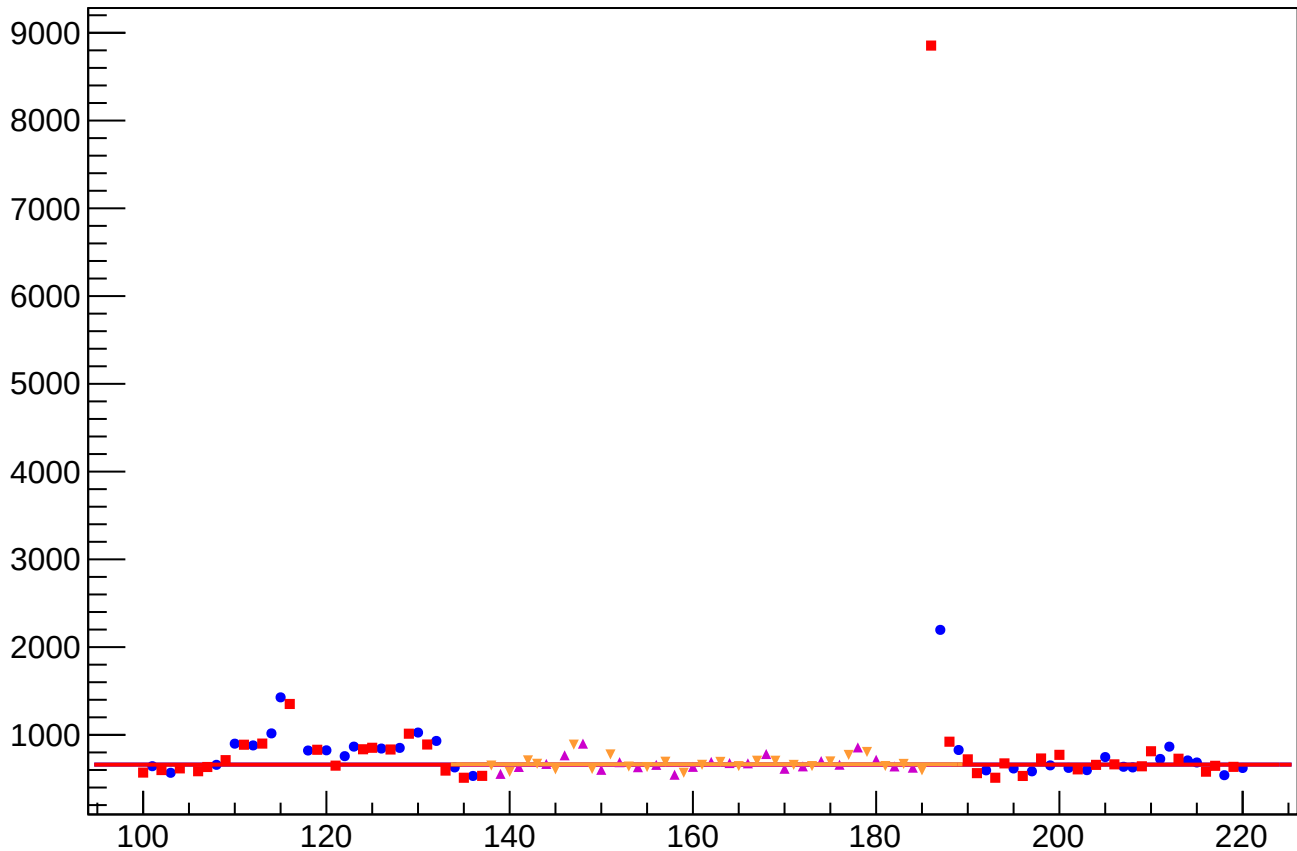
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -193.748 ± 109.977 χ^2/NDF : 53.3/58

All: -232.717 ± 78.064 χ^2/NDF : 148.3/118

- sign -272.292 ± 110.827 χ^2/NDF : 94.8/59

asym_sam_15_dd_rms vs Slug



Right In: 661.625+/-0.110 χ^2/NDF : 1174817.8/33

Left Out: 664.773+/-0.110 χ^2/NDF : 357053.8/24

Right Out: 661.067+/-0.109 χ^2/NDF : 1819303.1/36

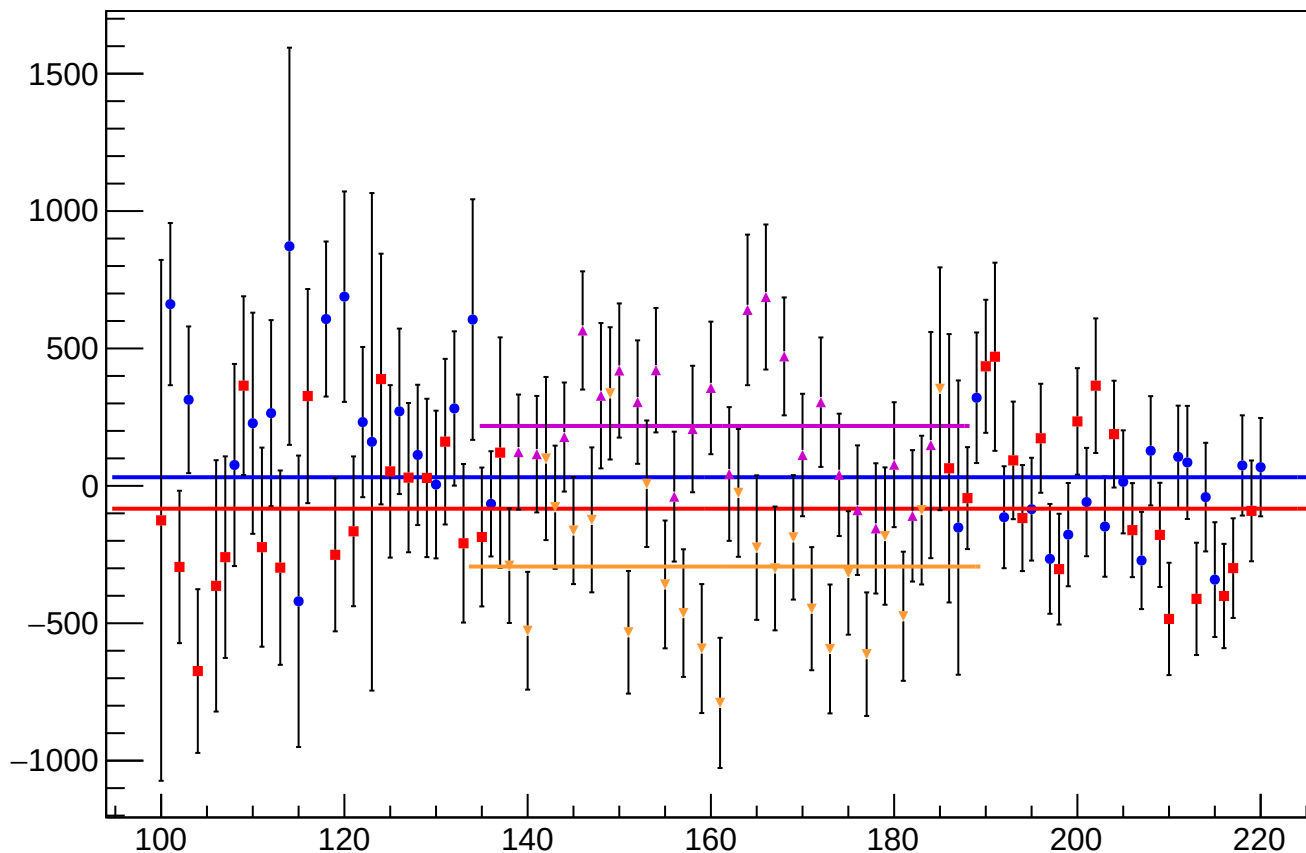
Left In: 660.890+/-0.113 χ^2/NDF : 449180.0/22

+ sign 663.192+/-0.078 χ^2/NDF : 1532281.1/58

All: 662.095+/-0.055 χ^2/NDF : 3801166.2/118

- sign 660.982+/-0.078 χ^2/NDF : 2268484.4/59

reg_asym_sam_26_dd_mean vs Slug



Right In: 31.386 ± 40.543 $\chi^2/\text{NDF}: 33.7/33$

Left Out: -293.590 ± 47.203 $\chi^2/\text{NDF}: 30.3/24$

Right Out: -83.074 ± 40.635 $\chi^2/\text{NDF}: 41.9/36$

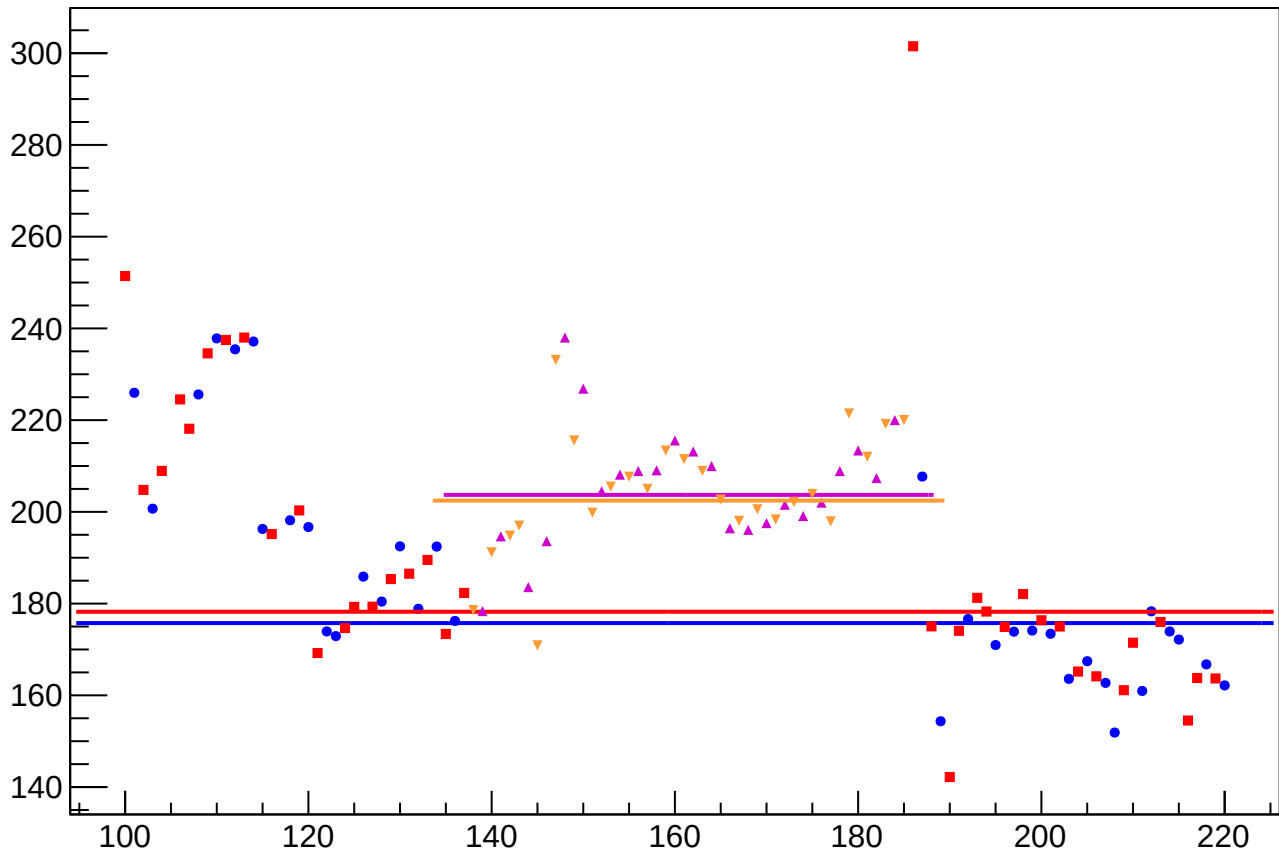
Left In: 217.964 ± 48.819 $\chi^2/\text{NDF}: 21.3/22$

+ sign -106.579 ± 30.756 $\chi^2/\text{NDF}: 91.3/58$

All: -34.350 ± 21.914 $\chi^2/\text{NDF}: 188.2/118$

- sign 40.131 ± 31.231 $\chi^2/\text{NDF}: 85.7/59$

reg_asym_sam_26_dd_rms vs Slug



Right In: 175.753 $\pm$ 0.029 χ^2 /NDF: 379678.7/33

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 178.224 $\pm$ 0.029 χ^2 /NDF: 564475.7/36

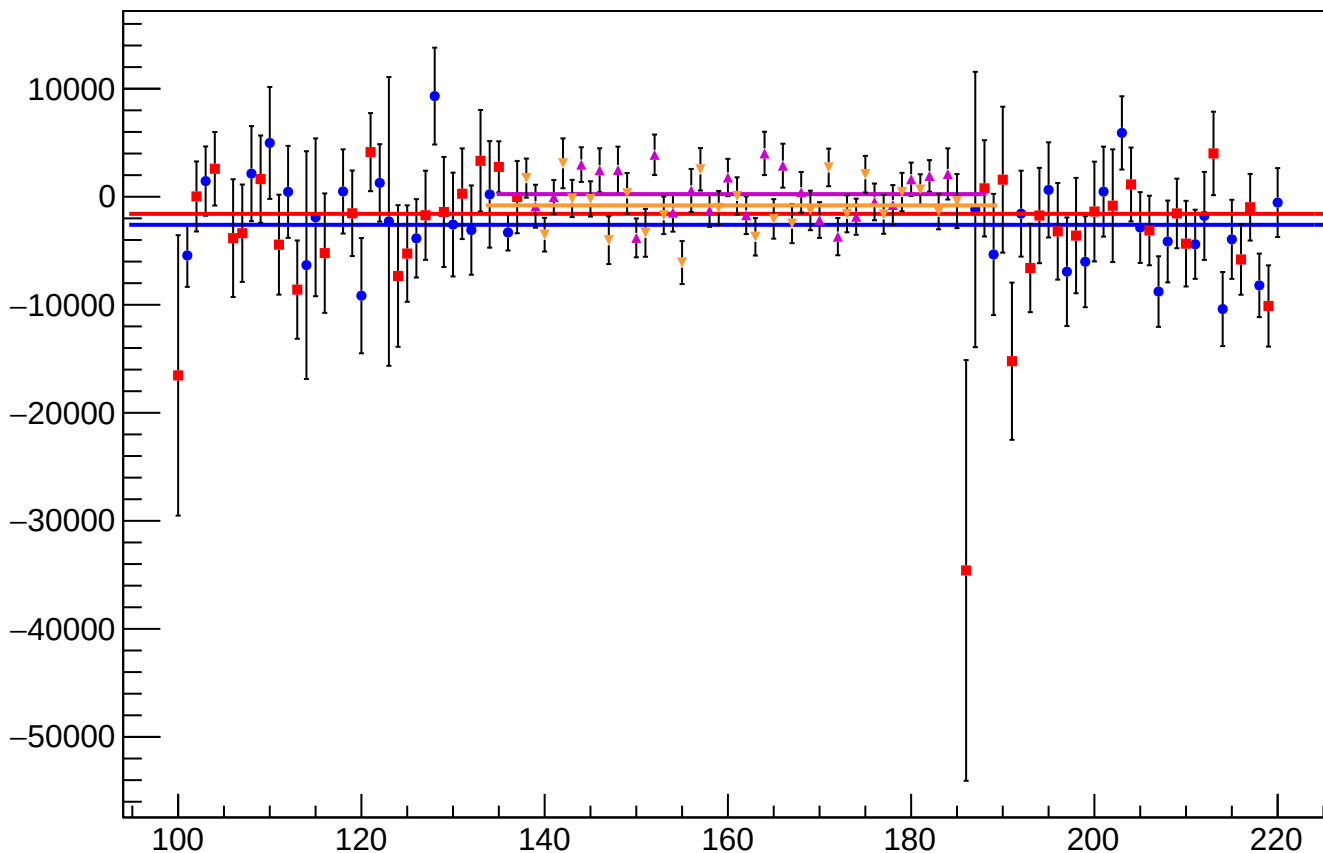
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 187.090 $\pm$ 0.022 χ^2 /NDF: 906668.4/58

All: 187.858 $\pm$ 0.015 χ^2 /NDF: 1931575.1/118

- sign 188.650 $\pm$ 0.022 χ^2 /NDF: 1022374.2/59

asym_sam_26_dd_correction_mean vs Slug



Right In: -2597.083 ± 647.882 χ^2/NDF : 40.1/33

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1581.431 ± 675.346 χ^2/NDF : 35.0/36

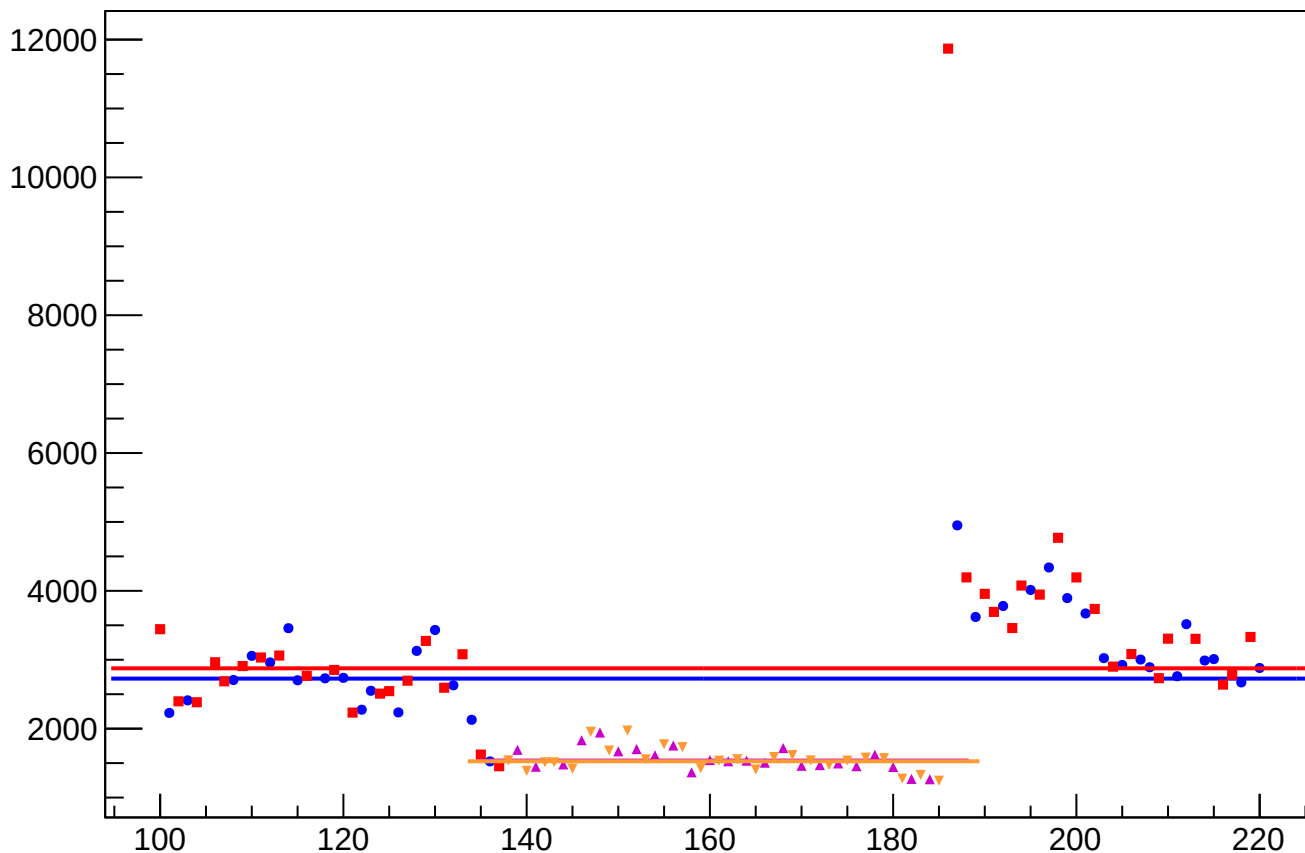
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -1217.432 ± 313.245 χ^2/NDF : 81.7/58

All: -715.058 ± 225.334 χ^2/NDF : 163.4/118

- sign -176.307 ± 324.388 χ^2/NDF : 76.4/59

asym_sam_26_dd_correction_rms vs Slug



Right In: 2726.269+/-0.458 χ^2/NDF : 2332151.5/33

Left Out: 1526.712+/-0.253 χ^2/NDF : 394892.7/24

Right Out: 2875.539+/-0.478 χ^2/NDF : 2682924.0/36

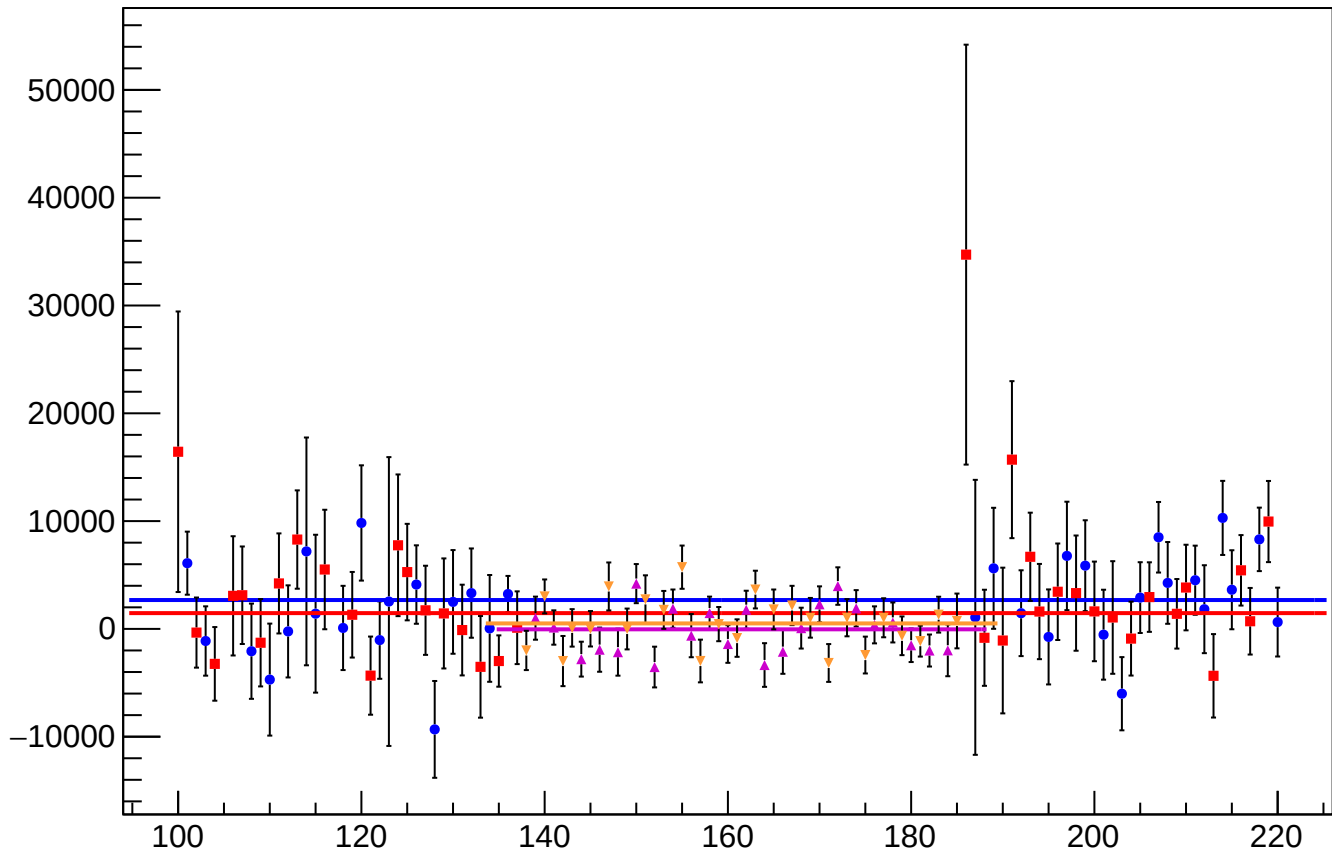
Left In: 1536.538+/-0.262 χ^2/NDF : 350373.3/22

+ sign 1807.124+/-0.221 χ^2/NDF : 7980482.1/58

All: 1825.625+/-0.159 χ^2/NDF : 17076436.3/119

- sign 1845.466+/-0.229 χ^2/NDF : 9081495.4/59

asym_sam_26_dd_mean vs Slug



Right In: 2677.435 ± 649.797 χ^2/NDF : 39.8/33

Left Out: 507.982 ± 361.172 χ^2/NDF : 35.4/24

Right Out: 1464.109 ± 677.228 χ^2/NDF : 35.5/36

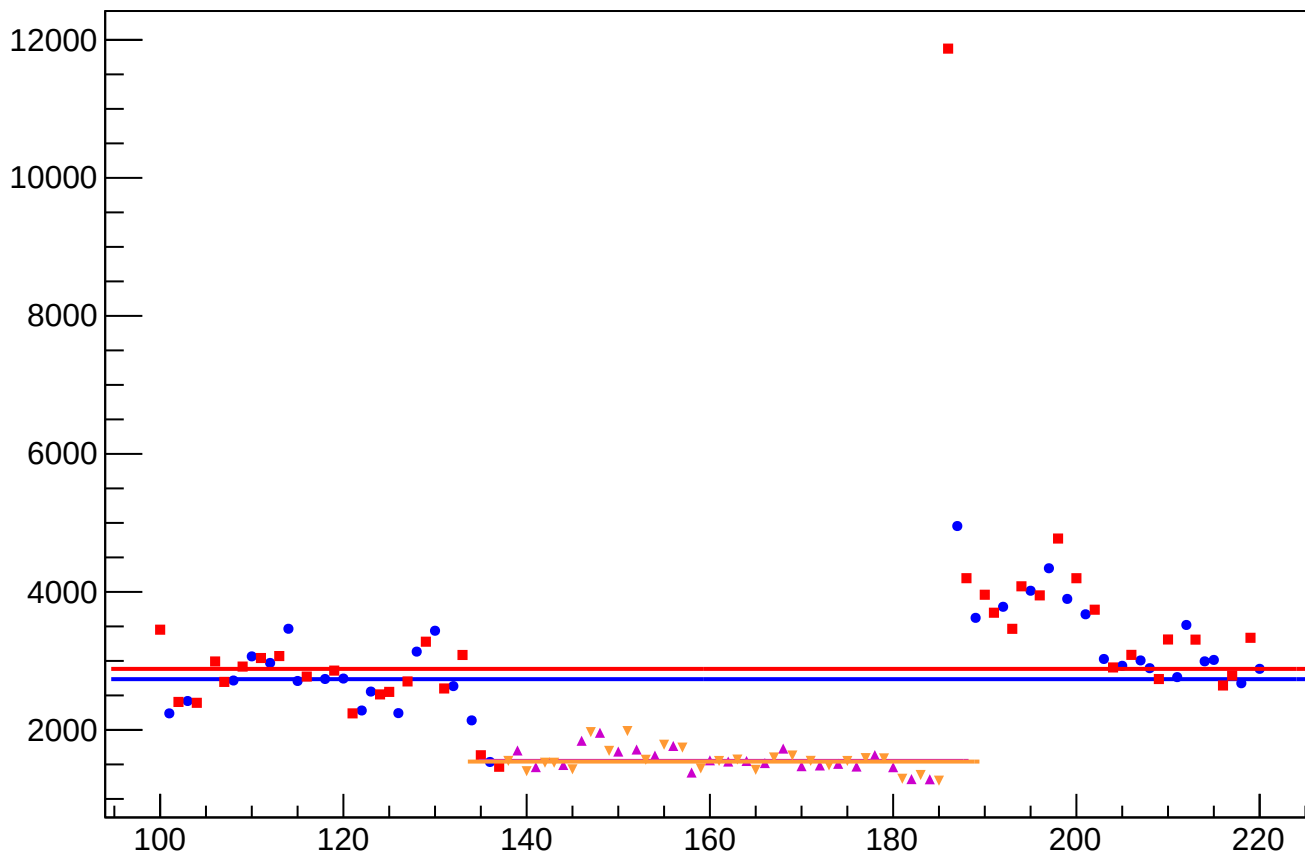
Left In: -40.080 ± 373.261 χ^2/NDF : 33.6/22

+ sign 1020.022 ± 315.686 χ^2/NDF : 83.6/58

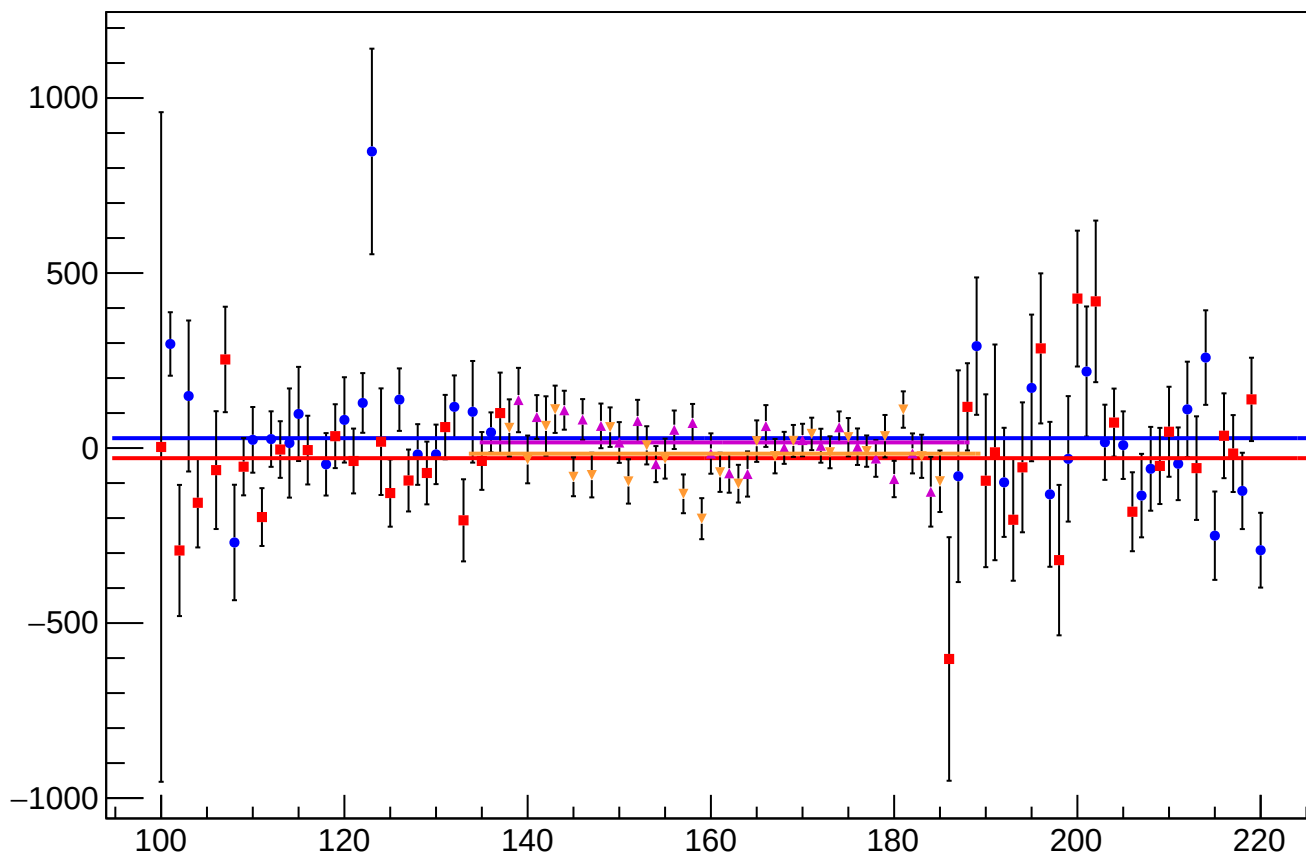
All: 677.585 ± 227.084 χ^2/NDF : 158.9/118

- sign 310.394 ± 326.897 χ^2/NDF : 72.8/59

asym_sam_26_dd_rms vs Slug



reg_asym_sam_37_dd_mean vs Slug



Right In: 28.239 ± 19.172 χ^2/NDF : 53.0/33

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -28.916 ± 19.527 χ^2/NDF : 41.9/36

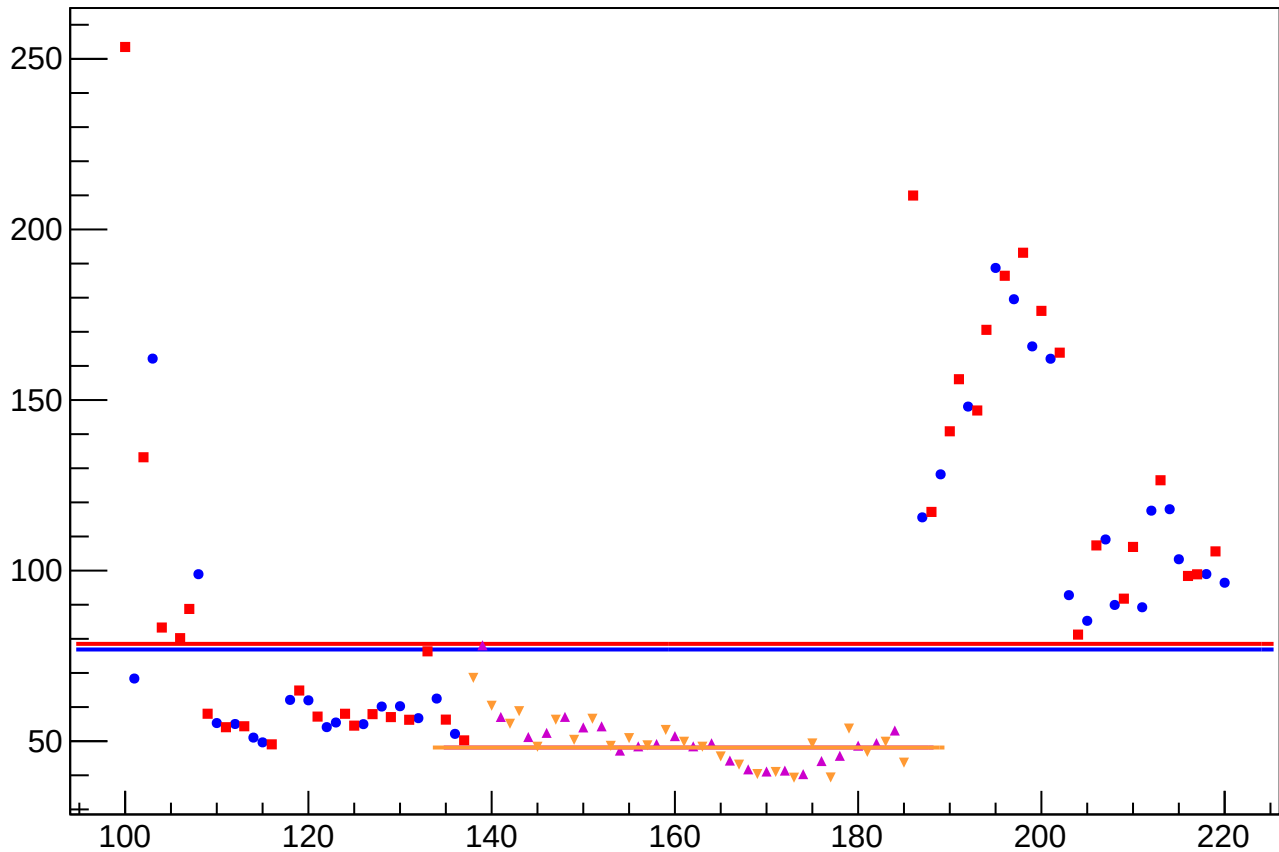
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -4.571 ± 9.760 χ^2/NDF : 96.6/58

All: -0.231 ± 6.986 χ^2/NDF : 168.1/118

- sign 4.329 ± 10.004 χ^2/NDF : 71.1/59

reg_asym_sam_37_dd_rms vs Slug



Right In: 76.876 $\pm$ 0.014 χ^2 /NDF: 5185004.8/33

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 78.527 $\pm$ 0.014 χ^2 /NDF: 5909298.8/36

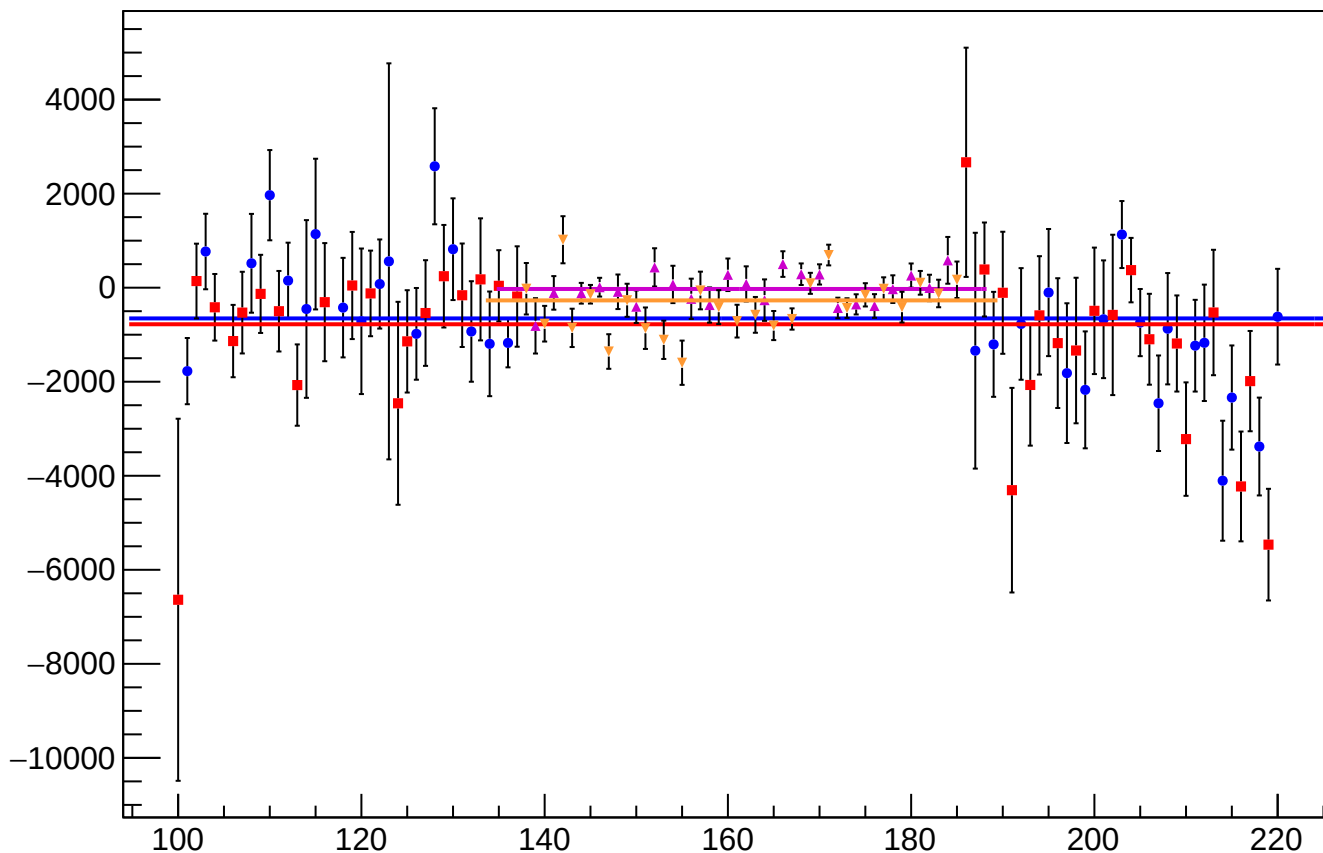
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 55.588 $\pm$ 0.007 χ^2 /NDF: 9168763.2/58

All: 55.845 $\pm$ 0.005 χ^2 /NDF: 19228009.0/118

- sign 56.116 $\pm$ 0.007 χ^2 /NDF: 10056400.7/59

asym_sam_37_dd_correction_mean vs Slug



Right In: -653.723 ± 174.662 $\chi^2/\text{NDF}: 56.6/33$

Left Out: -270.214 ± 60.177 $\chi^2/\text{NDF}: 70.1/24$

Right Out: -777.903 ± 174.289 $\chi^2/\text{NDF}: 52.7/36$

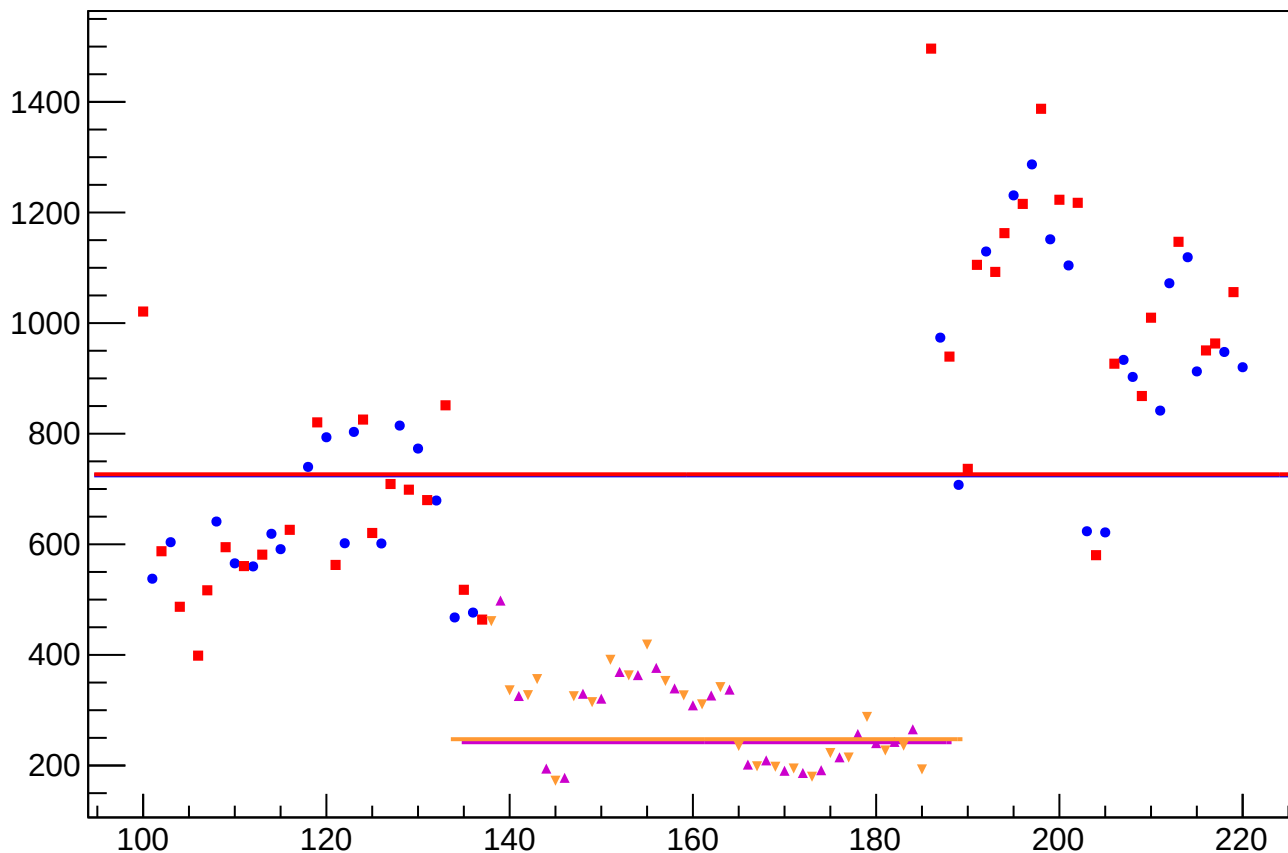
Left In: -27.271 ± 60.430 $\chi^2/\text{NDF}: 25.1/22$

+ sign -310.908 ± 56.895 $\chi^2/\text{NDF}: 131.0/58$

All: -209.724 ± 40.302 $\chi^2/\text{NDF}: 231.6/118$

- sign -107.826 ± 57.096 $\chi^2/\text{NDF}: 94.3/59$

asym_sam_37_dd_correction_rms vs Slug



Right In: 724.657 $\pm$ 0.124 χ^2 /NDF: 3059813.6/33

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 726.586 $\pm$ 0.123 χ^2 /NDF: 4030575.7/36

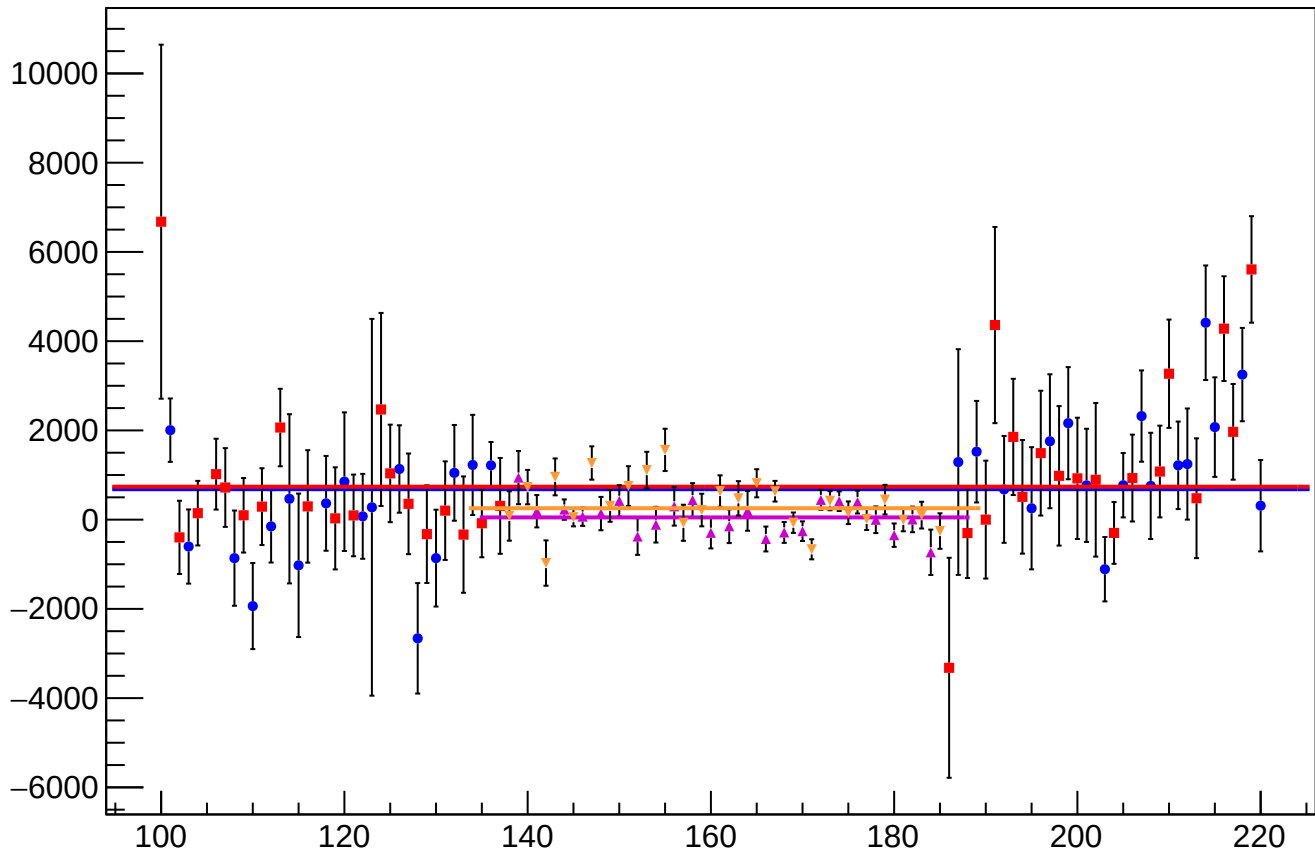
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 298.194 $\pm$ 0.040 χ^2 /NDF: 19179394.0/58

All: 296.158 $\pm$ 0.028 χ^2 /NDF: 39476078.1/11

- sign 294.108 $\pm$ 0.040 χ^2 /NDF: 20291545.1/59

asym_sam_37_dd_mean vs Slug



Right In: 682.399 ± 176.190 χ^2/NDF : 57.0/33

Left Out: 255.995 ± 61.418 χ^2/NDF : 63.6/24

Right Out: 738.155 ± 176.107 χ^2/NDF : 54.9/36

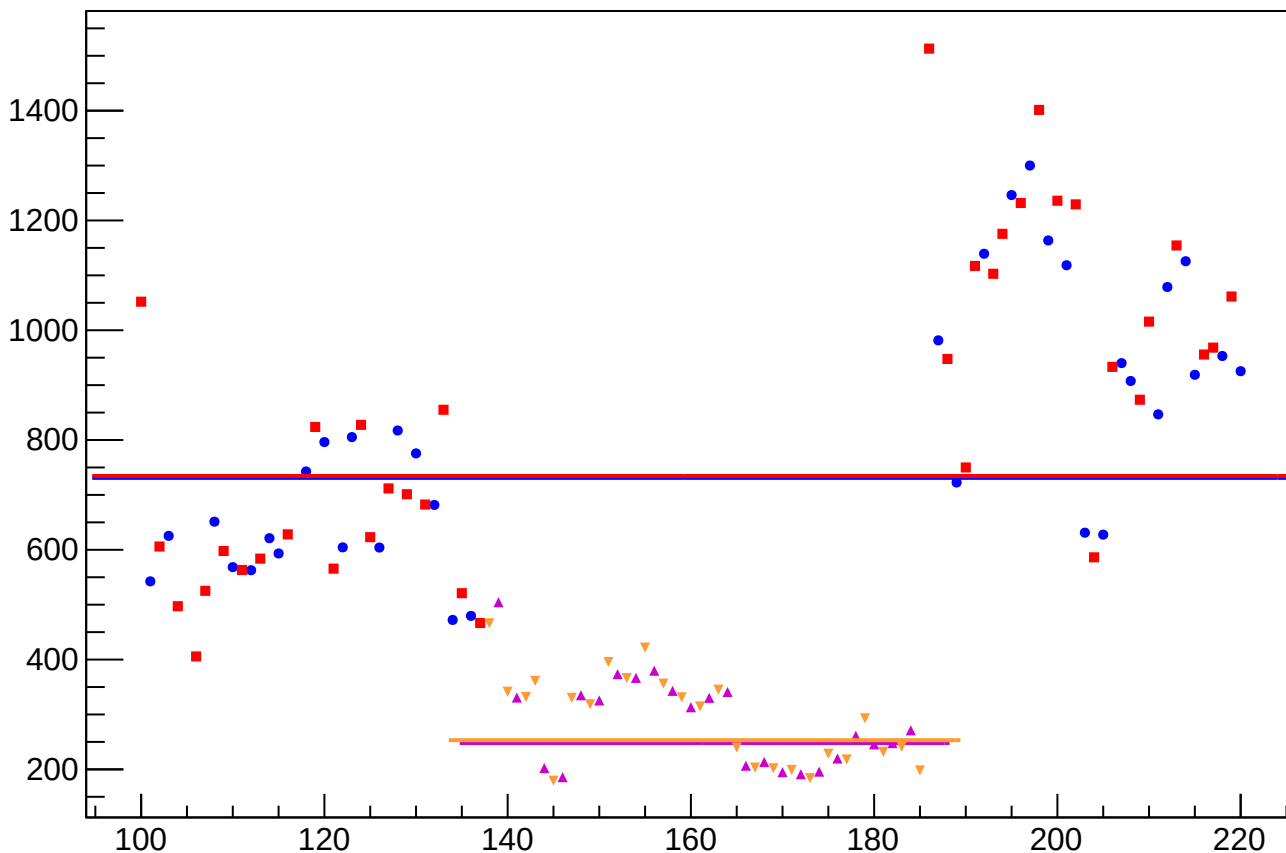
Left In: 49.832 ± 61.781 χ^2/NDF : 27.5/22

+ sign 302.196 ± 57.996 χ^2/NDF : 125.8/58

All: 214.189 ± 41.116 χ^2/NDF : 226.5/118

- sign 125.262 ± 58.298 χ^2/NDF : 96.0/59

asym_sam_37_dd_rms vs Slug



Right In: 731.117 $\pm$ 0.125 χ^2 /NDF: 3052644.5/33

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 734.462 $\pm$ 0.125 χ^2 /NDF: 3984694.5/36

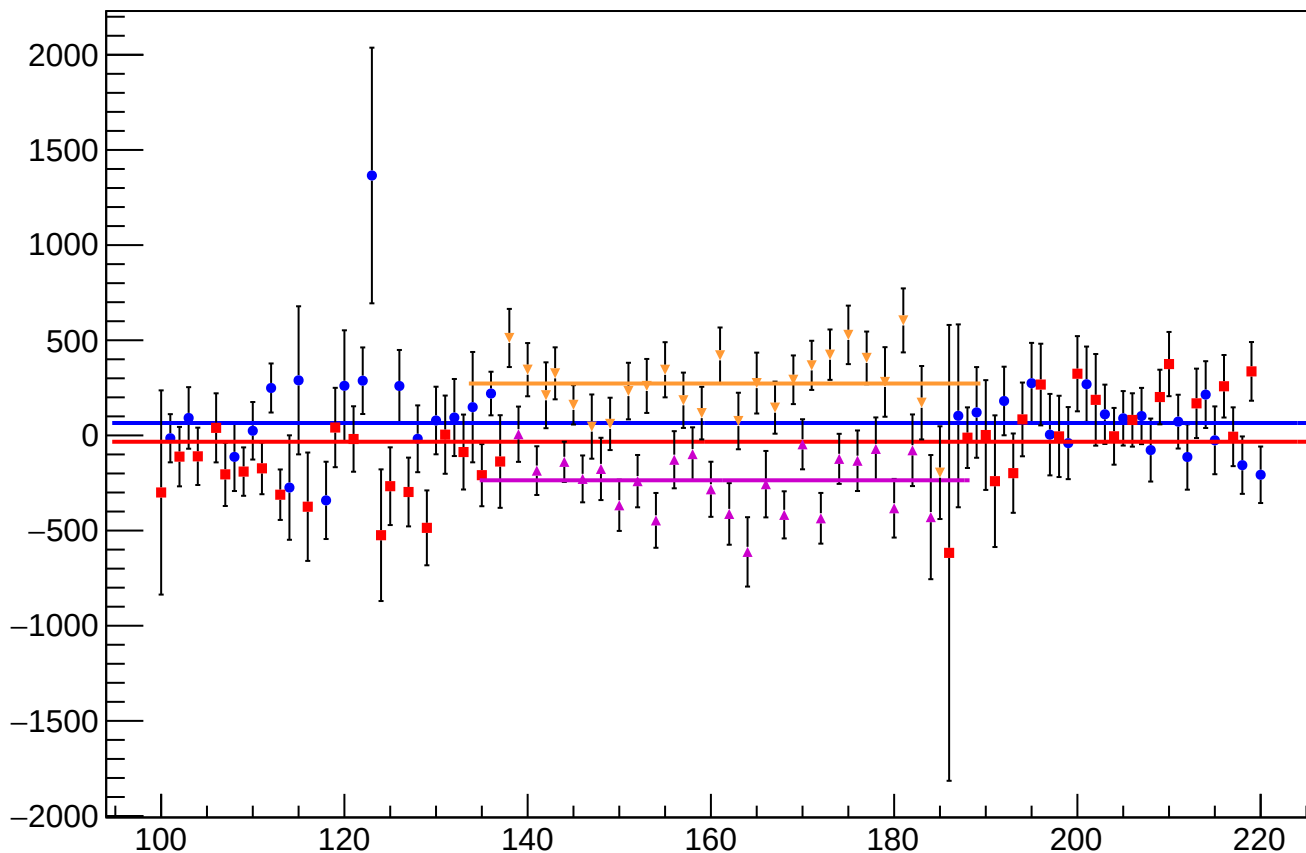
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 304.926 $\pm$ 0.041 χ^2 /NDF: 18843149.7/58

All: 303.157 $\pm$ 0.029 χ^2 /NDF: 38759456.2/11

- sign 301.370 $\pm$ 0.041 χ^2 /NDF: 19912566.3/59

reg_asym_sam_48_dd_mean vs Slug



Right In: 65.258 ± 30.278 $\chi^2/\text{NDF}: 29.8/33$

Left Out: 272.684 ± 29.221 $\chi^2/\text{NDF}: 27.4/24$

Right Out: -33.279 ± 29.924 $\chi^2/\text{NDF}: 49.8/36$

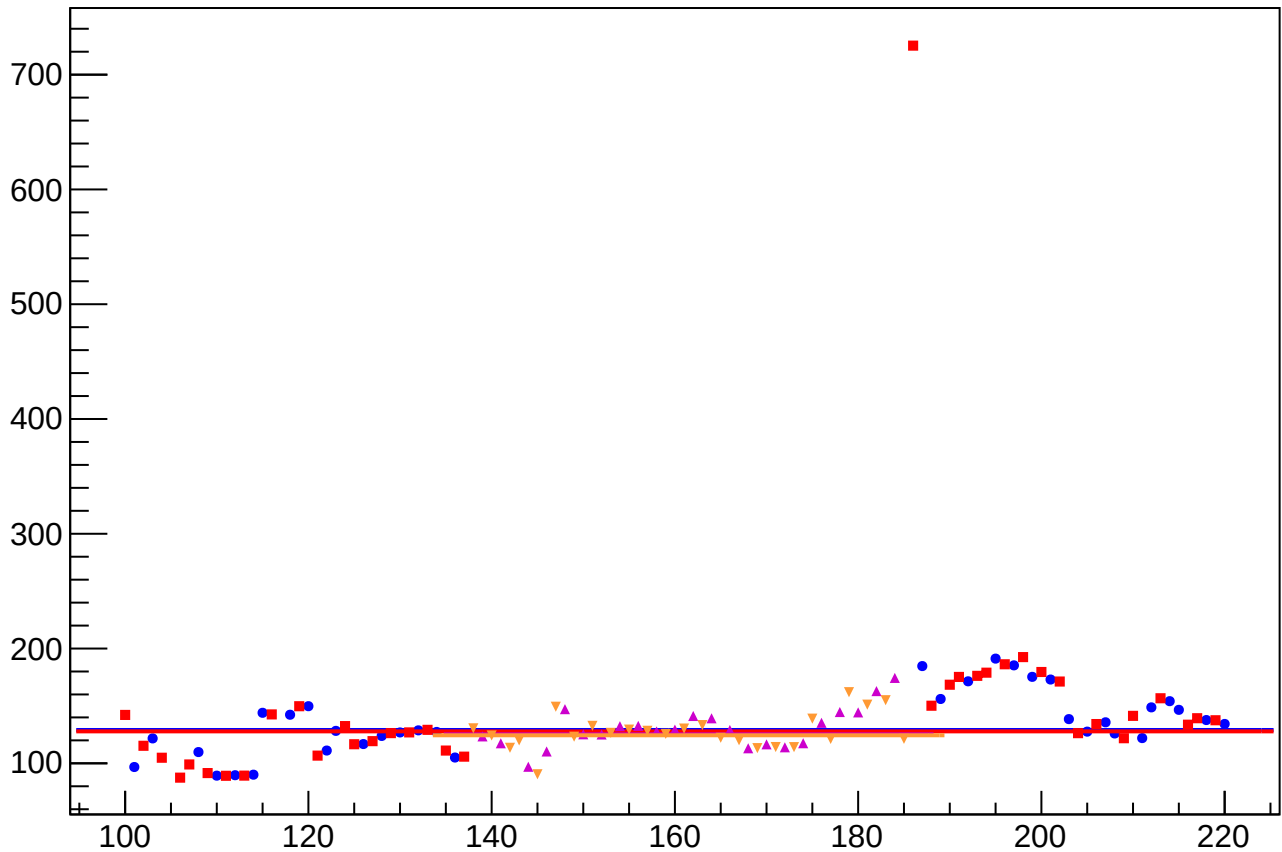
Left In: -235.801 ± 30.232 $\chi^2/\text{NDF}: 24.6/22$

+ sign 172.655 ± 21.026 $\chi^2/\text{NDF}: 81.5/58$

All: 21.320 ± 14.952 $\chi^2/\text{NDF}: 283.4/118$

- sign -133.503 ± 21.267 $\chi^2/\text{NDF}: 97.1/59$

reg_asym_sam_48_dd_rms vs Slug



Right In: 129.034 $\pm$ 0.021 χ^2 /NDF: 1468929.1/33

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 127.843 $\pm$ 0.021 χ^2 /NDF: 2307916.8/36

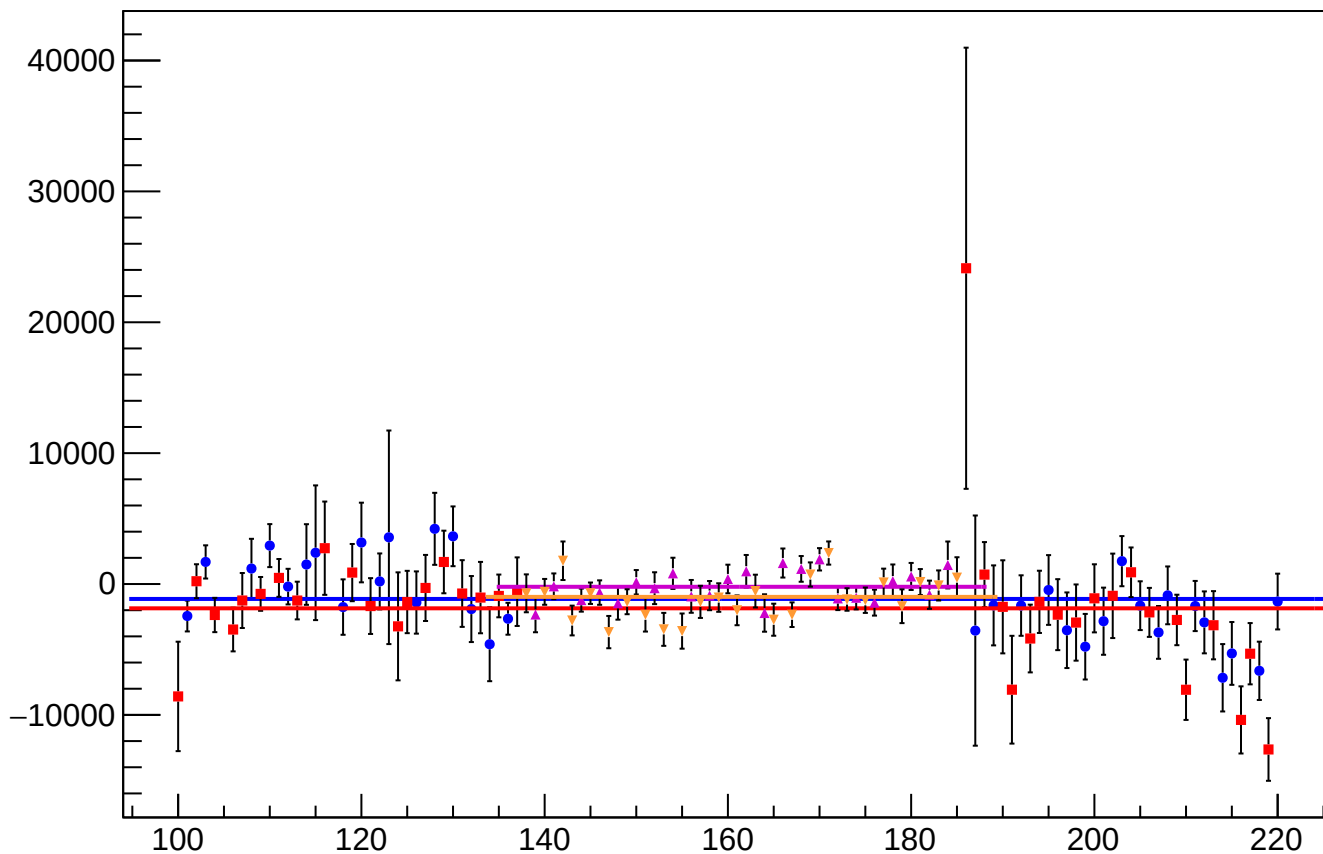
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 126.649 $\pm$ 0.015 χ^2 /NDF: 2032613.1/58

All: 126.594 $\pm$ 0.011 χ^2 /NDF: 4849636.2/118

- sign 126.537 $\pm$ 0.015 χ^2 /NDF: 2816995.0/59

asym_sam_48_dd_correction_mean vs Slug



Right In: -1139.748 ± 360.428 χ^2/NDF : 51.9/33

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1856.708 ± 352.031 χ^2/NDF : 66.9/36

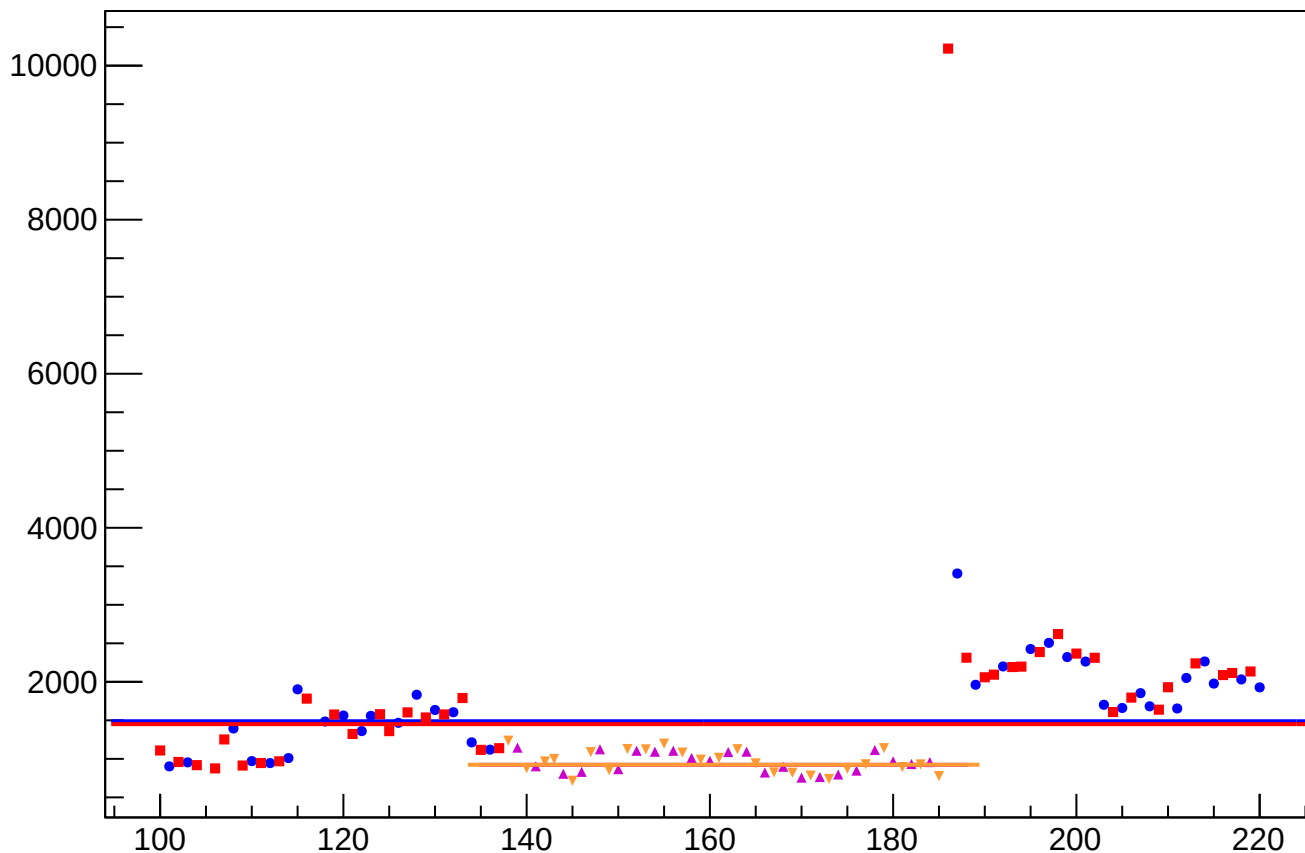
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -1024.872 ± 186.547 χ^2/NDF : 99.2/58

All: -856.004 ± 132.615 χ^2/NDF : 209.1/118

- sign -683.471 ± 188.562 χ^2/NDF : 108.2/59

asym_sam_48_dd_correction_rms vs Slug



Right In: 1488.204+/-0.255 χ^2/NDF : 3636200.3/33

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

+ sign 1074.837+/-0.132 χ^2/NDF : 8072181.2/58

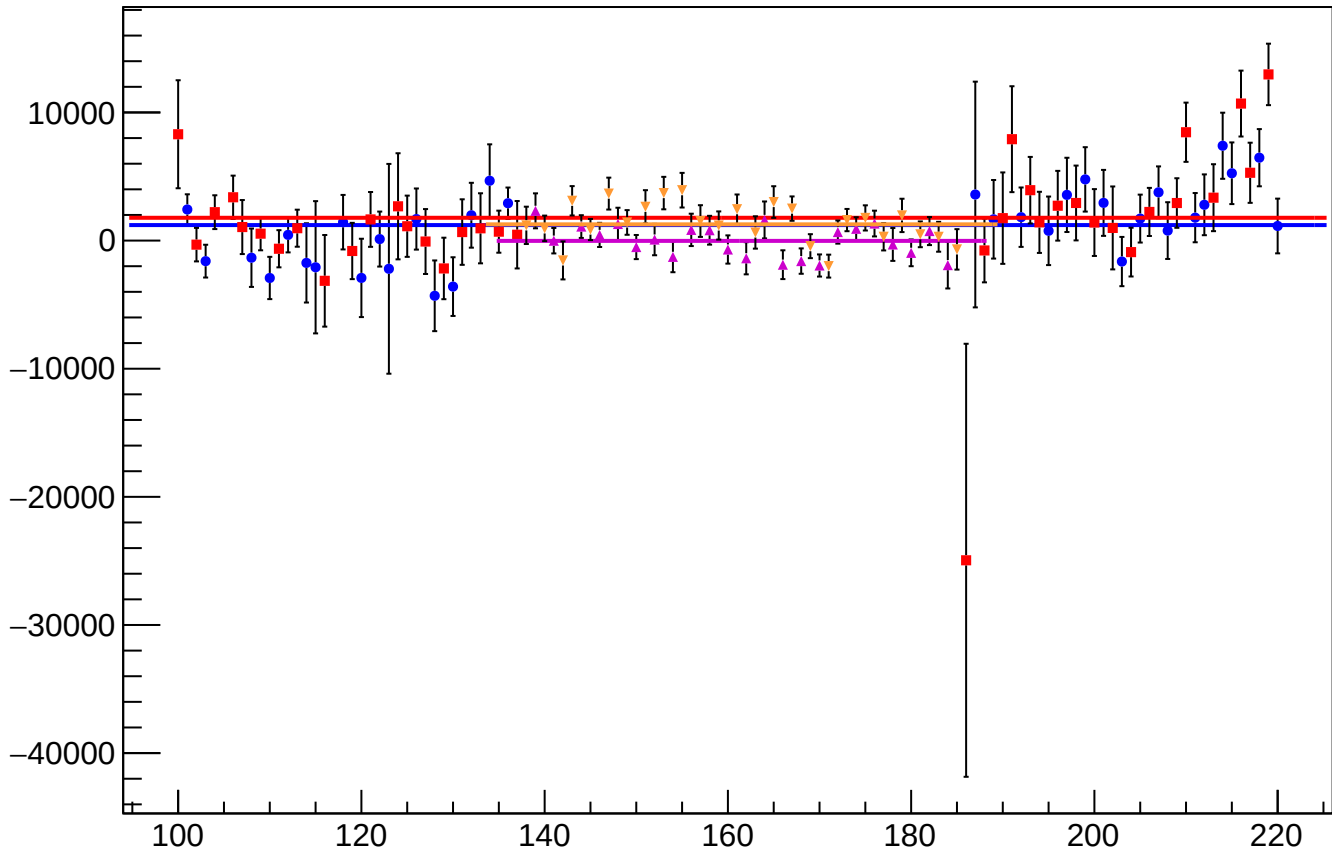
Right Out: 1450.559+/-0.249 χ^2/NDF : 4914742.8/36

All: 1074.336+/-0.094 χ^2/NDF : 16833824.9/100

Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

- sign 1073.824+/-0.133 χ^2/NDF : 8761614.5/59

asym_sam_48_dd_mean vs Slug



Right In: 1210.179+/-361.903 χ^2/NDF : 51.1/33

Left Out: 1267.344+/-220.133 χ^2/NDF : 44.9/24

Right Out: 1779.475+/-353.631 χ^2/NDF : 71.7/36

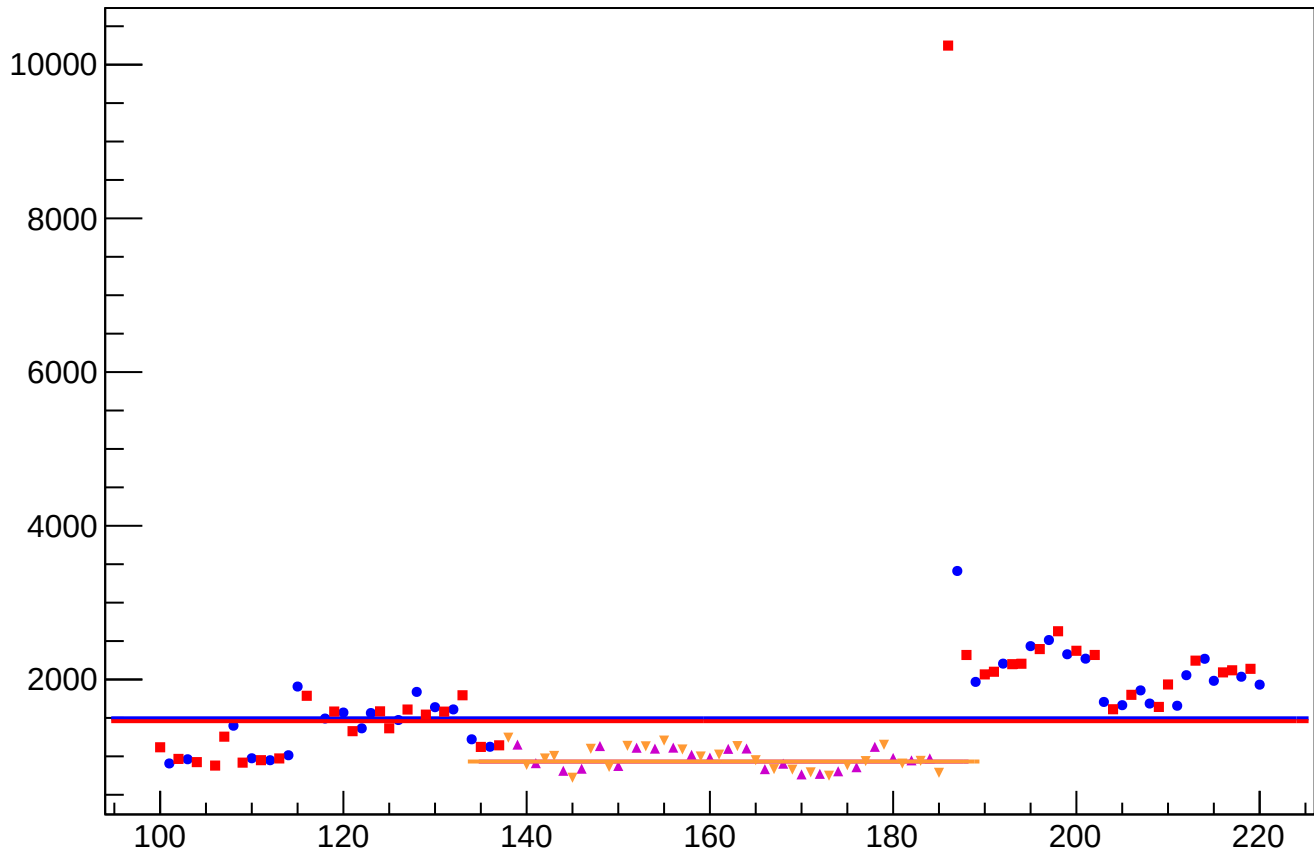
Left In: -23.478+/-225.490 χ^2/NDF : 27.2/22

+ sign 1251.905+/-188.073 χ^2/NDF : 96.1/58

All: 878.890+/-133.708 χ^2/NDF : 221.3/118

- sign 497.684+/-190.127 χ^2/NDF : 117.3/59

asym_sam_48_dd_rms vs Slug



Right In: 1494.884+/-0.256 χ^2/NDF : 3610663.5/33

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1457.679+/-0.250 χ^2/NDF : 4882896.7/36

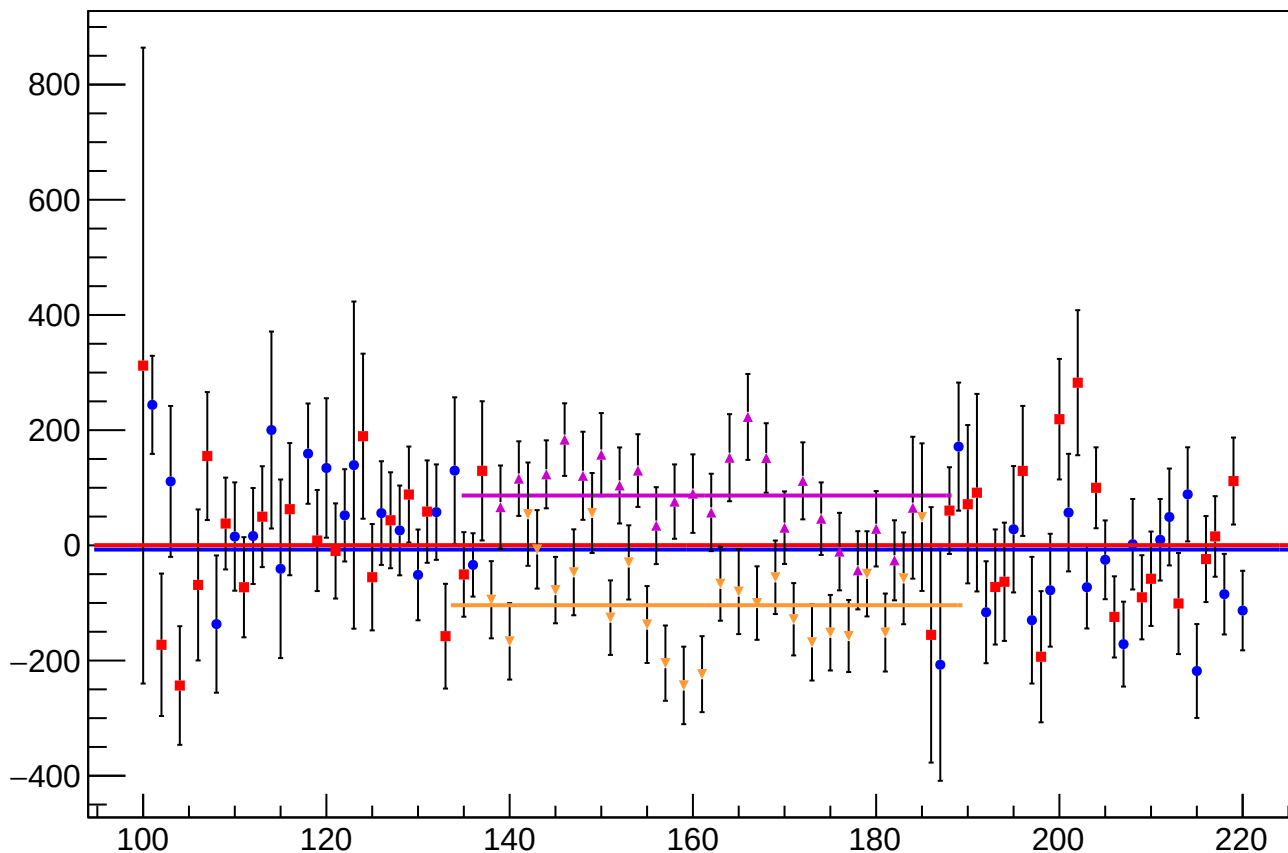
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1084.574+/-0.133 χ^2/NDF : 7962454.7/58

All: 1084.088+/-0.095 χ^2/NDF : 16617862.8/100

- sign 1083.592+/-0.134 χ^2/NDF : 8655381.1/59

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -7.284 ± 15.137 $\chi^2/\text{NDF}: 46.6/33$

Left Out: -103.899 ± 13.642 $\chi^2/\text{NDF}: 30.0/24$

Right Out: 0.356 ± 15.343 $\chi^2/\text{NDF}: 47.2/36$

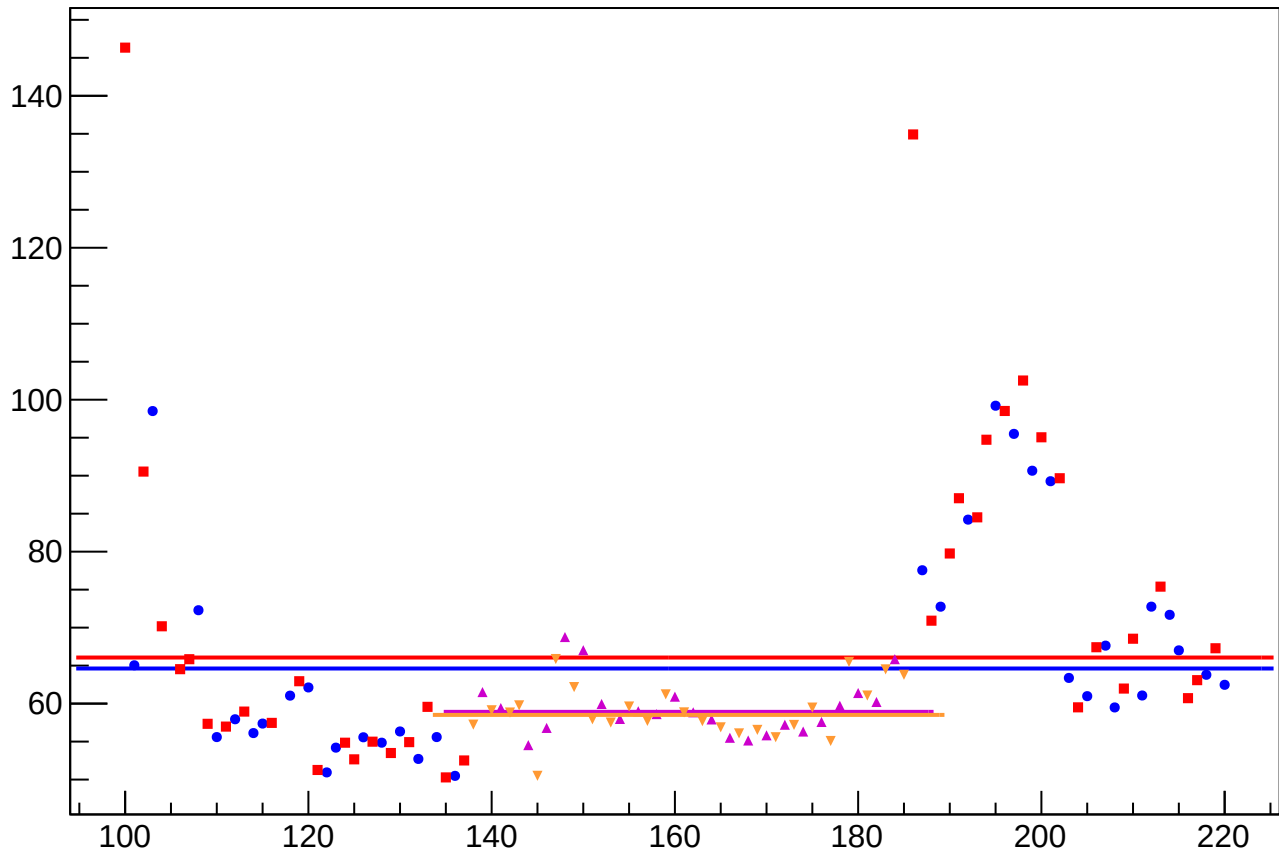
Left In: 86.542 ± 14.120 $\chi^2/\text{NDF}: 21.4/22$

+ sign -60.596 ± 10.134 $\chi^2/\text{NDF}: 99.0/58$

All: -8.130 ± 7.254 $\chi^2/\text{NDF}: 239.7/118$

- sign 47.019 ± 10.390 $\chi^2/\text{NDF}: 85.7/59$

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.620 $\pm$ 0.011 χ^2 /NDF: 1297401.3/33

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF: 123221.6/24

Right Out: 66.064 $\pm$ 0.011 χ^2 /NDF: 1687757.7/36

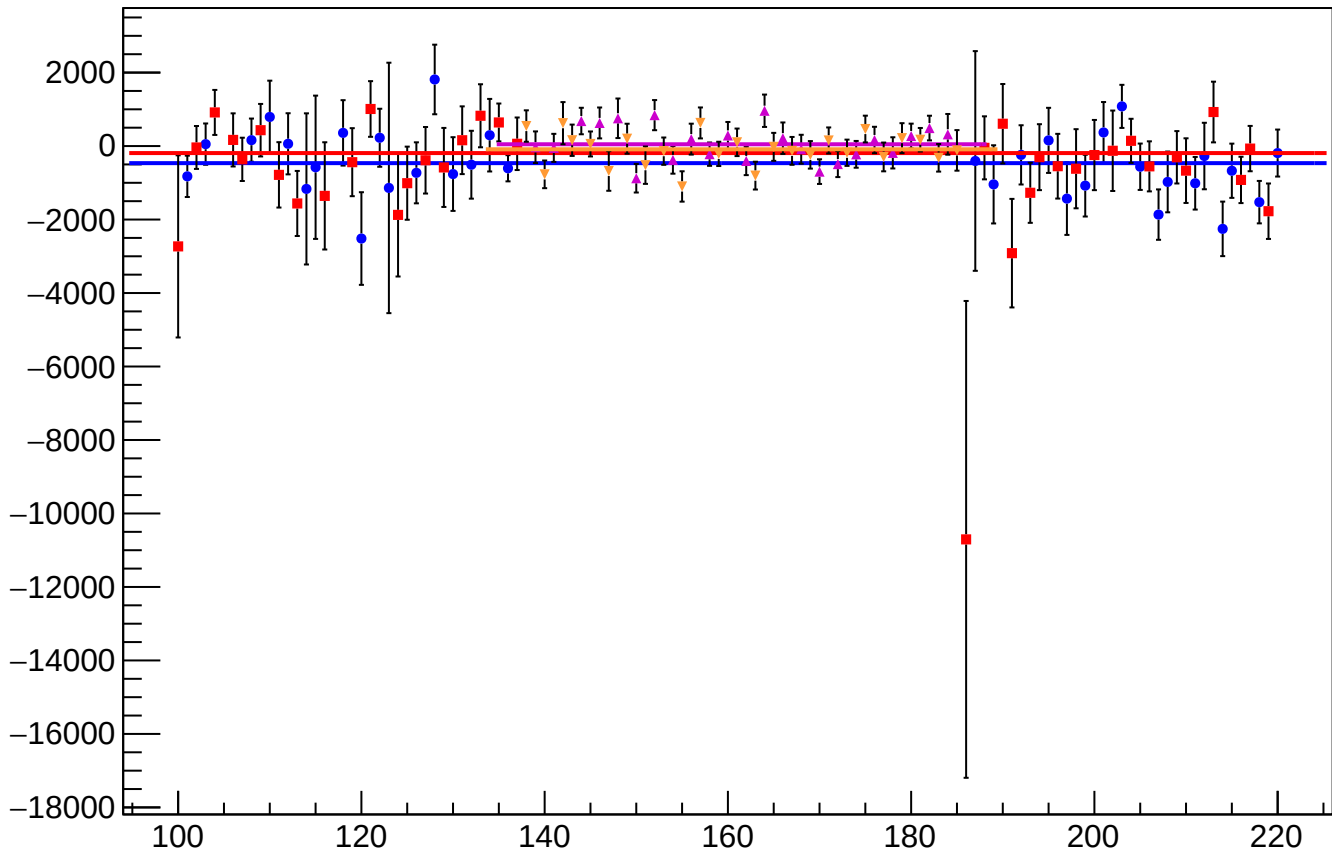
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF: 109968.0/22

+ sign 61.250 $\pm$ 0.007 χ^2 /NDF: 1600238.9/58

All: 61.709 $\pm$ 0.005 χ^2 /NDF: 3641594.2/118

- sign 62.192 $\pm$ 0.007 χ^2 /NDF: 2032922.3/59

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -464.800 ± 130.868 χ^2/NDF : 40.5/33

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -190.737 ± 133.374 χ^2/NDF : 34.9/36

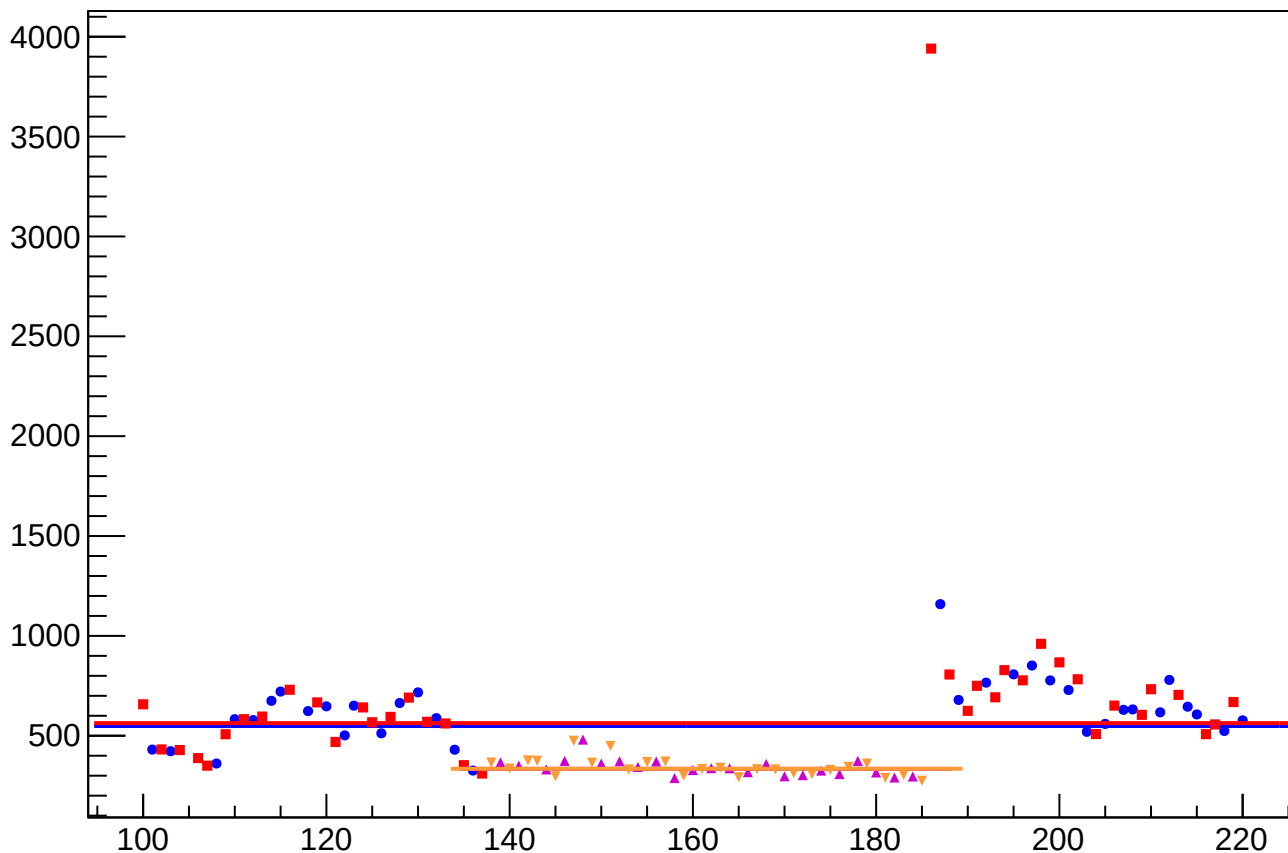
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -187.410 ± 67.353 χ^2/NDF : 74.4/58

All: -103.350 ± 48.180 χ^2/NDF : 150.2/118

- sign -15.259 ± 68.949 χ^2/NDF : 72.6/59

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 548.949 $\pm$ 0.093 χ^2 /NDF: 2476802.1/33

Left Out: 334.749 $\pm$ 0.056 χ^2 /NDF: 491370.4/24

Right Out: 563.125 $\pm$ 0.094 χ^2 /NDF: 3181943.9/36

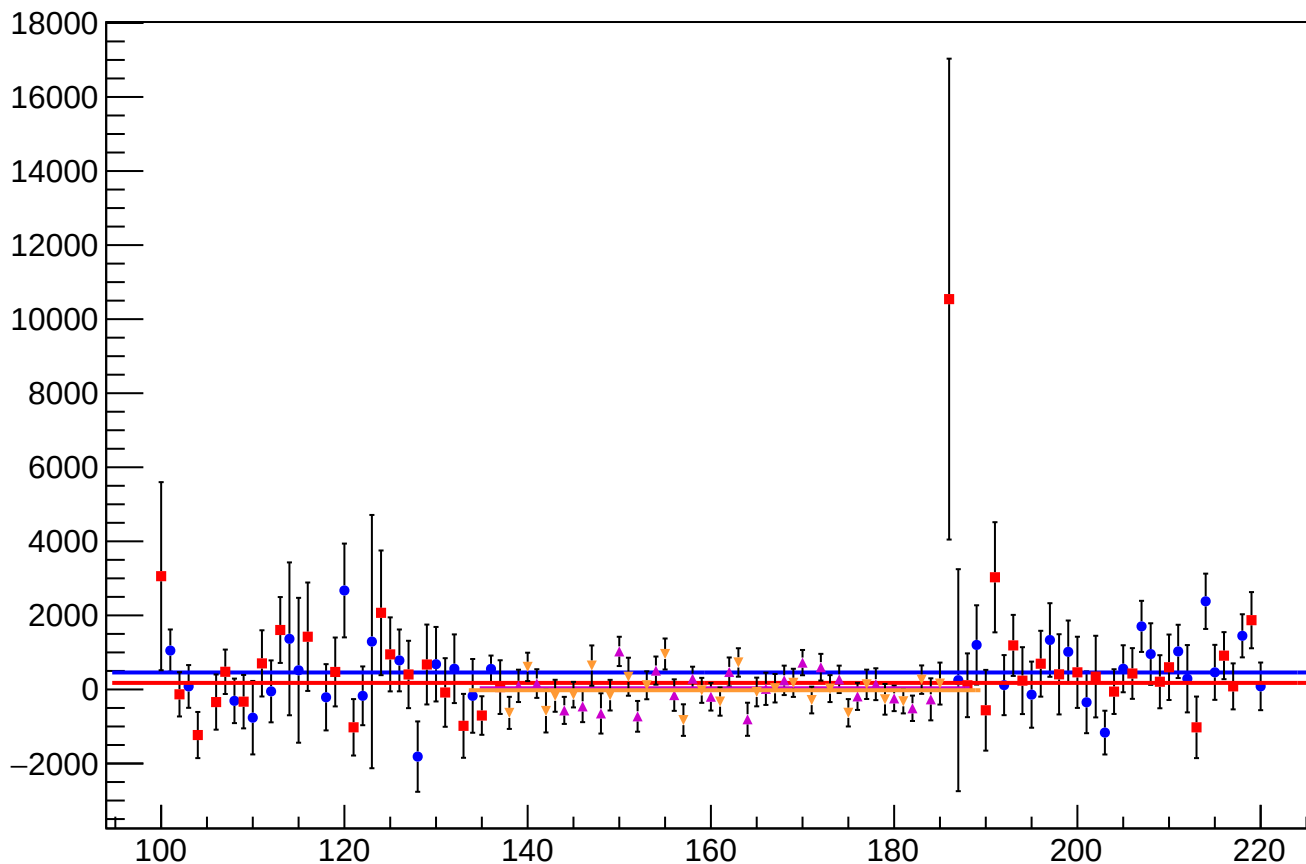
Left In: 334.147 $\pm$ 0.057 χ^2 /NDF: 397200.6/22

+ sign 391.487 $\pm$ 0.048 χ^2 /NDF: 6906938.6/58

All: 393.369 $\pm$ 0.034 χ^2 /NDF: 14808787.8/11

- sign 395.341 $\pm$ 0.049 χ^2 /NDF: 7898650.5/59

asym_sam_13_57_dd_mean vs Slug



Right In: 458.419 $\pm$ 132.066 χ^2 /NDF: 40.9/33

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: 176.972 $\pm$ 134.650 χ^2 /NDF: 38.7/36

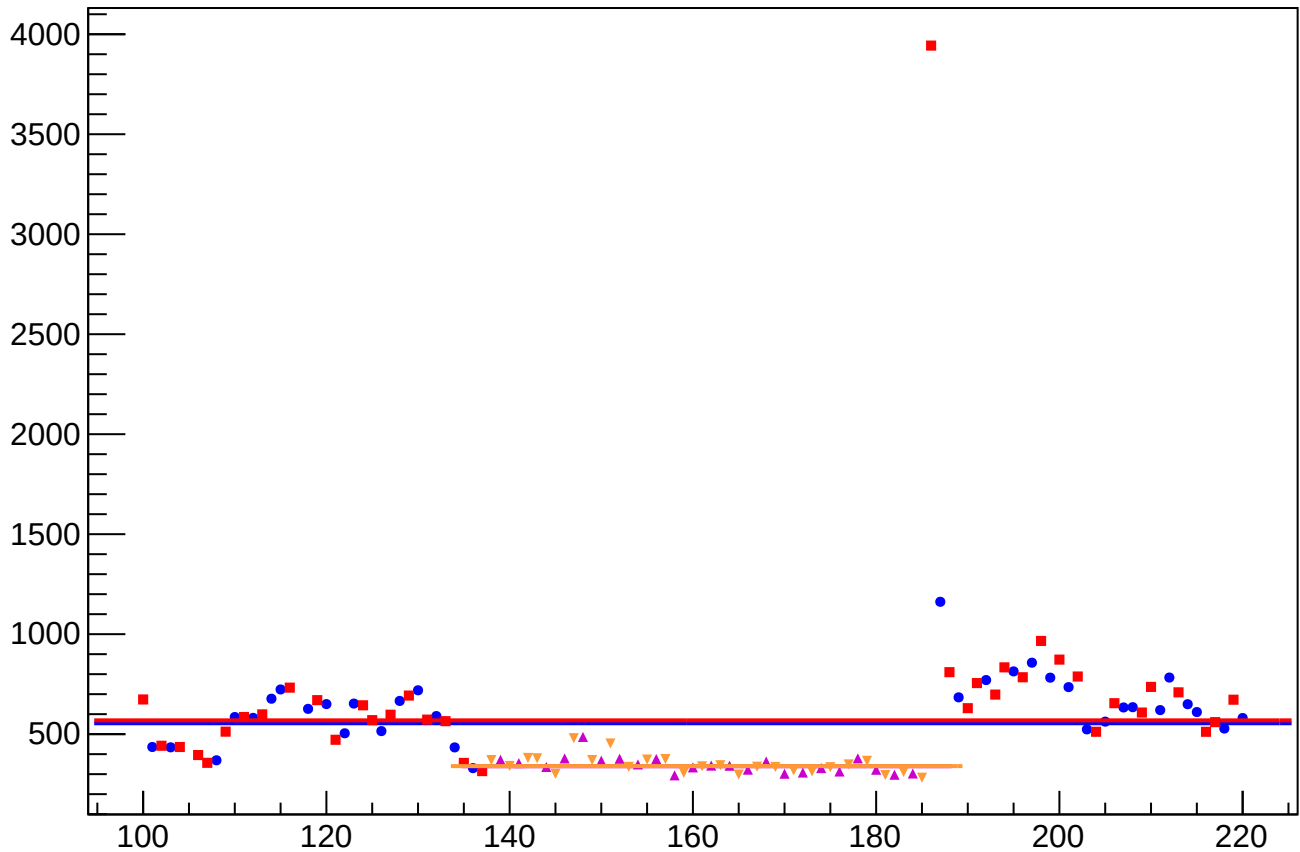
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 107.329 $\pm$ 68.307 χ^2 /NDF: 77.7/58

All: 89.574 $\pm$ 48.866 χ^2 /NDF: 151.4/118

- sign 70.961 $\pm$ 69.935 χ^2 /NDF: 73.6/59

asym_sam_13_57_dd_rms vs Slug



Right In: 554.558 $\pm$ 0.093 χ^2 /NDF: 2407746.8/33

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 569.046 $\pm$ 0.095 χ^2 /NDF: 3109690.3/36

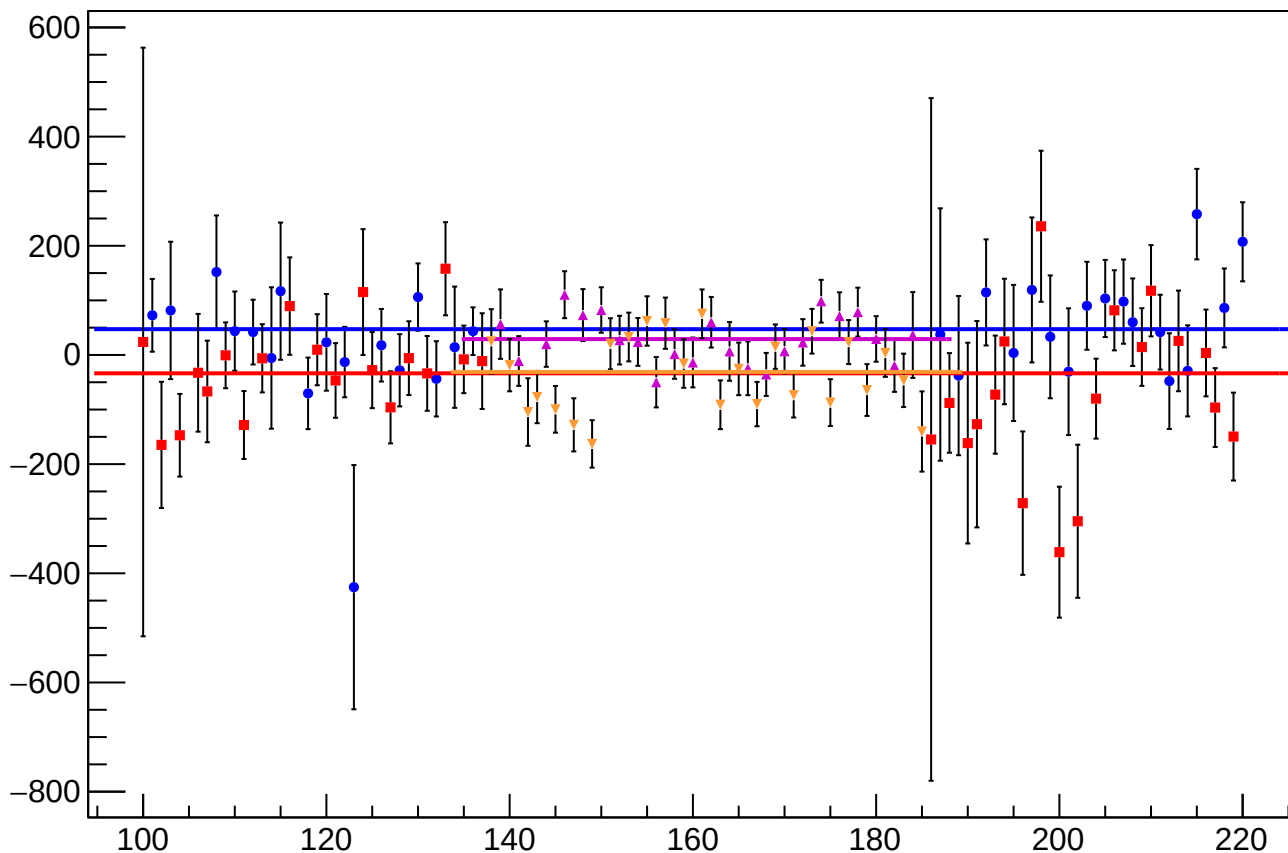
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 397.572 $\pm$ 0.048 χ^2 /NDF: 6734714.3/58

All: 399.495 $\pm$ 0.035 χ^2 /NDF: 14467405.1/11

- sign 401.510 $\pm$ 0.049 χ^2 /NDF: 7729444.7/59

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 47.246 ± 13.777 χ^2/NDF : 31.3/33

Left Out: -31.063 ± 9.170 χ^2/NDF : 52.6/24

Right Out: -33.631 ± 13.873 χ^2/NDF : 46.7/36

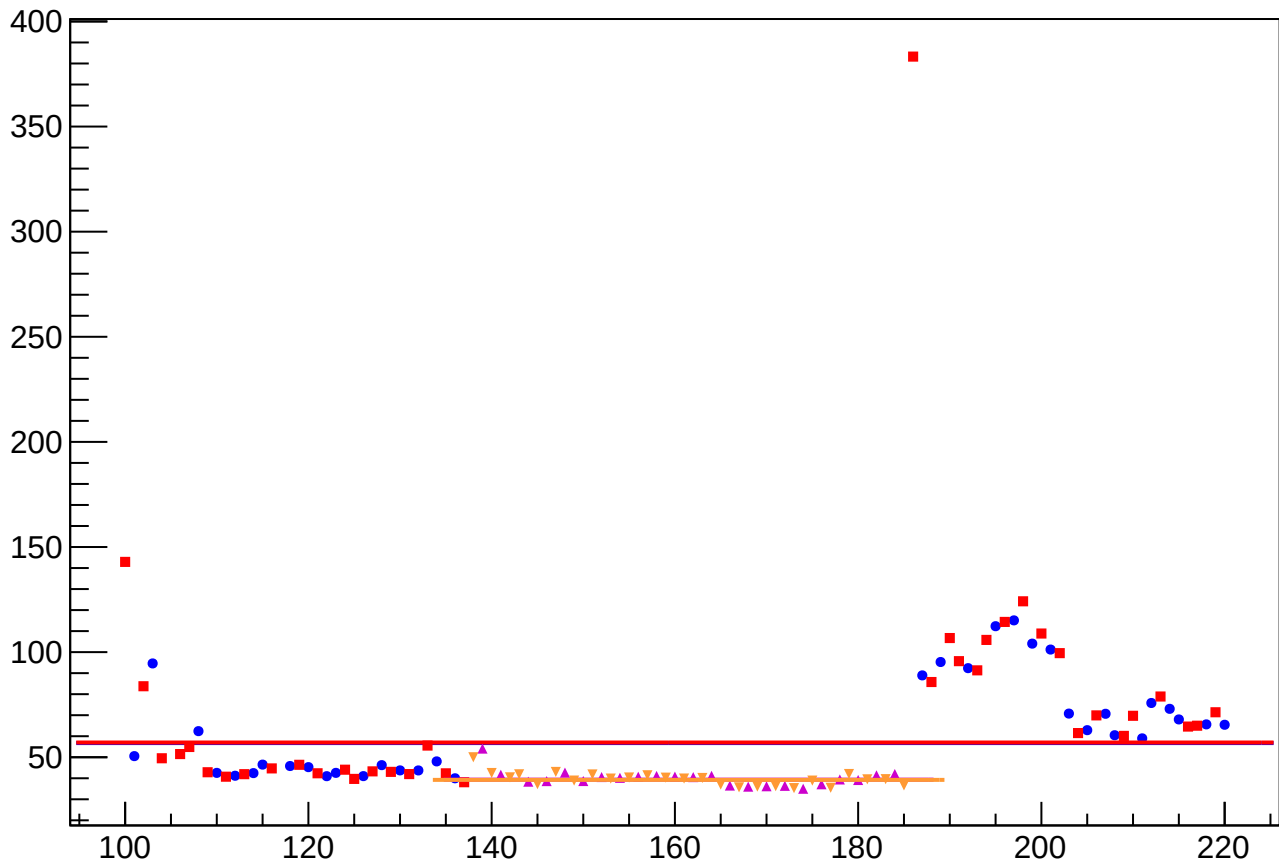
Left In: 29.055 ± 9.449 χ^2/NDF : 22.4/22

+ sign -7.022 ± 7.633 χ^2/NDF : 106.3/58

All: 0.898 ± 5.459 χ^2/NDF : 191.6/118

- sign 9.189 ± 7.810 χ^2/NDF : 83.1/59

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 56.737 $\pm$ 0.010 χ^2 /NDF: 3592275.6/33

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 57.008 $\pm$ 0.010 χ^2 /NDF: 4634800.3/36

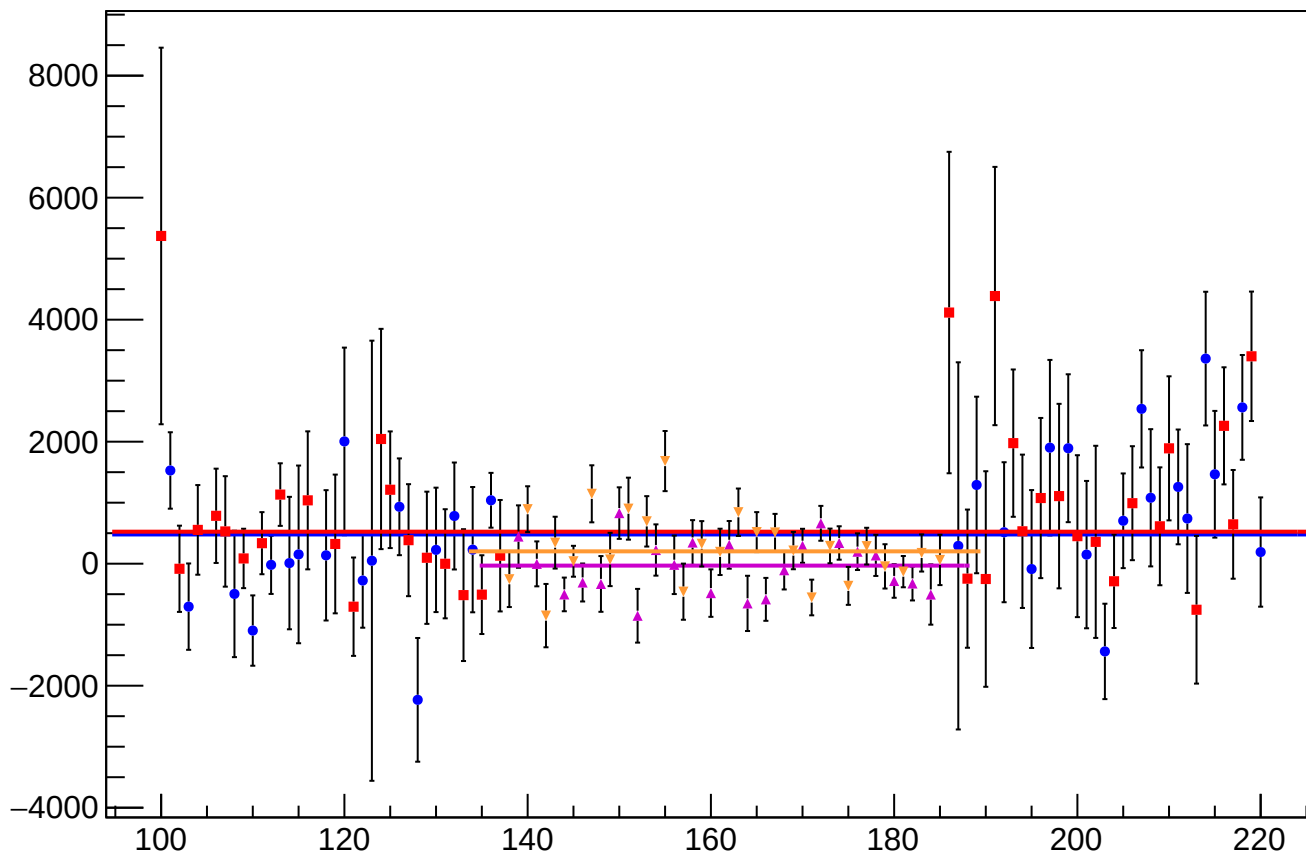
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 44.608 $\pm$ 0.005 χ^2 /NDF: 6031050.6/58

All: 44.769 $\pm$ 0.004 χ^2 /NDF: 13099619.1/118

- sign 44.938 $\pm$ 0.006 χ^2 /NDF: 7066740.6/59

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 479.132 ± 152.306 χ^2/NDF : 55.0/33

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 524.734 ± 150.249 χ^2/NDF : 35.8/36

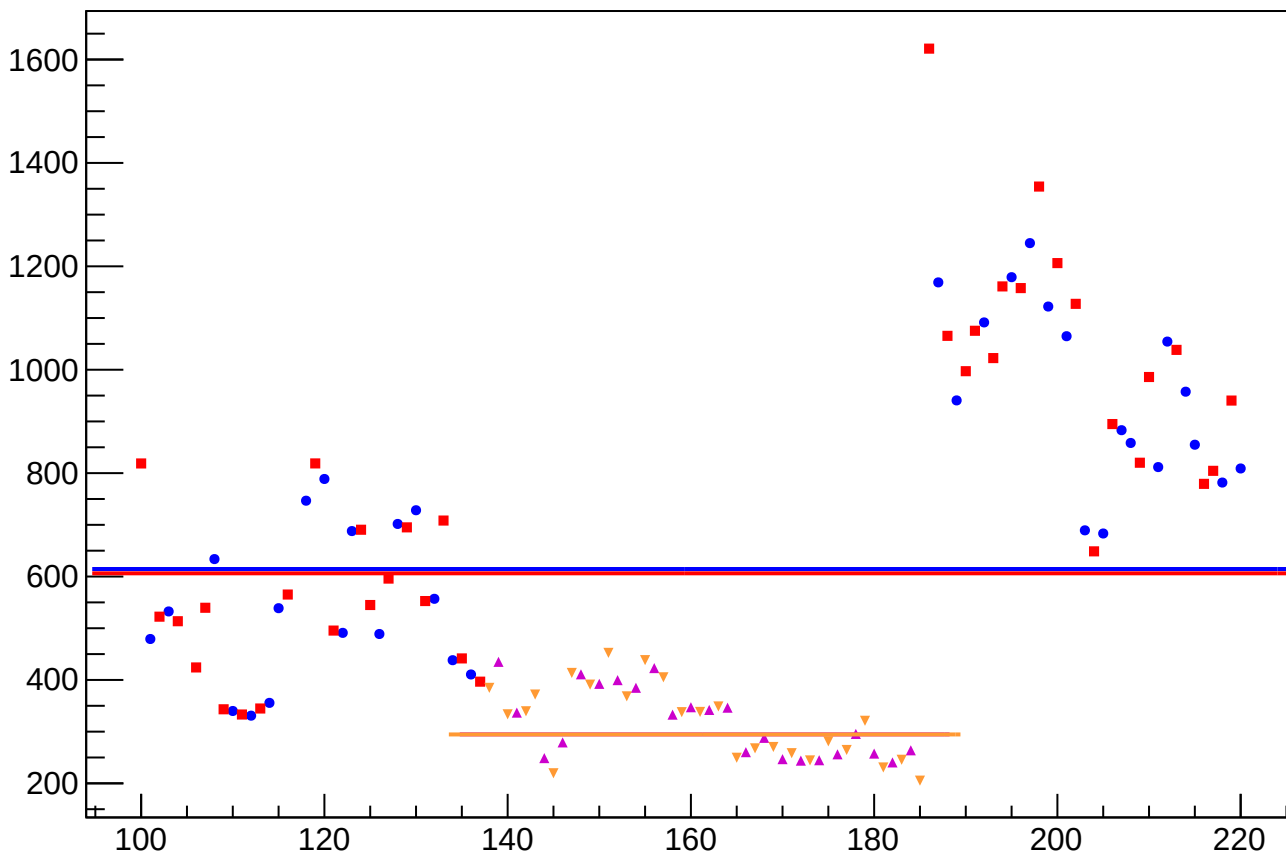
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 251.121 ± 63.923 χ^2/NDF : 102.6/58

All: 163.343 ± 45.577 χ^2/NDF : 186.7/118

- sign 72.573 ± 65.003 χ^2/NDF : 80.3/59

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 614.570 $\pm$ 0.108 χ^2 /NDF: 5093483.9/33

Left Out: 294.591 $\pm$ 0.050 χ^2 /NDF:1680474.5/24

Right Out: 606.236 $\pm$ 0.106 χ^2 /NDF: 6306200.5/36

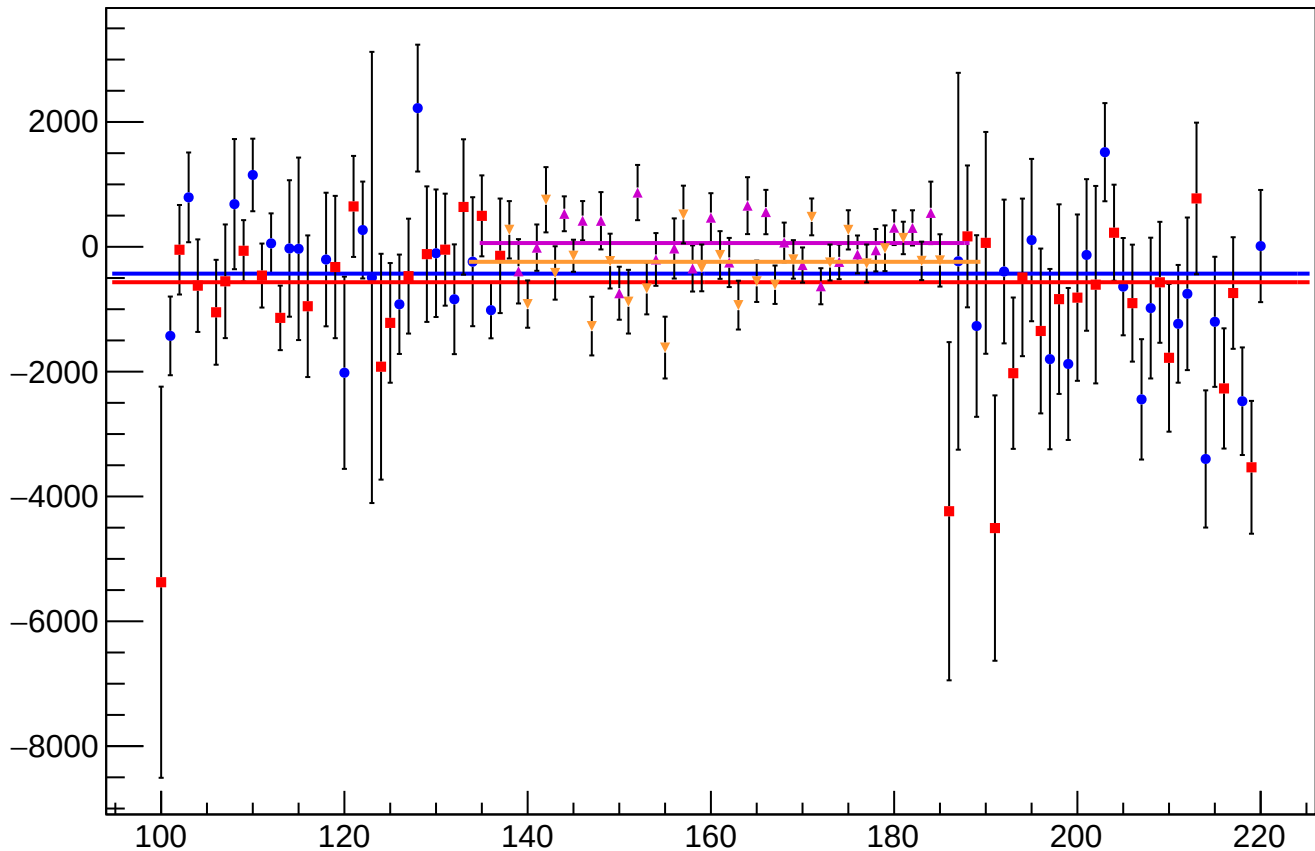
Left In: 294.722 $\pm$ 0.051 χ^2 /NDF:1297310.3/22

+ sign 350.956 $\pm$ 0.045 χ^2 /NDF: 14046543.8/58

All: 351.975 $\pm$ 0.032 χ^2 /NDF: 28639198.3/11

- sign 353.029 $\pm$ 0.046 χ^2 /NDF: 14591619.8/59

asym_sam_15_37_dd_mean vs Slug



Right In: -429.856 ± 153.128 χ^2/NDF : 54.5/33

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -567.422 ± 151.531 χ^2/NDF : 35.7/36

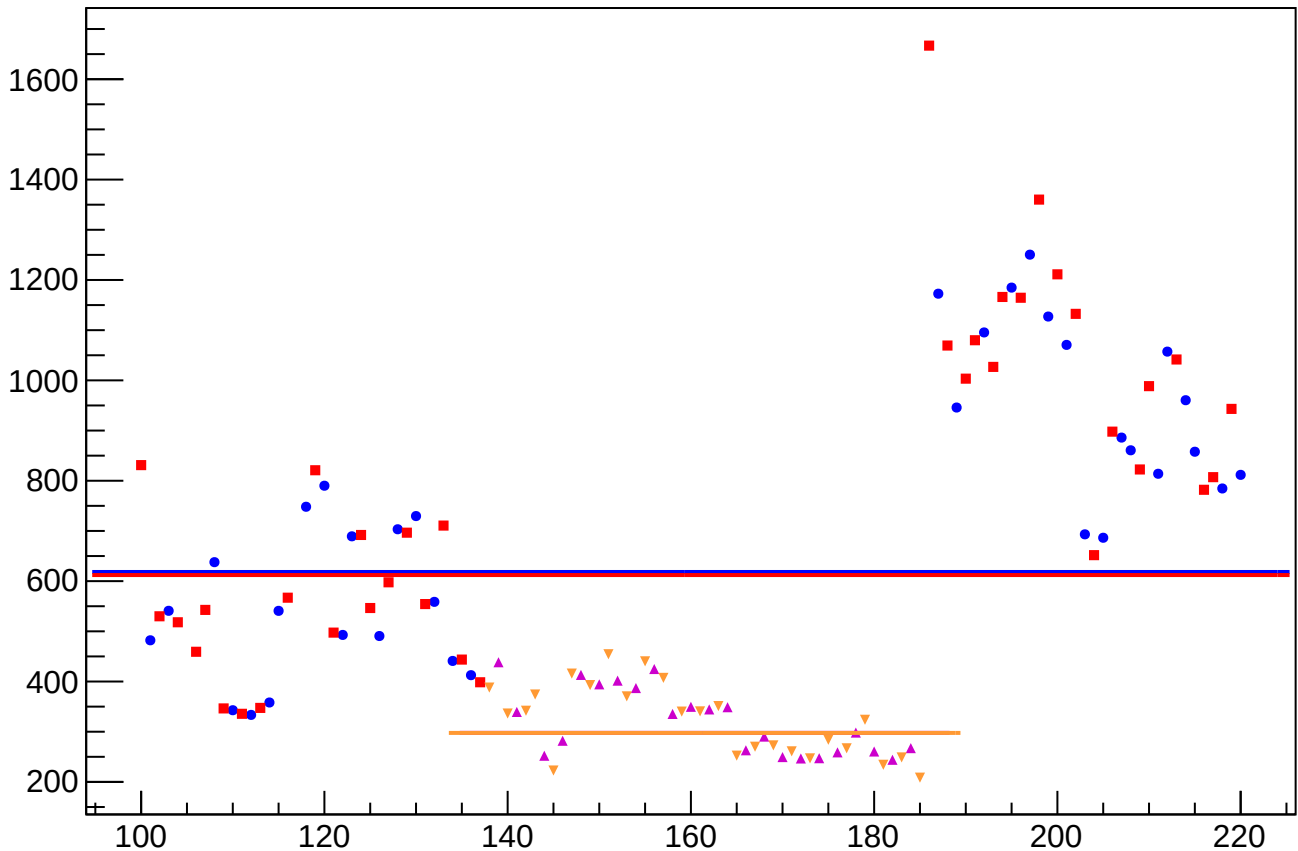
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -273.966 ± 64.488 χ^2/NDF : 98.7/58

All: -167.533 ± 45.992 χ^2/NDF : 184.7/118

- sign -57.360 ± 65.611 χ^2/NDF : 80.5/59

asym_sam_15_37_dd_rms vs Slug



Right In: 618.232 $\pm$ 0.108 χ^2 /NDF: 5059048.5/33

Left Out: 297.613 $\pm$ 0.050 χ^2 /NDF: 1637757.8/24

Right Out: 612.130 $\pm$ 0.107 χ^2 /NDF: 6225842.4/36

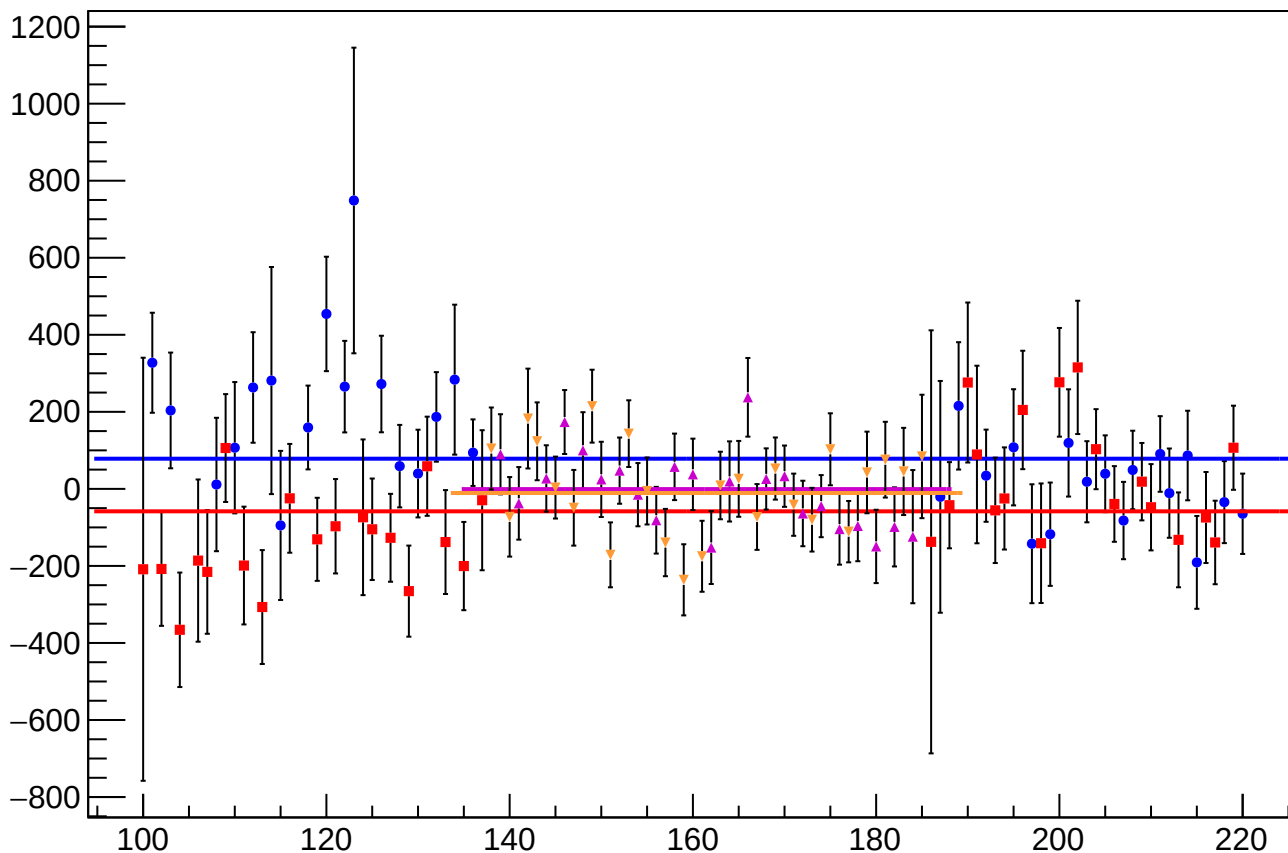
Left In: 297.699 $\pm$ 0.051 χ^2 /NDF: 1266306.2/22

+ sign 354.476 $\pm$ 0.046 χ^2 /NDF: 13909713.3/58

All: 355.543 $\pm$ 0.033 χ^2 /NDF: 28399934.9/11

- sign 356.648 $\pm$ 0.046 χ^2 /NDF: 14489107.2/59

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 78.330 $\pm$ 21.689 χ^2 /NDF: 41.3/33

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF: 36.3/24

Right Out: -58.254 $\pm$ 22.168 χ^2 /NDF: 41.6/36

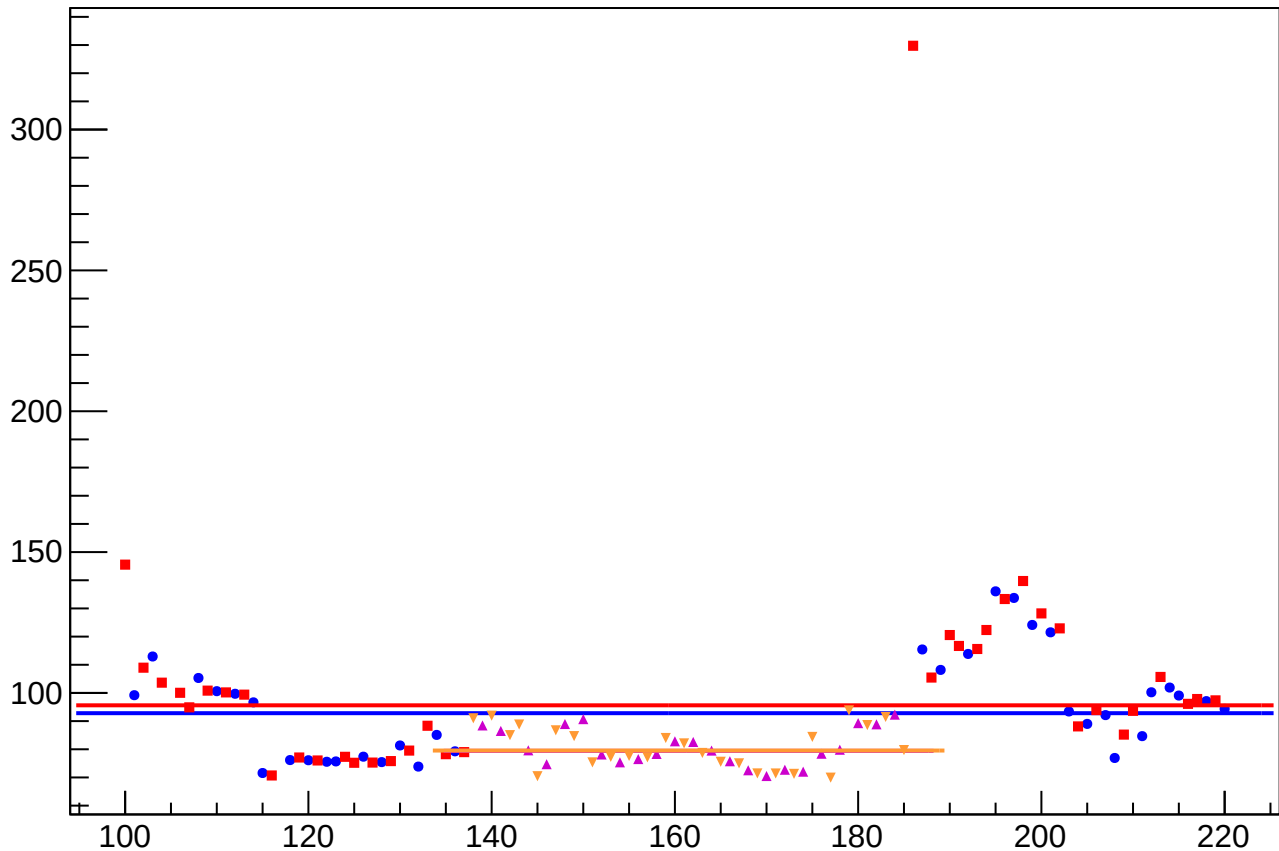
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF: 23.8/22

+ sign 27.071 $\pm$ 14.123 χ^2 /NDF: 87.3/58

All: 1.593 $\pm$ 10.106 χ^2 /NDF: 163.2/118

- sign -25.137 $\pm$ 14.466 χ^2 /NDF: 69.2/59

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 92.815+/-0.015 χ^2/NDF : 1095618.1/33

Left Out: 79.551+/-0.013 χ^2/NDF : 309075.2/24

Right Out: 95.608+/-0.016 χ^2/NDF : 1536787.7/36

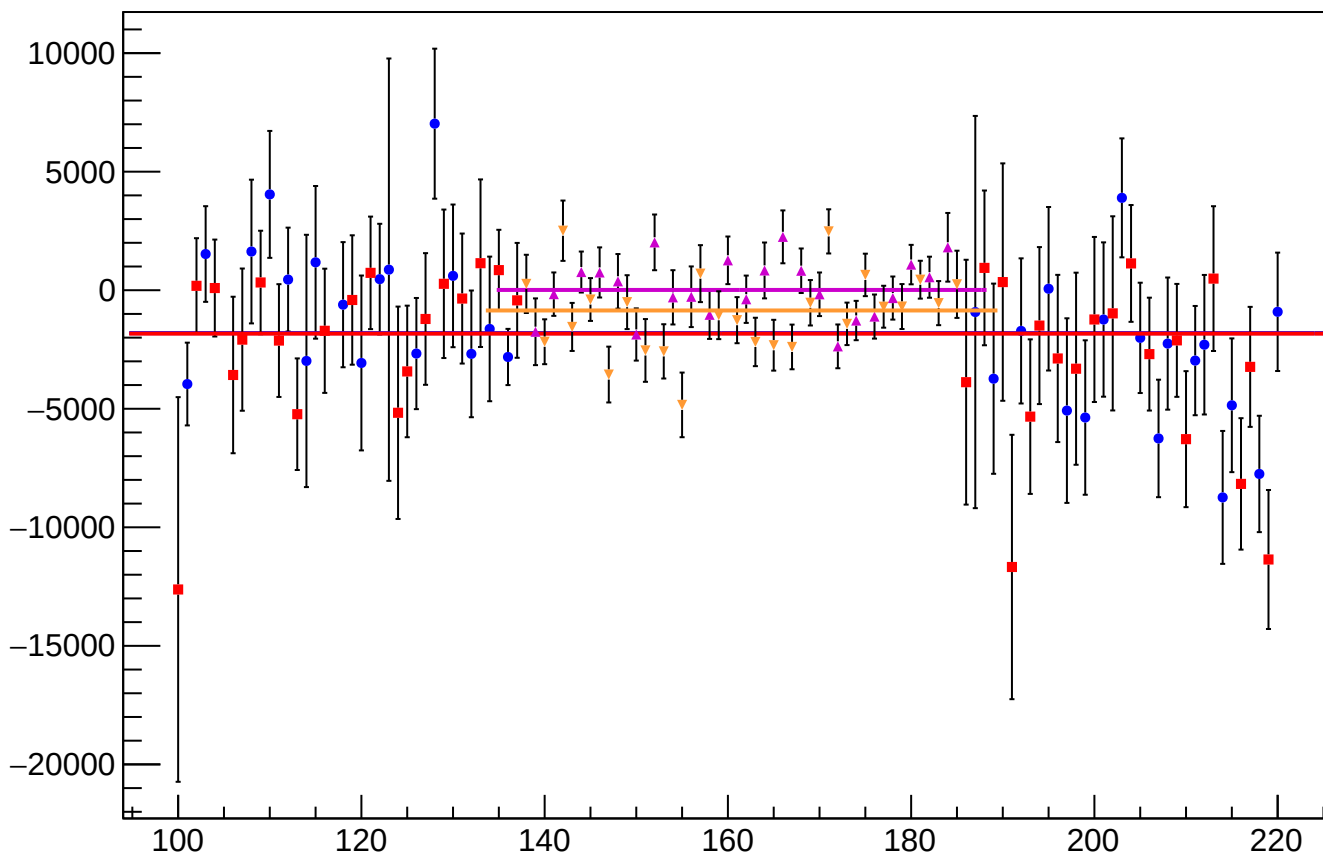
Left In: 79.436+/-0.013 χ^2/NDF : 212440.1/22

+ sign 85.175+/-0.010 χ^2/NDF : 1835504.1/58

All: 85.735+/-0.007 χ^2/NDF : 4202270.1/118

- sign 86.323+/-0.010 χ^2/NDF : 2360321.1/59

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1809.722 ± 448.665 χ^2/NDF : 47.5/33

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1830.561 ± 461.645 χ^2/NDF : 40.0/36

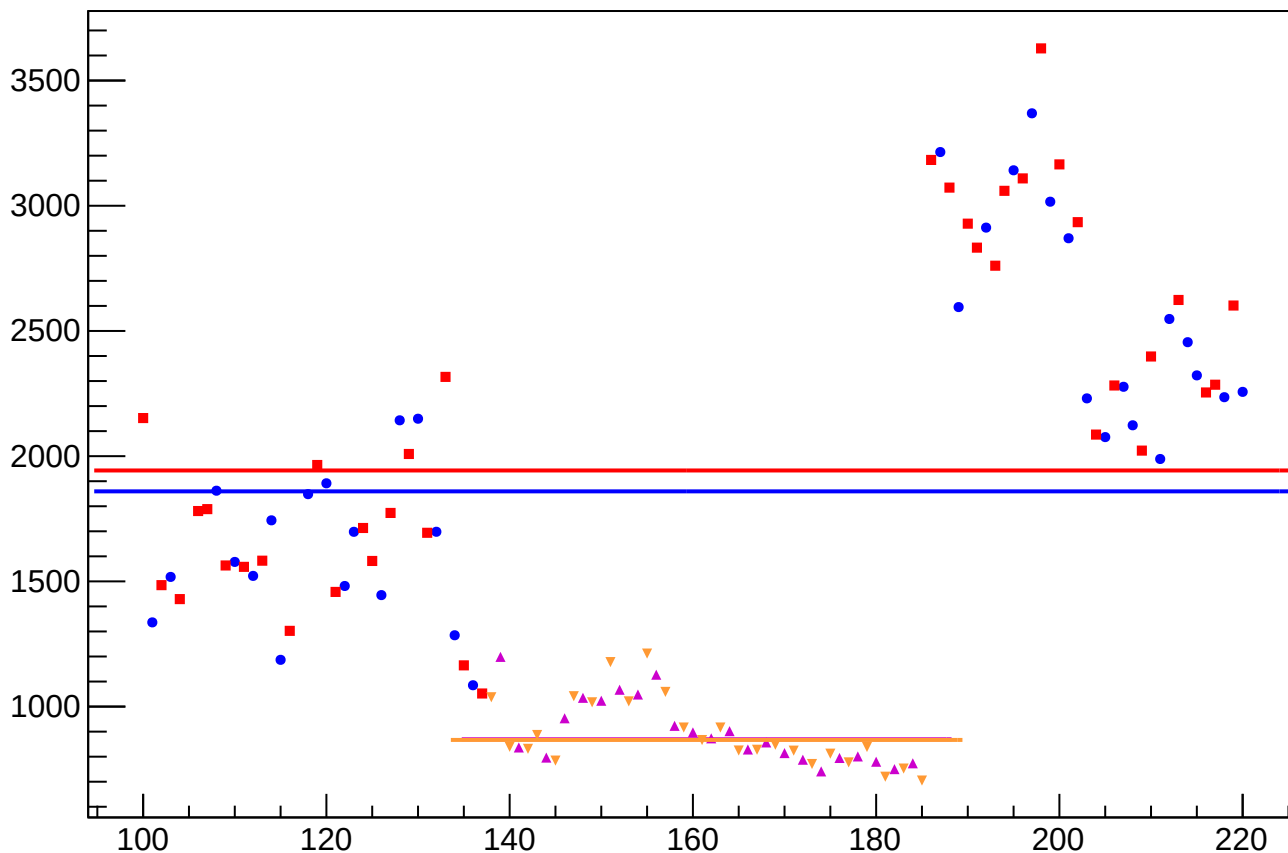
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -1017.960 ± 185.773 χ^2/NDF : 107.2/58

All: -671.439 ± 133.241 χ^2/NDF : 198.8/118

- sign -304.351 ± 191.207 χ^2/NDF : 84.4/59

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1859.472 $\pm$ 0.317 χ^2/NDF : 3350175.7/33

Left Out: 866.893 $\pm$ 0.144 χ^2/NDF : 661712.5/24

Right Out: 1942.895 $\pm$ 0.326 χ^2/NDF : 3508152.8/36

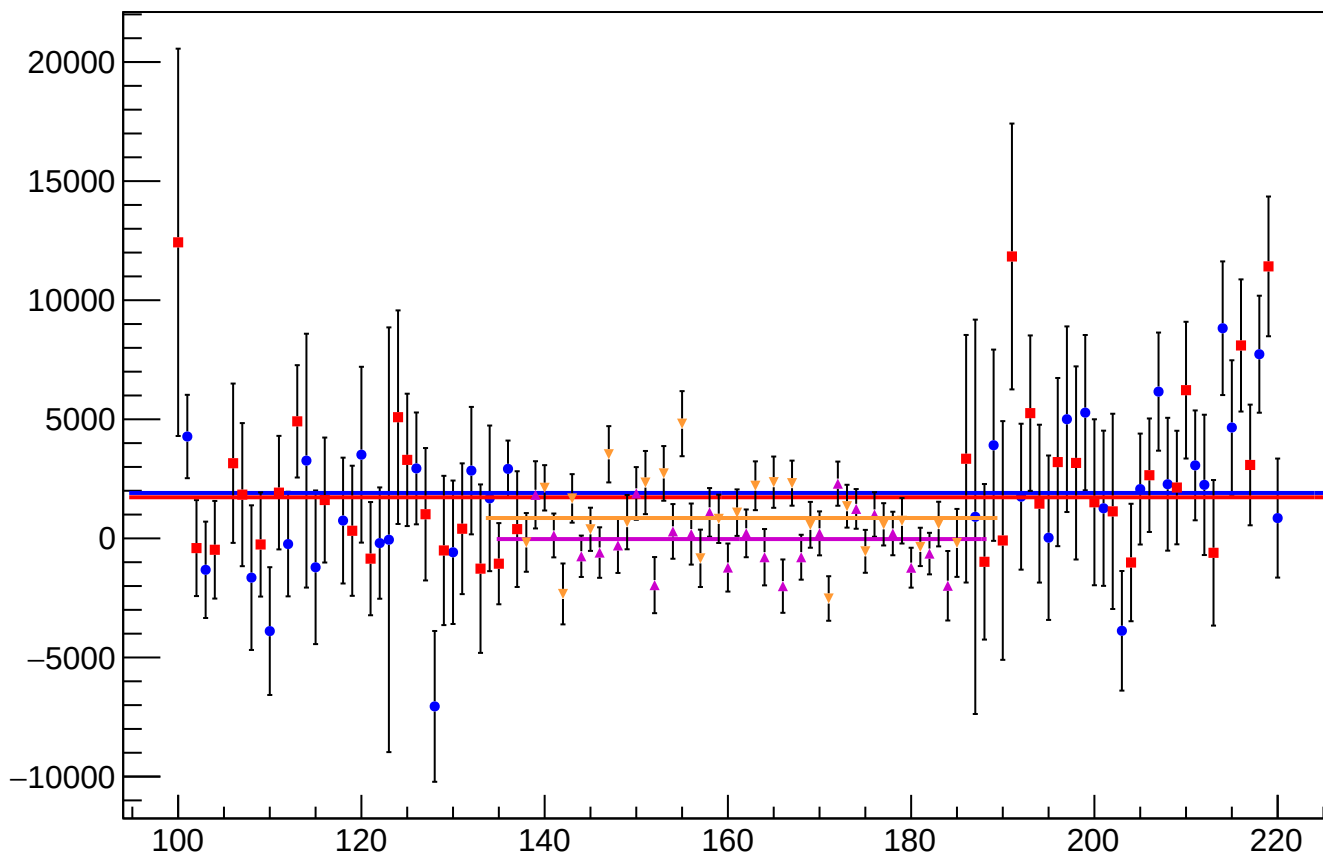
Left In: 869.569 $\pm$ 0.149 χ^2/NDF : 582301.2/22

+ sign 1037.064 $\pm$ 0.131 χ^2/NDF : 12122190.5/58

All: 1045.141 $\pm$ 0.094 χ^2/NDF : 25177039.2/100

- sign 1053.698 $\pm$ 0.135 χ^2/NDF : 13047062.8/59

asym_sam_24_68_dd_mean vs Slug



Right In: 1908.032 $\pm$ 449.378 χ^2 /NDF: 47.0/33

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF:54.1/24

Right Out: 1726.044 $\pm$ 462.454 χ^2 /NDF: 40.3/36

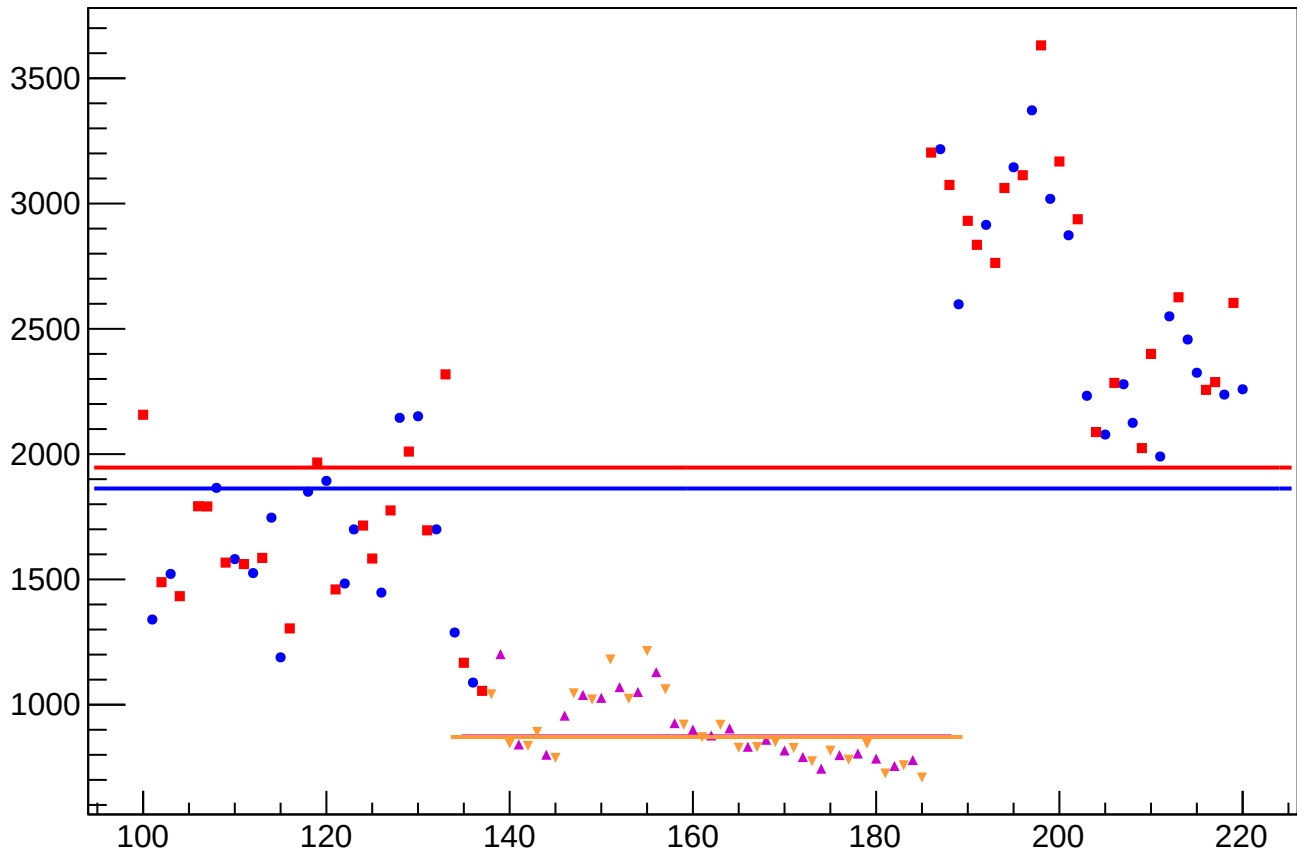
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF:29.7/22

+ sign 1037.012 $\pm$ 186.545 χ^2 /NDF: 105.6/58

All: 666.405 $\pm$ 133.790 χ^2 /NDF: 195.7/118

- sign 273.853 $\pm$ 191.988 χ^2 /NDF: 82.0/59

asym_sam_24_68_dd_rms vs Slug



Right In: 1862.840 $\pm$ 0.318 χ^2/NDF : 333582.7/33

Left Out: 871.109 $\pm$ 0.145 χ^2/NDF : 651751.1/24

Right Out: 1946.389 $\pm$ 0.327 χ^2/NDF : 3497418.8/36

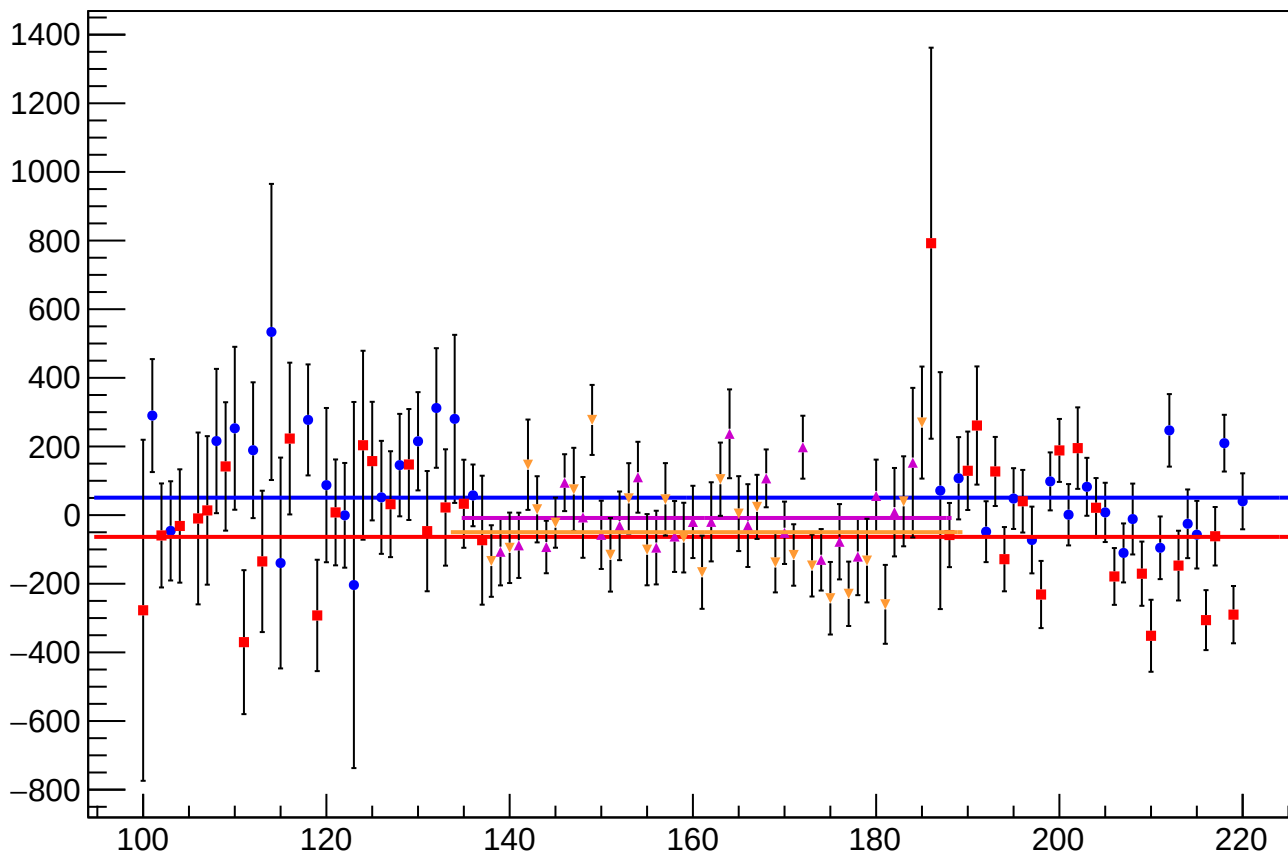
Left In: 873.675 $\pm$ 0.149 χ^2/NDF : 573822.5/22

+ sign 1042.007 $\pm$ 0.132 χ^2/NDF : 12049568.0/58

All: 1050.045 $\pm$ 0.095 χ^2/NDF : 25034952.7/100

- sign 1058.558 $\pm$ 0.136 χ^2/NDF : 12977739.3/59

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 50.835 ± 20.036 χ^2/NDF : 32.7/33

Left Out: -49.717 ± 20.580 χ^2/NDF : 39.4/24

Right Out: -63.474 ± 20.292 χ^2/NDF : 70.0/36

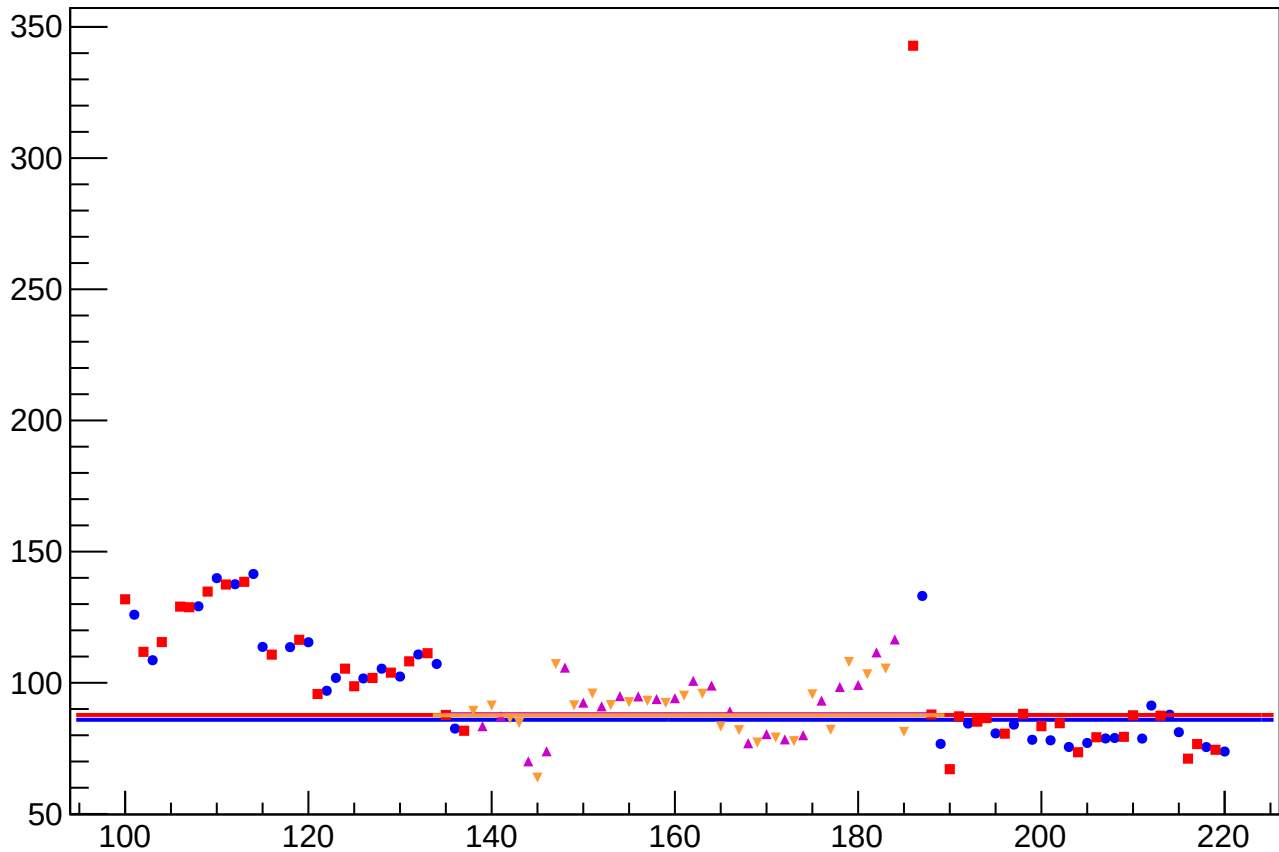
Left In: -8.343 ± 21.271 χ^2/NDF : 22.0/22

+ sign 1.906 ± 14.356 χ^2/NDF : 84.3/58

All: -17.210 ± 10.265 χ^2/NDF : 183.5/118

- sign -37.207 ± 14.683 χ^2/NDF : 95.5/59

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 85.908 $\pm$ 0.014 χ^2 /NDF: 1046236.4/33

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 87.741 $\pm$ 0.014 χ^2 /NDF: 1553214.5/36

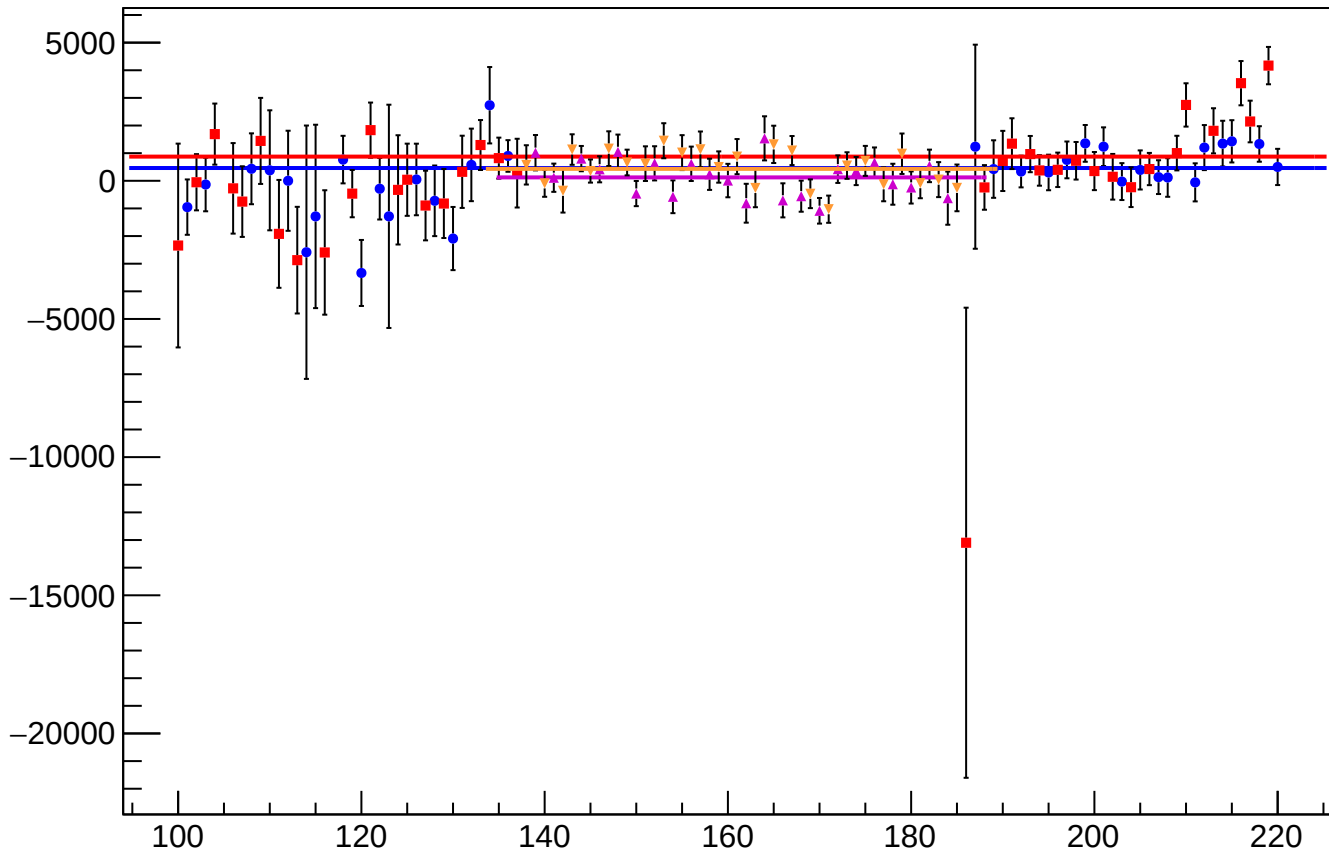
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 86.744 $\pm$ 0.010 χ^2 /NDF: 1608076.6/58

All: 87.299 $\pm$ 0.007 χ^2 /NDF: 3691316.5/118

- sign 87.879 $\pm$ 0.010 χ^2 /NDF: 2077122.0/59

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 462.576 $\pm$ 147.627 χ^2 /NDF: 33.7/33

Left Out: 431.658 $\pm$ 115.706 χ^2 /NDF: 30.5/24

Right Out: 875.367 $\pm$ 146.998 χ^2 /NDF: 76.5/36

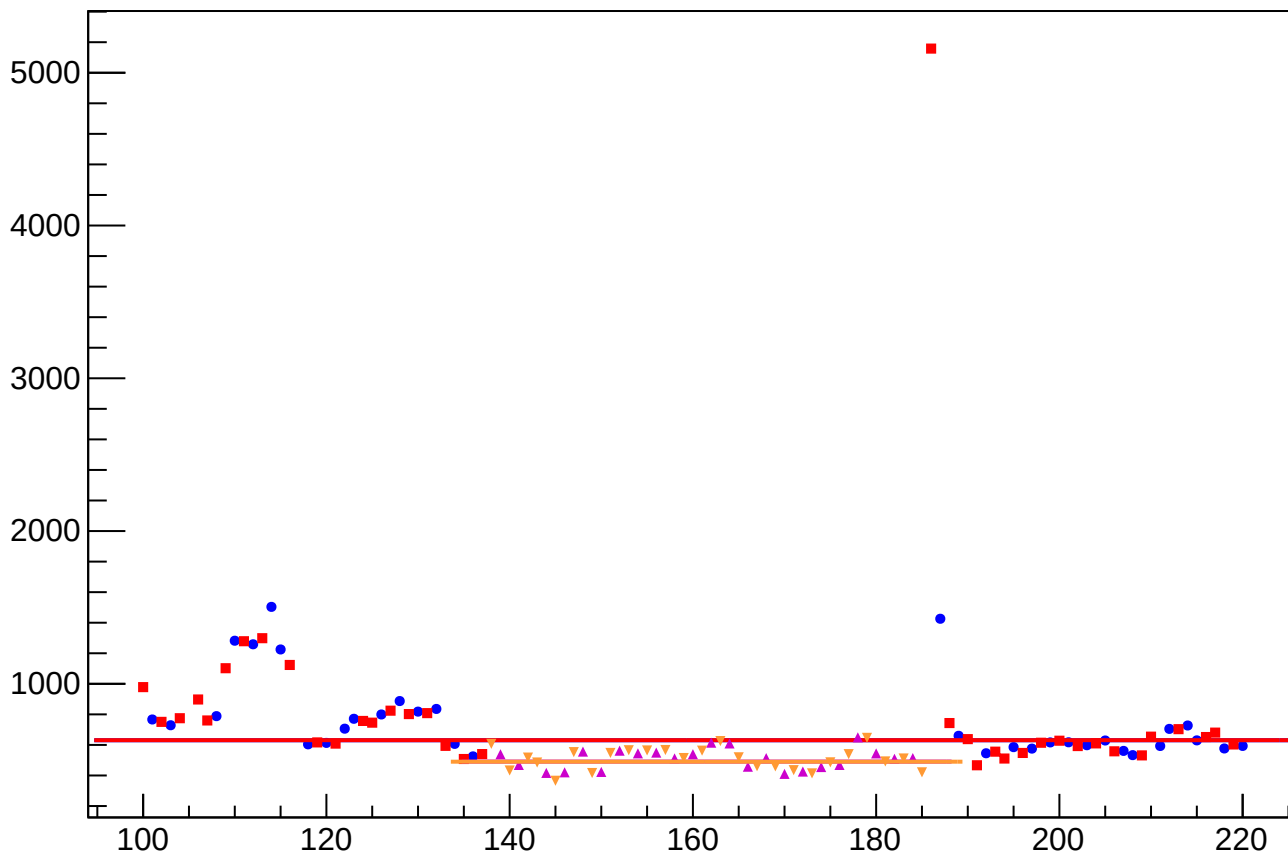
Left In: 123.017 $\pm$ 118.849 χ^2 /NDF: 29.3/22

+ sign 443.424 $\pm$ 91.067 χ^2 /NDF: 64.2/58

All: 432.088 $\pm$ 64.868 χ^2 /NDF: 185.8/118

- sign 420.414 $\pm$ 92.421 χ^2 /NDF: 121.6/59

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 630.540 $\pm$ 0.104 χ^2 /NDF: 1248113.7/33

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 631.053 $\pm$ 0.104 χ^2 /NDF: 2052216.7/36

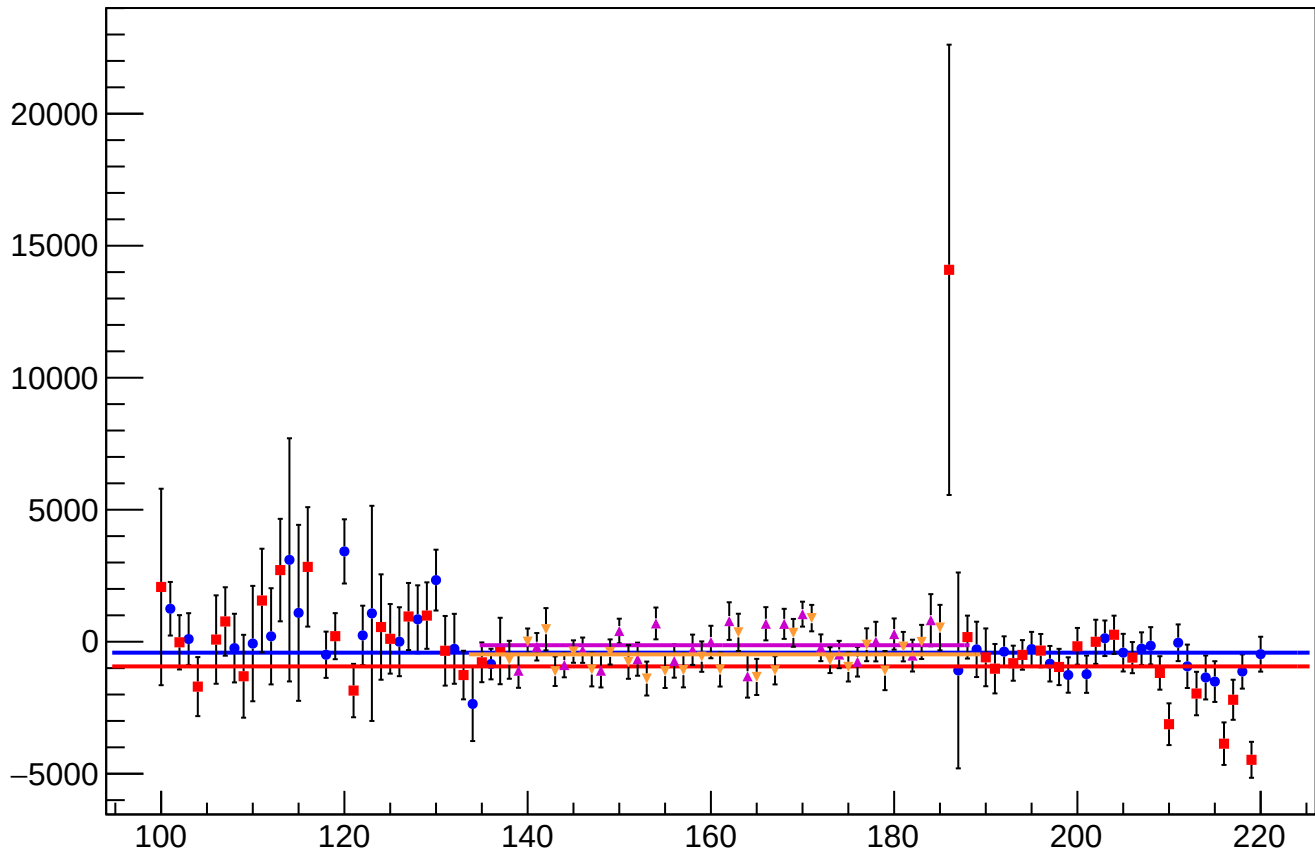
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 543.646 $\pm$ 0.064 χ^2 /NDF: 3116973.1/58

All: 544.957 $\pm$ 0.046 χ^2 /NDF: 6858520.3/118

- sign 546.307 $\pm$ 0.065 χ^2 /NDF: 3740706.0/59

asym_sam_26_48_dd_mean vs Slug



Right In: -414.716 ± 149.127 χ^2/NDF : 33.0/33

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -934.825 ± 148.600 χ^2/NDF : 85.3/36

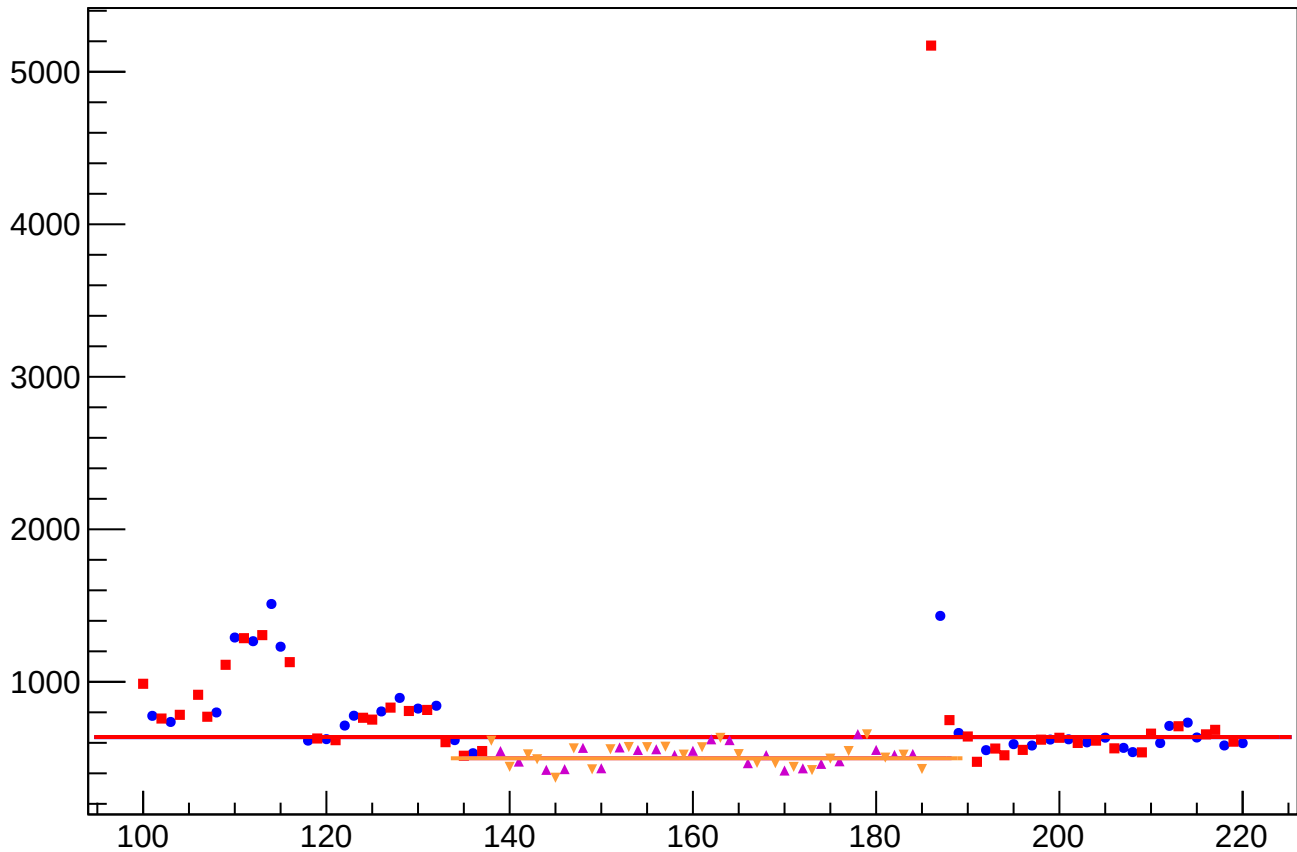
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -453.841 ± 92.370 χ^2/NDF : 60.9/58

All: -452.924 ± 65.804 χ^2/NDF : 193.3/118

- sign -451.978 ± 93.766 χ^2/NDF : 132.4/59

asym_sam_26_48_dd_rms vs Slug



Right In: 637.110 $\pm$ 0.105 χ^2 /NDF: 1236786.0/33

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 638.152 $\pm$ 0.105 χ^2 /NDF: 2030178.3/36

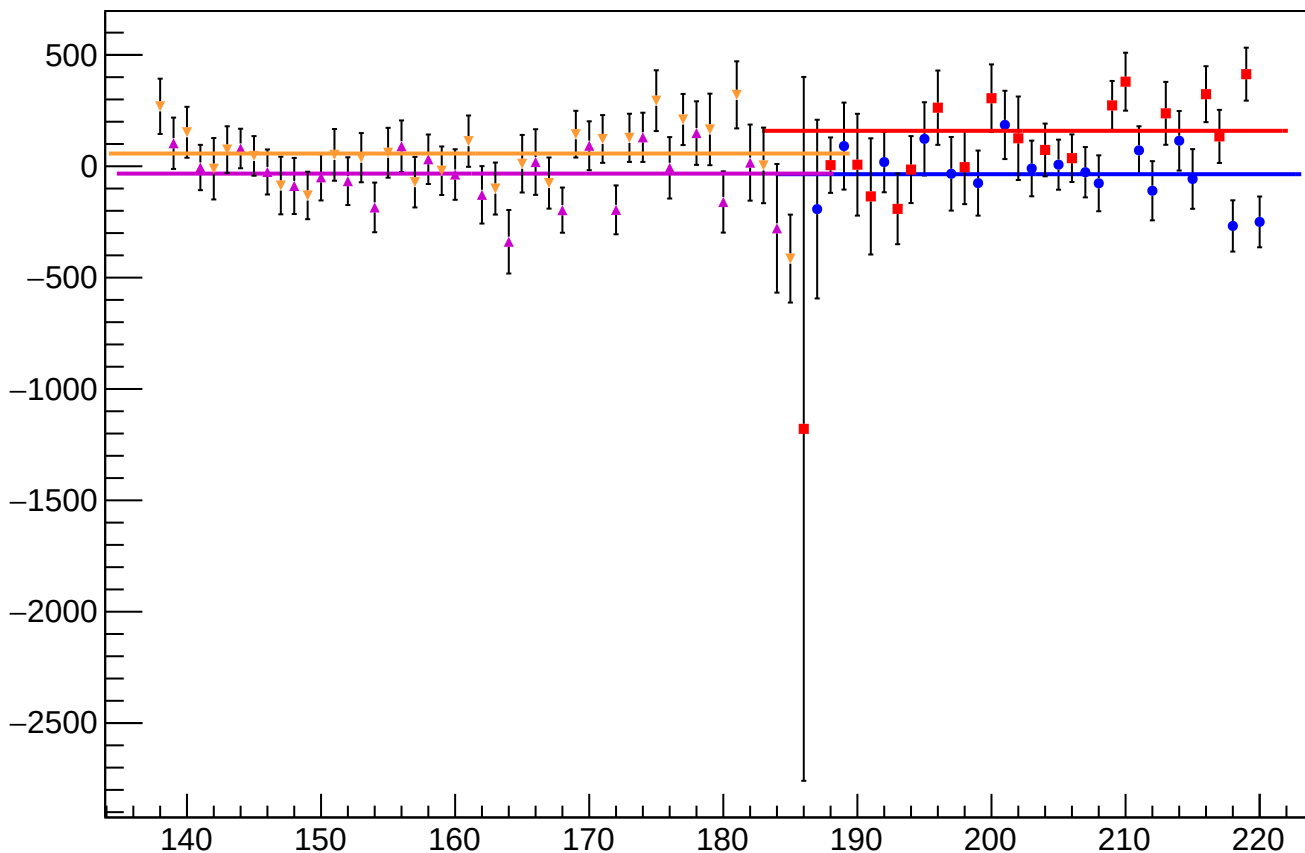
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 551.837 $\pm$ 0.065 χ^2 /NDF: 3032118.2/58

All: 553.218 $\pm$ 0.047 χ^2 /NDF: 6689287.1/118

- sign 554.641 $\pm$ 0.066 χ^2 /NDF: 3656261.1/59

reg_asym_sam_1548_avg_mean vs Slug



Right In: -35.595 ± 32.604 $\chi^2/\text{NDF}: 14.3/16$

Left Out: 57.211 ± 23.714 $\chi^2/\text{NDF}: 29.2/24$

Right Out: 159.212 ± 33.662 $\chi^2/\text{NDF}: 25.0/17$

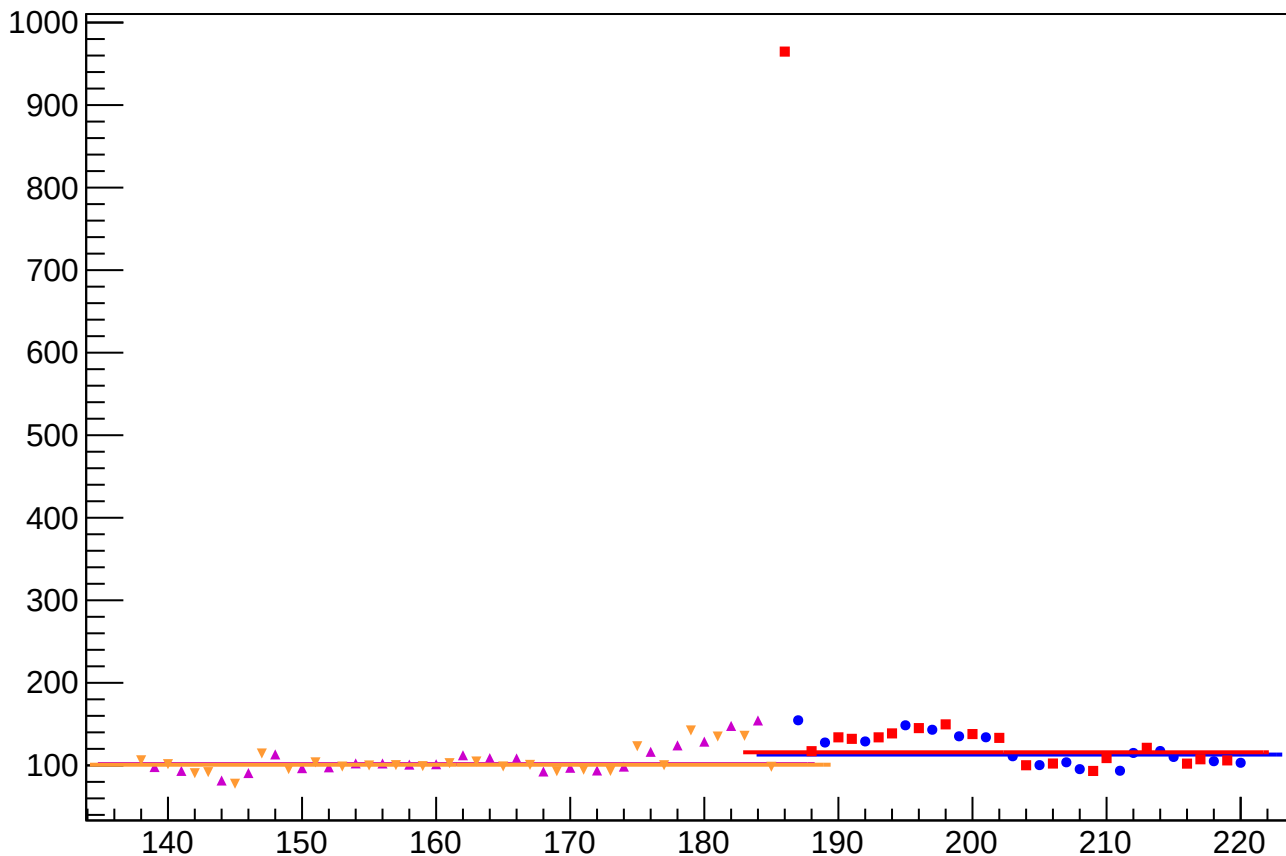
Left In: -32.948 ± 24.587 $\chi^2/\text{NDF}: 23.6/22$

+ sign 25.102 ± 19.178 $\chi^2/\text{NDF}: 48.8/41$

All: 29.351 ± 13.794 $\chi^2/\text{NDF}: 118.7/82$

- sign 33.904 ± 19.855 $\chi^2/\text{NDF}: 69.8/40$

reg_asym_sam_1548_avg_rms vs Slug



Right In: 113.087 $\pm$ 0.023 χ^2 /NDF: 476154.2/16

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 115.835 $\pm$ 0.024 χ^2 /NDF: 1083551.3/17

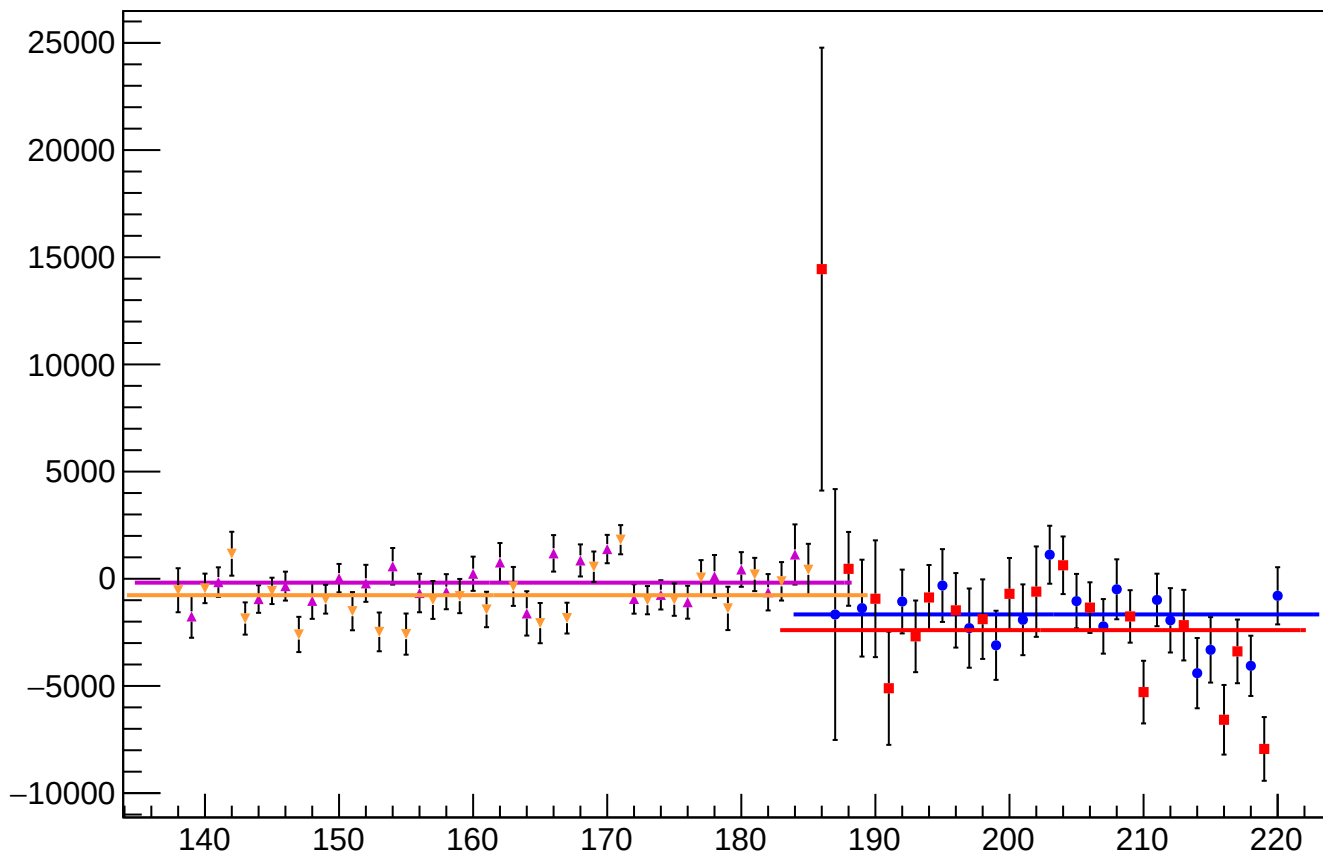
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 105.051 $\pm$ 0.014 χ^2 /NDF: 1262412.9/41

All: 105.783 $\pm$ 0.010 χ^2 /NDF: 3166851.2/82

- sign 106.567 $\pm$ 0.014 χ^2 /NDF: 1898411.6/40

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1662.905 $\pm$ 369.069 χ^2/NDF : 14.8/16

Left Out: -766.358 $\pm$ 161.066 χ^2/NDF : 46.5/24

Right Out: -2396.501 $\pm$ 386.877 χ^2/NDF : 40.9/17

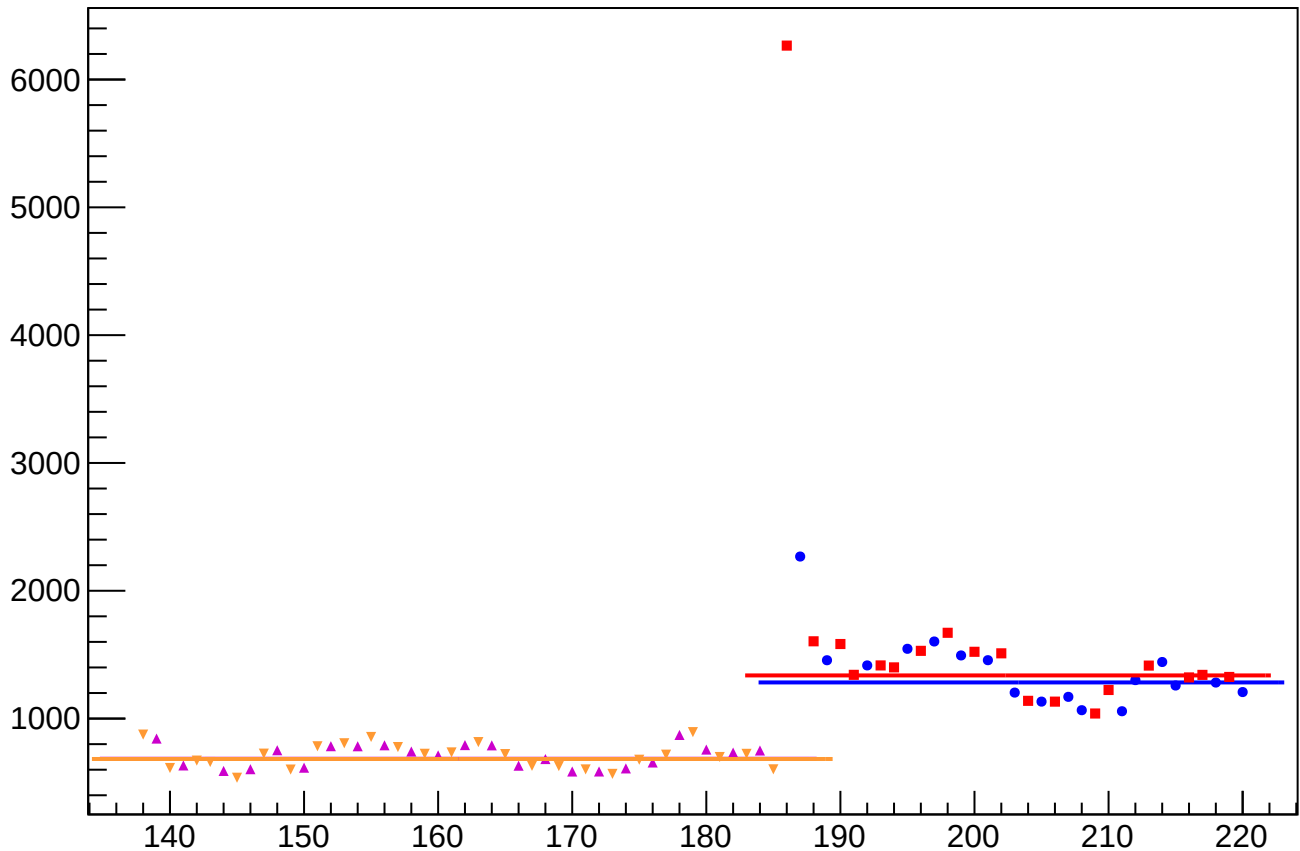
Left In: -181.584 $\pm$ 165.671 χ^2/NDF : 25.0/22

+ sign -909.792 $\pm$ 147.621 χ^2/NDF : 66.3/41

All: -723.299 $\pm$ 105.998 χ^2/NDF : 163.2/82

- sign -524.809 $\pm$ 152.295 χ^2/NDF : 93.6/40

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1282.845 $\pm$ 0.261 χ^2 /NDF: 441692.9/16

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 1337.716 $\pm$ 0.274 χ^2 /NDF: 893571.0/17

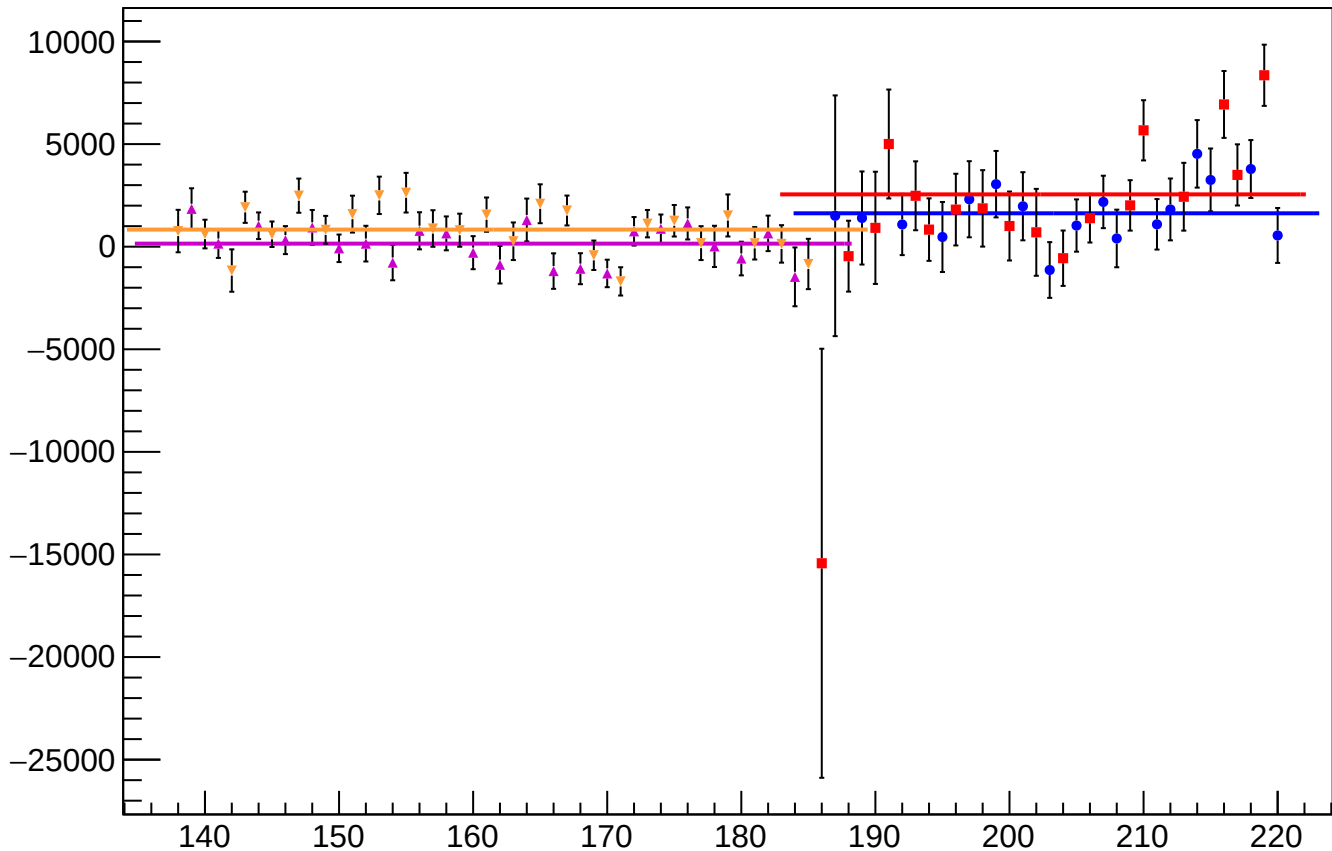
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 779.709 $\pm$ 0.104 χ^2 /NDF: 5533692.5/41

All: 783.070 $\pm$ 0.075 χ^2 /NDF: 11760728.0/82

- sign 786.646 $\pm$ 0.108 χ^2 /NDF: 6224896.0/40

asym_sam_1548_avg_mean vs Slug



Right In: 1627.259 $\pm$ 370.557 χ^2 /NDF: 14.3/16

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF: 43.2/24

Right Out: 2549.542 $\pm$ 388.432 χ^2 /NDF: 44.2/17

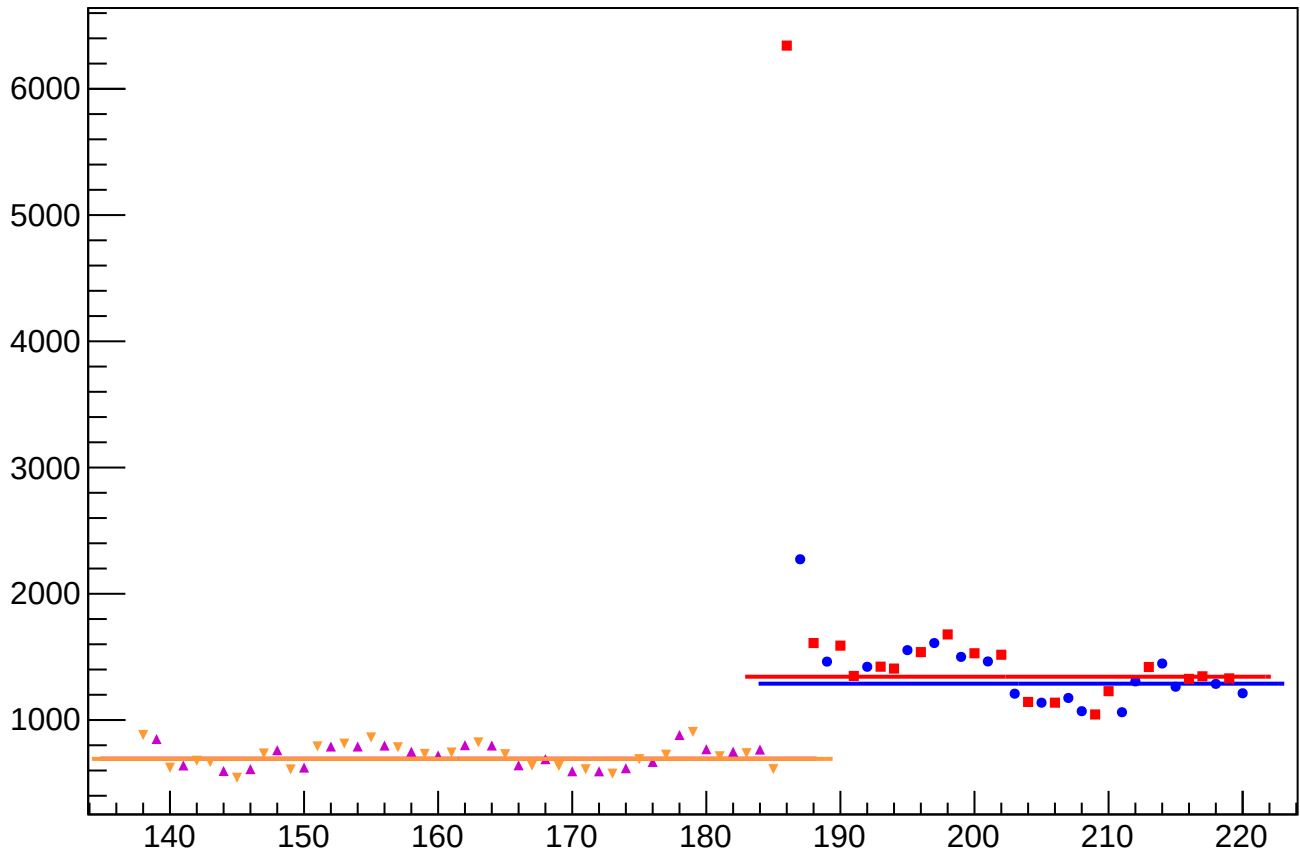
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF: 26.0/22

+ sign 962.052 $\pm$ 149.176 χ^2 /NDF: 61.3/41

All: 750.745 $\pm$ 107.121 χ^2 /NDF: 167.9/82

- sign 525.783 $\pm$ 153.920 χ^2 /NDF: 102.4/40

asym_sam_1548_avg_rms vs Slug



Right In: 1288.016 ± 0.262 $\chi^2/\text{NDF}: 442259.9/16$

Left Out: 692.097 ± 0.115 $\chi^2/\text{NDF}: 657259.6/24$

Right Out: 1343.055 ± 0.275 $\chi^2/\text{NDF}: 896057.7/17$

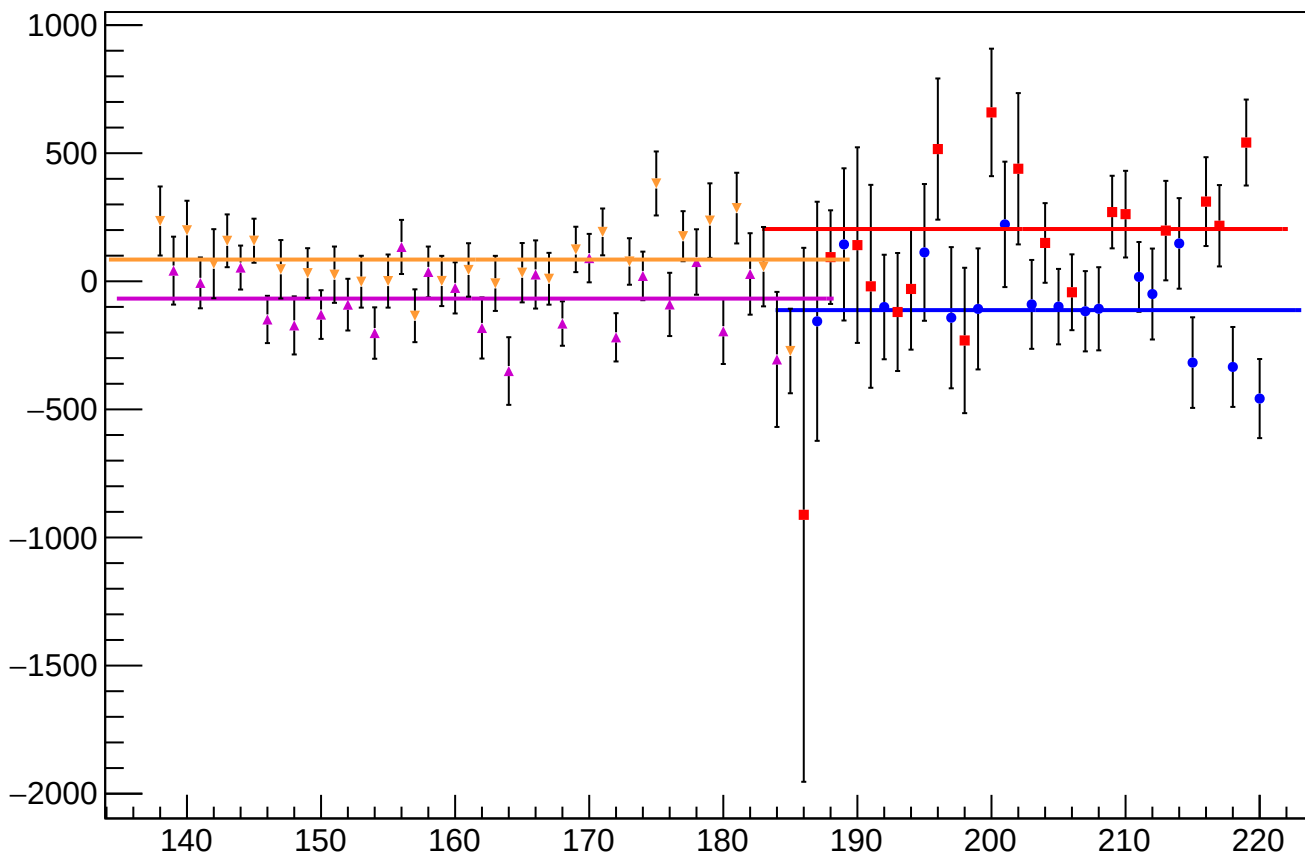
Left In: 693.867 ± 0.119 $\chi^2/\text{NDF}: 522053.5/22$

+ sign 788.674 ± 0.105 $\chi^2/\text{NDF}: 5433668.9/41$

All: 792.128 ± 0.076 $\chi^2/\text{NDF}: 11563306.8/82$

- sign 795.804 ± 0.109 $\chi^2/\text{NDF}: 6127424.8/40$

reg_asym_sam_3748_avg_mean vs Slug



Right In: -112.504 ± 45.060 χ^2/NDF : 14.9/16

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 204.063 ± 47.632 χ^2/NDF : 20.1/17

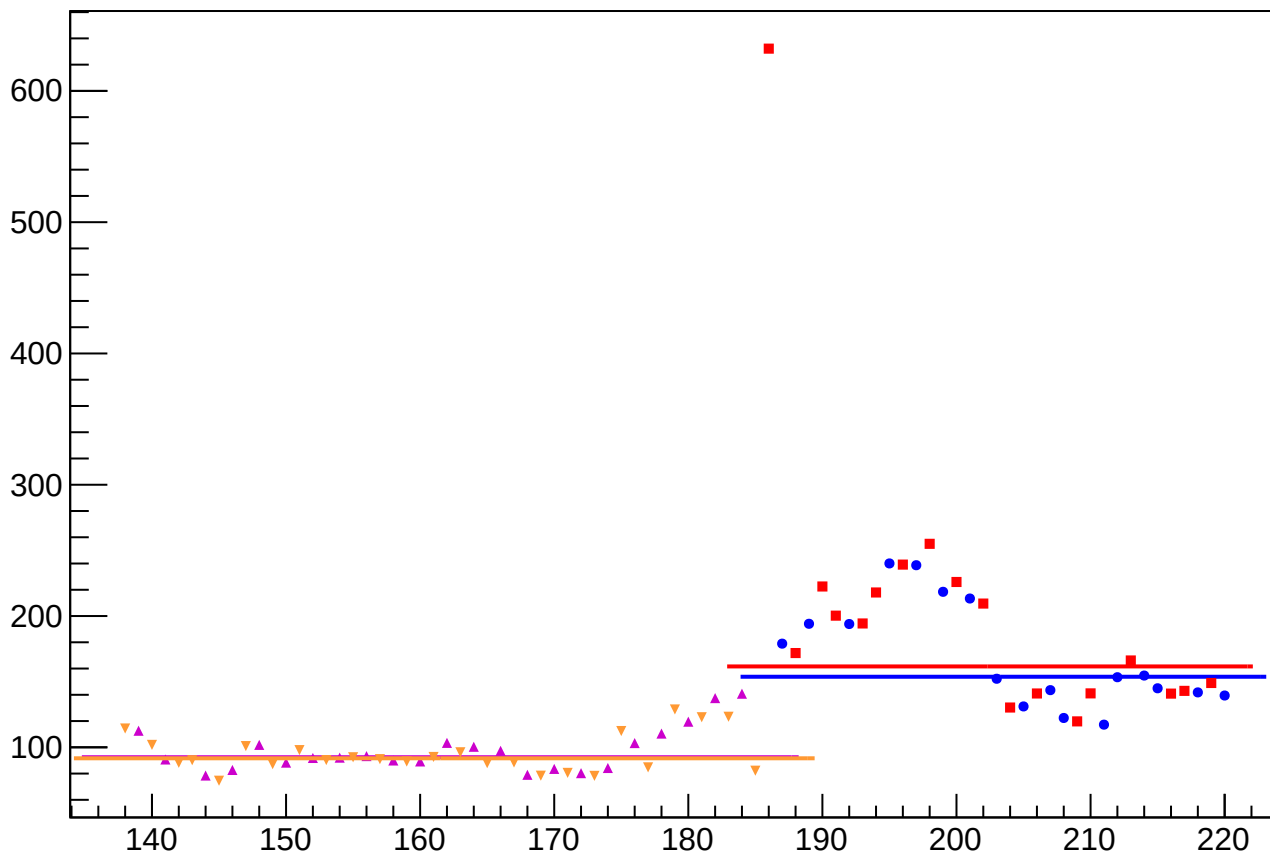
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 47.863 ± 19.509 χ^2/NDF : 59.0/41

All: 16.162 ± 14.069 χ^2/NDF : 140.1/82

- sign -18.184 ± 20.307 χ^2/NDF : 75.6/40

reg_asym_sam_3748_avg_rms vs Slug



Right In: 153.751+/-0.032 χ^2/NDF : 1096143.0/16

Left Out: 91.633+/-0.015 χ^2/NDF : 693122.0/24

Right Out: 161.607+/-0.034 χ^2/NDF : 1591226.8/17

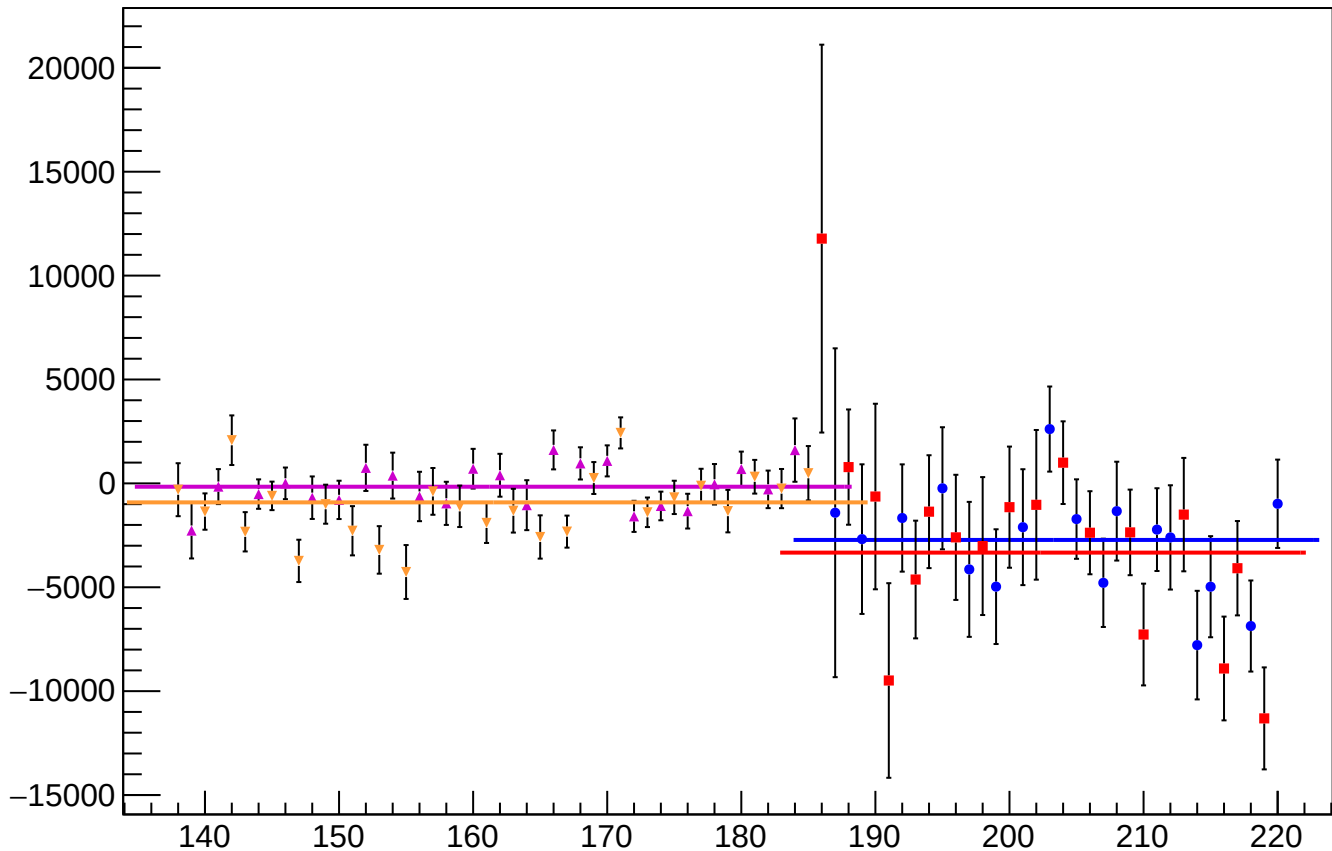
Left In: 92.466+/-0.016 χ^2/NDF : 655700.4/22

+ sign 103.277+/-0.014 χ^2/NDF : 4877714.9/41

All: 104.120+/-0.010 χ^2/NDF : 10580596.6/82

- sign 105.033+/-0.014 χ^2/NDF : 5695107.5/40

asym_sam_3748_avg_correction_mean vs Slug



Right In: -2722.356 ± 599.850 χ^2/NDF : 19.1/16

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -3332.538 ± 638.465 χ^2/NDF : 32.6/17

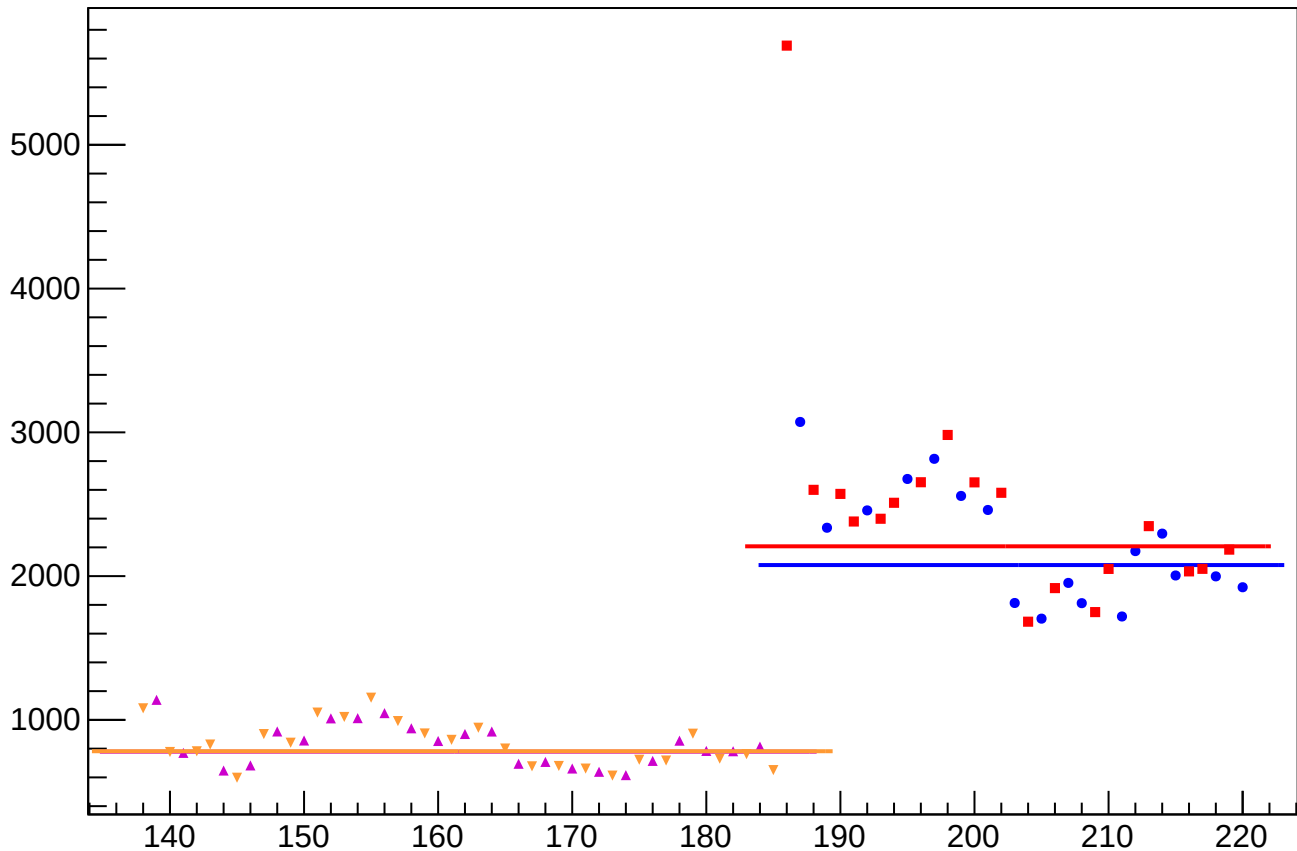
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -1072.251 ± 177.081 χ^2/NDF : 91.5/41

All: -753.385 ± 126.803 χ^2/NDF : 178.5/82

- sign -417.819 ± 181.659 χ^2/NDF : 80.3/40

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2076.976 $\pm$ 0.424 χ^2 /NDF: 607596.7/16

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2207.331 $\pm$ 0.451 χ^2 /NDF: 902161.2/17

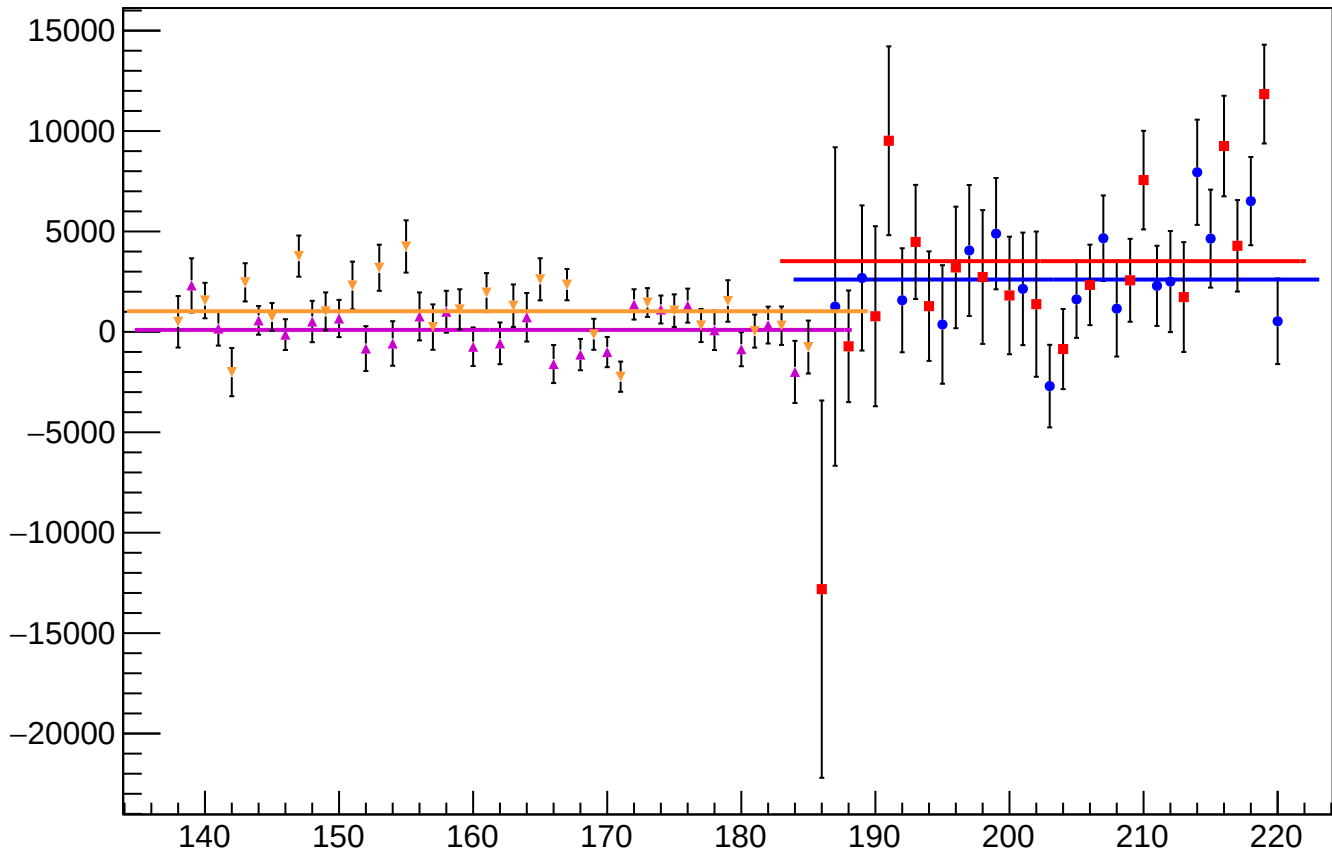
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 894.893 $\pm$ 0.125 χ^2 /NDF: 10246831.4/41

All: 894.762 $\pm$ 0.090 χ^2 /NDF: 21328523.7/82

- sign 894.624 $\pm$ 0.128 χ^2 /NDF: 11081690.1/40

asym_sam_3748_avg_mean vs Slug



Right In: 2606.200+/-601.683 χ^2/NDF : 18.9/16

Left Out: 1028.864+/-186.810 χ^2/NDF : 60.2/24

Right Out: 3521.611+/-640.416 χ^2/NDF : 34.2/17

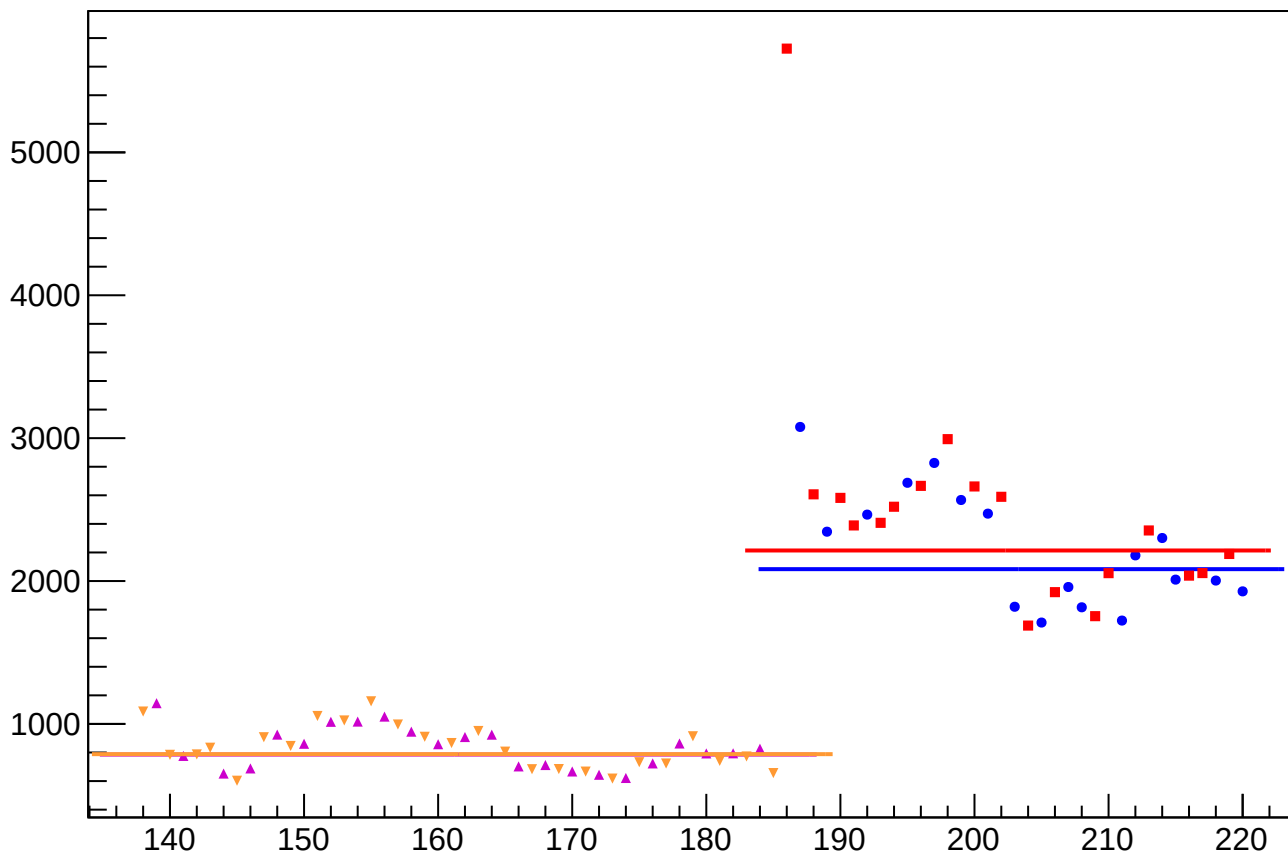
Left In: 98.691+/-191.027 χ^2/NDF : 25.4/22

+ sign 1167.547+/-178.409 χ^2/NDF : 85.3/41

All: 783.099+/-127.766 χ^2/NDF : 180.6/82

- sign 378.360+/-183.057 χ^2/NDF : 85.8/40

asym_sam_3748_avg_rms vs Slug



Right In: 2083.209+/-0.425 χ^2 /NDF: 610185.1/16

Left Out: 788.442+/-0.132 χ^2 /NDF:1113741.6/24

Right Out: 2213.892+/-0.453 χ^2 /NDF: 906331.4/17

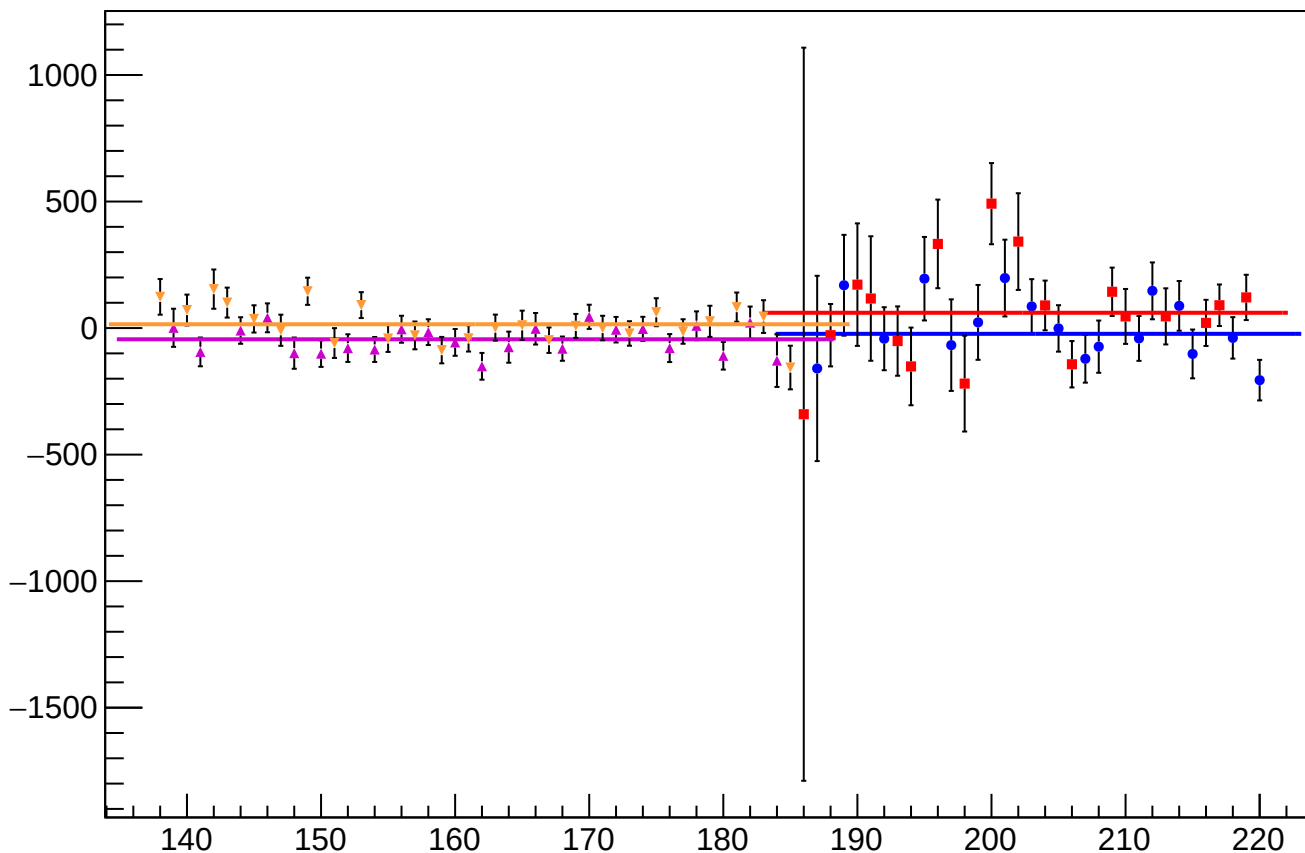
Left In: 785.490+/-0.135 χ^2 /NDF:965338.9/22

+ sign 902.280+/-0.126 χ^2 /NDF: 10171068.2/41

All: 902.240+/-0.090 χ^2 /NDF: 21179427.7/82

- sign 902.198+/-0.129 χ^2 /NDF: 11008359.3/40

reg_asym_sam_1526_avg_mean vs Slug



Right In: -22.724 ± 26.849 χ^2/NDF : 17.0/16

Left Out: 15.099 ± 11.154 χ^2/NDF : 34.2/24

Right Out: 60.531 ± 28.690 χ^2/NDF : 24.0/17

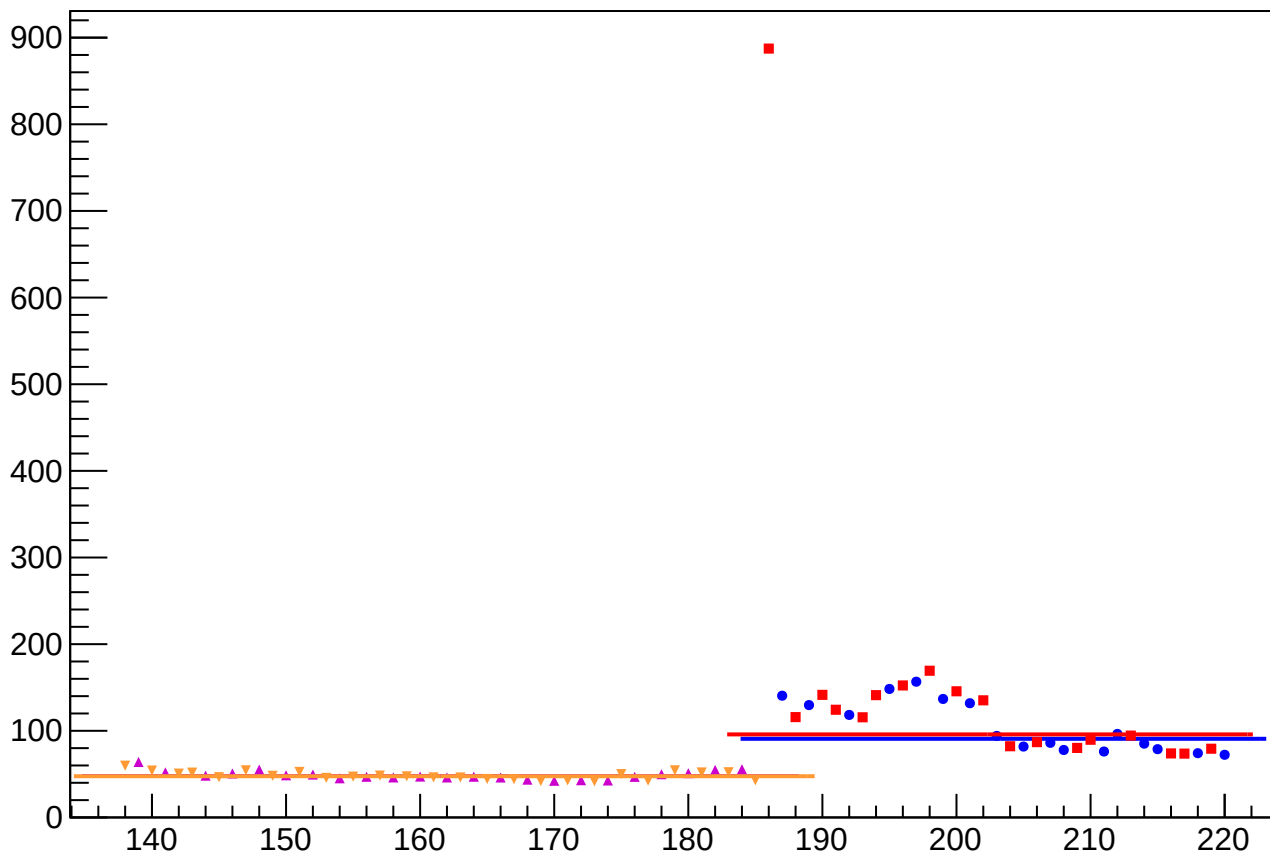
Left In: -44.297 ± 11.530 χ^2/NDF : 22.3/22

+ sign 9.532 ± 10.301 χ^2/NDF : 52.9/41

All: -9.352 ± 7.420 χ^2/NDF : 117.7/82

- sign -29.722 ± 10.698 χ^2/NDF : 57.8/40

reg_asym_sam_1526_avg_rms vs Slug



Right In: 90.779+/-0.019 χ^2/NDF : 1402047.5/16

Left Out: 47.586+/-0.008 χ^2/NDF : 312874.8/24

Right Out: 95.847+/-0.020 χ^2/NDF : 2198049.1/17

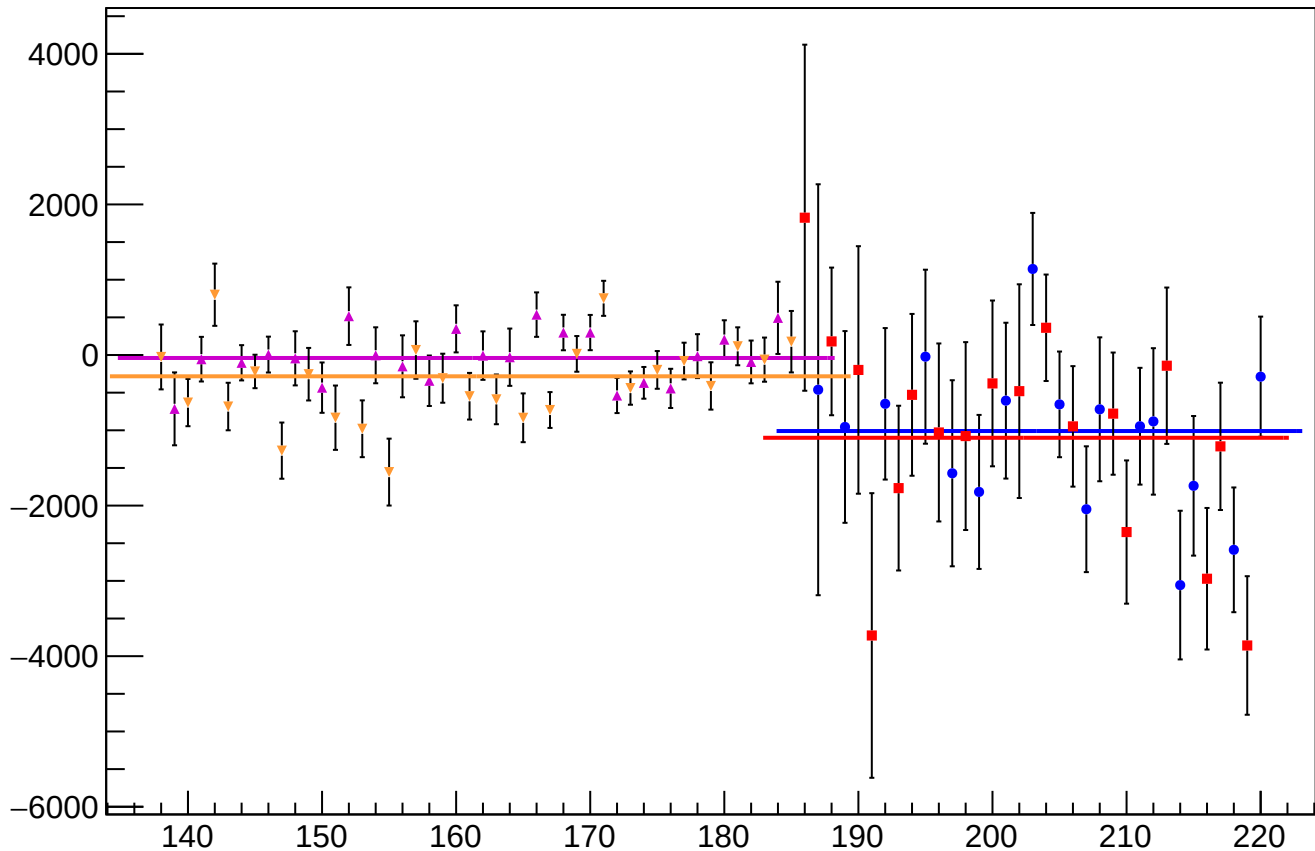
Left In: 47.846+/-0.008 χ^2/NDF : 281790.1/22

+ sign 53.944+/-0.007 χ^2/NDF : 6128969.5/41

All: 54.221+/-0.005 χ^2/NDF : 13431863.1/82

- sign 54.520+/-0.008 χ^2/NDF : 7299877.9/40

asym_sam_1526_avg_correction_mean vs Slug



Right In: -1009.654 $\pm$ 227.442 χ^2/NDF : 21.5/16

Left Out: -282.798 $\pm$ 59.690 χ^2/NDF : 66.5/24

Right Out: -1099.211 $\pm$ 241.932 χ^2/NDF : 26.8/17

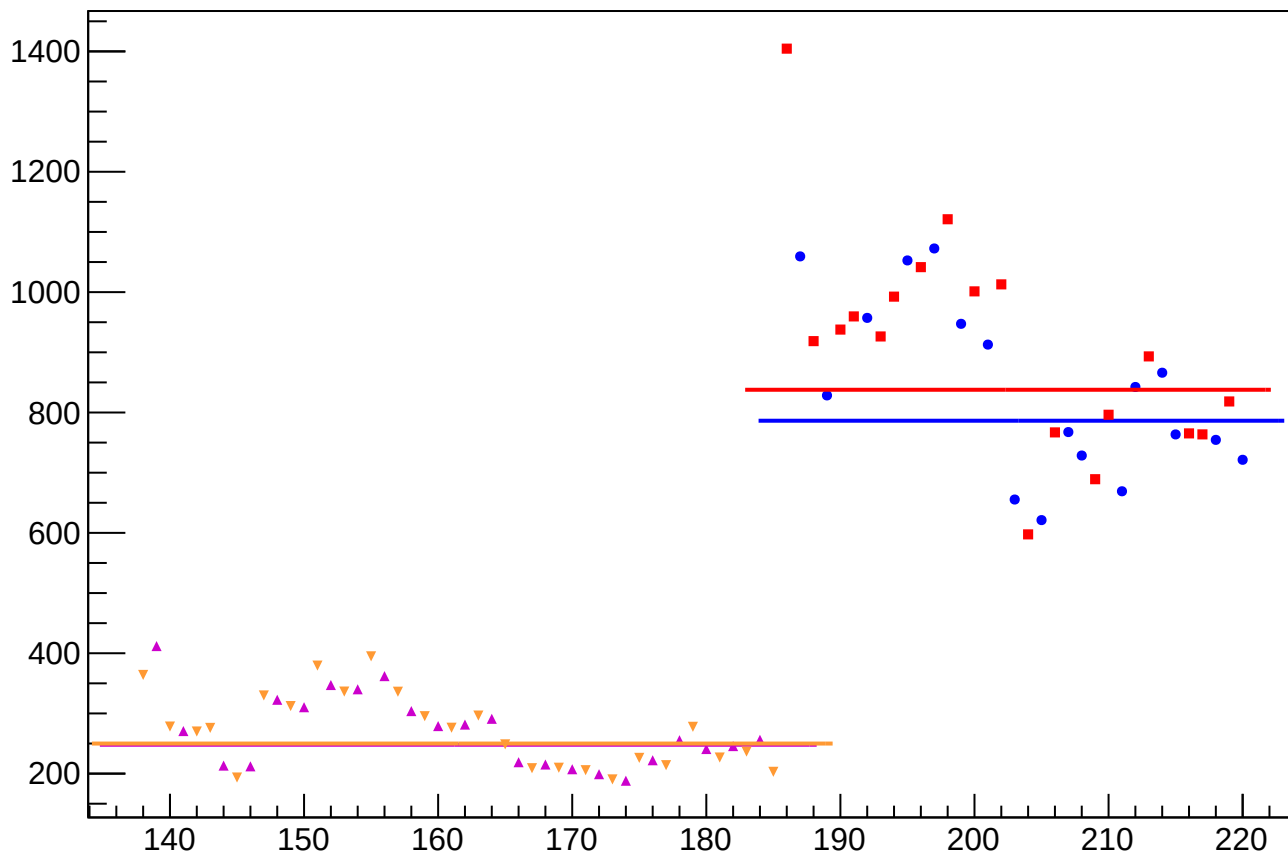
Left In: -39.432 $\pm$ 60.759 χ^2/NDF : 27.5/22

+ sign -329.635 $\pm$ 57.735 χ^2/NDF : 97.6/41

All: -218.298 $\pm$ 41.240 χ^2/NDF : 177.6/82

- sign -102.308 $\pm$ 58.929 χ^2/NDF : 72.4/40

asym_sam_1526_avg_correction_rms vs Slug



Right In: 786.340 $\pm$ 0.161 χ^2 /NDF: 636577.4/16

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF: 1614205.9/24

Right Out: 837.781 $\pm$ 0.171 χ^2 /NDF: 794013.0/17

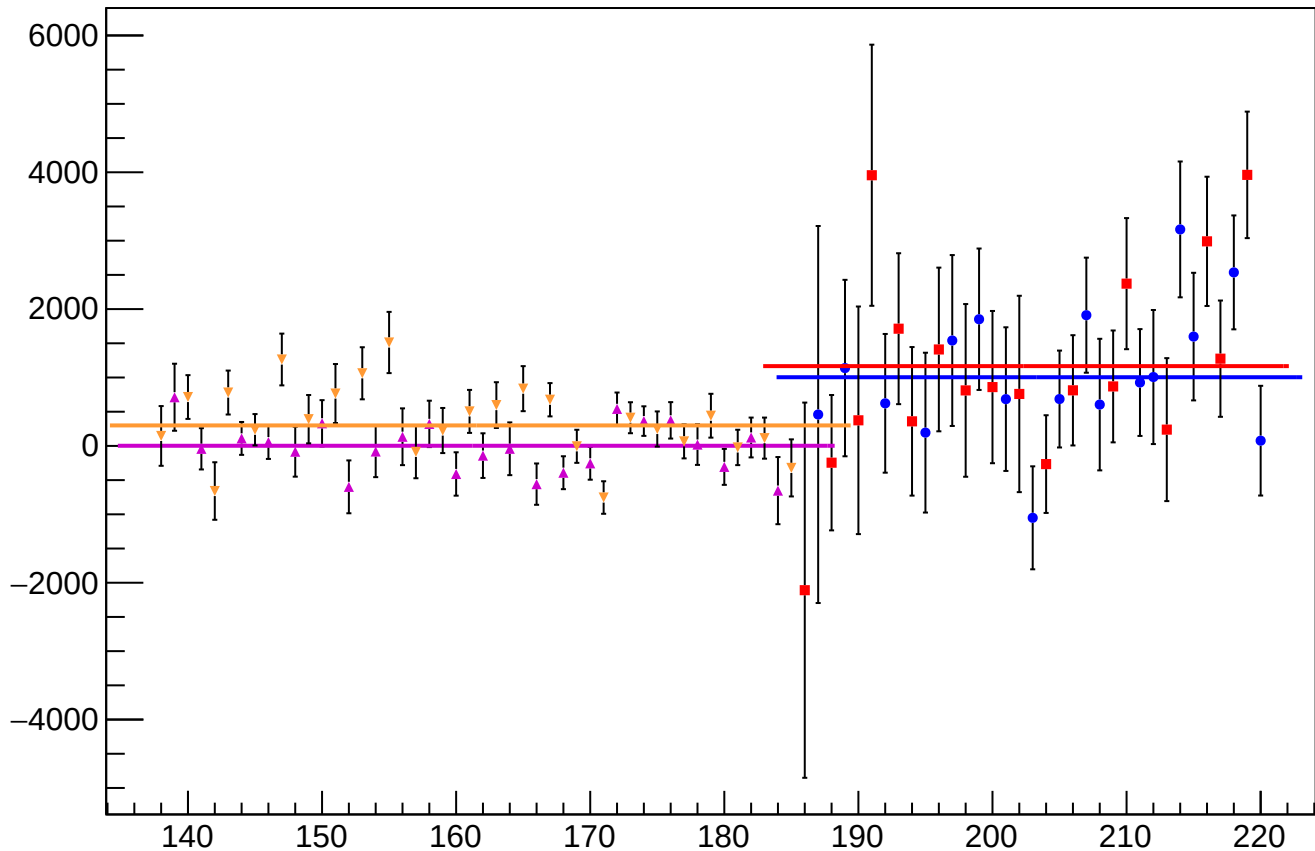
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF: 1410847.5/22

+ sign 284.519 $\pm$ 0.041 χ^2 /NDF: 12657515.9/41

All: 283.733 $\pm$ 0.029 χ^2 /NDF: 26046808.3/82

- sign 282.913 $\pm$ 0.042 χ^2 /NDF: 13388534.3/40

asym_sam_1526_avg_mean vs Slug



Right In: 1003.998 ± 229.296 χ^2/NDF : 20.5/16

Left Out: 299.562 ± 60.860 χ^2/NDF : 62.5/24

Right Out: 1166.350 ± 244.294 χ^2/NDF : 26.5/17

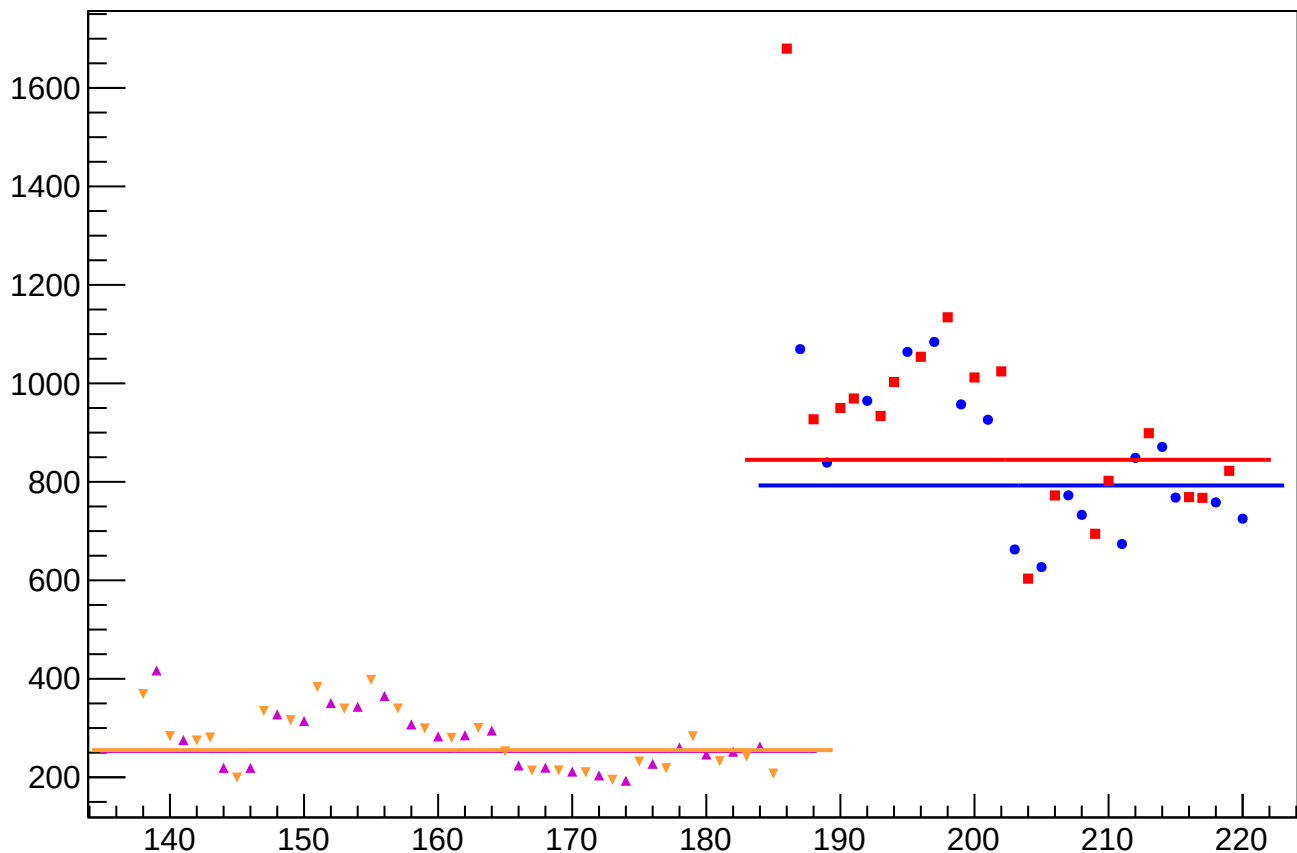
Left In: 2.185 ± 62.005 χ^2/NDF : 29.2/22

+ sign 345.922 ± 58.823 χ^2/NDF : 91.8/41

All: 212.215 ± 42.038 χ^2/NDF : 179.4/82

- sign 72.643 ± 60.099 χ^2/NDF : 77.0/40

asym_sam_1526_avg_rms vs Slug



Right In: 792.655+/-0.162 χ^2/NDF : 642360.8/16

Left Out: 255.135+/-0.043 χ^2/NDF :1542039.5/24

Right Out: 844.769+/-0.173 χ^2/NDF : 865991.5/17

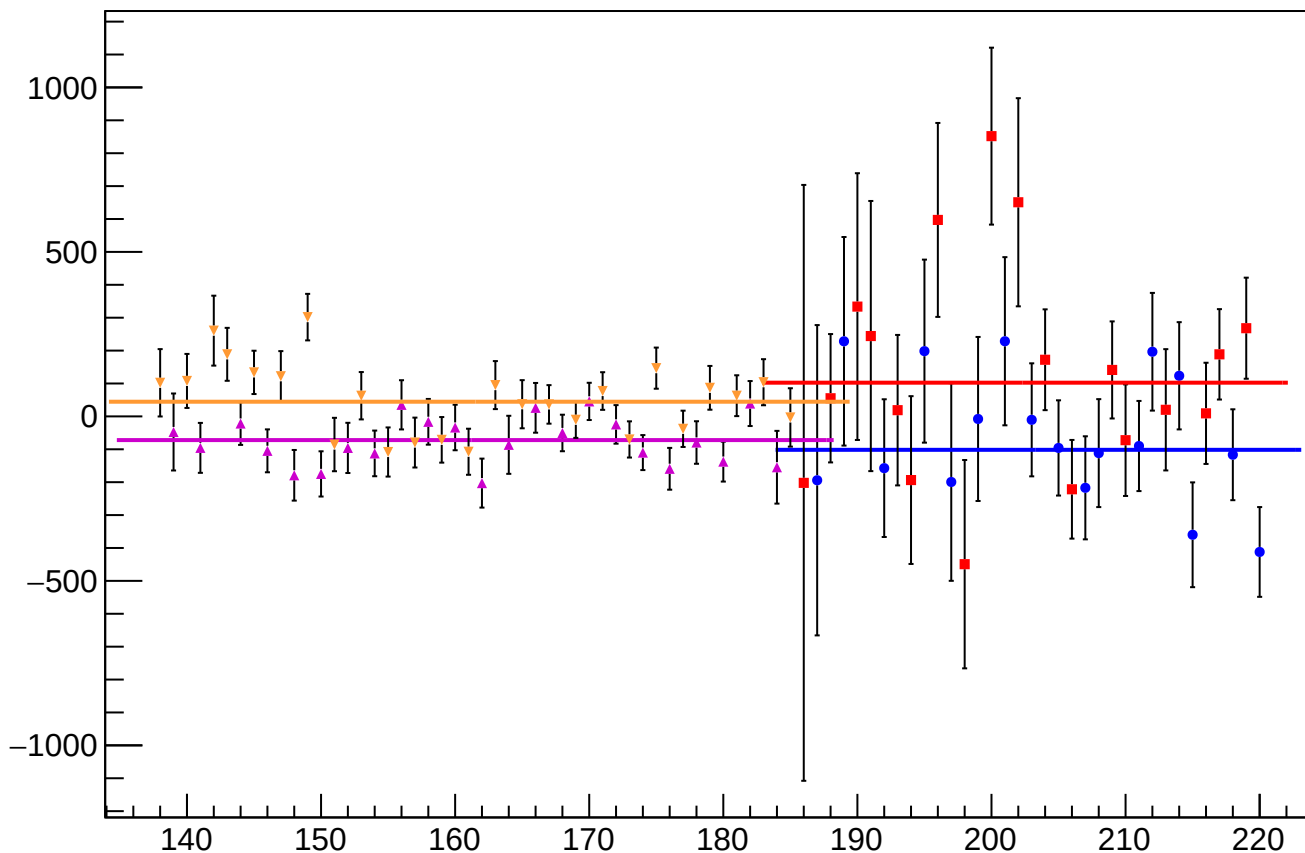
Left In: 253.287+/-0.044 χ^2/NDF :1341662.3/22

+ sign 290.510+/-0.042 χ^2/NDF : 12451830.5/41

All: 289.813+/-0.030 χ^2/NDF : 25674831.9/82

- sign 289.085+/-0.042 χ^2/NDF : 13222426.9/40

reg_asym_sam_3726_avg_mean vs Slug



Right In: -101.630 ± 43.859 χ^2/NDF : 17.6/16

Left Out: 44.602 ± 13.824 χ^2/NDF : 53.9/24

Right Out: 102.459 ± 46.927 χ^2/NDF : 26.8/17

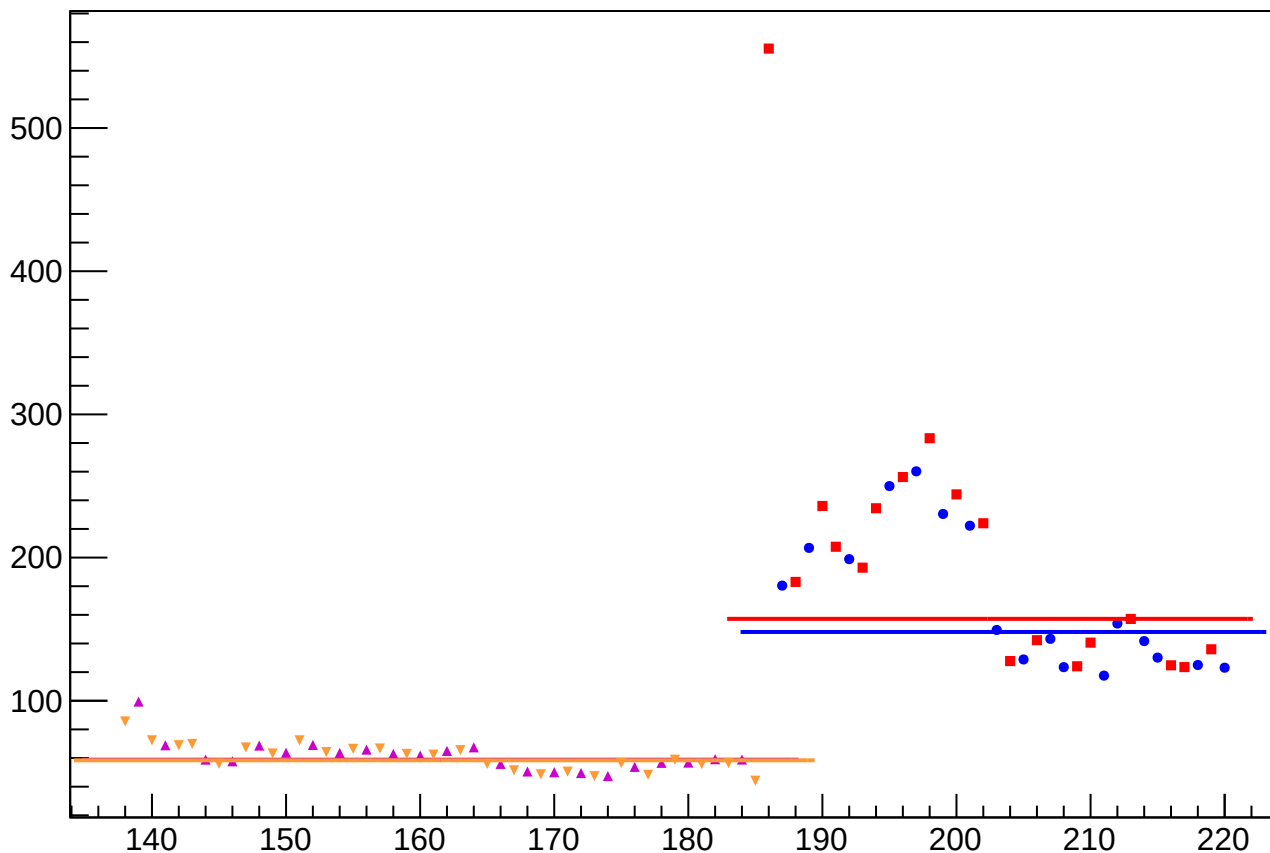
Left In: -72.037 ± 14.296 χ^2/NDF : 25.3/22

+ sign 31.387 ± 13.185 χ^2/NDF : 81.6/41

All: -11.296 ± 9.492 χ^2/NDF : 168.2/82

- sign -57.217 ± 13.676 χ^2/NDF : 64.8/40

reg_asym_sam_3726_avg_rms vs Slug



Right In: 148.048 $\pm$ 0.031 χ^2 /NDF: 1464836.8/16

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 157.219 $\pm$ 0.033 χ^2 /NDF: 2062121.8/17

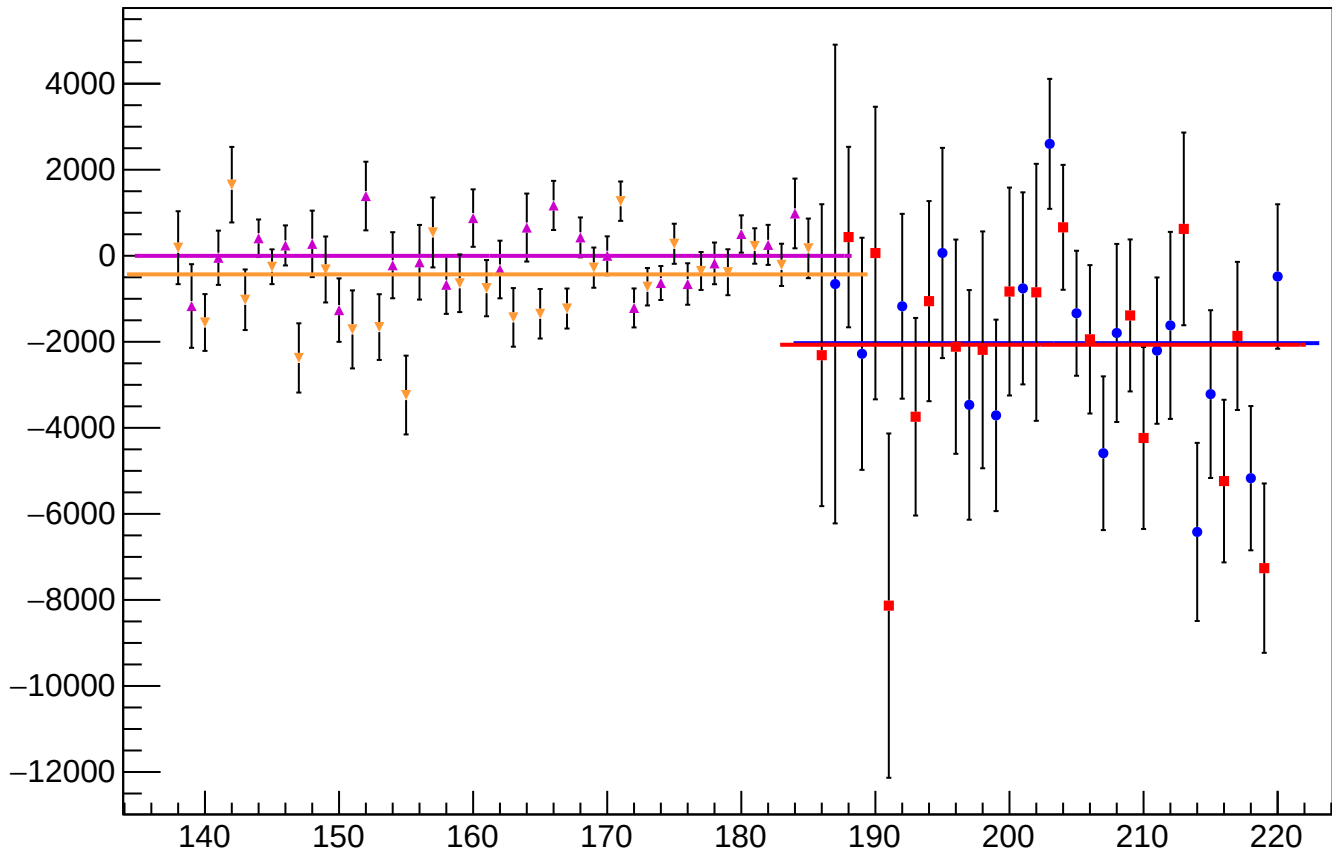
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 66.522 $\pm$ 0.009 χ^2 /NDF: 9851840.6/41

All: 66.846 $\pm$ 0.007 χ^2 /NDF: 20639985.4/82

- sign 67.195 $\pm$ 0.010 χ^2 /NDF: 10785636.1/40

asym_sam_3726_avg_correction_mean vs Slug



Right In: -2031.329 $\pm$ 481.167 χ^2 /NDF: 23.1/16

Left Out: -432.330 $\pm$ 114.408 χ^2 /NDF: 59.4/24

Right Out: -2068.251 $\pm$ 510.462 χ^2 /NDF: 21.2/17

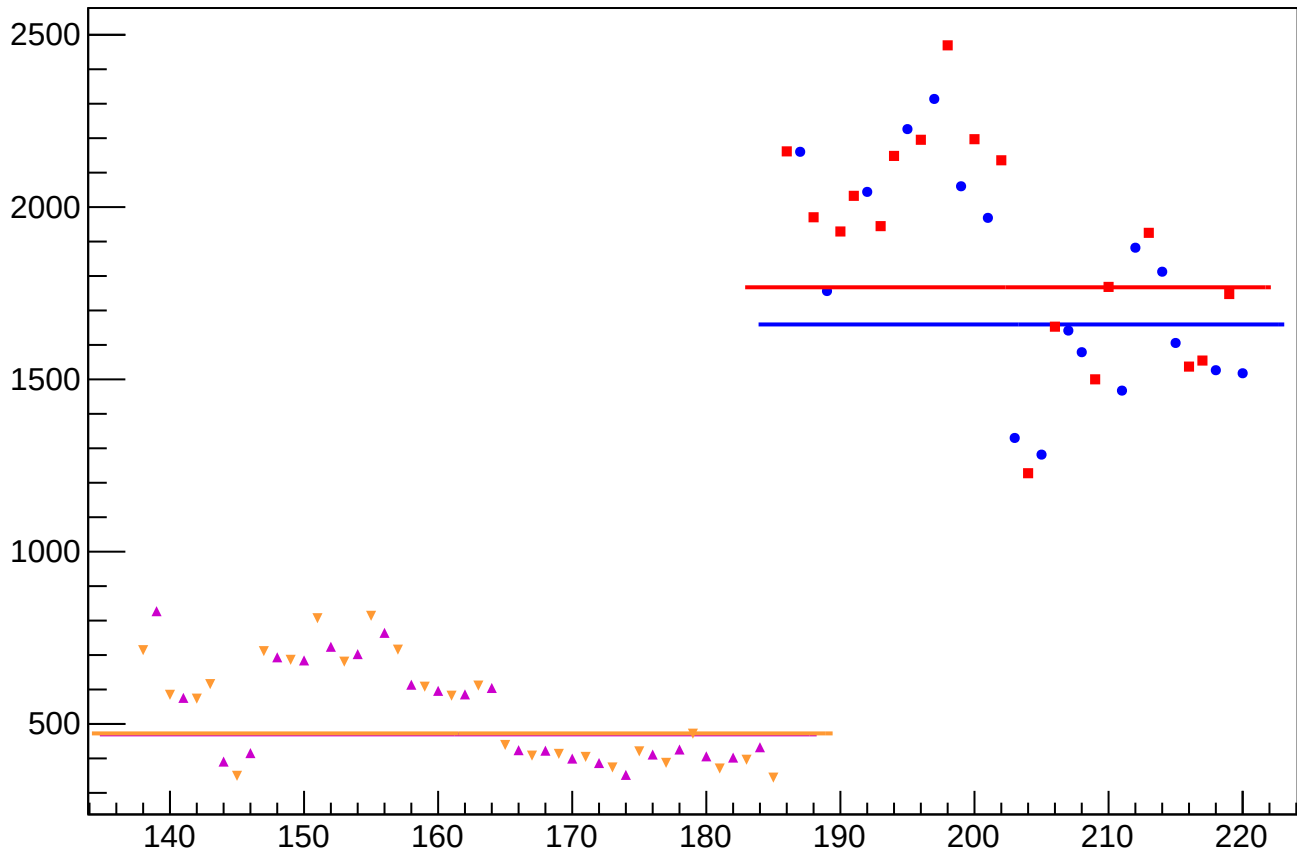
Left In: -1.825 $\pm$ 116.459 χ^2 /NDF: 32.3/22

+ sign -517.893 $\pm$ 111.305 χ^2 /NDF: 92.9/41

All: -315.092 $\pm$ 79.483 χ^2 /NDF: 168.8/82

- sign -104.061 $\pm$ 113.541 χ^2 /NDF: 69.1/40

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1659.423+/-0.340 χ^2/NDF : 733375.2/16

Left Out: 472.569+/-0.081 χ^2/NDF : 2508168.9/24

Right Out: 1767.267+/-0.361 χ^2/NDF : 807117.2/17

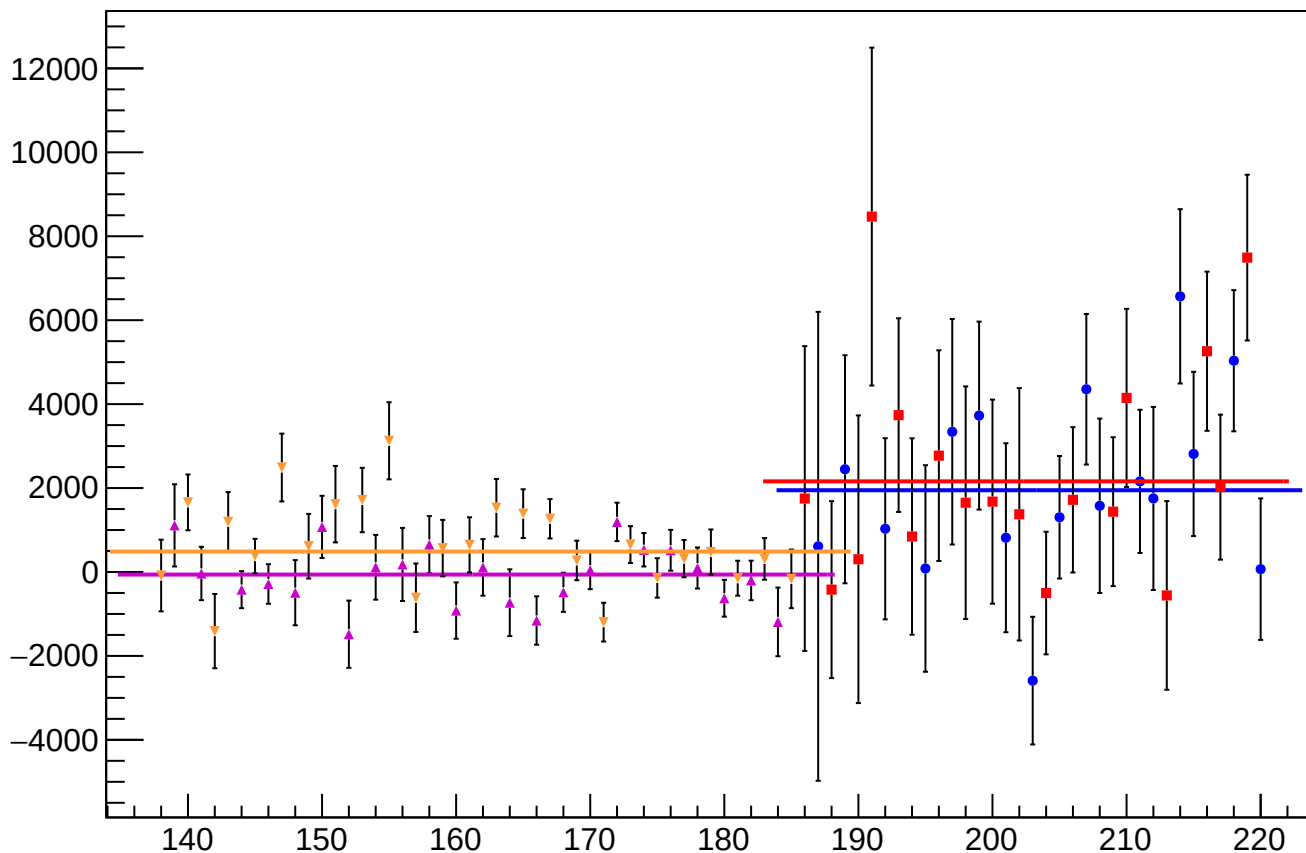
Left In: 469.761+/-0.082 χ^2/NDF : 2116885.7/22

+ sign 536.078+/-0.079 χ^2/NDF : 14758786.0/41

All: 535.037+/-0.056 χ^2/NDF : 29965612.6/82

- sign 533.955+/-0.080 χ^2/NDF : 15206470.0/40

asym_sam_3726_avg_mean vs Slug



Right In: 1947.837 $\pm$ 483.504 χ^2 /NDF: 22.7/16

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: 2159.608 $\pm$ 513.232 χ^2 /NDF: 21.1/17

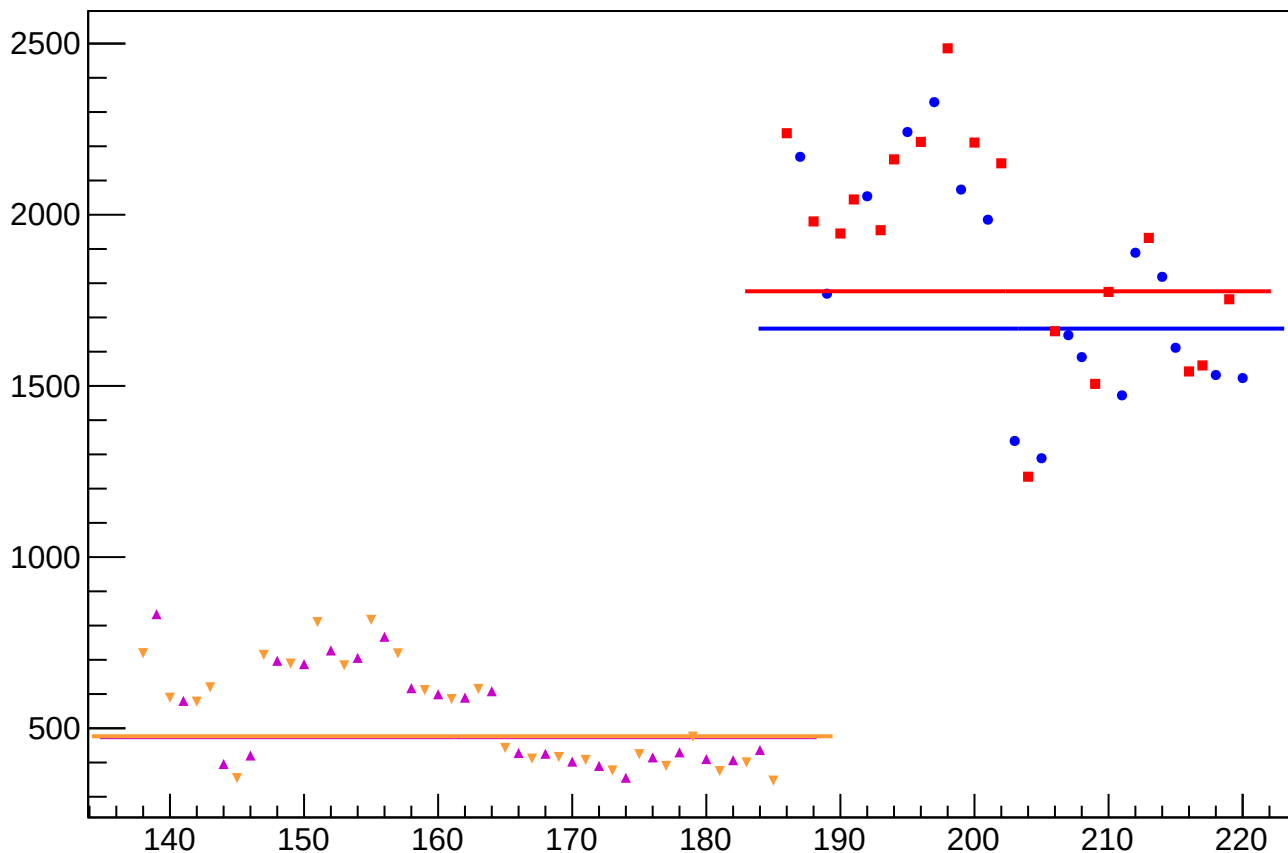
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 565.327 $\pm$ 112.198 χ^2 /NDF: 87.4/41

All: 312.268 $\pm$ 80.134 χ^2 /NDF: 167.8/82

- sign 48.767 $\pm$ 114.489 χ^2 /NDF: 70.1/40

asym_sam_3726_avg_rms vs Slug



Right In: 1667.371+/-0.342 χ^2/NDF : 736517.1/16

Left Out: 476.690+/-0.082 χ^2/NDF : 2472737.6/24

Right Out: 1776.420+/-0.363 χ^2/NDF : 819802.9/17

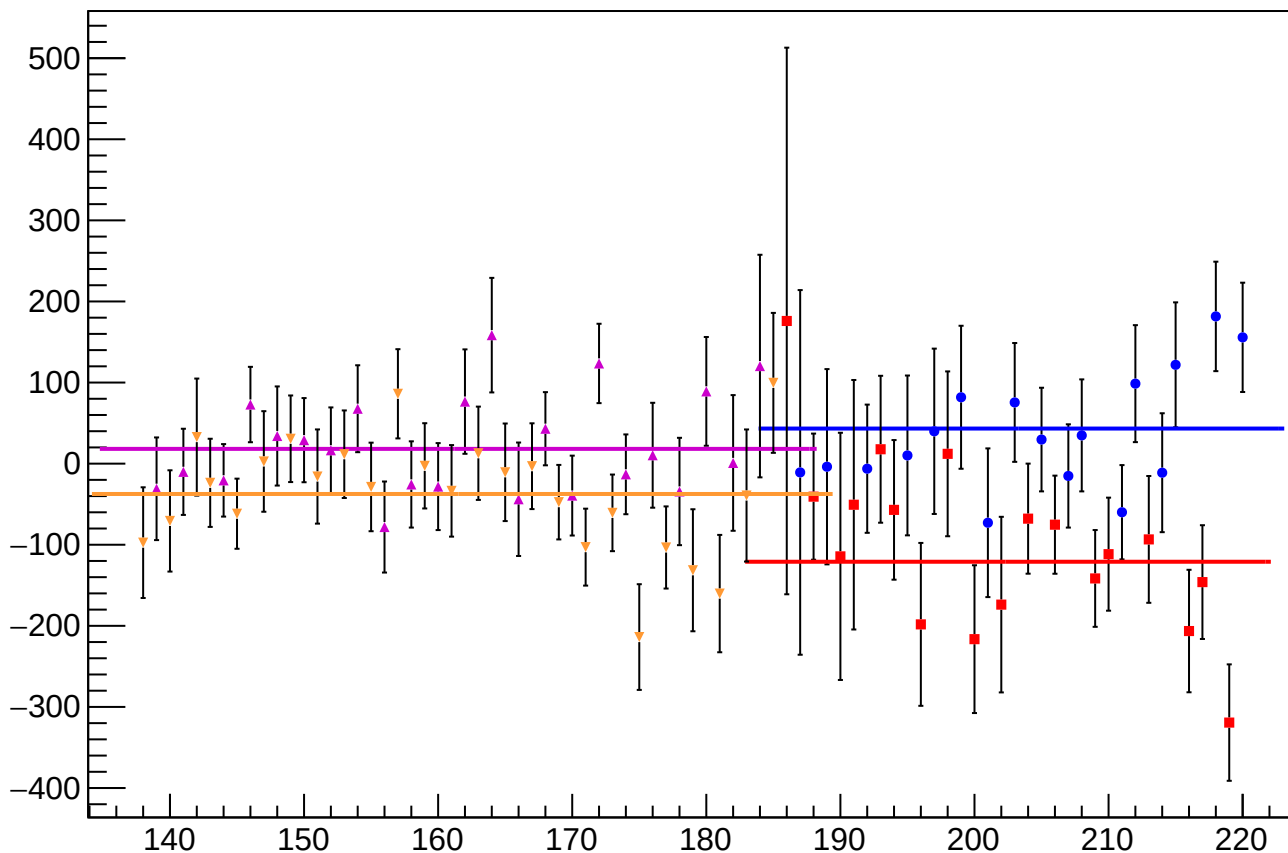
Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

+ sign 540.805+/-0.079 χ^2/NDF : 14685025.1/41

All: 539.821+/-0.057 χ^2/NDF : 29831311.4/82

- sign 538.796+/-0.081 χ^2/NDF : 15145971.9/40

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 43.271 $\pm$ 18.682 χ^2 /NDF: 15.9/16

Left Out: -37.413 $\pm$ 11.390 χ^2 /NDF:30.5/24

Right Out: -120.968 $\pm$ 19.495 χ^2 /NDF: 19.1/17

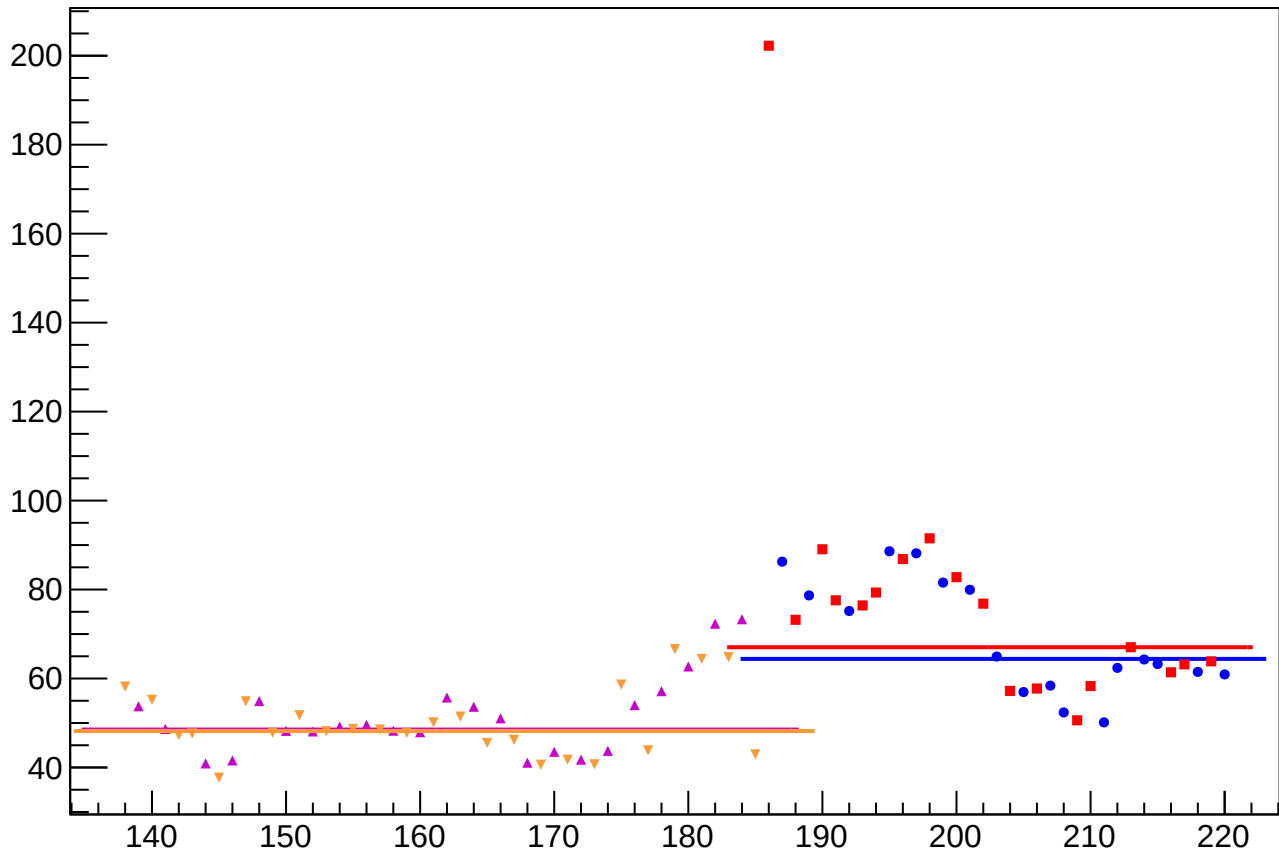
Left In: 18.210 $\pm$ 11.788 χ^2 /NDF:23.0/22

+ sign -15.549 $\pm$ 9.725 χ^2 /NDF: 60.0/41

All: -17.237 $\pm$ 7.001 χ^2 /NDF: 139.4/82

- sign -19.052 $\pm$ 10.087 χ^2 /NDF: 79.4/40

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 64.411 ± 0.013 χ^2/NDF : 683743.2/16

Left Out: 48.200 ± 0.008 χ^2/NDF : 750196.2/24

Right Out: 67.038 ± 0.014 χ^2/NDF : 1010830.6/17

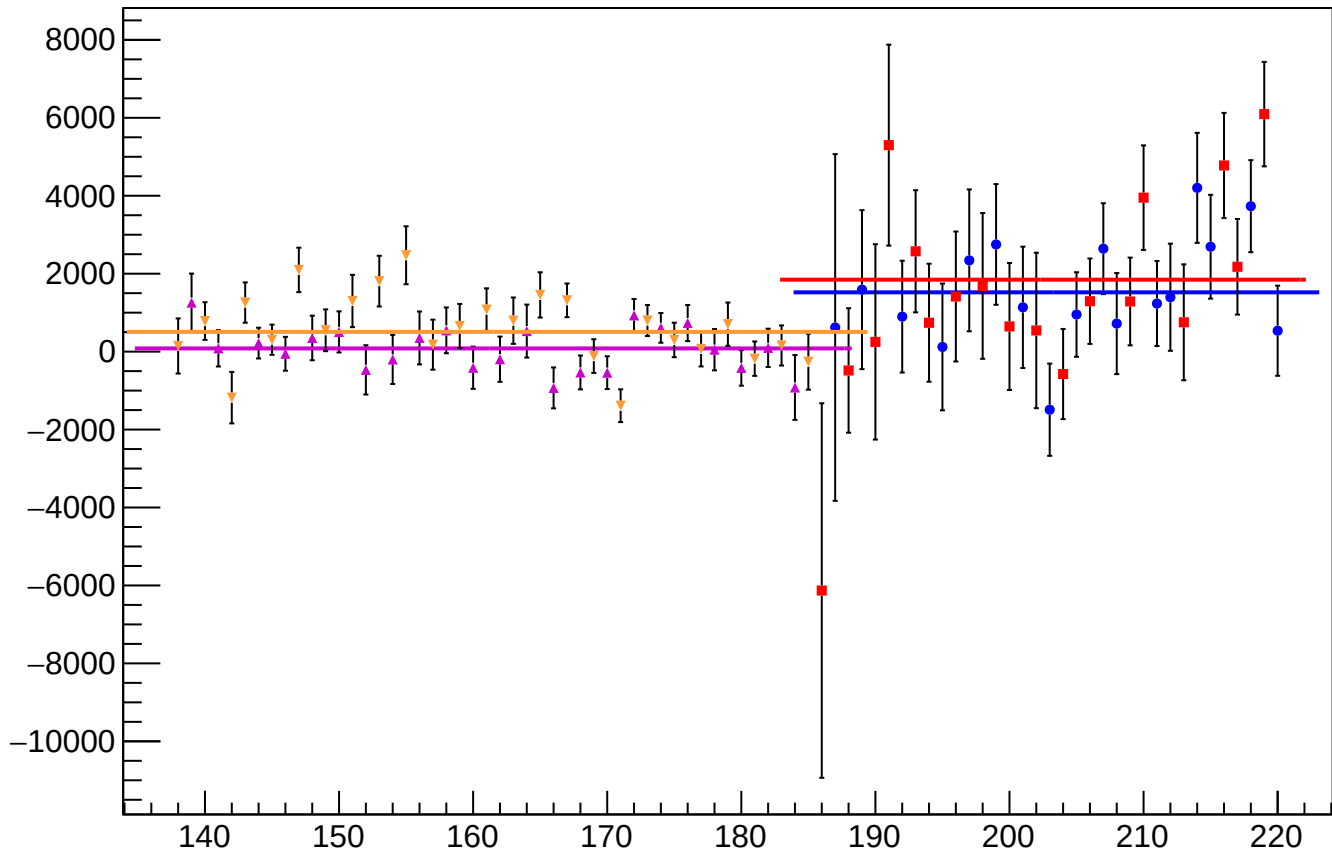
Left In: 48.527 ± 0.008 χ^2/NDF : 675340.8/22

+ sign 52.593 ± 0.007 χ^2/NDF : 2531867.0/41

All: 53.021 ± 0.005 χ^2/NDF : 5546664.8/82

- sign 53.483 ± 0.007 χ^2/NDF : 3006722.0/40

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1521.367 $\pm$ 331.860 χ^2 /NDF: 18.6/16

Left Out: 506.205 $\pm$ 103.468 χ^2 /NDF: 65.7/24

Right Out: 1846.423 $\pm$ 353.359 χ^2 /NDF: 31.6/17

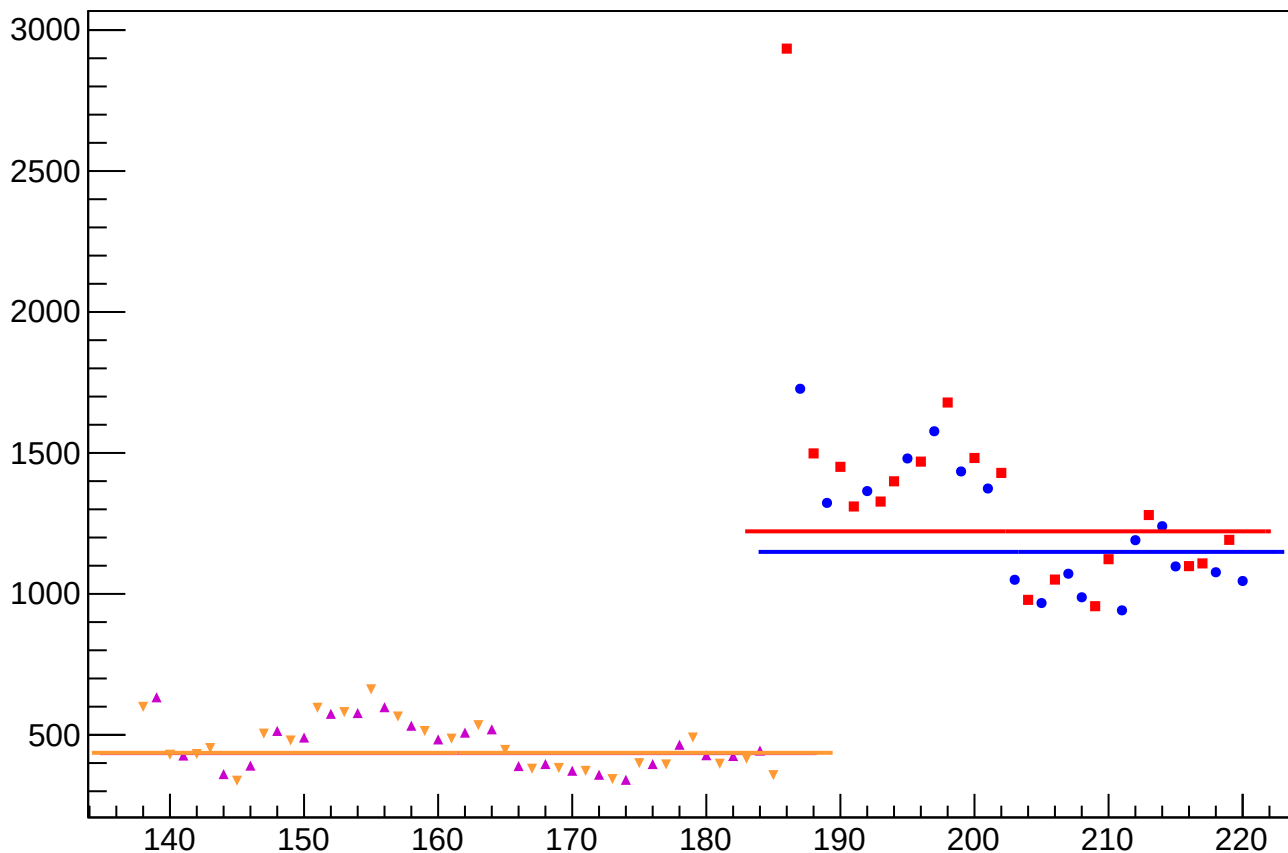
Left In: 82.421 $\pm$ 105.935 χ^2 /NDF: 25.3/22

+ sign 596.144 $\pm$ 98.778 χ^2 /NDF: 92.8/41

All: 416.972 $\pm$ 70.780 χ^2 /NDF: 179.4/82

- sign 227.890 $\pm$ 101.473 χ^2 /NDF: 79.8/40

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1149.036 $\pm$ 0.235 χ^2 /NDF: 615254.8/16

Left Out: 436.301 $\pm$ 0.073 χ^2 /NDF: 1179348.4/24

Right Out: 1221.913 $\pm$ 0.250 χ^2 /NDF: 902505.7/17

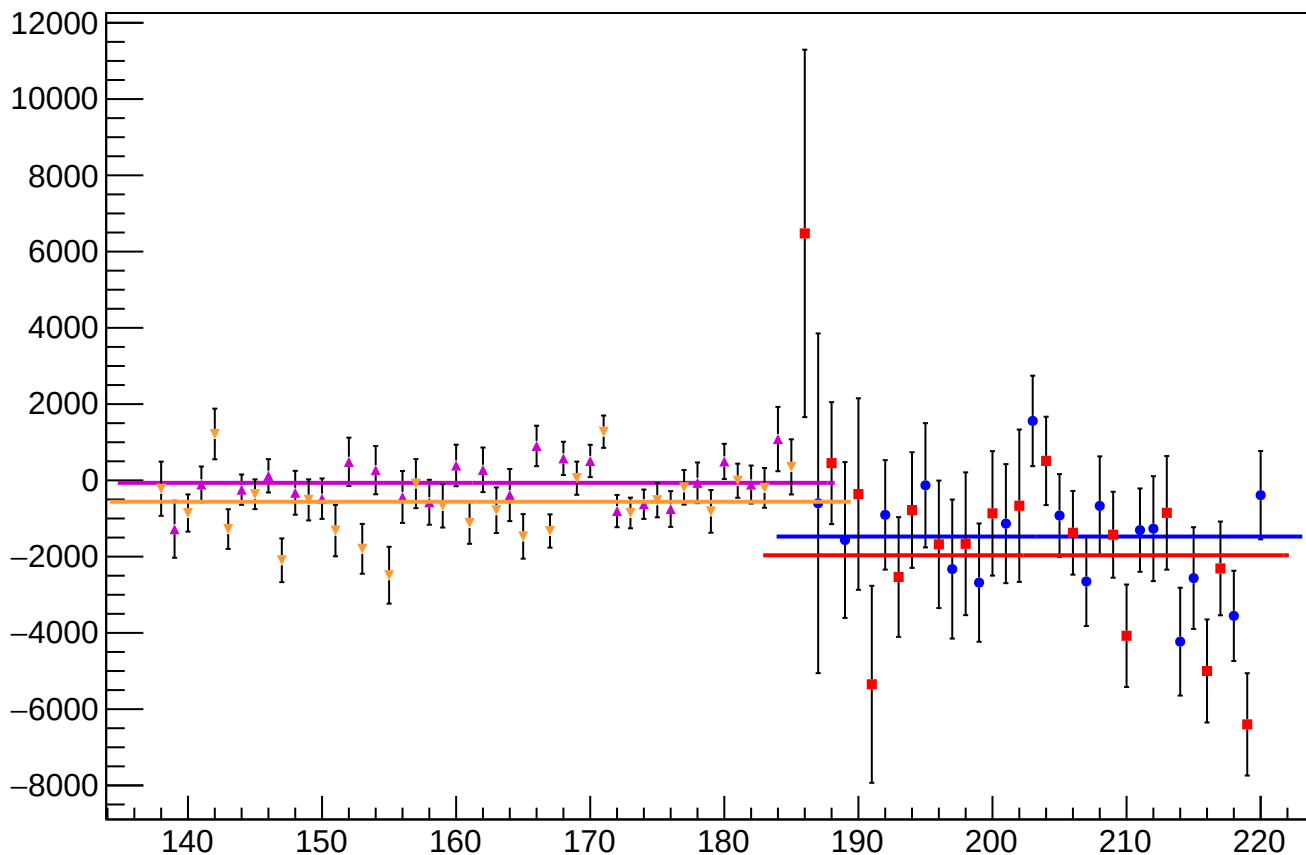
Left In: 435.275 $\pm$ 0.075 χ^2 /NDF: 1027713.1/22

+ sign 499.447 $\pm$ 0.070 χ^2 /NDF: 10202499.8/41

All: 499.786 $\pm$ 0.050 χ^2 /NDF: 21227079.2/82

- sign 500.145 $\pm$ 0.072 χ^2 /NDF: 11024530.7/40

asym_sam_15_48_dd_mean vs Slug



Right In: -1473.121+/-332.414 χ^2/NDF : 18.4/16

Left Out: -560.684+/-104.207 χ^2/NDF : 61.8/24

Right Out: -1963.961+/-353.931 χ^2/NDF : 33.3/17

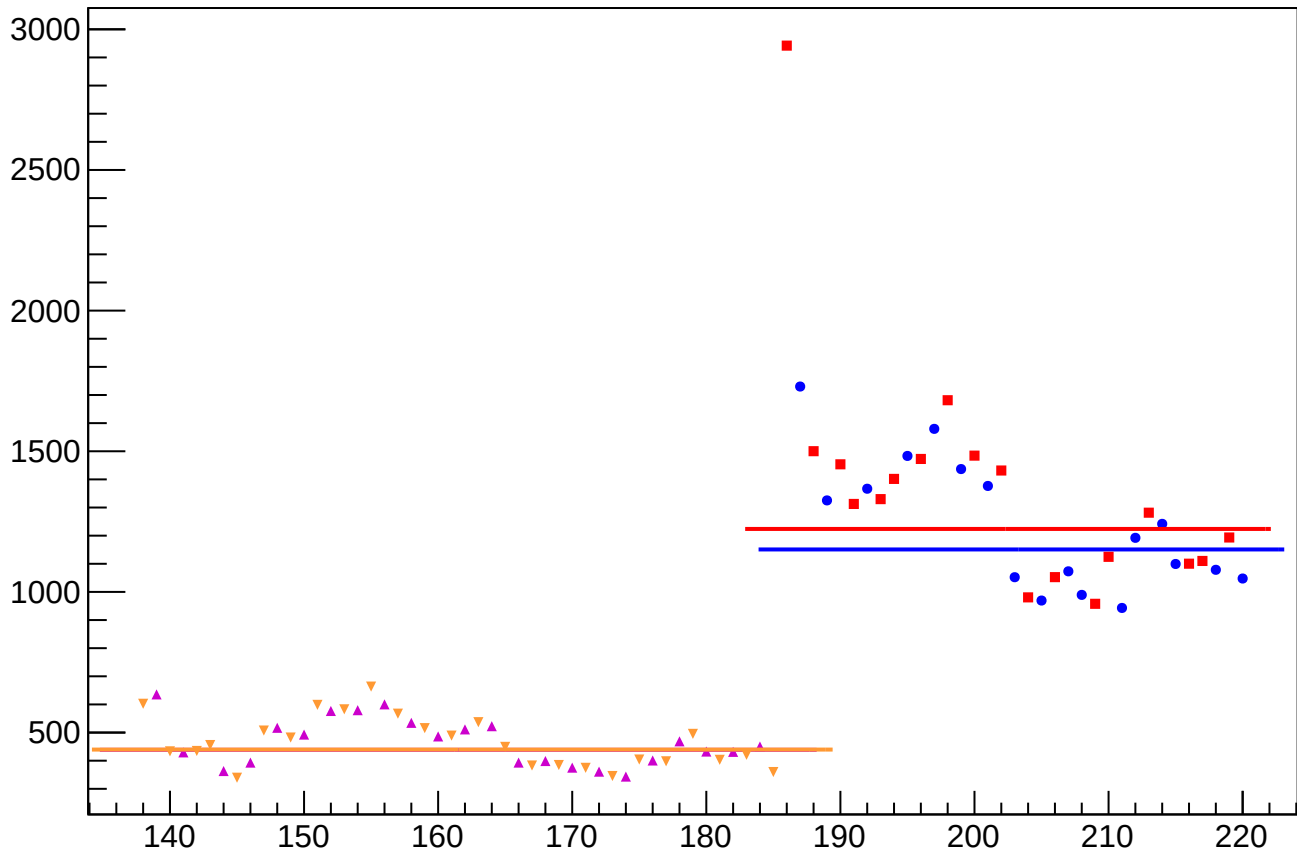
Left In: -64.594+/-106.708 χ^2/NDF : 25.2/22

+ sign -642.329+/-99.436 χ^2/NDF : 87.0/41

All: -438.271+/-71.257 χ^2/NDF : 180.6/82

- sign -222.856+/-102.165 χ^2/NDF : 84.9/40

asym_sam_15_48_dd_rms vs Slug



Right In: 1150.952 $\pm$ 0.235 χ^2/NDF : 615596.6/16

Left Out: 439.527 $\pm$ 0.074 χ^2/NDF : 1163352.8/24

Right Out: 1223.878 $\pm$ 0.250 χ^2/NDF : 903197.8/17

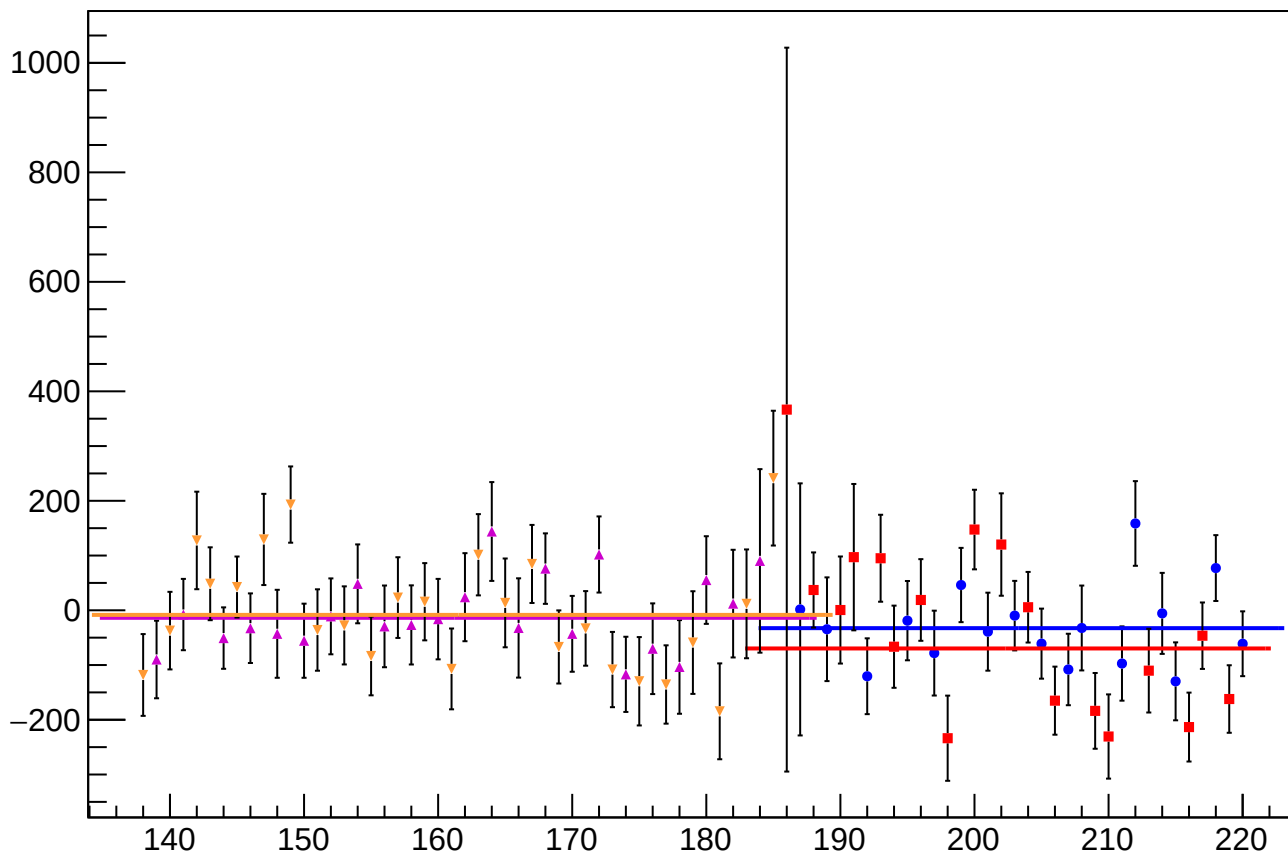
Left In: 438.548 $\pm$ 0.075 χ^2/NDF : 1013071.4/22

+ sign 503.185 $\pm$ 0.070 χ^2/NDF : 10119959.6/41

All: 503.574 $\pm$ 0.050 χ^2/NDF : 21062637.2/82

- sign 503.984 $\pm$ 0.072 χ^2/NDF : 10942614.8/40

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -32.637 ± 17.331 χ^2/NDF : 17.6/16

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: -69.741 ± 17.694 χ^2/NDF : 46.8/17

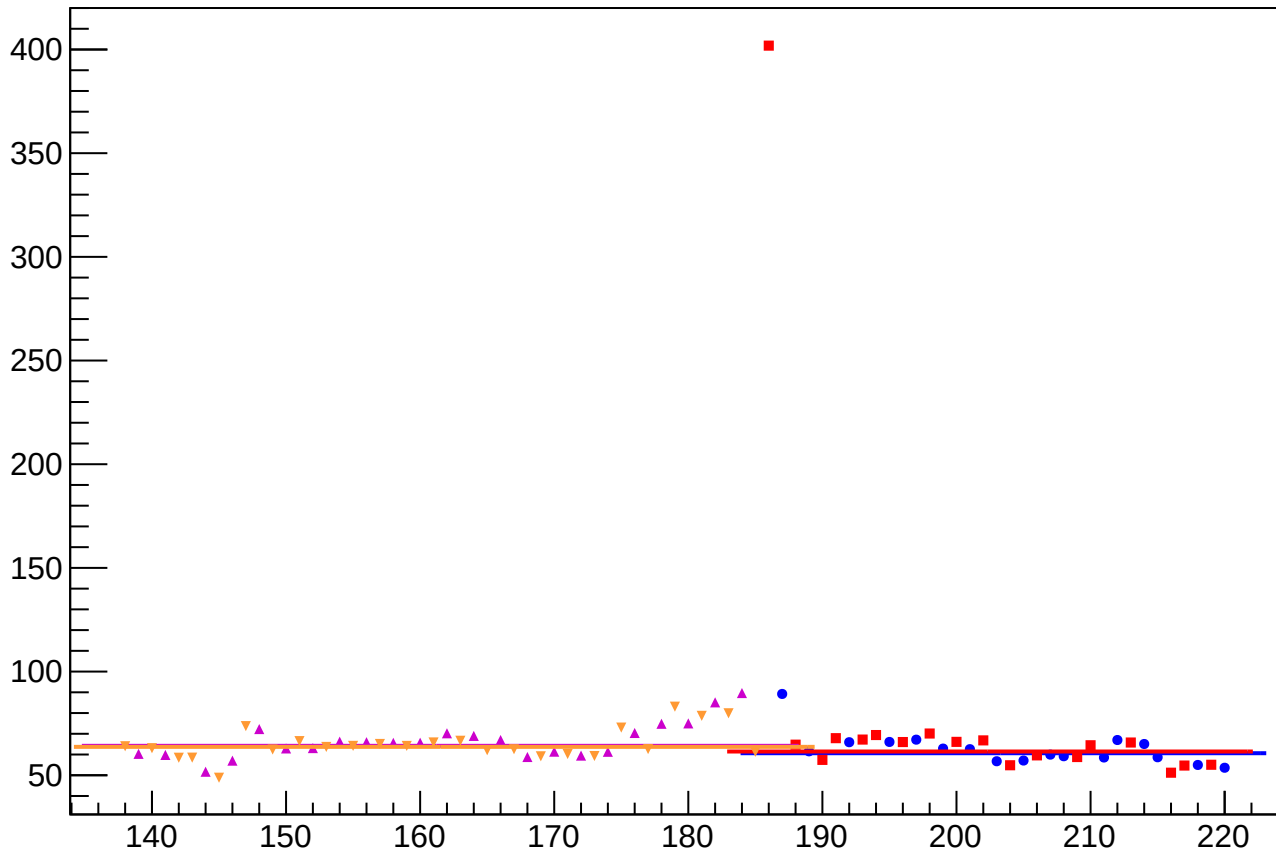
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -18.738 ± 11.314 χ^2/NDF : 60.3/41

All: -28.091 ± 8.116 χ^2/NDF : 130.5/82

- sign -38.007 ± 11.650 χ^2/NDF : 68.7/40

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 60.628 $\pm$ 0.012 χ^2 /NDF: 156238.2/16

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 61.453 $\pm$ 0.013 χ^2 /NDF: 757318.6/17

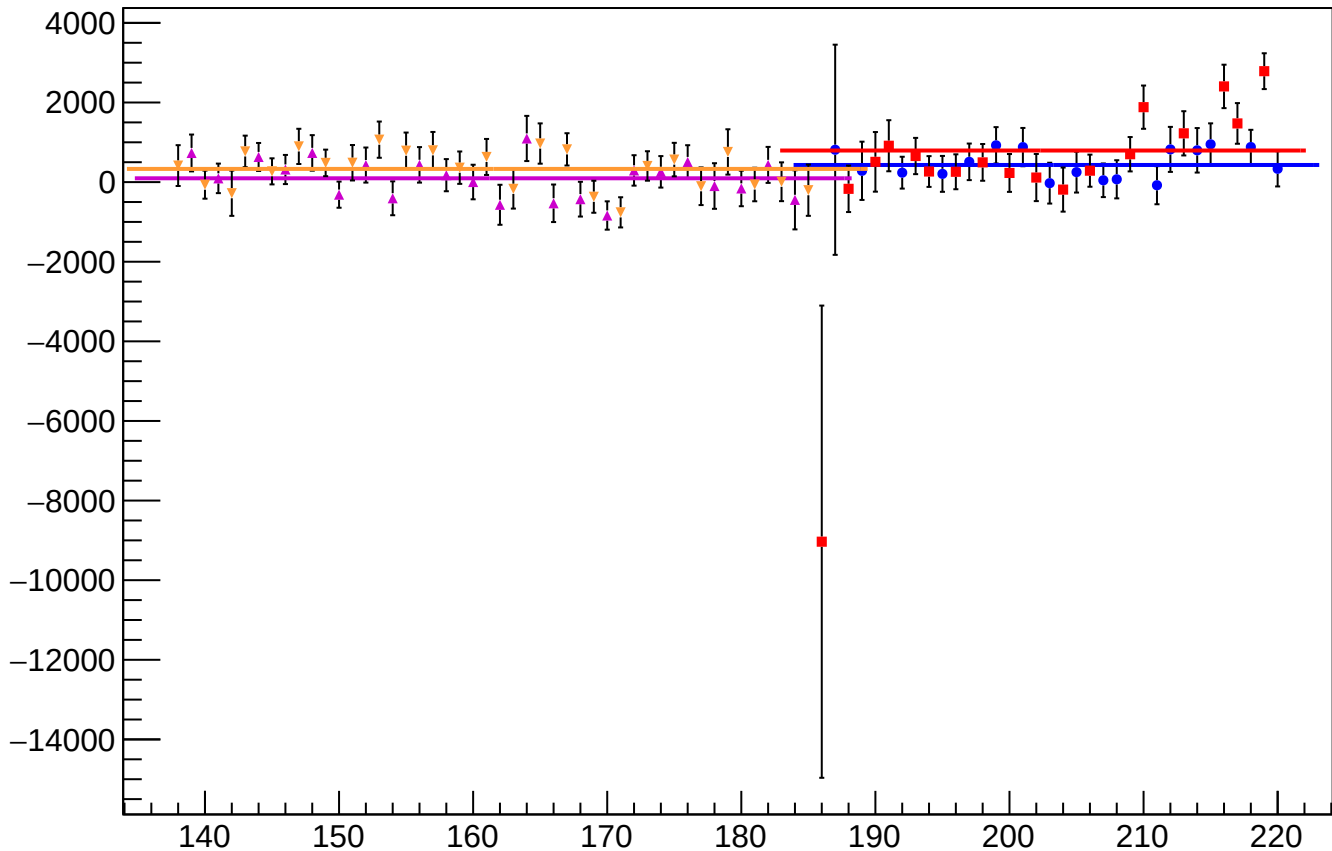
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 62.389 $\pm$ 0.008 χ^2 /NDF: 640637.4/41

All: 62.687 $\pm$ 0.006 χ^2 /NDF: 1857581.5/82

- sign 63.003 $\pm$ 0.008 χ^2 /NDF: 1214081.9/40

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 430.547 ± 120.082 χ^2/NDF : 9.1/16

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: 793.762 ± 120.035 χ^2/NDF : 51.7/17

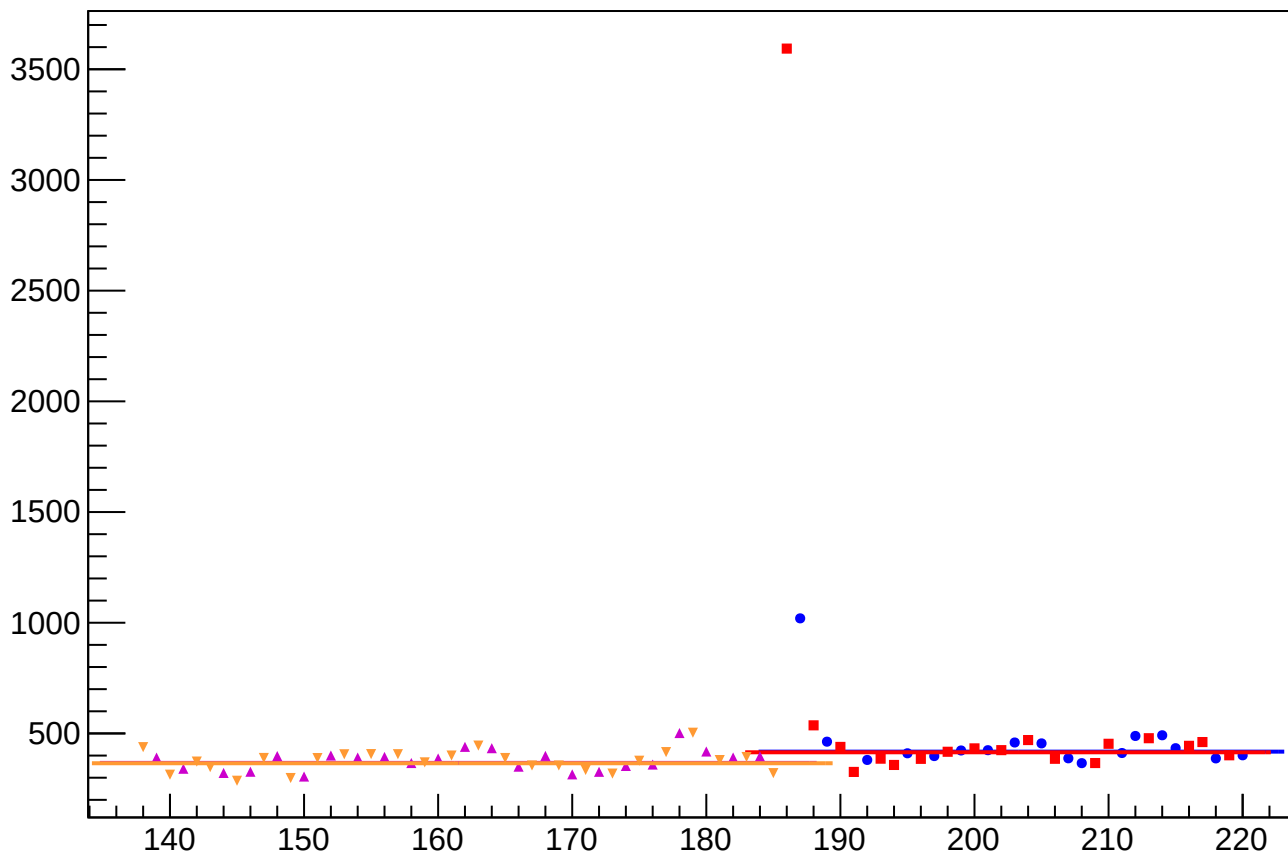
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 365.273 ± 69.957 χ^2/NDF : 39.4/41

All: 353.971 ± 49.940 χ^2/NDF : 141.7/82

- sign 342.225 ± 71.314 χ^2/NDF : 102.3/40

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 417.777 $\pm$ 0.085 χ^2 /NDF: 272504.4/16

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 414.846 $\pm$ 0.085 χ^2 /NDF: 882088.9/17

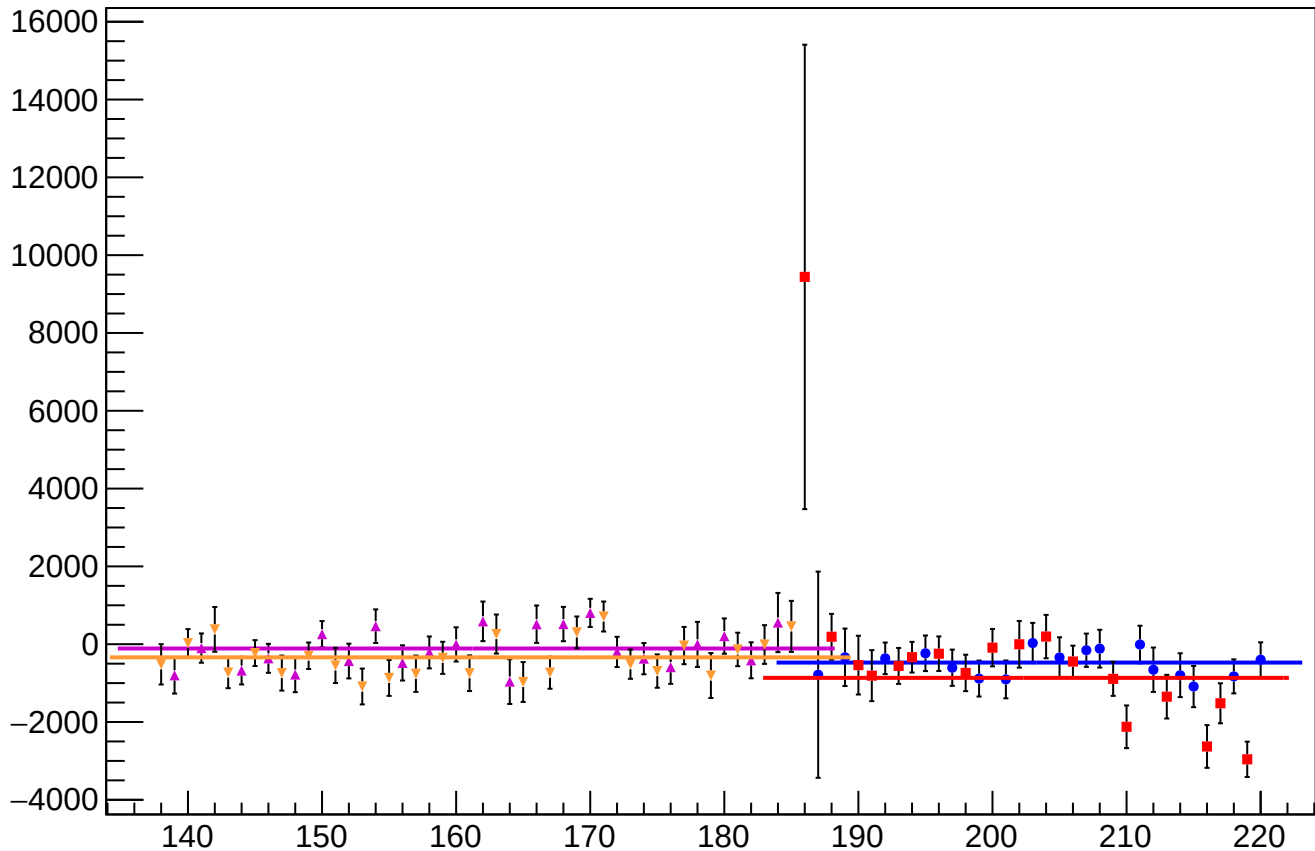
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 383.147 $\pm$ 0.049 χ^2 /NDF: 1142745.8/41

All: 383.486 $\pm$ 0.035 χ^2 /NDF: 2709264.5/82

- sign 383.839 $\pm$ 0.050 χ^2 /NDF: 1566422.6/40

asym_sam_37_48_dd_mean vs Slug



Right In: -472.272 $\pm$ 121.440 χ^2 /NDF: 7.5/16

Left Out: -338.528 $\pm$ 87.450 χ^2 /NDF: 28.2/24

Right Out: -865.125 $\pm$ 121.512 χ^2 /NDF: 59.2/17

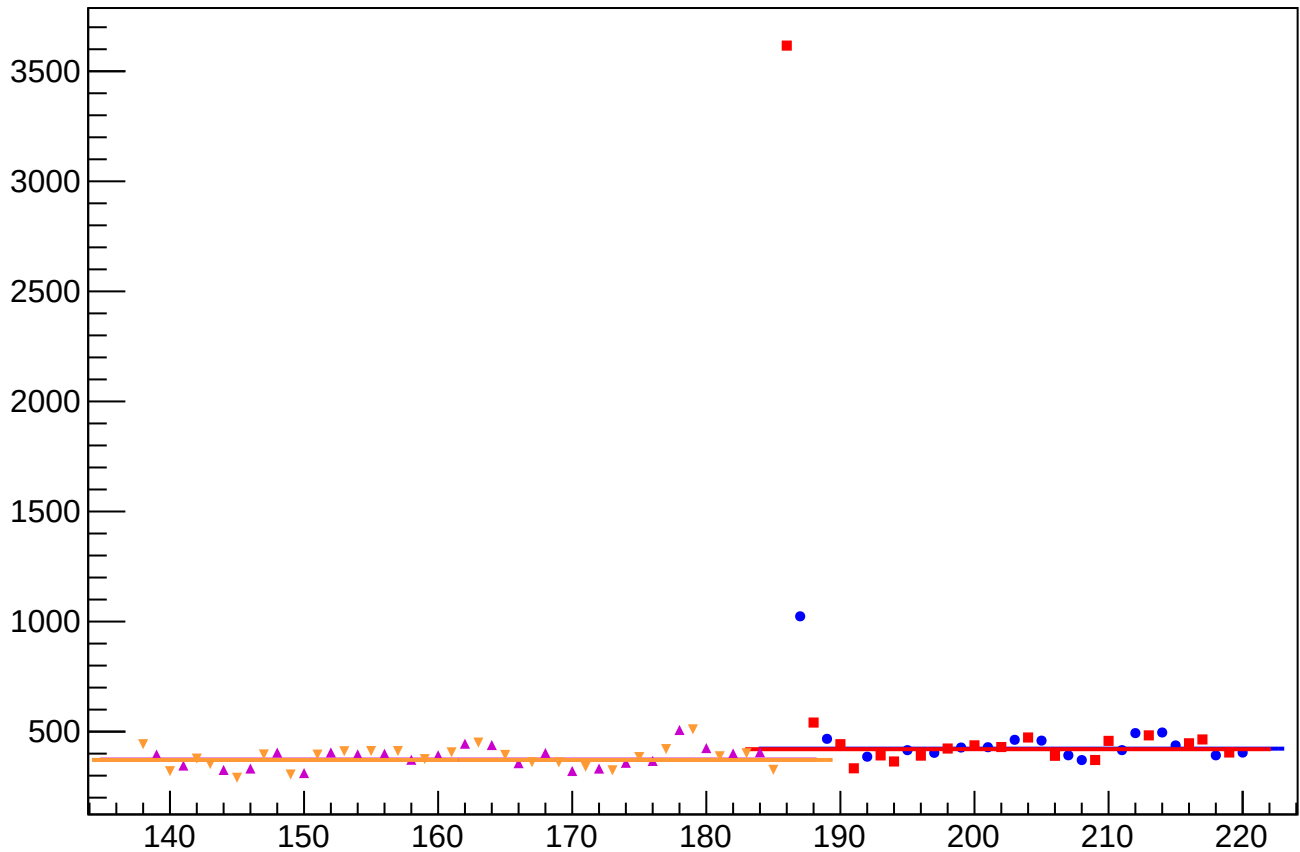
Left In: -110.341 $\pm$ 90.084 χ^2 /NDF: 29.2/22

+ sign -384.199 $\pm$ 70.965 χ^2 /NDF: 36.6/41

All: -381.183 $\pm$ 50.668 χ^2 /NDF: 149.9/82

- sign -378.046 $\pm$ 72.366 χ^2 /NDF: 113.3/40

asym_sam_37_48_dd_rms vs Slug



Right In: 422.640+/-0.086 χ^2/NDF : 264907.7/16

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 420.139+/-0.086 χ^2/NDF : 865078.5/17

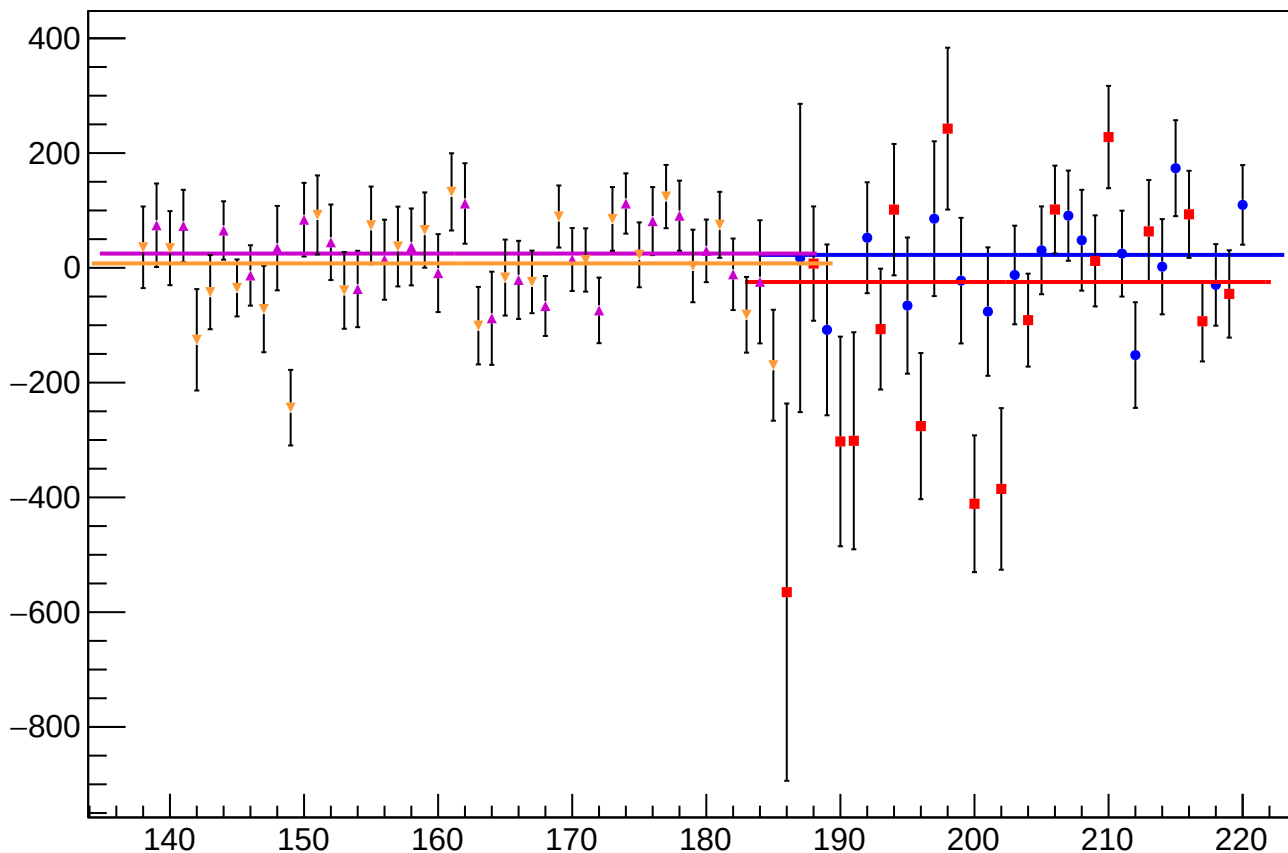
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 388.868+/-0.050 χ^2/NDF : 1103855.9/41

All: 389.266+/-0.036 χ^2/NDF : 2631154.5/82

- sign 389.679+/-0.051 χ^2/NDF : 1527170.7/40

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 22.569 ± 22.120 χ^2/NDF : 12.6/16

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -24.678 ± 23.245 χ^2/NDF : 49.7/17

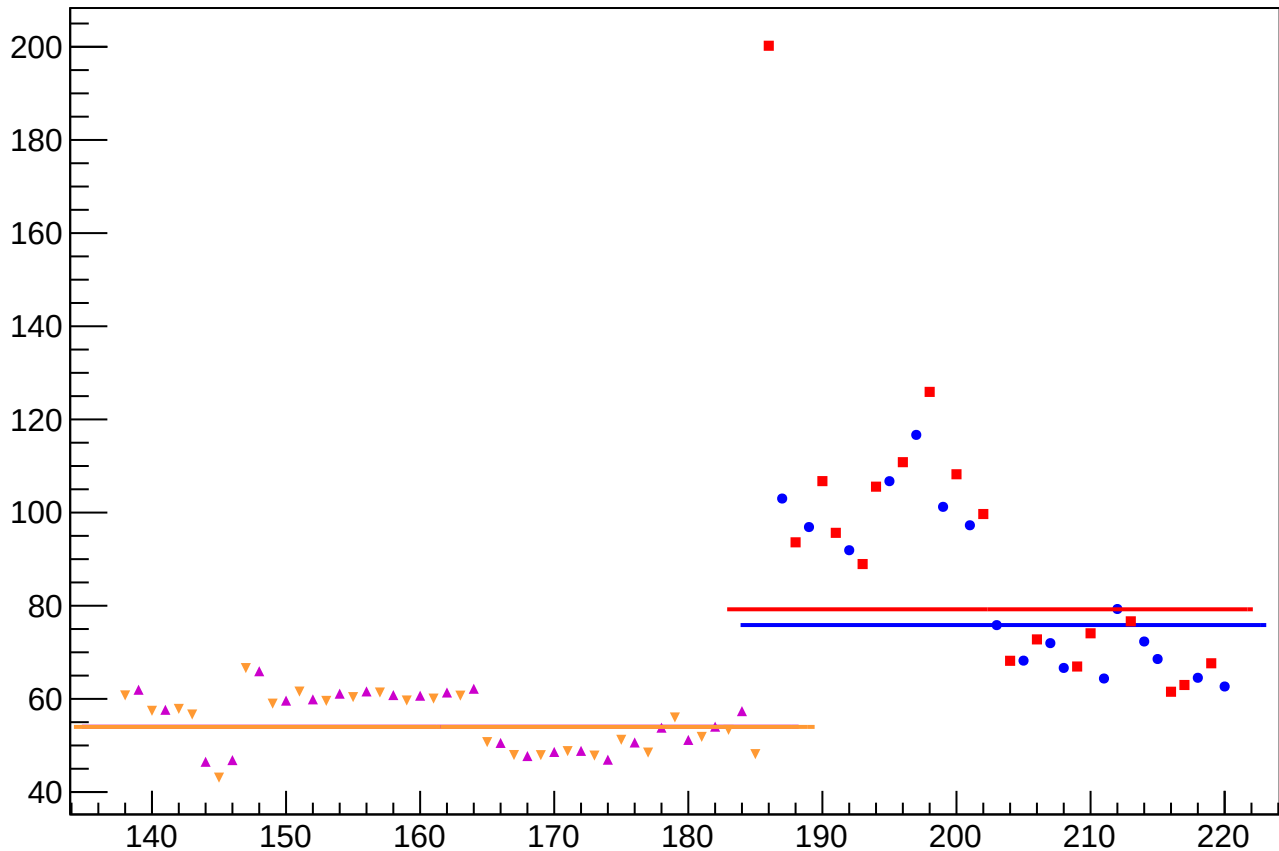
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 11.385 ± 10.985 χ^2/NDF : 58.4/41

All: 12.184 ± 7.898 χ^2/NDF : 131.3/82

- sign 13.039 ± 11.365 χ^2/NDF : 72.9/40

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 75.853+/-0.016 χ^2/NDF : 853833.9/16

Left Out: 53.984+/-0.009 χ^2/NDF : 458972.1/24

Right Out: 79.233+/-0.016 χ^2/NDF : 1369426.2/17

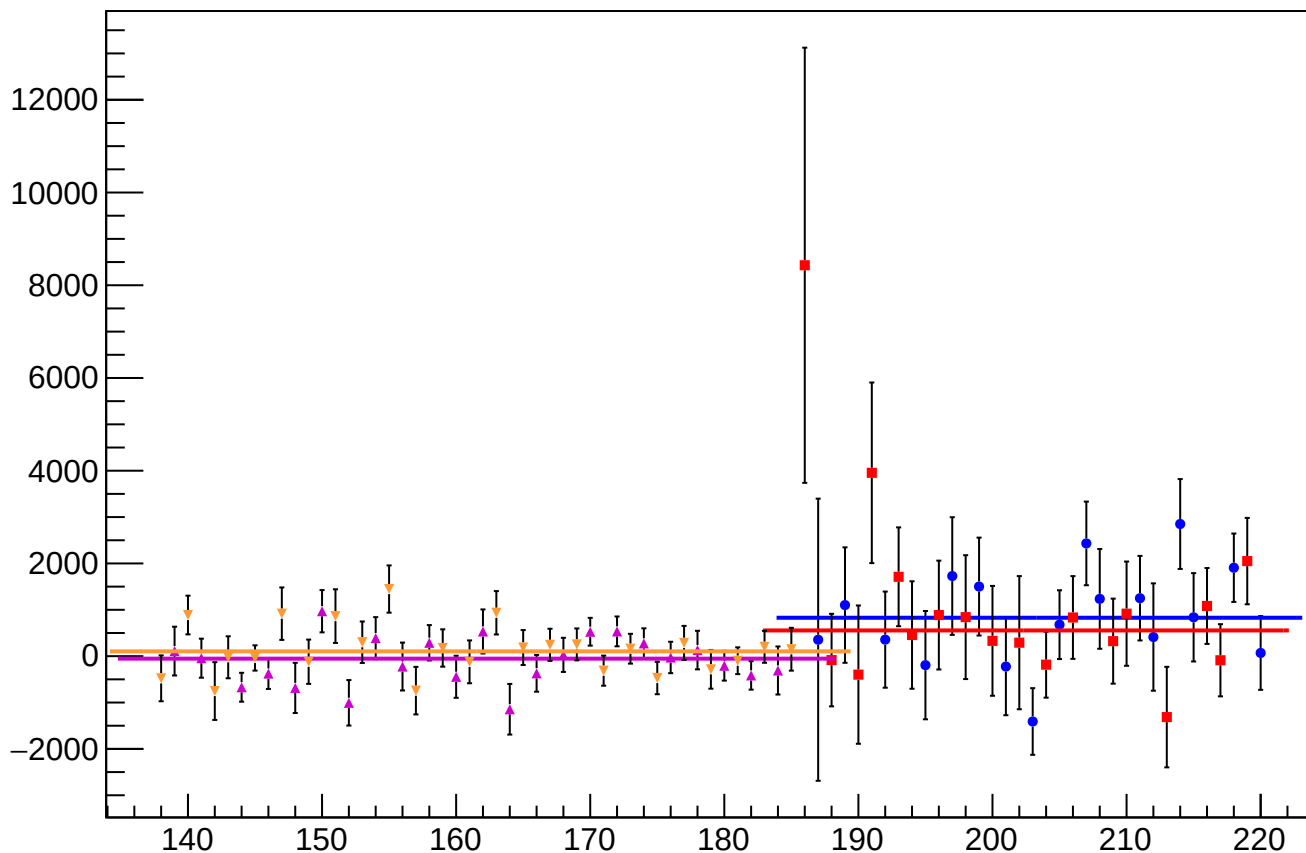
Left In: 54.028+/-0.009 χ^2/NDF : 443819.5/22

+ sign 59.377+/-0.008 χ^2/NDF : 2785602.2/41

All: 59.704+/-0.006 χ^2/NDF : 6391938.1/82

- sign 60.053+/-0.008 χ^2/NDF : 3602675.6/40

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 828.912 ± 234.263 χ^2/NDF : 23.7/16

Left Out: 103.768 ± 79.344 χ^2/NDF : 31.0/24

Right Out: 555.176 ± 248.217 χ^2/NDF : 16.1/17

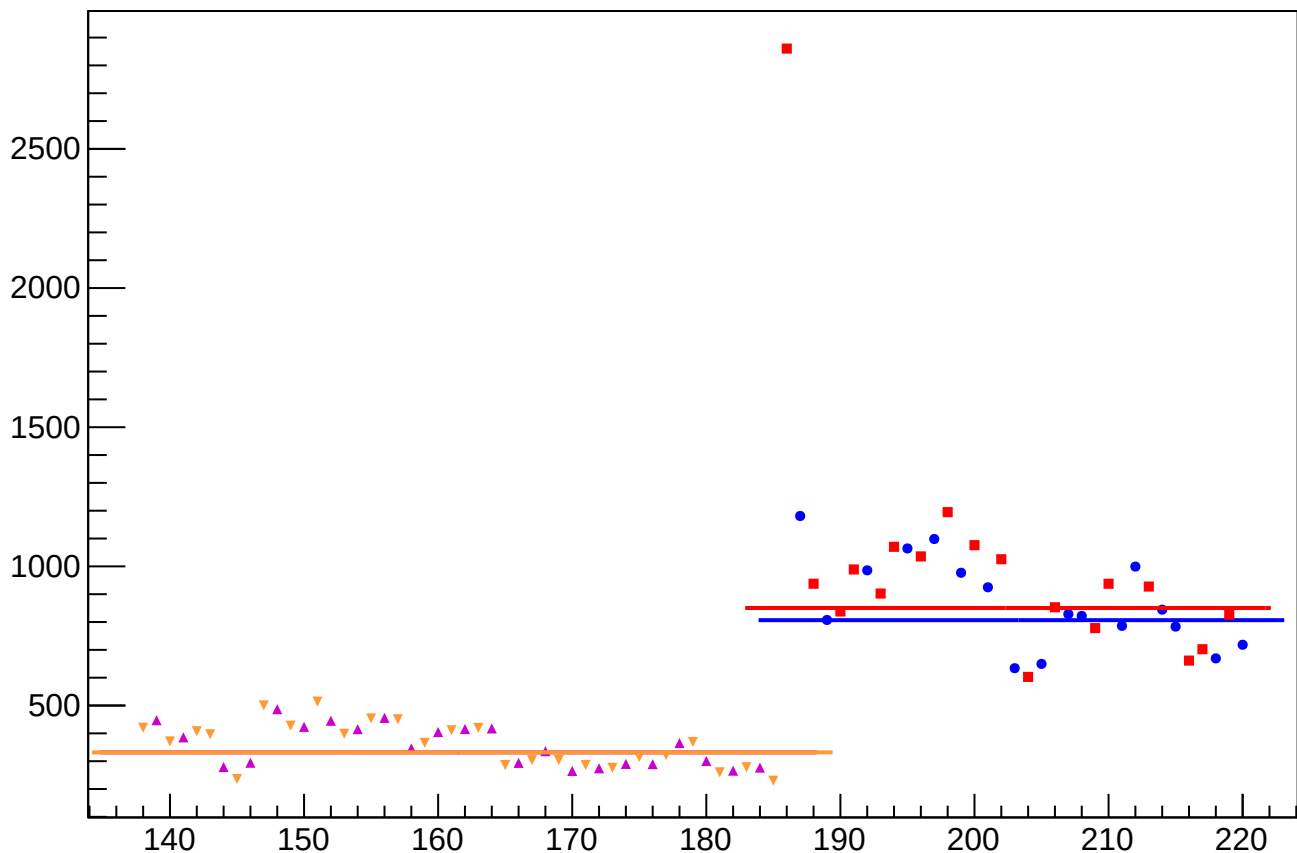
Left In: -53.493 ± 81.201 χ^2/NDF : 34.1/22

+ sign 178.392 ± 75.151 χ^2/NDF : 63.3/41

All: 94.171 ± 53.841 χ^2/NDF : 121.5/82

- sign 5.349 ± 77.176 χ^2/NDF : 55.6/40

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 806.694 ± 0.166 $\chi^2/\text{NDF}: 731465.0/16$

Left Out: 331.770 ± 0.056 $\chi^2/\text{NDF}: 1711721.9/24$

Right Out: 850.467 ± 0.176 $\chi^2/\text{NDF}: 1212154.9/17$

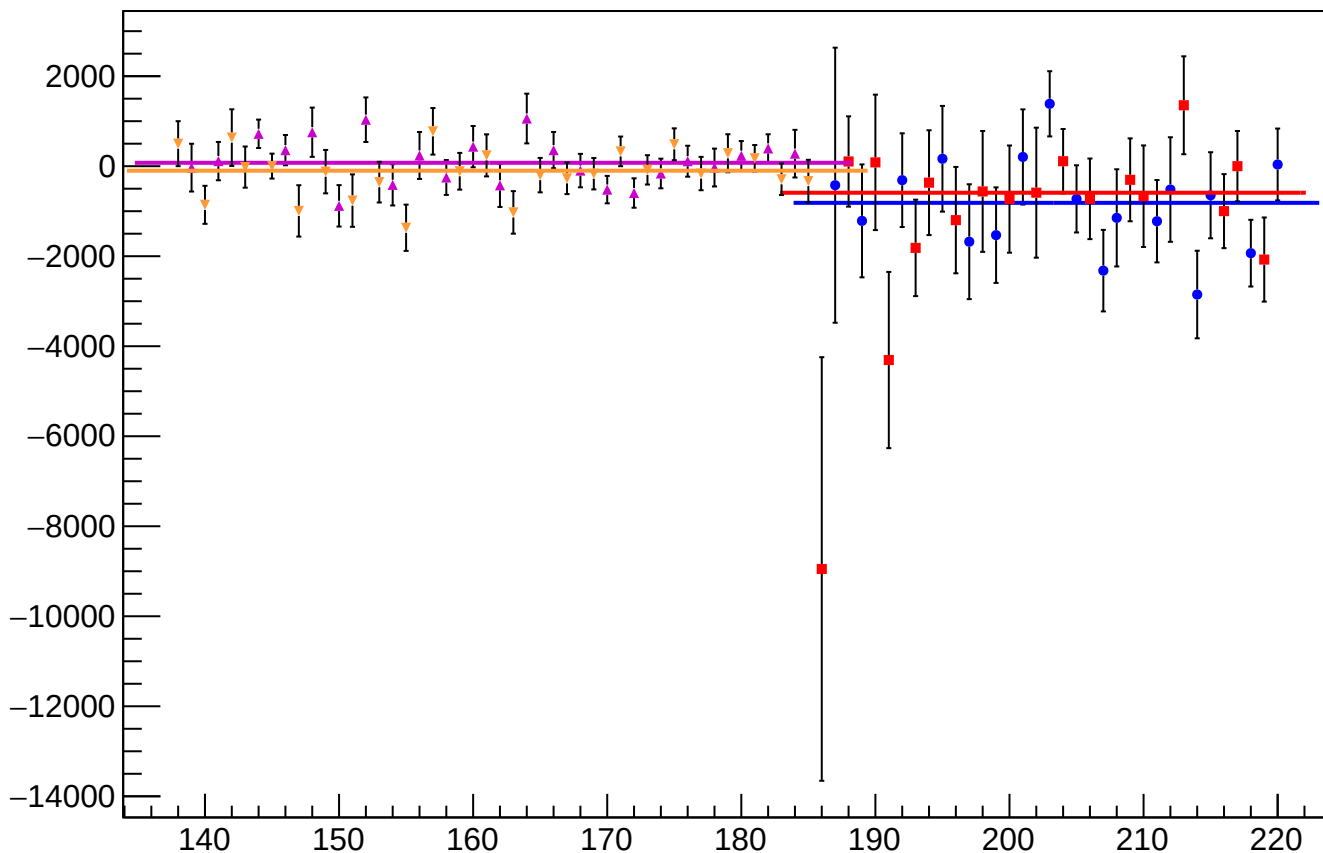
Left In: 331.666 ± 0.057 $\chi^2/\text{NDF}: 1303192.2/22$

+ sign 380.645 ± 0.053 $\chi^2/\text{NDF}: 9817229.1/41$

All: 381.217 ± 0.038 $\chi^2/\text{NDF}: 20225293.8/82$

- sign 381.820 ± 0.055 $\chi^2/\text{NDF}: 10407826.7/40$

asym_sam_15_26_dd_mean vs Slug



Right In: -814.167 ± 235.455 χ^2/NDF : 23.1/16

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -589.759 ± 249.442 χ^2/NDF : 16.7/17

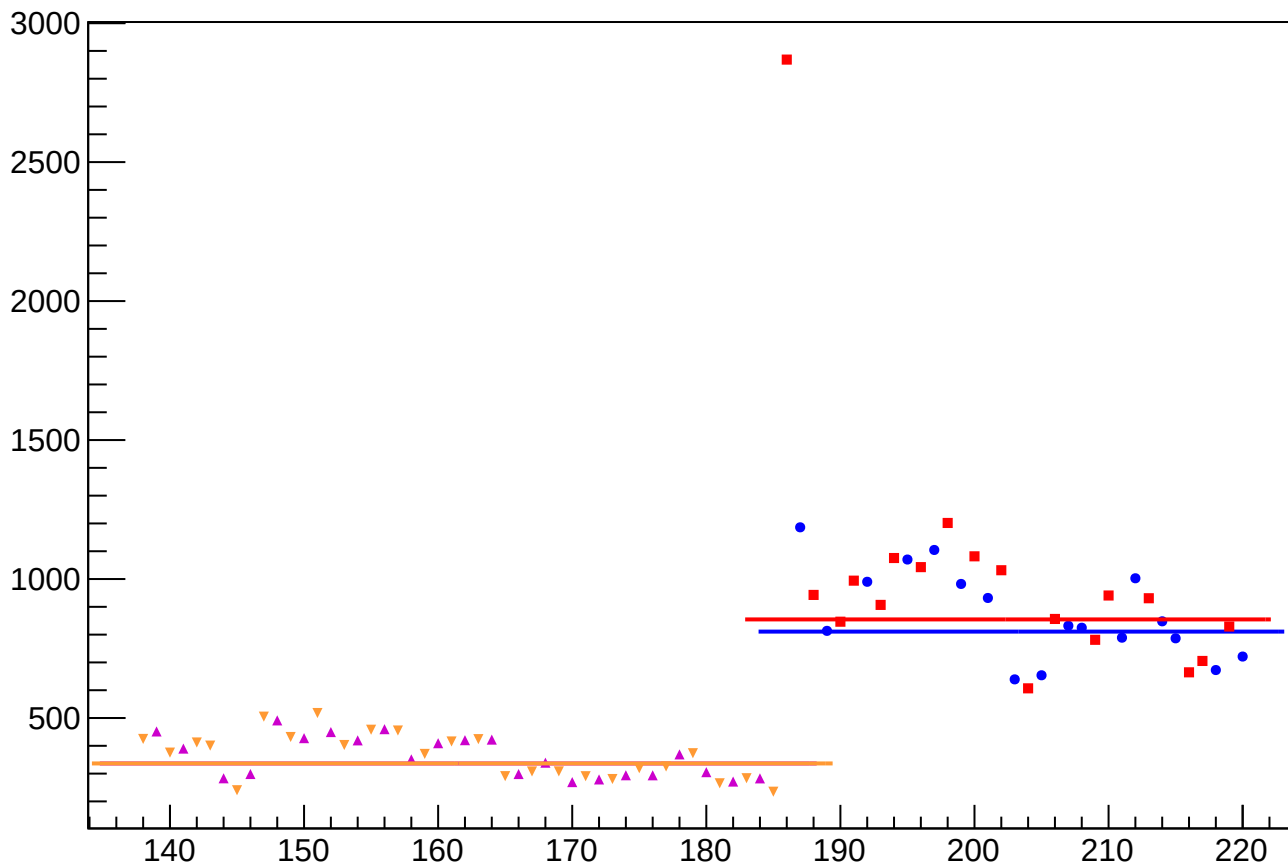
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -174.430 ± 76.110 χ^2/NDF : 62.0/41

All: -84.564 ± 54.532 χ^2/NDF : 120.0/82

- sign 10.235 ± 78.172 χ^2/NDF : 55.2/40

asym_sam_15_26_dd_rms vs Slug



Right In: 810.880 ± 0.166 χ^2/NDF : 728685.4/16

Left Out: 336.557 ± 0.057 χ^2/NDF : 1665919.4/24

Right Out: 854.721 ± 0.176 χ^2/NDF : 1211169.1/17

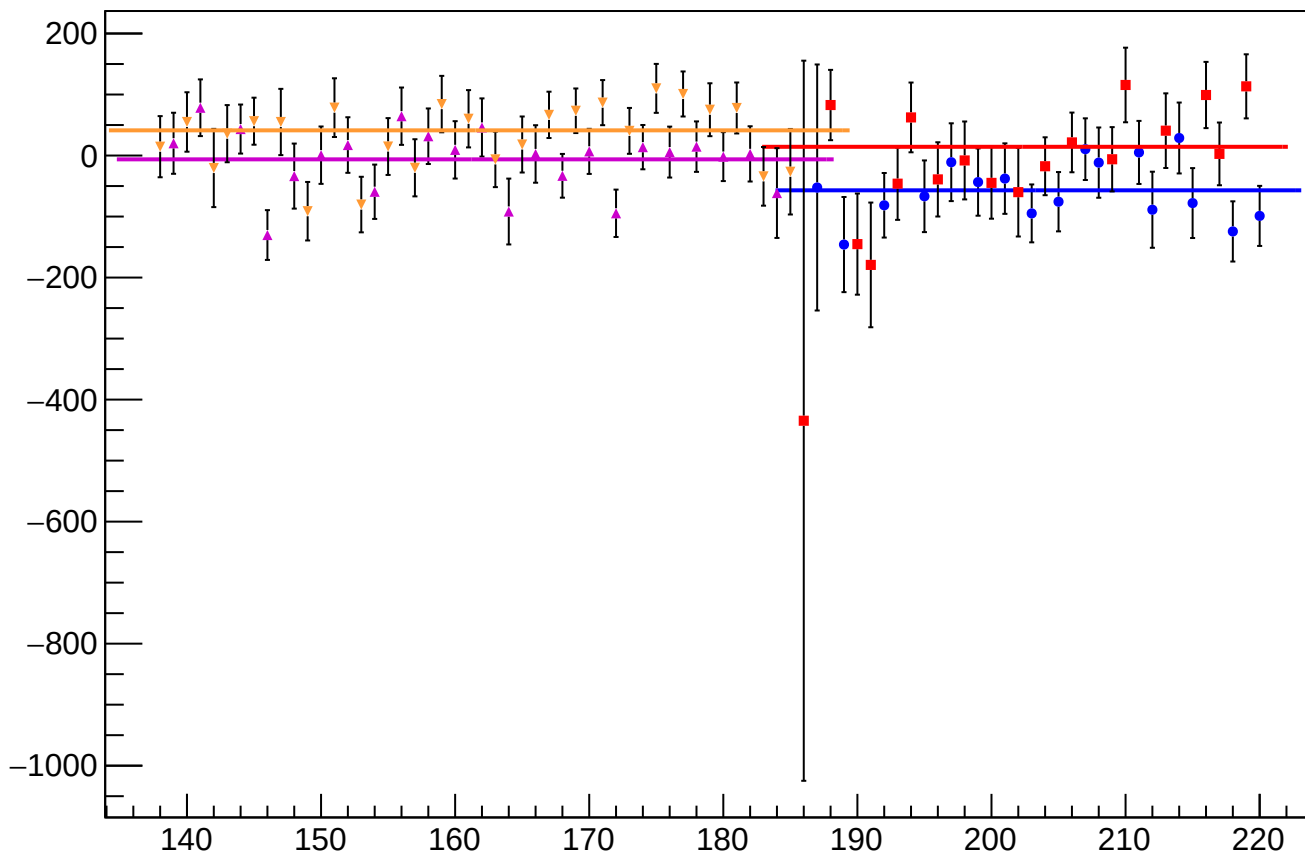
Left In: 336.439 ± 0.058 χ^2/NDF : 1269066.3/22

+ sign 386.119 ± 0.054 χ^2/NDF : 9662873.9/41

All: 386.713 ± 0.039 χ^2/NDF : 19929597.5/82

- sign 387.341 ± 0.055 χ^2/NDF : 10266472.7/40

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -57.011 ± 13.701 χ^2/NDF : 12.0/16

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: 14.322 ± 14.188 χ^2/NDF : 23.6/17

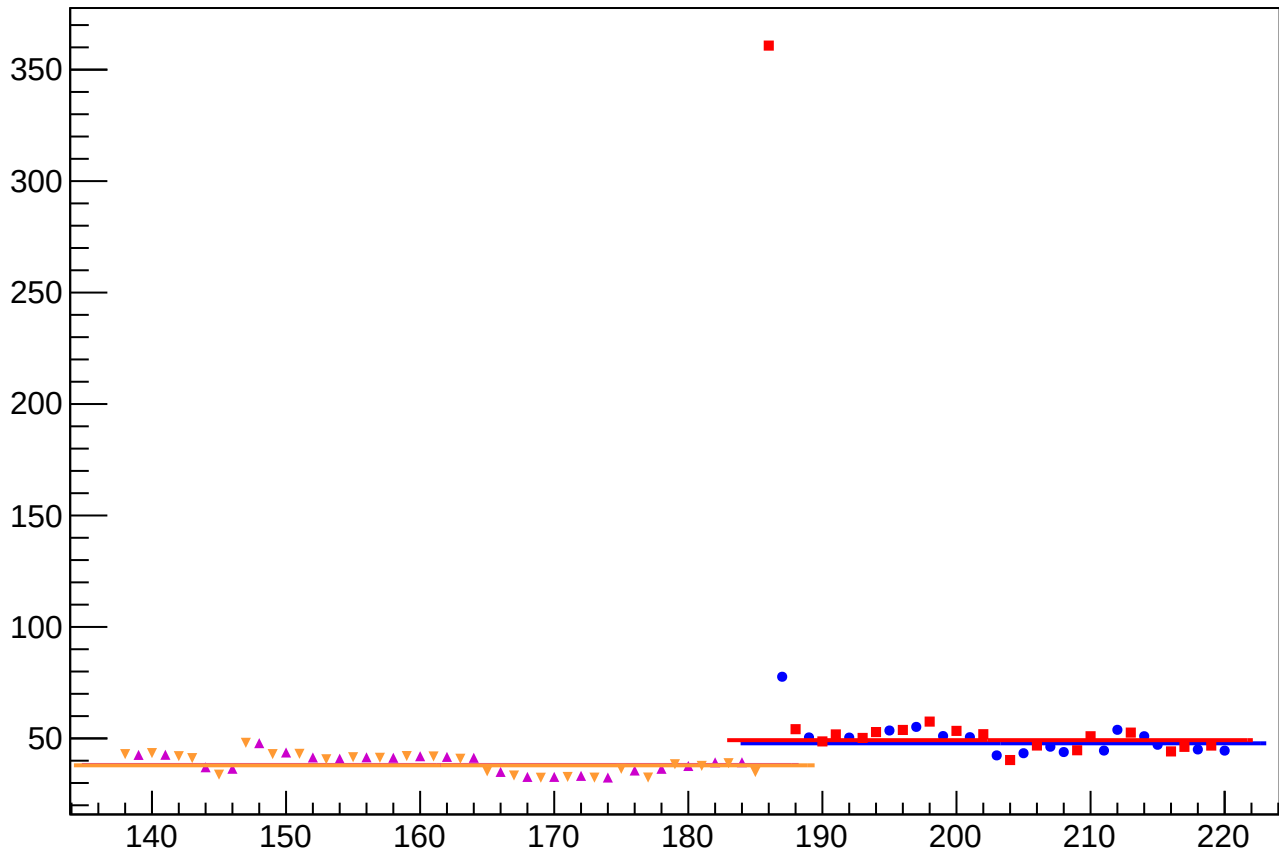
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 12.163 ± 7.457 χ^2/NDF : 82.6/41

All: 6.189 ± 5.358 χ^2/NDF : 139.3/82

- sign -0.187 ± 7.704 χ^2/NDF : 55.4/40

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 47.796 ± 0.010 χ^2/NDF : 210252.5/16

Left Out: 37.925 ± 0.006 χ^2/NDF : 487085.3/24

Right Out: 49.208 ± 0.010 χ^2/NDF : 766684.0/17

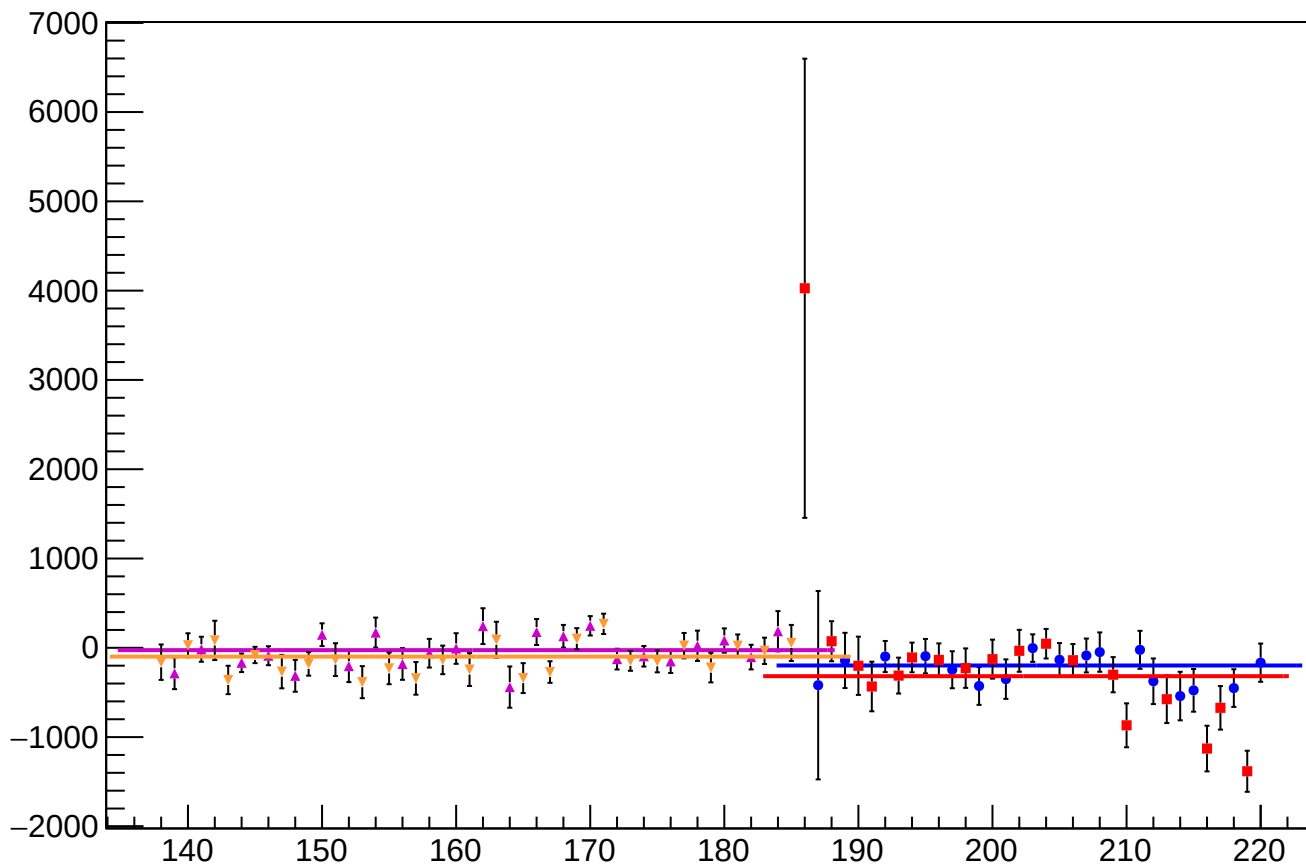
Left In: 38.087 ± 0.006 χ^2/NDF : 396334.5/22

+ sign 40.849 ± 0.005 χ^2/NDF : 1427895.5/41

All: 41.100 ± 0.004 χ^2/NDF : 3462071.5/82

- sign 41.367 ± 0.005 χ^2/NDF : 2029521.2/40

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -198.016 ± 52.070 $\chi^2/\text{NDF}: 10.5/16$

Left Out: -98.741 ± 29.095 $\chi^2/\text{NDF}: 32.7/24$

Right Out: -317.787 ± 52.247 $\chi^2/\text{NDF}: 56.5/17$

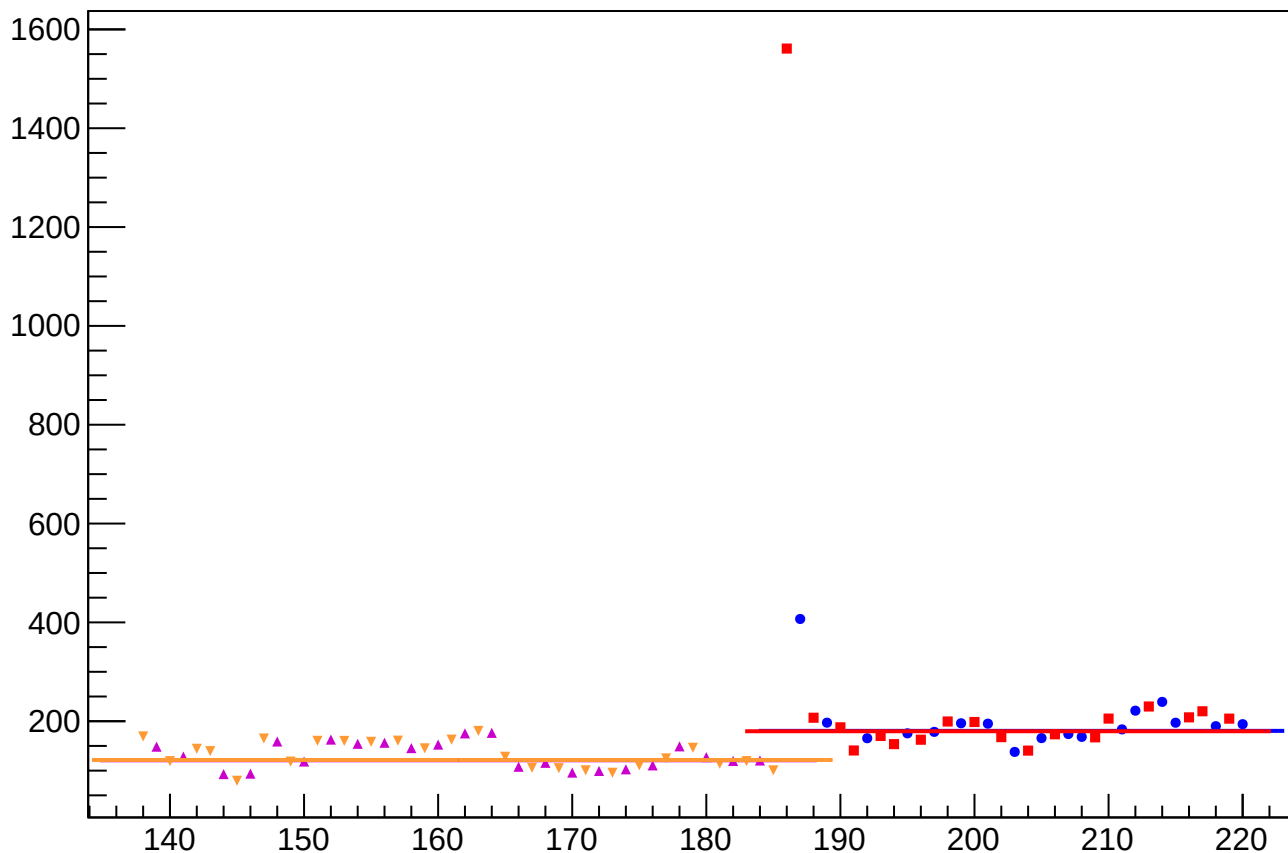
Left In: -26.223 ± 29.676 $\chi^2/\text{NDF}: 30.7/22$

+ sign -122.362 ± 25.399 $\chi^2/\text{NDF}: 46.0/41$

All: -110.049 ± 18.101 $\chi^2/\text{NDF}: 157.2/82$

- sign -97.341 ± 25.804 $\chi^2/\text{NDF}: 110.7/40$

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 180.464 $\pm$ 0.037 χ^2/NDF : 472324.5/16

Left Out: 121.592 $\pm$ 0.021 χ^2/NDF : 1711423.9/24

Right Out: 179.720 $\pm$ 0.037 χ^2/NDF : 1071984.2/17

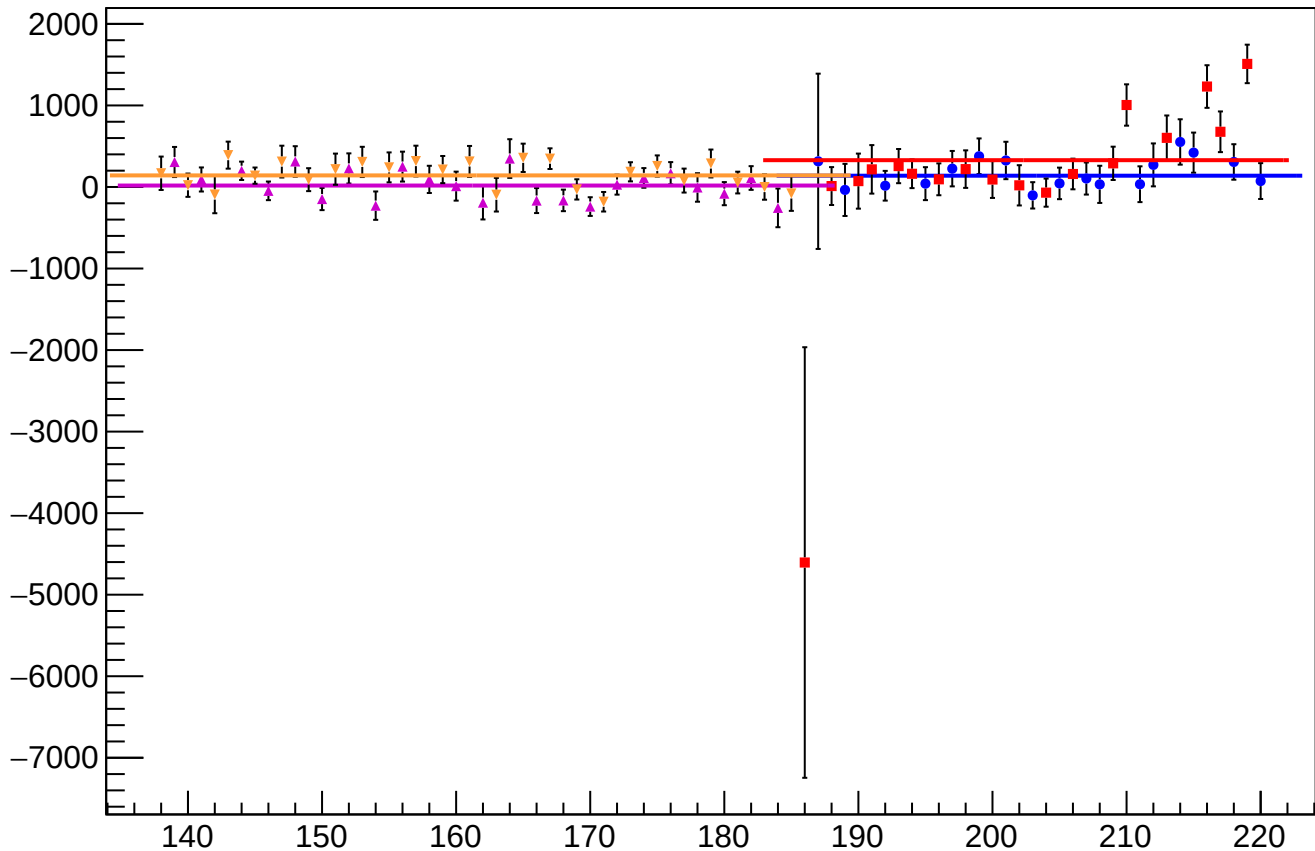
Left In: 120.927 $\pm$ 0.021 χ^2/NDF : 1382861.4/22

+ sign 135.600 $\pm$ 0.018 χ^2/NDF : 4132107.0/41

All: 135.436 $\pm$ 0.013 χ^2/NDF : 8501975.4/82

- sign 135.268 $\pm$ 0.018 χ^2/NDF : 4369700.1/40

asym_sam_37_26_dd_mean vs Slug



Right In: 138.320 ± 54.000 χ^2/NDF : 10.4/16

Left Out: 142.014 ± 30.574 χ^2/NDF : 26.9/24

Right Out: 328.661 ± 54.371 χ^2/NDF : 64.6/17

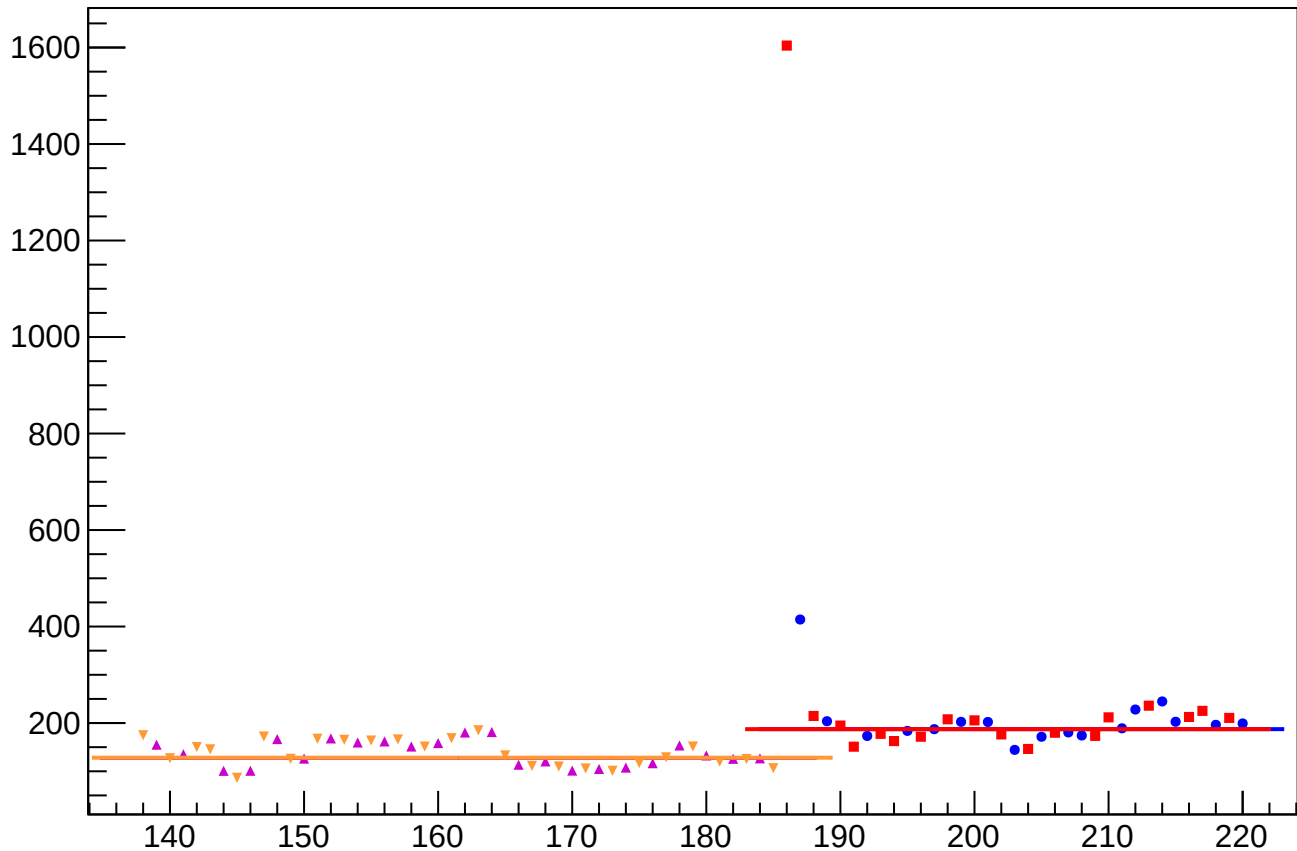
Left In: 17.679 ± 31.209 χ^2/NDF : 30.1/22

+ sign 141.117 ± 26.606 χ^2/NDF : 37.3/41

All: 118.330 ± 18.974 χ^2/NDF : 158.2/82

- sign 94.747 ± 27.067 χ^2/NDF : 119.4/40

asym_sam_37_26_dd_rms vs Slug



Right In: 187.354+/-0.038 χ^2/NDF : 438643.2/16

Left Out: 128.175+/-0.022 χ^2/NDF : 1532922.0/24

Right Out: 187.333+/-0.038 χ^2/NDF : 1014633.8/17

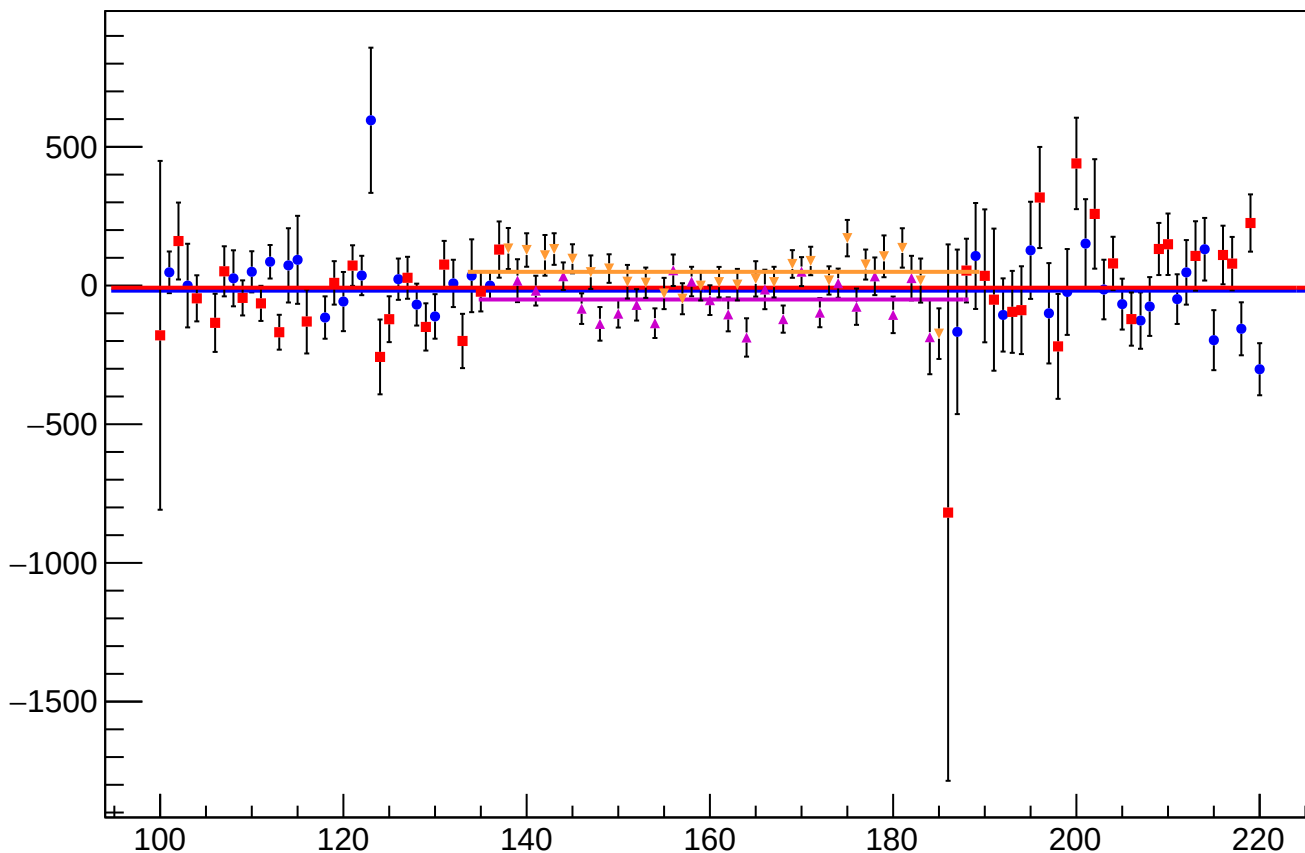
Left In: 127.544+/-0.022 χ^2/NDF : 1235705.3/22

+ sign 142.541+/-0.019 χ^2/NDF : 3790475.1/41

All: 142.452+/-0.013 χ^2/NDF : 7859985.5/82

- sign 142.361+/-0.019 χ^2/NDF : 4069465.4/40

reg_asym_sam_1357_avg_mean vs Slug



Right In: -18.412 ± 16.505 χ^2/NDF : 37.0/33

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -7.771 ± 16.387 χ^2/NDF : 58.4/36

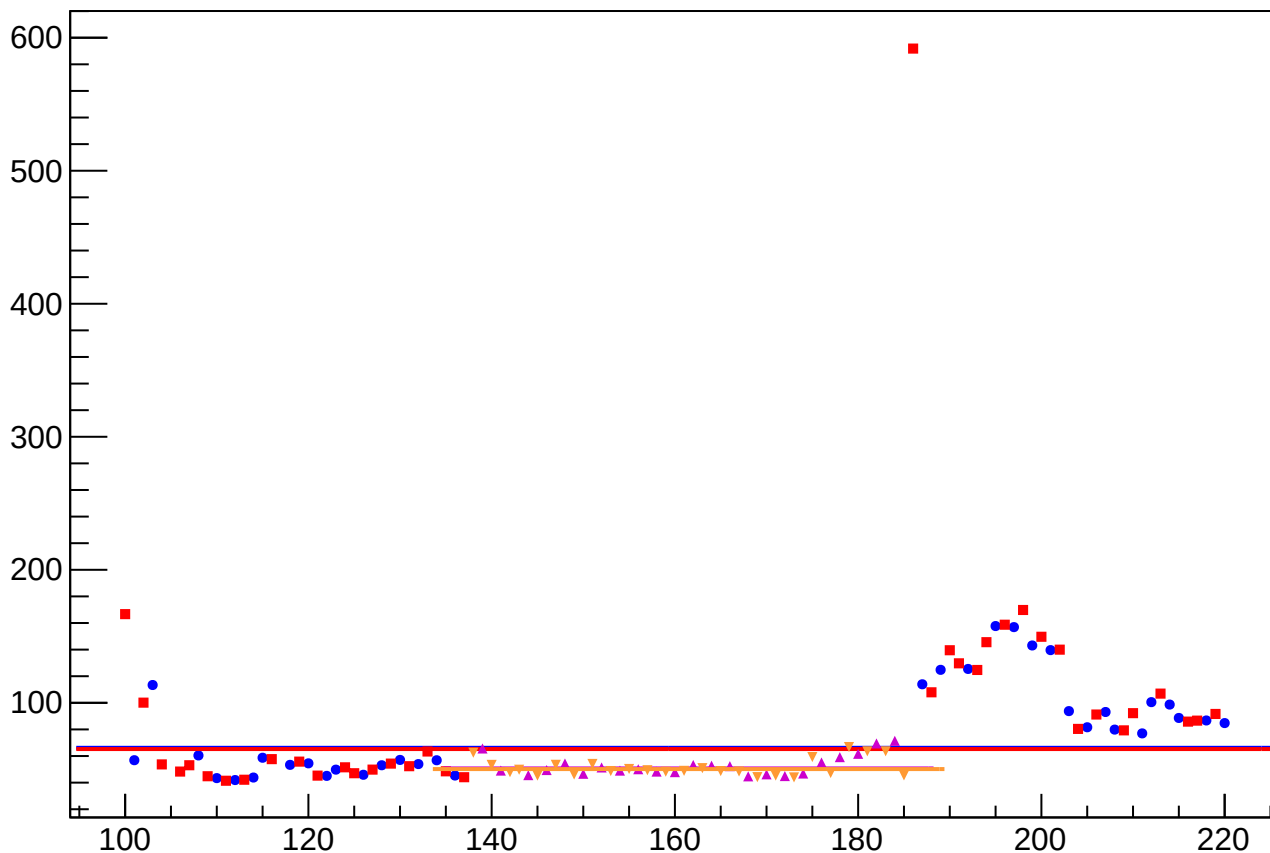
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 26.450 ± 9.602 χ^2/NDF : 76.2/58

All: -3.640 ± 6.863 χ^2/NDF : 191.2/118

- sign -35.068 ± 9.813 χ^2/NDF : 94.9/59

reg_asym_sam_1357_avg_rms vs Slug



Right In: 66.179+/-0.012 χ^2/NDF : 5301547.5/33

Left Out: 50.189+/-0.008 χ^2/NDF : 467679.2/24

Right Out: 65.242+/-0.012 χ^2/NDF : 6594054.2/36

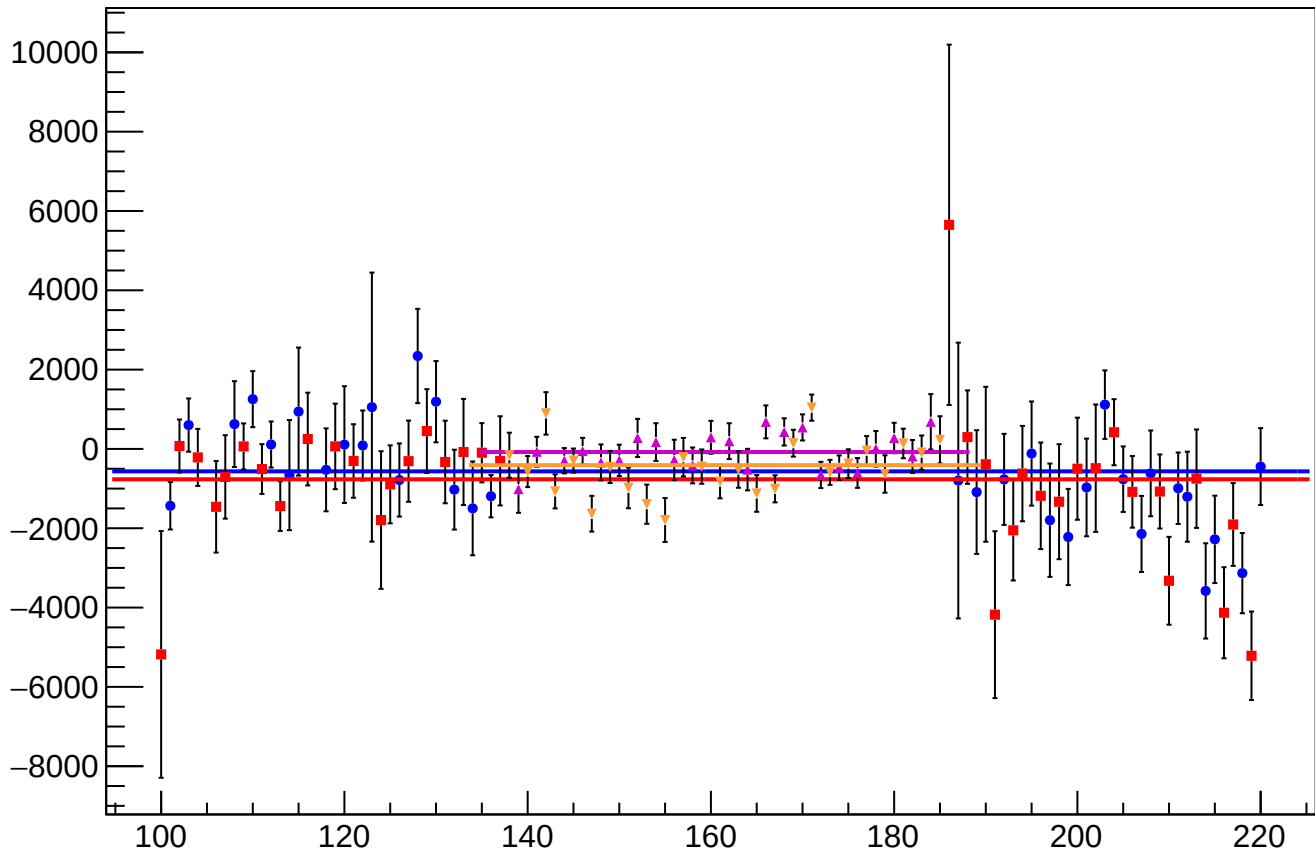
Left In: 50.683+/-0.009 χ^2/NDF : 469292.3/22

+ sign 55.601+/-0.007 χ^2/NDF : 7010892.9/58

All: 55.749+/-0.005 χ^2/NDF : 15087737.9/118

- sign 55.904+/-0.007 χ^2/NDF : 8075869.6/59

asym_sam_1357_avg_correction_mean vs Slug



Right In: -565.179 ± 165.508 χ^2/NDF : 52.6/33

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -765.543 ± 165.817 χ^2/NDF : 53.0/36

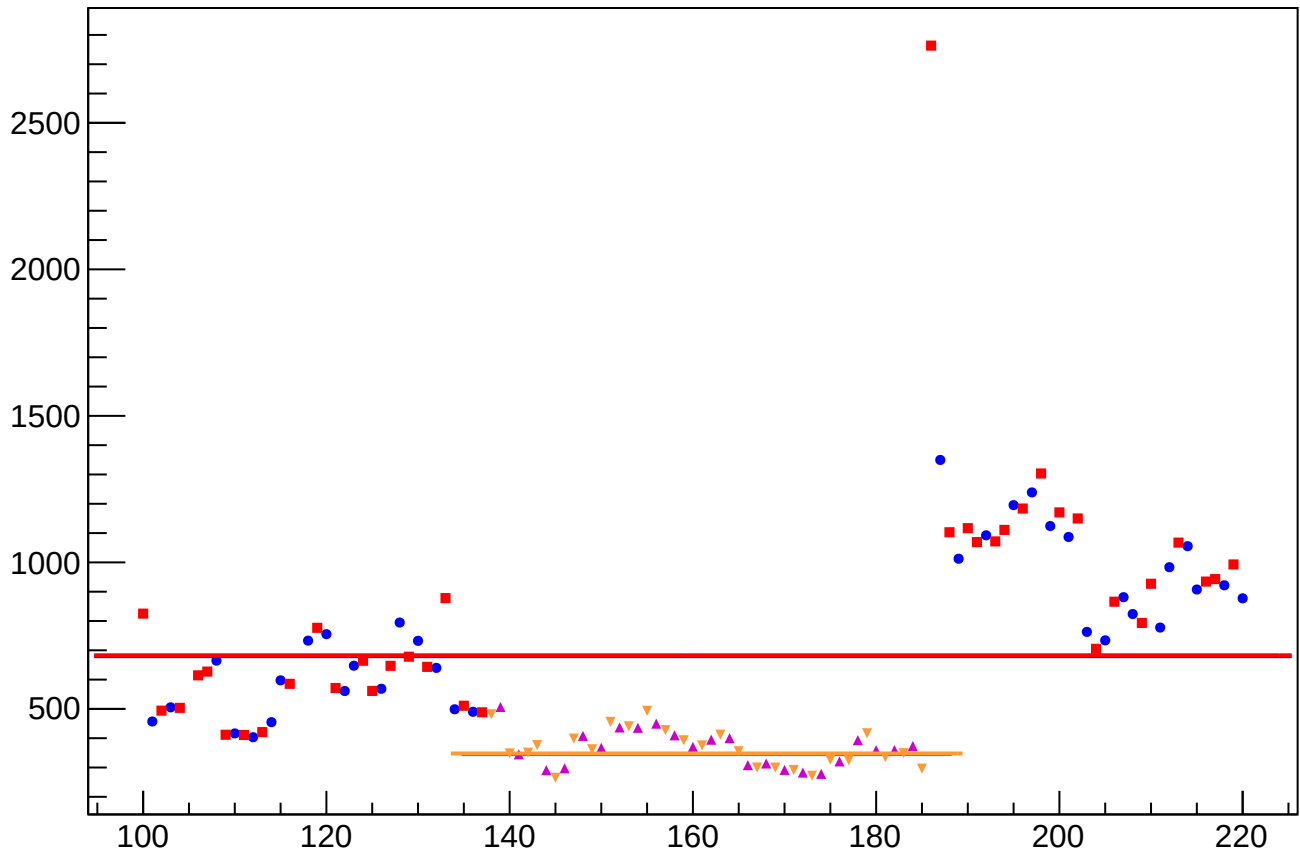
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -440.122 ± 73.727 χ^2/NDF : 115.0/58

All: -331.186 ± 52.572 χ^2/NDF : 211.0/118

- sign -218.499 ± 74.985 χ^2/NDF : 91.5/59

asym_sam_1357_avg_correction_rms vs Slug



Right In: 680.044 $\pm$ 0.117 χ^2 /NDF: 3924721.9/33

Left Out: 347.875 $\pm$ 0.058 χ^2 /NDF:1044096.7/24

Right Out: 682.962 $\pm$ 0.117 χ^2 /NDF: 4922869.9/36

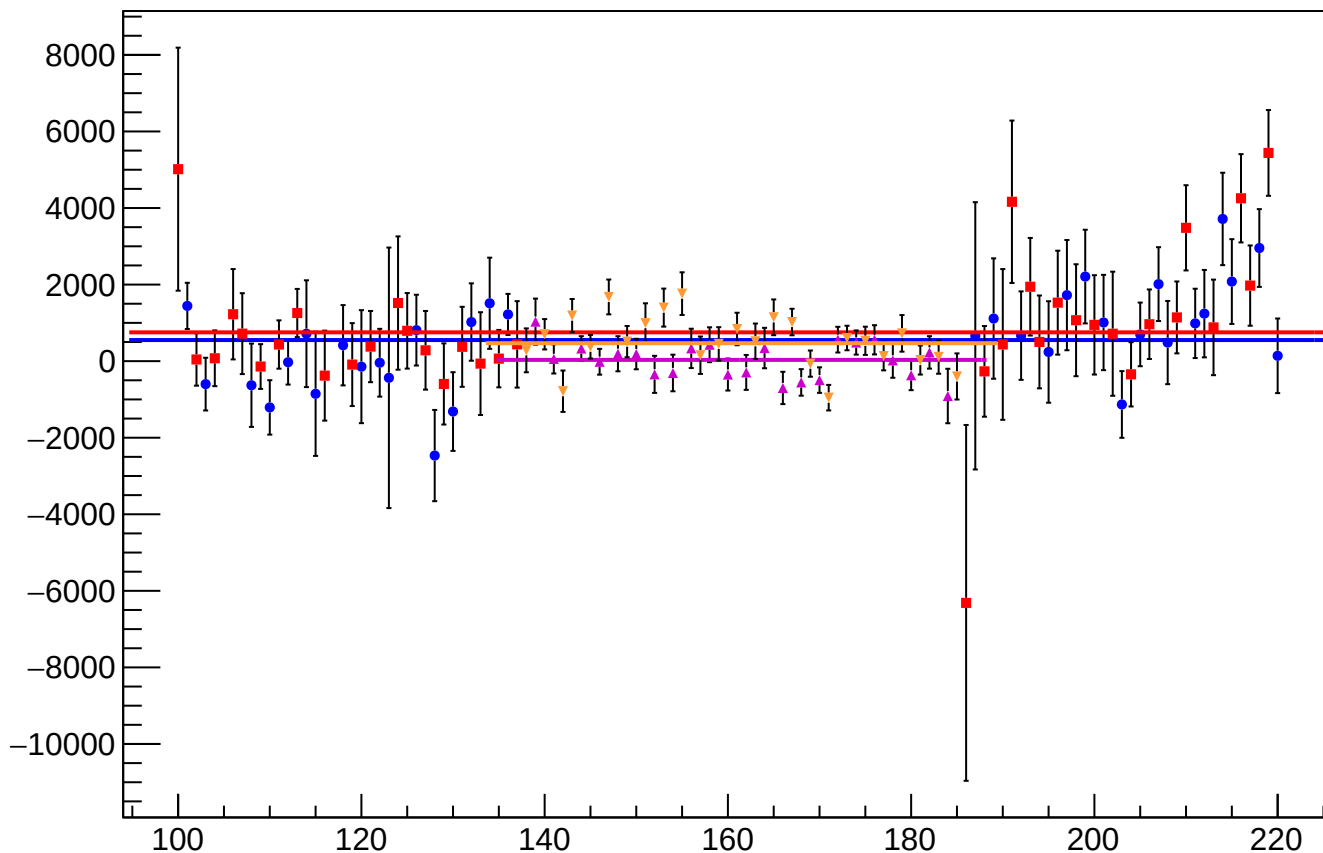
Left In: 345.954 $\pm$ 0.059 χ^2 /NDF:900847.0/22

+ sign 413.788 $\pm$ 0.052 χ^2 /NDF: 11426102.9/58

All: 414.321 $\pm$ 0.037 χ^2 /NDF: 23821963.3/11

- sign 414.872 $\pm$ 0.053 χ^2 /NDF: 12395648.2/59

asym_sam_1357_avg_mean vs Slug



Right In: 551.172 $\pm$ 166.630 χ^2 /NDF: 51.1/33

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF: 57.5/24

Right Out: 752.120 $\pm$ 167.026 χ^2 /NDF: 55.3/36

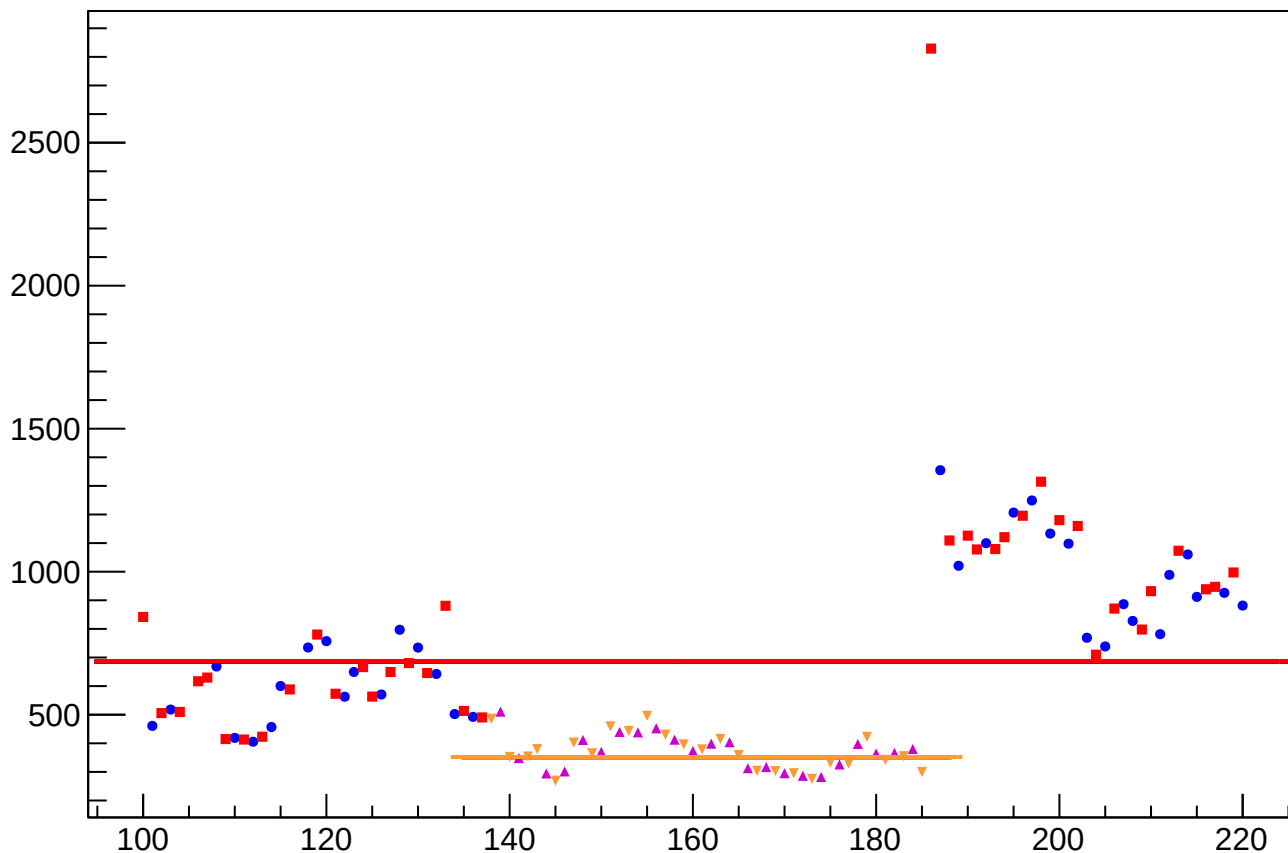
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF: 25.7/22

+ sign 485.319 $\pm$ 74.505 χ^2 /NDF: 108.8/58

All: 335.753 $\pm$ 53.135 χ^2 /NDF: 212.7/118

- sign 180.946 $\pm$ 75.800 χ^2 /NDF: 95.7/59

asym_sam_1357_avg_rms vs Slug



Right In: 684.788+/-0.118 χ^2/NDF : 3911989.6/33

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 687.820+/-0.118 χ^2/NDF : 4915586.1/36

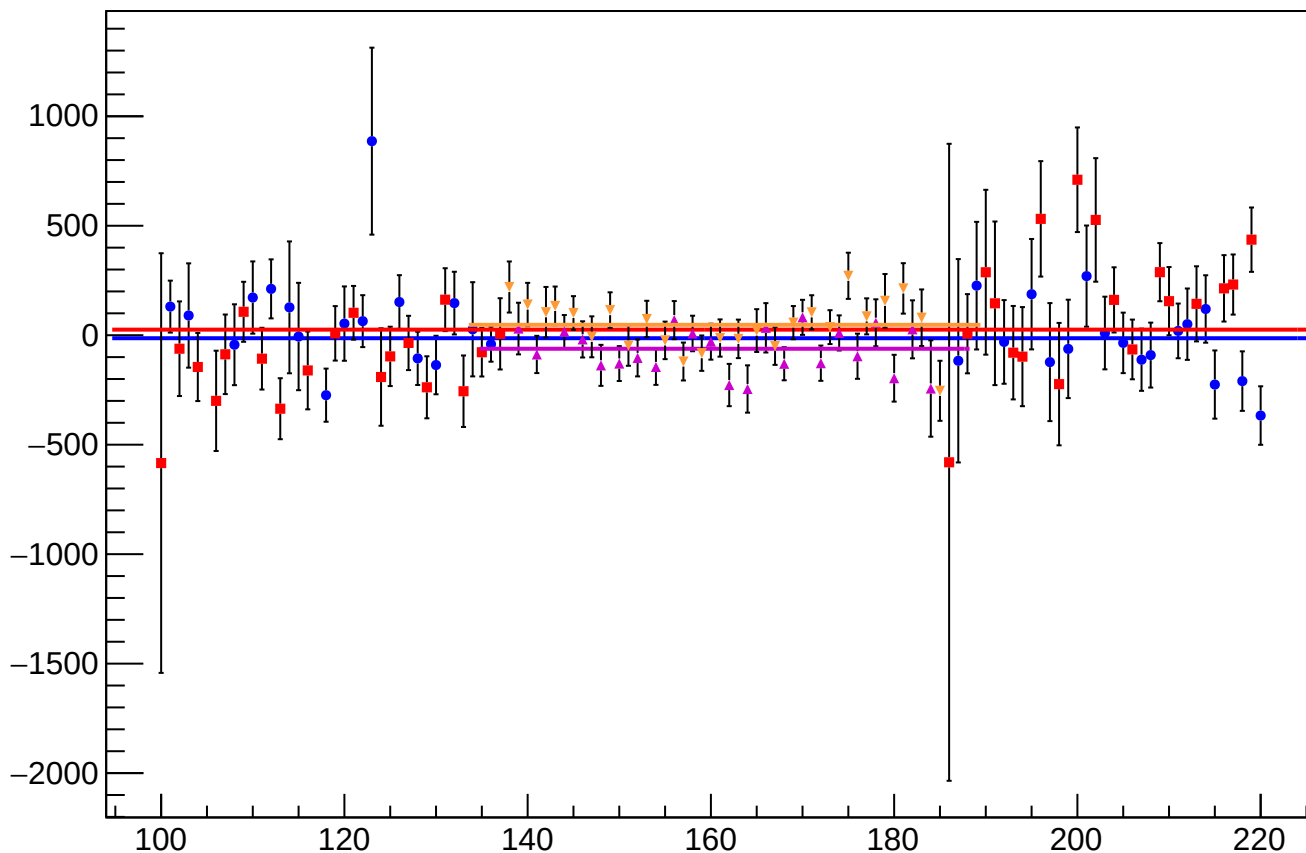
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 418.545+/-0.053 χ^2/NDF : 11311132.5/58

All: 419.113+/-0.038 χ^2/NDF : 23595657.7/11

- sign 419.702+/-0.054 χ^2/NDF : 12284288.1/59

reg_asym_sam_2468_avg_mean vs Slug



Right In: -13.730 ± 26.497 $\chi^2/\text{NDF}: 36.0/33$

Left Out: 47.426 ± 18.253 $\chi^2/\text{NDF}: 29.4/24$

Right Out: 25.507 ± 27.284 $\chi^2/\text{NDF}: 59.0/36$

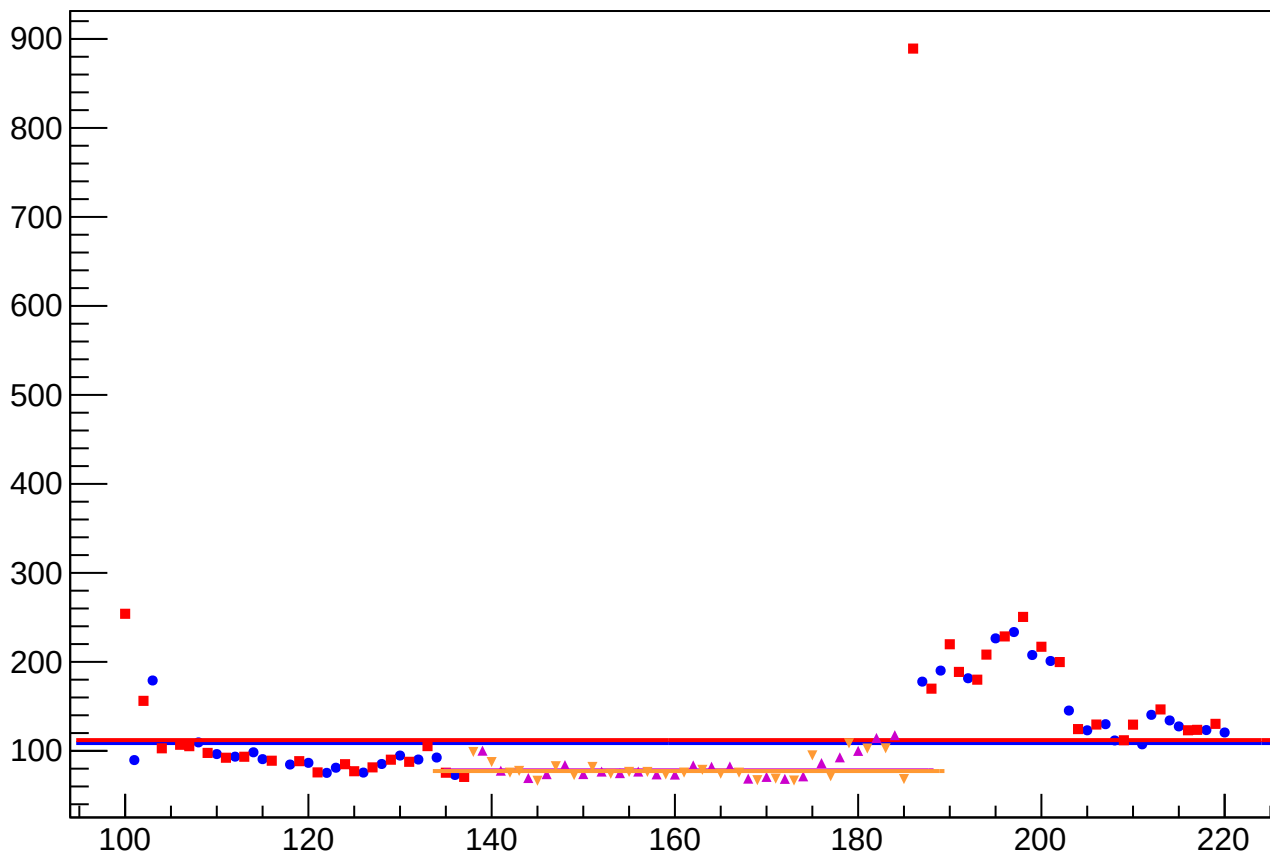
Left In: -61.830 ± 18.958 $\chi^2/\text{NDF}: 24.0/22$

+ sign 27.744 ± 15.031 $\chi^2/\text{NDF}: 69.0/58$

All: -1.752 ± 10.814 $\chi^2/\text{NDF}: 166.8/118$

- sign -33.394 ± 15.568 $\chi^2/\text{NDF}: 89.8/59$

reg_asym_sam_2468_avg_rms vs Slug



Right In: 108.776+/-0.019 χ^2/NDF : 3671388.8/33

Left Out: 77.316+/-0.013 χ^2/NDF : 635622.3/24

Right Out: 112.093+/-0.019 χ^2/NDF : 4513124.0/36

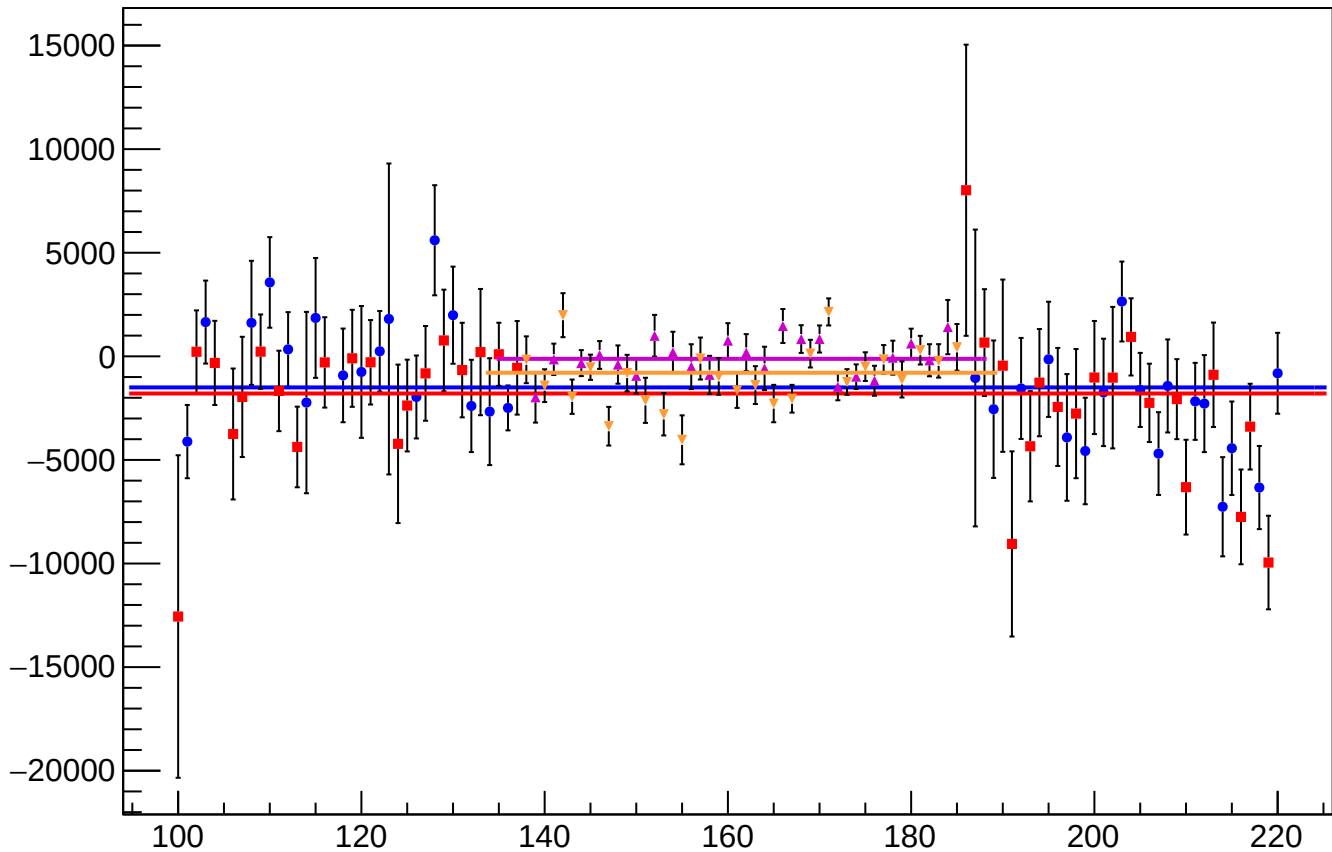
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 87.441+/-0.011 χ^2/NDF : 6219087.0/58

All: 88.287+/-0.008 χ^2/NDF : 13416408.8/118

- sign 89.194+/-0.011 χ^2/NDF : 7184192.9/59

asym_sam_2468_avg_correction_mean vs Slug



Right In: -1500.586 ± 380.062 χ^2/NDF : 48.5/33

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1793.999 ± 389.842 χ^2/NDF : 46.2/36

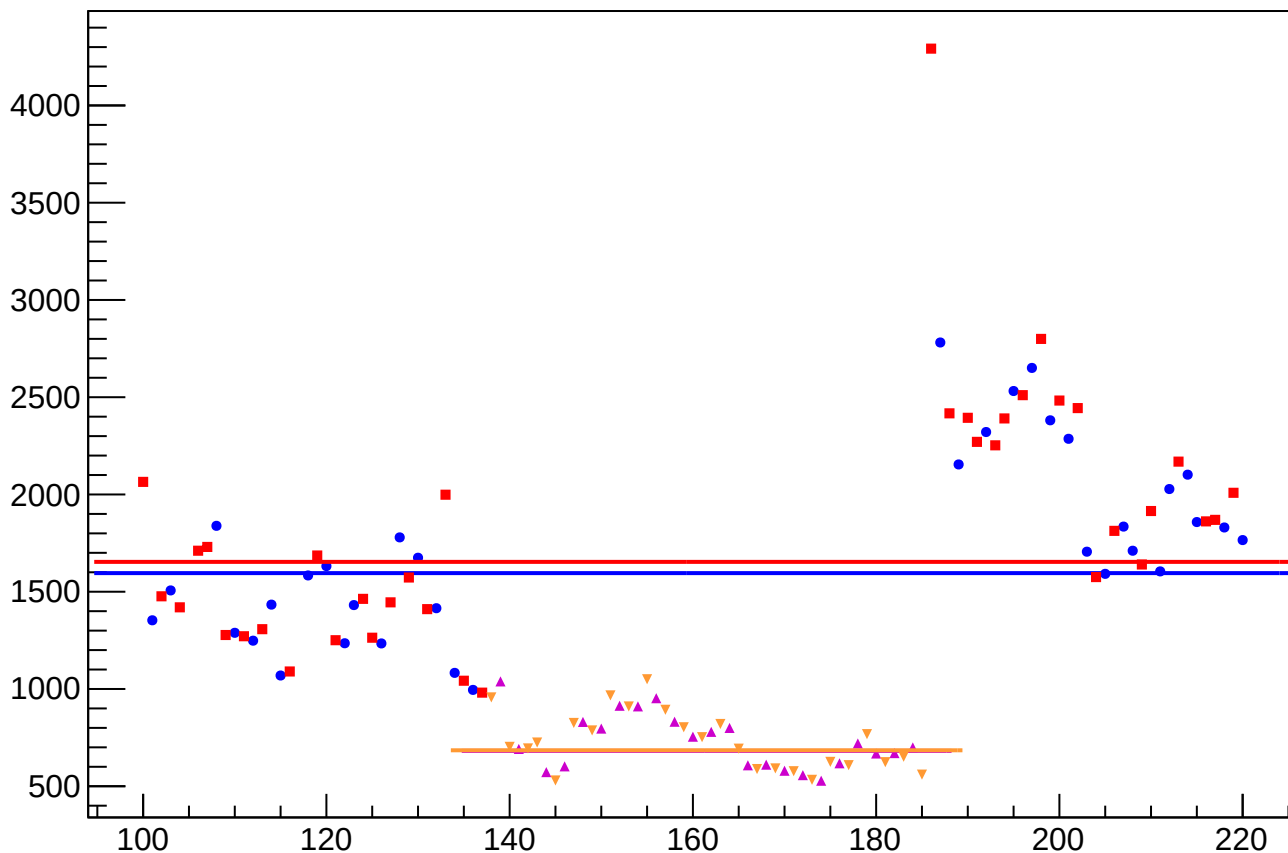
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -902.352 ± 149.539 χ^2/NDF : 118.0/58

All: -646.607 ± 106.902 χ^2/NDF : 211.7/118

- sign -379.304 ± 152.881 χ^2/NDF : 87.7/59

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1595.696 ± 0.269 $\chi^2/\text{NDF}: 2440370.6/33$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

Right Out: 1653.482 ± 0.276 $\chi^2/\text{NDF}: 2905605.9/36$

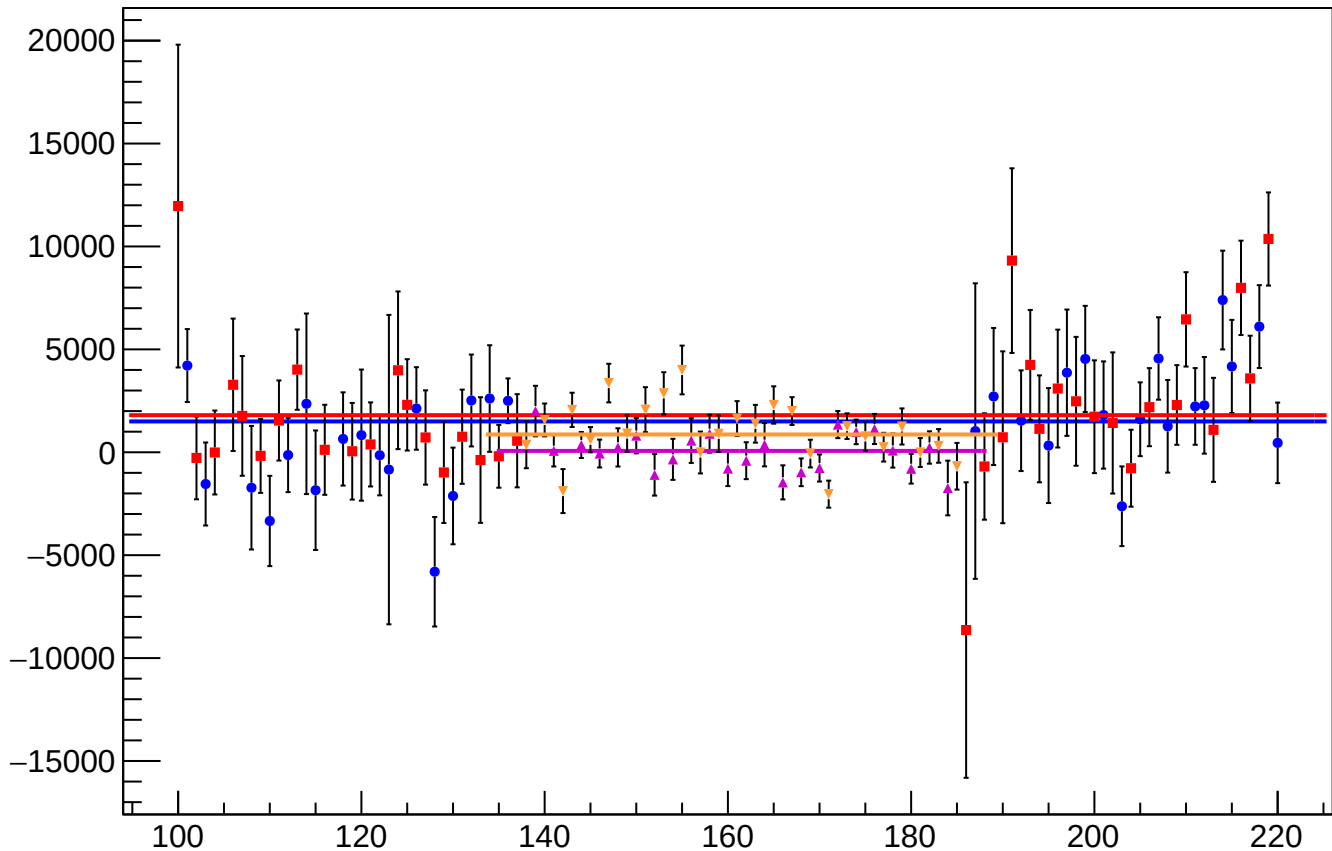
Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

+ sign 825.804 ± 0.106 $\chi^2/\text{NDF}: 13430710.1/58$

All: 828.423 ± 0.076 $\chi^2/\text{NDF}: 27973373.9/1$

- sign 831.161 ± 0.108 $\chi^2/\text{NDF}: 14541408.9/59$

asym_sam_2468_avg_mean vs Slug



Right In: 1498.680 $\pm$ 381.177 χ^2 /NDF: 47.5/33

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF:62.8/24

Right Out: 1802.297 $\pm$ 391.113 χ^2 /NDF: 48.1/36

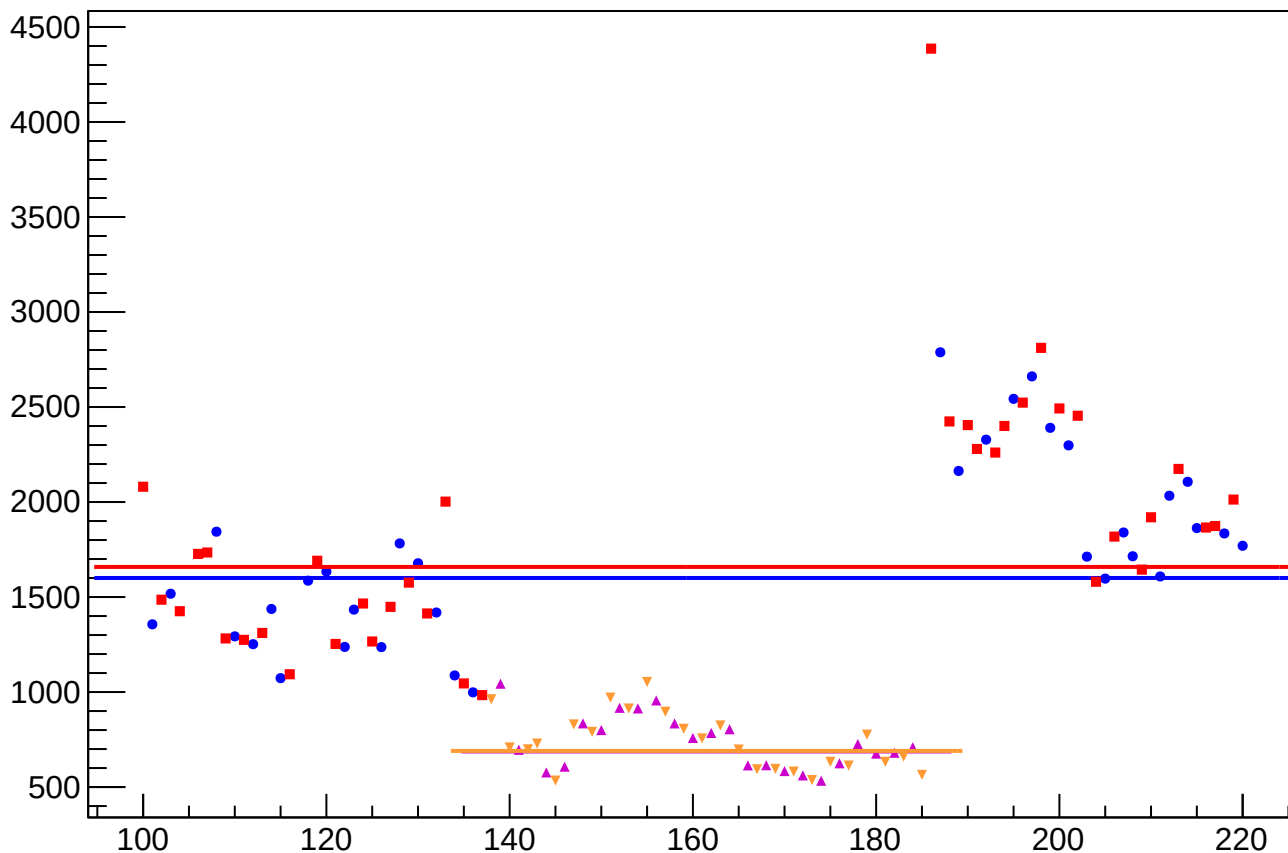
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF:26.4/22

+ sign 964.367 $\pm$ 150.559 χ^2 /NDF: 112.6/58

All: 656.712 $\pm$ 107.644 χ^2 /NDF: 212.4/118

- sign 334.994 $\pm$ 153.962 χ^2 /NDF: 91.2/59

asym_sam_2468_avg_rms vs Slug



Right In: 1600.318 $\pm$ 0.270 χ^2 /NDF: 2443243.5/33

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF:1258158.2/24

Right Out: 1658.392 $\pm$ 0.277 χ^2 /NDF: 2916786.8/36

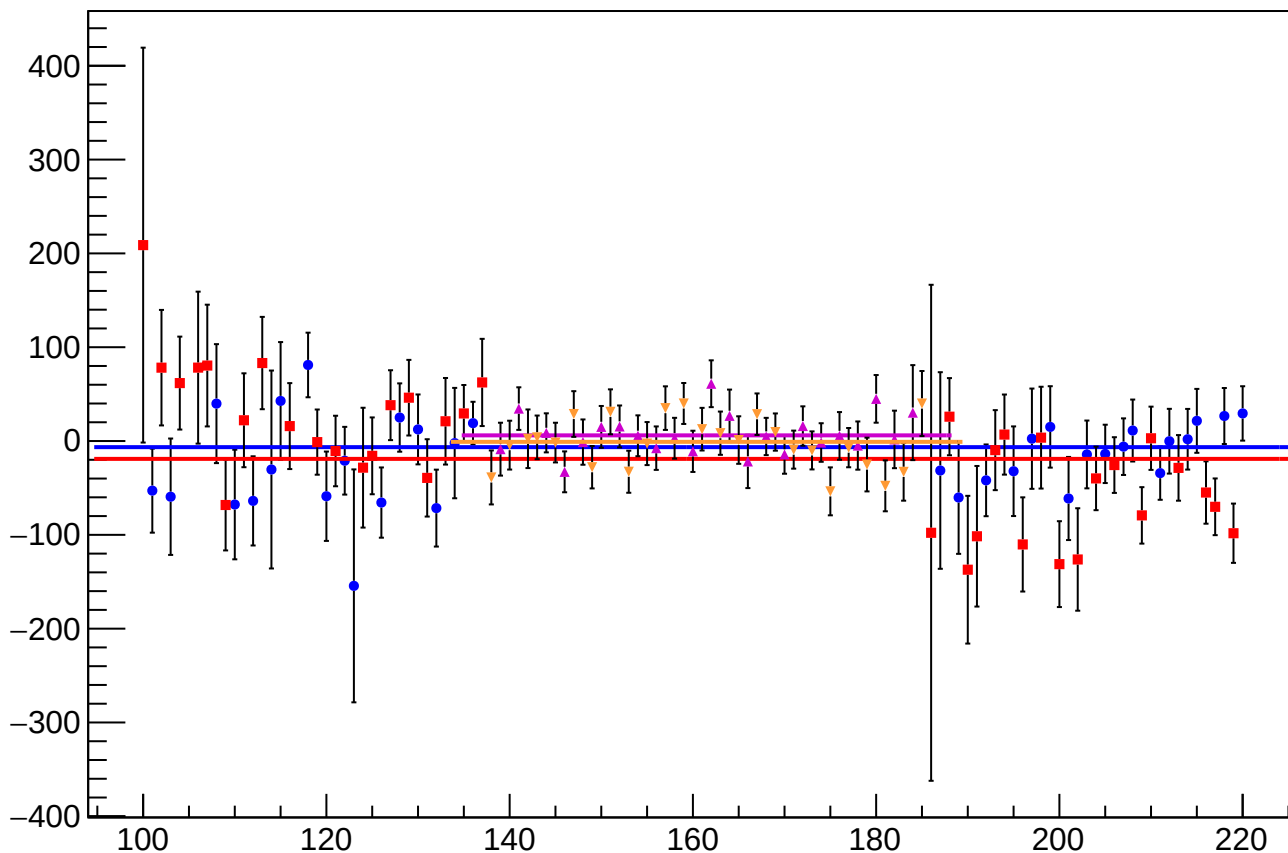
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF:1099706.1/22

+ sign 832.163 $\pm$ 0.106 χ^2 /NDF: 13325066.3/58

All: 834.875 $\pm$ 0.076 χ^2 /NDF: 27763616.6/1

- sign 837.711 $\pm$ 0.109 χ^2 /NDF: 14437222.8/59

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -6.522 ± 6.725 χ^2/NDF : 30.8/33

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: -19.025 ± 6.980 χ^2/NDF : 62.4/36

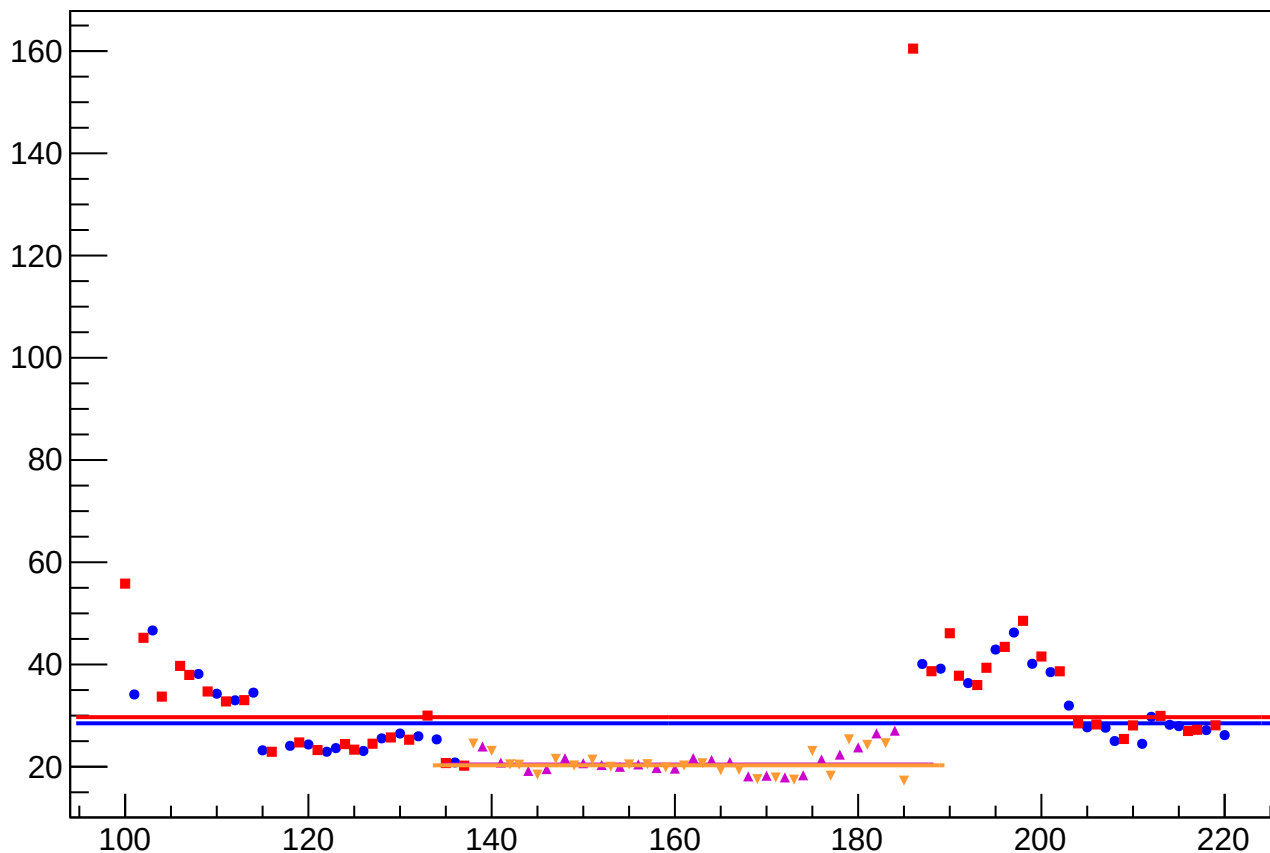
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -2.751 ± 3.885 χ^2/NDF : 59.2/58

All: -2.529 ± 2.795 χ^2/NDF : 147.1/118

- sign -2.291 ± 4.024 χ^2/NDF : 88.0/59

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.494 ± 0.005 $\chi^2/\text{NDF}: 1632195.5/33$

Left Out: 20.279 ± 0.003 $\chi^2/\text{NDF}: 407056.4/24$

Right Out: 29.697 ± 0.005 $\chi^2/\text{NDF}: 2322077.1/36$

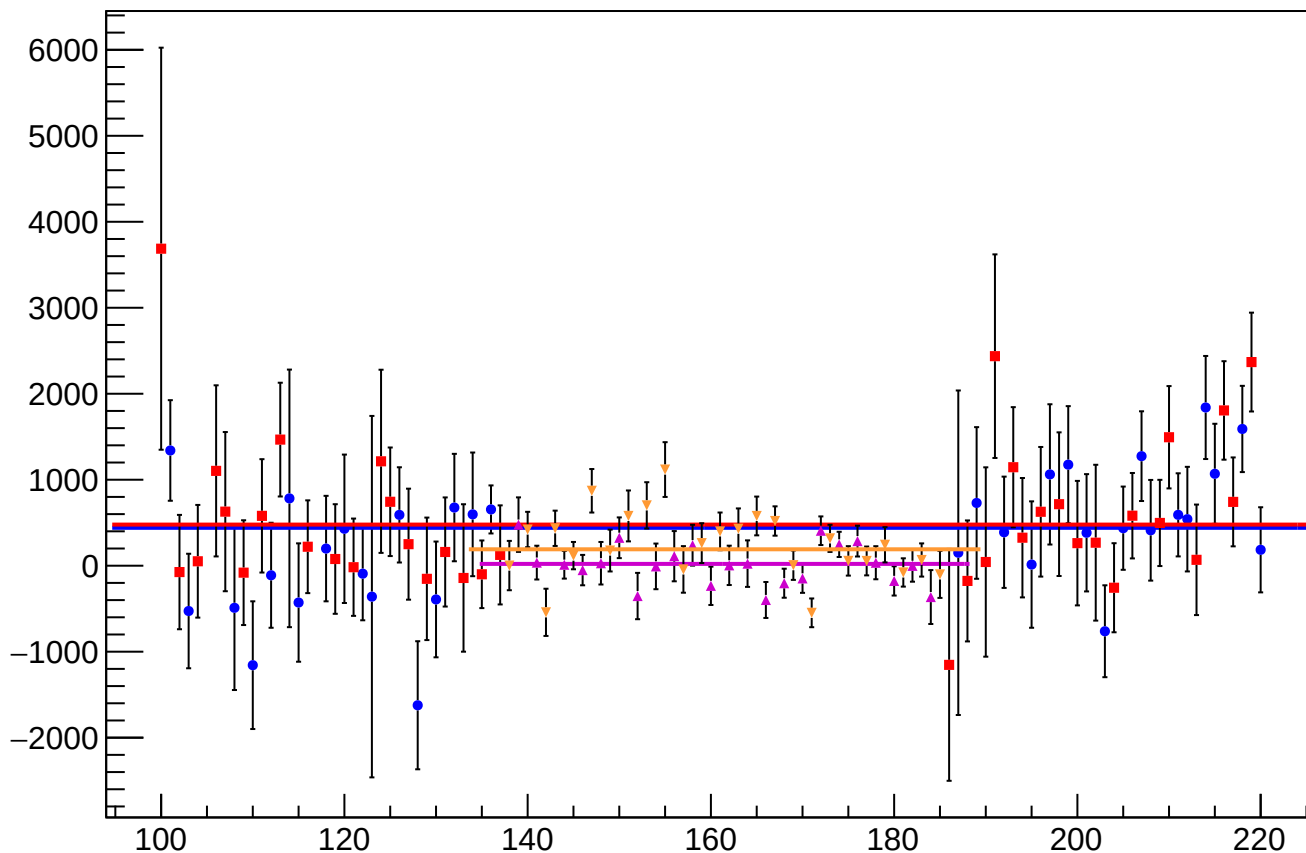
Left In: 20.424 ± 0.003 $\chi^2/\text{NDF}: 323427.4/22$

+ sign 23.021 ± 0.003 $\chi^2/\text{NDF}: 4027303.4/58$

All: 23.255 ± 0.002 $\chi^2/\text{NDF}: 9044937.7/118$

- sign 23.507 ± 0.003 $\chi^2/\text{NDF}: 5002579.5/59$

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 440.766 $\pm$ 104.095 χ^2 /NDF: 46.0/33

Left Out: 190.867 $\pm$ 41.314 χ^2 /NDF: 67.9/24

Right Out: 478.240 $\pm$ 108.020 χ^2 /NDF: 41.1/36

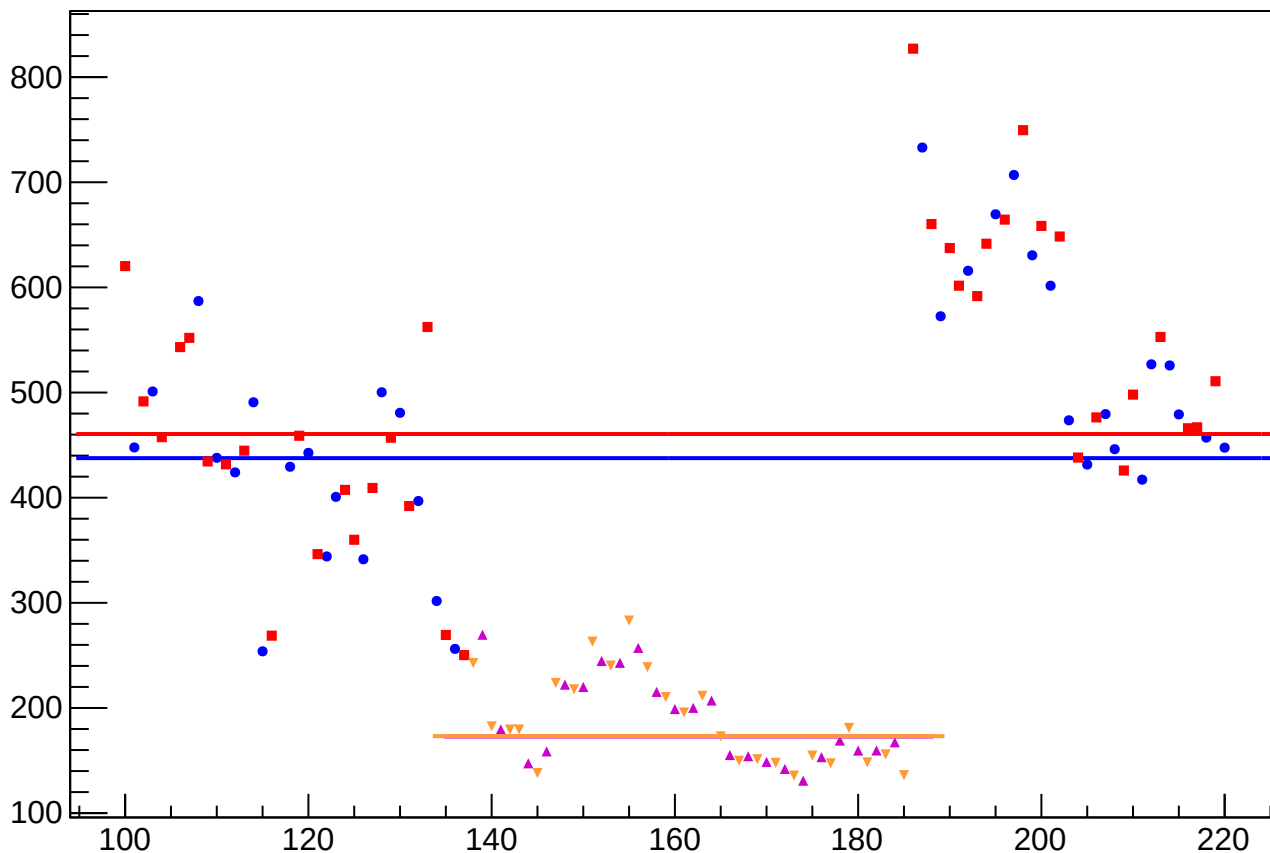
Left In: 20.998 $\pm$ 42.291 χ^2 /NDF: 27.7/22

+ sign 224.874 $\pm$ 38.400 χ^2 /NDF: 118.8/58

All: 155.125 $\pm$ 27.493 χ^2 /NDF: 209.9/118

- sign 81.769 $\pm$ 39.380 χ^2 /NDF: 84.3/59

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 437.621 ± 0.074 χ^2/NDF : 2347686.0/33

Left Out: 173.210 ± 0.029 χ^2/NDF : 1561250.6/24

Right Out: 460.551 ± 0.076 χ^2/NDF : 2545073.7/36

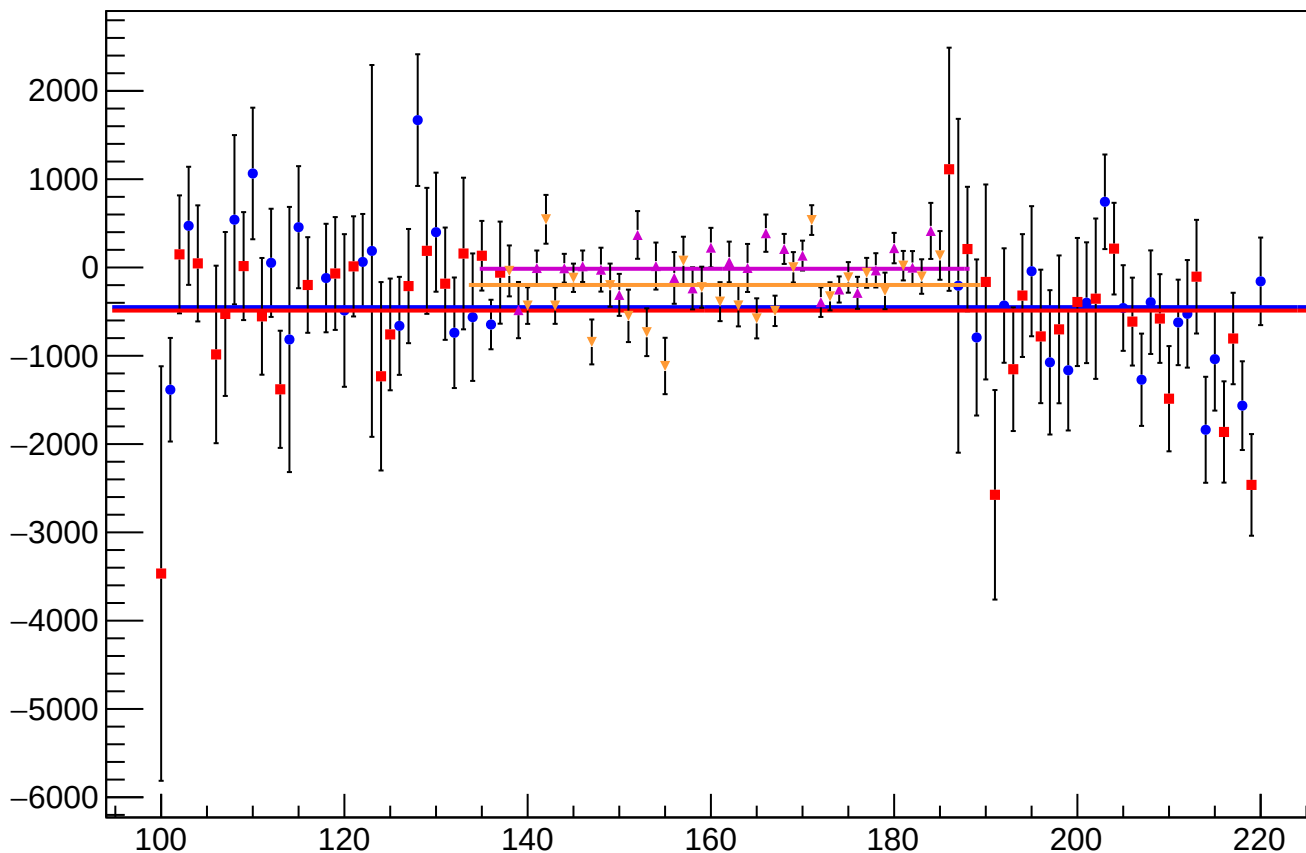
Left In: 172.828 ± 0.030 χ^2/NDF : 1372131.7/22

+ sign 209.192 ± 0.027 χ^2/NDF : 15057102.9/58

All: 210.107 ± 0.019 χ^2/NDF : 31280491.0/11

- sign 211.068 ± 0.028 χ^2/NDF : 16221060.2/59

asym_sam_1357_2468_dd_mean vs Slug



Right In: -449.043 ± 104.348 χ^2/NDF : 45.3/33

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -487.951 ± 108.301 χ^2/NDF : 42.7/36

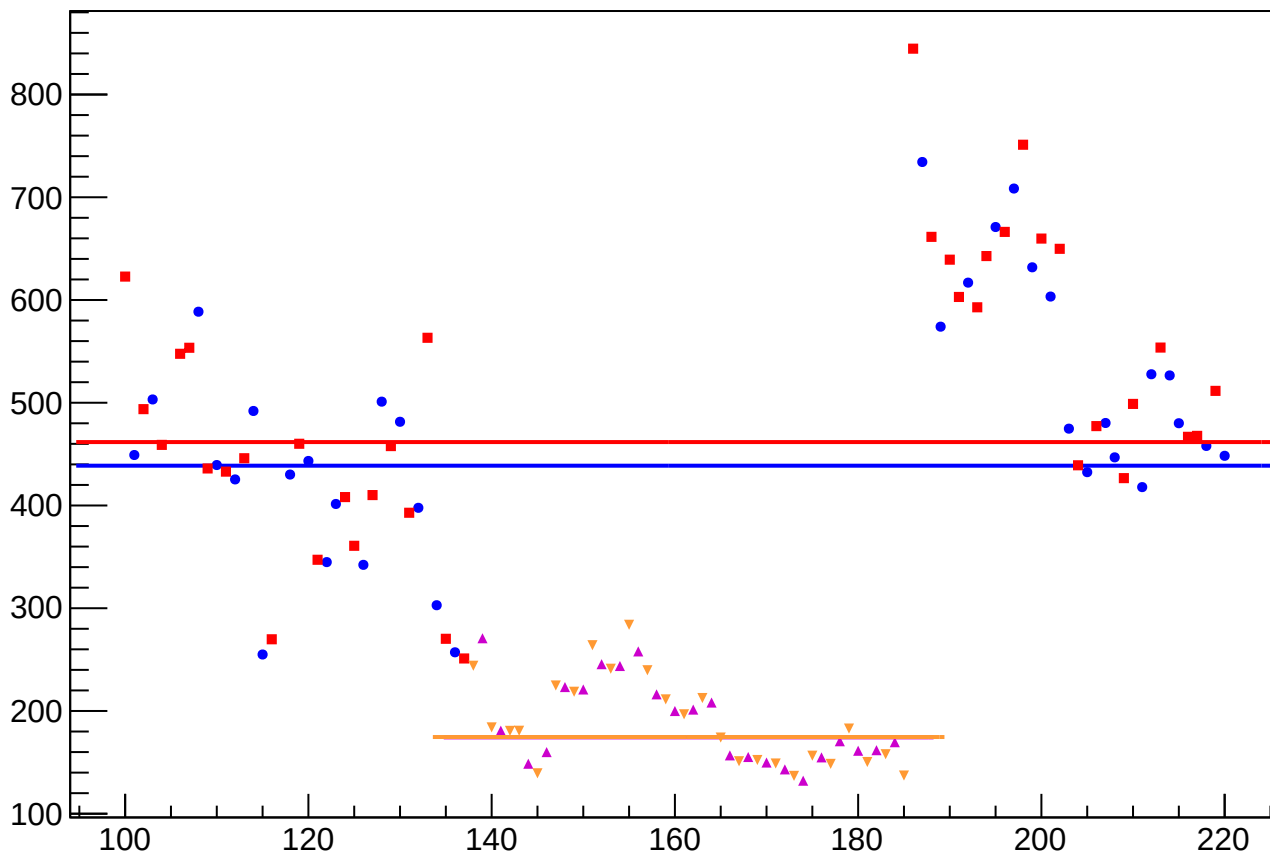
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -232.411 ± 38.673 χ^2/NDF : 114.5/58

All: -157.221 ± 27.691 χ^2/NDF : 209.2/118

- sign -78.114 ± 39.667 χ^2/NDF : 86.9/59

asym_sam_1357_2468_dd_rms vs Slug



Right In: 438.737 $\pm$ 0.074 χ^2 /NDF: 2339869.9/33

Left Out: 174.648 $\pm$ 0.029 χ^2 /NDF:1531999.5/24

Right Out: 461.725 $\pm$ 0.077 χ^2 /NDF: 2547187.7/36

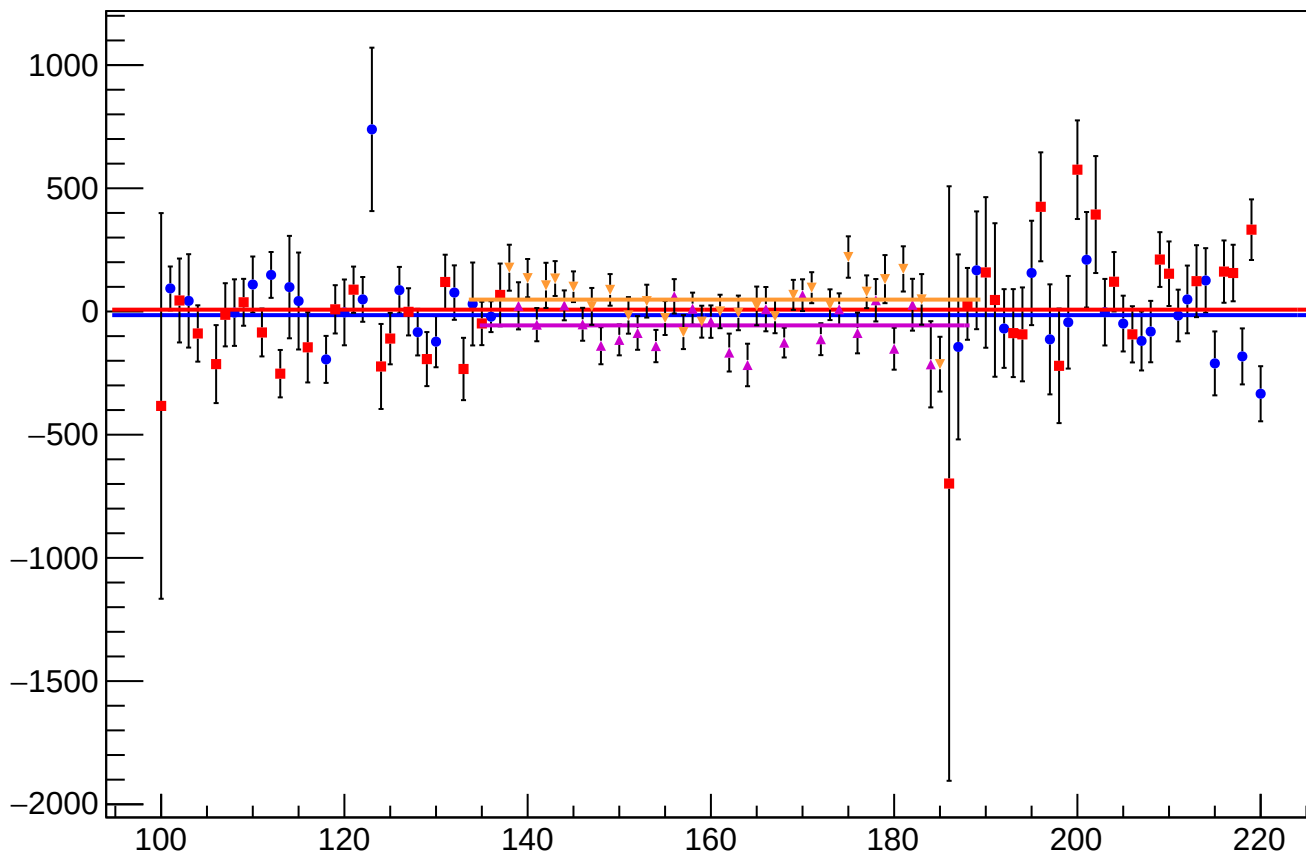
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF:1344779.5/22

+ sign 210.922 $\pm$ 0.027 χ^2 /NDF: 14922775.4/58

All: 211.861 $\pm$ 0.020 χ^2 /NDF: 31015274.0/11

- sign 212.848 $\pm$ 0.028 χ^2 /NDF: 16090081.1/59

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -14.844 ± 20.924 χ^2/NDF : 37.1/33

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: 7.449 ± 21.305 χ^2/NDF : 58.3/36

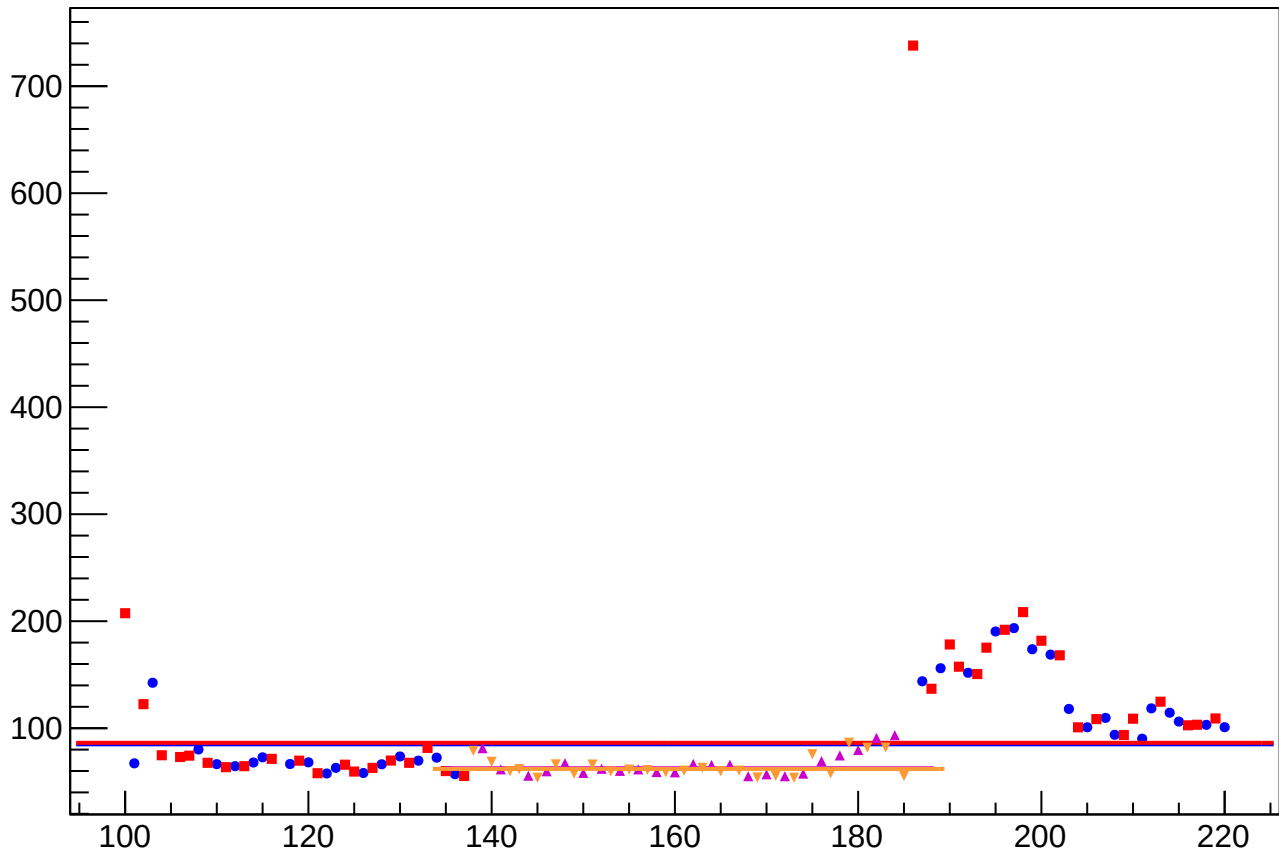
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 27.549 ± 11.982 χ^2/NDF : 72.5/58

All: -2.696 ± 8.604 χ^2/NDF : 177.4/118

- sign -34.899 ± 12.364 χ^2/NDF : 91.7/59

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 84.928+/-0.015 χ^2/NDF : 4436596.1/33

Left Out: 61.946+/-0.010 χ^2/NDF : 604989.2/24

Right Out: 86.349+/-0.015 χ^2/NDF : 5388418.1/36

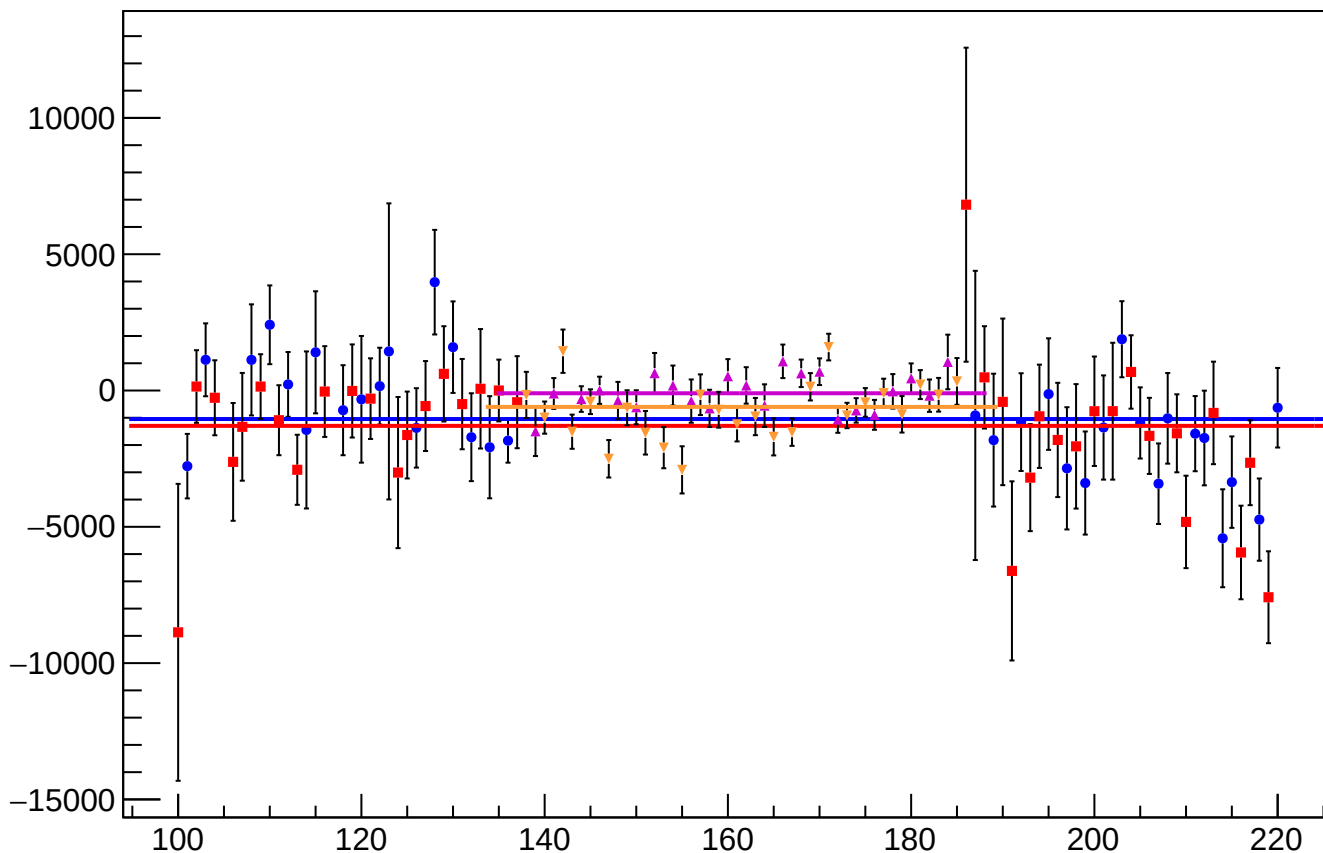
Left In: 62.607+/-0.011 χ^2/NDF : 575516.1/22

+ sign 69.483+/-0.008 χ^2/NDF : 6663105.0/58

All: 70.025+/-0.006 χ^2/NDF : 14282725.0/118

- sign 70.603+/-0.009 χ^2/NDF : 7611152.2/59

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -1046.020 $\pm$ 274.499 χ^2 /NDF: 49.6/33

Left Out: -601.486 $\pm$ 122.119 χ^2 /NDF: 65.4/24

Right Out: -1296.537 $\pm$ 279.851 χ^2 /NDF: 48.2/36

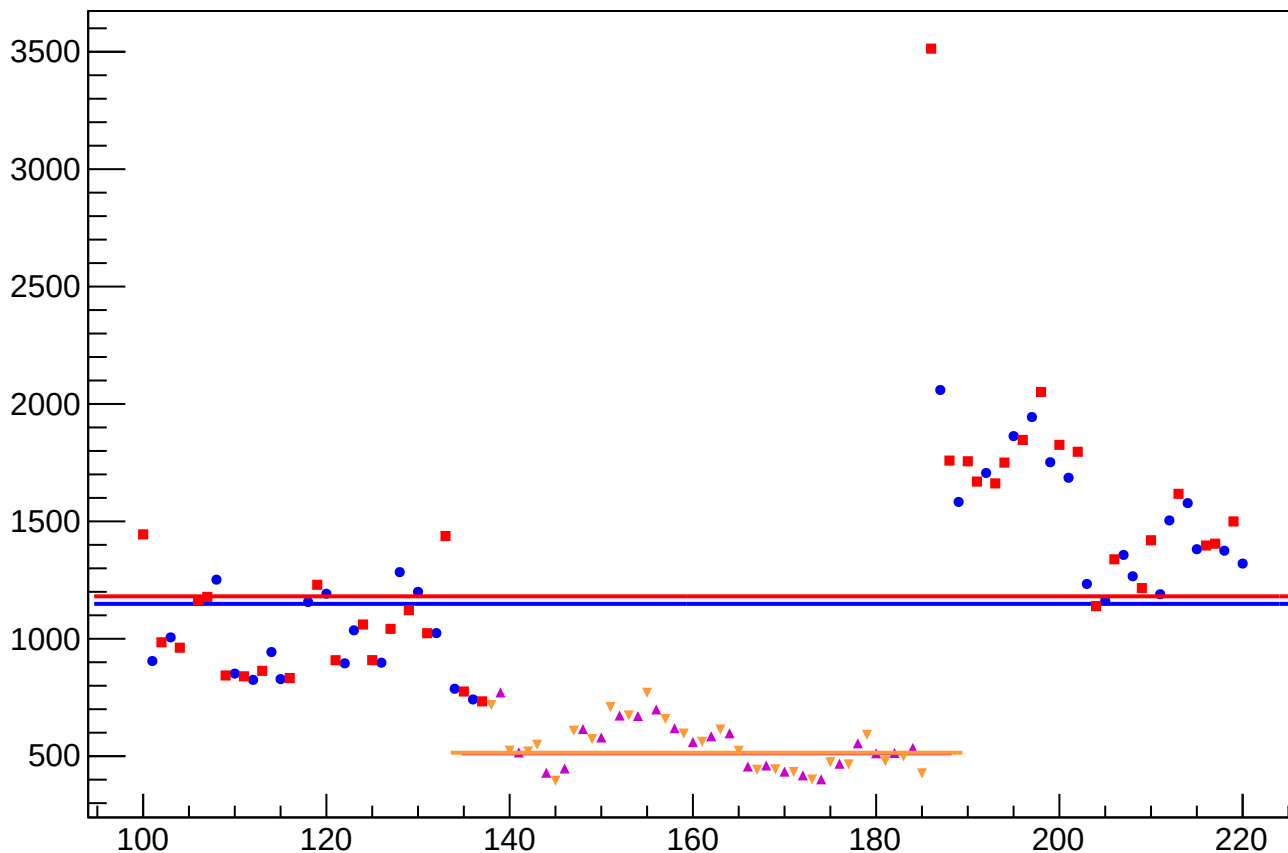
Left In: -100.548 $\pm$ 124.725 χ^2 /NDF: 25.5/22

+ sign -674.930 $\pm$ 111.575 χ^2 /NDF: 117.2/58

All: -490.752 $\pm$ 79.713 χ^2 /NDF: 211.6/118

- sign -298.743 $\pm$ 113.923 χ^2 /NDF: 88.9/59

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1148.707 $\pm$ 0.194 χ^2 /NDF: 2670307.2/33

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 1180.717 $\pm$ 0.198 χ^2 /NDF: 3274352.1/36

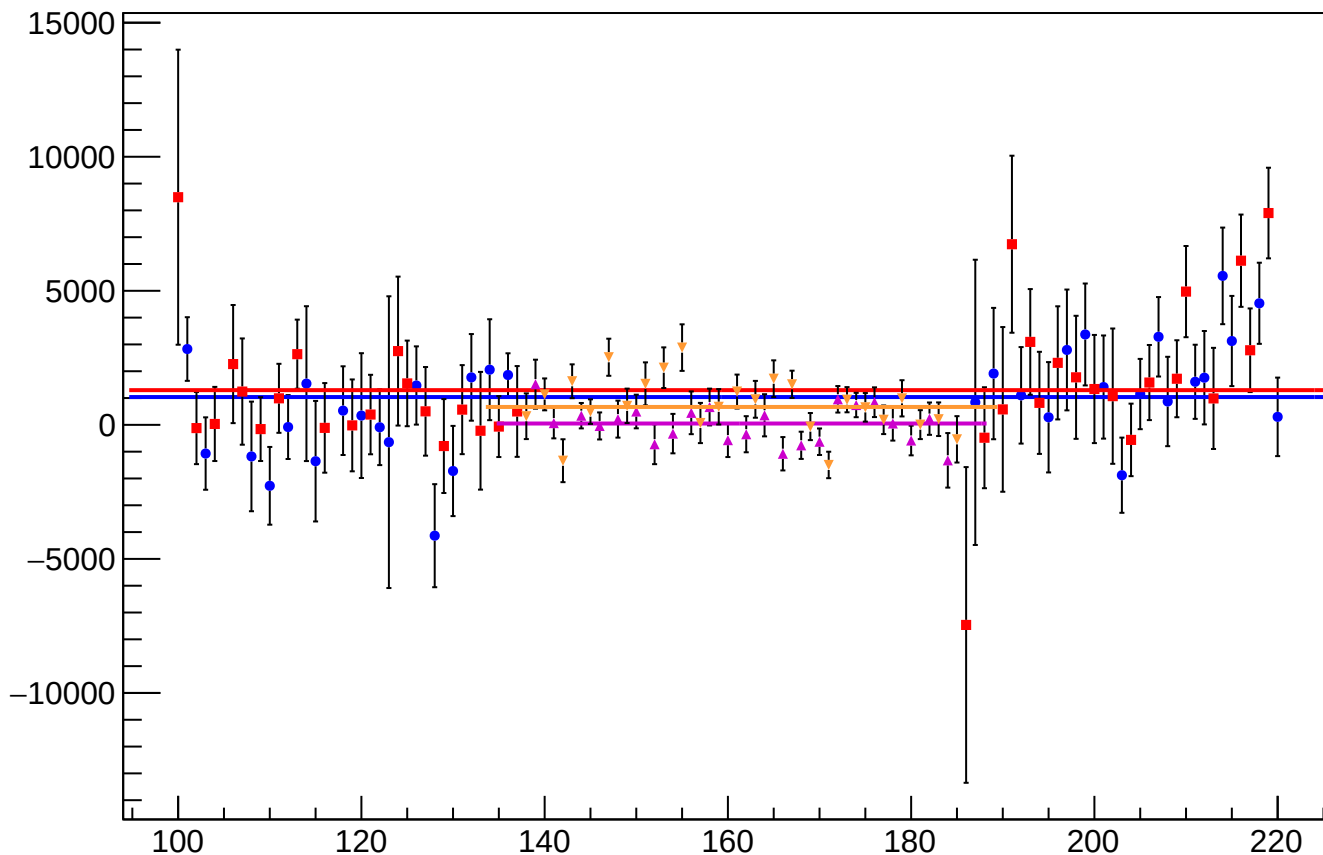
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 619.497 $\pm$ 0.079 χ^2 /NDF: 12770176.7/58

All: 621.204 $\pm$ 0.056 χ^2 /NDF: 26608519.3/11

- sign 622.983 $\pm$ 0.081 χ^2 /NDF: 13837386.4/59

asym_sam_12345678_avg_mean vs Slug



Right In: 1036.745 $\pm$ 275.491 χ^2 /NDF: 48.4/33

Left Out: 667.625 $\pm$ 123.146 χ^2 /NDF: 61.5/24

Right Out: 1294.397 $\pm$ 280.967 χ^2 /NDF: 50.2/36

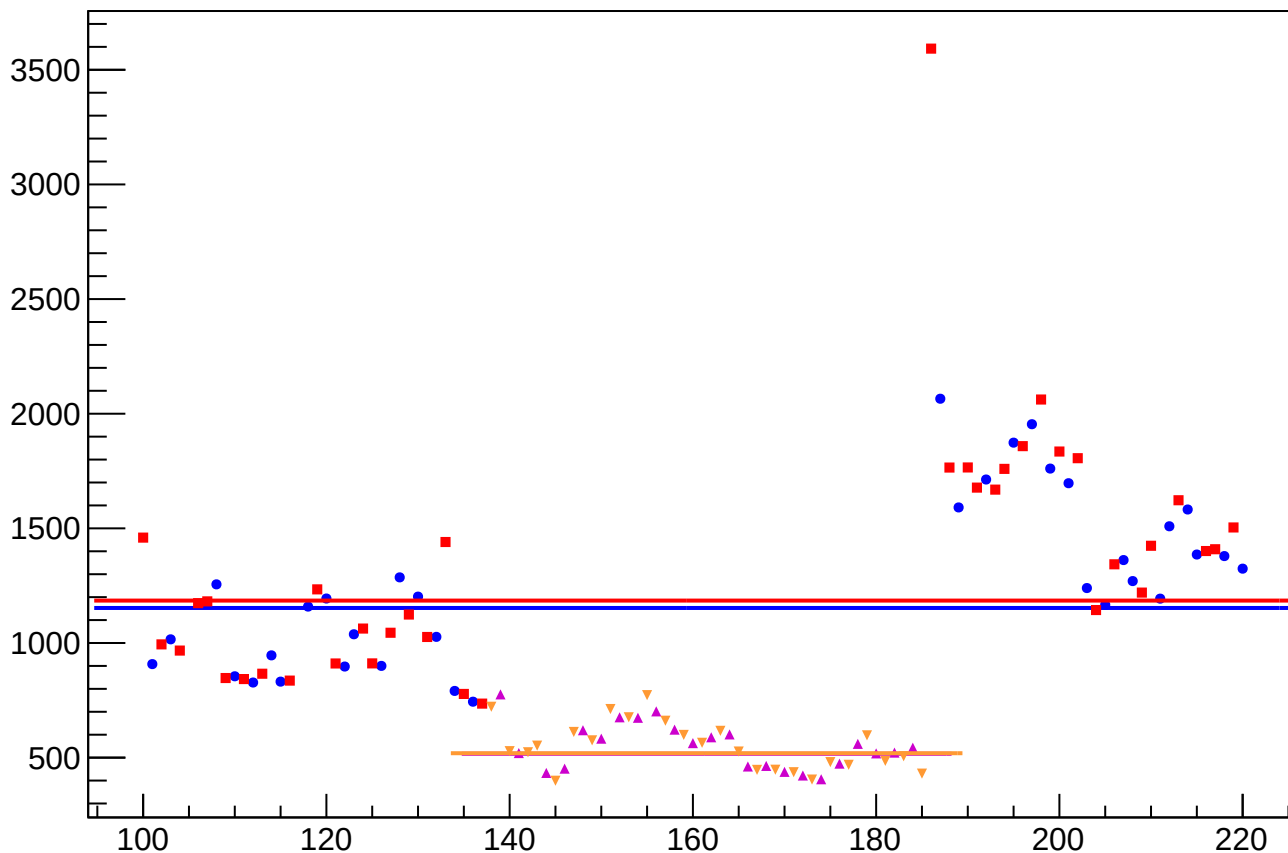
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF: 26.1/22

+ sign 729.097 $\pm$ 112.425 χ^2 /NDF: 111.4/58

All: 498.457 $\pm$ 80.330 χ^2 /NDF: 212.7/118

- sign 257.884 $\pm$ 114.820 χ^2 /NDF: 92.7/59

asym_sam_12345678_avg_rms vs Slug



Right In: 1152.771 $\pm$ 0.195 χ^2 /NDF: 2675688.7/33

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF: 1172411.1/24

Right Out: 1184.998 $\pm$ 0.199 χ^2 /NDF: 3287153.1/36

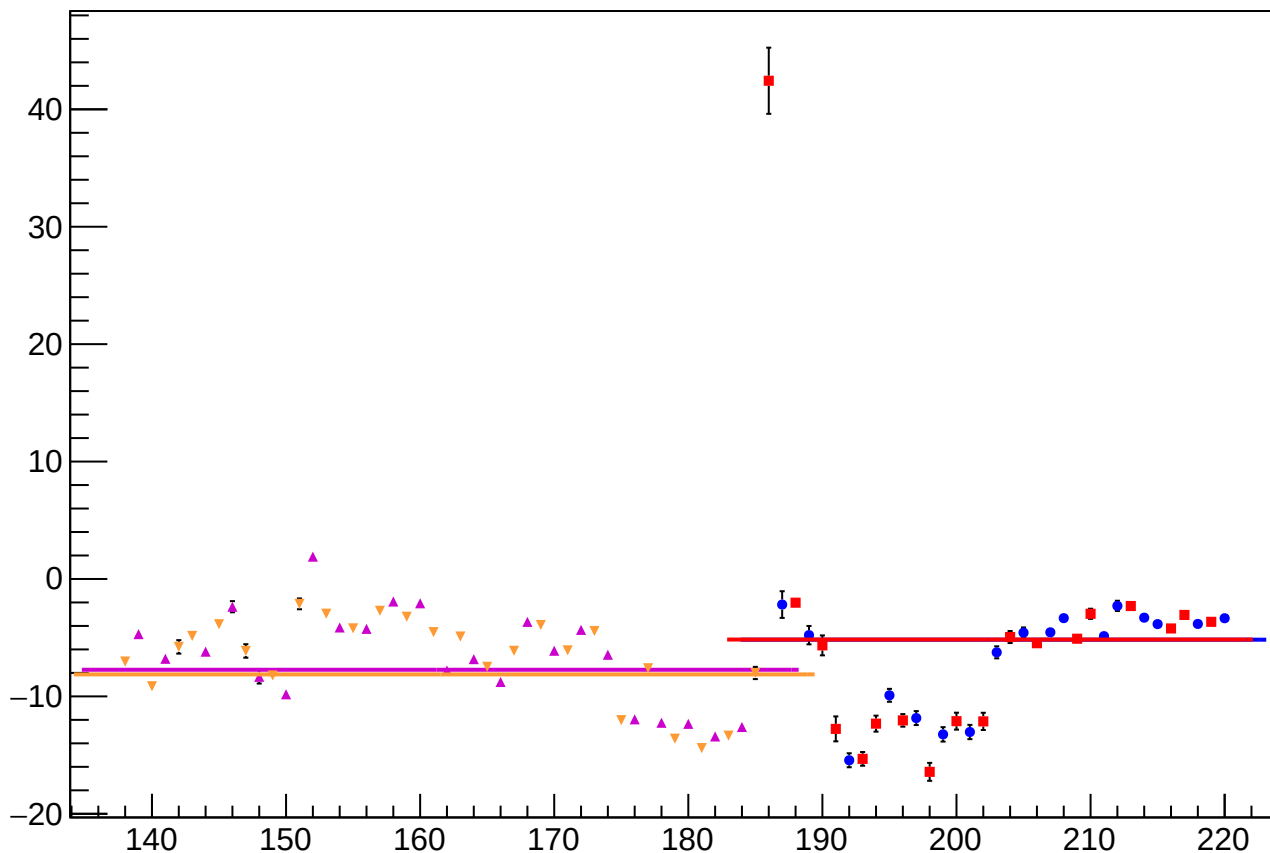
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF: 1021374.1/22

+ sign 624.758 $\pm$ 0.079 χ^2 /NDF: 12663039.5/58

All: 626.533 $\pm$ 0.057 χ^2 /NDF: 26395428.1/11

- sign 628.385 $\pm$ 0.081 χ^2 /NDF: 13731369.9/59

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -5.171 ± 0.102 χ^2/NDF : 1033.5/16

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -5.159 ± 0.103 χ^2/NDF : 1595.2/17

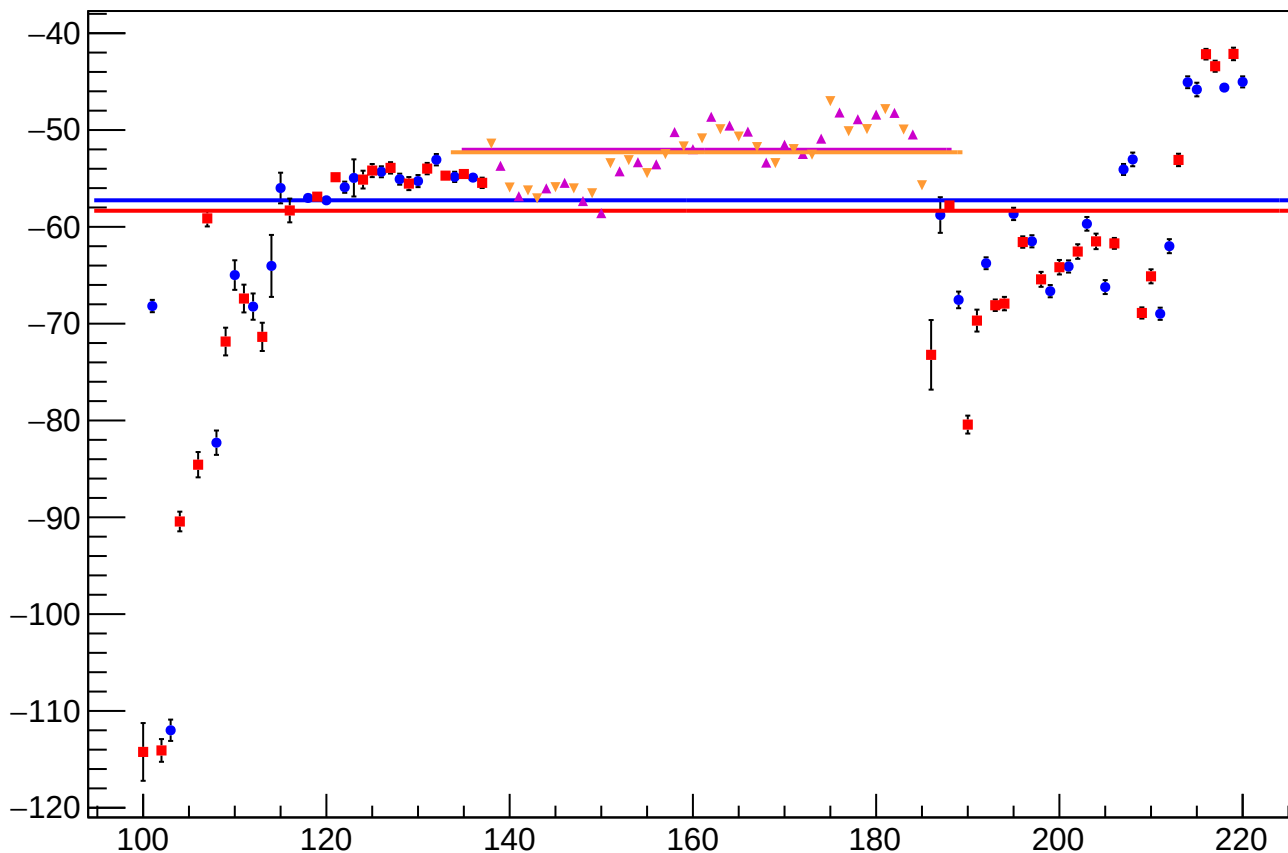
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -7.226 ± 0.056 χ^2/NDF : 5256.0/41

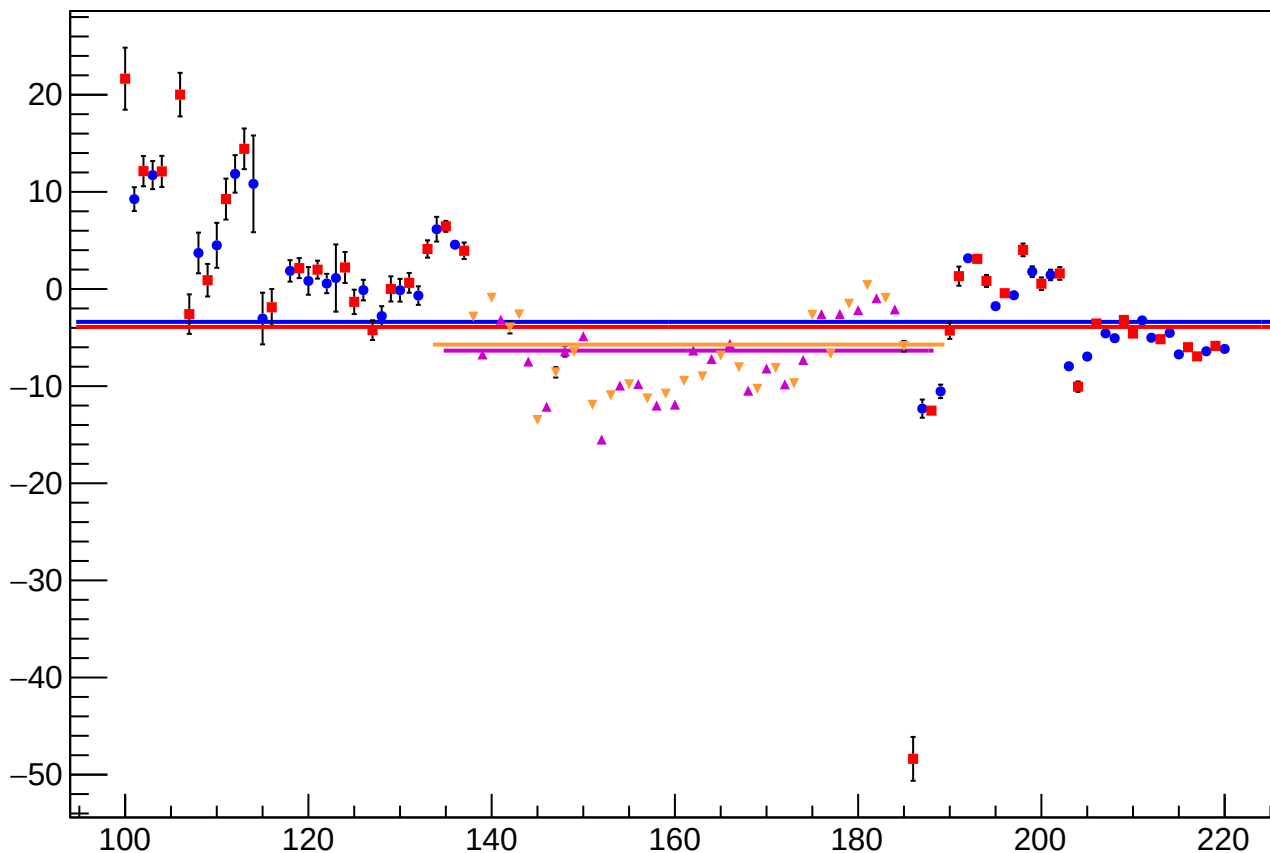
All: -7.085 ± 0.040 χ^2/NDF : 11014.1/82

- sign -6.938 ± 0.057 χ^2/NDF : 5745.2/40

reg_asym_sam1_diff_bpm4aY_slope vs Slug



reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -3.386 ± 0.096 χ^2/NDF : 1826.1/33

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -3.905 ± 0.096 χ^2/NDF : 3434.5/36

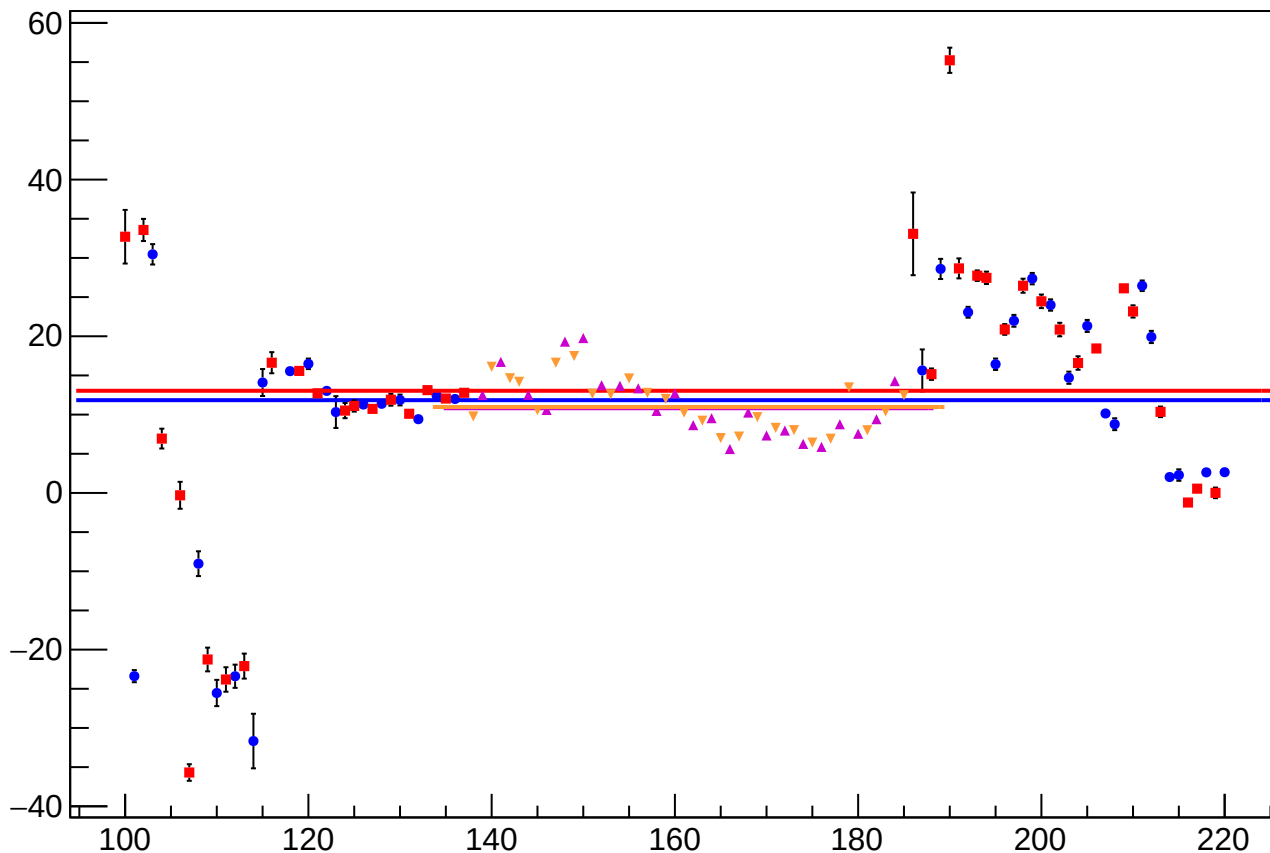
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.947 ± 0.055 χ^2/NDF : 6205.7/58

All: -5.230 ± 0.039 χ^2/NDF : 13503.8/118

- sign -5.520 ± 0.056 χ^2/NDF : 7244.8/59

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 11.842 ± 0.117 χ^2/NDF : 6922.5/33

Left Out: 10.967 ± 0.061 χ^2/NDF : 2637.7/24

Right Out: 13.044 ± 0.119 χ^2/NDF : 8536.6/36

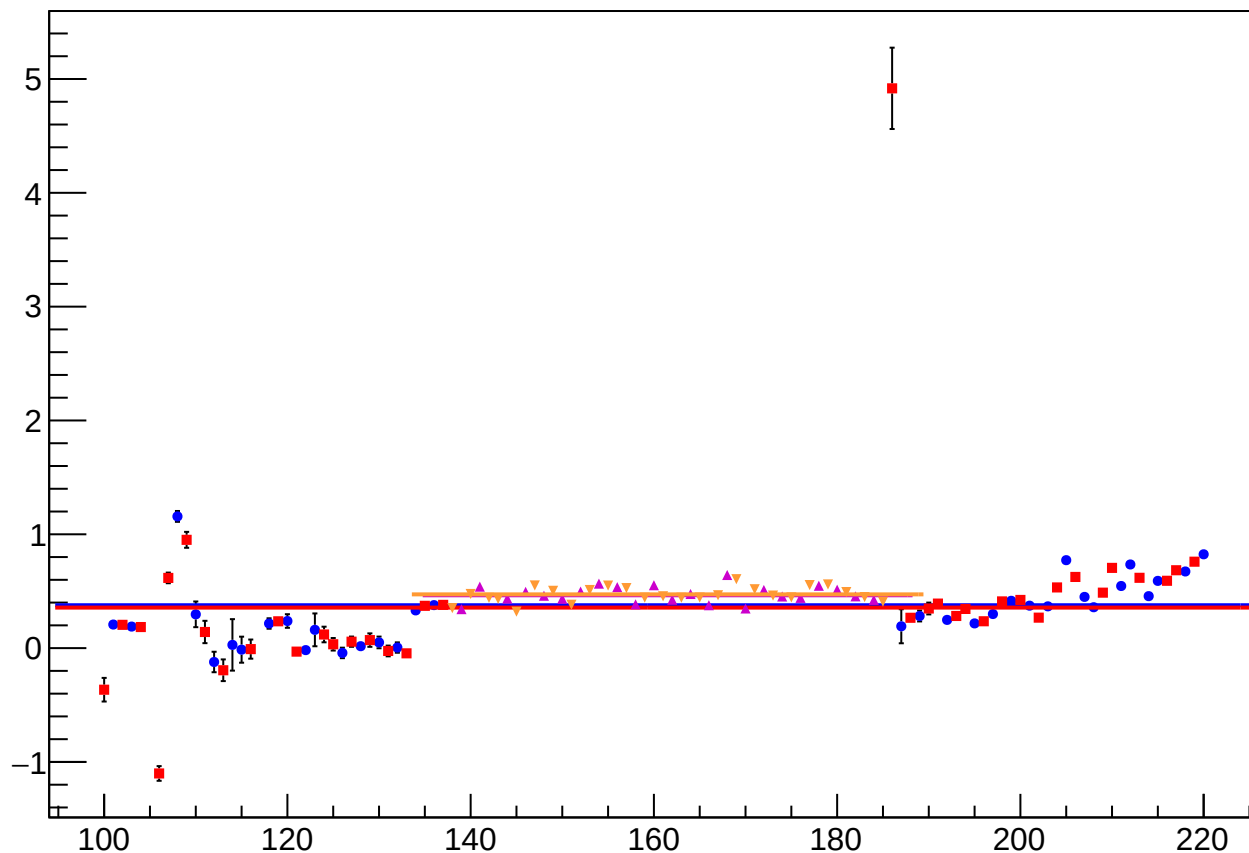
Left In: 10.813 ± 0.063 χ^2/NDF : 3546.8/22

+ sign 11.156 ± 0.054 χ^2/NDF : 9604.0/58

All: 11.227 ± 0.039 χ^2/NDF : 21964.2/118

- sign 11.302 ± 0.056 χ^2/NDF : 12356.7/59

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.377 ± 0.005 χ^2/NDF : 1399.5/33

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.356 ± 0.005 χ^2/NDF : 1977.7/36

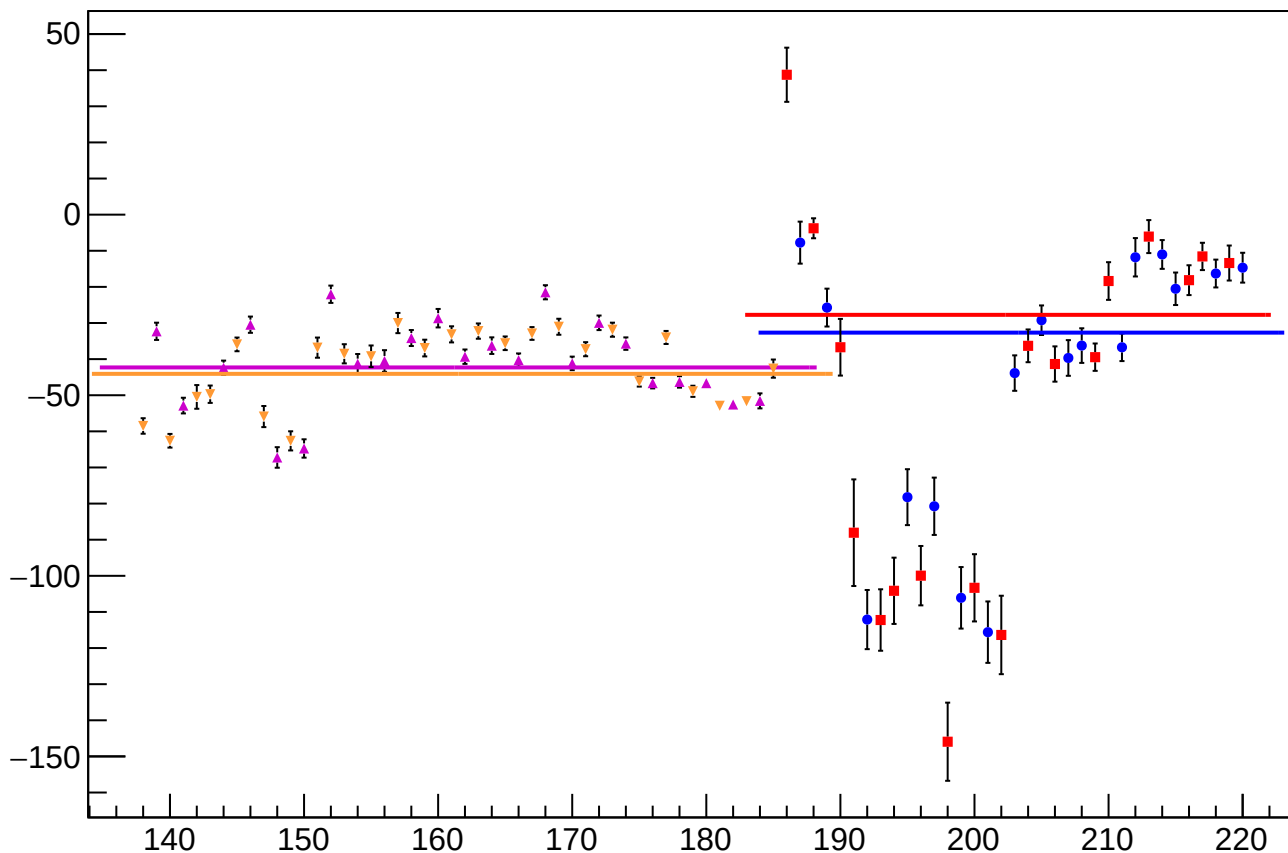
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.452 ± 0.002 χ^2/NDF : 2177.5/58

All: 0.446 ± 0.002 χ^2/NDF : 5217.7/118

- sign 0.441 ± 0.002 χ^2/NDF : 3031.5/59

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -32.665 ± 1.222 χ^2/NDF : 453.8/16

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -27.741 ± 1.236 χ^2/NDF : 747.9/17

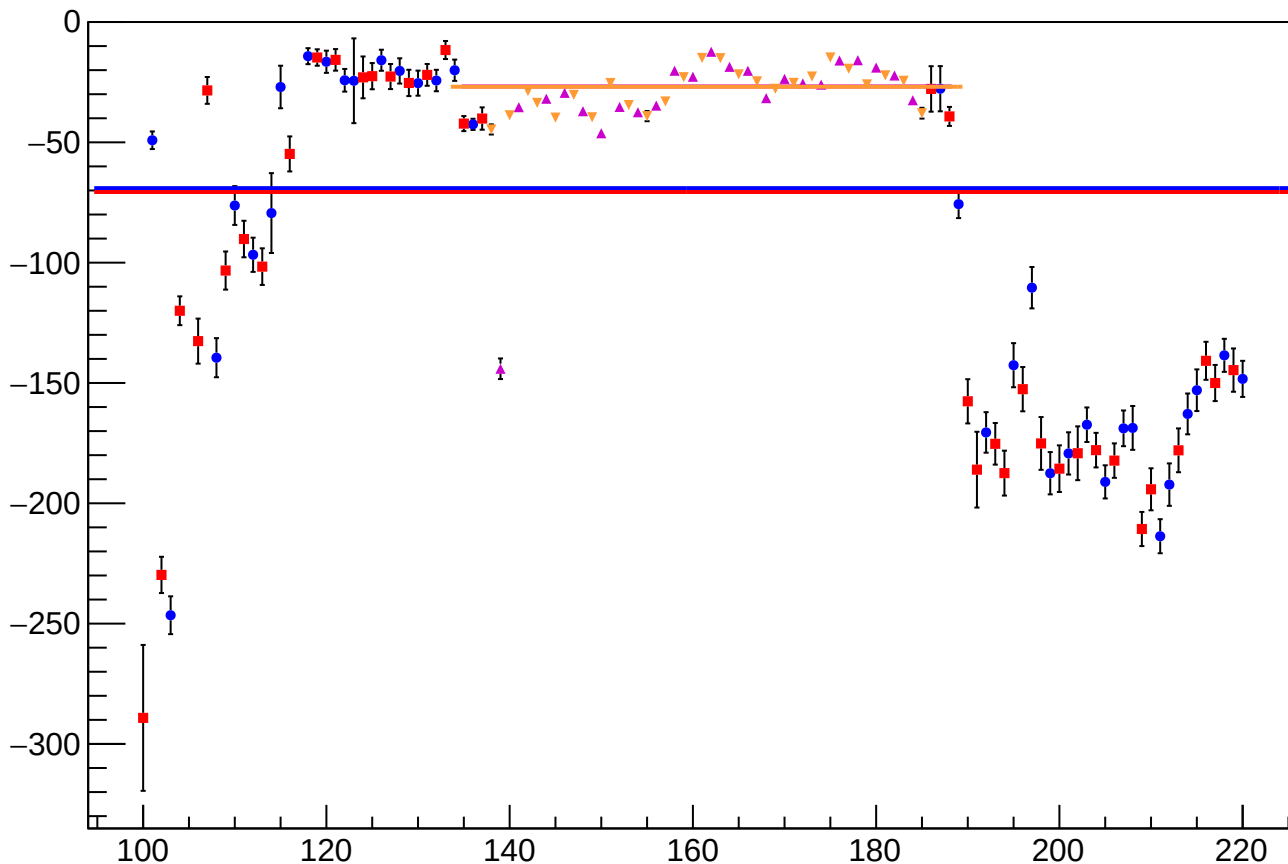
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -43.030 ± 0.370 χ^2/NDF : 1165.5/41

All: -42.006 ± 0.265 χ^2/NDF : 2695.4/82

- sign -40.929 ± 0.380 χ^2/NDF : 1514.2/40

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -69.035 ± 0.984 $\chi^2/\text{NDF}: 4250.1/33$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -70.631 ± 1.017 $\chi^2/\text{NDF}: 4269.7/36$

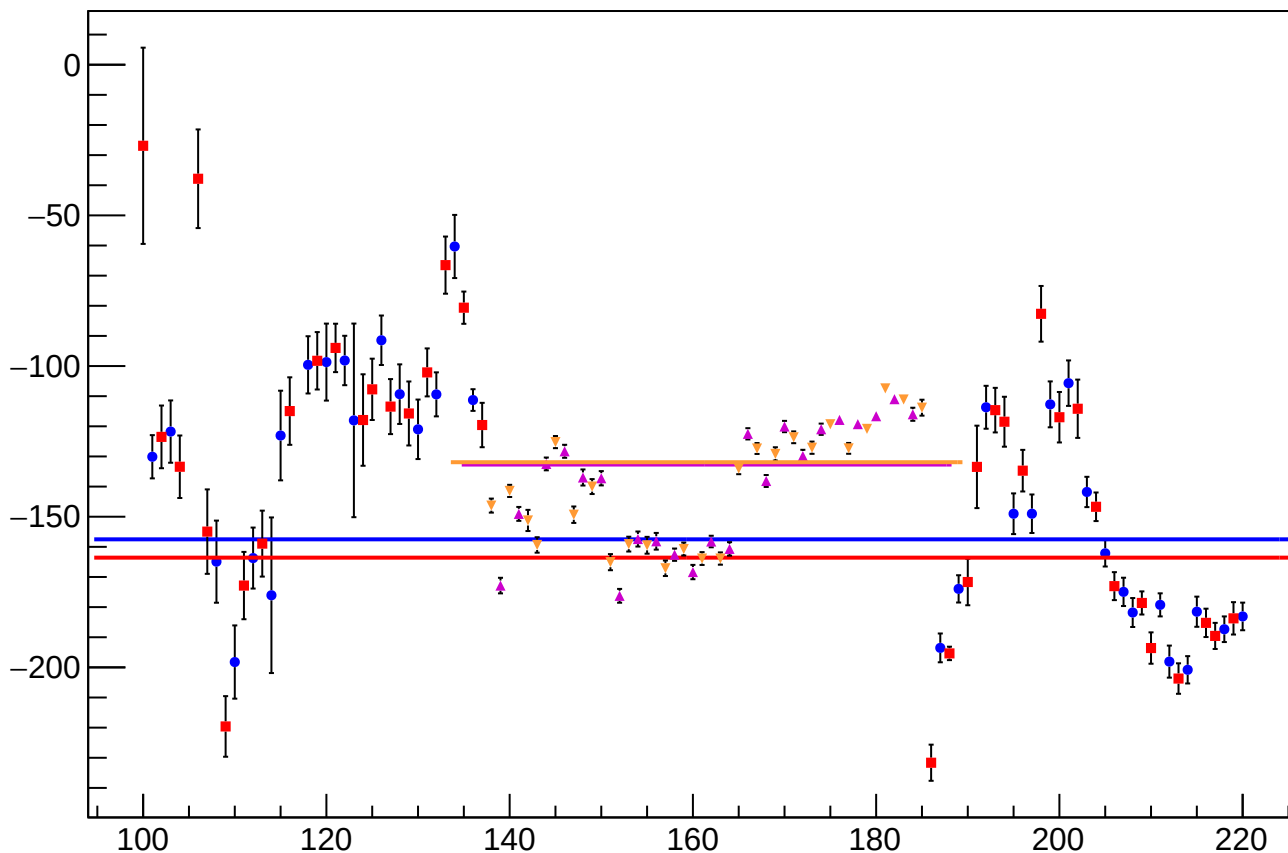
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -30.847 ± 0.301 $\chi^2/\text{NDF}: 6543.1/58$

All: -30.856 ± 0.216 $\chi^2/\text{NDF}: 13892.2/118$

- sign -30.864 ± 0.311 $\chi^2/\text{NDF}: 7349.1/59$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -157.508 ± 1.055 χ^2/NDF : 1081.8/33

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -163.583 ± 1.046 χ^2/NDF : 1565.5/36

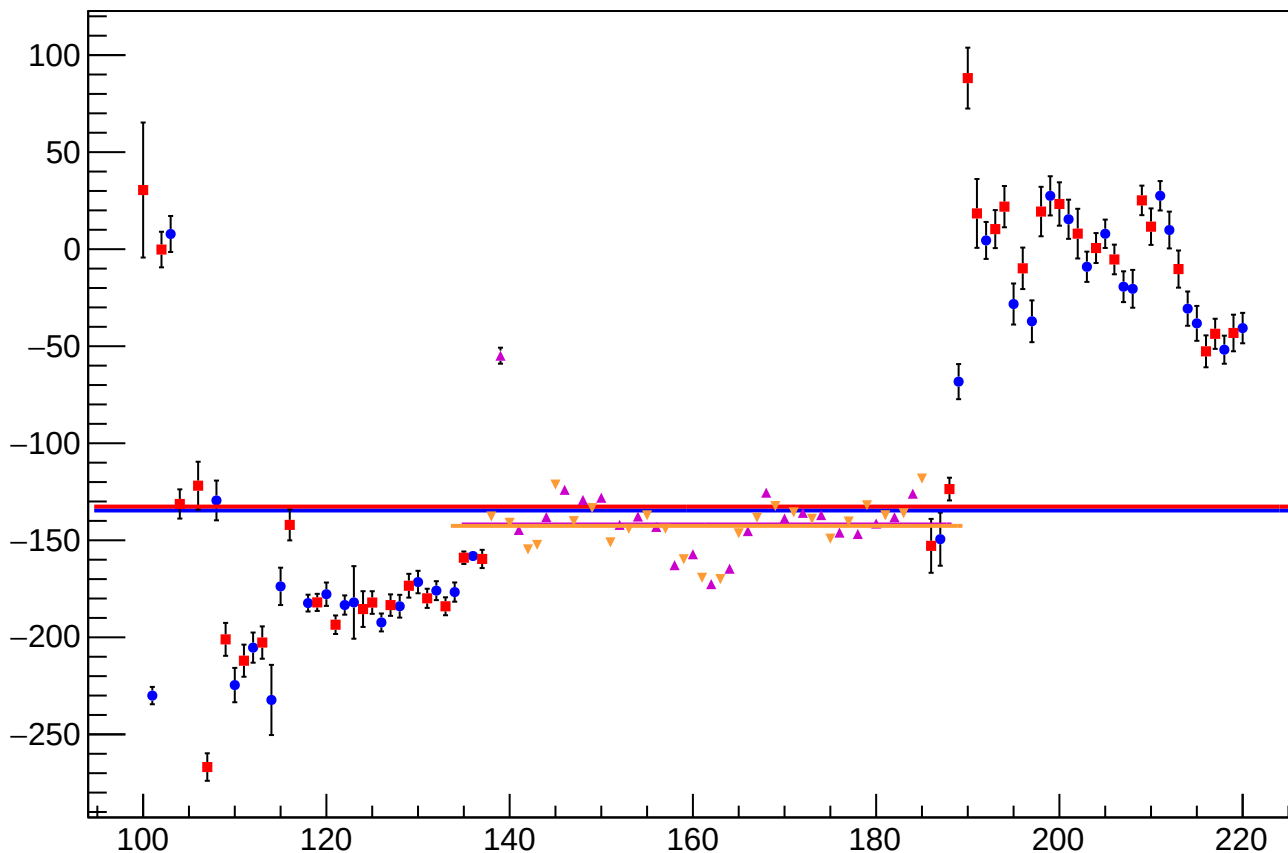
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -135.011 ± 0.367 χ^2/NDF : 4038.7/58

All: -135.802 ± 0.262 χ^2/NDF : 8855.1/118

- sign -136.620 ± 0.373 χ^2/NDF : 4806.9/59

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -134.639+/-1.099 χ^2/NDF : 4850.2/33

Left Out: -142.564+/-0.354 χ^2/NDF : 1147.7/24

Right Out: -132.635+/-1.156 χ^2/NDF : 4667.6/36

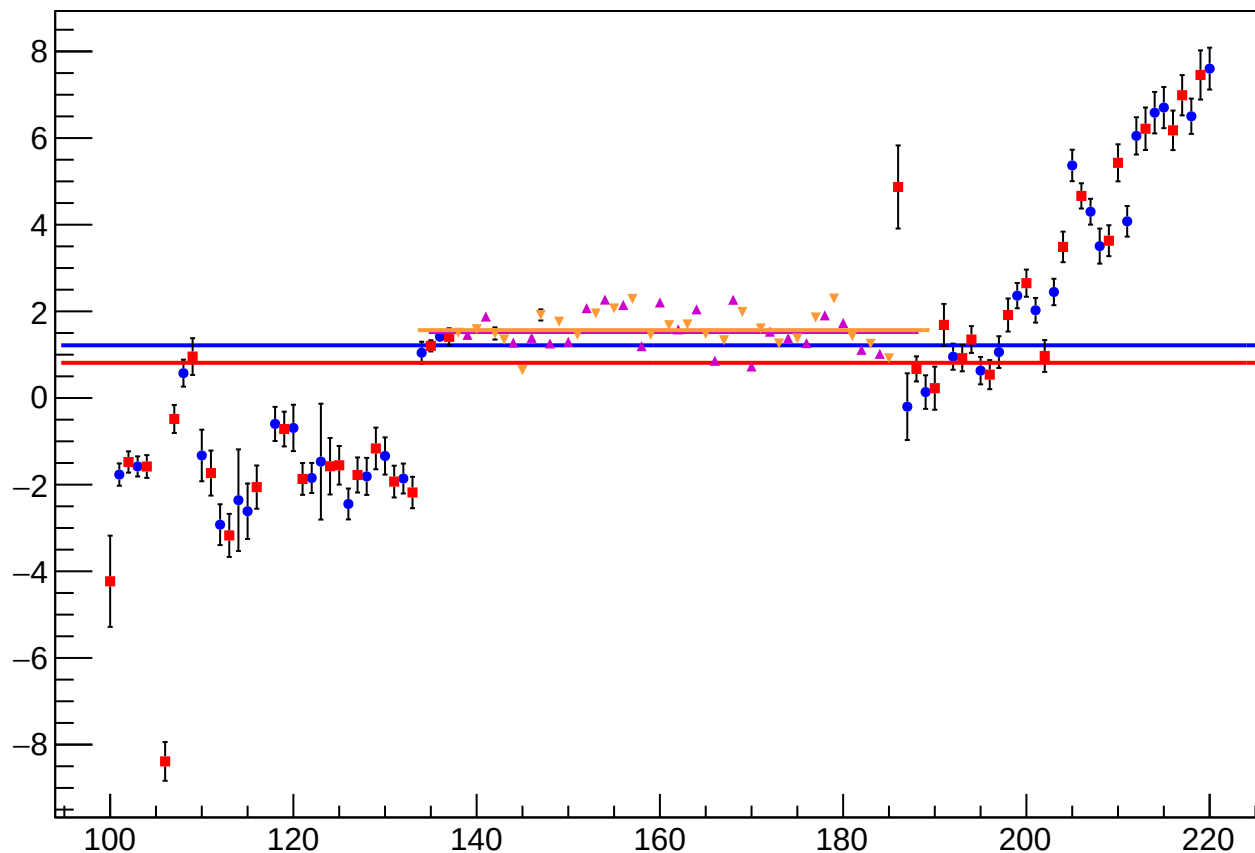
Left In: -141.856+/-0.364 χ^2/NDF : 1544.3/22

+ sign -141.819+/-0.337 χ^2/NDF : 6045.0/58

All: -141.434+/-0.242 χ^2/NDF : 12317.4/118

- sign -141.026+/-0.347 χ^2/NDF : 6269.7/59

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.216 ± 0.053 χ^2/NDF : 1933.6/33

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 0.813 ± 0.056 χ^2/NDF : 2116.2/36

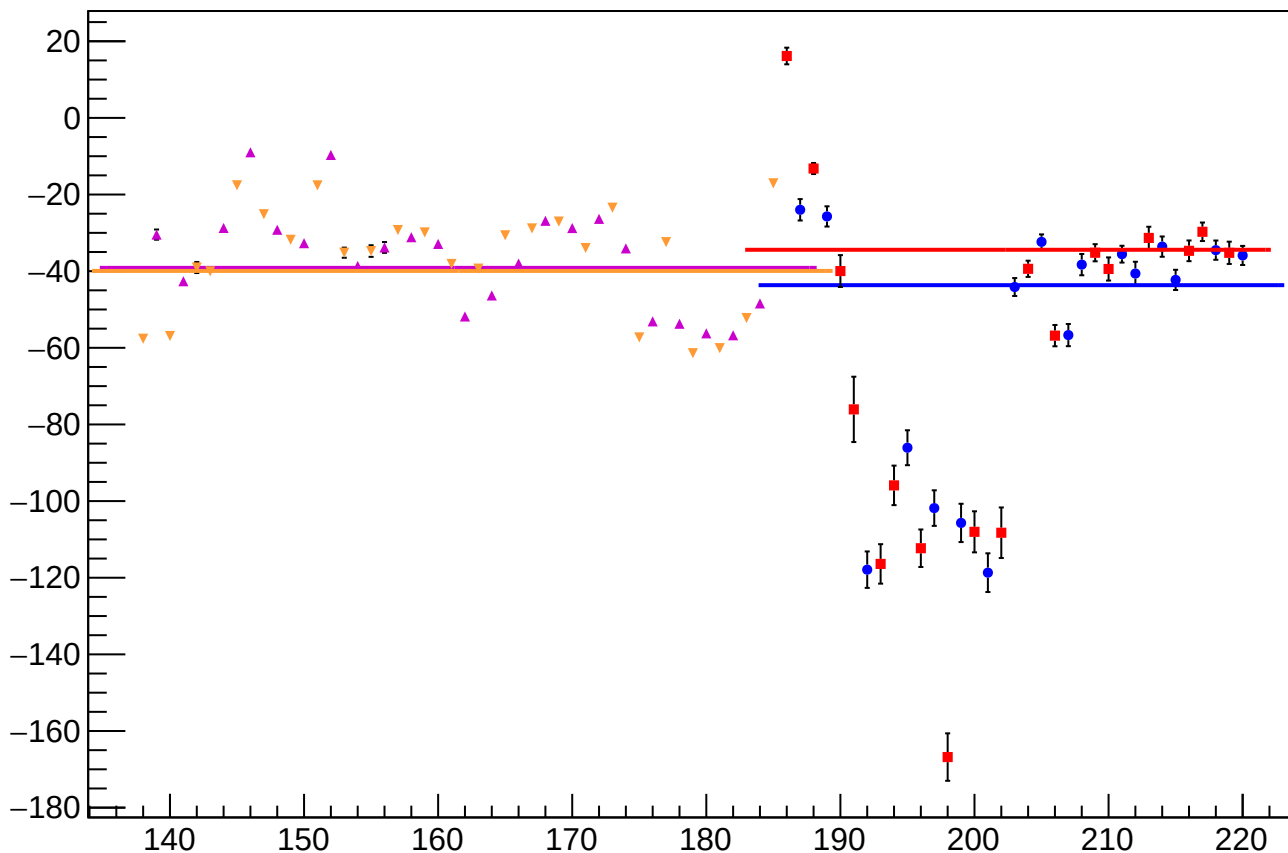
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.537 ± 0.015 χ^2/NDF : 2515.8/58

All: 1.502 ± 0.011 χ^2/NDF : 5530.1/118

- sign 1.466 ± 0.016 χ^2/NDF : 3004.0/59

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -43.652 ± 0.689 χ^2/NDF : 1067.9/16

Left Out: -39.935 ± 0.153 χ^2/NDF : 9806.5/24

Right Out: -34.417 ± 0.678 χ^2/NDF : 2283.5/17

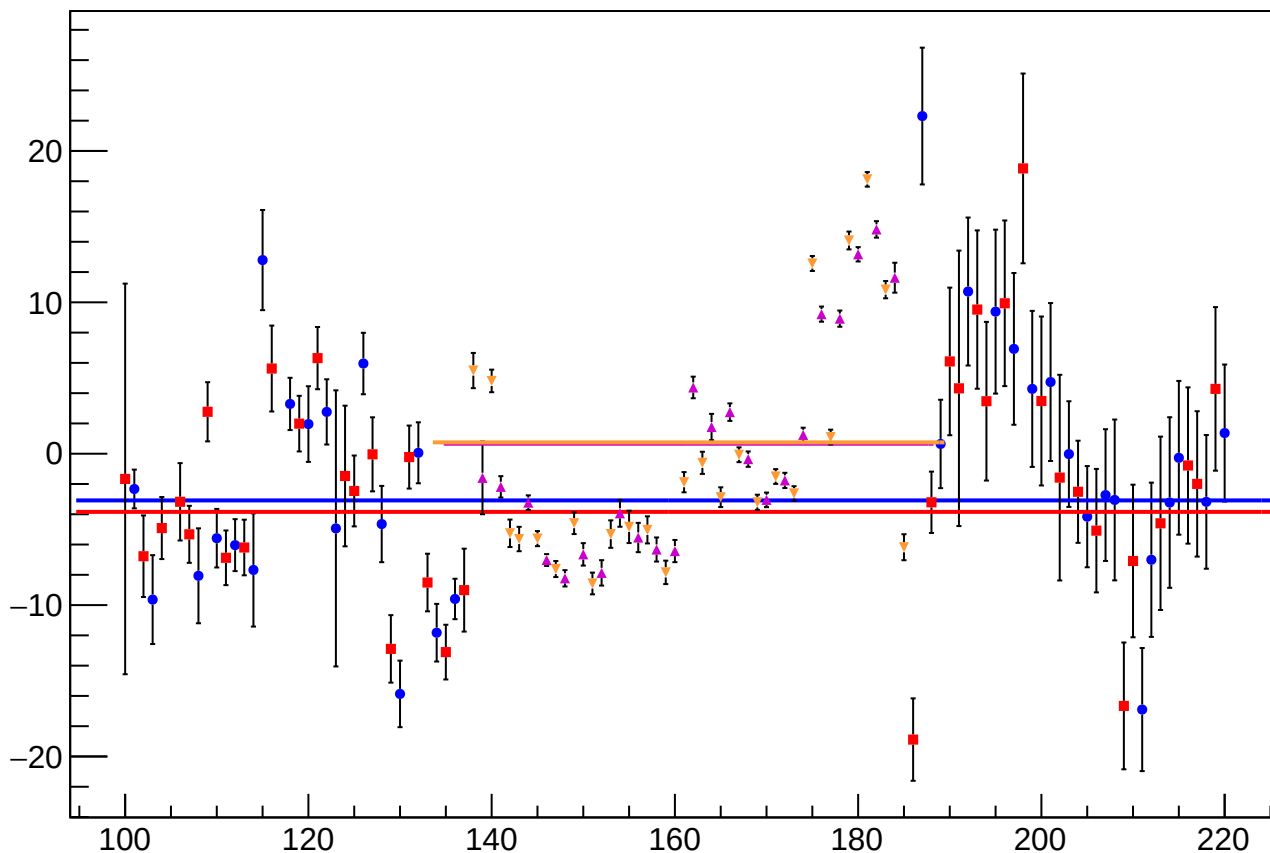
Left In: -39.137 ± 0.155 χ^2/NDF : 8534.5/22

+ sign -40.110 ± 0.150 χ^2/NDF : 10902.2/41

All: -39.512 ± 0.106 χ^2/NDF : 21798.5/82

- sign -38.904 ± 0.151 χ^2/NDF : 10864.0/40

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.085 ± 0.452 $\chi^2/\text{NDF}: 232.5/33$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.842 ± 0.452 $\chi^2/\text{NDF}: 200.2/36$

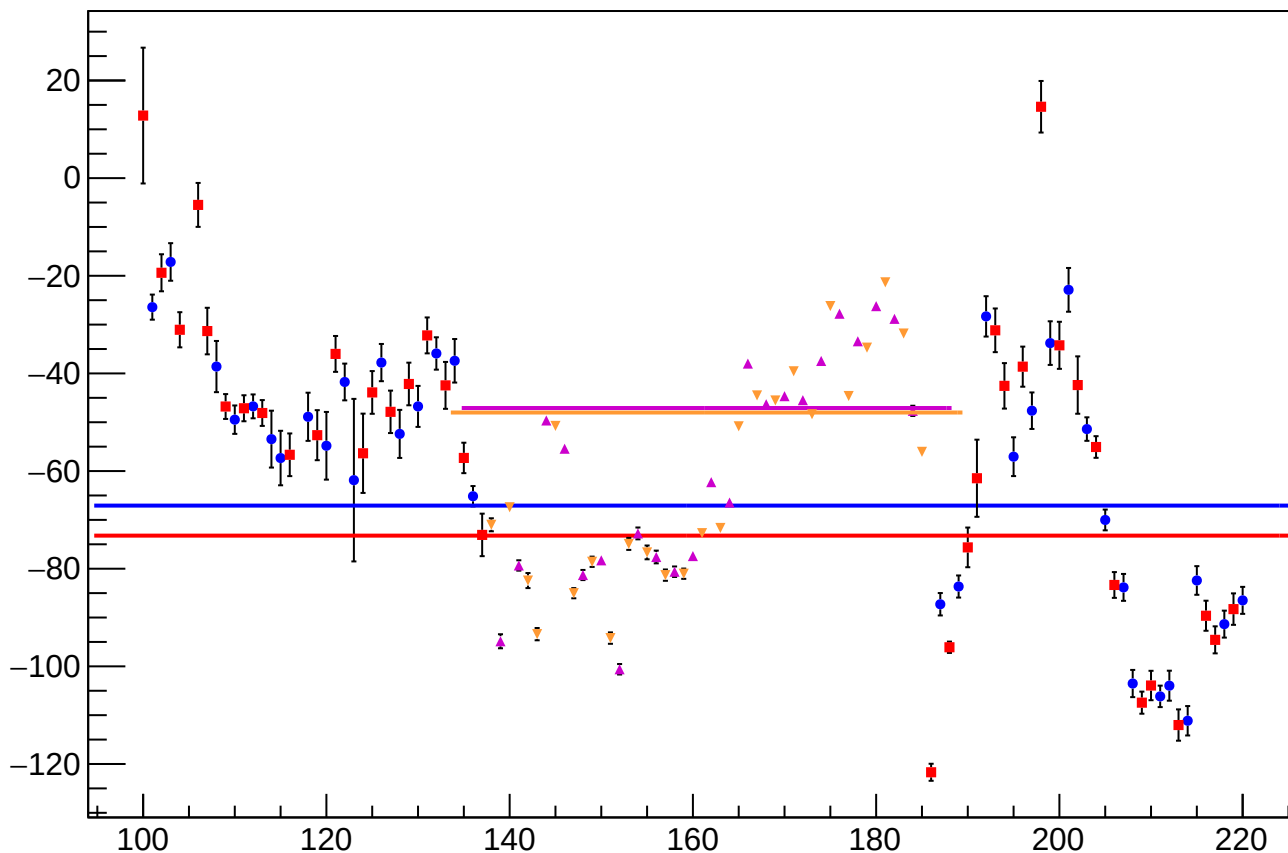
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.480 ± 0.120 $\chi^2/\text{NDF}: 4270.3/58$

All: 0.412 ± 0.085 $\chi^2/\text{NDF}: 7901.1/118$

- sign 0.344 ± 0.120 $\chi^2/\text{NDF}: 3630.2/59$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -67.074 ± 0.542 χ^2/NDF : 2334.4/33

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -73.224 ± 0.514 χ^2/NDF : 3839.0/36

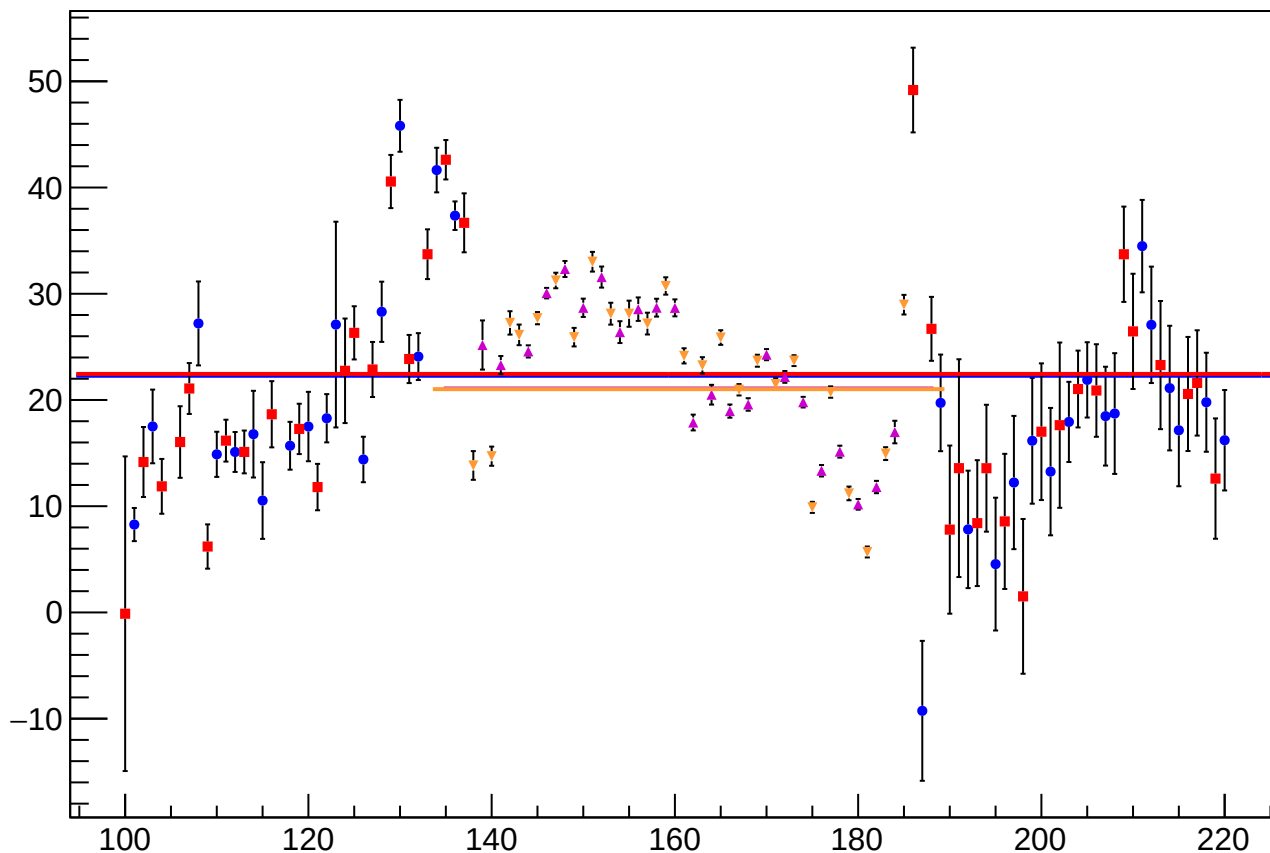
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -49.446 ± 0.149 χ^2/NDF : 20430.6/58

All: -49.360 ± 0.105 χ^2/NDF : 42156.6/118

- sign -49.274 ± 0.149 χ^2/NDF : 21725.3/59

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.282 ± 0.508 $\chi^2/\text{NDF}: 517.6/33$

Left Out: 21.020 ± 0.139 $\chi^2/\text{NDF}: 2799.3/24$

Right Out: 22.453 ± 0.518 $\chi^2/\text{NDF}: 449.7/36$

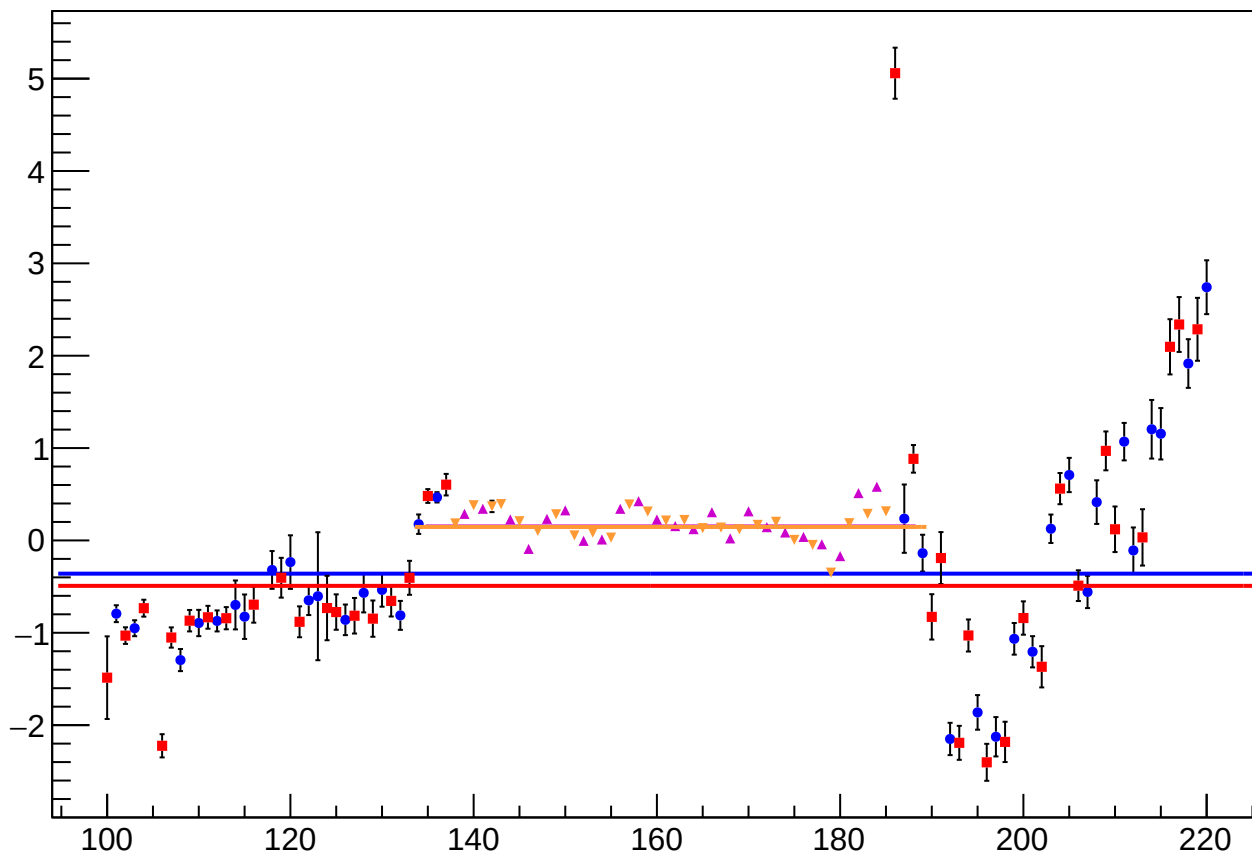
Left In: 21.079 ± 0.140 $\chi^2/\text{NDF}: 2173.2/22$

+ sign 21.108 ± 0.134 $\chi^2/\text{NDF}: 3322.6/58$

All: 21.139 ± 0.095 $\chi^2/\text{NDF}: 5952.1/118$

- sign 21.172 ± 0.135 $\chi^2/\text{NDF}: 2629.5/59$

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.360 ± 0.026 $\chi^2/\text{NDF}: 1068.9/33$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.492 ± 0.026 $\chi^2/\text{NDF}: 1649.7/36$

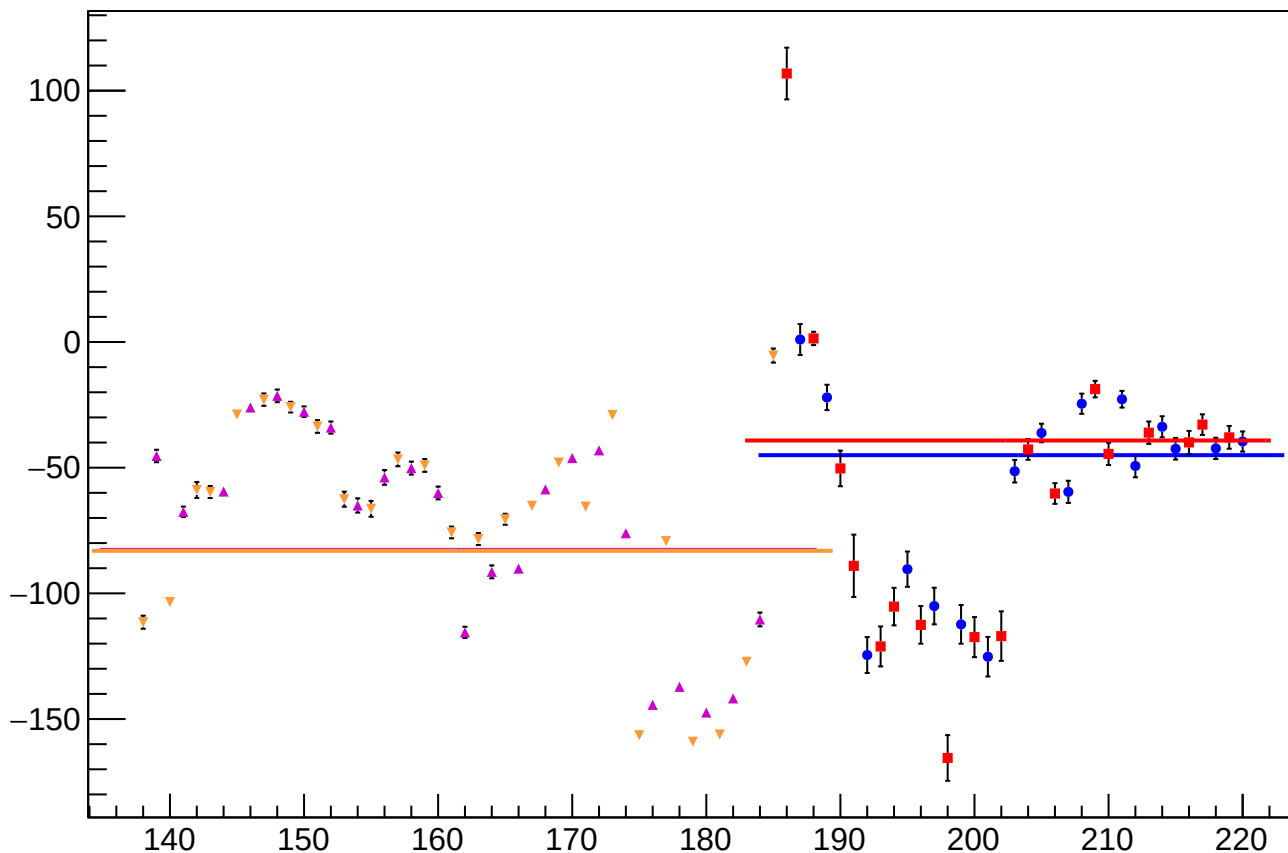
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.118 ± 0.006 $\chi^2/\text{NDF}: 2040.5/58$

All: 0.116 ± 0.004 $\chi^2/\text{NDF}: 5141.1/118$

- sign 0.114 ± 0.006 $\chi^2/\text{NDF}: 3100.4/59$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -45.021 ± 1.145 χ^2/NDF : 590.3/16

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -39.186 ± 1.167 χ^2/NDF : 1156.5/17

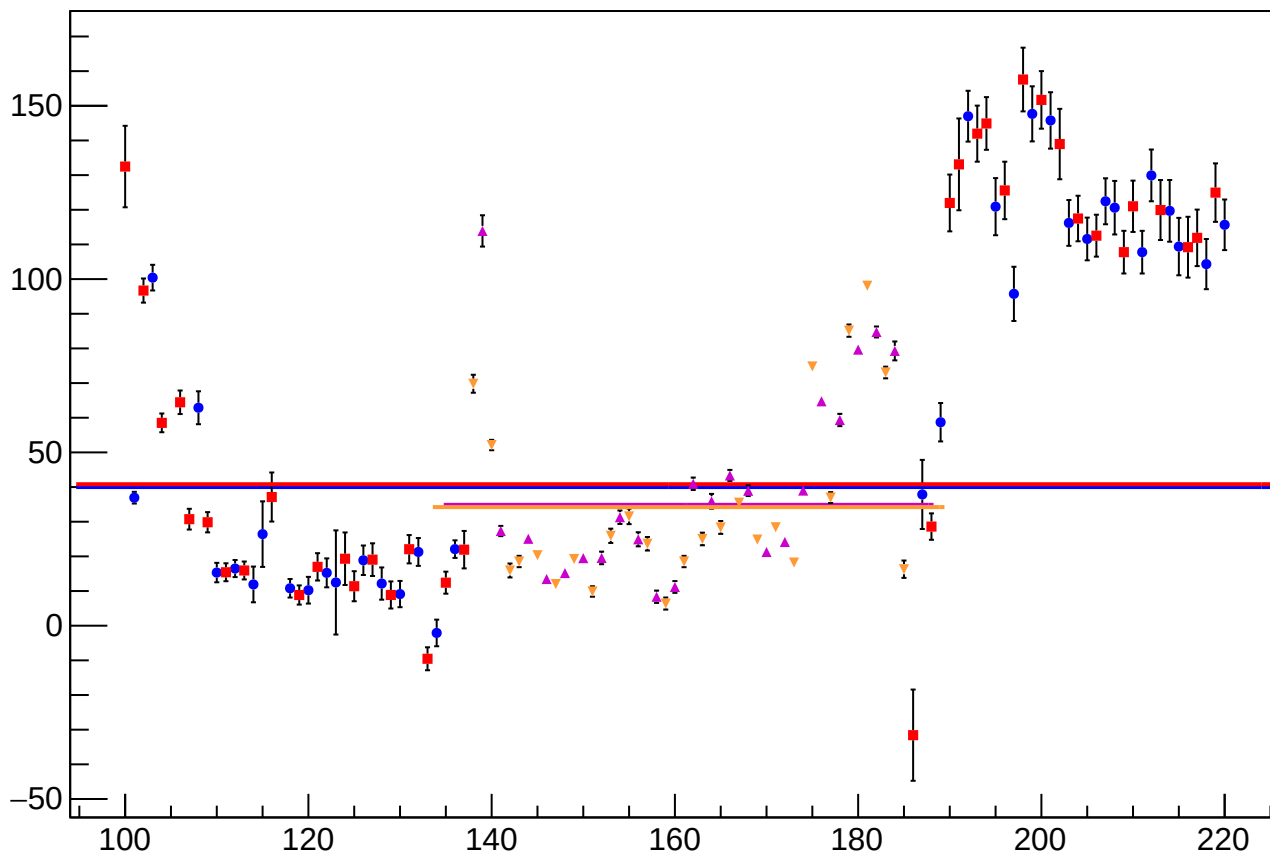
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -78.814 ± 0.383 χ^2/NDF : 15387.8/41

All: -78.329 ± 0.274 χ^2/NDF : 28623.6/82

- sign -77.822 ± 0.391 χ^2/NDF : 13232.5/40

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 40.001 ± 0.734 χ^2/NDF : 2887.2/33

Left Out: 34.219 ± 0.320 χ^2/NDF : 6192.6/24

Right Out: 40.819 ± 0.735 χ^2/NDF : 3181.4/36

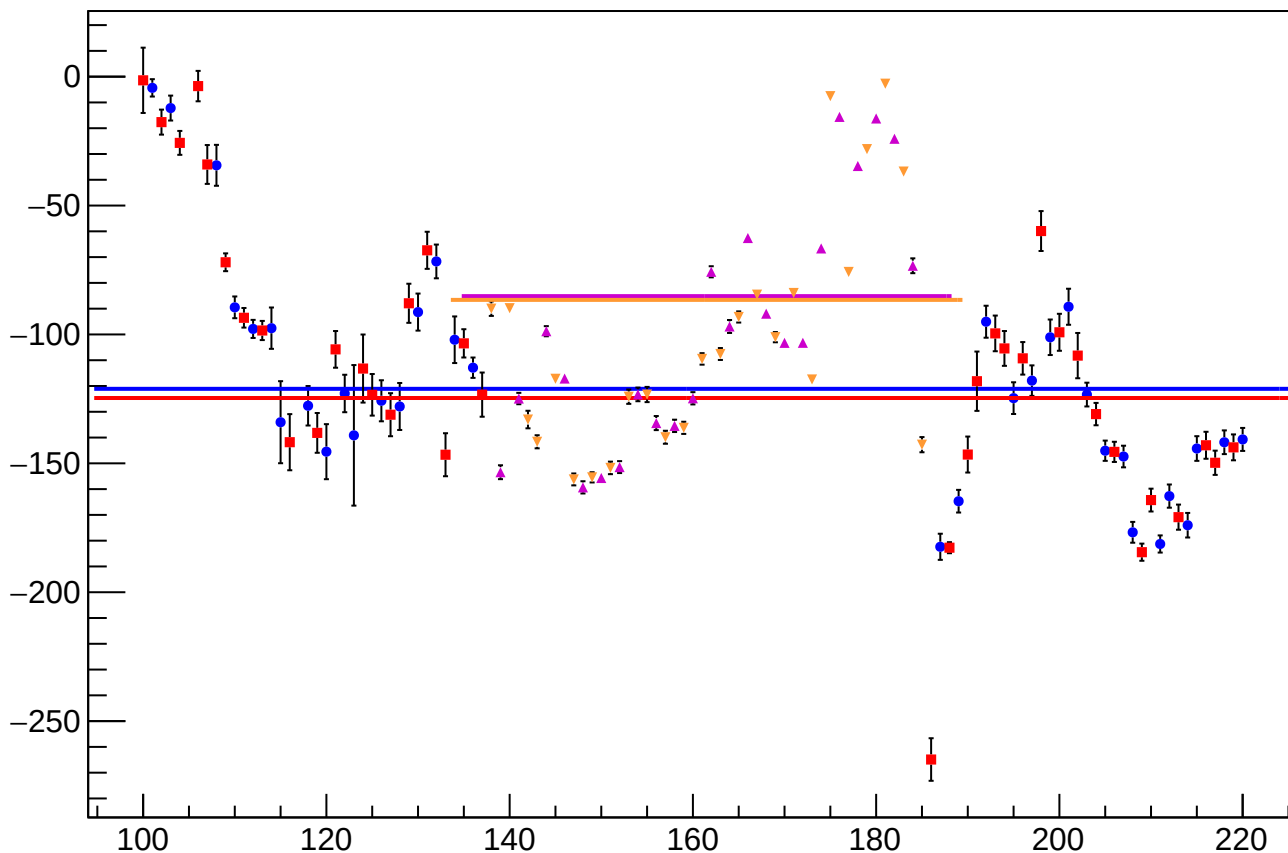
Left In: 34.870 ± 0.329 χ^2/NDF : 4716.1/22

+ sign 35.143 ± 0.294 χ^2/NDF : 9131.9/58

All: 35.495 ± 0.210 χ^2/NDF : 17086.9/118

- sign 35.863 ± 0.300 χ^2/NDF : 7952.0/59

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -121.095 ± 0.889 χ^2/NDF : 3184.8/33

Left Out: -86.595 ± 0.408 χ^2/NDF : 14515.7/24

Right Out: -124.658 ± 0.862 χ^2/NDF : 3798.6/36

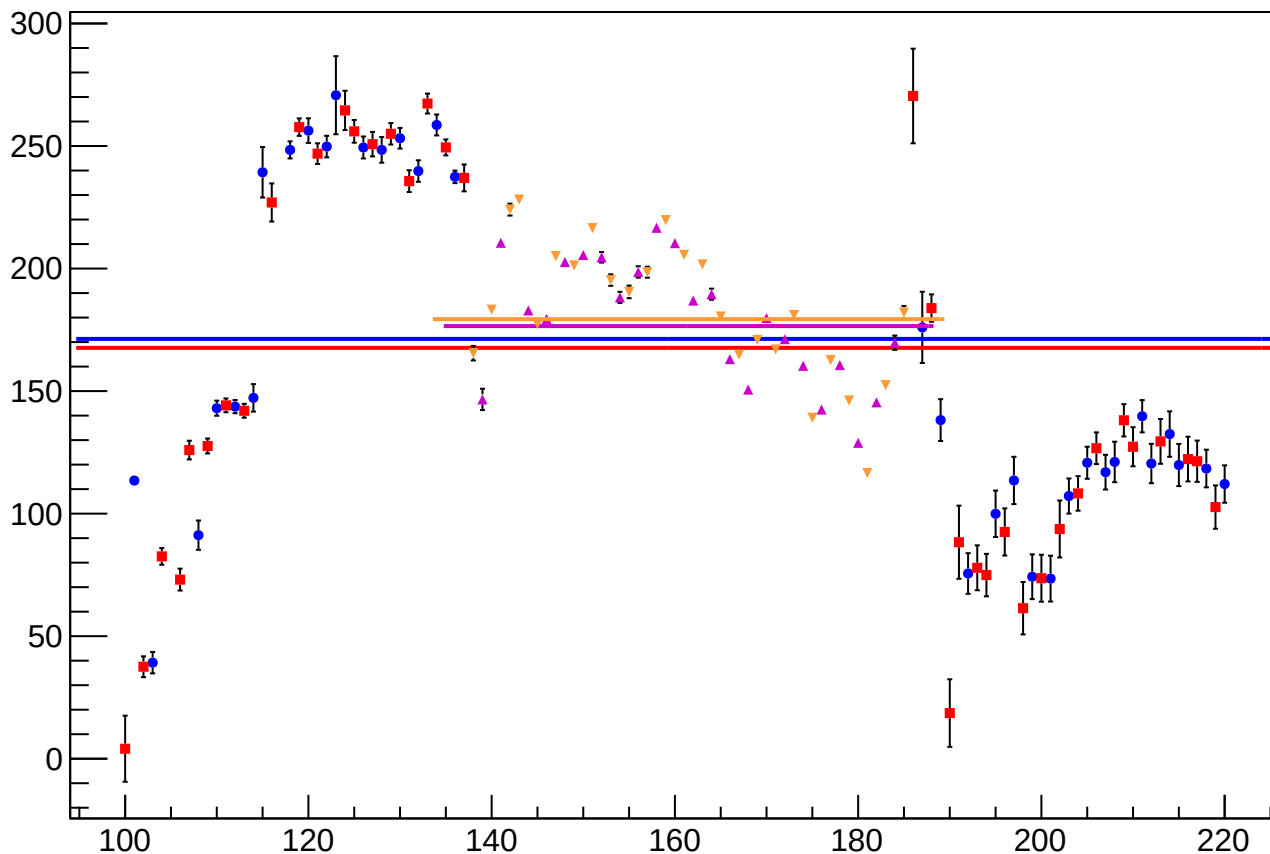
Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

+ sign -92.606 ± 0.371 χ^2/NDF : 18943.5/58

All: -92.589 ± 0.263 χ^2/NDF : 37290.3/118

- sign -92.573 ± 0.374 χ^2/NDF : 18346.8/59

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 171.300 ± 0.835 χ^2/NDF : 6415.2/33

Left Out: 179.359 ± 0.362 χ^2/NDF : 5982.2/24

Right Out: 167.650 ± 0.842 χ^2/NDF : 7430.8/36

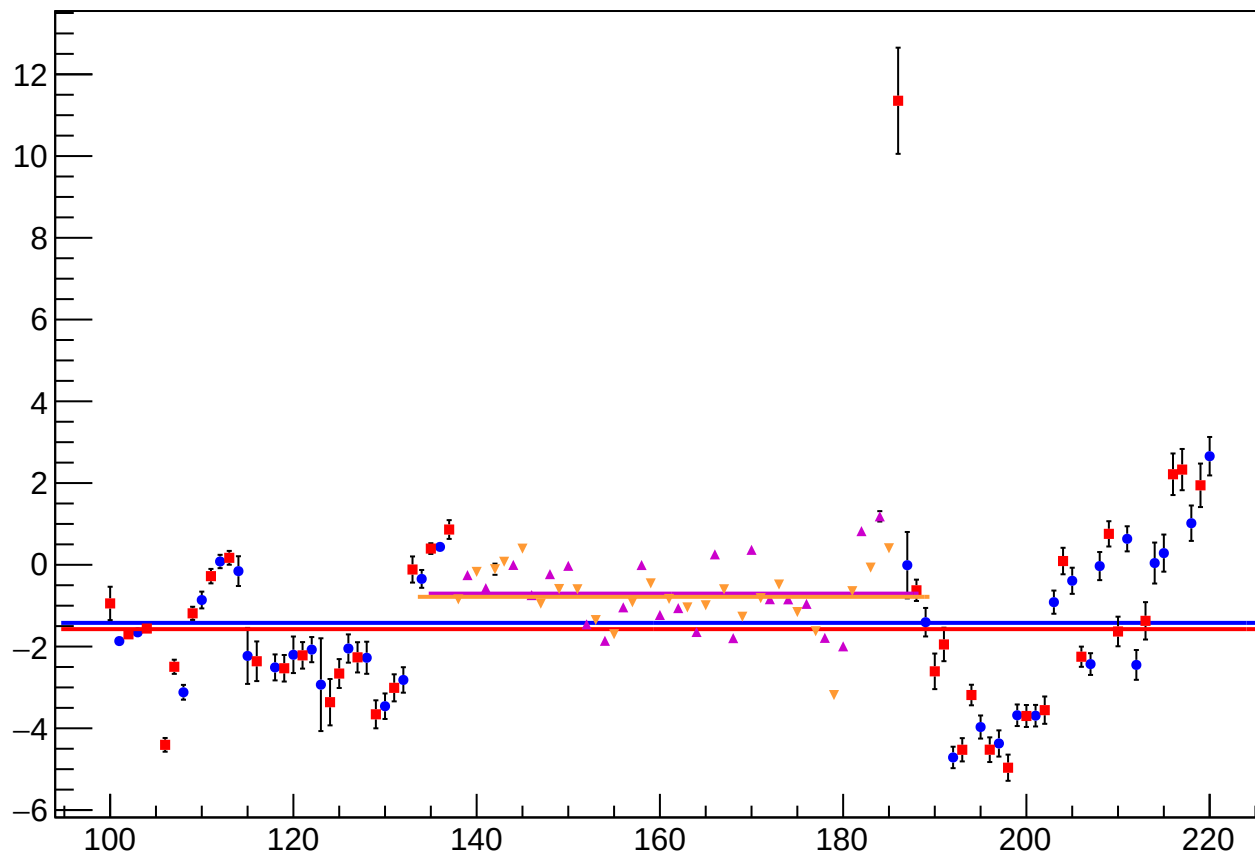
Left In: 176.531 ± 0.371 χ^2/NDF : 4426.0/22

+ sign 178.085 ± 0.332 χ^2/NDF : 12475.8/58

All: 176.620 ± 0.237 χ^2/NDF : 24465.5/118

- sign 175.089 ± 0.339 χ^2/NDF : 11949.9/59

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.421 ± 0.041 χ^2/NDF : 1343.0/33

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.574 ± 0.040 χ^2/NDF : 1758.5/36

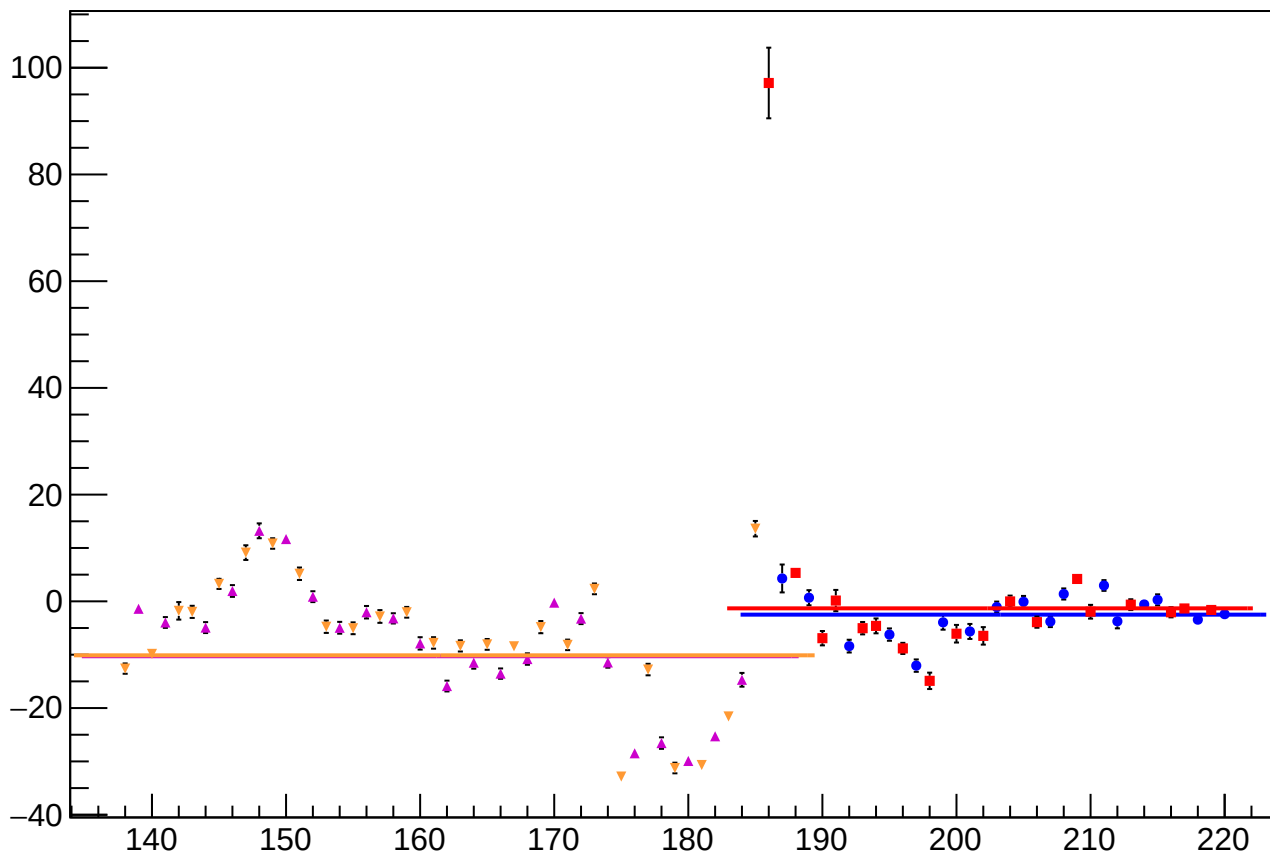
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.872 ± 0.015 χ^2/NDF : 3319.8/58

All: -0.855 ± 0.011 χ^2/NDF : 7893.6/118

- sign -0.838 ± 0.016 χ^2/NDF : 4571.4/59

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -2.494 ± 0.270 χ^2/NDF : 185.0/16

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.315 ± 0.261 χ^2/NDF : 559.3/17

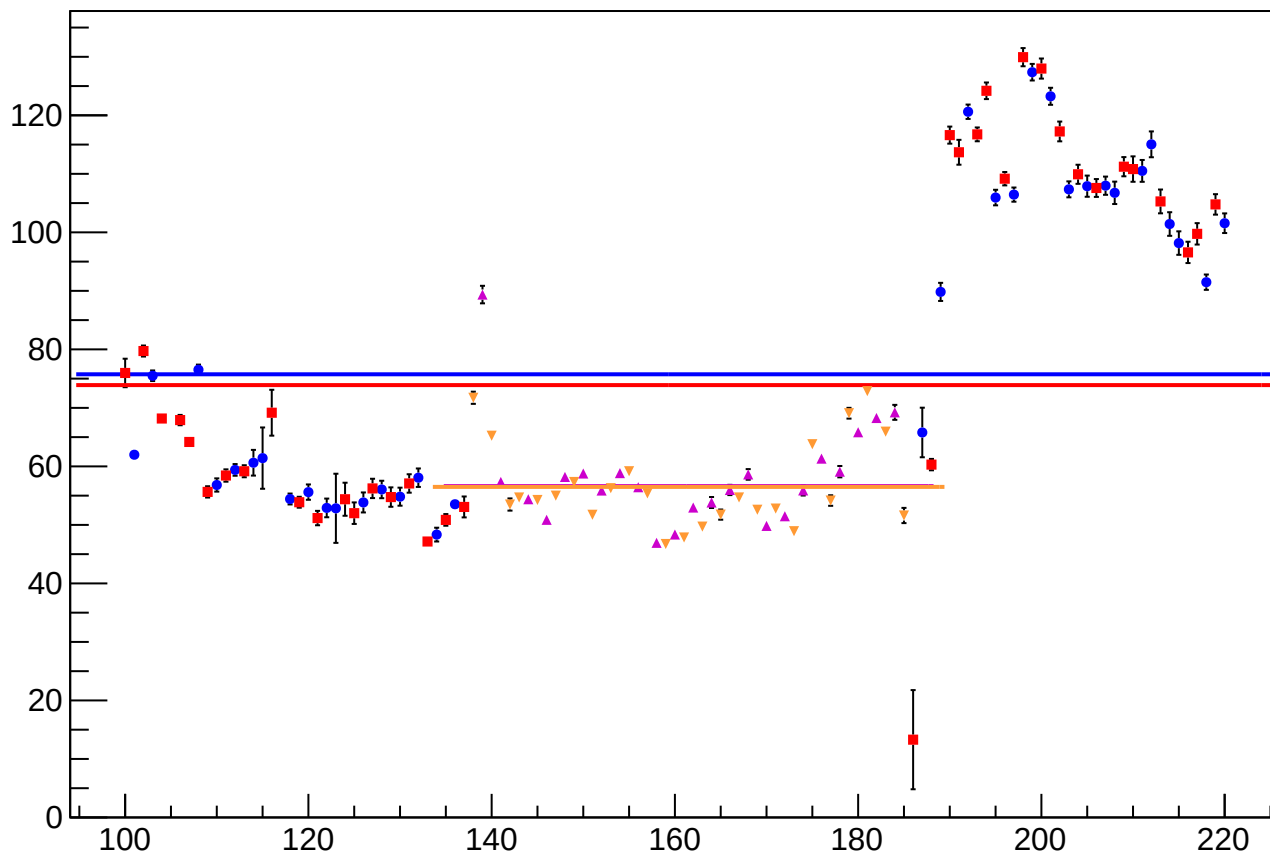
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -7.395 ± 0.162 χ^2/NDF : 4834.6/41

All: -7.127 ± 0.114 χ^2/NDF : 9580.4/82

- sign -6.858 ± 0.161 χ^2/NDF : 4740.2/40

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 75.741+/-0.217 χ^2/NDF : 12070.1/33

Left Out: 56.496+/-0.159 χ^2/NDF : 1968.0/24

Right Out: 73.893+/-0.206 χ^2/NDF : 15347.5/36

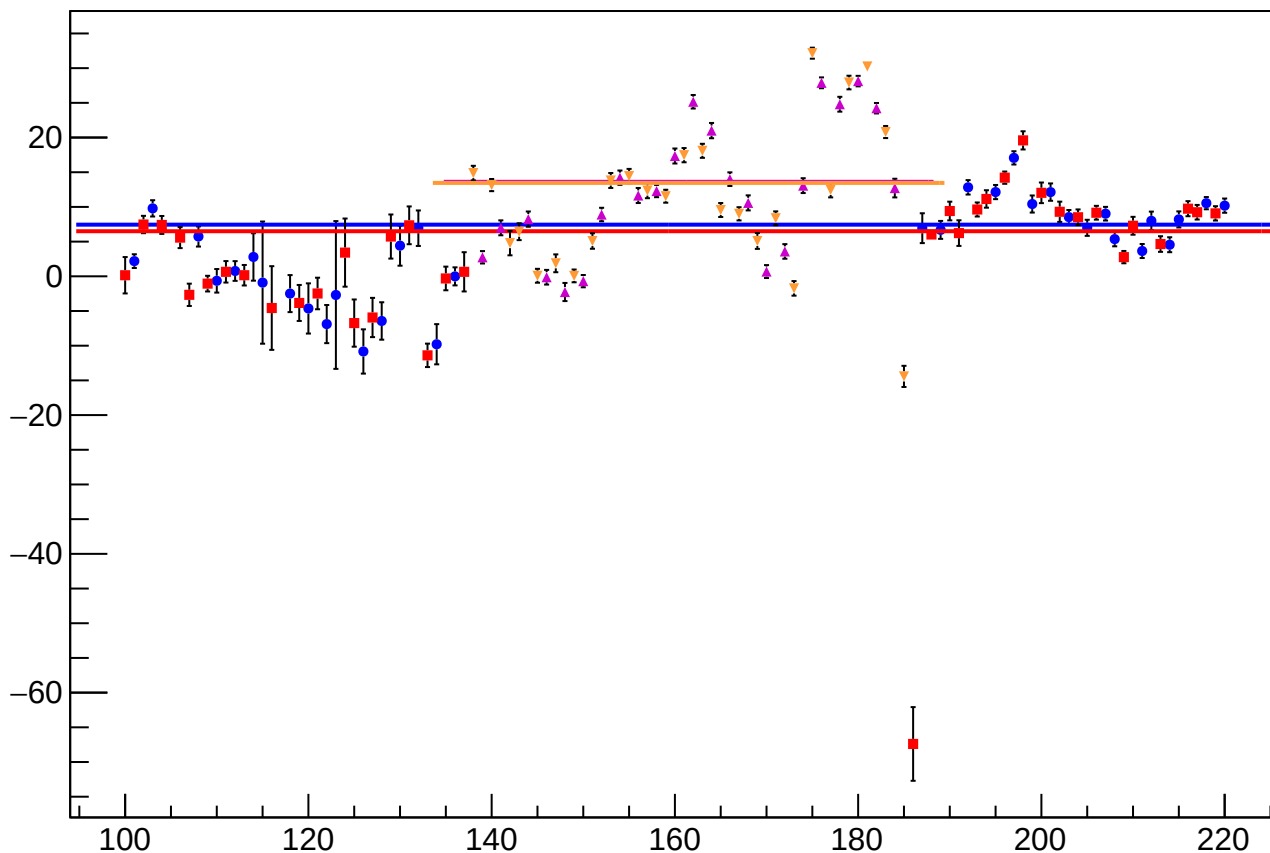
Left In: 56.635+/-0.165 χ^2/NDF : 1607.9/22

+ sign 63.210+/-0.128 χ^2/NDF : 19157.4/58

All: 63.307+/-0.091 χ^2/NDF : 40398.1/118

- sign 63.404+/-0.129 χ^2/NDF : 21239.6/59

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.444 ± 0.230 χ^2/NDF : 481.6/33

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.498 ± 0.215 χ^2/NDF : 788.7/36

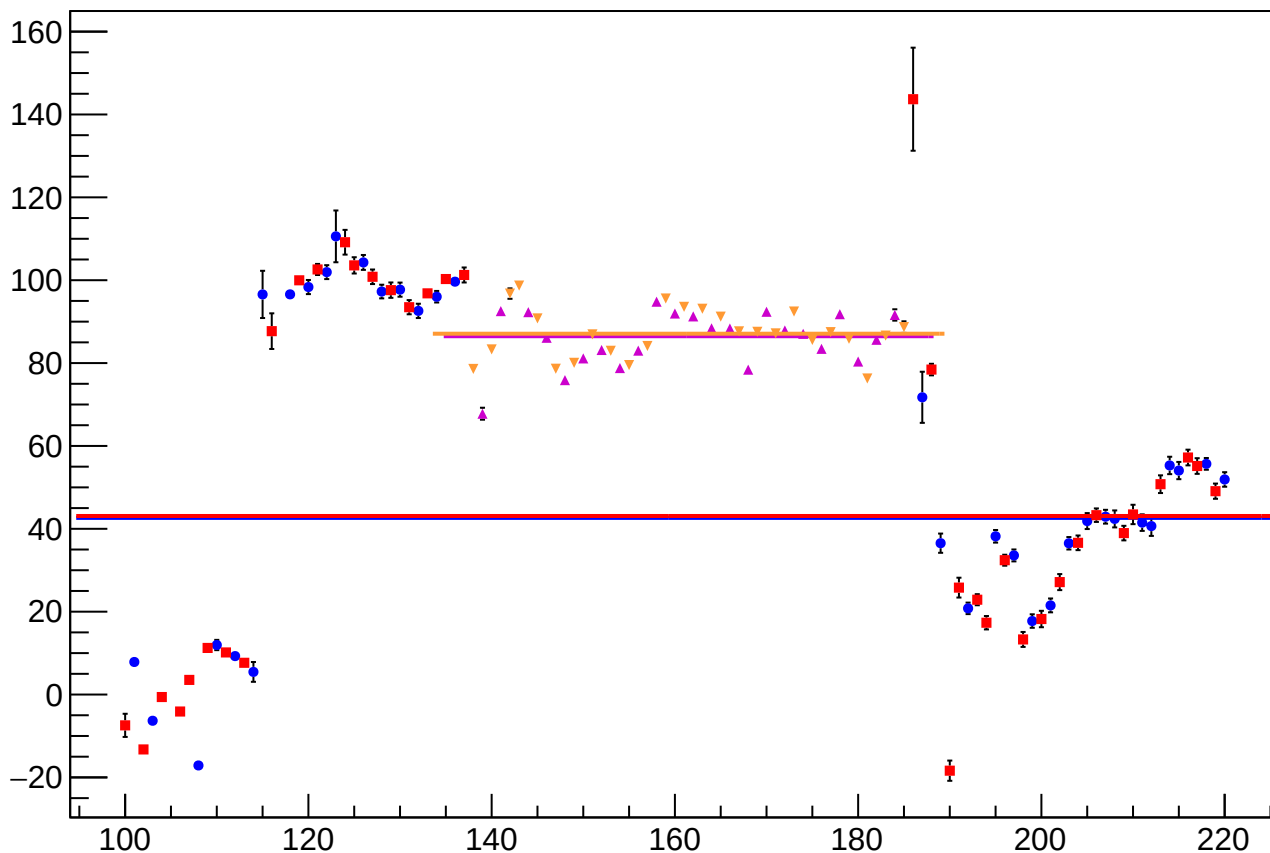
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 10.852 ± 0.152 χ^2/NDF : 3604.8/58

All: 10.536 ± 0.106 χ^2/NDF : 7294.0/118

- sign 10.235 ± 0.148 χ^2/NDF : 3680.8/59

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 42.638 $\pm$ 0.249 χ^2 /NDF: 25665.4/33

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 43.095 $\pm$ 0.240 χ^2 /NDF: 30888.0/36

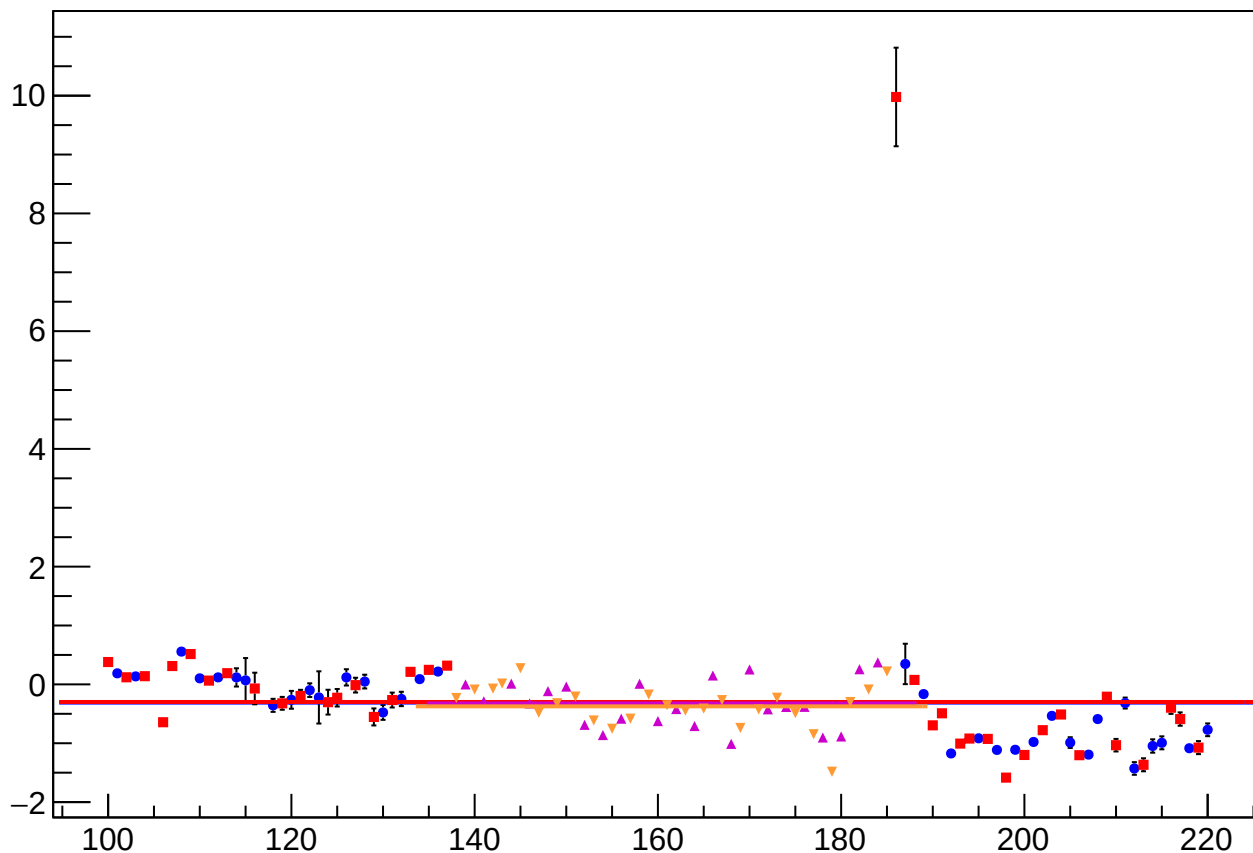
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 71.922 $\pm$ 0.145 χ^2 /NDF: 47769.4/58

All: 71.134 $\pm$ 0.103 χ^2 /NDF: 100275.6/118

- sign 70.335 $\pm$ 0.146 χ^2 /NDF: 52446.9/59

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.309 ± 0.010 χ^2/NDF : 3514.6/33

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.299 ± 0.010 χ^2/NDF : 3761.0/36

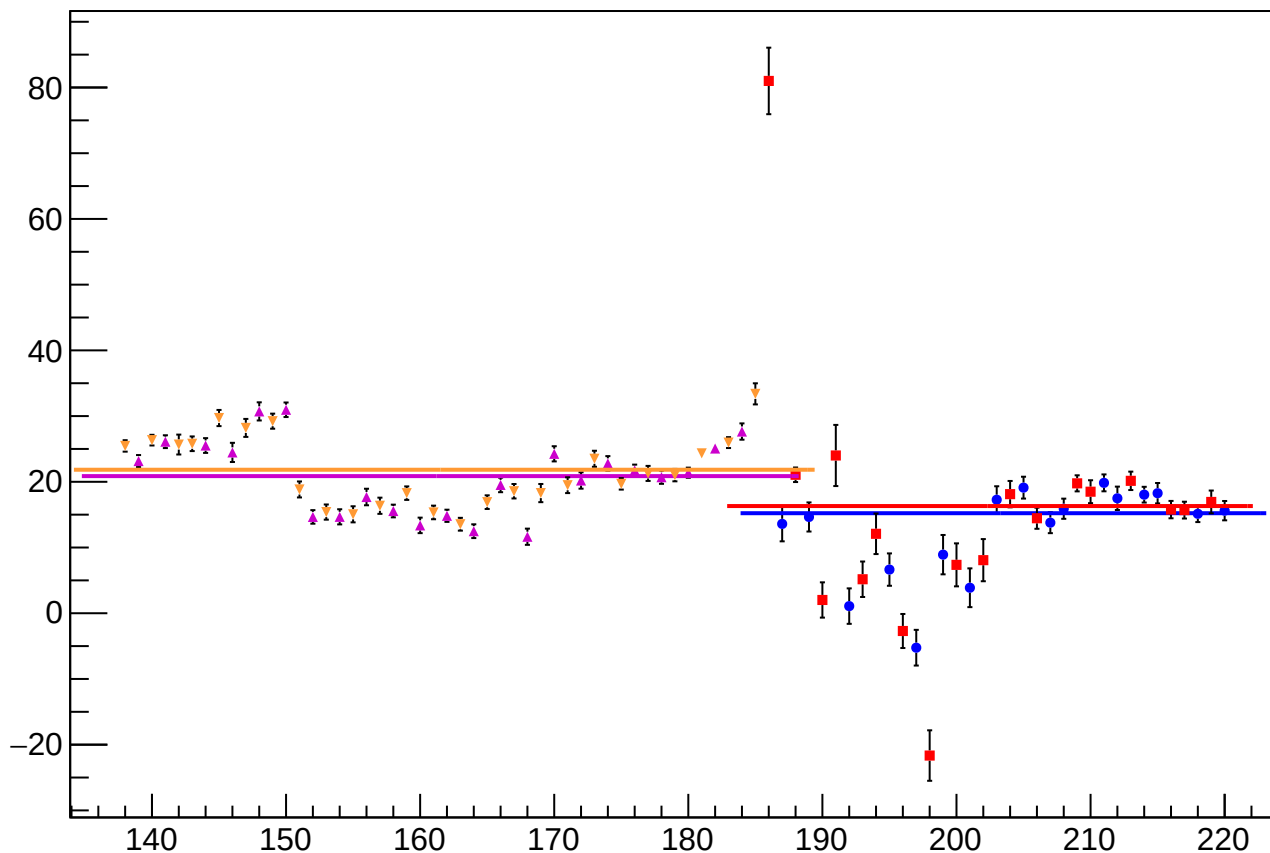
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.349 ± 0.006 χ^2/NDF : 5206.6/58

All: -0.332 ± 0.005 χ^2/NDF : 11270.7/118

- sign -0.314 ± 0.006 χ^2/NDF : 6049.3/59

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 15.221 $\pm$ 0.424 χ^2 /NDF: 147.5/16

Left Out: 21.836 $\pm$ 0.210 χ^2 /NDF: 524.3/24

Right Out: 16.310 $\pm$ 0.432 χ^2 /NDF: 417.2/17

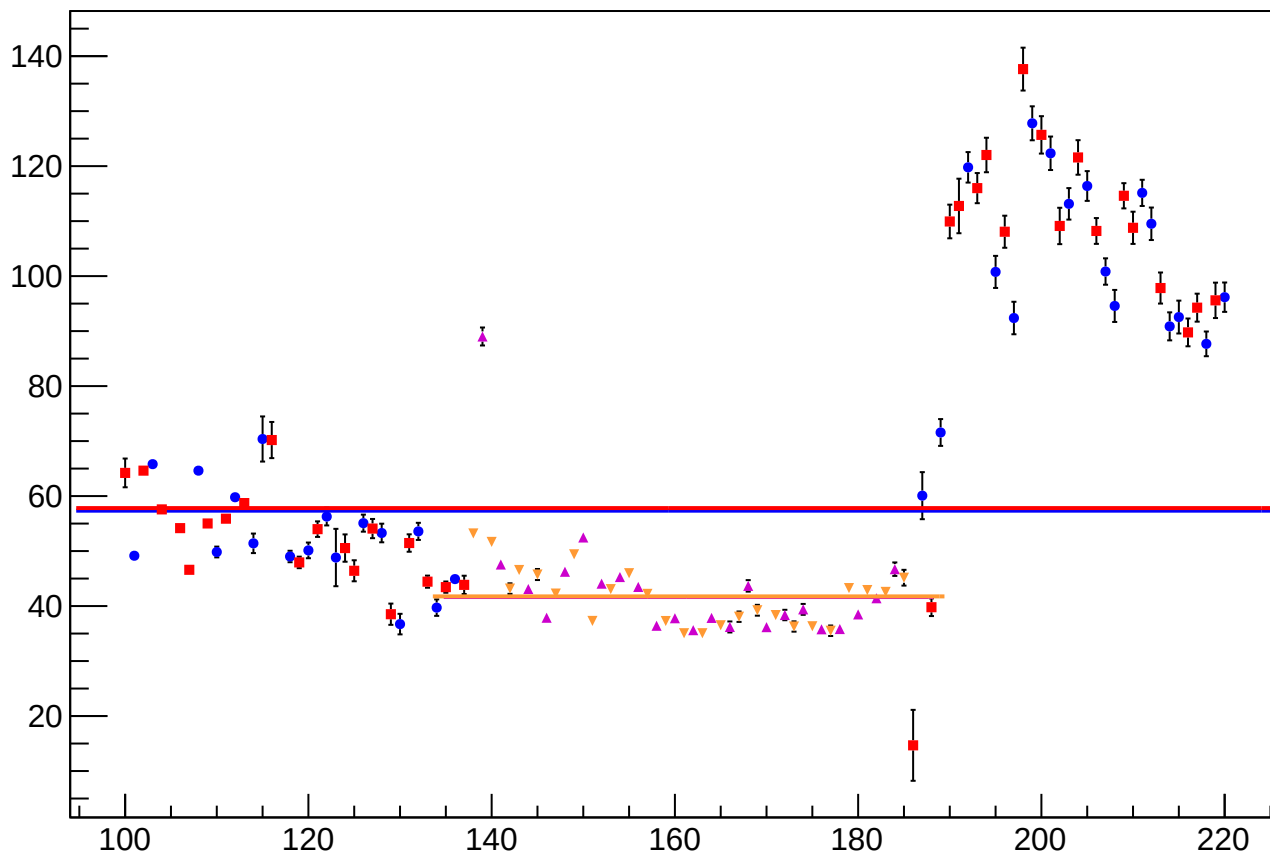
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 20.537 $\pm$ 0.188 χ^2 /NDF: 867.1/41

All: 20.253 $\pm$ 0.135 χ^2 /NDF: 1954.7/82

- sign 19.951 $\pm$ 0.194 χ^2 /NDF: 1082.9/40

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 57.347 $\pm$ 0.201 χ^2 /NDF: 6457.8/33

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF:1015.7/24

Right Out: 57.814 $\pm$ 0.215 χ^2 /NDF: 6571.8/36

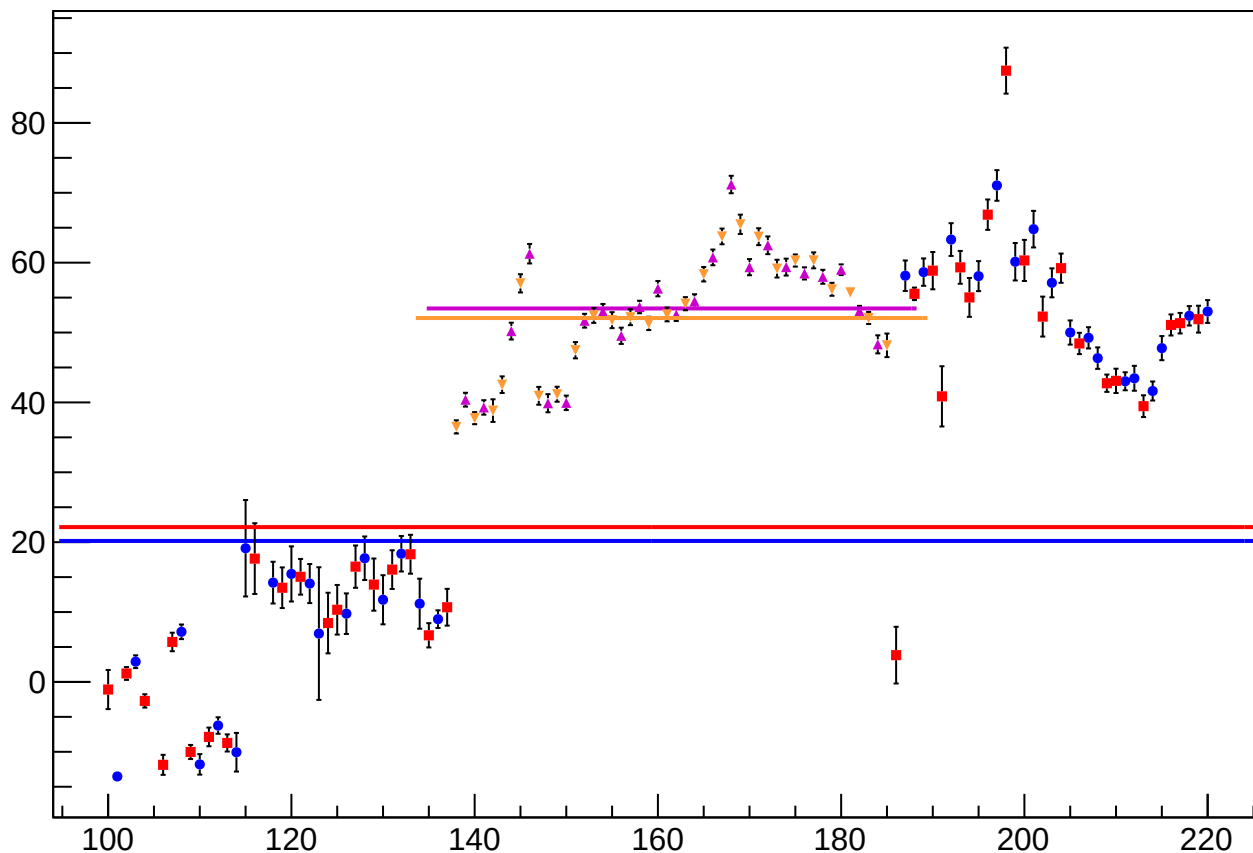
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 48.041 $\pm$ 0.128 χ^2 /NDF: 11056.3/58

All: 48.044 $\pm$ 0.093 χ^2 /NDF: 22668.5/118

- sign 48.047 $\pm$ 0.135 χ^2 /NDF: 11612.2/59

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 20.175 $\pm$ 0.277 χ^2 /NDF: 10256.1/33

Left Out: 52.076 $\pm$ 0.210 χ^2 /NDF:1450.9/24

Right Out: 22.156 $\pm$ 0.282 χ^2 /NDF: 9565.4/36

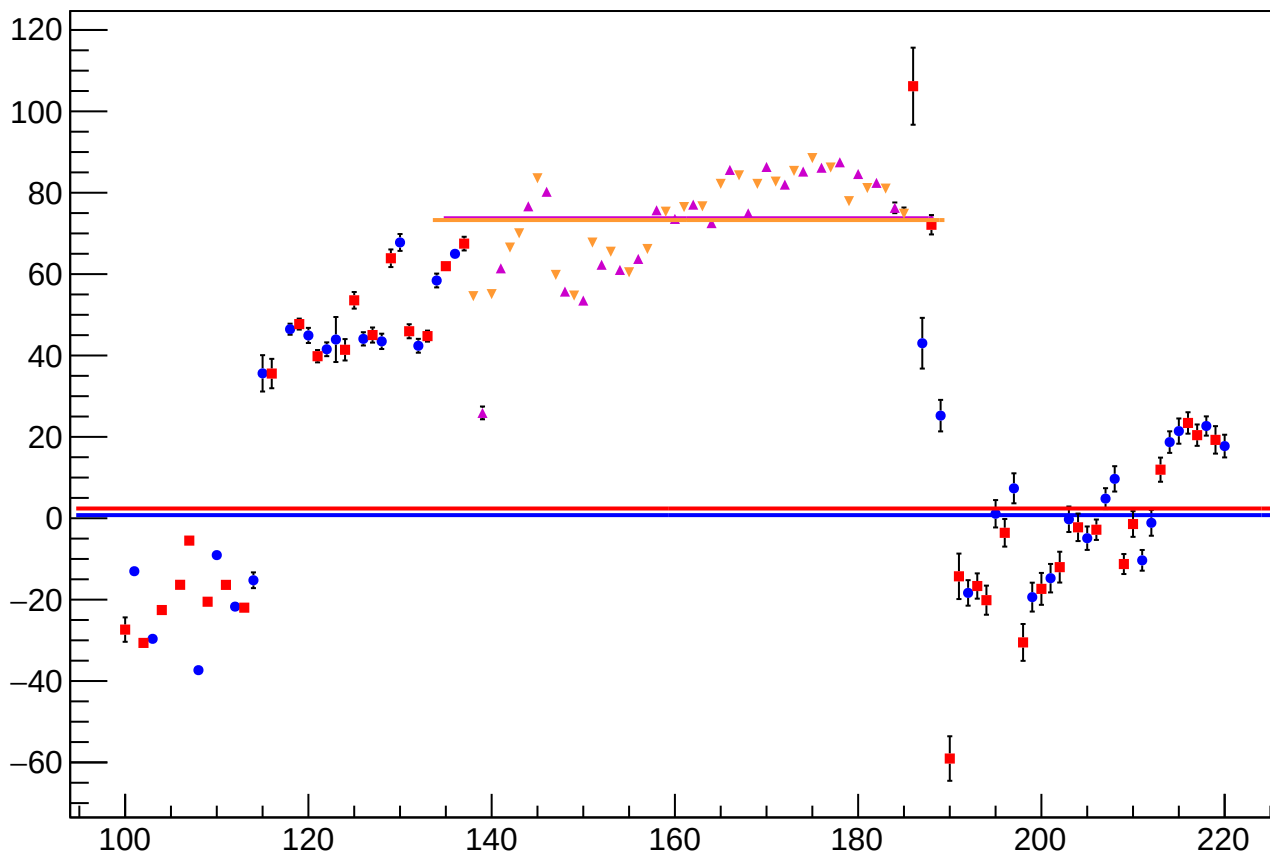
Left In: 53.447 $\pm$ 0.215 χ^2 /NDF:1169.0/22

+ sign 40.457 $\pm$ 0.167 χ^2 /NDF: 20111.9/58

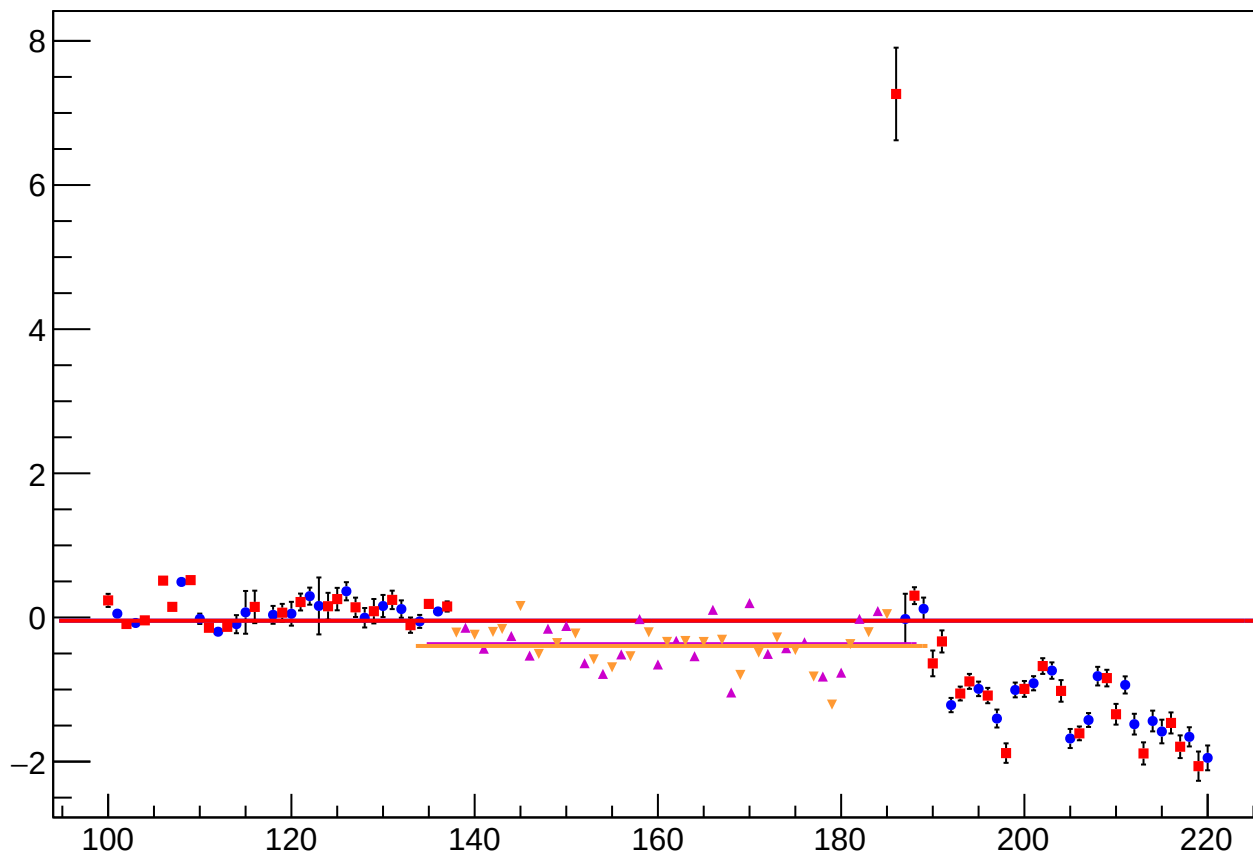
All: 41.161 $\pm$ 0.120 χ^2 /NDF: 38676.4/118

- sign 41.896 $\pm$ 0.171 χ^2 /NDF: 18528.4/59

reg_asym_sam6_diff_bpm4eY_slope vs Slug



reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.045 ± 0.010 χ^2/NDF : 2132.1/33

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: -0.046 ± 0.010 χ^2/NDF : 2149.4/36

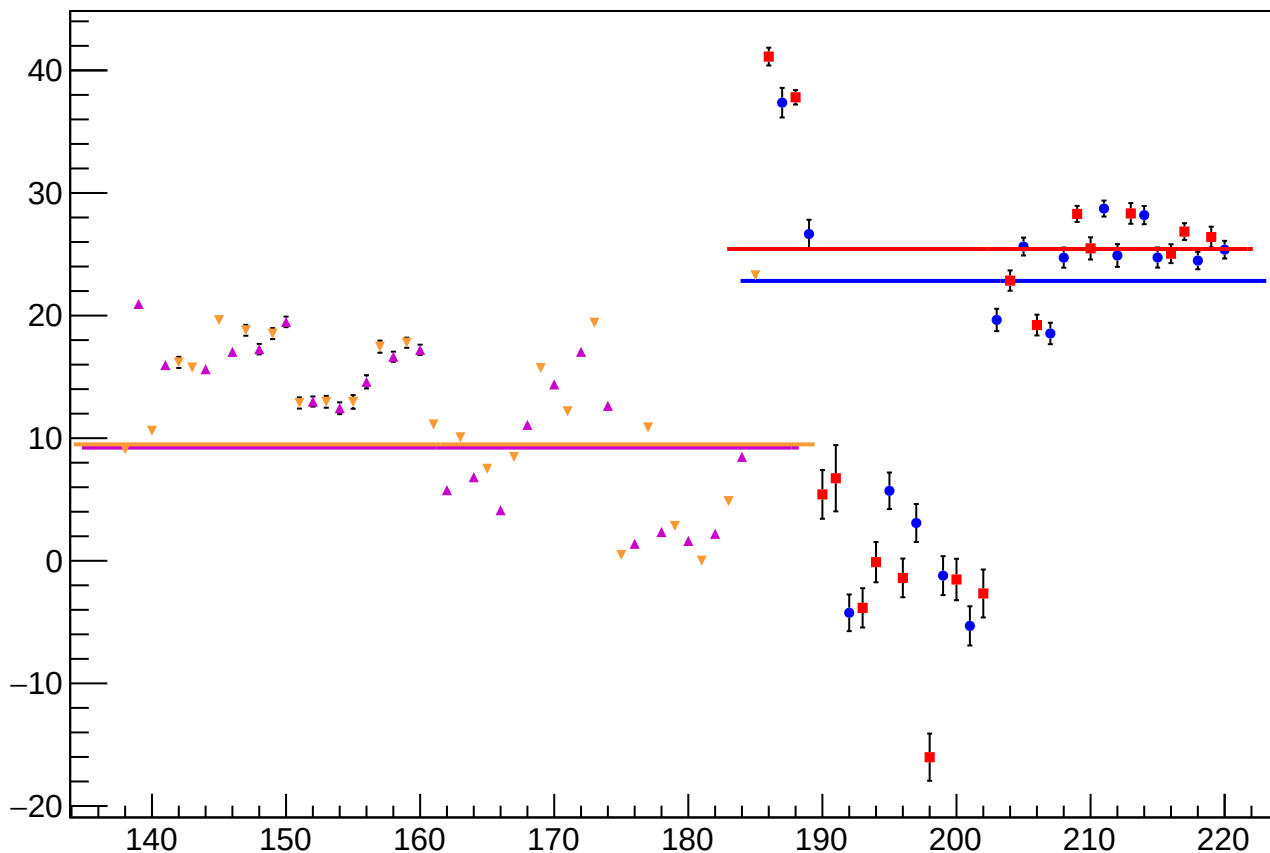
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.254 ± 0.007 χ^2/NDF : 3764.1/58

All: -0.245 ± 0.005 χ^2/NDF : 7808.5/118

- sign -0.236 ± 0.007 χ^2/NDF : 4040.9/59

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 22.827 ± 0.223 $\chi^2/\text{NDF}: 1535.0/16$

Left Out: 9.495 ± 0.061 $\chi^2/\text{NDF}: 12609.1/24$

Right Out: 25.432 ± 0.222 $\chi^2/\text{NDF}: 2944.3/17$

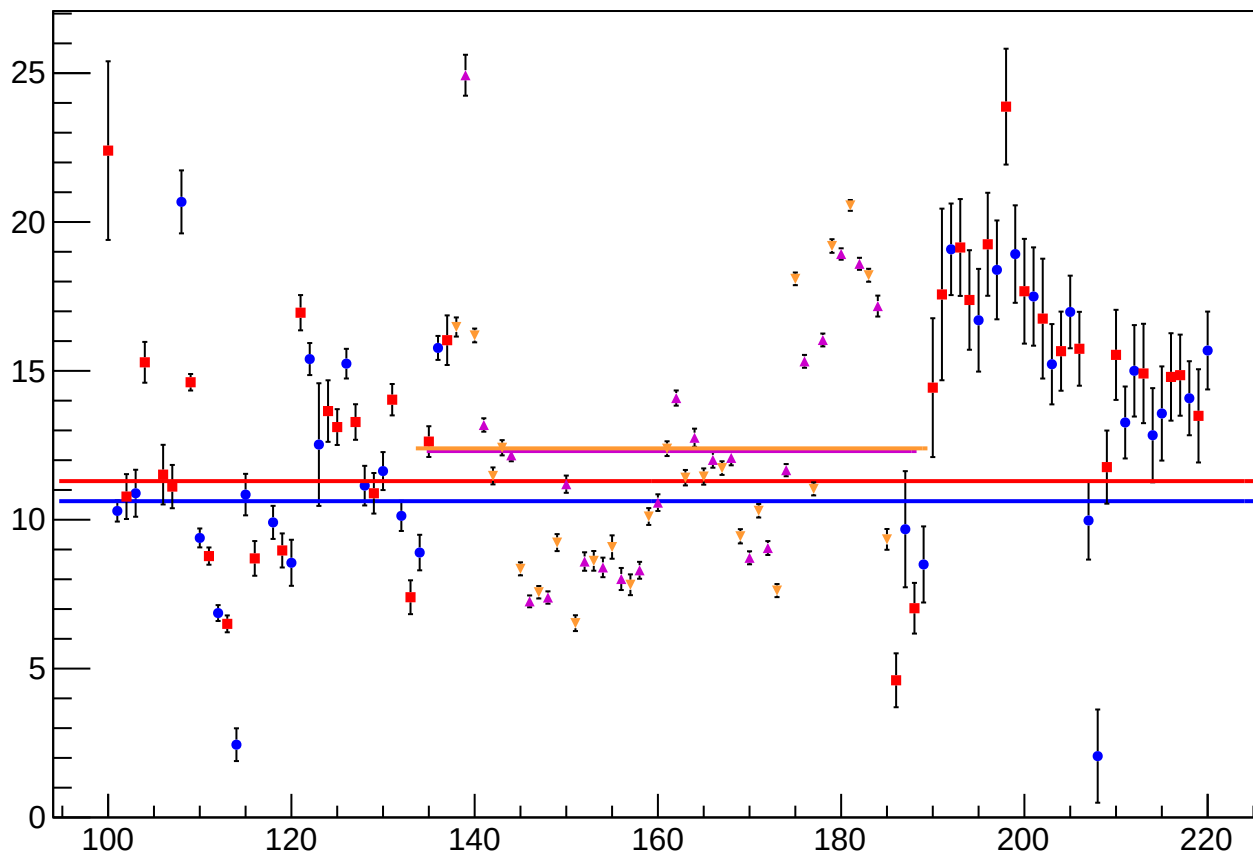
Left In: 9.231 ± 0.063 $\chi^2/\text{NDF}: 10736.2/22$

+ sign 10.432 ± 0.059 $\chi^2/\text{NDF}: 17475.1/41$

All: 10.434 ± 0.042 $\chi^2/\text{NDF}: 36066.7/82$

- sign 10.435 ± 0.061 $\chi^2/\text{NDF}: 18591.6/40$

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.624 ± 0.113 χ^2/NDF : 1096.6/33

Left Out: 12.397 ± 0.050 χ^2/NDF : 7542.8/24

Right Out: 11.297 ± 0.110 χ^2/NDF : 1076.8/36

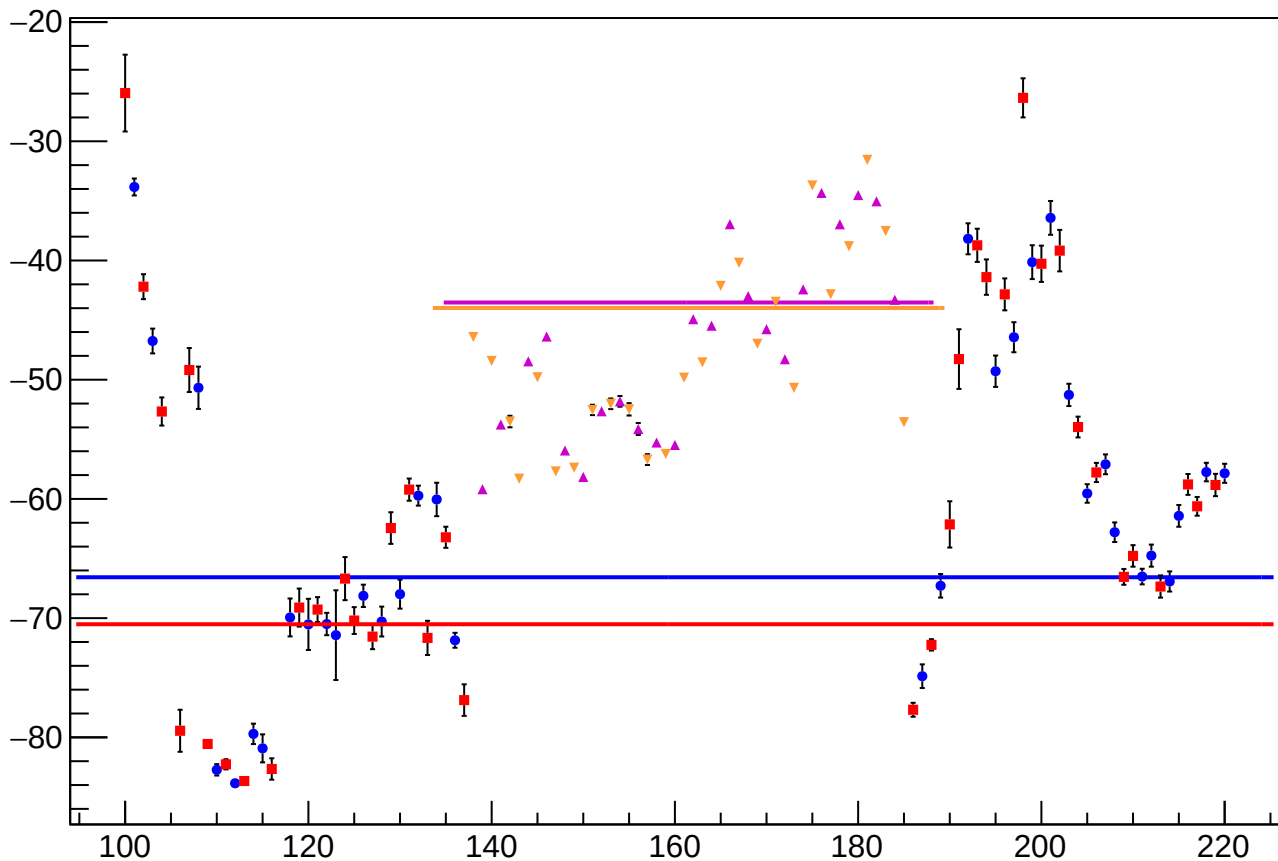
Left In: 12.307 ± 0.051 χ^2/NDF : 5601.8/22

+ sign 12.111 ± 0.046 χ^2/NDF : 8845.0/58

All: 12.119 ± 0.032 χ^2/NDF : 15592.8/118

- sign 12.127 ± 0.046 χ^2/NDF : 6747.8/59

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -66.570 ± 0.149 $\chi^2/\text{NDF}: 8924.5/33$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -70.513 ± 0.138 $\chi^2/\text{NDF}: 8618.7/36$

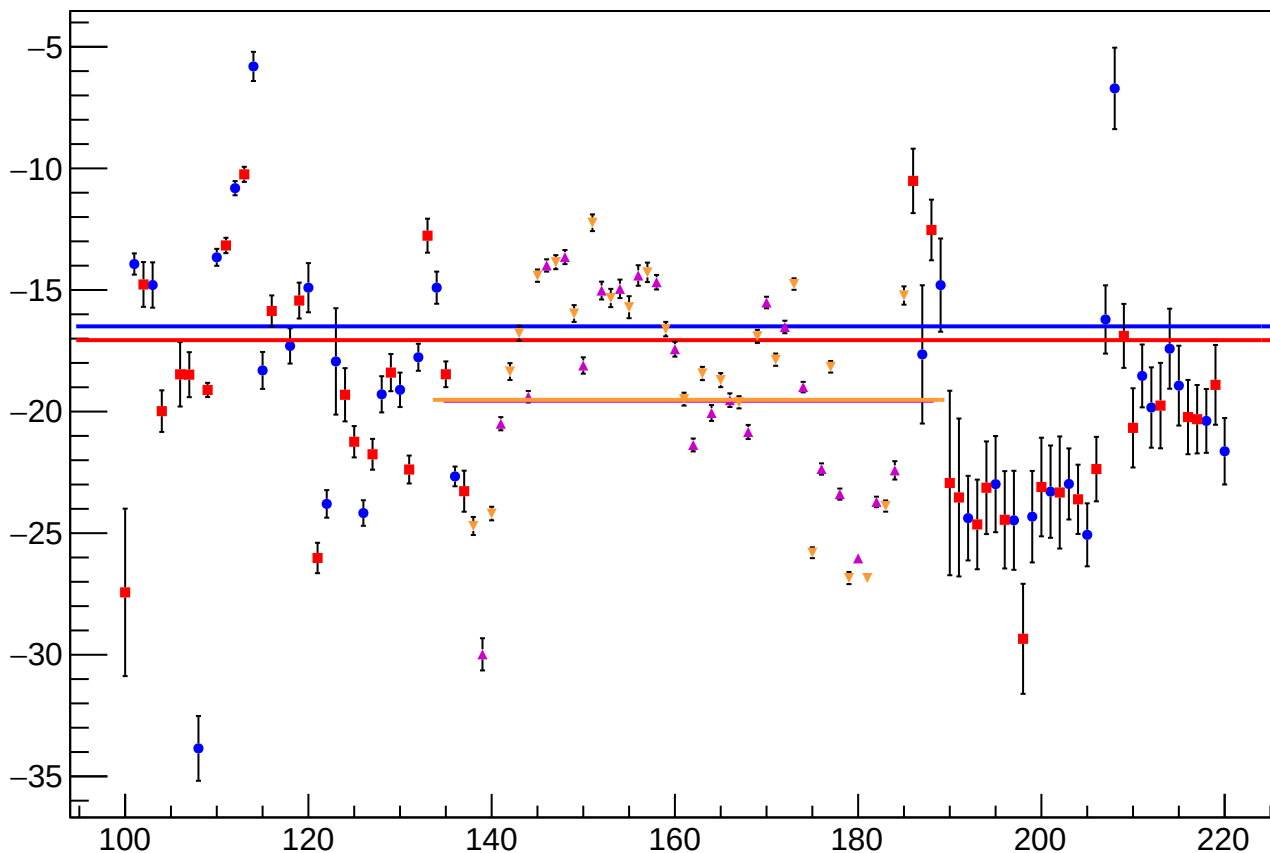
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -47.324 ± 0.057 $\chi^2/\text{NDF}: 46343.2/58$

All: -47.766 ± 0.041 $\chi^2/\text{NDF}: 101919.1/118$

- sign -48.213 ± 0.058 $\chi^2/\text{NDF}: 55455.8/59$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.496 ± 0.126 χ^2/NDF : 1837.5/33

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -17.063 ± 0.122 χ^2/NDF : 1401.8/36

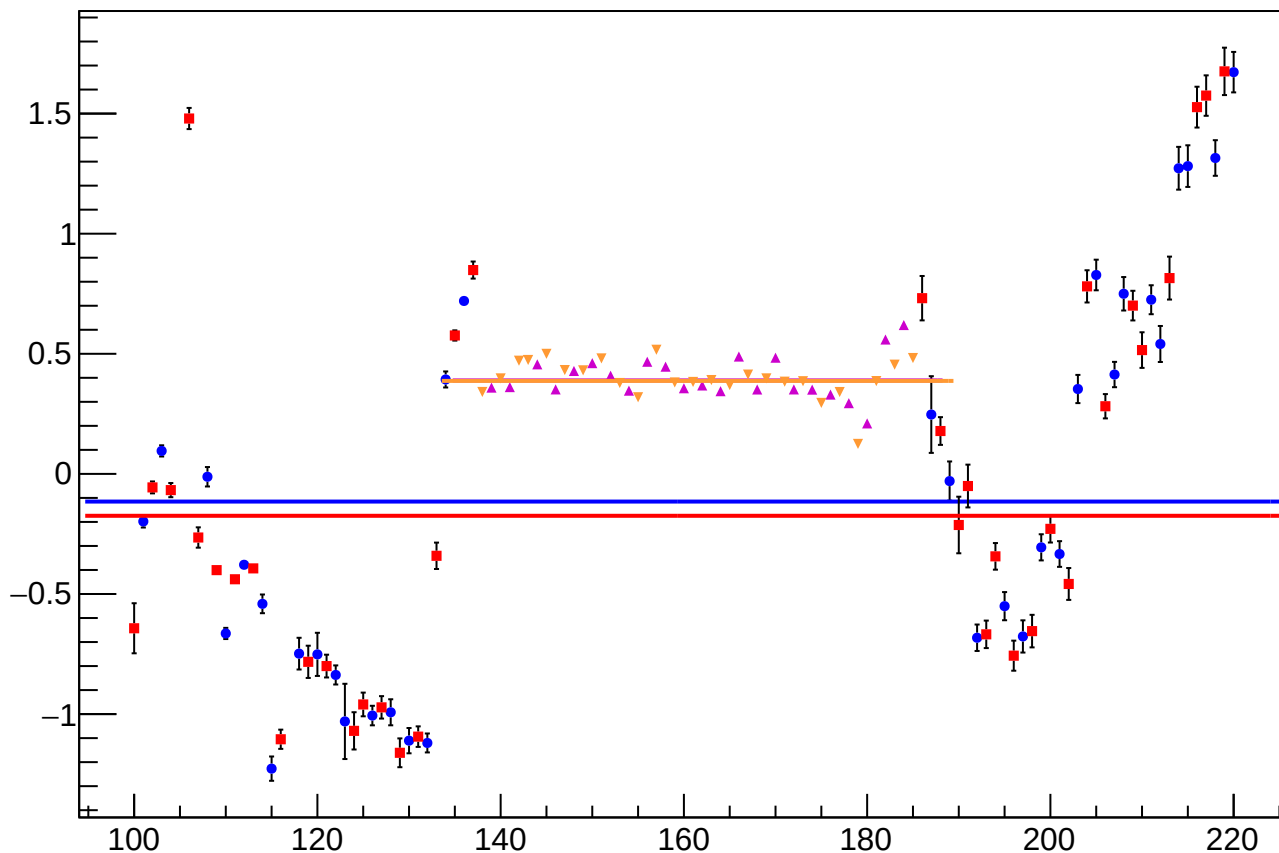
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.021 ± 0.051 χ^2/NDF : 8838.0/58

All: -19.062 ± 0.036 χ^2/NDF : 14893.9/118

- sign -19.104 ± 0.052 χ^2/NDF : 6054.6/59

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.115 ± 0.007 χ^2/NDF : 8829.1/33

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.174 ± 0.007 χ^2/NDF : 8508.0/36

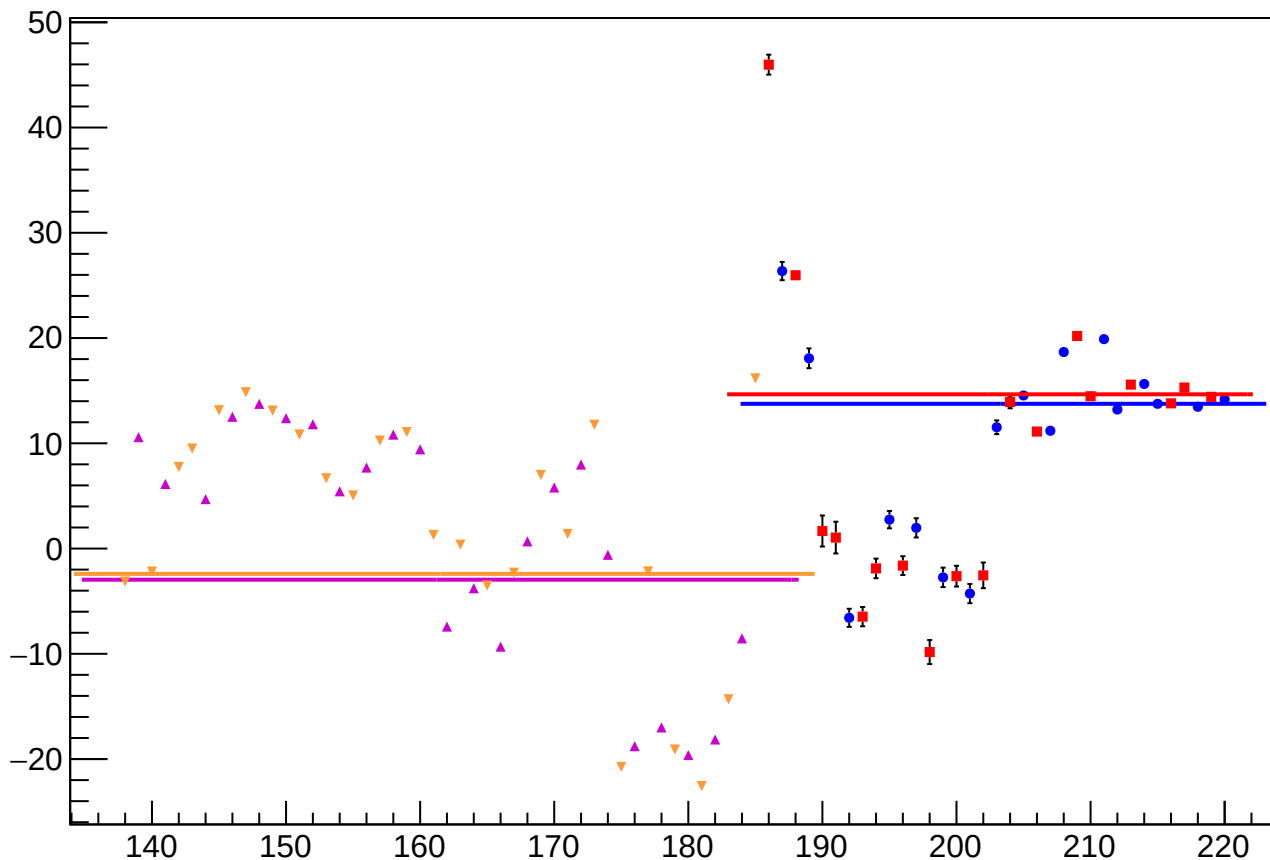
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.325 ± 0.002 χ^2/NDF : 14553.7/58

All: 0.319 ± 0.002 χ^2/NDF : 30690.2/118

- sign 0.312 ± 0.002 χ^2/NDF : 16120.4/59

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 13.752+/-0.119 χ^2/NDF : 2376.5/16

Left Out: -2.407+/-0.053 χ^2/NDF : 56368.5/24

Right Out: 14.653+/-0.125 χ^2/NDF : 4440.2/17

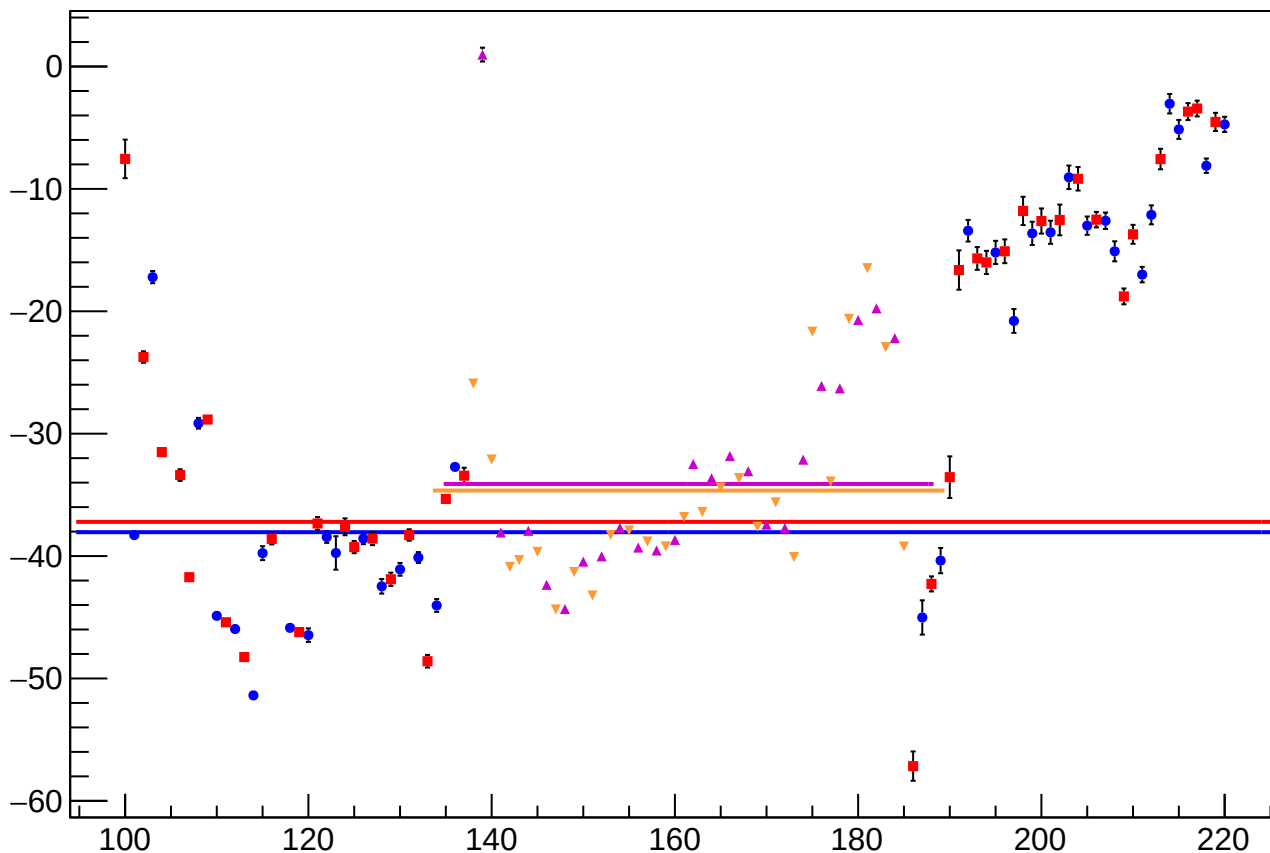
Left In: -2.959+/-0.055 χ^2/NDF : 45922.6/22

+ sign 0.237+/-0.048 χ^2/NDF : 74083.3/41

All: 0.061+/-0.035 χ^2/NDF : 141038.5/82

- sign -0.129+/-0.050 χ^2/NDF : 66927.6/40

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -38.049 ± 0.073 χ^2/NDF : 27991.8/33

Left Out: -34.646 ± 0.042 χ^2/NDF : 34674.7/24

Right Out: -37.205 ± 0.068 χ^2/NDF : 28724.1/36

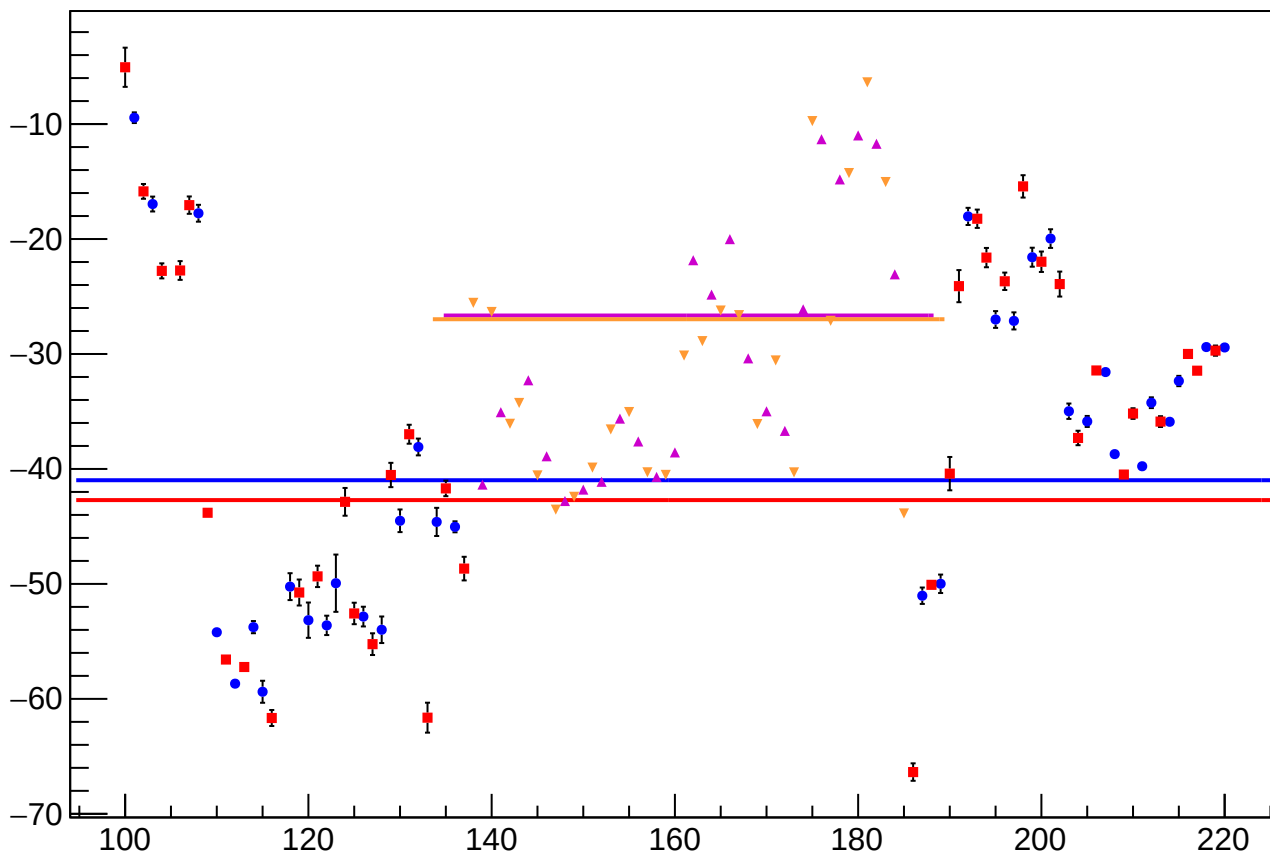
Left In: -34.108 ± 0.044 χ^2/NDF : 29052.8/22

+ sign -35.494 ± 0.036 χ^2/NDF : 64320.5/58

All: -35.259 ± 0.026 χ^2/NDF : 123634.5/118

- sign -35.013 ± 0.037 χ^2/NDF : 59227.7/59

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -40.981 ± 0.087 $\chi^2/\text{NDF}: 25082.7/33$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -42.709 ± 0.082 $\chi^2/\text{NDF}: 23754.8/36$

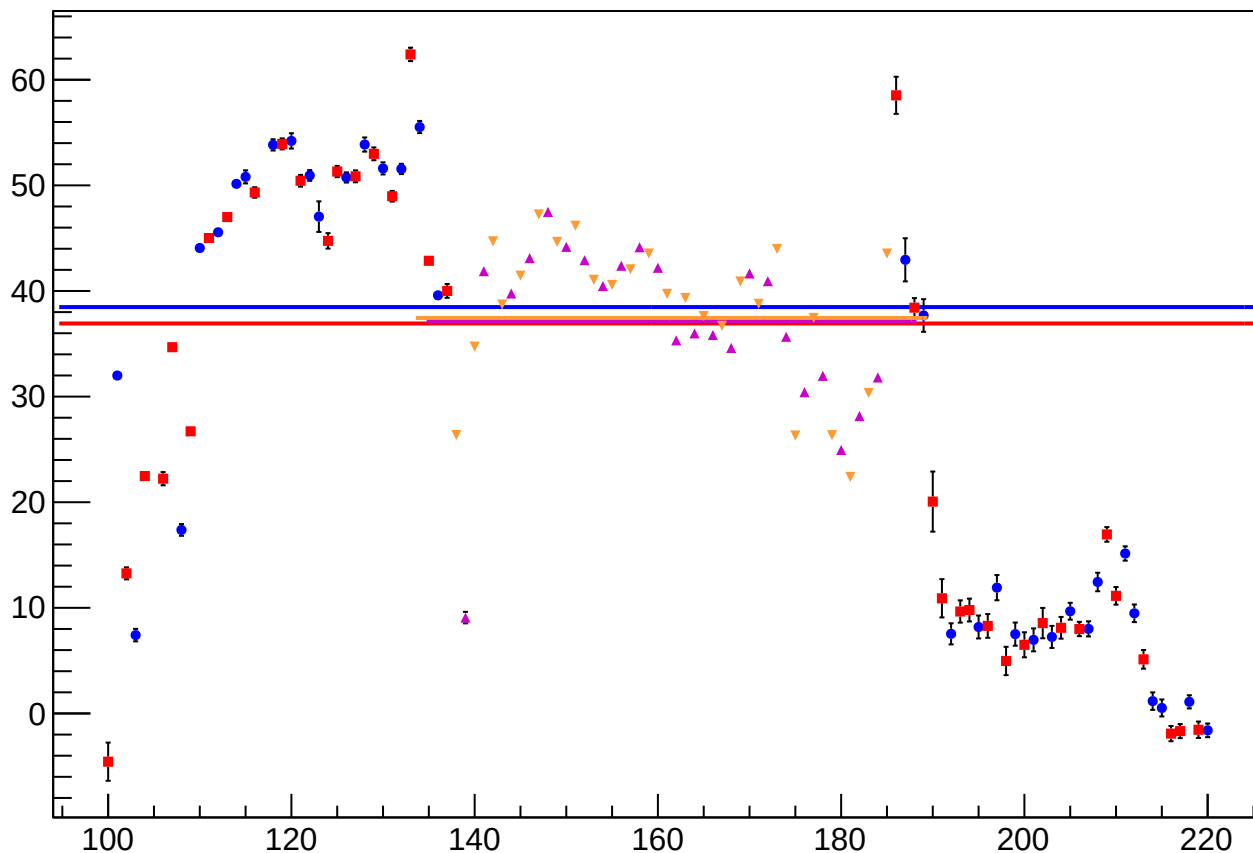
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.778 ± 0.045 $\chi^2/\text{NDF}: 93252.3/58$

All: -31.215 ± 0.032 $\chi^2/\text{NDF}: 185907.6/118$

- sign -31.655 ± 0.046 $\chi^2/\text{NDF}: 92469.2/59$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 38.477 ± 0.081 $\chi^2/\text{NDF}: 37038.9/33$

Left Out: 37.447 ± 0.047 $\chi^2/\text{NDF}: 21570.6/24$

Right Out: 36.924 ± 0.076 $\chi^2/\text{NDF}: 37934.6/36$

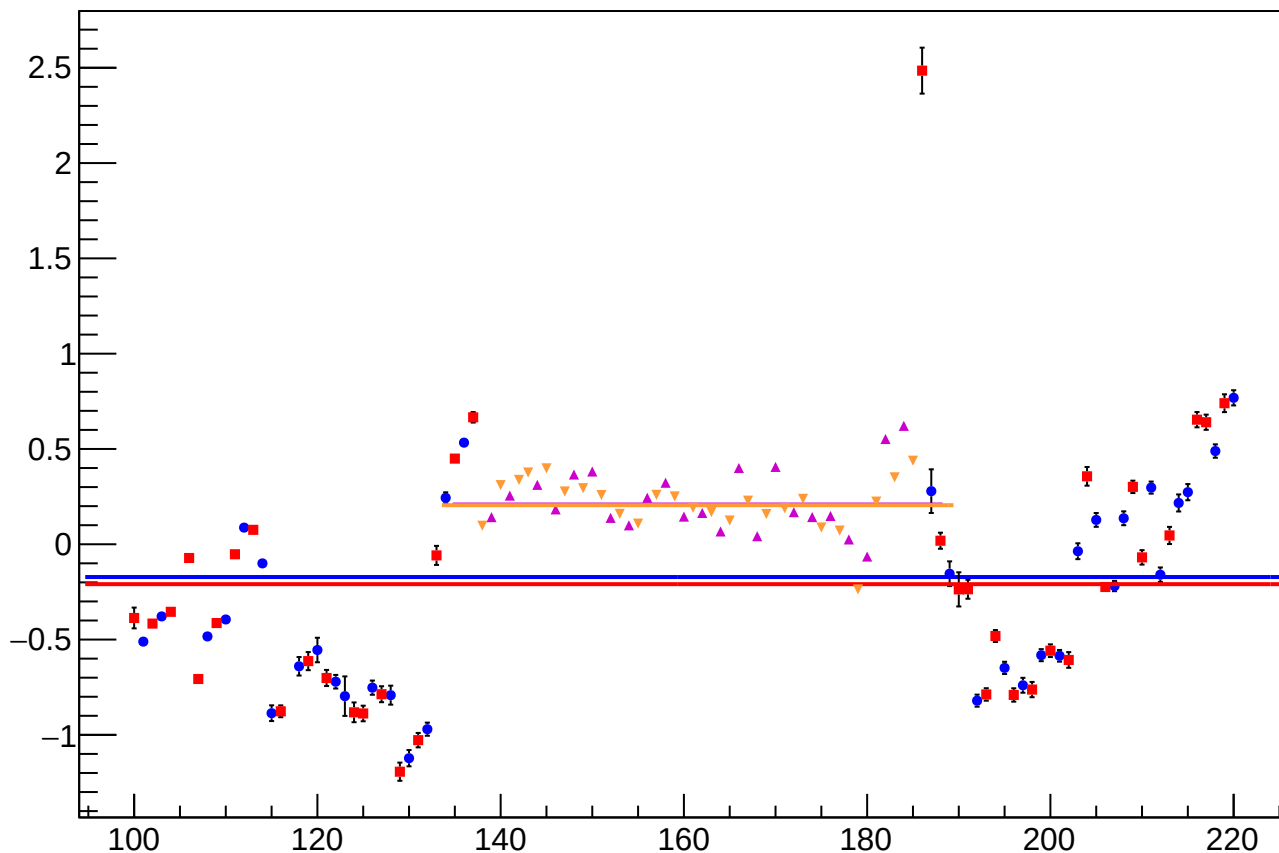
Left In: 37.169 ± 0.049 $\chi^2/\text{NDF}: 17236.9/22$

+ sign 37.710 ± 0.041 $\chi^2/\text{NDF}: 58731.3/58$

All: 37.407 ± 0.029 $\chi^2/\text{NDF}: 114022.5/118$

- sign 37.096 ± 0.041 $\chi^2/\text{NDF}: 55178.9/59$

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.172 ± 0.004 $\chi^2/\text{NDF}: 10040.6/33$

Left Out: 0.205 ± 0.002 $\chi^2/\text{NDF}: 3826.2/24$

Right Out: -0.209 ± 0.004 $\chi^2/\text{NDF}: 10760.3/36$

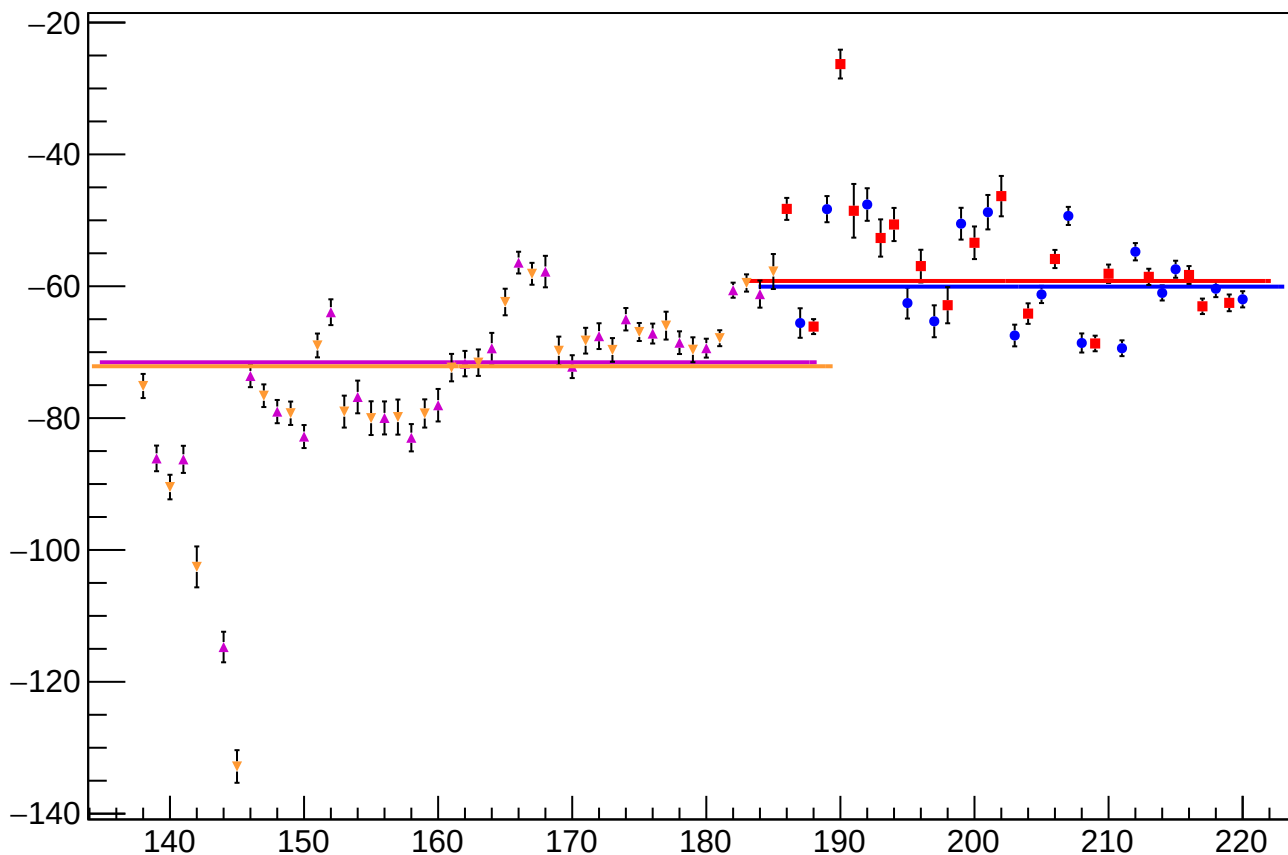
Left In: 0.208 ± 0.002 $\chi^2/\text{NDF}: 5094.6/22$

+ sign 0.127 ± 0.002 $\chi^2/\text{NDF}: 20090.1/58$

All: 0.116 ± 0.001 $\chi^2/\text{NDF}: 44632.2/118$

- sign 0.104 ± 0.002 $\chi^2/\text{NDF}: 24474.2/59$

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -60.059 ± 0.373 χ^2/NDF : 308.3/16

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -59.198 ± 0.378 χ^2/NDF : 455.5/17

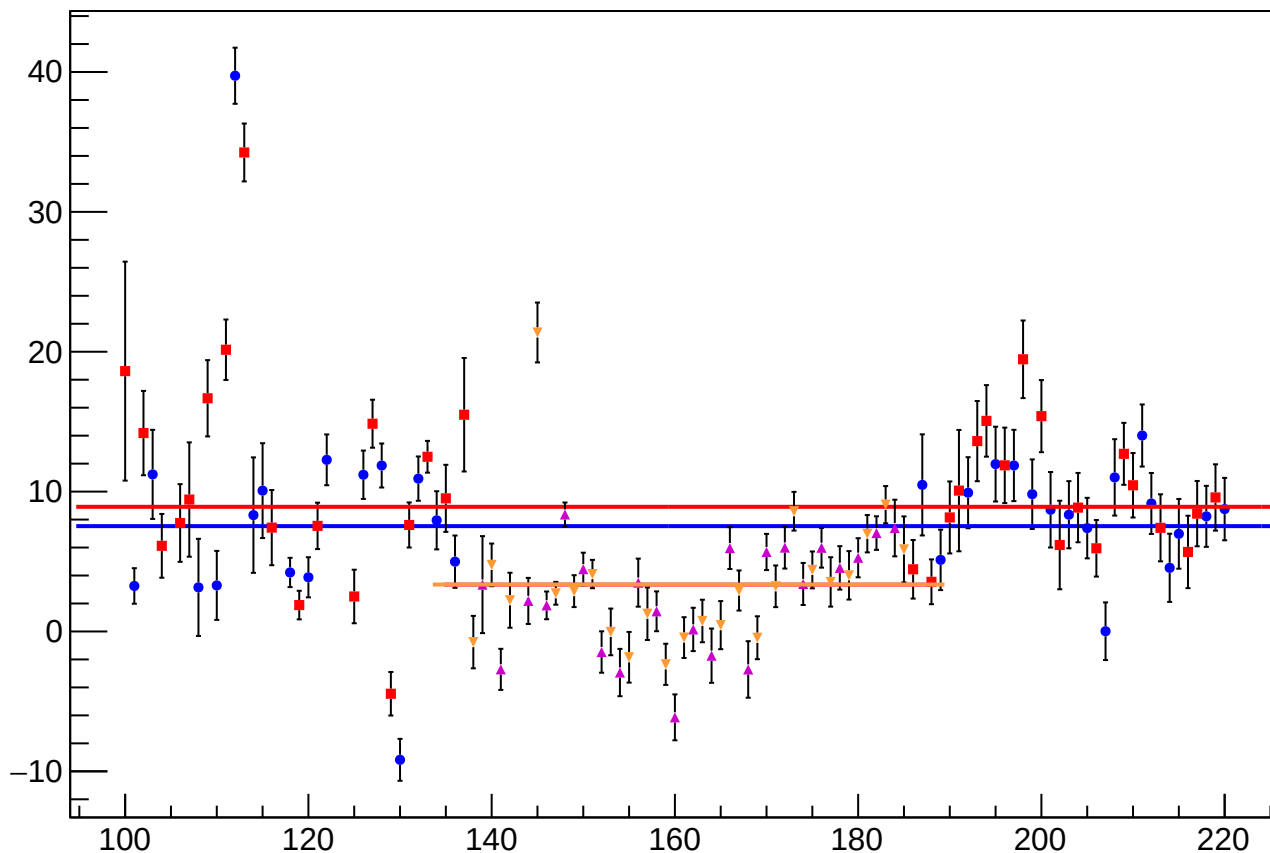
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -65.947 ± 0.267 χ^2/NDF : 1939.8/40

All: -65.631 ± 0.190 χ^2/NDF : 3776.4/81

- sign -65.312 ± 0.269 χ^2/NDF : 1833.8/40

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.531 ± 0.351 χ^2/NDF : 476.9/32

Left Out: 3.357 ± 0.295 χ^2/NDF : 167.7/23

Right Out: 8.913 ± 0.352 χ^2/NDF : 404.4/35

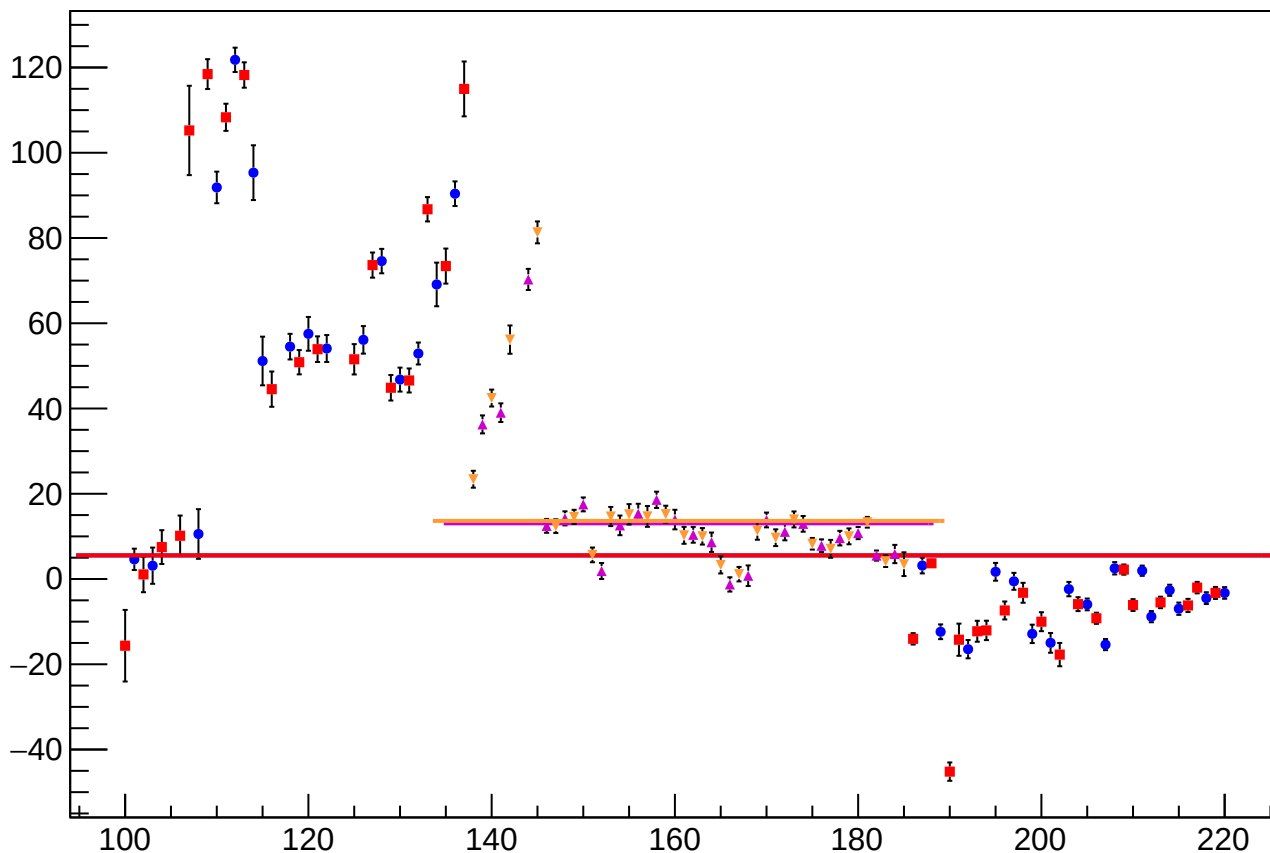
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 5.082 ± 0.226 χ^2/NDF : 727.5/56

All: 5.376 ± 0.160 χ^2/NDF : 1444.2/115

- sign 5.673 ± 0.228 χ^2/NDF : 713.3/58

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 5.530 ± 0.343 χ^2/NDF : 6597.7/32

Left Out: 13.632 ± 0.382 χ^2/NDF : 1300.0/23

Right Out: 5.546 ± 0.338 χ^2/NDF : 8205.2/35

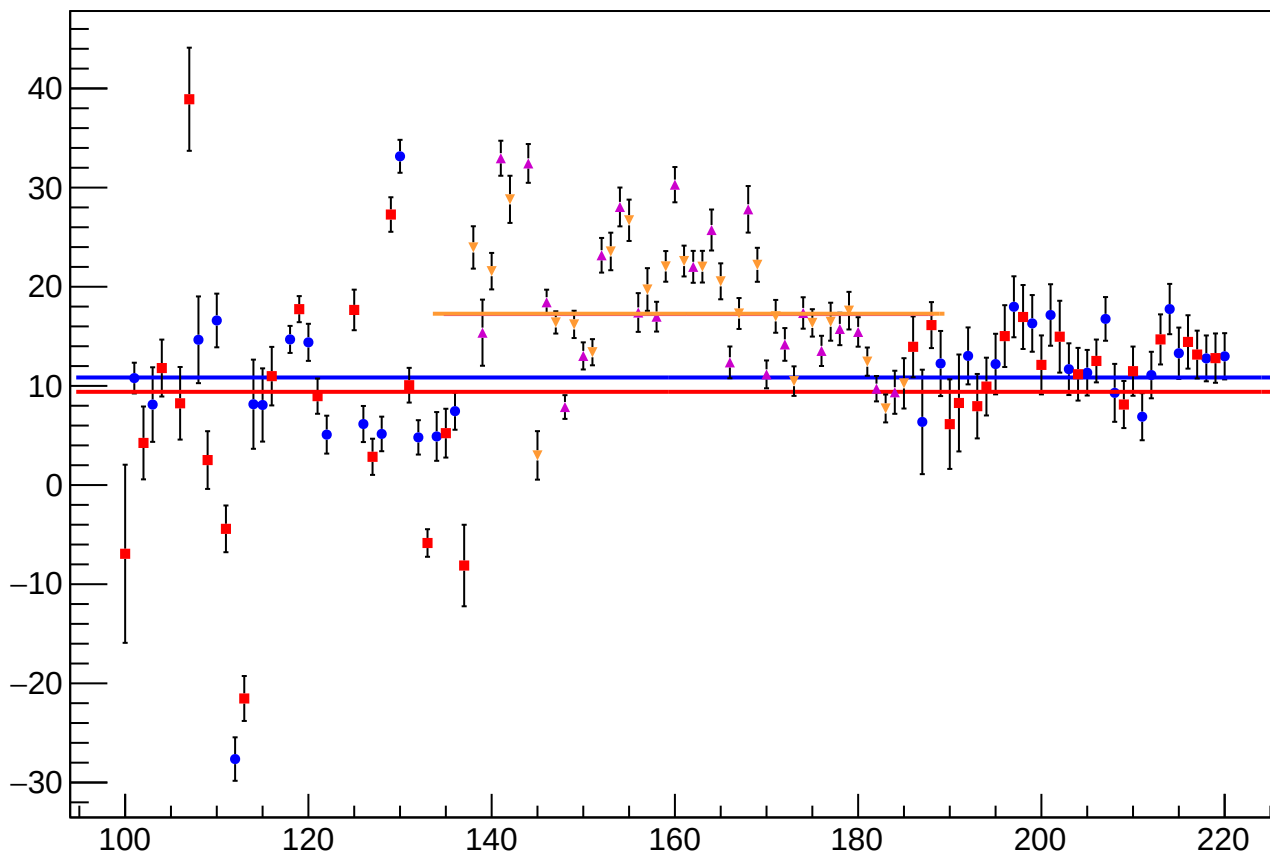
Left In: 13.058 ± 0.380 χ^2/NDF : 1024.7/22

+ sign 9.149 ± 0.255 χ^2/NDF : 8146.9/56

All: 9.007 ± 0.179 χ^2/NDF : 17595.7/115

- sign 8.867 ± 0.253 χ^2/NDF : 9448.2/58

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.849 $\pm$ 0.400 χ^2/NDF : 589.4/32

Left Out: 17.280 $\pm$ 0.337 χ^2/NDF : 243.9/23

Right Out: 9.403 $\pm$ 0.406 χ^2/NDF : 619.8/35

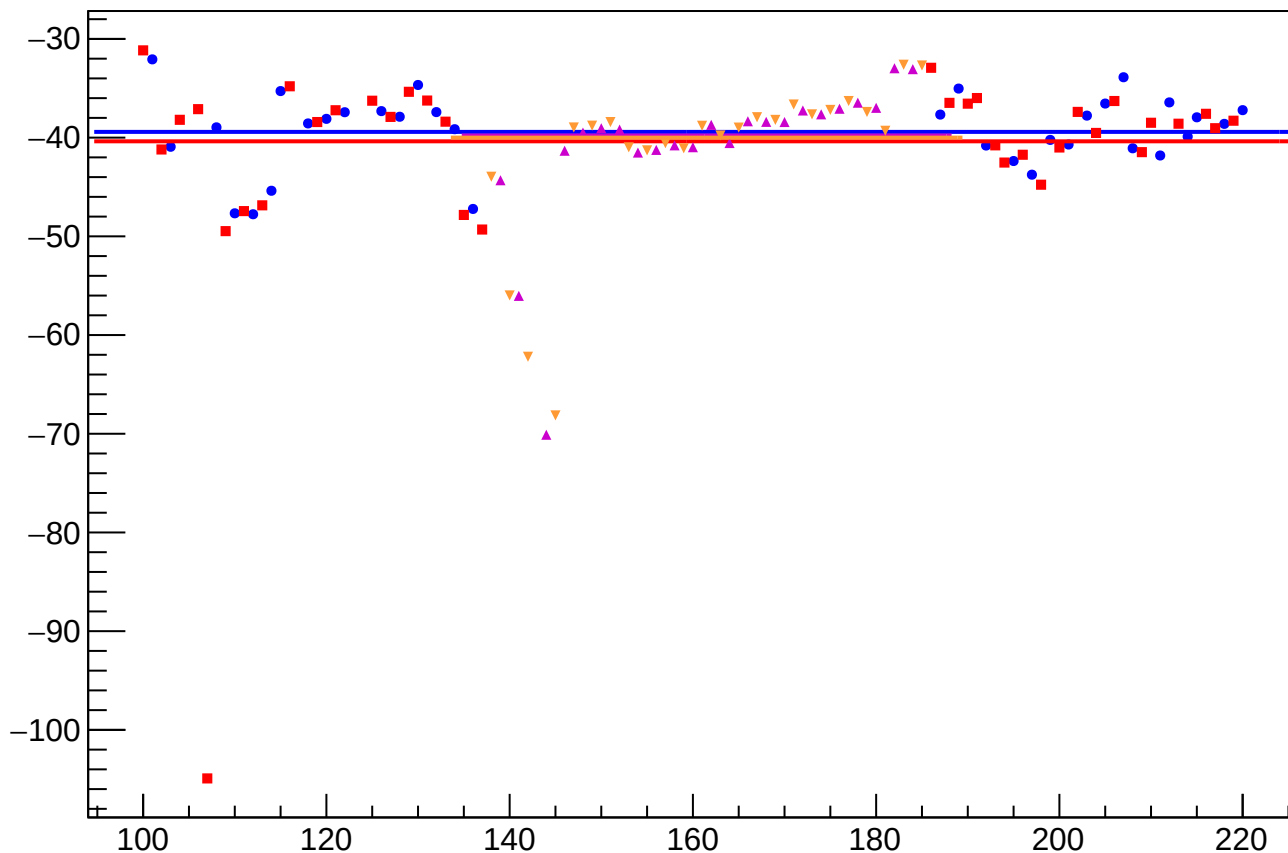
Left In: 17.245 $\pm$ 0.339 χ^2/NDF : 440.8/22

+ sign 14.606 $\pm$ 0.258 χ^2/NDF : 984.5/56

All: 14.316 $\pm$ 0.183 χ^2/NDF : 2267.3/115

- sign 14.019 $\pm$ 0.260 χ^2/NDF : 1280.2/58

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.418 ± 0.020 χ^2/NDF : 38184.5/32

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -40.374 ± 0.020 χ^2/NDF : 107993.6/35

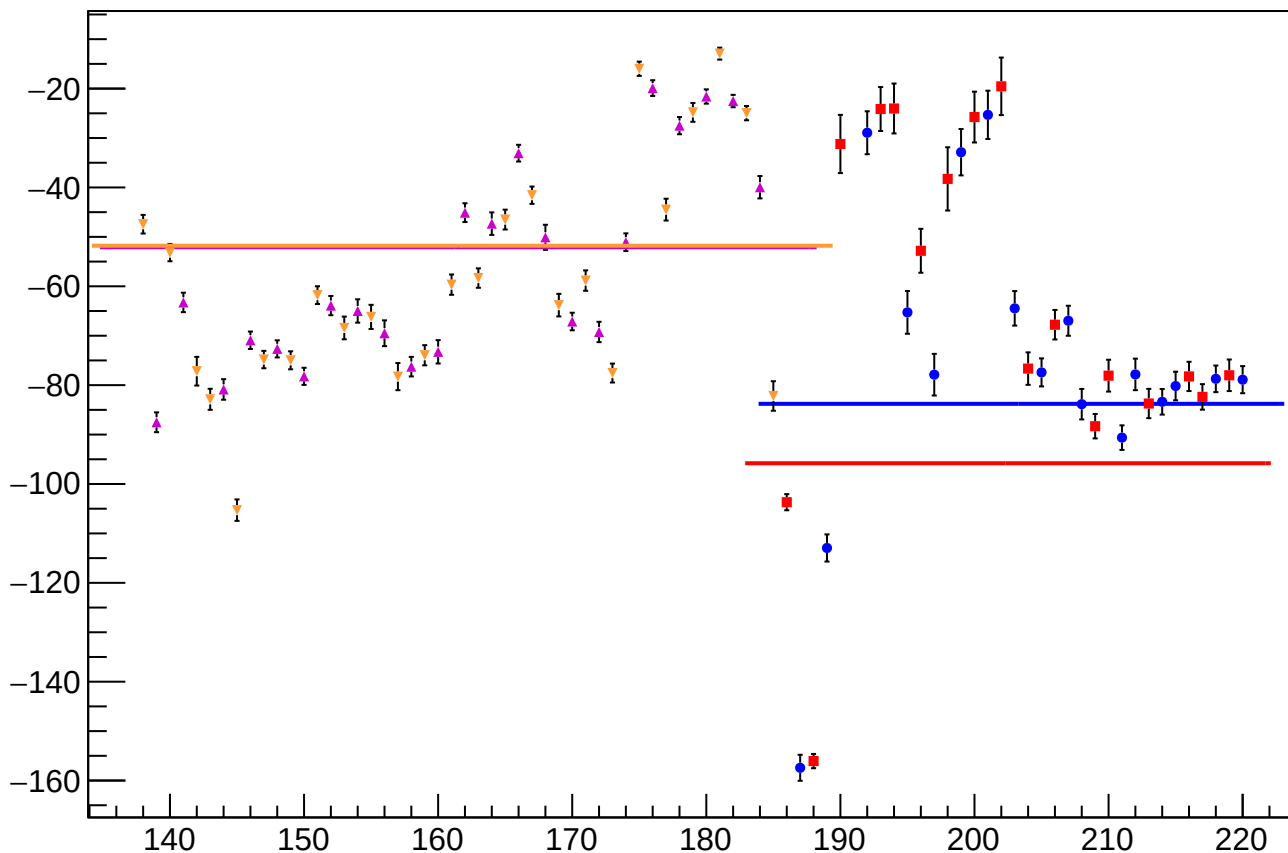
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -39.777 ± 0.012 χ^2/NDF : 210969.2/56

All: -39.893 ± 0.009 χ^2/NDF : 464171.3/115

- sign -40.009 ± 0.012 χ^2/NDF : 253026.8/58

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -83.779 ± 0.757 $\chi^2/\text{NDF}: 1421.9/16$

Left Out: -51.787 ± 0.383 $\chi^2/\text{NDF}: 4164.8/24$

Right Out: -95.801 ± 0.697 $\chi^2/\text{NDF}: 3146.8/16$

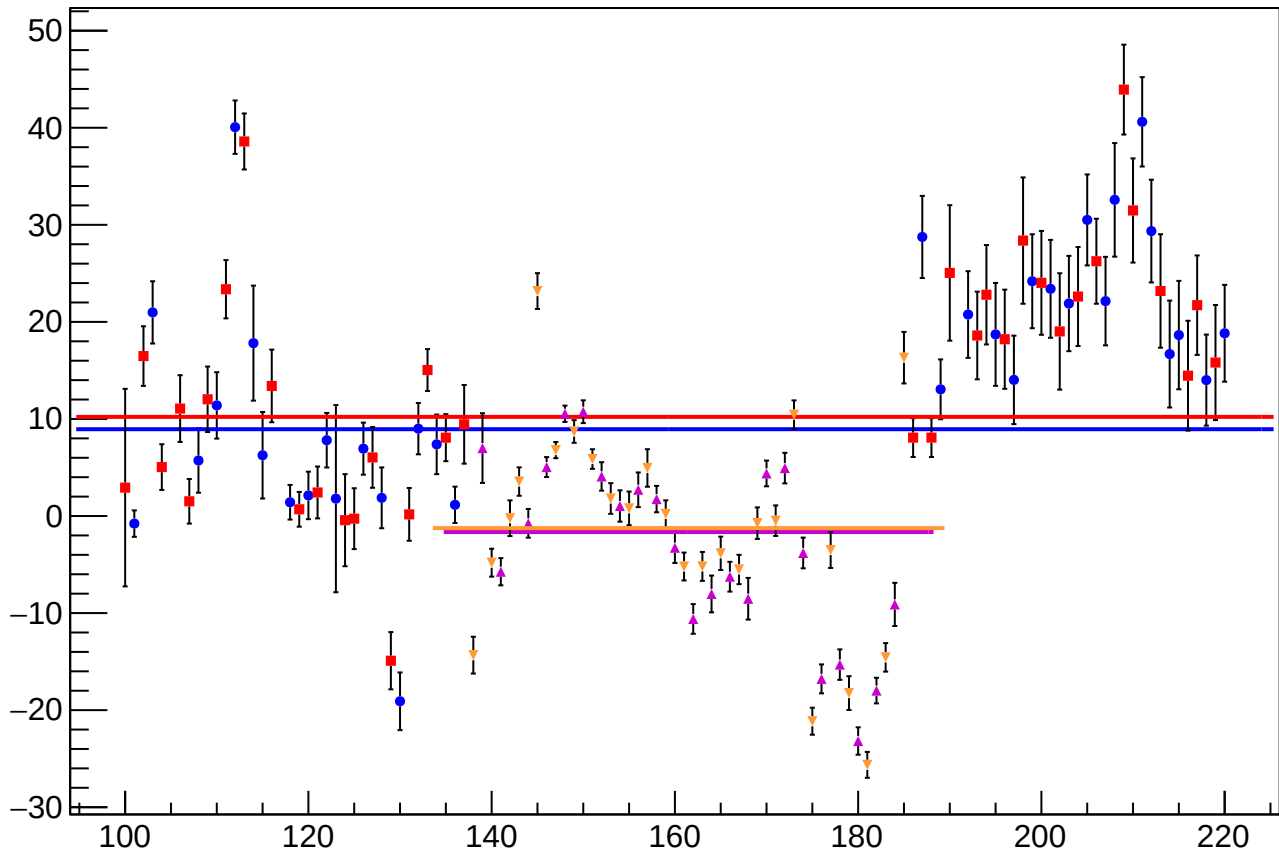
Left In: -52.104 ± 0.389 $\chi^2/\text{NDF}: 3280.2/22$

+ sign -58.301 ± 0.341 $\chi^2/\text{NDF}: 7010.0/41$

All: -60.394 ± 0.241 $\chi^2/\text{NDF}: 16508.4/81$

- sign -62.463 ± 0.339 $\chi^2/\text{NDF}: 9423.6/39$

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 8.945 ± 0.550 $\chi^2/\text{NDF}: 514.1/33$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 10.215 ± 0.543 $\chi^2/\text{NDF}: 422.3/35$

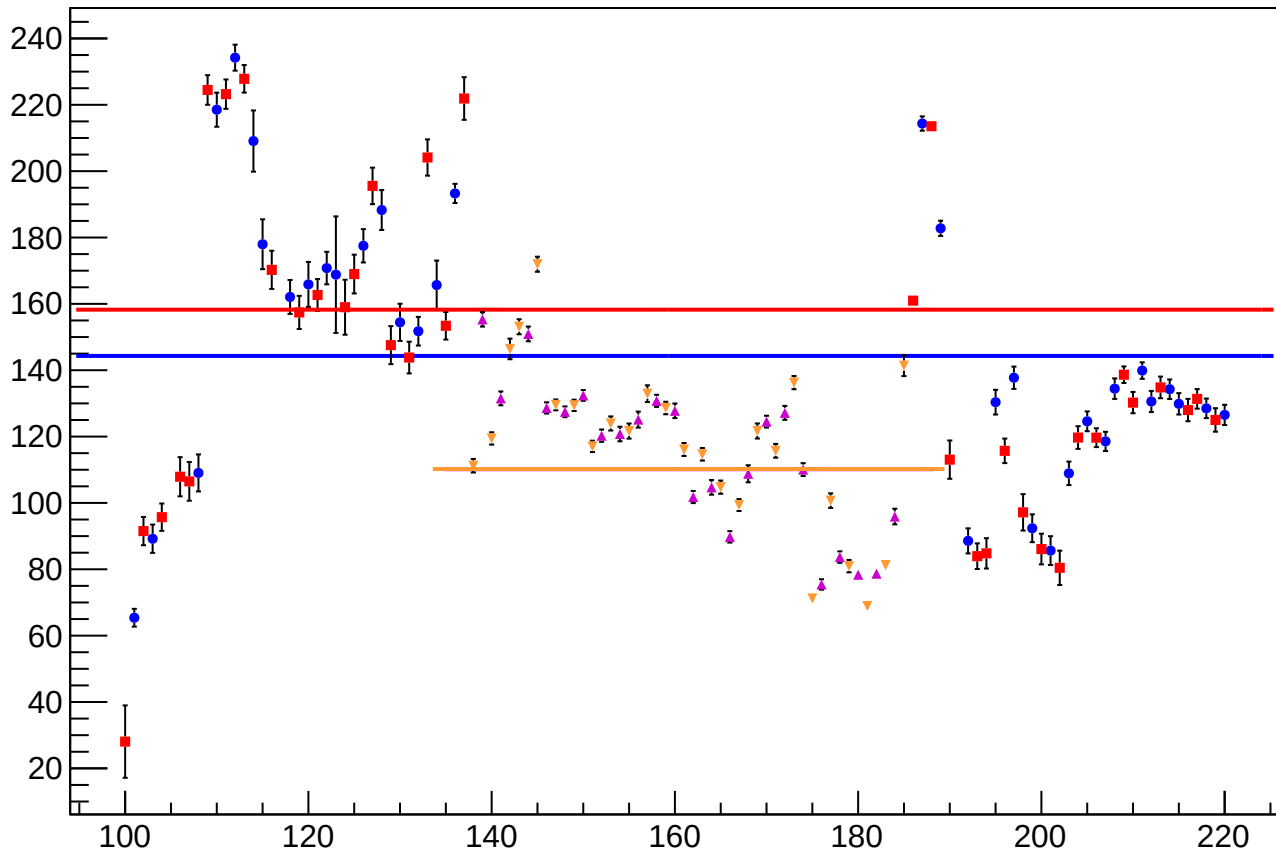
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.992 ± 0.258 $\chi^2/\text{NDF}: 2104.6/58$

All: 1.057 ± 0.184 $\chi^2/\text{NDF}: 3984.8/117$

- sign 1.125 ± 0.263 $\chi^2/\text{NDF}: 1880.1/58$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 144.308 ± 0.619 $\chi^2/\text{NDF}: 4579.9/33$

Left Out: 110.213 ± 0.382 $\chi^2/\text{NDF}: 4593.7/24$

Right Out: 158.252 ± 0.557 $\chi^2/\text{NDF}: 6163.6/35$

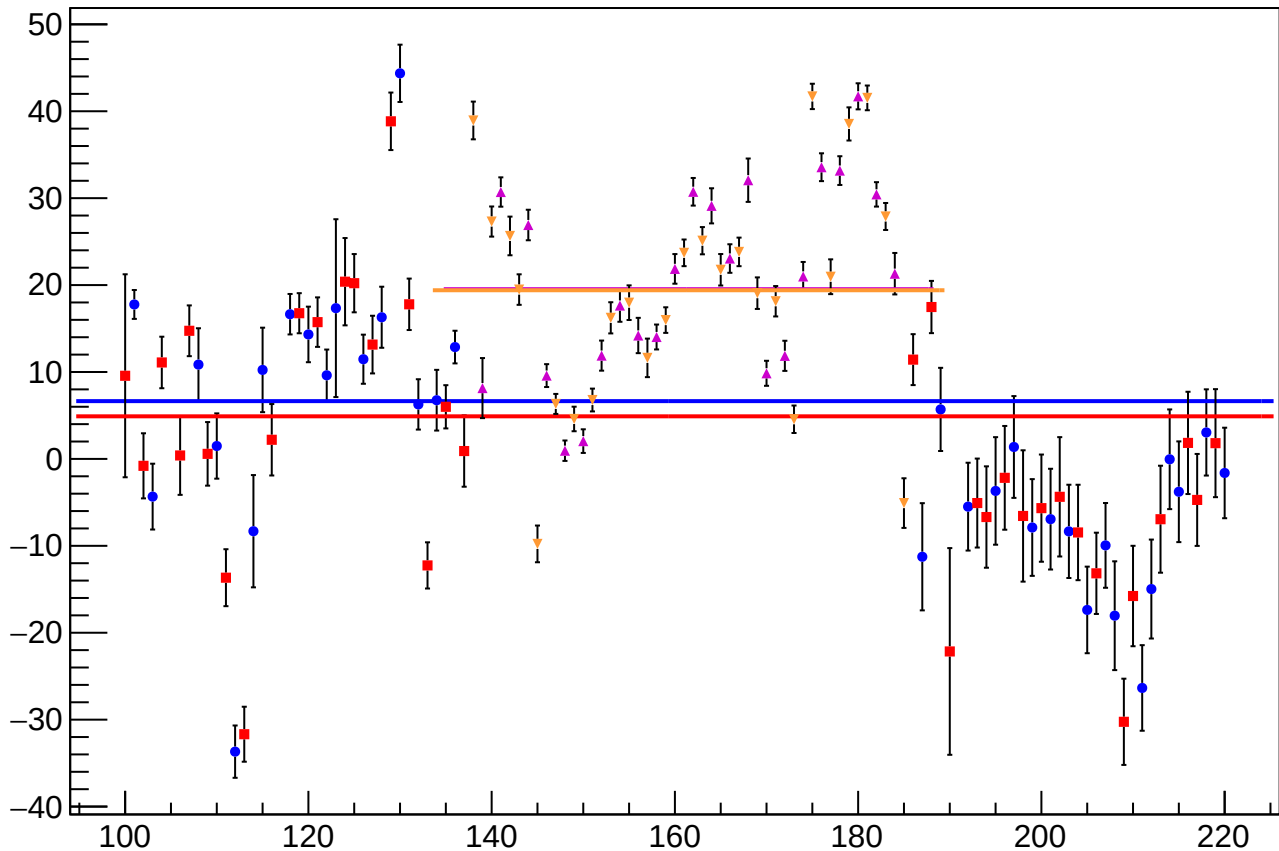
Left In: 110.171 ± 0.386 $\chi^2/\text{NDF}: 3702.6/22$

+ sign 119.616 ± 0.325 $\chi^2/\text{NDF}: 11370.2/58$

All: 122.777 ± 0.227 $\chi^2/\text{NDF}: 26460.1/117$

- sign 125.785 ± 0.317 $\chi^2/\text{NDF}: 14905.4/58$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 6.648 ± 0.632 $\chi^2/\text{NDF}: 575.7/33$

Left Out: 19.405 ± 0.335 $\chi^2/\text{NDF}: 1453.4/24$

Right Out: 4.900 ± 0.639 $\chi^2/\text{NDF}: 566.6/35$

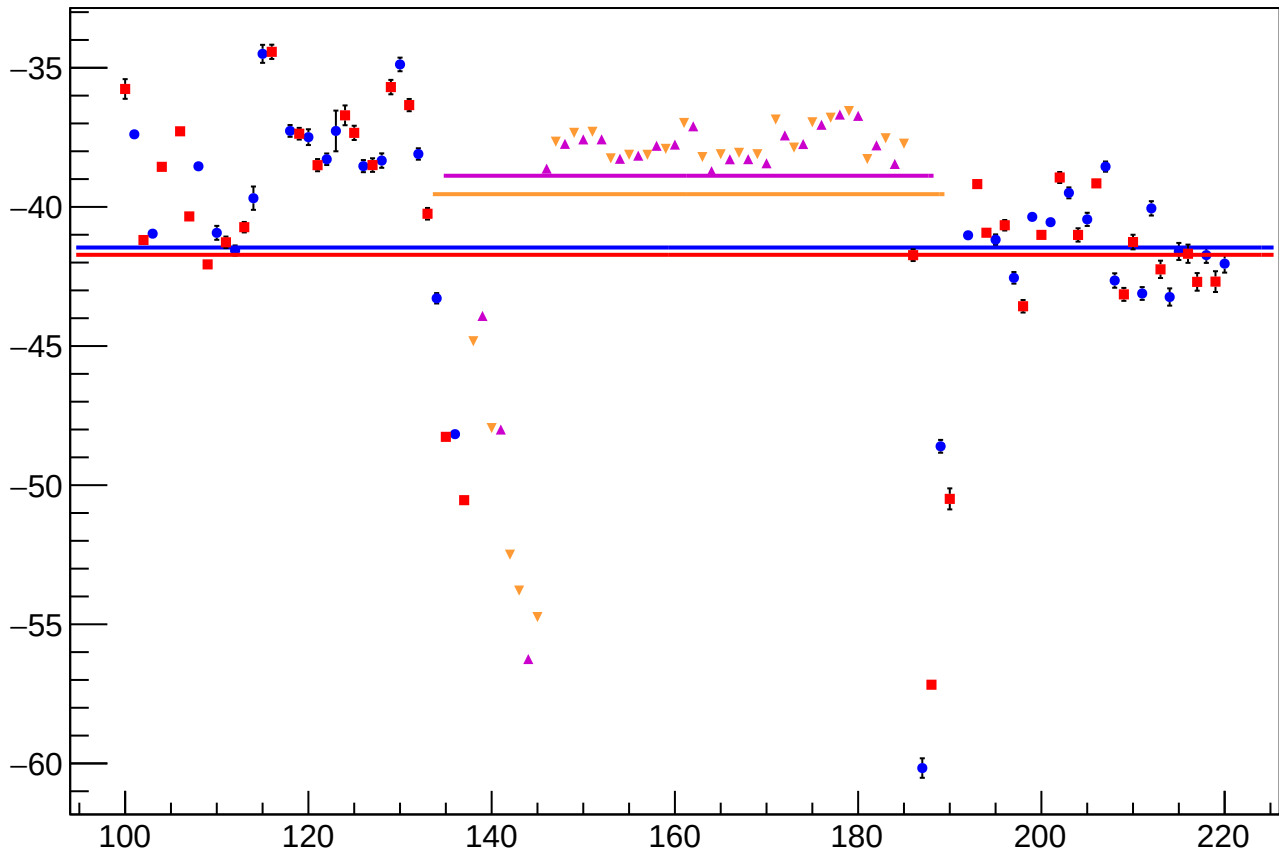
Left In: 19.530 ± 0.342 $\chi^2/\text{NDF}: 1181.3/22$

+ sign 16.610 ± 0.296 $\chi^2/\text{NDF}: 2347.4/58$

All: 16.443 ± 0.211 $\chi^2/\text{NDF}: 4502.7/117$

- sign 16.269 ± 0.302 $\chi^2/\text{NDF}: 2154.7/58$

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.459 ± 0.031 $\chi^2/\text{NDF}: 16960.9/33$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.721 ± 0.031 $\chi^2/\text{NDF}: 23130.1/35$

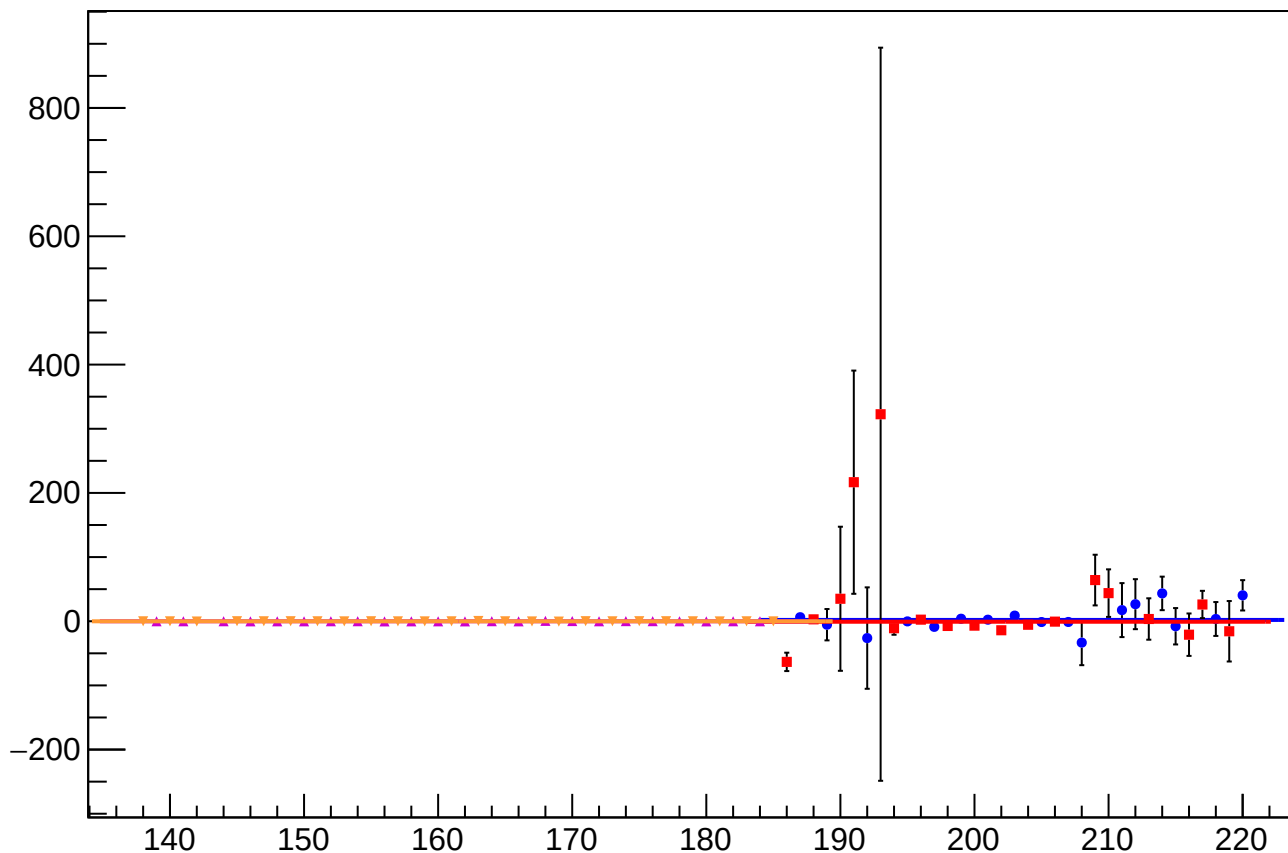
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.931 ± 0.014 $\chi^2/\text{NDF}: 111999.6/58$

All: -39.701 ± 0.010 $\chi^2/\text{NDF}: 195717.4/117$

- sign -39.468 ± 0.014 $\chi^2/\text{NDF}: 83176.7/58$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 2.035 ± 1.523 χ^2/NDF : 18.1/16

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: -0.768 ± 1.414 χ^2/NDF : 38.8/17

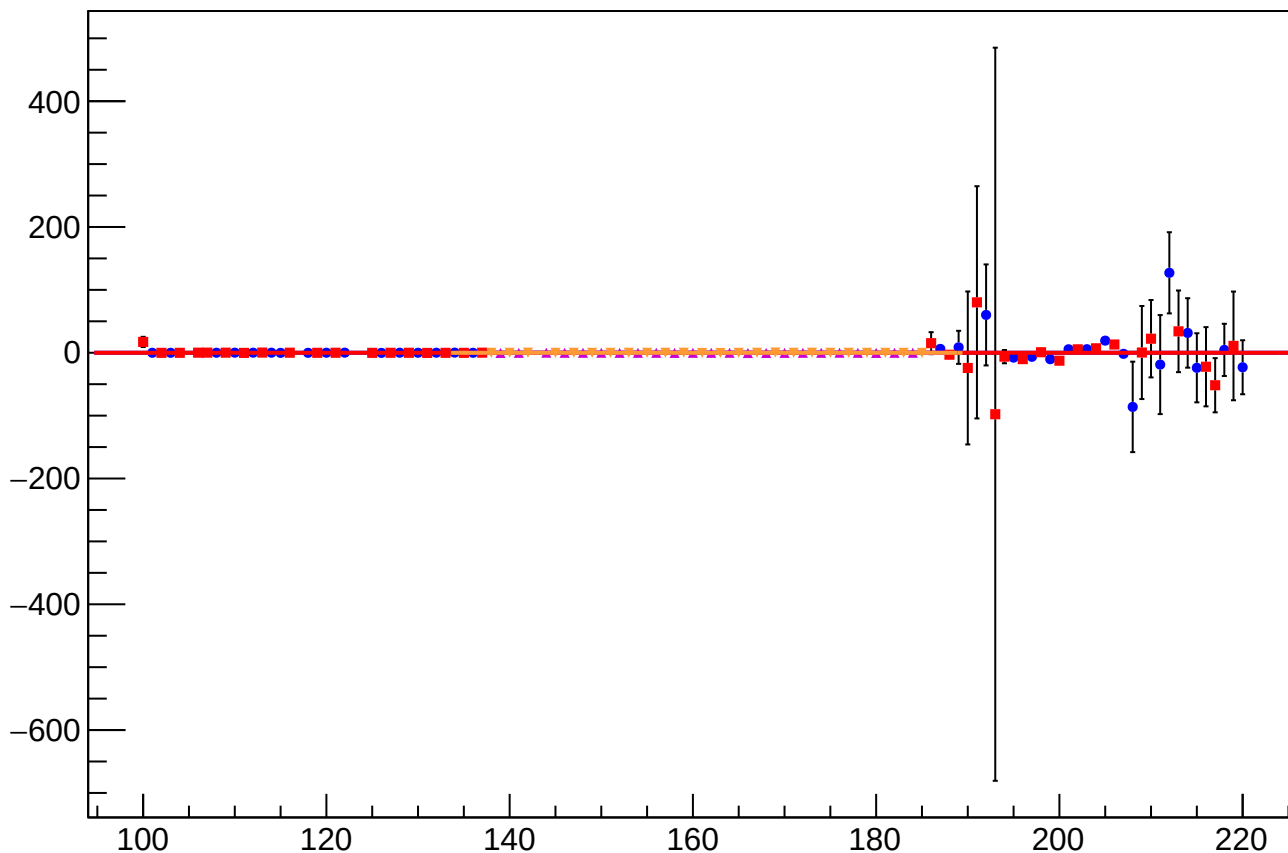
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 59.7/40

All: -0.057 ± 0.016 χ^2/NDF : 136.0/81

- sign -0.026 ± 0.022 χ^2/NDF : 72.3/40

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 38.1/32

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 43.1/35

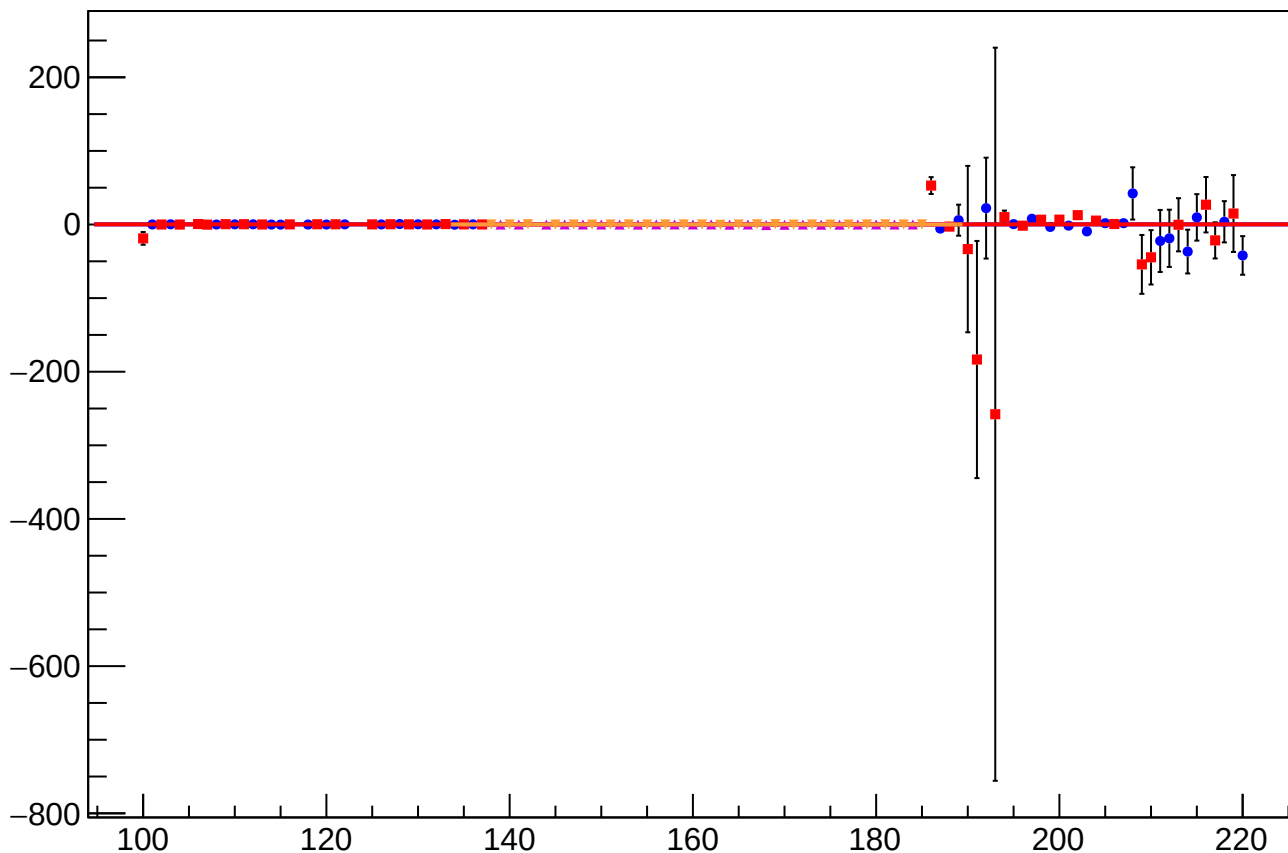
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 69.6/56

All: -0.056 ± 0.011 χ^2/NDF : 144.5/115

- sign -0.052 ± 0.015 χ^2/NDF : 74.8/58

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 ± 0.053 χ^2/NDF : 33.3/32

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.236 ± 0.054 χ^2/NDF : 61.7/35

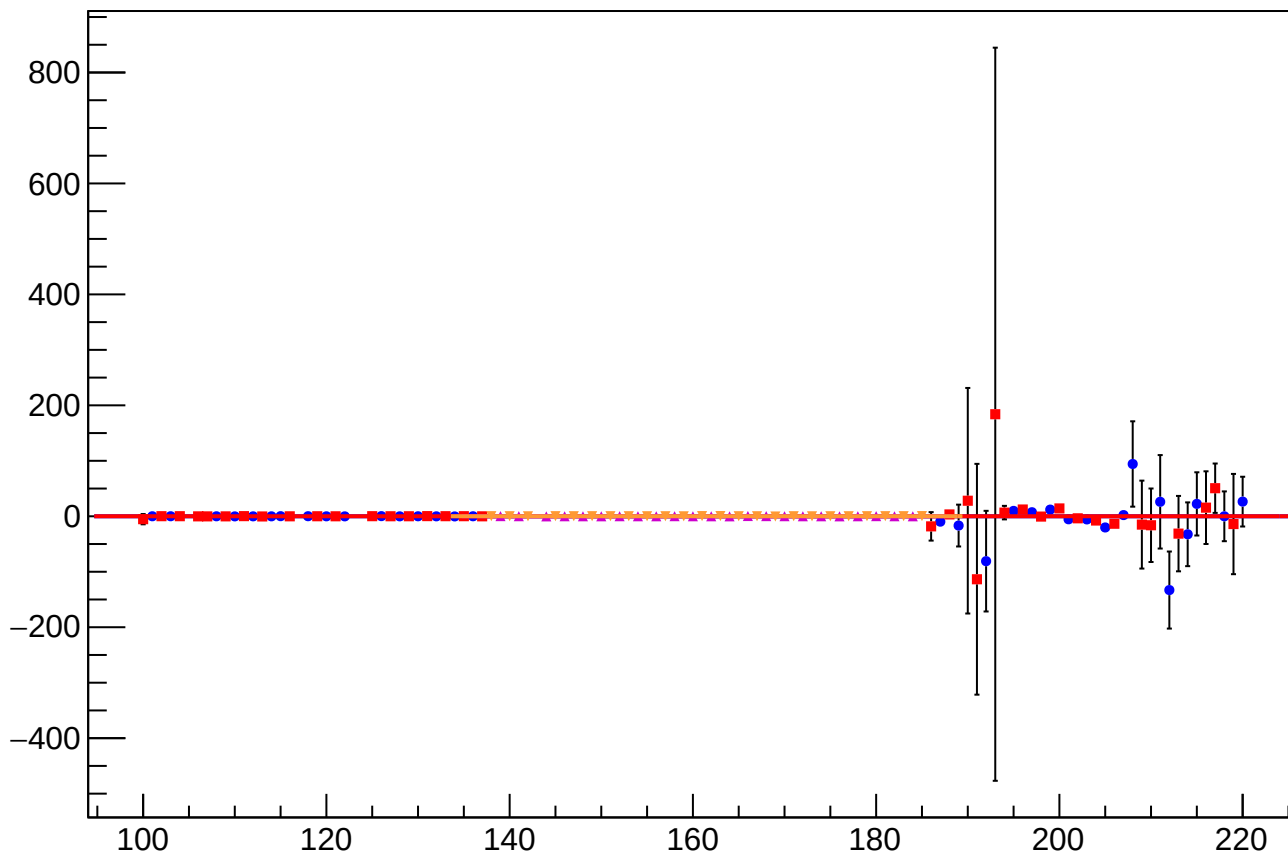
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 74.2/56

All: 0.073 ± 0.014 χ^2/NDF : 187.4/115

- sign 0.051 ± 0.021 χ^2/NDF : 110.9/58

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 39.5/32

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.057 ± 0.034 χ^2/NDF : 36.3/35

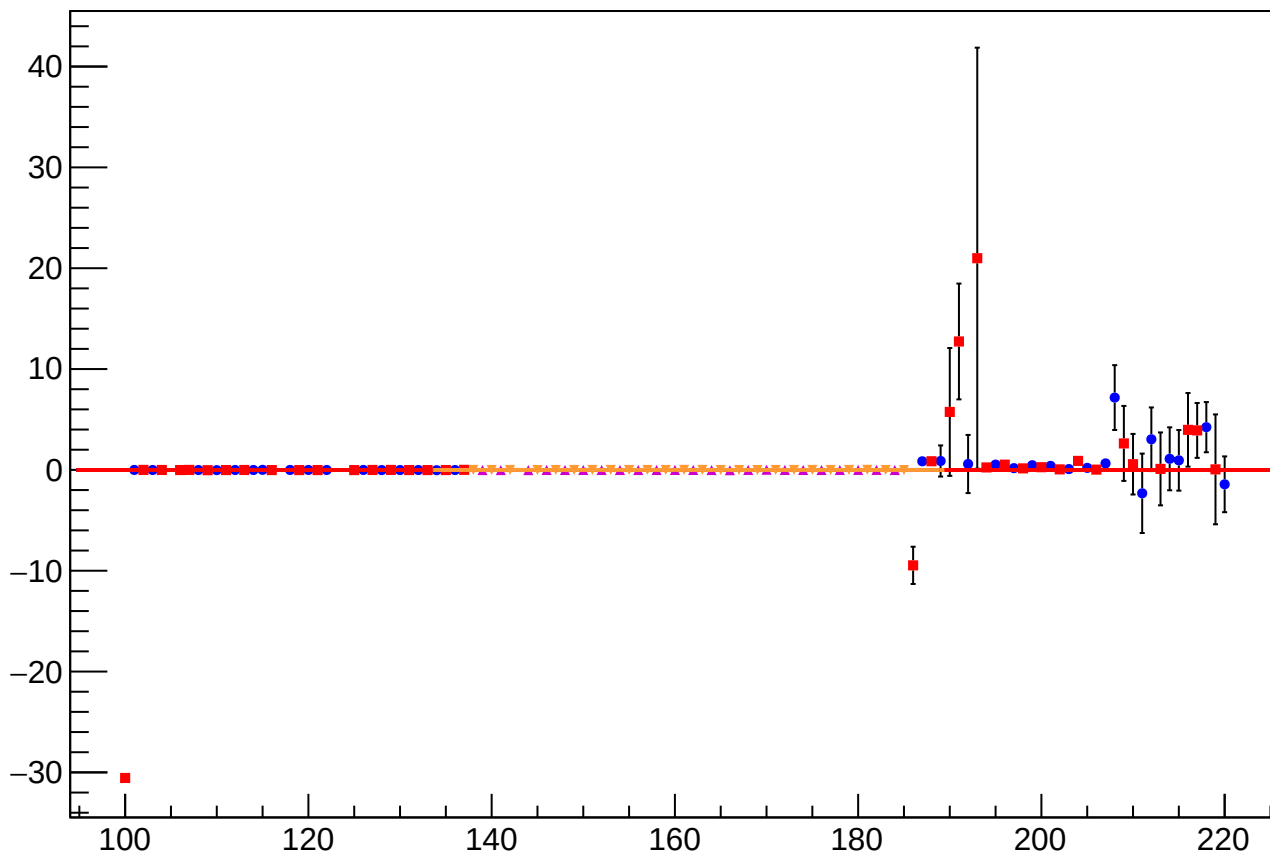
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 77.6/56

All: 0.071 ± 0.012 χ^2/NDF : 145.4/115

- sign 0.066 ± 0.017 χ^2/NDF : 67.7/58

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2/NDF : 51.3/32

Left Out: -0.008 $\pm$ 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 $\pm$ 0.002 χ^2/NDF : 11958.1/35

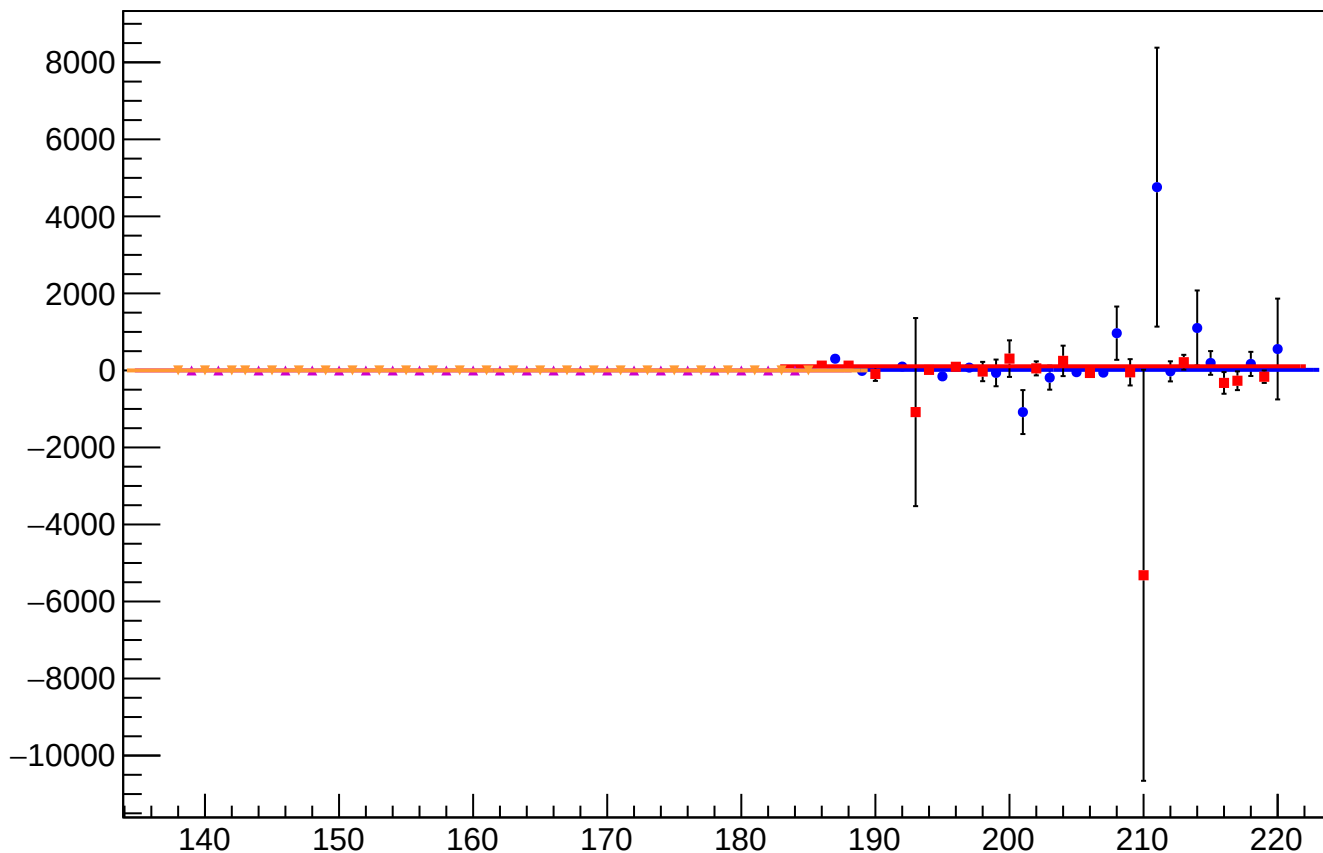
Left In: -0.009 $\pm$ 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 $\pm$ 0.001 χ^2/NDF : 84.8/56

All: -0.009 $\pm$ 0.001 χ^2/NDF : 12086.5/115

- sign -0.009 $\pm$ 0.001 χ^2/NDF : 12001.4/58

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 15.084+/-25.716 χ^2/NDF : 26.0/16

Left Out: 0.017+/-0.027 χ^2/NDF : 30.9/24

Right Out: 107.475+/-15.970 χ^2/NDF : 16.5/16

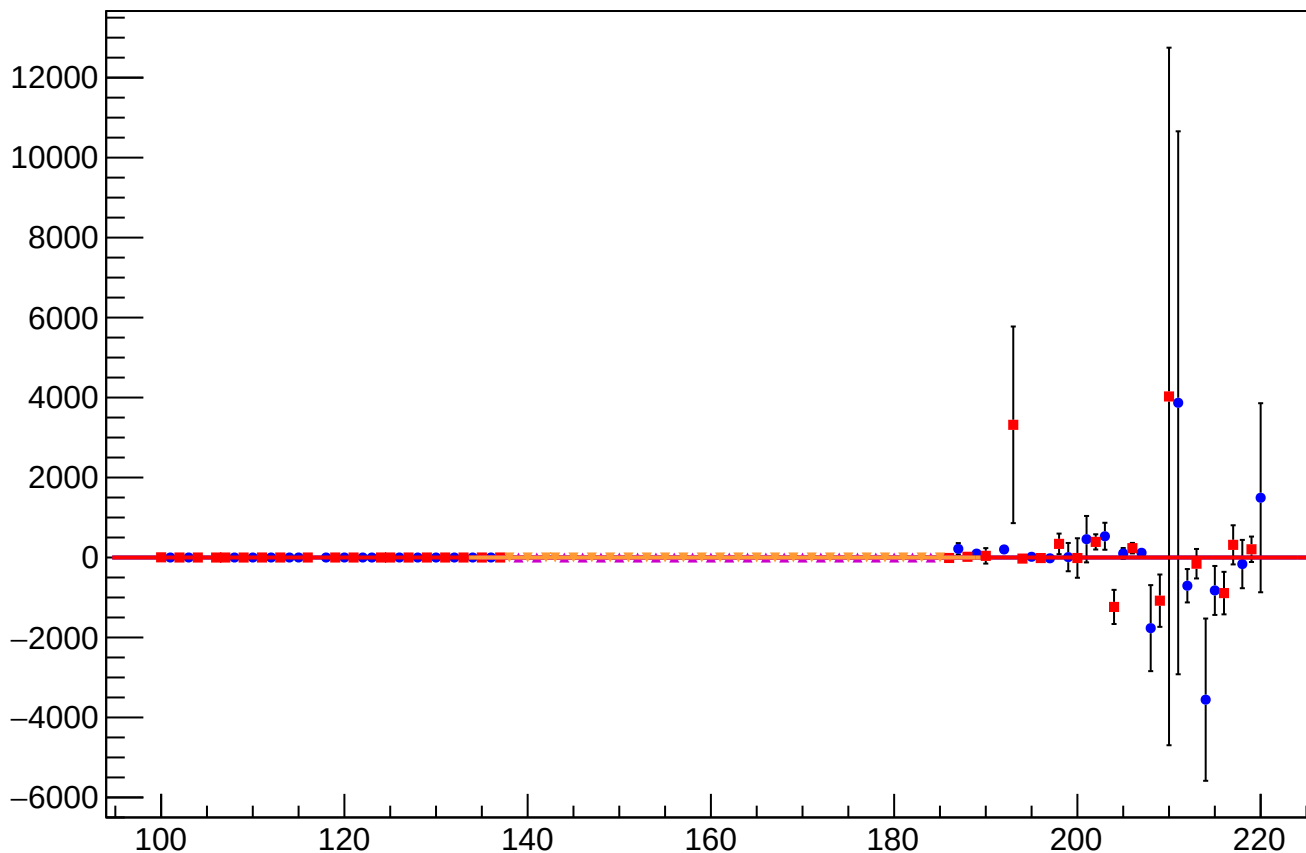
Left In: 0.002+/-0.028 χ^2/NDF : 29.0/22

+ sign 0.017+/-0.027 χ^2/NDF : 57.2/41

All: 0.010+/-0.019 χ^2/NDF : 148.2/81

- sign 0.003+/-0.028 χ^2/NDF : 90.8/39

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 50.3/33

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 45.0/35

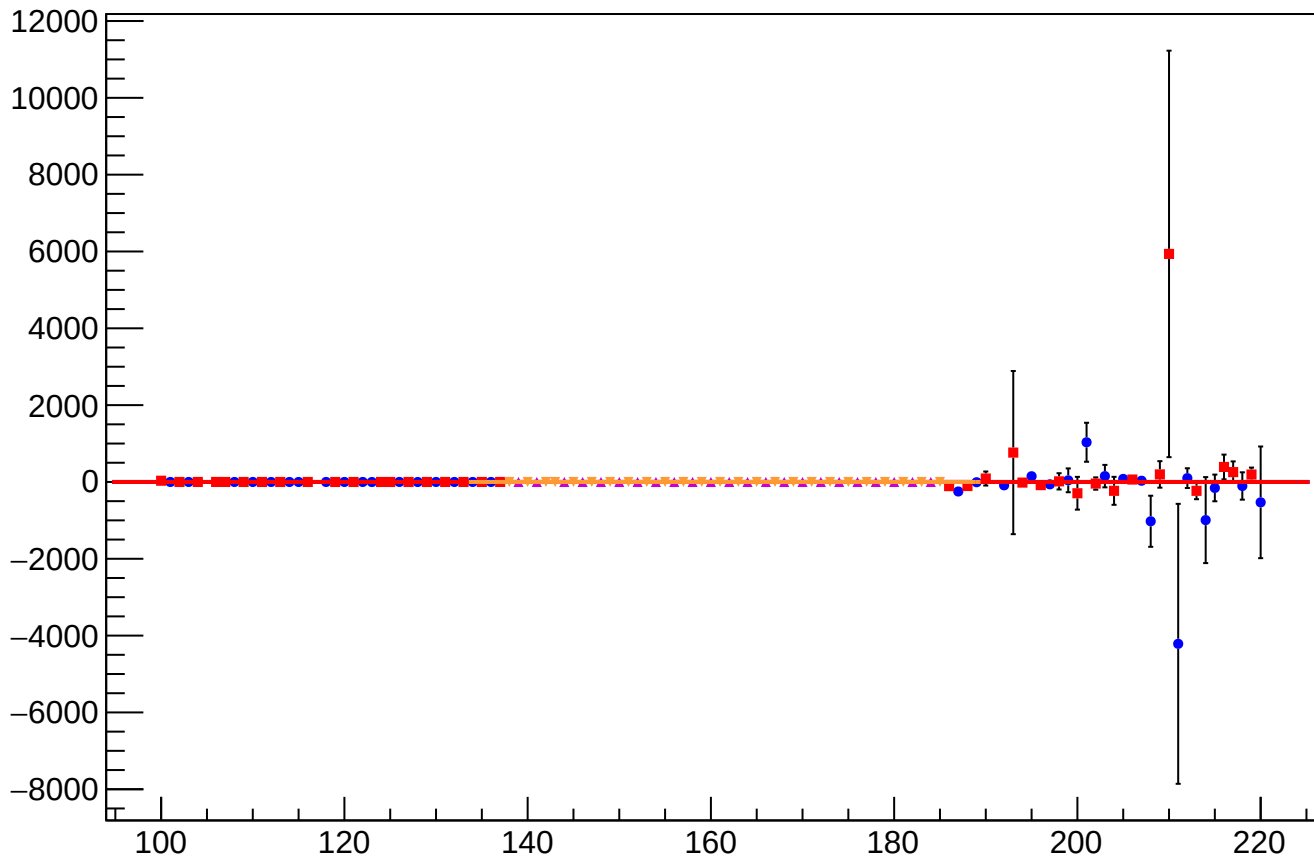
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 75.7/58

All: -0.066 ± 0.013 χ^2/NDF : 172.4/117

- sign -0.083 ± 0.019 χ^2/NDF : 95.2/58

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 51.2/33

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 85.3/35

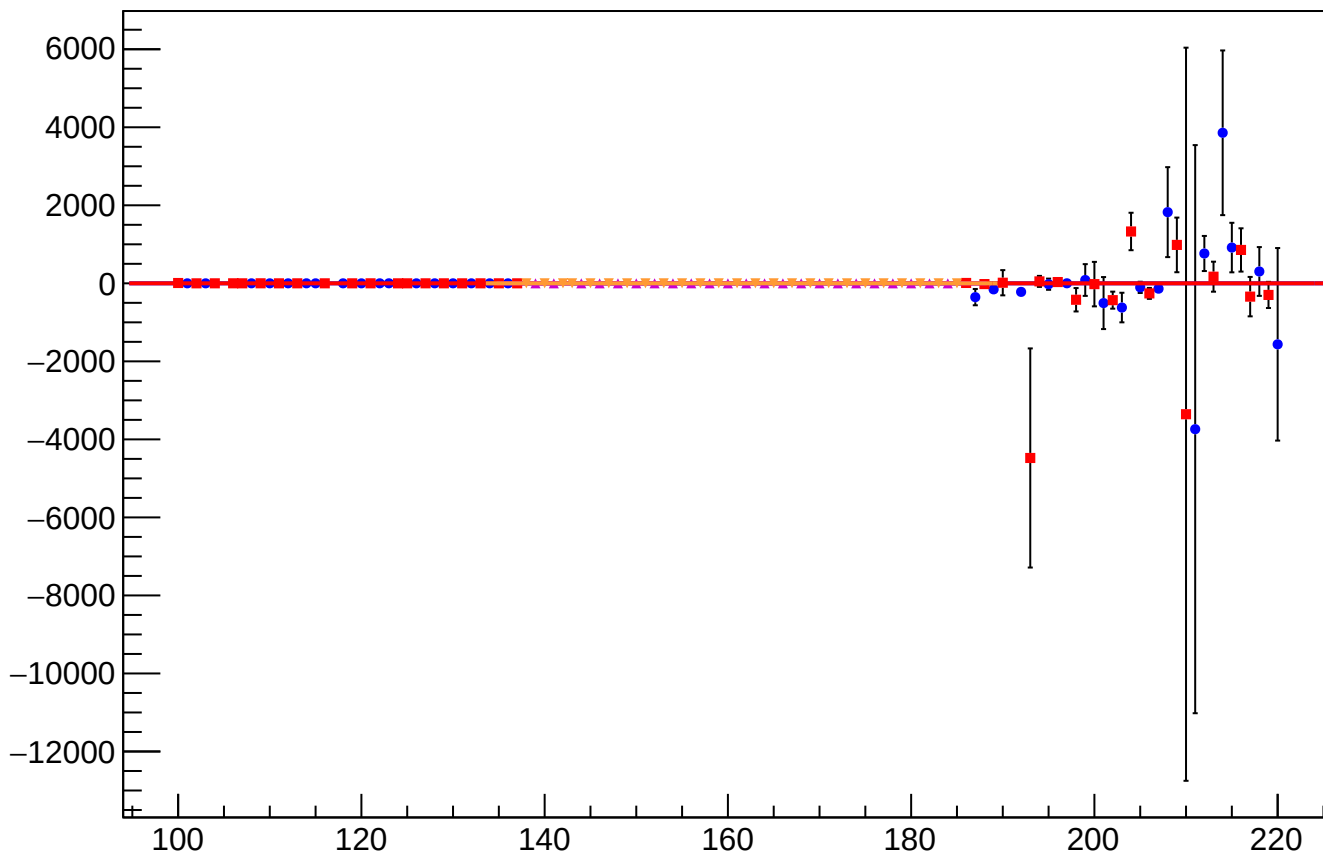
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 82.8/58

All: -0.042 ± 0.018 χ^2/NDF : 199.9/117

- sign -0.050 ± 0.026 χ^2/NDF : 116.9/58

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 ± 0.043 χ^2/NDF : 49.8/33

Left Out: 0.063 ± 0.024 χ^2/NDF : 24.6/24

Right Out: 0.144 ± 0.045 χ^2/NDF : 42.6/35

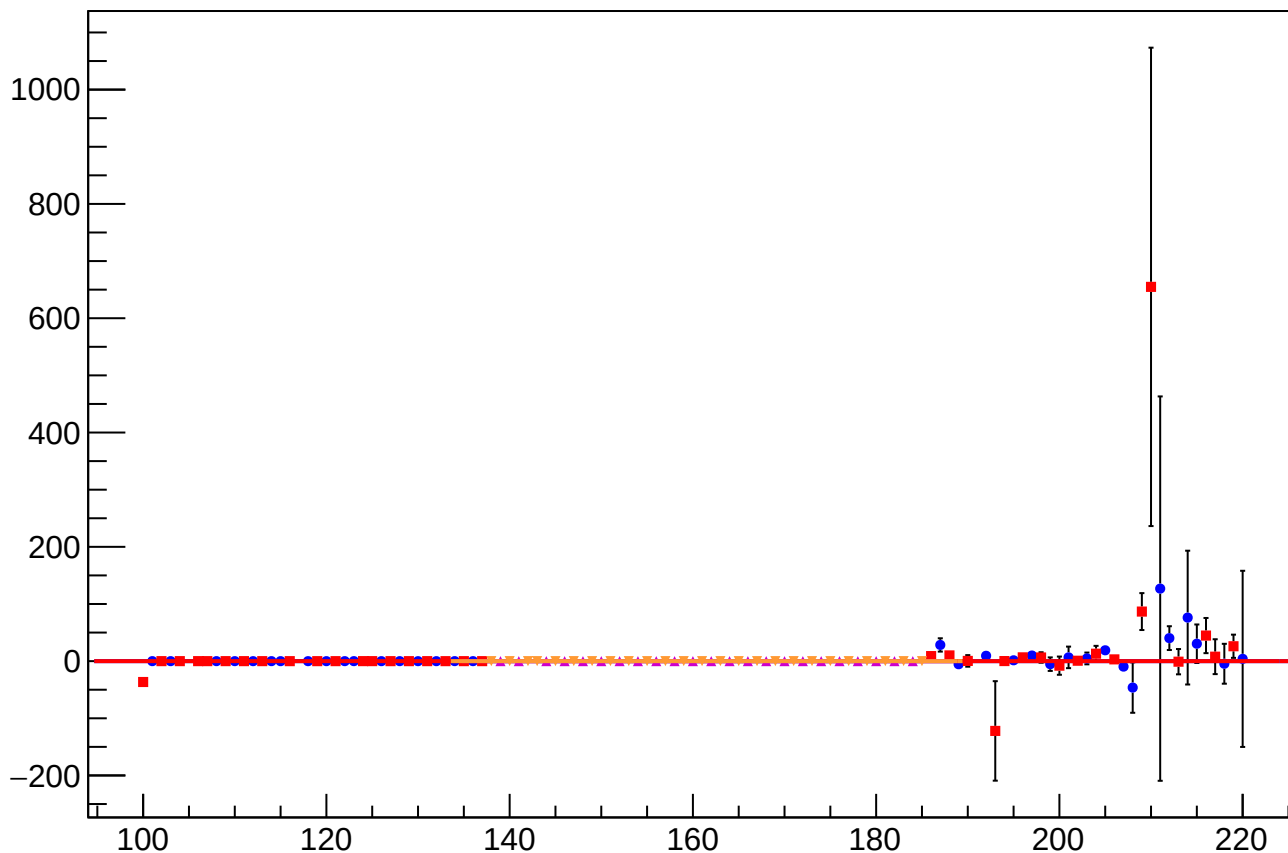
Left In: 0.069 ± 0.025 χ^2/NDF : 51.8/22

+ sign 0.052 ± 0.021 χ^2/NDF : 75.3/58

All: 0.069 ± 0.015 χ^2/NDF : 173.0/117

- sign 0.086 ± 0.022 χ^2/NDF : 96.5/58

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 69.2/33

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10487.8/35

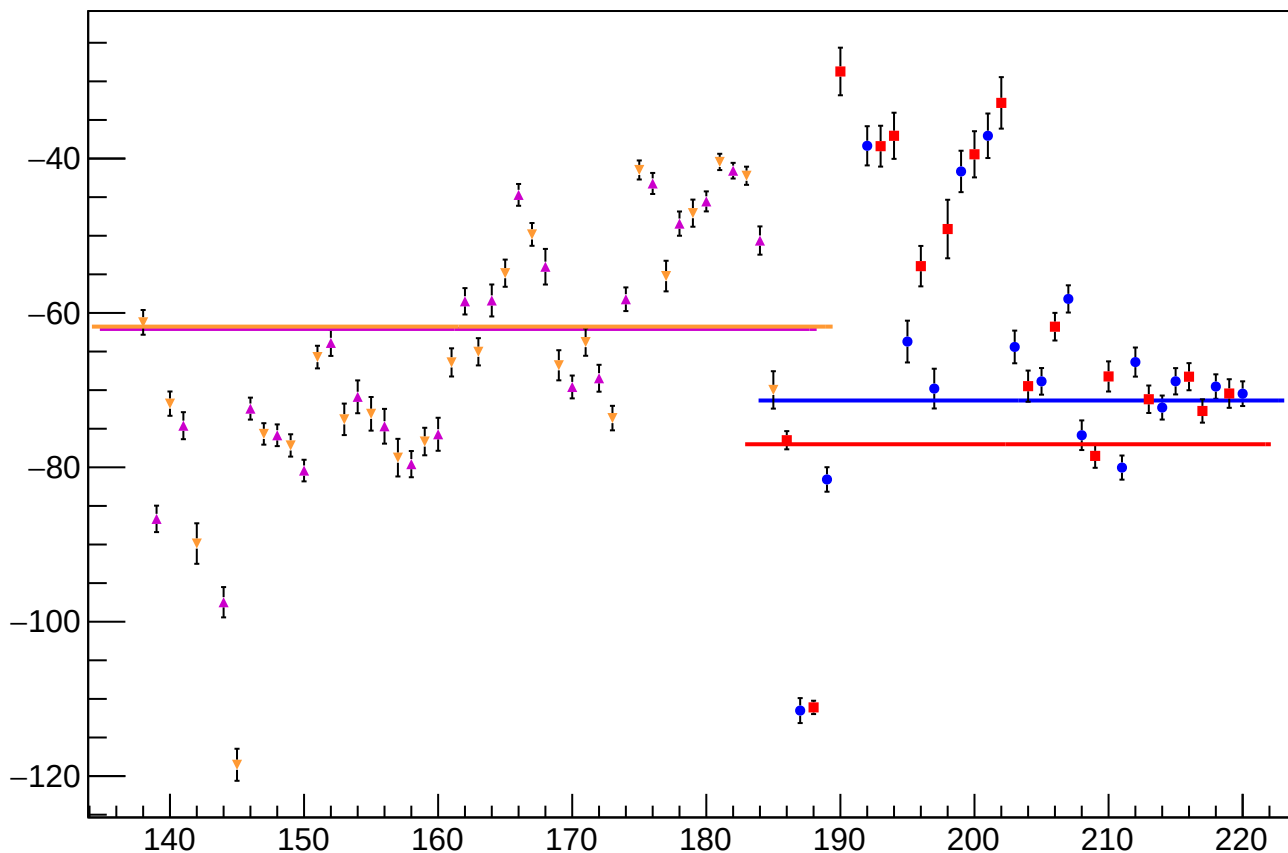
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 103.6/58

All: 0.007 ± 0.001 χ^2/NDF : 10616.8/117

- sign 0.007 ± 0.001 χ^2/NDF : 10513.2/58

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.343 ± 0.453 $\chi^2/\text{NDF}: 1215.1/16$

Left Out: -61.771 ± 0.334 $\chi^2/\text{NDF}: 2504.9/23$

Right Out: -77.011 ± 0.429 $\chi^2/\text{NDF}: 2822.7/16$

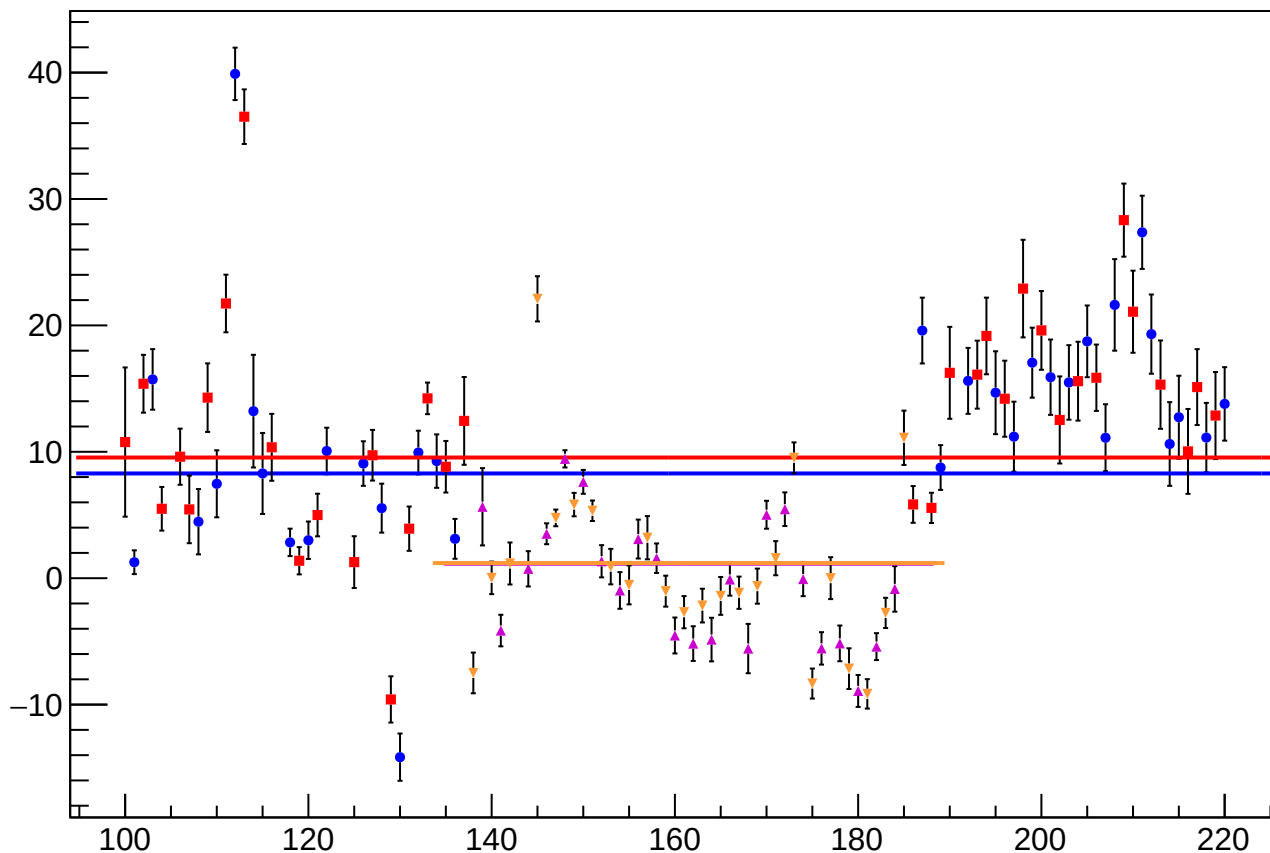
Left In: -62.073 ± 0.332 $\chi^2/\text{NDF}: 2192.0/22$

+ sign -65.139 ± 0.269 $\chi^2/\text{NDF}: 4009.2/40$

All: -66.441 ± 0.188 $\chi^2/\text{NDF}: 9828.5/80$

- sign -67.683 ± 0.263 $\chi^2/\text{NDF}: 5773.4/39$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 8.286 ± 0.363 $\chi^2/\text{NDF}: 643.9/32$

Left Out: 1.198 ± 0.253 $\chi^2/\text{NDF}: 526.3/23$

Right Out: 9.547 ± 0.364 $\chi^2/\text{NDF}: 551.5/34$

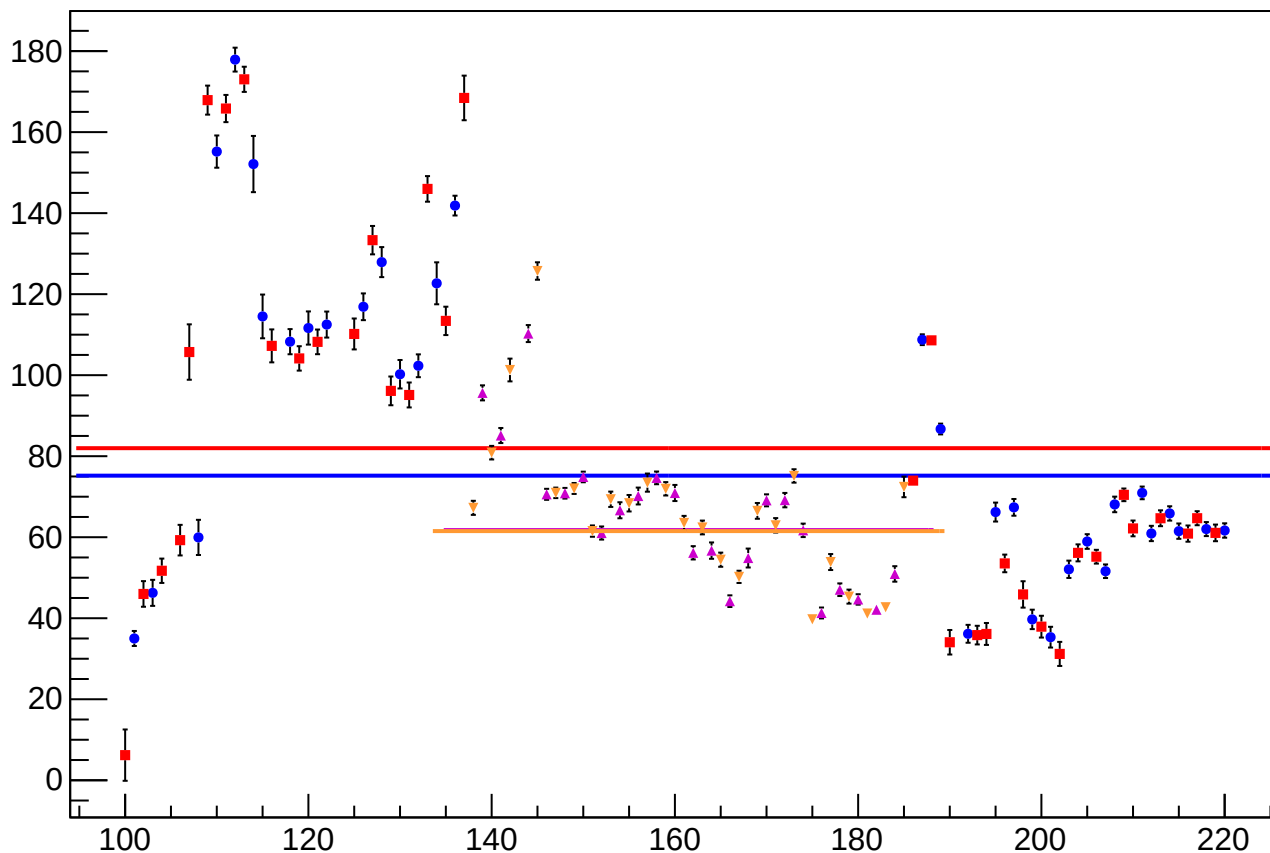
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ sign 3.514 ± 0.207 $\chi^2/\text{NDF}: 1427.6/56$

All: 3.715 ± 0.147 $\chi^2/\text{NDF}: 2801.2/114$

- sign 3.919 ± 0.209 $\chi^2/\text{NDF}: 1371.8/57$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 75.195 $\pm$ 0.387 χ^2 /NDF: 6205.2/32

Left Out: 61.512 $\pm$ 0.332 χ^2 /NDF: 2606.0/23

Right Out: 81.980 $\pm$ 0.355 χ^2 /NDF: 7971.3/34

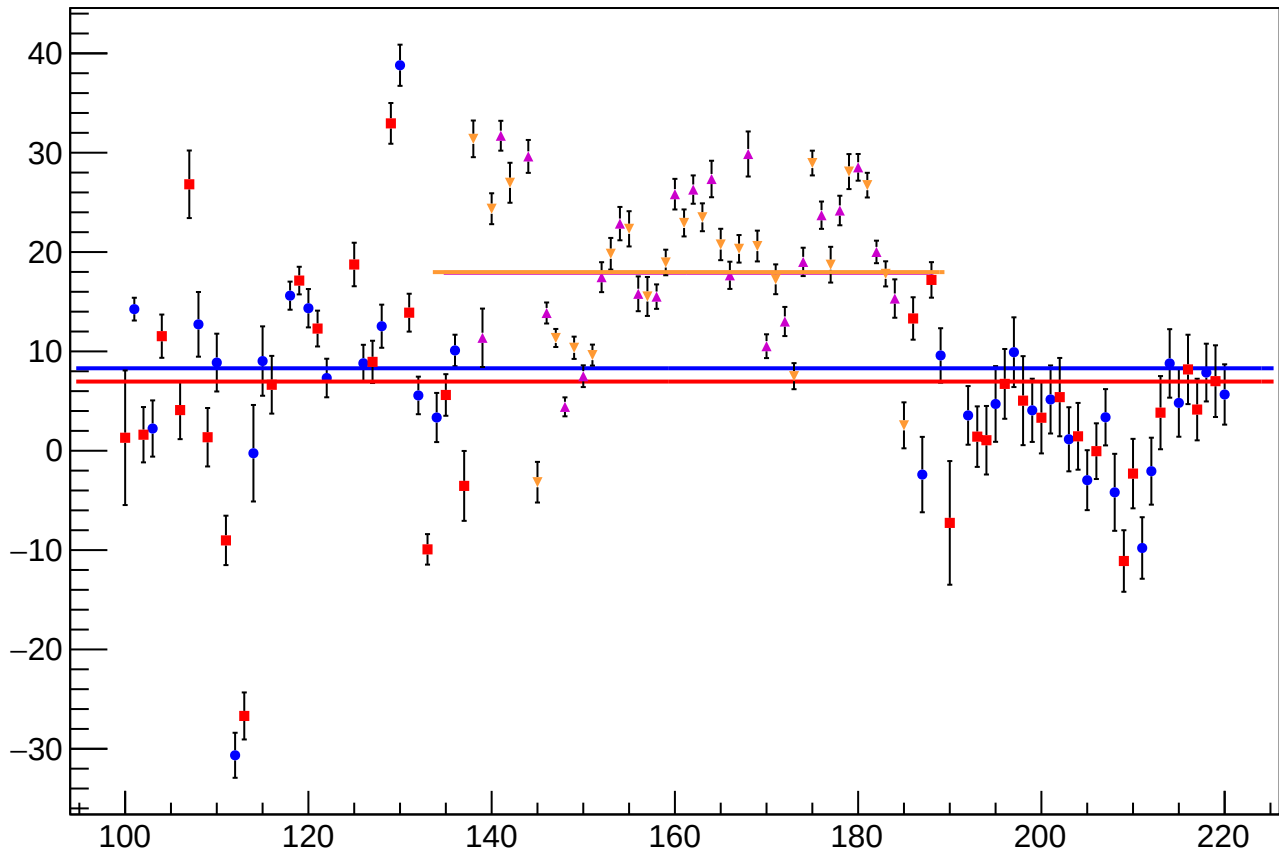
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 67.319 $\pm$ 0.252 χ^2 /NDF: 9530.7/56

All: 69.311 $\pm$ 0.174 χ^2 /NDF: 21781.5/114

- sign 71.141 $\pm$ 0.242 χ^2 /NDF: 12131.1/57

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 8.301 ± 0.420 χ^2/NDF : 688.7/32

Left Out: 17.980 ± 0.291 χ^2/NDF : 674.4/23

Right Out: 6.964 ± 0.430 χ^2/NDF : 793.5/34

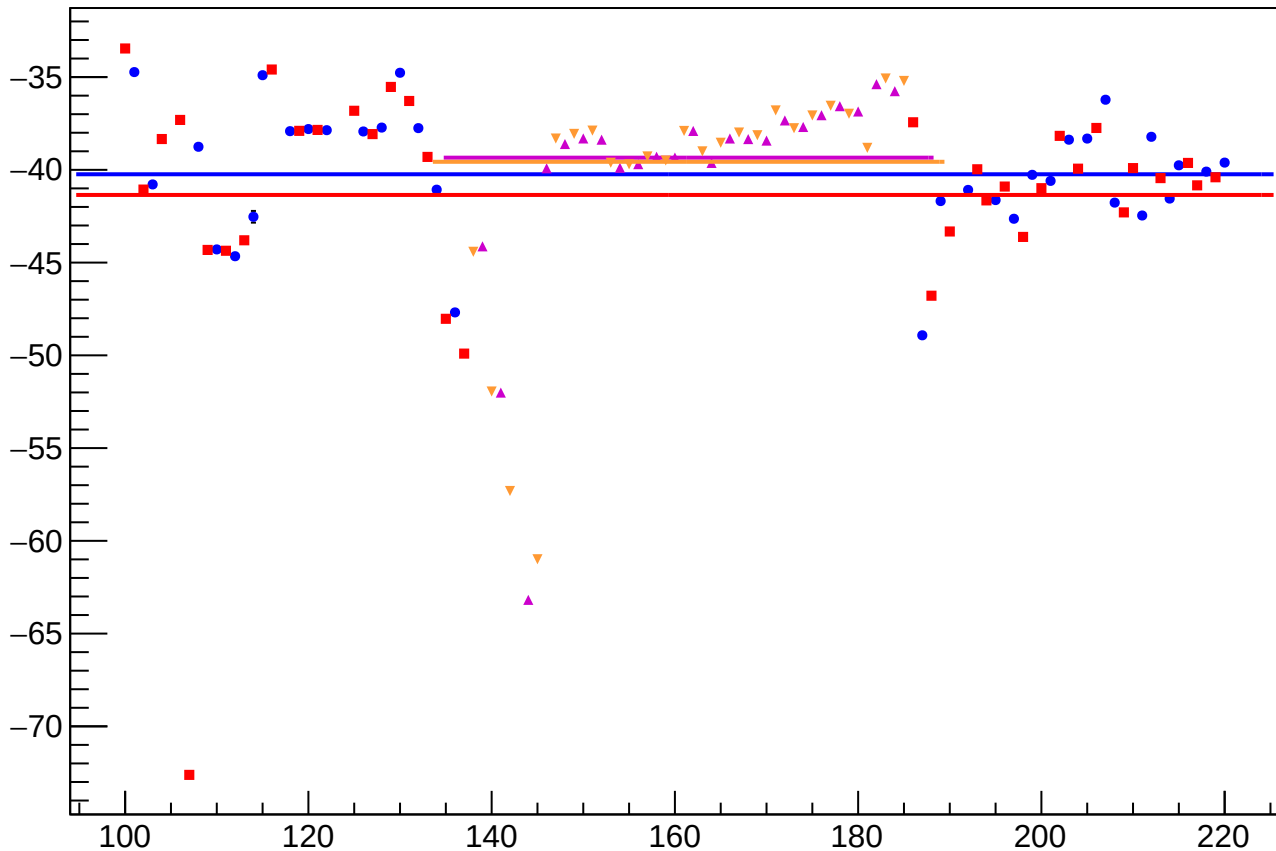
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 14.843 ± 0.239 χ^2/NDF : 1721.9/56

All: 14.652 ± 0.170 χ^2/NDF : 3686.4/114

- sign 14.457 ± 0.242 χ^2/NDF : 1963.2/57

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.239 ± 0.021 χ^2/NDF : 29910.5/32

Left Out: -39.566 ± 0.014 χ^2/NDF : 141198.7/23

Right Out: -41.353 ± 0.021 χ^2/NDF : 68814.7/34

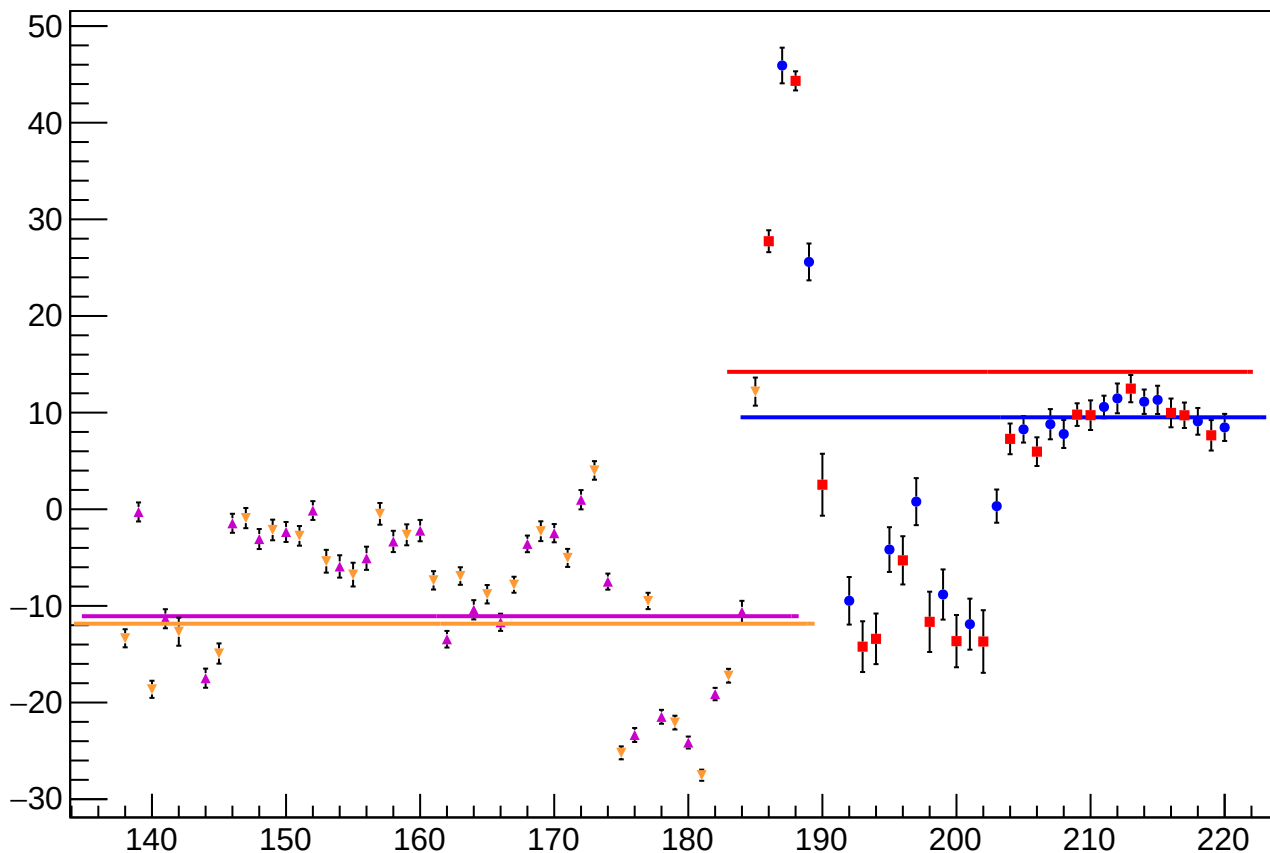
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.768 ± 0.011 χ^2/NDF : 171829.8/56

All: -39.853 ± 0.008 χ^2/NDF : 363804.2/114

- sign -39.936 ± 0.011 χ^2/NDF : 191867.0/57

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 9.515 ± 0.395 χ^2/NDF : 720.7/16

Left Out: -11.842 ± 0.187 χ^2/NDF : 2739.8/23

Right Out: 14.221 ± 0.389 χ^2/NDF : 1730.4/16

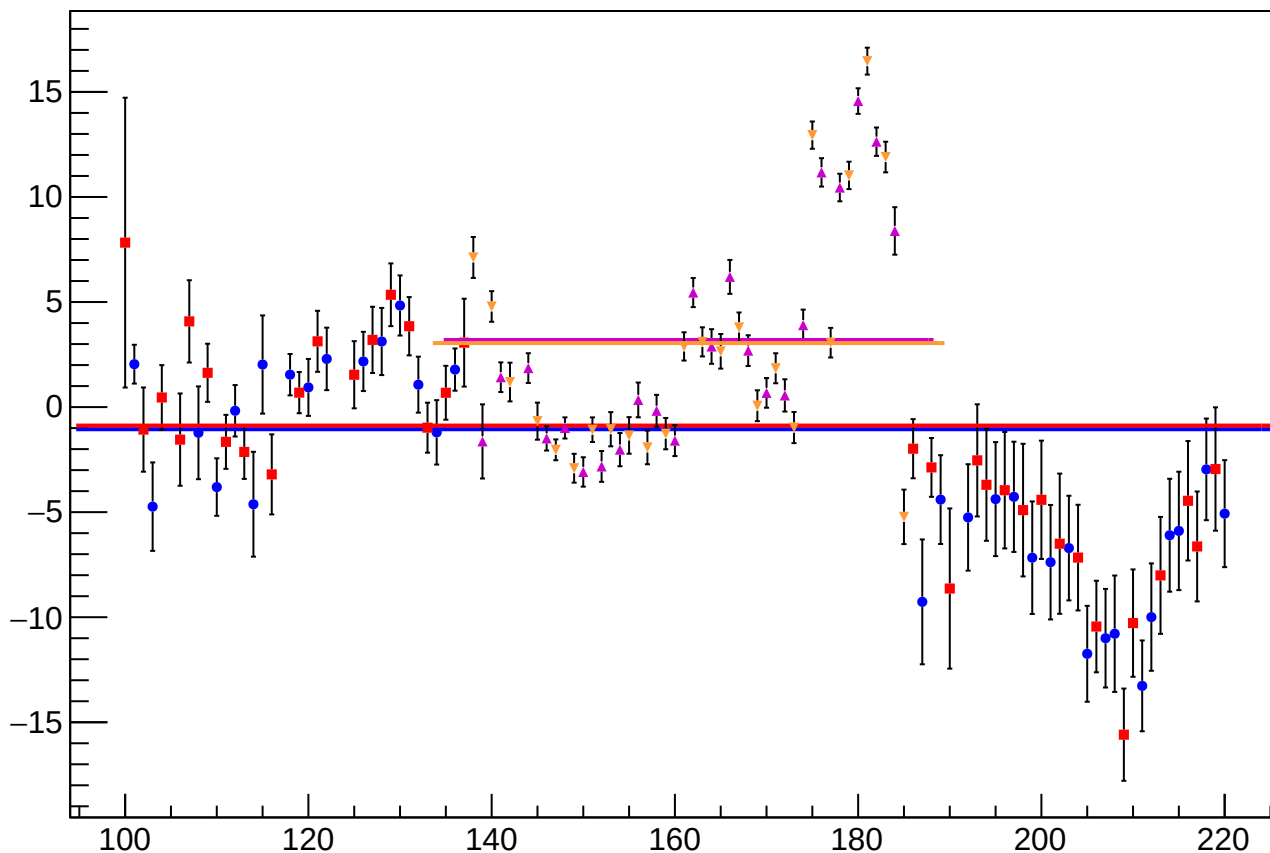
Left In: -11.067 ± 0.188 χ^2/NDF : 2104.8/22

+ sign -7.933 ± 0.169 χ^2/NDF : 5852.7/40

All: -7.105 ± 0.120 χ^2/NDF : 13166.8/80

- sign -6.273 ± 0.169 χ^2/NDF : 7265.9/39

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.054 ± 0.299 χ^2/NDF : 214.1/32

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: -0.879 ± 0.301 χ^2/NDF : 181.2/34

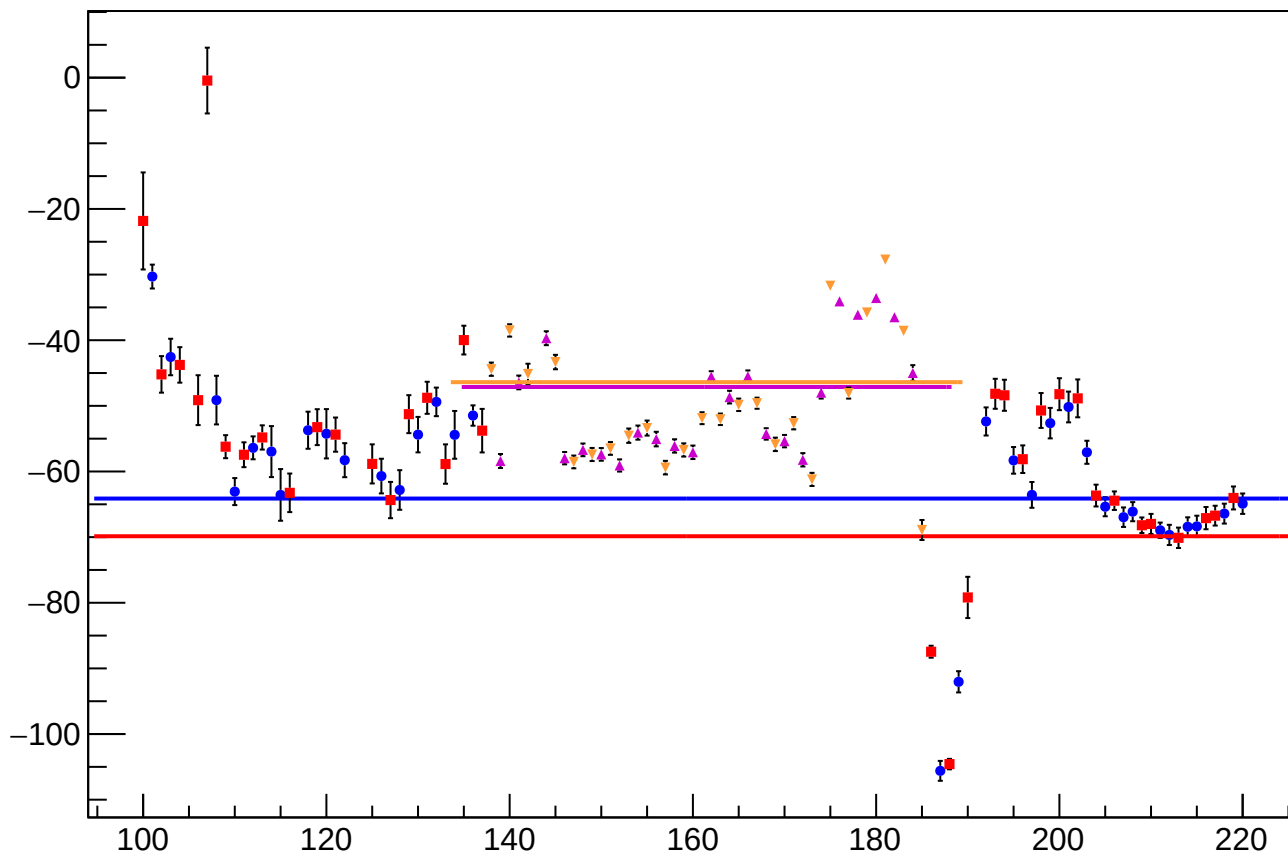
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.239 ± 0.133 χ^2/NDF : 1822.7/56

All: 2.311 ± 0.094 χ^2/NDF : 3446.3/114

- sign 2.384 ± 0.134 χ^2/NDF : 1623.0/57

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -64.123 ± 0.331 χ^2/NDF : 1821.7/32

Left Out: -46.392 ± 0.187 χ^2/NDF : 3286.7/23

Right Out: -69.865 ± 0.315 χ^2/NDF : 3752.6/34

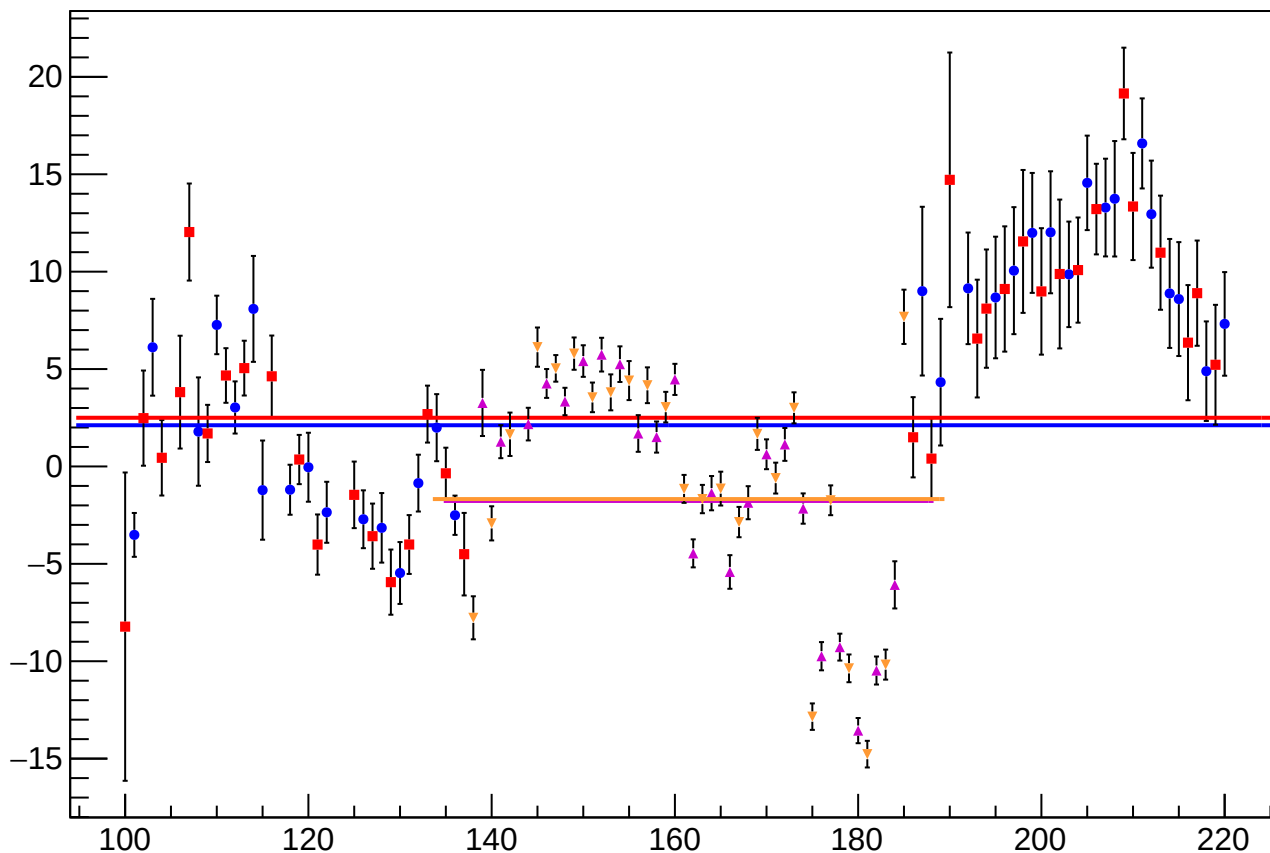
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -50.667 ± 0.163 χ^2/NDF : 7286.2/56

All: -51.873 ± 0.114 χ^2/NDF : 17510.6/114

- sign -53.056 ± 0.161 χ^2/NDF : 10115.4/57

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 2.115 ± 0.338 χ^2/NDF : 309.7/32

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 2.499 ± 0.345 χ^2/NDF : 262.9/34

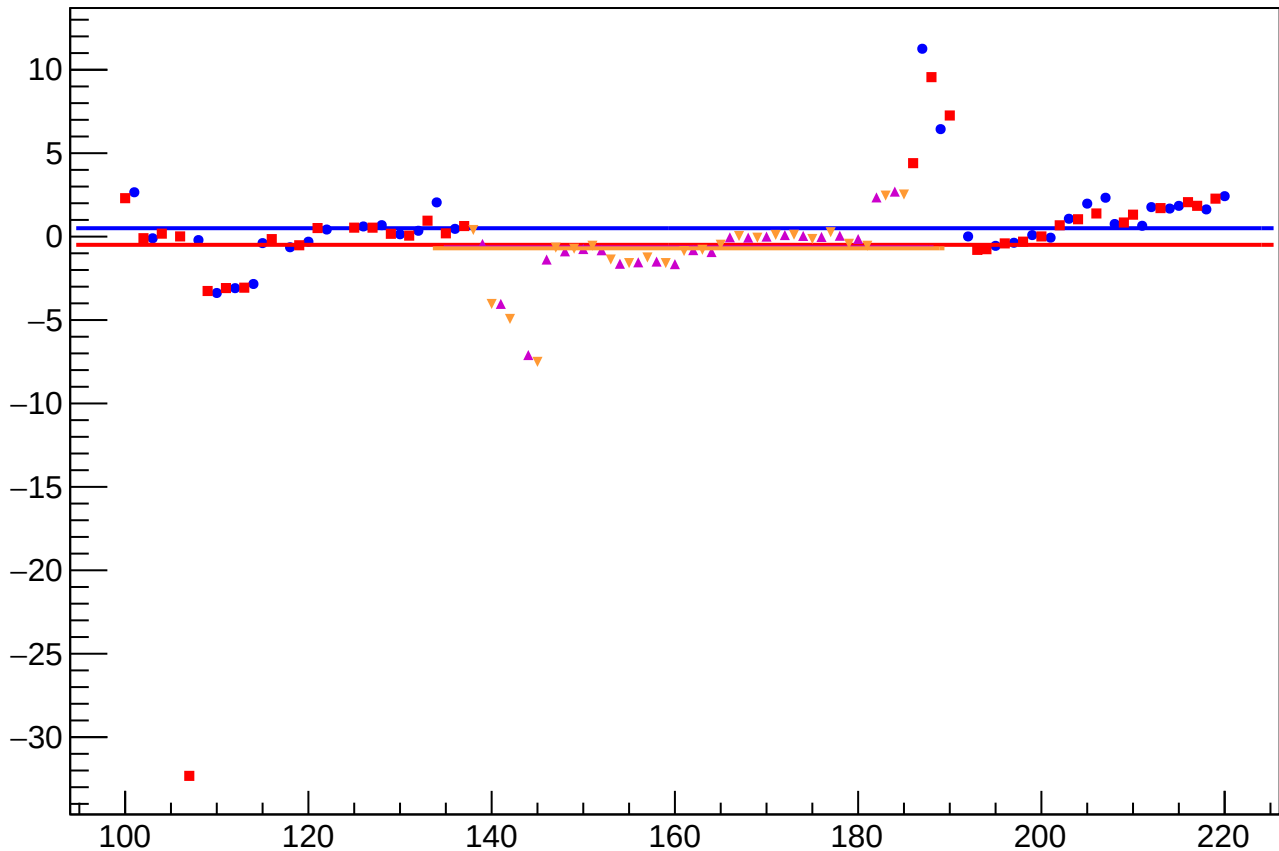
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -0.930 ± 0.150 χ^2/NDF : 1894.8/56

All: -0.938 ± 0.107 χ^2/NDF : 3532.5/114

- sign -0.946 ± 0.152 χ^2/NDF : 1637.7/57

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.503 ± 0.017 $\chi^2/\text{NDF}: 10430.3/32$

Left Out: -0.702 ± 0.008 $\chi^2/\text{NDF}: 53834.9/23$

Right Out: -0.492 ± 0.017 $\chi^2/\text{NDF}: 94725.6/34$

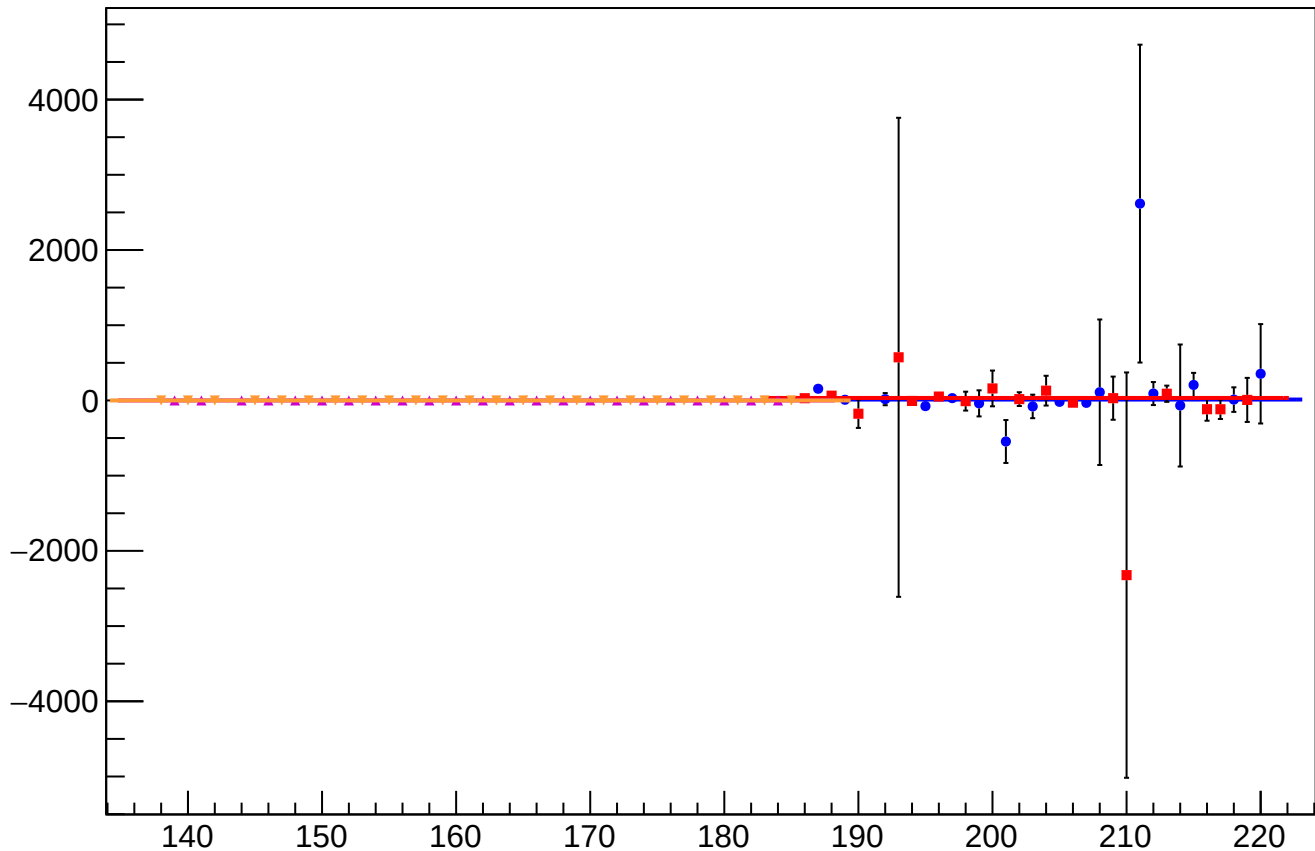
Left In: -0.644 ± 0.008 $\chi^2/\text{NDF}: 44169.2/22$

+ sign -0.500 ± 0.007 $\chi^2/\text{NDF}: 68436.1/56$

All: -0.559 ± 0.005 $\chi^2/\text{NDF}: 207541.2/114$

- sign -0.619 ± 0.007 $\chi^2/\text{NDF}: 138959.5/57$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 11.831 ± 15.003 χ^2/NDF : 23.0/16

Left Out: -0.037 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 32.944 ± 9.582 χ^2/NDF : 9.9/16

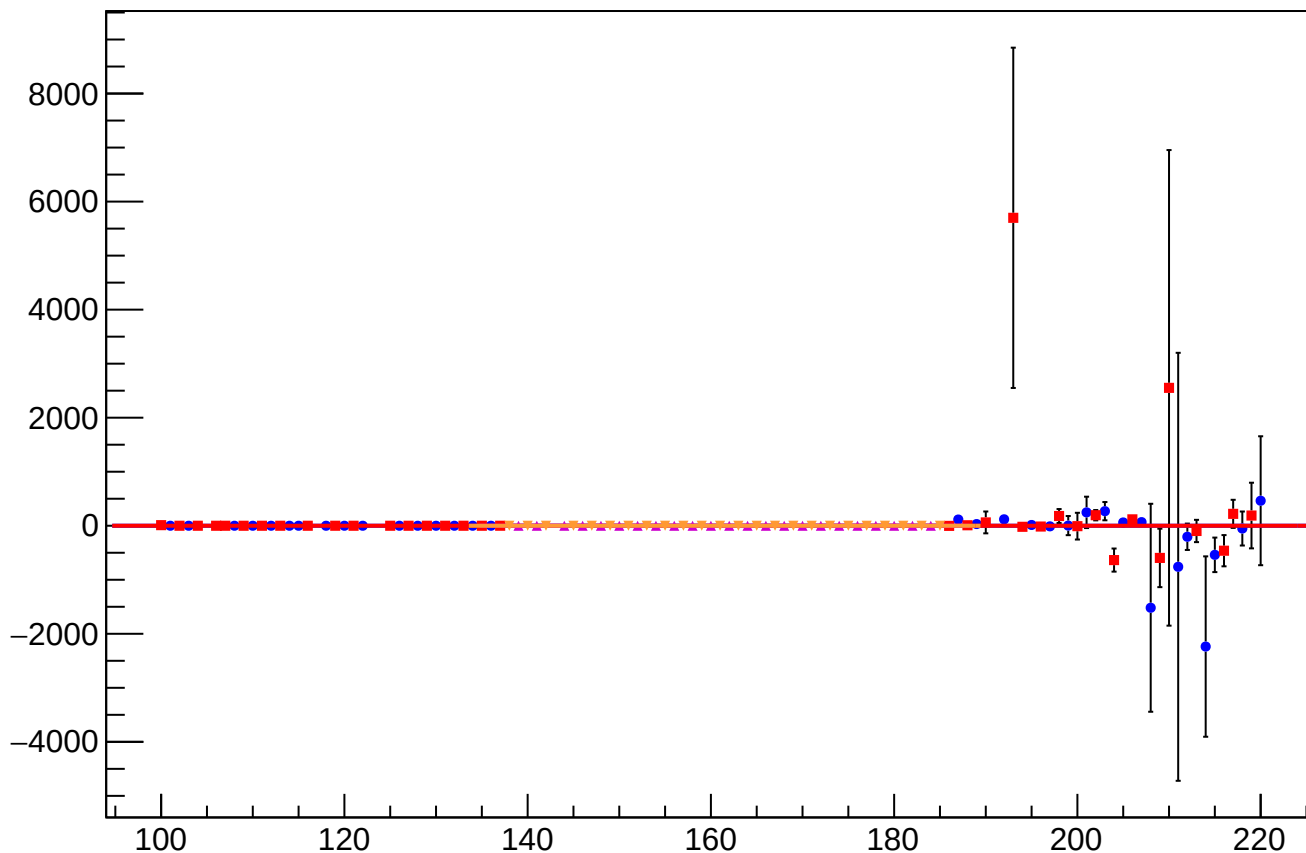
Left In: -0.010 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.037 ± 0.018 χ^2/NDF : 59.0/40

All: -0.024 ± 0.013 χ^2/NDF : 117.0/80

- sign -0.010 ± 0.018 χ^2/NDF : 56.9/39

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 29.7/32

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 39.9/34

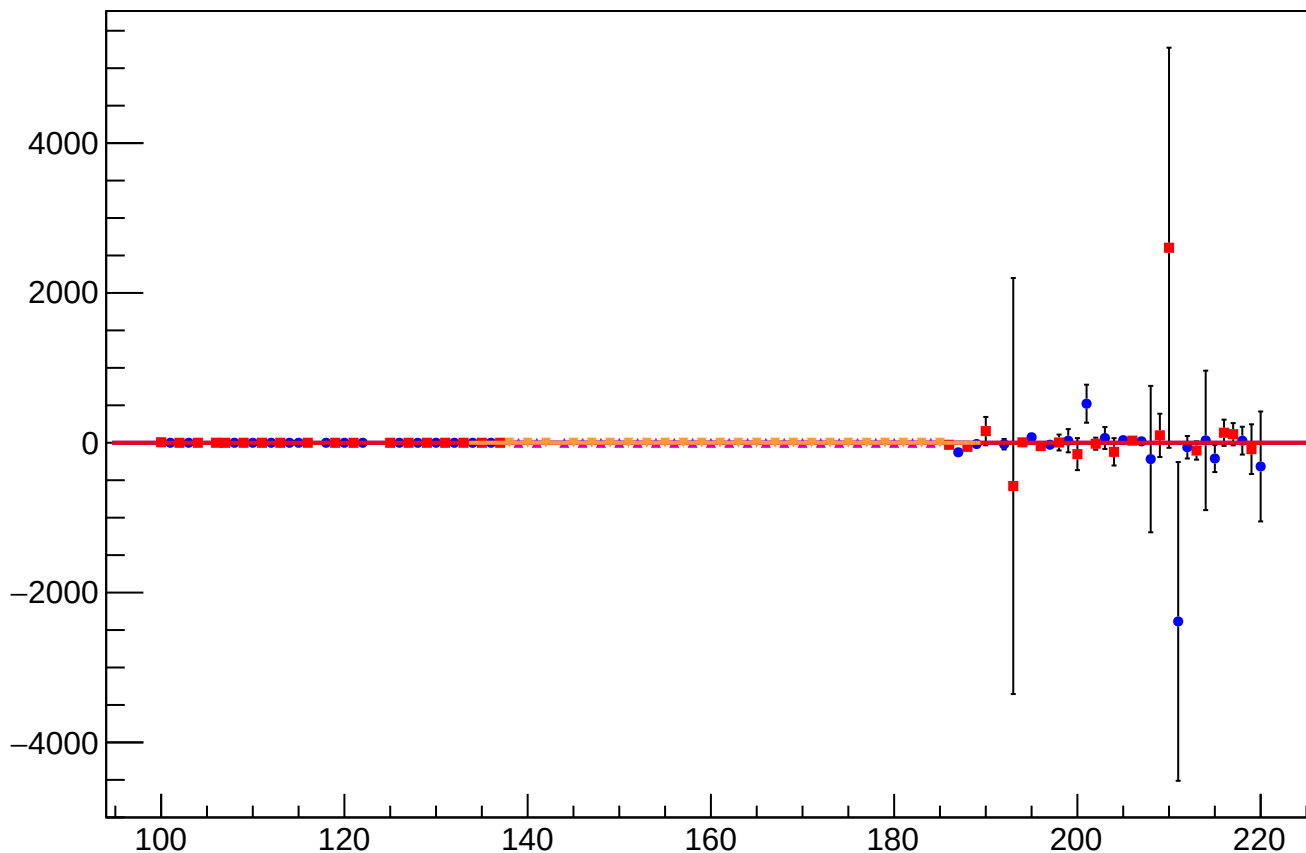
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 62.2/56

All: -0.063 ± 0.009 χ^2/NDF : 144.4/114

- sign -0.070 ± 0.012 χ^2/NDF : 81.7/57

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 33.2/32

Left Out: 0.035 $\pm$ 0.018 χ^2 /NDF: 32.2/23

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 33.7/34

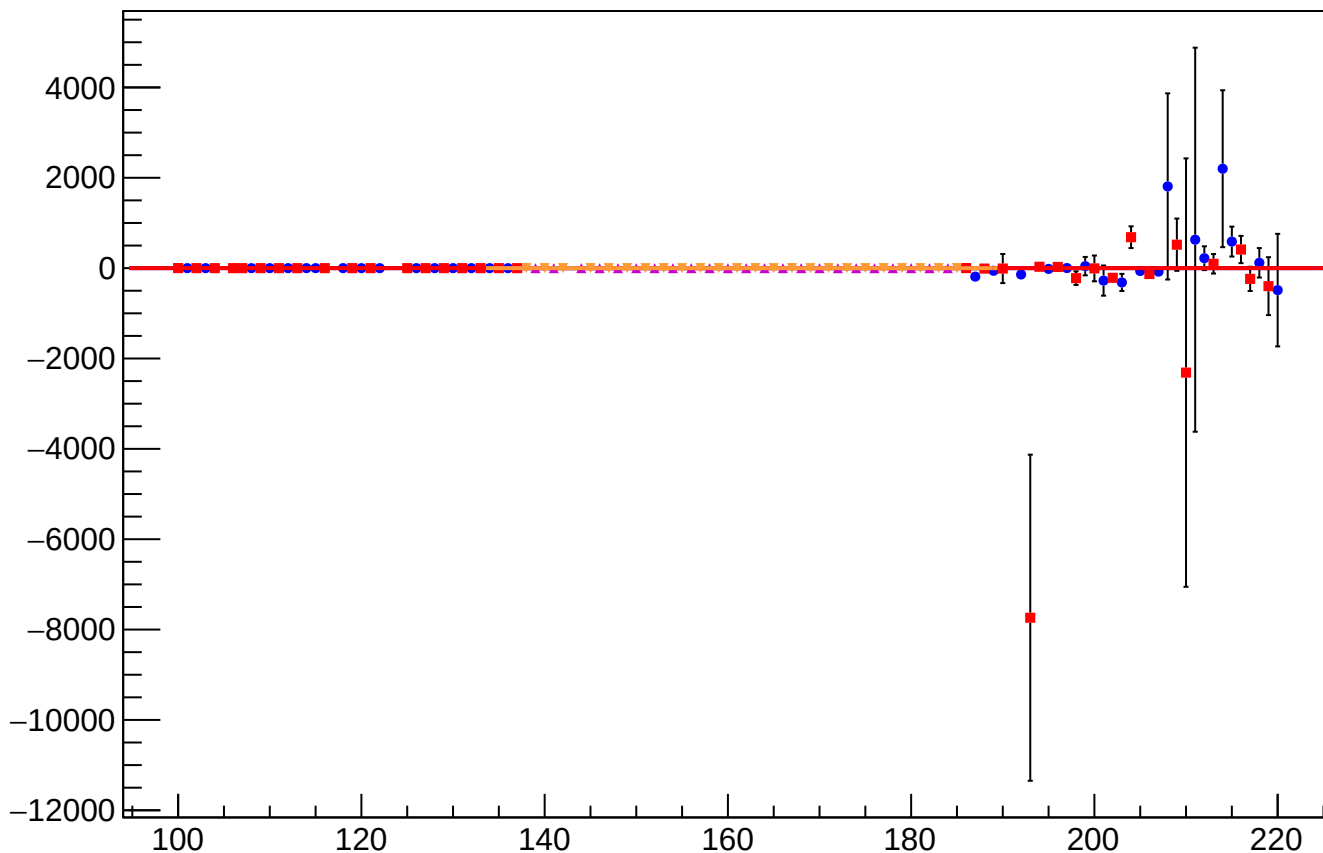
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF: 36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 65.5/56

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 139.0/114

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 71.2/57

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 31.2/32

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF: 27.7/23

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 35.0/34

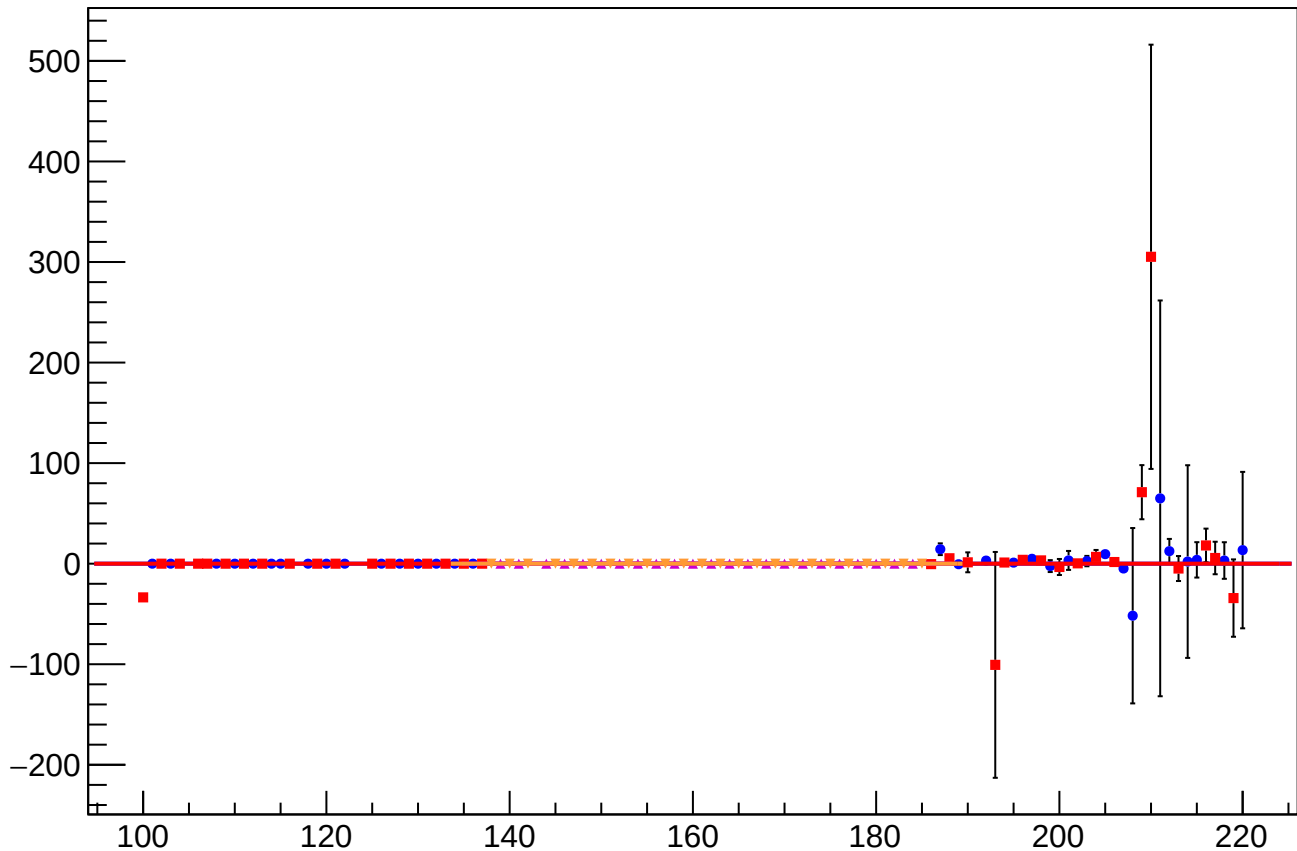
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF: 44.8/22

+ sign 0.066 $\pm$ 0.014 χ^2 /NDF: 65.0/56

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 146.4/114

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 81.0/57

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 47.9/32

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26532.9/34

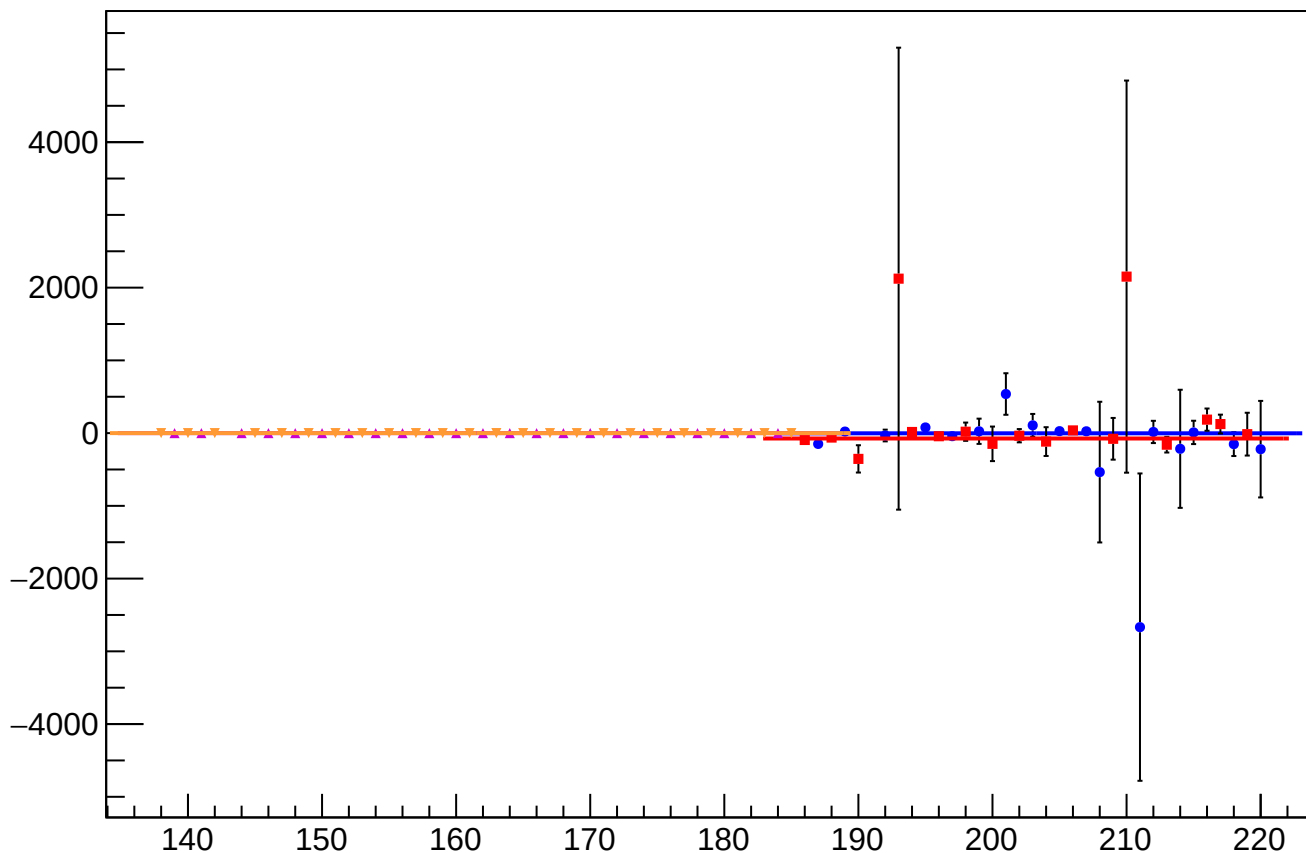
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 84.3/56

All: -0.001 ± 0.000 χ^2/NDF : 26653.5/114

- sign -0.001 ± 0.001 χ^2/NDF : 26569.1/57

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -2.544 ± 14.999 χ^2/NDF : 22.8/16

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -74.001 ± 9.584 χ^2/NDF : 21.9/16

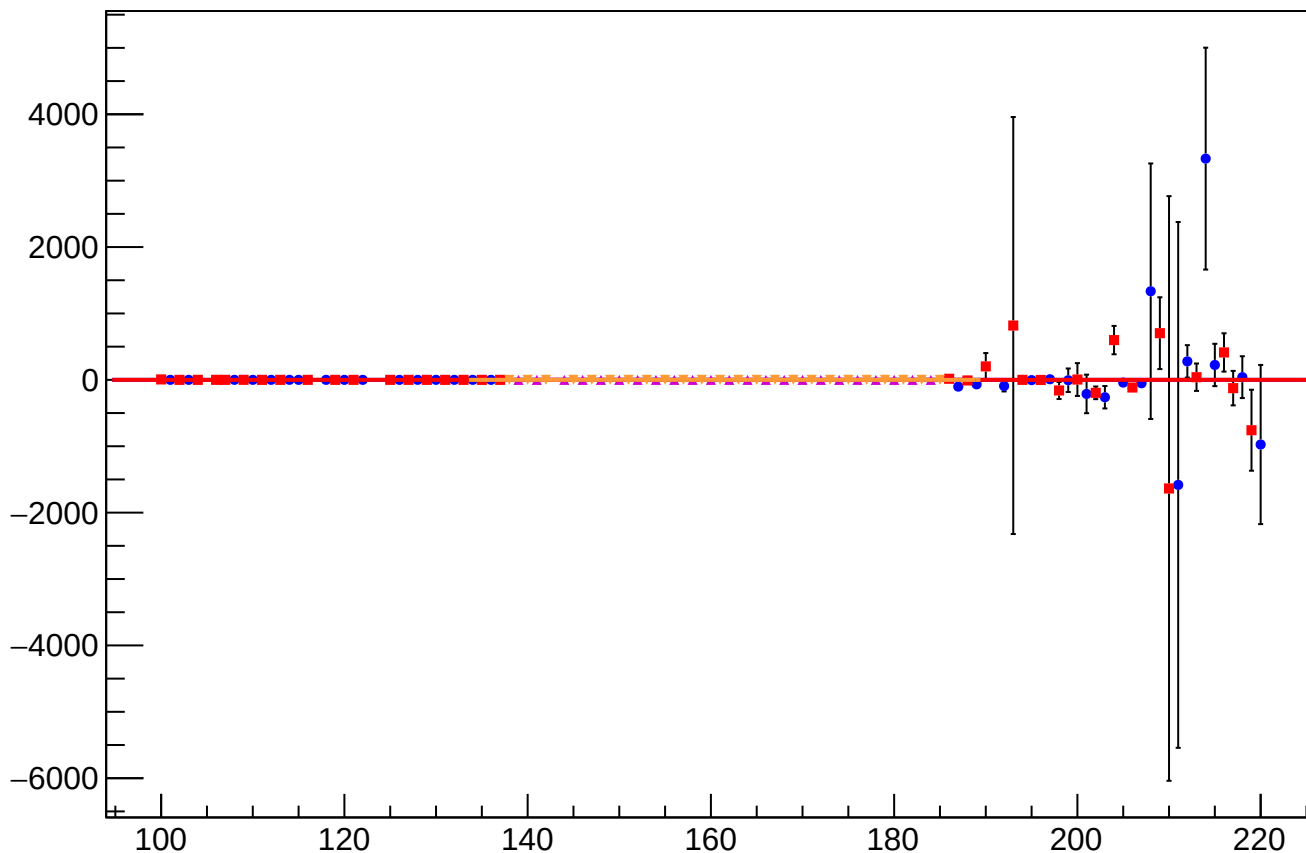
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 60.2/40

All: -0.031 ± 0.013 χ^2/NDF : 179.6/80

- sign -0.009 ± 0.018 χ^2/NDF : 116.6/39

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.007 ± 0.023 χ^2/NDF : 44.4/32

Left Out: -0.011 ± 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 ± 0.025 χ^2/NDF : 53.4/34

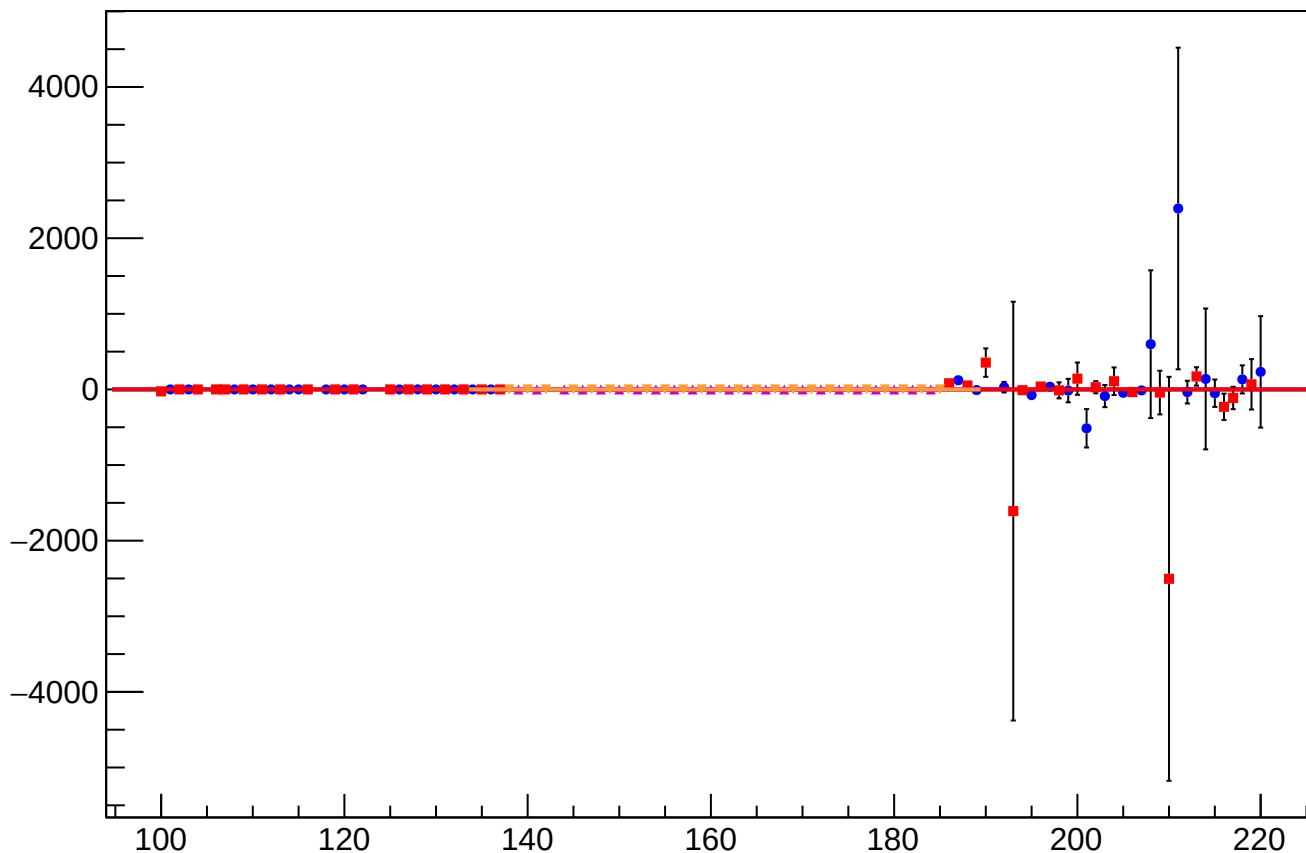
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 ± 0.012 χ^2/NDF : 74.4/56

All: 0.003 ± 0.009 χ^2/NDF : 179.7/114

- sign 0.013 ± 0.012 χ^2/NDF : 104.2/57

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157+/-0.043 χ^2/NDF : 52.6/32

Left Out: 0.048+/-0.018 χ^2/NDF : 35.4/23

Right Out: 0.197+/-0.045 χ^2/NDF : 113.9/34

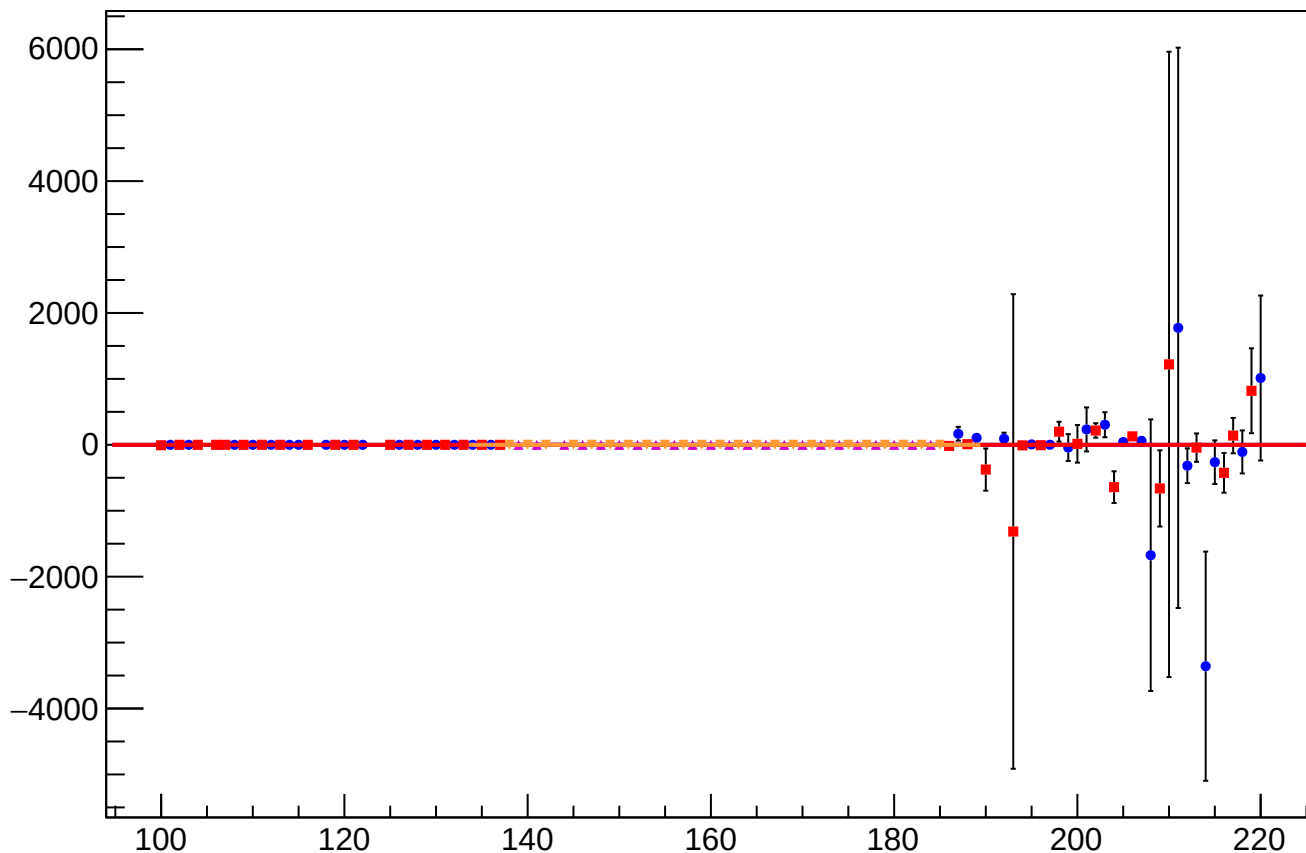
Left In: 0.020+/-0.018 χ^2/NDF : 35.8/22

+ sign 0.064+/-0.017 χ^2/NDF : 93.4/56

All: 0.054+/-0.012 χ^2/NDF : 257.2/114

- sign 0.044+/-0.017 χ^2/NDF : 163.0/57

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 44.2/32

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 49.9/34

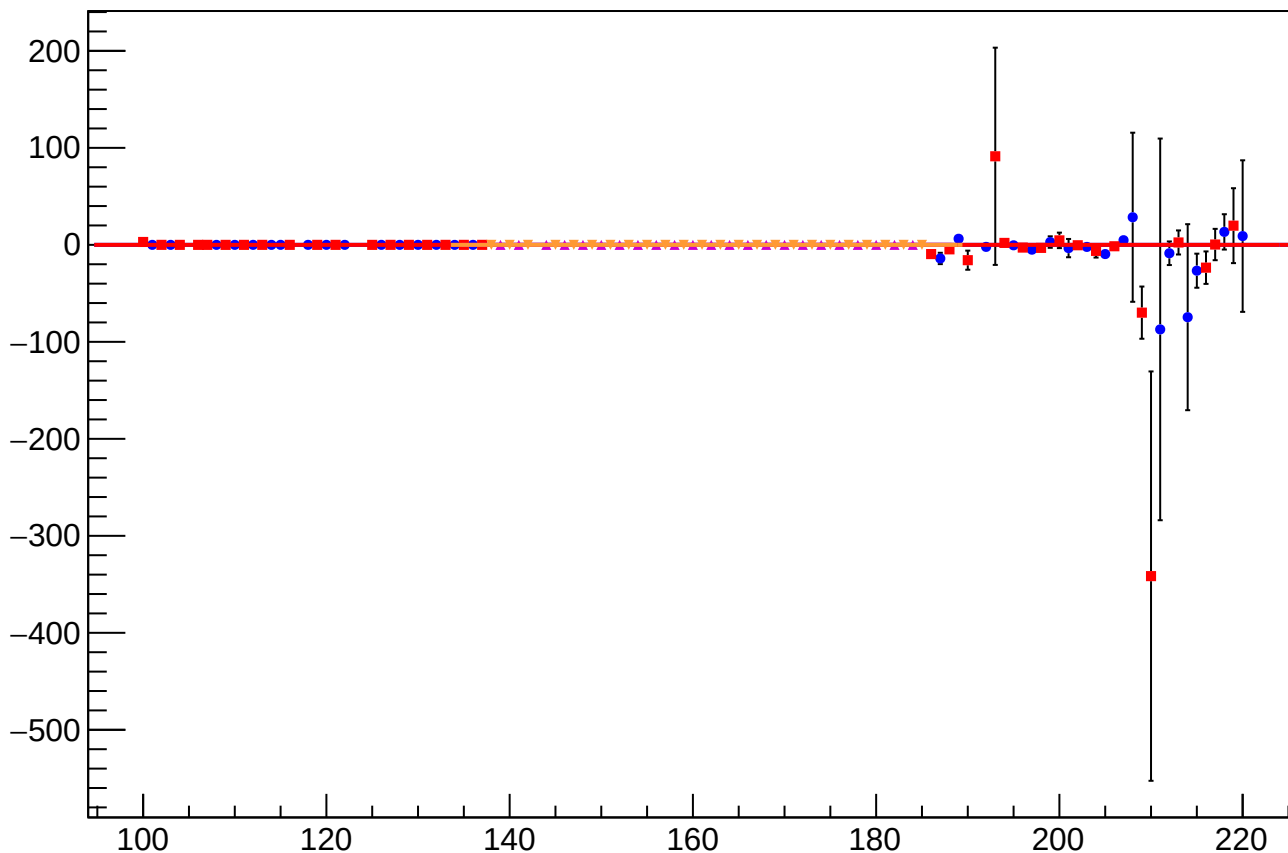
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 78.5/56

All: 0.004 ± 0.010 χ^2/NDF : 182.2/114

- sign -0.007 ± 0.014 χ^2/NDF : 102.6/57

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 61.9/32

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:32.0/23

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 226.5/34

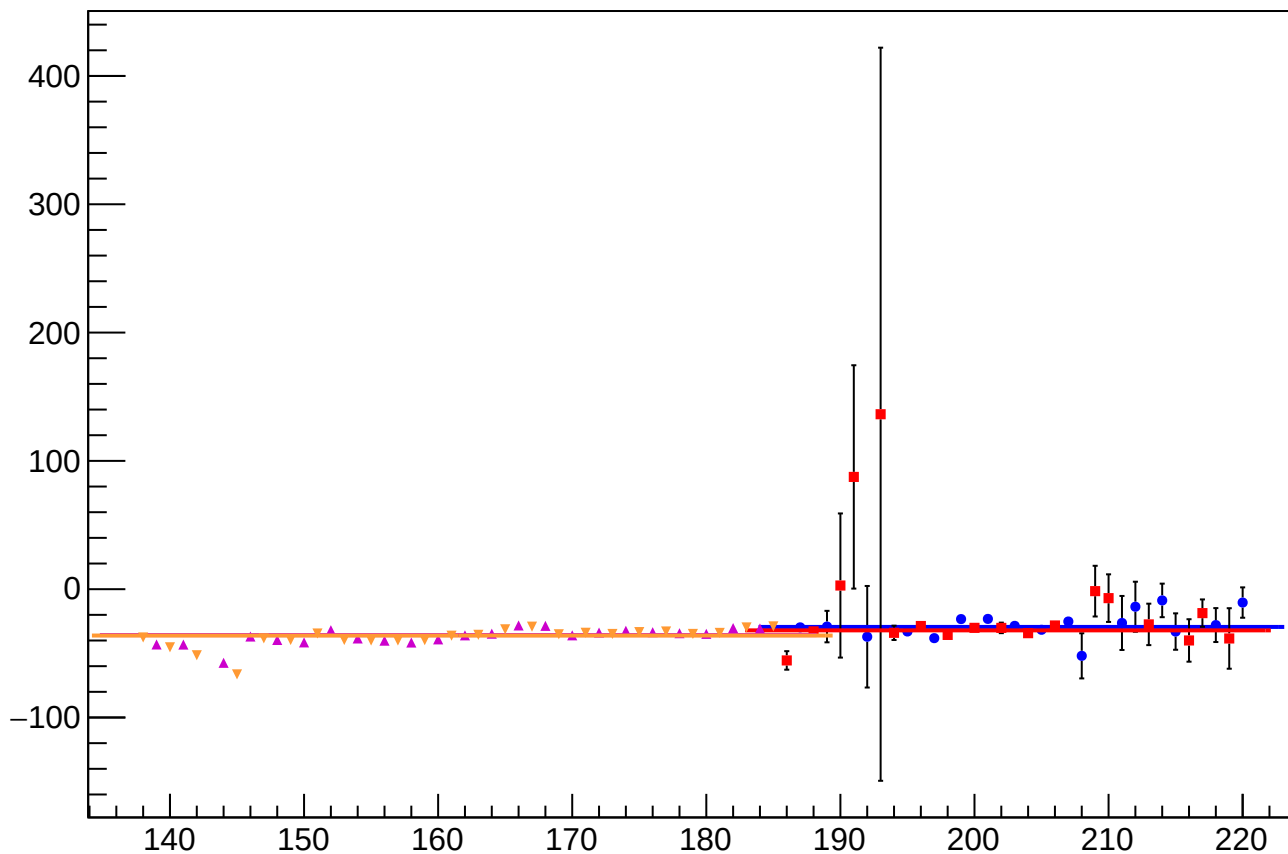
Left In: -0.009 $\pm$ 0.001 χ^2 /NDF:37.2/22

+ sign -0.008 $\pm$ 0.001 χ^2 /NDF: 95.6/56

All: -0.008 $\pm$ 0.000 χ^2 /NDF: 362.4/114

- sign -0.008 $\pm$ 0.001 χ^2 /NDF: 266.7/57

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.411 ± 0.849 χ^2/NDF : 31.6/16

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -32.092 ± 0.802 χ^2/NDF : 27.0/17

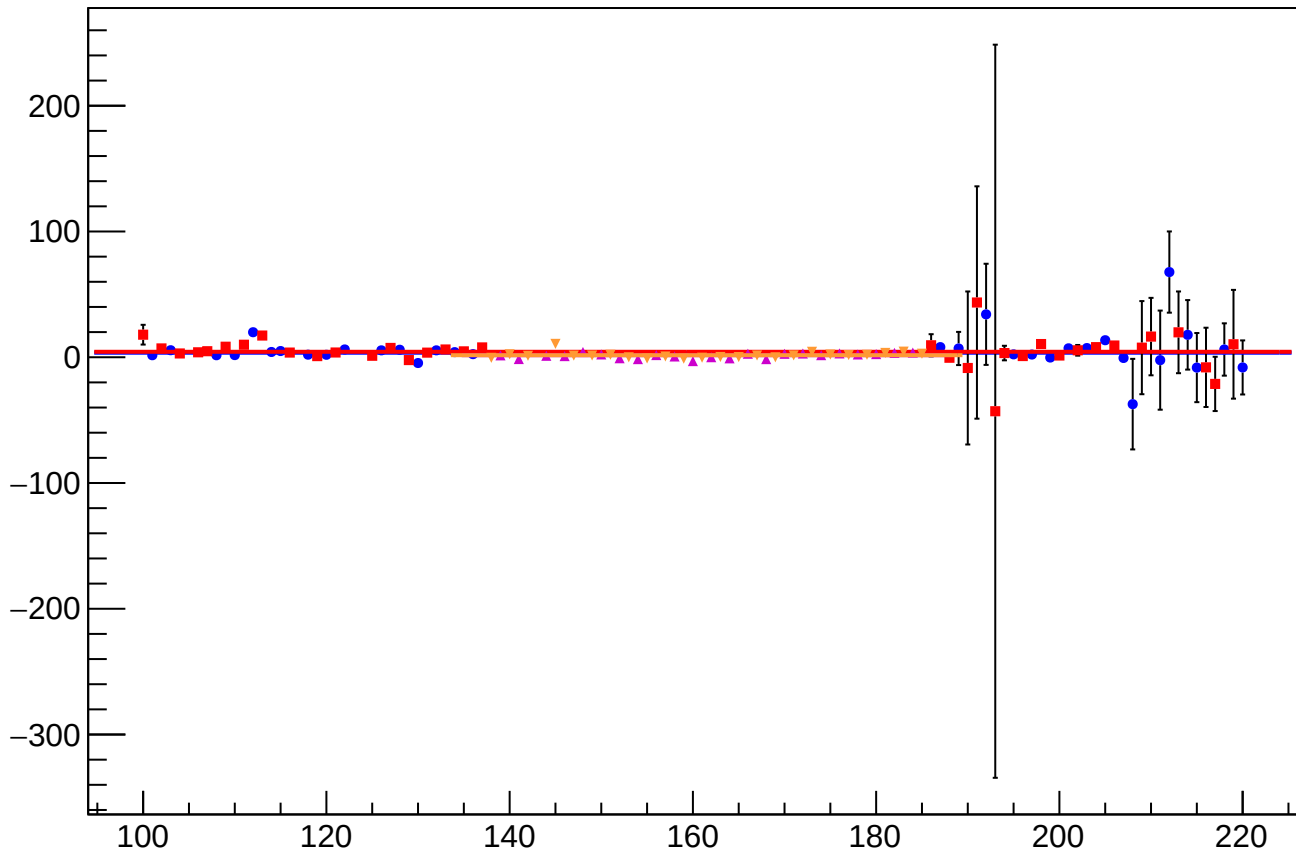
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.794 ± 0.187 χ^2/NDF : 1205.9/40

All: -35.687 ± 0.132 χ^2/NDF : 2107.6/81

- sign -35.581 ± 0.186 χ^2/NDF : 901.1/40

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.602 ± 0.217 χ^2/NDF : 462.9/32

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.347 ± 0.221 χ^2/NDF : 370.9/35

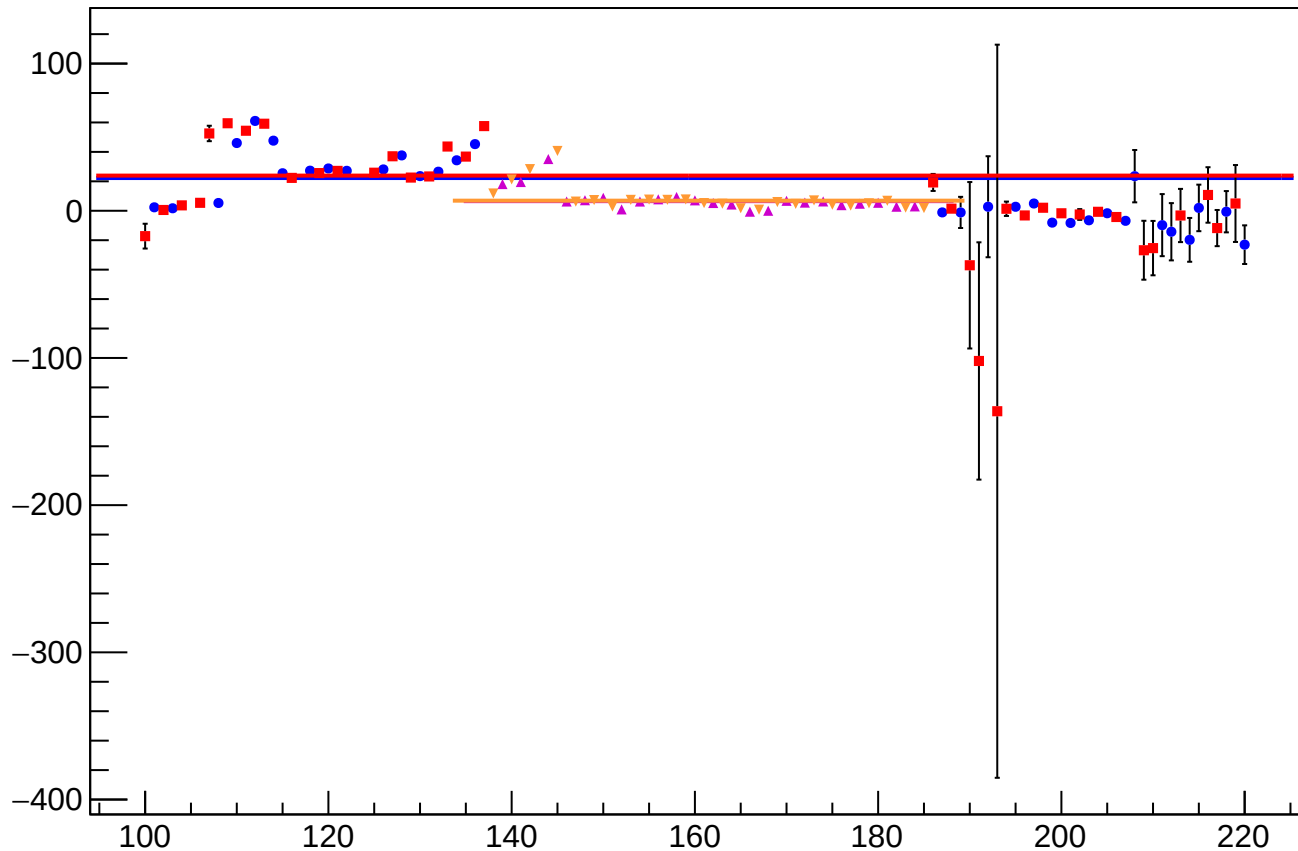
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.259 ± 0.122 χ^2/NDF : 685.7/56

All: 2.374 ± 0.087 χ^2/NDF : 1324.8/115

- sign 2.493 ± 0.124 χ^2/NDF : 637.3/58

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 22.236 $\pm$ 0.369 χ^2 /NDF: 2836.2/32

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF: 1295.7/23

Right Out: 23.896 $\pm$ 0.361 χ^2 /NDF: 3308.9/35

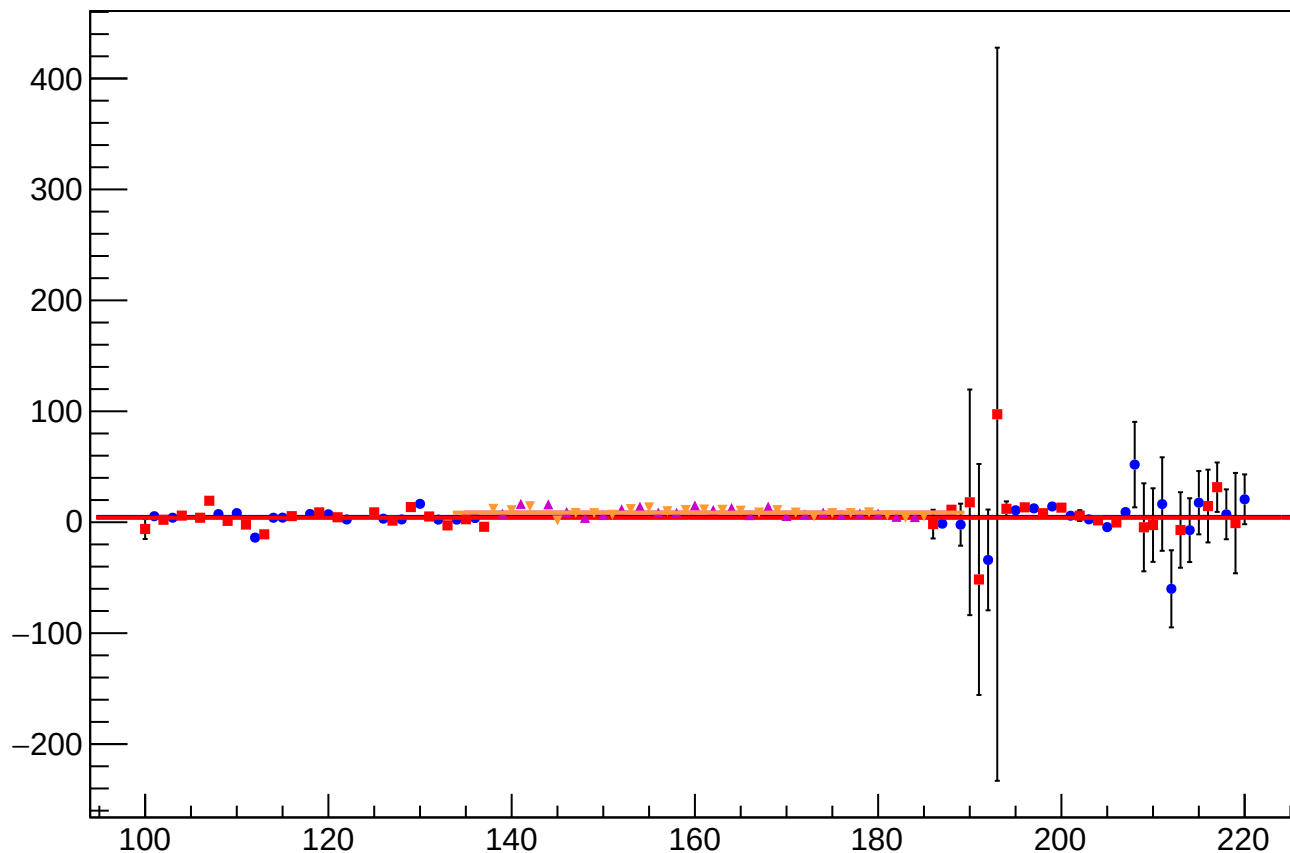
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.119 $\pm$ 0.170 χ^2 /NDF: 5496.9/56

All: 10.214 $\pm$ 0.120 χ^2 /NDF: 11637.6/115

- sign 10.307 $\pm$ 0.168 χ^2 /NDF: 6140.1/58

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.807 ± 0.250 χ^2/NDF : 577.1/32

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.940 ± 0.254 χ^2/NDF : 590.9/35

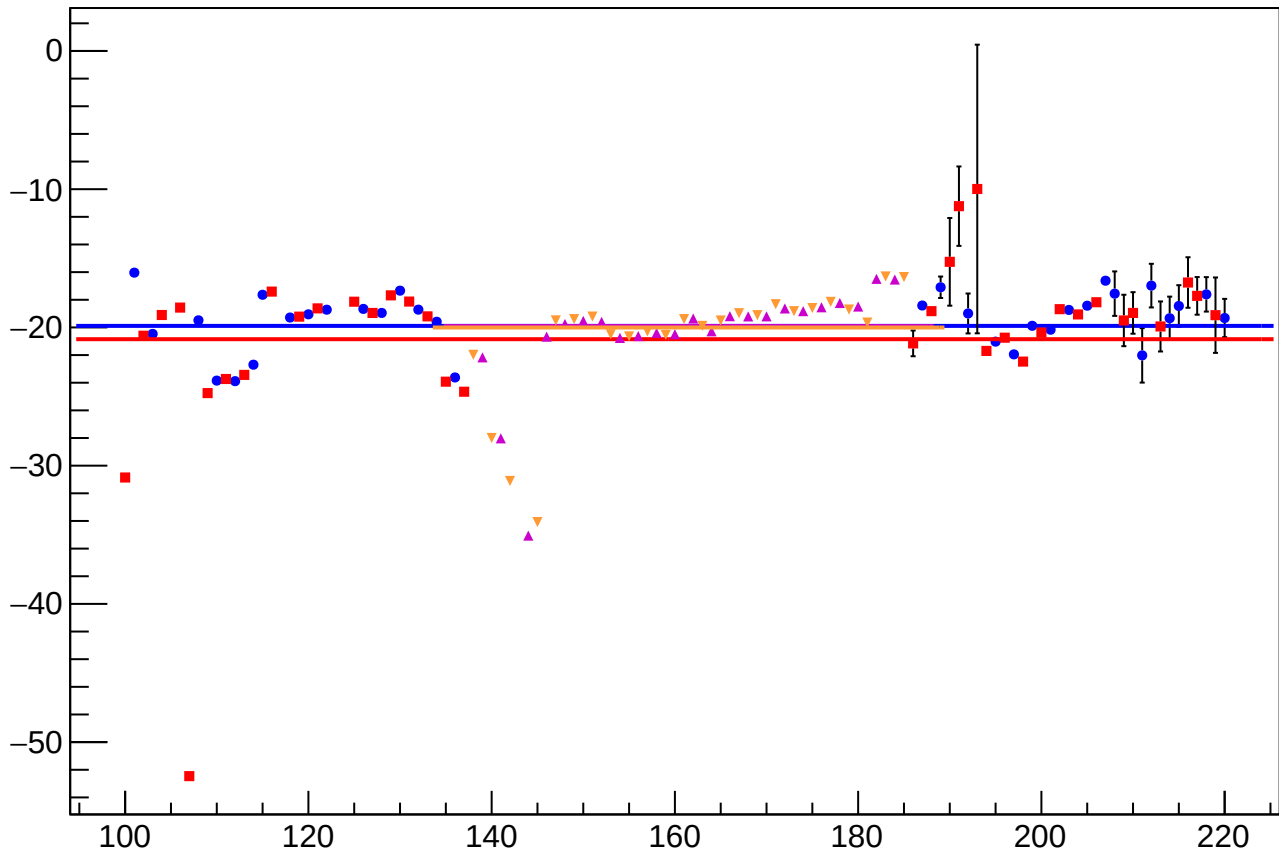
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.475 ± 0.140 χ^2/NDF : 984.2/56

All: 7.342 ± 0.099 χ^2/NDF : 2252.5/115

- sign 7.206 ± 0.141 χ^2/NDF : 1266.4/58

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.889 ± 0.015 χ^2/NDF : 27152.2/32

Left Out: -20.006 ± 0.008 χ^2/NDF : 171763.9/23

Right Out: -20.851 ± 0.015 χ^2/NDF : 95251.3/35

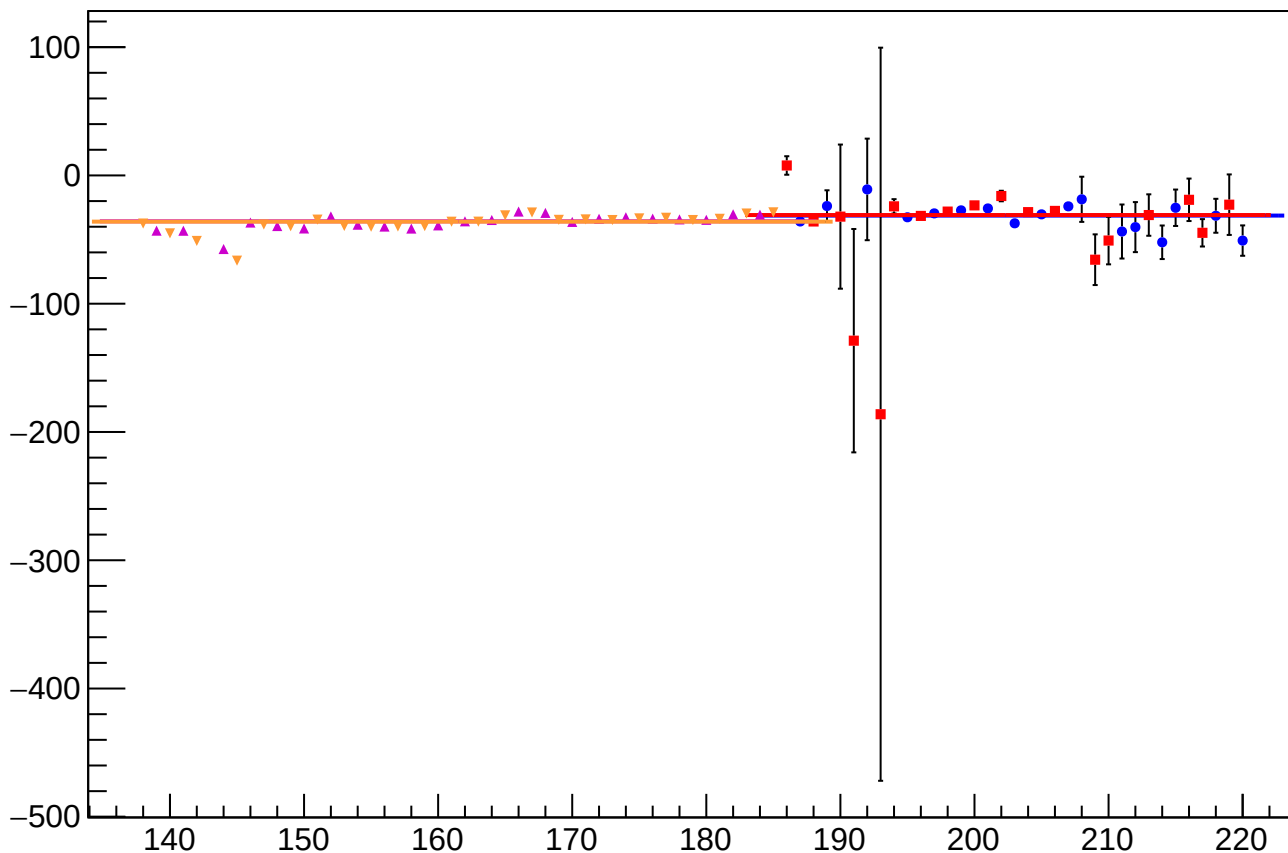
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.980 ± 0.007 χ^2/NDF : 198964.5/56

All: -20.042 ± 0.005 χ^2/NDF : 441758.6/115

- sign -20.104 ± 0.007 χ^2/NDF : 242634.8/58

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.300 ± 0.852 χ^2/NDF : 34.1/16

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -30.894 ± 0.804 χ^2/NDF : 78.5/17

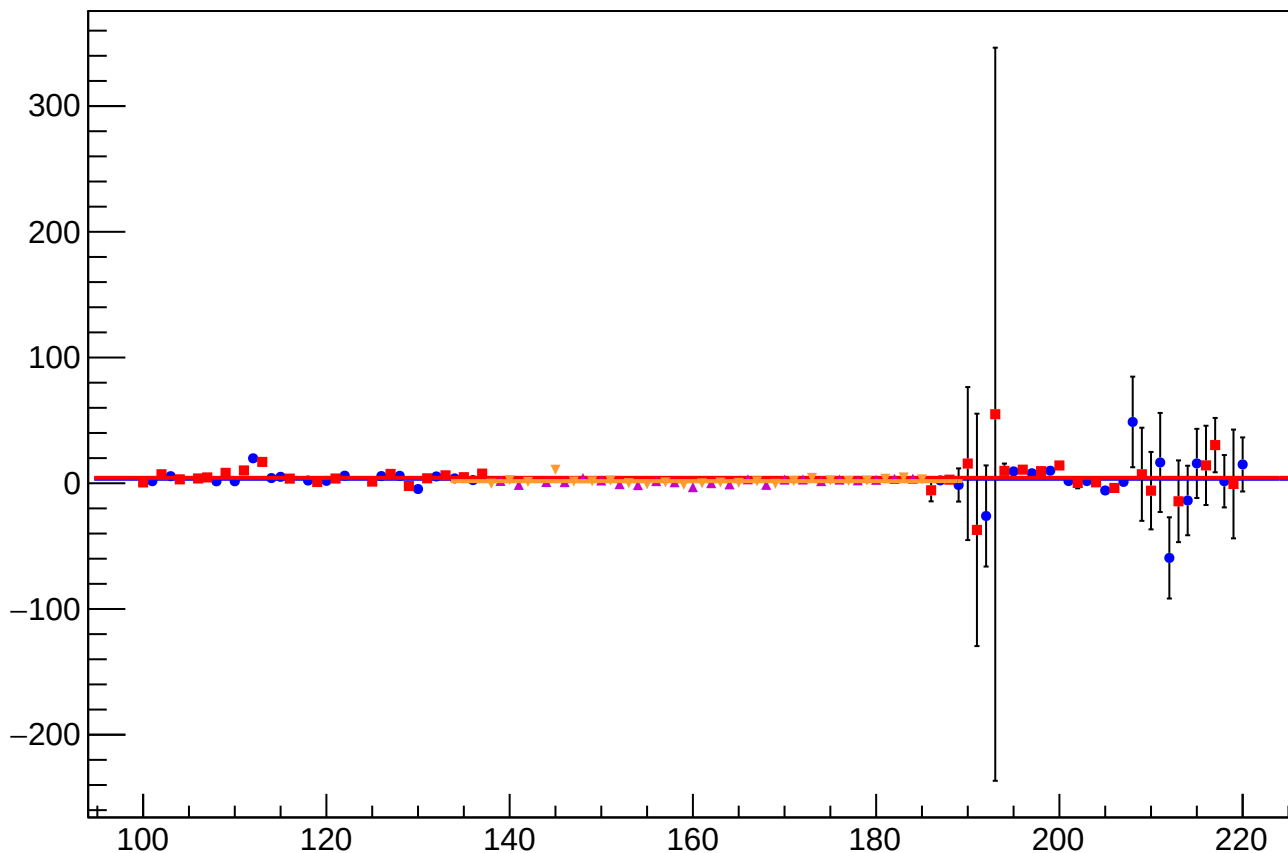
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.802 ± 0.187 χ^2/NDF : 1184.7/40

All: -35.653 ± 0.132 χ^2/NDF : 2141.8/81

- sign -35.506 ± 0.186 χ^2/NDF : 955.8/40

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.568 ± 0.217 χ^2/NDF : 462.4/32

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.323 ± 0.217 χ^2/NDF : 380.3/35

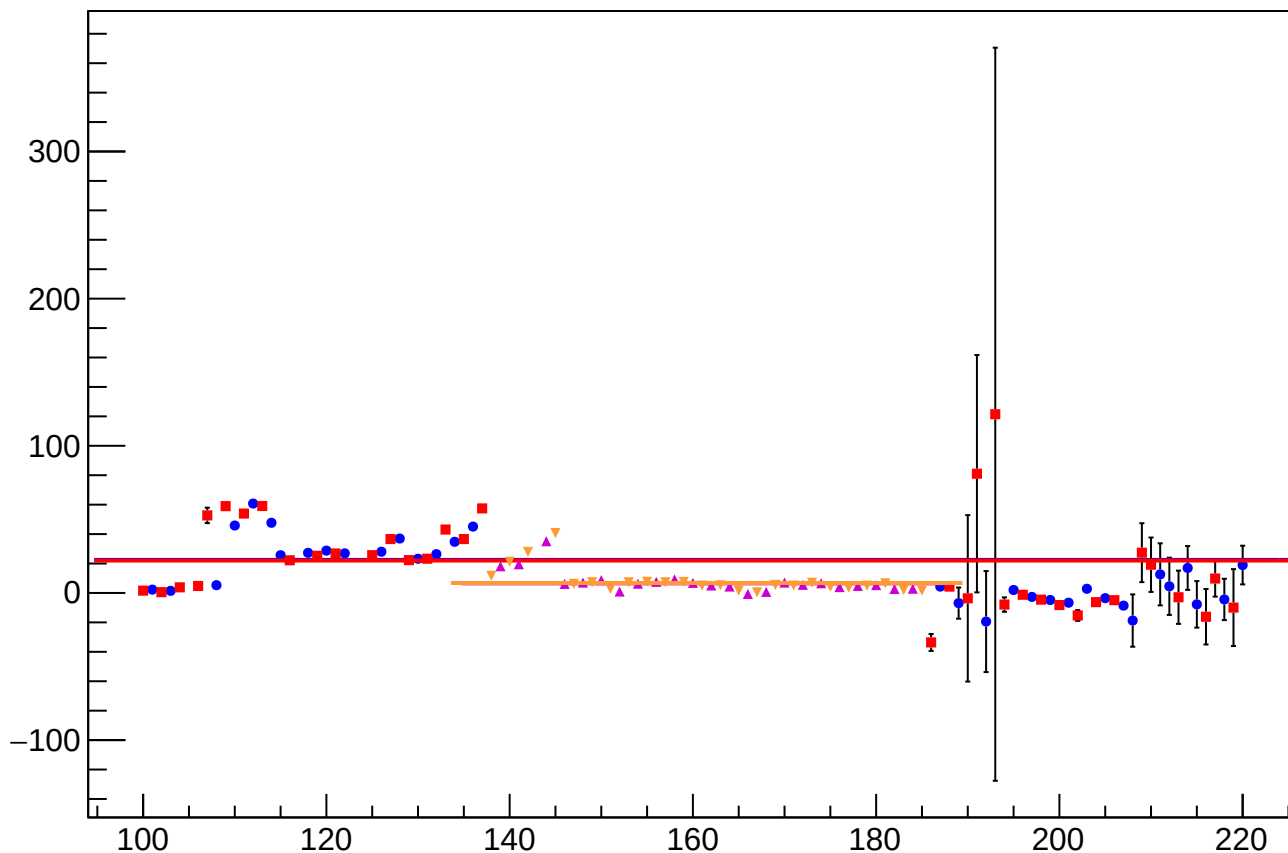
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.309 ± 0.122 χ^2/NDF : 680.0/56

All: 2.427 ± 0.087 χ^2/NDF : 1323.9/115

- sign 2.547 ± 0.123 χ^2/NDF : 642.0/58

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 22.442 ± 0.369 χ^2/NDF : 2708.2/32

Left Out: 6.779 ± 0.191 χ^2/NDF : 1297.7/23

Right Out: 22.025 ± 0.349 χ^2/NDF : 3667.8/35

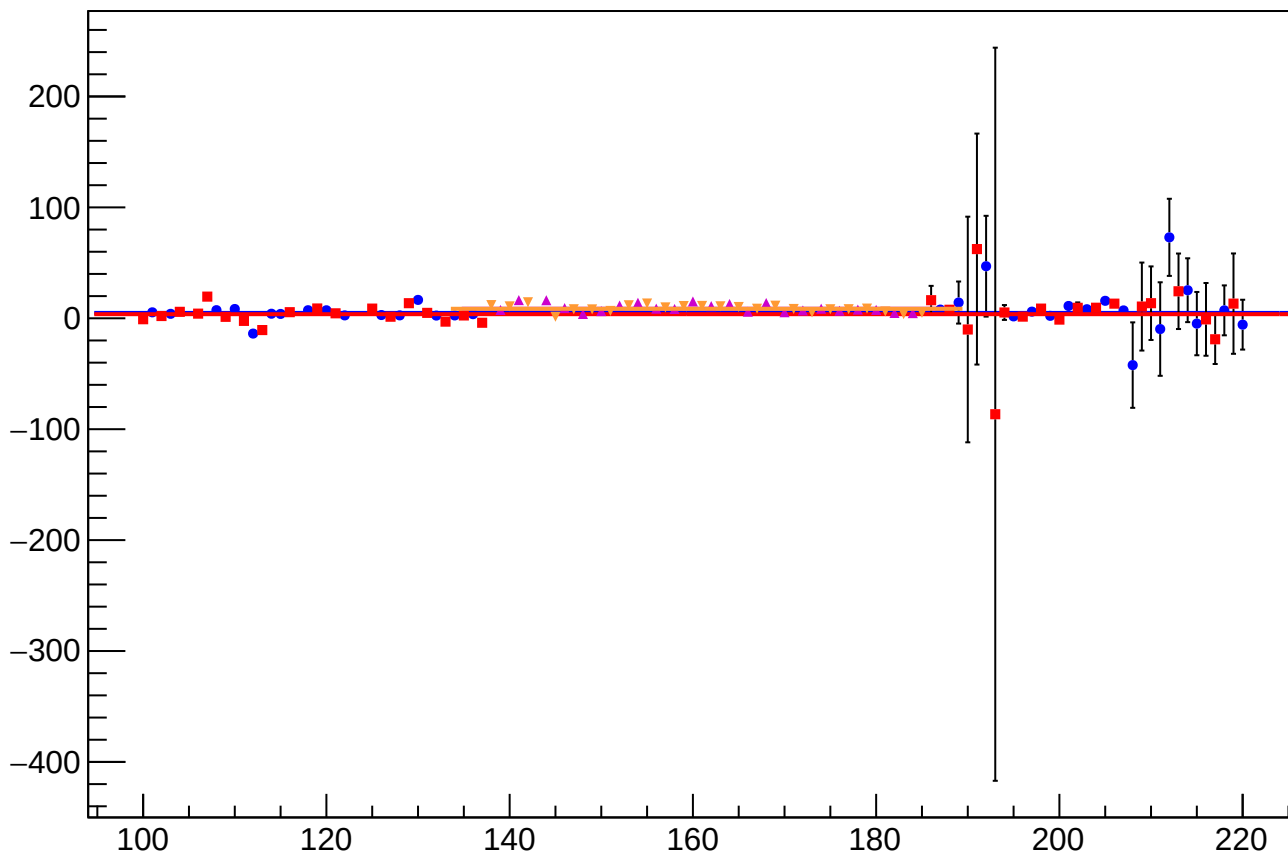
Left In: 6.532 ± 0.190 χ^2/NDF : 1018.2/22

+ sign 10.090 ± 0.170 χ^2/NDF : 5423.5/56

All: 10.089 ± 0.119 χ^2/NDF : 11630.9/115

- sign 10.088 ± 0.167 χ^2/NDF : 6207.4/58

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.848 ± 0.250 χ^2/NDF : 565.2/32

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.697 ± 0.250 χ^2/NDF : 590.5/35

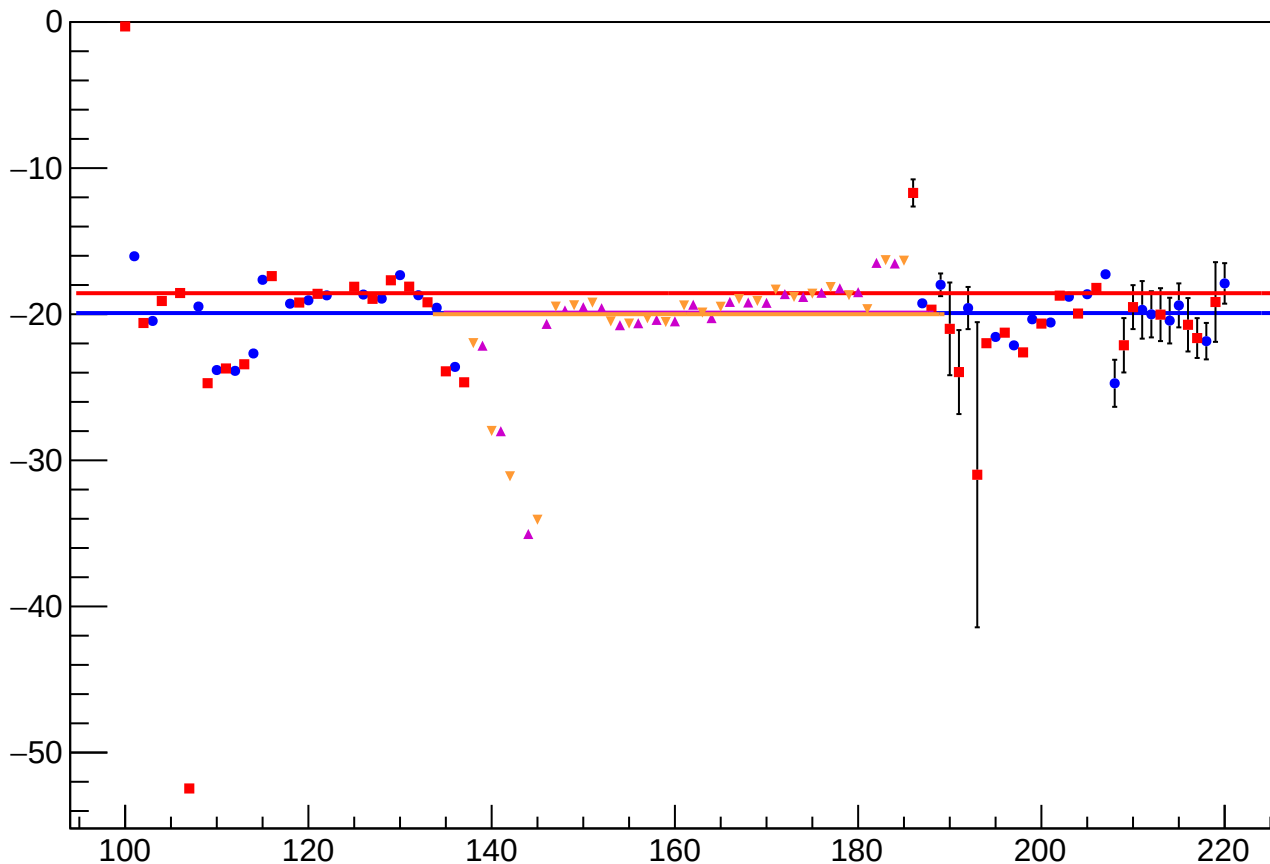
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.413 ± 0.140 χ^2/NDF : 964.3/56

All: 7.227 ± 0.099 χ^2/NDF : 2261.4/115

- sign 7.039 ± 0.141 χ^2/NDF : 1293.5/58

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.920 ± 0.015 χ^2/NDF : 27101.9/32

Left Out: -19.998 ± 0.008 χ^2/NDF : 171944.6/23

Right Out: -18.560 ± 0.014 χ^2/NDF : 303735.3/35

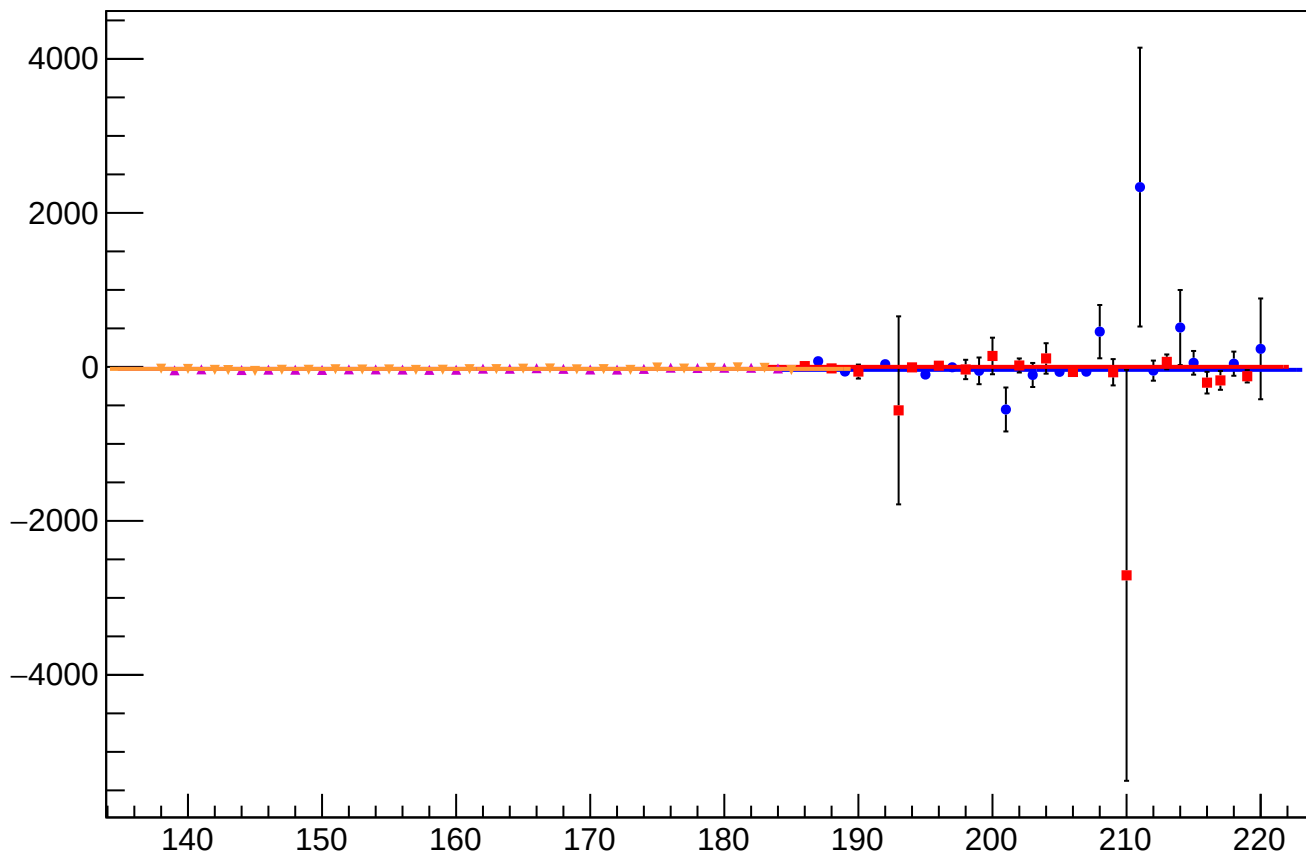
Left In: -19.890 ± 0.008 χ^2/NDF : 144055.2/22

+ sign -19.981 ± 0.007 χ^2/NDF : 199068.2/56

All: -19.775 ± 0.005 χ^2/NDF : 655380.2/115

- sign -19.576 ± 0.007 χ^2/NDF : 454596.3/58

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -38.268 $\pm$ 12.888 χ^2/NDF : 21.8/16

Left Out: -25.884 $\pm$ 0.192 χ^2/NDF : 4158.0/24

Right Out: 0.535 $\pm$ 8.012 χ^2/NDF : 13.8/16

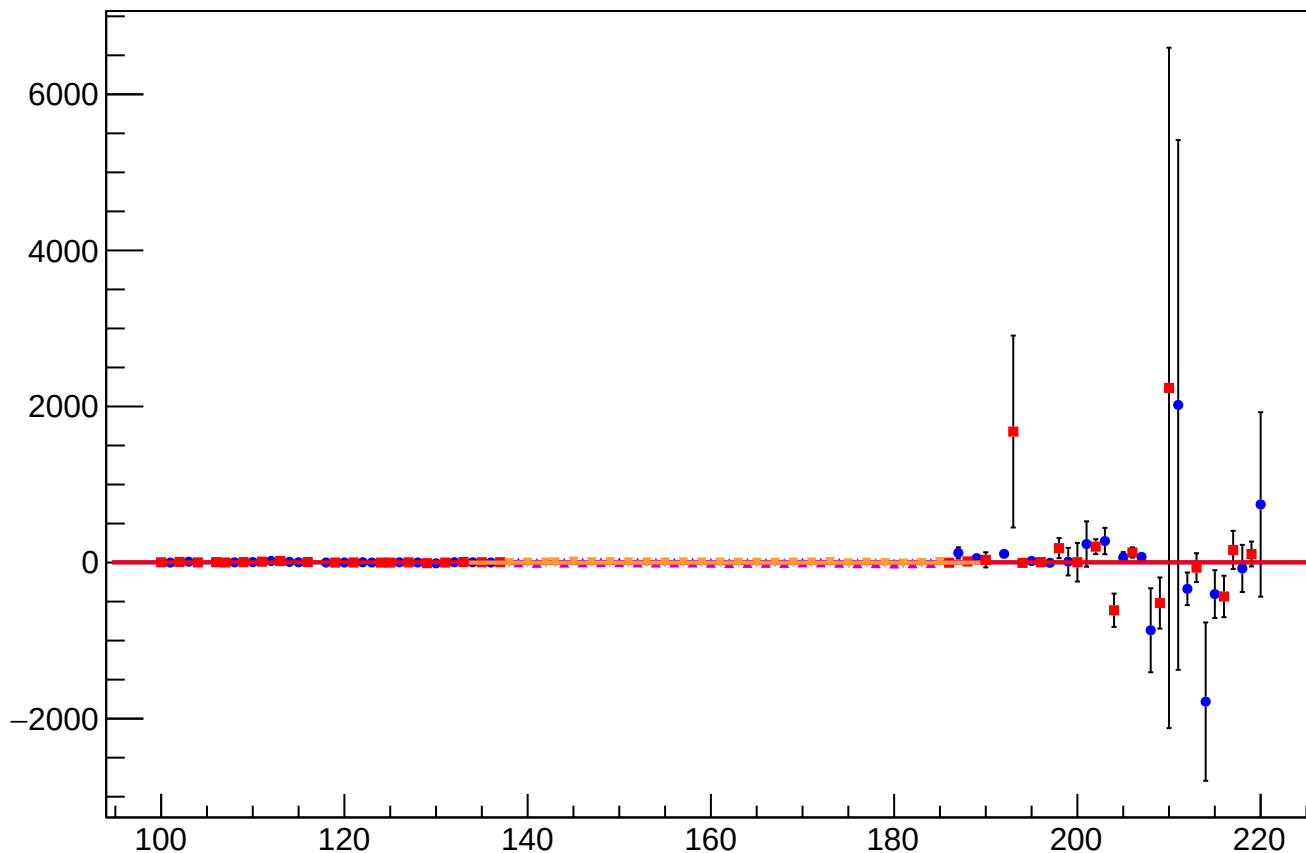
Left In: -26.052 $\pm$ 0.195 χ^2/NDF : 3279.5/22

+ sign -25.887 $\pm$ 0.192 χ^2/NDF : 4180.7/41

All: -25.961 $\pm$ 0.137 χ^2/NDF : 7485.3/81

- sign -26.036 $\pm$ 0.195 χ^2/NDF : 3304.3/39

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.475+/-0.315 χ^2/NDF : 324.5/33

Left Out: -0.654+/-0.146 χ^2/NDF : 1320.8/24

Right Out: 3.715+/-0.327 χ^2/NDF : 296.2/35

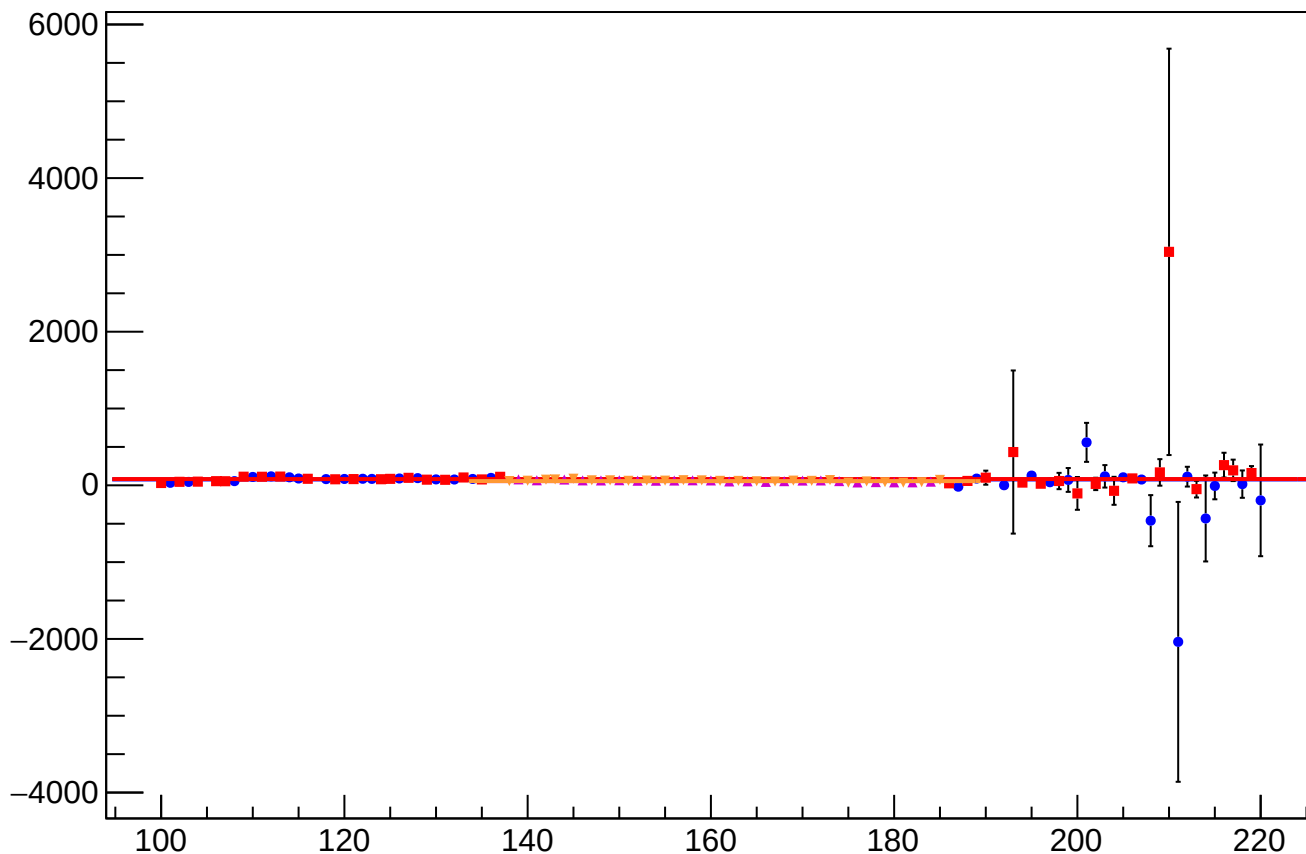
Left In: -0.863+/-0.150 χ^2/NDF : 1066.5/22

+ sign -0.099+/-0.133 χ^2/NDF : 1726.6/58

All: -0.081+/-0.095 χ^2/NDF : 3251.6/117

- sign -0.062+/-0.137 χ^2/NDF : 1524.9/58

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.530 $\pm$ 0.576 χ^2 /NDF: 2274.7/33

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.495 $\pm$ 0.590 χ^2 /NDF: 1638.3/35

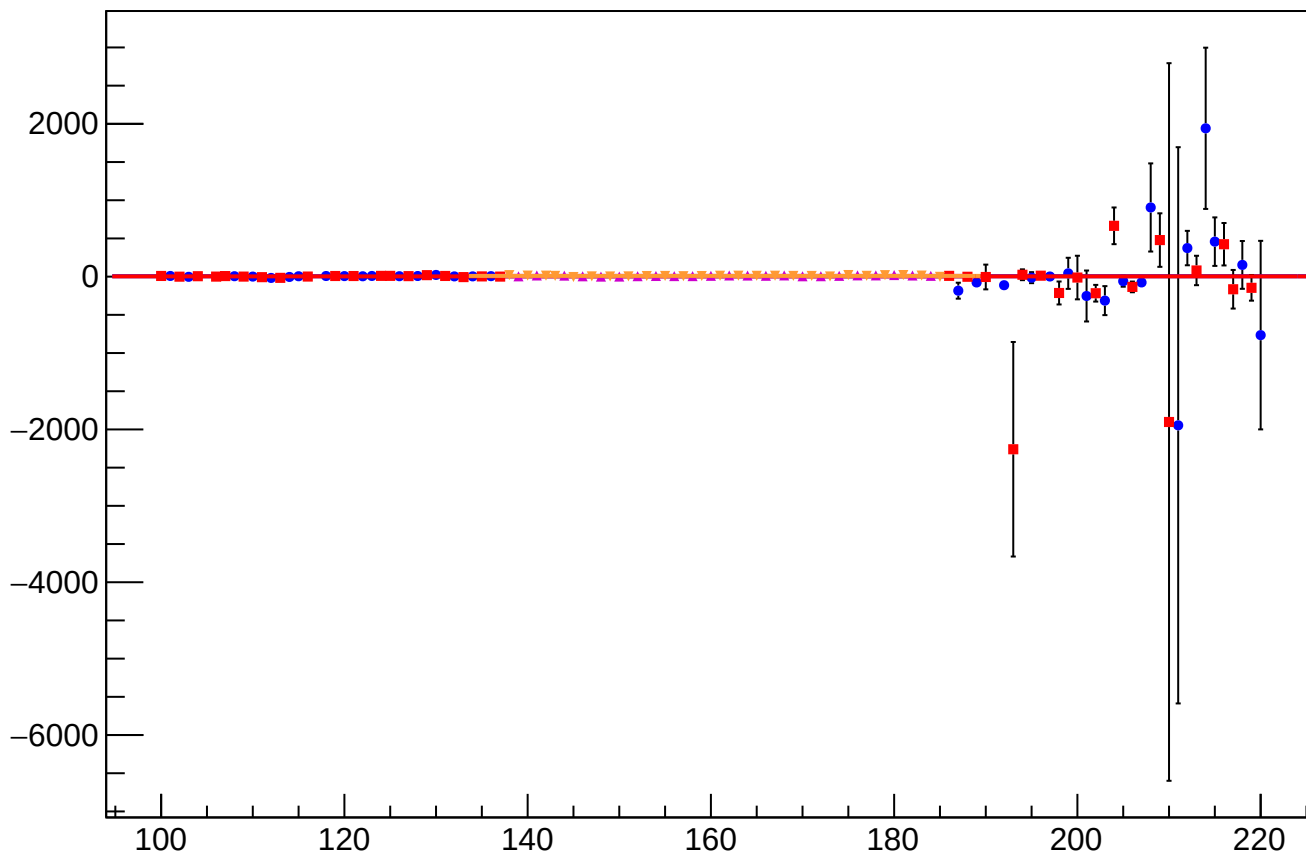
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8100.1/58

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15252.2/117

- sign 57.632 $\pm$ 0.184 χ^2 /NDF: 7149.7/58

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.408 ± 0.361 χ^2/NDF : 416.1/33

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.580 ± 0.375 χ^2/NDF : 447.8/35

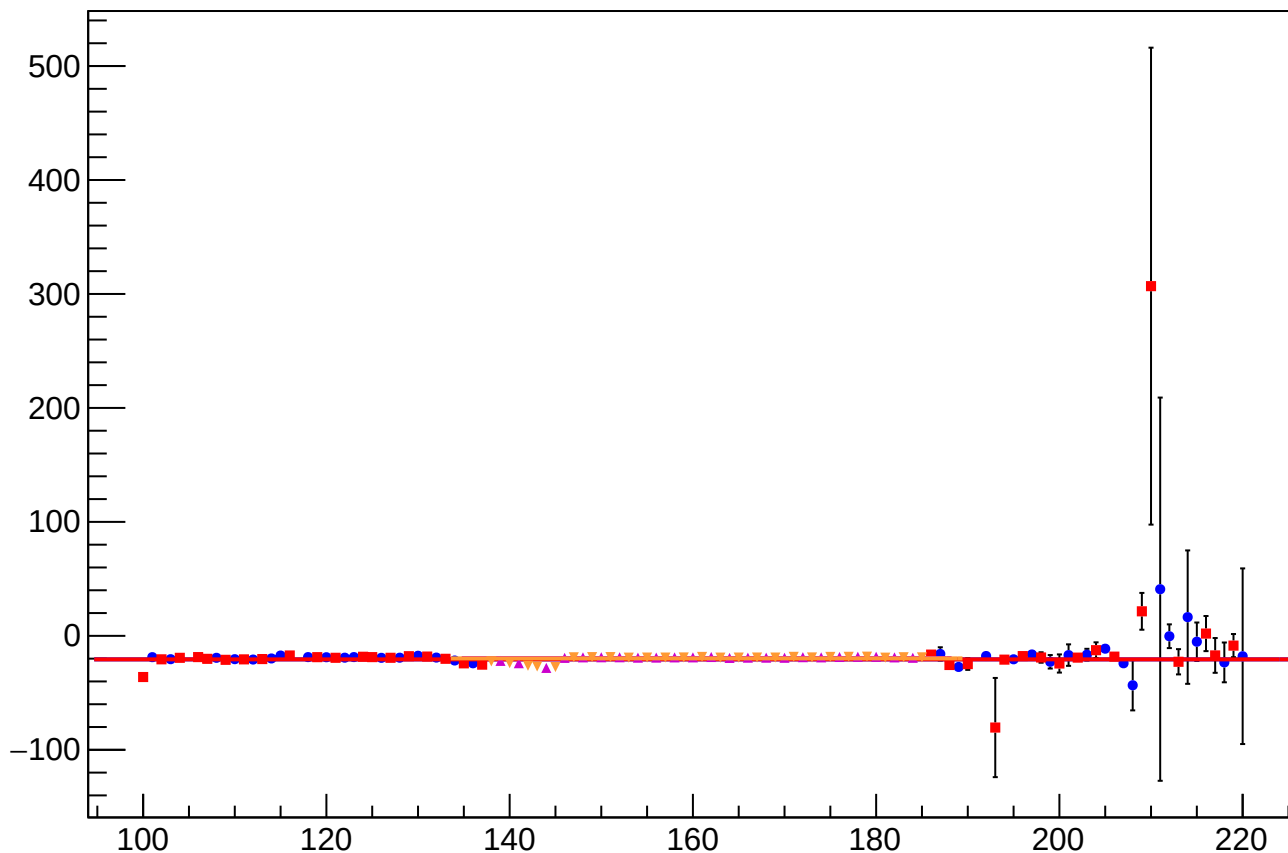
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.968 ± 0.152 χ^2/NDF : 1984.6/58

All: 8.851 ± 0.109 χ^2/NDF : 3819.7/117

- sign 8.727 ± 0.156 χ^2/NDF : 1833.9/58

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12460.3/33$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.638 ± 0.019 $\chi^2/\text{NDF}: 13822.8/35$

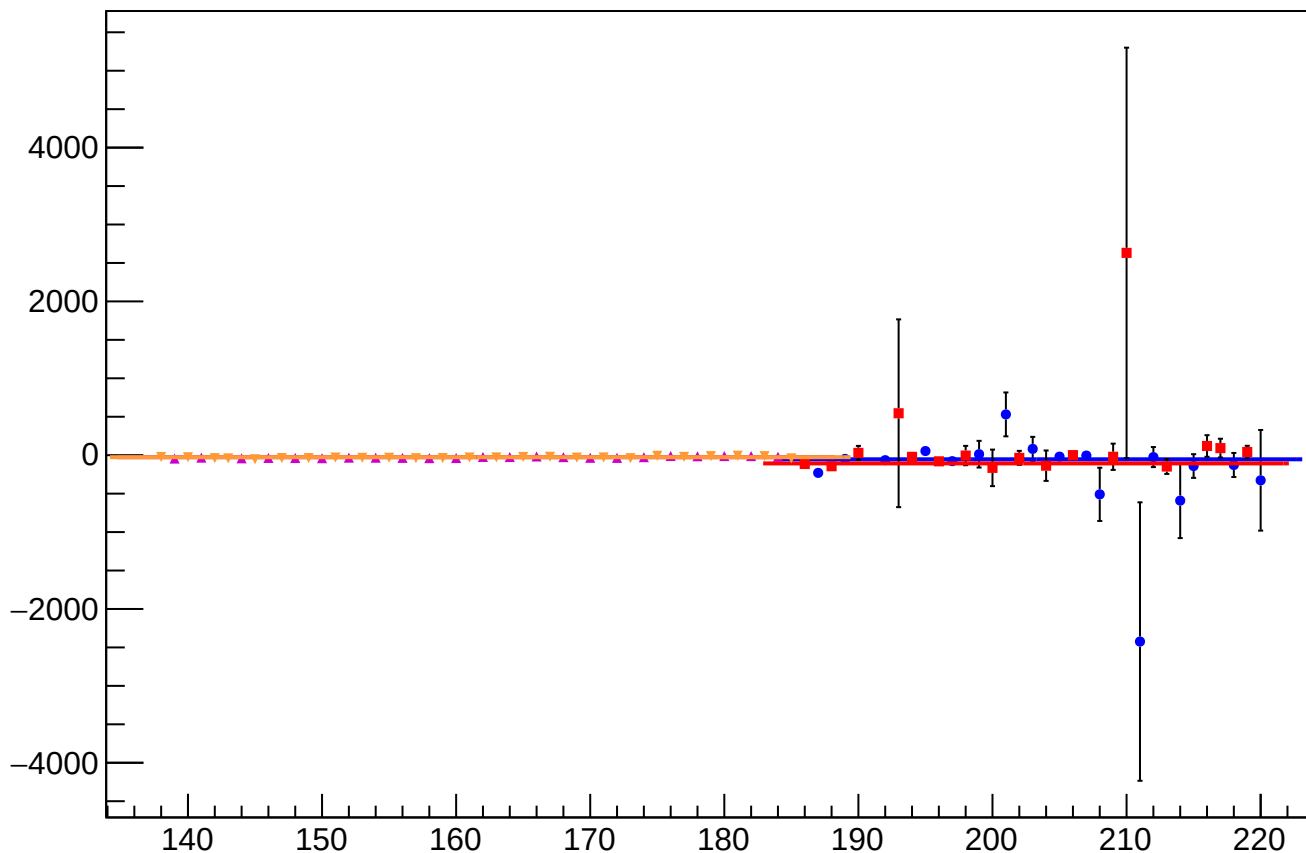
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105838.9/58$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176858.9/117$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70267.4/58$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -53.462 ± 12.898 χ^2/NDF : 33.0/16

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -106.957 ± 8.017 χ^2/NDF : 25.8/16

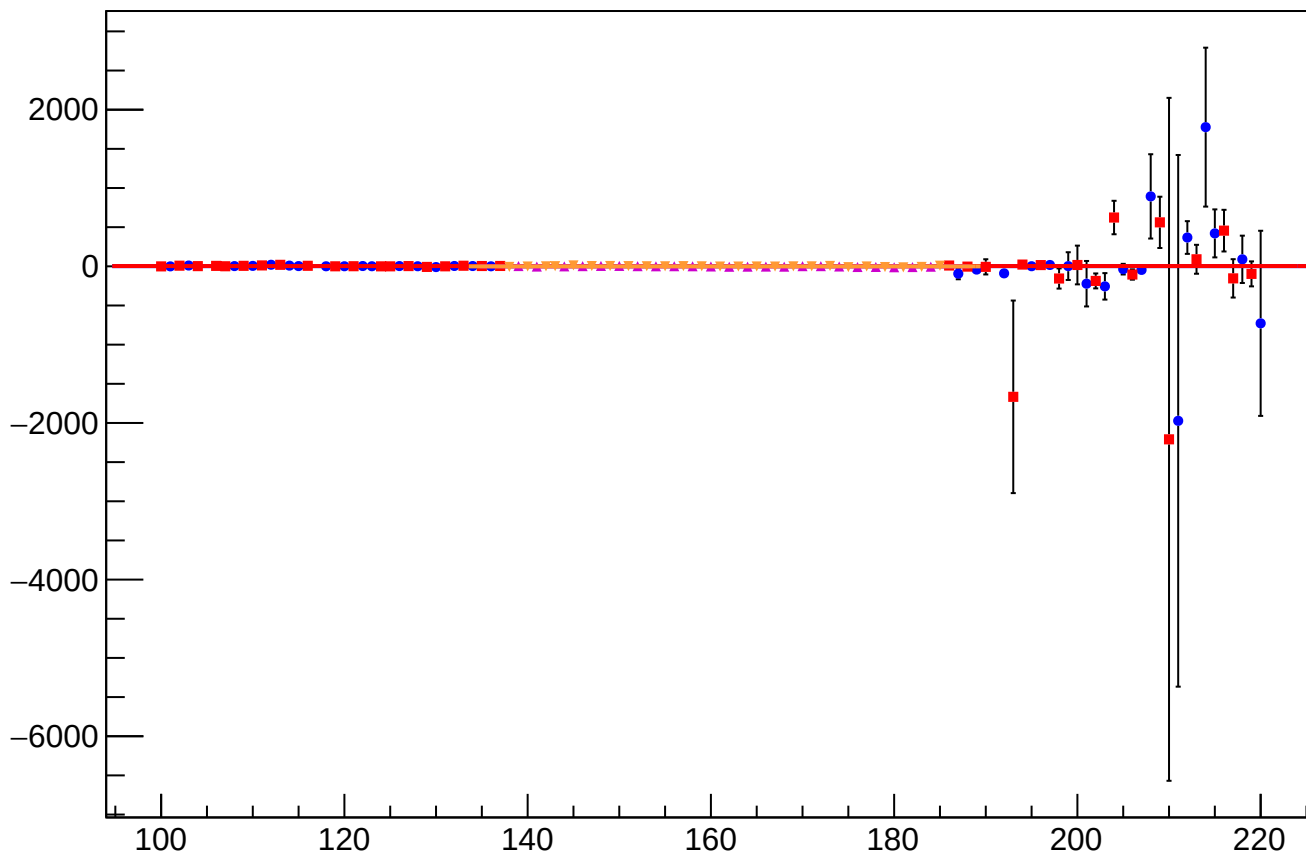
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 ± 0.192 χ^2/NDF : 4165.1/41

All: -25.998 ± 0.137 χ^2/NDF : 7539.9/81

- sign -26.094 ± 0.195 χ^2/NDF : 3374.3/39

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.440 ± 0.315 χ^2/NDF : 317.0/33

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.593 ± 0.318 χ^2/NDF : 306.1/35

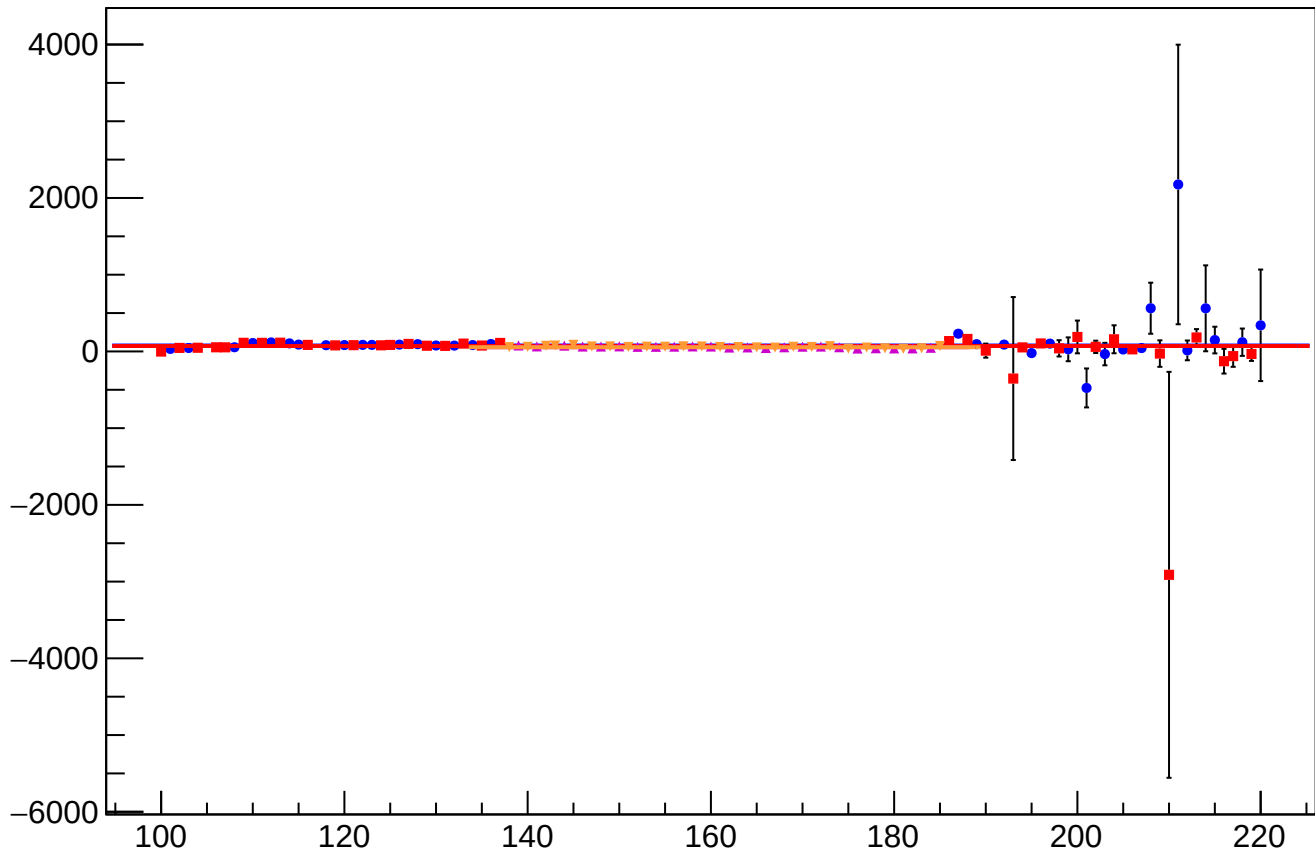
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1704.2/58

All: -0.025 ± 0.095 χ^2/NDF : 3272.3/117

- sign 0.009 ± 0.136 χ^2/NDF : 1568.0/58

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.711 $\pm$ 0.576 χ^2 /NDF: 2301.1/33

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.742 $\pm$ 0.549 χ^2 /NDF: 4498.8/35

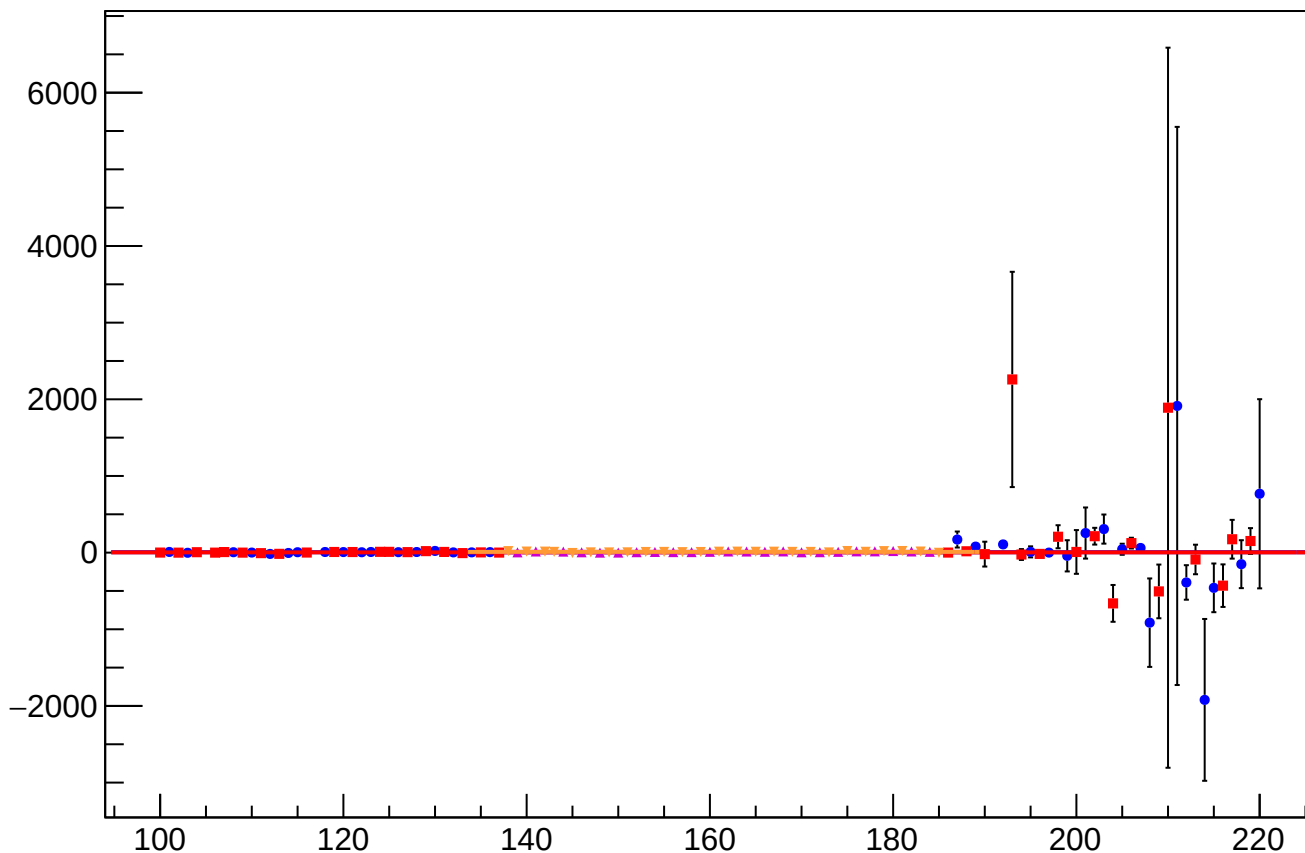
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.259 $\pm$ 0.182 χ^2 /NDF: 8125.6/58

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 17015.3/117

- sign 56.827 $\pm$ 0.183 χ^2 /NDF: 8886.9/58

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.443+/-0.361 χ^2/NDF : 410.3/33

Left Out: 9.675+/-0.168 χ^2/NDF :1441.3/24

Right Out: 3.283+/-0.365 χ^2/NDF : 450.4/35

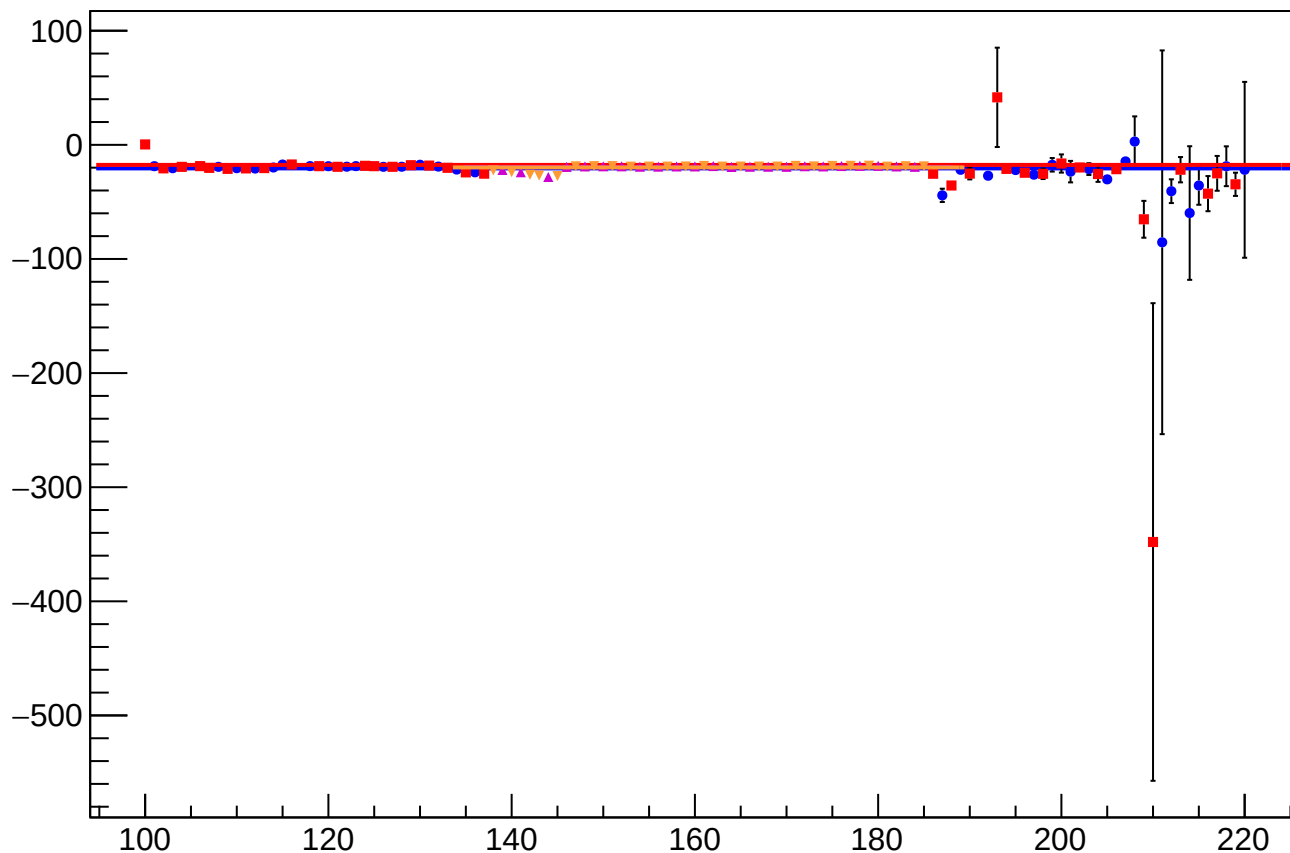
Left In: 9.738+/-0.172 χ^2/NDF :1191.1/22

+ sign 8.923+/-0.152 χ^2/NDF : 1964.6/58

All: 8.750+/-0.109 χ^2/NDF : 3864.3/117

- sign 8.570+/-0.155 χ^2/NDF : 1897.1/58

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 χ^2/NDF : 12521.0/33

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.575 ± 0.018 χ^2/NDF : 178458.6/35

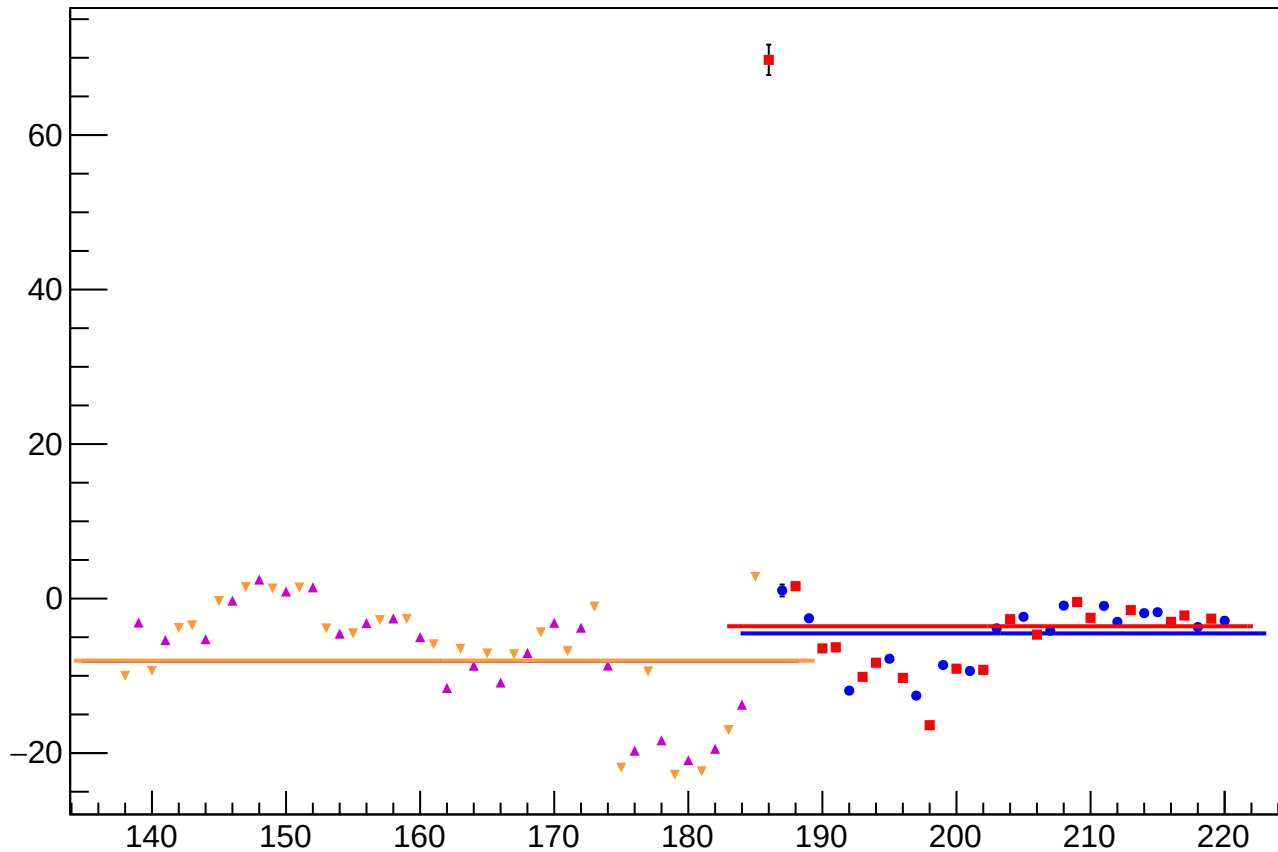
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105770.1/58

All: -19.518 ± 0.005 χ^2/NDF : 351750.4/117

- sign -19.140 ± 0.007 χ^2/NDF : 240569.3/58

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -4.505 ± 0.093 χ^2/NDF : 1587.1/16

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -3.581 ± 0.086 χ^2/NDF : 4172.9/17

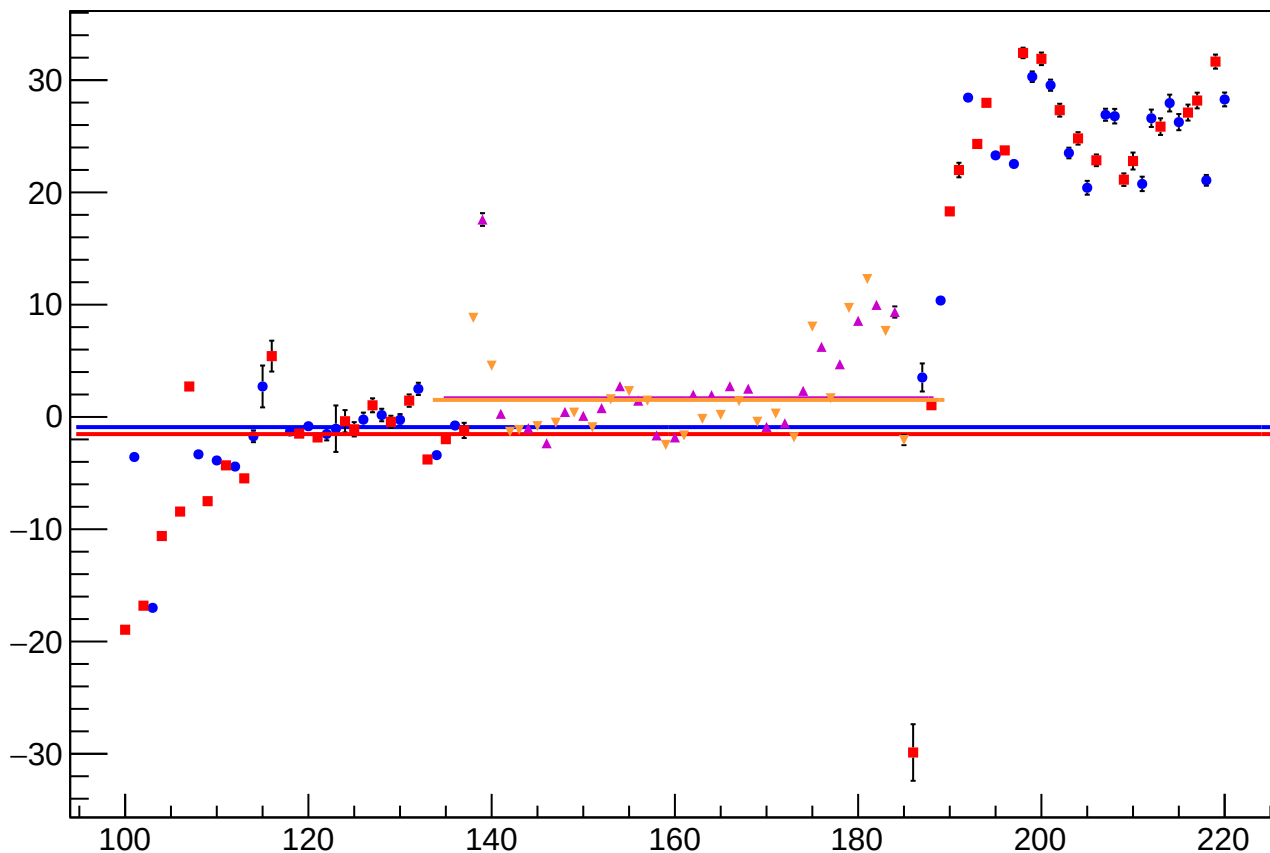
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -6.747 ± 0.056 χ^2/NDF : 15074.2/41

All: -6.489 ± 0.039 χ^2/NDF : 31429.5/82

- sign -6.239 ± 0.055 χ^2/NDF : 16313.7/40

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -0.905 ± 0.050 $\chi^2/\text{NDF}: 55204.0/33$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -1.527 ± 0.053 $\chi^2/\text{NDF}: 64315.6/36$

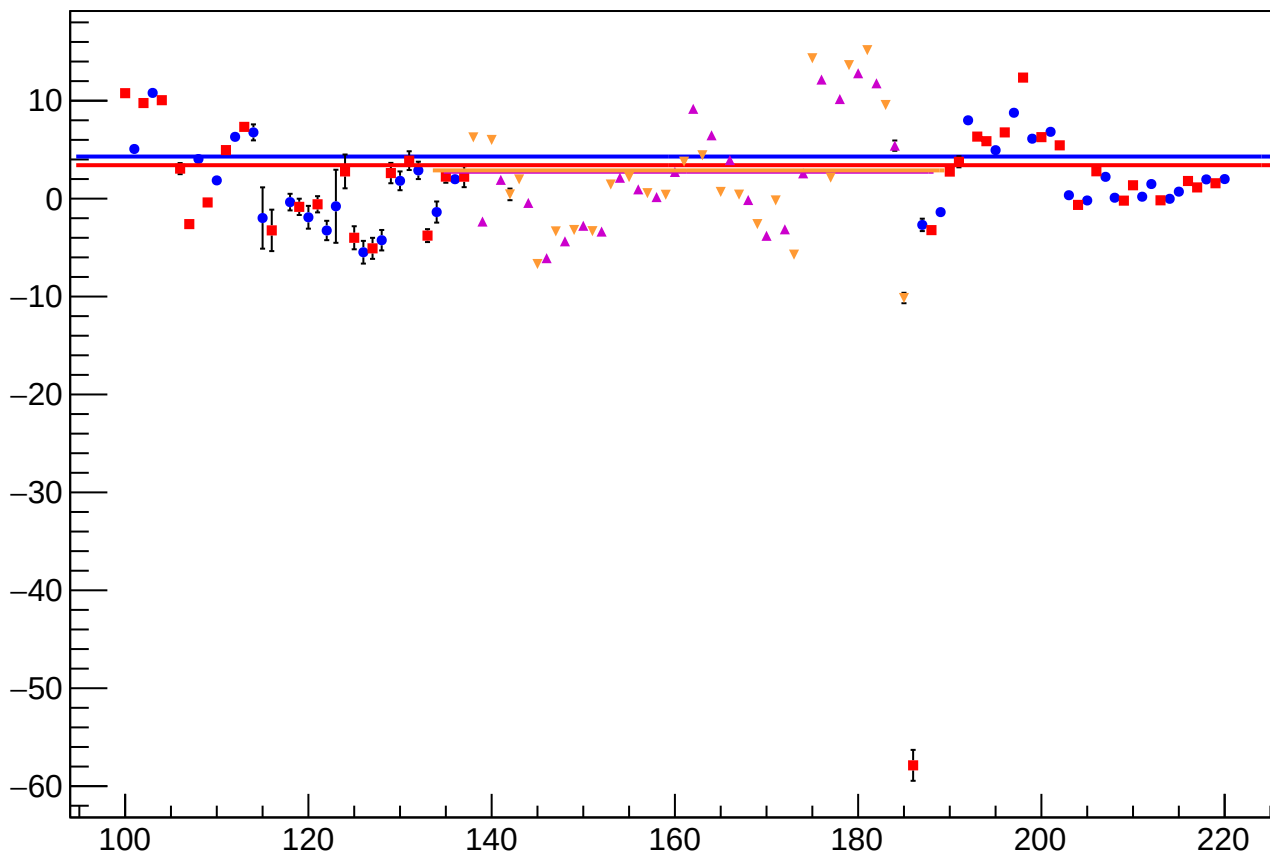
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign 0.217 ± 0.037 $\chi^2/\text{NDF}: 61119.1/58$

All: 0.094 ± 0.027 $\chi^2/\text{NDF}: 131188.0/118$

- sign -0.040 ± 0.039 $\chi^2/\text{NDF}: 70045.9/59$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 4.298 ± 0.064 χ^2/NDF : 3386.0/33

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.415 ± 0.061 χ^2/NDF : 8149.6/36

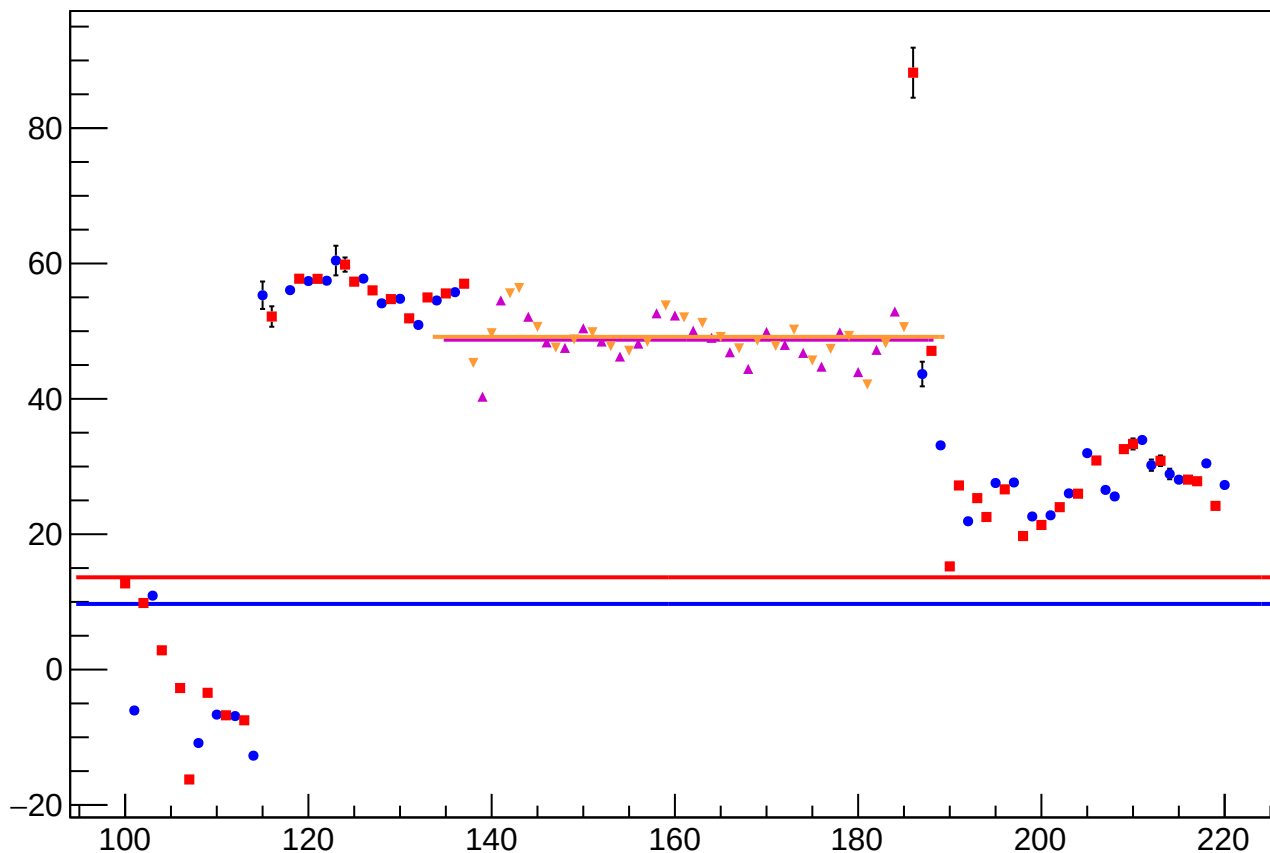
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.661 ± 0.047 χ^2/NDF : 12501.7/58

All: 3.392 ± 0.033 χ^2/NDF : 27949.1/118

- sign 3.132 ± 0.046 χ^2/NDF : 15383.4/59

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 9.701 ± 0.059 χ^2/NDF : 138696.1/33

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 13.635 ± 0.063 χ^2/NDF : 138810.7/36

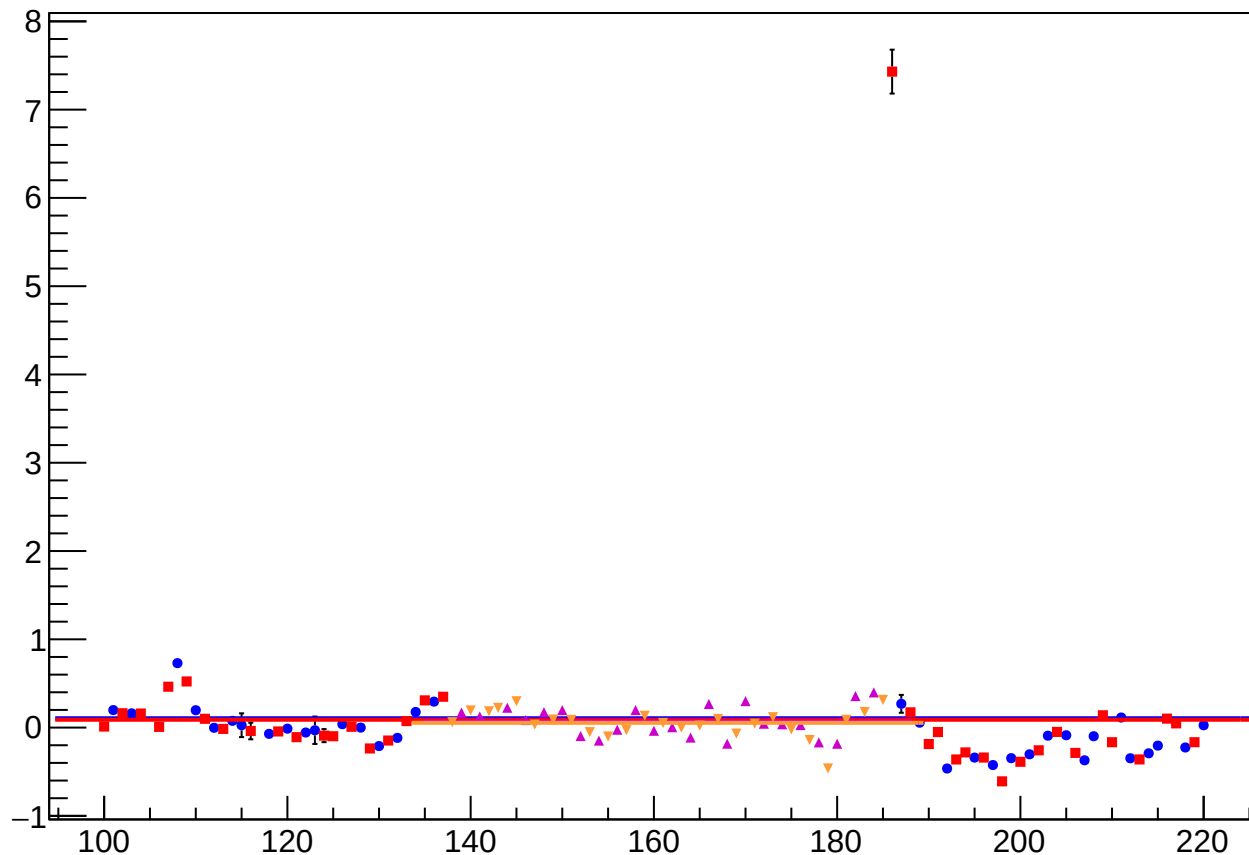
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.621 ± 0.043 χ^2/NDF : 353615.1/58

All: 29.687 ± 0.031 χ^2/NDF : 650334.9/118

- sign 30.849 ± 0.045 χ^2/NDF : 295421.3/59

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.106+/-0.002 χ^2/NDF : 12002.5/33

Left Out: 0.054+/-0.003 χ^2/NDF : 2379.8/24

Right Out: 0.089+/-0.002 χ^2/NDF : 11152.9/36

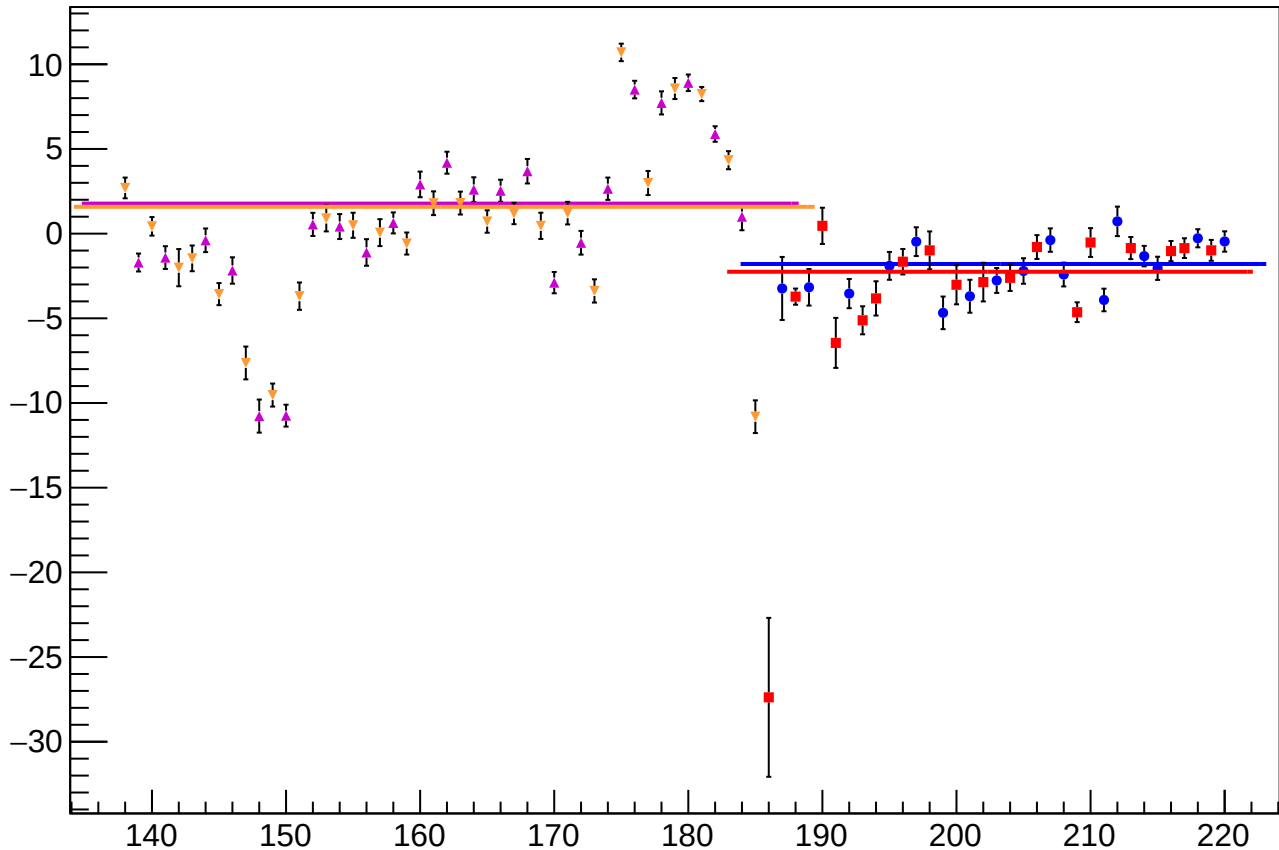
Left In: 0.070+/-0.003 χ^2/NDF : 3233.8/22

+ sign 0.084+/-0.002 χ^2/NDF : 14575.0/58

All: 0.082+/-0.001 χ^2/NDF : 28987.2/118

- sign 0.081+/-0.002 χ^2/NDF : 14411.4/59

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.792 ± 0.183 χ^2/NDF : 60.8/16

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -2.250 ± 0.180 χ^2/NDF : 113.8/17

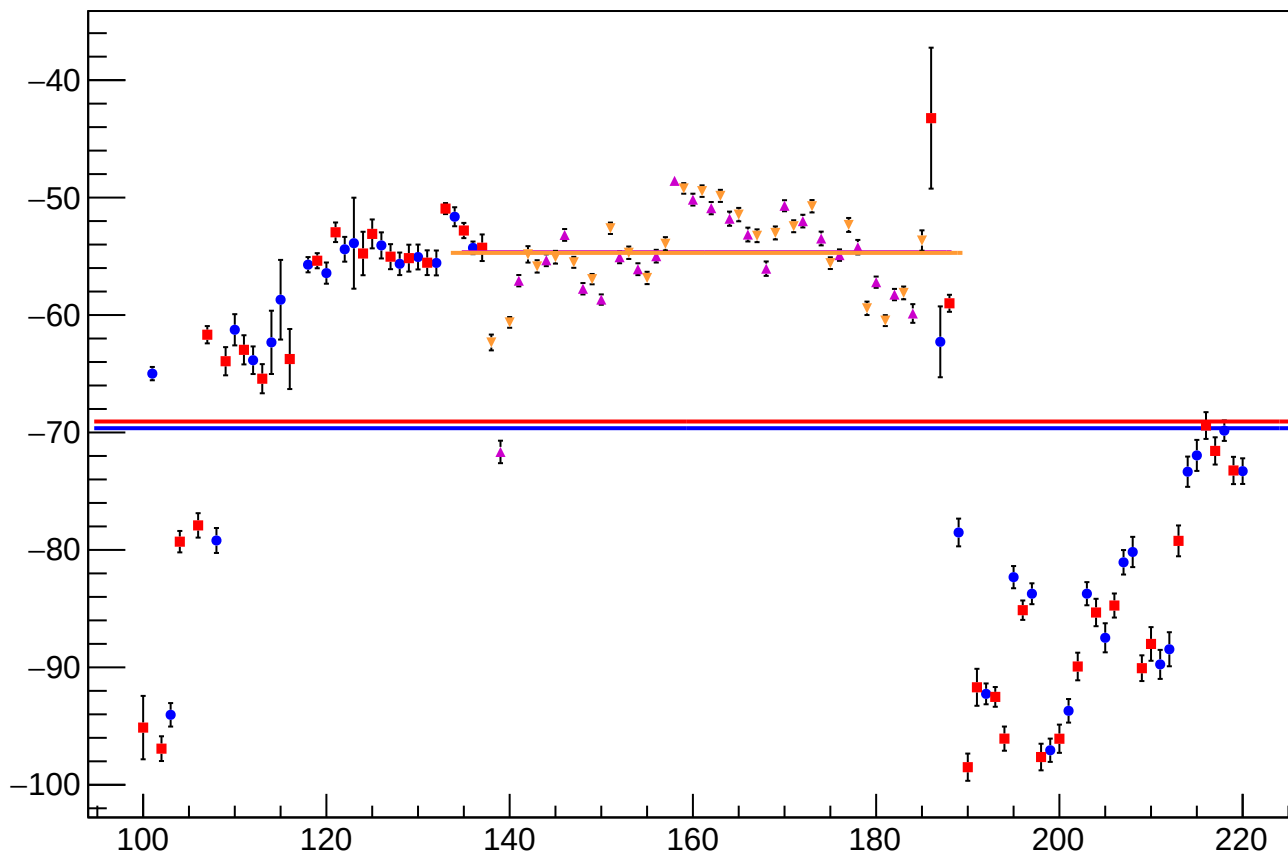
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.420 ± 0.107 χ^2/NDF : 1742.9/41

All: 0.369 ± 0.076 χ^2/NDF : 3474.9/82

- sign 0.318 ± 0.108 χ^2/NDF : 1731.6/40

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -69.637 ± 0.172 χ^2/NDF : 7346.7/33

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -69.066 ± 0.164 χ^2/NDF : 10393.1/36

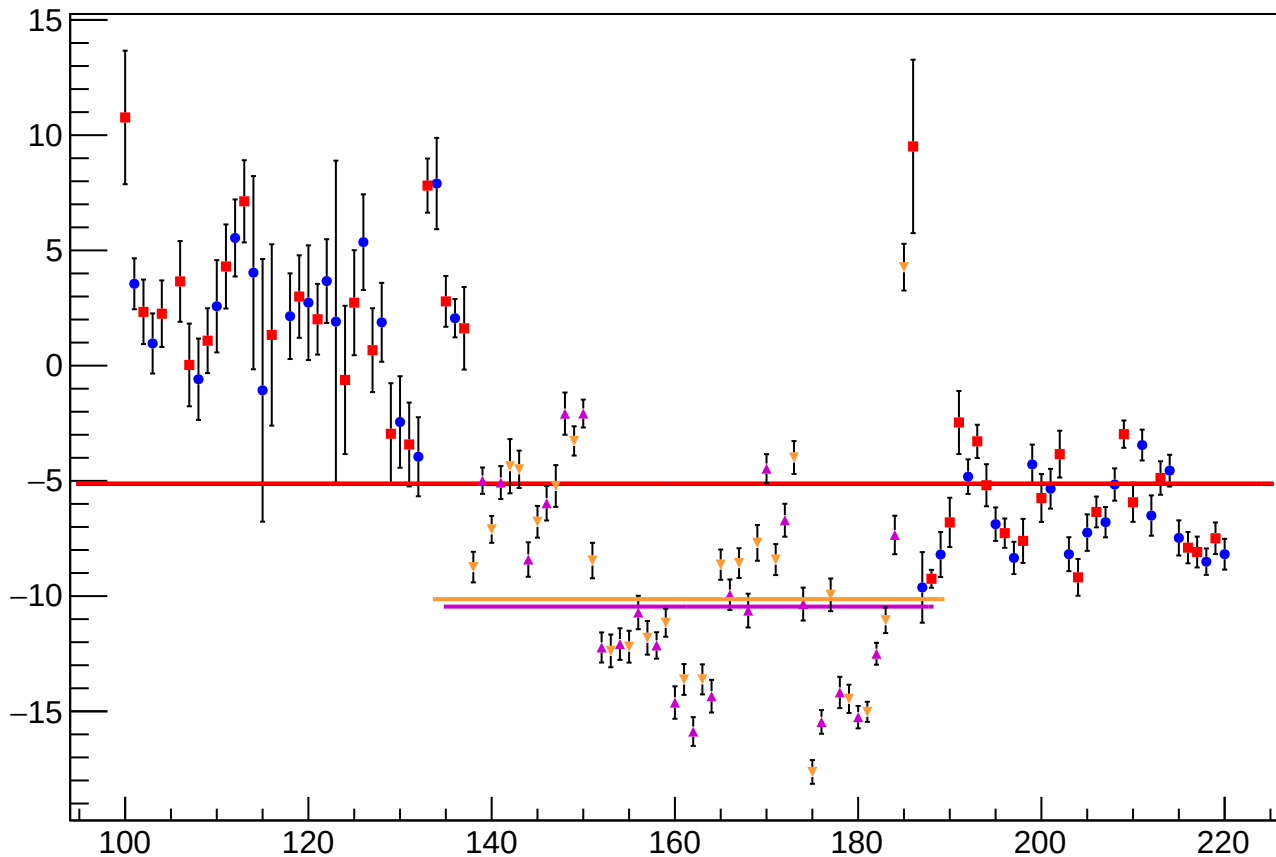
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -58.806 ± 0.090 χ^2/NDF : 13950.8/58

All: -58.956 ± 0.064 χ^2/NDF : 30760.1/118

- sign -59.109 ± 0.091 χ^2/NDF : 16803.7/59

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.134 ± 0.166 $\chi^2/\text{NDF}: 515.1/33$

Left Out: -10.131 ± 0.133 $\chi^2/\text{NDF}: 1055.4/24$

Right Out: -5.111 ± 0.158 $\chi^2/\text{NDF}: 722.0/36$

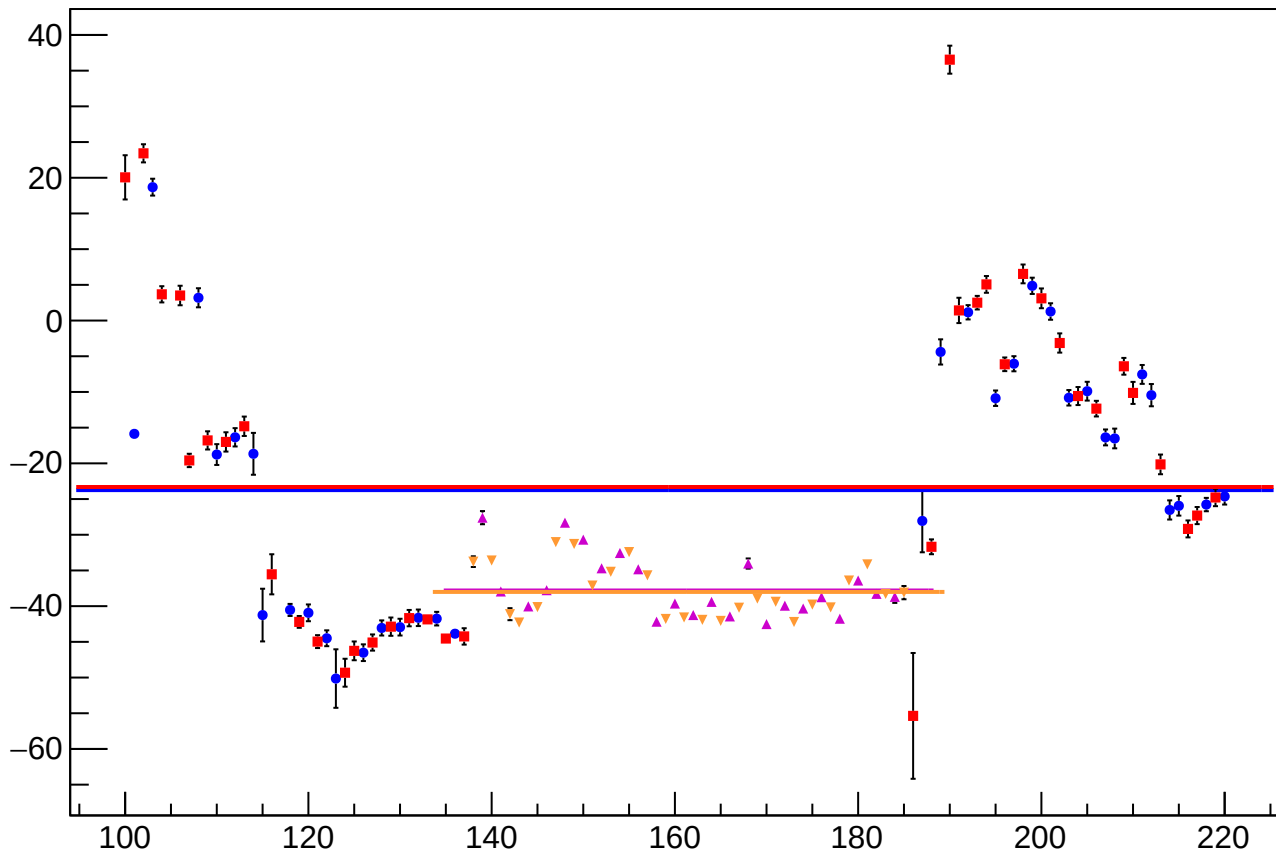
Left In: -10.456 ± 0.135 $\chi^2/\text{NDF}: 1002.7/22$

+ sign -8.178 ± 0.104 $\chi^2/\text{NDF}: 2124.0/58$

All: -8.197 ± 0.073 $\chi^2/\text{NDF}: 4509.4/118$

- sign -8.215 ± 0.103 $\chi^2/\text{NDF}: 2385.3/59$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -23.747 ± 0.194 $\chi^2/\text{NDF}: 8674.9/33$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -23.314 ± 0.189 $\chi^2/\text{NDF}: 11929.9/36$

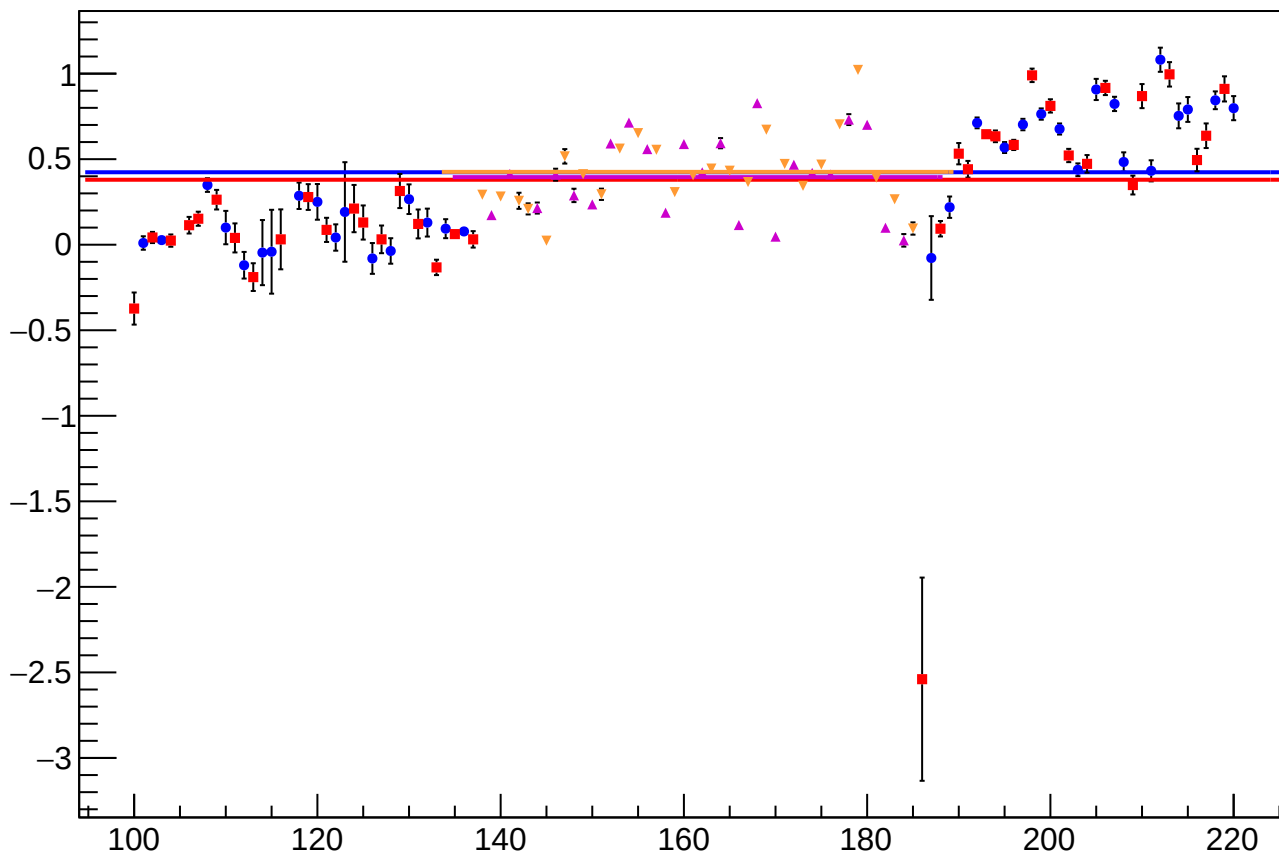
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -34.115 ± 0.101 $\chi^2/\text{NDF}: 13556.6/58$

All: -33.824 ± 0.072 $\chi^2/\text{NDF}: 30695.1/118$

- sign -33.525 ± 0.103 $\chi^2/\text{NDF}: 17121.7/59$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.424 $\pm$ 0.008 χ^2 /NDF: 1499.5/33

Left Out: 0.426 $\pm$ 0.005 χ^2 /NDF:1303.7/24

Right Out: 0.380 $\pm$ 0.008 χ^2 /NDF: 1776.3/36

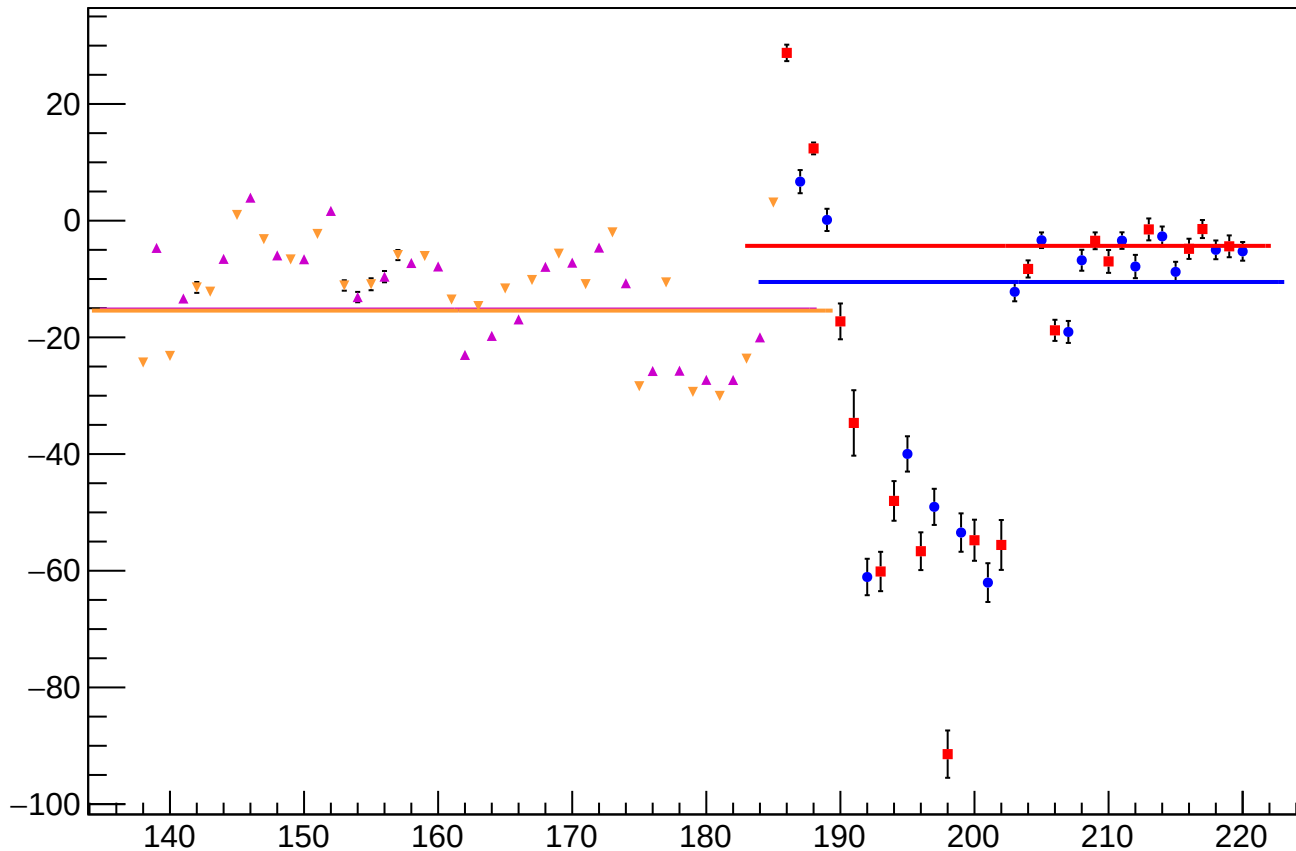
Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

+ sign 0.425 $\pm$ 0.005 χ^2 /NDF: 2803.2/58

All: 0.408 $\pm$ 0.003 χ^2 /NDF: 6410.0/118

- sign 0.390 $\pm$ 0.005 χ^2 /NDF: 3576.9/59

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -10.509 ± 0.458 χ^2/NDF : 1155.3/16

Left Out: -15.413 ± 0.105 χ^2/NDF : 10509.1/24

Right Out: -4.317 ± 0.451 χ^2/NDF : 2460.5/17

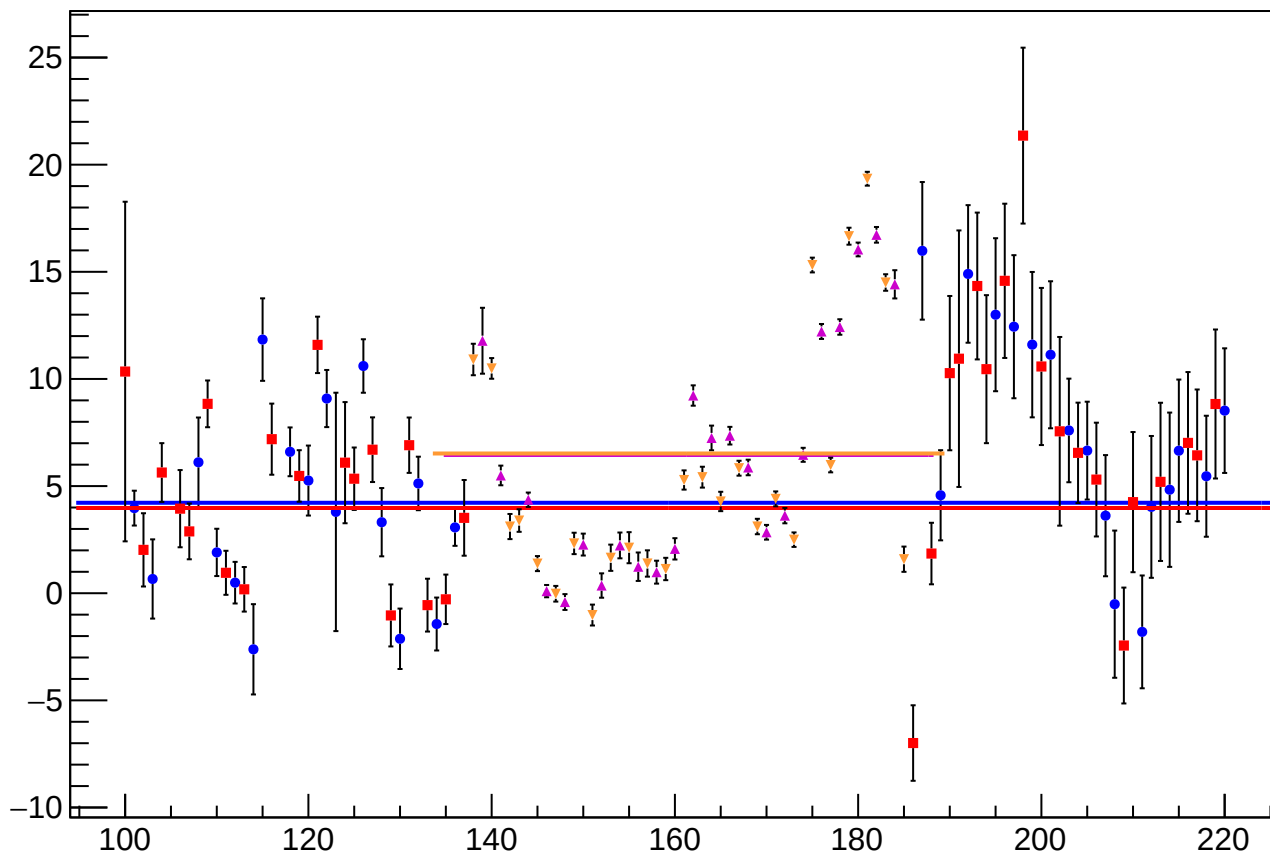
Left In: -15.229 ± 0.107 χ^2/NDF : 8657.3/22

+ sign -15.167 ± 0.103 χ^2/NDF : 11773.3/41

All: -14.912 ± 0.073 χ^2/NDF : 23457.8/82

- sign -14.651 ± 0.104 χ^2/NDF : 11672.0/40

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.221 ± 0.285 χ^2/NDF : 196.7/33

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.978 ± 0.286 χ^2/NDF : 232.9/36

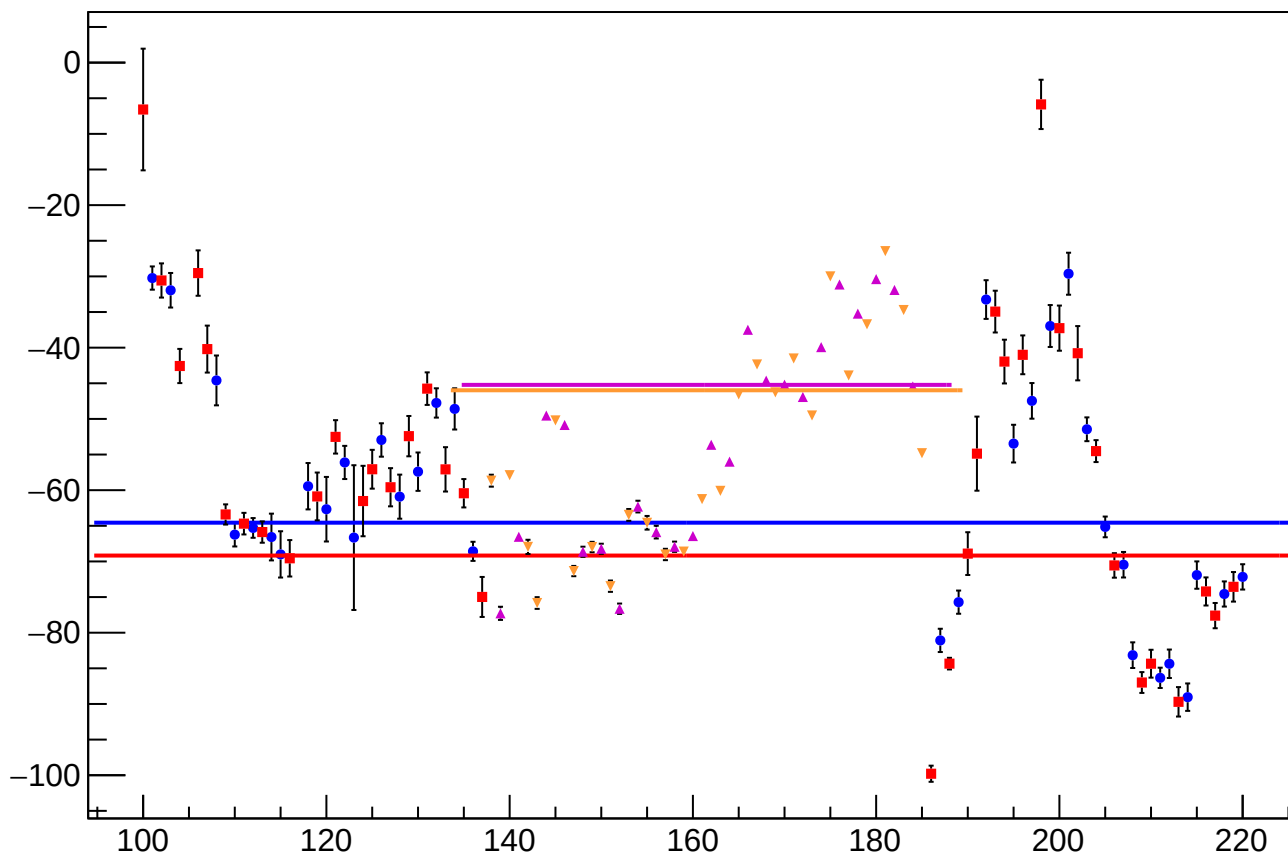
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.331 ± 0.082 χ^2/NDF : 5241.7/58

All: 6.289 ± 0.058 χ^2/NDF : 9491.8/118

- sign 6.246 ± 0.082 χ^2/NDF : 4249.6/59

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -64.562 ± 0.350 χ^2/NDF : 2128.7/33

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -69.174 ± 0.333 χ^2/NDF : 3298.7/36

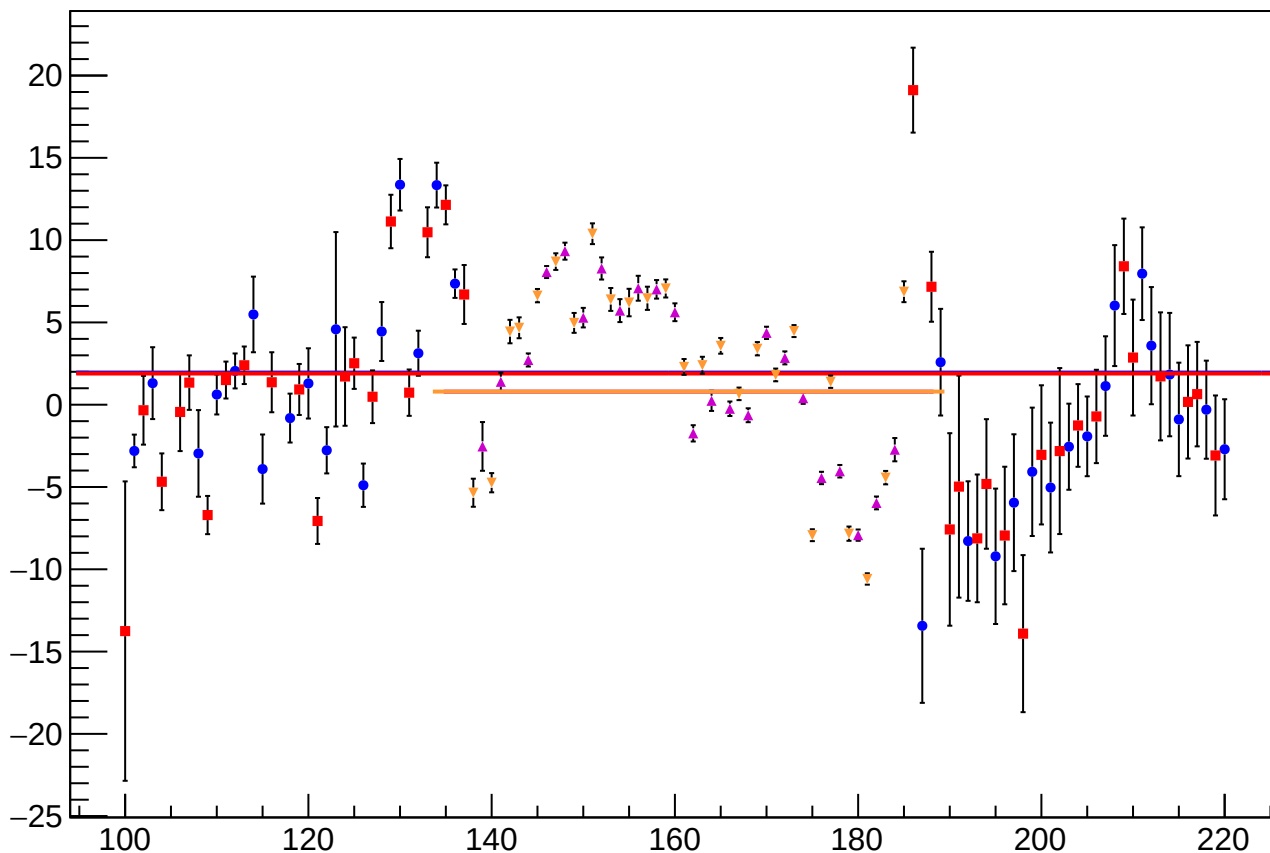
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -47.552 ± 0.102 χ^2/NDF : 22072.1/58

All: -47.514 ± 0.072 χ^2/NDF : 45669.3/118

- sign -47.476 ± 0.102 χ^2/NDF : 23597.0/59

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 1.952 ± 0.319 χ^2/NDF : 295.3/33

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 1.896 ± 0.325 χ^2/NDF : 357.1/36

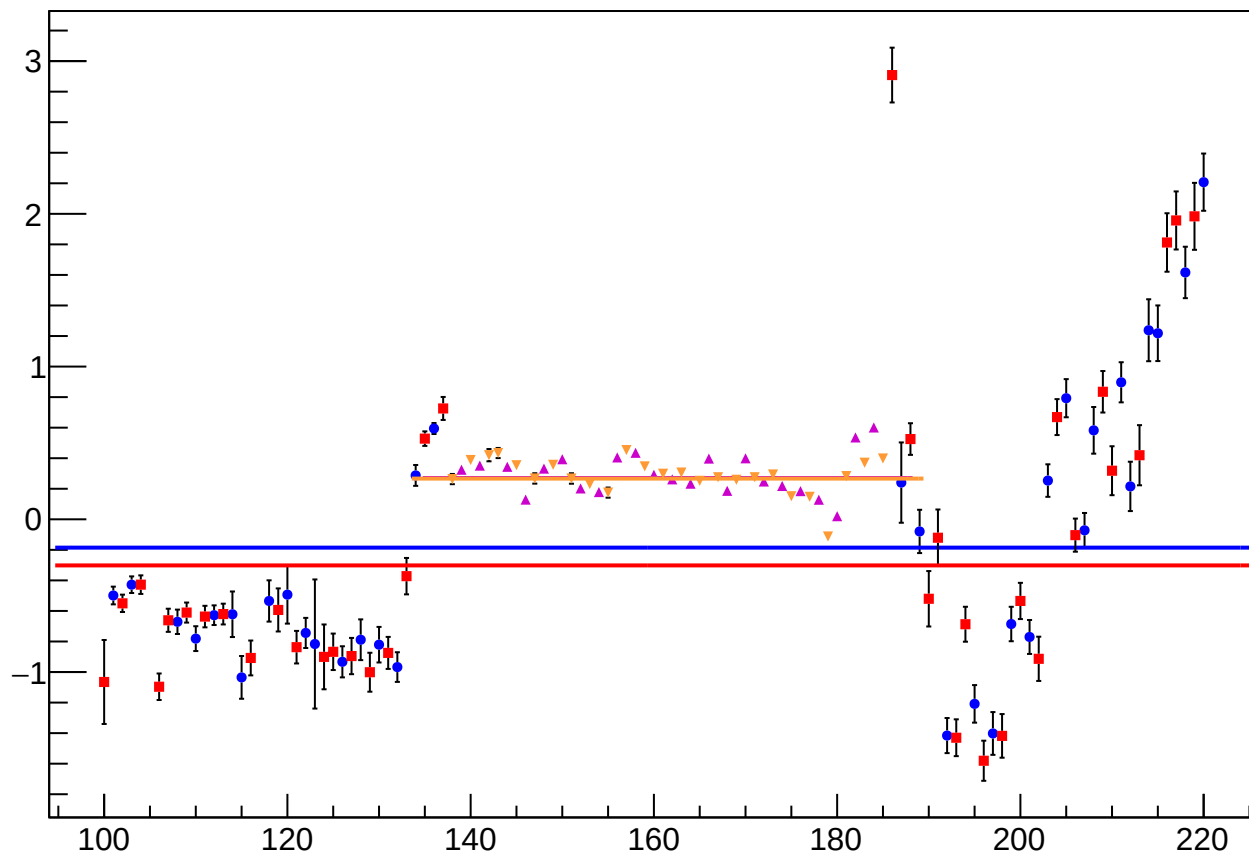
Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

+ sign 0.892 ± 0.092 χ^2/NDF : 4067.2/58

All: 0.887 ± 0.065 χ^2/NDF : 7127.4/118

- sign 0.882 ± 0.093 χ^2/NDF : 3060.2/59

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.185 ± 0.016 χ^2/NDF : 1838.3/33

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.302 ± 0.016 χ^2/NDF : 2072.5/36

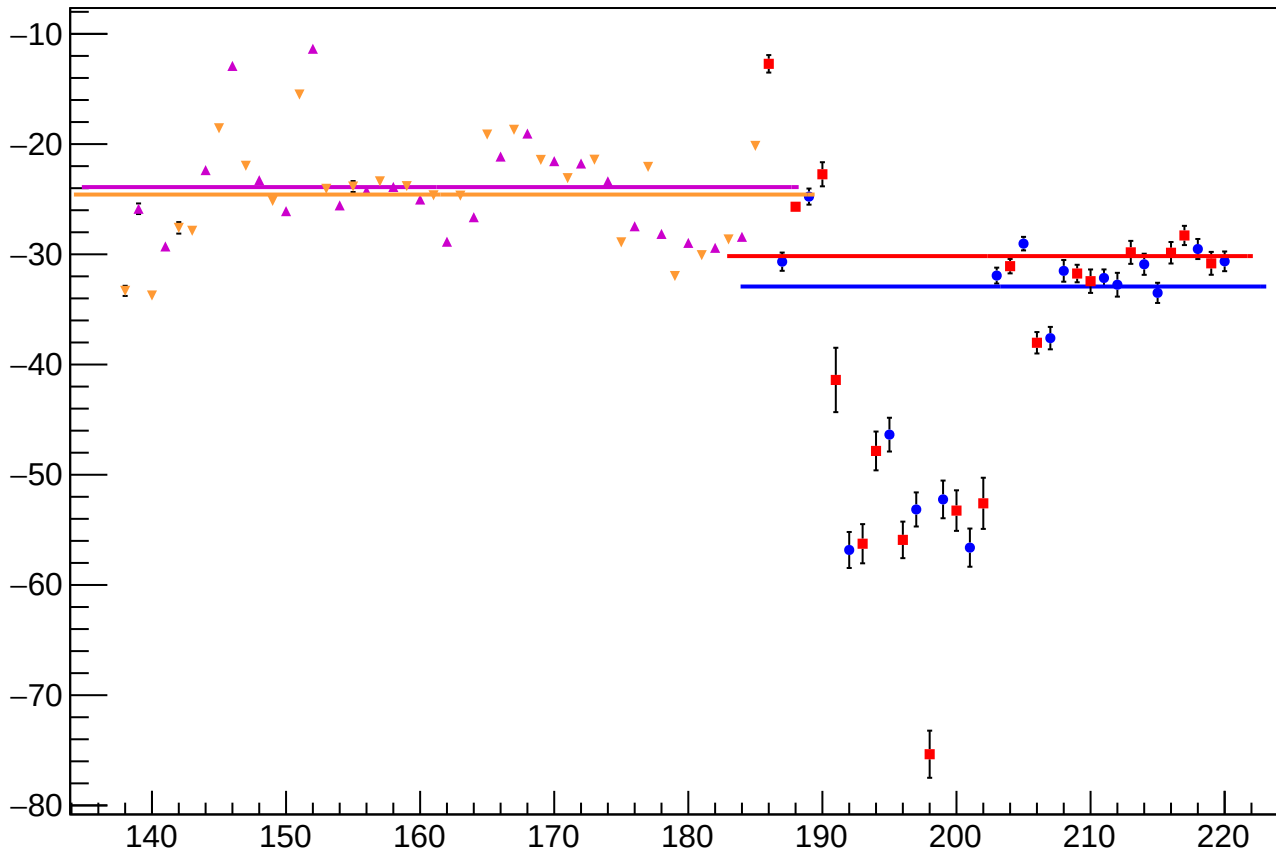
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.237 ± 0.004 χ^2/NDF : 3243.8/58

All: 0.234 ± 0.003 χ^2/NDF : 7409.7/118

- sign 0.232 ± 0.004 χ^2/NDF : 4165.2/59

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -32.922 ± 0.229 χ^2/NDF : 1000.8/16

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -30.162 ± 0.225 χ^2/NDF : 1988.6/17

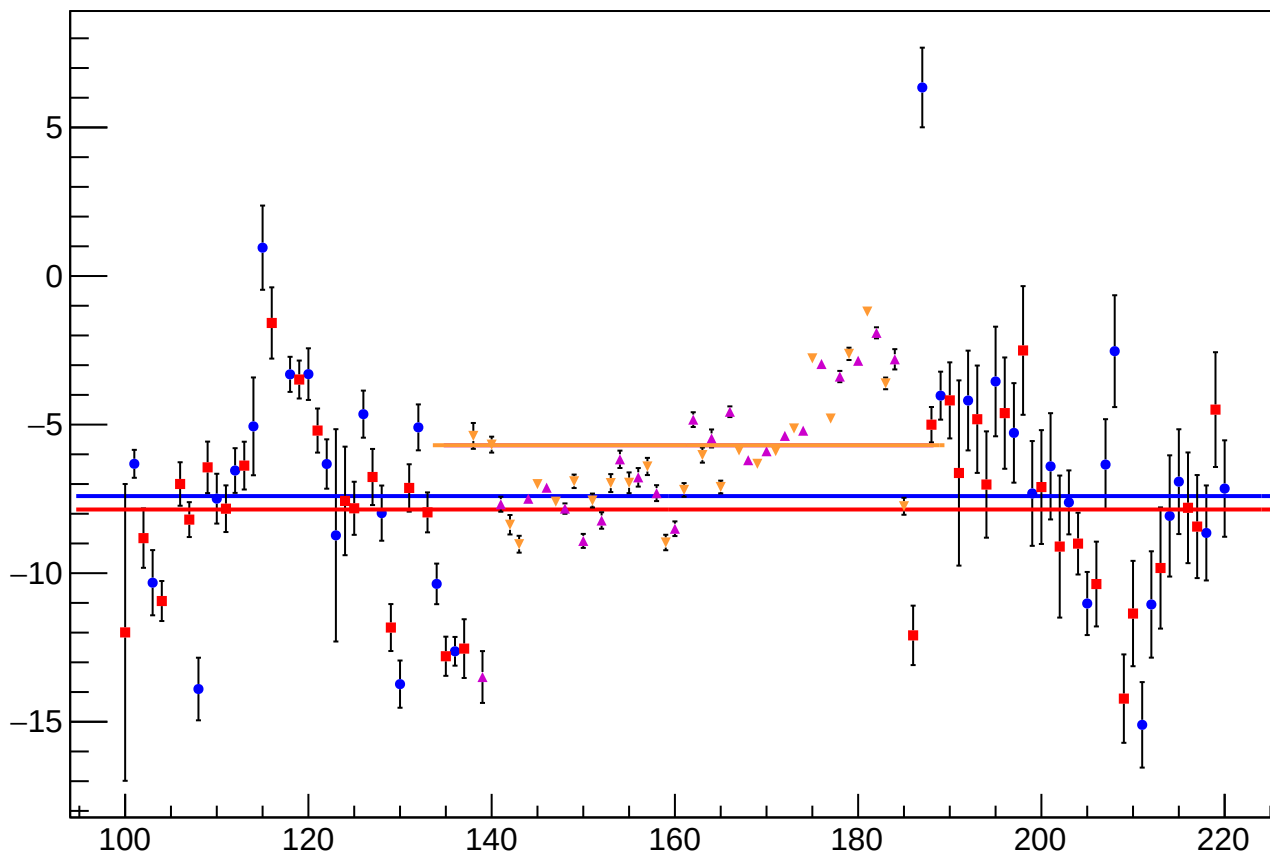
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.971 ± 0.050 χ^2/NDF : 10855.7/41

All: -24.590 ± 0.035 χ^2/NDF : 22851.7/82

- sign -24.207 ± 0.050 χ^2/NDF : 11878.4/40

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.405 ± 0.165 χ^2/NDF : 566.4/33

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.857 ± 0.162 χ^2/NDF : 316.1/36

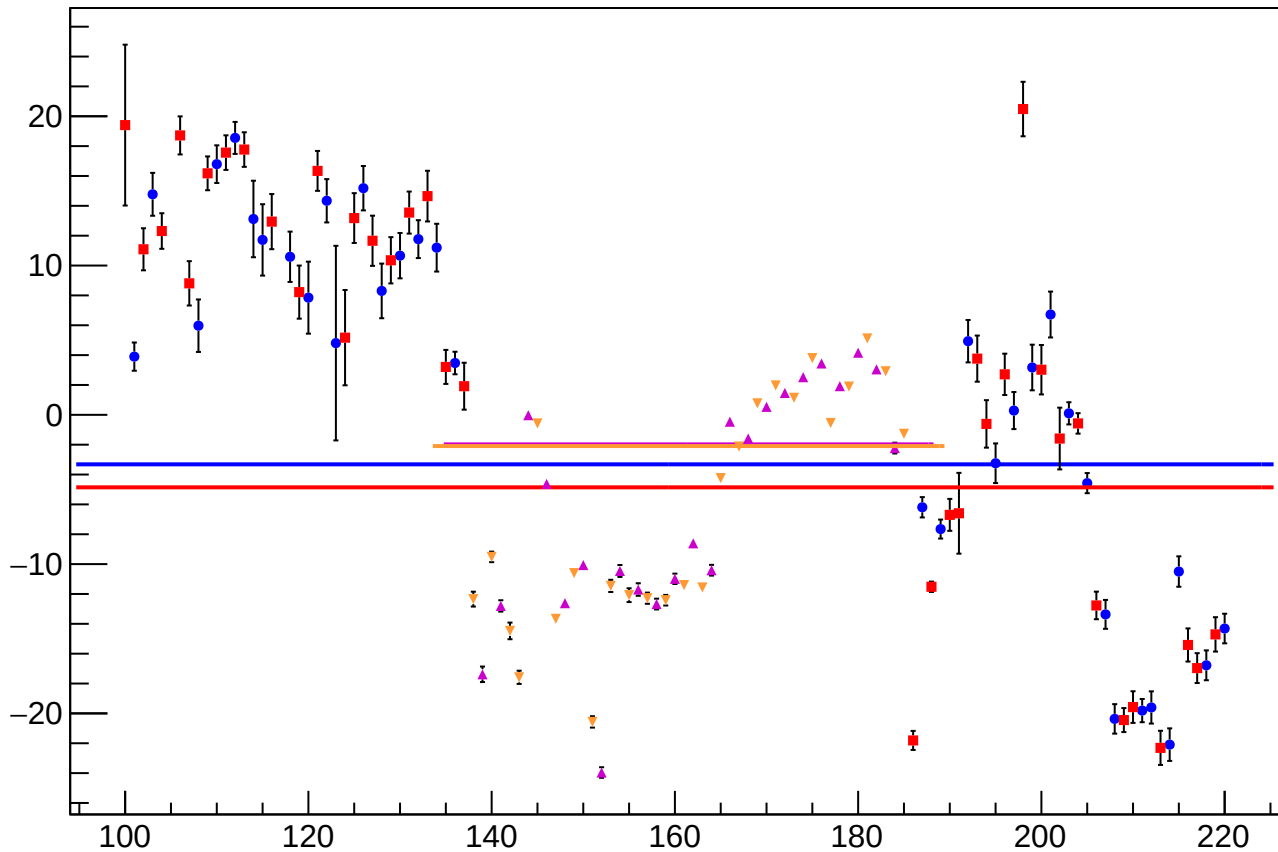
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.794 ± 0.040 χ^2/NDF : 2926.1/58

All: -5.810 ± 0.028 χ^2/NDF : 5720.4/118

- sign -5.826 ± 0.040 χ^2/NDF : 2793.9/59

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -3.316 ± 0.188 χ^2/NDF : 3745.5/33

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: -4.857 ± 0.176 χ^2/NDF : 5566.8/36

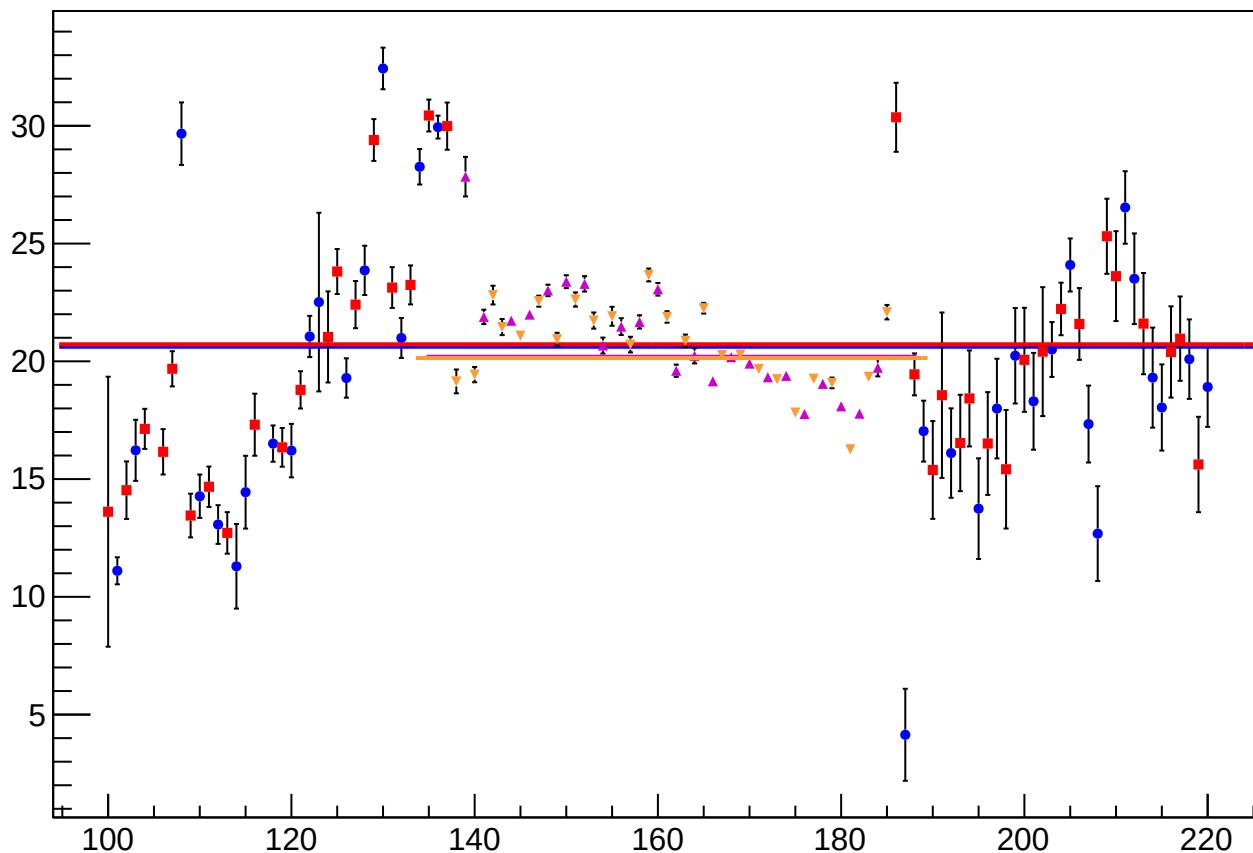
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -2.177 ± 0.050 χ^2/NDF : 20090.4/58

All: -2.191 ± 0.035 χ^2/NDF : 41284.8/118

- sign -2.204 ± 0.049 χ^2/NDF : 21194.3/59

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.619 $\pm$ 0.187 χ^2 /NDF: 1360.7/33

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 20.724 $\pm$ 0.188 χ^2 /NDF: 807.0/36

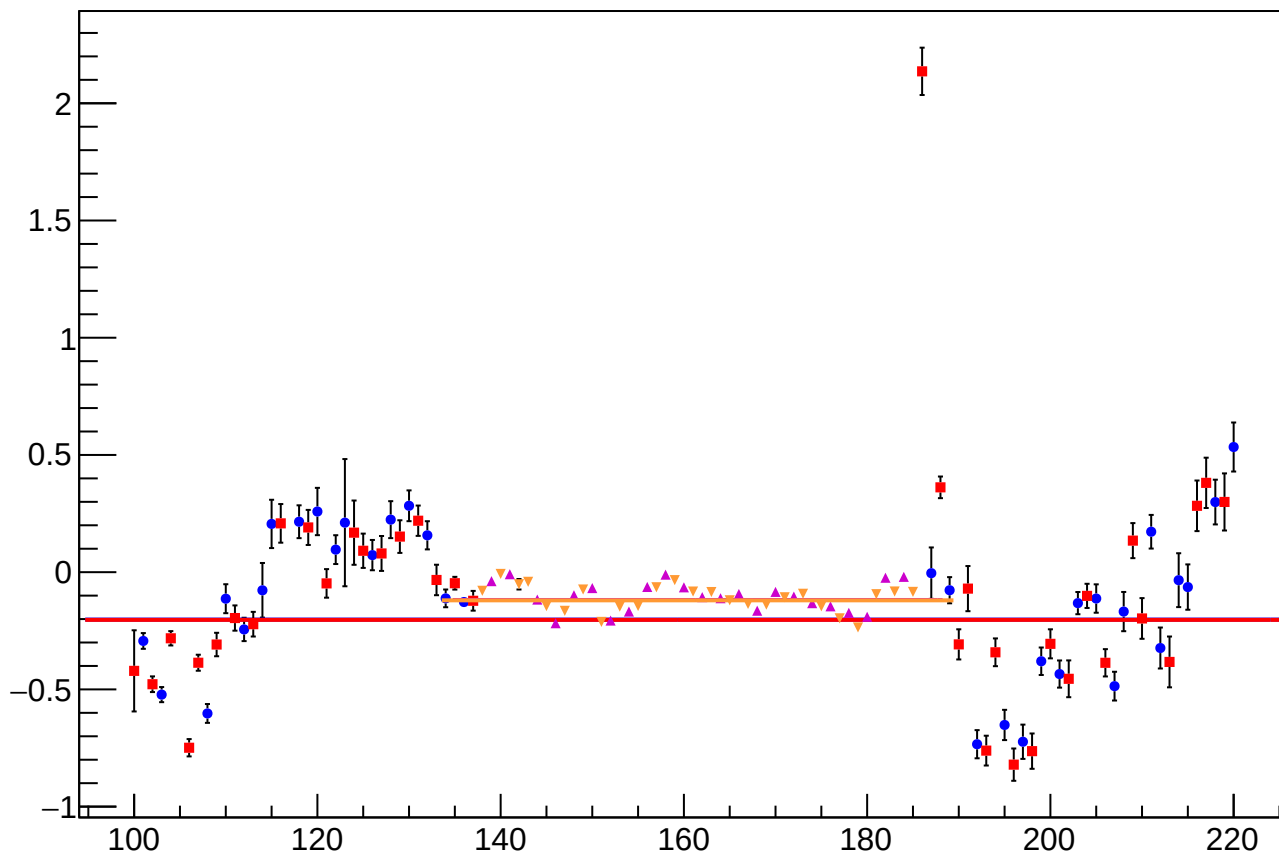
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.168 $\pm$ 0.045 χ^2 /NDF: 2786.0/58

All: 20.196 $\pm$ 0.032 χ^2 /NDF: 5048.6/118

- sign 20.224 $\pm$ 0.045 χ^2 /NDF: 2261.9/59

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.202 ± 0.009 χ^2/NDF : 812.4/33

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.203 ± 0.009 χ^2/NDF : 1563.1/36

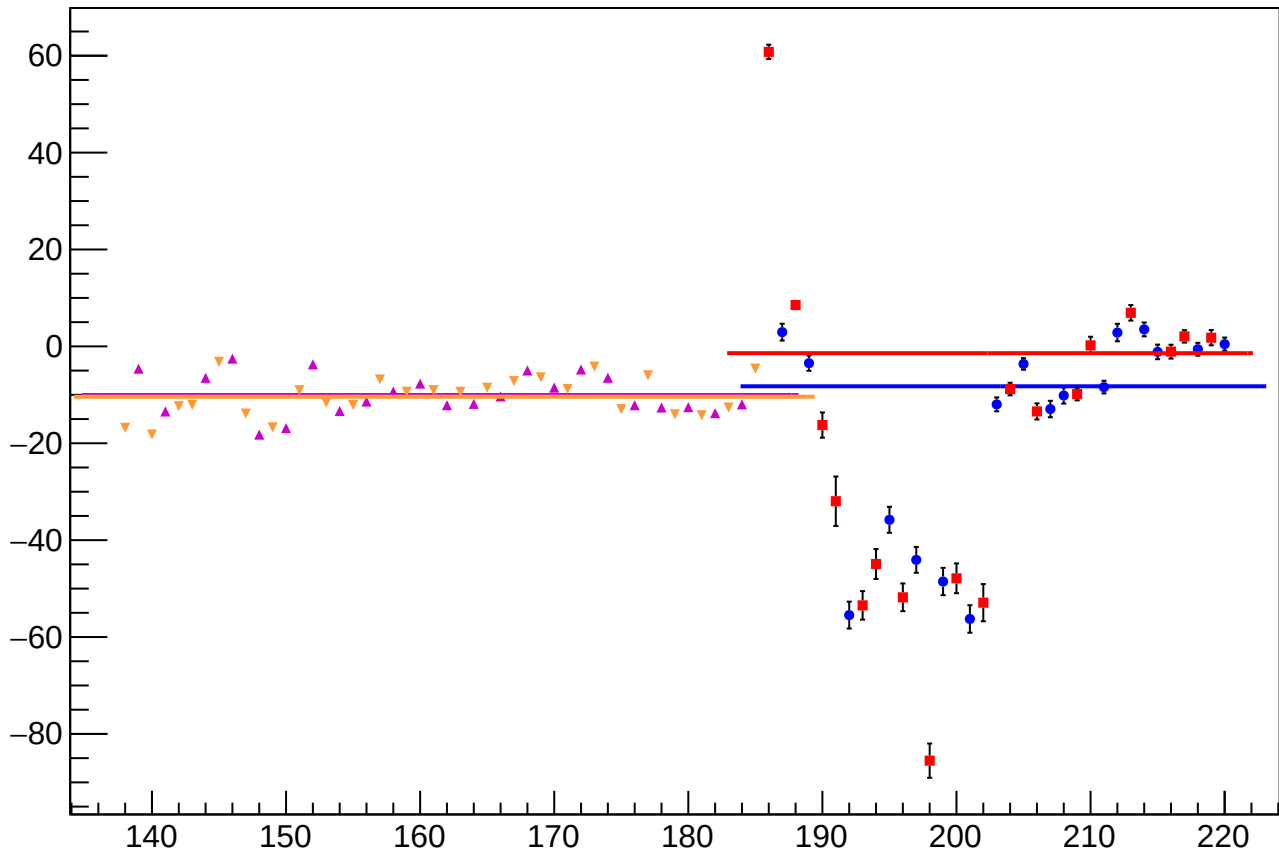
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.124 ± 0.002 χ^2/NDF : 1416.5/58

All: -0.123 ± 0.001 χ^2/NDF : 3782.5/118

- sign -0.123 ± 0.002 χ^2/NDF : 2365.9/59

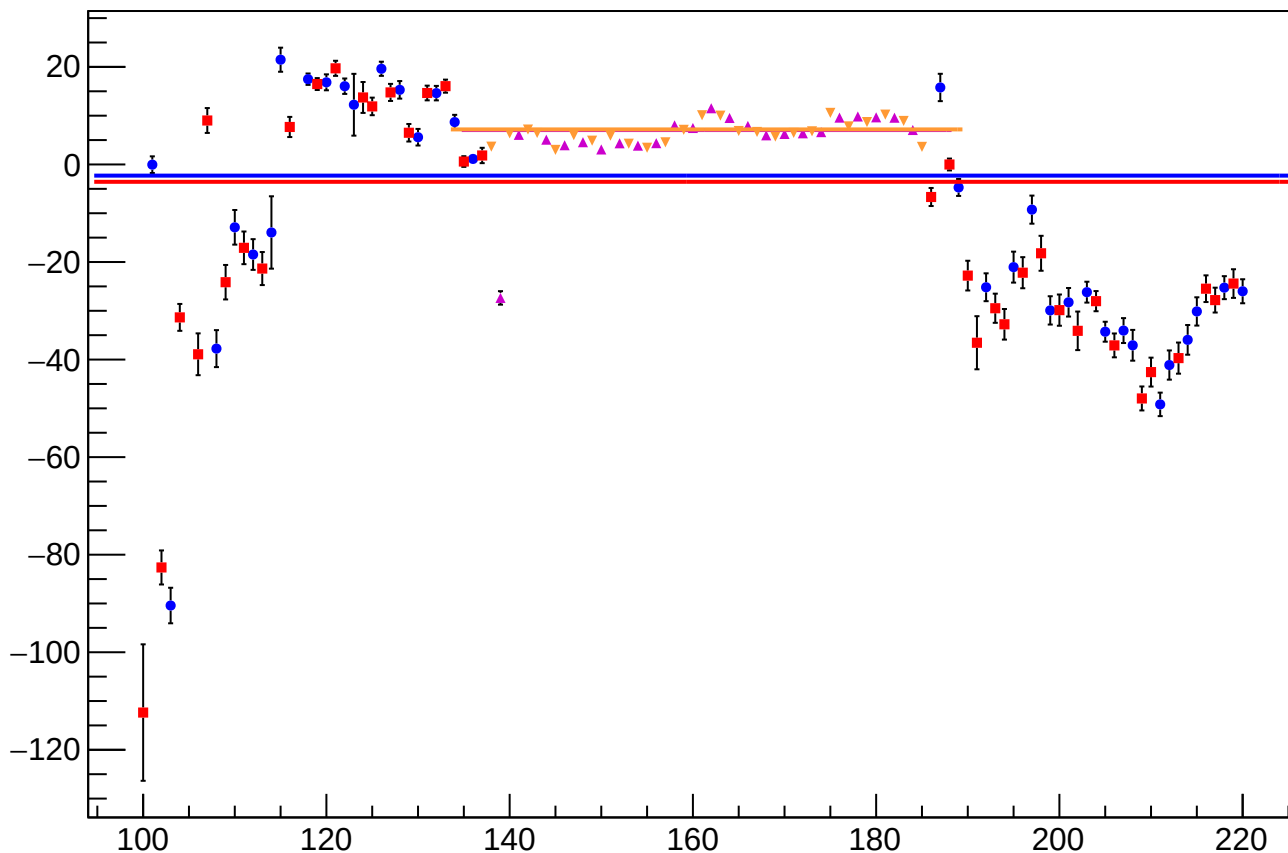
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -8.236 ± 0.400 χ^2/NDF : 1350.6/16
 Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24
 Right Out: -1.405 ± 0.398 χ^2/NDF : 3914.2/17
 Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.292 ± 0.086 χ^2/NDF : 3489.8/41
 All: -9.962 ± 0.061 χ^2/NDF : 9641.4/82
 - sign -9.619 ± 0.087 χ^2/NDF : 6121.4/40

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -2.288 ± 0.340 χ^2/NDF : 3831.2/33

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: -3.557 ± 0.351 χ^2/NDF : 3591.1/36

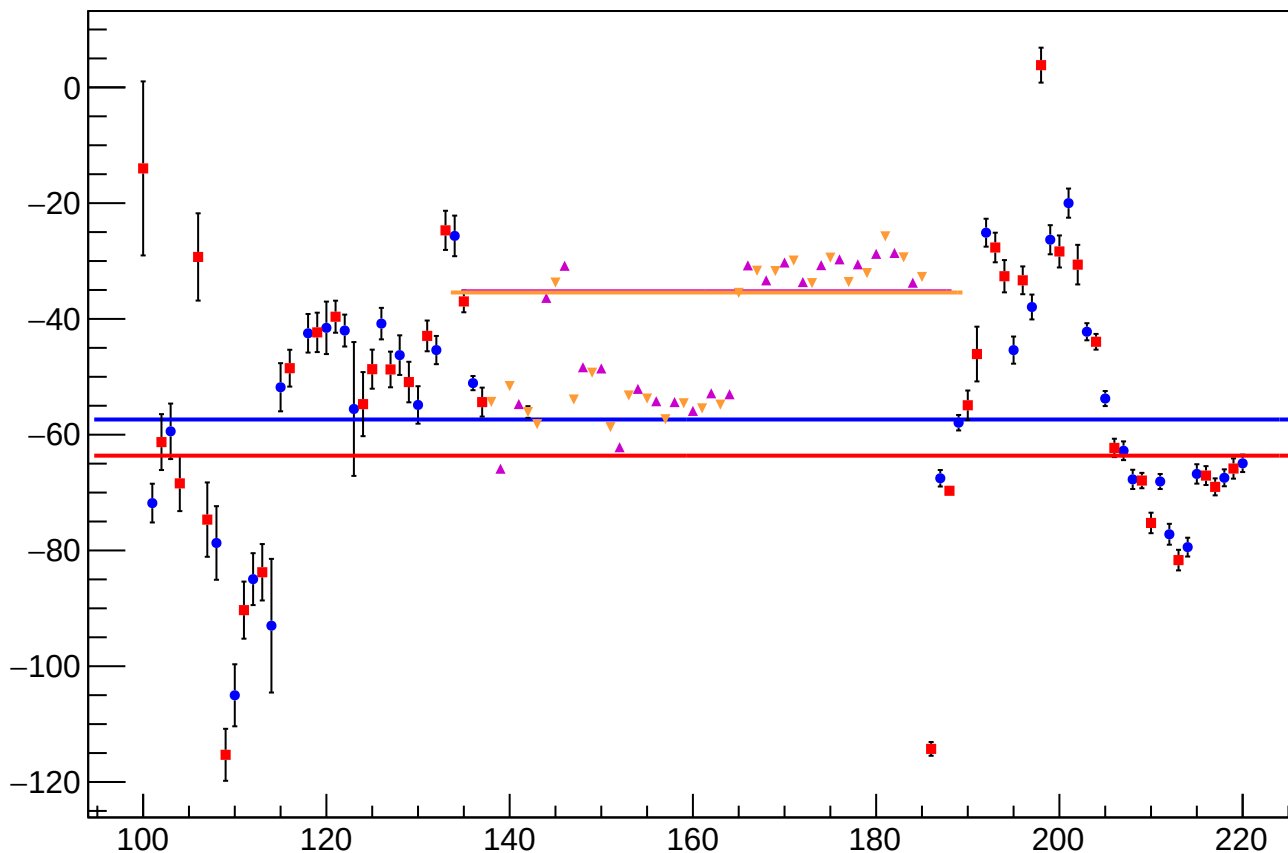
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 6.762 ± 0.072 χ^2/NDF : 5489.1/58

All: 6.681 ± 0.051 χ^2/NDF : 11494.6/118

- sign 6.598 ± 0.073 χ^2/NDF : 6002.9/59

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -57.375 ± 0.352 χ^2/NDF : 1751.9/33

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -63.622 ± 0.340 χ^2/NDF : 4362.3/36

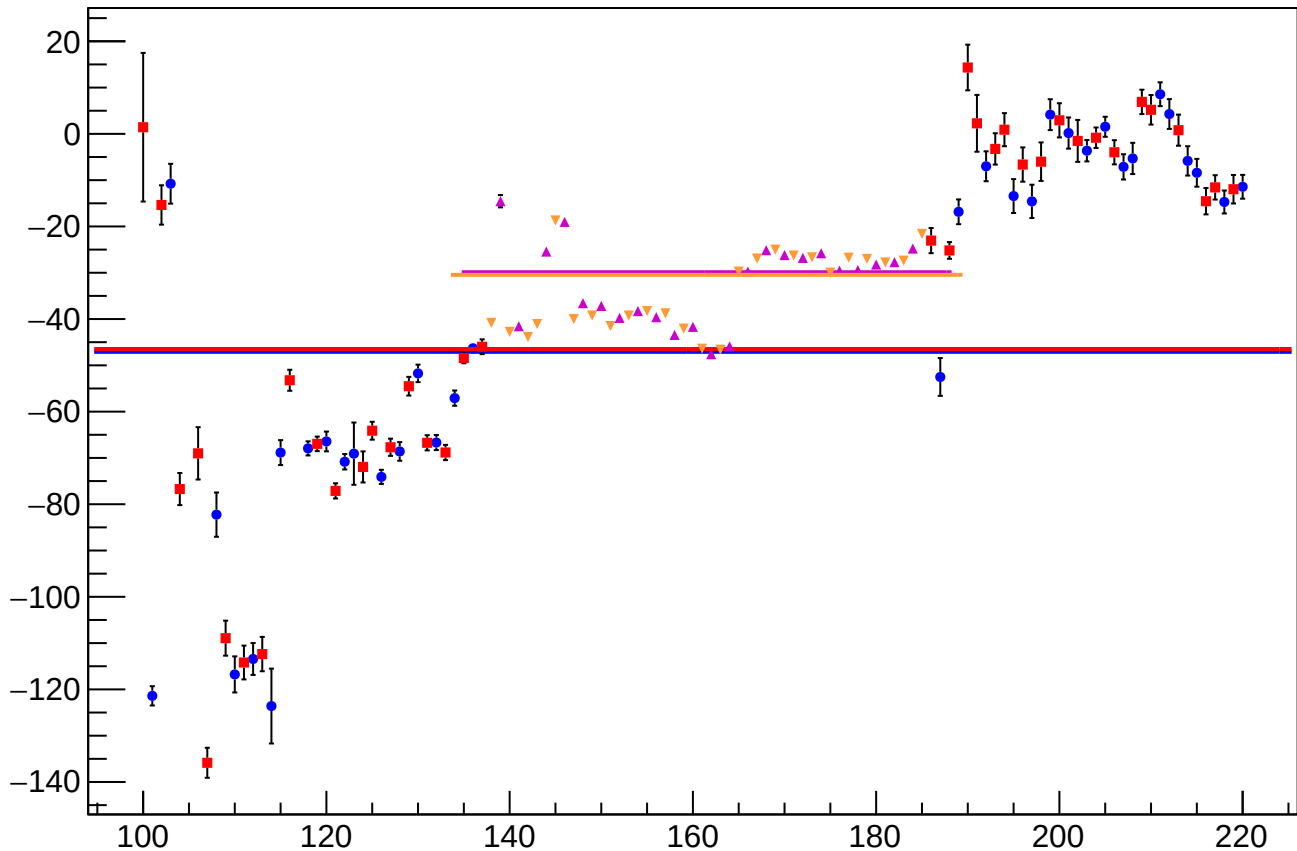
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -36.756 ± 0.086 χ^2/NDF : 18194.7/58

All: -36.922 ± 0.061 χ^2/NDF : 40679.0/118

- sign -37.091 ± 0.087 χ^2/NDF : 22476.9/59

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -47.078 $\pm$ 0.379 χ^2 /NDF: 6865.7/33

Left Out: -30.448 $\pm$ 0.082 χ^2 /NDF: 8167.7/24

Right Out: -46.465 $\pm$ 0.400 χ^2 /NDF: 6241.9/36

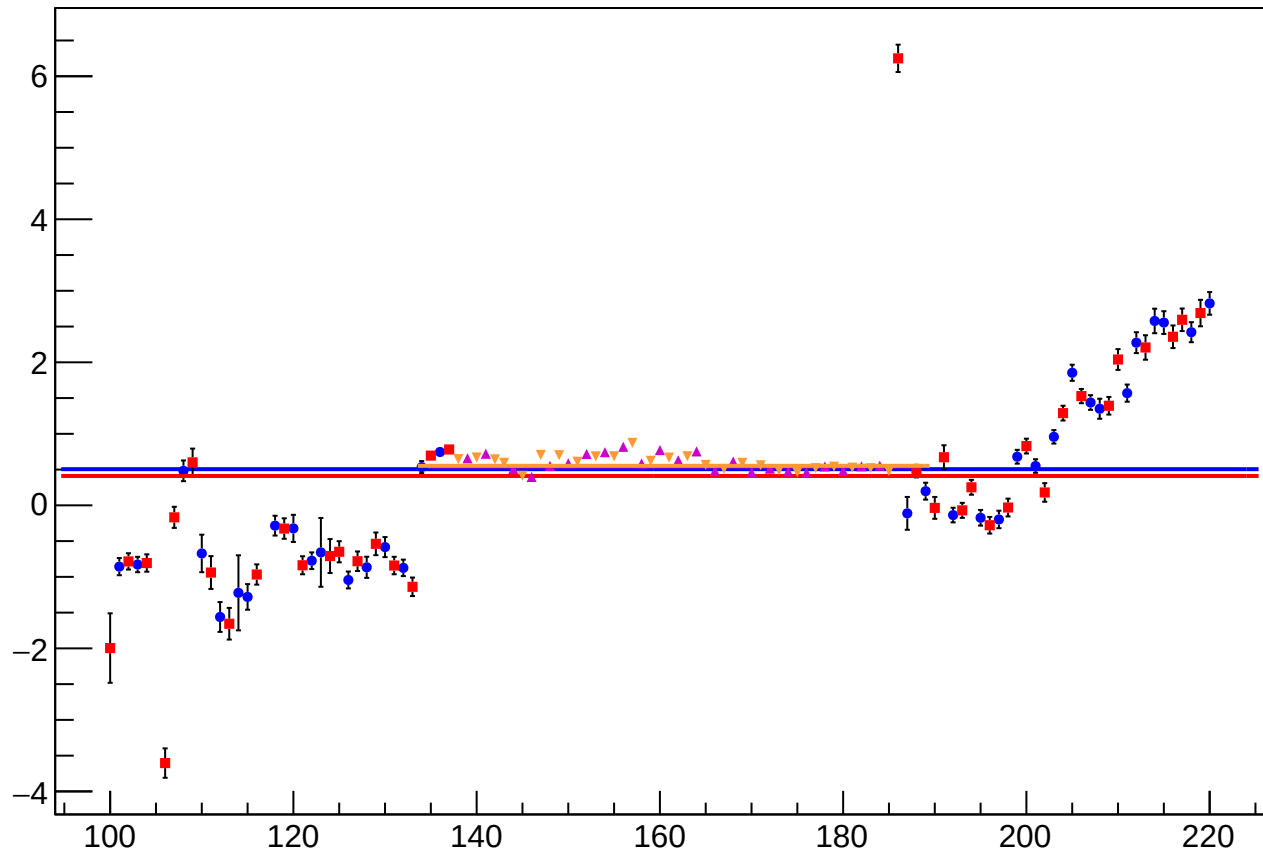
Left In: -29.892 $\pm$ 0.083 χ^2 /NDF: 7115.0/22

+ sign -31.185 $\pm$ 0.080 χ^2 /NDF: 16876.5/58

All: -30.882 $\pm$ 0.057 χ^2 /NDF: 31910.8/118

- sign -30.570 $\pm$ 0.081 χ^2 /NDF: 15005.0/59

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.506 ± 0.019 χ^2/NDF : 2554.0/33

Left Out: 0.553 ± 0.004 χ^2/NDF : 542.1/24

Right Out: 0.411 ± 0.020 χ^2/NDF : 3504.3/36

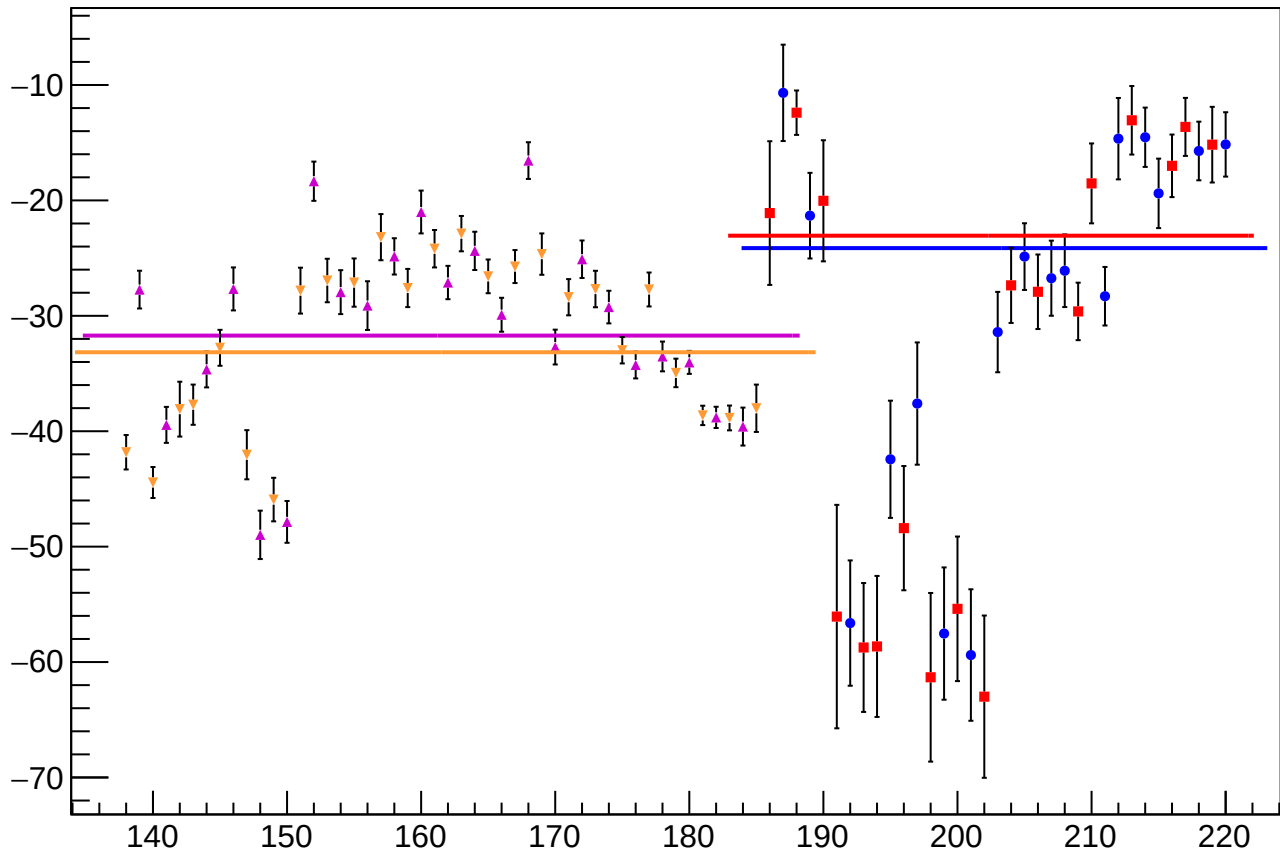
Left In: 0.544 ± 0.004 χ^2/NDF : 655.9/22

+ sign 0.551 ± 0.004 χ^2/NDF : 3102.3/58

All: 0.545 ± 0.003 χ^2/NDF : 7312.2/118

- sign 0.539 ± 0.004 χ^2/NDF : 4204.5/59

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -24.134 ± 0.822 χ^2/NDF : 191.7/16

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -23.058 ± 0.834 χ^2/NDF : 274.9/17

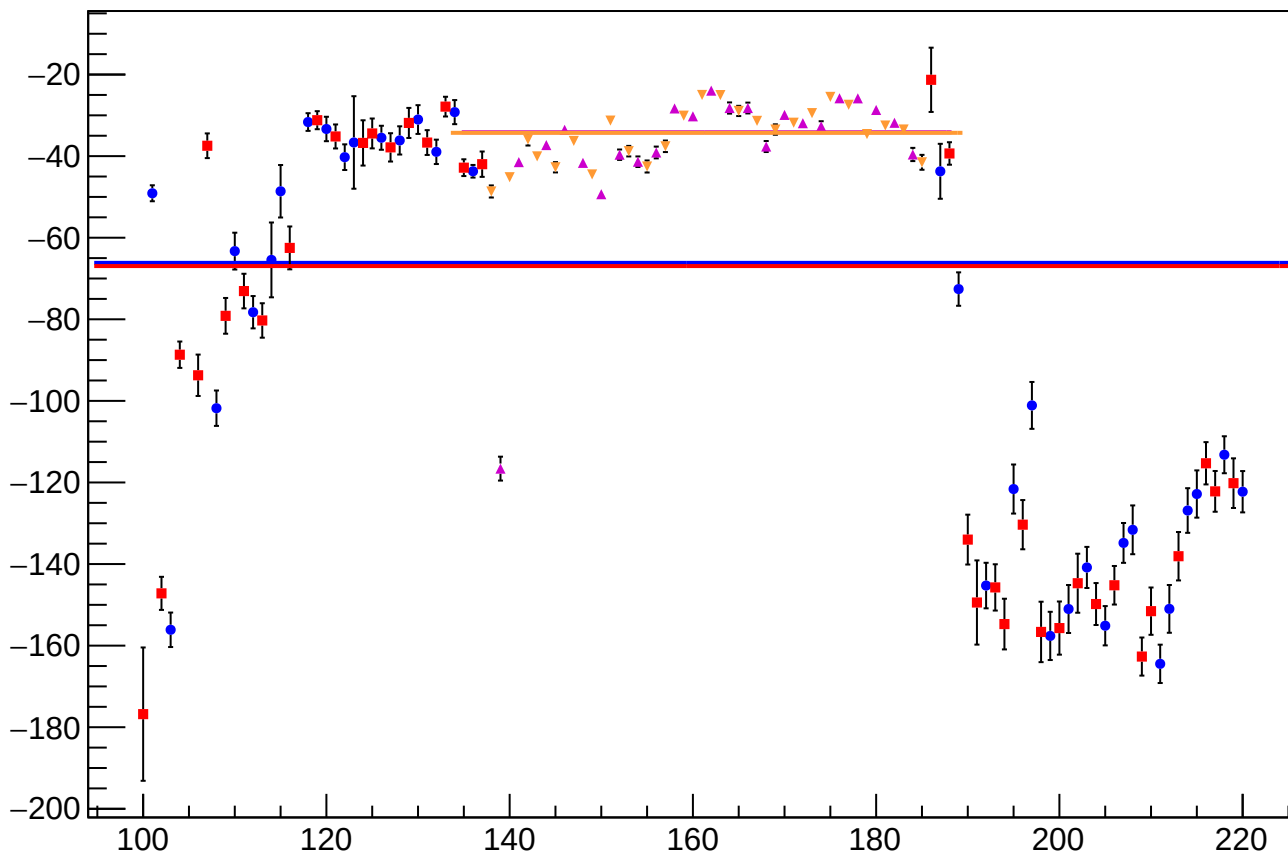
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -32.096 ± 0.282 χ^2/NDF : 798.0/41

All: -31.403 ± 0.202 χ^2/NDF : 1722.2/82

- sign -30.671 ± 0.290 χ^2/NDF : 911.8/40

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -66.164 ± 0.635 $\chi^2/\text{NDF}: 4552.6/33$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -66.950 ± 0.655 $\chi^2/\text{NDF}: 4699.5/36$

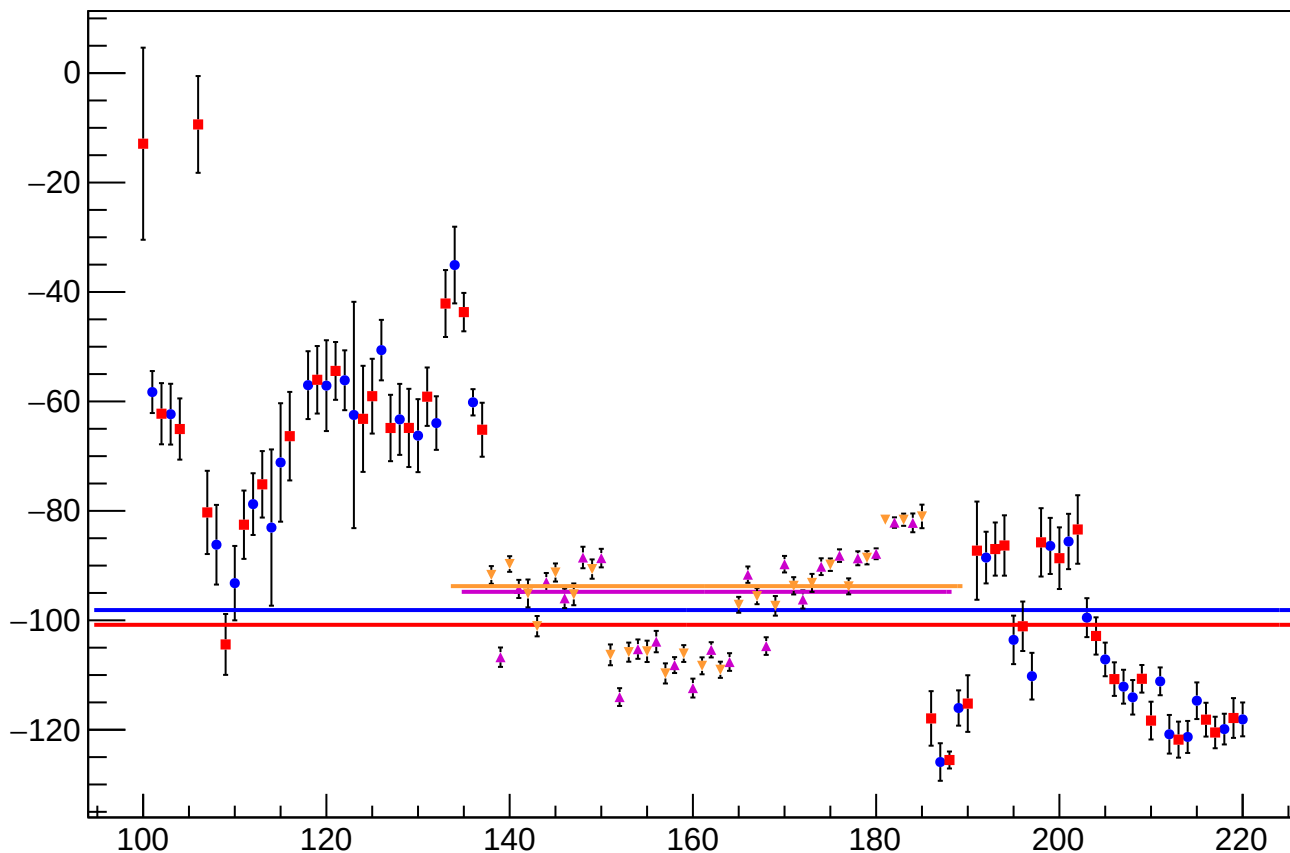
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -38.315 ± 0.226 $\chi^2/\text{NDF}: 7450.2/58$

All: -38.328 ± 0.163 $\chi^2/\text{NDF}: 15790.4/118$

- sign -38.341 ± 0.234 $\chi^2/\text{NDF}: 8340.2/59$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -98.127 ± 0.699 $\chi^2/\text{NDF}: 1239.9/33$

Left Out: -93.754 ± 0.302 $\chi^2/\text{NDF}: 883.1/24$

Right Out: -100.823 ± 0.696 $\chi^2/\text{NDF}: 1488.0/36$

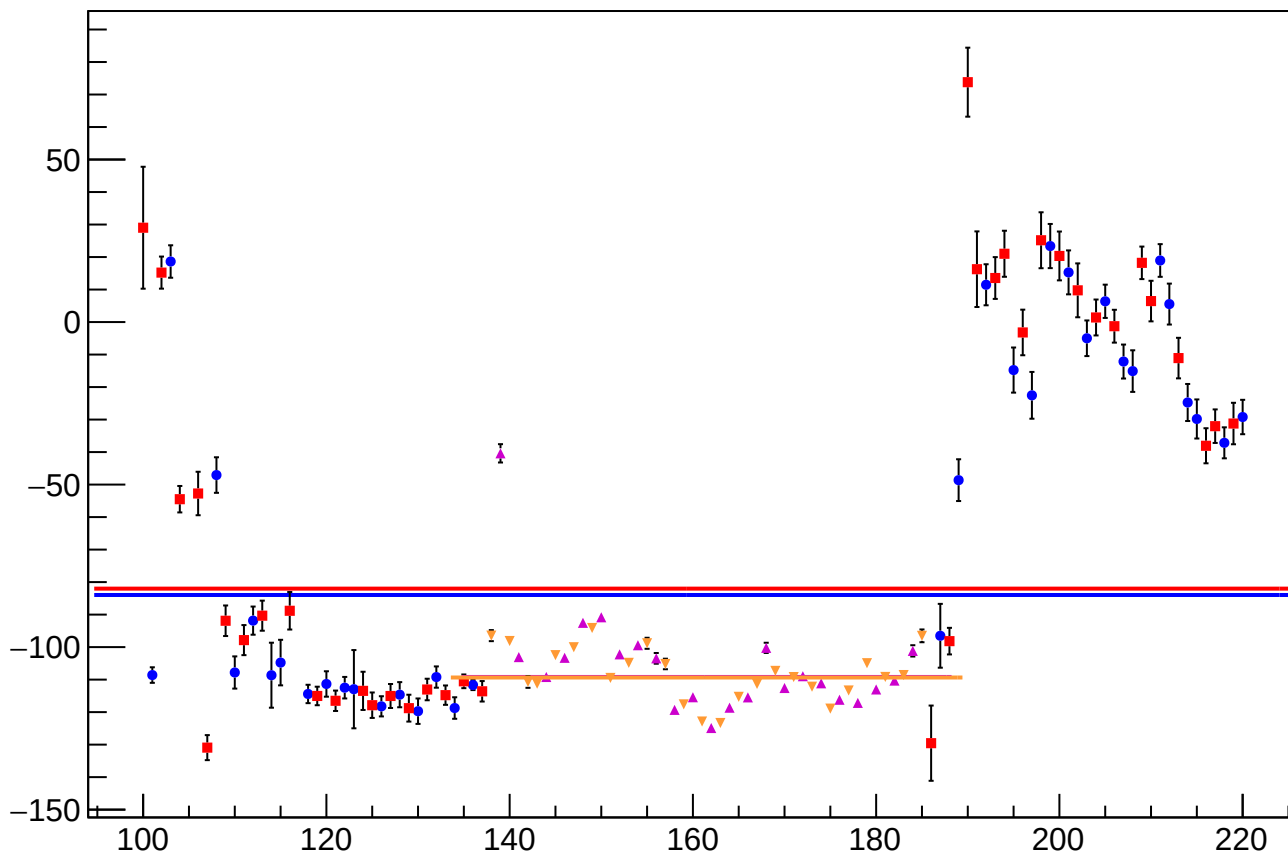
Left In: -94.796 ± 0.308 $\chi^2/\text{NDF}: 974.7/22$

+ sign -94.441 ± 0.277 $\chi^2/\text{NDF}: 2156.0/58$

All: -95.101 ± 0.198 $\chi^2/\text{NDF}: 4692.8/118$

- sign -95.785 ± 0.282 $\chi^2/\text{NDF}: 2525.3/59$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -83.965 ± 0.712 χ^2/NDF : 4349.7/33

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -82.009 ± 0.746 χ^2/NDF : 4469.9/36

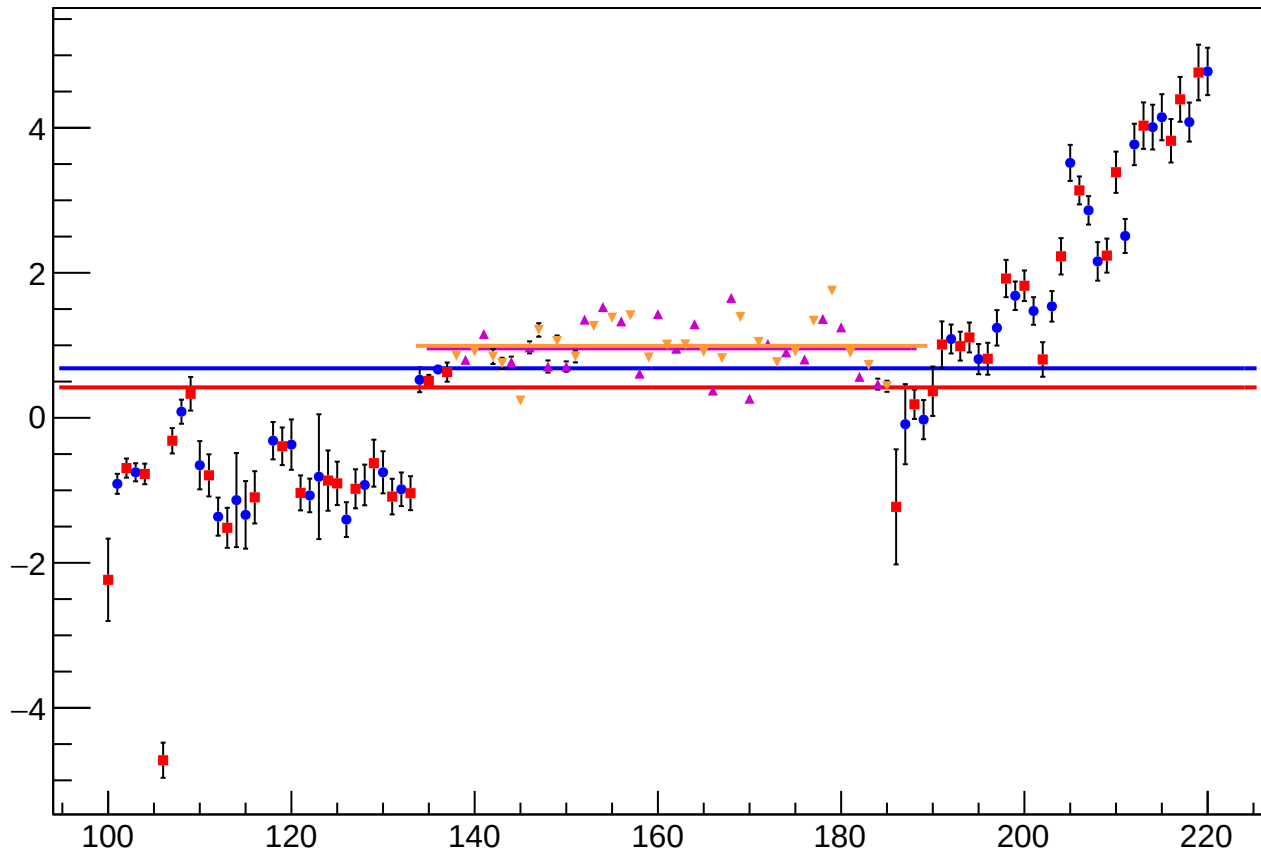
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -106.134 ± 0.253 χ^2/NDF : 6286.6/58

All: -105.987 ± 0.182 χ^2/NDF : 13421.9/118

- sign -105.830 ± 0.262 χ^2/NDF : 7134.6/59

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.683 ± 0.034 χ^2/NDF : 1743.8/33

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: 0.420 ± 0.035 χ^2/NDF : 1991.0/36

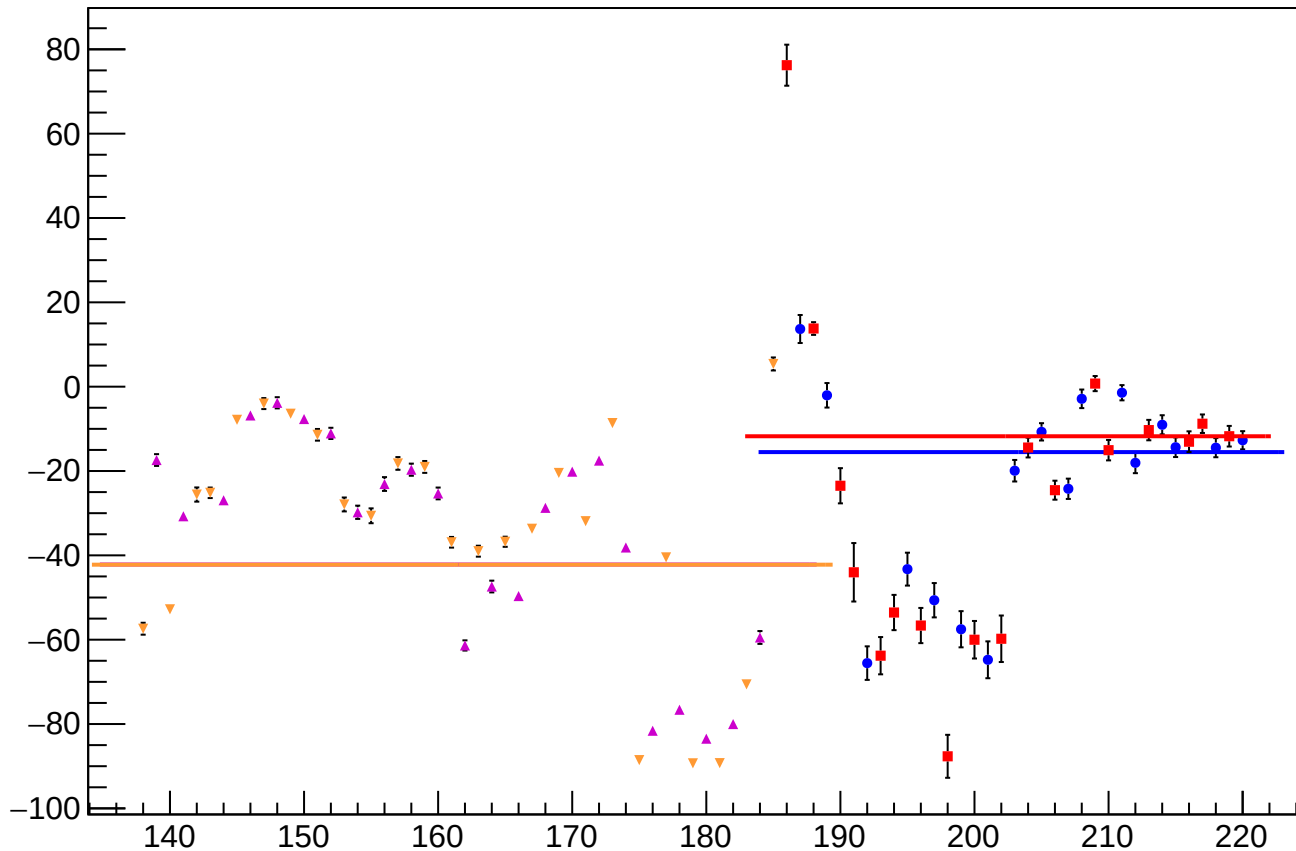
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.957 ± 0.012 χ^2/NDF : 2454.4/58

All: 0.928 ± 0.008 χ^2/NDF : 5557.2/118

- sign 0.897 ± 0.012 χ^2/NDF : 3089.9/59

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -15.513 ± 0.628 χ^2/NDF : 731.4/16

Left Out: -42.213 ± 0.222 χ^2/NDF : 18309.1/24

Right Out: -11.759 ± 0.643 χ^2/NDF : 1499.4/17

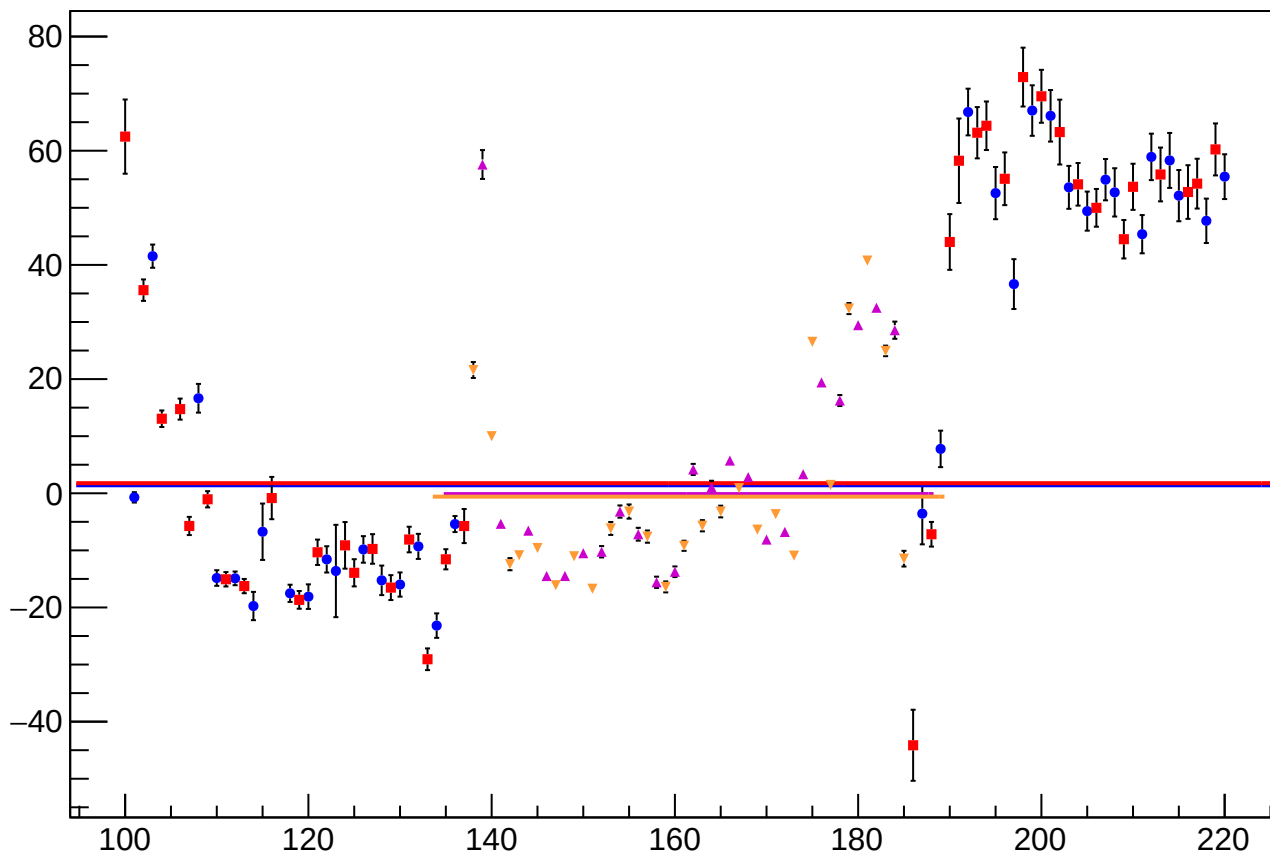
Left In: -42.176 ± 0.227 χ^2/NDF : 14575.9/22

+ sign -39.248 ± 0.209 χ^2/NDF : 20646.7/41

All: -39.031 ± 0.150 χ^2/NDF : 38713.3/82

- sign -38.804 ± 0.214 χ^2/NDF : 18064.5/40

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 1.402 ± 0.394 χ^2/NDF : 4023.3/33

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: 1.768 ± 0.392 χ^2/NDF : 4180.4/36

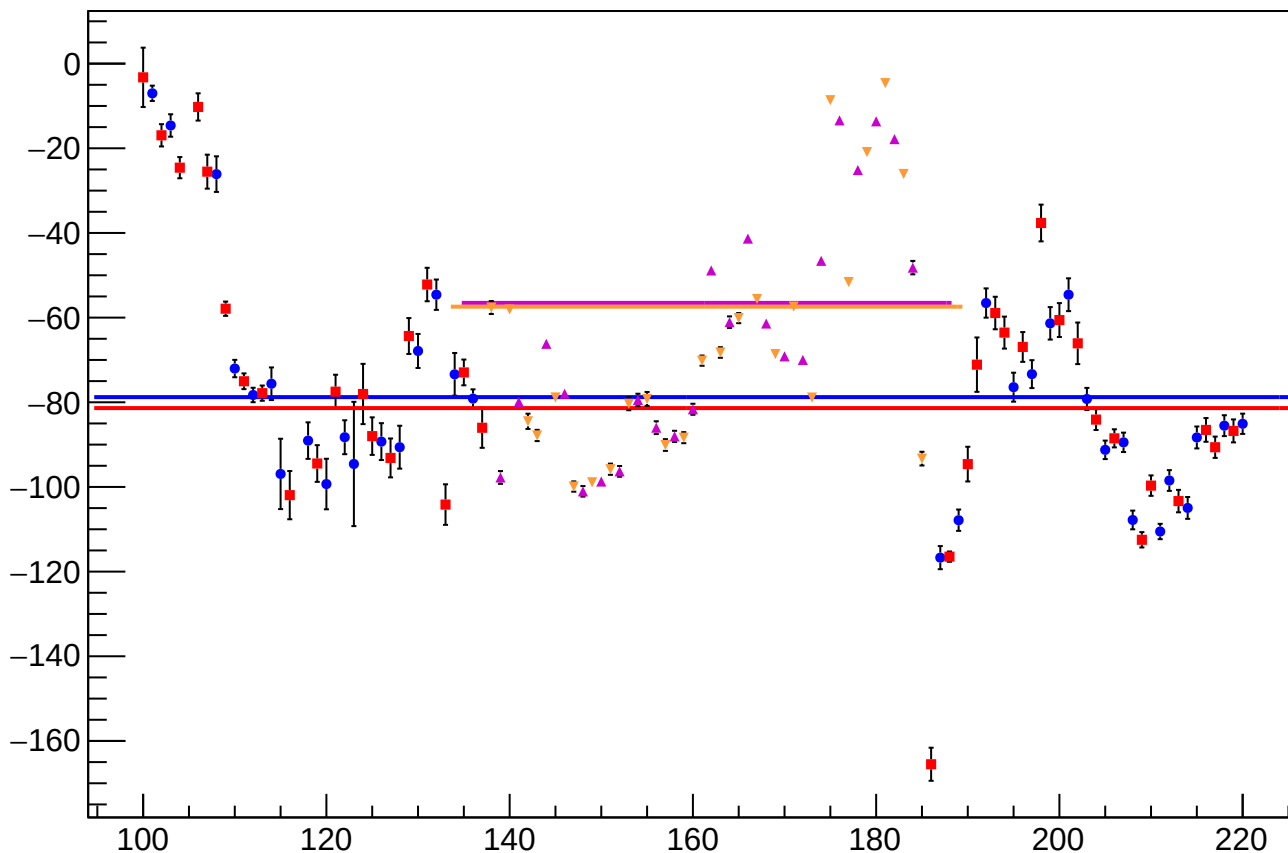
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -0.264 ± 0.159 χ^2/NDF : 12795.6/58

All: -0.043 ± 0.114 χ^2/NDF : 23862.0/118

- sign 0.188 ± 0.163 χ^2/NDF : 11062.5/59

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -78.781 ± 0.480 $\chi^2/\text{NDF}: 3569.7/33$

Left Out: -57.413 ± 0.223 $\chi^2/\text{NDF}: 18604.1/24$

Right Out: -81.374 ± 0.465 $\chi^2/\text{NDF}: 4231.9/36$

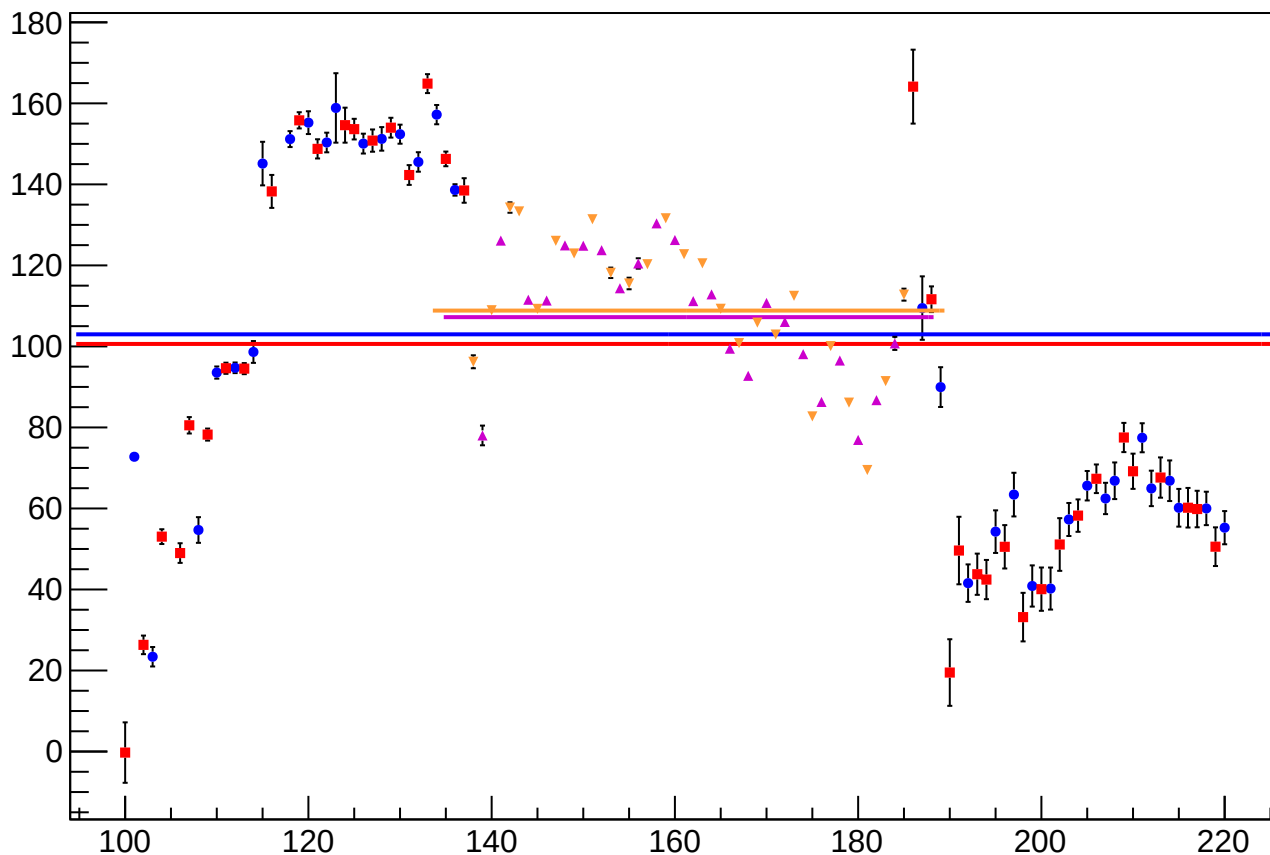
Left In: -56.519 ± 0.227 $\chi^2/\text{NDF}: 16352.6/22$

+ sign -61.211 ± 0.202 $\chi^2/\text{NDF}: 23802.6/58$

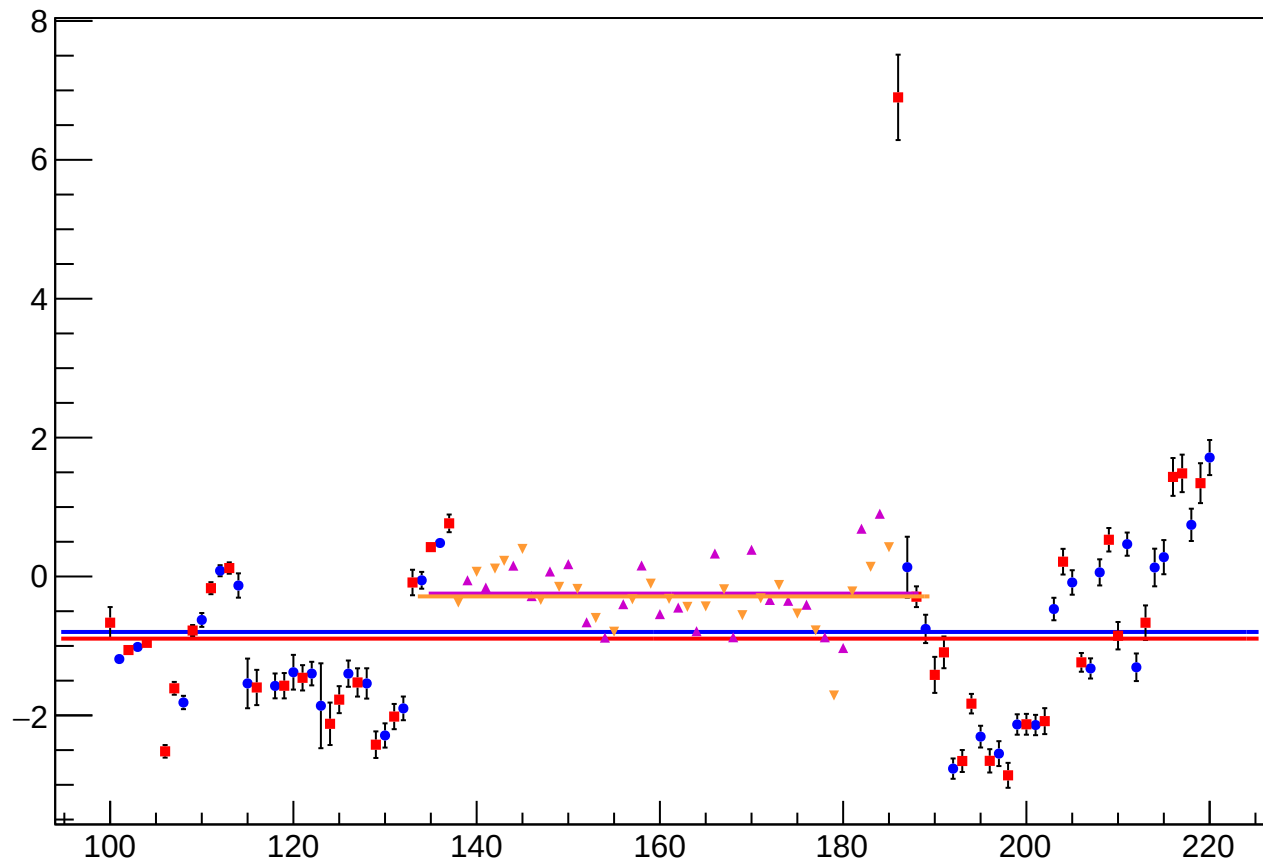
All: -61.260 ± 0.144 $\chi^2/\text{NDF}: 46697.1/118$

- sign -61.310 ± 0.204 $\chi^2/\text{NDF}: 22894.4/59$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



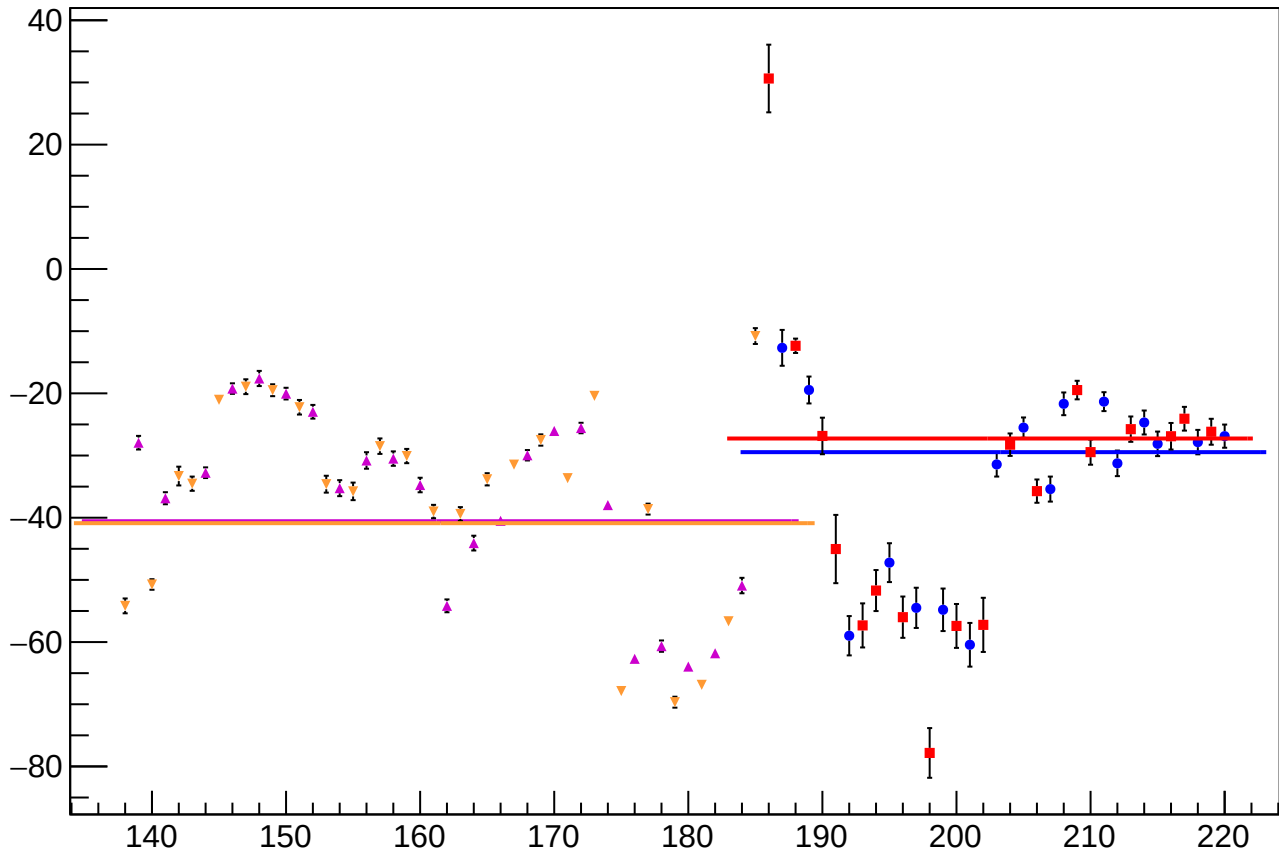
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.799 ± 0.022 χ^2/NDF : 1837.9/33
 Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24
 Right Out: -0.895 ± 0.021 χ^2/NDF : 2327.4/36
 Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.360 ± 0.008 χ^2/NDF : 4342.6/58
 All: -0.354 ± 0.006 χ^2/NDF : 10239.8/118
 - sign -0.349 ± 0.008 χ^2/NDF : 5896.5/59

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -29.457 ± 0.518 $\chi^2/\text{NDF}: 439.5/16$

Left Out: -40.880 ± 0.186 $\chi^2/\text{NDF}: 9123.2/24$

Right Out: -27.263 ± 0.524 $\chi^2/\text{NDF}: 825.2/17$

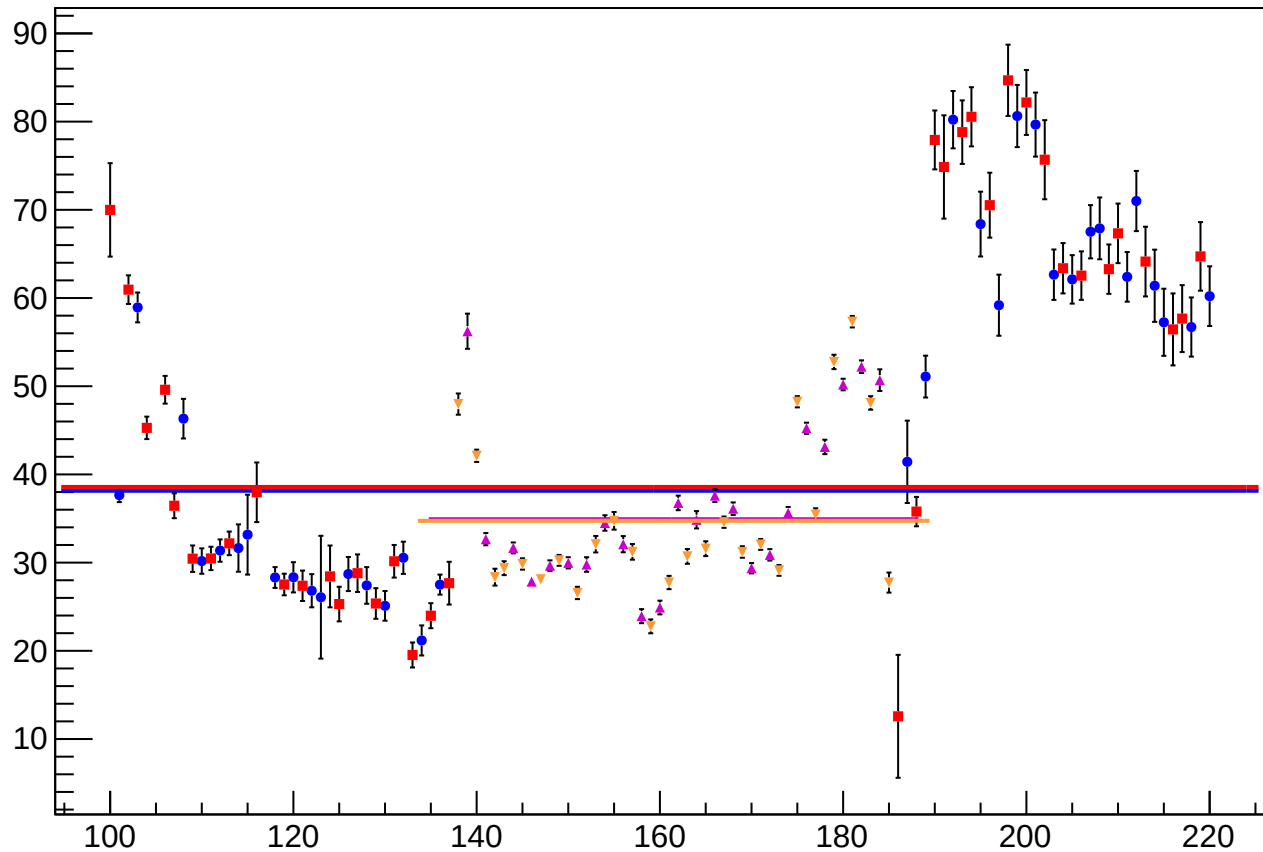
Left In: -40.567 ± 0.190 $\chi^2/\text{NDF}: 6954.7/22$

+ sign -39.575 ± 0.175 $\chi^2/\text{NDF}: 9993.0/41$

All: -39.304 ± 0.125 $\chi^2/\text{NDF}: 18347.1/82$

- sign -39.024 ± 0.179 $\chi^2/\text{NDF}: 8349.2/40$

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 38.149 $\pm$ 0.340 χ^2 /NDF: 1879.9/33

Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF:3693.2/24

Right Out: 38.580 $\pm$ 0.341 χ^2 /NDF: 2301.2/36

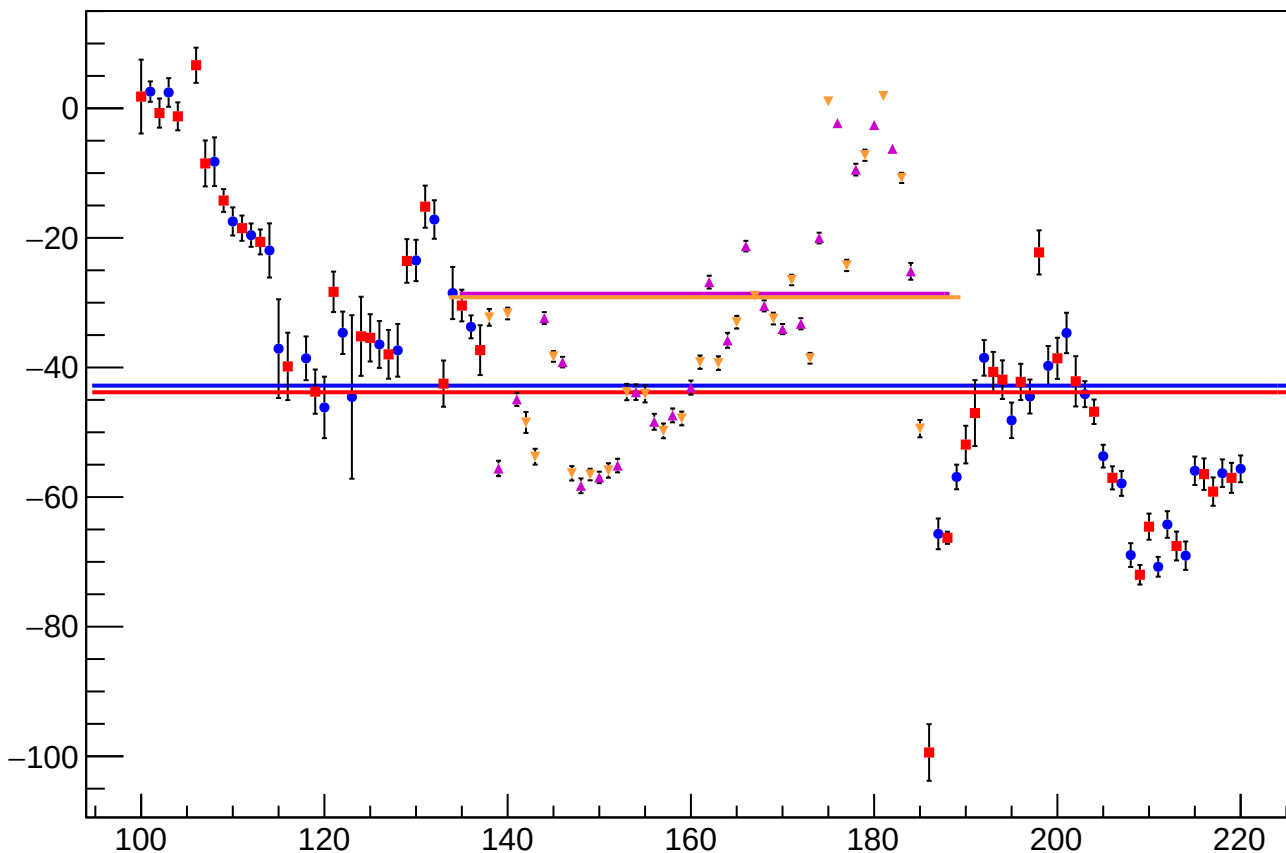
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF:2672.9/22

+ sign 35.281 $\pm$ 0.135 χ^2 /NDF: 5657.7/58

All: 35.401 $\pm$ 0.097 χ^2 /NDF: 10729.6/118

- sign 35.526 $\pm$ 0.139 χ^2 /NDF: 5070.3/59

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -42.800 ± 0.408 χ^2/NDF : 2997.3/33

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -43.827 ± 0.395 χ^2/NDF : 3568.6/36

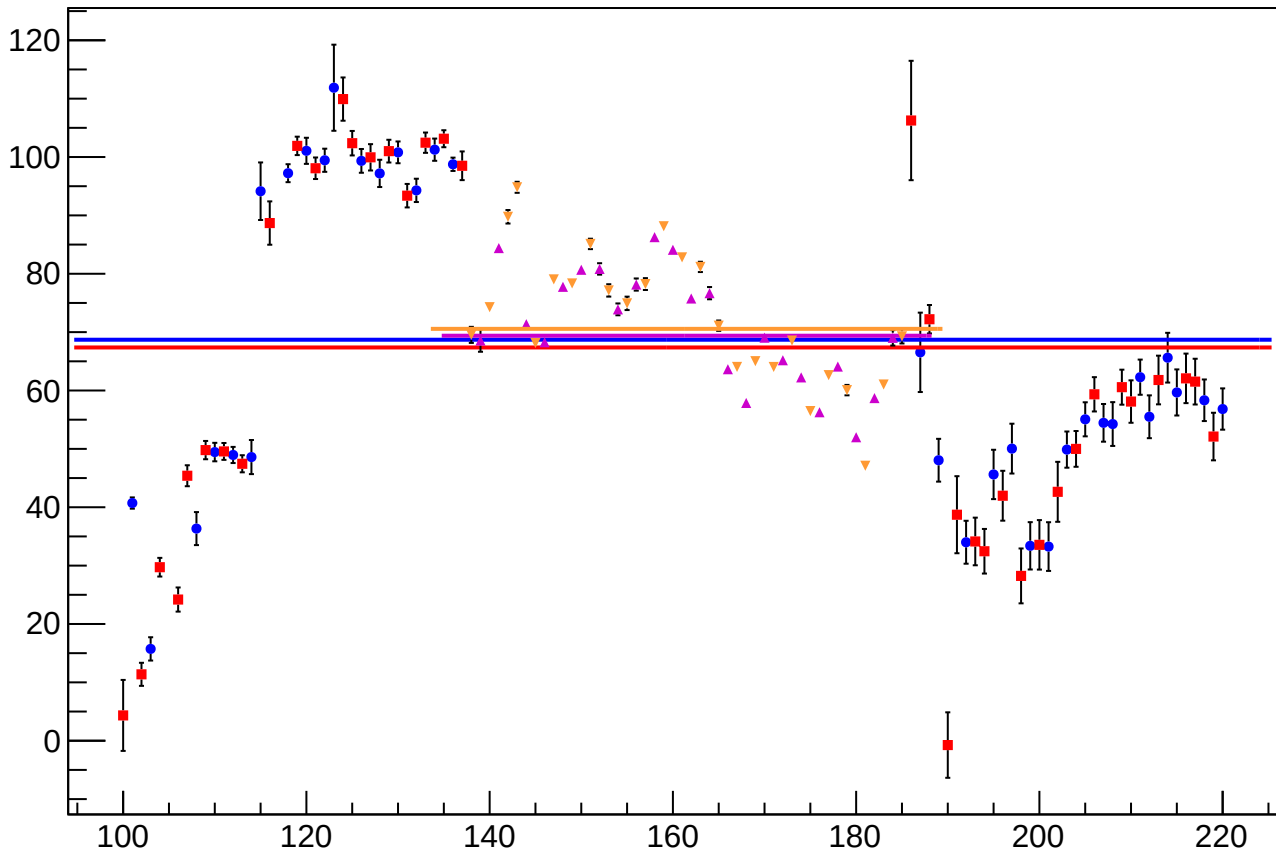
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -31.527 ± 0.170 χ^2/NDF : 14044.9/58

All: -31.498 ± 0.121 χ^2/NDF : 27858.6/118

- sign -31.469 ± 0.171 χ^2/NDF : 13813.6/59

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 68.699 ± 0.387 $\chi^2/\text{NDF}: 5205.6/33$

Left Out: 70.563 ± 0.166 $\chi^2/\text{NDF}: 4589.1/24$

Right Out: 67.373 ± 0.392 $\chi^2/\text{NDF}: 6153.4/36$

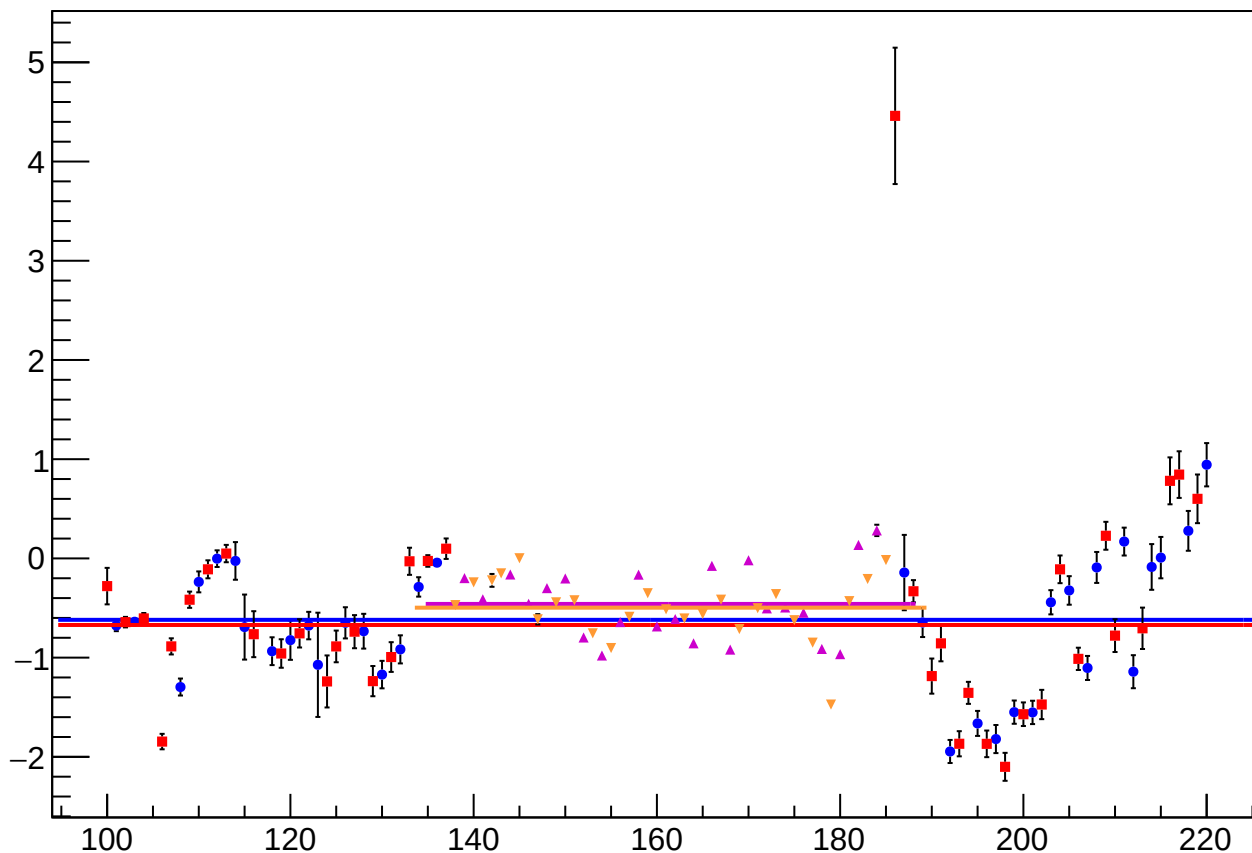
Left In: 69.387 ± 0.170 $\chi^2/\text{NDF}: 3321.8/22$

+ sign 70.272 ± 0.153 $\chi^2/\text{NDF}: 9814.3/58$

All: 69.683 ± 0.109 $\chi^2/\text{NDF}: 19342.2/118$

- sign 69.067 ± 0.156 $\chi^2/\text{NDF}: 9497.5/59$

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.619 ± 0.019 χ^2/NDF : 890.5/33

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.671 ± 0.018 χ^2/NDF : 1230.0/36

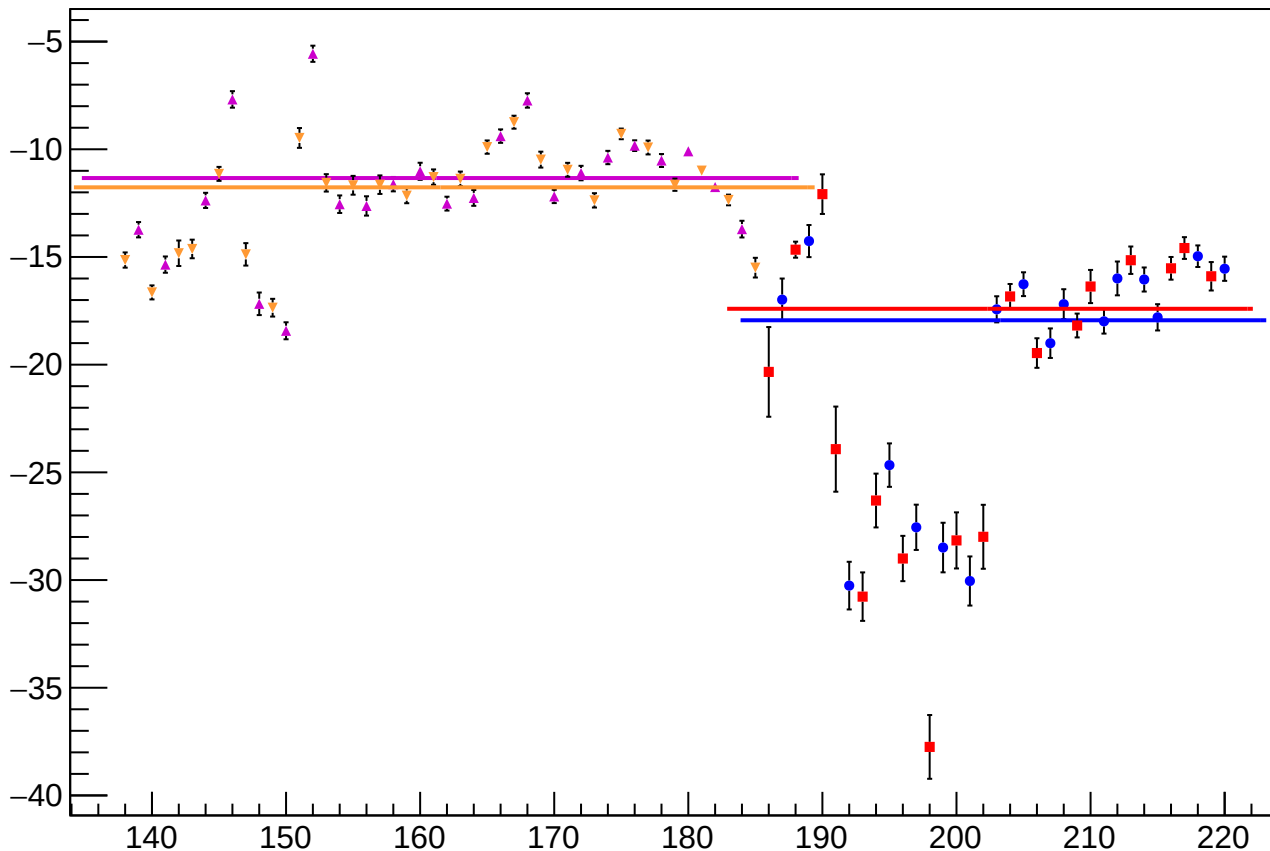
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.514 ± 0.007 χ^2/NDF : 2375.7/58

All: -0.502 ± 0.005 χ^2/NDF : 5683.1/118

- sign -0.491 ± 0.007 χ^2/NDF : 3302.2/59

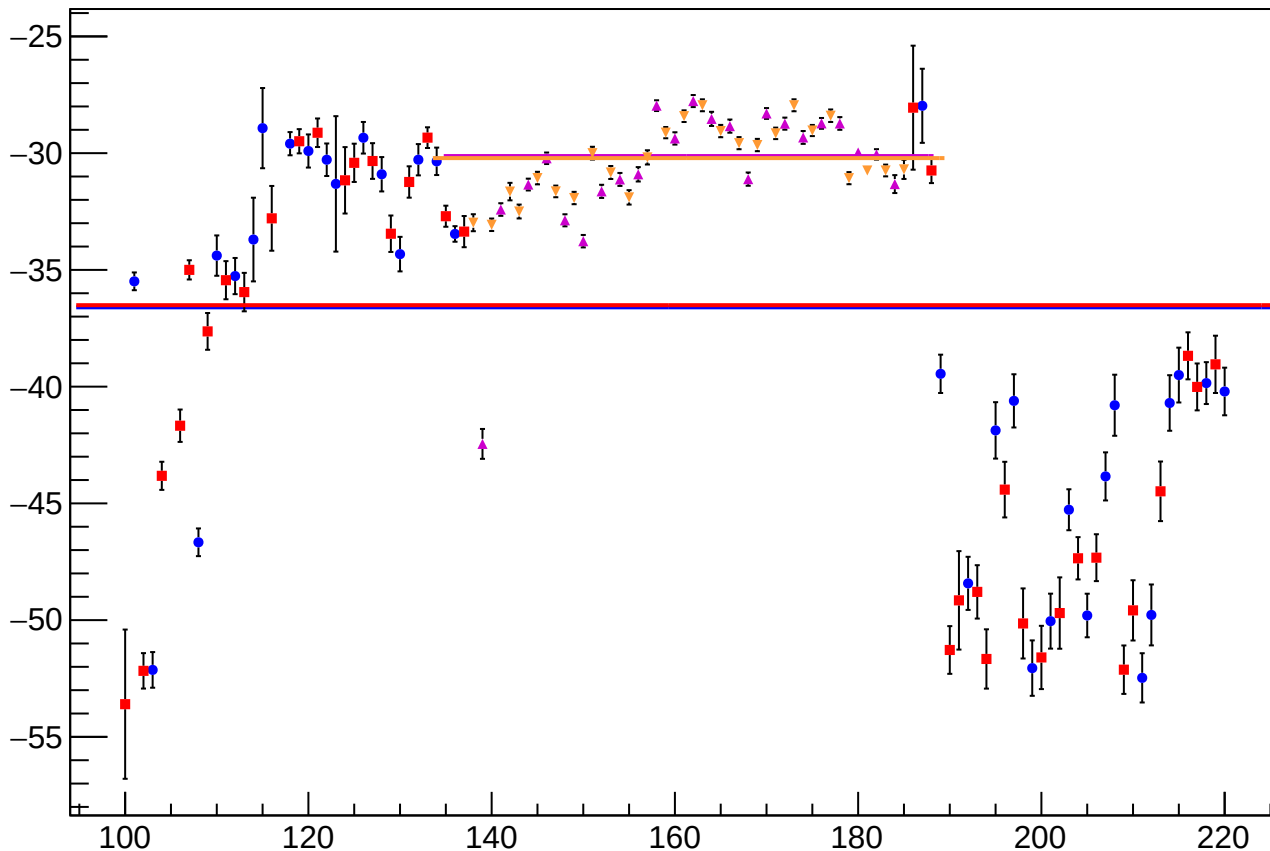
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -17.939 ± 0.169 $\chi^2/\text{NDF}: 558.6/16$
 Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$
 Right Out: -17.406 ± 0.169 $\chi^2/\text{NDF}: 797.3/17$
 Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -12.598 ± 0.062 $\chi^2/\text{NDF}: 2734.2/41$
 All: -12.395 ± 0.044 $\chi^2/\text{NDF}: 5934.4/82$
 - sign -12.184 ± 0.063 $\chi^2/\text{NDF}: 3178.2/40$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.603 ± 0.131 χ^2/NDF : 2801.6/33

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -36.511 ± 0.130 χ^2/NDF : 3178.7/36

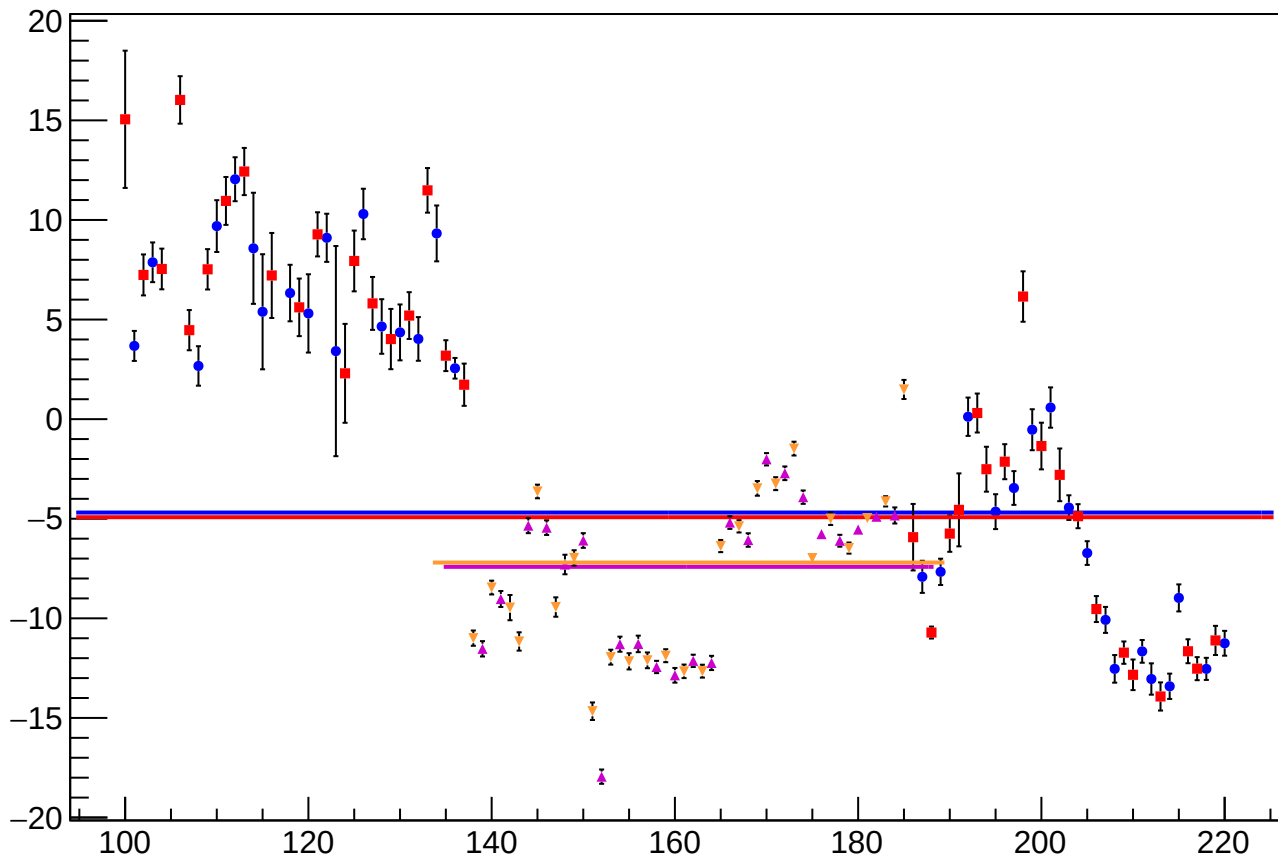
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -31.132 ± 0.050 χ^2/NDF : 5561.5/58

All: -31.120 ± 0.036 χ^2/NDF : 12006.4/118

- sign -31.108 ± 0.051 χ^2/NDF : 6444.8/59

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -4.689 ± 0.144 χ^2/NDF : 2645.5/33

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -4.923 ± 0.140 χ^2/NDF : 3465.2/36

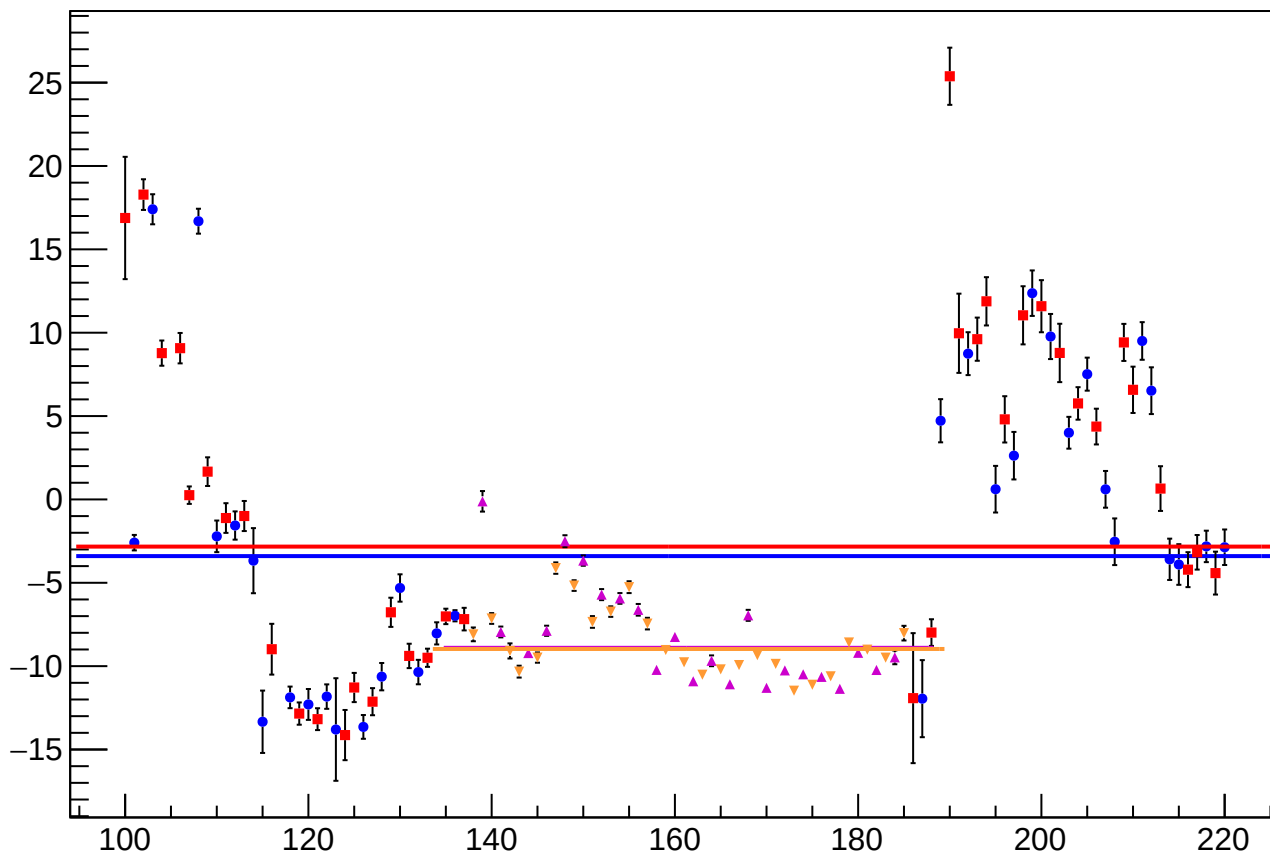
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.754 ± 0.061 χ^2/NDF : 5932.5/58

All: -6.847 ± 0.043 χ^2/NDF : 12781.4/118

- sign -6.942 ± 0.061 χ^2/NDF : 6844.2/59

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.399 ± 0.148 χ^2/NDF : 3014.2/33

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -2.829 ± 0.150 χ^2/NDF : 3240.7/36

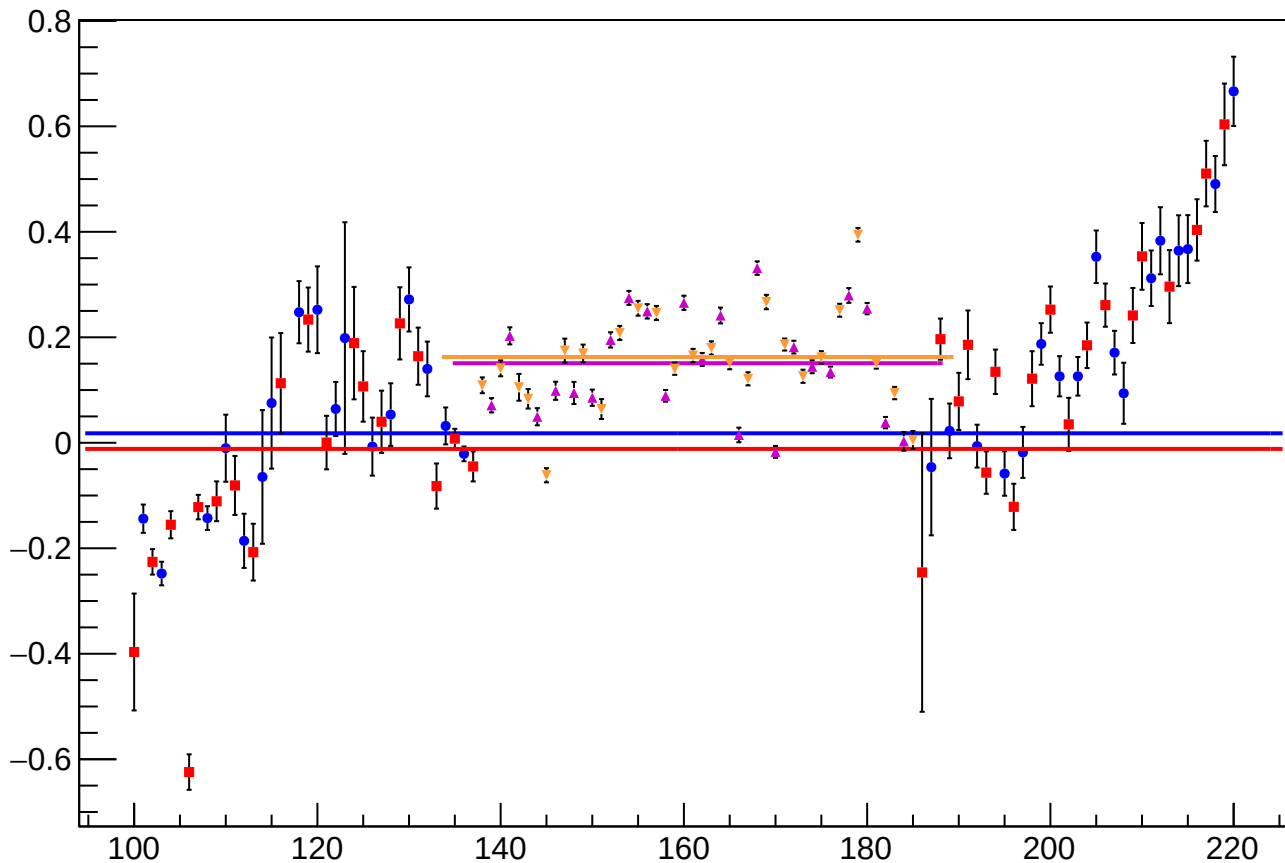
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.179 ± 0.056 χ^2/NDF : 5110.4/58

All: -8.103 ± 0.040 χ^2/NDF : 11289.0/118

- sign -8.024 ± 0.057 χ^2/NDF : 6174.7/59

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: 0.018 ± 0.007 χ^2/NDF : 697.9/33

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.012 ± 0.007 χ^2/NDF : 982.5/36

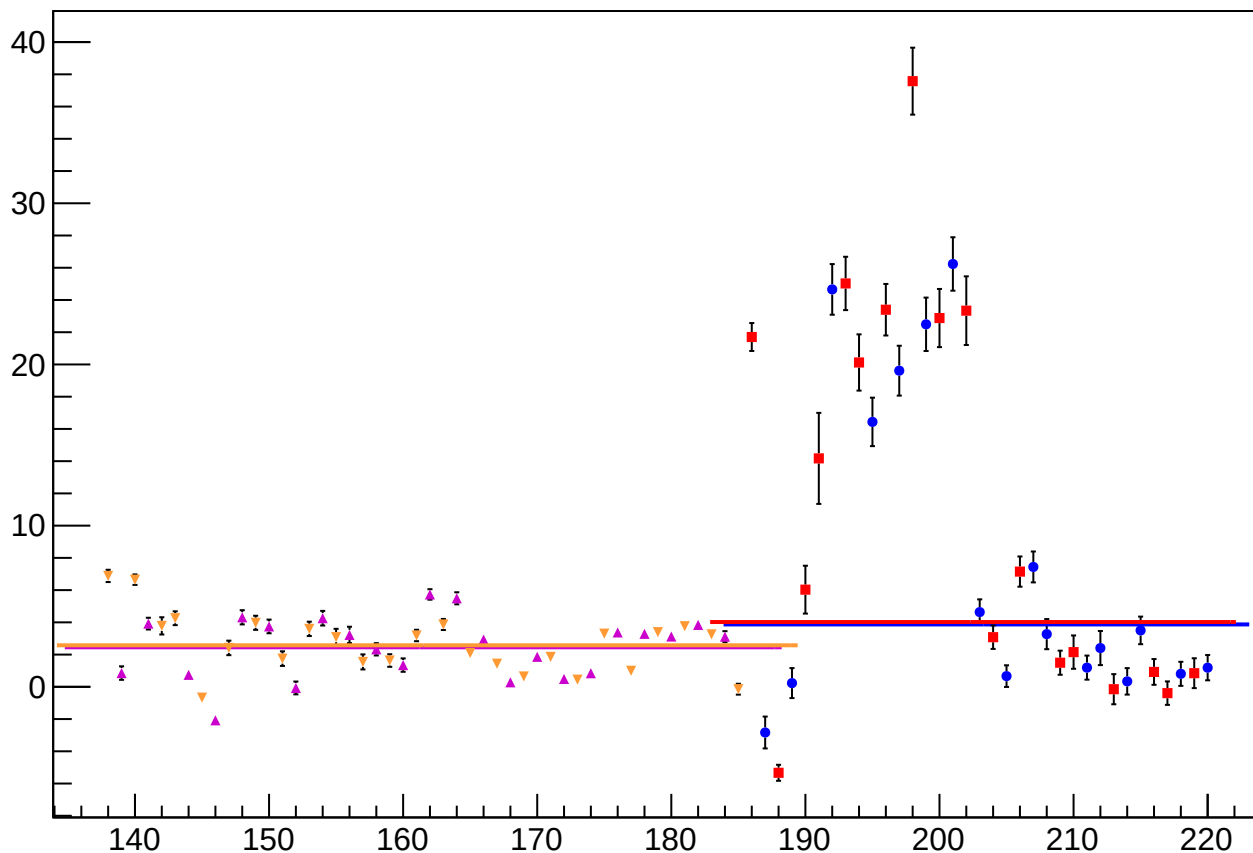
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.143 ± 0.003 χ^2/NDF : 2099.2/58

All: 0.136 ± 0.002 χ^2/NDF : 4861.2/118

- sign 0.128 ± 0.003 χ^2/NDF : 2745.7/59

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 3.872 ± 0.228 χ^2/NDF : 818.3/16

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 4.020 ± 0.227 χ^2/NDF : 1742.7/17

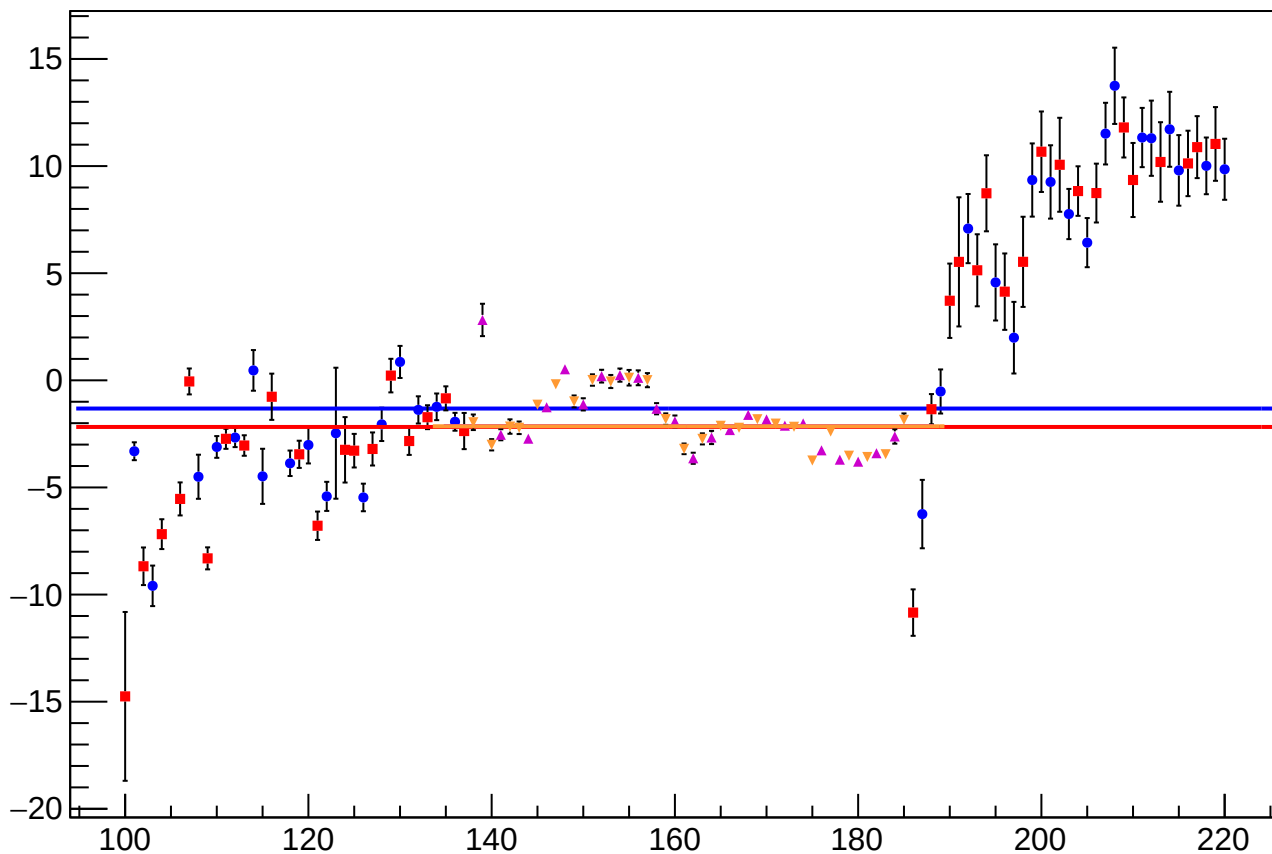
Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

+ sign 2.656 ± 0.056 χ^2/NDF : 1715.9/41

All: 2.605 ± 0.040 χ^2/NDF : 4376.1/82

- sign 2.552 ± 0.057 χ^2/NDF : 2658.5/40

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.317 ± 0.142 $\chi^2/\text{NDF}: 1009.3/33$

Left Out: -2.146 ± 0.048 $\chi^2/\text{NDF}: 573.4/24$

Right Out: -2.177 ± 0.141 $\chi^2/\text{NDF}: 1161.8/36$

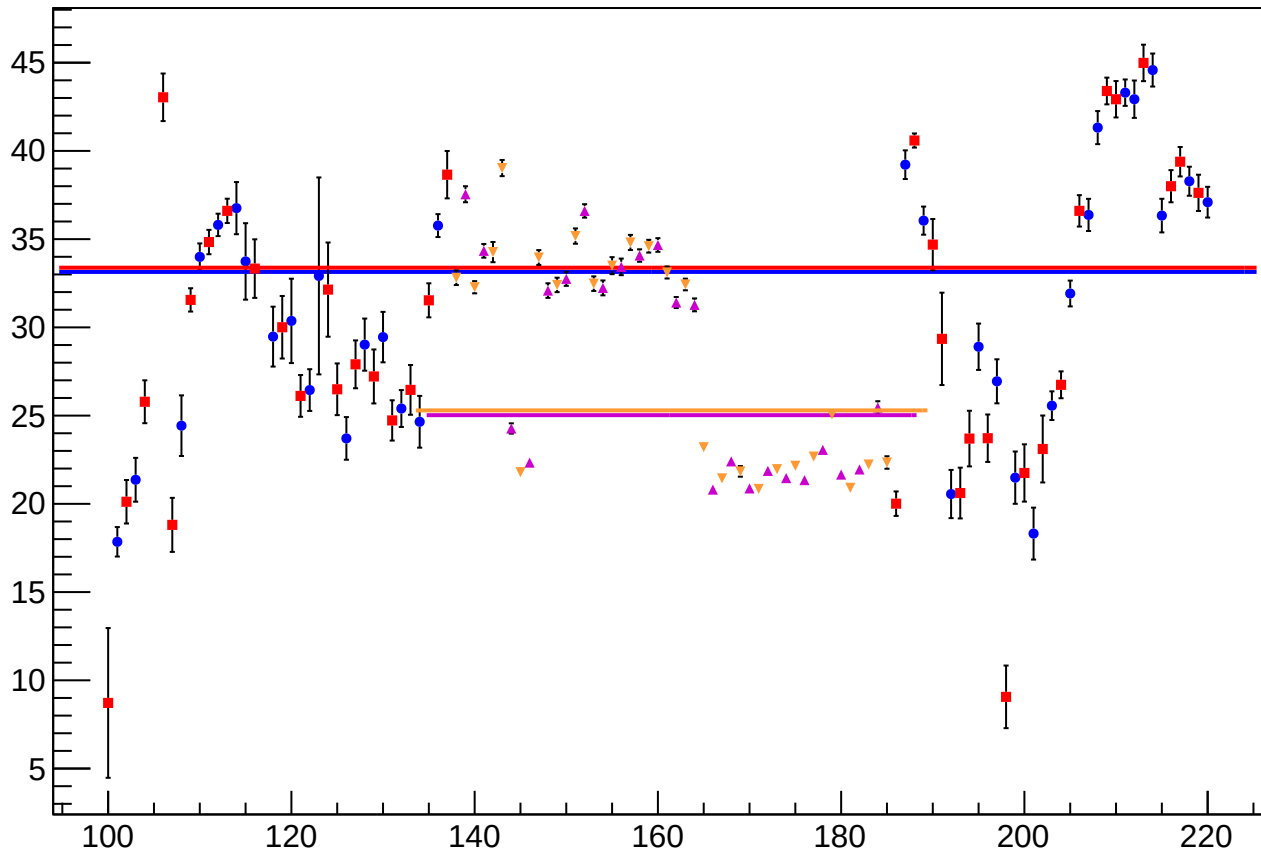
Left In: -2.136 ± 0.048 $\chi^2/\text{NDF}: 691.2/22$

+ sign -2.062 ± 0.045 $\chi^2/\text{NDF}: 1613.2/58$

All: -2.101 ± 0.032 $\chi^2/\text{NDF}: 3467.8/118$

- sign -2.141 ± 0.046 $\chi^2/\text{NDF}: 1853.1/59$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 33.143 $\pm$ 0.174 χ^2 /NDF: 1715.9/33

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 33.382 $\pm$ 0.166 χ^2 /NDF: 2268.2/36

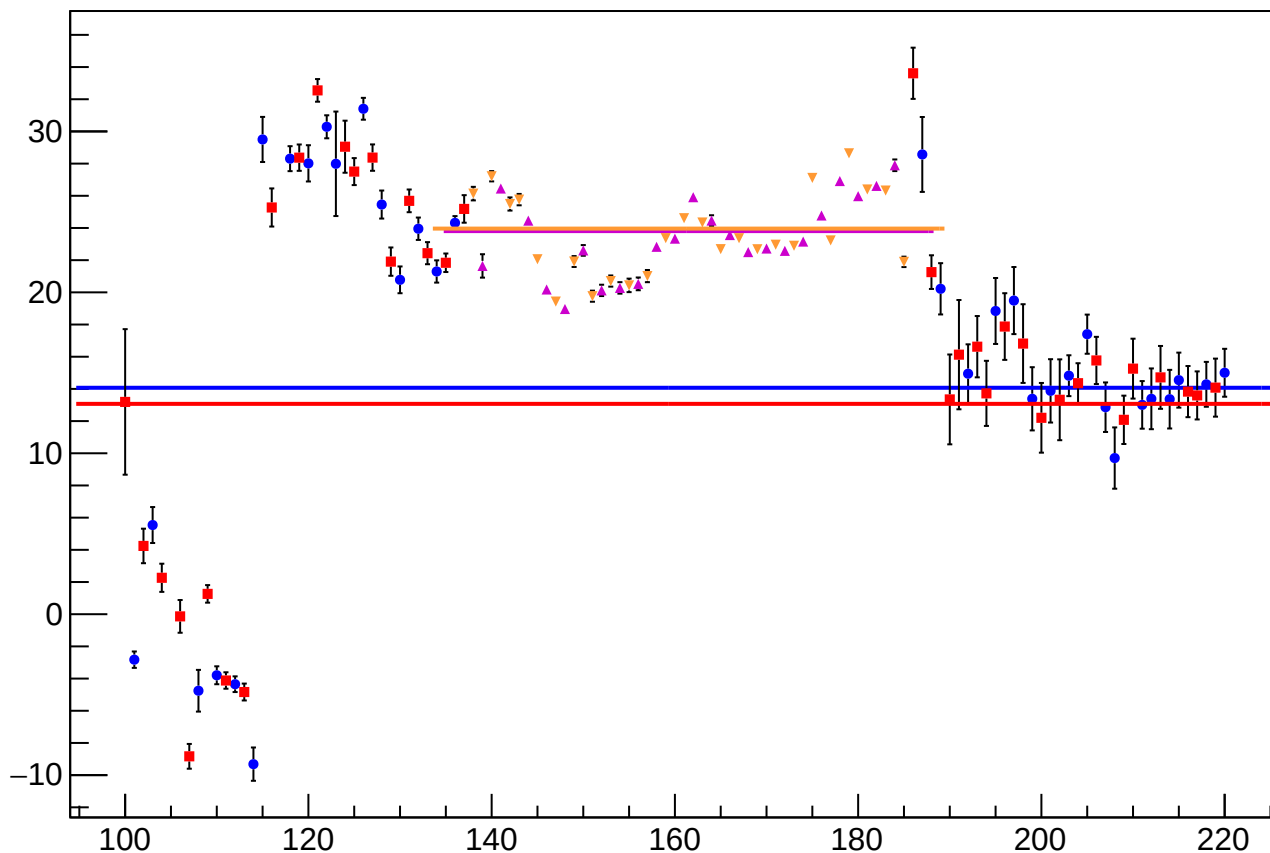
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 26.104 $\pm$ 0.056 χ^2 /NDF: 11820.2/58

All: 26.042 $\pm$ 0.040 χ^2 /NDF: 23947.1/118

- sign 25.980 $\pm$ 0.056 χ^2 /NDF: 12124.5/59

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.071 $\pm$ 0.159 χ^2 /NDF: 7358.0/33

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 13.071 $\pm$ 0.160 χ^2 /NDF: 7215.5/36

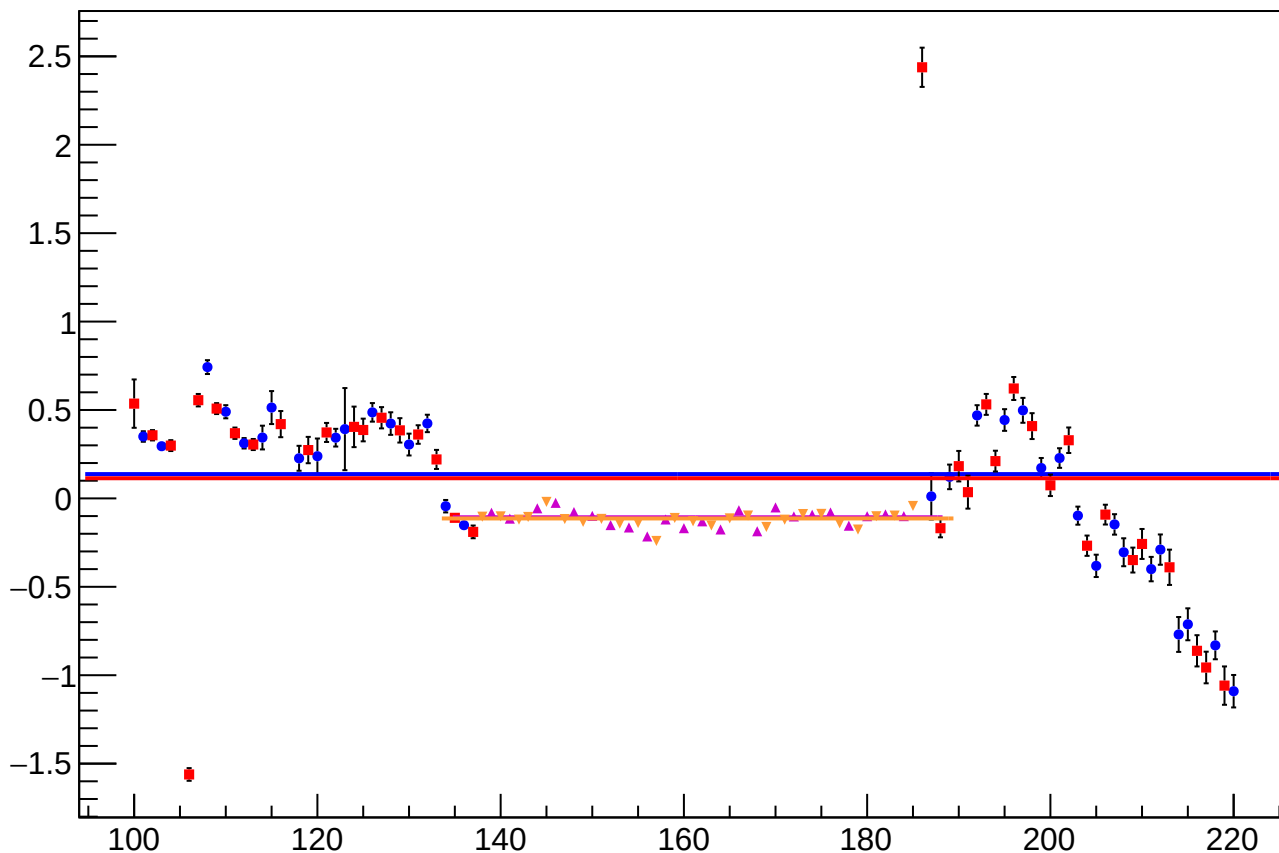
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 22.966 $\pm$ 0.050 χ^2 /NDF: 12765.5/58

All: 22.838 $\pm$ 0.036 χ^2 /NDF: 25799.9/118

- sign 22.705 $\pm$ 0.051 χ^2 /NDF: 13021.2/59

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.137 $\pm$ 0.008 χ^2 /NDF: 1718.7/33

Left Out: -0.113 $\pm$ 0.002 χ^2 /NDF: 291.0/24

Right Out: 0.114 $\pm$ 0.008 χ^2 /NDF: 4158.2/36

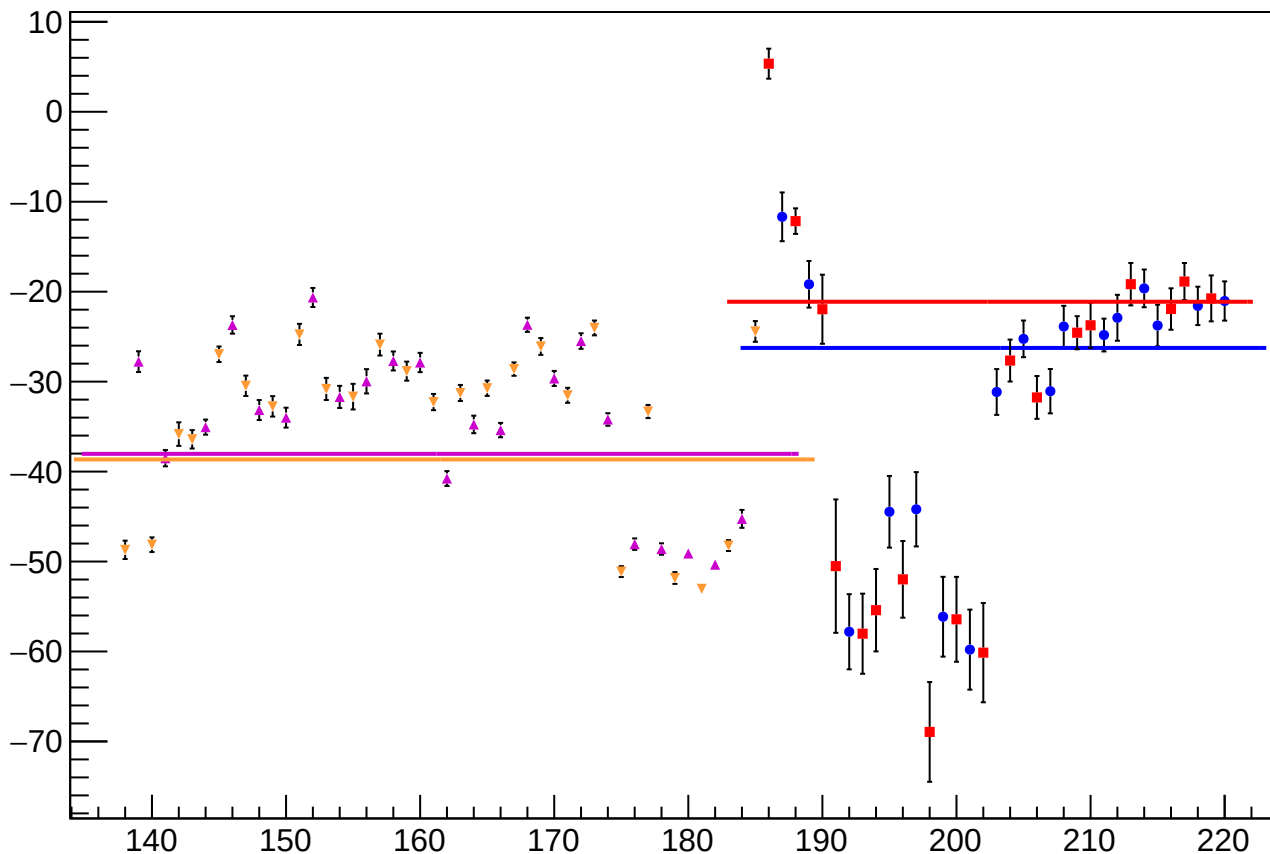
Left In: -0.107 $\pm$ 0.002 χ^2 /NDF: 321.8/22

+ sign -0.093 $\pm$ 0.002 χ^2 /NDF: 2875.5/58

All: -0.091 $\pm$ 0.002 χ^2 /NDF: 8041.2/118

- sign -0.088 $\pm$ 0.002 χ^2 /NDF: 5163.1/59

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -26.254 ± 0.619 χ^2/NDF : 268.2/16

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -21.119 ± 0.600 χ^2/NDF : 698.9/17

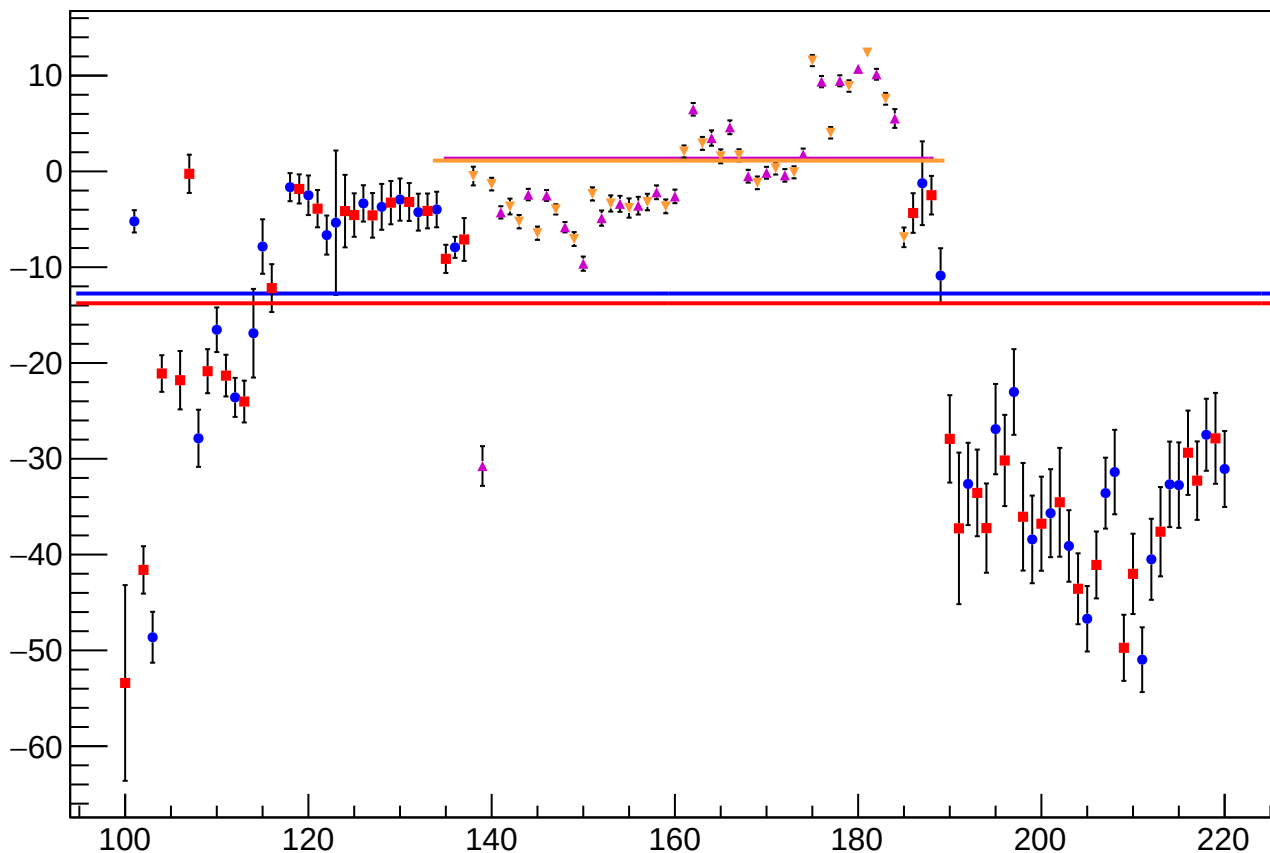
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -37.789 ± 0.163 χ^2/NDF : 4718.6/41

All: -37.269 ± 0.116 χ^2/NDF : 9262.5/82

- sign -36.728 ± 0.166 χ^2/NDF : 4523.2/40

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -12.748 ± 0.420 χ^2/NDF : 1041.5/33

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -13.766 ± 0.429 χ^2/NDF : 1002.2/36

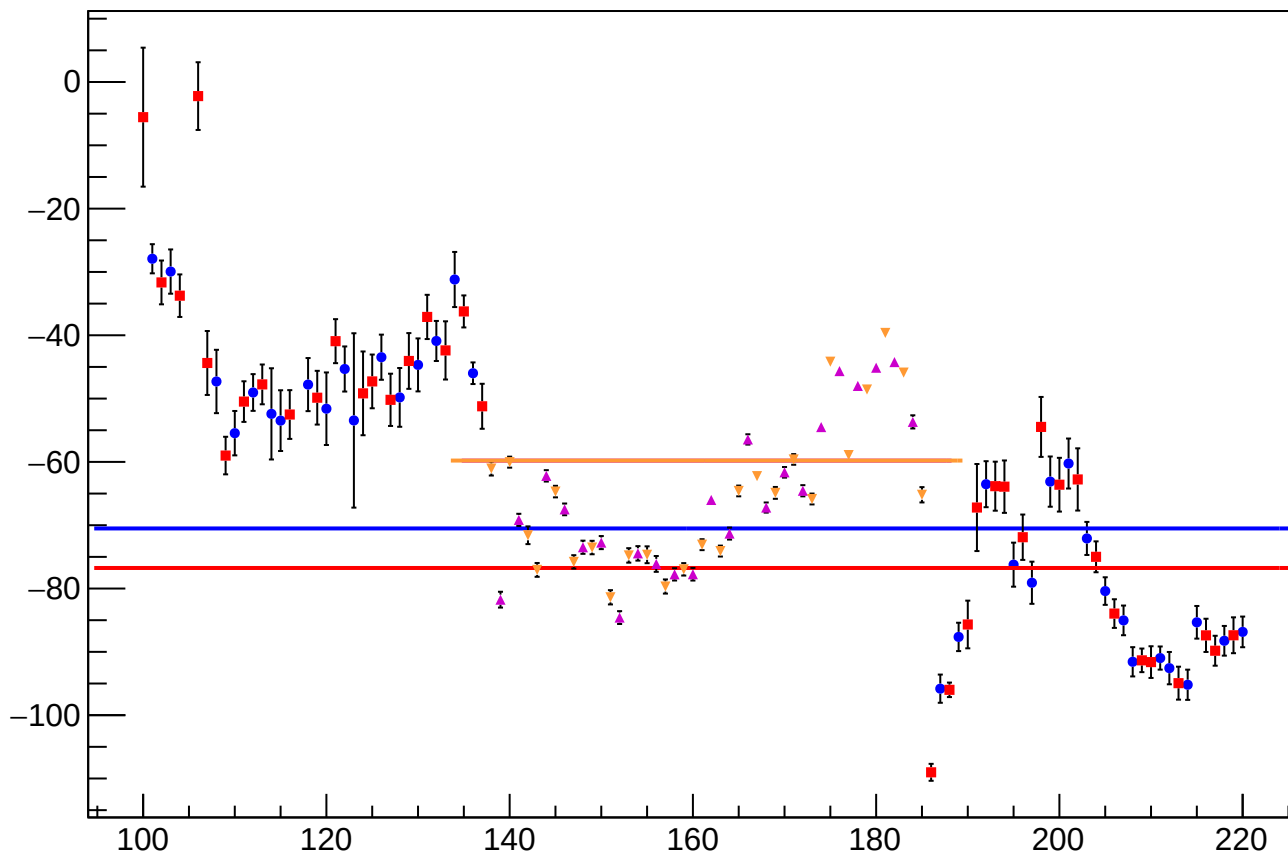
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign -0.187 ± 0.129 χ^2/NDF : 3829.5/58

All: -0.154 ± 0.093 χ^2/NDF : 7996.9/118

- sign -0.118 ± 0.133 χ^2/NDF : 4167.2/59

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -70.510 ± 0.496 χ^2/NDF : 1969.5/33

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -76.753 ± 0.472 χ^2/NDF : 2791.5/36

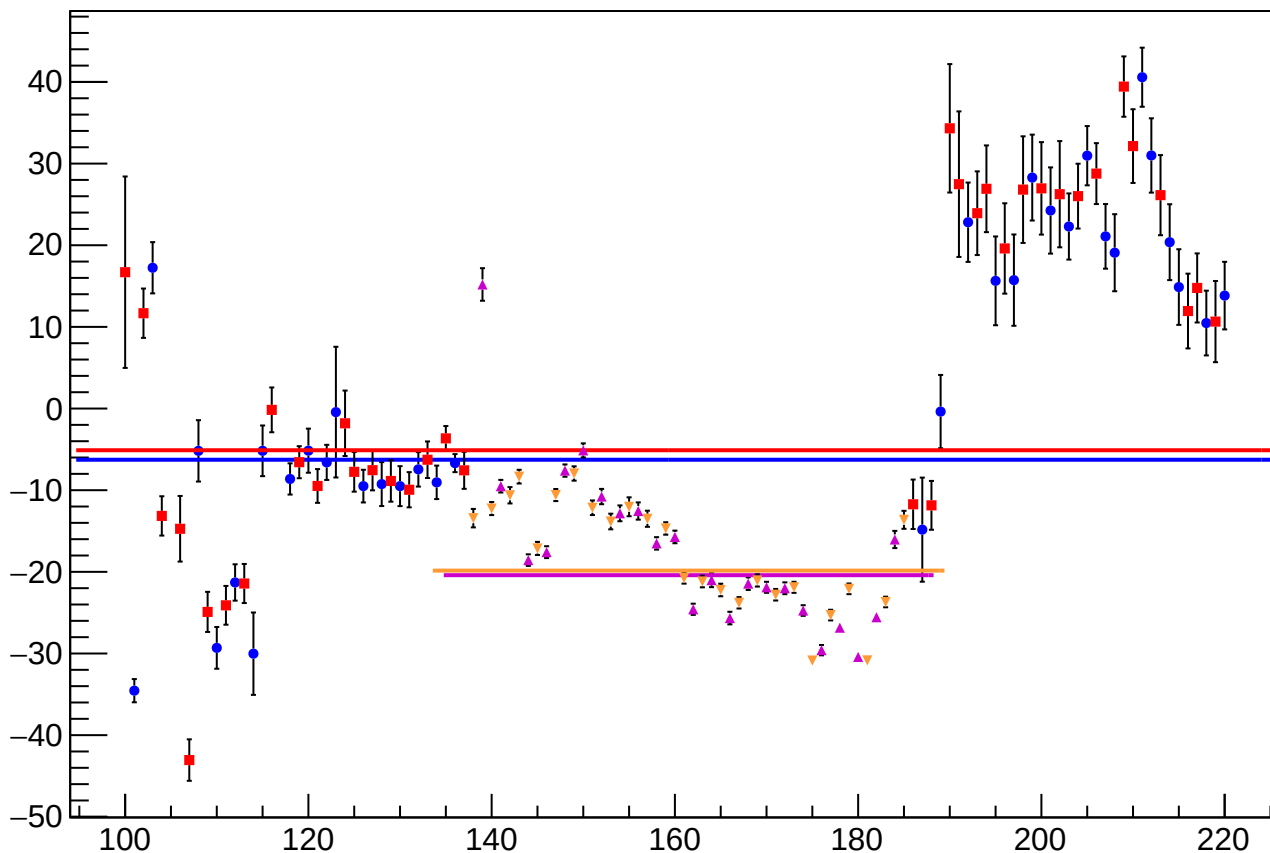
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -60.916 ± 0.161 χ^2/NDF : 8224.7/58

All: -61.361 ± 0.114 χ^2/NDF : 17386.3/118

- sign -61.817 ± 0.163 χ^2/NDF : 9146.1/59

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.269 ± 0.472 $\chi^2/\text{NDF}: 1320.2/33$

Left Out: -19.847 ± 0.153 $\chi^2/\text{NDF}: 1931.3/24$

Right Out: -5.106 ± 0.492 $\chi^2/\text{NDF}: 1130.5/36$

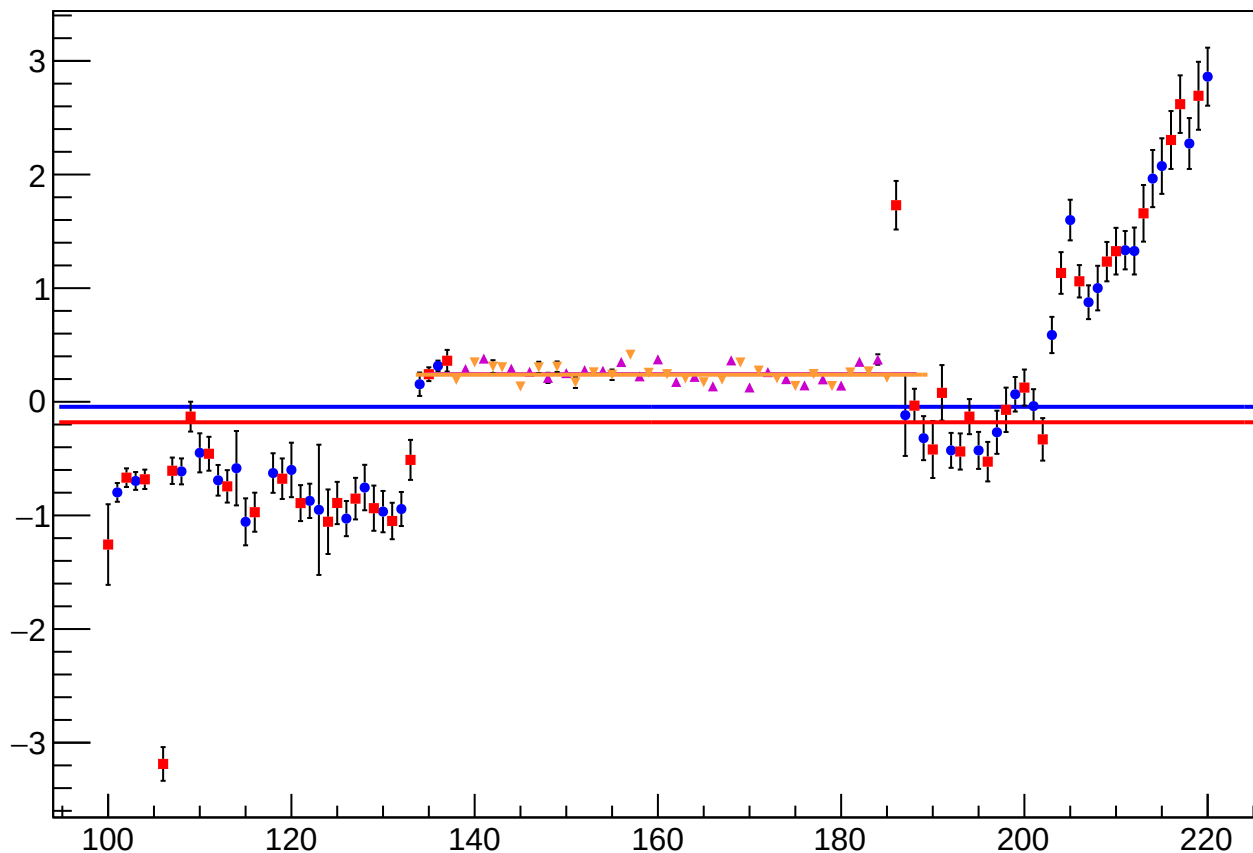
Left In: -20.410 ± 0.157 $\chi^2/\text{NDF}: 2302.0/22$

+ sign -18.561 ± 0.145 $\chi^2/\text{NDF}: 4000.0/58$

All: -18.776 ± 0.104 $\chi^2/\text{NDF}: 8314.8/118$

- sign -19.002 ± 0.149 $\chi^2/\text{NDF}: 4310.4/59$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.044 ± 0.023 χ^2/NDF : 1130.5/33

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.180 ± 0.024 χ^2/NDF : 1443.4/36

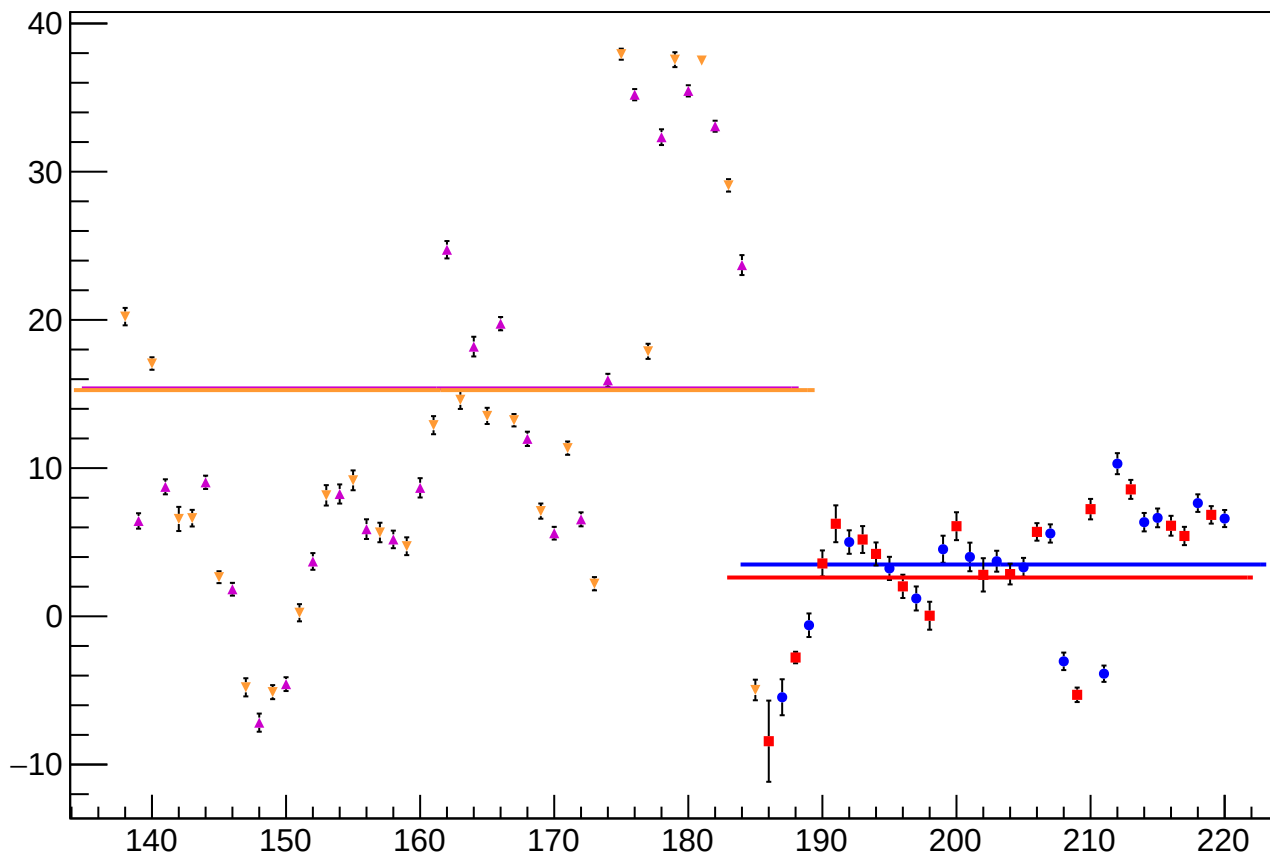
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.216 ± 0.007 χ^2/NDF : 1356.8/58

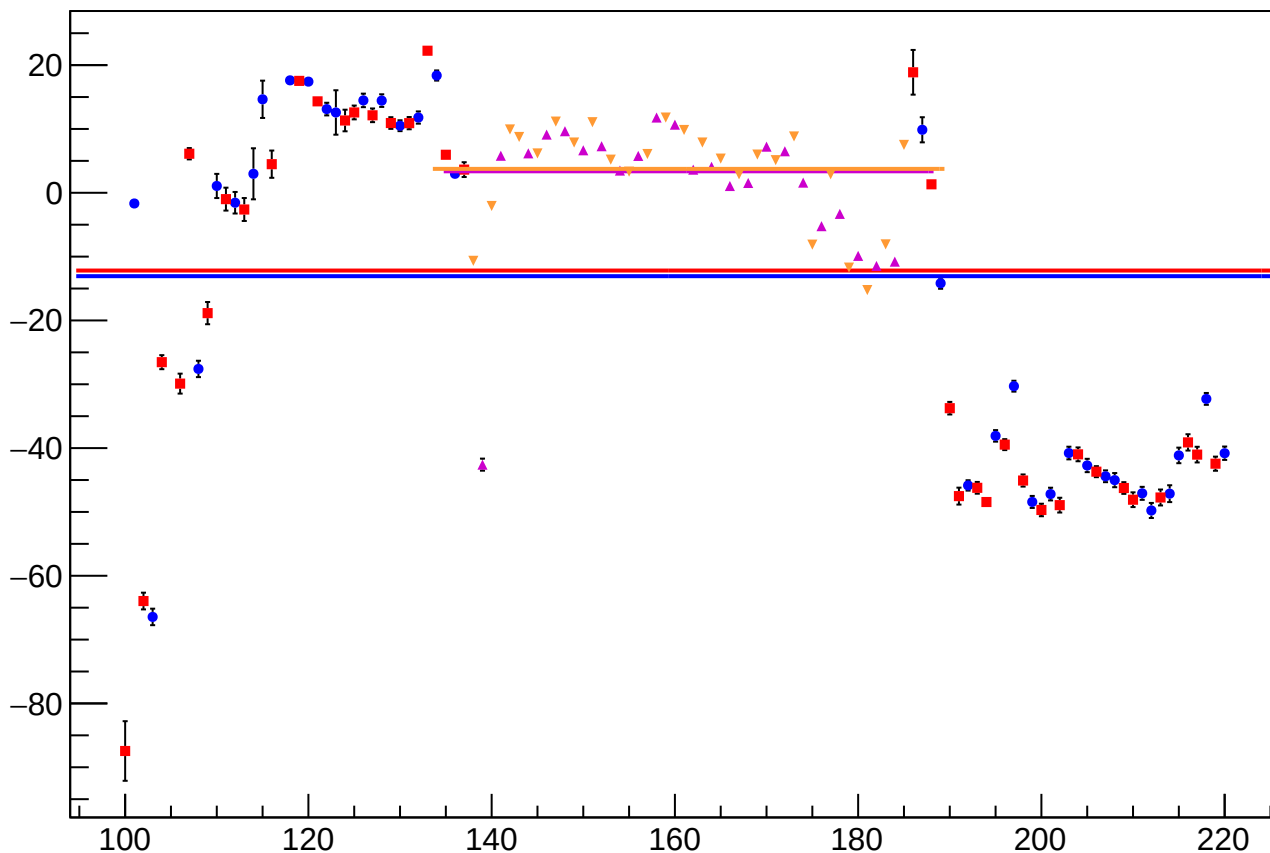
All: 0.212 ± 0.005 χ^2/NDF : 3223.2/118

- sign 0.209 ± 0.007 χ^2/NDF : 1865.9/59

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -13.065 ± 0.163 χ^2/NDF : 27867.1/33

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -12.182 ± 0.157 χ^2/NDF : 33040.6/36

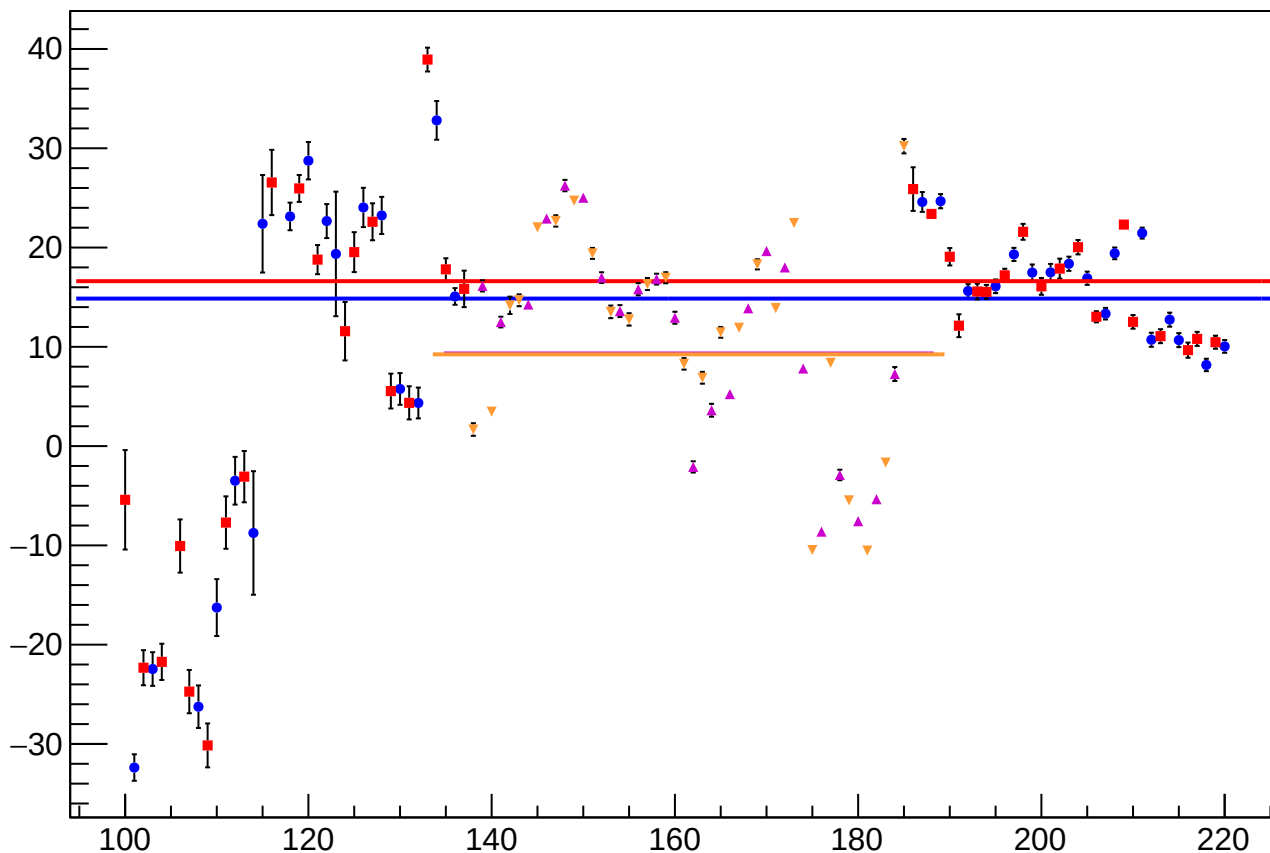
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 0.559 ± 0.071 χ^2/NDF : 45753.9/58

All: 0.324 ± 0.051 χ^2/NDF : 95079.1/118

- sign 0.082 ± 0.072 χ^2/NDF : 49302.9/59

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 14.858 $\pm$ 0.154 χ^2/NDF : 3460.8/33

Left Out: 9.242 $\pm$ 0.101 χ^2/NDF :13633.2/24

Right Out: 16.614 $\pm$ 0.145 χ^2/NDF : 3589.5/36

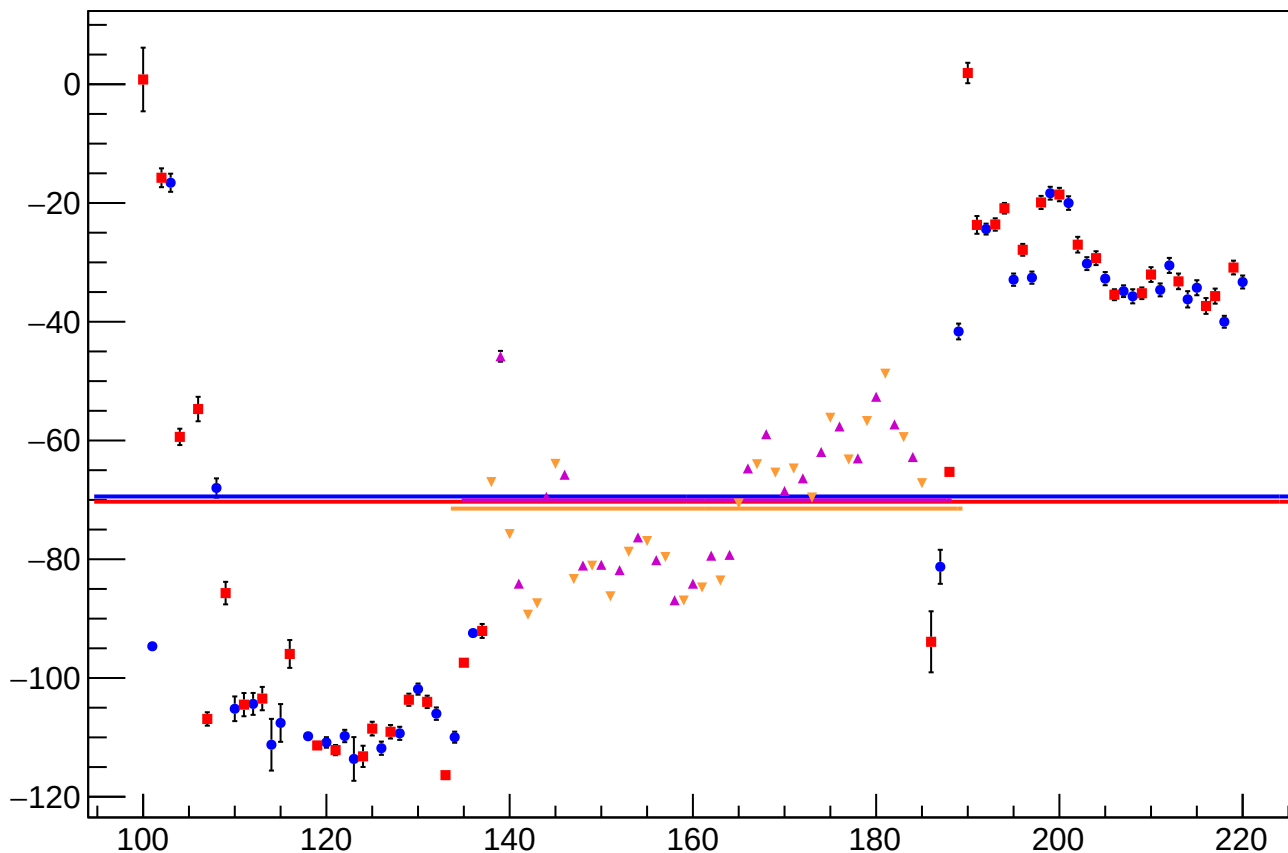
Left In: 9.328 $\pm$ 0.103 χ^2/NDF :11968.5/22

+ sign 10.932 $\pm$ 0.084 χ^2/NDF : 18026.2/58

All: 11.342 $\pm$ 0.059 χ^2/NDF : 35306.3/118

- sign 11.746 $\pm$ 0.084 χ^2/NDF : 17233.2/59

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -69.426 ± 0.185 $\chi^2/\text{NDF}: 38871.4/33$

Left Out: -71.465 ± 0.089 $\chi^2/\text{NDF}: 16409.7/24$

Right Out: -70.304 ± 0.182 $\chi^2/\text{NDF}: 46118.6/36$

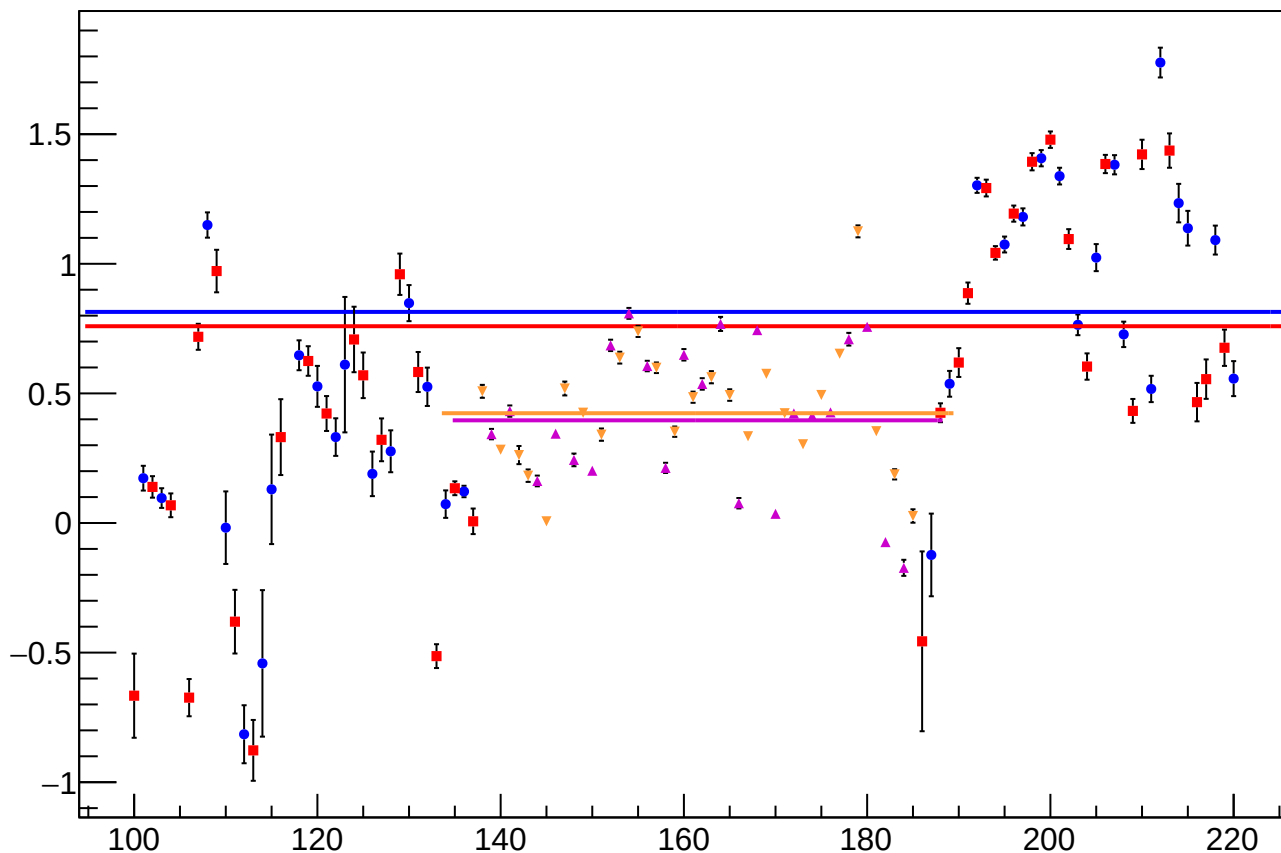
Left In: -70.061 ± 0.092 $\chi^2/\text{NDF}: 13058.5/22$

+ sign -71.082 ± 0.080 $\chi^2/\text{NDF}: 55379.2/58$

All: -70.605 ± 0.057 $\chi^2/\text{NDF}: 114629.4/118$

- sign -70.110 ± 0.082 $\chi^2/\text{NDF}: 59178.6/59$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.814 $\pm$ 0.008 χ^2/NDF : 4053.8/33

Left Out: 0.424 $\pm$ 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.759 $\pm$ 0.008 χ^2/NDF : 5138.1/36

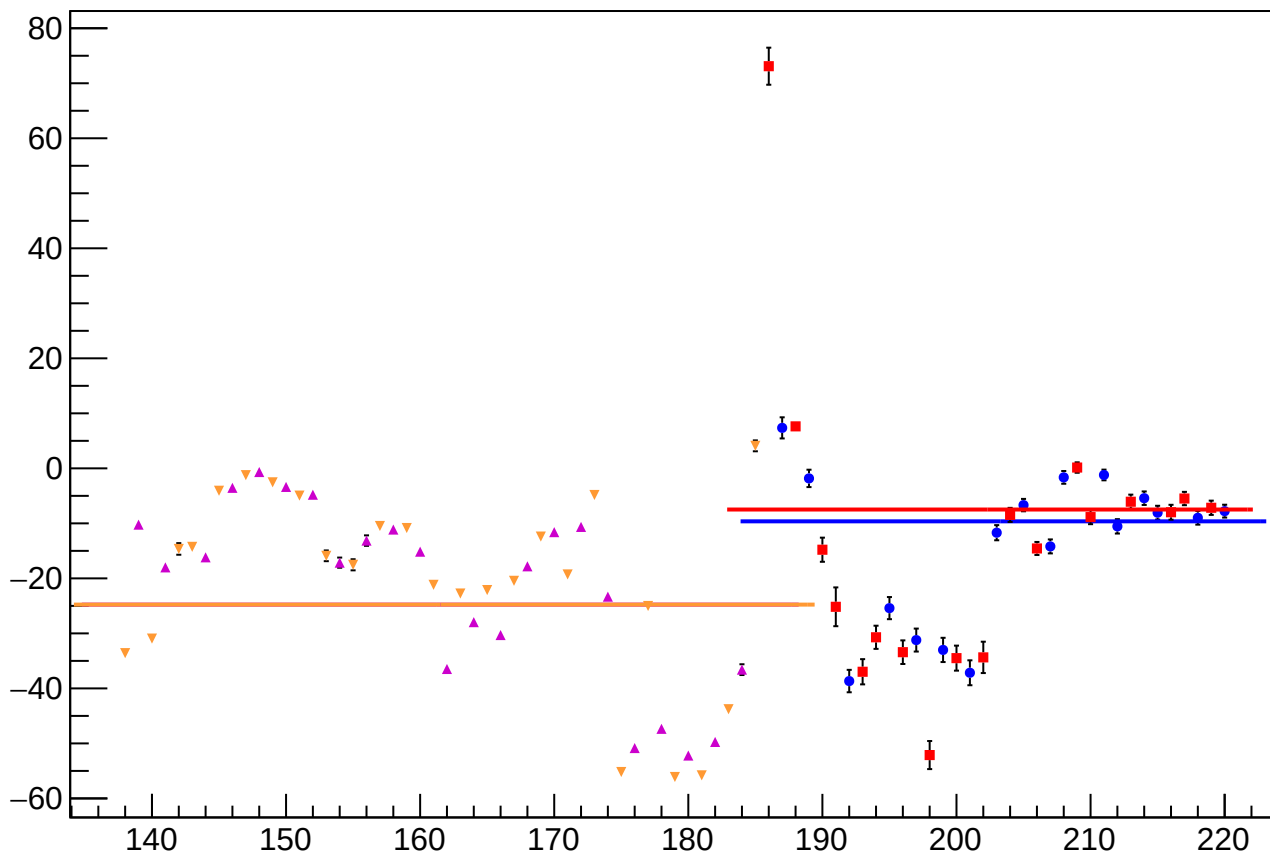
Left In: 0.396 $\pm$ 0.004 χ^2/NDF : 4051.5/22

+ sign 0.501 $\pm$ 0.004 χ^2/NDF : 8753.5/58

All: 0.488 $\pm$ 0.003 χ^2/NDF : 19618.2/118

- sign 0.475 $\pm$ 0.004 χ^2/NDF : 10838.9/59

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -9.632 ± 0.337 χ^2/NDF : 895.4/16

Left Out: -24.769 ± 0.139 χ^2/NDF : 18318.8/24

Right Out: -7.484 ± 0.343 χ^2/NDF : 2040.6/17

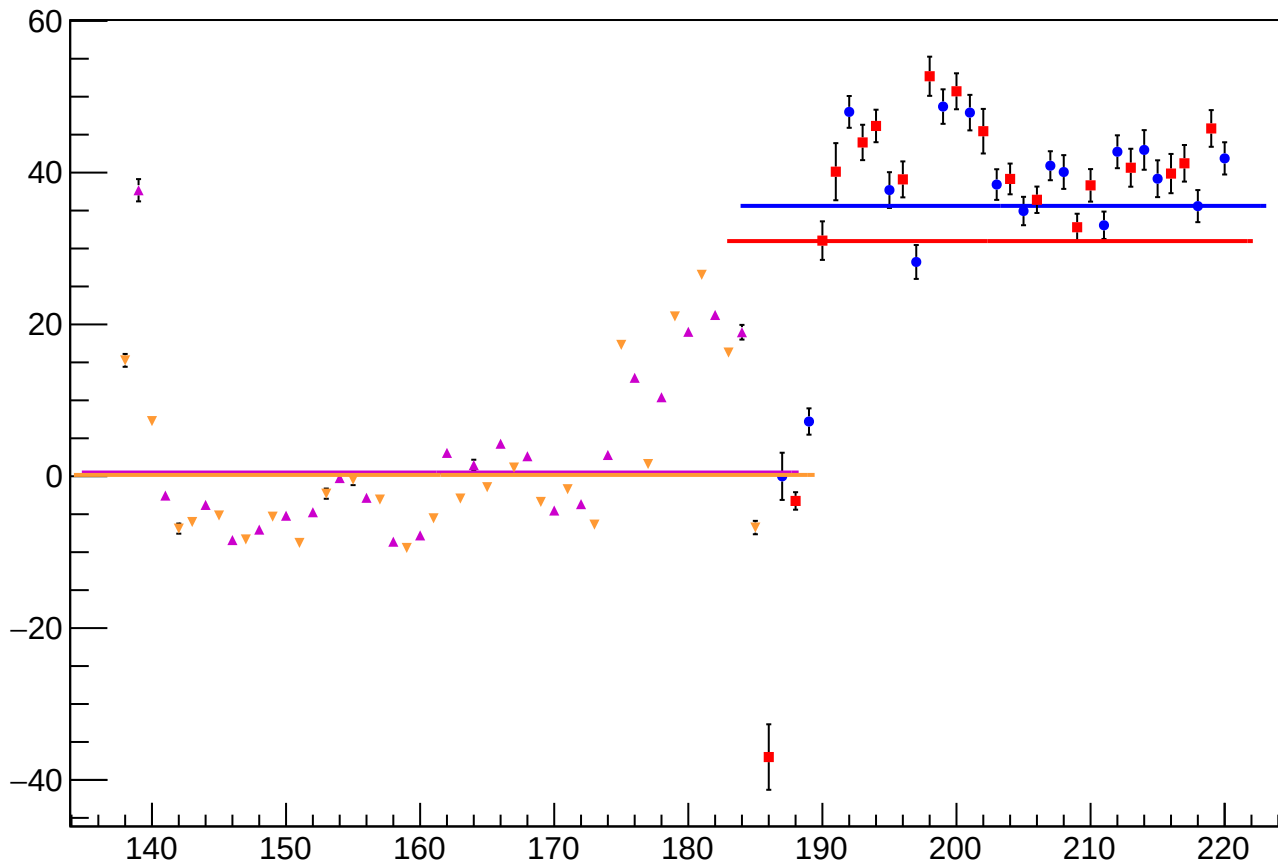
Left In: -24.775 ± 0.143 χ^2/NDF : 14807.4/22

+ sign -22.563 ± 0.129 χ^2/NDF : 20932.9/41

All: -22.395 ± 0.092 χ^2/NDF : 39951.4/82

- sign -22.220 ± 0.132 χ^2/NDF : 19015.1/40

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 35.616 $\pm$ 0.519 χ^2/NDF : 552.9/16

Left Out: 0.177 $\pm$ 0.109 χ^2/NDF : 8295.6/24

Right Out: 30.979 $\pm$ 0.512 χ^2/NDF : 1515.2/17

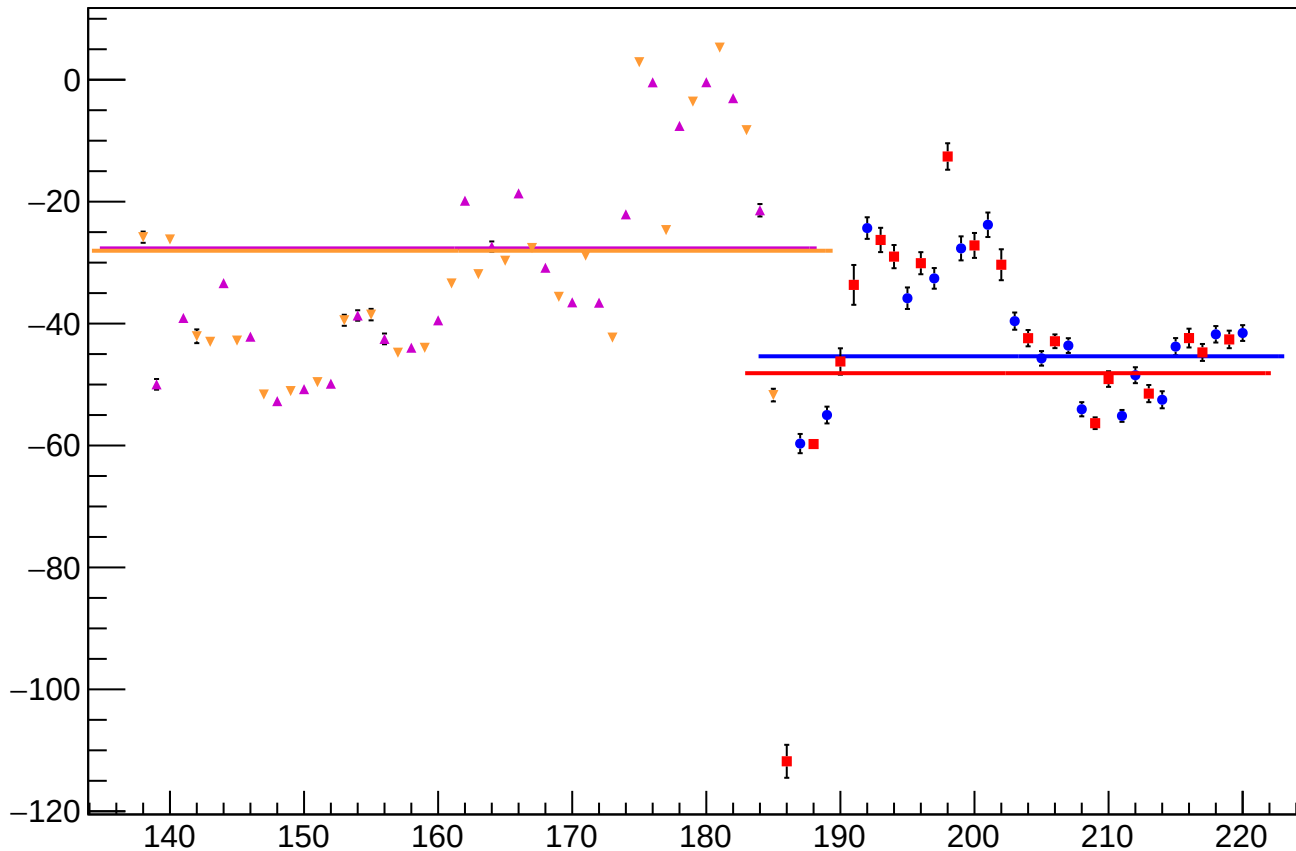
Left In: 0.493 $\pm$ 0.112 χ^2/NDF : 6555.4/22

+ sign 1.662 $\pm$ 0.106 χ^2/NDF : 13316.8/41

All: 1.773 $\pm$ 0.076 χ^2/NDF : 24776.6/82

- sign 1.890 $\pm$ 0.110 χ^2/NDF : 11457.6/40

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -45.364 ± 0.336 χ^2/NDF : 778.1/16

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -48.137 ± 0.329 χ^2/NDF : 1793.0/17

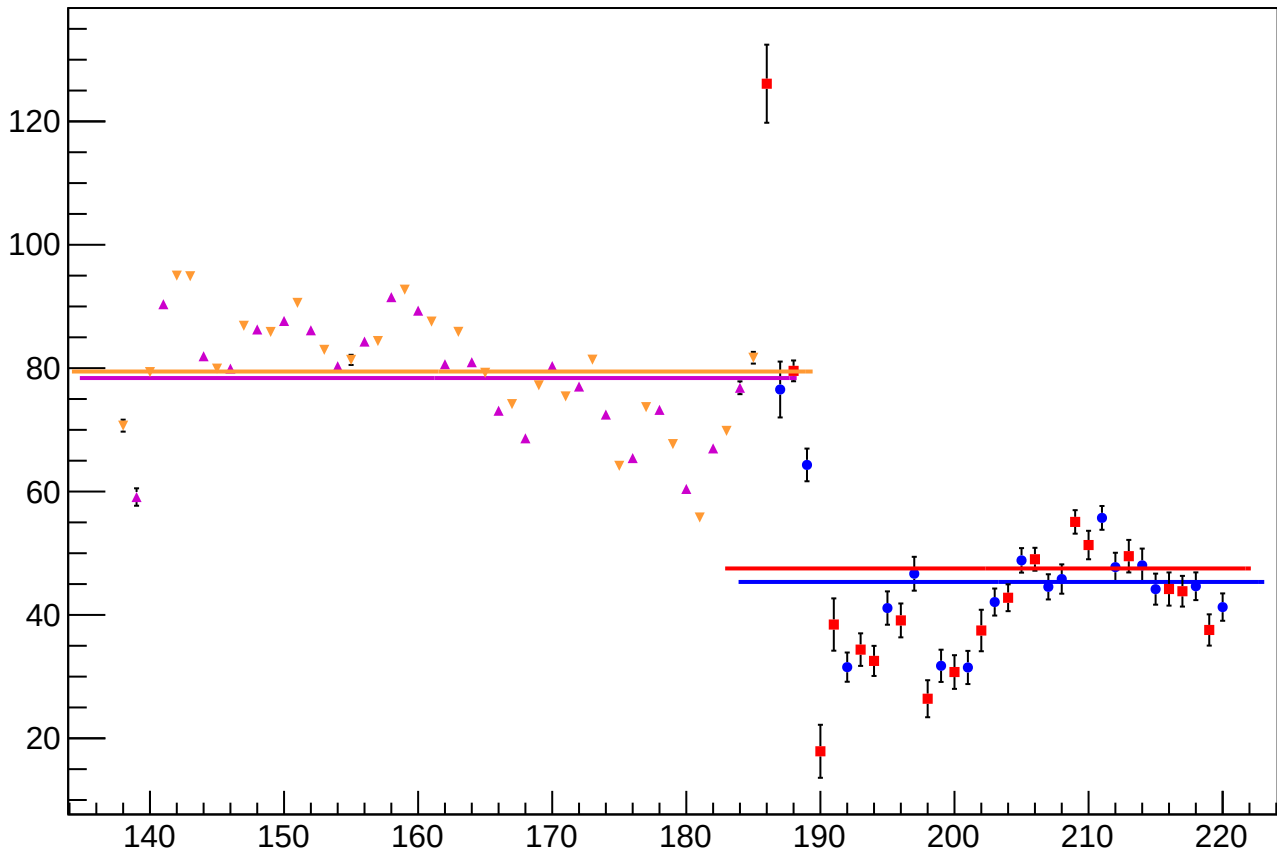
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -30.606 ± 0.129 χ^2/NDF : 20184.6/41

All: -30.750 ± 0.092 χ^2/NDF : 40243.3/82

- sign -30.898 ± 0.131 χ^2/NDF : 20056.2/40

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 45.345+/-0.582 χ^2/NDF : 229.2/16

Left Out: 79.456+/-0.123 χ^2/NDF : 6077.1/24

Right Out: 47.532+/-0.595 χ^2/NDF : 779.0/17

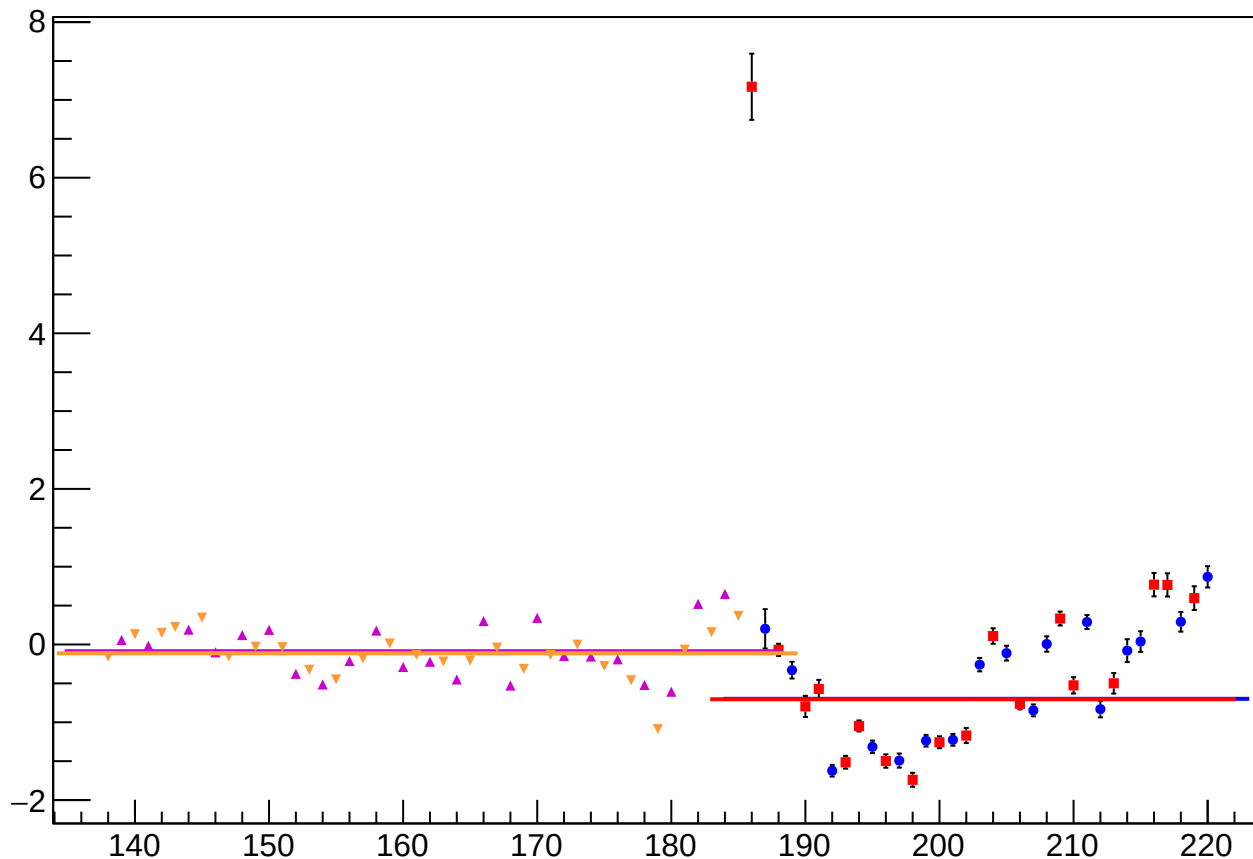
Left In: 78.396+/-0.127 χ^2/NDF : 4707.3/22

+ sign 77.994+/-0.121 χ^2/NDF : 9591.4/41

All: 77.538+/-0.086 χ^2/NDF : 17684.7/82

- sign 77.055+/-0.124 χ^2/NDF : 8063.8/40

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.698 ± 0.023 χ^2/NDF : 892.7/16

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.704 ± 0.023 χ^2/NDF : 1298.5/17

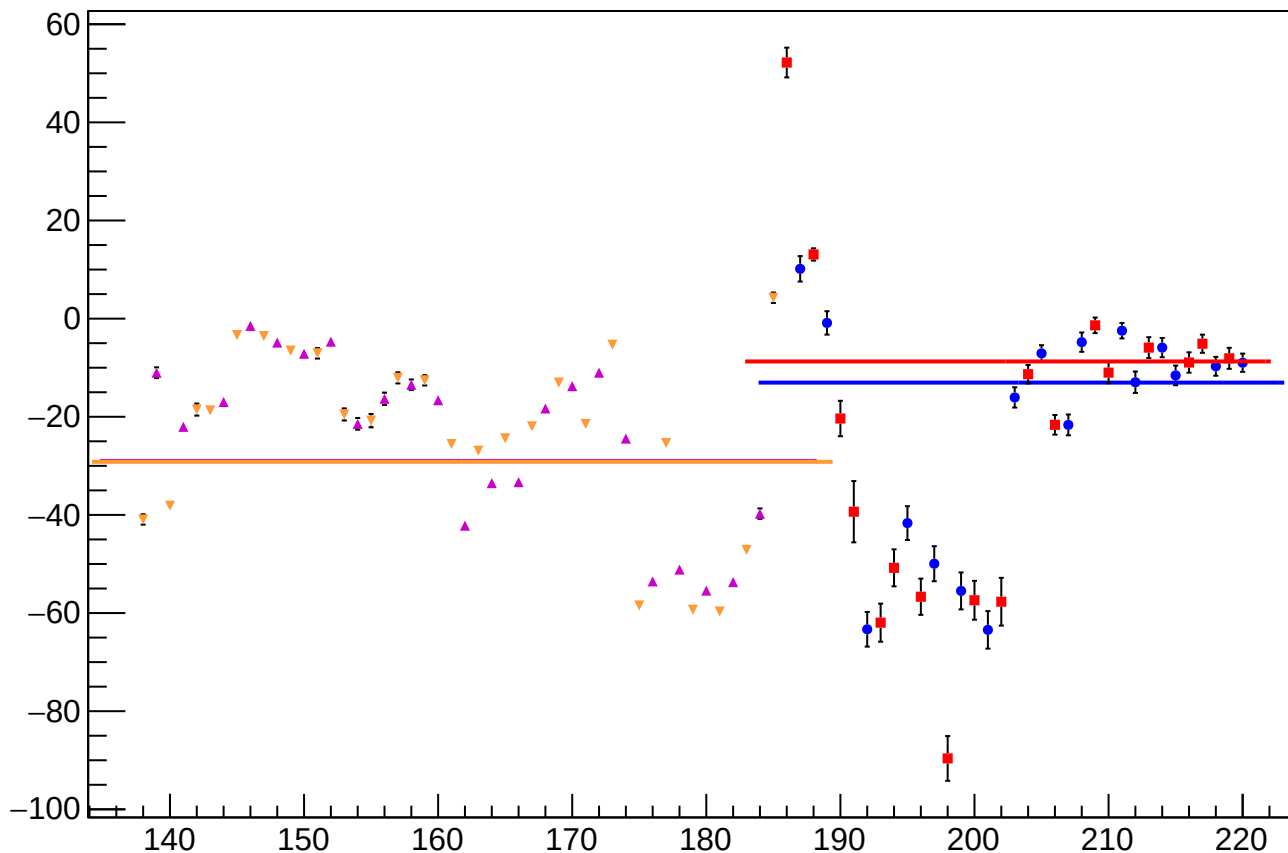
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.146 ± 0.006 χ^2/NDF : 3794.9/41

All: -0.135 ± 0.004 χ^2/NDF : 8911.4/82

- sign -0.123 ± 0.006 χ^2/NDF : 5107.7/40

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -13.035 ± 0.538 χ^2/NDF : 899.8/16

Left Out: -29.180 ± 0.157 χ^2/NDF : 16912.2/24

Right Out: -8.723 ± 0.549 χ^2/NDF : 1861.7/17

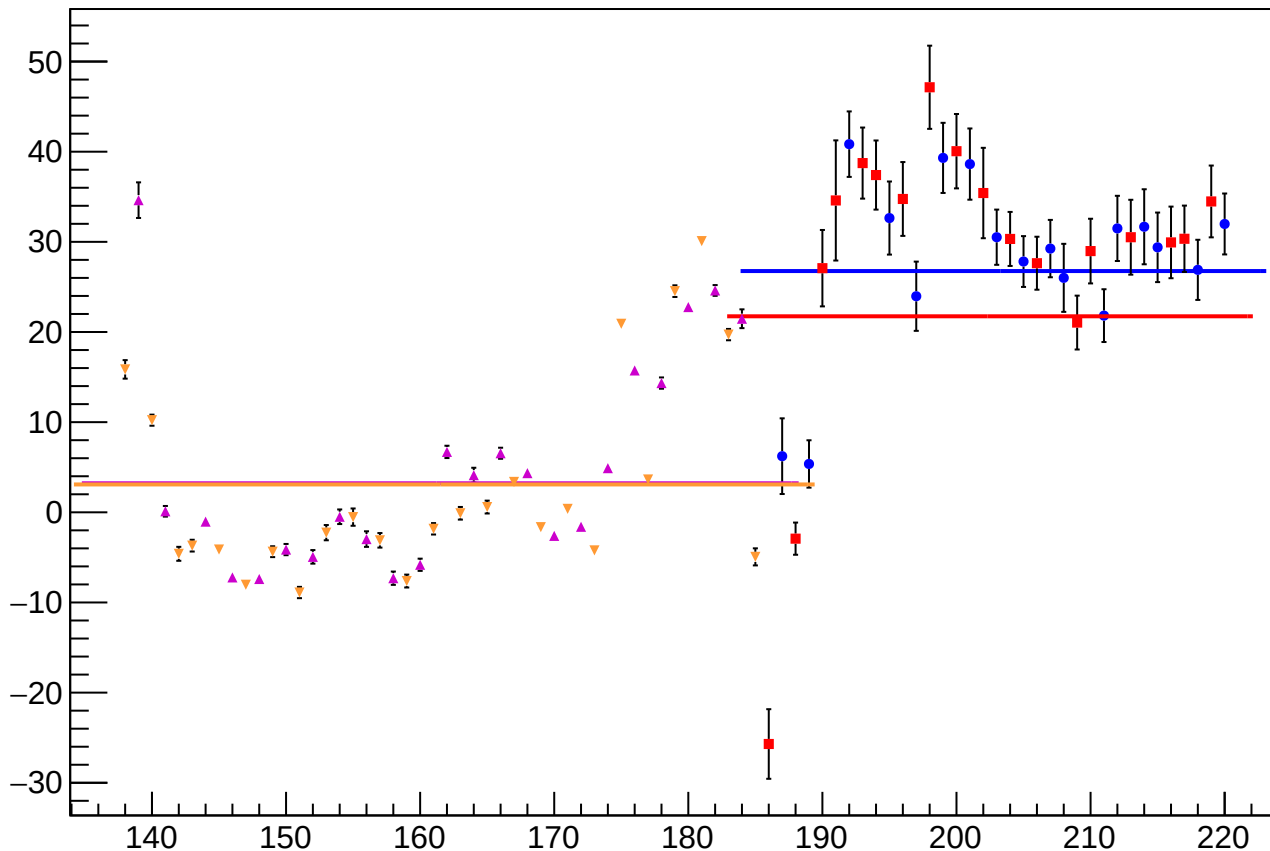
Left In: -29.003 ± 0.160 χ^2/NDF : 13416.8/22

+ sign -27.915 ± 0.151 χ^2/NDF : 18643.1/41

All: -27.672 ± 0.107 χ^2/NDF : 35184.9/82

- sign -27.419 ± 0.153 χ^2/NDF : 16536.4/40

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 26.761 ± 0.835 $\chi^2/\text{NDF}: 138.5/16$

Left Out: 3.091 ± 0.124 $\chi^2/\text{NDF}: 8084.1/24$

Right Out: 21.742 ± 0.824 $\chi^2/\text{NDF}: 490.8/17$

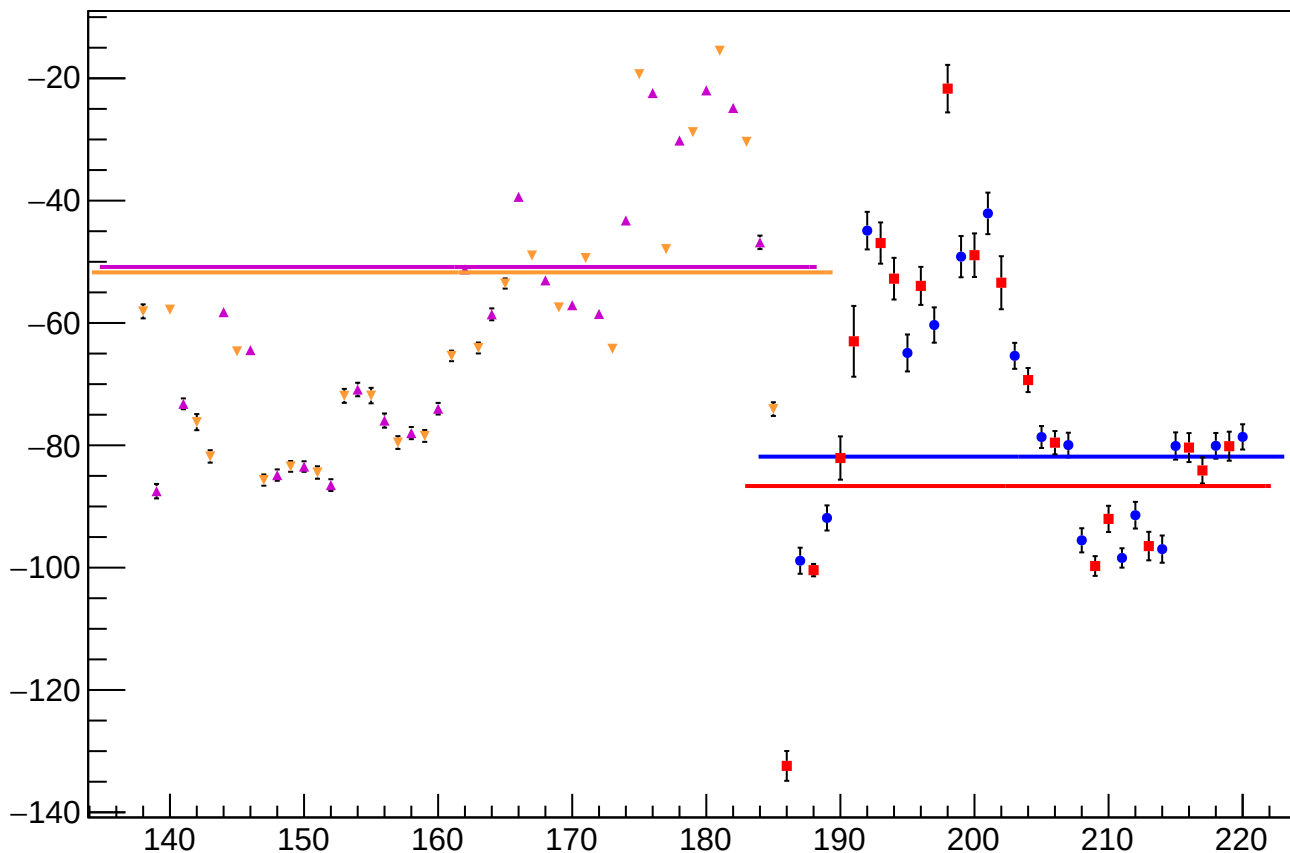
Left In: 3.221 ± 0.127 $\chi^2/\text{NDF}: 6237.6/22$

+ sign 3.605 ± 0.123 $\chi^2/\text{NDF}: 9008.4/41$

All: 3.627 ± 0.088 $\chi^2/\text{NDF}: 16230.1/82$

- sign 3.650 ± 0.125 $\chi^2/\text{NDF}: 7221.7/40$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -81.852 ± 0.536 χ^2/NDF : 841.5/16

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -86.657 ± 0.525 χ^2/NDF : 1552.3/17

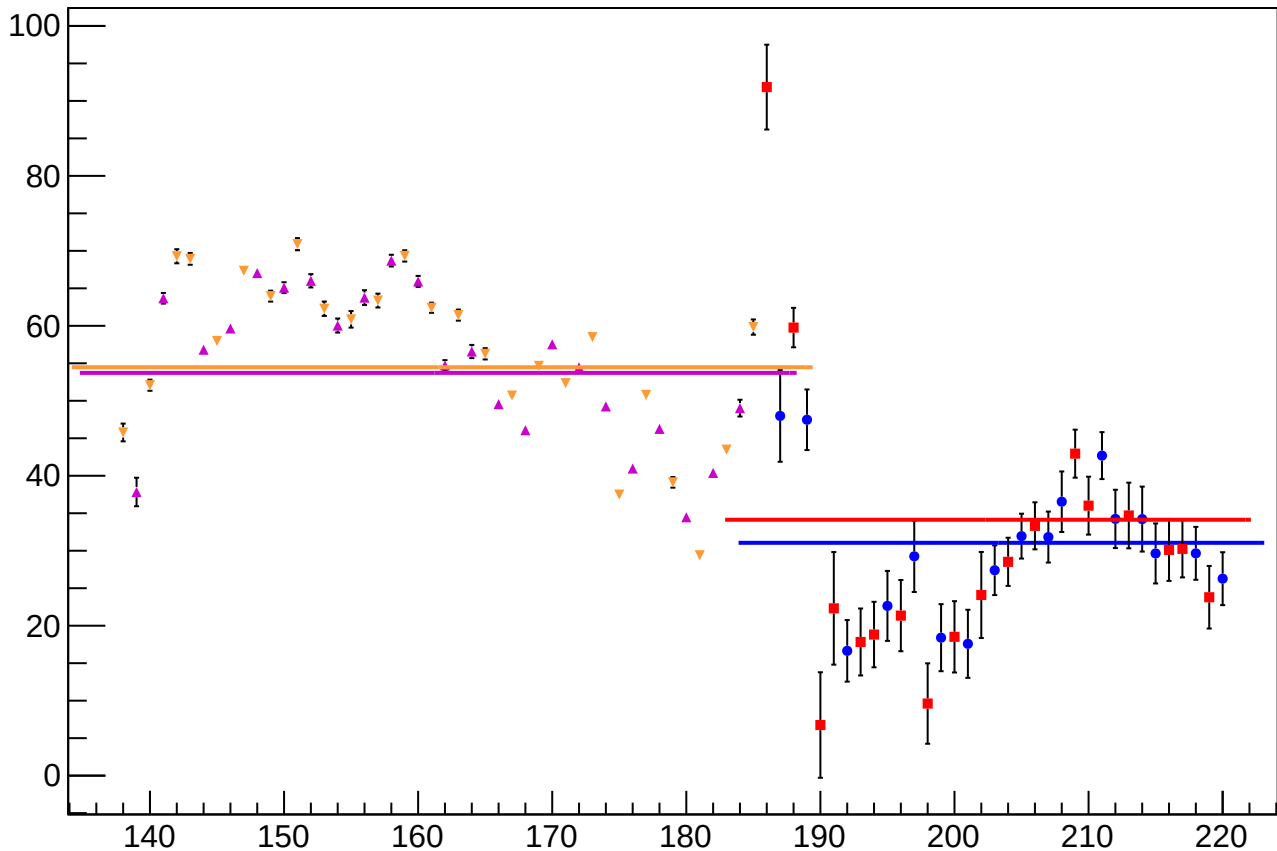
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -54.132 ± 0.151 χ^2/NDF : 23282.3/41

All: -54.014 ± 0.108 χ^2/NDF : 46367.2/82

- sign -53.893 ± 0.153 χ^2/NDF : 23083.7/40

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 31.058 $\pm$ 0.940 χ^2 /NDF: 77.0/16

Left Out: 54.476 $\pm$ 0.140 χ^2 /NDF: 6266.9/24

Right Out: 34.132 $\pm$ 0.967 χ^2 /NDF: 303.1/17

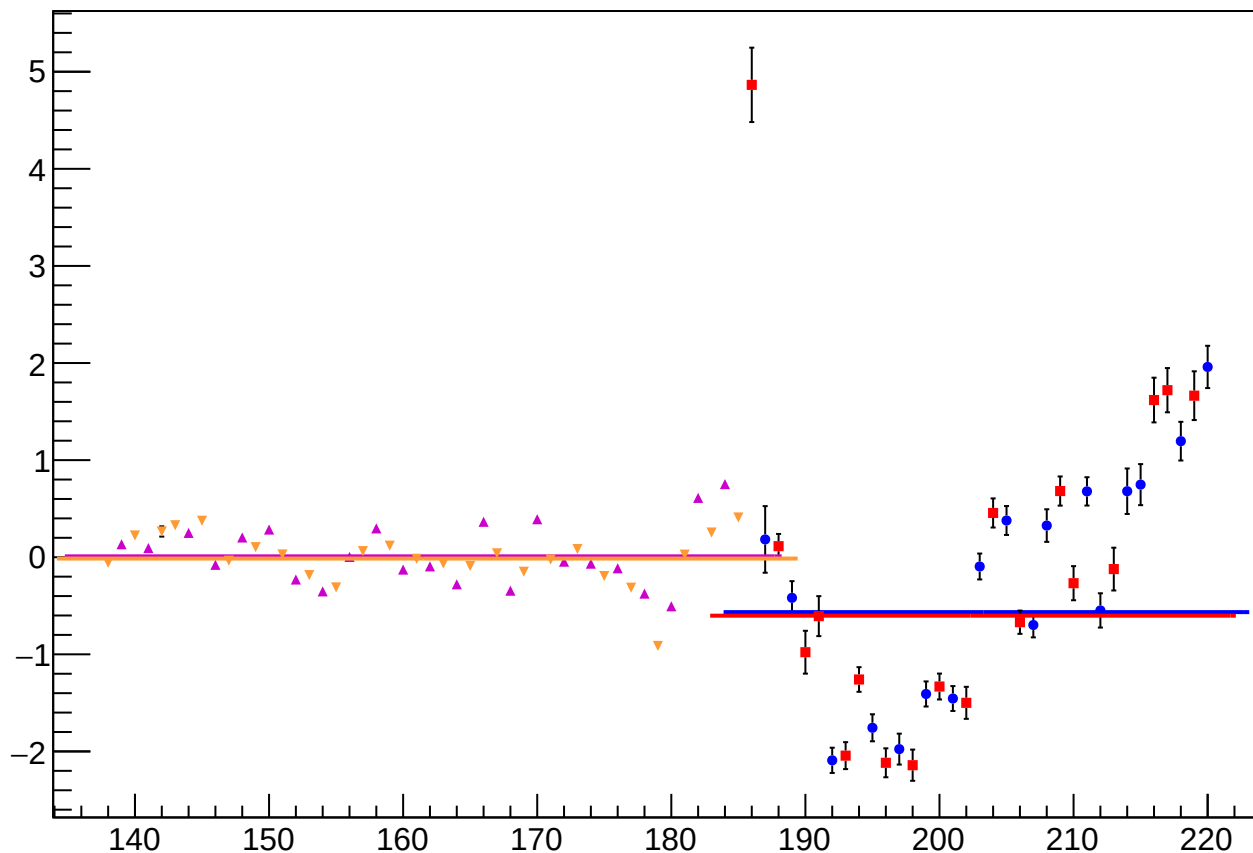
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF: 4585.7/22

+ sign 53.967 $\pm$ 0.139 χ^2 /NDF: 6950.5/41

All: 53.642 $\pm$ 0.099 χ^2 /NDF: 12252.5/82

- sign 53.303 $\pm$ 0.142 χ^2 /NDF: 5290.8/40

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.565 ± 0.038 χ^2/NDF : 820.0/16

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -0.602 ± 0.039 χ^2/NDF : 1038.5/17

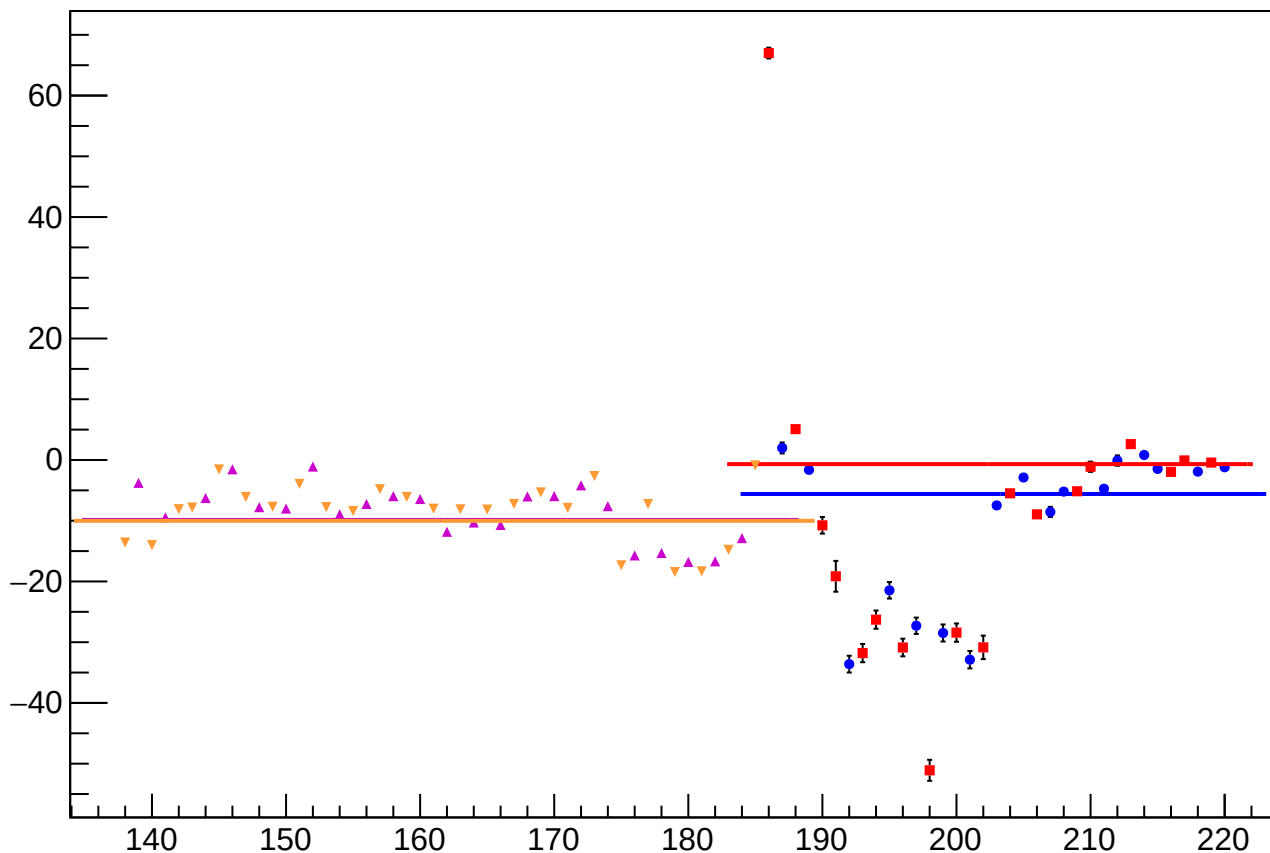
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.029 ± 0.006 χ^2/NDF : 2675.3/41

All: -0.019 ± 0.005 χ^2/NDF : 6182.8/82

- sign -0.008 ± 0.006 χ^2/NDF : 3502.3/40

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.599 ± 0.203 χ^2/NDF : 1780.4/16

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: -0.684 ± 0.205 χ^2/NDF : 8936.9/17

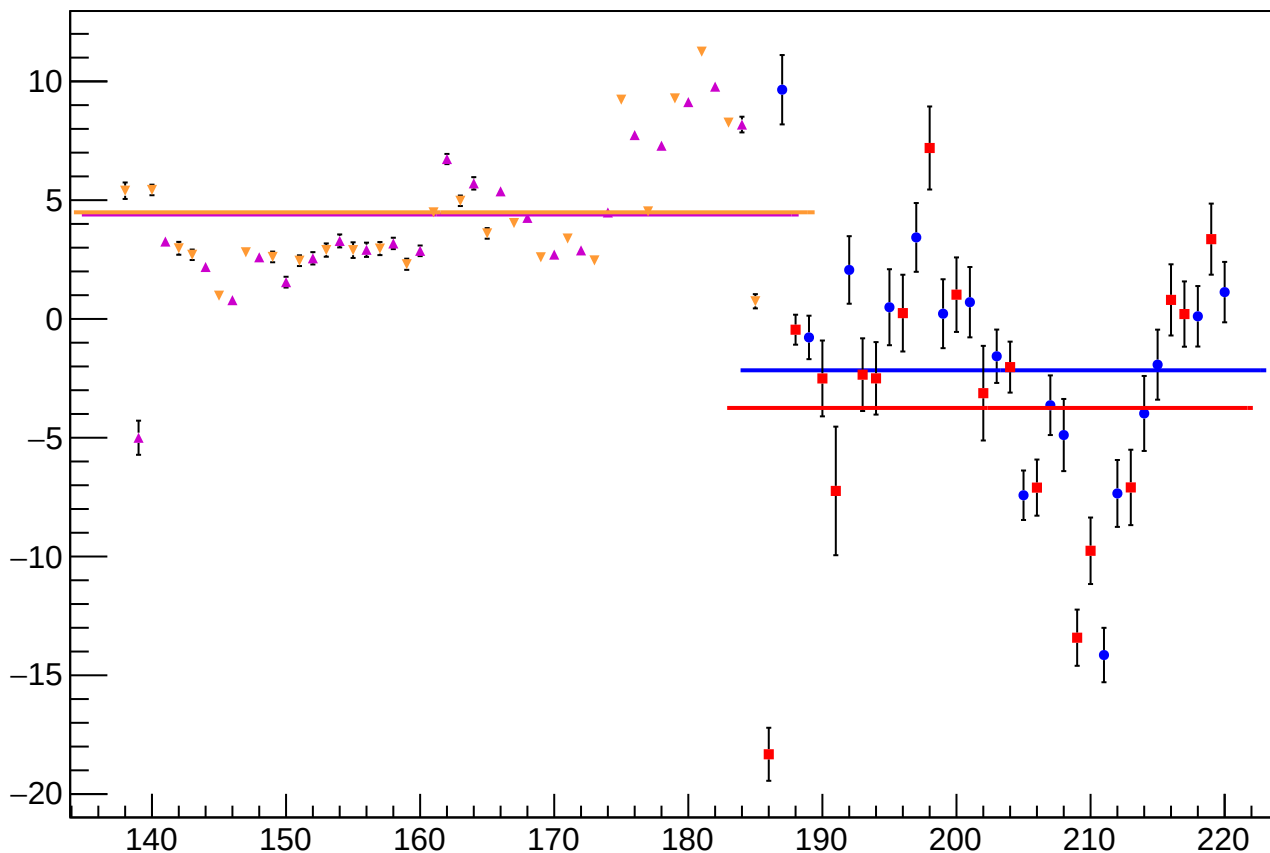
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.758 ± 0.049 χ^2/NDF : 14778.5/41

All: -9.543 ± 0.035 χ^2/NDF : 34993.5/82

- sign -9.321 ± 0.050 χ^2/NDF : 20175.9/40

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: -2.162 ± 0.315 χ^2/NDF : 265.4/16

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -3.746 ± 0.306 χ^2/NDF : 396.7/17

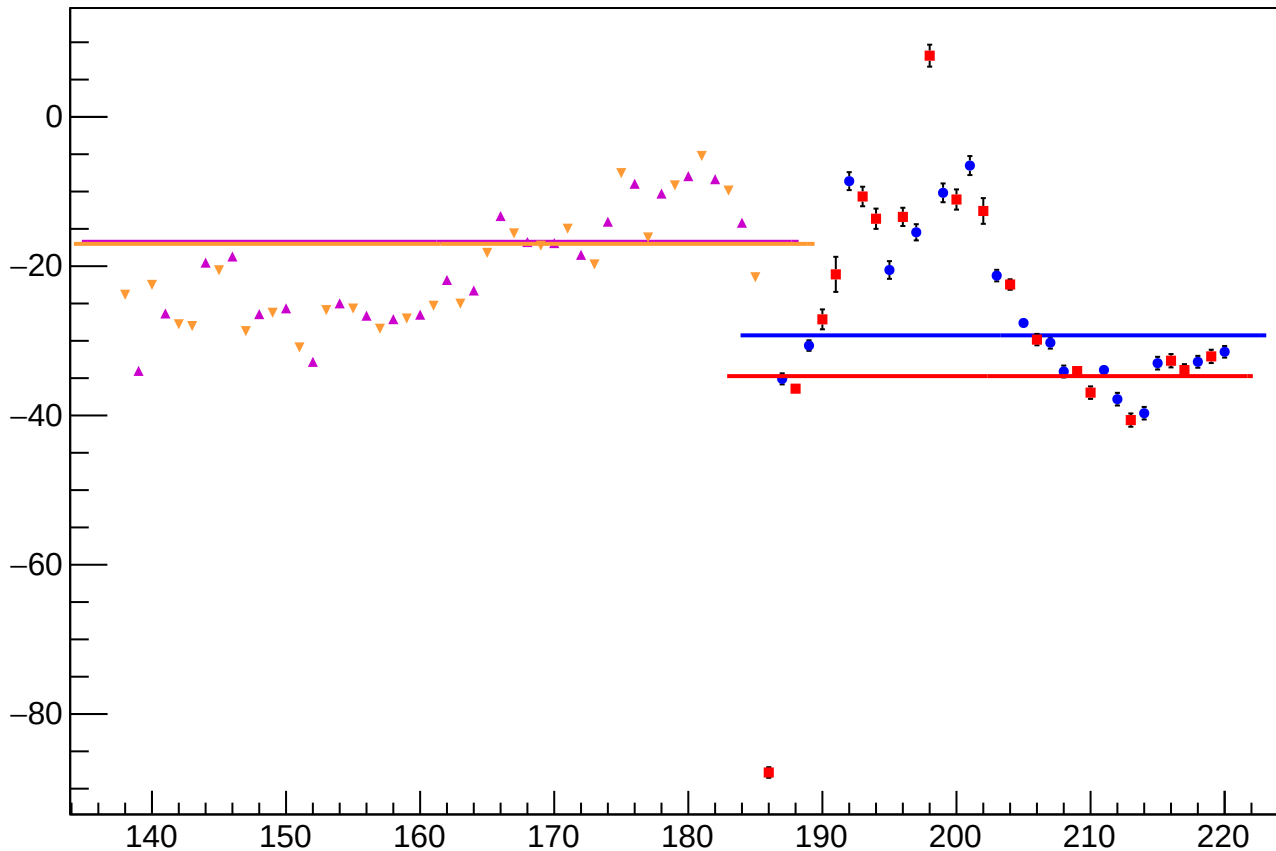
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.379 ± 0.040 χ^2/NDF : 5537.4/41

All: 4.316 ± 0.029 χ^2/NDF : 10866.2/82

- sign 4.251 ± 0.041 χ^2/NDF : 5323.8/40

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -29.268 ± 0.202 χ^2/NDF : 1636.9/16

Left Out: -17.008 ± 0.051 χ^2/NDF : 22094.7/24

Right Out: -34.729 ± 0.194 χ^2/NDF : 8284.3/17

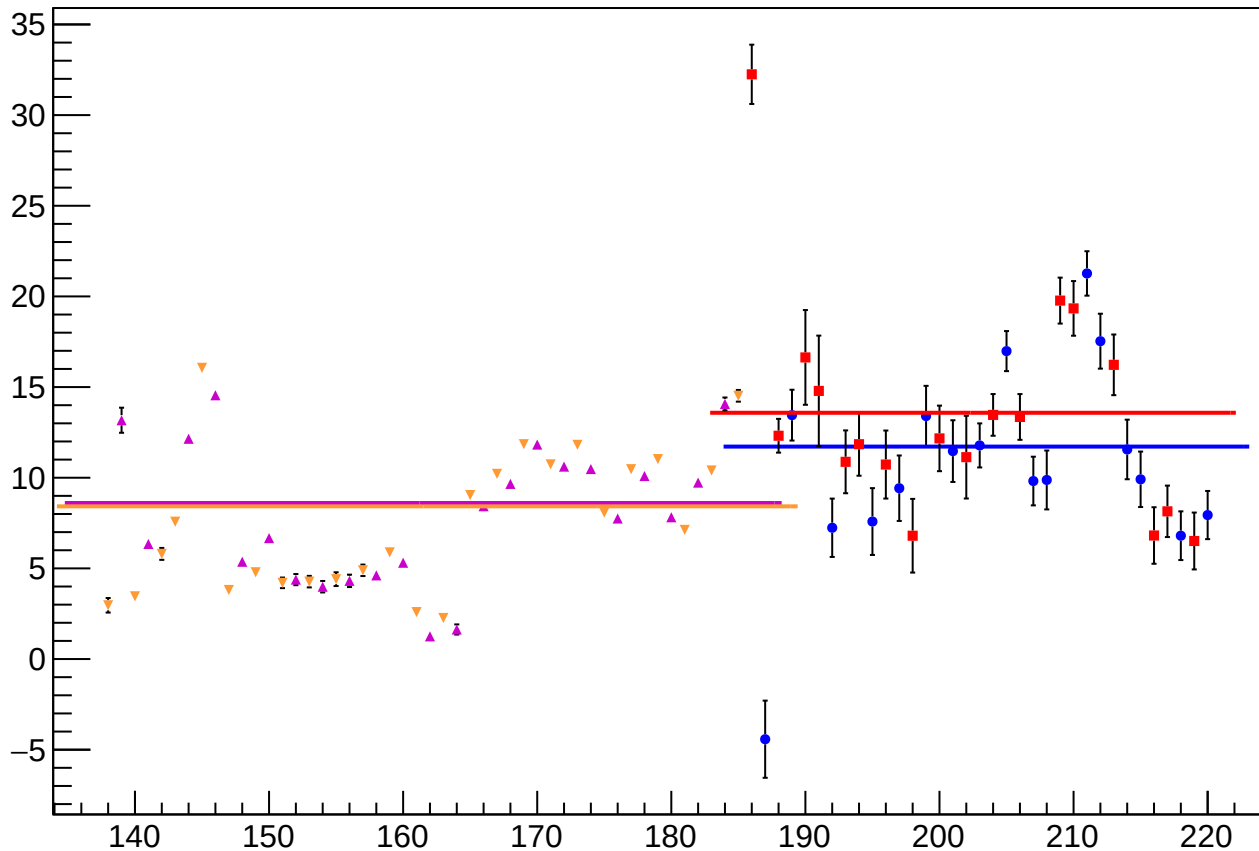
Left In: -16.732 ± 0.052 χ^2/NDF : 18777.2/22

+ sign -17.743 ± 0.050 χ^2/NDF : 27185.6/41

All: -17.830 ± 0.035 χ^2/NDF : 62290.0/82

- sign -17.918 ± 0.050 χ^2/NDF : 35098.2/40

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 11.718 $\pm$ 0.356 χ^2 /NDF: 198.9/16

Left Out: 8.422 $\pm$ 0.046 χ^2 /NDF: 6470.1/24

Right Out: 13.583 $\pm$ 0.363 χ^2 /NDF: 247.1/17

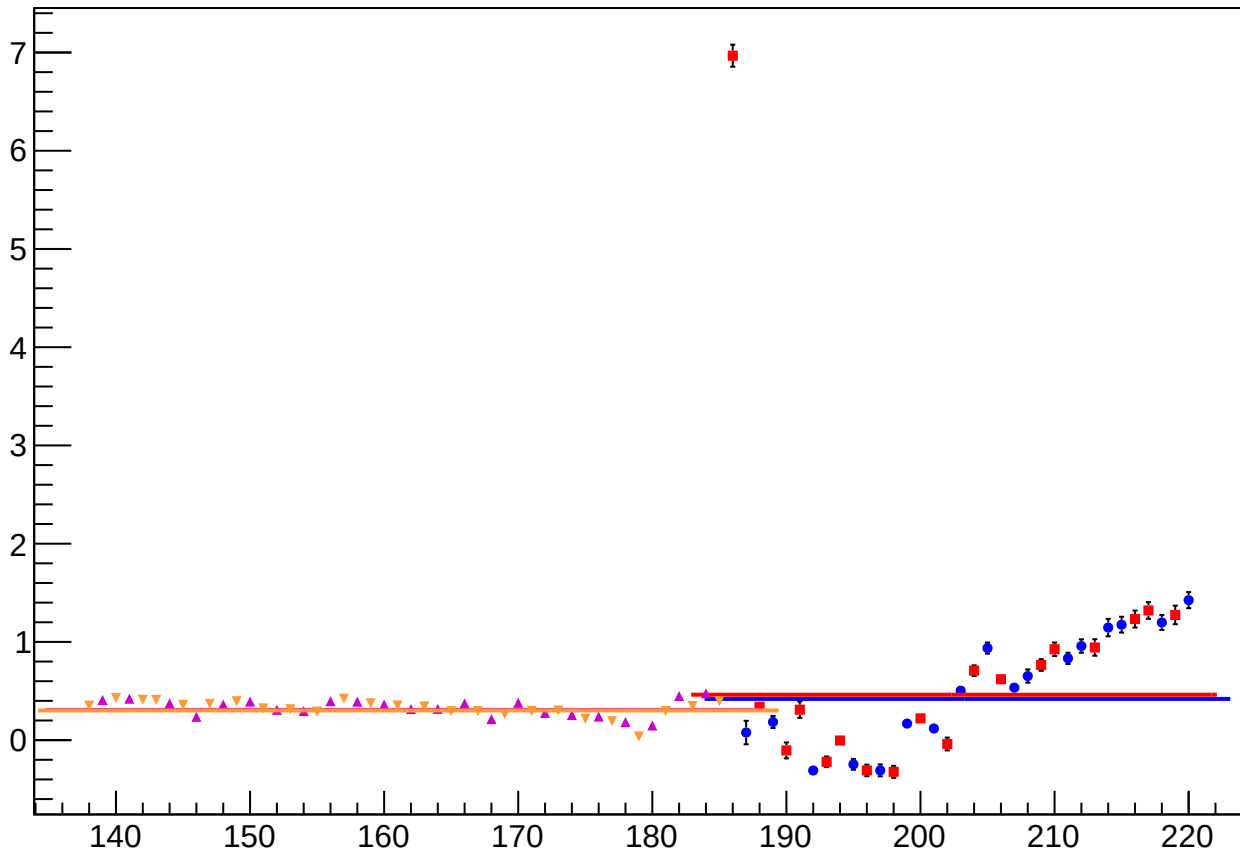
Left In: 8.606 $\pm$ 0.046 χ^2 /NDF: 5504.2/22

+ sign 8.475 $\pm$ 0.045 χ^2 /NDF: 6753.2/41

All: 8.579 $\pm$ 0.032 χ^2 /NDF: 12700.3/82

- sign 8.686 $\pm$ 0.046 χ^2 /NDF: 5936.3/40

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.420 $\pm$ 0.015 χ^2 /NDF: 1209.9/16

Left Out: 0.302 $\pm$ 0.002 χ^2 /NDF: 1590.9/24

Right Out: 0.463 $\pm$ 0.015 χ^2 /NDF: 4476.1/17

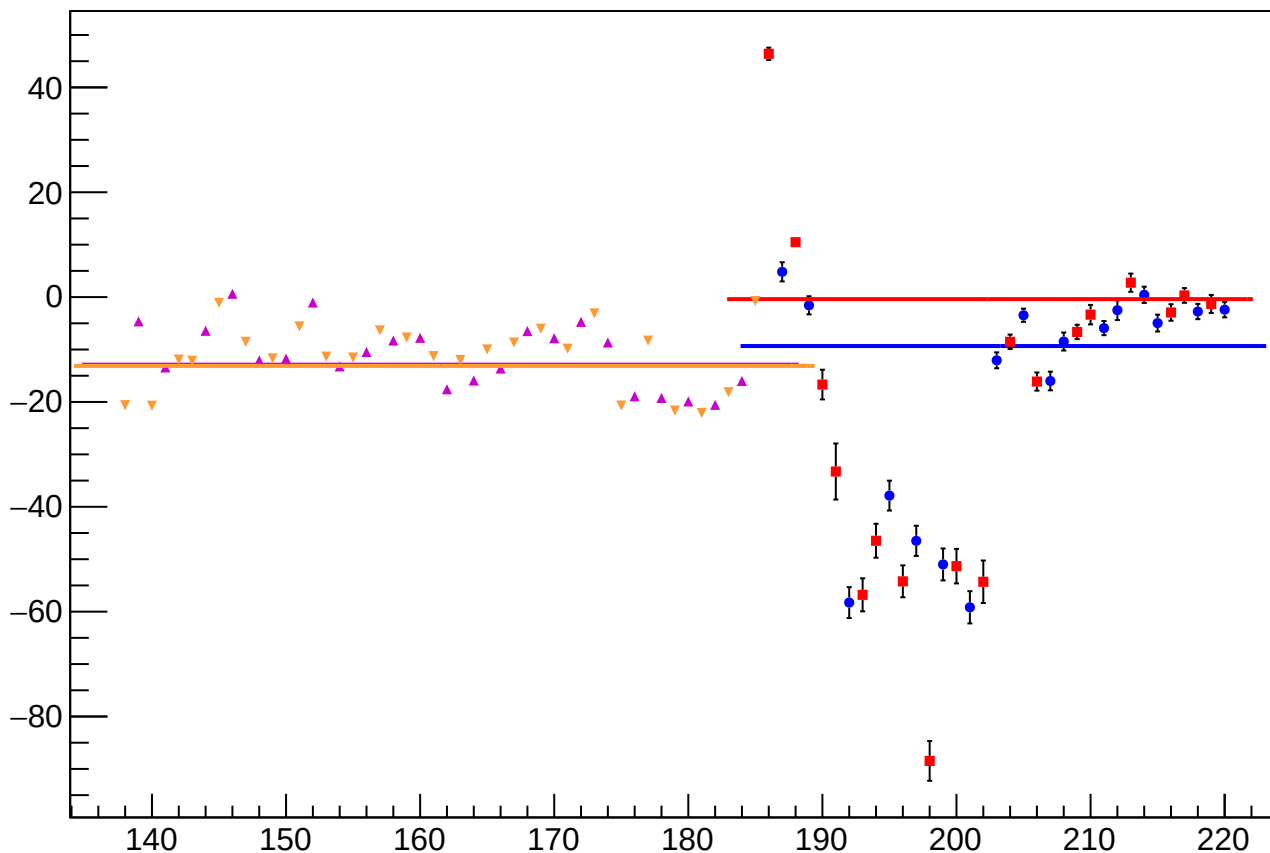
Left In: 0.307 $\pm$ 0.002 χ^2 /NDF: 1699.5/22

+ sign 0.305 $\pm$ 0.002 χ^2 /NDF: 2863.5/41

All: 0.308 $\pm$ 0.001 χ^2 /NDF: 9151.3/82

- sign 0.310 $\pm$ 0.002 χ^2 /NDF: 6284.2/40

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -9.334 ± 0.427 $\chi^2/\text{NDF}: 1221.7/16$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: -0.387 ± 0.414 $\chi^2/\text{NDF}: 3755.8/17$

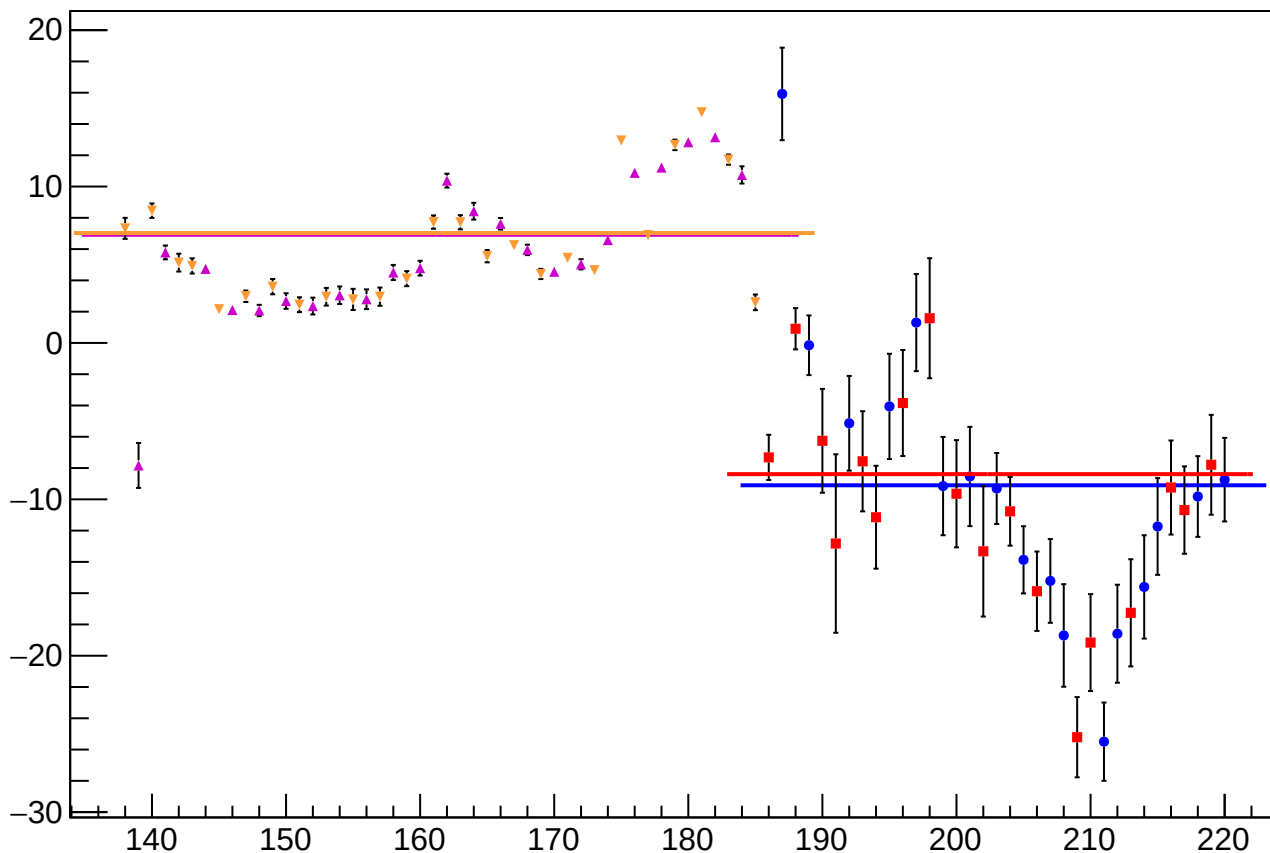
Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -12.951 ± 0.091 $\chi^2/\text{NDF}: 7274.6/41$

All: -12.609 ± 0.065 $\chi^2/\text{NDF}: 16701.1/82$

- sign -12.258 ± 0.093 $\chi^2/\text{NDF}: 9398.2/40$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -9.102 ± 0.662 χ^2/NDF : 184.4/16

Left Out: 7.028 ± 0.077 χ^2/NDF : 2665.3/24

Right Out: -8.390 ± 0.608 χ^2/NDF : 134.5/17

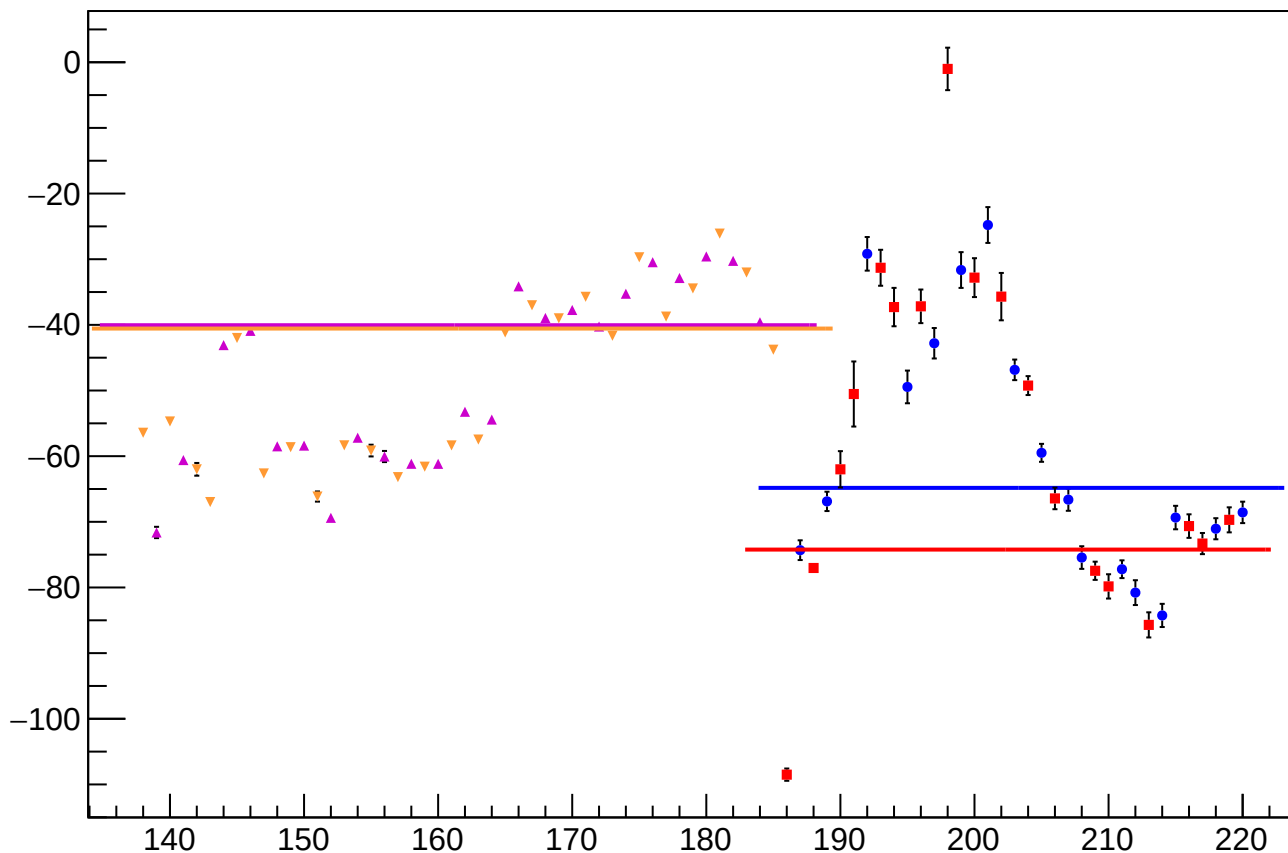
Left In: 6.914 ± 0.078 χ^2/NDF : 2428.2/22

+ sign 6.811 ± 0.077 χ^2/NDF : 3435.4/41

All: 6.740 ± 0.054 χ^2/NDF : 6622.7/82

- sign 6.668 ± 0.077 χ^2/NDF : 3185.5/40

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -64.829 ± 0.426 χ^2/NDF : 1216.7/16

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -74.228 ± 0.387 χ^2/NDF : 3219.0/17

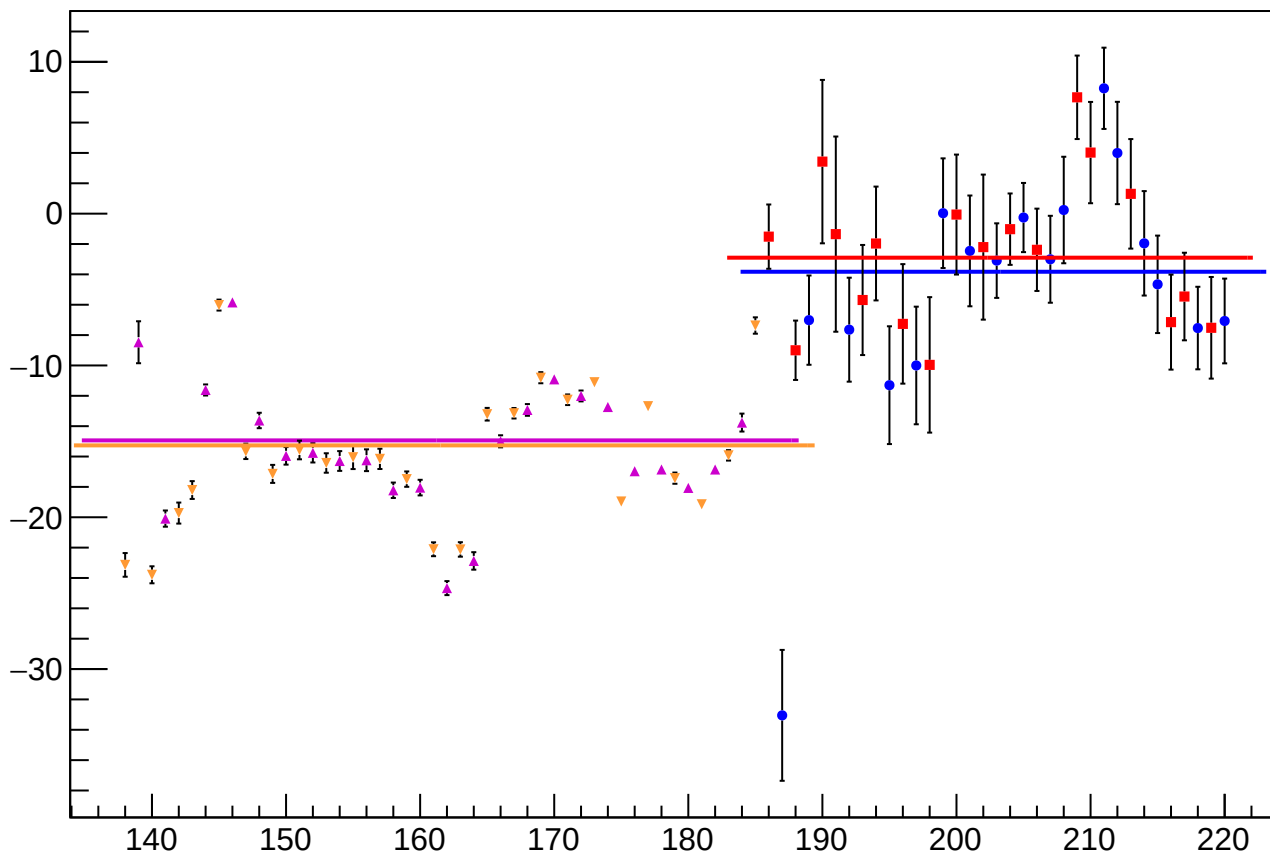
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -41.708 ± 0.092 χ^2/NDF : 19952.5/41

All: -41.865 ± 0.066 χ^2/NDF : 44458.1/82

- sign -42.022 ± 0.093 χ^2/NDF : 24499.9/40

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -3.827+/-0.751 χ^2/NDF : 89.2/16

Left Out: -15.266+/-0.086 χ^2/NDF : 2595.5/24

Right Out: -2.901+/-0.737 χ^2/NDF : 42.2/17

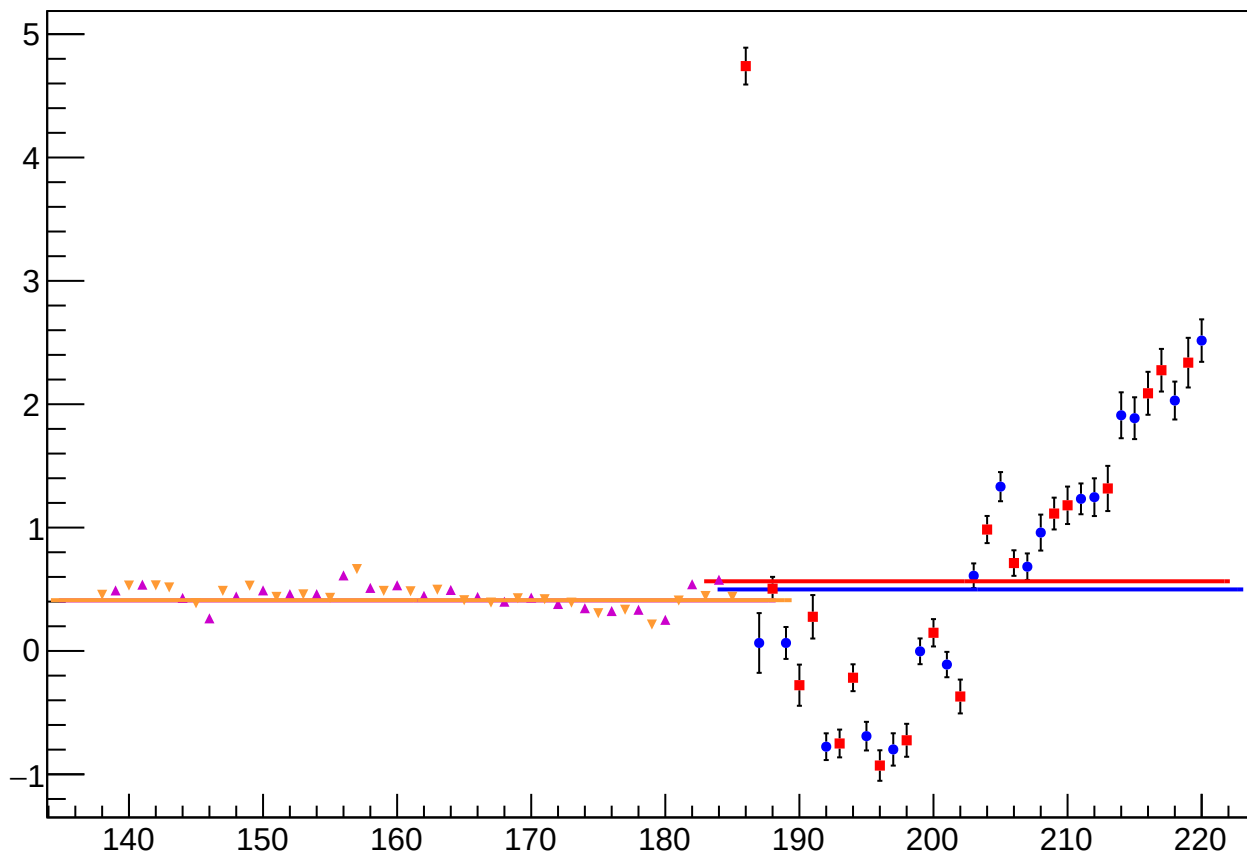
Left In: -14.936+/-0.087 χ^2/NDF : 2199.7/22

+ sign -15.118+/-0.085 χ^2/NDF : 2913.8/41

All: -14.946+/-0.061 χ^2/NDF : 5426.7/82

- sign -14.771+/-0.086 χ^2/NDF : 2504.8/40

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.499 ± 0.031 χ^2/NDF : 897.7/16

Left Out: 0.411 ± 0.004 χ^2/NDF : 428.7/24

Right Out: 0.565 ± 0.031 χ^2/NDF : 1617.7/17

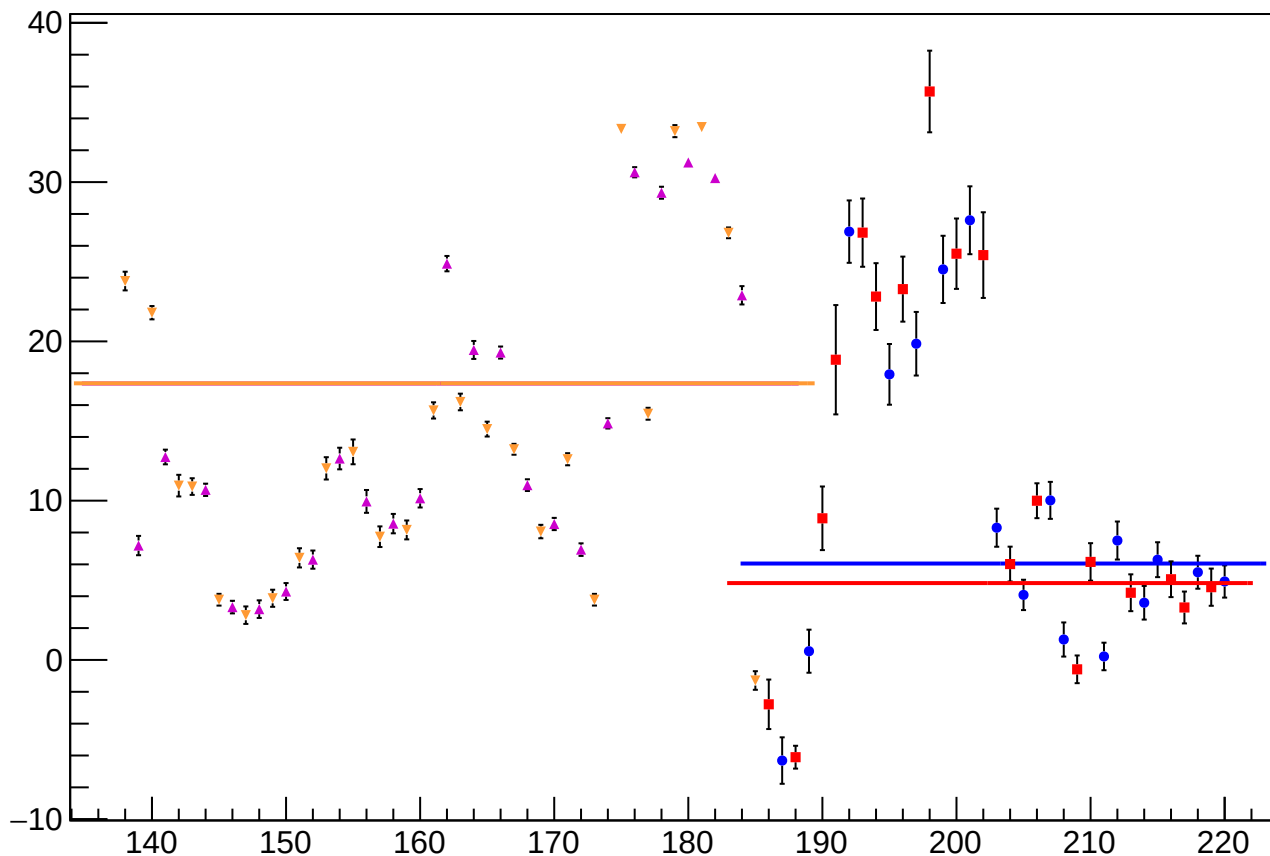
Left In: 0.409 ± 0.004 χ^2/NDF : 557.8/22

+ sign 0.413 ± 0.004 χ^2/NDF : 1334.1/41

All: 0.412 ± 0.003 χ^2/NDF : 3534.4/82

- sign 0.412 ± 0.004 χ^2/NDF : 2200.2/40

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 6.053 ± 0.297 $\chi^2/\text{NDF}: 560.5/16$

Left Out: 17.367 ± 0.087 $\chi^2/\text{NDF}: 16337.6/24$

Right Out: 4.826 ± 0.303 $\chi^2/\text{NDF}: 895.6/17$

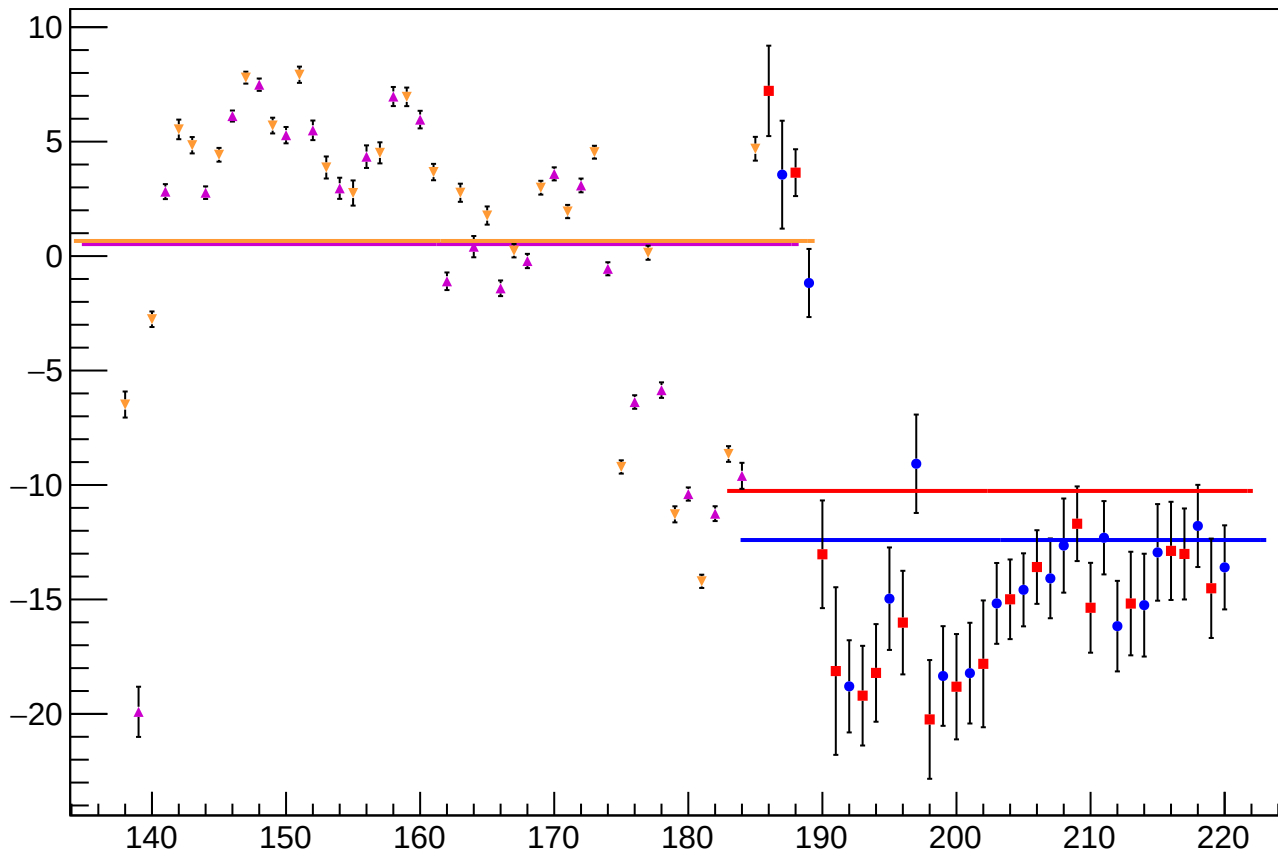
Left In: 17.355 ± 0.089 $\chi^2/\text{NDF}: 12745.1/22$

+ sign 16.471 ± 0.084 $\chi^2/\text{NDF}: 18235.5/41$

All: 16.419 ± 0.060 $\chi^2/\text{NDF}: 33448.1/82$

- sign 16.364 ± 0.085 $\chi^2/\text{NDF}: 15211.8/40$

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -12.404 ± 0.463 χ^2/NDF : 142.1/16

Left Out: 0.661 ± 0.069 χ^2/NDF : 8553.9/24

Right Out: -10.260 ± 0.457 χ^2/NDF : 373.5/17

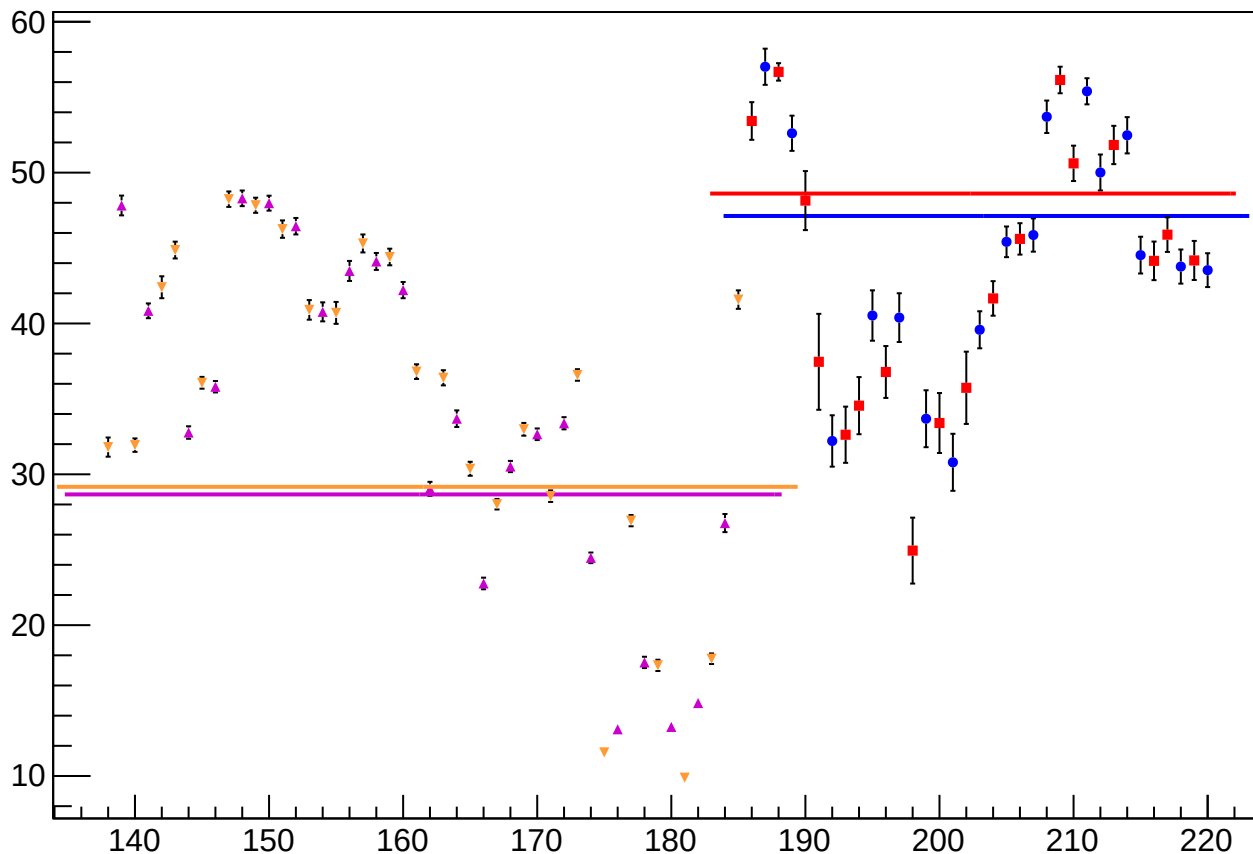
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.374 ± 0.069 χ^2/NDF : 9475.0/41

All: 0.323 ± 0.049 χ^2/NDF : 17123.4/82

- sign 0.271 ± 0.070 χ^2/NDF : 7647.4/40

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 47.126 ± 0.297 $\chi^2/\text{NDF}: 544.9/16$

Left Out: 29.171 ± 0.088 $\chi^2/\text{NDF}: 18974.7/24$

Right Out: 48.613 ± 0.291 $\chi^2/\text{NDF}: 759.5/17$

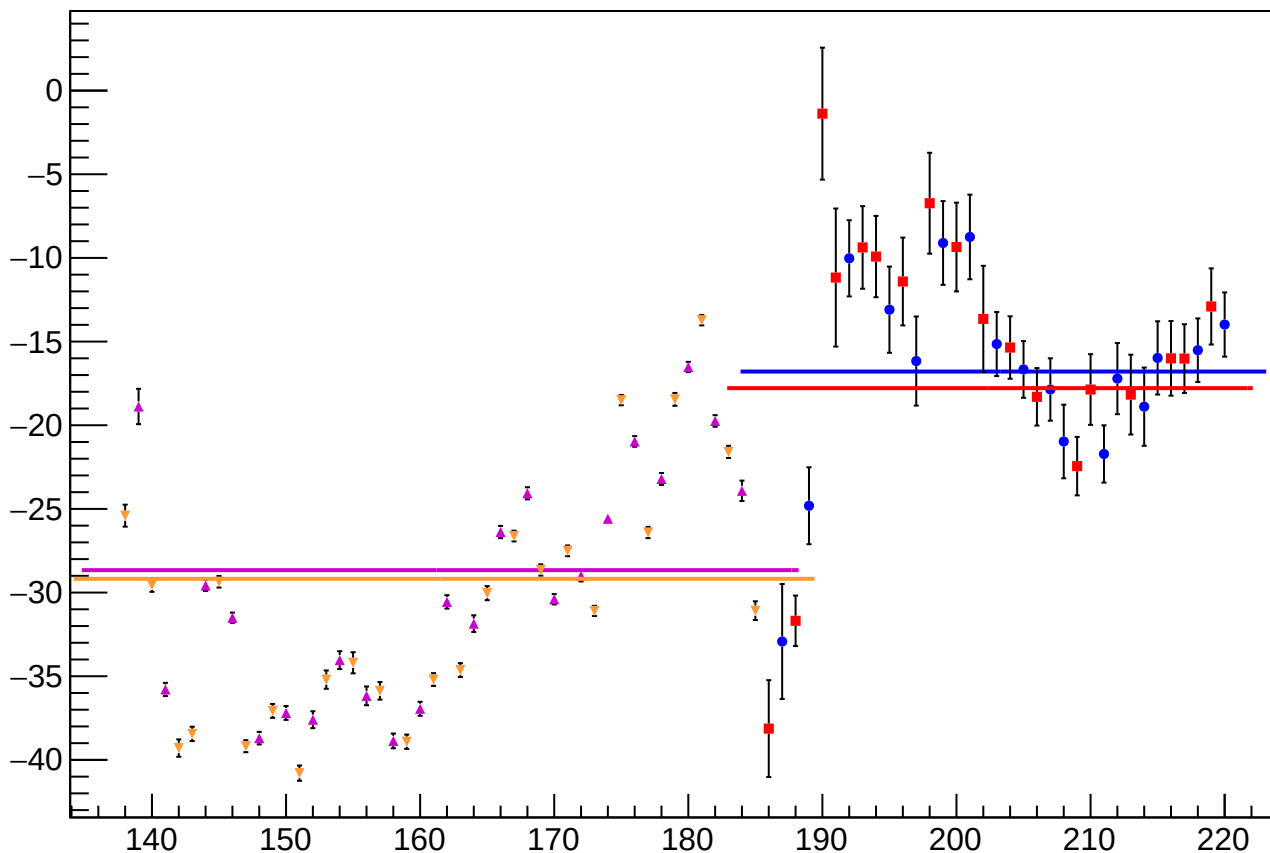
Left In: 28.667 ± 0.089 $\chi^2/\text{NDF}: 16847.2/22$

+ sign 30.617 ± 0.084 $\chi^2/\text{NDF}: 22890.1/41$

All: 30.500 ± 0.060 $\chi^2/\text{NDF}: 44800.3/82$

- sign 30.379 ± 0.085 $\chi^2/\text{NDF}: 21906.2/40$

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -16.790 ± 0.520 $\chi^2/\text{NDF}: 81.2/16$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -17.783 ± 0.535 $\chi^2/\text{NDF}: 222.3/17$

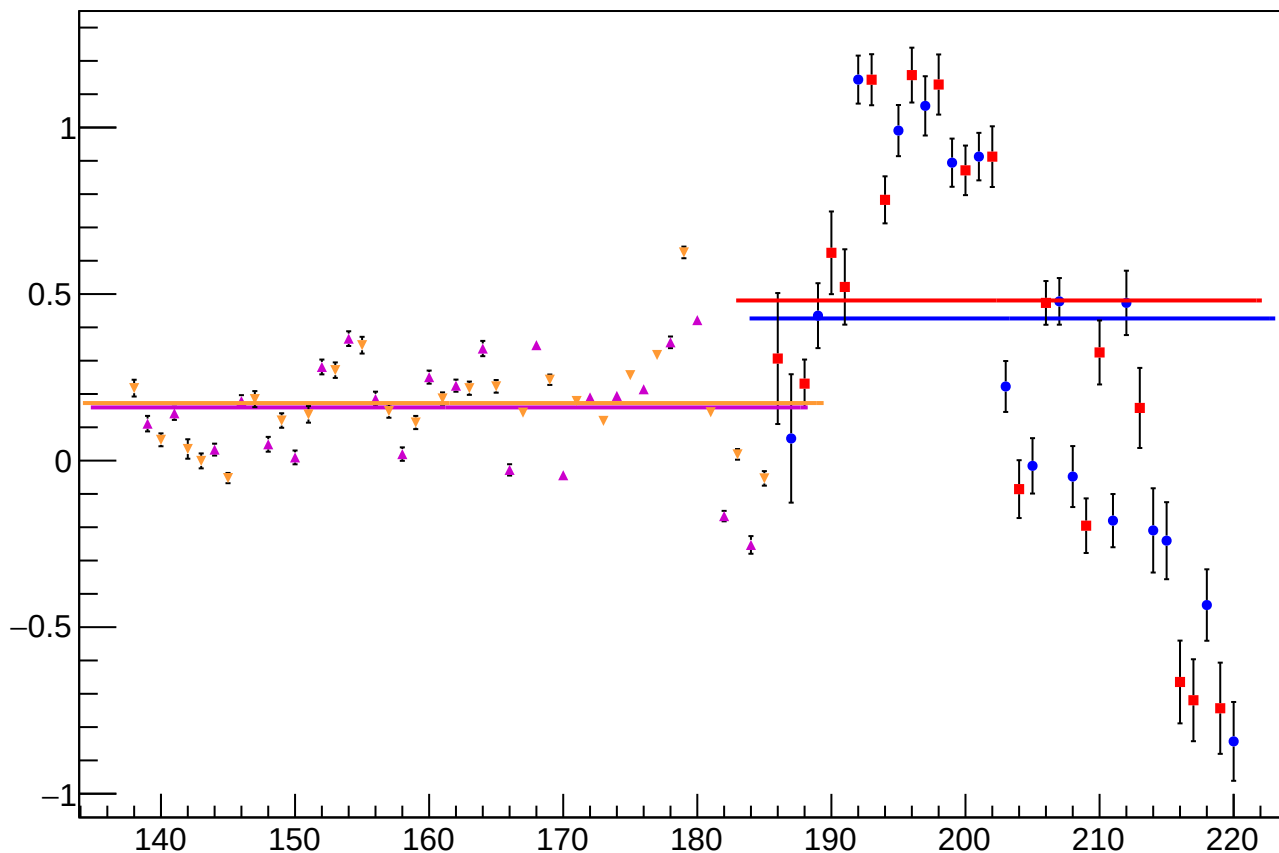
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -28.905 ± 0.077 $\chi^2/\text{NDF}: 9716.8/41$

All: -28.669 ± 0.055 $\chi^2/\text{NDF}: 17032.9/82$

- sign -28.423 ± 0.079 $\chi^2/\text{NDF}: 7297.1/40$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.427 ± 0.021 χ^2/NDF : 655.1/16

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.481 ± 0.021 χ^2/NDF : 656.9/17

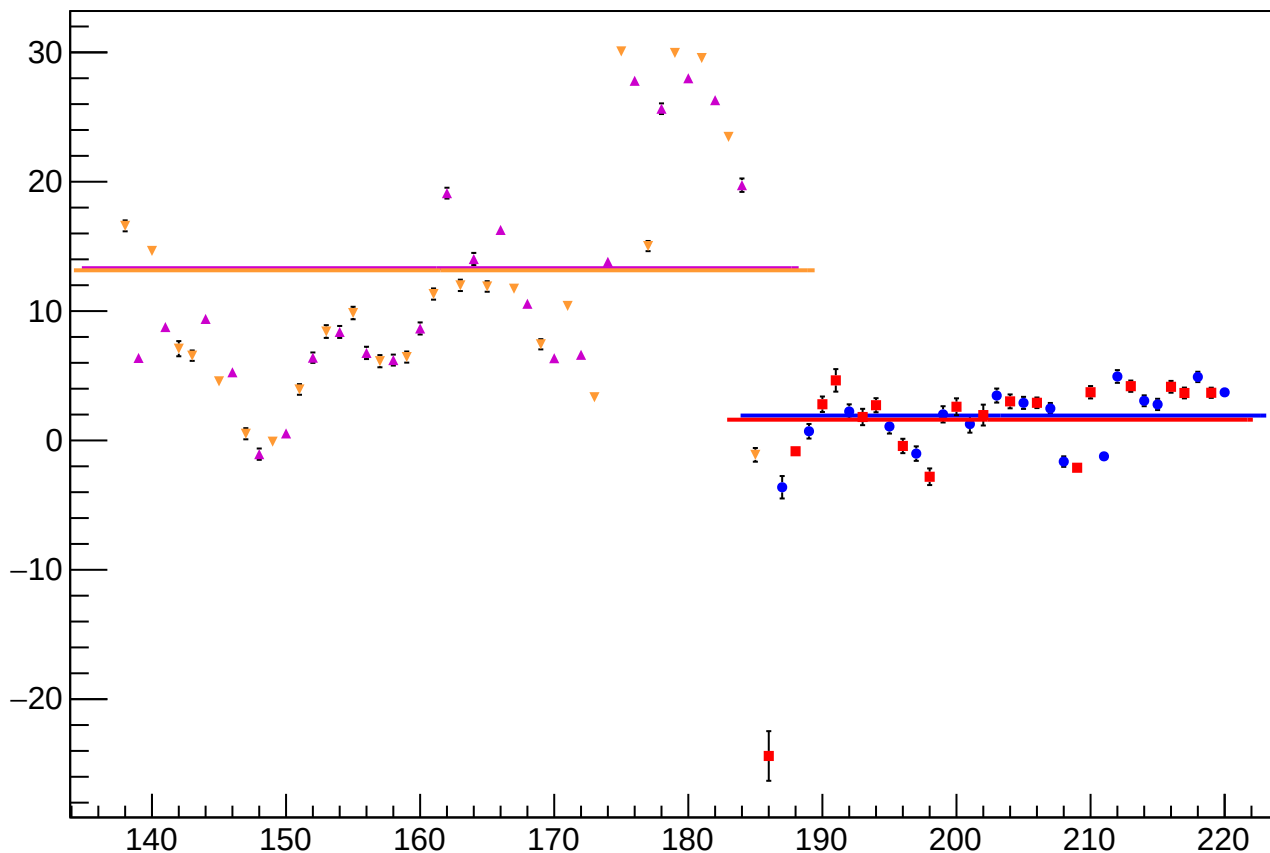
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.180 ± 0.004 χ^2/NDF : 2272.0/41

All: 0.174 ± 0.003 χ^2/NDF : 5209.7/82

- sign 0.169 ± 0.004 χ^2/NDF : 2932.9/40

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.924 ± 0.117 χ^2/NDF : 361.3/16

Left Out: 13.153 ± 0.075 χ^2/NDF : 17079.7/24

Right Out: 1.605 ± 0.114 χ^2/NDF : 618.7/17

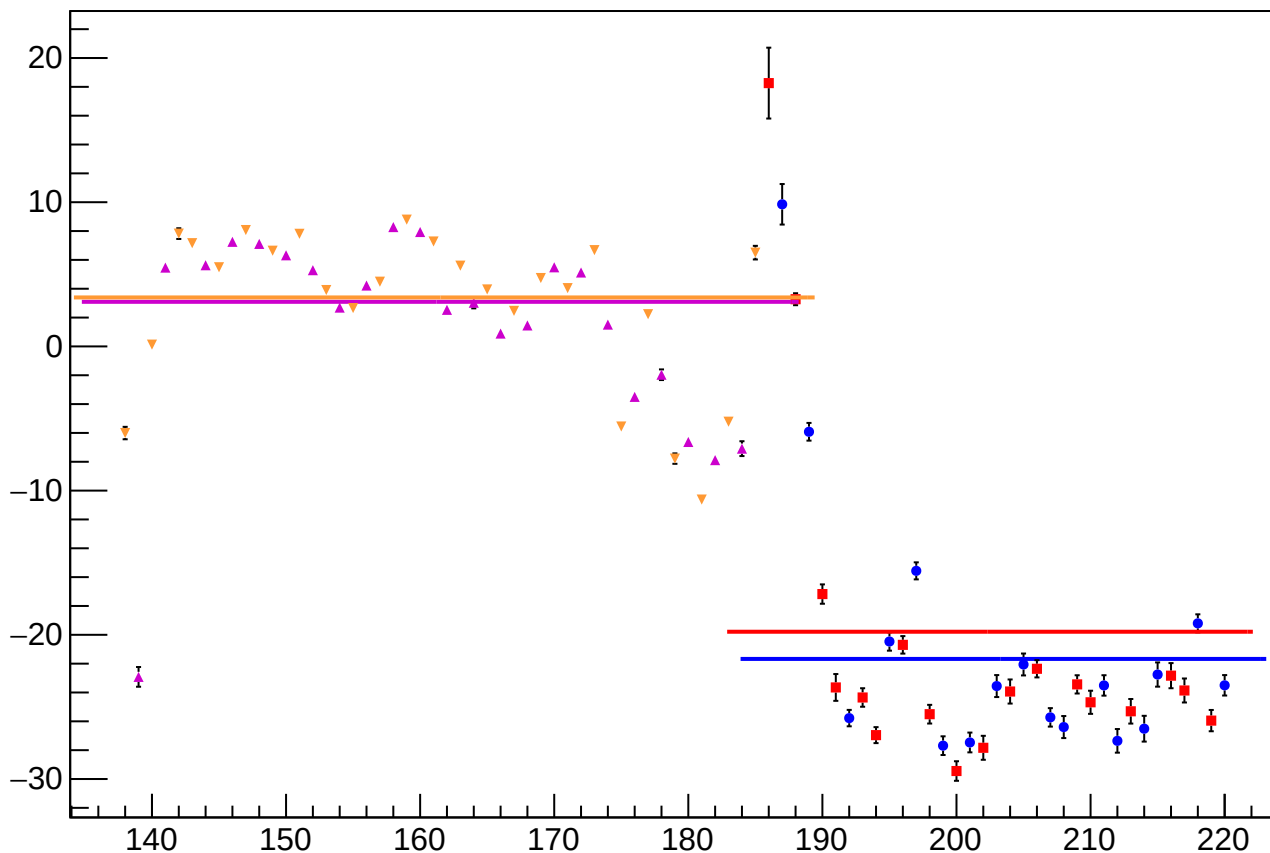
Left In: 13.315 ± 0.077 χ^2/NDF : 13977.7/22

+ sign 9.861 ± 0.063 χ^2/NDF : 23973.9/41

All: 9.746 ± 0.045 χ^2/NDF : 45837.3/82

- sign 9.629 ± 0.064 χ^2/NDF : 21856.7/40

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -21.672 ± 0.170 $\chi^2/\text{NDF}: 1674.1/16$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -19.787 ± 0.162 $\chi^2/\text{NDF}: 4224.9/17$

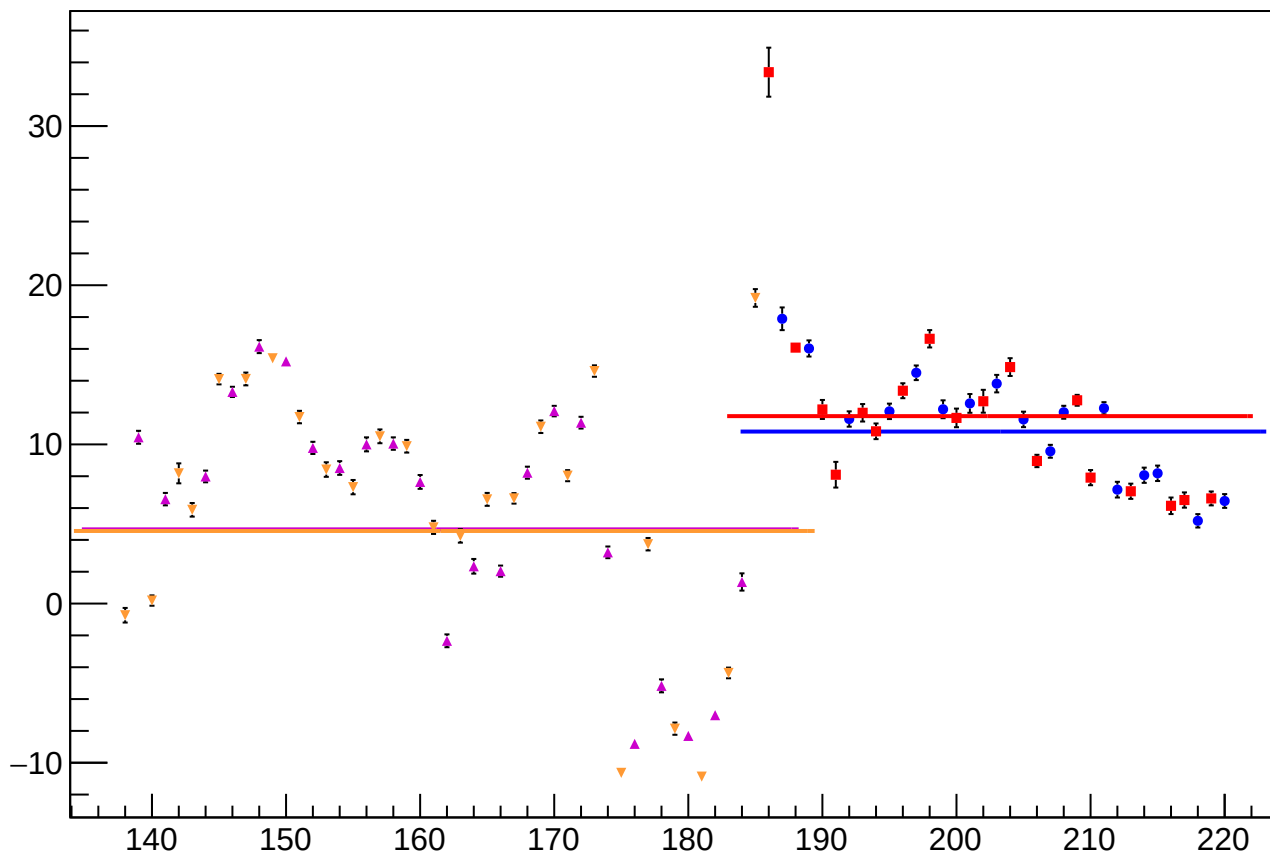
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 0.765 ± 0.055 $\chi^2/\text{NDF}: 29130.0/41$

All: 0.534 ± 0.040 $\chi^2/\text{NDF}: 57969.4/82$

- sign 0.290 ± 0.057 $\chi^2/\text{NDF}: 28803.5/40$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 10.807+/-0.115 χ^2/NDF : 754.5/16

Left Out: 4.561+/-0.075 χ^2/NDF :13592.1/24

Right Out: 11.776+/-0.109 χ^2/NDF : 1301.8/17

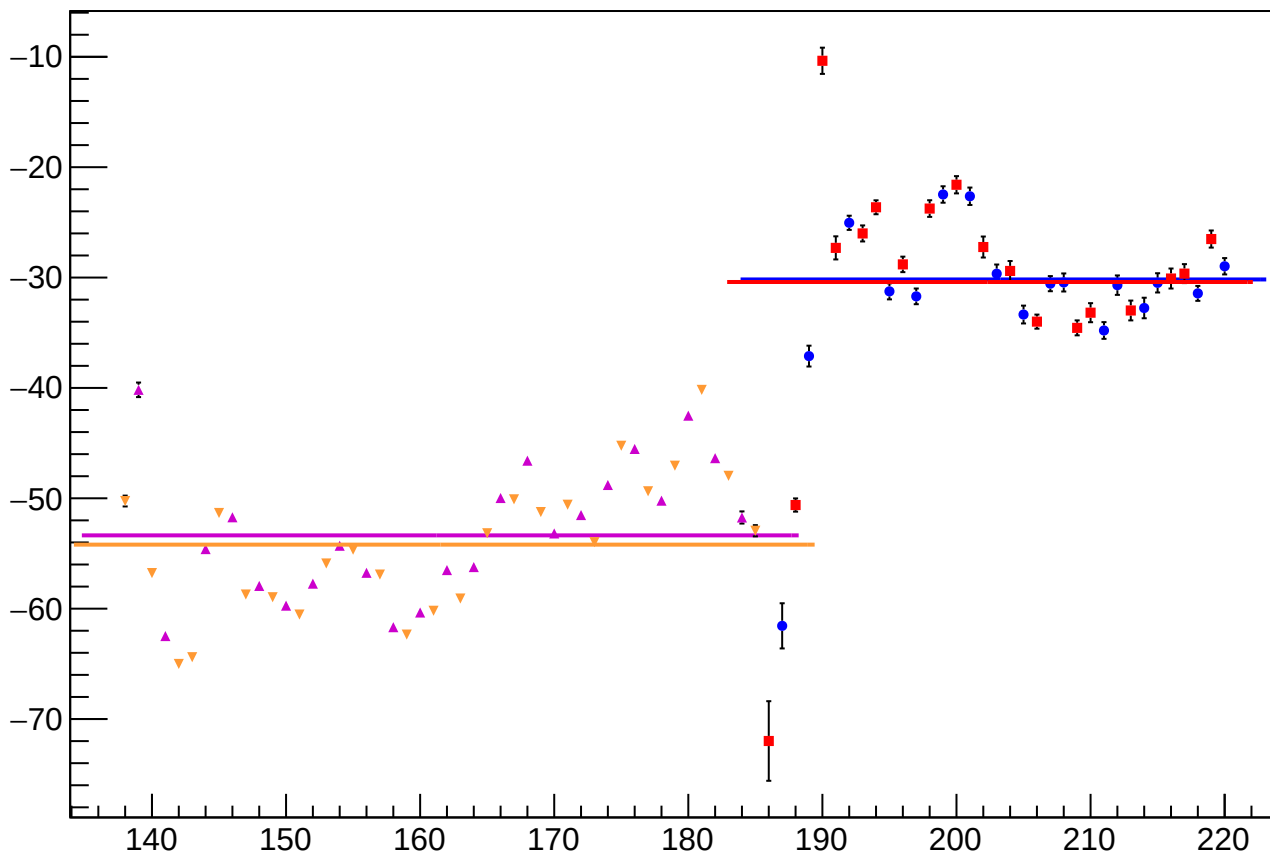
Left In: 4.662+/-0.077 χ^2/NDF :11281.5/22

+ sign 6.434+/-0.063 χ^2/NDF : 16405.3/41

All: 6.733+/-0.044 χ^2/NDF : 31887.2/82

- sign 7.029+/-0.063 χ^2/NDF : 15437.2/40

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -30.171 ± 0.192 χ^2/NDF : 625.6/16

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -30.402 ± 0.189 χ^2/NDF : 2052.5/17

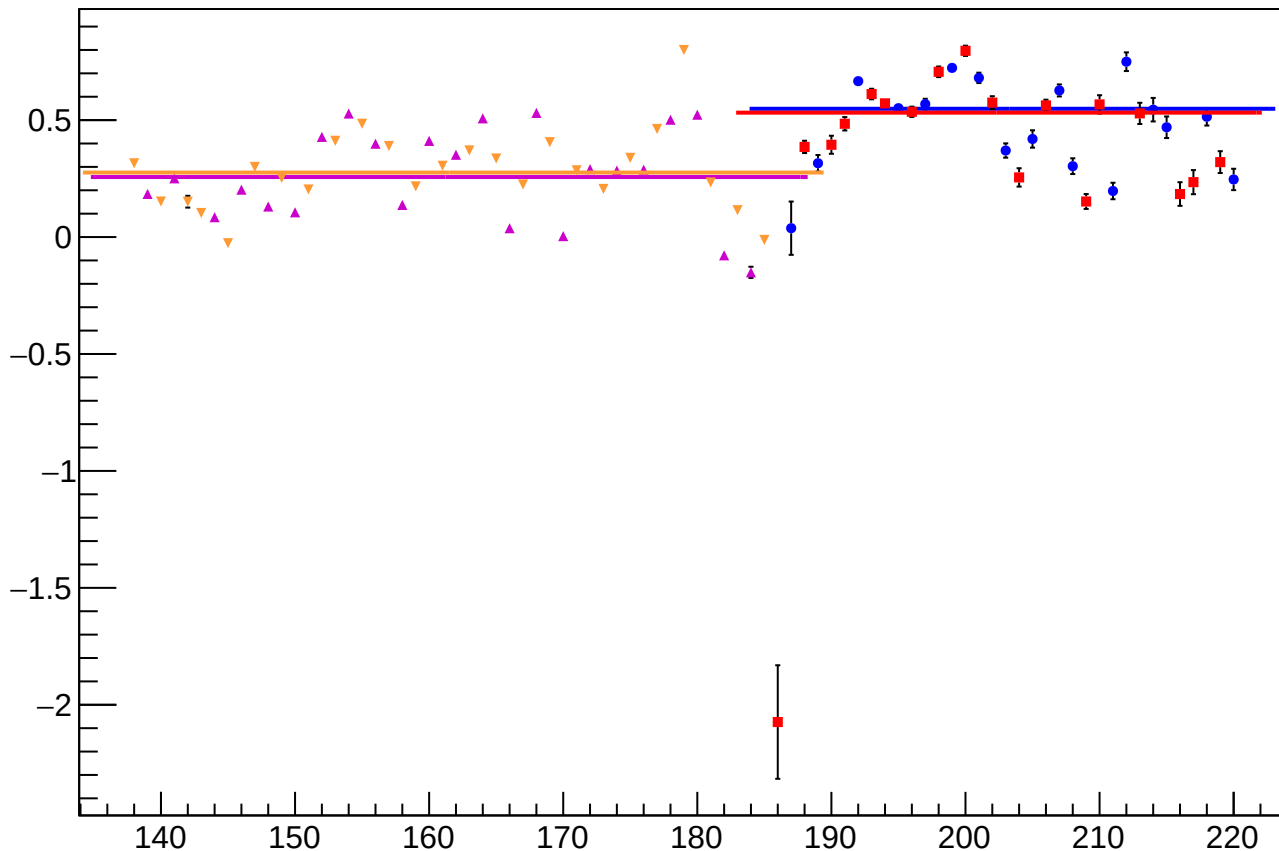
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -51.630 ± 0.063 χ^2/NDF : 23085.0/41

All: -51.170 ± 0.045 χ^2/NDF : 45217.4/82

- sign -50.685 ± 0.064 χ^2/NDF : 22022.0/40

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.549 ± 0.007 χ^2/NDF : 480.6/16

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.532 ± 0.007 χ^2/NDF : 682.1/17

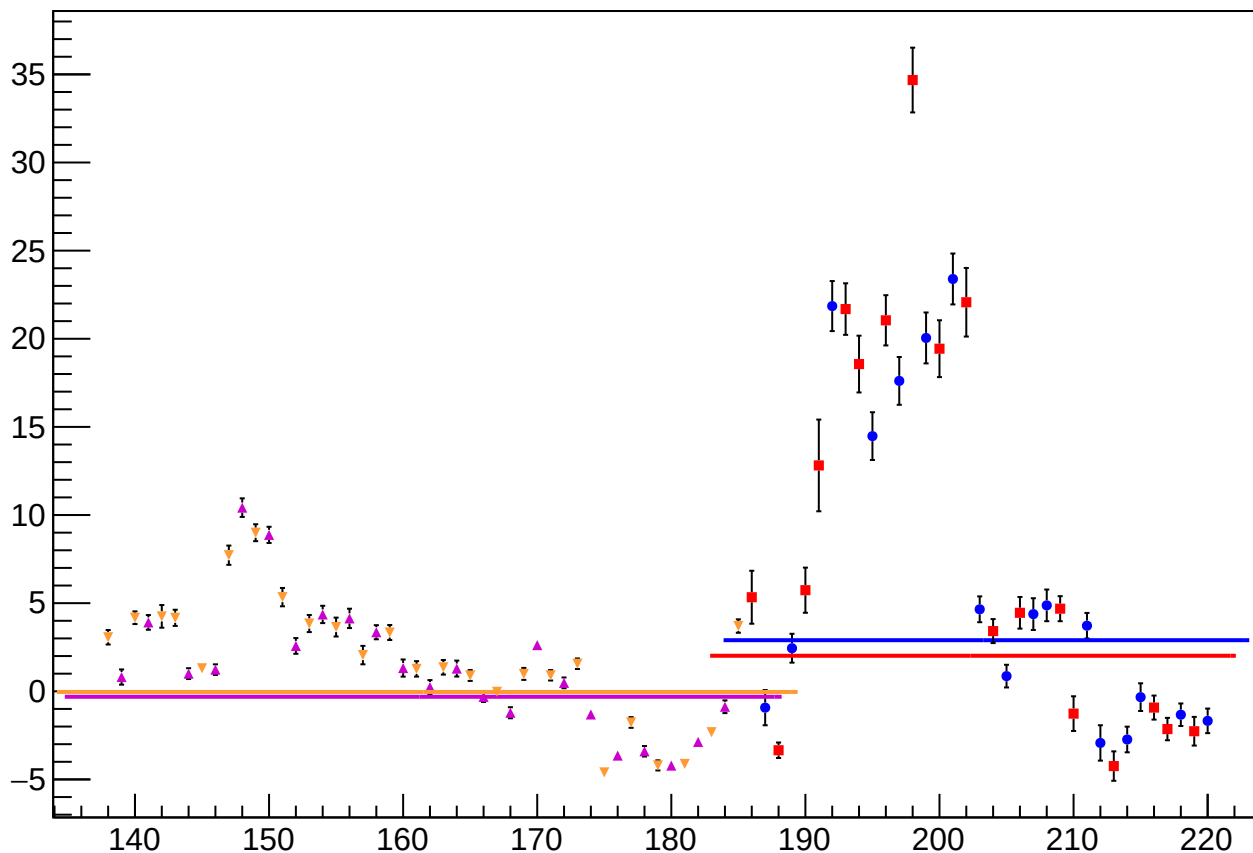
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.317 ± 0.003 χ^2/NDF : 4316.8/41

All: 0.311 ± 0.002 χ^2/NDF : 9978.9/82

- sign 0.304 ± 0.003 χ^2/NDF : 5650.6/40

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.899 ± 0.210 χ^2/NDF : 948.4/16

Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24

Right Out: 2.017 ± 0.210 χ^2/NDF : 1365.6/17

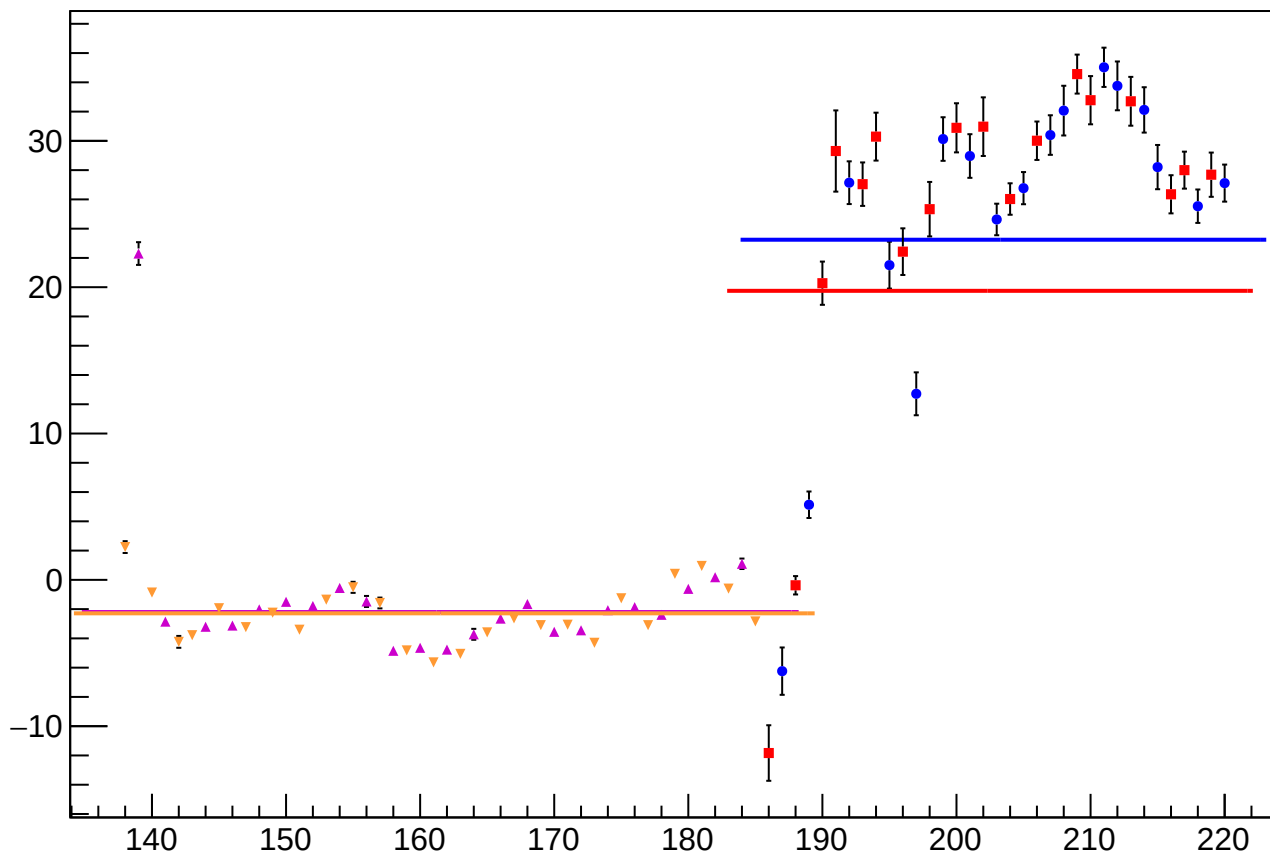
Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign 0.227 ± 0.063 χ^2/NDF : 3764.2/41

All: 0.070 ± 0.045 χ^2/NDF : 7504.3/82

- sign -0.093 ± 0.064 χ^2/NDF : 3727.4/40

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 23.244 $\pm$ 0.323 χ^2 /NDF: 1069.0/16

Left Out: -2.288 $\pm$ 0.054 χ^2 /NDF: 1137.7/24

Right Out: 19.752 $\pm$ 0.318 χ^2 /NDF: 1906.2/17

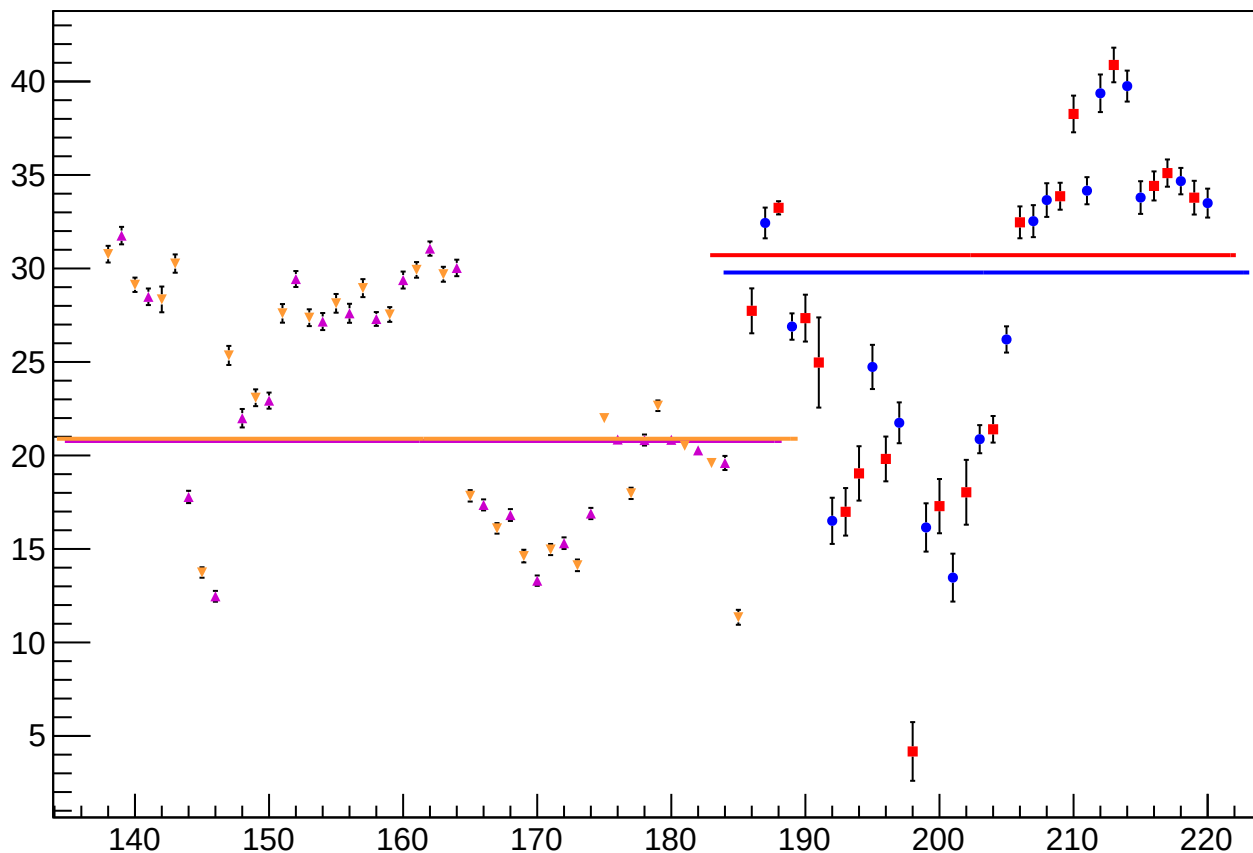
Left In: -2.198 $\pm$ 0.055 χ^2 /NDF: 1673.9/22

+ sign -1.592 $\pm$ 0.053 χ^2 /NDF: 8273.3/41

All: -1.575 $\pm$ 0.038 χ^2 /NDF: 16485.9/82

- sign -1.557 $\pm$ 0.054 χ^2 /NDF: 8212.4/40

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 29.784 $\pm$ 0.210 χ^2 /NDF: 1048.4/16

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF:6655.4/24

Right Out: 30.712 $\pm$ 0.201 χ^2 /NDF: 1204.6/17

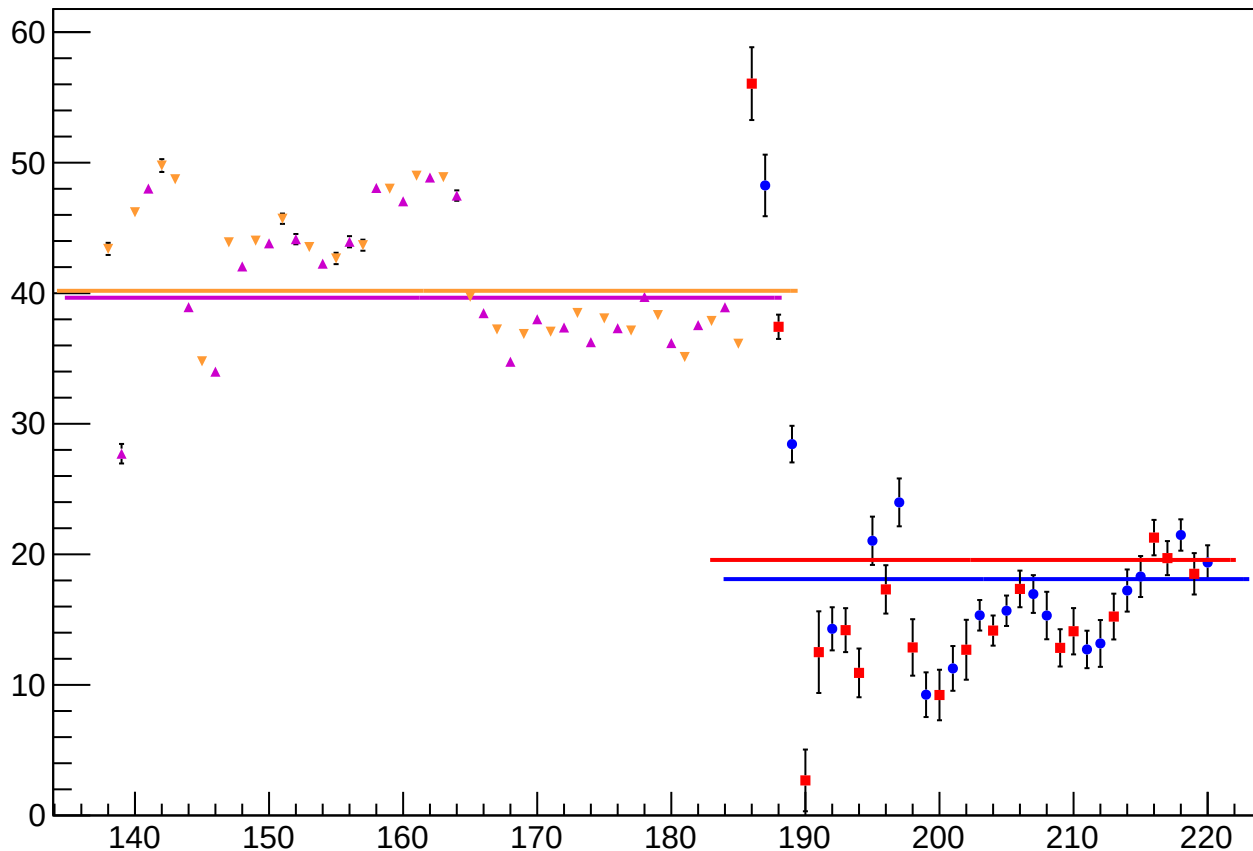
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF:5927.9/22

+ sign 21.708 $\pm$ 0.064 χ^2 /NDF: 9329.5/41

All: 21.744 $\pm$ 0.045 χ^2 /NDF: 18658.0/82

- sign 21.782 $\pm$ 0.064 χ^2 /NDF: 9327.8/40

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 18.104 $\pm$ 0.367 χ^2 /NDF: 322.4/16

Left Out: 40.186 $\pm$ 0.060 χ^2 /NDF: 5932.7/24

Right Out: 19.571 $\pm$ 0.376 χ^2 /NDF: 740.6/17

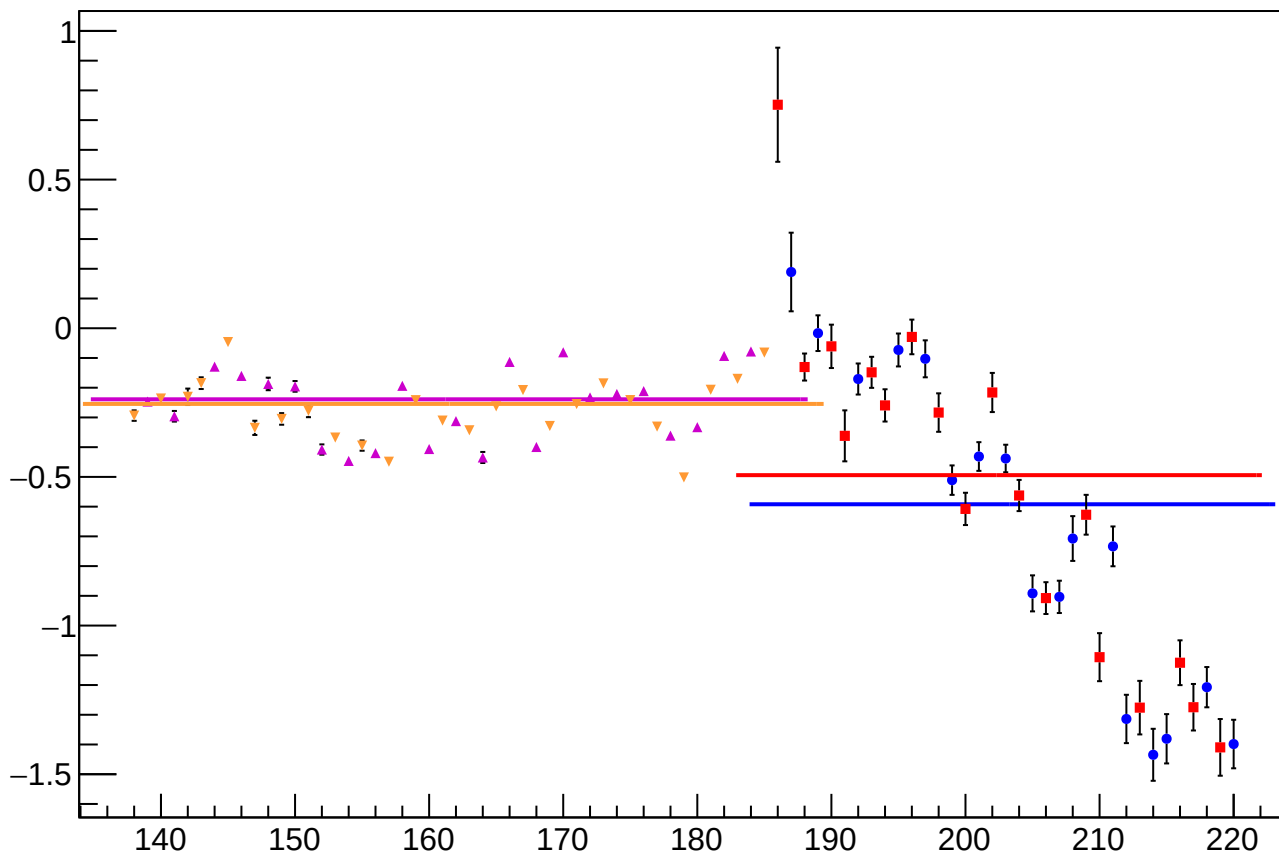
Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

+ sign 39.604 $\pm$ 0.060 χ^2 /NDF: 9780.8/41

All: 39.372 $\pm$ 0.043 χ^2 /NDF: 18635.7/82

- sign 39.132 $\pm$ 0.061 χ^2 /NDF: 8824.0/40

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.592 ± 0.015 χ^2/NDF : 872.9/16

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.494 ± 0.015 χ^2/NDF : 762.9/17

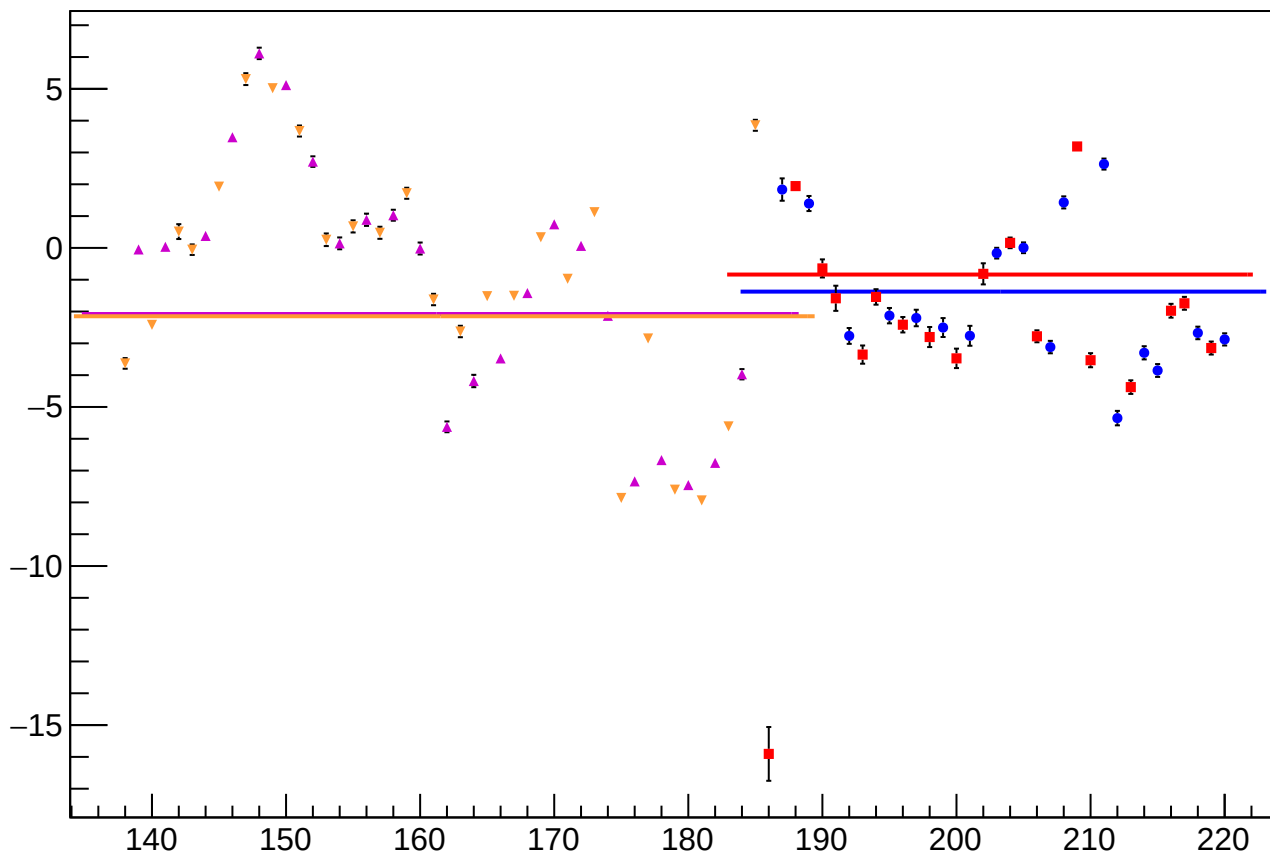
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.265 ± 0.003 χ^2/NDF : 2778.0/41

All: -0.256 ± 0.002 χ^2/NDF : 5584.7/82

- sign -0.247 ± 0.003 χ^2/NDF : 2784.6/40

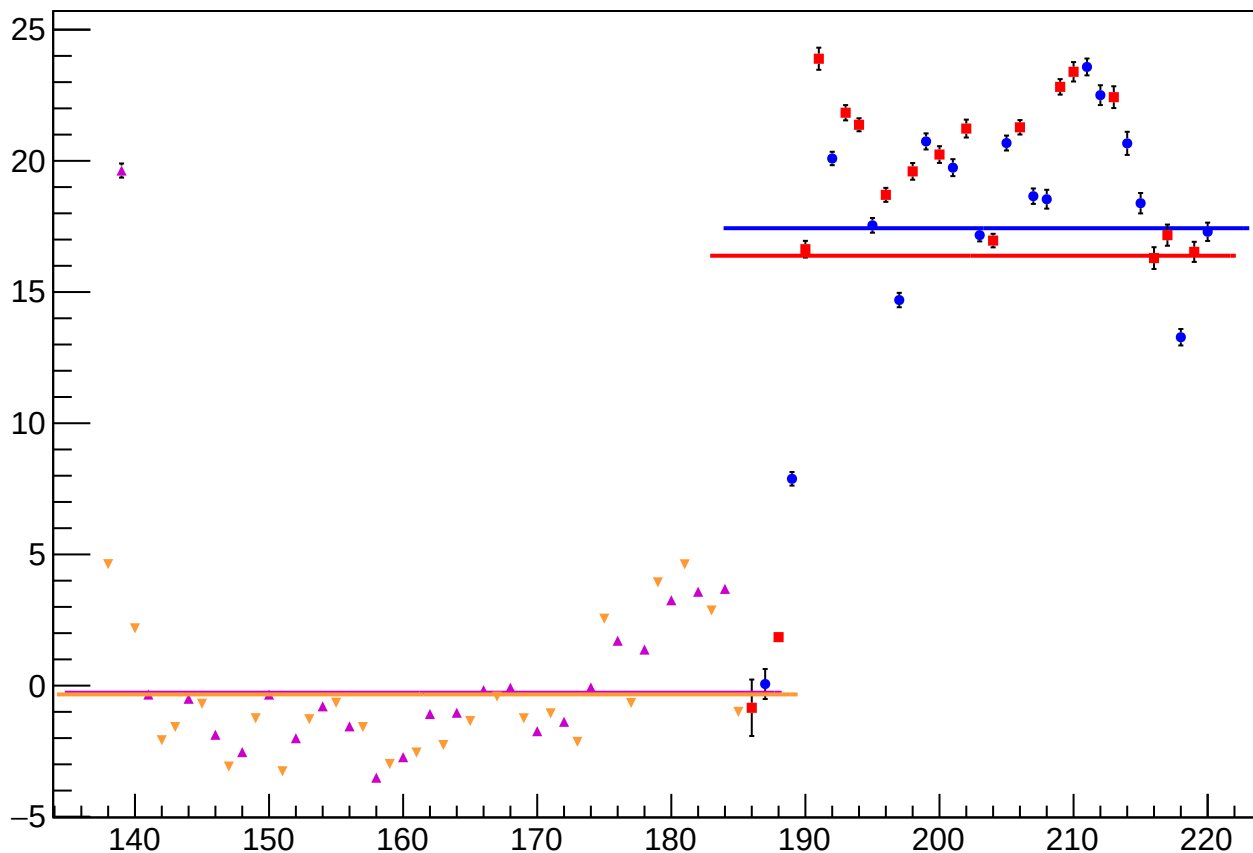
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.374 ± 0.052 $\chi^2/\text{NDF}: 1900.0/16$
 Left Out: -2.149 ± 0.026 $\chi^2/\text{NDF}: 24536.3/24$
 Right Out: -0.837 ± 0.050 $\chi^2/\text{NDF}: 2595.5/17$
 Left In: -2.078 ± 0.026 $\chi^2/\text{NDF}: 23245.8/22$

+ sign -1.996 ± 0.023 $\chi^2/\text{NDF}: 26615.8/41$
 All: -1.907 ± 0.016 $\chi^2/\text{NDF}: 52967.3/82$
 - sign -1.816 ± 0.023 $\chi^2/\text{NDF}: 26320.7/40$

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 17.433 ± 0.076 $\chi^2/\text{NDF}: 3598.3/16$

Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$

Right Out: 16.384 ± 0.071 $\chi^2/\text{NDF}: 11338.1/17$

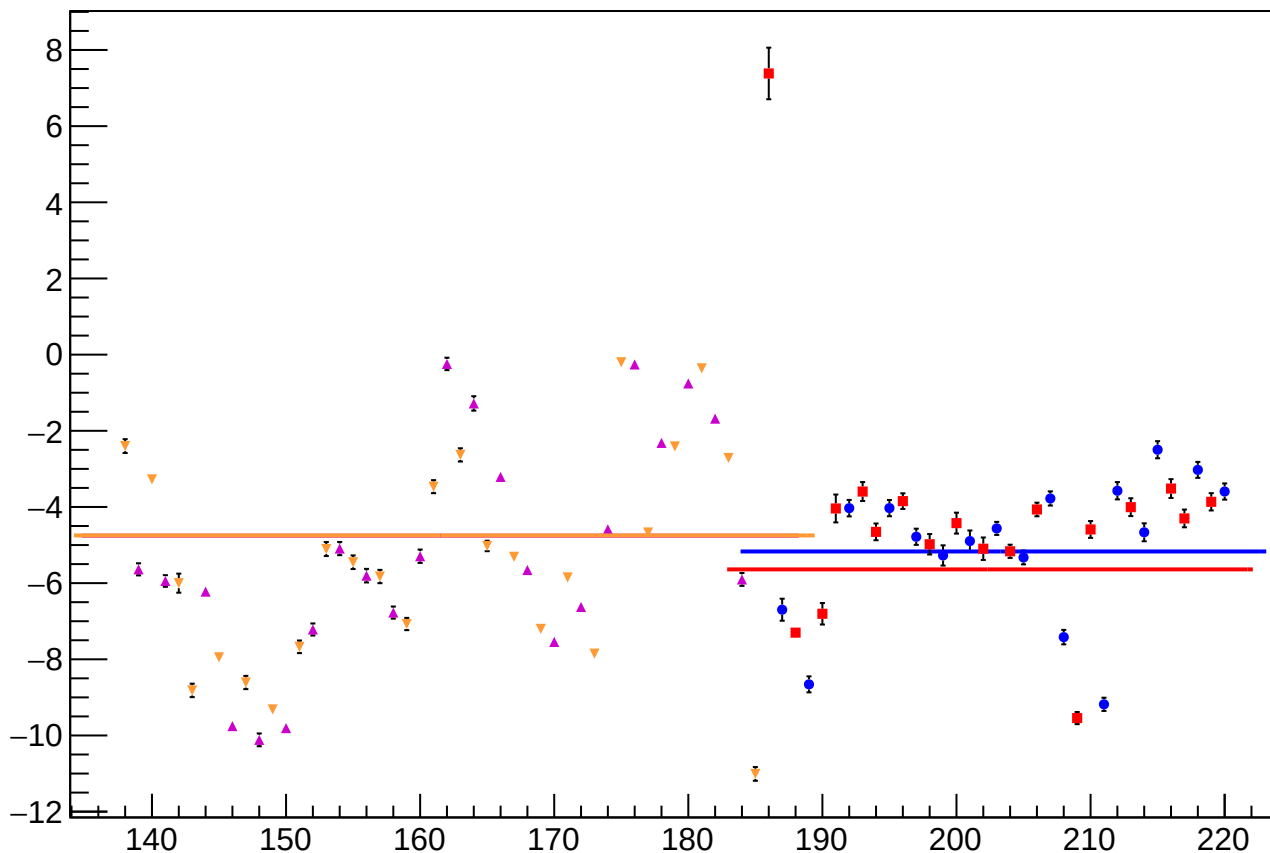
Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

+ sign 0.894 ± 0.020 $\chi^2/\text{NDF}: 67739.1/41$

All: 0.973 ± 0.014 $\chi^2/\text{NDF}: 142668.7/82$

- sign 1.054 ± 0.020 $\chi^2/\text{NDF}: 74897.5/40$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.168+/-0.051 χ^2/NDF : 1458.7/16

Left Out: -4.748+/-0.026 χ^2/NDF :13289.8/24

Right Out: -5.639+/-0.047 χ^2/NDF : 1868.7/17

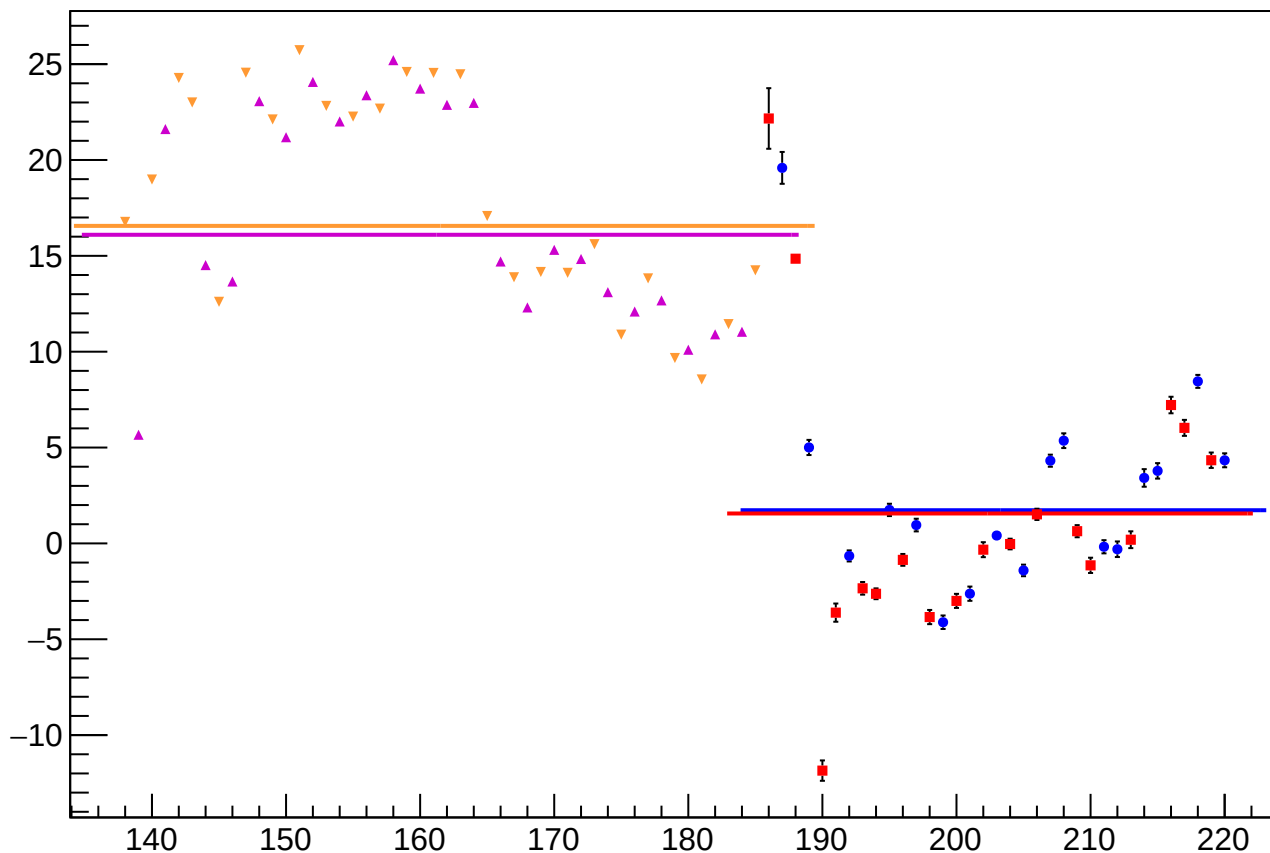
Left In: -4.753+/-0.026 χ^2/NDF :14119.2/22

+ sign -4.833+/-0.023 χ^2/NDF : 14802.3/41

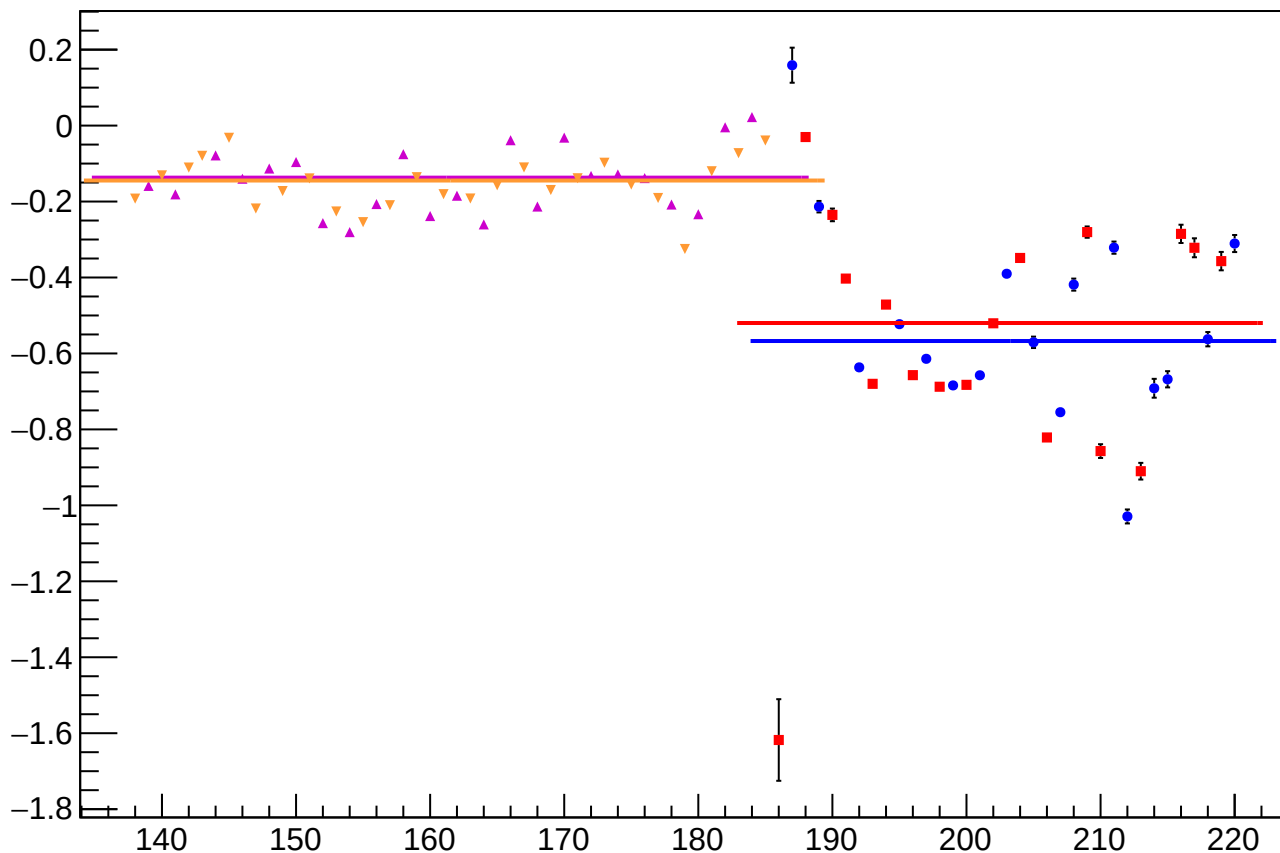
All: -4.897+/-0.016 χ^2/NDF : 31073.0/82

- sign -4.960+/-0.023 χ^2/NDF : 16255.6/40

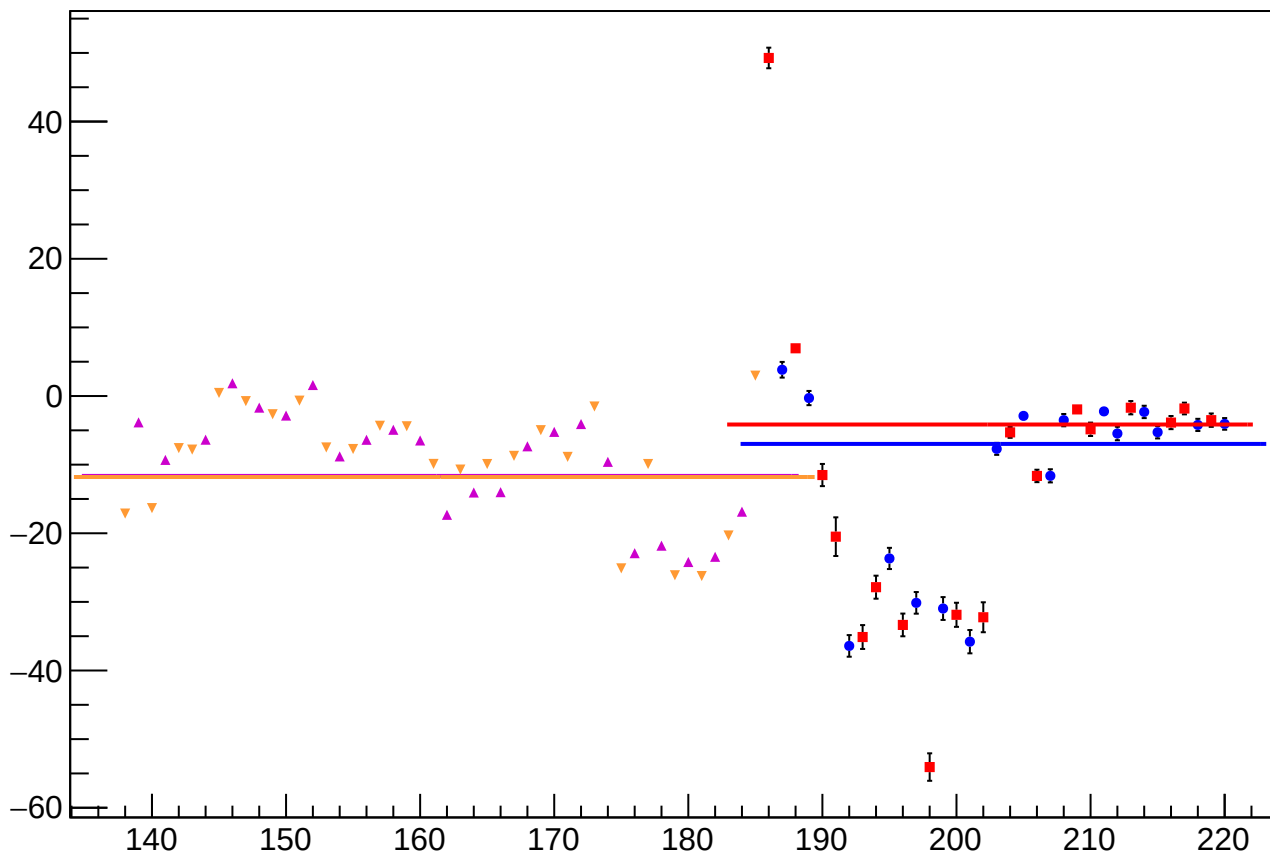
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -6.979 ± 0.241 χ^2/NDF : 1476.8/16

Left Out: -11.801 ± 0.070 χ^2/NDF : 17308.2/24

Right Out: -4.151 ± 0.245 χ^2/NDF : 3710.9/17

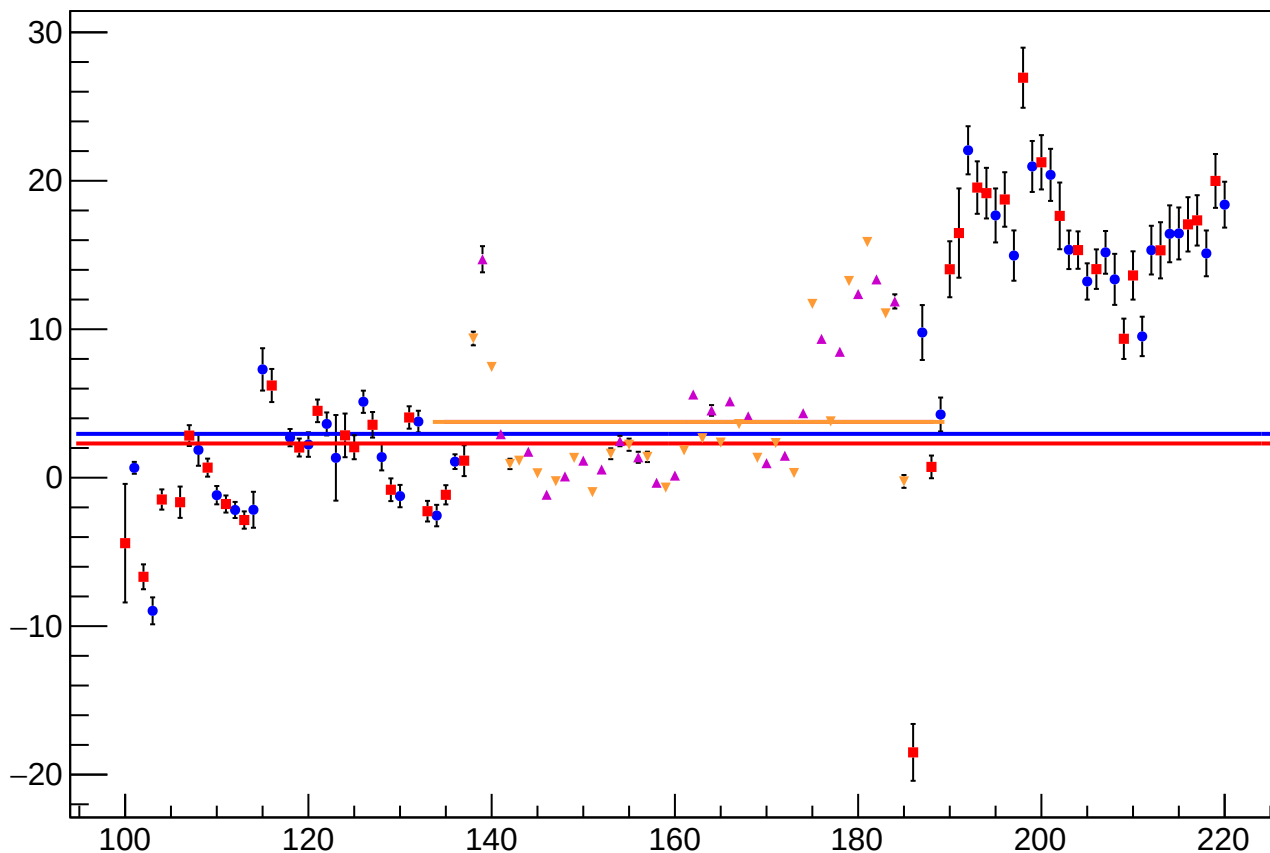
Left In: -11.642 ± 0.072 χ^2/NDF : 14121.2/22

+ sign -11.422 ± 0.067 χ^2/NDF : 19154.9/41

All: -11.242 ± 0.048 χ^2/NDF : 37860.5/82

- sign -11.055 ± 0.069 χ^2/NDF : 18691.1/40

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.952 ± 0.155 $\chi^2/\text{NDF}: 1586.8/33$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 2.305 ± 0.158 $\chi^2/\text{NDF}: 1720.9/36$

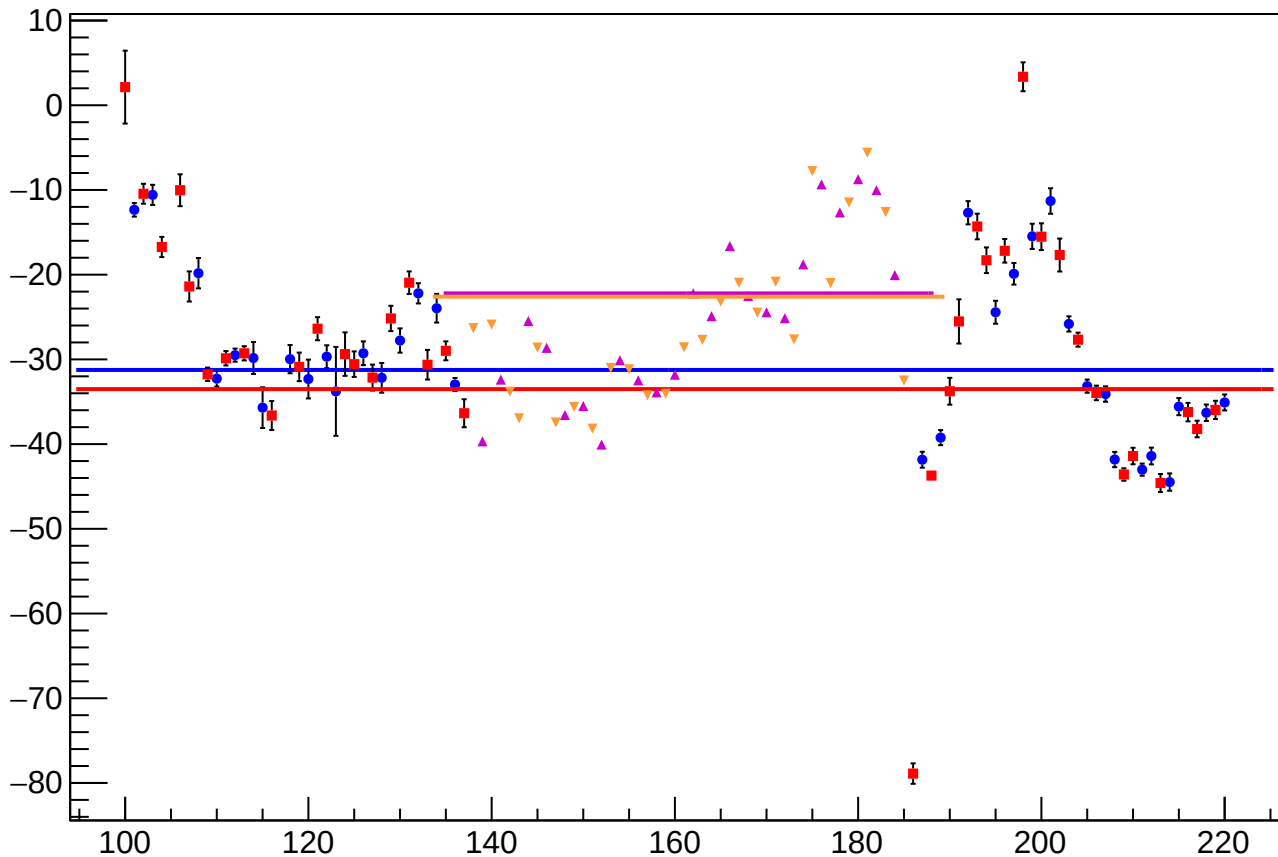
Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

+ sign 3.665 ± 0.052 $\chi^2/\text{NDF}: 9061.3/58$

All: 3.629 ± 0.037 $\chi^2/\text{NDF}: 16487.6/118$

- sign 3.592 ± 0.053 $\chi^2/\text{NDF}: 7425.3/59$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -31.245 ± 0.188 χ^2/NDF : 2575.4/33

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -33.507 ± 0.184 χ^2/NDF : 4576.9/36

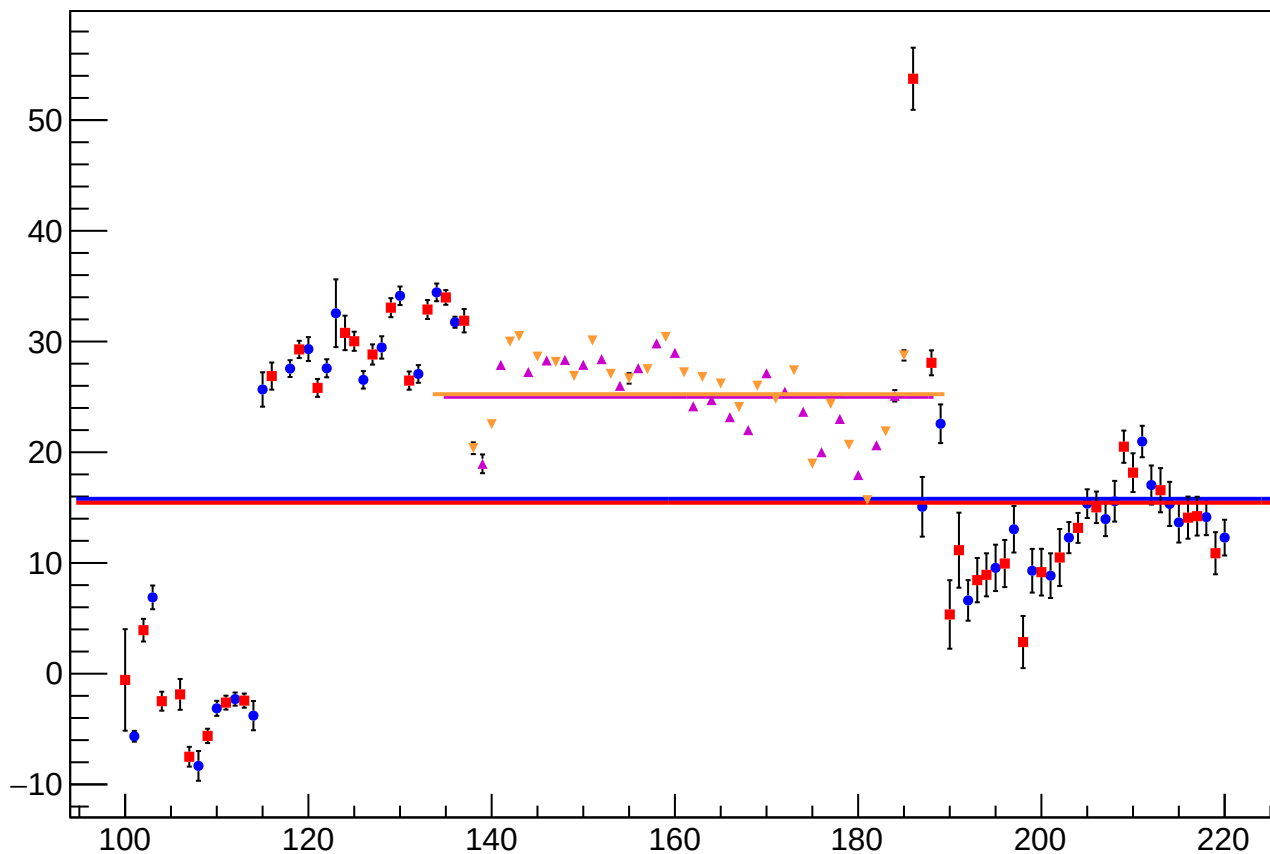
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -23.674 ± 0.066 χ^2/NDF : 24370.3/58

All: -23.684 ± 0.047 χ^2/NDF : 49850.9/118

- sign -23.695 ± 0.067 χ^2/NDF : 25480.6/59

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.794 $\pm$ 0.175 χ^2 /NDF: 7647.0/33

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.440 $\pm$ 0.179 χ^2 /NDF: 7682.5/36

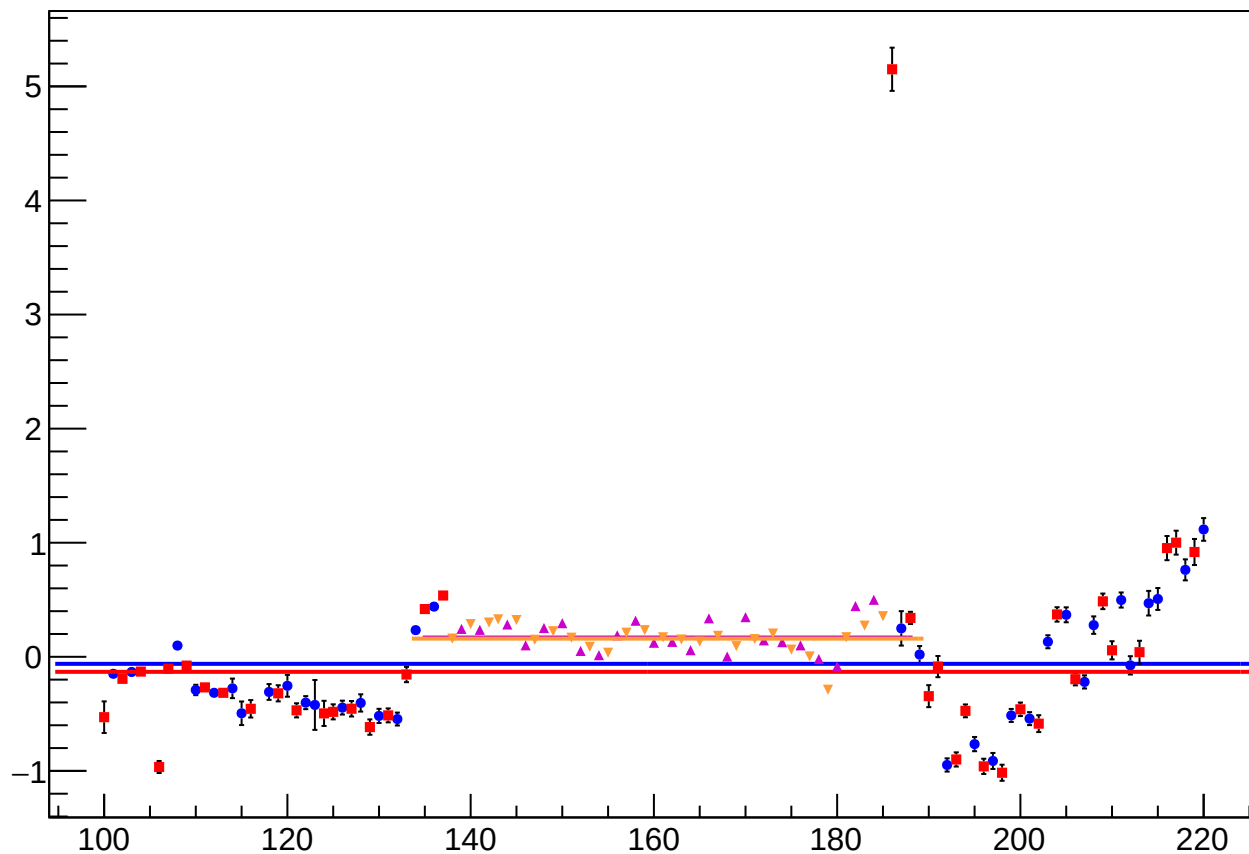
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.169 $\pm$ 0.059 χ^2 /NDF: 14019.1/58

All: 24.054 $\pm$ 0.042 χ^2 /NDF: 26954.8/118

- sign 23.934 $\pm$ 0.060 χ^2 /NDF: 12927.9/59

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.062 ± 0.009 χ^2/NDF : 2097.5/33

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.132 ± 0.009 χ^2/NDF : 3050.4/36

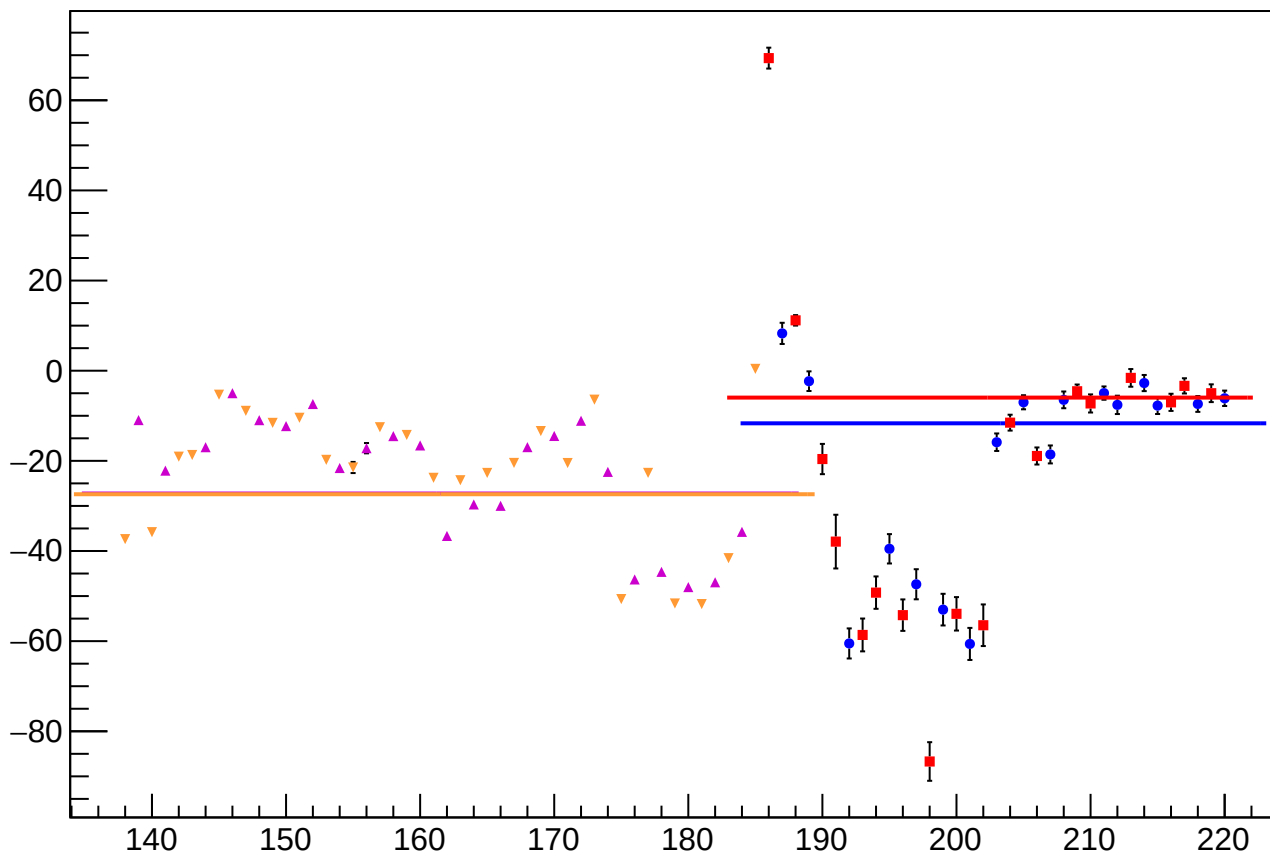
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.138 ± 0.003 χ^2/NDF : 4525.7/58

All: 0.139 ± 0.002 χ^2/NDF : 11028.3/118

- sign 0.140 ± 0.003 χ^2/NDF : 6502.5/59

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -11.672 ± 0.499 χ^2/NDF : 924.3/16

Left Out: -27.408 ± 0.137 χ^2/NDF : 14850.5/24

Right Out: -5.966 ± 0.507 χ^2/NDF : 2573.0/17

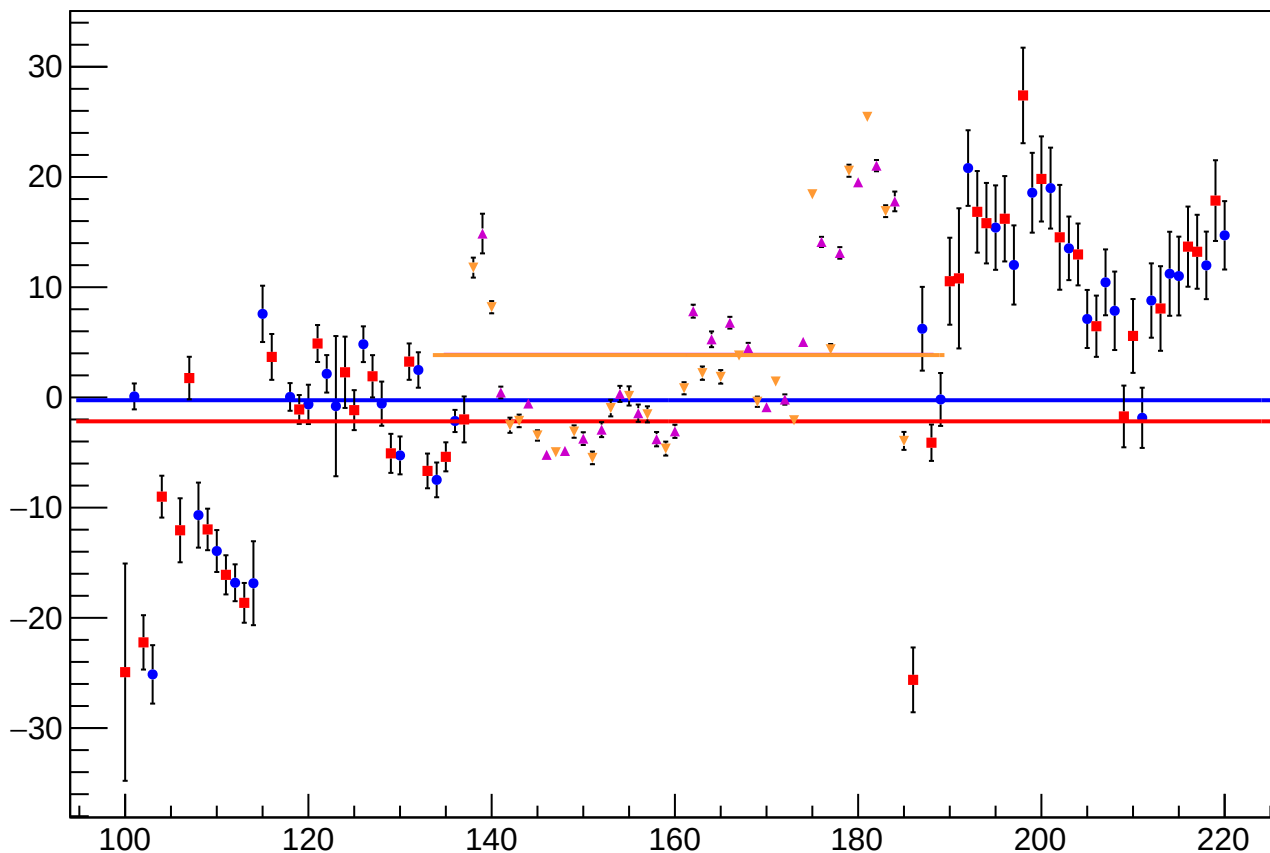
Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -26.308 ± 0.132 χ^2/NDF : 16699.0/41

All: -26.032 ± 0.094 χ^2/NDF : 32226.0/82

- sign -25.746 ± 0.134 χ^2/NDF : 15518.2/40

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -0.255 ± 0.364 χ^2/NDF : 564.5/33

Left Out: 3.841 ± 0.109 χ^2/NDF : 6939.2/24

Right Out: -2.171 ± 0.372 χ^2/NDF : 697.7/36

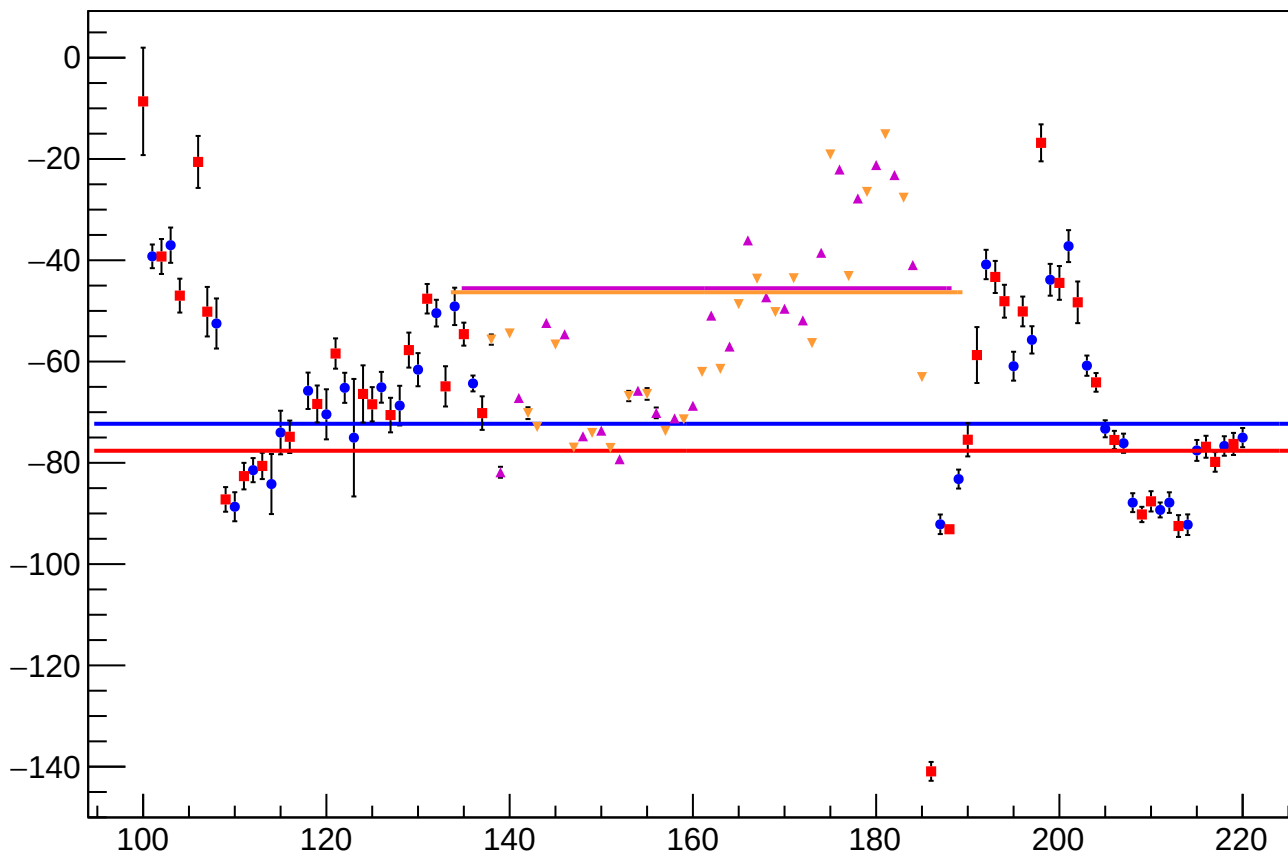
Left In: 3.866 ± 0.111 χ^2/NDF : 5424.0/22

+ sign 3.502 ± 0.105 χ^2/NDF : 7620.1/58

All: 3.438 ± 0.075 χ^2/NDF : 13983.9/118

- sign 3.372 ± 0.107 χ^2/NDF : 6363.1/59

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -72.288 $\pm$ 0.414 χ^2 /NDF: 1454.5/33

Left Out: -46.318 $\pm$ 0.138 χ^2 /NDF: 20134.6/24

Right Out: -77.617 $\pm$ 0.407 χ^2 /NDF: 3100.7/36

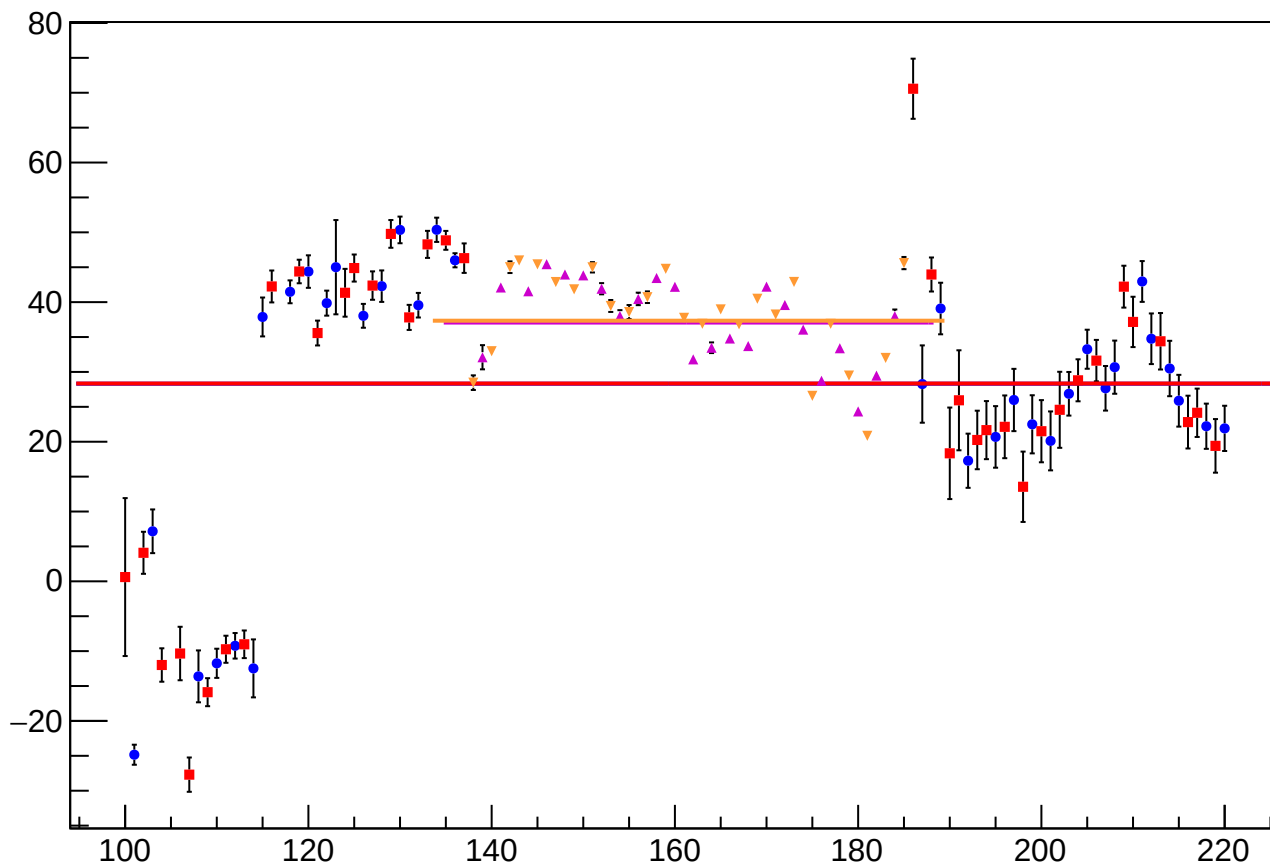
Left In: -45.522 $\pm$ 0.140 χ^2 /NDF: 17525.4/22

+ sign -48.918 $\pm$ 0.131 χ^2 /NDF: 25138.6/58

All: -48.914 $\pm$ 0.093 χ^2 /NDF: 51334.3/118

- sign -48.910 $\pm$ 0.132 χ^2 /NDF: 26195.7/59

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.313 $\pm$ 0.408 χ^2 /NDF: 3376.7/33

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF: 3149.1/24

Right Out: 28.340 $\pm$ 0.423 χ^2 /NDF: 3234.5/36

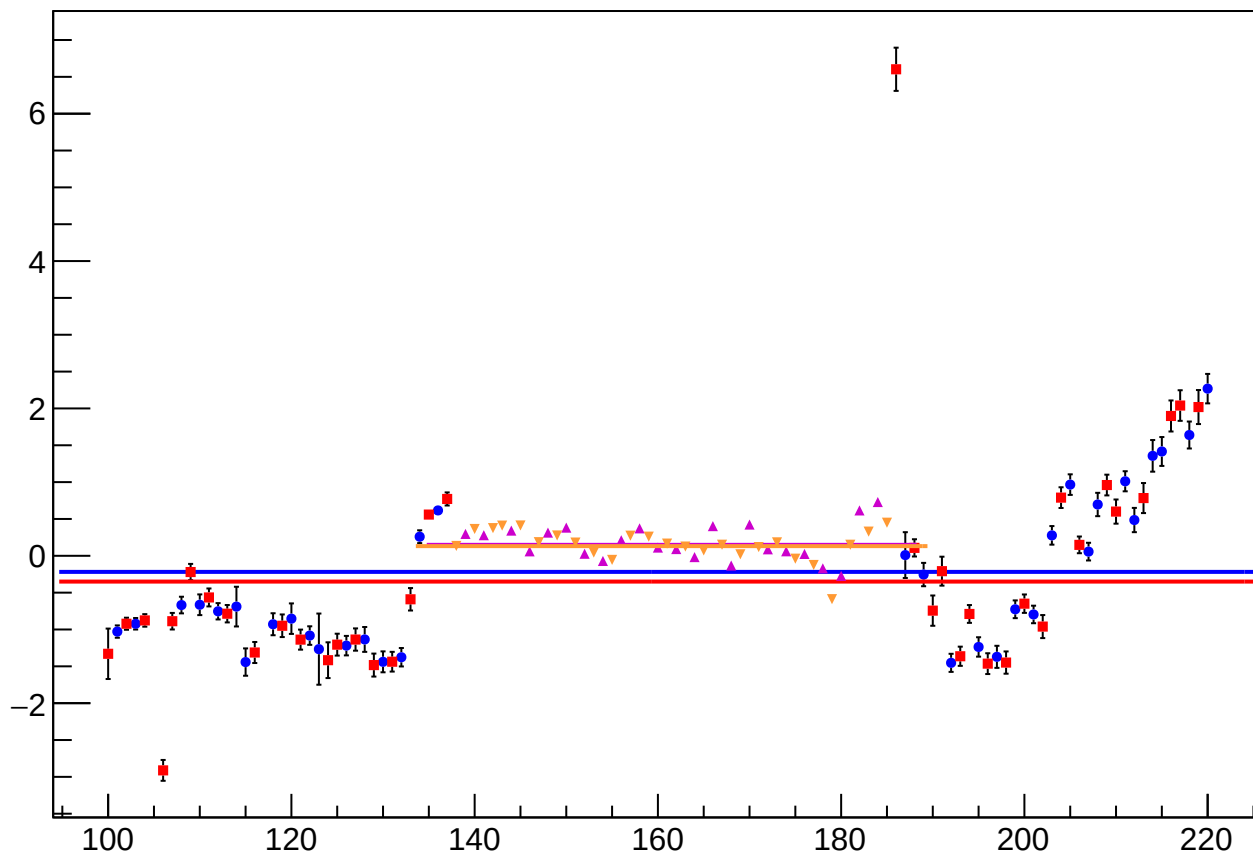
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF: 2397.3/22

+ sign 36.589 $\pm$ 0.118 χ^2 /NDF: 6975.0/58

All: 36.482 $\pm$ 0.084 χ^2 /NDF: 13000.8/118

- sign 36.370 $\pm$ 0.120 χ^2 /NDF: 6024.1/59

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.218 ± 0.021 χ^2/NDF : 1896.5/33

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.350 ± 0.021 χ^2/NDF : 2579.0/36

Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.107 ± 0.005 χ^2/NDF : 3592.9/58

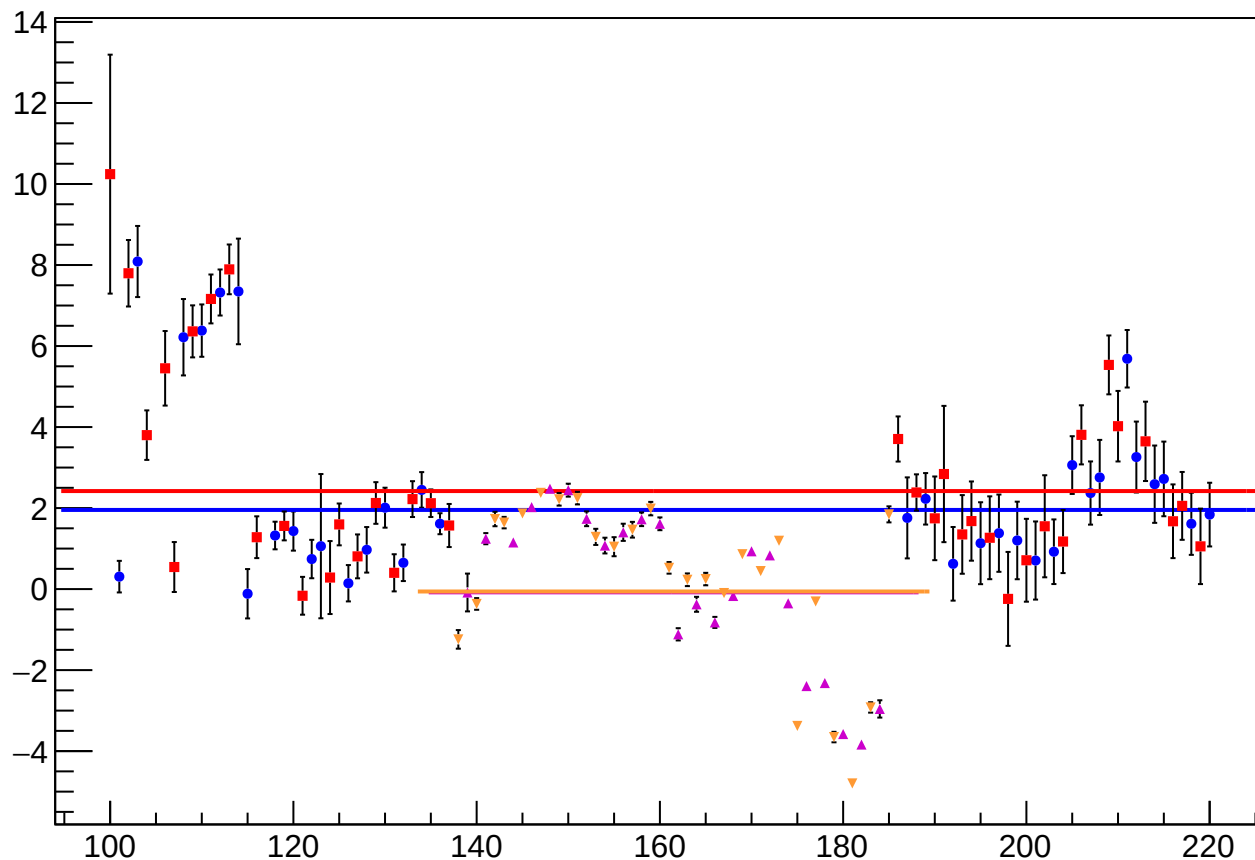
All: 0.110 ± 0.004 χ^2/NDF : 8501.5/118

- sign 0.114 ± 0.006 χ^2/NDF : 4907.7/59

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.954 $\pm$ 0.102 χ^2 /NDF: 336.0/33

Left Out: -0.059 $\pm$ 0.028 χ^2 /NDF: 6068.8/24

Right Out: 2.420 $\pm$ 0.104 χ^2 /NDF: 385.6/36

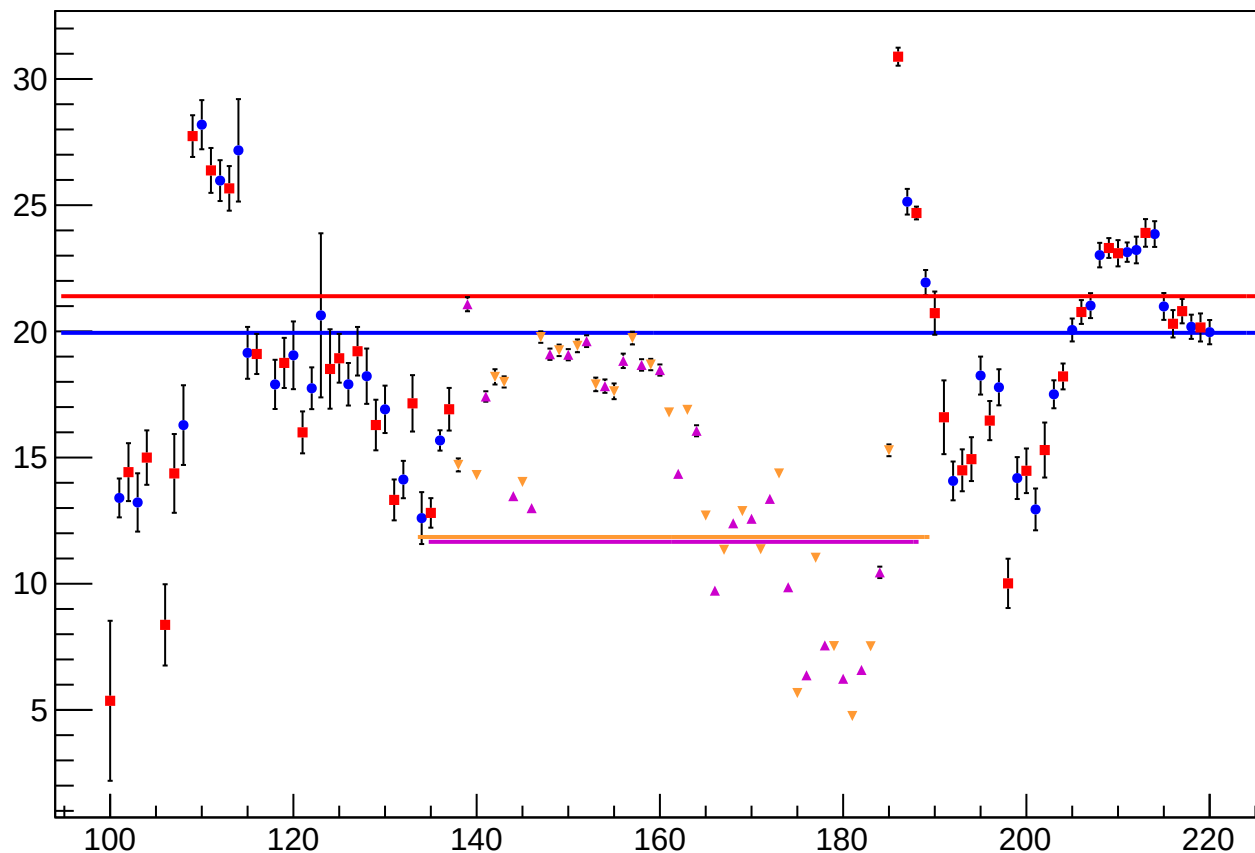
Left In: -0.080 $\pm$ 0.028 χ^2 /NDF: 4979.5/22

+ sign 0.080 $\pm$ 0.027 χ^2 /NDF: 6770.0/58

All: 0.086 $\pm$ 0.019 χ^2 /NDF: 12675.5/118

- sign 0.092 $\pm$ 0.027 χ^2 /NDF: 5905.3/59

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.941 $\pm$ 0.111 χ^2 /NDF: 1054.6/33

Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24

Right Out: 21.393 $\pm$ 0.108 χ^2 /NDF: 2138.2/36

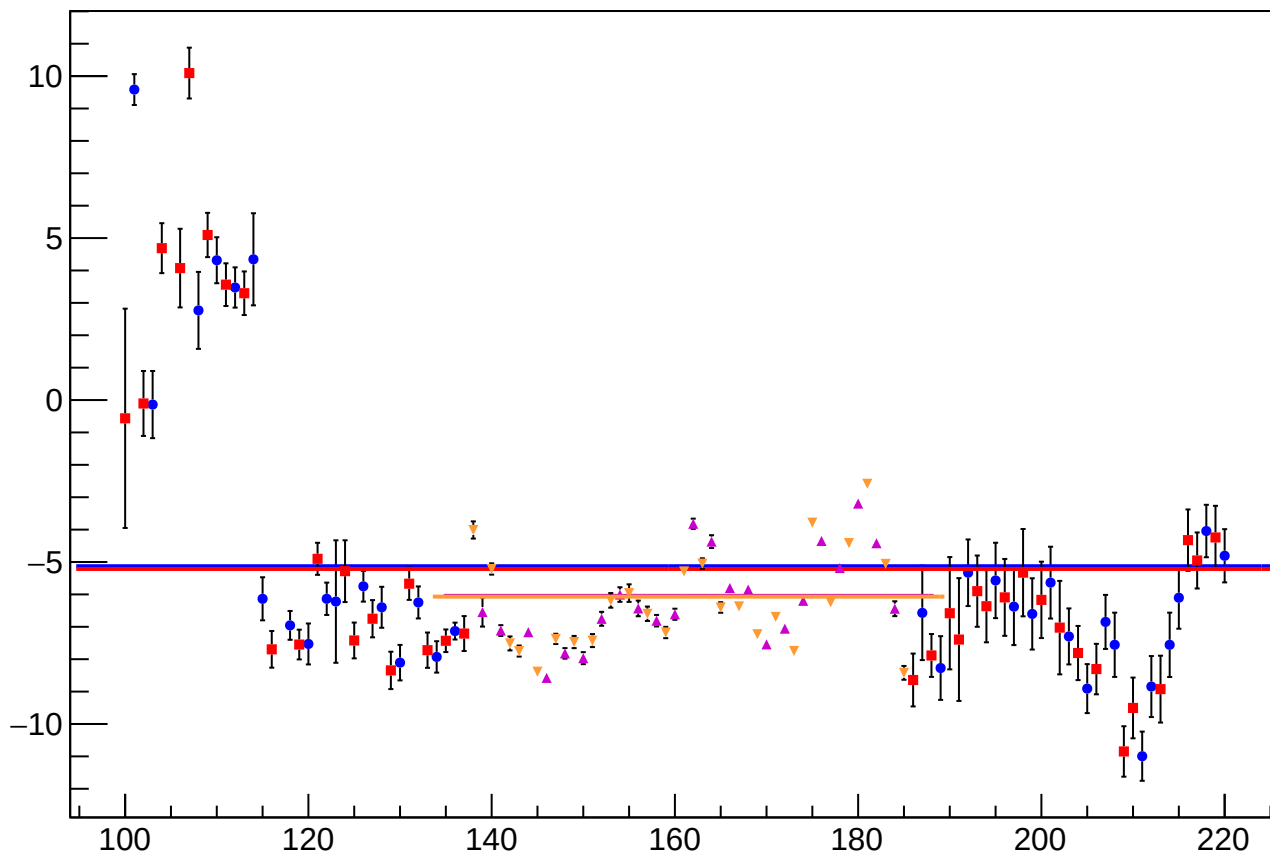
Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.572 $\pm$ 0.033 χ^2 /NDF: 25042.7/58

All: 12.586 $\pm$ 0.024 χ^2 /NDF: 51277.2/118

- sign 12.600 $\pm$ 0.033 χ^2 /NDF: 26234.1/59

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.130 ± 0.113 χ^2/NDF : 1746.5/33

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -5.214 ± 0.118 χ^2/NDF : 1524.5/36

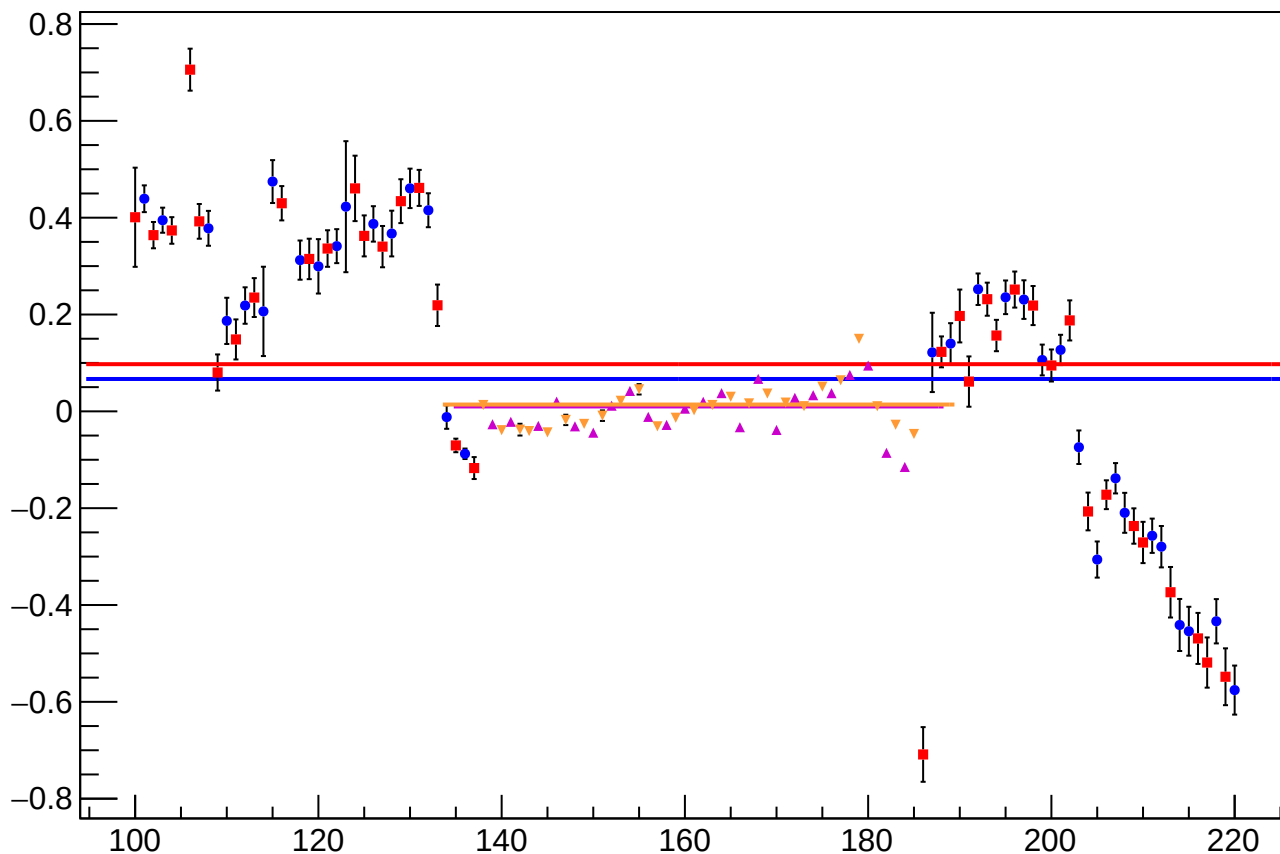
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -6.003 ± 0.030 χ^2/NDF : 4481.8/58

All: -5.996 ± 0.021 χ^2/NDF : 8346.4/118

- sign -5.989 ± 0.031 χ^2/NDF : 3864.5/59

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.067 $\pm$ 0.006 χ^2 /NDF: 2082.7/33

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF: 956.2/24

Right Out: 0.097 $\pm$ 0.006 χ^2 /NDF: 2149.9/36

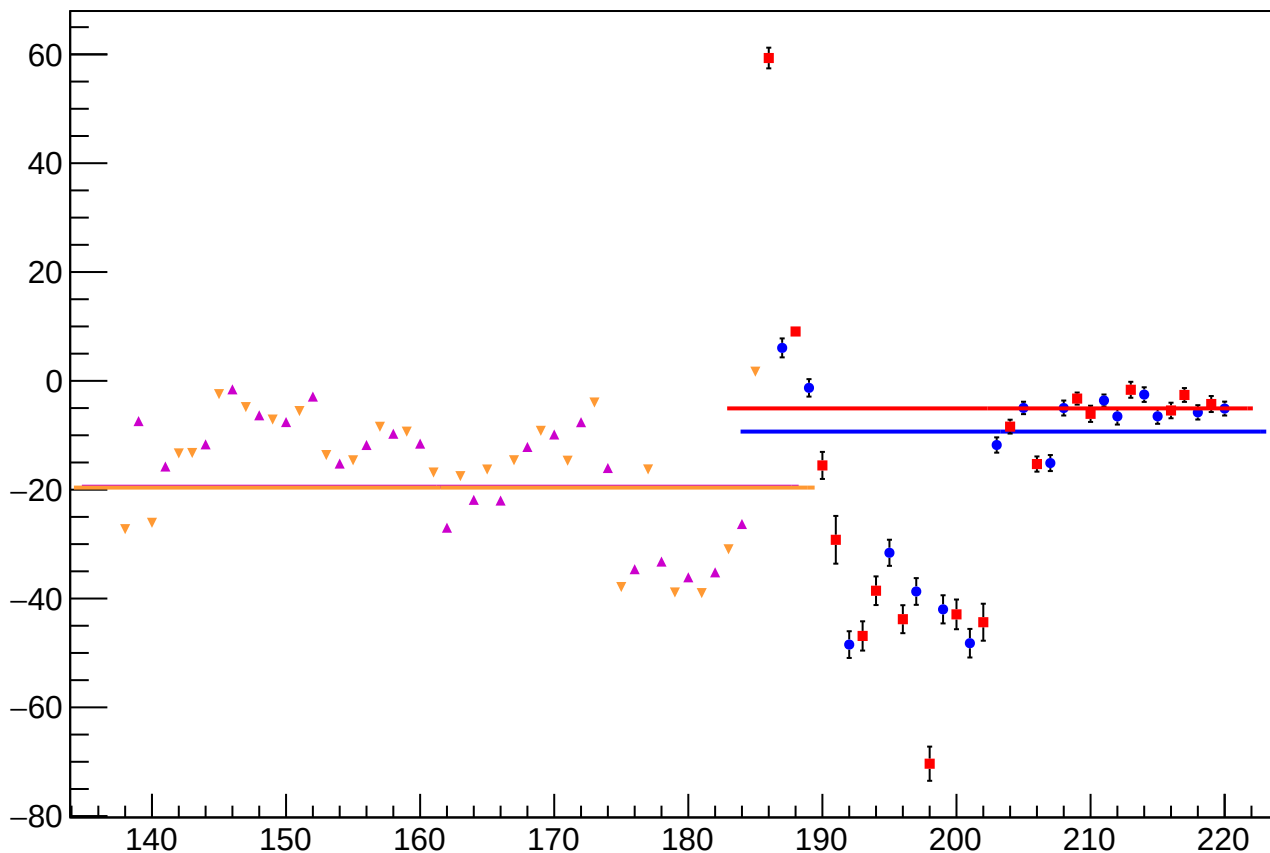
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1216.1/22

+ sign 0.017 $\pm$ 0.001 χ^2 /NDF: 3120.7/58

All: 0.016 $\pm$ 0.001 χ^2 /NDF: 6698.3/118

- sign 0.015 $\pm$ 0.001 χ^2 /NDF: 3576.5/59

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -9.320+/-0.370 χ^2/NDF : 1086.9/16

Left Out: -19.612+/-0.103 χ^2/NDF :15761.3/24

Right Out: -5.061+/-0.376 χ^2/NDF : 2935.2/17

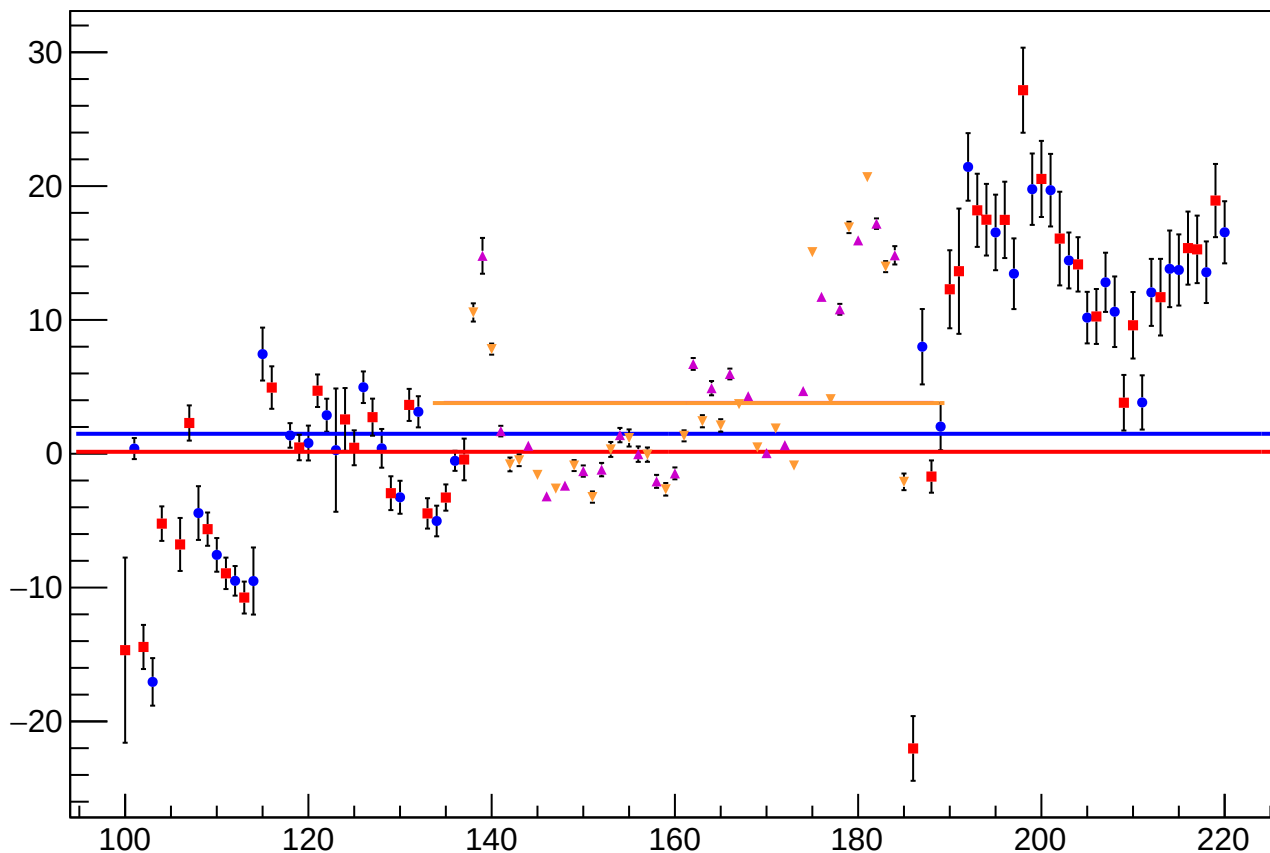
Left In: -19.450+/-0.105 χ^2/NDF :12283.1/22

+ sign -18.868+/-0.099 χ^2/NDF : 17567.2/41

All: -18.643+/-0.071 χ^2/NDF : 34153.6/82

- sign -18.409+/-0.101 χ^2/NDF : 16575.9/40

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 1.492 ± 0.261 χ^2/NDF : 799.8/33

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: 0.146 ± 0.267 χ^2/NDF : 949.8/36

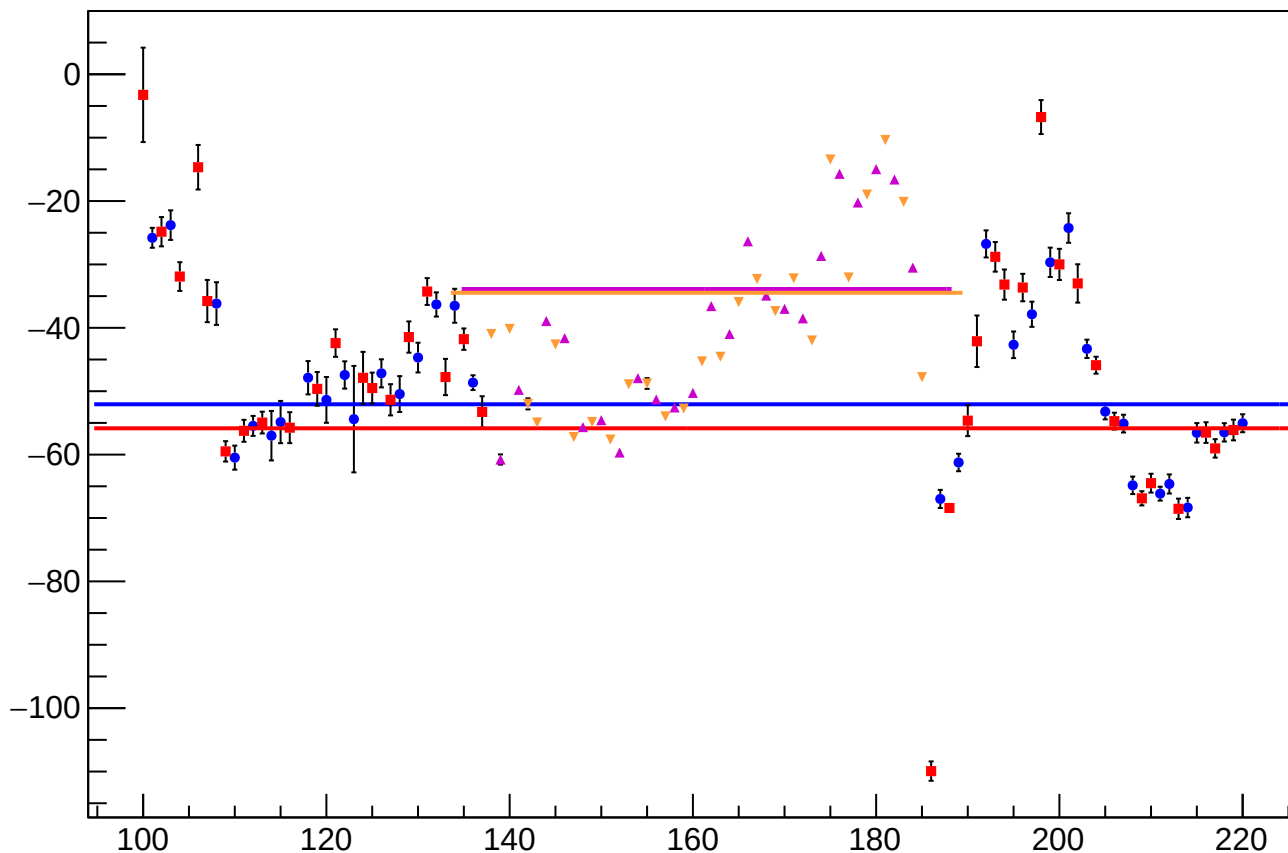
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.581 ± 0.078 χ^2/NDF : 8020.8/58

All: 3.528 ± 0.056 χ^2/NDF : 14659.3/118

- sign 3.472 ± 0.080 χ^2/NDF : 6637.5/59

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -52.060 $\pm$ 0.302 χ^2 /NDF: 1707.8/33

Left Out: -34.471 $\pm$ 0.104 χ^2 /NDF: 20196.3/24

Right Out: -55.850 $\pm$ 0.297 χ^2 /NDF: 3485.7/36

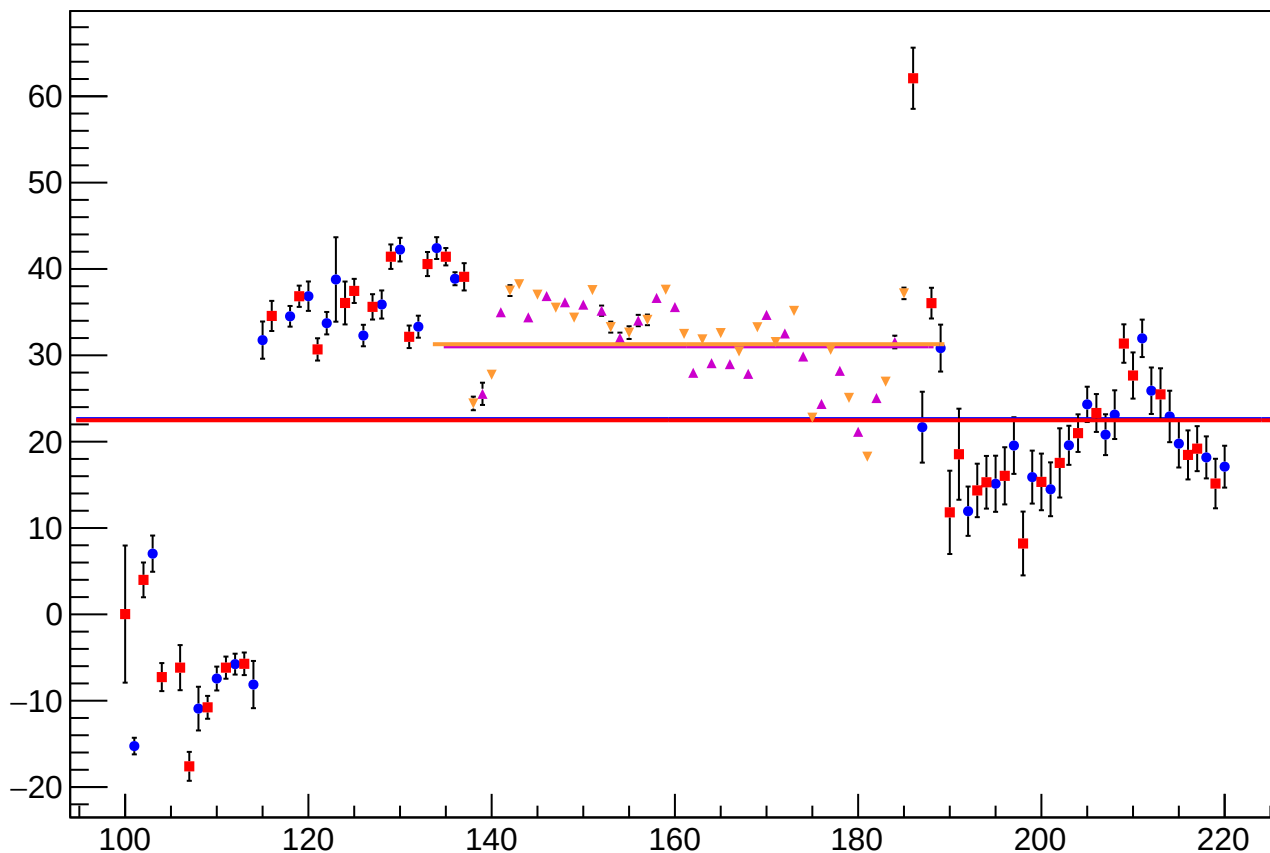
Left In: -33.875 $\pm$ 0.105 χ^2 /NDF: 17638.7/22

+ sign -36.337 $\pm$ 0.098 χ^2 /NDF: 24942.0/58

All: -36.333 $\pm$ 0.070 χ^2 /NDF: 50929.2/118

- sign -36.328 $\pm$ 0.099 χ^2 /NDF: 25987.1/59

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.613+/-0.293 χ^2/NDF : 4391.7/33

Left Out: 31.286+/-0.092 χ^2/NDF : 3345.7/24

Right Out: 22.478+/-0.303 χ^2/NDF : 4288.6/36

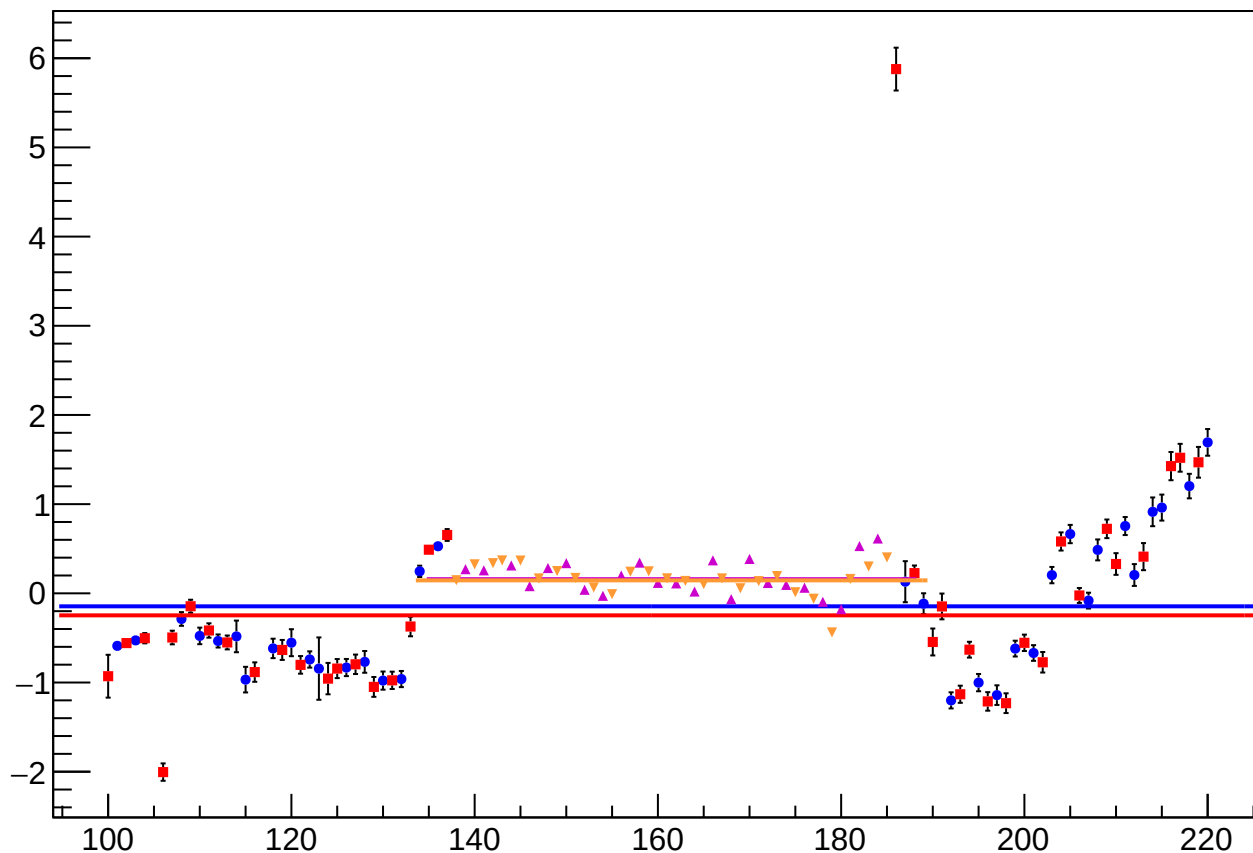
Left In: 31.039+/-0.094 χ^2/NDF : 2480.0/22

+ sign 30.502+/-0.088 χ^2/NDF : 8534.4/58

All: 30.396+/-0.063 χ^2/NDF : 16033.8/118

- sign 30.285+/-0.090 χ^2/NDF : 7496.5/59

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.146 ± 0.015 χ^2/NDF : 1902.8/33

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.247 ± 0.015 χ^2/NDF : 2718.8/36

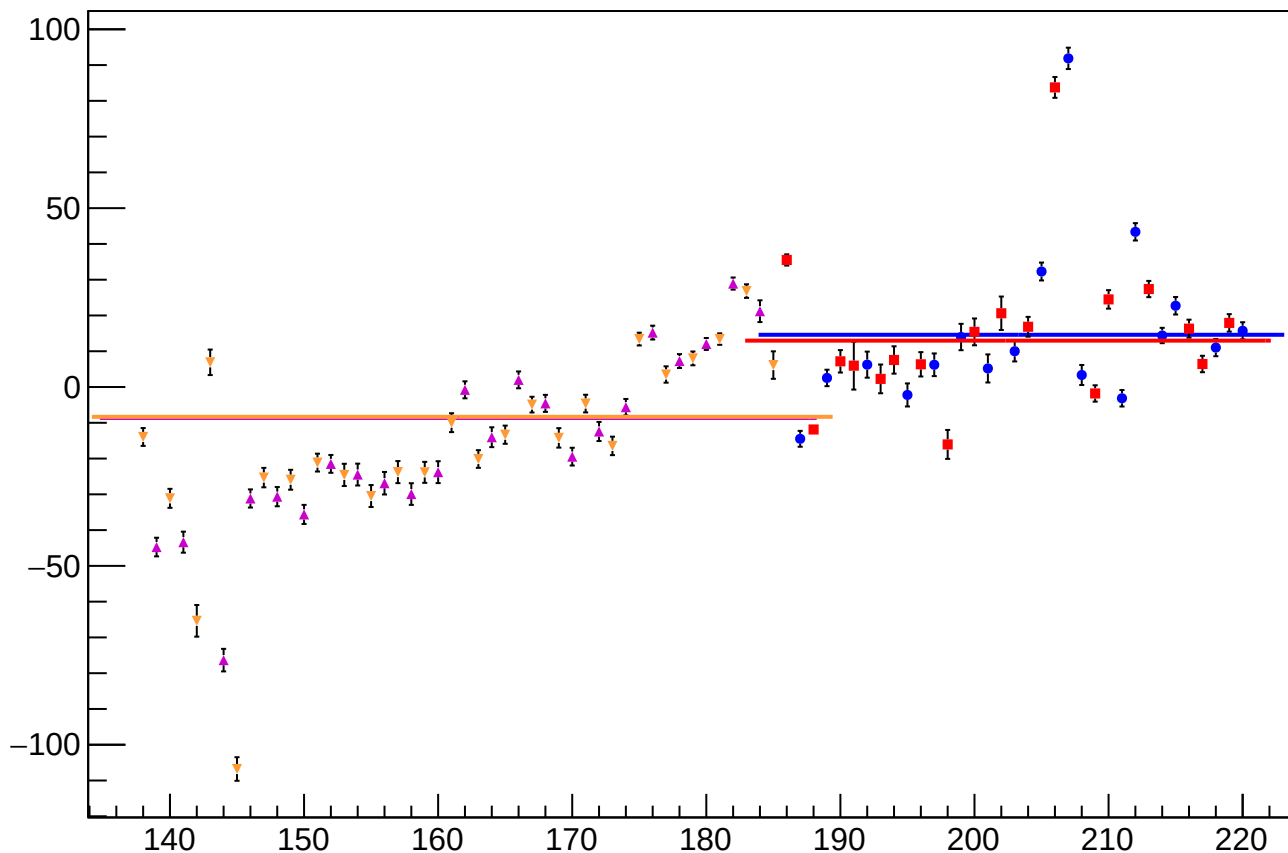
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.123 ± 0.004 χ^2/NDF : 3841.5/58

All: 0.126 ± 0.003 χ^2/NDF : 9243.2/118

- sign 0.128 ± 0.004 χ^2/NDF : 5401.0/59

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 14.602 ± 0.644 χ^2/NDF : 1195.0/16

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 12.968 ± 0.590 χ^2/NDF : 1388.6/17

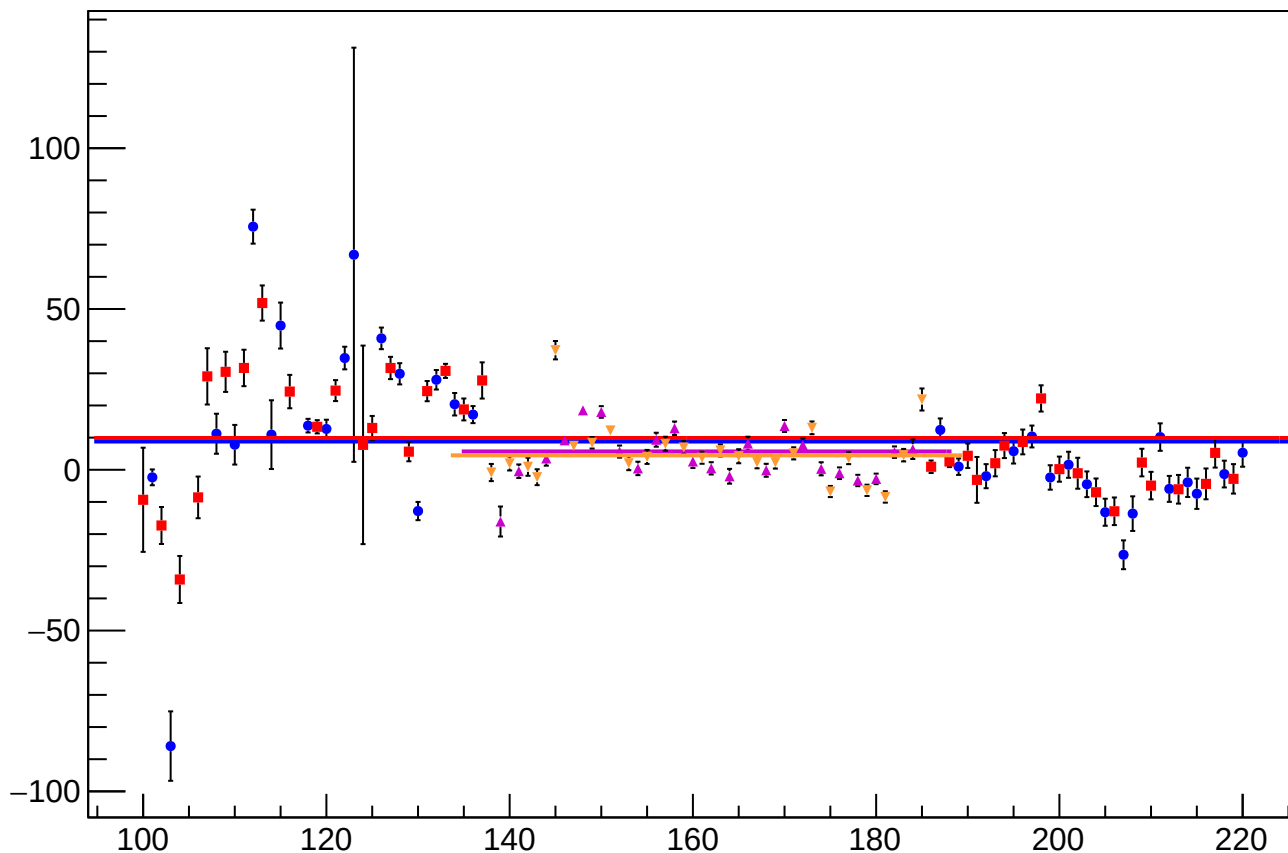
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign 0.288 ± 0.395 χ^2/NDF : 4213.3/41

All: 0.415 ± 0.275 χ^2/NDF : 8598.1/82

- sign 0.536 ± 0.385 χ^2/NDF : 4384.6/40

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 8.791 ± 0.637 χ^2/NDF : 785.0/33

Left Out: 4.484 ± 0.392 χ^2/NDF : 371.9/24

Right Out: 9.883 ± 0.609 χ^2/NDF : 517.9/36

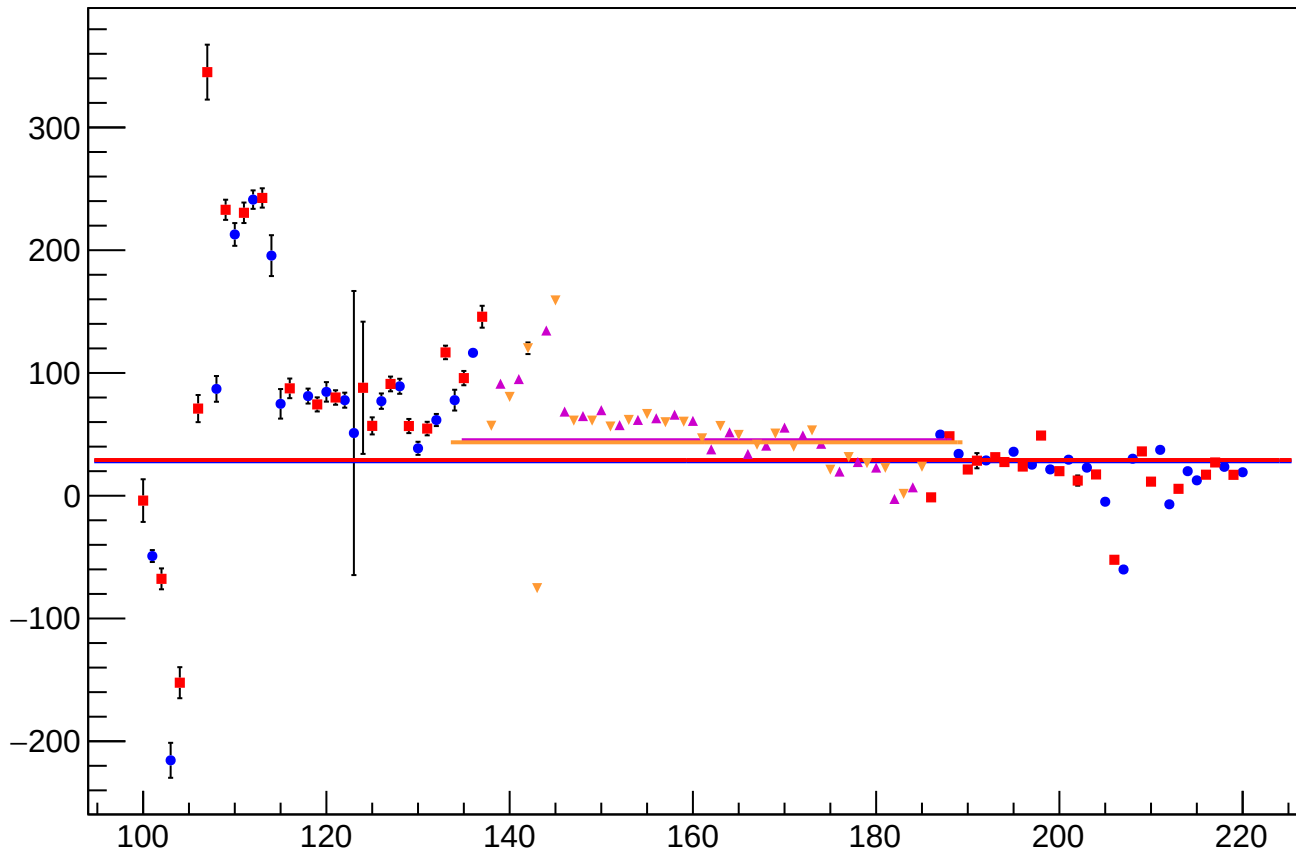
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 5.667 ± 0.334 χ^2/NDF : 1189.9/58

All: 6.319 ± 0.237 χ^2/NDF : 2072.3/118

- sign 6.983 ± 0.337 χ^2/NDF : 874.6/59

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 28.073 ± 0.583 χ^2/NDF : 4362.1/33

Left Out: 43.524 ± 0.498 χ^2/NDF : 3830.7/24

Right Out: 29.097 ± 0.514 χ^2/NDF : 5487.3/36

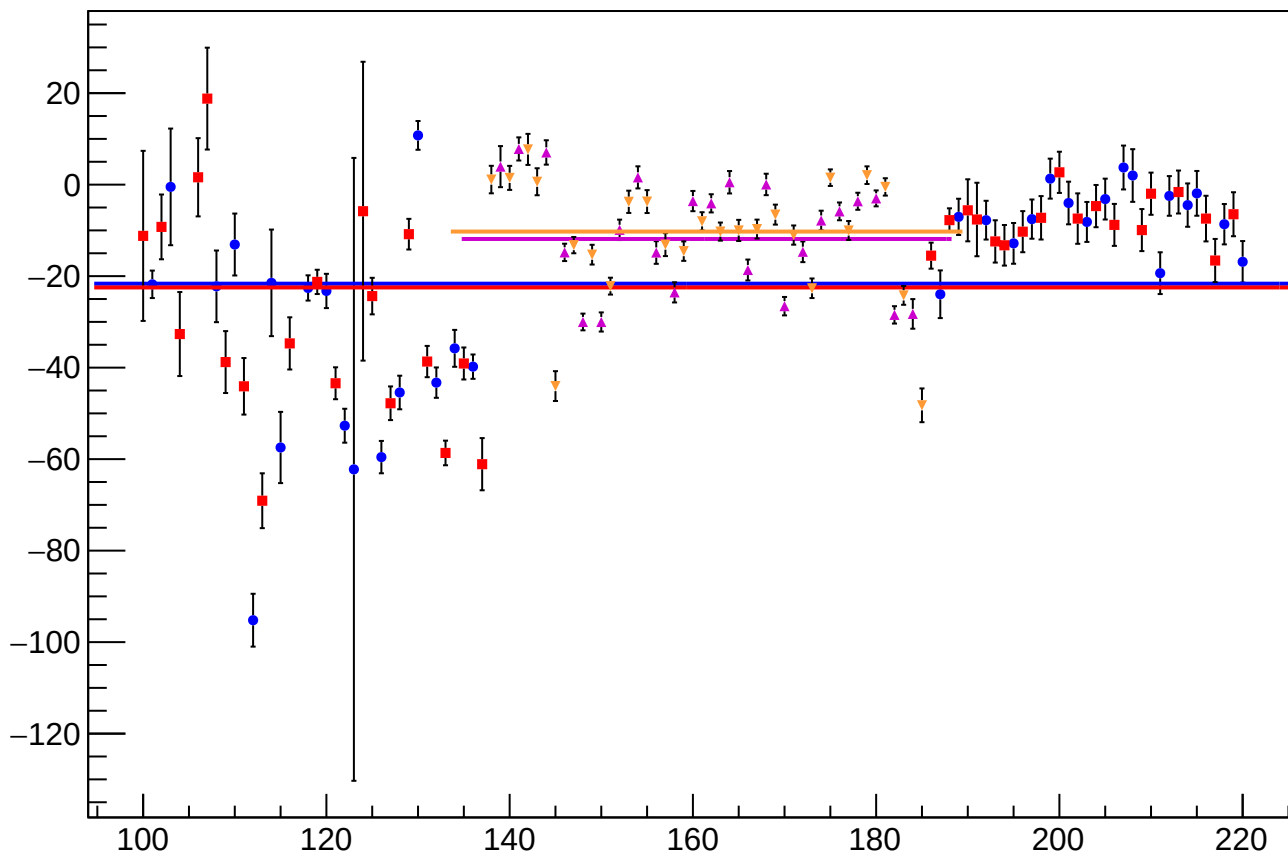
Left In: 45.211 ± 0.504 χ^2/NDF : 3048.5/22

+ sign 36.995 ± 0.379 χ^2/NDF : 8598.9/58

All: 37.161 ± 0.261 χ^2/NDF : 17635.6/118

- sign 37.312 ± 0.360 χ^2/NDF : 9036.3/59

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -21.650 ± 0.734 χ^2/NDF : 834.7/33

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -22.474 ± 0.726 χ^2/NDF : 683.6/36

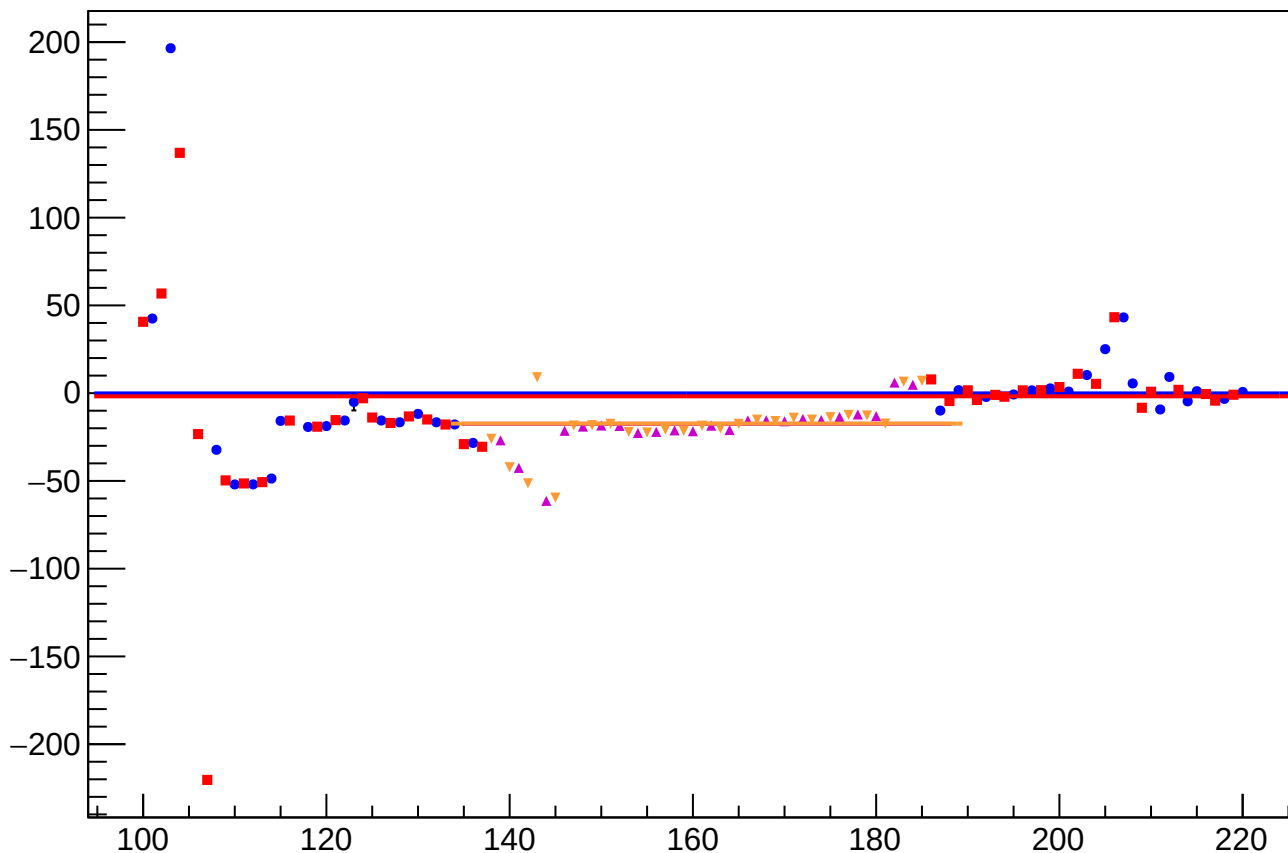
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.312 ± 0.380 χ^2/NDF : 1563.5/58

All: -14.081 ± 0.271 χ^2/NDF : 3074.4/118

- sign -14.875 ± 0.386 χ^2/NDF : 1502.6/59

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.143 ± 0.035 χ^2/NDF : 678480.5/33

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -1.804 ± 0.034 χ^2/NDF : 672422.7/36

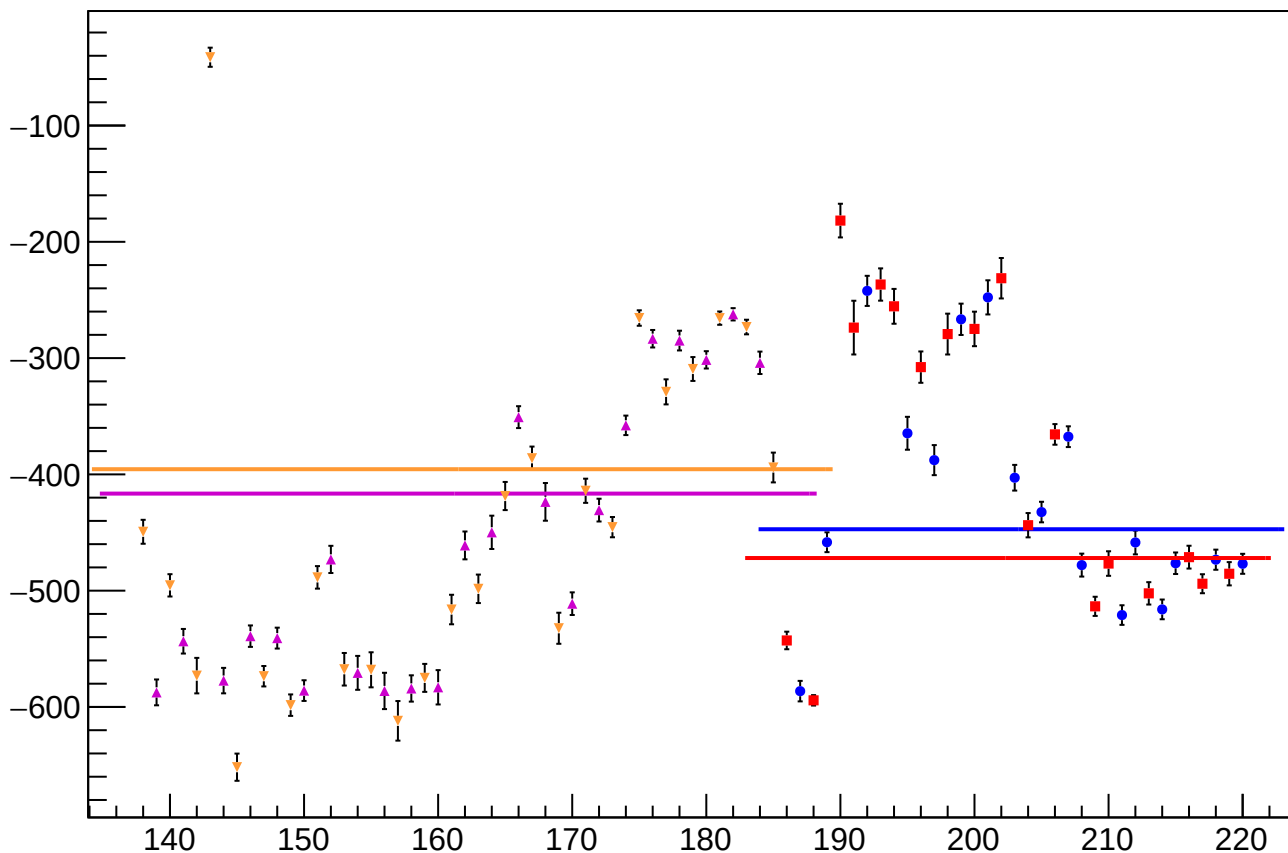
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -12.956 ± 0.018 χ^2/NDF : 1184427.5/58

All: -13.127 ± 0.012 χ^2/NDF : 2270116.1/118

- sign -13.298 ± 0.018 χ^2/NDF : 1085501.1/59

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -447.174 ± 2.400 χ^2/NDF : 1203.9/16

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -471.926 ± 2.283 χ^2/NDF : 2636.0/17

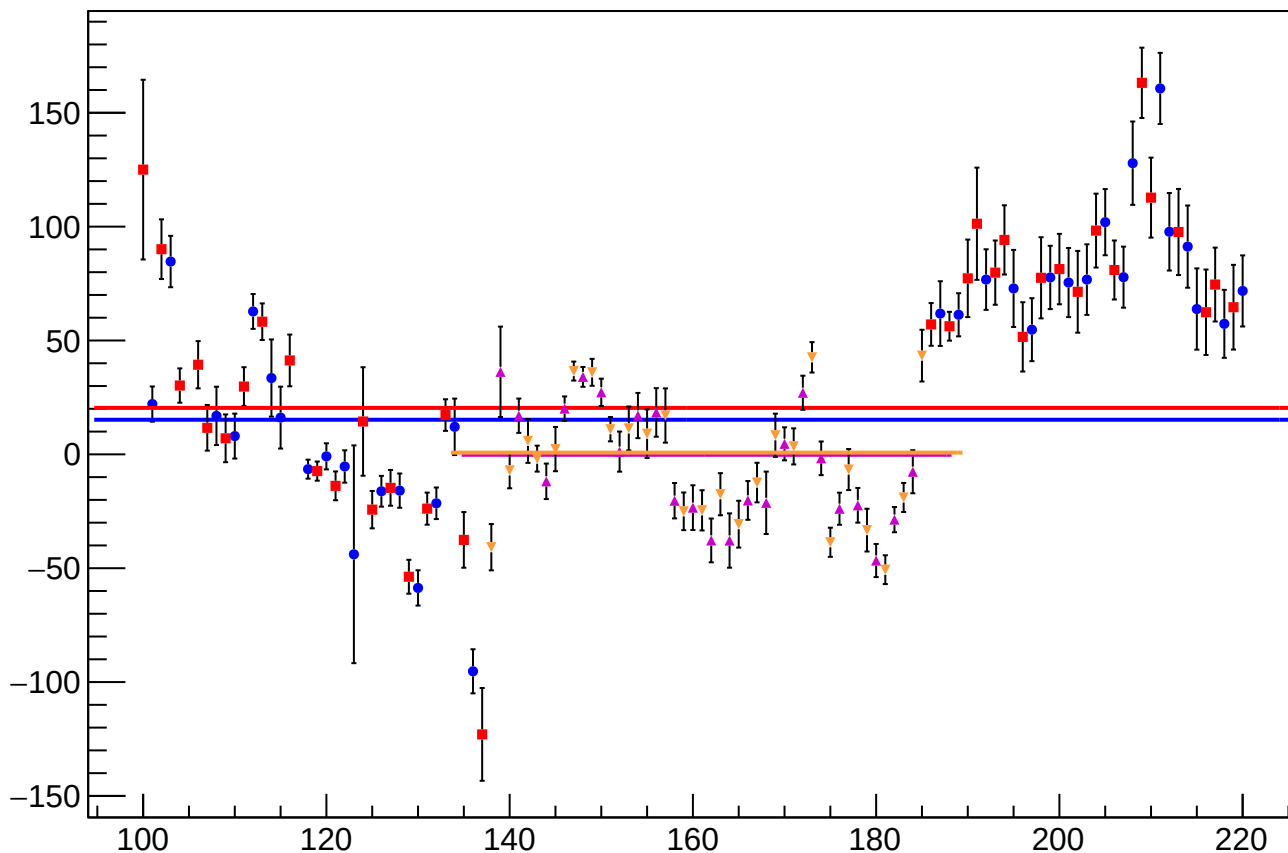
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -416.118 ± 1.515 χ^2/NDF : 7428.7/41

All: -428.452 ± 1.068 χ^2/NDF : 14446.0/82

- sign -440.645 ± 1.506 χ^2/NDF : 6885.5/40

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 15.200 ± 1.692 $\chi^2/\text{NDF}: 791.0/33$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 20.400 ± 1.650 $\chi^2/\text{NDF}: 748.2/36$

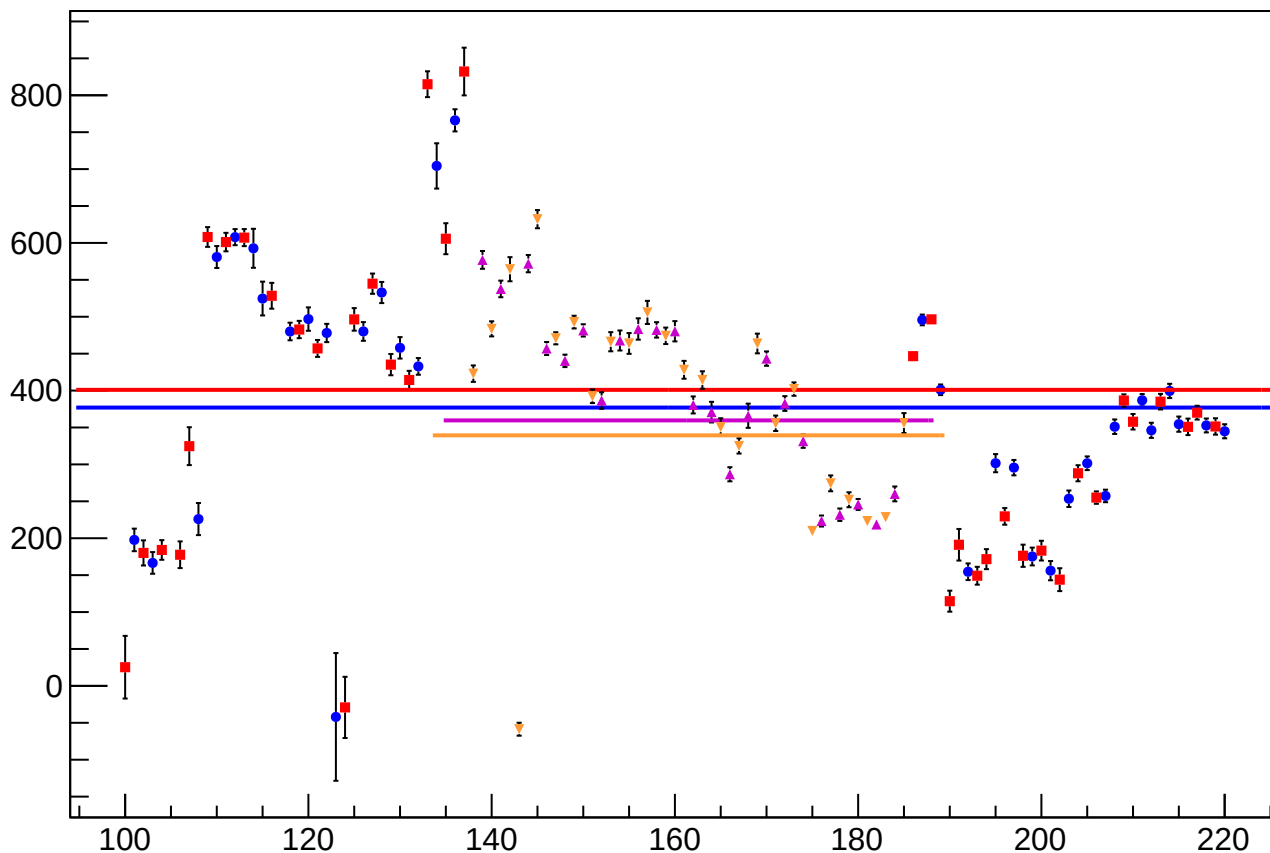
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 7.130 ± 1.124 $\chi^2/\text{NDF}: 1181.8/58$

All: 8.357 ± 0.800 $\chi^2/\text{NDF}: 2274.8/118$

- sign 9.620 ± 1.139 $\chi^2/\text{NDF}: 1090.6/59$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 376.985 ± 1.966 $\chi^2/\text{NDF}: 4154.7/33$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 400.980 ± 1.802 $\chi^2/\text{NDF}: 6165.0/36$

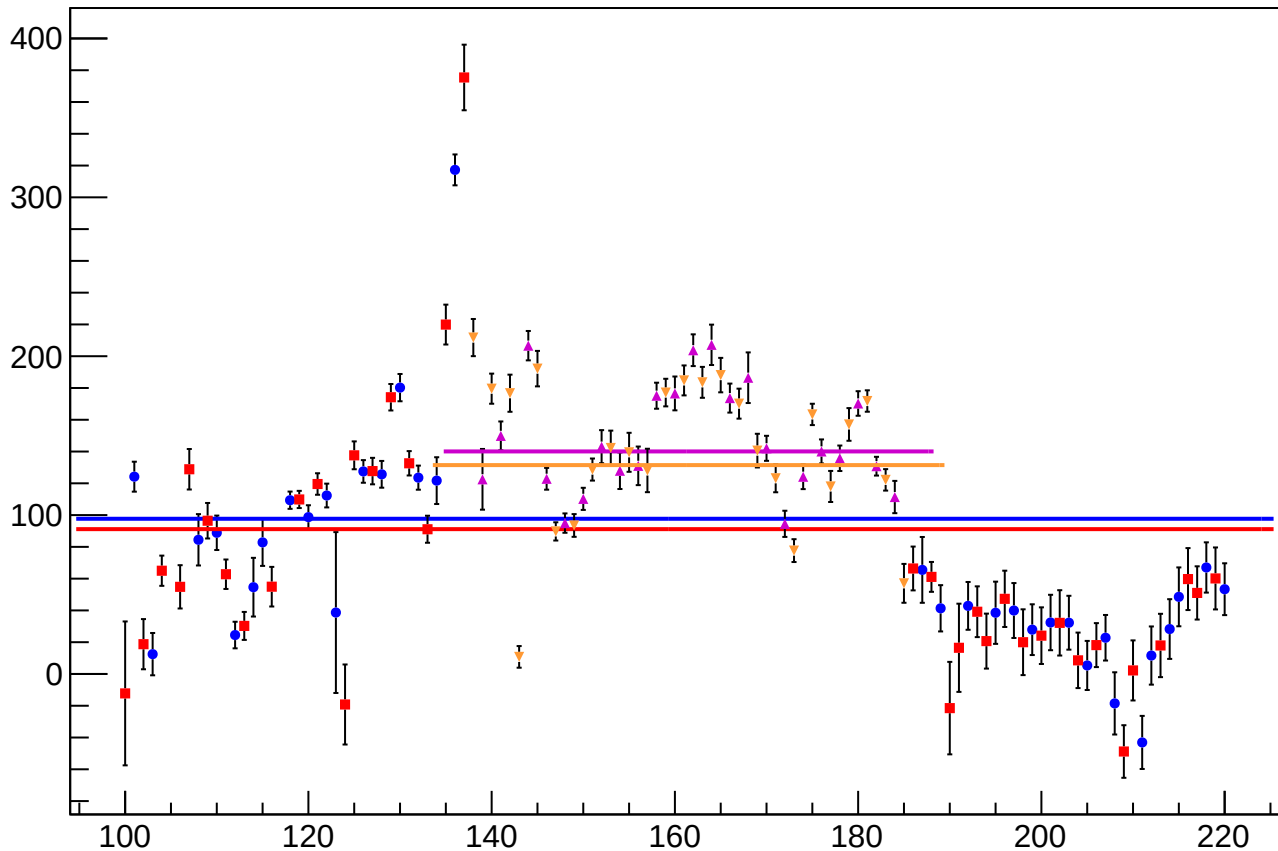
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 358.139 ± 1.389 $\chi^2/\text{NDF}: 9840.7/58$

All: 370.743 ± 0.964 $\chi^2/\text{NDF}: 19799.0/118$

- sign 382.468 ± 1.340 $\chi^2/\text{NDF}: 9799.3/59$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 97.687 ± 1.958 $\chi^2/\text{NDF}: 1110.3/33$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 91.156 ± 1.930 $\chi^2/\text{NDF}: 906.3/36$

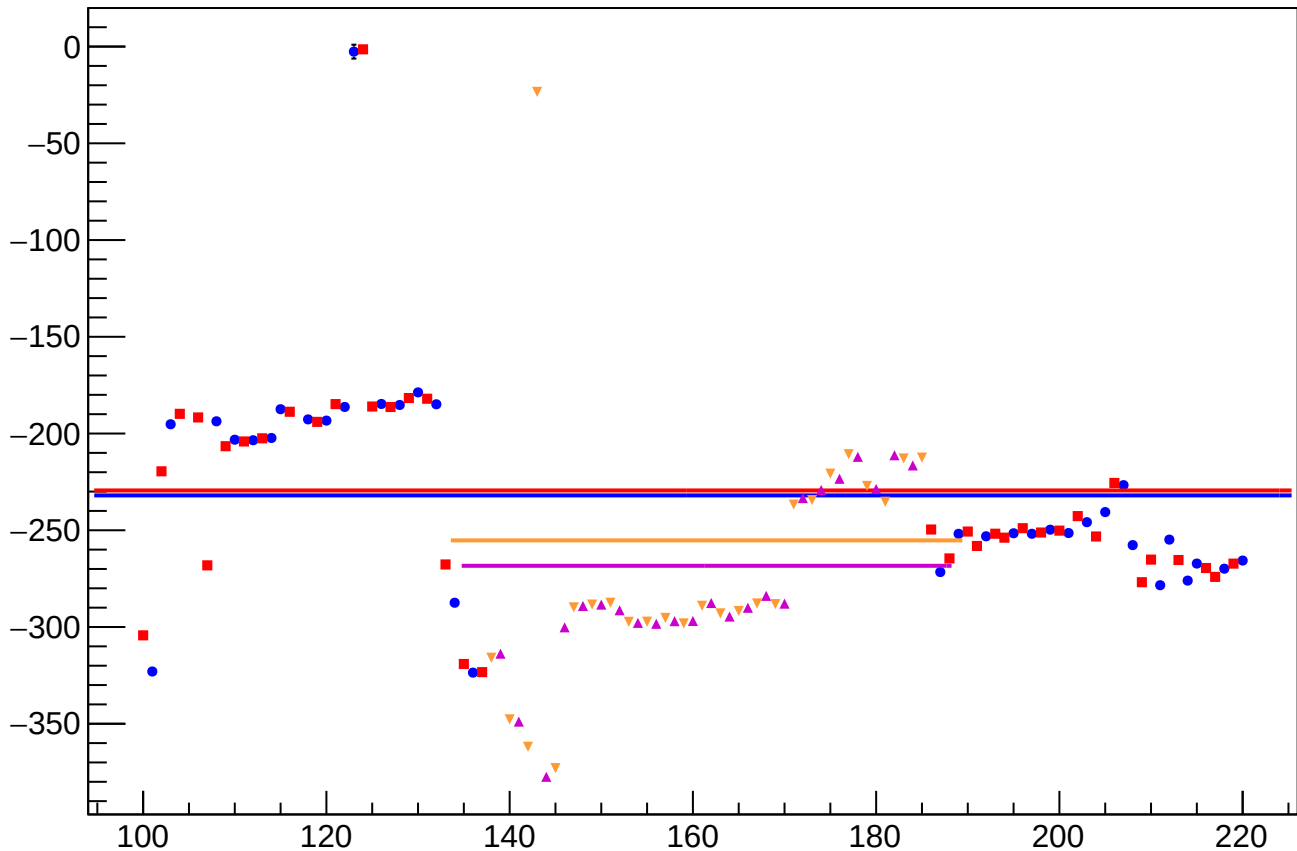
Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 116.679 ± 1.295 $\chi^2/\text{NDF}: 2087.0/58$

All: 117.025 ± 0.923 $\chi^2/\text{NDF}: 3654.3/118$

- sign 117.380 ± 1.314 $\chi^2/\text{NDF}: 1567.2/59$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -231.983 ± 0.104 $\chi^2/\text{NDF}: 179611.2/33$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -229.415 ± 0.100 $\chi^2/\text{NDF}: 161045.5/36$

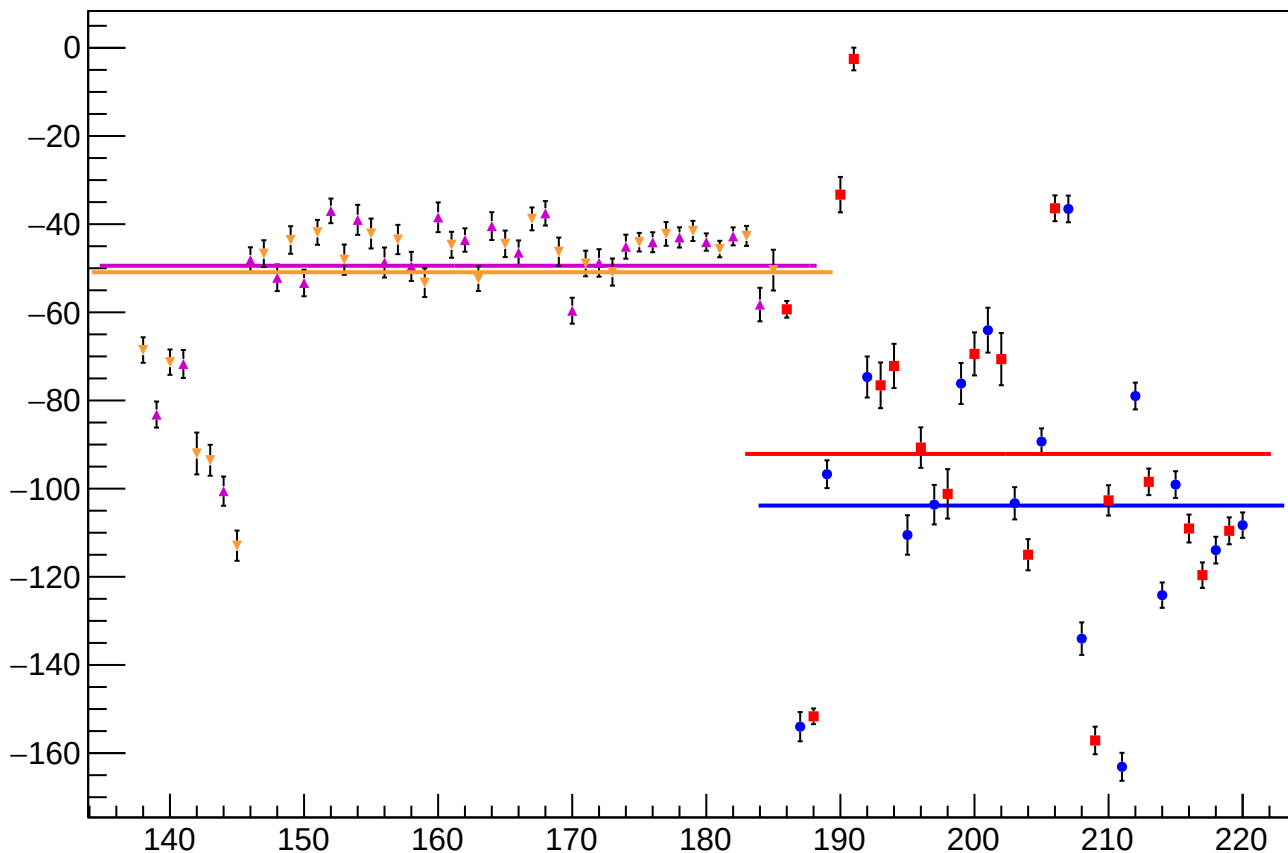
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -246.328 ± 0.064 $\chi^2/\text{NDF}: 938443.3/58$

All: -249.341 ± 0.045 $\chi^2/\text{NDF}: 1455537.9/11$

- sign -252.333 ± 0.064 $\chi^2/\text{NDF}: 512729.7/59$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -103.838 ± 0.829 χ^2/NDF : 1437.2/16

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -92.126 ± 0.734 χ^2/NDF : 3914.8/17

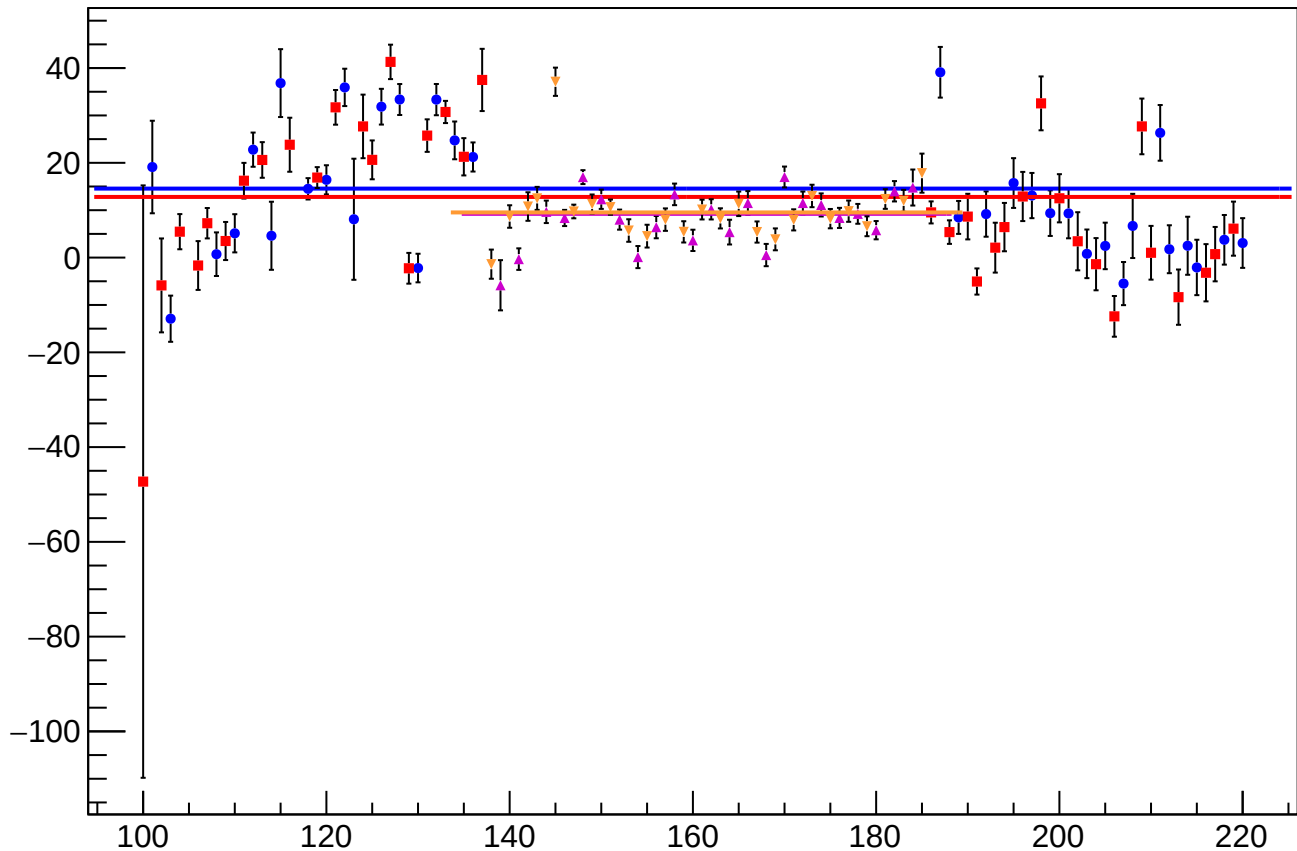
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -68.017 ± 0.471 χ^2/NDF : 4961.0/41

All: -66.969 ± 0.328 χ^2/NDF : 11501.5/82

- sign -65.984 ± 0.457 χ^2/NDF : 6530.9/40

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 14.561 $\pm$ 0.735 χ^2 /NDF: 315.1/33

Left Out: 9.530 $\pm$ 0.446 χ^2 /NDF: 134.4/24

Right Out: 12.801 $\pm$ 0.655 χ^2 /NDF: 398.0/36

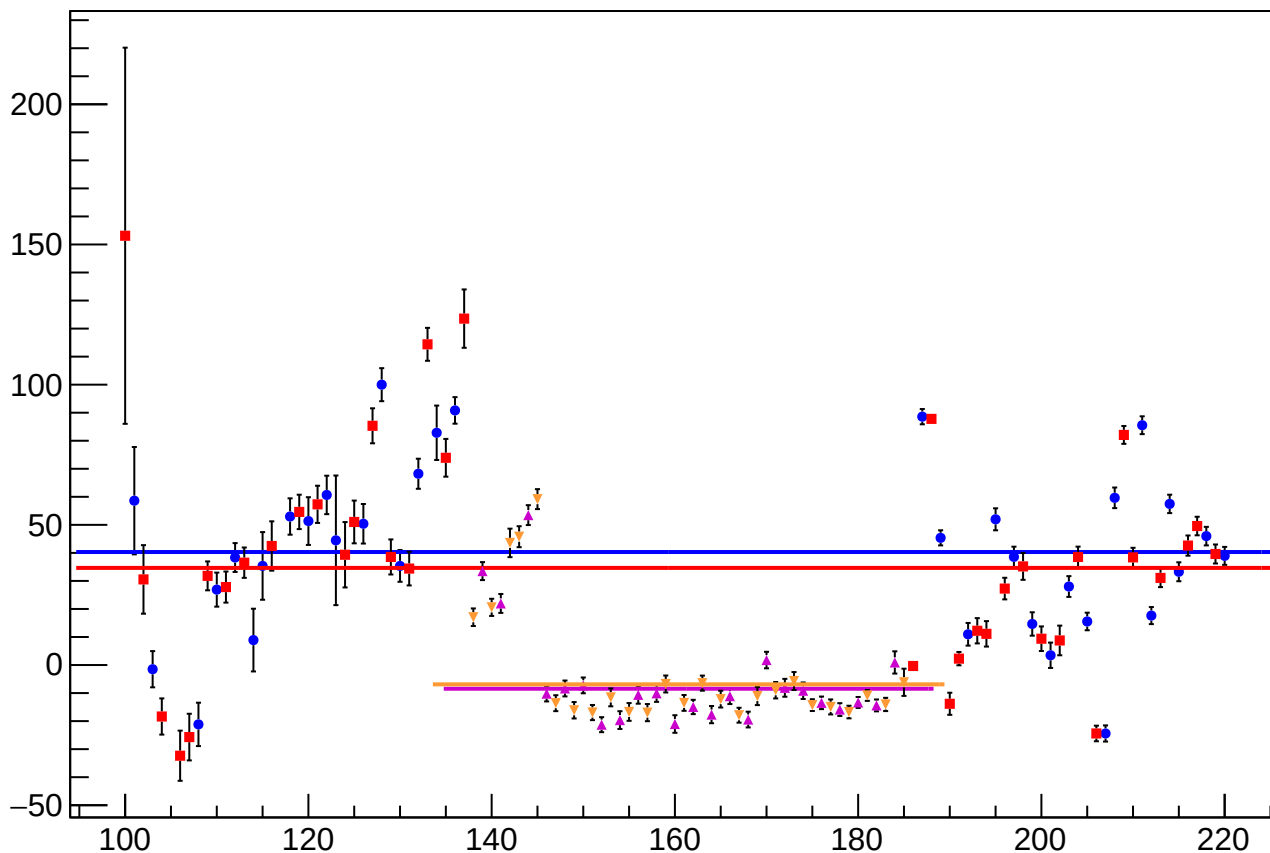
Left In: 9.231 $\pm$ 0.462 χ^2 /NDF: 124.0/22

+ sign 10.884 $\pm$ 0.381 χ^2 /NDF: 483.7/58

All: 10.648 $\pm$ 0.268 χ^2 /NDF: 1026.3/118

- sign 10.417 $\pm$ 0.377 χ^2 /NDF: 541.8/59

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 40.309+/-0.729 χ^2/NDF : 1780.9/33

Left Out: -6.888+/-0.571 χ^2/NDF : 914.2/24

Right Out: 34.645+/-0.622 χ^2/NDF : 3626.6/36

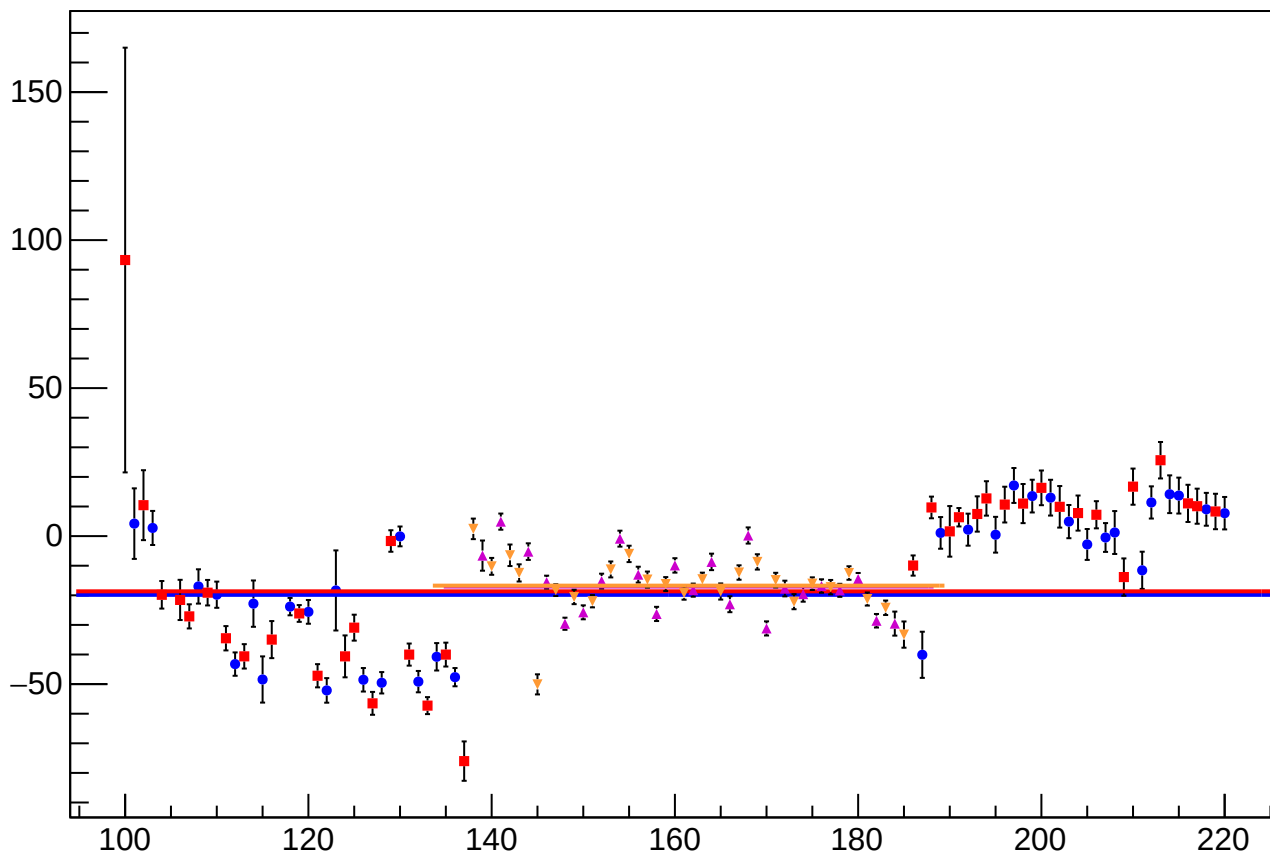
Left In: -8.451+/-0.580 χ^2/NDF : 688.9/22

+ sign 11.051+/-0.450 χ^2/NDF : 5292.2/58

All: 11.333+/-0.309 χ^2/NDF : 12176.8/118

- sign 11.584+/-0.424 χ^2/NDF : 6883.9/59

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -19.841 ± 0.838 χ^2/NDF : 811.2/33

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -18.654 ± 0.770 χ^2/NDF : 1058.8/36

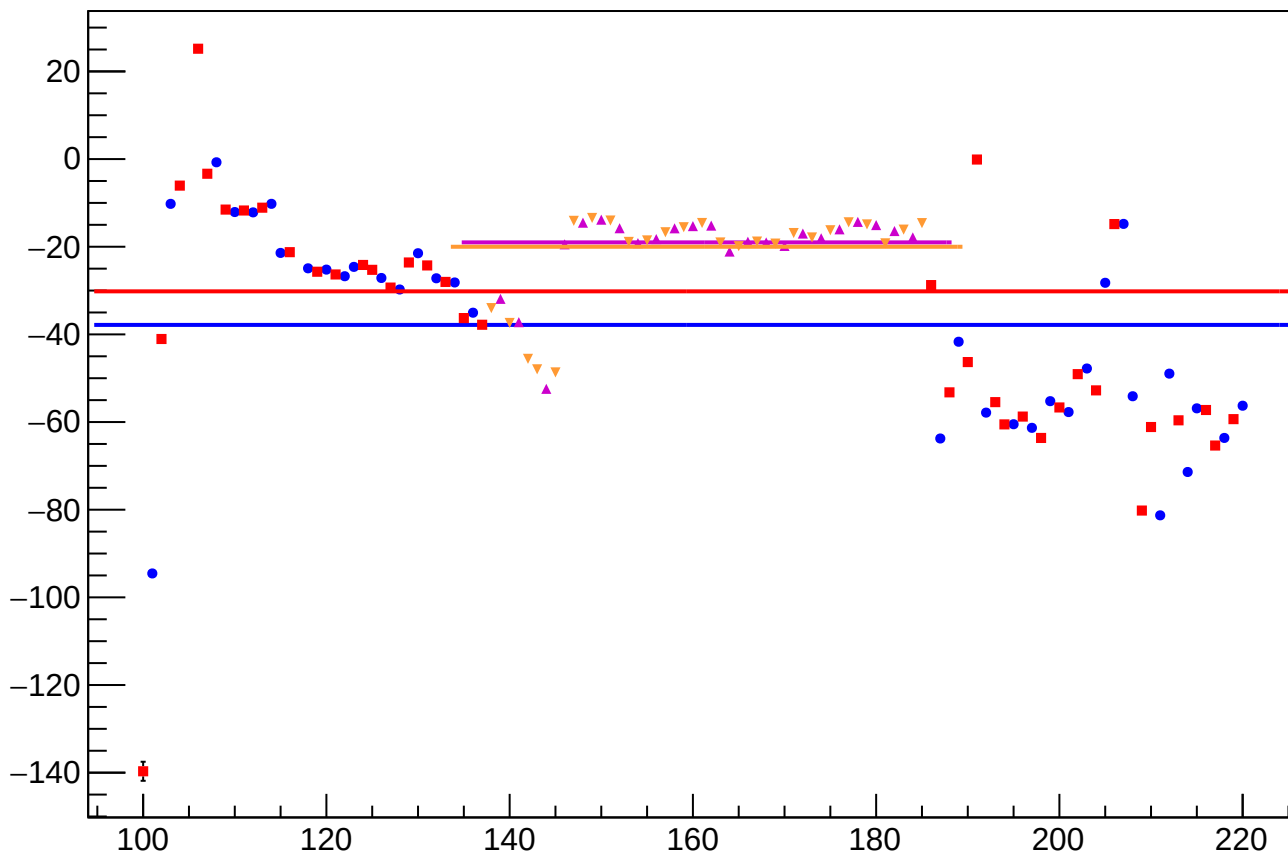
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -17.565 ± 0.434 χ^2/NDF : 1044.5/58

All: -17.550 ± 0.306 χ^2/NDF : 2434.0/118

- sign -17.536 ± 0.432 χ^2/NDF : 1389.5/59

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -37.837 ± 0.040 $\chi^2/\text{NDF}: 268889.6/33$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -30.179 ± 0.036 $\chi^2/\text{NDF}: 492513.6/36$

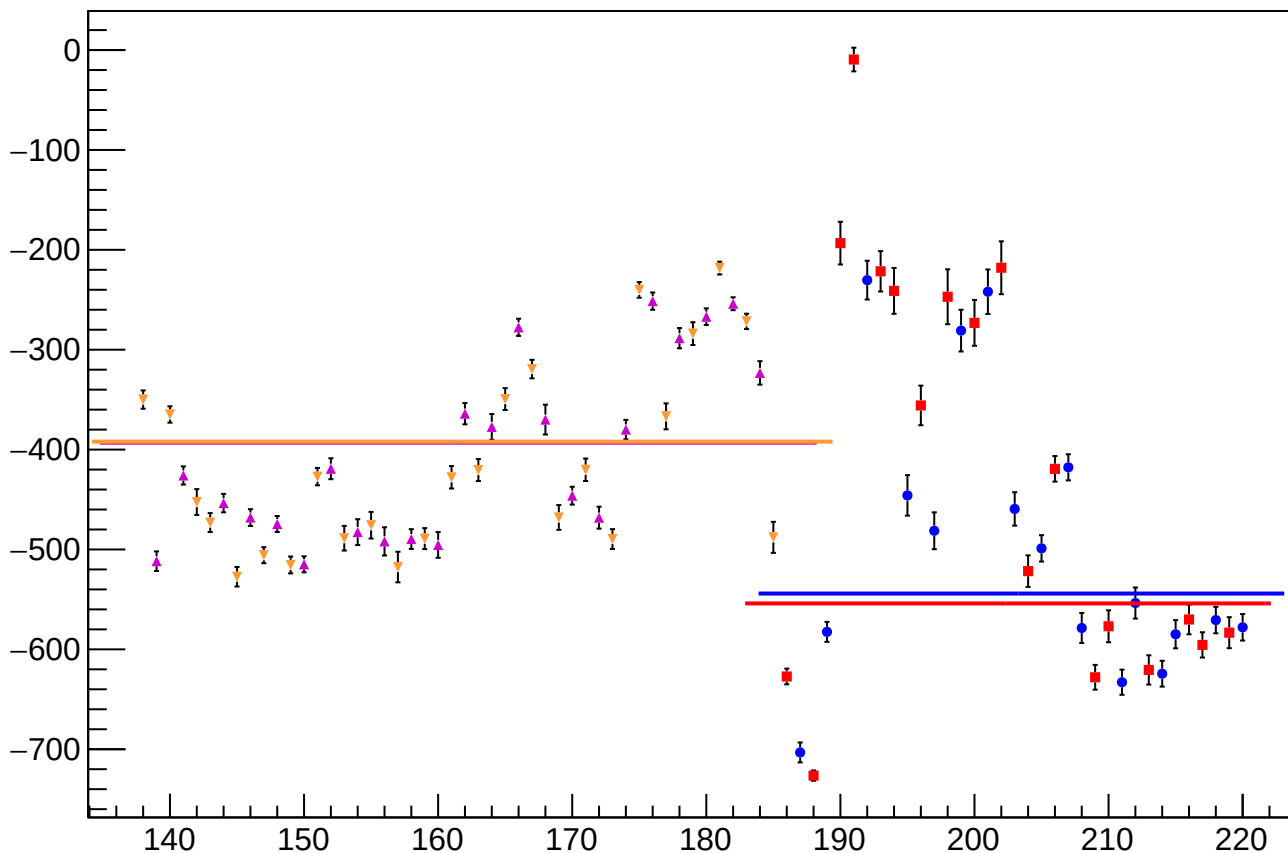
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -24.511 ± 0.020 $\chi^2/\text{NDF}: 562527.1/58$

All: -23.450 ± 0.014 $\chi^2/\text{NDF}: 1219632.2/118$

- sign -22.432 ± 0.020 $\chi^2/\text{NDF}: 651662.9/59$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -544.133 $\pm$ 3.434 χ^2 /NDF: 1151.7/16

Left Out: -392.054 $\pm$ 1.967 χ^2 /NDF: 2717.2/24

Right Out: -554.037 $\pm$ 2.956 χ^2 /NDF: 4769.8/17

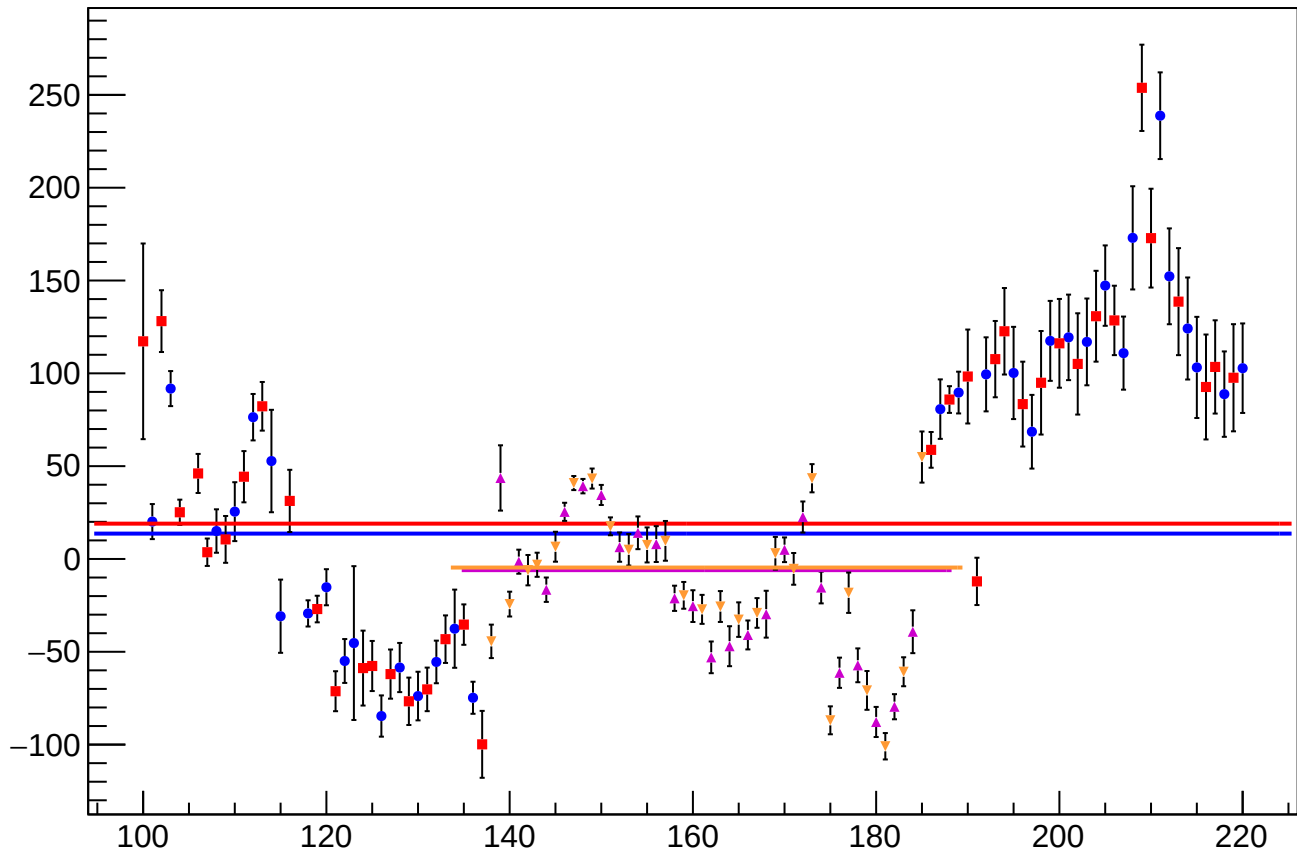
Left In: -393.113 $\pm$ 2.006 χ^2 /NDF: 2253.3/22

+ sign -429.608 $\pm$ 1.707 χ^2 /NDF: 5345.6/41

All: -436.924 $\pm$ 1.190 χ^2 /NDF: 14434.1/82

- sign -443.843 $\pm$ 1.660 χ^2 /NDF: 9052.8/40

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 13.663 ± 2.460 $\chi^2/\text{NDF}: 916.6/33$

Left Out: -4.624 ± 1.462 $\chi^2/\text{NDF}: 772.9/24$

Right Out: 19.028 ± 2.193 $\chi^2/\text{NDF}: 920.5/36$

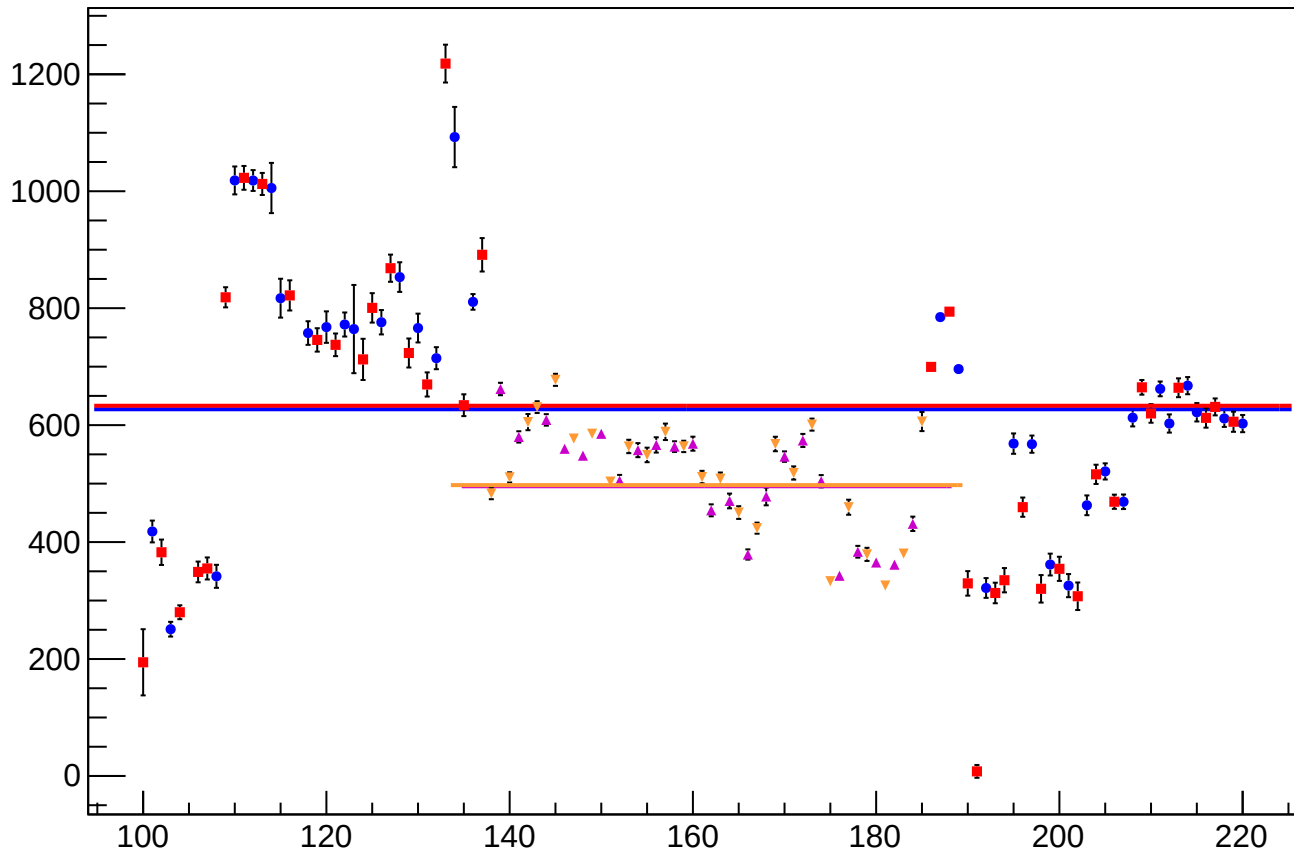
Left In: -6.019 ± 1.516 $\chi^2/\text{NDF}: 654.1/22$

+ sign 0.149 ± 1.257 $\chi^2/\text{NDF}: 1730.3/58$

All: 1.124 ± 0.885 $\chi^2/\text{NDF}: 3394.3/118$

- sign 2.082 ± 1.247 $\chi^2/\text{NDF}: 1662.8/59$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 627.123 $\pm$ 2.740 χ^2 /NDF: 4234.5/33

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF: 2614.6/24

Right Out: 633.154 $\pm$ 2.298 χ^2 /NDF: 9636.5/36

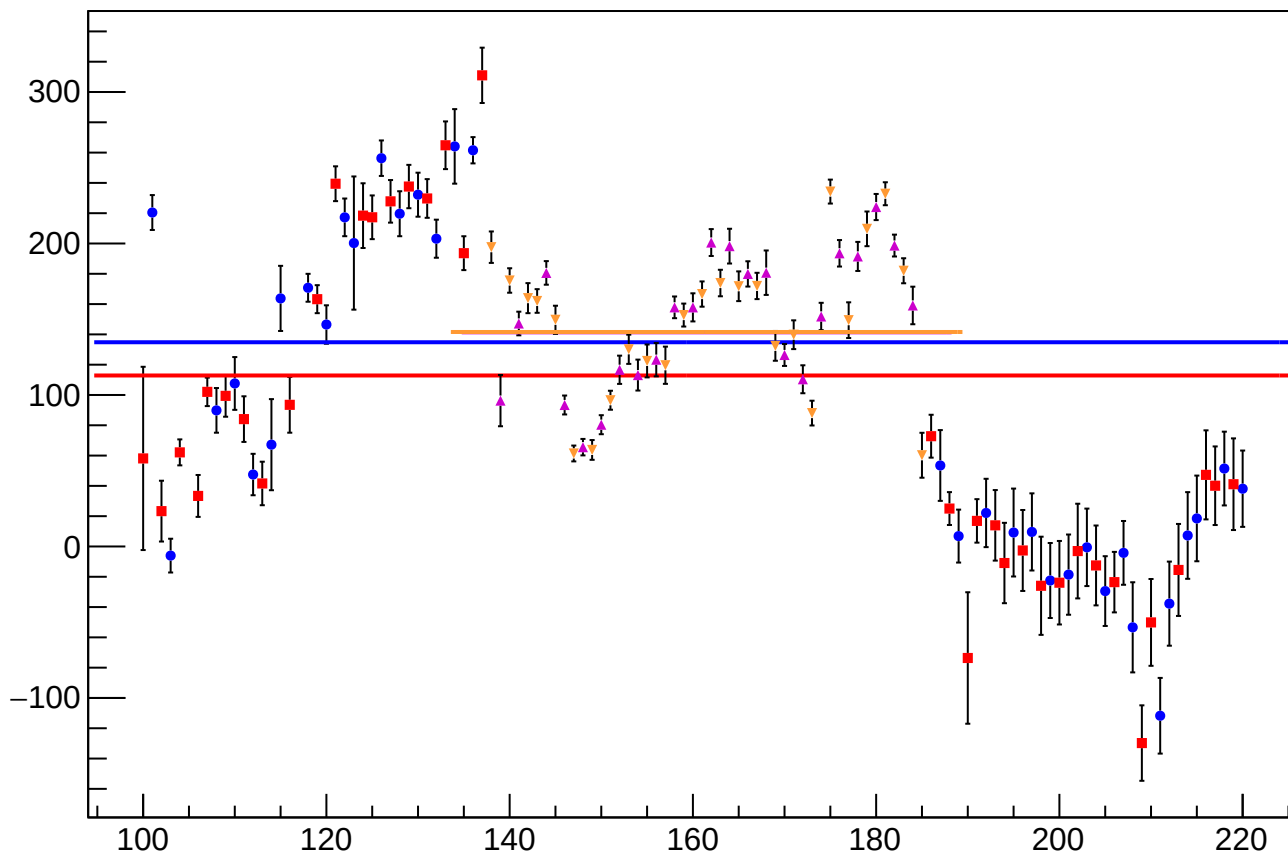
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 541.473 $\pm$ 1.597 χ^2 /NDF: 8329.3/58

All: 548.391 $\pm$ 1.095 χ^2 /NDF: 22304.9/118

- sign 554.535 $\pm$ 1.505 χ^2 /NDF: 13940.2/59

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 134.810 ± 2.849 $\chi^2/\text{NDF}: 1362.1/33$

Left Out: 141.588 ± 1.698 $\chi^2/\text{NDF}: 959.6/24$

Right Out: 112.871 ± 2.615 $\chi^2/\text{NDF}: 1322.9/36$

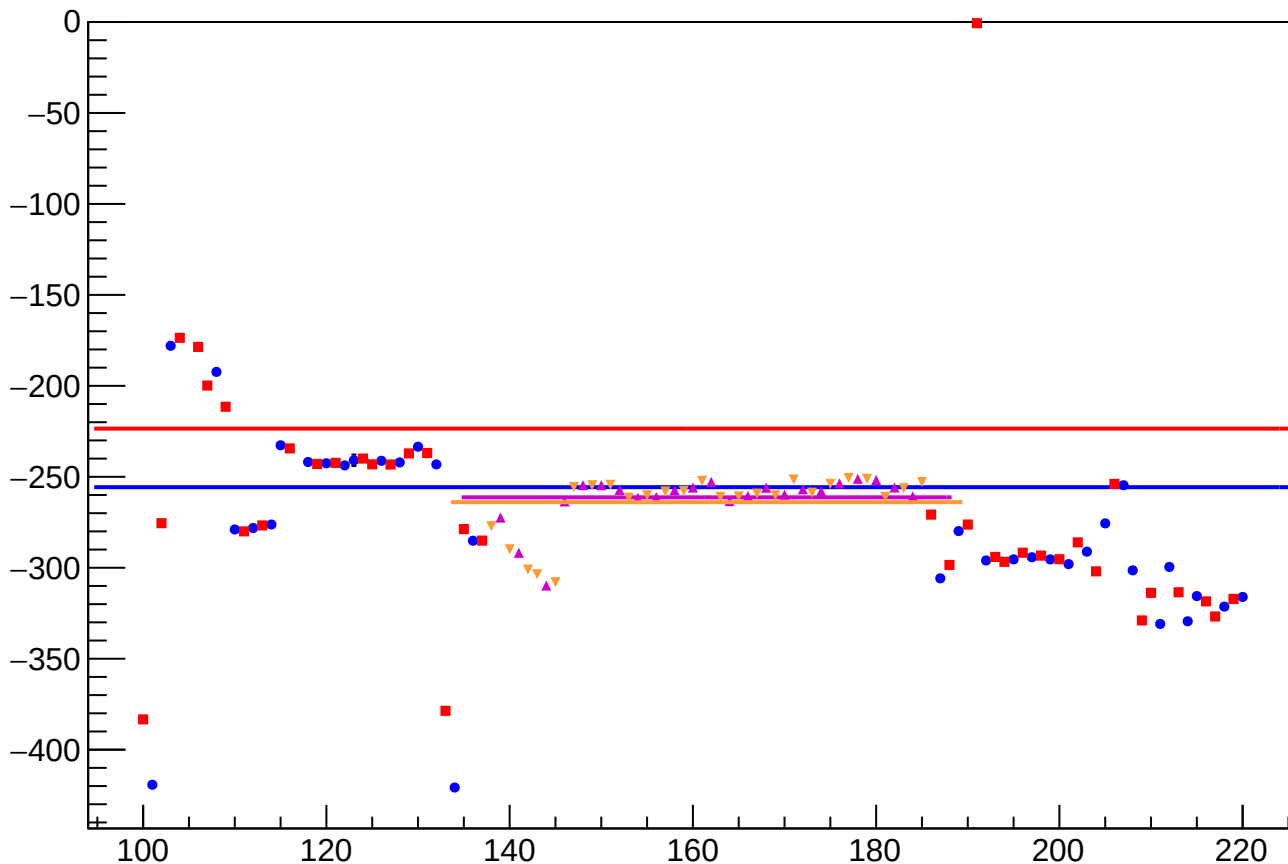
Left In: 141.360 ± 1.748 $\chi^2/\text{NDF}: 741.2/22$

+ sign 139.811 ± 1.459 $\chi^2/\text{NDF}: 2325.8/58$

All: 136.173 ± 1.030 $\chi^2/\text{NDF}: 4484.4/118$

- sign 132.564 ± 1.453 $\chi^2/\text{NDF}: 2146.2/59$

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -255.702 ± 0.133 χ^2/NDF : 210731.0/33

Left Out: -263.943 ± 0.081 χ^2/NDF : 39085.0/24

Right Out: -223.509 ± 0.121 χ^2/NDF : 520966.7/36

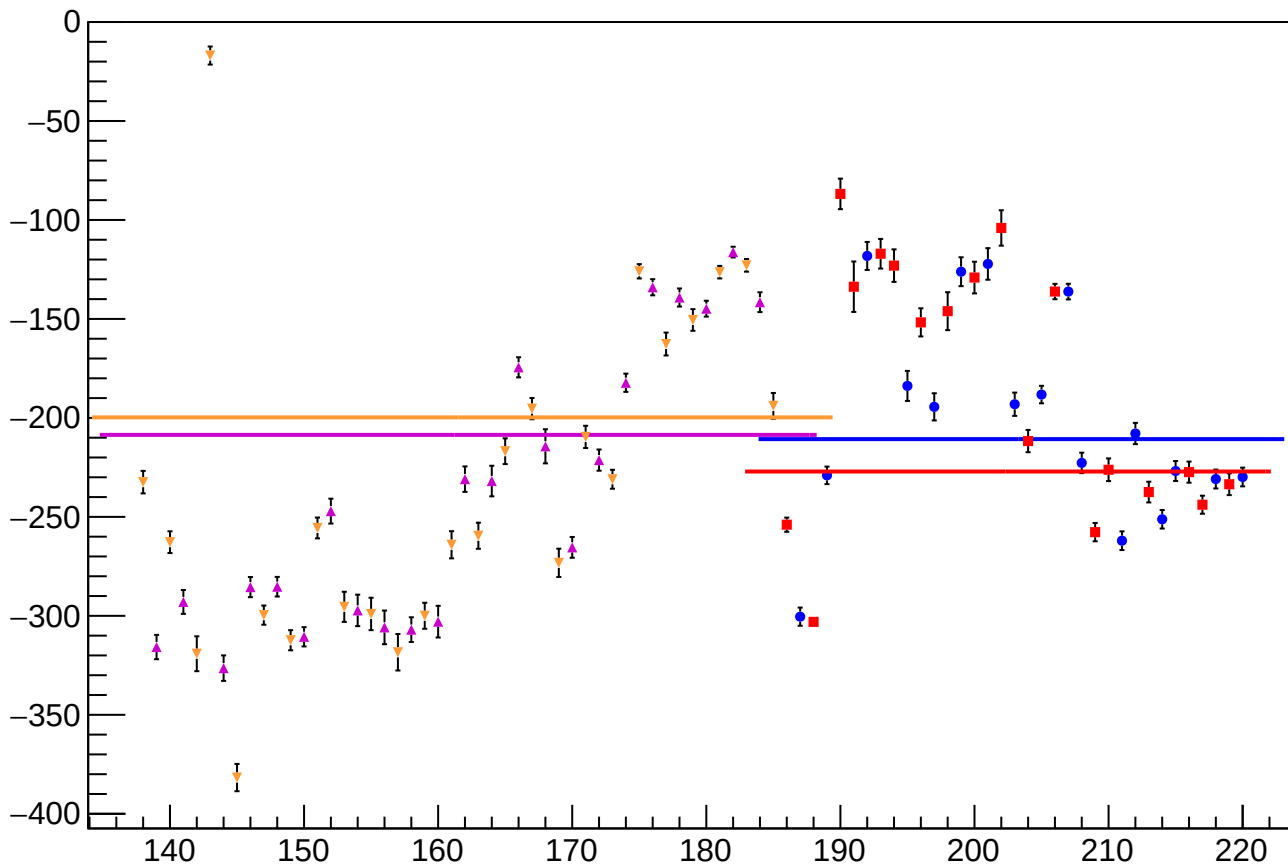
Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

+ sign -261.709 ± 0.069 χ^2/NDF : 252606.0/58

All: -255.379 ± 0.048 χ^2/NDF : 880381.2/118

- sign -249.336 ± 0.068 χ^2/NDF : 611498.5/59

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -210.717 $\pm$ 1.264 χ^2 /NDF: 1478.2/16

Left Out: -199.741 $\pm$ 1.061 χ^2 /NDF: 6361.5/24

Right Out: -227.085 $\pm$ 1.197 χ^2 /NDF: 2987.2/17

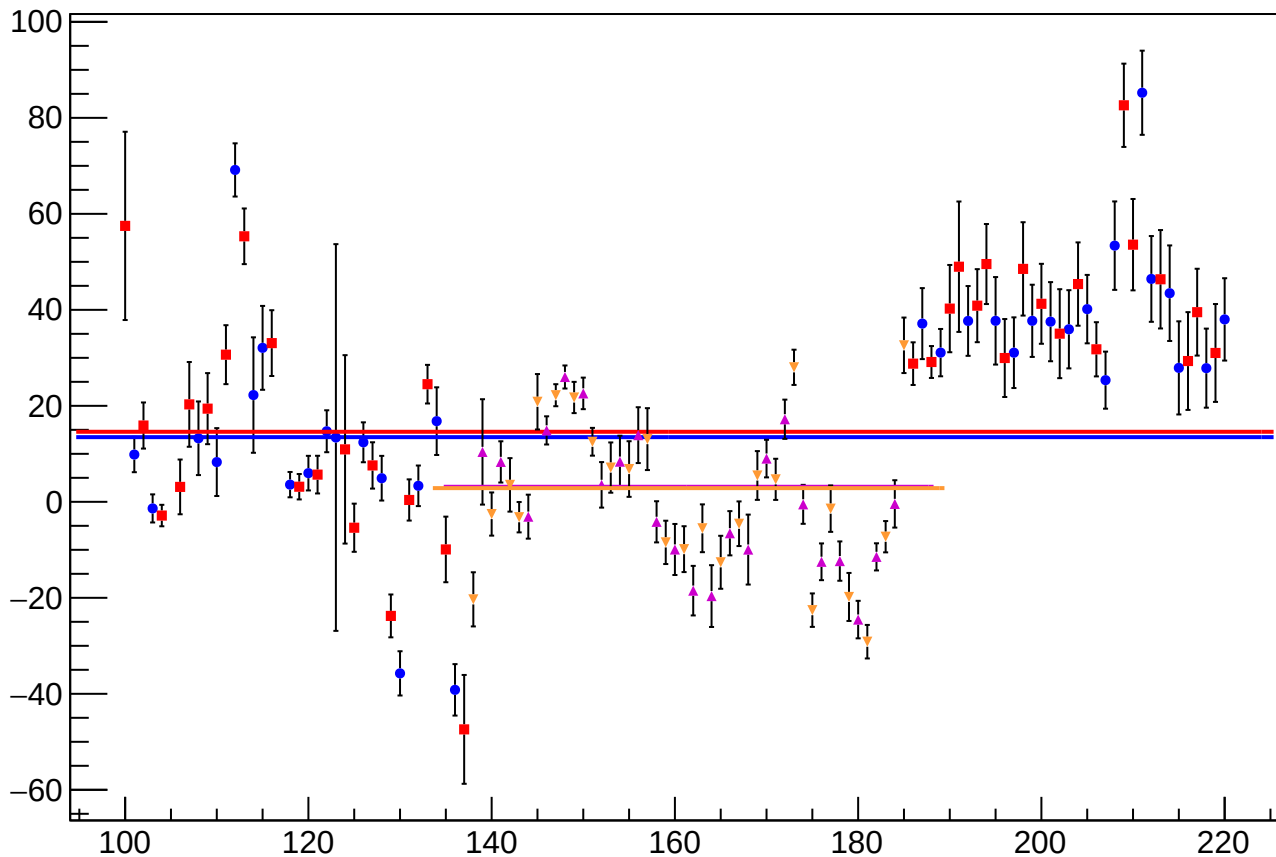
Left In: -208.579 $\pm$ 1.082 χ^2 /NDF: 4805.1/22

+ sign -204.281 $\pm$ 0.813 χ^2 /NDF: 7883.9/41

All: -210.671 $\pm$ 0.571 χ^2 /NDF: 15930.0/82

- sign -216.907 $\pm$ 0.803 χ^2 /NDF: 7923.9/40

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 13.474 $\pm$ 0.951 χ^2 /NDF: 584.7/33

Left Out: 2.853 $\pm$ 0.820 χ^2 /NDF: 419.8/24

Right Out: 14.595 $\pm$ 0.903 χ^2 /NDF: 535.7/36

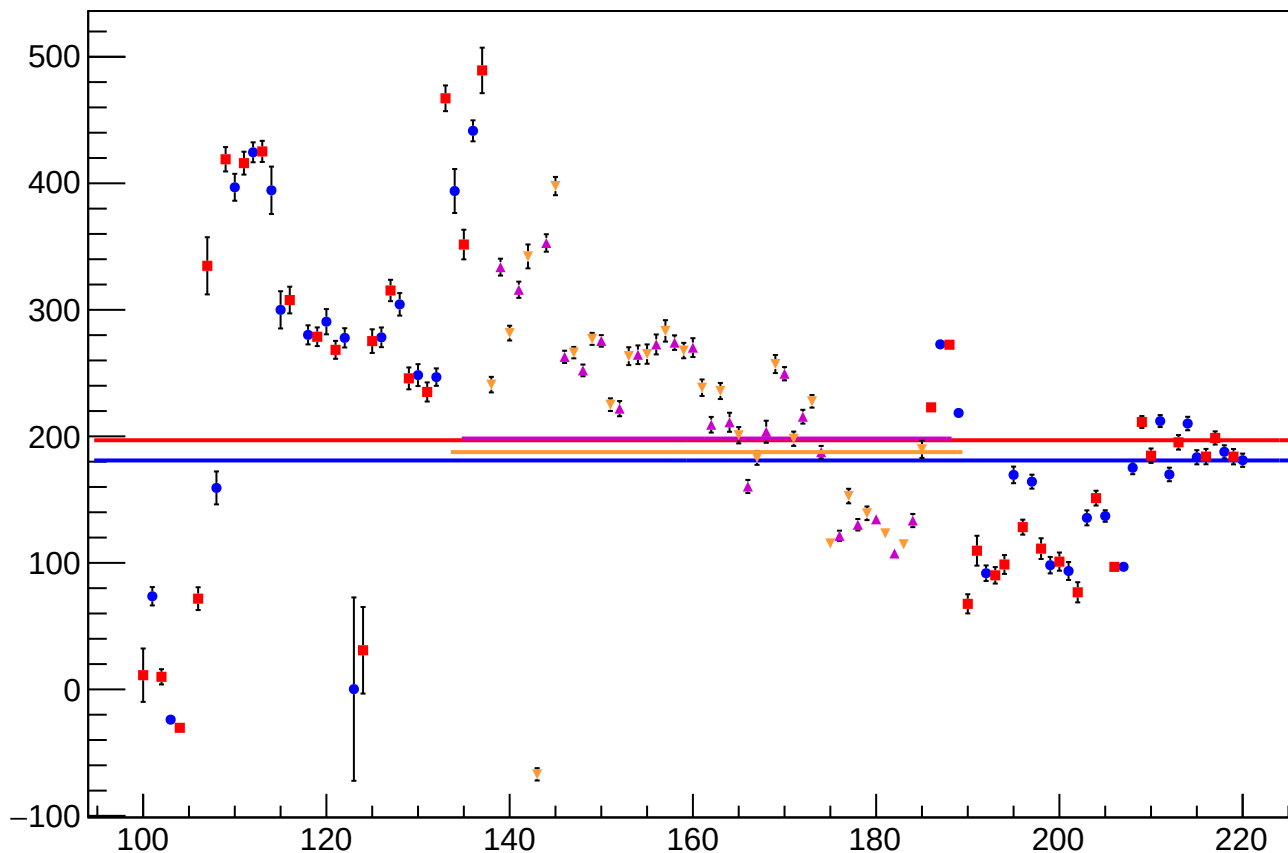
Left In: 3.136 $\pm$ 0.857 χ^2 /NDF: 319.8/22

+ sign 7.383 $\pm$ 0.621 χ^2 /NDF: 1076.2/58

All: 7.972 $\pm$ 0.439 χ^2 /NDF: 2018.1/118

- sign 8.562 $\pm$ 0.622 χ^2 /NDF: 940.2/59

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 180.956 ± 1.039 $\chi^2/\text{NDF}: 8771.9/33$

Left Out: 187.565 ± 1.066 $\chi^2/\text{NDF}: 7082.0/24$

Right Out: 196.922 ± 0.949 $\chi^2/\text{NDF}: 12154.4/36$

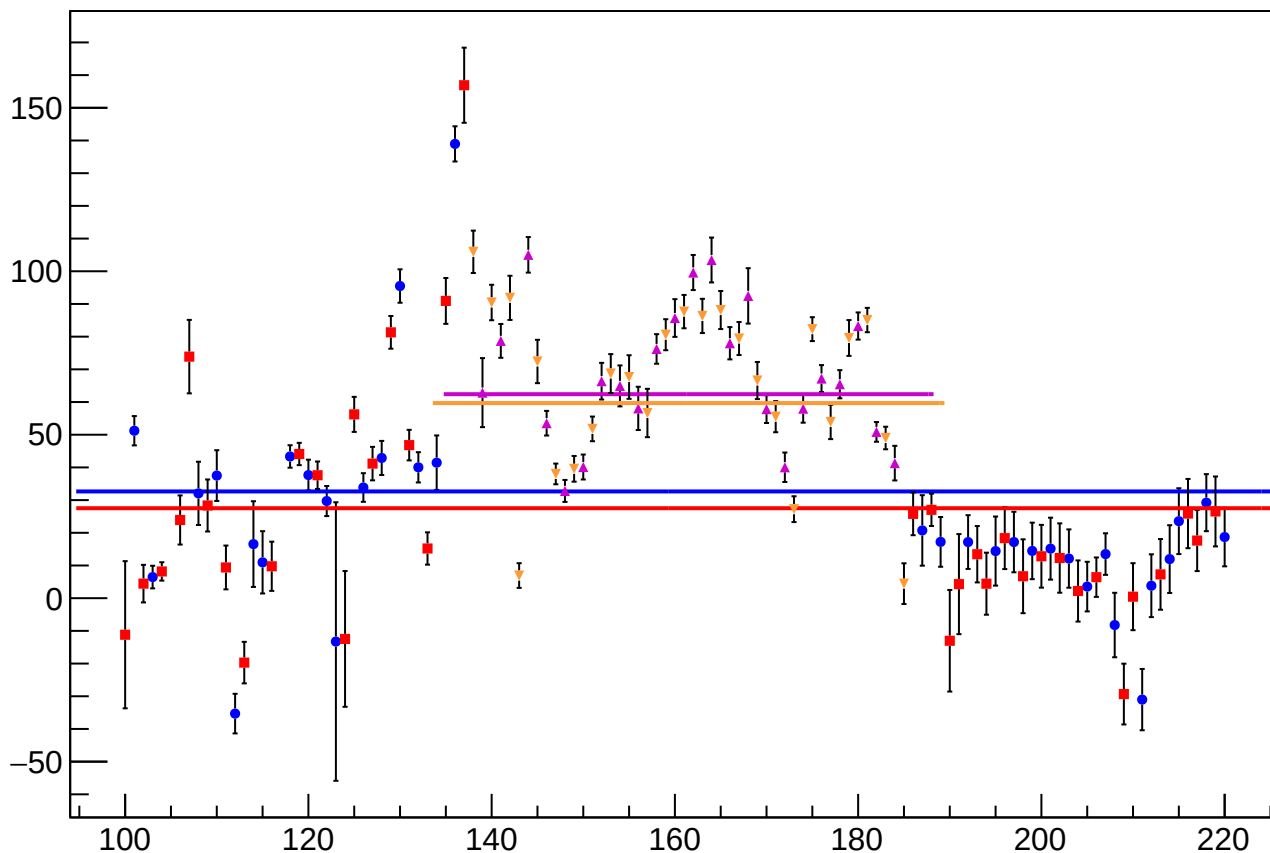
Left In: 198.269 ± 1.082 $\chi^2/\text{NDF}: 4515.8/22$

+ sign 184.177 ± 0.744 $\chi^2/\text{NDF}: 15873.6/58$

All: 191.124 ± 0.515 $\chi^2/\text{NDF}: 32712.0/118$

- sign 197.507 ± 0.713 $\chi^2/\text{NDF}: 16671.1/59$

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 32.651 $\pm$ 1.102 χ^2 /NDF: 899.8/33

Left Out: 59.682 $\pm$ 0.941 χ^2 /NDF: 757.6/24

Right Out: 27.520 $\pm$ 1.071 χ^2 /NDF: 663.3/36

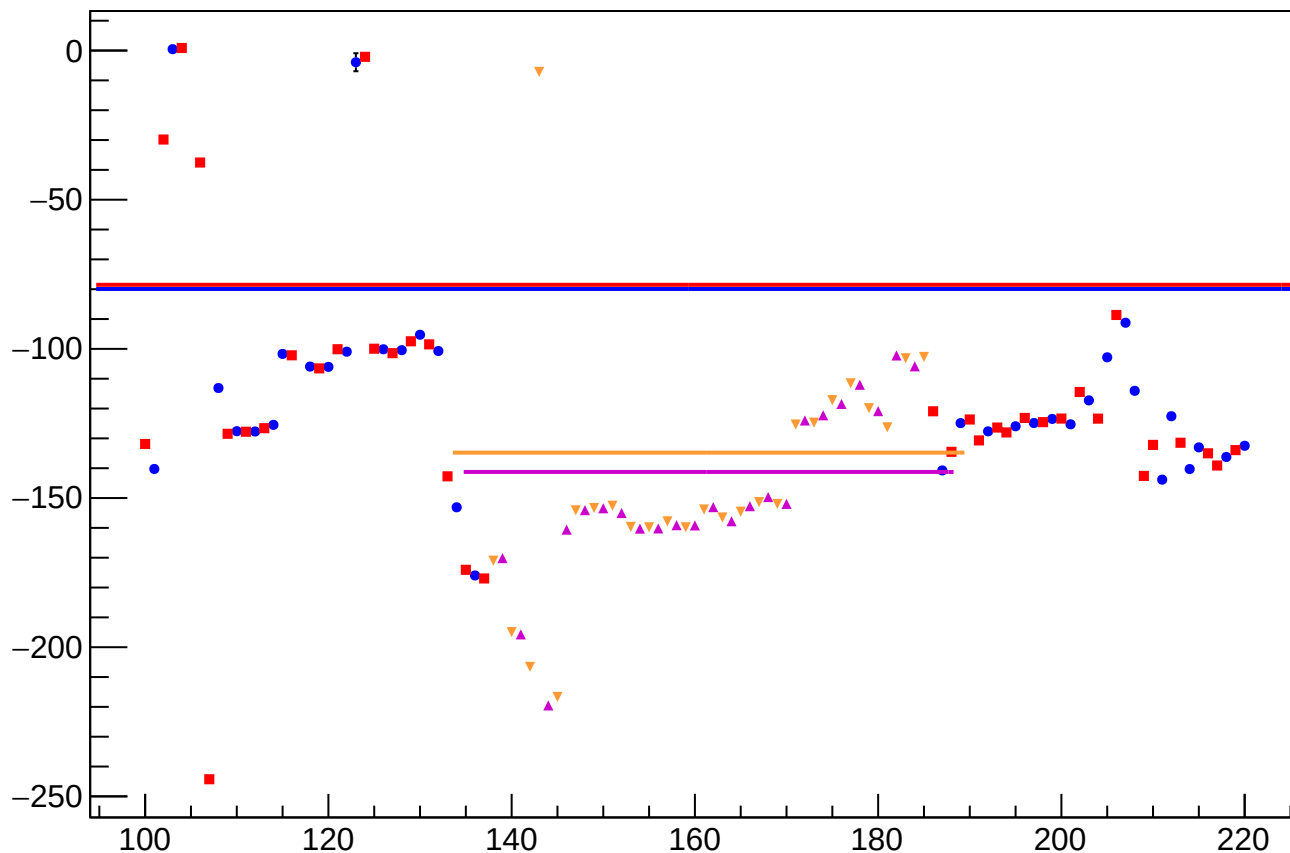
Left In: 62.400 $\pm$ 0.974 χ^2 /NDF: 406.3/22

+ sign 48.293 $\pm$ 0.716 χ^2 /NDF: 2005.3/58

All: 47.460 $\pm$ 0.508 χ^2 /NDF: 3657.8/118

- sign 46.614 $\pm$ 0.721 χ^2 /NDF: 1649.9/59

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -79.915 ± 0.050 $\chi^2/\text{NDF}: 1491982.0/33$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -78.518 ± 0.049 $\chi^2/\text{NDF}: 1471912.0/36$

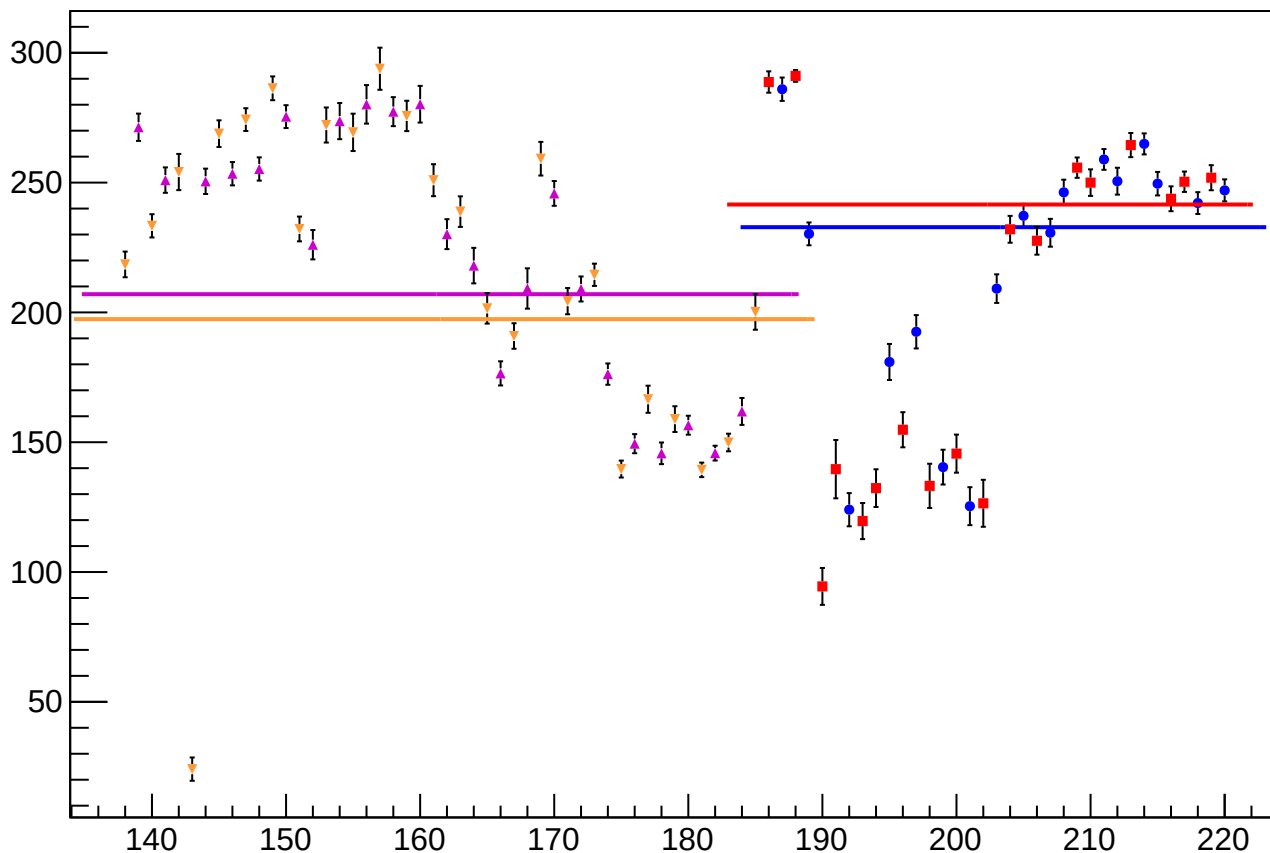
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -110.394 ± 0.033 $\chi^2/\text{NDF}: 2972293.0/58$

All: -111.225 ± 0.023 $\chi^2/\text{NDF}: 5685811.5/111$

- sign -112.054 ± 0.033 $\chi^2/\text{NDF}: 2712263.7/59$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 232.826 $\pm$ 1.204 χ^2 /NDF: 1105.0/16

Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF: 4384.2/24

Right Out: 241.555 $\pm$ 1.148 χ^2 /NDF: 2369.1/17

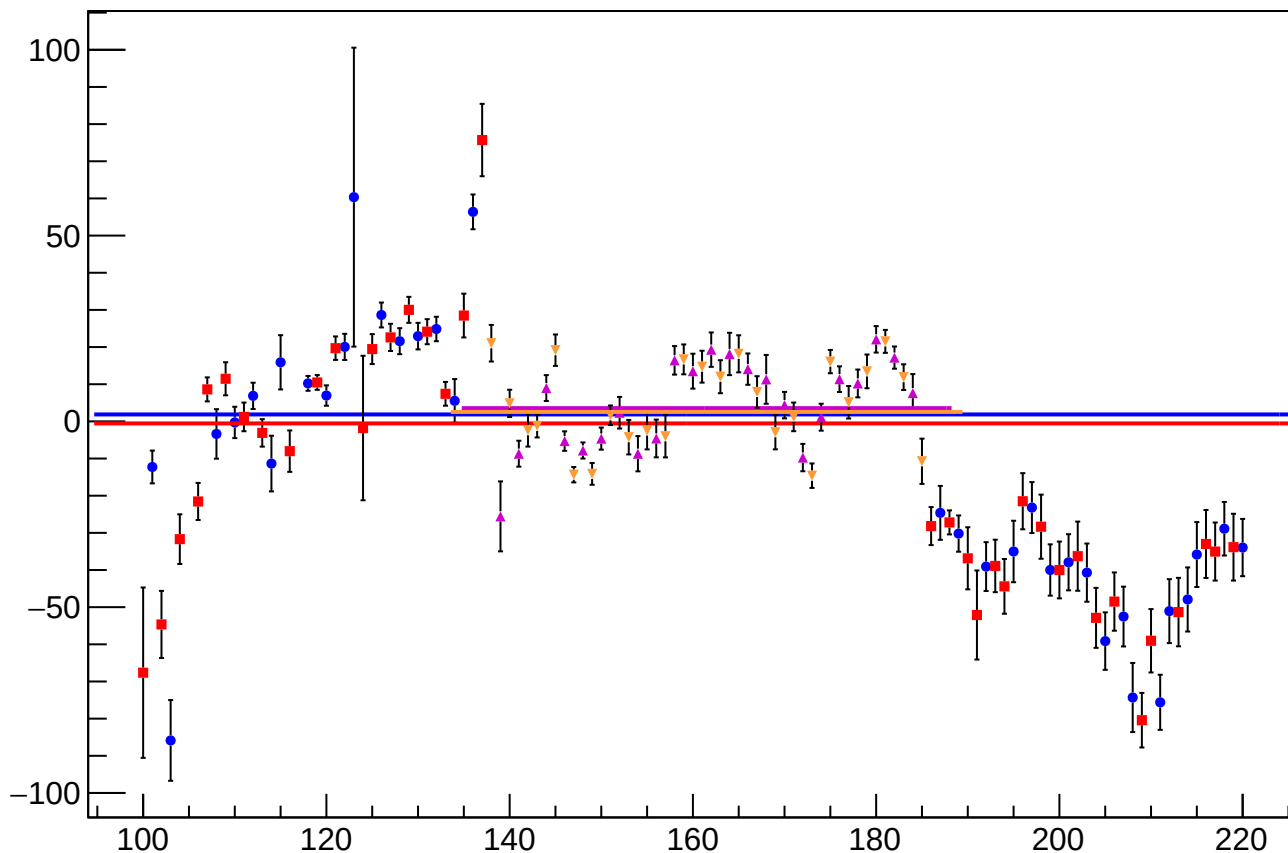
Left In: 207.014 $\pm$ 0.990 χ^2 /NDF: 2611.5/22

+ sign 211.227 $\pm$ 0.752 χ^2 /NDF: 6017.1/41

All: 216.505 $\pm$ 0.531 χ^2 /NDF: 11615.1/82

- sign 221.752 $\pm$ 0.750 χ^2 /NDF: 5499.7/40

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 1.867 ± 0.831 χ^2/NDF : 1086.7/33

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: -0.548 ± 0.799 χ^2/NDF : 1039.7/36

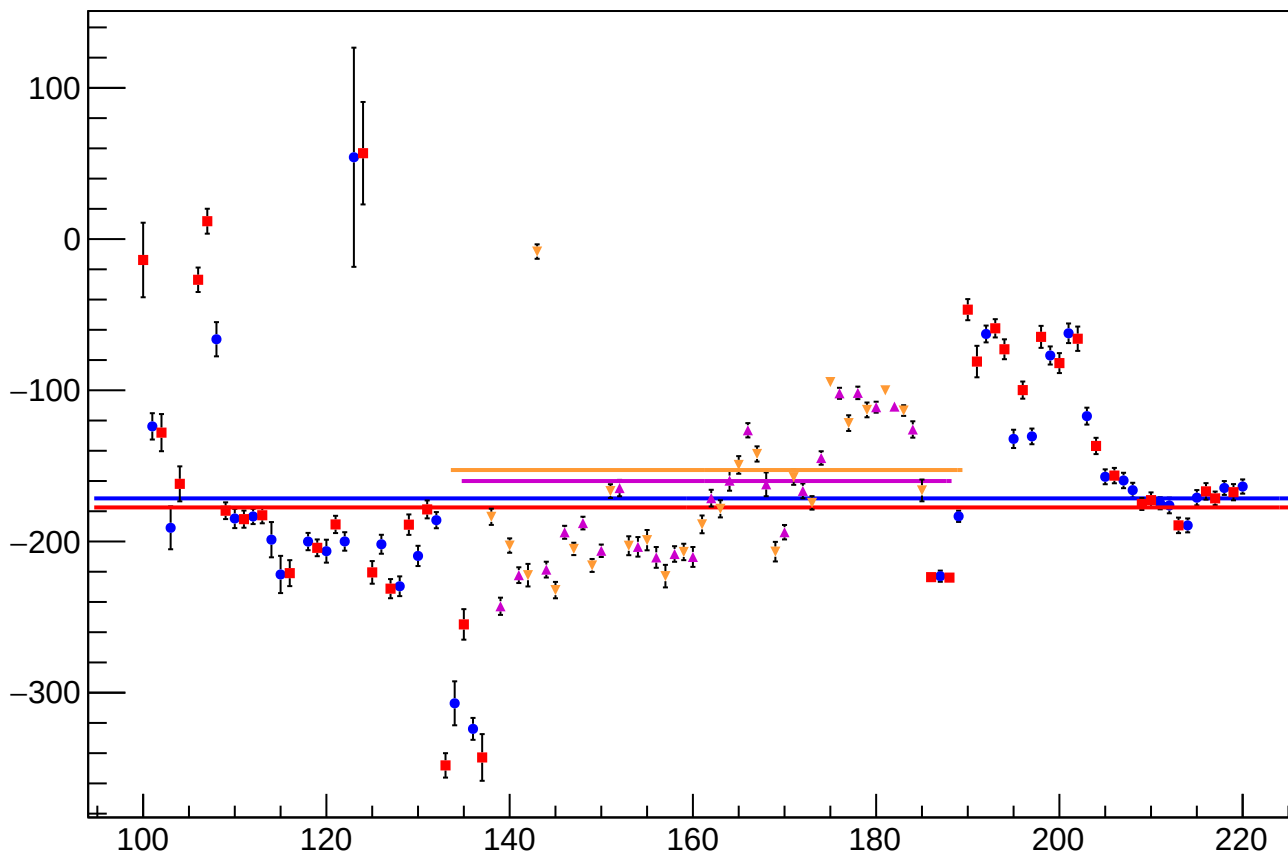
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 2.246 ± 0.553 χ^2/NDF : 1362.5/58

All: 1.911 ± 0.392 χ^2/NDF : 2608.6/118

- sign 1.572 ± 0.556 χ^2/NDF : 1245.3/59

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -171.488 ± 0.983 χ^2/NDF : 2253.8/33

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -177.470 ± 0.900 χ^2/NDF : 4594.8/36

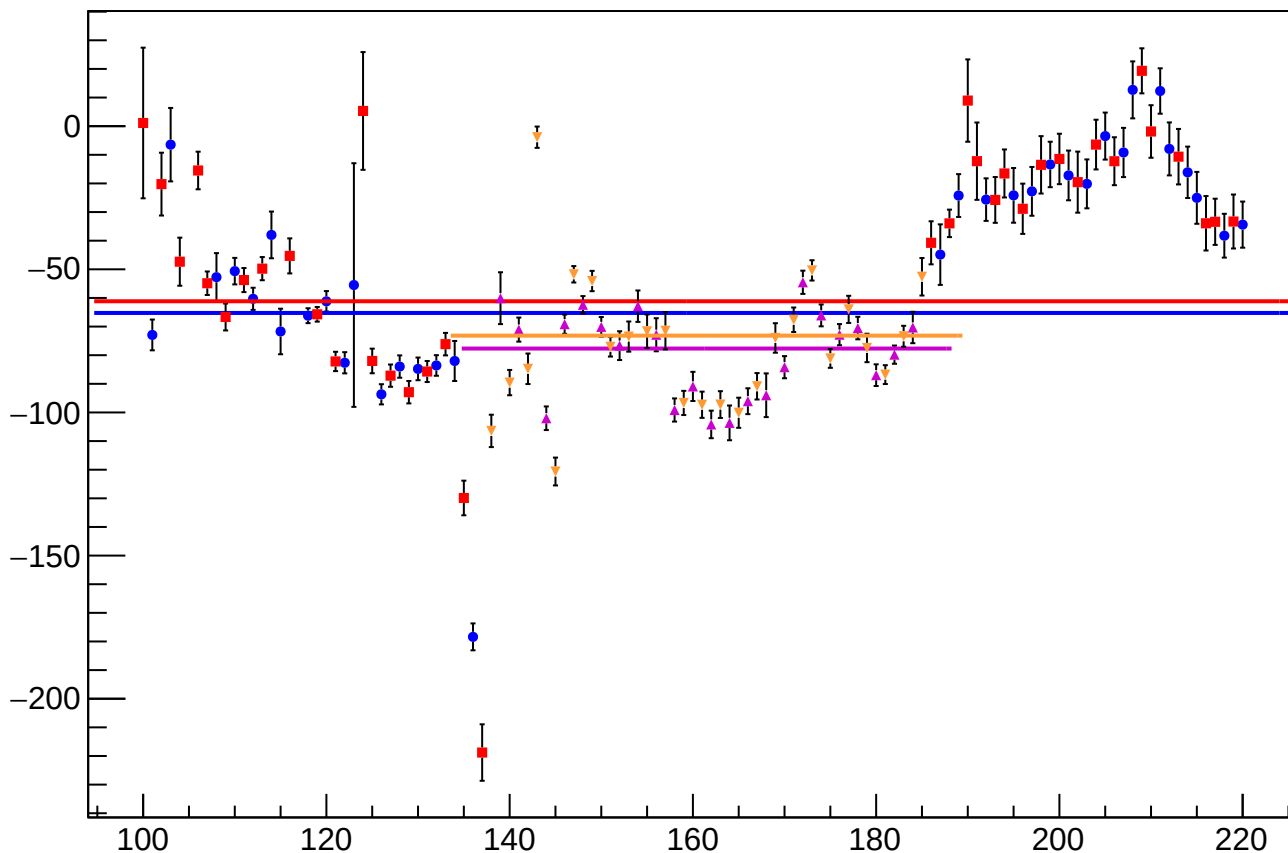
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -161.960 ± 0.689 χ^2/NDF : 5516.5/58

All: -165.892 ± 0.479 χ^2/NDF : 12368.8/118

- sign -169.560 ± 0.666 χ^2/NDF : 6789.4/59

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -65.244 ± 0.959 $\chi^2/\text{NDF}: 1373.4/33$

Left Out: -73.165 ± 0.851 $\chi^2/\text{NDF}: 788.6/24$

Right Out: -61.159 ± 0.932 $\chi^2/\text{NDF}: 1205.5/36$

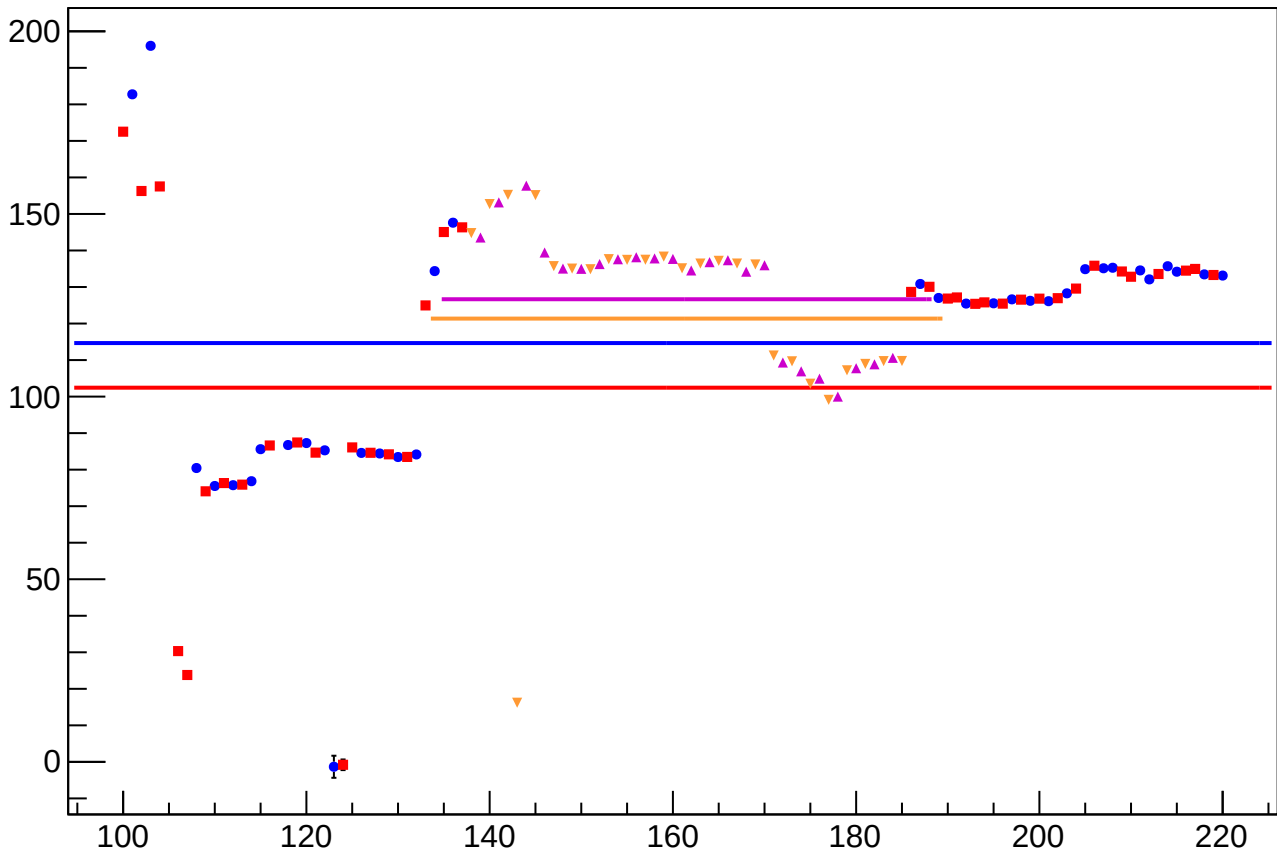
Left In: -77.678 ± 0.883 $\chi^2/\text{NDF}: 248.3/22$

+ sign -69.675 ± 0.637 $\chi^2/\text{NDF}: 2200.1/58$

All: -69.771 ± 0.452 $\chi^2/\text{NDF}: 3819.5/118$

- sign -69.869 ± 0.641 $\chi^2/\text{NDF}: 1619.3/59$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 114.656 $\pm$ 0.053 χ^2 /NDF: 331554.0/33

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 102.440 $\pm$ 0.050 χ^2 /NDF: 610956.5/36

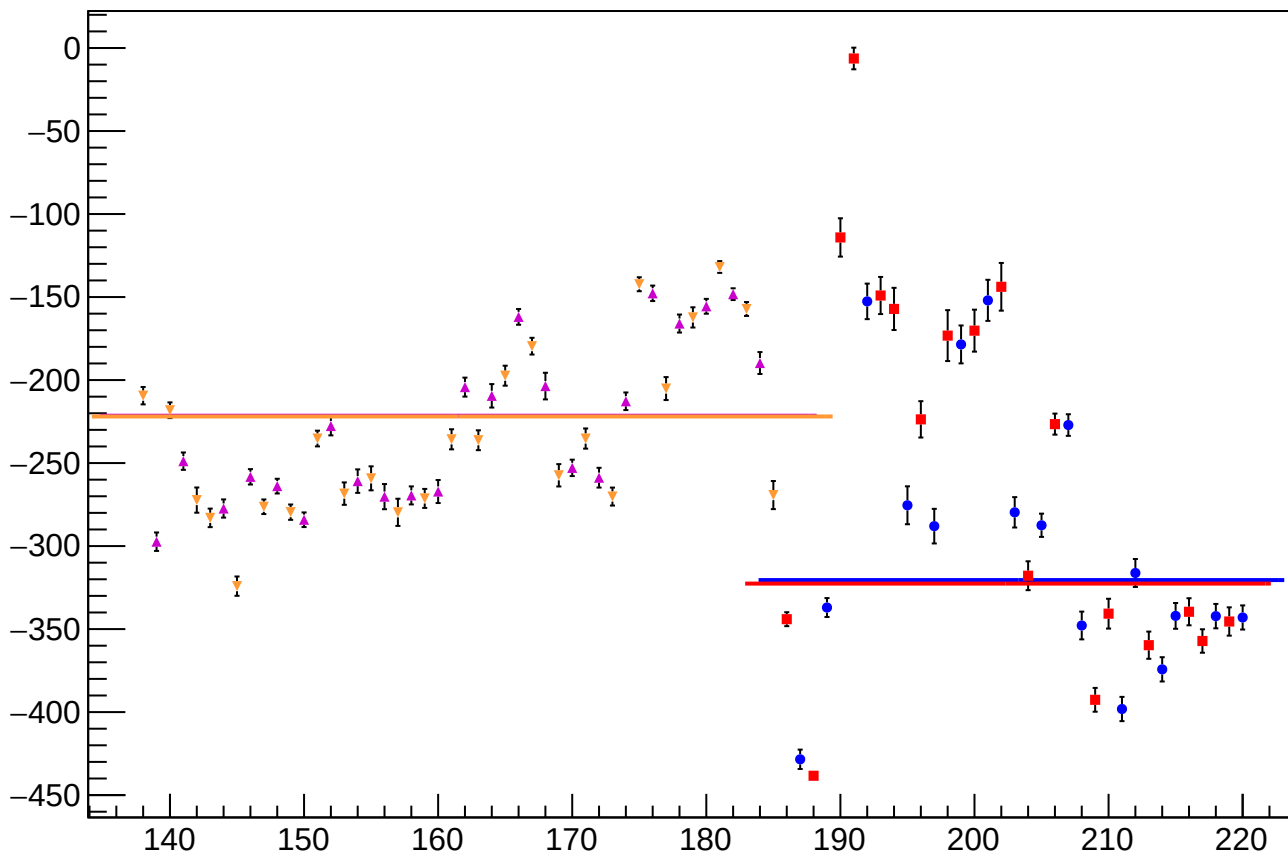
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 118.924 $\pm$ 0.032 χ^2 /NDF: 823559.9/58

All: 117.835 $\pm$ 0.023 χ^2 /NDF: 1741451.9/118

- sign 116.783 $\pm$ 0.032 χ^2 /NDF: 915638.4/59

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -320.479 ± 1.904 χ^2/NDF : 1414.5/16

Left Out: -221.934 ± 1.084 χ^2/NDF : 2578.4/24

Right Out: -322.604 ± 1.649 χ^2/NDF : 5432.1/17

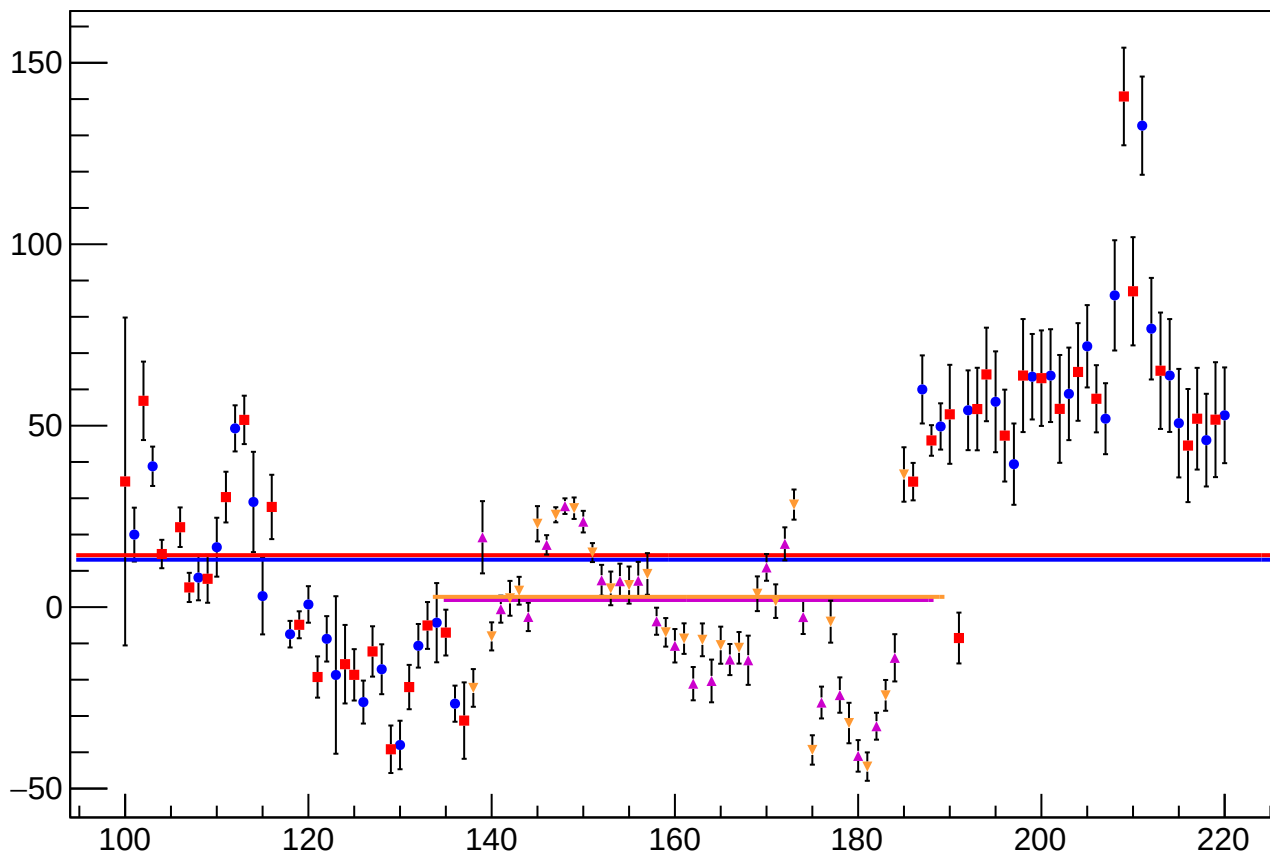
Left In: -221.483 ± 1.102 χ^2/NDF : 2149.8/22

+ sign -246.078 ± 0.942 χ^2/NDF : 6016.1/41

All: -249.481 ± 0.657 χ^2/NDF : 16221.6/82

- sign -252.699 ± 0.916 χ^2/NDF : 10180.2/40

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 13.069 $\pm$ 1.345 χ^2 /NDF: 645.4/33

Left Out: 2.832 $\pm$ 0.807 χ^2 /NDF: 686.9/24

Right Out: 14.315 $\pm$ 1.189 χ^2 /NDF: 639.4/36

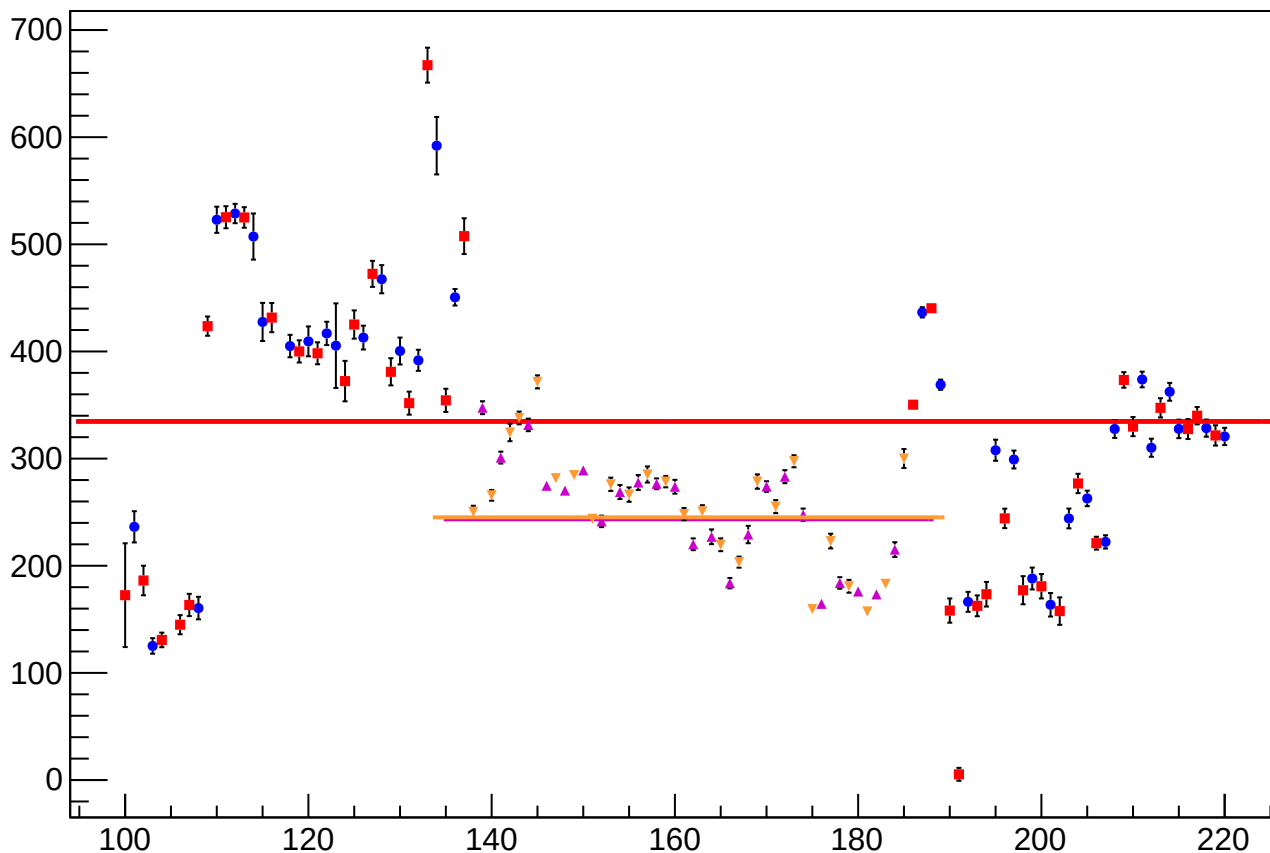
Left In: 1.969 $\pm$ 0.835 χ^2 /NDF: 589.1/22

+ sign 5.541 $\pm$ 0.692 χ^2 /NDF: 1374.9/58

All: 5.797 $\pm$ 0.486 χ^2 /NDF: 2675.9/118

- sign 6.047 $\pm$ 0.683 χ^2 /NDF: 1300.7/59

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 334.895 ± 1.518 $\chi^2/\text{NDF}: 4489.5/33$

Left Out: 245.179 ± 1.082 $\chi^2/\text{NDF}: 2597.4/24$

Right Out: 334.309 ± 1.275 $\chi^2/\text{NDF}: 10102.4/36$

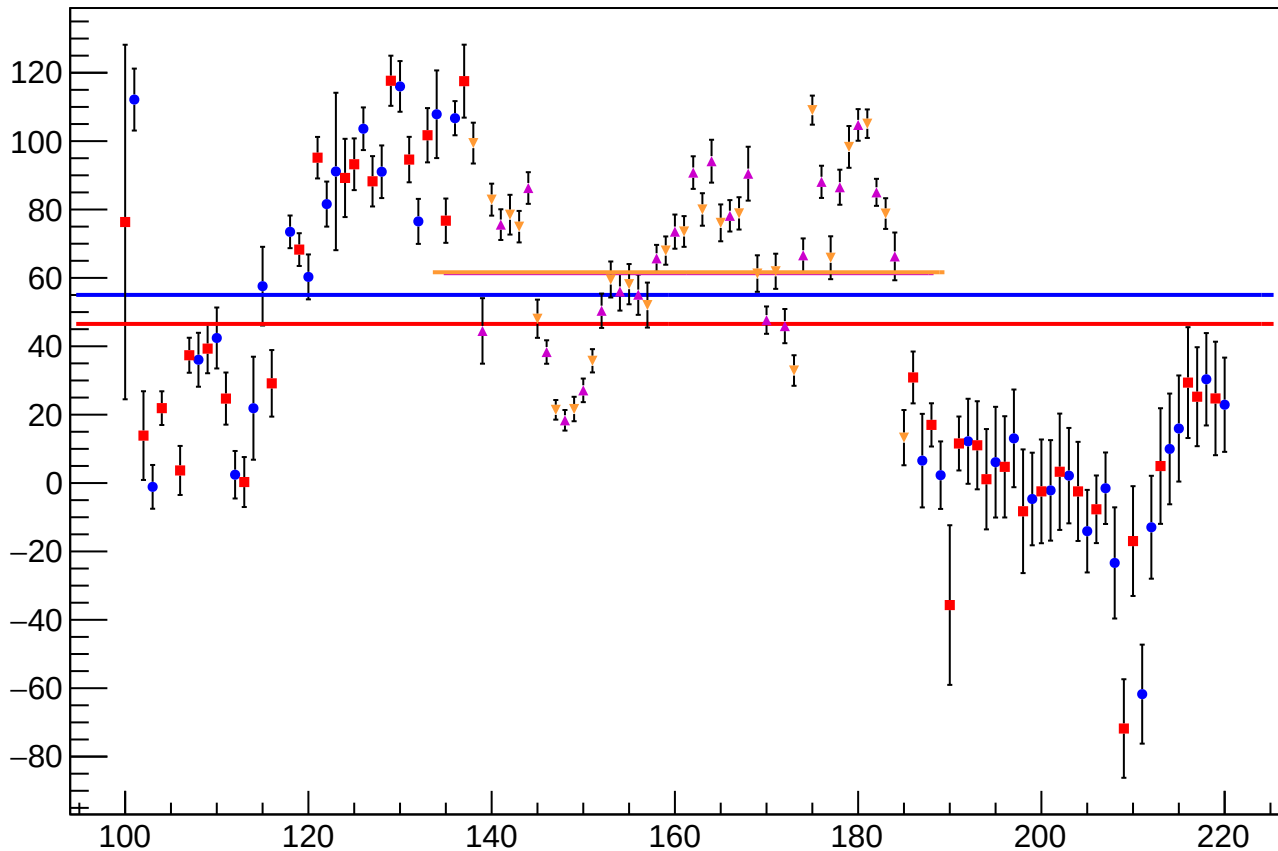
Left In: 243.366 ± 1.094 $\chi^2/\text{NDF}: 2236.7/22$

+ sign 275.401 ± 0.881 $\chi^2/\text{NDF}: 9402.7/58$

All: 278.861 ± 0.604 $\chi^2/\text{NDF}: 24703.3/118$

- sign 281.932 ± 0.830 $\chi^2/\text{NDF}: 15271.5/59$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 55.025 ± 1.555 $\chi^2/\text{NDF}: 818.9/33$

Left Out: 61.647 ± 0.936 $\chi^2/\text{NDF}: 871.5/24$

Right Out: 46.541 ± 1.413 $\chi^2/\text{NDF}: 797.4/36$

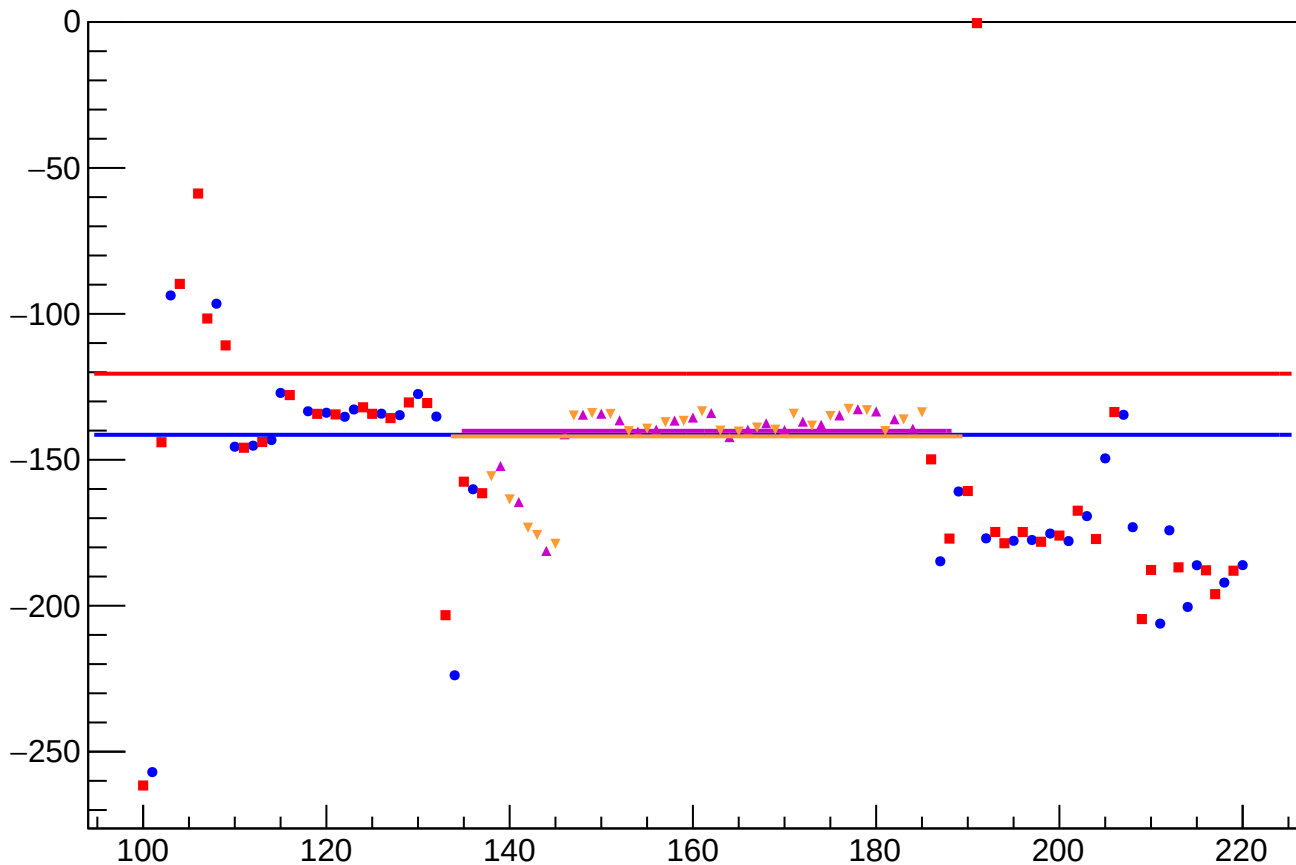
Left In: 61.375 ± 0.961 $\chi^2/\text{NDF}: 699.7/22$

+ sign 59.885 ± 0.802 $\chi^2/\text{NDF}: 1703.8/58$

All: 58.271 ± 0.565 $\chi^2/\text{NDF}: 3284.2/118$

- sign 56.685 ± 0.795 $\chi^2/\text{NDF}: 1572.4/59$

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -141.433 ± 0.074 $\chi^2/\text{NDF}: 263479.1/33$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -120.496 ± 0.066 $\chi^2/\text{NDF}: 658464.4/36$

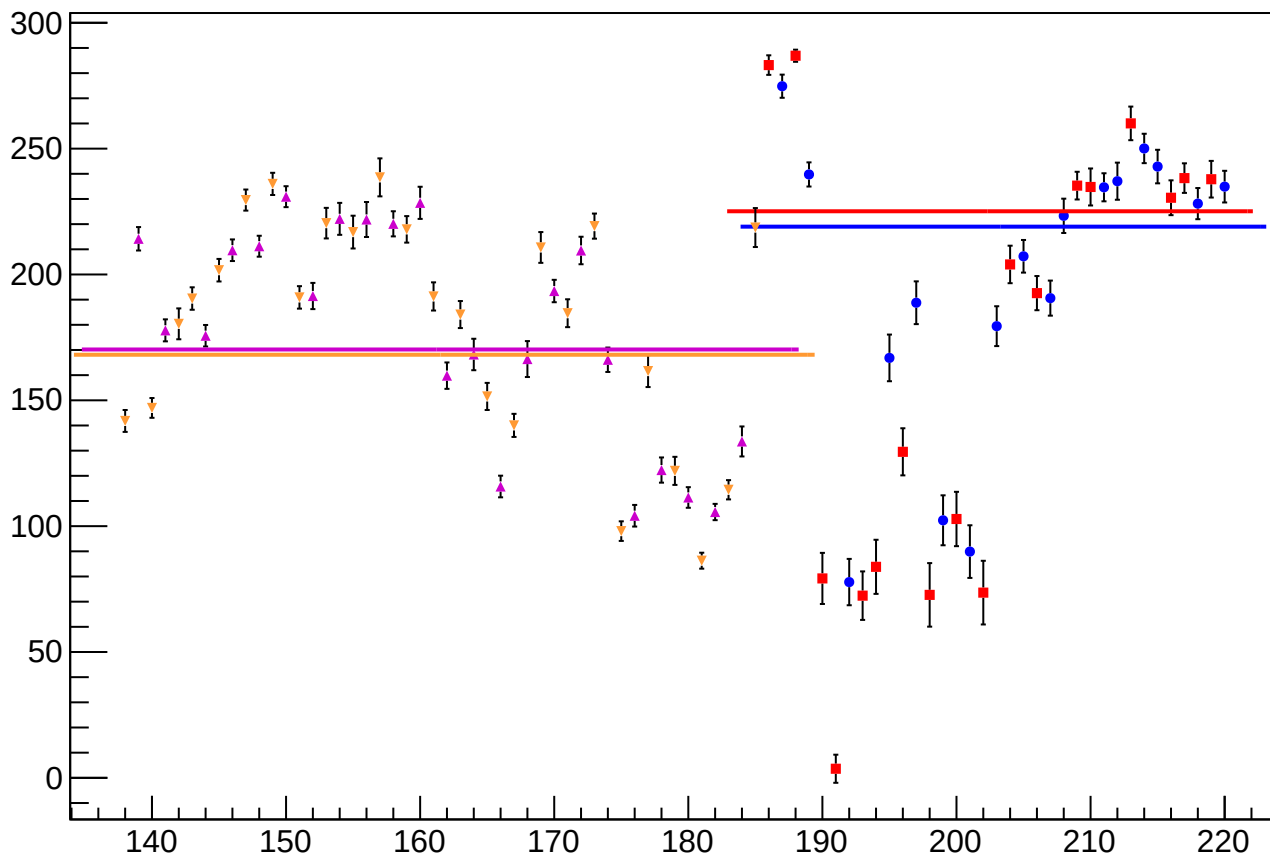
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -141.825 ± 0.038 $\chi^2/\text{NDF}: 343770.2/58$

All: -137.738 ± 0.027 $\chi^2/\text{NDF}: 1132381.9/11$

- sign -133.871 ± 0.037 $\chi^2/\text{NDF}: 766386.6/59$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 219.003 $\pm$ 1.616 χ^2 /NDF: 844.7/16

Left Out: 168.106 $\pm$ 0.970 χ^2 /NDF: 2468.8/24

Right Out: 225.114 $\pm$ 1.394 χ^2 /NDF: 3678.3/17

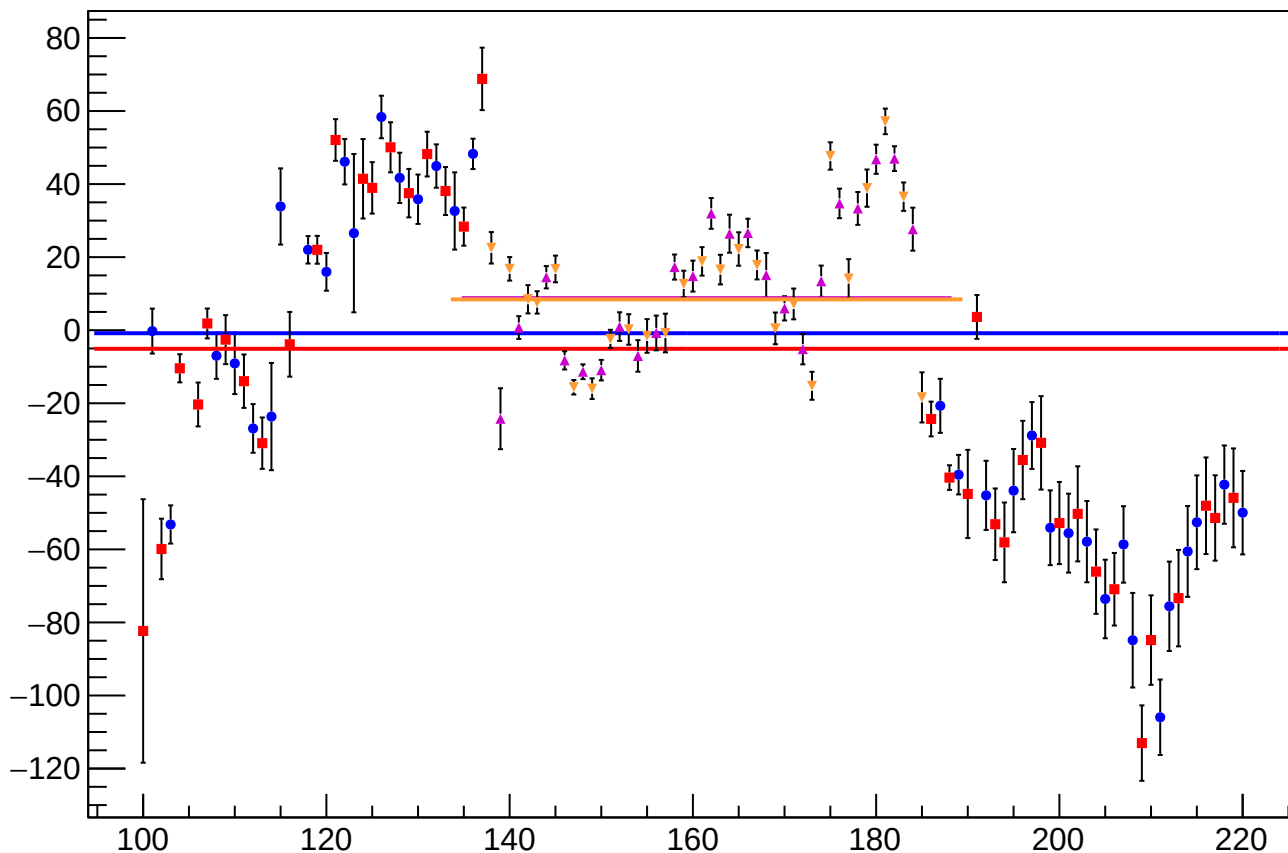
Left In: 170.198 $\pm$ 0.995 χ^2 /NDF: 2024.5/22

+ sign 181.590 $\pm$ 0.832 χ^2 /NDF: 4042.5/41

All: 185.258 $\pm$ 0.580 χ^2 /NDF: 10810.8/82

- sign 188.738 $\pm$ 0.810 χ^2 /NDF: 6730.4/40

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -0.825 ± 1.269 χ^2/NDF : 1132.5/33

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: -5.086 ± 1.126 χ^2/NDF : 1138.1/36

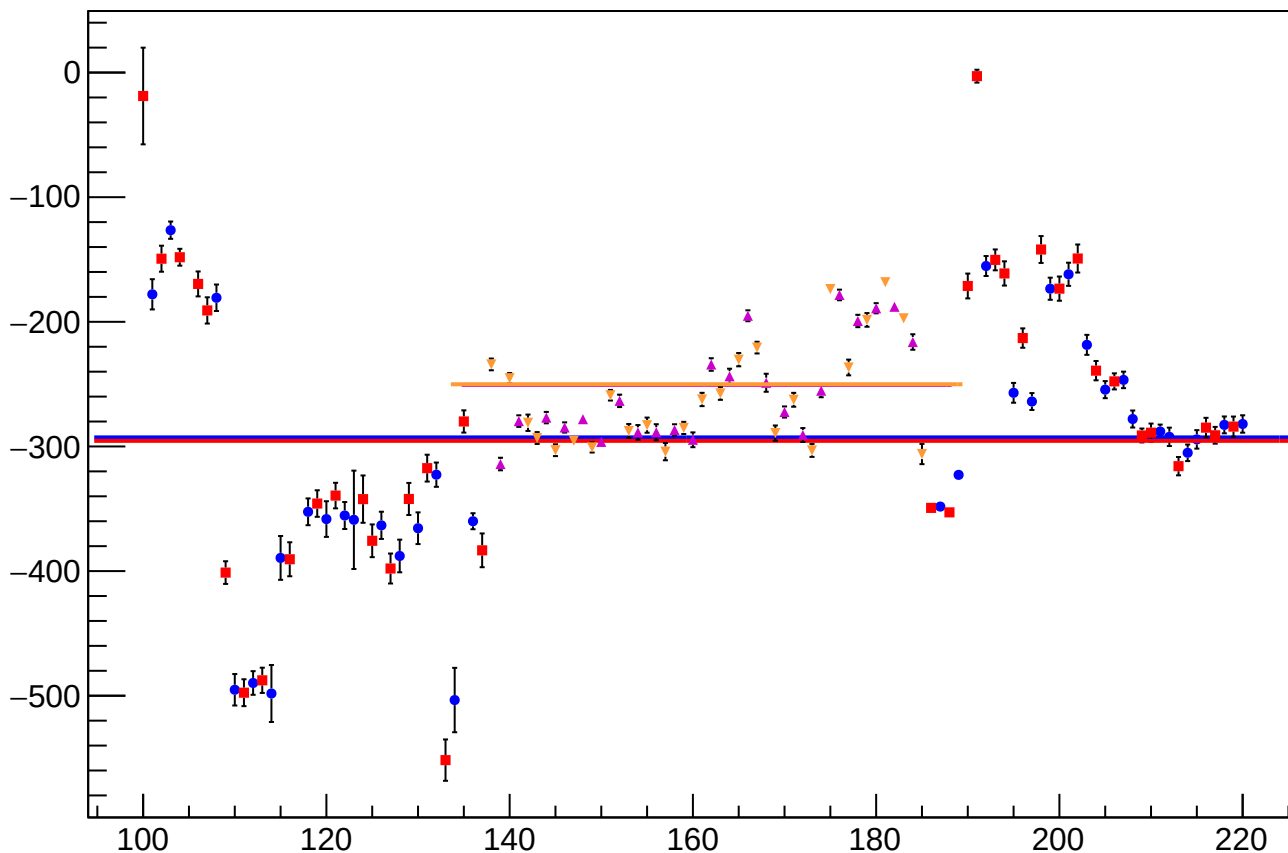
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 6.143 ± 0.632 χ^2/NDF : 1924.6/58

All: 5.291 ± 0.446 χ^2/NDF : 3797.3/118

- sign 4.446 ± 0.629 χ^2/NDF : 1869.1/59

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -292.744 ± 1.332 χ^2/NDF : 3140.1/33

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -295.500 ± 1.113 χ^2/NDF : 8123.3/36

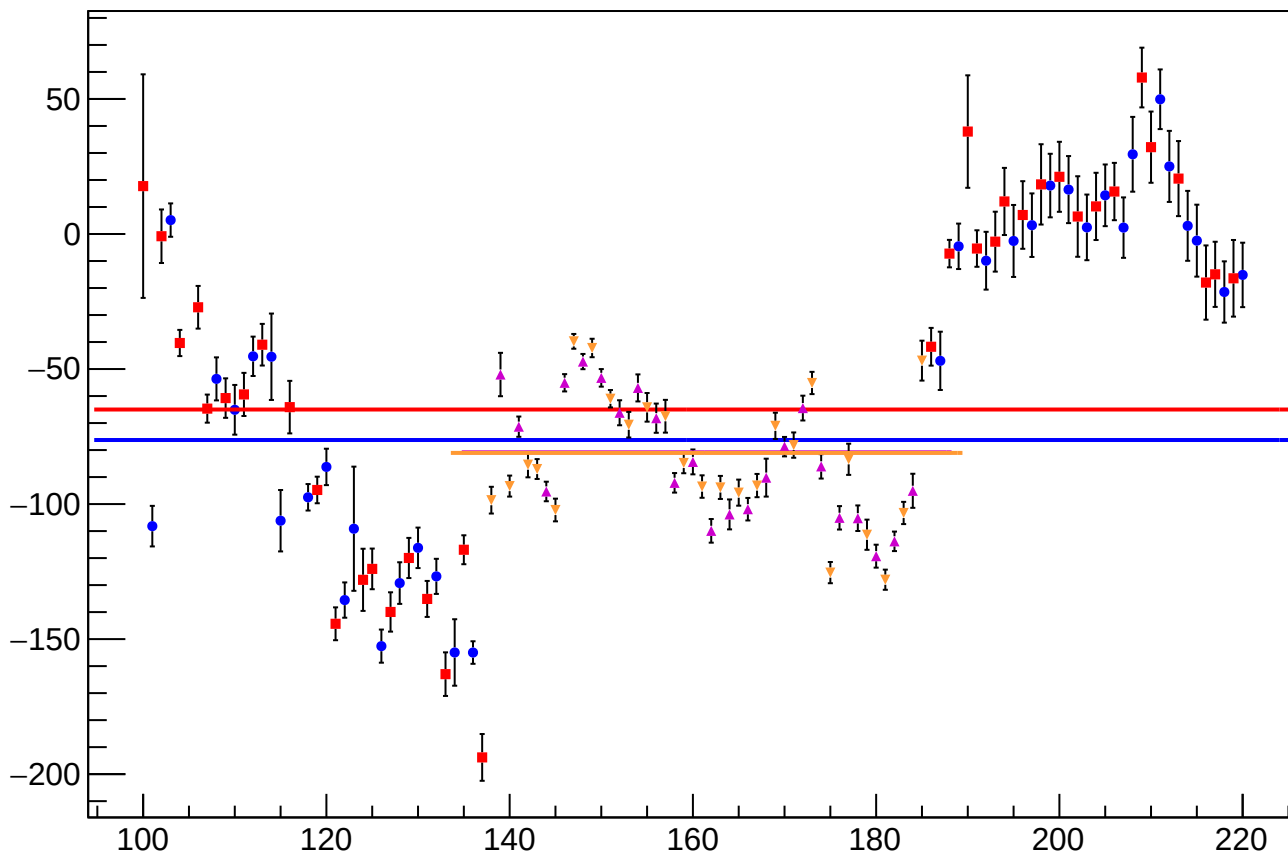
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -264.943 ± 0.785 χ^2/NDF : 6055.4/58

All: -267.864 ± 0.538 χ^2/NDF : 17049.0/118

- sign -270.457 ± 0.740 χ^2/NDF : 10967.5/59

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -76.281 ± 1.465 $\chi^2/\text{NDF}: 1857.2/33$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -64.989 ± 1.342 $\chi^2/\text{NDF}: 1931.9/36$

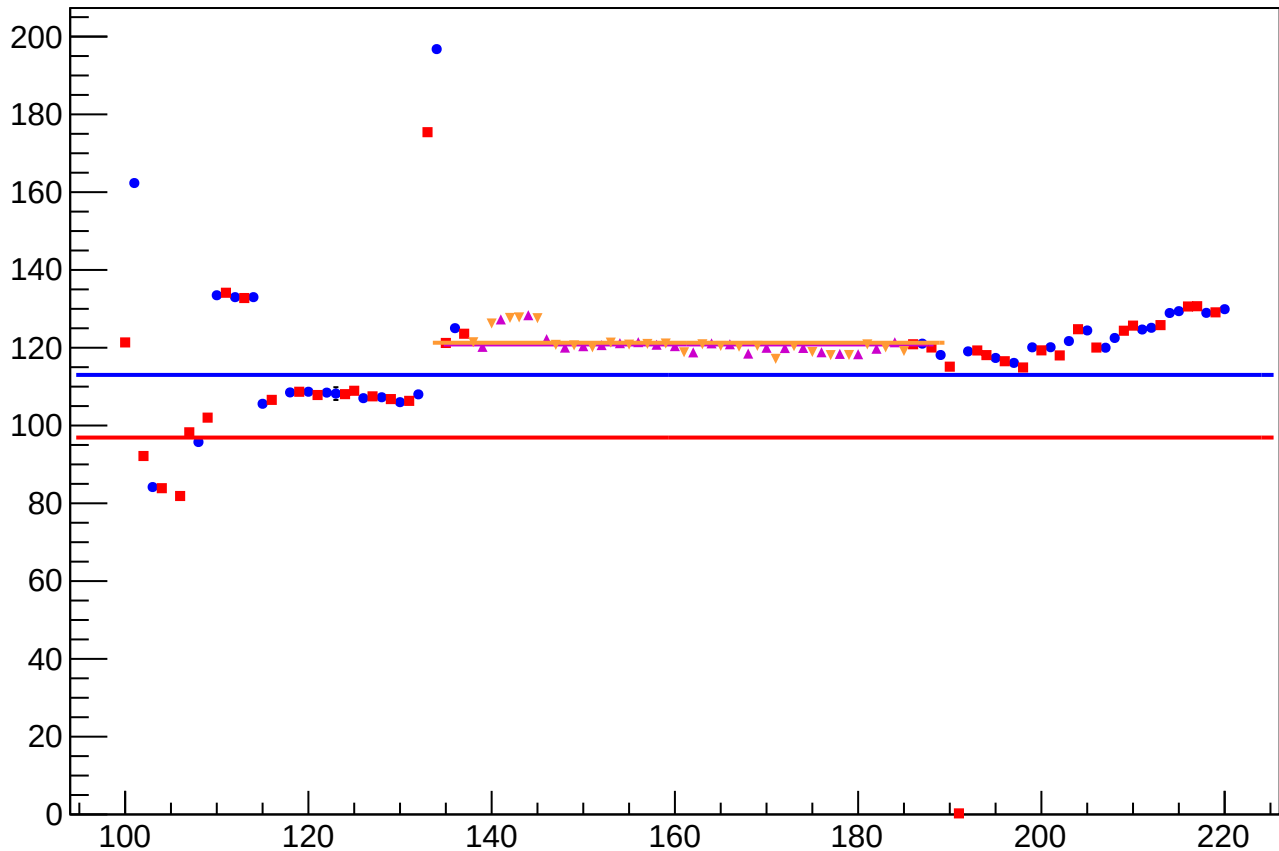
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -79.869 ± 0.731 $\chi^2/\text{NDF}: 2778.2/58$

All: -78.000 ± 0.517 $\chi^2/\text{NDF}: 5514.3/118$

- sign -76.130 ± 0.731 $\chi^2/\text{NDF}: 2723.0/59$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 113.013 $\pm$ 0.068 χ^2 /NDF: 82299.0/33

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 96.906 $\pm$ 0.061 χ^2 /NDF: 376441.4/36

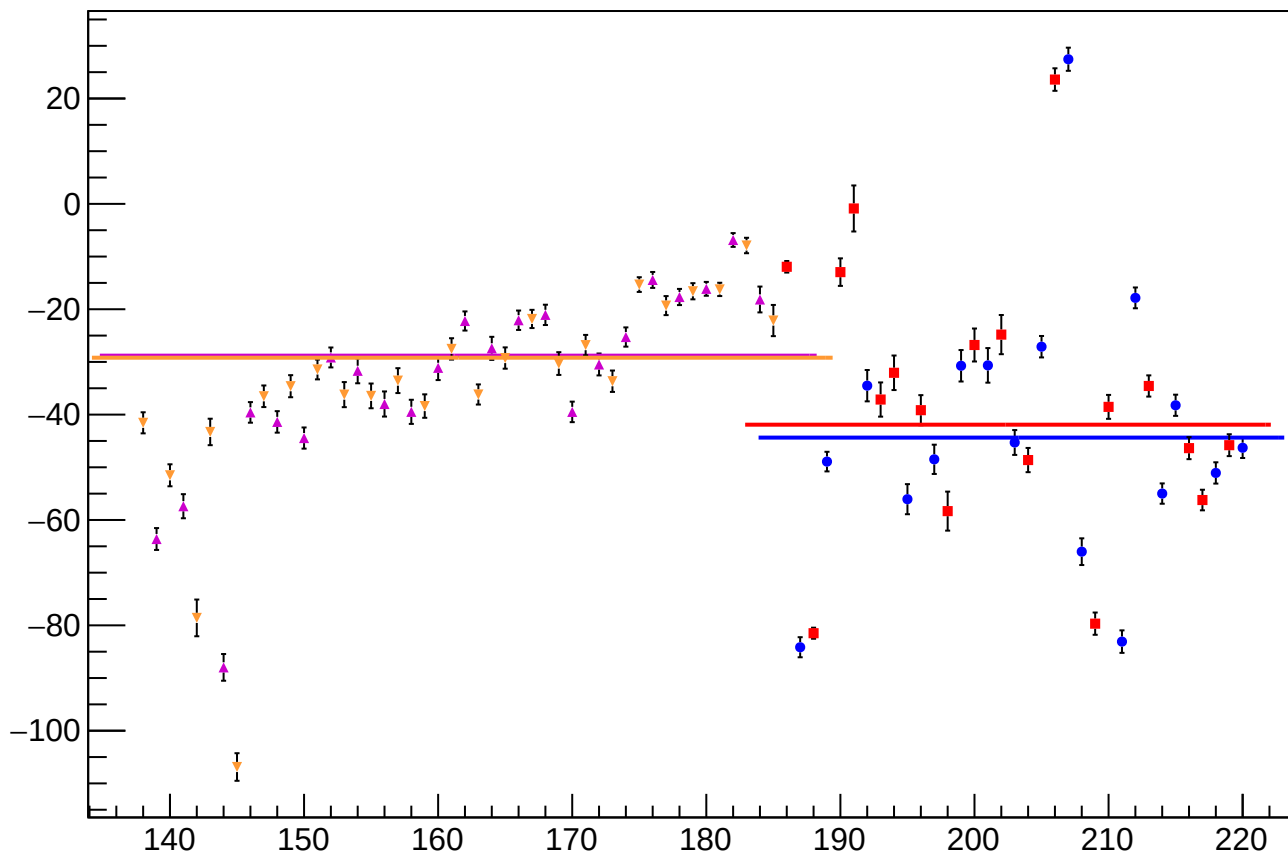
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 119.153 $\pm$ 0.035 χ^2 /NDF: 98189.9/58

All: 116.242 $\pm$ 0.024 χ^2 /NDF: 598748.6/118

- sign 113.451 $\pm$ 0.034 χ^2 /NDF: 486657.0/59

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -44.364 ± 0.541 χ^2/NDF : 2284.7/16

Left Out: -29.199 ± 0.389 χ^2/NDF : 1881.5/24

Right Out: -41.912 ± 0.483 χ^2/NDF : 3799.6/17

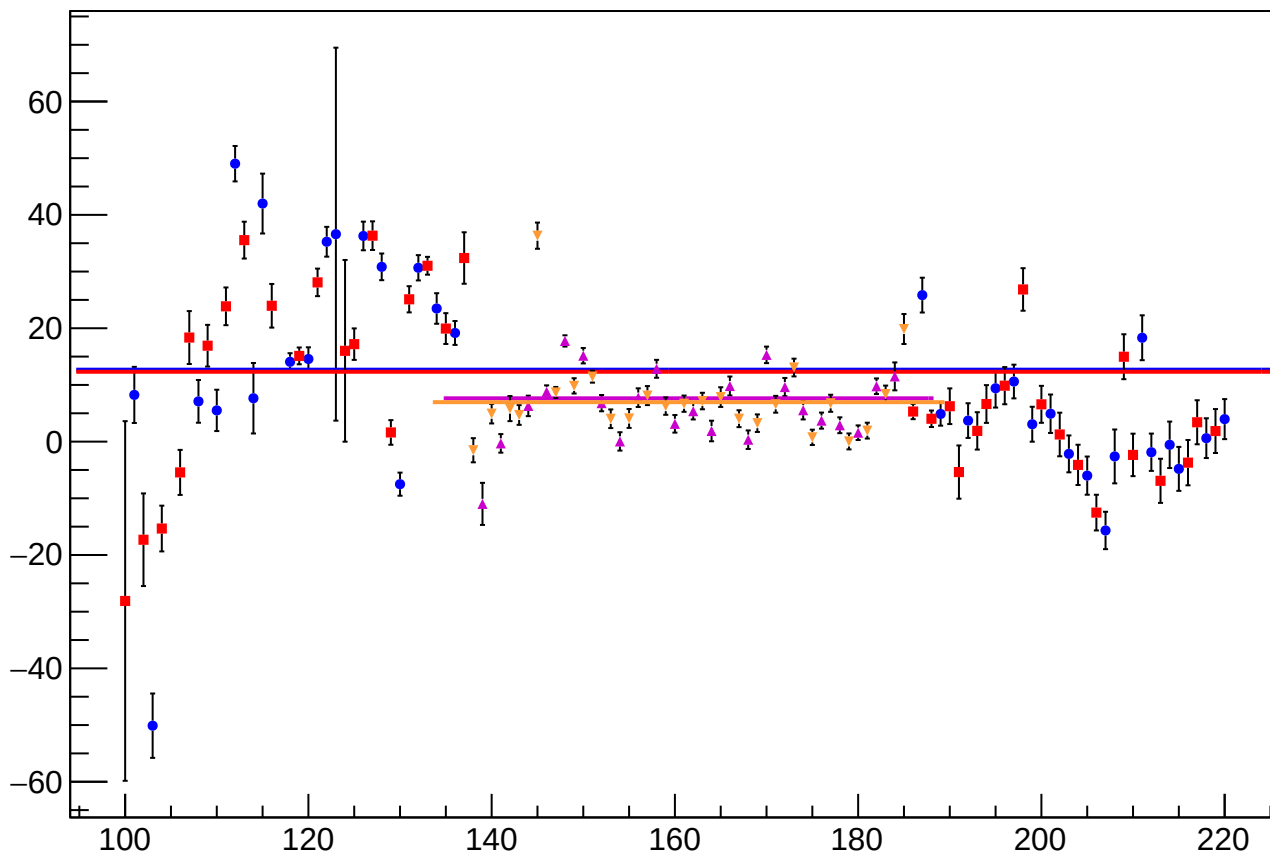
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -34.362 ± 0.316 χ^2/NDF : 4684.8/41

All: -34.210 ± 0.220 χ^2/NDF : 10689.4/82

- sign -34.067 ± 0.306 χ^2/NDF : 6004.2/40

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.691 ± 0.504 $\chi^2/\text{NDF}: 971.2/33$

Left Out: 6.960 ± 0.303 $\chi^2/\text{NDF}: 321.3/24$

Right Out: 12.326 ± 0.463 $\chi^2/\text{NDF}: 790.3/36$

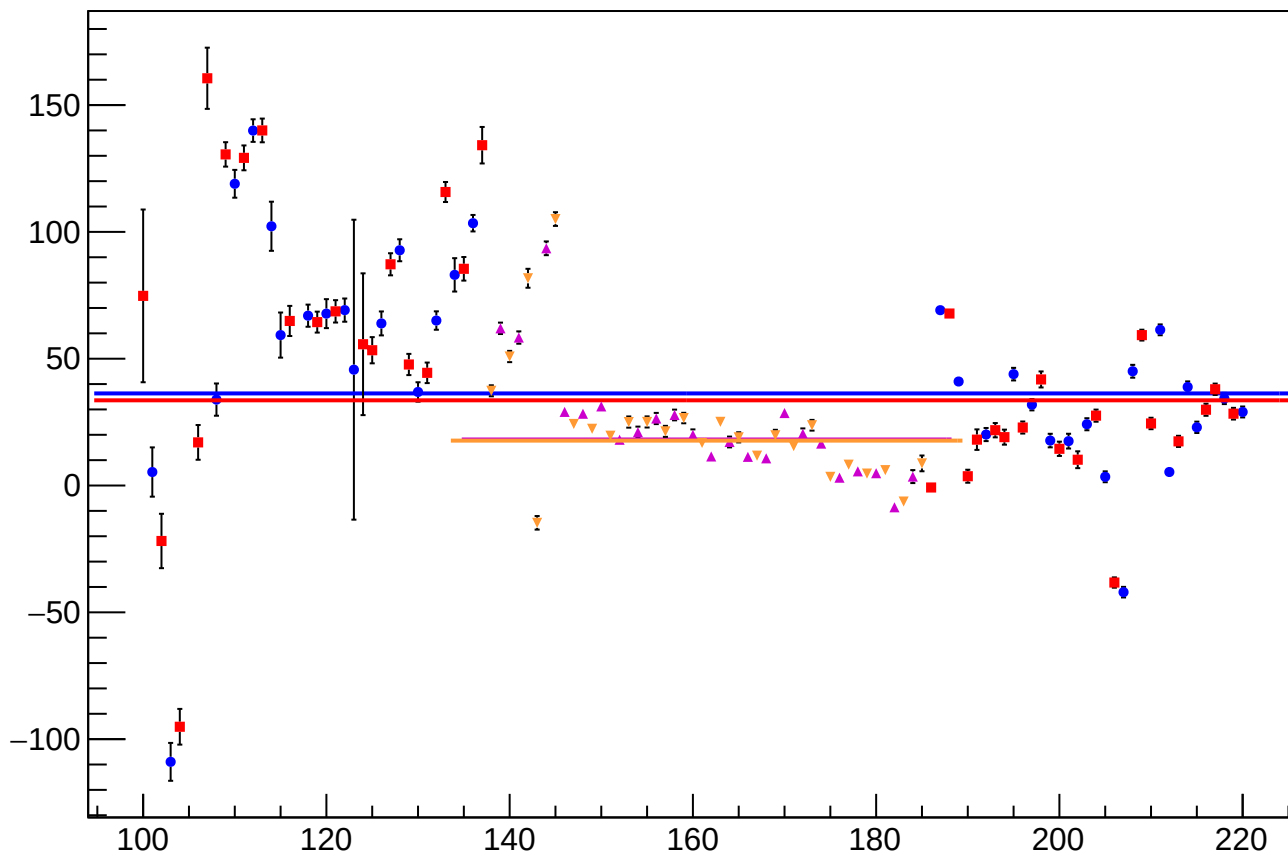
Left In: 7.638 ± 0.313 $\chi^2/\text{NDF}: 337.7/22$

+ sign 8.482 ± 0.260 $\chi^2/\text{NDF}: 1387.5/58$

All: 8.798 ± 0.184 $\chi^2/\text{NDF}: 2588.9/118$

- sign 9.113 ± 0.260 $\chi^2/\text{NDF}: 1198.4/59$

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 36.312 ± 0.482 $\chi^2/\text{NDF}: 4787.6/33$

Left Out: 17.705 ± 0.387 $\chi^2/\text{NDF}: 2432.2/24$

Right Out: 33.593 ± 0.411 $\chi^2/\text{NDF}: 7836.9/36$

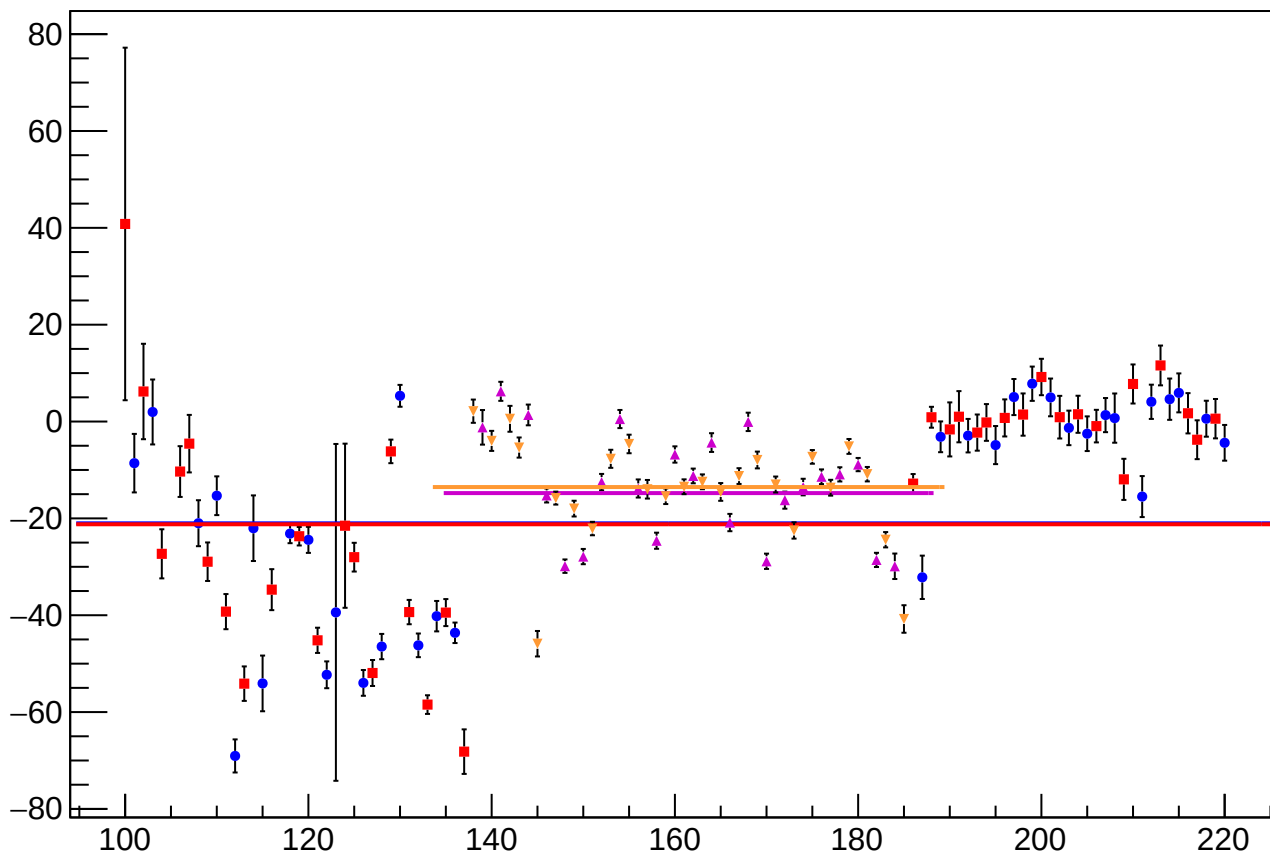
Left In: 18.150 ± 0.393 $\chi^2/\text{NDF}: 2339.4/22$

+ sign 25.012 ± 0.302 $\chi^2/\text{NDF}: 8126.4/58$

All: 25.277 ± 0.207 $\chi^2/\text{NDF}: 19041.9/118$

- sign 25.512 ± 0.284 $\chi^2/\text{NDF}: 10914.0/59$

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -21.024 ± 0.579 χ^2/NDF : 1566.7/33

Left Out: -13.531 ± 0.344 χ^2/NDF : 572.8/24

Right Out: -21.216 ± 0.553 χ^2/NDF : 1611.9/36

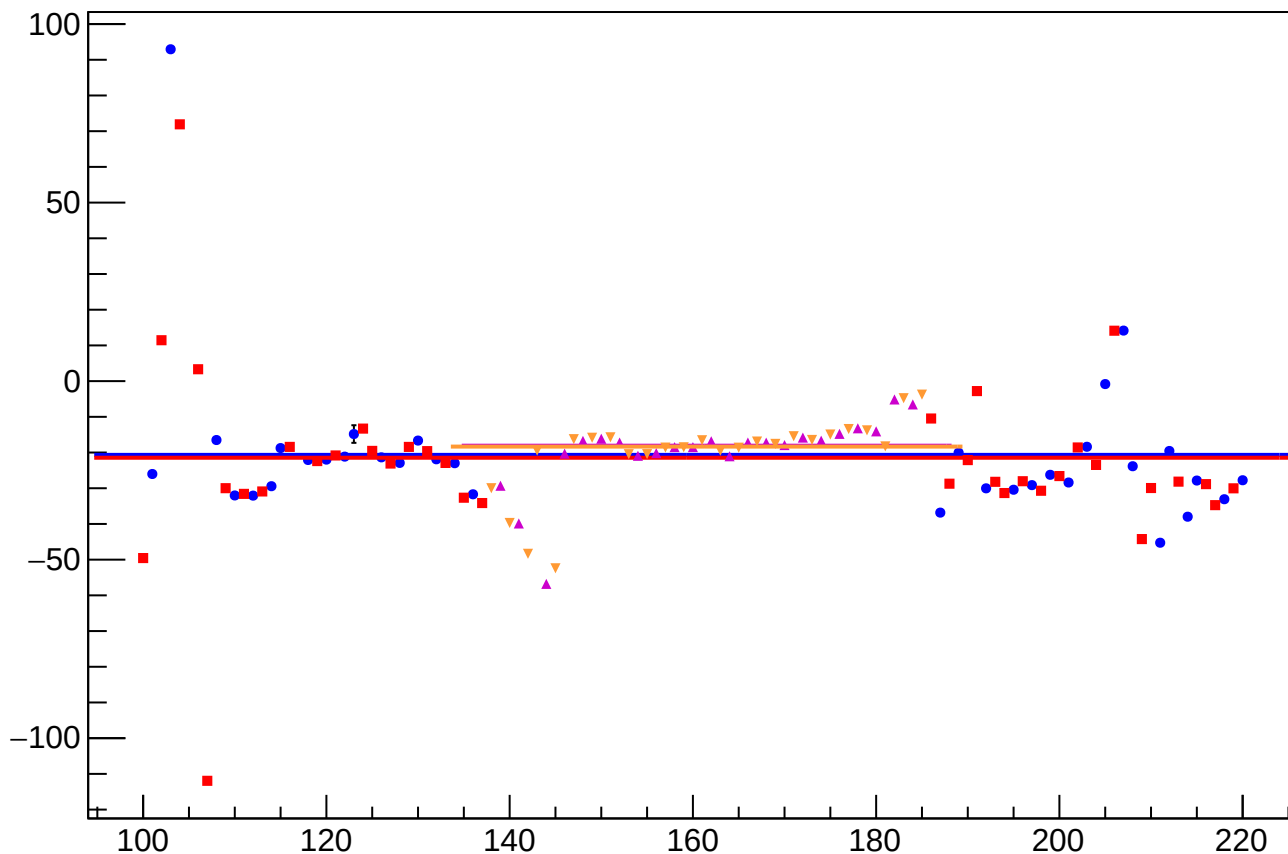
Left In: -14.778 ± 0.354 χ^2/NDF : 838.0/22

+ sign -15.487 ± 0.296 χ^2/NDF : 2263.4/58

All: -16.065 ± 0.210 χ^2/NDF : 4817.3/118

- sign -16.653 ± 0.298 χ^2/NDF : 2546.2/59

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.654 ± 0.028 $\chi^2/\text{NDF}: 624033.2/33$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -21.457 ± 0.027 $\chi^2/\text{NDF}: 584818.5/36$

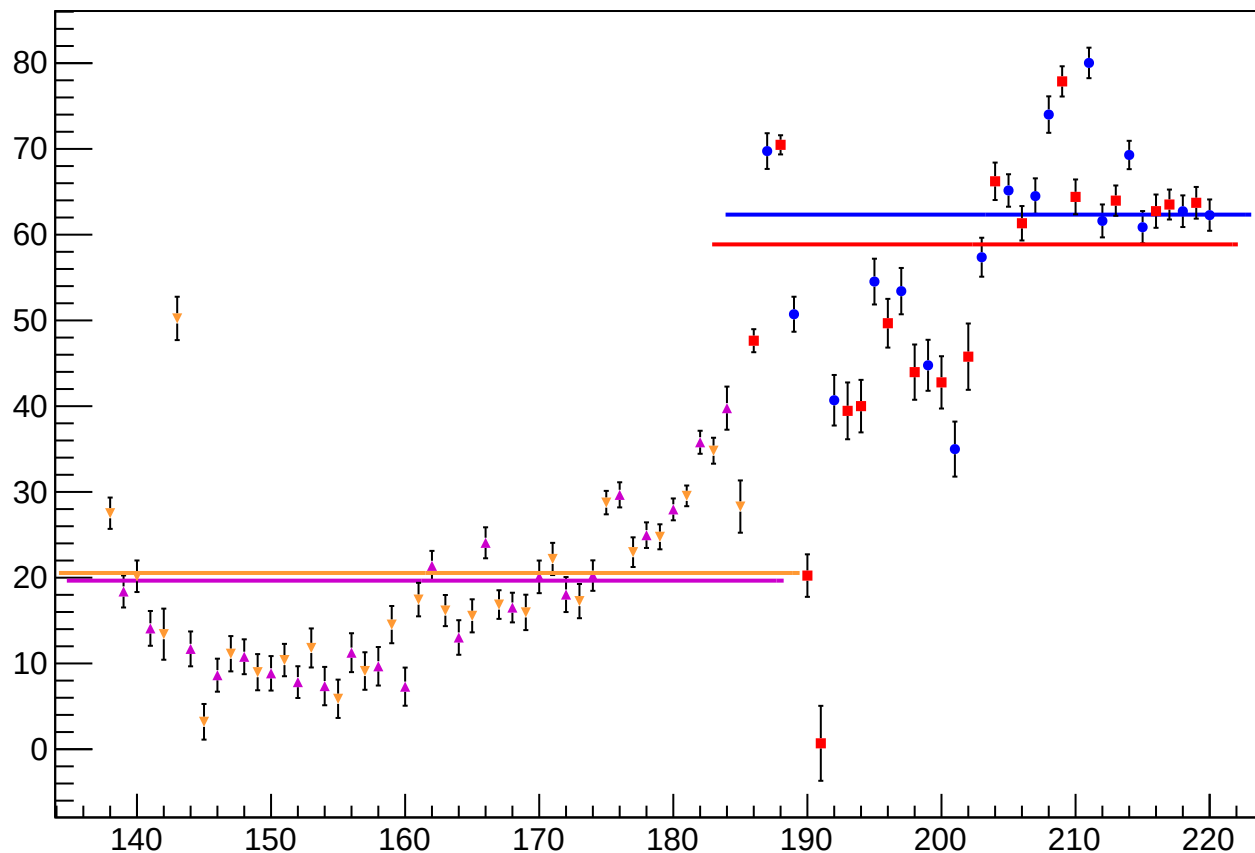
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.900 ± 0.014 $\chi^2/\text{NDF}: 913413.6/58$

All: -18.933 ± 0.010 $\chi^2/\text{NDF}: 1751699.4/118$

- sign -18.966 ± 0.014 $\chi^2/\text{NDF}: 838274.2/59$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 62.338 ± 0.511 χ^2/NDF : 381.5/16

Left Out: 20.550 ± 0.373 χ^2/NDF : 626.4/24

Right Out: 58.865 ± 0.477 χ^2/NDF : 903.7/17

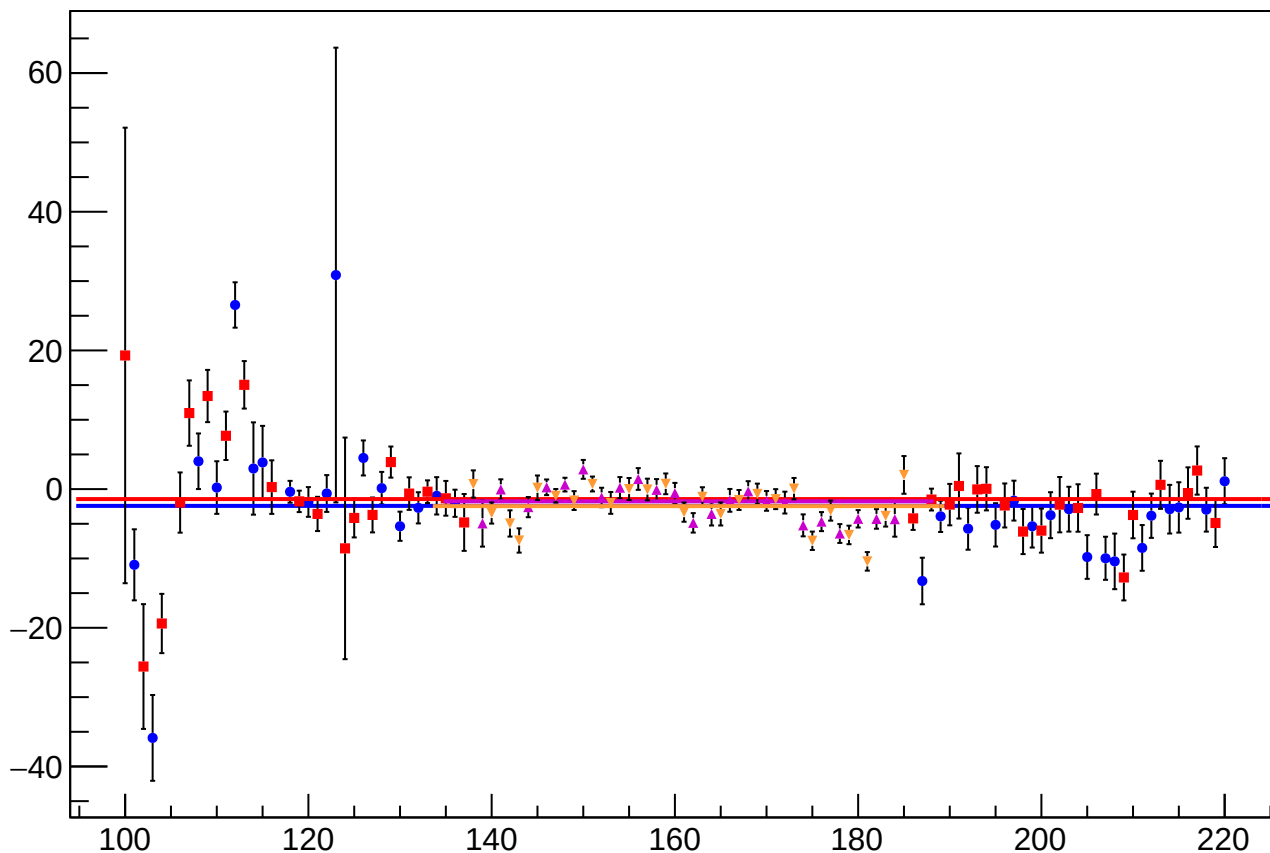
Left In: 19.656 ± 0.380 χ^2/NDF : 571.8/22

+ sign 35.077 ± 0.301 χ^2/NDF : 5369.6/41

All: 34.981 ± 0.212 χ^2/NDF : 10972.7/82

- sign 34.889 ± 0.297 χ^2/NDF : 5602.9/40

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.419 ± 0.501 χ^2/NDF : 163.8/33

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.437 ± 0.472 χ^2/NDF : 110.4/36

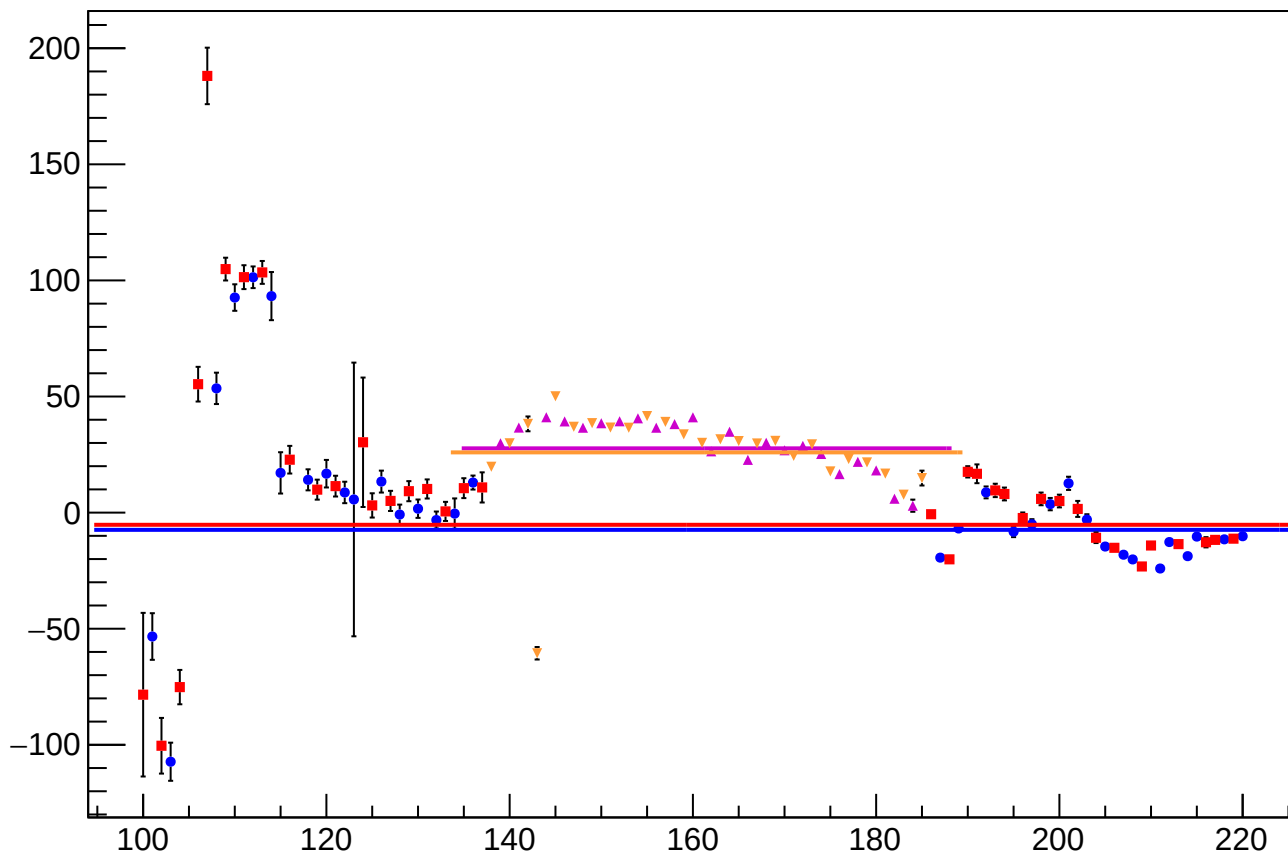
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.446 ± 0.252 χ^2/NDF : 269.8/58

All: -2.058 ± 0.179 χ^2/NDF : 452.7/118

- sign -1.665 ± 0.254 χ^2/NDF : 178.1/59

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -7.418 ± 0.465 χ^2/NDF : 1707.8/33

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -5.243 ± 0.418 χ^2/NDF : 2696.2/36

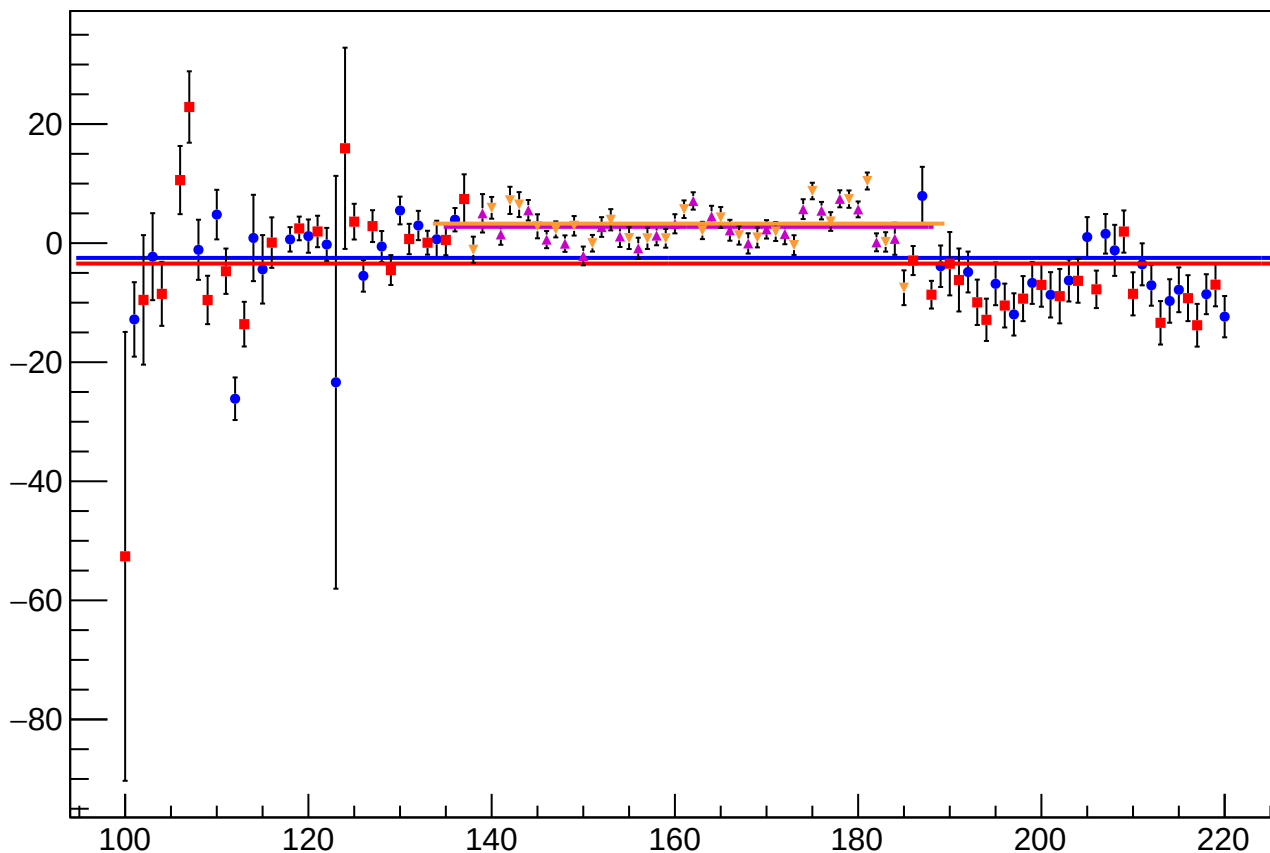
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 12.914 ± 0.291 χ^2/NDF : 6553.1/58

All: 12.882 ± 0.202 χ^2/NDF : 13464.9/118

- sign 12.852 ± 0.280 χ^2/NDF : 6911.7/59

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -2.481 ± 0.570 $\chi^2/\text{NDF}: 125.9/33$

Left Out: 3.283 ± 0.331 $\chi^2/\text{NDF}: 102.3/24$

Right Out: -3.431 ± 0.555 $\chi^2/\text{NDF}: 128.5/36$

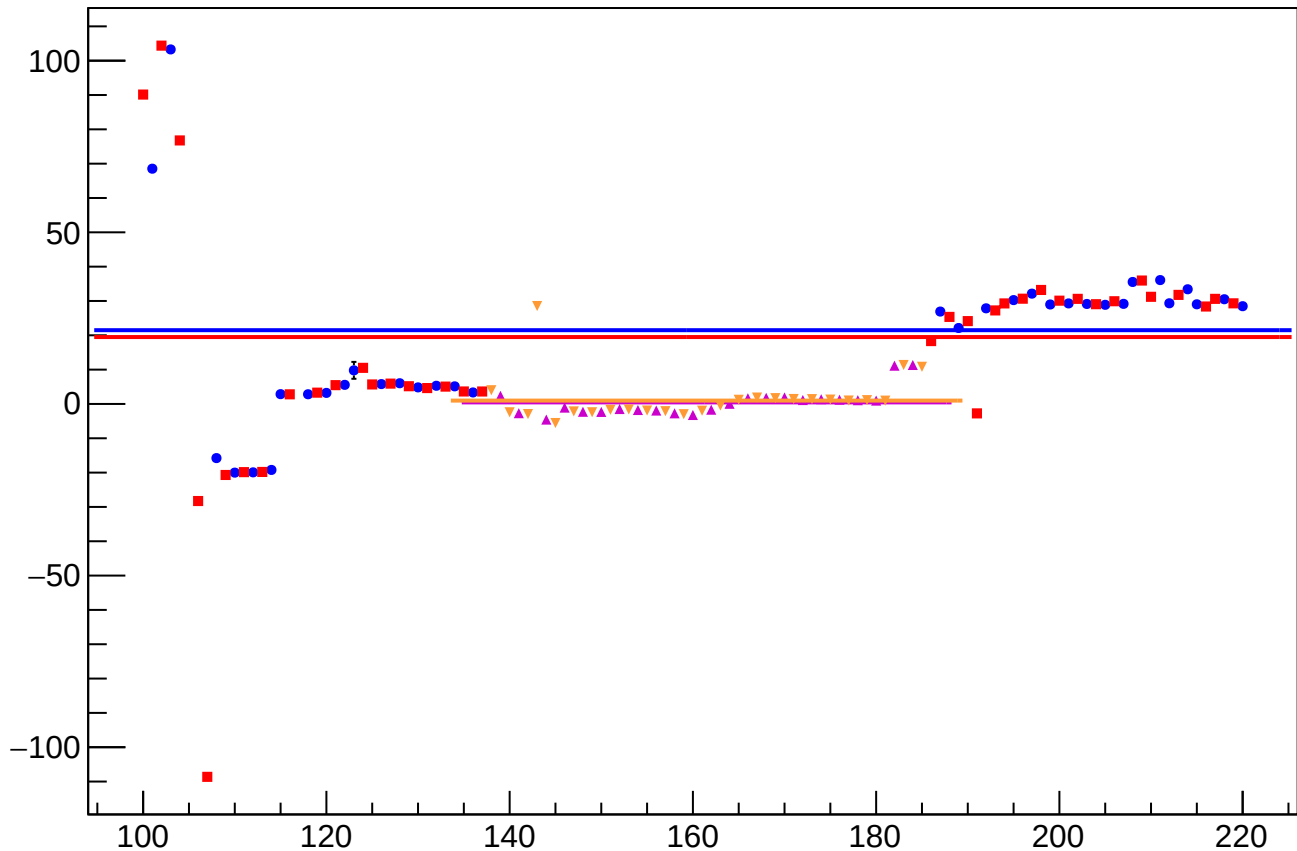
Left In: 2.738 ± 0.341 $\chi^2/\text{NDF}: 64.5/22$

+ sign 1.827 ± 0.287 $\chi^2/\text{NDF}: 304.5/58$

All: 1.443 ± 0.204 $\chi^2/\text{NDF}: 590.8/118$

- sign 1.048 ± 0.291 $\chi^2/\text{NDF}: 282.6/59$

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.490 $\pm$ 0.027 χ^2 /NDF: 517548.0/33

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF: 117391.3/24

Right Out: 19.491 $\pm$ 0.027 χ^2 /NDF: 751955.1/36

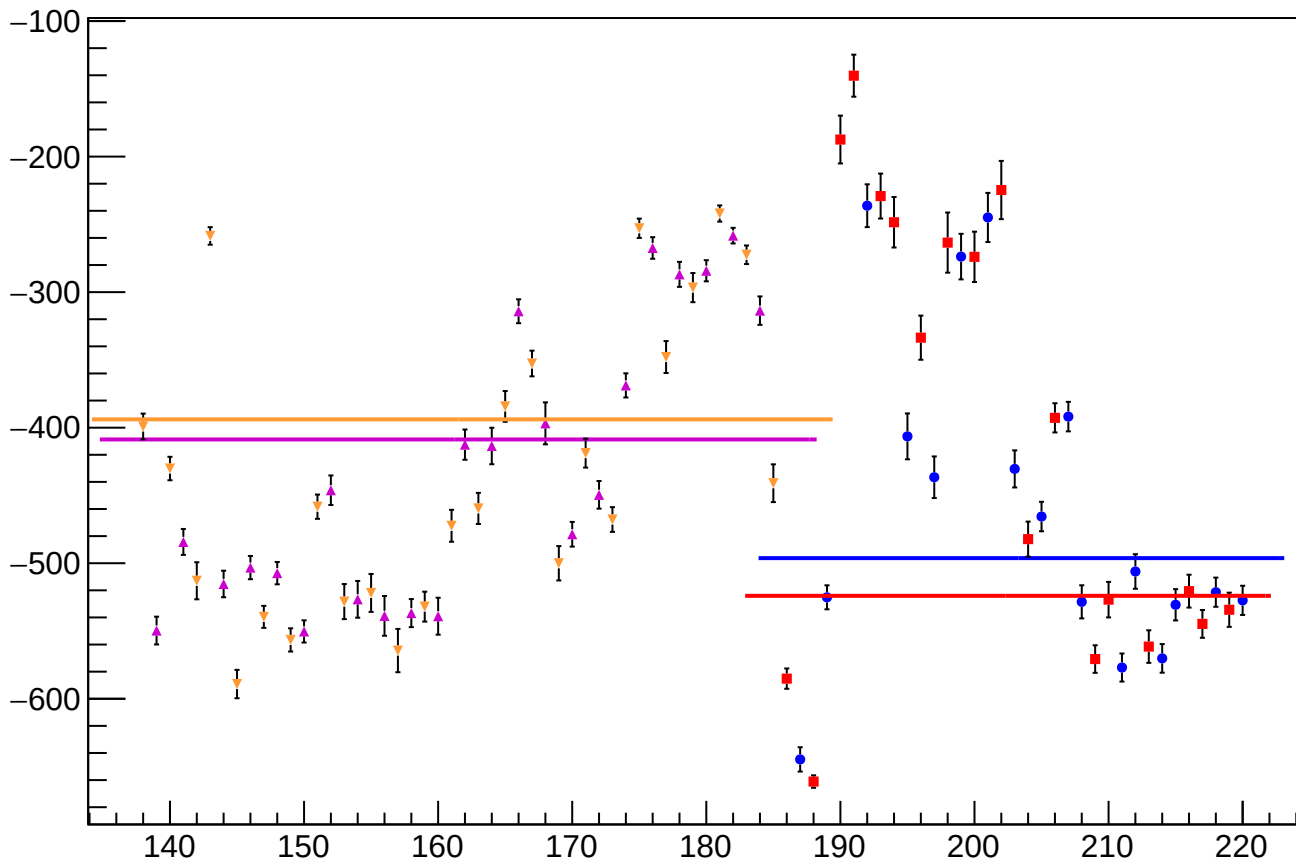
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 5.868 $\pm$ 0.013 χ^2 /NDF: 1069492.4/58

All: 5.564 $\pm$ 0.009 χ^2 /NDF: 2257324.6/118

- sign 5.255 $\pm$ 0.013 χ^2 /NDF: 1186770.1/59

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -496.240 ± 2.867 $\chi^2/\text{NDF}: 1230.2/16$

Left Out: -393.871 ± 1.897 $\chi^2/\text{NDF}: 3772.8/24$

Right Out: -524.047 ± 2.586 $\chi^2/\text{NDF}: 3313.5/17$

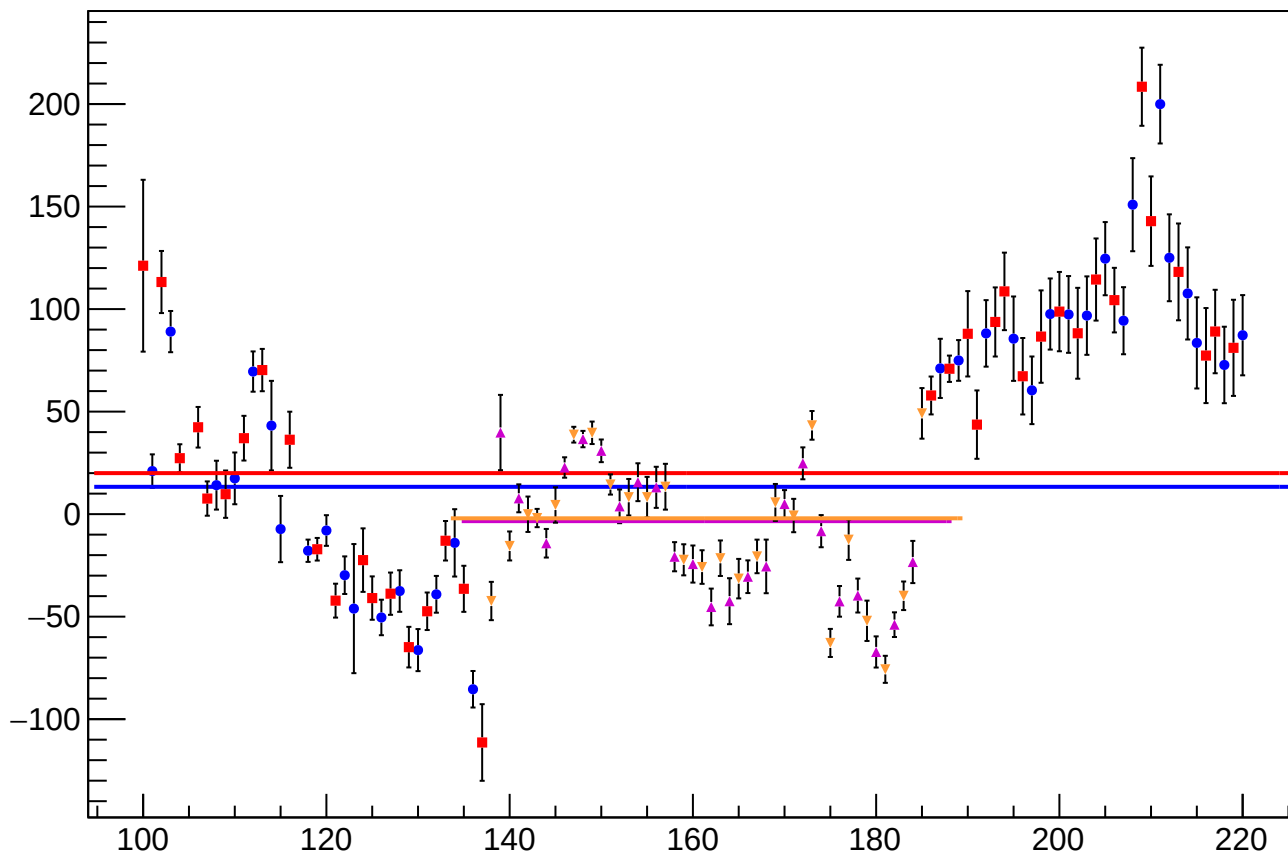
Left In: -408.696 ± 1.979 $\chi^2/\text{NDF}: 3062.9/22$

+ sign -425.038 ± 1.582 $\chi^2/\text{NDF}: 5889.6/41$

All: -438.260 ± 1.115 $\chi^2/\text{NDF}: 13659.7/82$

- sign -451.306 ± 1.572 $\chi^2/\text{NDF}: 7631.4/40$

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 13.319+/-2.052 χ^2/NDF : 893.9/33

Left Out: -2.037+/-1.424 χ^2/NDF : 563.8/24

Right Out: 20.000+/-1.915 χ^2/NDF : 866.6/36

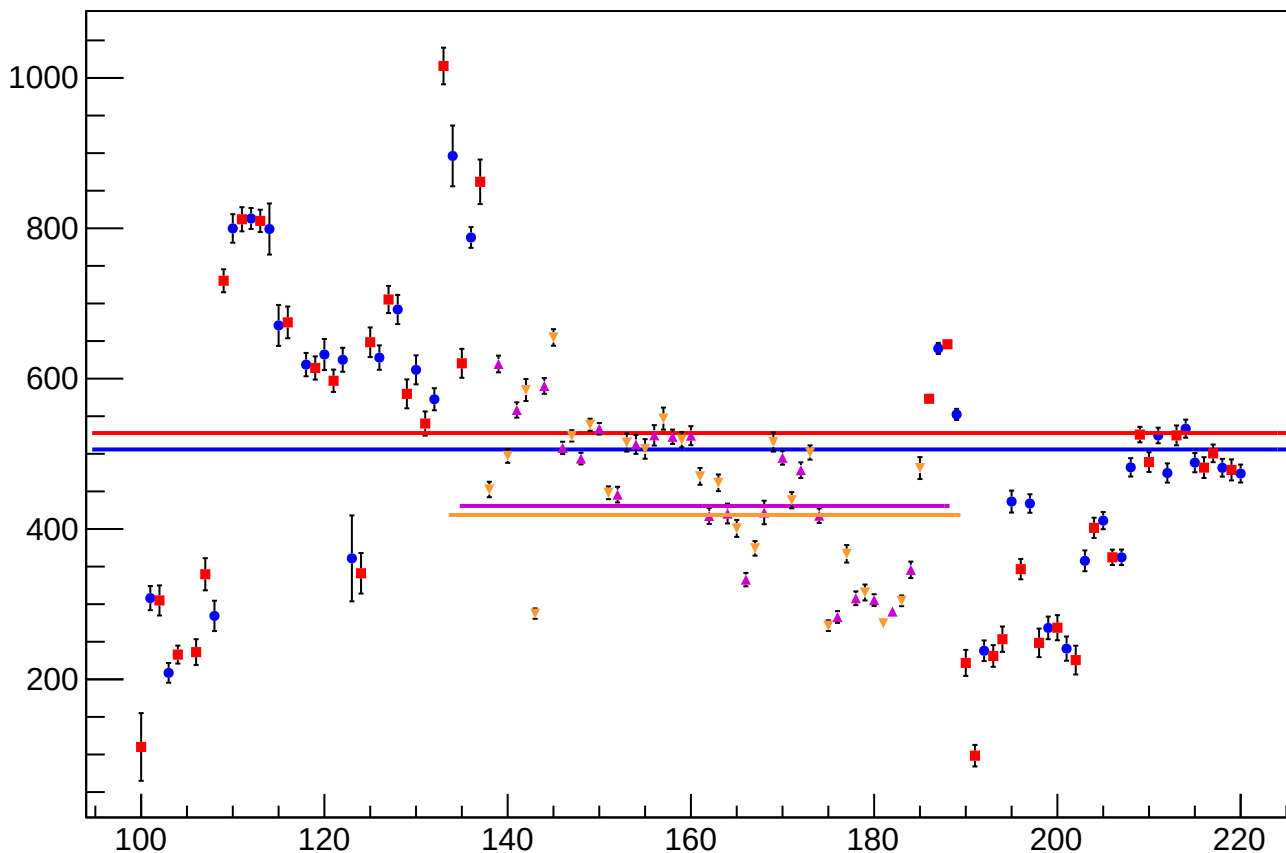
Left In: -3.420+/-1.520 χ^2/NDF : 451.0/22

+ sign 2.956+/-1.170 χ^2/NDF : 1495.4/58

All: 4.269+/-0.835 χ^2/NDF : 2907.3/118

- sign 5.630+/-1.191 χ^2/NDF : 1409.3/59

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 505.798 ± 2.320 $\chi^2/\text{NDF}: 4216.8/33$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 527.637 ± 2.023 $\chi^2/\text{NDF}: 7118.8/36$

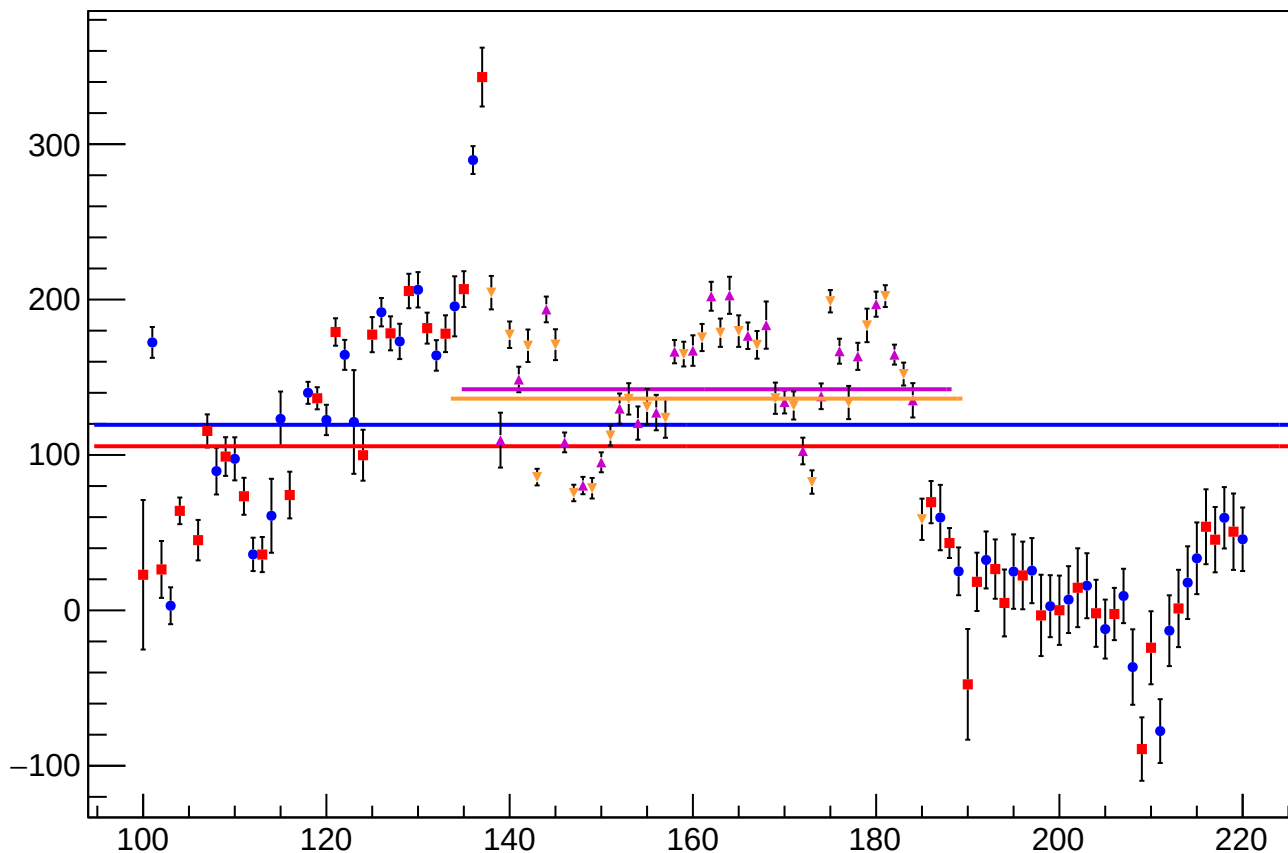
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 453.767 ± 1.472 $\chi^2/\text{NDF}: 8355.8/58$

All: 466.325 ± 1.019 $\chi^2/\text{NDF}: 19644.4/118$

- sign 477.871 ± 1.412 $\chi^2/\text{NDF}: 11149.0/59$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 119.416 $\pm$ 2.378 χ^2/NDF : 1270.2/33

Left Out: 136.258 $\pm$ 1.651 χ^2/NDF : 758.3/24

Right Out: 105.616 $\pm$ 2.266 χ^2/NDF : 1119.7/36

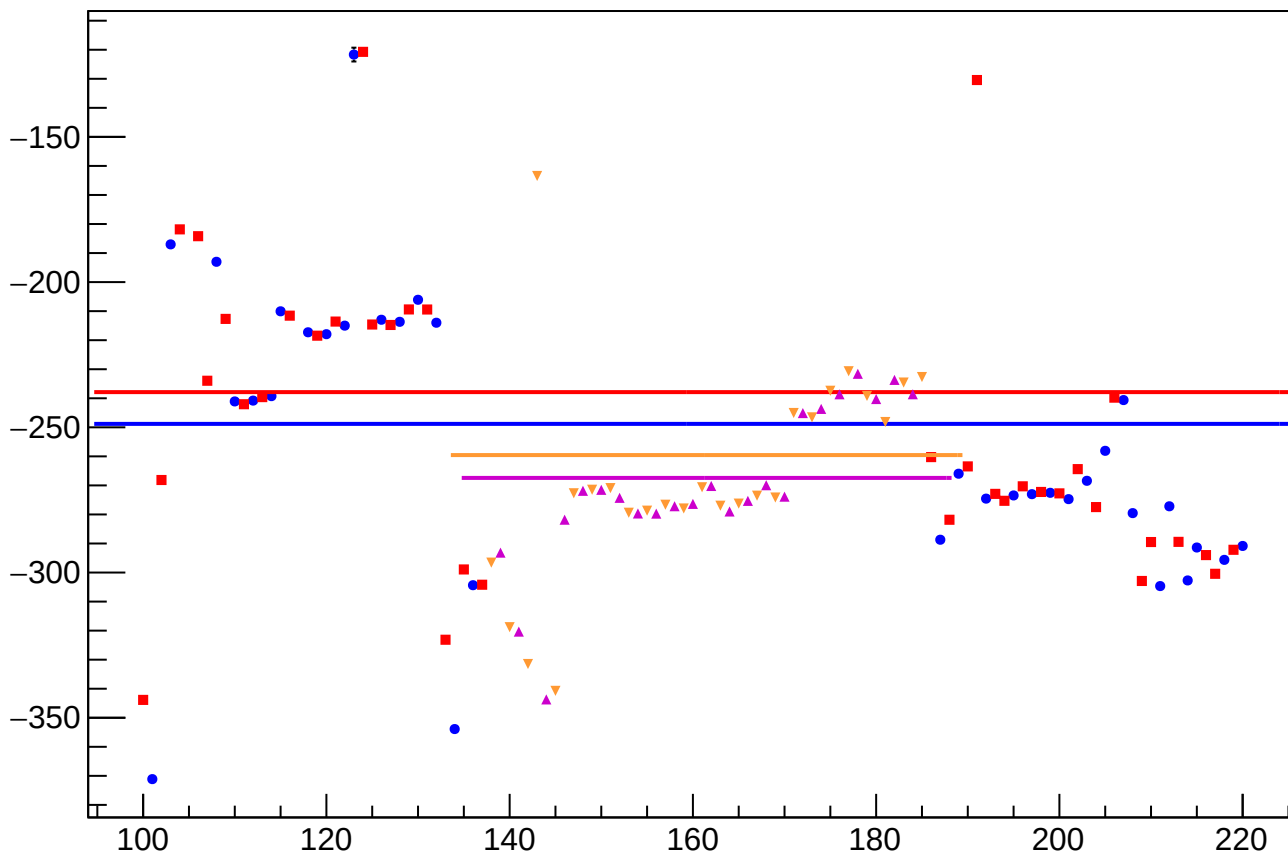
Left In: 142.296 $\pm$ 1.745 χ^2/NDF : 459.8/22

+ sign 130.782 $\pm$ 1.356 χ^2/NDF : 2062.4/58

All: 129.734 $\pm$ 0.968 χ^2/NDF : 3807.6/118

- sign 128.646 $\pm$ 1.382 χ^2/NDF : 1744.0/59

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -248.815 ± 0.119 $\chi^2/\text{NDF}: 175526.0/33$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -237.880 ± 0.111 $\chi^2/\text{NDF}: 189121.1/36$

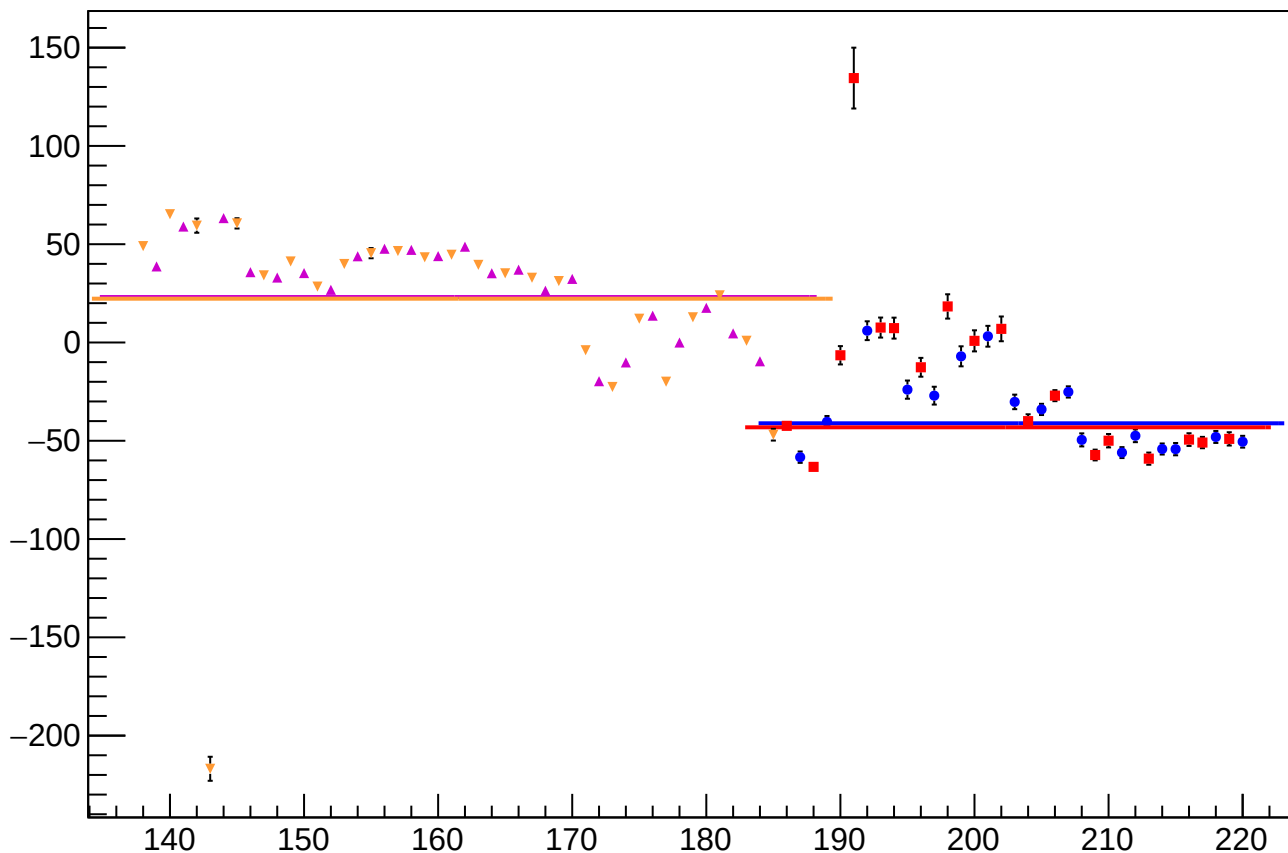
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -256.253 ± 0.066 $\chi^2/\text{NDF}: 419435.2/58$

All: -256.661 ± 0.047 $\chi^2/\text{NDF}: 752492.7/118$

- sign -257.069 ± 0.066 $\chi^2/\text{NDF}: 332980.6/59$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.113 ± 0.810 $\chi^2/\text{NDF}: 409.2/16$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -43.153 ± 0.740 $\chi^2/\text{NDF}: 923.4/17$

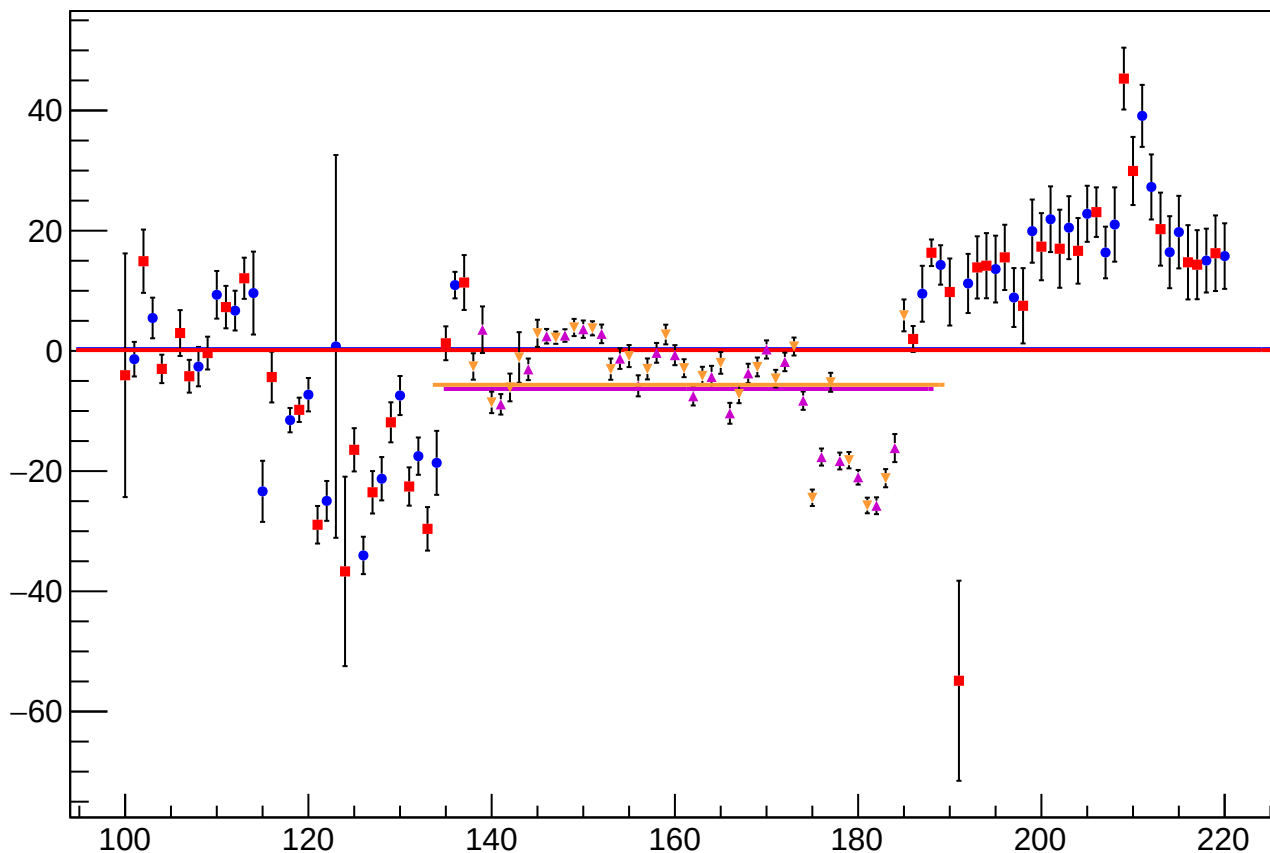
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 9.906 ± 0.358 $\chi^2/\text{NDF}: 10513.0/41$

All: 8.972 ± 0.251 $\chi^2/\text{NDF}: 20394.4/82$

- sign 8.063 ± 0.353 $\chi^2/\text{NDF}: 9868.0/40$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 0.290 ± 0.662 χ^2/NDF : 611.2/33

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: 0.132 ± 0.616 χ^2/NDF : 632.0/36

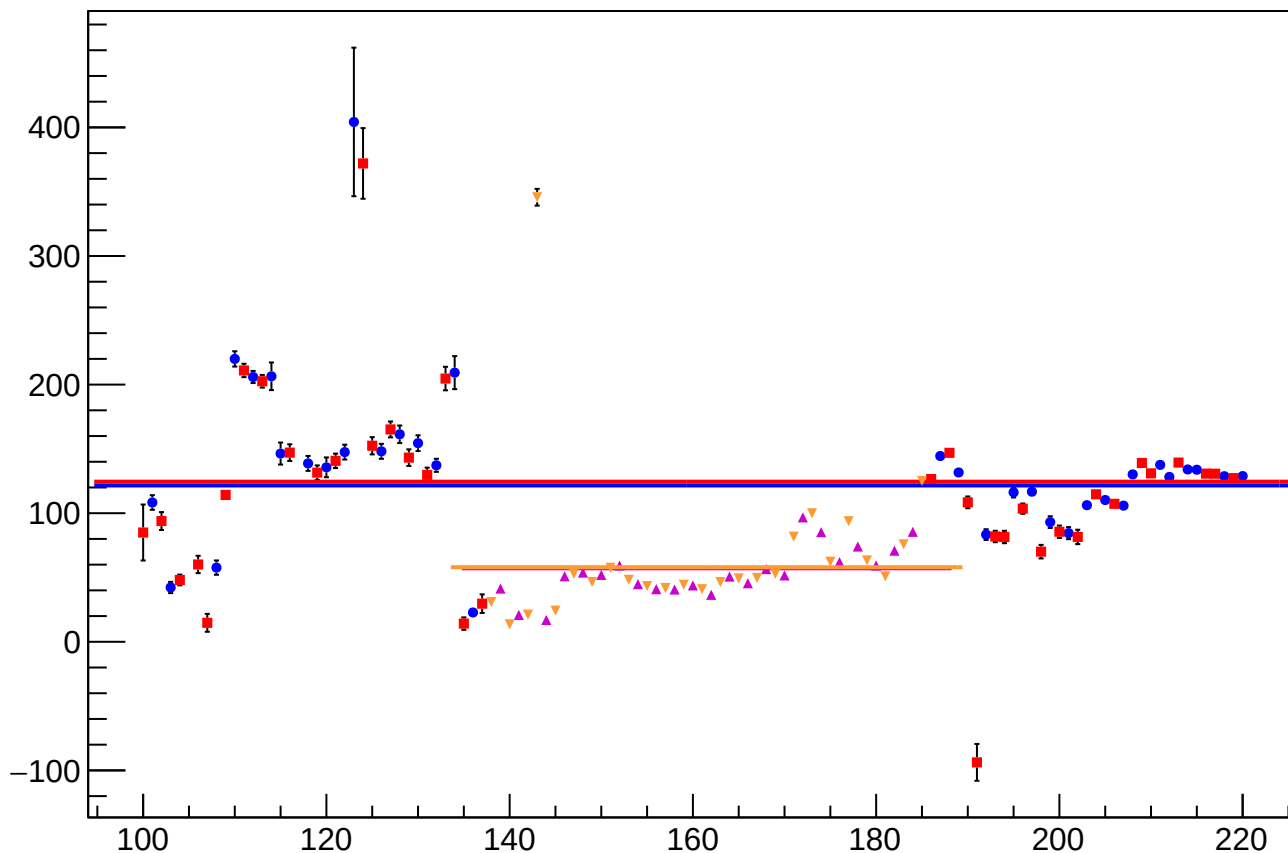
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -4.543 ± 0.285 χ^2/NDF : 1570.4/58

All: -4.749 ± 0.201 χ^2/NDF : 3073.1/118

- sign -4.954 ± 0.285 χ^2/NDF : 1501.6/59

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 121.561 $\pm$ 0.688 χ^2 /NDF: 2612.7/33

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 124.520 $\pm$ 0.603 χ^2 /NDF: 3279.8/36

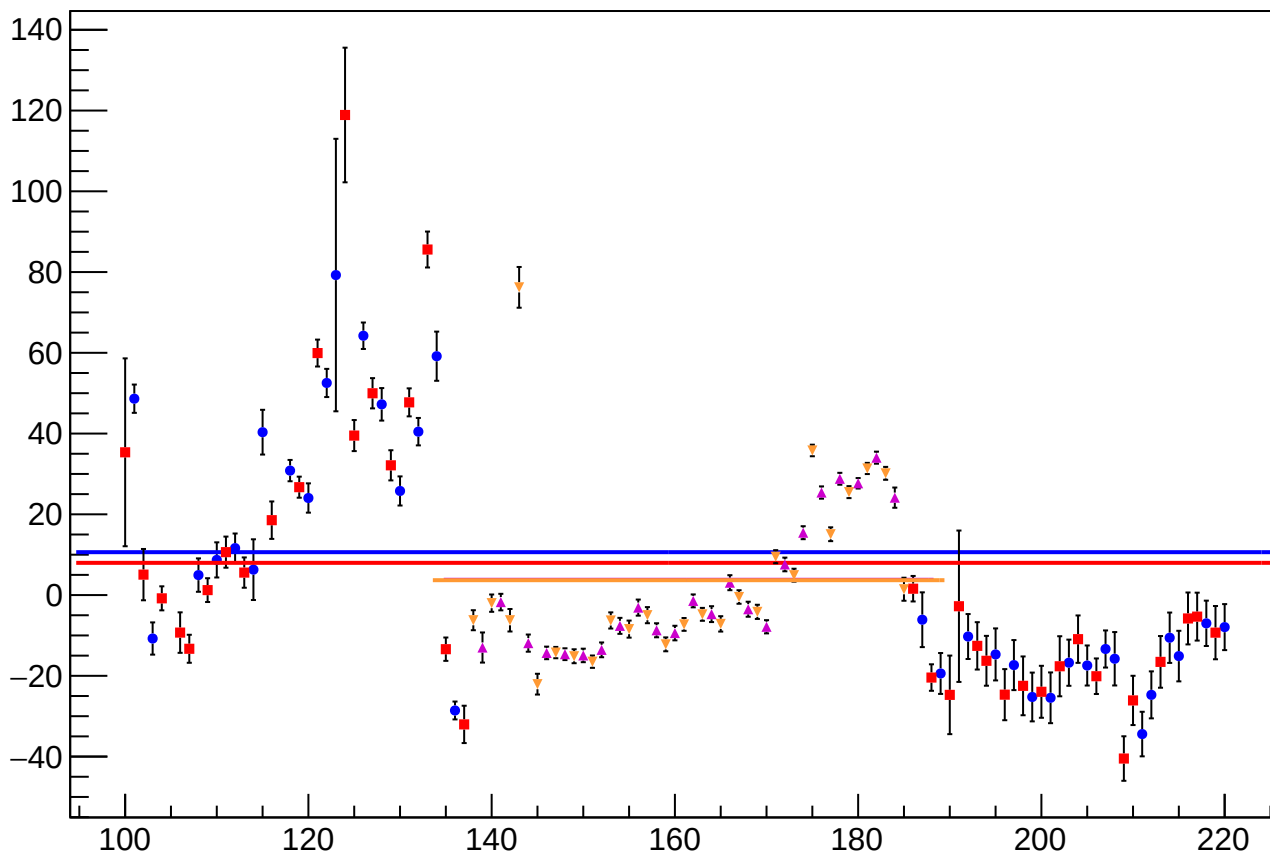
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 73.932 $\pm$ 0.344 χ^2 /NDF: 13648.3/58

All: 75.889 $\pm$ 0.239 χ^2 /NDF: 27479.8/118

- sign 77.718 $\pm$ 0.333 χ^2 /NDF: 13769.1/59

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 10.623 ± 0.757 χ^2/NDF : 1630.2/33

Left Out: 3.684 ± 0.357 χ^2/NDF : 2541.7/24

Right Out: 7.981 ± 0.725 χ^2/NDF : 1599.1/36

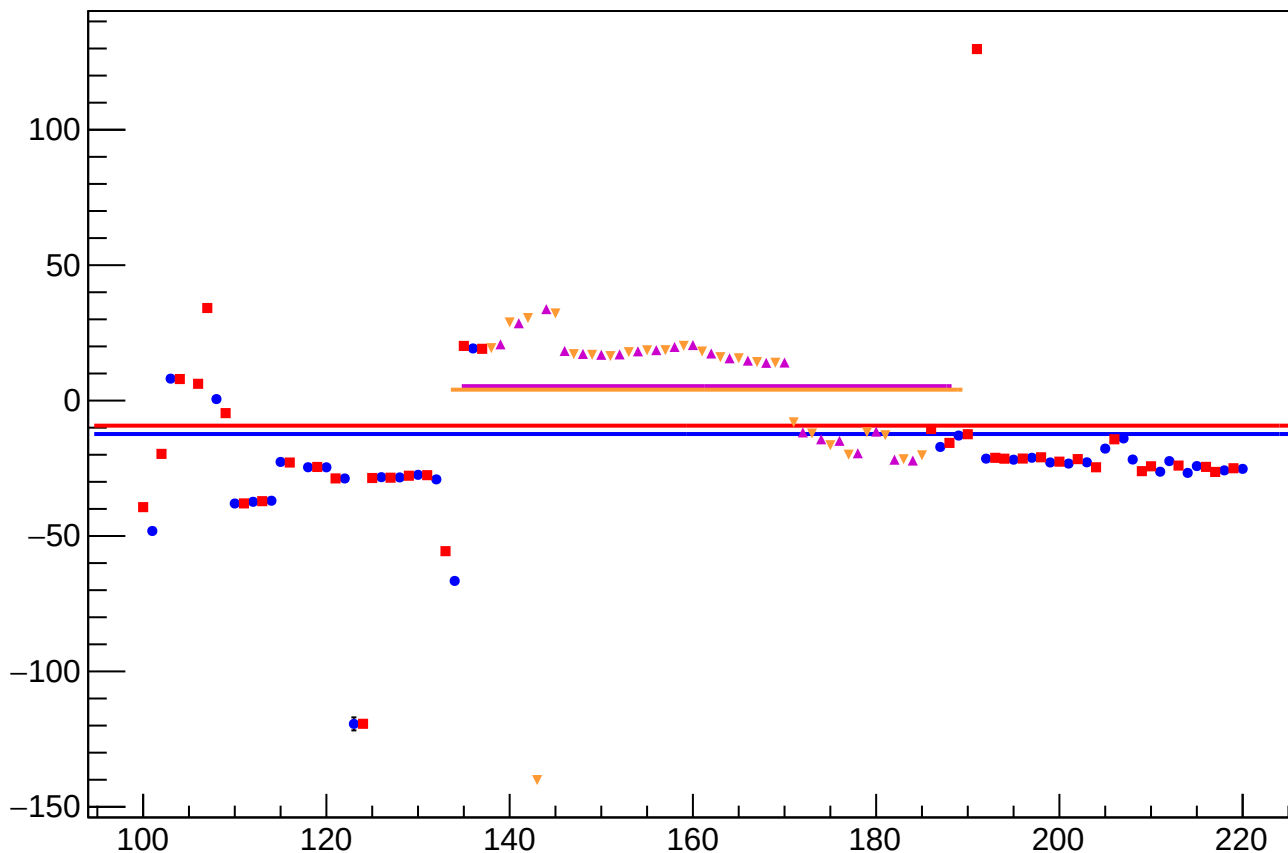
Left In: 3.786 ± 0.362 χ^2/NDF : 2198.8/22

+ sign 4.947 ± 0.323 χ^2/NDF : 4240.7/58

All: 4.785 ± 0.229 χ^2/NDF : 8065.9/118

- sign 4.622 ± 0.324 χ^2/NDF : 3824.7/59

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.348 ± 0.036 χ^2/NDF : 310206.7/33

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -9.259 ± 0.035 χ^2/NDF : 403282.2/36

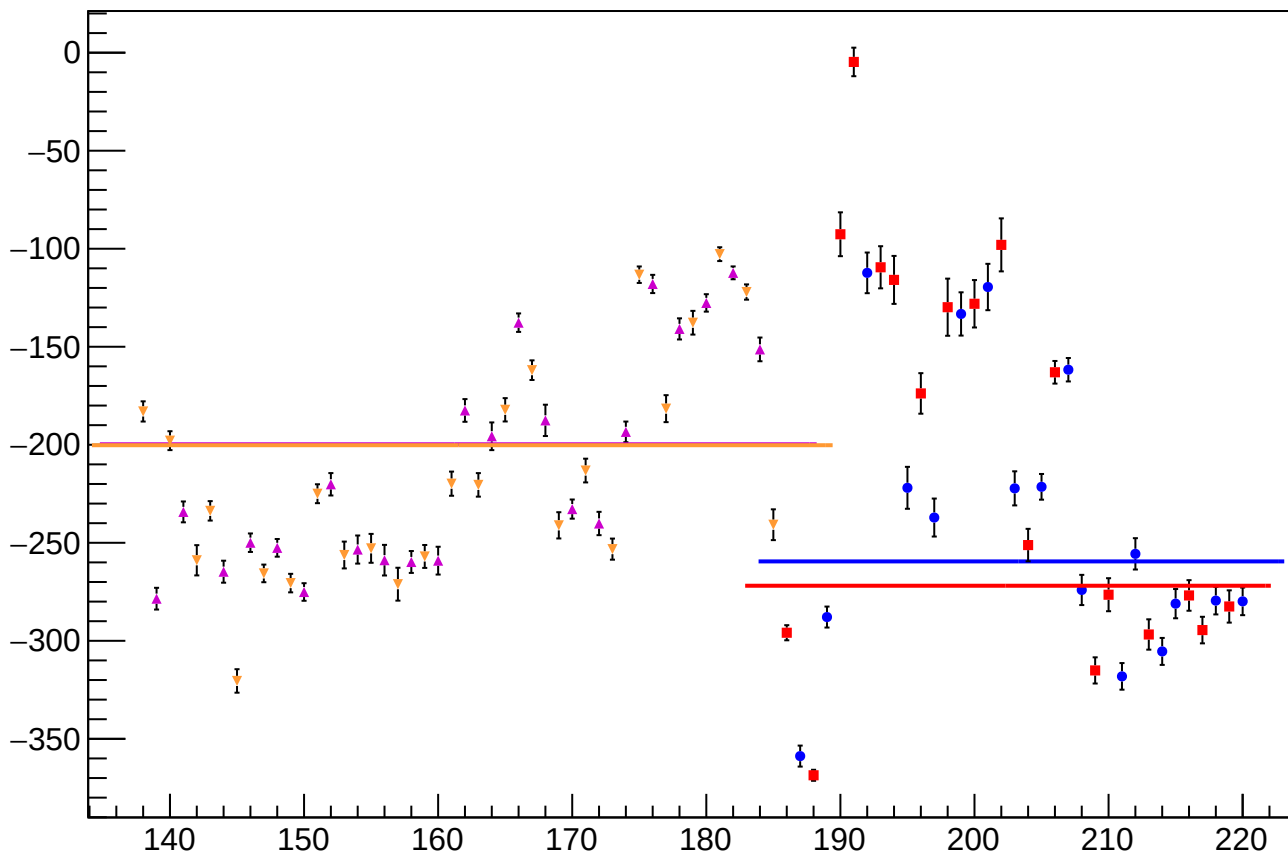
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.166 ± 0.015 χ^2/NDF : 1868193.3/58

All: 1.931 ± 0.011 χ^2/NDF : 3497388.7/118

- sign 2.696 ± 0.015 χ^2/NDF : 1623903.8/59

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -259.495 $\pm$ 1.790 χ^2 /NDF: 1329.1/16

Left Out: -200.228 $\pm$ 1.078 χ^2 /NDF: 3225.0/24

Right Out: -271.908 $\pm$ 1.556 χ^2 /NDF: 4136.0/17

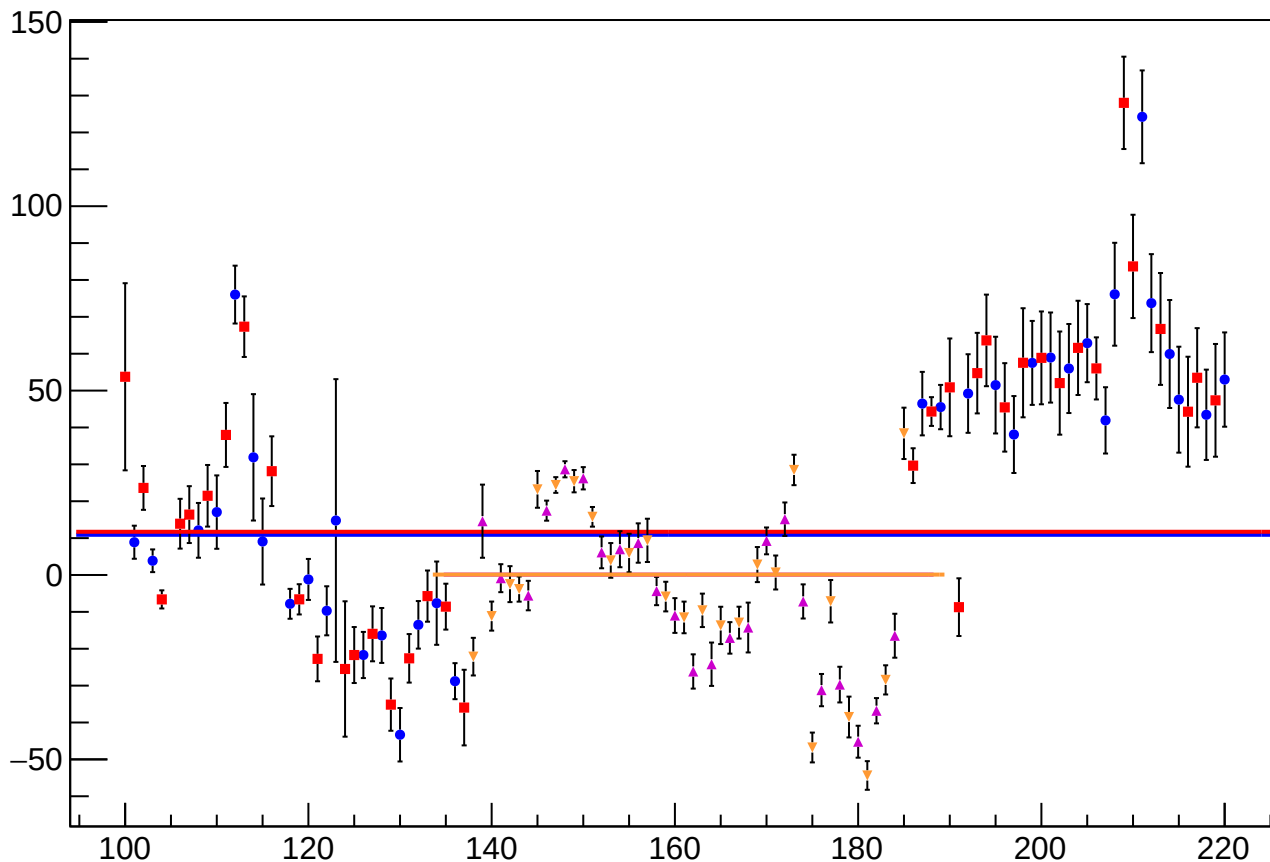
Left In: -199.739 $\pm$ 1.097 χ^2 /NDF: 2968.0/22

+ sign -215.993 $\pm$ 0.923 χ^2 /NDF: 5358.3/41

All: -219.967 $\pm$ 0.643 χ^2 /NDF: 13935.2/82

- sign -223.715 $\pm$ 0.897 χ^2 /NDF: 8540.8/40

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.899+/-1.280 χ^2/NDF : 614.3/33

Left Out: 0.109+/-0.807 χ^2/NDF : 831.2/24

Right Out: 11.722+/-1.168 χ^2/NDF : 682.6/36

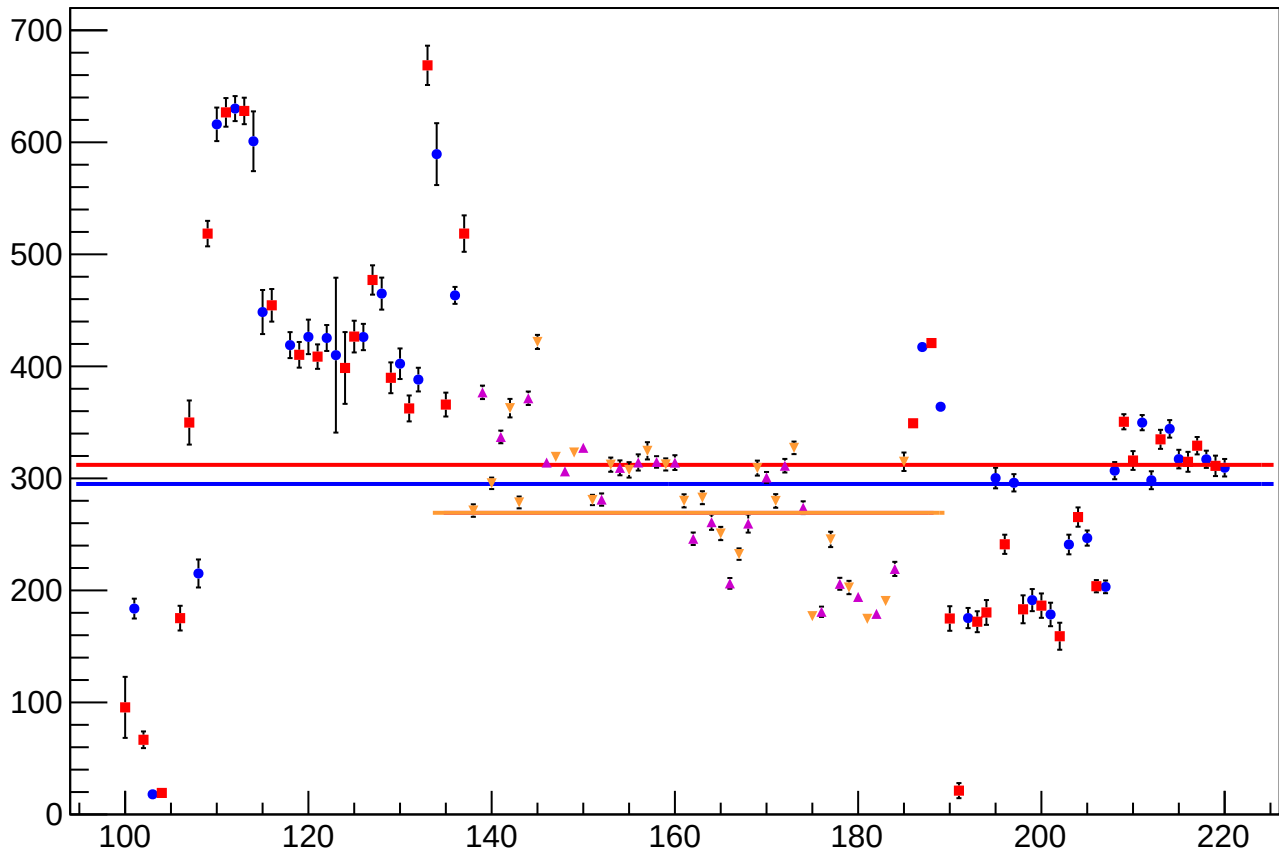
Left In: 0.097+/-0.838 χ^2/NDF : 715.5/22

+ sign 3.178+/-0.683 χ^2/NDF : 1496.3/58

All: 3.613+/-0.482 χ^2/NDF : 2960.6/118

- sign 4.046+/-0.681 χ^2/NDF : 1463.5/59

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 295.007 ± 1.404 $\chi^2/\text{NDF}: 9657.5/33$

Left Out: 269.278 ± 1.078 $\chi^2/\text{NDF}: 3146.7/24$

Right Out: 312.067 ± 1.203 $\chi^2/\text{NDF}: 14408.7/36$

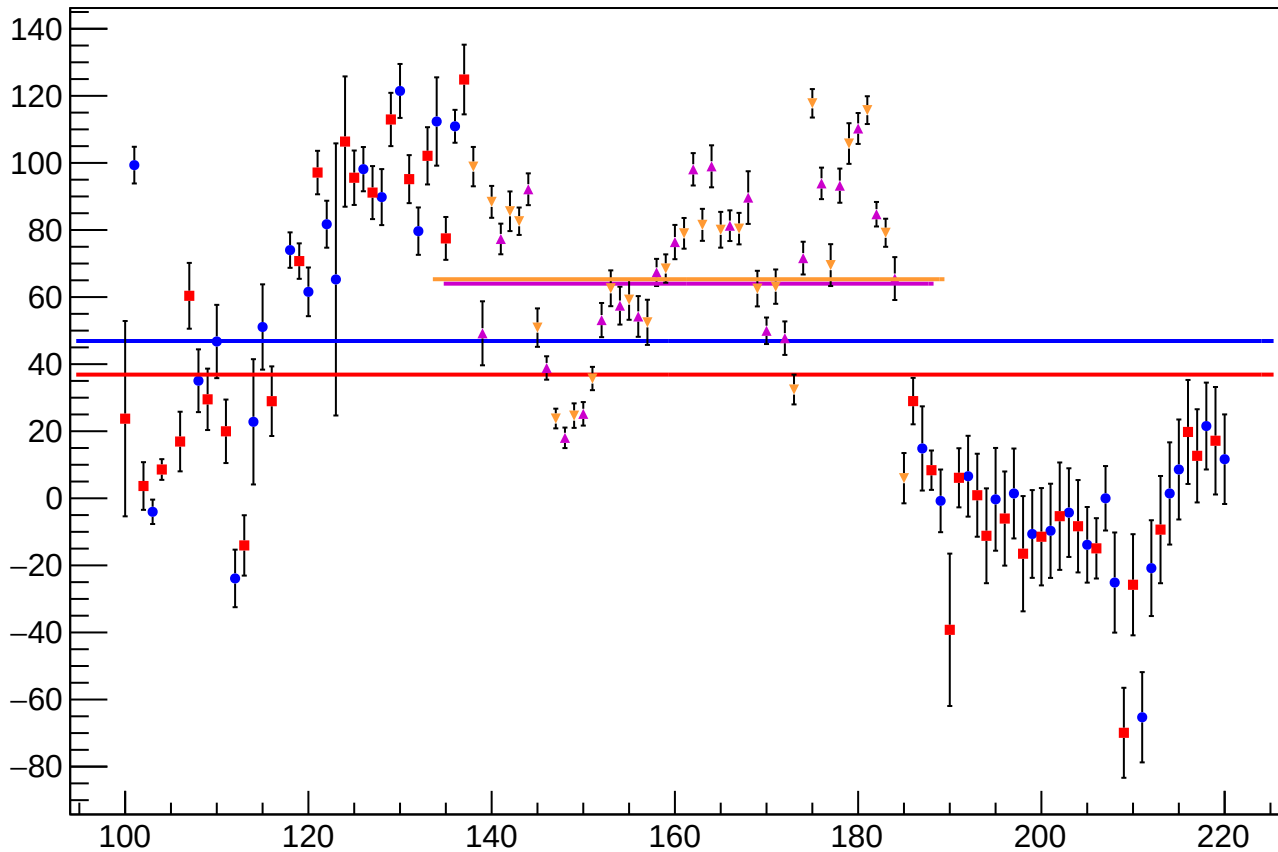
Left In: 269.191 ± 1.091 $\chi^2/\text{NDF}: 3170.2/22$

+ sign 278.820 ± 0.855 $\chi^2/\text{NDF}: 13015.6/58$

All: 283.944 ± 0.587 $\chi^2/\text{NDF}: 31359.6/118$

- sign 288.525 ± 0.808 $\chi^2/\text{NDF}: 18275.9/59$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 46.903 ± 1.487 $\chi^2/\text{NDF}: 1113.7/33$

Left Out: 65.323 ± 0.935 $\chi^2/\text{NDF}: 1007.1/24$

Right Out: 36.883 ± 1.403 $\chi^2/\text{NDF}: 965.6/36$

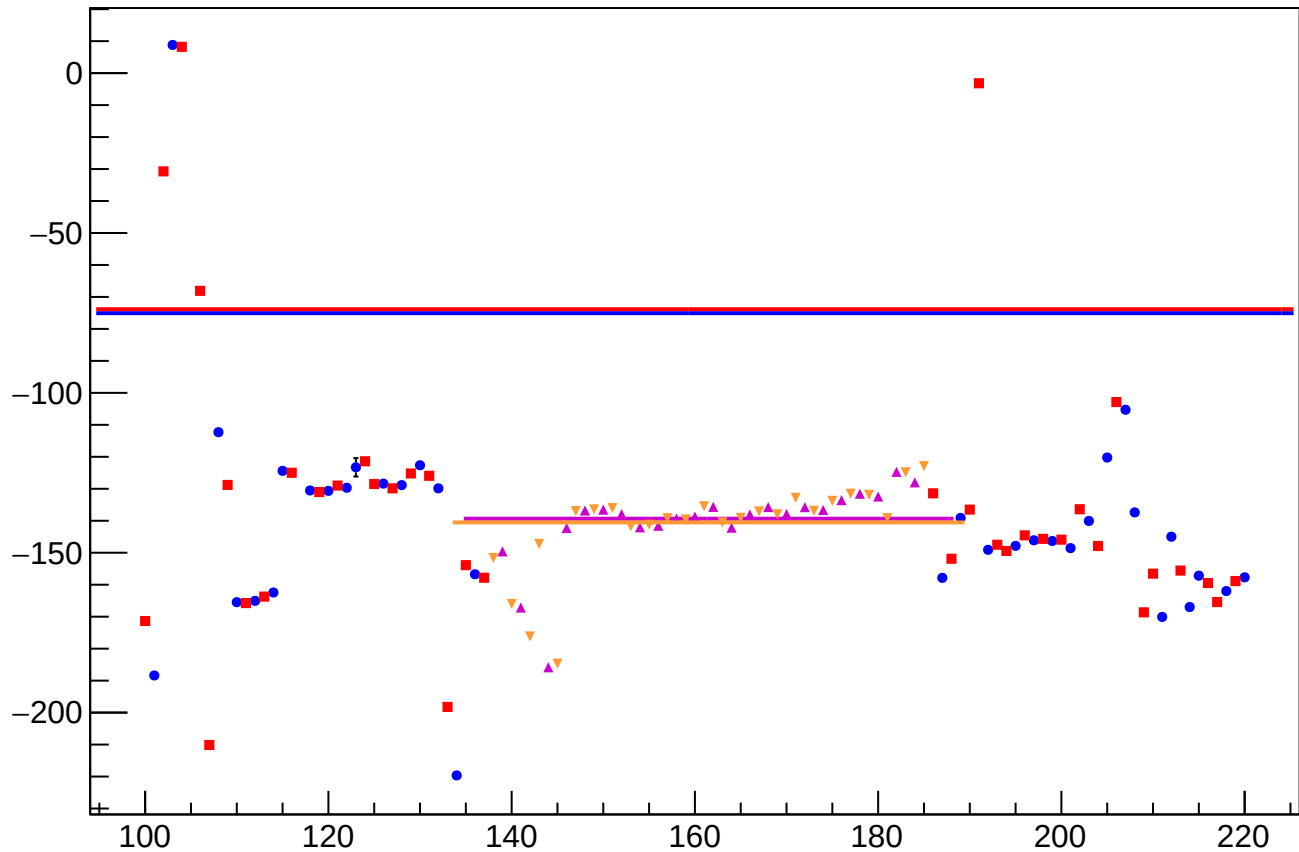
Left In: 63.999 ± 0.963 $\chi^2/\text{NDF}: 799.5/22$

+ sign 60.104 ± 0.791 $\chi^2/\text{NDF}: 2230.9/58$

All: 57.718 ± 0.560 $\chi^2/\text{NDF}: 4268.1/118$

- sign 55.316 ± 0.794 $\chi^2/\text{NDF}: 2019.0/59$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -75.075 ± 0.061 $\chi^2/\text{NDF}: 1633856.5/33$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -73.836 ± 0.060 $\chi^2/\text{NDF}: 1465971.0/36$

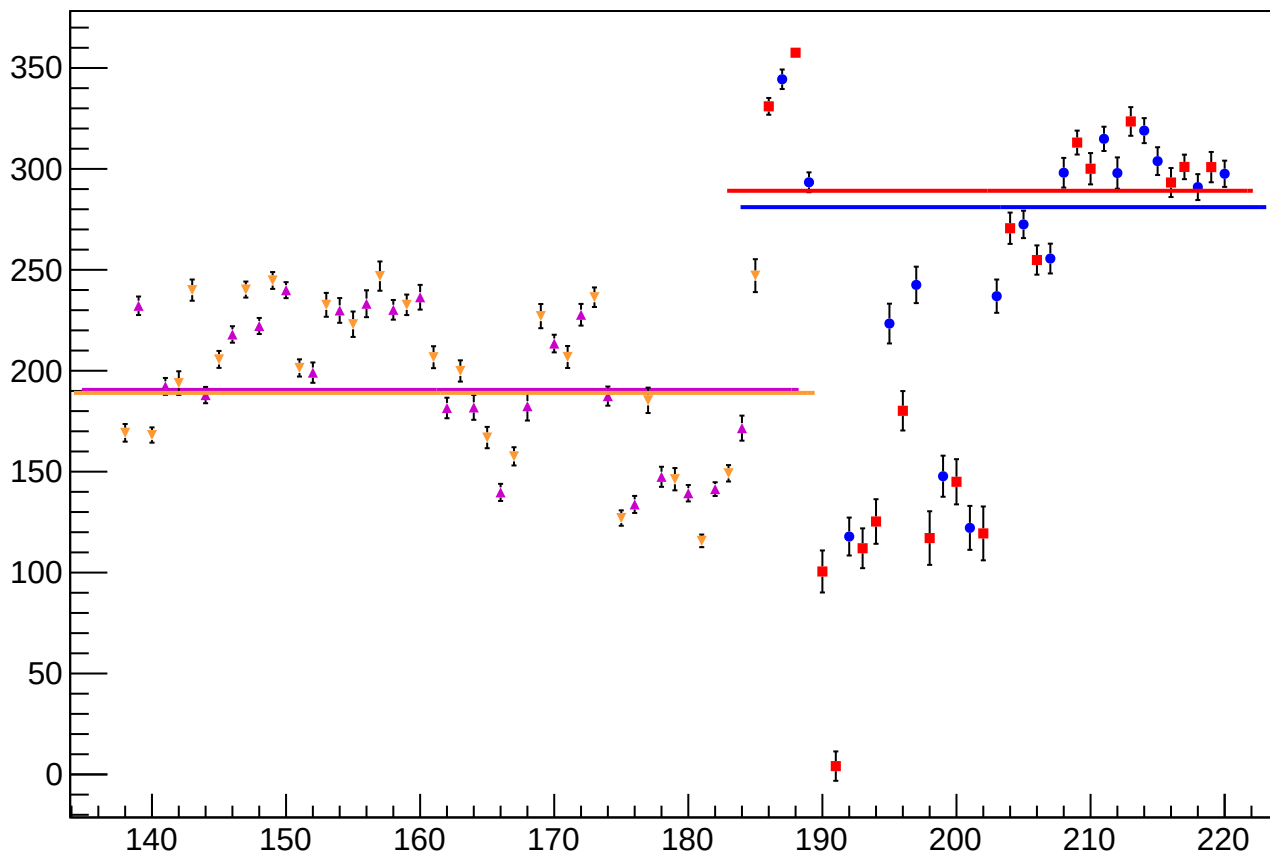
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -117.822 ± 0.036 $\chi^2/\text{NDF}: 2459629.3/58$

All: -116.733 ± 0.025 $\chi^2/\text{NDF}: 4756814.4/11$

- sign -115.648 ± 0.036 $\chi^2/\text{NDF}: 2295358.4/59$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 281.054 ± 1.694 $\chi^2/\text{NDF}: 1057.6/16$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 289.162 ± 1.477 $\chi^2/\text{NDF}: 3947.6/17$

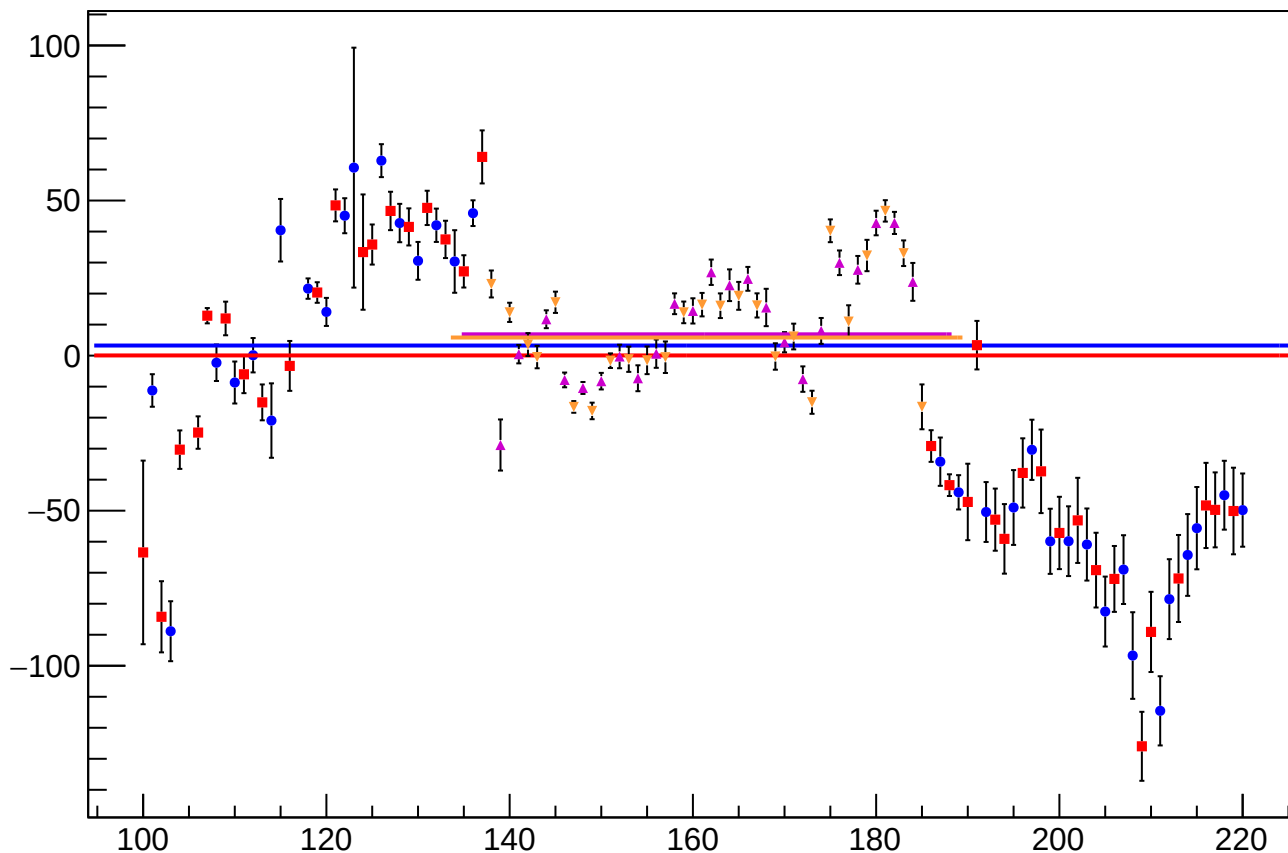
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 211.264 ± 0.832 $\chi^2/\text{NDF}: 5277.8/41$

All: 215.958 ± 0.582 $\chi^2/\text{NDF}: 13806.7/82$

- sign 220.444 ± 0.814 $\chi^2/\text{NDF}: 8466.8/40$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 3.250 ± 1.217 $\chi^2/\text{NDF}: 1210.8/33$

Left Out: 5.834 ± 0.712 $\chi^2/\text{NDF}: 652.2/24$

Right Out: 0.054 ± 1.053 $\chi^2/\text{NDF}: 1233.0/36$

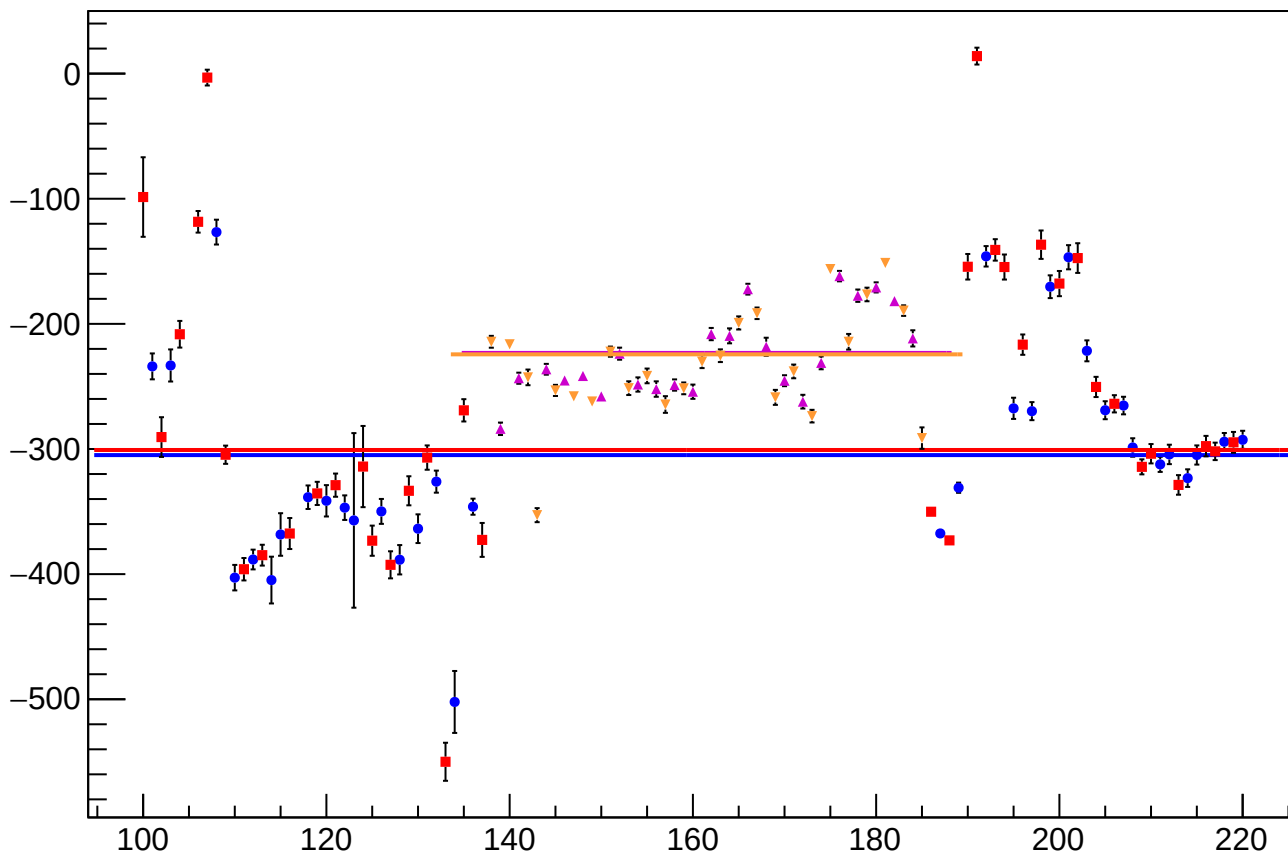
Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

+ sign 5.175 ± 0.615 $\chi^2/\text{NDF}: 1866.4/58$

All: 4.896 ± 0.431 $\chi^2/\text{NDF}: 3650.6/118$

- sign 4.627 ± 0.603 $\chi^2/\text{NDF}: 1783.8/59$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -304.874 ± 1.364 χ^2/NDF : 2262.5/33

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -300.791 ± 1.143 χ^2/NDF : 8678.3/36

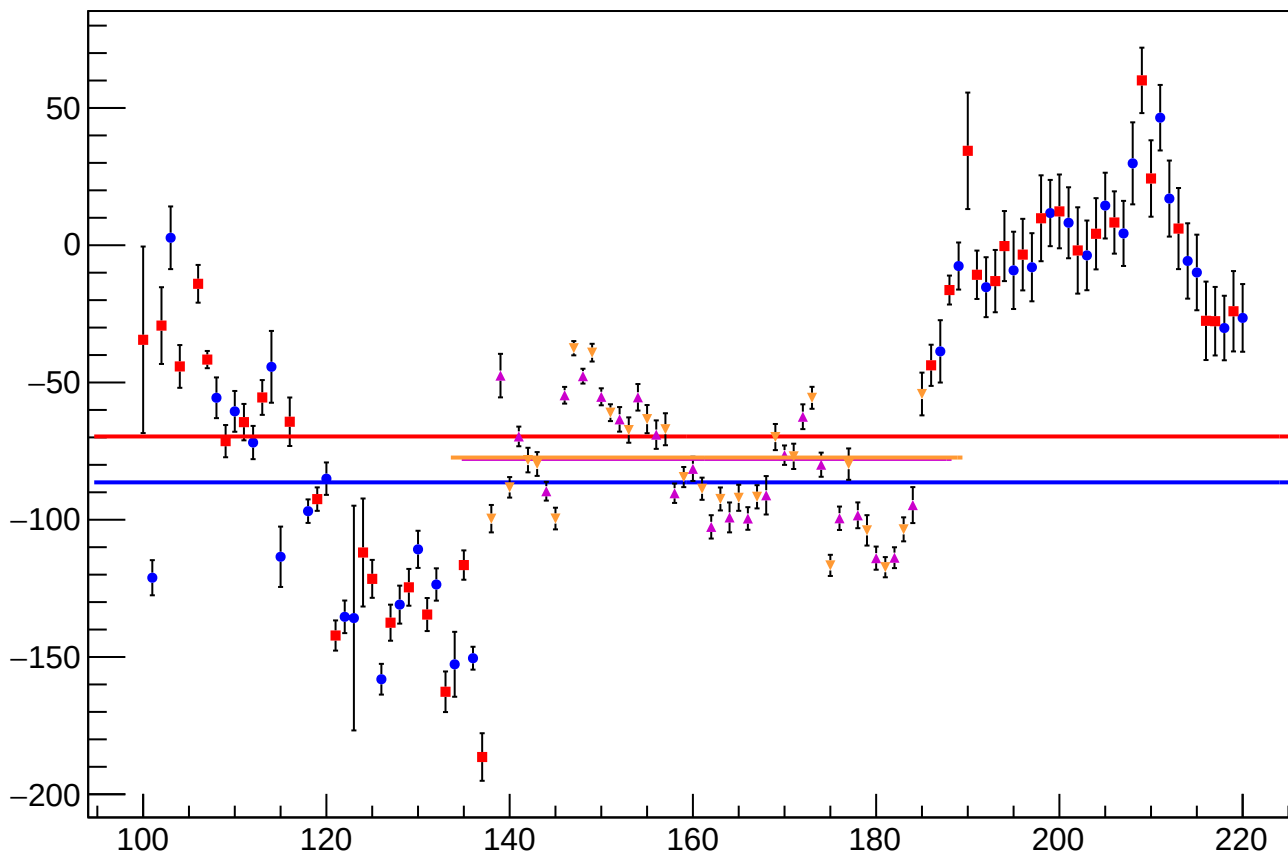
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -250.881 ± 0.783 χ^2/NDF : 6701.6/58

All: -253.404 ± 0.538 χ^2/NDF : 19347.0/118

- sign -255.654 ± 0.739 χ^2/NDF : 12625.8/59

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -86.384+/-1.406 χ^2/NDF : 1601.6/33

Left Out: -77.343+/-0.827 χ^2/NDF : 846.2/24

Right Out: -69.663+/-1.255 χ^2/NDF : 1785.8/36

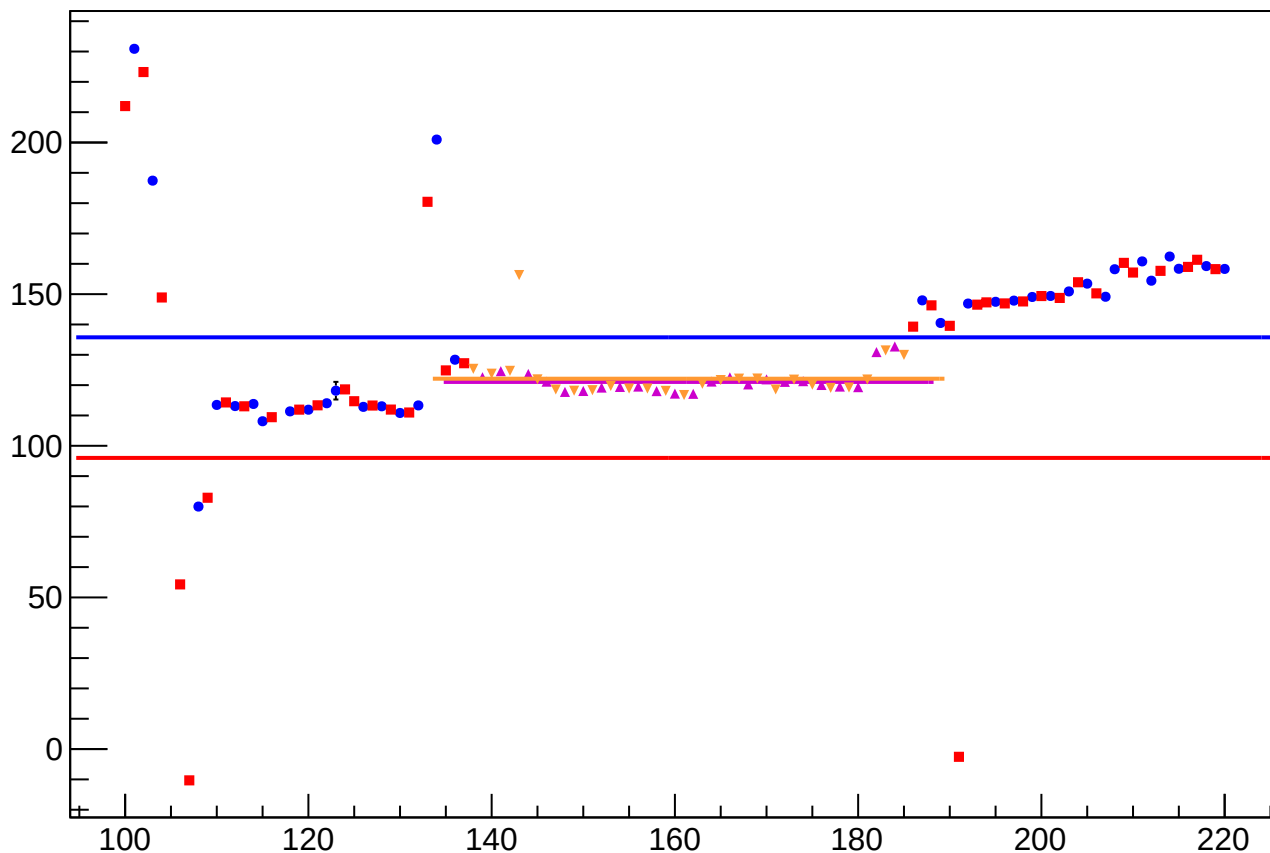
Left In: -77.838+/-0.849 χ^2/NDF : 622.8/22

+ sign -79.665+/-0.713 χ^2/NDF : 2478.5/58

All: -77.440+/-0.501 χ^2/NDF : 4935.5/118

- sign -75.274+/-0.703 χ^2/NDF : 2437.7/59

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 135.764 $\pm$ 0.071 χ^2 /NDF: 213942.8/33

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF: 30480.7/24

Right Out: 96.004 $\pm$ 0.061 χ^2 /NDF: 1180432.9/36

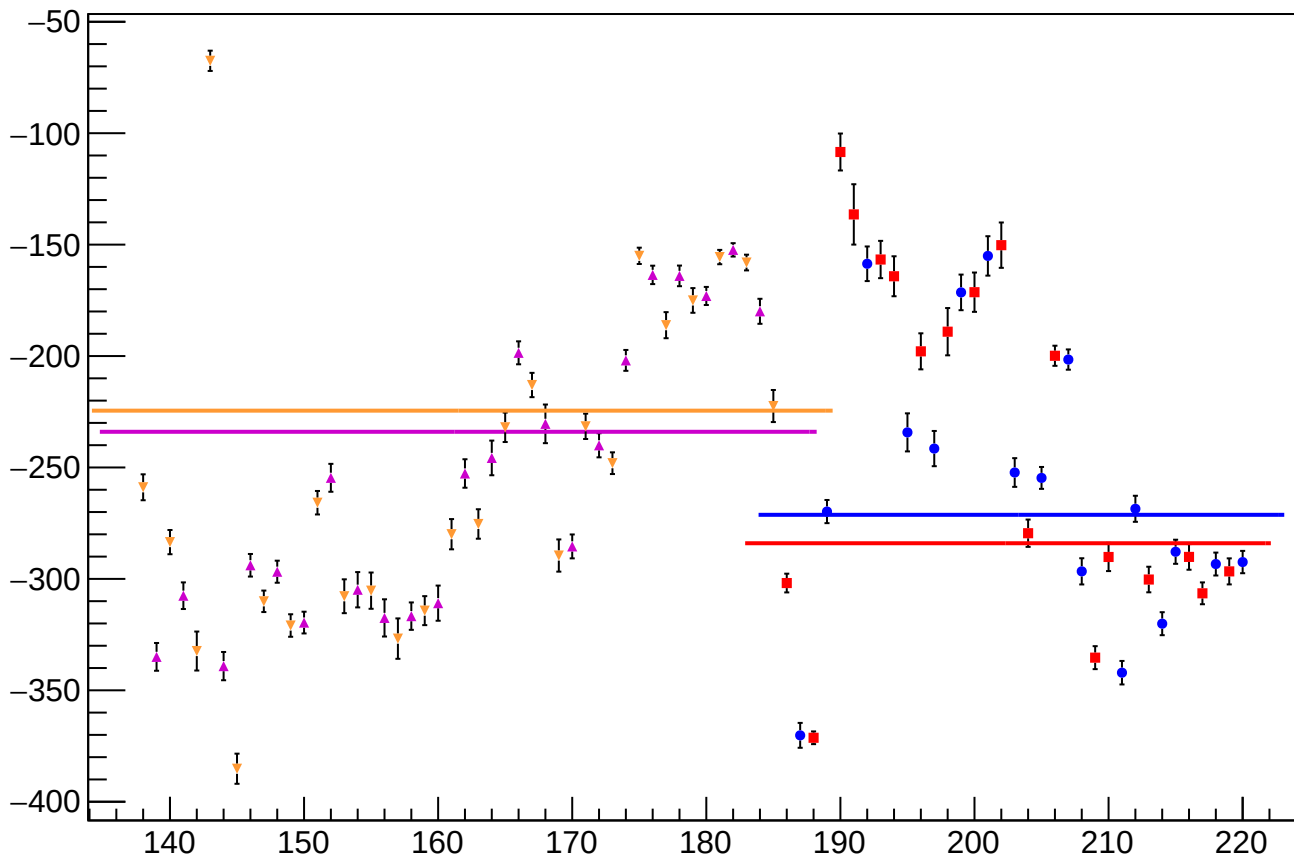
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 125.305 $\pm$ 0.035 χ^2 /NDF: 272408.5/58

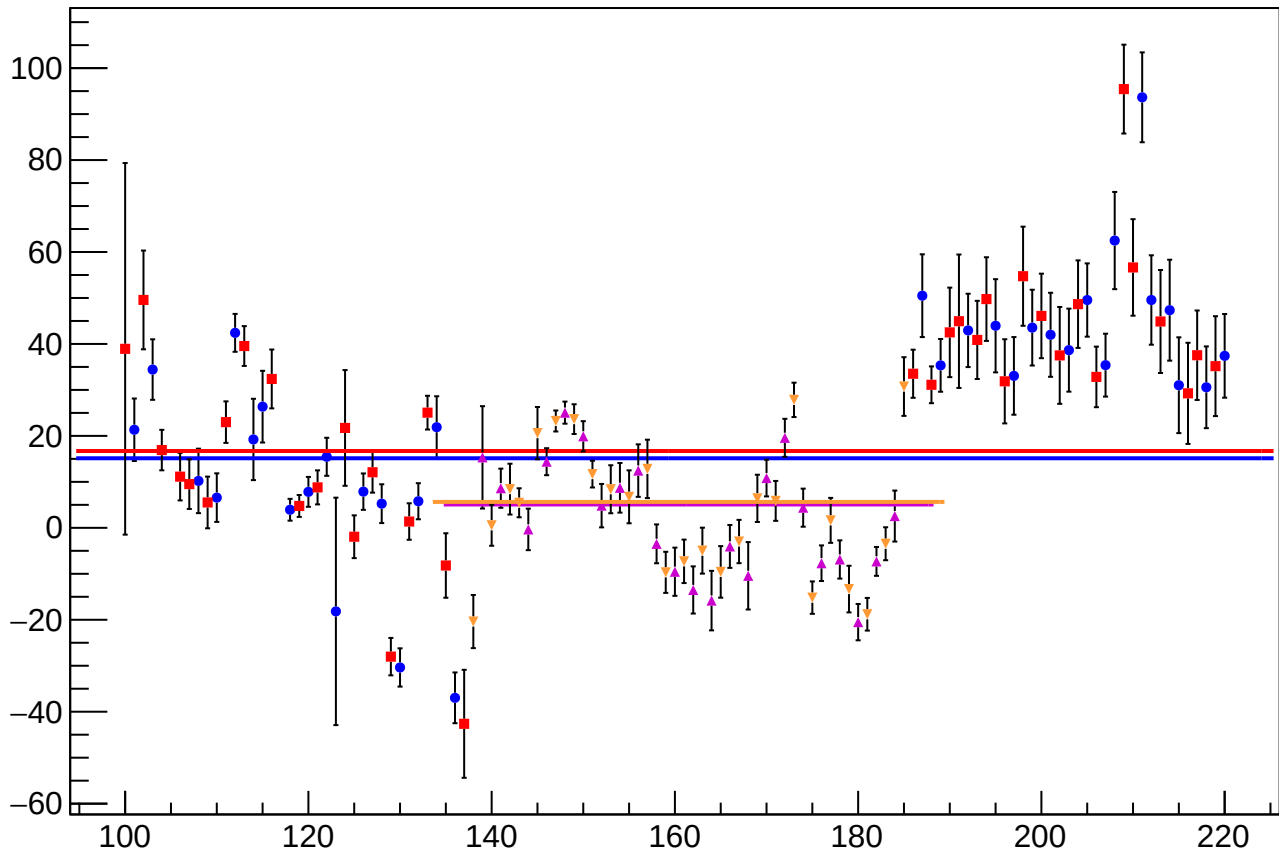
All: 119.232 $\pm$ 0.024 χ^2 /NDF: 1639148.6/118

- sign 113.581 $\pm$ 0.033 χ^2 /NDF: 1306943.6/59

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.131 $\pm$ 0.976 χ^2 /NDF: 536.2/33

Left Out: 5.638 $\pm$ 0.828 χ^2 /NDF: 313.6/24

Right Out: 16.711 $\pm$ 0.937 χ^2 /NDF: 476.2/36

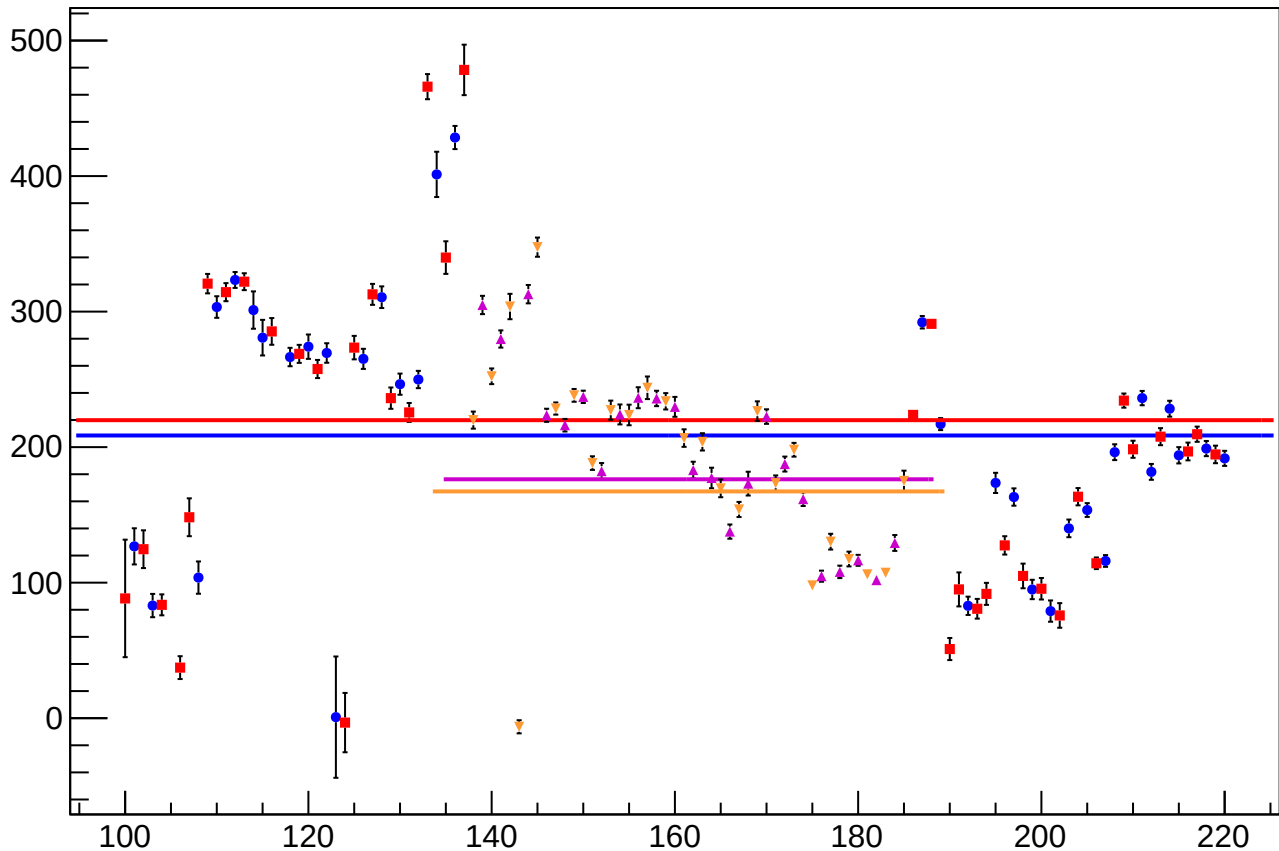
Left In: 5.077 $\pm$ 0.869 χ^2 /NDF: 239.7/22

+ sign 9.609 $\pm$ 0.631 χ^2 /NDF: 904.9/58

All: 10.029 $\pm$ 0.448 χ^2 /NDF: 1704.5/118

- sign 10.457 $\pm$ 0.637 χ^2 /NDF: 798.8/59

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 208.592 $\pm$ 1.149 χ^2 /NDF: 4274.0/33

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF:4454.5/24

Right Out: 219.889 $\pm$ 1.057 χ^2 /NDF: 6629.3/36

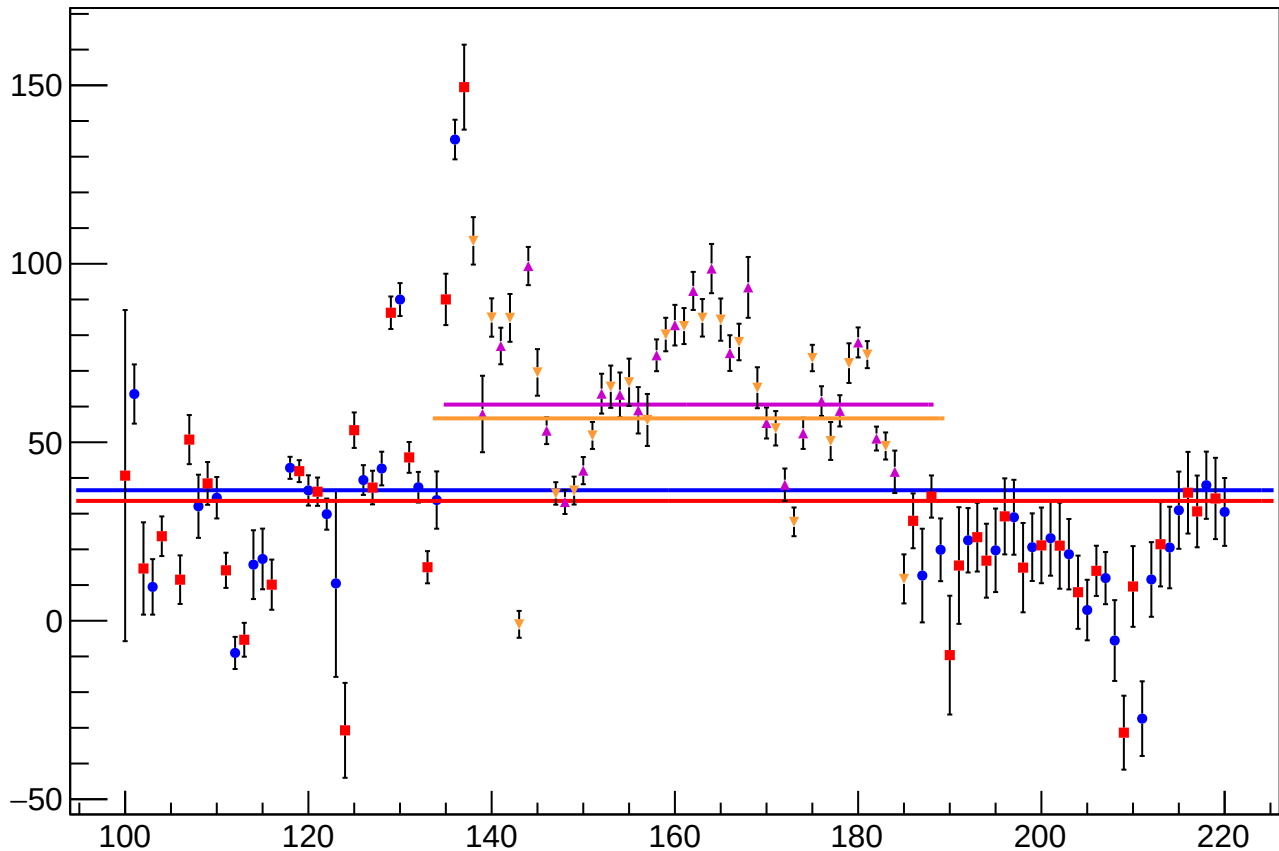
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 186.728 $\pm$ 0.788 χ^2 /NDF: 9411.7/58

All: 193.082 $\pm$ 0.549 χ^2 /NDF: 20149.6/118

- sign 199.058 $\pm$ 0.764 χ^2 /NDF: 10611.7/59

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 36.562 ± 1.126 χ^2/NDF : 699.3/33

Left Out: 56.695 ± 0.952 χ^2/NDF : 690.4/24

Right Out: 33.572 ± 1.093 χ^2/NDF : 555.6/36

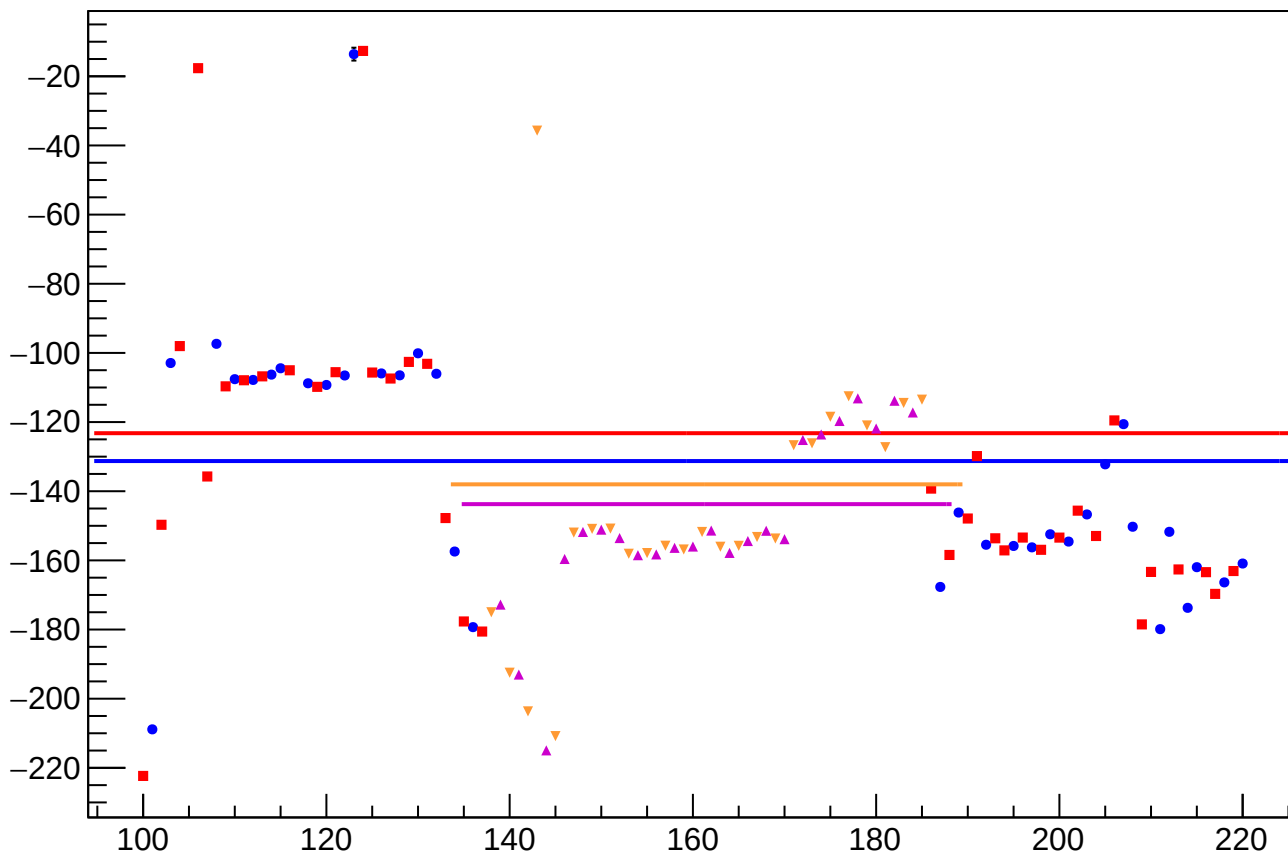
Left In: 60.555 ± 0.990 χ^2/NDF : 335.6/22

+ sign 48.305 ± 0.727 χ^2/NDF : 1576.2/58

All: 48.349 ± 0.516 χ^2/NDF : 2802.2/118

- sign 48.394 ± 0.734 χ^2/NDF : 1226.0/59

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -131.274 ± 0.060 χ^2/NDF : 236453.0/33

Left Out: -138.008 ± 0.045 χ^2/NDF : 565767.2/24

Right Out: -123.217 ± 0.057 χ^2/NDF : 494161.9/36

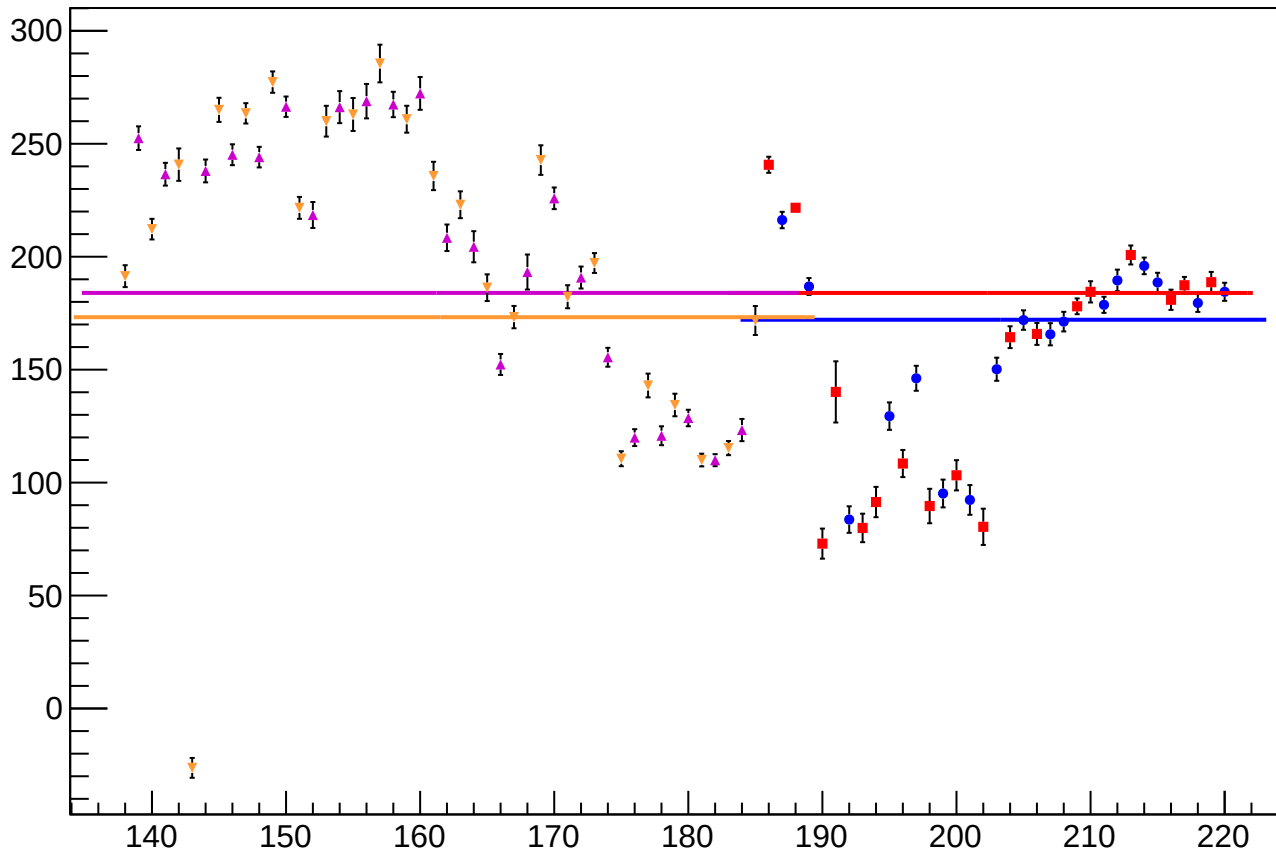
Left In: -143.735 ± 0.046 χ^2/NDF : 258408.3/22

+ sign -135.580 ± 0.036 χ^2/NDF : 810249.8/58

All: -135.602 ± 0.025 χ^2/NDF : 1641145.6/11

- sign -135.623 ± 0.036 χ^2/NDF : 830895.2/59

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 172.102 $\pm$ 1.084 χ^2 /NDF: 872.4/16

Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF:5846.0/24

Right Out: 183.962 $\pm$ 1.018 χ^2 /NDF: 2088.9/17

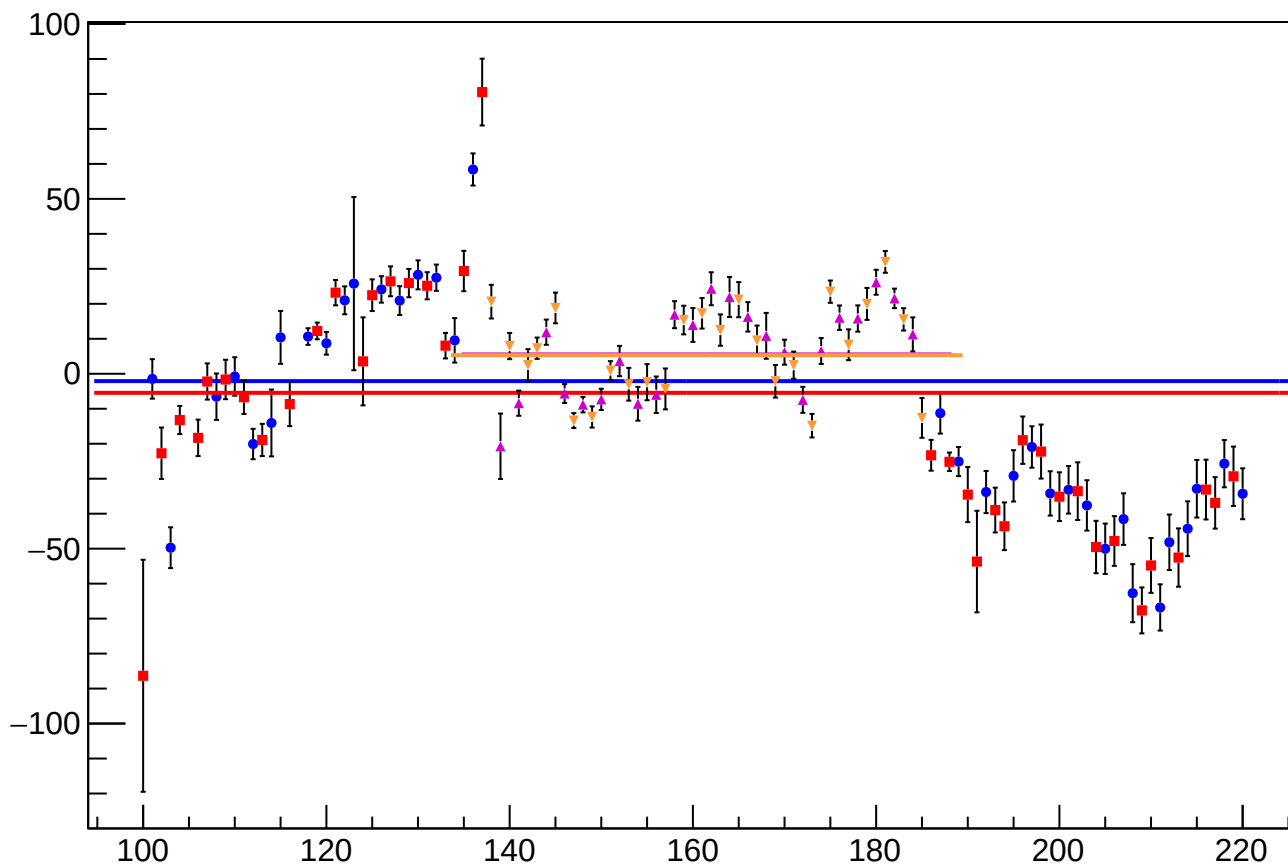
Left In: 183.984 $\pm$ 0.991 χ^2 /NDF:3613.7/22

+ sign 172.731 $\pm$ 0.721 χ^2 /NDF: 6718.9/41

All: 178.437 $\pm$ 0.506 χ^2 /NDF: 12544.9/82

- sign 183.973 $\pm$ 0.710 χ^2 /NDF: 5702.6/40

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.102 ± 0.893 χ^2/NDF : 1020.7/33

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -5.443 ± 0.851 χ^2/NDF : 958.4/36

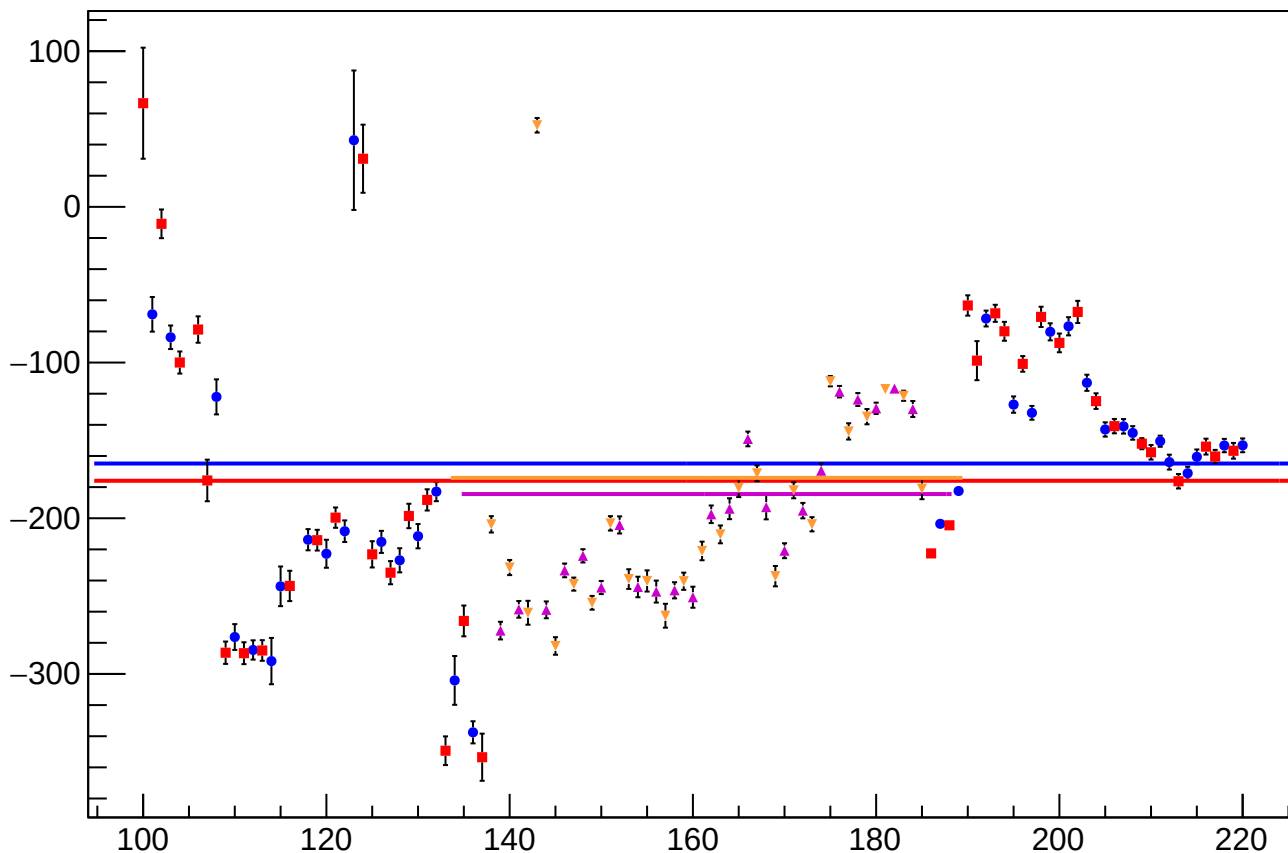
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 2.264 ± 0.573 χ^2/NDF : 1406.8/58

All: 1.391 ± 0.406 χ^2/NDF : 2716.5/118

- sign 0.510 ± 0.575 χ^2/NDF : 1305.0/59

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -164.852 ± 0.929 χ^2/NDF : 3158.6/33

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -175.918 ± 0.836 χ^2/NDF : 5034.7/36

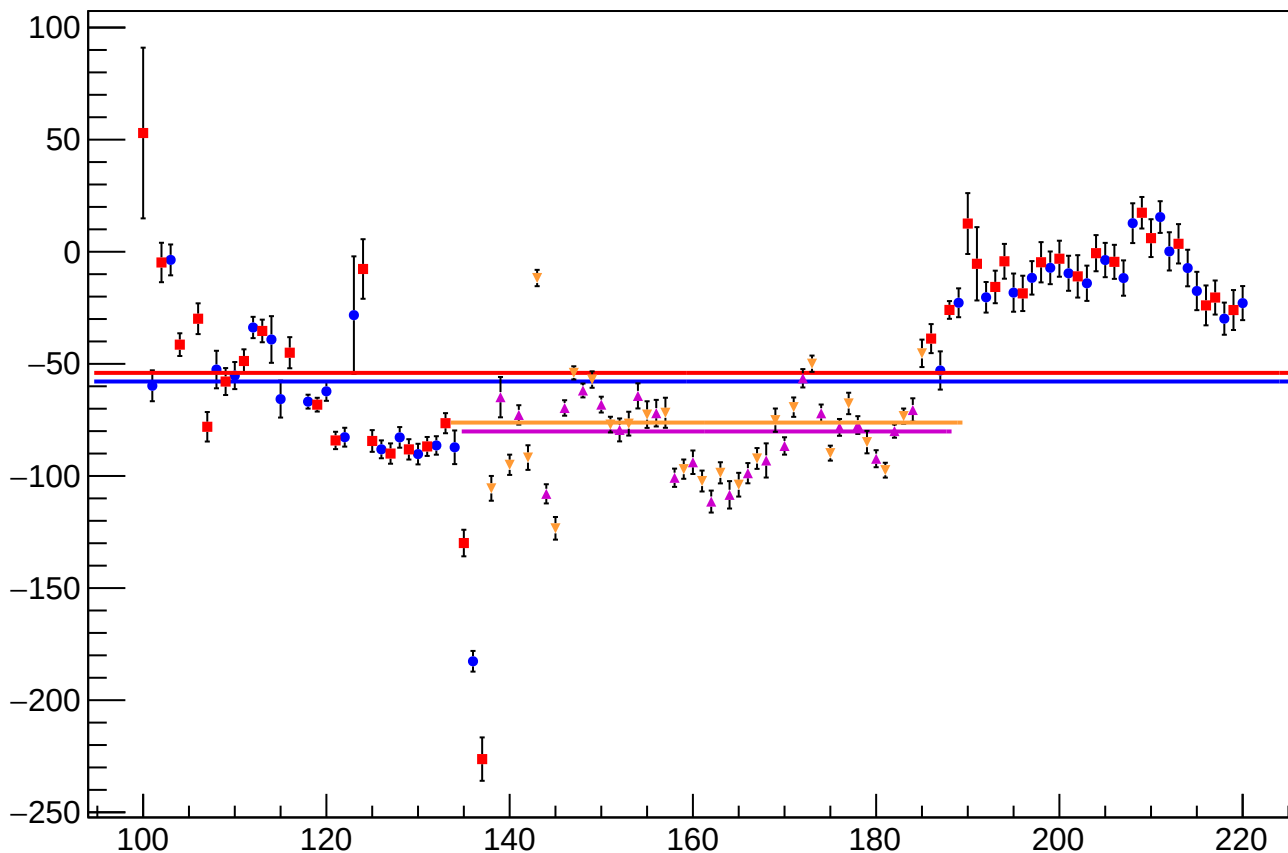
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -169.254 ± 0.671 χ^2/NDF : 8648.8/58

All: -174.613 ± 0.463 χ^2/NDF : 16900.0/118

- sign -179.471 ± 0.639 χ^2/NDF : 8129.6/59

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -57.866 ± 1.032 χ^2/NDF : 1706.7/33

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -54.020 ± 1.003 χ^2/NDF : 1500.6/36

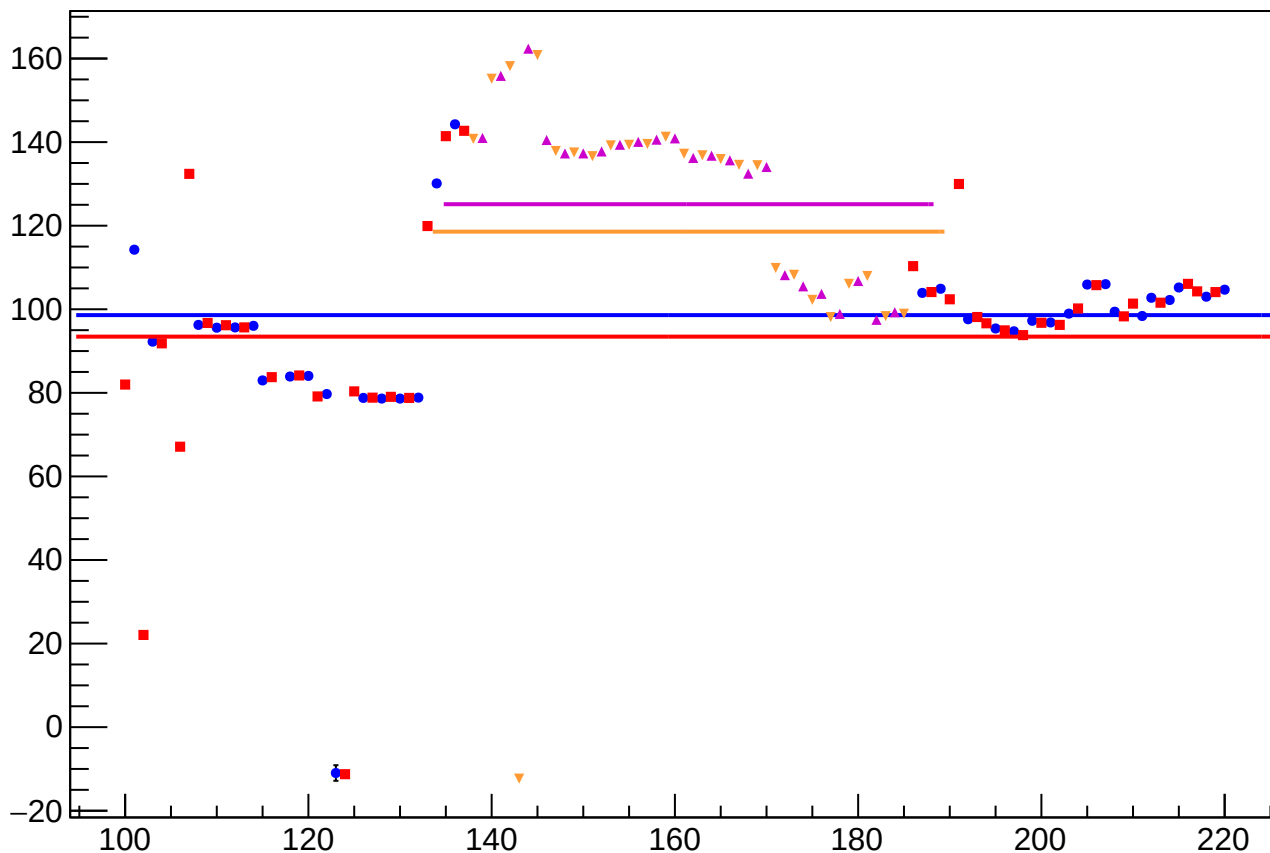
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -68.704 ± 0.659 χ^2/NDF : 2694.0/58

All: -68.676 ± 0.468 χ^2/NDF : 4858.1/118

- sign -68.647 ± 0.665 χ^2/NDF : 2164.1/59

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.602 $\pm$ 0.052 χ^2 /NDF: 96826.3/33

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 93.452 $\pm$ 0.049 χ^2 /NDF: 245951.5/36

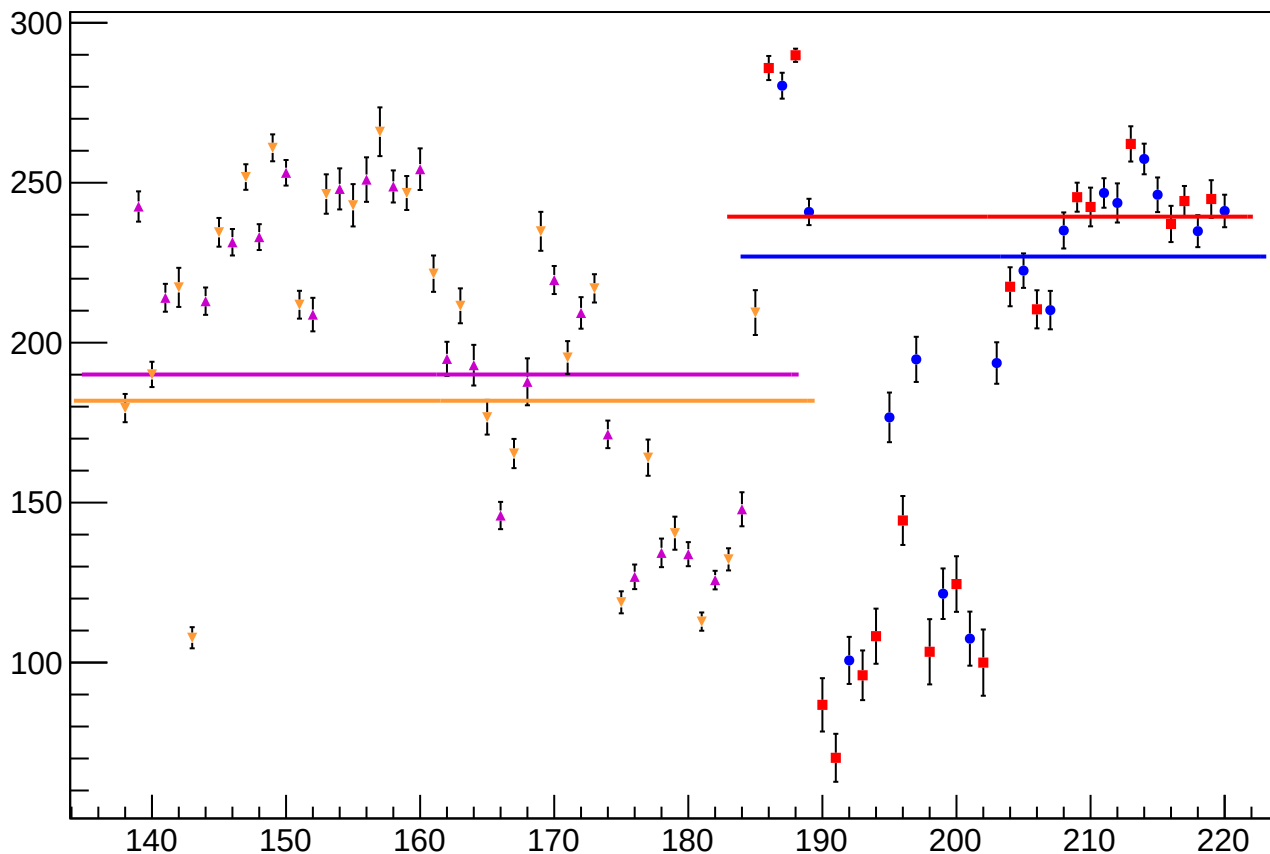
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 111.056 $\pm$ 0.032 χ^2 /NDF: 917009.0/58

All: 111.597 $\pm$ 0.023 χ^2 /NDF: 1626342.0/118

- sign 112.129 $\pm$ 0.032 χ^2 /NDF: 708764.4/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 226.929 $\pm$ 1.345 χ^2 /NDF: 1047.0/16

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF: 3303.4/24

Right Out: 239.396 $\pm$ 1.209 χ^2 /NDF: 2909.5/17

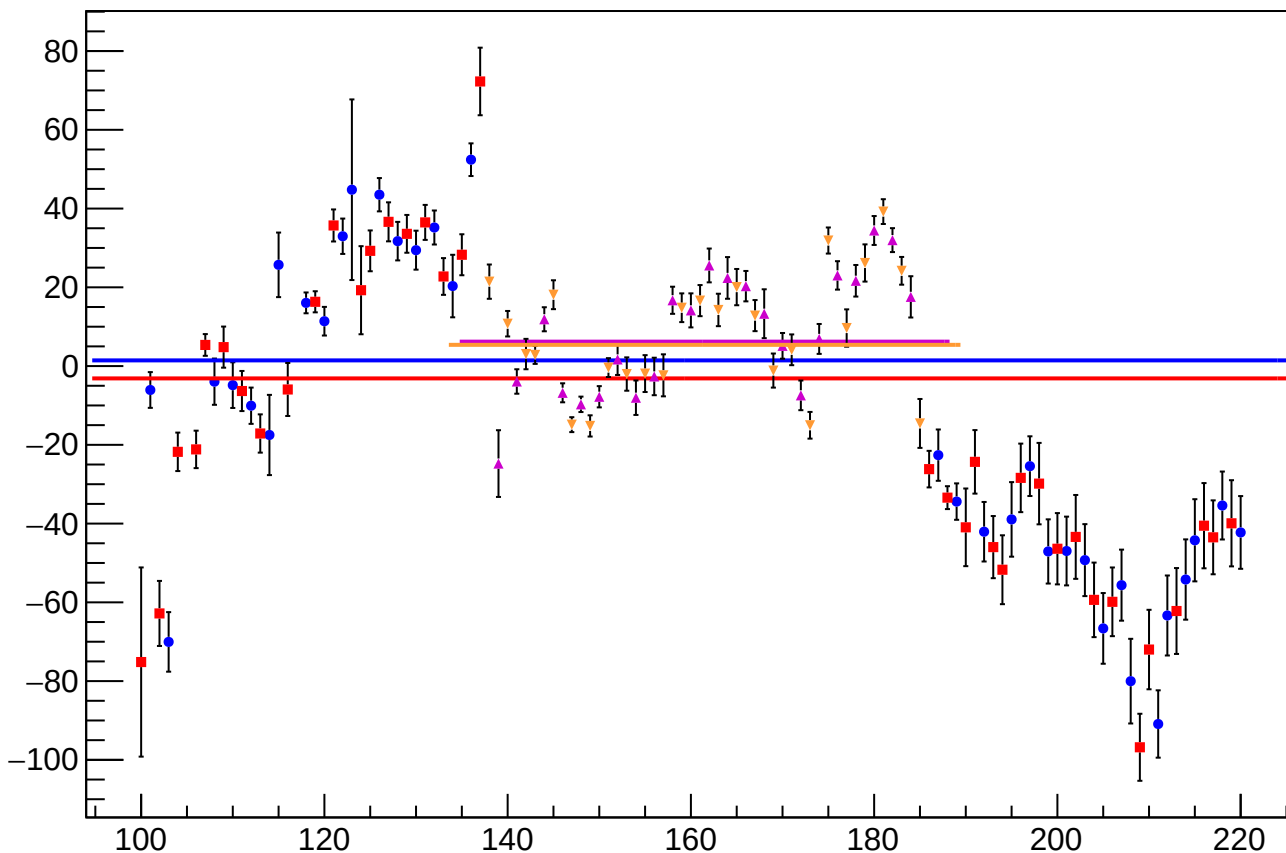
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF: 2438.4/22

+ sign 196.077 $\pm$ 0.756 χ^2 /NDF: 5119.1/41

All: 202.583 $\pm$ 0.532 χ^2 /NDF: 11642.0/82

- sign 208.964 $\pm$ 0.748 χ^2 /NDF: 6376.0/40

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.445 ± 1.005 χ^2/NDF : 1226.9/33

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: -3.131 ± 0.914 χ^2/NDF : 1228.4/36

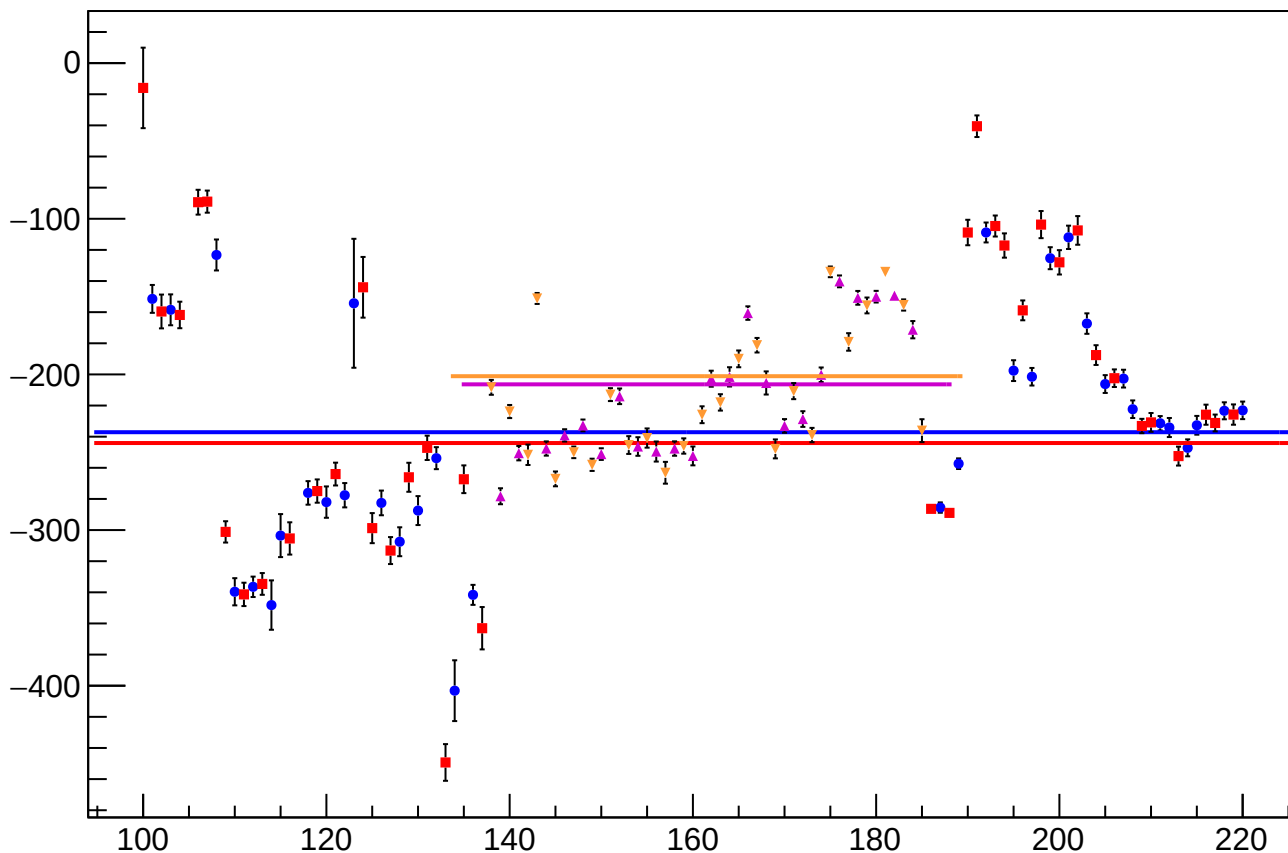
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 4.134 ± 0.568 χ^2/NDF : 1763.9/58

All: 3.351 ± 0.403 χ^2/NDF : 3467.3/118

- sign 2.559 ± 0.571 χ^2/NDF : 1699.6/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -237.126 ± 1.107 χ^2/NDF : 2720.7/33

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -244.081 ± 0.955 χ^2/NDF : 5859.9/36

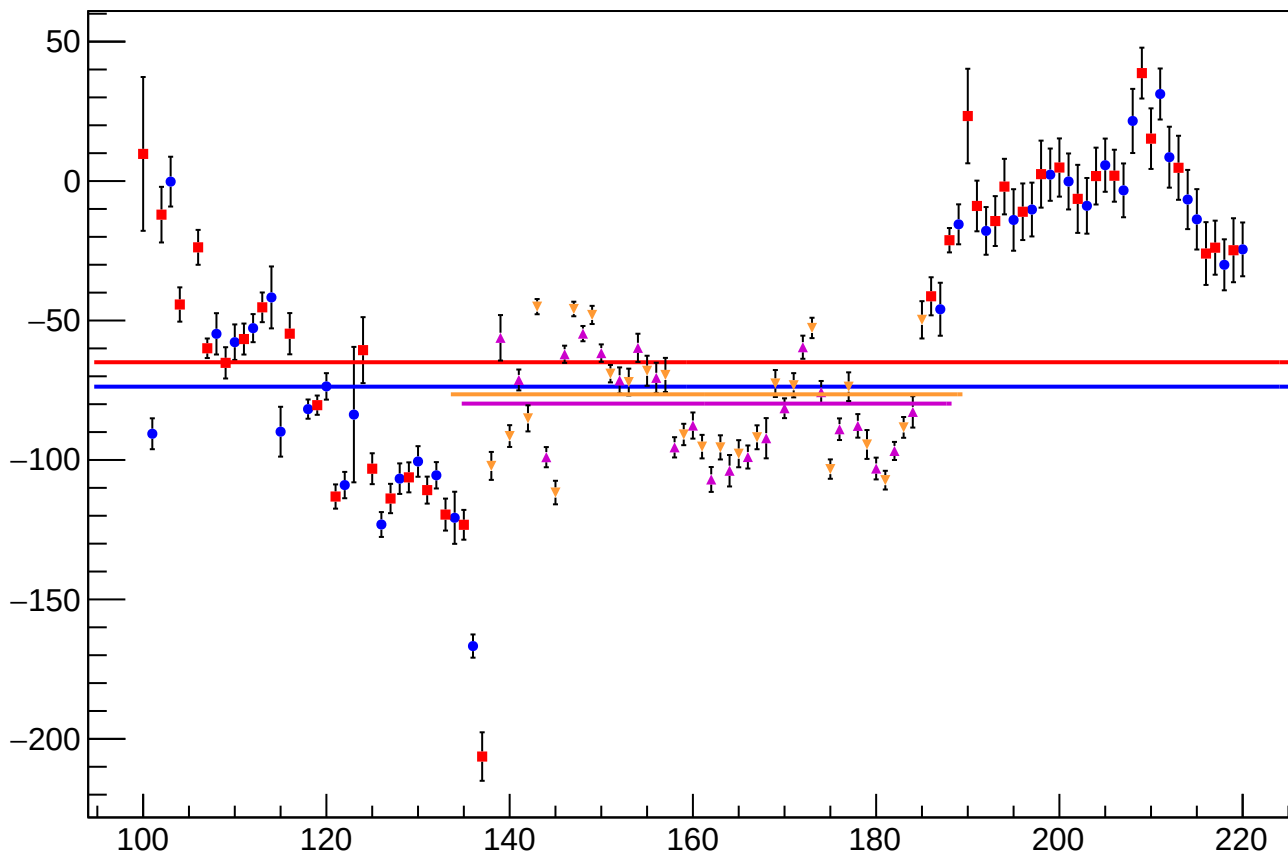
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -215.803 ± 0.707 χ^2/NDF : 5835.6/58

All: -220.690 ± 0.487 χ^2/NDF : 14682.2/118

- sign -225.127 ± 0.673 χ^2/NDF : 8755.3/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -73.715 $\pm$ 1.164 χ^2/NDF : 1783.1/33

Left Out: -76.460 $\pm$ 0.797 χ^2/NDF : 781.3/24

Right Out: -64.957 $\pm$ 1.084 χ^2/NDF : 1744.0/36

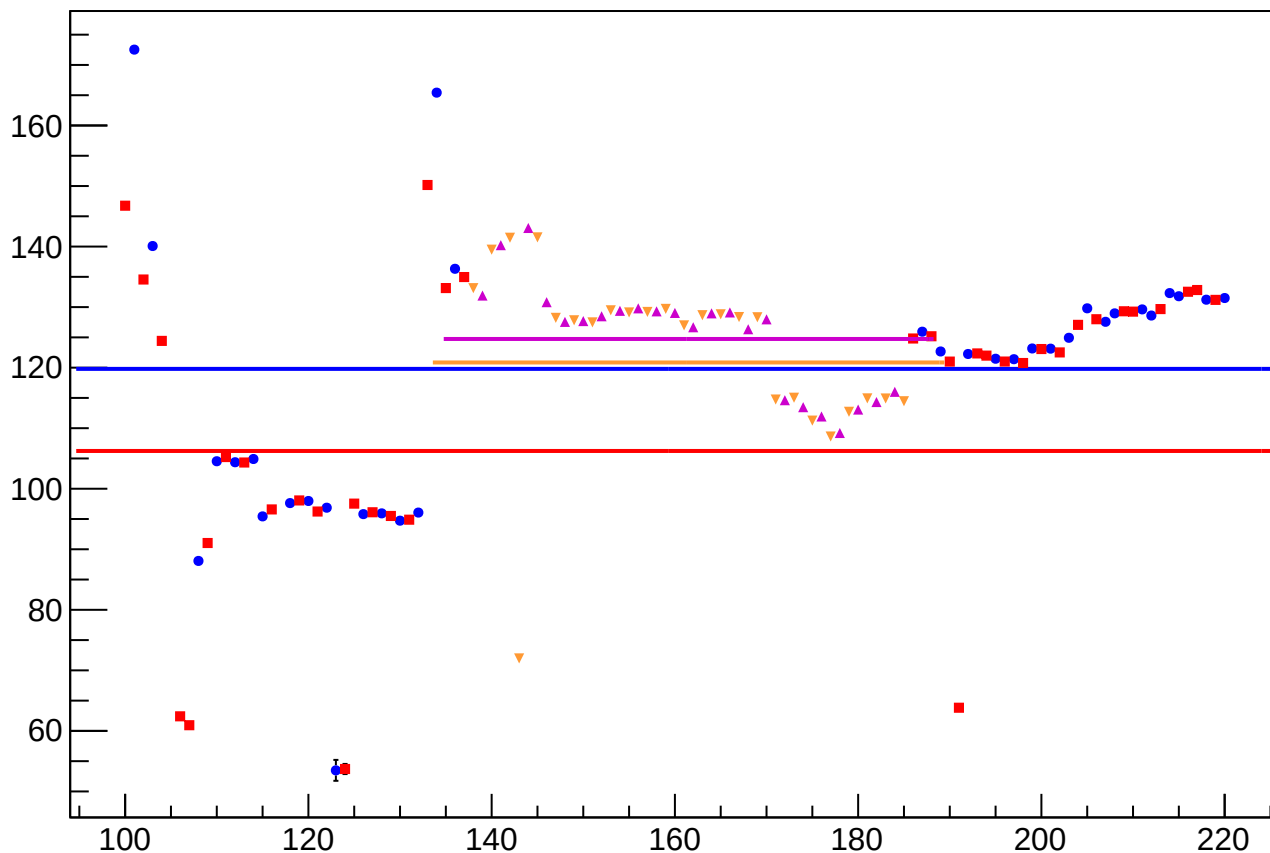
Left In: -79.792 $\pm$ 0.840 χ^2/NDF : 412.3/22

+ sign -75.584 $\pm$ 0.657 χ^2/NDF : 2568.2/58

All: -74.913 $\pm$ 0.467 χ^2/NDF : 4843.7/118

- sign -74.228 $\pm$ 0.664 χ^2/NDF : 2273.3/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 119.797 $\pm$ 0.060 χ^2 /NDF: 112783.6/33

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF:182759.1/24

Right Out: 106.238 $\pm$ 0.053 χ^2 /NDF: 255320.8/36

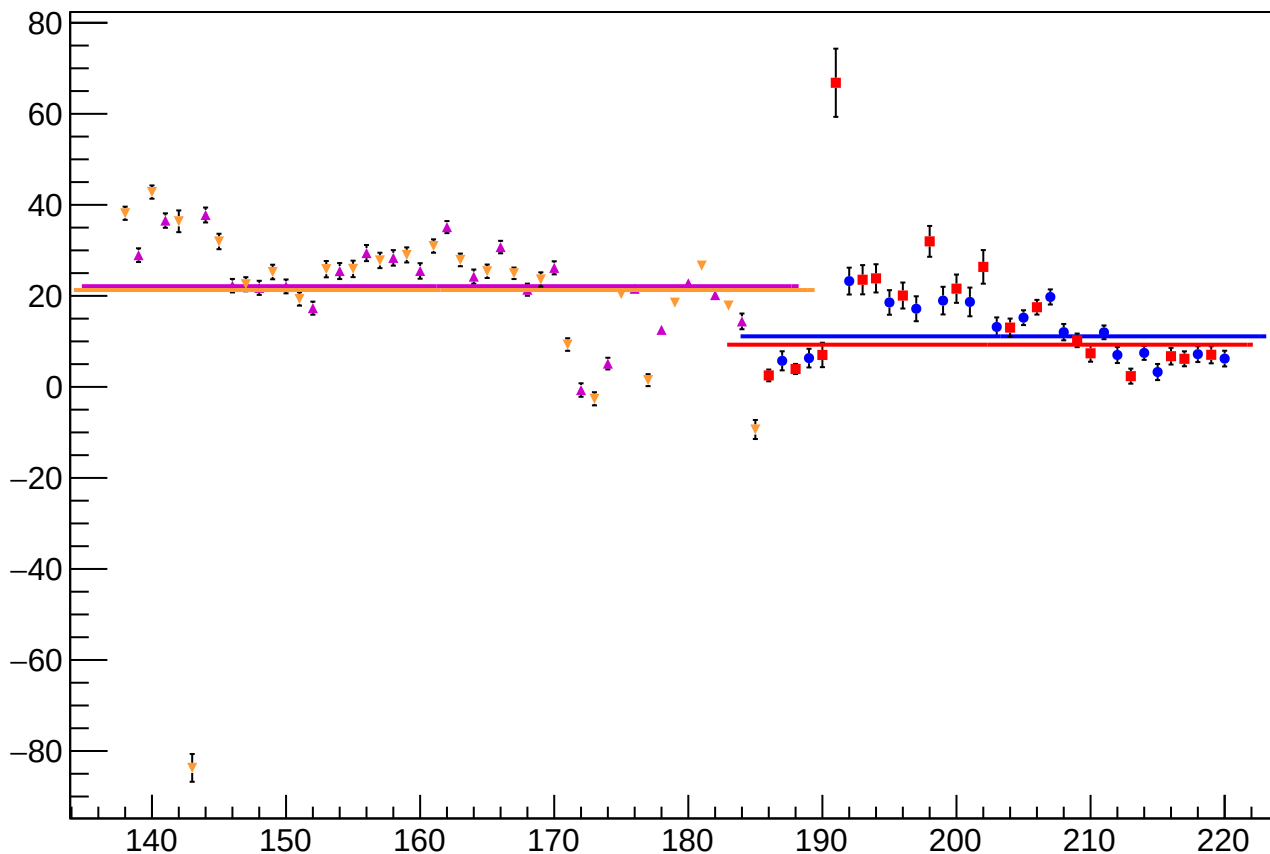
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF:51298.3/22

+ sign 120.552 $\pm$ 0.032 χ^2 /NDF: 295764.4/58

All: 119.387 $\pm$ 0.023 χ^2 /NDF: 682771.4/118

- sign 118.259 $\pm$ 0.032 χ^2 /NDF: 384422.6/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 11.109 $\pm$ 0.471 χ^2 /NDF: 132.4/16

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF: 2600.5/24

Right Out: 9.276 $\pm$ 0.454 χ^2 /NDF: 303.3/17

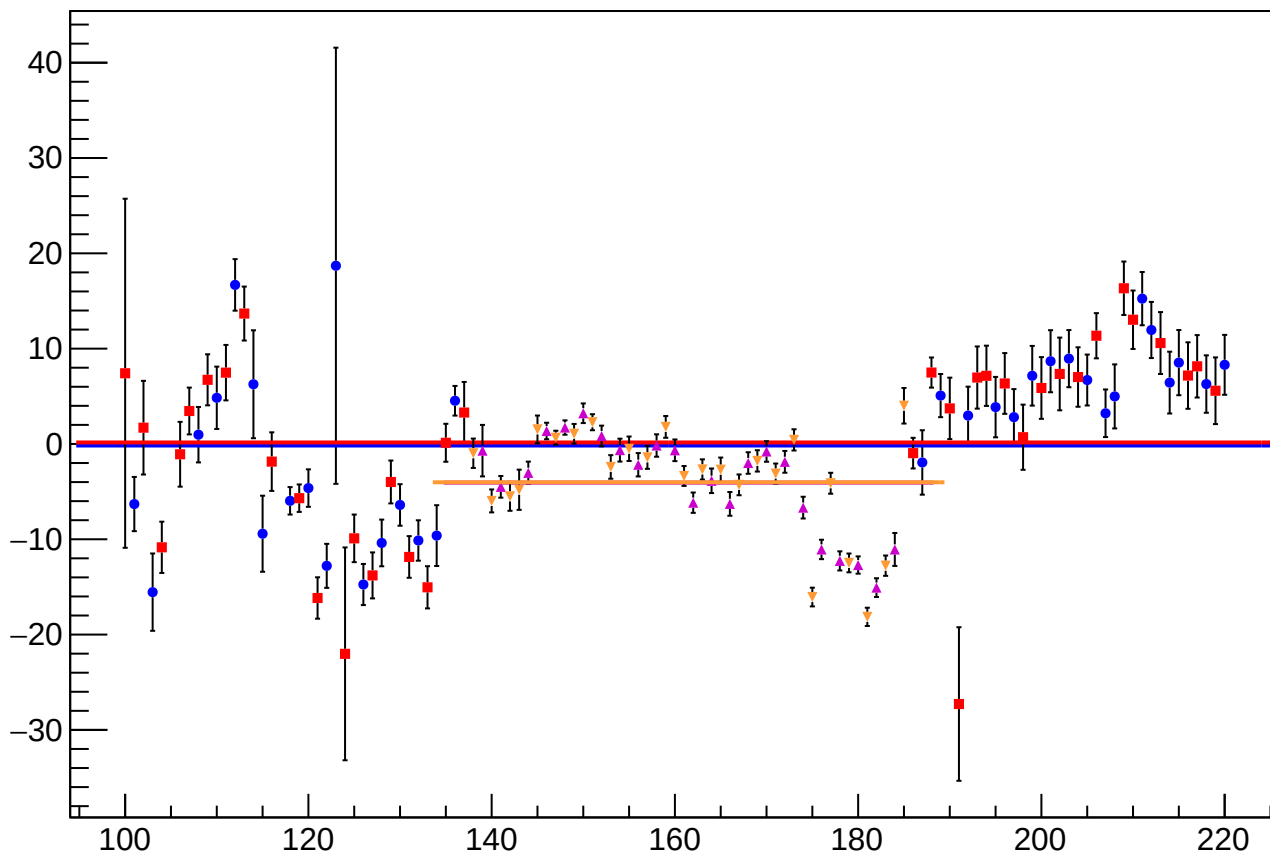
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF: 900.2/22

+ sign 18.593 $\pm$ 0.242 χ^2 /NDF: 3075.8/41

All: 18.541 $\pm$ 0.171 χ^2 /NDF: 4852.8/82

- sign 18.490 $\pm$ 0.242 χ^2 /NDF: 1776.9/40

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.162 ± 0.455 χ^2/NDF : 342.3/33

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: 0.157 ± 0.437 χ^2/NDF : 418.1/36

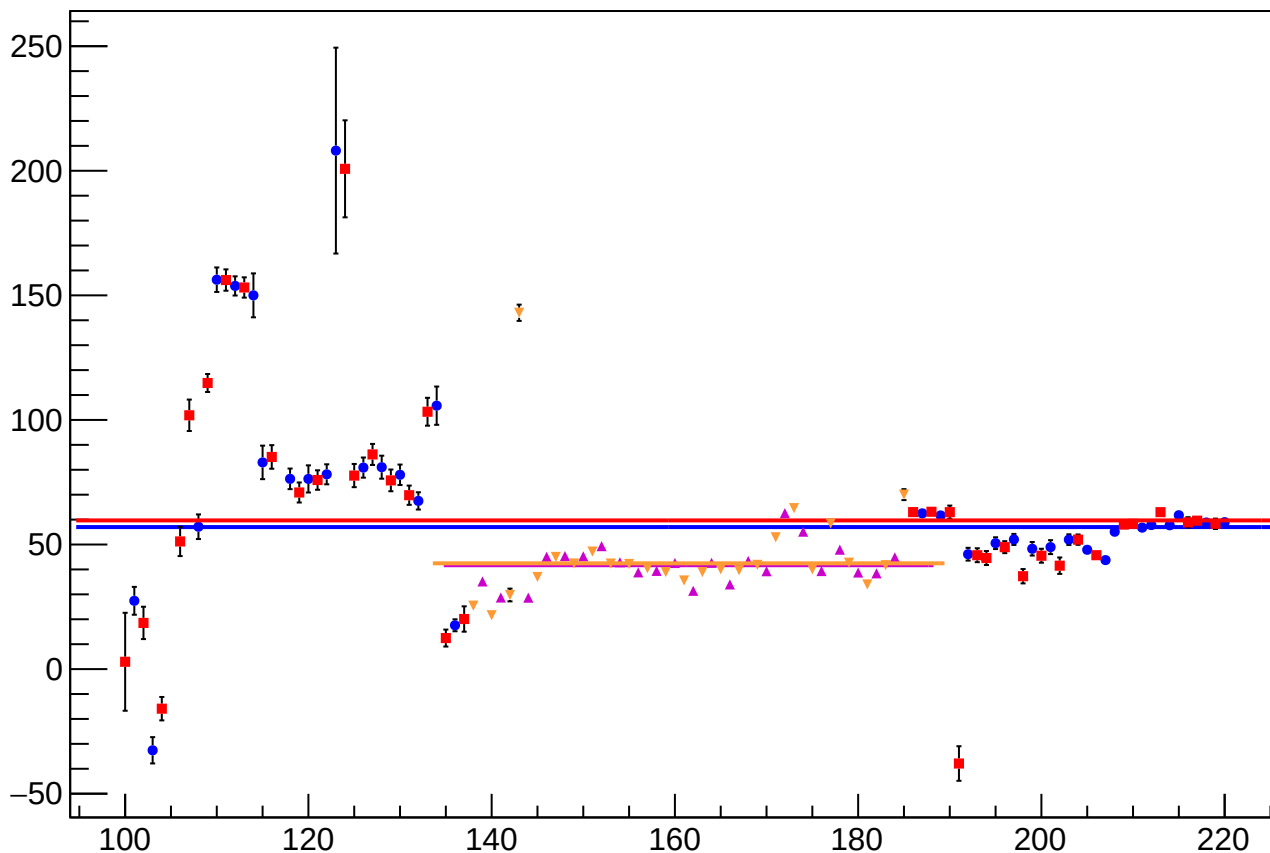
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.274 ± 0.200 χ^2/NDF : 1134.3/58

All: -3.217 ± 0.142 χ^2/NDF : 2202.9/118

- sign -3.158 ± 0.202 χ^2/NDF : 1068.4/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 57.001 $\pm$ 0.428 χ^2 /NDF: 2144.6/33

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 59.675 $\pm$ 0.395 χ^2 /NDF: 2633.4/36

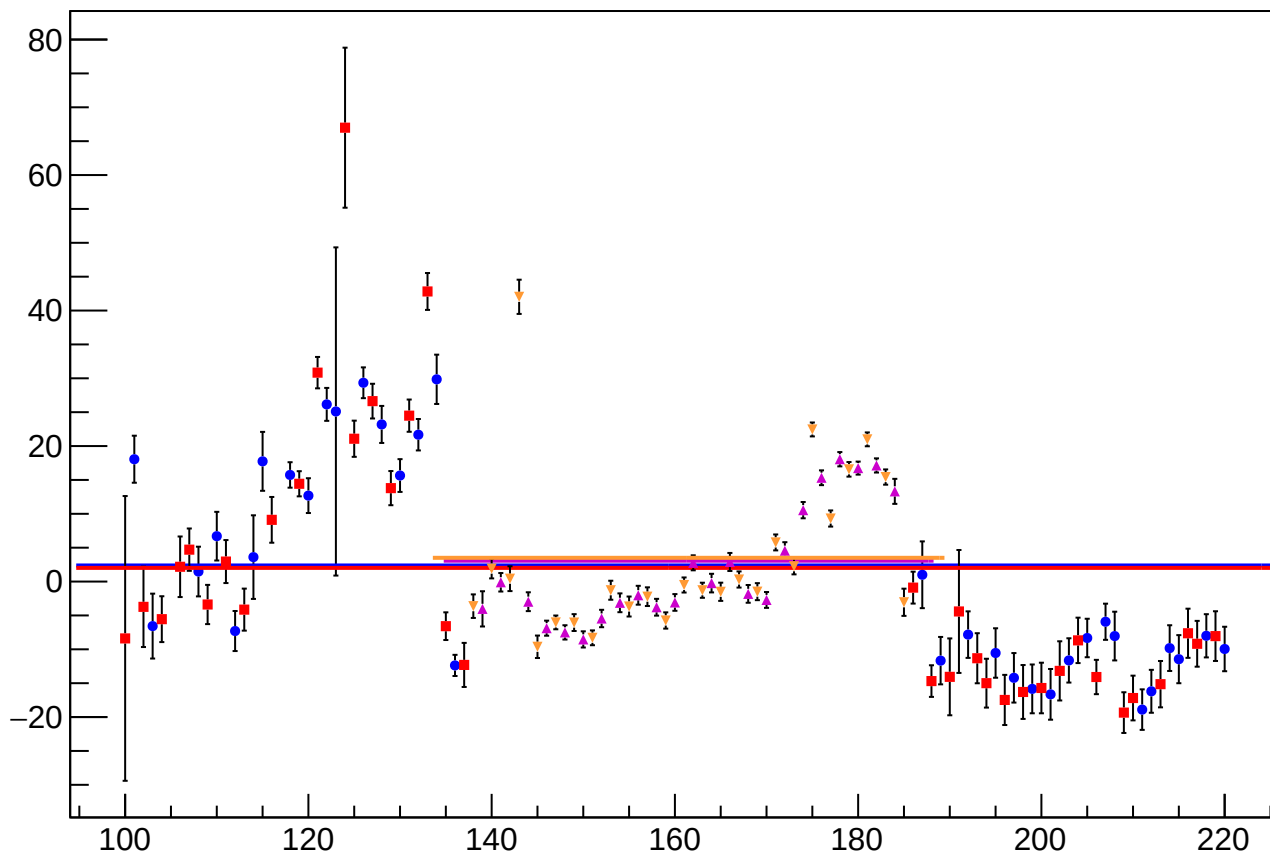
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 46.861 $\pm$ 0.235 χ^2 /NDF: 4967.6/58

All: 47.351 $\pm$ 0.165 χ^2 /NDF: 9604.3/118

- sign 47.821 $\pm$ 0.231 χ^2 /NDF: 4628.2/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 2.375 ± 0.516 χ^2/NDF : 954.4/33

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 2.020 ± 0.510 χ^2/NDF : 1130.5/36

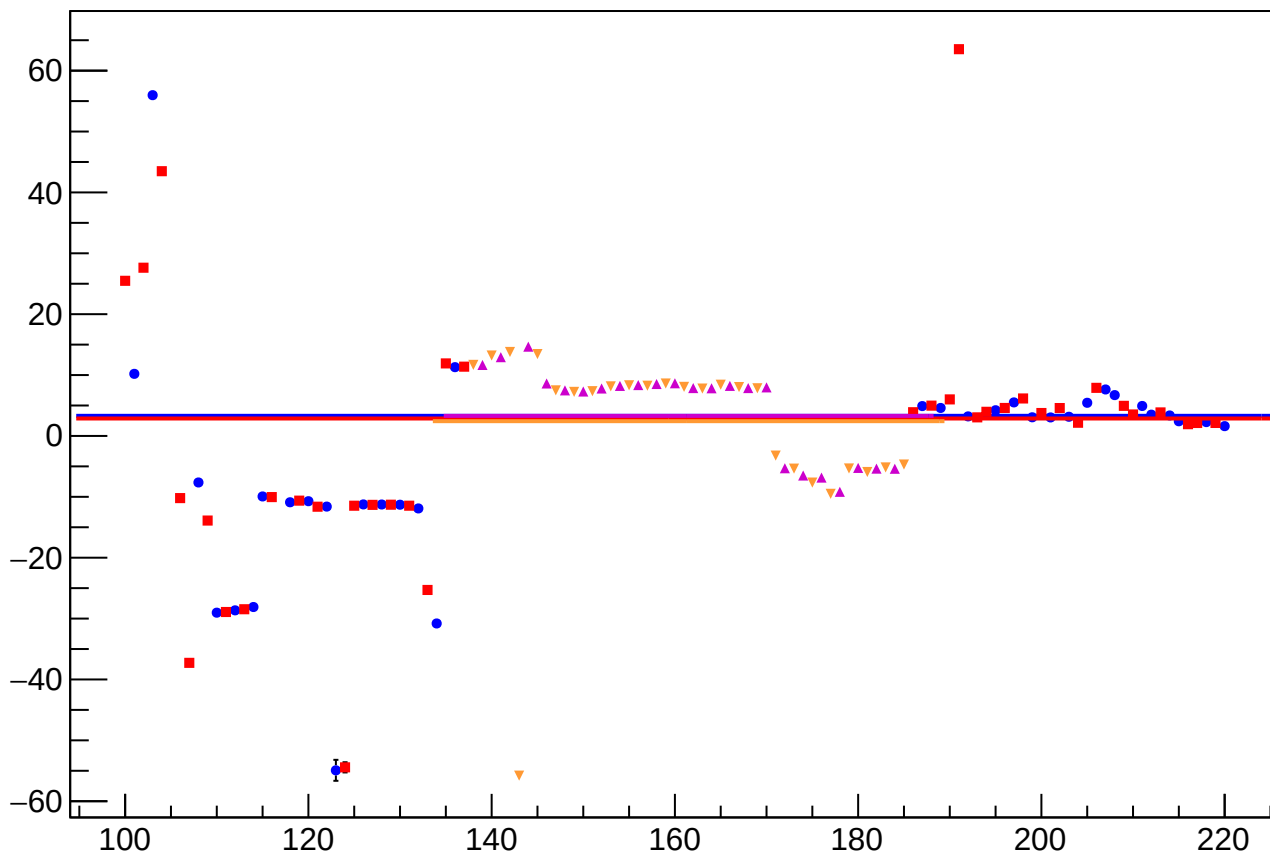
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 3.287 ± 0.227 χ^2/NDF : 2649.5/58

All: 3.079 ± 0.161 χ^2/NDF : 5050.9/118

- sign 2.866 ± 0.229 χ^2/NDF : 2399.6/59

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 3.305 ± 0.024 χ^2/NDF : 362530.1/33

Left Out: 2.425 ± 0.012 χ^2/NDF : 616382.5/24

Right Out: 2.865 ± 0.024 χ^2/NDF : 434578.6/36

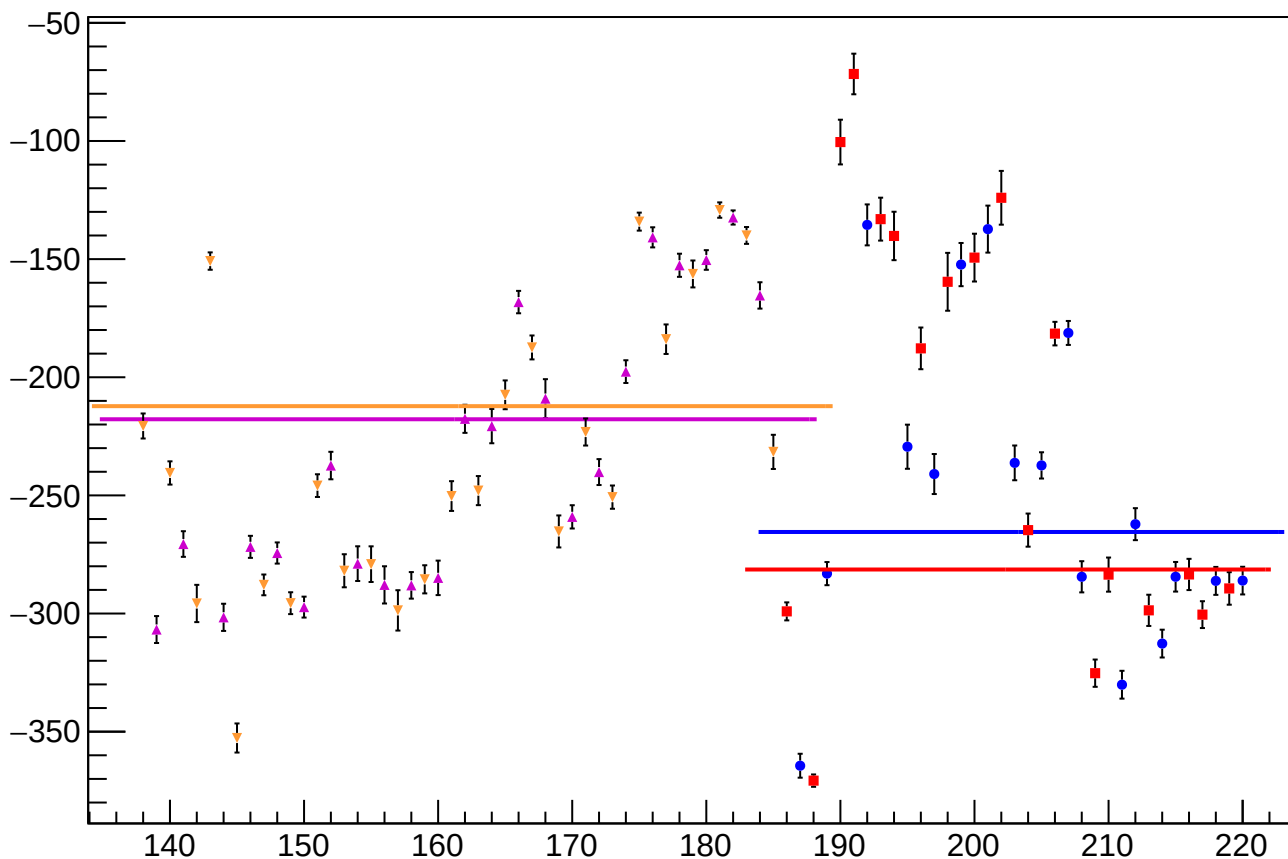
Left In: 3.293 ± 0.012 χ^2/NDF : 404323.8/22

+ sign 2.586 ± 0.010 χ^2/NDF : 979973.5/58

All: 2.898 ± 0.007 χ^2/NDF : 1820912.4/118

- sign 3.212 ± 0.011 χ^2/NDF : 839155.5/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -265.484 ± 1.549 $\chi^2/\text{NDF}: 1507.0/16$

Left Out: -212.231 ± 1.029 $\chi^2/\text{NDF}: 3875.4/24$

Right Out: -281.366 ± 1.405 $\chi^2/\text{NDF}: 3666.4/17$

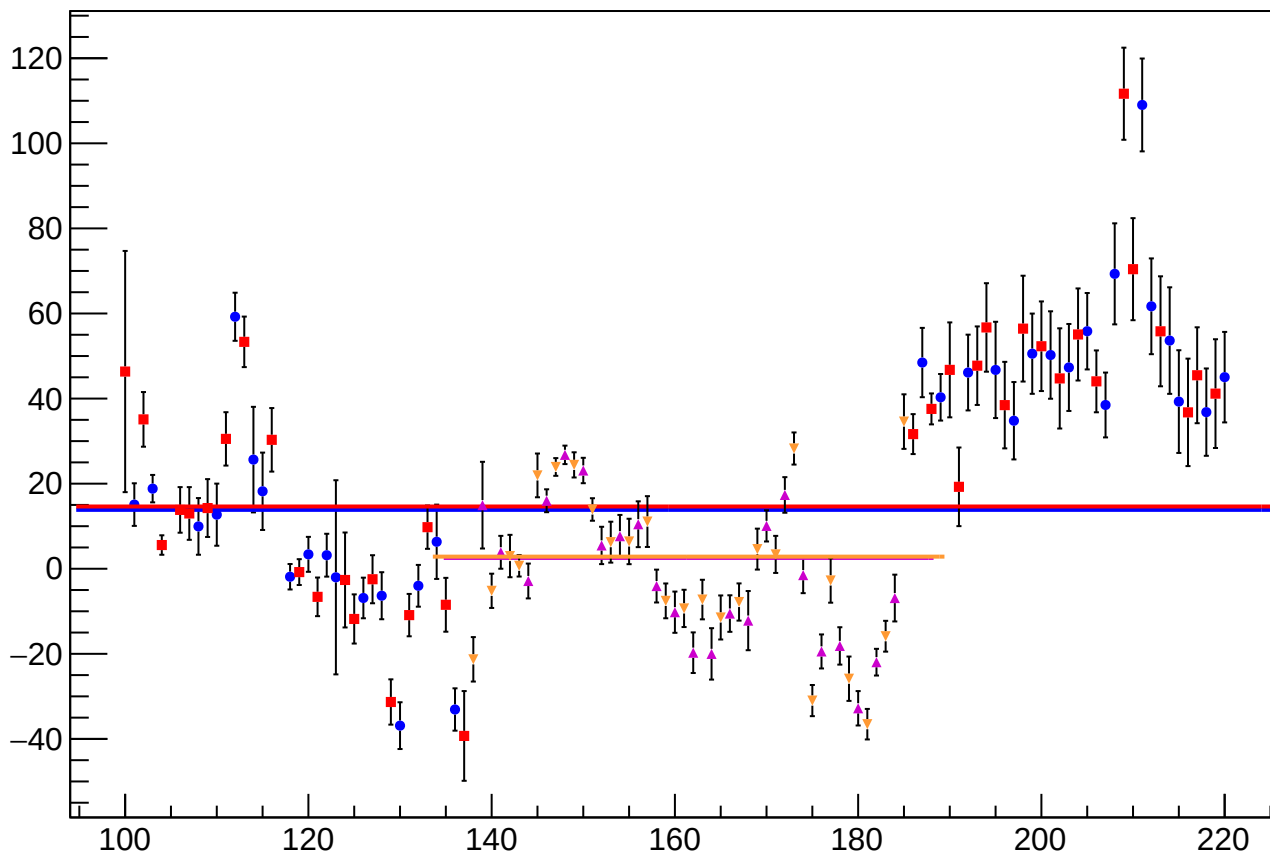
Left In: -217.779 ± 1.067 $\chi^2/\text{NDF}: 3448.9/22$

+ sign -228.550 ± 0.857 $\chi^2/\text{NDF}: 6202.5/41$

All: -234.846 ± 0.603 $\chi^2/\text{NDF}: 14723.9/82$

- sign -241.030 ± 0.850 $\chi^2/\text{NDF}: 8414.5/40$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 13.839 $\pm$ 1.091 χ^2 /NDF: 610.8/33

Left Out: 2.848 $\pm$ 0.775 χ^2 /NDF: 582.1/24

Right Out: 14.631 $\pm$ 0.996 χ^2 /NDF: 585.9/36

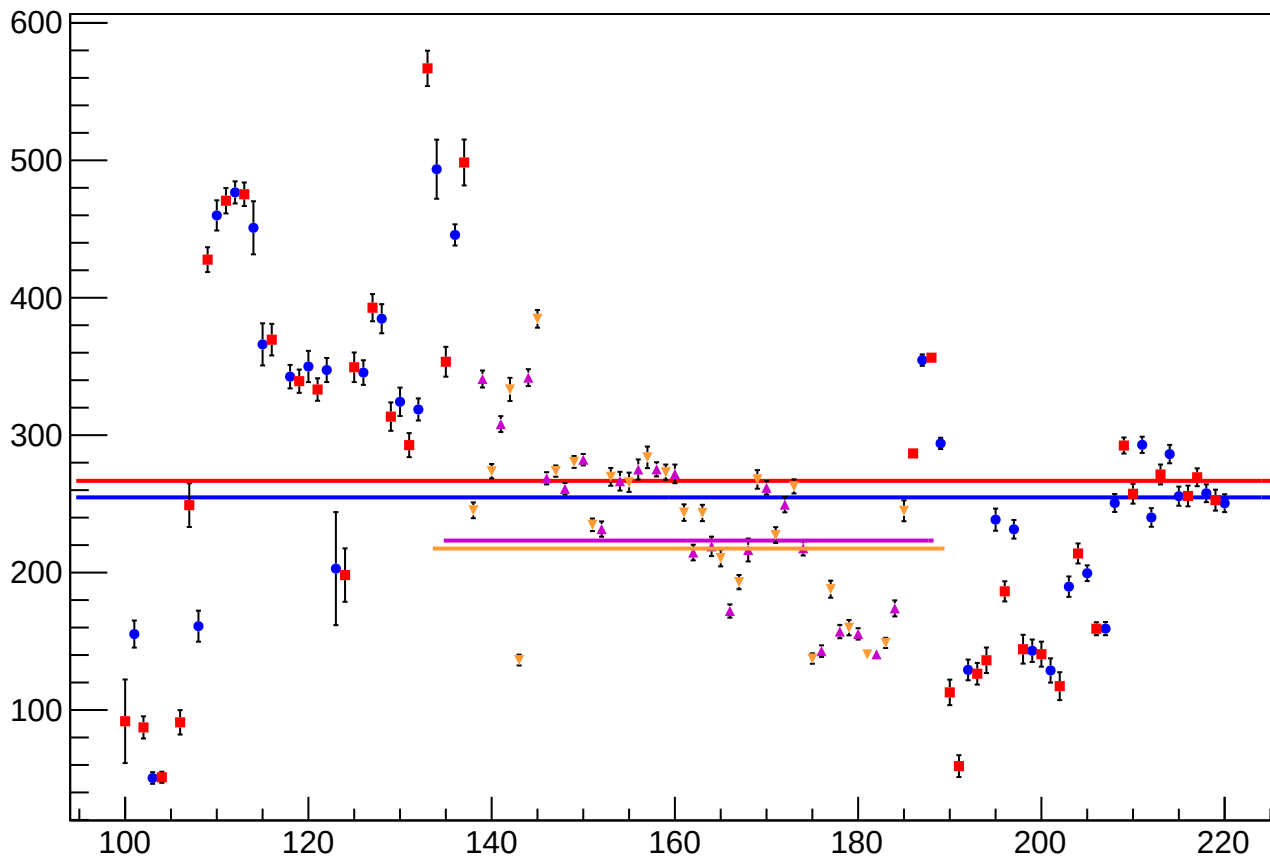
Left In: 2.540 $\pm$ 0.822 χ^2 /NDF: 473.6/22

+ sign 6.531 $\pm$ 0.632 χ^2 /NDF: 1260.4/58

All: 6.986 $\pm$ 0.448 χ^2 /NDF: 2408.7/118

- sign 7.443 $\pm$ 0.634 χ^2 /NDF: 1147.2/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 254.728 $\pm$ 1.231 χ^2 /NDF: 7141.4/33

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 266.753 $\pm$ 1.079 χ^2 /NDF: 11058.0/36

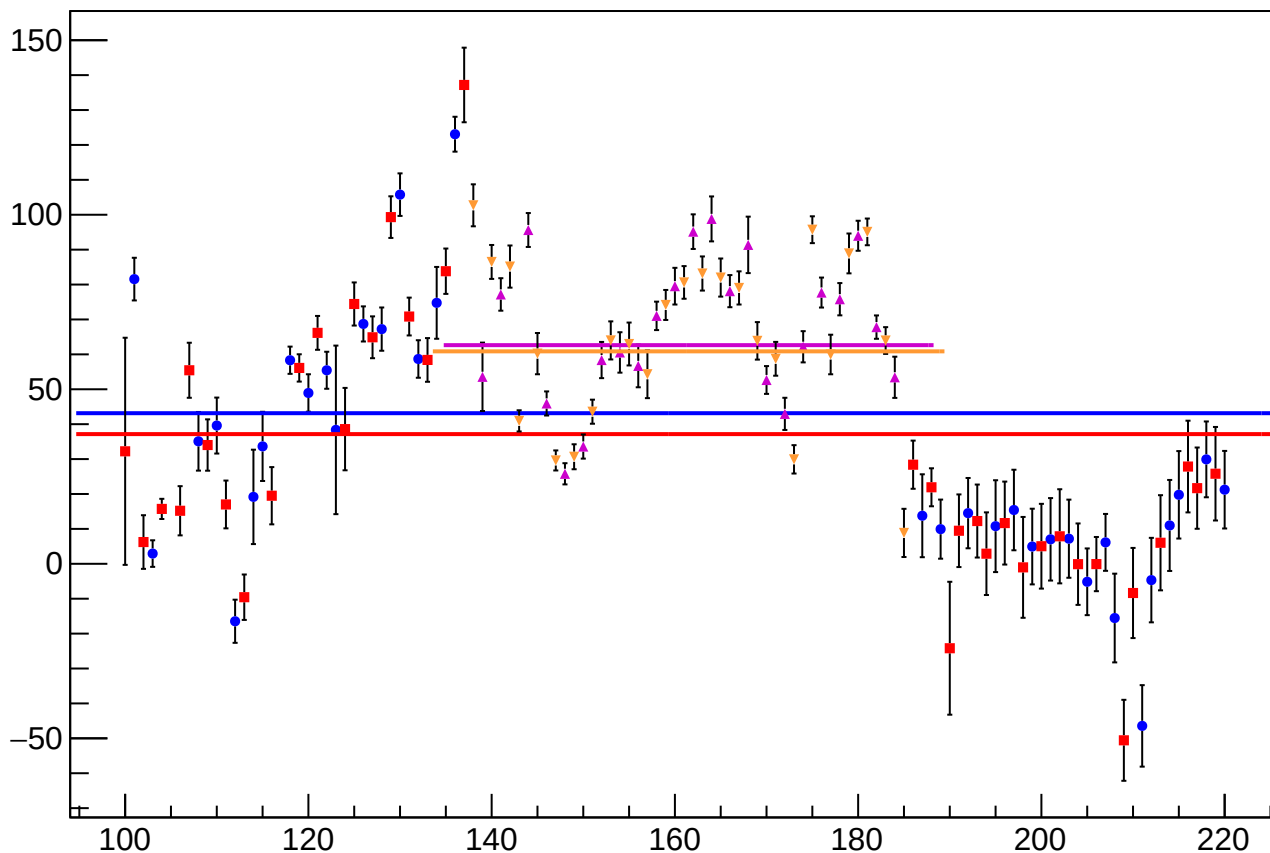
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 232.869 $\pm$ 0.791 χ^2 /NDF: 11448.6/58

All: 239.042 $\pm$ 0.547 χ^2 /NDF: 26825.1/118

- sign 244.693 $\pm$ 0.757 χ^2 /NDF: 15259.8/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 43.147 $\pm$ 1.265 χ^2 /NDF: 921.6/33

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 37.155 $\pm$ 1.187 χ^2 /NDF: 741.8/36

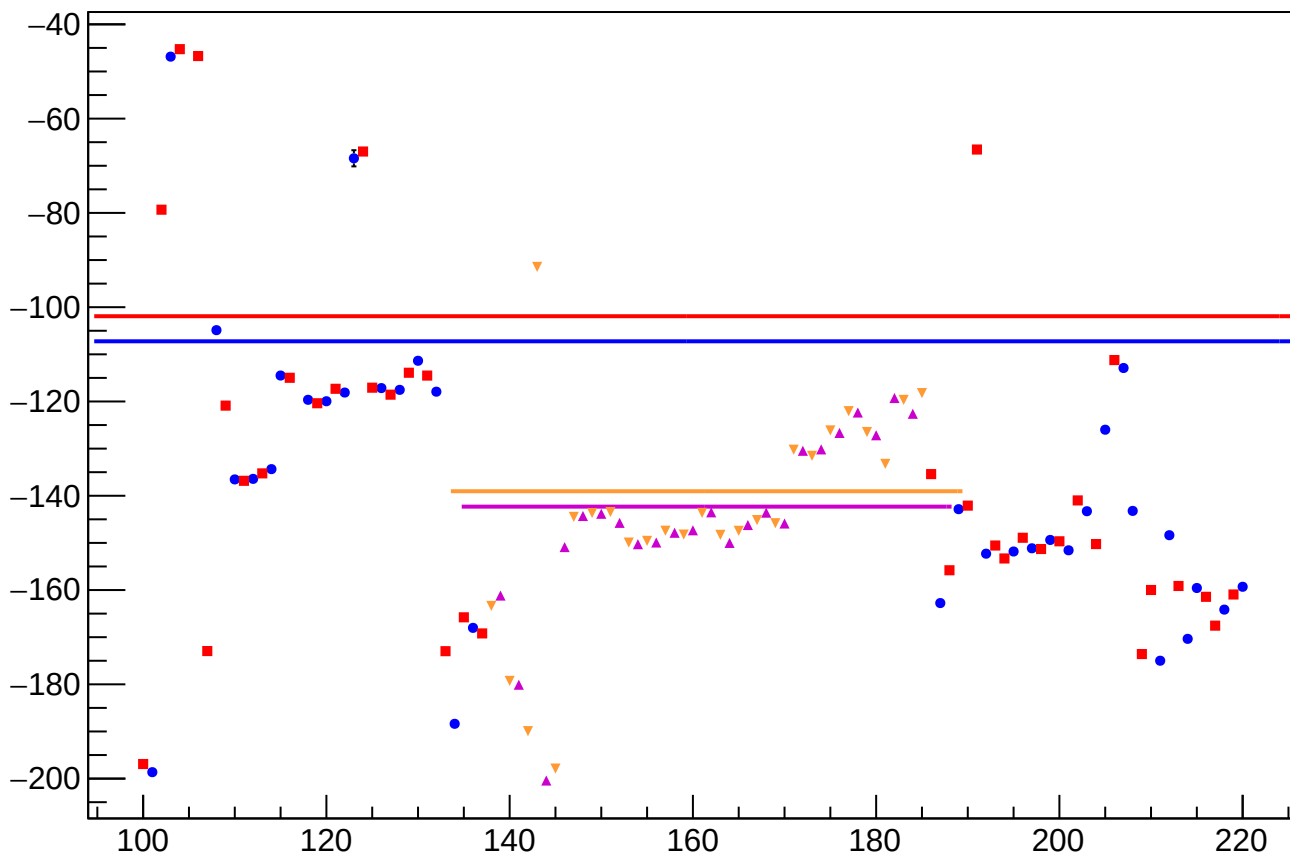
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 54.940 $\pm$ 0.732 χ^2 /NDF: 1783.8/58

All: 53.869 $\pm$ 0.520 χ^2 /NDF: 3328.1/118

- sign 52.780 $\pm$ 0.738 χ^2 /NDF: 1540.0/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -107.235 ± 0.057 χ^2/NDF : 751629.1/33

Left Out: -139.040 ± 0.043 χ^2/NDF : 258113.4/24

Right Out: -101.915 ± 0.054 χ^2/NDF : 785773.0/36

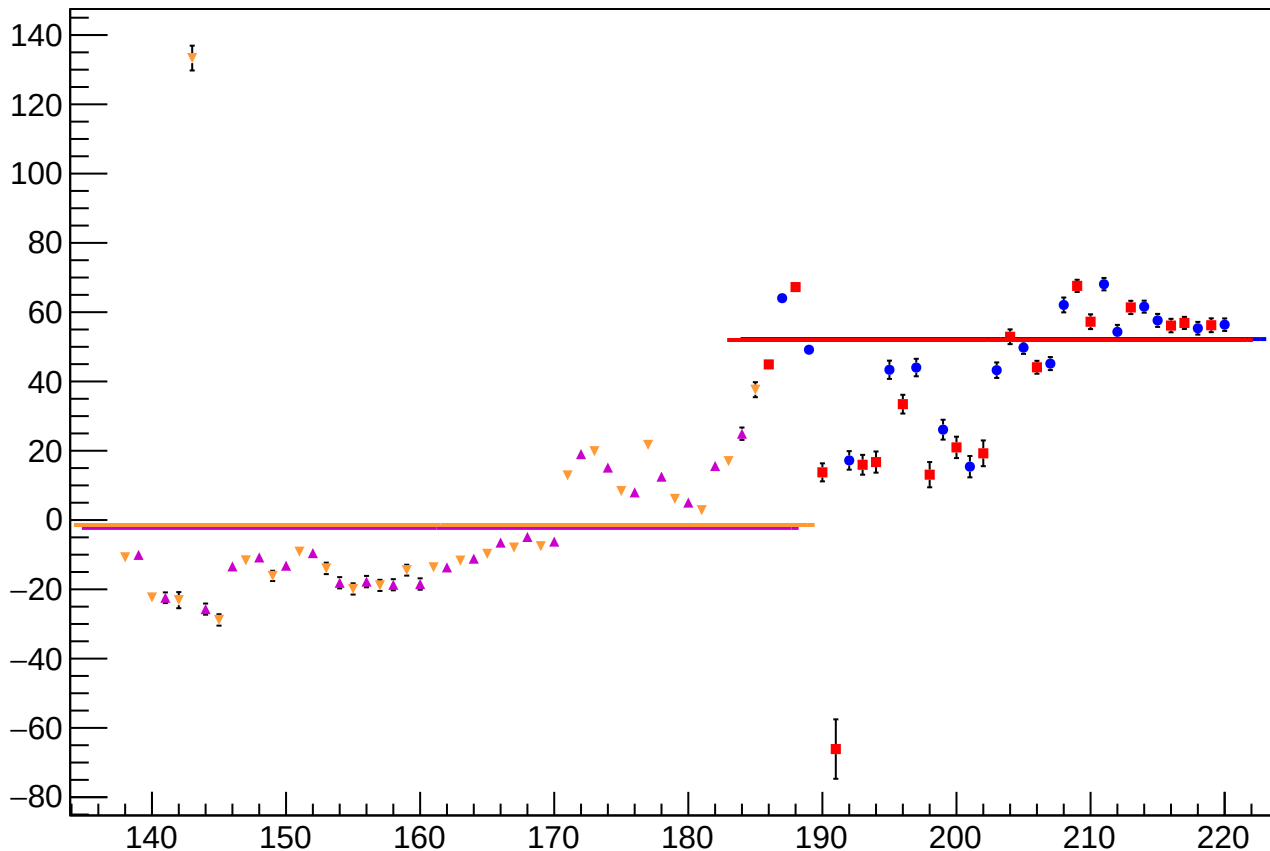
Left In: -142.305 ± 0.044 χ^2/NDF : 143351.8/22

+ sign -127.511 ± 0.034 χ^2/NDF : 1209259.2/58

All: -126.835 ± 0.024 χ^2/NDF : 2474756.8/11

- sign -126.162 ± 0.034 χ^2/NDF : 1264719.0/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 52.237 $\pm$ 0.475 χ^2 /NDF: 672.8/16

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 51.969 $\pm$ 0.410 χ^2 /NDF: 1635.0/17

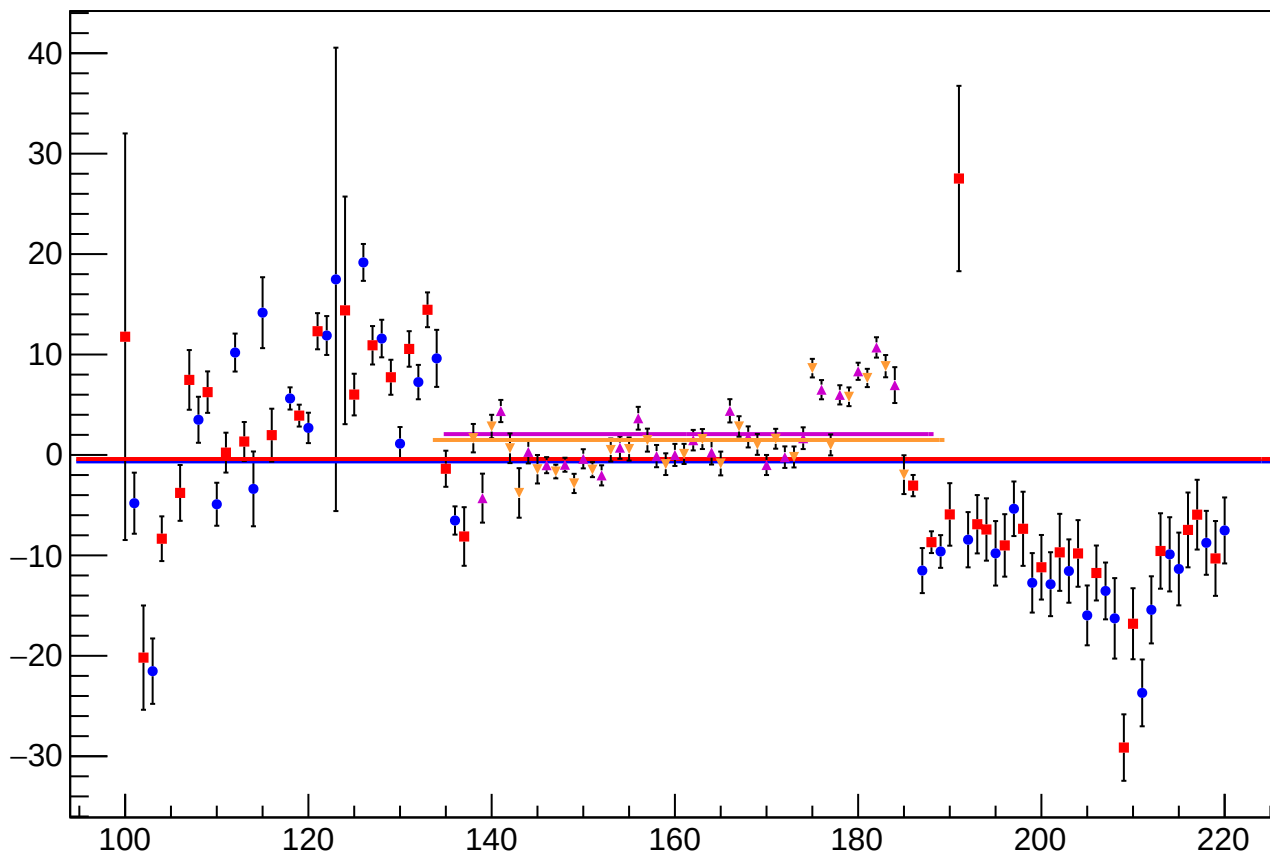
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 11.504 $\pm$ 0.233 χ^2 /NDF: 14700.1/41

All: 12.892 $\pm$ 0.162 χ^2 /NDF: 31108.3/82

- sign 14.194 $\pm$ 0.226 χ^2 /NDF: 16339.6/40

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -0.644 ± 0.390 χ^2/NDF : 665.3/33

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: -0.404 ± 0.363 χ^2/NDF : 557.8/36

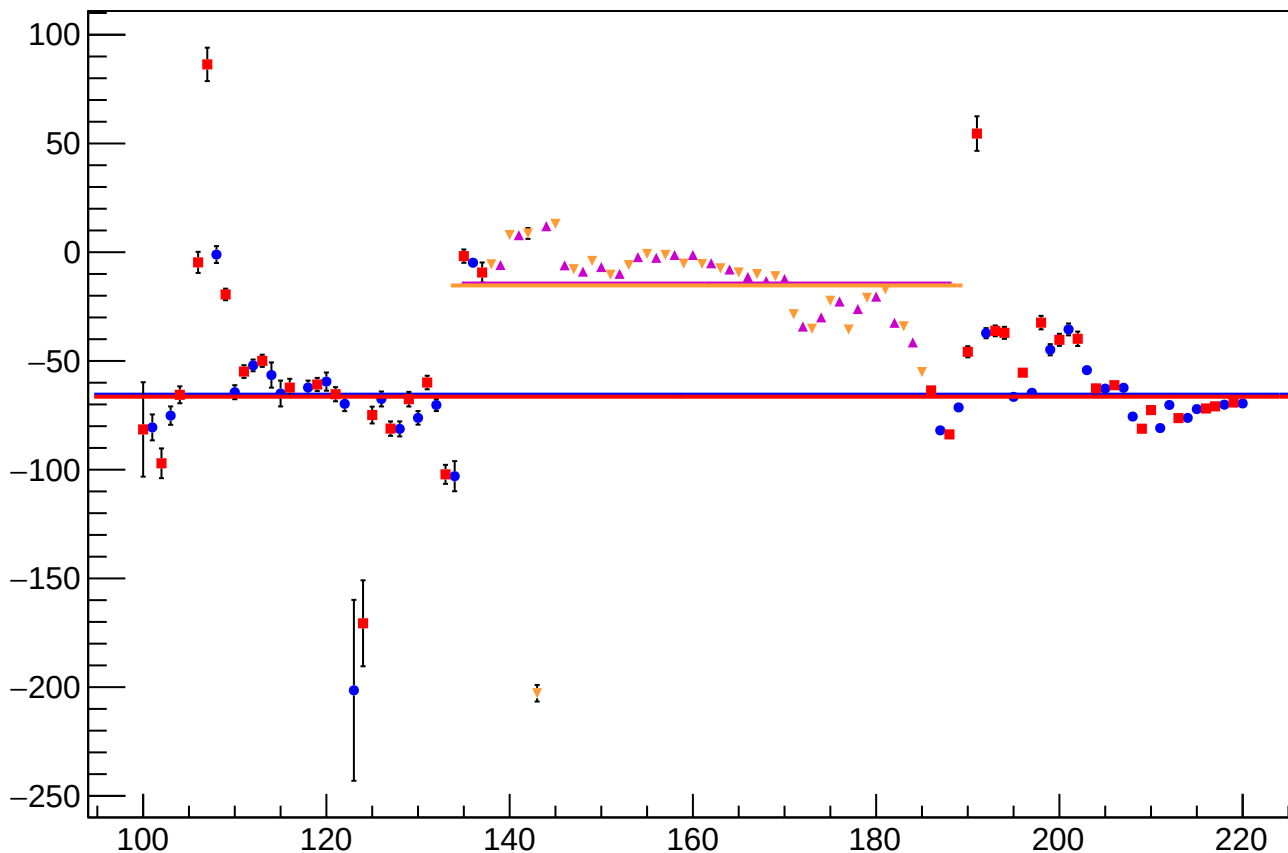
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.011 ± 0.185 χ^2/NDF : 947.6/58

All: 1.221 ± 0.131 χ^2/NDF : 1817.0/118

- sign 1.430 ± 0.185 χ^2/NDF : 866.8/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -65.502 ± 0.401 χ^2/NDF : 1920.0/33

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -66.444 ± 0.334 χ^2/NDF : 3433.7/36

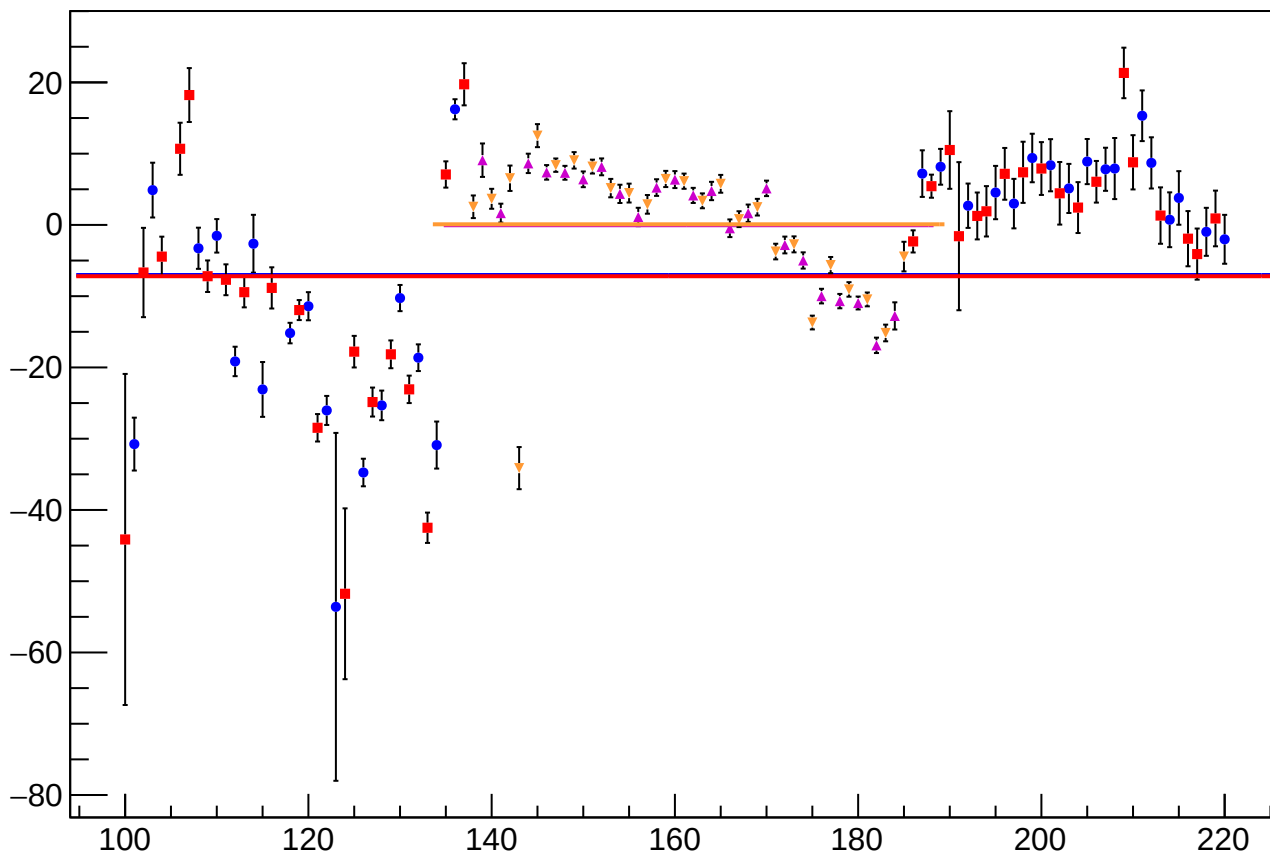
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -30.673 ± 0.222 χ^2/NDF : 17601.8/58

All: -32.889 ± 0.152 χ^2/NDF : 37955.8/118

- sign -34.863 ± 0.210 χ^2/NDF : 20165.8/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -7.030 ± 0.450 χ^2/NDF : 1161.2/33

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -7.201 ± 0.433 χ^2/NDF : 1104.5/36

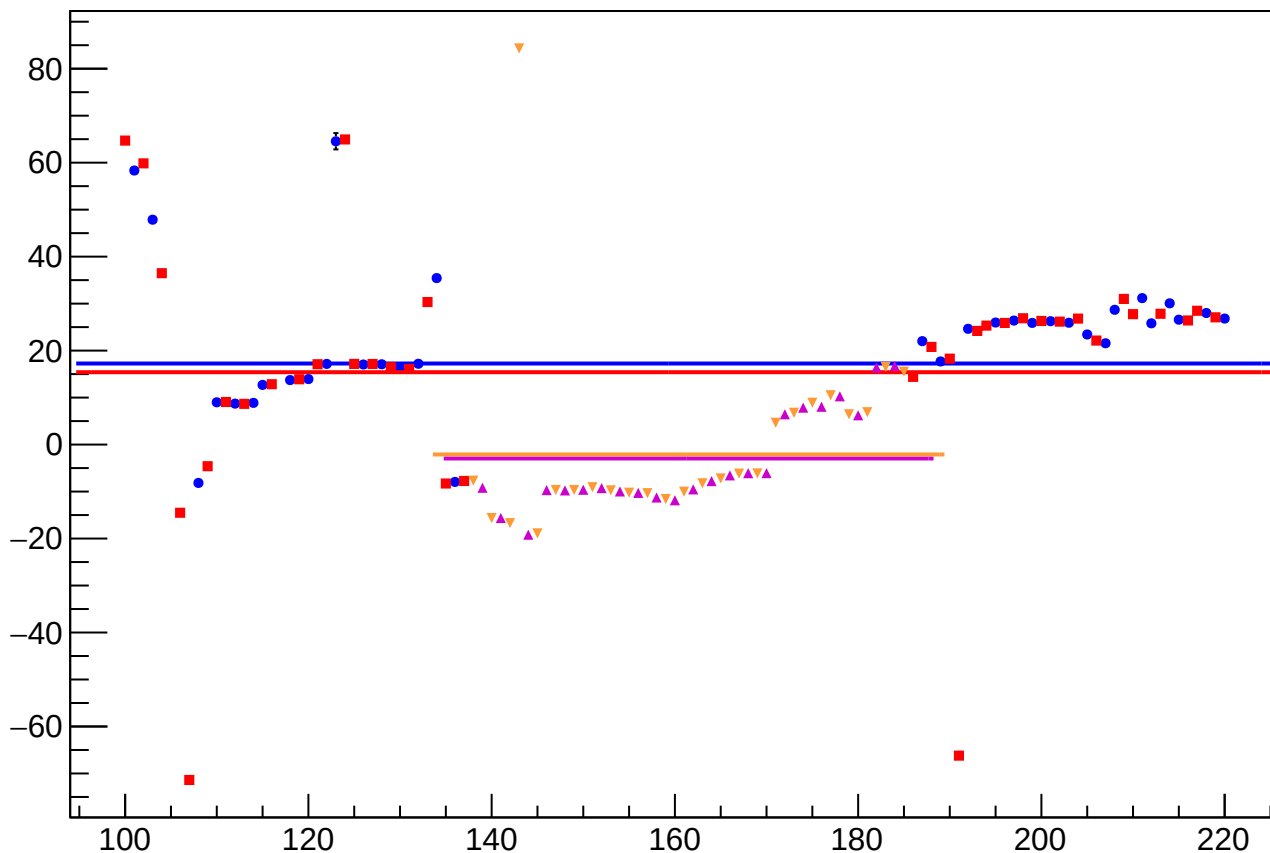
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.473 ± 0.211 χ^2/NDF : 2529.1/58

All: -1.615 ± 0.149 χ^2/NDF : 4870.3/118

- sign -1.758 ± 0.212 χ^2/NDF : 2340.3/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 17.253 ± 0.022 $\chi^2/\text{NDF}: 497962.0/33$

Left Out: -2.105 ± 0.011 $\chi^2/\text{NDF}: 1093120.2/24$

Right Out: 15.402 ± 0.022 $\chi^2/\text{NDF}: 776652.2/36$

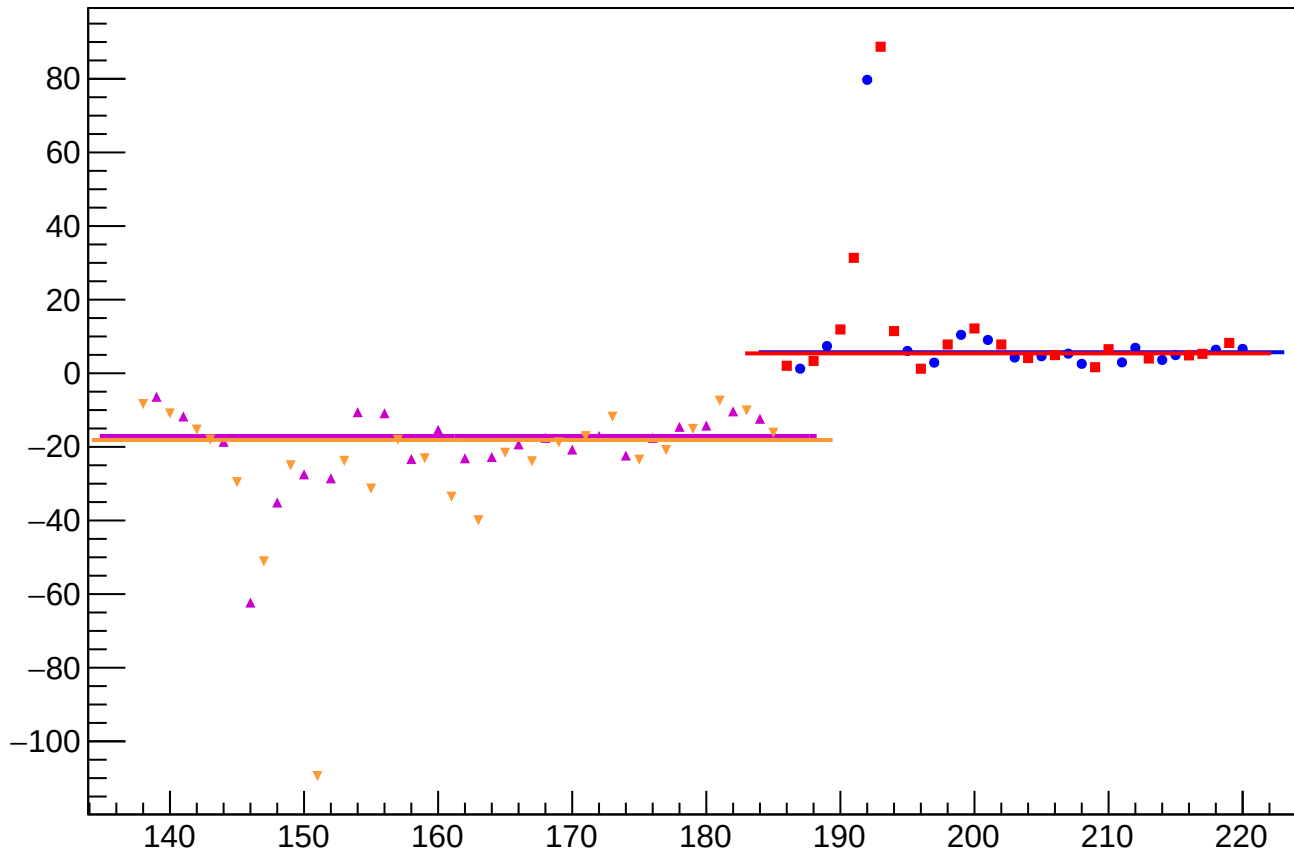
Left In: -2.959 ± 0.011 $\chi^2/\text{NDF}: 763000.9/22$

+ sign 1.612 ± 0.010 $\chi^2/\text{NDF}: 2194367.5/58$

All: 1.151 ± 0.007 $\chi^2/\text{NDF}: 4291492.7/118$

- sign 0.686 ± 0.010 $\chi^2/\text{NDF}: 2092689.3/59$

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 5.716 ± 0.045 $\chi^2/\text{NDF}: 26514.2/16$

Left Out: -18.128 ± 0.039 $\chi^2/\text{NDF}: 88551.6/24$

Right Out: 5.403 ± 0.045 $\chi^2/\text{NDF}: 27114.4/17$

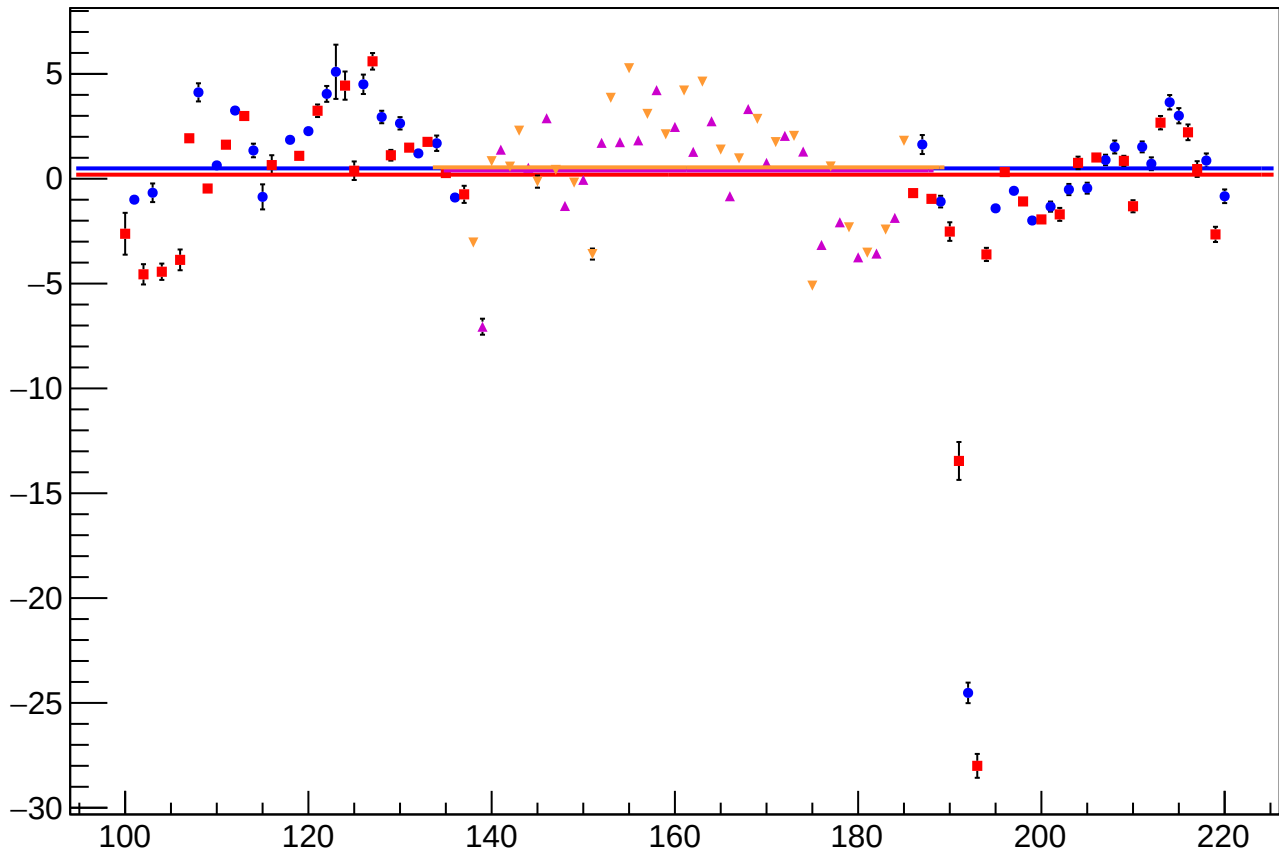
Left In: -17.038 ± 0.038 $\chi^2/\text{NDF}: 44141.1/22$

+ sign -8.053 ± 0.030 $\chi^2/\text{NDF}: 273709.8/41$

All: -7.871 ± 0.021 $\chi^2/\text{NDF}: 489083.0/82$

- sign -7.695 ± 0.029 $\chi^2/\text{NDF}: 215298.8/40$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.493 ± 0.045 χ^2/NDF : 4012.4/33

Left Out: 0.543 ± 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.194 ± 0.043 χ^2/NDF : 4450.6/36

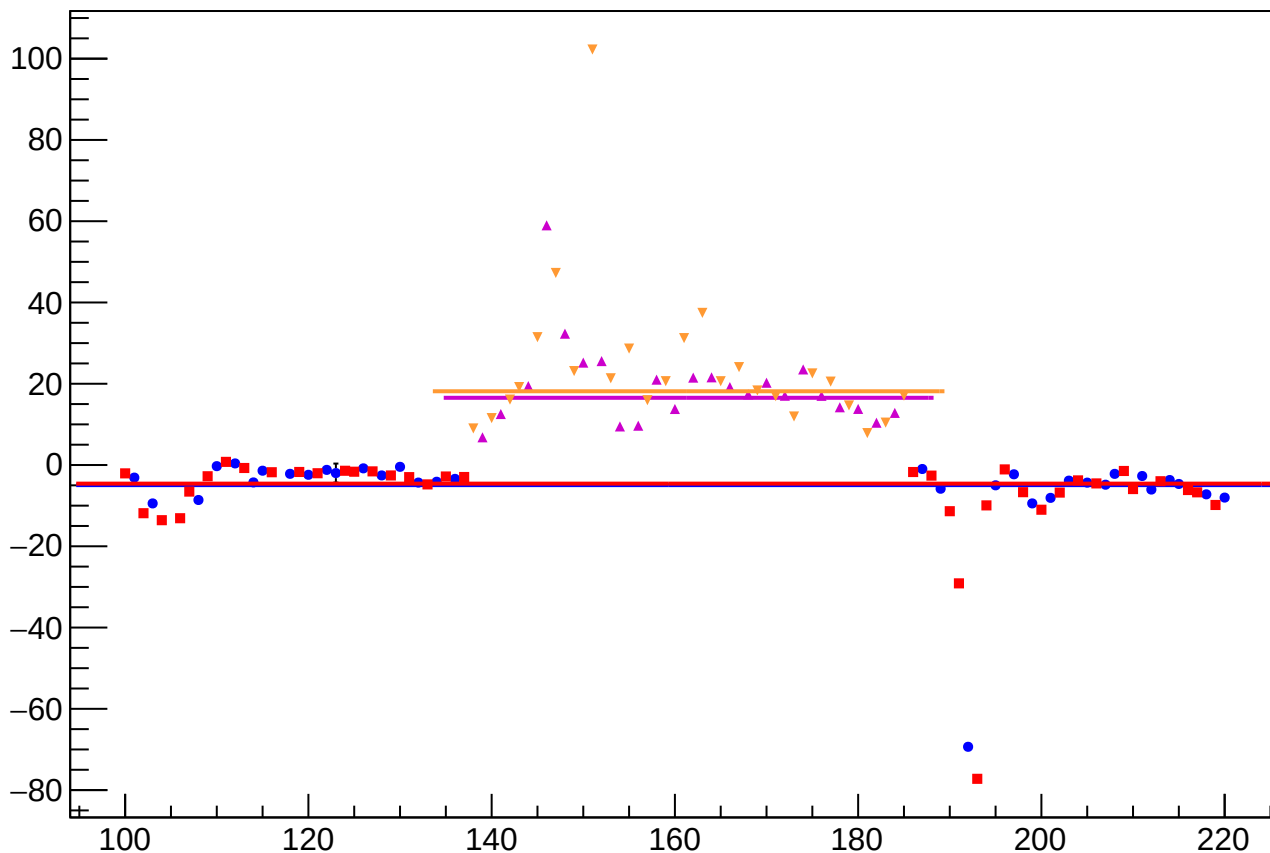
Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

+ sign 0.526 ± 0.026 χ^2/NDF : 11098.4/58

All: 0.423 ± 0.018 χ^2/NDF : 21828.6/118

- sign 0.329 ± 0.025 χ^2/NDF : 10700.8/59

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -4.948 ± 0.041 χ^2/NDF : 27648.4/33

Left Out: 18.150 ± 0.039 χ^2/NDF : 77847.8/24

Right Out: -4.582 ± 0.039 χ^2/NDF : 29038.1/36

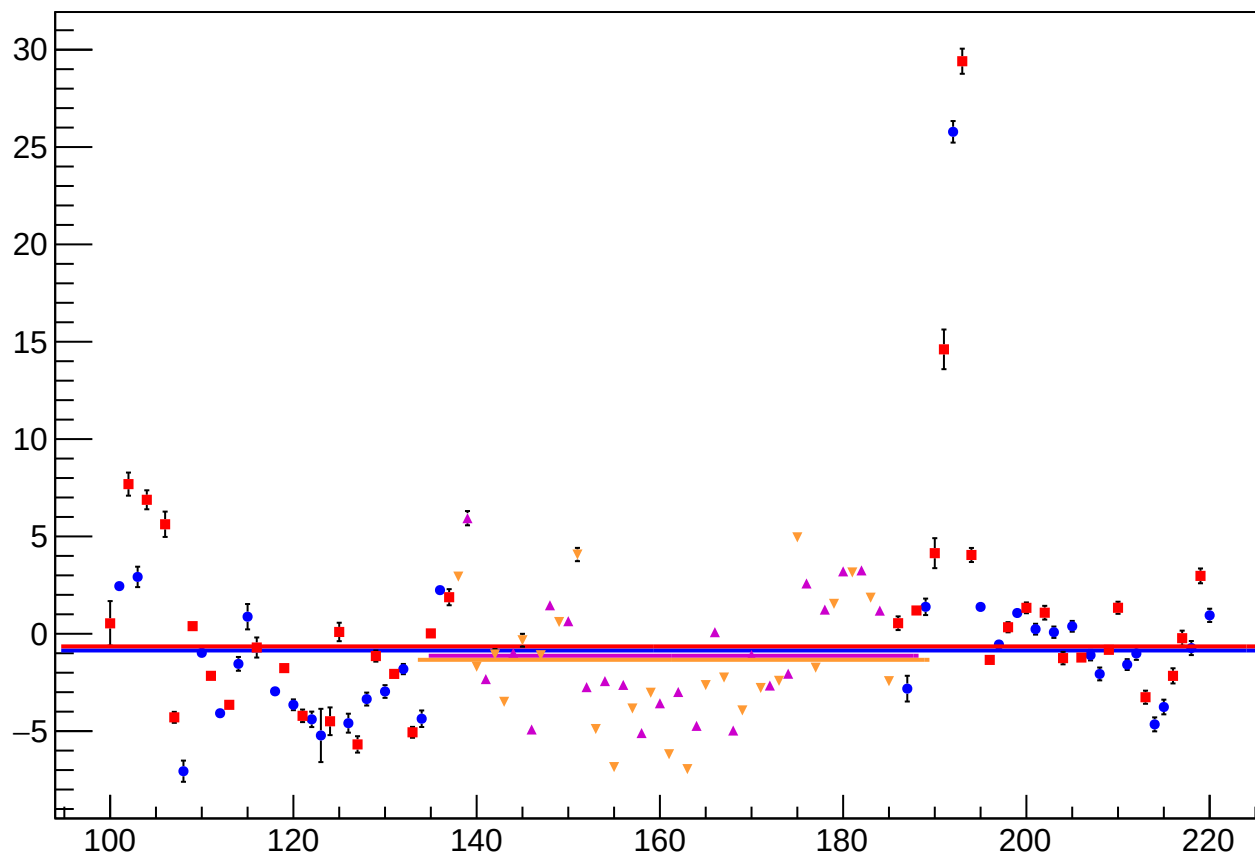
Left In: 16.543 ± 0.038 χ^2/NDF : 40855.0/22

+ sign 7.155 ± 0.028 χ^2/NDF : 271668.5/58

All: 6.707 ± 0.020 χ^2/NDF : 493848.4/118

- sign 6.298 ± 0.027 χ^2/NDF : 221701.4/59

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.858 ± 0.052 χ^2/NDF : 4143.9/33

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.648 ± 0.050 χ^2/NDF : 4683.2/36

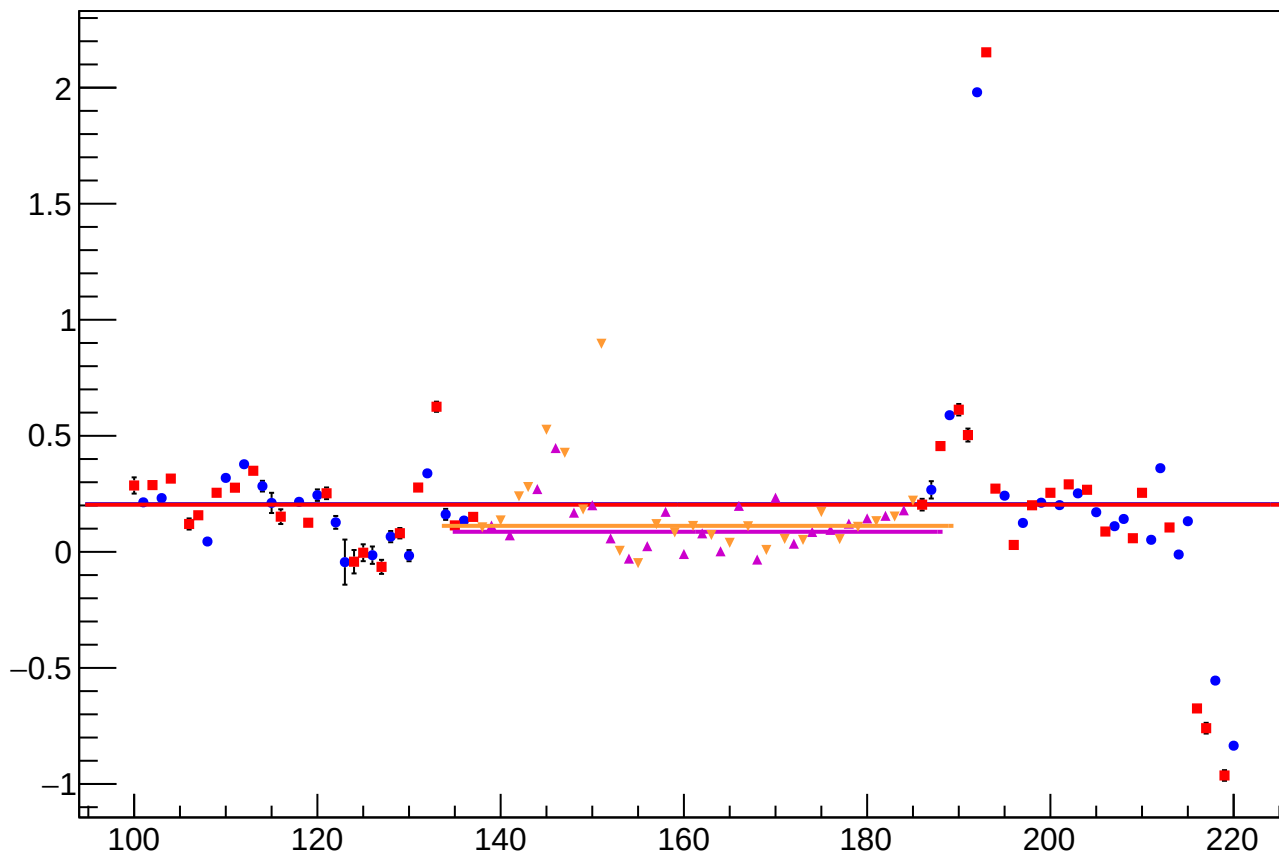
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.181 ± 0.029 χ^2/NDF : 12145.1/58

All: -1.074 ± 0.020 χ^2/NDF : 23657.5/118

- sign -0.976 ± 0.028 χ^2/NDF : 11486.9/59

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.002 χ^2/NDF : 15830.2/33

Left Out: 0.112 ± 0.002 χ^2/NDF : 4503.9/24

Right Out: 0.203 ± 0.002 χ^2/NDF : 18310.7/36

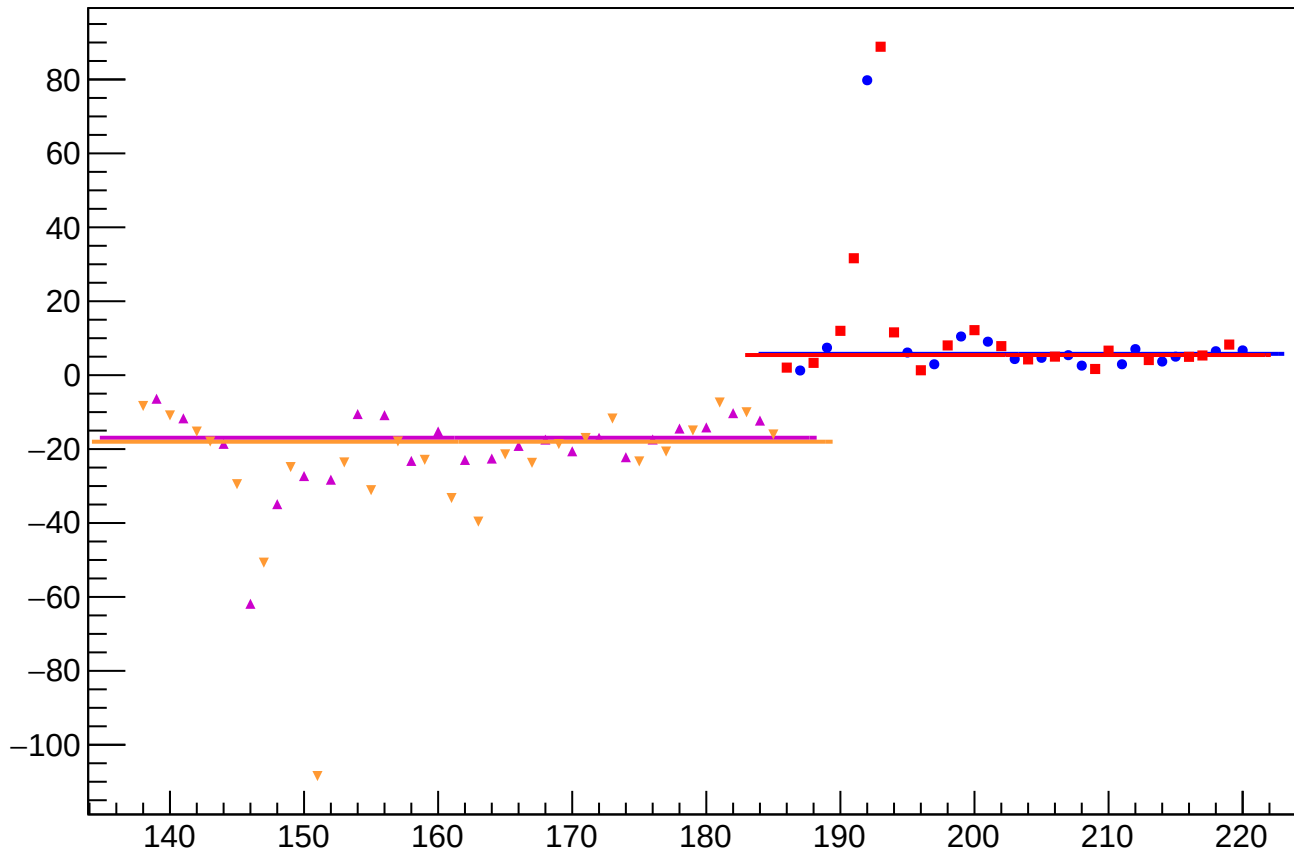
Left In: 0.087 ± 0.002 χ^2/NDF : 3655.4/22

+ sign 0.142 ± 0.001 χ^2/NDF : 21429.2/58

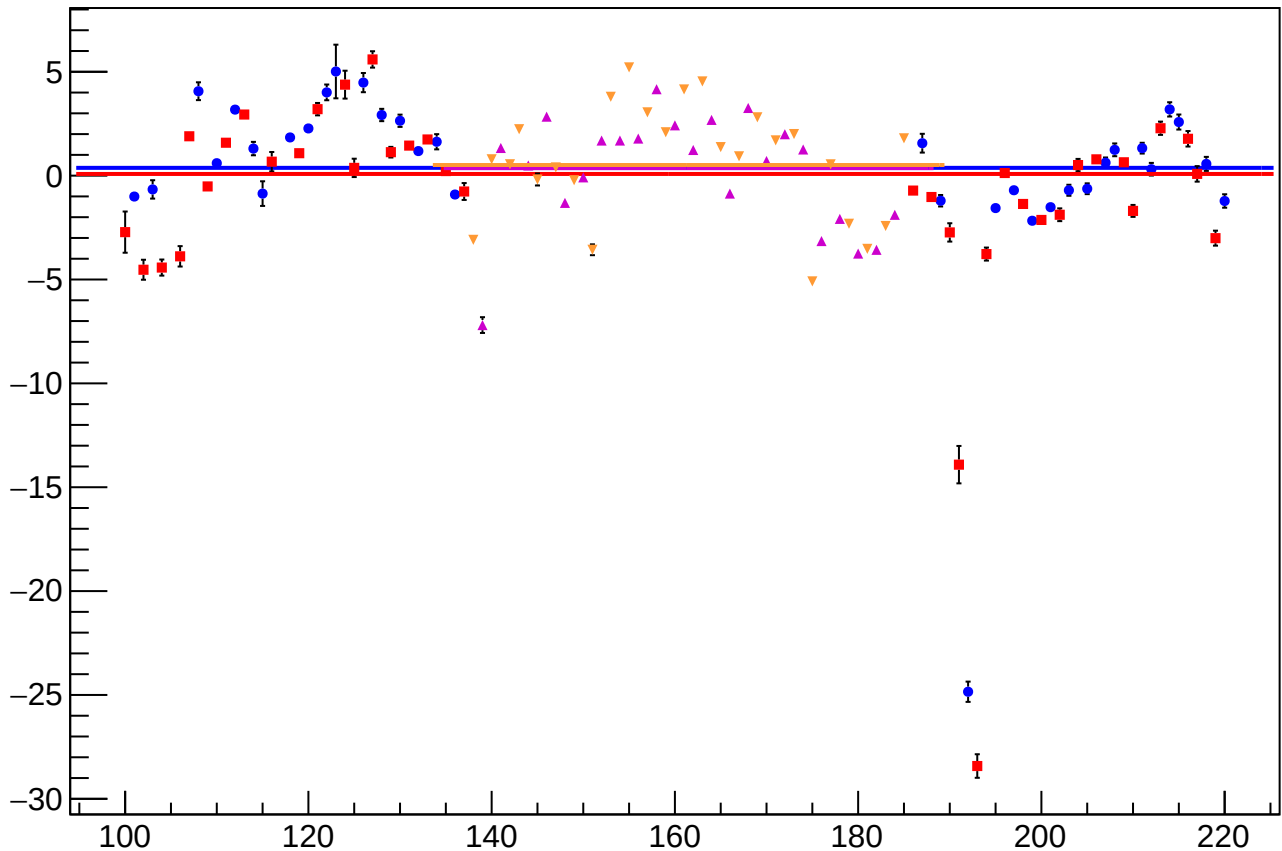
All: 0.132 ± 0.001 χ^2/NDF : 45352.5/118

- sign 0.122 ± 0.001 χ^2/NDF : 23797.3/59

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.376 ± 0.045 χ^2/NDF : 4115.5/33

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.081 ± 0.043 χ^2/NDF : 4609.1/36

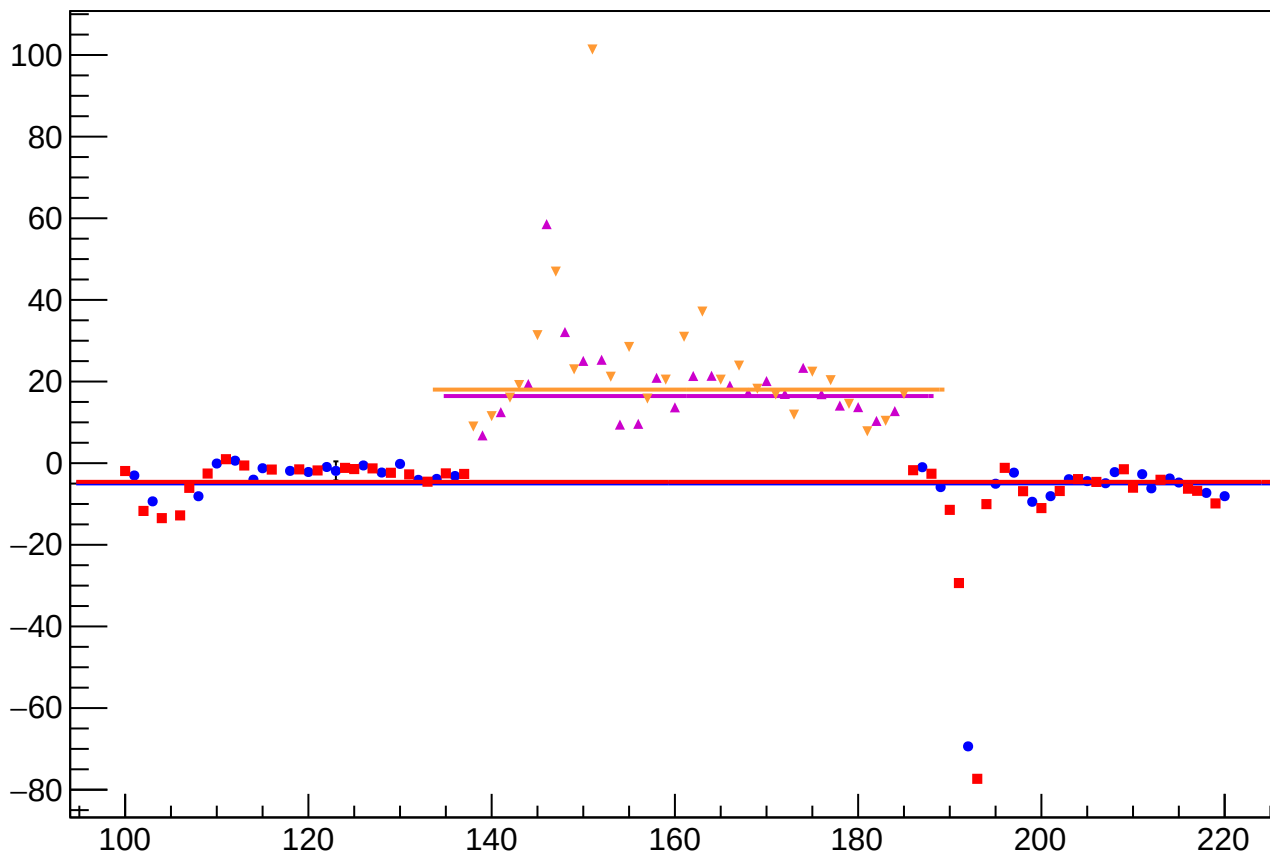
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.466 ± 0.026 χ^2/NDF : 11191.9/58

All: 0.361 ± 0.018 χ^2/NDF : 22080.2/118

- sign 0.267 ± 0.025 χ^2/NDF : 10858.0/59

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -4.957 $\pm$ 0.041 χ^2 /NDF: 27989.1/33

Left Out: 18.027 $\pm$ 0.039 χ^2 /NDF: 77718.1/24

Right Out: -4.575 $\pm$ 0.039 χ^2 /NDF: 29534.9/36

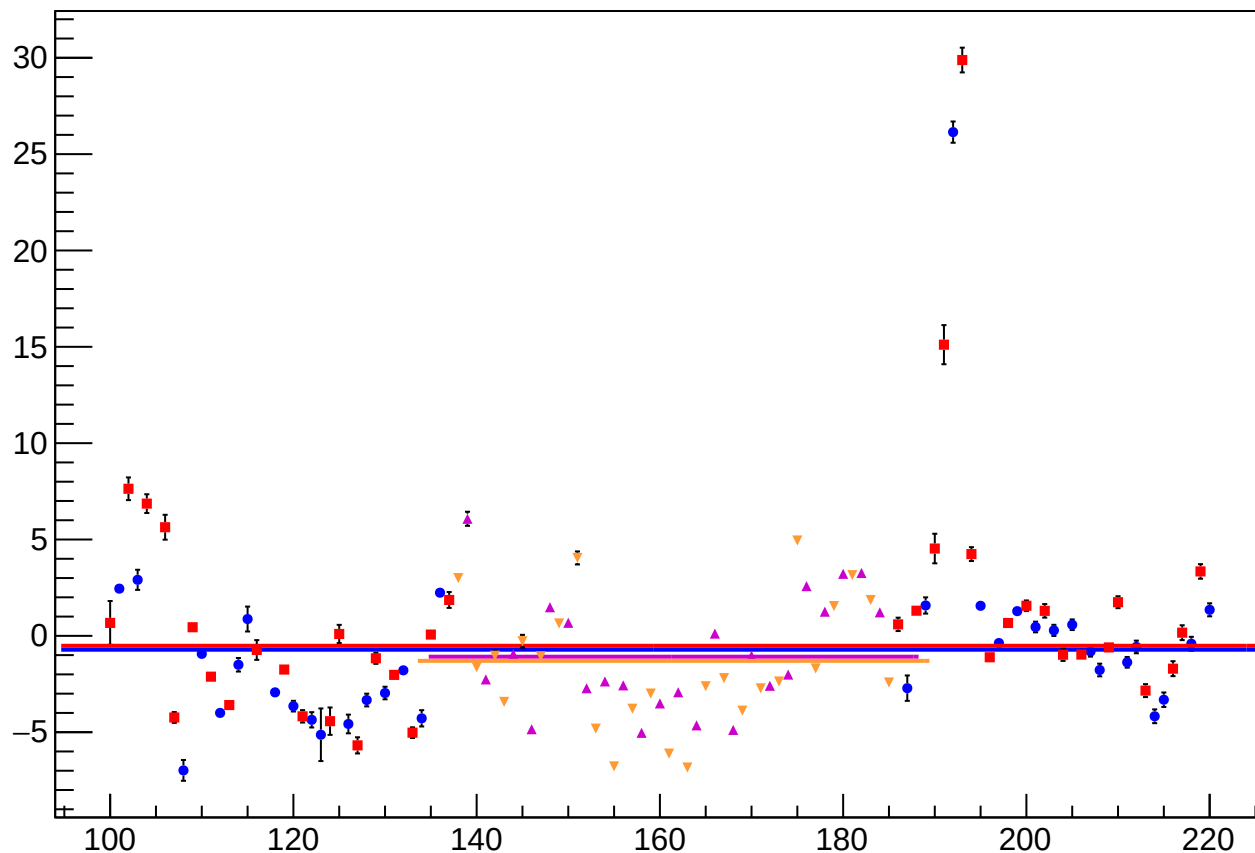
Left In: 16.443 $\pm$ 0.038 χ^2 /NDF: 40780.6/22

+ sign 7.116 $\pm$ 0.028 χ^2 /NDF: 272111.6/58

All: 6.665 $\pm$ 0.019 χ^2 /NDF: 495166.6/118

- sign 6.251 $\pm$ 0.027 χ^2 /NDF: 222562.0/59

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.719 ± 0.051 χ^2/NDF : 4225.6/33

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.515 ± 0.050 χ^2/NDF : 4844.7/36

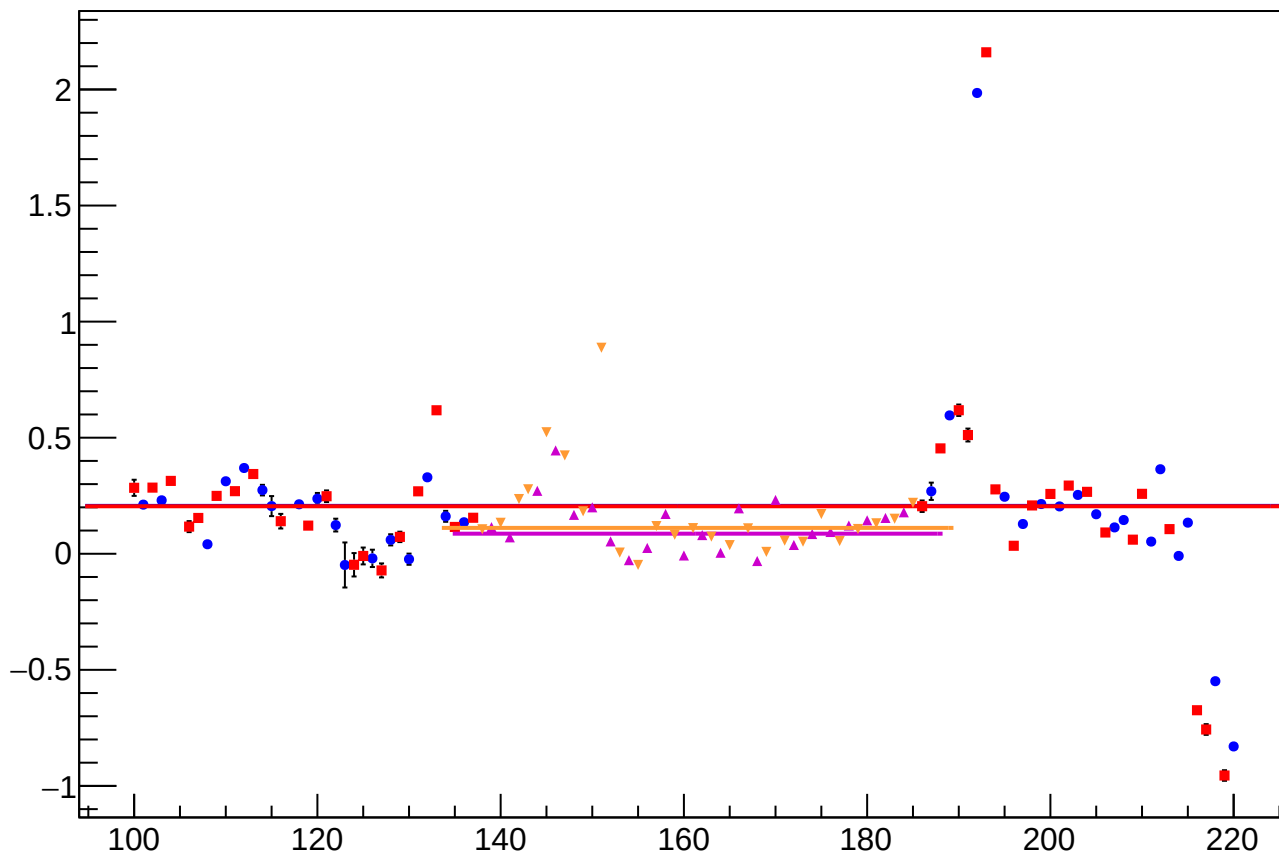
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.109 ± 0.029 χ^2/NDF : 12236.1/58

All: -1.000 ± 0.020 χ^2/NDF : 23920.3/118

- sign -0.901 ± 0.028 χ^2/NDF : 11657.8/59

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.206 ± 0.002 χ^2/NDF : 15961.7/33

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.205 ± 0.002 χ^2/NDF : 18459.9/36

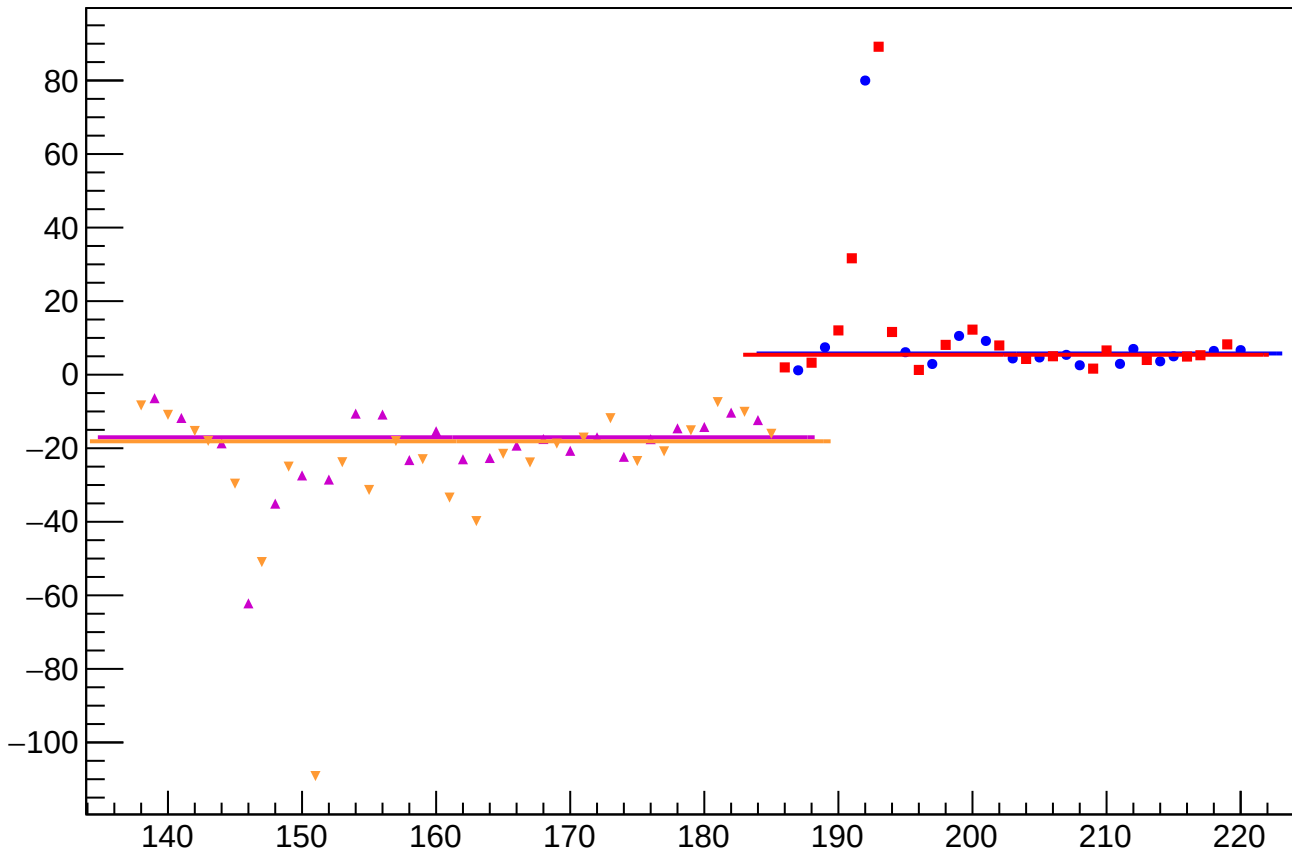
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.142 ± 0.001 χ^2/NDF : 21600.6/58

All: 0.132 ± 0.001 χ^2/NDF : 45695.8/118

- sign 0.122 ± 0.001 χ^2/NDF : 23975.2/59

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 5.767 ± 0.046 χ^2/NDF : 26723.8/16

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 5.423 ± 0.045 χ^2/NDF : 27487.5/17

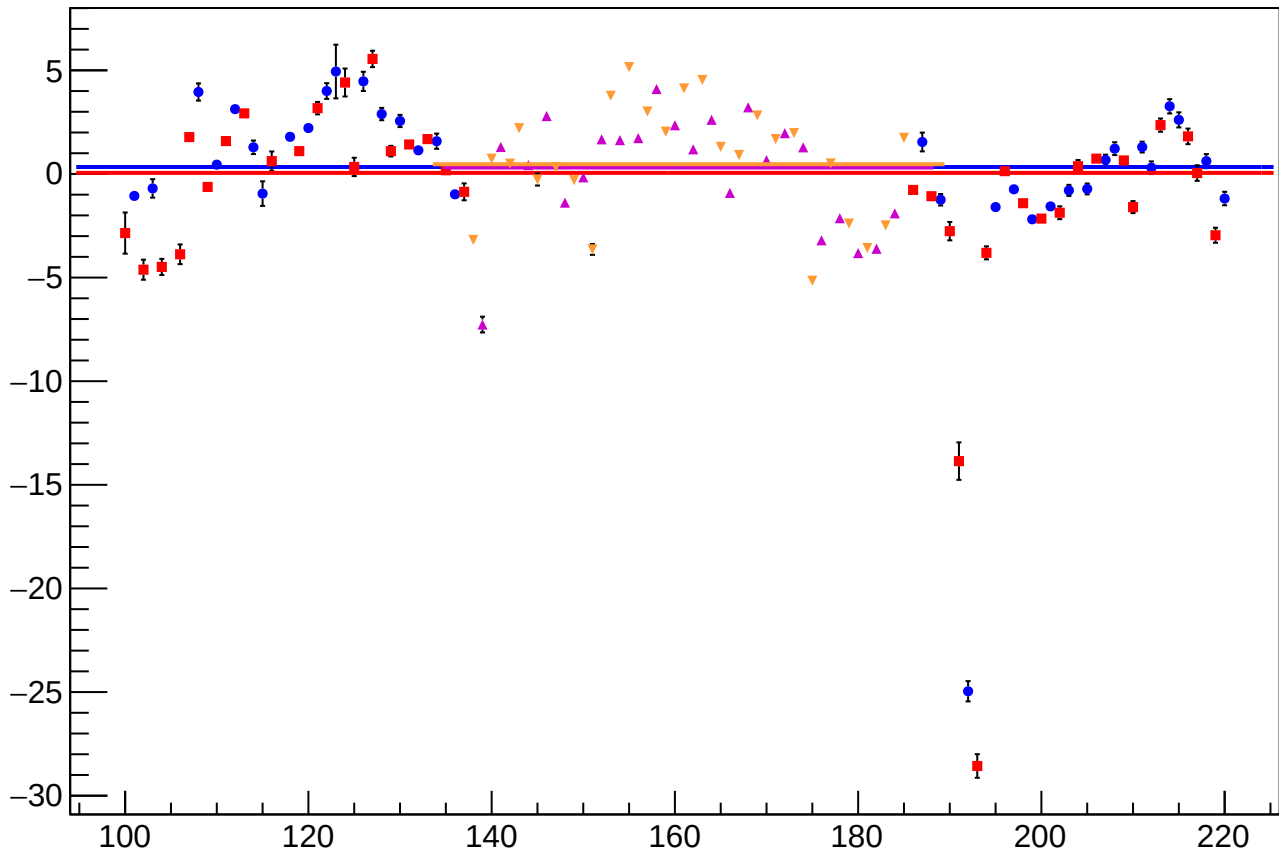
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -8.085 ± 0.030 χ^2/NDF : 274253.0/41

All: -7.888 ± 0.021 χ^2/NDF : 490572.9/82

- sign -7.697 ± 0.029 χ^2/NDF : 216232.3/40

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.336 $\pm$ 0.045 χ^2 /NDF: 4108.5/33

Left Out: 0.469 $\pm$ 0.032 χ^2 /NDF: 7093.0/24

Right Out: 0.052 $\pm$ 0.043 χ^2 /NDF: 4597.2/36

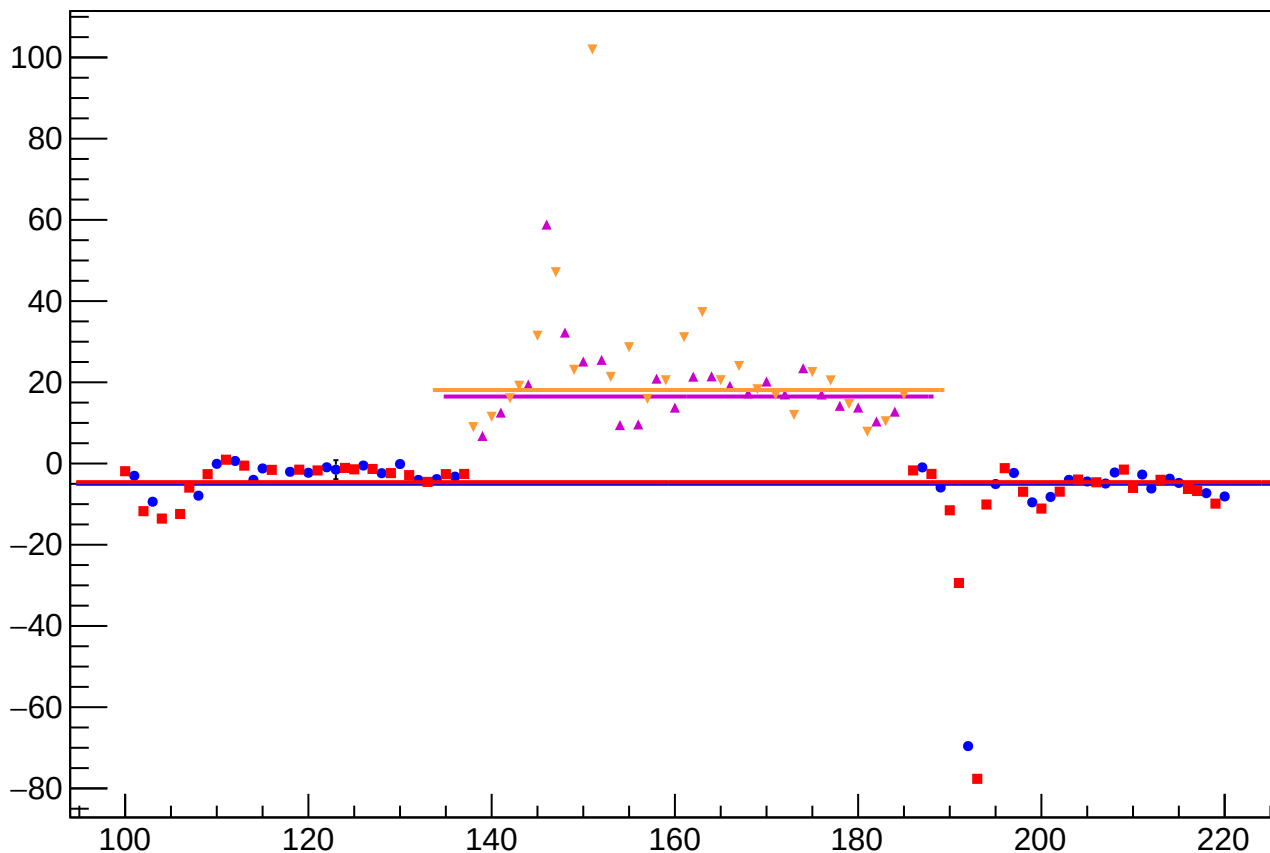
Left In: 0.311 $\pm$ 0.031 χ^2 /NDF: 6183.1/22

+ sign 0.424 $\pm$ 0.026 χ^2 /NDF: 11207.2/58

All: 0.319 $\pm$ 0.018 χ^2 /NDF: 22041.7/118

- sign 0.224 $\pm$ 0.025 χ^2 /NDF: 10804.1/59

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -4.985 ± 0.041 χ^2/NDF : 27975.2/33

Left Out: 18.101 ± 0.039 χ^2/NDF : 77839.7/24

Right Out: -4.581 ± 0.039 χ^2/NDF : 29531.4/36

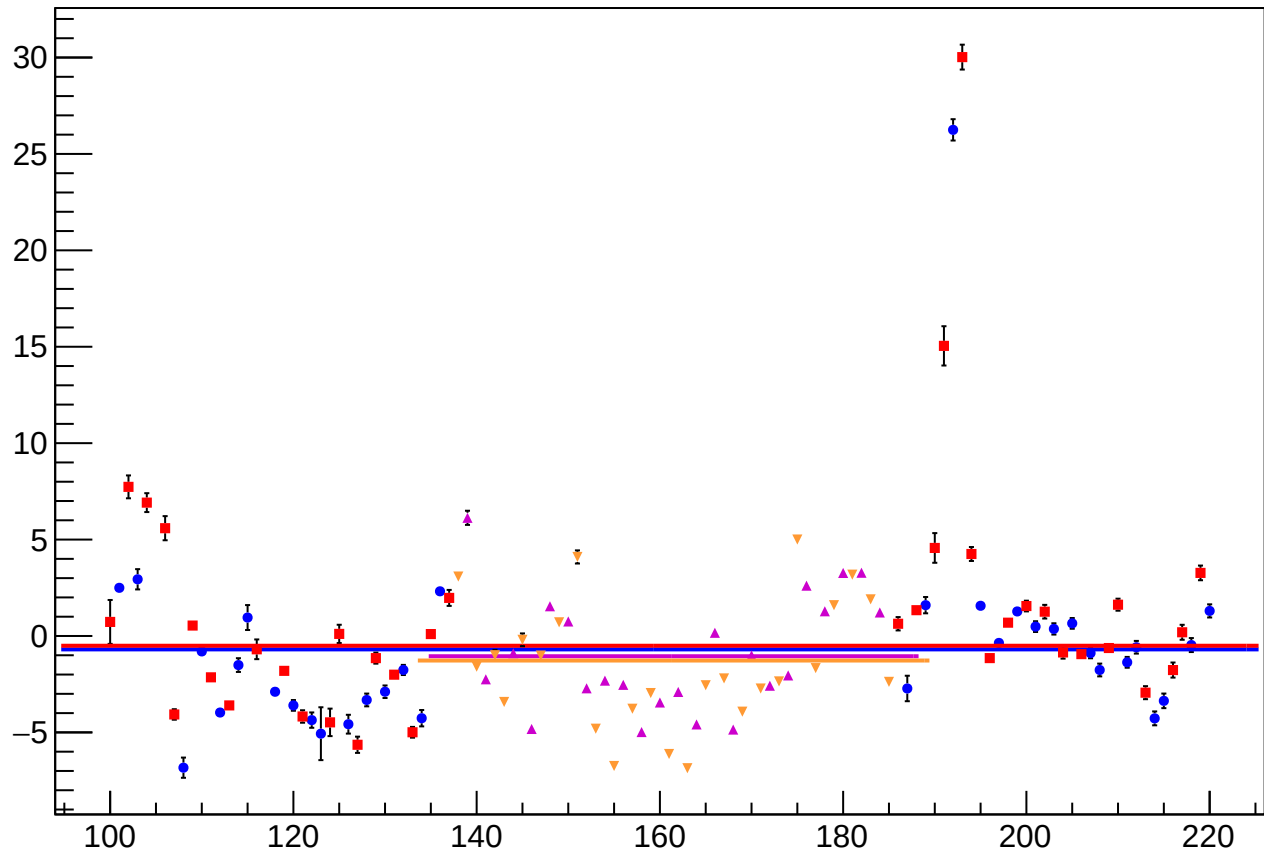
Left In: 16.496 ± 0.038 χ^2/NDF : 40867.3/22

+ sign 7.169 ± 0.028 χ^2/NDF : 271845.1/58

All: 6.705 ± 0.020 χ^2/NDF : 494608.8/118

- sign 6.281 ± 0.027 χ^2/NDF : 222248.9/59

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.695 ± 0.052 $\chi^2/\text{NDF}: 4222.2/33$

Left Out: -1.273 ± 0.036 $\chi^2/\text{NDF}: 7951.6/24$

Right Out: -0.506 ± 0.050 $\chi^2/\text{NDF}: 4833.3/36$

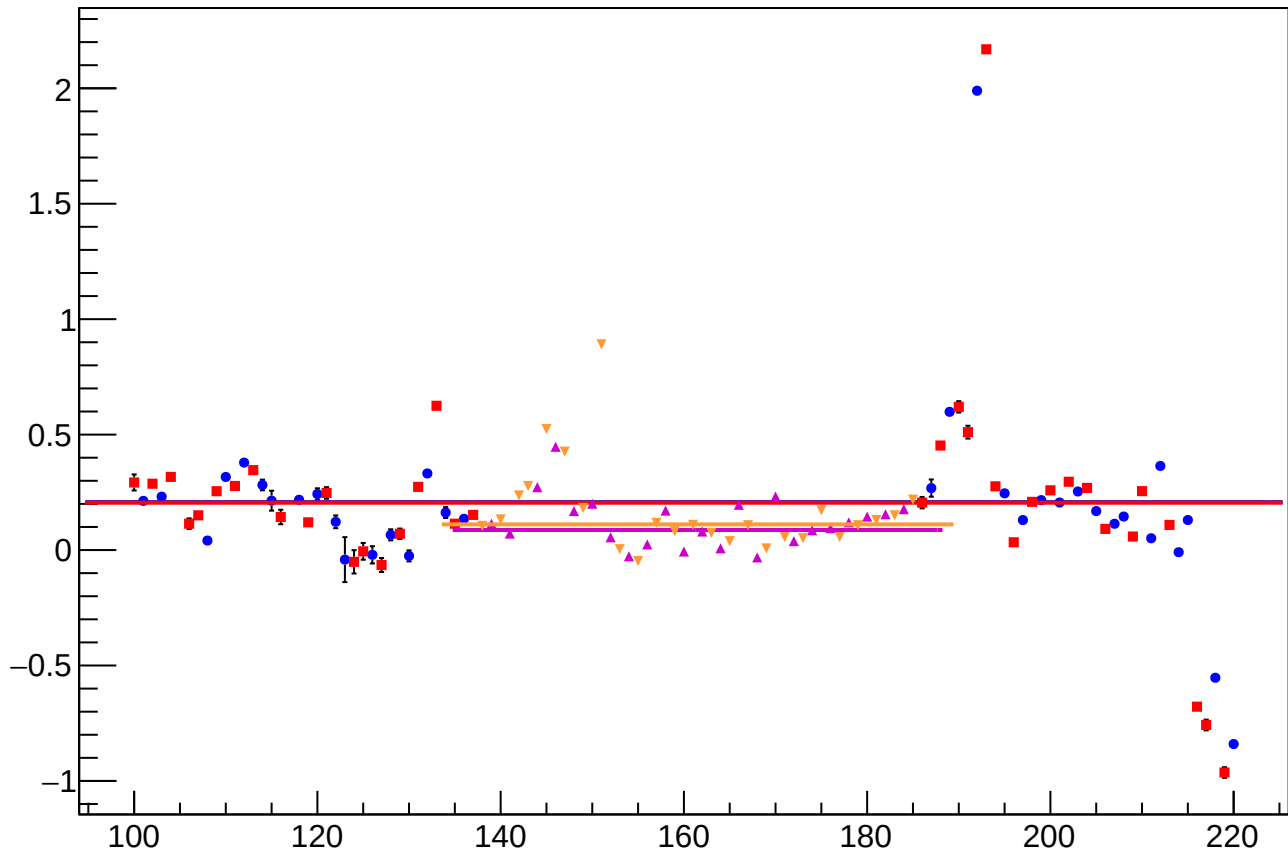
Left In: -1.050 ± 0.034 $\chi^2/\text{NDF}: 6673.4/22$

+ sign -1.086 ± 0.029 $\chi^2/\text{NDF}: 12258.0/58$

All: -0.977 ± 0.020 $\chi^2/\text{NDF}: 23872.5/118$

- sign -0.877 ± 0.028 $\chi^2/\text{NDF}: 11588.2/59$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.002 χ^2 /NDF: 15969.3/33

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF: 4474.5/24

Right Out: 0.205 $\pm$ 0.002 χ^2 /NDF: 18455.5/36

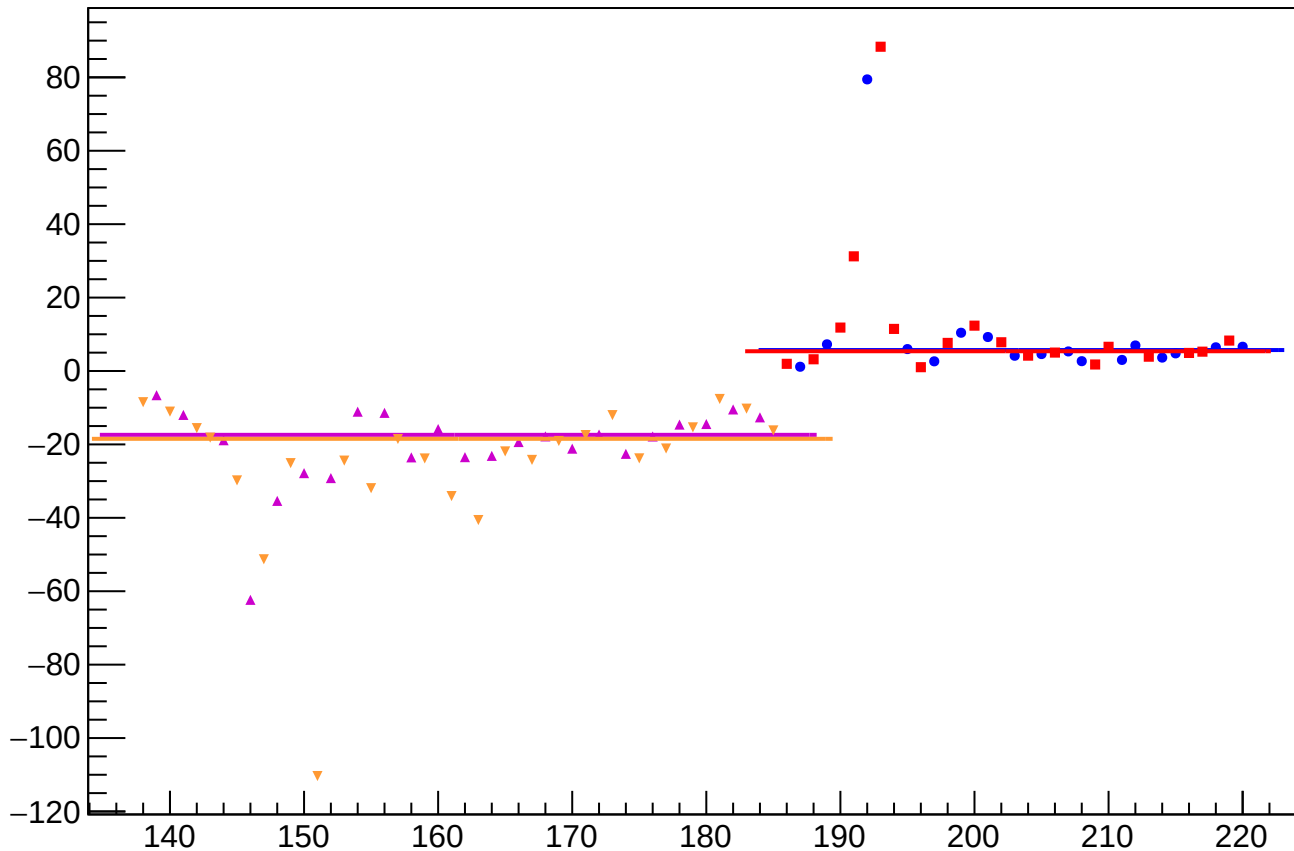
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3598.5/22

+ sign 0.142 $\pm$ 0.001 χ^2 /NDF: 21605.8/58

All: 0.132 $\pm$ 0.001 χ^2 /NDF: 45663.3/118

- sign 0.123 $\pm$ 0.001 χ^2 /NDF: 23941.6/59

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 5.707 ± 0.046 $\chi^2/\text{NDF}: 26246.3/16$

Left Out: -18.479 ± 0.040 $\chi^2/\text{NDF}: 87883.4/24$

Right Out: 5.379 ± 0.045 $\chi^2/\text{NDF}: 26914.2/17$

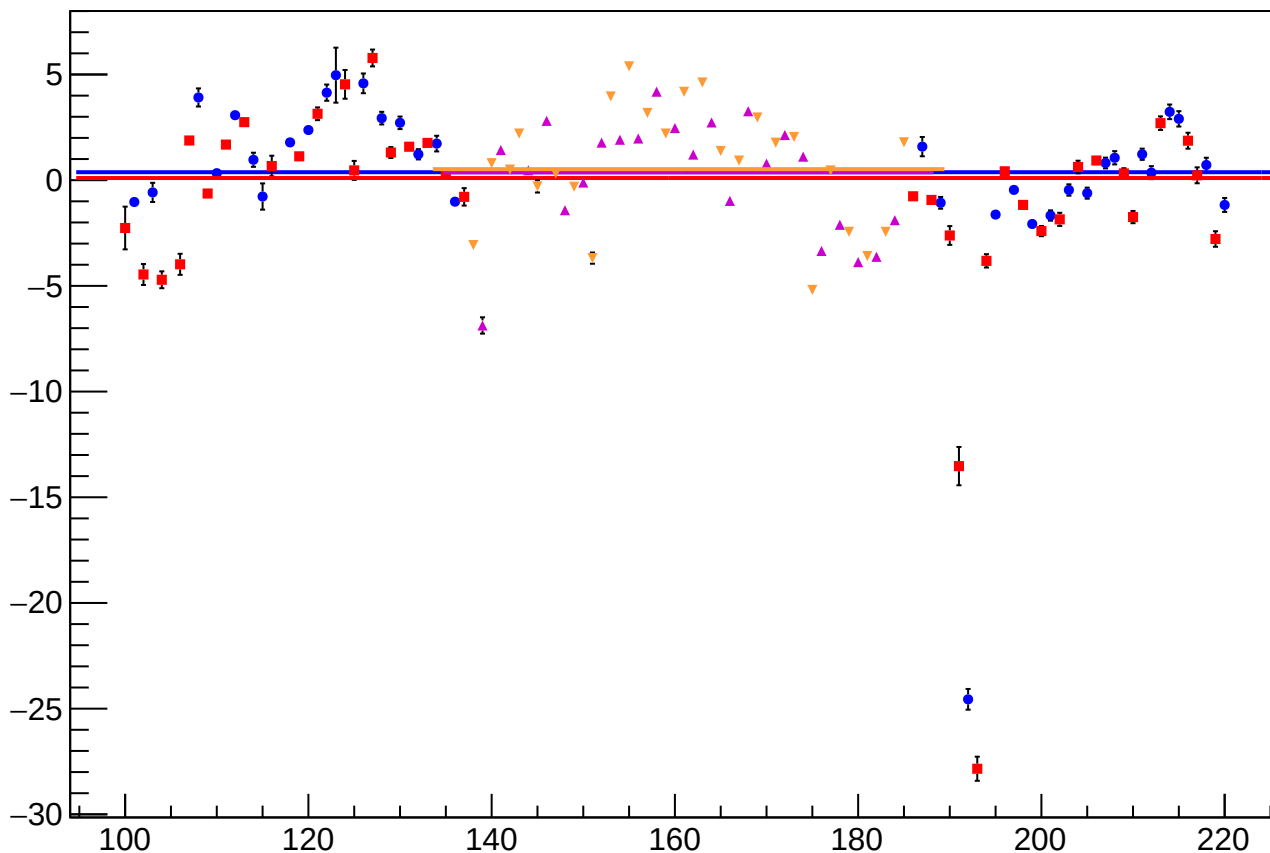
Left In: -17.393 ± 0.039 $\chi^2/\text{NDF}: 43178.9/22$

+ sign -8.117 ± 0.030 $\chi^2/\text{NDF}: 273130.6/41$

All: -7.916 ± 0.021 $\chi^2/\text{NDF}: 488424.6/82$

- sign -7.721 ± 0.030 $\chi^2/\text{NDF}: 215205.3/40$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.377 ± 0.046 χ^2/NDF : 3977.3/33

Left Out: 0.522 ± 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.102 ± 0.044 χ^2/NDF : 4450.0/36

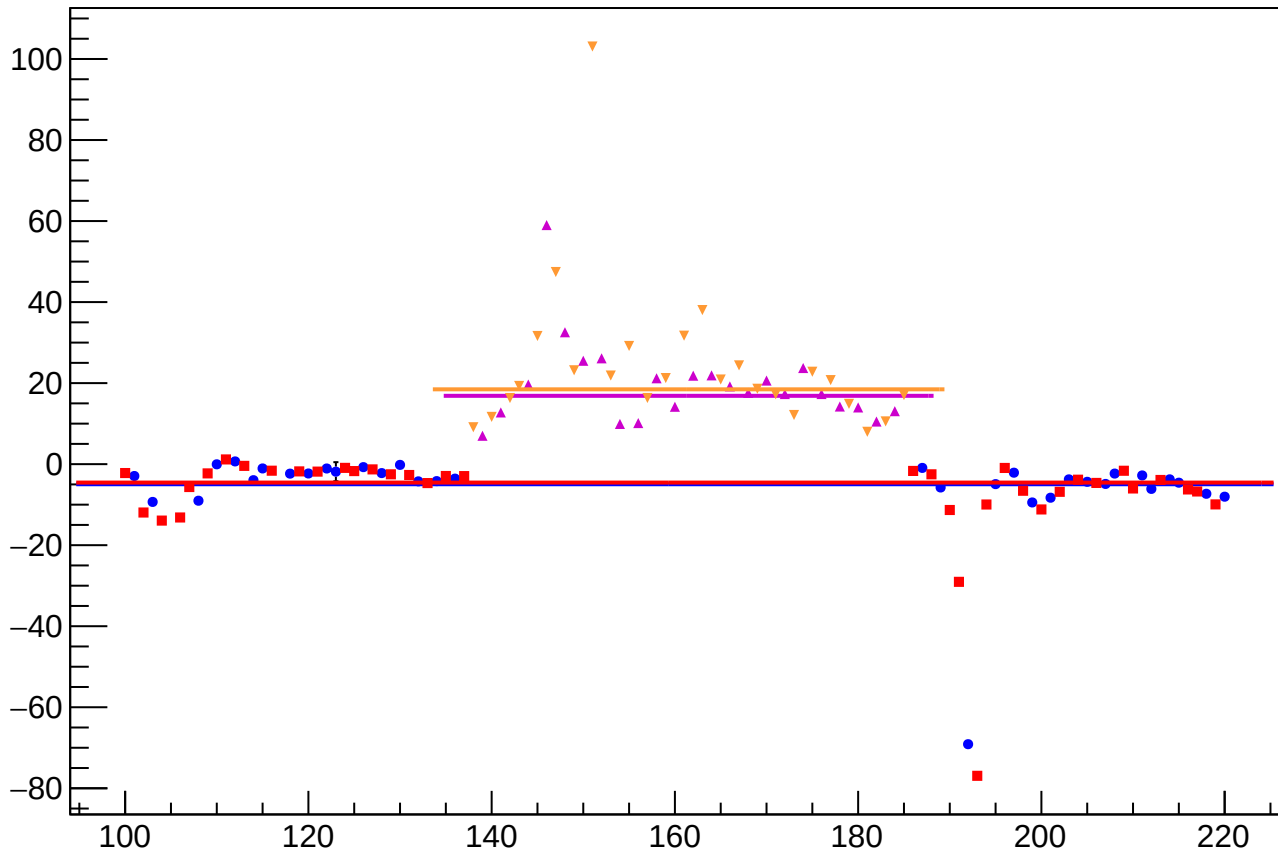
Left In: 0.371 ± 0.031 χ^2/NDF : 6217.4/22

+ sign 0.472 ± 0.027 χ^2/NDF : 11038.9/58

All: 0.372 ± 0.018 χ^2/NDF : 21758.3/118

- sign 0.280 ± 0.026 χ^2/NDF : 10692.4/59

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -4.958 ± 0.041 $\chi^2/\text{NDF}: 27452.5/33$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -4.547 ± 0.039 $\chi^2/\text{NDF}: 28983.1/36$

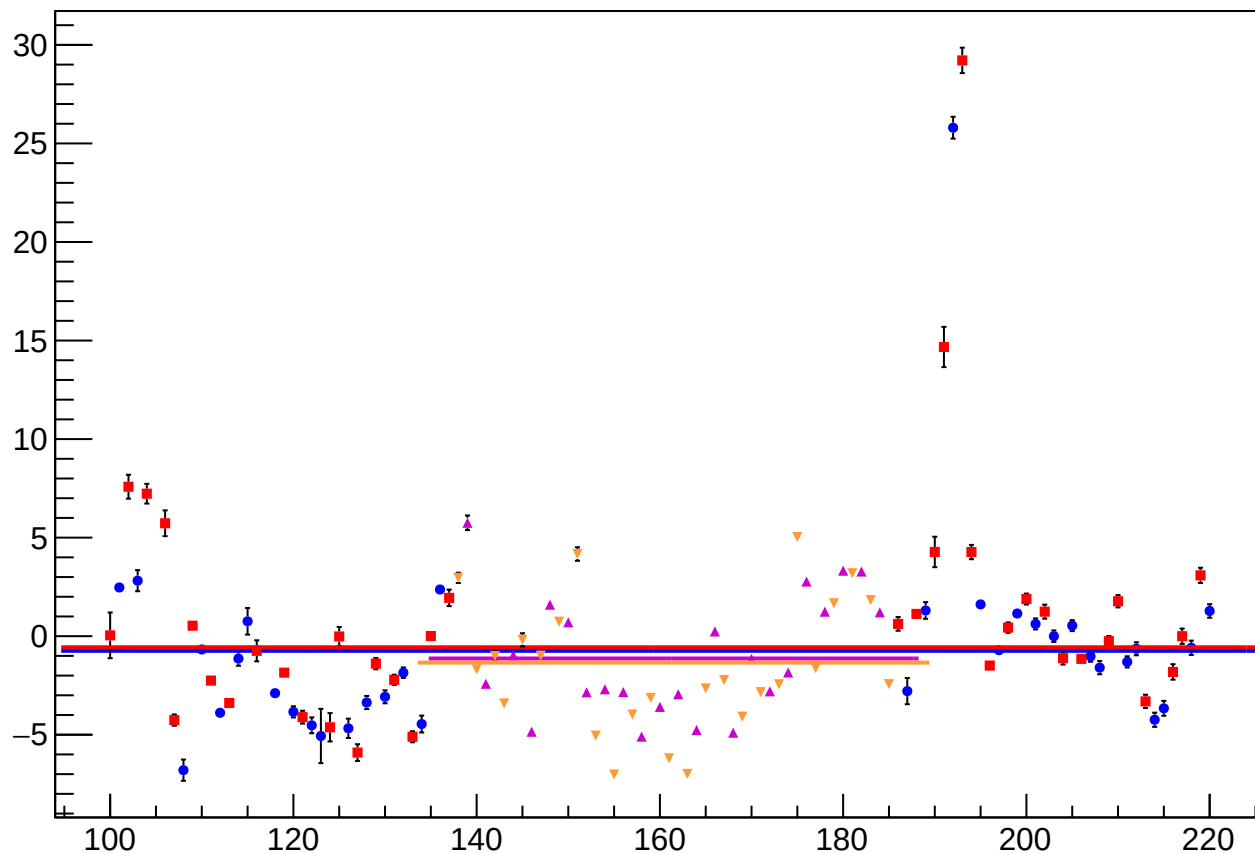
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 7.194 ± 0.029 $\chi^2/\text{NDF}: 270686.4/58$

All: 6.731 ± 0.020 $\chi^2/\text{NDF}: 491972.6/118$

- sign 6.308 ± 0.027 $\chi^2/\text{NDF}: 220789.3/59$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.742 ± 0.052 χ^2/NDF : 4106.7/33

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.563 ± 0.050 χ^2/NDF : 4694.8/36

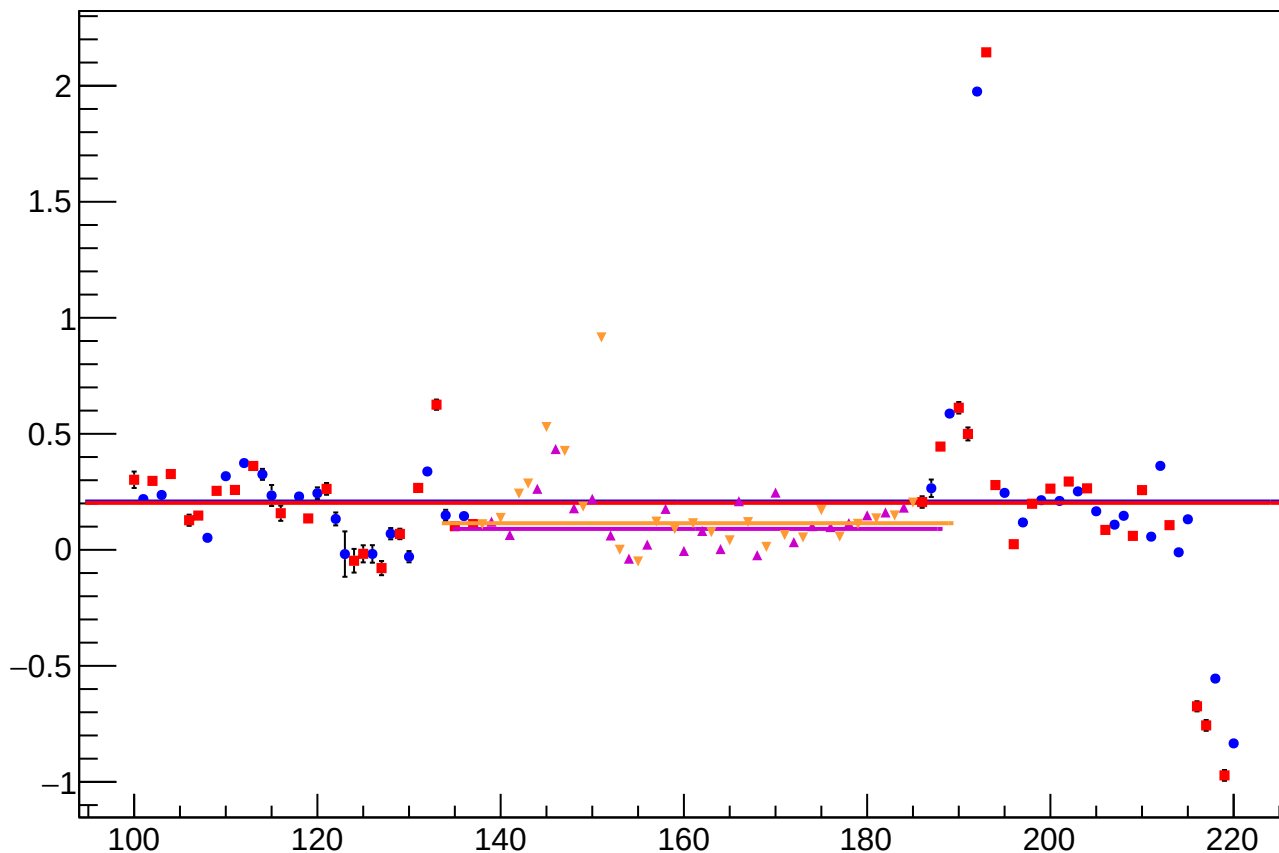
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.144 ± 0.030 χ^2/NDF : 12101.9/58

All: -1.042 ± 0.021 χ^2/NDF : 23613.5/118

- sign -0.948 ± 0.029 χ^2/NDF : 11489.4/59

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.208 $\pm$ 0.002 χ^2 /NDF: 15622.3/33

Left Out: 0.115 $\pm$ 0.002 χ^2 /NDF: 4431.9/24

Right Out: 0.203 $\pm$ 0.002 χ^2 /NDF: 18199.5/36

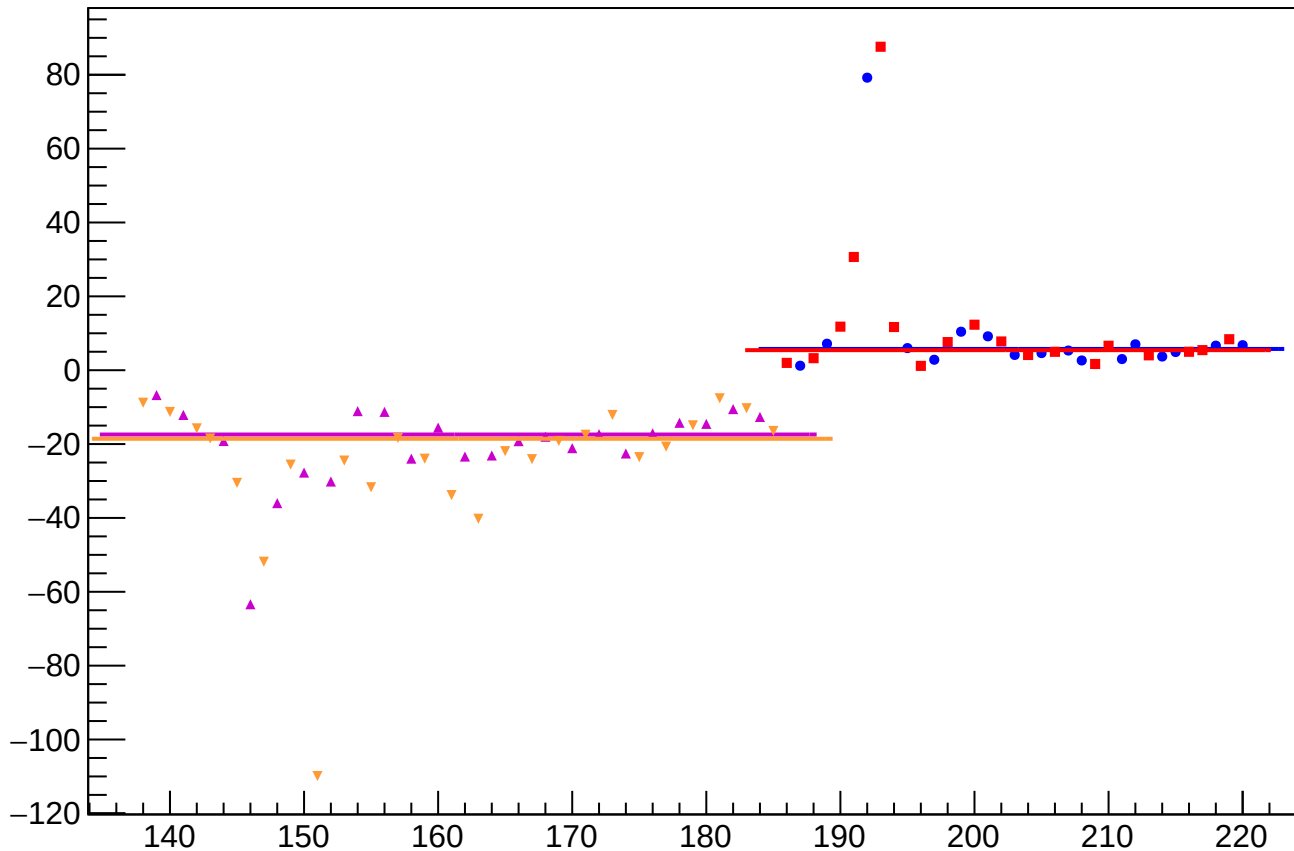
Left In: 0.090 $\pm$ 0.002 χ^2 /NDF: 3676.5/22

+ sign 0.145 $\pm$ 0.001 χ^2 /NDF: 21123.1/58

All: 0.135 $\pm$ 0.001 χ^2 /NDF: 44768.3/118

- sign 0.125 $\pm$ 0.001 χ^2 /NDF: 23522.1/59

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 5.758 ± 0.046 χ^2/NDF : 25761.1/16

Left Out: -18.566 ± 0.040 χ^2/NDF : 86389.6/24

Right Out: 5.429 ± 0.046 χ^2/NDF : 26287.2/17

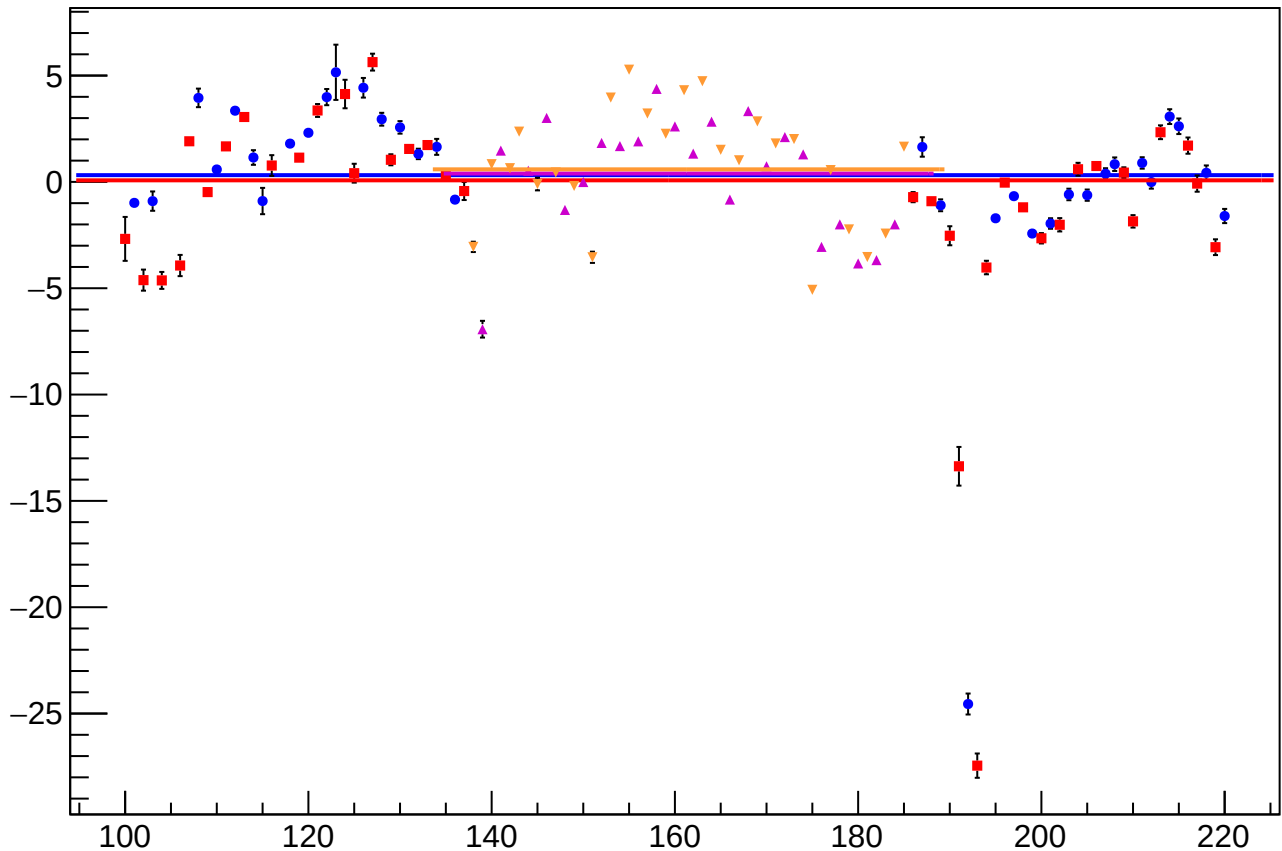
Left In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

+ sign -8.164 ± 0.030 χ^2/NDF : 269522.7/41

All: -7.954 ± 0.021 χ^2/NDF : 482309.4/82

- sign -7.751 ± 0.030 χ^2/NDF : 212692.6/40

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.317 ± 0.046 $\chi^2/\text{NDF}: 4003.4/33$

Left Out: 0.591 ± 0.033 $\chi^2/\text{NDF}: 6796.5/24$

Right Out: 0.074 ± 0.044 $\chi^2/\text{NDF}: 4397.1/36$

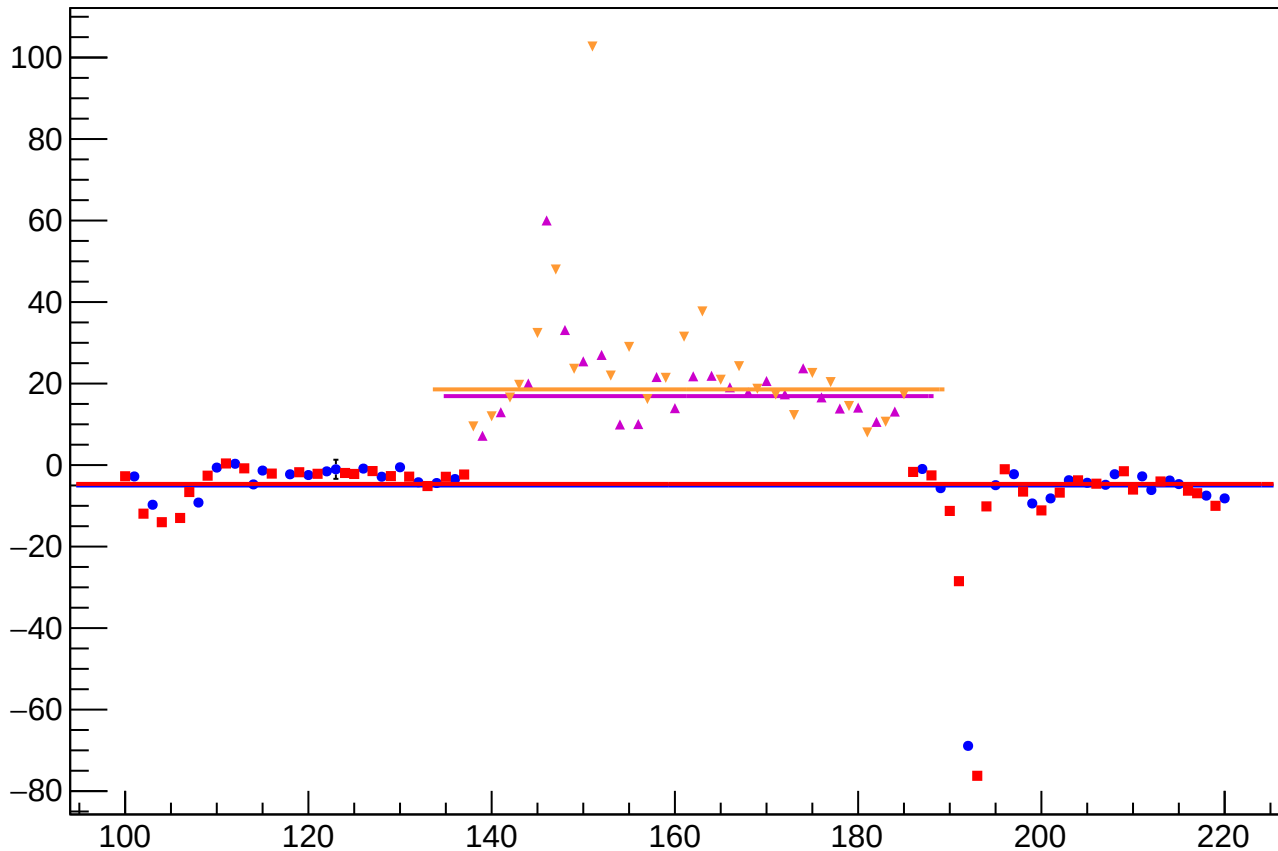
Left In: 0.394 ± 0.032 $\chi^2/\text{NDF}: 6059.8/22$

+ sign 0.498 ± 0.027 $\chi^2/\text{NDF}: 10822.9/58$

All: 0.387 ± 0.019 $\chi^2/\text{NDF}: 21346.3/118$

- sign 0.286 ± 0.026 $\chi^2/\text{NDF}: 10491.4/59$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.010 ± 0.042 $\chi^2/\text{NDF}: 26808.0/33$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.621 ± 0.040 $\chi^2/\text{NDF}: 28114.2/36$

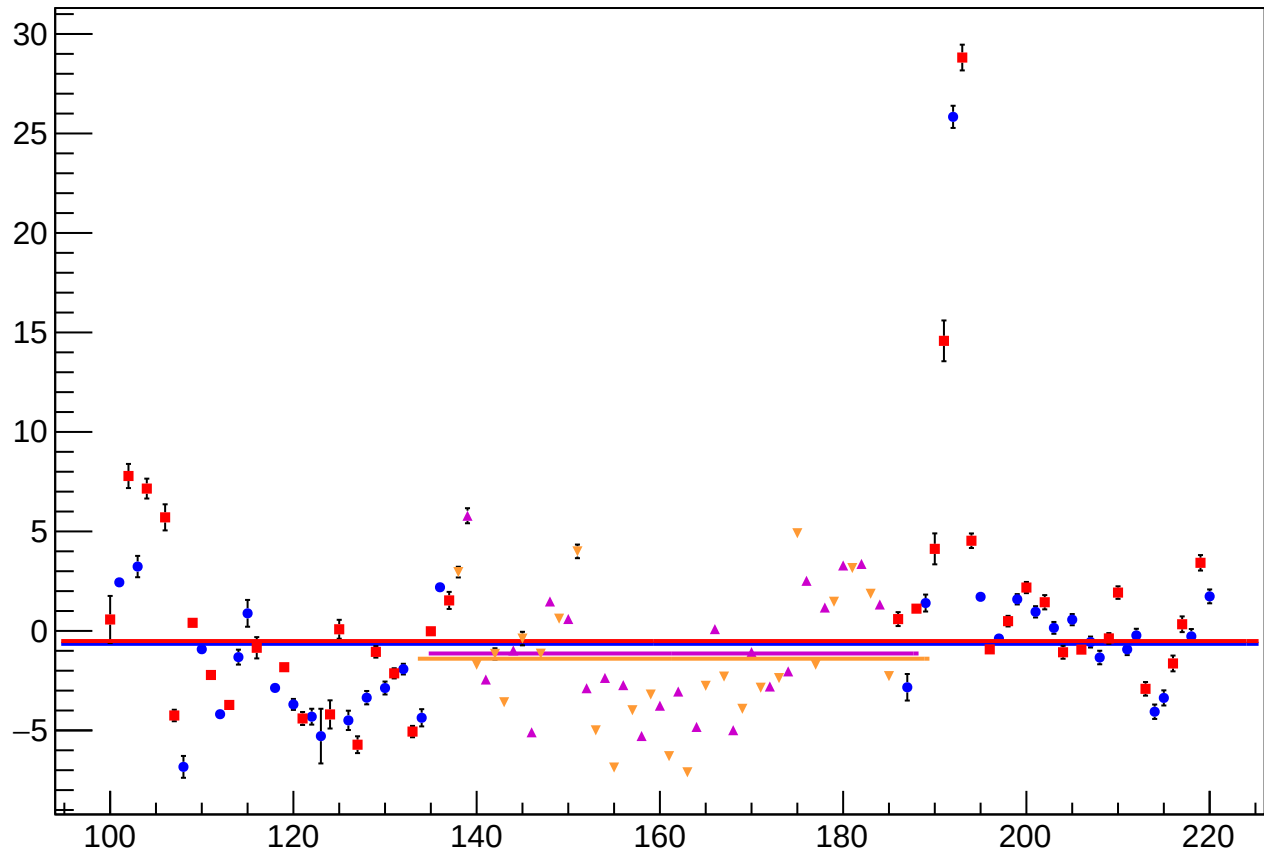
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 7.254 ± 0.029 $\chi^2/\text{NDF}: 267514.9/58$

All: 6.783 ± 0.020 $\chi^2/\text{NDF}: 486653.2/118$

- sign 6.352 ± 0.028 $\chi^2/\text{NDF}: 218633.2/59$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.649 ± 0.053 $\chi^2/\text{NDF}: 4095.2/33$

Left Out: -1.396 ± 0.037 $\chi^2/\text{NDF}: 7651.5/24$

Right Out: -0.510 ± 0.051 $\chi^2/\text{NDF}: 4634.0/36$

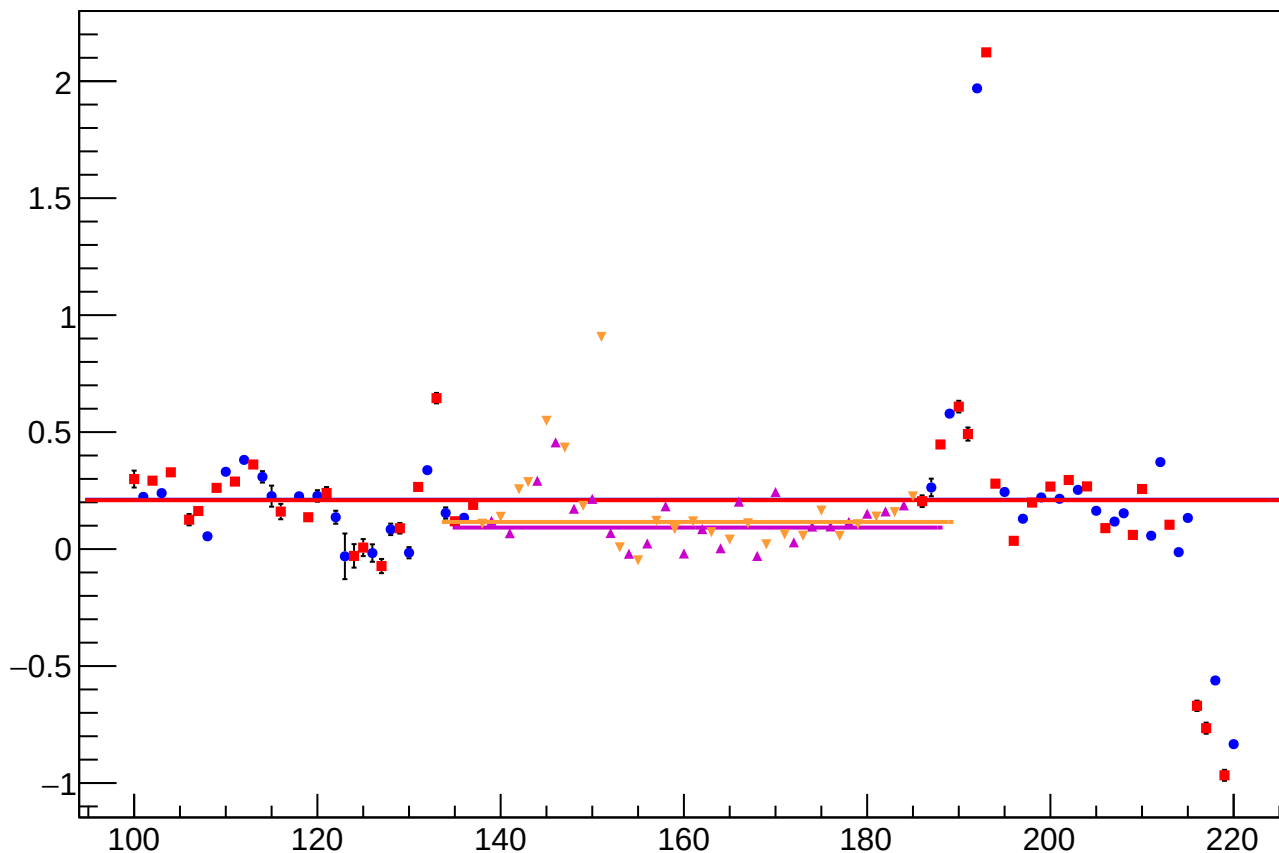
Left In: -1.135 ± 0.035 $\chi^2/\text{NDF}: 6597.7/22$

+ sign -1.152 ± 0.030 $\chi^2/\text{NDF}: 11880.9/58$

All: -1.038 ± 0.021 $\chi^2/\text{NDF}: 23240.8/118$

- sign -0.934 ± 0.029 $\chi^2/\text{NDF}: 11332.9/59$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.211 ± 0.002 χ^2/NDF : 15320.8/33

Left Out: 0.116 ± 0.002 χ^2/NDF : 4463.0/24

Right Out: 0.209 ± 0.002 χ^2/NDF : 17640.3/36

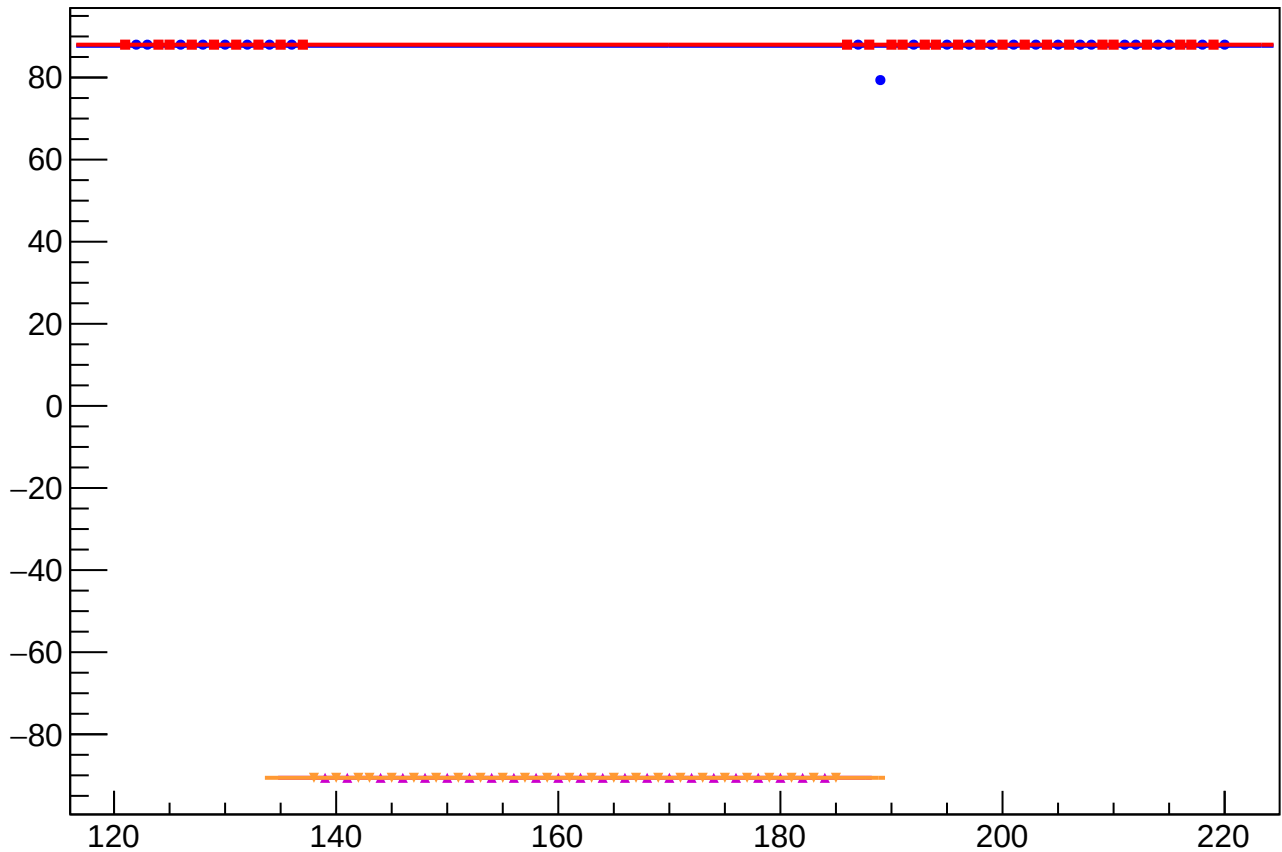
Left In: 0.092 ± 0.002 χ^2/NDF : 3631.4/22

+ sign 0.147 ± 0.001 χ^2/NDF : 20860.5/58

All: 0.137 ± 0.001 χ^2/NDF : 43978.2/118

- sign 0.128 ± 0.001 χ^2/NDF : 23012.8/59

VWienAngle_mean vs Slug



Right In: 87.727+/-0.000 χ^2/NDF : 3675813988493141143605788576579584.0/24

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 1624472.9/26

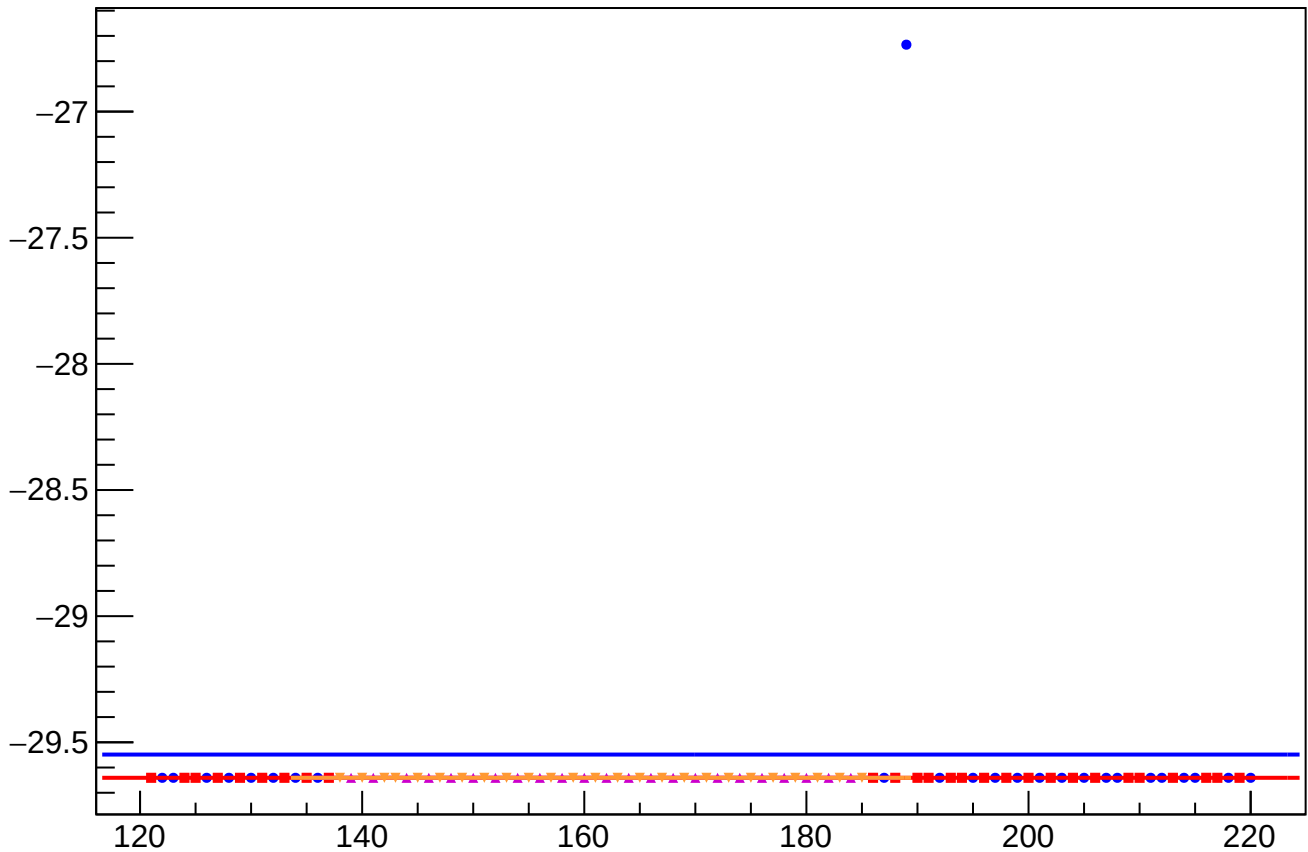
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -9.063+/-0.000 χ^2/NDF : 2777535192504506

All: -7.947+/-0.000 χ^2/NDF : 5489014616069

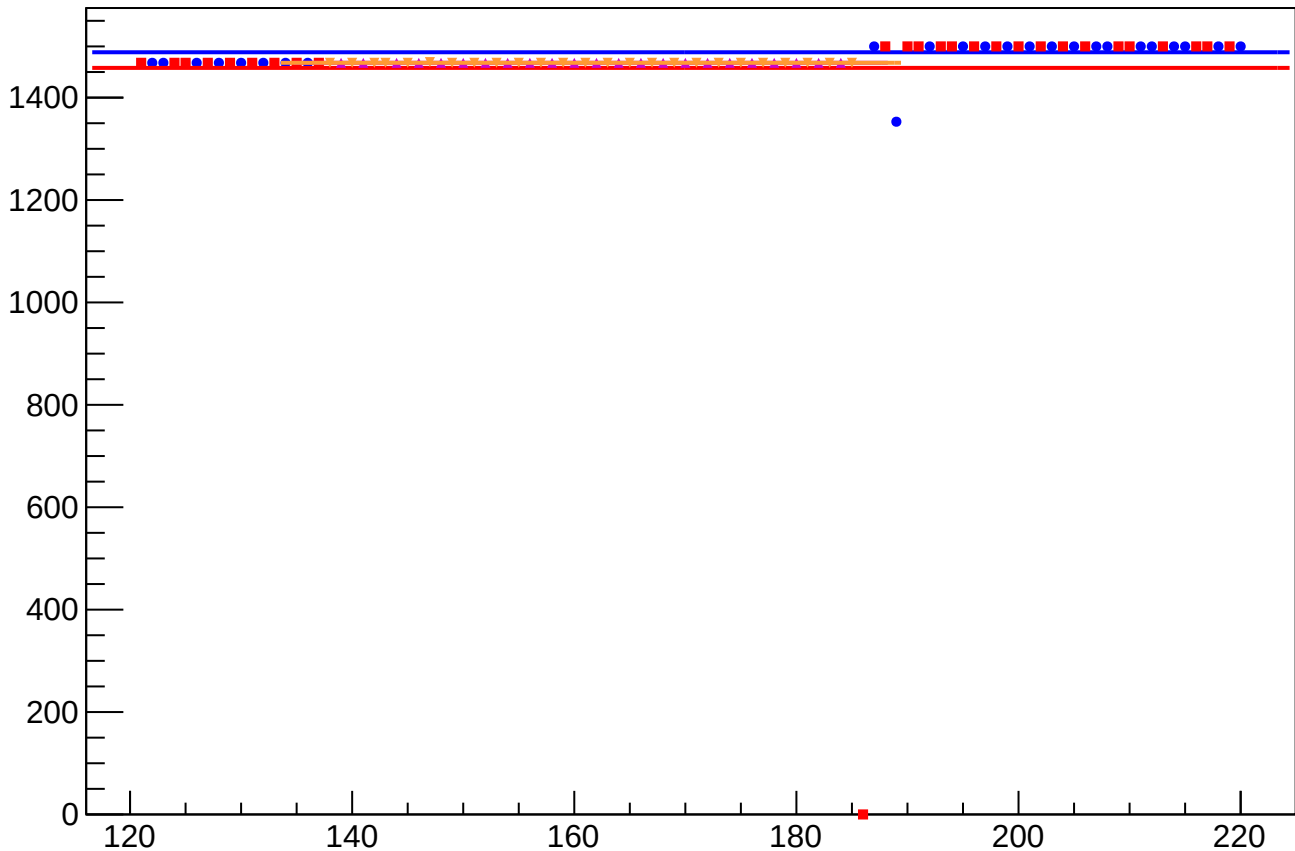
- sign -6.795+/-0.000 χ^2/NDF : 27105889830468914

HWienAngle_mean vs Slug



Right In: -29.549+/-0.000 χ^2/NDF : 417021306912621839562538037018624.0/24
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24 + sign -29.599+/-0.000 χ^2/NDF : 424430570890993
Right Out: -29.641+/-0.000 χ^2/NDF : 1635920.8/26 All: -29.619+/-0.000 χ^2/NDF : 427503205151
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22 - sign -29.641+/-0.000 χ^2/NDF : 2497016.1/49

psub_pl_pos_mean vs Slug



Right In: 1488.593+/-0.000 χ^2/NDF : 1241155365435570854758341071563915264.0/24

Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24

Right Out: 1458.058+/-0.000 χ^2/NDF : 83007557534286417755834562519731535872.0/26

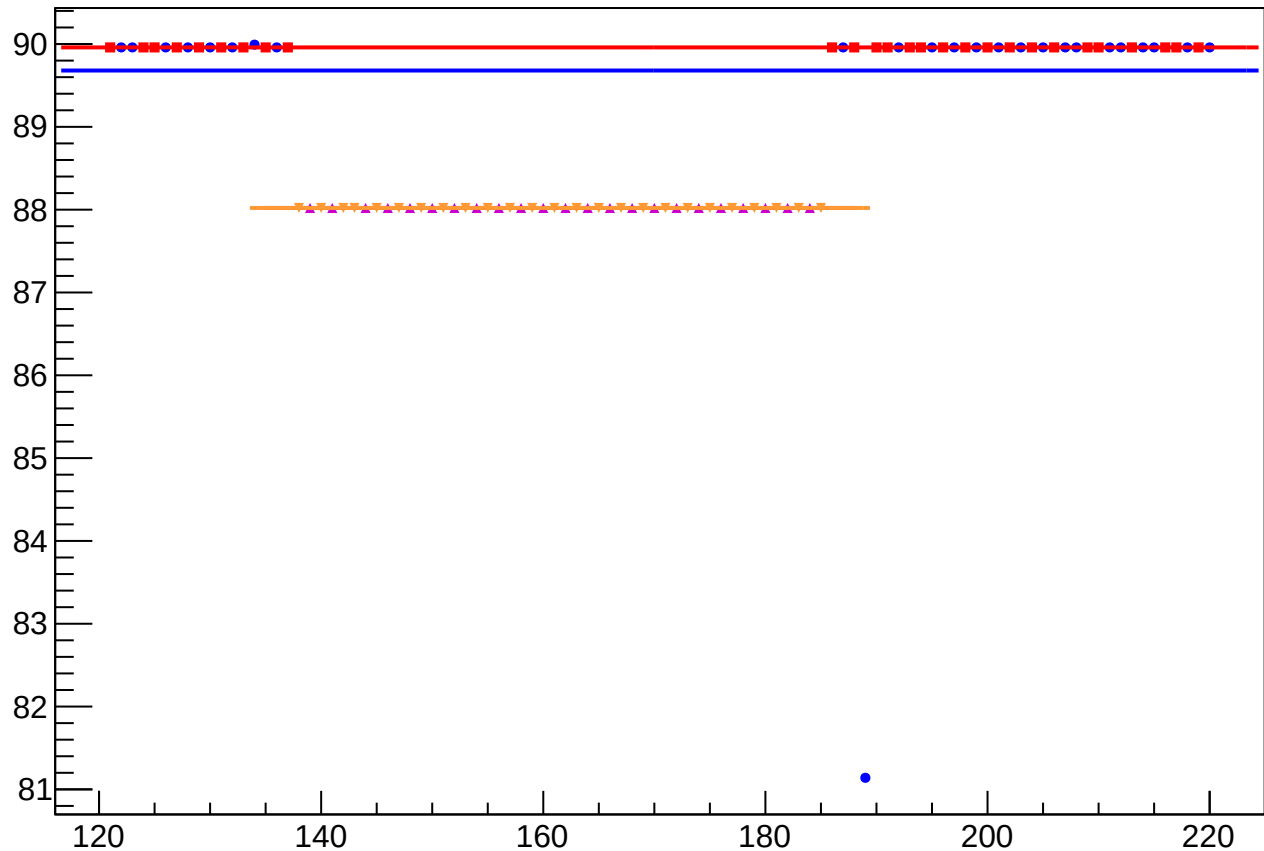
Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

+ sign 1477.442+/-0.000 χ^2/NDF : 16099152829592

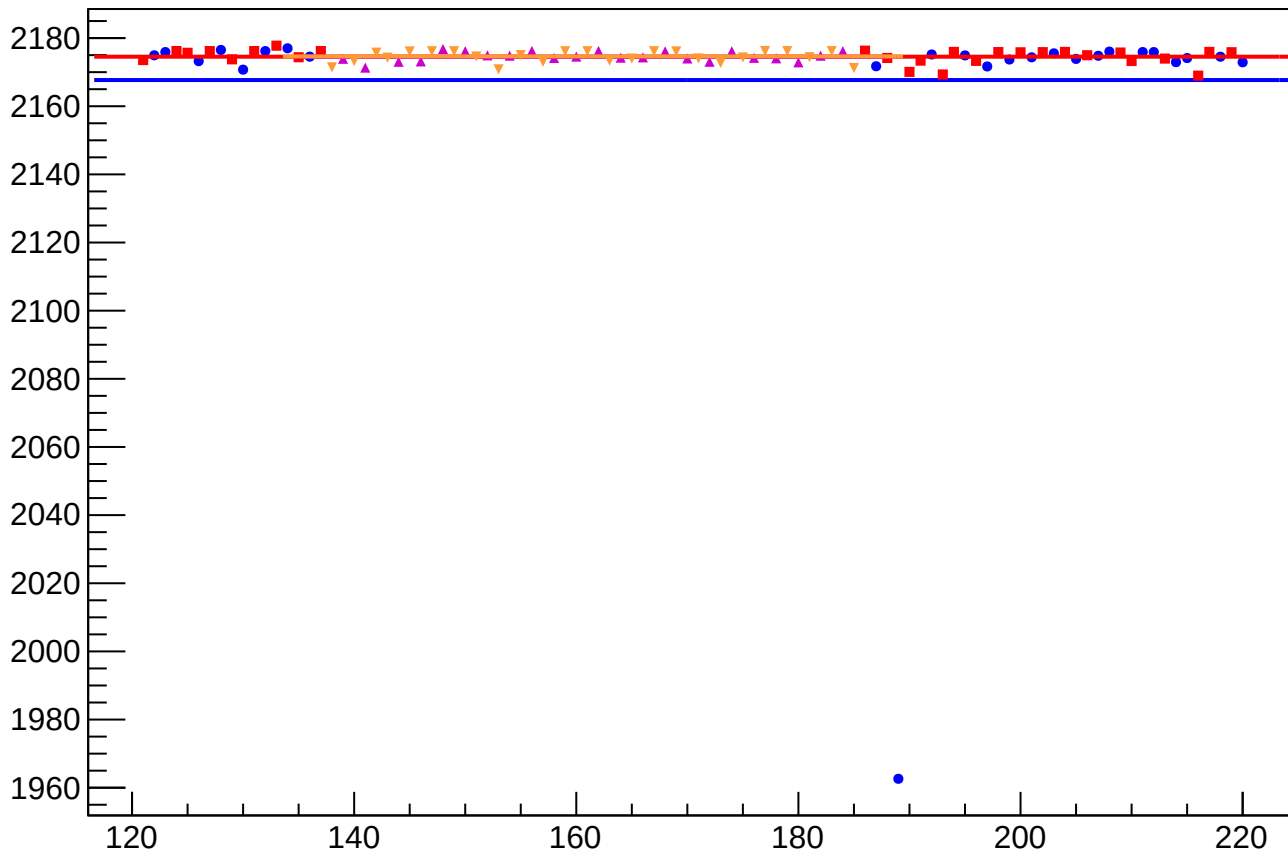
All: 1470.496+/-0.000 χ^2/NDF : 85046270376

- sign 1463.331+/-0.000 χ^2/NDF : 83091449510085

Phi_FG_mean vs Slug



HALLA_p_mean vs Slug



Right In: 2167.686 $\pm$ 0.000 χ^2 /NDF: 2218076605956935246611649696511295488.0/24

Left Out: 2174.622 $\pm$ 0.000 χ^2 /NDF: 5110578135476093110874911595823104.0/24

Right Out: 2174.538 $\pm$ 0.000 χ^2 /NDF: 7287483634271028865642845219848192.0/26

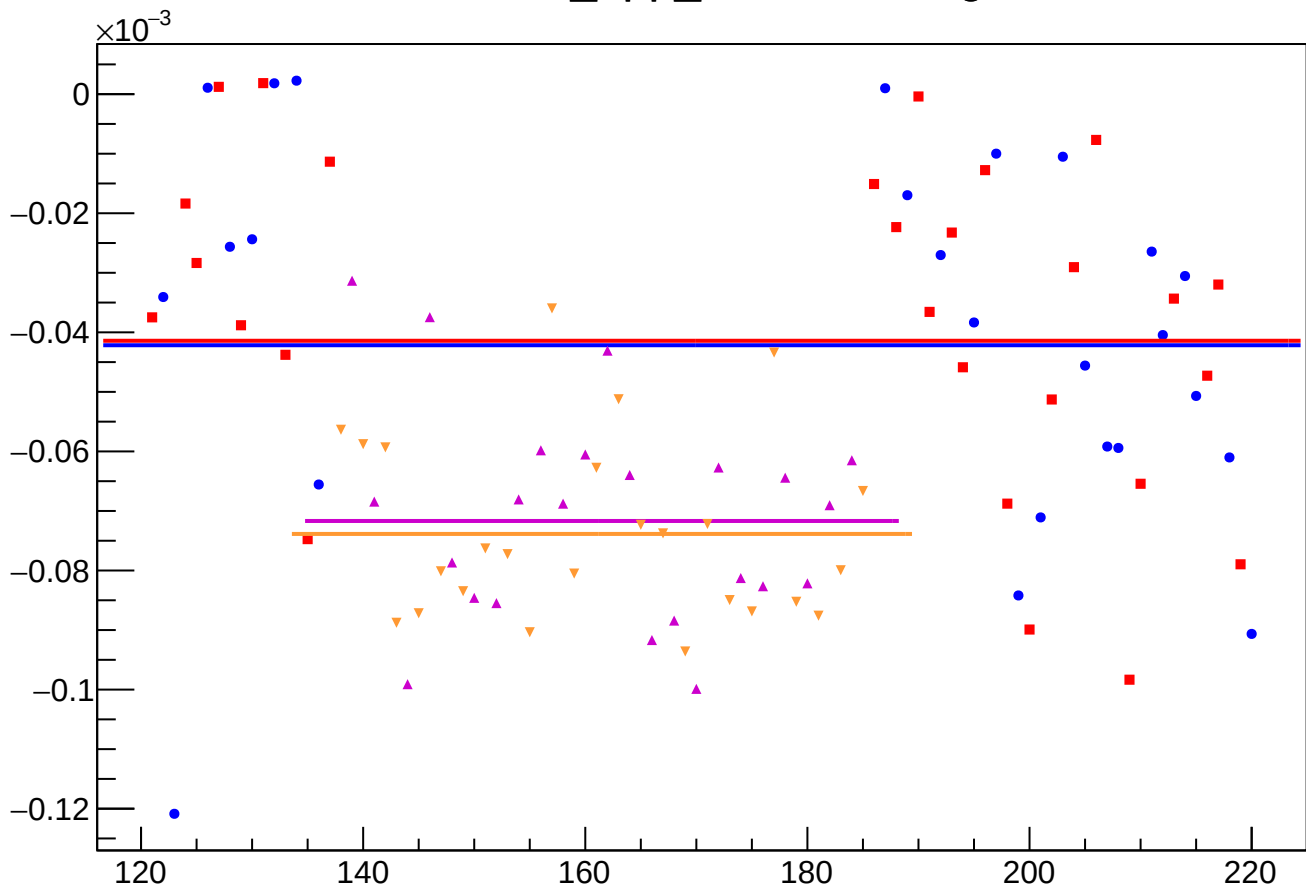
Left In: 2174.539 $\pm$ 0.000 χ^2 /NDF: 3400742562425168967494665391570944.0/22

+ sign 2171.451 $\pm$ 0.000 χ^2 /NDF: 22651996817625

All: 2172.971 $\pm$ 0.000 χ^2 /NDF: 22924059556

- sign 2174.539 $\pm$ 0.000 χ^2 /NDF: 10688226820156

HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 1080023758987886891892736.0/24$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 450400934180541069000704.0/24$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 1247090835950715807989760.0/26$

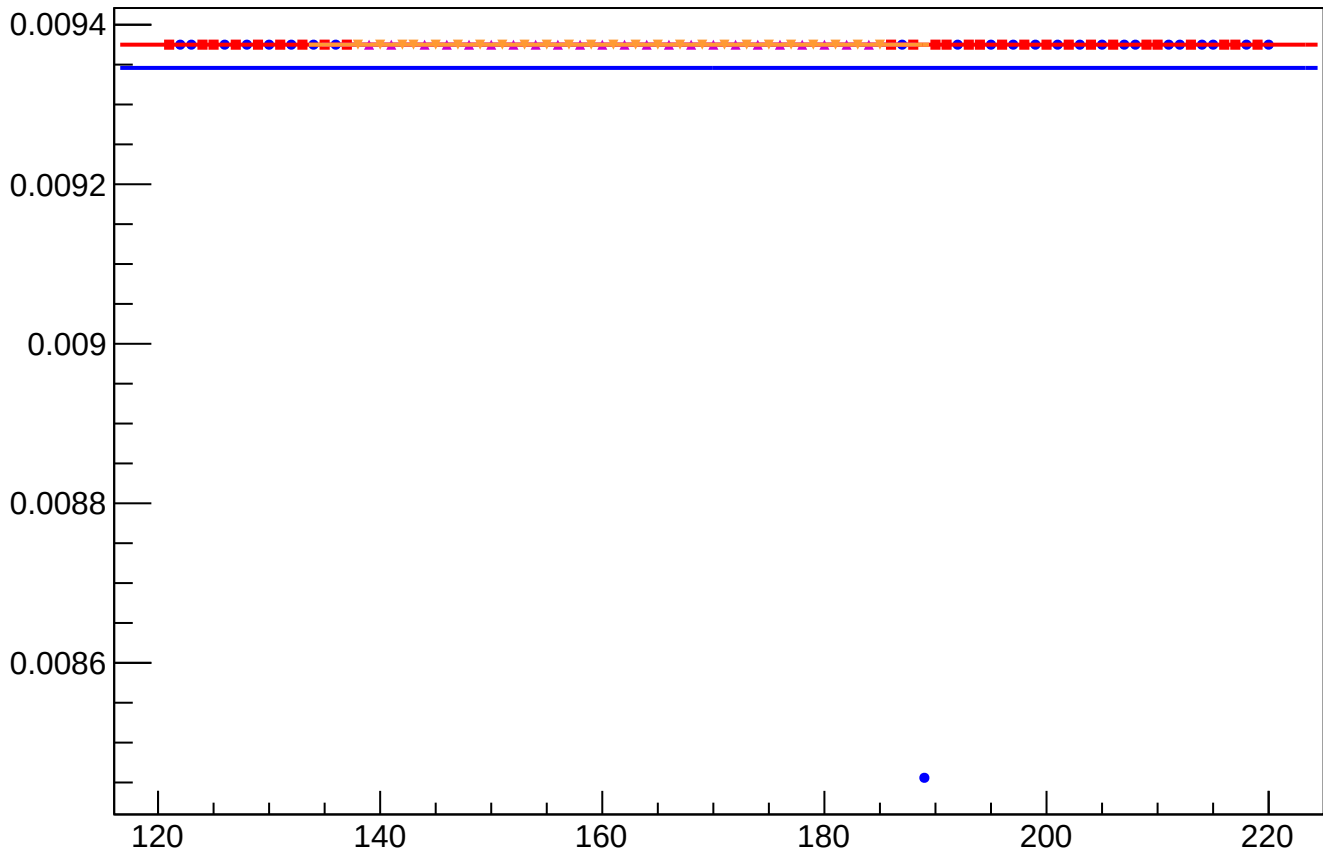
Left In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 562166279020739416817664.0/22$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 2407488753778131$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 5001284446882$

- sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 25876189080683543$

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41718030243482207992676352.0/24

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/26

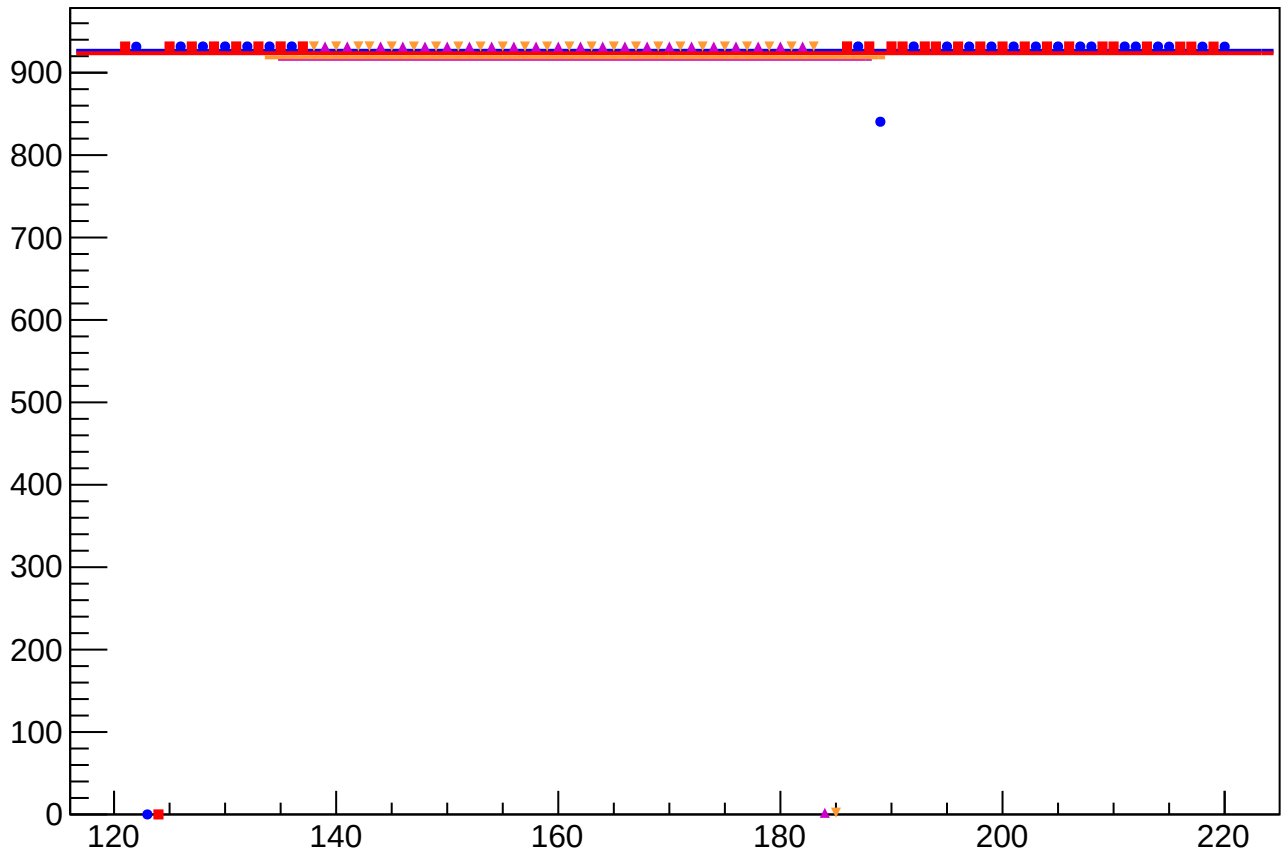
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42459239130433578

All: 0.009+/-0.000 χ^2/NDF : 42766619705159

- sign 0.009+/-0.000 χ^2/NDF : 0.2/49

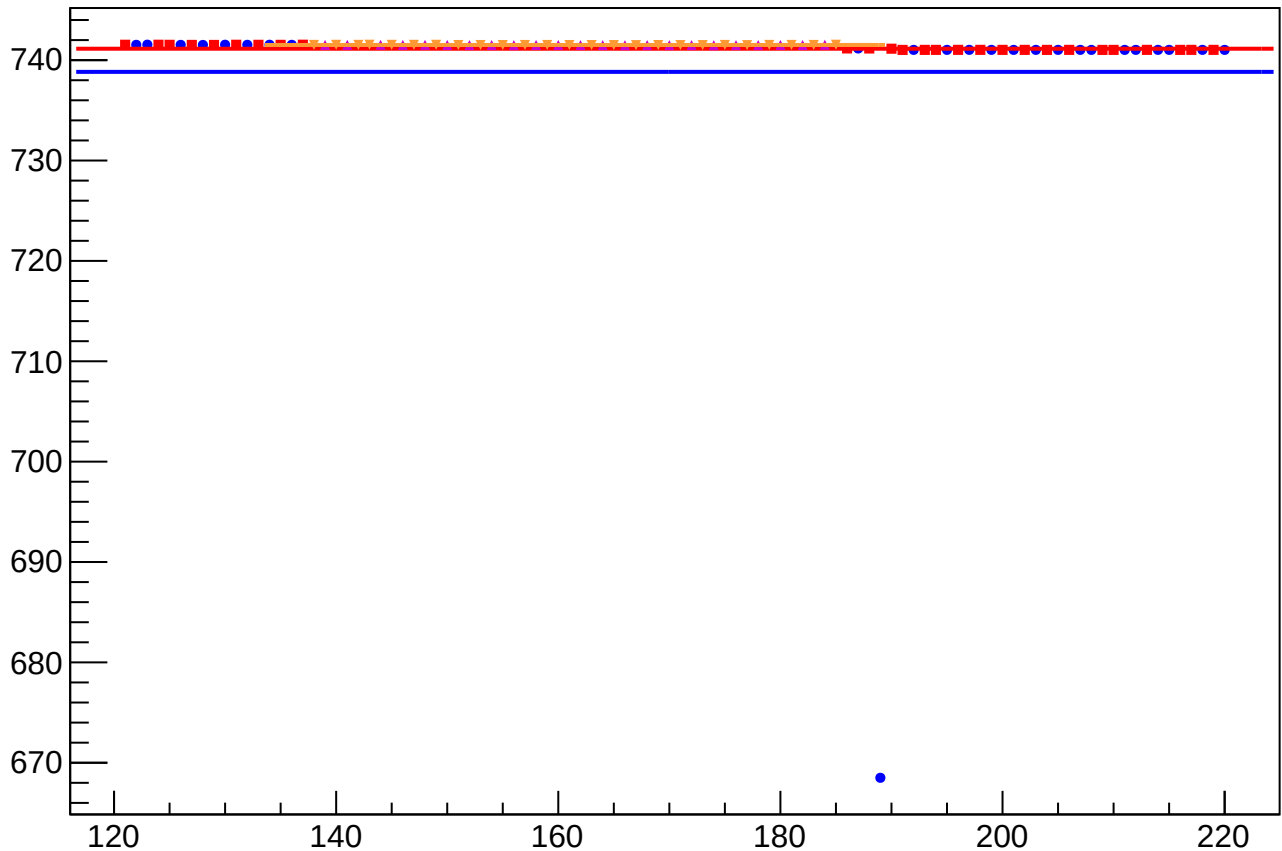
HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 926.550+/-0.000 χ^2/NDF : 3853638281101893759593180168603041792.0/24
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 923.623+/-0.000 χ^2/NDF : 12047653448681008205248449089676247040.0/26
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

+ sign 922.259+/-0.000 χ^2/NDF : 269117184935082
 All: 921.171+/-0.000 χ^2/NDF : 636742562336
 - sign 920.049+/-0.000 χ^2/NDF : 367540758573190

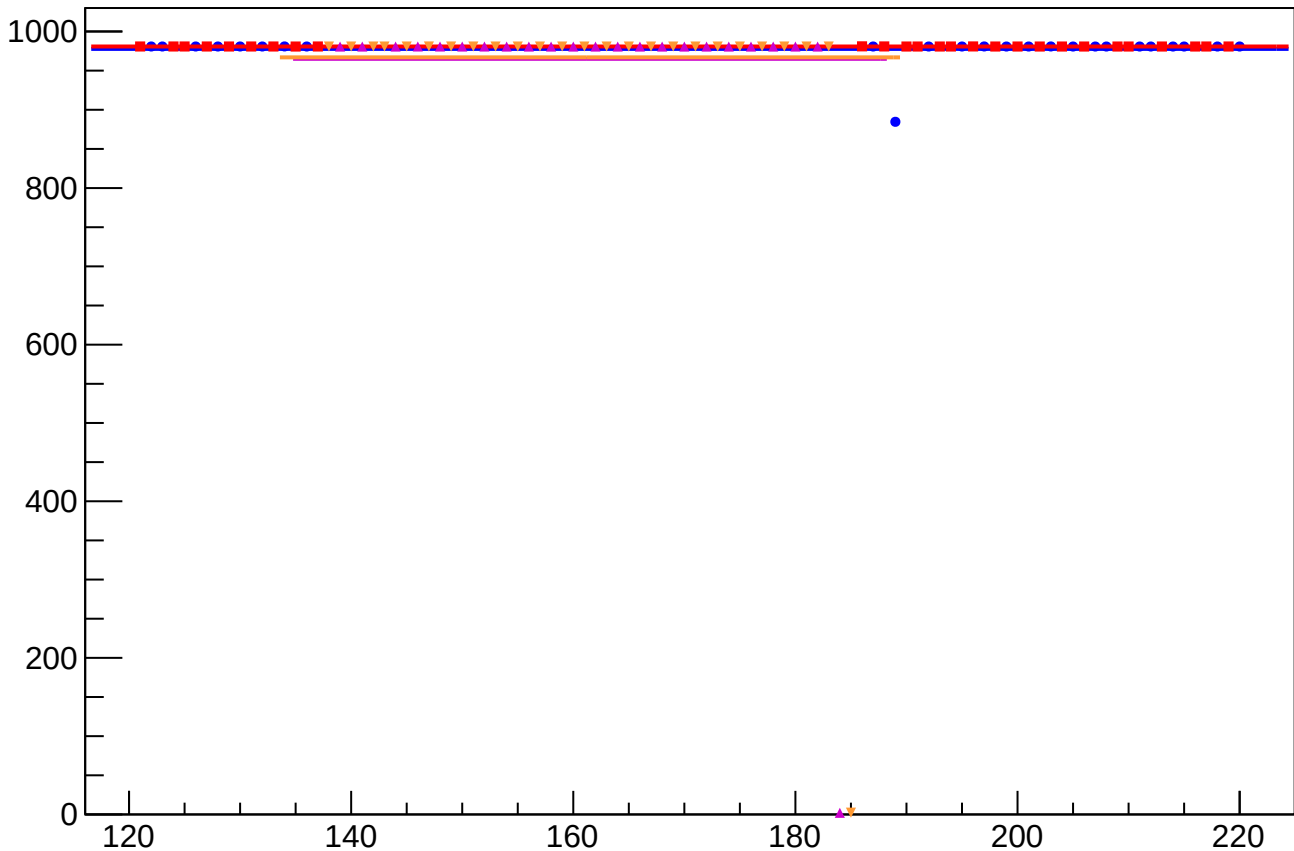
HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 738.834 $\pm$ 0.000 χ^2 /NDF: 260608922485352236124700295200505856.0/24
Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 244782737401533731539808944128.0/24
Right Out: 741.140 $\pm$ 0.000 χ^2 /NDF: 62390899526182309743103892783104.0/26
Left In: 741.512 $\pm$ 0.000 χ^2 /NDF: 215375309108434607405602439168.0/22

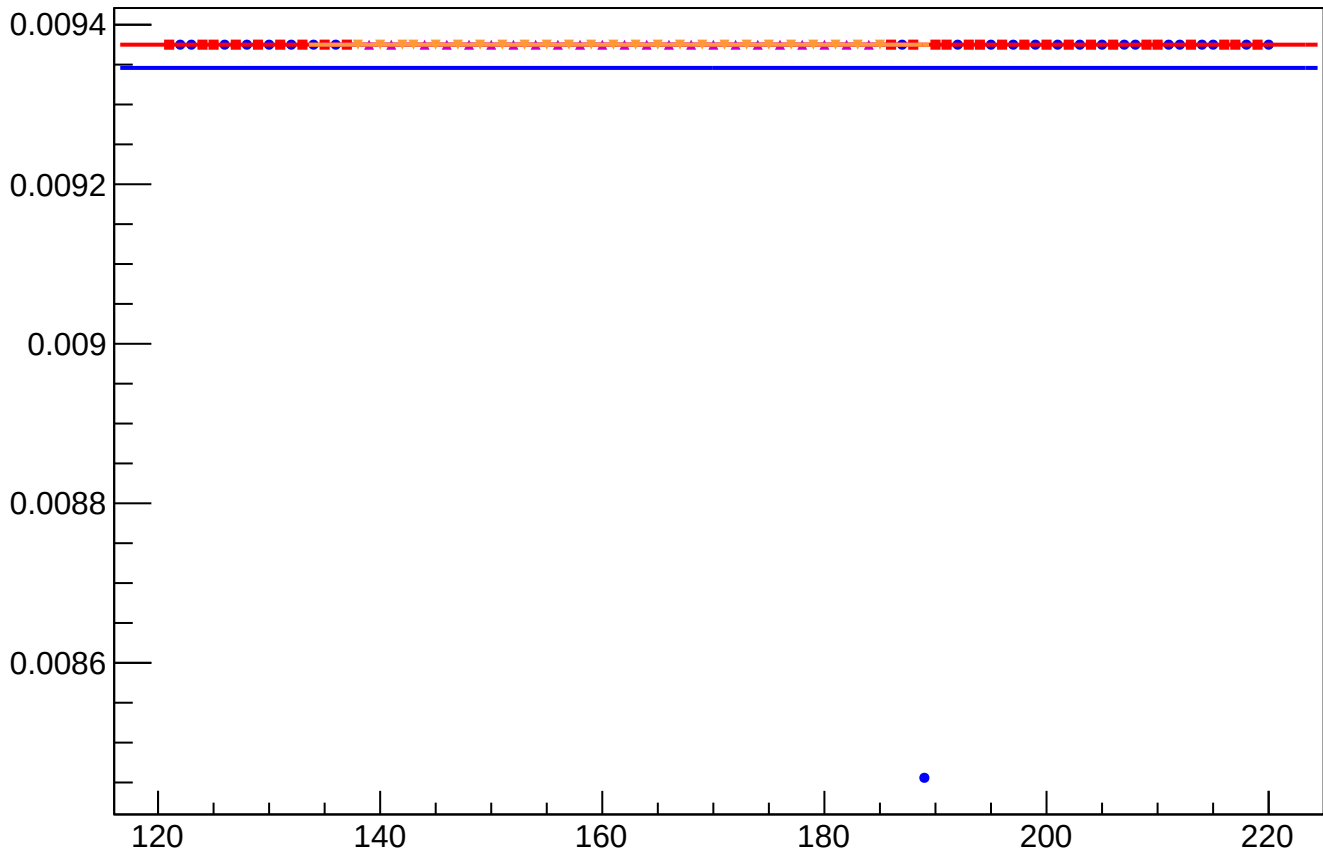
+ sign 740.288 $\pm$ 0.000 χ^2 /NDF: 266877646170635
All: 740.805 $\pm$ 0.000 χ^2 /NDF: 26896657699
- sign 741.337 $\pm$ 0.000 χ^2 /NDF: 180585915947784

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.760 $\pm$ 0.000 χ^2 /NDF: 456717040624128552004250771283509248.0/24
 Left Out: 966.936 $\pm$ 0.000 χ^2 /NDF: 25485578616543458629432284645183979520.0/24
 Right Out: 980.816 $\pm$ 0.000 χ^2 /NDF: 3536932158628458017817819611136.0/26
 Left In: 965.102 $\pm$ 0.000 χ^2 /NDF: 27330319430012441419356351914146004992.0/22
 All: 972.176 $\pm$ 0.000 χ^2 /NDF: 535853674222
 + sign 971.885 $\pm$ 0.000 χ^2 /NDF: 260446155366911
 - sign 972.475 $\pm$ 0.000 χ^2 /NDF: 275401483545918

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41718030243482207992676352.0/24

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/26

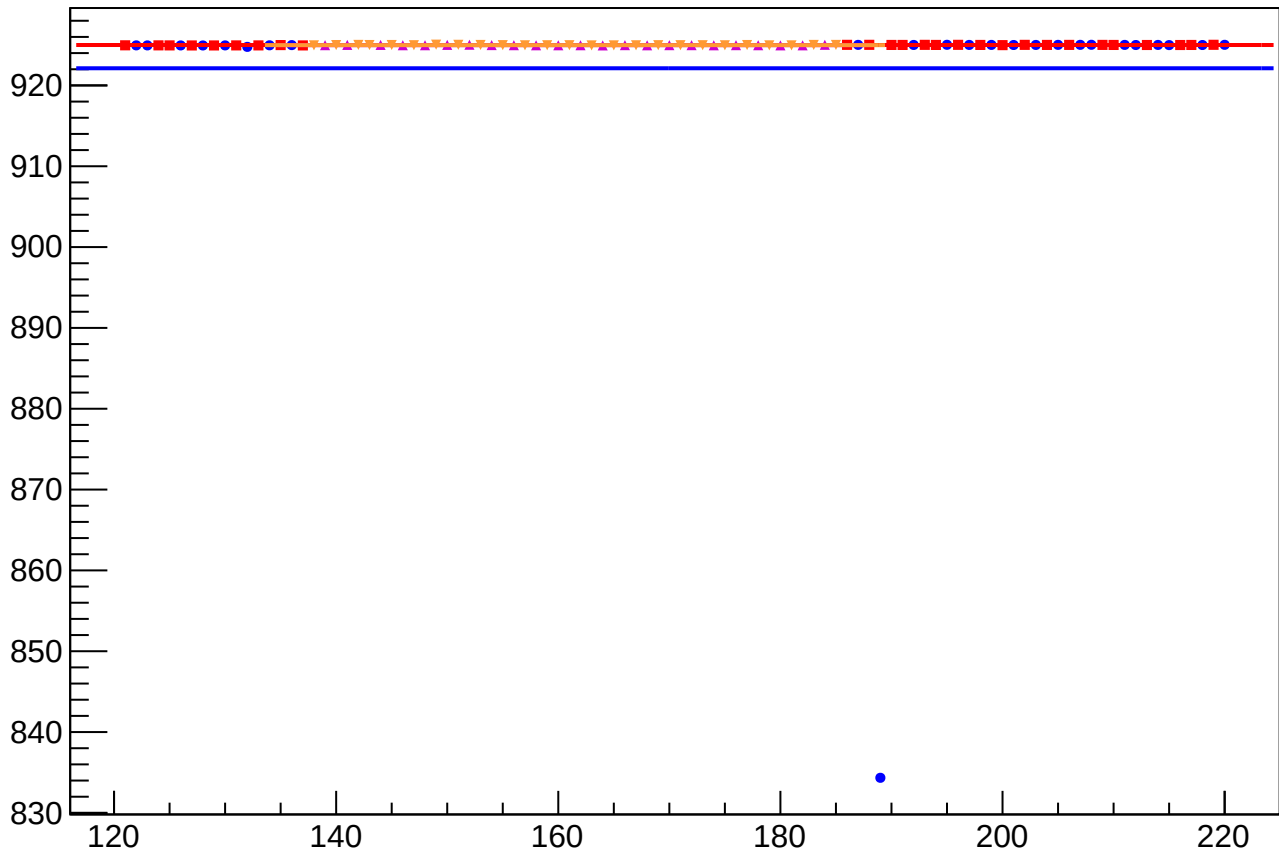
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42459239130433578

All: 0.009+/-0.000 χ^2/NDF : 42766619705159

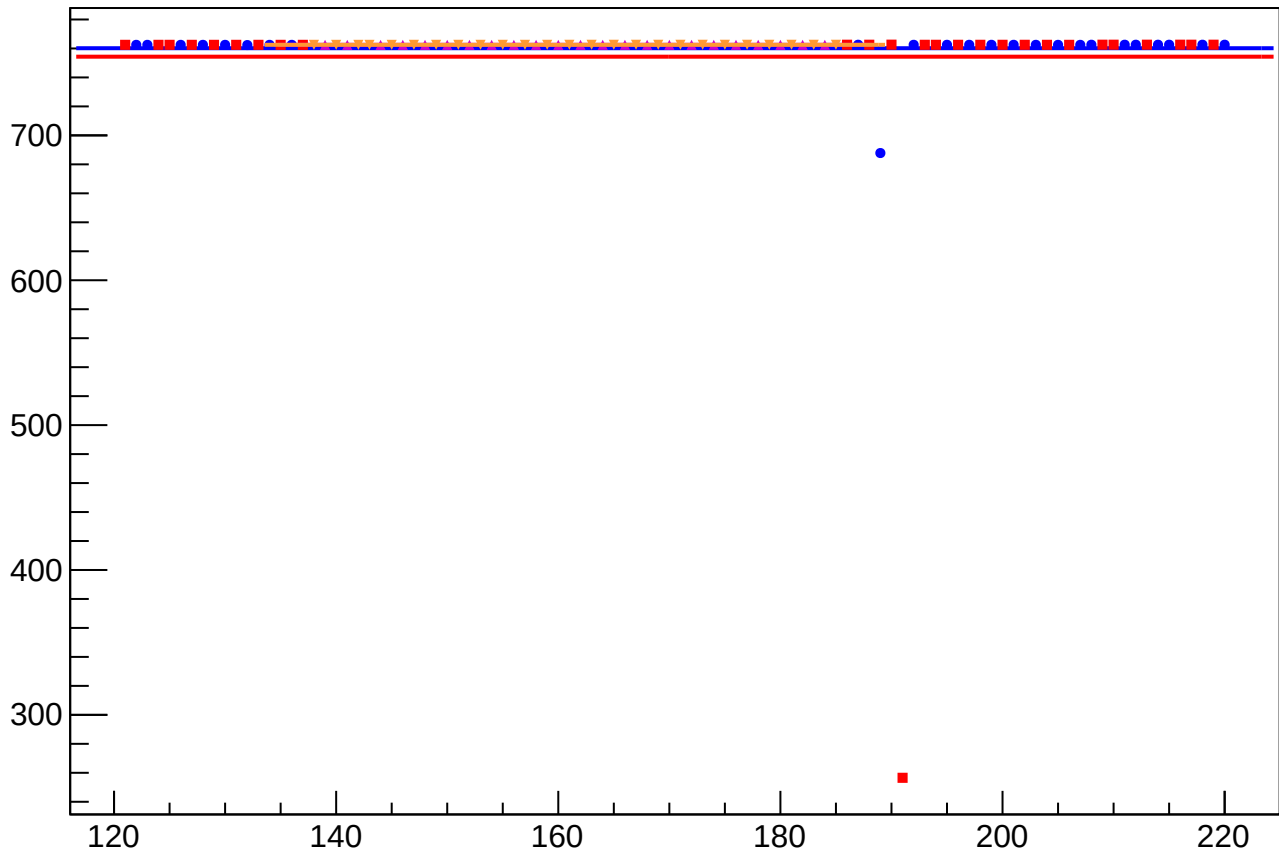
- sign 0.009+/-0.000 χ^2/NDF : 0.2/49

HacR_Q2_HP3458A_IOUT_mean vs Slug



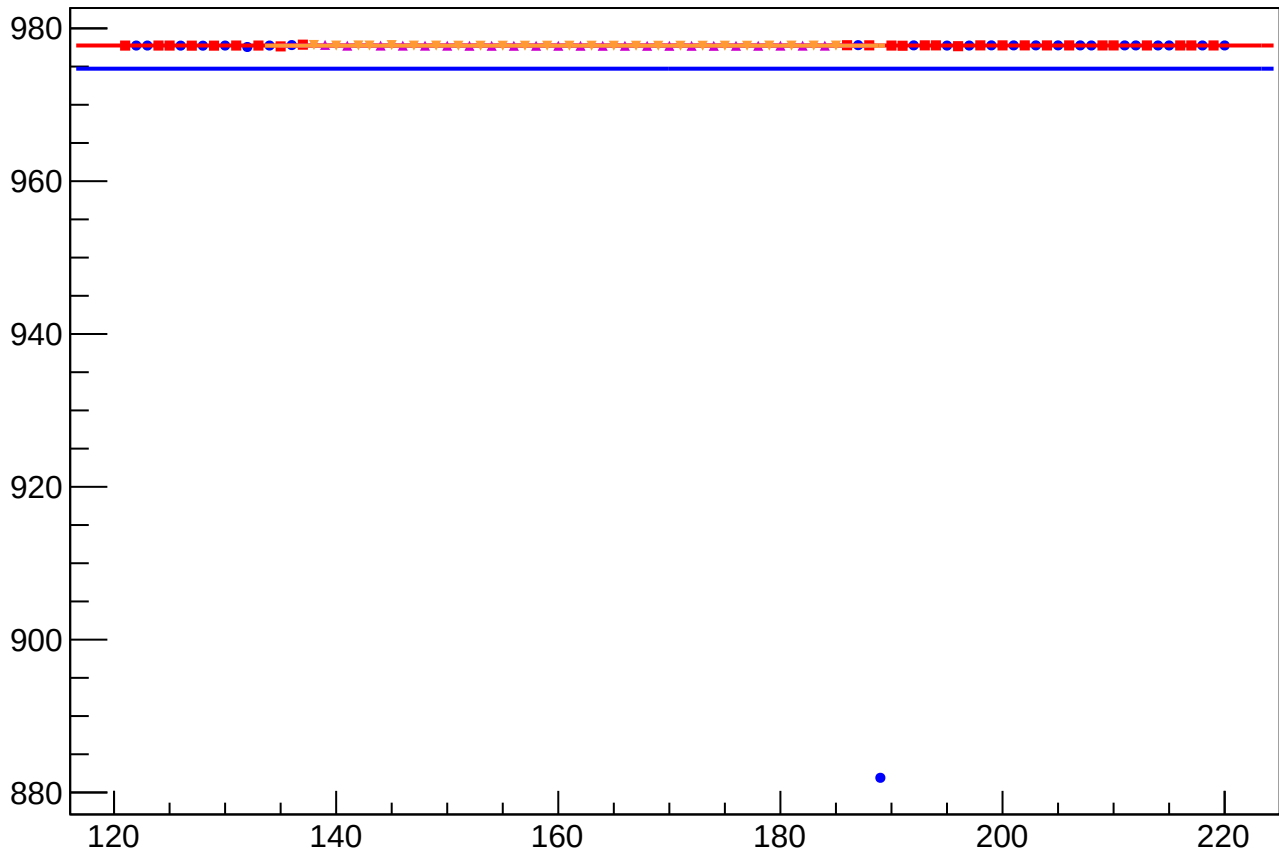
Right In: 922.123+/-0.000 χ^2/NDF : 405854276379394183003829941426978816.0/24
Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
Right Out: 925.000+/-0.000 χ^2/NDF : 946095739731195692794521845760.0/26
Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22
All: 924.323+/-0.000 χ^2/NDF : 416002132868.0/24

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 760.166+/-0.000 χ^2/NDF : 275739223138804765774200883296337920.0/24
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 754.326+/-0.000 χ^2/NDF : 6548638176054627650031123488097435648.0/26
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 760.080+/-0.000 χ^2/NDF : 689952062282
 + sign 761.443+/-0.000 χ^2/NDF : 280570801619501
 - sign 758.675+/-0.000 χ^2/NDF : 660567573307047

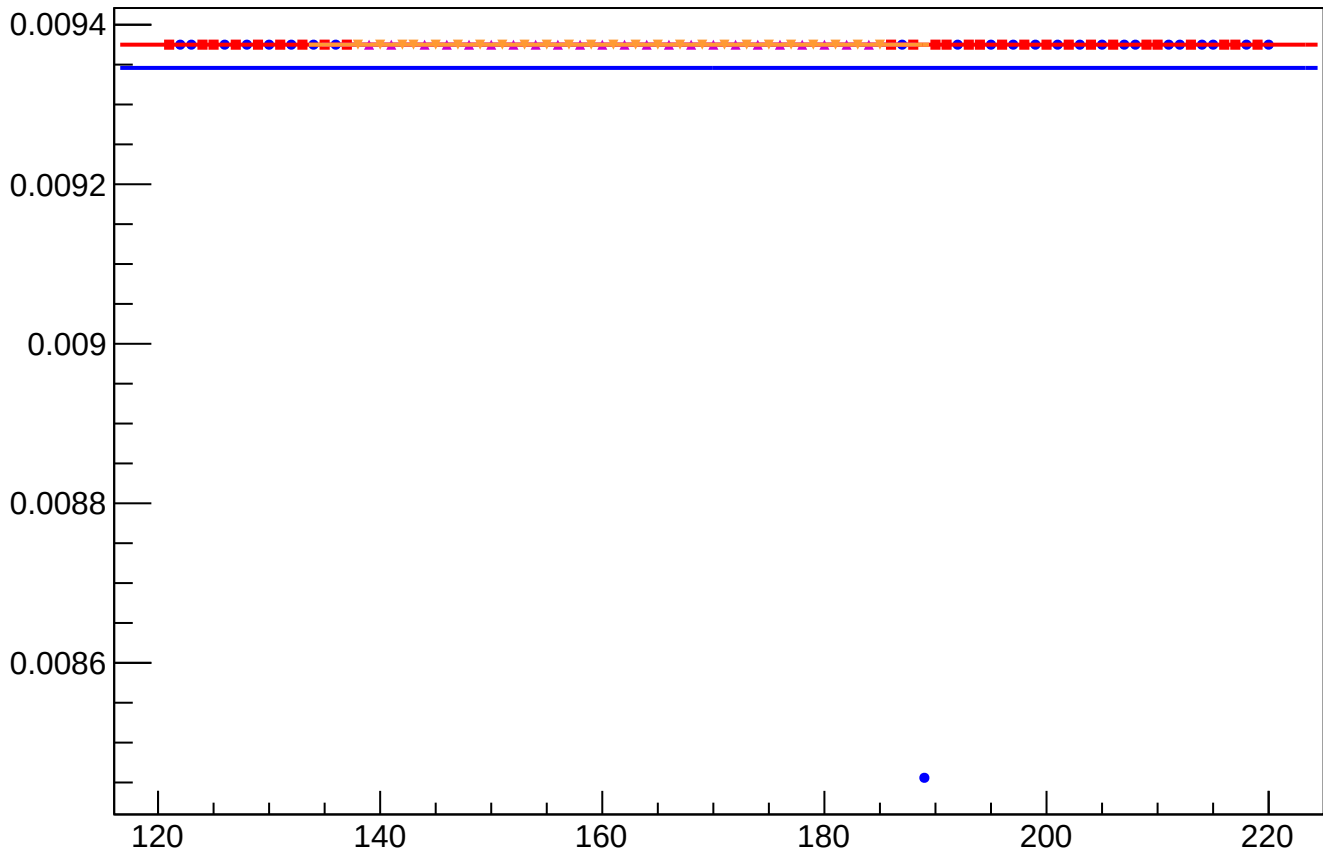
HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 974.723+/-0.000 χ^2/NDF : 453611887330466754850376086649307136.0/24
Left Out: 977.738+/-0.000 χ^2/NDF : 1154150409979077132991401558016.0/24
Right Out: 977.758+/-0.000 χ^2/NDF : 1860431267044362431091676545024.0/26
Left In: 977.735+/-0.000 χ^2/NDF : 976503887937607318263199432704.0/22

+ sign 976.359+/-0.000 χ^2/NDF : 461551189839926
All: 977.042+/-0.000 χ^2/NDF : 464883593927
- sign 977.745+/-0.000 χ^2/NDF : 327456475075925

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41718030243482207992676352.0/24

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/26

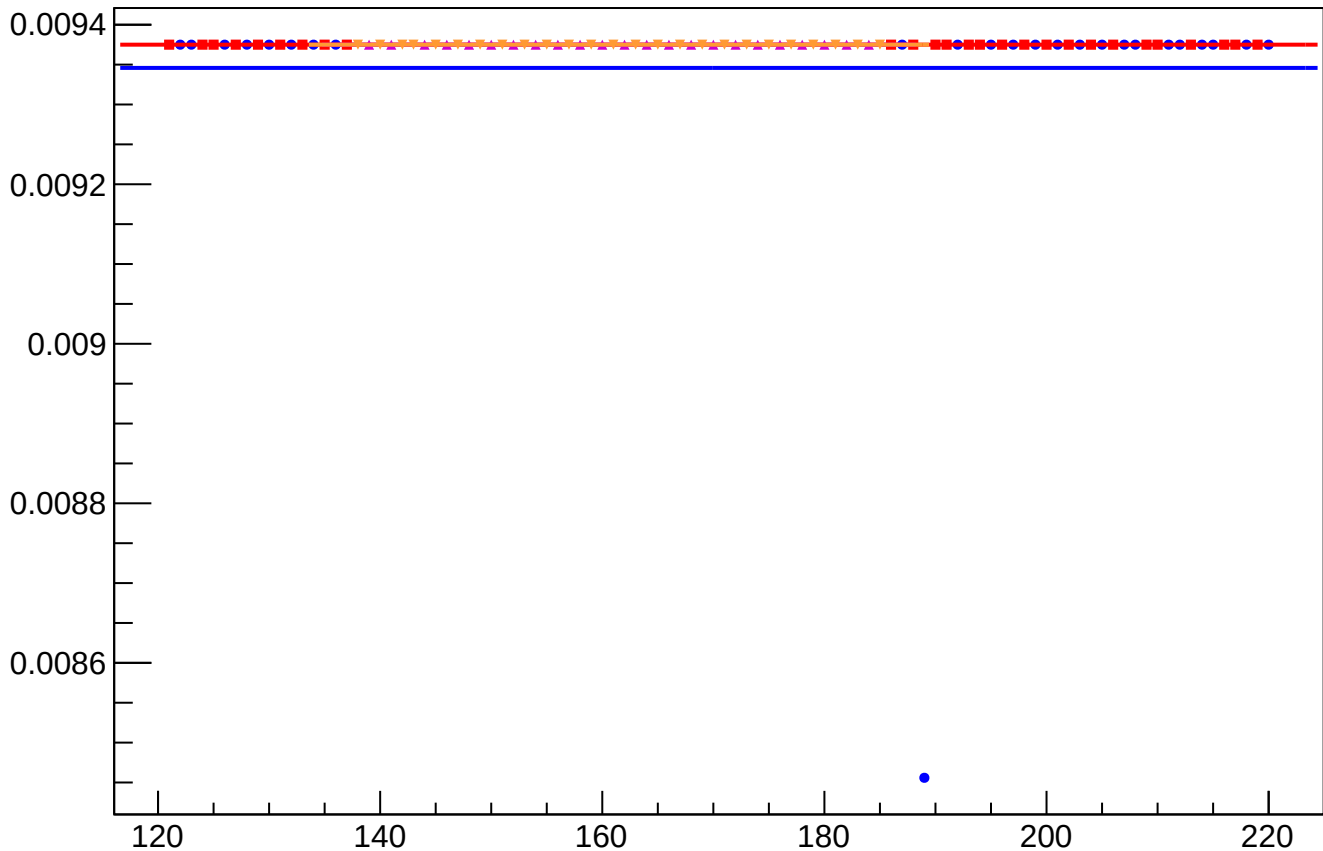
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42459239130433578

All: 0.009+/-0.000 χ^2/NDF : 42766619705159

- sign 0.009+/-0.000 χ^2/NDF : 0.2/49

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41718030243482207992676352.0/24

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/26

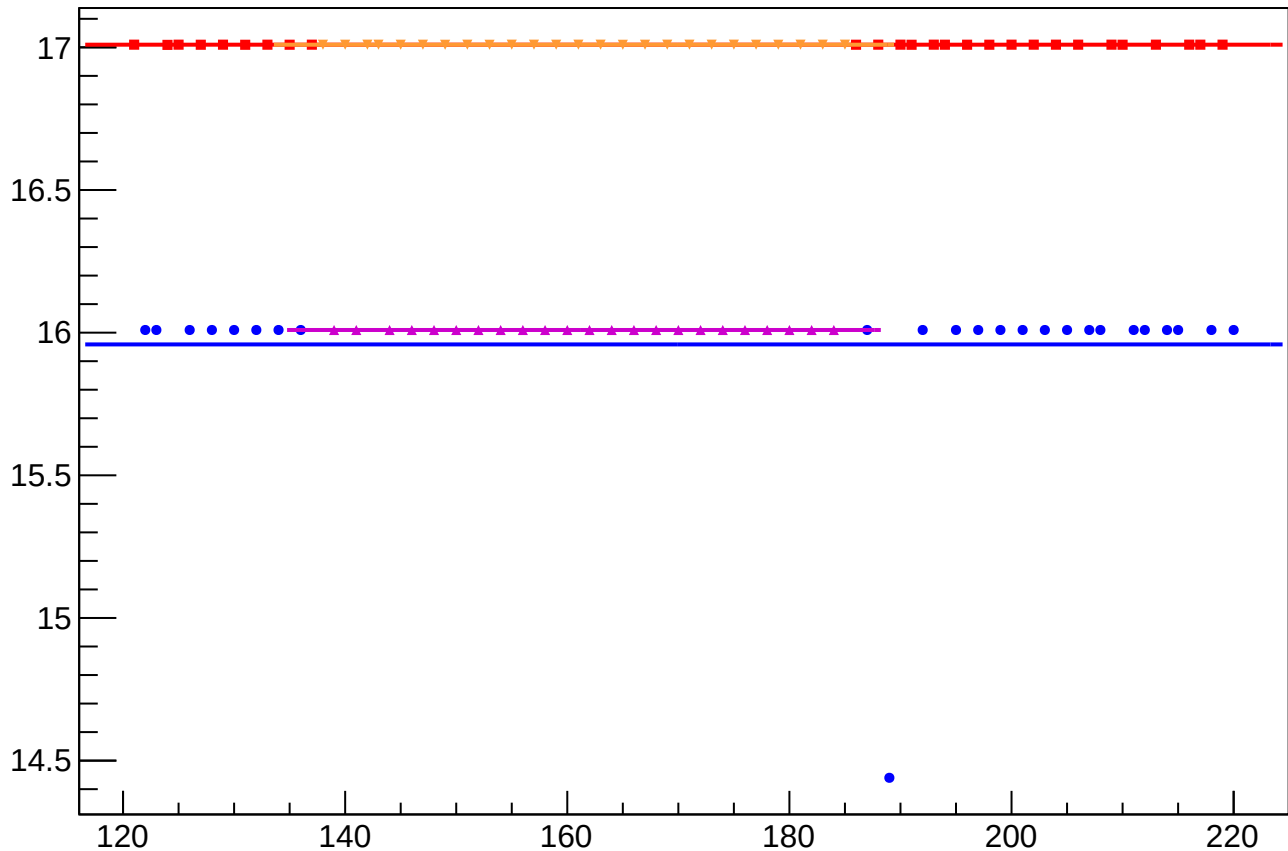
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42459239130433578

All: 0.009+/-0.000 χ^2/NDF : 42766619705159

- sign 0.009+/-0.000 χ^2/NDF : 0.2/49

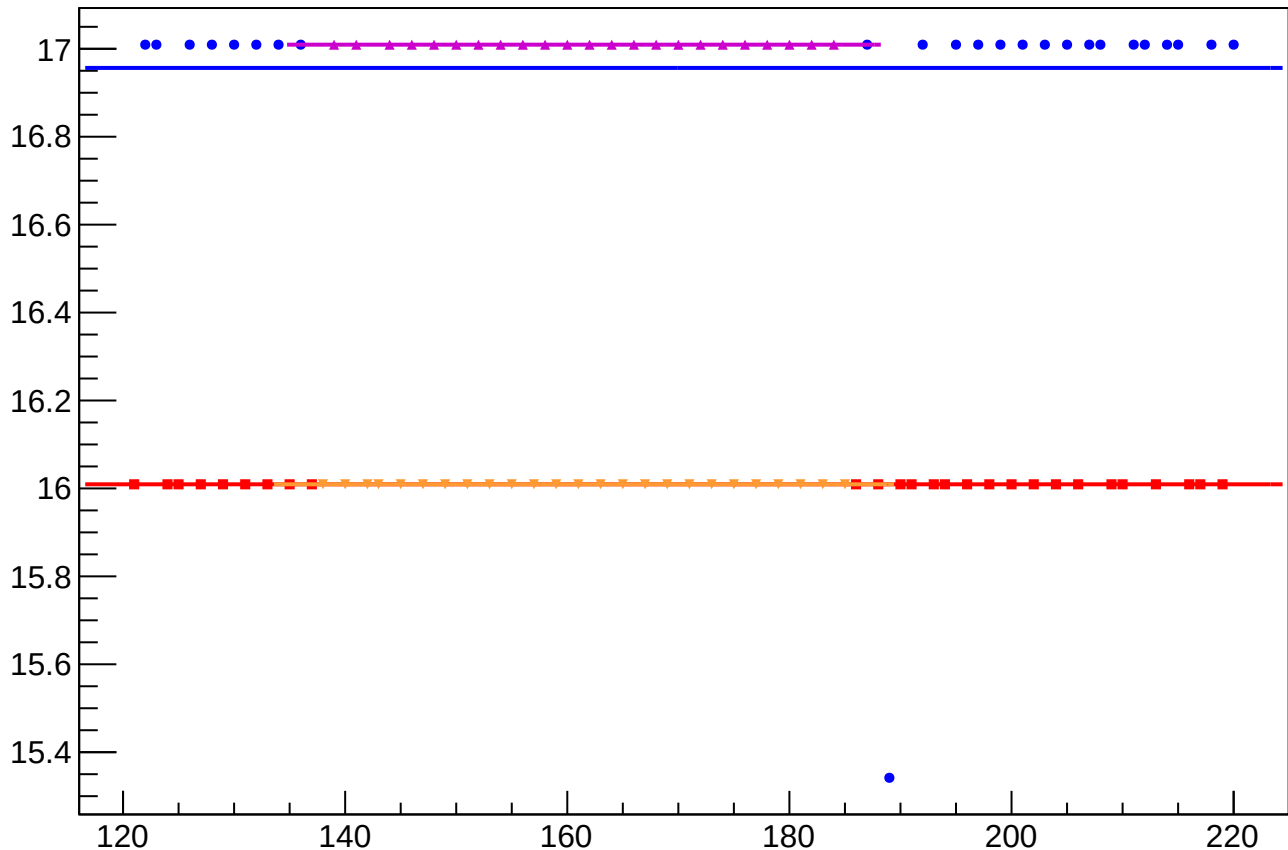
IGL1I00DI24_24M_mean vs Slug



Right In: 15.959+/-0.000 χ^2/NDF : 121588497040149669815414540992512.0/24
 Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24
 Right Out: 17.009+/-0.000 χ^2/NDF : 18464155514781331791806464.0/26
 Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22

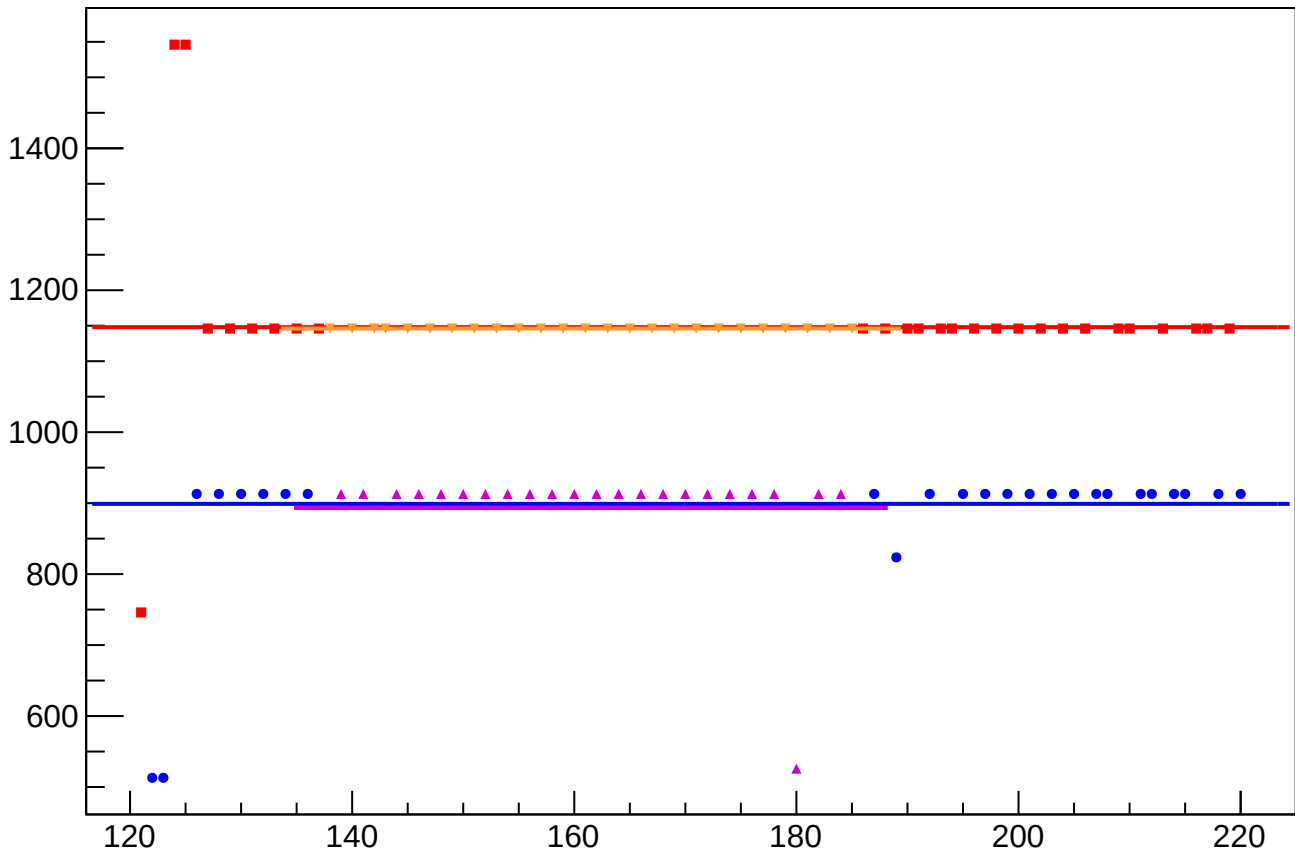
+ sign 16.514+/-0.000 χ^2/NDF : 1044927551391945
 All: 16.504+/-0.000 χ^2/NDF : 1861730342128
 - sign 16.494+/-0.000 χ^2/NDF : 8161589170260634

IGL1I00OD16_16_mean vs Slug



Right In: 16.957 $\pm$ 0.000 χ^2 /NDF: 137326483679513162892551609384960.0/24
 Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 89740.8/24
 Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 253331.6/26
 Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 115033472633445654986752.0/22

RTPAPOSUCNT_mean vs Slug



Right In: 898.969+/-0.000 χ^2/NDF : 7292201971946521657532773135959457792.0/24

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

Right Out: 1148.009+/-0.000 χ^2/NDF : 13754271185883278485733122331782414336.0/26

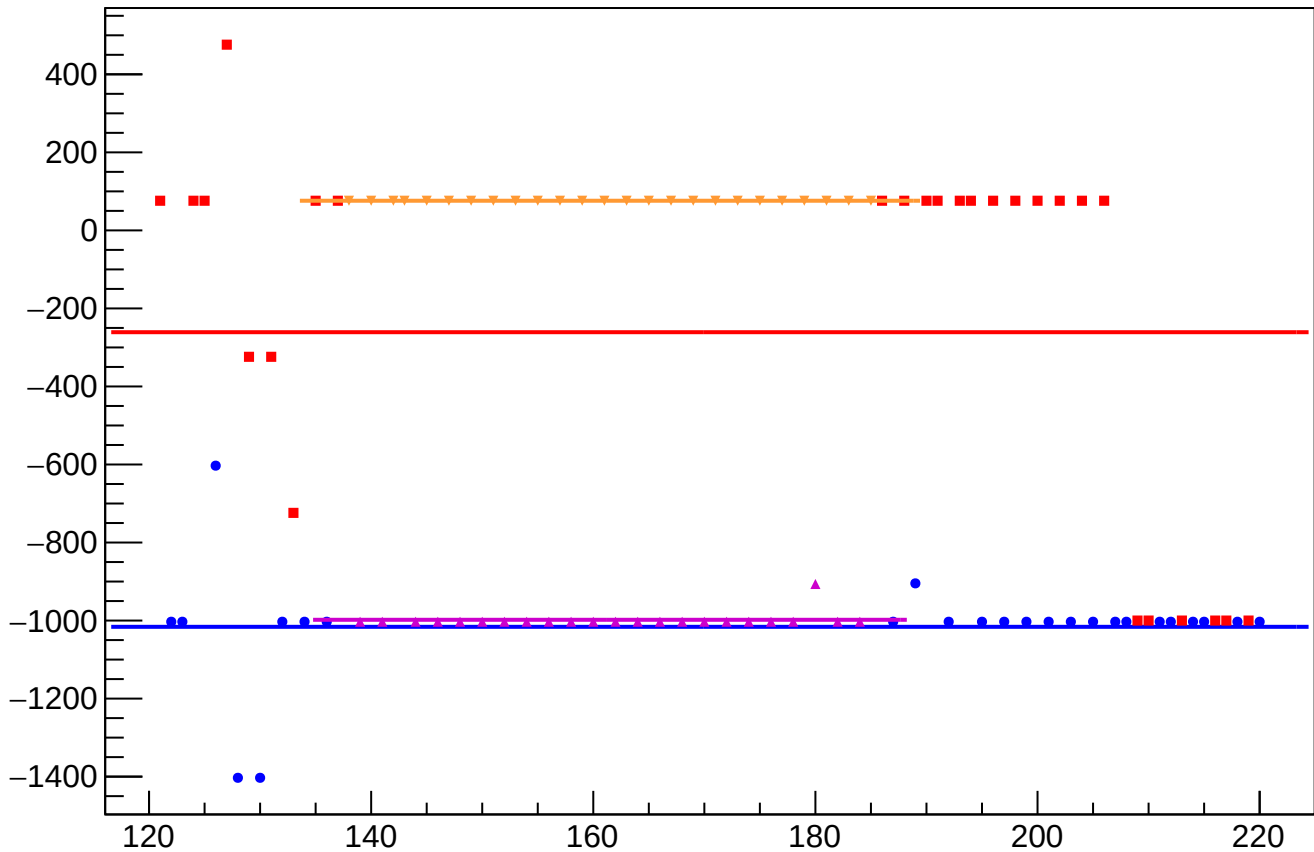
Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

+ sign 1033.056+/-0.000 χ^2/NDF : 60590179140477

All: 1023.044+/-0.000 χ^2/NDF : 1434902589

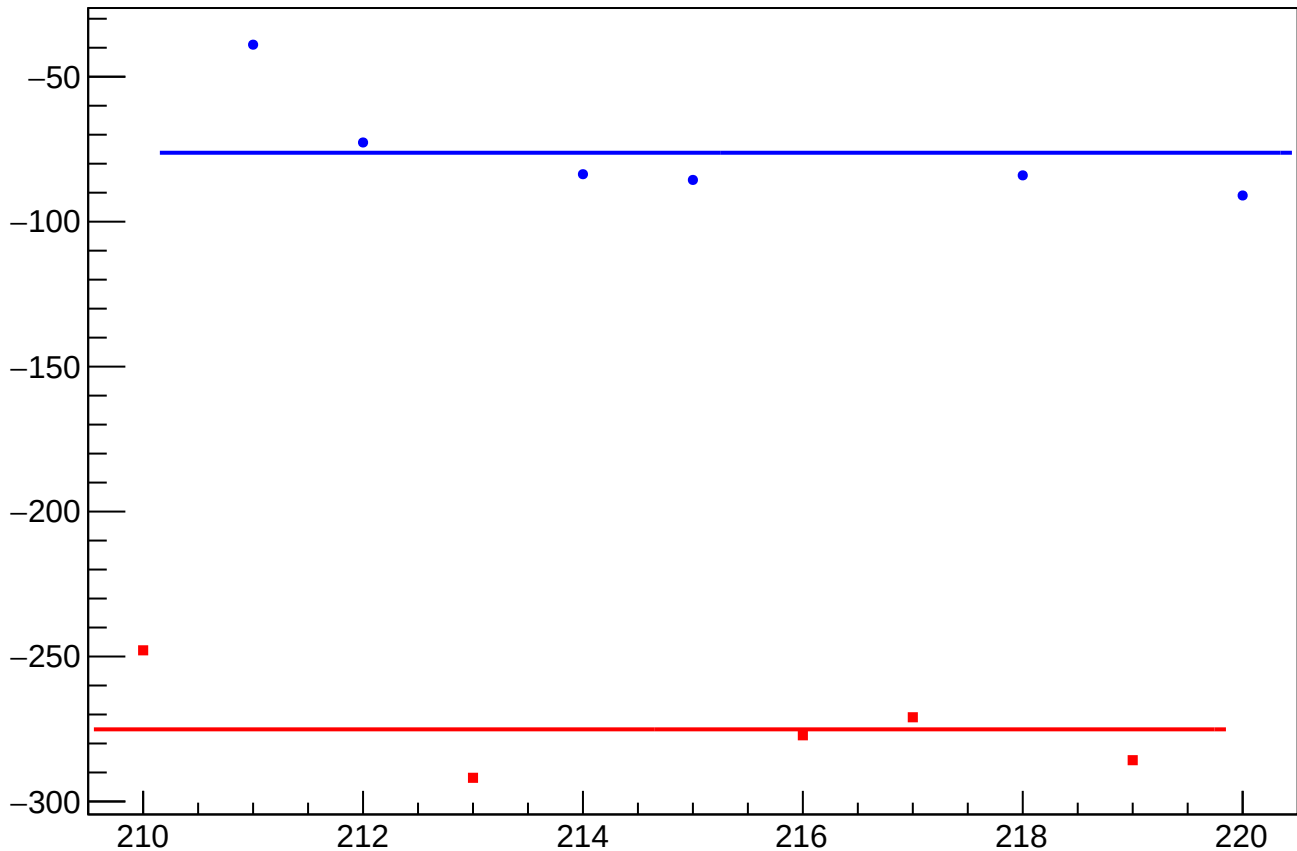
- sign 1012.718+/-0.000 χ^2/NDF : 82183581610162

RTPAPOSVCNT_mean vs Slug



Right In: -1016.031 $\pm$ 0.000 χ^2 /NDF: 23419120959455195311698407487394807808.0/24
 Left Out: 76.011 $\pm$ 0.000 χ^2 /NDF: 11003263624957134120836661248.0/24
 Right Out: -260.938 $\pm$ 0.000 χ^2 /NDF: 393215478595281931183613211087833399296.0/26
 Left In: -998.020 $\pm$ 0.000 χ^2 /NDF: 826231736084035689068445378231140352.0/22

RTPPITA1CNT_mean vs Slug



Right In: -76.225+/-0.000 χ^2/NDF : 141867958285202270567808775252606976.0/5

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

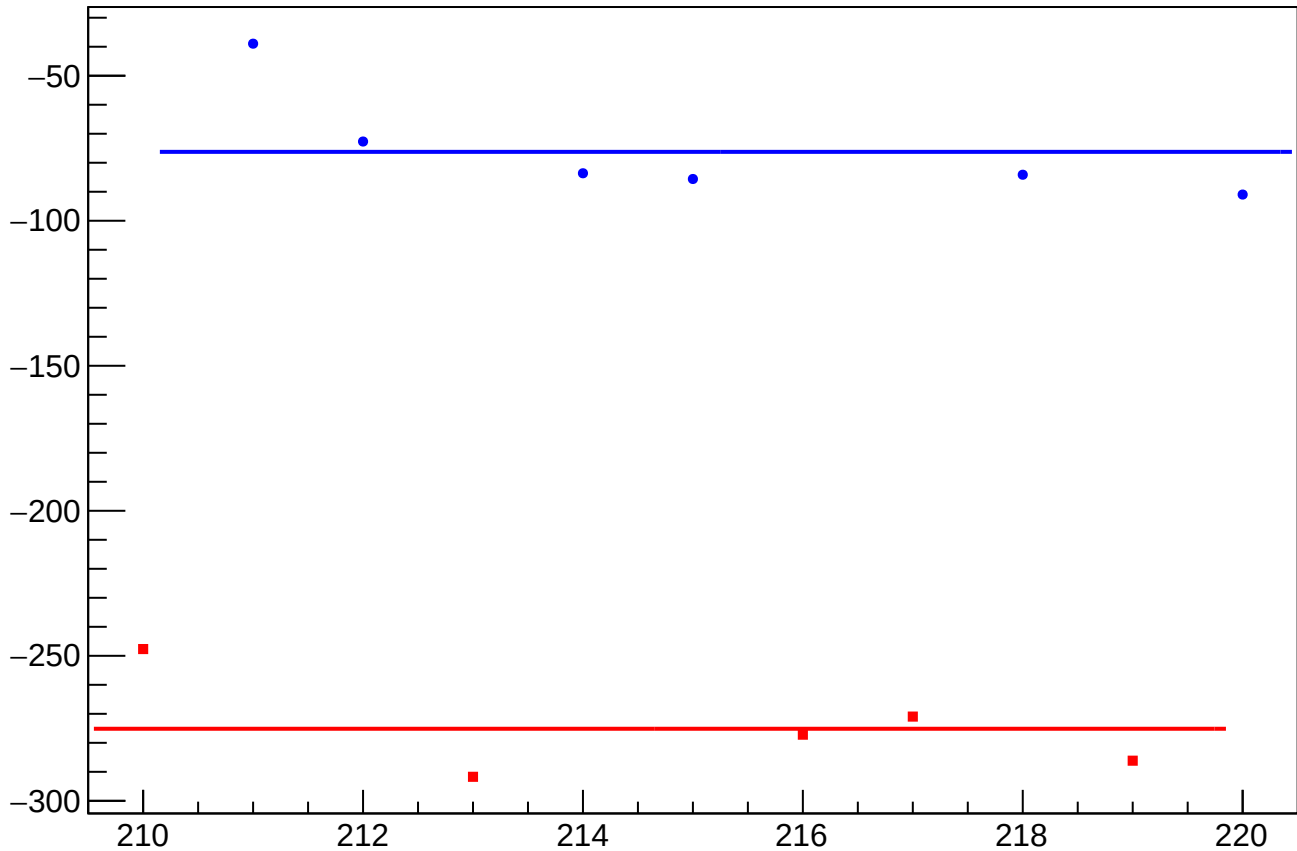
All: -165.589+/-0.000 χ^2/NDF : 85285568297

Right Out: -275.123+/-0.000 χ^2/NDF : 86164430592231083349779893945630720.0/4

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

RTPPITA2CNT_mean vs Slug



Right In: -76.245+/-0.000 χ^2/NDF : 142011984631896394853390918522765312.0/5
+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -165.612+/-0.000 χ^2/NDF : 85305540704
- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -275.151+/-0.000 χ^2/NDF : 87316479018886398499496763095777280.0/4

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0