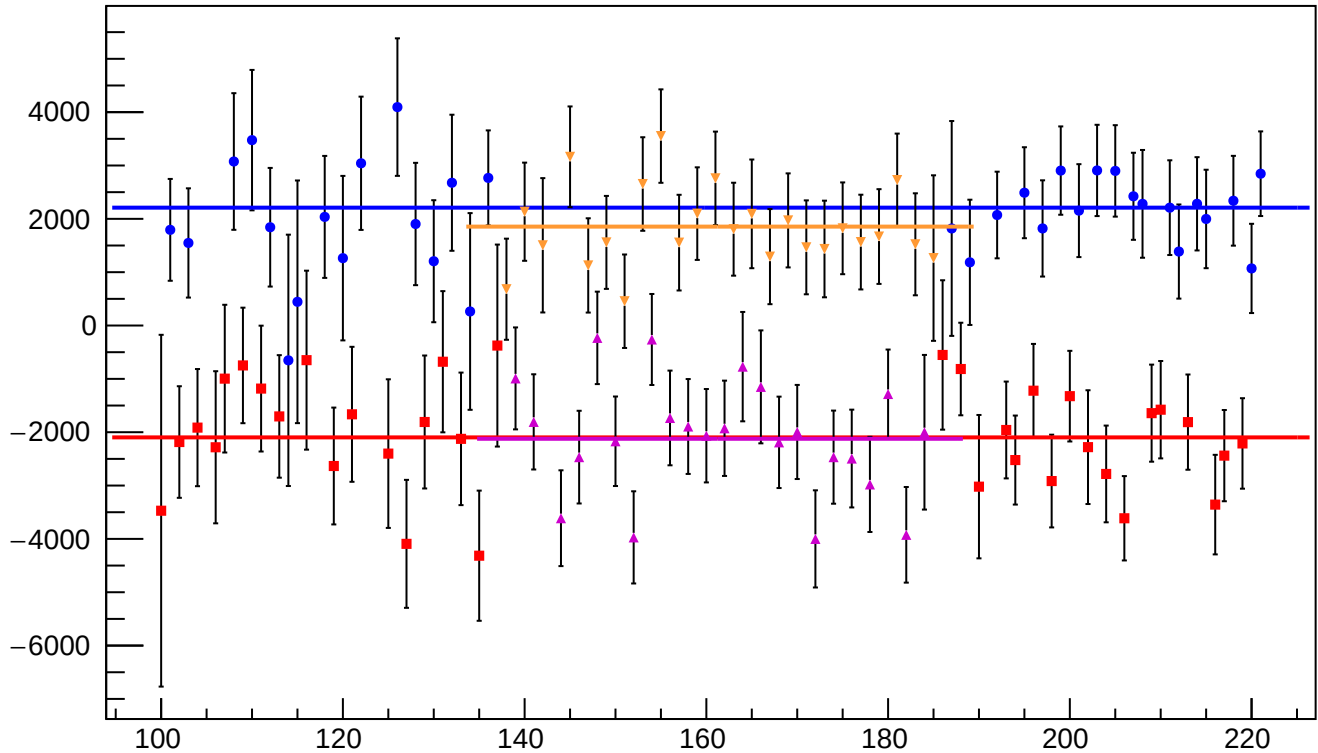


reg_asym_us_avg_mean vs Slug



Right In: 2209.761+/-173.863

χ^2/NDF : 16.3/33

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 2045.321+/-127.459

χ^2/NDF : 33.3/57

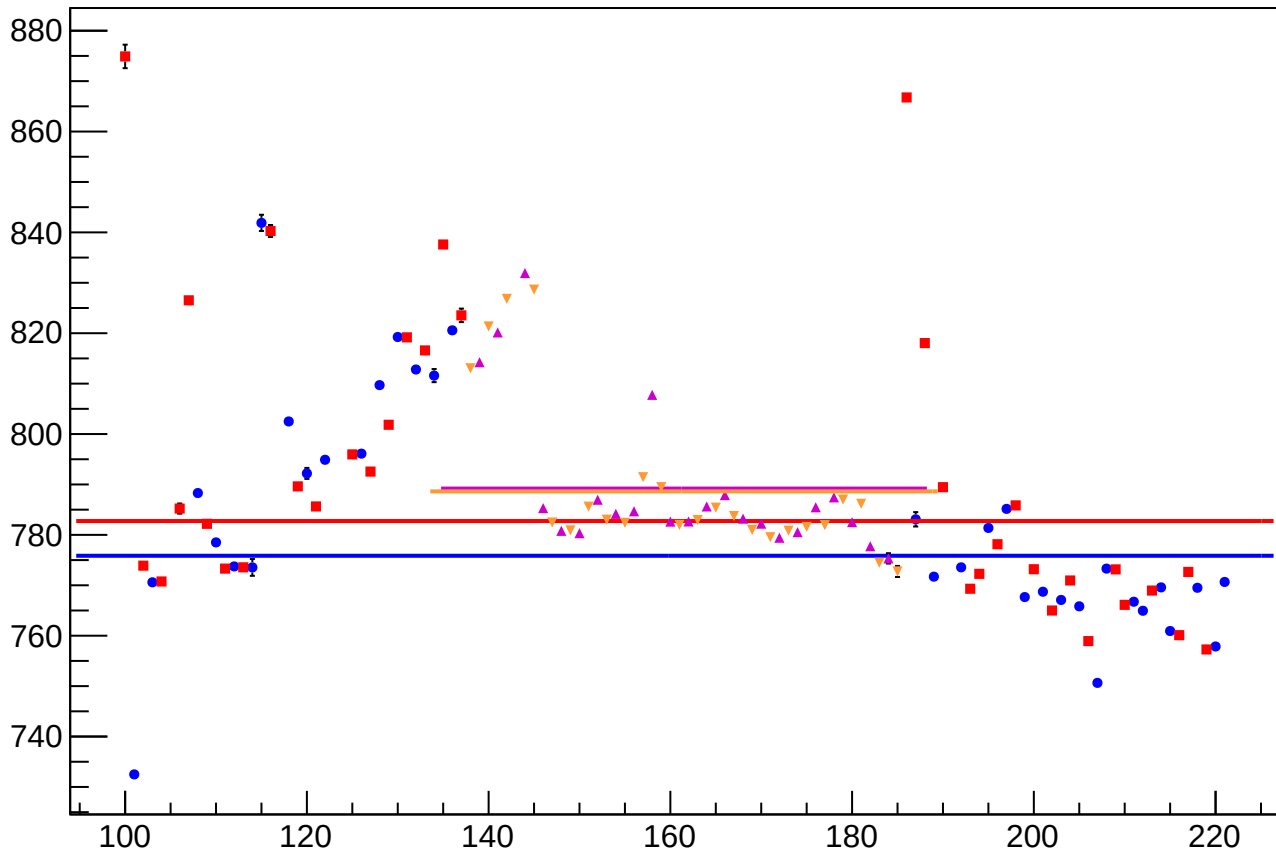
All: 4.634+/-90.919

χ^2/NDF : 613.5/115

- sign -2109.435+/-129.730

χ^2/NDF : 58.2/57

reg_asym_us_avg_rms vs Slug



Right In: 775.857 $\pm$ 0.123 χ^2 /NDF: 25794.2/33

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

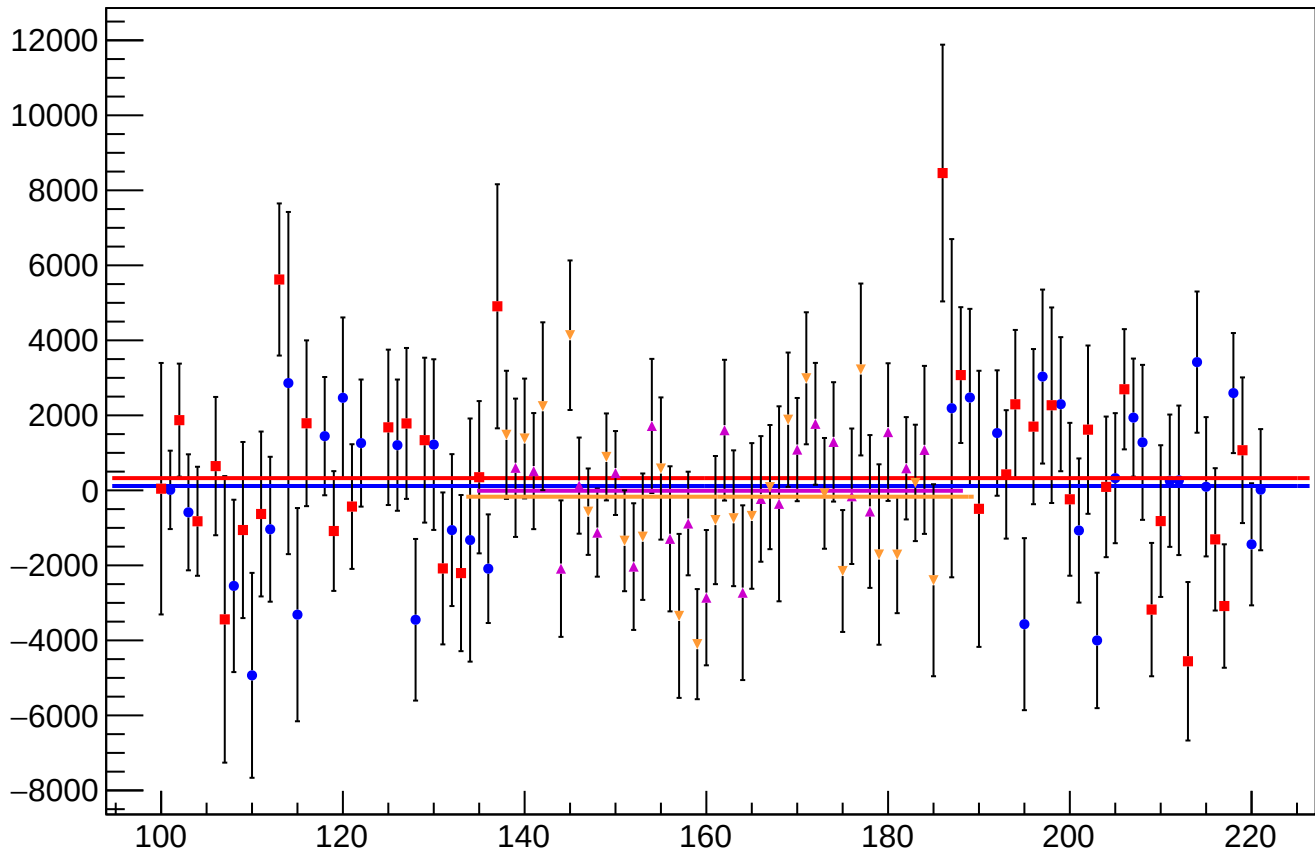
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

+ sign 781.765 $\pm$ 0.090 χ^2 /NDF: 42264.7/57

All: 783.742 $\pm$ 0.064 χ^2 /NDF: 90190.0/115

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

asym_us_avg_correction_mean vs Slug



Right In: 116.457 $\pm$ 320.517 χ^2 /NDF: 37.0/33

Left Out: -169.172 $\pm$ 340.391 χ^2 /NDF:30.0/23

Right Out: 326.625 $\pm$ 338.947 χ^2 /NDF: 44.8/34

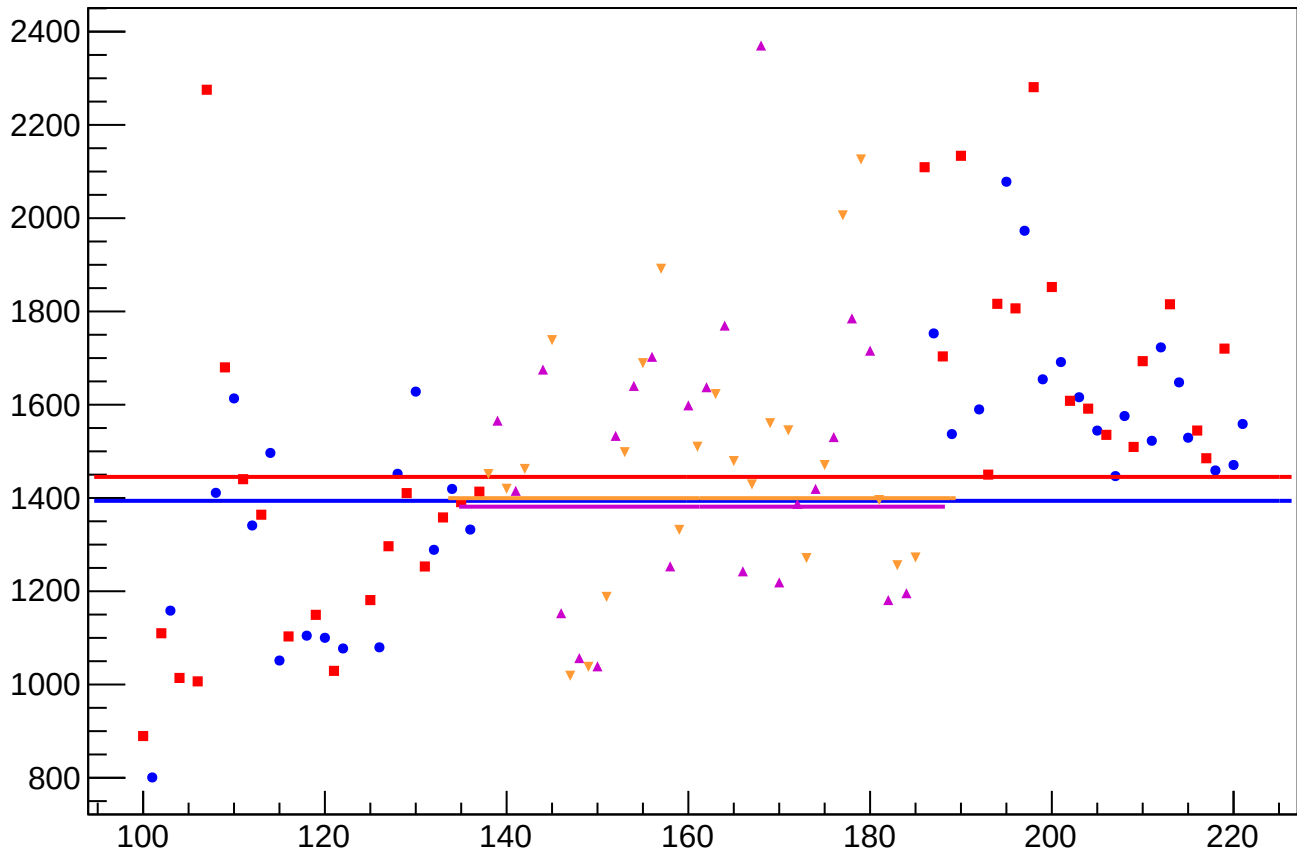
Left In: -10.093 $\pm$ 337.810 χ^2 /NDF:14.2/22

+ sign -17.776 $\pm$ 233.349 χ^2 /NDF: 67.3/57

All: 67.764 $\pm$ 167.056 χ^2 /NDF: 127.2/115

- sign 157.700 $\pm$ 239.269 χ^2 /NDF: 59.5/57

asym_us_avg_correction_rms vs Slug



Right In: 1393.883 $\pm$ 0.227 χ^2 /NDF: 1650553.0/33

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

+ sign 1396.563 $\pm$ 0.165 χ^2 /NDF: 2769975.8/57

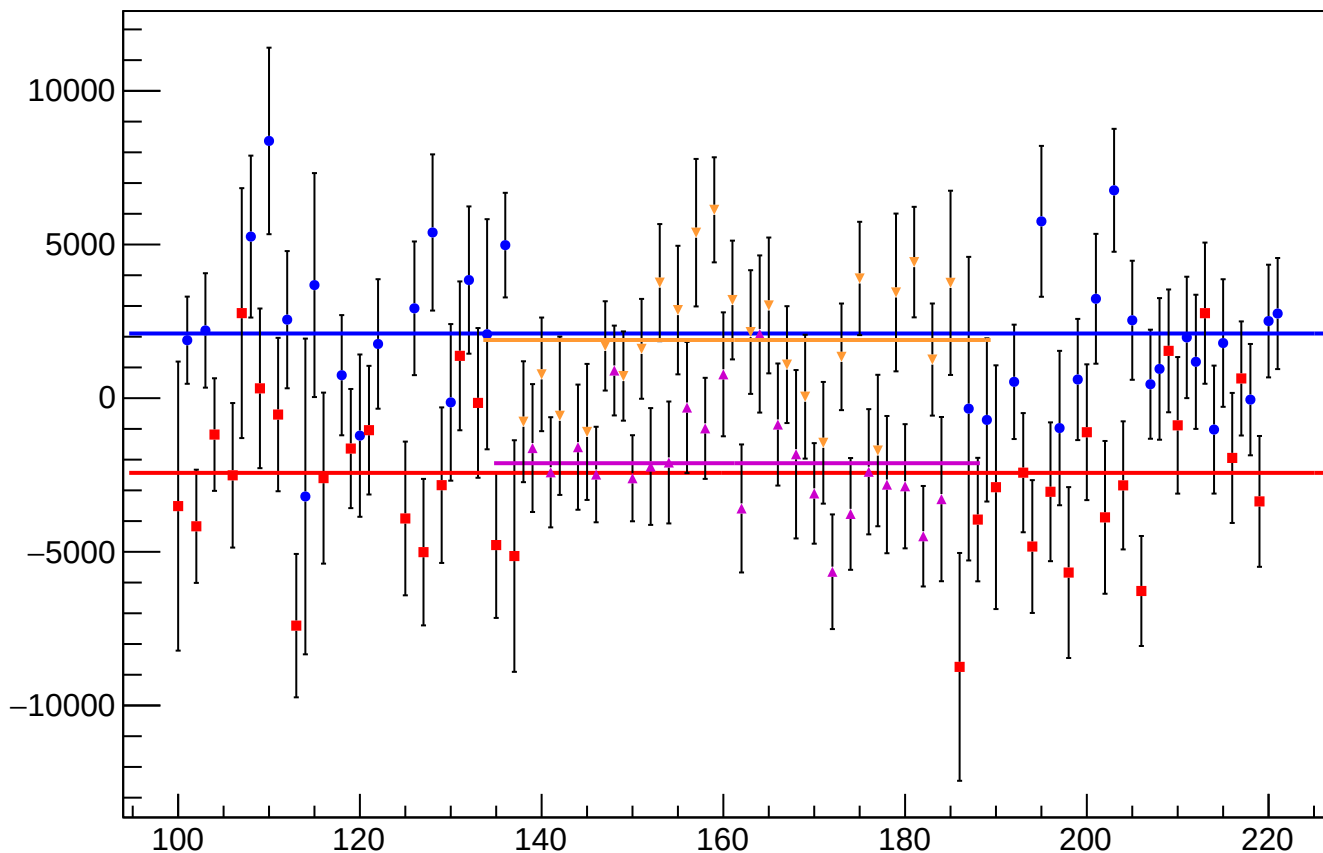
Right Out: 1445.191 $\pm$ 0.240 χ^2 /NDF: 1641940.0/34

All: 1404.658 $\pm$ 0.118 χ^2 /NDF: 5728925.6/11

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: 2104.725 $\pm$ 371.909 χ^2 /NDF: 32.4/33

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

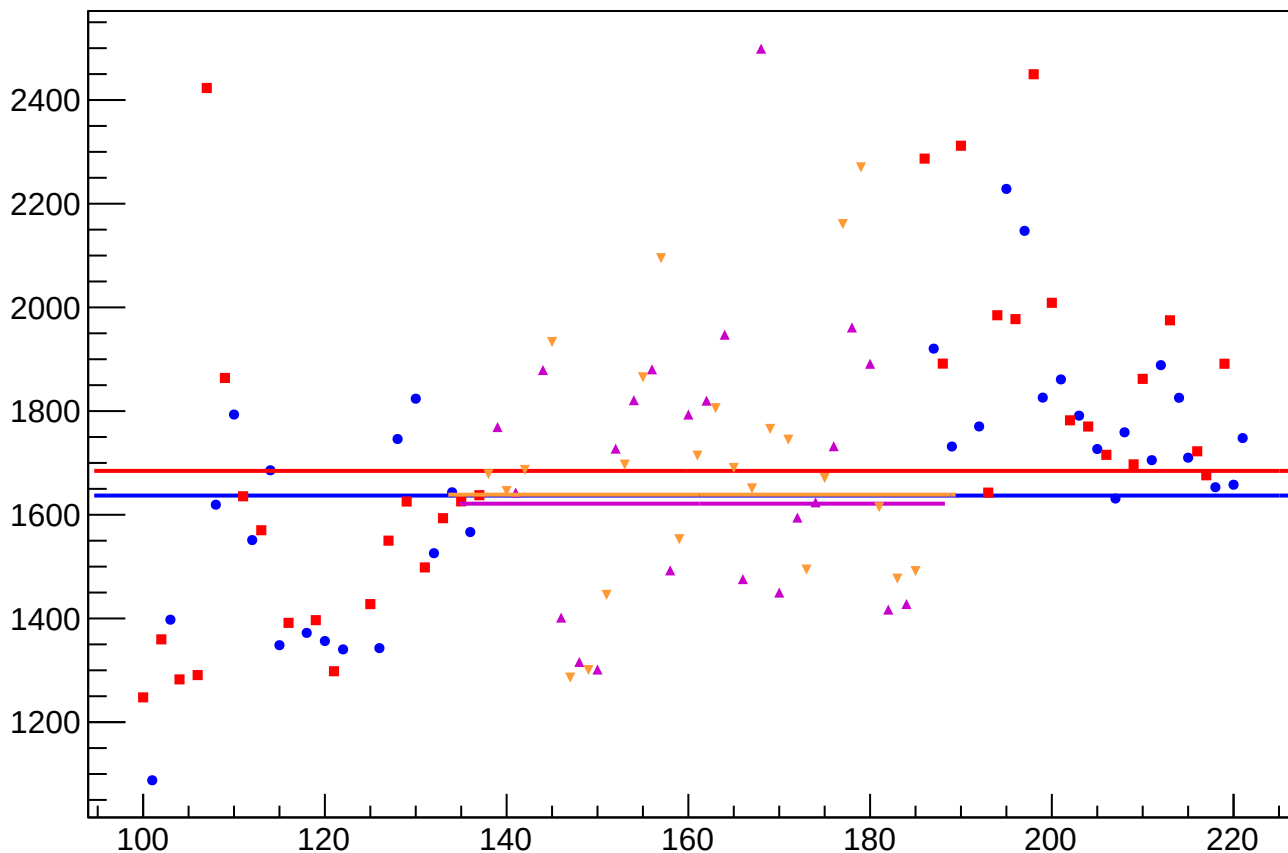
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 2005.419 $\pm$ 270.735 χ^2 /NDF: 58.5/57

All: -84.843 $\pm$ 193.647 χ^2 /NDF: 239.9/115

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

asym_us_avg_rms vs Slug



Right In: 1637.051 $\pm$ 0.263 χ^2 /NDF: 848248.9/33

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

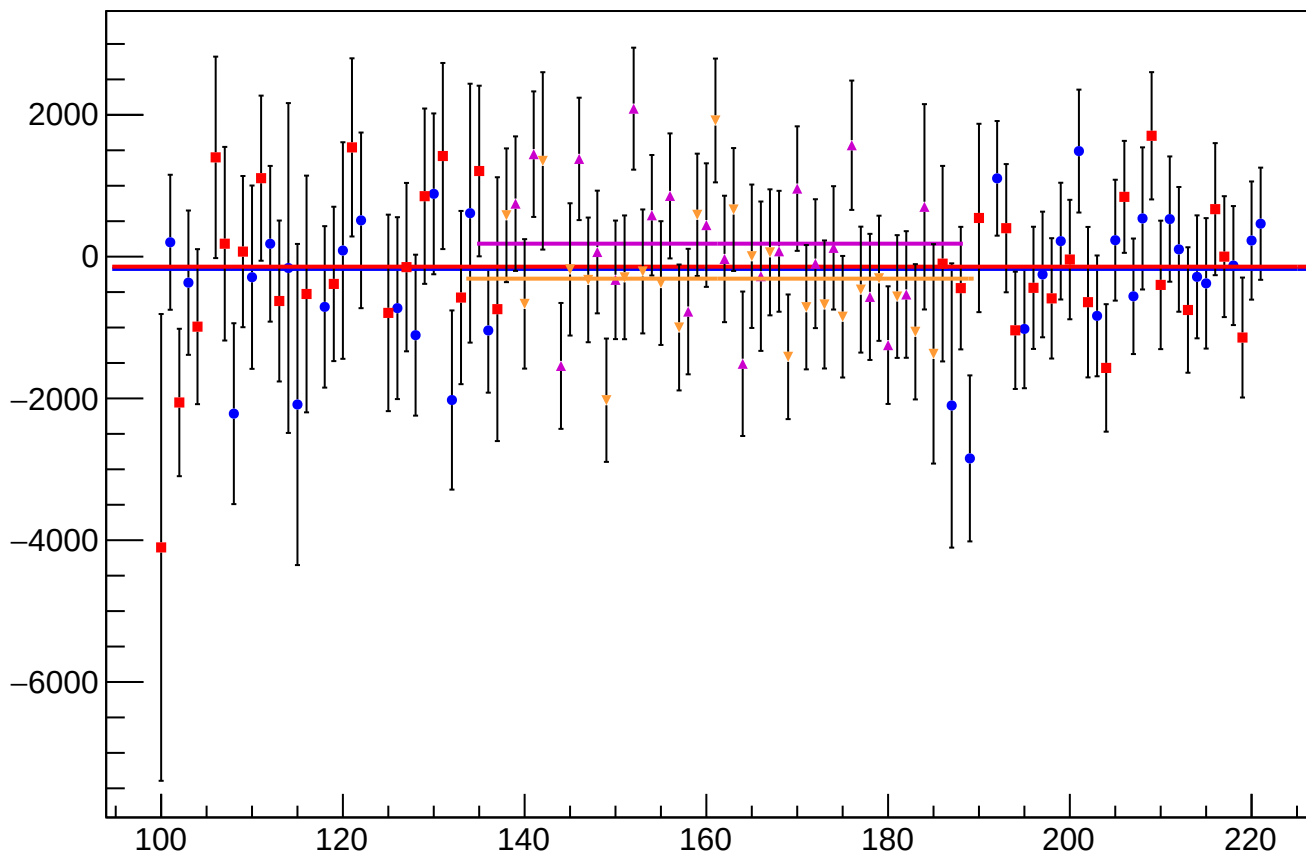
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1637.876 $\pm$ 0.191 χ^2 /NDF: 1520176.5/57

All: 1645.366 $\pm$ 0.137 χ^2 /NDF: 3279972.1/11

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

reg_asym_us_dd_mean vs Slug



Right In: -173.456+/-172.685 χ^2/NDF : 26.0/33

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

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

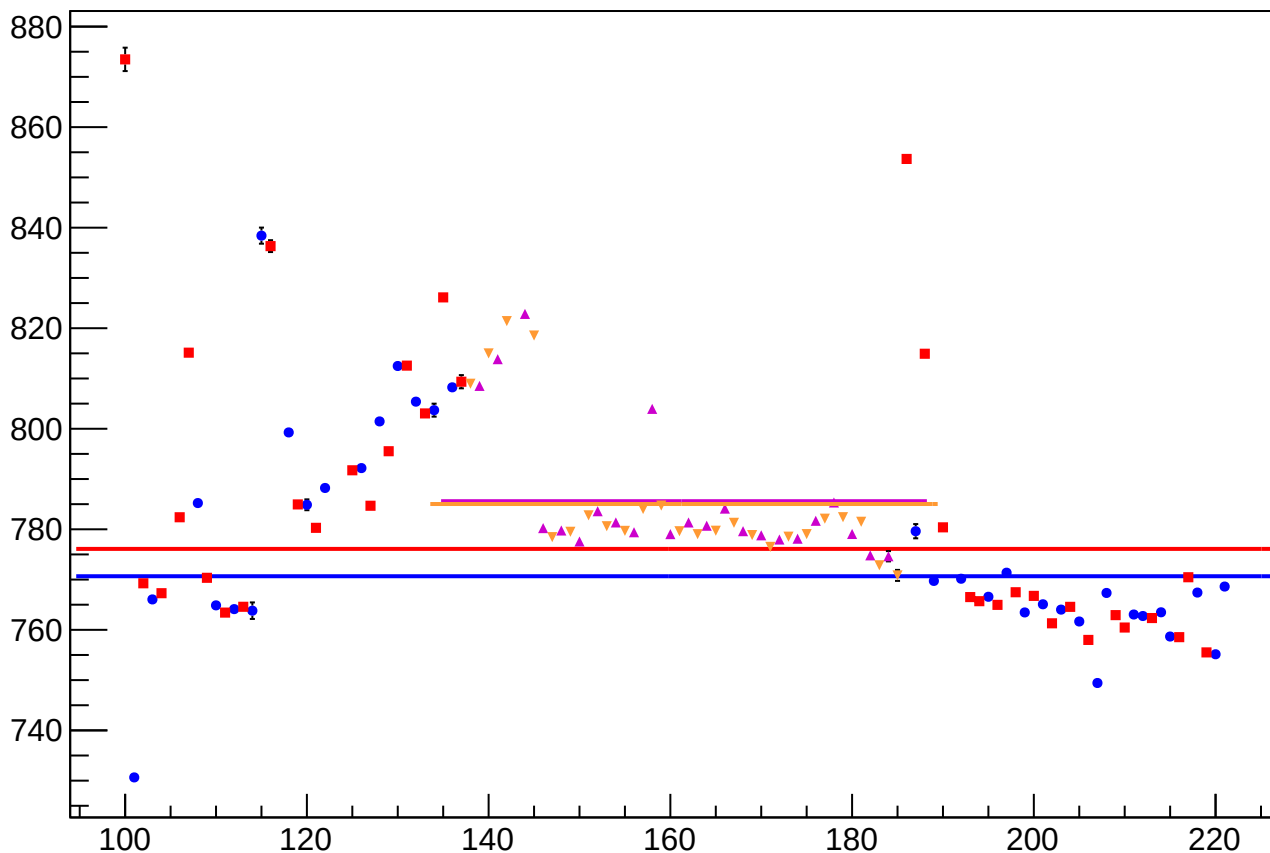
Left In: 182.895+/-187.817 χ^2/NDF : 26.1/22

+ sign -236.730+/-126.722 χ^2/NDF : 46.3/57

All: -114.839+/-90.353 χ^2/NDF : 103.2/115

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

reg_asym_us_dd_rms vs Slug



Right In: 770.663 $\pm$ 0.122 χ^2 /NDF: 21750.5/33

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

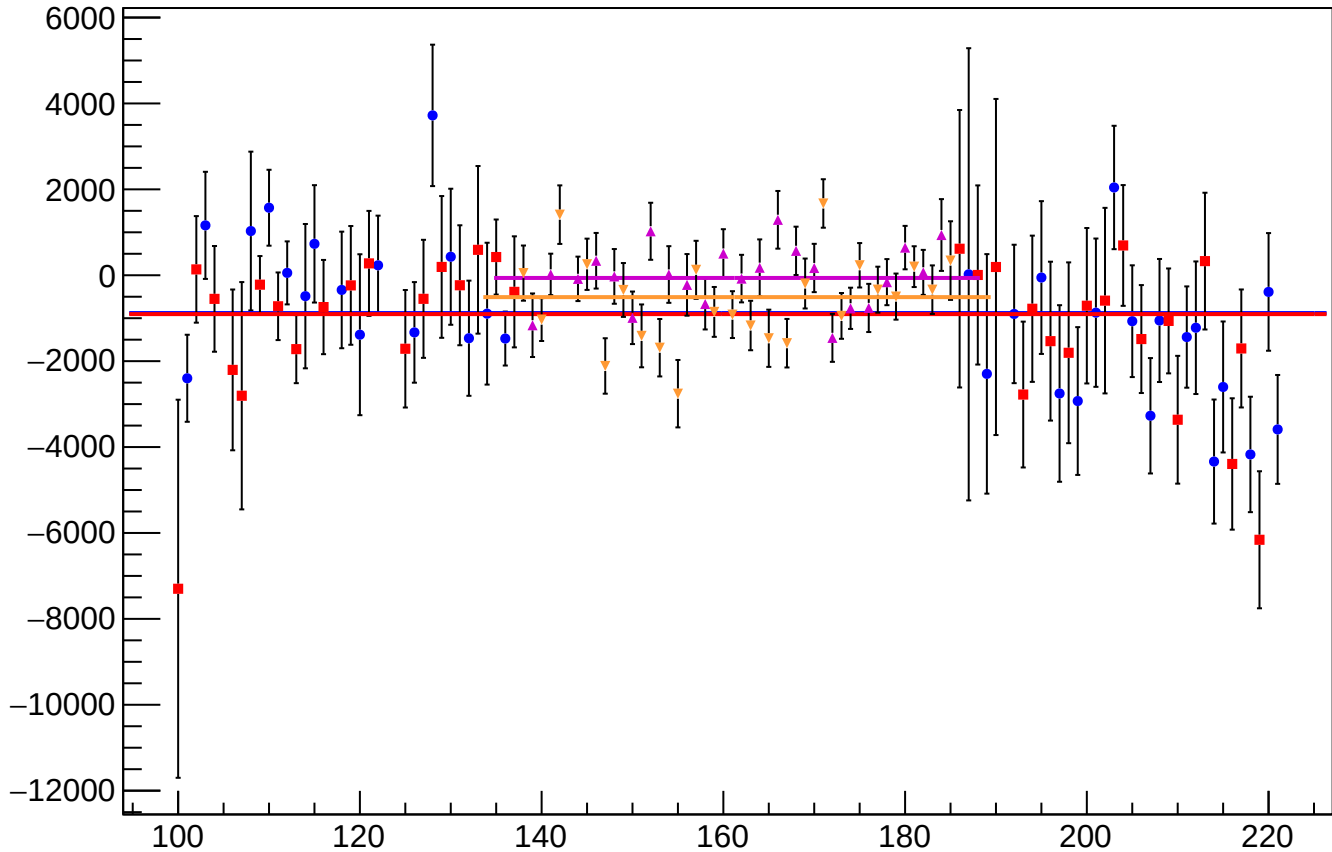
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF:9373.7/22

+ sign 777.294 $\pm$ 0.090 χ^2 /NDF: 37507.4/57

All: 778.904 $\pm$ 0.064 χ^2 /NDF: 81574.6/115

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

asym_us_dd_correction_mean vs Slug



Right In: -880.725 ± 222.937 $\chi^2/\text{NDF}: 55.7/33$

Left Out: -509.311 ± 121.190 $\chi^2/\text{NDF}: 60.5/23$

Right Out: -904.953 ± 226.375 $\chi^2/\text{NDF}: 34.7/34$

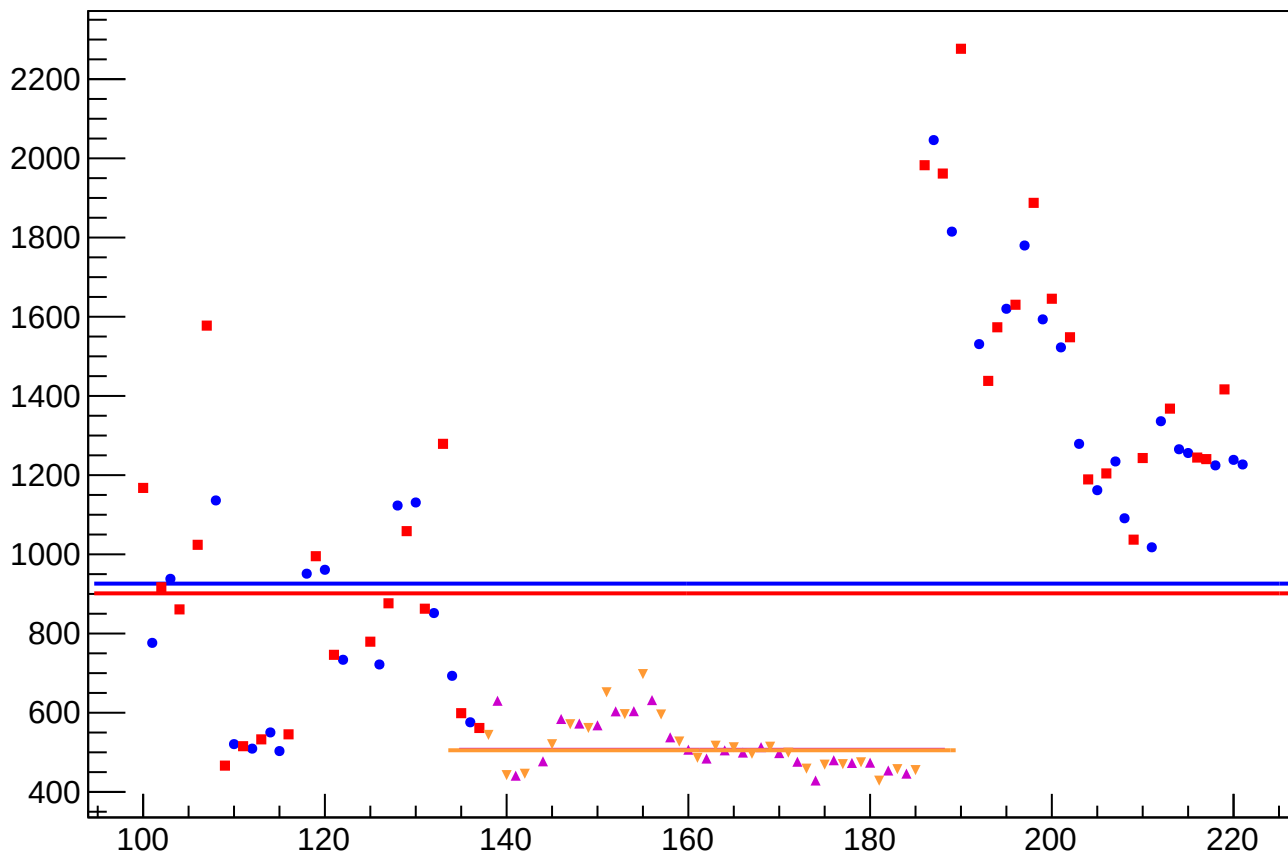
Left In: -62.768 ± 122.045 $\chi^2/\text{NDF}: 28.8/22$

+ sign -594.032 ± 106.475 $\chi^2/\text{NDF}: 118.4/57$

All: -424.752 ± 75.624 $\chi^2/\text{NDF}: 197.7/115$

- sign -252.430 ± 107.428 $\chi^2/\text{NDF}: 74.2/57$

asym_us_dd_correction_rms vs Slug



Right In: 926.052+/-0.158 χ^2/NDF : 5031075.2/33

Left Out: 505.220+/-0.086 χ^2/NDF : 485593.0/23

Right Out: 901.440+/-0.160 χ^2/NDF : 6355392.8/34

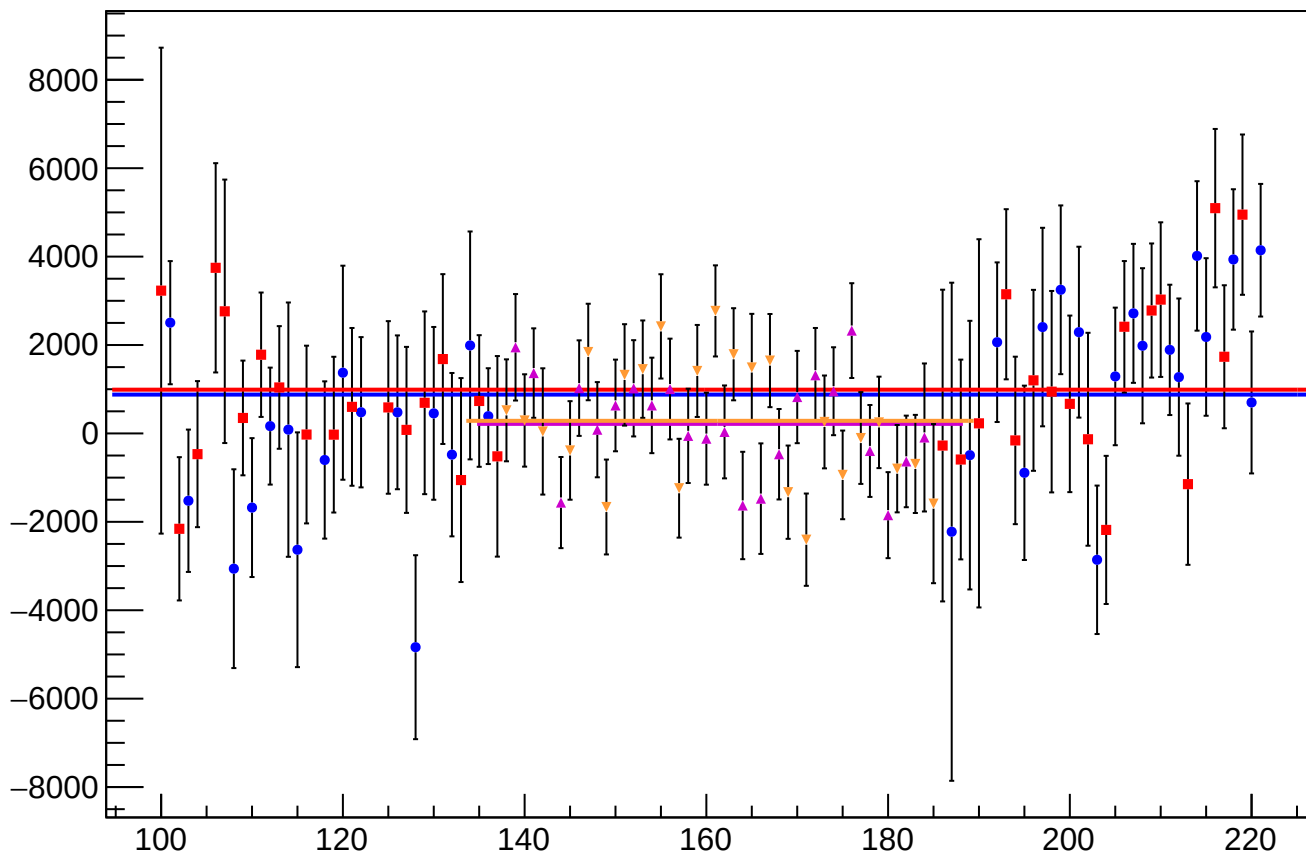
Left In: 506.380+/-0.086 χ^2/NDF : 436294.4/22

+ sign 601.213+/-0.075 χ^2/NDF : 11017705.3/57

All: 598.307+/-0.053 χ^2/NDF : 22531797.4/11

- sign 595.349+/-0.076 χ^2/NDF : 11511085.3/57

asym_us_dd_mean vs Slug



Right In: 878.512 $\pm$ 302.904 χ^2 /NDF: 44.8/33

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

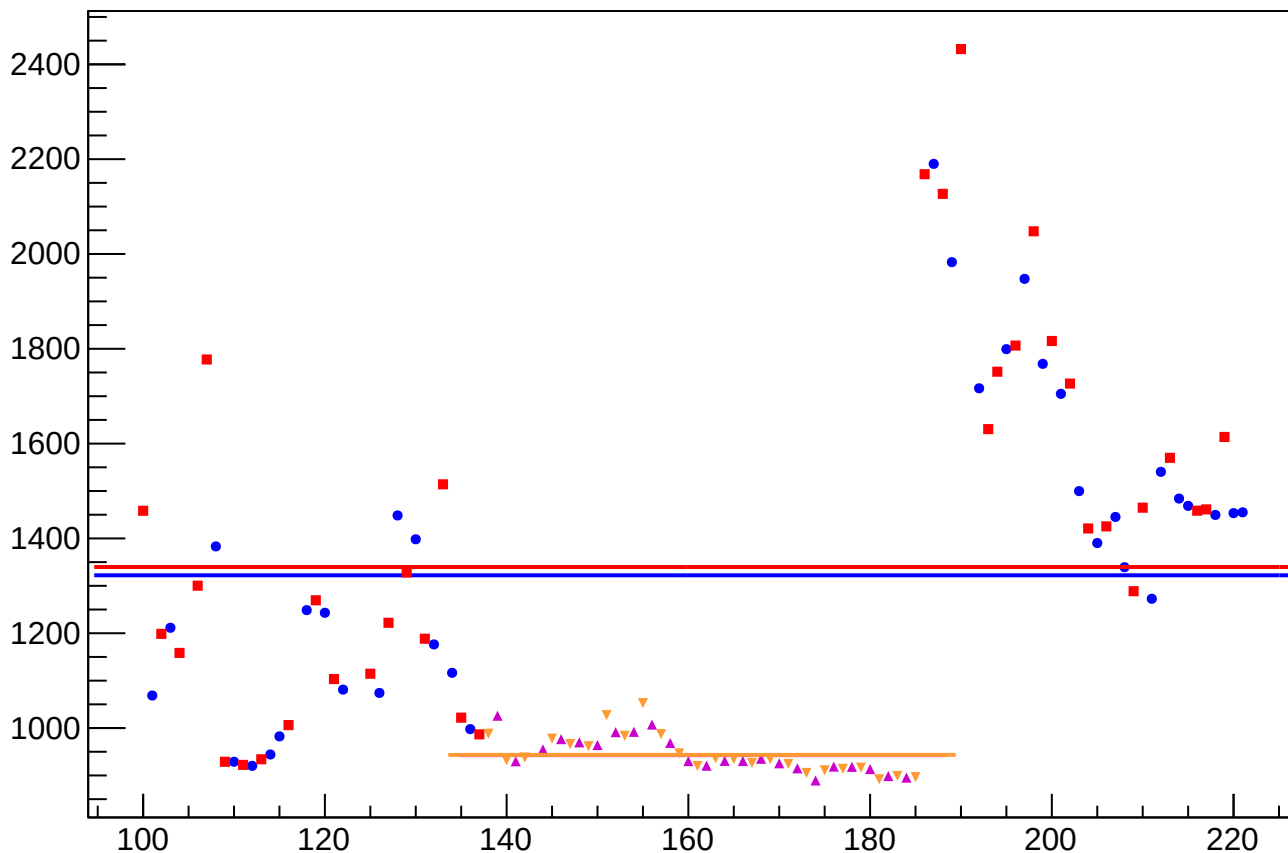
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 495.378 $\pm$ 180.299 χ^2 /NDF: 85.5/57

All: 486.936 $\pm$ 128.593 χ^2 /NDF: 144.6/115

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

asym_us_dd_rms vs Slug



Right In: 1322.240+/-0.214 χ^2/NDF : 1597644.7/33

Left Out: 943.351+/-0.159 χ^2/NDF : 60365.2/23

Right Out: 1339.670+/-0.223 χ^2/NDF : 2137984.0/34

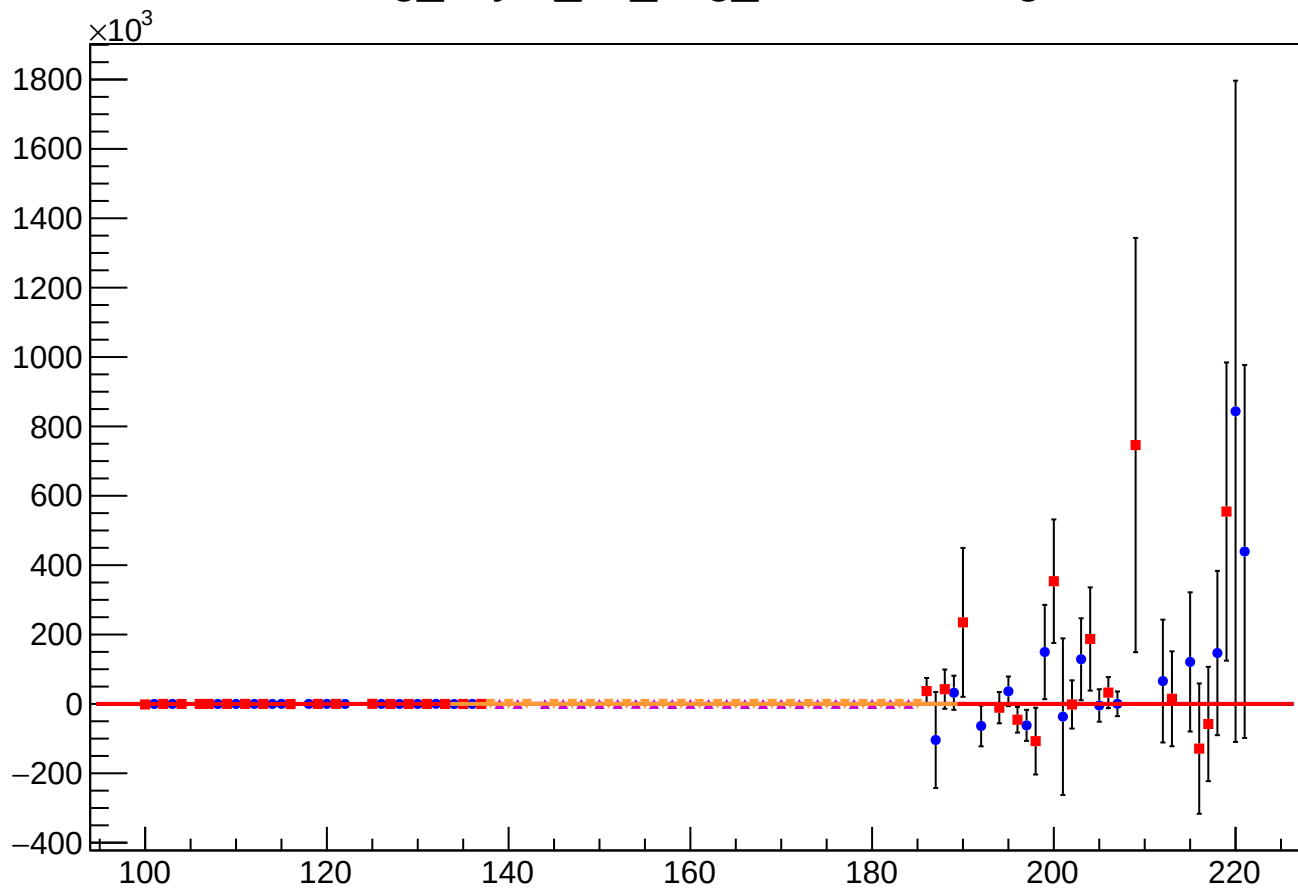
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1077.593+/-0.127 χ^2/NDF : 3678578.5/57

All: 1077.452+/-0.091 χ^2/NDF : 7960010.5/11

- sign 1077.306+/-0.130 χ^2/NDF : 4281429.5/57

reg_asym_ds_avg_mean vs Slug



Right In: -15.548 ± 30.032 χ^2/NDF : 25.5/30

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

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

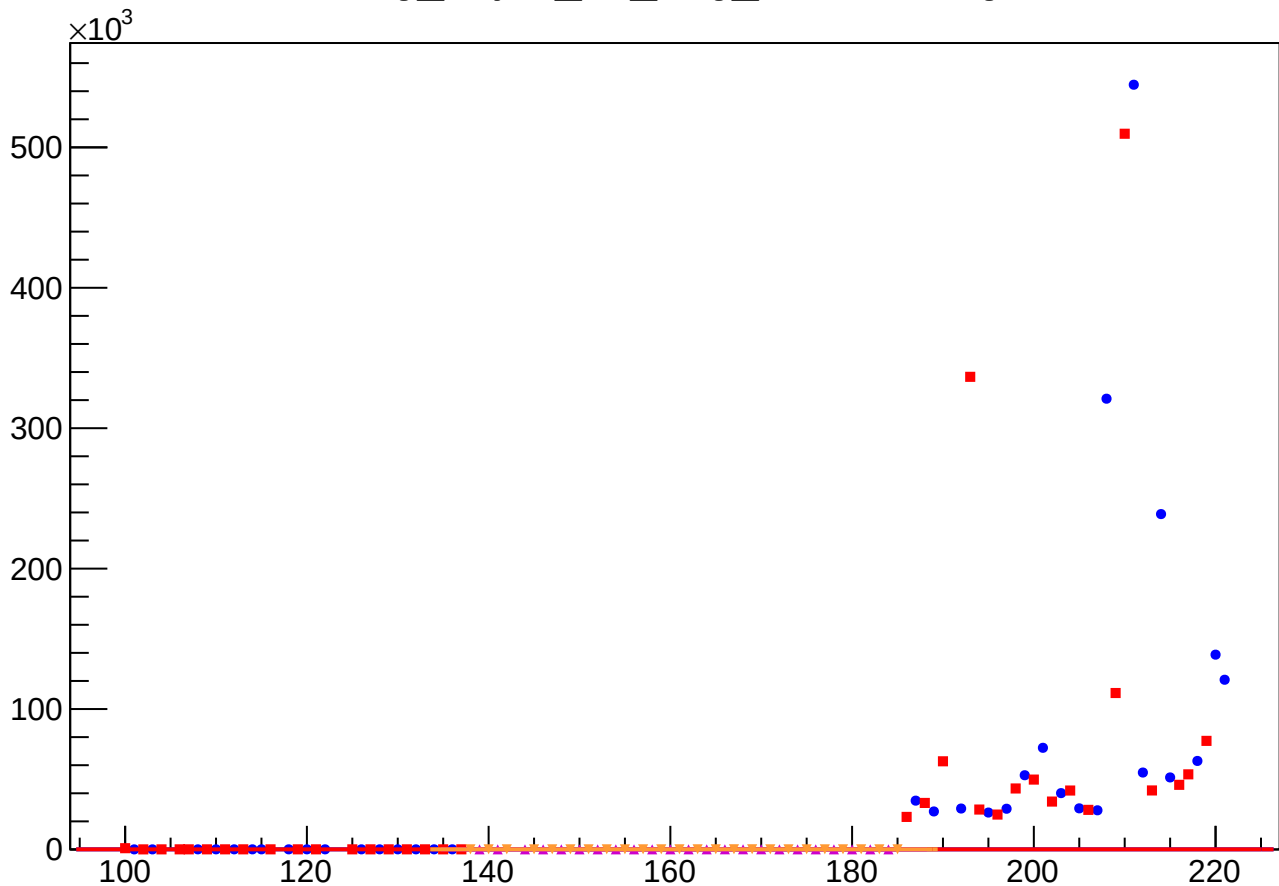
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.802 ± 17.464 χ^2/NDF : 48.2/54

All: 0.909 ± 12.403 χ^2/NDF : 105.2/110

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

reg_asym_ds_avg_rms vs Slug



Right In: 76.144 $\pm$ 0.021 χ^2 /NDF: 7120930.0/33

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

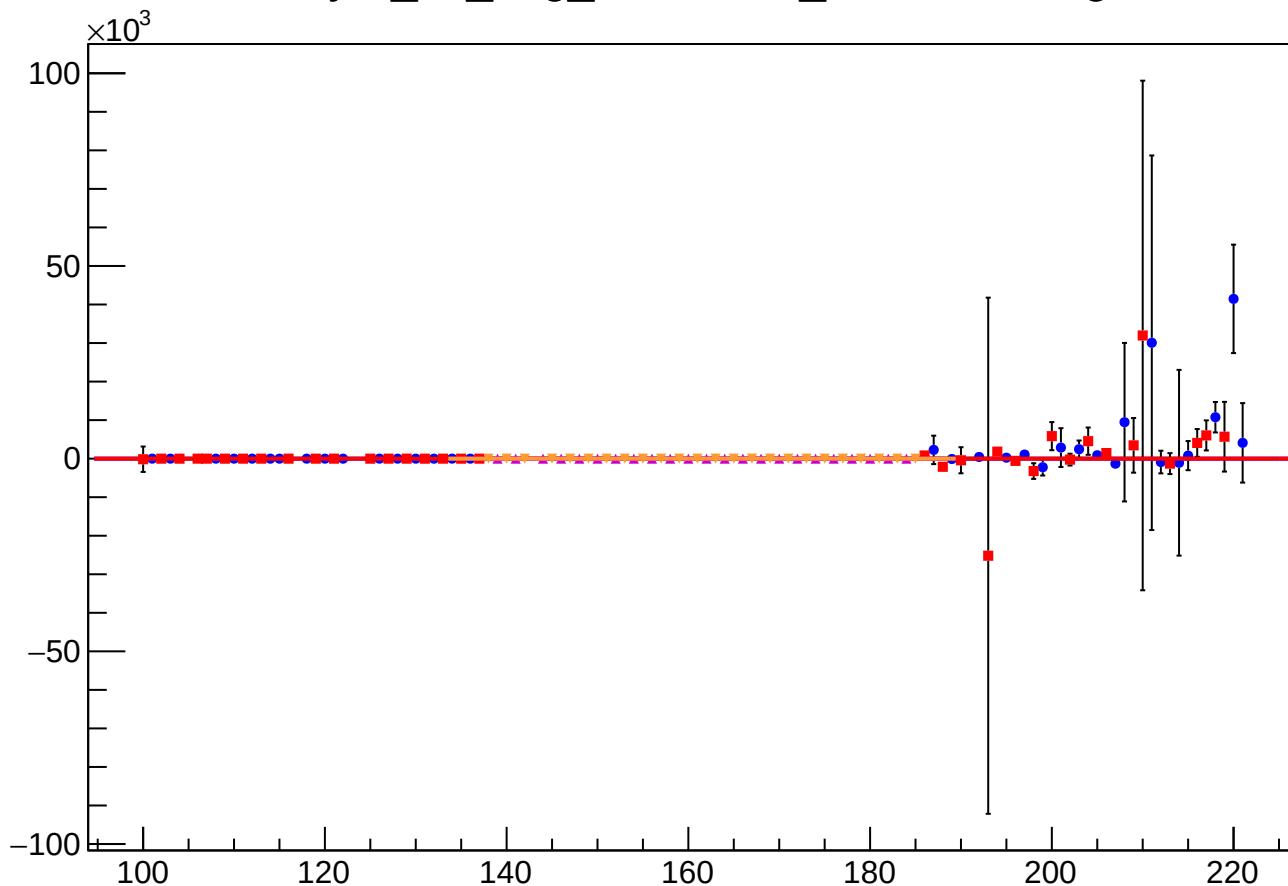
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.111 $\pm$ 0.012 χ^2 /NDF: 7856596.7/57

All: 85.657 $\pm$ 0.009 χ^2 /NDF: 15149956.0/115

- 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 $\chi^2/\text{NDF}: 47.8/33$

Left Out: 0.126 ± 0.377 $\chi^2/\text{NDF}: 21.3/23$

Right Out: -0.038 ± 0.525 $\chi^2/\text{NDF}: 33.8/34$

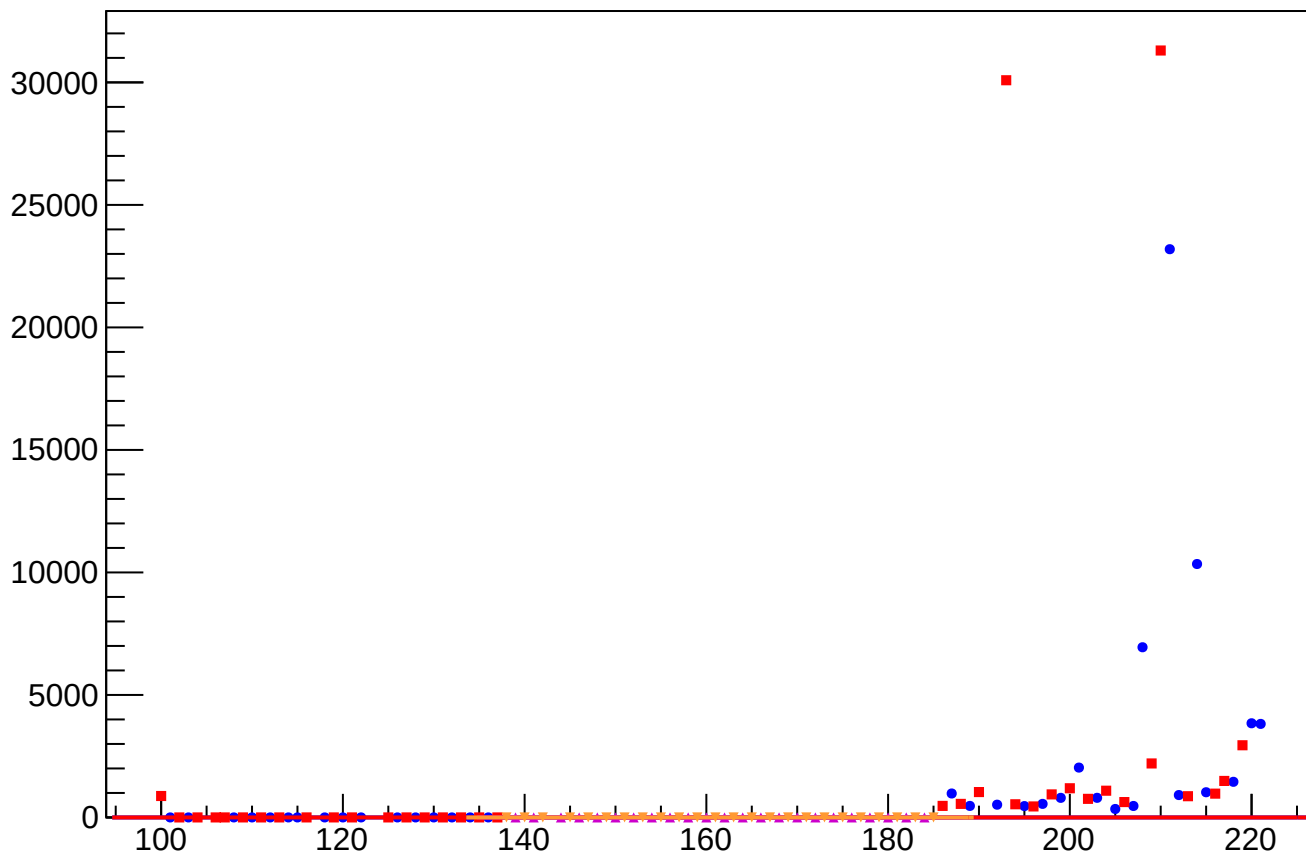
Left In: 0.519 ± 0.387 $\chi^2/\text{NDF}: 26.3/22$

+ sign -0.024 ± 0.301 $\chi^2/\text{NDF}: 69.6/57$

All: 0.144 ± 0.217 $\chi^2/\text{NDF}: 131.1/115$

- sign 0.323 ± 0.312 $\chi^2/\text{NDF}: 60.8/57$

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 7412897.0/33

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

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

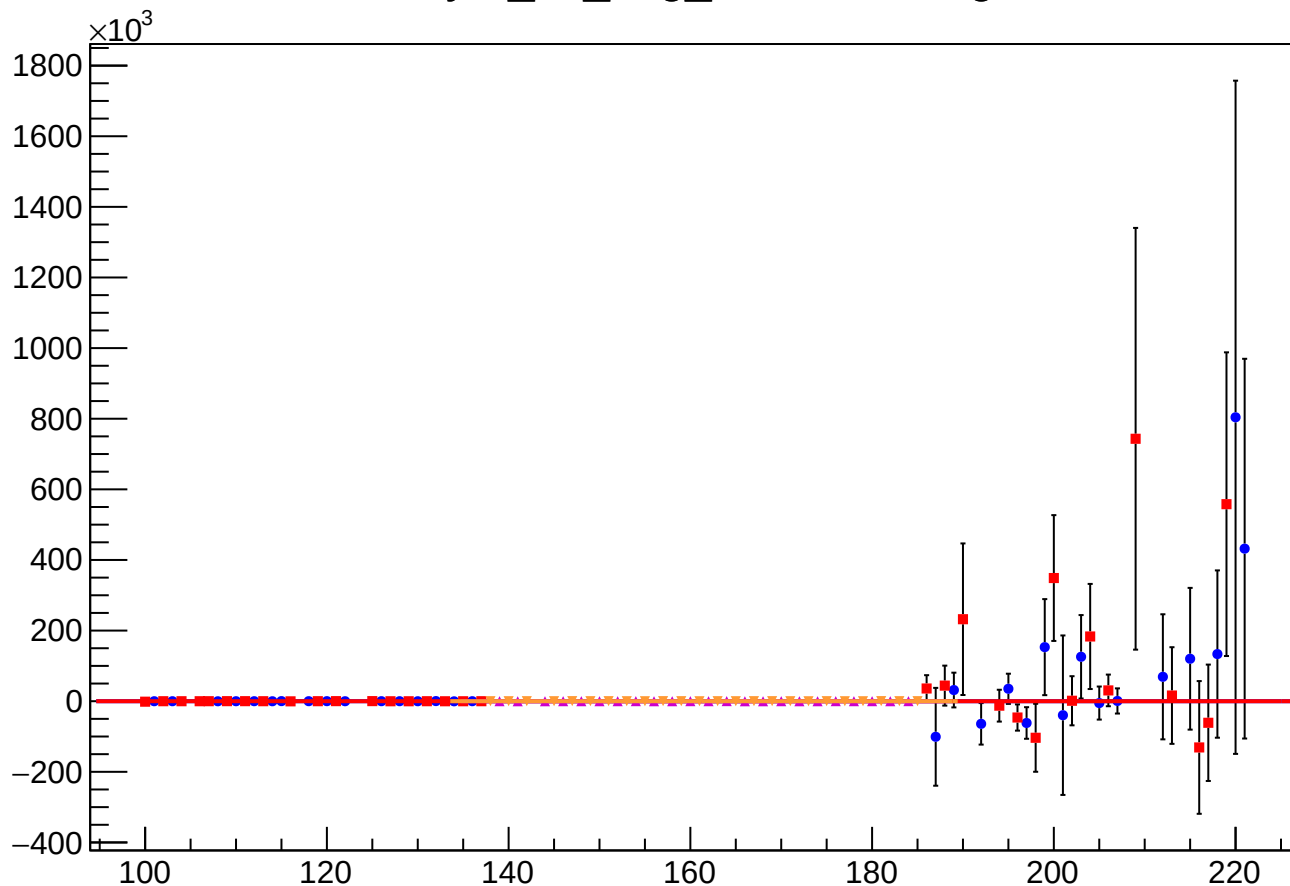
Left In: 1.453+/-0.000 χ^2/NDF :995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 8730897.8/57

All: 1.350+/-0.000 χ^2/NDF : 17417970.1/115

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

asym_ds_avg_mean vs Slug



Right In: -14.485 ± 30.040 χ^2/NDF : 25.6/30

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

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

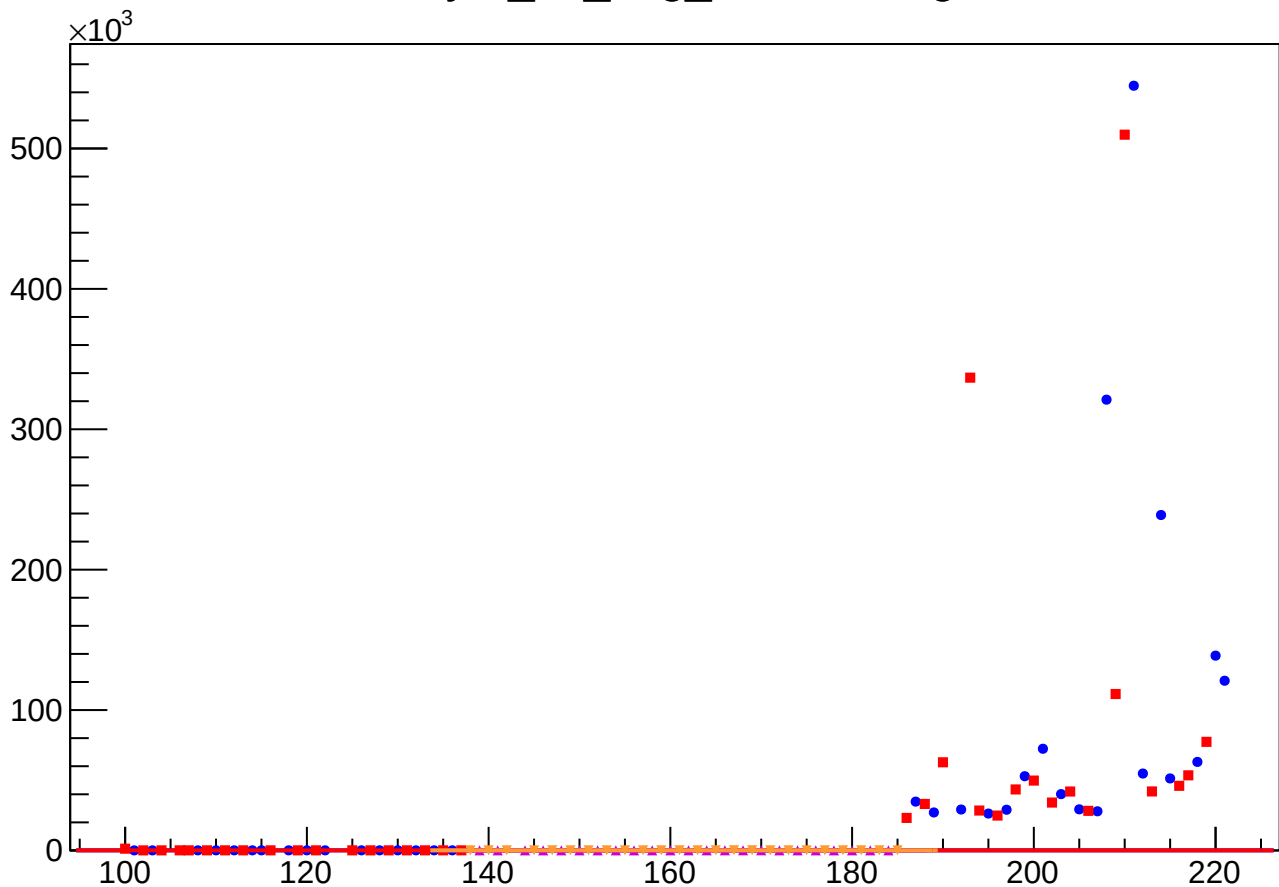
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -2.585 ± 17.470 χ^2/NDF : 47.9/54

All: 0.812 ± 12.407 χ^2/NDF : 104.4/110

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

asym_ds_avg_rms vs Slug



Right In: 76.164 $\pm$ 0.021 χ^2 /NDF: 7121059.9/33

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

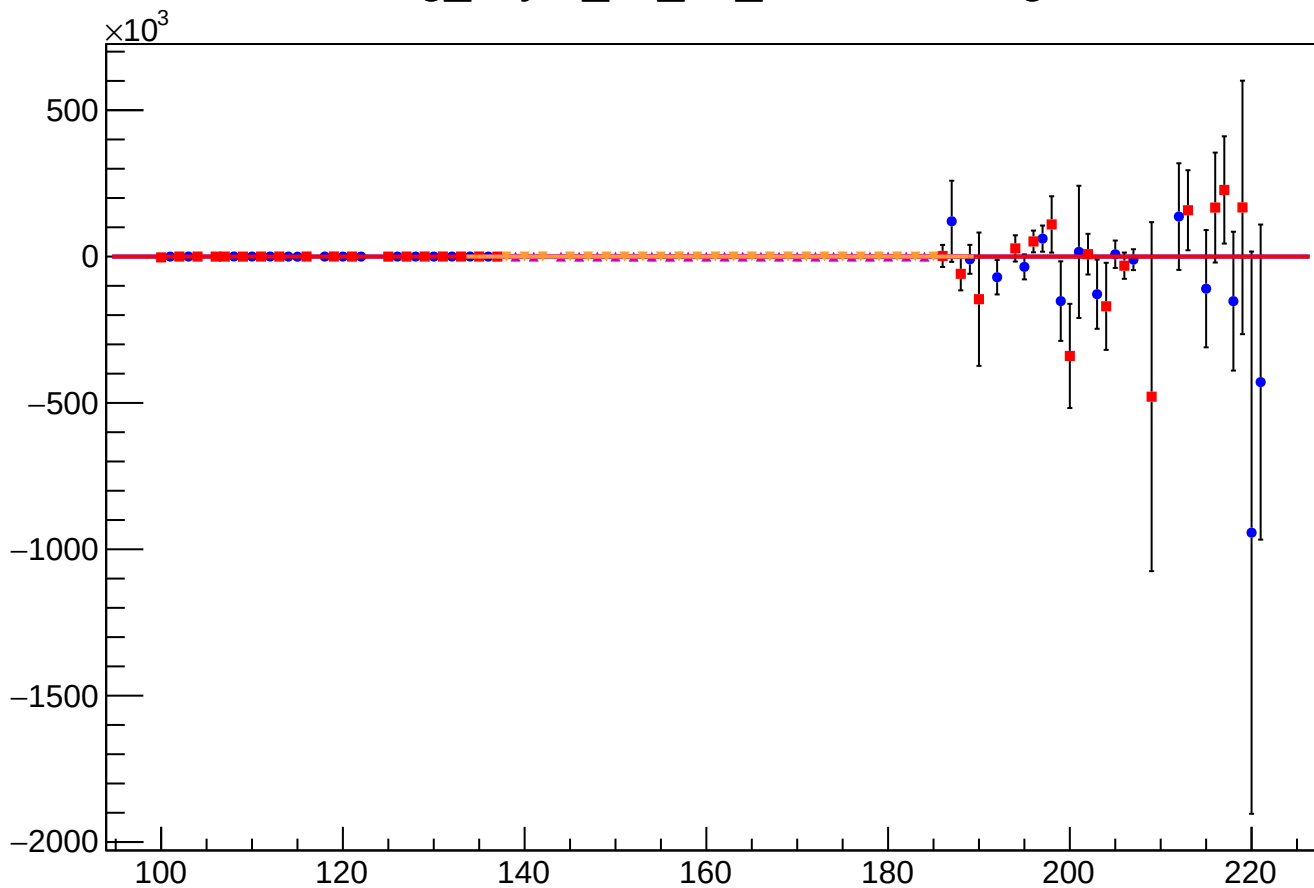
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.135 $\pm$ 0.012 χ^2 /NDF: 7857596.3/57

All: 85.678 $\pm$ 0.009 χ^2 /NDF: 15159017.5/115

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

reg_asym_ds_dd_mean vs Slug



Right In: 8.084 ± 30.012 χ^2/NDF : 24.2/30

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

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

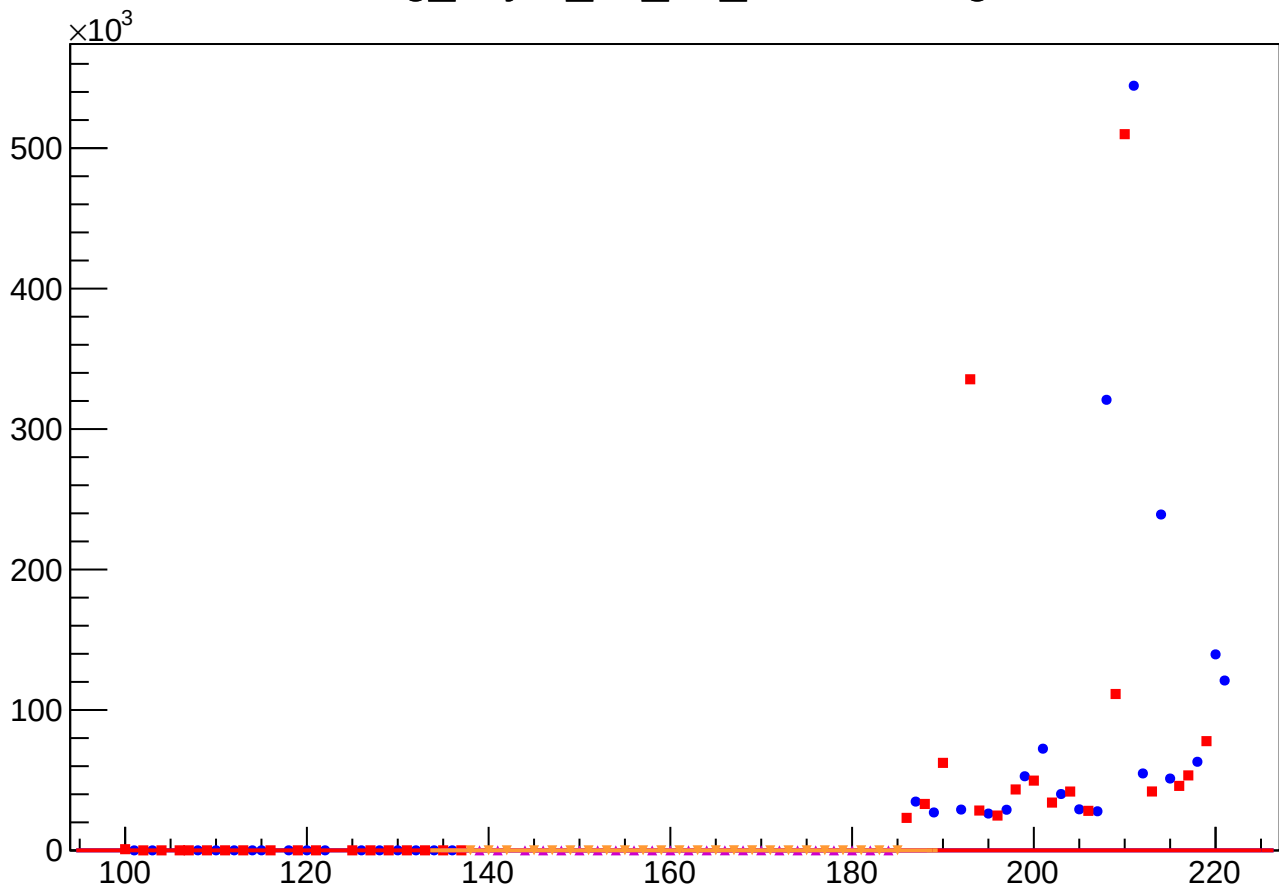
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.840 ± 17.463 χ^2/NDF : 41.4/54

All: -3.575 ± 12.403 χ^2/NDF : 105.9/110

- 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: 7120798.2/33

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

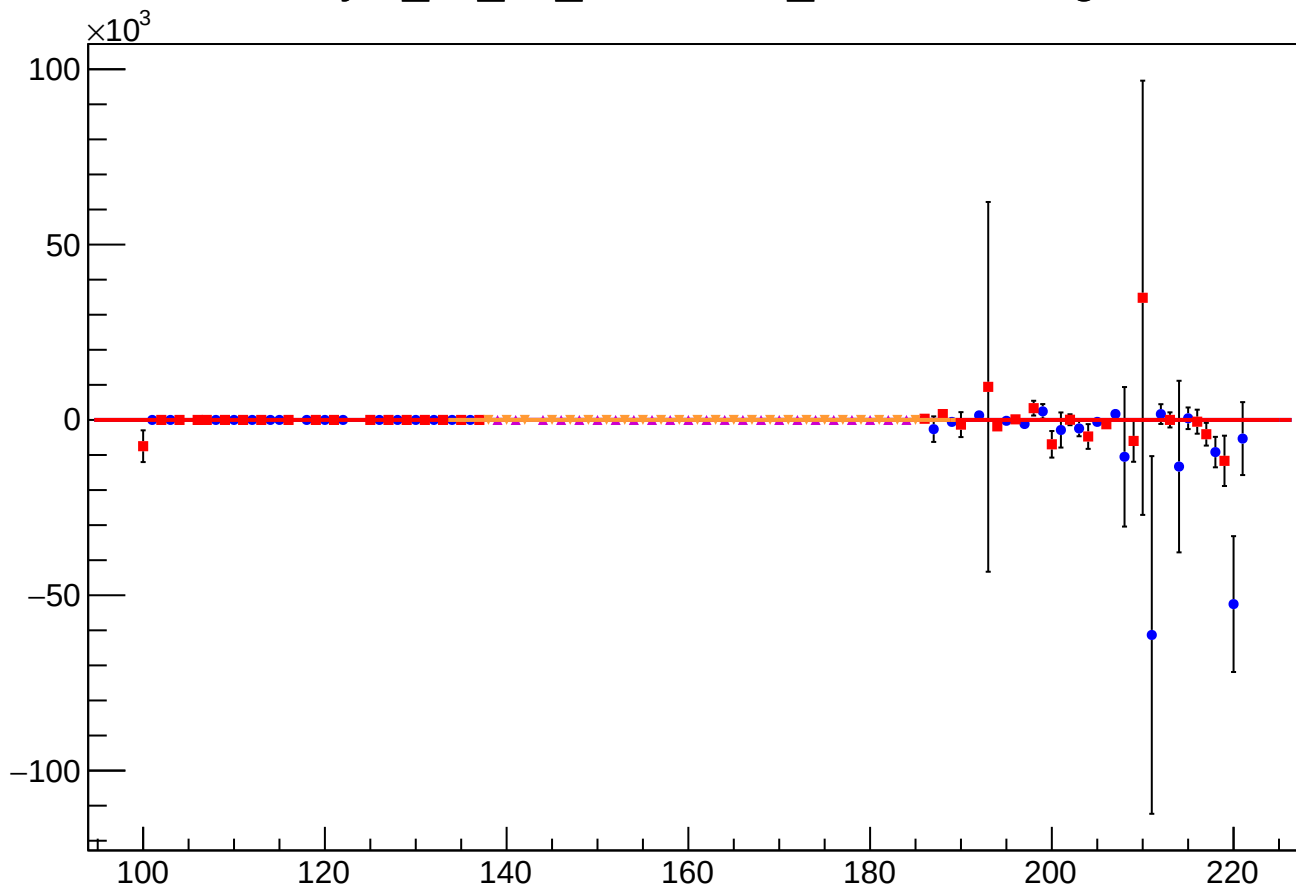
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.102 $\pm$ 0.012 χ^2 /NDF: 7858237.8/57

All: 85.652 $\pm$ 0.009 χ^2 /NDF: 15155989.7/115

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

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 $\pm$ 0.531 χ^2/NDF : 39.9/33

Left Out: -0.516 $\pm$ 0.391 χ^2/NDF : 20.7/23

Right Out: -0.348 $\pm$ 0.549 χ^2/NDF : 36.2/34

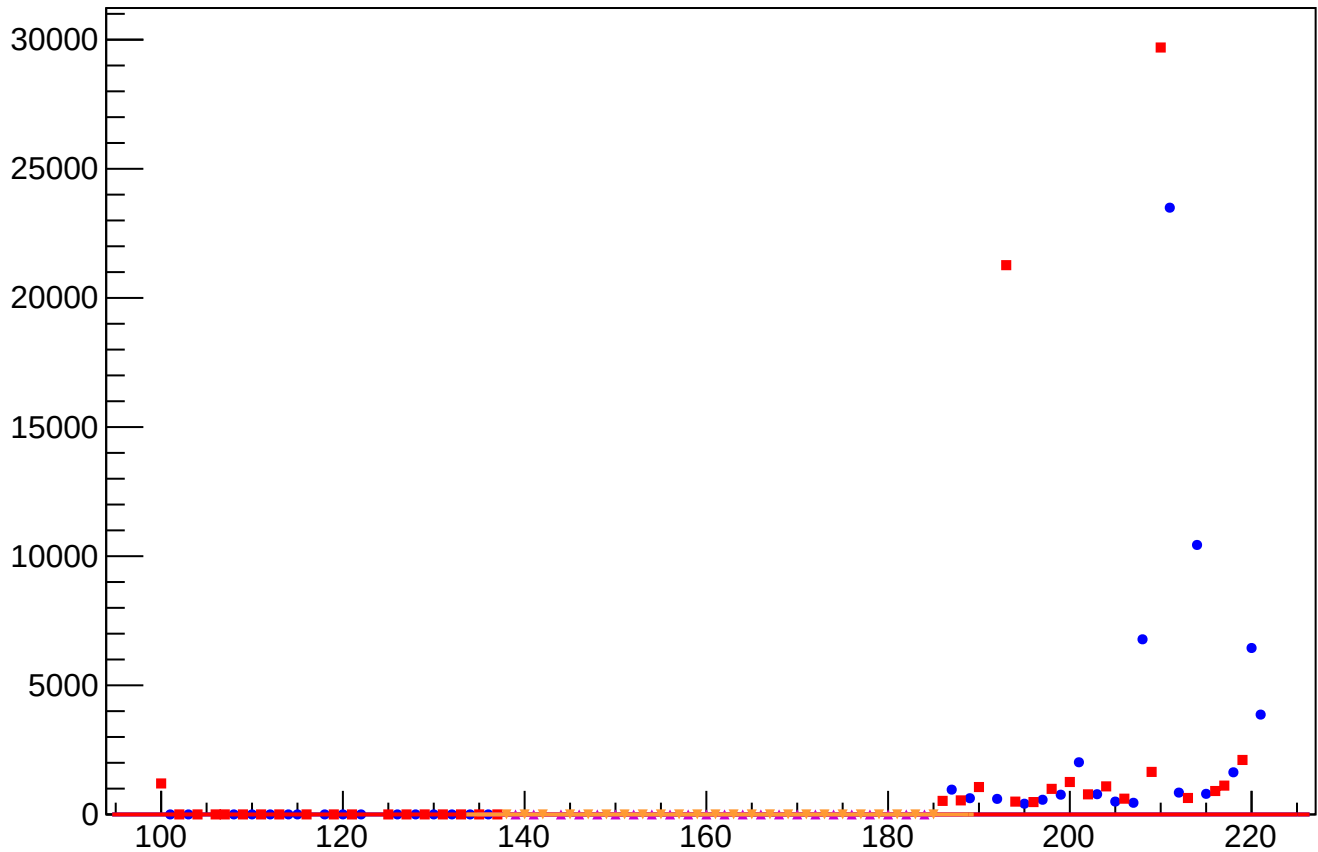
Left In: 0.072 $\pm$ 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 $\pm$ 0.315 χ^2/NDF : 65.2/57

All: -0.045 $\pm$ 0.224 χ^2/NDF : 122.2/115

- sign -0.070 $\pm$ 0.318 χ^2/NDF : 57.0/57

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 7729060.8/33

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

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

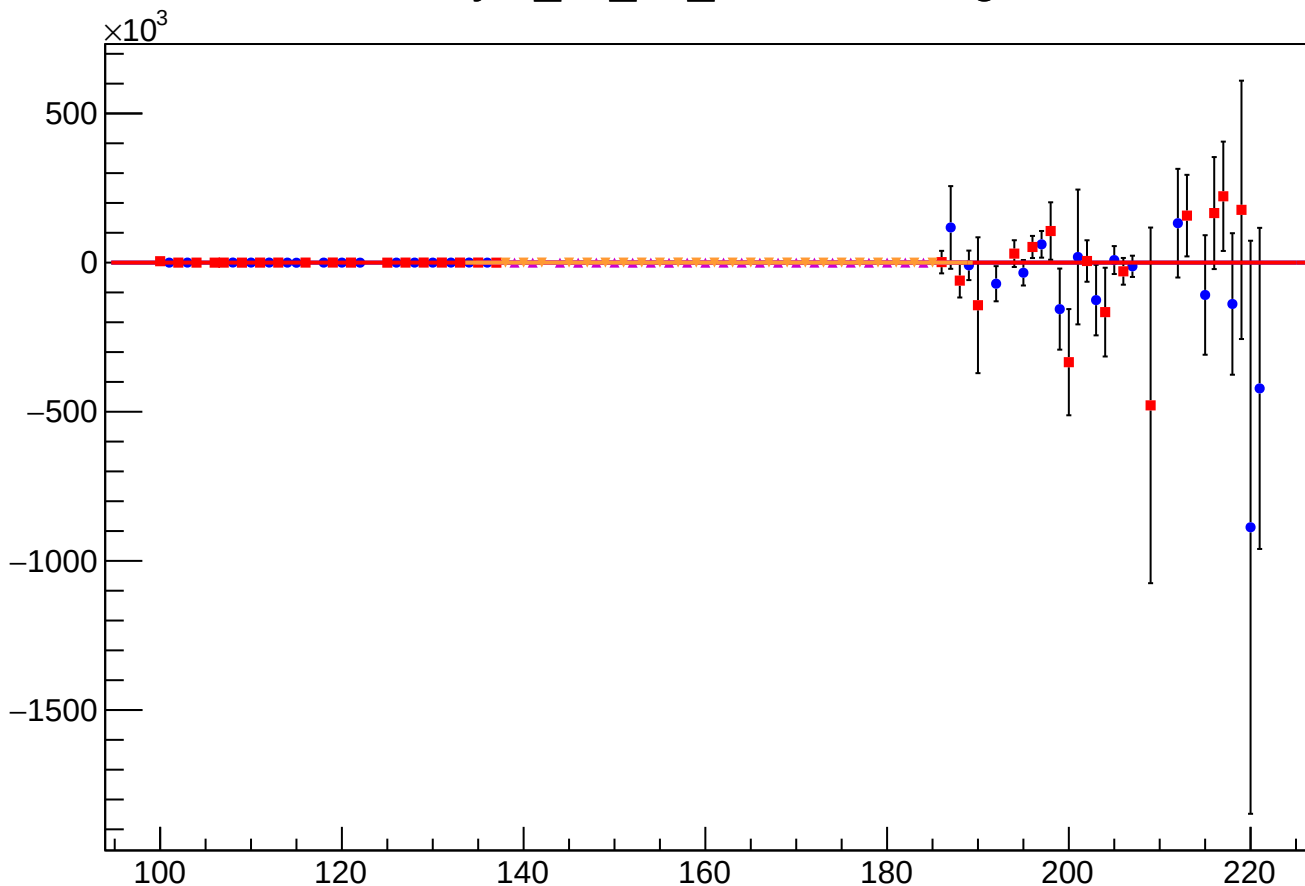
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 9139563.9/57

All: 1.400+/-0.000 χ^2/NDF : 17546228.4/115

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

asym_ds_dd_mean vs Slug



Right In: 7.377 ± 30.020 χ^2/NDF : 23.9/30

Left Out: 15.770 ± 21.479 χ^2/NDF : 17.1/23

Right Out: 26.413 ± 30.482 χ^2/NDF : 27.8/32

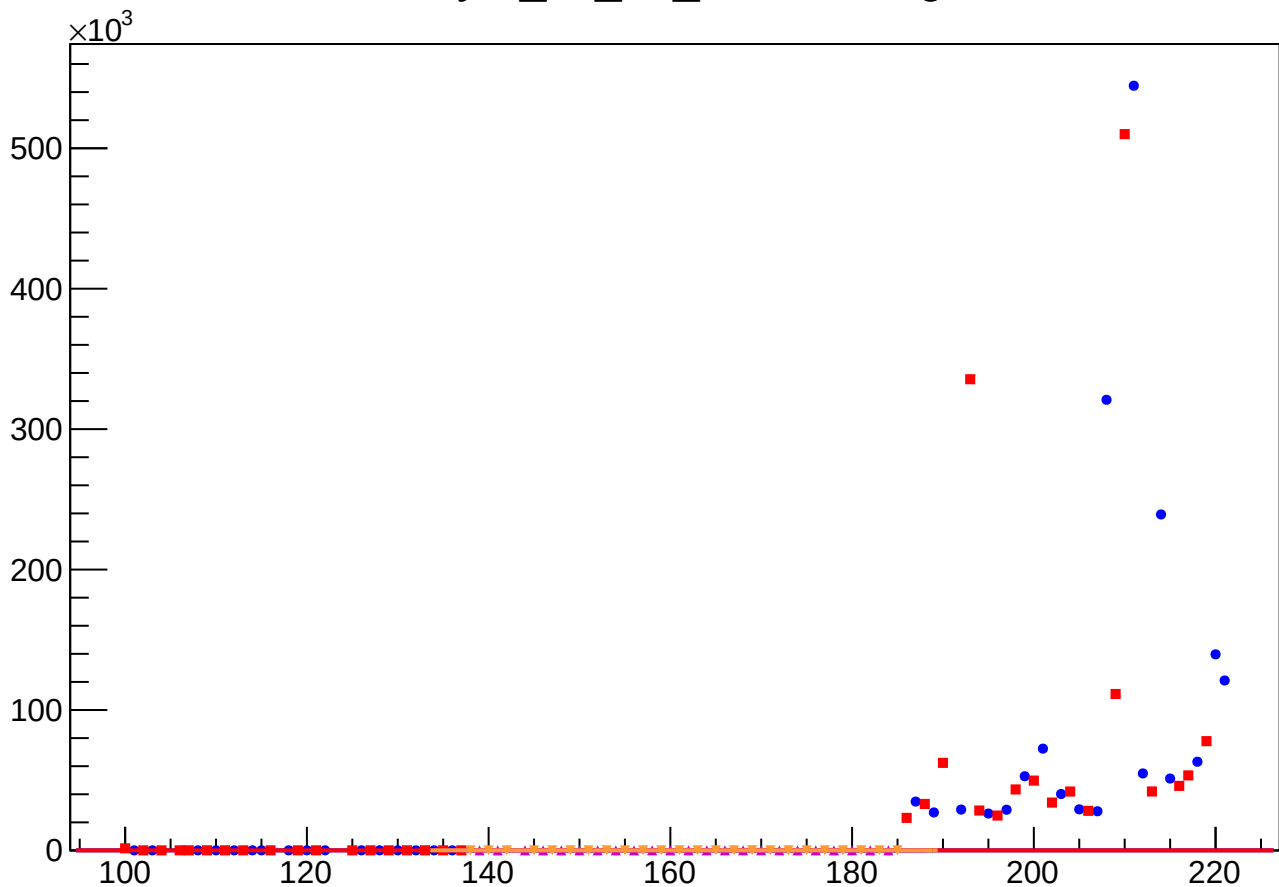
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 12.928 ± 17.468 χ^2/NDF : 41.0/54

All: -3.588 ± 12.407 χ^2/NDF : 105.2/110

- sign -20.399 ± 17.624 χ^2/NDF : 62.4/55

asym_ds_dd_rms vs Slug



Right In: 76.115 $\pm$ 0.021 χ^2 /NDF: 7120992.8/33

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

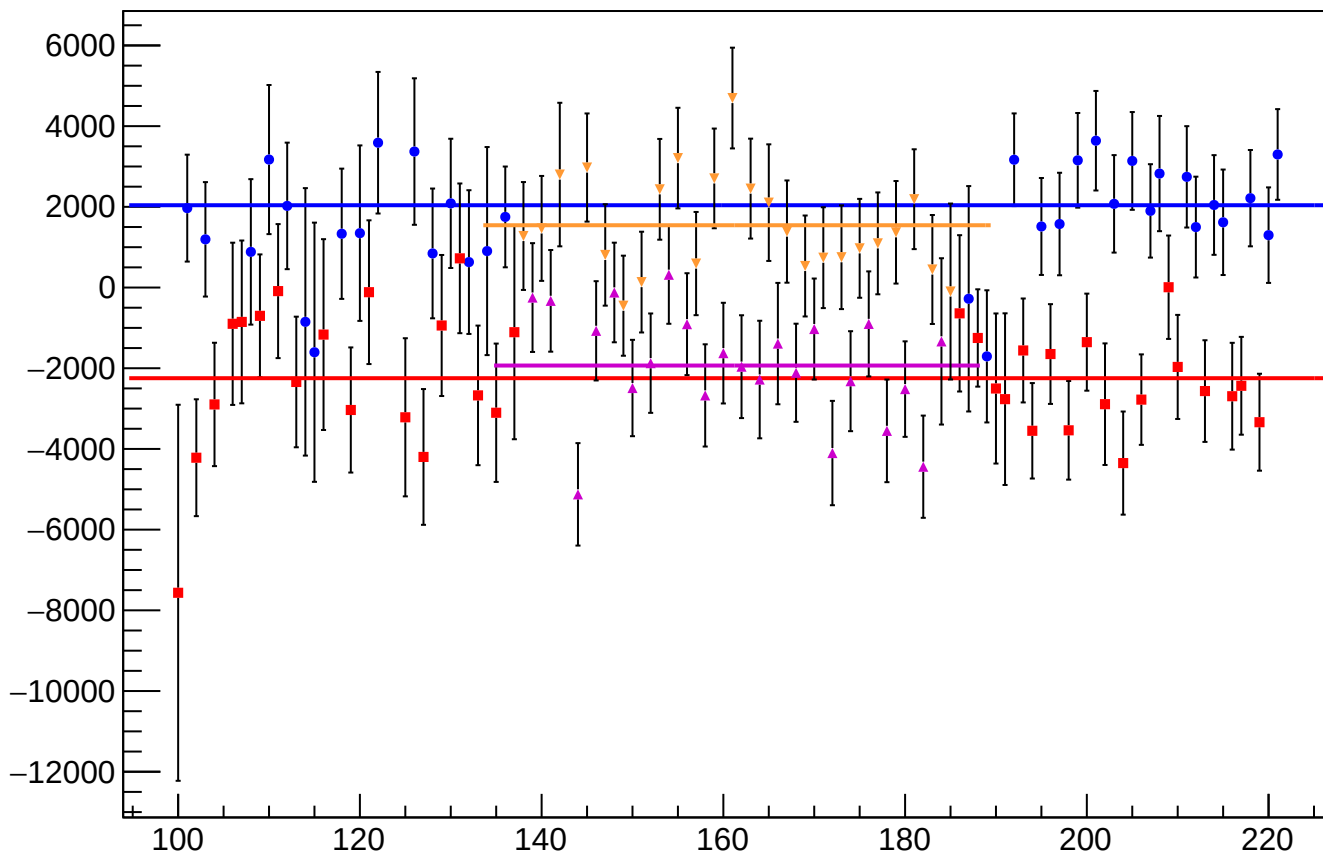
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.127 $\pm$ 0.012 χ^2 /NDF: 7859305.0/57

All: 85.673 $\pm$ 0.009 χ^2 /NDF: 15167910.4/115

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

reg_asym_usl_mean vs Slug



Right In: 2040.058 ± 245.059 $\chi^2/\text{NDF}: 19.4/33$

Left Out: 1544.102 ± 266.270 $\chi^2/\text{NDF}: 20.0/23$

Right Out: -2246.753 ± 249.943 $\chi^2/\text{NDF}: 26.2/35$

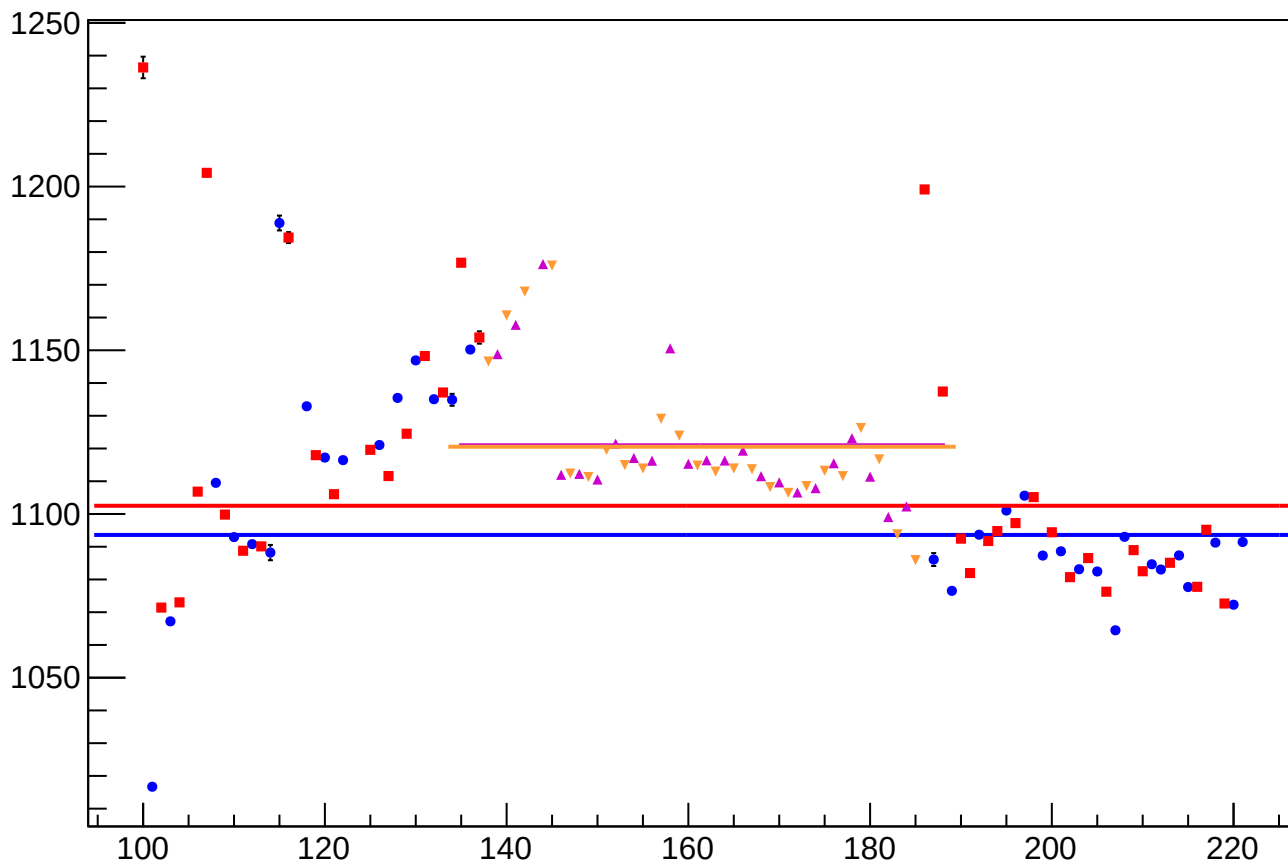
Left In: -1933.000 ± 268.006 $\chi^2/\text{NDF}: 27.0/22$

+ sign 1812.618 ± 180.316 $\chi^2/\text{NDF}: 41.3/57$

All: -117.441 ± 128.368 $\chi^2/\text{NDF}: 327.6/116$

- sign -2100.805 ± 182.789 $\chi^2/\text{NDF}: 54.0/58$

reg_asym_usl_rms vs Slug



Right In: 1093.601 $\pm$ 0.173 χ^2 /NDF: 24276.4/33

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

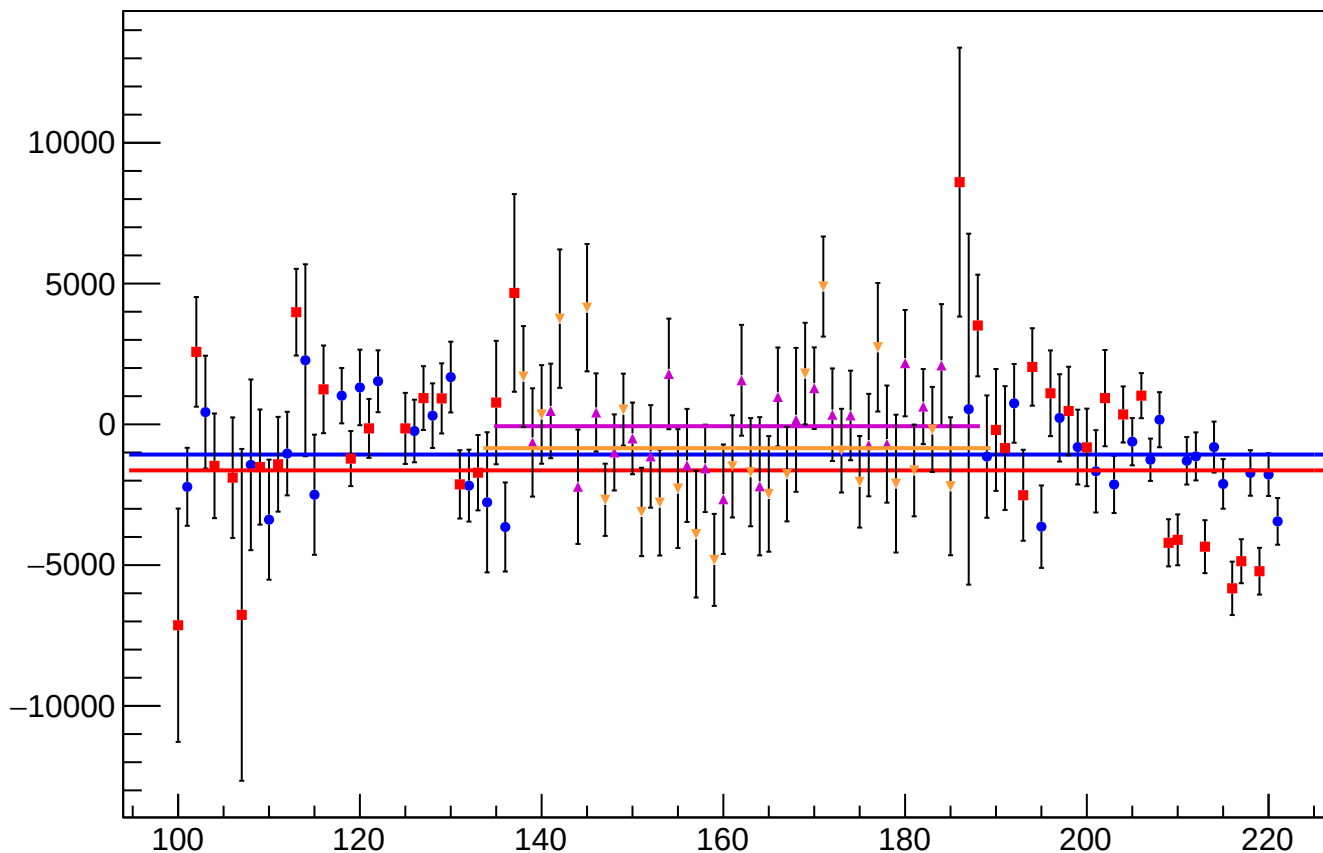
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

+ sign 1105.956 $\pm$ 0.128 χ^2 /NDF: 45615.0/57

All: 1108.497 $\pm$ 0.091 χ^2 /NDF: 91644.0/116

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

asym_usl_correction_mean vs Slug



Right In: -1072.544 ± 197.918 $\chi^2/\text{NDF}: 47.9/33$

Left Out: -845.009 ± 361.141 $\chi^2/\text{NDF}: 43.2/23$

Right Out: -1635.145 ± 214.383 $\chi^2/\text{NDF}: 165.2/35$

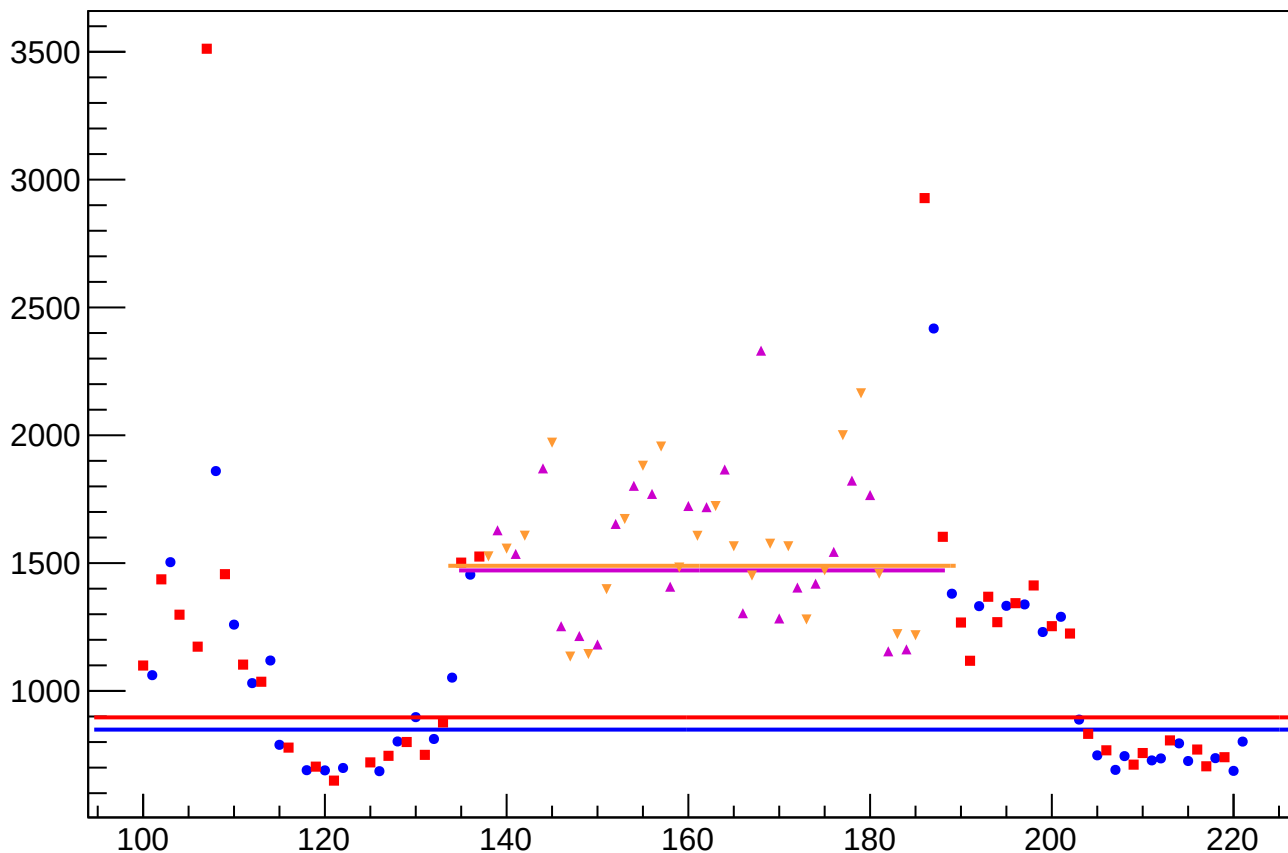
Left In: -65.738 ± 358.785 $\chi^2/\text{NDF}: 12.1/22$

+ sign -1019.990 ± 173.562 $\chi^2/\text{NDF}: 91.4/57$

All: -1115.196 ± 126.266 $\chi^2/\text{NDF}: 283.5/116$

- sign -1222.236 ± 184.032 $\chi^2/\text{NDF}: 191.4/58$

asym_usl_correction_rms vs Slug



Right In: 848.701 ± 0.140 χ^2/NDF : 2725971.0/33

Left Out: 1489.507 ± 0.255 χ^2/NDF : 1009228.3/23

Right Out: 896.567 ± 0.152 χ^2/NDF : 3517888.3/35

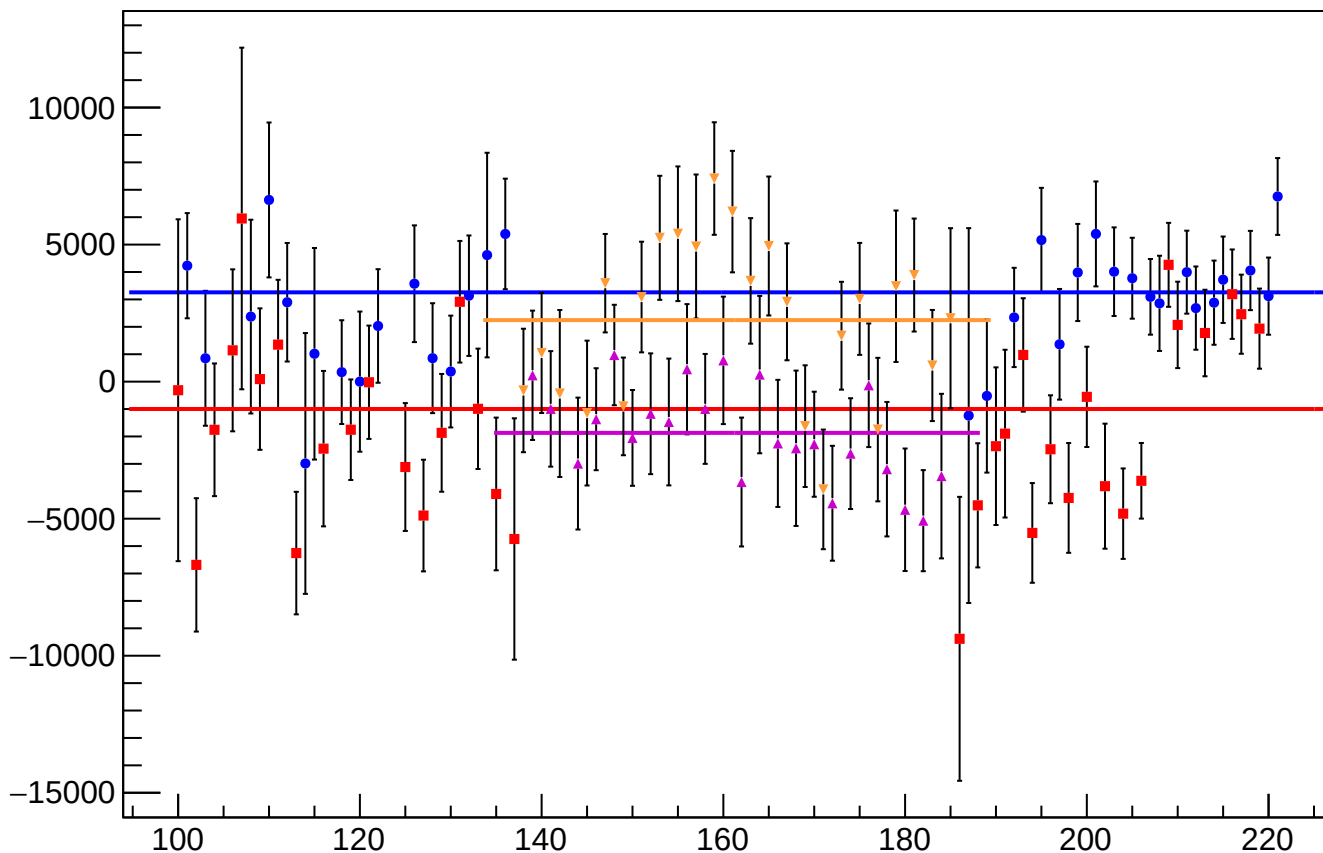
Left In: 1471.394 ± 0.254 χ^2/NDF : 1105310.5/22

+ sign 996.709 ± 0.123 χ^2/NDF : 8577727.2/57

All: 1020.762 ± 0.089 χ^2/NDF : 17065574.8/100

- sign 1047.804 ± 0.130 χ^2/NDF : 8406253.7/58

asym_usl_mean vs Slug



Right In: 3258.072 $\pm$ 327.589 χ^2 /NDF: 27.1/33

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

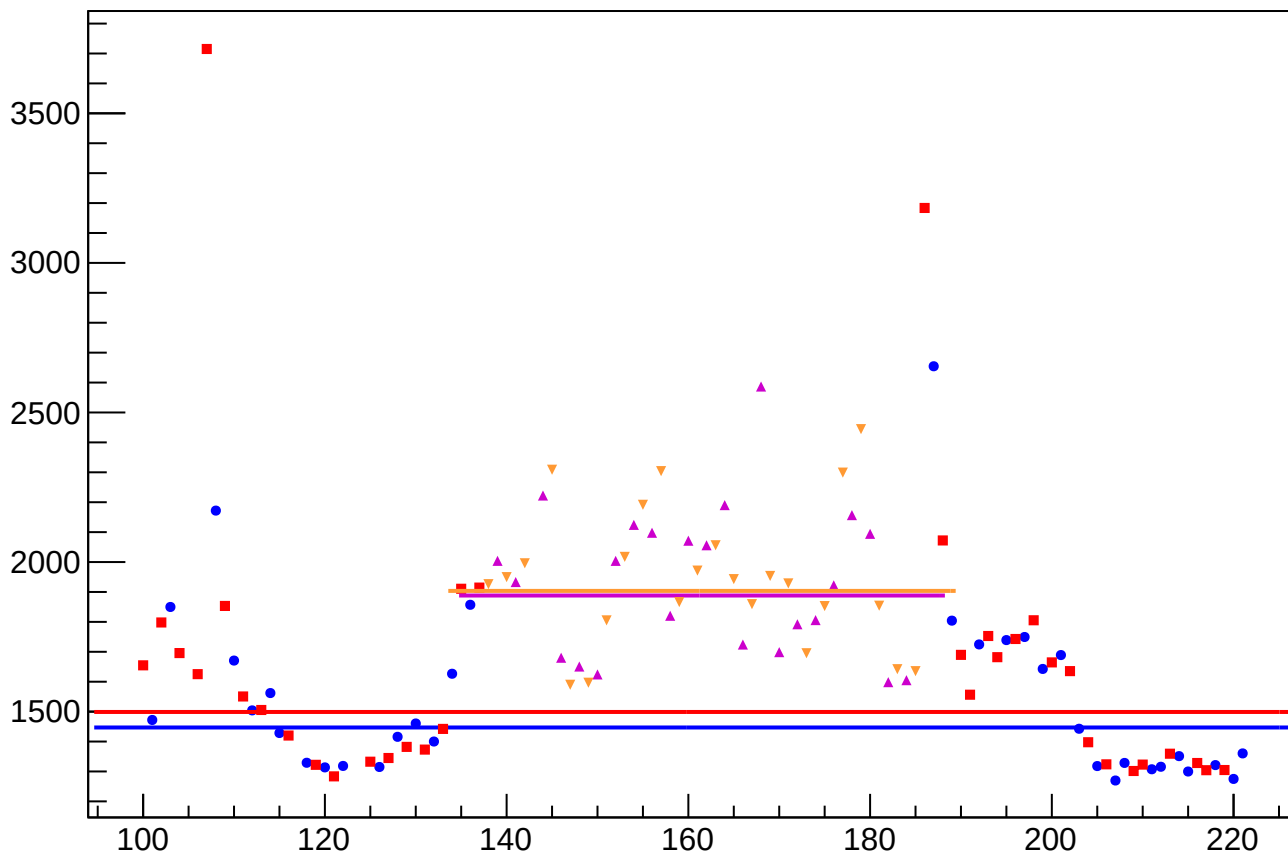
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2913.486 $\pm$ 266.146 χ^2 /NDF: 68.9/57

All: 870.766 $\pm$ 191.387 χ^2 /NDF: 294.1/116

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

asym_usl_rms vs Slug



Right In: 1446.981 $\pm$ 0.232 χ^2 /NDF: 728198.3/33

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

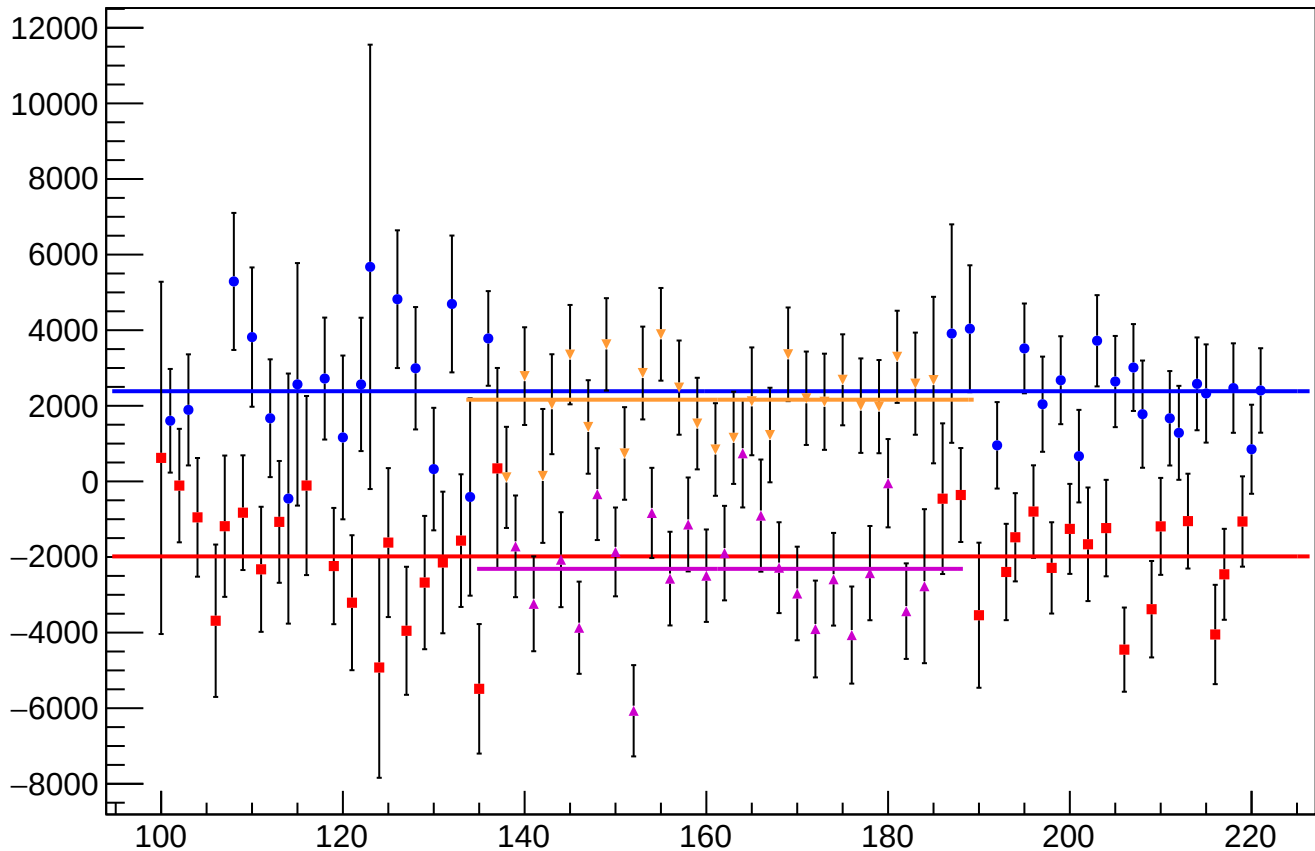
Left In: 1888.121 $\pm$ 0.322 χ^2 /NDF: 504568.6/22

+ sign 1602.199 $\pm$ 0.188 χ^2 /NDF: 2510822.0/57

All: 1621.035 $\pm$ 0.135 χ^2 /NDF: 5148988.5/11

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

reg_asym_usr_mean vs Slug



Right In: 2385.700+/-244.802 χ^2/NDF : 23.2/34

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

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

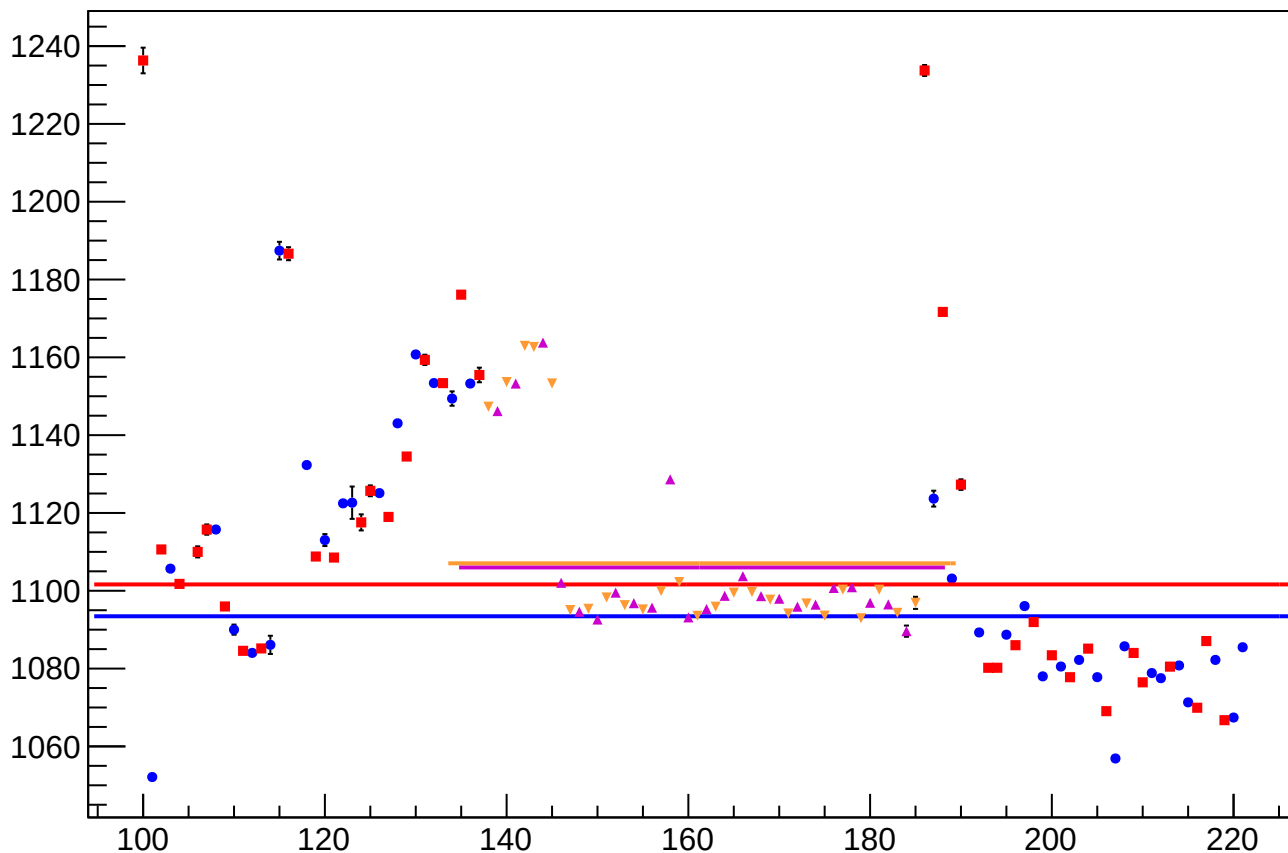
Left In: -2313.505+/-264.429 χ^2/NDF :31.3/22

+ sign 2279.237+/-177.426 χ^2/NDF : 38.7/59

All: 124.115+/-126.996 χ^2/NDF : 401.4/118

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

reg_asym_usr_rms vs Slug



Right In: 1093.445 $\pm$ 0.173 χ^2 /NDF: 25756.9/34

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

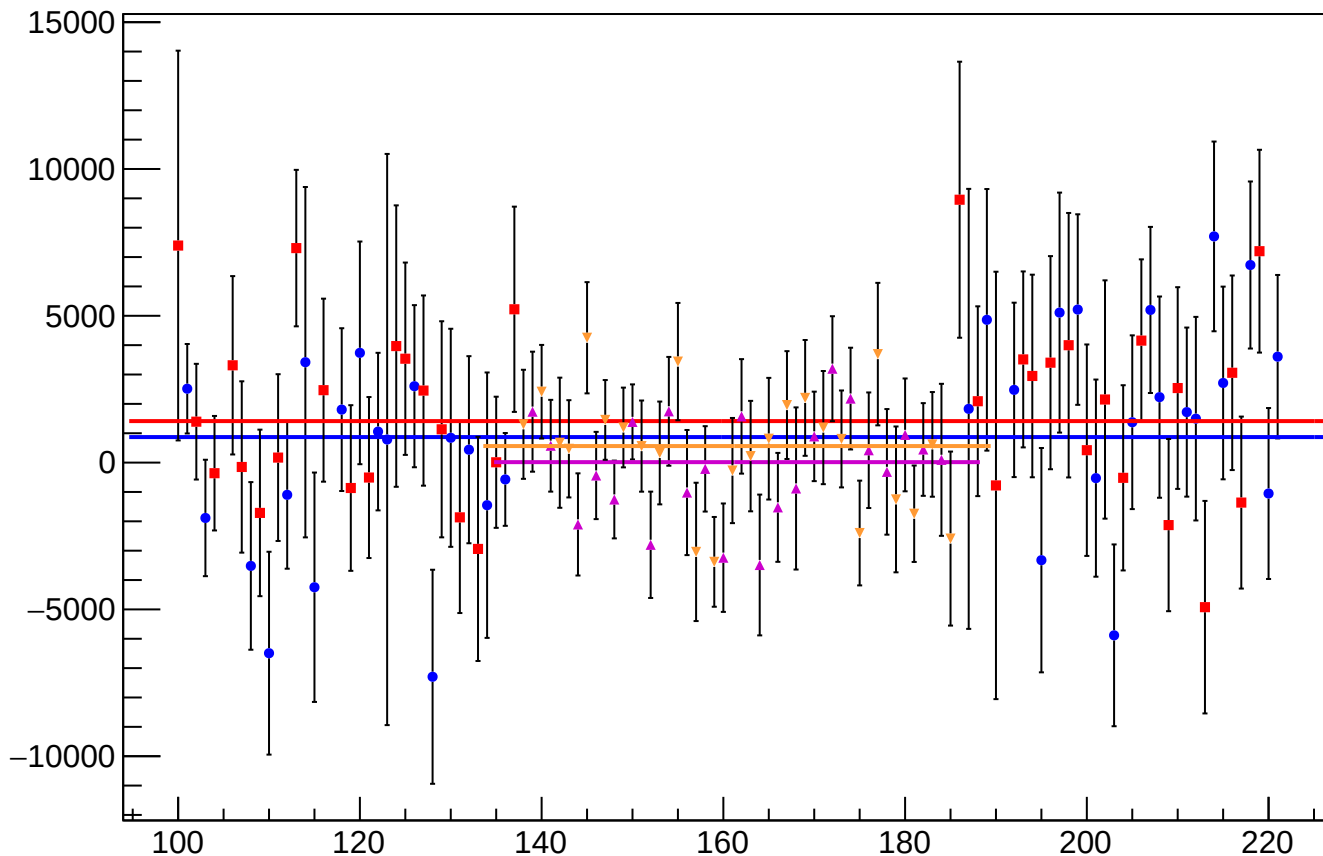
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1099.906 $\pm$ 0.125 χ^2 /NDF: 43867.9/59

All: 1101.753 $\pm$ 0.090 χ^2 /NDF: 95730.4/118

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

asym_usr_correction_mean vs Slug



Right In: 869.327 ± 499.707 χ^2/NDF : 42.9/34

Left Out: 563.282 ± 360.901 χ^2/NDF : 26.8/24

Right Out: 1413.442 ± 520.634 χ^2/NDF : 28.7/35

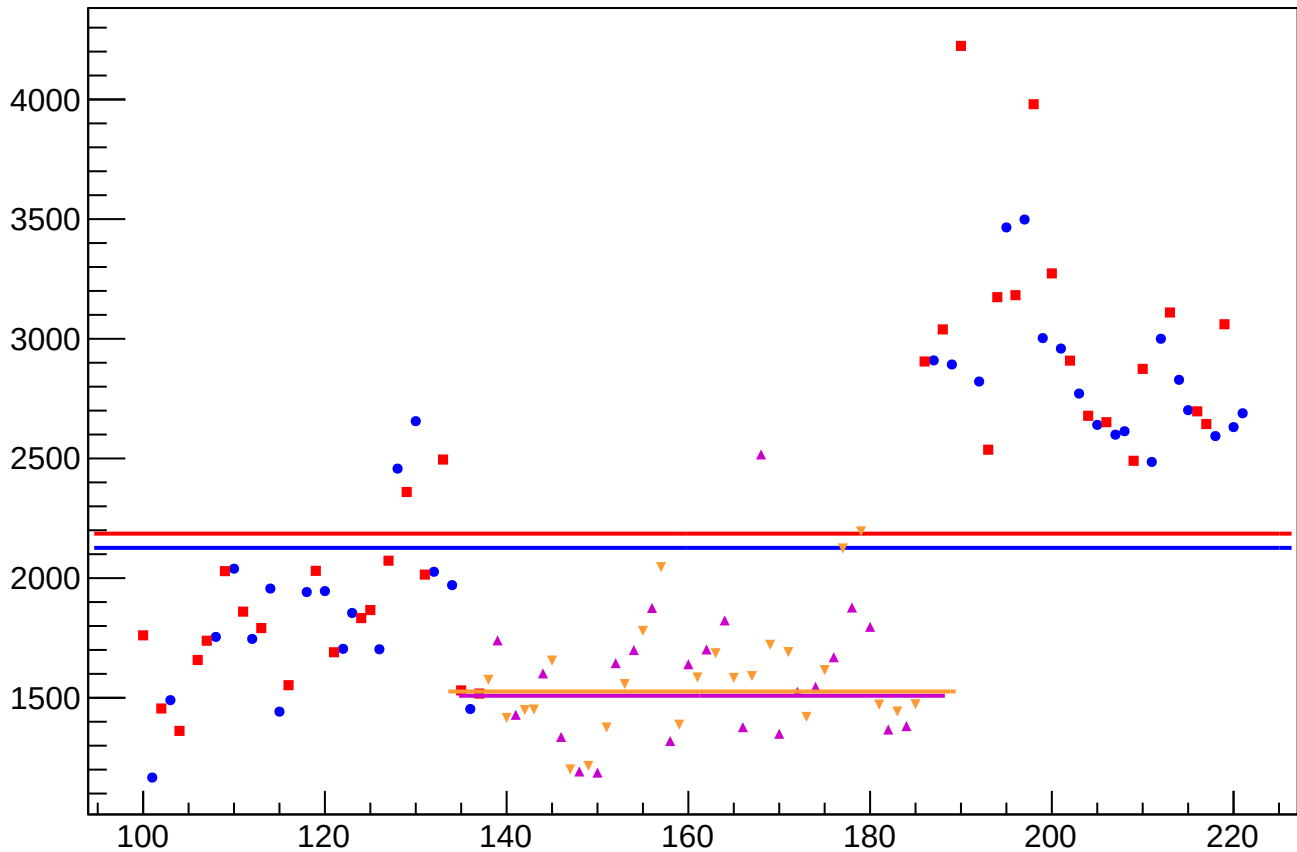
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 668.195 ± 292.575 χ^2/NDF : 69.9/59

All: 576.086 ± 209.418 χ^2/NDF : 123.8/118

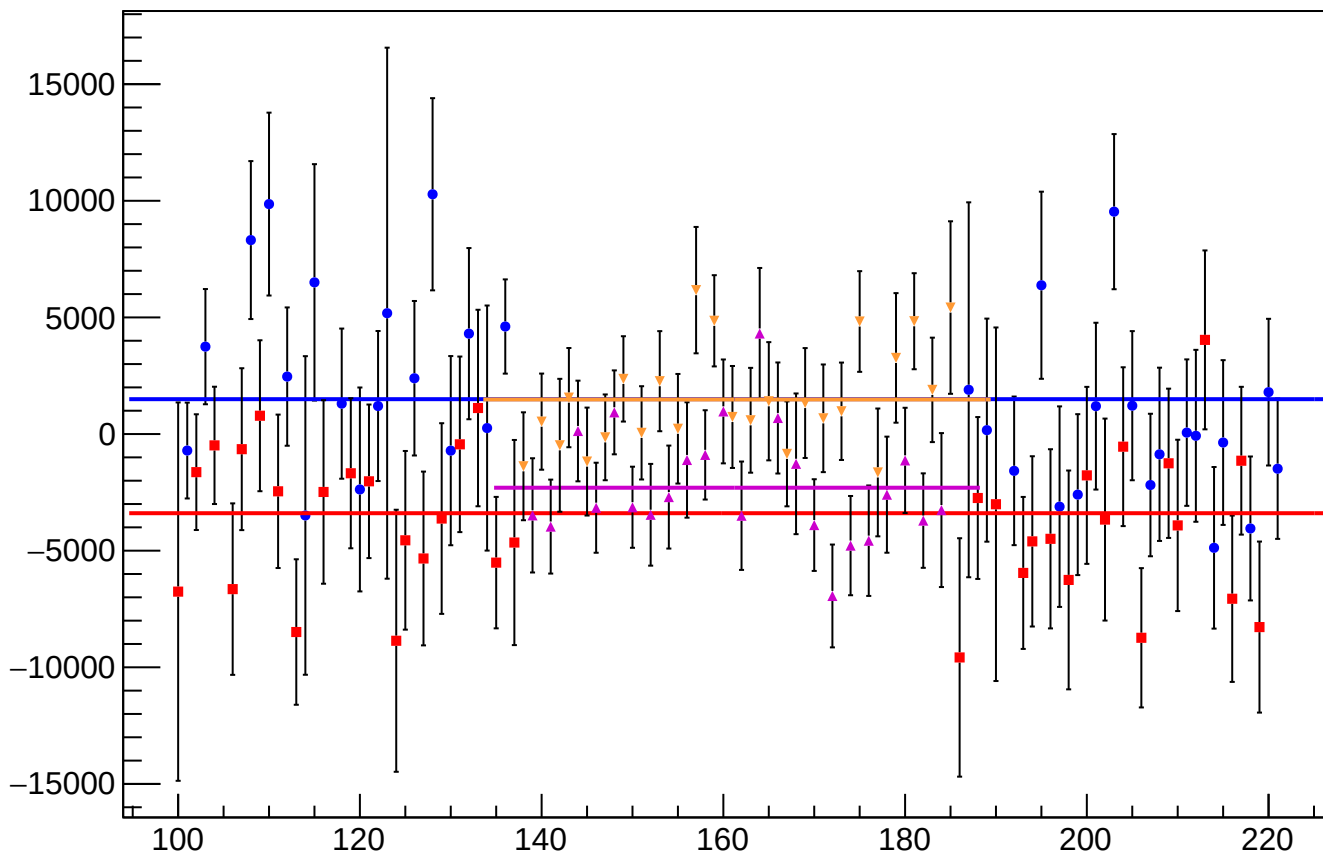
- sign 479.317 ± 299.885 χ^2/NDF : 53.6/58

asym_usr_correction_rms vs Slug



Right In: 2126.498+/-0.353	χ^2/NDF : 3363032.6/34	+ sign 1732.109+/-0.207	χ^2/NDF : 6012372.1/59
Left Out: 1526.391+/-0.255	χ^2/NDF : 753714.4/24		
Right Out: 2185.928+/-0.368	χ^2/NDF : 3089564.0/35	All: 1732.694+/-0.148	χ^2/NDF : 12295723.8/1
Left In: 1508.581+/-0.259	χ^2/NDF : 931684.8/22	- sign 1733.308+/-0.212	χ^2/NDF : 6283335.3/58

asym_usr_mean vs Slug



Right In: 1495.104 $\pm$ 576.730 χ^2 /NDF: 42.1/34

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

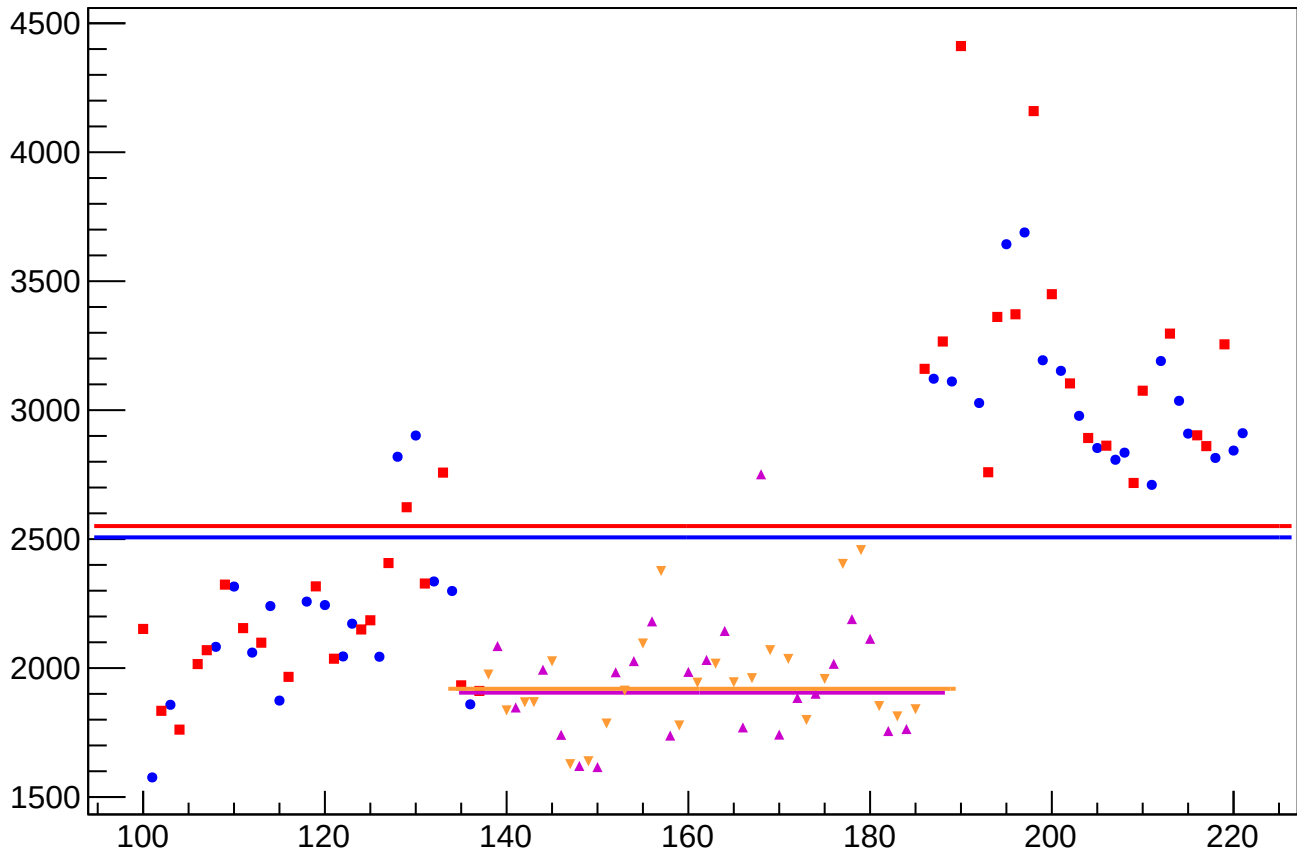
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

+ sign 1487.186 $\pm$ 354.773 χ^2 /NDF: 63.0/59

All: -557.208 $\pm$ 254.005 χ^2 /NDF: 184.5/118

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

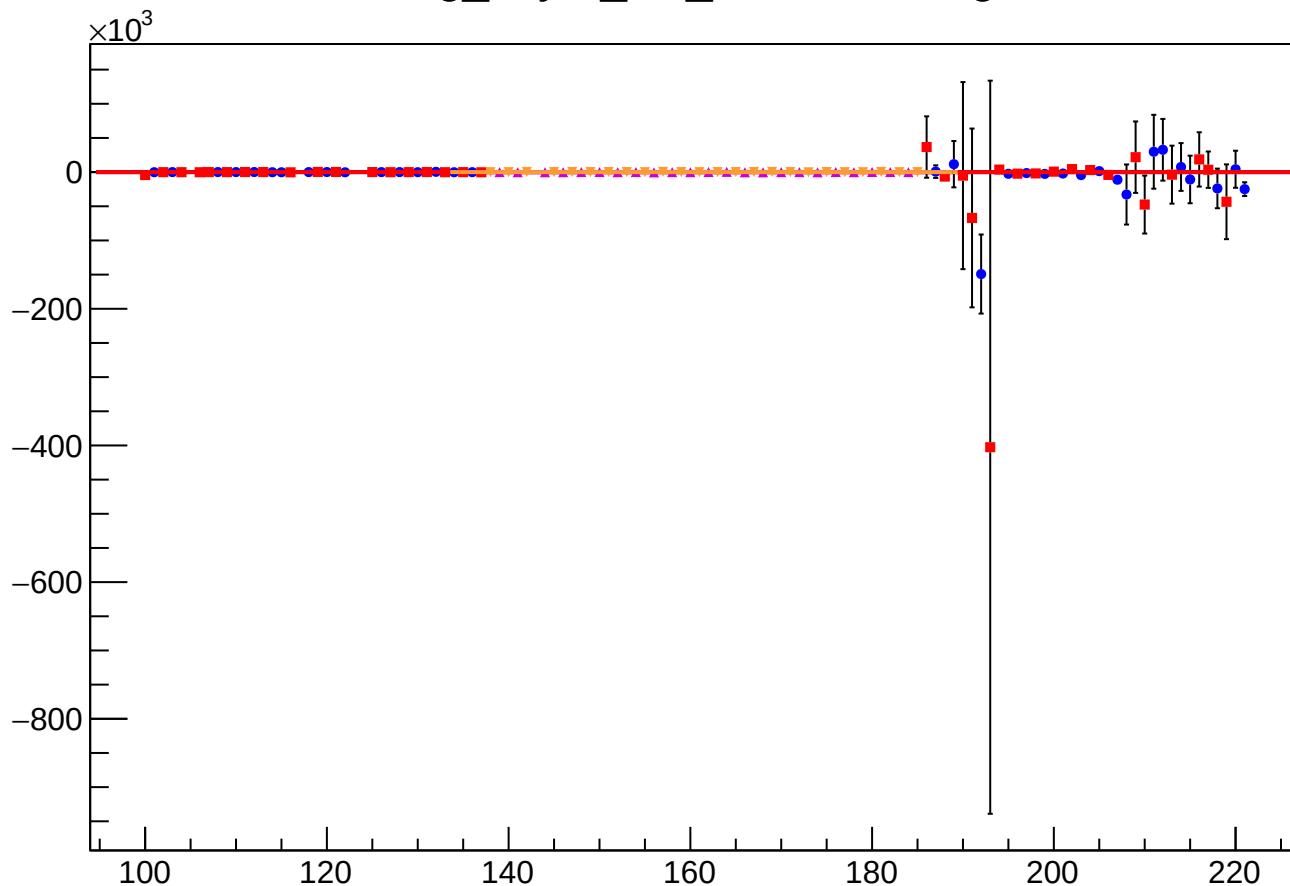
asym_usr_rms vs Slug



Right In: 2506.765 ± 0.408 χ^2/NDF : 1889748.4/34
 Left Out: 1919.732 ± 0.318 χ^2/NDF : 366218.1/24
 Right Out: 2550.559 ± 0.422 χ^2/NDF : 1905064.0/35
 Left In: 1904.629 ± 0.325 χ^2/NDF : 447350.7/22

+ sign 2141.867 ± 0.251 χ^2/NDF : 3543972.4/59
 All: 2143.287 ± 0.180 χ^2/NDF : 7368771.8/11
 - sign 2144.781 ± 0.257 χ^2/NDF : 3824733.6/58

reg_asym_dsl_mean vs Slug



Right In: -2.708 ± 36.762 χ^2/NDF : 39.8/33

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

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

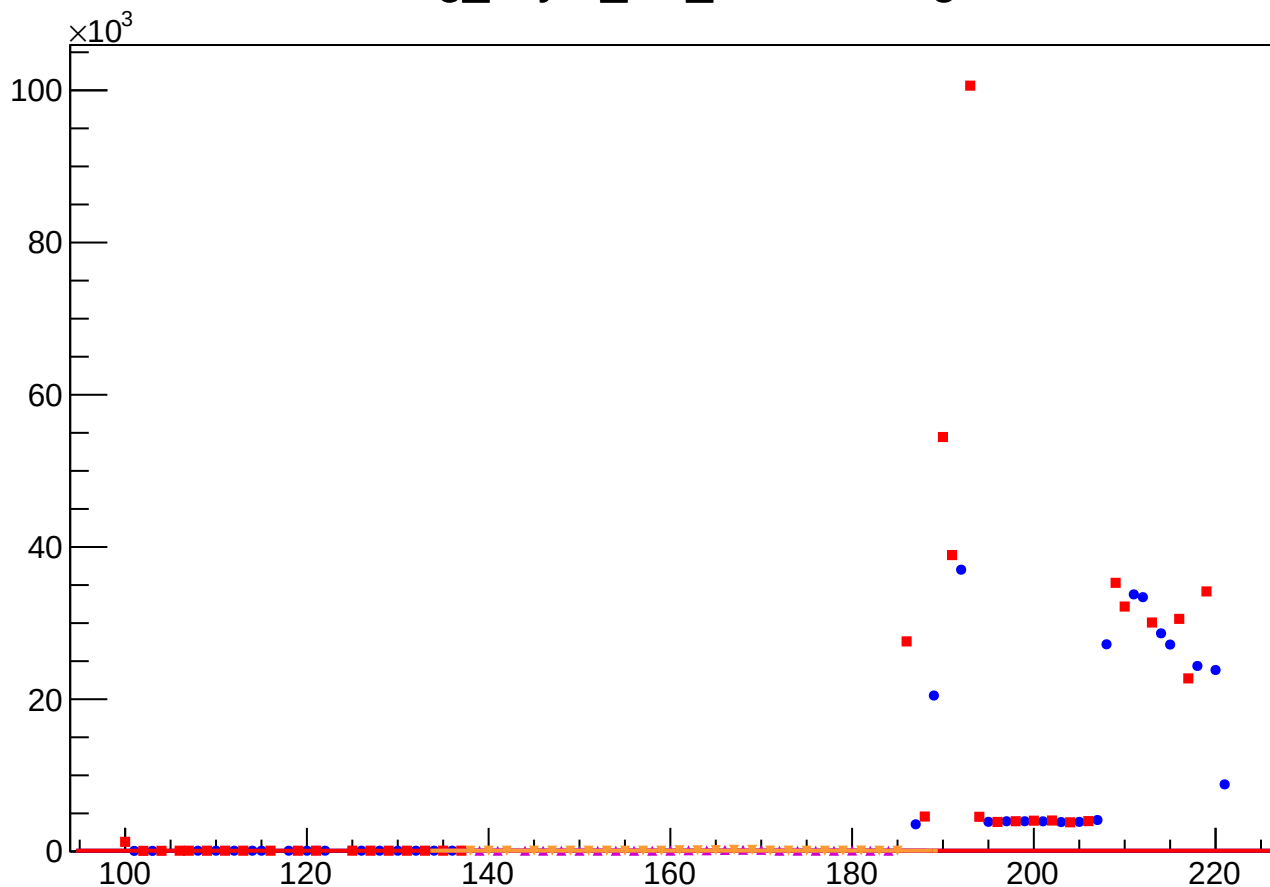
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.203 ± 21.368 χ^2/NDF : 75.8/57

All: -4.876 ± 15.124 χ^2/NDF : 134.9/116

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

reg_asym_dsl_rms vs Slug



Right In: 96.353 $\pm$ 0.026 χ^2 /NDF: 22441467.9/33

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

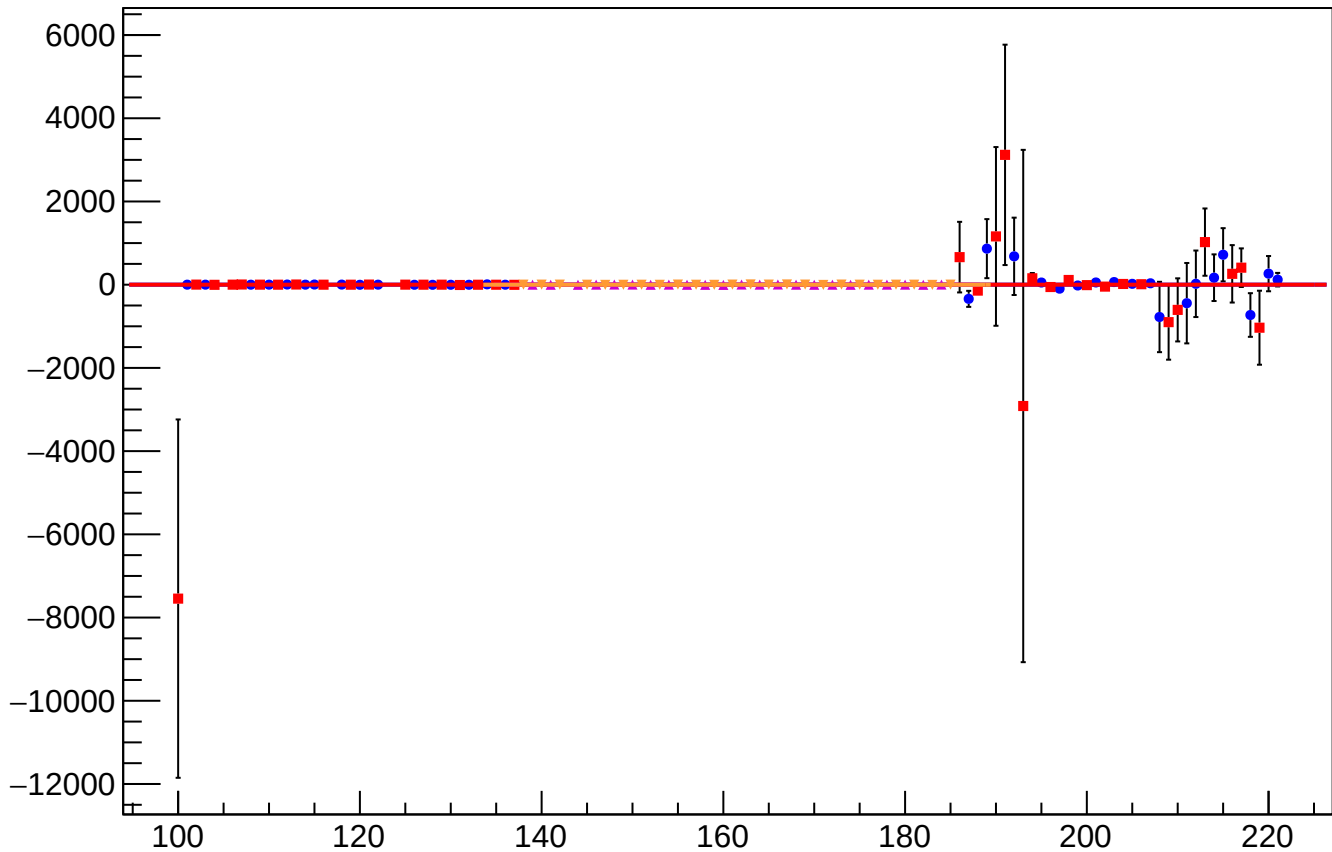
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 104.104 $\pm$ 0.015 χ^2 /NDF: 24010741.5/57

All: 104.310 $\pm$ 0.011 χ^2 /NDF: 44556723.3/11

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

asym_dsl_correction_mean vs Slug



Right In: 0.399 $\pm$ 0.617 χ^2 /NDF: 24.7/33

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

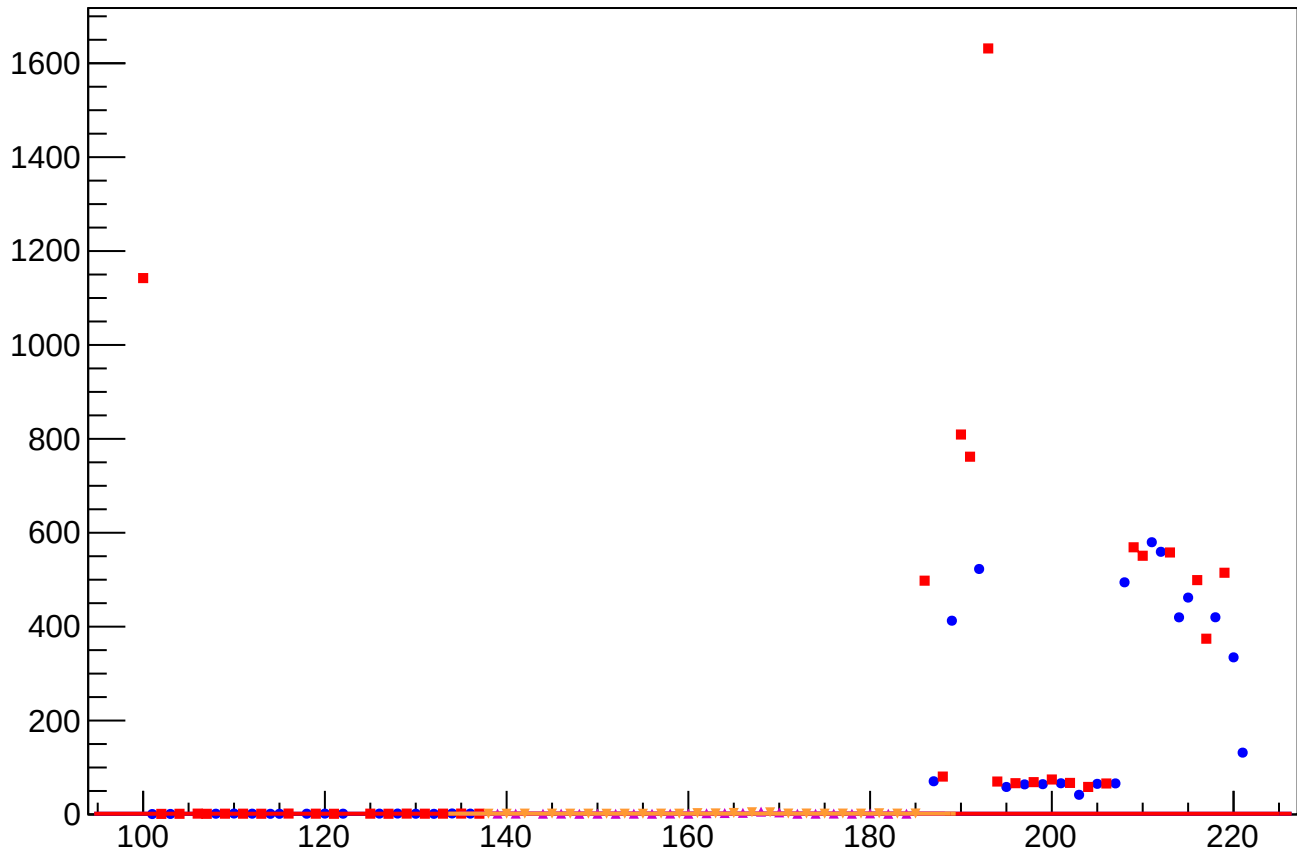
Left In: 0.067 $\pm$ 0.485 χ^2 /NDF:25.0/22

+ sign -0.187 $\pm$ 0.376 χ^2 /NDF: 56.7/57

All: -0.014 $\pm$ 0.270 χ^2 /NDF: 117.4/116

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

asym_dsl_correction_rms vs Slug



Right In: 1.455+/-0.000 χ^2/NDF : 19399321.0/33

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

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

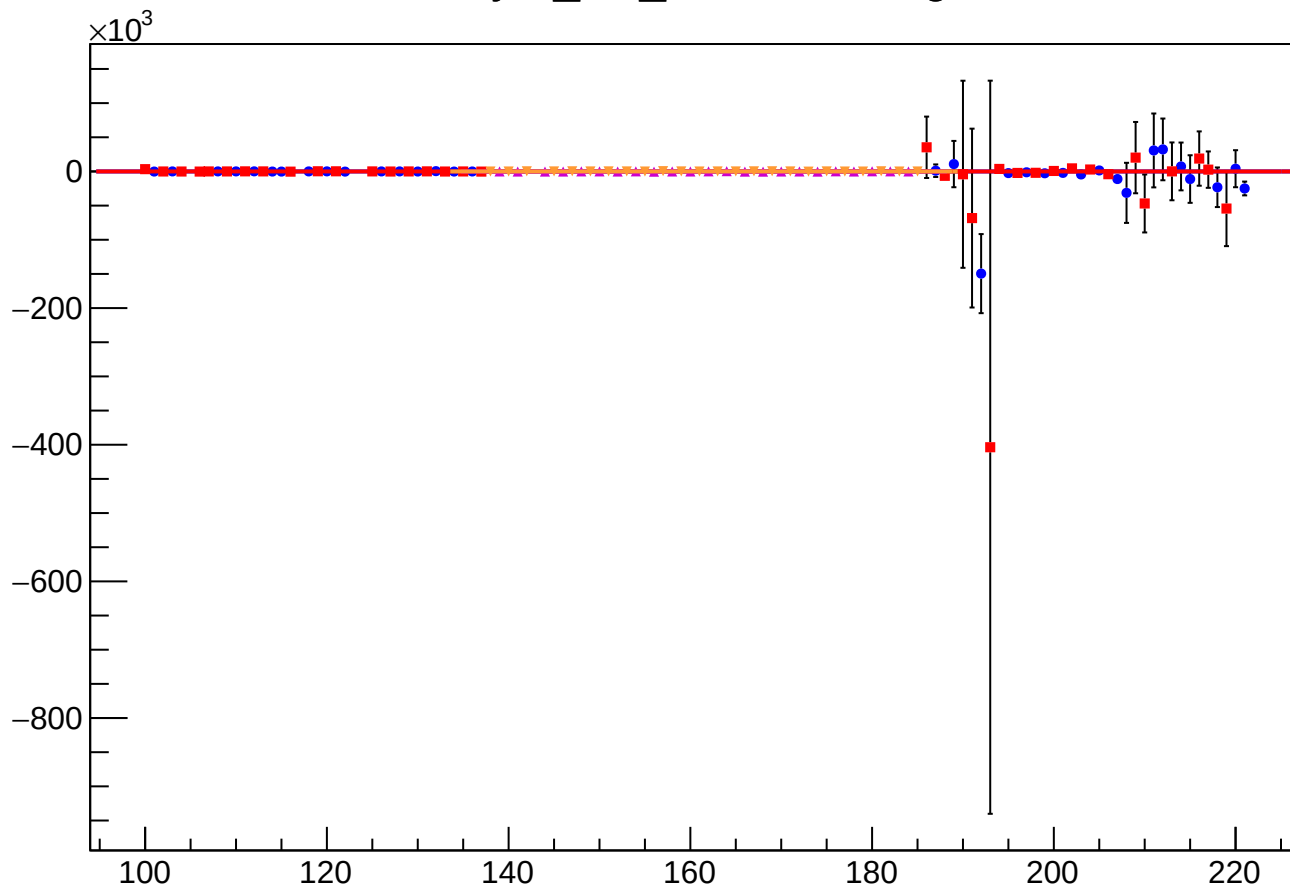
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.653+/-0.000 χ^2/NDF : 21329932.9/57

All: 1.688+/-0.000 χ^2/NDF : 40157844.2/116

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

asym_dsl_mean vs Slug



Right In: -2.421 ± 36.771 χ^2/NDF : 40.0/33

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

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

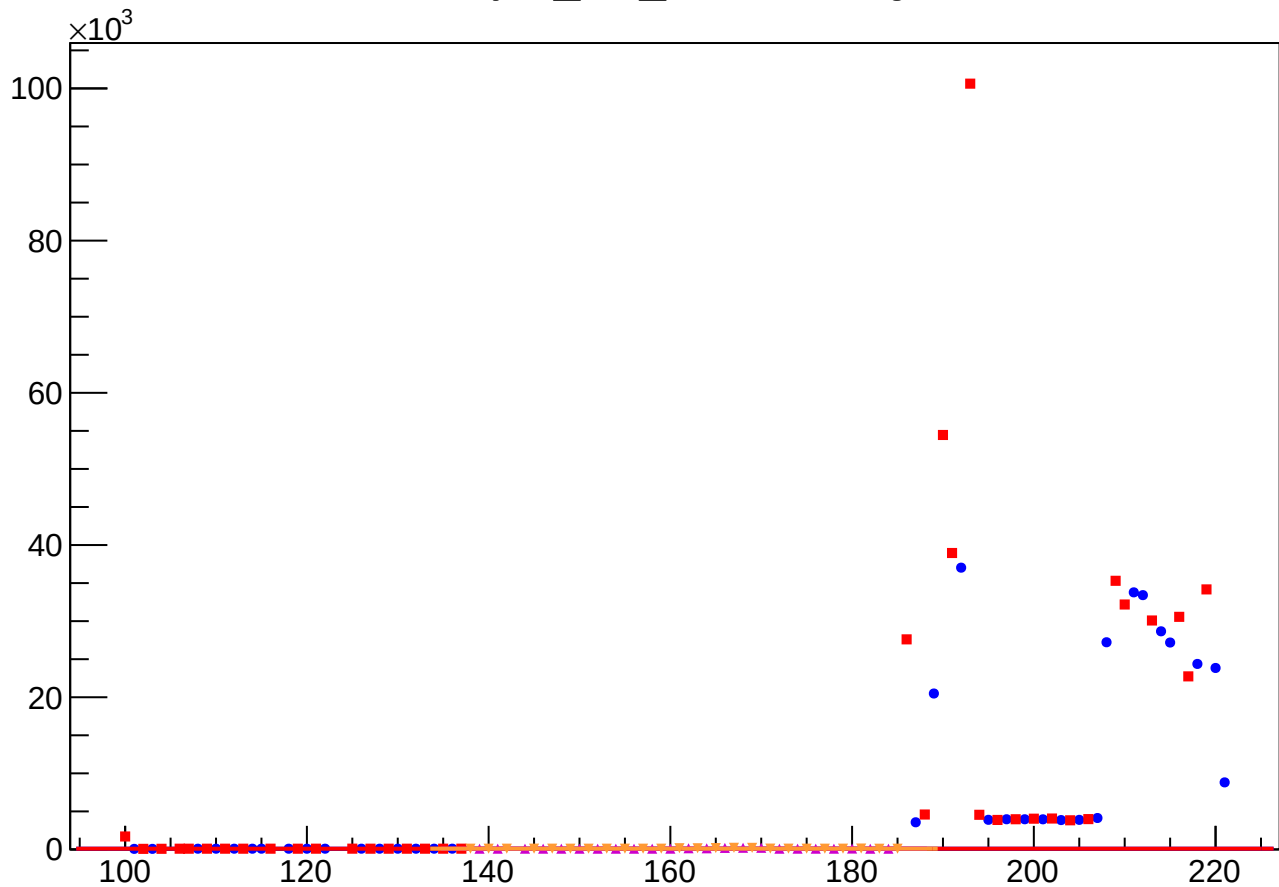
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 7.755 ± 21.374 χ^2/NDF : 75.9/57

All: -4.733 ± 15.129 χ^2/NDF : 134.0/116

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

asym_dsl_rms vs Slug



Right In: 96.378 $\pm$ 0.026 χ^2 /NDF: 22441437.0/33

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

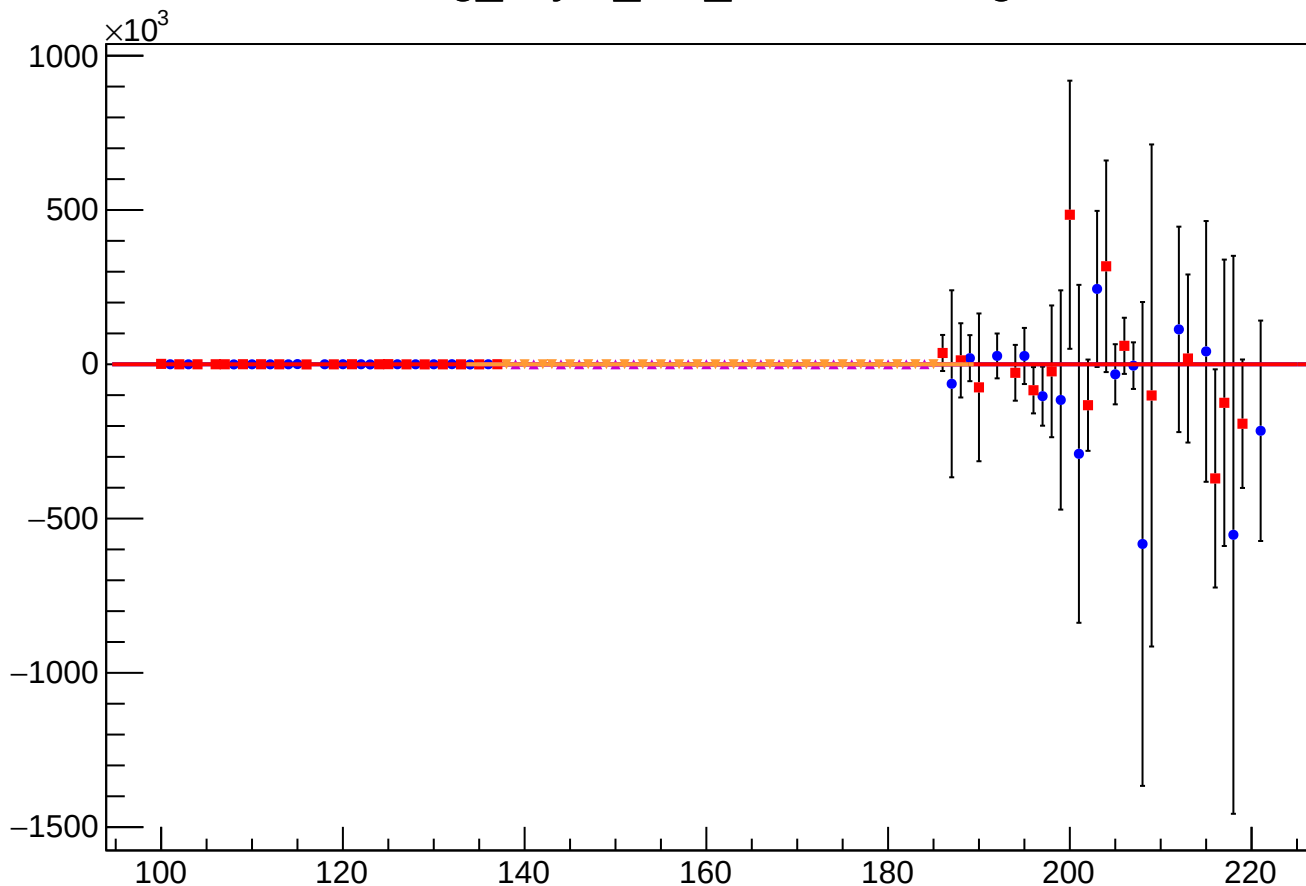
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 104.133 $\pm$ 0.015 χ^2 /NDF: 24012163.3/57

All: 104.336 $\pm$ 0.011 χ^2 /NDF: 44565075.0/11

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

reg_asym_dsr_mean vs Slug



Right In: -26.807 ± 46.841 χ^2/NDF : 18.8/31

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

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

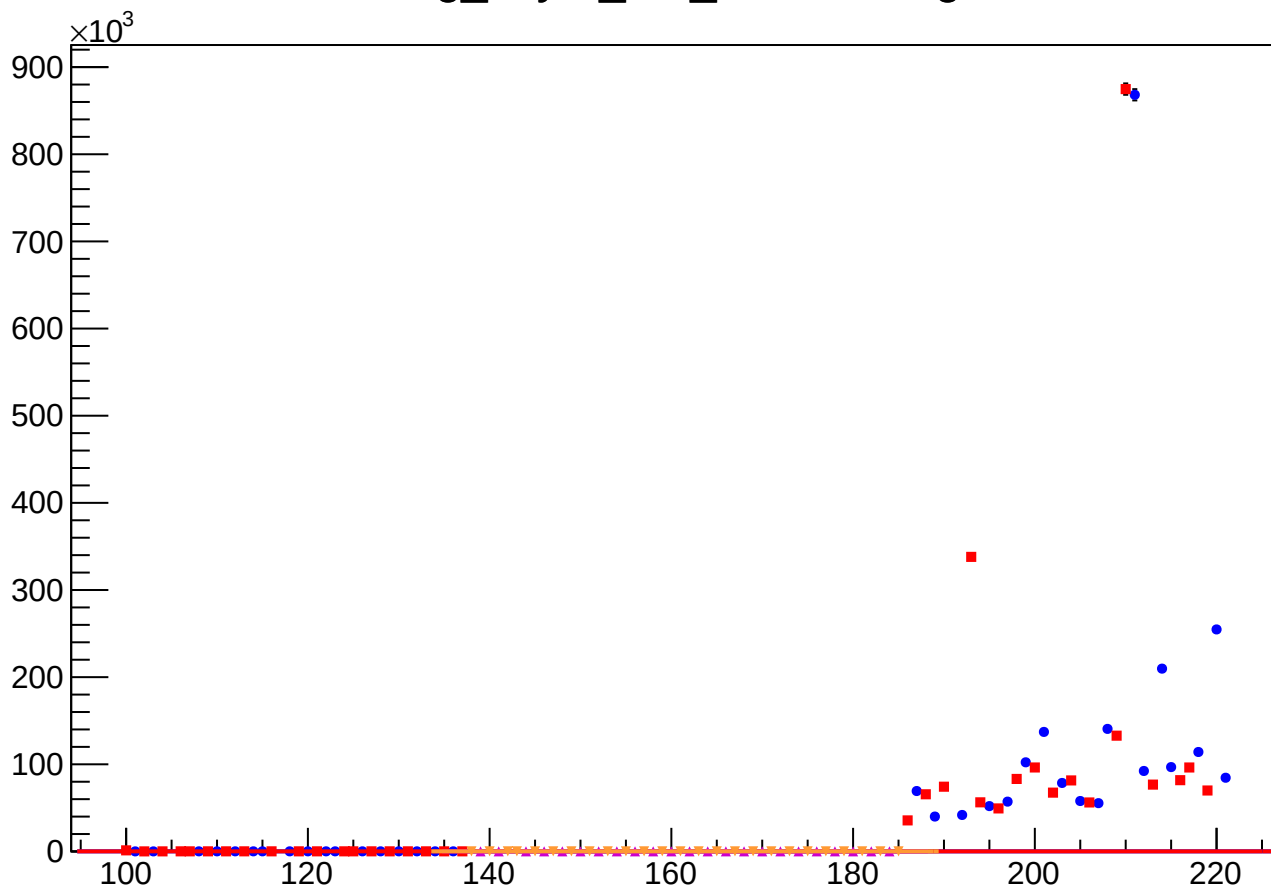
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.289 ± 26.458 χ^2/NDF : 30.8/56

All: 4.341 ± 18.939 χ^2/NDF : 78.3/113

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

reg_asym_dsr_rms vs Slug



Right In: 117.886 $\pm$ 0.033 χ^2 /NDF: 7285842.9/34

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

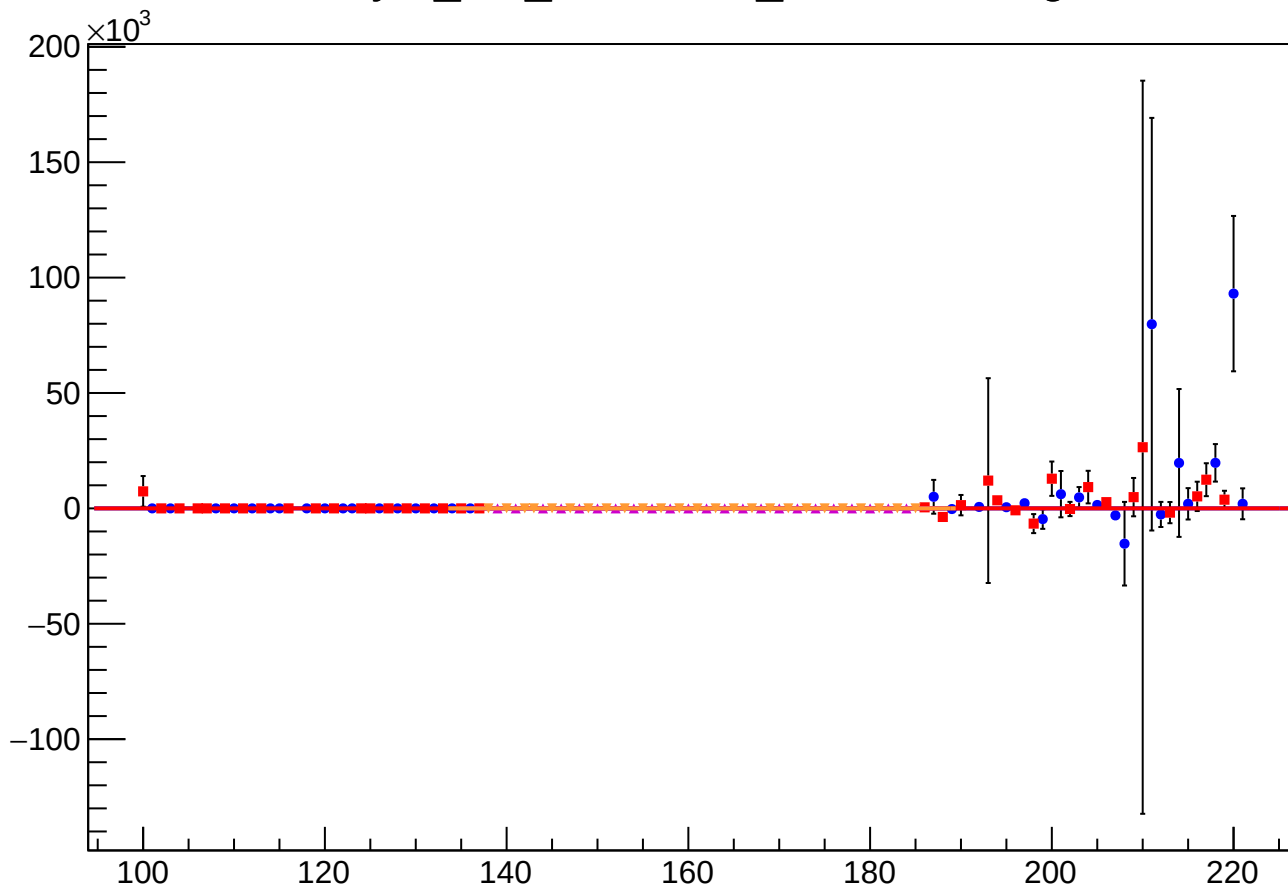
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.485 $\pm$ 0.019 χ^2 /NDF: 7533845.0/59

All: 132.531 $\pm$ 0.013 χ^2 /NDF: 14679531.6/11

- 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 : 39.1/34

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

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

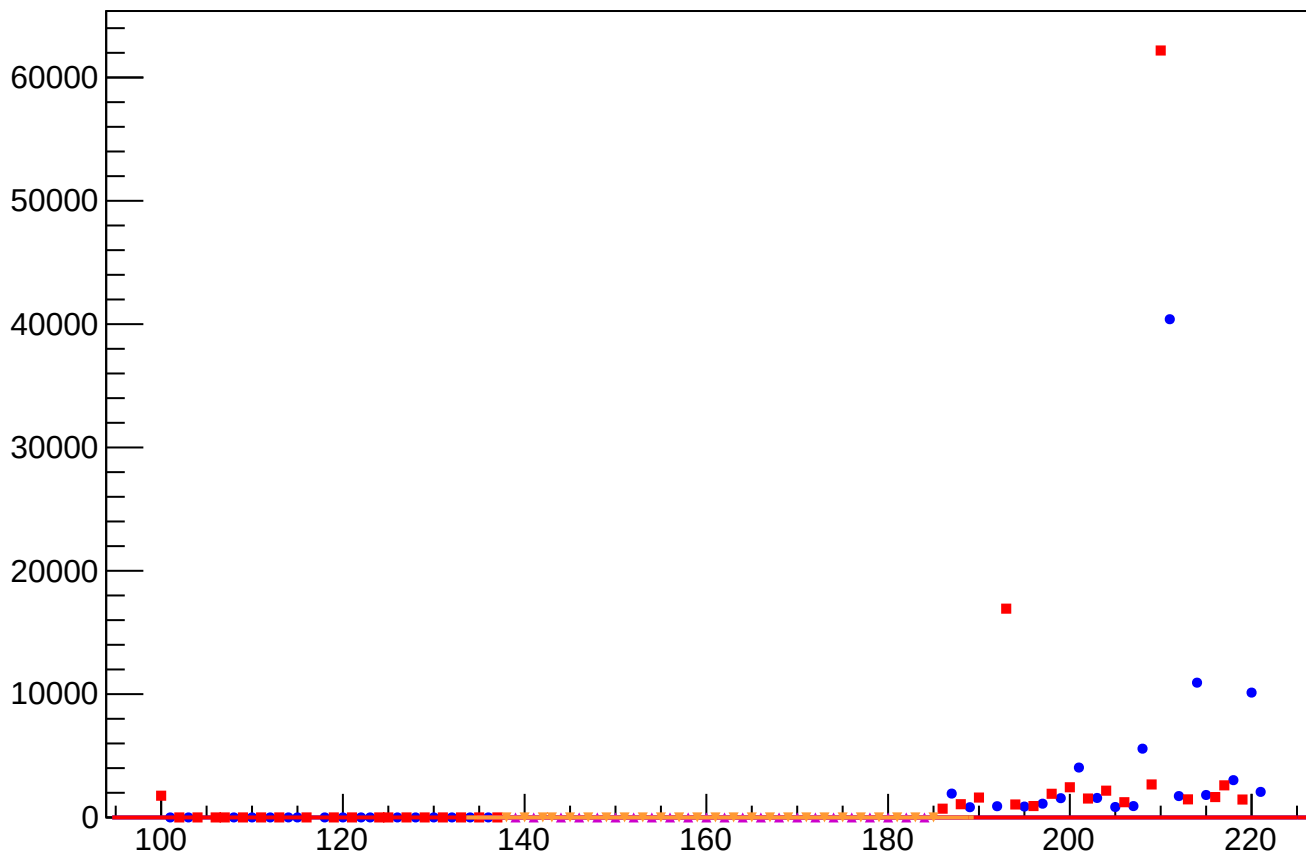
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 69.6/59

All: 0.046 ± 0.334 χ^2/NDF : 128.5/118

- 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 : 7459363.2/34

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

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

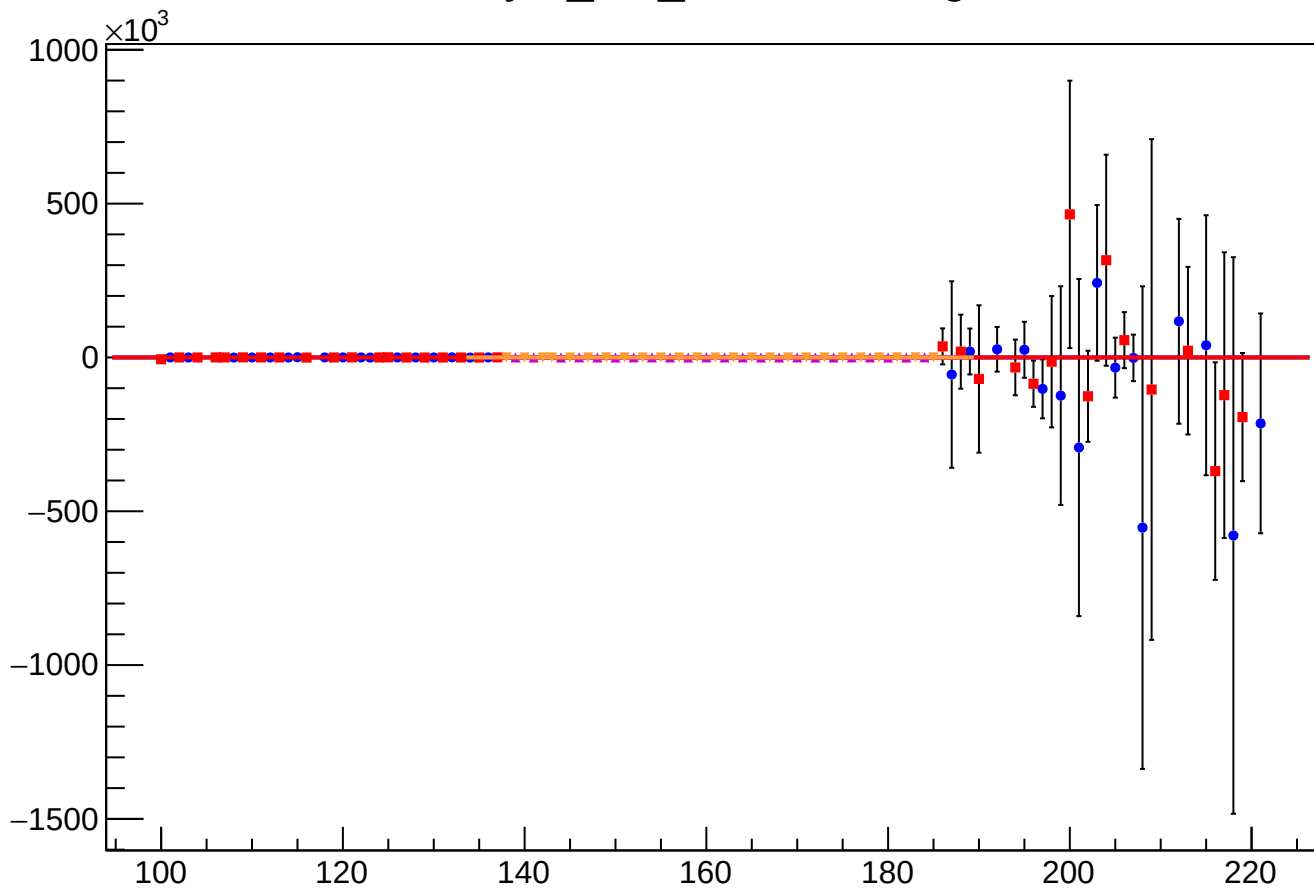
Left In: 2.193 ± 0.000 χ^2/NDF : 510890.7/22

+ sign 2.130 ± 0.000 χ^2/NDF : 8151384.6/59

All: 2.141 ± 0.000 χ^2/NDF : 16169390.9/118

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

asym_dsr_mean vs Slug



Right In: -25.068 ± 46.854 χ^2/NDF : 18.8/31

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

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

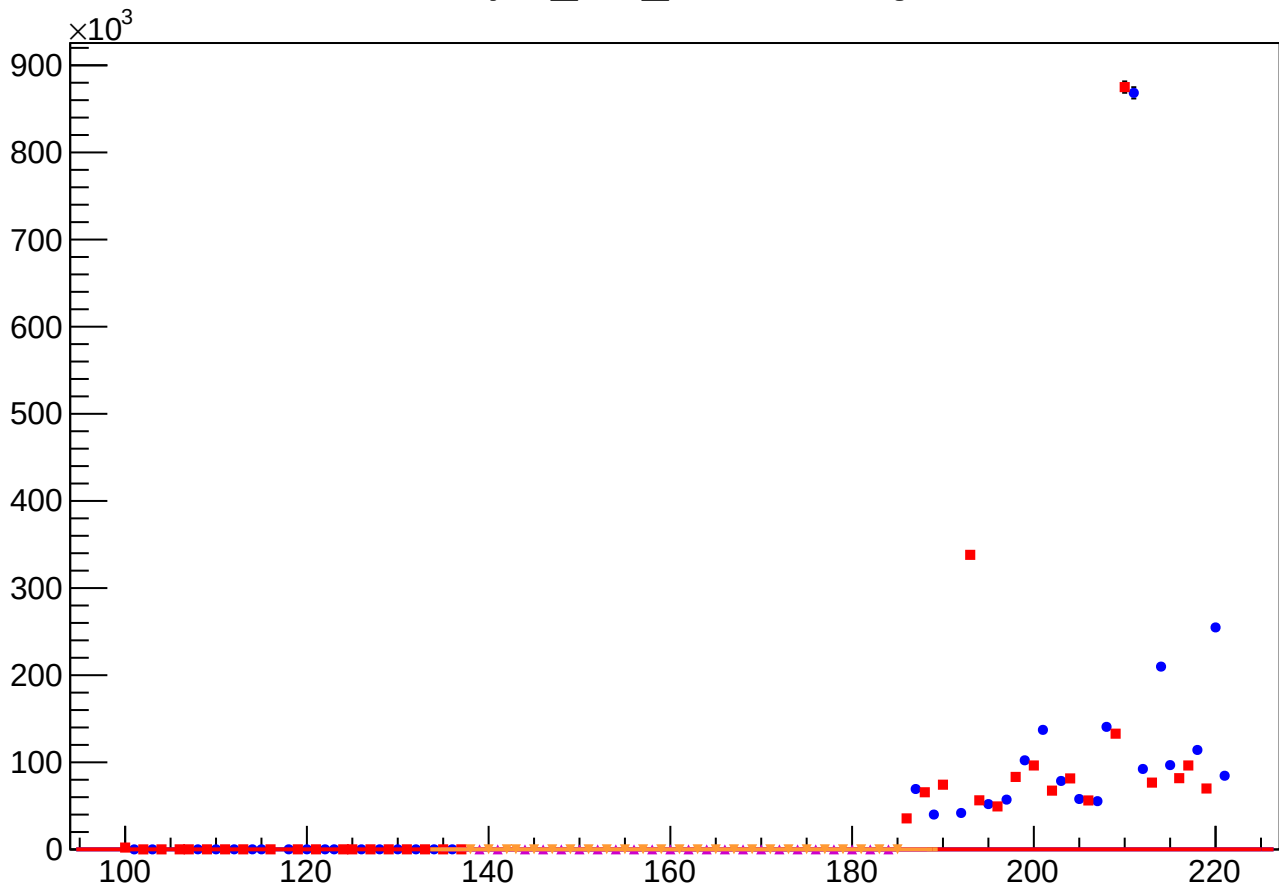
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.112 ± 26.465 χ^2/NDF : 30.6/56

All: 4.256 ± 18.944 χ^2/NDF : 78.7/113

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

asym_dsr_rms vs Slug



Right In: 117.918 $\pm$ 0.033 χ^2 /NDF: 7286008.9/34

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

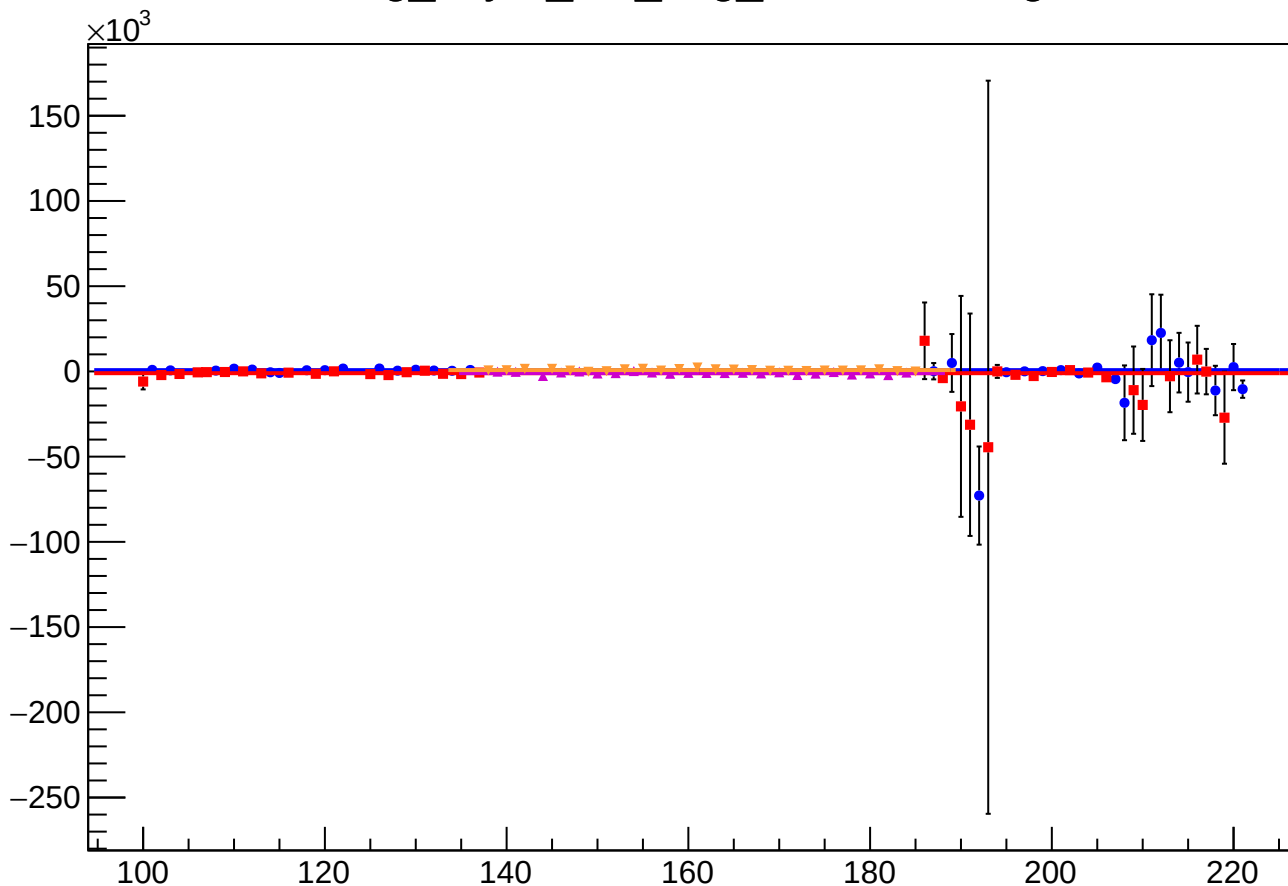
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF: 457.2/22

+ sign 131.521 $\pm$ 0.019 χ^2 /NDF: 7534042.3/59

All: 132.560 $\pm$ 0.013 χ^2 /NDF: 14691027.8/11

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

reg_asym_left_avg_mean vs Slug



Right In: 748.238 ± 209.598 χ^2/NDF : 26.6/33

Left Out: 784.371 ± 134.054 χ^2/NDF : 19.2/23

Right Out: -1040.143 ± 207.223 χ^2/NDF : 20.7/35

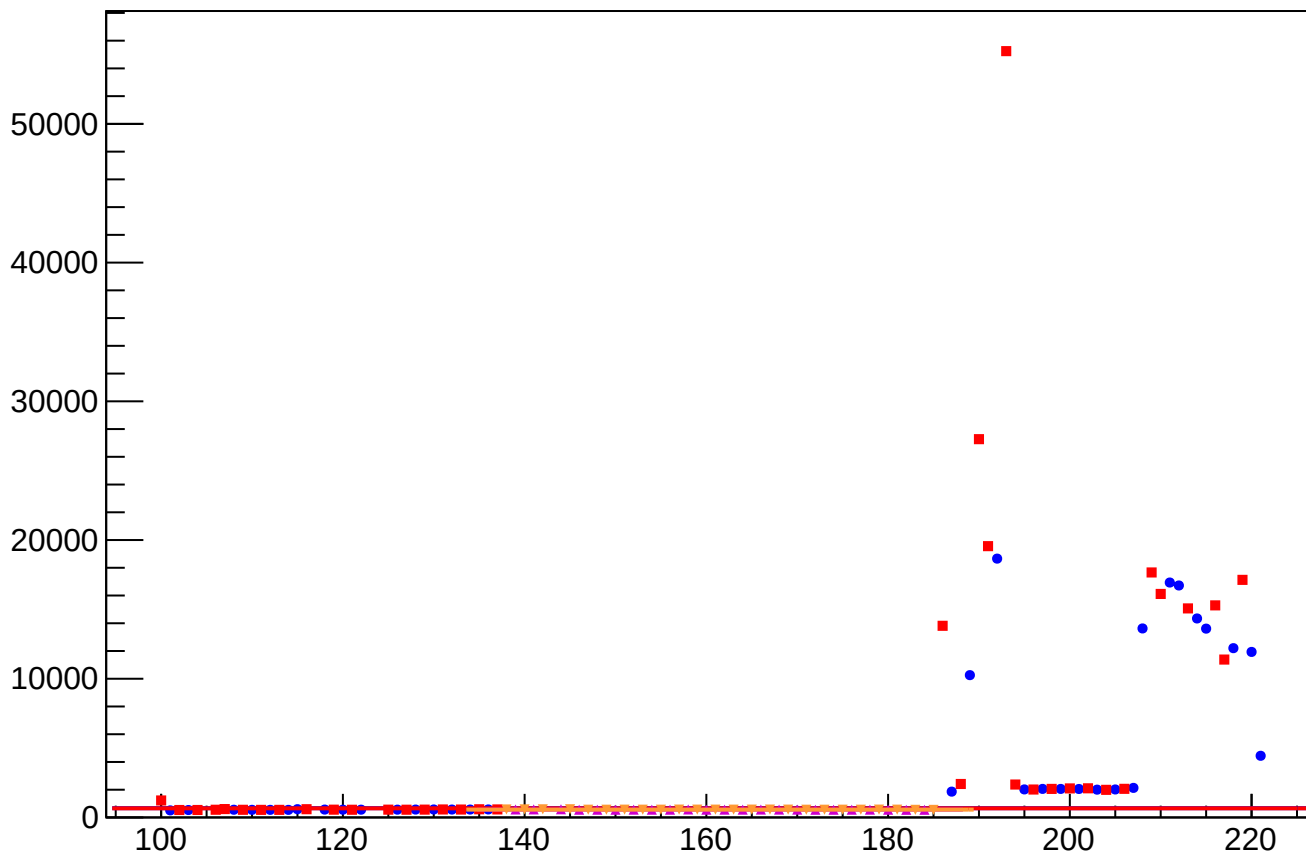
Left In: -974.402 ± 134.932 χ^2/NDF : 27.4/22

+ sign 773.881 ± 112.931 χ^2/NDF : 45.8/57

All: -108.935 ± 79.905 χ^2/NDF : 216.4/116

- sign -993.976 ± 113.074 χ^2/NDF : 48.3/58

reg_asym_left_avg_rms vs Slug



Right In: 669.623+/-0.148 χ^2/NDF : 15792765.1/33

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

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

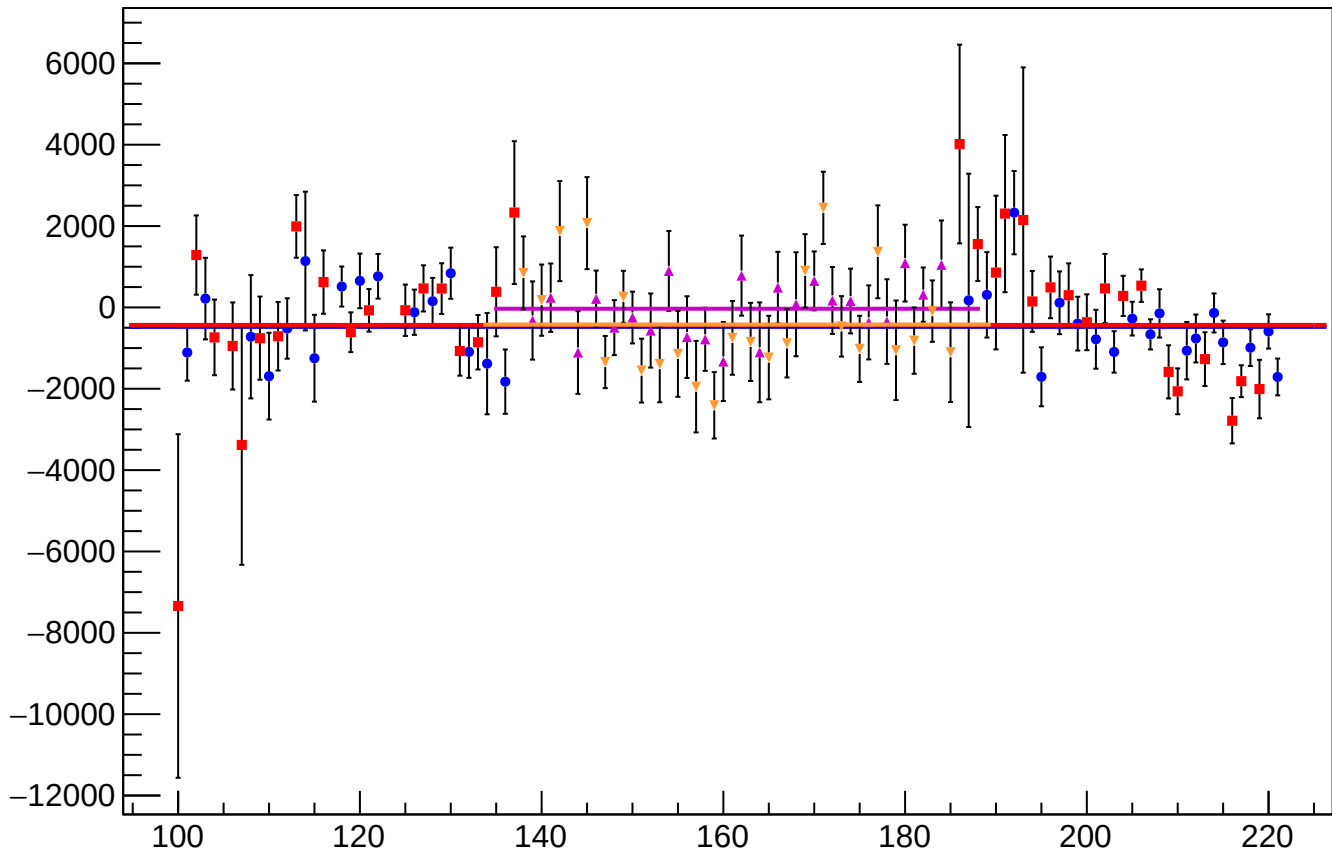
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 594.765+/-0.080 χ^2/NDF : 16161831.6/57

All: 593.542+/-0.057 χ^2/NDF : 29667627.9/11

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

asym_left_avg_correction_mean vs Slug



Right In: -478.510 ± 106.431 χ^2/NDF : 51.2/33

Left Out: -422.681 ± 180.610 χ^2/NDF : 43.2/23

Right Out: -430.158 ± 118.205 χ^2/NDF : 100.4/35

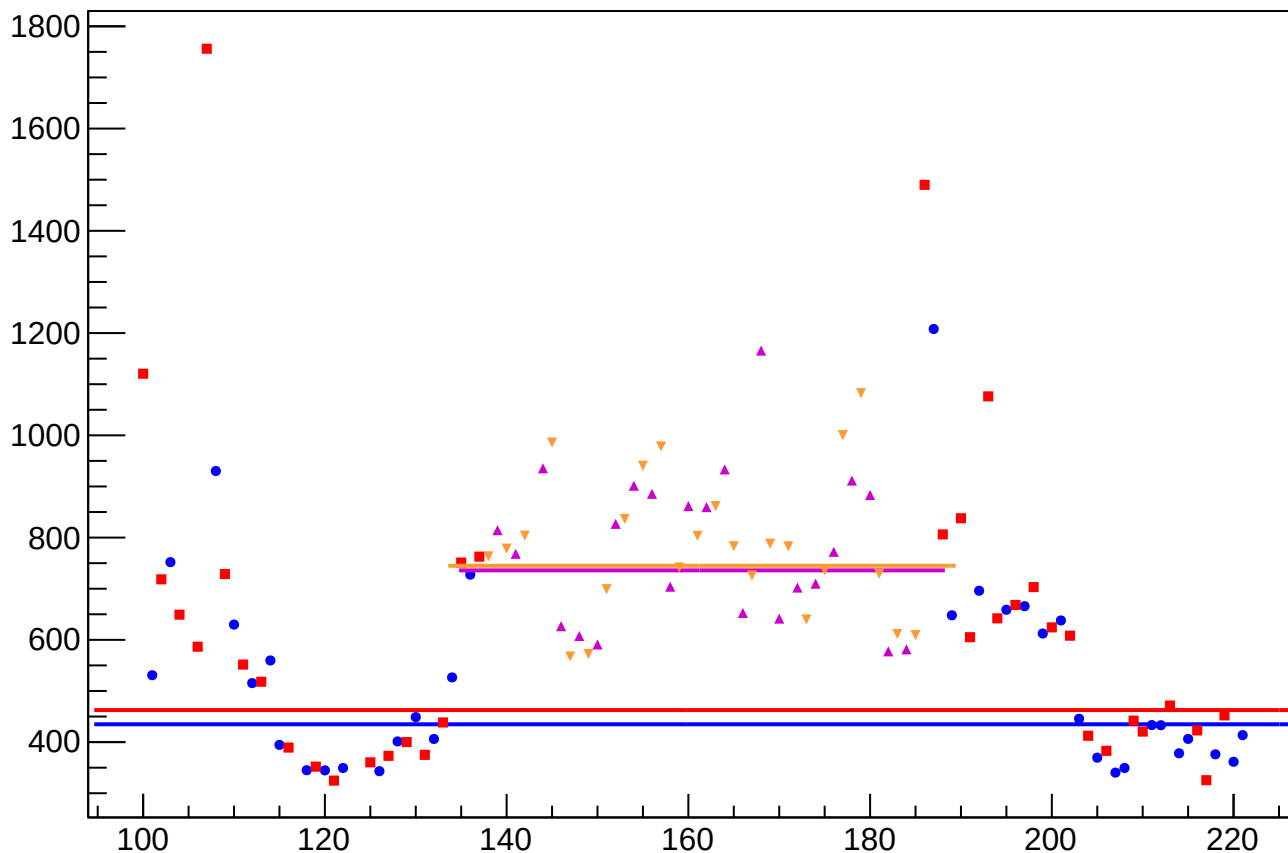
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -464.120 ± 91.694 χ^2/NDF : 94.5/57

All: -392.630 ± 67.181 χ^2/NDF : 211.8/116

- sign -309.781 ± 98.711 χ^2/NDF : 116.0/58

asym_left_avg_correction_rms vs Slug



Right In: 434.839 $\pm$ 0.075 χ^2 /NDF: 2420148.3/33

Left Out: 744.909 $\pm$ 0.128 χ^2 /NDF:1008847.7/23

Right Out: 462.655 $\pm$ 0.084 χ^2 /NDF: 3244348.2/35

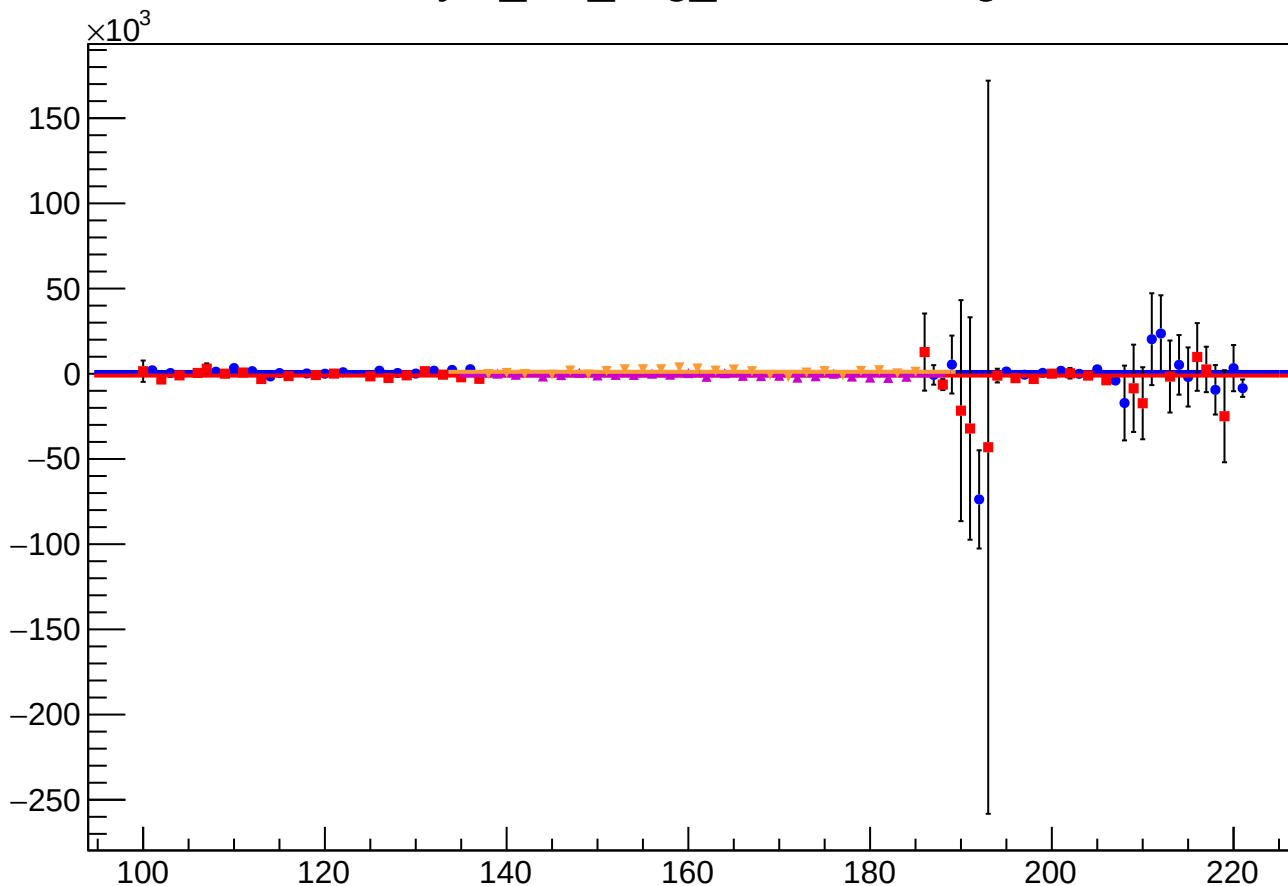
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

+ sign 514.760 $\pm$ 0.065 χ^2 /NDF: 7804375.8/57

All: 528.923 $\pm$ 0.048 χ^2 /NDF: 15490374.1/11

- sign 545.336 $\pm$ 0.070 χ^2 /NDF: 7582988.5/58

asym_left_avg_mean vs Slug



Right In: 1063.202 $\pm$ 279.986 χ^2 /NDF: 30.9/33

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

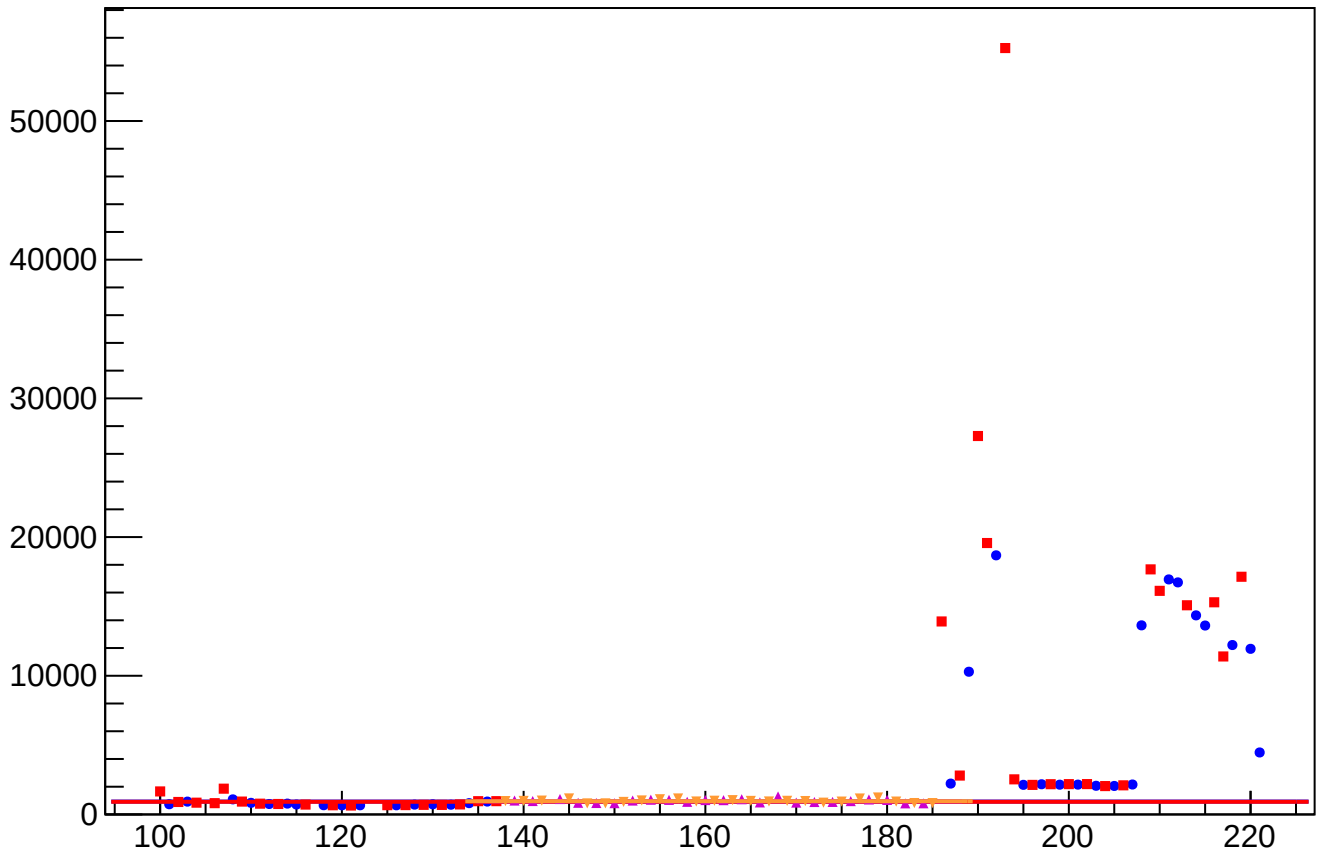
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1108.007 $\pm$ 177.184 χ^2 /NDF: 69.9/57

All: 58.174 $\pm$ 125.227 χ^2 /NDF: 186.5/116

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

asym_left_avg_rms vs Slug



Right In: 929.937+/-0.198 χ^2/NDF : 14129726.8/33

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

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

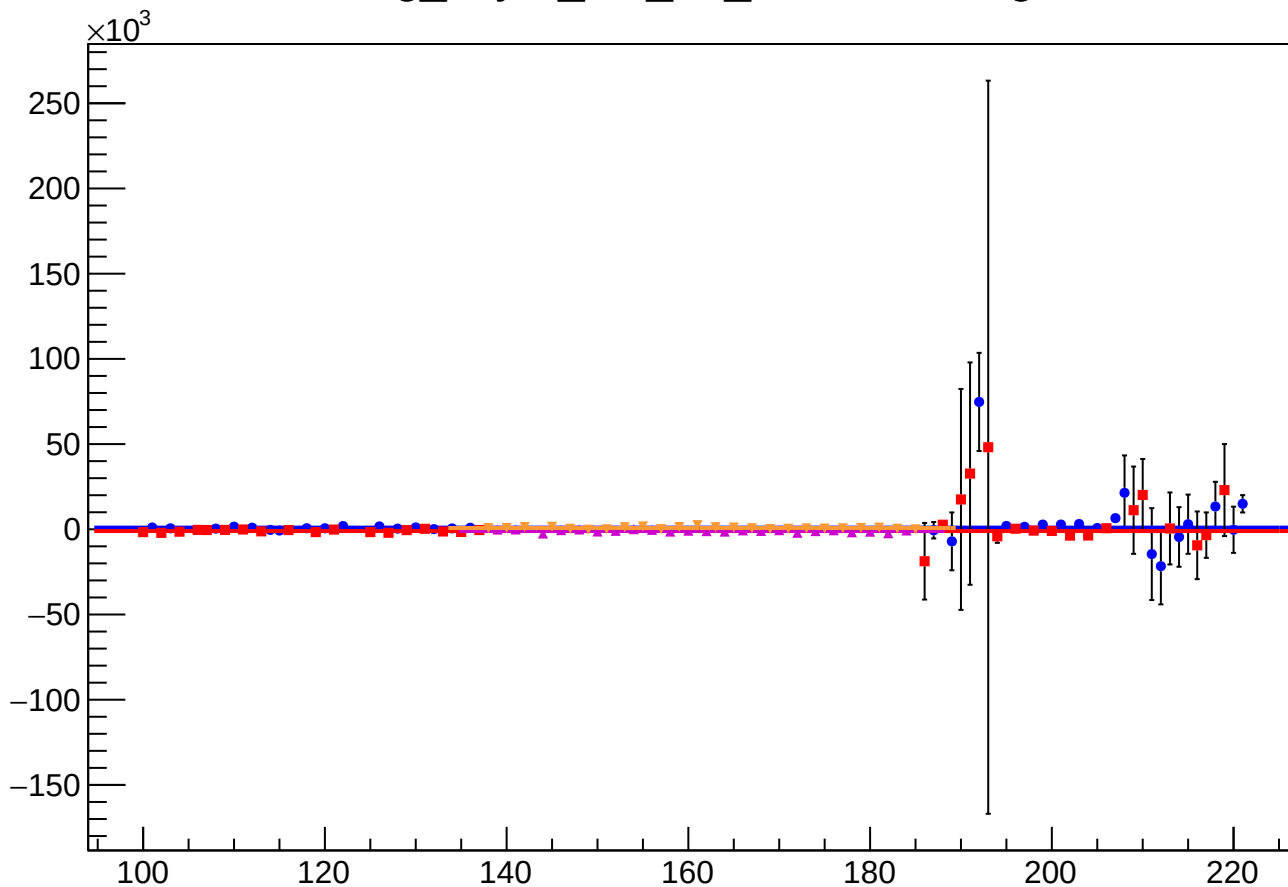
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 944.563+/-0.125 χ^2/NDF : 14598978.2/57

All: 939.108+/-0.089 χ^2/NDF : 27271590.0/11

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

reg_asym_left_dd_mean vs Slug



Right In: 983.096 $\pm$ 209.468 χ^2 /NDF: 32.1/33

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

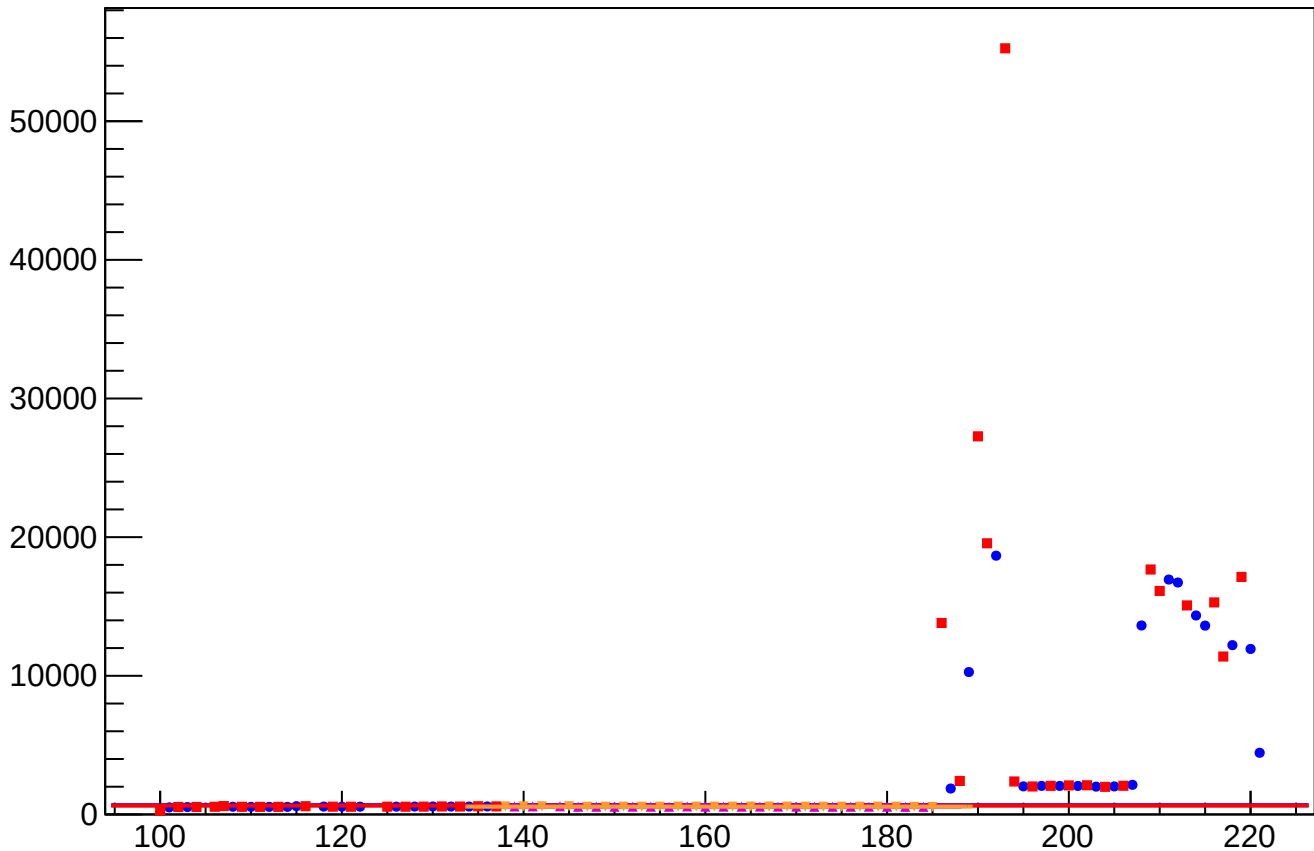
Left In: -958.517 $\pm$ 134.824 χ^2 /NDF: 26.8/22

+ sign 823.073 $\pm$ 112.844 χ^2 /NDF: 53.9/57

All: -81.215 $\pm$ 79.580 χ^2 /NDF: 229.6/116

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

reg_asym_left_dd_rms vs Slug



Right In: 668.973+/-0.148 χ^2/NDF : 15808273.7/33

Left Out: 563.675+/-0.095 χ^2/NDF : 9542.9/23

Right Out: 638.477+/-0.143 χ^2/NDF : 13527026.4/35

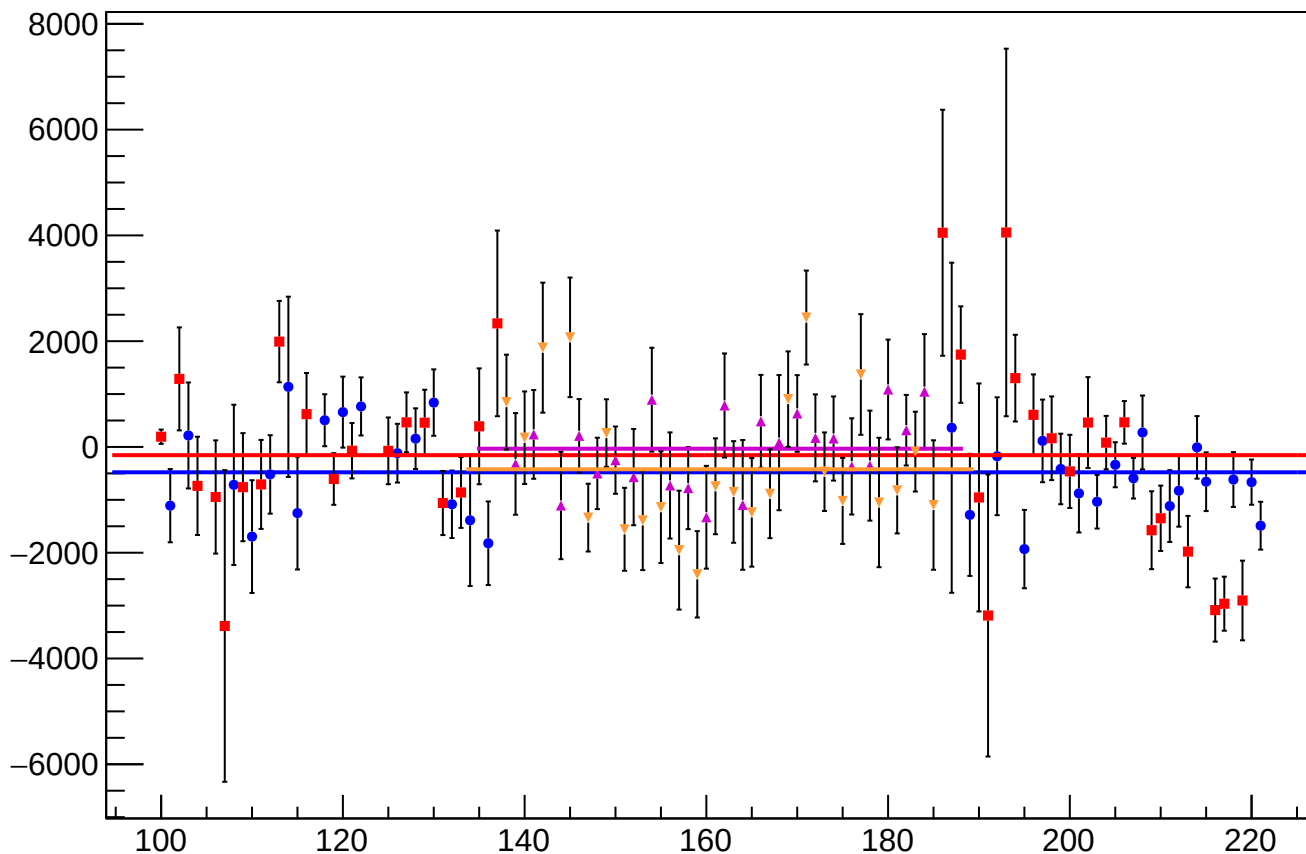
Left In: 563.934+/-0.095 χ^2/NDF : 9204.6/22

+ sign 594.234+/-0.080 χ^2/NDF : 16176541.5/57

All: 590.503+/-0.056 χ^2/NDF : 29904753.9/111

- sign 586.811+/-0.079 χ^2/NDF : 13723862.6/58

asym_left_dd_correction_mean vs Slug



Right In: -479.419 ± 110.015 $\chi^2/\text{NDF}: 41.5/33$

Left Out: -422.324 ± 180.531 $\chi^2/\text{NDF}: 43.3/23$

Right Out: -155.222 ± 90.841 $\chi^2/\text{NDF}: 129.8/35$

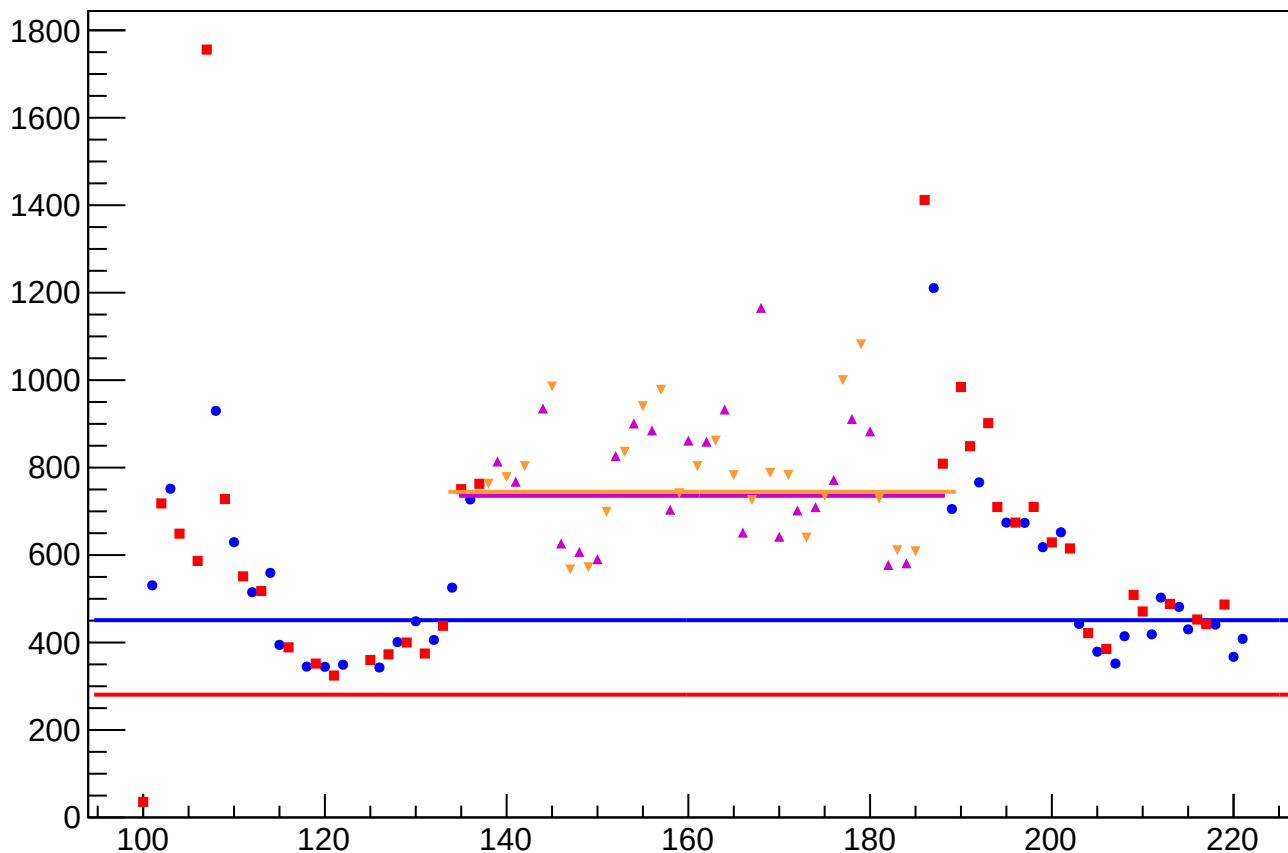
Left In: -33.325 ± 179.355 $\chi^2/\text{NDF}: 12.1/22$

+ sign -463.957 ± 93.946 $\chi^2/\text{NDF}: 84.8/57$

All: -272.672 ± 61.363 $\chi^2/\text{NDF}: 234.3/116$

- sign -130.336 ± 81.039 $\chi^2/\text{NDF}: 142.2/58$

asym_left_dd_correction_rms vs Slug



Right In: 451.102 ± 0.078 $\chi^2/\text{NDF}: 2364436.8/33$

Left Out: 744.597 ± 0.128 $\chi^2/\text{NDF}: 1009604.0/23$

Right Out: 280.825 ± 0.064 $\chi^2/\text{NDF}: 15051364.6/35$

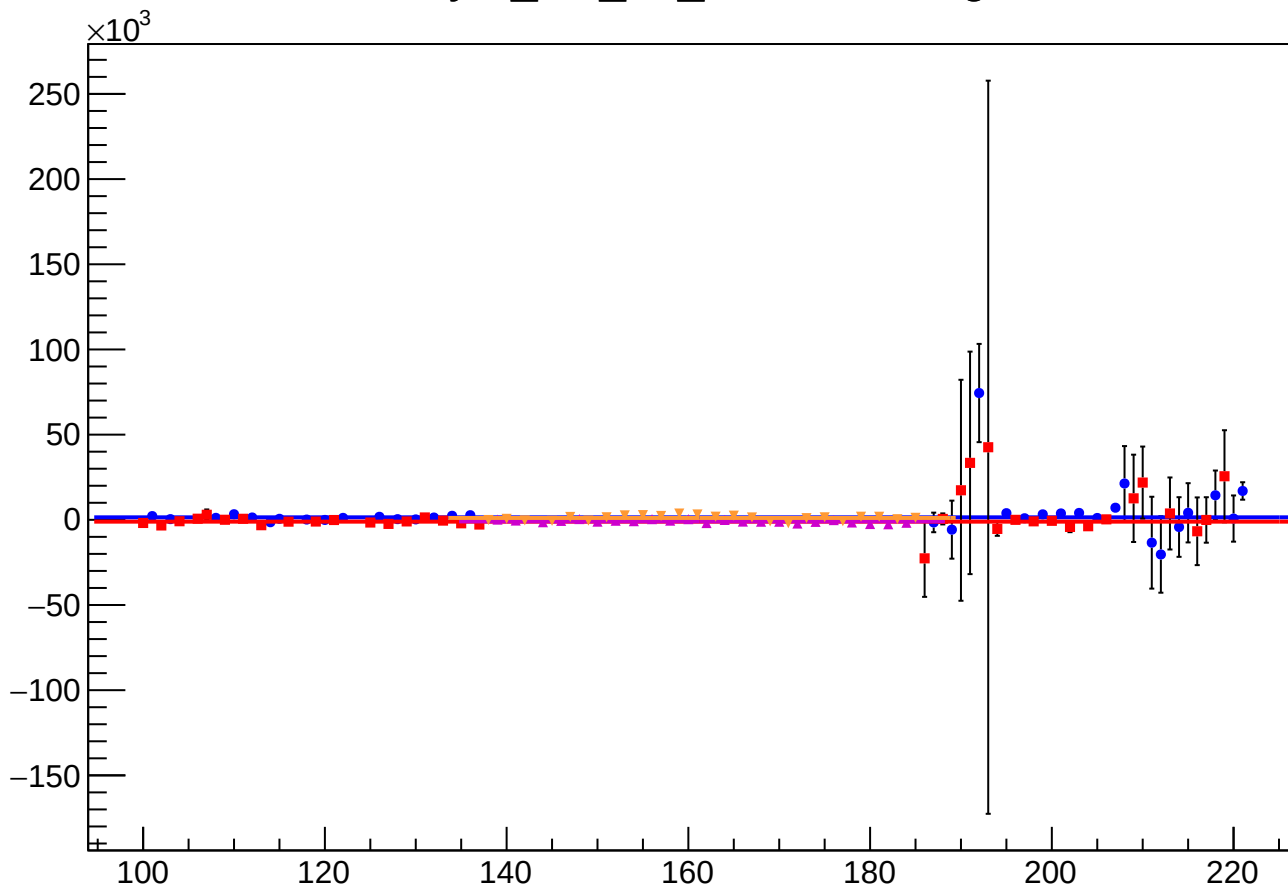
Left In: 735.543 ± 0.127 $\chi^2/\text{NDF}: 1105222.3/22$

+ sign 530.580 ± 0.066 $\chi^2/\text{NDF}: 7228581.2/57$

All: 440.607 ± 0.043 $\chi^2/\text{NDF}: 36815540.3/11$

- sign 373.658 ± 0.057 $\chi^2/\text{NDF}: 26387509.1/58$

asym_left_dd_mean vs Slug



Right In: 1457.793 $\pm$ 279.891 χ^2 /NDF: 41.1/33

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

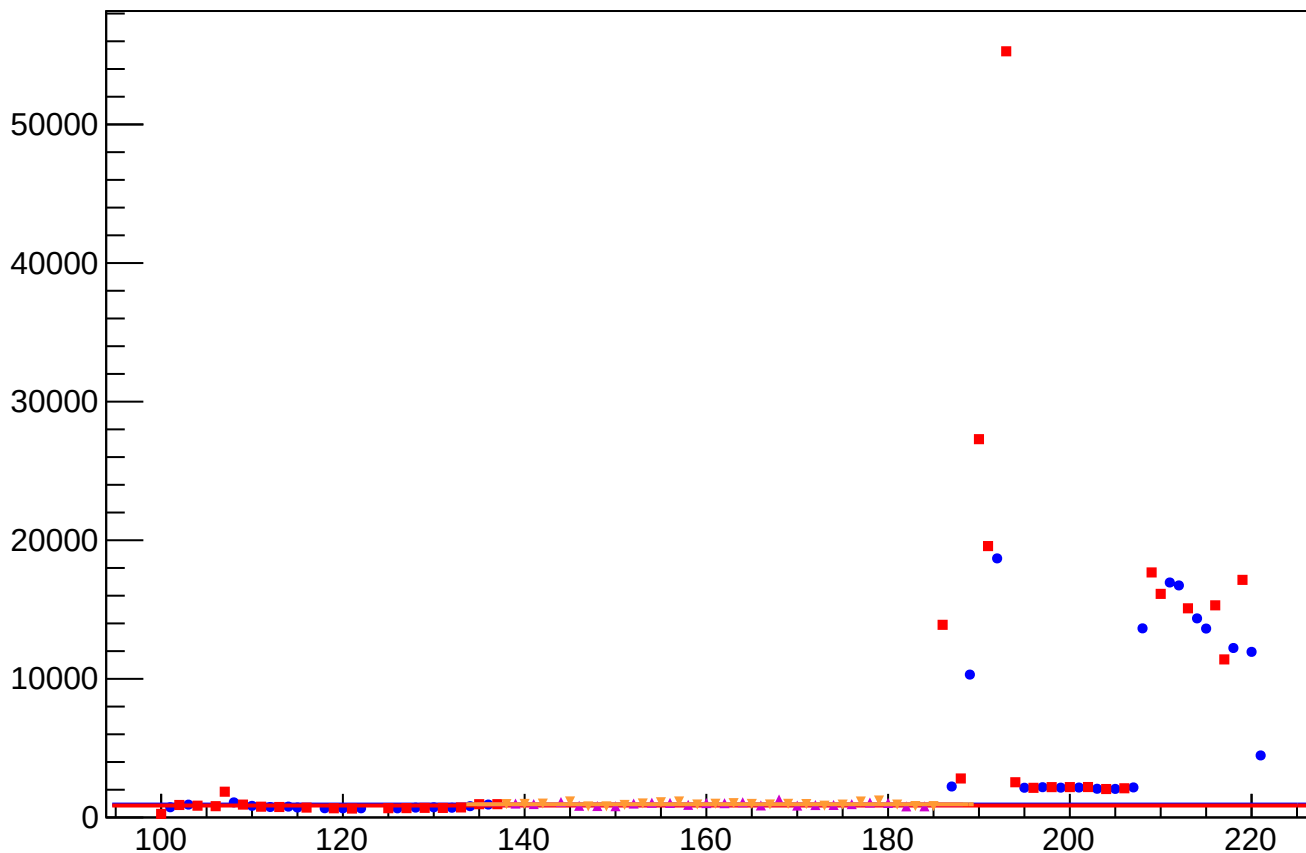
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1246.330 $\pm$ 177.098 χ^2 /NDF: 80.3/57

All: 111.562 $\pm$ 124.159 χ^2 /NDF: 206.9/116

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

asym_left_dd_rms vs Slug



Right In: 929.167+/-0.198 χ^2/NDF : 14152735.0/33

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

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

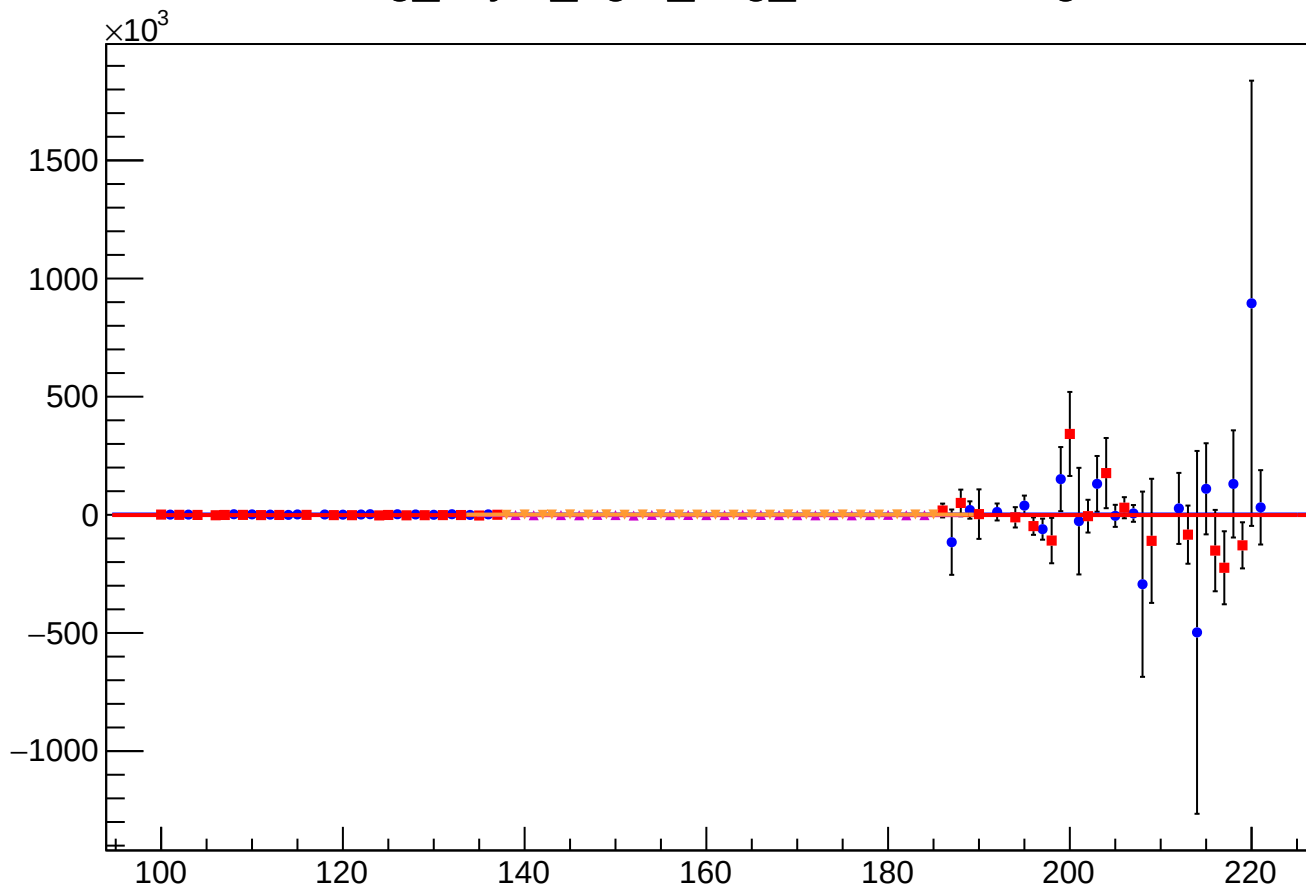
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 943.927+/-0.125 χ^2/NDF : 14622220.9/57

All: 927.009+/-0.088 χ^2/NDF : 28261261.4/11

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

reg_asym_right_avg_mean vs Slug



Right In: 1325.483+/-218.578 χ^2/NDF : 21.7/33

Left Out: 1073.626+/-129.690 χ^2/NDF :15.1/24

Right Out: -1041.099+/-212.060 χ^2/NDF : 28.5/33

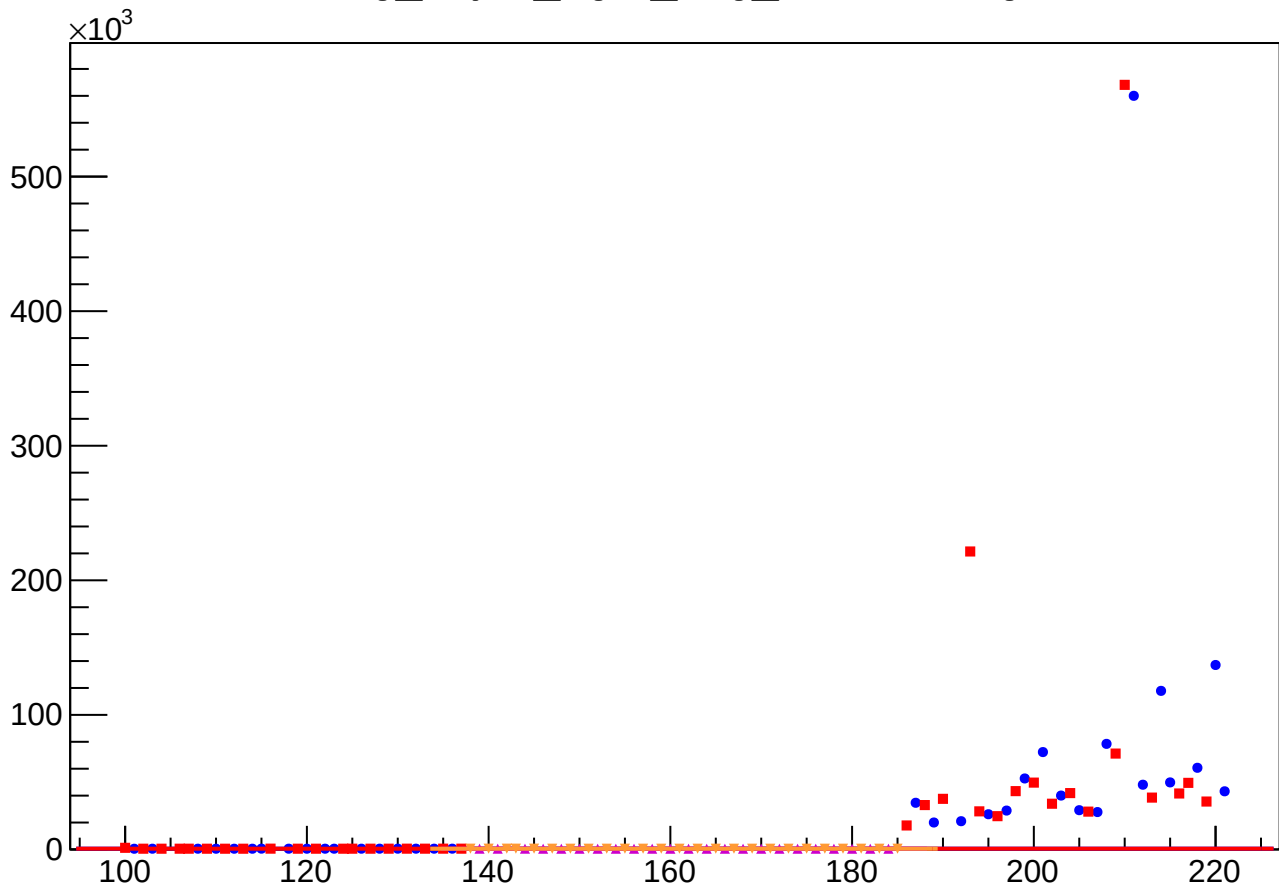
Left In: -1123.857+/-133.163 χ^2/NDF :30.0/22

+ sign 1139.204+/-111.535 χ^2/NDF : 37.8/58

All: 31.734+/-79.301 χ^2/NDF : 295.8/115

- sign -1100.452+/-112.772 χ^2/NDF : 58.6/56

reg_asym_right_avg_rms vs Slug



Right In: 568.887 $\pm$ 0.155 χ^2 /NDF: 6684472.1/34

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

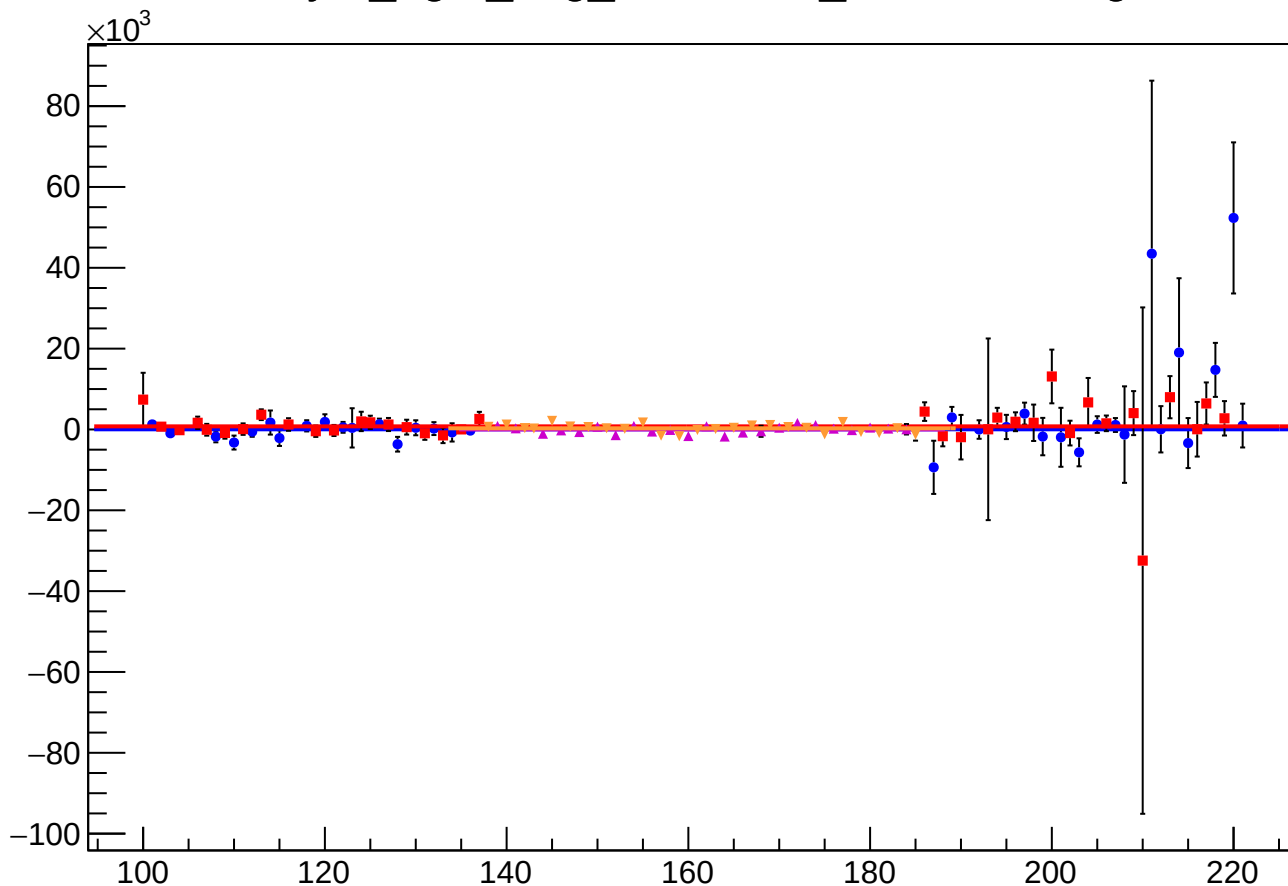
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF:11209.7/22

+ sign 560.490 $\pm$ 0.079 χ^2 /NDF: 6703215.2/59

All: 560.599 $\pm$ 0.056 χ^2 /NDF: 13244669.7/11

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

asym_right_avg_correction_mean vs Slug



Right In: 38.831 ± 305.168 χ^2/NDF : 41.4/34

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

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

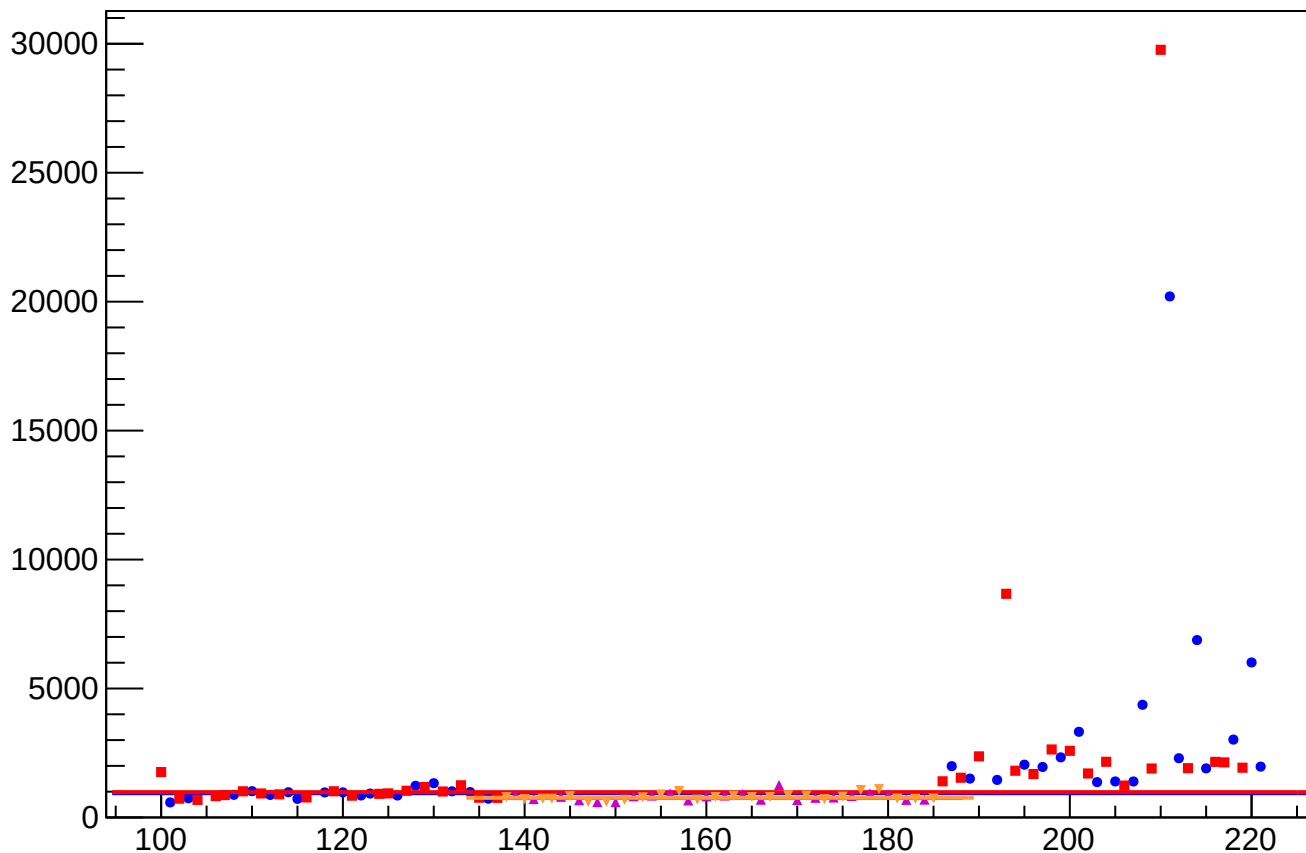
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 218.924 ± 155.310 χ^2/NDF : 68.6/59

All: 212.302 ± 110.695 χ^2/NDF : 121.8/118

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

asym_right_avg_correction_rms vs Slug



Right In: 940.133+/-0.216 χ^2/NDF : 3691750.2/34

Left Out: 763.085+/-0.128 χ^2/NDF : 753700.1/24

Right Out: 981.424+/-0.219 χ^2/NDF : 3014571.6/35

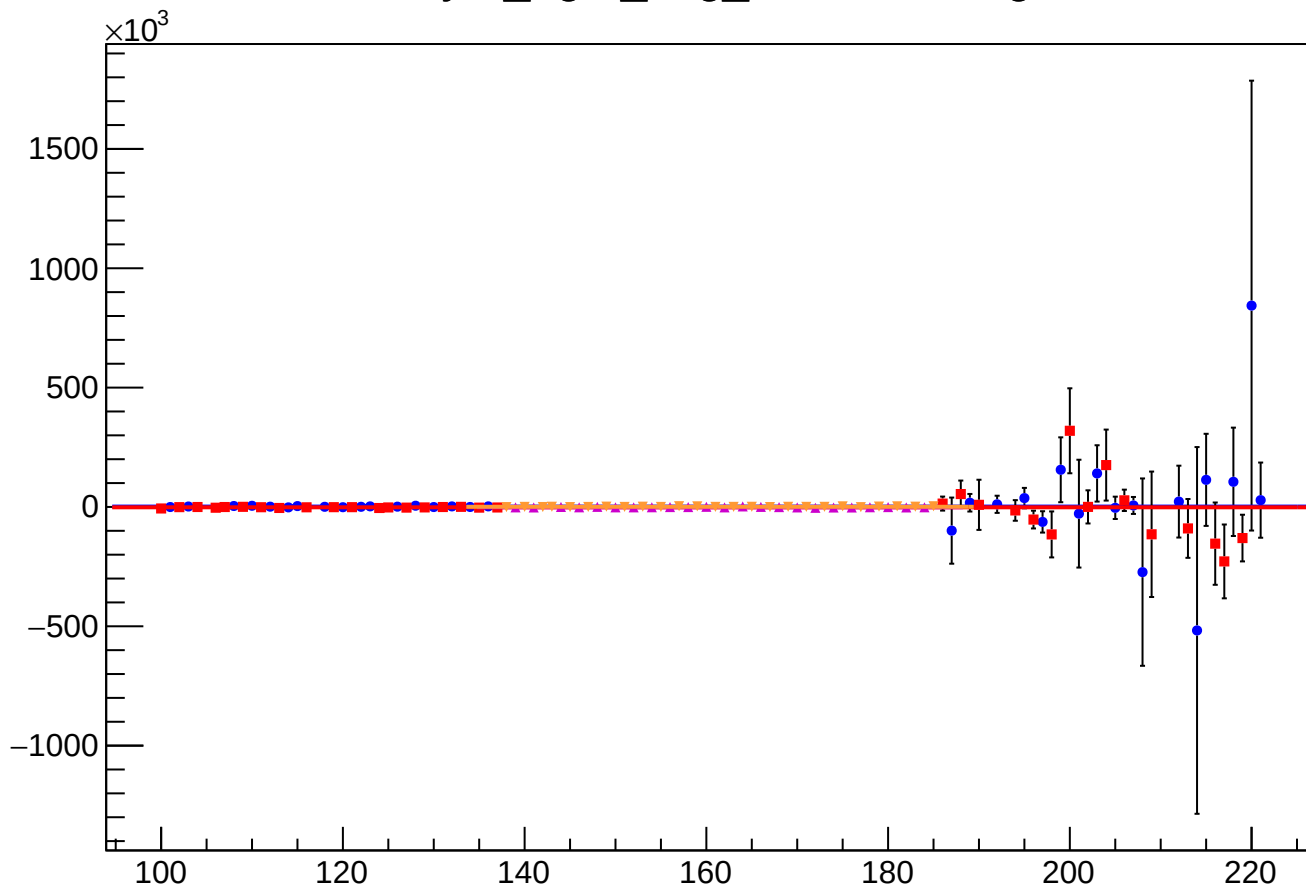
Left In: 754.099+/-0.130 χ^2/NDF : 931829.3/22

+ sign 808.943+/-0.110 χ^2/NDF : 4944278.0/59

All: 810.973+/-0.078 χ^2/NDF : 9688652.1/118

- sign 813.070+/-0.112 χ^2/NDF : 4743679.1/58

asym_right_avg_mean vs Slug



Right In: 1502.157 $\pm$ 402.532 χ^2 /NDF: 25.7/33

Left Out: 739.641 $\pm$ 225.535 χ^2 /NDF: 21.5/24

Right Out: -1491.362 $\pm$ 400.590 χ^2 /NDF: 27.1/33

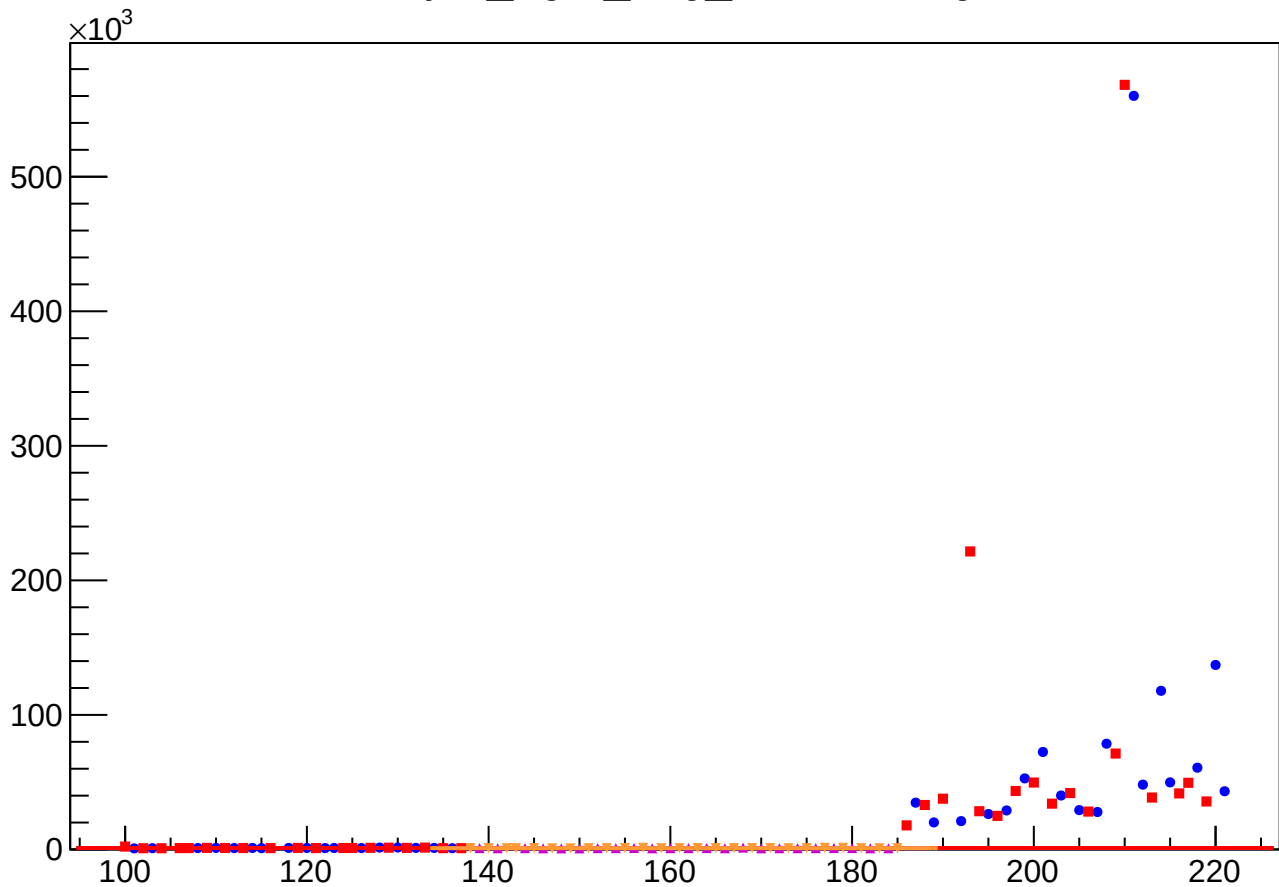
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 921.823 $\pm$ 196.756 χ^2 /NDF: 50.0/58

All: -132.048 $\pm$ 140.089 χ^2 /NDF: 161.3/115

- sign -1215.558 $\pm$ 199.504 χ^2 /NDF: 53.1/56

asym_right_avg_rms vs Slug



Right In: 1039.854+/-0.285 χ^2/NDF : 6806189.3/34

Left Out: 962.256+/-0.159 χ^2/NDF : 362937.6/24

Right Out: 1074.923+/-0.283 χ^2/NDF : 6501245.2/35

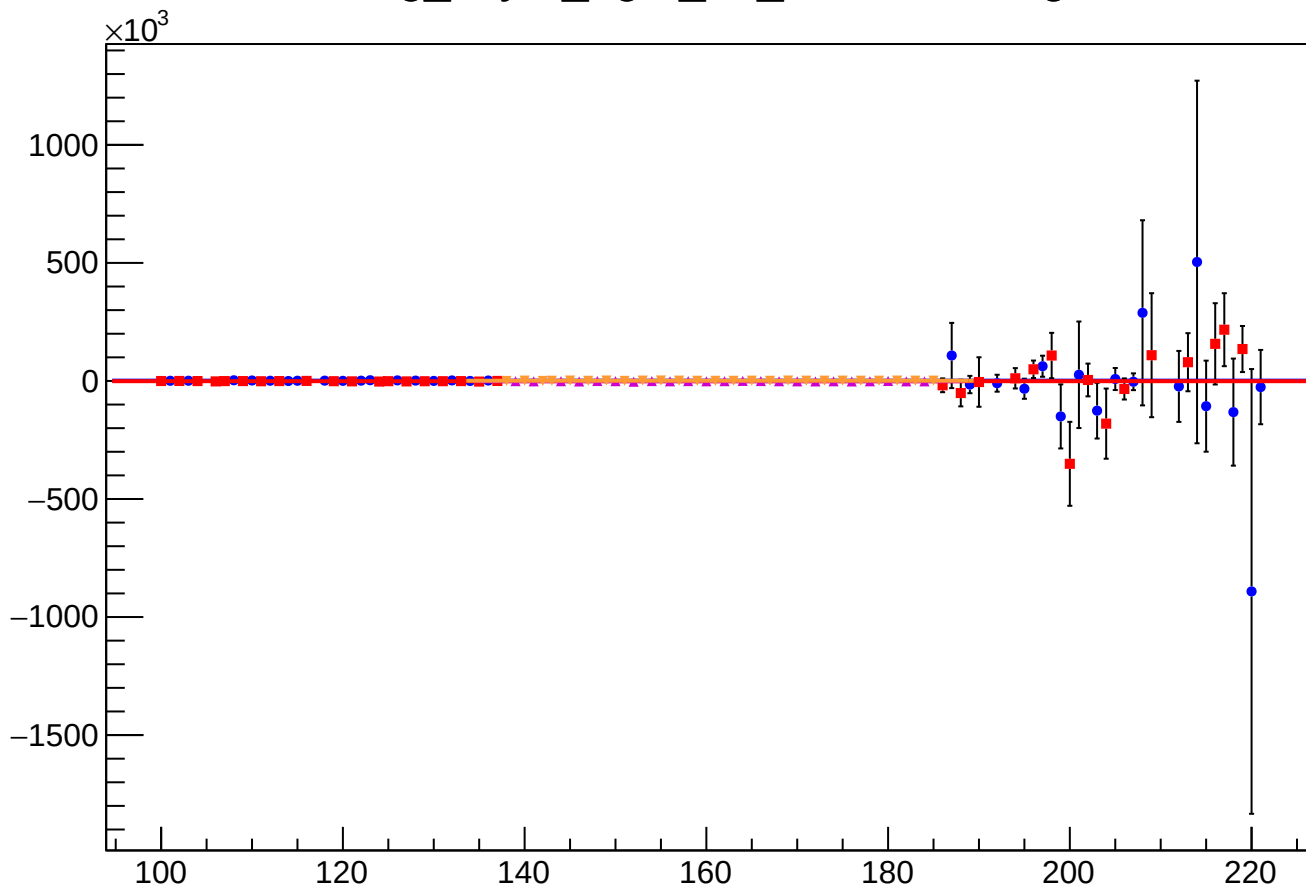
Left In: 954.643+/-0.163 χ^2/NDF : 443395.0/22

+ sign 980.796+/-0.139 χ^2/NDF : 7225694.8/59

All: 982.610+/-0.099 χ^2/NDF : 14306266.0/11

- sign 984.476+/-0.141 χ^2/NDF : 7080226.2/58

reg_asym_right_dd_mean vs Slug



Right In: 1344.113 $\pm$ 218.833 χ^2 /NDF: 20.5/33

Left Out: 1087.627 $\pm$ 129.821 χ^2 /NDF:14.9/24

Right Out: -964.579 $\pm$ 208.596 χ^2 /NDF: 27.9/33

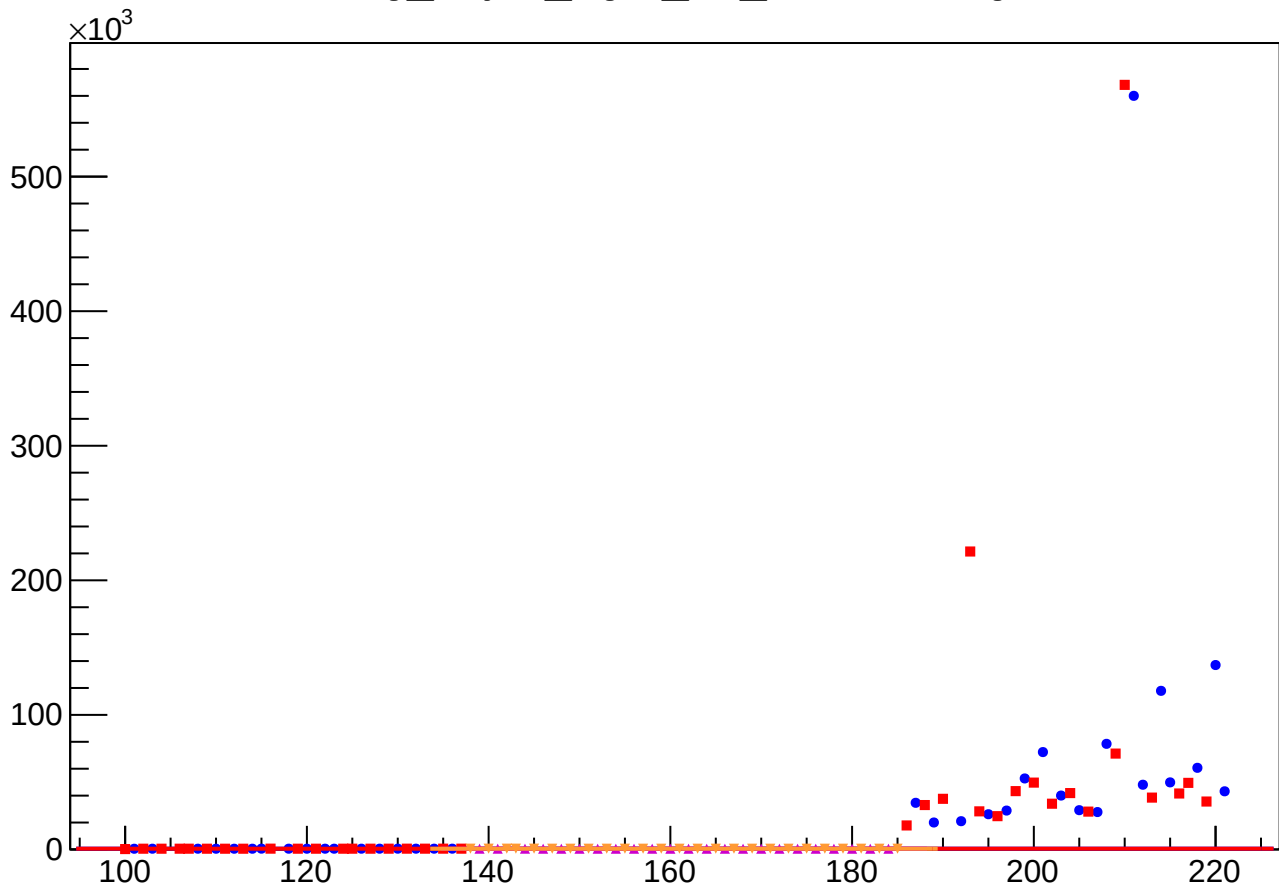
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.396 $\pm$ 111.652 χ^2 /NDF: 36.4/58

All: 21.982 $\pm$ 79.189 χ^2 /NDF: 304.2/115

- sign -1124.260 $\pm$ 112.332 χ^2 /NDF: 60.8/56

reg_asym_right_dd_rms vs Slug



Right In: 569.551 $\pm$ 0.155 χ^2 /NDF: 6684640.2/34

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

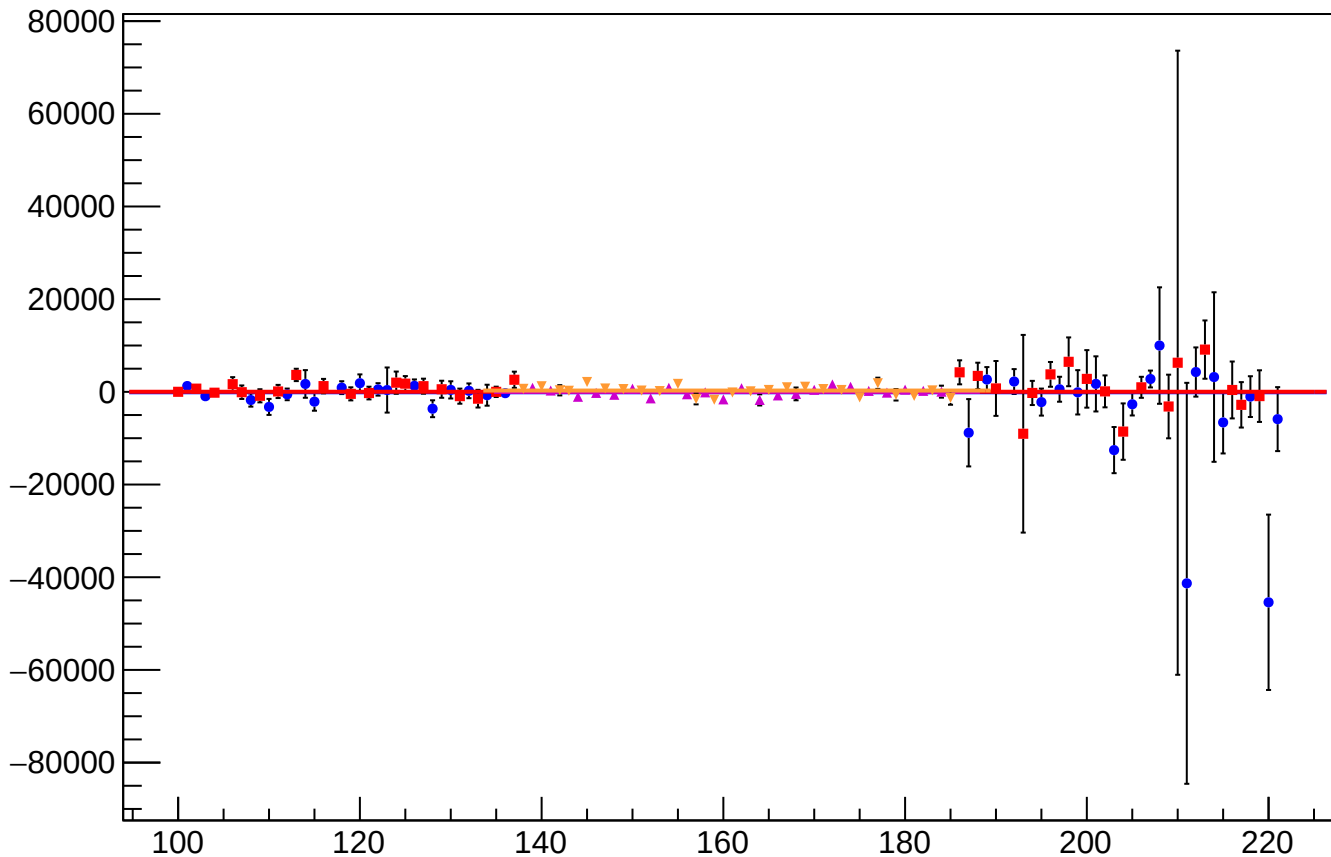
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF: 11276.8/22

+ sign 561.080 $\pm$ 0.079 χ^2 /NDF: 6703476.6/59

All: 559.577 $\pm$ 0.056 χ^2 /NDF: 13328374.1/11

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

asym_right_dd_correction_mean vs Slug



Right In: -90.050 ± 307.790 χ^2/NDF : 40.5/34

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

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

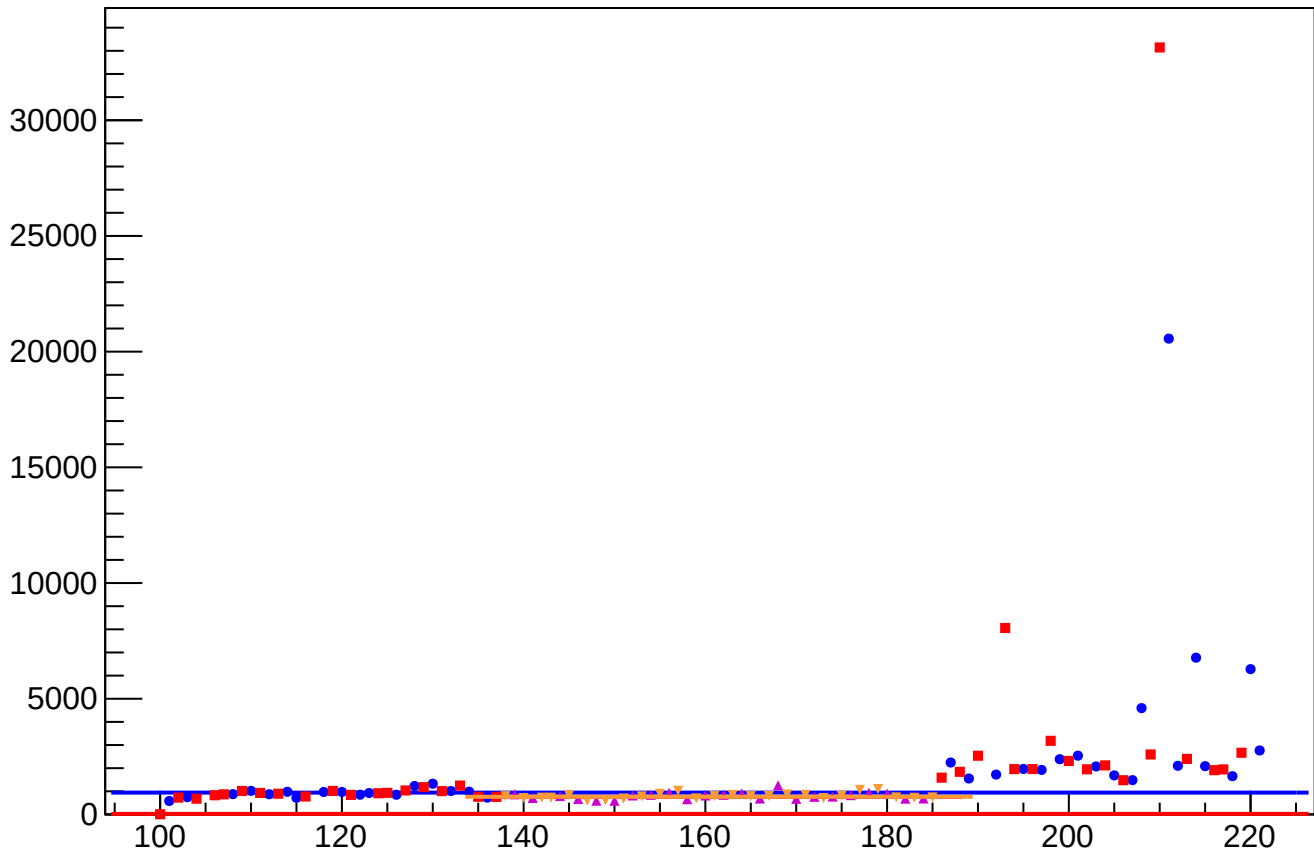
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 186.363 ± 155.687 χ^2/NDF : 68.4/59

All: 31.442 ± 36.985 χ^2/NDF : 118.3/118

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

asym_right_dd_correction_rms vs Slug



Right In: 944.244 $\pm$ 0.218 χ^2 /NDF: 3822033.2/34

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

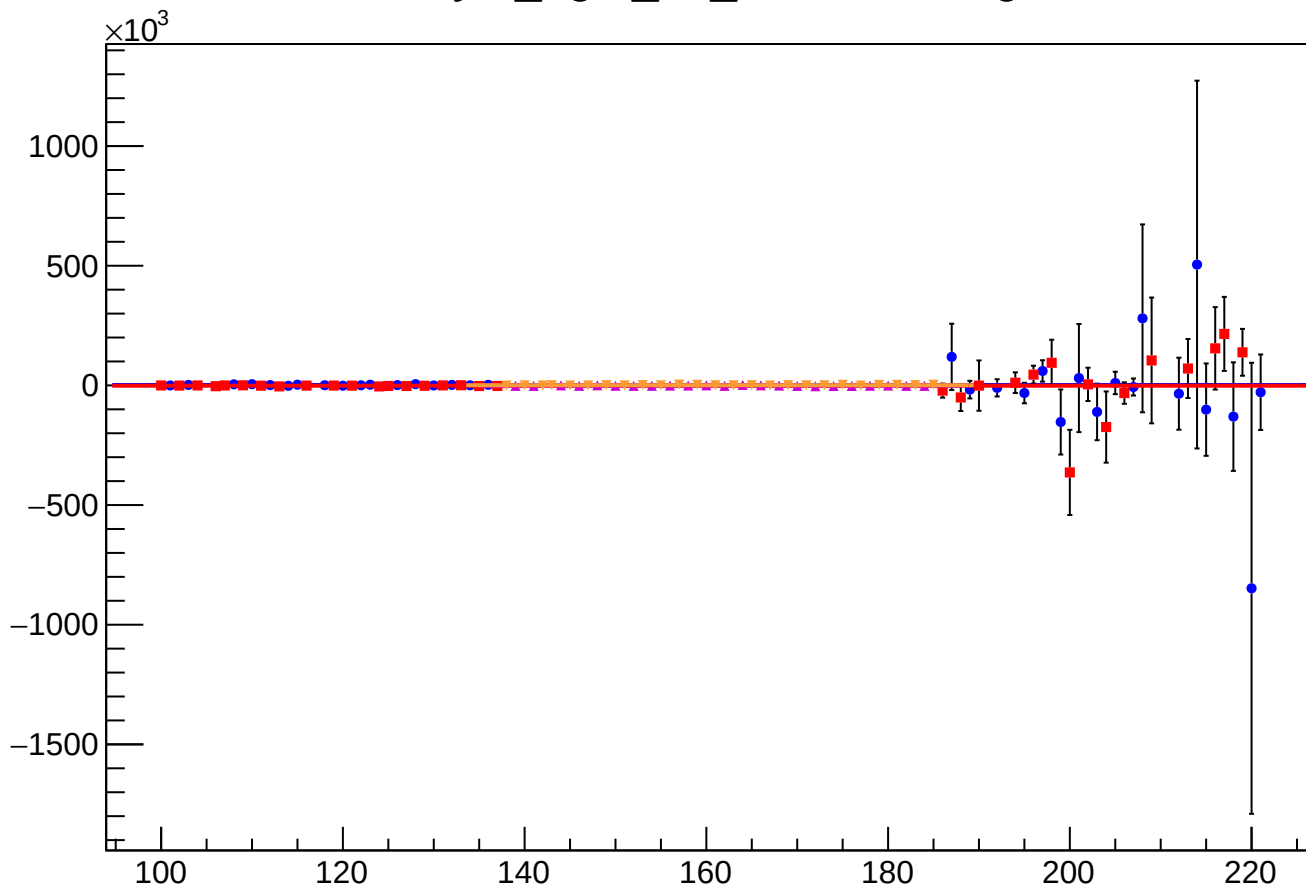
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 809.601 $\pm$ 0.110 χ^2 /NDF: 5090089.8/59

All: 98.904 $\pm$ 0.026 χ^2 /NDF: 102993679.3/11

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

asym_right_dd_mean vs Slug



Right In: 1514.490 $\pm$ 402.755 χ^2 /NDF: 26.0/33

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

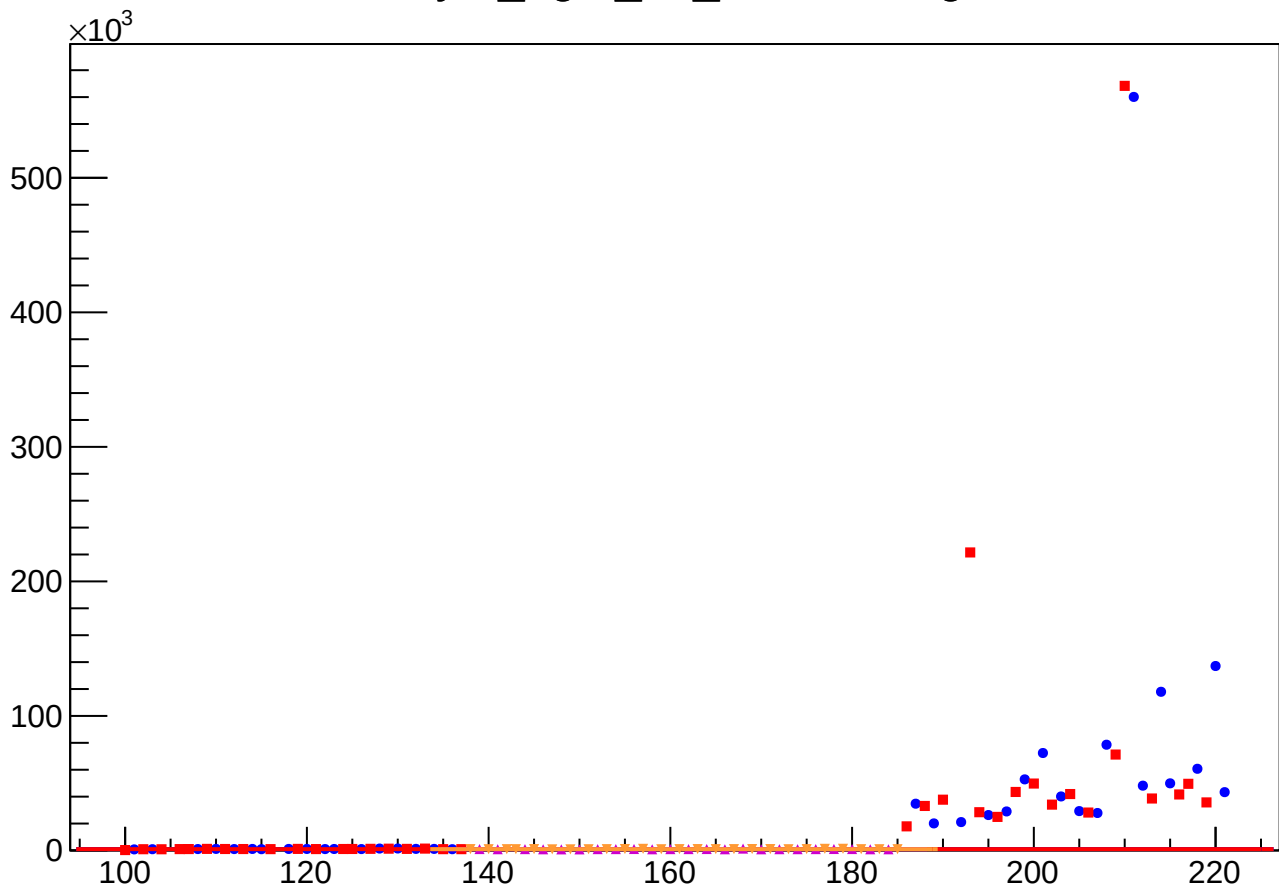
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

+ sign 927.190 $\pm$ 196.864 χ^2 /NDF: 49.0/58

All: -141.808 $\pm$ 139.049 χ^2 /NDF: 159.7/115

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

asym_right_dd_rms vs Slug



Right In: 1040.438 $\pm$ 0.285 χ^2/NDF : 6806958.4/34

Left Out: 962.776 $\pm$ 0.160 χ^2/NDF : 362837.8/24

Right Out: 979.238 $\pm$ 0.266 χ^2/NDF : 7377932.1/35

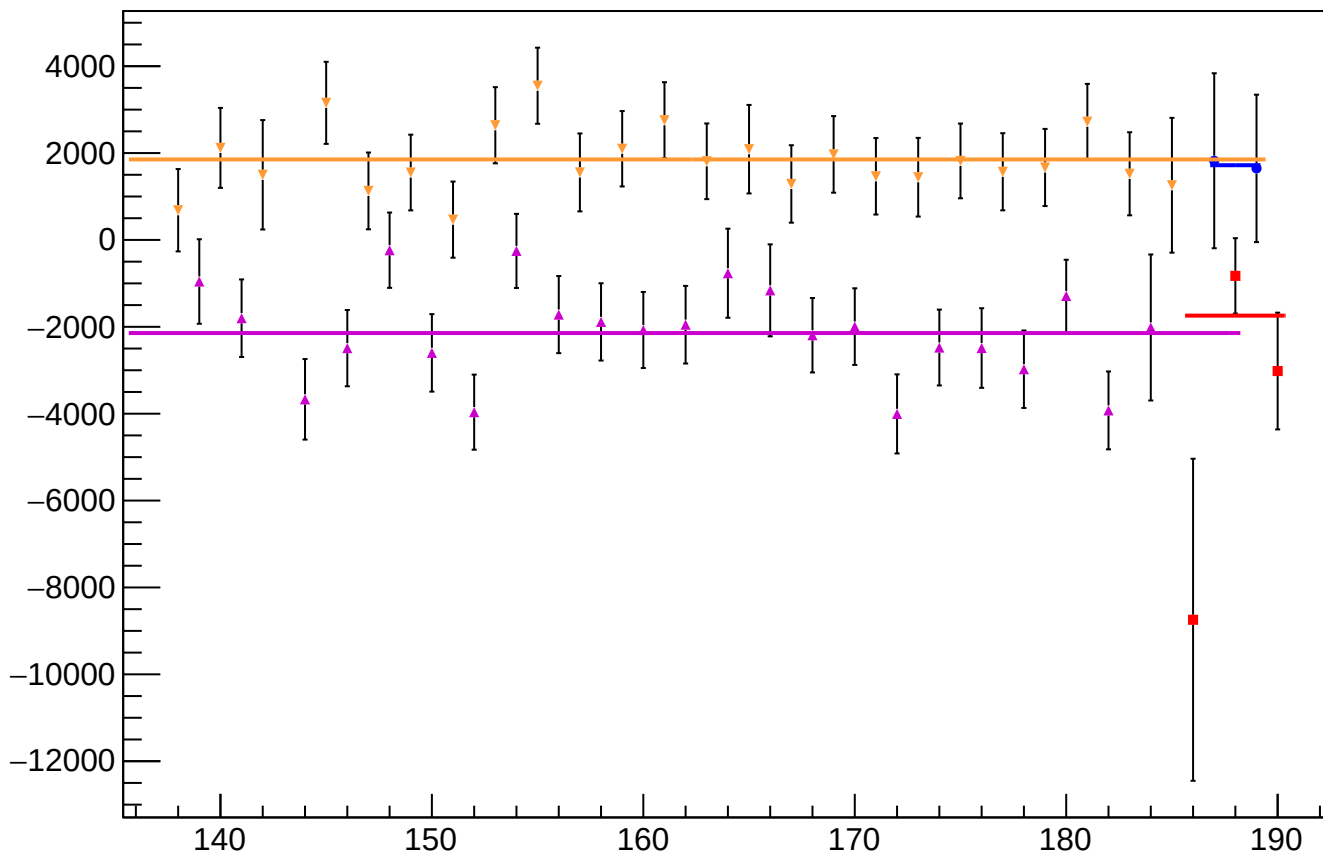
Left In: 955.331 $\pm$ 0.163 χ^2/NDF : 443068.5/22

+ sign 981.331 $\pm$ 0.139 χ^2/NDF : 7226393.3/59

All: 971.562 $\pm$ 0.098 χ^2/NDF : 15063091.1/11

- sign 961.835 $\pm$ 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

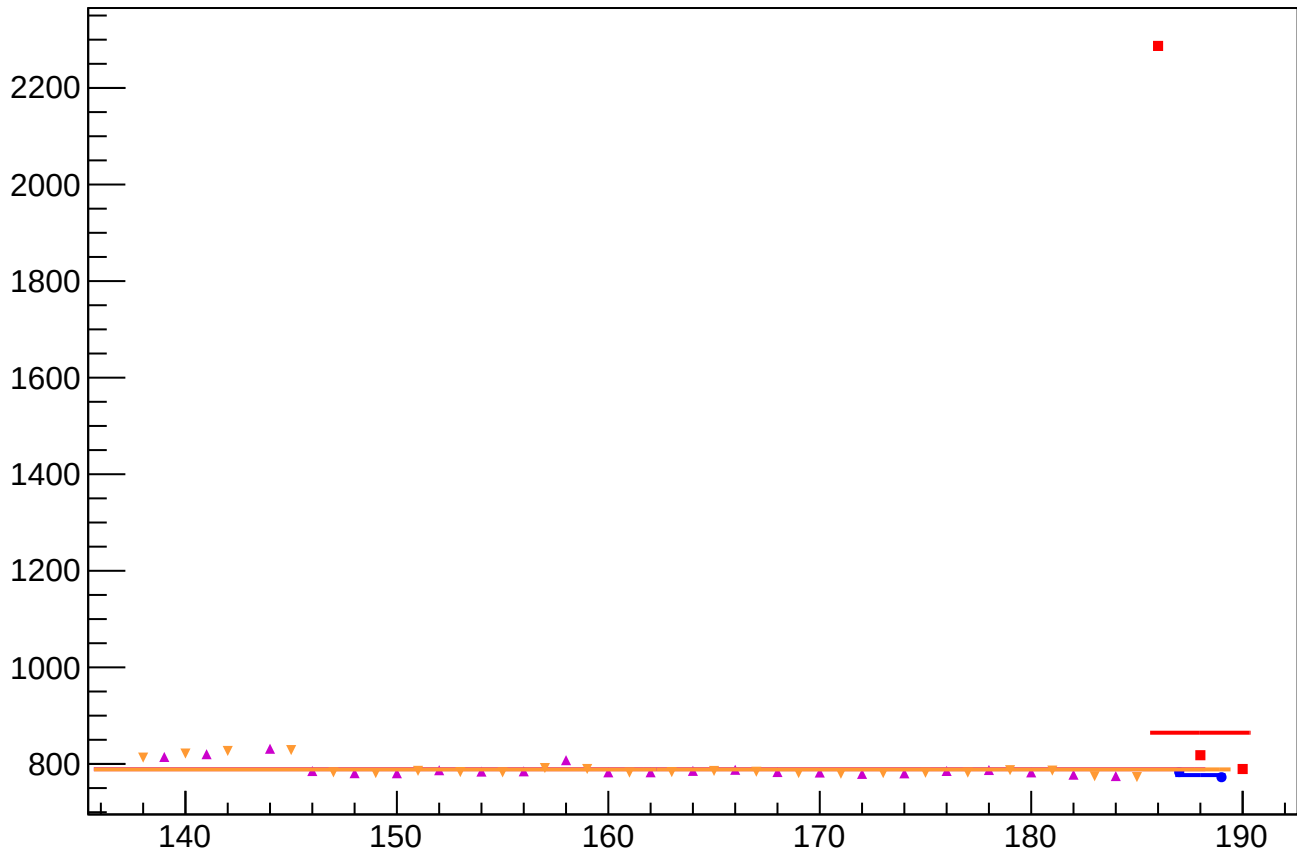
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

+ 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 $\pm$ 0.918 χ^2 /NDF: 32.5/1

Left Out: 788.658 $\pm$ 0.133 χ^2 /NDF: 11499.7/23

Right Out: 864.658 $\pm$ 0.506 χ^2 /NDF: 306489.7/2

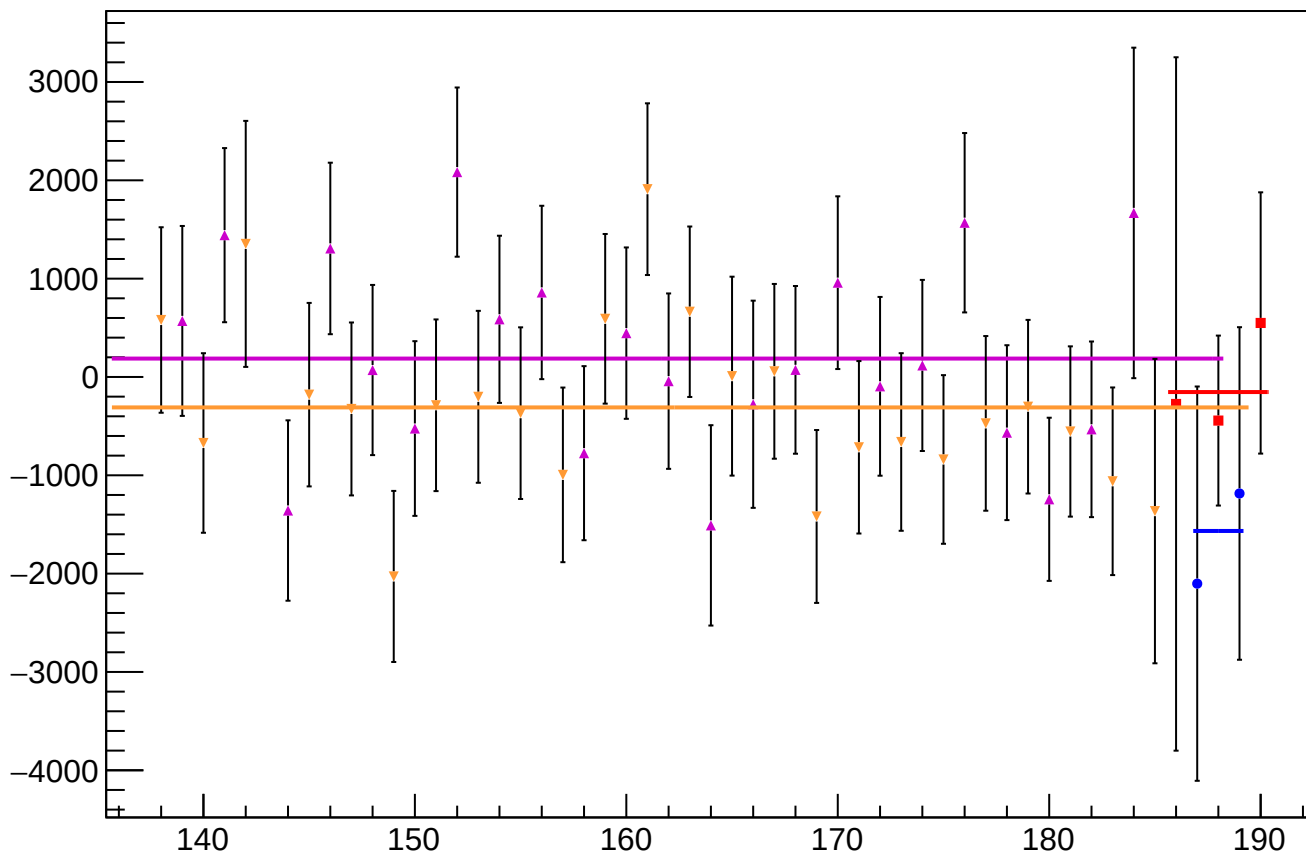
Left In: 789.176 $\pm$ 0.134 χ^2 /NDF: 10860.4/22

+ sign 788.418 $\pm$ 0.131 χ^2 /NDF: 11693.3/25

All: 791.315 $\pm$ 0.092 χ^2 /NDF: 350812.6/51

- sign 794.158 $\pm$ 0.130 χ^2 /NDF: 338152.4/25

cor_asym_us_dd_mean vs Slug



Right In: -1566.105 ± 1292.689 $\chi^2/\text{NDF}: 0.1/1$

Left Out: -309.656 ± 186.542 $\chi^2/\text{NDF}: 20.0/23$

Right Out: -153.360 ± 709.634 $\chi^2/\text{NDF}: 0.4/2$

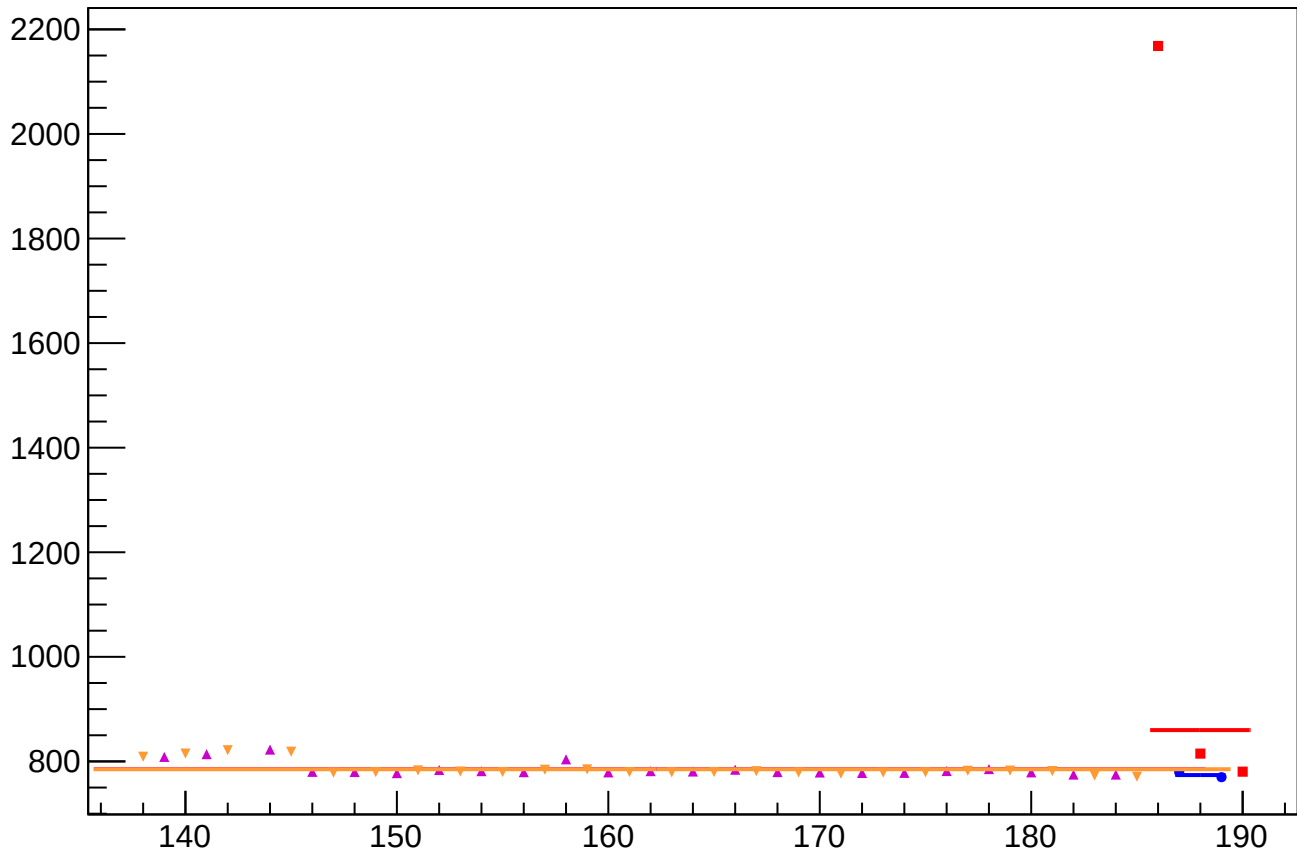
Left In: 187.105 ± 189.265 $\chi^2/\text{NDF}: 25.6/22$

+ sign -335.286 ± 184.630 $\chi^2/\text{NDF}: 21.0/25$

All: -83.007 ± 129.927 $\chi^2/\text{NDF}: 50.9/51$

- sign 164.494 ± 182.873 $\chi^2/\text{NDF}: 26.2/25$

cor_asym_us_dd_rms vs Slug



Right In: 773.922 ± 0.914 χ^2/NDF : 27.7/1

Left Out: 785.050 ± 0.132 χ^2/NDF : 9365.3/23

Right Out: 859.900 ± 0.502 χ^2/NDF : 287948.2/2

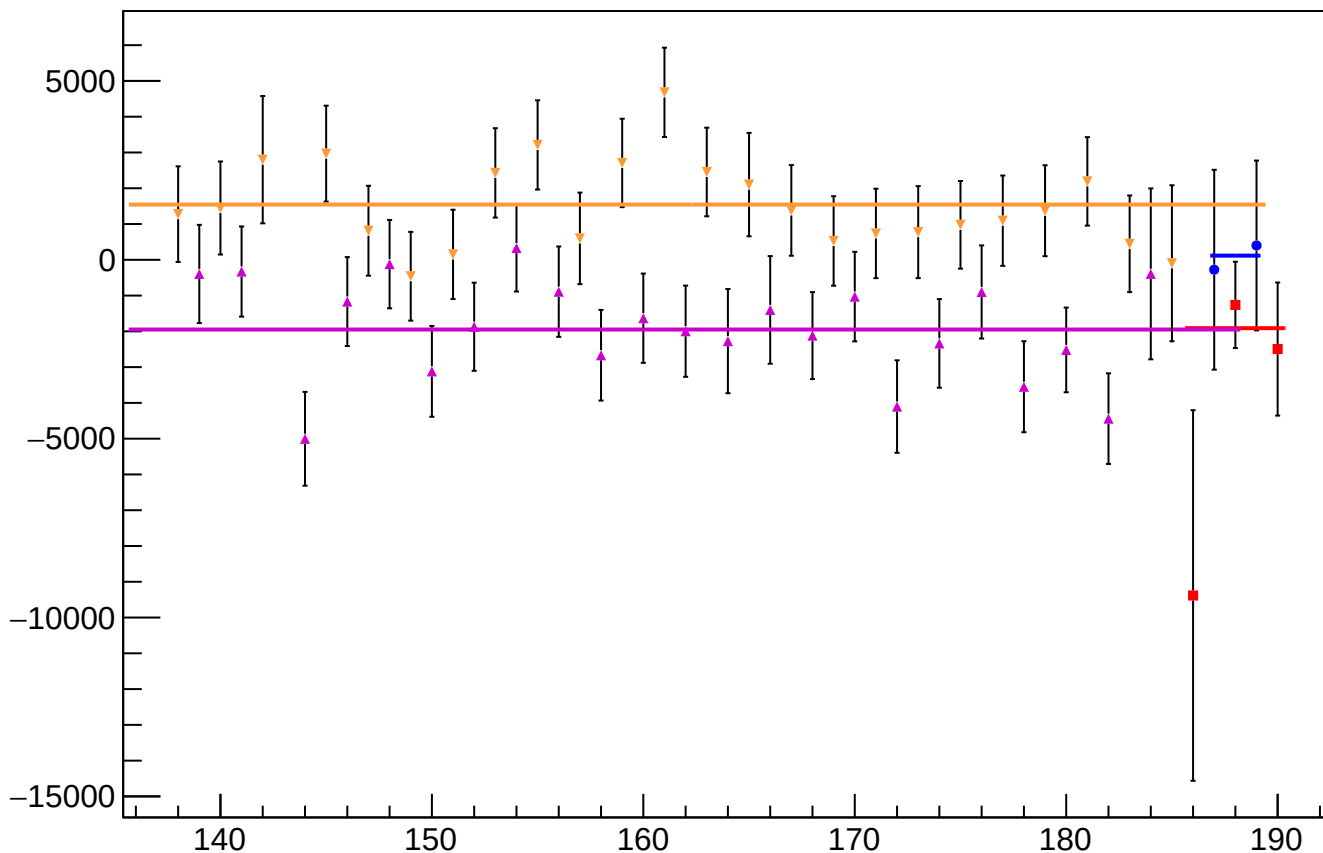
Left In: 785.562 ± 0.134 χ^2/NDF : 9033.0/22

+ sign 784.823 ± 0.131 χ^2/NDF : 9538.2/25

All: 787.688 ± 0.092 χ^2/NDF : 327963.5/51

- sign 790.499 ± 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

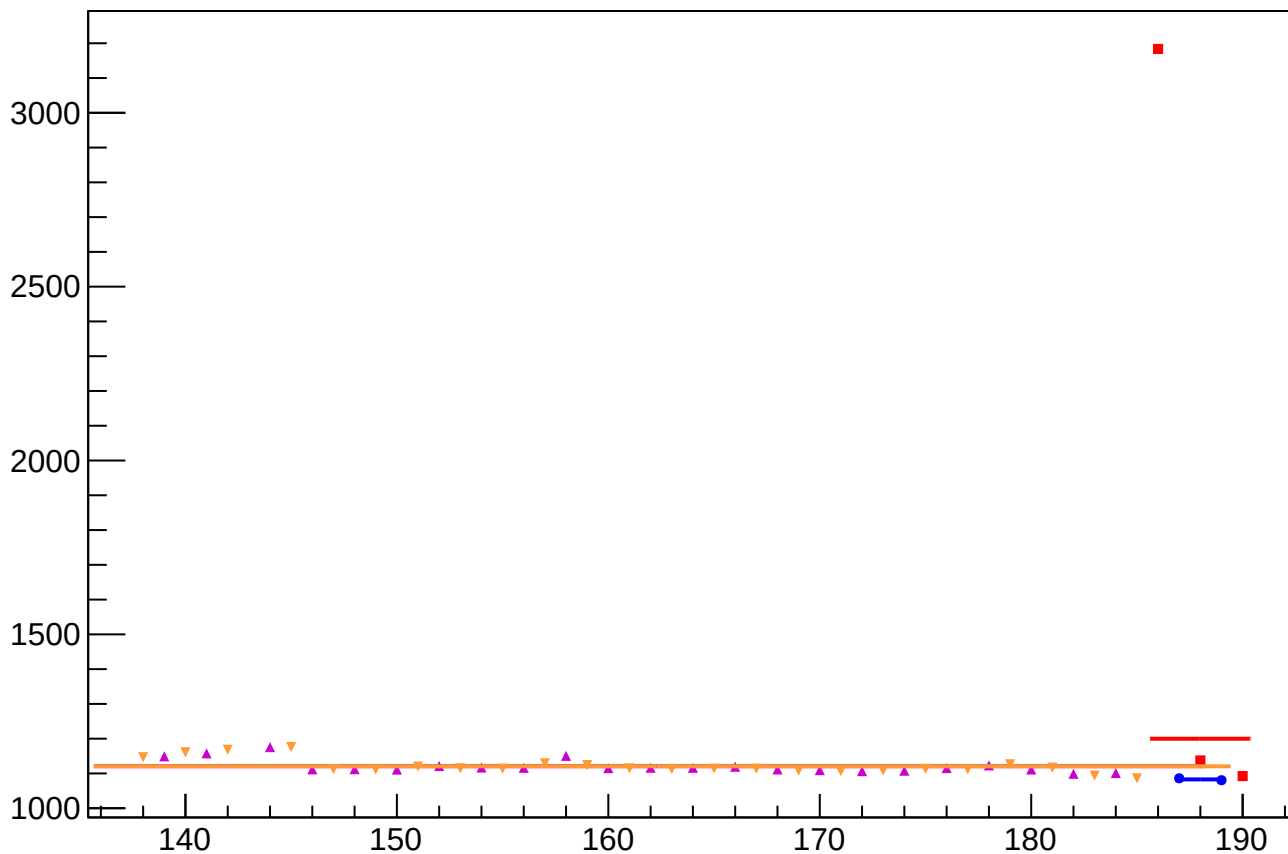
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ 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 $\pm$ 1.279 χ^2 /NDF: 4.6/1

Left Out: 1120.578 $\pm$ 0.188 χ^2 /NDF: 10264.0/23

Right Out: 1199.844 $\pm$ 0.702 χ^2 /NDF: 305356.1/2

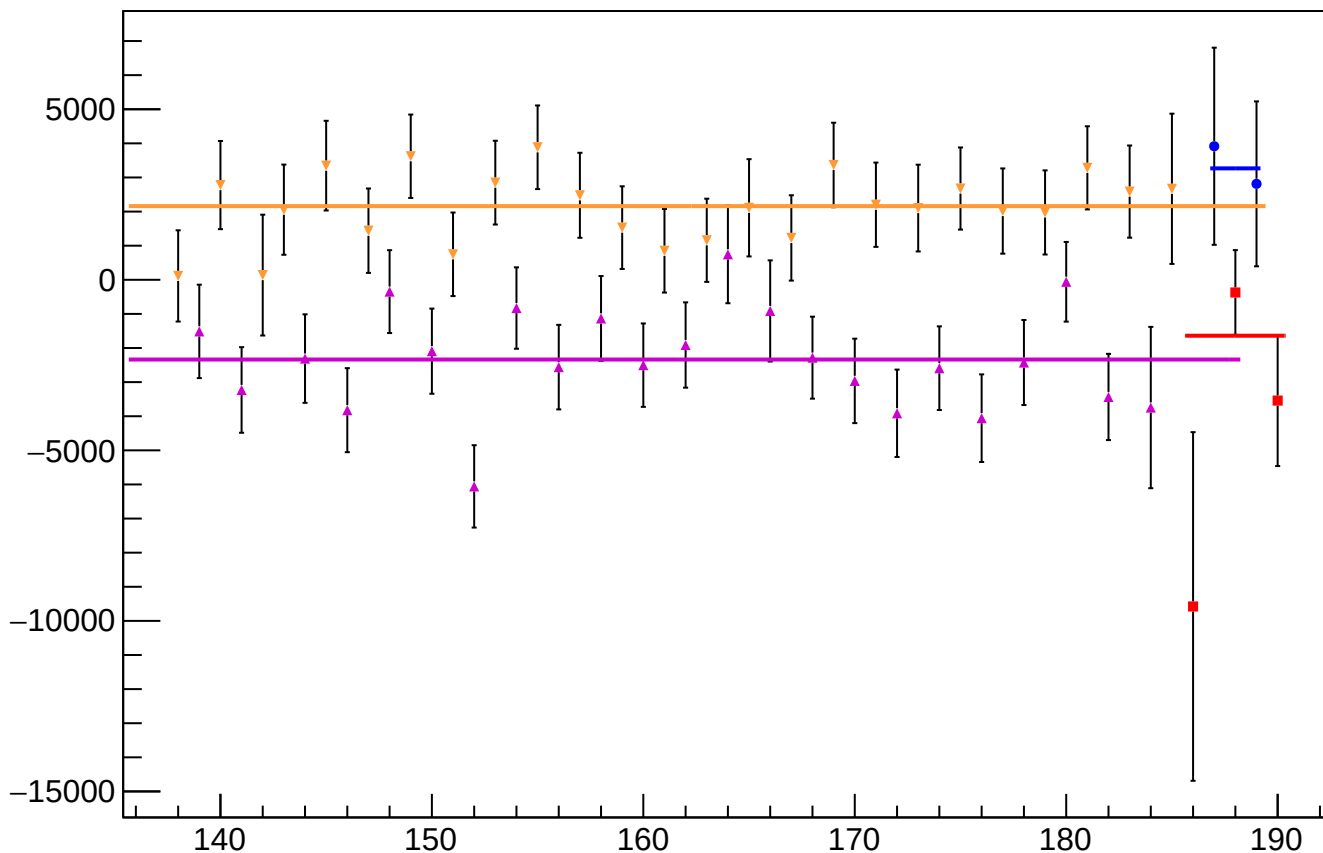
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

+ sign 1119.778 $\pm$ 0.186 χ^2 /NDF: 11119.7/25

All: 1123.129 $\pm$ 0.131 χ^2 /NDF: 338117.1/51

- sign 1126.407 $\pm$ 0.184 χ^2 /NDF: 326357.4/25

cor_asym_usr_mean vs Slug



Right In: 3266.922 $\pm$ 1854.338 χ^2 /NDF: 0.1/1

Left Out: 2159.879 $\pm$ 257.526 χ^2 /NDF:15.0/24

Right Out: -1639.449 $\pm$ 1022.123 χ^2 /NDF: 4.4/2

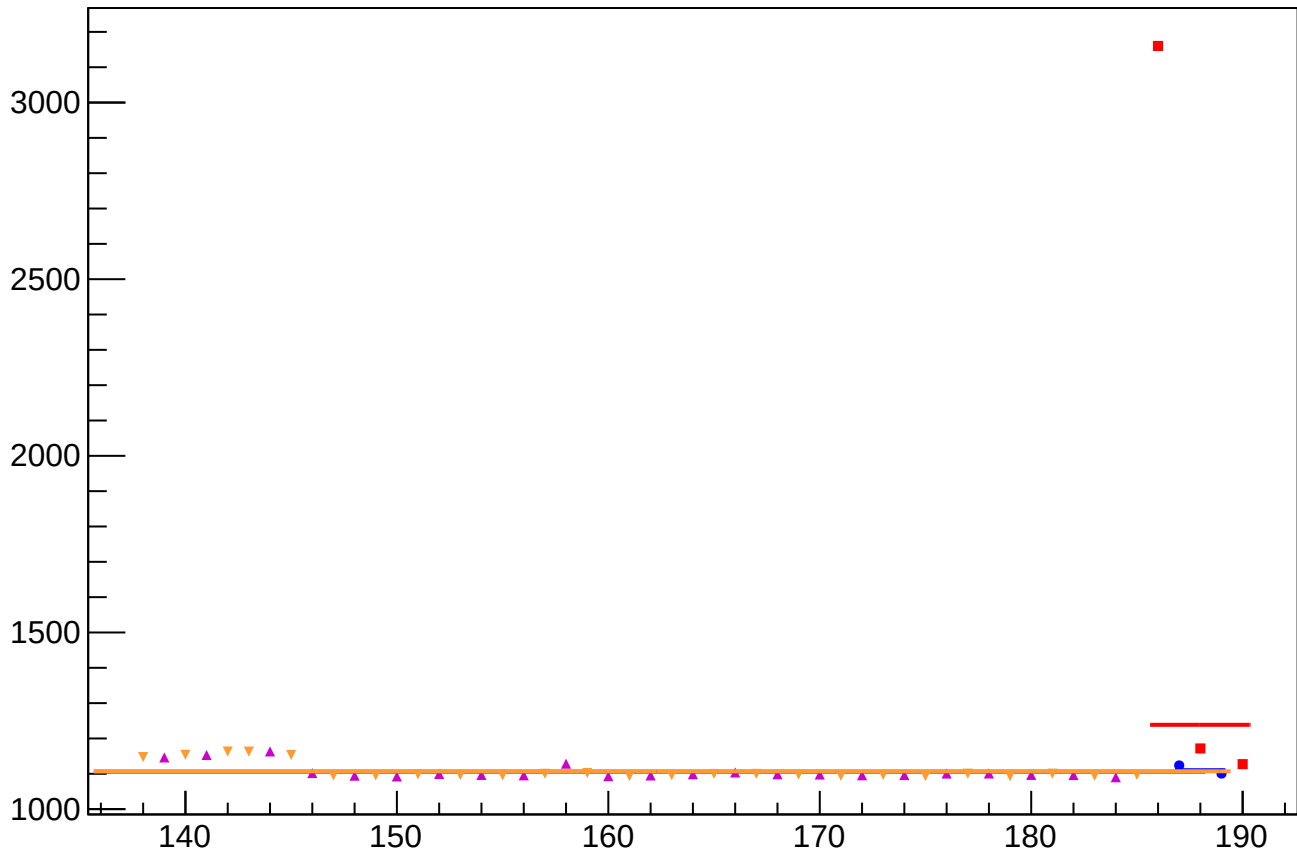
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

+ sign 2180.827 $\pm$ 255.078 χ^2 /NDF: 15.4/26

All: -31.822 $\pm$ 181.339 χ^2 /NDF: 203.7/52

- sign -2292.825 $\pm$ 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

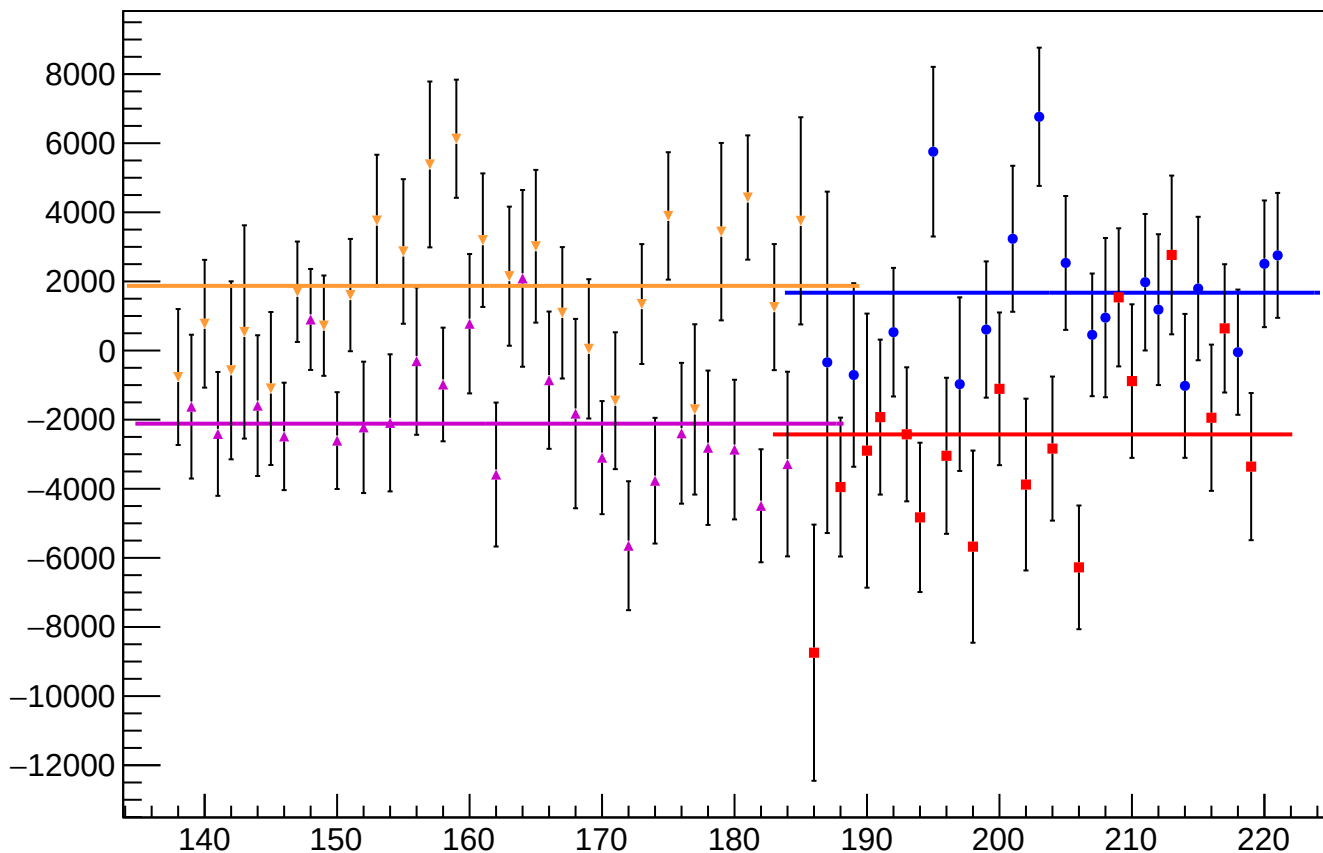
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

+ 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: 1673.212 $\pm$ 491.667 χ^2 /NDF: 16.5/17

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

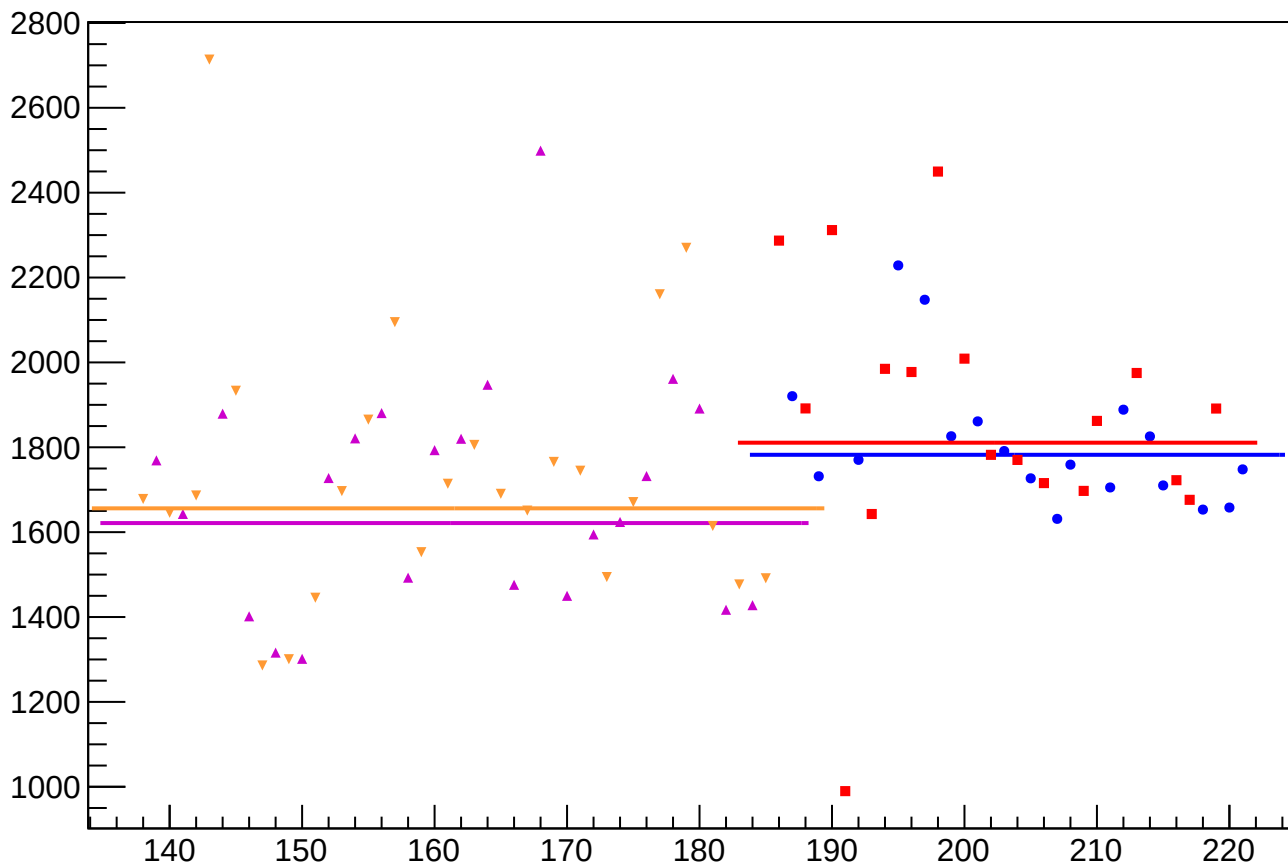
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1794.600 $\pm$ 306.354 χ^2 /NDF: 42.7/42

All: -168.086 $\pm$ 219.245 χ^2 /NDF: 170.0/83

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

asym_us_agg_avg_rms vs Slug



Right In: 1782.290+/-0.348 χ^2/NDF : 162024.3/17

Left Out: 1656.119+/-0.277 χ^2/NDF : 910573.4/24

Right Out: 1810.812+/-0.369 χ^2/NDF : 538153.9/17

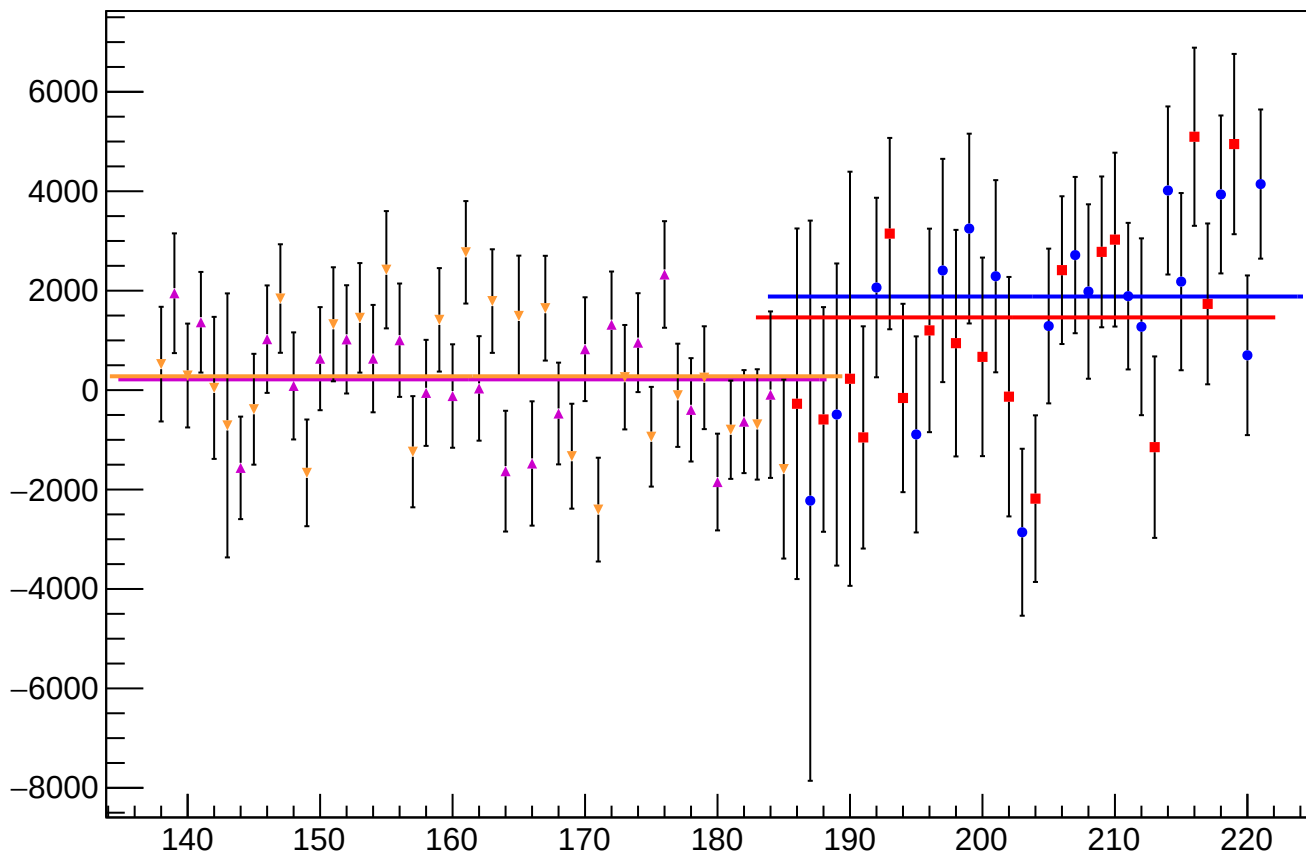
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1705.105+/-0.217 χ^2/NDF : 1153169.5/42

All: 1697.727+/-0.155 χ^2/NDF : 2637171.1/83

- sign 1689.982+/-0.222 χ^2/NDF : 1481624.1/40

asym_us_agg_dd_mean vs Slug



Right In: 1882.569+/-422.167 χ^2/NDF : 18.4/17

Left Out: 278.090+/-223.581 χ^2/NDF : 38.4/24

Right Out: 1462.724+/-456.162 χ^2/NDF : 21.1/17

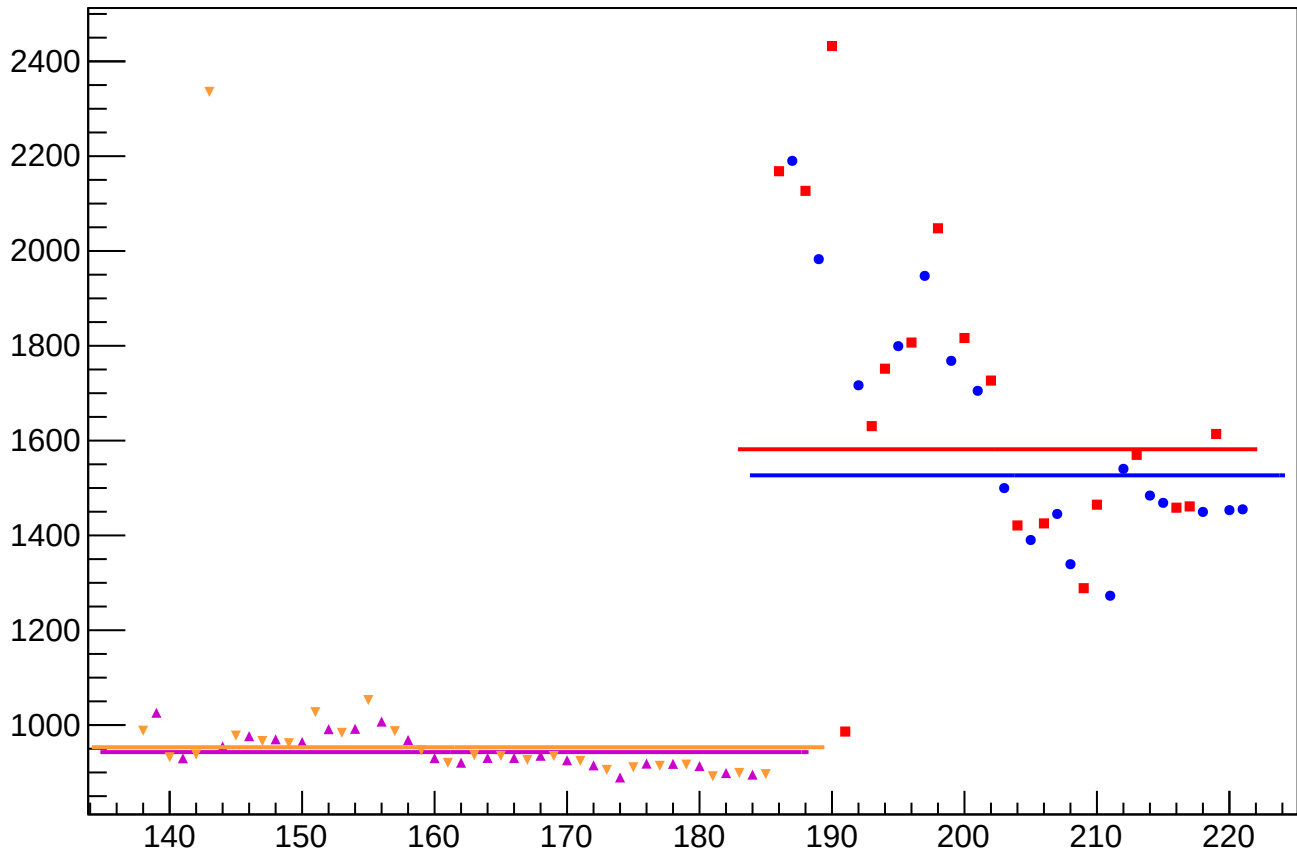
Left In: 216.121+/-225.600 χ^2/NDF : 24.4/22

+ sign 629.538+/-197.582 χ^2/NDF : 68.0/42

All: 547.277+/-141.323 χ^2/NDF : 119.9/83

- sign 461.107+/-202.221 χ^2/NDF : 51.5/40

asym_us_agg_dd_rms vs Slug



Right In: 1526.694 $\pm$ 0.299 χ^2 /NDF: 372806.7/17

Left Out: 953.221 $\pm$ 0.158 χ^2 /NDF: 606273.1/24

Right Out: 1581.716 $\pm$ 0.323 χ^2 /NDF: 702583.6/17

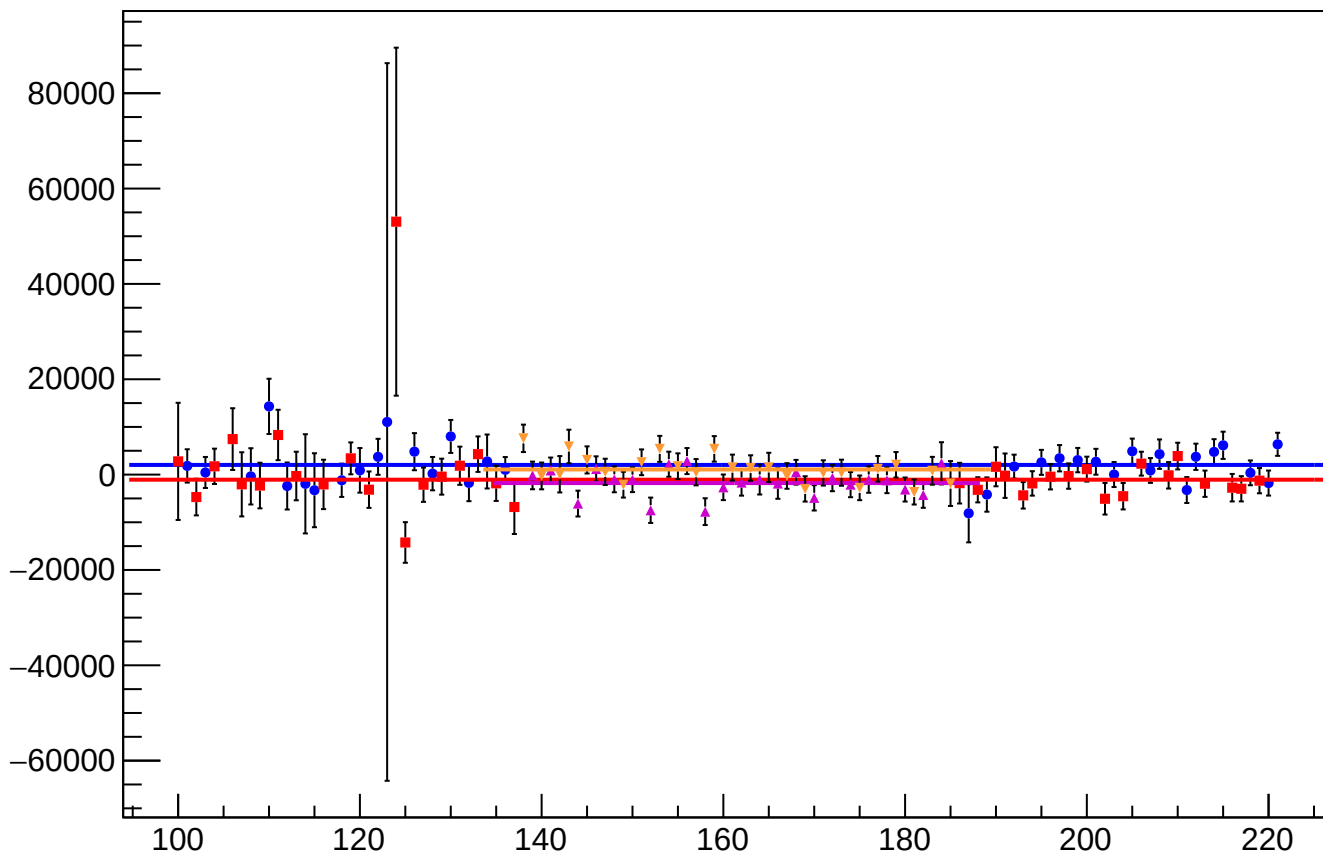
Left In: 942.927 $\pm$ 0.160 χ^2 /NDF: 48402.9/22

+ sign 1078.836 $\pm$ 0.140 χ^2 /NDF: 3861211.0/42

All: 1073.770 $\pm$ 0.100 χ^2 /NDF: 7766115.5/83

- sign 1068.463 $\pm$ 0.143 χ^2 /NDF: 3902212.7/40

reg_asym_atl1_mean vs Slug



Right In: 2030.286 ± 547.660 χ^2/NDF : 34.1/34

Left Out: 1078.054 ± 564.005 χ^2/NDF : 23.6/24

Right Out: -1067.843 ± 564.459 χ^2/NDF : 36.7/36

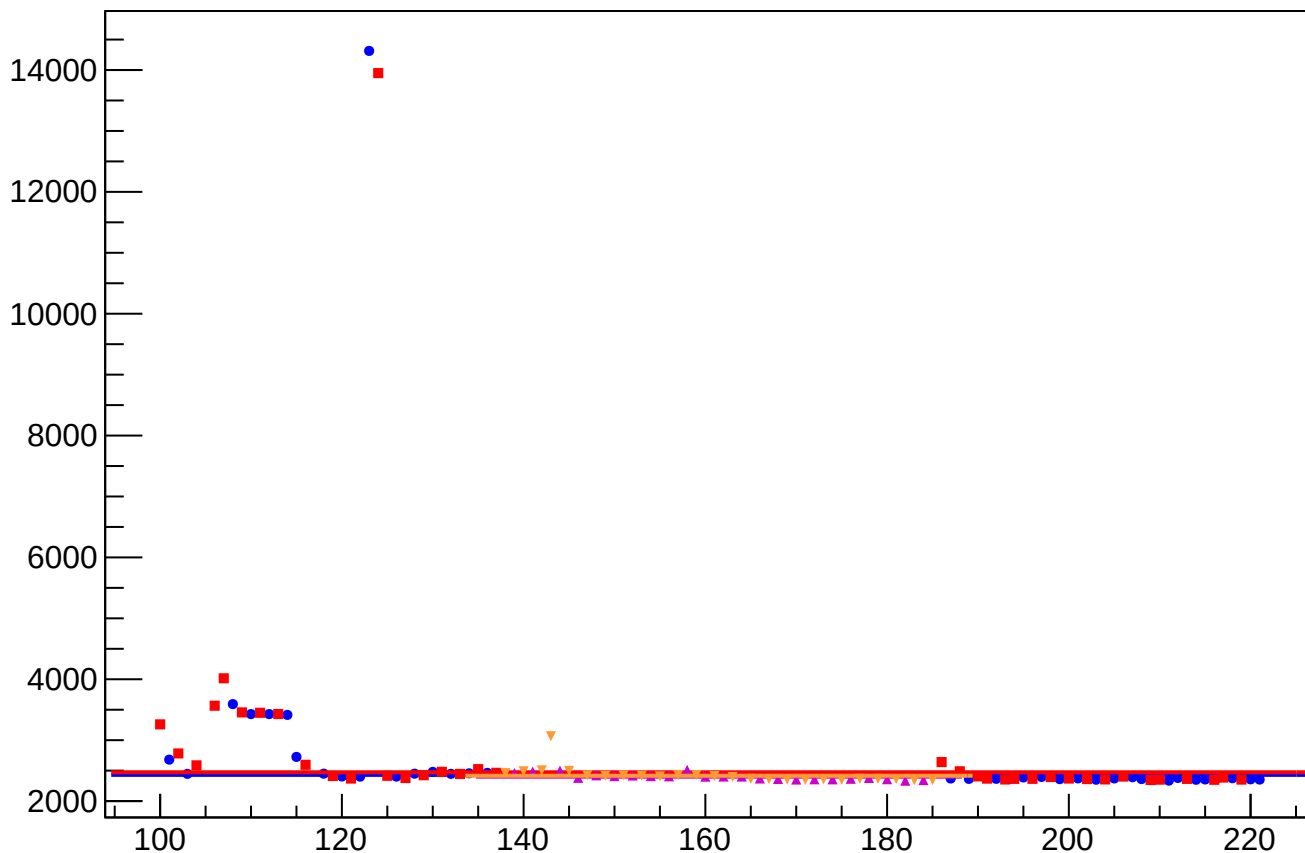
Left In: -1777.100 ± 575.895 χ^2/NDF : 24.1/22

+ sign 1568.168 ± 392.905 χ^2/NDF : 59.1/59

All: 114.665 ± 281.366 χ^2/NDF : 148.8/119

- sign -1415.360 ± 403.115 χ^2/NDF : 61.5/59

reg_asym_atl1_rms vs Slug



Right In: 2430.517 $\pm$ 0.387 χ^2 /NDF: 321405.3/34

Left Out: 2416.019 $\pm$ 0.399 χ^2 /NDF: 82636.1/24

Right Out: 2473.368 $\pm$ 0.399 χ^2 /NDF: 660086.1/36

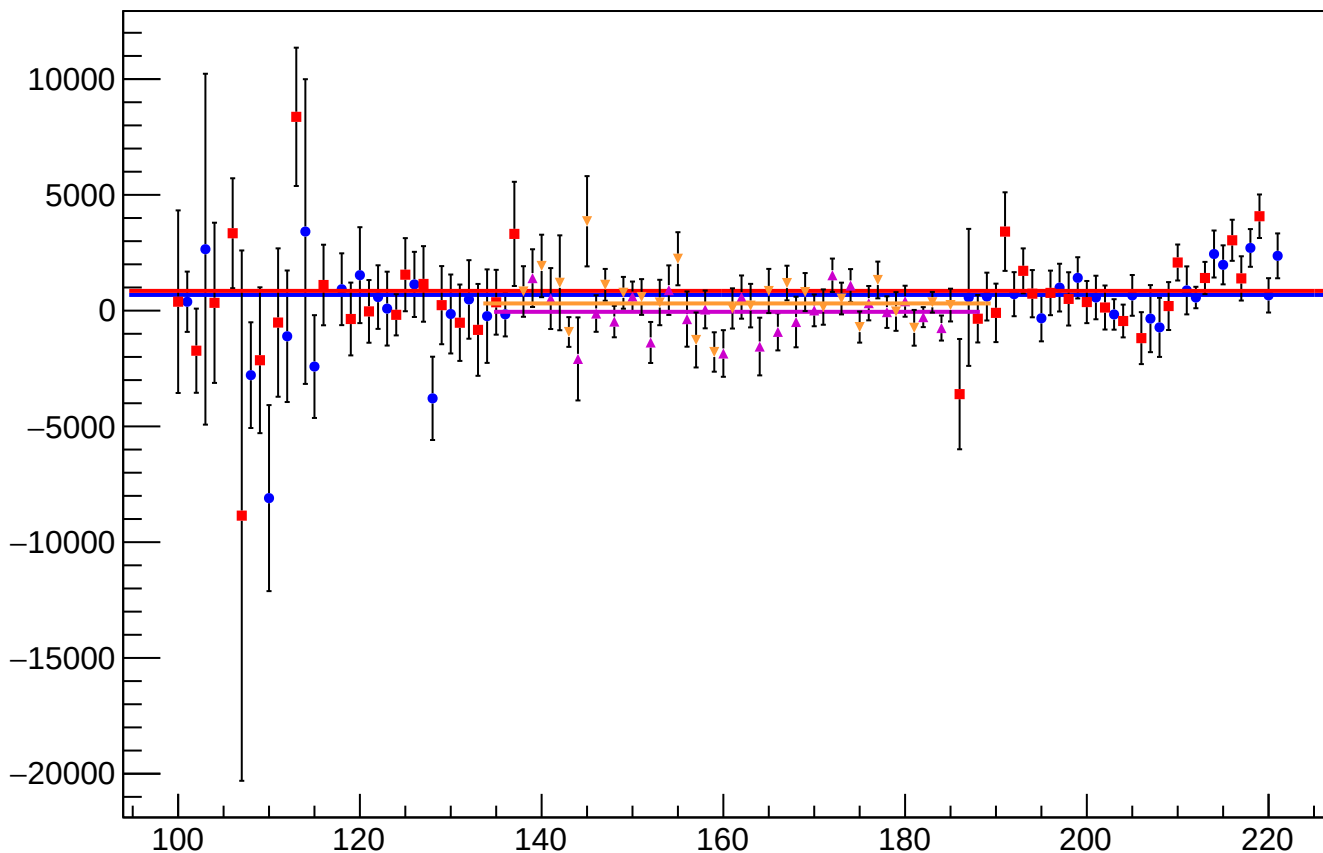
Left In: 2401.422 $\pm$ 0.407 χ^2 /NDF: 13747.6/22

+ sign 2423.482 $\pm$ 0.278 χ^2 /NDF: 404721.6/59

All: 2430.611 $\pm$ 0.199 χ^2 /NDF: 1095827.4/11

- sign 2438.116 $\pm$ 0.285 χ^2 /NDF: 689754.0/59

asym_atl1_correction_mean vs Slug



Right In: 678.149 $\pm$ 185.113 χ^2 /NDF: 37.5/34

Left Out: 310.873 $\pm$ 160.650 χ^2 /NDF:29.7/24

Right Out: 852.934 $\pm$ 199.353 χ^2 /NDF: 54.6/36

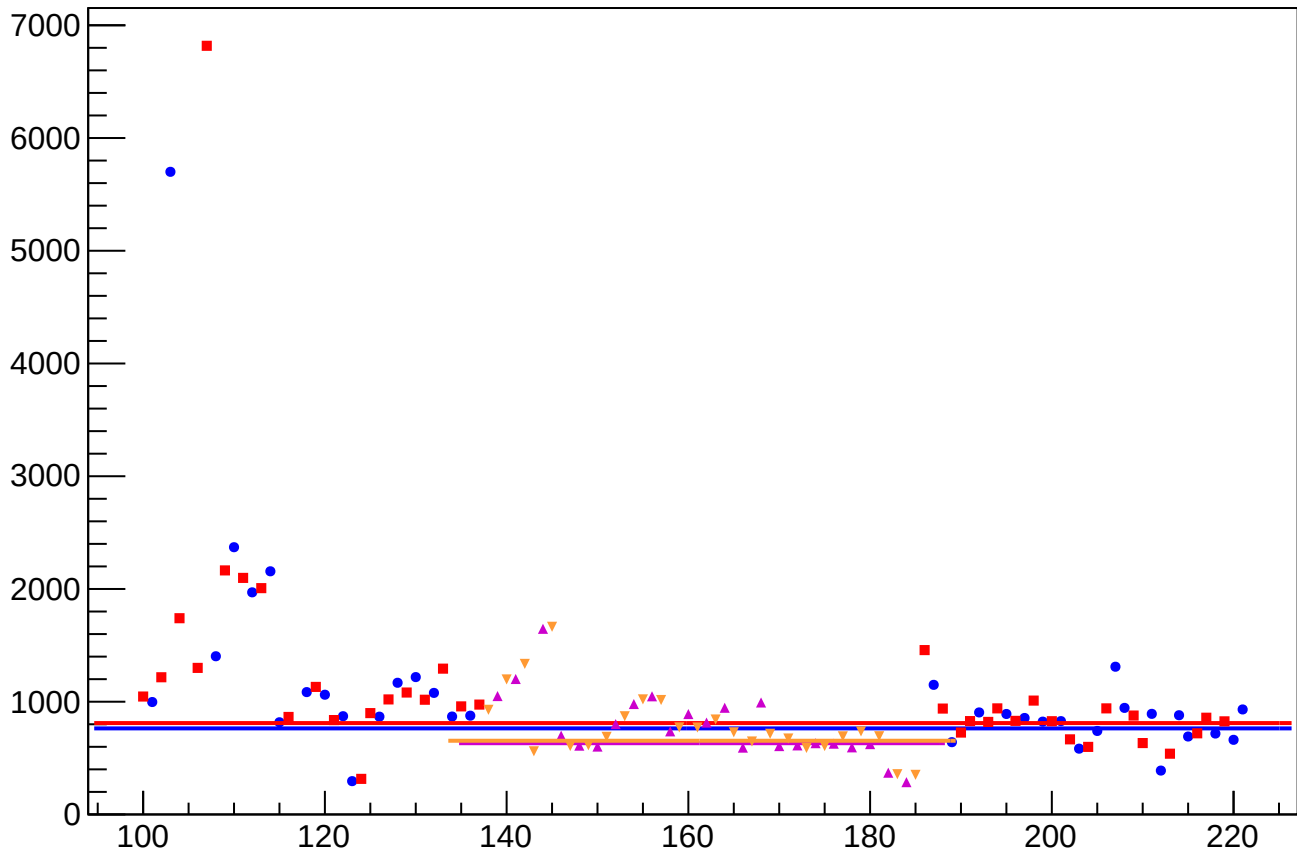
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF:23.8/22

+ sign 468.655 $\pm$ 121.331 χ^2 /NDF: 69.4/59

All: 390.893 $\pm$ 87.265 χ^2 /NDF: 161.2/119

- sign 307.558 $\pm$ 125.603 χ^2 /NDF: 90.9/59

asym_atl1_correction_rms vs Slug



Right In: 763.363 $\pm$ 0.131 χ^2 /NDF: 4644073.9/34

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

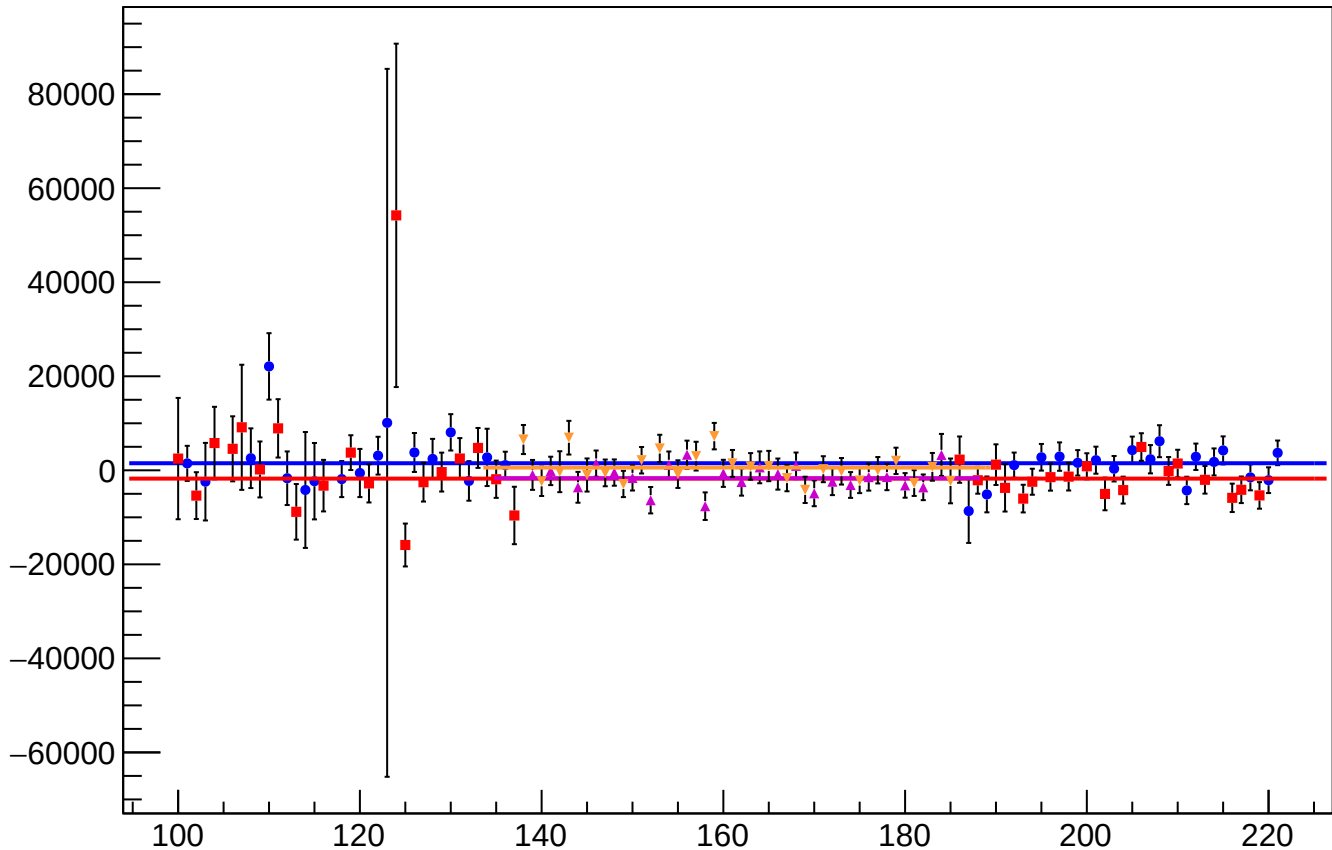
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 700.870 $\pm$ 0.086 χ^2 /NDF: 8298382.1/59

All: 701.852 $\pm$ 0.062 χ^2 /NDF: 17065809.0/11

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

asym_atl1_mean vs Slug



Right In: 1504.603 $\pm$ 597.138 χ^2 /NDF: 32.3/34

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

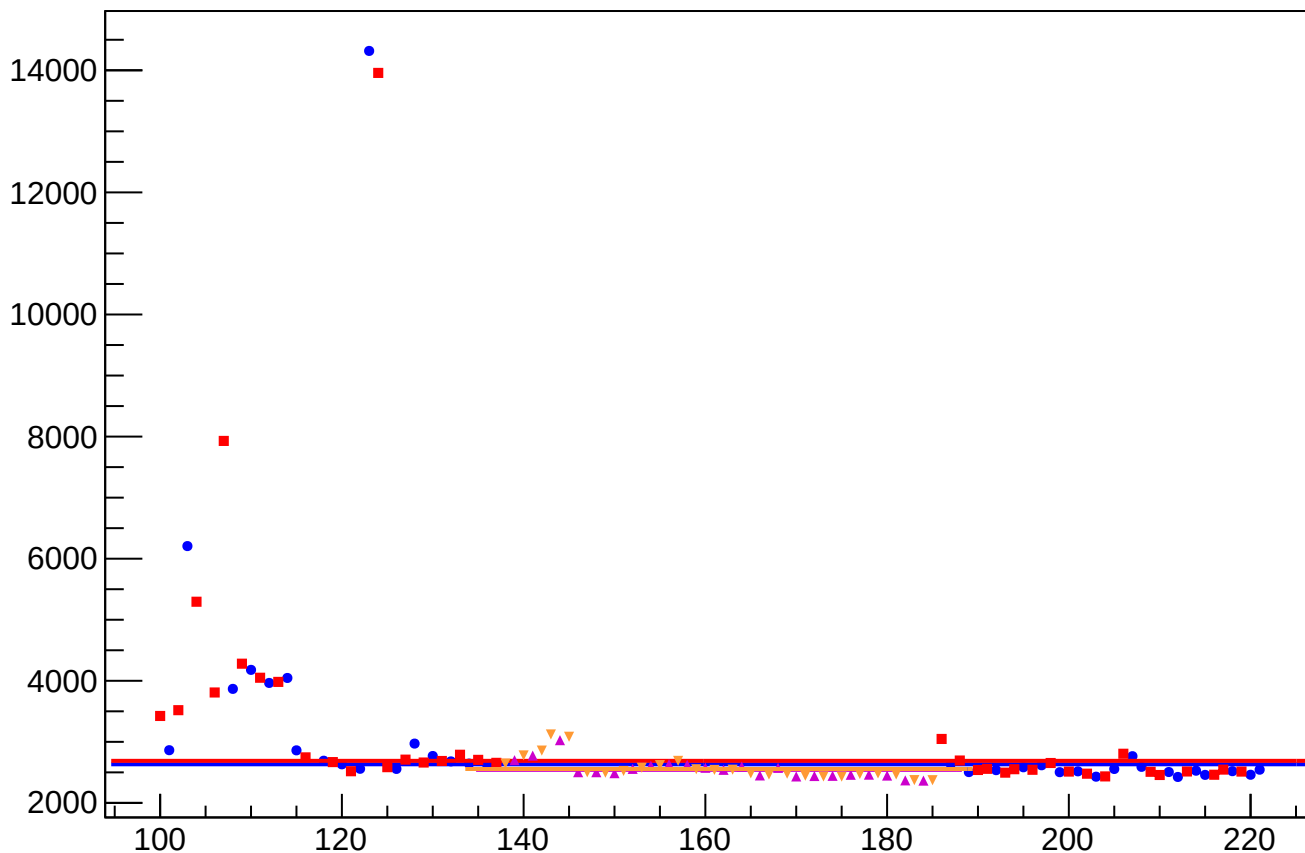
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 1042.768 $\pm$ 422.253 χ^2 /NDF: 58.8/59

All: -299.395 $\pm$ 302.922 χ^2 /NDF: 141.8/119

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

asym_atl1_rms vs Slug



Right In: 2632.182 $\pm$ 0.422 χ^2 /NDF: 824892.4/34

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

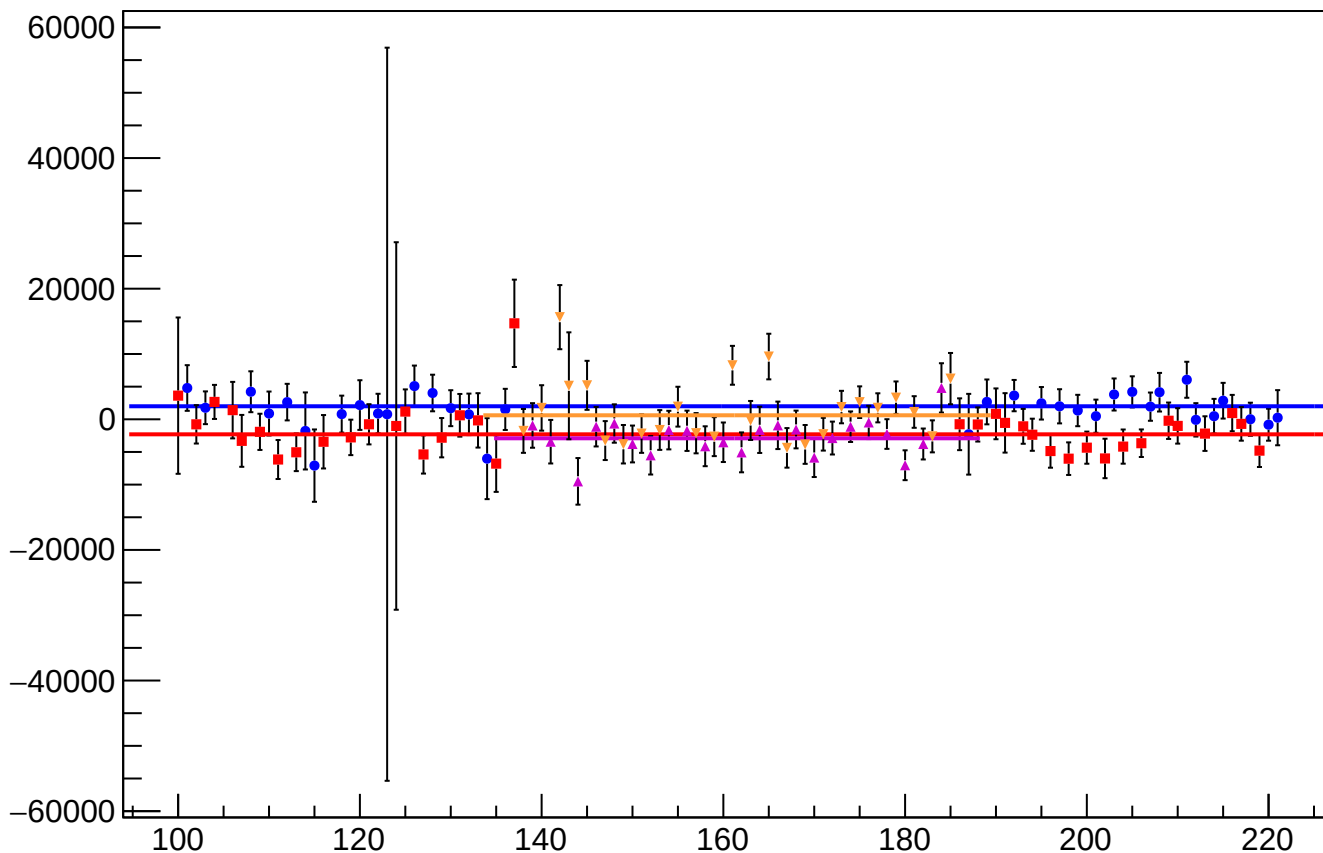
Left In: 2540.988 $\pm$ 0.431 χ^2 /NDF:94756.7/22

+ sign 2593.733 $\pm$ 0.299 χ^2 /NDF: 996220.6/59

All: 2603.468 $\pm$ 0.214 χ^2 /NDF: 2455066.6/11

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

reg_asym_atl2_mean vs Slug



Right In: 1995.931 $\pm$ 497.427 χ^2 /NDF: 16.8/34

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

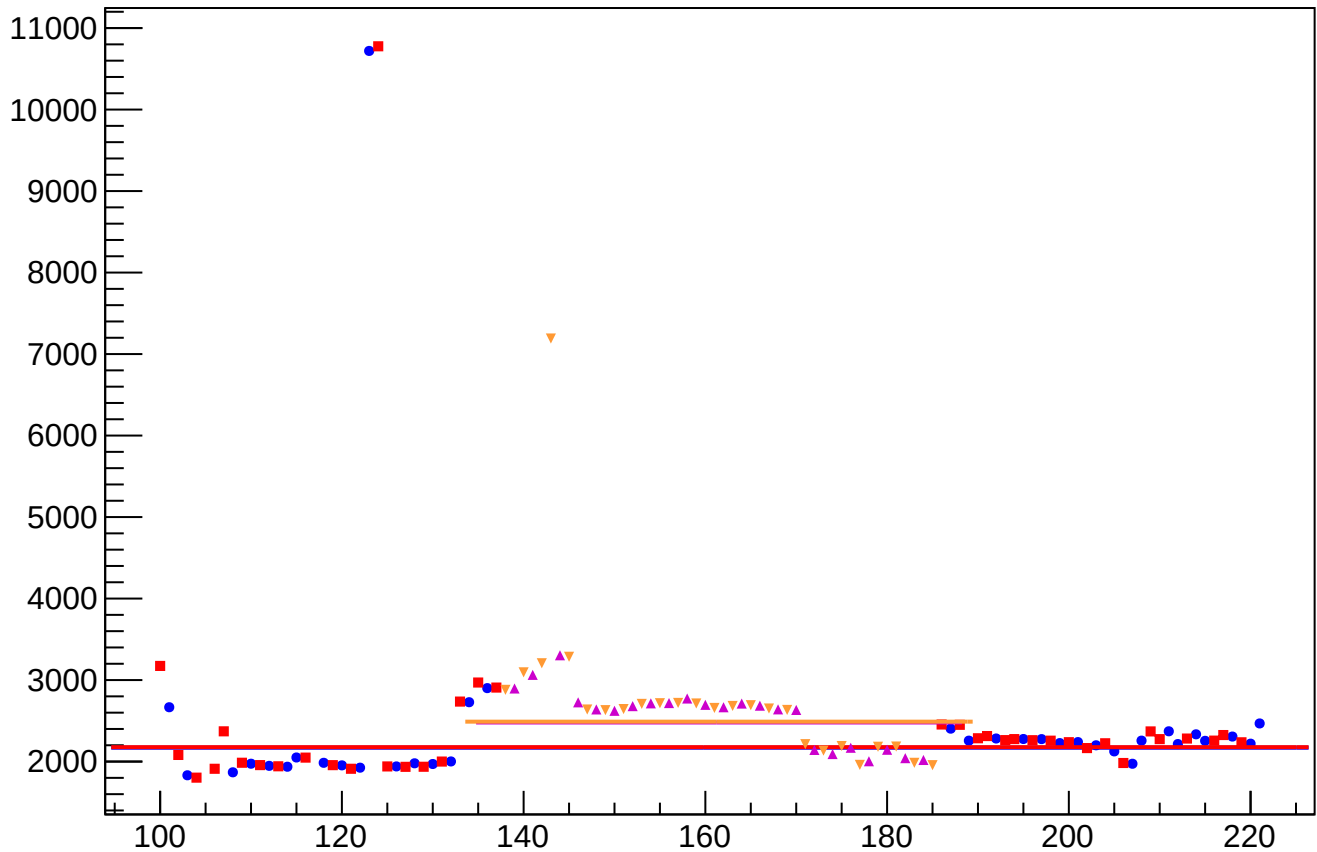
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF:17.4/22

+ sign 1423.427 $\pm$ 380.608 χ^2 /NDF: 65.2/59

All: -549.068 $\pm$ 270.044 χ^2 /NDF: 167.3/119

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

reg_asym_atl2_rms vs Slug



Right In: 2170.092+/-0.352 χ^2/NDF : 428567.7/34

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

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

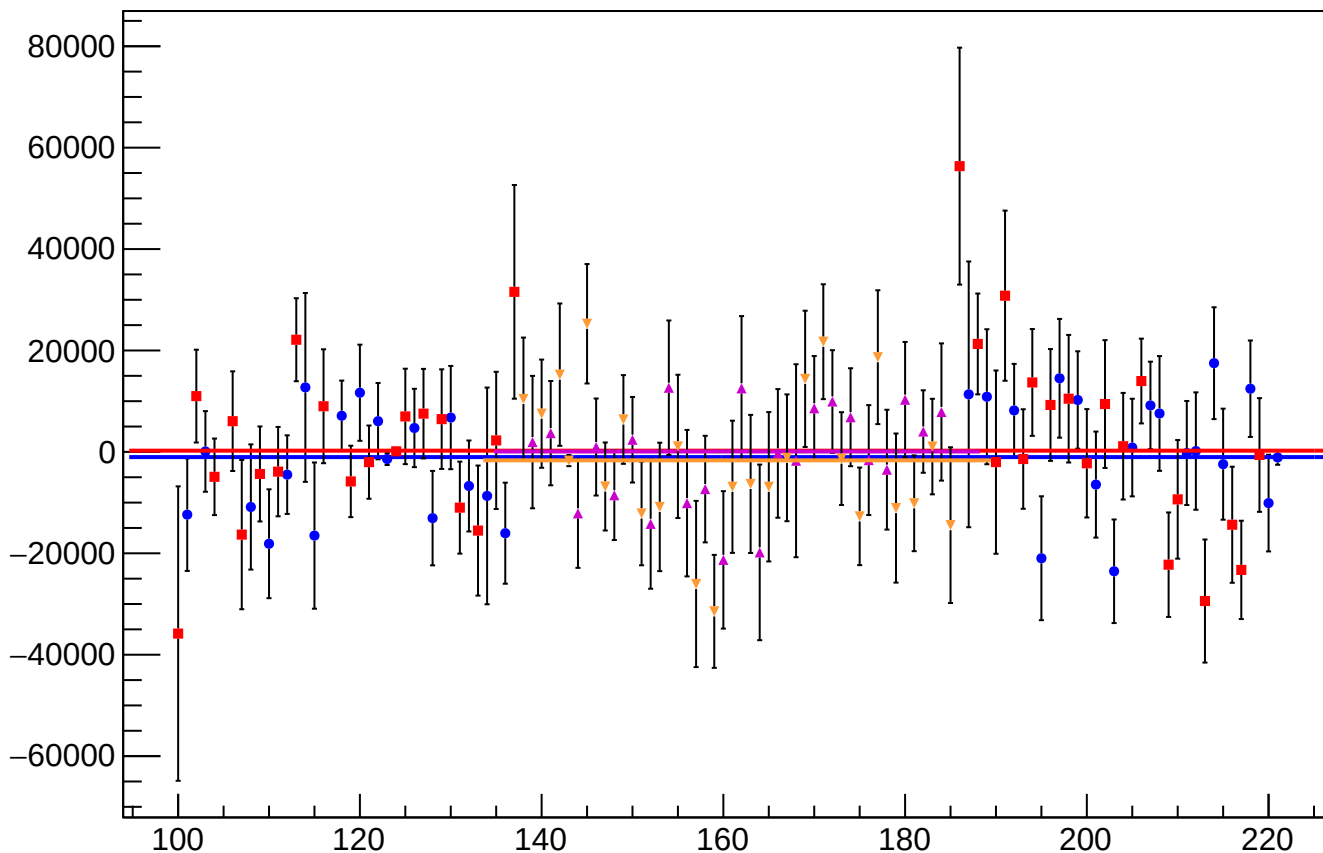
Left In: 2479.348+/-0.424 χ^2/NDF : 668398.2/22

+ sign 2302.530+/-0.269 χ^2/NDF : 2134778.9/59

All: 2301.383+/-0.191 χ^2/NDF : 3682555.2/11

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

asym_atl2_correction_mean vs Slug



Right In: -1025.665 $\pm$ 807.854 χ^2 /NDF: 36.6/34

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

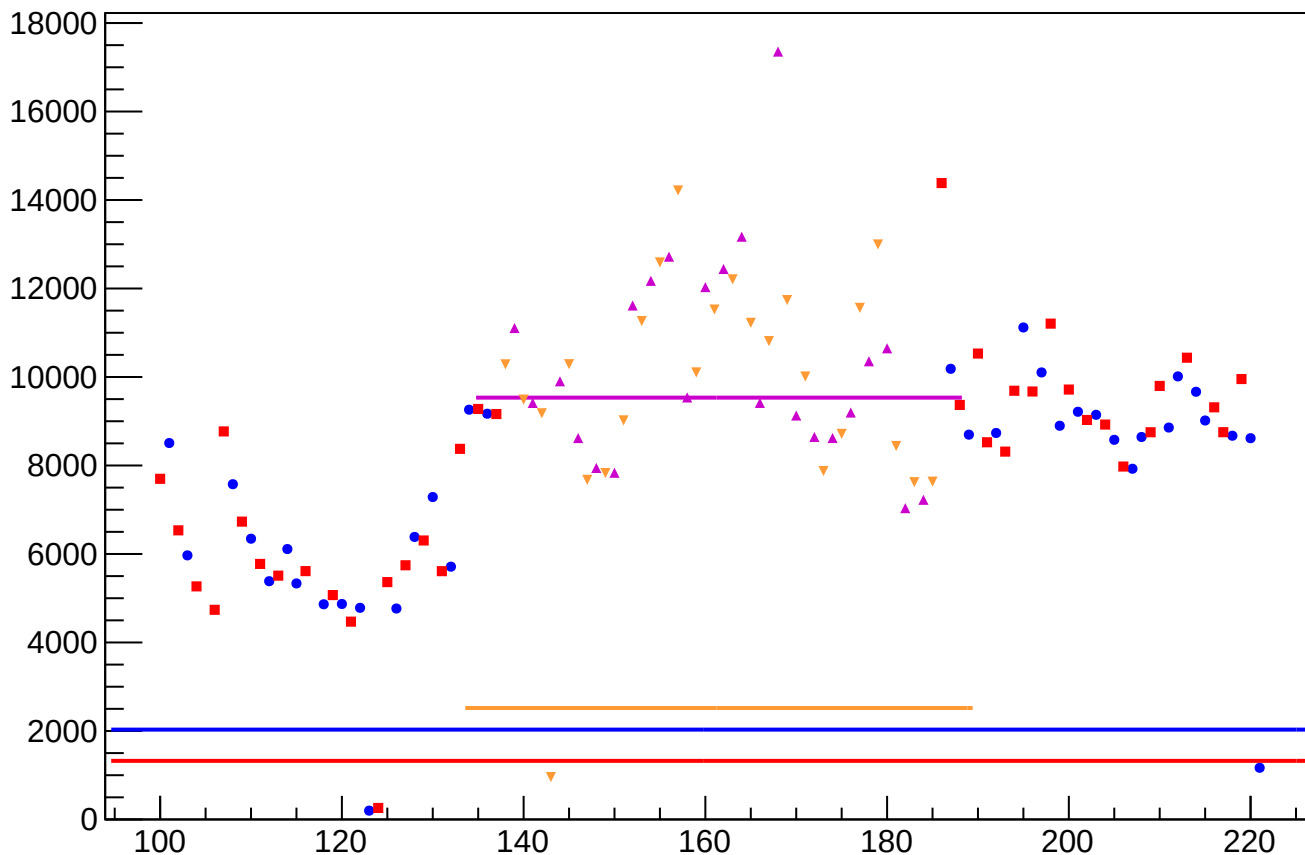
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1280.437 $\pm$ 626.680 χ^2 /NDF: 69.3/59

All: -548.148 $\pm$ 449.958 χ^2 /NDF: 145.7/119

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

asym_atl2_correction_rms vs Slug



Right In: 2030.508+/-0.571 χ^2/NDF : 26478185.2/34

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

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

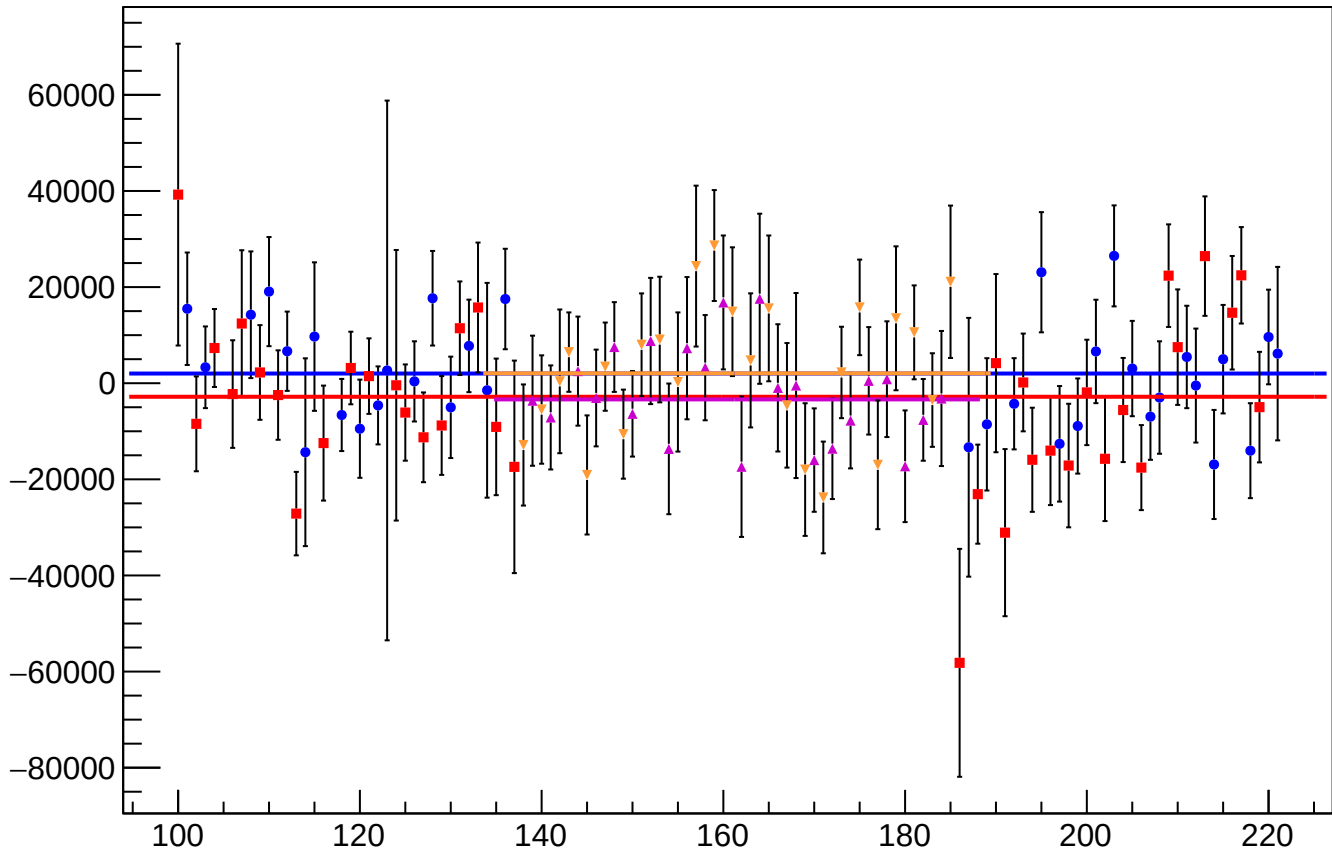
Left In: 9533.563+/-1.649 χ^2/NDF : 1316640.0/22

+ sign 2225.186+/-0.443 χ^2/NDF : 50411950.7/59

All: 2094.556+/-0.318 χ^2/NDF : 105748148.1

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

asym_atl2_mean vs Slug



Right In: 2015.290+/-1829.927 χ^2/NDF : 34.6/34

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

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

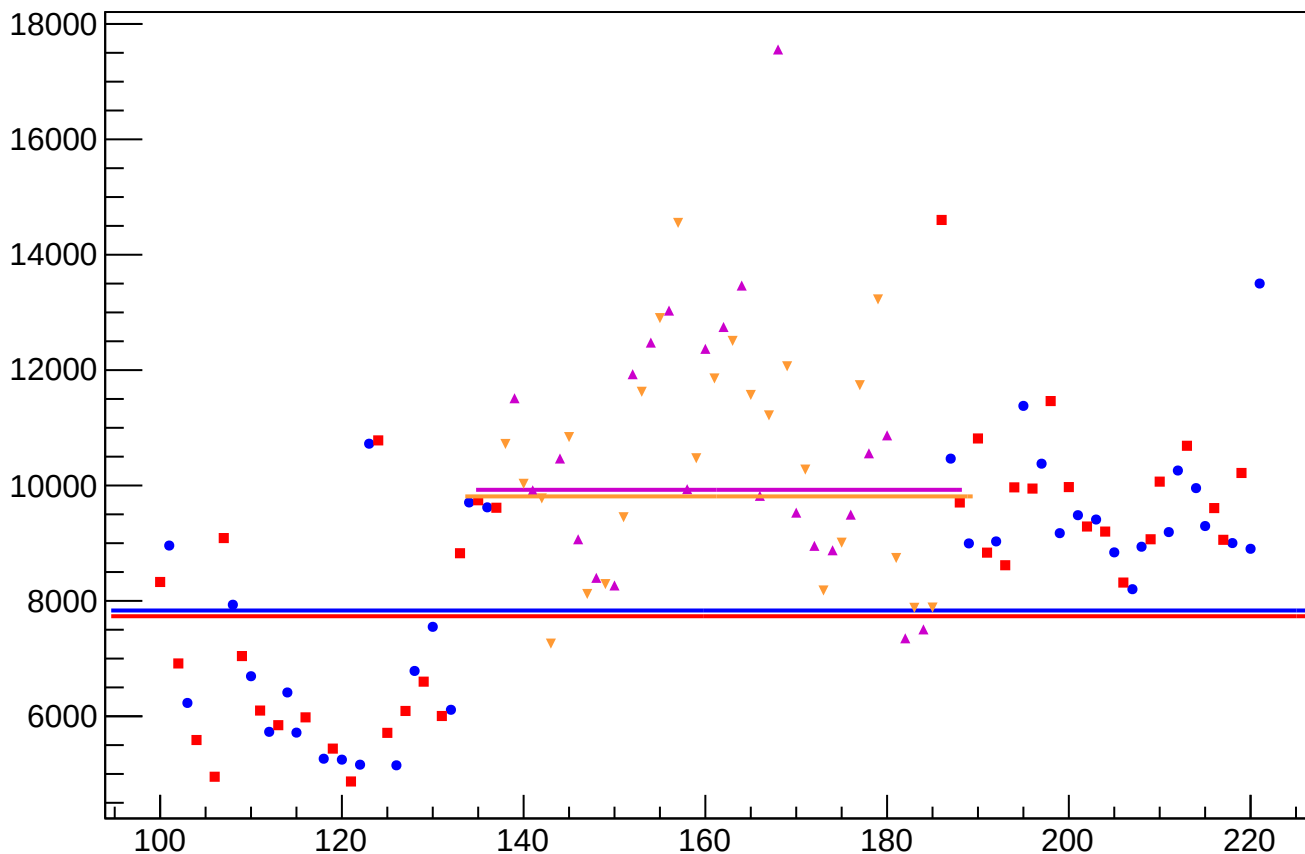
Left In: -3371.931+/-2423.242 χ^2/NDF : 13.1/22

+ sign 2030.773+/-1439.964 χ^2/NDF : 65.3/59

All: -466.345+/-1023.725 χ^2/NDF : 145.0/119

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

asym_atl2_rms vs Slug



Right In: 7833.424+/-1.294 χ^2/NDF : 2196009.7/34

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

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

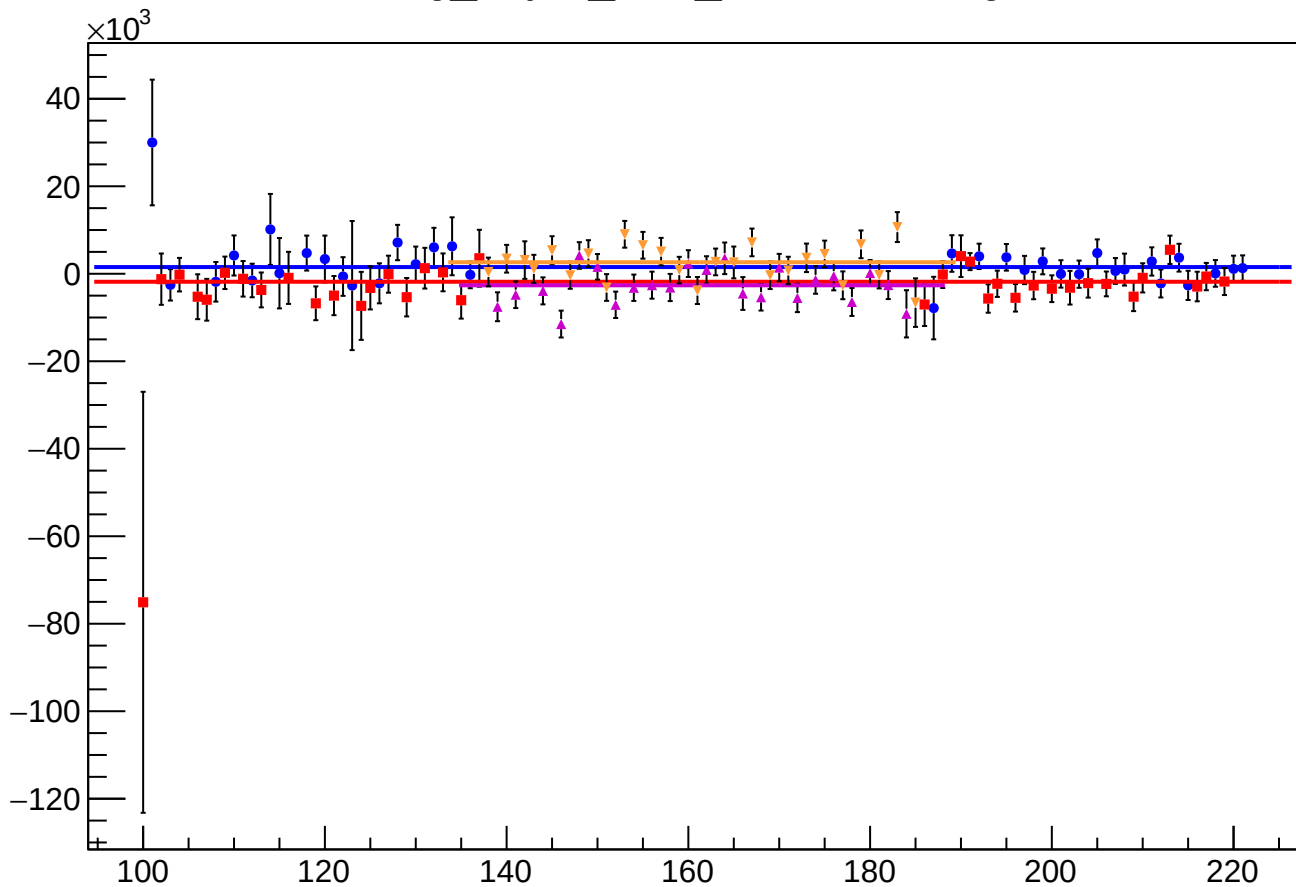
Left In: 9925.337+/-1.713 χ^2/NDF :1211554.7/22

+ sign 8586.448+/-1.018 χ^2/NDF : 4299363.7/59

All: 8555.852+/-0.724 χ^2/NDF : 9037939.9/11

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

reg_asym_atr1_mean vs Slug



Right In: 1530.915 ± 631.179 χ^2/NDF : 22.7/34

Left Out: 2635.833 ± 646.121 χ^2/NDF : 35.1/24

Right Out: -1825.689 ± 609.457 χ^2/NDF : 28.4/36

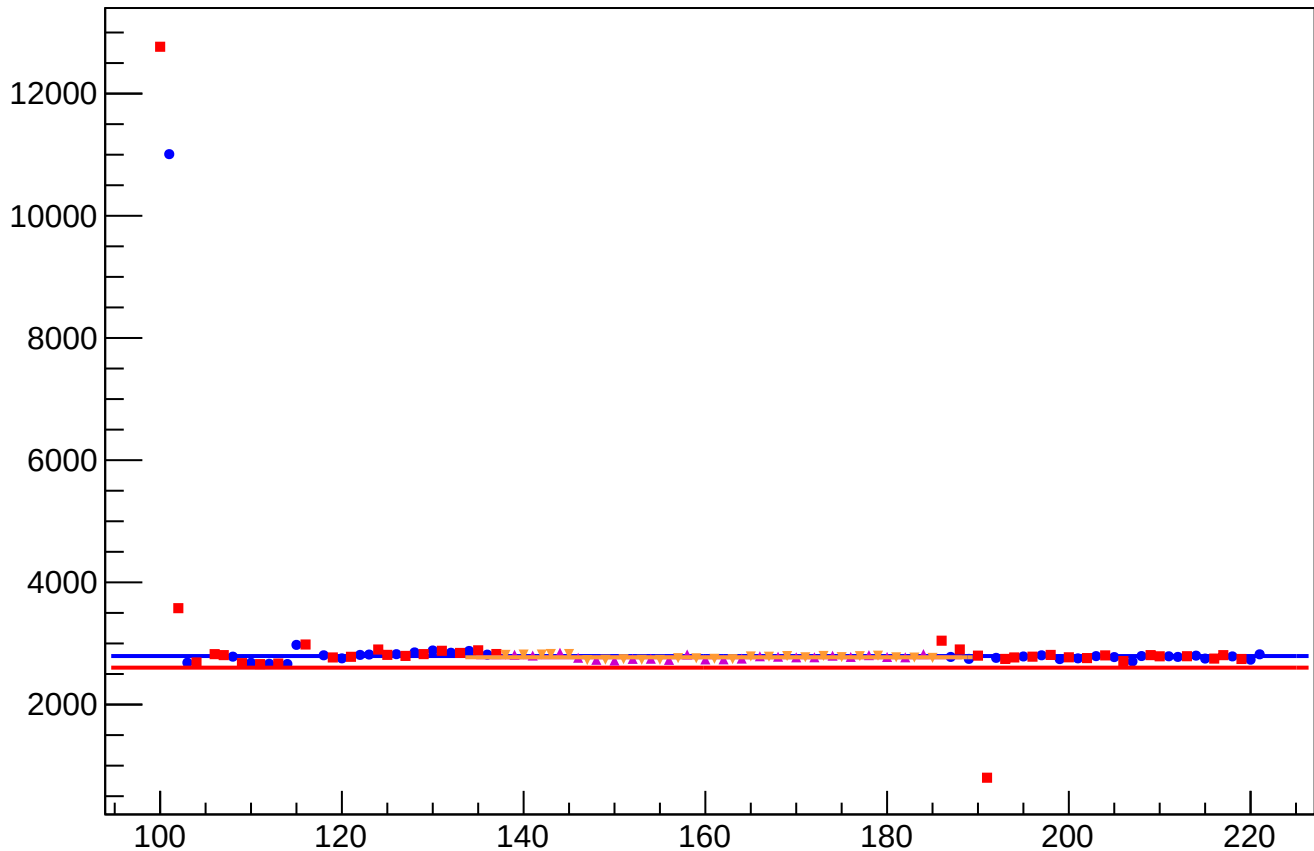
Left In: -2638.607 ± 664.569 χ^2/NDF : 35.2/22

+ sign 2070.451 ± 451.501 χ^2/NDF : 59.3/59

All: -74.327 ± 318.433 χ^2/NDF : 168.6/119

- sign -2197.048 ± 449.174 χ^2/NDF : 64.5/59

reg_asym_atr1_rms vs Slug



Right In: 2793.979+/-0.446 χ^2/NDF : 668023.3/34

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

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

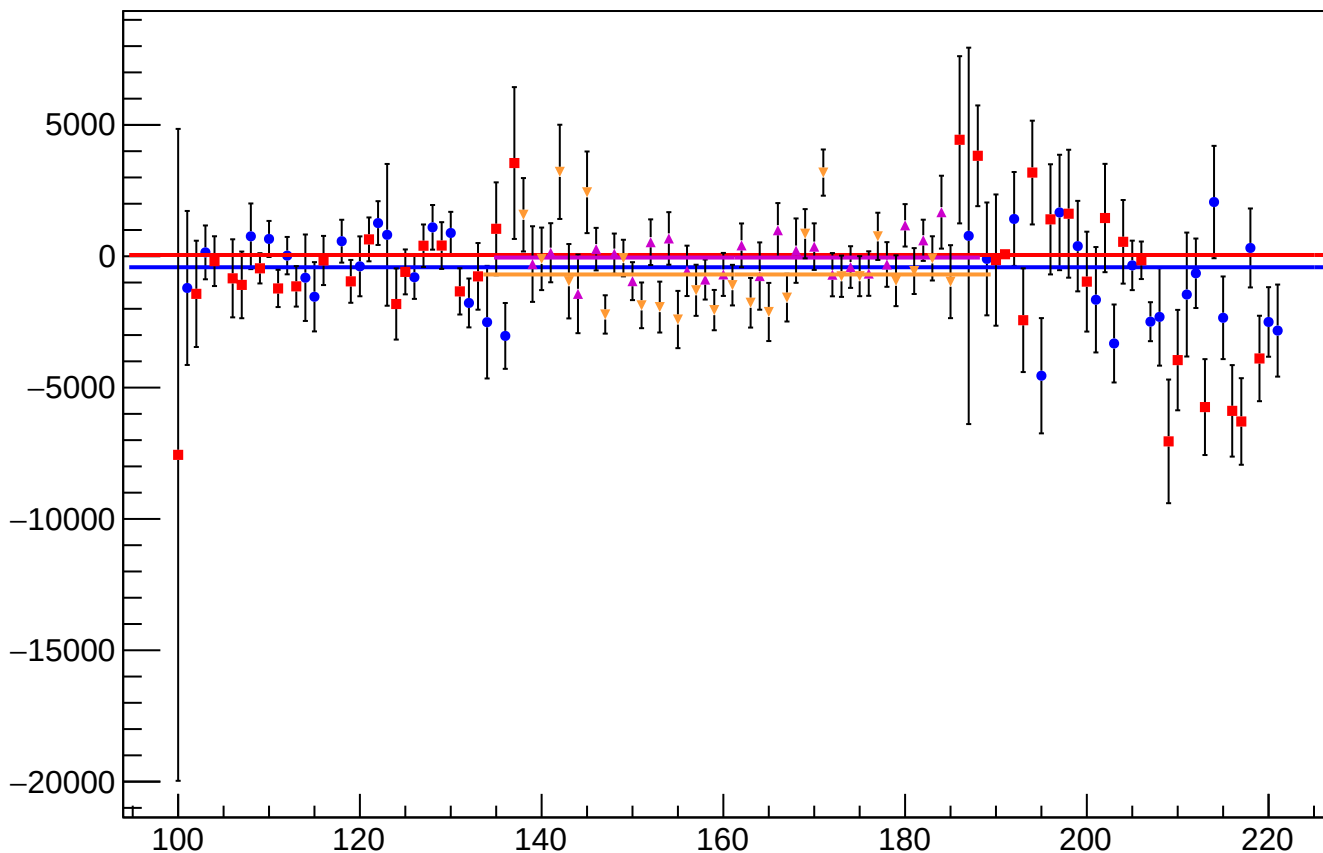
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2784.083+/-0.319 χ^2/NDF : 673646.5/59

All: 2732.635+/-0.225 χ^2/NDF : 2842438.2/11

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

asym_atr1_correction_mean vs Slug



Right In: -417.929 ± 200.153 χ^2/NDF : 50.6/34

Left Out: -692.808 ± 187.297 χ^2/NDF : 56.0/24

Right Out: 48.477 ± 37.773 χ^2/NDF : 86.1/36

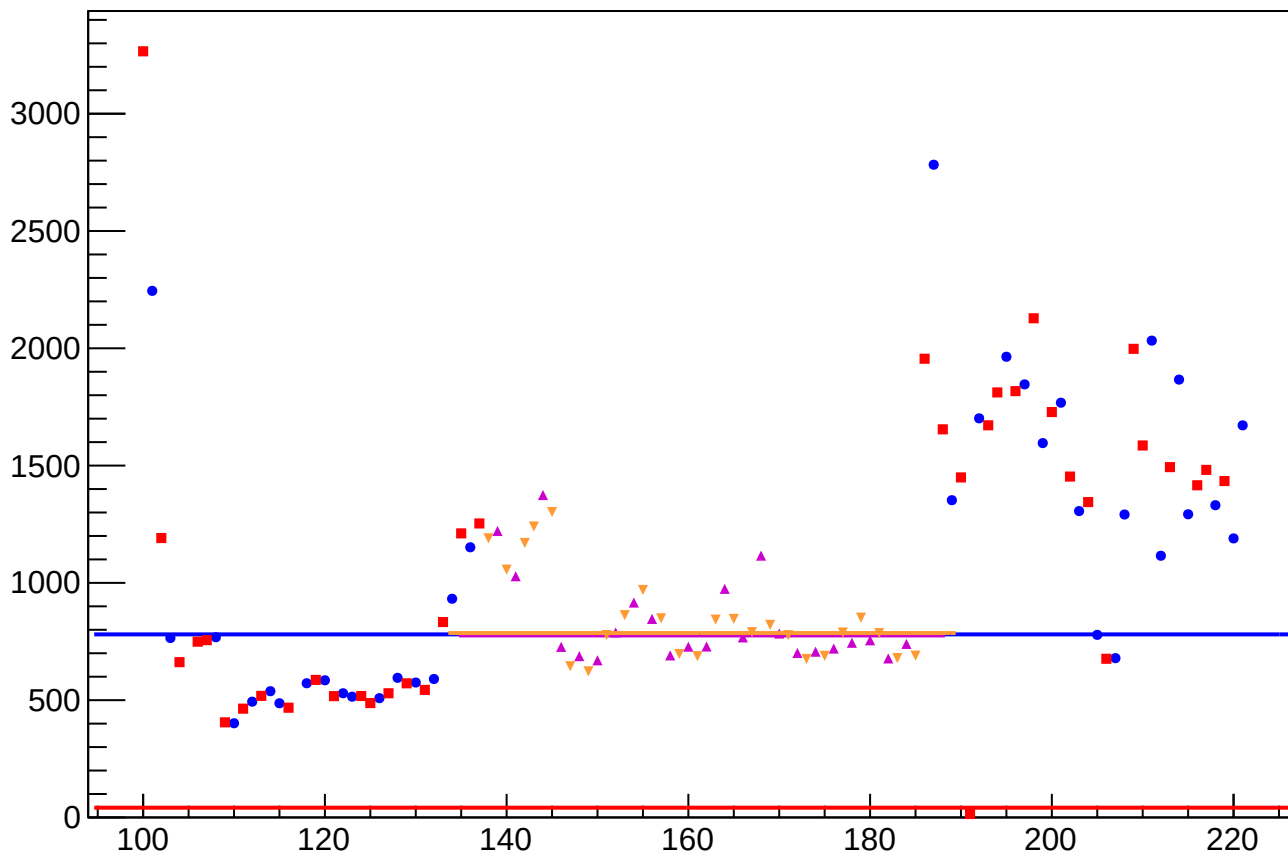
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -564.479 ± 136.758 χ^2/NDF : 107.6/59

All: 3.091 ± 35.754 χ^2/NDF : 226.1/119

- sign 44.731 ± 37.042 χ^2/NDF : 100.0/59

asym_atr1_correction_rms vs Slug



Right In: 780.435+/-0.142 χ^2/NDF : 8329588.2/34

Left Out: 786.173+/-0.132 χ^2/NDF :1249536.1/24

Right Out: 41.626+/-0.027 χ^2/NDF : 35082845.9/36

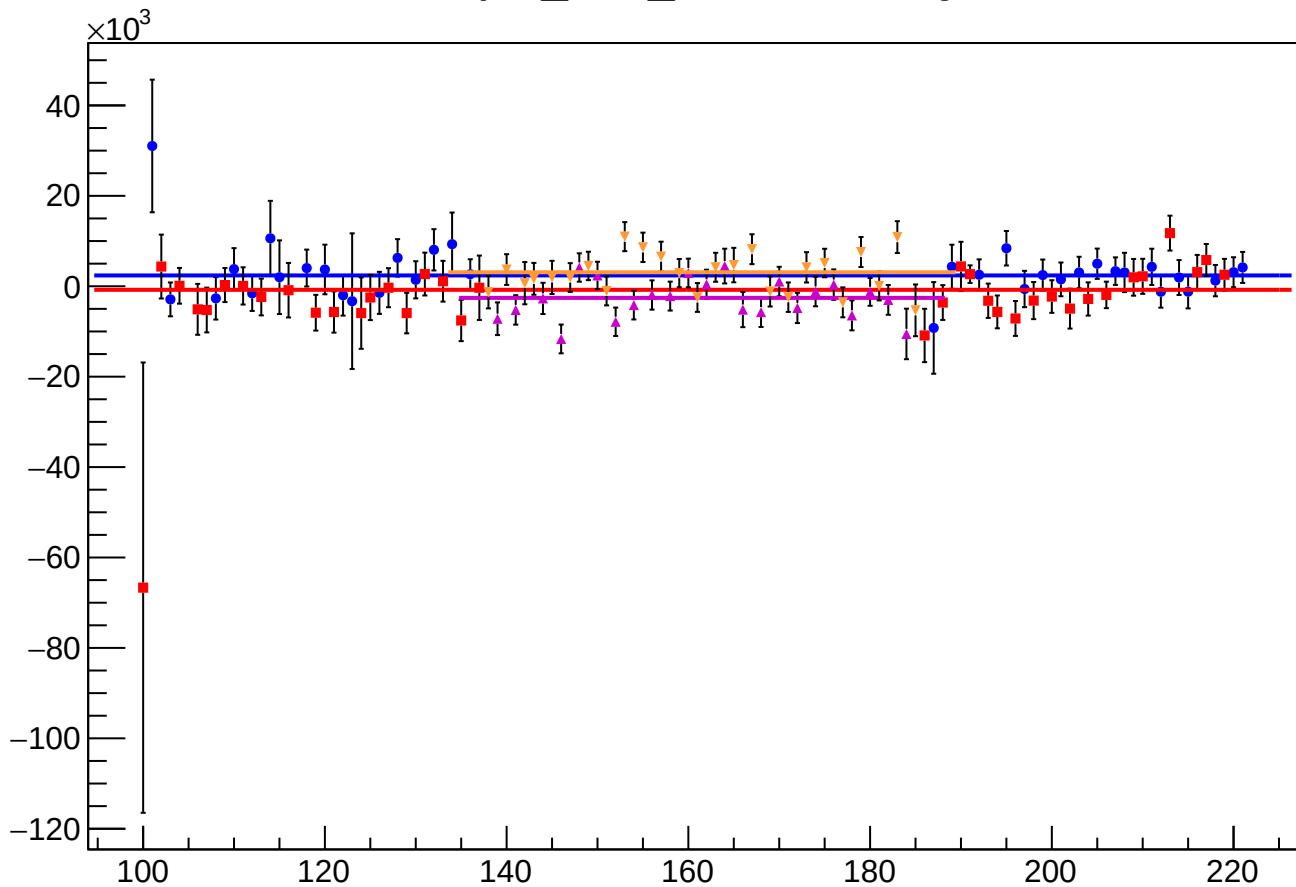
Left In: 775.930+/-0.134 χ^2/NDF :1056766.5/22

+ sign 783.494+/-0.097 χ^2/NDF : 9580000.7/59

All: 118.559+/-0.025 χ^2/NDF : 125442789.6/59

- sign 69.776+/-0.026 χ^2/NDF : 65113705.5/59

asym_atr1_mean vs Slug



Right In: 2393.801 $\pm$ 701.099 χ^2 /NDF: 22.5/34

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

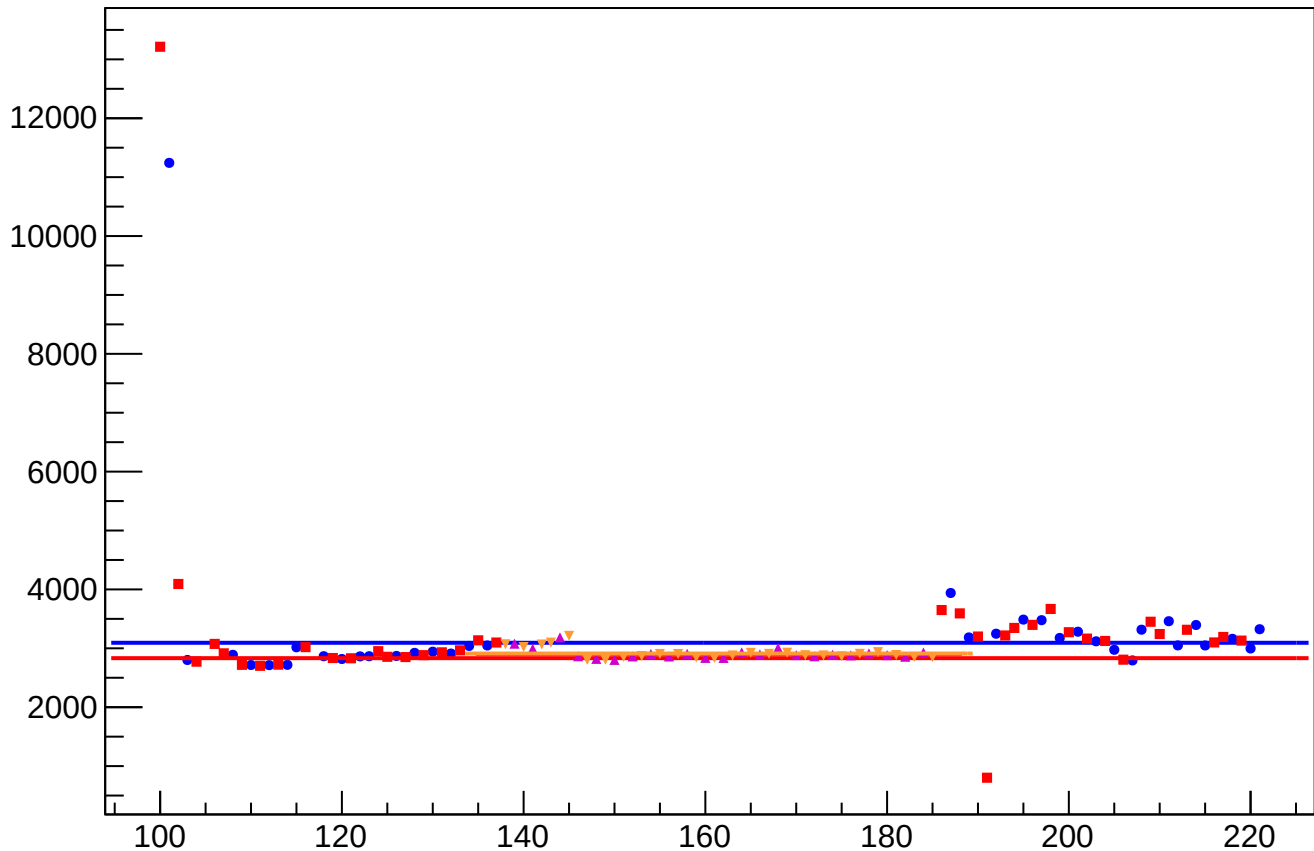
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2755.788 $\pm$ 487.569 χ^2 /NDF: 61.7/59

All: 533.749 $\pm$ 343.277 χ^2 /NDF: 184.9/119

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

asym_atr1_rms vs Slug



Right In: 3094.013+/-0.496 χ^2/NDF : 833819.1/34

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

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

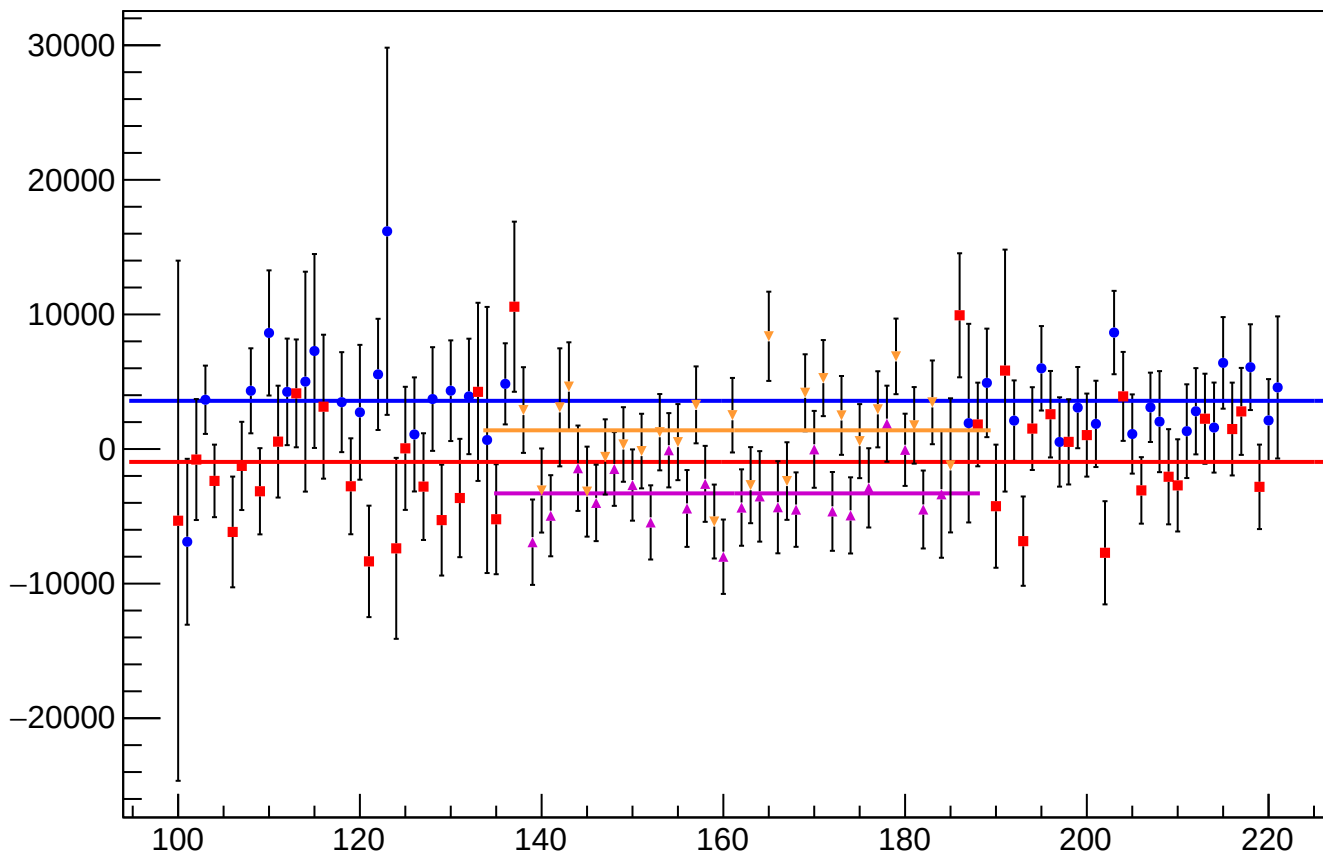
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2999.627+/-0.345 χ^2/NDF : 940661.0/59

All: 2932.682+/-0.243 χ^2/NDF : 3913197.2/11

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

reg_asym_atr2_mean vs Slug



Right In: 3580.618 $\pm$ 620.133 χ^2 /NDF: 14.3/34

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

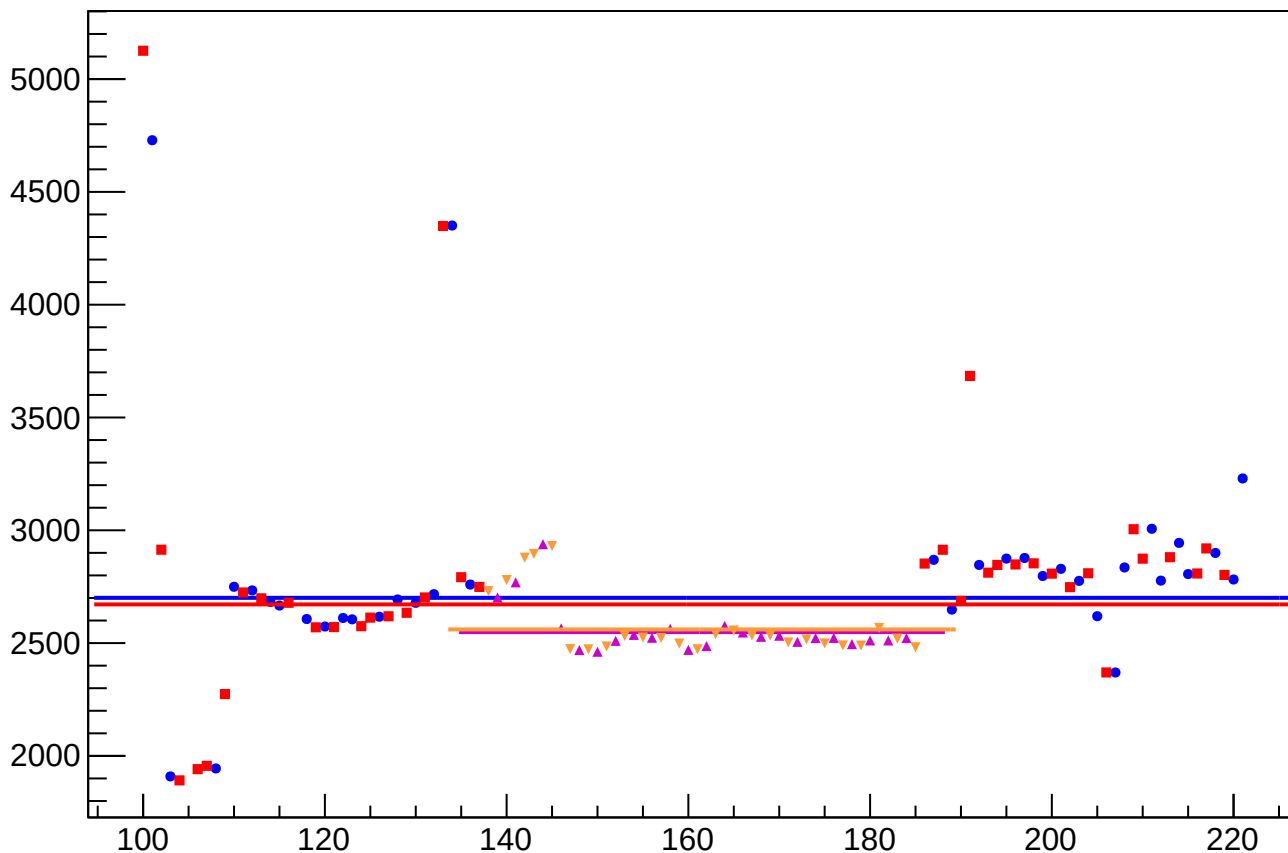
Left In: -3295.367 $\pm$ 609.991 χ^2 /NDF: 14.9/22

+ sign 2442.944 $\pm$ 429.908 χ^2 /NDF: 50.0/59

All: 169.431 $\pm$ 304.992 χ^2 /NDF: 166.9/119

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

reg_asym_atr2_rms vs Slug



Right In: 2700.608 $\pm$ 0.439 χ^2 /NDF: 707143.5/34

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

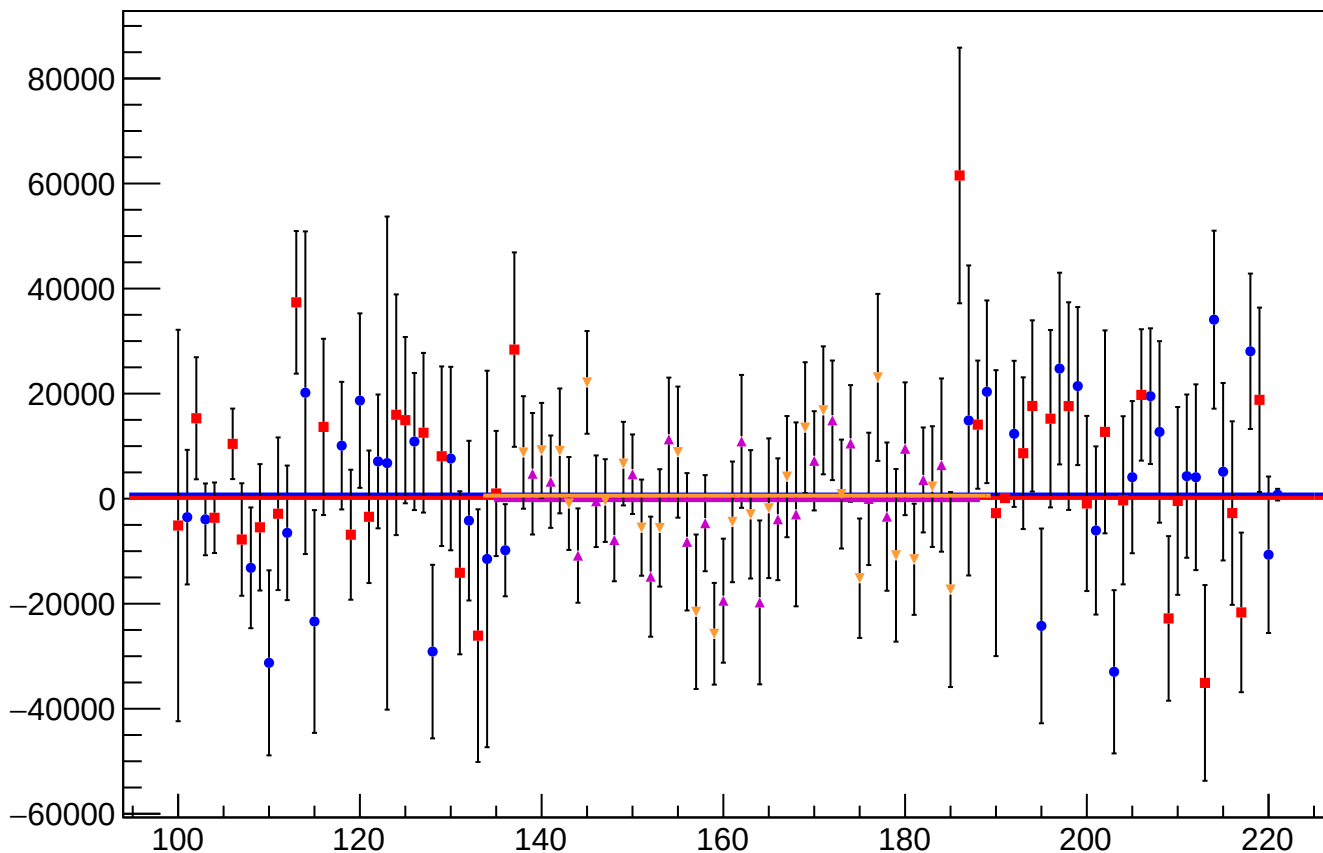
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF:55266.2/22

+ sign 2627.852 $\pm$ 0.304 χ^2 /NDF: 846917.4/59

All: 2618.857 $\pm$ 0.216 χ^2 /NDF: 1626306.3/11

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

asym_atr2_correction_mean vs Slug



Right In: 785.139 ± 1011.585 χ^2/NDF : 38.3/34

Left Out: 572.477 ± 2184.376 χ^2/NDF : 28.2/24

Right Out: 136.649 ± 194.865 χ^2/NDF : 43.0/36

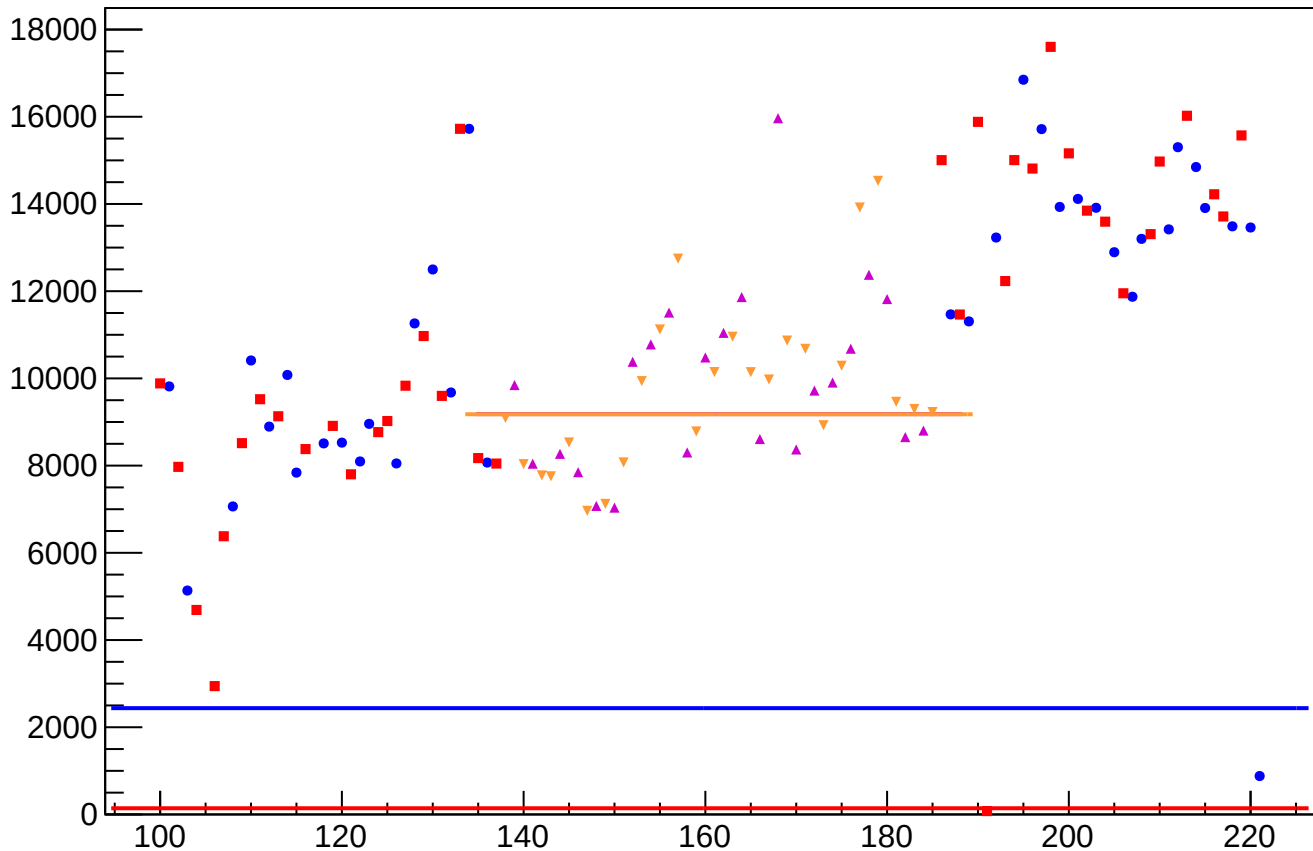
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign 747.585 ± 917.932 χ^2/NDF : 66.5/59

All: 159.852 ± 189.933 χ^2/NDF : 125.6/119

- sign 133.564 ± 194.134 χ^2/NDF : 58.7/59

asym_atr2_correction_rms vs Slug



Right In: 2438.008+/-0.715 χ^2/NDF : 27431925.4/34

Left Out: 9177.688+/-1.545 χ^2/NDF : 1176195.8/24

Right Out: 141.924+/-0.138 χ^2/NDF : 37267179.9/36

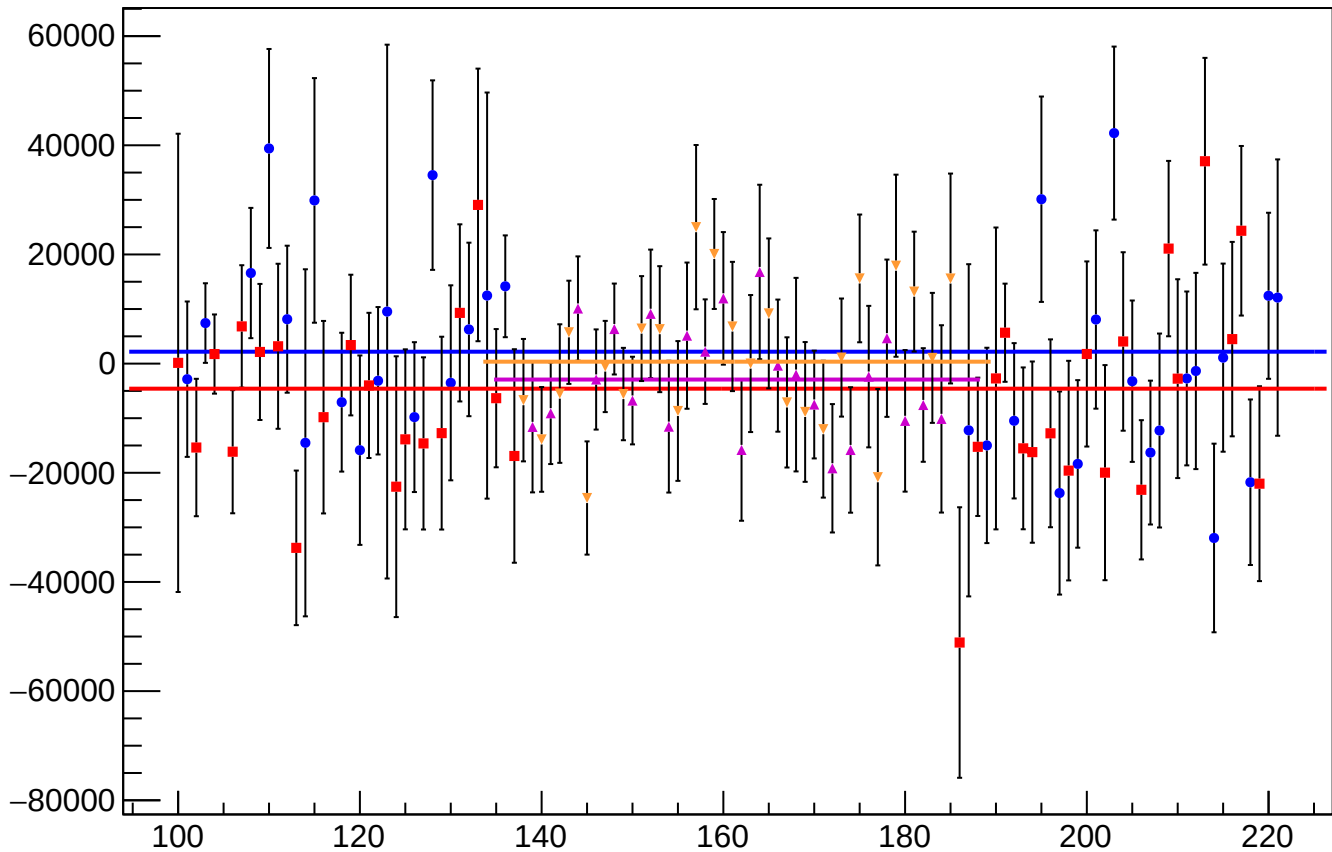
Left In: 9181.254+/-1.586 χ^2/NDF : 1236469.7/22

+ sign 3628.168+/-0.649 χ^2/NDF : 44285371.4/59

All: 356.006+/-0.134 χ^2/NDF : 141583530.4/100

- sign 209.648+/-0.137 χ^2/NDF : 70747088.5/59

asym_atr2_mean vs Slug



Right In: 2182.854 $\pm$ 2582.589 χ^2 /NDF: 40.5/34

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

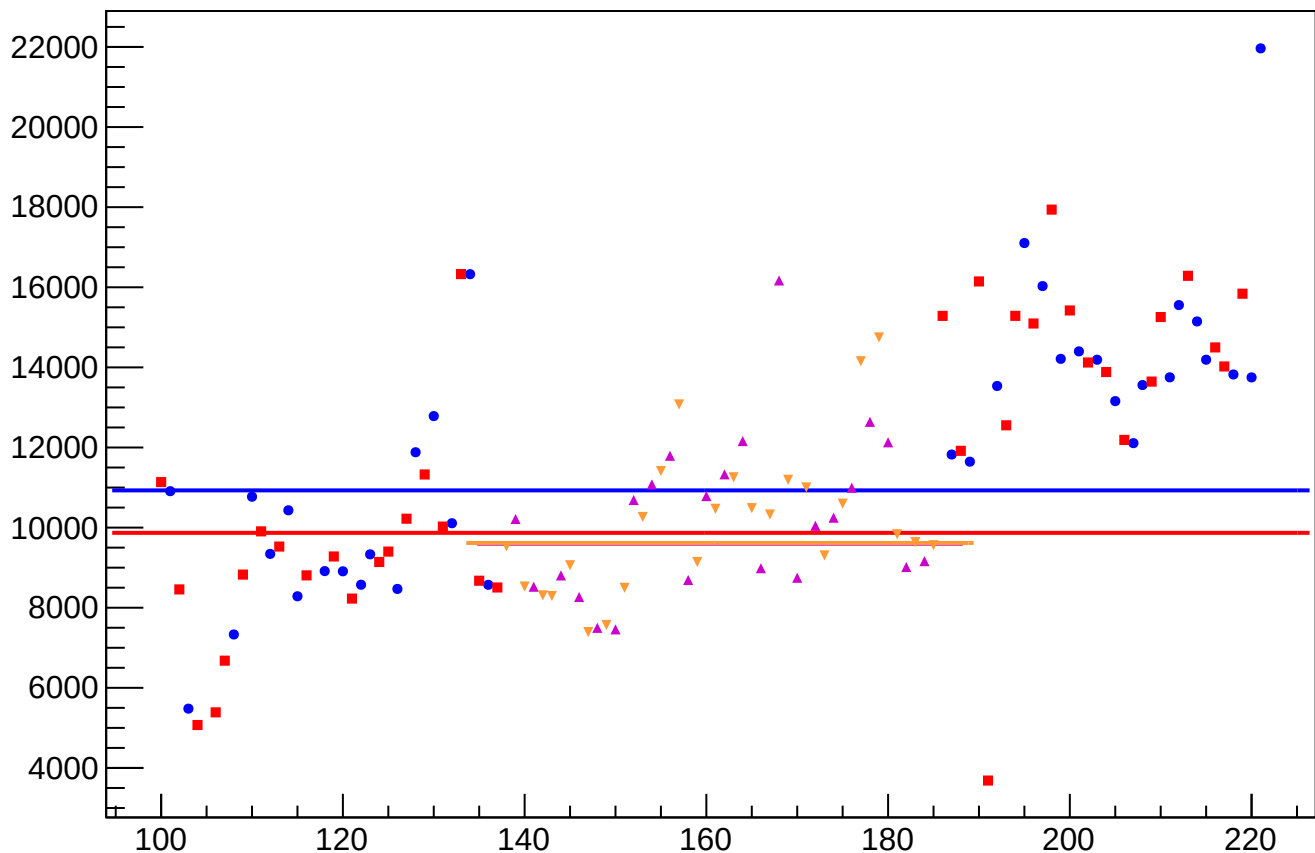
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 1156.689 $\pm$ 1709.930 χ^2 /NDF: 67.0/59

All: -1326.083 $\pm$ 1198.831 χ^2 /NDF: 122.2/11

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

asym_atr2_rms vs Slug



Right In: 10929.455+/-1.826 χ^2/NDF : 3481088.3/34

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

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

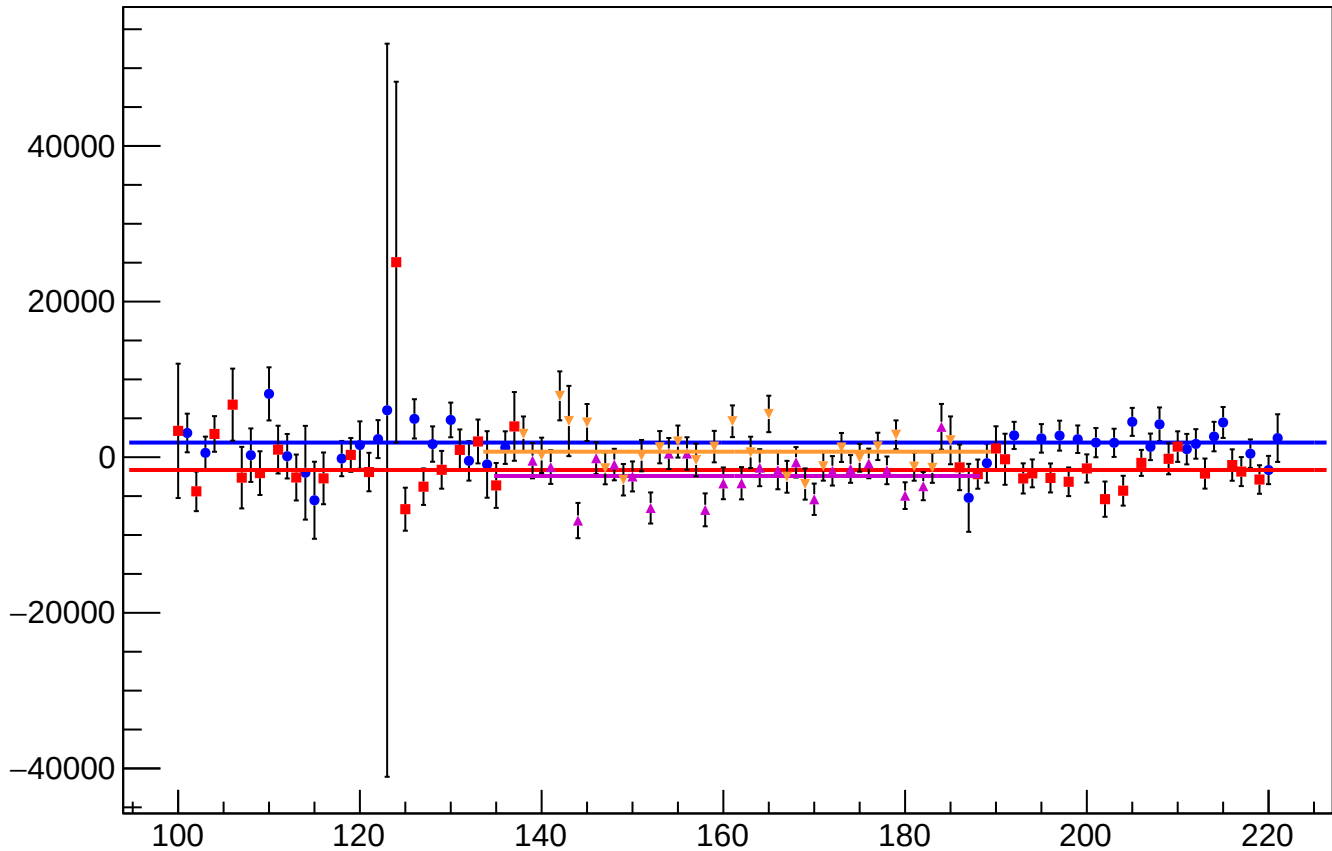
Left In: 9598.531+/-1.654 χ^2/NDF :1082171.6/22

+ sign 10191.936+/-1.209 χ^2/NDF : 4783184.9/59

All: 9956.808+/-0.848 χ^2/NDF : 11062729.0/100

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

reg_asym_atl_avg_mean vs Slug



Right In: 1881.437 $\pm$ 381.490 χ^2 /NDF: 27.0/34

Left Out: 709.722 $\pm$ 417.377 χ^2 /NDF:34.8/24

Right Out: -1642.696 $\pm$ 385.662 χ^2 /NDF: 31.9/36

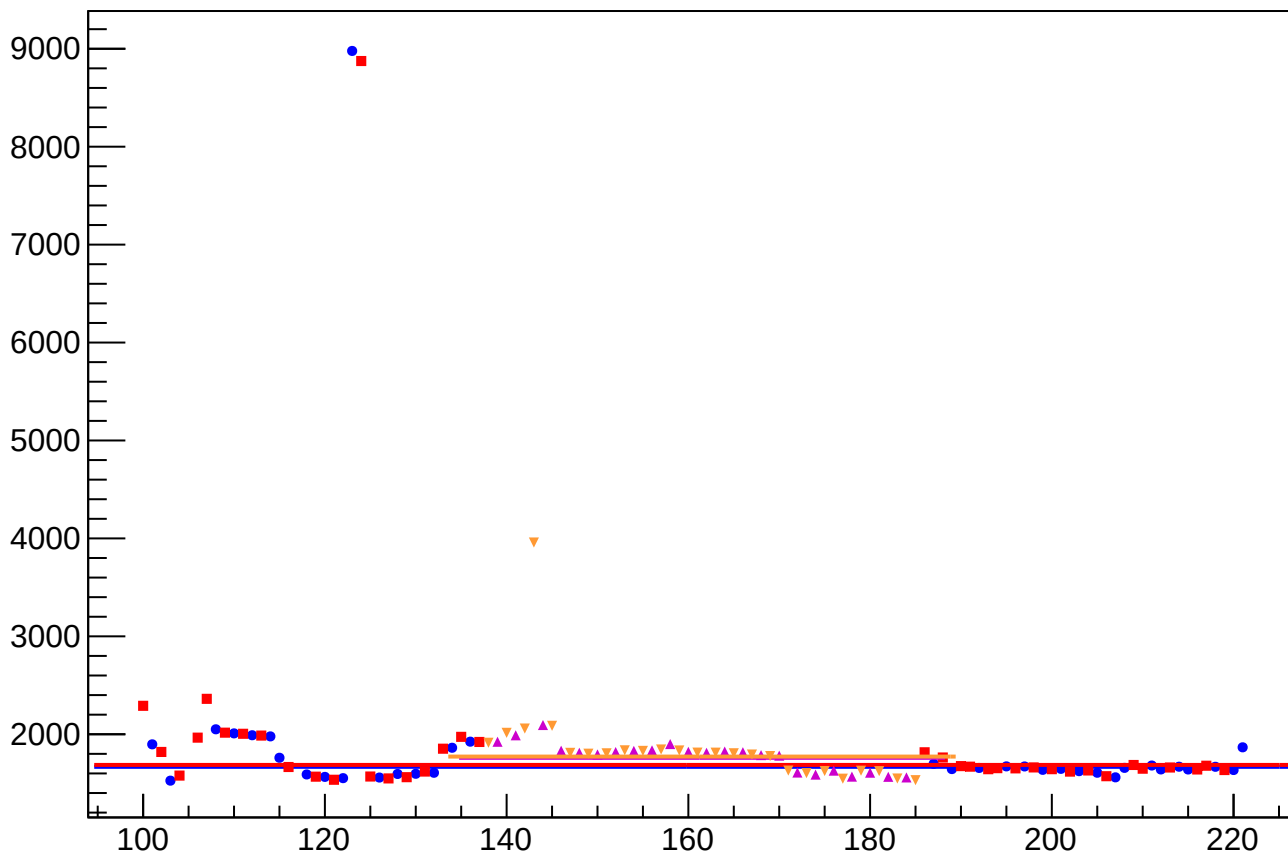
Left In: -2414.749 $\pm$ 423.472 χ^2 /NDF:34.0/22

+ sign 1348.111 $\pm$ 281.588 χ^2 /NDF: 66.1/59

All: -301.393 $\pm$ 200.355 χ^2 /NDF: 203.4/119

- sign -1992.724 $\pm$ 285.136 χ^2 /NDF: 67.7/59

reg_asym_atl_avg_rms vs Slug



Right In: 1667.575+/-0.270 χ^2/NDF : 225689.0/34

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

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

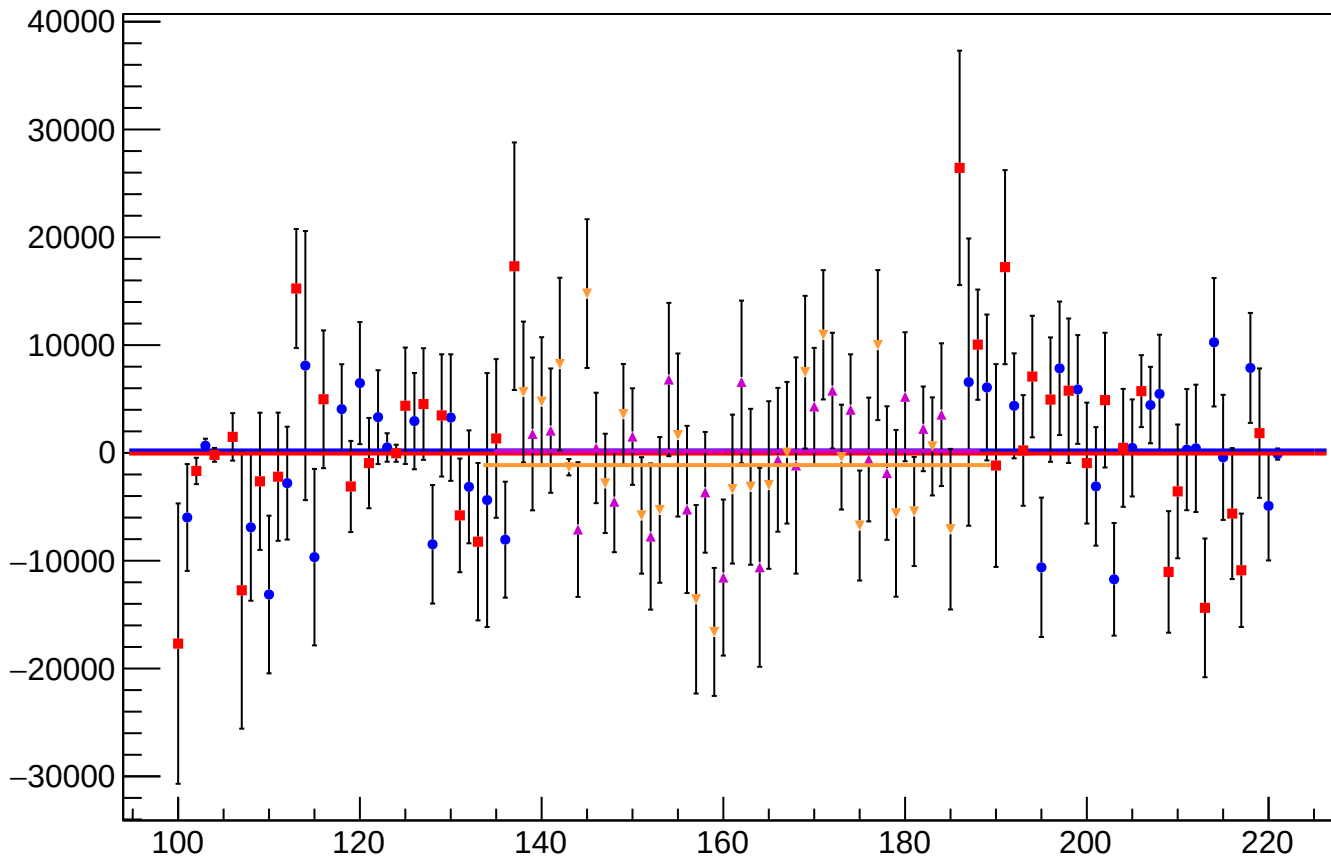
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1715.127+/-0.199 χ^2/NDF : 996430.1/59

All: 1717.444+/-0.142 χ^2/NDF : 1685014.2/11

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

asym_atl_avg_correction_mean vs Slug



Right In: 229.594 $\pm$ 359.760 χ^2 /NDF: 39.1/34

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

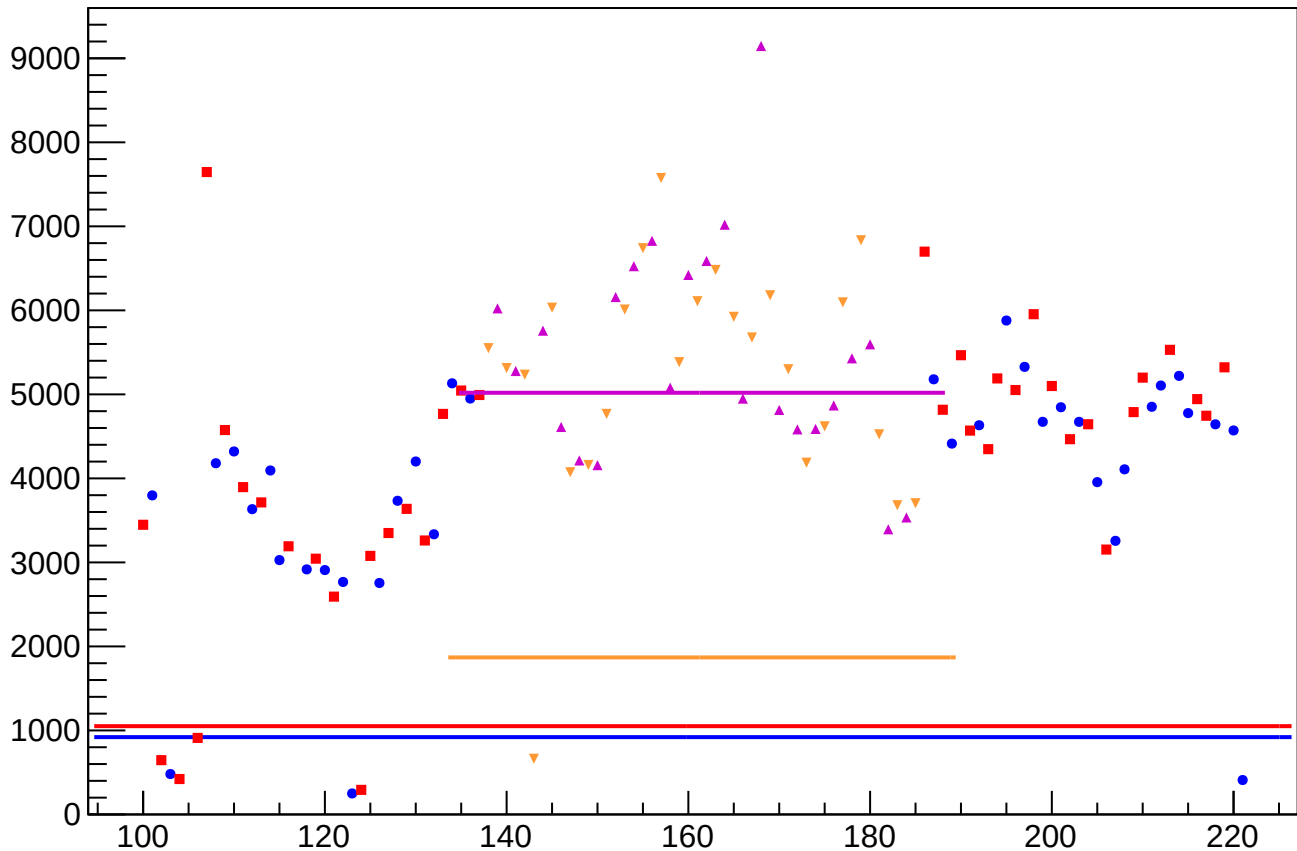
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -90.996 $\pm$ 314.491 χ^2 /NDF: 74.0/59

All: -69.217 $\pm$ 245.208 χ^2 /NDF: 143.6/119

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

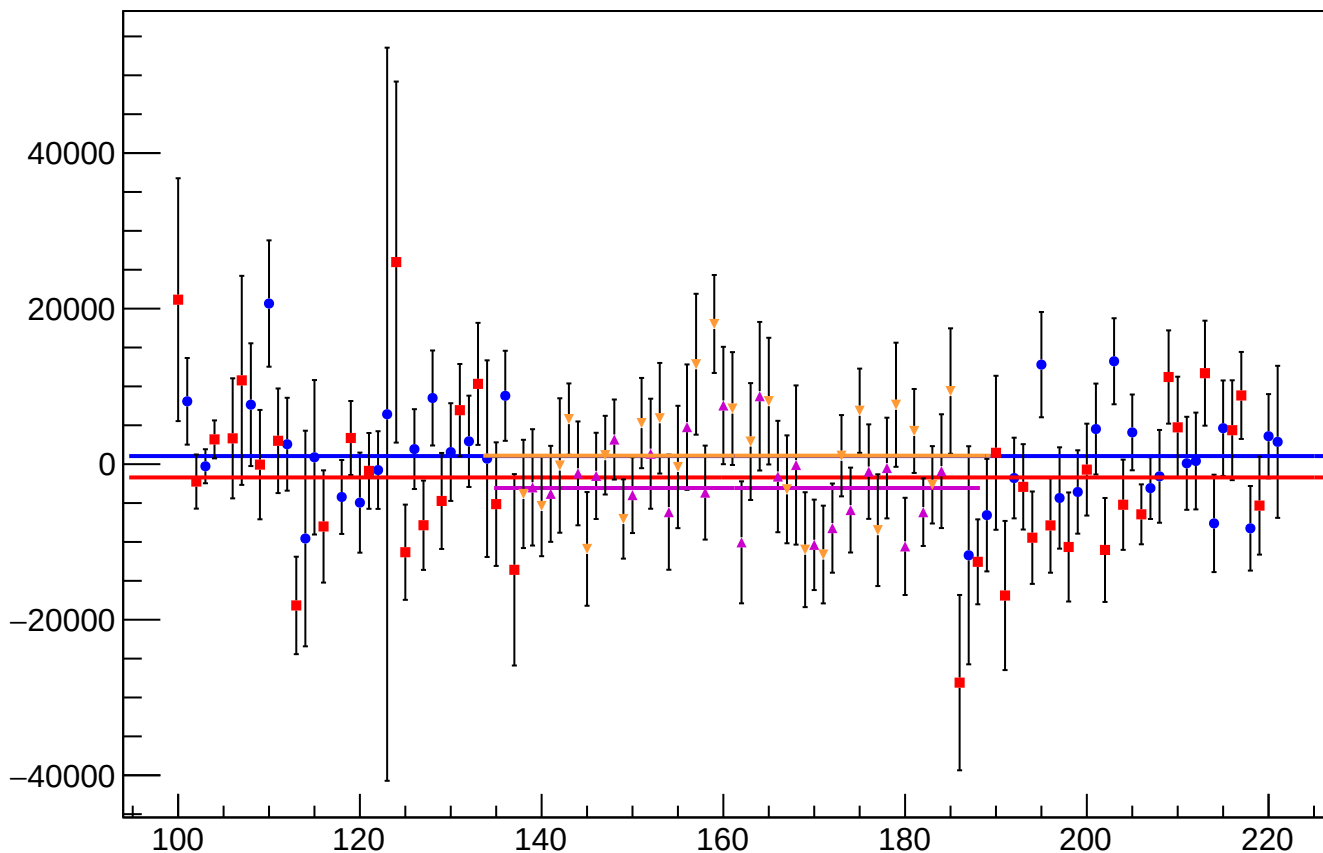
asym_atl_avg_correction_rms vs Slug



Right In: 920.365 $\pm$ 0.254 χ^2 /NDF: 25805525.1/34
 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 1144.079 $\pm$ 0.222 χ^2 /NDF: 48937297.8/59
 All: 1264.625 $\pm$ 0.173 χ^2 /NDF: 94903654.9/1
 - sign 1451.537 $\pm$ 0.277 χ^2 /NDF: 45216890.9/59

asym_atl_avg_mean vs Slug



Right In: 1041.153+/-952.945 χ^2/NDF : 33.8/34

Left Out: 1094.317+/-1273.113 χ^2/NDF : 32.0/24

Right Out: -1704.993+/-963.734 χ^2/NDF : 62.4/36

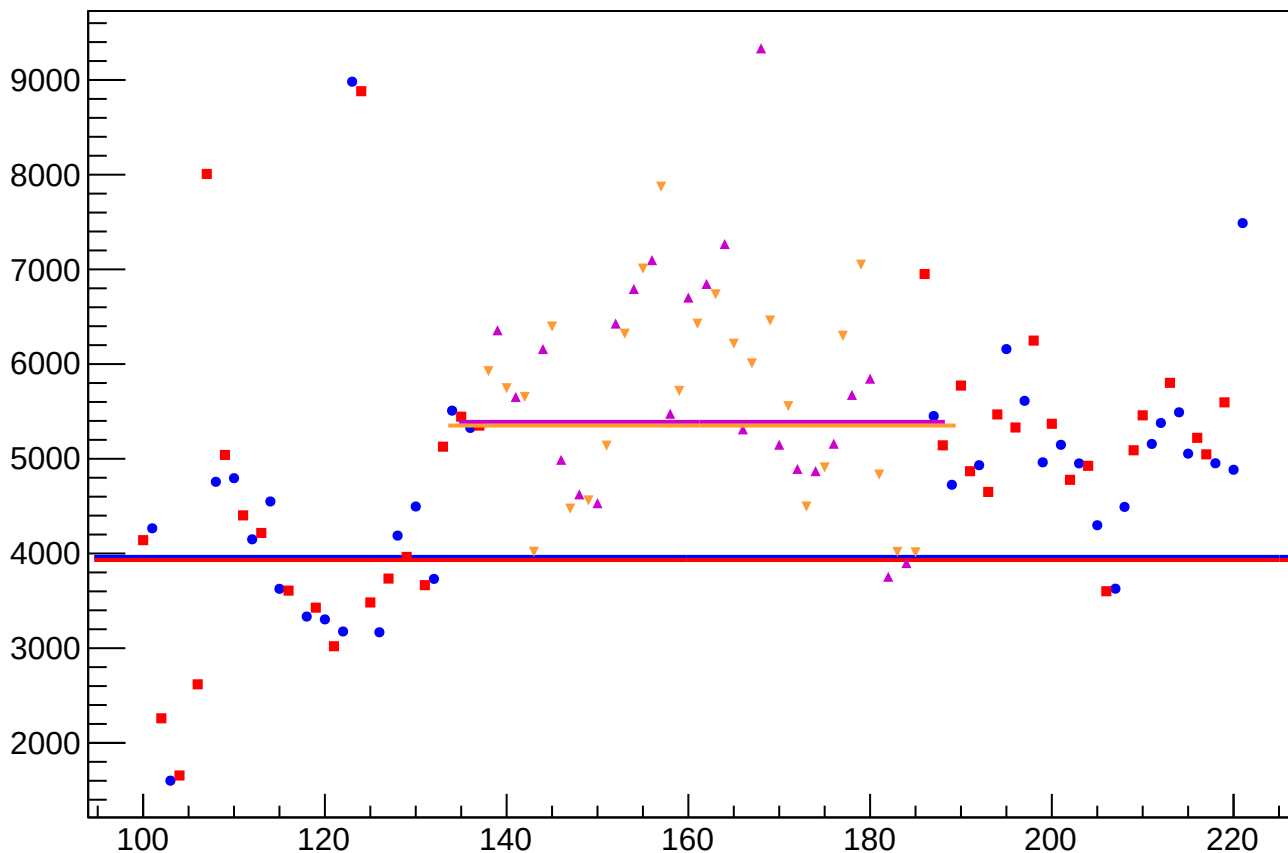
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1060.243+/-762.899 χ^2/NDF : 65.8/59

All: -527.500+/-544.706 χ^2/NDF : 150.2/119

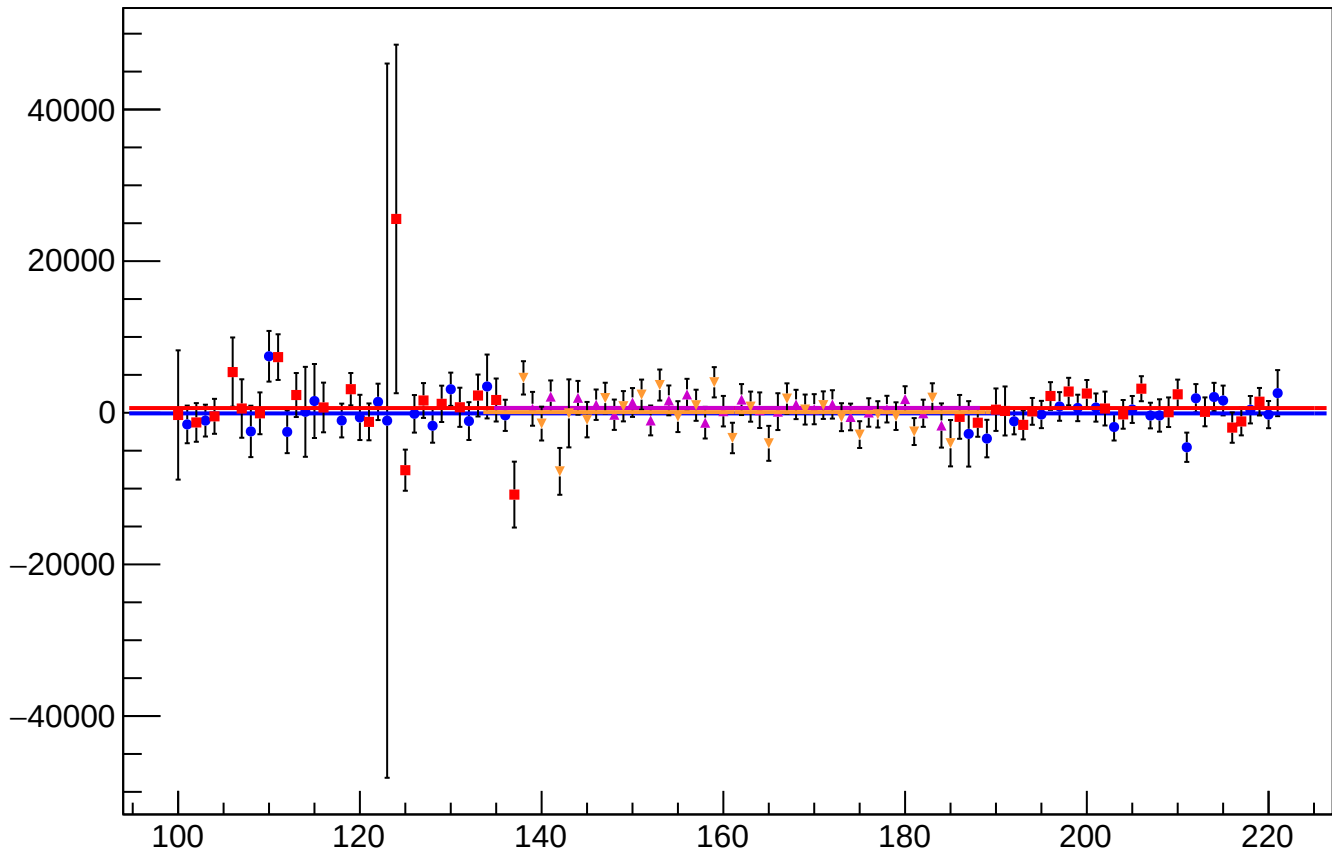
- sign -2178.650+/-777.983 χ^2/NDF : 75.6/59

asym_atl_avg_rms vs Slug



Right In: 3964.018+/-0.674	χ^2/NDF : 4179183.3/34	+ sign 4461.994+/-0.539	χ^2/NDF : 6941629.8/59
Left Out: 5350.804+/-0.900	χ^2/NDF : 1241497.9/24		
Right Out: 3931.138+/-0.676	χ^2/NDF : 4602917.7/36	All: 4448.081+/-0.384	χ^2/NDF : 14460684.9/1
Left In: 5389.724+/-0.932	χ^2/NDF : 1309863.0/22	- sign 4433.768+/-0.547	χ^2/NDF : 7517705.6/59

reg_asym_atl_dd_mean vs Slug



Right In: -82.497 ± 376.278 χ^2/NDF : 24.9/34

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

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

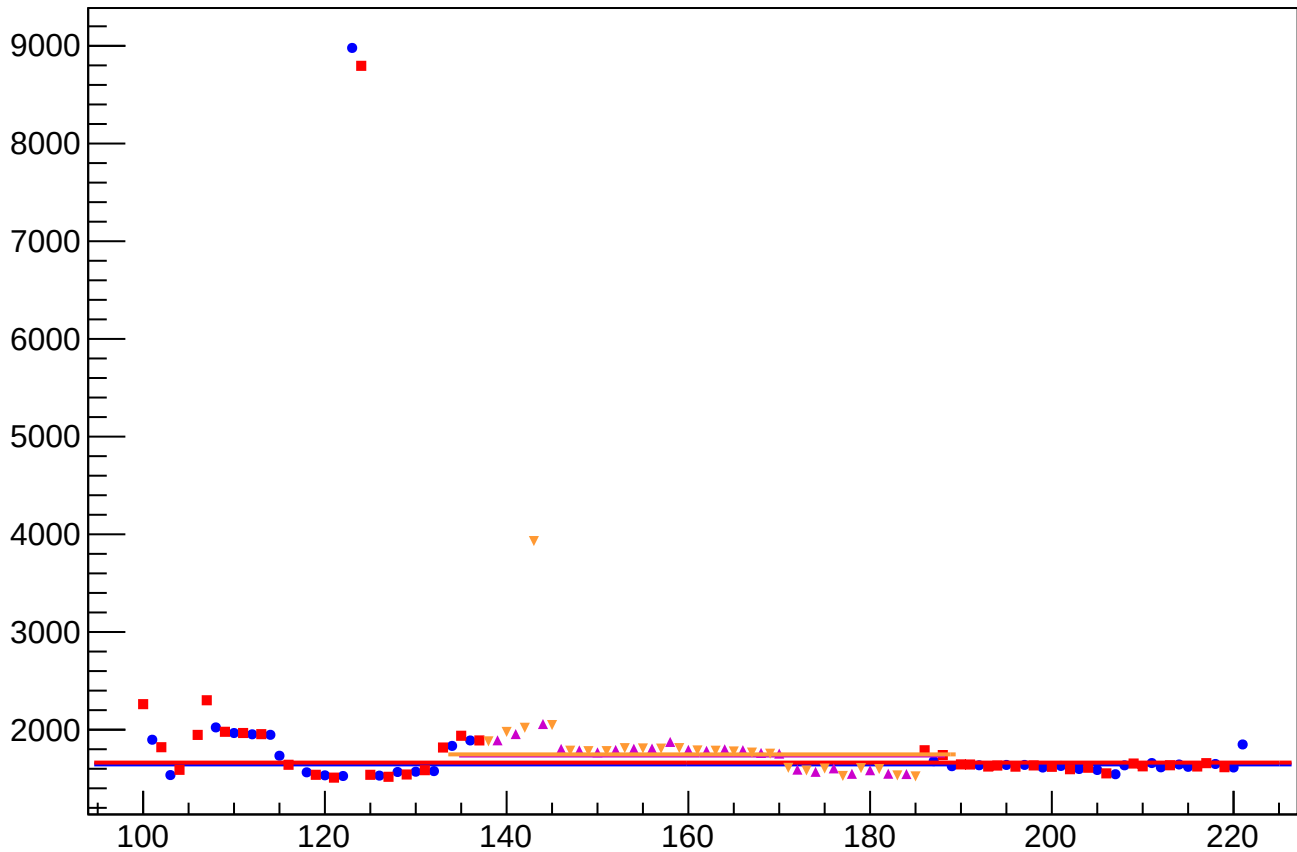
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -5.675 ± 277.697 χ^2/NDF : 61.0/59

All: 308.431 ± 197.571 χ^2/NDF : 109.3/119

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

reg_asym_atl_dd_rms vs Slug



Right In: 1644.797 $\pm$ 0.266 χ^2 /NDF: 223565.5/34

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

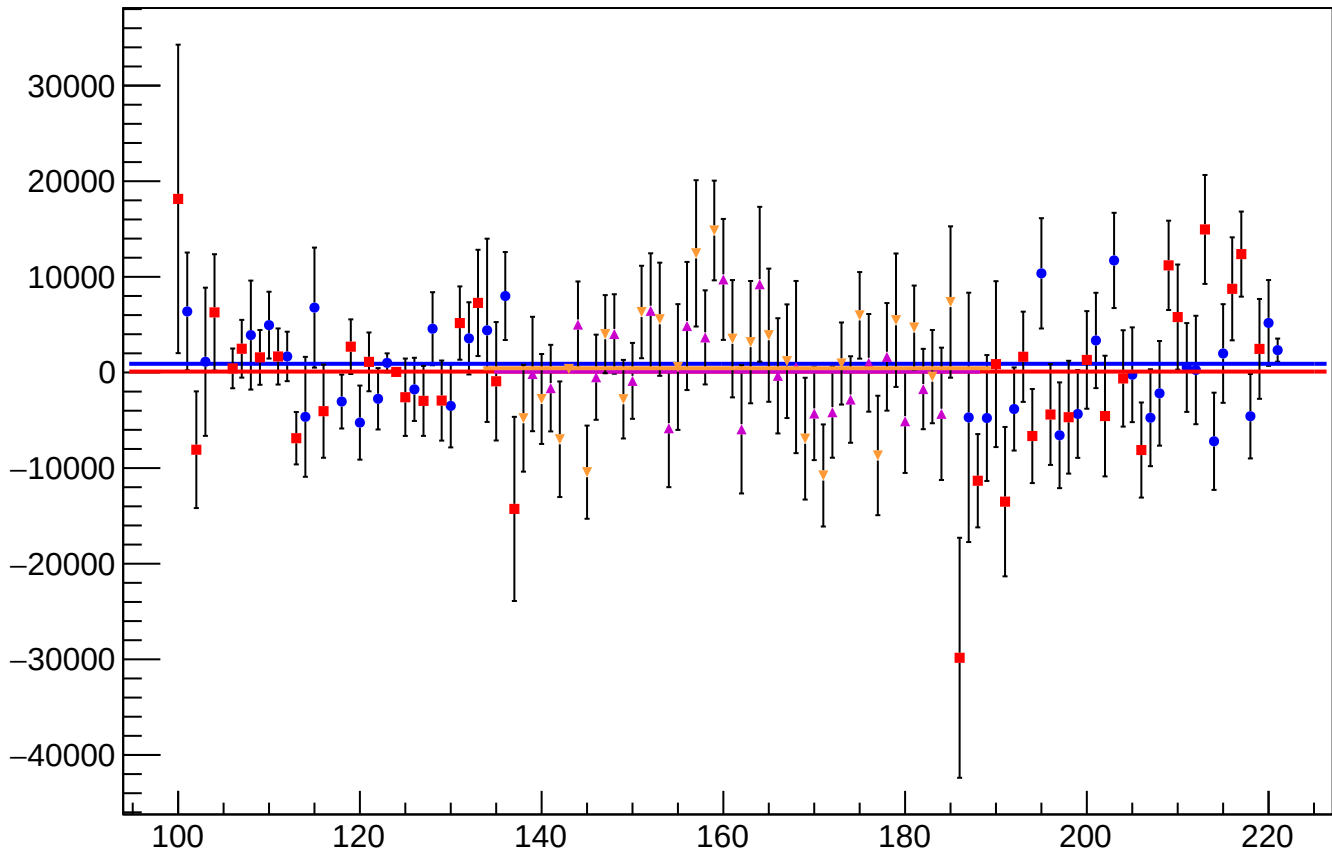
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1691.480 $\pm$ 0.196 χ^2 /NDF: 989365.5/59

All: 1693.694 $\pm$ 0.140 χ^2 /NDF: 1665487.5/11

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

asym_atl_dd_correction_mean vs Slug



Right In: 906.816+/-548.369 χ^2/NDF : 36.5/34

Left Out: 442.187+/-440.335 χ^2/NDF : 33.9/24

Right Out: 91.358+/-344.285 χ^2/NDF : 65.6/36

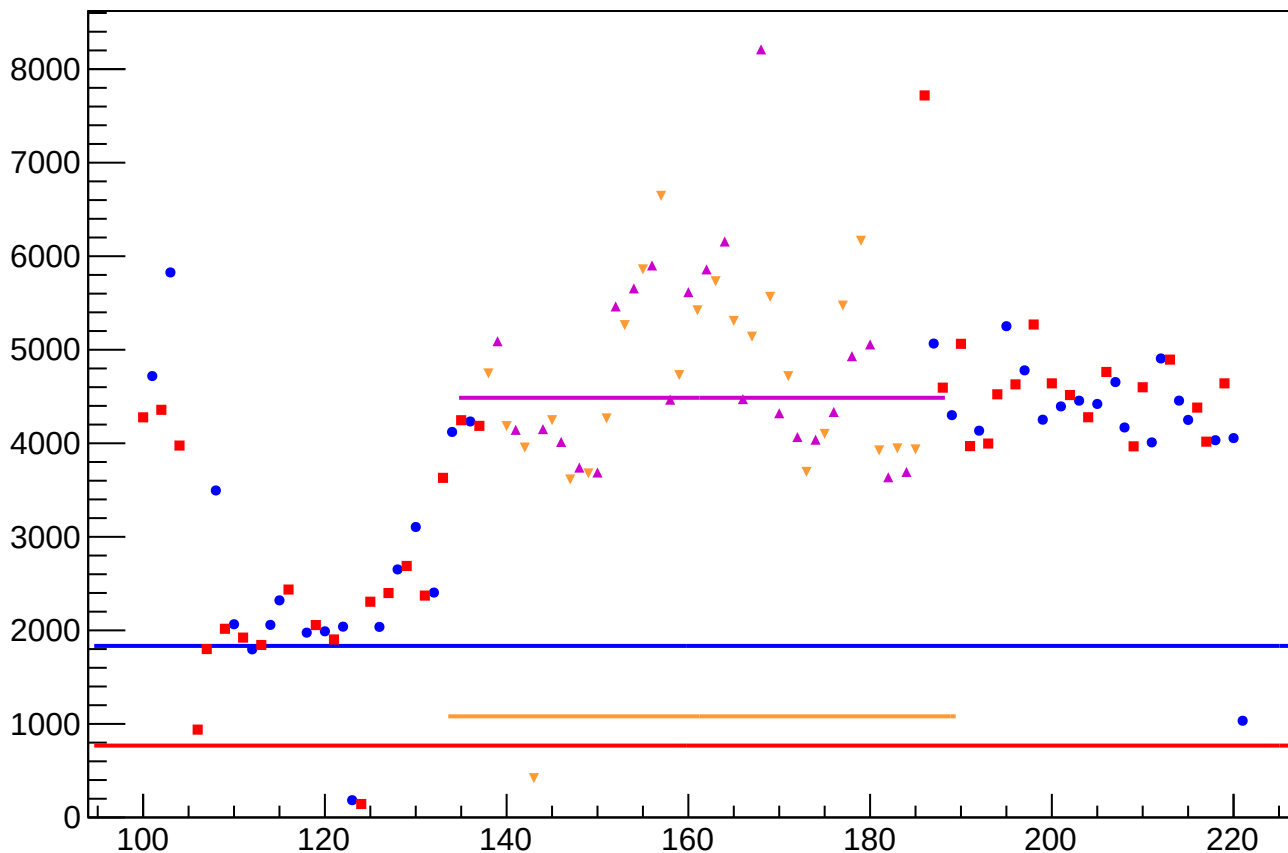
Left In: 88.508+/-1094.838 χ^2/NDF : 13.4/22

+ sign 624.331+/-343.342 χ^2/NDF : 70.8/59

All: 345.885+/-237.332 χ^2/NDF : 151.2/119

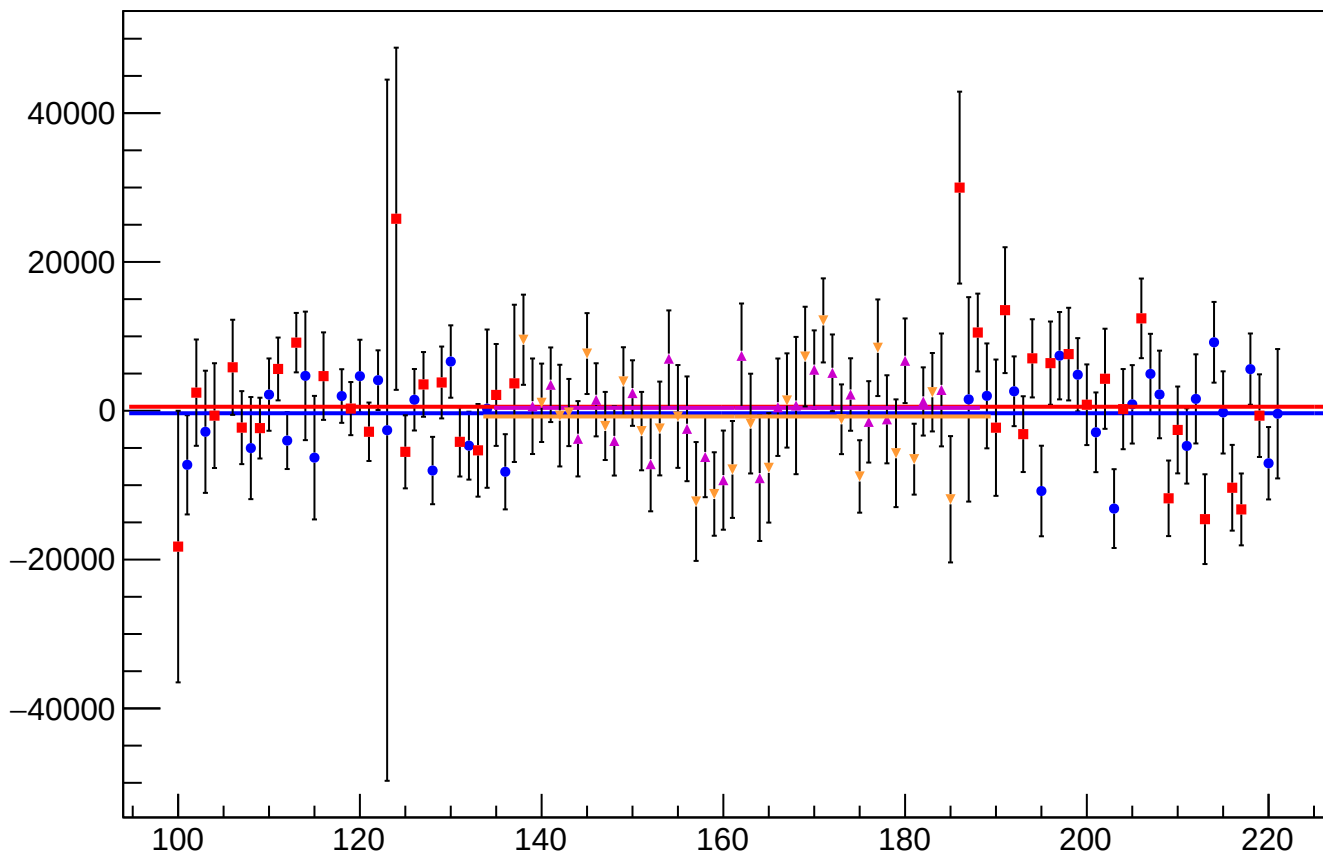
- sign 91.102+/-328.429 χ^2/NDF : 79.1/59

asym_atl_dd_correction_rms vs Slug



Right In: 1833.950+/-0.388	χ^2/NDF : 16931479.6/34	+ sign 1376.174+/-0.243	χ^2/NDF : 43680180.4/59
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1233.574+/-0.168	χ^2/NDF : 95080735.7/1
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: -333.788+/-914.663 χ^2/NDF : 35.8/34

Left Out: -766.008+/-1147.372 χ^2/NDF : 29.9/24

Right Out: 540.007+/-902.088 χ^2/NDF : 60.9/36

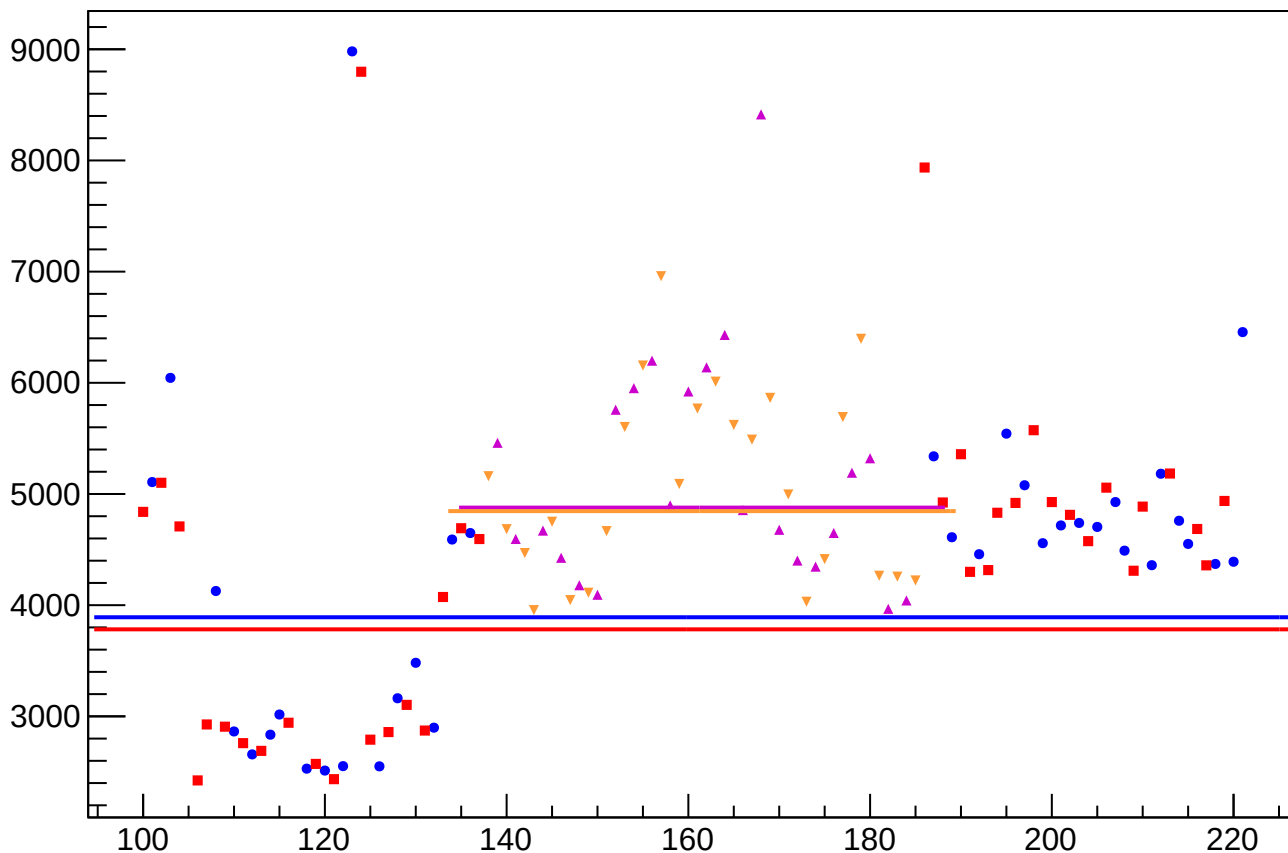
Left In: 388.944+/-1186.300 χ^2/NDF : 14.2/22

+ sign -501.733+/-715.214 χ^2/NDF : 65.8/59

All: -10.497+/-506.737 χ^2/NDF : 141.9/119

- sign 484.660+/-718.062 χ^2/NDF : 75.1/59

asym_atl_dd_rms vs Slug



Right In: 3891.315+/-0.647 χ^2/NDF : 2656271.4/34

Left Out: 4845.779+/-0.811 χ^2/NDF : 909173.9/24

Right Out: 3782.551+/-0.633 χ^2/NDF : 3004227.9/36

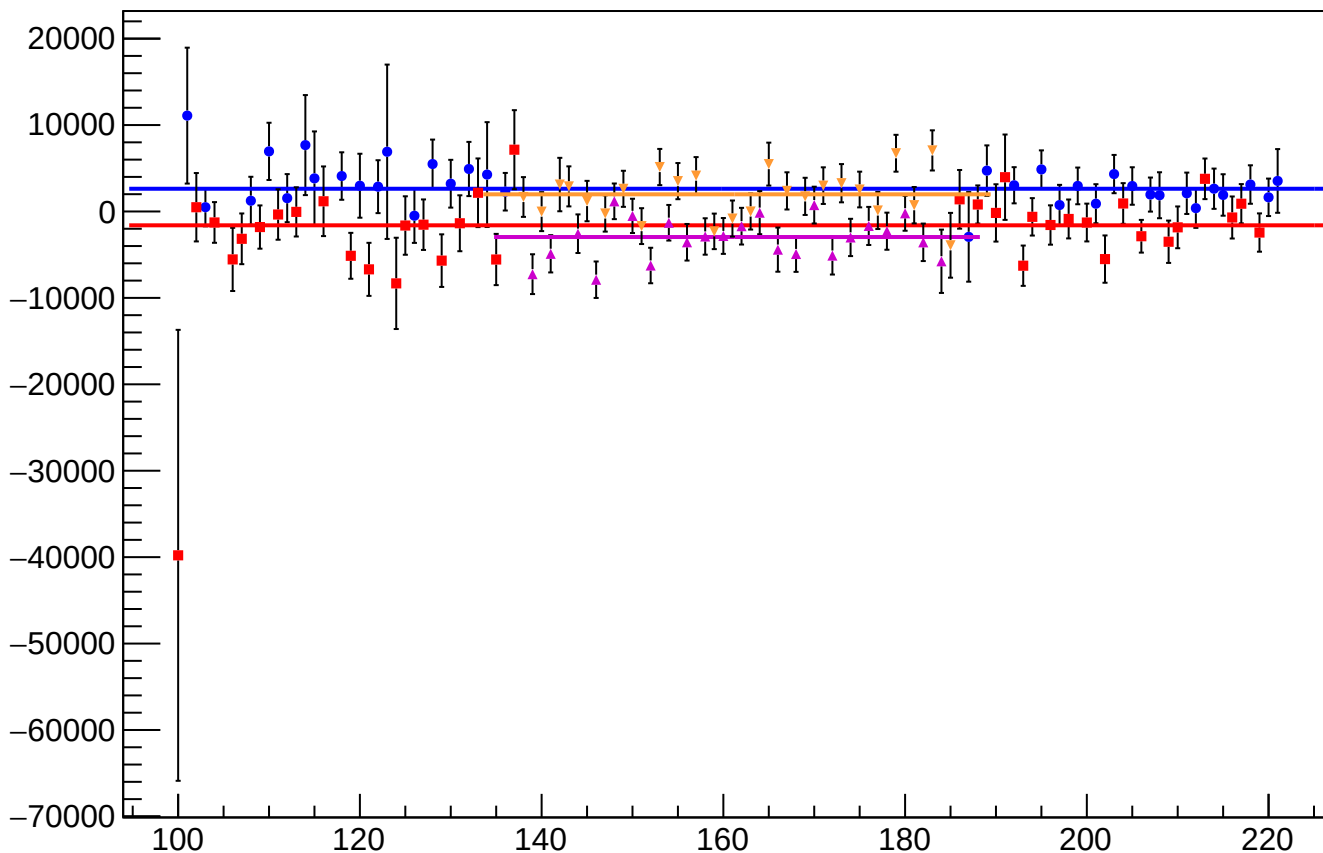
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4262.185+/-0.506 χ^2/NDF : 4411682.2/59

All: 4221.086+/-0.357 χ^2/NDF : 9472934.6/11

- sign 4180.038+/-0.505 χ^2/NDF : 5048052.2/59

reg_asym_atr_avg_mean vs Slug



Right In: 2629.069 ± 453.102 χ^2/NDF : 14.4/34

Left Out: 1985.469 ± 443.190 χ^2/NDF : 32.4/24

Right Out: -1601.393 ± 451.066 χ^2/NDF : 37.9/36

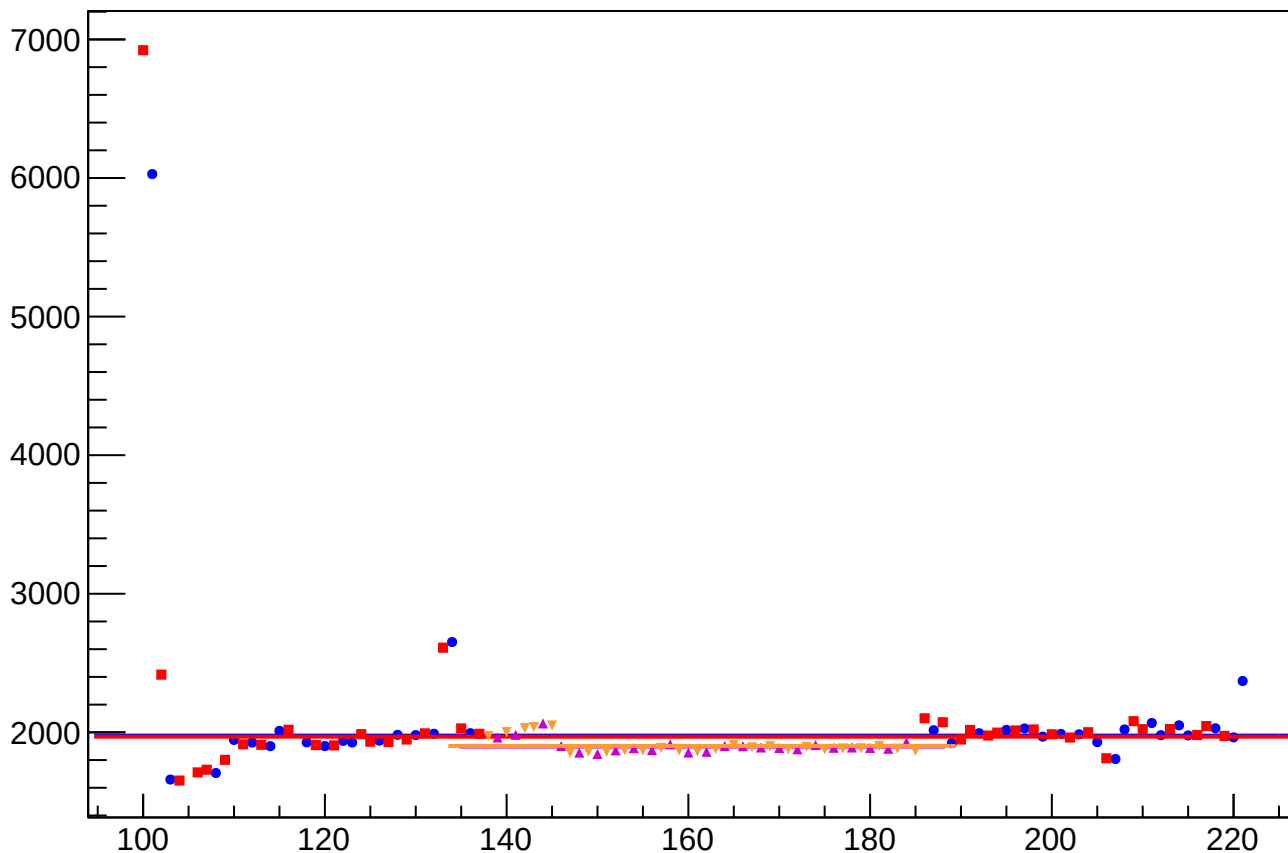
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2300.152 ± 316.829 χ^2/NDF : 47.9/59

All: 37.395 ± 225.206 χ^2/NDF : 221.8/119

- sign -2273.434 ± 320.177 χ^2/NDF : 70.8/59

reg_asym_atr_avg_rms vs Slug



Right In: 1976.329+/-0.320 χ^2/NDF : 667179.4/34

Left Out: 1901.884+/-0.313 χ^2/NDF : 30446.9/24

Right Out: 1968.536+/-0.319 χ^2/NDF : 257500.3/36

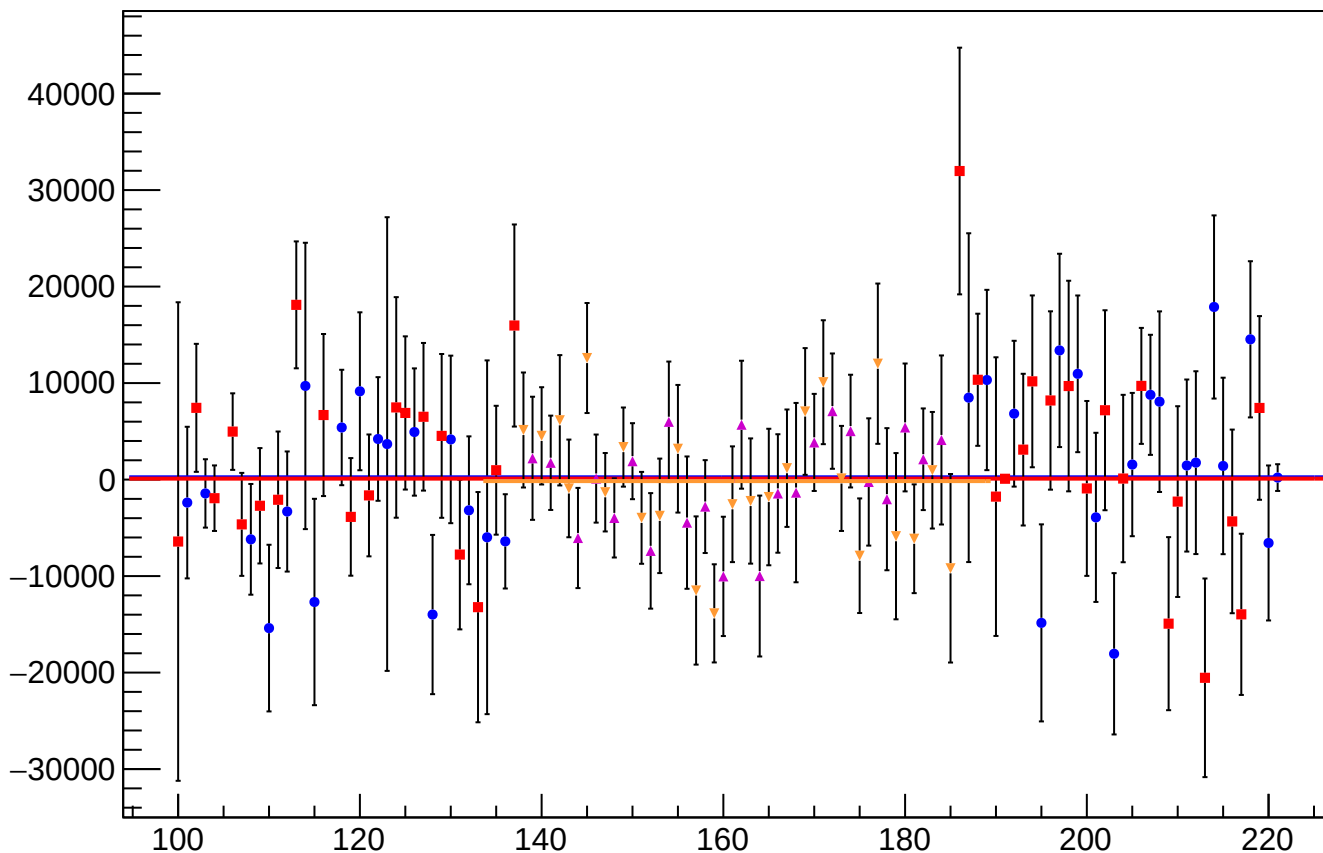
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1938.283+/-0.224 χ^2/NDF : 725218.4/59

All: 1935.817+/-0.159 χ^2/NDF : 1028806.1/11

- sign 1933.300+/-0.226 χ^2/NDF : 303342.9/59

asym_atr_avg_correction_mean vs Slug



Right In: 237.502 $\pm$ 949.568 χ^2 /NDF: 38.0/34

Left Out: -157.539 $\pm$ 1165.844 χ^2 /NDF:29.5/24

Right Out: 99.164 $\pm$ 109.506 χ^2 /NDF: 44.6/36

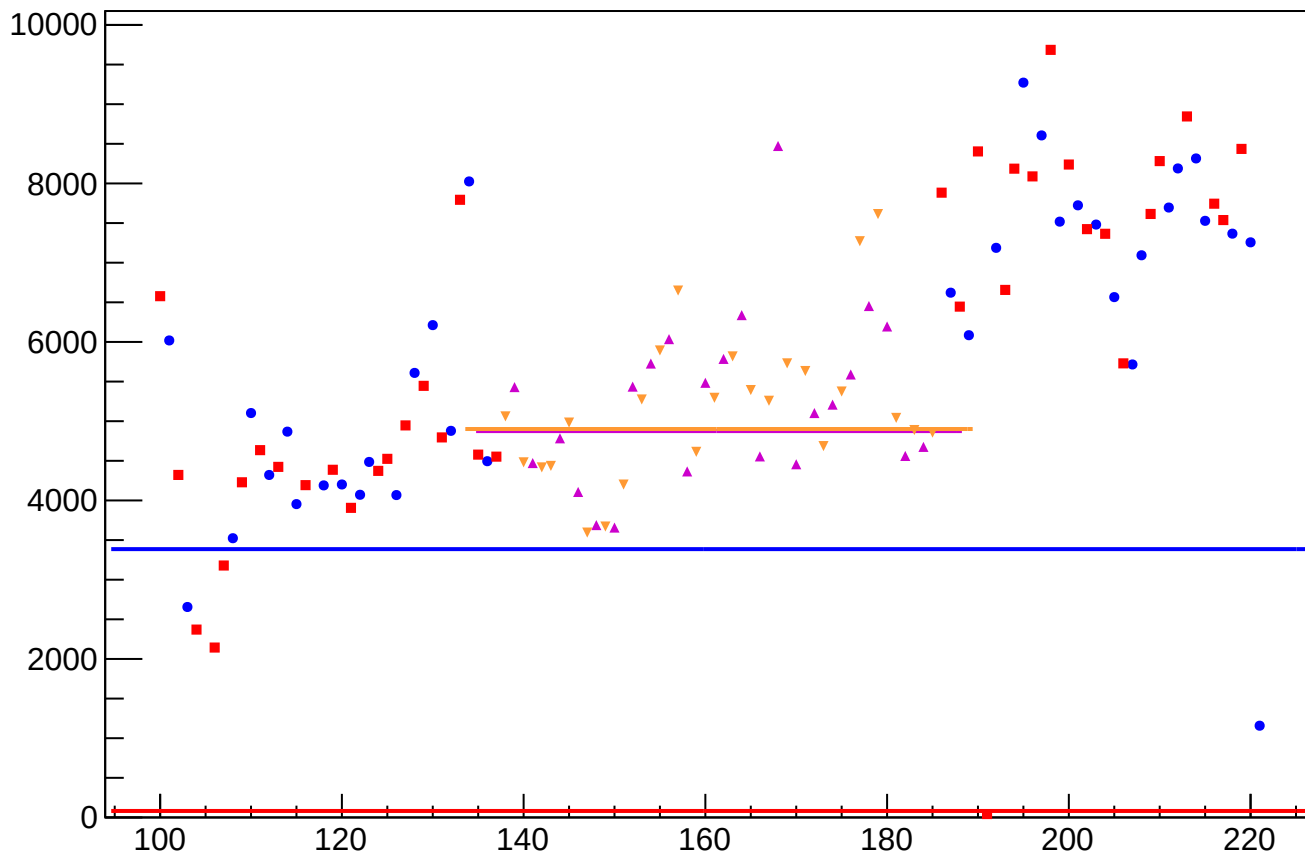
Left In: -139.000 $\pm$ 1190.889 χ^2 /NDF:14.7/22

+ sign 79.952 $\pm$ 736.256 χ^2 /NDF: 67.6/59

All: 96.797 $\pm$ 107.870 χ^2 /NDF: 127.0/119

- sign 97.167 $\pm$ 109.046 χ^2 /NDF: 59.4/59

asym_atr_avg_correction_rms vs Slug



Right In: 3385.789+/-0.671 χ^2/NDF : 13685284.4/34

Left Out: 4901.357+/-0.824 χ^2/NDF : 1136916.0/24

Right Out: 81.904+/-0.077 χ^2/NDF : 37282169.6/36

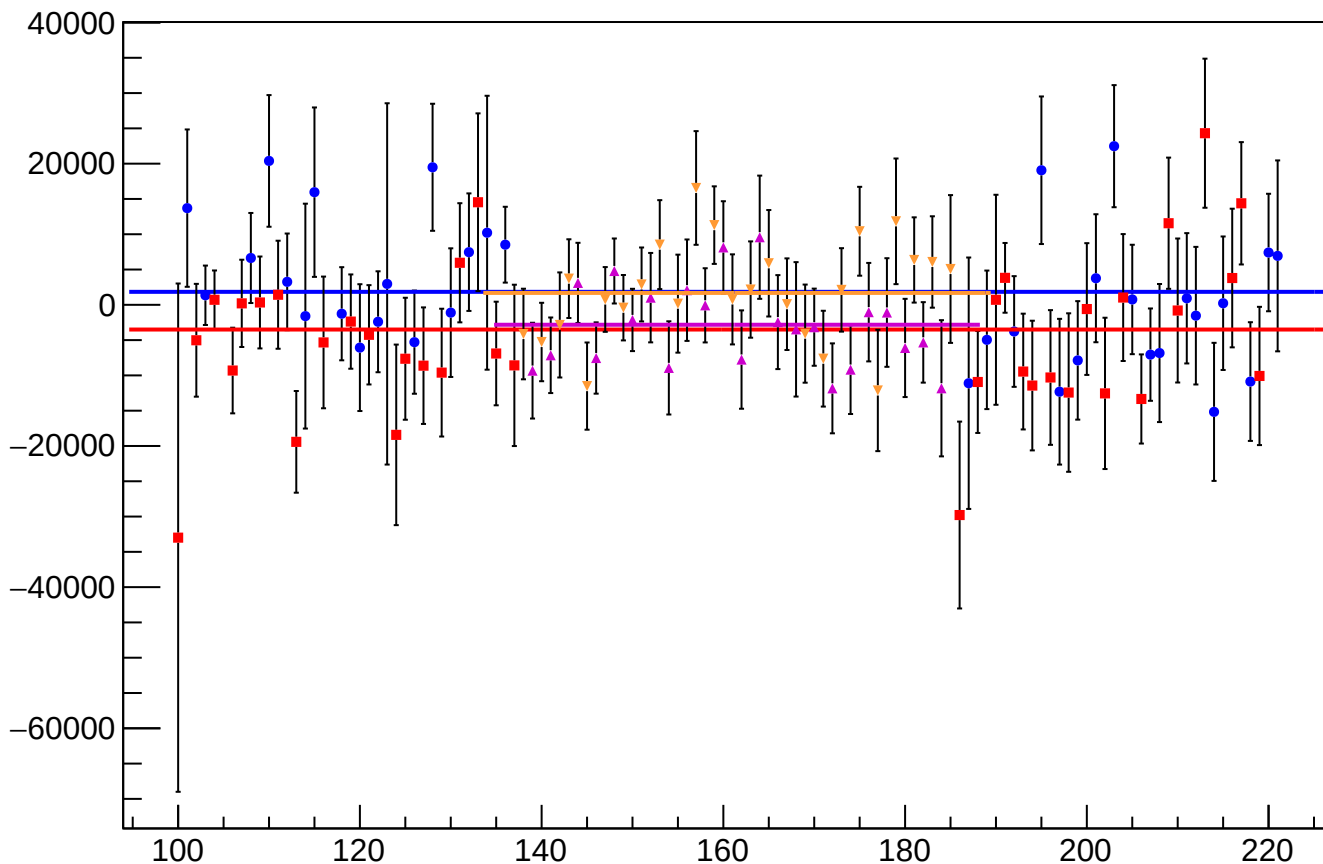
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 3990.227+/-0.521 χ^2/NDF : 16854110.6/59

All: 205.124+/-0.076 χ^2/NDF : 141513082.6/100

- sign 122.092+/-0.077 χ^2/NDF : 70639323.9/59

asym_atr_avg_mean vs Slug



Right In: 1839.583+/-1413.491 χ^2/NDF : 37.5/34

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -3501.460+/-1321.511 χ^2/NDF : 43.0/36

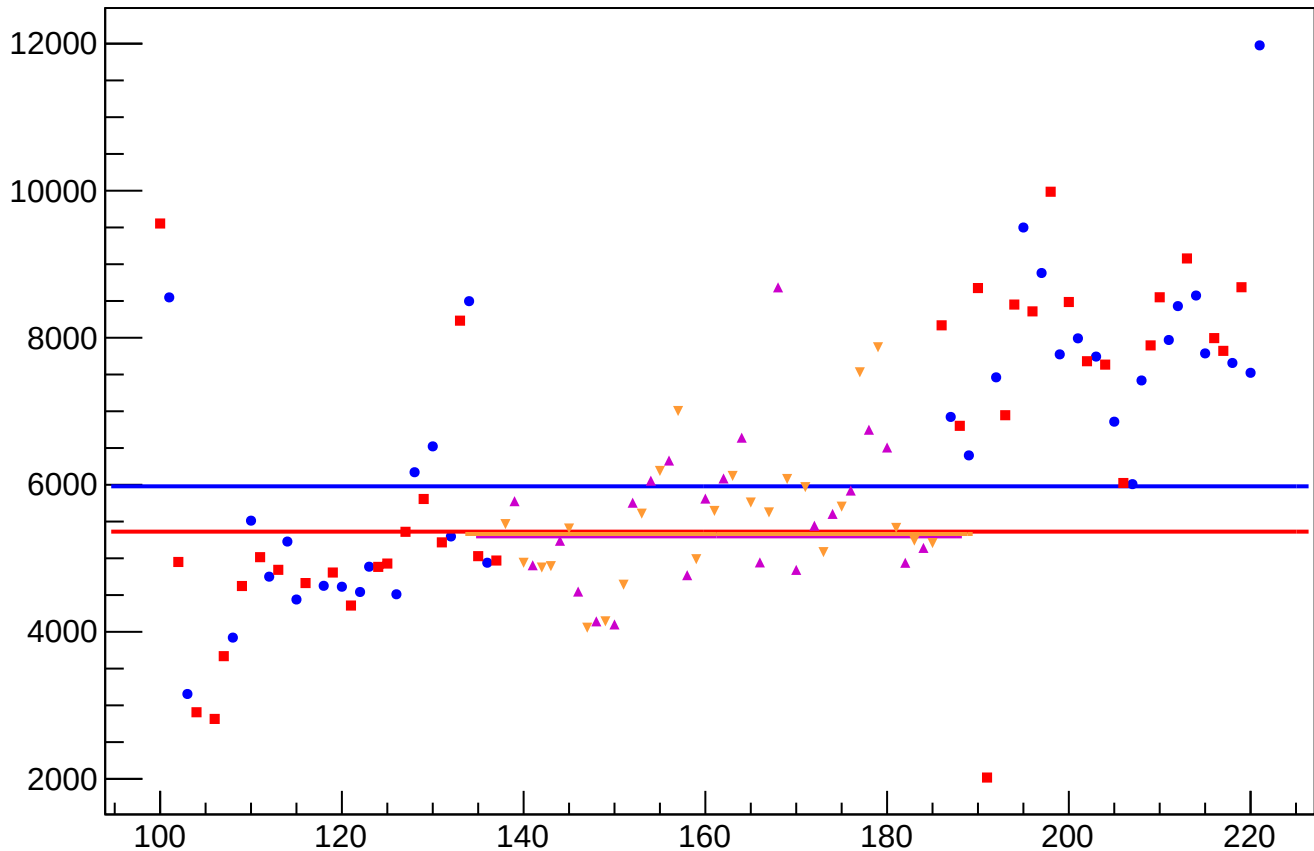
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 1754.398+/-941.243 χ^2/NDF : 62.9/59

All: -749.183+/-658.842 χ^2/NDF : 137.9/119

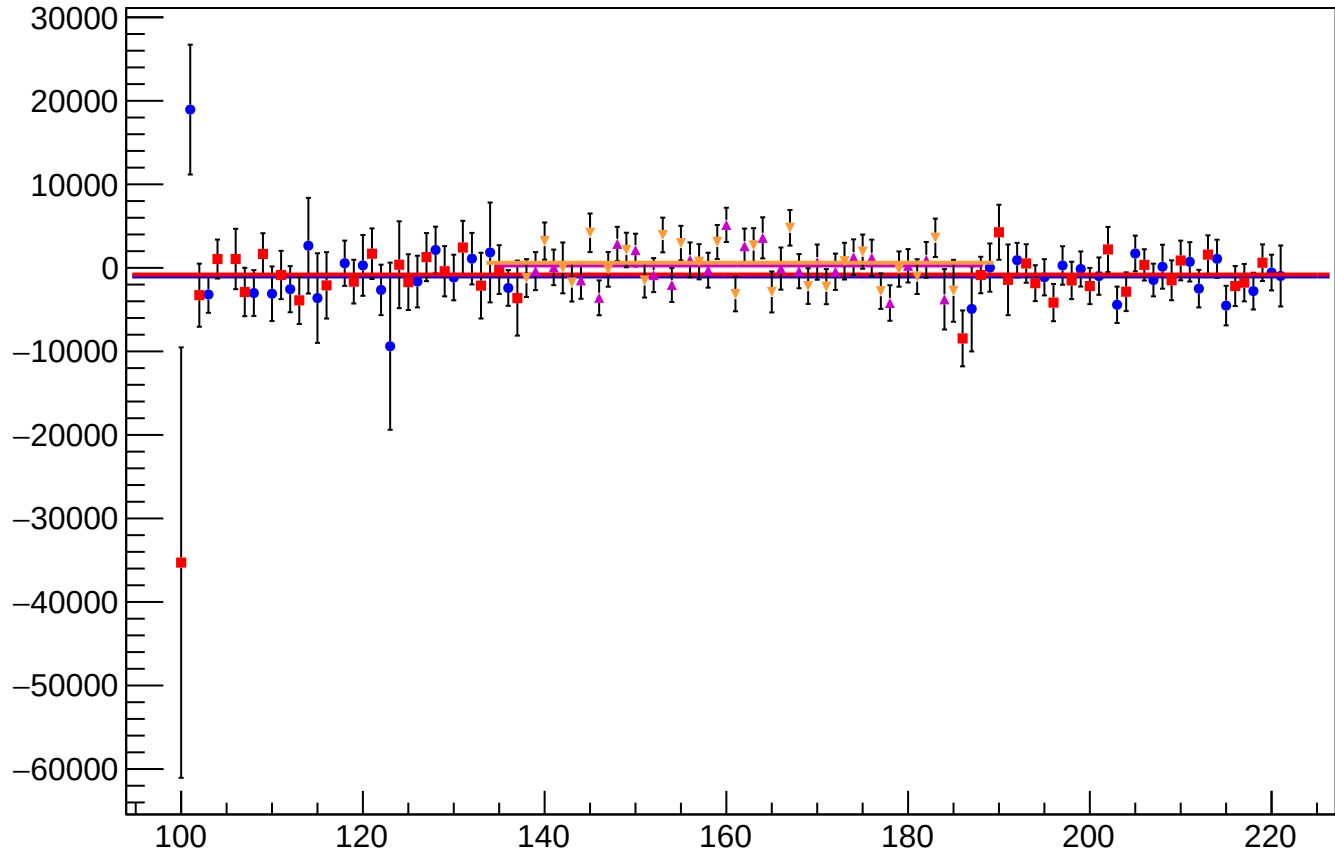
- sign -3154.181+/-922.526 χ^2/NDF : 61.1/59

asym_atr_avg_rms vs Slug



Right In: 5979.189+/-0.999	χ^2/NDF : 3530111.8/34	+ sign 5618.269+/-0.666	χ^2/NDF : 4632457.2/59
Left Out: 5330.725+/-0.892	χ^2/NDF : 868061.7/24	All: 5470.924+/-0.465	χ^2/NDF : 10817888.5/100
Right Out: 5362.788+/-0.931	χ^2/NDF : 5131025.6/36	- sign 5329.851+/-0.651	χ^2/NDF : 6089495.2/59
Left In: 5298.329+/-0.911	χ^2/NDF : 956021.6/22		

reg_asym_atr_dd_mean vs Slug



Right In: -1029.094 ± 447.212 χ^2/NDF : 24.5/34

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -798.149 ± 444.568 χ^2/NDF : 24.9/36

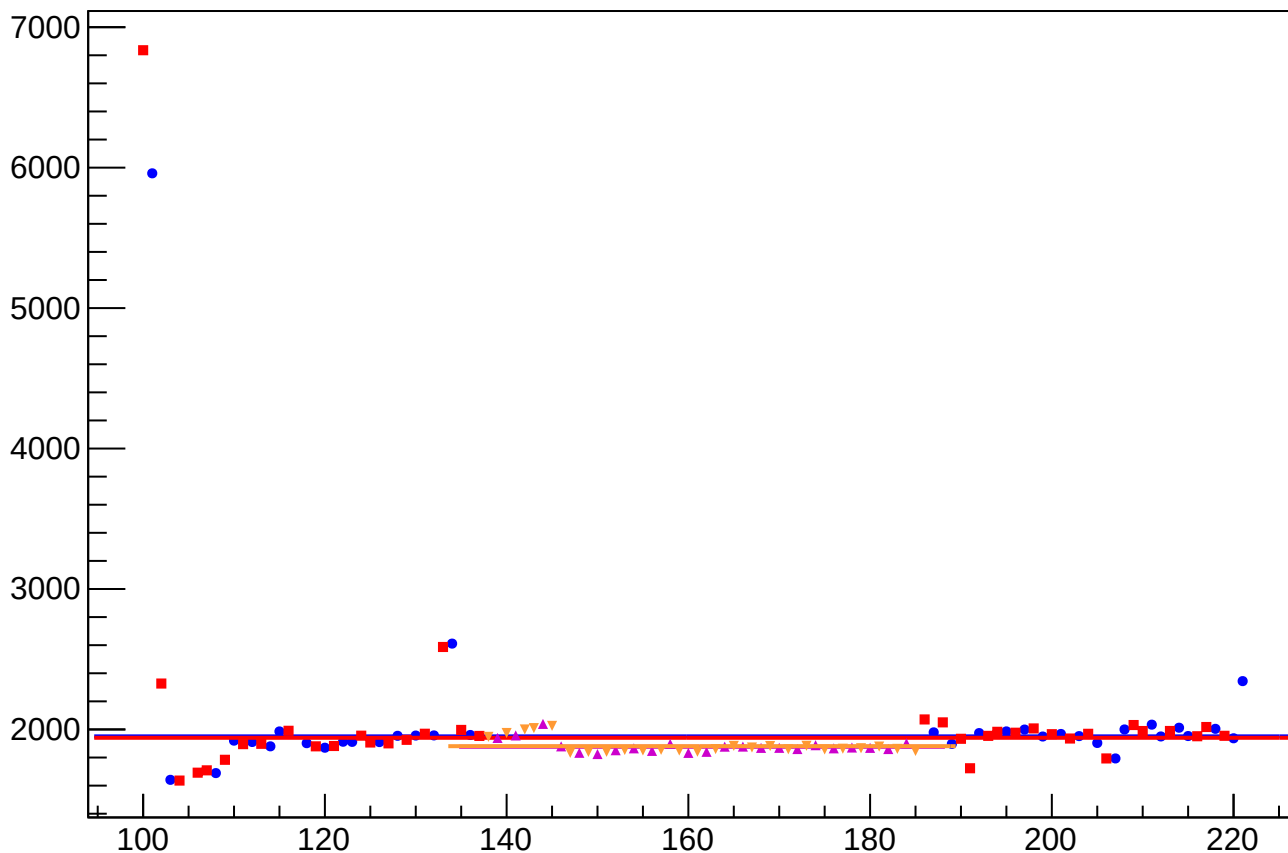
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign -191.804 ± 313.015 χ^2/NDF : 64.0/59

All: -224.913 ± 222.422 χ^2/NDF : 115.6/119

- sign -258.681 ± 316.112 χ^2/NDF : 51.5/59

reg_asym_atr_dd_rms vs Slug



Right In: 1950.725 $\pm$ 0.316 χ^2 /NDF: 663443.5/34

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

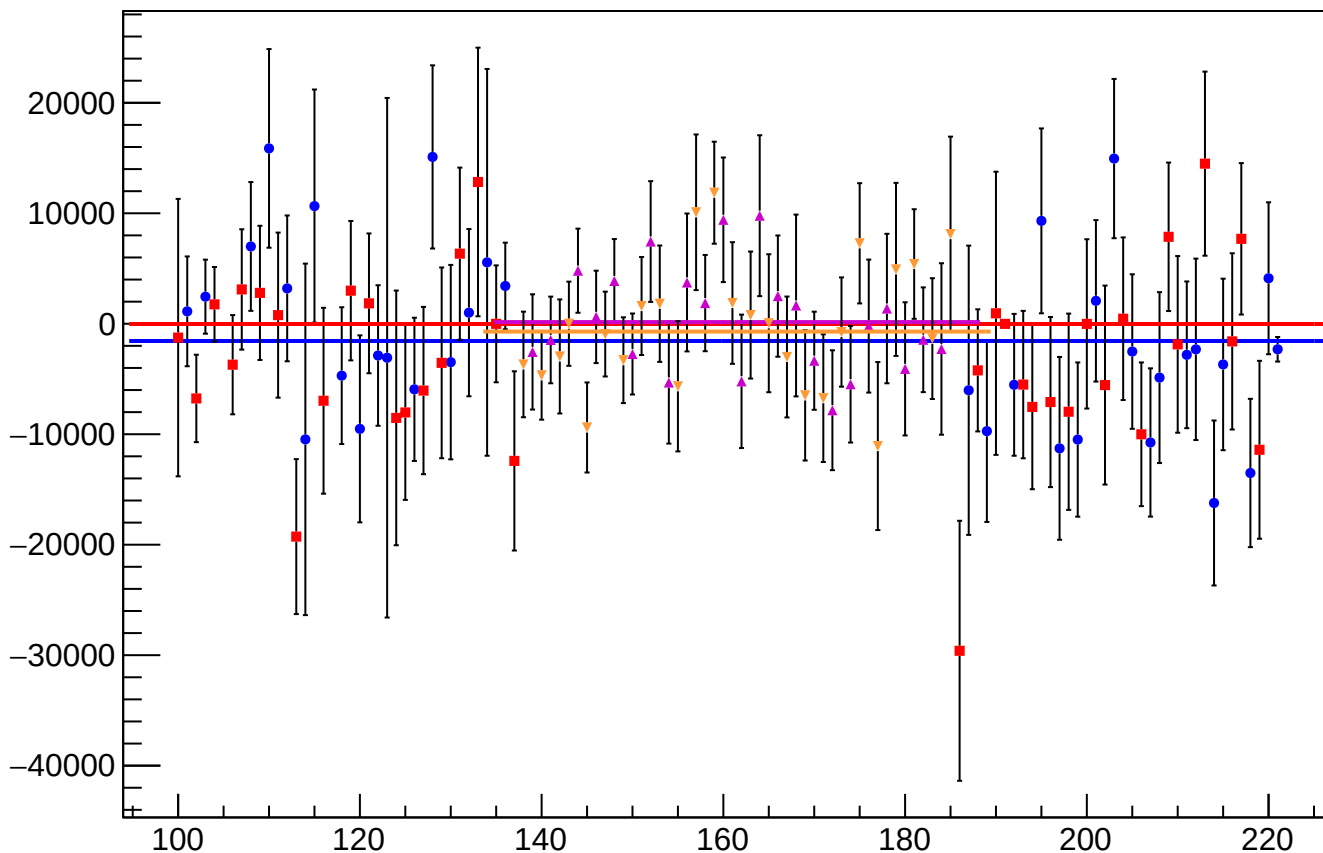
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1915.060 $\pm$ 0.221 χ^2 /NDF: 717035.1/59

All: 1912.092 $\pm$ 0.157 χ^2 /NDF: 1012032.7/11

- sign 1909.067 $\pm$ 0.223 χ^2 /NDF: 294634.4/59

asym_atr_dd_correction_mean vs Slug



Right In: -1559.570 ± 809.741 $\chi^2/\text{NDF}: 39.5/34$

Left Out: -707.785 ± 1017.719 $\chi^2/\text{NDF}: 27.1/24$

Right Out: -22.226 ± 85.763 $\chi^2/\text{NDF}: 40.2/36$

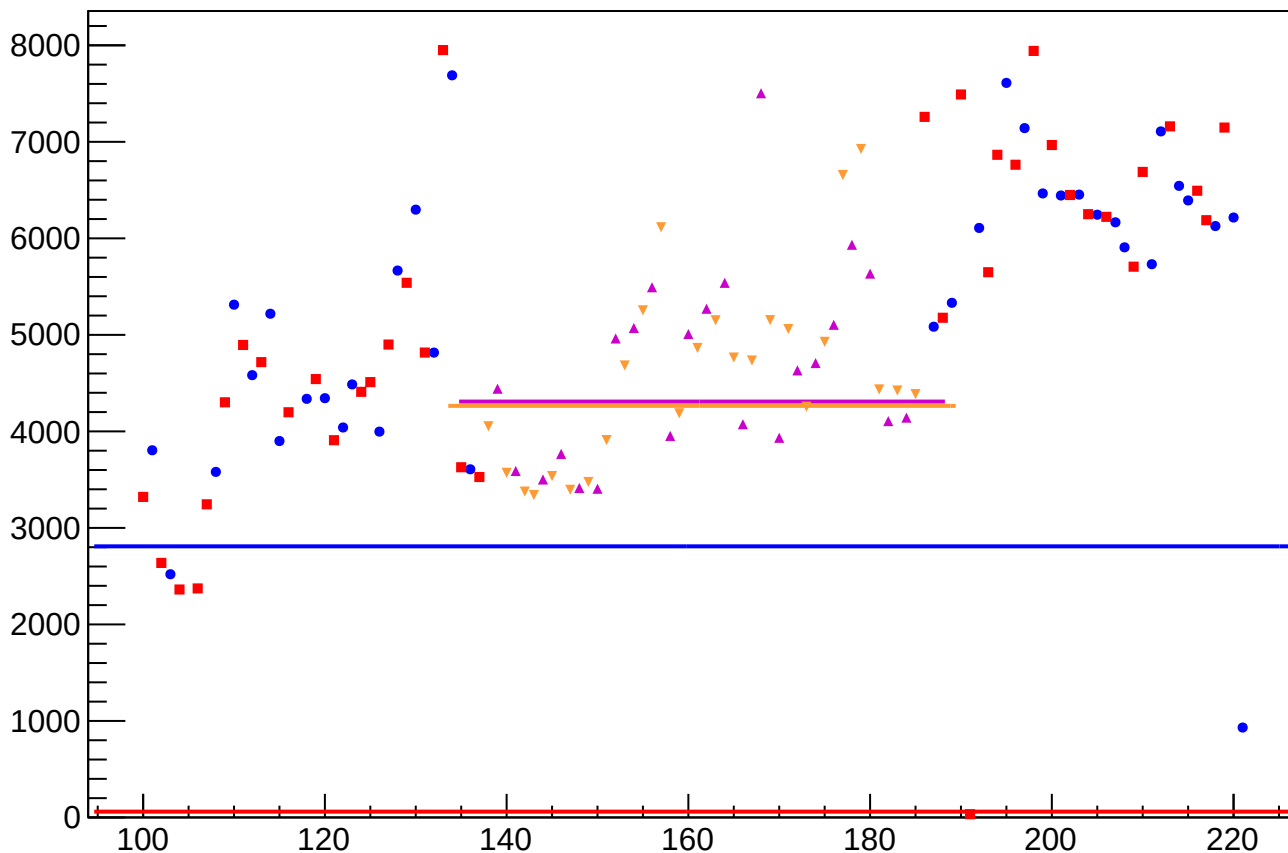
Left In: 150.495 ± 1053.655 $\chi^2/\text{NDF}: 16.9/22$

+ sign -1229.377 ± 633.646 $\chi^2/\text{NDF}: 67.0/59$

All: -42.685 ± 84.713 $\chi^2/\text{NDF}: 127.7/119$

- sign -21.089 ± 85.481 $\chi^2/\text{NDF}: 57.1/59$

asym_atr_dd_correction_rms vs Slug



Right In: 2809.010 $\pm$ 0.573 χ^2 /NDF: 15143291.0/34

Left Out: 4264.433 $\pm$ 0.720 χ^2 /NDF:1354900.8/24

Right Out: 60.351 $\pm$ 0.061 χ^2 /NDF: 37471355.1/36

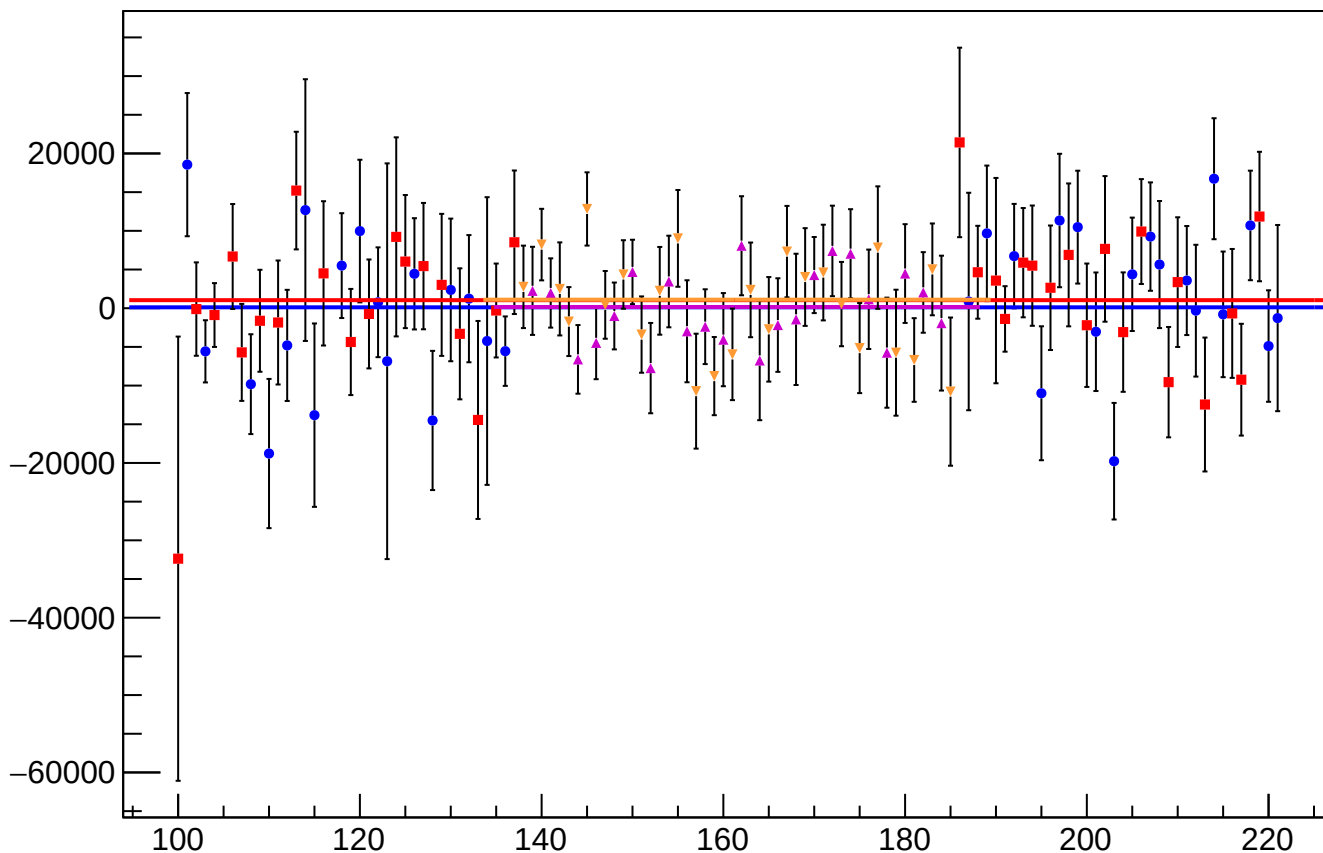
Left In: 4309.034 $\pm$ 0.745 χ^2 /NDF:1305133.3/22

+ sign 3373.202 $\pm$ 0.448 χ^2 /NDF: 19002881.5/59

All: 147.027 $\pm$ 0.060 χ^2 /NDF: 142873849.5/1

- sign 88.314 $\pm$ 0.060 χ^2 /NDF: 71081792.1/59

asym_atr_dd_mean vs Slug



Right In: 116.200 ± 1302.104 $\chi^2/\text{NDF}: 45.8/34$

Left Out: 1102.204 ± 1126.663 $\chi^2/\text{NDF}: 28.6/24$

Right Out: 1039.648 ± 1222.485 $\chi^2/\text{NDF}: 27.4/36$

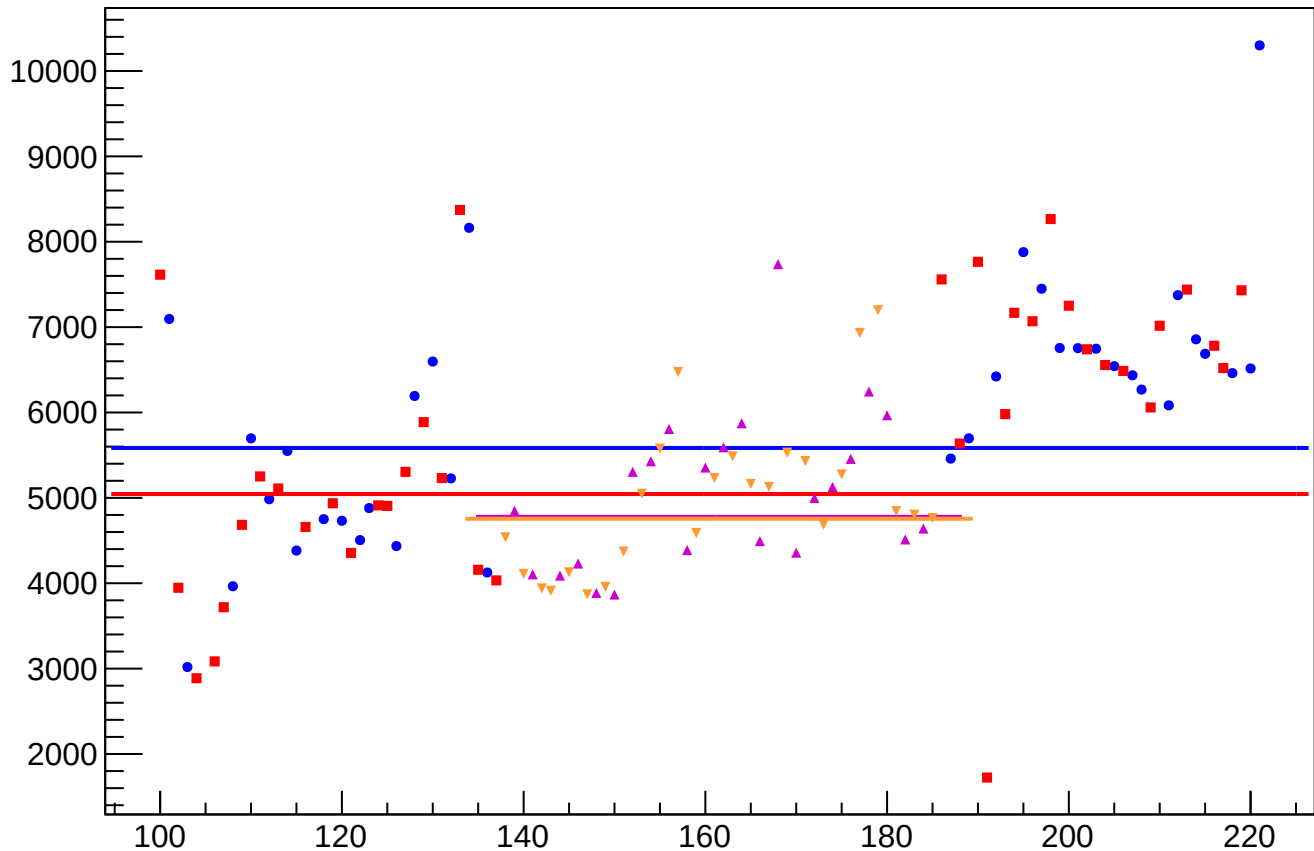
Left In: 158.683 ± 1161.507 $\chi^2/\text{NDF}: 15.5/22$

+ sign 680.056 ± 851.998 $\chi^2/\text{NDF}: 74.7/59$

All: 627.744 ± 598.903 $\chi^2/\text{NDF}: 117.9/119$

- sign 576.647 ± 842.042 $\chi^2/\text{NDF}: 43.2/59$

asym_atr_dd_rms vs Slug



Right In: 5584.650+/-0.921 χ^2/NDF : 2510429.4/34

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

Right Out: 5044.843+/-0.862 χ^2/NDF : 4164296.0/36

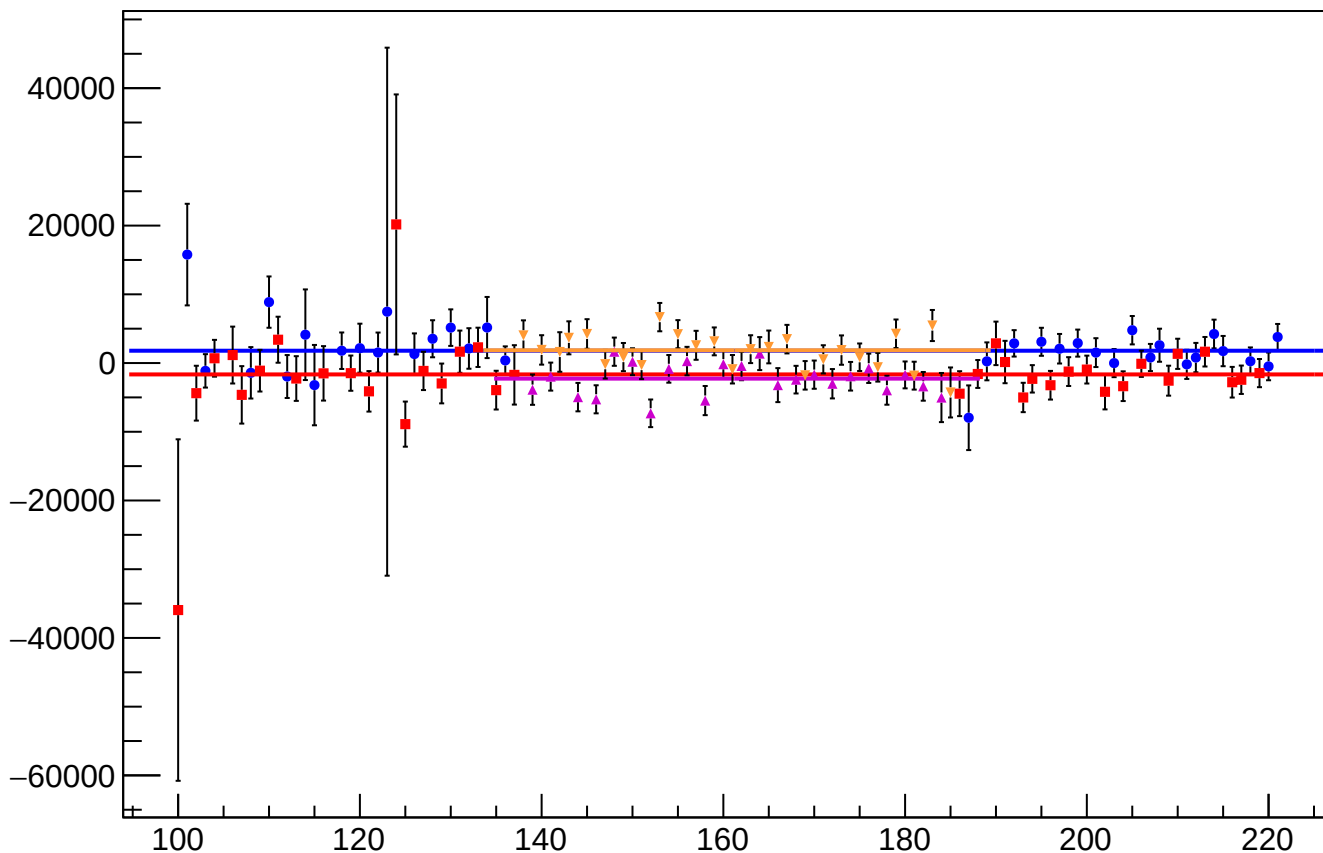
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 5110.426+/-0.602 χ^2/NDF : 3927649.4/59

All: 5006.313+/-0.423 χ^2/NDF : 9151491.0/11

- sign 4904.900+/-0.595 χ^2/NDF : 5164886.0/59

reg_asym_at1_avg_mean vs Slug



Right In: 1792.620 ± 424.124 $\chi^2/\text{NDF}: 29.1/34$

Left Out: 1856.570 ± 430.977 $\chi^2/\text{NDF}: 30.0/24$

Right Out: -1655.410 ± 432.024 $\chi^2/\text{NDF}: 30.8/36$

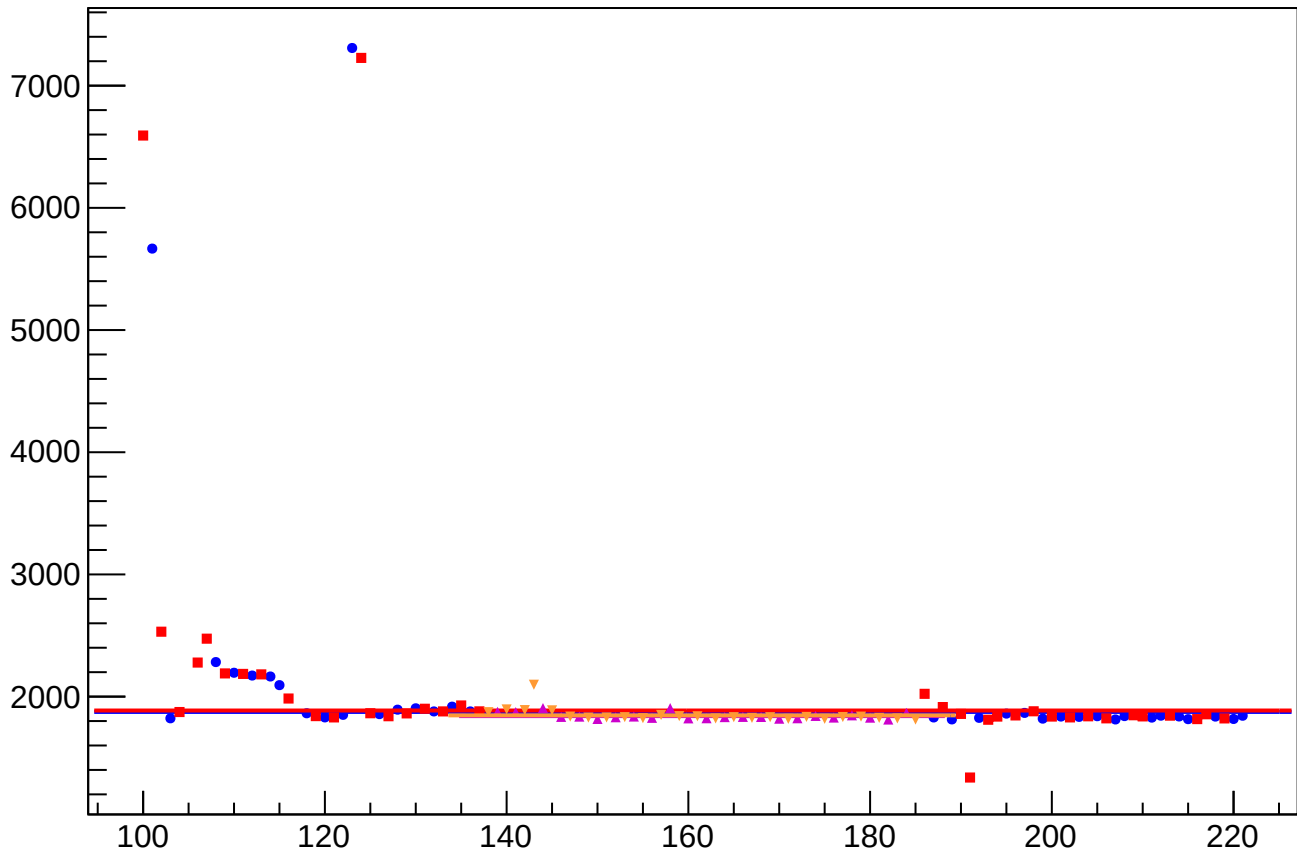
Left In: -2268.464 ± 441.710 $\chi^2/\text{NDF}: 26.9/22$

+ sign 1824.082 ± 302.294 $\chi^2/\text{NDF}: 59.1/59$

All: -24.965 ± 216.037 $\chi^2/\text{NDF}: 194.2/119$

- sign -1955.142 ± 308.855 $\chi^2/\text{NDF}: 58.6/59$

reg_asym_at1_avg_rms vs Slug



Right In: 1874.683 $\pm$ 0.300 χ^2 /NDF: 646504.8/34

Left Out: 1846.602 $\pm$ 0.305 χ^2 /NDF: 27302.8/24

Right Out: 1886.245 $\pm$ 0.305 χ^2 /NDF: 481528.0/36

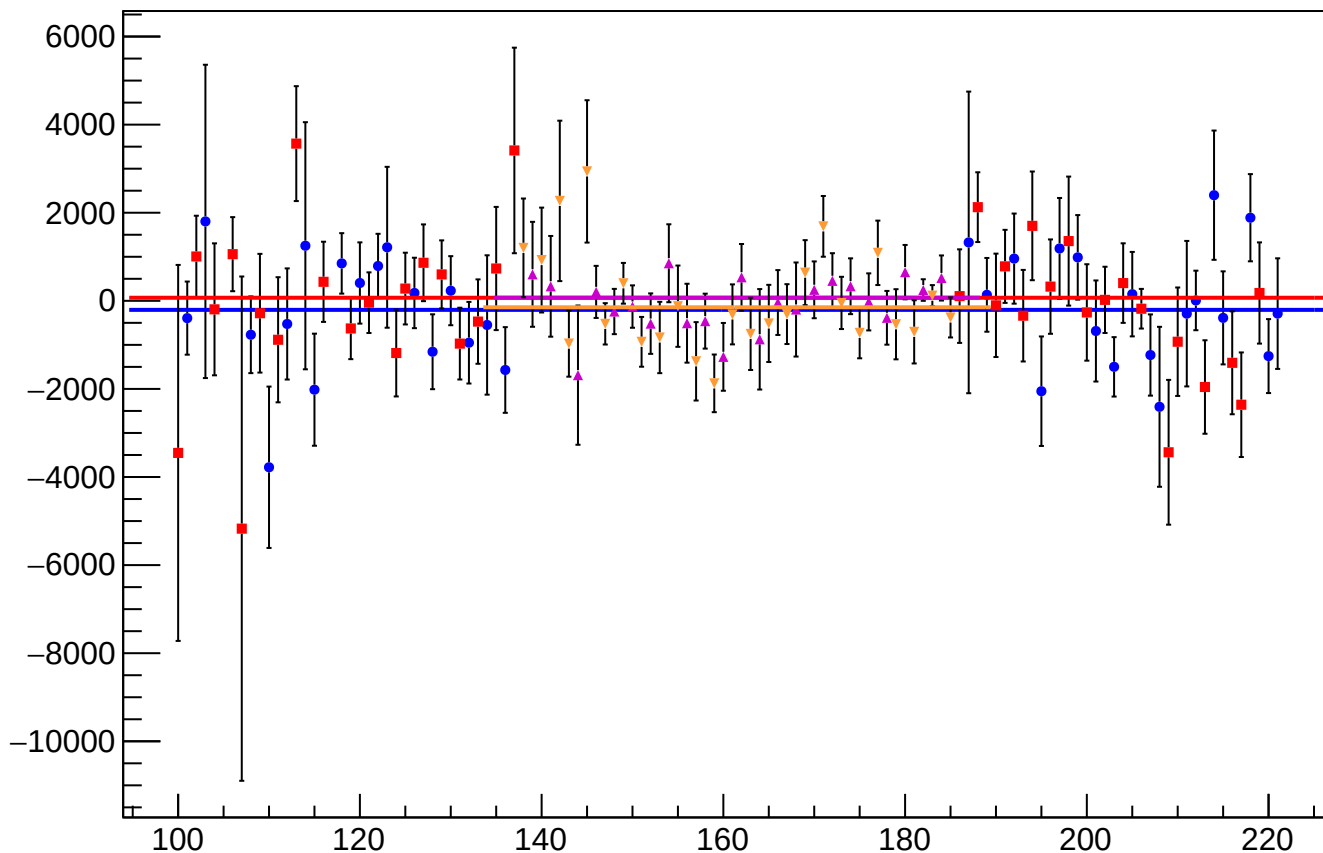
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

+ sign 1860.868 $\pm$ 0.214 χ^2 /NDF: 678121.1/59

All: 1862.351 $\pm$ 0.153 χ^2 /NDF: 1177431.2/11

- sign 1863.900 $\pm$ 0.218 χ^2 /NDF: 499211.6/59

asym_at1_avg_correction_mean vs Slug



Right In: -205.182 ± 169.849 $\chi^2/\text{NDF}: 39.6/34$

Left Out: -146.999 ± 121.984 $\chi^2/\text{NDF}: 37.7/24$

Right Out: 69.816 ± 159.302 $\chi^2/\text{NDF}: 45.5/36$

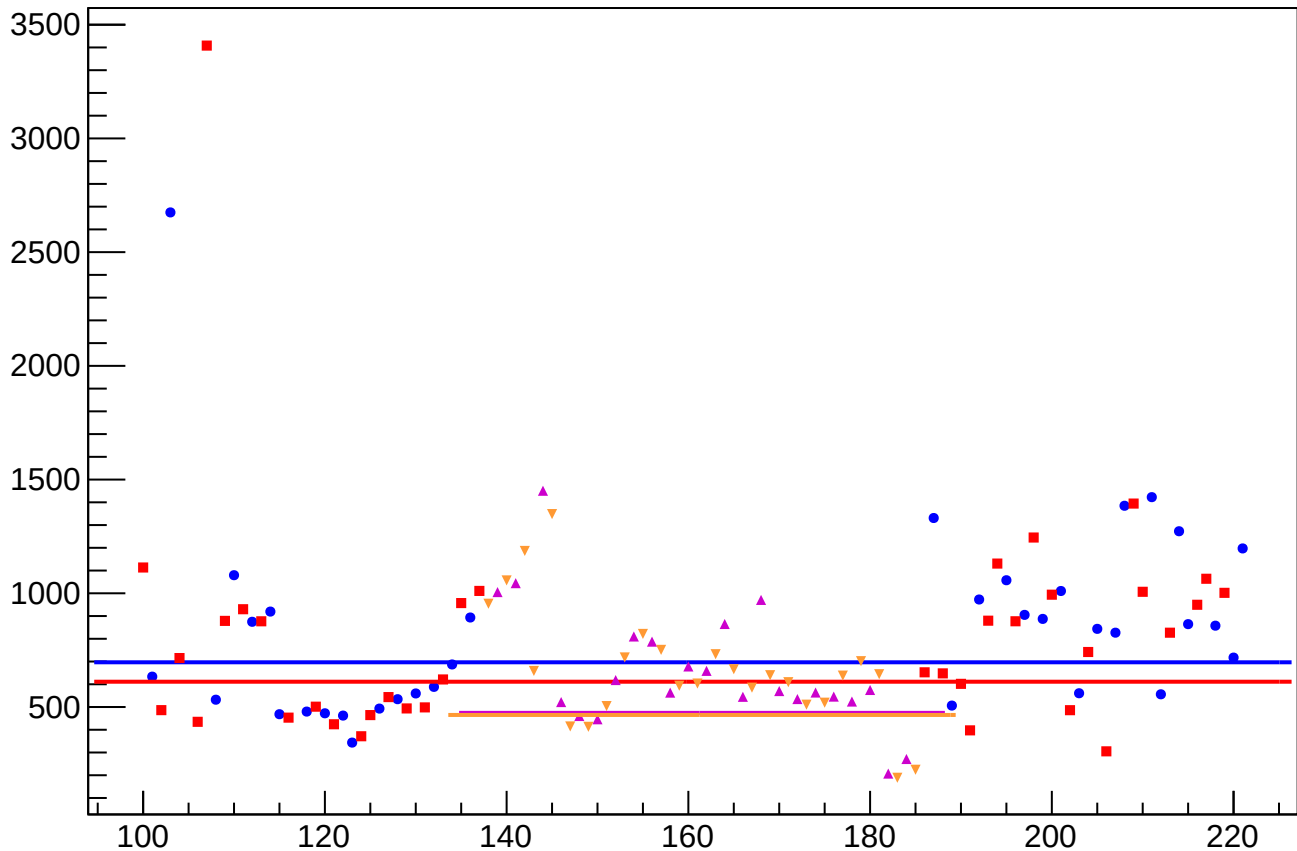
Left In: 70.340 ± 126.373 $\chi^2/\text{NDF}: 12.3/22$

+ sign -166.797 ± 99.079 $\chi^2/\text{NDF}: 77.3/59$

All: -48.240 ± 70.033 $\chi^2/\text{NDF}: 138.0/119$

- sign 70.138 ± 99.004 $\chi^2/\text{NDF}: 57.8/59$

asym_at1_avg_correction_rms vs Slug



Right In: 696.604 $\pm$ 0.120 χ^2 /NDF: 4317166.0/34

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

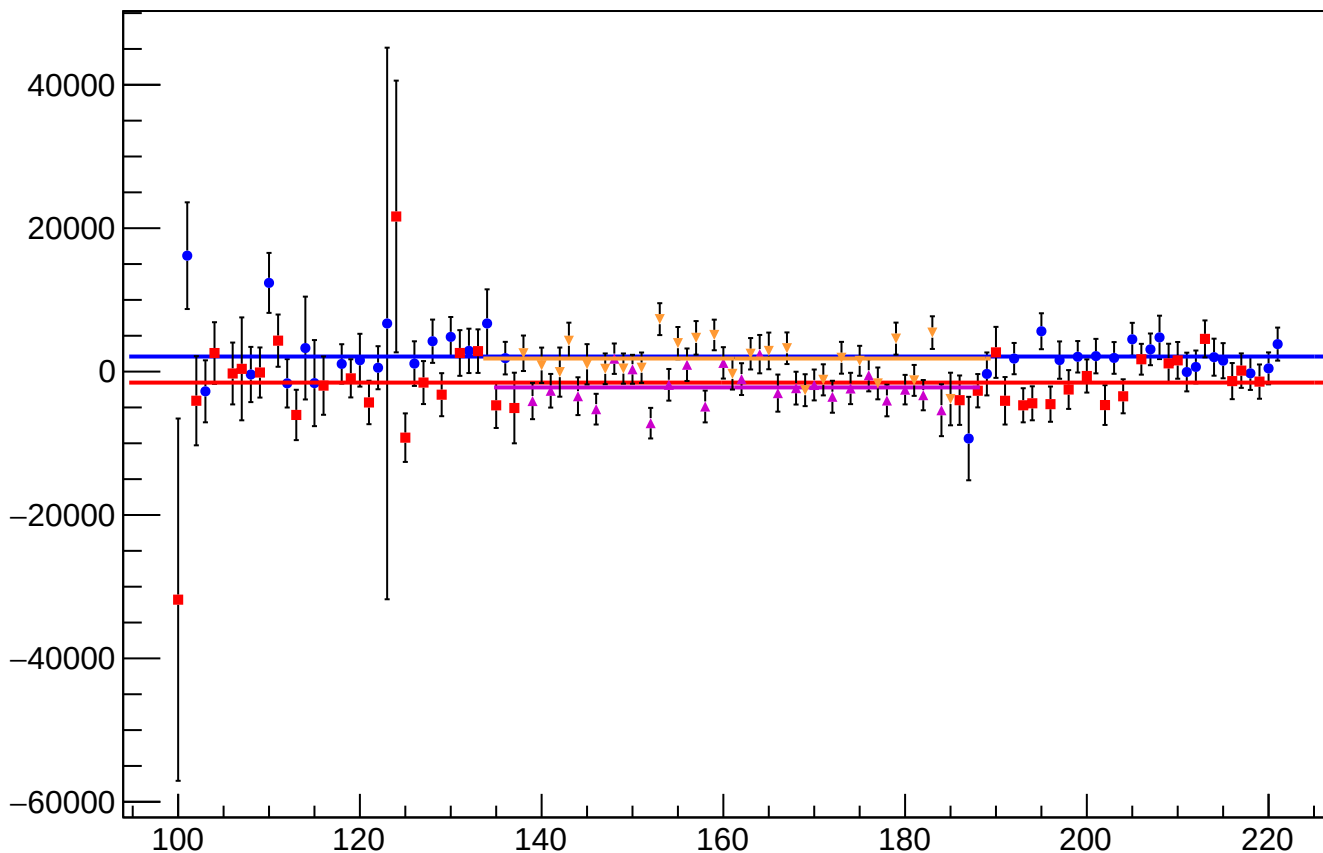
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

+ sign 543.863 $\pm$ 0.070 χ^2 /NDF: 13854920.6/59

All: 535.508 $\pm$ 0.050 χ^2 /NDF: 26409760.5/1

- sign 527.165 $\pm$ 0.070 χ^2 /NDF: 12526413.5/59

asym_at1_avg_mean vs Slug



Right In: 2100.745 $\pm$ 482.181 χ^2 /NDF: 27.8/34

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

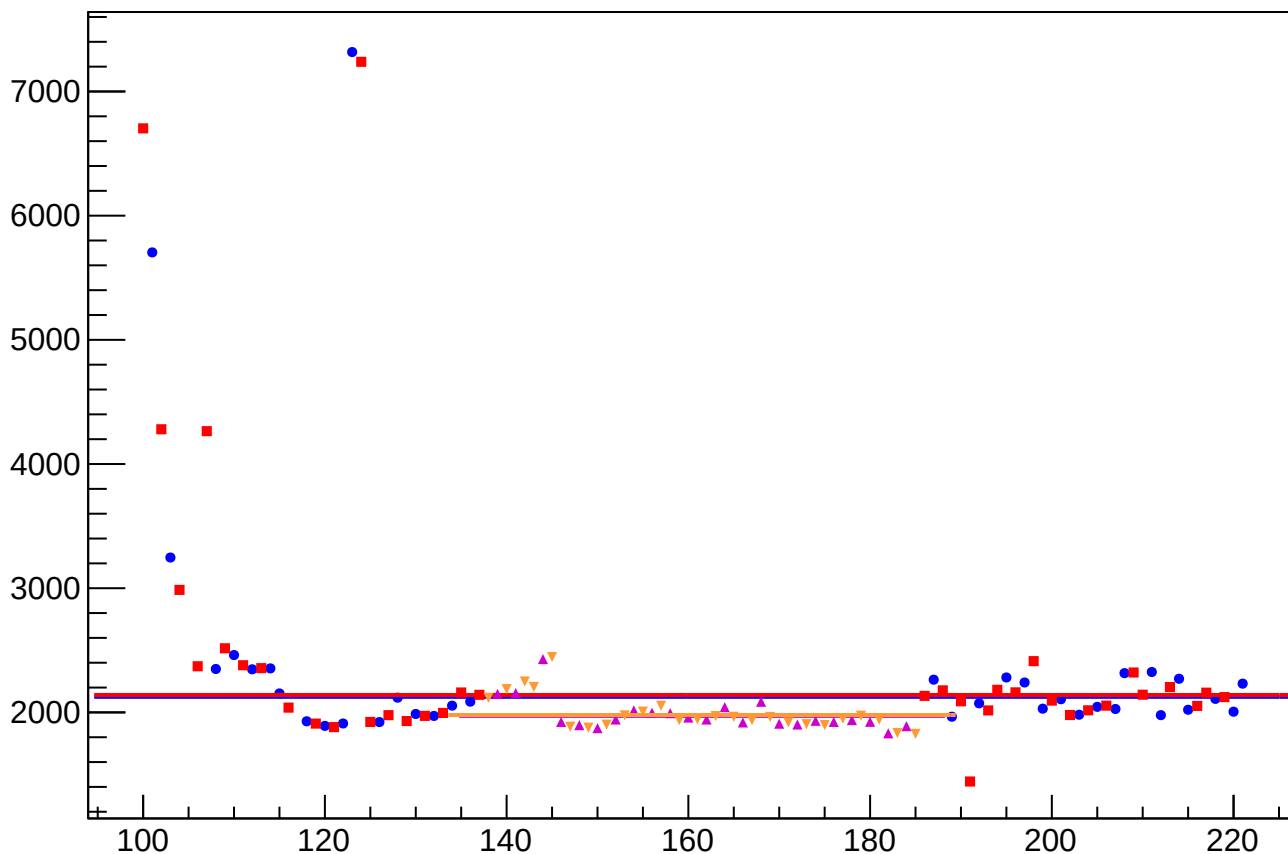
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 1956.702 $\pm$ 333.851 χ^2 /NDF: 60.1/59

All: 80.727 $\pm$ 238.799 χ^2 /NDF: 191.8/119

- sign -1884.657 $\pm$ 341.714 χ^2 /NDF: 67.0/59

asym_at1_avg_rms vs Slug



Right In: 2125.431 ± 0.341 χ^2/NDF : 797851.8/34

Left Out: 1978.997 ± 0.327 χ^2/NDF : 139299.8/24

Right Out: 2140.367 ± 0.349 χ^2/NDF : 954399.6/36

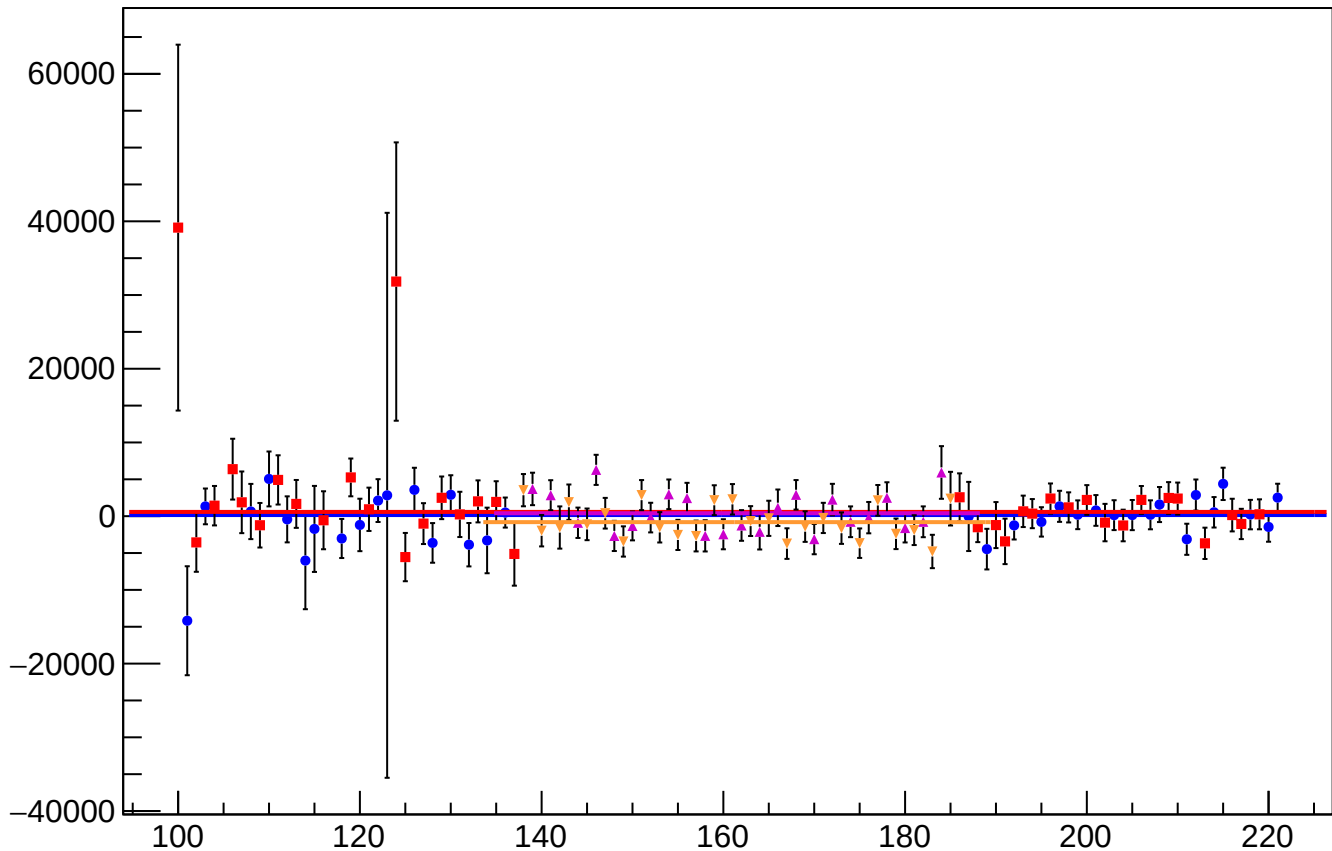
Left In: 1972.166 ± 0.335 χ^2/NDF : 116452.5/22

+ sign 2049.195 ± 0.236 χ^2/NDF : 1033182.5/59

All: 2051.038 ± 0.169 χ^2/NDF : 2225117.6/11

- sign 2052.969 ± 0.242 χ^2/NDF : 1191810.3/59

reg_asym_at1_dd_mean vs Slug



Right In: 152.154+/-421.231 χ^2/NDF : 30.0/34

Left Out: -808.436+/-430.304 χ^2/NDF : 27.9/24

Right Out: 578.239+/-428.760 χ^2/NDF : 33.5/36

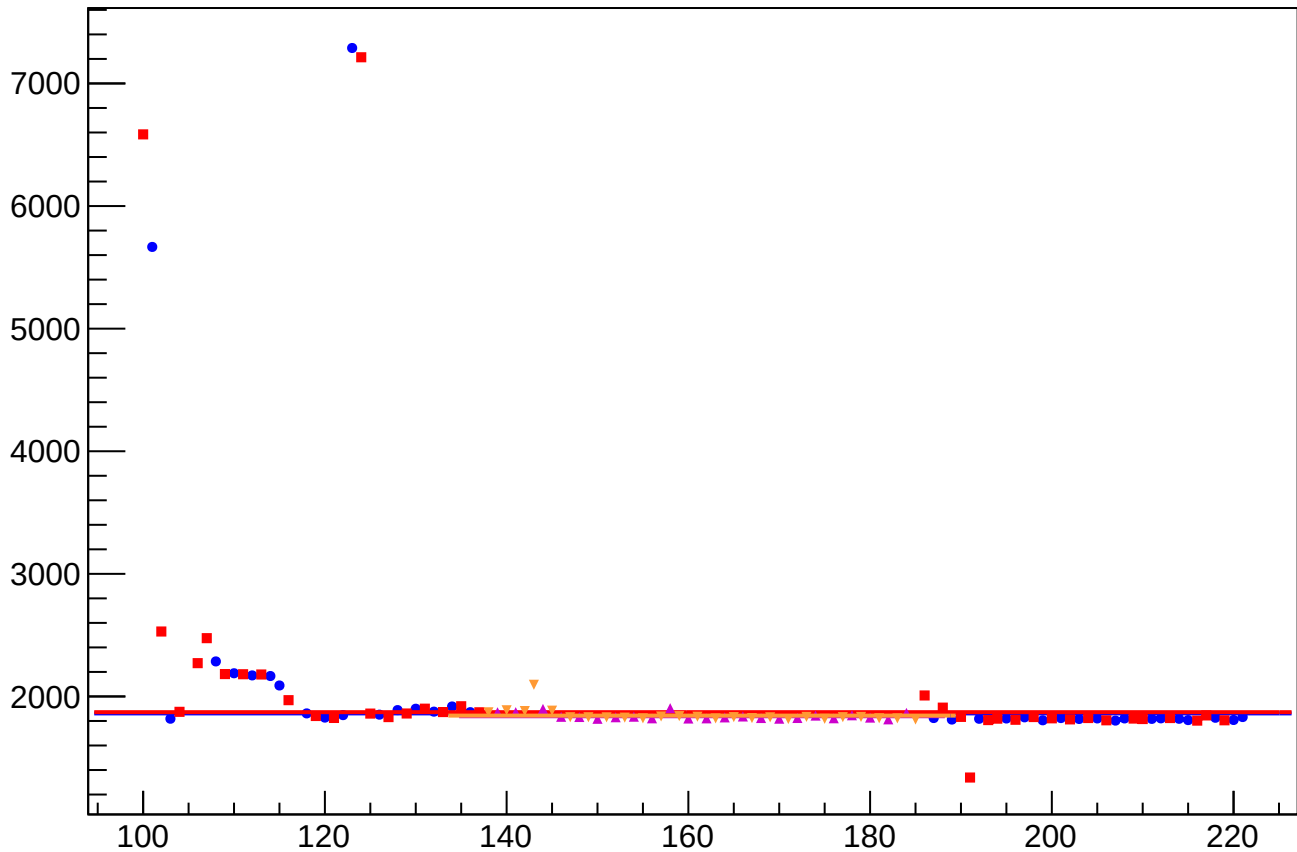
Left In: 398.797+/-441.246 χ^2/NDF : 34.4/22

+ sign -317.907+/-301.012 χ^2/NDF : 60.5/59

All: 77.970+/-215.104 χ^2/NDF : 132.0/119

- sign 491.093+/-307.498 χ^2/NDF : 68.0/59

reg_asym_at1_dd_rms vs Slug



Right In: 1861.710+/-0.298 χ^2/NDF : 656069.3/34

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

Right Out: 1871.800+/-0.303 χ^2/NDF : 490439.9/36

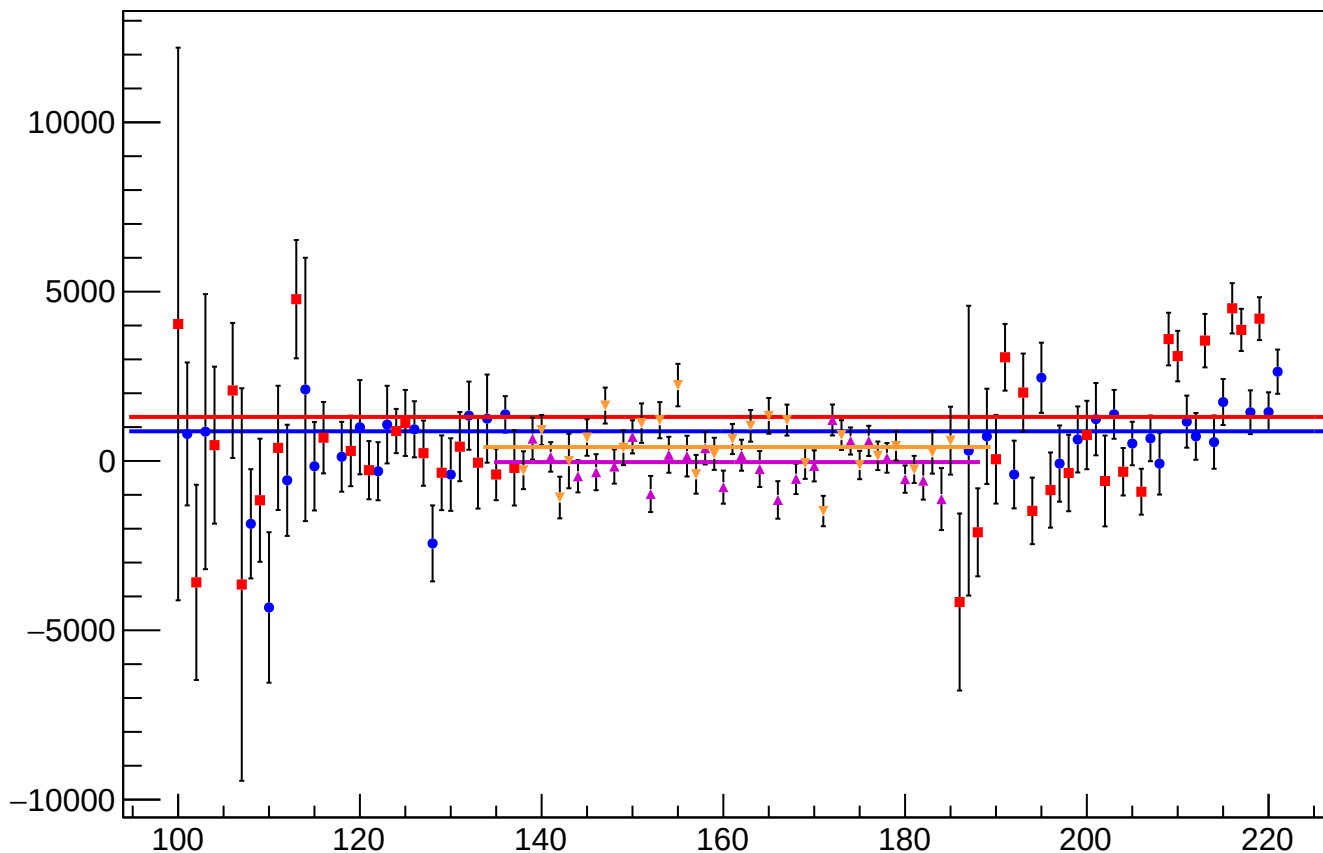
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1852.920+/-0.213 χ^2/NDF : 684716.5/59

All: 1854.271+/-0.152 χ^2/NDF : 1187393.7/118

- sign 1855.682+/-0.217 χ^2/NDF : 502594.9/59

asym_at1_dd_correction_mean vs Slug



Right In: 876.389 ± 154.664 χ^2/NDF : 41.4/34

Left Out: 411.072 ± 100.456 χ^2/NDF : 61.2/24

Right Out: 1301.214 ± 163.370 χ^2/NDF : 154.4/36

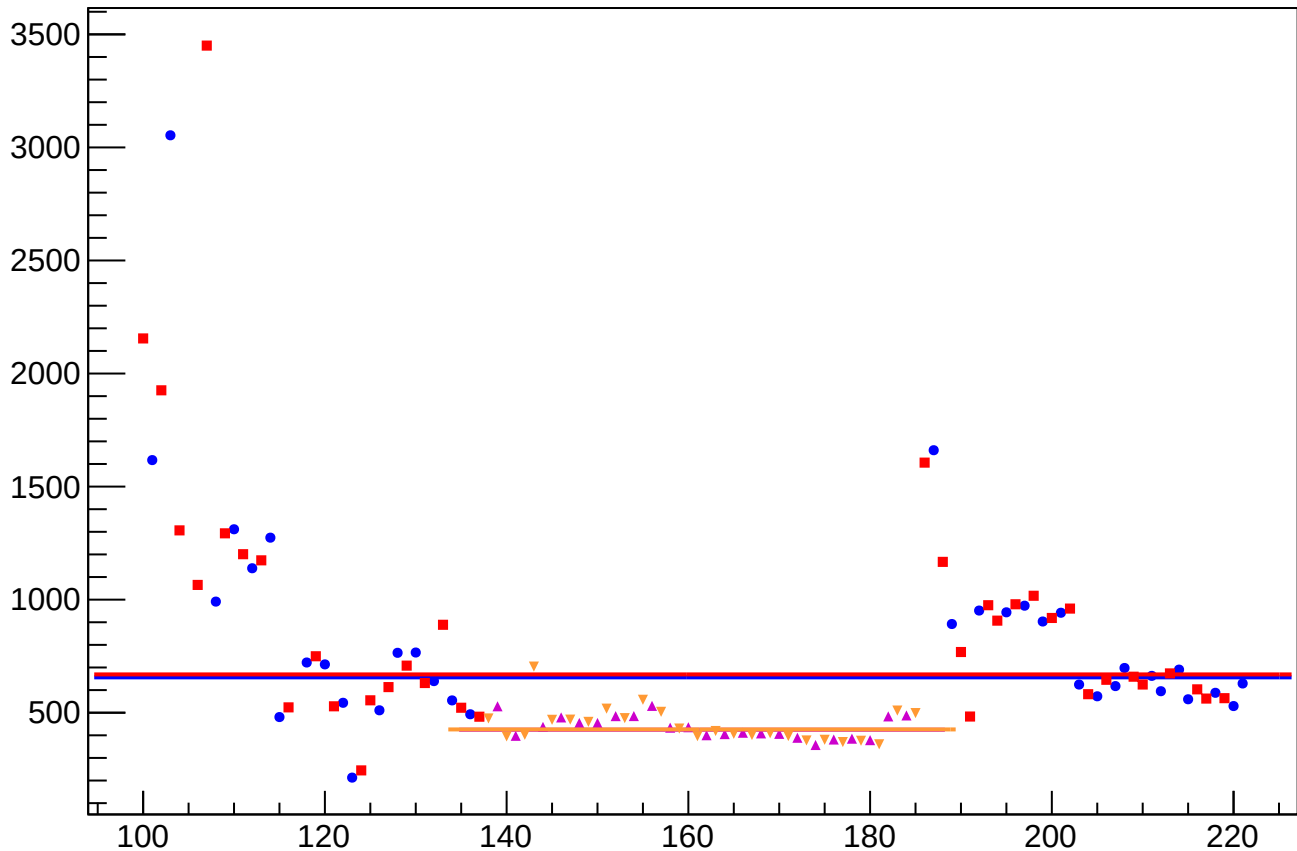
Left In: -32.456 ± 102.403 χ^2/NDF : 32.7/22

+ sign 549.130 ± 84.246 χ^2/NDF : 108.9/59

All: 449.461 ± 60.442 χ^2/NDF : 346.8/119

- sign 343.736 ± 86.767 χ^2/NDF : 235.0/59

asym_at1_dd_correction_rms vs Slug



Right In: 656.299 $\pm$ 0.109 χ^2 /NDF: 3428515.3/34

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

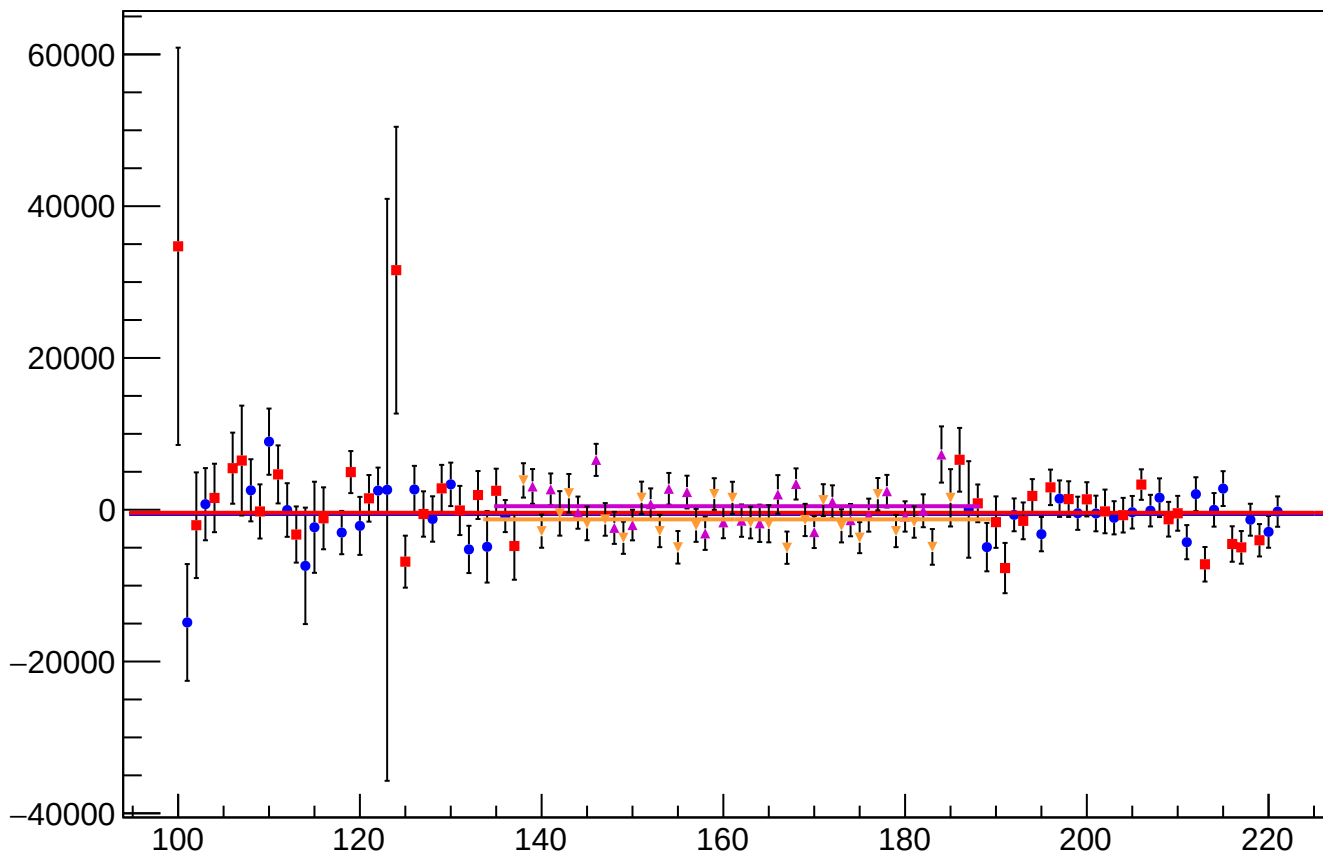
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 494.348 $\pm$ 0.060 χ^2 /NDF: 7279560.2/59

All: 494.018 $\pm$ 0.043 χ^2 /NDF: 15394931.0/11

- sign 493.667 $\pm$ 0.061 χ^2 /NDF: 8115307.4/59

asym_at1_dd_mean vs Slug



Right In: -555.242 ± 460.646 χ^2/NDF : 30.3/34

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: -399.528 ± 476.503 χ^2/NDF : 56.4/36

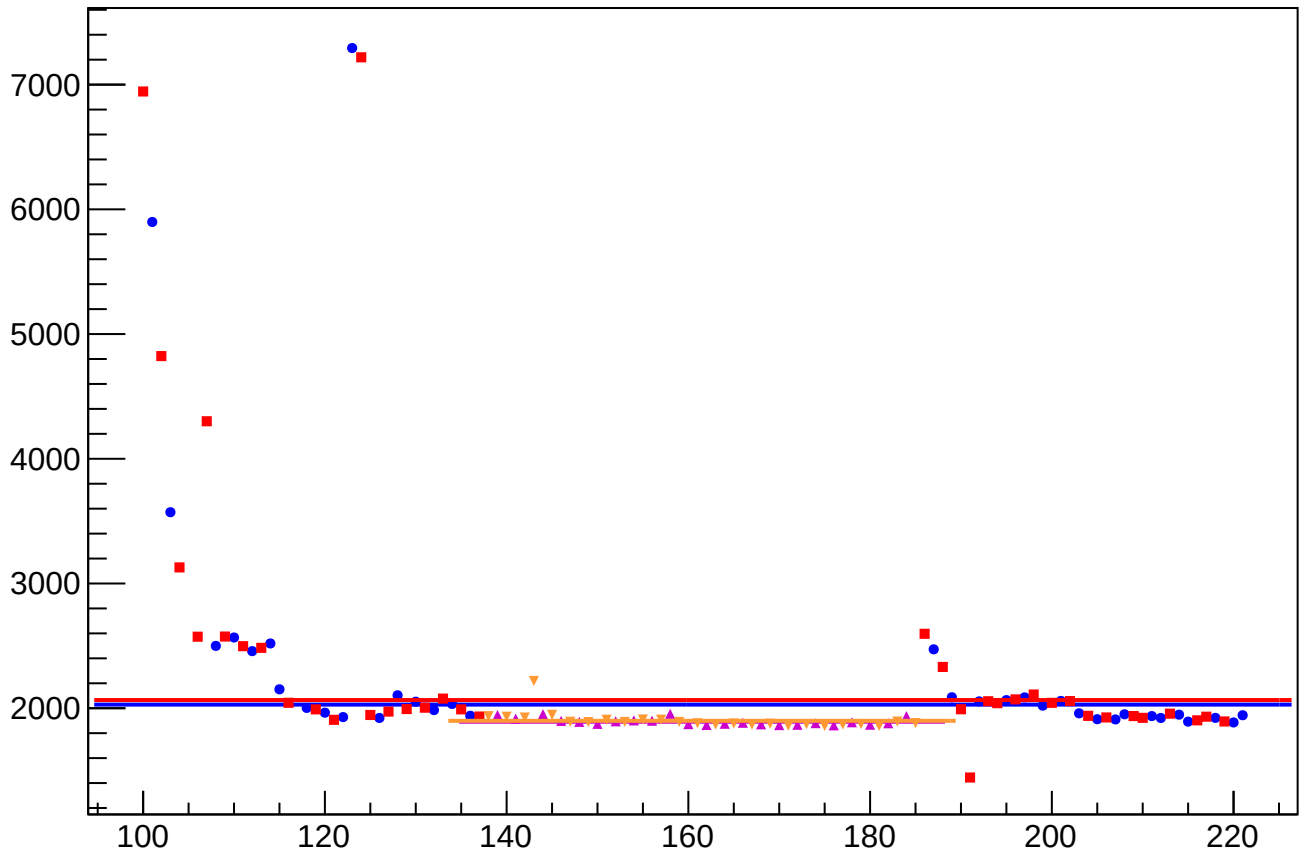
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -925.299 ± 319.386 χ^2/NDF : 62.4/59

All: -450.447 ± 229.053 χ^2/NDF : 157.6/119

- sign 52.423 ± 328.674 χ^2/NDF : 90.7/59

asym_at1_dd_rms vs Slug



Right In: 2029.030+/-0.326 χ^2/NDF : 924957.2/34

Left Out: 1898.962+/-0.313 χ^2/NDF : 38680.4/24

Right Out: 2065.447+/-0.337 χ^2/NDF : 1157705.9/36

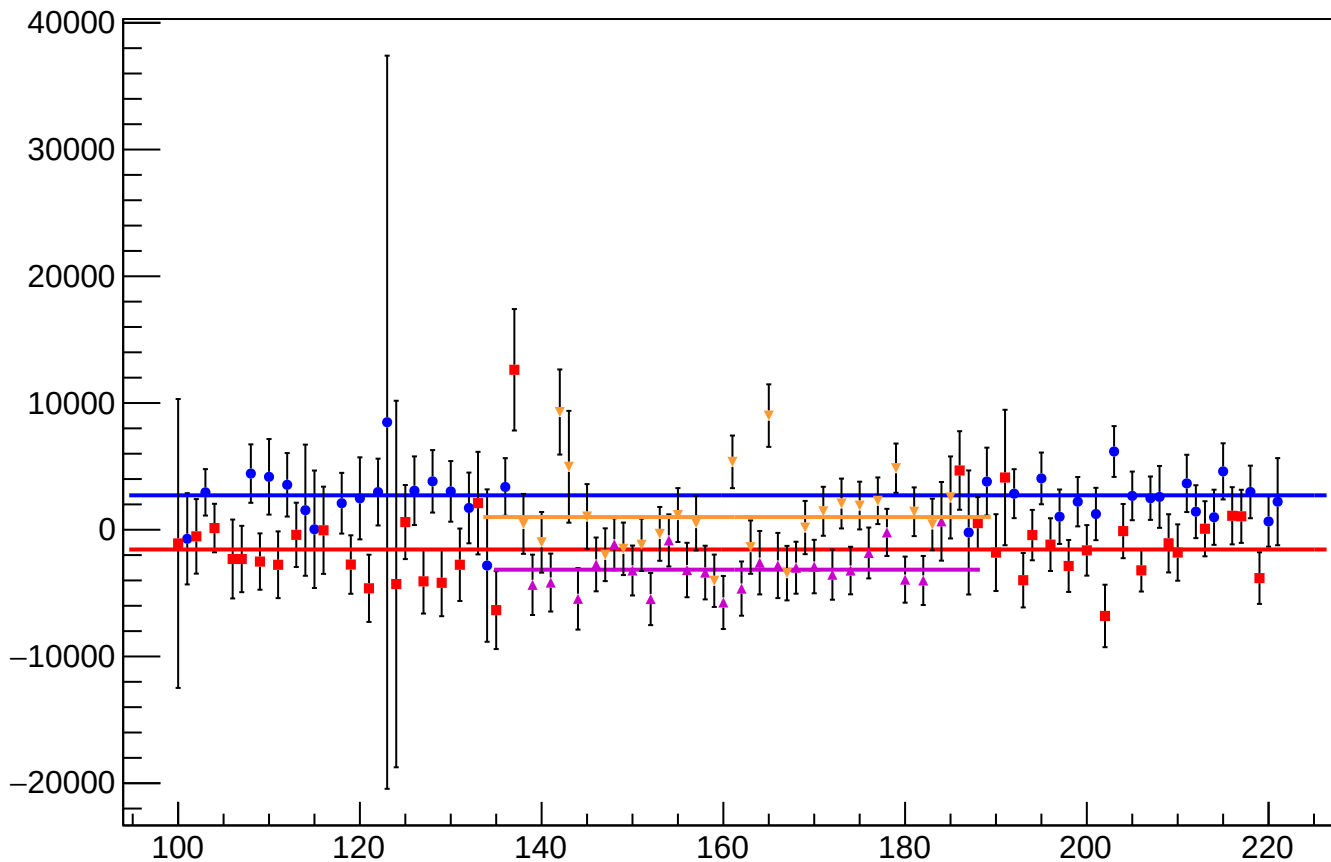
Left In: 1891.693+/-0.321 χ^2/NDF : 7420.7/22

+ sign 1961.489+/-0.226 χ^2/NDF : 1046439.0/59

All: 1967.740+/-0.162 χ^2/NDF : 2352552.7/11

- sign 1974.360+/-0.232 χ^2/NDF : 1304536.2/59

reg_asym_at2_avg_mean vs Slug



Right In: 2715.851 $\pm$ 408.162 χ^2 /NDF: 11.8/34

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

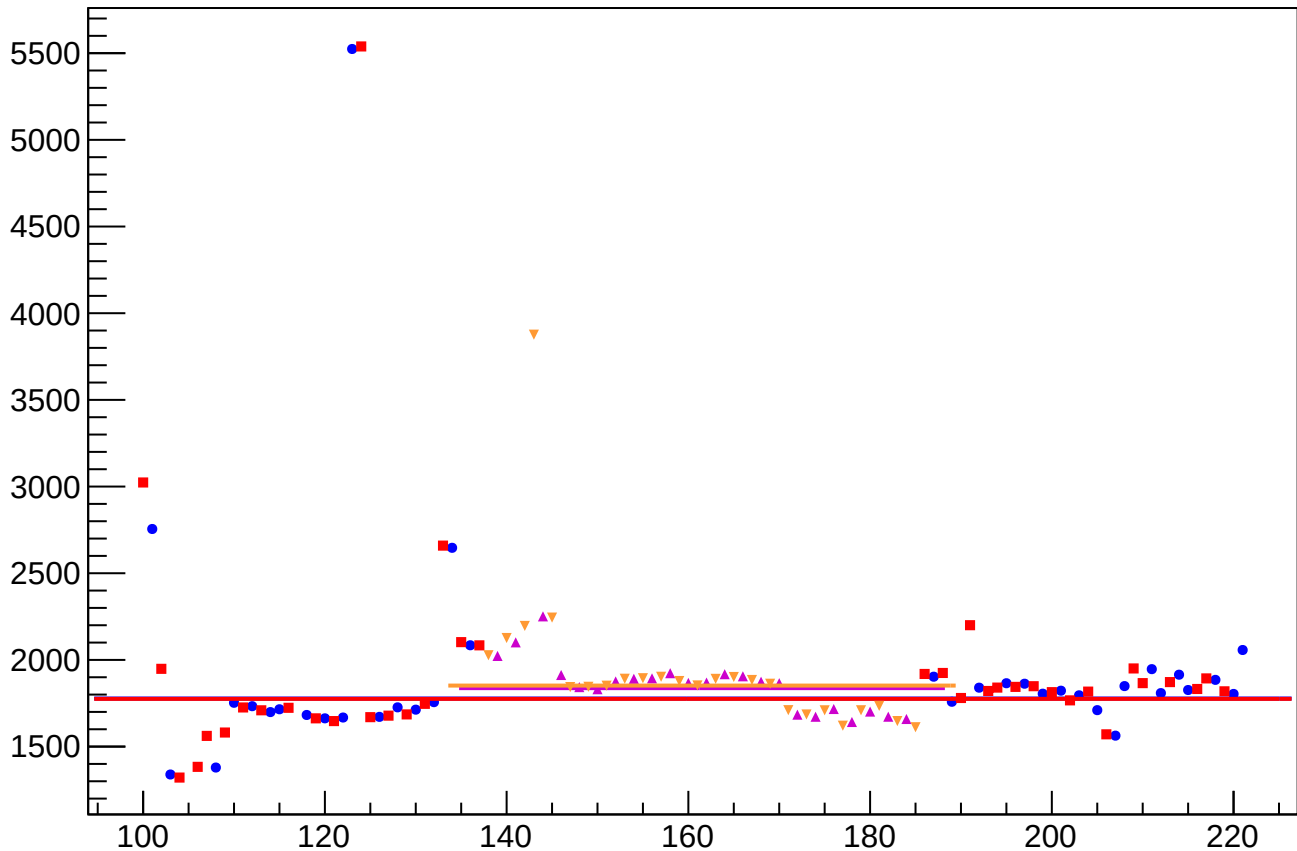
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF:11.8/22

+ sign 1913.562 $\pm$ 297.729 χ^2 /NDF: 64.7/59

All: -176.094 $\pm$ 211.183 χ^2 /NDF: 219.9/119

- sign -2292.014 $\pm$ 299.594 χ^2 /NDF: 56.0/59

reg_asym_at2_avg_rms vs Slug



Right In: 1777.235+/-0.289 χ^2/NDF : 536902.7/34

Left Out: 1851.959+/-0.308 χ^2/NDF : 648954.2/24

Right Out: 1775.281+/-0.289 χ^2/NDF : 580333.4/36

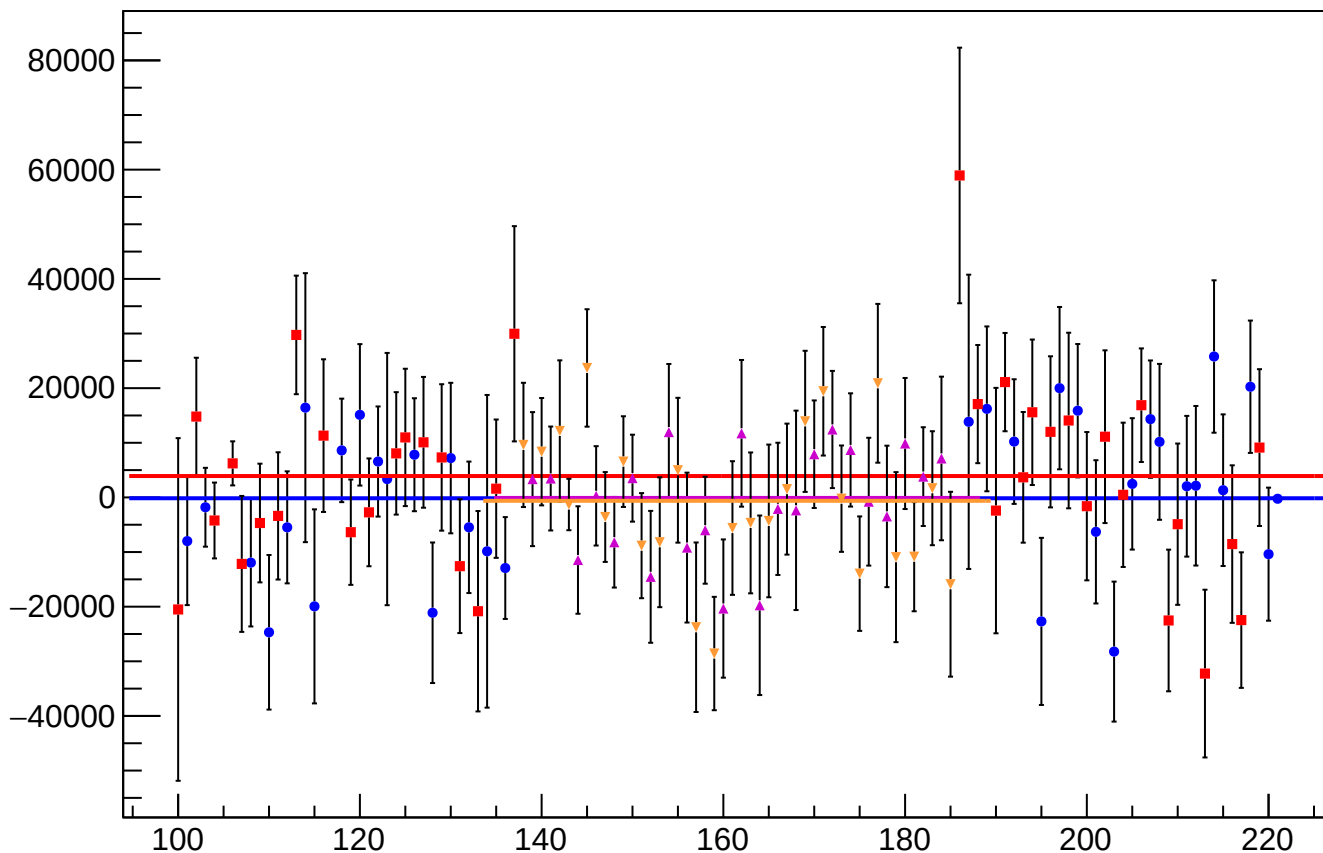
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1812.200+/-0.211 χ^2/NDF : 1217222.5/59

All: 1808.034+/-0.149 χ^2/NDF : 2020052.8/11

- sign 1803.816+/-0.212 χ^2/NDF : 802042.4/59

asym_at2_avg_correction_mean vs Slug



Right In: -151.620 ± 704.509 χ^2/NDF : 37.4/34

Left Out: -619.372 ± 2069.686 χ^2/NDF : 30.1/24

Right Out: 3914.218 ± 1838.366 χ^2/NDF : 49.5/36

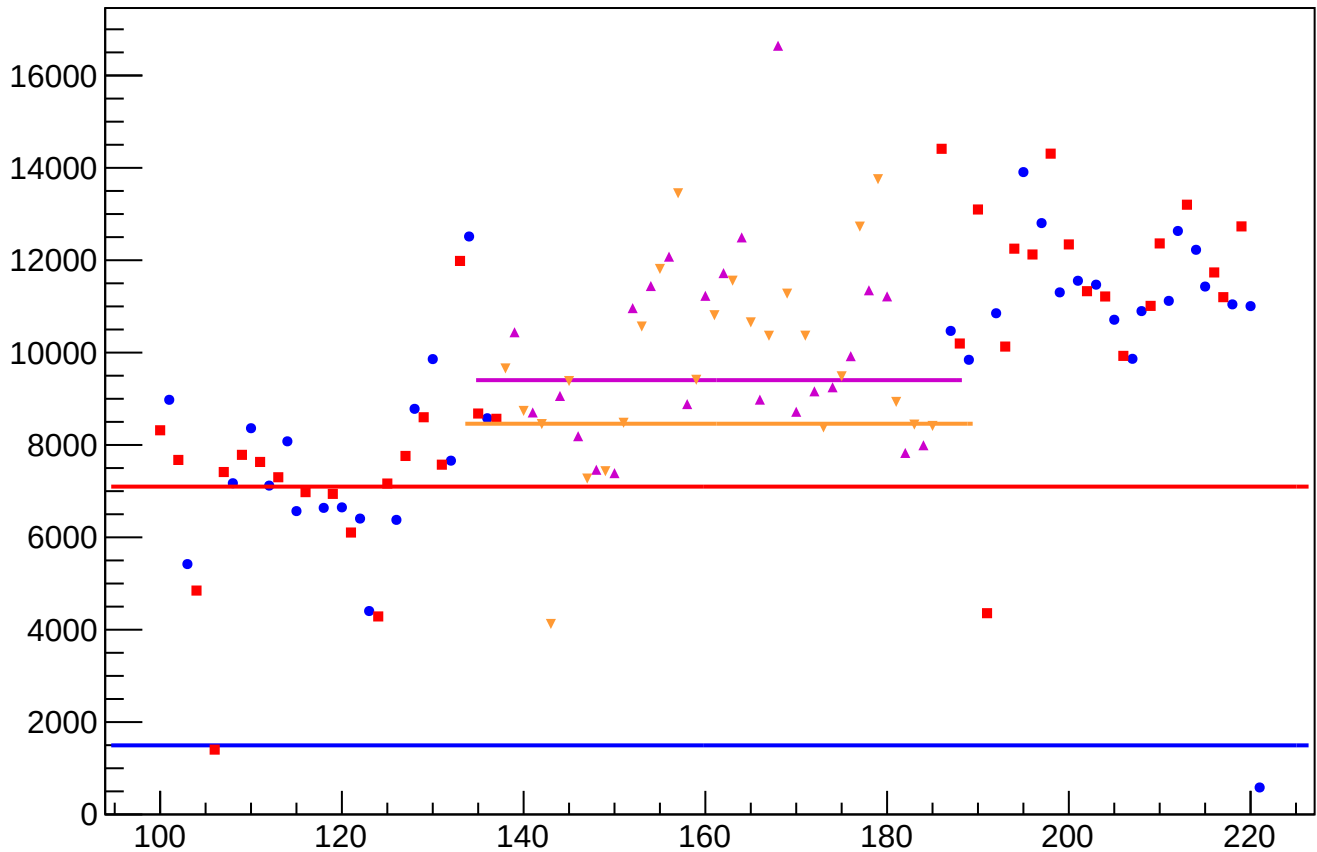
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign -200.190 ± 666.930 χ^2/NDF : 67.6/59

All: 252.501 ± 604.766 χ^2/NDF : 136.2/119

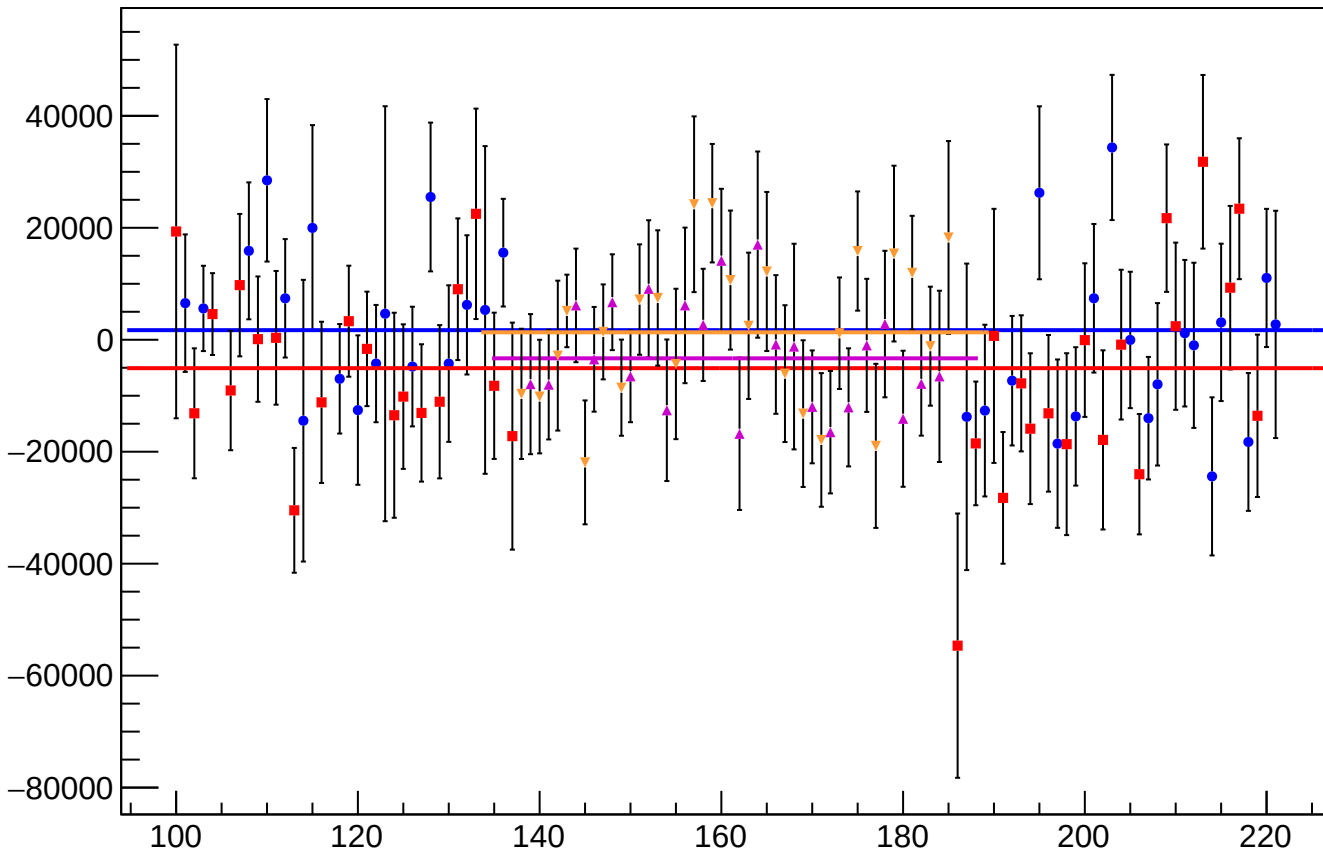
- sign 2346.862 ± 1434.514 χ^2/NDF : 66.0/59

asym_at2_avg_correction_rms vs Slug



Right In: 1496.003+/-0.498	χ^2/NDF : 30004122.6/34	+ sign 2219.118+/-0.472	χ^2/NDF : 53383112.7/59
Left Out: 8459.960+/-1.463	χ^2/NDF : 3087200.5/24	All: 3246.550+/-0.428	χ^2/NDF : 91099719.4/1
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: 1715.509+/-2190.525 χ^2/NDF : 38.5/34

Left Out: 1332.828+/-2213.733 χ^2/NDF :28.0/24

Right Out: -5076.924 ± 2122.961 χ^2/NDF : 47.7/36

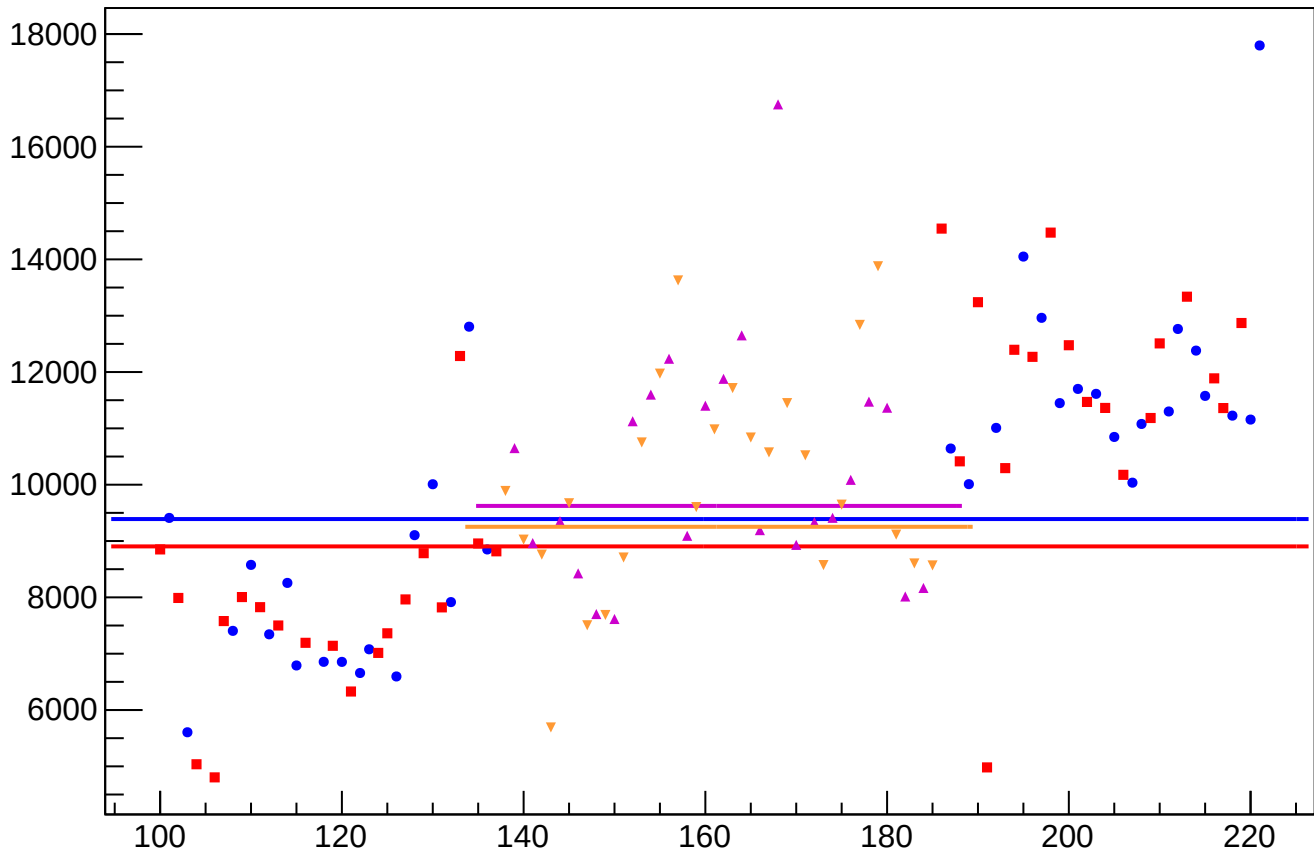
Left In: -3316.909+/-2344.543 χ^2/NDF :13.7/22

+ sign 1526.185+/-1557.075 χ^2/NDF : 66.6/59

All: -1348.088 ± 1106.843 χ^2/NDF : 135.2/11

- sign -4283.996+/-1573.681 χ^2 /NDF: 61.7/59

asym_at2_avg_rms vs Slug



Right In: 9390.101 $\pm$ 1.549 χ^2 /NDF: 2517283.2/34

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

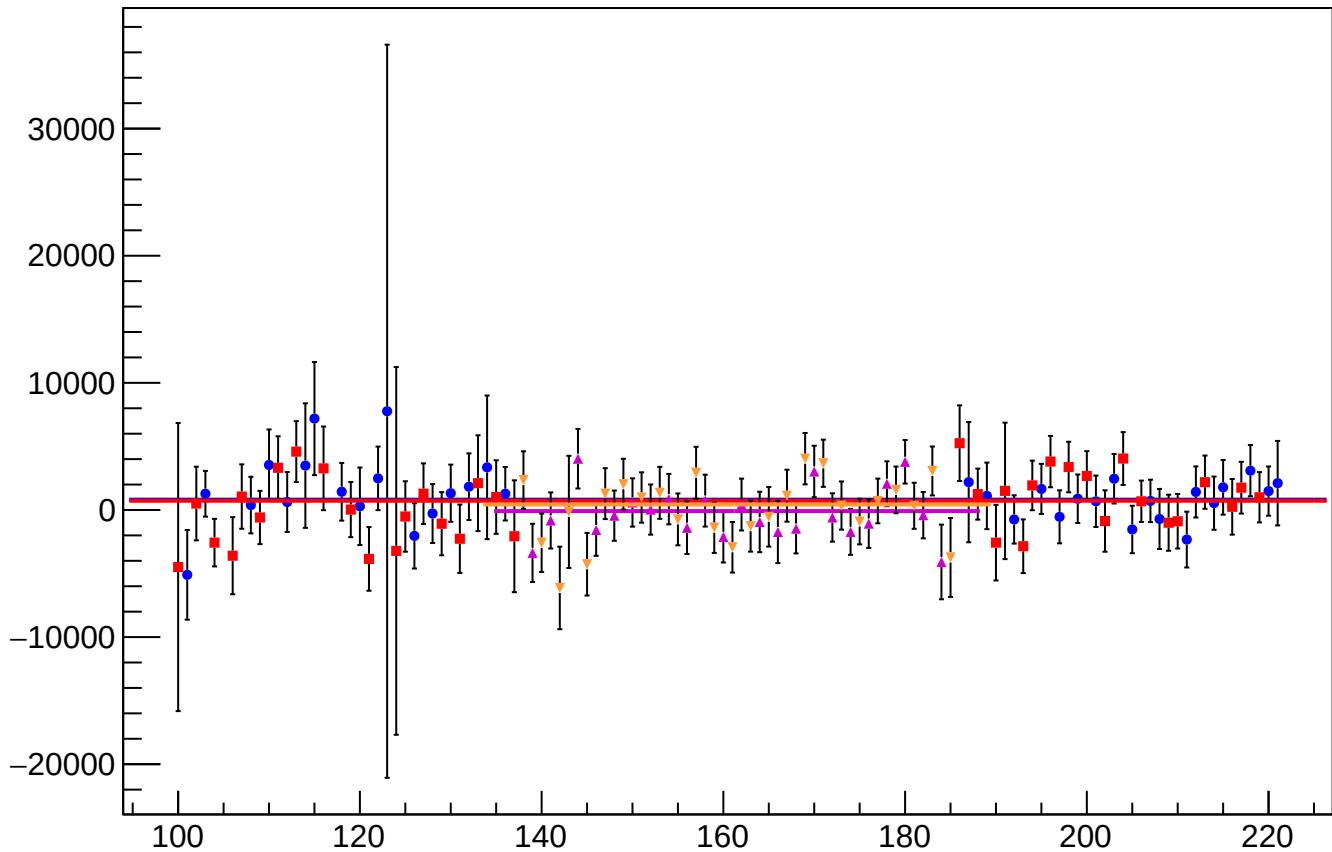
Left In: 9623.485 $\pm$ 1.658 χ^2 /NDF: 1069924.0/22

+ sign 9322.131 $\pm$ 1.101 χ^2 /NDF: 4118844.5/59

All: 9275.773 $\pm$ 0.783 χ^2 /NDF: 8496355.6/11

- sign 9228.425 $\pm$ 1.113 χ^2 /NDF: 4373927.7/59

reg_asym_at2_dd_mean vs Slug



Right In: 810.227 ± 393.535 χ^2/NDF : 16.7/34

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 724.905 ± 393.647 χ^2/NDF : 33.1/36

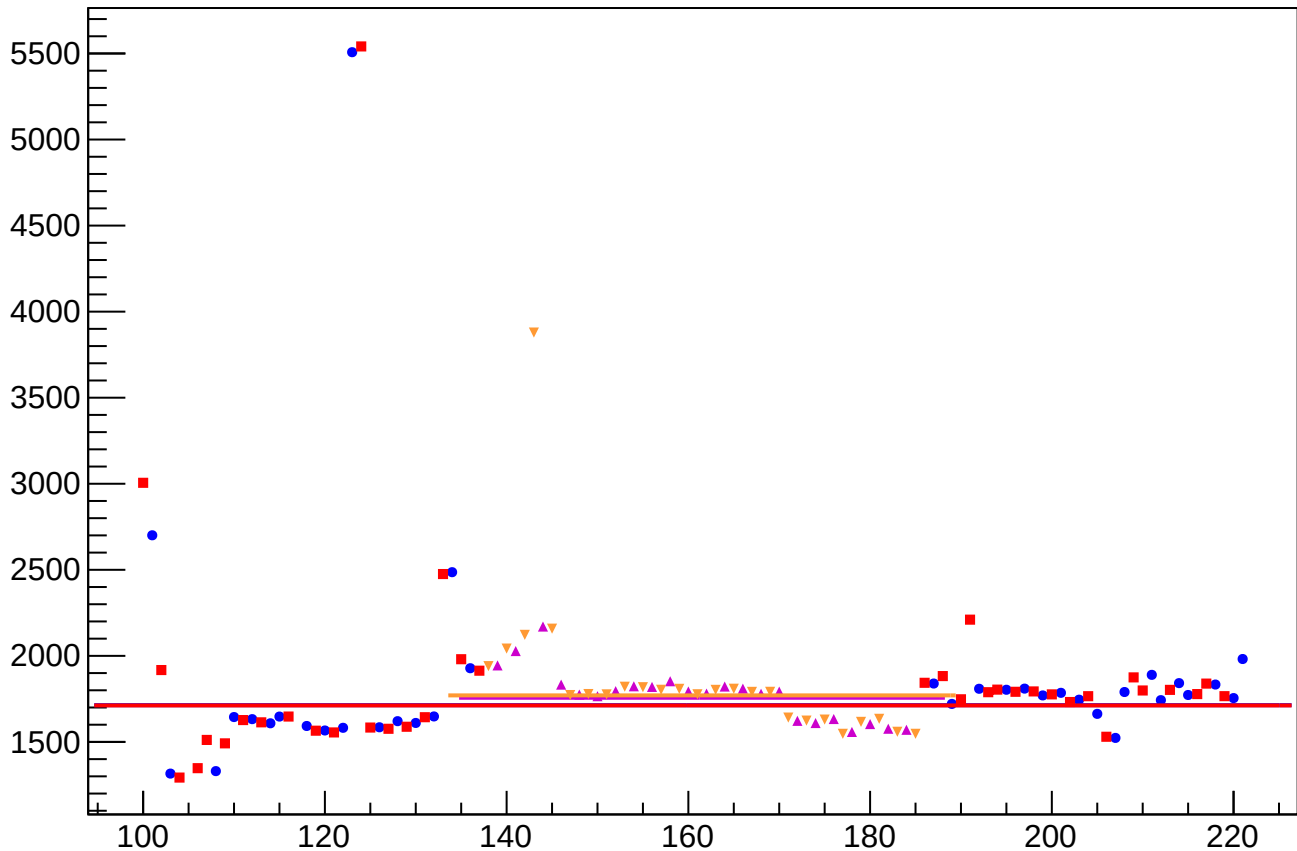
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 630.568 ± 286.006 χ^2/NDF : 45.9/59

All: 489.422 ± 202.882 χ^2/NDF : 102.4/119

- sign 346.462 ± 287.839 χ^2/NDF : 56.1/59

reg_asym_at2_dd_rms vs Slug



Right In: 1713.444 $\pm$ 0.278 χ^2 /NDF: 533265.7/34

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

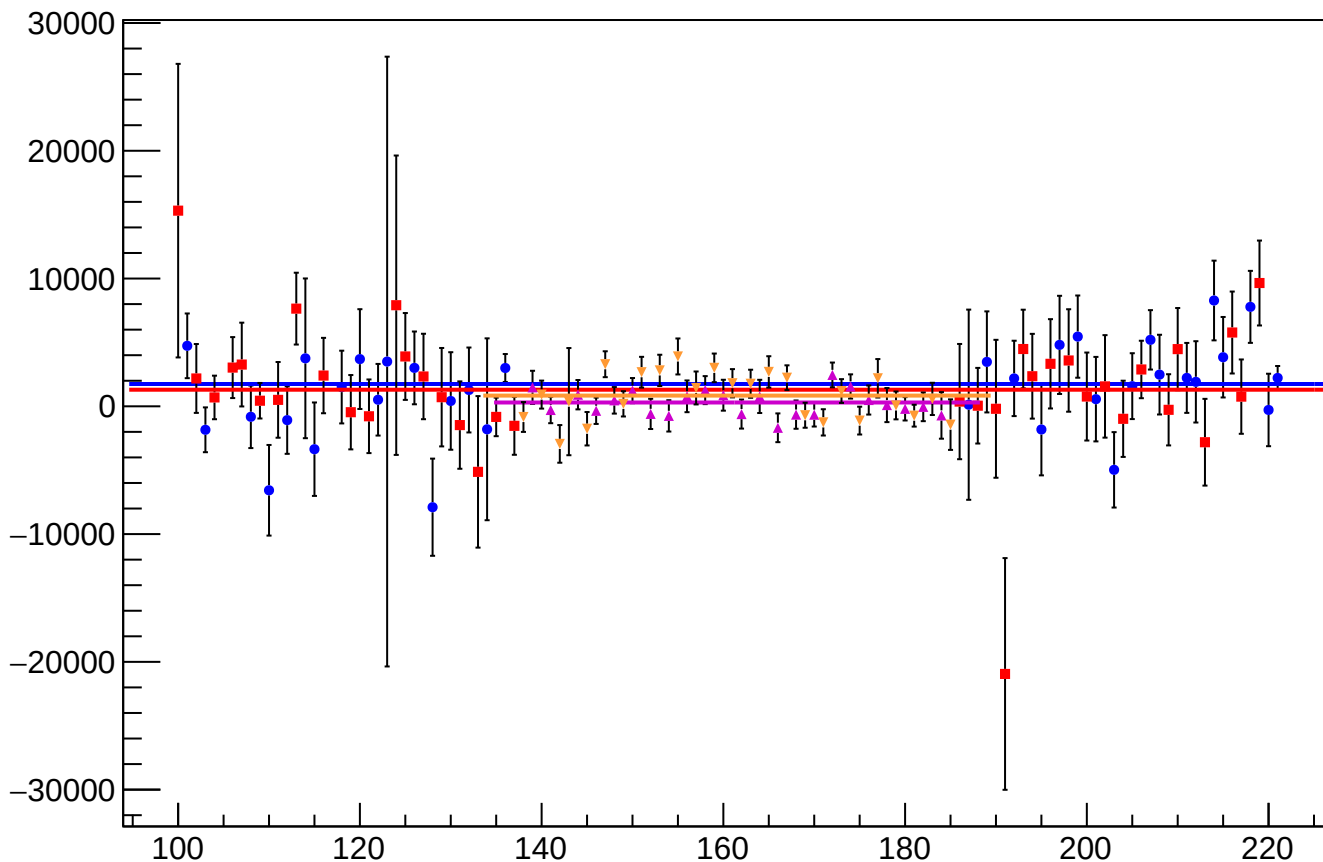
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1740.309 $\pm$ 0.202 χ^2 /NDF: 1252557.2/59

All: 1736.566 $\pm$ 0.143 χ^2 /NDF: 2079670.6/11

- sign 1732.774 $\pm$ 0.204 χ^2 /NDF: 826423.7/59

asym_at2_dd_correction_mean vs Slug



Right In: 1746.156+/-429.729 χ^2/NDF : 45.2/34

Left Out: 839.344+/-230.465 χ^2/NDF : 54.4/24

Right Out: 1298.694+/-471.734 χ^2/NDF : 35.9/36

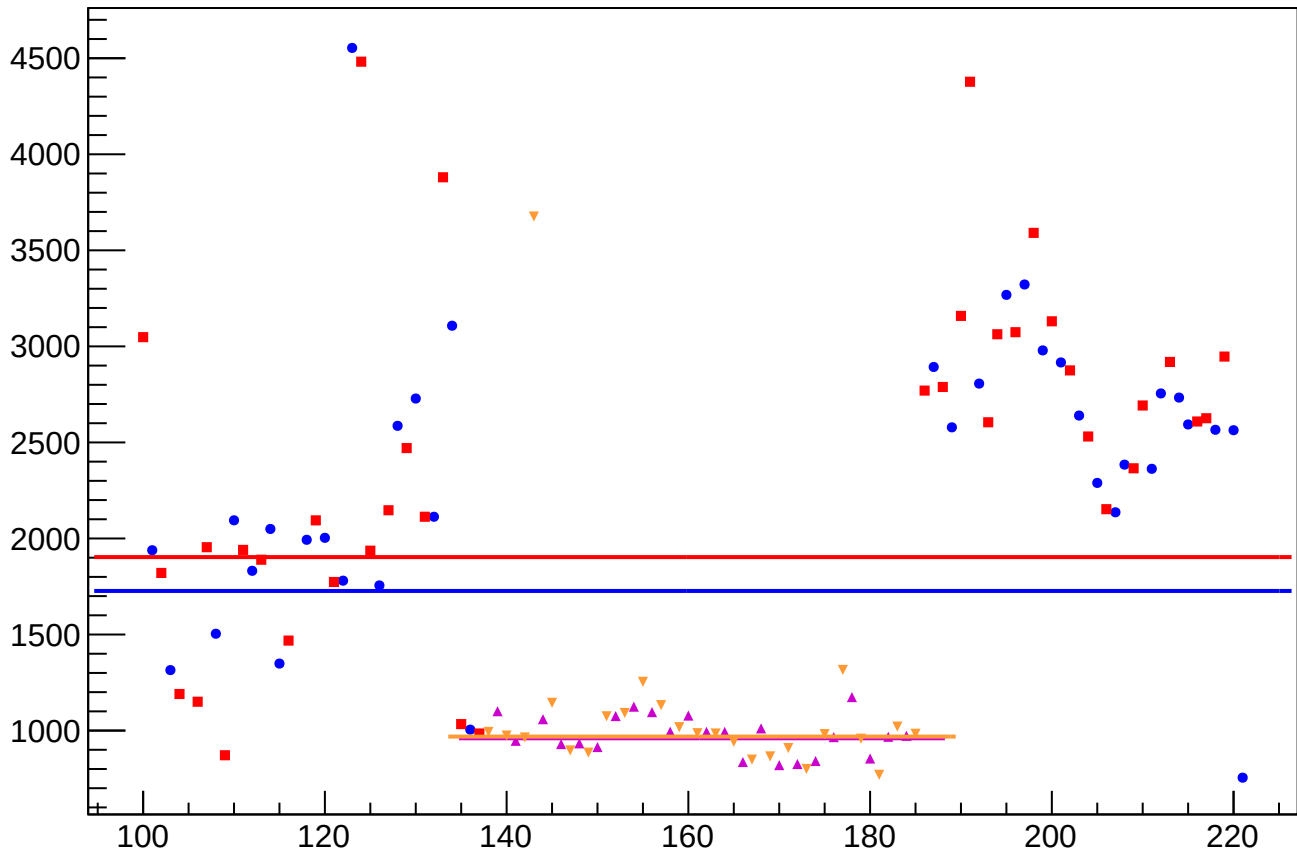
Left In: 298.801+/-231.400 χ^2/NDF : 18.3/22

+ sign 1041.902+/-203.101 χ^2/NDF : 103.0/59

All: 773.532+/-145.230 χ^2/NDF : 164.4/119

- sign 492.731+/-207.751 χ^2/NDF : 57.9/59

asym_at2_dd_correction_rms vs Slug



Right In: 1726.852 $\pm$ 0.304 χ^2 /NDF: 6783675.5/34

Left Out: 968.712 $\pm$ 0.163 χ^2 /NDF: 1393696.6/24

Right Out: 1903.057 $\pm$ 0.334 χ^2 /NDF: 5796831.4/36

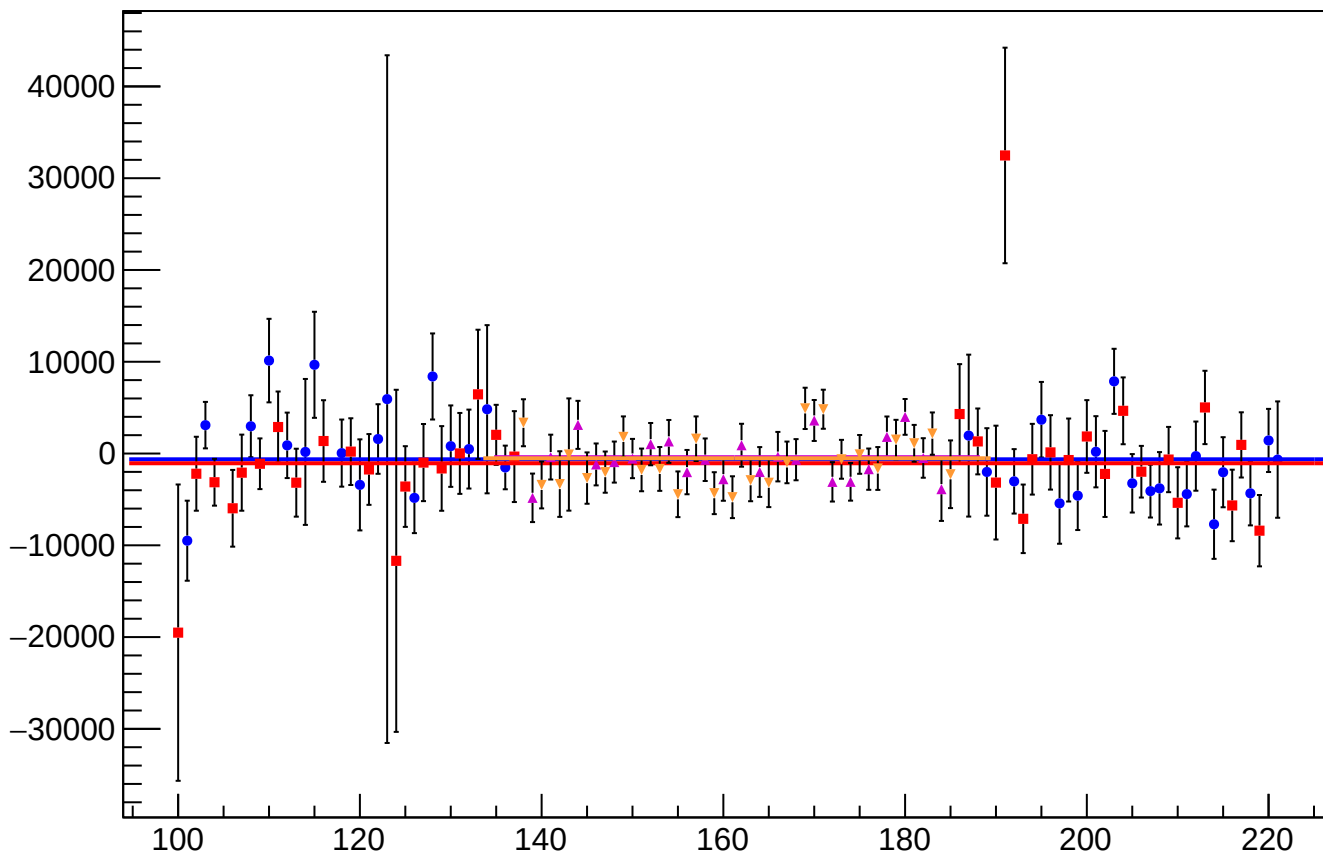
Left In: 959.805 $\pm$ 0.164 χ^2 /NDF: 371210.5/22

+ sign 1138.060 $\pm$ 0.144 χ^2 /NDF: 13011861.7/59

All: 1140.352 $\pm$ 0.103 χ^2 /NDF: 25625864.9/119

- sign 1142.749 $\pm$ 0.147 χ^2 /NDF: 12613482.2/59

asym_at2_dd_mean vs Slug



Right In: -628.829 ± 660.475 χ^2/NDF : 41.6/34

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -1059.604 ± 661.247 χ^2/NDF : 32.5/36

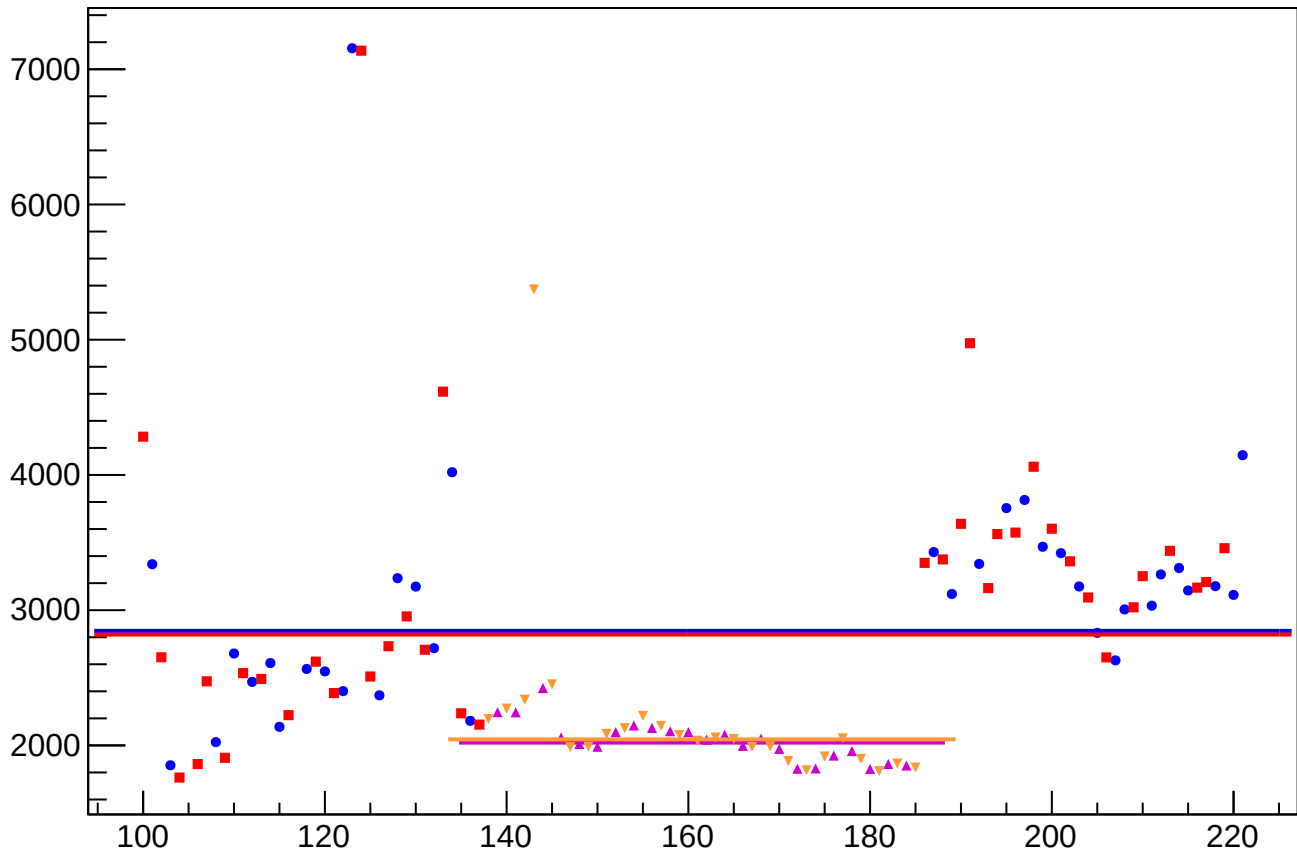
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -556.277 ± 389.075 χ^2/NDF : 75.6/59

All: -592.480 ± 275.833 χ^2/NDF : 130.7/119

- sign -629.062 ± 391.107 χ^2/NDF : 55.0/59

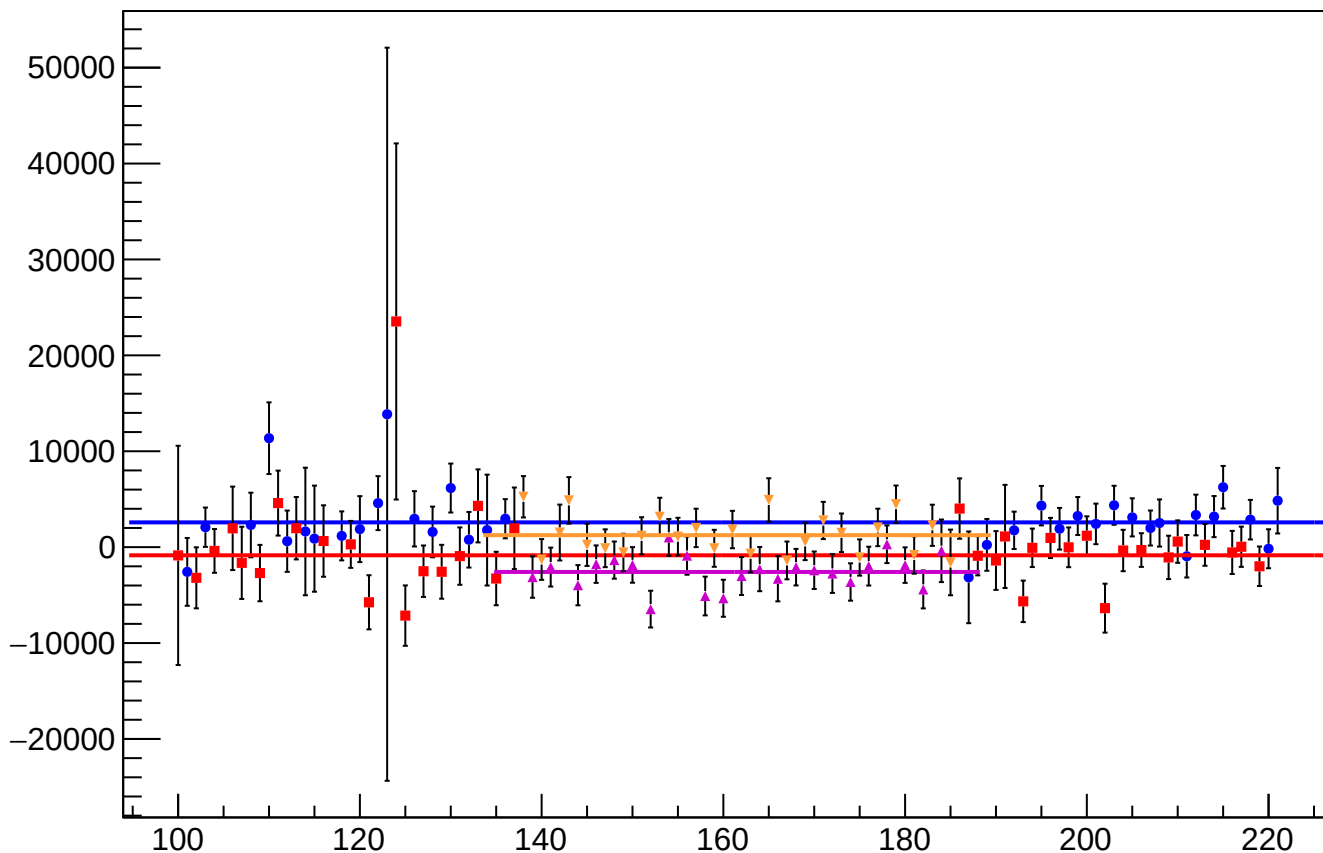
asym_at2_dd_rms vs Slug



Right In: 2846.991 $\pm$ 0.467 χ^2 /NDF: 1395761.2/34
 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 2323.126 $\pm$ 0.275 χ^2 /NDF: 4111356.8/59
 All: 2311.789 $\pm$ 0.195 χ^2 /NDF: 8108278.4/11
 - sign 2300.333 $\pm$ 0.277 χ^2 /NDF: 3993507.4/59

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2583.172 $\pm$ 424.792 χ^2 /NDF: 23.7/34

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

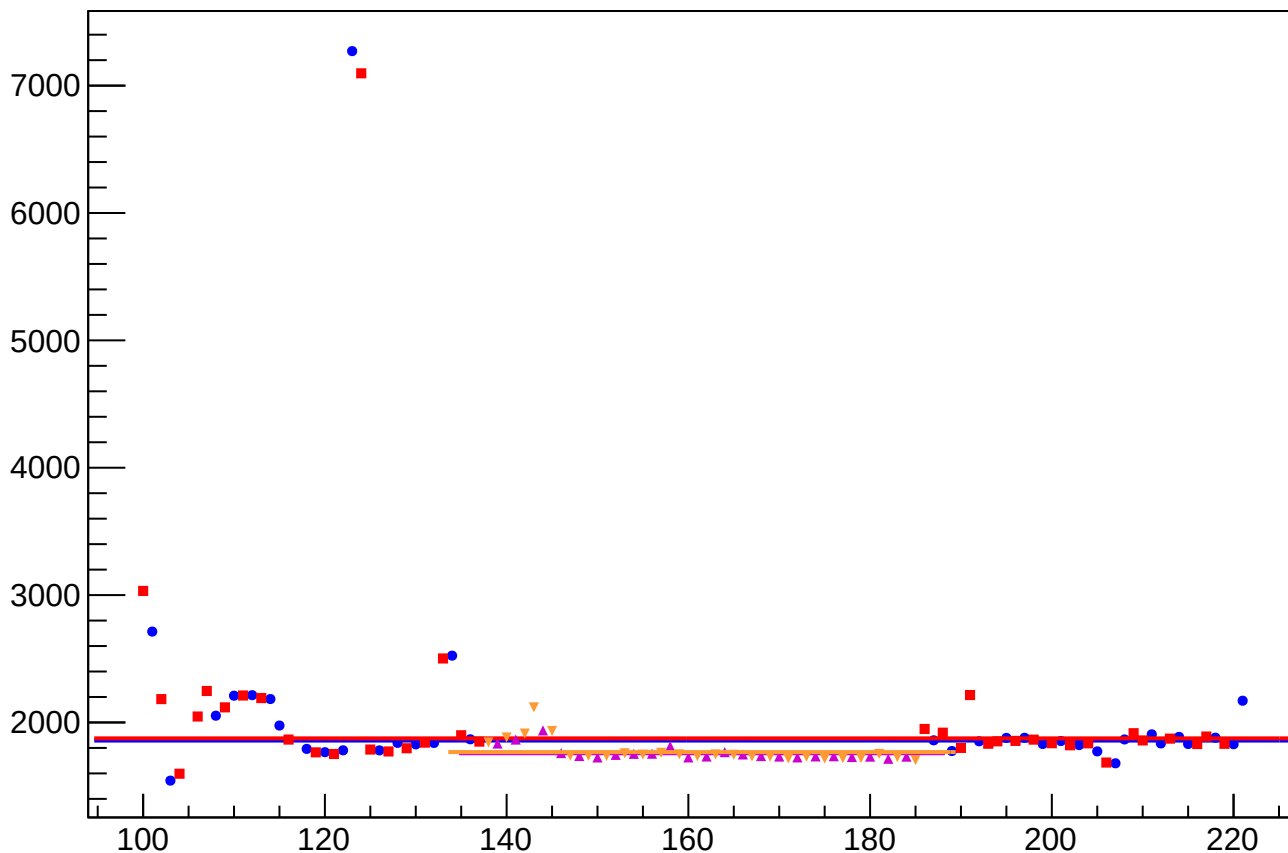
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1896.952 $\pm$ 295.927 χ^2 /NDF: 51.8/59

All: 110.714 $\pm$ 210.920 χ^2 /NDF: 184.9/119

- sign -1733.629 $\pm$ 300.701 χ^2 /NDF: 59.1/59

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1857.893+/-0.300 χ^2/NDF : 337302.6/34

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1875.087+/-0.303 χ^2/NDF : 411623.9/36

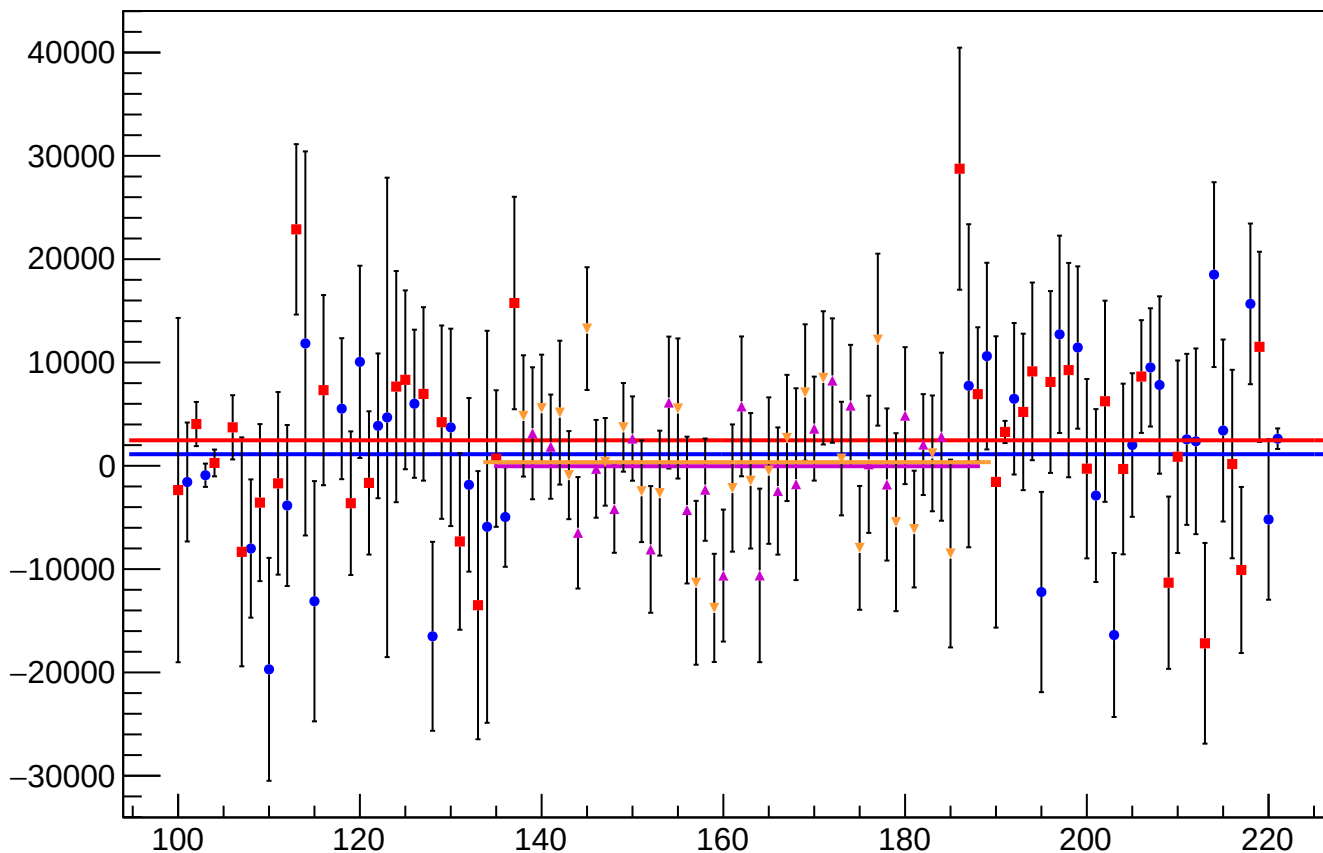
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1811.377+/-0.209 χ^2/NDF : 461572.2/59

All: 1813.439+/-0.149 χ^2/NDF : 978925.8/119

- sign 1815.568+/-0.213 χ^2/NDF : 517156.2/59

asym_atl1r2_avg_correction_mean vs Slug



Right In: 1120.422 $\pm$ 660.239 χ^2 /NDF: 44.0/34

Left Out: 351.227 $\pm$ 1170.051 χ^2 /NDF: 27.8/24

Right Out: 2467.393 $\pm$ 668.539 χ^2 /NDF: 38.2/36

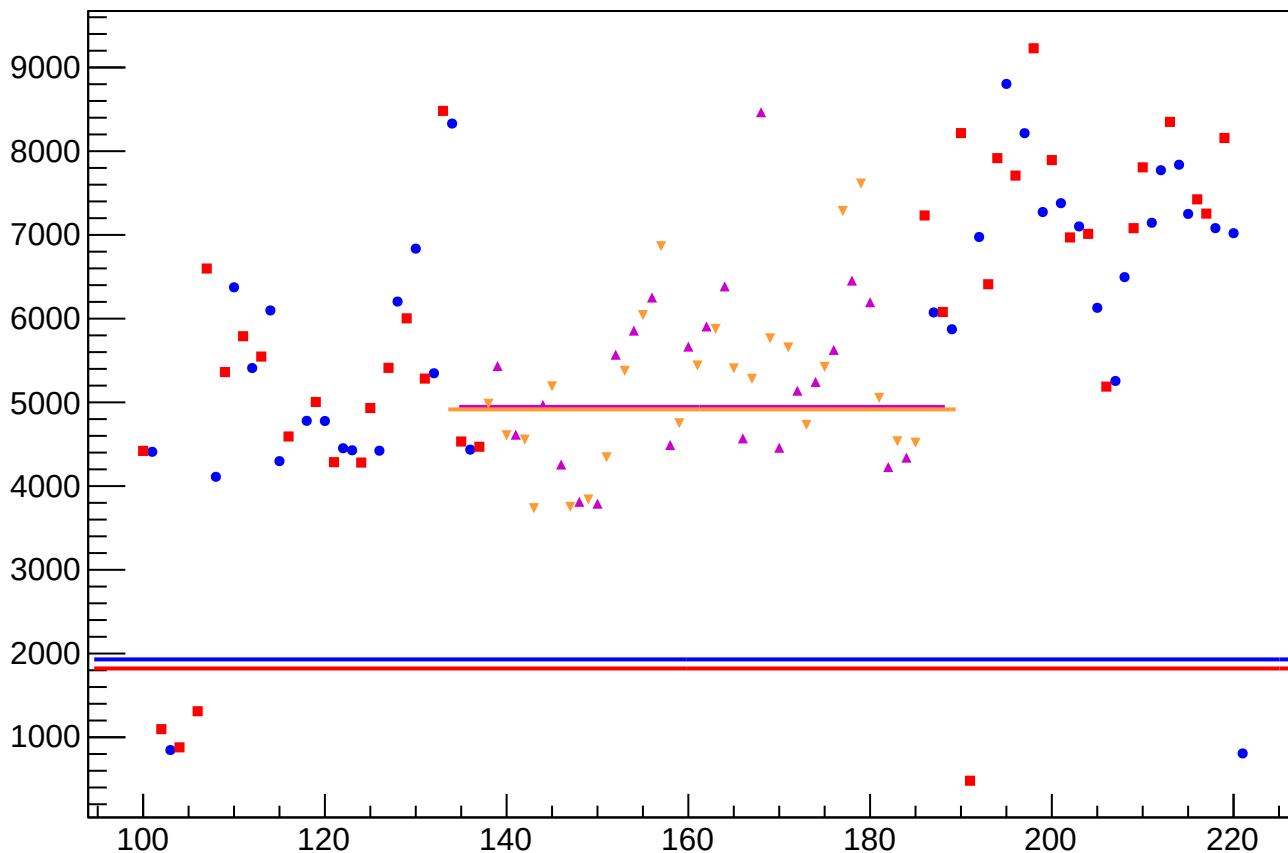
Left In: -40.618 $\pm$ 1207.491 χ^2 /NDF: 16.0/22

+ sign 934.651 $\pm$ 575.010 χ^2 /NDF: 72.2/59

All: 1398.775 $\pm$ 410.038 χ^2 /NDF: 131.1/119

- sign 1878.967 $\pm$ 584.878 χ^2 /NDF: 57.6/59

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1929.999 ± 0.467 χ^2/NDF : 21930263.4/34

Left Out: 4915.865 ± 0.827 χ^2/NDF : 1186479.7/24

Right Out: 1821.629 ± 0.473 χ^2/NDF : 23034105.3/36

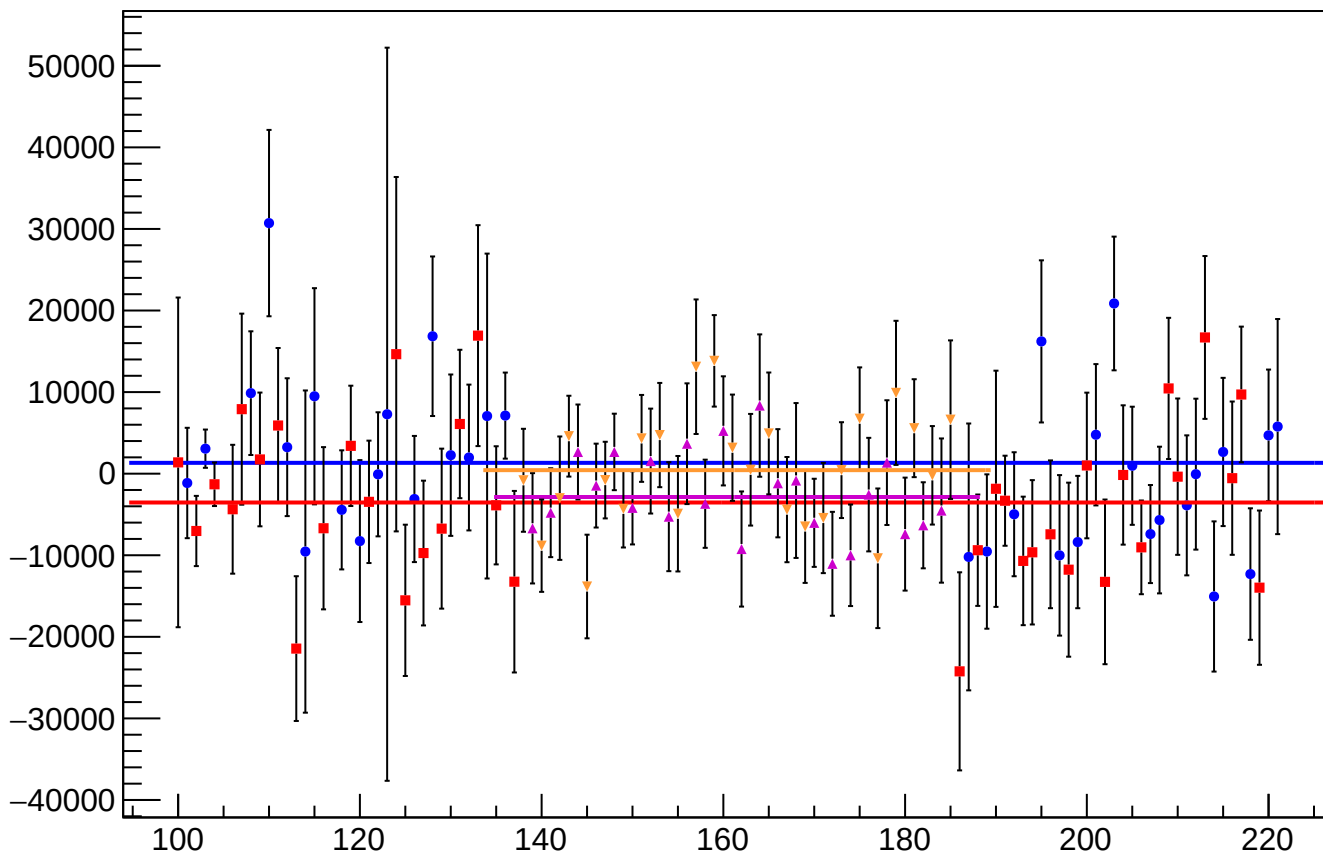
Left In: 4945.817 ± 0.854 χ^2/NDF : 1188288.6/22

+ sign 2651.124 ± 0.407 χ^2/NDF : 32995653.6/59

All: 2603.694 ± 0.290 χ^2/NDF : 67493142.7/1

- sign 2554.622 ± 0.414 χ^2/NDF : 34469802.8/59

asym_atl1r2_avg_mean vs Slug



Right In: 1327.504+/-1262.848 χ^2/NDF : 37.9/34

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: -3534.352+/-1249.957 χ^2/NDF : 34.7/36

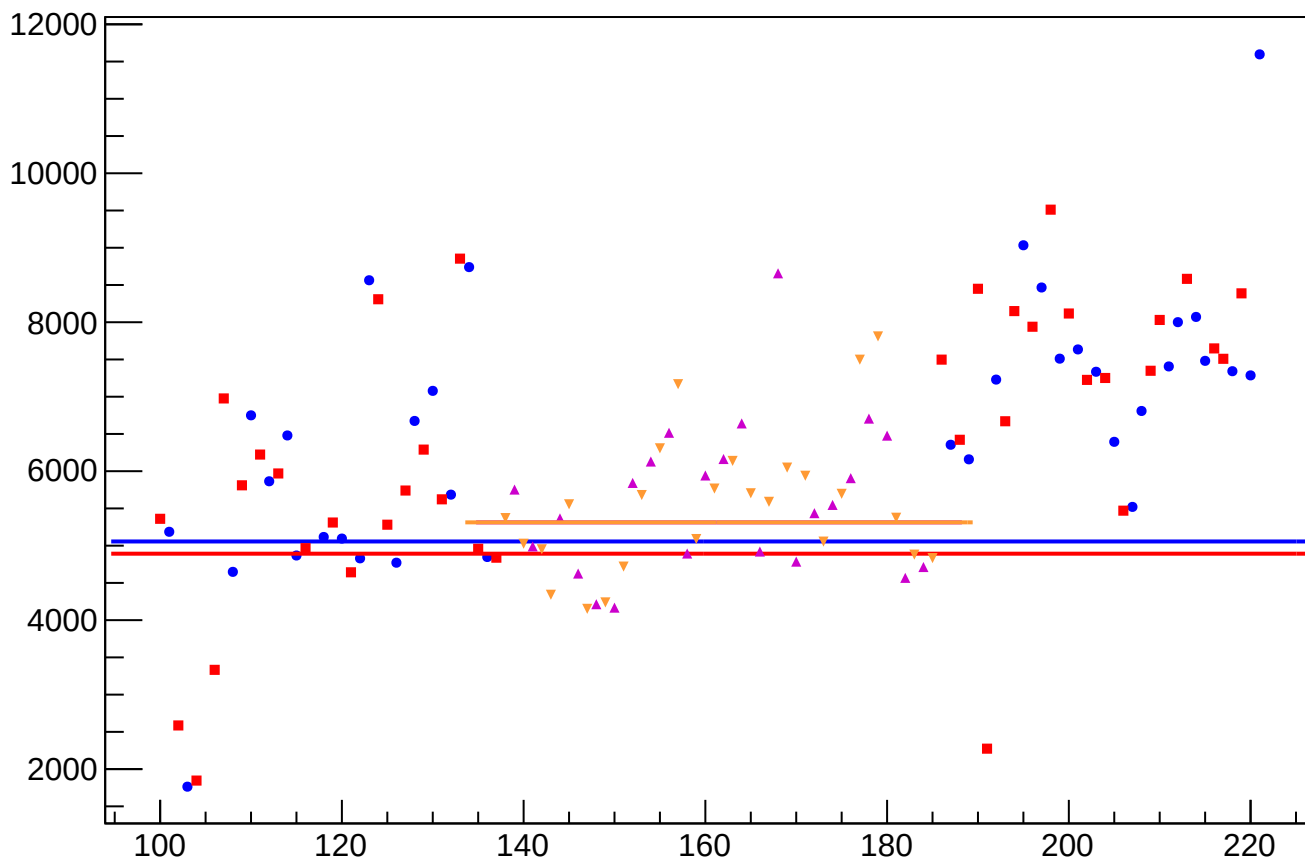
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 877.555+/-891.347 χ^2/NDF : 65.2/59

All: -1149.252+/-632.777 χ^2/NDF : 123.3/119

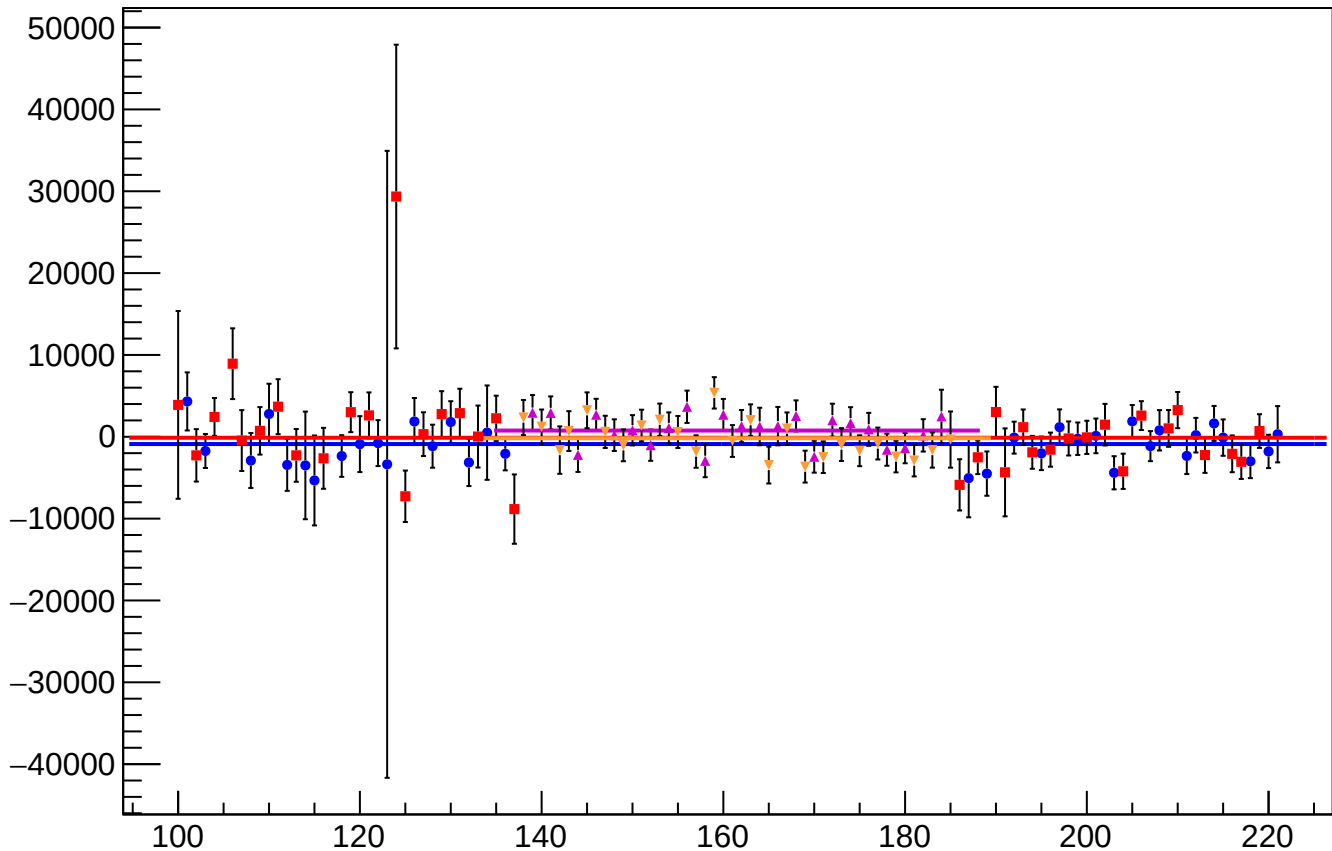
- sign -3208.534+/-898.459 χ^2/NDF : 47.7/59

asym_atl1r2_avg_rms vs Slug



Right In: 5056.435+/-0.893	χ^2/NDF : 7209156.5/34	+ sign 5185.187+/-0.630	χ^2/NDF : 8144954.1/59
Left Out: 5313.008+/-0.890	χ^2/NDF : 894369.8/24		
Right Out: 4892.305+/-0.880	χ^2/NDF : 7318674.4/36	All: 5140.221+/-0.447	χ^2/NDF : 16541127.5/1
Left In: 5312.861+/-0.914	χ^2/NDF : 957400.7/22	- sign 5094.726+/-0.634	χ^2/NDF : 8385933.7/59

reg_asym_atl1r2_dd_mean vs Slug



Right In: -887.208 ± 424.551 χ^2/NDF : 21.8/34

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -118.746 ± 428.741 χ^2/NDF : 46.6/36

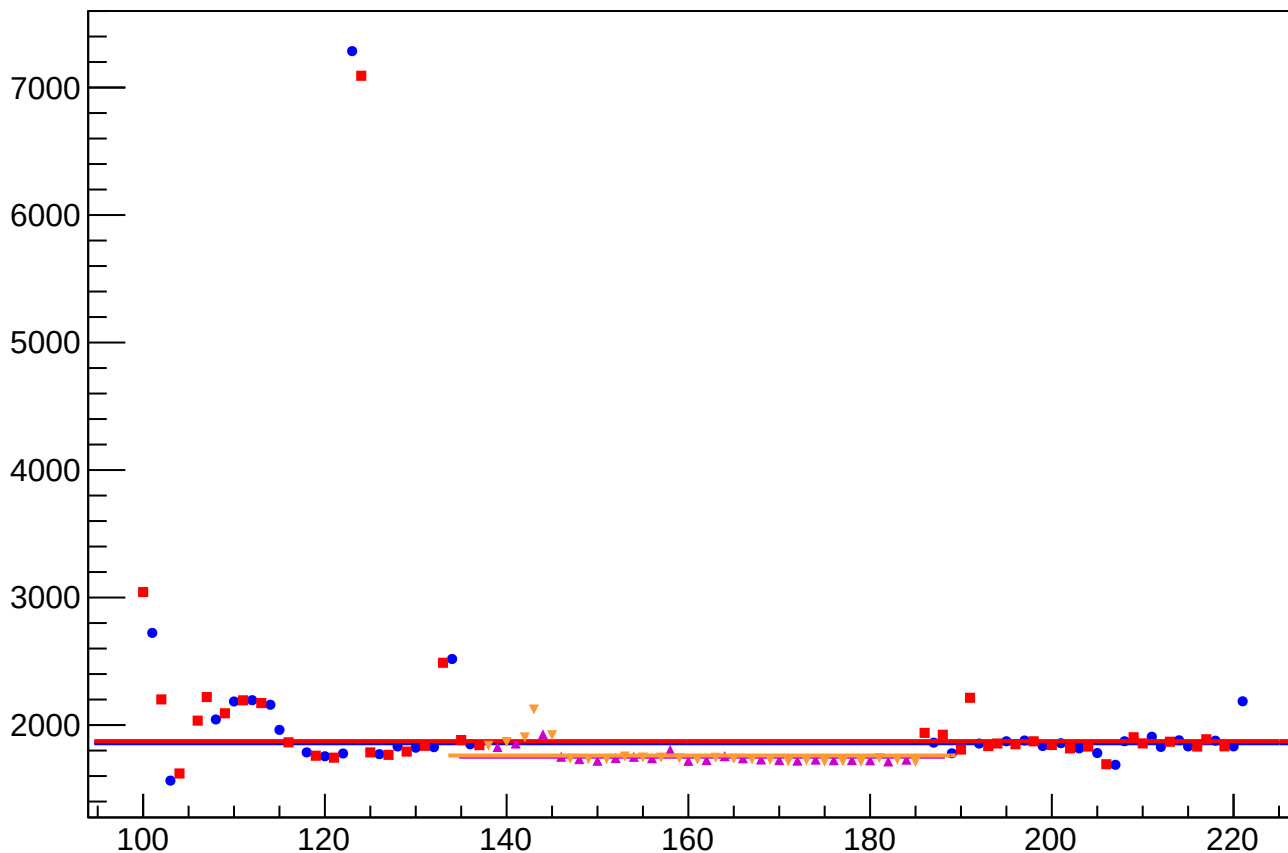
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -522.010 ± 295.287 χ^2/NDF : 52.5/59

All: -102.913 ± 210.443 χ^2/NDF : 125.6/119

- sign 329.650 ± 299.993 χ^2/NDF : 69.0/59

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1857.184 $\pm$ 0.300 χ^2 /NDF: 326185.8/34

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

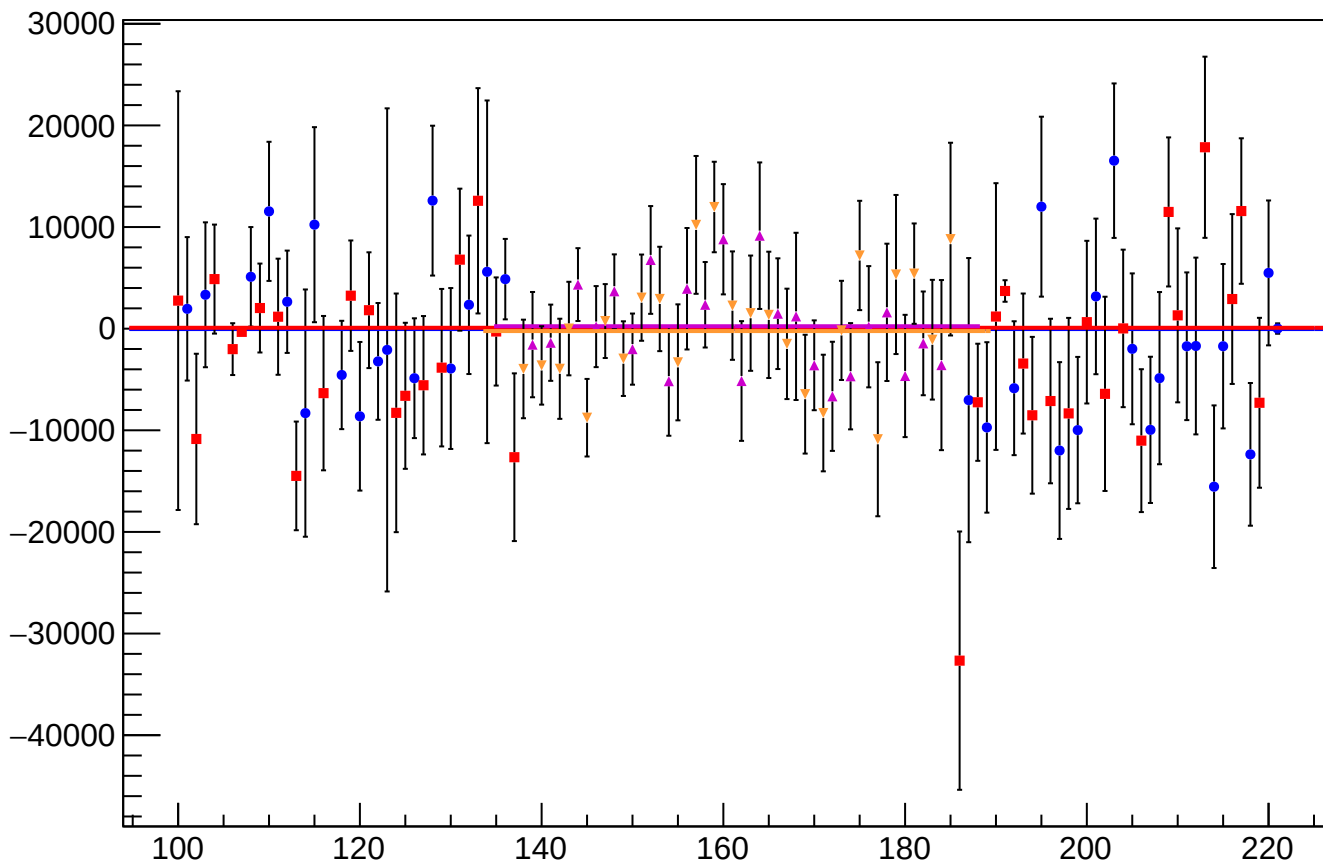
Left In: 1751.418 $\pm$ 0.297 χ^2 /NDF: 28578.7/22

+ sign 1807.576 $\pm$ 0.209 χ^2 /NDF: 456548.3/59

All: 1809.505 $\pm$ 0.149 χ^2 /NDF: 965436.2/119

- sign 1811.494 $\pm$ 0.212 χ^2 /NDF: 508714.6/59

asym_atl1r2_dd_correction_mean vs Slug



Right In: -38.184 $\pm$ 472.025 χ^2/NDF : 37.0/34

Left Out: -235.806 $\pm$ 1005.144 χ^2/NDF : 28.9/24

Right Out: 87.452 $\pm$ 407.907 χ^2/NDF : 55.5/36

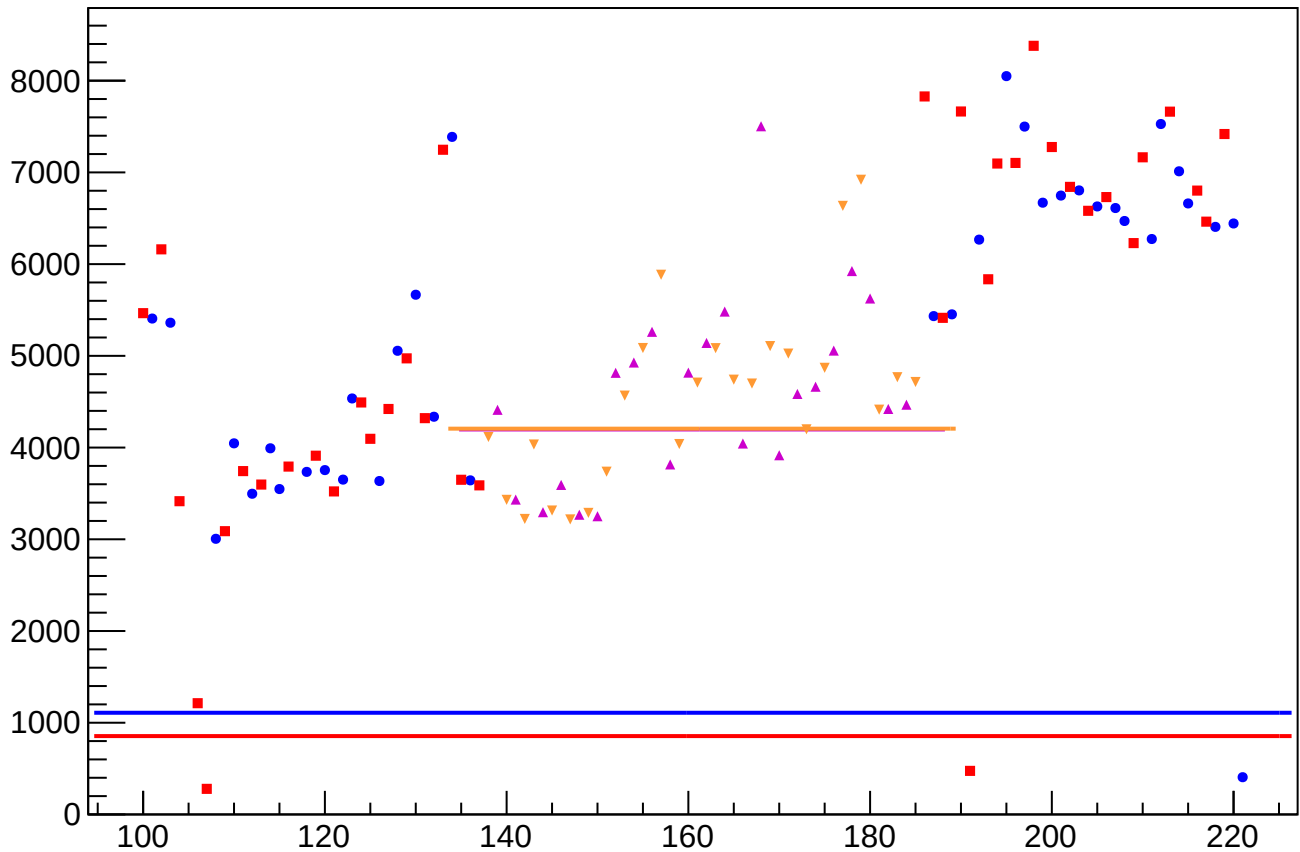
Left In: 239.224 $\pm$ 1028.883 χ^2/NDF : 15.3/22

+ sign -73.892 $\pm$ 427.258 χ^2/NDF : 65.9/59

All: 27.894 $\pm$ 283.608 χ^2/NDF : 136.9/119

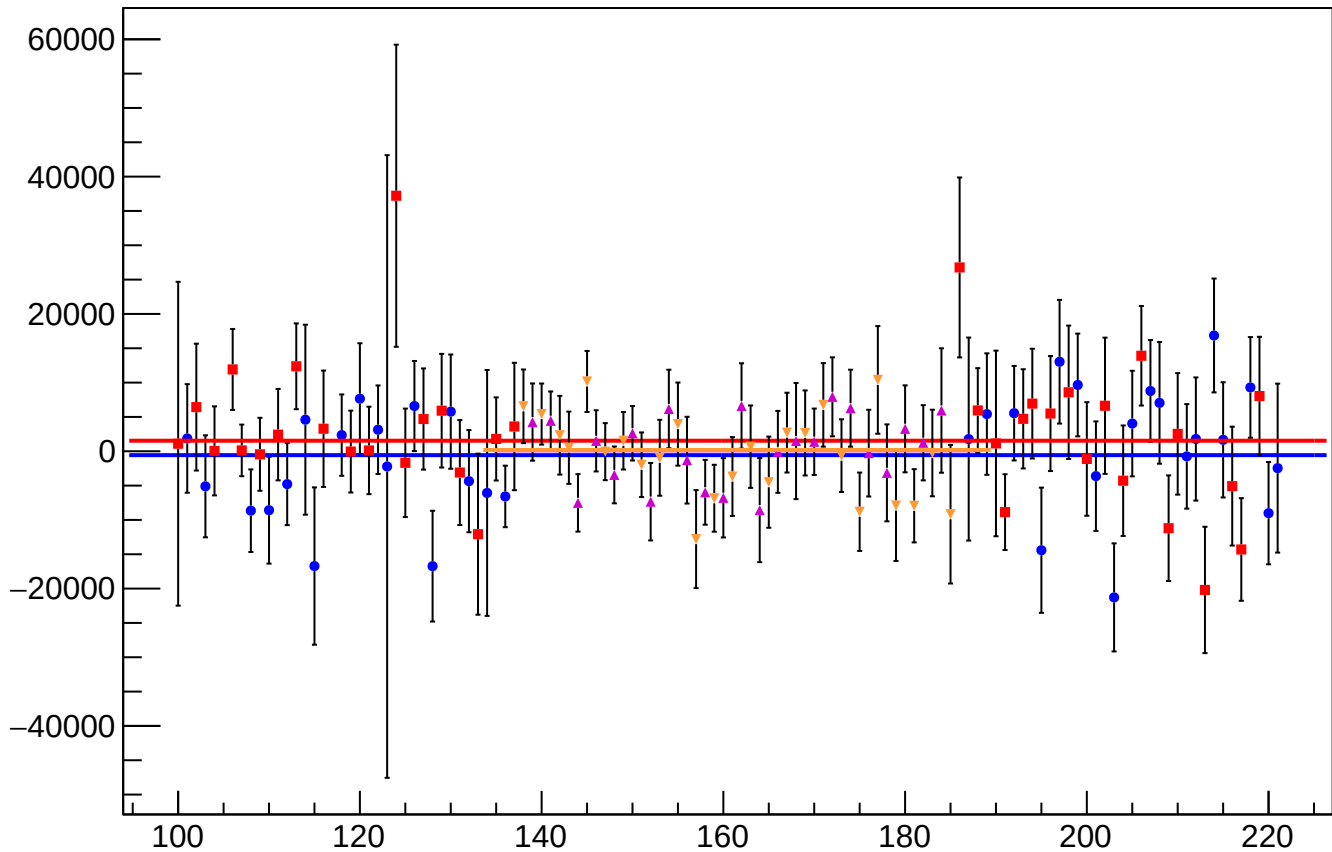
- sign 108.067 $\pm$ 379.194 χ^2/NDF : 70.8/59

asym_atl1r2_dd_correction_rms vs Slug



Right In: 1108.702 ± 0.334 $\chi^2/\text{NDF}: 28038805.1/34$
 Left Out: 4206.076 ± 0.711 $\chi^2/\text{NDF}: 1442269.3/24$ + sign 1668.354 ± 0.302 $\chi^2/\text{NDF}: 45041142.3/59$
 Right Out: 854.396 ± 0.288 $\chi^2/\text{NDF}: 29662867.7/36$ All: 1467.029 ± 0.201 $\chi^2/\text{NDF}: 95213581.4/1$
 Left In: 4197.267 ± 0.728 $\chi^2/\text{NDF}: 1471012.9/22$ - sign 1308.452 ± 0.268 $\chi^2/\text{NDF}: 49378602.6/59$

asym_atl1r2_dd_mean vs Slug



Right In: -566.245+/-1320.302 χ^2/NDF : 40.7/34

Left Out: 189.721+/-1106.851 χ^2/NDF : 25.0/24

Right Out: 1536.192+/-1215.174 χ^2/NDF : 38.9/36

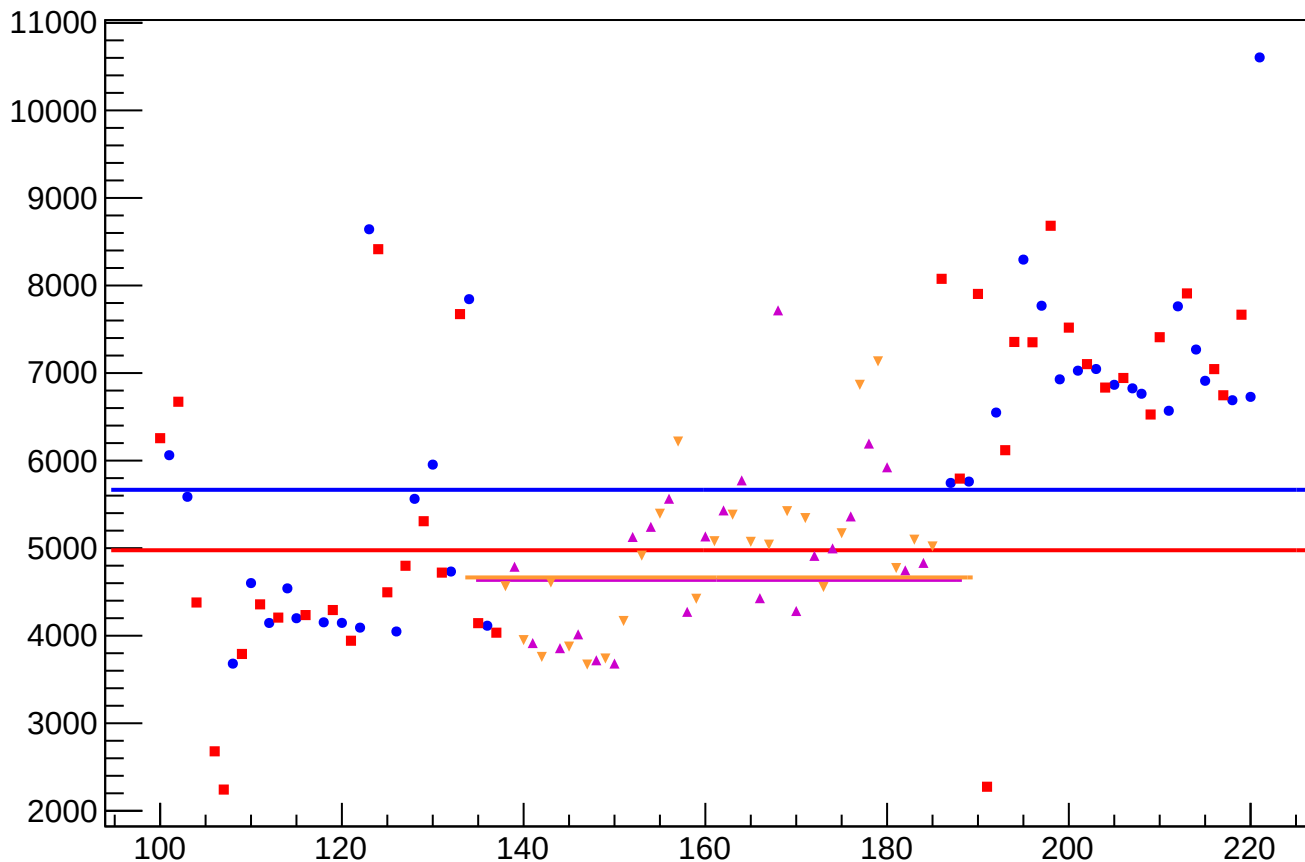
Left In: 137.477+/-1129.656 χ^2/NDF : 18.6/22

+ sign -122.291+/-848.218 χ^2/NDF : 65.9/59

All: 343.097+/-592.272 χ^2/NDF : 124.6/119

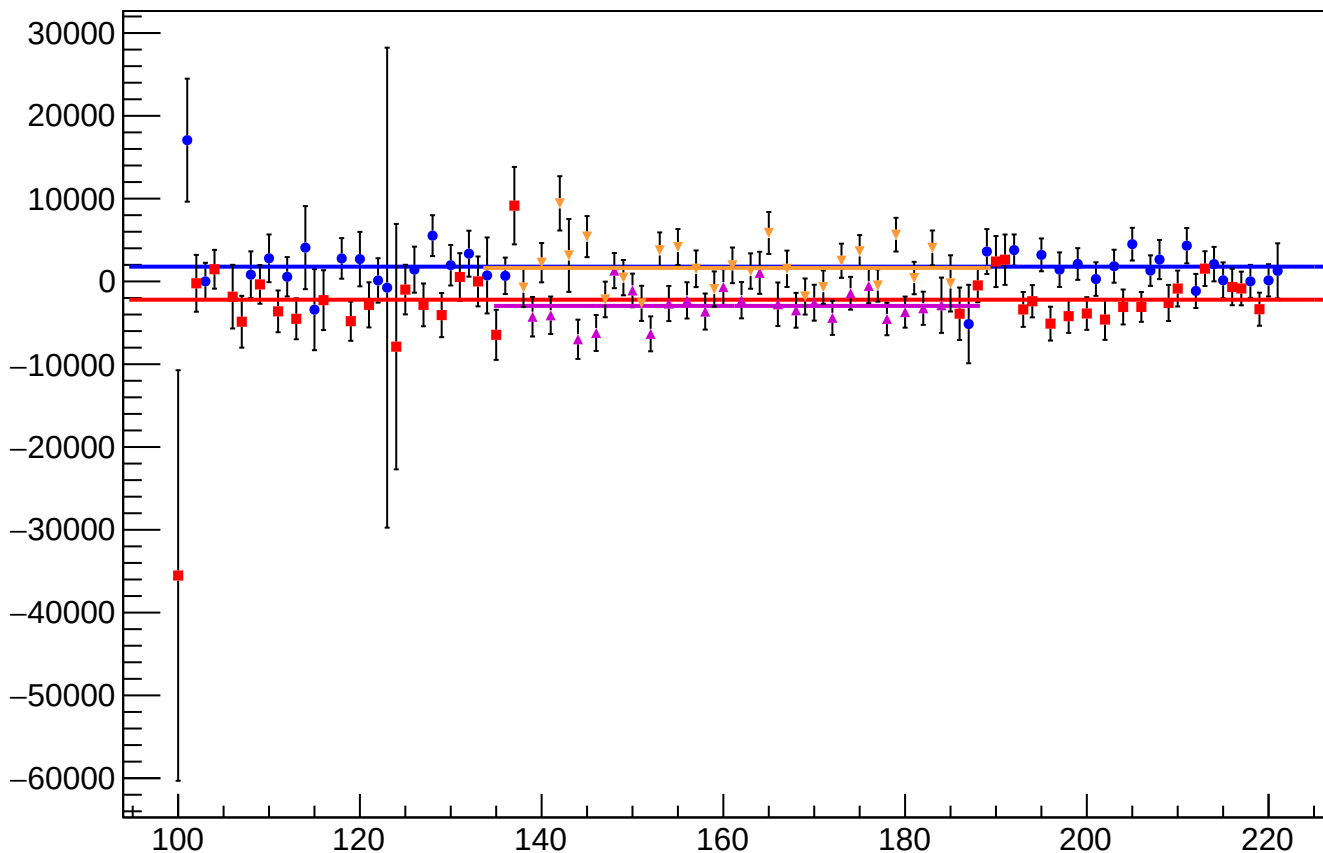
- sign 785.890+/-827.370 χ^2/NDF : 58.2/59

asym_atl1r2_dd_rms vs Slug



Right In: 5666.442 $\pm$ 0.934	χ^2 /NDF: 2462467.4/34	+ sign 5078.691 $\pm$ 0.600	χ^2 /NDF: 4154593.6/59
Left Out: 4665.620 $\pm$ 0.783	χ^2 /NDF: 1017235.0/24	All: 4933.205 $\pm$ 0.418	χ^2 /NDF: 10183937.9/100
Right Out: 4976.127 $\pm$ 0.856	χ^2 /NDF: 4765989.1/36	- sign 4795.273 $\pm$ 0.584	χ^2 /NDF: 5914722.4/59
Left In: 4637.777 $\pm$ 0.799	χ^2 /NDF: 1065217.2/22		

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1782.103 $\pm$ 411.147 χ^2 /NDF: 22.8/34

Left Out: 1630.035 $\pm$ 447.063 χ^2 /NDF: 35.4/24

Right Out: -2208.883 $\pm$ 409.636 χ^2 /NDF: 34.6/36

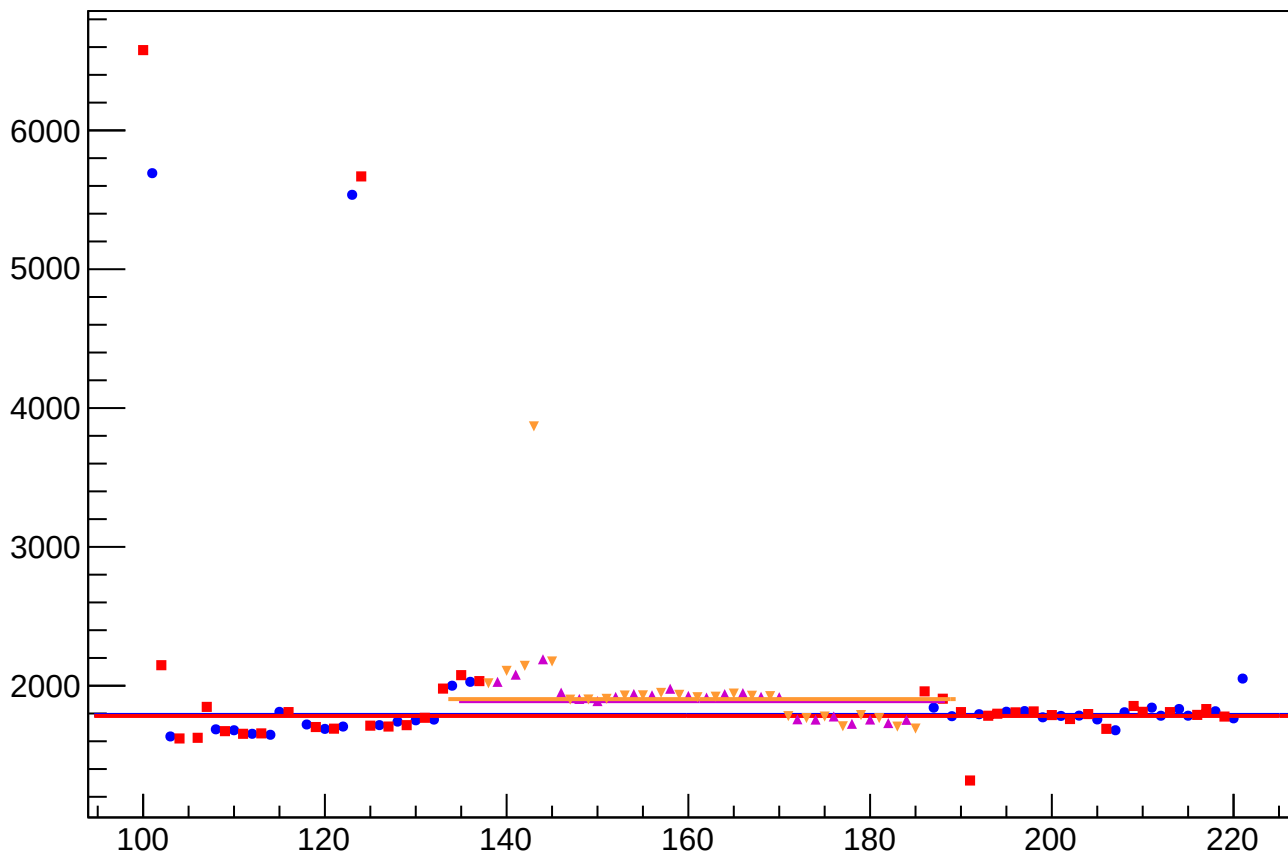
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1712.422 $\pm$ 302.627 χ^2 /NDF: 58.3/59

All: -406.661 $\pm$ 214.488 χ^2 /NDF: 213.3/119

- sign -2545.594 $\pm$ 304.041 χ^2 /NDF: 56.5/59

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1789.753+/-0.291 χ^2/NDF : 668829.2/34

Left Out: 1903.618+/-0.316 χ^2/NDF : 541575.7/24

Right Out: 1782.349+/-0.289 χ^2/NDF : 378336.8/36

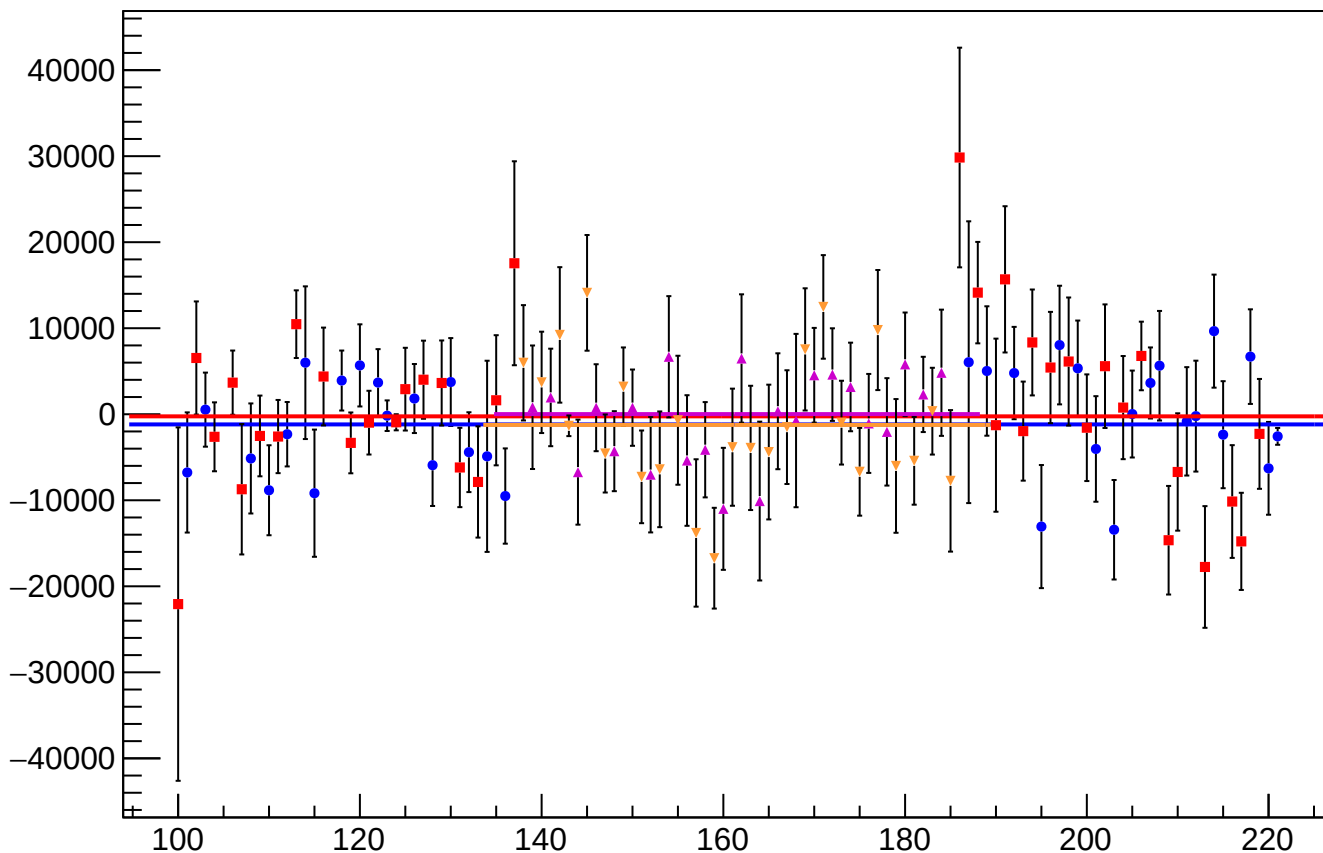
Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

+ sign 1841.928+/-0.214 χ^2/NDF : 1280695.7/59

All: 1836.025+/-0.152 χ^2/NDF : 1847913.8/11

- sign 1830.083+/-0.215 χ^2/NDF : 565691.1/59

asym_atr1l2_avg_correction_mean vs Slug



Right In: -1181.758 ± 632.837 χ^2/NDF : 39.7/34

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: -244.576 ± 654.148 χ^2/NDF : 65.8/36

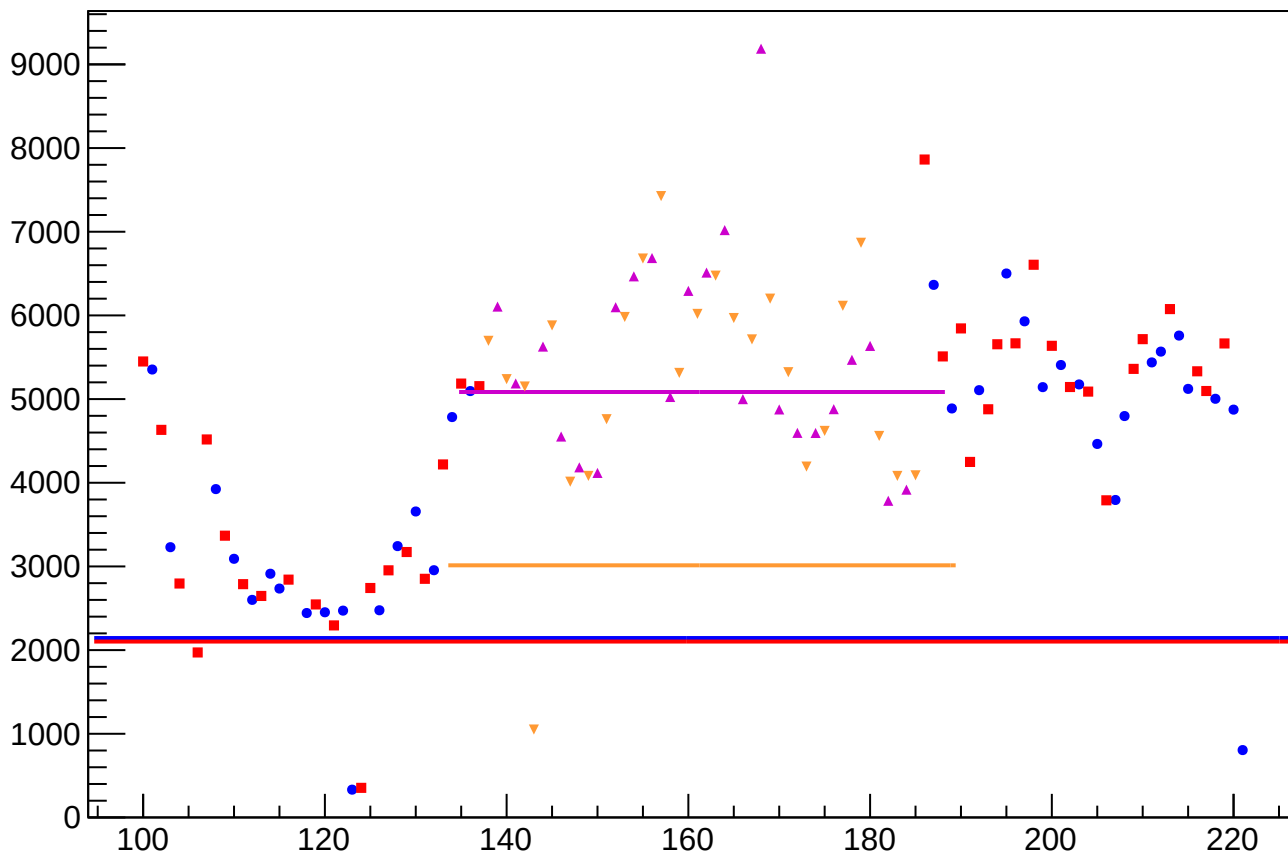
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -1201.999 ± 510.786 χ^2/NDF : 73.7/59

All: -758.196 ± 383.013 χ^2/NDF : 154.4/119

- sign -188.113 ± 578.912 χ^2/NDF : 79.1/59

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2144.263+/-0.447 χ^2/NDF : 16092778.0/34

Left Out: 3013.268+/-0.612 χ^2/NDF : 12270753.9/24

Right Out: 2102.282+/-0.463 χ^2/NDF : 18054328.0/36

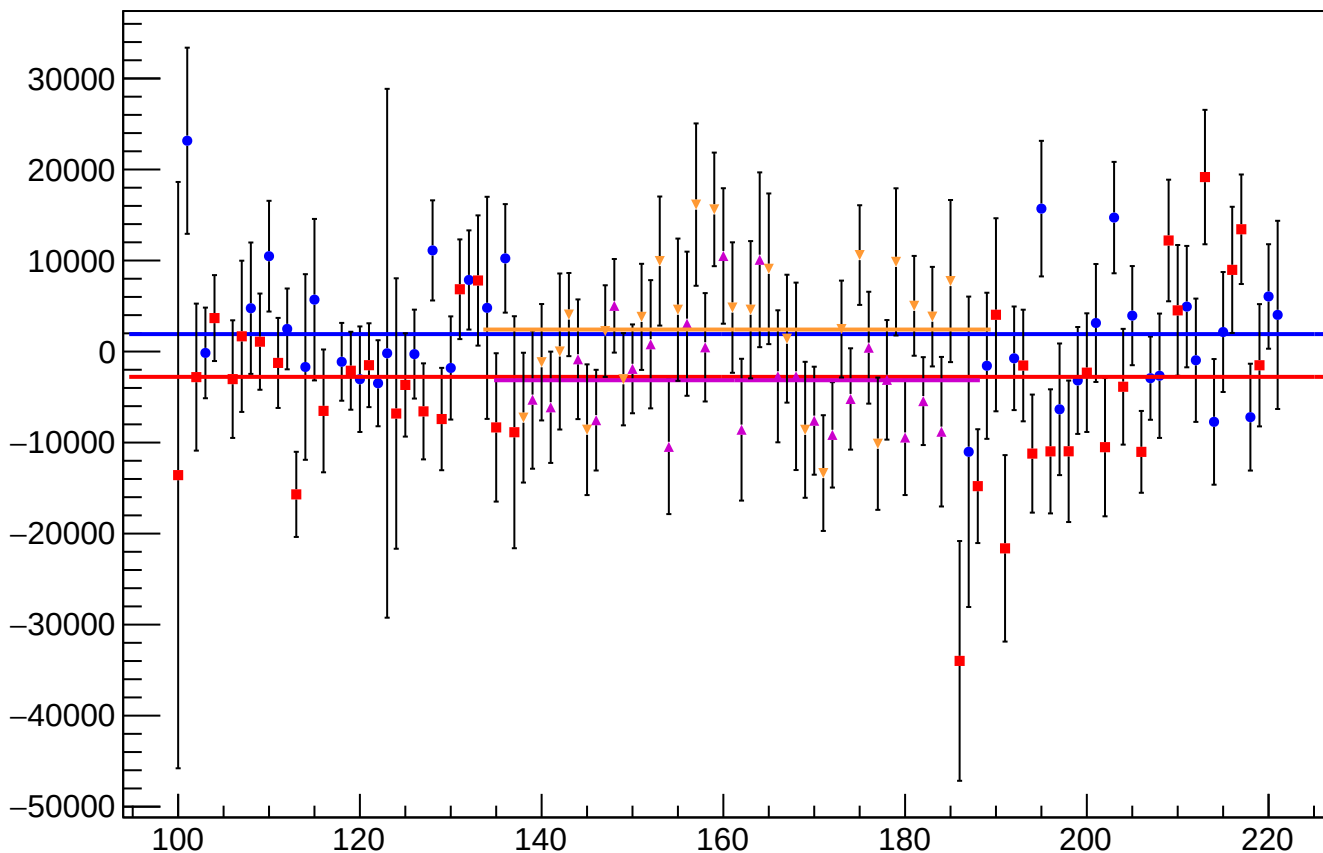
Left In: 5084.645+/-0.879 χ^2/NDF : 1303587.7/22

+ sign 2447.139+/-0.361 χ^2/NDF : 29677949.4/59

All: 2579.210+/-0.271 χ^2/NDF : 58354120.7/1

- sign 2748.861+/-0.409 χ^2/NDF : 28370702.9/59

asym_atr1l2_avg_mean vs Slug



Right In: 1916.223+/-1053.669 χ^2/NDF : 34.0/34

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -2781.594+/-1050.069 χ^2/NDF : 65.1/36

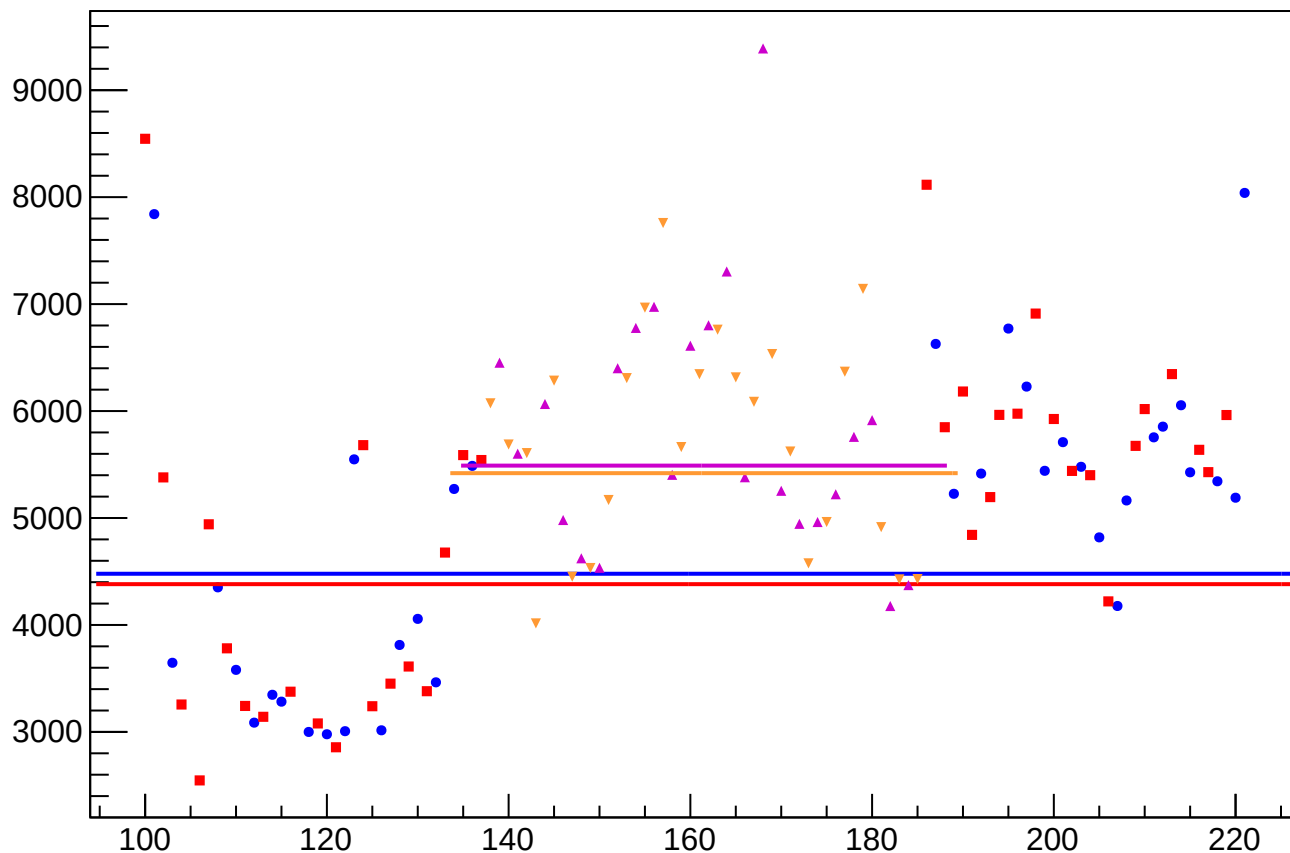
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2117.364+/-815.155 χ^2/NDF : 64.0/59

All: -369.999+/-580.166 χ^2/NDF : 163.5/119

- sign -2923.411+/-825.907 χ^2/NDF : 80.6/59

asym_atr1l2_avg_rms vs Slug



Right In: 4478.778+/-0.745 χ^2/NDF : 2737506.4/34

Left Out: 5419.305+/-0.910 χ^2/NDF : 1109972.1/24

Right Out: 4381.550+/-0.736 χ^2/NDF : 3066813.0/36

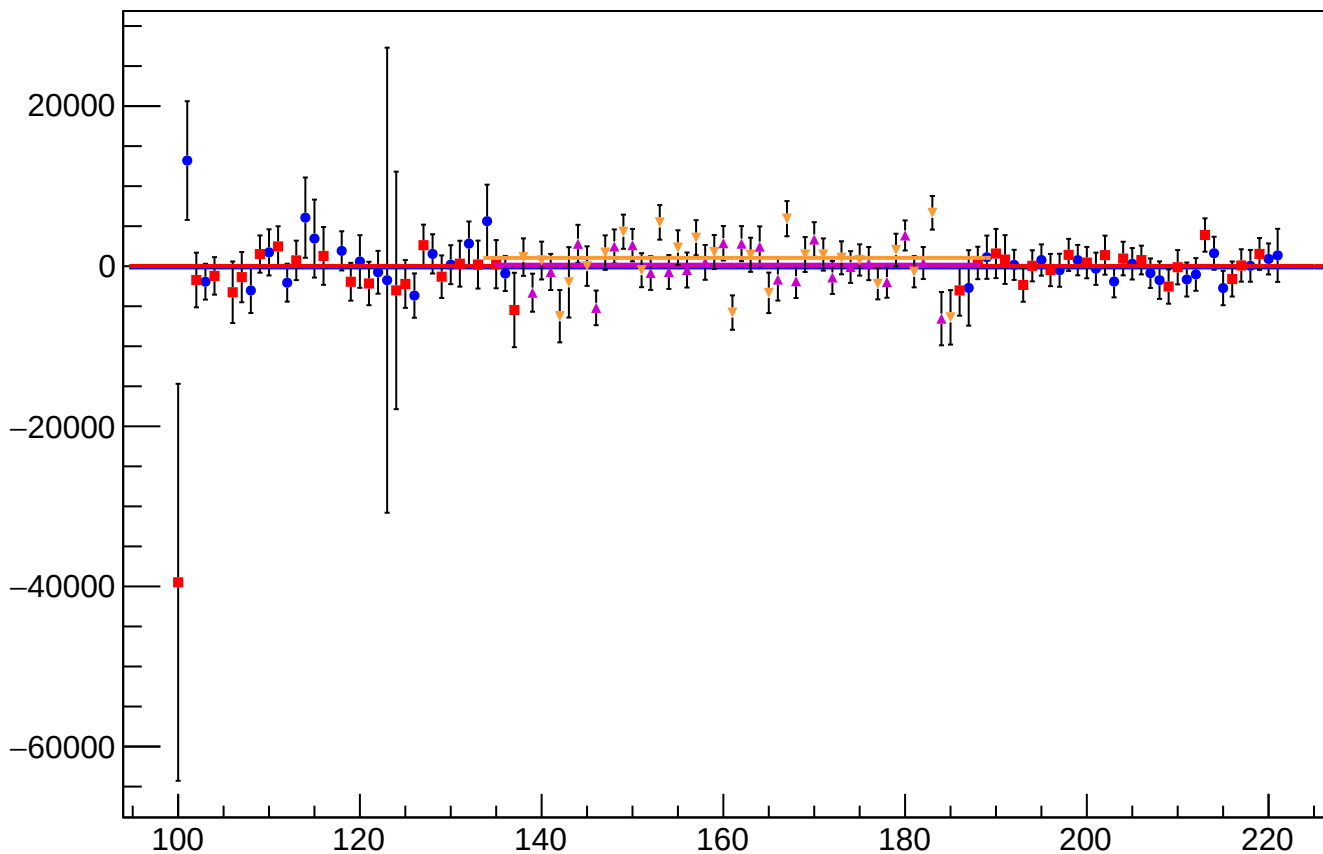
Left In: 5489.885+/-0.946 χ^2/NDF : 1064353.3/22

+ sign 4856.387+/-0.576 χ^2/NDF : 4487271.0/59

All: 4828.411+/-0.409 χ^2/NDF : 9478215.9/11

- sign 4799.982+/-0.581 χ^2/NDF : 4986195.4/59

reg_asym_atr1l2_dd_mean vs Slug



Right In: -151.595 ± 408.939 χ^2/NDF : 19.8/34

Left Out: 1041.262 ± 446.249 χ^2/NDF : 48.6/24

Right Out: 35.406 ± 407.411 χ^2/NDF : 20.1/36

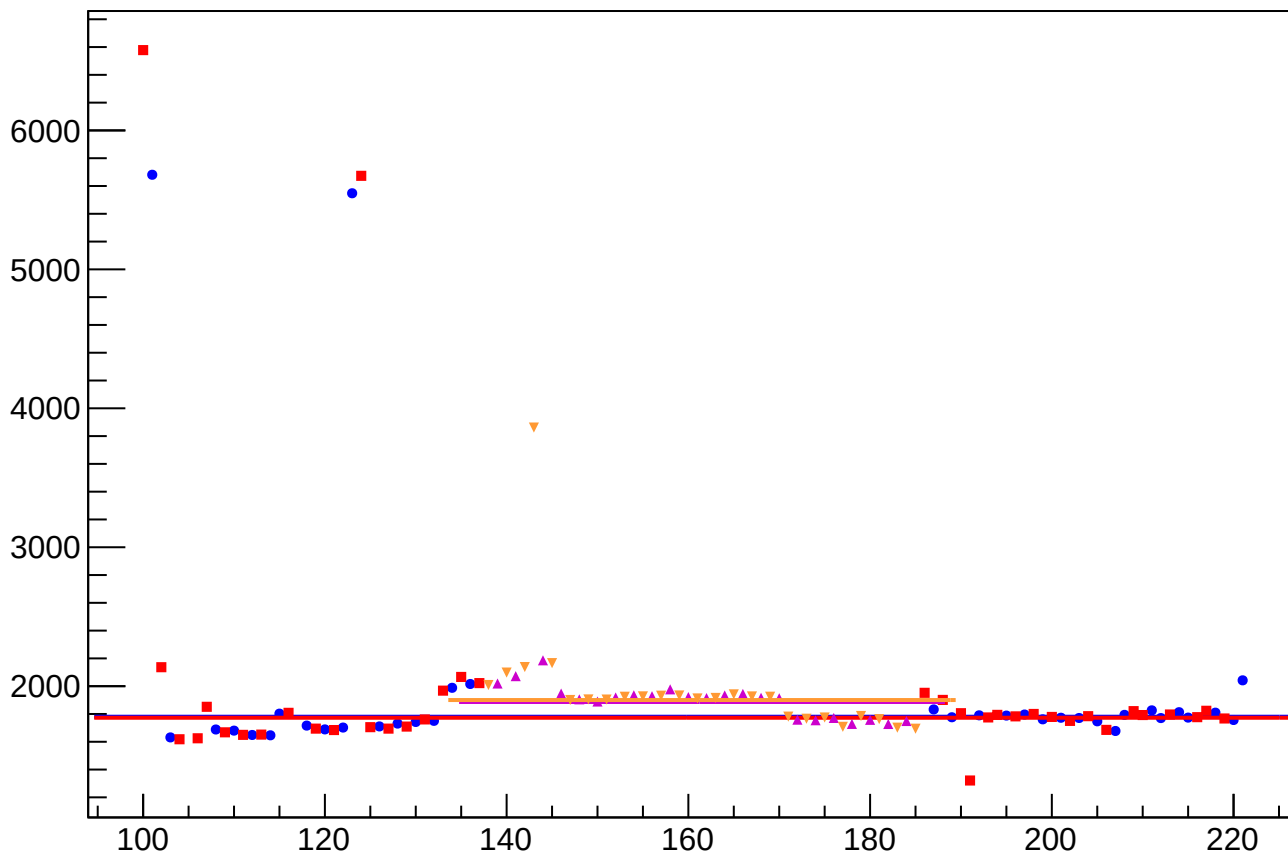
Left In: 191.966 ± 453.055 χ^2/NDF : 30.0/22

+ sign 392.890 ± 301.492 χ^2/NDF : 72.2/59

All: 249.835 ± 213.697 χ^2/NDF : 122.8/119

- sign 105.405 ± 302.939 χ^2/NDF : 50.1/59

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1780.252 $\pm$ 0.289 χ^2 /NDF: 665251.8/34

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

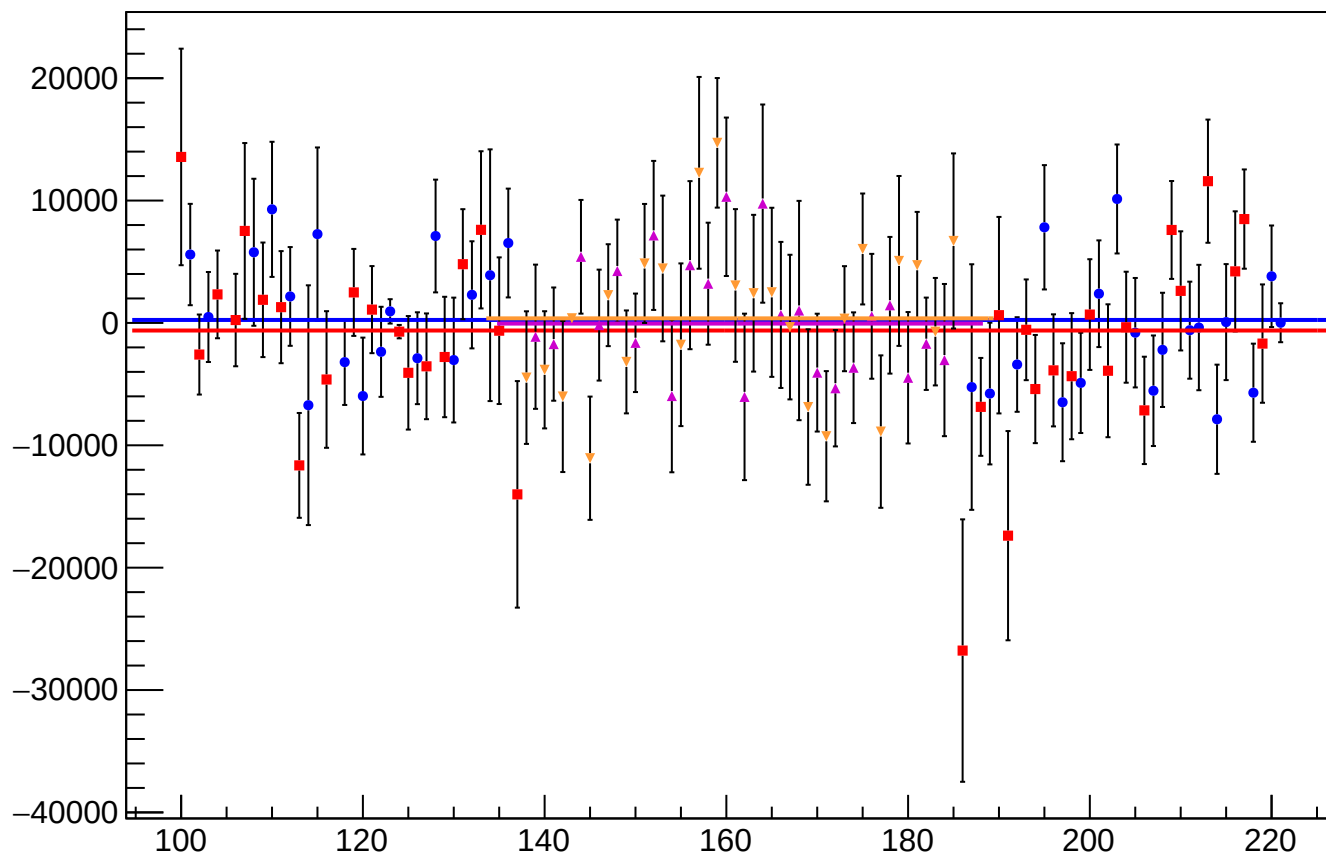
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1835.046 $\pm$ 0.213 χ^2 /NDF: 1281809.7/59

All: 1829.296 $\pm$ 0.151 χ^2 /NDF: 1849175.8/11

- sign 1823.507 $\pm$ 0.214 χ^2 /NDF: 565906.4/59

asym_atr1l2_dd_correction_mean vs Slug



Right In: 243.487 ± 580.302 χ^2/NDF : 37.7/34

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -619.462 ± 448.880 χ^2/NDF : 53.7/36

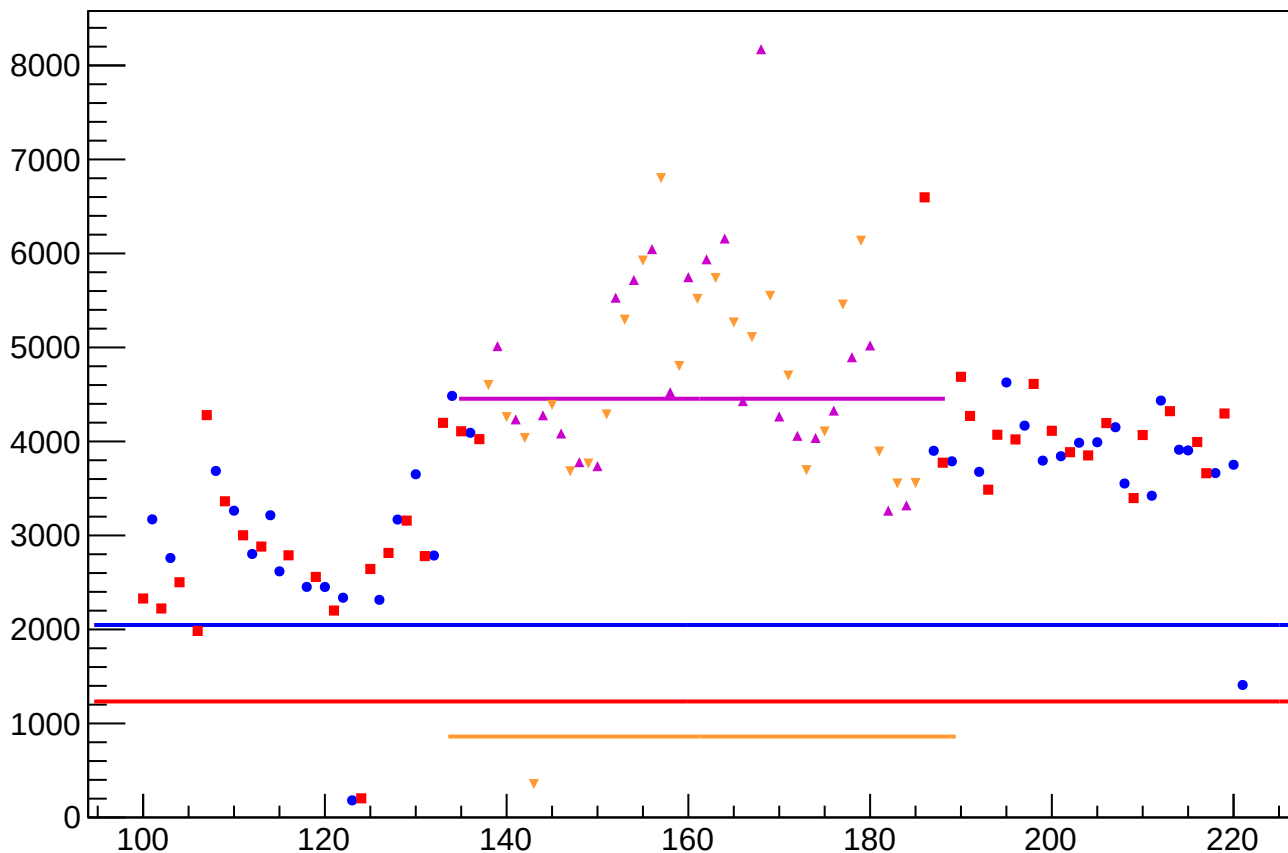
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 334.028 ± 319.115 χ^2/NDF : 68.6/59

All: 10.308 ± 252.985 χ^2/NDF : 139.8/119

- sign -537.324 ± 415.056 χ^2/NDF : 68.5/59

asym_atr1l2_dd_correction_rms vs Slug



Right In: 2047.439+/-0.410 χ^2/NDF : 14501788.7/34

Left Out: 860.545+/-0.270 χ^2/NDF : 26340106.5/24

Right Out: 1233.984+/-0.317 χ^2/NDF : 23610248.0/36

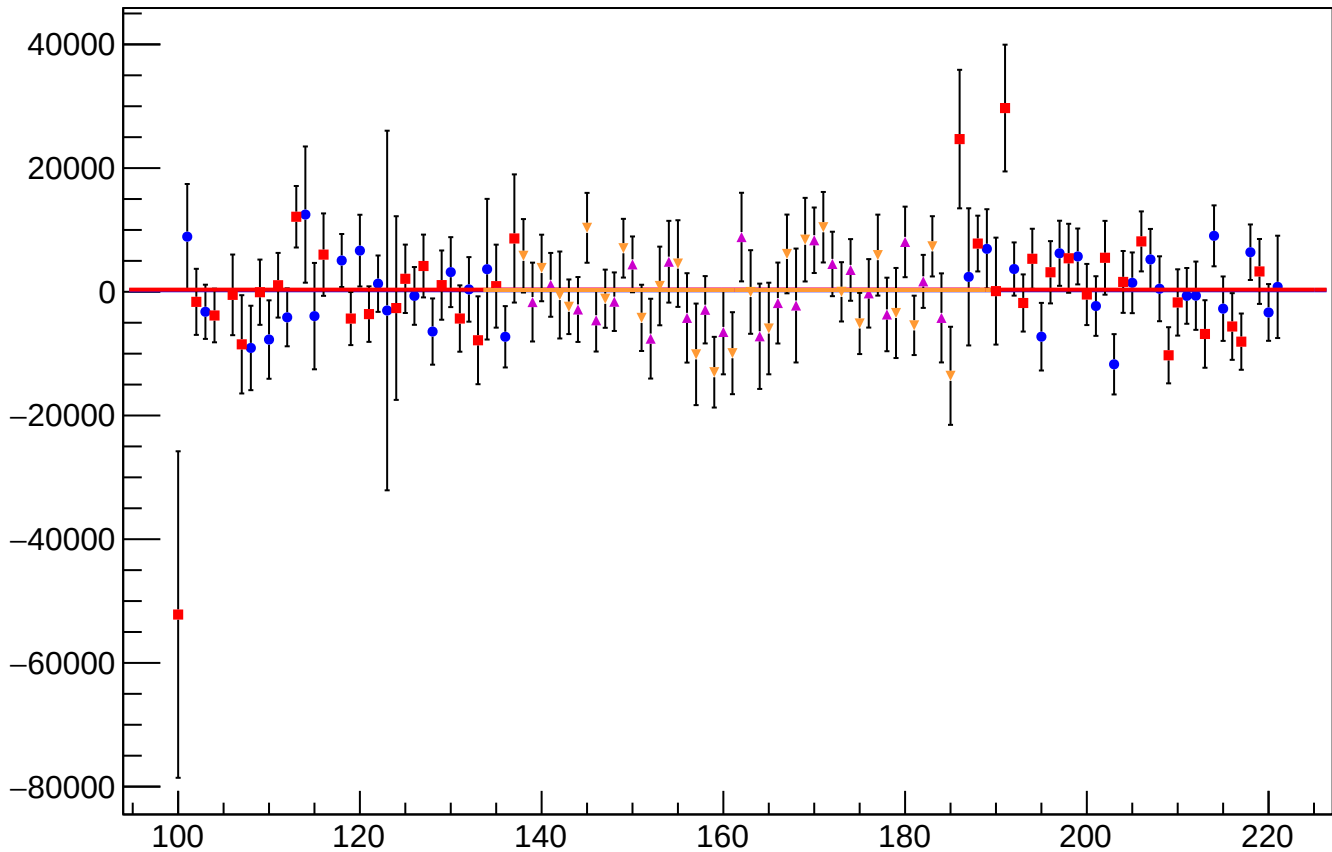
Left In: 4454.402+/-0.771 χ^2/NDF : 1349758.1/22

+ sign 1219.465+/-0.226 χ^2/NDF : 46678366.6/59

All: 1398.374+/-0.179 χ^2/NDF : 88259901.8/100

- sign 1701.031+/-0.293 χ^2/NDF : 39889441.8/59

asym_atr1l2_dd_mean vs Slug



Right In: 247.275 $\pm$ 916.283 χ^2 /NDF: 34.1/34

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

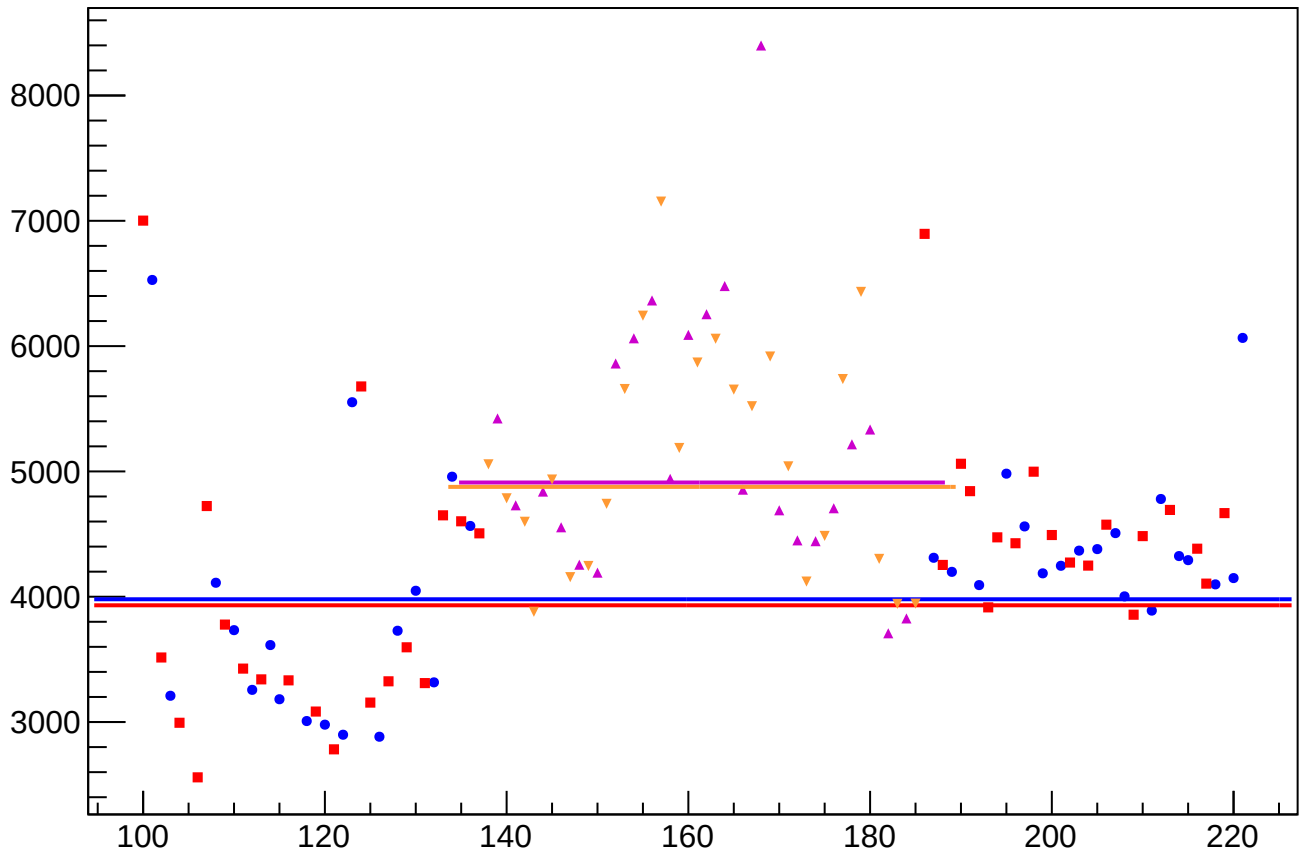
Left In: 332.488 $\pm$ 1196.011 χ^2 /NDF:14.7/22

+ sign 263.194 $\pm$ 717.931 χ^2 /NDF: 66.5/59

All: 303.021 $\pm$ 510.966 χ^2 /NDF: 133.1/119

- sign 343.903 $\pm$ 727.393 χ^2 /NDF: 66.5/59

asym_atr1l2_dd_rms vs Slug



Right In: 3979.707+/-0.648 χ^2/NDF : 1129854.6/34

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3931.581+/-0.644 χ^2/NDF : 1257883.0/36

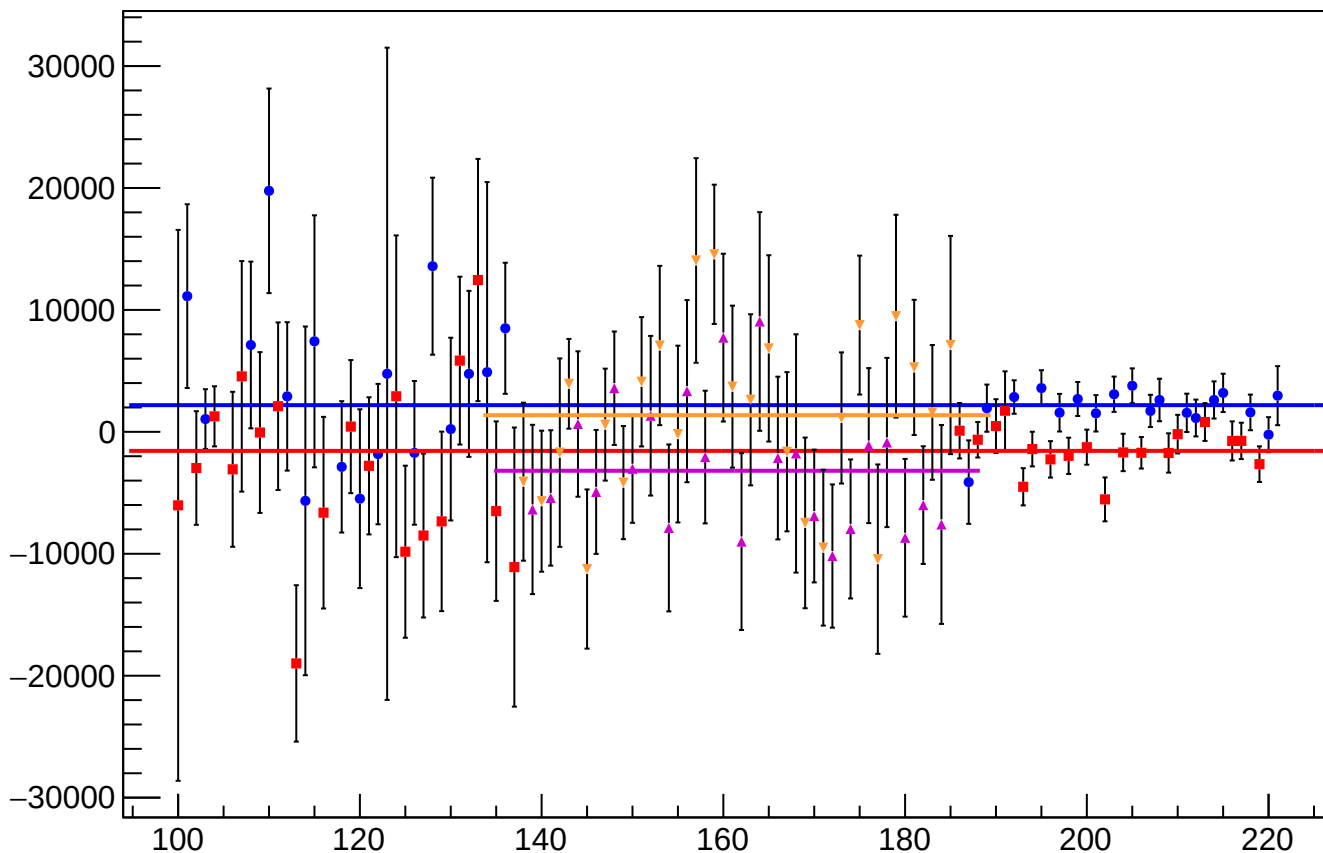
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4325.971+/-0.508 χ^2/NDF : 2842165.7/59

All: 4308.752+/-0.361 χ^2/NDF : 5995488.3/11

- sign 4291.214+/-0.512 χ^2/NDF : 3151000.2/59

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2189.542 $\pm$ 356.298 χ^2 /NDF: 25.2/34

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -1560.058 $\pm$ 361.755 χ^2 /NDF: 33.7/36

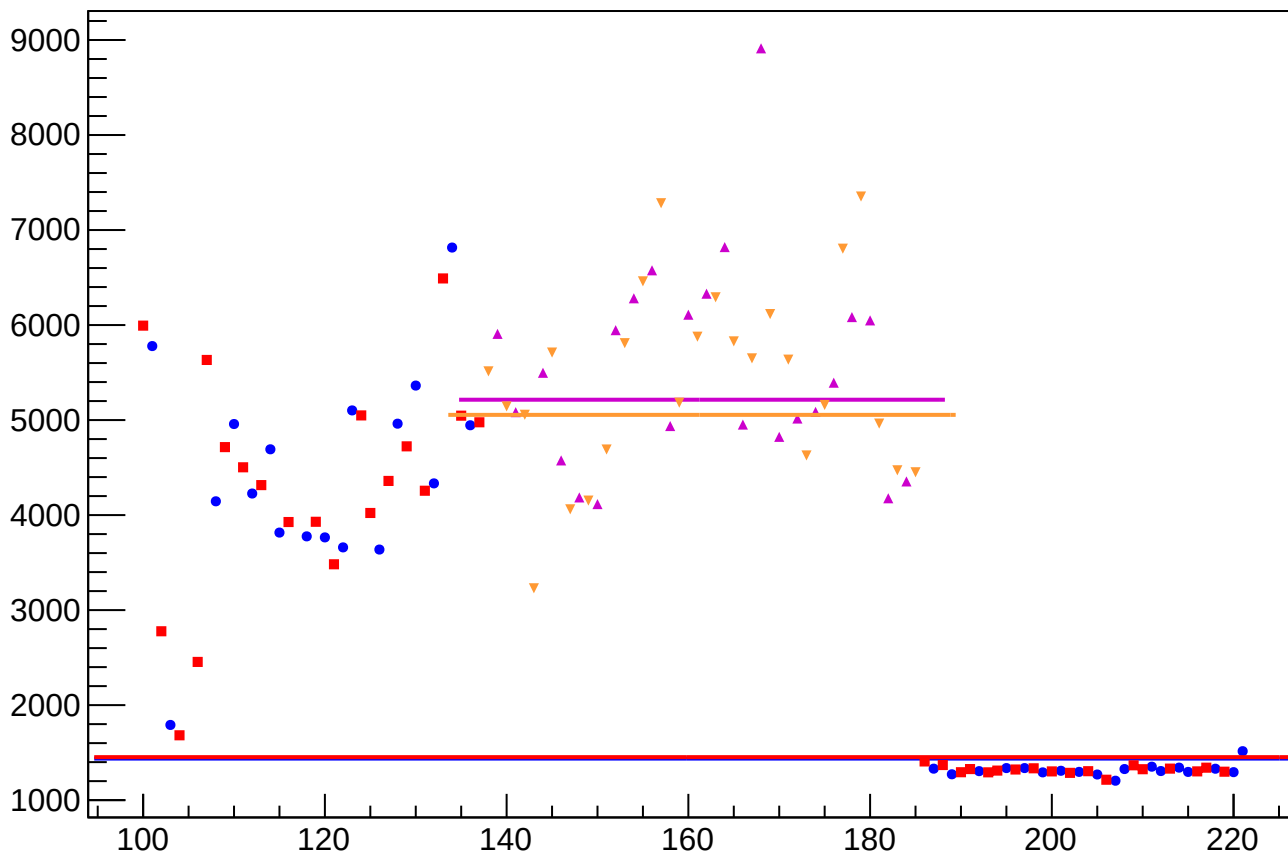
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 2123.384 $\pm$ 341.704 χ^2 /NDF: 53.6/59

All: 254.742 $\pm$ 243.788 χ^2 /NDF: 163.8/119

- sign -1682.465 $\pm$ 347.916 χ^2 /NDF: 49.2/59

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1437.380 ± 0.252 $\chi^2/\text{NDF}: 5949774.1/34$

Left Out: 5054.711 ± 0.853 $\chi^2/\text{NDF}: 1437224.7/24$

Right Out: 1452.441 ± 0.256 $\chi^2/\text{NDF}: 5865792.1/36$

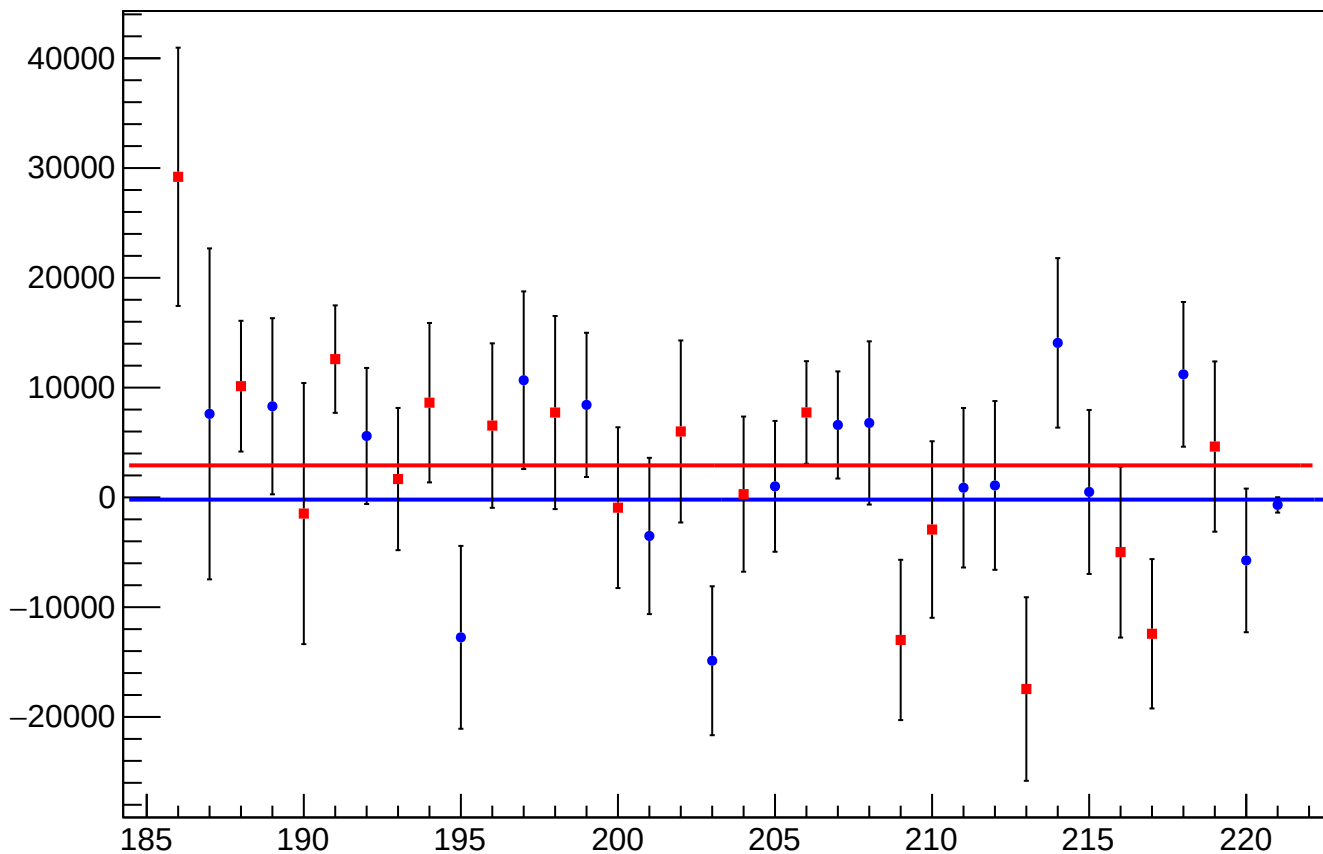
Left In: 5214.120 ± 0.898 $\chi^2/\text{NDF}: 1052501.5/22$

+ sign 1727.648 ± 0.242 $\chi^2/\text{NDF}: 23929148.1/59$

All: 1730.969 ± 0.172 $\chi^2/\text{NDF}: 47078368.8/100$

- sign 1734.408 ± 0.246 $\chi^2/\text{NDF}: 23148836.2/59$

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: -201.175+/-646.437 χ^2/NDF : 23.5/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 2916.661+/-1666.491 χ^2/NDF : 30.7/17

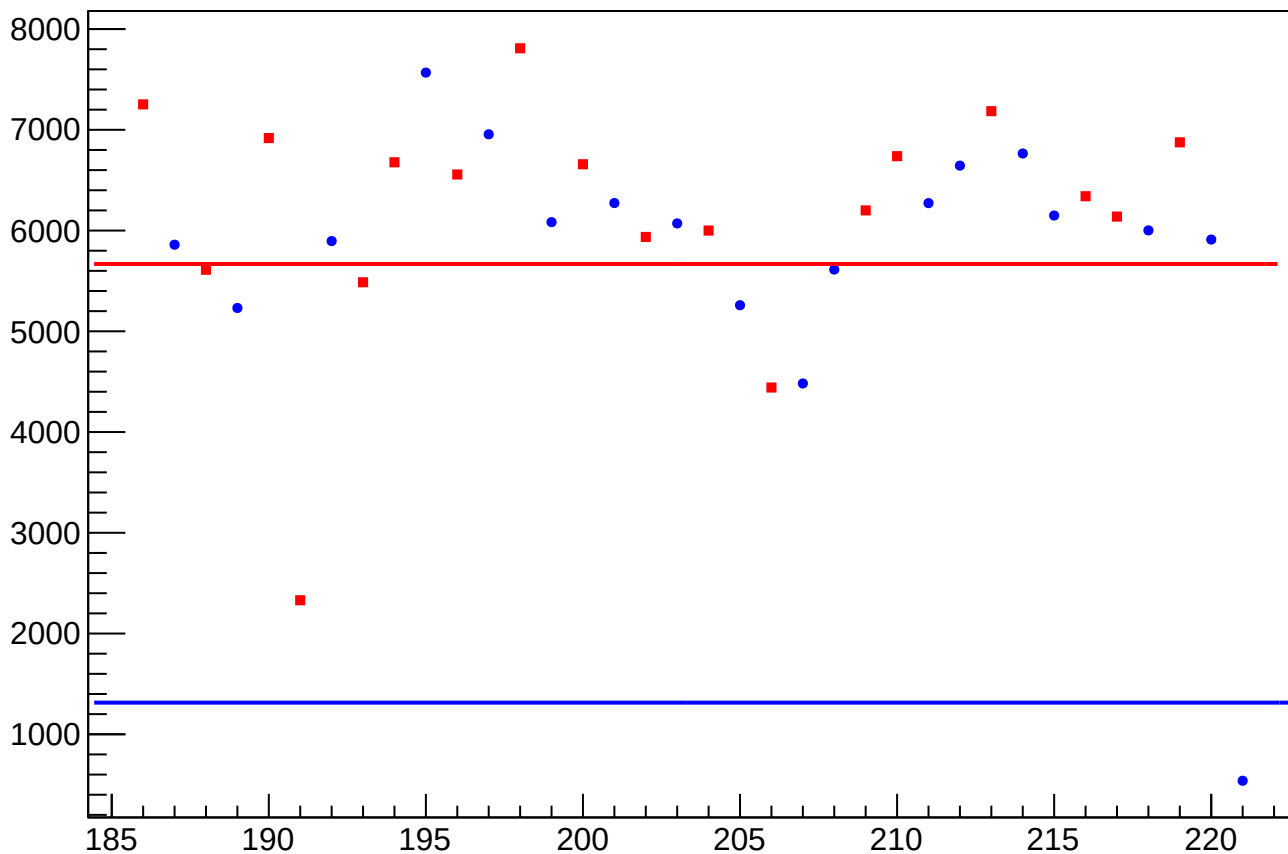
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 206.604+/-602.683 χ^2/NDF : 57.2/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 1314.140+/-0.457 χ^2/NDF : 17436987.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

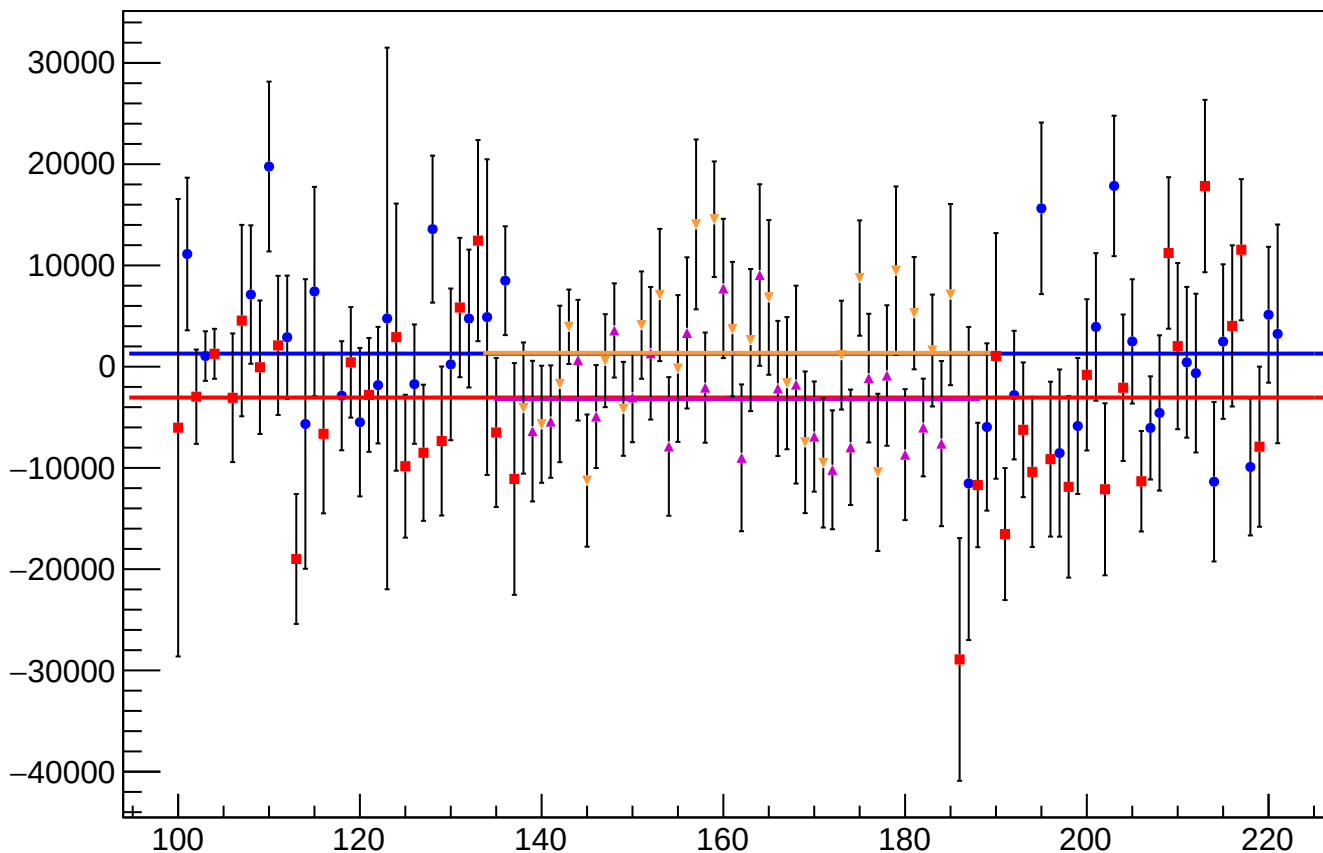
Right Out: 5668.303+/-1.178 χ^2/NDF : 1541309.7/17

All: 1883.618+/-0.426 χ^2/NDF : 30845781.6/3

- 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: 1292.288+/-1112.473 χ^2/NDF : 36.6/34

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -3046.477+/-1086.859 χ^2/NDF : 51.7/36

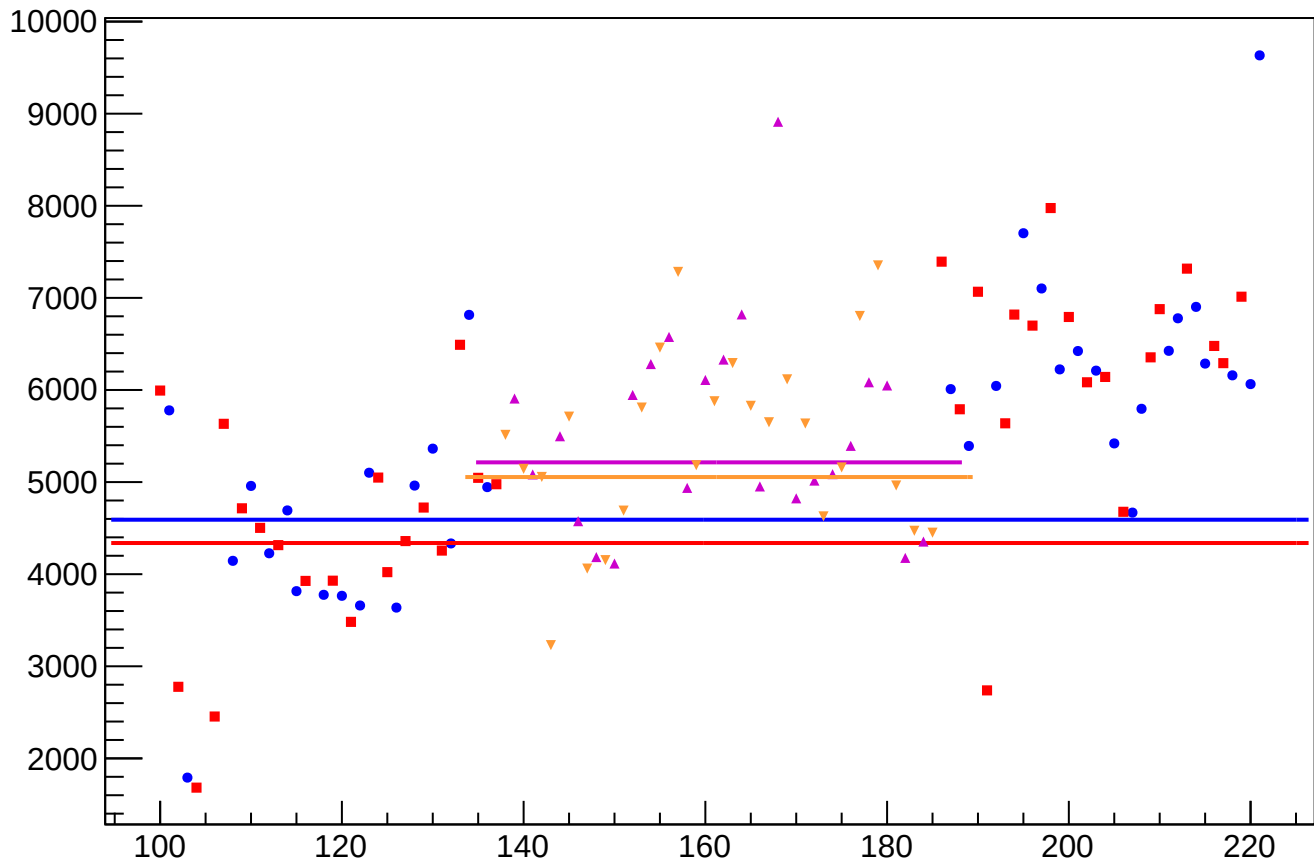
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 1325.745+/-817.788 χ^2/NDF : 64.5/59

All: -869.444+/-581.062 χ^2/NDF : 144.8/119

- sign -3107.642+/-825.761 χ^2/NDF : 65.7/59

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4591.400+/-0.787 χ^2/NDF : 5172484.0/34

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 4338.425+/-0.764 χ^2/NDF : 5872153.3/36

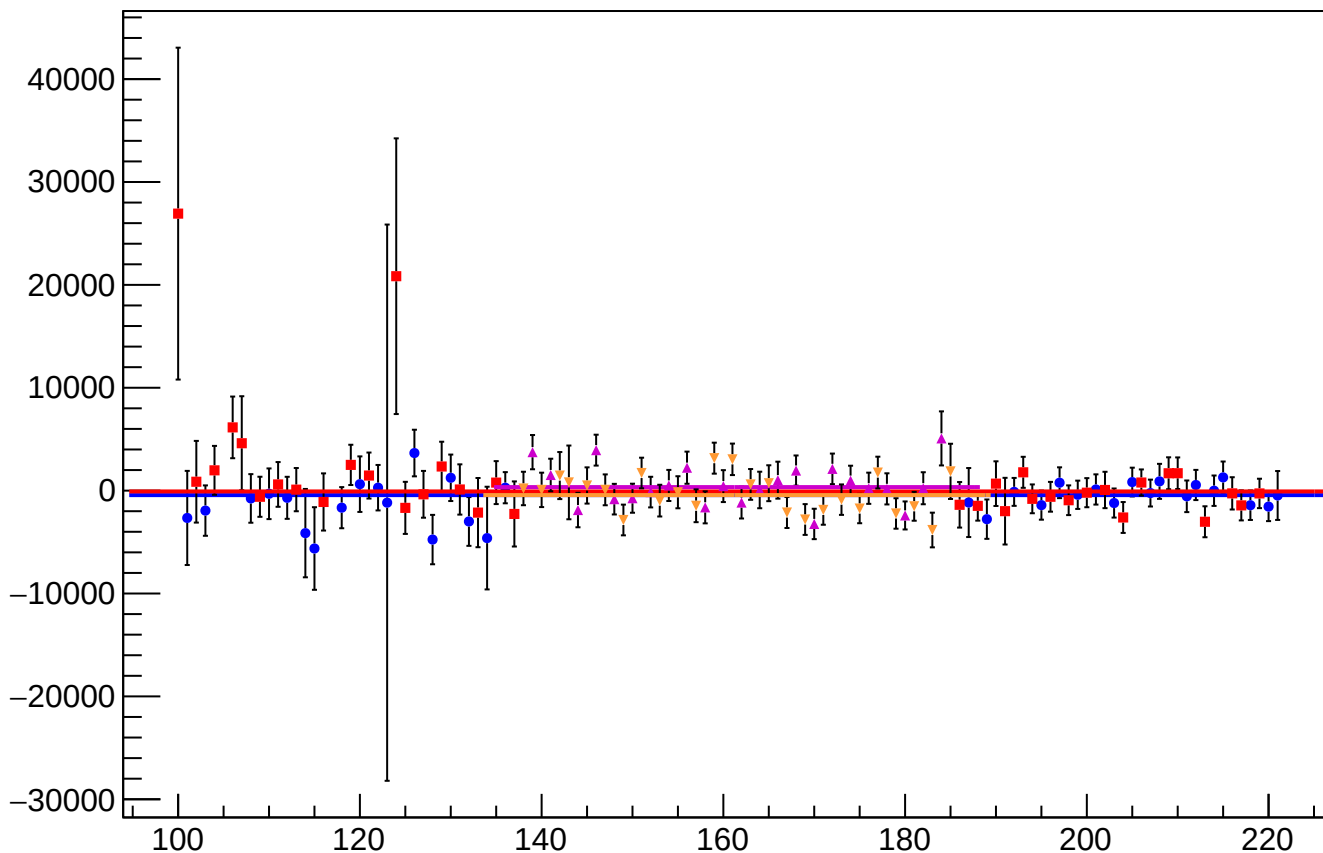
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 4804.342+/-0.578 χ^2/NDF : 6769148.7/59

All: 4755.578+/-0.410 χ^2/NDF : 14259646.4/100

- sign 4706.186+/-0.582 χ^2/NDF : 7476183.6/59

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -436.629 ± 309.422 χ^2/NDF : 20.3/34

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: -77.915 ± 312.531 χ^2/NDF : 31.1/36

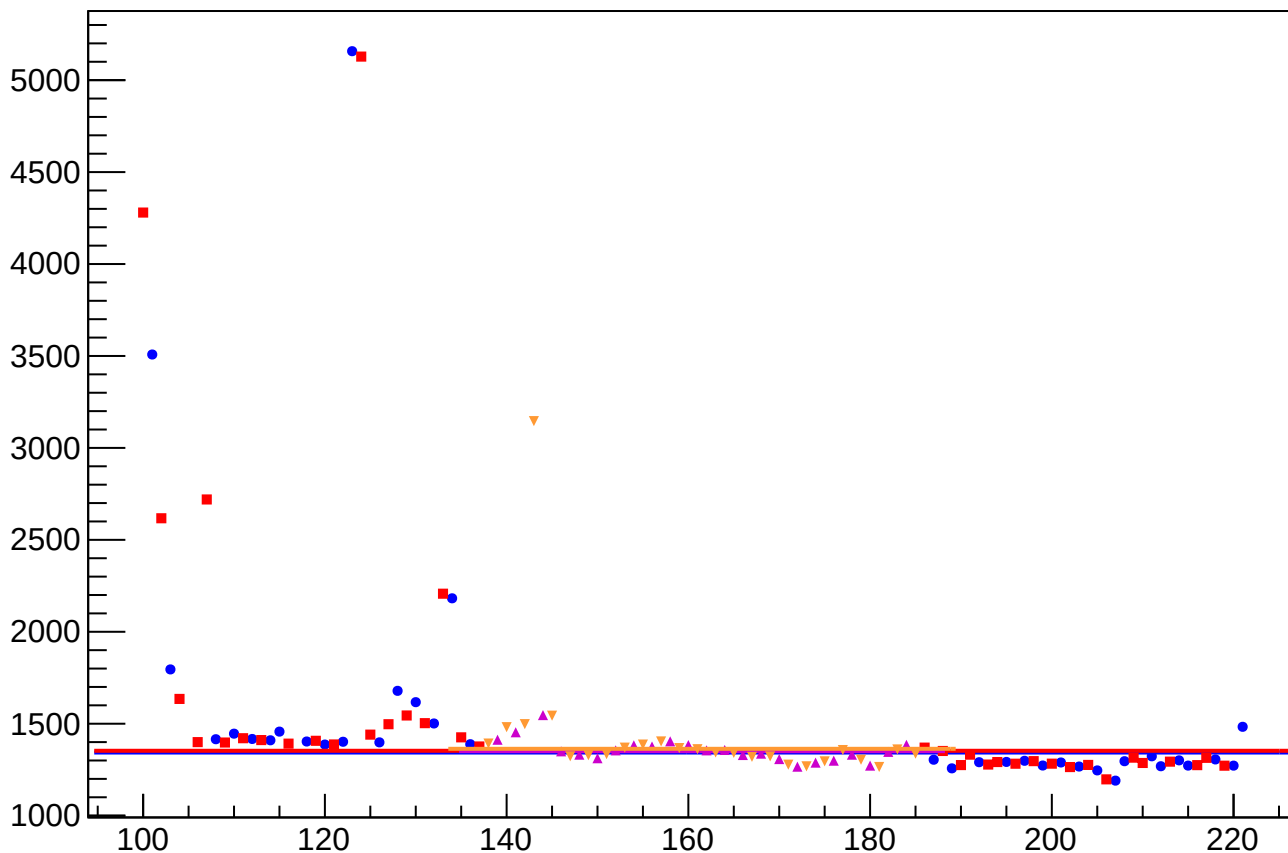
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -434.258 ± 222.621 χ^2/NDF : 53.4/59

All: -157.639 ± 158.273 χ^2/NDF : 122.3/119

- sign 125.077 ± 225.061 χ^2/NDF : 65.7/59

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1343.338 $\pm$ 0.219 χ^2 /NDF: 795291.2/34

Left Out: 1363.561 $\pm$ 0.227 χ^2 /NDF: 575226.6/24

Right Out: 1352.862 $\pm$ 0.221 χ^2 /NDF: 889458.3/36

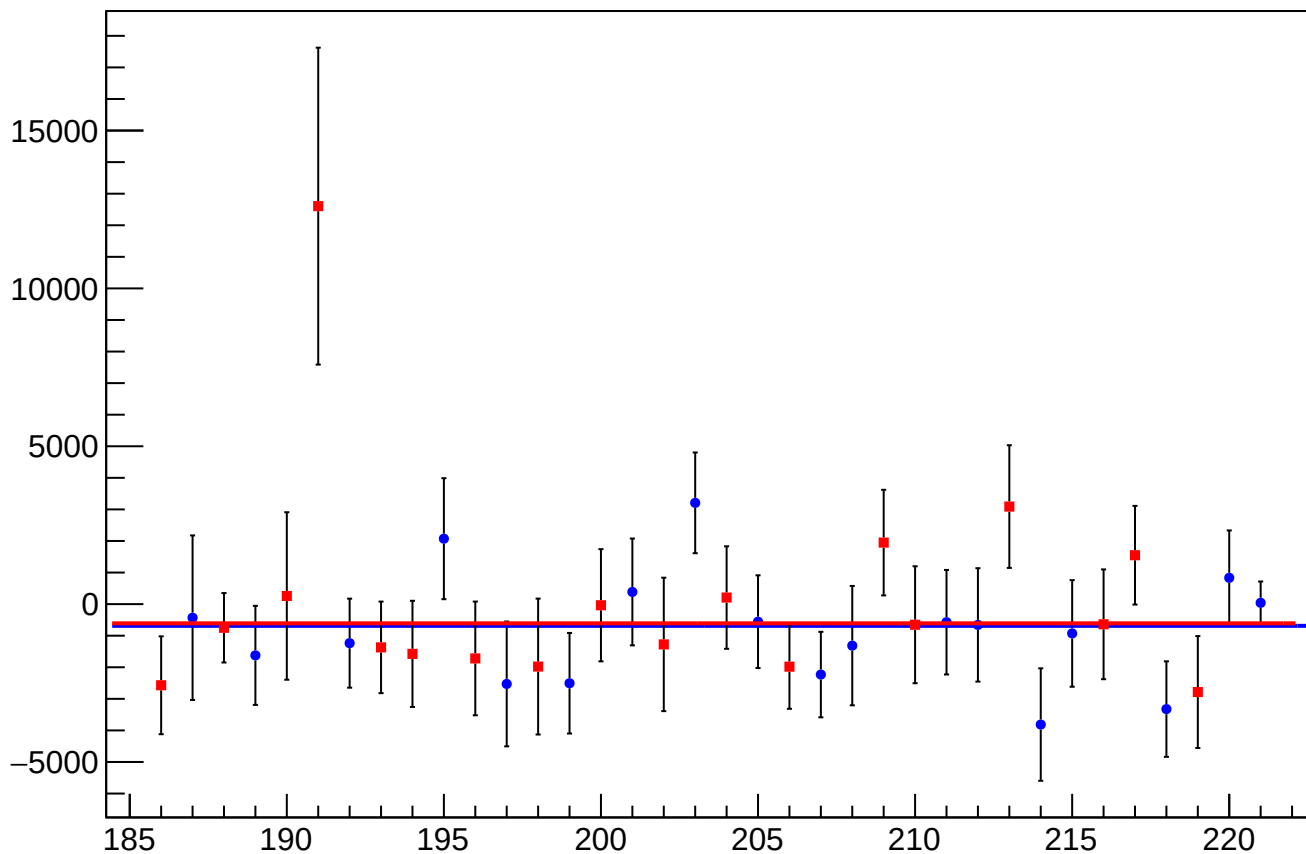
Left In: 1350.909 $\pm$ 0.229 χ^2 /NDF: 67144.5/22

+ sign 1353.093 $\pm$ 0.157 χ^2 /NDF: 1374638.9/59

All: 1352.513 $\pm$ 0.112 χ^2 /NDF: 2331306.7/11

- sign 1351.922 $\pm$ 0.159 χ^2 /NDF: 956640.4/59

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -687.993 $\pm$ 344.549 χ^2/NDF : 20.9/17

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

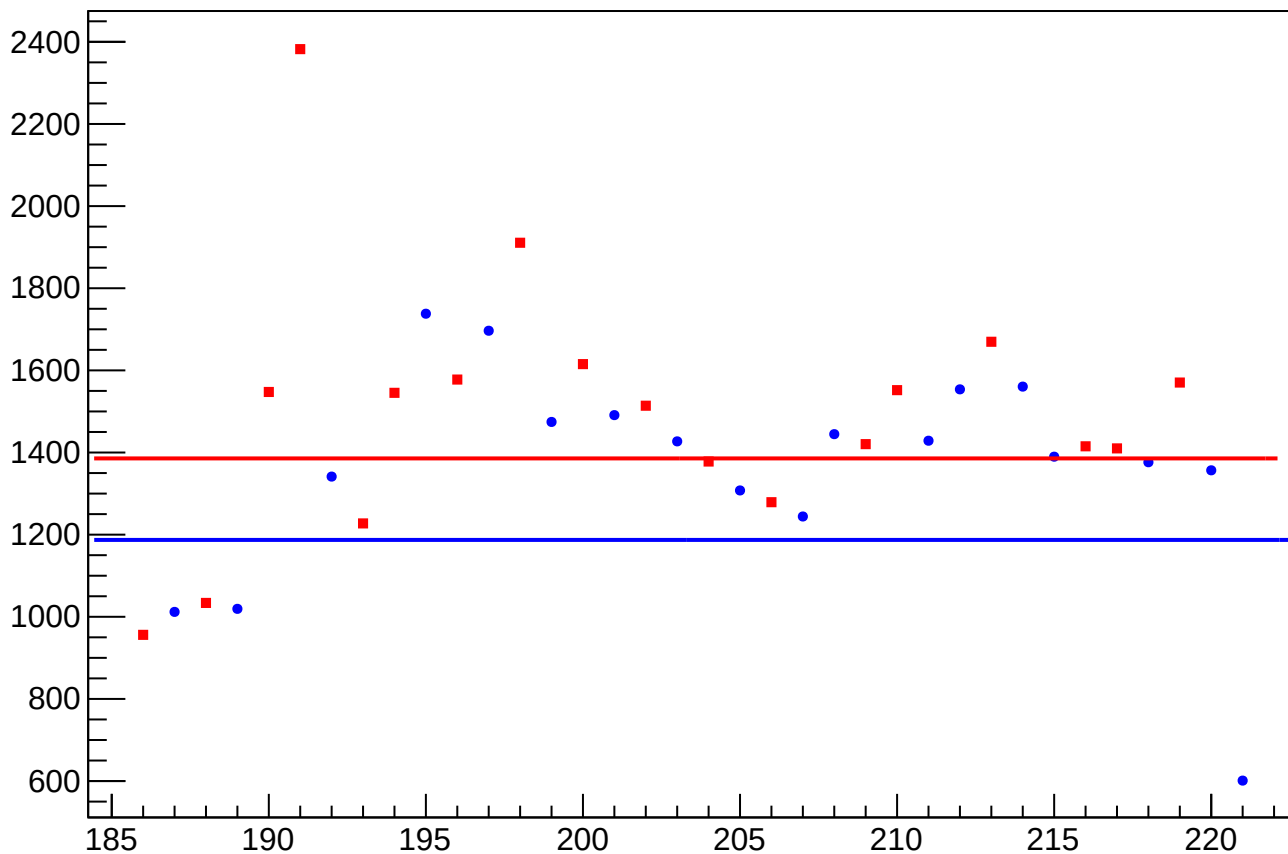
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: -653.879 $\pm$ 261.213 χ^2/NDF : 41.8/35

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1187.183+/-0.244 χ^2/NDF : 2388302.5/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

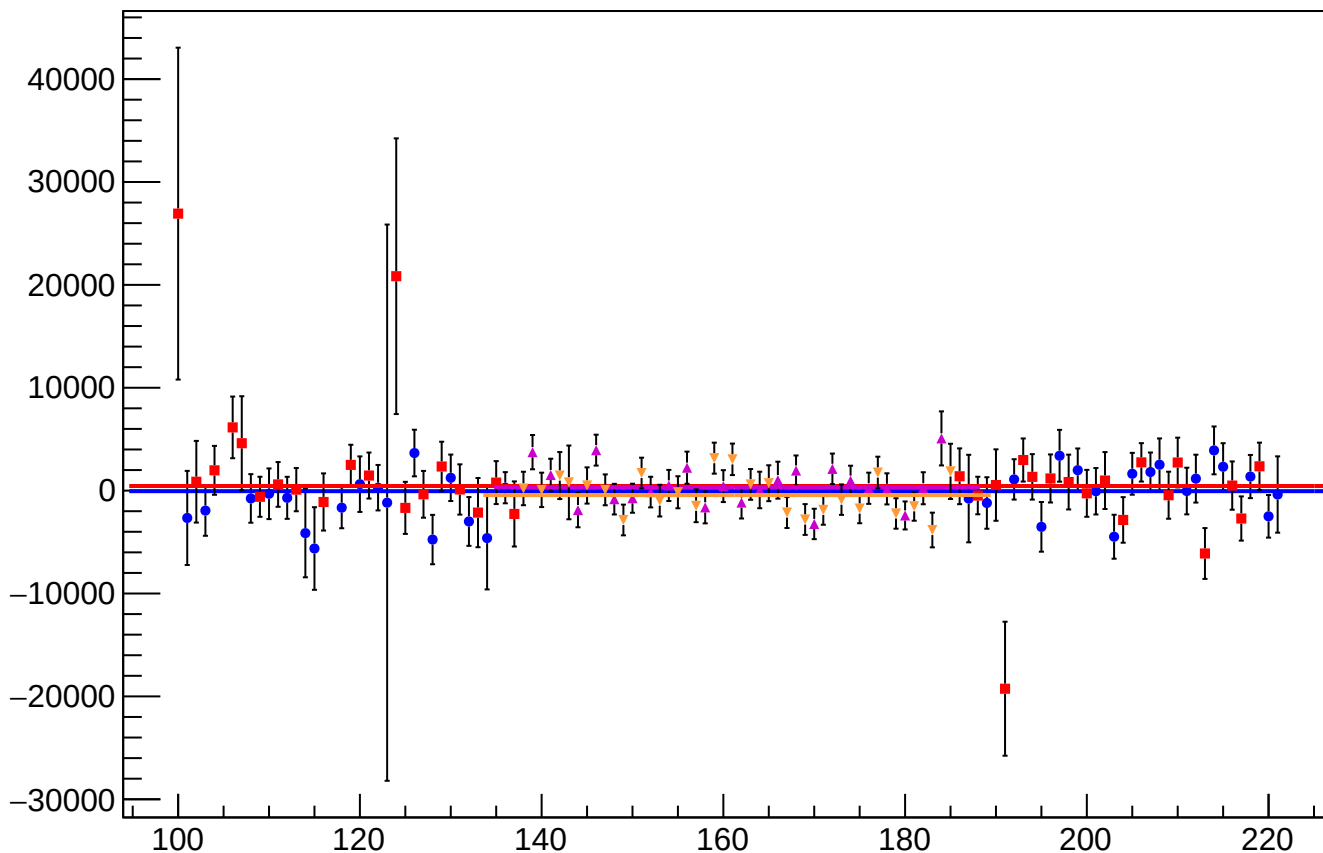
Right Out: 1385.636+/-0.283 χ^2/NDF : 764515.3/17

All: 1271.572+/-0.185 χ^2/NDF : 3434963.6/35

- 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: -51.927 ± 403.862 χ^2/NDF : 32.5/34

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 451.069 ± 407.051 χ^2/NDF : 40.7/36

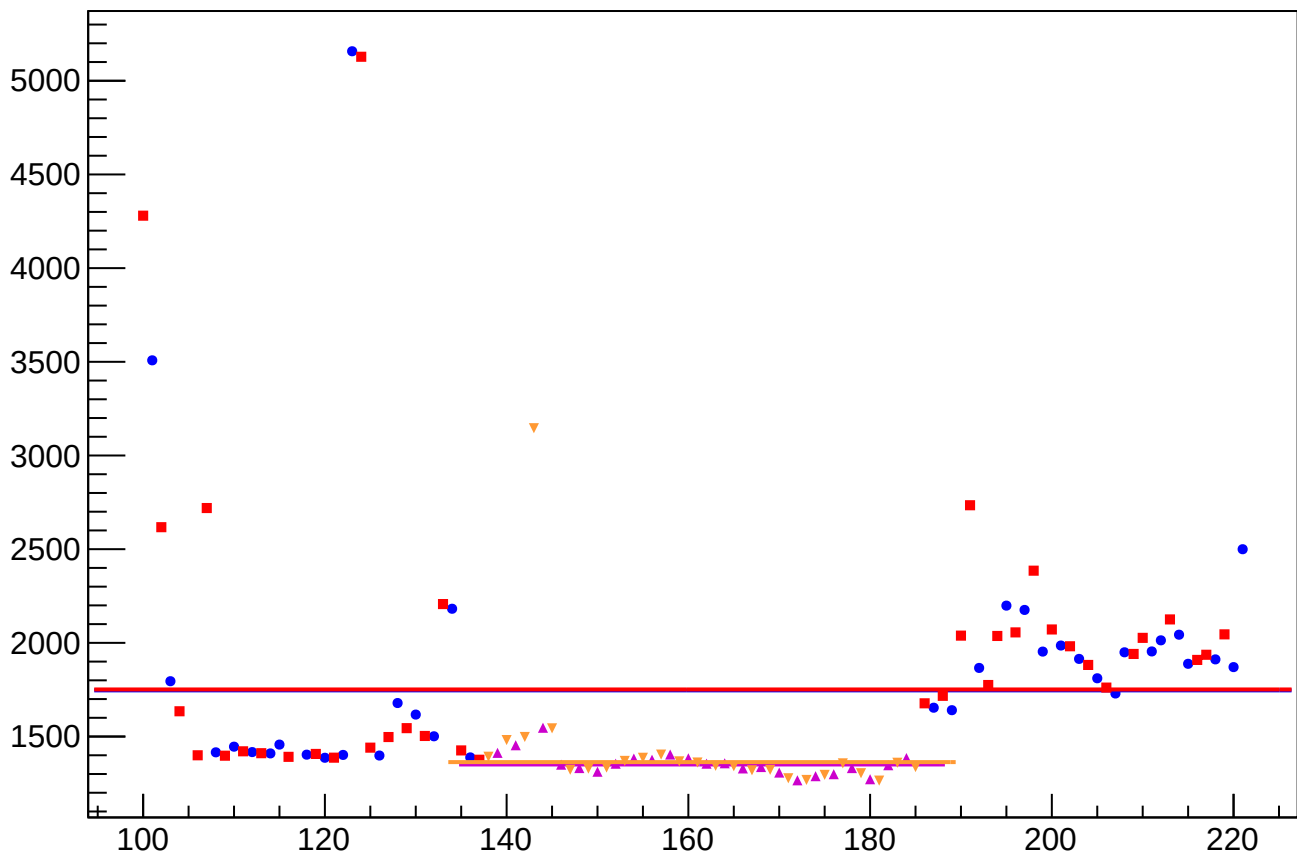
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -284.934 ± 251.071 χ^2/NDF : 66.1/59

All: 46.785 ± 178.448 χ^2/NDF : 144.1/119

- sign 385.423 ± 253.676 χ^2/NDF : 74.5/59

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1746.410+/-0.286 χ^2/NDF : 1213984.4/34

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1751.263+/-0.288 χ^2/NDF : 1354887.0/36

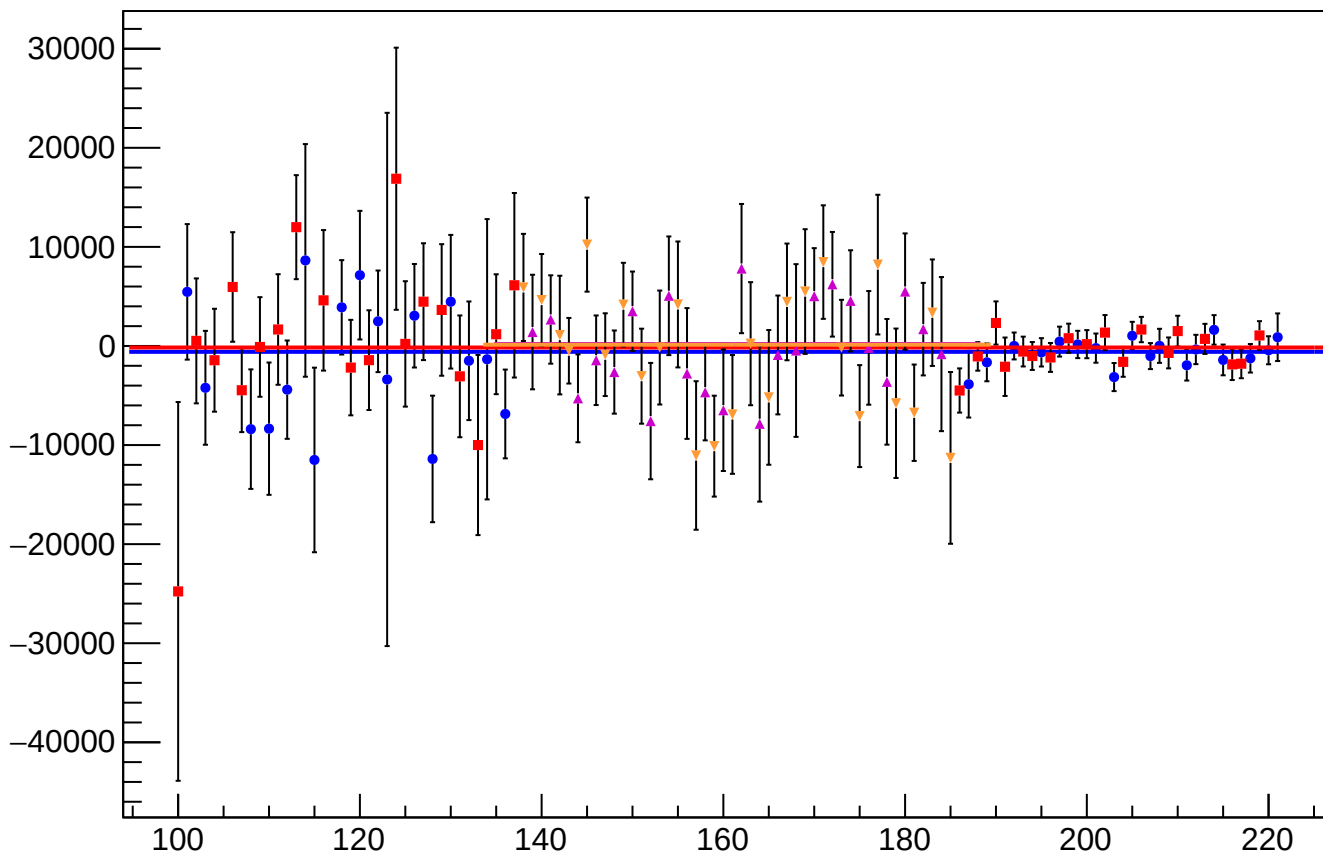
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1511.525+/-0.178 χ^2/NDF : 2891888.1/59

All: 1508.989+/-0.126 χ^2/NDF : 5497658.4/11

- sign 1506.400+/-0.179 χ^2/NDF : 2605358.0/59

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -590.544 ± 351.916 χ^2/NDF : 26.3/34

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -154.313 ± 355.975 χ^2/NDF : 30.3/36

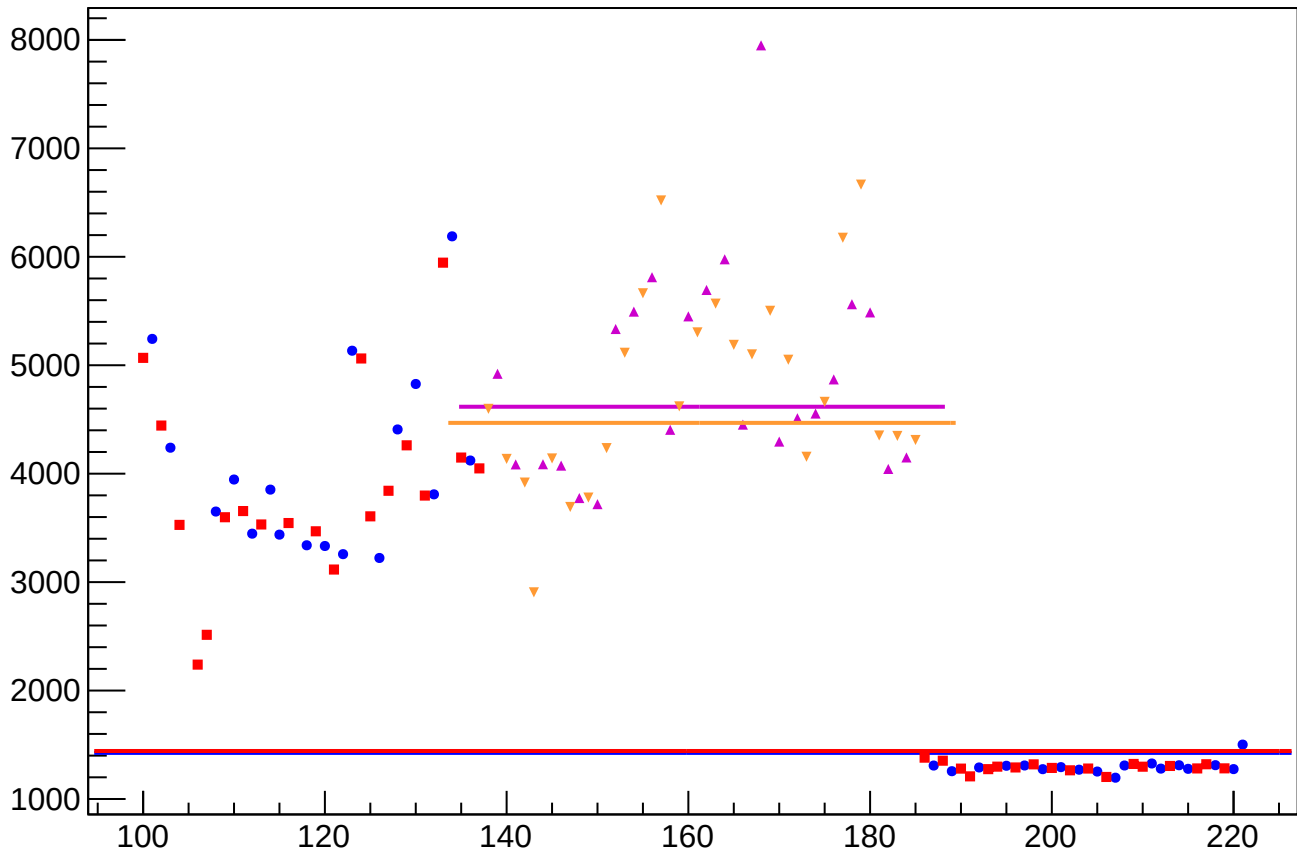
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -519.468 ± 334.162 χ^2/NDF : 54.8/59

All: -323.781 ± 238.101 χ^2/NDF : 100.7/119

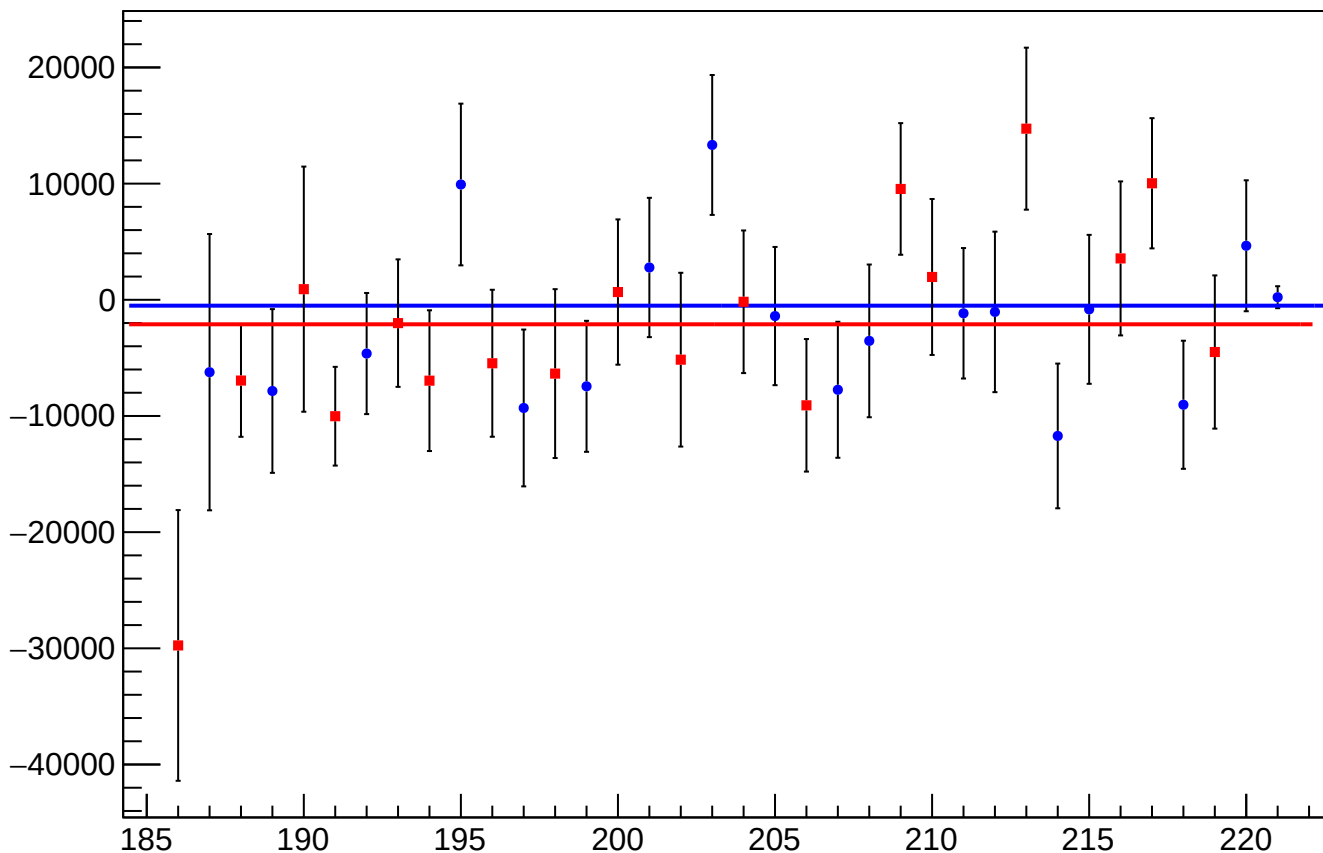
- sign -121.972 ± 339.349 χ^2/NDF : 45.1/59

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1425.244+/-0.249	χ^2/NDF : 5732639.3/34	+ sign 1724.548+/-0.236	χ^2/NDF : 21823119.4/59
Left Out: 4468.520+/-0.753	χ^2/NDF : 1380601.0/24	All: 1728.227+/-0.168	χ^2/NDF : 42889809.7/1
Right Out: 1442.718+/-0.252	χ^2/NDF : 5553591.2/36	- sign 1732.017+/-0.240	χ^2/NDF : 21066198.2/59
Left In: 4617.293+/-0.794	χ^2/NDF : 999599.8/22		

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -505.657+/-800.411 χ^2/NDF : 21.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -2108.431+/-1457.121 χ^2/NDF : 29.4/17

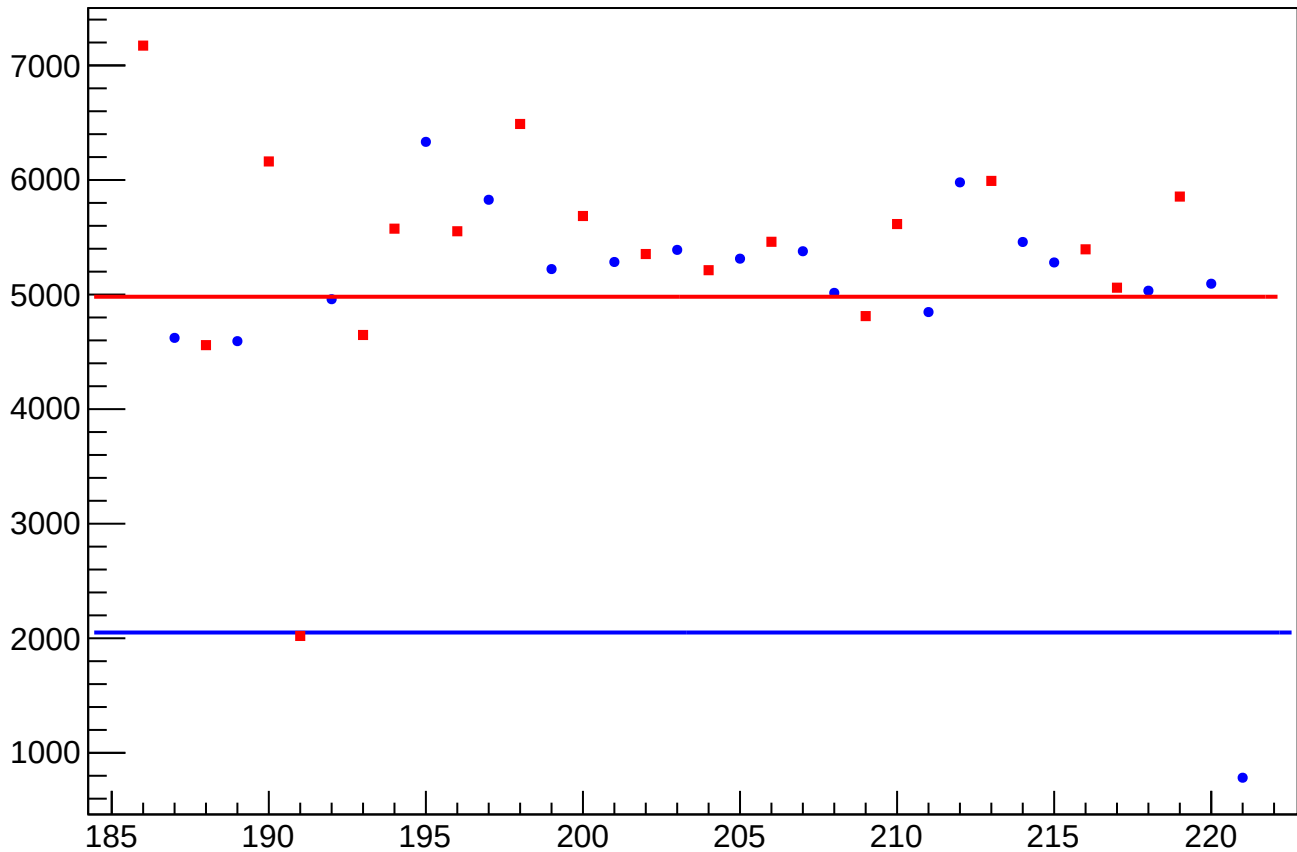
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -877.178+/-701.537 χ^2/NDF : 52.2/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 2050.321+/-0.566 χ^2/NDF : 12862178.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 4980.991+/-1.030 χ^2/NDF : 1363189.8/17

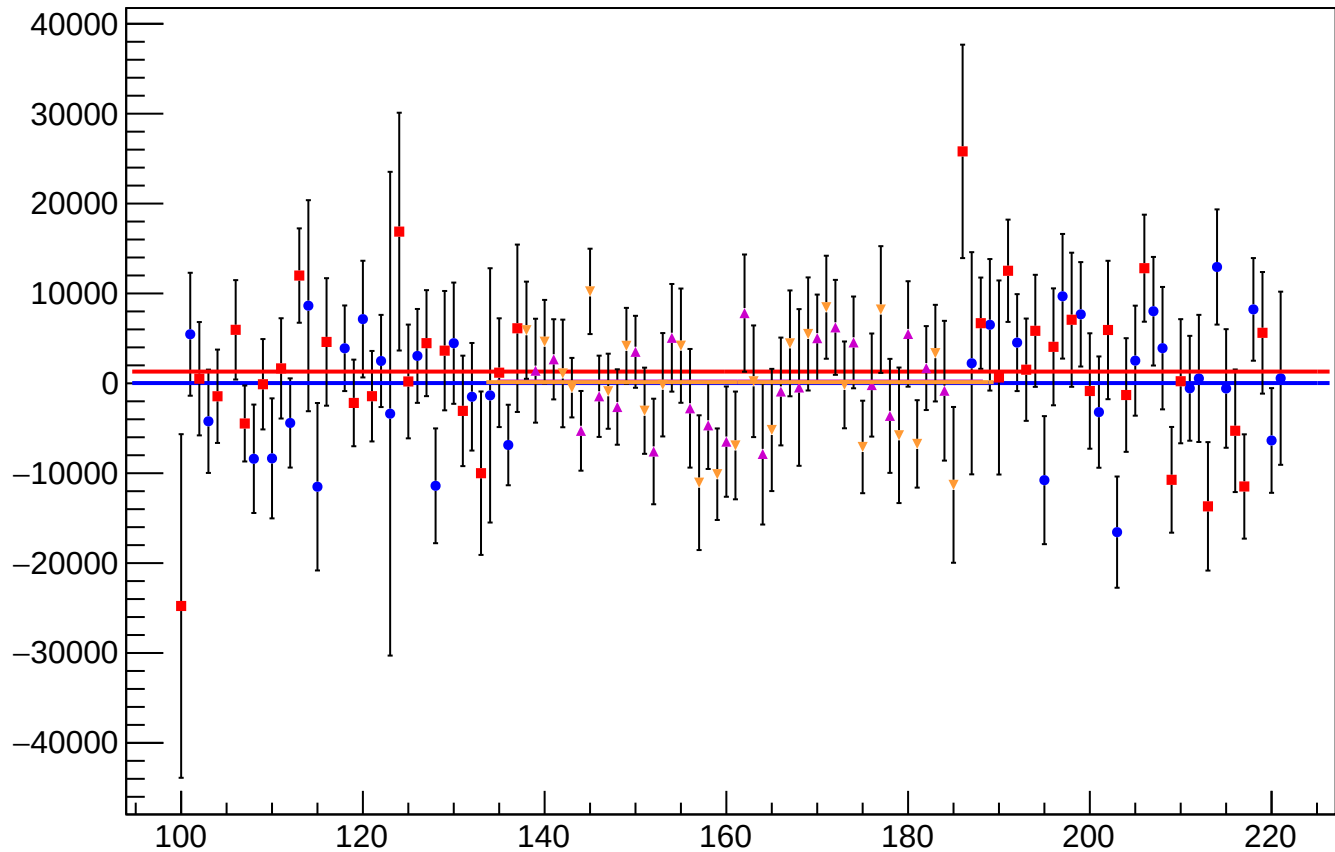
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2729.646+/-0.496 χ^2/NDF : 20440467.1/3

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: 30.214+/-1078.709 χ^2/NDF : 40.6/34

Left Out: 132.142+/-1065.543 χ^2/NDF : 28.1/24

Right Out: 1307.215+/-1029.155 χ^2/NDF : 43.9/36

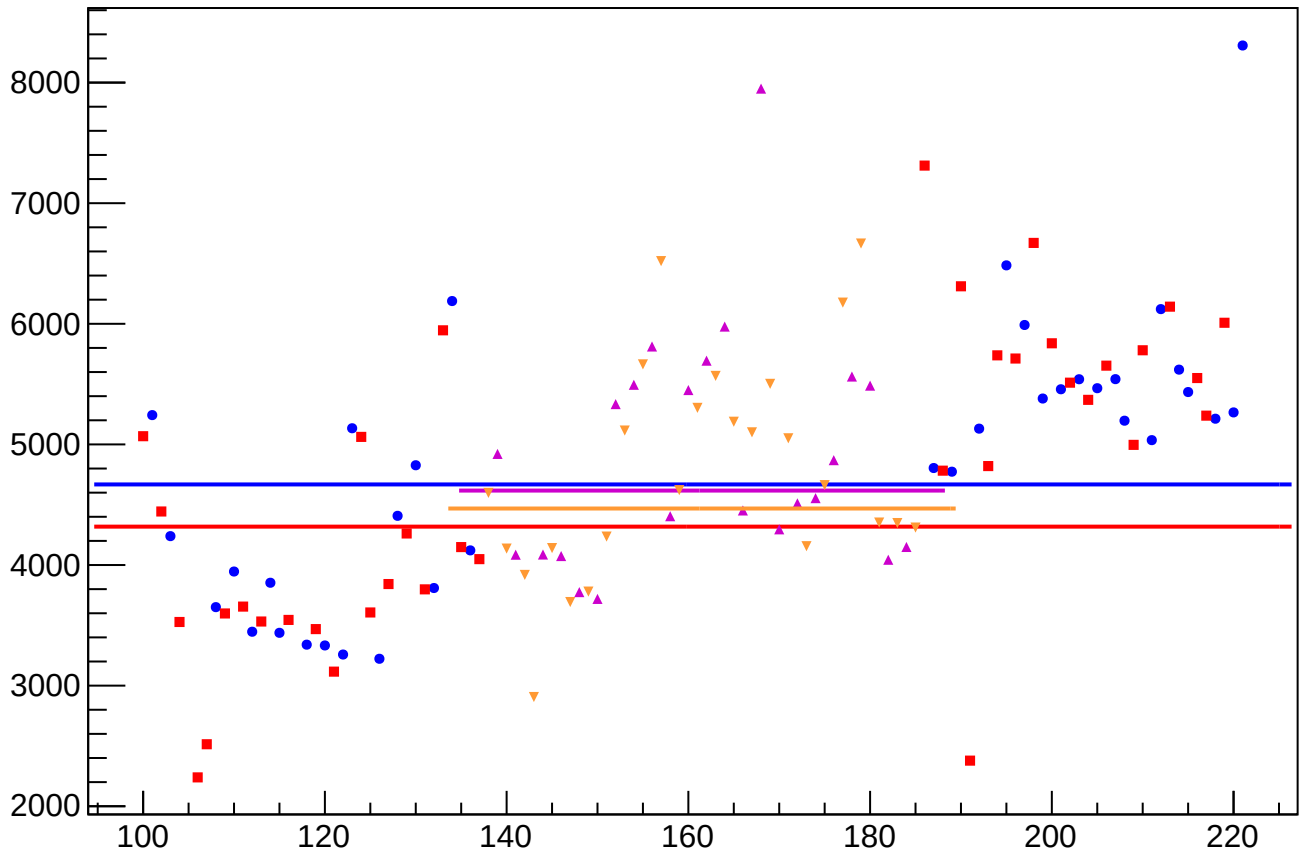
Left In: 200.182+/-1123.499 χ^2/NDF : 14.7/22

+ sign 81.804+/-758.064 χ^2/NDF : 68.7/59

All: 441.573+/-536.323 χ^2/NDF : 128.4/119

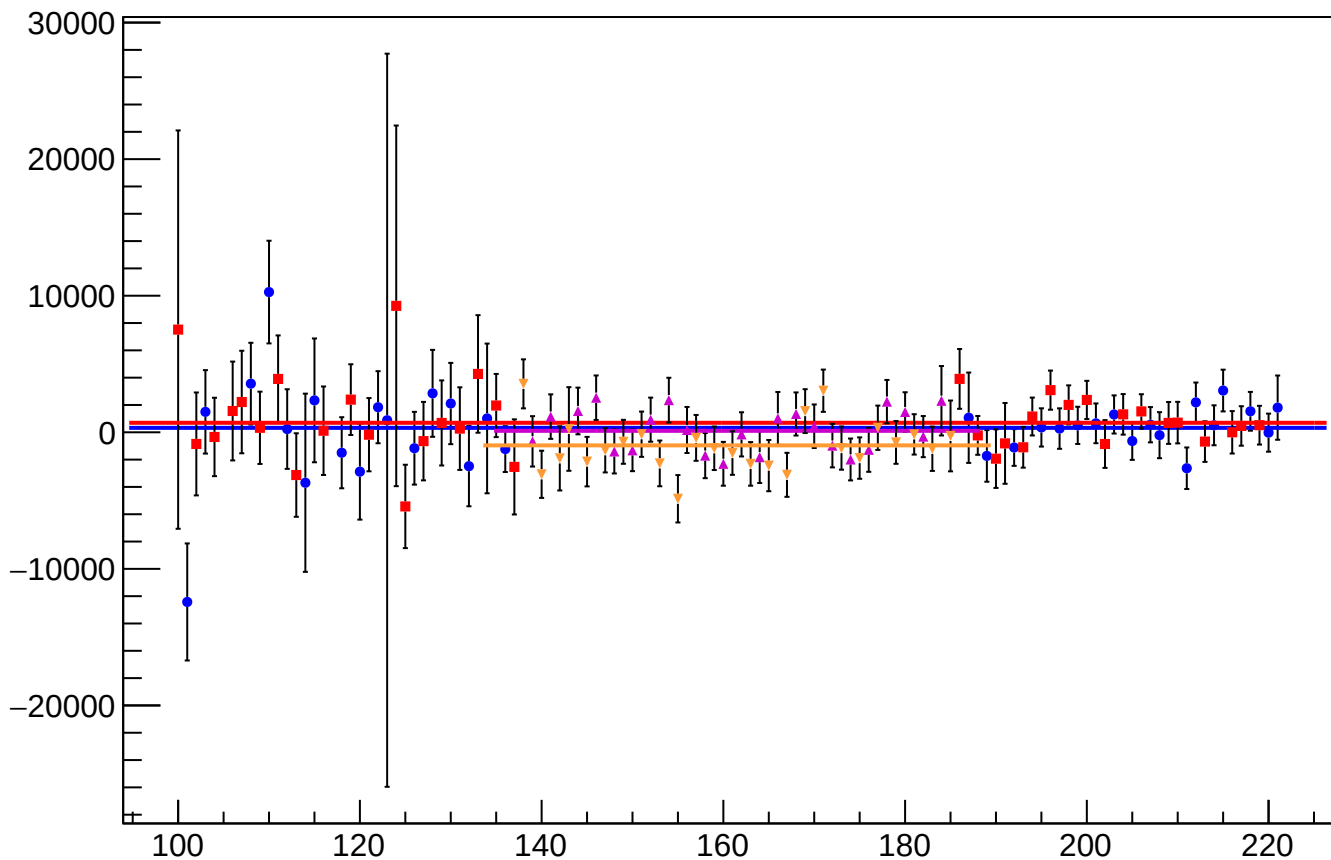
- sign 802.124+/-758.888 χ^2/NDF : 59.2/59

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4668.180+/-0.763	χ^2/NDF : 1811544.3/34	+ sign 4567.125+/-0.536	χ^2/NDF : 3226825.6/59
Left Out: 4468.520+/-0.753	χ^2/NDF : 1380601.0/24	All: 4510.446+/-0.379	χ^2/NDF : 7206029.9/11
Right Out: 4318.301+/-0.724	χ^2/NDF : 2879902.2/36	- sign 4453.959+/-0.535	χ^2/NDF : 3956880.6/59
Left In: 4617.293+/-0.794	χ^2/NDF : 999599.8/22		

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 325.497 ± 321.915 χ^2/NDF : 35.9/34

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 695.818 ± 325.305 χ^2/NDF : 23.9/36

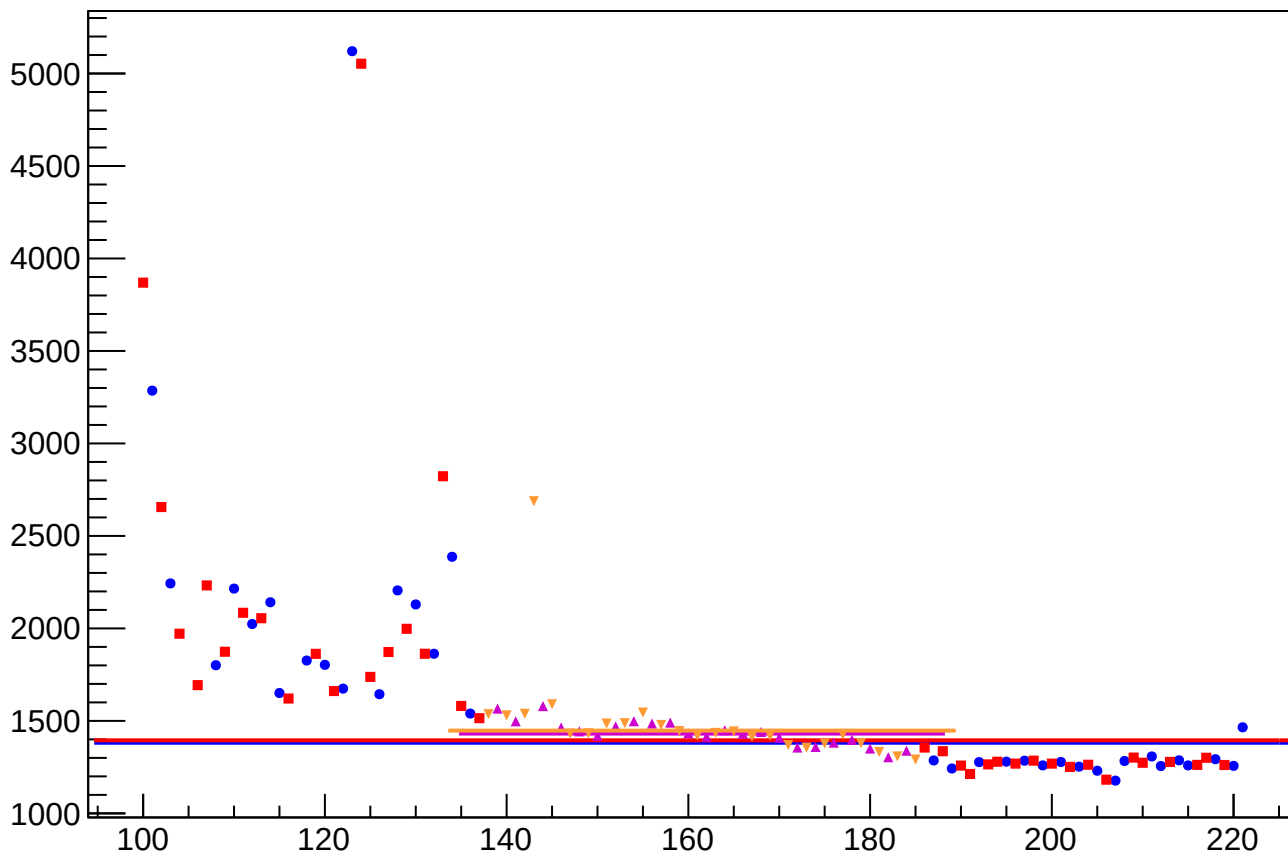
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -282.353 ± 233.597 χ^2/NDF : 71.9/59

All: 63.770 ± 166.107 χ^2/NDF : 121.3/119

- sign 417.797 ± 236.249 χ^2/NDF : 44.9/59

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1381.976 $\pm$ 0.228 χ^2 /NDF: 1627312.9/34

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1394.936 $\pm$ 0.230 χ^2 /NDF: 1667204.3/36

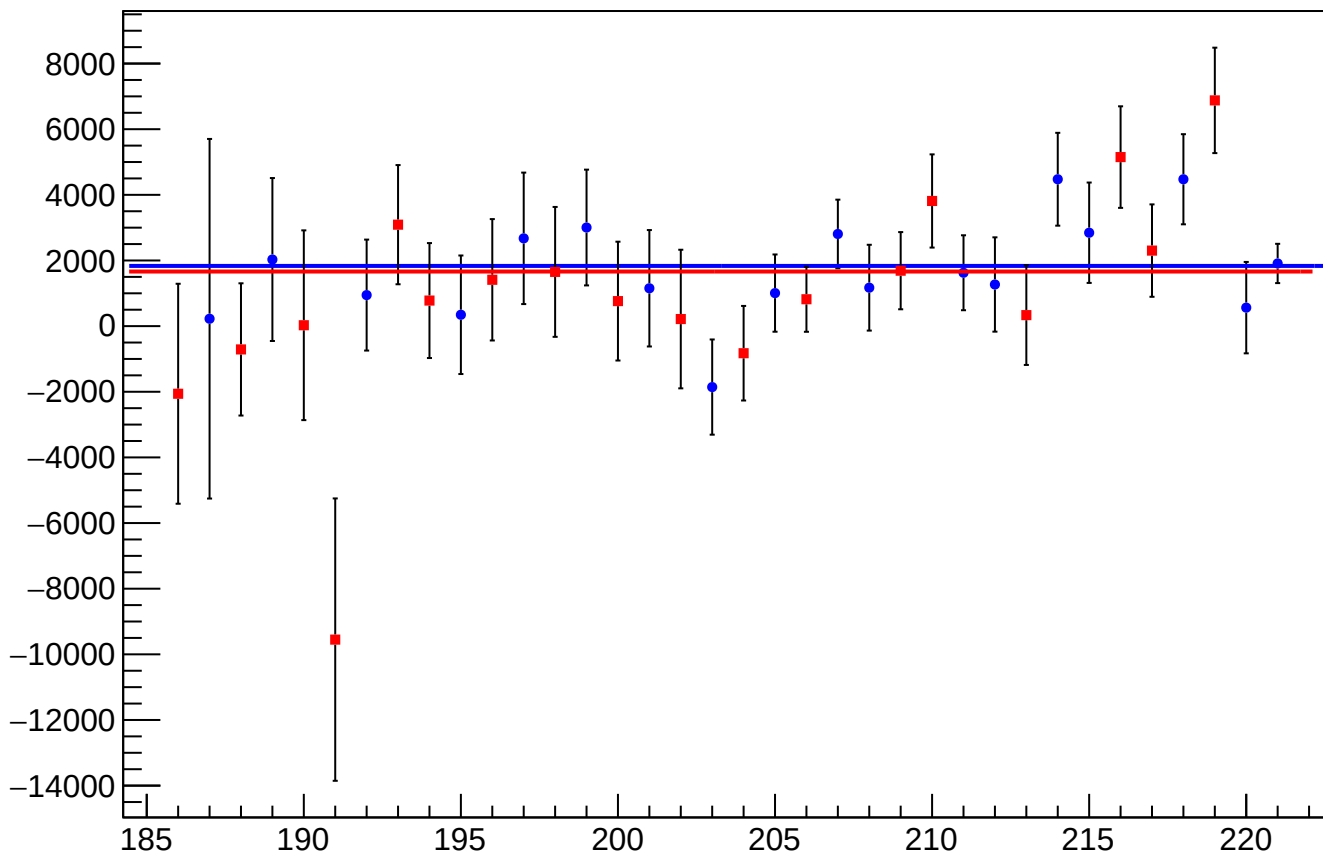
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1413.023 $\pm$ 0.165 χ^2 /NDF: 2085861.9/59

All: 1412.613 $\pm$ 0.117 χ^2 /NDF: 3840121.1/11

- sign 1412.194 $\pm$ 0.167 χ^2 /NDF: 1754246.7/59

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1834.533+/-309.258 χ^2/NDF : 18.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1663.563+/-386.983 χ^2/NDF : 33.9/17

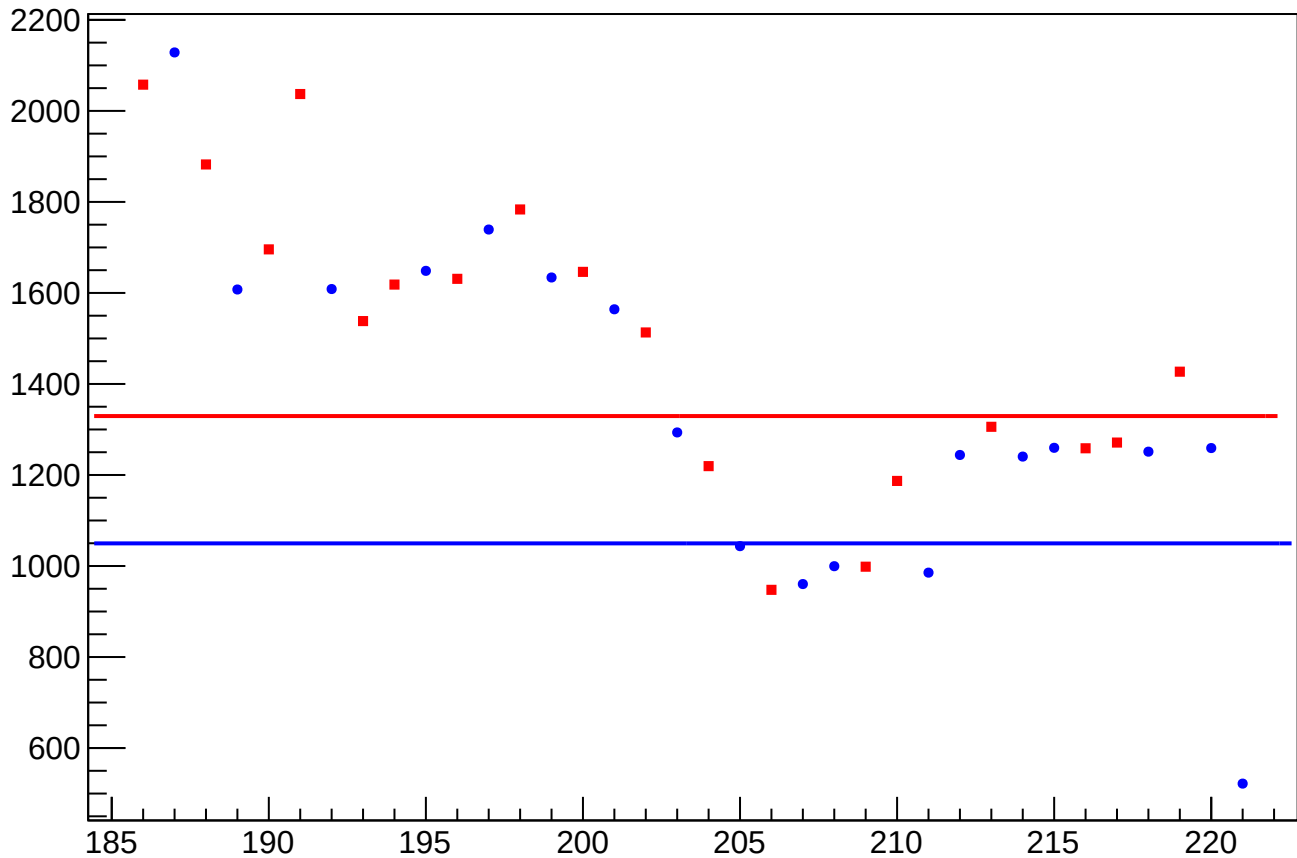
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1767.899+/-241.590 χ^2/NDF : 52.6/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1049.720+/-0.219 χ^2/NDF : 3077456.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

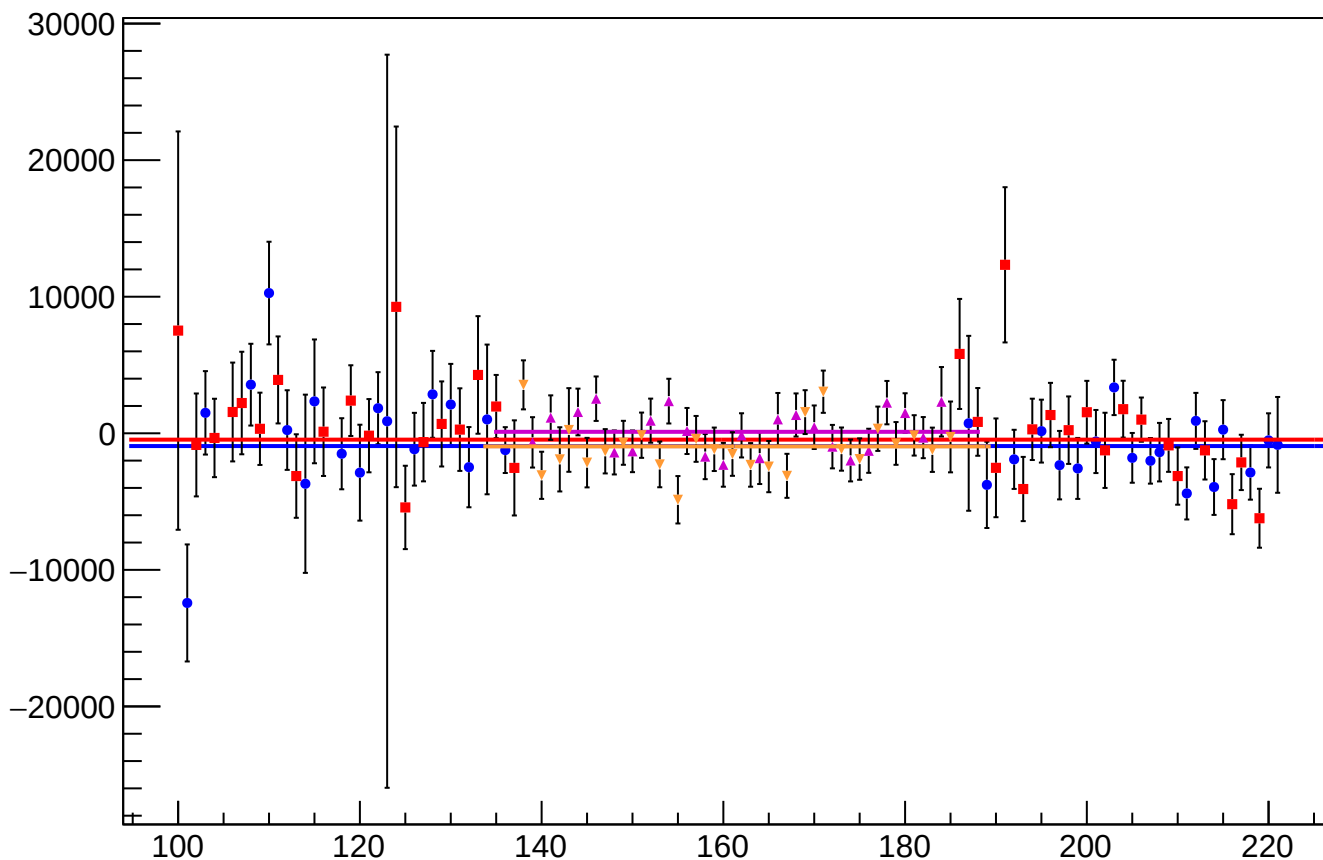
Right Out: 1329.469+/-0.274 χ^2/NDF : 1149213.0/17

All: 1158.749+/-0.171 χ^2/NDF : 4864489.1/35

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -935.026+/-425.854 χ^2/NDF : 39.1/34

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: -464.772+/-437.931 χ^2/NDF : 39.4/36

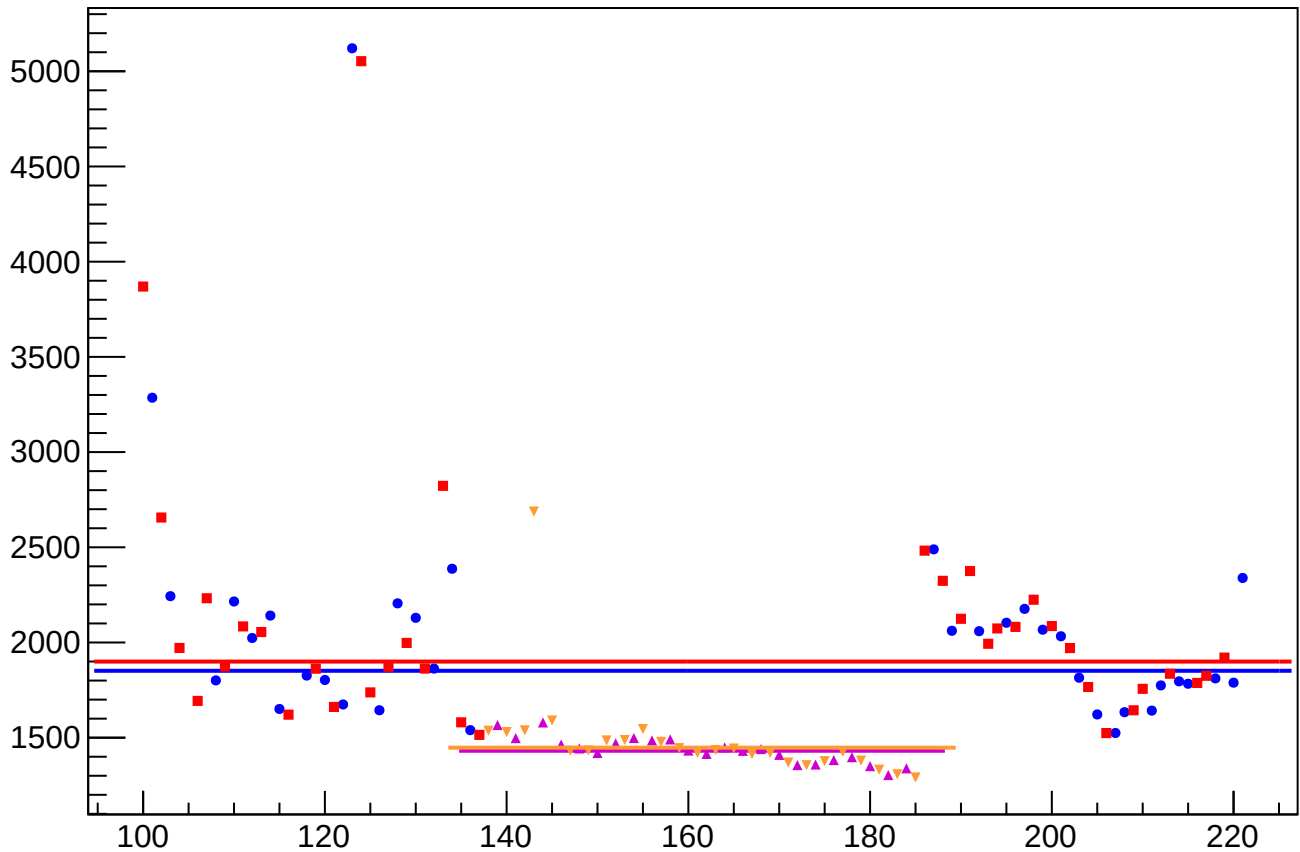
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -949.323+/-265.463 χ^2/NDF : 67.6/59

All: -537.619+/-189.417 χ^2/NDF : 132.5/119

- sign -110.596+/-270.356 χ^2/NDF : 60.0/59

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1851.420 $\pm$ 0.301 χ^2/NDF : 809693.1/34

Left Out: 1447.554 $\pm$ 0.240 χ^2/NDF : 419254.7/24

Right Out: 1899.760 $\pm$ 0.310 χ^2/NDF : 828525.4/36

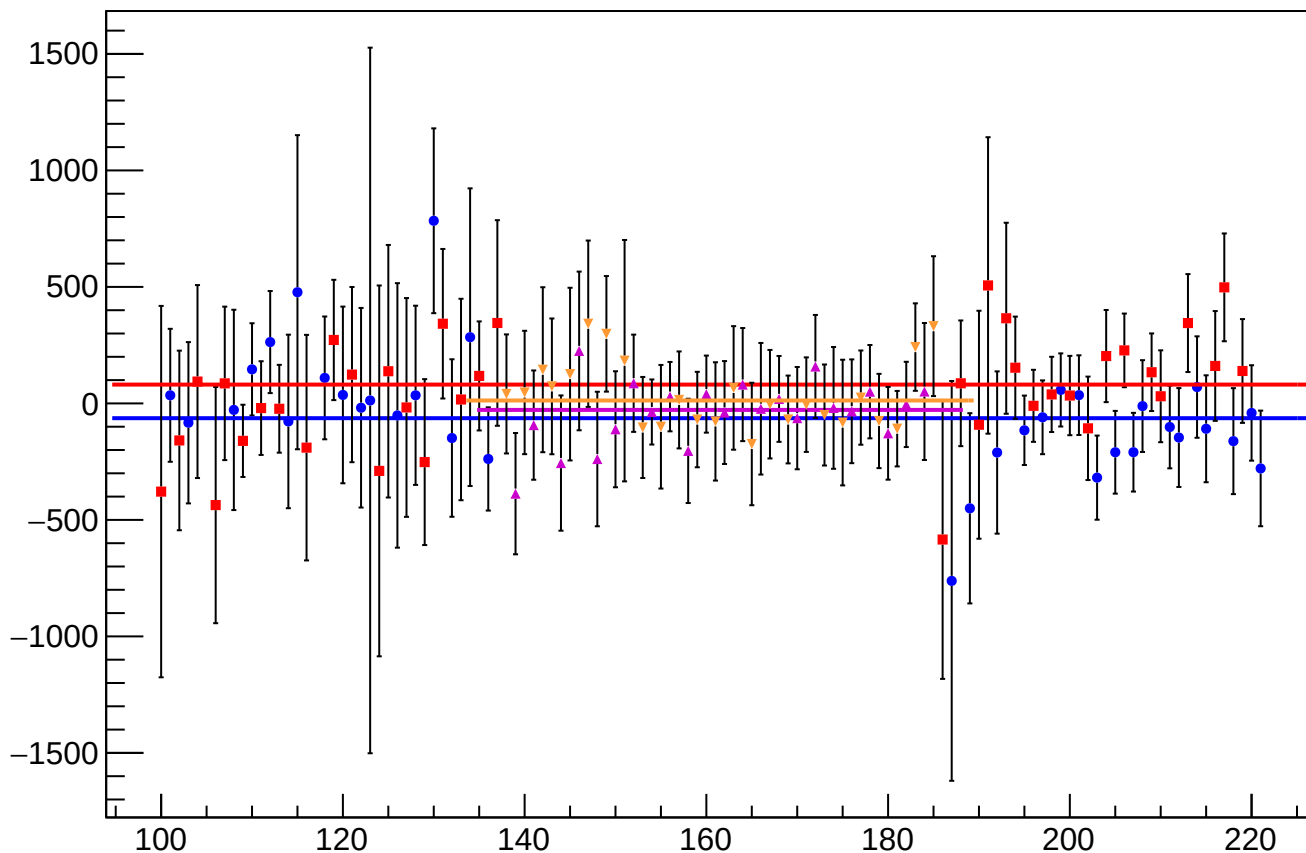
Left In: 1431.456 $\pm$ 0.243 χ^2/NDF : 75130.4/22

+ sign 1604.491 $\pm$ 0.188 χ^2/NDF : 2328763.4/59

All: 1607.164 $\pm$ 0.134 χ^2/NDF : 4648259.4/11

- sign 1609.937 $\pm$ 0.191 χ^2/NDF : 2319082.7/59

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -63.415 ± 40.526 $\chi^2/\text{NDF}: 18.1/34$

Left Out: 12.618 ± 47.486 $\chi^2/\text{NDF}: 7.7/24$

Right Out: 80.794 ± 40.971 $\chi^2/\text{NDF}: 17.9/36$

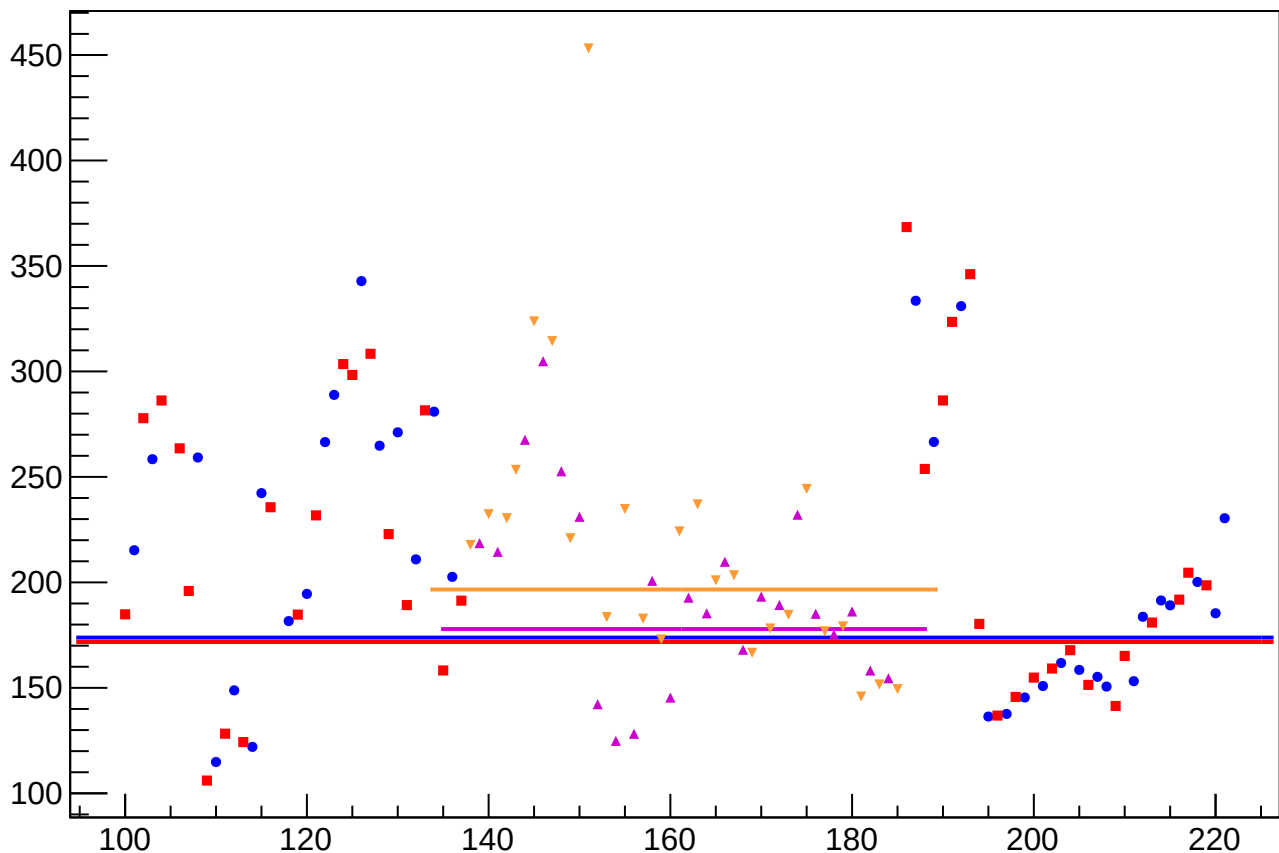
Left In: -27.921 ± 44.523 $\chi^2/\text{NDF}: 6.5/22$

+ sign -31.373 ± 30.826 $\chi^2/\text{NDF}: 27.3/59$

All: 0.479 ± 21.554 $\chi^2/\text{NDF}: 57.0/119$

- sign 30.946 ± 30.149 $\chi^2/\text{NDF}: 27.6/59$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.825 $\pm$ 0.029 χ^2 /NDF: 2318189.8/34

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF:1793507.9/24

Right Out: 171.751 $\pm$ 0.029 χ^2 /NDF: 2931118.7/36

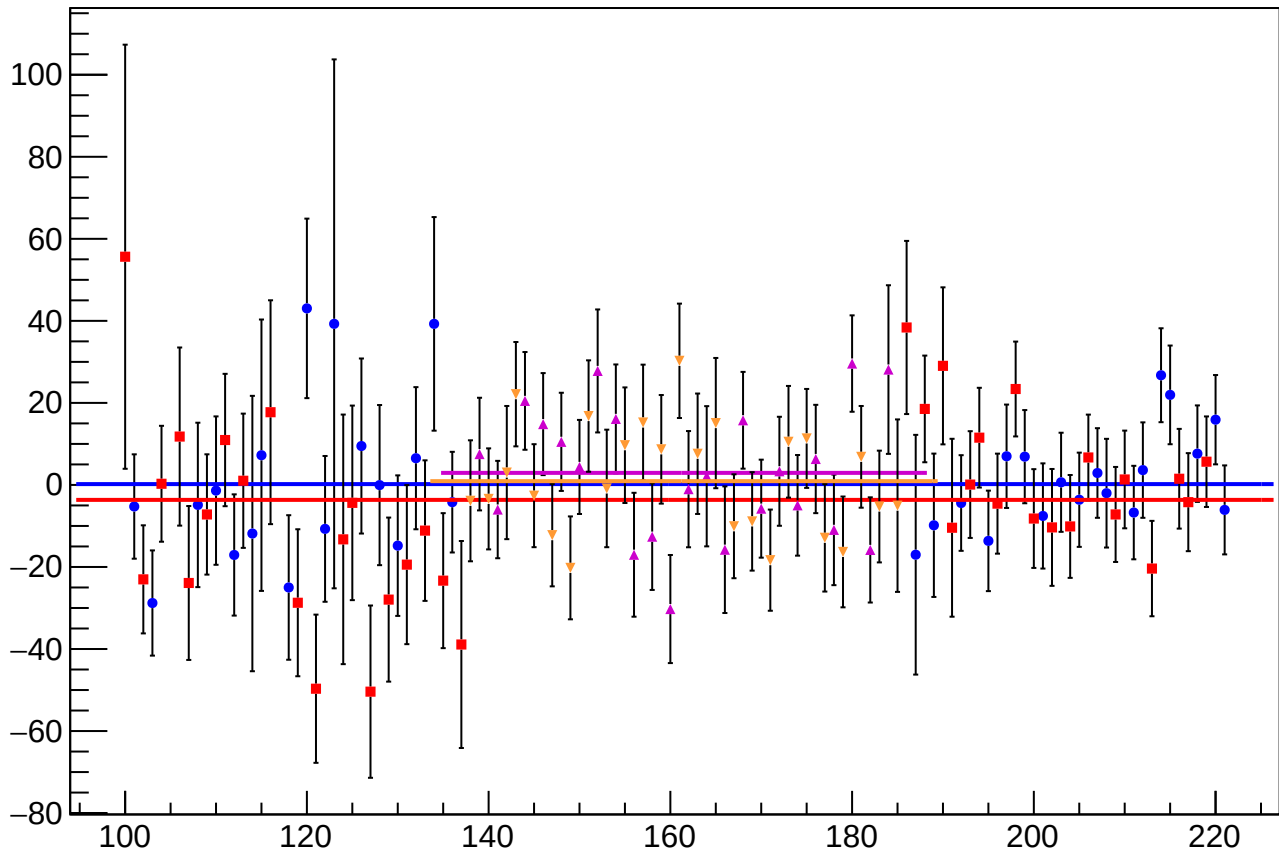
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 183.431 $\pm$ 0.022 χ^2 /NDF: 4378352.7/59

All: 178.897 $\pm$ 0.015 χ^2 /NDF: 9058716.7/119

- sign 174.560 $\pm$ 0.021 χ^2 /NDF: 4595714.4/59

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: 0.203 ± 2.401 χ^2/NDF : 32.2/34

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -3.643 ± 2.455 χ^2/NDF : 47.9/36

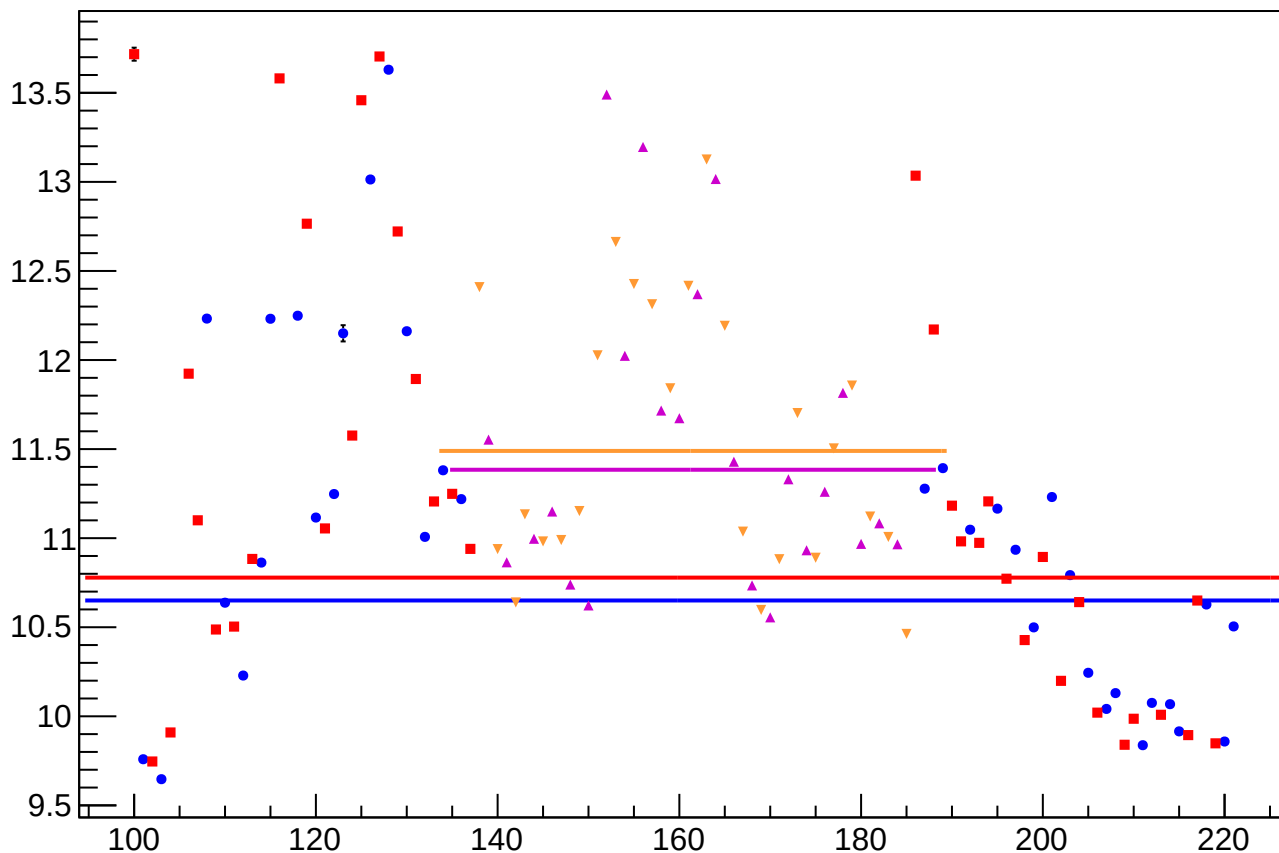
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign 0.520 ± 1.793 χ^2/NDF : 56.3/59

All: -0.086 ± 1.281 χ^2/NDF : 138.6/119

- 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: 10.650 $\pm$ 0.002 χ^2 /NDF: 221502.6/34

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

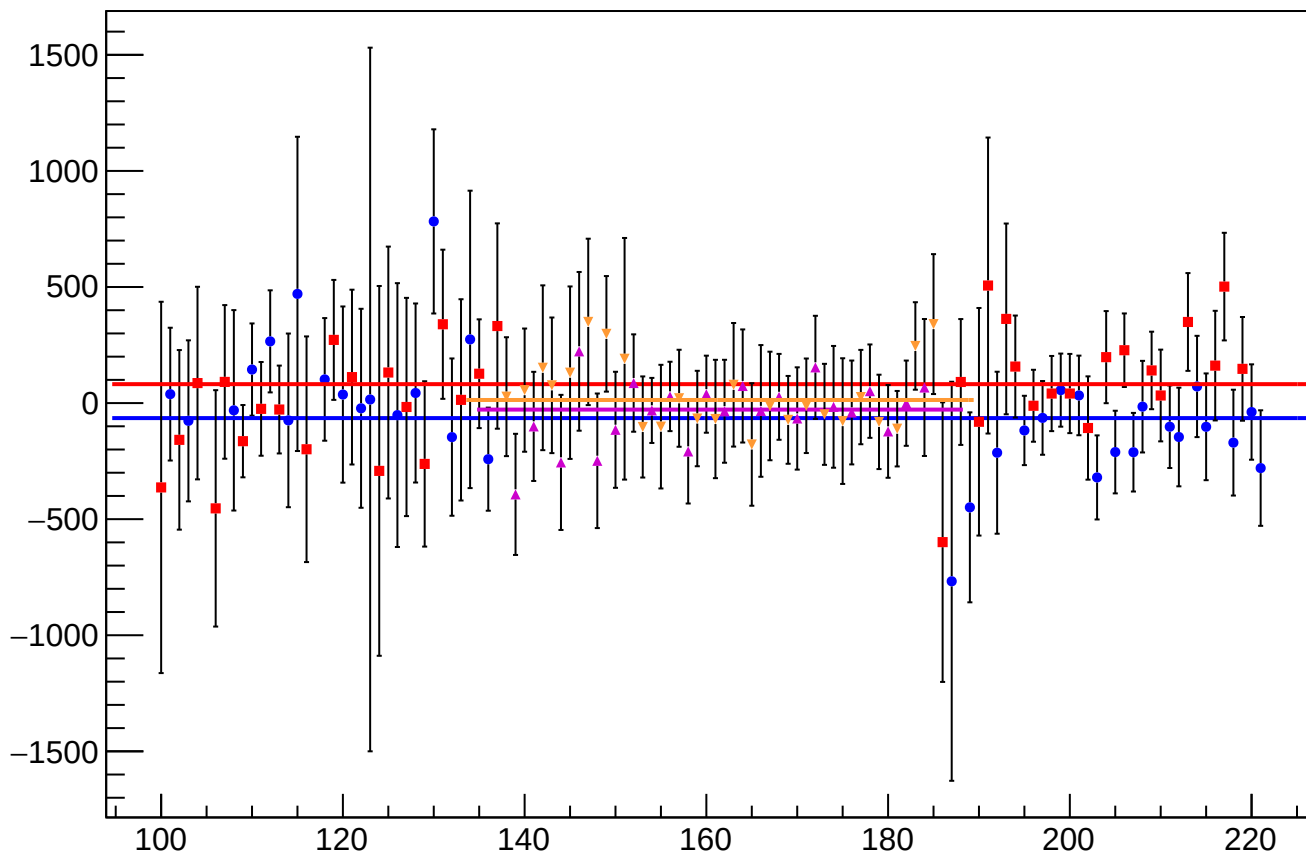
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.022 $\pm$ 0.001 χ^2 /NDF: 462065.9/59

All: 11.034 $\pm$ 0.001 χ^2 /NDF: 962043.7/119

- 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: -64.676 ± 40.625 χ^2/NDF : 18.1/34

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 81.555 ± 41.077 χ^2/NDF : 18.1/36

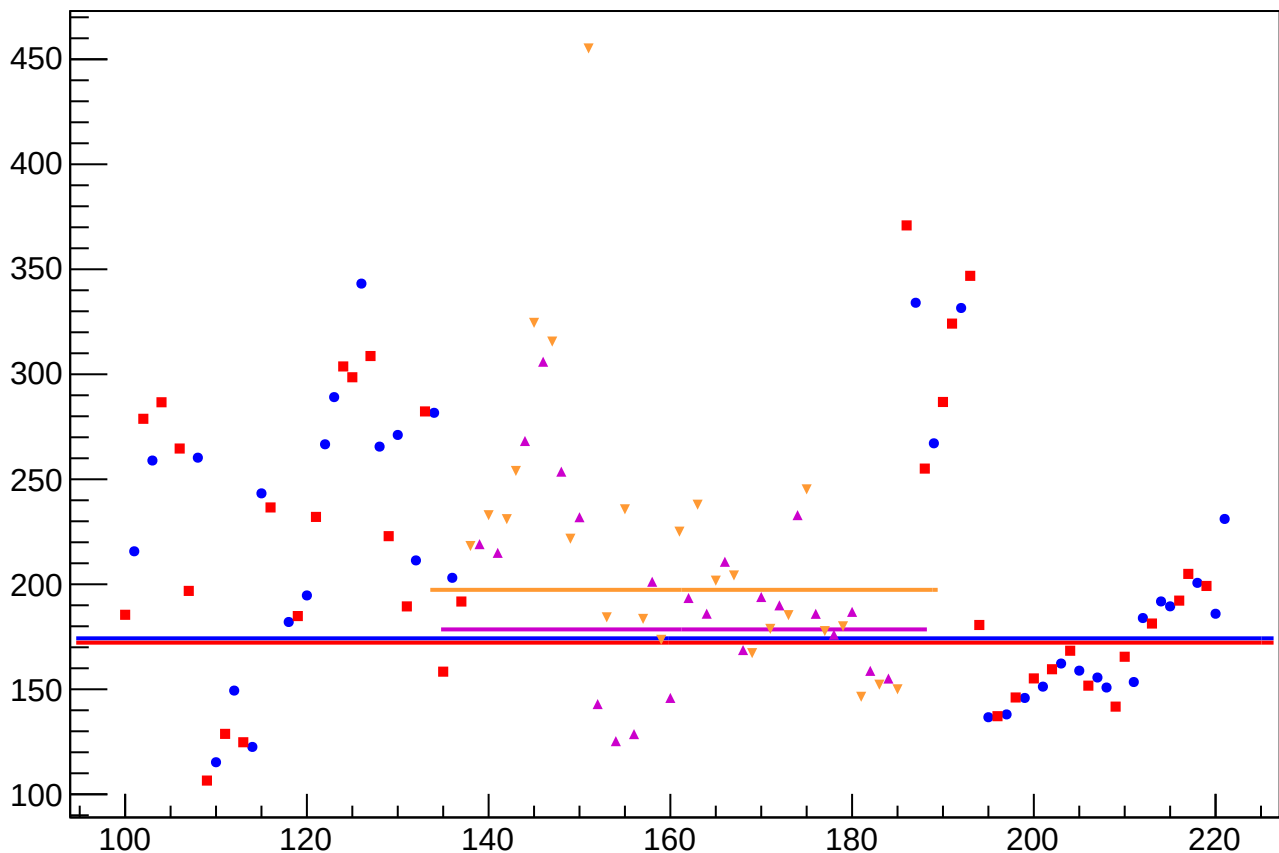
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign -31.854 ± 30.918 χ^2/NDF : 27.5/59

All: 0.449 ± 21.619 χ^2/NDF : 57.6/119

- sign 31.351 ± 30.240 χ^2/NDF : 28.0/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 174.260 $\pm$ 0.029 χ^2 /NDF: 2313618.6/34

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

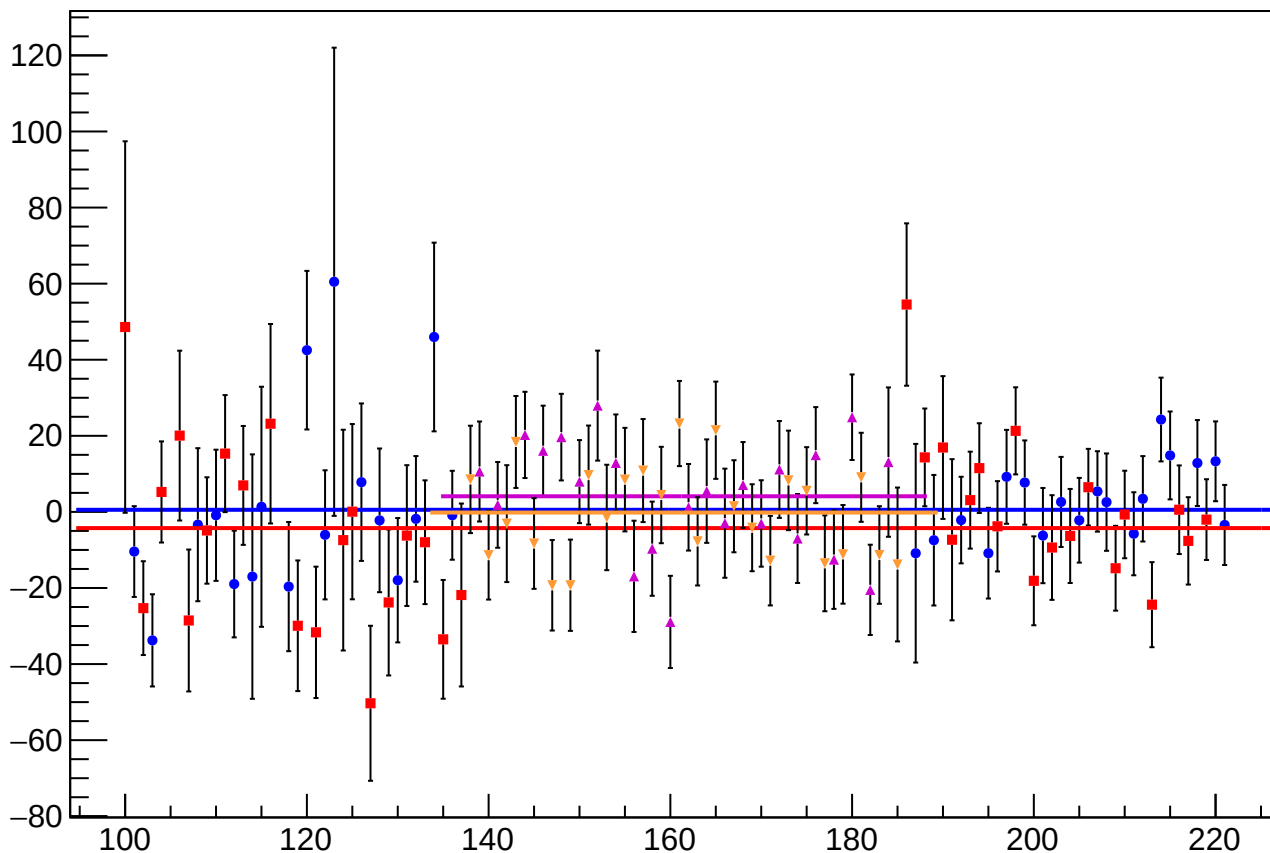
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

+ sign 183.978 $\pm$ 0.022 χ^2 /NDF: 4376437.3/59

All: 179.437 $\pm$ 0.015 χ^2 /NDF: 9052100.5/119

- 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: 0.554 $\pm$ 2.316 χ^2/NDF : 34.8/34

Left Out: -0.170 $\pm$ 2.520 χ^2/NDF : 24.4/24

Right Out: -4.258 $\pm$ 2.372 χ^2/NDF : 51.1/36

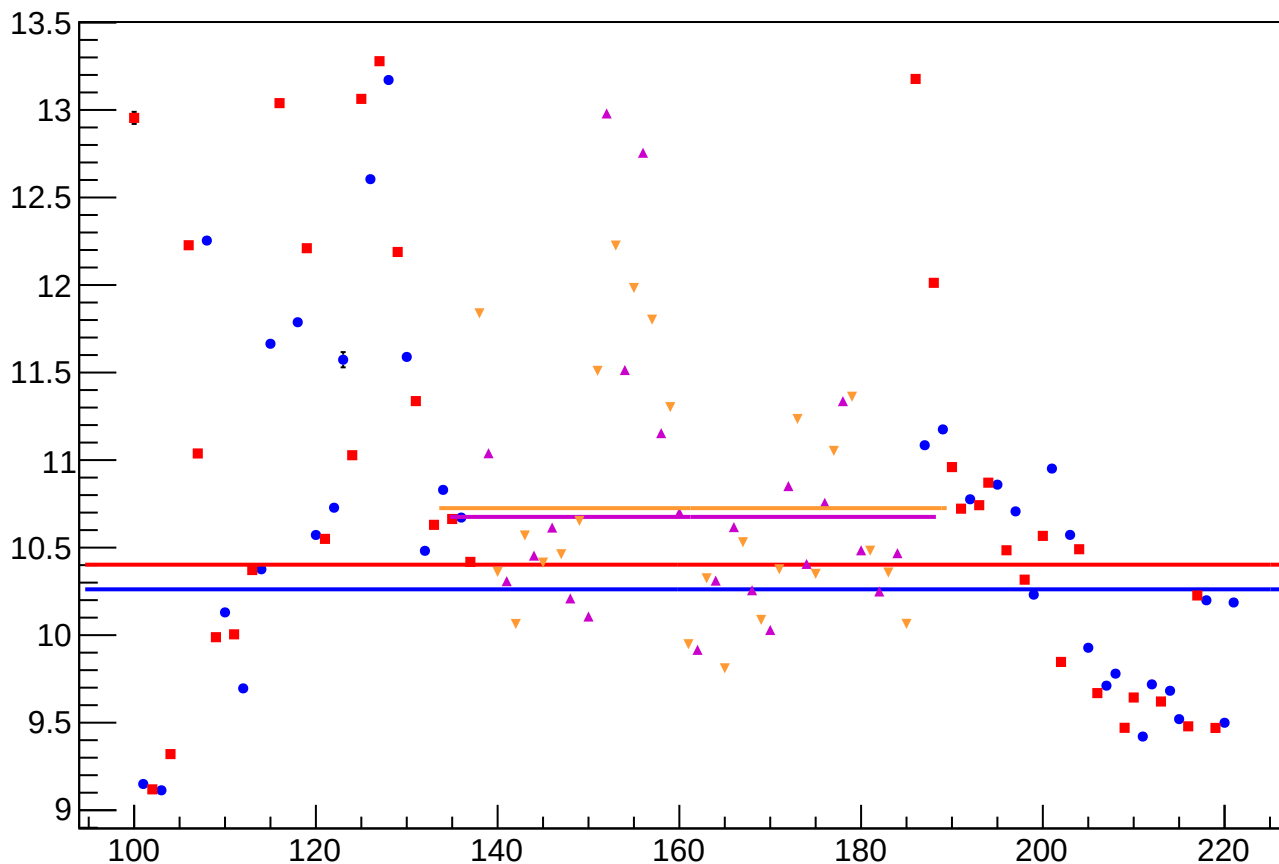
Left In: 4.107 $\pm$ 2.577 χ^2/NDF : 31.5/22

+ sign 0.223 $\pm$ 1.705 χ^2/NDF : 59.2/59

All: -0.092 $\pm$ 1.220 χ^2/NDF : 147.6/119

- sign -0.422 $\pm$ 1.745 χ^2/NDF : 88.3/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.262 $\pm$ 0.002 χ^2 /NDF: 249053.6/34

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

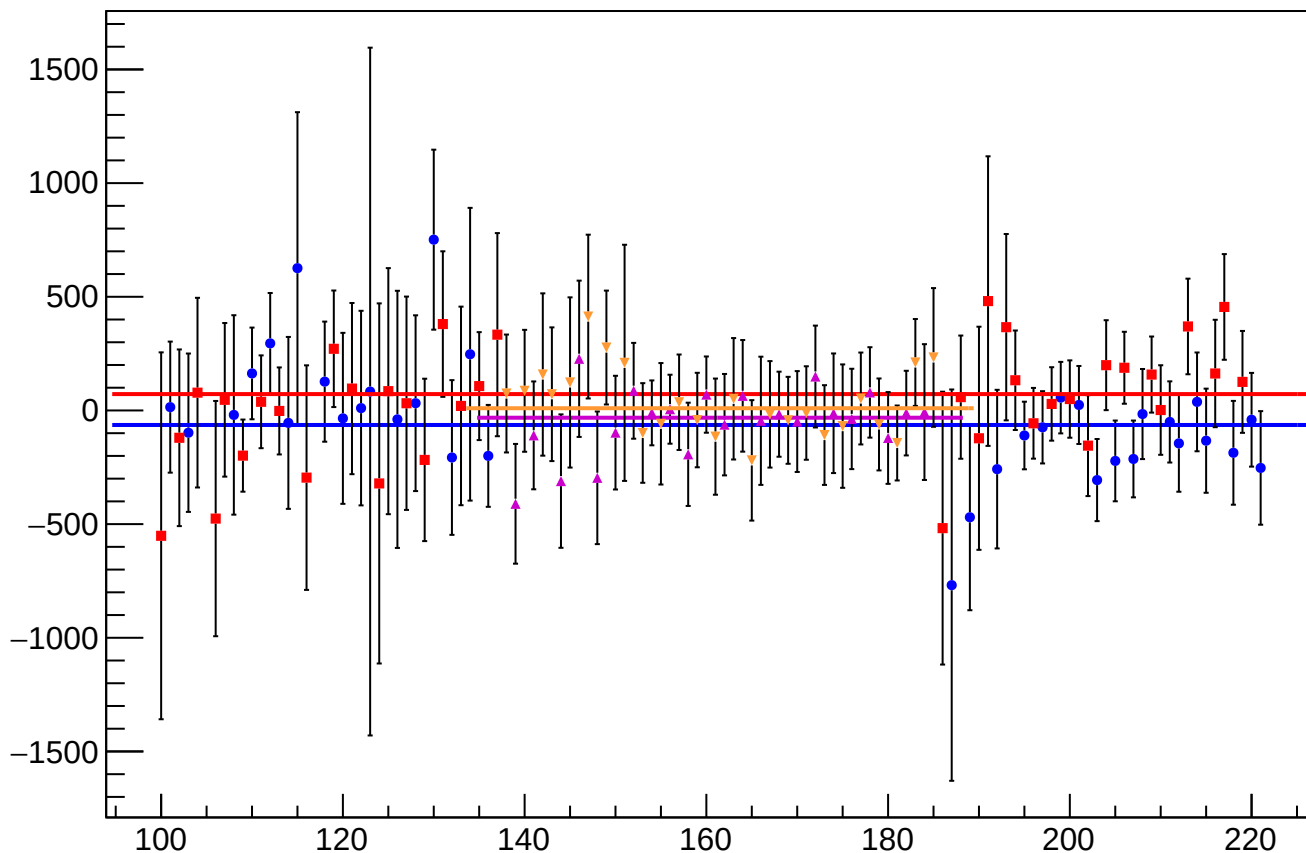
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.474 $\pm$ 0.001 χ^2 /NDF: 417942.5/59

All: 10.500 $\pm$ 0.001 χ^2 /NDF: 917045.8/119

- 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: -63.889 ± 40.689 χ^2/NDF : 18.3/34

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 71.977 ± 41.196 χ^2/NDF : 18.6/36

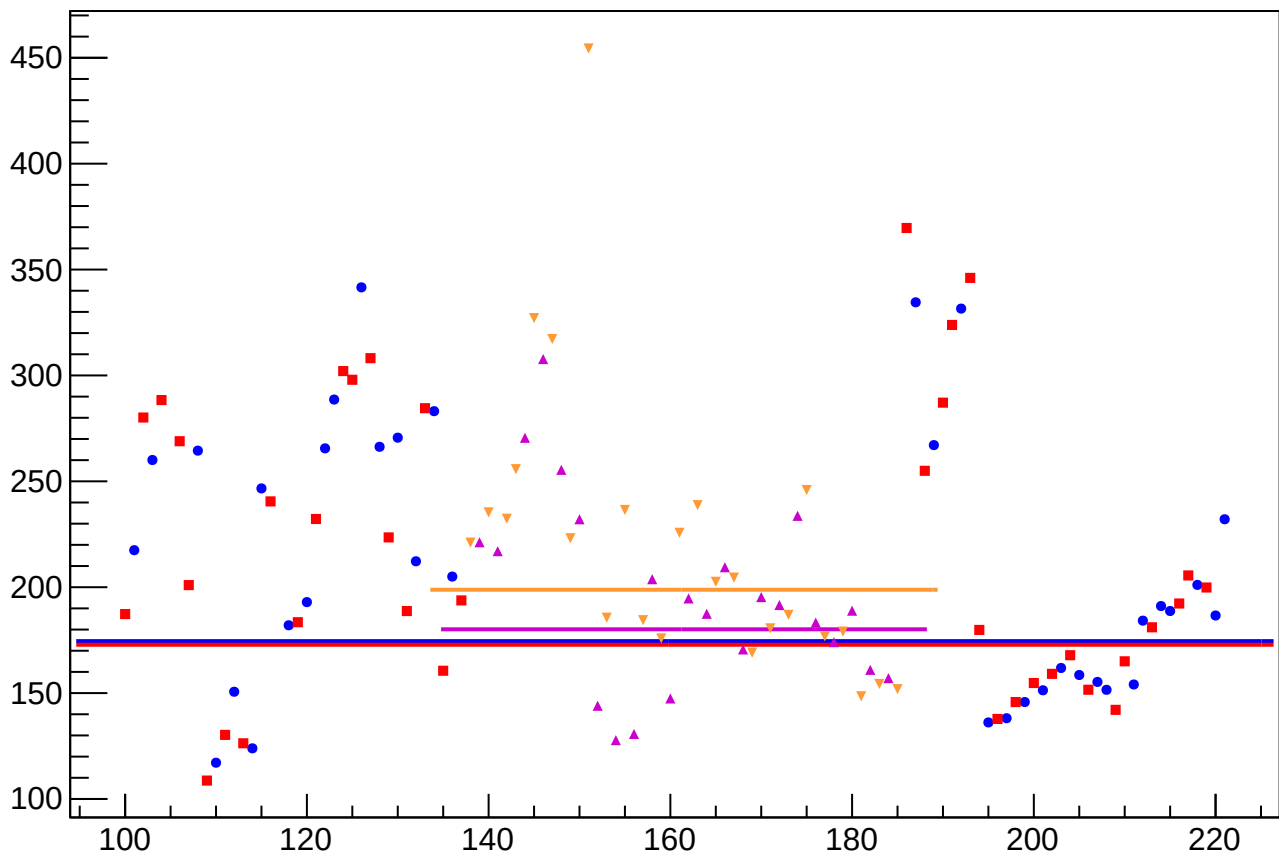
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -33.061 ± 31.032 χ^2/NDF : 27.2/59

All: -3.626 ± 21.715 χ^2/NDF : 57.7/119

- 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: 174.541 $\pm$ 0.029 χ^2 /NDF: 2311462.1/34

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

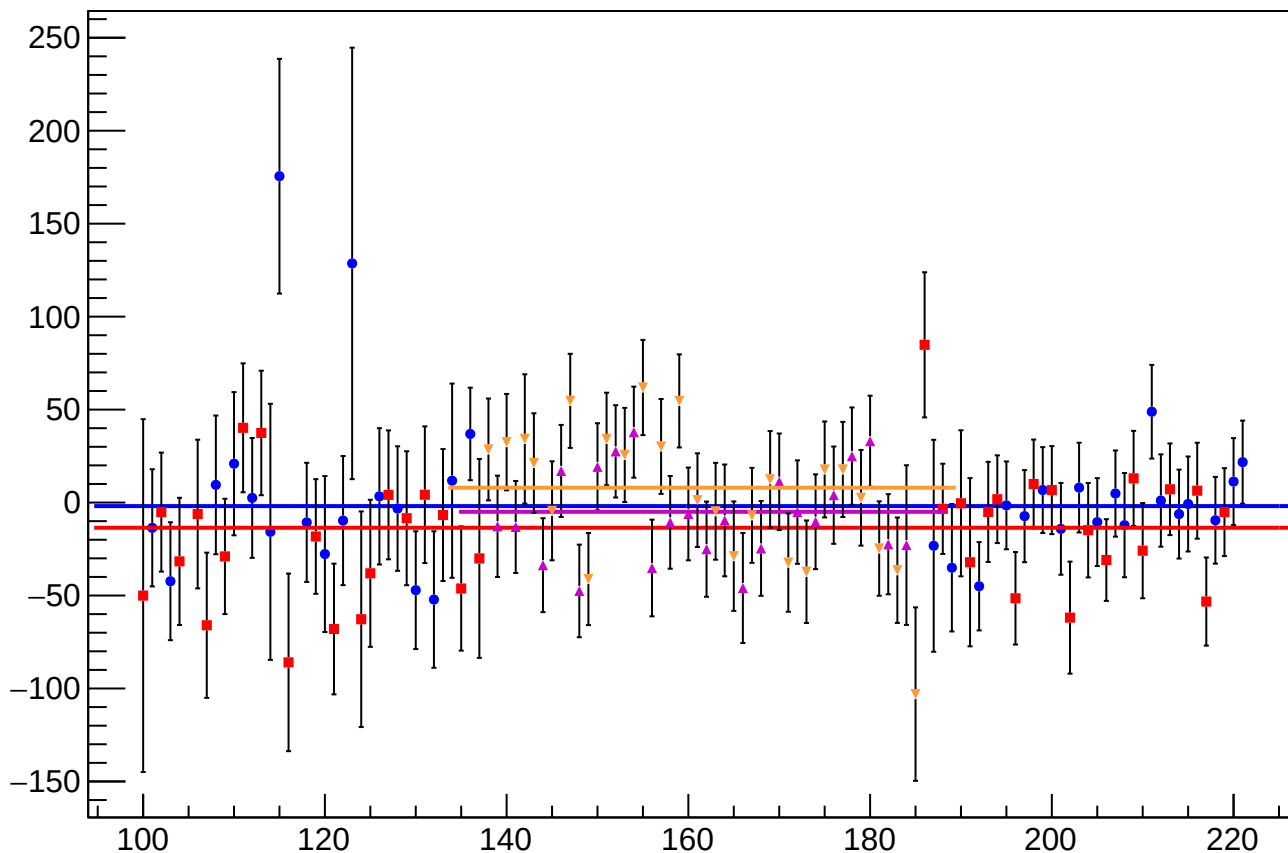
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF: 1593842.6/22

+ sign 184.690 $\pm$ 0.022 χ^2 /NDF: 4371990.9/59

All: 180.333 $\pm$ 0.015 χ^2 /NDF: 8956762.3/119

- 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: -1.901 ± 4.922 χ^2/NDF : 29.3/34

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -13.550 ± 5.005 χ^2/NDF : 34.8/36

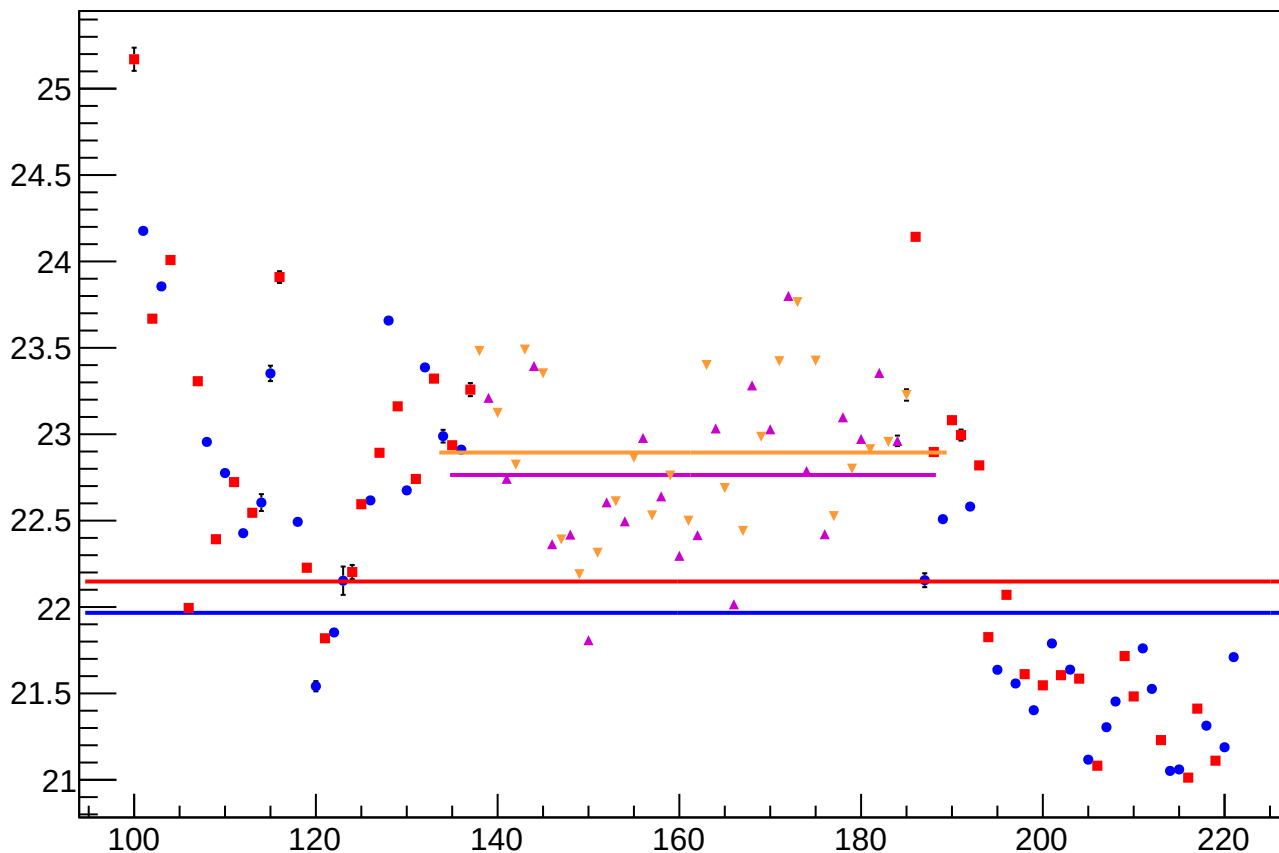
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 2.654 ± 3.615 χ^2/NDF : 68.6/59

All: -3.367 ± 2.580 χ^2/NDF : 130.9/119

- sign -9.621 ± 3.685 χ^2/NDF : 56.6/59

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.966 $\pm$ 0.003 χ^2 /NDF: 54526.1/34

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.148 $\pm$ 0.004 χ^2 /NDF: 59143.7/36

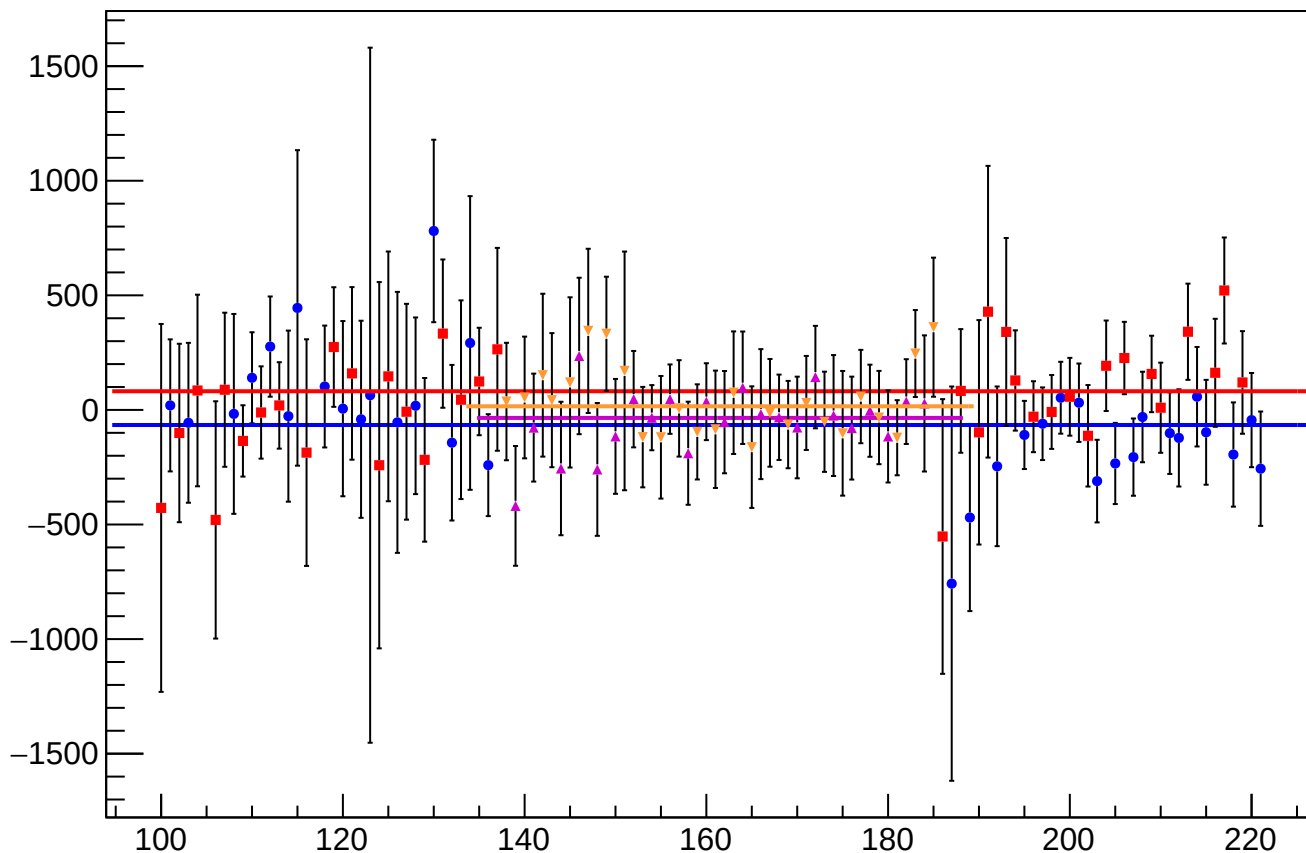
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.394 $\pm$ 0.003 χ^2 /NDF: 100313.8/59

All: 22.412 $\pm$ 0.002 χ^2 /NDF: 188123.8/119

- sign 22.430 $\pm$ 0.003 χ^2 /NDF: 87710.3/59

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -65.803 ± 40.575 $\chi^2/\text{NDF}: 17.9/34$

Left Out: 15.904 ± 47.898 $\chi^2/\text{NDF}: 8.4/24$

Right Out: 81.489 ± 41.028 $\chi^2/\text{NDF}: 17.1/36$

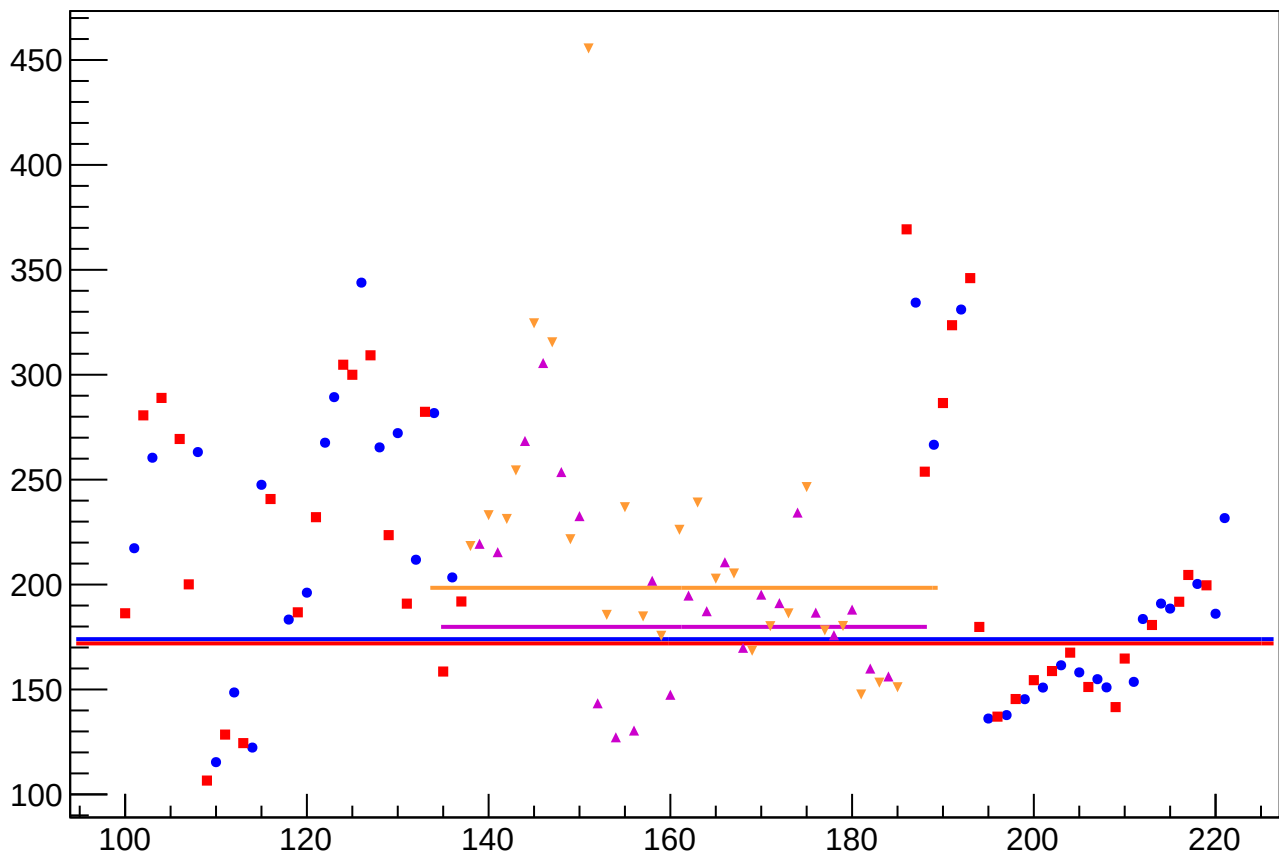
Left In: -34.919 ± 44.971 $\chi^2/\text{NDF}: 6.6/22$

+ sign -31.667 ± 30.960 $\chi^2/\text{NDF}: 28.0/59$

All: -0.888 ± 21.658 $\chi^2/\text{NDF}: 57.3/119$

- sign 28.610 ± 30.310 $\chi^2/\text{NDF}: 27.3/59$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.985 $\pm$ 0.029 χ^2/NDF : 2343531.5/34

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

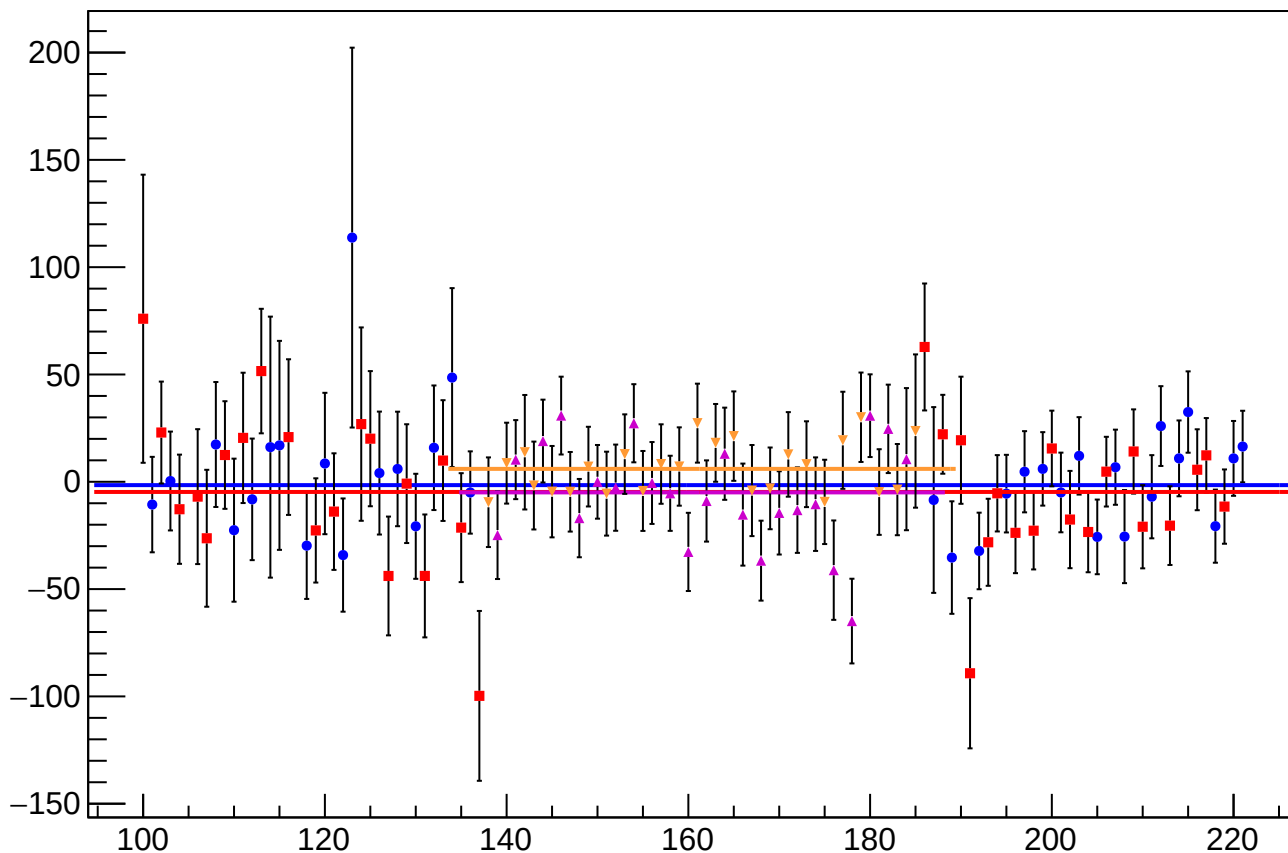
Left In: 179.839 $\pm$ 0.032 χ^2/NDF : 1588834.3/22

+ sign 184.206 $\pm$ 0.022 χ^2/NDF : 4408739.5/59

All: 179.778 $\pm$ 0.015 χ^2/NDF : 9067038.2/119

- 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: -1.555 ± 3.733 $\chi^2/\text{NDF}: 26.4/34$

Left Out: 6.020 ± 4.017 $\chi^2/\text{NDF}: 8.1/24$

Right Out: -4.734 ± 3.806 $\chi^2/\text{NDF}: 44.9/36$

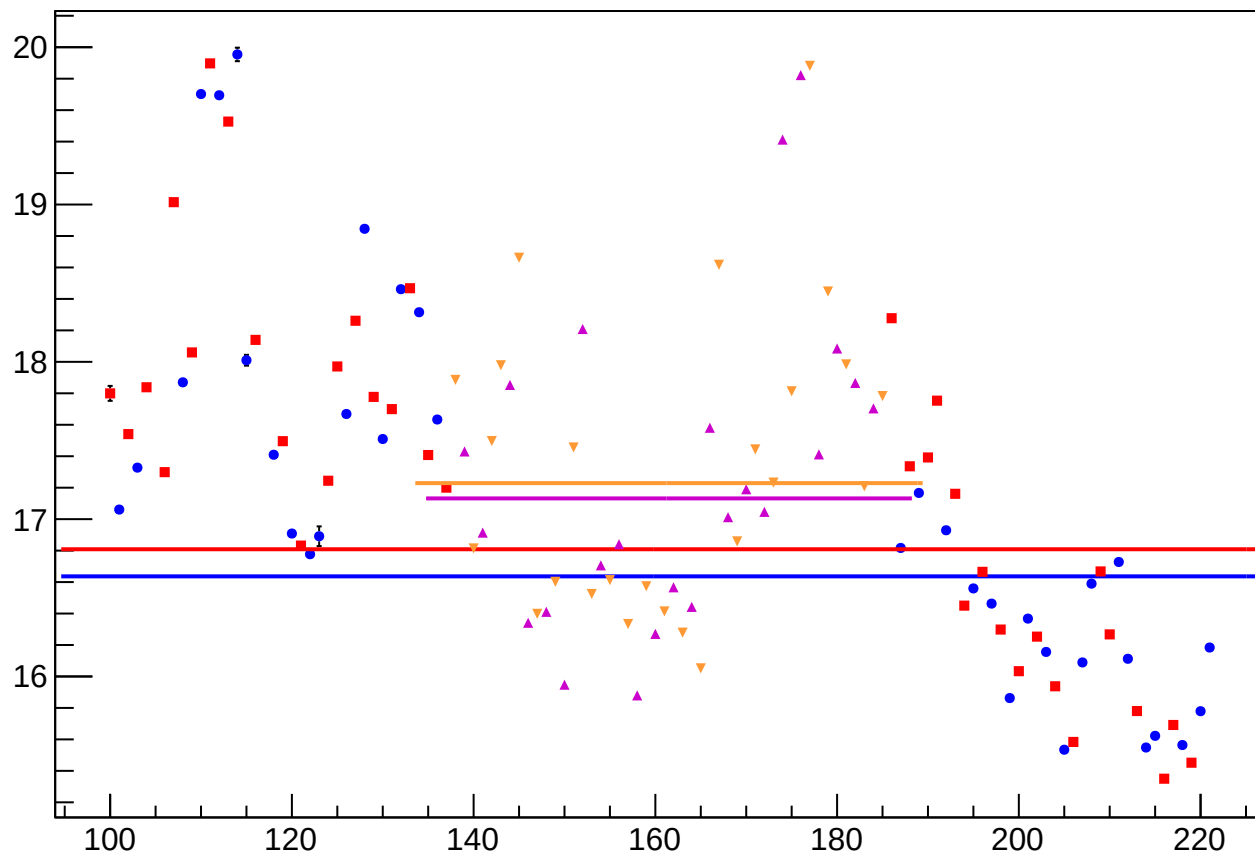
Left In: -4.943 ± 4.108 $\chi^2/\text{NDF}: 34.8/22$

+ sign 1.955 ± 2.735 $\chi^2/\text{NDF}: 36.4/59$

All: -1.368 ± 1.954 $\chi^2/\text{NDF}: 119.1/119$

- sign -4.831 ± 2.792 $\chi^2/\text{NDF}: 79.7/59$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.636 $\pm$ 0.003 χ^2 /NDF: 138168.4/34

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

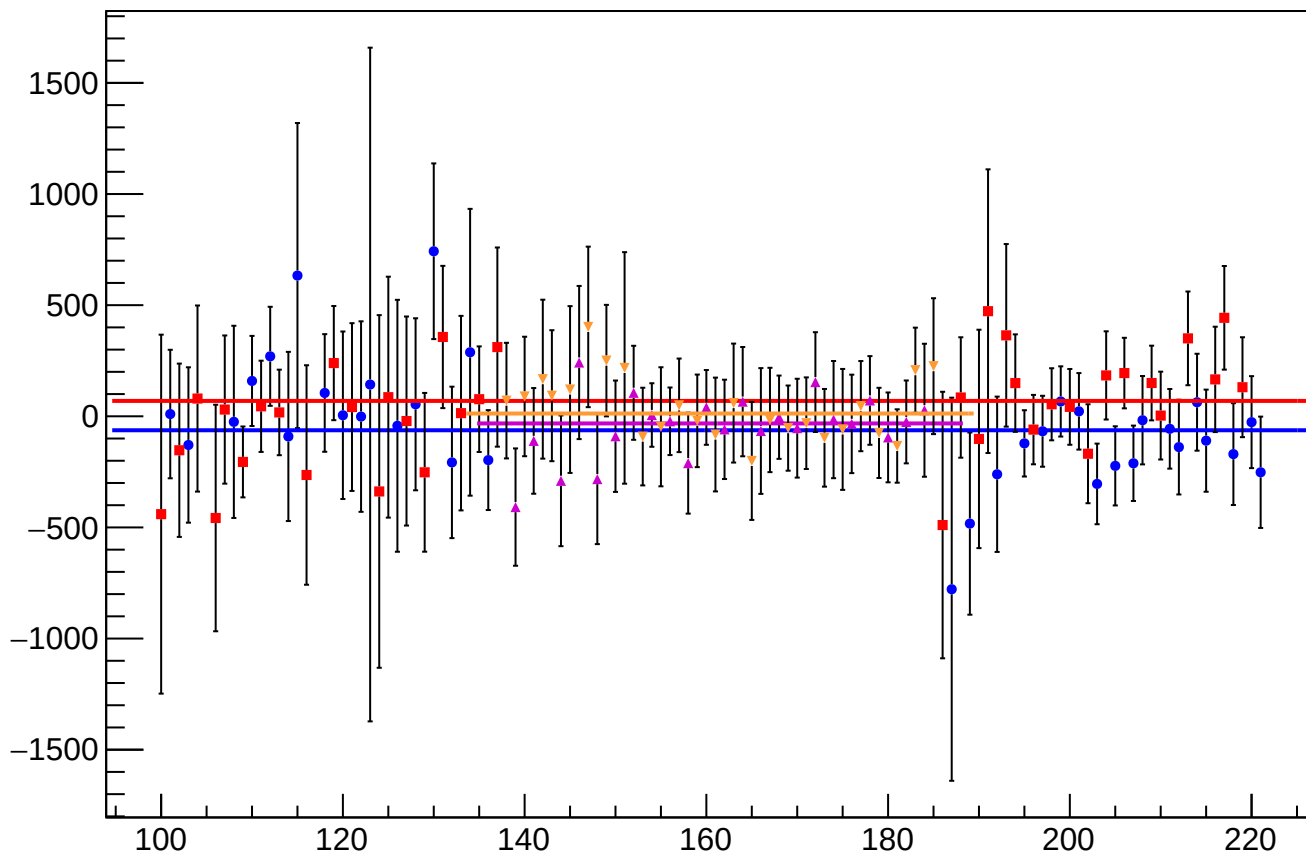
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 16.911 $\pm$ 0.002 χ^2 /NDF: 260158.2/59

All: 16.934 $\pm$ 0.001 χ^2 /NDF: 528563.8/119

- 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: -62.842 ± 40.811 χ^2/NDF : 18.0/34

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 69.210 ± 41.306 χ^2/NDF : 17.8/36

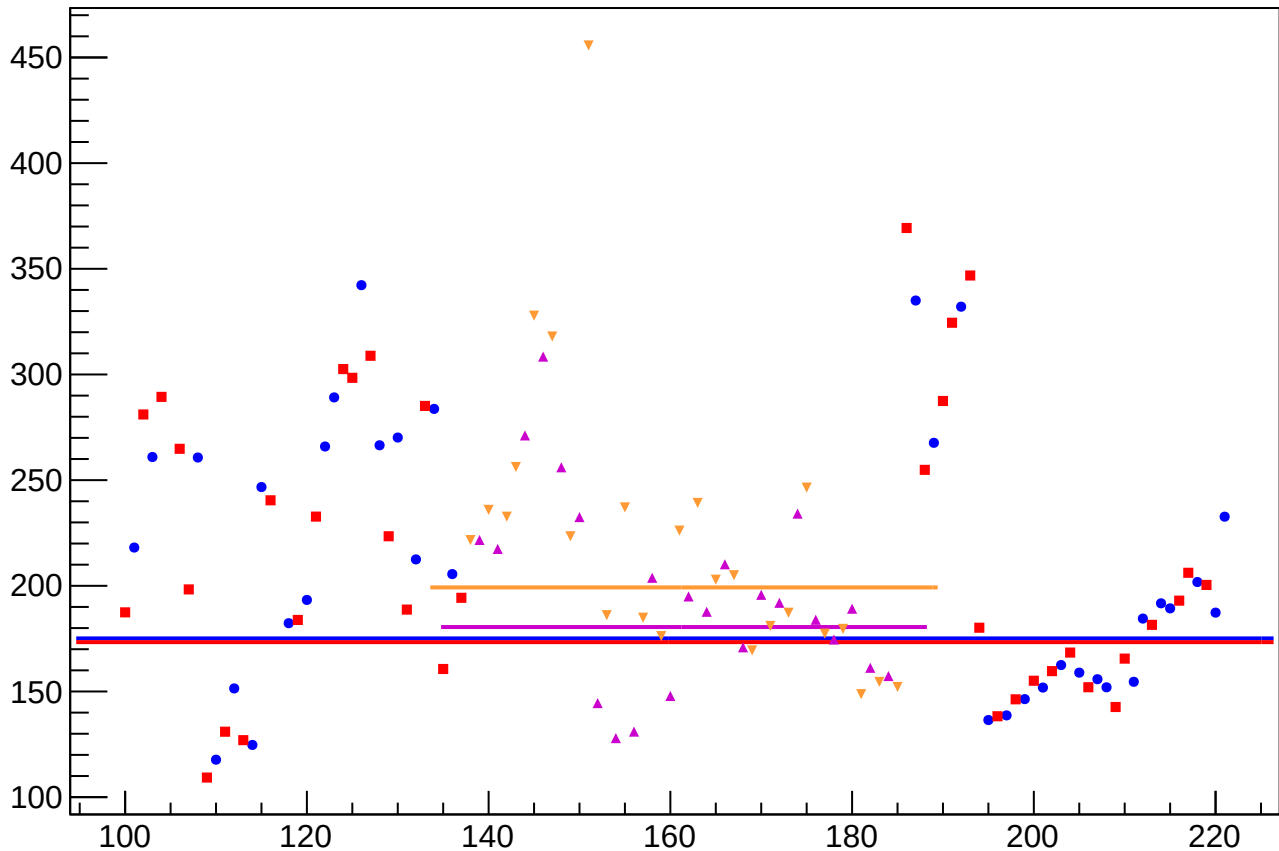
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign -31.306 ± 31.116 χ^2/NDF : 26.3/59

All: -3.584 ± 21.770 χ^2/NDF : 55.3/119

- 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: 175.112 $\pm$ 0.029 χ^2 /NDF: 2292872.5/34

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

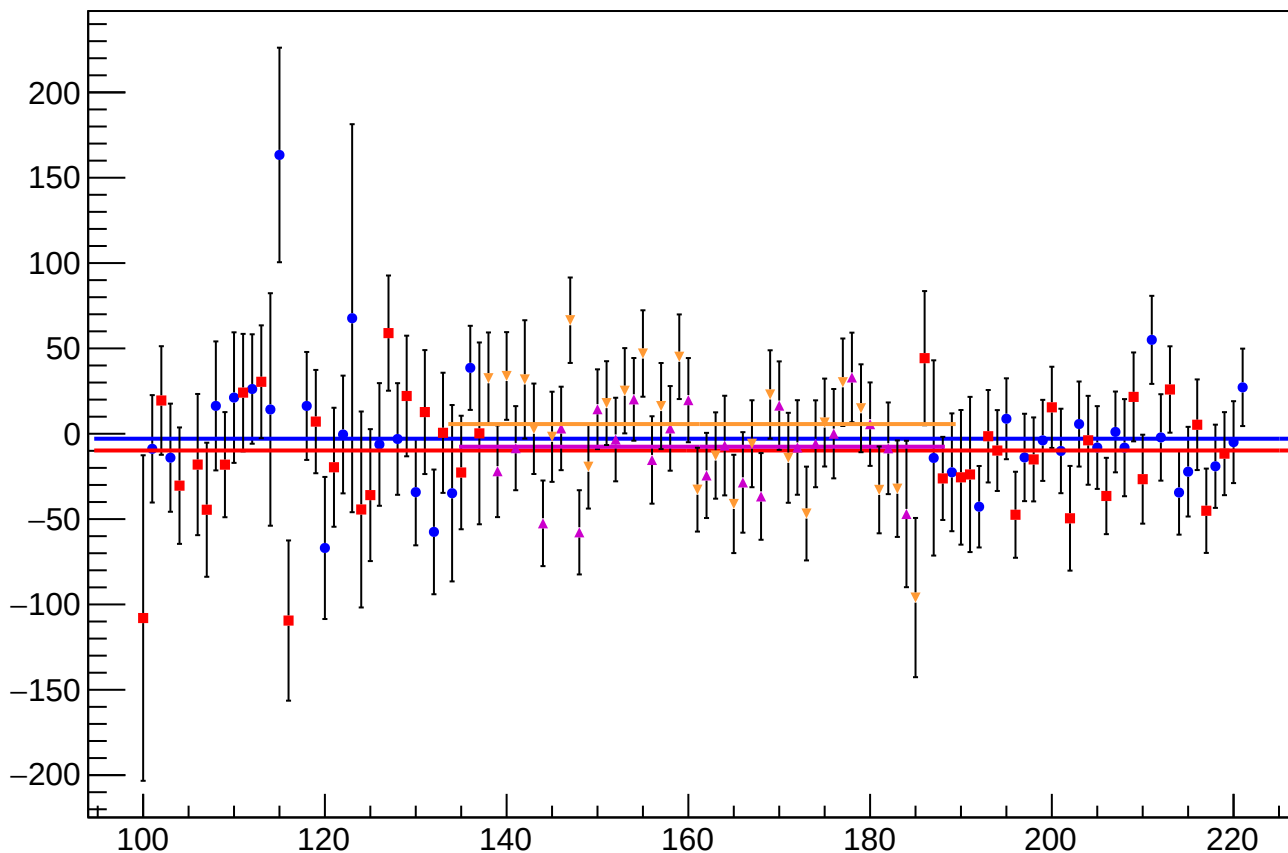
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF: 1593784.1/22

+ sign 185.215 $\pm$ 0.022 χ^2 /NDF: 4349709.2/59

All: 180.821 $\pm$ 0.015 χ^2 /NDF: 8909344.1/119

- 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: -2.907 ± 4.981 χ^2/NDF : 31.6/34

Left Out: 5.673 ± 5.278 χ^2/NDF : 36.4/24

Right Out: -9.807 ± 5.048 χ^2/NDF : 32.5/36

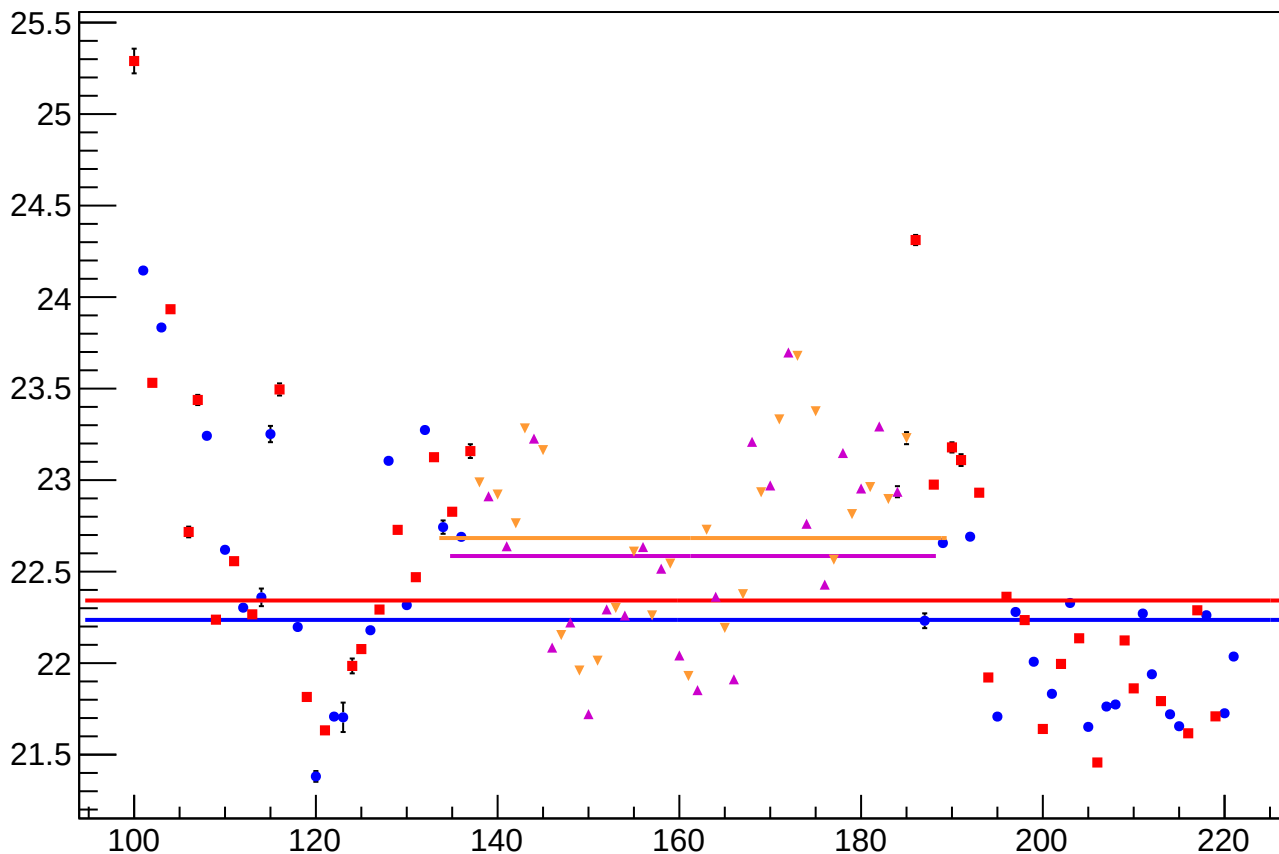
Left In: -7.594 ± 5.402 χ^2/NDF : 18.3/22

+ sign 1.135 ± 3.623 χ^2/NDF : 69.4/59

All: -3.731 ± 2.584 χ^2/NDF : 123.9/119

- 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: 22.236 $\pm$ 0.004 χ^2 /NDF: 28331.6/34

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

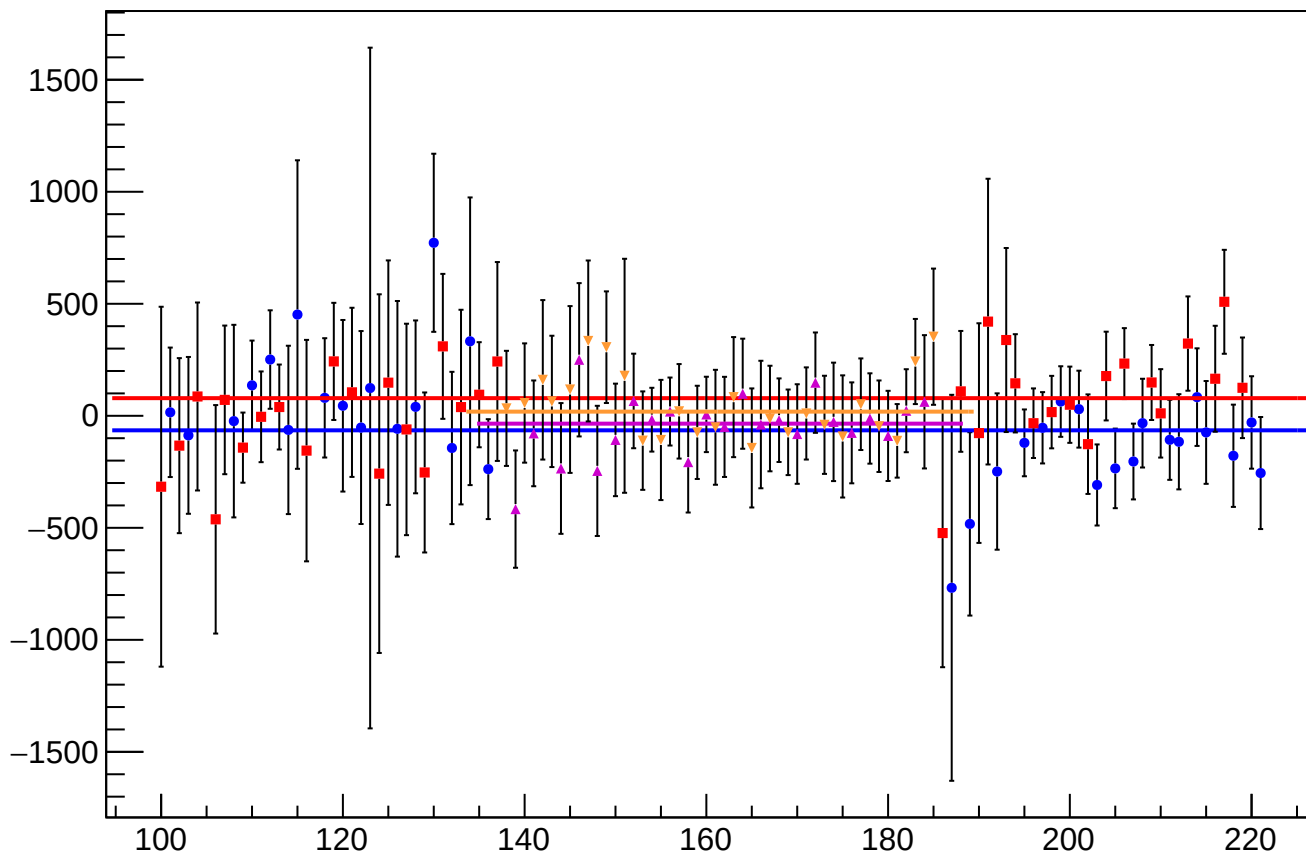
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.447 $\pm$ 0.003 χ^2 /NDF: 52244.2/59

All: 22.451 $\pm$ 0.002 χ^2 /NDF: 107700.0/119

- 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: -64.821 ± 40.698 χ^2/NDF : 17.6/34

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 78.767 ± 41.140 χ^2/NDF : 16.2/36

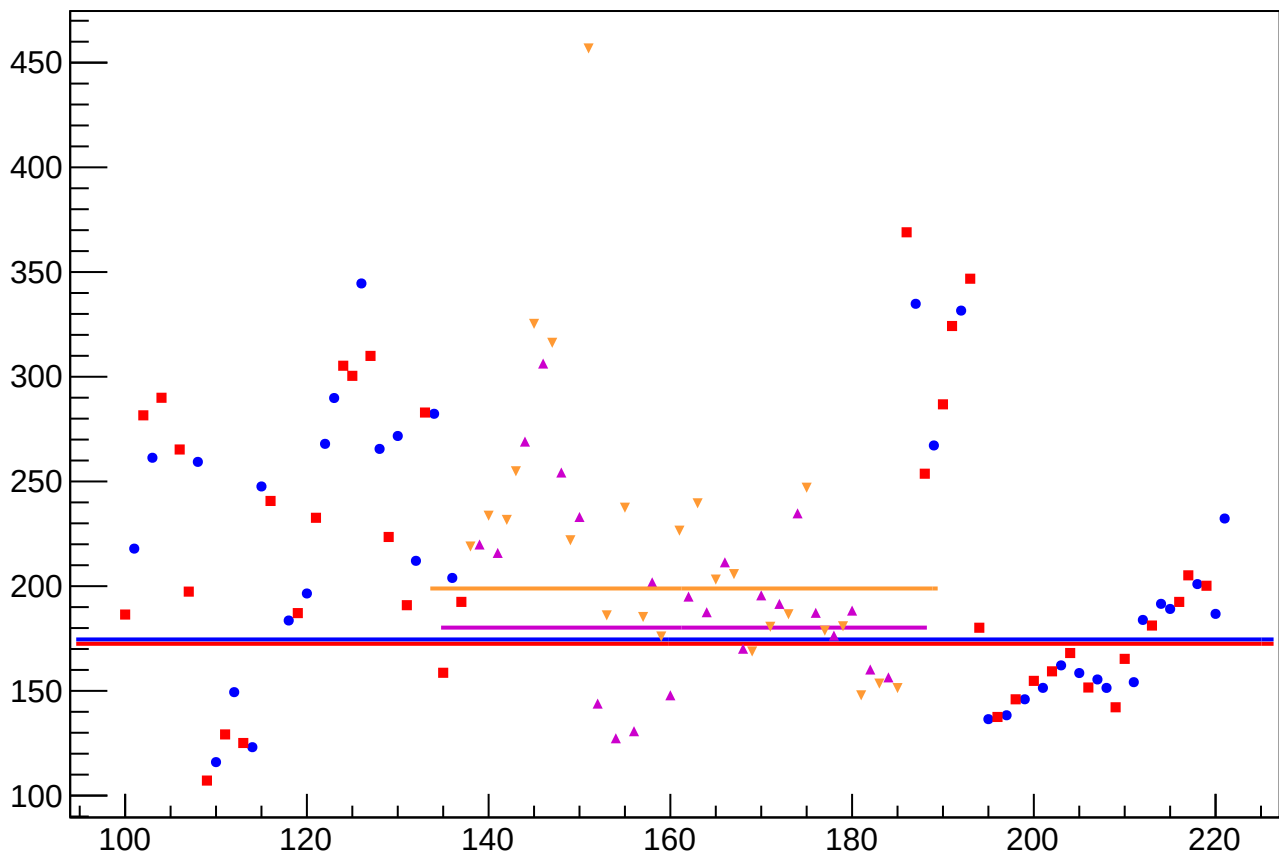
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign -29.923 ± 31.044 χ^2/NDF : 27.0/59

All: -0.834 ± 21.714 χ^2/NDF : 54.7/119

- 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: 174.560 $\pm$ 0.029 χ^2 /NDF: 2324317.6/34

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

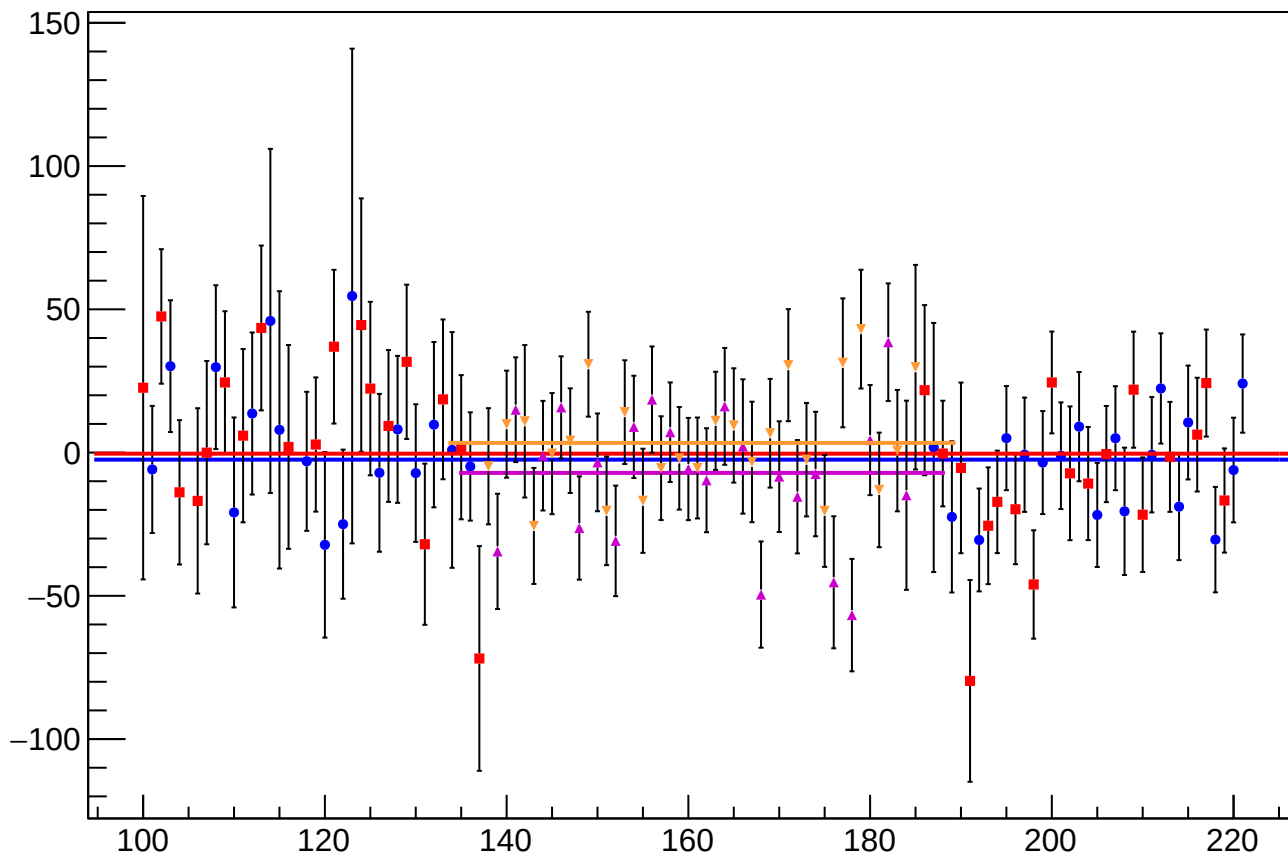
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 184.735 $\pm$ 0.022 χ^2 /NDF: 4385677.8/59

All: 180.268 $\pm$ 0.015 χ^2 /NDF: 9017935.0/119

- 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: -2.461 ± 3.813 χ^2/NDF : 20.3/34

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -0.384 ± 3.866 χ^2/NDF : 40.6/36

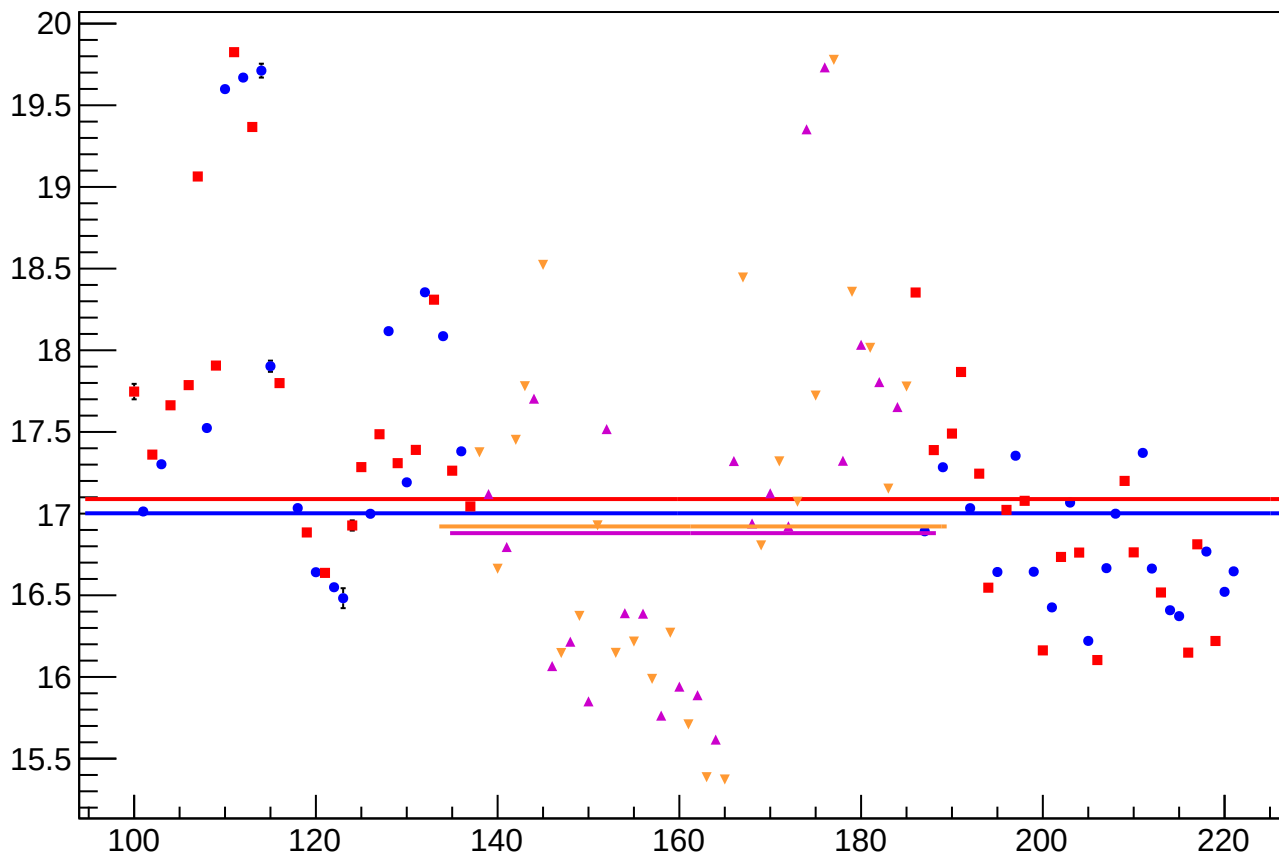
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 0.354 ± 2.742 χ^2/NDF : 40.2/59

All: -1.578 ± 1.958 χ^2/NDF : 115.8/119

- 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: 17.002 ± 0.003 χ^2/NDF : 63928.7/34

Left Out: 16.921 ± 0.003 χ^2/NDF : 138990.4/24

Right Out: 17.089 ± 0.003 χ^2/NDF : 80169.7/36

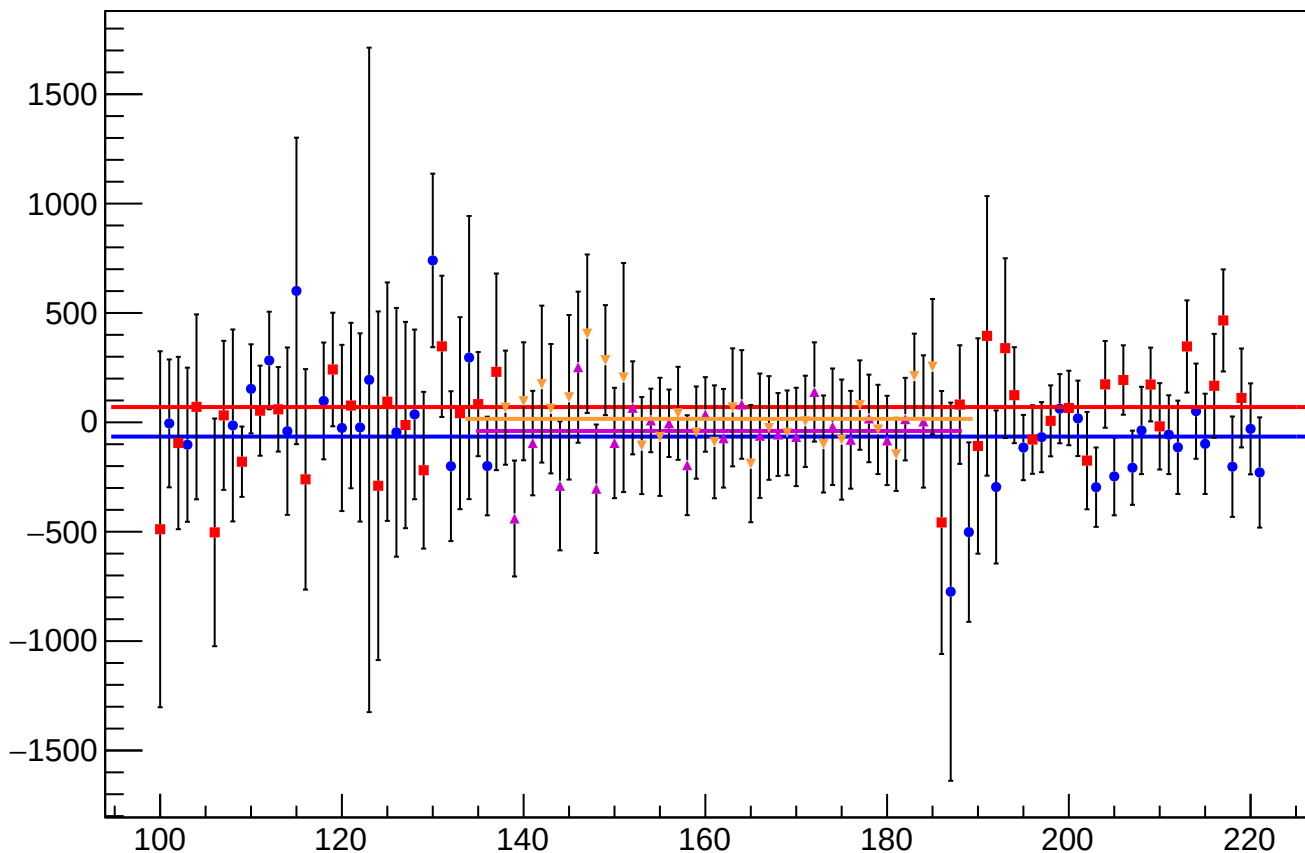
Left In: 16.880 ± 0.003 χ^2/NDF : 121736.1/22

+ sign 16.963 ± 0.002 χ^2/NDF : 203350.1/59

All: 16.976 ± 0.001 χ^2/NDF : 408126.5/119

- sign 16.990 ± 0.002 χ^2/NDF : 204685.4/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -65.146 ± 40.924 χ^2/NDF : 17.8/34

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 69.838 ± 41.436 χ^2/NDF : 17.1/36

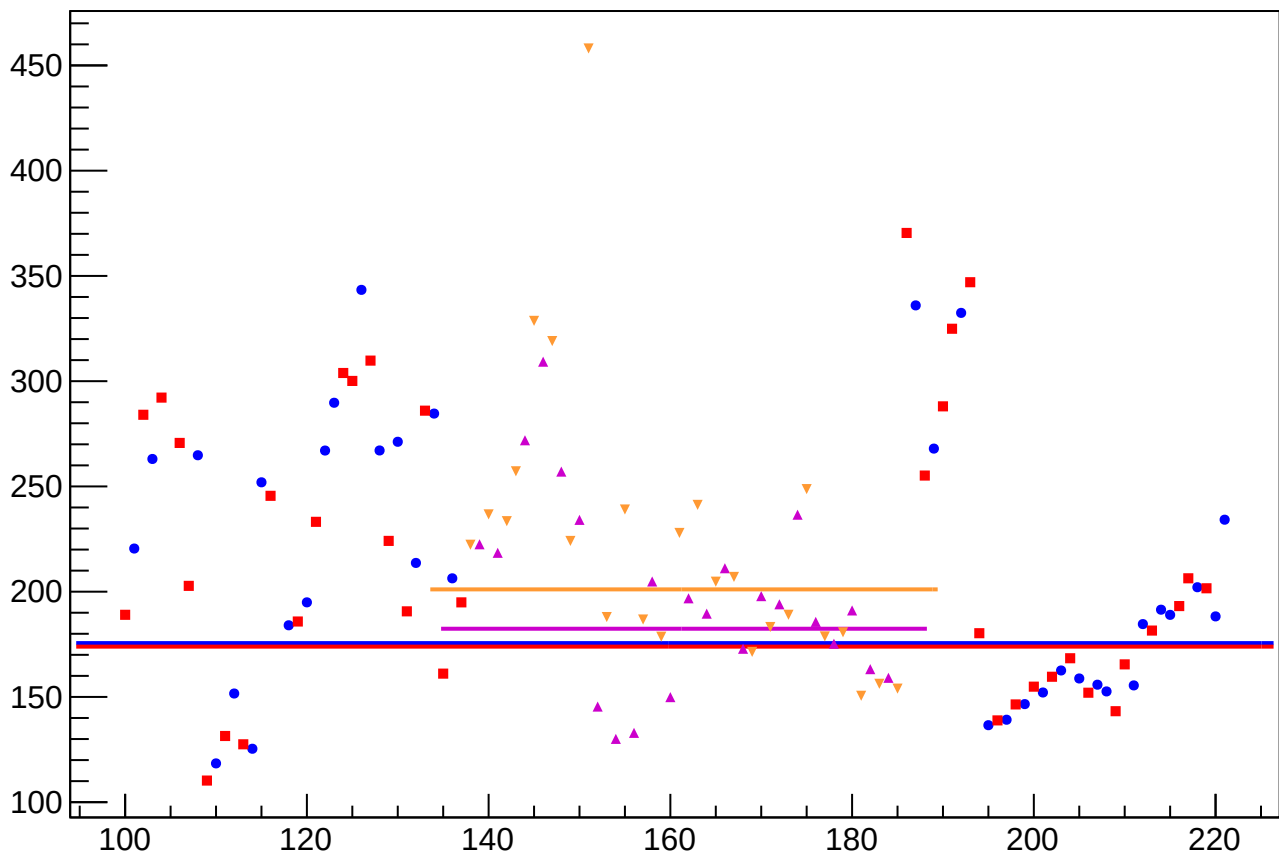
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign -31.414 ± 31.278 χ^2/NDF : 26.8/59

All: -4.984 ± 21.894 χ^2/NDF : 55.3/119

- 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: 175.570 $\pm$ 0.029 χ^2 /NDF: 2308018.7/34

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 173.897 $\pm$ 0.029 χ^2 /NDF: 2870249.6/36

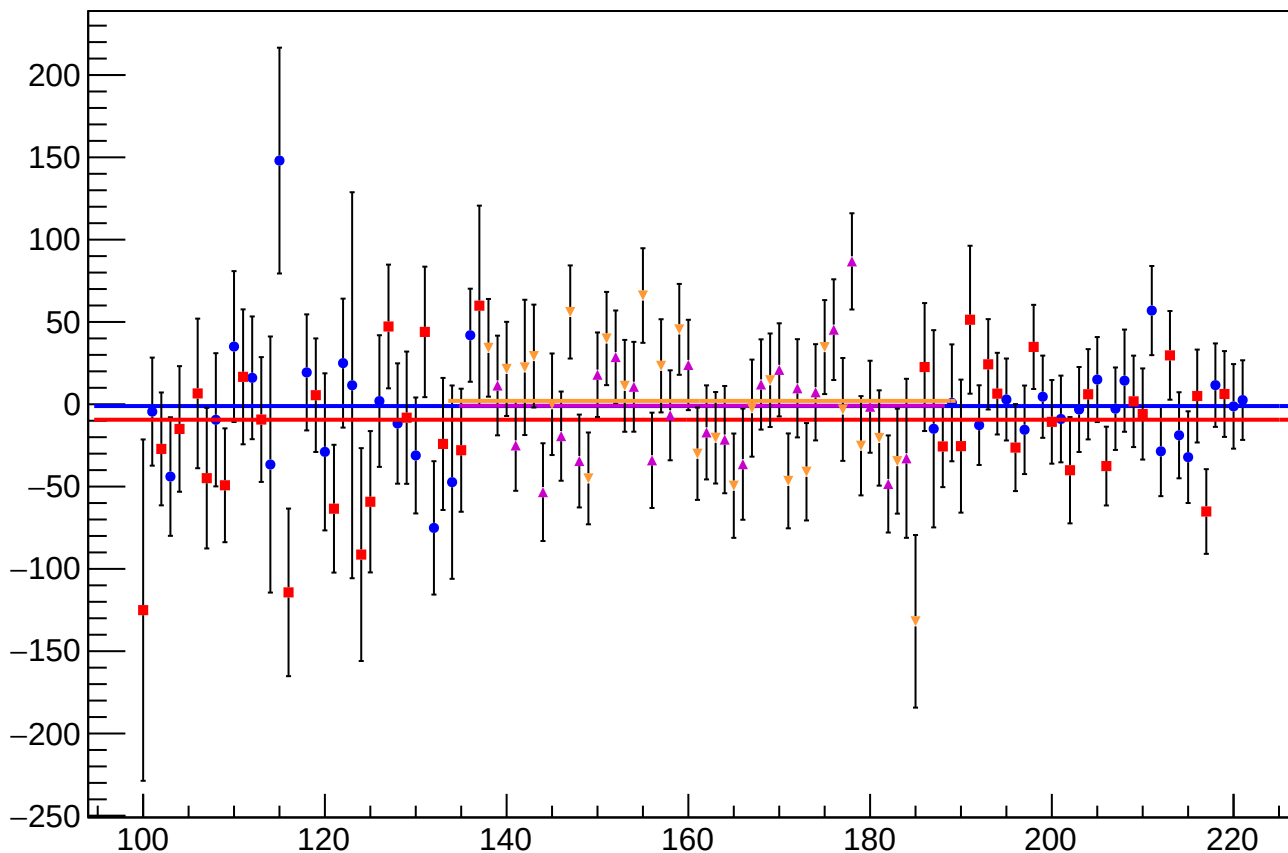
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 186.183 $\pm$ 0.022 χ^2 /NDF: 4362553.7/59

All: 181.879 $\pm$ 0.015 χ^2 /NDF: 8894051.3/119

- sign 177.743 $\pm$ 0.022 χ^2 /NDF: 4457240.2/59

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.092 ± 5.354 $\chi^2/\text{NDF}: 24.4/34$

Left Out: 2.054 ± 5.970 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -9.391 ± 5.410 $\chi^2/\text{NDF}: 37.8/36$

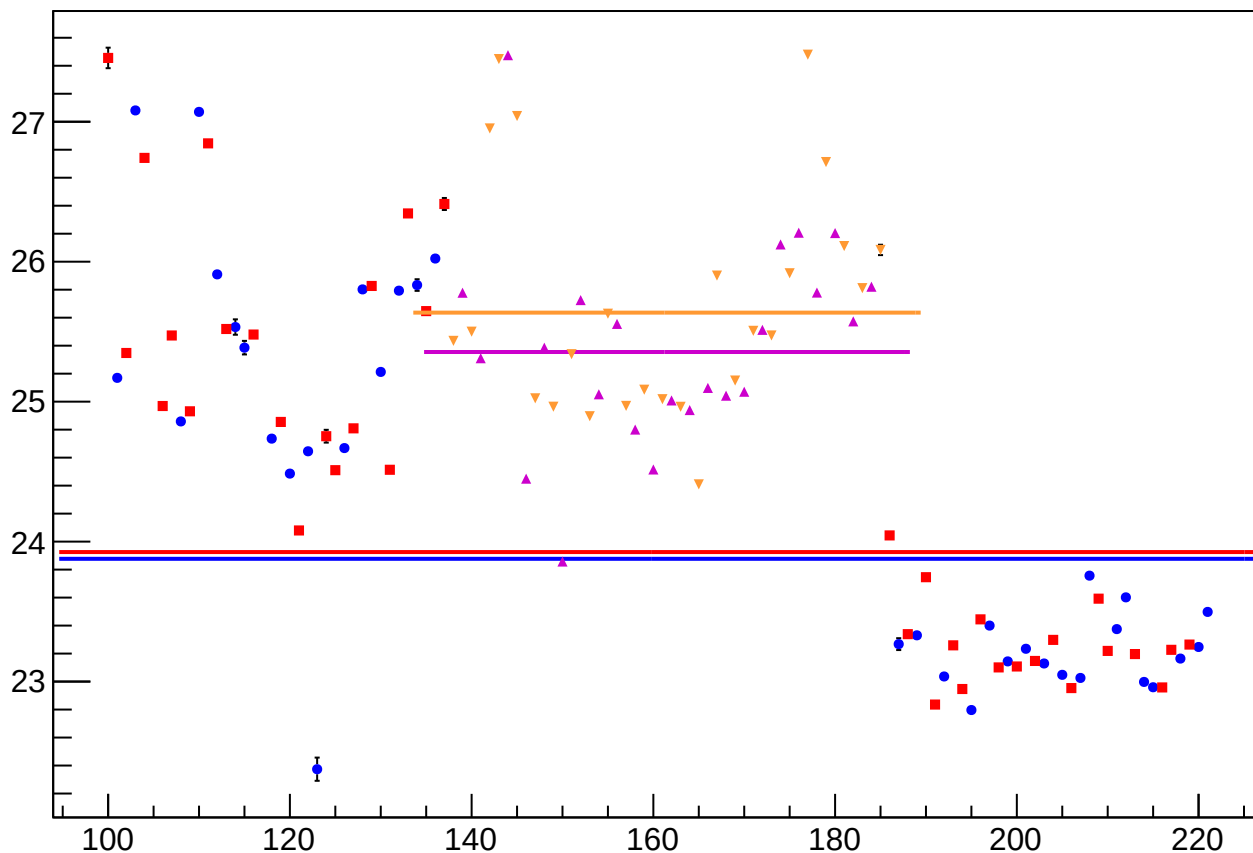
Left In: -0.900 ± 6.069 $\chi^2/\text{NDF}: 27.1/22$

+ sign 0.310 ± 3.986 $\chi^2/\text{NDF}: 64.0/59$

All: -2.622 ± 2.837 $\chi^2/\text{NDF}: 131.1/119$

- sign -5.632 ± 4.039 $\chi^2/\text{NDF}: 66.0/59$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.877 $\pm$ 0.004 χ^2 /NDF: 92755.8/34

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 23.925 $\pm$ 0.004 χ^2 /NDF: 85800.7/36

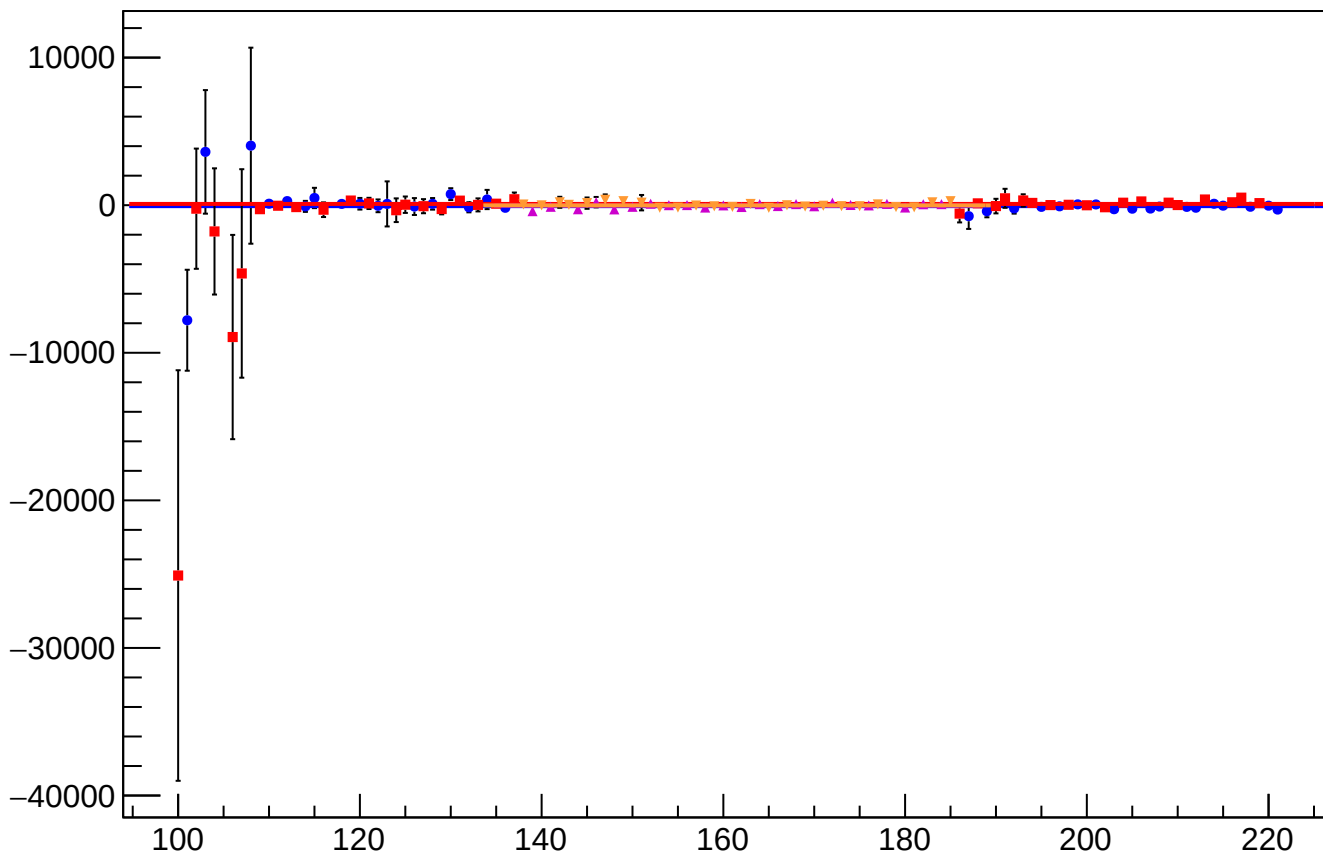
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 24.661 $\pm$ 0.003 χ^2 /NDF: 224107.3/59

All: 24.610 $\pm$ 0.002 χ^2 /NDF: 402141.4/119

- sign 24.558 $\pm$ 0.003 χ^2 /NDF: 177375.6/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -64.527 ± 42.597 χ^2/NDF : 22.9/34

Left Out: -12.820 ± 48.216 χ^2/NDF : 7.9/24

Right Out: 84.771 ± 43.767 χ^2/NDF : 24.4/36

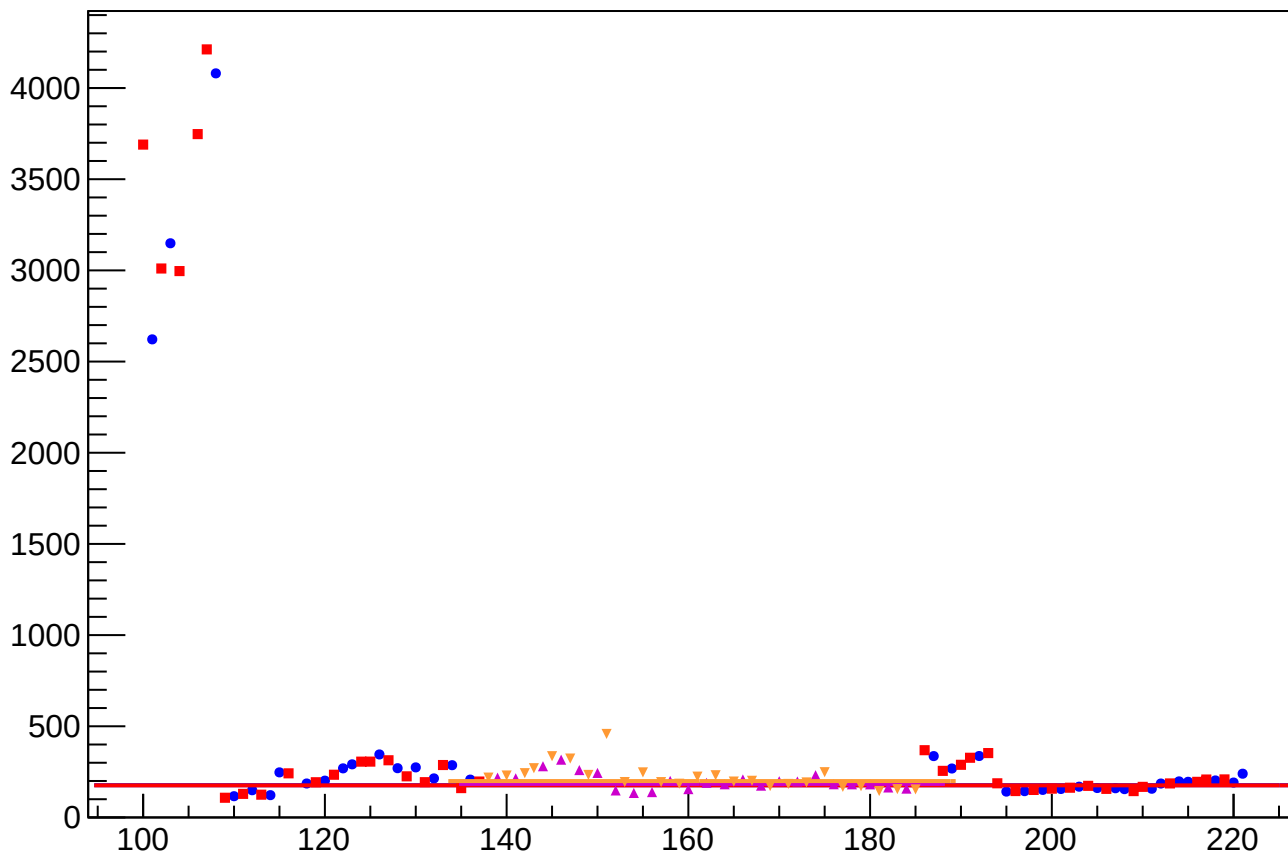
Left In: -26.836 ± 45.876 χ^2/NDF : 7.5/22

+ sign -41.861 ± 31.923 χ^2/NDF : 31.4/59

All: -4.840 ± 22.482 χ^2/NDF : 69.1/119

- sign 31.591 ± 31.667 χ^2/NDF : 35.0/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 176.861 $\pm$ 0.030 χ^2 /NDF: 4733552.7/34

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF:1880548.8/24

Right Out: 175.958 $\pm$ 0.031 χ^2 /NDF: 5501459.4/36

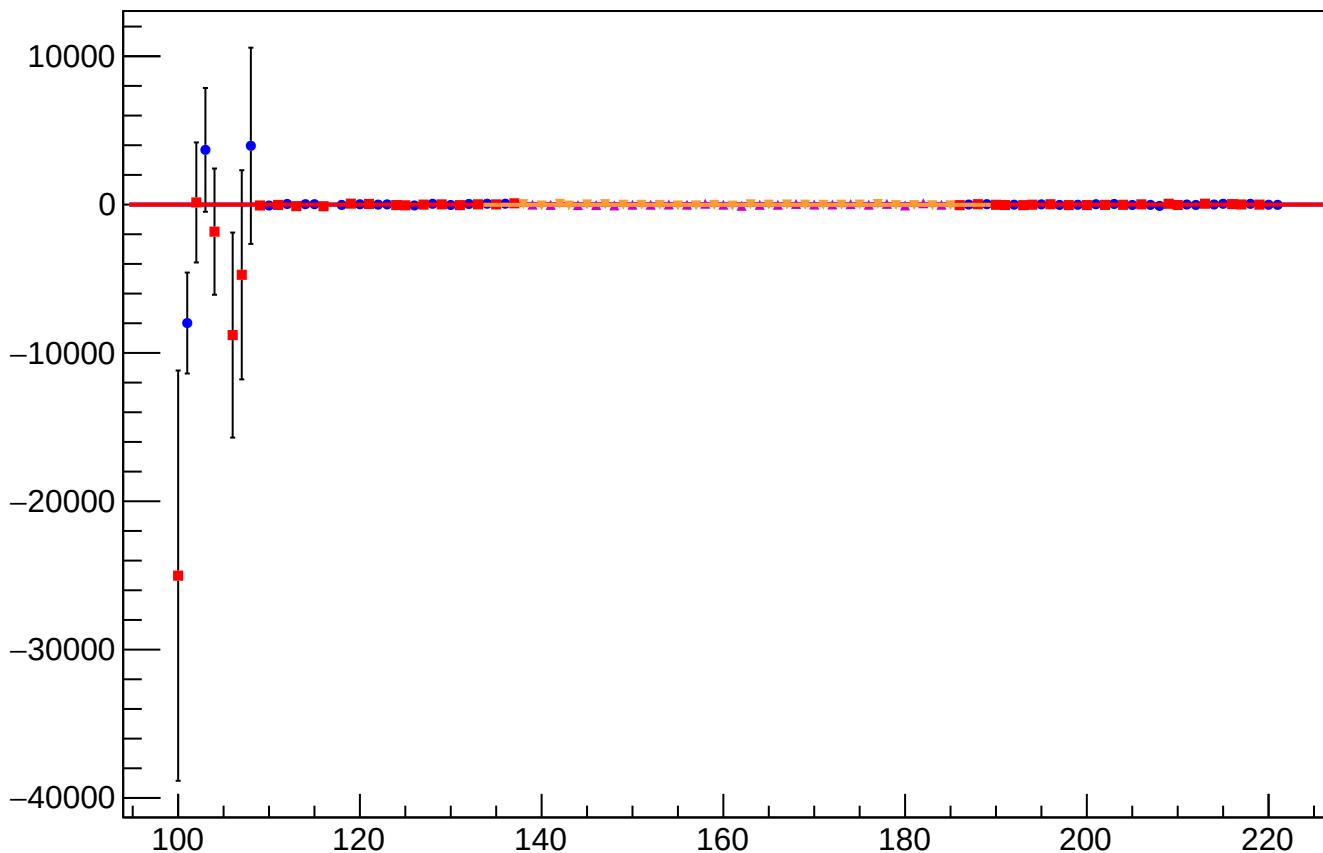
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 186.801 $\pm$ 0.023 χ^2 /NDF: 6862508.2/59

All: 183.275 $\pm$ 0.016 χ^2 /NDF: 13868258.4/11

- sign 179.805 $\pm$ 0.022 χ^2 /NDF: 6957340.0/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.573 ± 6.432 χ^2/NDF : 37.0/34

Left Out: -17.580 ± 6.694 χ^2/NDF : 22.3/24

Right Out: -3.158 ± 6.587 χ^2/NDF : 39.9/36

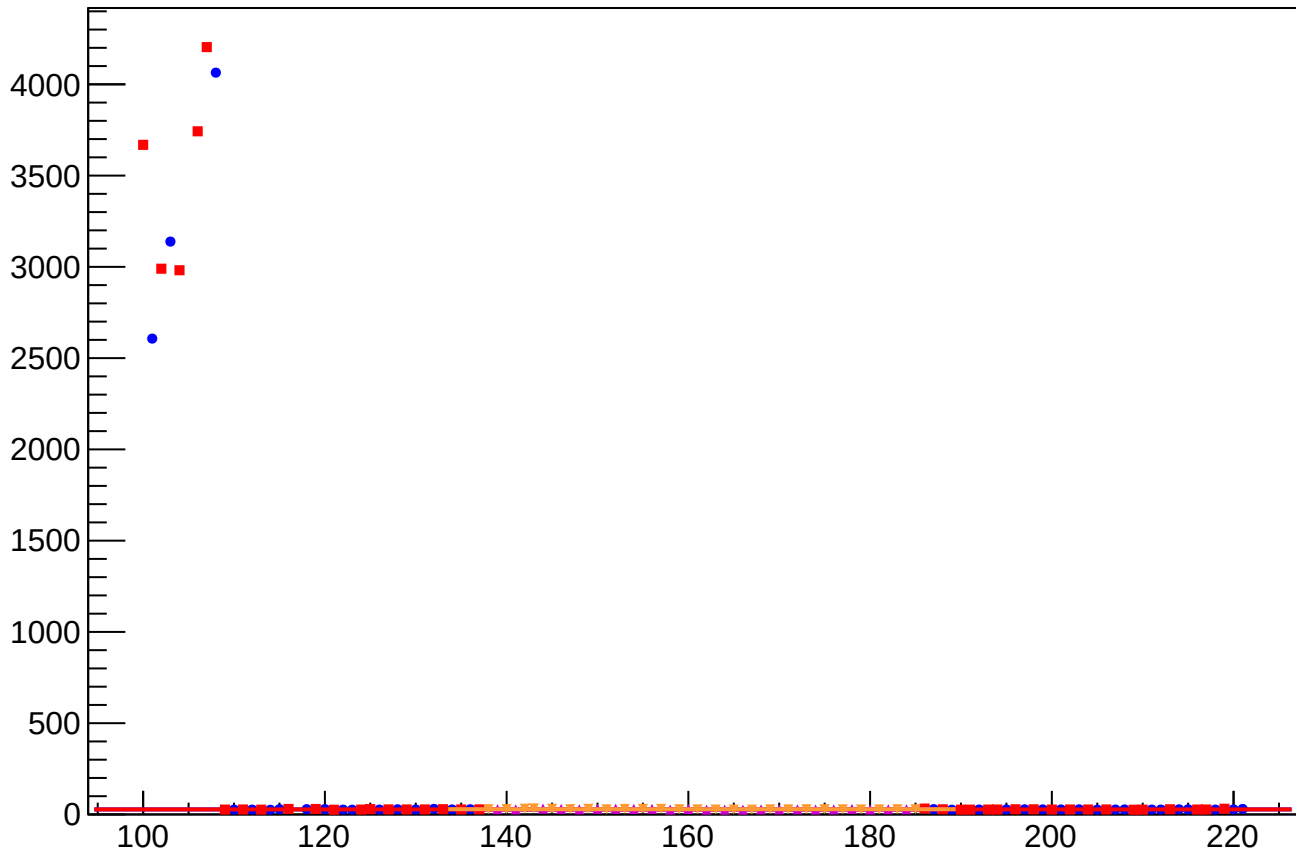
Left In: -1.038 ± 6.880 χ^2/NDF : 32.4/22

+ sign -7.102 ± 4.638 χ^2/NDF : 64.0/59

All: -4.686 ± 3.321 χ^2/NDF : 137.0/119

- sign -2.144 ± 4.758 χ^2/NDF : 72.4/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.584 $\pm$ 0.005 χ^2 /NDF: 3059875.6/34

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

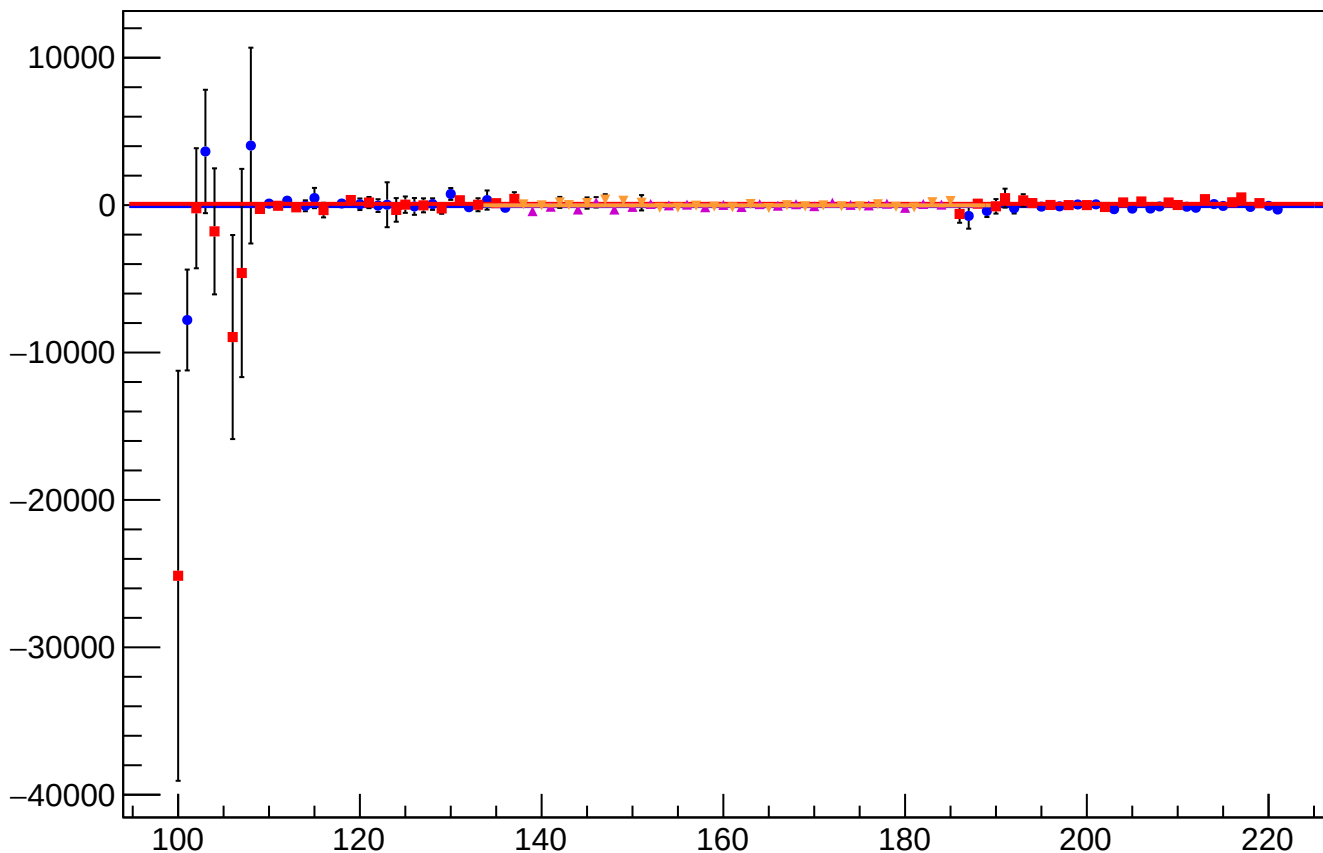
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.115 $\pm$ 0.003 χ^2 /NDF: 3198808.7/59

All: 28.105 $\pm$ 0.002 χ^2 /NDF: 6888622.9/119

- 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: -65.906 ± 42.466 χ^2/NDF : 23.0/34

Left Out: -15.483 ± 48.109 χ^2/NDF : 8.7/24

Right Out: 87.186 ± 43.641 χ^2/NDF : 25.5/36

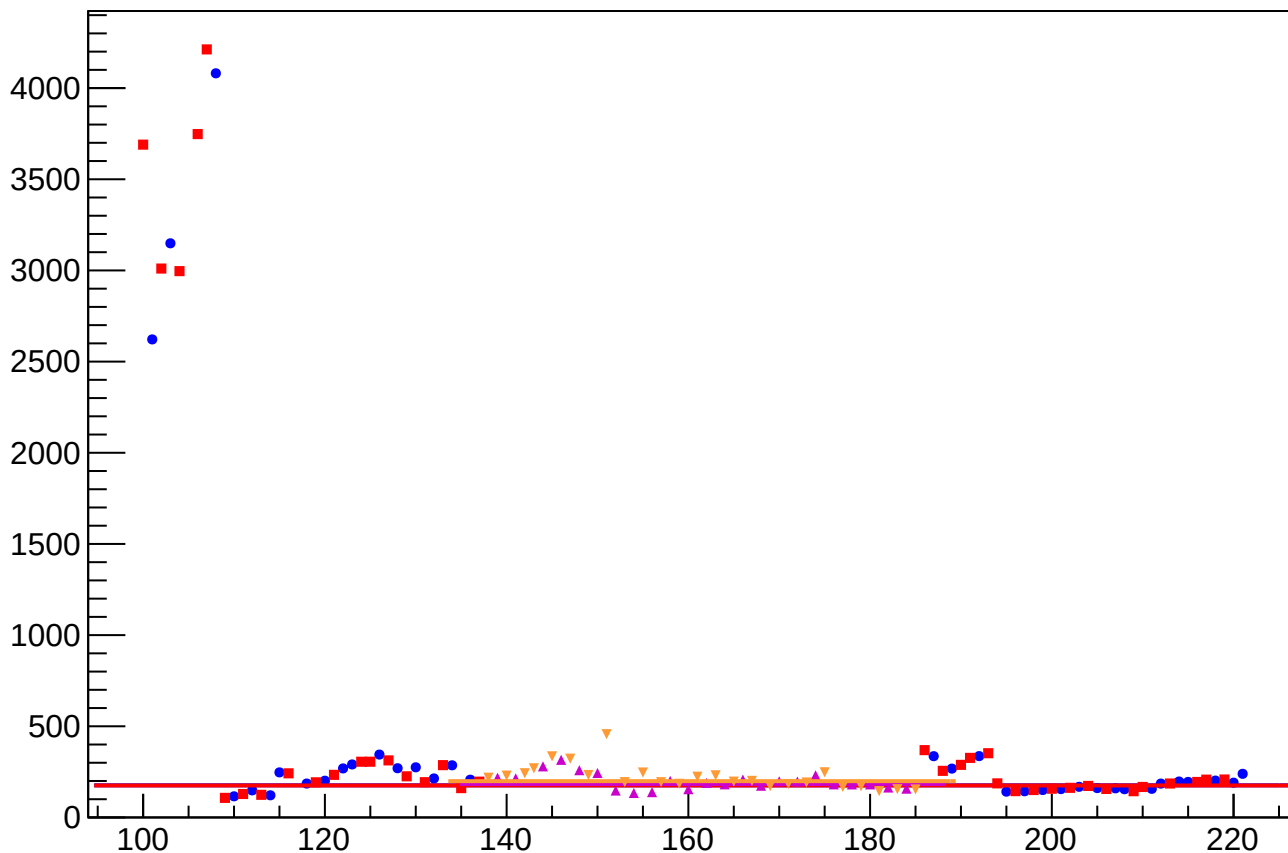
Left In: -27.009 ± 45.785 χ^2/NDF : 7.8/22

+ sign -43.823 ± 31.837 χ^2/NDF : 32.3/59

All: -5.200 ± 22.424 χ^2/NDF : 71.8/119

- sign 32.824 ± 31.589 χ^2/NDF : 36.6/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 176.284 $\pm$ 0.030 χ^2 /NDF: 4747438.8/34

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF: 1880343.4/24

Right Out: 175.401 $\pm$ 0.031 χ^2 /NDF: 5519608.0/36

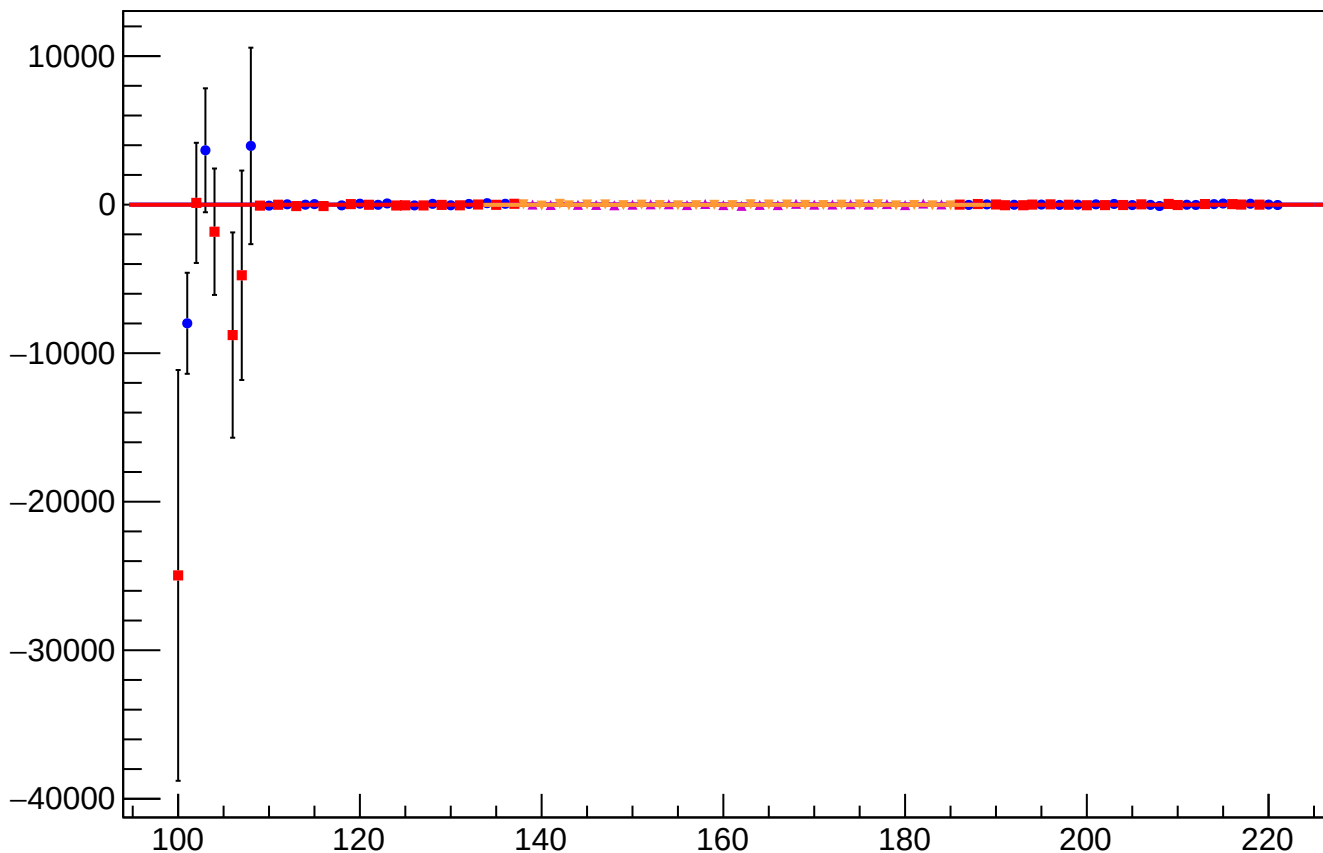
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF: 1422895.7/22

+ sign 186.273 $\pm$ 0.023 χ^2 /NDF: 6880484.4/59

All: 182.778 $\pm$ 0.016 χ^2 /NDF: 13904996.8/139

- sign 179.336 $\pm$ 0.022 χ^2 /NDF: 6976661.9/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 3.737 ± 6.388 χ^2/NDF : 46.1/34

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -6.231 ± 6.551 χ^2/NDF : 34.9/36

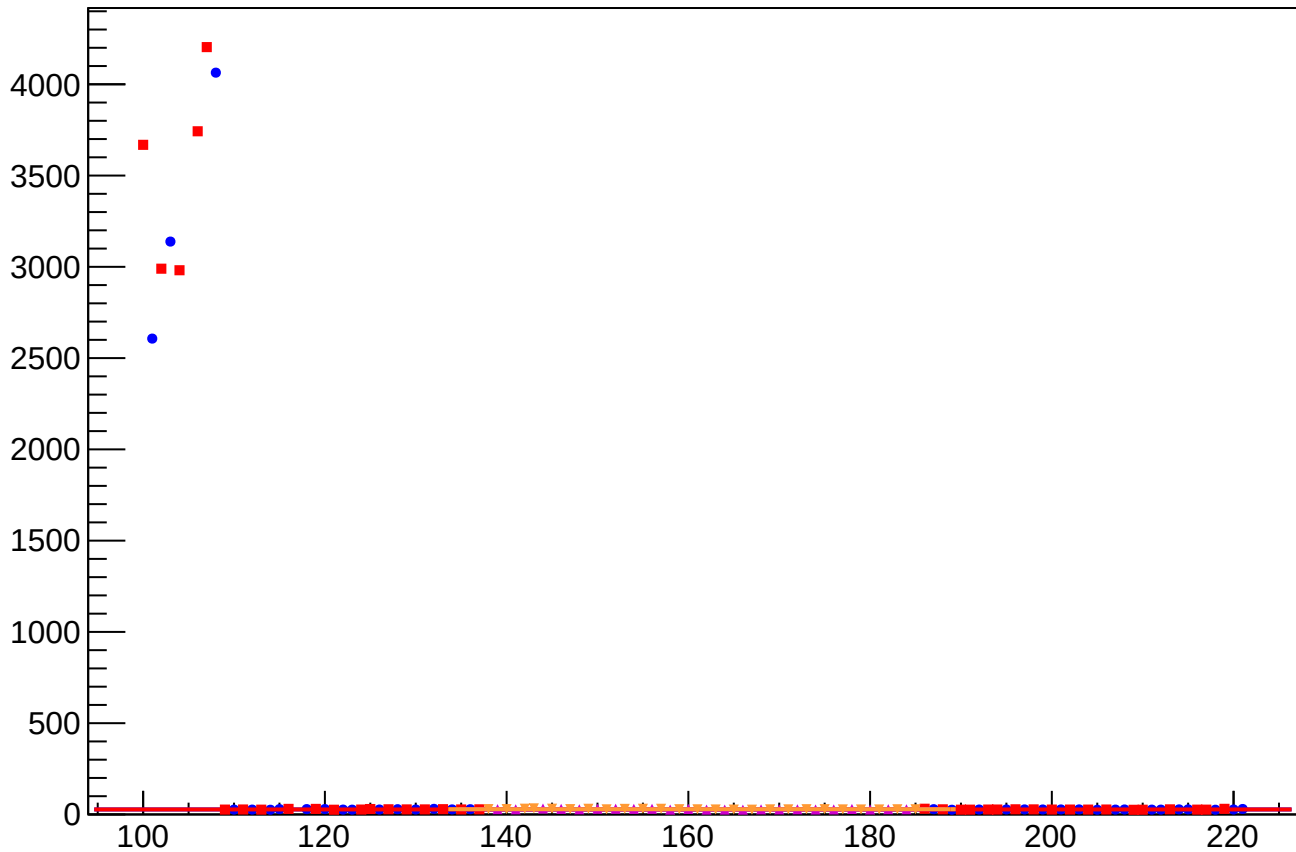
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -5.155 ± 4.631 χ^2/NDF : 67.6/59

All: -4.081 ± 3.317 χ^2/NDF : 129.5/119

- sign -2.949 ± 4.754 χ^2/NDF : 61.8/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.388 $\pm$ 0.005 χ^2 /NDF: 3071301.7/34

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

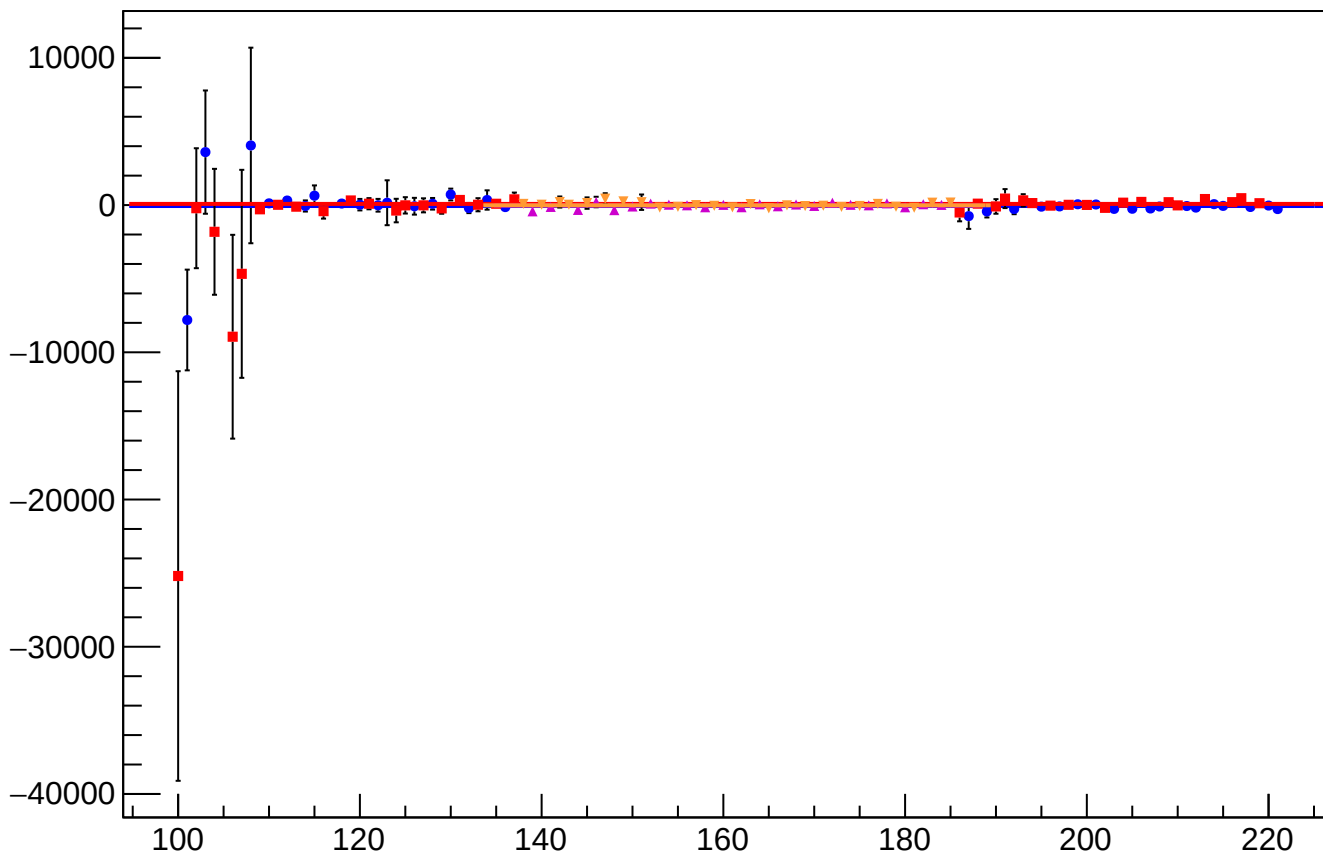
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.064 $\pm$ 0.003 χ^2 /NDF: 3240475.0/59

All: 28.064 $\pm$ 0.002 χ^2 /NDF: 6953413.8/119

- 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: -64.001 ± 42.756 χ^2/NDF : 23.0/34

Left Out: -15.548 ± 48.688 χ^2/NDF : 8.0/24

Right Out: 78.528 ± 43.957 χ^2/NDF : 24.3/36

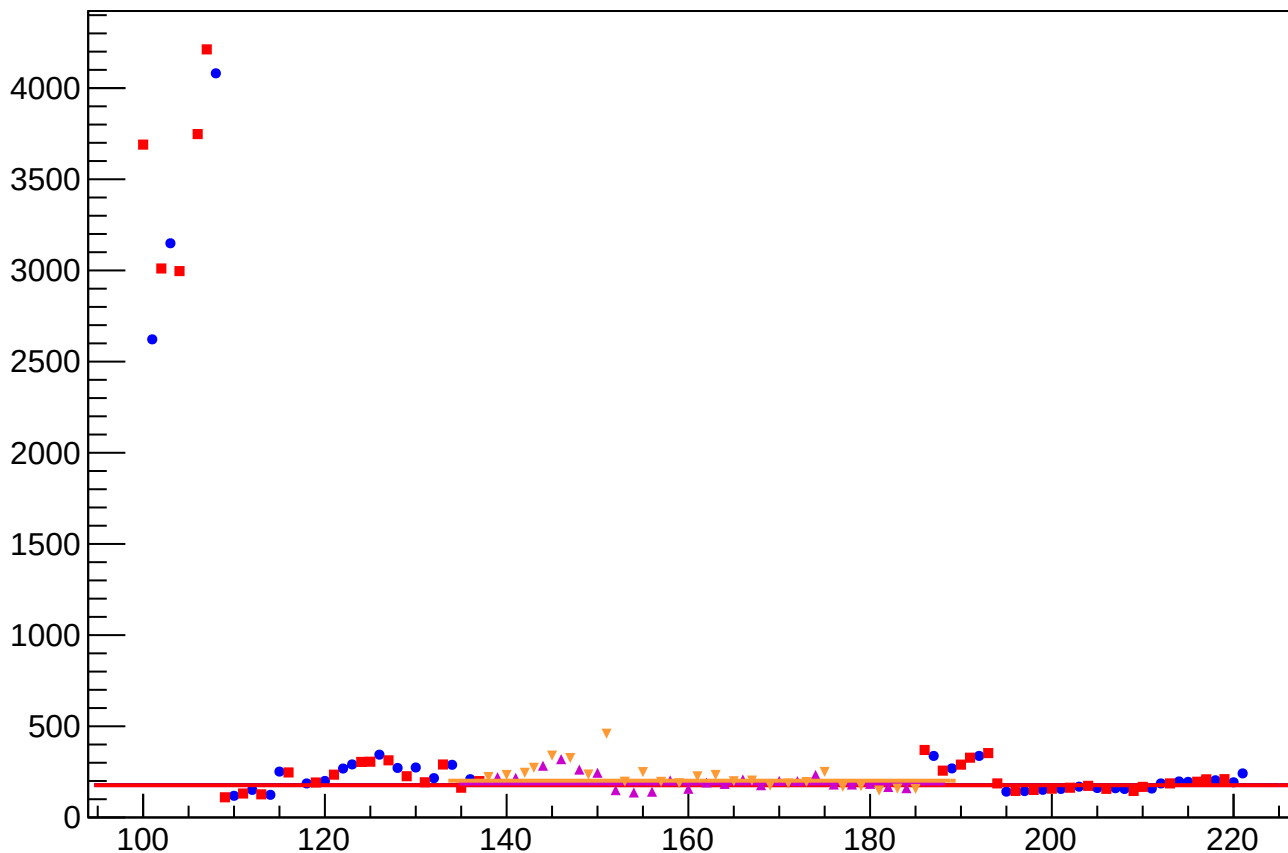
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign -42.904 ± 32.127 χ^2/NDF : 31.6/59

All: -7.906 ± 22.636 χ^2/NDF : 69.3/119

- sign 26.595 ± 31.897 χ^2/NDF : 35.4/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 177.573 $\pm$ 0.030 χ^2 /NDF: 4714895.4/34

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF:1857453.2/24

Right Out: 176.850 $\pm$ 0.031 χ^2 /NDF: 5459461.5/36

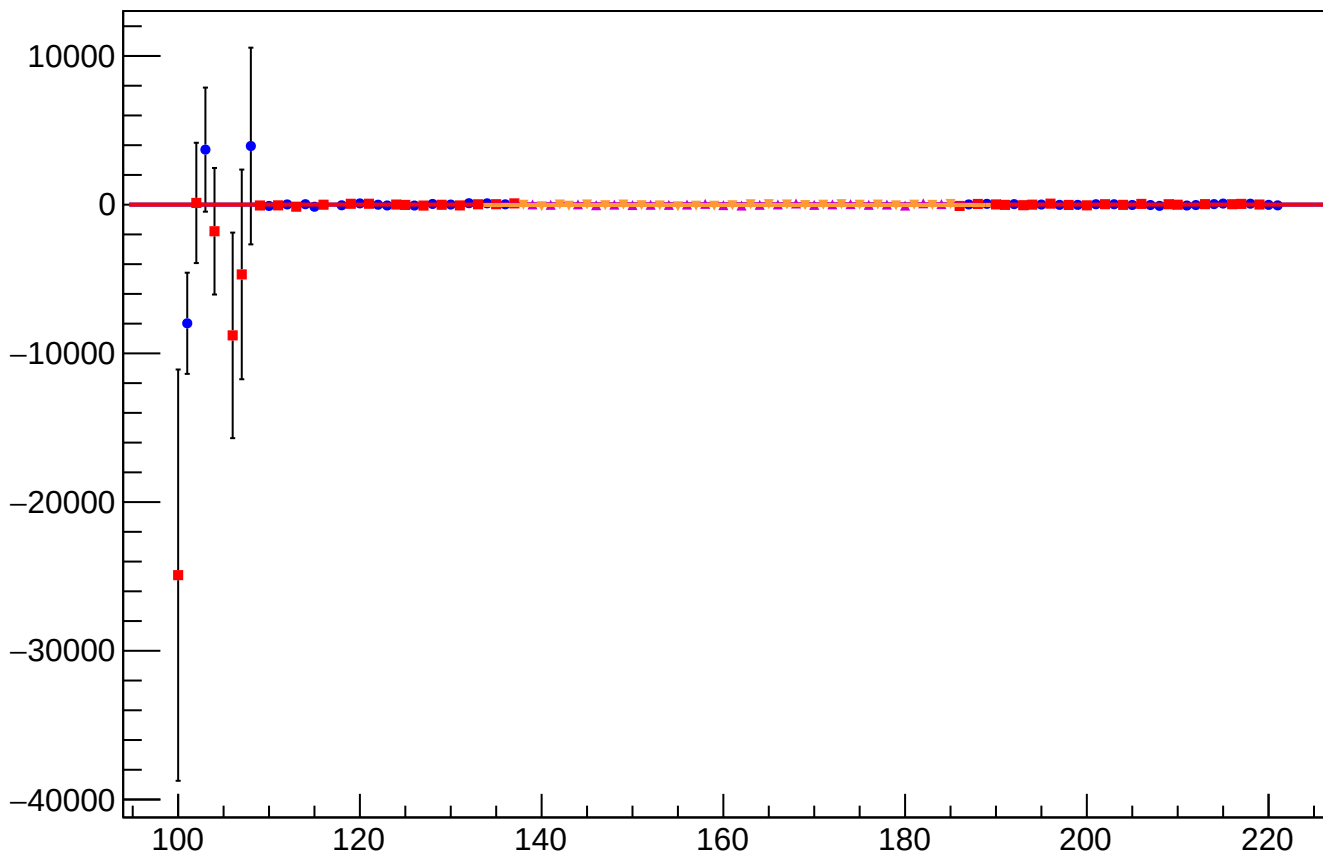
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

+ sign 188.034 $\pm$ 0.023 χ^2 /NDF: 6847344.2/59

All: 184.609 $\pm$ 0.016 χ^2 /NDF: 13785266.0/13

- sign 181.233 $\pm$ 0.023 χ^2 /NDF: 6892776.1/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.843 ± 7.774 χ^2/NDF : 40.2/34

Left Out: -23.360 ± 8.064 χ^2/NDF : 25.8/24

Right Out: 6.542 ± 7.979 χ^2/NDF : 38.1/36

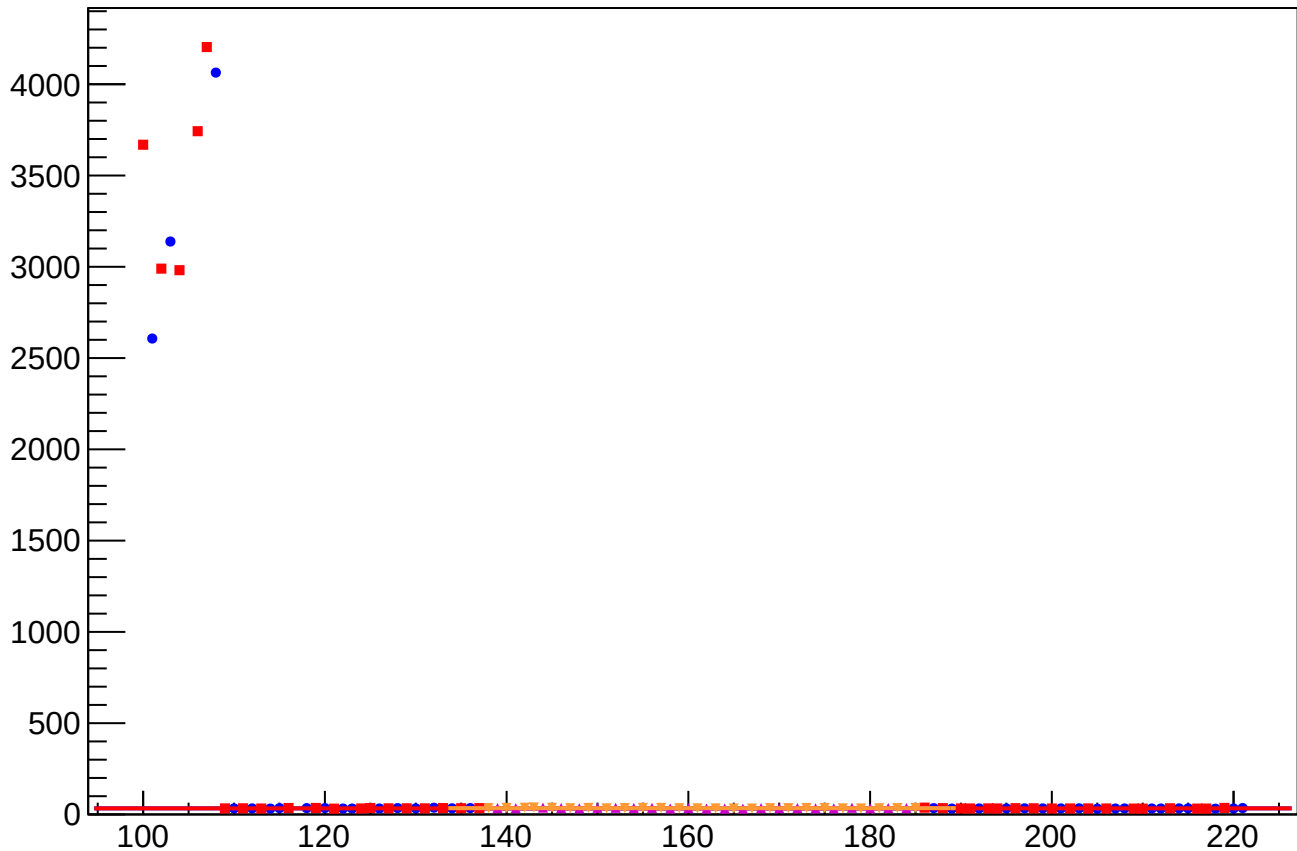
Left In: 6.001 ± 8.309 χ^2/NDF : 21.1/22

+ sign -9.260 ± 5.597 χ^2/NDF : 72.0/59

All: -1.706 ± 4.012 χ^2/NDF : 135.0/119

- sign 6.282 ± 5.755 χ^2/NDF : 59.3/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.360 $\pm$ 0.005 χ^2 /NDF: 3029680.4/34

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

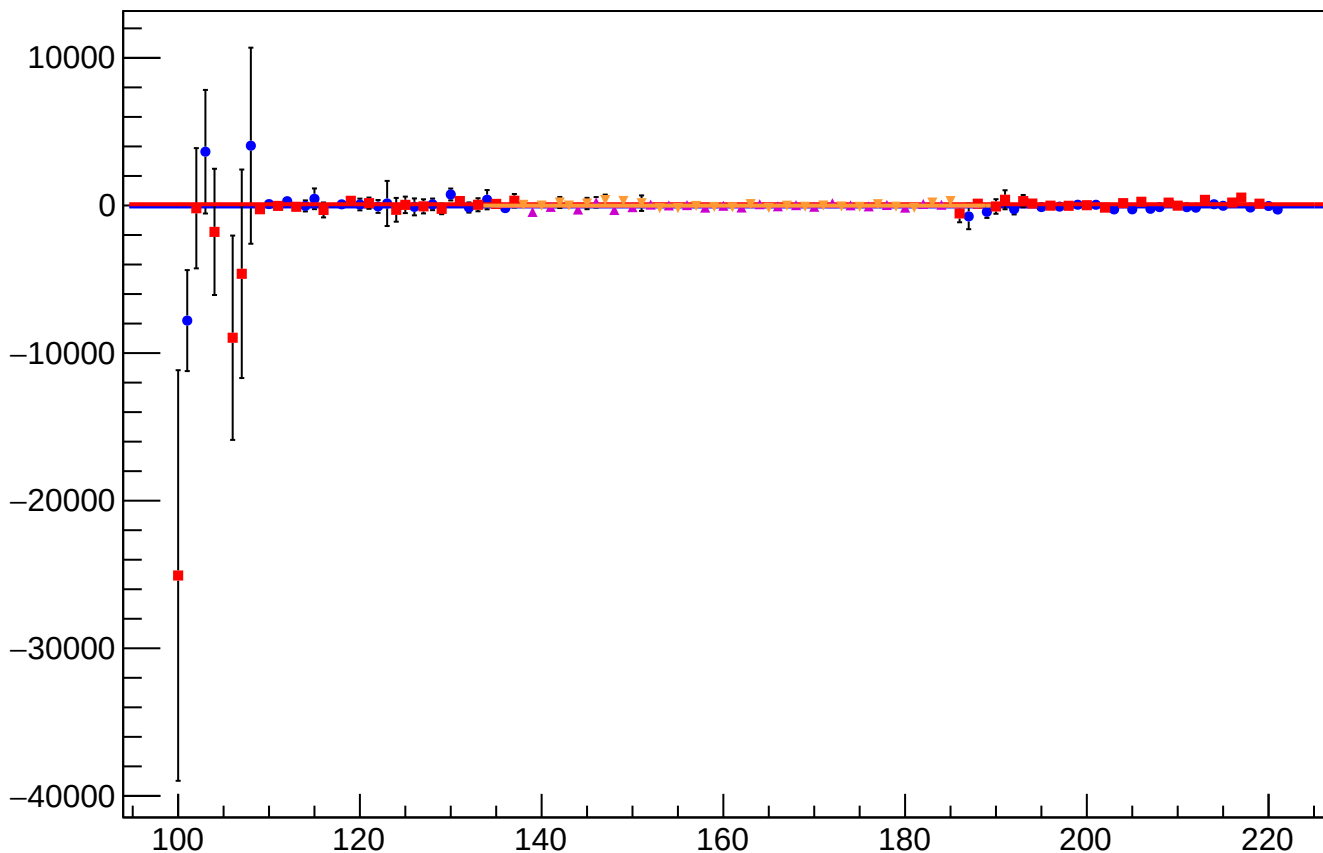
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 33.964 $\pm$ 0.004 χ^2 /NDF: 3112692.6/59

All: 34.000 $\pm$ 0.003 χ^2 /NDF: 6682200.7/119

- 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: -67.088 ± 42.637 χ^2/NDF : 22.8/34

Left Out: -8.916 ± 48.615 χ^2/NDF : 8.6/24

Right Out: 84.262 ± 43.800 χ^2/NDF : 23.6/36

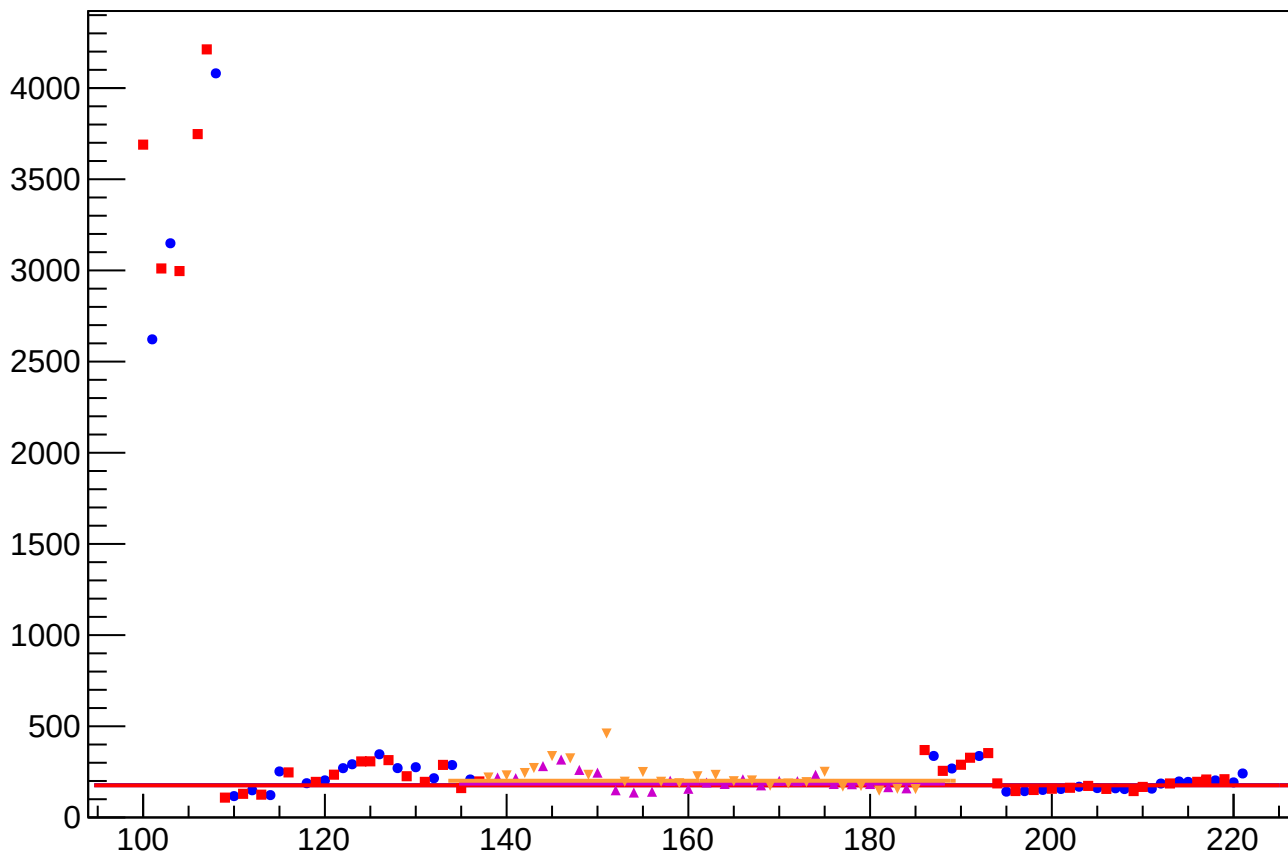
Left In: -34.127 ± 46.296 χ^2/NDF : 7.4/22

+ sign -41.797 ± 32.055 χ^2/NDF : 32.2/59

All: -6.465 ± 22.582 χ^2/NDF : 69.1/119

- sign 28.345 ± 31.817 χ^2/NDF : 34.4/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 177.002 $\pm$ 0.030 χ^2 /NDF: 4746001.8/34

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

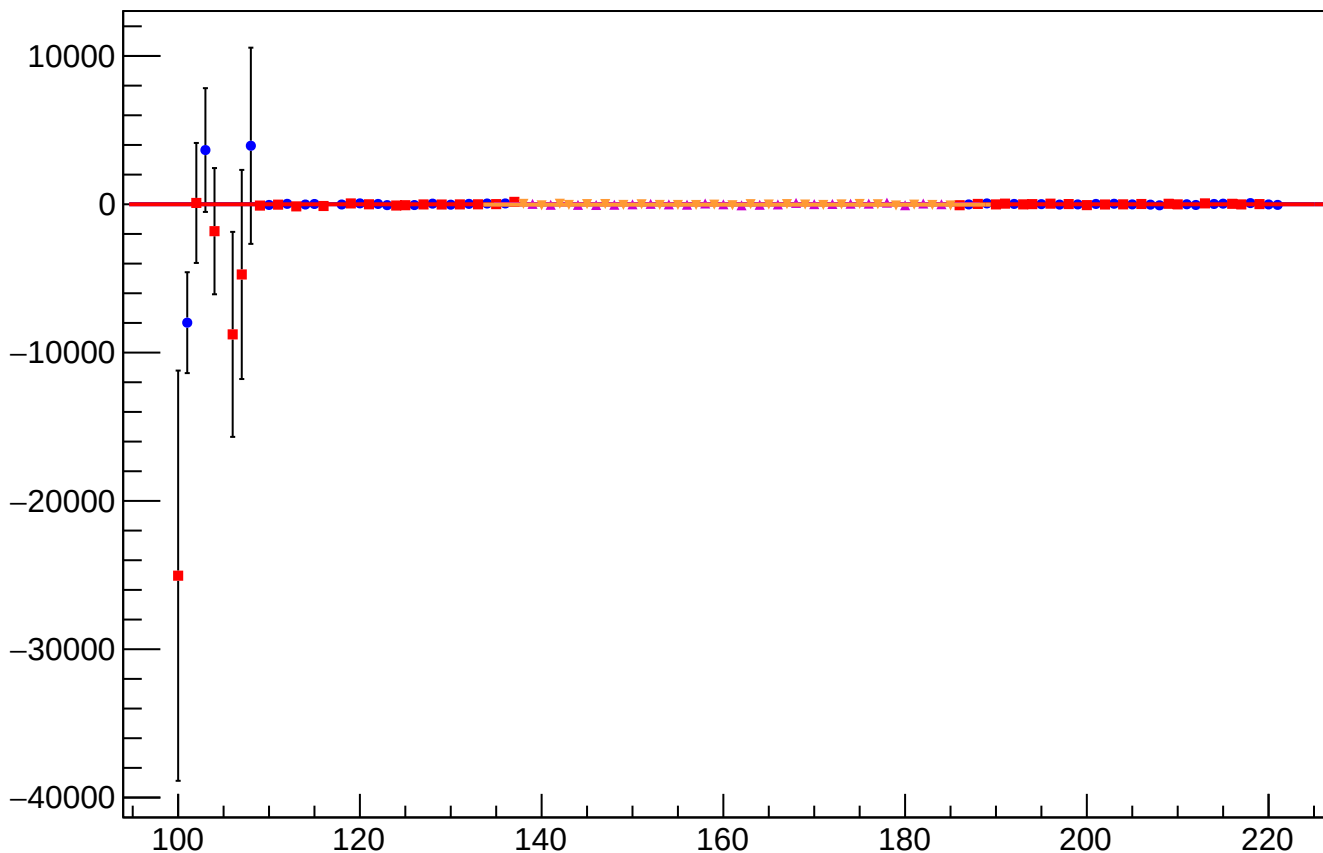
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 187.564 $\pm$ 0.023 χ^2 /NDF: 6879455.5/59

All: 184.105 $\pm$ 0.016 χ^2 /NDF: 13863934.4/138

- 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: 5.717+/-7.035 χ^2/NDF : 34.4/34

Left Out: -22.879+/-7.340 χ^2/NDF :18.8/24

Right Out: -0.398+/-7.220 χ^2/NDF : 42.9/36

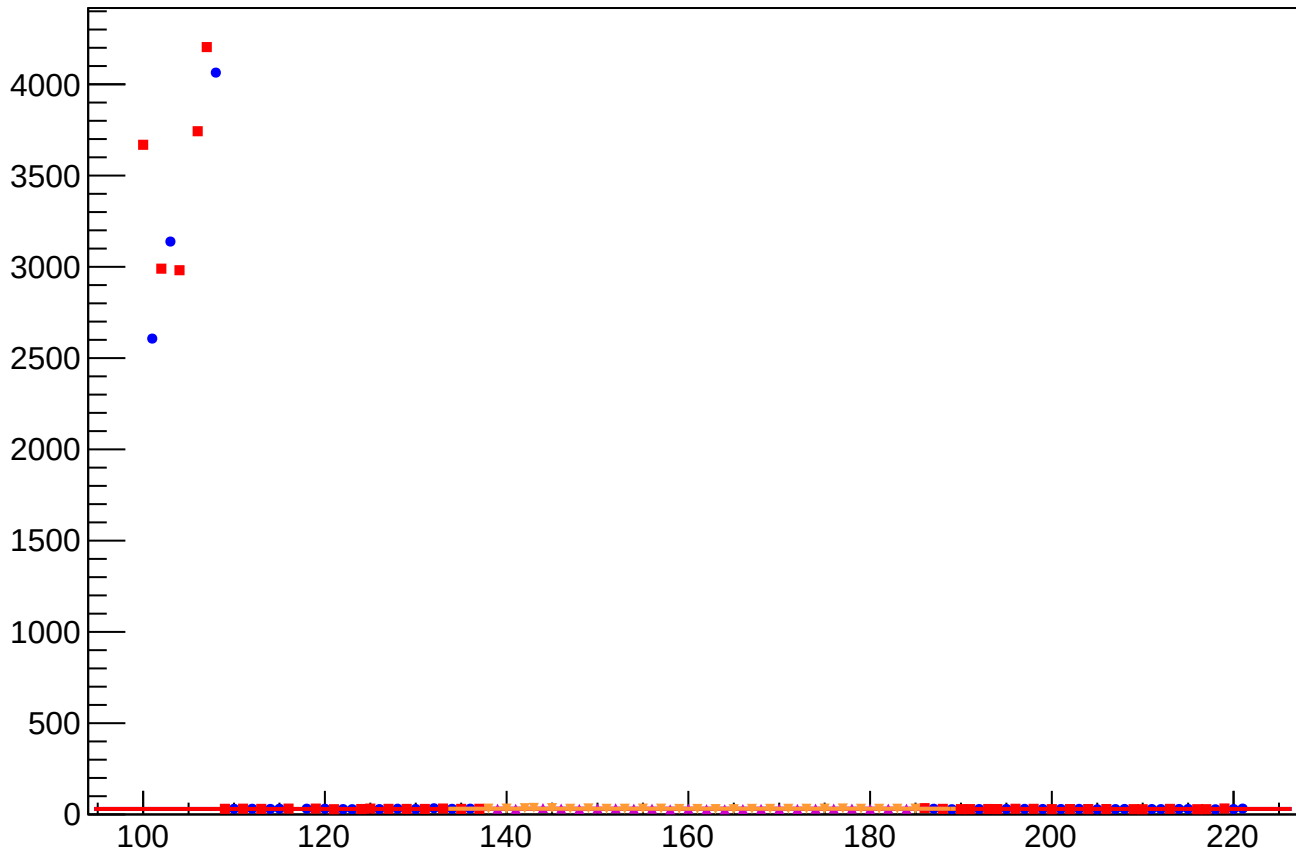
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -7.974+/-5.079 χ^2/NDF : 61.1/59

All: -2.815+/-3.639 χ^2/NDF : 144.8/119

- sign 2.631+/-5.218 χ^2/NDF : 81.6/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.176 $\pm$ 0.005 χ^2 /NDF: 3052757.7/34

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.231 $\pm$ 0.005 χ^2 /NDF: 3508630.3/36

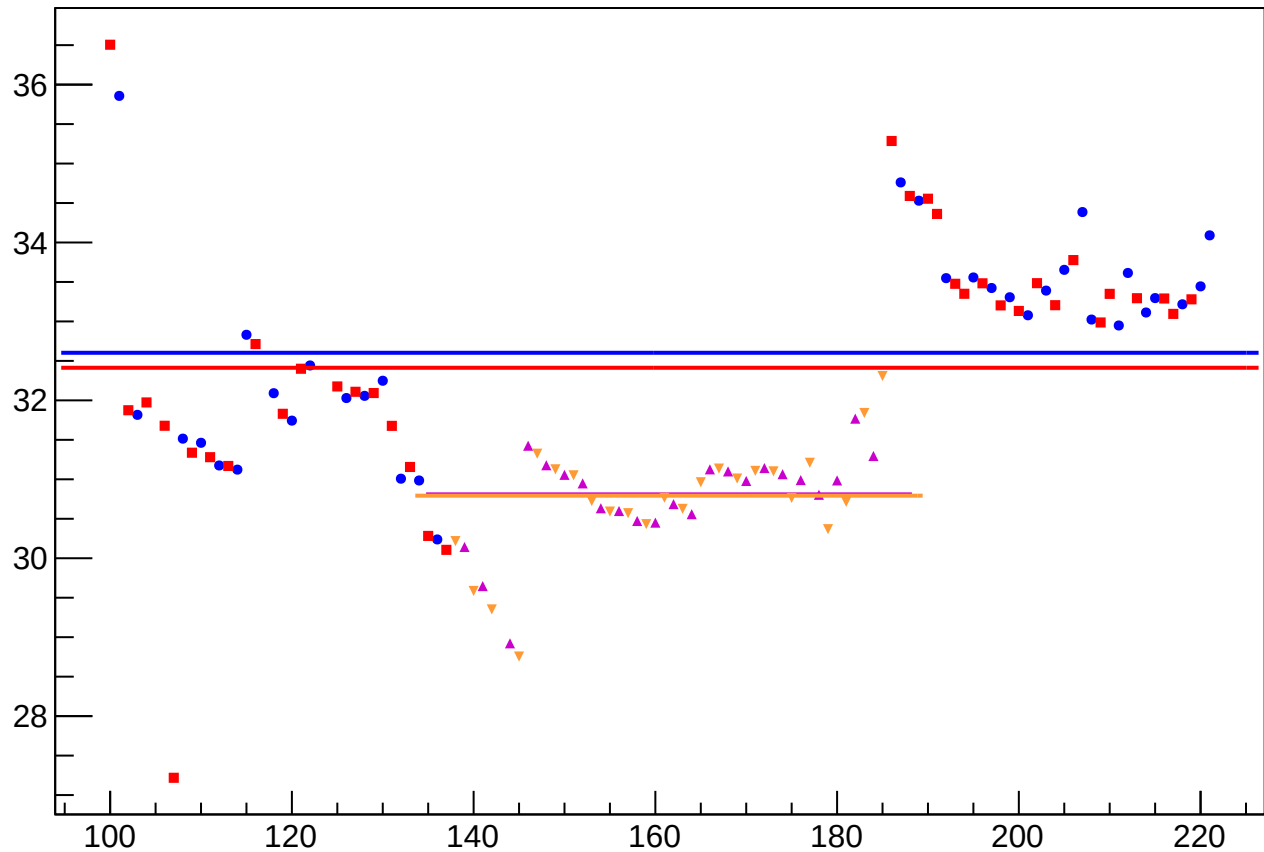
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 30.801 $\pm$ 0.004 χ^2 /NDF: 3168189.3/59

All: 30.815 $\pm$ 0.003 χ^2 /NDF: 6793647.2/119

- sign 30.829 $\pm$ 0.004 χ^2 /NDF: 3625427.5/59

yield_usl_mean vs Slug



Right In: 32.603 $\pm$ 0.000 χ^2 /NDF: 3370699817.0/33

Left Out: 30.793 $\pm$ 0.000 χ^2 /NDF: 1007261340.7/23

Right Out: 32.413 $\pm$ 0.000 χ^2 /NDF: 2719568705.6/35

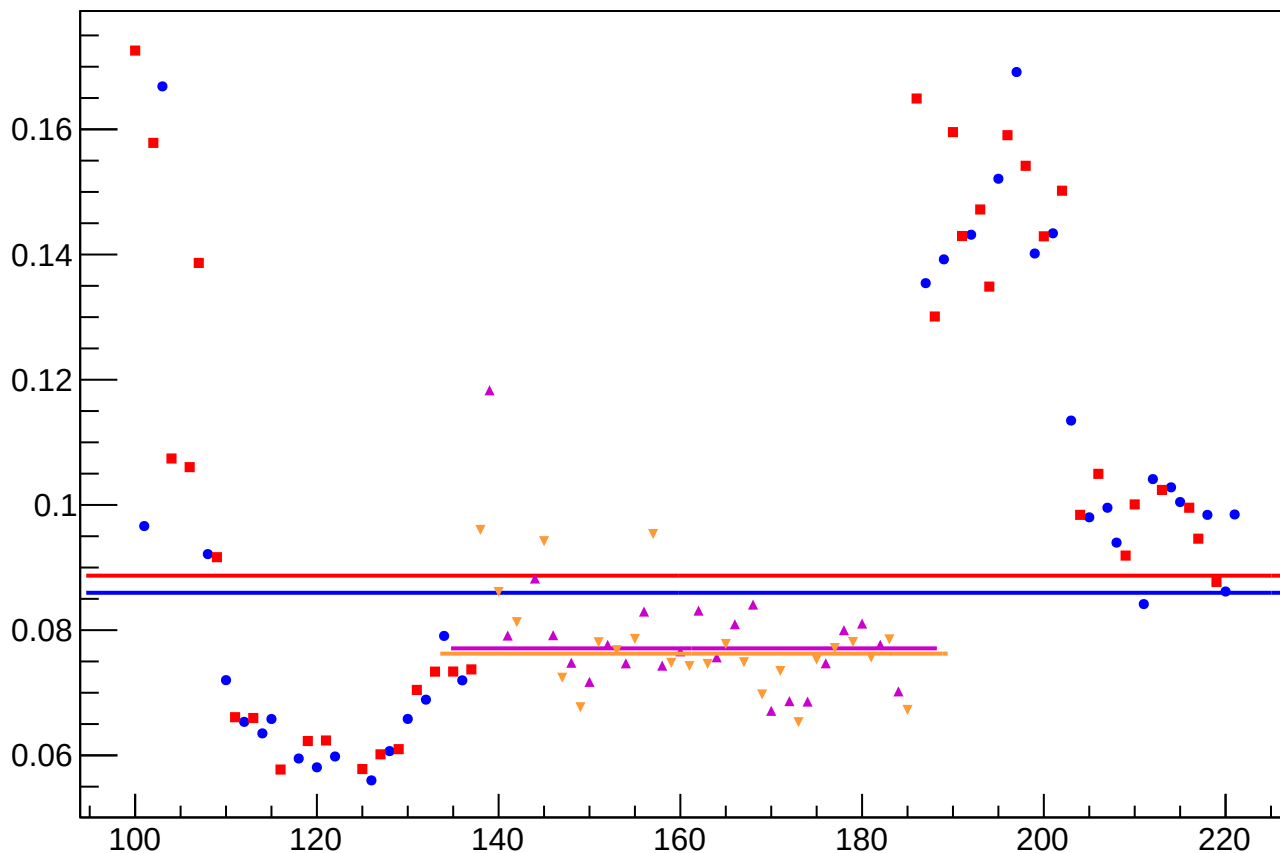
Left In: 30.809 $\pm$ 0.000 χ^2 /NDF: 821961762.3/22

+ sign 31.620 $\pm$ 0.000 χ^2 /NDF: 8509988710.8/57

All: 31.569 $\pm$ 0.000 χ^2 /NDF: 15094297063.6

- sign 31.514 $\pm$ 0.000 χ^2 /NDF: 6557050064.9/58

yield_usl_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF : 3333816.6/33

Left Out: 0.076+/-0.000 χ^2/NDF : 277876.5/23

Right Out: 0.089+/-0.000 χ^2/NDF : 3682932.1/35

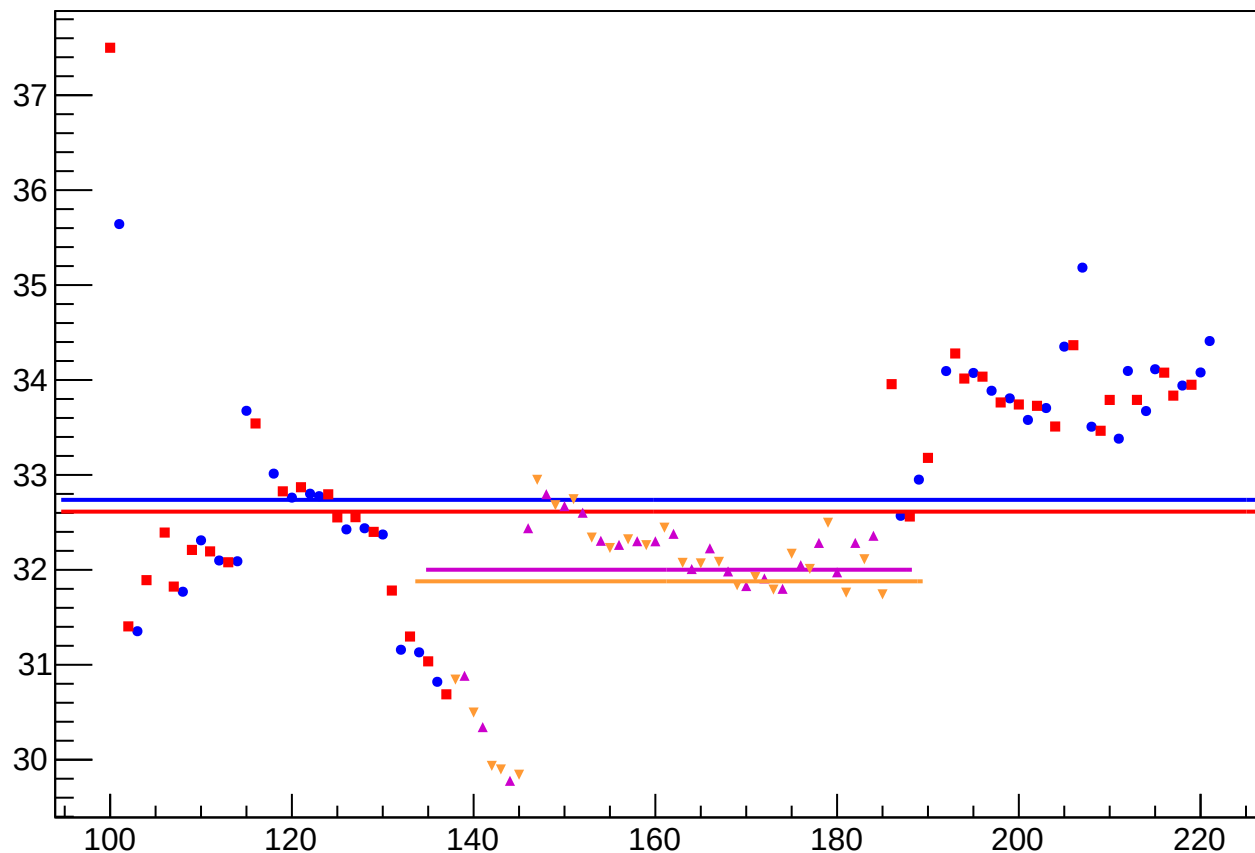
Left In: 0.077+/-0.000 χ^2/NDF : 325844.3/22

+ sign 0.081+/-0.000 χ^2/NDF : 3850023.2/57

All: 0.081+/-0.000 χ^2/NDF : 8186226.2/116

- sign 0.082+/-0.000 χ^2/NDF : 4325035.3/58

yield_usr_mean vs Slug



Right In: 32.737 $\pm$ 0.000 χ^2 /NDF: 1841948196.4/34

Left Out: 31.879 $\pm$ 0.000 χ^2 /NDF:1976281391.1/24

Right Out: 32.613 $\pm$ 0.000 χ^2 /NDF: 1079560555.3/35

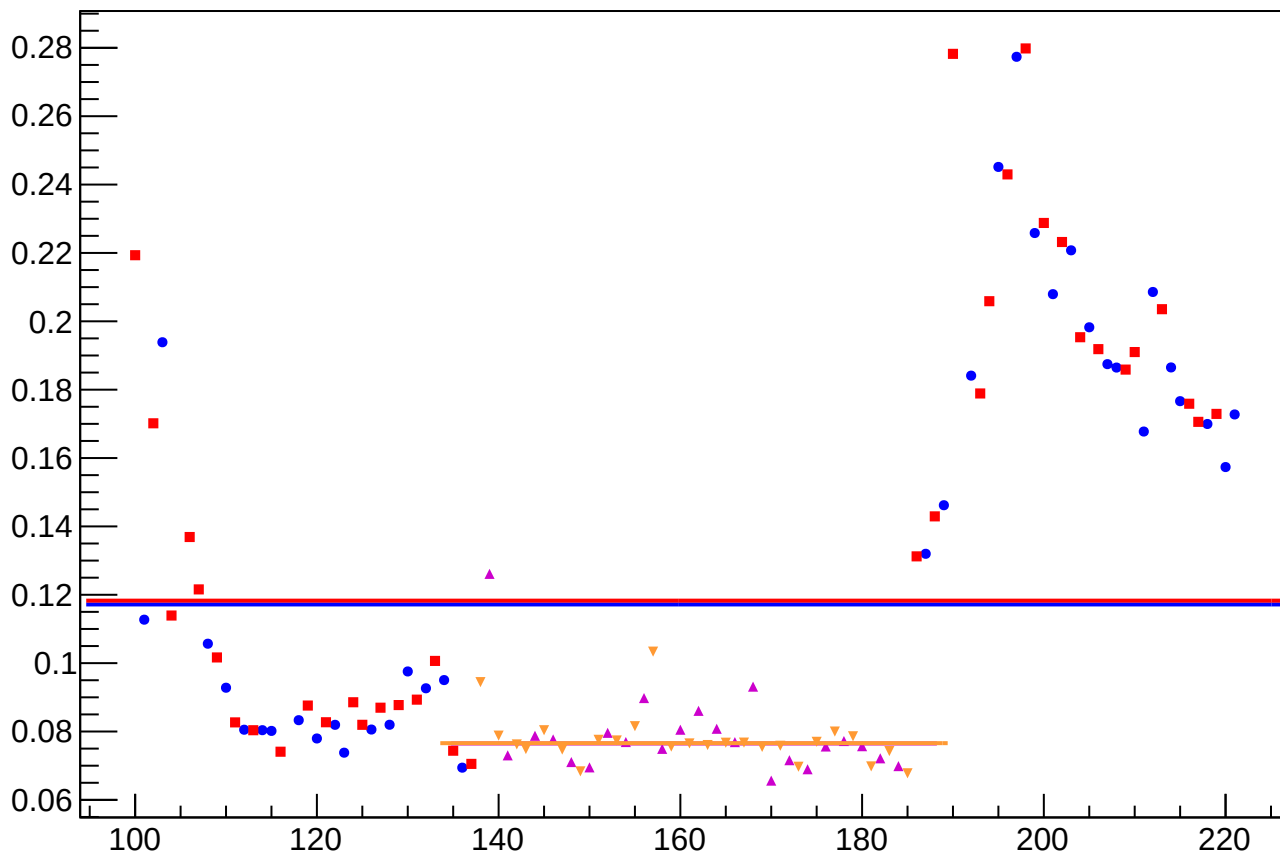
Left In: 32.001 $\pm$ 0.000 χ^2 /NDF:1411110671.9/22

+ sign 32.122 $\pm$ 0.000 χ^2 /NDF: 4418992009.9/59

All: 32.148 $\pm$ 0.000 χ^2 /NDF: 7206568028.4/1

- sign 32.175 $\pm$ 0.000 χ^2 /NDF: 2782213962.5/58

yield_usr_rms vs Slug



Right In: 0.117 $\pm$ 0.000 χ^2 /NDF: 6095382.7/34

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

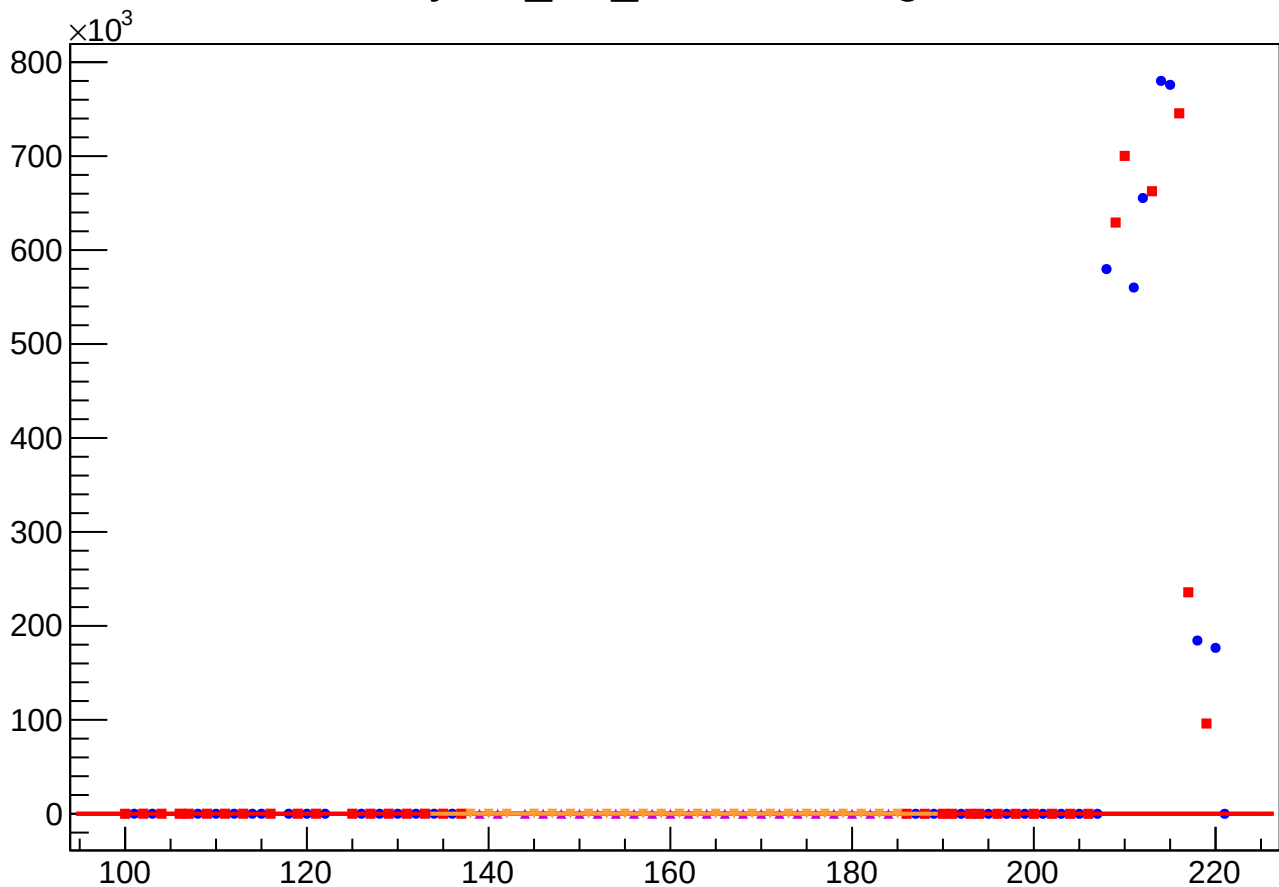
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 8991414.6/59

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 17692023.2/118

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 8700373.6/58

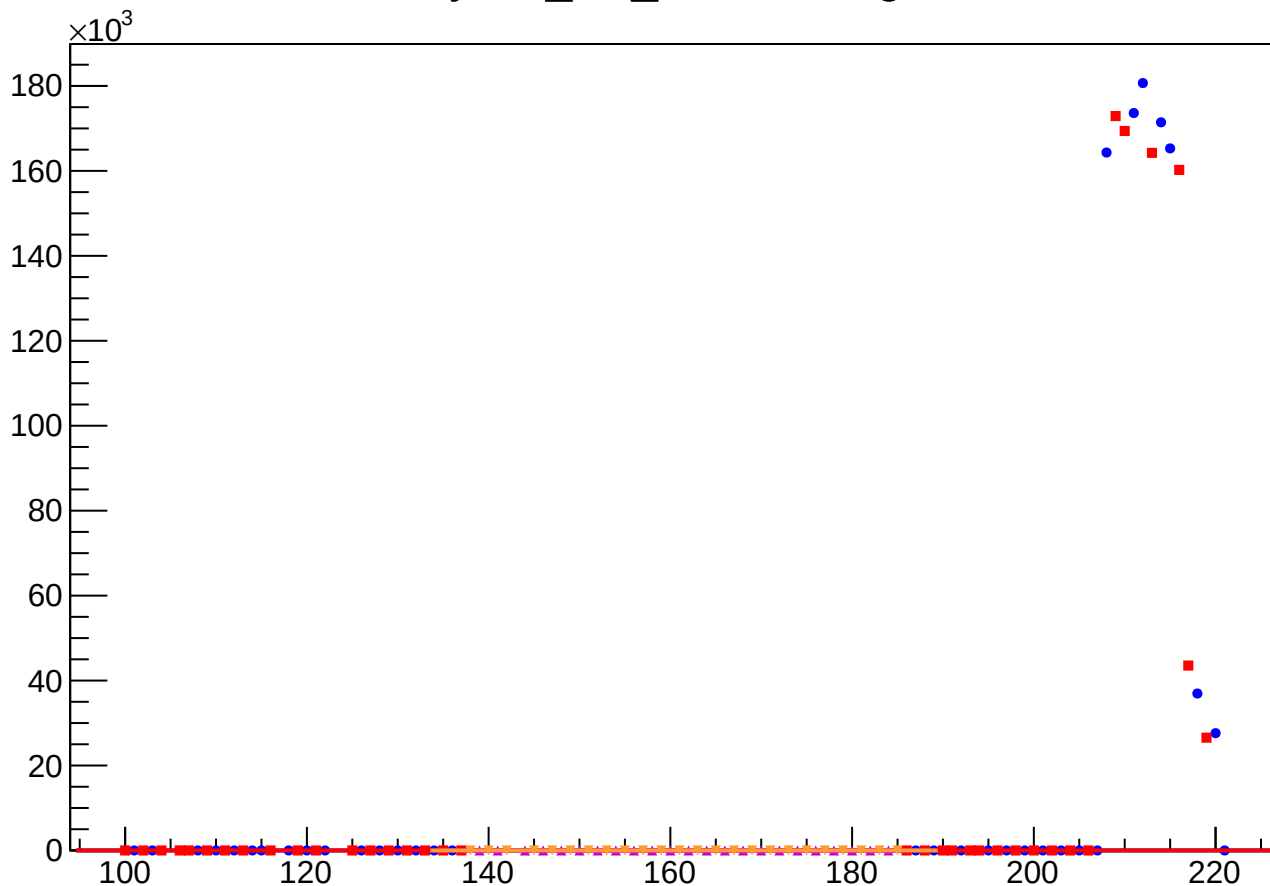
yield_dsl_mean vs Slug



Right In: 52.944 $\pm$ 0.000 χ^2 /NDF: 11400771048043.2/33
 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 70.531 $\pm$ 0.000 χ^2 /NDF: 14658264910308.9
 All: 69.906 $\pm$ 0.000 χ^2 /NDF: 2996060564059
 - 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: 10059794.0/33

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

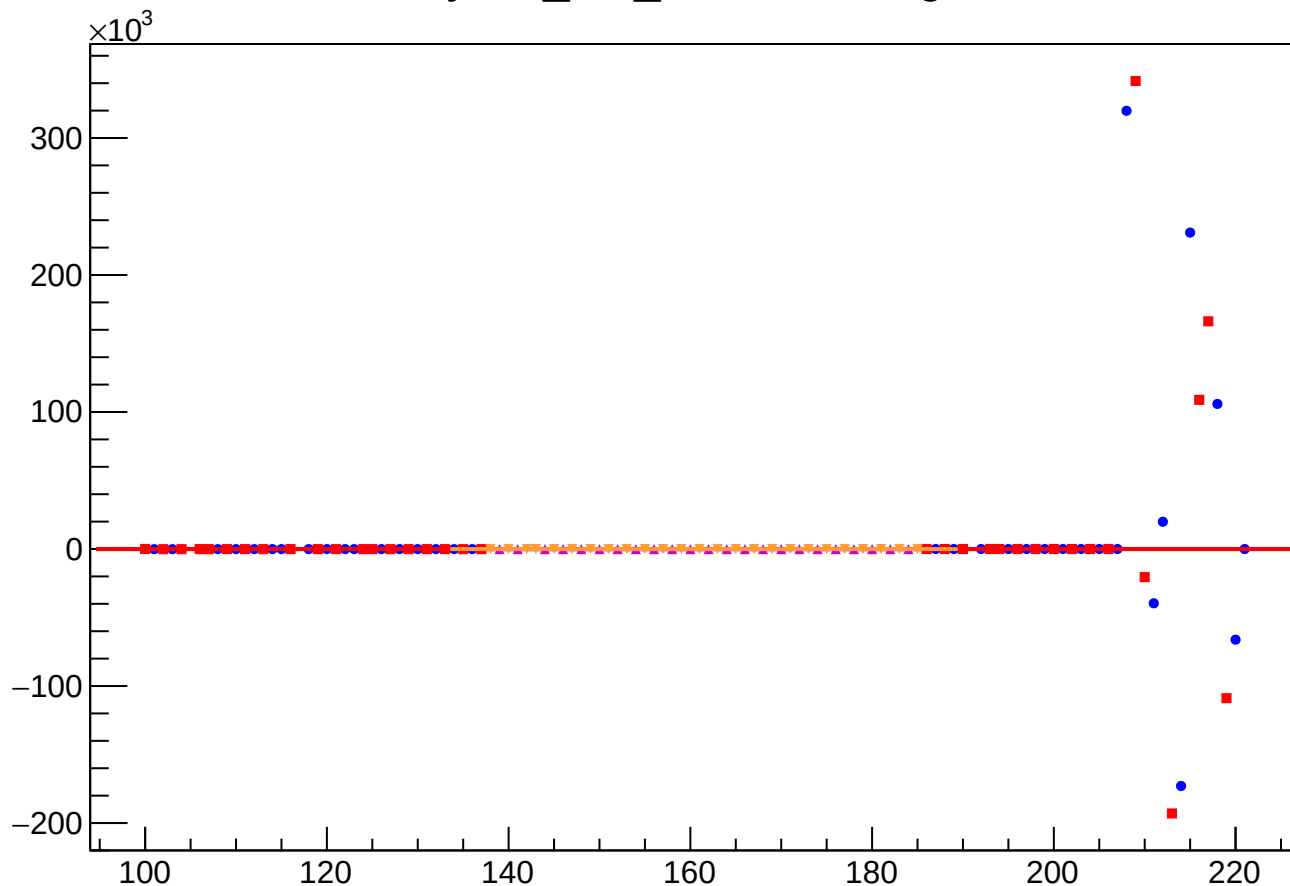
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.046 $\pm$ 0.000 χ^2 /NDF: 10295429.4/57

All: 0.046 $\pm$ 0.000 χ^2 /NDF: 19233356.1/116

- sign 0.046 $\pm$ 0.000 χ^2 /NDF: 8936566.8/58

yield_dsr_mean vs Slug



Right In: -28.423+/-0.000 χ^2/NDF : 7715176965080.7/34

Left Out: -69.461+/-0.000 χ^2/NDF : 49572401.9/24

Right Out: -28.760+/-0.000 χ^2/NDF : 7325686267870.0/35

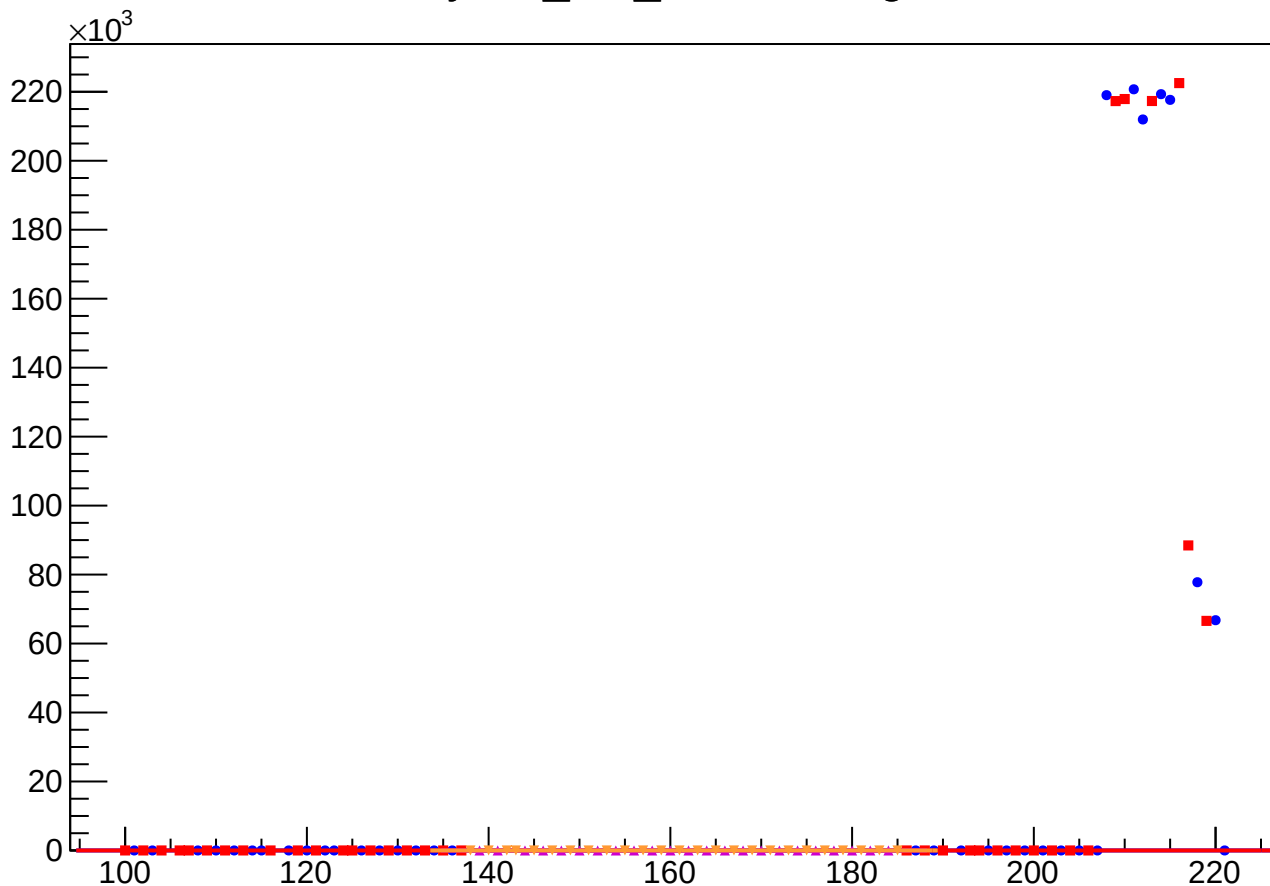
Left In: -69.458+/-0.000 χ^2/NDF : 52798704.3/22

+ sign -50.131+/-0.000 χ^2/NDF : 12340363942250.3

All: -49.764+/-0.000 χ^2/NDF : 241208021990

- sign -49.388+/-0.000 χ^2/NDF : 11777434409846.6

yield_dsr_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 10020347.2/34

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

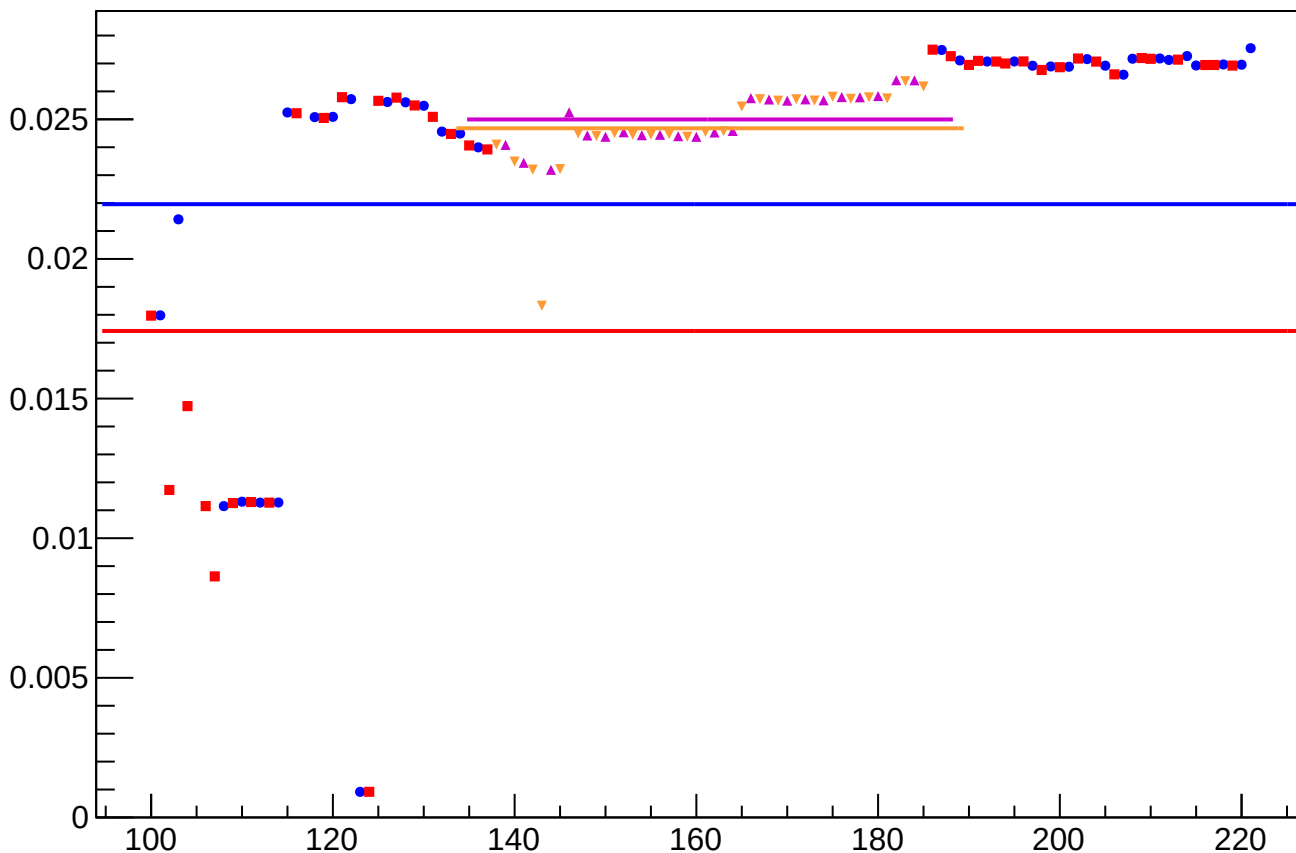
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 10117677.5/59

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 18838029.1/118

- 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: 212088057630.3/34

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

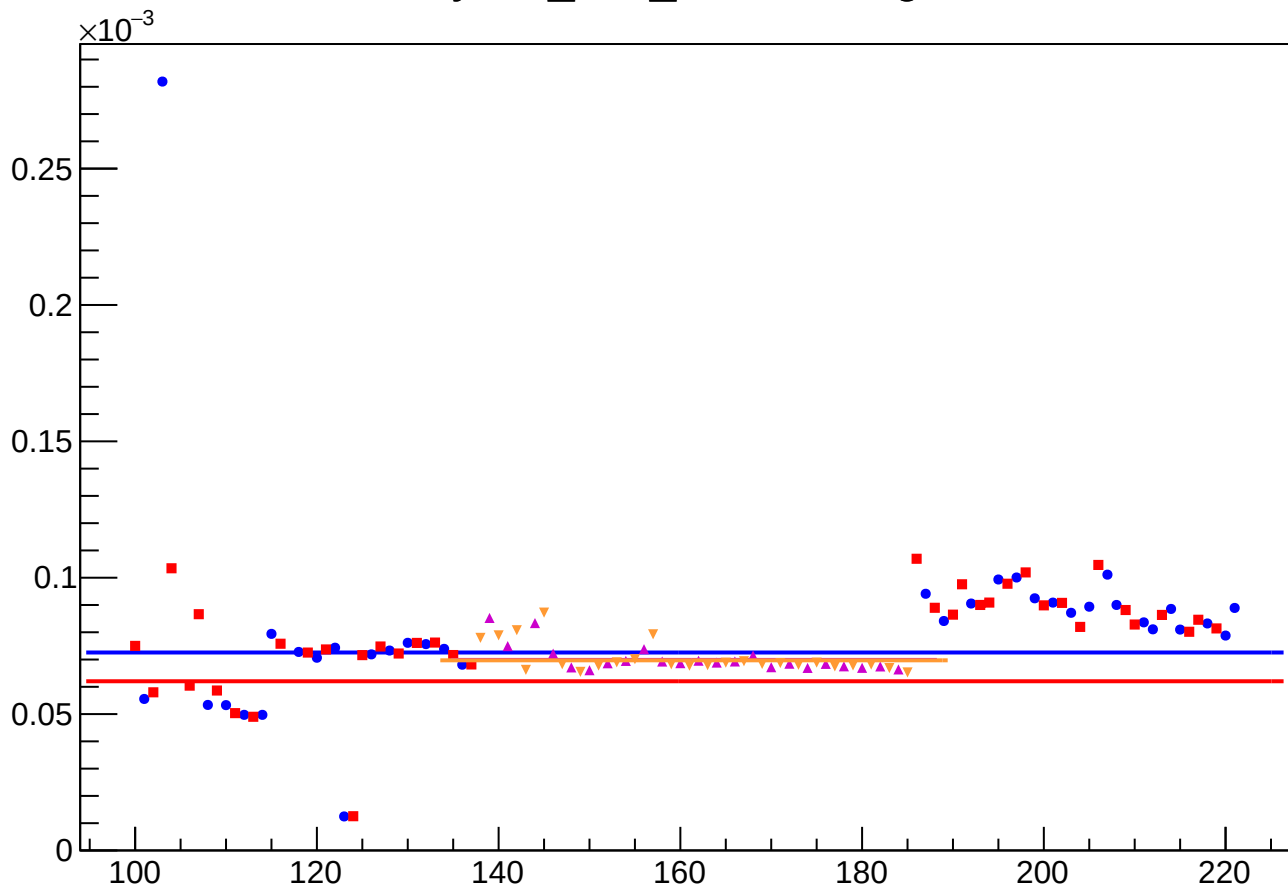
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF:2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 234726266763.7/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 828173625612.2

- 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: 3753564.1/34

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

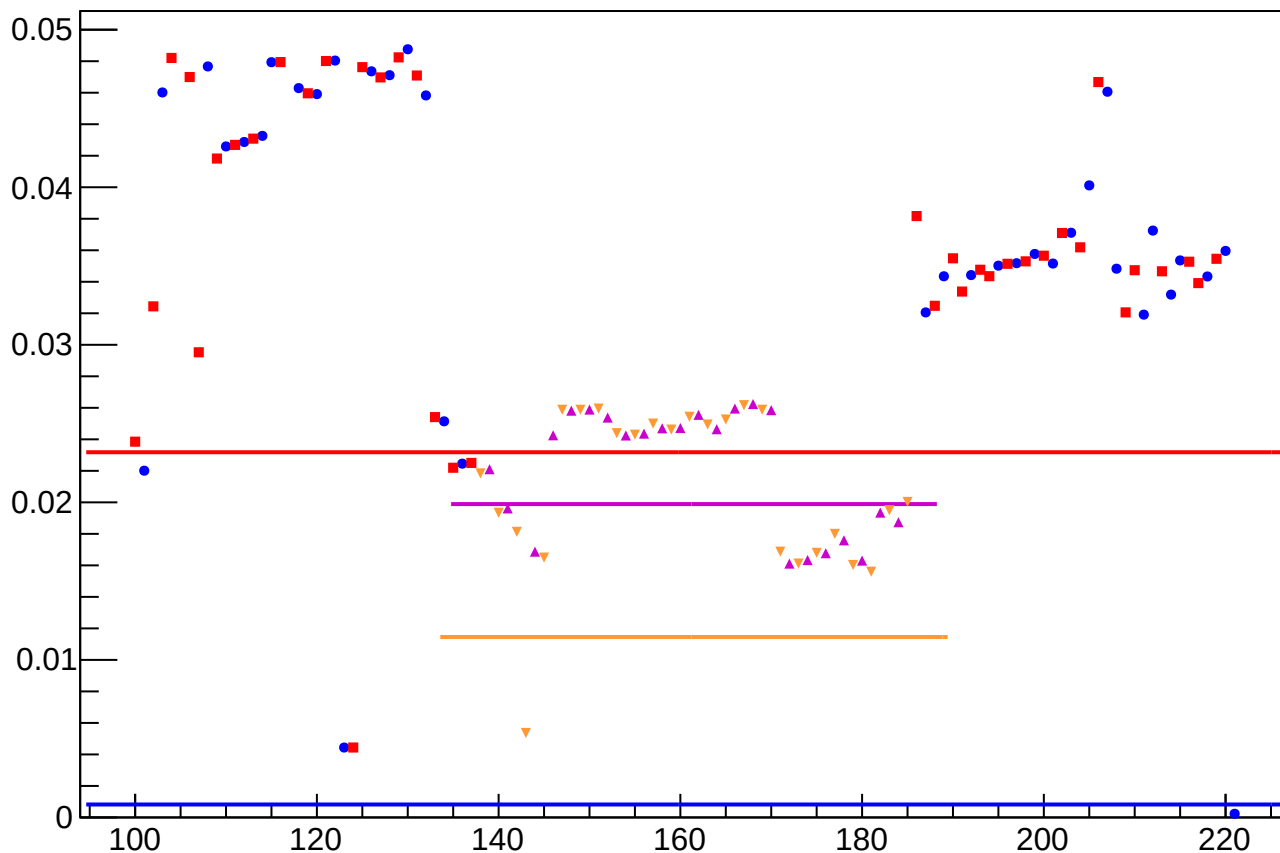
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:129289.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3940617.0/59

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 11904312.9/119

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7757671.0/59

yield_atl2_mean vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 123172165300.1/34

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

Right Out: 0.023+/-0.000 χ^2/NDF : 45767651500.8/36

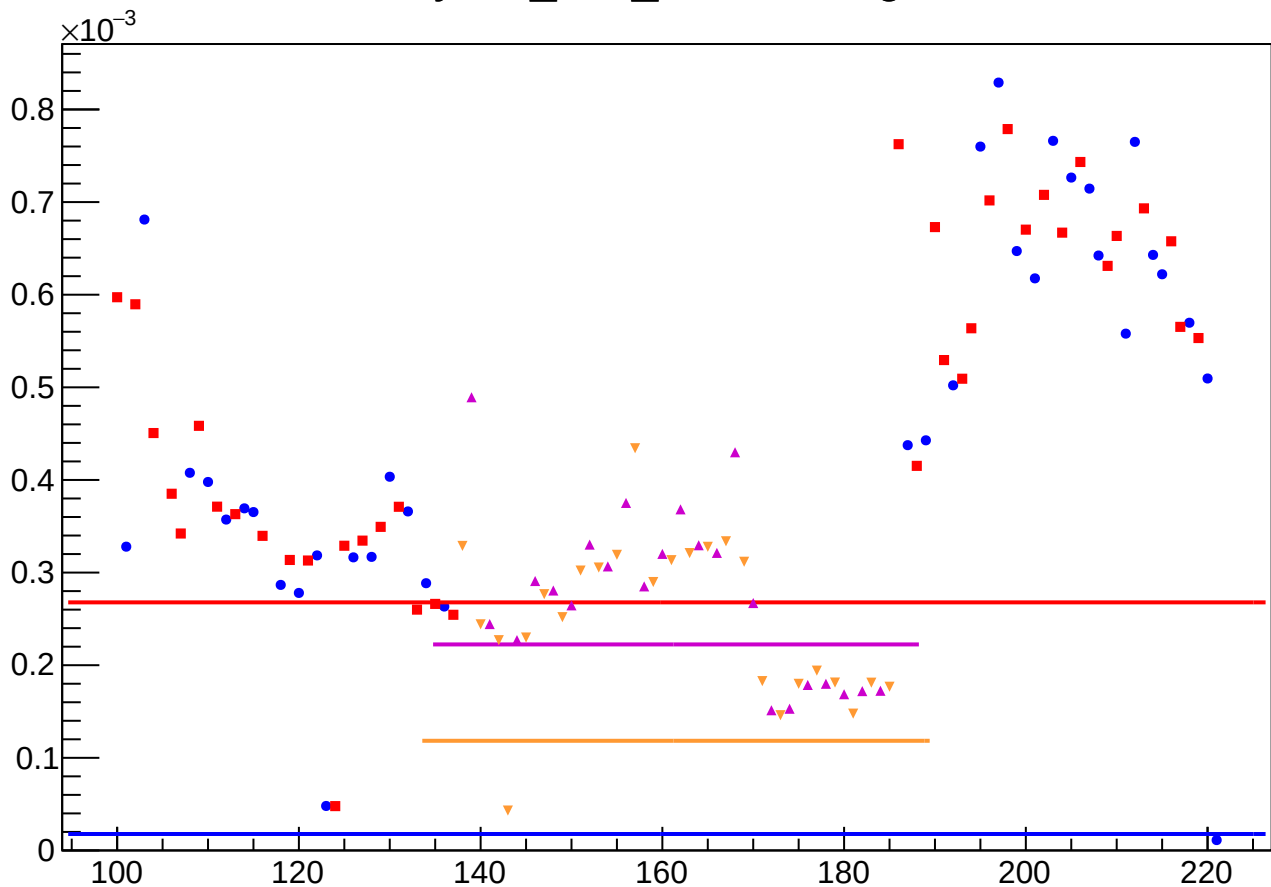
Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 235016487457.2/59

All: 0.003+/-0.000 χ^2/NDF : 434191615947.6

- sign 0.021+/-0.000 χ^2/NDF : 51293916484.9/59

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 33318878.6/34

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14844664.7/36

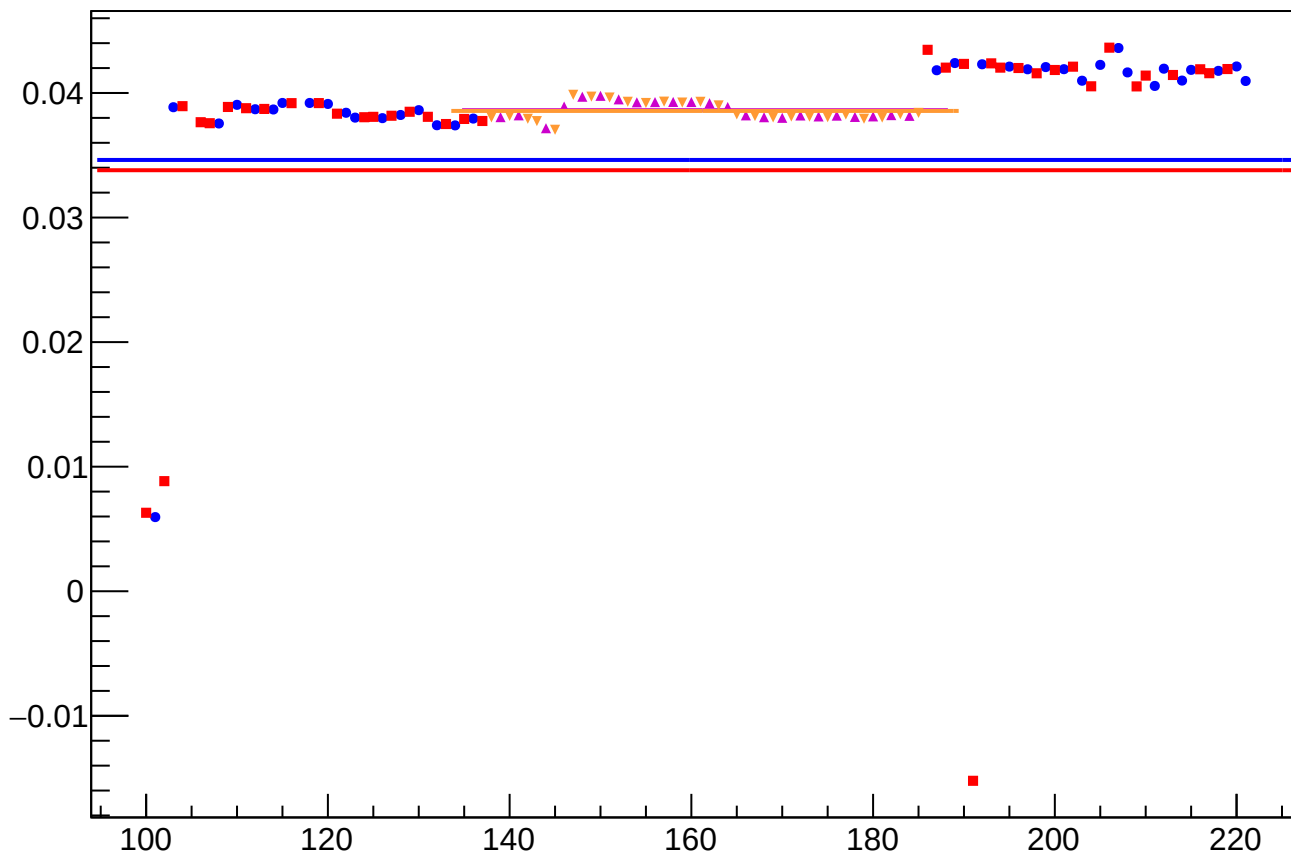
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 59707425.6/59

All: 0.000+/-0.000 χ^2/NDF : 113997662.8/119

- sign 0.000+/-0.000 χ^2/NDF : 18532356.4/59

yield_atr1_mean vs Slug



Right In: 0.035 $\pm$ 0.000 χ^2 /NDF: 124862974811.0/34

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

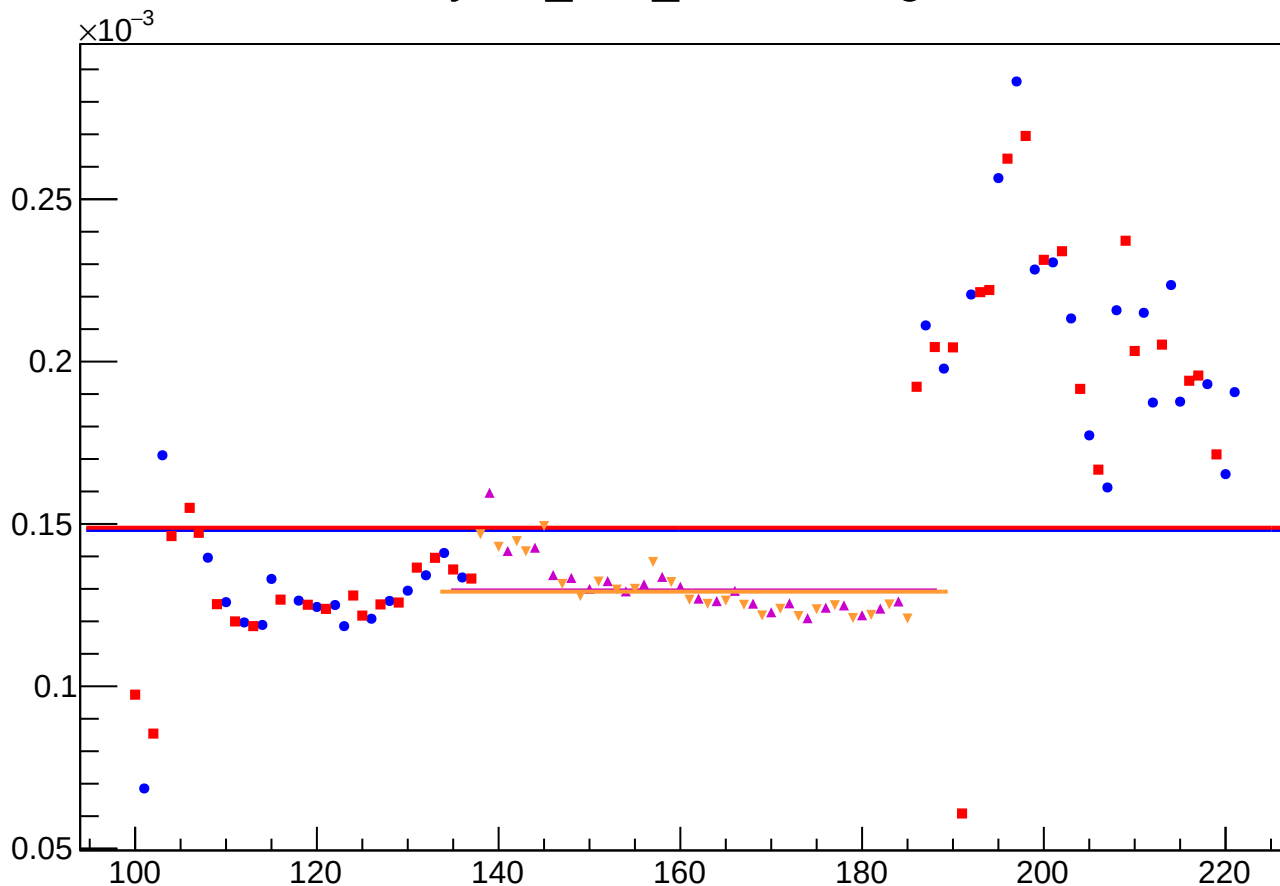
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 132437739042.4/59

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 331730860217.0

- 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: 4090572.6/34

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

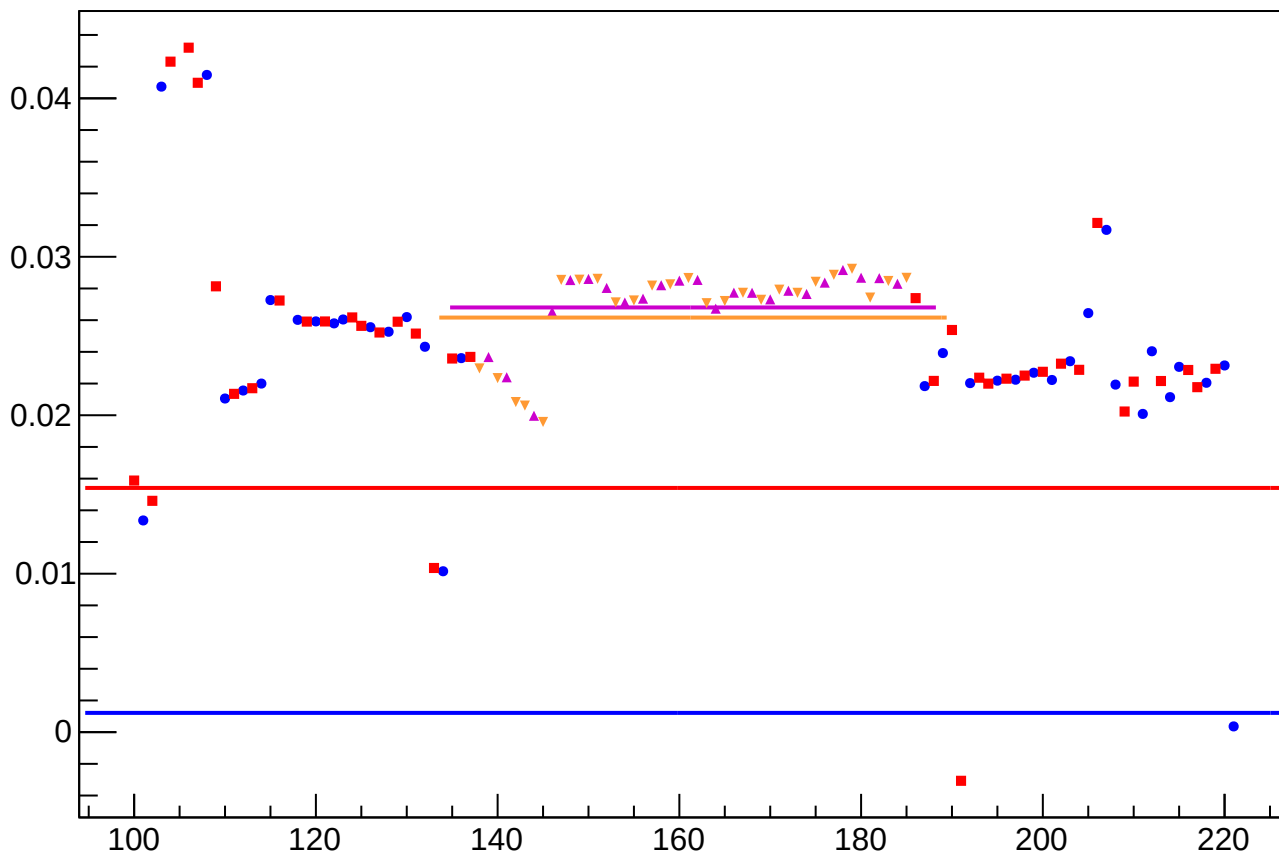
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4548677.8/59

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8700812.6/119

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4151393.4/59

yield_atr2_mean vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 65112578403.1/34

Left Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 2056710635.1/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 32135187914.2/36

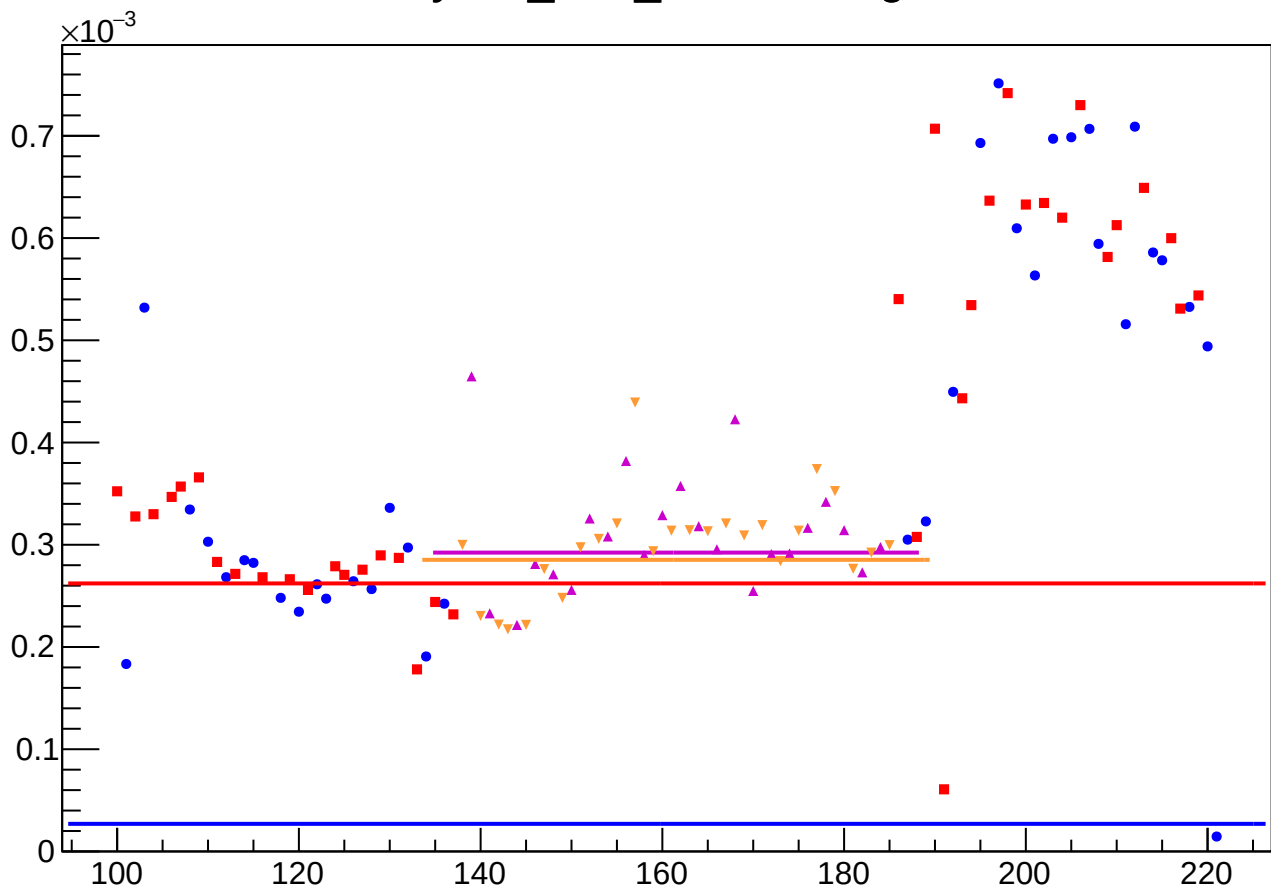
Left In: 0.027 $\pm$ 0.000 χ^2 /NDF: 1332033607.7/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 185349765177.6/59

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 343862663977.1

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 45204276434.4/59

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 31908942.7/34

Left Out: 0.000+/-0.000 χ^2/NDF : 813464.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11627707.8/36

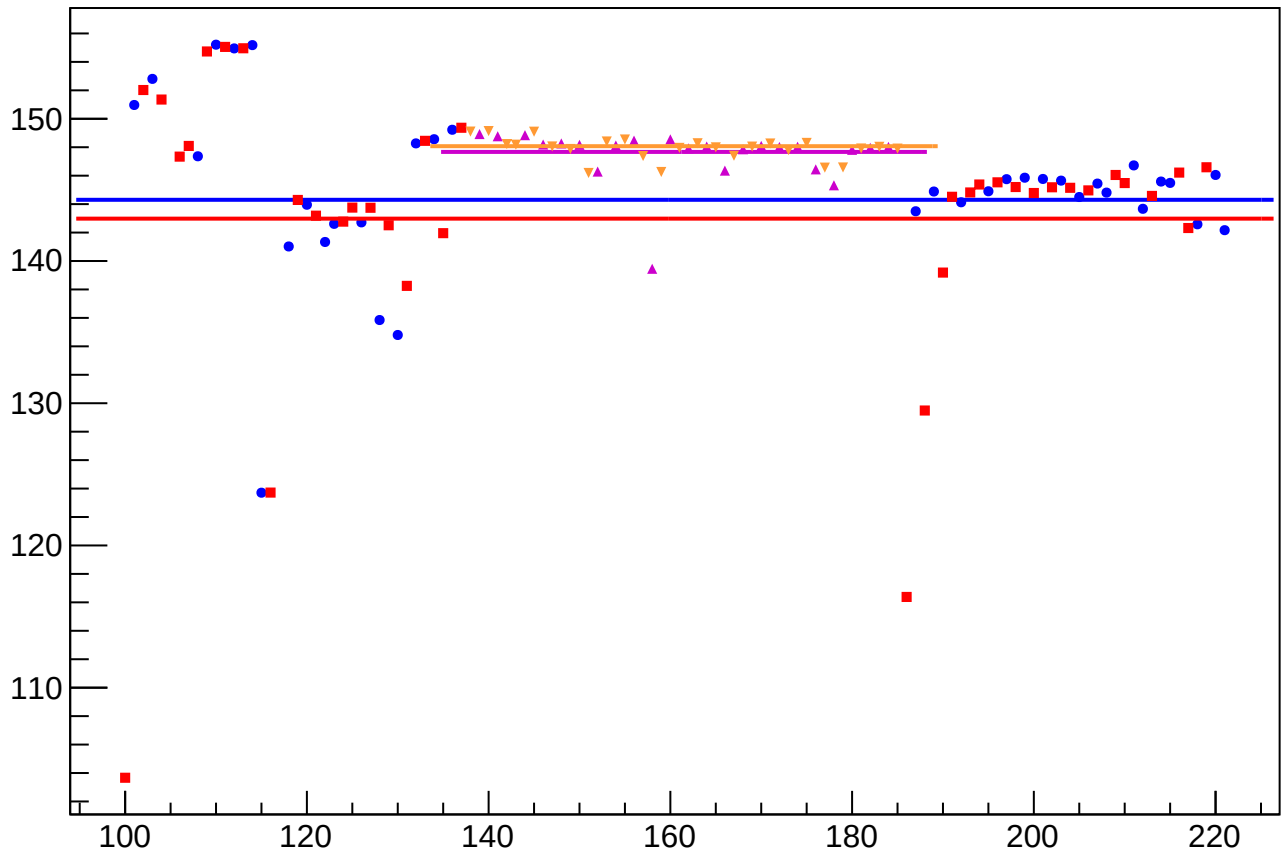
Left In: 0.000+/-0.000 χ^2/NDF : 898772.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 58050339.5/59

All: 0.000+/-0.000 χ^2/NDF : 107236202.7/119

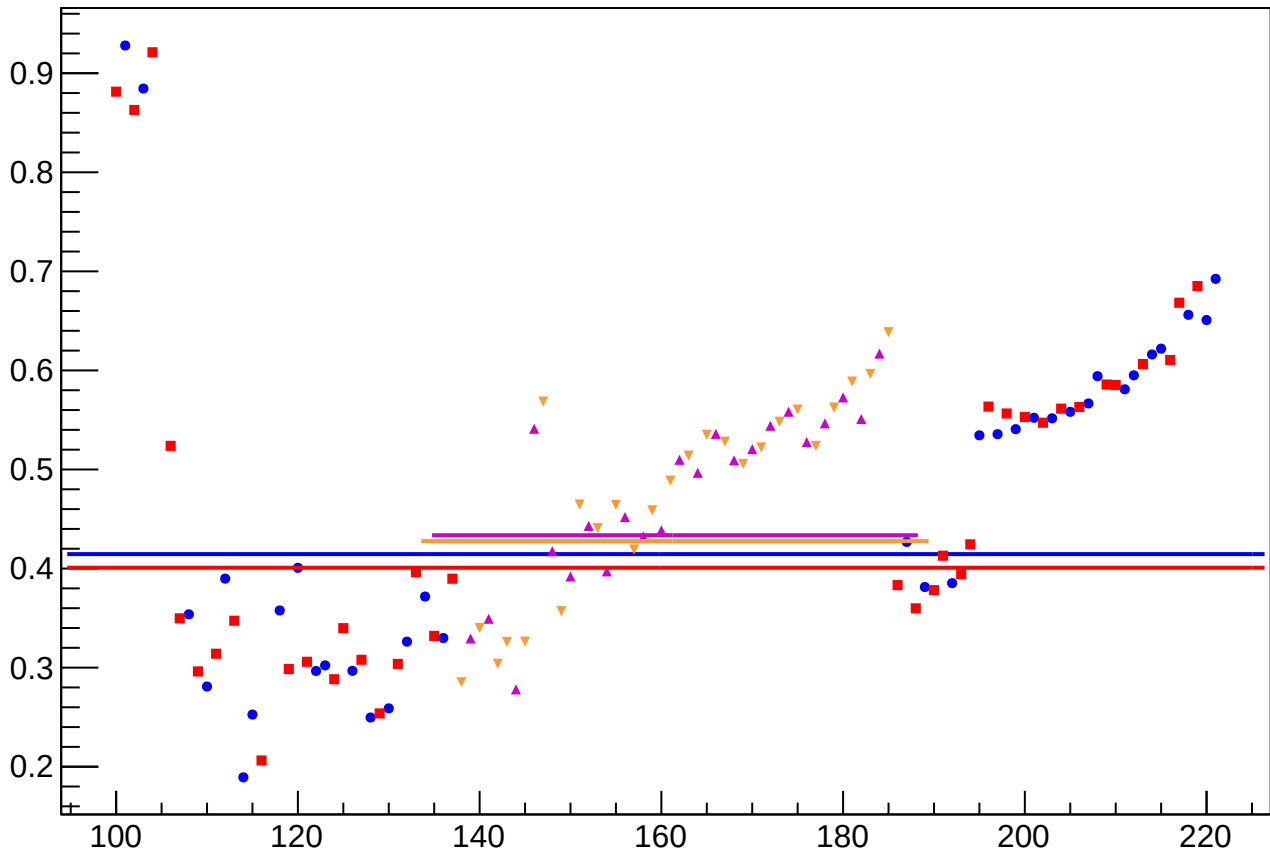
- sign 0.000+/-0.000 χ^2/NDF : 12691020.0/59

yield_bcm_an_ds_mean vs Slug



Right In: 144.304 $\pm$ 0.000	χ^2 /NDF: 3529573005.2/34	+ sign 146.136 $\pm$ 0.000	χ^2 /NDF: 4272615093.8/59
Left Out: 148.073 $\pm$ 0.000	χ^2 /NDF: 65614067.4/24	All: 145.622 $\pm$ 0.000	χ^2 /NDF: 13251797567.
Right Out: 142.979 $\pm$ 0.000	χ^2 /NDF: 7493022901.1/36	- sign 145.107 $\pm$ 0.000	χ^2 /NDF: 8878105613.1/59
Left In: 147.670 $\pm$ 0.000	χ^2 /NDF: 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.415 $\pm$ 0.000 χ^2 /NDF: 4387851.3/34

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1896808.7/24

Right Out: 0.401 $\pm$ 0.000 χ^2 /NDF: 3803366.0/36

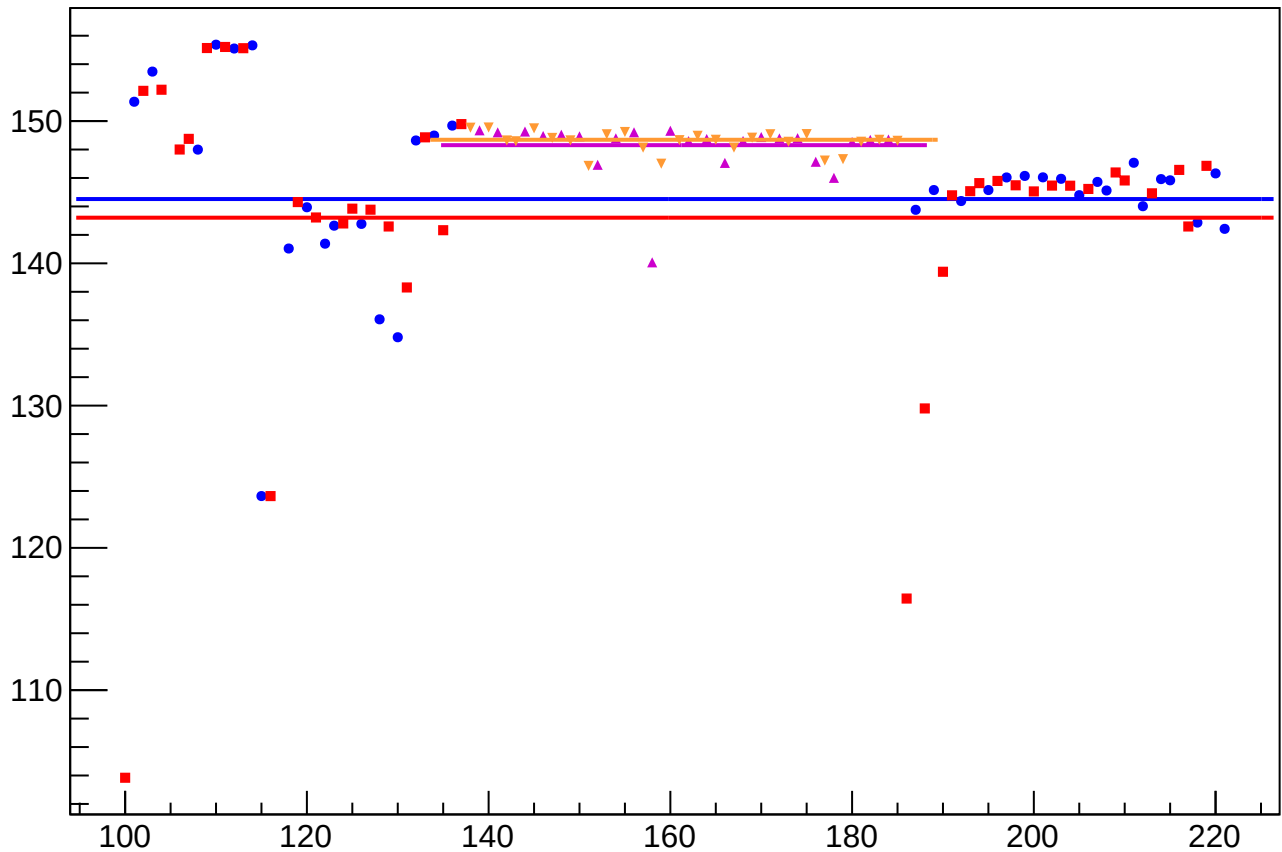
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

+ sign 0.421 $\pm$ 0.000 χ^2 /NDF: 6301110.6/59

All: 0.418 $\pm$ 0.000 χ^2 /NDF: 11708012.6/119

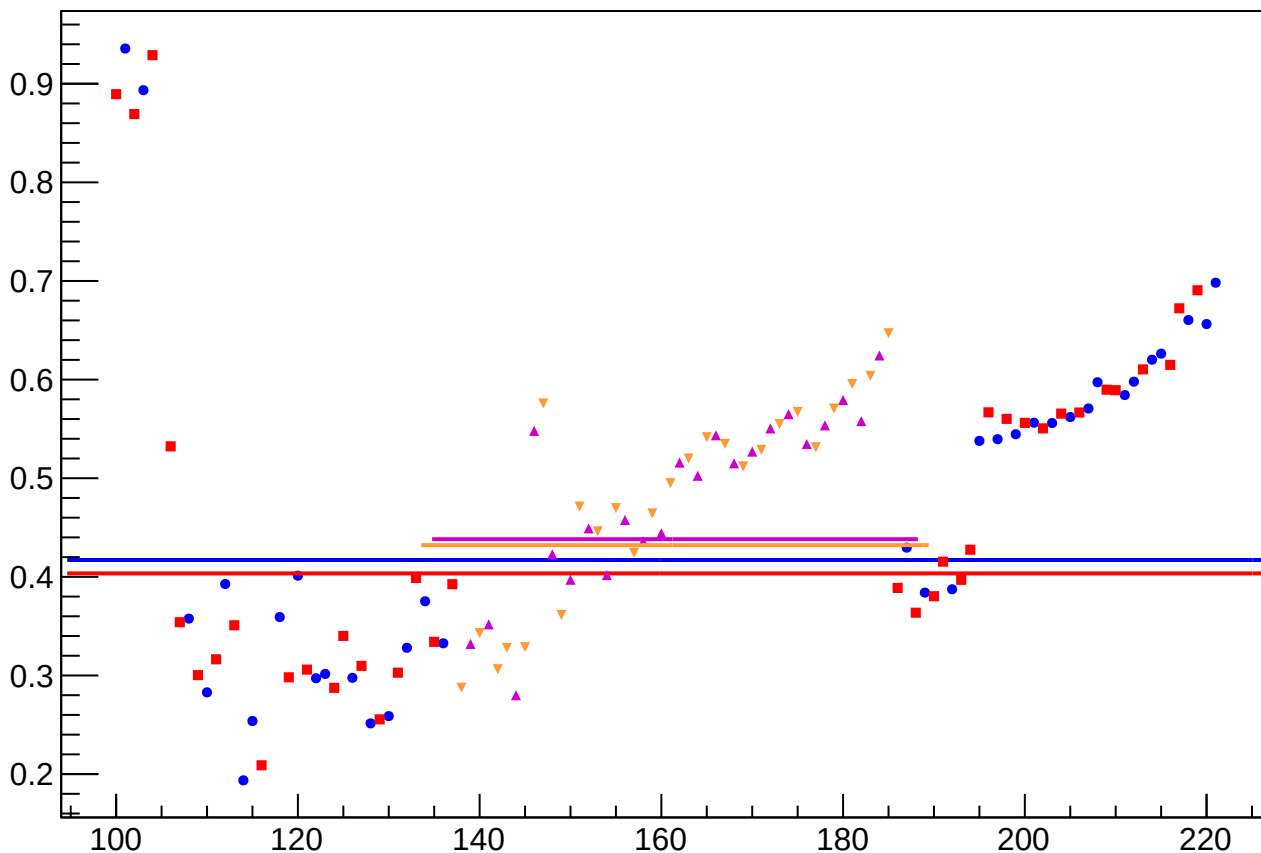
- sign 0.416 $\pm$ 0.000 χ^2 /NDF: 5401625.8/59

yield_bcm_an_ds3_mean vs Slug



Right In: 144.520 $\pm$ 0.000	χ^2 /NDF: 3580419325.8/34	+ sign 146.536 $\pm$ 0.000	χ^2 /NDF: 4446389039.1/59
Left Out: 148.686 $\pm$ 0.000	χ^2 /NDF: 52218185.1/24	All: 146.024 $\pm$ 0.000	χ^2 /NDF: 13530561120.
Right Out: 143.209 $\pm$ 0.000	χ^2 /NDF: 7445783904.2/36	- sign 145.511 $\pm$ 0.000	χ^2 /NDF: 8985647578.4/59
Left In: 148.307 $\pm$ 0.000	χ^2 /NDF: 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.417 ± 0.000 $\chi^2/\text{NDF}: 4400394.6/34$

Left Out: 0.432 ± 0.000 $\chi^2/\text{NDF}: 1929031.5/24$

Right Out: 0.404 ± 0.000 $\chi^2/\text{NDF}: 3807987.3/36$

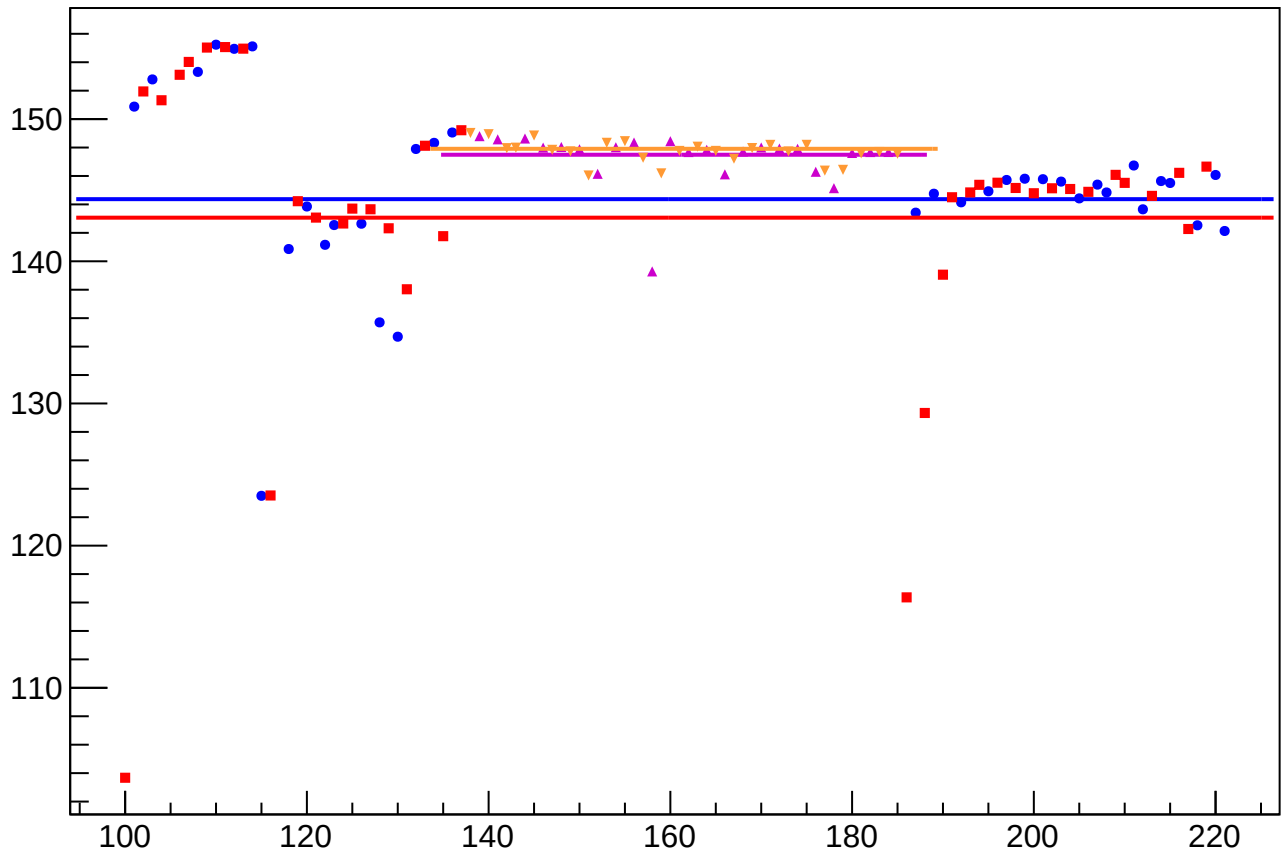
Left In: 0.438 ± 0.000 $\chi^2/\text{NDF}: 1521893.6/22$

+ sign 0.424 ± 0.000 $\chi^2/\text{NDF}: 6350631.7/59$

All: 0.422 ± 0.000 $\chi^2/\text{NDF}: 11797375.6/119$

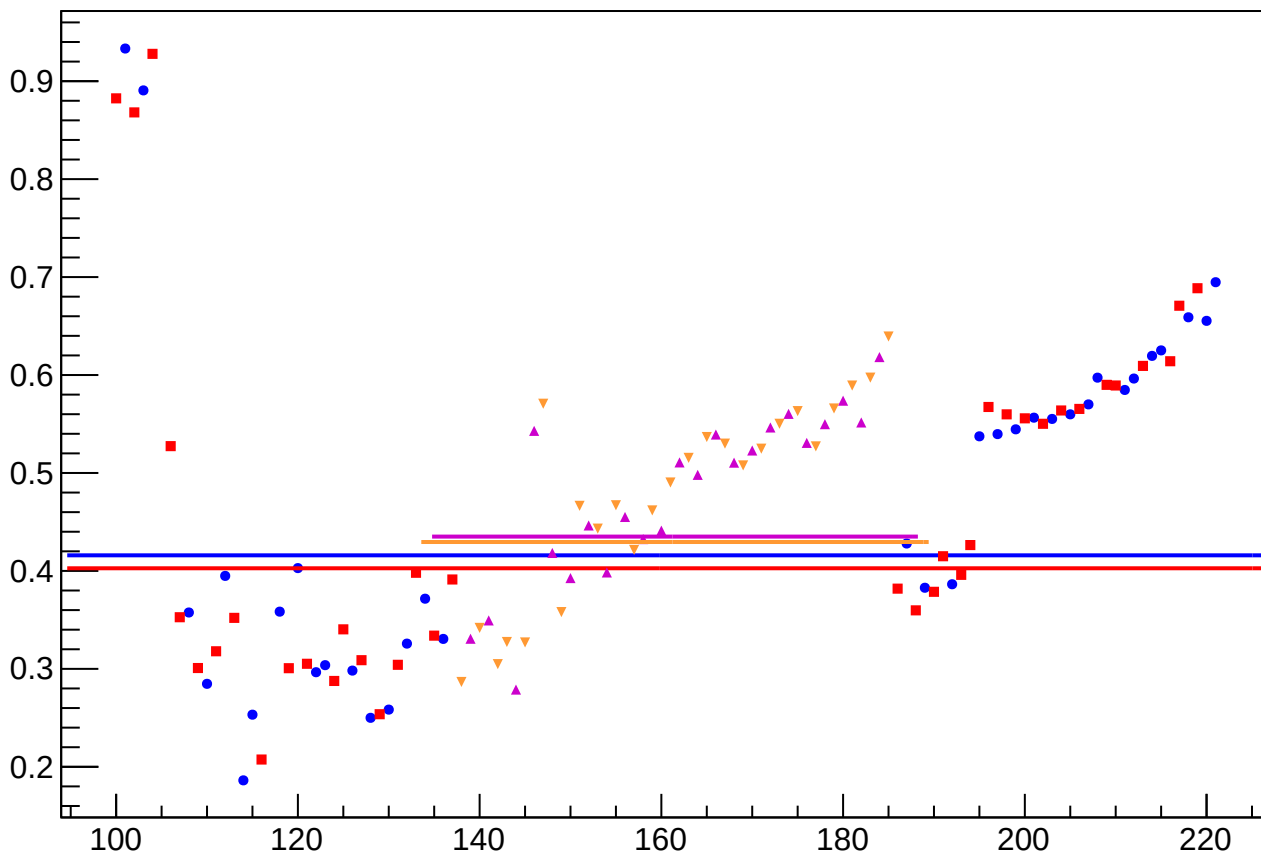
- sign 0.419 ± 0.000 $\chi^2/\text{NDF}: 5441685.1/59$

yield_bcm_an_us_mean vs Slug



Right In: 144.369+/-0.000	χ^2/NDF : 3736039256.8/34	+ sign 146.091+/-0.000	χ^2/NDF : 4393708091.4/59
Left Out: 147.911+/-0.000	χ^2/NDF : 64412407.9/24	All: 145.585+/-0.000	χ^2/NDF : 13619087647.
Right Out: 143.067+/-0.000	χ^2/NDF : 7865957569.8/36	- sign 145.078+/-0.000	χ^2/NDF : 9128288706.0/59
Left In: 147.493+/-0.000	χ^2/NDF : 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.416 $\pm$ 0.000 χ^2 /NDF: 4430538.6/34

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

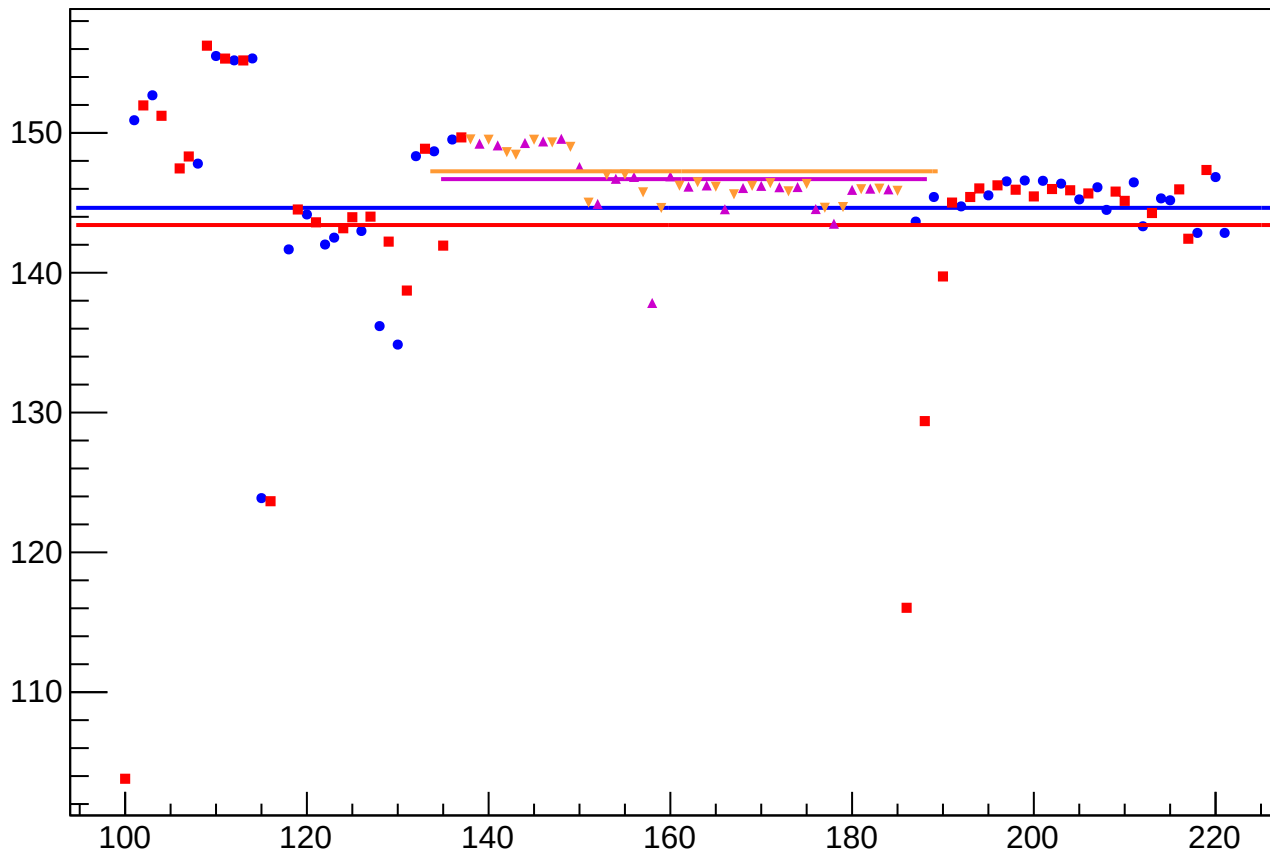
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1502712.5/22

+ sign 0.423 $\pm$ 0.000 χ^2 /NDF: 6343732.7/59

All: 0.420 $\pm$ 0.000 χ^2 /NDF: 11760206.4/119

- sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5411478.1/59

yield_bcm_dg_us_mean vs Slug



Right In: 144.641 $\pm$ 0.000 χ^2 /NDF: 3253939732.7/34

Left Out: 147.255 $\pm$ 0.000 χ^2 /NDF: 262138049.8/24

Right Out: 143.412 $\pm$ 0.000 χ^2 /NDF: 7181518011.6/36

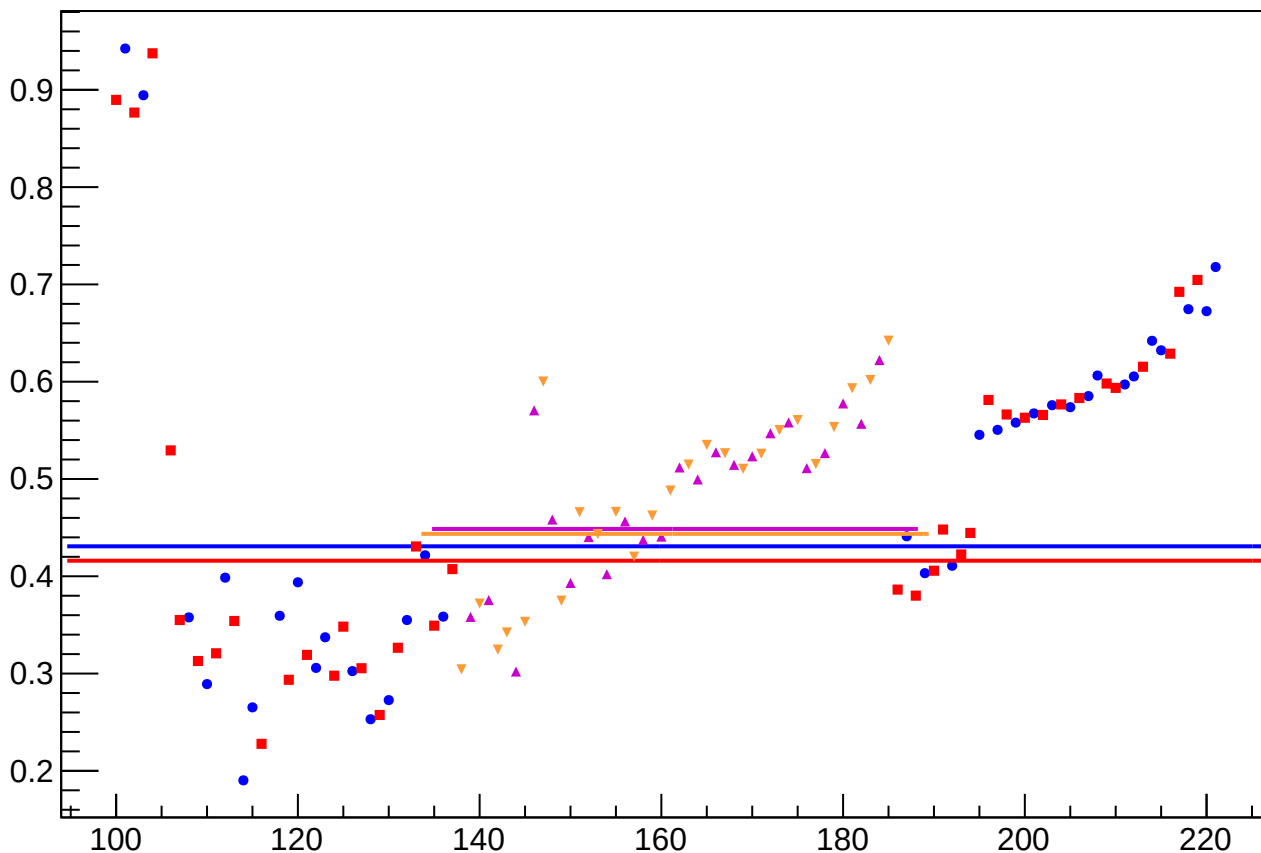
Left In: 146.695 $\pm$ 0.000 χ^2 /NDF: 557896803.1/22

+ sign 145.920 $\pm$ 0.000 χ^2 /NDF: 3819887987.2/59

All: 145.417 $\pm$ 0.000 χ^2 /NDF: 12126533277.

- sign 144.915 $\pm$ 0.000 χ^2 /NDF: 8216557517.5/59

yield_bcm_dg_us_rms vs Slug



Right In: 0.431 $\pm$ 0.000 χ^2 /NDF: 4289069.6/34

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

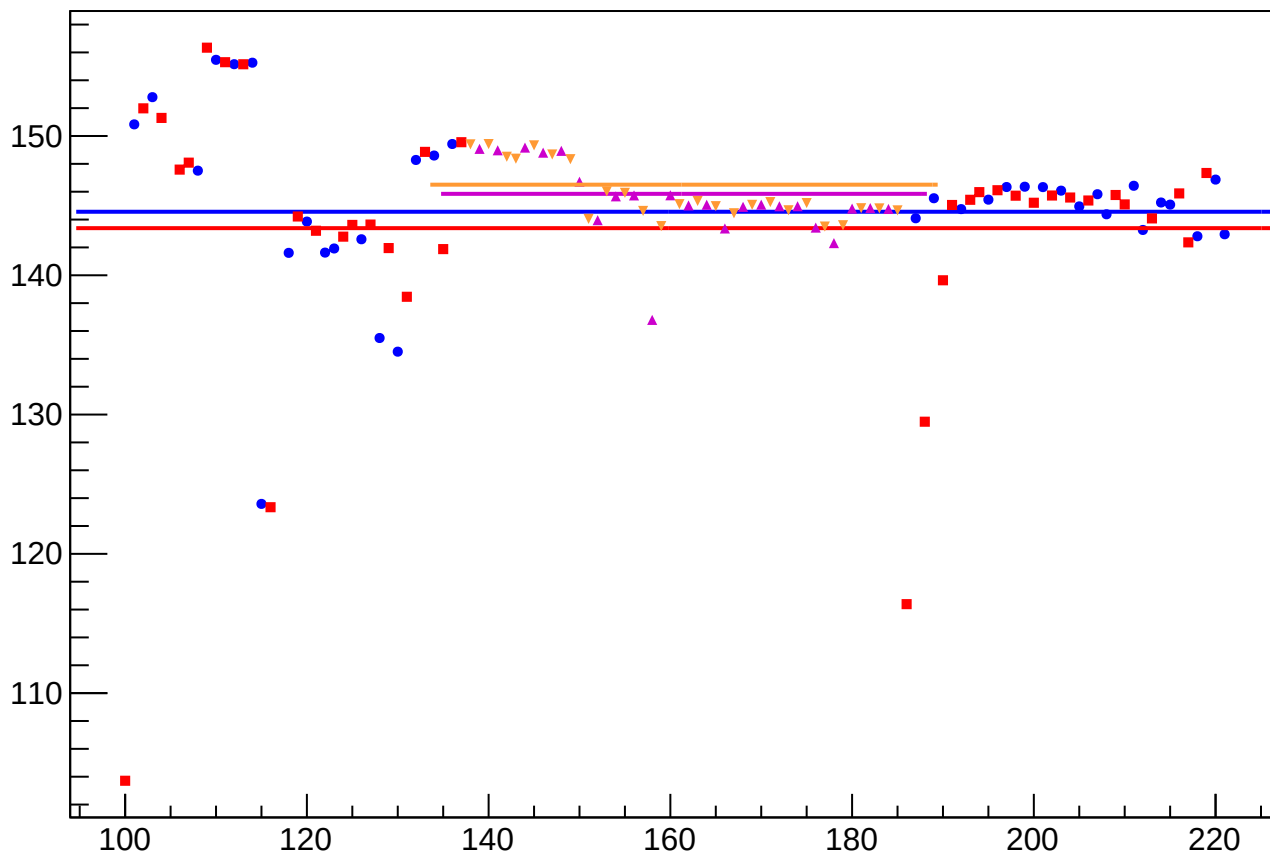
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.437 $\pm$ 0.000 χ^2 /NDF: 5787046.4/59

All: 0.434 $\pm$ 0.000 χ^2 /NDF: 10712489.3/119

- sign 0.431 $\pm$ 0.000 χ^2 /NDF: 4918760.5/59

yield_bcm_dg_ds_mean vs Slug



Right In: 144.561 $\pm$ 0.000 χ^2 /NDF: 3363100609.6/34

Left Out: 146.505 $\pm$ 0.000 χ^2 /NDF: 401688176.3/24

Right Out: 143.383 $\pm$ 0.000 χ^2 /NDF: 7133128296.2/36

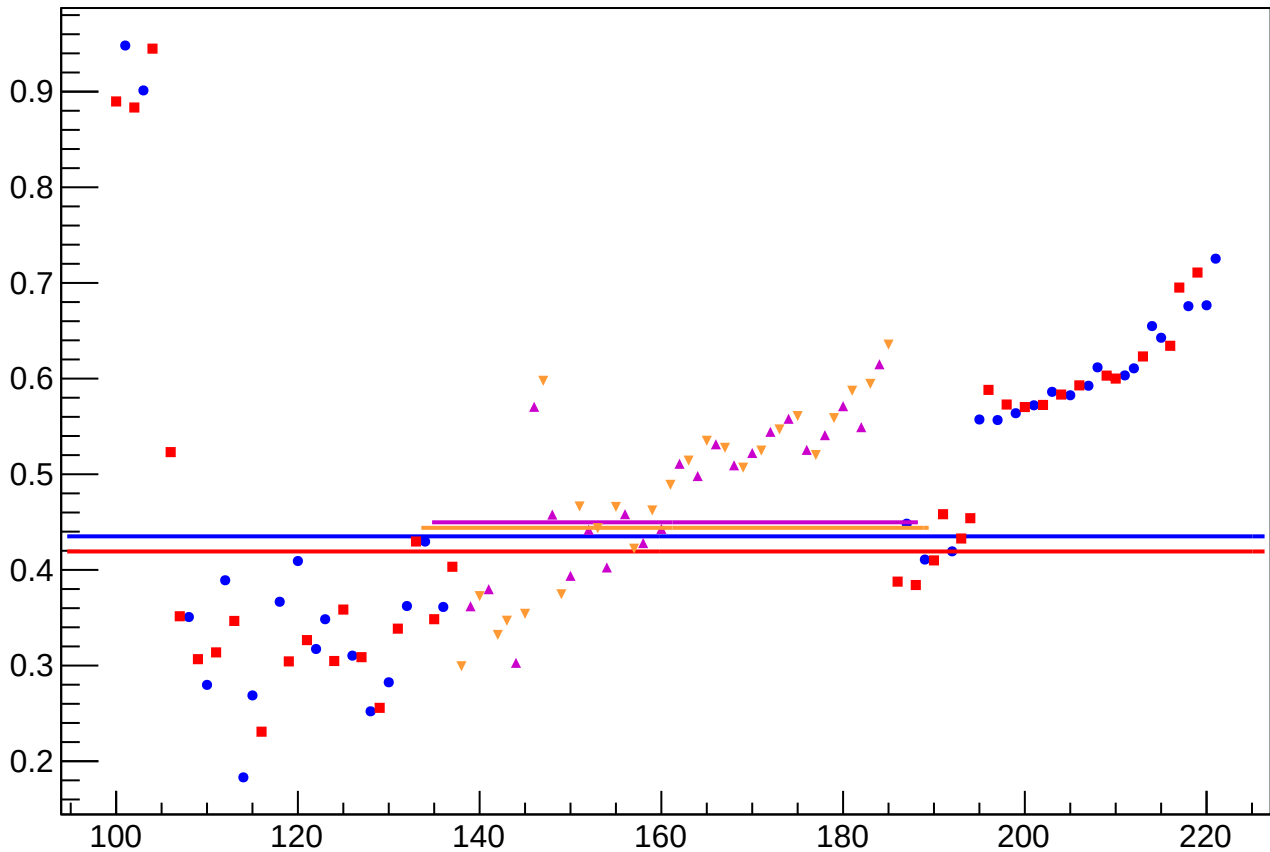
Left In: 145.847 $\pm$ 0.000 χ^2 /NDF: 694764545.6/22

+ sign 145.523 $\pm$ 0.000 χ^2 /NDF: 3930688614.2/59

All: 145.020 $\pm$ 0.000 χ^2 /NDF: 12112667103.

- sign 144.519 $\pm$ 0.000 χ^2 /NDF: 8093381874.8/59

yield_bcm_dg_ds_rms vs Slug



Right In: 0.435 $\pm$ 0.000 χ^2 /NDF: 4337155.4/34

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

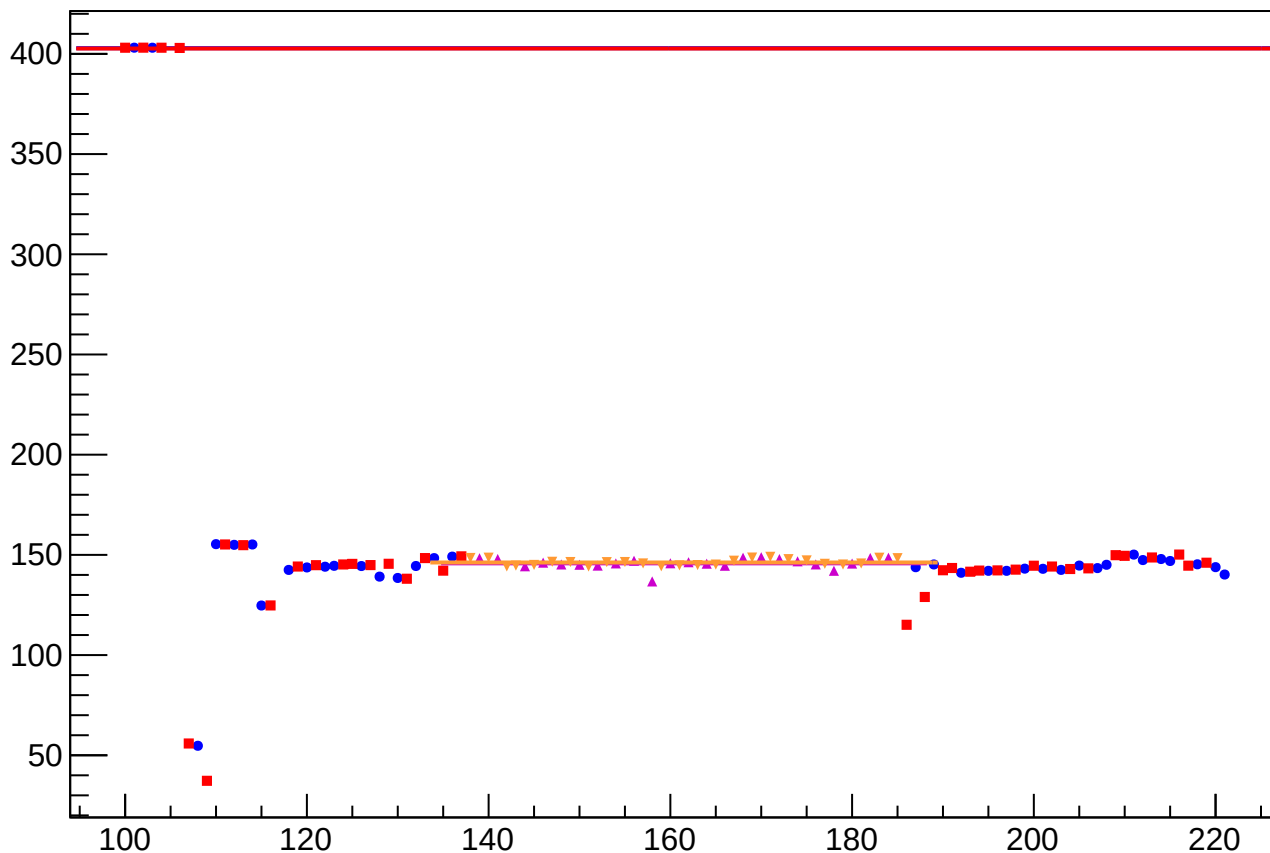
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

+ sign 0.439 $\pm$ 0.000 χ^2 /NDF: 5807438.4/59

All: 0.436 $\pm$ 0.000 χ^2 /NDF: 10726360.9/119

- sign 0.433 $\pm$ 0.000 χ^2 /NDF: 4912231.3/59

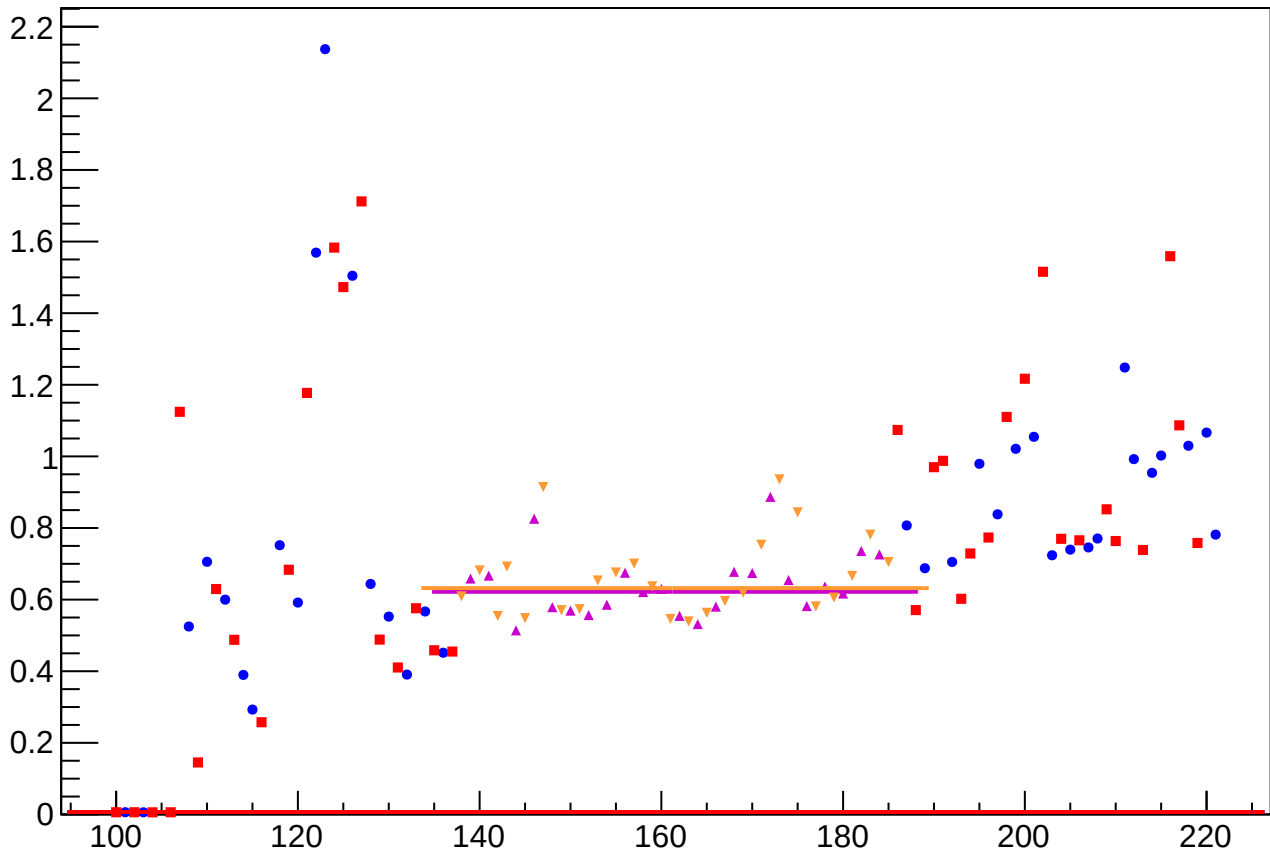
yield_cav4bQ_mean vs Slug



Right In: 402.837 $\pm$ 0.000 χ^2 /NDF: 2066087617861.5/34
 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 402.541 $\pm$ 0.000 χ^2 /NDF: 4435861971859.7
 All: 402.476 $\pm$ 0.000 χ^2 /NDF: 109938243036
 - 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: 30355154.6/34

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

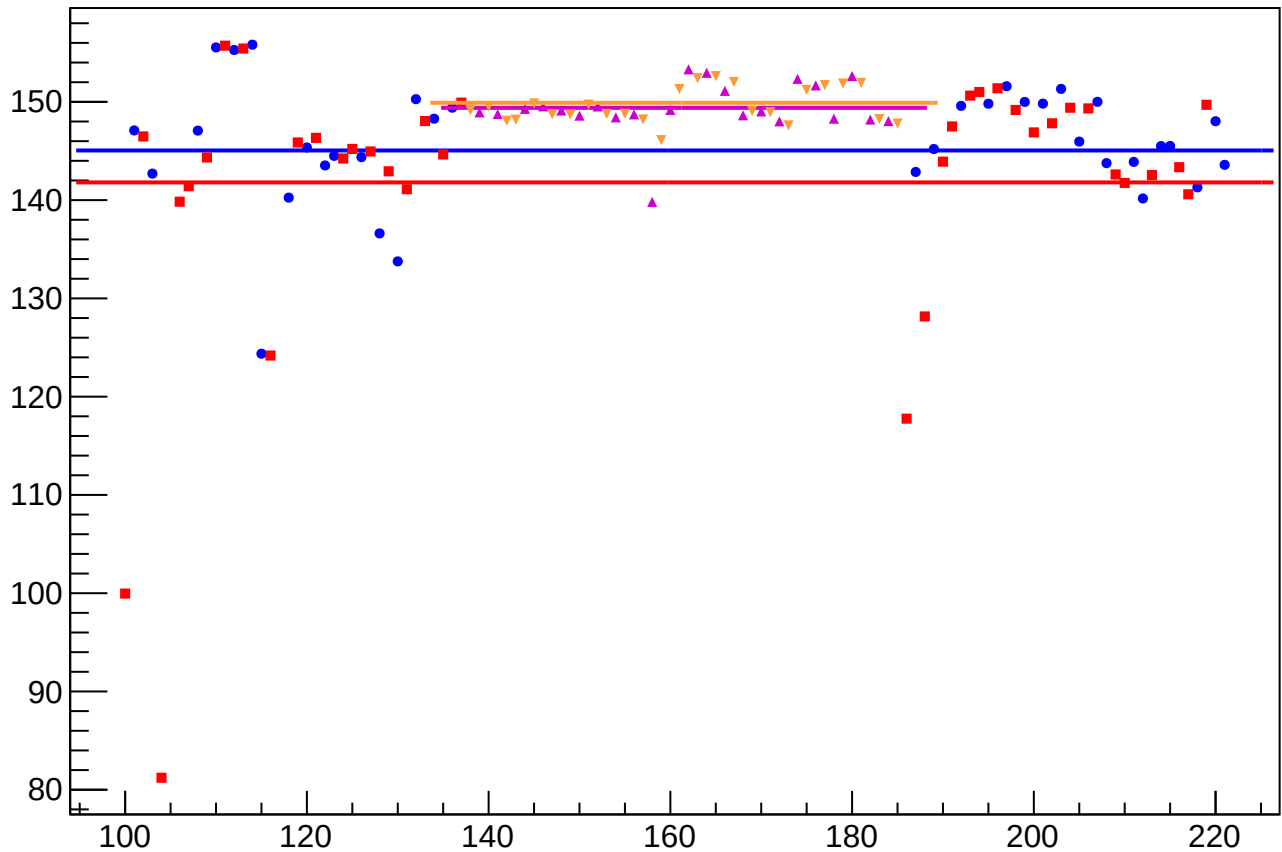
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 59113536.1/59

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 116925437.7/119

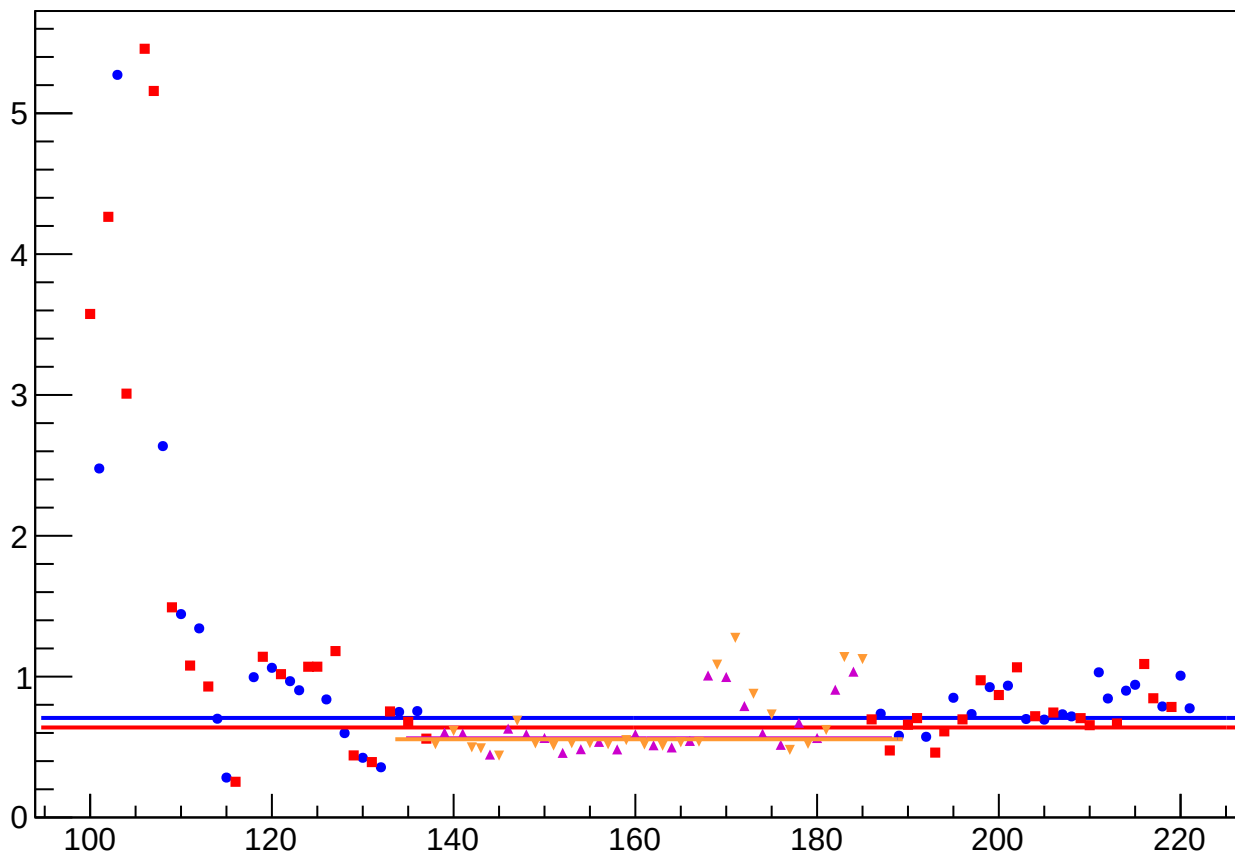
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 57811224.1/59

yield_cav4cQ_mean vs Slug



Right In: 145.054 $\pm$ 0.000	χ^2 /NDF: 1388781927.8/34	+ sign 148.154 $\pm$ 0.000	χ^2 /NDF: 1984929445.8/59
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.188 $\pm$ 0.000	χ^2 /NDF: 7043431415.9
Right Out: 141.804 $\pm$ 0.000	χ^2 /NDF: 3337613774.1/36	- sign 146.243 $\pm$ 0.000	χ^2 /NDF: 4911408532.4/59
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.707 ± 0.000 χ^2/NDF : 4515632.5/34

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.639 ± 0.000 χ^2/NDF : 5968361.0/36

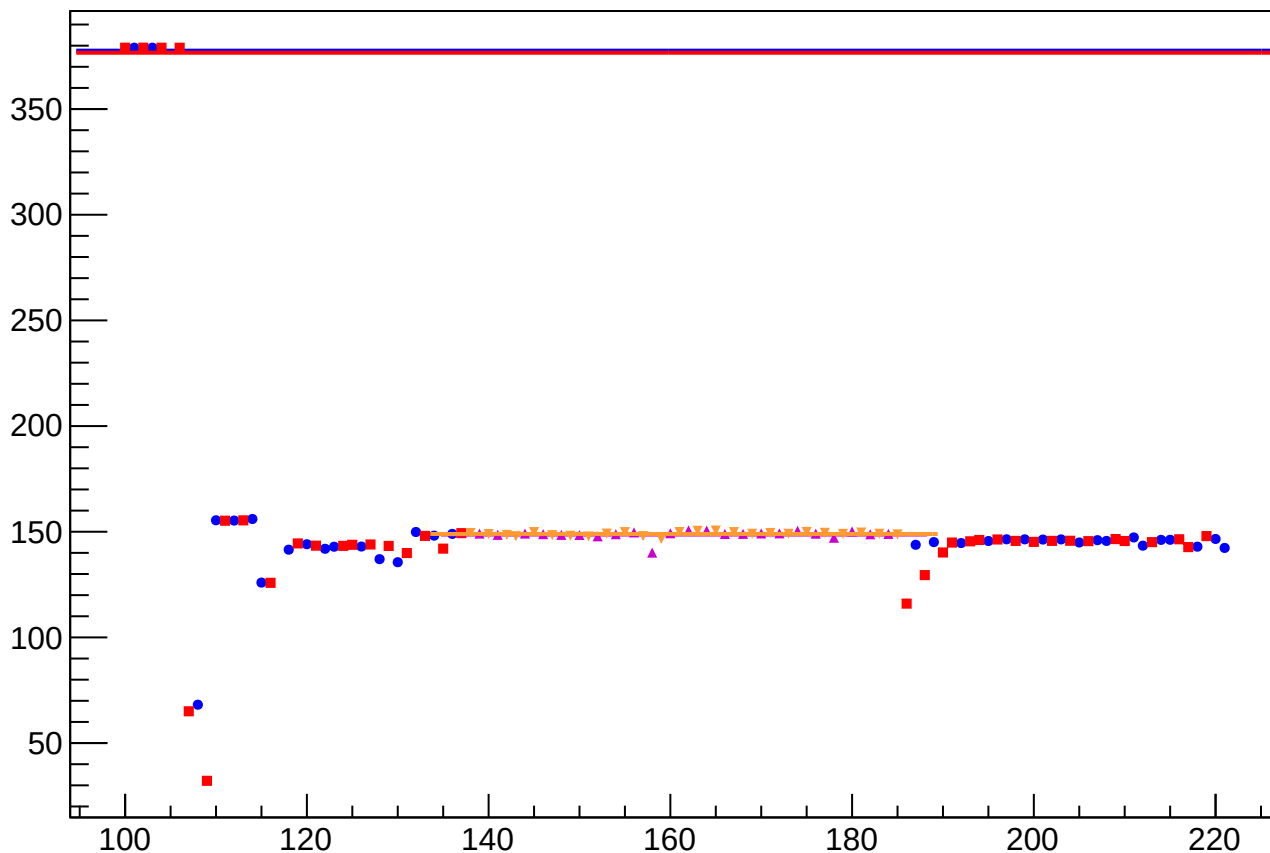
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.610 ± 0.000 χ^2/NDF : 7130148.1/59

All: 0.602 ± 0.000 χ^2/NDF : 14663548.5/119

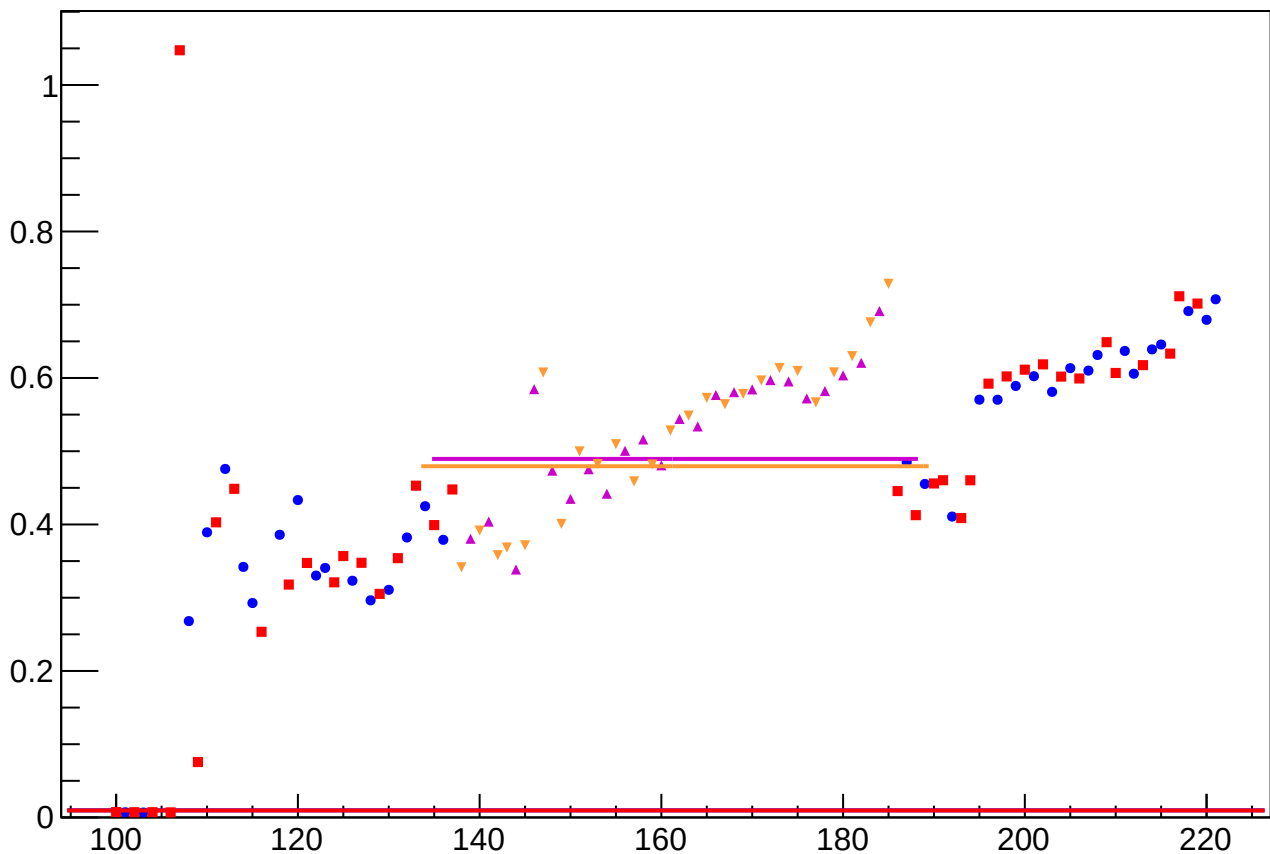
- sign 0.594 ± 0.000 χ^2/NDF : 7512643.3/59

yield_cav4dQ_mean vs Slug



Right In: 377.639+/-0.000	χ^2/NDF : 4503582911285.3/34	+ sign 376.364+/-0.000	χ^2/NDF : 8397030978958.3
Left Out: 148.946+/-0.000	χ^2/NDF : 63974844.7/24	All: 375.978+/-0.000	χ^2/NDF : 224725580839
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: 34715944.5/34

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

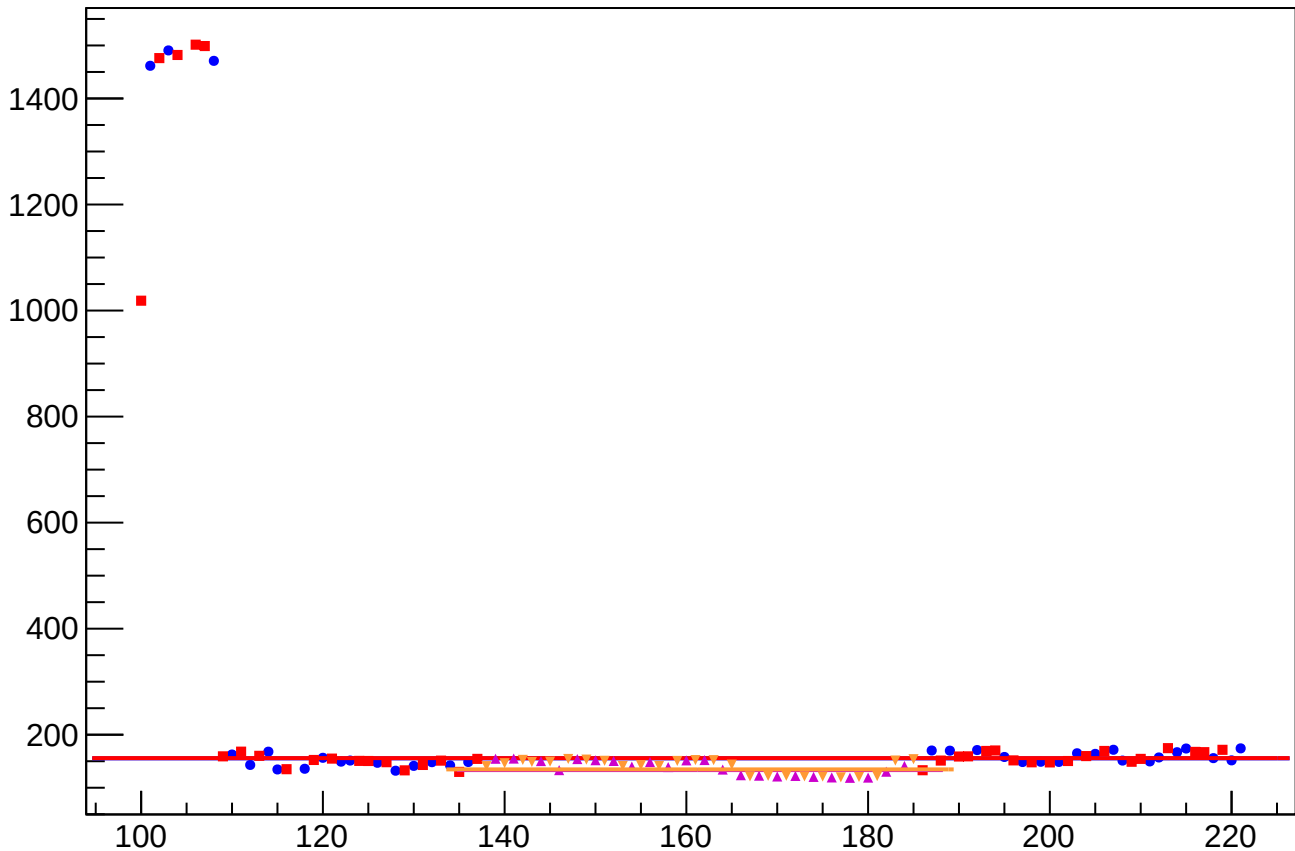
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 69092352.7/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 134839558.2/119

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 65741732.9/59

yield_bcm0l02_mean vs Slug



Right In: 155.364 $\pm$ 0.000 χ^2 /NDF: 26312625578.3/34

Left Out: 134.585 $\pm$ 0.000 χ^2 /NDF: 4387324151.1/24

Right Out: 155.865 $\pm$ 0.000 χ^2 /NDF: 35434719193.9/36

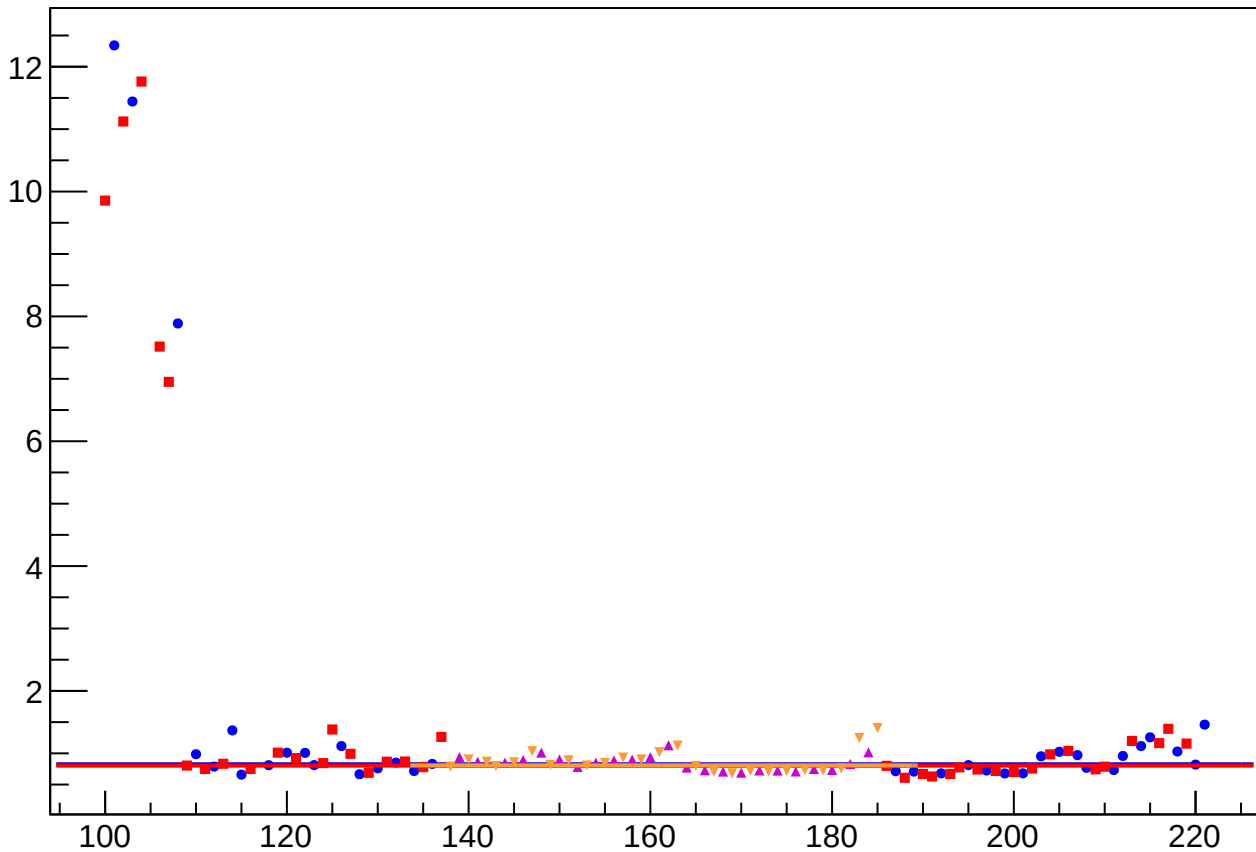
Left In: 133.309 $\pm$ 0.000 χ^2 /NDF: 4353039408.6/22

+ sign 144.499 $\pm$ 0.000 χ^2 /NDF: 35590493907.7/59

All: 144.445 $\pm$ 0.000 χ^2 /NDF: 81114053116.

- sign 144.390 $\pm$ 0.000 χ^2 /NDF: 45523291925.8/59

yield_bcm0l02_rms vs Slug



Right In: 0.825 ± 0.000 χ^2/NDF : 3673434.6/34

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.803 ± 0.000 χ^2/NDF : 3933074.0/36

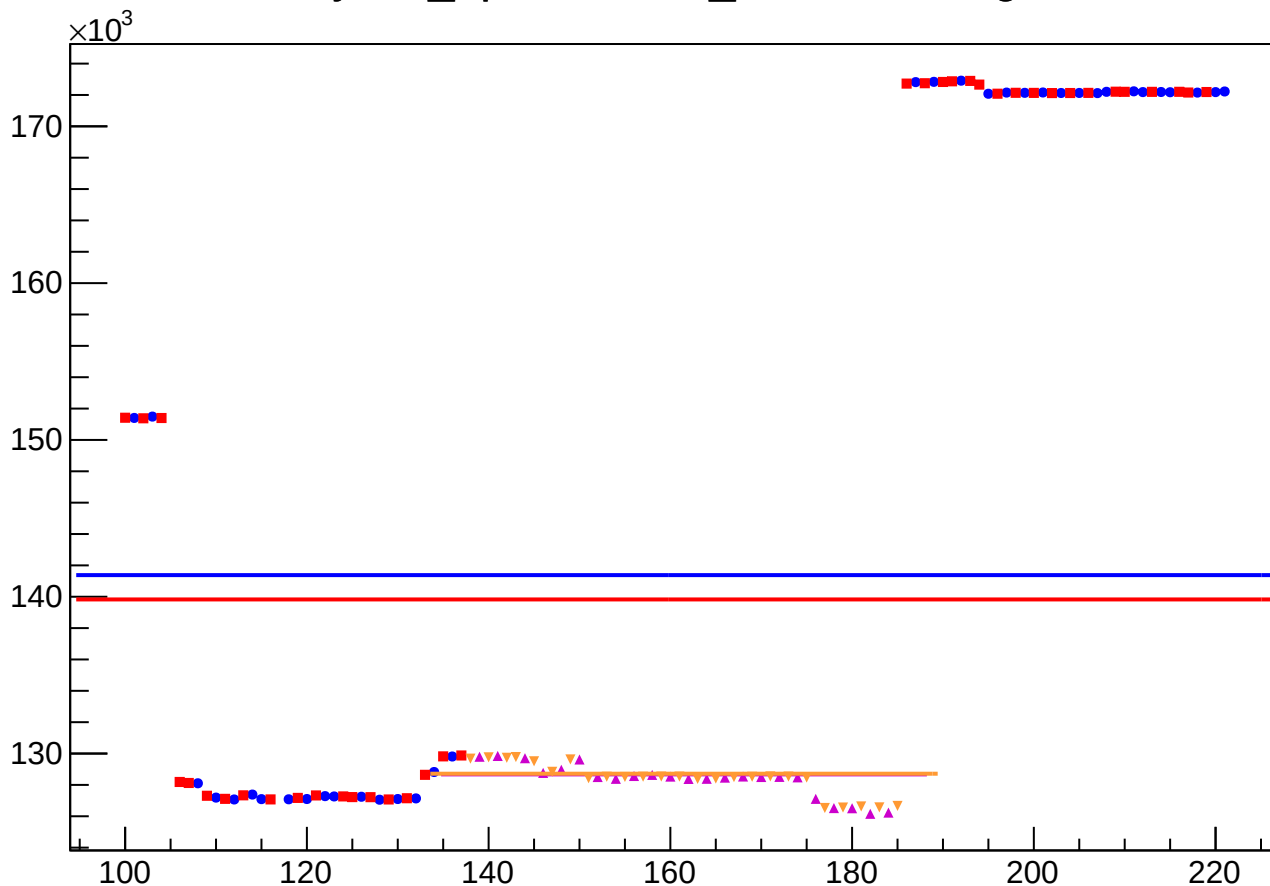
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.816 ± 0.000 χ^2/NDF : 4385445.8/59

All: 0.810 ± 0.000 χ^2/NDF : 8804711.4/119

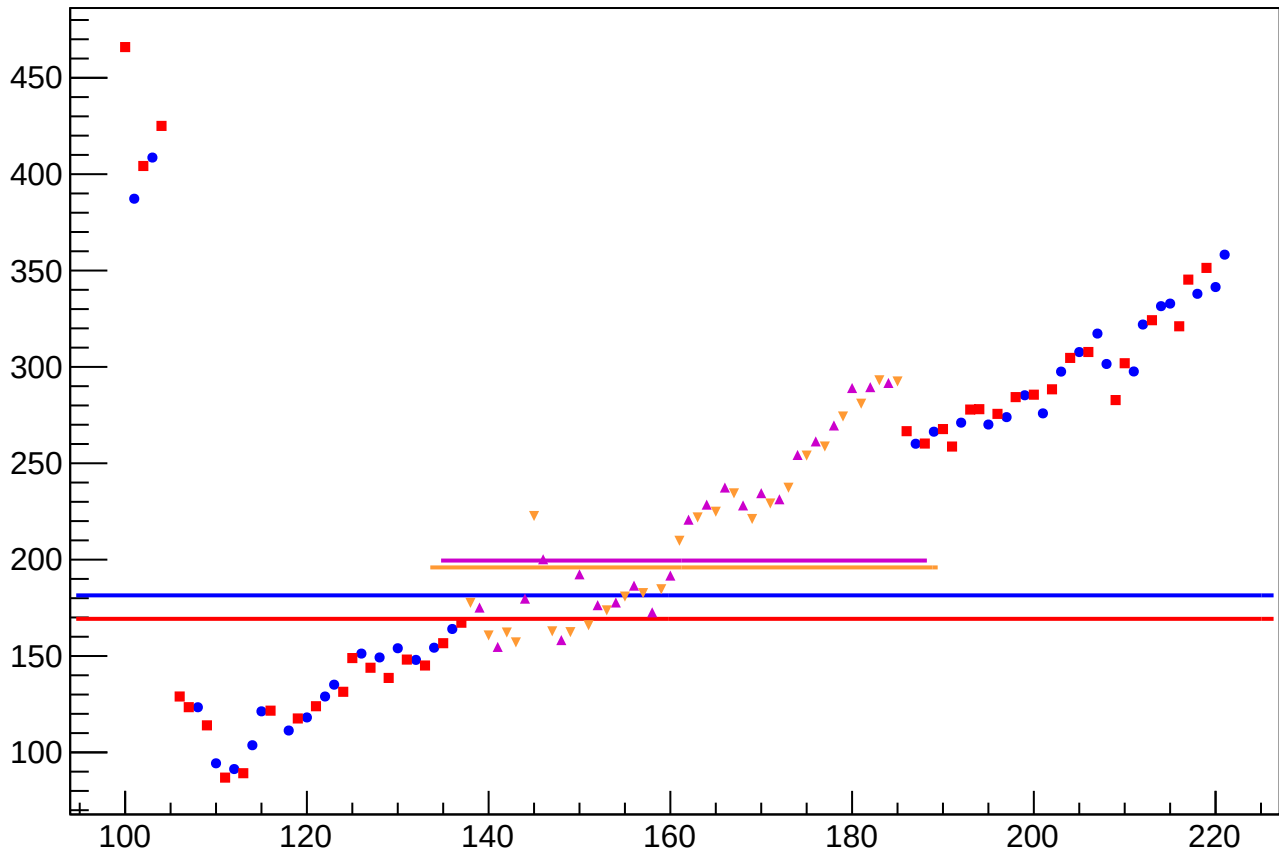
- sign 0.804 ± 0.000 χ^2/NDF : 4412841.1/59

yield_bpm2i01WS_mean vs Slug



Right In: 141379.181 $\pm$ 0.046 χ^2/NDF : 202219704882.0/34
 Left Out: 128713.791 $\pm$ 0.047 χ^2/NDF : 348293942.5/24
 Right Out: 139827.962 $\pm$ 0.043 χ^2/NDF : 212053912440.3/36
 Left In: 128670.094 $\pm$ 0.049 χ^2/NDF : 334875494.0/22
 + sign 135184.216 $\pm$ 0.033 χ^2/NDF : 240222490110
 - sign 134940.789 $\pm$ 0.032 χ^2/NDF : 241728634014
 All: 135061.348 $\pm$ 0.023 χ^2/NDF : 481979220

yield_bpm2i01WS_rms vs Slug



Right In: 181.464 $\pm$ 0.032 χ^2 /NDF: 7598791.0/34

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

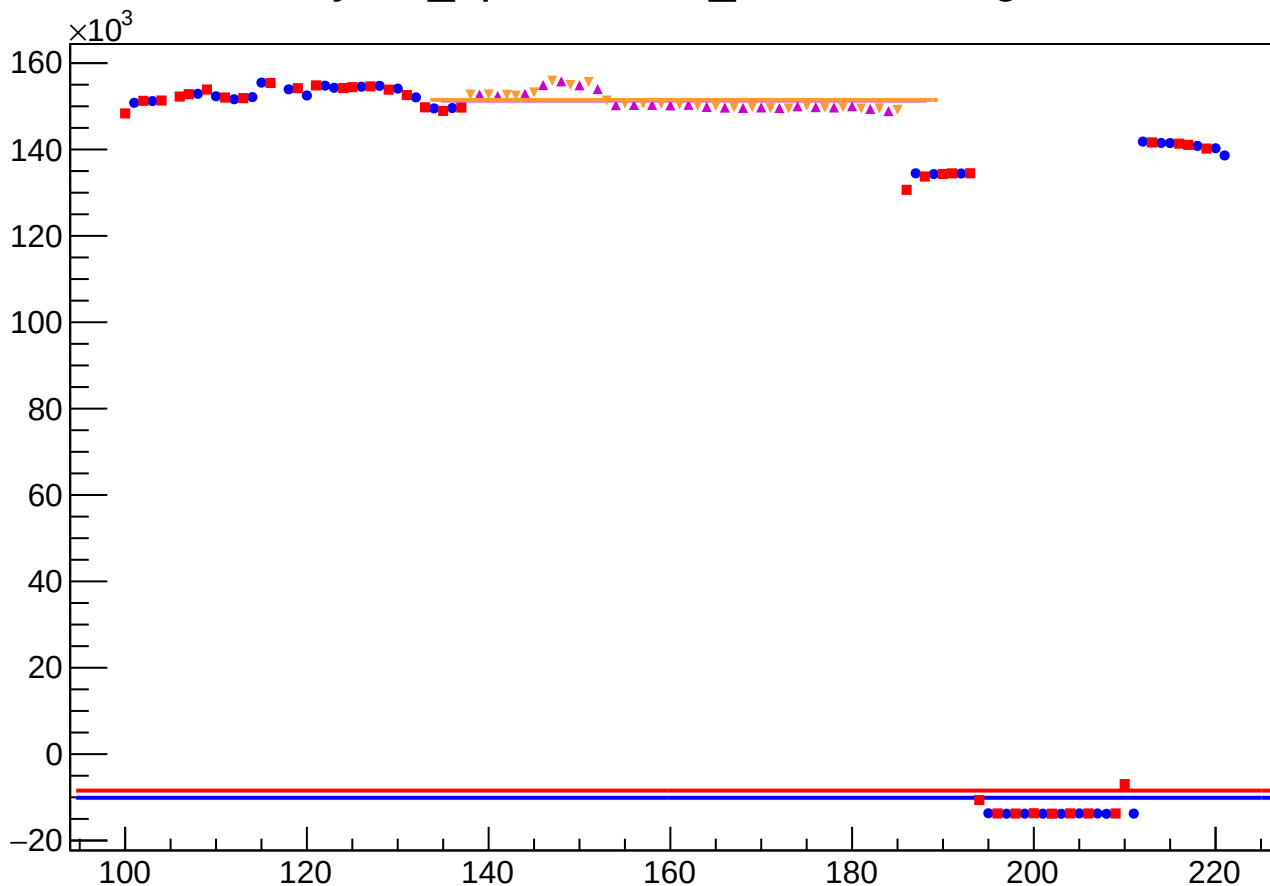
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 188.557 $\pm$ 0.023 χ^2 /NDF: 9013581.5/59

All: 185.516 $\pm$ 0.016 χ^2 /NDF: 18283252.1/11

- sign 182.534 $\pm$ 0.023 χ^2 /NDF: 9235269.8/59

yield_bpm0i07WS_mean vs Slug



Right In: -10097.810 ± 0.009

χ^2/NDF : 6913232029028.0/34

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 -4719.749 ± 0.009

χ^2/NDF : 1722680642234

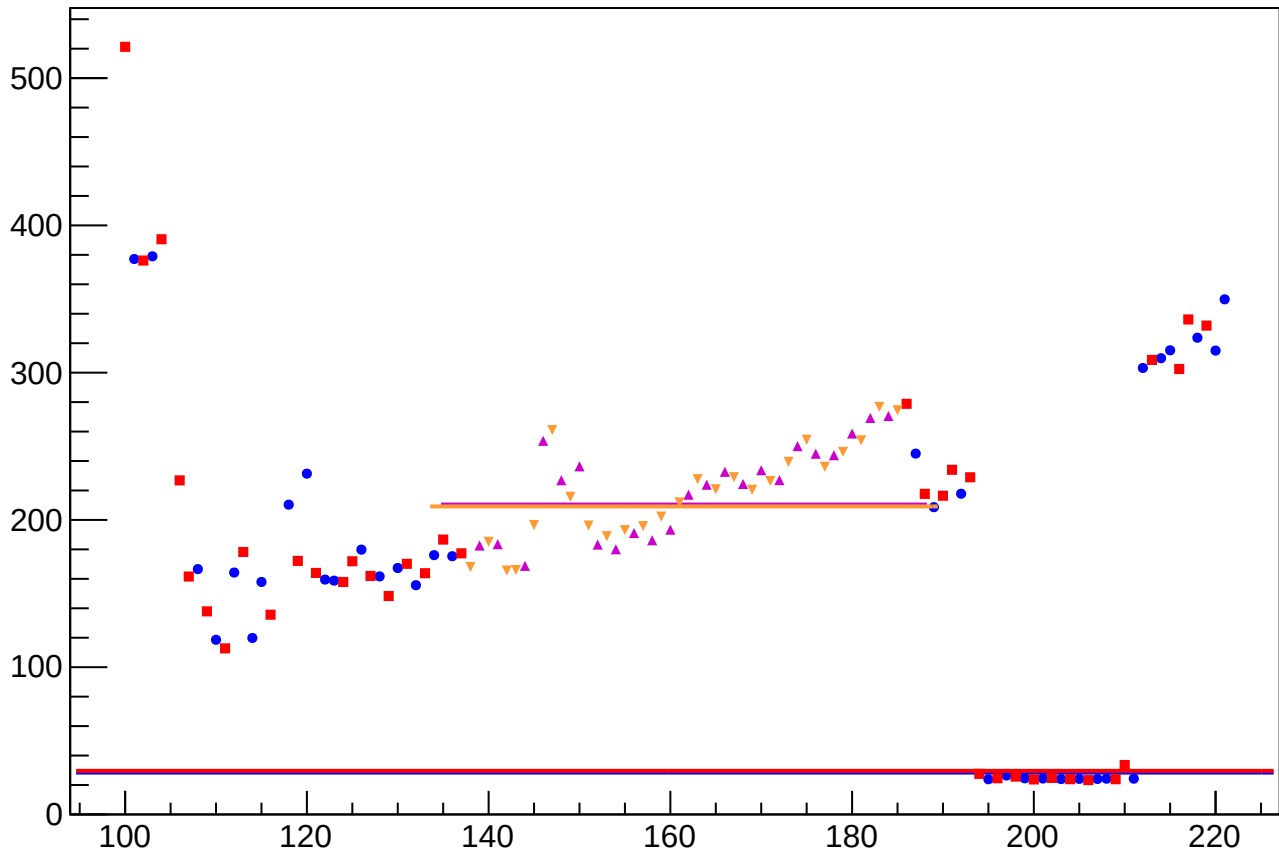
All: -3719.430 ± 0.007

χ^2/NDF : 3445352300

- sign -2526.850 ± 0.010

χ^2/NDF : 17199789050272

yield_bpm0i07WS_rms vs Slug



Right In: 28.440 $\pm$ 0.006 χ^2 /NDF: 19261496.6/34

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

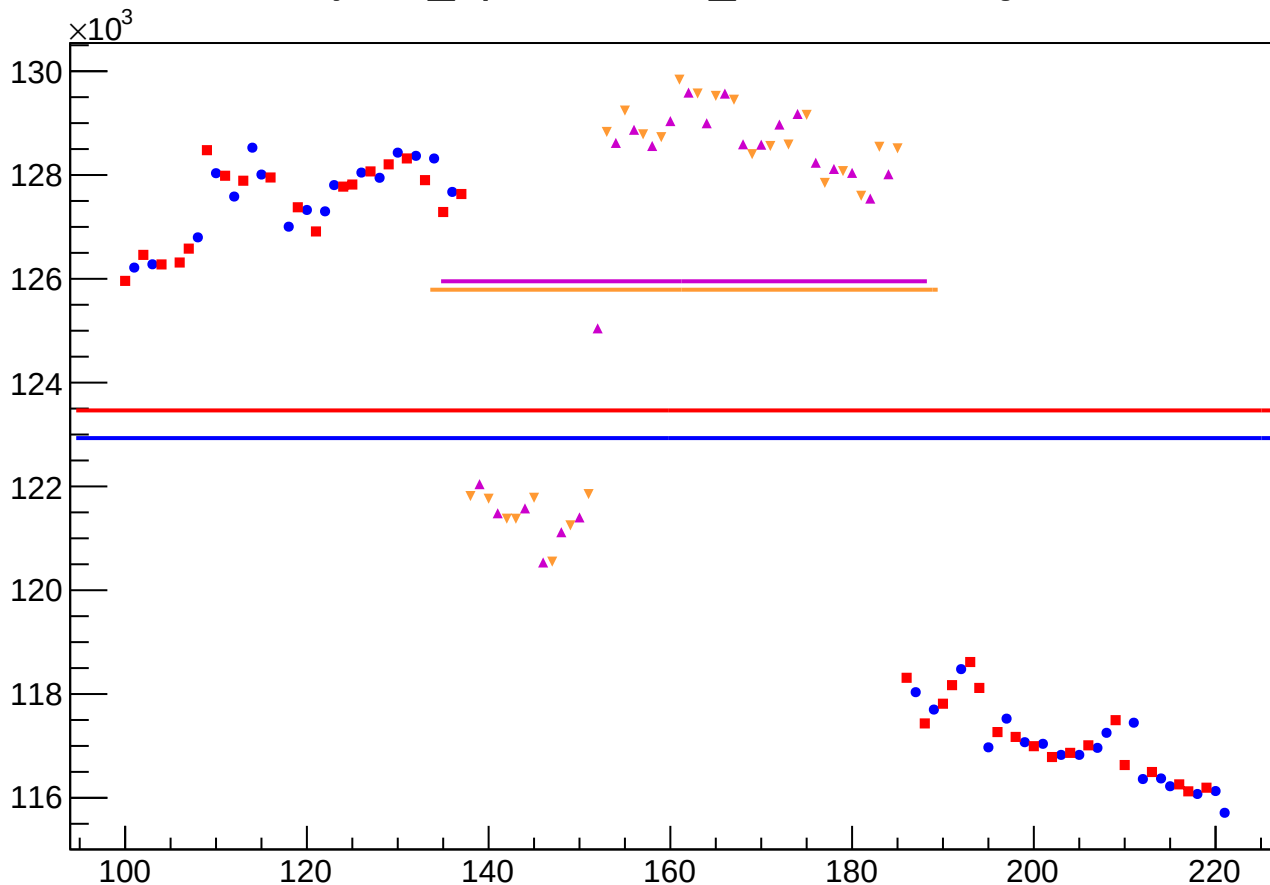
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 34.455 $\pm$ 0.006 χ^2 /NDF: 45770701.3/59

All: 35.300 $\pm$ 0.005 χ^2 /NDF: 88954513.9/119

- sign 36.307 $\pm$ 0.007 χ^2 /NDF: 43145375.6/59

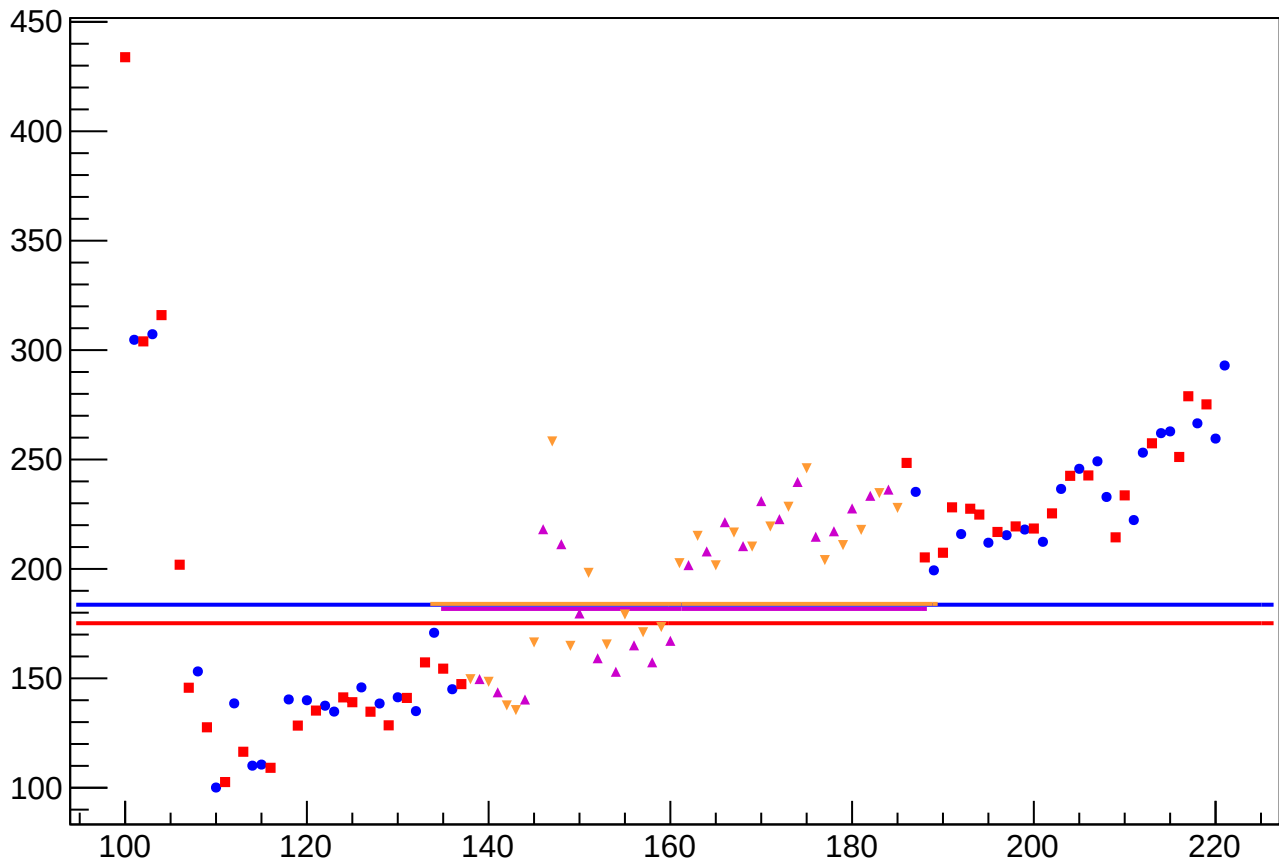
yield_bpm0l01WS_mean vs Slug



Right In: 122931.169 ± 0.043 $\chi^2/\text{NDF}: 15255964131.3/34$
 Left Out: 125790.126 ± 0.044 $\chi^2/\text{NDF}: 6744310079.8/24$
 Right Out: 123464.348 ± 0.042 $\chi^2/\text{NDF}: 15284952101.3/36$
 Left In: 125952.447 ± 0.045 $\chi^2/\text{NDF}: 5841800367.5/22$

+ sign 124344.863 ± 0.031 $\chi^2/\text{NDF}: 24138322273.7$
 All: 124490.954 ± 0.022 $\chi^2/\text{NDF}: 469534138$
 - sign 124634.353 ± 0.031 $\chi^2/\text{NDF}: 22770835584.8$

yield_bpm0l01WS_rms vs Slug



Right In: 183.646 $\pm$ 0.031 χ^2 /NDF: 3349872.8/34

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

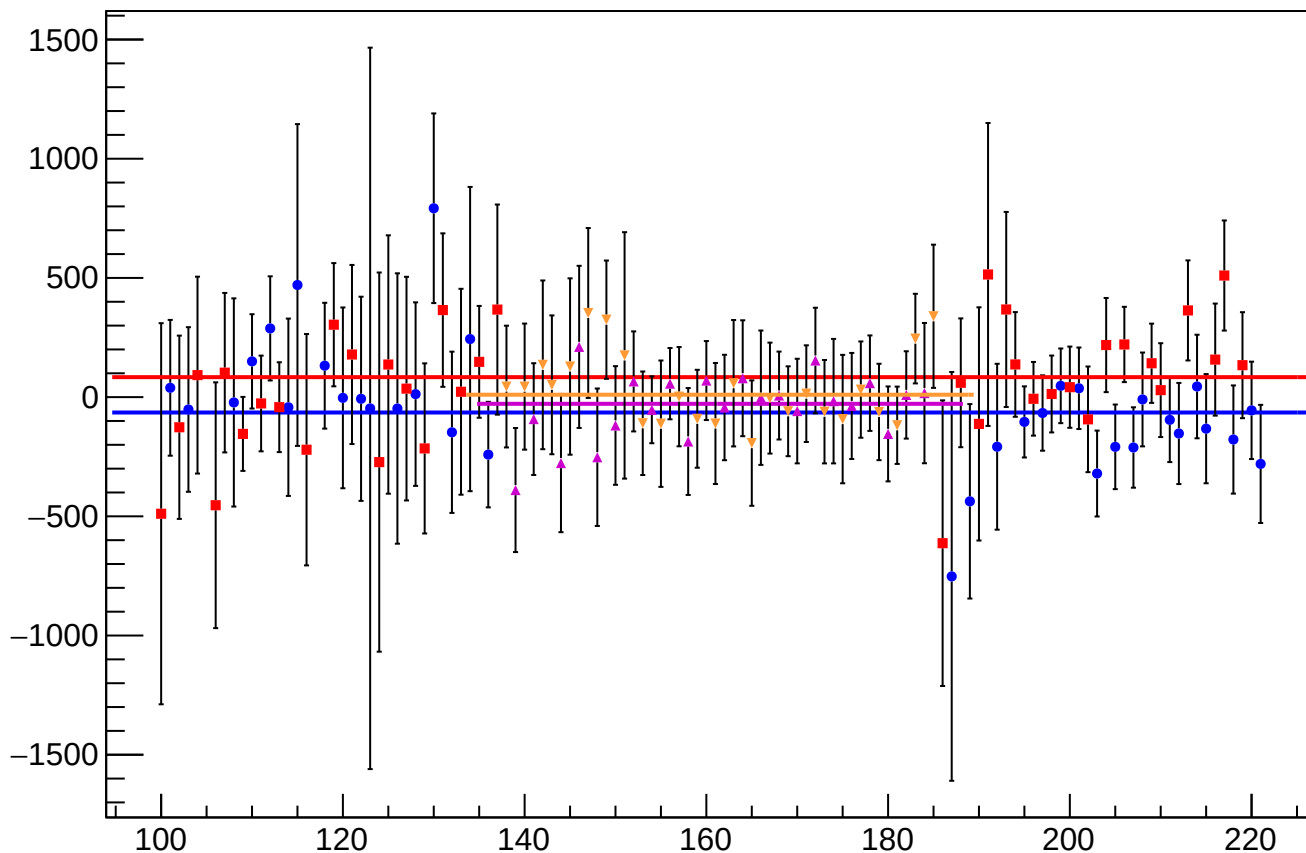
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 183.836 $\pm$ 0.022 χ^2 /NDF: 4476542.1/59

All: 181.020 $\pm$ 0.015 χ^2 /NDF: 9214510.4/119

- sign 178.256 $\pm$ 0.022 χ^2 /NDF: 4705087.1/59

asym_bcm_an_ds_mean vs Slug



Right In: -64.520 ± 40.485 χ^2/NDF : 18.4/34

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 83.794 ± 40.960 χ^2/NDF : 18.9/36

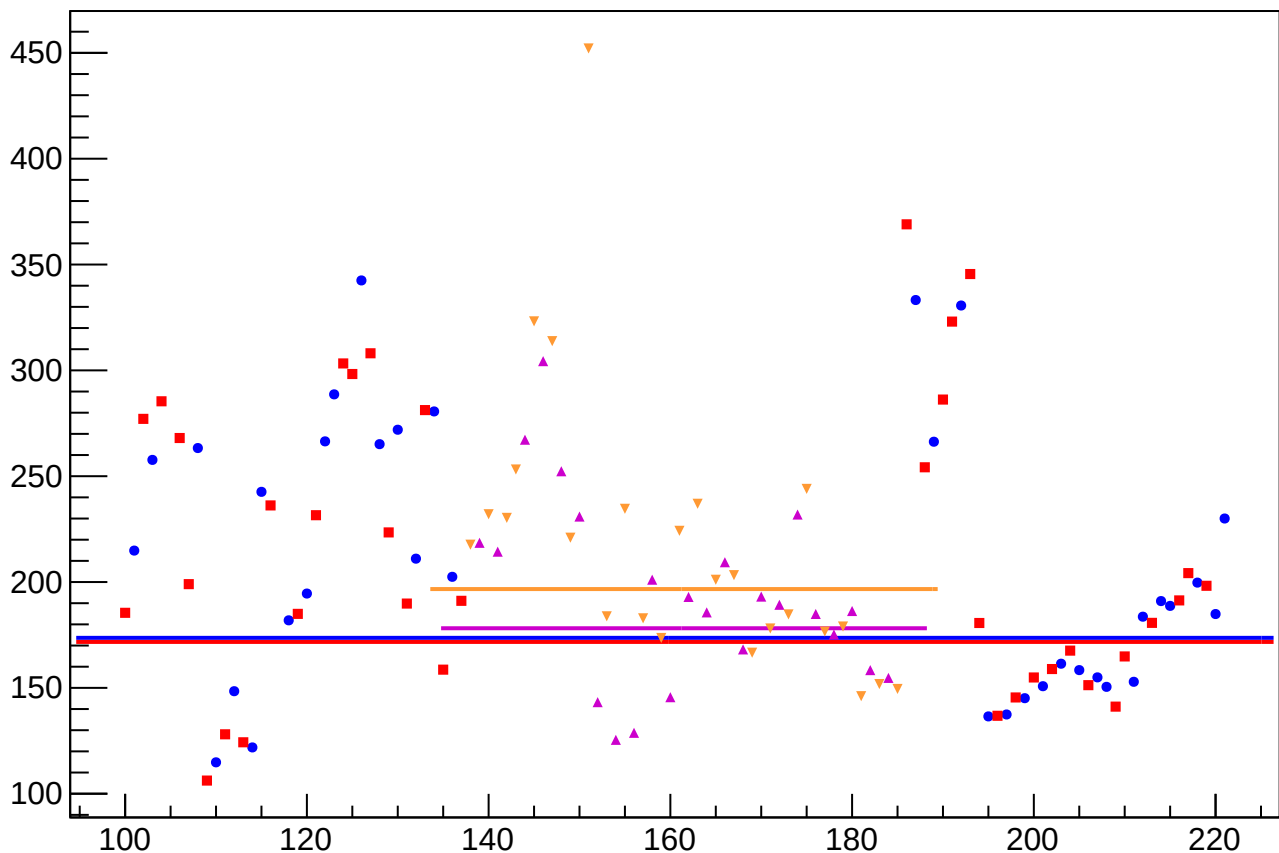
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -33.122 ± 30.809 χ^2/NDF : 28.3/59

All: 0.432 ± 21.552 χ^2/NDF : 59.9/119

- sign 32.587 ± 30.160 χ^2/NDF : 29.3/59

asym_bcm_an_ds_rms vs Slug



Right In: 173.636 $\pm$ 0.029 χ^2 /NDF: 2325035.9/34

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 171.709 $\pm$ 0.029 χ^2 /NDF: 2936501.1/36

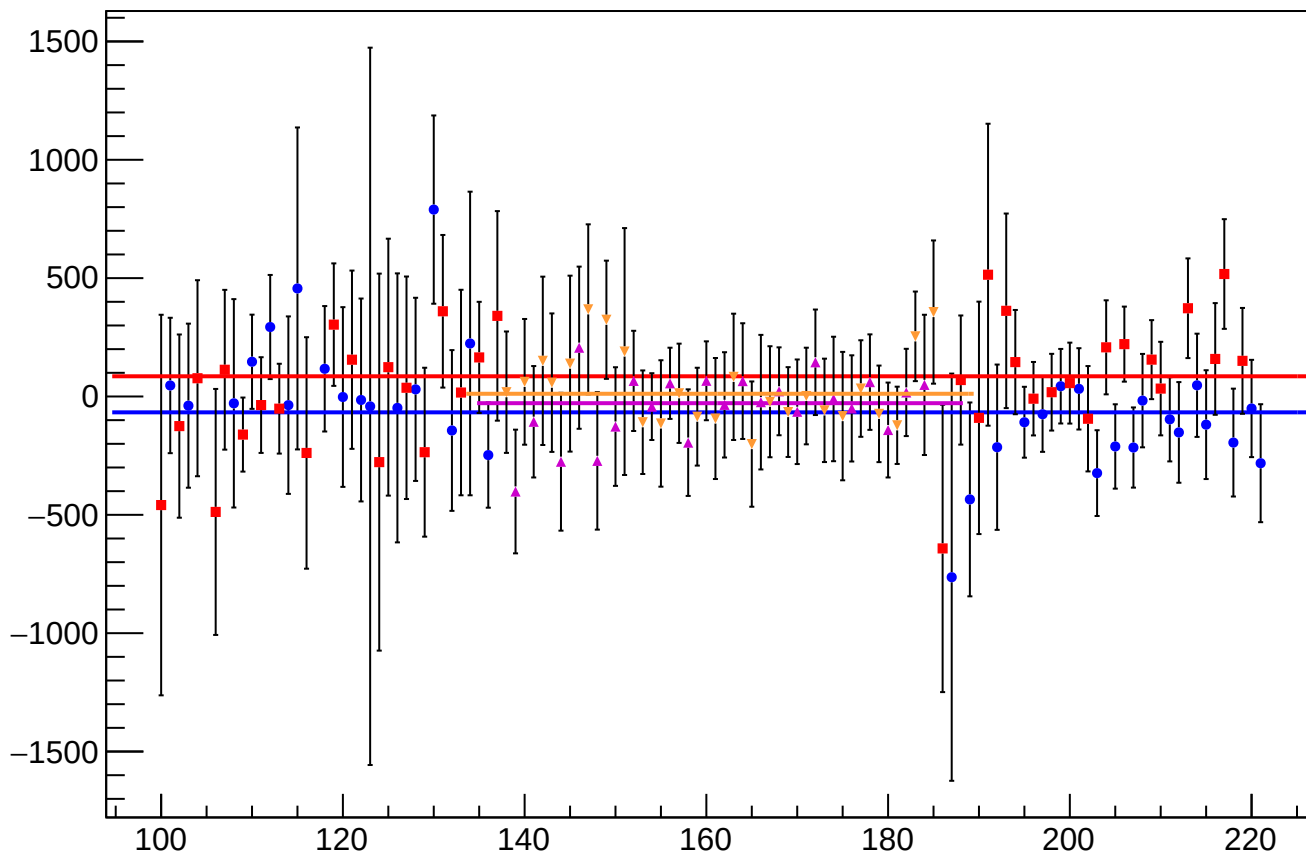
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 183.336 $\pm$ 0.022 χ^2 /NDF: 4380527.6/59

All: 178.908 $\pm$ 0.015 χ^2 /NDF: 9039631.9/119

- sign 174.665 $\pm$ 0.021 χ^2 /NDF: 4578219.0/59

asym_bcm_an_ds3_mean vs Slug



Right In: -67.014 $\pm$ 40.672 χ^2/NDF : 18.4/34

Left Out: 11.479 $\pm$ 47.819 χ^2/NDF : 8.8/24

Right Out: 85.331 $\pm$ 41.158 χ^2/NDF : 19.4/36

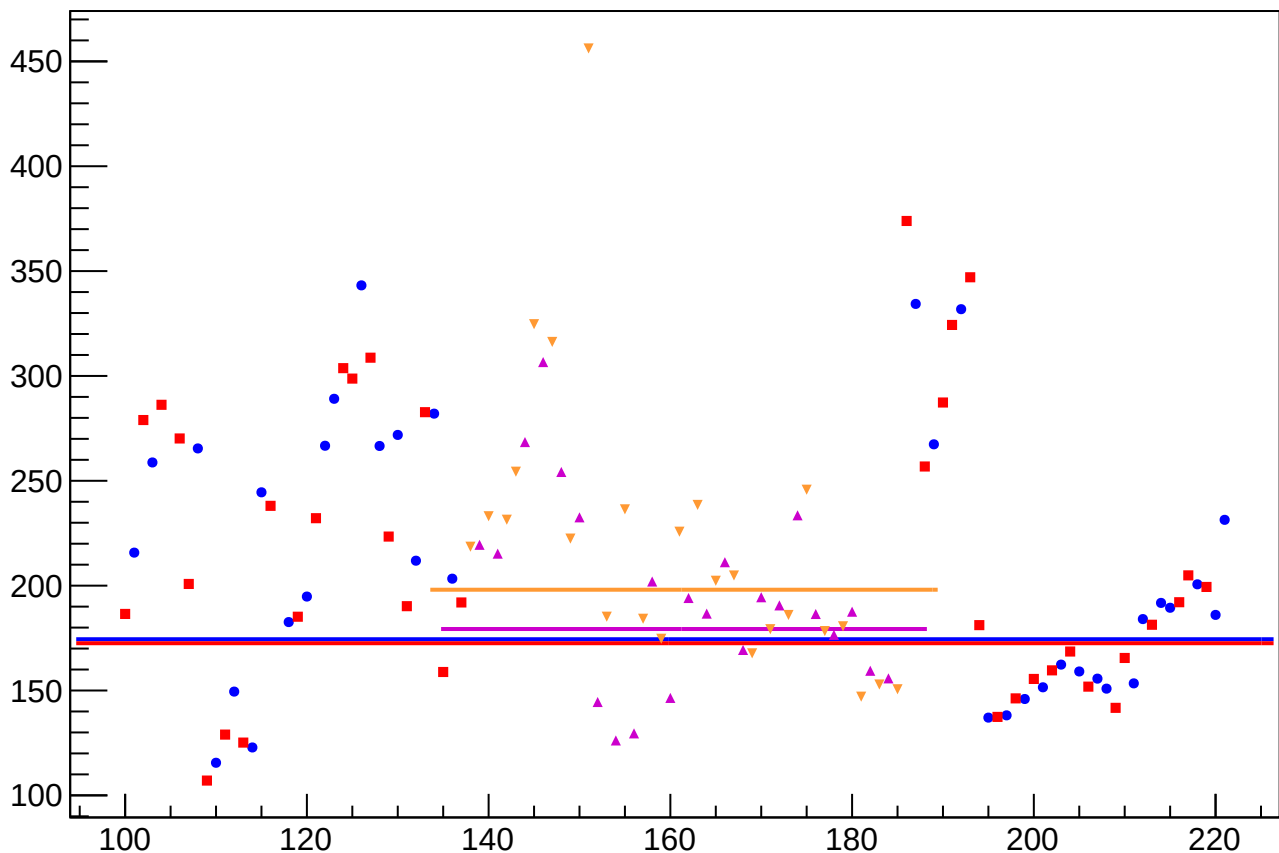
Left In: -28.280 $\pm$ 44.863 χ^2/NDF : 7.1/22

+ sign -34.067 $\pm$ 30.981 χ^2/NDF : 28.8/59

All: 0.391 $\pm$ 21.673 χ^2/NDF : 61.2/119

- sign 33.411 $\pm$ 30.328 χ^2/NDF : 30.0/59

asym_bcm_an_ds3_rms vs Slug



Right In: 174.453 $\pm$ 0.029 χ^2 /NDF: 2317326.5/34

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

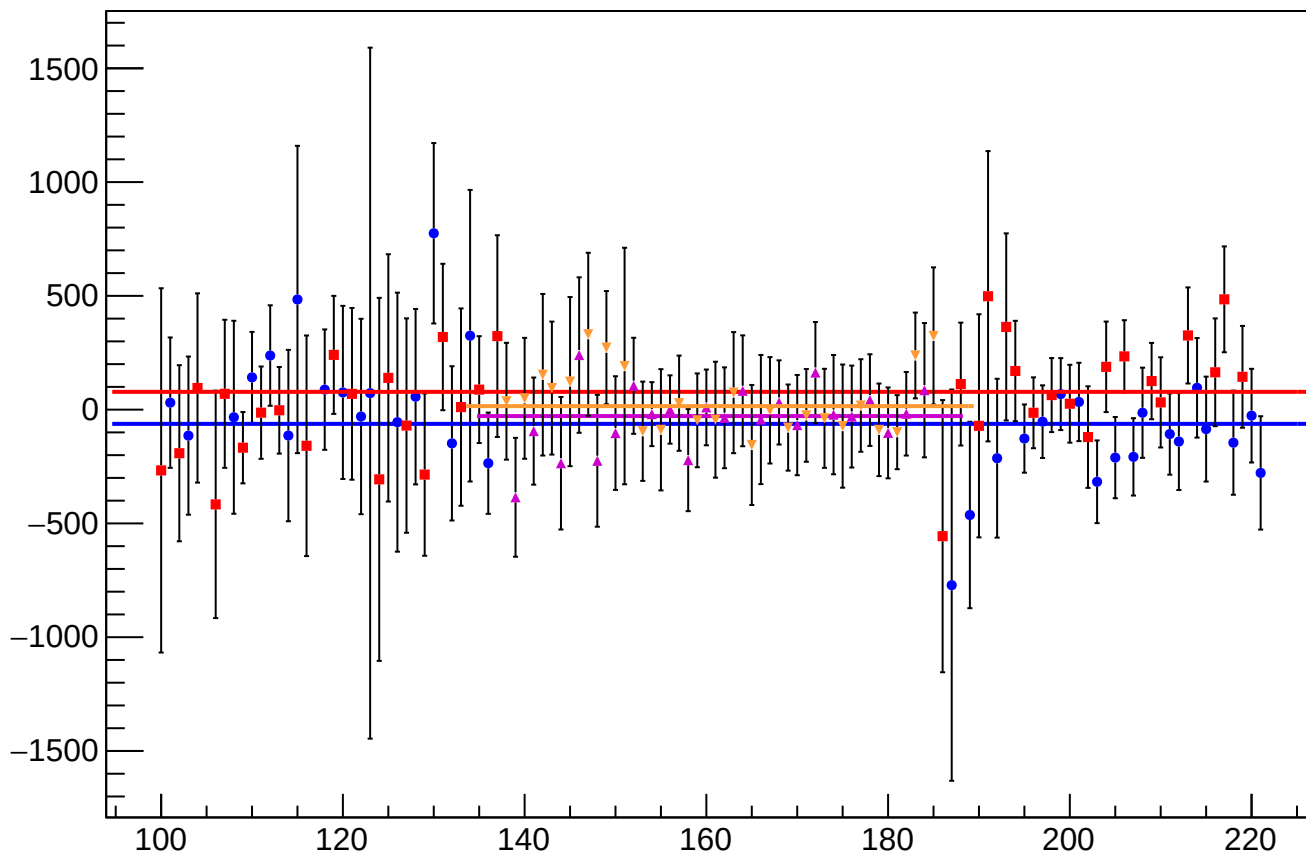
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 184.362 $\pm$ 0.022 χ^2 /NDF: 4378656.1/59

All: 179.910 $\pm$ 0.015 χ^2 /NDF: 9034375.1/119

- sign 175.644 $\pm$ 0.021 χ^2 /NDF: 4574854.5/59

asym_bcm_an_us_mean vs Slug



Right In: -62.508 ± 40.752 $\chi^2/\text{NDF}: 17.9/34$

Left Out: 15.437 ± 47.695 $\chi^2/\text{NDF}: 7.0/24$

Right Out: 78.251 ± 41.194 $\chi^2/\text{NDF}: 17.0/36$

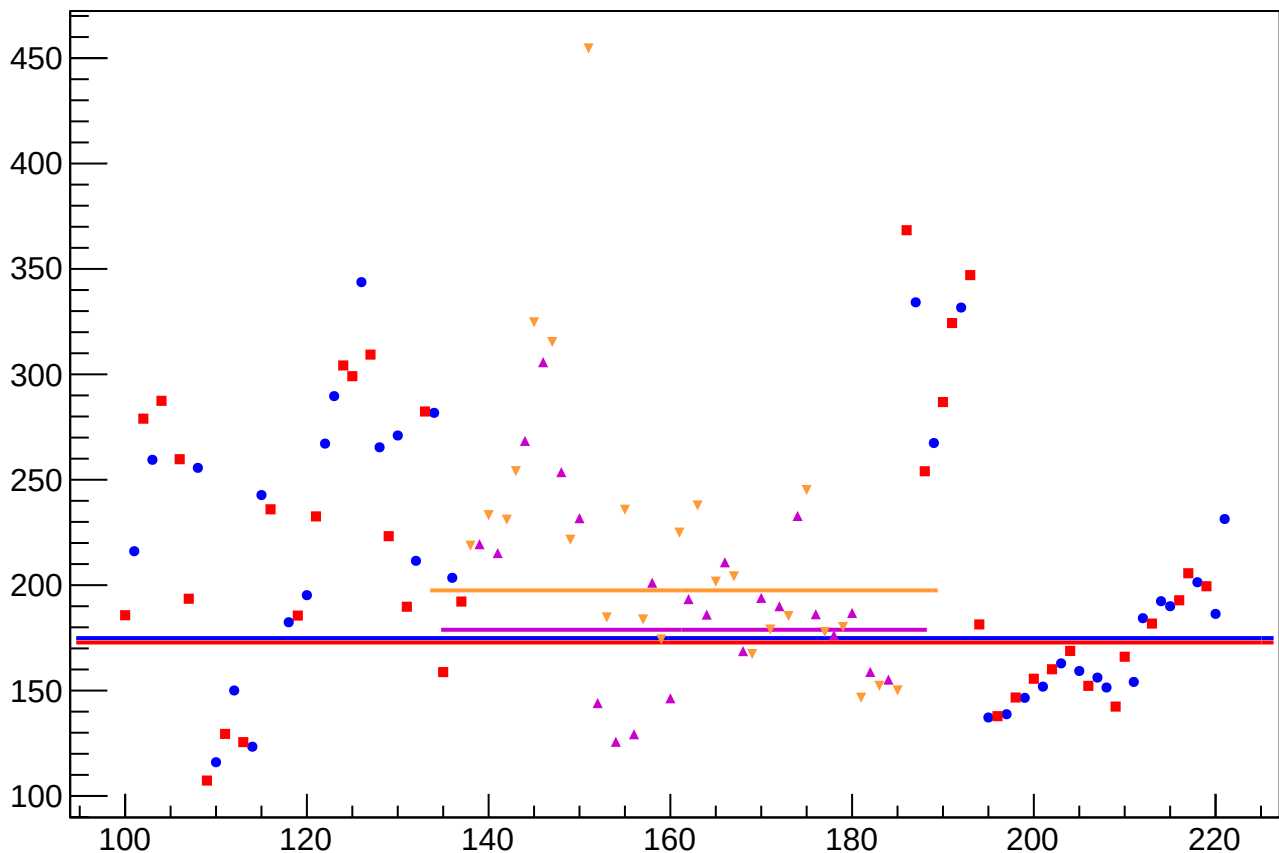
Left In: -28.277 ± 44.743 $\chi^2/\text{NDF}: 6.4/22$

+ sign -29.616 ± 30.983 $\chi^2/\text{NDF}: 26.4/59$

All: 0.533 ± 21.665 $\chi^2/\text{NDF}: 54.7/119$

- sign 29.379 ± 30.306 $\chi^2/\text{NDF}: 26.4/59$

asym_bcm_an_us_rms vs Slug



Right In: 174.885 $\pm$ 0.029 χ^2 /NDF: 2283703.7/34

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

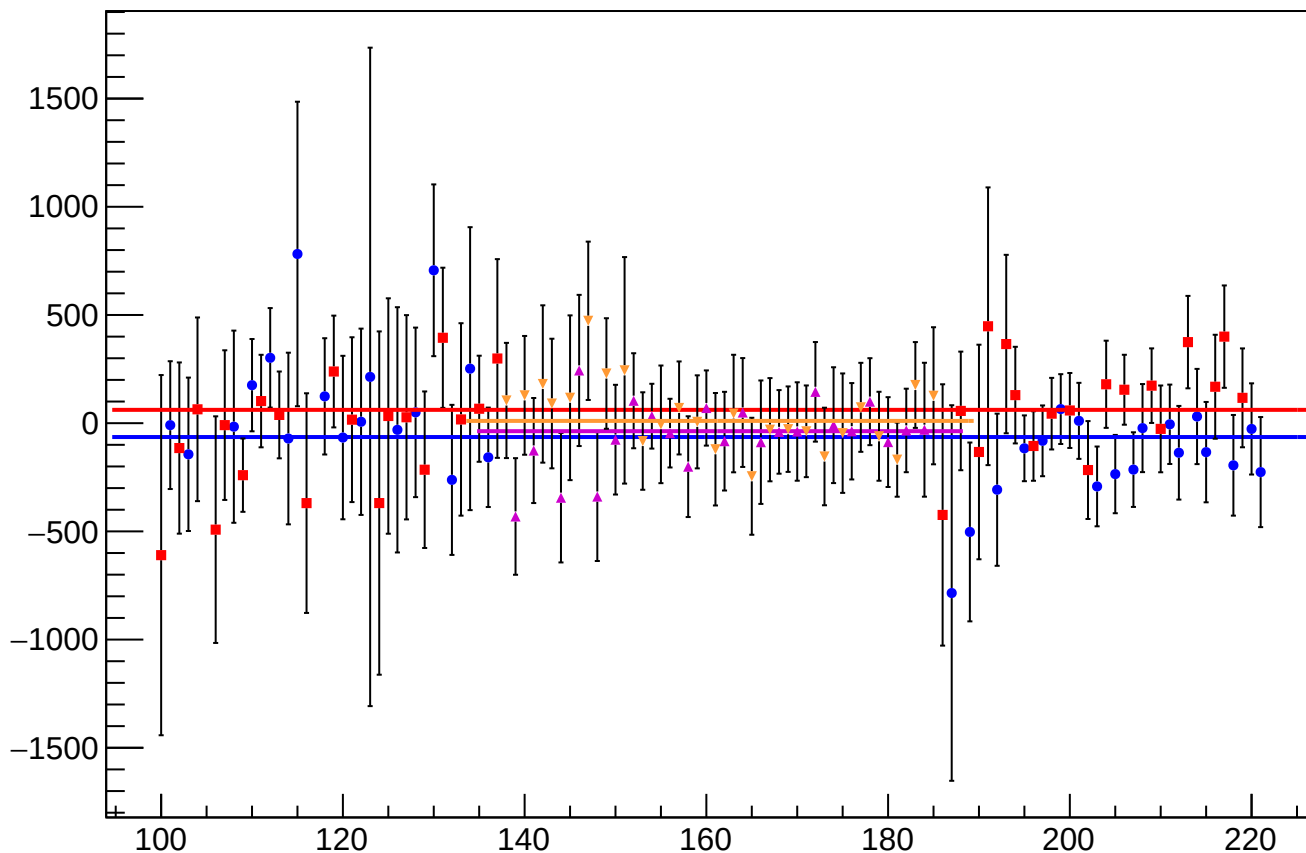
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 184.440 $\pm$ 0.022 χ^2 /NDF: 4328470.7/59

All: 179.909 $\pm$ 0.015 χ^2 /NDF: 8939459.4/119

- sign 175.574 $\pm$ 0.021 χ^2 /NDF: 4527304.4/59

asym_bcm_dg_us_mean vs Slug



Right In: -64.022 ± 41.617 χ^2/NDF : 18.2/34

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 61.587 ± 42.246 χ^2/NDF : 18.8/36

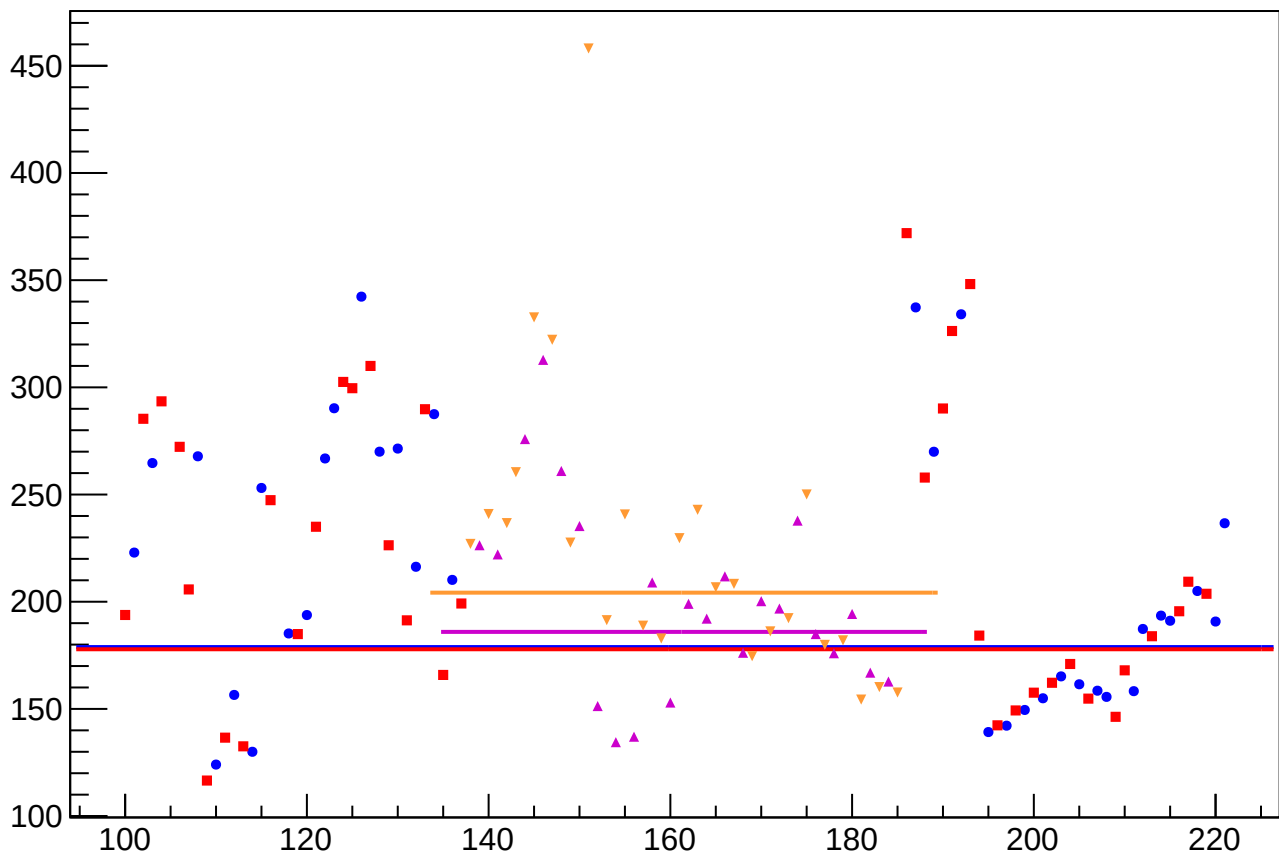
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -32.923 ± 31.773 χ^2/NDF : 27.0/59

All: -7.599 ± 22.271 χ^2/NDF : 57.4/119

- sign 16.859 ± 31.225 χ^2/NDF : 29.2/59

asym_bcm_dg_us_rms vs Slug



Right In: 178.848 $\pm$ 0.029 χ^2 /NDF: 2198143.4/34

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 177.826 $\pm$ 0.030 χ^2 /NDF: 2691450.4/36

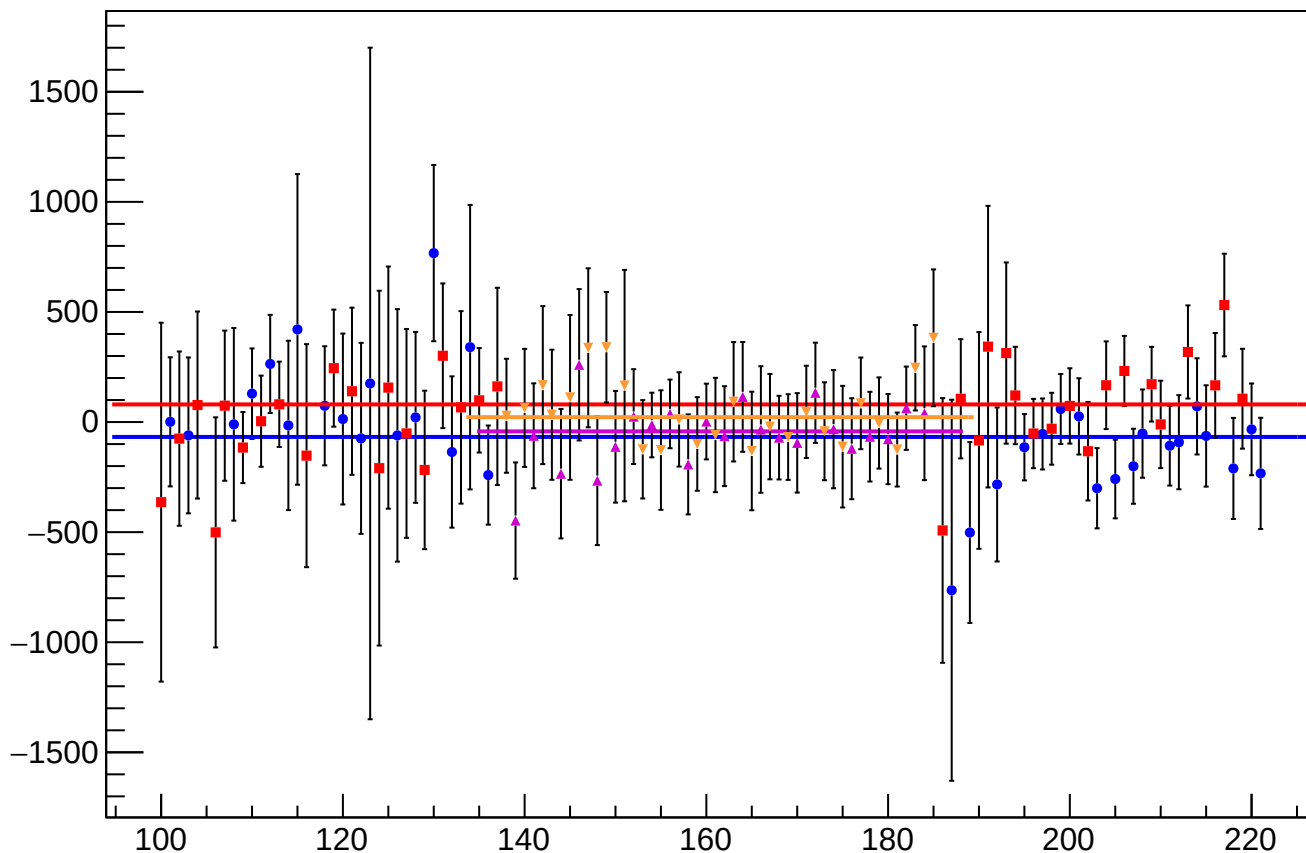
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 189.438 $\pm$ 0.022 χ^2 /NDF: 4184256.7/59

All: 185.401 $\pm$ 0.016 χ^2 /NDF: 8432625.8/119

- sign 181.503 $\pm$ 0.022 χ^2 /NDF: 4184920.7/59

asym_bcm_dg_ds_mean vs Slug



Right In: -67.630 ± 41.111 χ^2/NDF : 17.4/34

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 80.114 ± 41.616 χ^2/NDF : 15.7/36

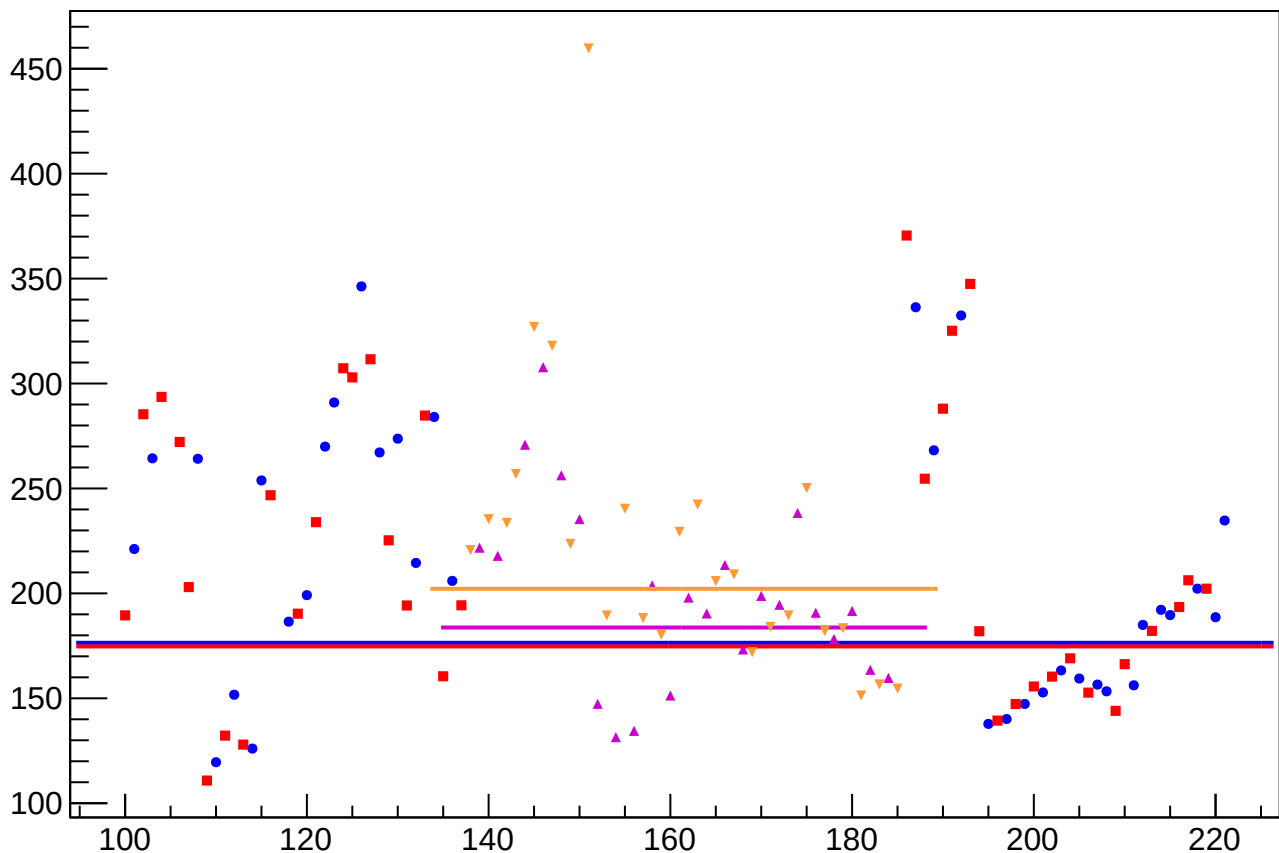
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -30.291 ± 31.425 χ^2/NDF : 27.7/59

All: -2.226 ± 22.003 χ^2/NDF : 55.6/119

- sign 24.767 ± 30.819 χ^2/NDF : 26.4/59

asym_bcm_dg_ds_rms vs Slug



Right In: 176.450 $\pm$ 0.029 χ^2 /NDF: 2287392.2/34

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF:1696571.9/24

Right Out: 174.715 $\pm$ 0.029 χ^2 /NDF: 2859650.0/36

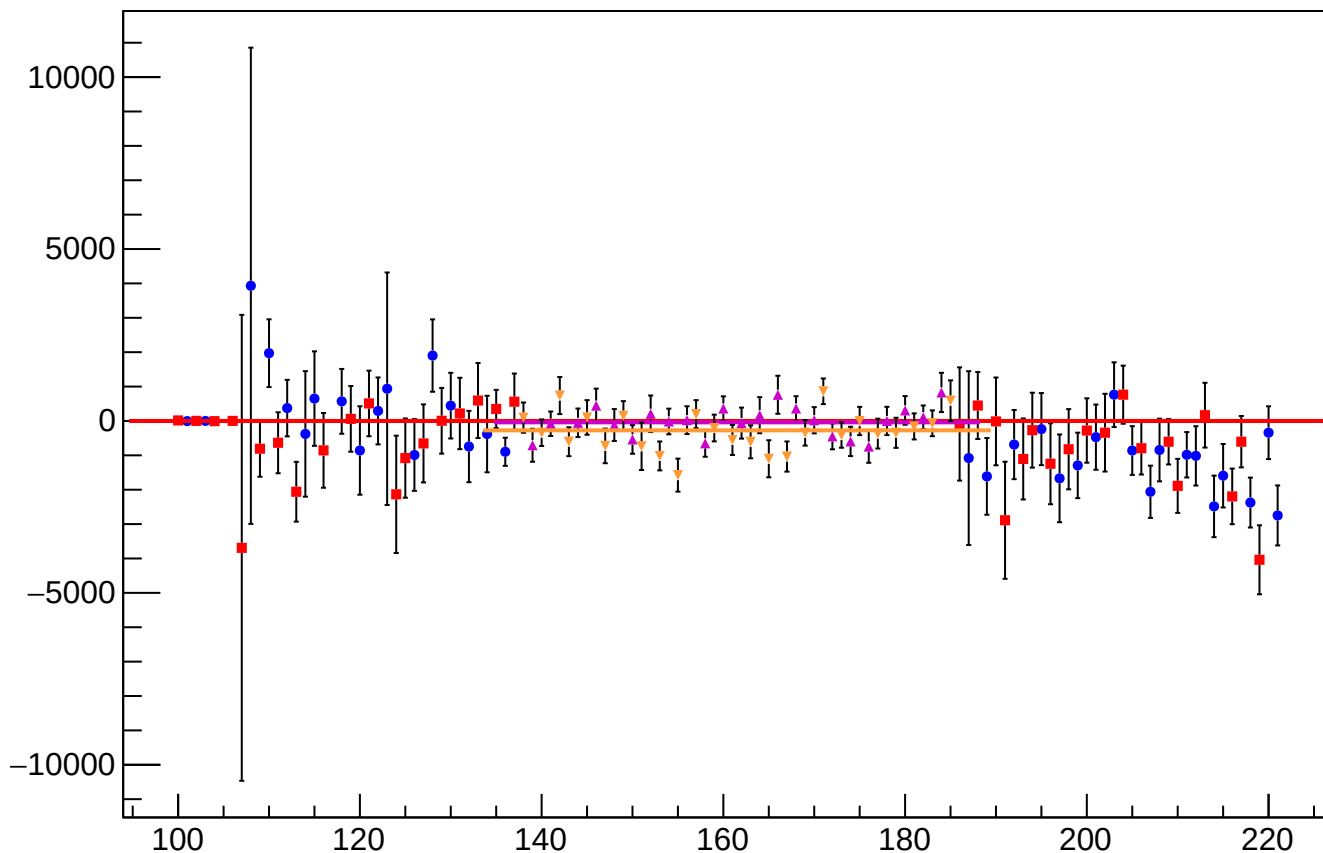
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF:1495930.4/22

+ sign 187.149 $\pm$ 0.022 χ^2 /NDF: 4309787.7/59

All: 182.887 $\pm$ 0.016 χ^2 /NDF: 8779968.4/119

- sign 178.787 $\pm$ 0.022 χ^2 /NDF: 4397987.7/59

asym_cav4bQ_mean vs Slug



Right In: -1.671 ± 2.251 χ^2/NDF : 68.8/34

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.805 ± 2.111 χ^2/NDF : 56.8/36

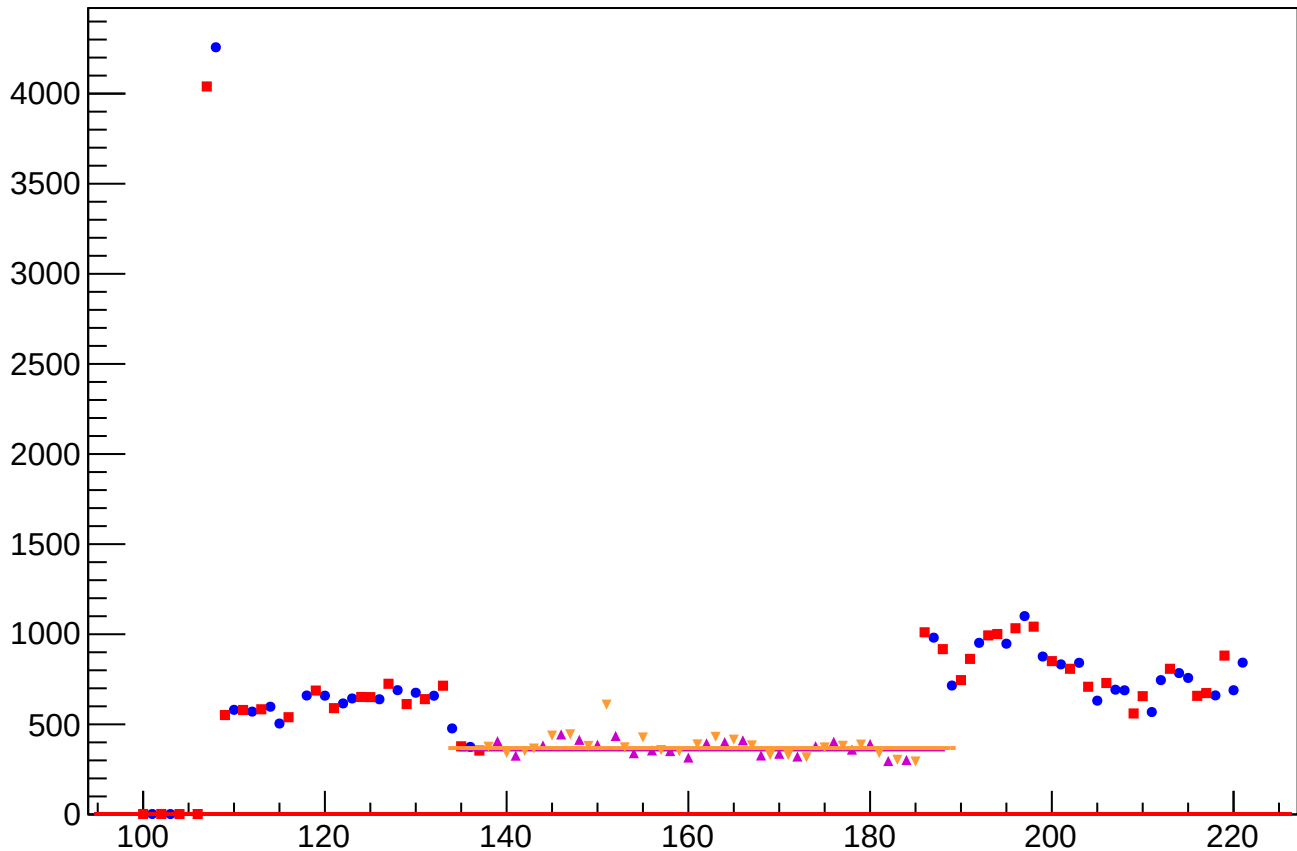
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.853 ± 2.251 χ^2/NDF : 117.0/59

All: -1.308 ± 1.539 χ^2/NDF : 194.2/119

- sign -0.828 ± 2.110 χ^2/NDF : 77.1/59

asym_cav4bQ_rms vs Slug



Right In: 2.542 ± 0.002 χ^2/NDF : 36750479.8/34

Left Out: 368.500 ± 0.061 χ^2/NDF : 623011.6/24

Right Out: 2.505 ± 0.001 χ^2/NDF : 35613171.2/36

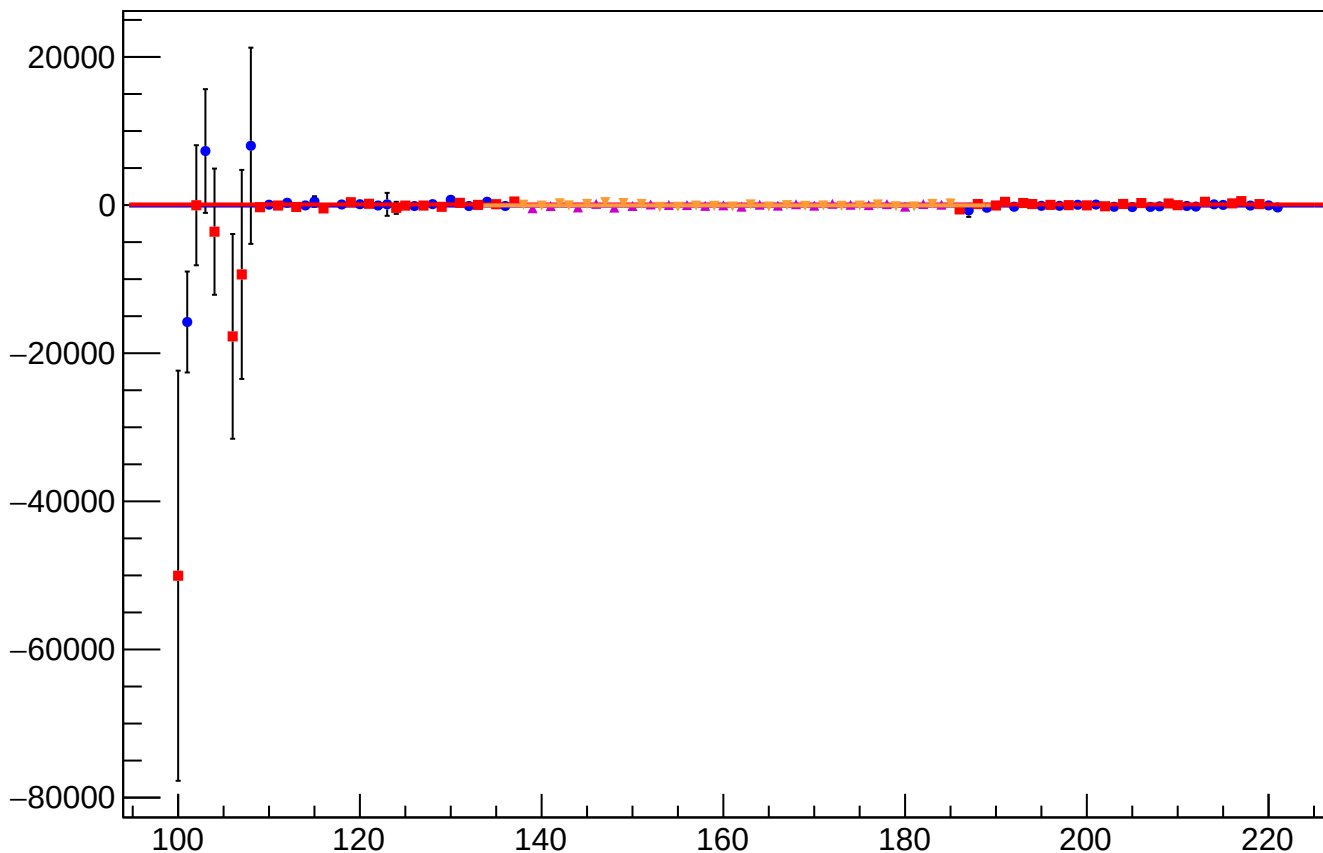
Left In: 360.571 ± 0.062 χ^2/NDF : 421995.5/22

+ sign 2.788 ± 0.002 χ^2/NDF : 72844099.6/59

All: 2.748 ± 0.001 χ^2/NDF : 142375980.8/119

- sign 2.713 ± 0.001 χ^2/NDF : 69530717.1/59

asym_cav4cQ_mean vs Slug



Right In: -64.454 $\pm$ 44.631 χ^2 /NDF: 22.4/34

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

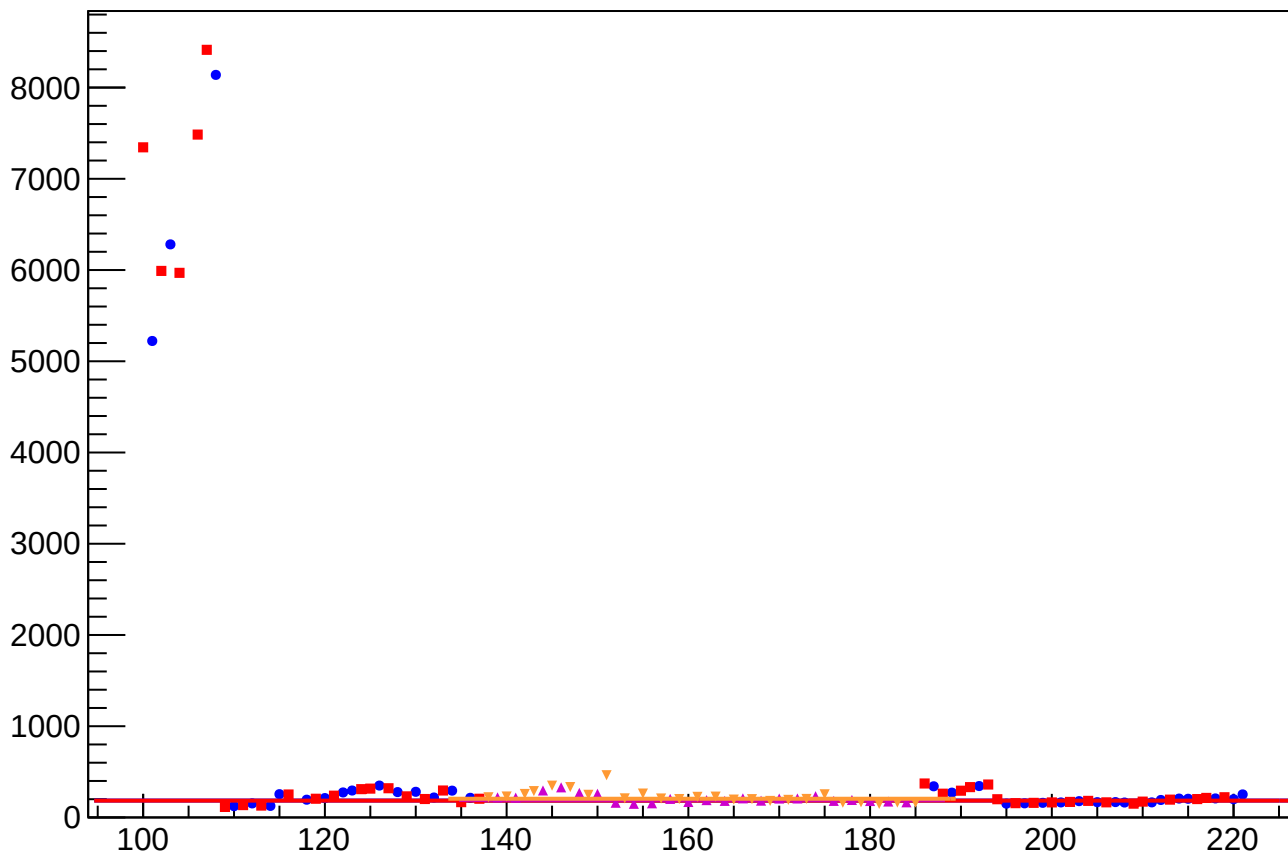
Left In: -28.062 $\pm$ 48.032 χ^2 /NDF: 9.6/22

+ sign -53.075 $\pm$ 33.170 χ^2 /NDF: 31.7/59

All: -11.834 $\pm$ 23.451 χ^2 /NDF: 75.5/119

- sign 29.384 $\pm$ 33.160 χ^2 /NDF: 40.7/59

asym_cav4cQ_rms vs Slug



Right In: 185.360+/-0.032 χ^2/NDF : 4742133.6/34

Left Out: 205.114+/-0.035 χ^2/NDF :1957484.4/24

Right Out: 184.336+/-0.032 χ^2/NDF : 5519420.7/36

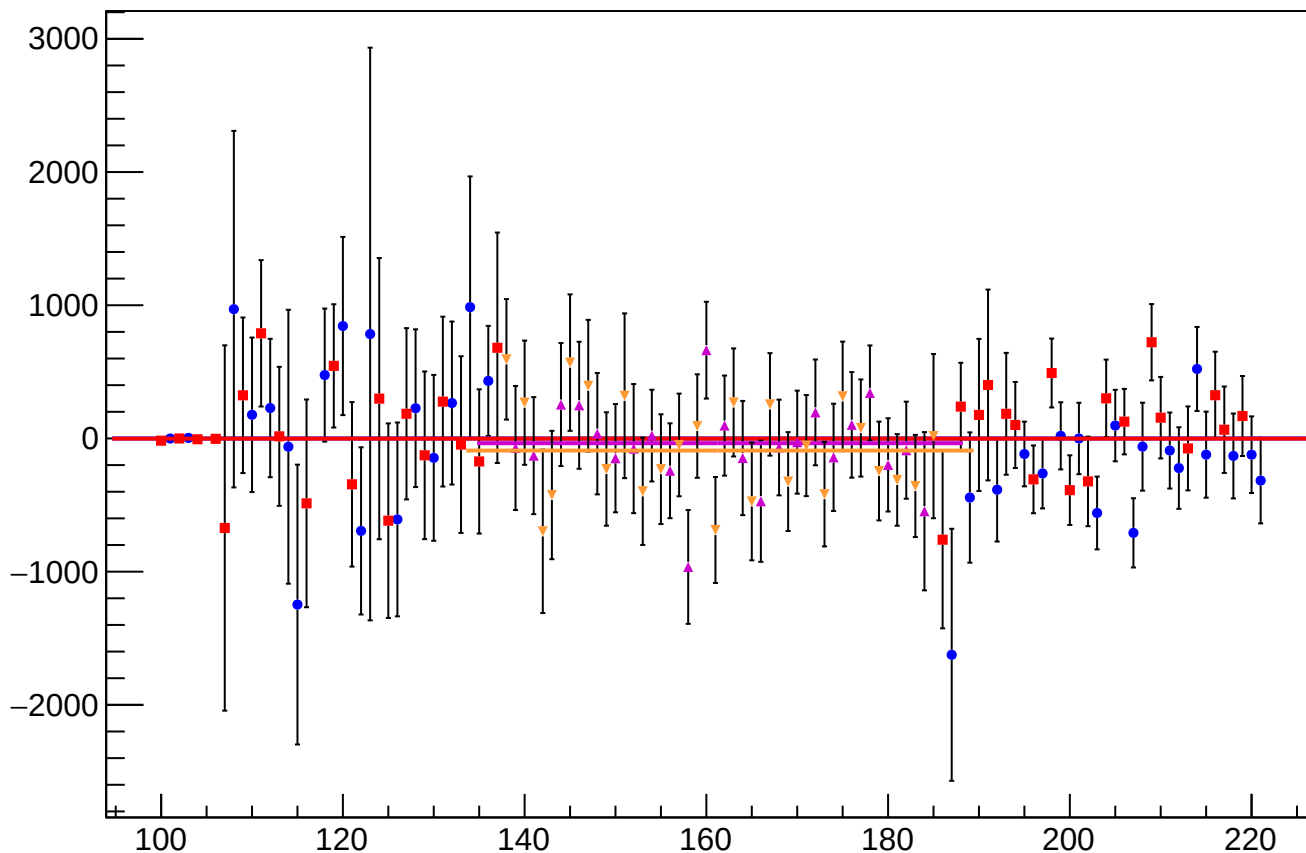
Left In: 193.616+/-0.034 χ^2/NDF :1179471.1/22

+ sign 194.203+/-0.023 χ^2/NDF : 6875008.3/59

All: 191.480+/-0.017 χ^2/NDF : 13639910.3/136

- sign 188.759+/-0.023 χ^2/NDF : 6737962.7/59

asym_cav4dQ_mean vs Slug



Right In: -0.244 ± 1.736 χ^2/NDF : 32.7/34

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.273 ± 1.622 χ^2/NDF : 29.4/36

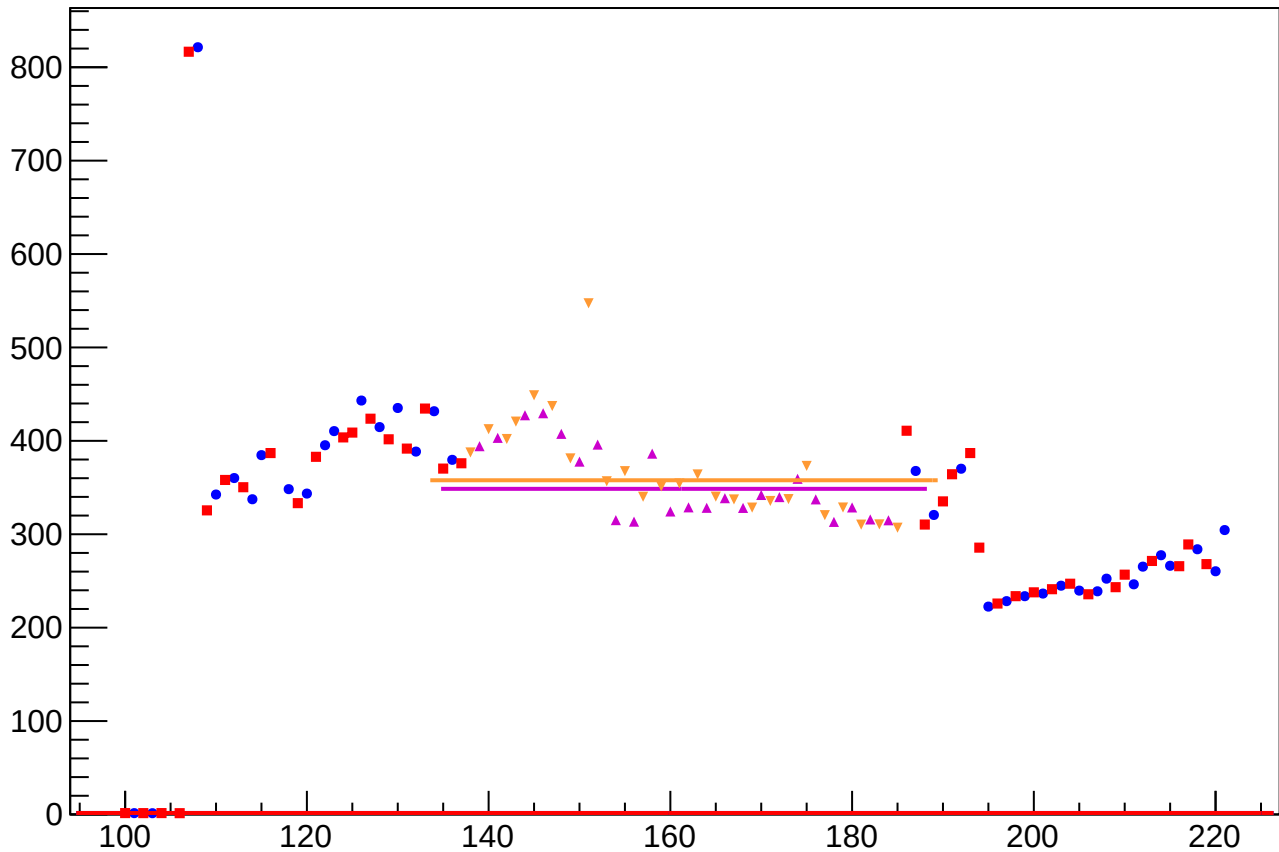
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.282 ± 1.736 χ^2/NDF : 50.3/59

All: -0.818 ± 1.185 χ^2/NDF : 93.5/119

- sign -1.286 ± 1.622 χ^2/NDF : 43.0/59

asym_cav4dQ_rms vs Slug



Right In: 1.604 $\pm$ 0.001 χ^2 /NDF: 36887306.5/34

Left Out: 357.804 $\pm$ 0.059 χ^2 /NDF: 547036.5/24

Right Out: 1.572 $\pm$ 0.001 χ^2 /NDF: 35314859.7/36

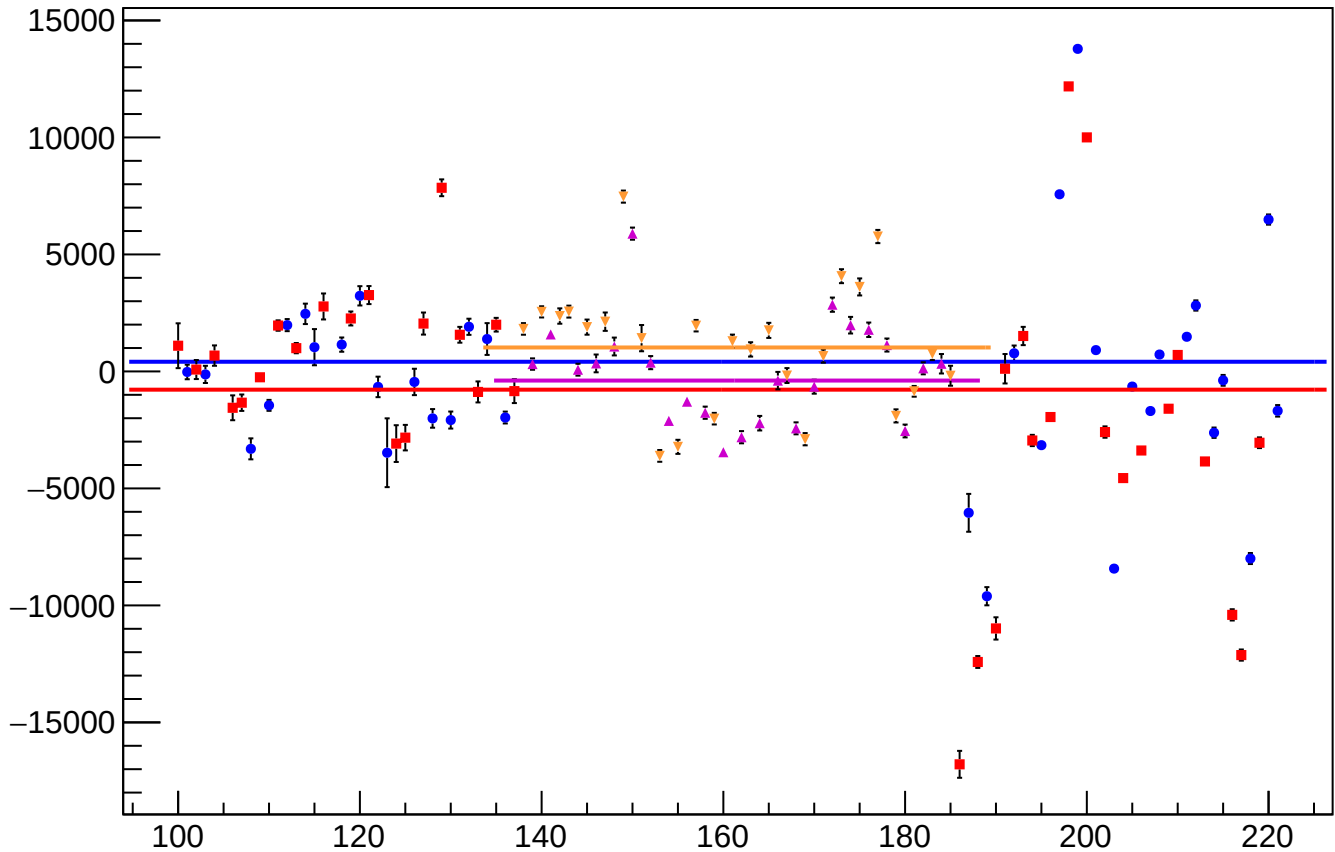
Left In: 348.611 $\pm$ 0.060 χ^2 /NDF: 362511.2/22

+ sign 1.756 $\pm$ 0.001 χ^2 /NDF: 73315131.1/59

All: 1.726 $\pm$ 0.001 χ^2 /NDF: 142809707.2/119

- sign 1.700 $\pm$ 0.001 χ^2 /NDF: 69493462.7/59

asym_bcm0l02_mean vs Slug



Right In: 413.187 $\pm$ 44.070 χ^2 /NDF: 13485.5/34

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

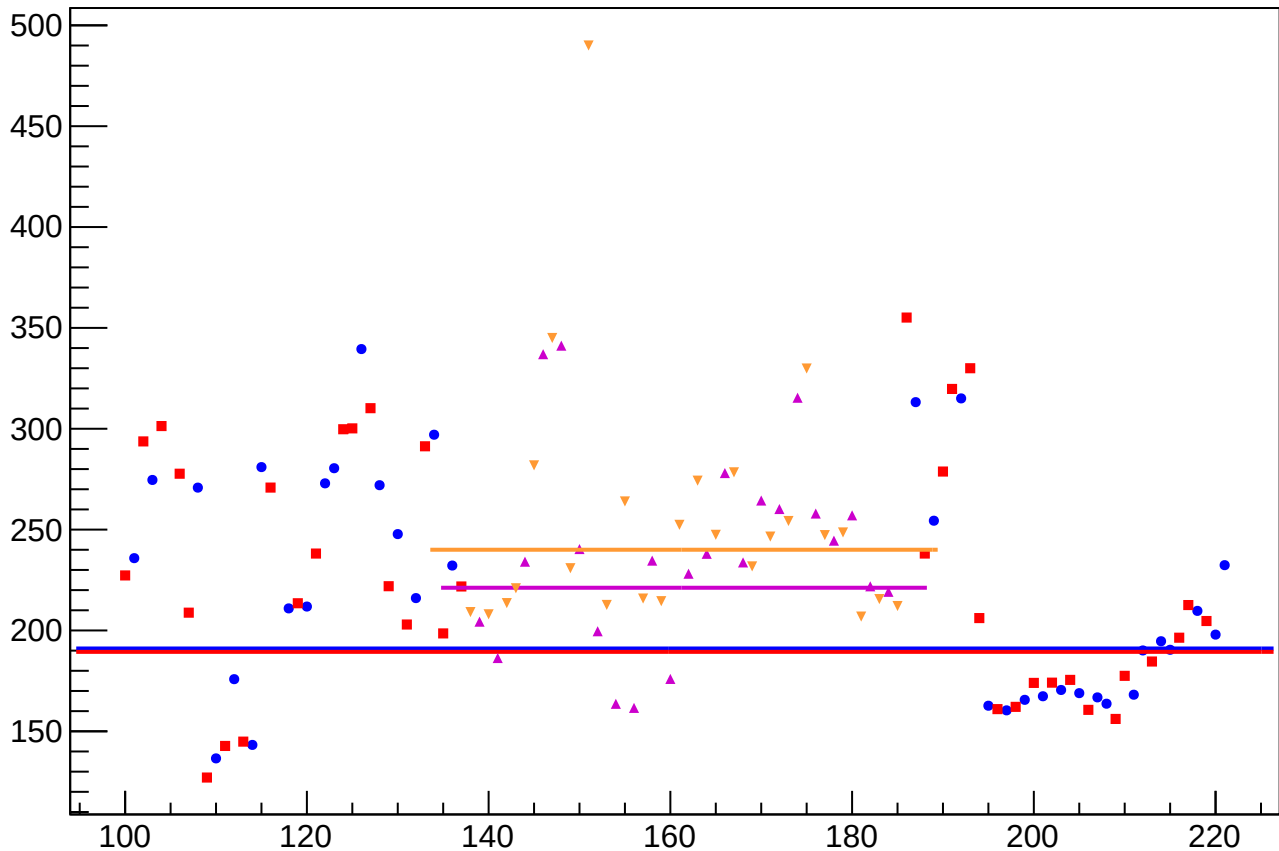
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF:1584.9/22

+ sign 639.814 $\pm$ 34.942 χ^2 /NDF: 15866.1/59

All: 1.235 $\pm$ 24.589 χ^2 /NDF: 36145.1/119

- sign -625.208 $\pm$ 34.608 χ^2 /NDF: 19617.3/59

asym_bcm0l02_rms vs Slug



Right In: 191.058 $\pm$ 0.031 χ^2 /NDF: 1620902.9/34

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 189.394 $\pm$ 0.032 χ^2 /NDF: 2154206.9/36

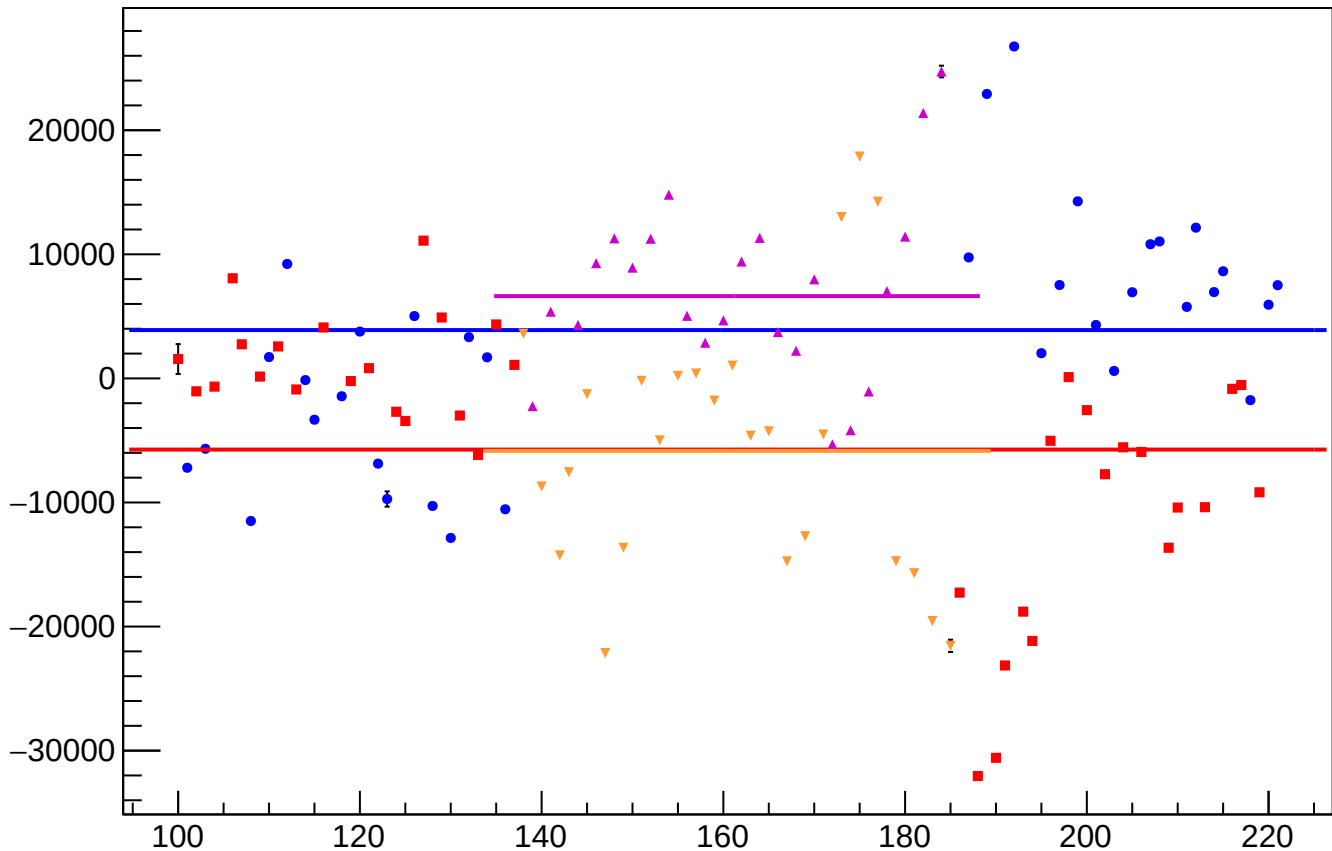
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 209.241 $\pm$ 0.025 χ^2 /NDF: 3540052.4/59

All: 205.590 $\pm$ 0.017 χ^2 /NDF: 7483703.4/119

- sign 202.008 $\pm$ 0.024 χ^2 /NDF: 3900394.3/59

asym_bpm2i01WS_mean vs Slug



Right In: 3893.028 ± 32.471 $\chi^2/\text{NDF}: 85526.5/34$

Left Out: -5841.615 ± 35.848 $\chi^2/\text{NDF}: 63397.3/24$

Right Out: -5736.831 ± 31.744 $\chi^2/\text{NDF}: 105940.0/36$

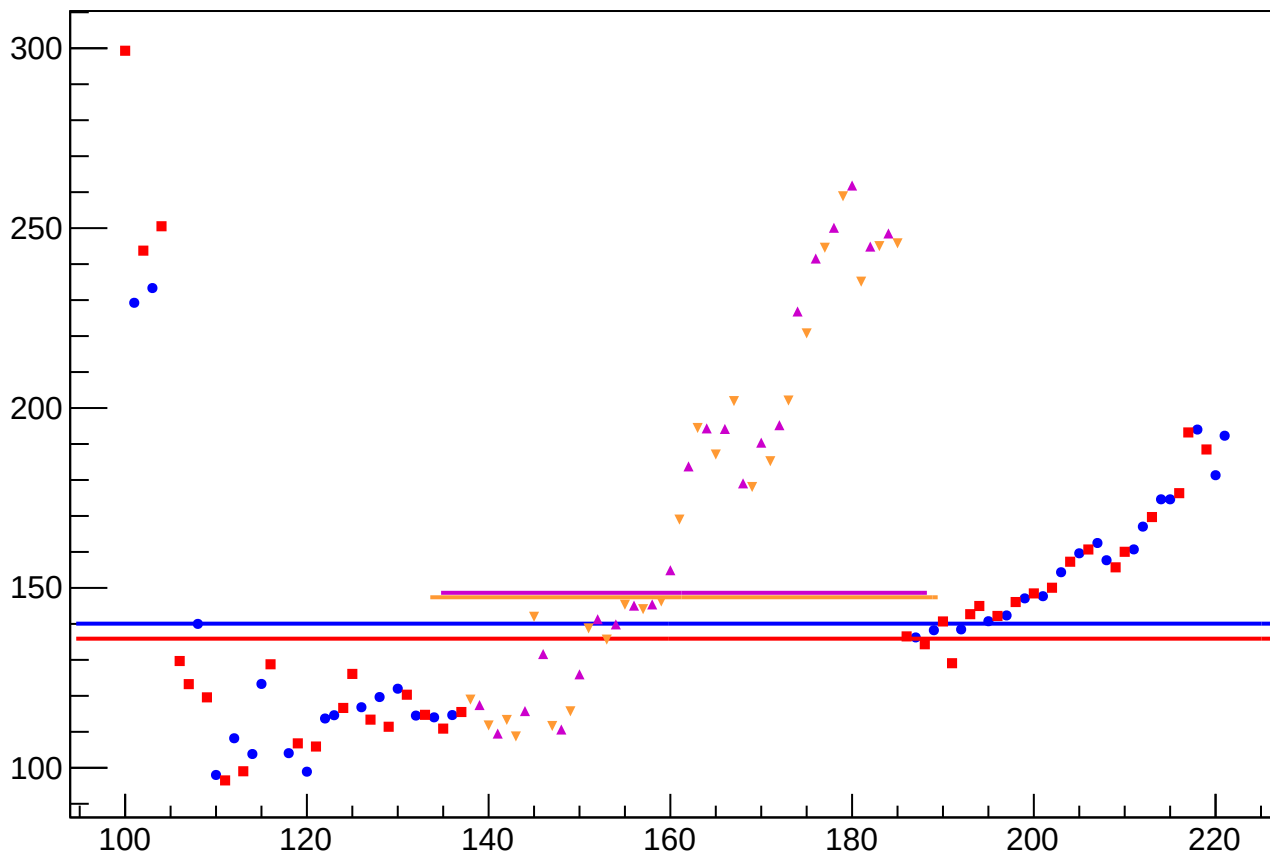
Left In: 6628.388 ± 37.160 $\chi^2/\text{NDF}: 21738.0/22$

+ sign -494.338 ± 24.066 $\chi^2/\text{NDF}: 189430.9/59$

All: -507.197 ± 17.042 $\chi^2/\text{NDF}: 381121.9/11$

- sign -520.131 ± 24.136 $\chi^2/\text{NDF}: 191690.4/59$

asym_bpm2i01WS_rms vs Slug



Right In: 140.067+/-0.023 χ^2/NDF : 1653737.6/34

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 135.892+/-0.022 χ^2/NDF : 1584370.2/36

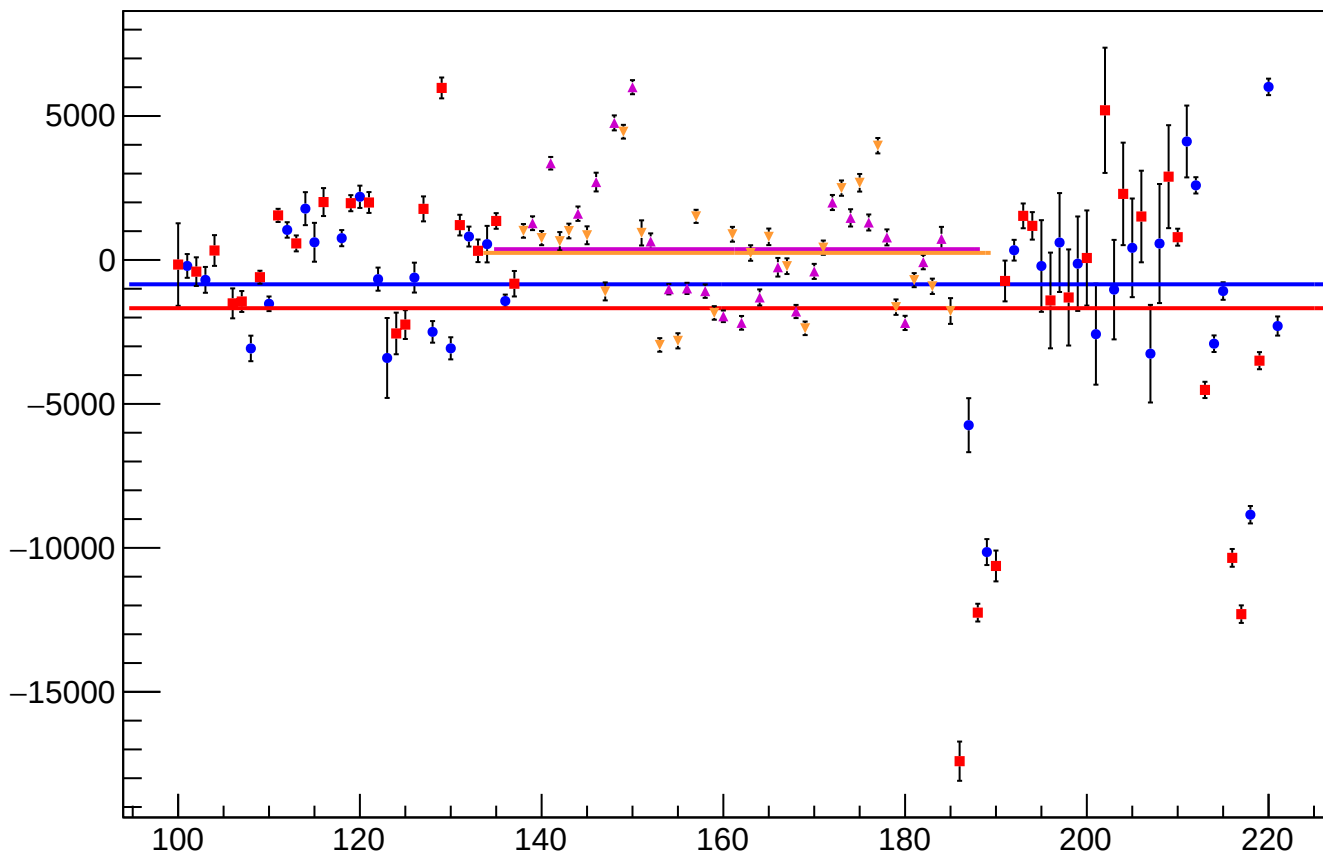
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 143.370+/-0.017 χ^2/NDF : 4216755.6/59

All: 142.324+/-0.012 χ^2/NDF : 8360358.4/119

- sign 141.271+/-0.017 χ^2/NDF : 4136016.9/59

asym_bpm0i07WS_mean vs Slug



Right In: -845.429 ± 69.050 χ^2/NDF : 2272.7/34

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -1675.248 ± 65.274 χ^2/NDF : 5691.7/36

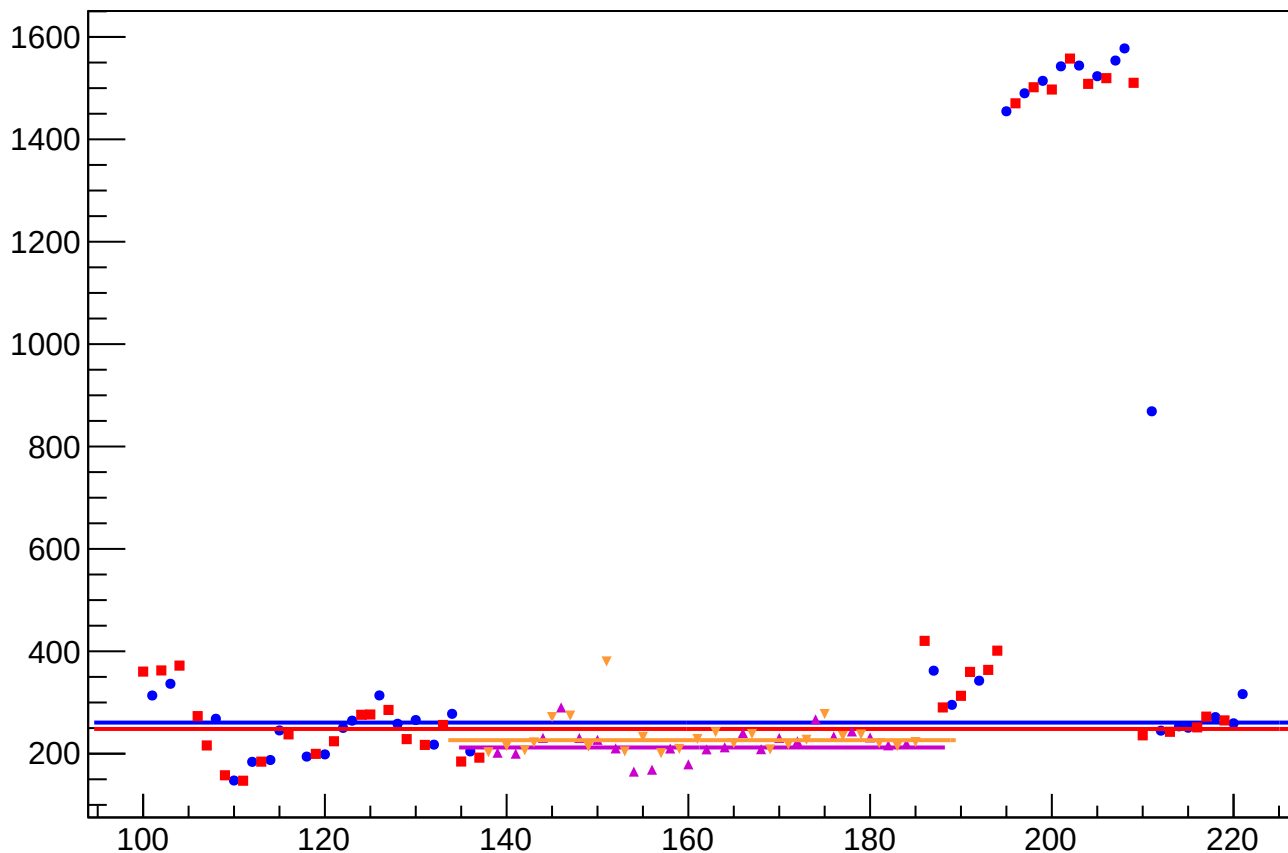
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -163.269 ± 42.287 χ^2/NDF : 3783.8/59

All: -296.435 ± 29.294 χ^2/NDF : 11897.0/119

- sign -419.308 ± 40.620 χ^2/NDF : 8094.2/59

asym_bpm0i07WS_rms vs Slug



Right In: 260.777 $\pm$ 0.049 χ^2 /NDF: 10260880.5/34

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 248.315 $\pm$ 0.046 χ^2 /NDF: 9293963.3/36

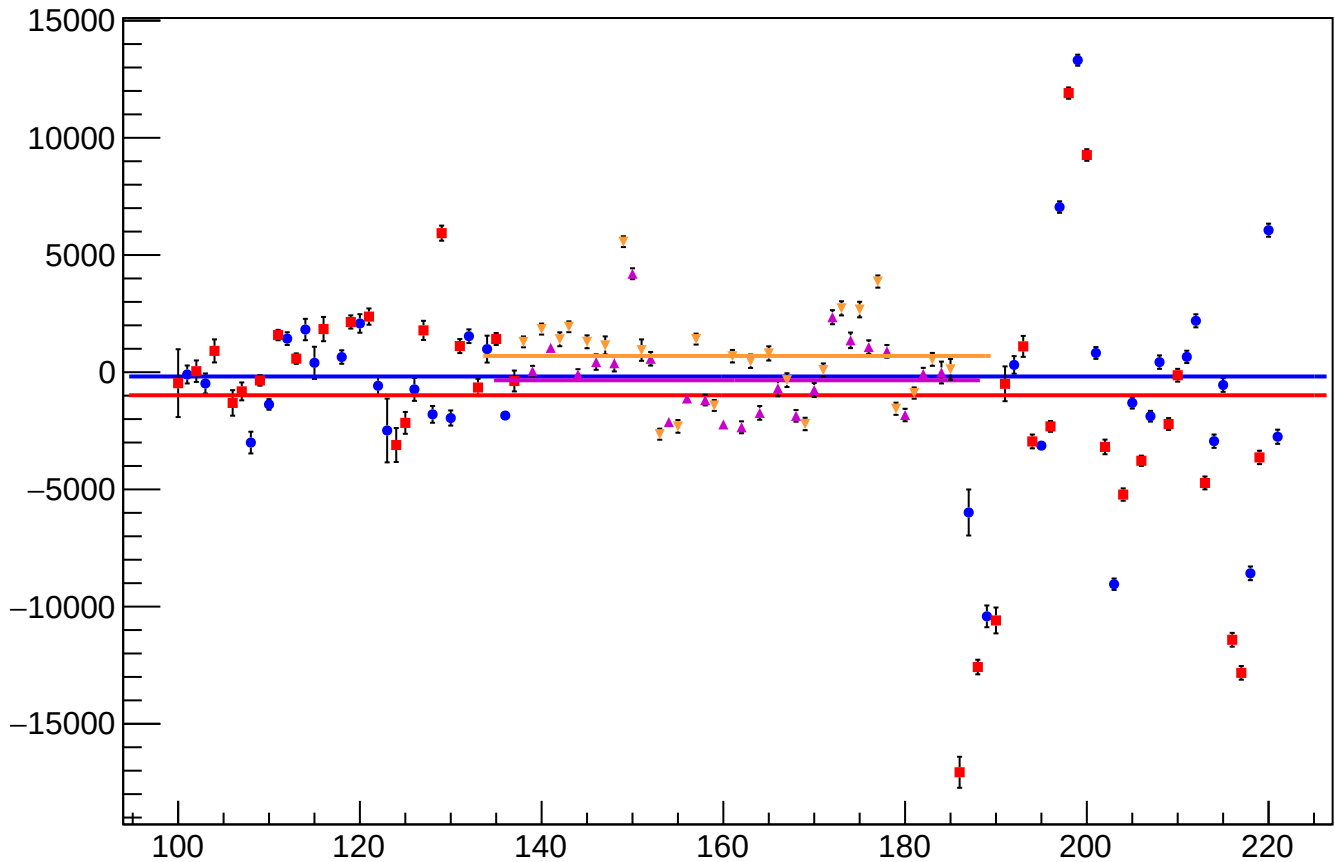
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 239.278 $\pm$ 0.030 χ^2 /NDF: 11092885.5/59

All: 232.451 $\pm$ 0.021 χ^2 /NDF: 21455062.2/11

- sign 226.152 $\pm$ 0.029 χ^2 /NDF: 10261962.8/59

asym_bpm0l01WS_mean vs Slug



Right In: -181.909 ± 51.490 $\chi^2/\text{NDF}: 8184.5/34$

Left Out: 694.326 ± 54.246 $\chi^2/\text{NDF}: 1422.1/24$

Right Out: -983.783 ± 51.584 $\chi^2/\text{NDF}: 11747.3/36$

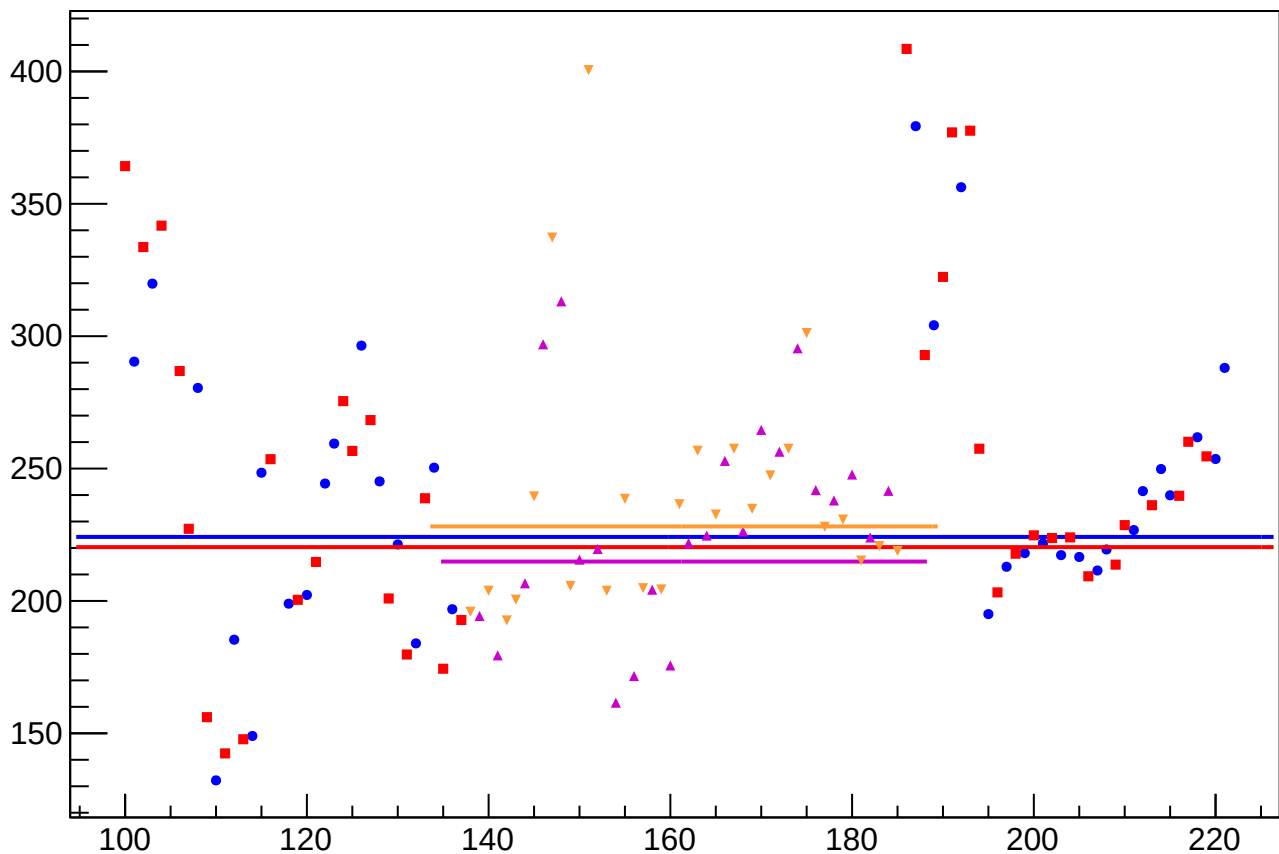
Left In: -344.578 ± 52.954 $\chi^2/\text{NDF}: 985.0/22$

+ sign 233.385 ± 37.346 $\chi^2/\text{NDF}: 9743.9/59$

All: -224.407 ± 26.266 $\chi^2/\text{NDF}: 22848.3/119$

- sign -672.558 ± 36.950 $\chi^2/\text{NDF}: 12807.0/59$

asym_bpm0l01WS_rms vs Slug



Right In: 224.179 $\pm$ 0.036 χ^2 /NDF: 1354592.2/34

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF:828399.3/24

Right Out: 220.331 $\pm$ 0.036 χ^2 /NDF: 1918018.7/36

Left In: 214.878 $\pm$ 0.037 χ^2 /NDF:1037509.6/22

+ sign 226.058 $\pm$ 0.026 χ^2 /NDF: 2188611.4/59

All: 221.822 $\pm$ 0.019 χ^2 /NDF: 5205933.4/119

- sign 217.676 $\pm$ 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

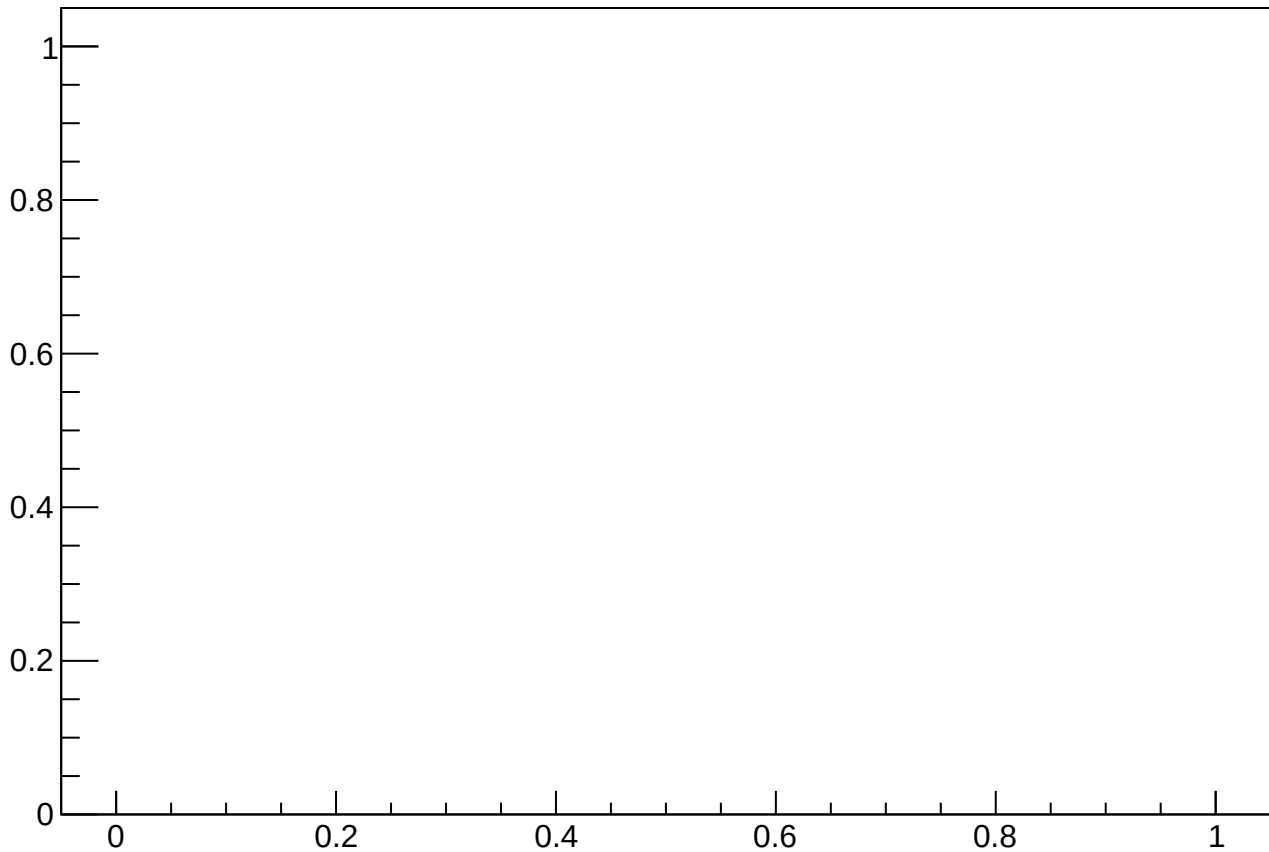
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

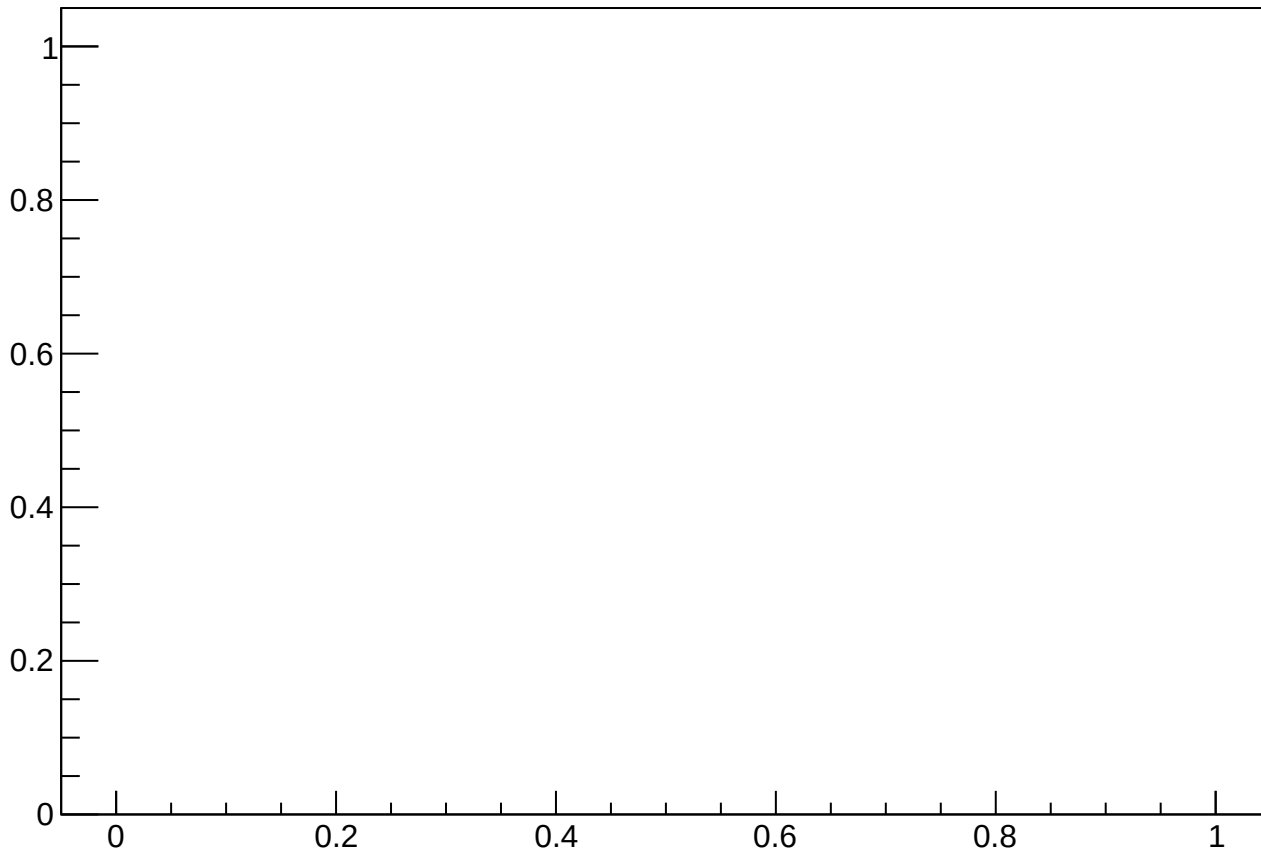
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

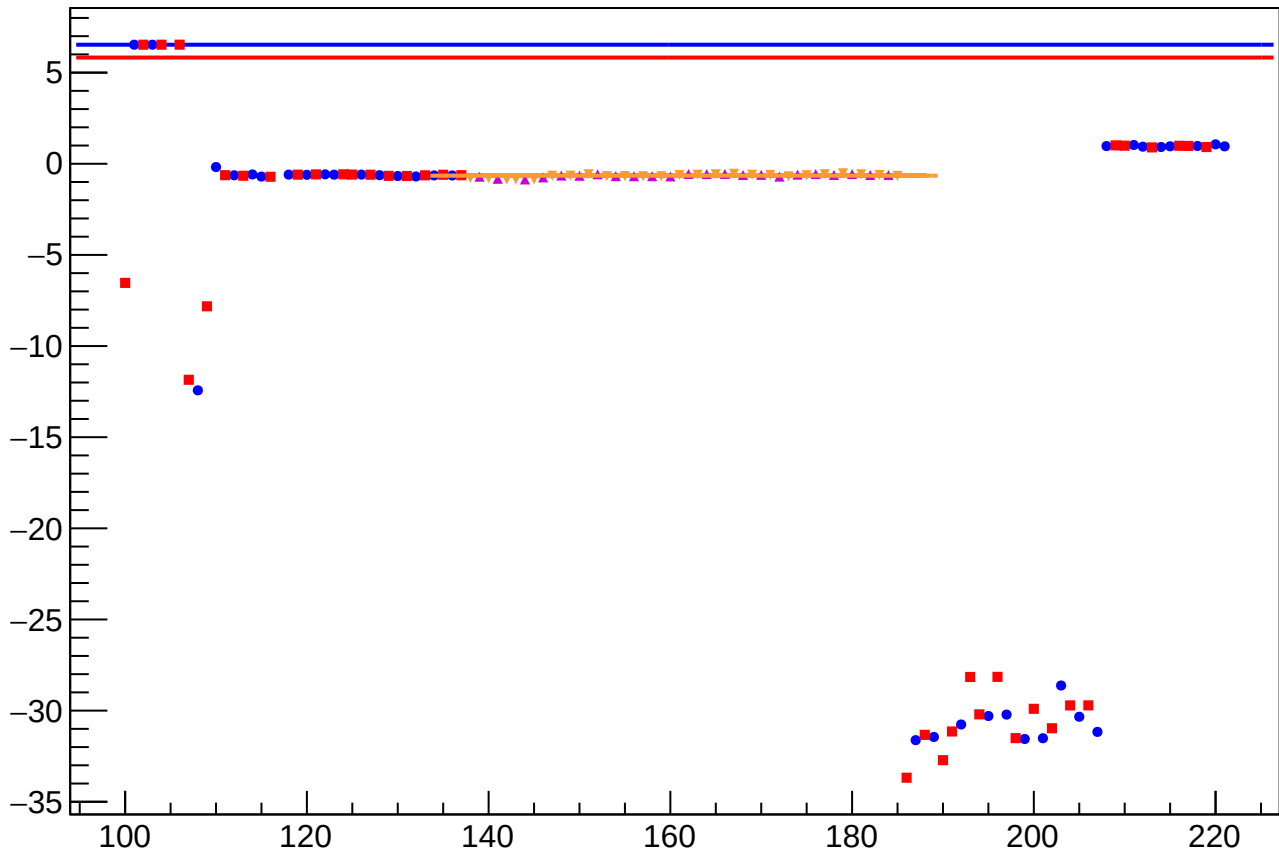
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 143061384248.5/34

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

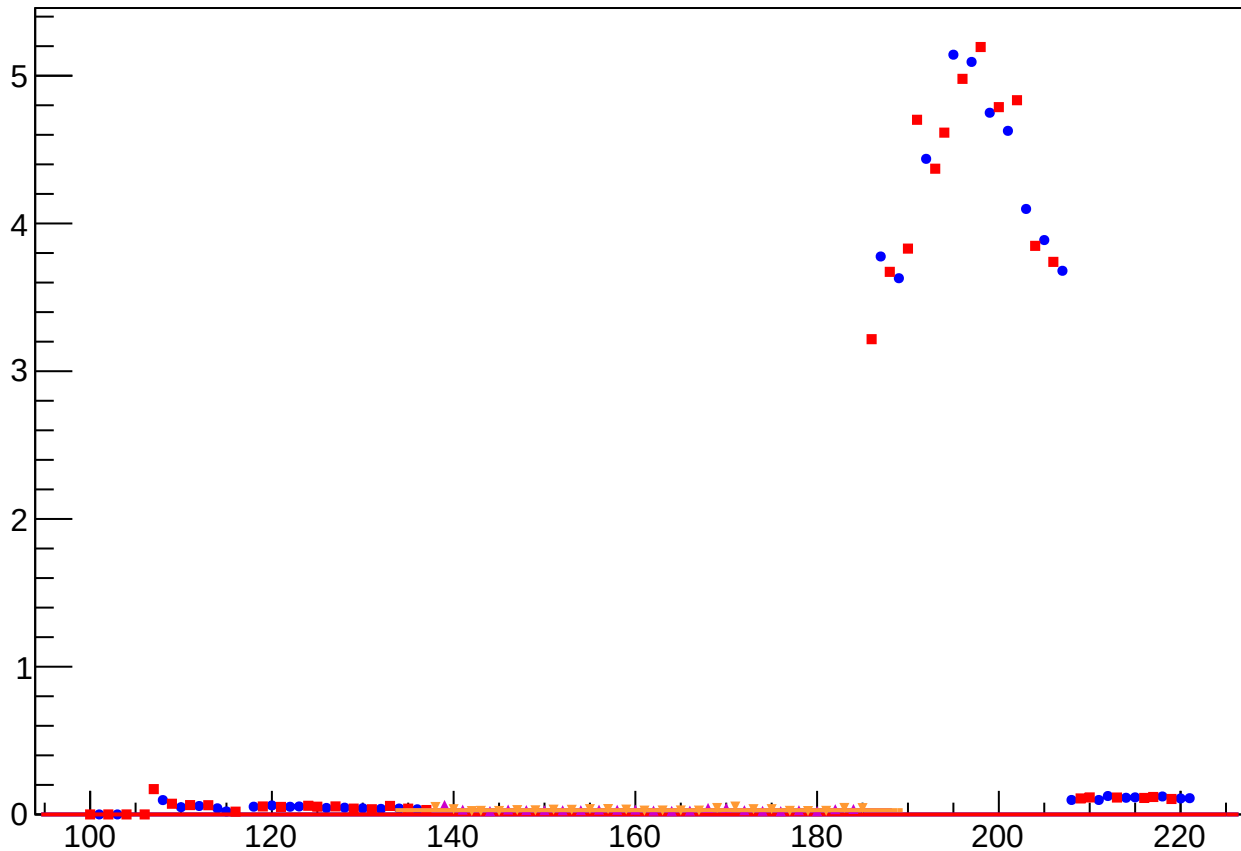
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1016892183134.8/59

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77765021810002

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756649061108981.1/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 34610647.8/34

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 33485831.2/36

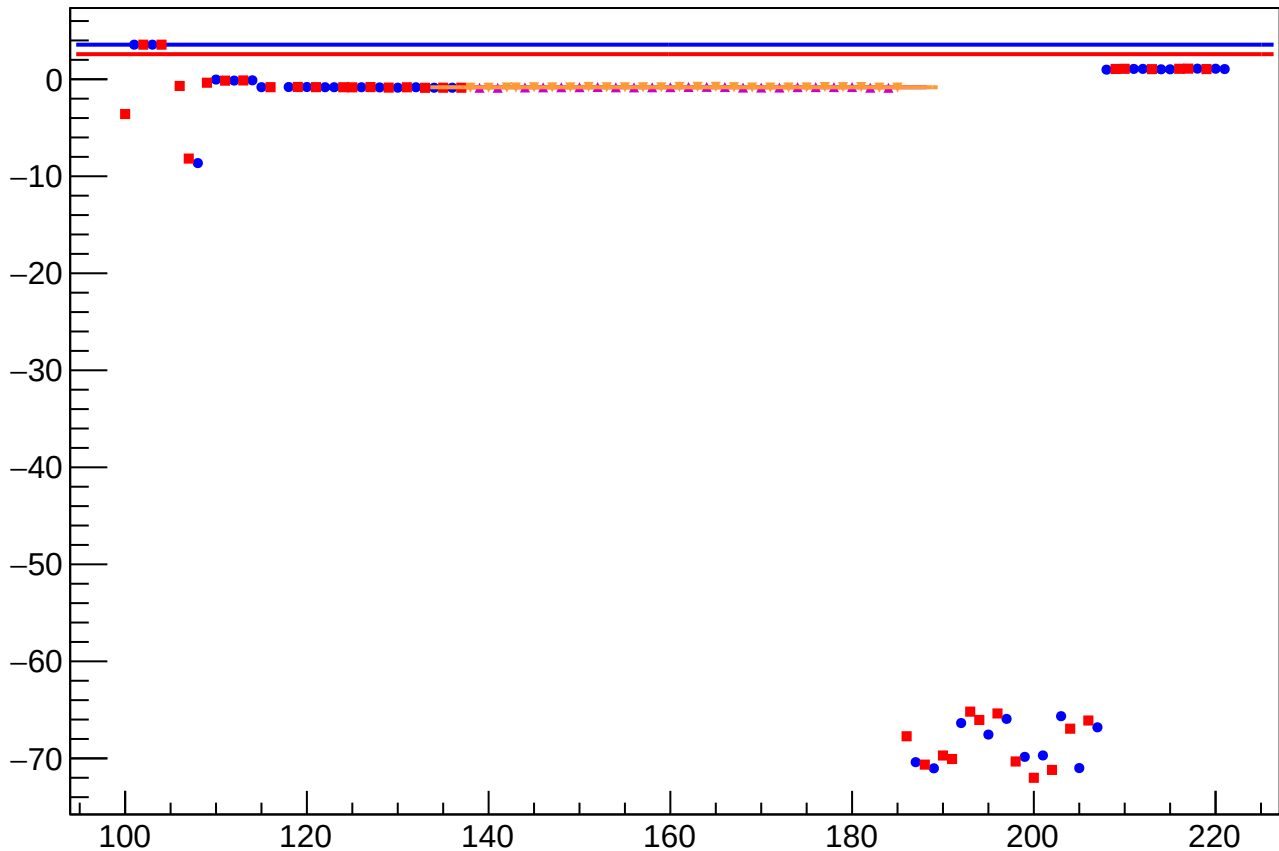
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 64572996.7/59

All: 0.000+/-0.000 χ^2/NDF : 126240628.0/119

- 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 : 610705287231.5/34

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253565465949878.0/36

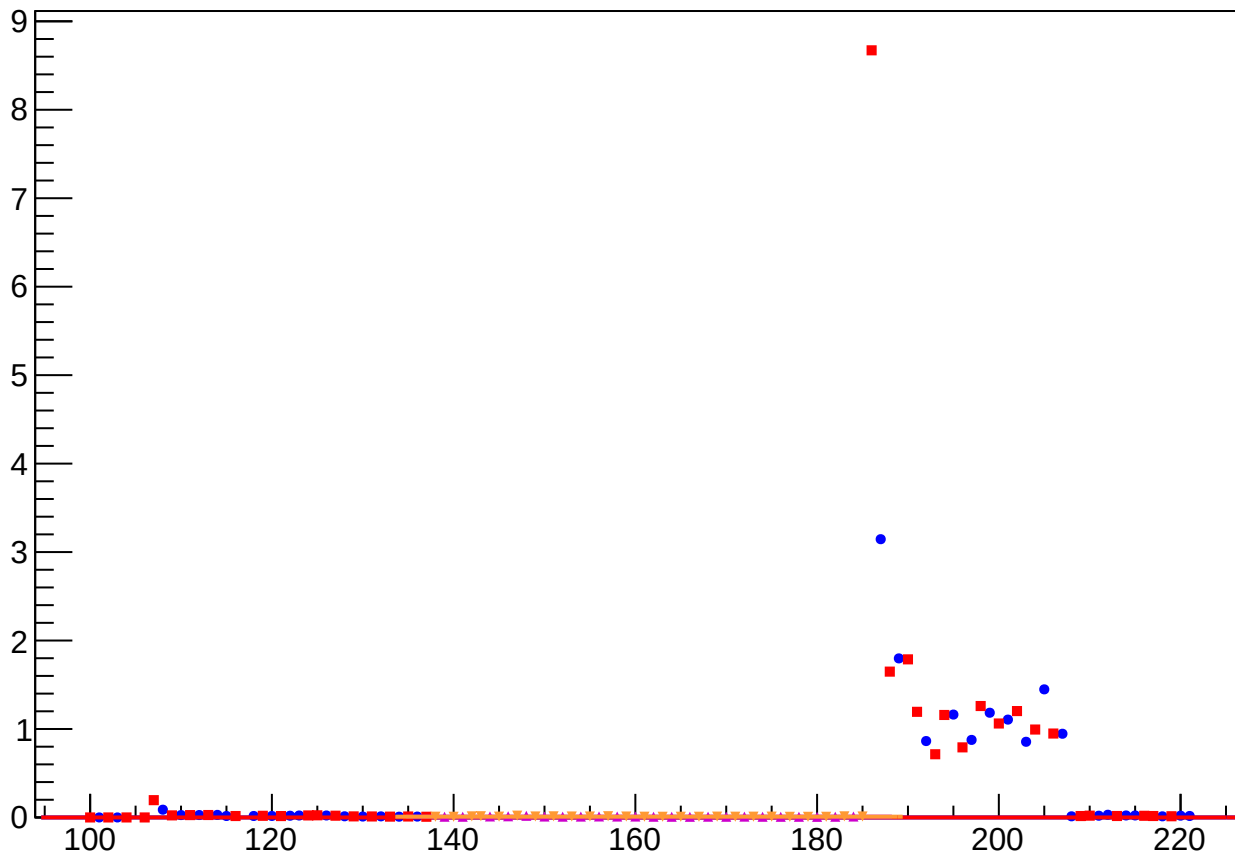
Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560+/-0.000 χ^2/NDF : 4306872960681.3/59

All: 3.037+/-0.000 χ^2/NDF : 13881567534214

- sign 2.581+/-0.000 χ^2/NDF : 1255786454937994.2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 31442269.3/34

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 31074840.5/36

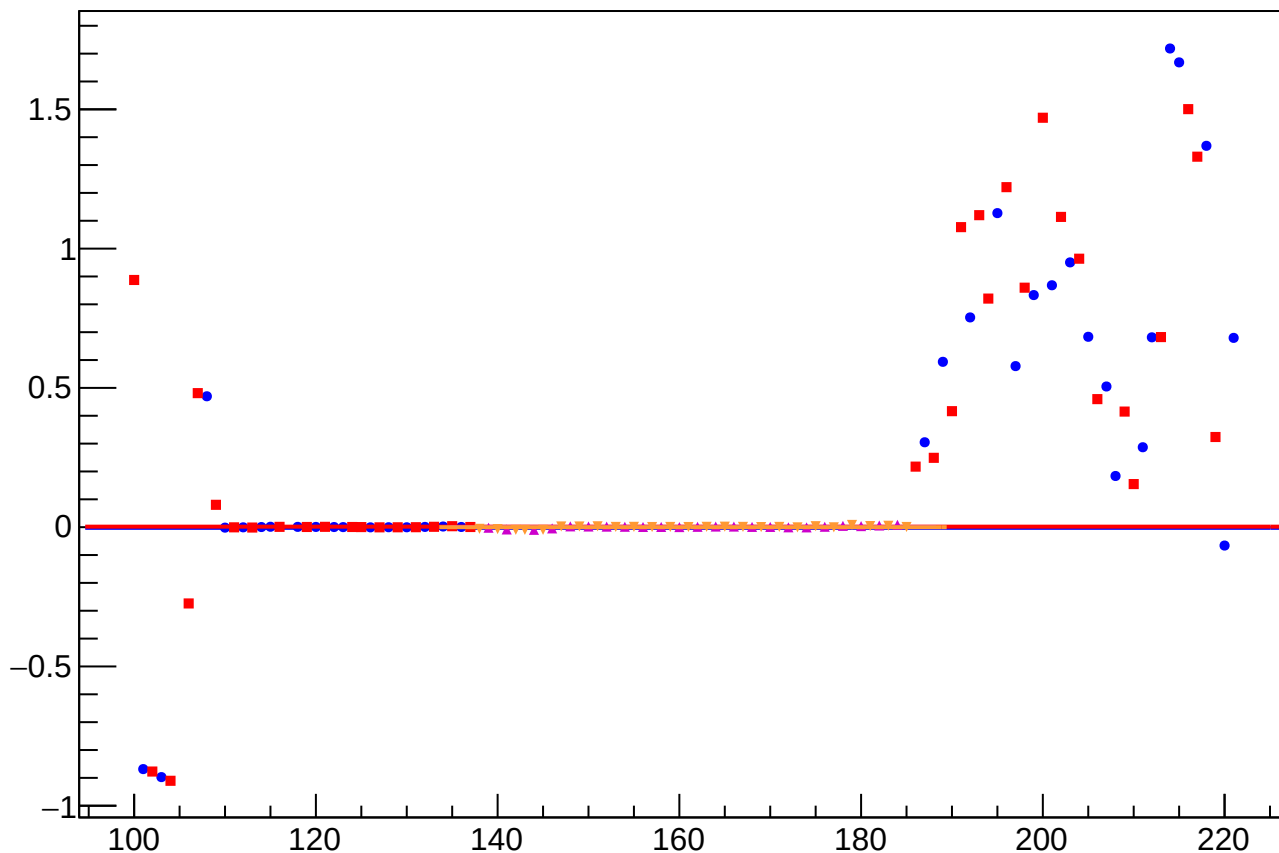
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 62942967.5/59

All: 0.000+/-0.000 χ^2/NDF : 123820132.3/119

- sign 0.000+/-0.000 χ^2/NDF : 60875777.5/59

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9797510653.3/34

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3044231540.2/36

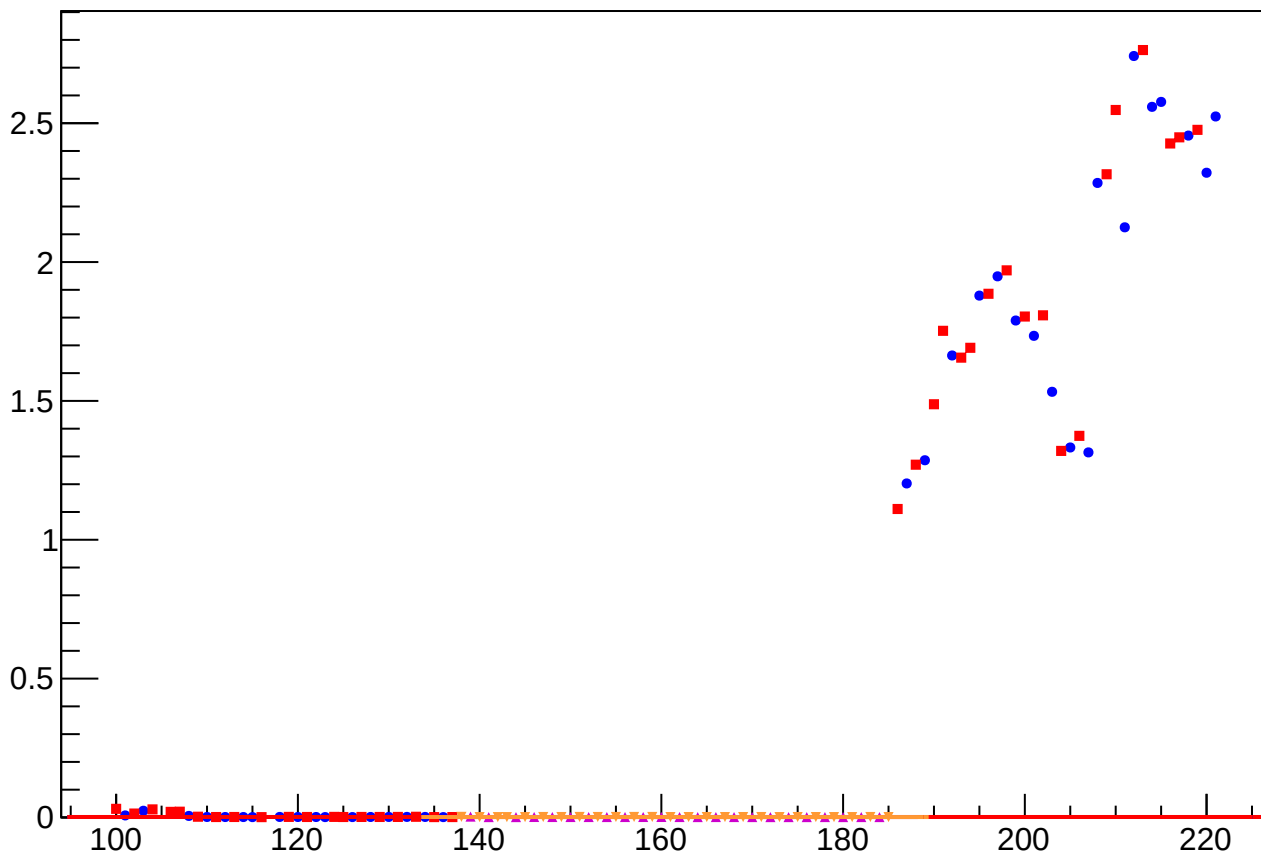
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9956025119.4/59

All: 0.000 ± 0.000 χ^2/NDF : 13111256517.4/119

- sign 0.001 ± 0.000 χ^2/NDF : 3147680149.9/59

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 27675938.1/34

Left Out: 0.001+/-0.000 χ^2/NDF : 539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 27157461.8/36

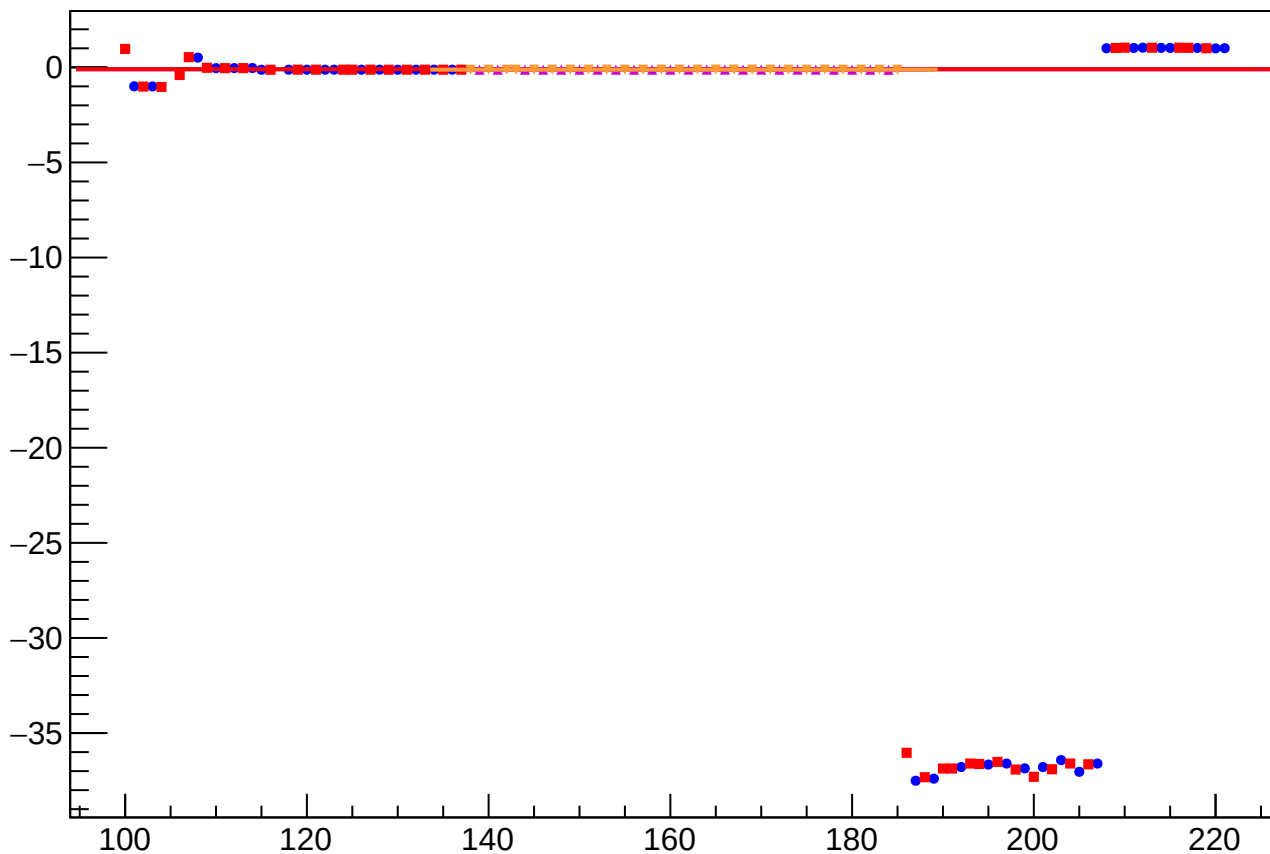
Left In: 0.001+/-0.000 χ^2/NDF : 659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 28287904.0/59

All: 0.002+/-0.000 χ^2/NDF : 56224680.4/119

- sign 0.002+/-0.000 χ^2/NDF : 27928911.5/59

yield_cav4cY_mean vs Slug



Right In: -0.098+/-0.000 χ^2/NDF : 114707545129.4/34

Left Out: -0.121+/-0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.099+/-0.000 χ^2/NDF : 106476744741.9/36

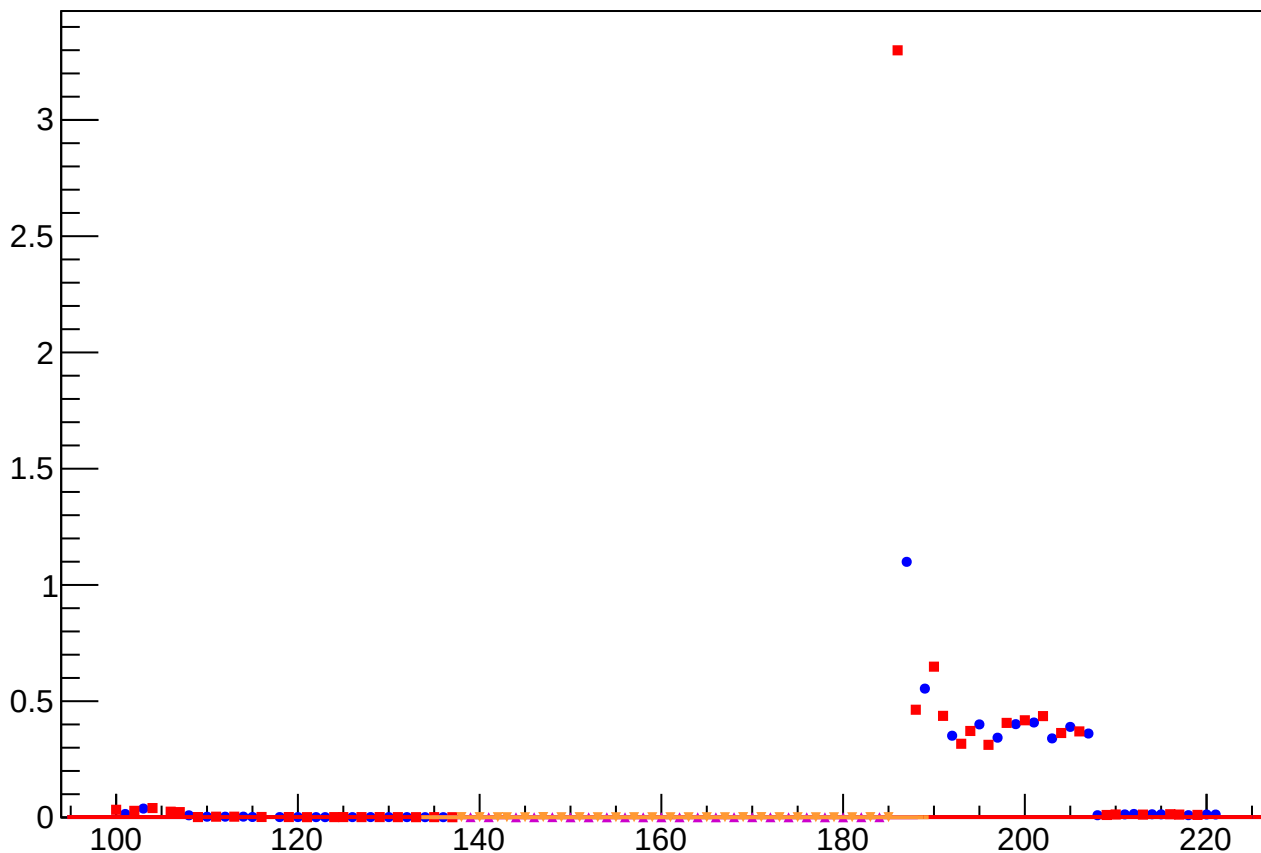
Left In: -0.121+/-0.000 χ^2/NDF : 53134323.3/22

+ sign -0.119+/-0.000 χ^2/NDF : 115679953103.6/59

All: -0.119+/-0.000 χ^2/NDF : 223064155116.2

- sign -0.119+/-0.000 χ^2/NDF : 107383686739.8/59

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 24788018.2/34

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 24889374.9/36

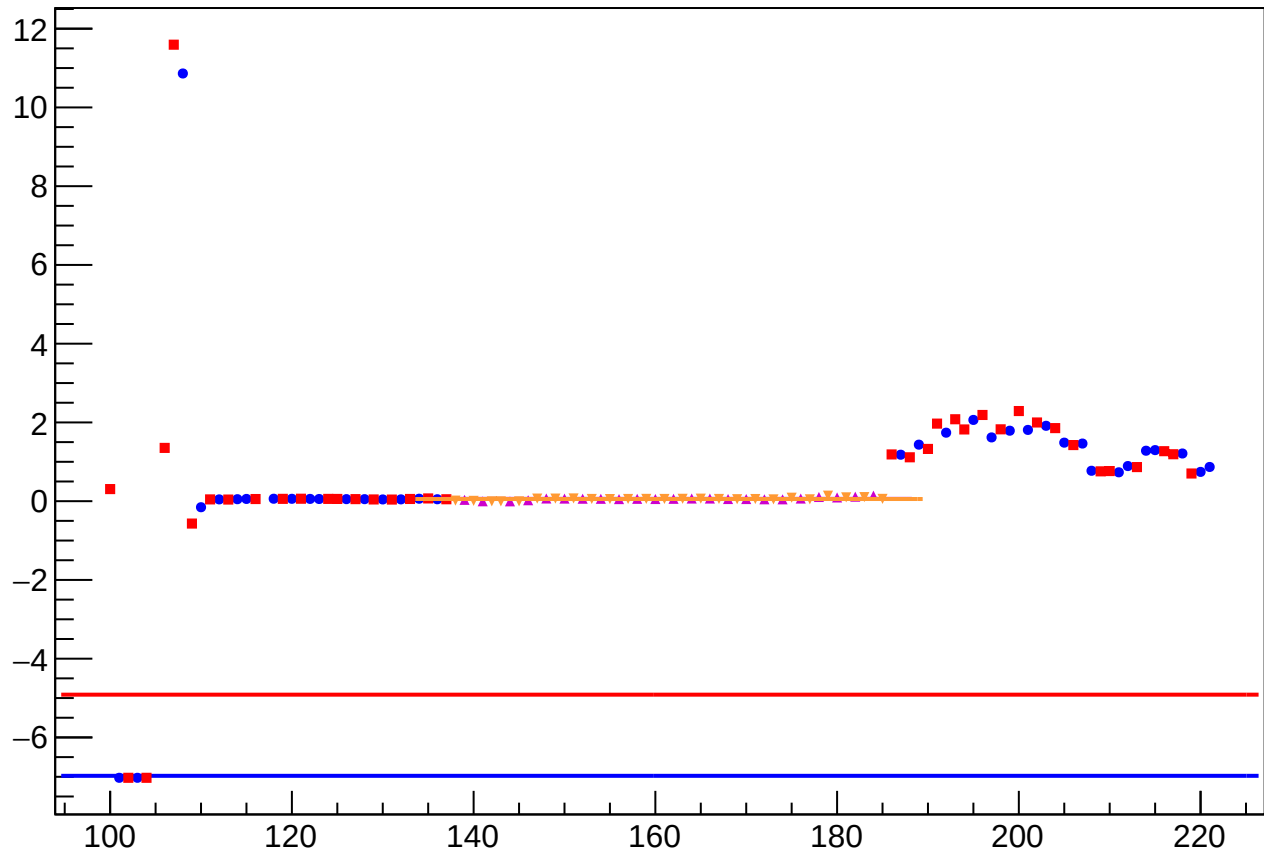
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 28395920.9/59

All: 0.001+/-0.000 χ^2/NDF : 56149641.9/119

- 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 : 8763306111710.8/34

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348939813044.2/36

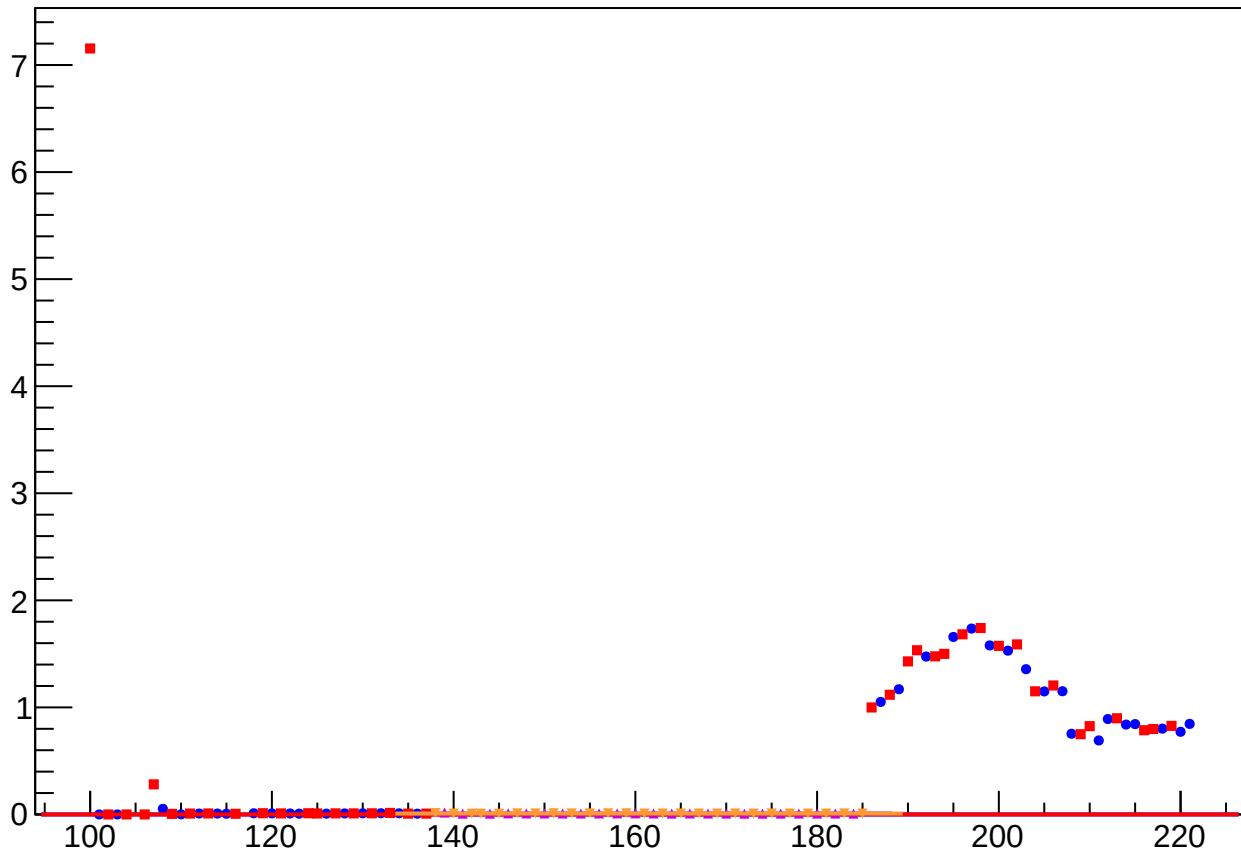
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18418285504909.9/34

All: -5.858 ± 0.000 χ^2/NDF : 4435823363966.2/34

- sign -4.882 ± 0.000 χ^2/NDF : 369771227716128.5/34

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 34007413.6/34

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 32924838.8/36

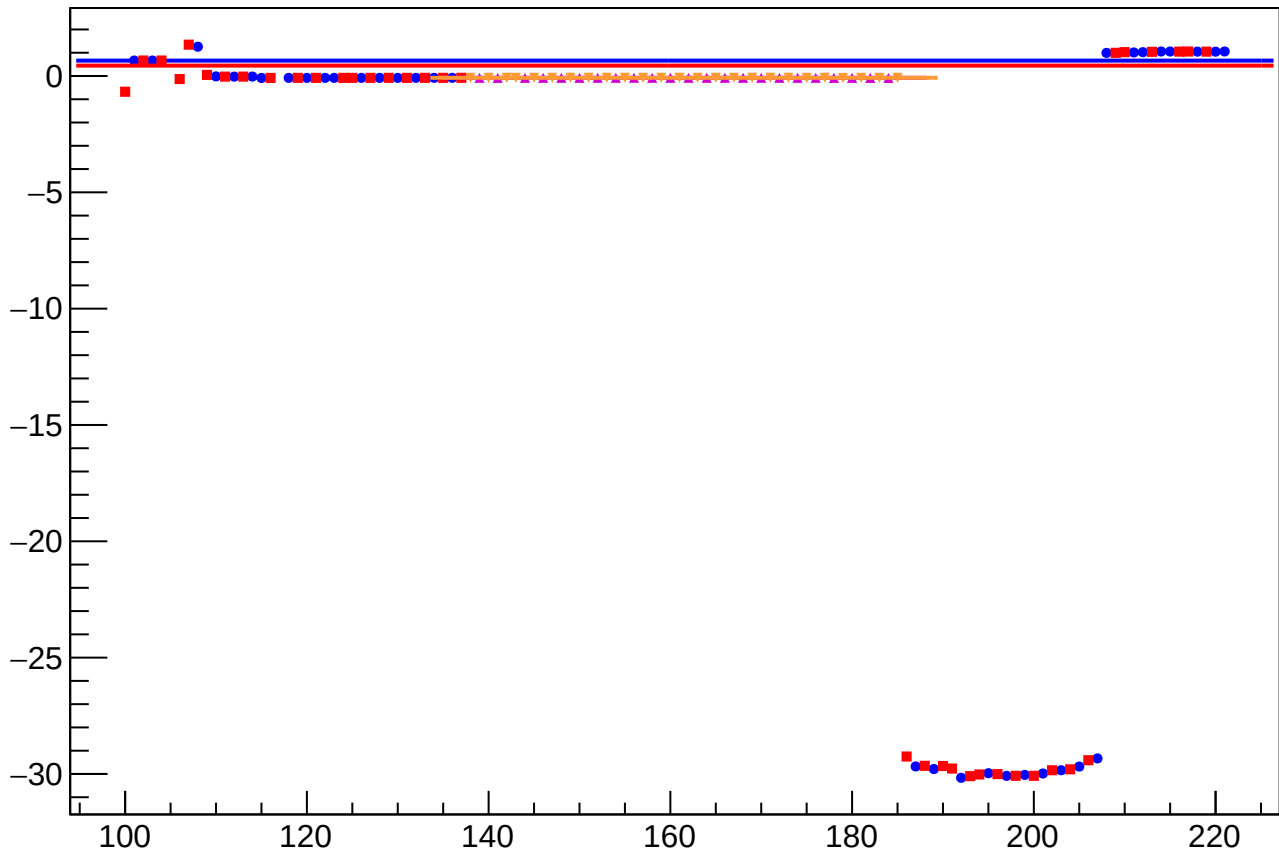
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 62992260.2/59

All: 0.000+/-0.000 χ^2/NDF : 123593839.5/119

- sign 0.000+/-0.000 χ^2/NDF : 60597044.0/59

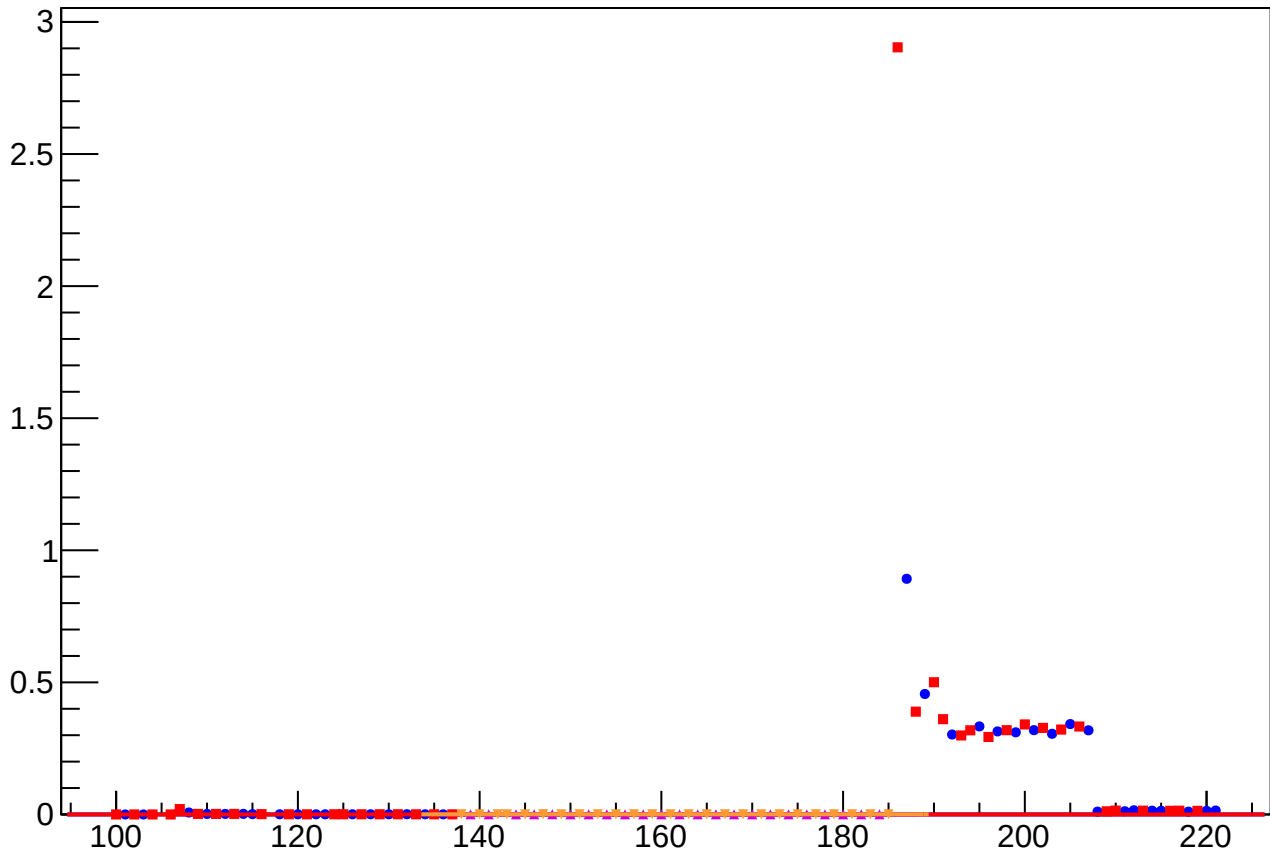
yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 χ^2/NDF : 5650606471090.8/34
Left Out: -0.078 ± 0.000 χ^2/NDF : 156525648.0/24
Right Out: 0.446 ± 0.000 χ^2/NDF : 405486762014241.5/36
Left In: -0.077 ± 0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646 ± 0.000 χ^2/NDF : 35818472075490.4/5
All: 0.537 ± 0.000 χ^2/NDF : 51611801303719
- sign 0.437 ± 0.000 χ^2/NDF : 419718535997029.5

yield_cav4dY_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 35196633.7/34

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:466355.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 33438861.5/36

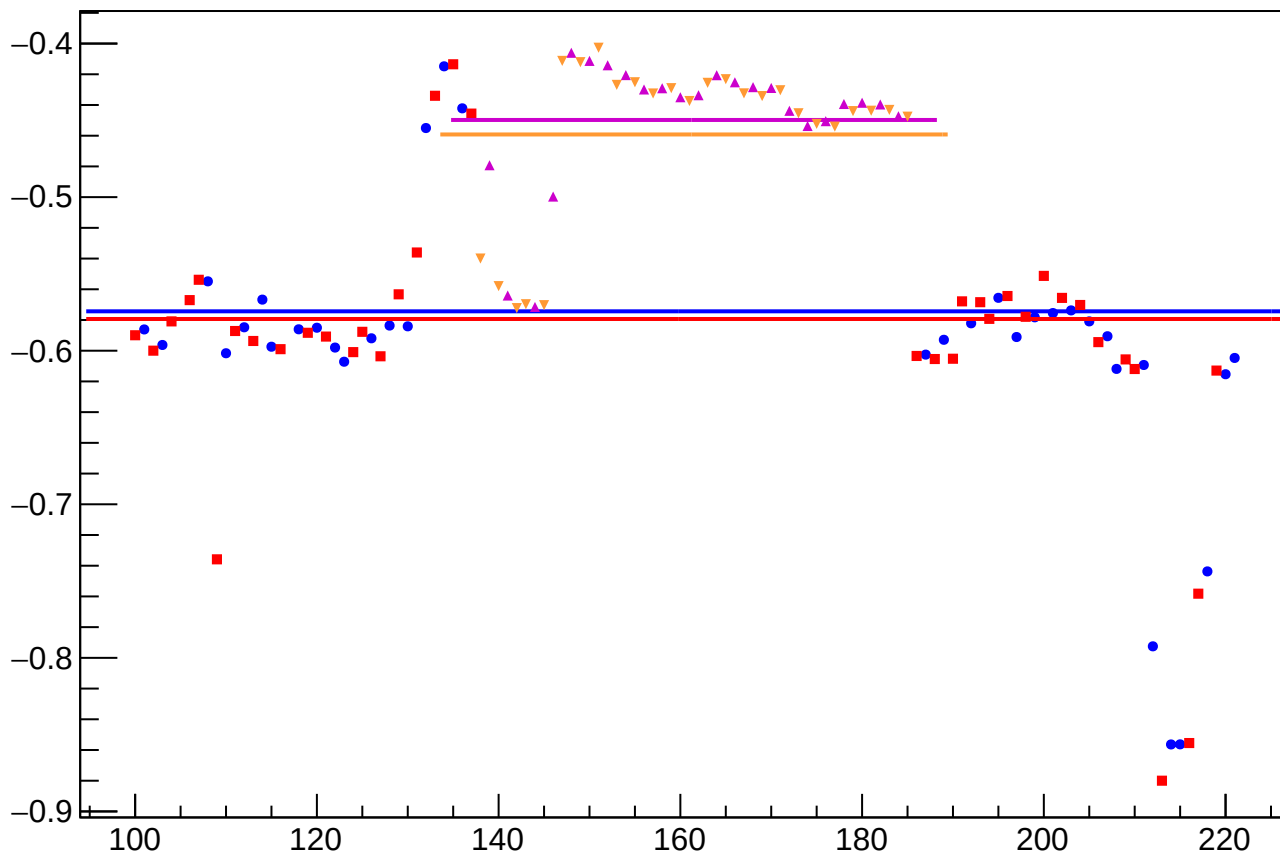
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:355587.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67825018.8/59

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 132295505.2/119

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64462802.5/59

yield_bpm4aX_mean vs Slug



Right In: -0.574 ± 0.000 χ^2/NDF : 115433328.3/34

Left Out: -0.459 ± 0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.579 ± 0.000 χ^2/NDF : 119915621.4/36

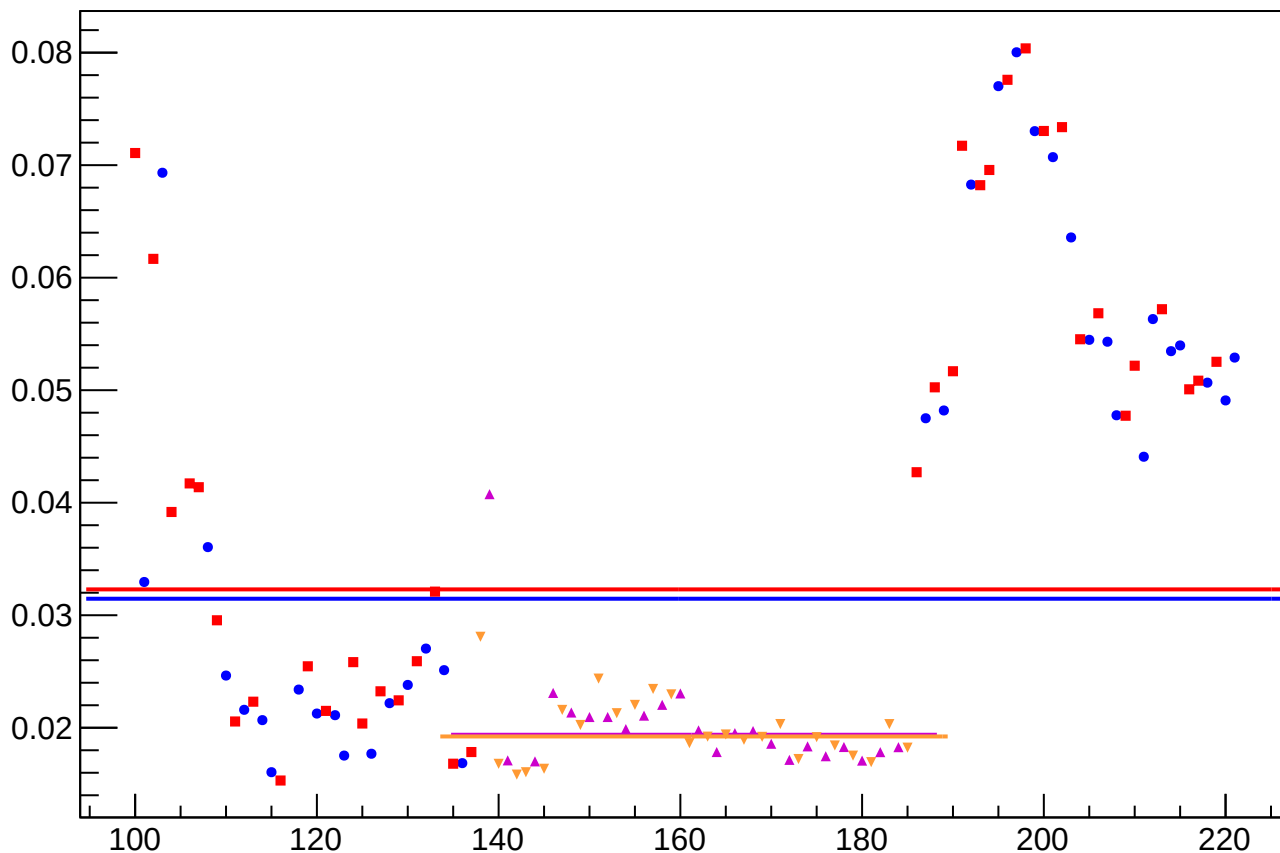
Left In: -0.450 ± 0.000 χ^2/NDF : 76151485.7/22

+ sign -0.490 ± 0.000 χ^2/NDF : 369976671.9/59

All: -0.487 ± 0.000 χ^2/NDF : 733200322.7/11

- 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 : 8295223.3/34

Left Out: 0.019+/-0.000 χ^2/NDF : 501253.7/24

Right Out: 0.032+/-0.000 χ^2/NDF : 7835570.5/36

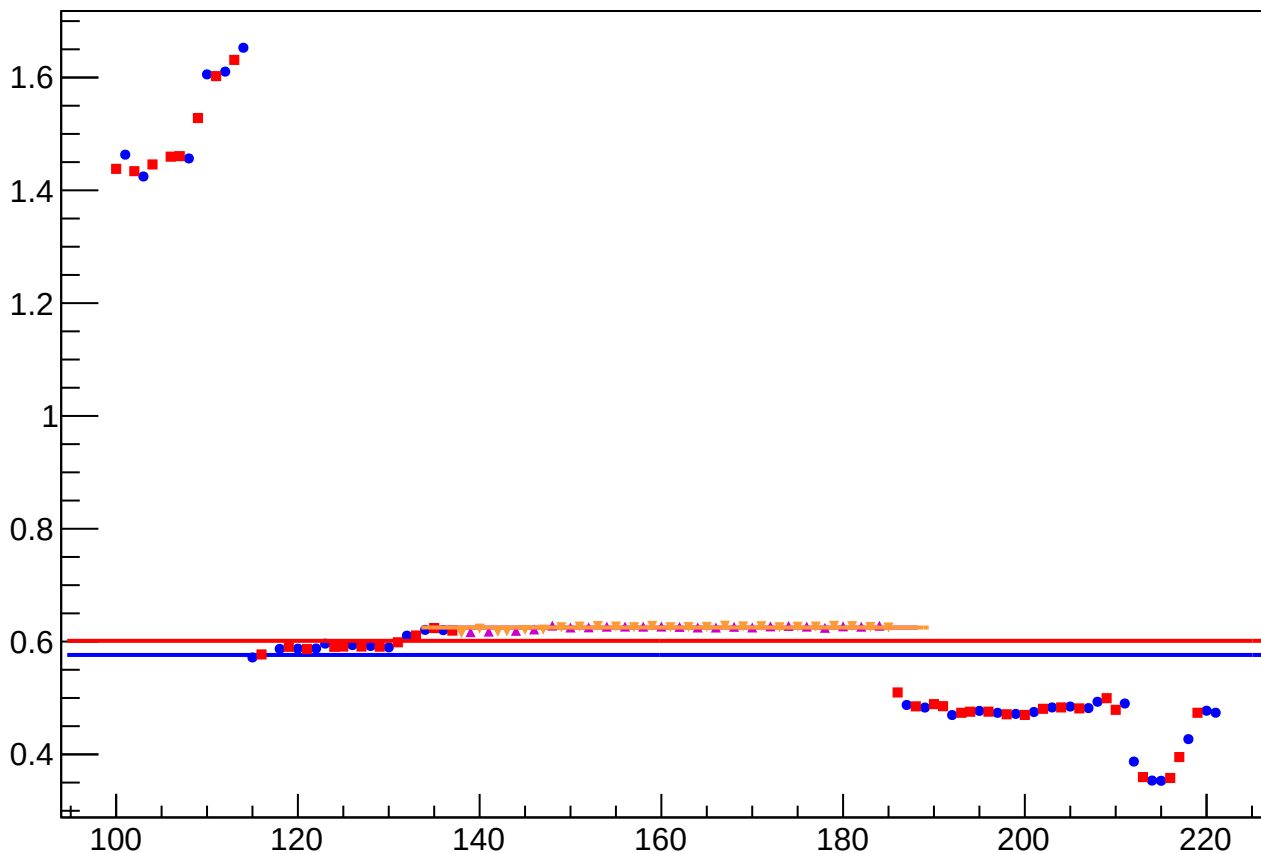
Left In: 0.019+/-0.000 χ^2/NDF : 656155.9/22

+ sign 0.022+/-0.000 χ^2/NDF : 11976566.5/59

All: 0.023+/-0.000 χ^2/NDF : 23781464.0/119

- sign 0.023+/-0.000 χ^2/NDF : 11798623.7/59

yield_bpm4aY_mean vs Slug



Right In: 0.576 $\pm$ 0.000 χ^2 /NDF: 5645263239.0/34

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

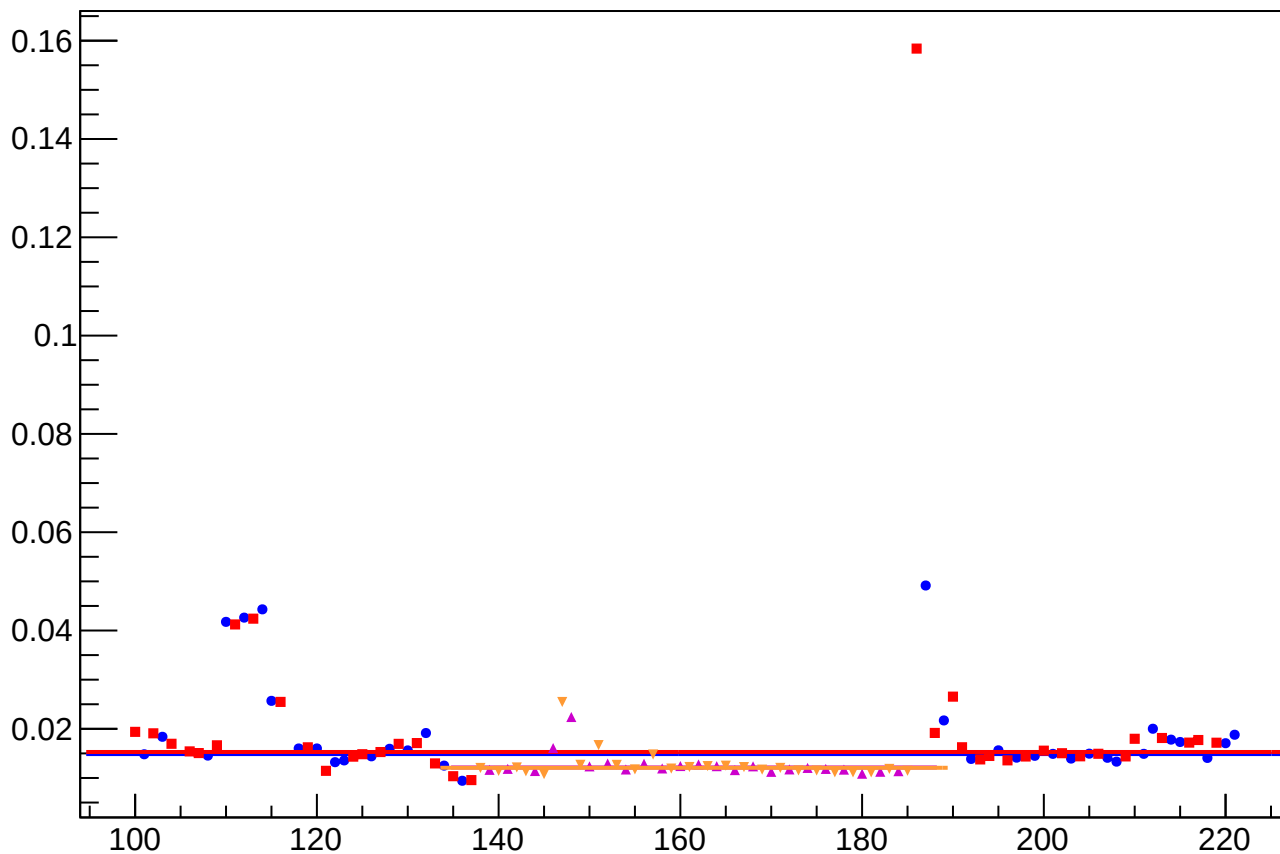
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.605 $\pm$ 0.000 χ^2 /NDF: 5762043103.2/59

All: 0.610 $\pm$ 0.000 χ^2 /NDF: 12427237958.5/1

- sign 0.616 $\pm$ 0.000 χ^2 /NDF: 6655080434.9/59

yield_bpm4aY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1964235.7/34

Left Out: 0.012+/-0.000 χ^2/NDF : 657433.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2228304.9/36

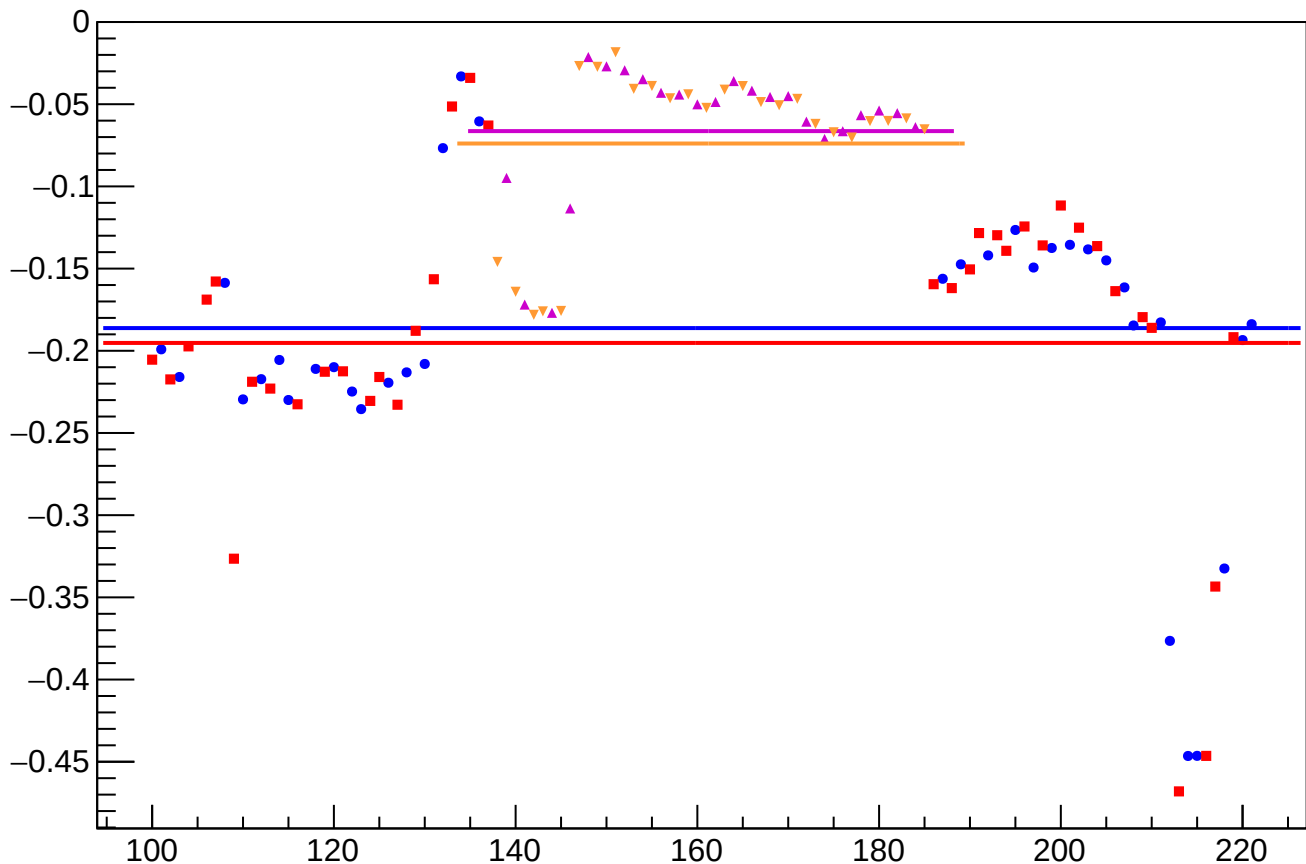
Left In: 0.012+/-0.000 χ^2/NDF : 488249.4/22

+ sign 0.013+/-0.000 χ^2/NDF : 3381840.1/59

All: 0.013+/-0.000 χ^2/NDF : 7004613.9/119

- sign 0.013+/-0.000 χ^2/NDF : 3615815.3/59

yield_bpm4eX_mean vs Slug



Right In: -0.186+/-0.000 χ^2/NDF : 127812870.4/34

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.195+/-0.000 χ^2/NDF : 134106557.2/36

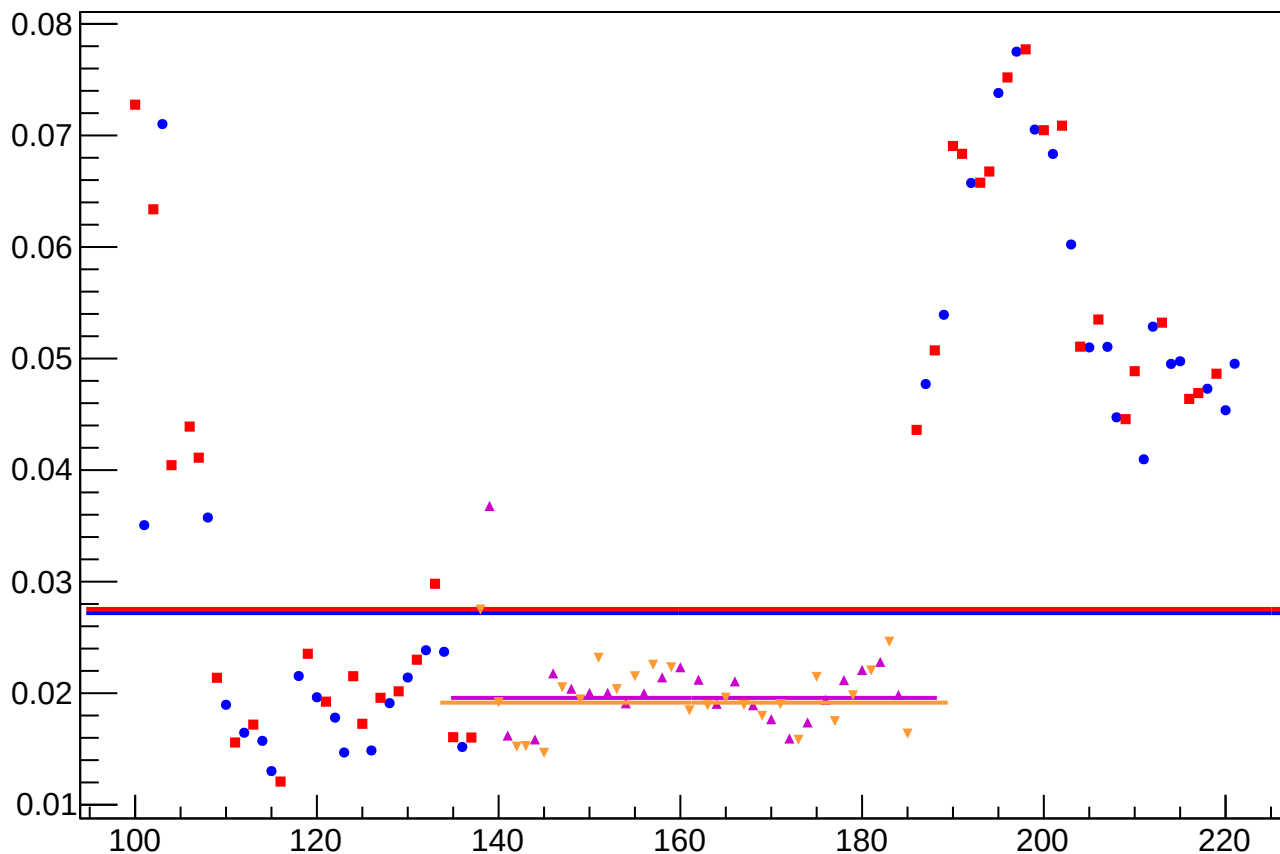
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.108+/-0.000 χ^2/NDF : 395618298.2/59

All: -0.108+/-0.000 χ^2/NDF : 803069689.9/11

- 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: 9769801.9/34

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

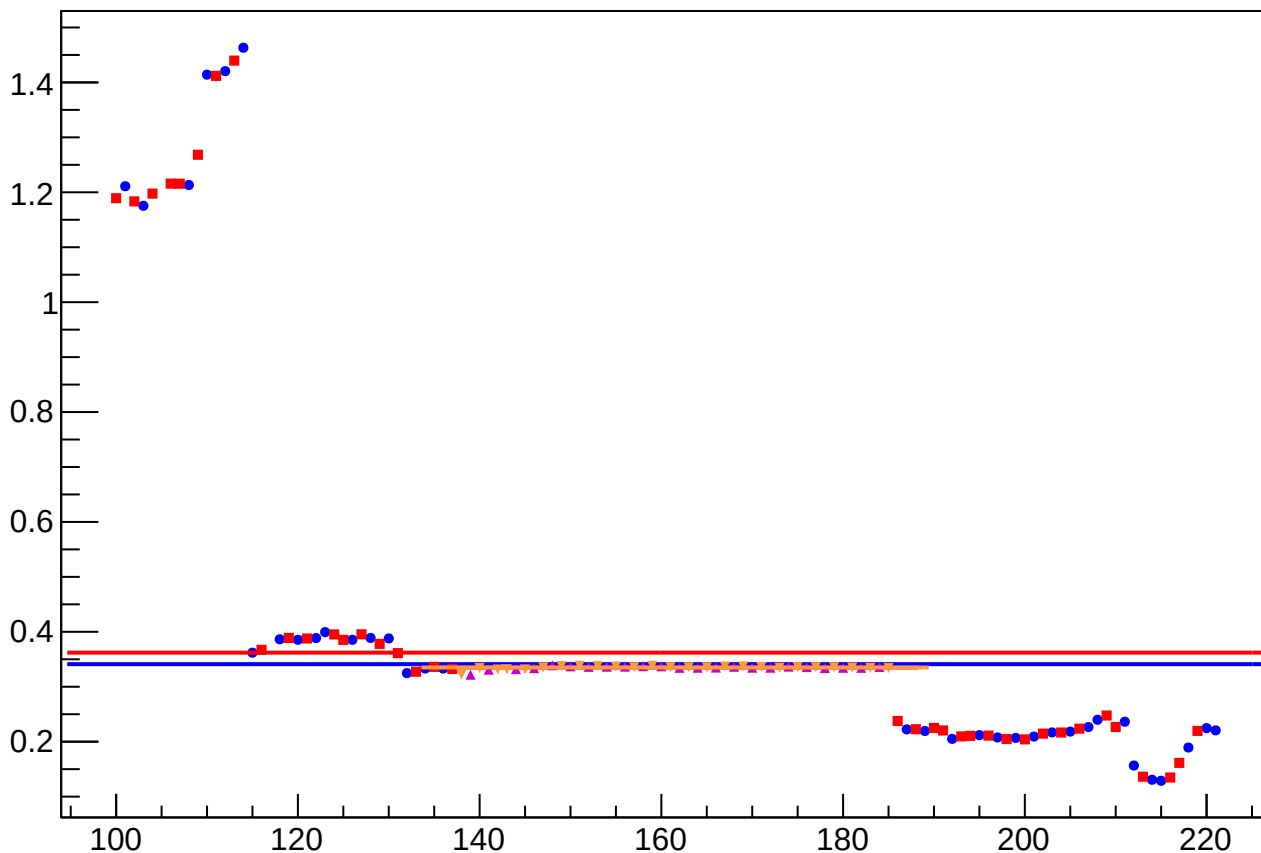
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:651328.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12045398.1/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 23812609.7/119

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11754011.3/59

yield_bpm4eY_mean vs Slug



Right In: 0.341 $\pm$ 0.000 χ^2 /NDF: 8135536260.8/34

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

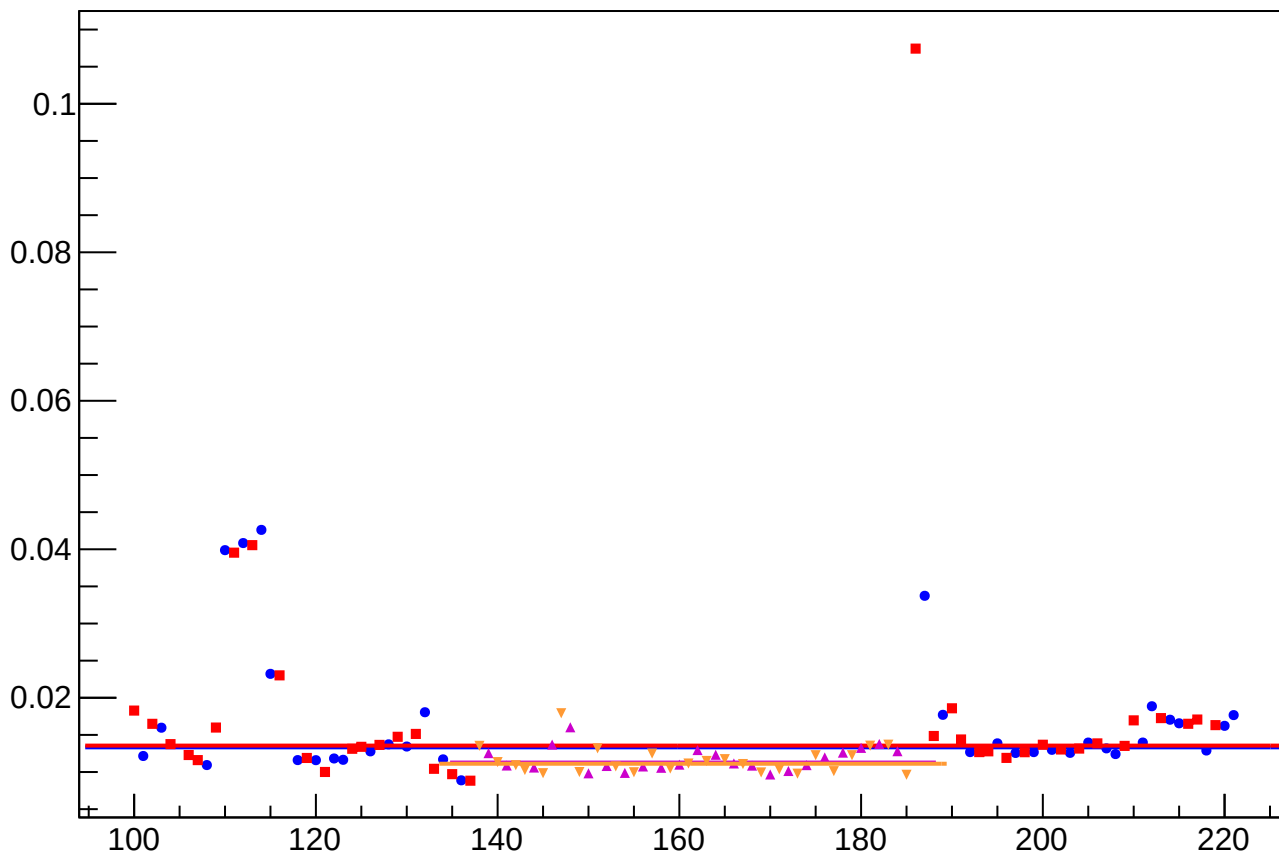
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1198302.8/22

+ sign 0.338 $\pm$ 0.000 χ^2 /NDF: 8138853076.1/59

All: 0.342 $\pm$ 0.000 χ^2 /NDF: 17325460851.0/1

- 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: 1998905.4/34

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

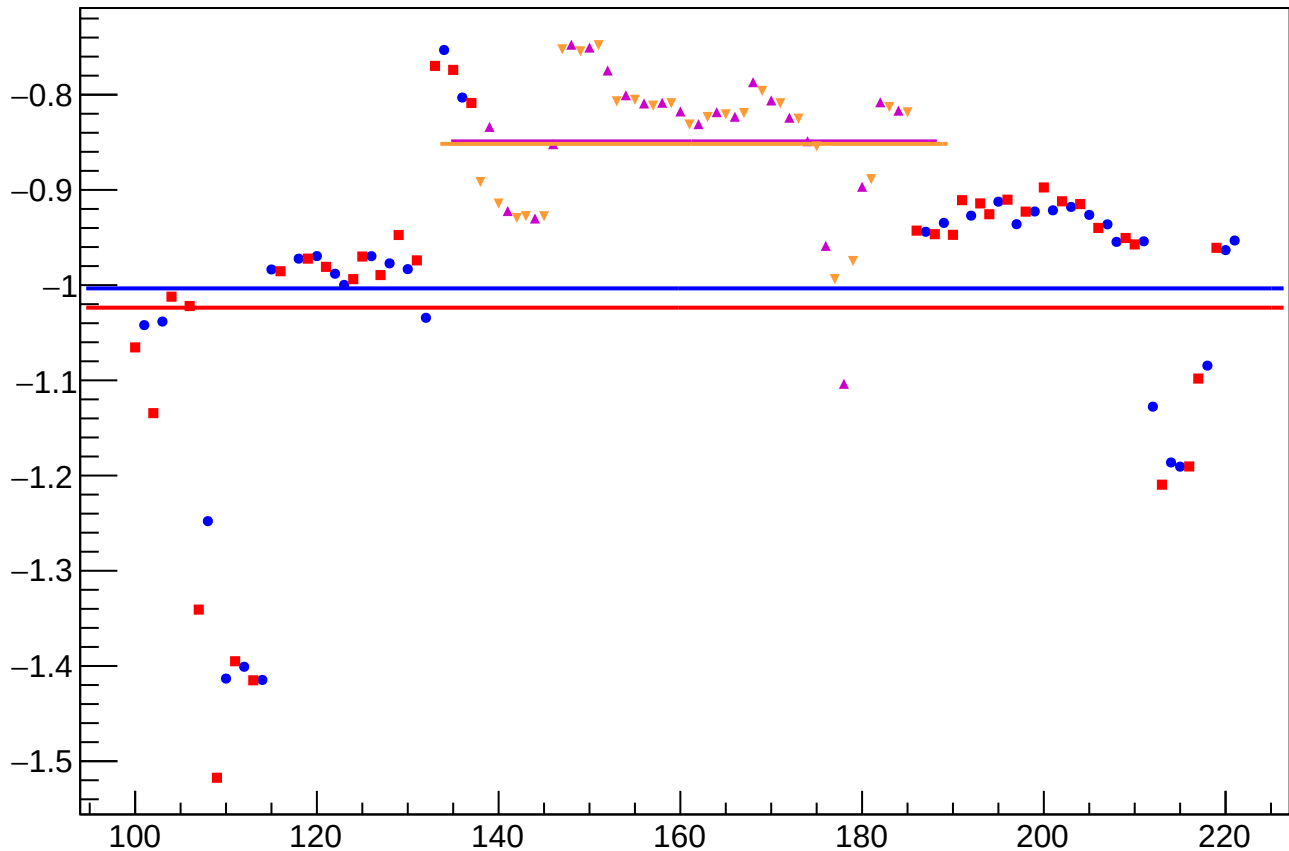
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502226.7/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3183166.6/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 6522946.1/119

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3330754.7/59

yield_bpm4acX_mean vs Slug



Right In: -1.003 ± 0.000 $\chi^2/\text{NDF}: 430231686.2/34$

Left Out: -0.852 ± 0.000 $\chi^2/\text{NDF}: 189276591.7/24$

Right Out: -1.024 ± 0.000 $\chi^2/\text{NDF}: 578381828.8/36$

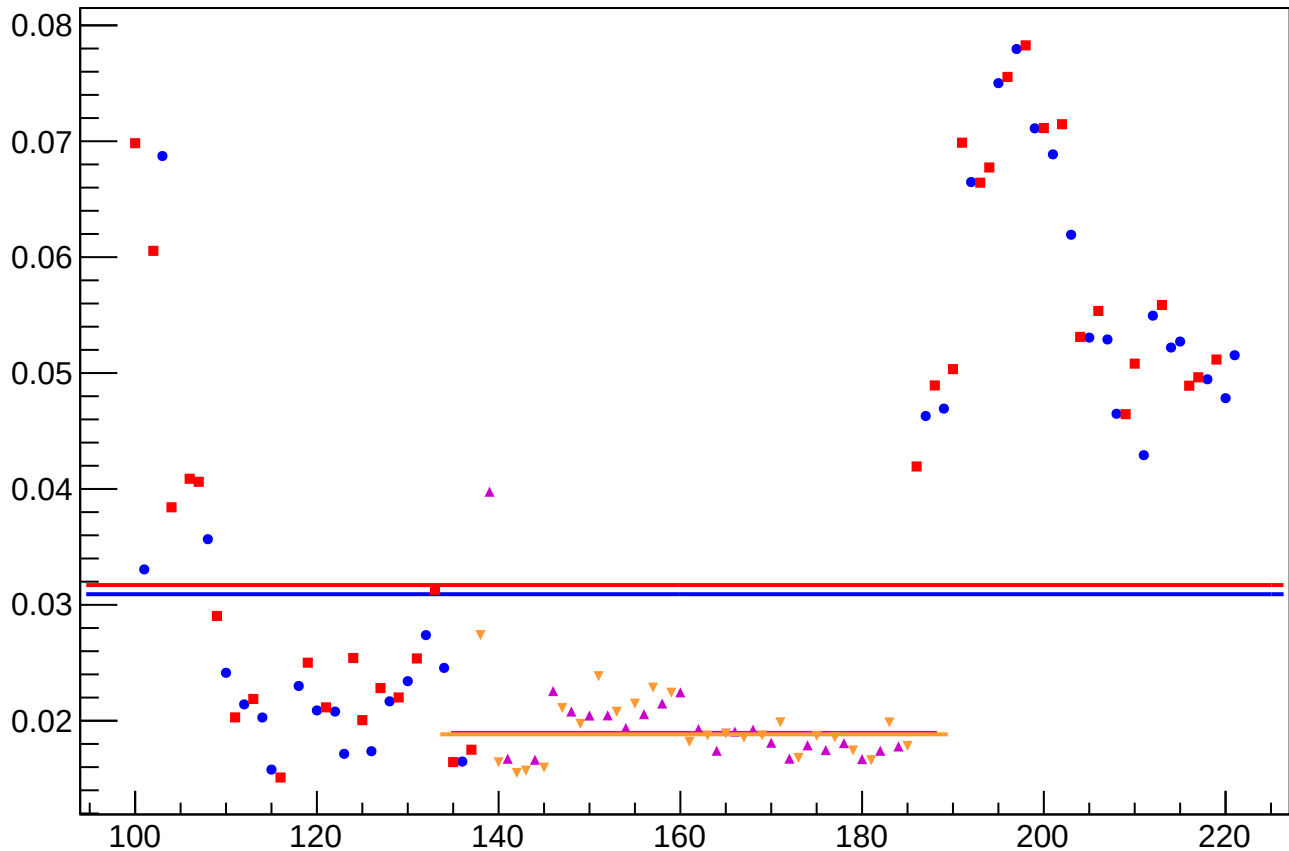
Left In: -0.849 ± 0.000 $\chi^2/\text{NDF}: 256438306.8/22$

+ sign -0.892 ± 0.000 $\chi^2/\text{NDF}: 873703837.8/59$

All: -0.893 ± 0.000 $\chi^2/\text{NDF}: 2023480530.2/1$

- sign -0.895 ± 0.000 $\chi^2/\text{NDF}: 1149437197.4/59$

yield_bpm4acX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 8212739.1/34

Left Out: 0.019+/-0.000 χ^2/NDF : 490084.5/24

Right Out: 0.032+/-0.000 χ^2/NDF : 7743411.6/36

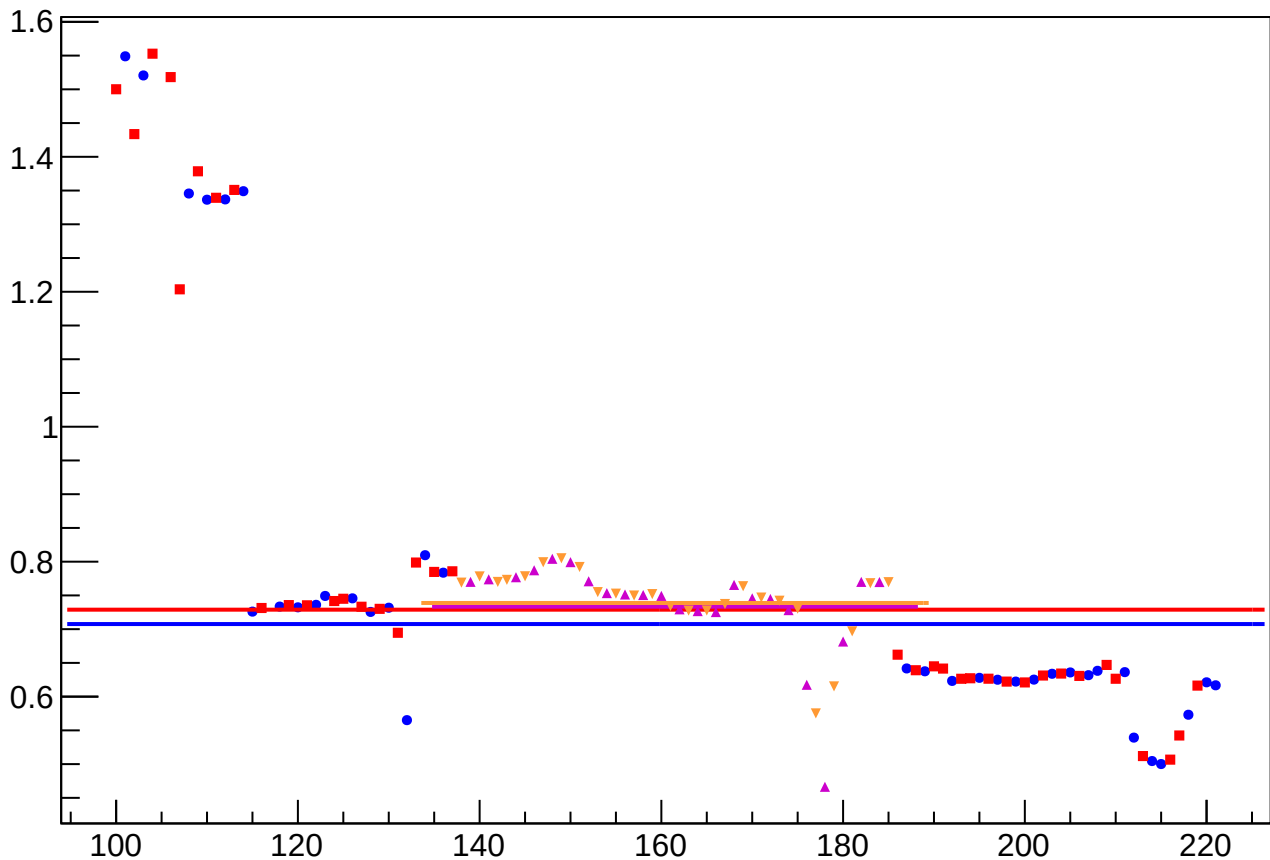
Left In: 0.019+/-0.000 χ^2/NDF : 645048.1/22

+ sign 0.022+/-0.000 χ^2/NDF : 11928877.1/59

All: 0.022+/-0.000 χ^2/NDF : 23681139.6/119

- sign 0.022+/-0.000 χ^2/NDF : 11747187.2/59

yield_bpm4acY_mean vs Slug



Right In: 0.708 $\pm$ 0.000 χ^2 /NDF: 3947496923.0/34

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

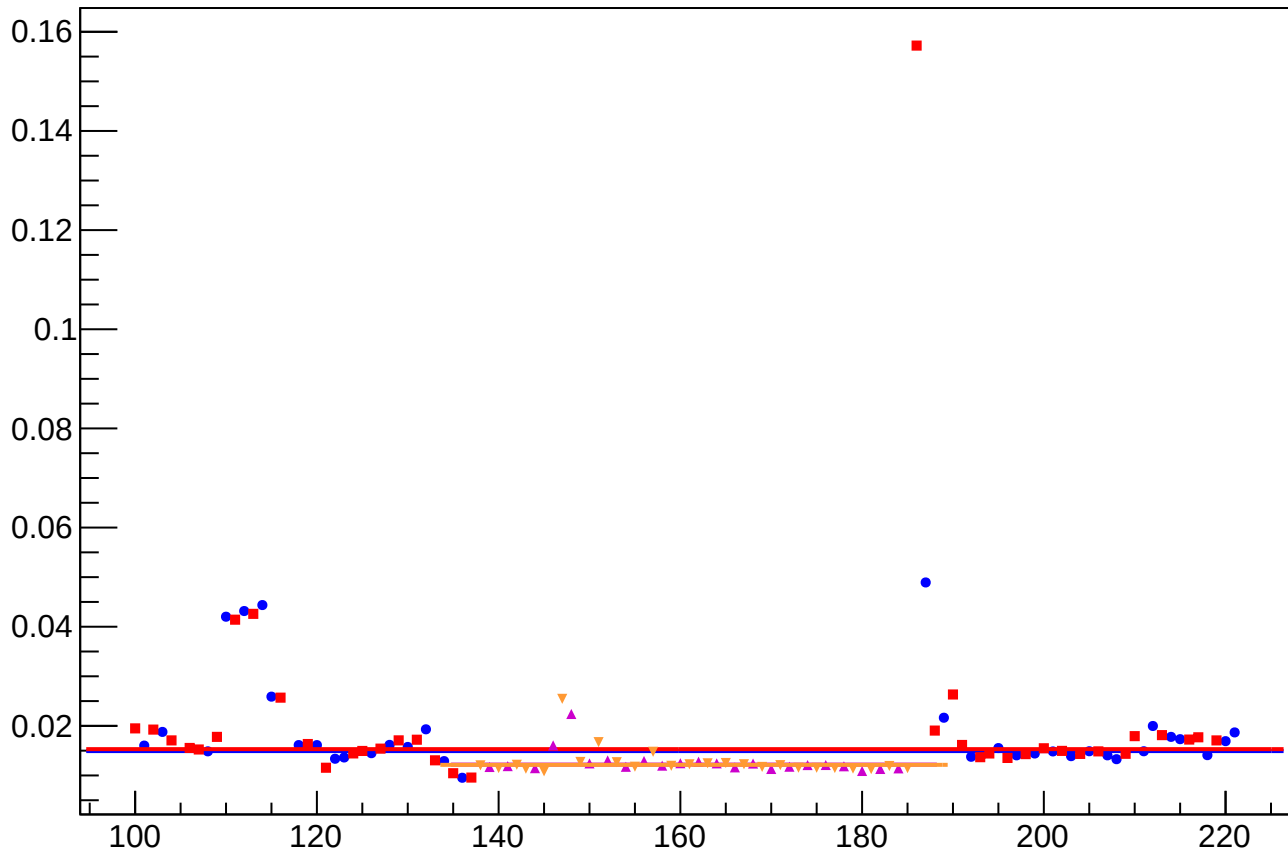
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

+ sign 0.726 $\pm$ 0.000 χ^2 /NDF: 4327750854.4/59

All: 0.729 $\pm$ 0.000 χ^2 /NDF: 9123680914.6/11

- 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 : 1948338.1/34

Left Out: 0.012+/-0.000 χ^2/NDF : 638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2227729.0/36

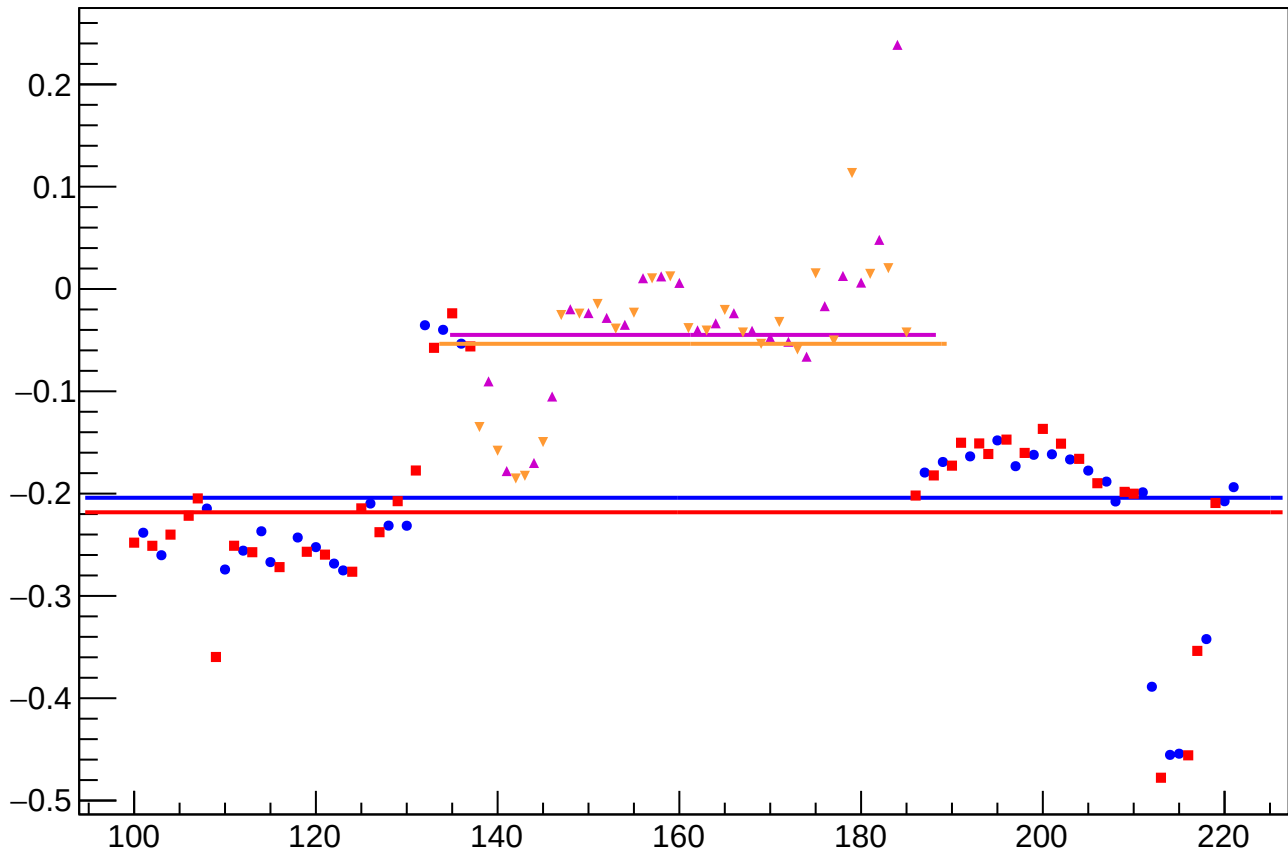
Left In: 0.012+/-0.000 χ^2/NDF : 481639.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 3329467.6/59

All: 0.013+/-0.000 χ^2/NDF : 6918051.4/119

- 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 : 160351143.0/34

Left Out: -0.054+/-0.000 χ^2/NDF : 167879648.0/24

+ sign -0.100+/-0.000 χ^2/NDF : 609080385.5/59

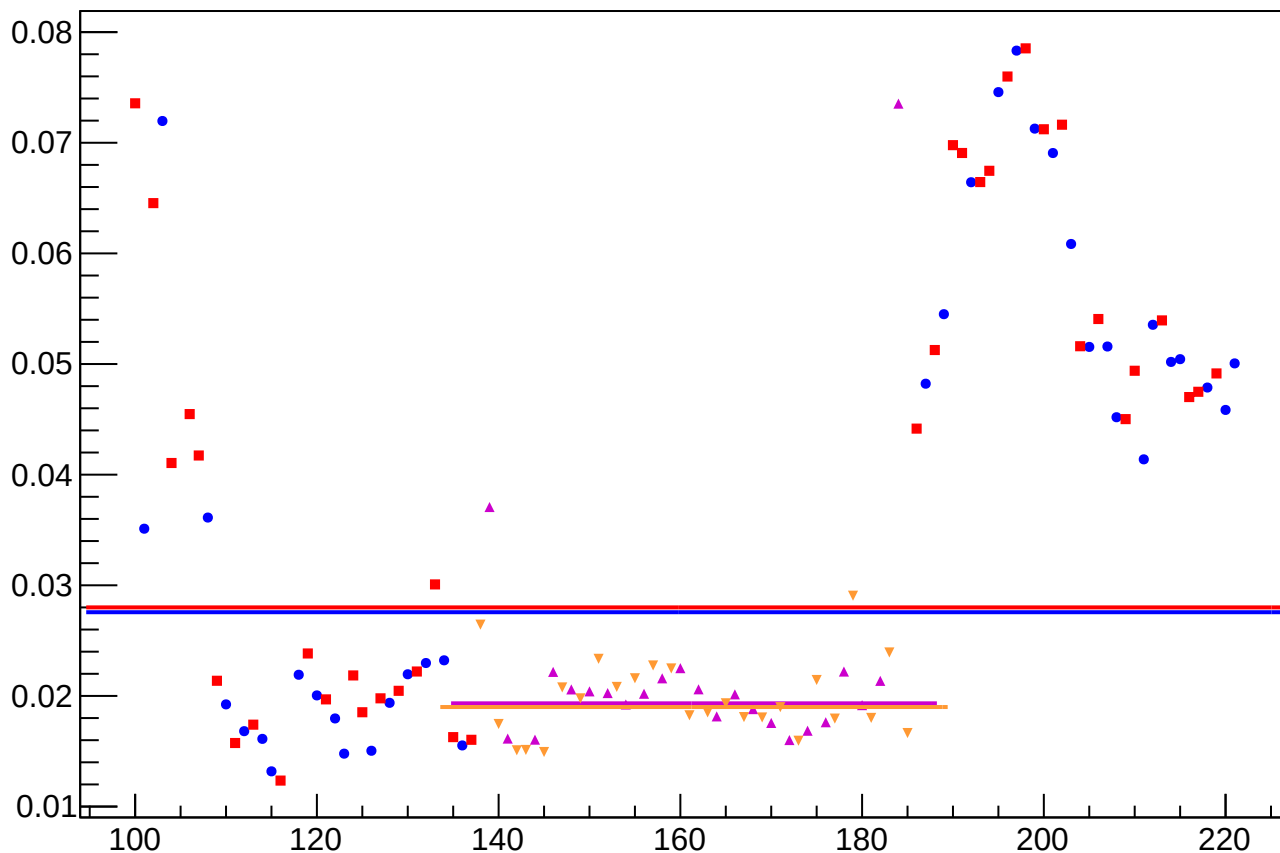
Right Out: -0.218+/-0.000 χ^2/NDF : 155523978.7/36

All: -0.099+/-0.000 χ^2/NDF : 1240753755.5/1

- sign -0.099+/-0.000 χ^2/NDF : 631656150.0/59

Left In: -0.045+/-0.000 χ^2/NDF : 127324000.1/22

yield_bpm4ecX_rms vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 9701132.4/34

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

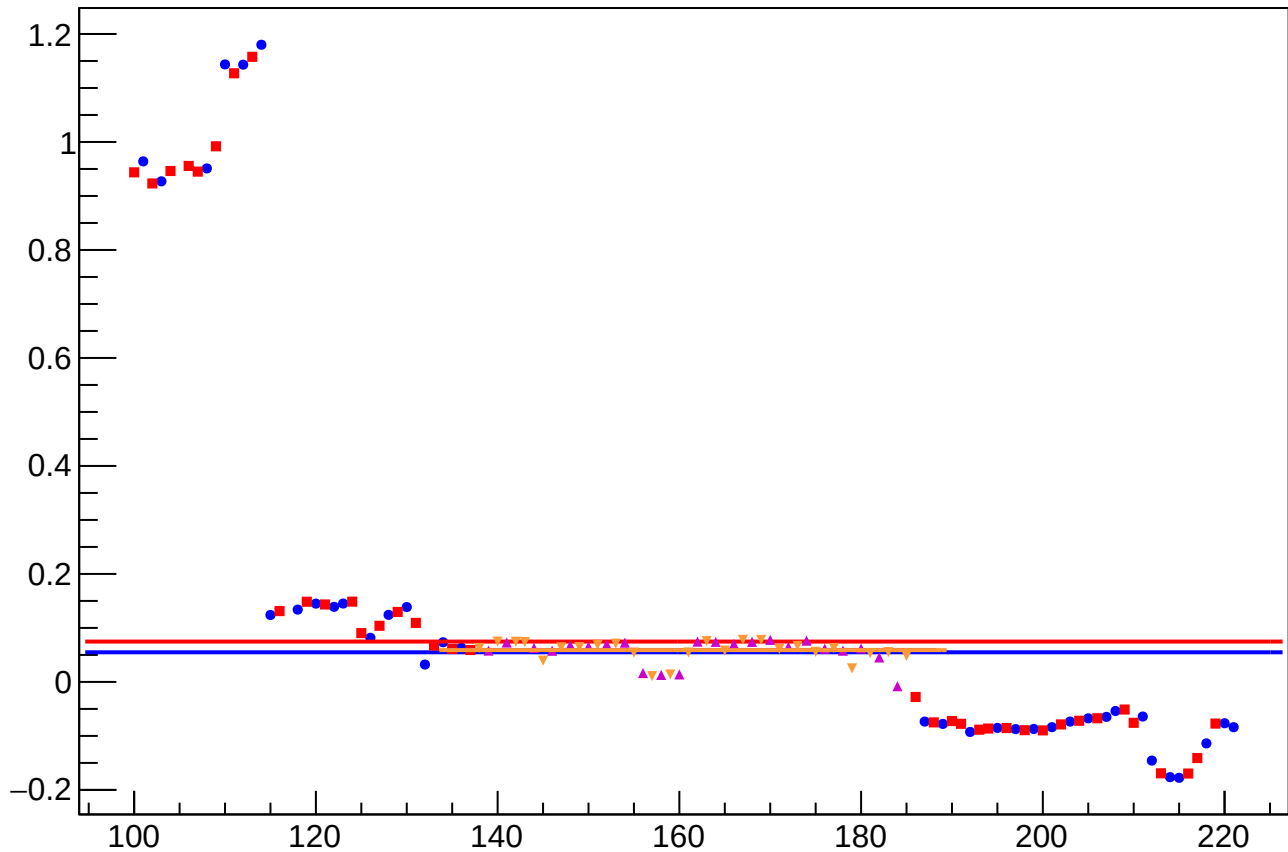
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:892810.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12222025.5/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 24396251.3/119

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12164702.7/59

yield_bpm4ecY_mean vs Slug



Right In: 0.055 $\pm$ 0.000 χ^2 /NDF: 8909469497.5/34

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

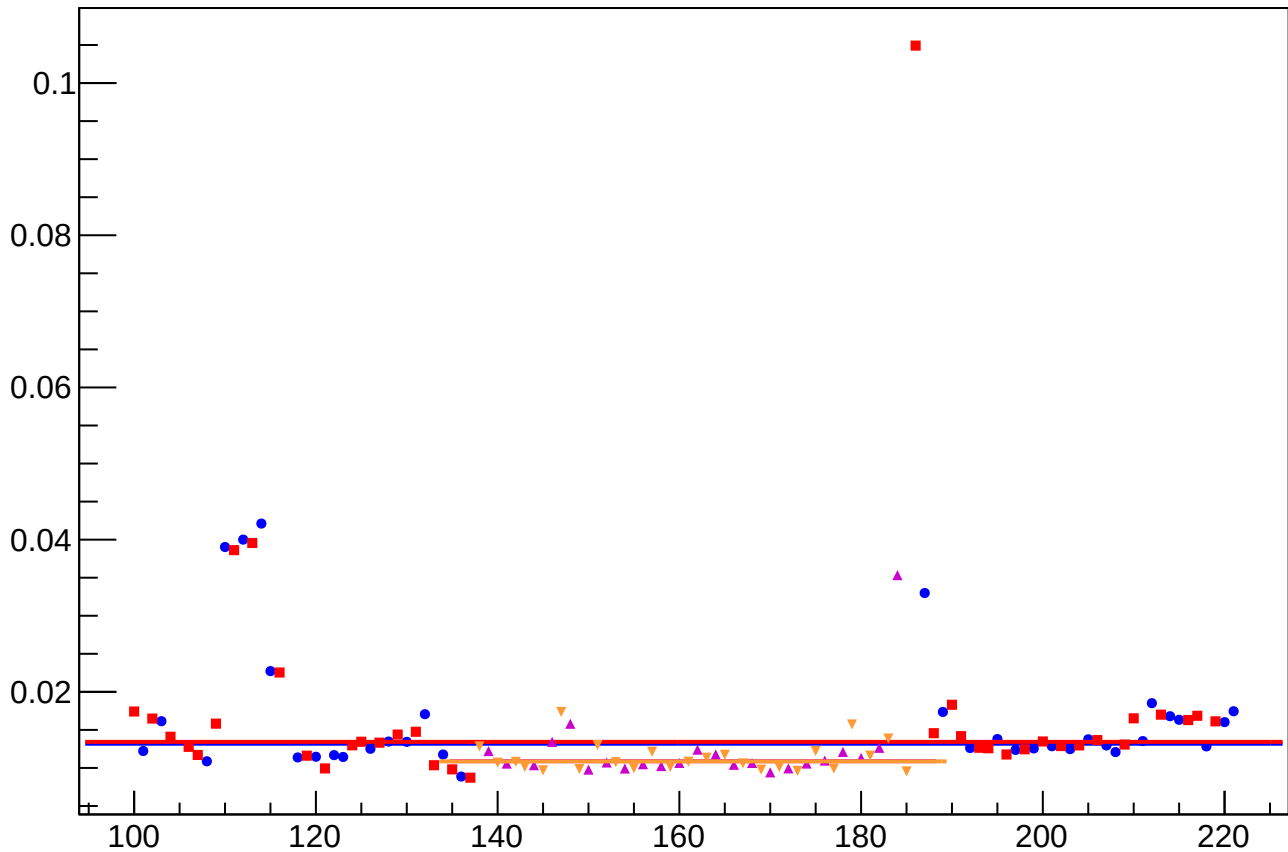
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF:58640898.5/22

+ sign 0.057 $\pm$ 0.000 χ^2 /NDF: 8957342496.8/59

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 18759454548.8/1

- 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: 1949543.3/34

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

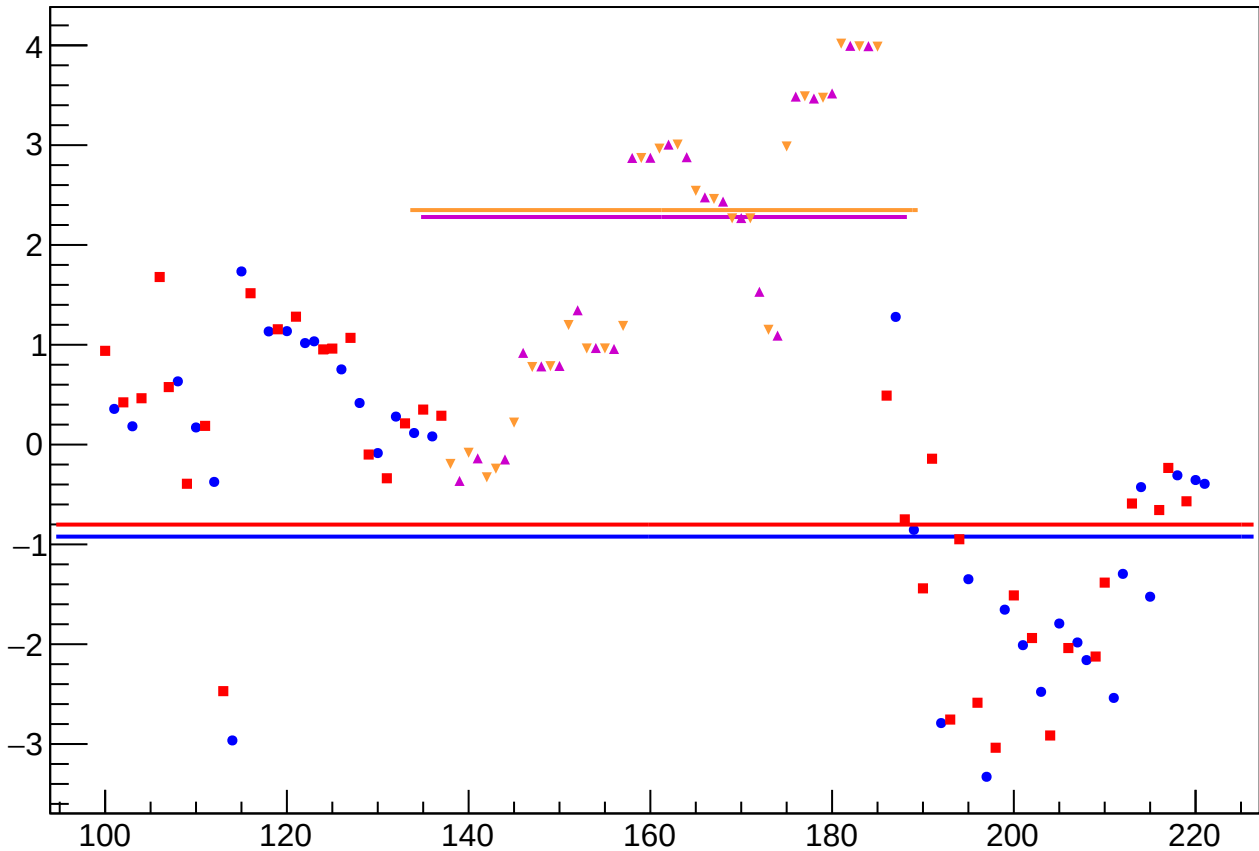
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:529867.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3203098.8/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 6659132.7/119

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3453317.0/59

yield_bpm1X_mean vs Slug



Right In: -0.922 ± 0.000 $\chi^2/\text{NDF}: 8221794277.6/34$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.802 ± 0.000 $\chi^2/\text{NDF}: 8301494693.5/36$

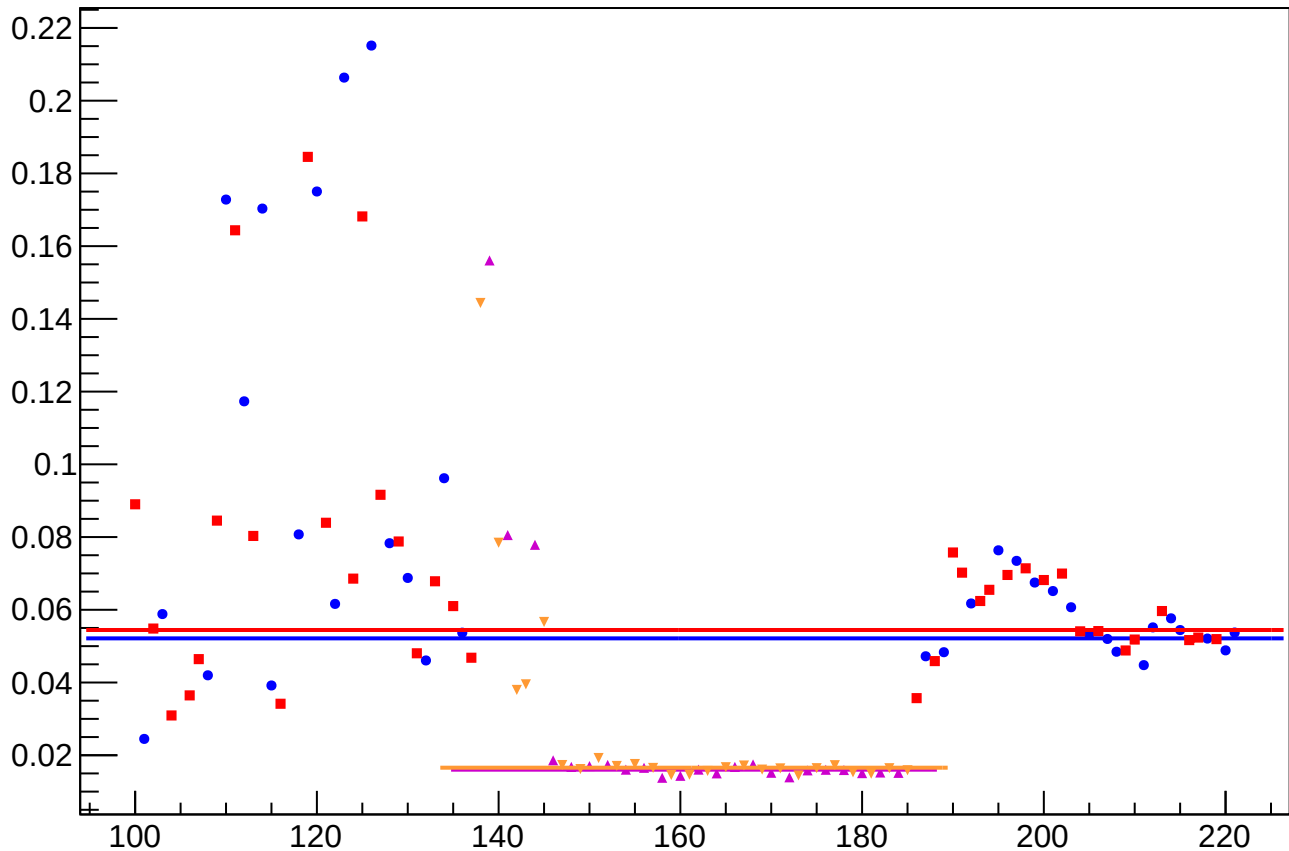
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.016 ± 0.000 $\chi^2/\text{NDF}: 127516651555.1/59$

All: 2.007 ± 0.000 $\chi^2/\text{NDF}: 242569107312.7$

- sign 1.999 ± 0.000 $\chi^2/\text{NDF}: 115043299866.9/59$

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3534701.7/34

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

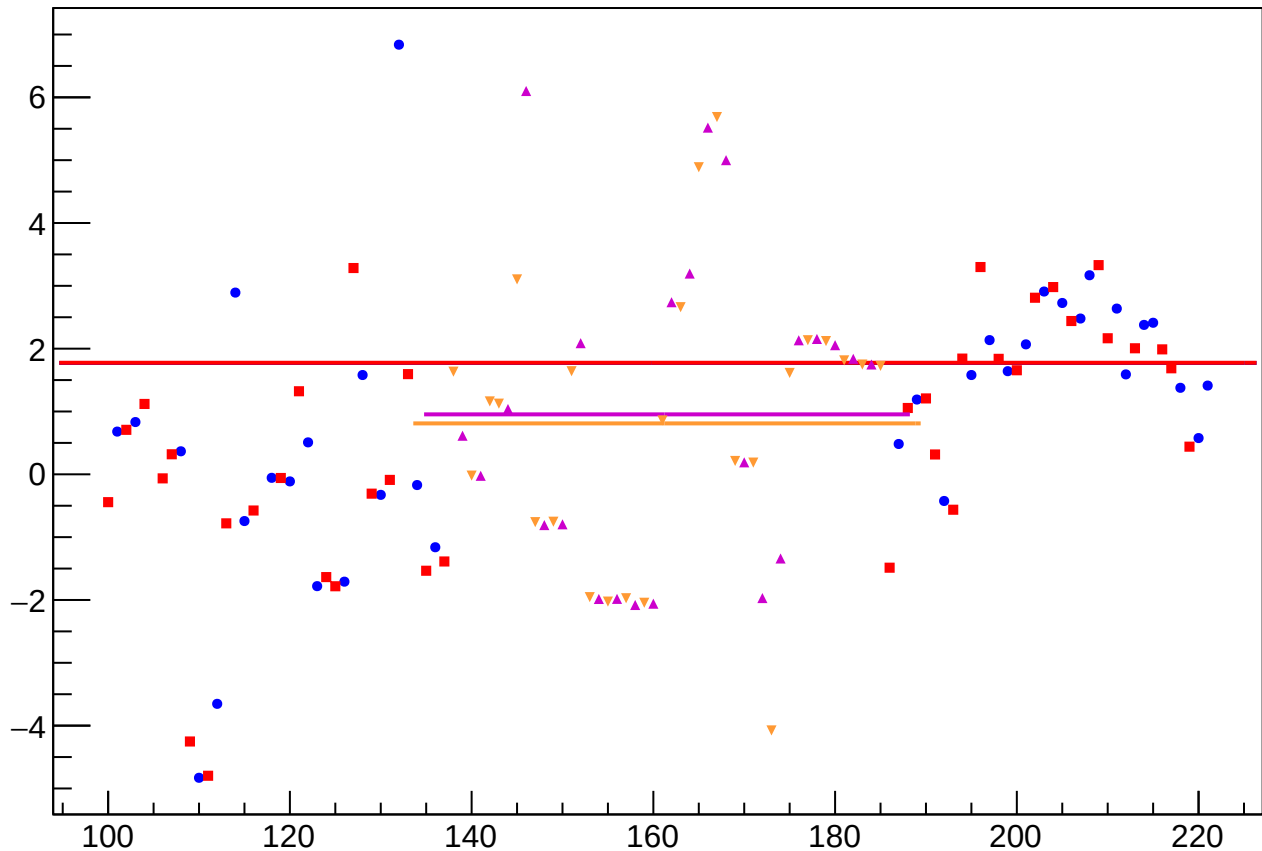
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 19321514.5/59

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 38772127.7/119

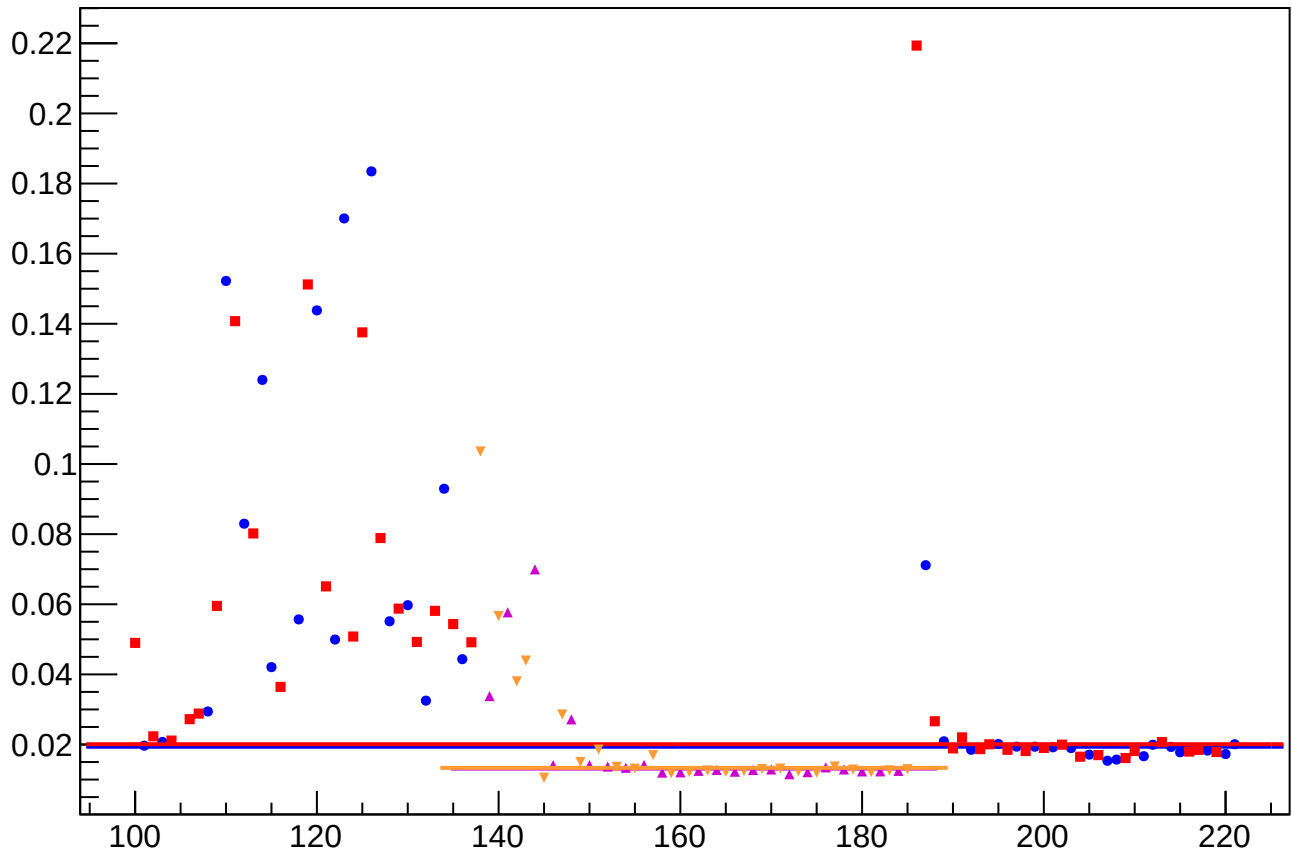
- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 19425981.1/59

yield_bpm1Y_mean vs Slug



Right In: 1.772 $\pm$ 0.000	χ^2 /NDF: 44246105771.5/34	+ sign 1.108 $\pm$ 0.000	χ^2 /NDF: 576198393237.0/59
Left Out: 0.810 $\pm$ 0.000	χ^2 /NDF: 507583198570.2/24	All: 1.147 $\pm$ 0.000	χ^2 /NDF: 1211608406443.
Right Out: 1.775 $\pm$ 0.000	χ^2 /NDF: 43877243693.8/36	- sign 1.187 $\pm$ 0.000	χ^2 /NDF: 635032372475.0/59
Left In: 0.954 $\pm$ 0.000	χ^2 /NDF: 574792794608.3/22		

yield_bpm1Y_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 4157248.7/34

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829070.5/24

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 5227376.3/36

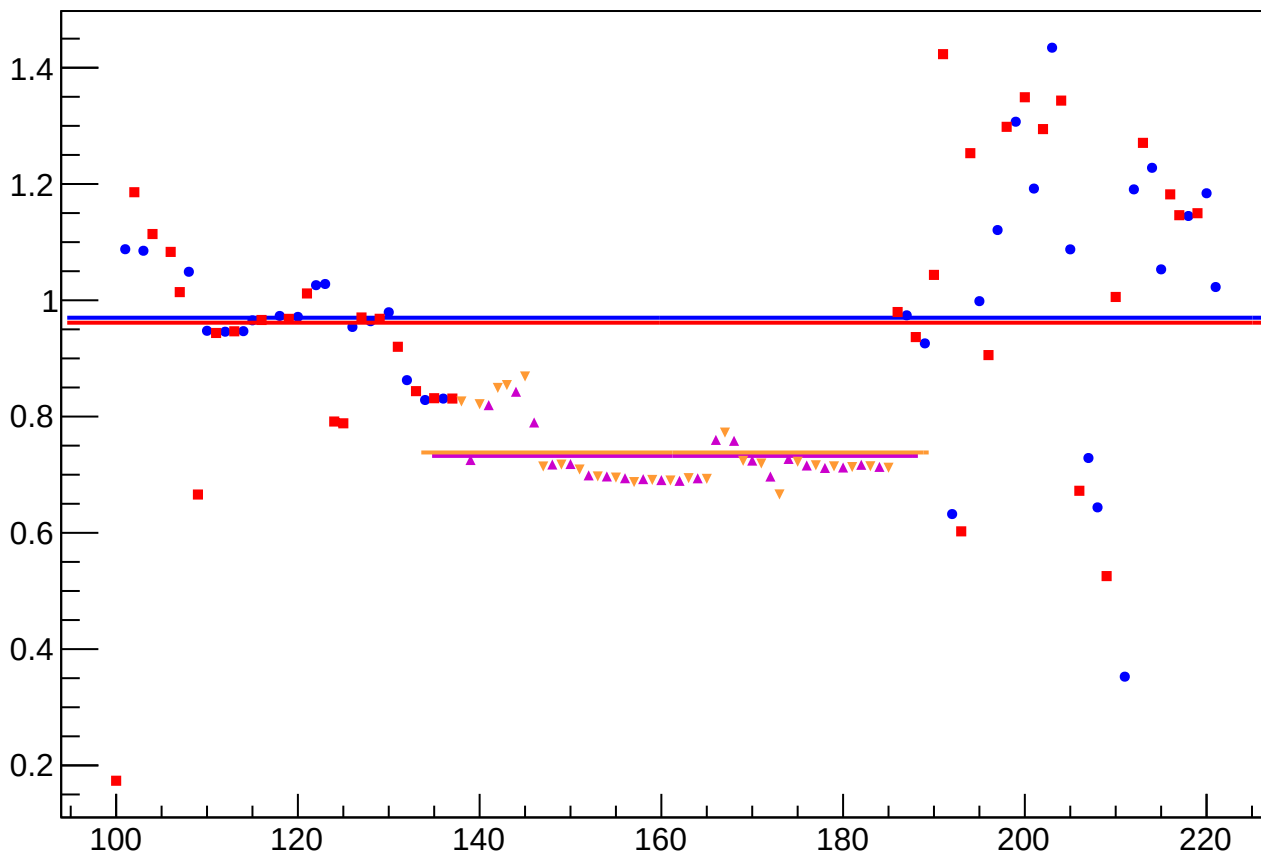
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1968206.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 8902875.3/59

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 18439486.6/119

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 9535267.9/59

yield_bpm11X_mean vs Slug



Right In: 0.970 $\pm$ 0.000 χ^2 /NDF: 1087302469.8/34

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

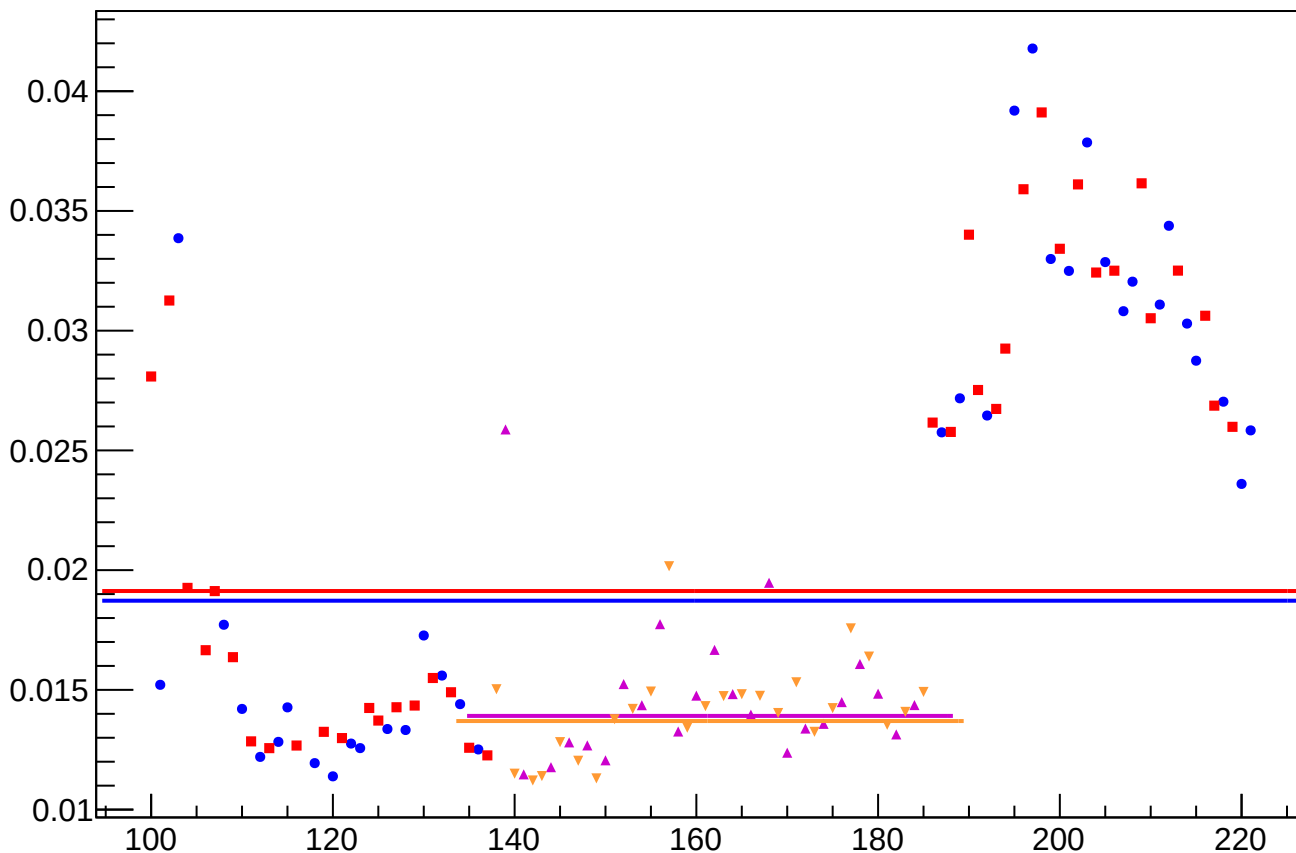
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF:170806298.1/22

+ sign 0.816 $\pm$ 0.000 χ^2 /NDF: 2958615113.6/59

All: 0.813 $\pm$ 0.000 χ^2 /NDF: 5894023817.2/11

- sign 0.811 $\pm$ 0.000 χ^2 /NDF: 2933562503.1/59

yield_bpm11X_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 5936251.6/34

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:530851.9/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 5243127.1/36

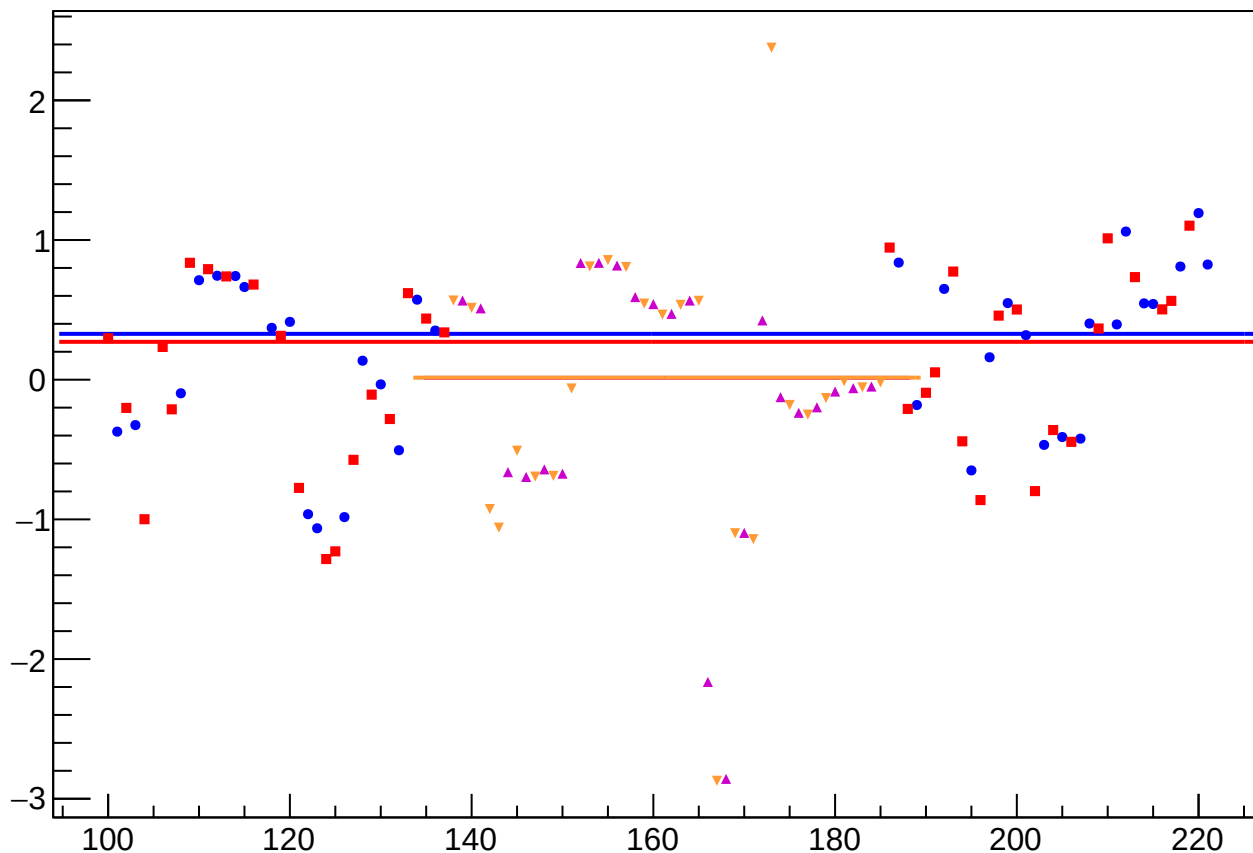
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794558.0/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 7934431.1/59

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 15479286.4/119

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 7532741.0/59

yield_bpm11Y_mean vs Slug



Right In: 0.328+/-0.000 χ^2/NDF : 46664370908.3/34

Left Out: 0.015+/-0.000 χ^2/NDF : 96087835995.8/24

Right Out: 0.271+/-0.000 χ^2/NDF : 50298648609.4/36

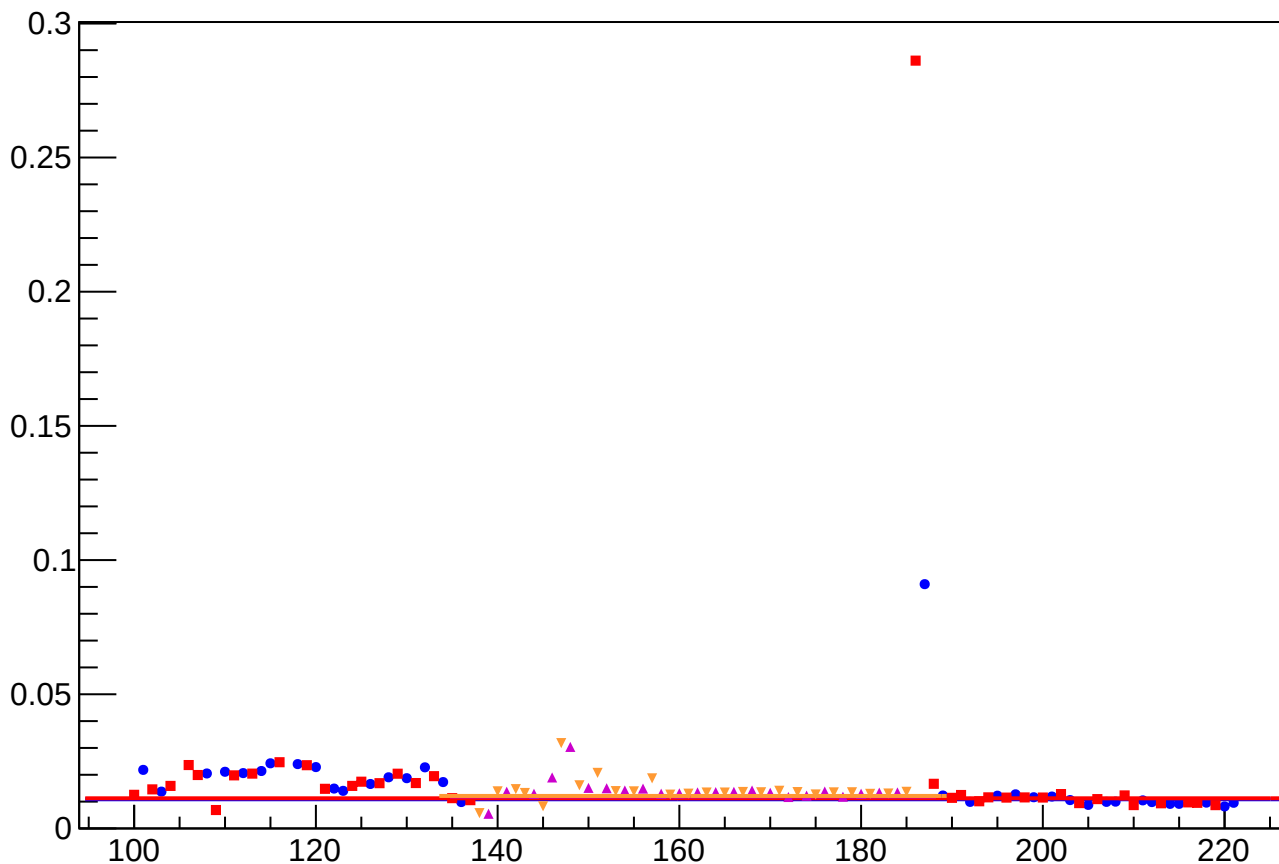
Left In: 0.013+/-0.000 χ^2/NDF : 79445696658.6/22

+ sign 0.191+/-0.000 χ^2/NDF : 148802490680.3/59

All: 0.173+/-0.000 χ^2/NDF : 282572612484.8

- sign 0.153+/-0.000 χ^2/NDF : 133597692517.7/59

yield_bpm11Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2850140.7/34

Left Out: 0.012+/-0.000 χ^2/NDF : 3107648.9/24

Right Out: 0.011+/-0.000 χ^2/NDF : 3227827.5/36

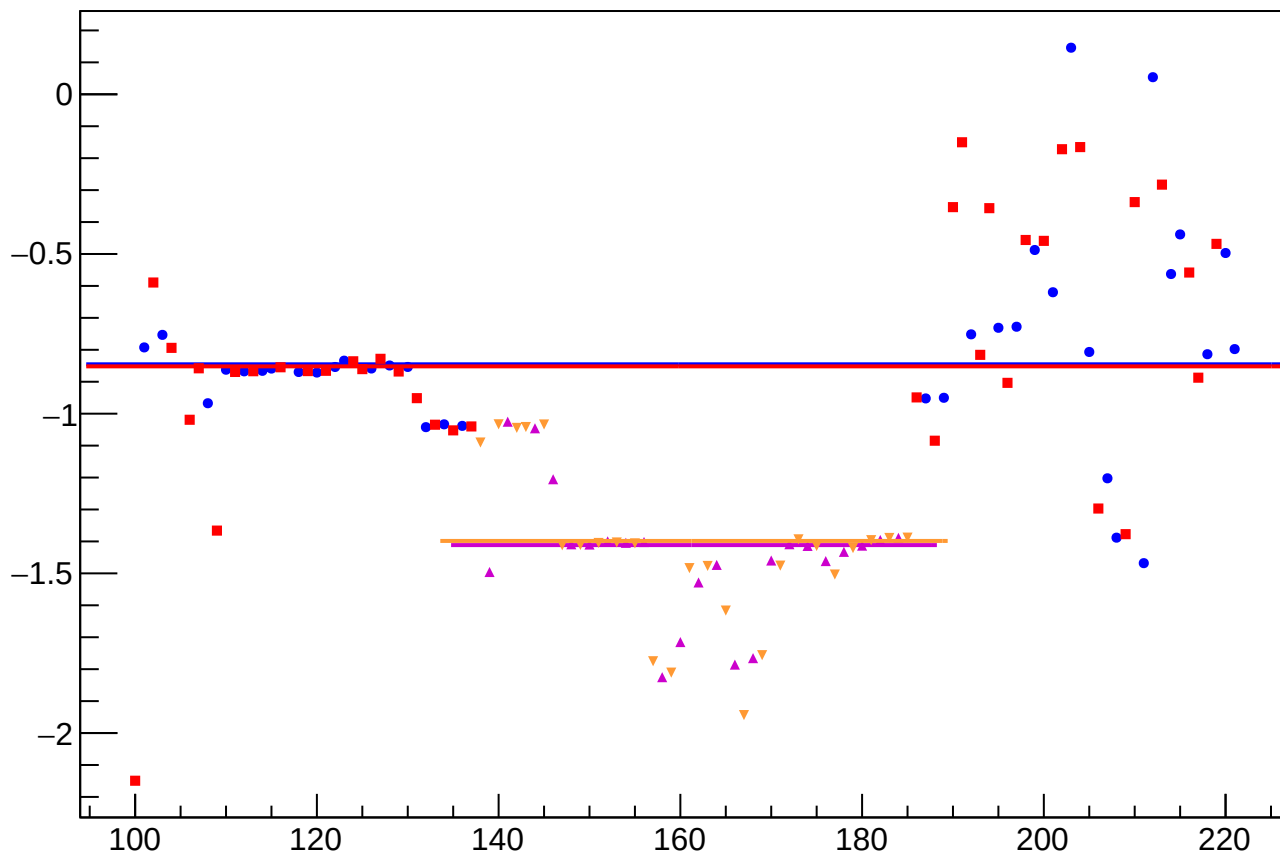
Left In: 0.012+/-0.000 χ^2/NDF : 3105948.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 6145756.5/59

All: 0.011+/-0.000 χ^2/NDF : 12538808.9/119

- sign 0.012+/-0.000 χ^2/NDF : 6388835.4/59

yield_bpm12X_mean vs Slug



Right In: -0.845 ± 0.000 χ^2/NDF : 398159152.7/34

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.852 ± 0.000 χ^2/NDF : 517950056.4/36

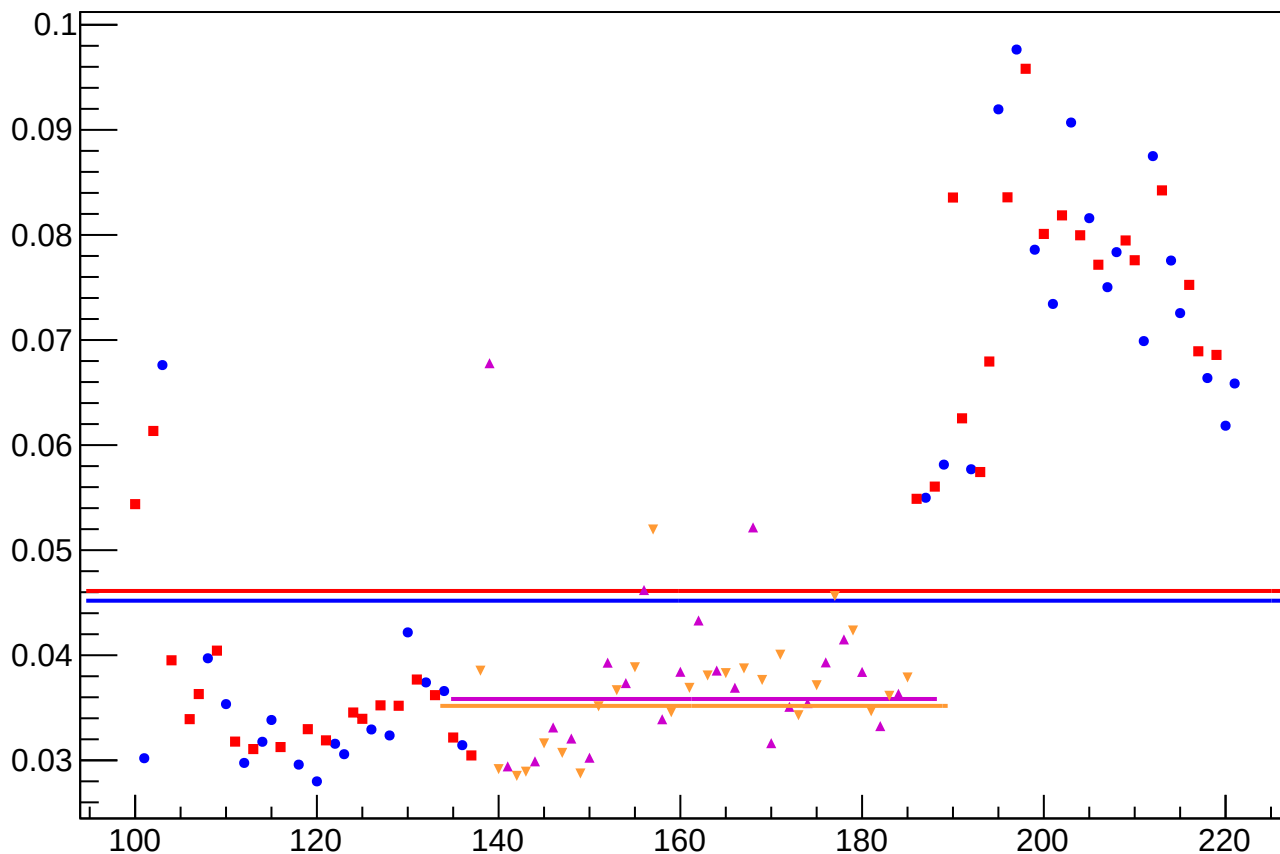
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.194 ± 0.000 χ^2/NDF : 2600954973.9/59

All: -1.197 ± 0.000 χ^2/NDF : 5051200782.5/1

- 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: 5848702.4/34

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

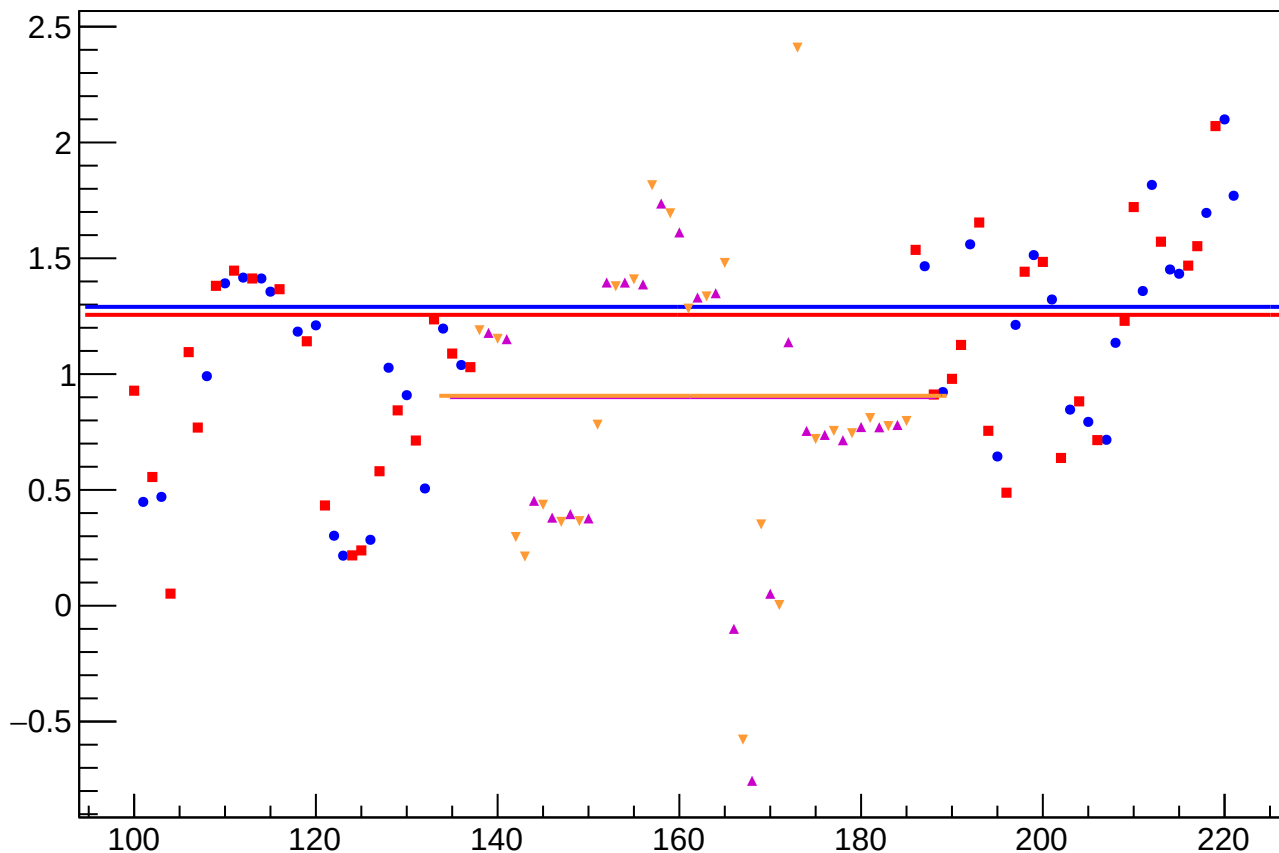
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.039 $\pm$ 0.000 χ^2 /NDF: 7408761.3/59

All: 0.039 $\pm$ 0.000 χ^2 /NDF: 14189285.3/119

- sign 0.040 $\pm$ 0.000 χ^2 /NDF: 6766300.6/59

yield_bpm12Y_mean vs Slug



Right In: 1.290 $\pm$ 0.000 χ^2 /NDF: 80761472844.6/34

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

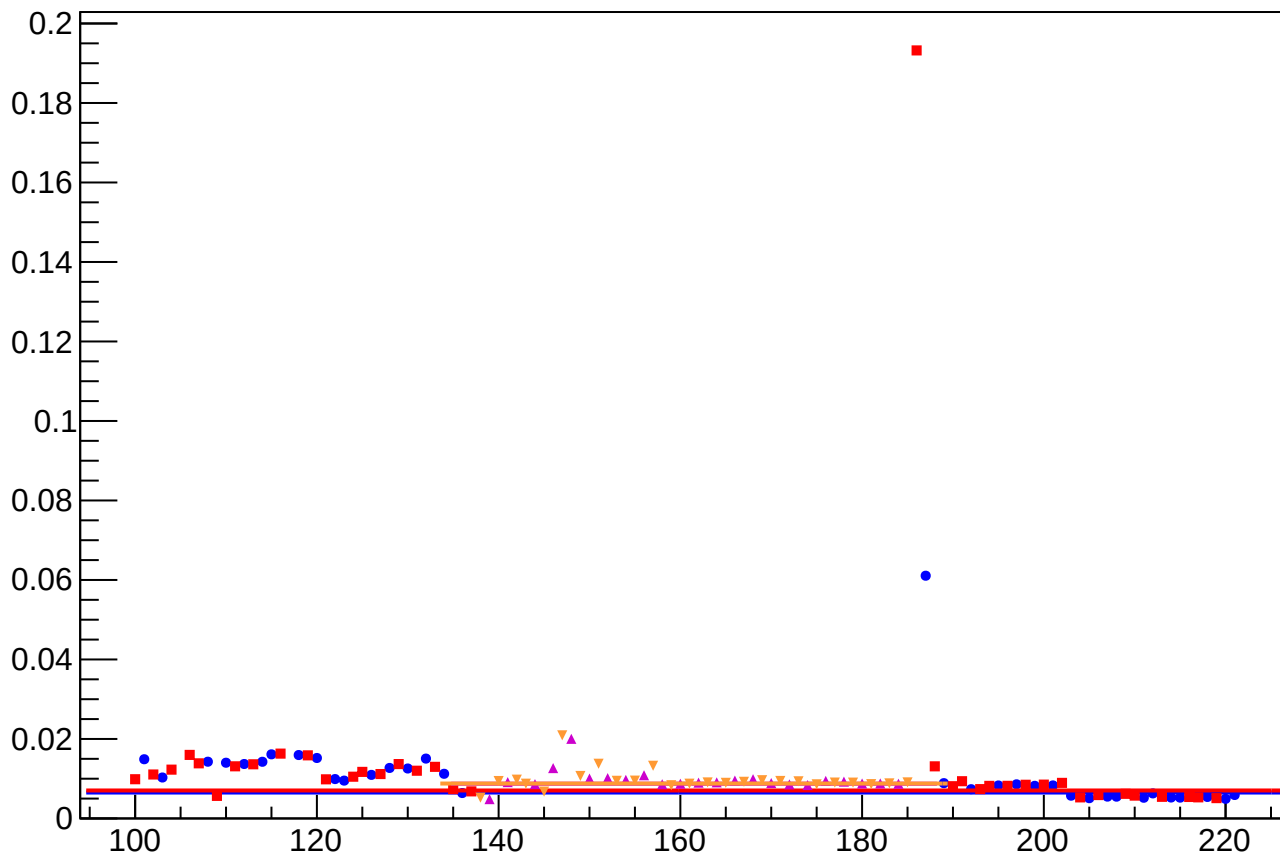
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 1.152 $\pm$ 0.000 χ^2 /NDF: 185523141300.5/59

All: 1.135 $\pm$ 0.000 χ^2 /NDF: 340362530548.2

- 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 : 4003925.6/34

Left Out: 0.009+/-0.000 χ^2/NDF : 1698526.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4326799.0/36

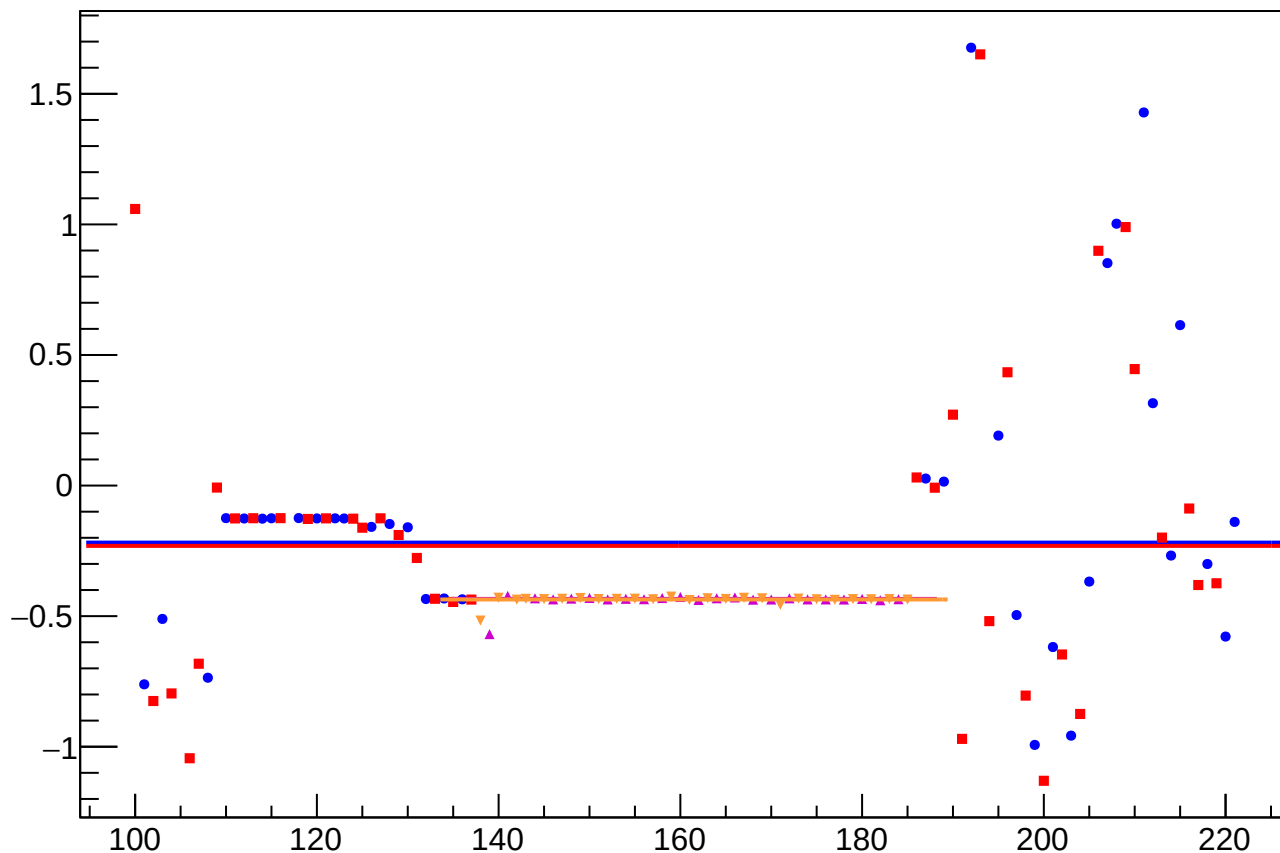
Left In: 0.009+/-0.000 χ^2/NDF : 1669983.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 7137660.1/59

All: 0.008+/-0.000 χ^2/NDF : 13937992.0/119

- sign 0.008+/-0.000 χ^2/NDF : 6722793.7/59

yield_bpm16X_mean vs Slug



Right In: -0.218 ± 0.000 χ^2/NDF : 5049930763.5/34

Left Out: -0.436 ± 0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.231 ± 0.000 χ^2/NDF : 3439646750.0/36

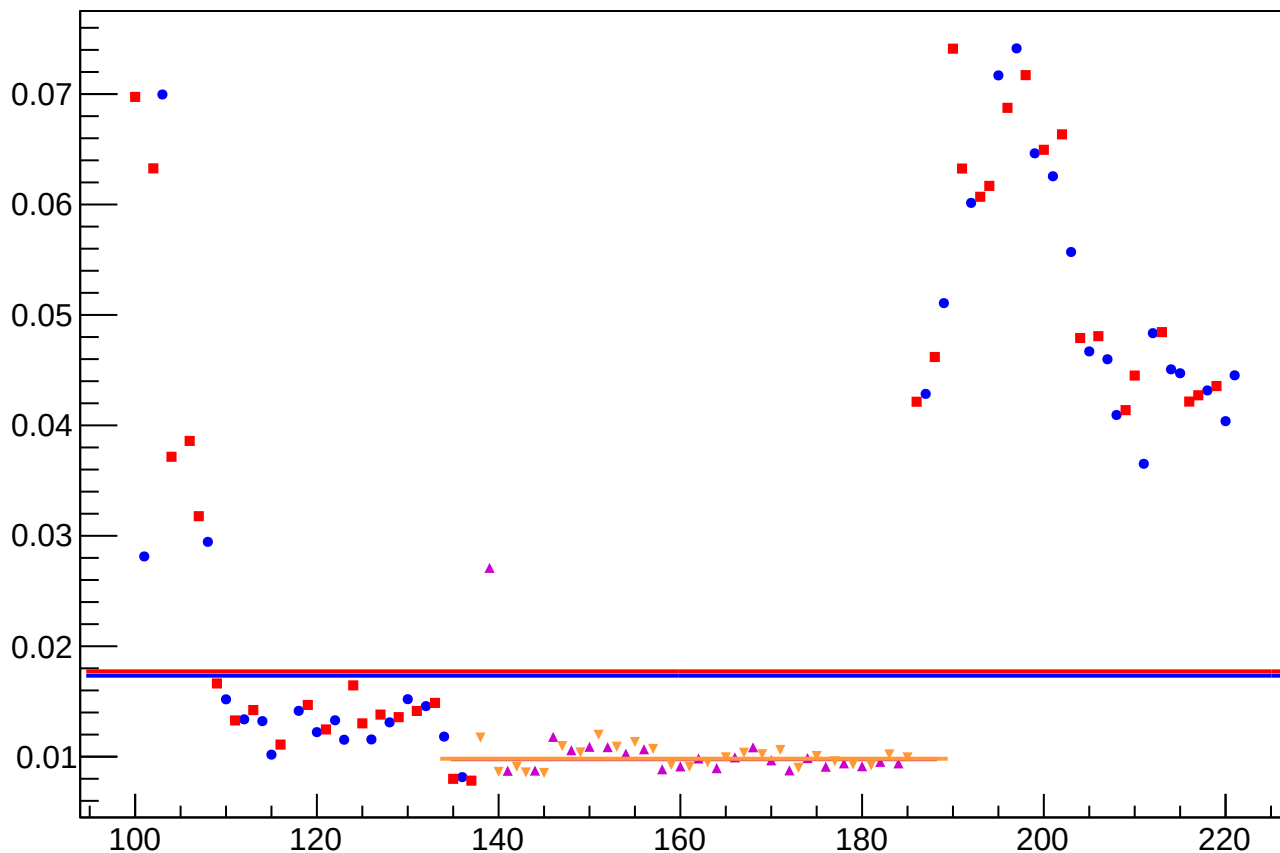
Left In: -0.434 ± 0.000 χ^2/NDF : 20164730.3/22

+ sign -0.396 ± 0.000 χ^2/NDF : 6505060218.4/59

All: -0.396 ± 0.000 χ^2/NDF : 11123628009.1/111

- sign -0.397 ± 0.000 χ^2/NDF : 4618492604.5/59

yield_bpm16X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 14318304.2/34

Left Out: 0.010+/-0.000 χ^2/NDF : 271172.3/24

Right Out: 0.018+/-0.000 χ^2/NDF : 13840087.9/36

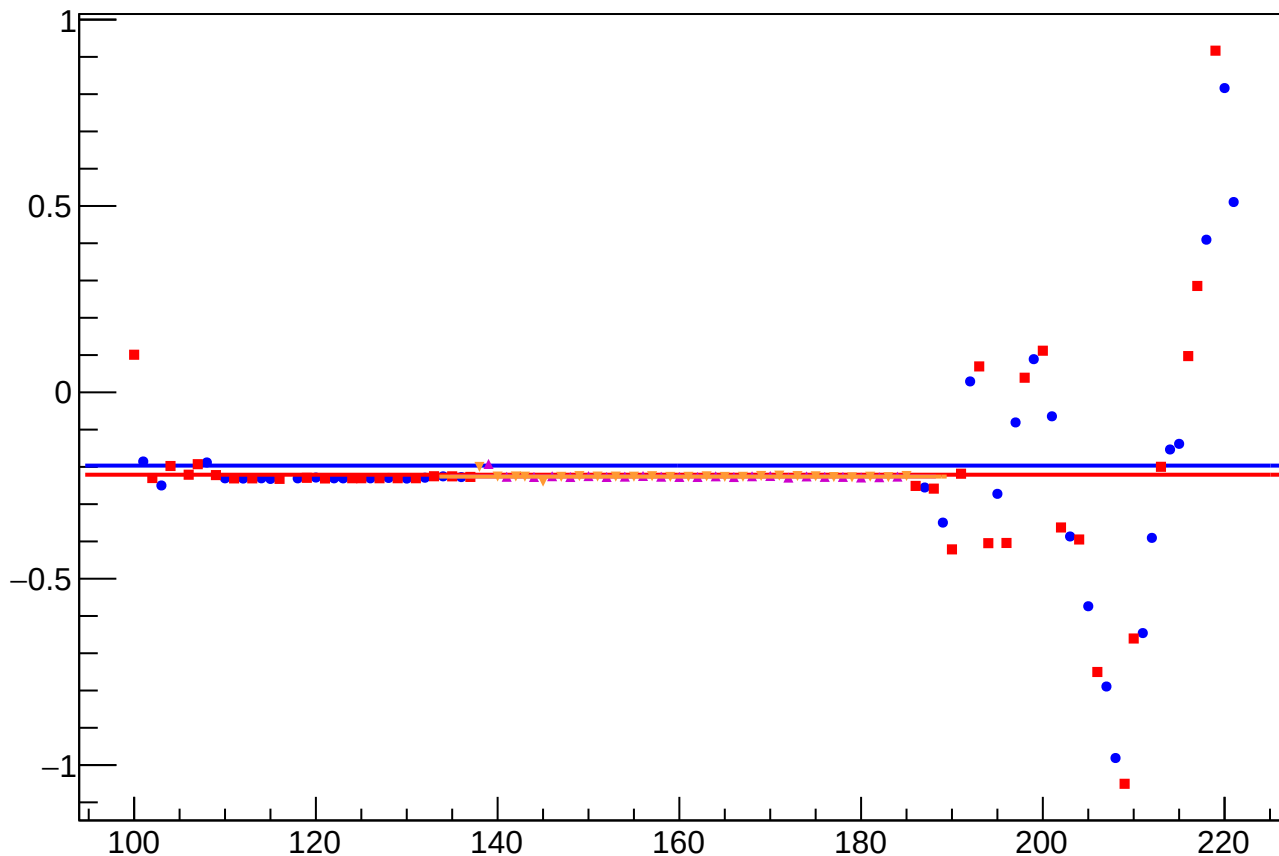
Left In: 0.010+/-0.000 χ^2/NDF : 786577.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 17990850.1/59

All: 0.011+/-0.000 χ^2/NDF : 36173356.2/119

- sign 0.011+/-0.000 χ^2/NDF : 18182396.5/59

yield_bpm16Y_mean vs Slug



Right In: -0.197 ± 0.000 $\chi^2/\text{NDF}: 53949360474.5/34$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21207366.3/24$

Right Out: -0.221 ± 0.000 $\chi^2/\text{NDF}: 46860873277.3/36$

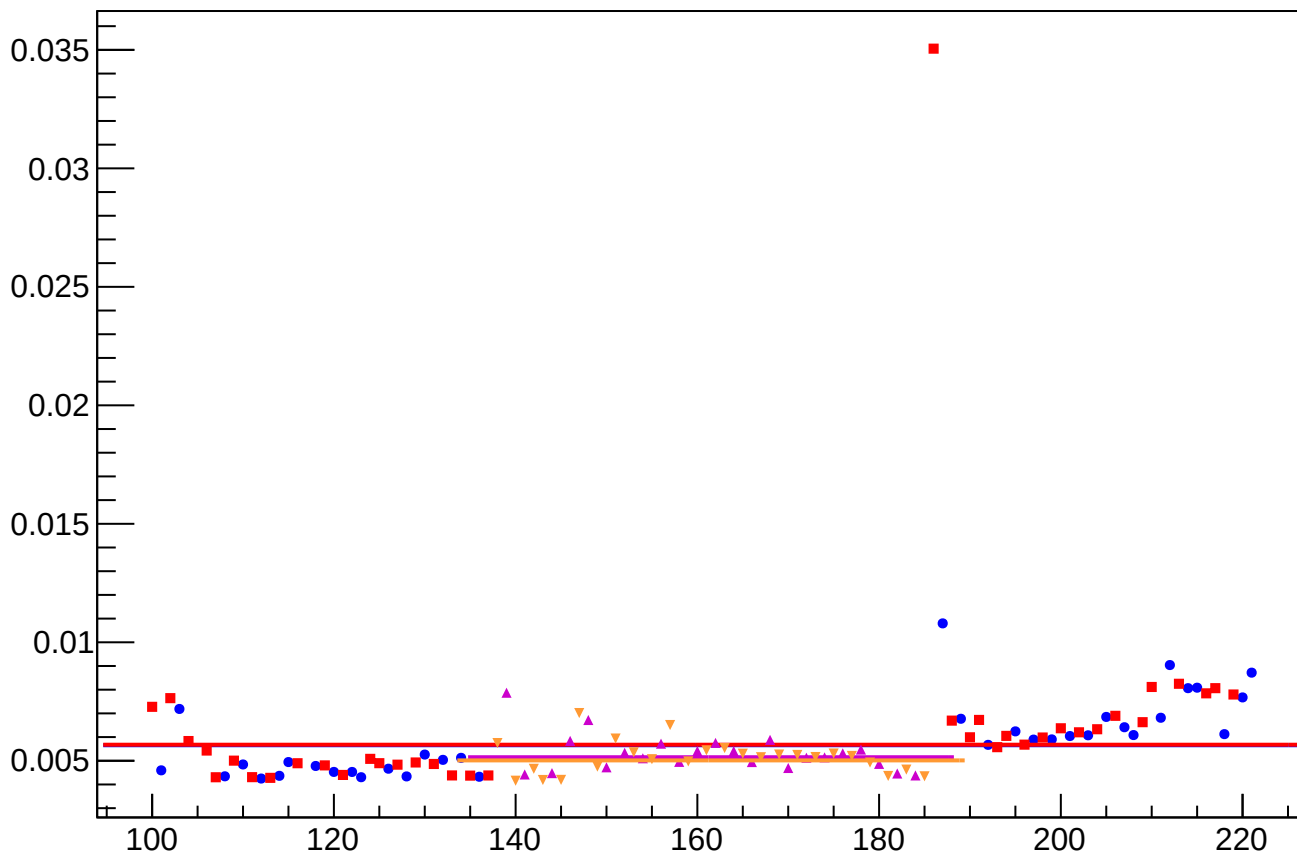
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 13717302.5/22$

+ sign -0.213 ± 0.000 $\chi^2/\text{NDF}: 54236681881.5/59$

All: -0.218 ± 0.000 $\chi^2/\text{NDF}: 101186016996.7$

- sign -0.224 ± 0.000 $\chi^2/\text{NDF}: 46881035474.3/59$

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1711984.0/34

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1980348.1/36

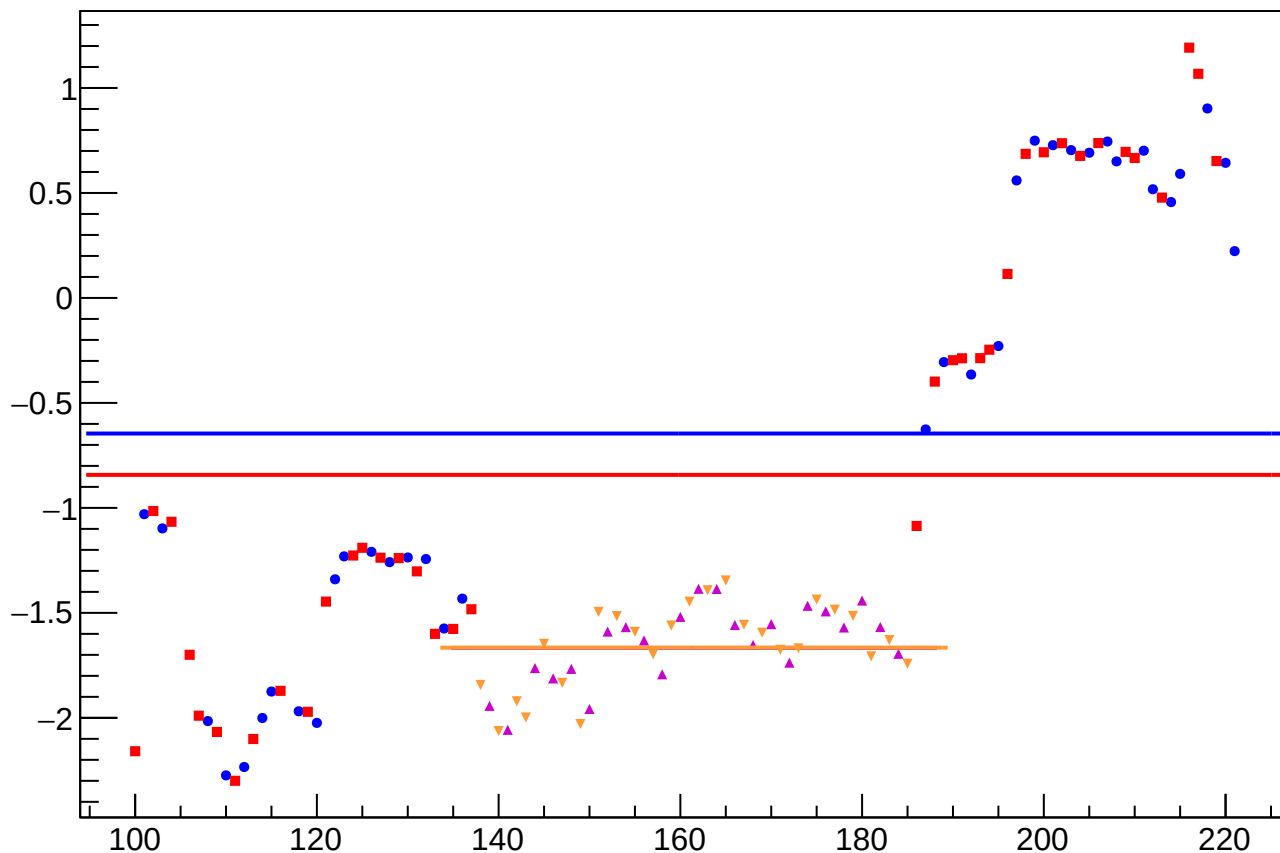
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 2495599.9/59

All: 0.005+/-0.000 χ^2/NDF : 5151272.0/119

- sign 0.005+/-0.000 χ^2/NDF : 2645170.4/59

yield_bpm0l01X_mean vs Slug



Right In: -0.646+/-0.000 χ^2/NDF : 268941335083.5/34

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -0.843+/-0.000 χ^2/NDF : 302214633765.0/36

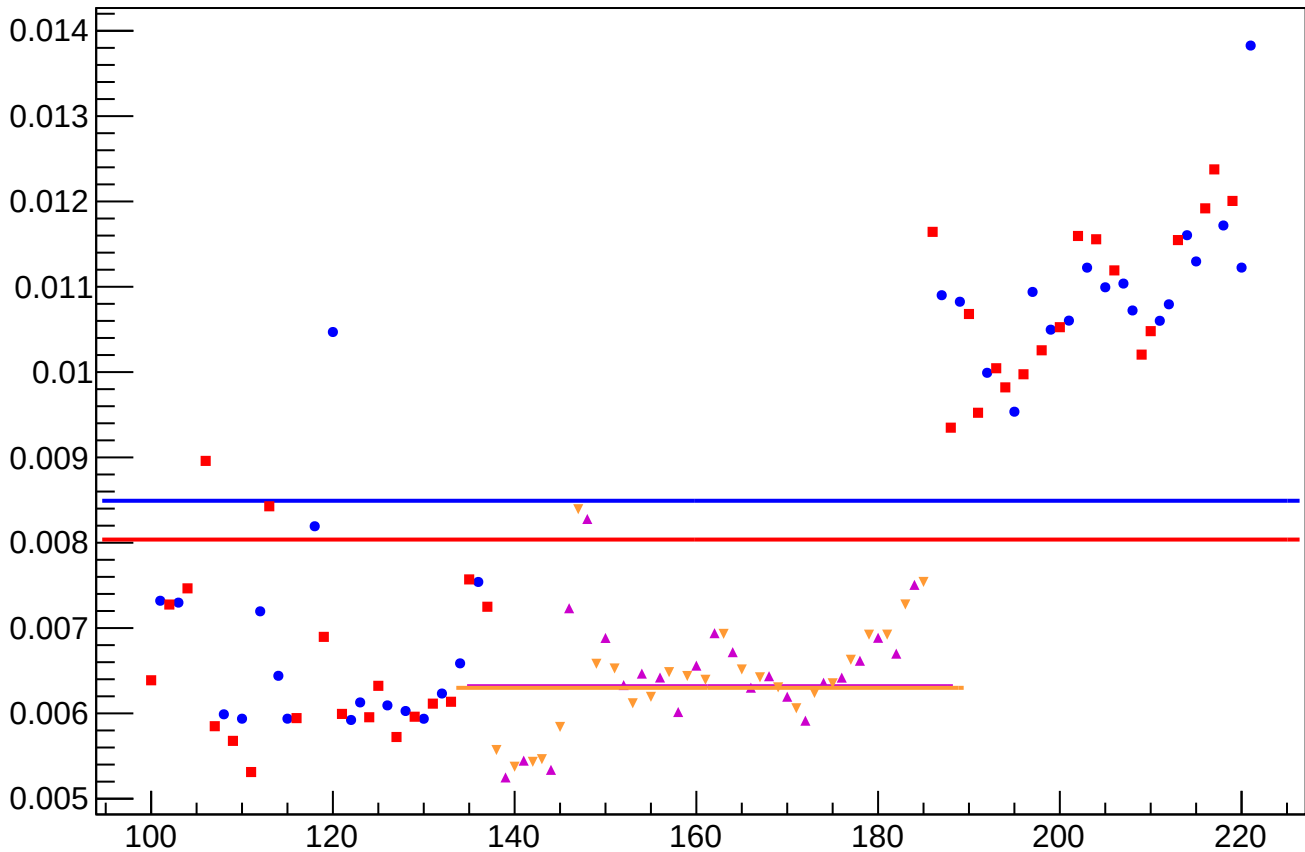
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.301+/-0.000 χ^2/NDF : 451555094125.5/59

All: -1.322+/-0.000 χ^2/NDF : 879663495909.1

- sign -1.342+/-0.000 χ^2/NDF : 427525428510.5/59

yield_bpm0l01X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2580685.5/34

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:312811.2/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 2775244.2/36

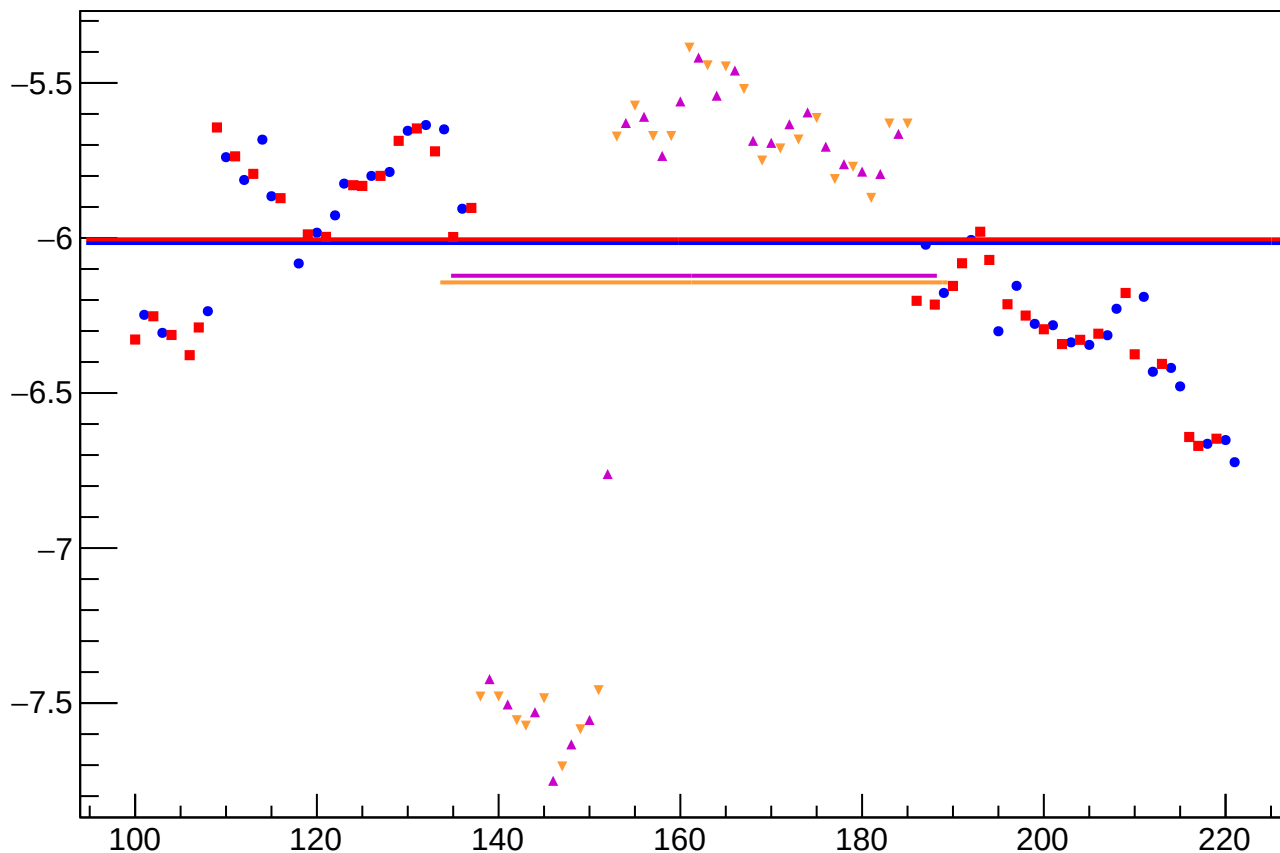
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:334332.4/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4411647.4/59

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8488990.7/119

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4072073.2/59

yield_bpm0l01Y_mean vs Slug



Right In: -6.016+/-0.000 χ^2/NDF : 22720381230.9/34

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -6.004+/-0.000 χ^2/NDF : 22171013094.8/36

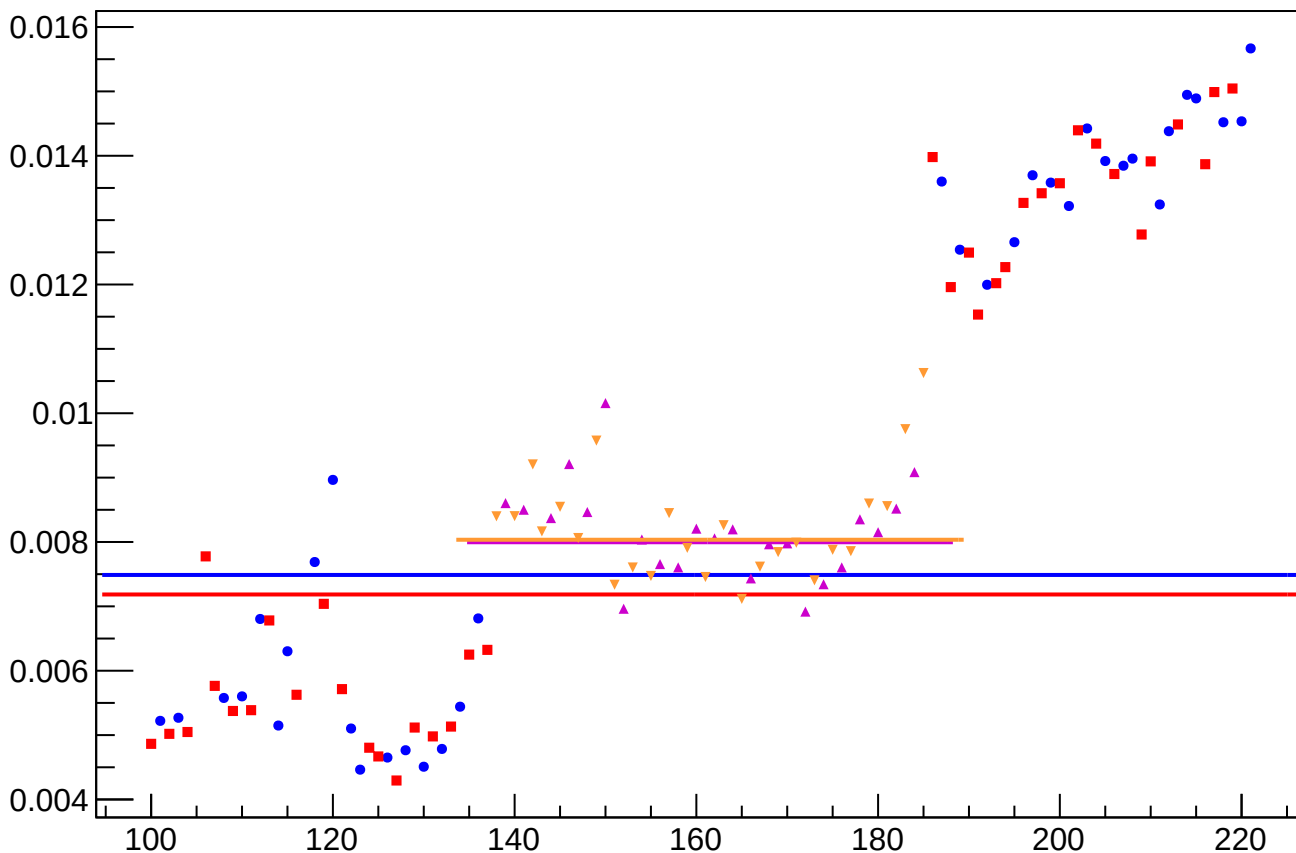
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.078+/-0.000 χ^2/NDF : 210564448662.0/59

All: -6.068+/-0.000 χ^2/NDF : 394596833397.0

- 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 : 7567430.4/34

Left Out: 0.008+/-0.000 χ^2/NDF :205976.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 6980077.6/36

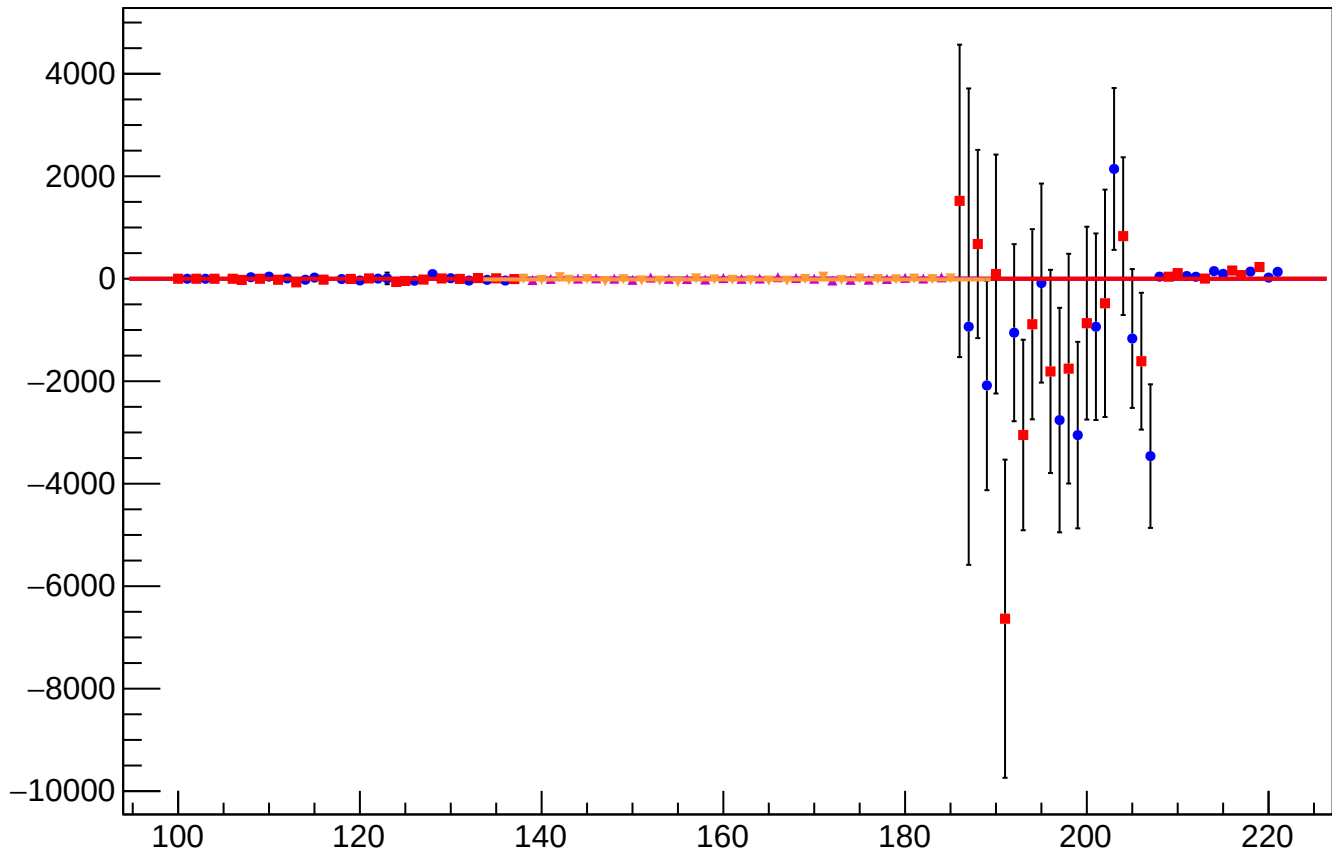
Left In: 0.008+/-0.000 χ^2/NDF :220203.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 7852036.4/59

All: 0.008+/-0.000 χ^2/NDF : 15249108.0/119

- 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 : 66.2/34

Left Out: -13.472 ± 2.796 χ^2/NDF : 58.5/24

Right Out: 0.003 ± 0.016 χ^2/NDF : 63.4/36

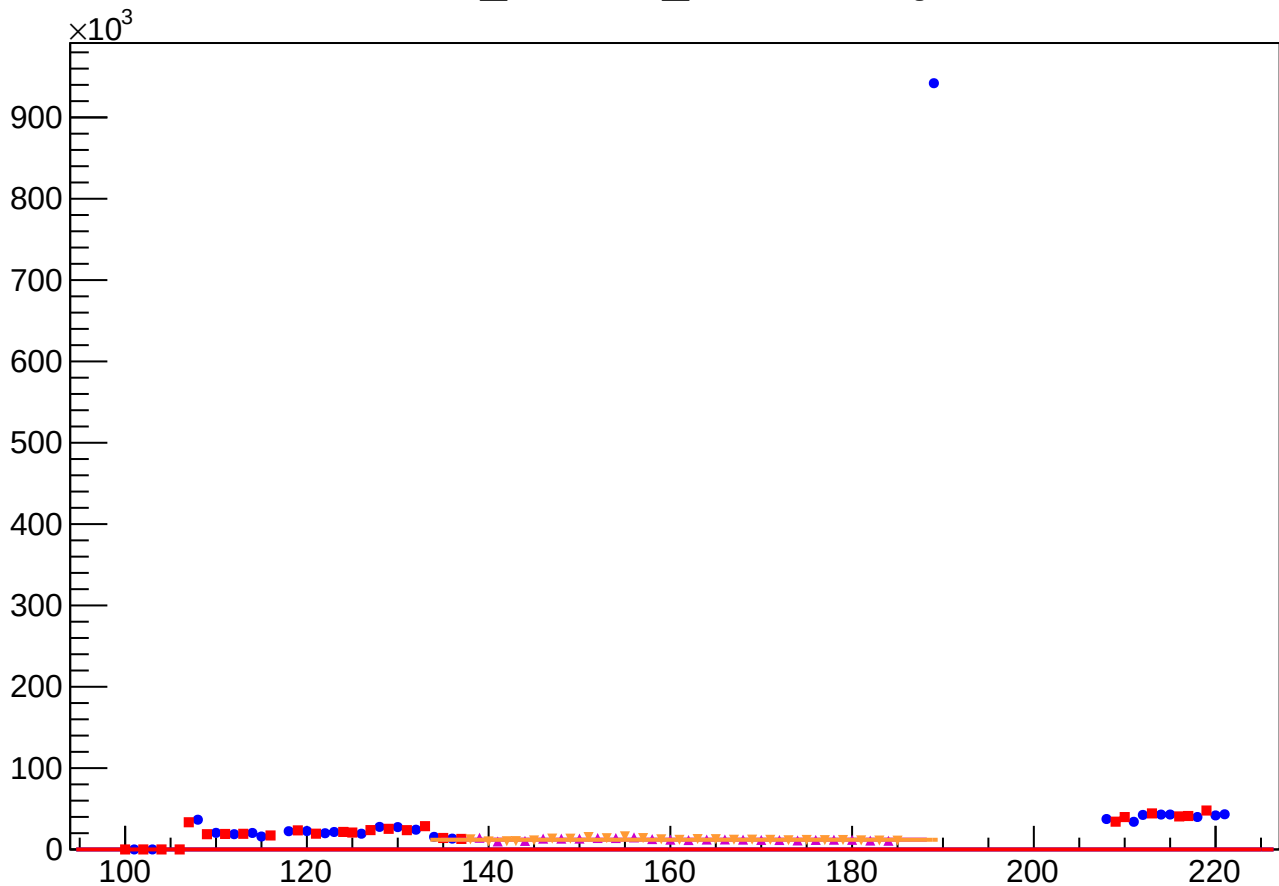
Left In: -0.489 ± 2.905 χ^2/NDF : 28.7/22

+ sign 0.013 ± 0.017 χ^2/NDF : 148.0/59

All: 0.008 ± 0.012 χ^2/NDF : 240.2/119

- sign 0.003 ± 0.016 χ^2/NDF : 92.1/59

diff_cav4bX_rms vs Slug



Right In: 18.686+/-0.012 χ^2/NDF : 23184000.5/25

Left Out: 11909.835+/-1.977 χ^2/NDF : 475310.2/24

Right Out: 18.339+/-0.011 χ^2/NDF : 19897528.6/24

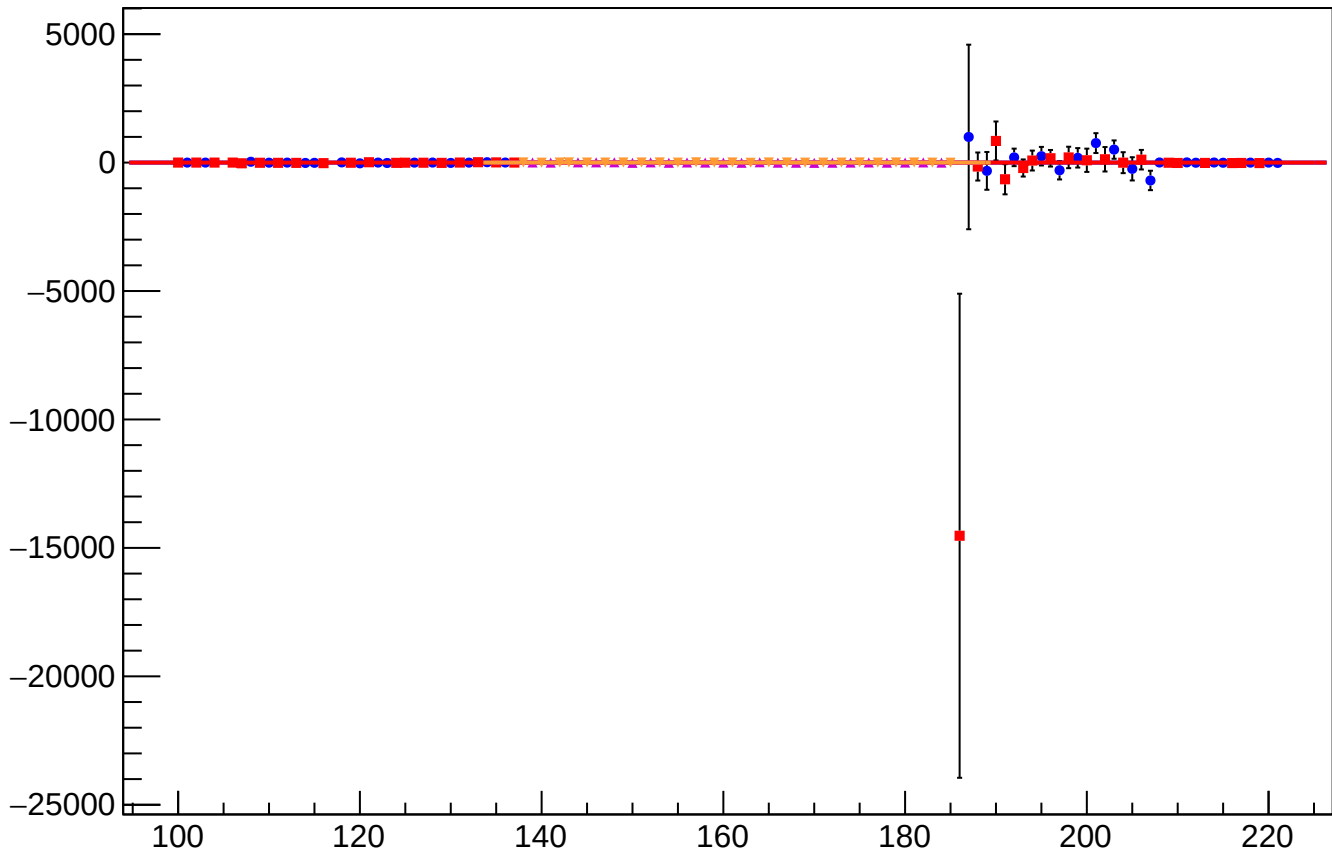
Left In: 12064.321+/-2.054 χ^2/NDF : 372586.0/22

+ sign 19.143+/-0.012 χ^2/NDF : 59823967.5/50

All: 18.909+/-0.008 χ^2/NDF : 114474558.2/98

- 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: 34.3/34

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

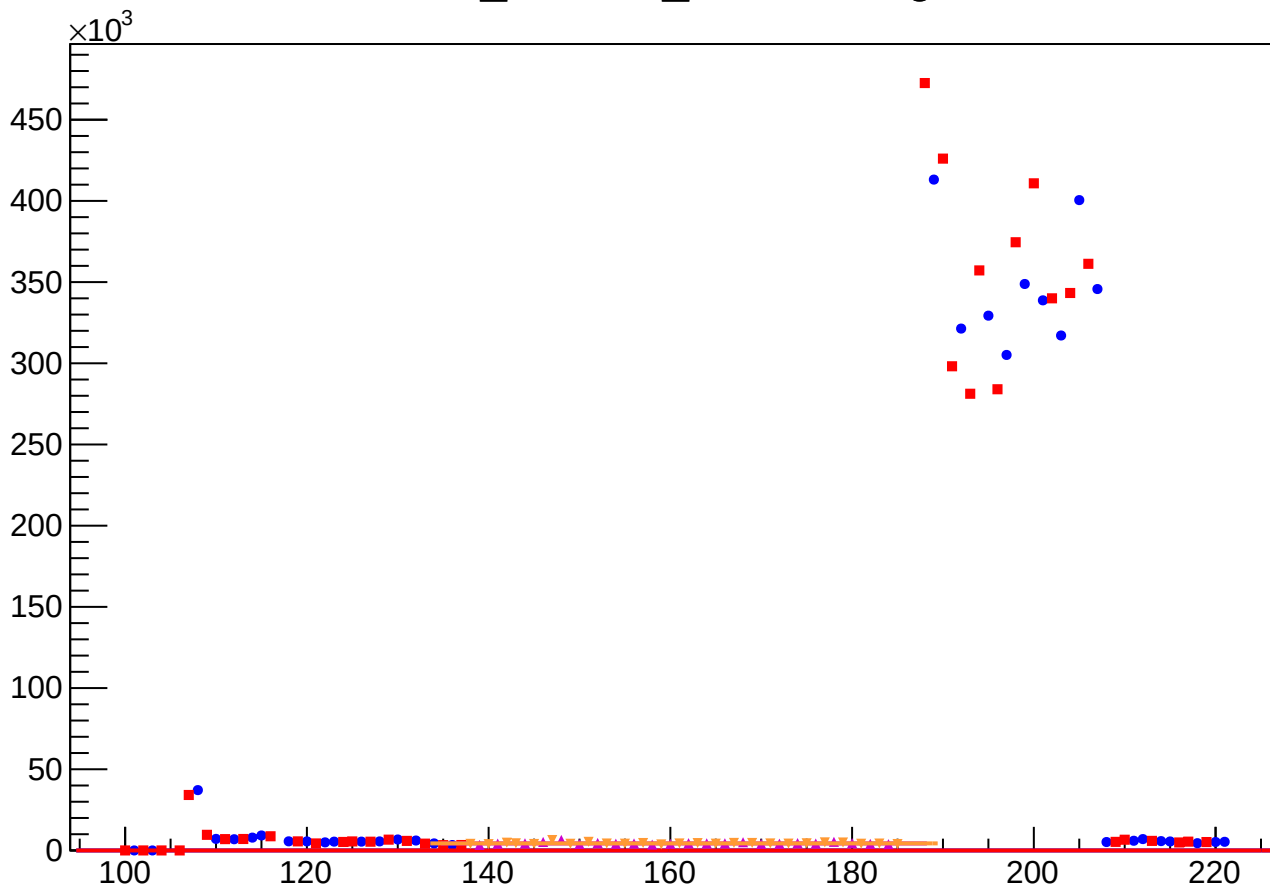
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 54.9/59

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 151.6/119

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 95.6/59

diff_cav4bY_rms vs Slug



Right In: 10.033+/-0.007 χ^2/NDF : 36576715.2/33

Left Out: 4350.545+/-0.722 χ^2/NDF : 384749.0/24

Right Out: 9.915+/-0.006 χ^2/NDF : 34667462.6/35

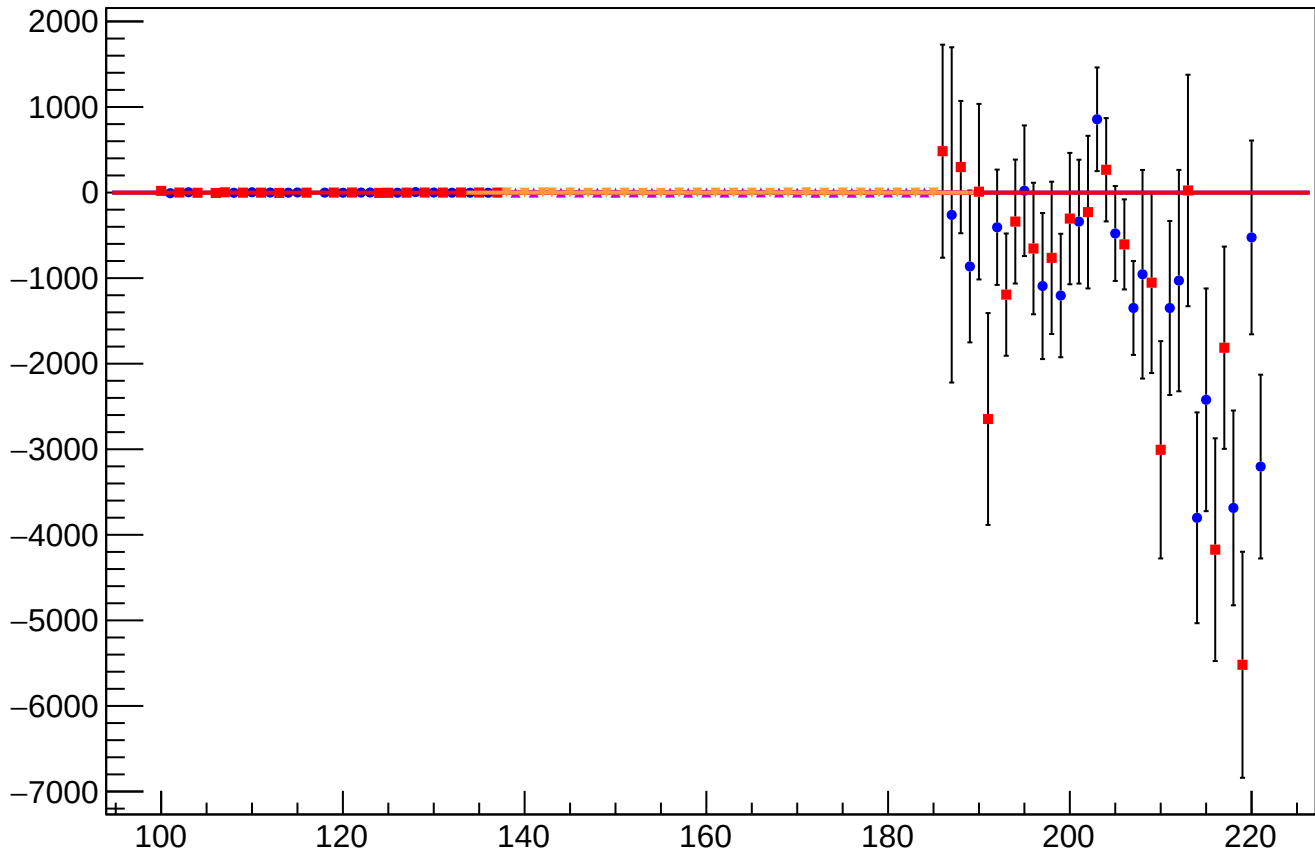
Left In: 4314.568+/-0.738 χ^2/NDF : 534594.3/22

+ sign 10.386+/-0.007 χ^2/NDF : 73103121.9/58

All: 10.293+/-0.004 χ^2/NDF : 142367660.2/1

- 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 : 72.8/34

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.765 ± 0.502 χ^2/NDF : 59.5/36

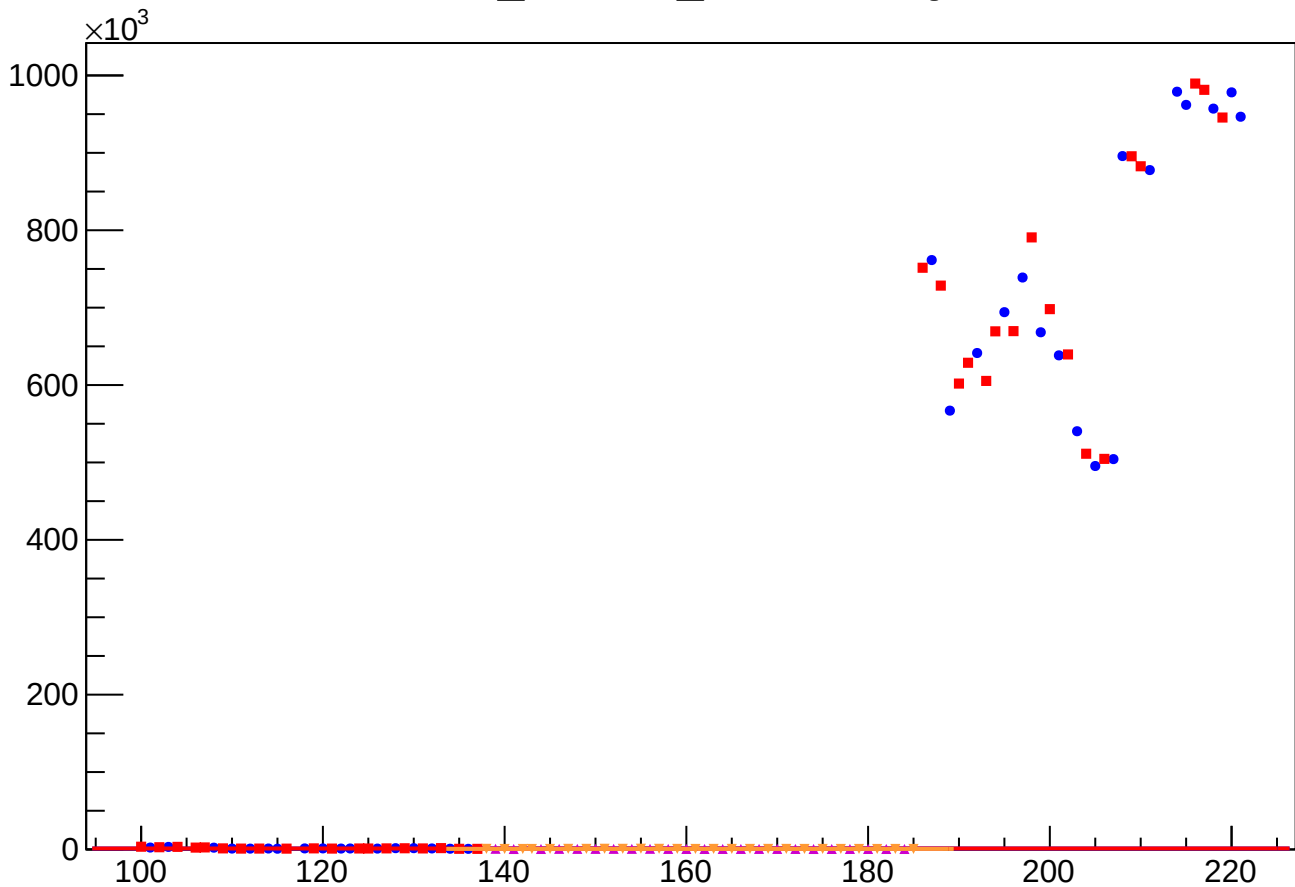
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.768 ± 0.156 χ^2/NDF : 131.2/59

All: -0.444 ± 0.112 χ^2/NDF : 230.8/119

- sign -0.097 ± 0.161 χ^2/NDF : 90.7/59

diff_cav4cX_rms vs Slug



Right In: 1167.573+/-0.343 χ^2/NDF : 20399679.1/33

Left Out: 700.797+/-0.116 χ^2/NDF : 392521.4/24

Right Out: 1252.677+/-0.355 χ^2/NDF : 19391376.6/35

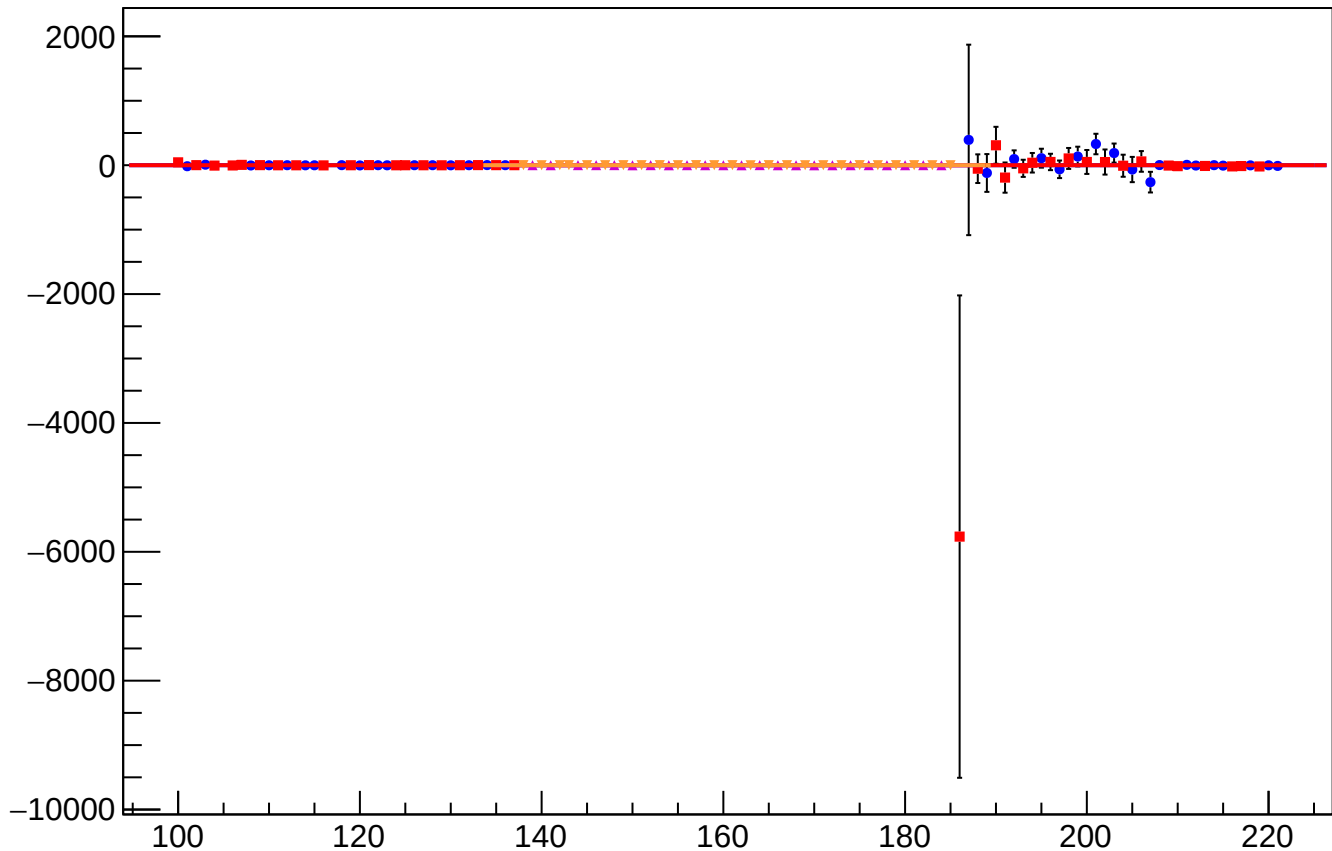
Left In: 706.950+/-0.120 χ^2/NDF : 338177.1/22

+ sign 748.848+/-0.110 χ^2/NDF : 22453939.0/58

All: 755.750+/-0.079 χ^2/NDF : 44311053.1/11

- sign 763.149+/-0.114 χ^2/NDF : 21848962.3/58

diff_cav4cY_mean vs Slug



Right In: -0.119 ± 0.267 χ^2/NDF : 41.9/34

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.027 ± 0.263 χ^2/NDF : 76.1/36

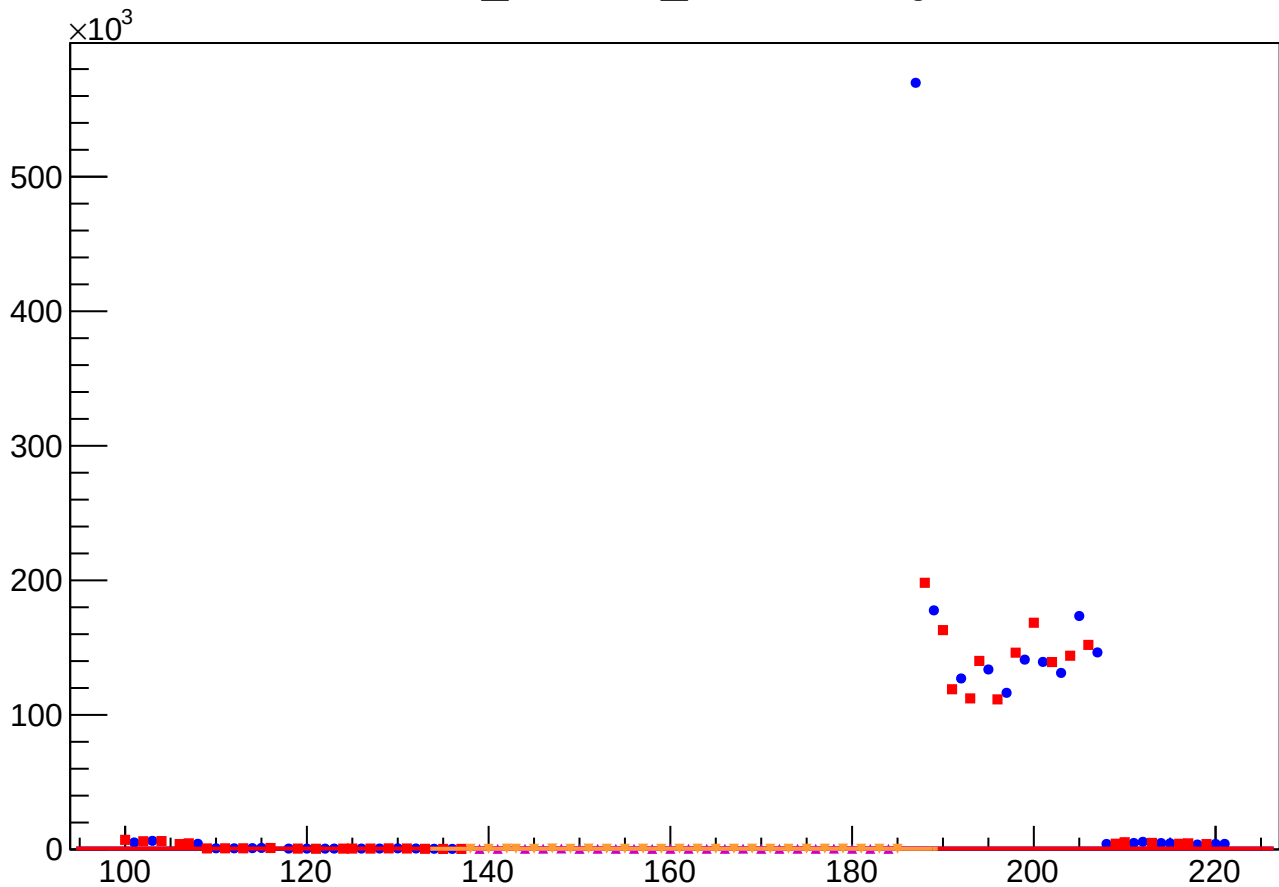
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.175 ± 0.111 χ^2/NDF : 61.0/59

All: 0.137 ± 0.079 χ^2/NDF : 172.4/119

- sign 0.099 ± 0.113 χ^2/NDF : 111.2/59

diff_cav4cY_rms vs Slug



Right In: 697.006 ± 0.189 χ^2/NDF : 25765839.7/34

Left Out: 522.416 ± 0.087 χ^2/NDF : 331573.1/24

Right Out: 661.976 ± 0.186 χ^2/NDF : 24839061.1/35

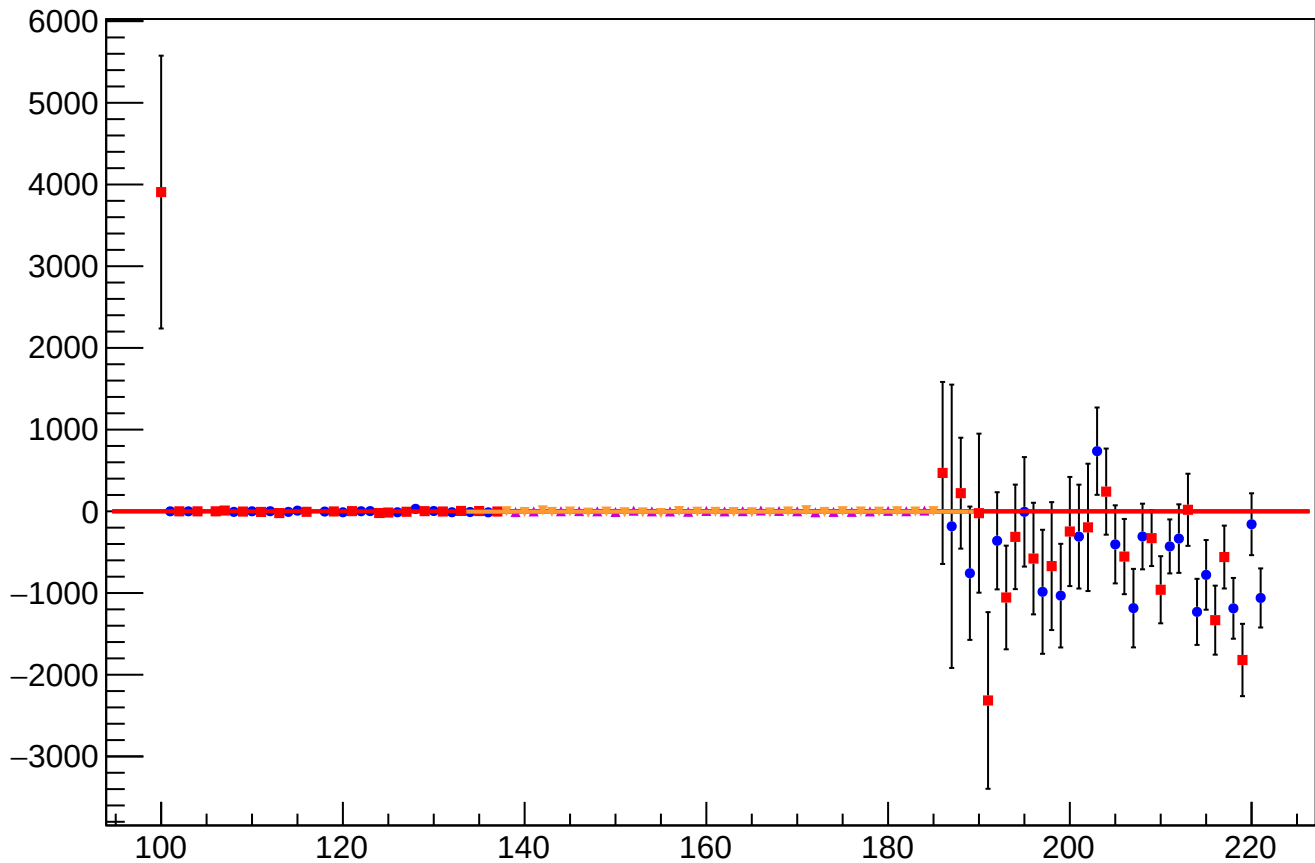
Left In: 519.909 ± 0.089 χ^2/NDF : 444746.3/22

+ sign 552.685 ± 0.079 χ^2/NDF : 26801935.2/59

All: 549.539 ± 0.056 χ^2/NDF : 52564872.8/11

- 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 : 64.6/34

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 63.3/36

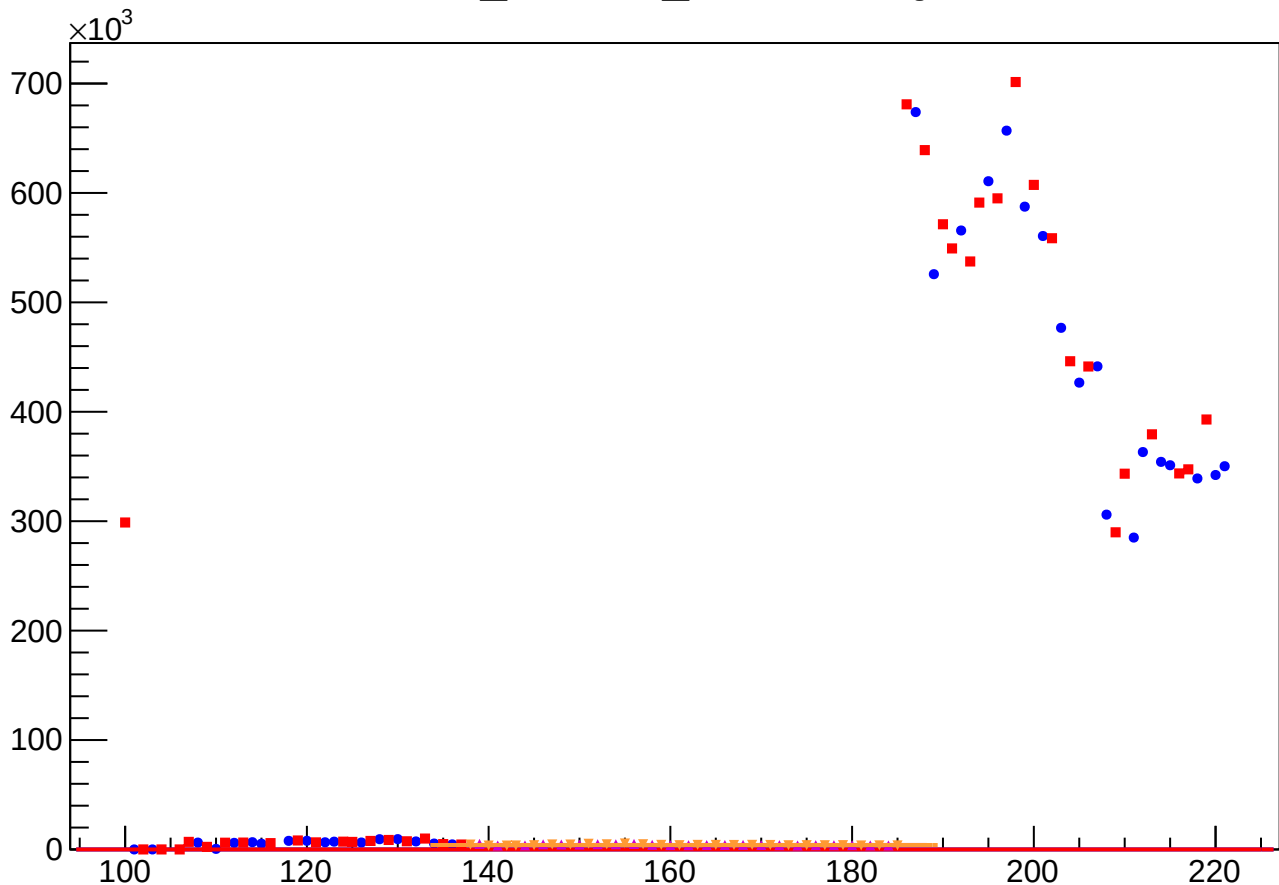
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 144.5/59

All: -0.025 ± 0.014 χ^2/NDF : 237.1/119

- sign -0.027 ± 0.020 χ^2/NDF : 92.6/59

diff_cav4dX_rms vs Slug



Right In: 17.349+/-0.015 χ^2/NDF : 36776160.9/34

Left Out: 4074.257+/-0.676 χ^2/NDF : 416916.0/24

Right Out: 17.278+/-0.014 χ^2/NDF : 35531892.1/36

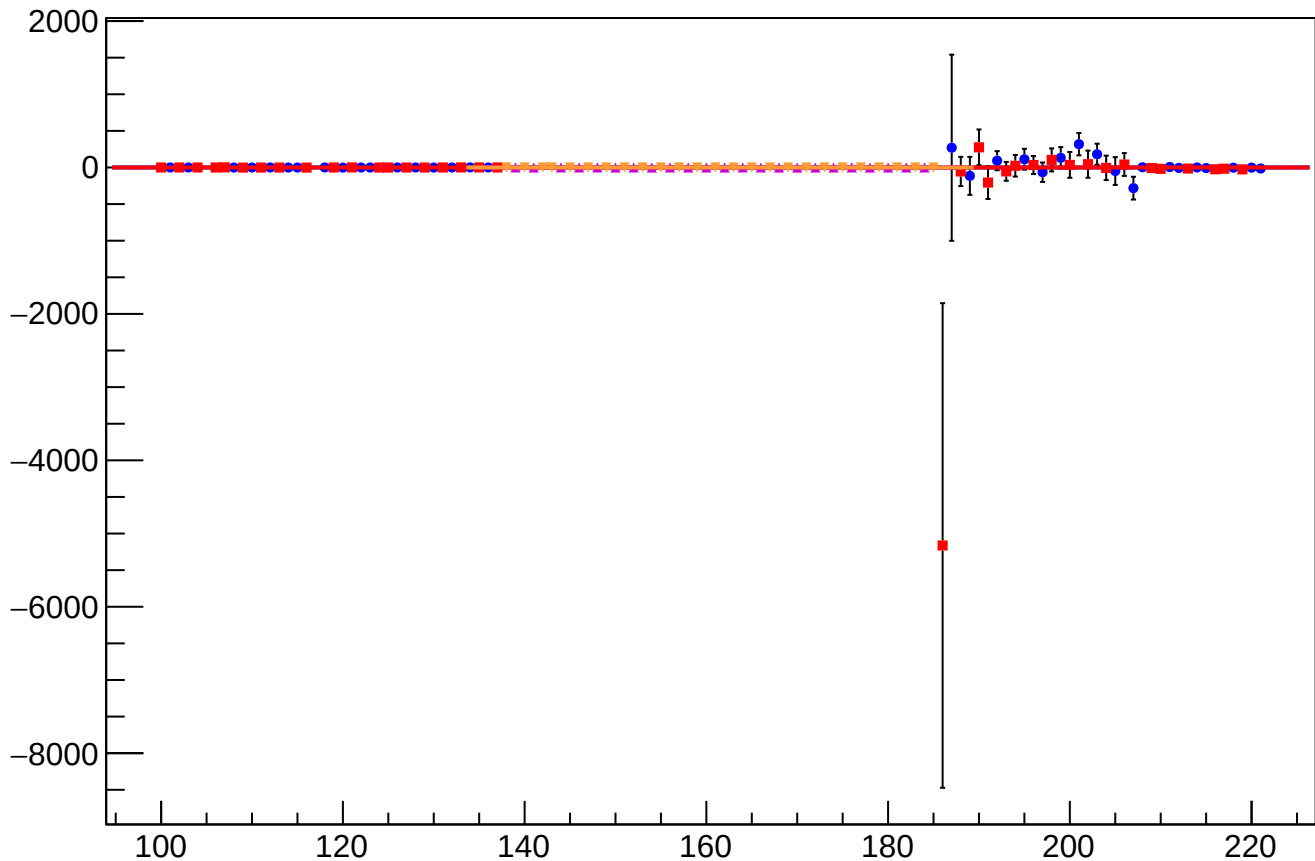
Left In: 4113.744+/-0.700 χ^2/NDF : 354965.8/22

+ sign 19.269+/-0.015 χ^2/NDF : 73226070.0/59

All: 19.081+/-0.010 χ^2/NDF : 143329929.5/11

- 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: 37.8/34

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

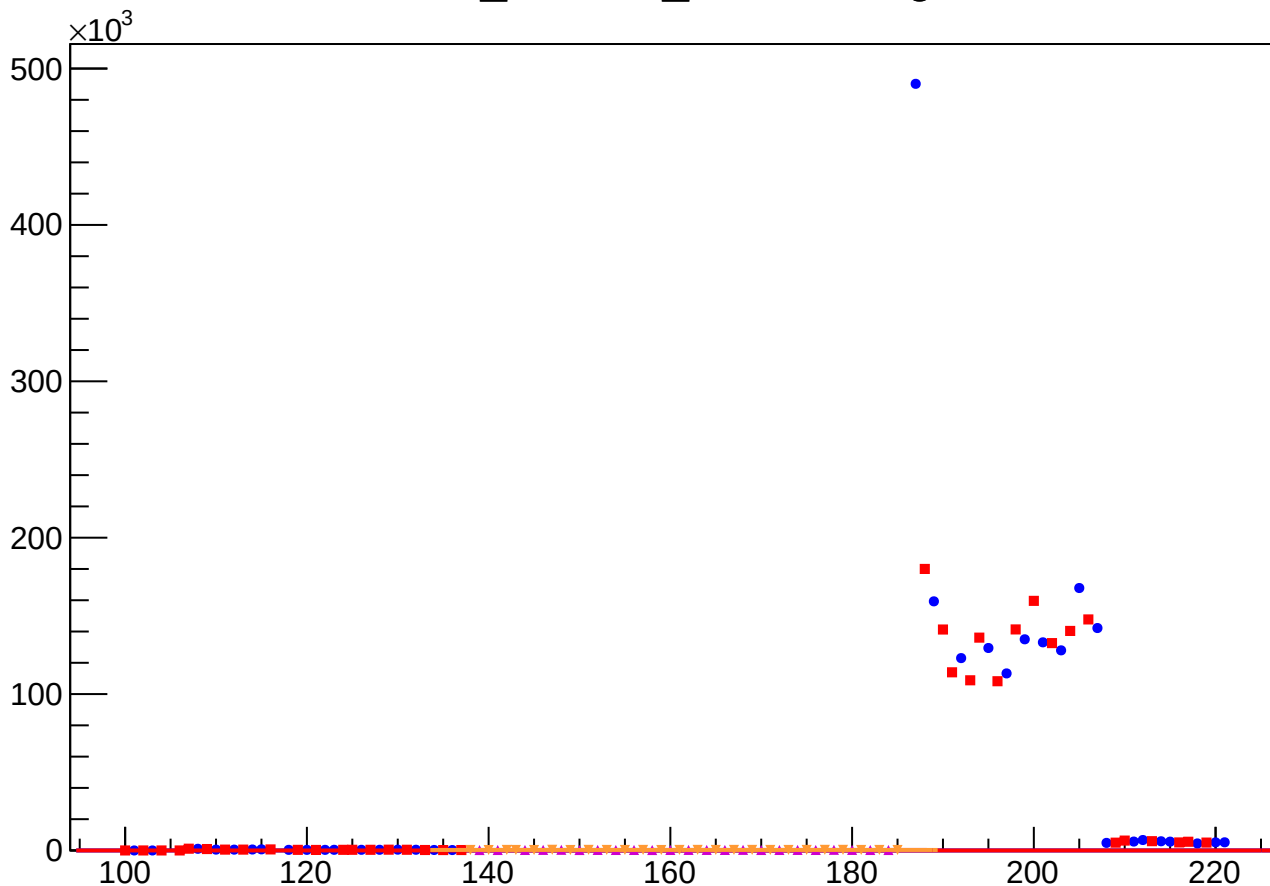
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF: 34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 58.5/59

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 172.3/119

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 113.8/59

diff_cav4dY_rms vs Slug



Right In: 1.703 $\pm$ 0.001 χ^2 /NDF: 36982233.4/34

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

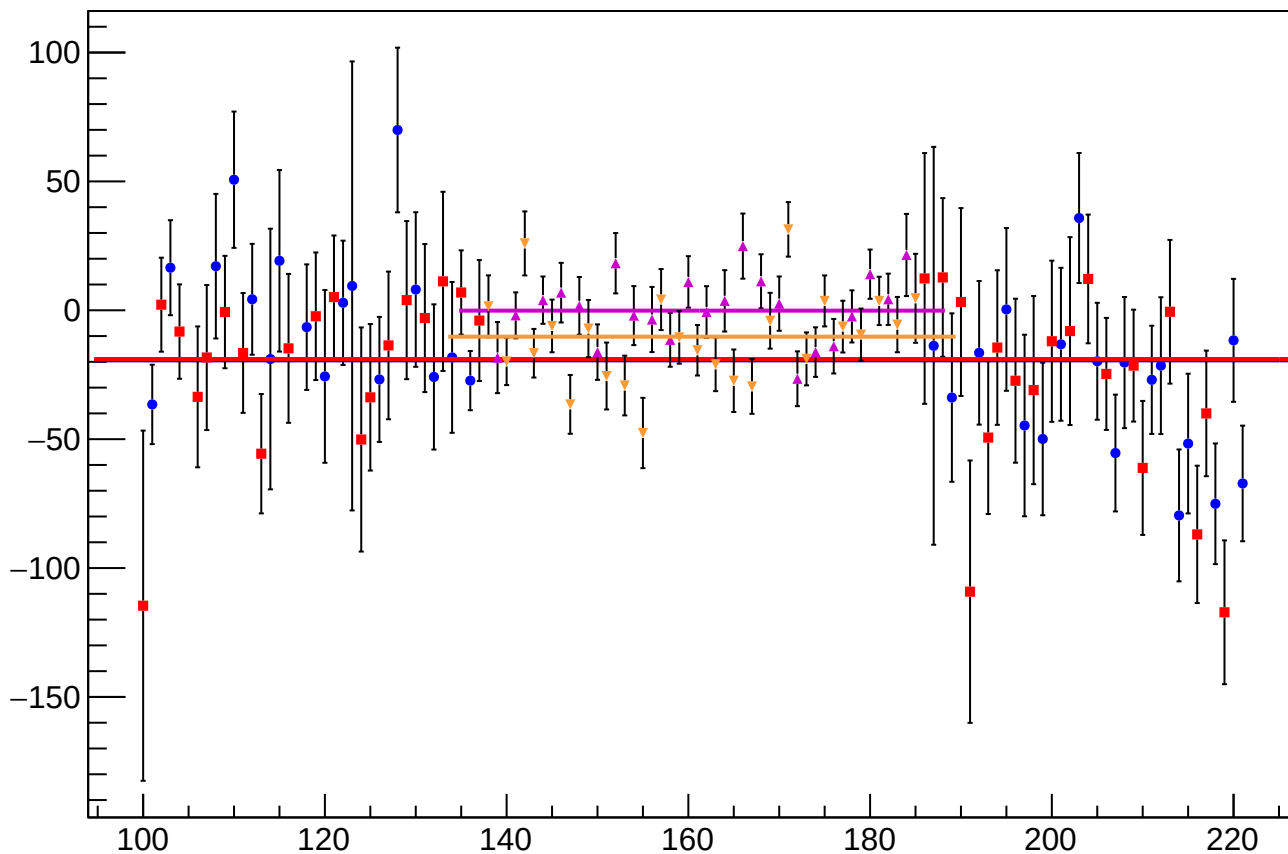
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.931 $\pm$ 0.001 χ^2 /NDF: 73293536.8/59

All: 1.930 $\pm$ 0.001 χ^2 /NDF: 142161530.3/118

- sign 1.929 $\pm$ 0.001 χ^2 /NDF: 68867992.4/58

diff_bpm4aX_mean vs Slug



Right In: -19.429 ± 4.185 $\chi^2/\text{NDF}: 53.7/34$

Left Out: -10.235 ± 2.167 $\chi^2/\text{NDF}: 58.0/24$

Right Out: -18.908 ± 4.375 $\chi^2/\text{NDF}: 44.7/36$

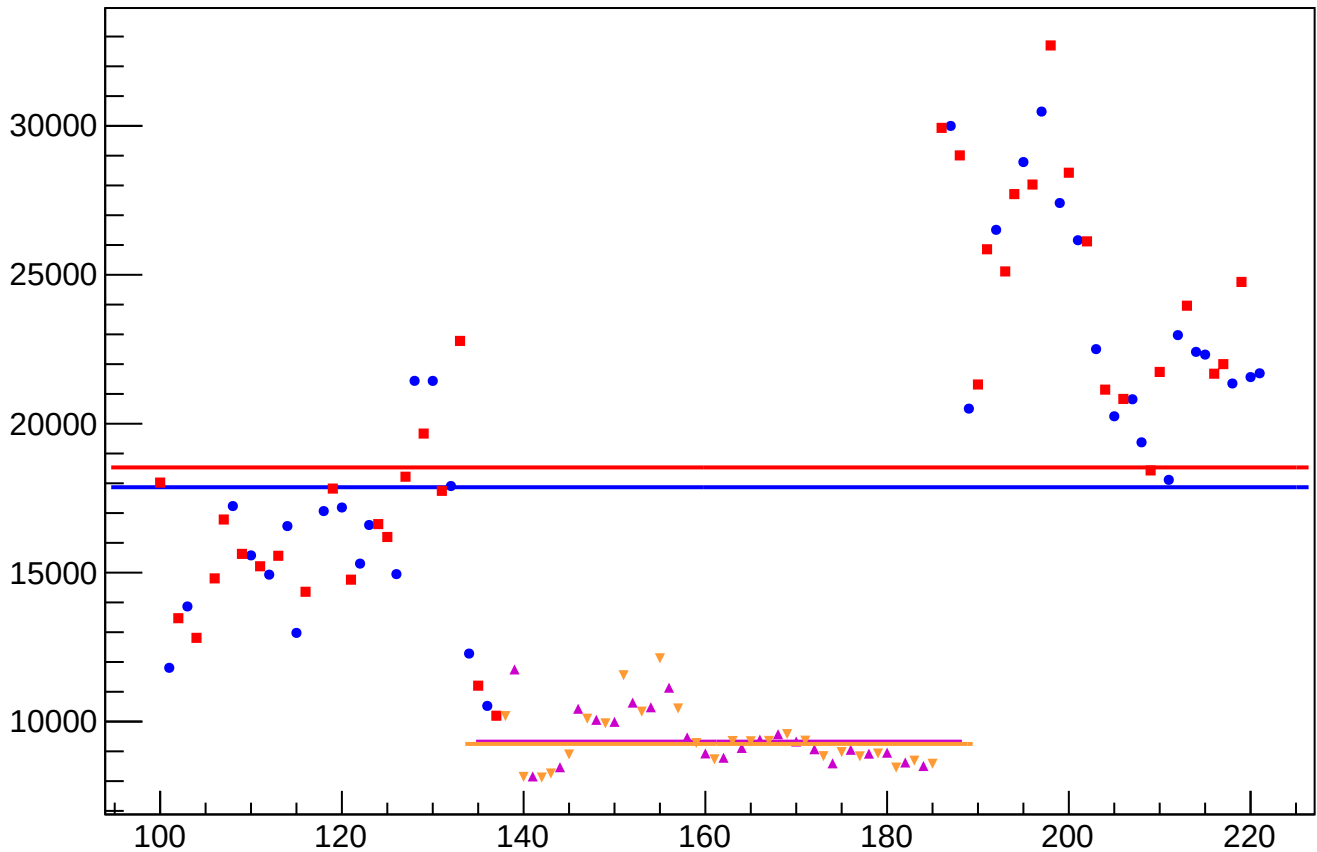
Left In: -0.130 ± 2.242 $\chi^2/\text{NDF}: 29.8/22$

+ sign -12.178 ± 1.924 $\chi^2/\text{NDF}: 115.4/59$

All: -8.255 ± 1.385 $\chi^2/\text{NDF}: 213.2/119$

- sign -4.036 ± 1.995 $\chi^2/\text{NDF}: 89.2/59$

diff_bpm4aX_rms vs Slug



Right In: 17867.710 ± 2.959 χ^2/NDF : 3083315.8/34

Left Out: 9249.358 ± 1.532 χ^2/NDF : 332003.4/24

+ sign 11070.984 ± 1.361 χ^2/NDF : 10103972.1/59

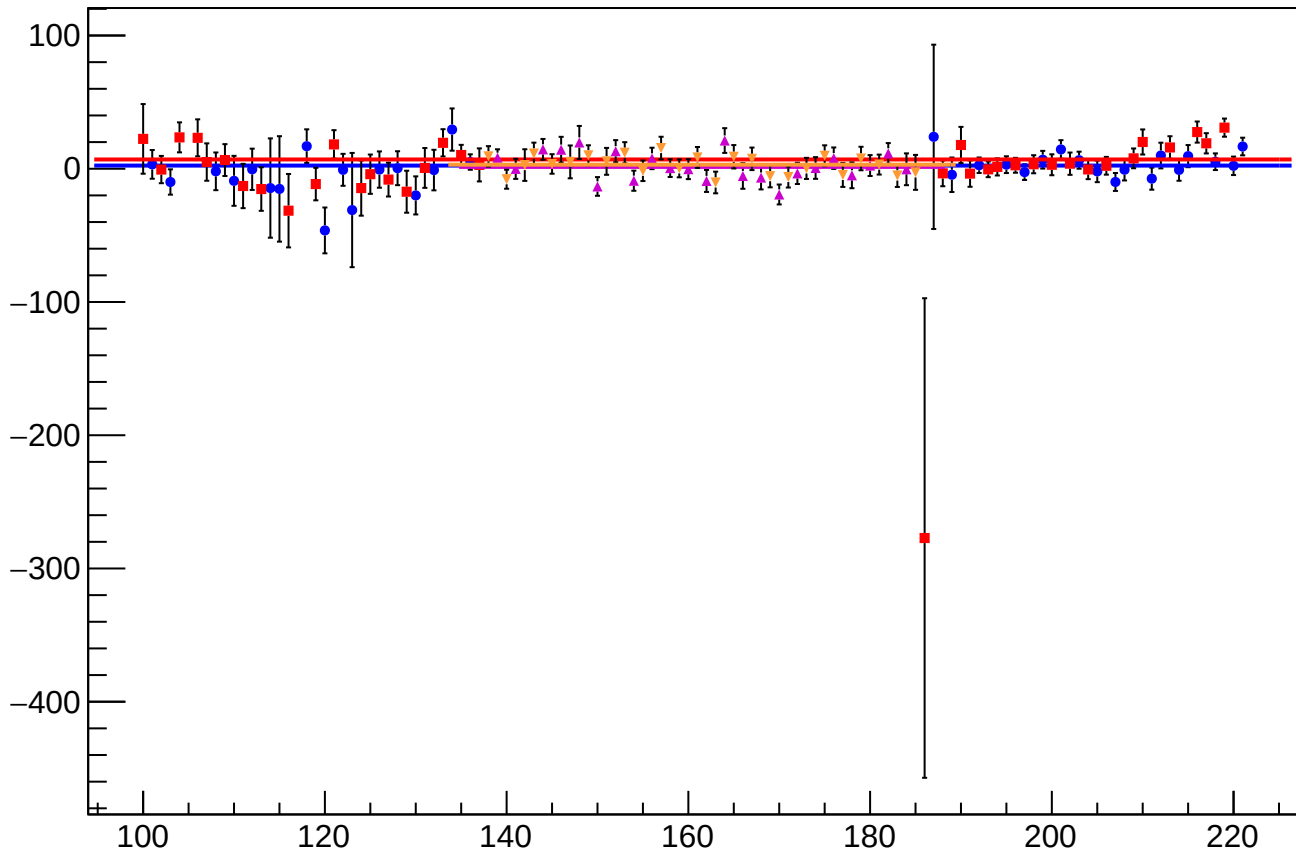
Right Out: 18532.592 ± 3.094 χ^2/NDF : 3069506.2/36

All: 11152.505 ± 0.979 χ^2/NDF : 20476481.3

- sign 11240.186 ± 1.411 χ^2/NDF : 10365057.5/59

Left In: 9325.112 ± 1.585 χ^2/NDF : 280927.7/22

diff_bpm4aY_mean vs Slug



Right In: 2.380 ± 1.508 χ^2/NDF : 34.8/34

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 6.971 ± 1.545 χ^2/NDF : 55.8/36

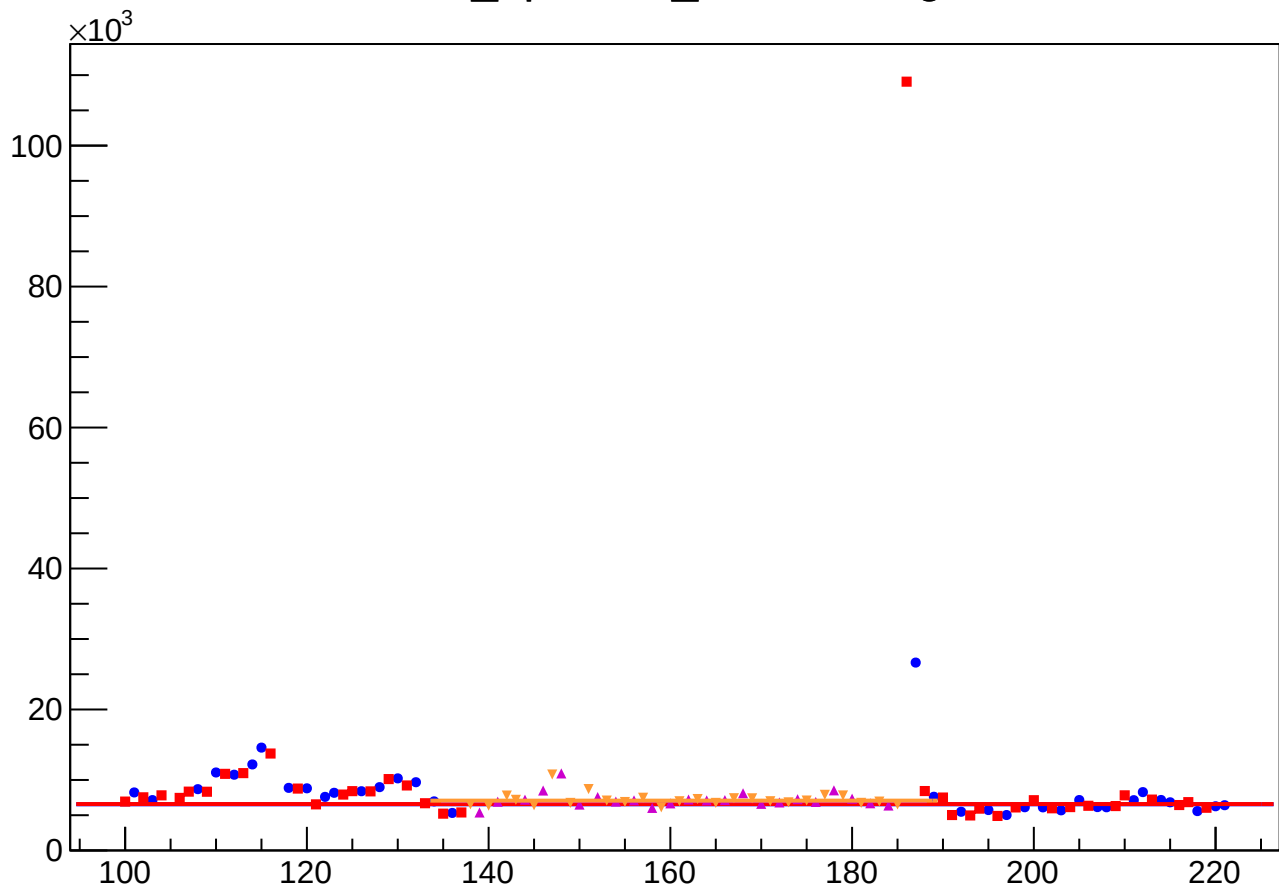
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.689 ± 1.116 χ^2/NDF : 53.2/59

All: 3.543 ± 0.798 χ^2/NDF : 151.5/119

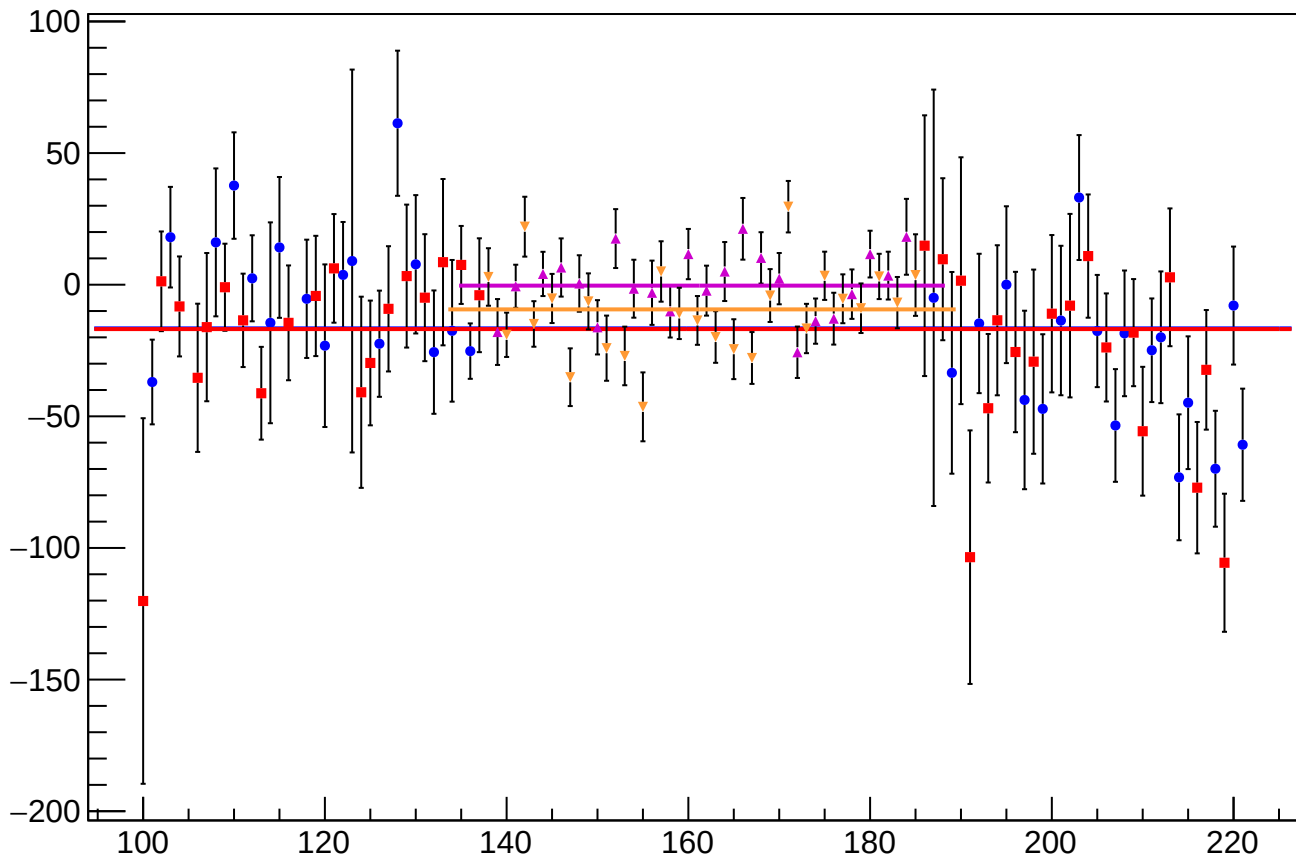
- sign 4.437 ± 1.141 χ^2/NDF : 97.1/59

diff_bpm4aY_rms vs Slug



Right In: 6547.754 ± 1.067 $\chi^2/\text{NDF}: 1665025.8/34$ + sign 6782.700 ± 0.789 $\chi^2/\text{NDF}: 2159667.0/59$
 Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$ All: 6777.670 ± 0.564 $\chi^2/\text{NDF}: 4942505.7/11$
 Right Out: 6582.397 ± 1.093 $\chi^2/\text{NDF}: 2166182.4/36$ - sign 6772.408 ± 0.807 $\chi^2/\text{NDF}: 2782755.6/59$
 Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

diff_bpm4eX_mean vs Slug



Right In: -16.593 ± 3.843 χ^2/NDF : 54.4/34

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -16.860 ± 3.978 χ^2/NDF : 41.9/36

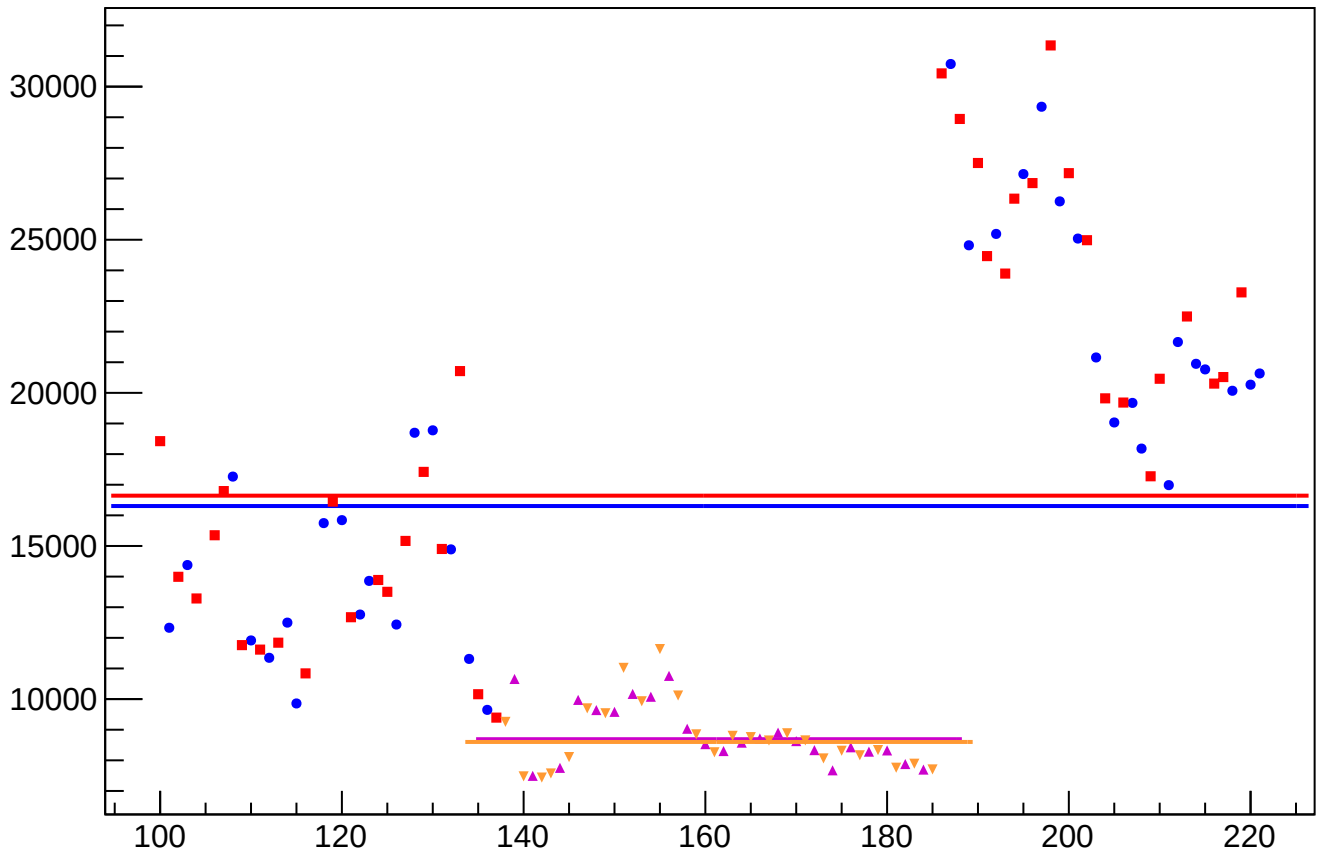
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -10.936 ± 1.786 χ^2/NDF : 115.6/59

All: -7.559 ± 1.286 χ^2/NDF : 208.0/119

- sign -3.931 ± 1.852 χ^2/NDF : 85.0/59

diff_bpm4eX_rms vs Slug



Right In: 16304.258 $\pm$ 2.717 χ^2 /NDF: 3608435.4/34

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

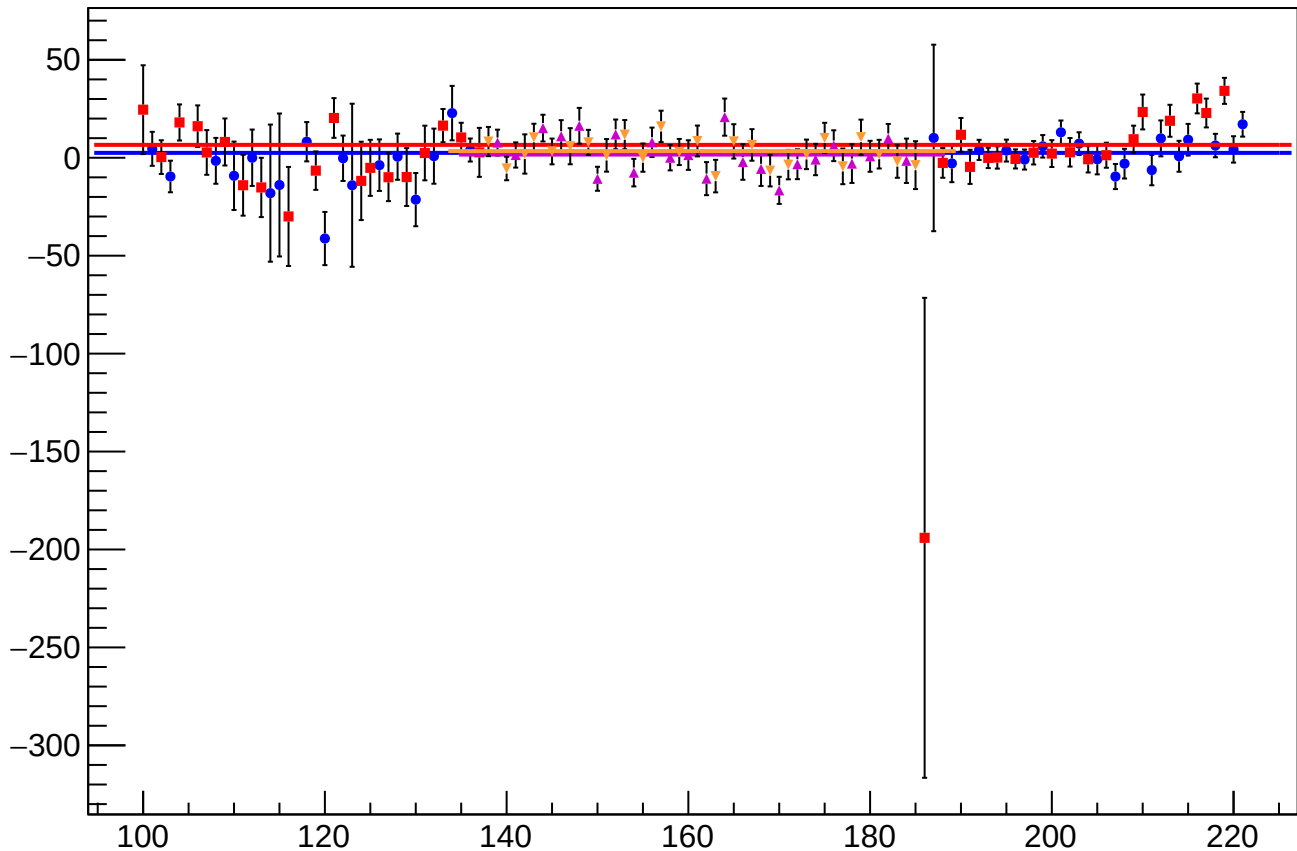
Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF: 370834.1/22

+ sign 10265.194 $\pm$ 1.263 χ^2 /NDF: 10346731.3/59

All: 10336.815 $\pm$ 0.909 χ^2 /NDF: 20900535.5

- sign 10413.758 $\pm$ 1.309 χ^2 /NDF: 10547136.3/59

diff_bpm4eY_mean vs Slug



Right In: 2.495 ± 1.378 χ^2/NDF : 37.6/34

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 6.581 ± 1.389 χ^2/NDF : 71.7/36

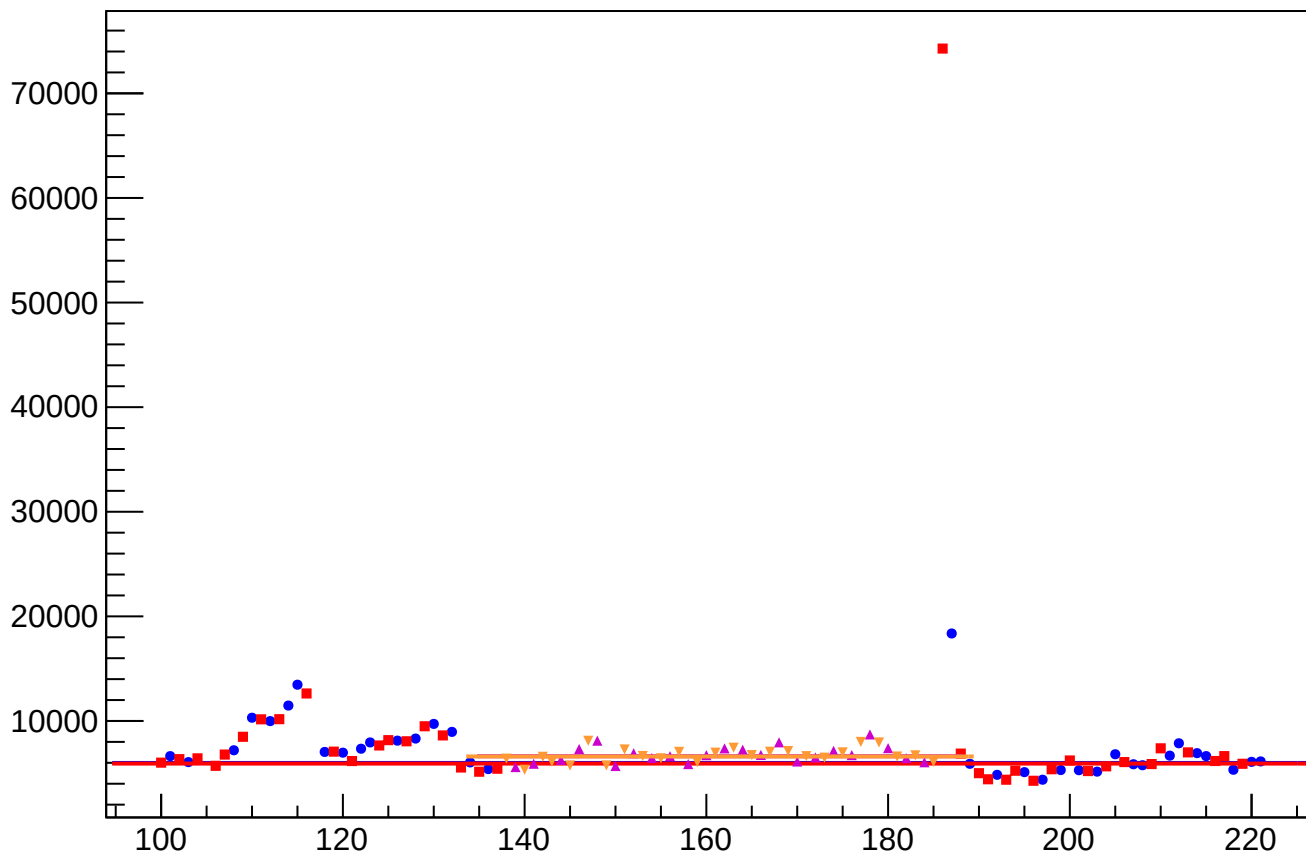
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.897 ± 1.030 χ^2/NDF : 54.6/59

All: 3.660 ± 0.735 χ^2/NDF : 166.4/119

- sign 4.451 ± 1.049 χ^2/NDF : 110.6/59

diff_bpm4eY_rms vs Slug



Right In: 5985.571 ± 0.974 $\chi^2/\text{NDF}: 1665134.6/34$

Left Out: 6607.100 ± 1.096 $\chi^2/\text{NDF}: 398416.1/24$

Right Out: 5926.595 ± 0.982 $\chi^2/\text{NDF}: 2254524.7/36$

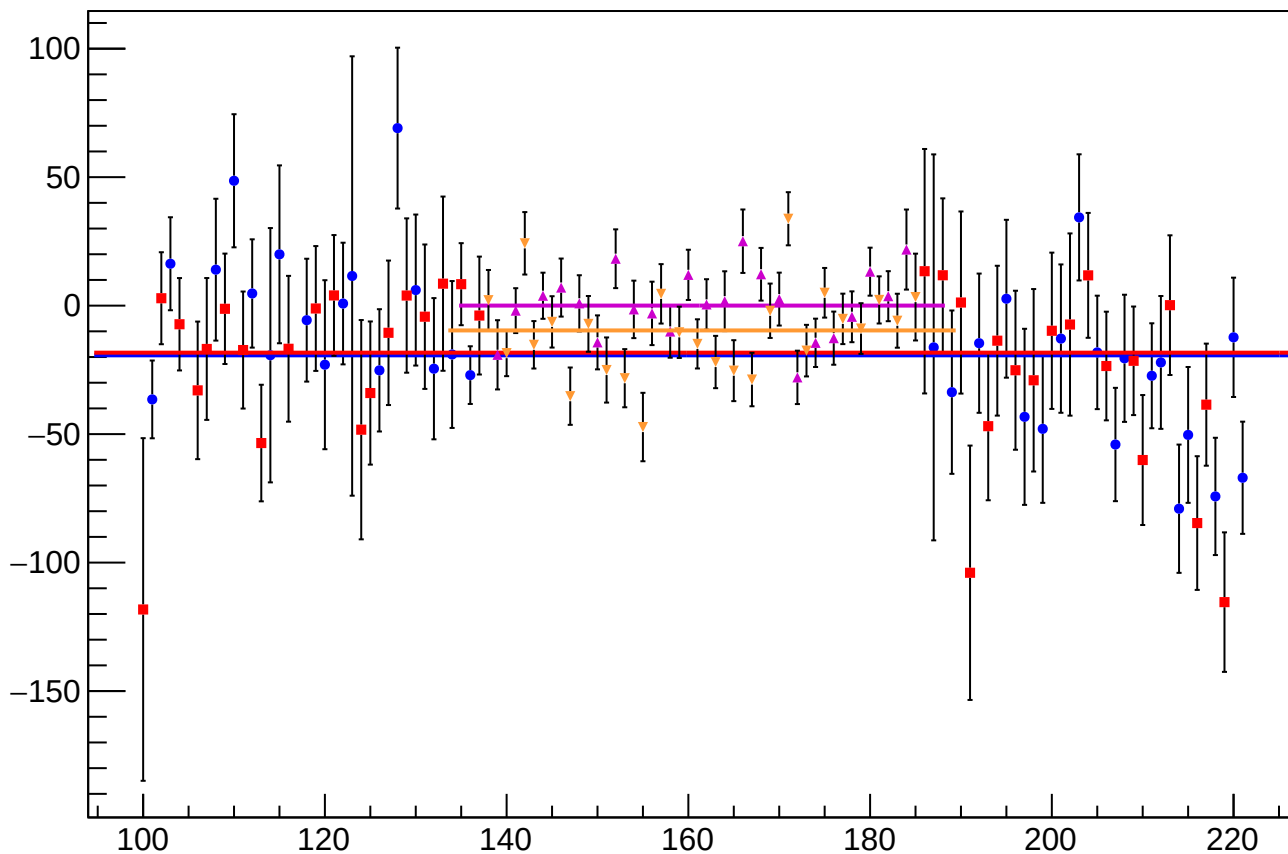
Left In: 6628.653 ± 1.131 $\chi^2/\text{NDF}: 430282.2/22$

+ sign 6259.807 ± 0.728 $\chi^2/\text{NDF}: 2243138.2/59$

All: 6244.409 ± 0.520 $\chi^2/\text{NDF}: 5148607.3/11$

- sign 6228.447 ± 0.741 $\chi^2/\text{NDF}: 2904558.5/59$

diff_bpm4acX_mean vs Slug



Right In: -19.339 ± 4.090 χ^2/NDF : 54.0/34

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -18.302 ± 4.277 χ^2/NDF : 45.2/36

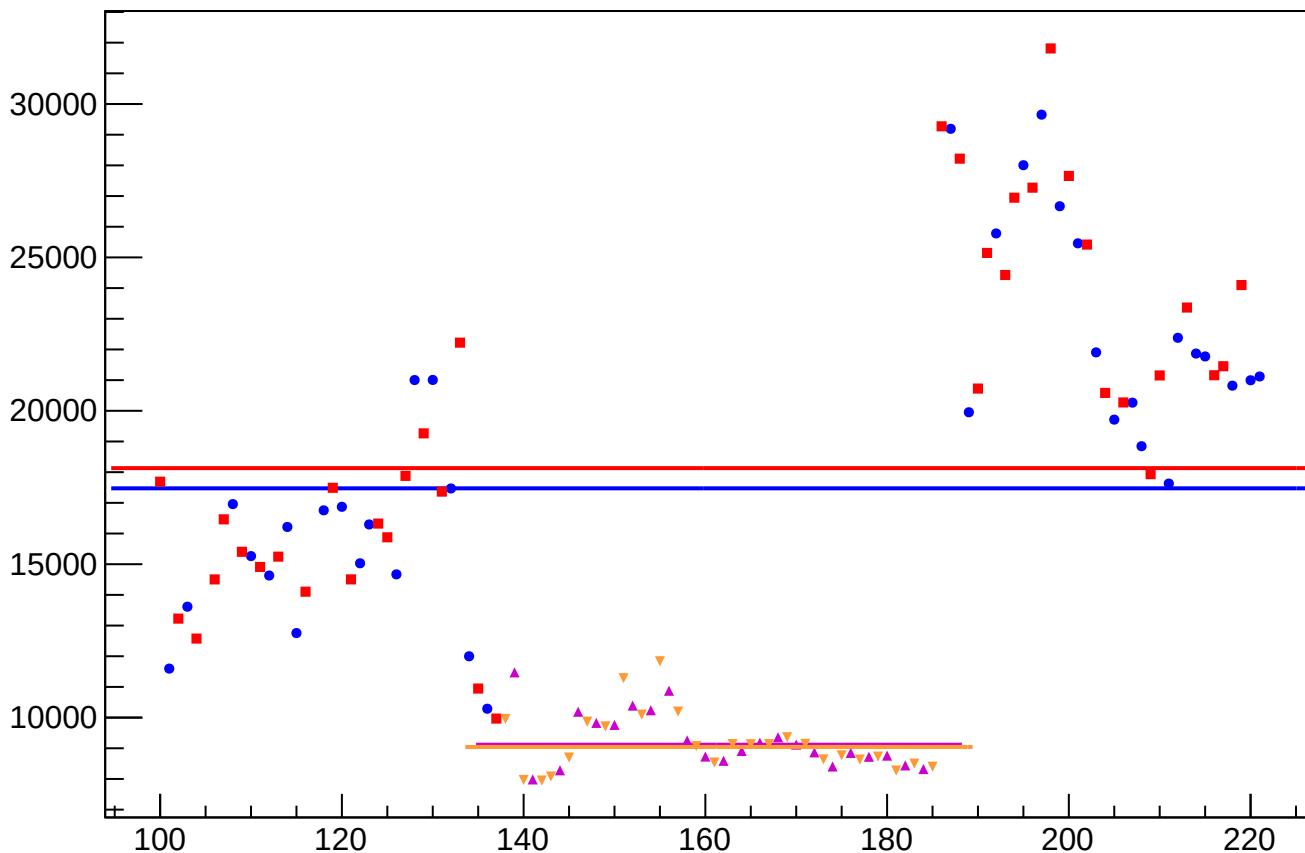
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -11.699 ± 1.881 χ^2/NDF : 118.3/59

All: -7.889 ± 1.354 χ^2/NDF : 217.1/119

- sign -3.791 ± 1.951 χ^2/NDF : 90.3/59

diff_bpm4acX_rms vs Slug



Right In: 17472.735 $\pm$ 2.892 χ^2 /NDF: 3030589.6/34

Left Out: 9043.485 $\pm$ 1.498 χ^2 /NDF:328192.2/24

+ sign 10826.502 $\pm$ 1.330 χ^2 /NDF: 10058065.8/59

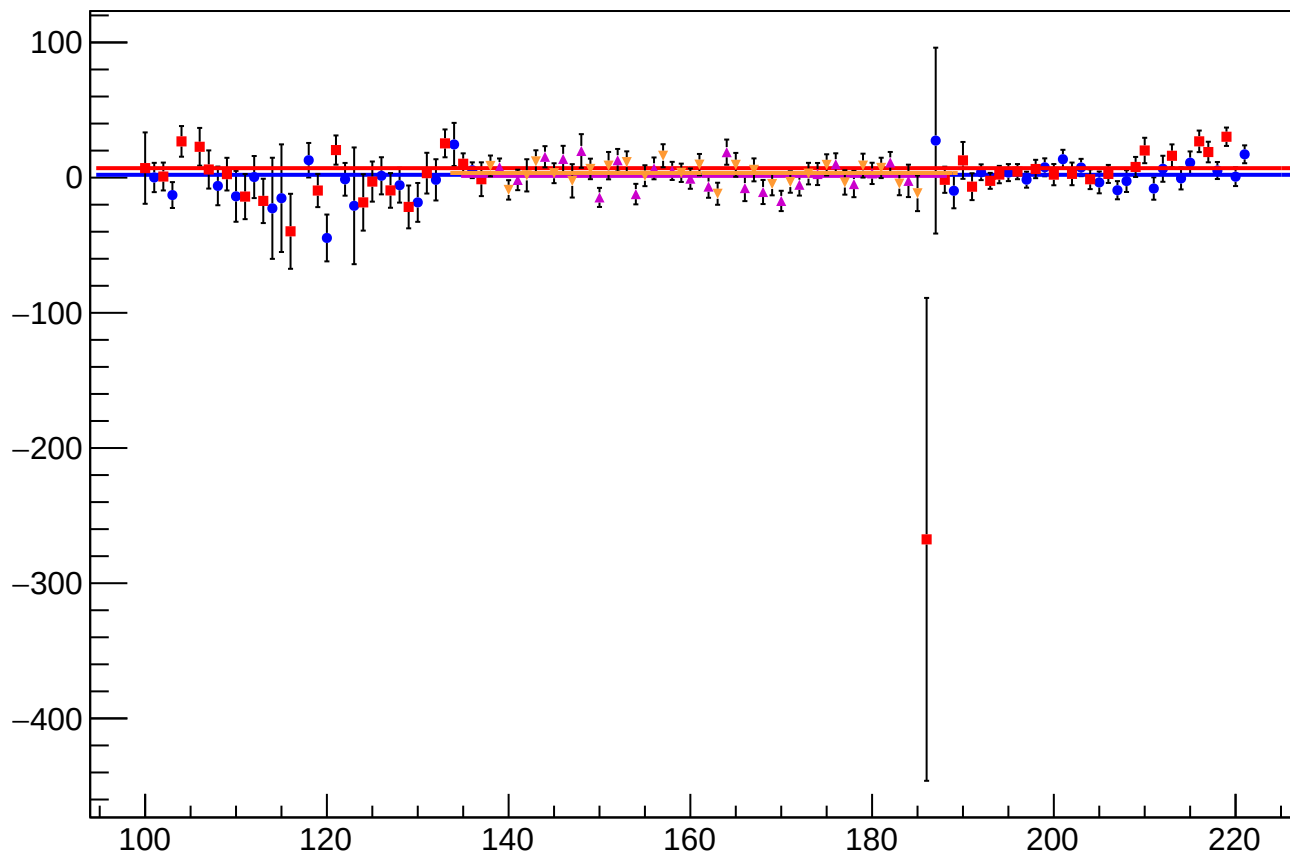
Right Out: 18131.521 $\pm$ 3.025 χ^2 /NDF: 3012606.7/36

All: 10906.217 $\pm$ 0.957 χ^2 /NDF: 20391440.4

Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

- sign 10991.963 $\pm$ 1.379 χ^2 /NDF: 10325918.2/59

diff_bpm4acY_mean vs Slug



Right In: 2.092 ± 1.513 χ^2/NDF : 35.2/34

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 7.012 ± 1.551 χ^2/NDF : 59.8/36

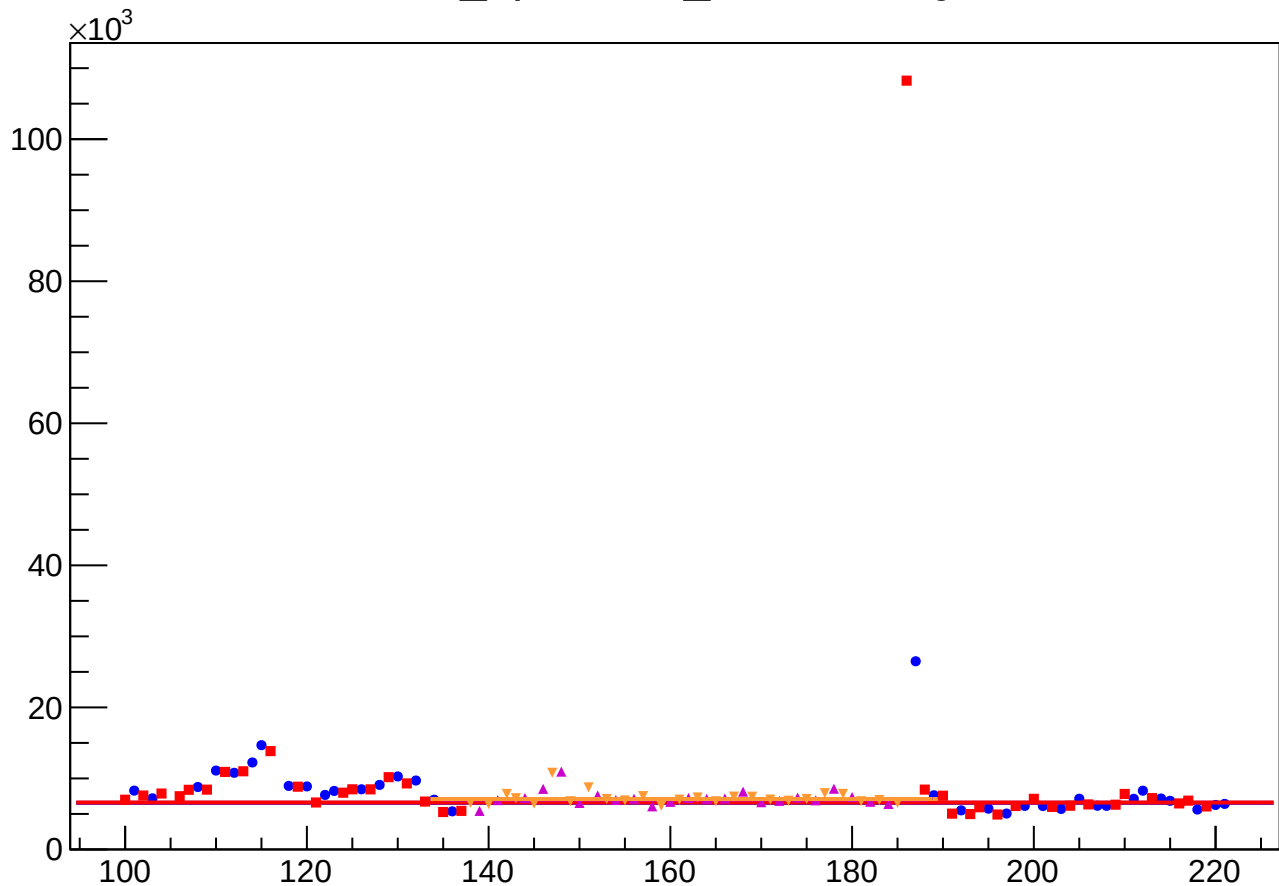
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.701 ± 1.120 χ^2/NDF : 54.4/59

All: 3.539 ± 0.801 χ^2/NDF : 158.1/119

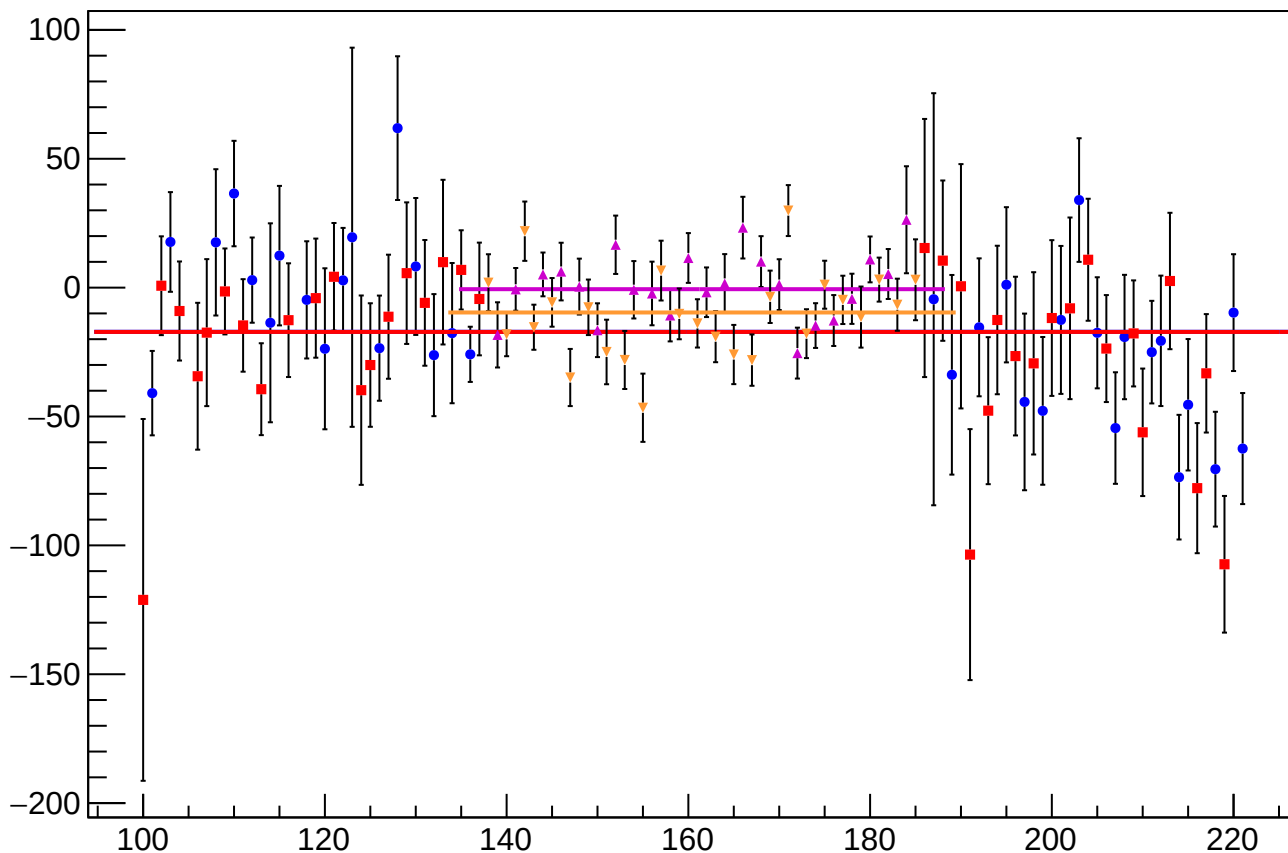
- sign 4.415 ± 1.146 χ^2/NDF : 102.5/59

diff_bpm4acY_rms vs Slug



Right In: 6566.597 $\pm$ 1.070	χ^2/NDF : 1669931.2/34	+ sign 6807.038 $\pm$ 0.792	χ^2/NDF : 2164314.8/59
Left Out: 7098.726 $\pm$ 1.178	χ^2/NDF : 382550.4/24	All: 6803.525 $\pm$ 0.566	χ^2/NDF : 4945345.7/11
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: -17.127 ± 3.891 χ^2/NDF : 54.8/34

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -17.184 ± 4.029 χ^2/NDF : 41.0/36

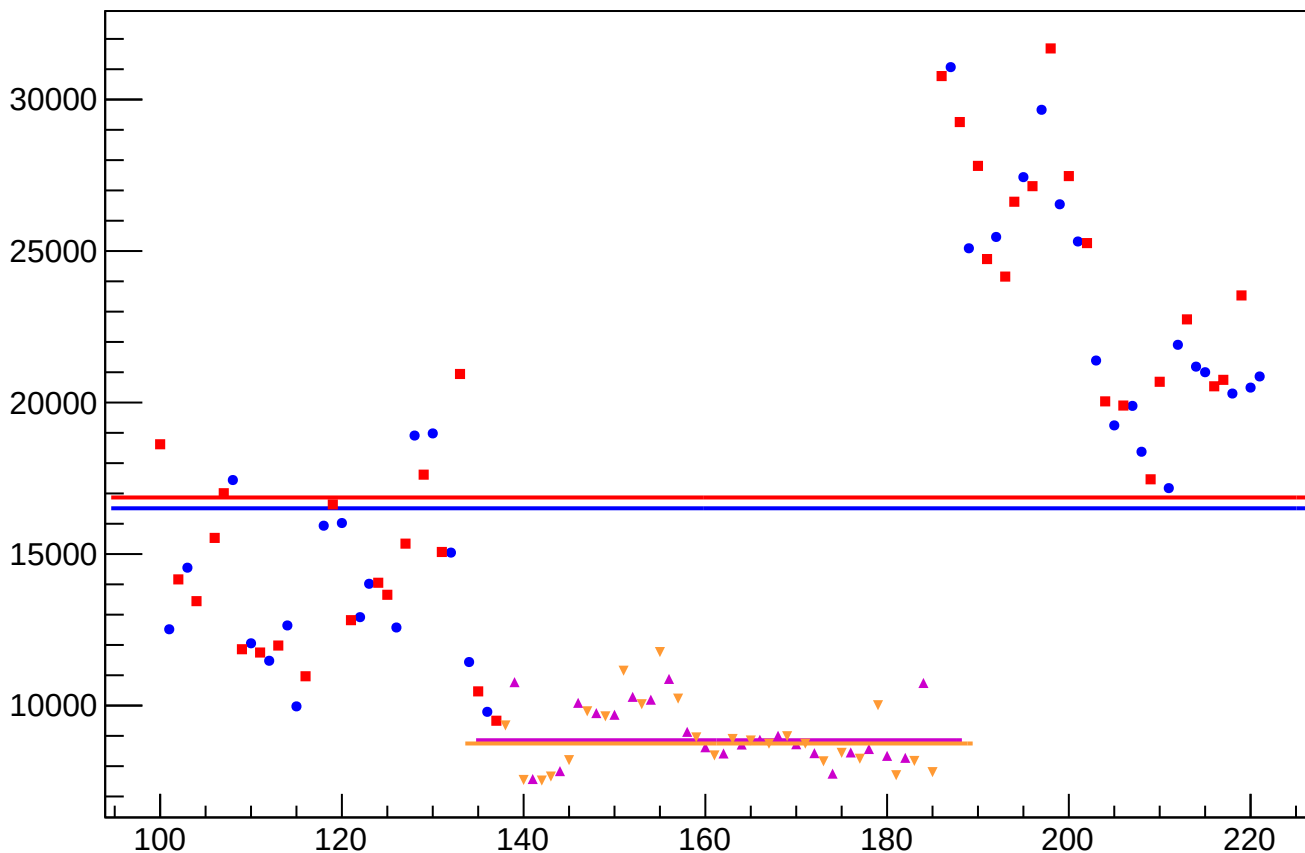
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -11.276 ± 1.819 χ^2/NDF : 115.4/59

All: -7.884 ± 1.309 χ^2/NDF : 206.4/119

- sign -4.235 ± 1.887 χ^2/NDF : 83.8/59

diff_bpm4ecX_rms vs Slug



Right In: 16510.279+/-2.751 χ^2/NDF : 3582095.9/34

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

+ sign 10444.231+/-1.286 χ^2/NDF : 10265599.3/59

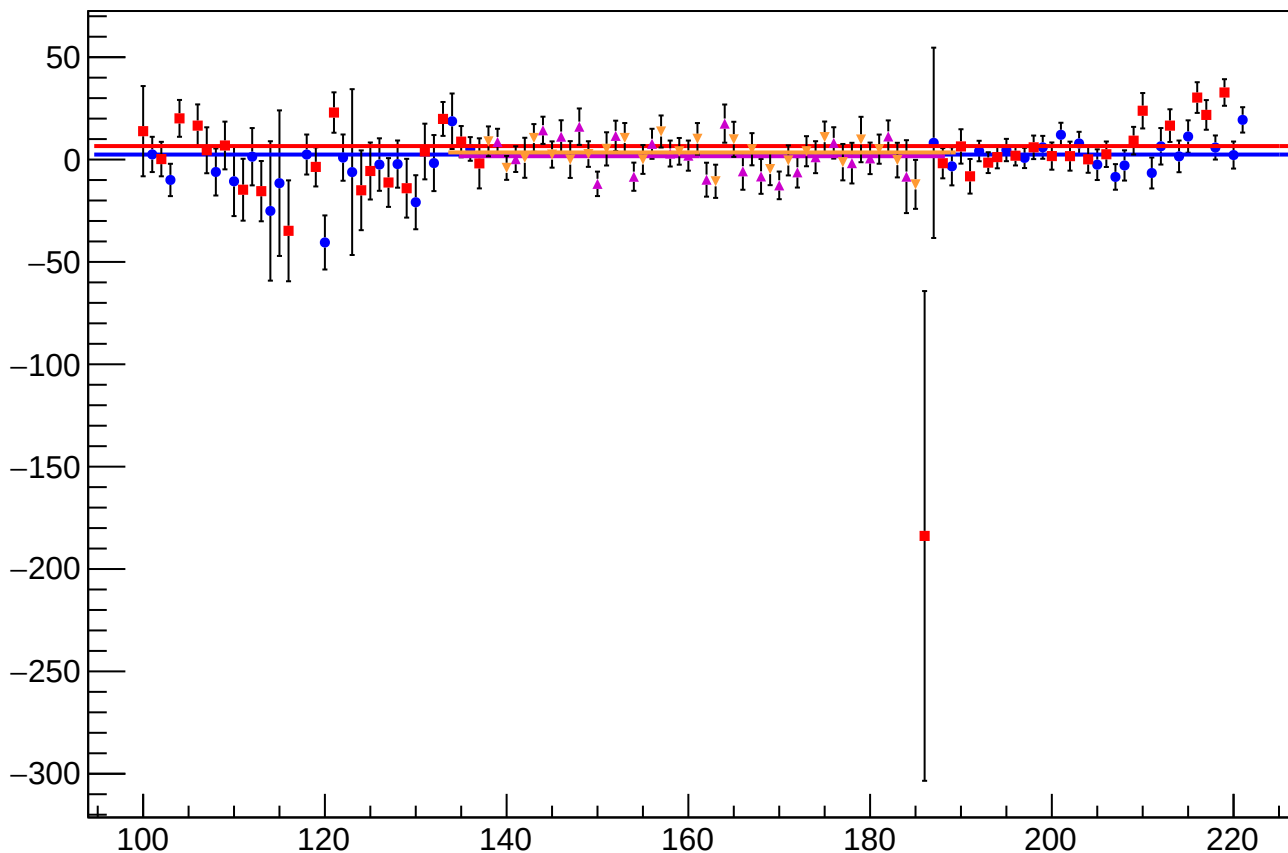
Right Out: 16867.211+/-2.849 χ^2/NDF : 3871617.8/36

All: 10524.947+/-0.926 χ^2/NDF : 20686239.9

Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

- sign 10611.799+/-1.334 χ^2/NDF : 10412462.4/59

diff_bpm4ecY_mean vs Slug



Right In: 2.441 ± 1.345 χ^2/NDF : 39.7/34

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 6.587 ± 1.355 χ^2/NDF : 74.4/36

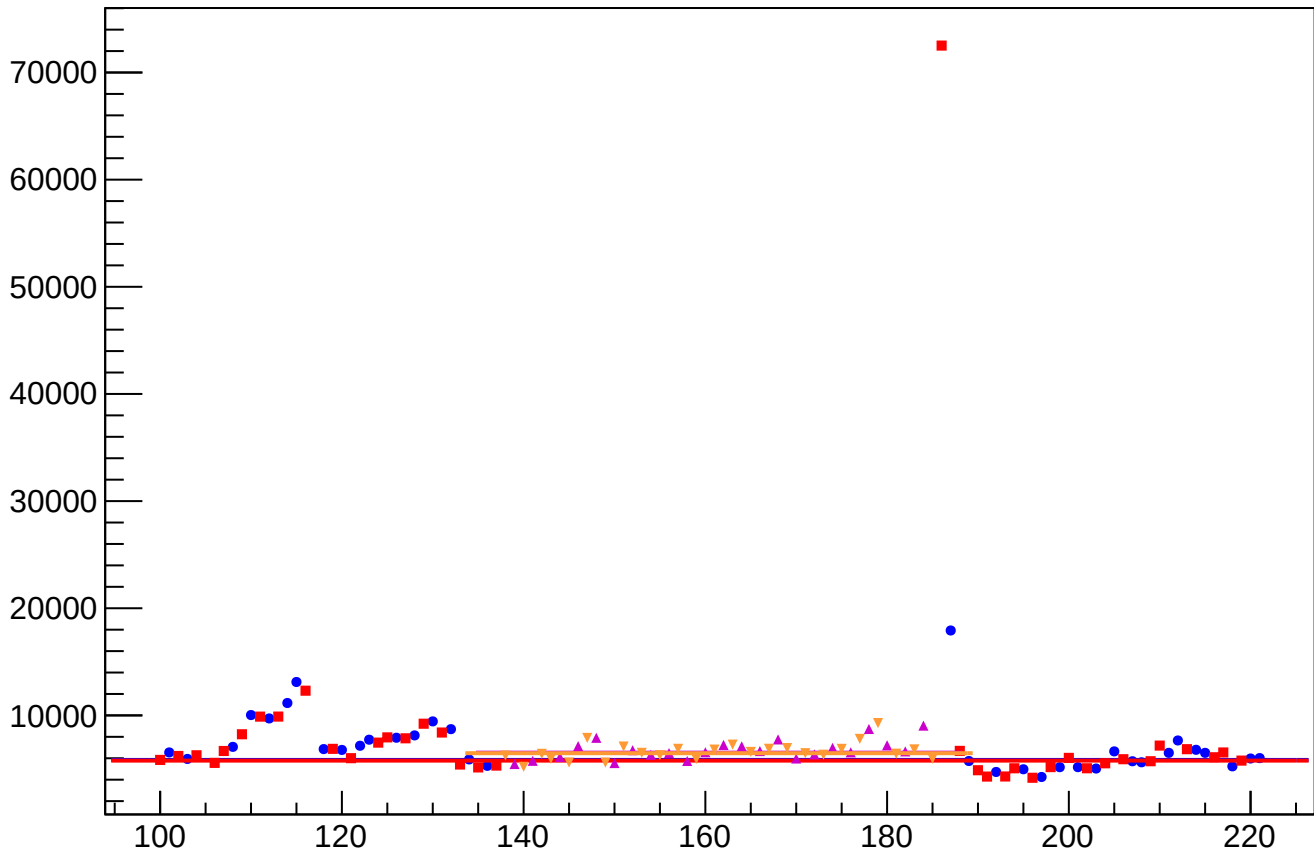
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.893 ± 1.009 χ^2/NDF : 55.7/59

All: 3.675 ± 0.720 χ^2/NDF : 170.7/119

- sign 4.486 ± 1.028 χ^2/NDF : 113.8/59

diff_bpm4ecY_rms vs Slug



Right In: 5842.838 ± 0.951 $\chi^2/\text{NDF}: 1671545.9/34$

Left Out: 6471.976 ± 1.078 $\chi^2/\text{NDF}: 490282.9/24$

Right Out: 5781.141 ± 0.958 $\chi^2/\text{NDF}: 2250808.4/36$

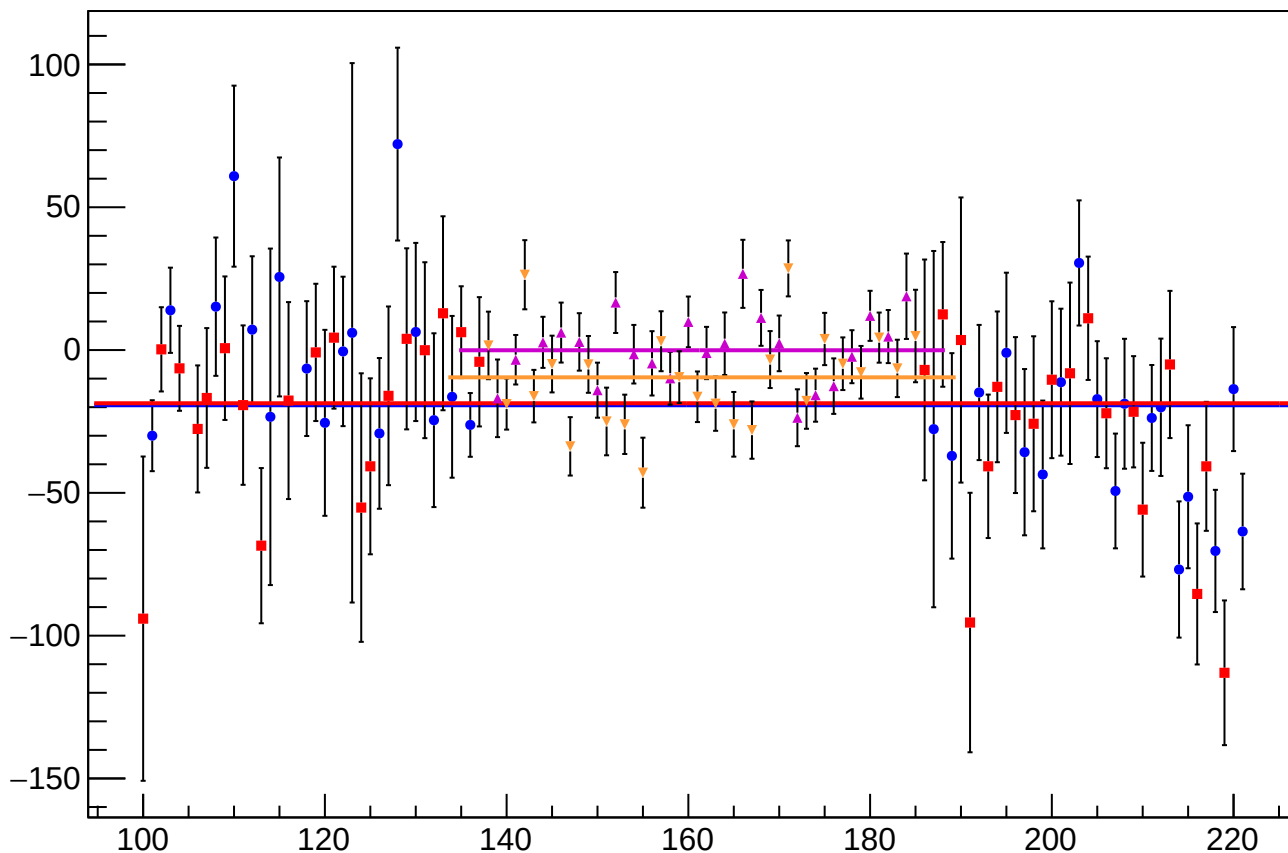
Left In: 6521.975 ± 1.116 $\chi^2/\text{NDF}: 480034.7/22$

+ sign 6118.333 ± 0.713 $\chi^2/\text{NDF}: 2353343.0/59$

All: 6107.193 ± 0.509 $\chi^2/\text{NDF}: 5338414.0/11$

- sign 6095.622 ± 0.727 $\chi^2/\text{NDF}: 2984573.7/59$

diff_bpm1X_mean vs Slug



Right In: -19.324 ± 3.893 χ^2/NDF : 53.3/34

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -18.628 ± 4.095 χ^2/NDF : 47.9/36

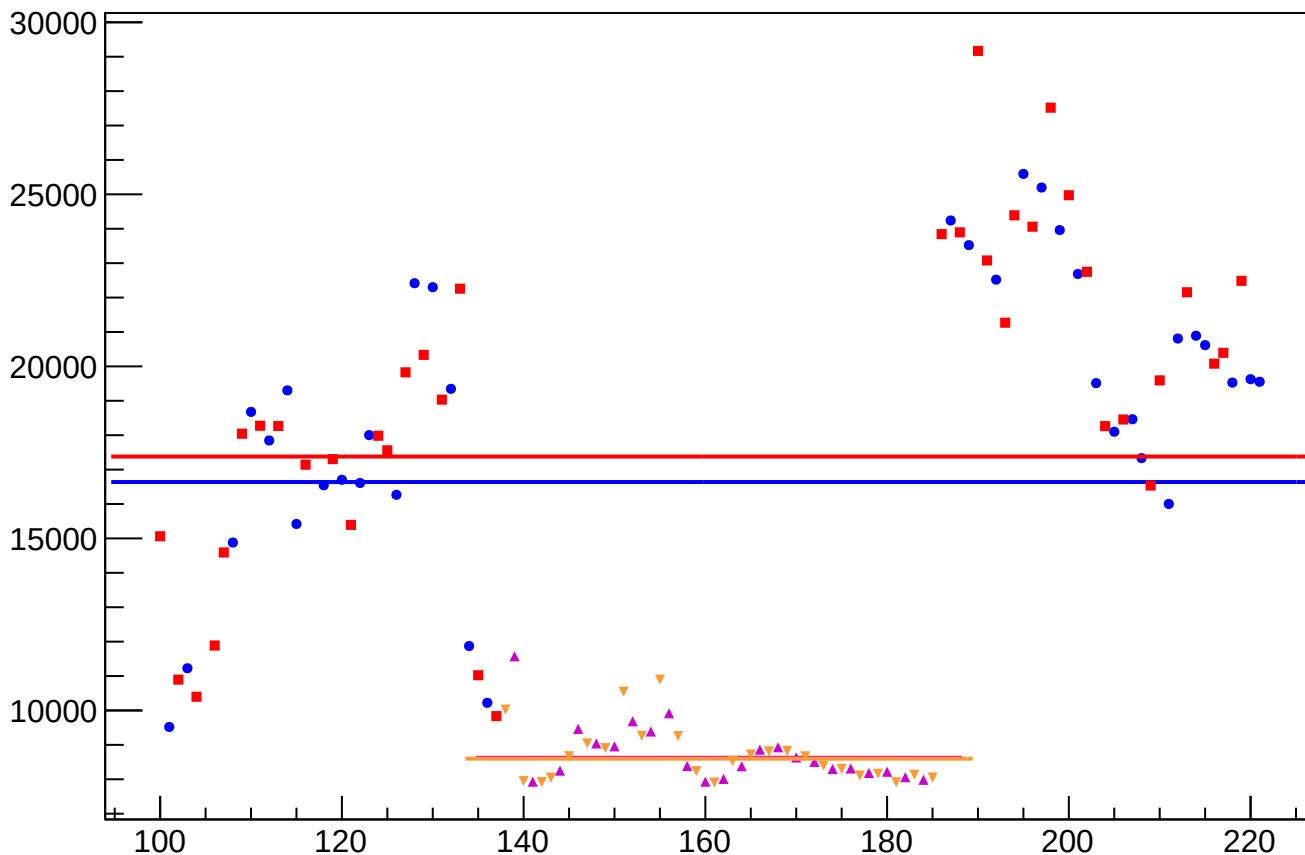
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -11.614 ± 1.787 χ^2/NDF : 117.8/59

All: -7.867 ± 1.285 χ^2/NDF : 221.0/119

- sign -3.856 ± 1.849 χ^2/NDF : 94.1/59

diff_bpm1X_rms vs Slug



Right In: 16638.793 $\pm$ 2.753 χ^2 /NDF: 3037592.6/34

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

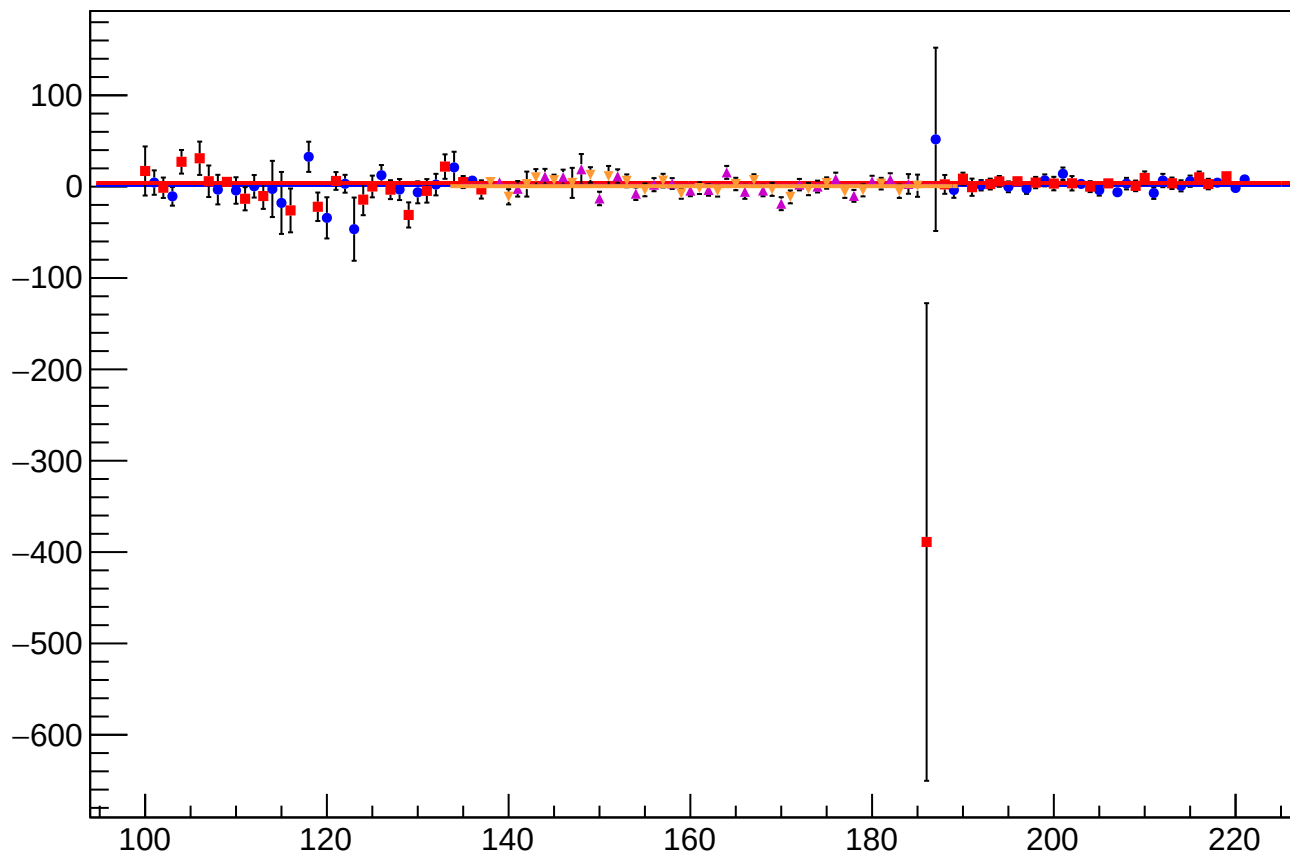
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 10293.688 $\pm$ 1.264 χ^2 /NDF: 10019799.5/59

All: 10350.141 $\pm$ 0.909 χ^2 /NDF: 20456311.0

- sign 10410.588 $\pm$ 1.308 χ^2 /NDF: 10432379.3/59

diff_bpm1Y_mean vs Slug



Right In: 1.877 ± 1.283 $\chi^2/\text{NDF}: 27.3/34$

Left Out: 0.528 ± 1.418 $\chi^2/\text{NDF}: 19.5/24$

Right Out: 4.014 ± 1.292 $\chi^2/\text{NDF}: 32.0/36$

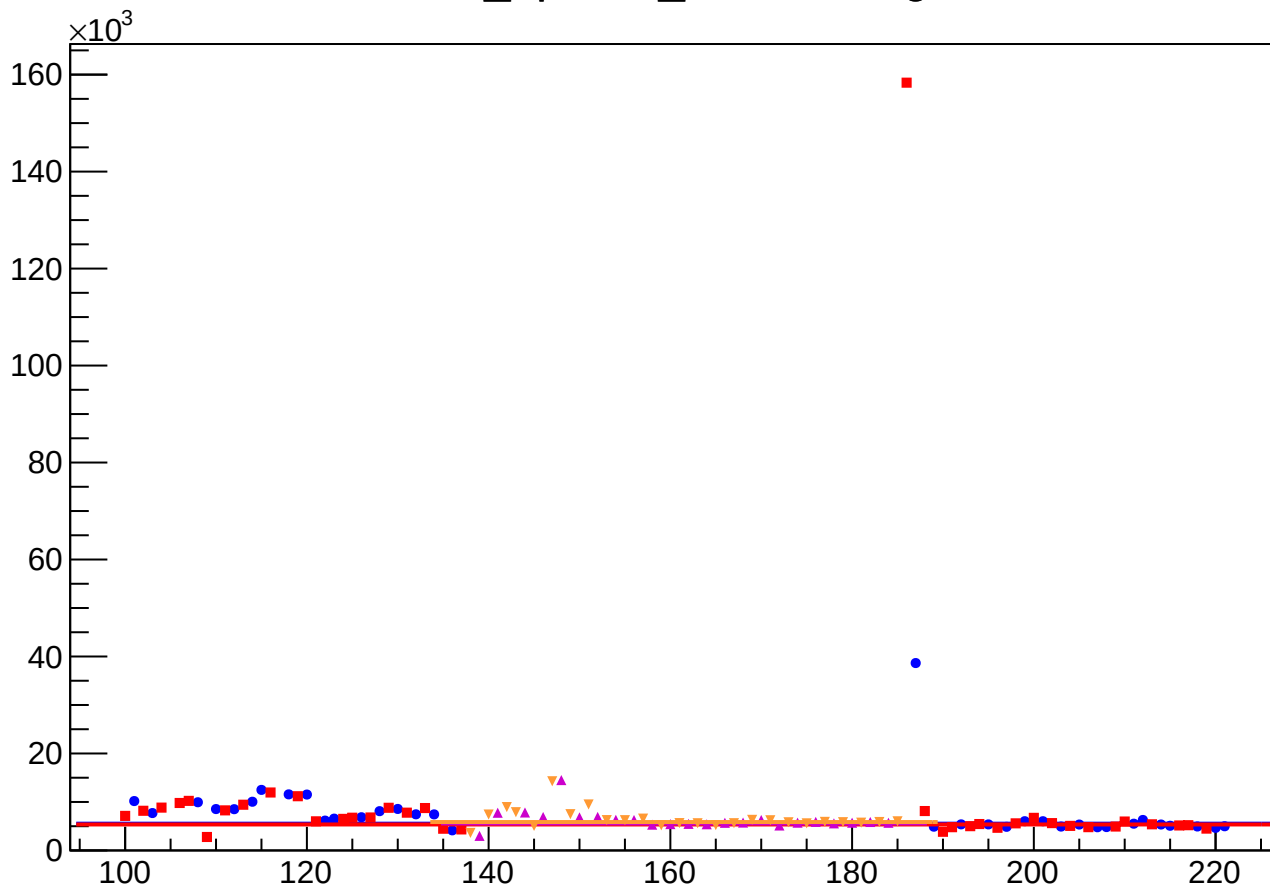
Left In: 1.050 ± 1.396 $\chi^2/\text{NDF}: 32.5/22$

+ sign 1.270 ± 0.951 $\chi^2/\text{NDF}: 47.3/59$

All: 1.960 ± 0.672 $\chi^2/\text{NDF}: 115.3/119$

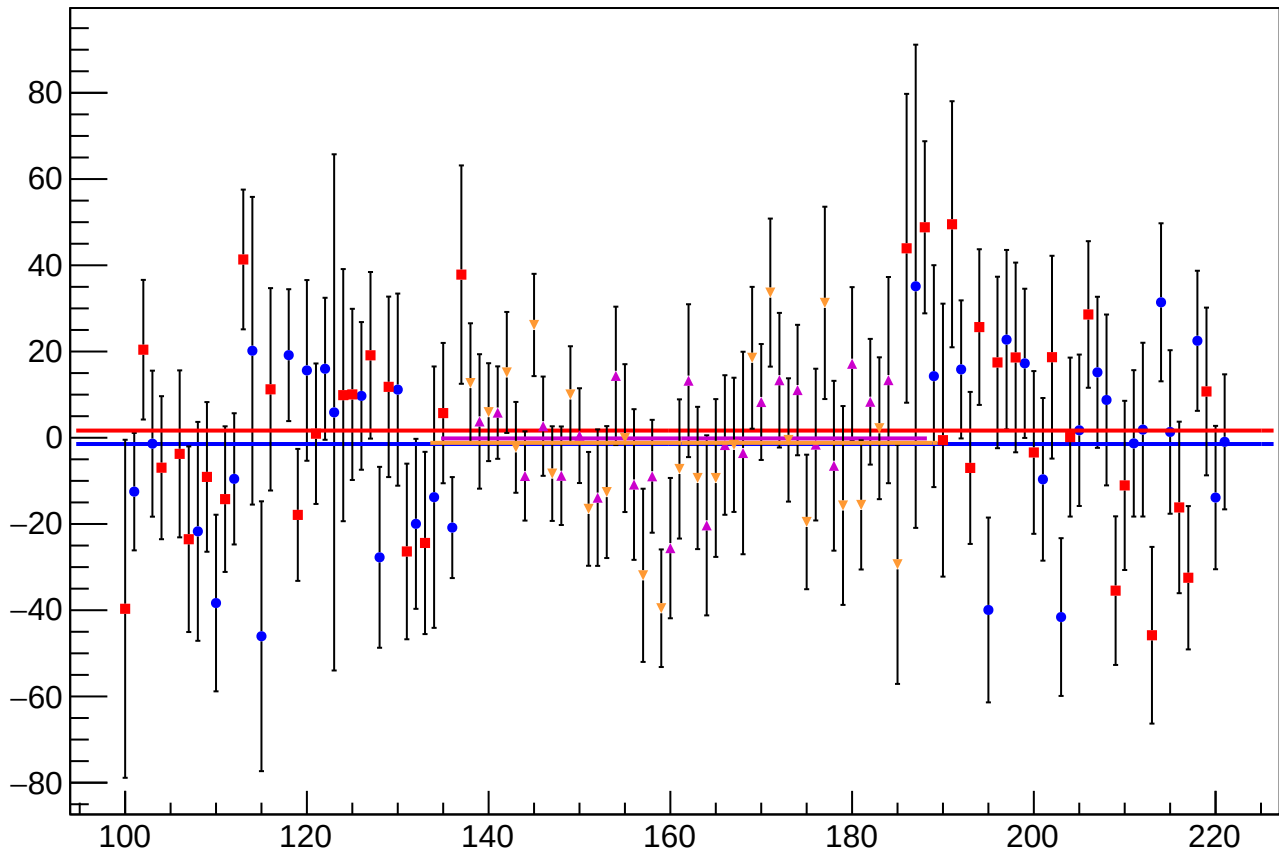
- sign 2.646 ± 0.948 $\chi^2/\text{NDF}: 66.9/59$

diff_bpm1Y_rms vs Slug



Right In: 5524.054 $\pm$ 0.907 χ^2/NDF : 2257198.4/34 + sign 5675.615 $\pm$ 0.673 χ^2/NDF : 4009207.3/59
 Left Out: 5860.605 $\pm$ 1.002 χ^2/NDF : 1690049.2/24 All: 5566.138 $\pm$ 0.475 χ^2/NDF : 9779444.8/11
 Right Out: 5359.746 $\pm$ 0.914 χ^2/NDF : 3529901.3/36 - sign 5457.402 $\pm$ 0.670 χ^2/NDF : 5717444.0/59
 Left In: 5571.330 $\pm$ 0.987 χ^2/NDF : 2162788.3/22

diff_bpm11X_mean vs Slug



Right In: -1.451 ± 3.167 χ^2/NDF : 36.8/34

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 1.667 ± 3.217 χ^2/NDF : 51.9/36

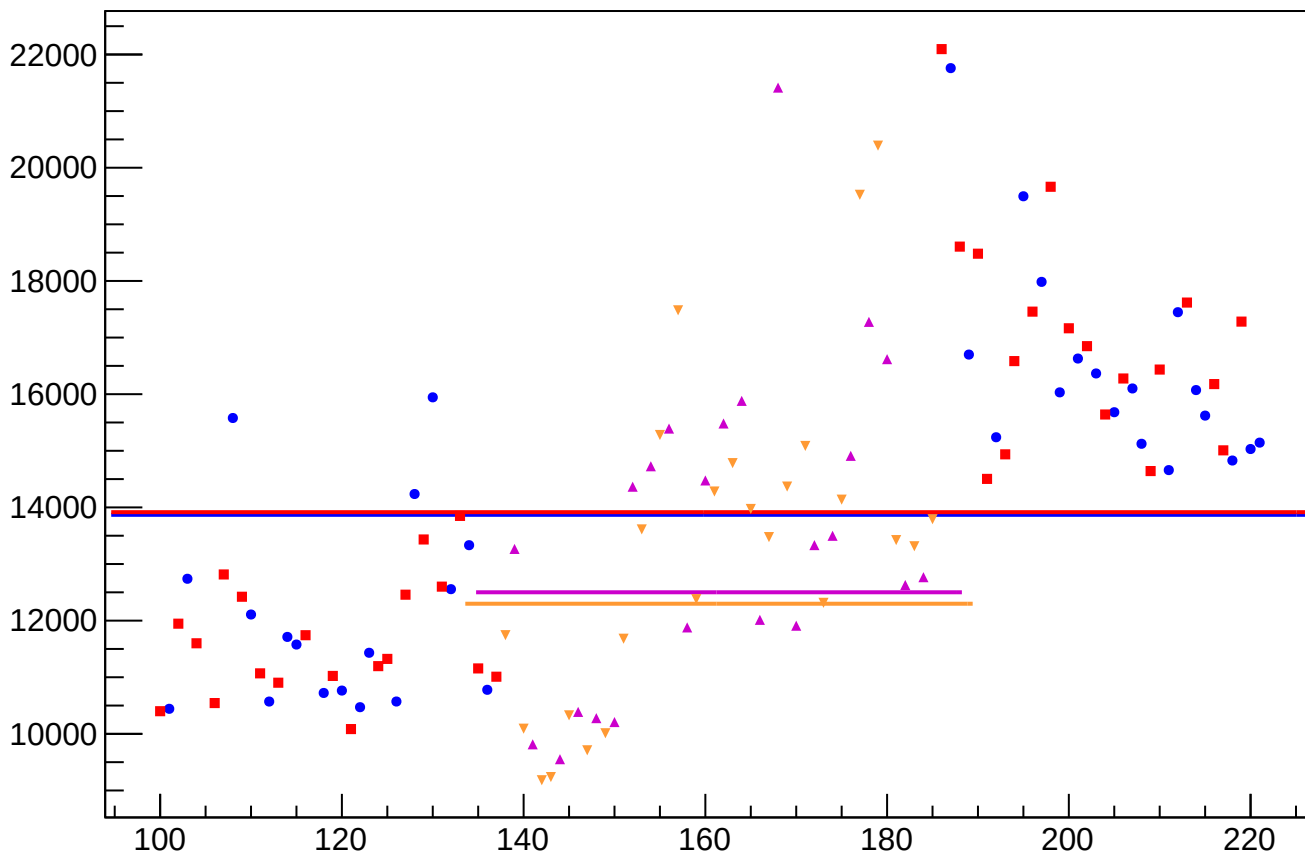
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -1.307 ± 2.154 χ^2/NDF : 70.5/59

All: -0.328 ± 1.545 χ^2/NDF : 134.5/119

- sign 0.709 ± 2.216 χ^2/NDF : 63.5/59

diff_bpm11X_rms vs Slug



Right In: 13869.226+/-2.240 χ^2/NDF : 1340287.2/34

Left Out: 12298.676+/-2.078 χ^2/NDF : 1506026.8/24

Right Out: 13915.941+/-2.275 χ^2/NDF : 1496893.4/36

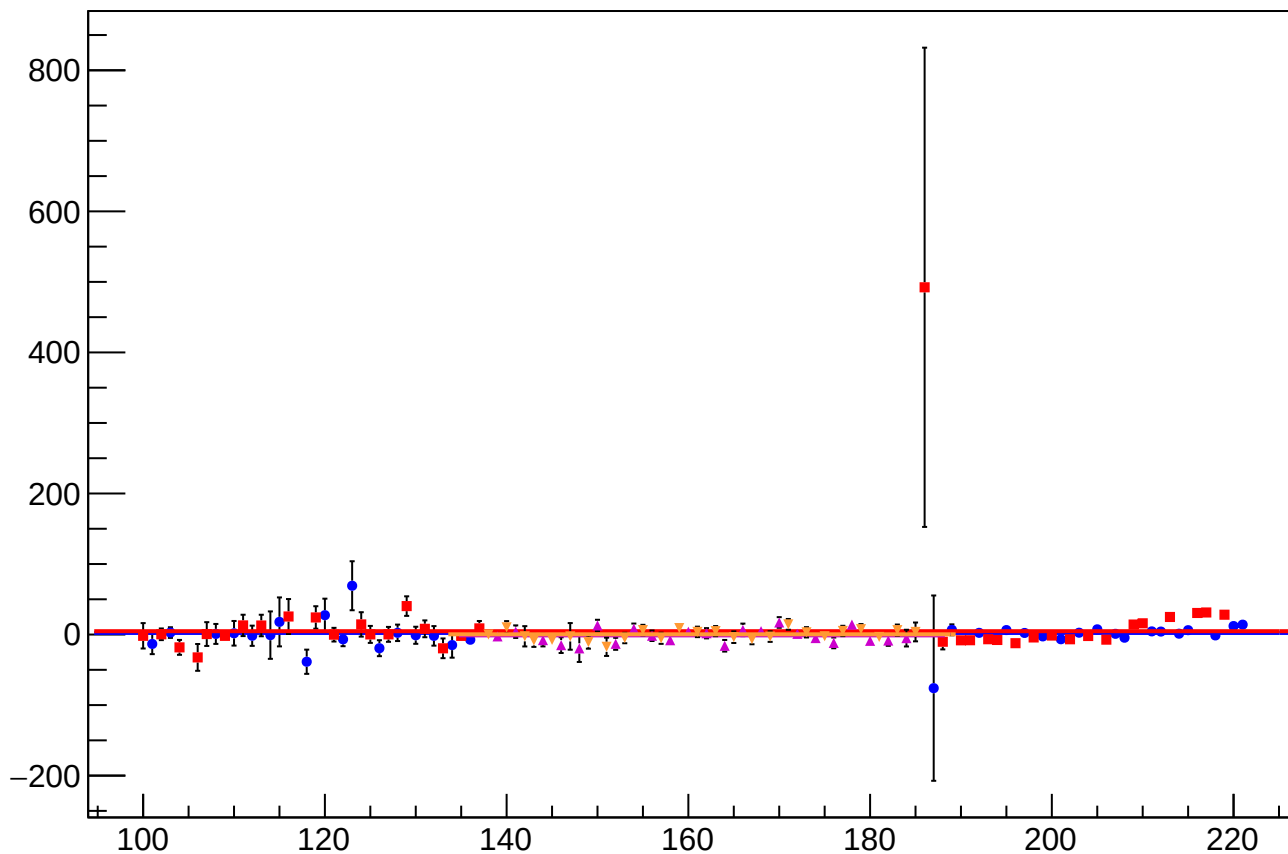
Left In: 12500.795+/-2.162 χ^2/NDF : 1357889.1/22

+ sign 13025.267+/-1.523 χ^2/NDF : 3110565.4/59

All: 13096.798+/-1.092 χ^2/NDF : 6173185.8/100

- sign 13172.514+/-1.567 χ^2/NDF : 3058081.5/59

diff_bpm11Y_mean vs Slug



Right In: 2.288 ± 1.067 χ^2/NDF : 42.9/34

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: 4.768 ± 1.108 χ^2/NDF : 179.7/36

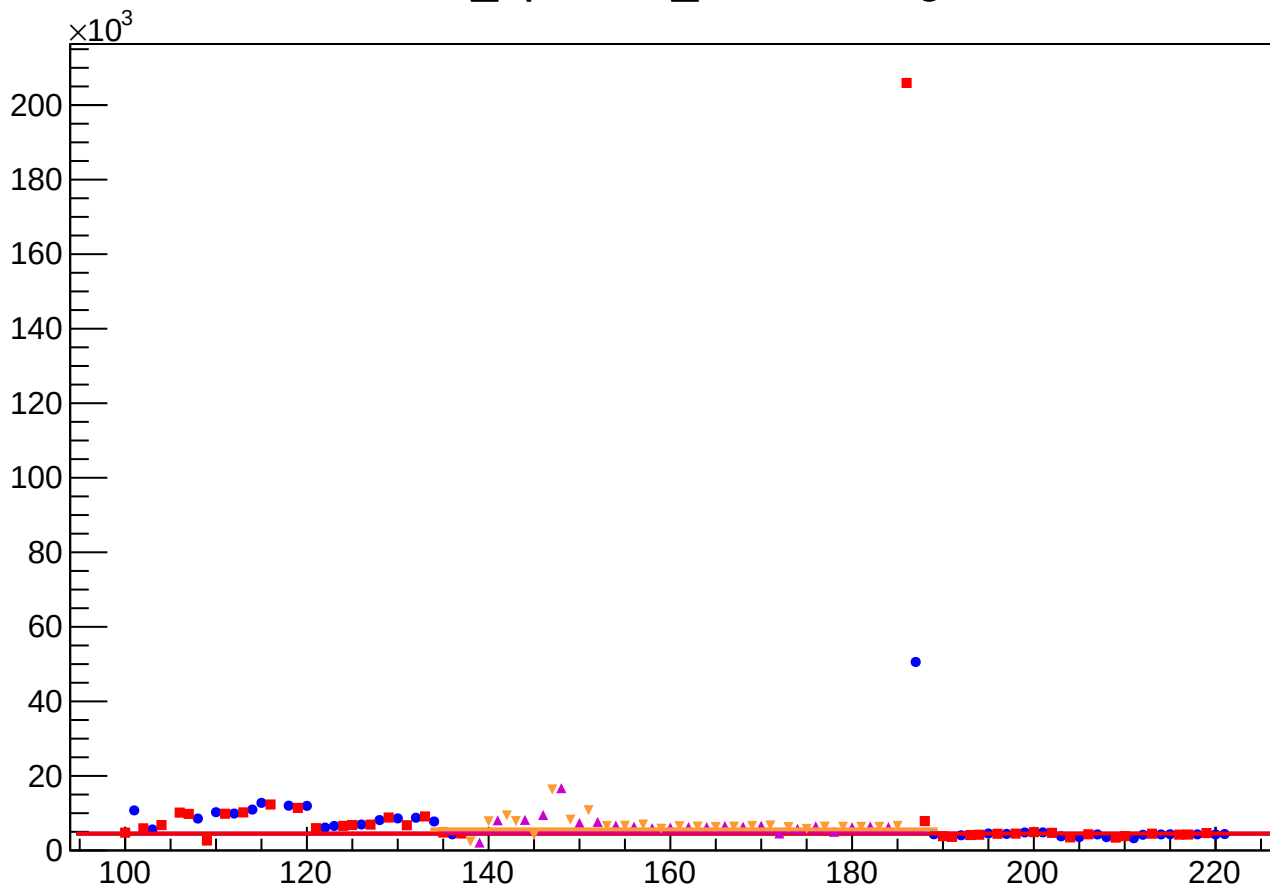
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 1.599 ± 0.856 χ^2/NDF : 63.2/59

All: 2.009 ± 0.607 χ^2/NDF : 288.3/119

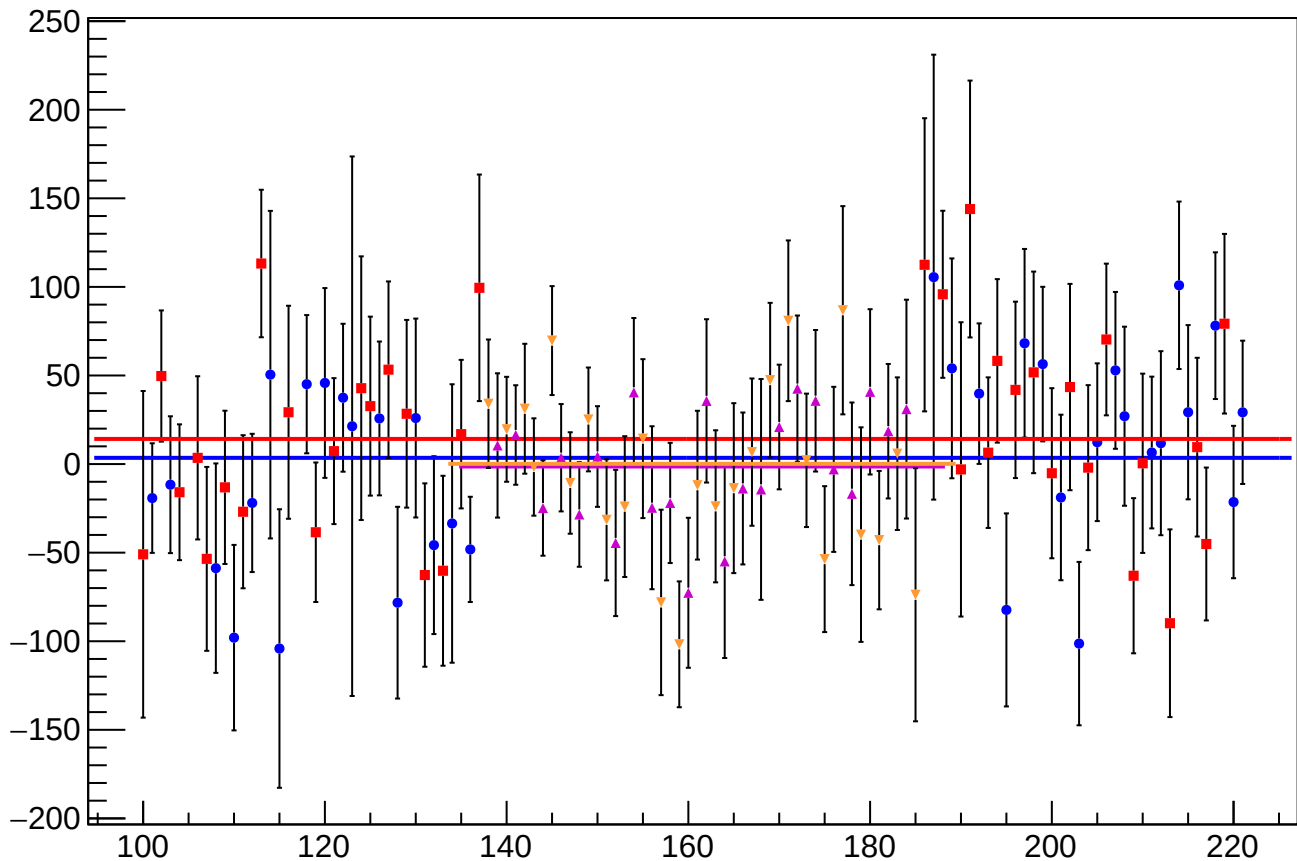
- sign 2.425 ± 0.862 χ^2/NDF : 224.6/59

diff_bpm11Y_rms vs Slug



Right In: 4506.817+/-0.754	χ^2/NDF : 3453828.3/34	+ sign 4917.610+/-0.605	χ^2/NDF : 8414727.6/59
Left Out: 5659.441+/-1.014	χ^2/NDF : 4128583.6/24	All: 4844.745+/-0.429	χ^2/NDF : 18150280.7/1
Right Out: 4531.239+/-0.784	χ^2/NDF : 3974046.1/36	- sign 4770.823+/-0.609	χ^2/NDF : 9706340.8/59
Left In: 5137.772+/-0.970	χ^2/NDF : 5495609.7/22		

diff_bpm12X_mean vs Slug



Right In: 3.520 ± 7.948 $\chi^2/\text{NDF}: 40.5/34$

Left Out: 0.143 ± 7.683 $\chi^2/\text{NDF}: 31.3/24$

Right Out: 14.193 ± 8.062 $\chi^2/\text{NDF}: 41.7/36$

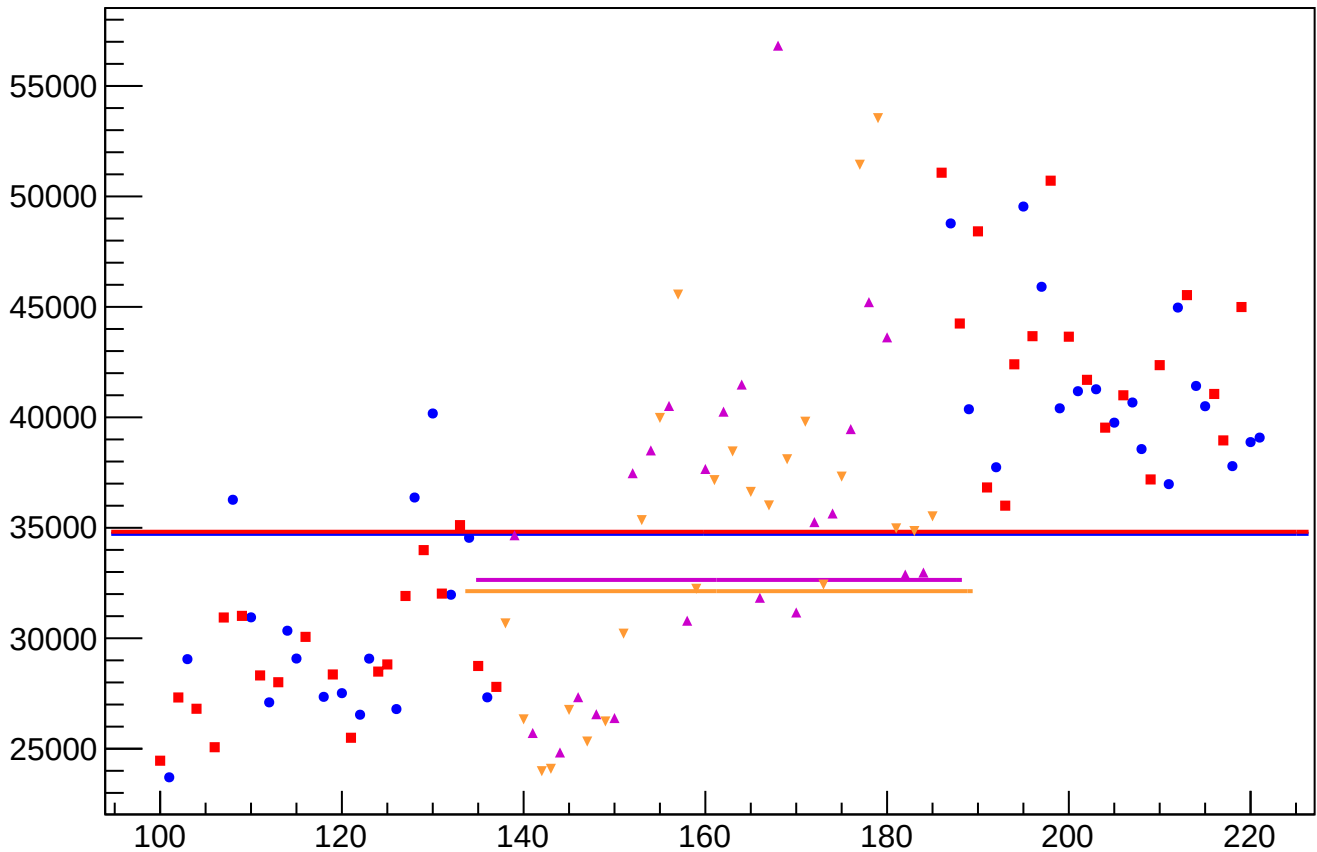
Left In: -1.374 ± 7.990 $\chi^2/\text{NDF}: 13.3/22$

+ sign 1.774 ± 5.524 $\chi^2/\text{NDF}: 71.9/59$

All: 3.996 ± 3.958 $\chi^2/\text{NDF}: 129.1/119$

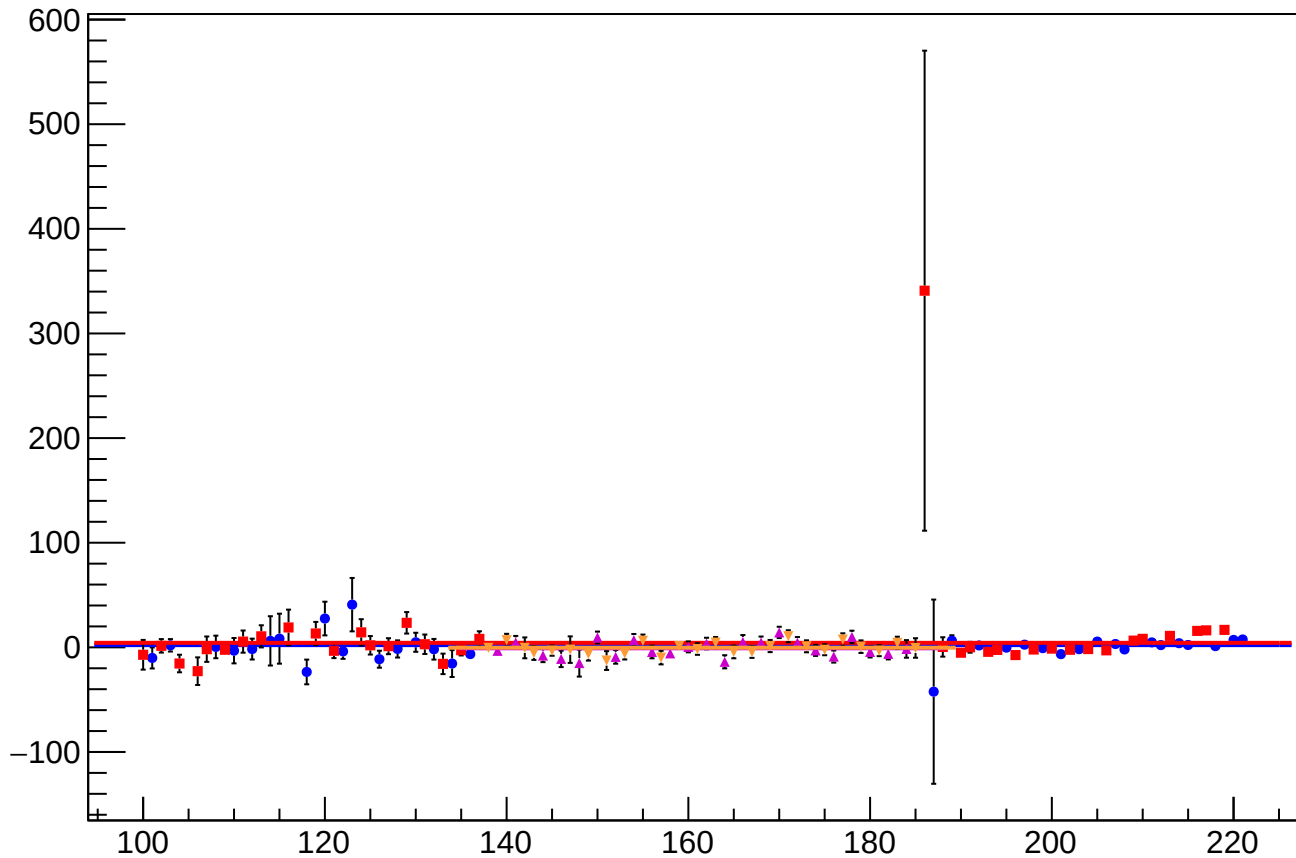
- sign 6.340 ± 5.675 $\chi^2/\text{NDF}: 56.9/59$

diff_bpm12X_rms vs Slug



Right In: 34725.480+/-5.620	χ^2/NDF : 1484048.3/34	+ sign 33384.957+/-3.906	χ^2/NDF : 3134179.2/59
Left Out: 32132.314+/-5.433	χ^2/NDF : 1540079.4/24	All: 33548.764+/-2.799	χ^2/NDF : 6220979.4/1
Right Out: 34821.569+/-5.701	χ^2/NDF : 1607222.4/36	- sign 33721.644+/-4.013	χ^2/NDF : 3083185.7/59
Left In: 32641.162+/-5.650	χ^2/NDF : 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: 2.123 ± 0.602 χ^2/NDF : 52.6/34

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: 4.315 ± 0.655 χ^2/NDF : 170.2/36

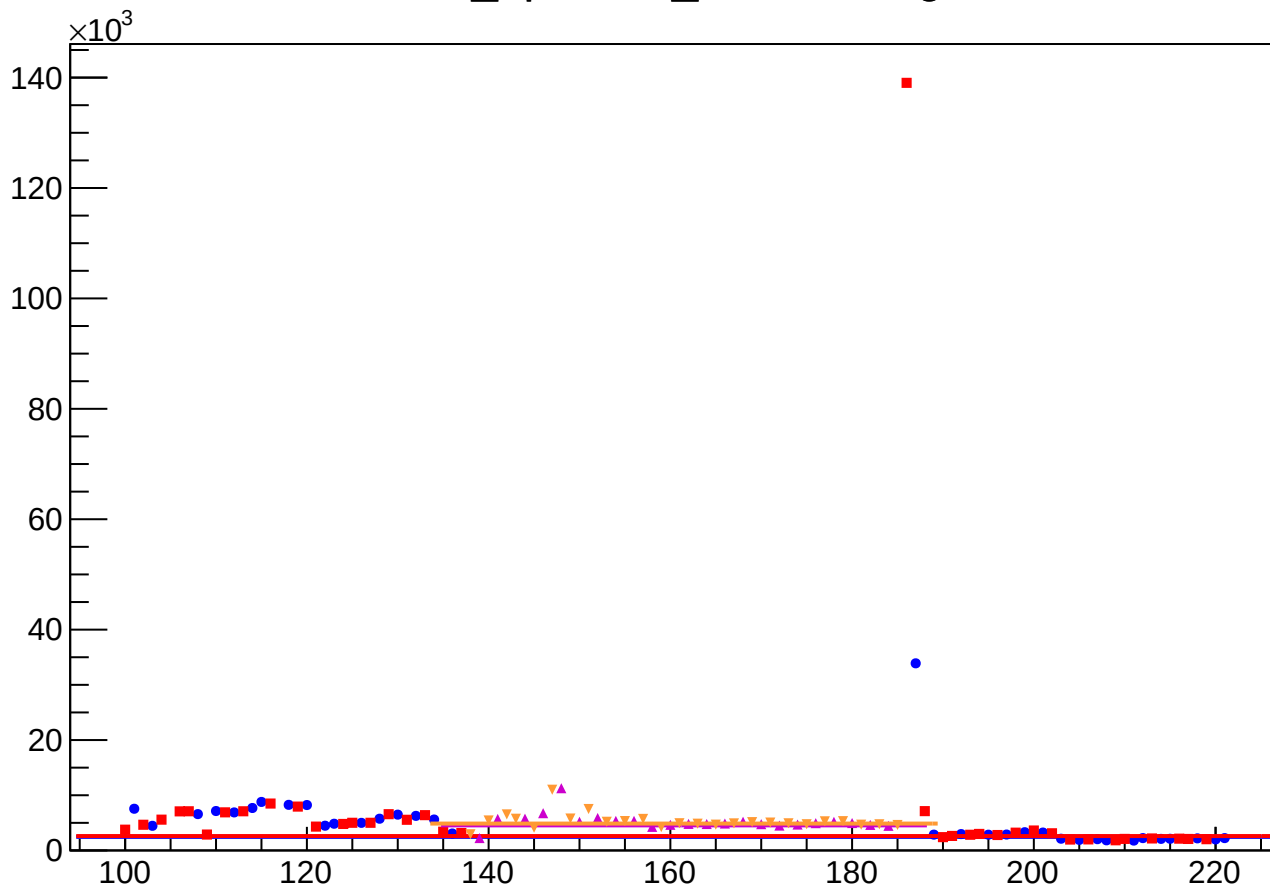
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign 1.614 ± 0.535 χ^2/NDF : 73.7/59

All: 2.276 ± 0.390 χ^2/NDF : 299.0/119

- sign 3.021 ± 0.569 χ^2/NDF : 222.1/59

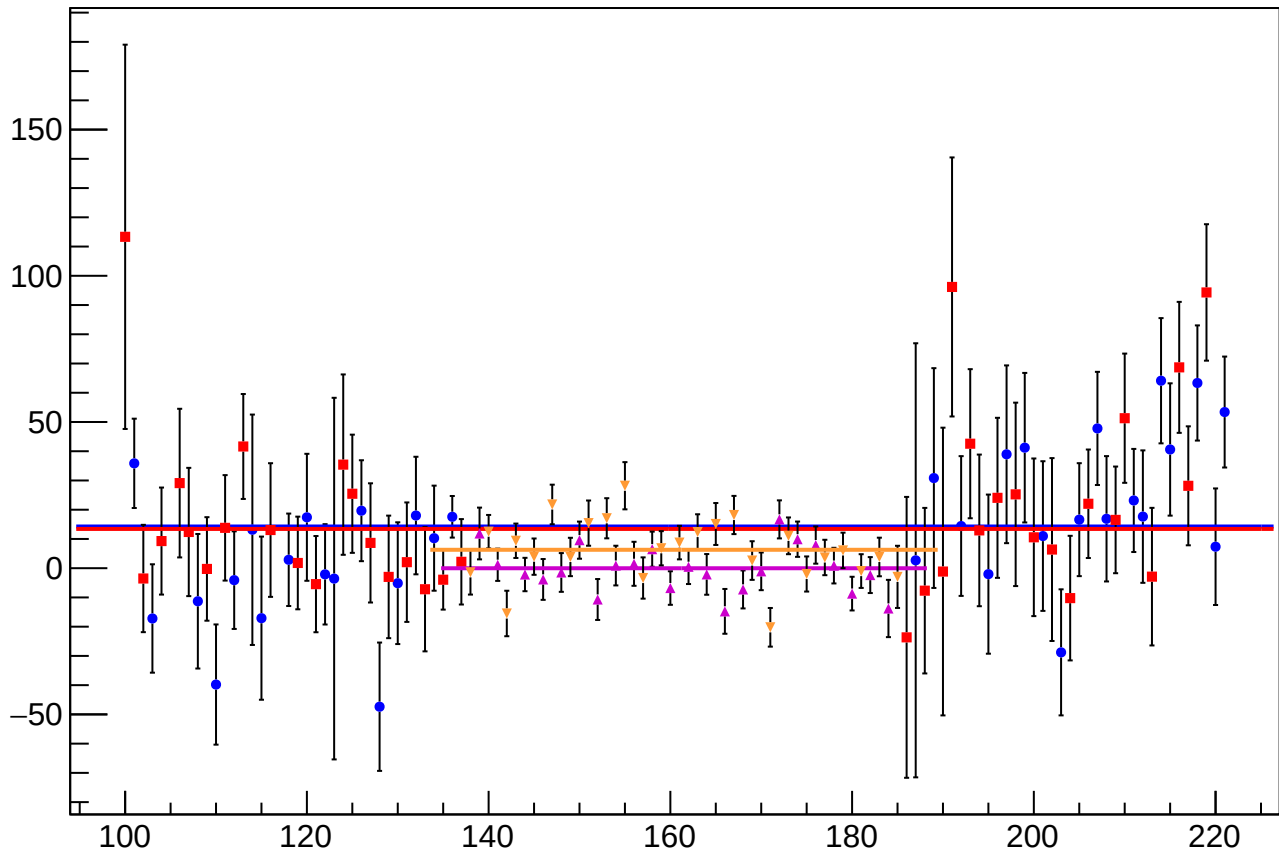
diff_bpm12Y_rms vs Slug



Right In: 2464.517 ± 0.426 χ^2/NDF : 5668648.1/34
 Left Out: 4868.567 ± 0.829 χ^2/NDF : 1511151.0/24
 Right Out: 2606.576 ± 0.464 χ^2/NDF : 6206584.5/36
 Left In: 4544.337 ± 0.808 χ^2/NDF : 2634314.4/22

+ sign 2966.533 ± 0.379 χ^2/NDF : 13841330.3/59
 All: 3023.000 ± 0.276 χ^2/NDF : 27059838.6/100
 - sign 3086.664 ± 0.402 χ^2/NDF : 13171183.9/59

diff_bpm16X_mean vs Slug



Right In: 14.258 ± 3.248 $\chi^2/\text{NDF}: 53.2/34$

Left Out: 6.296 ± 1.310 $\chi^2/\text{NDF}: 56.5/24$

Right Out: 13.430 ± 3.442 $\chi^2/\text{NDF}: 44.7/36$

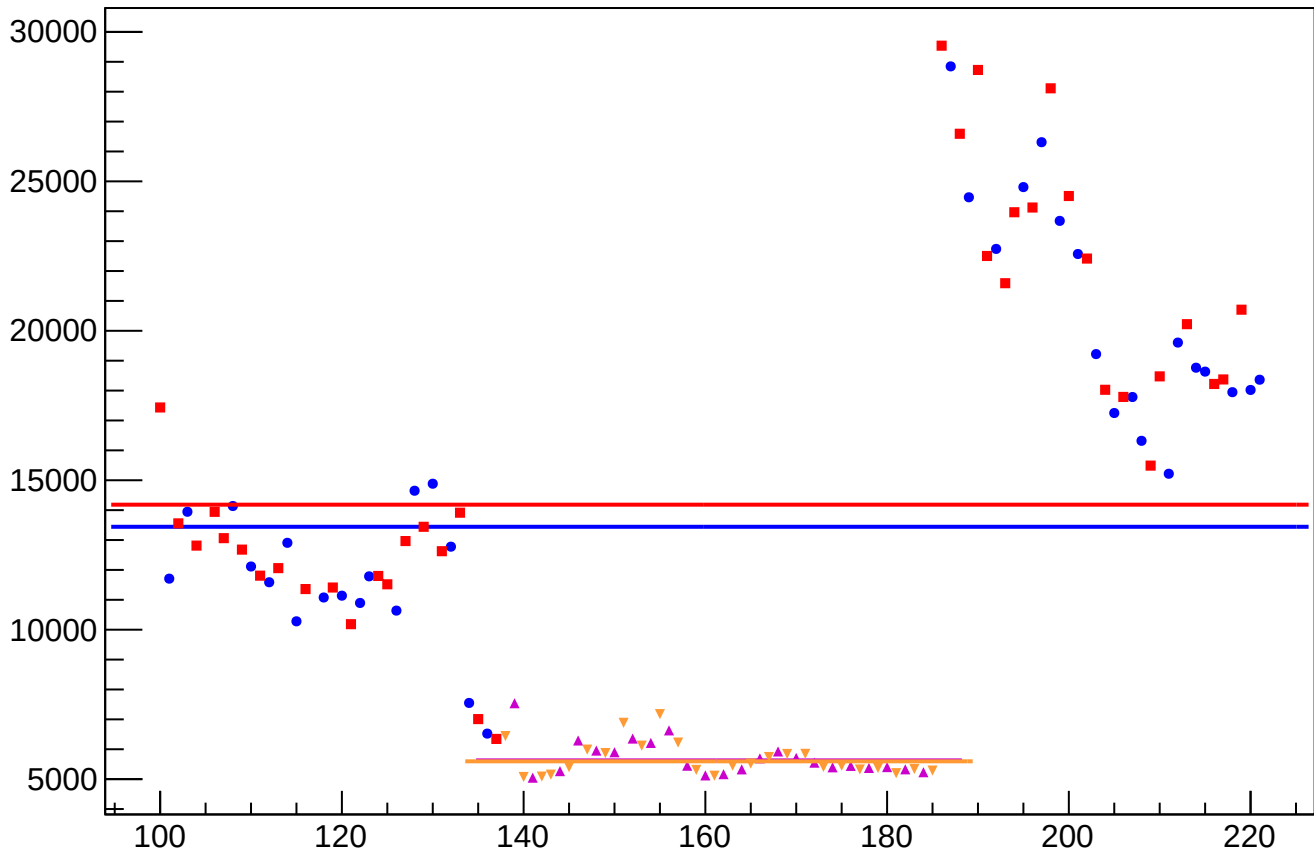
Left In: -0.020 ± 1.353 $\chi^2/\text{NDF}: 29.9/22$

+ sign 7.410 ± 1.215 $\chi^2/\text{NDF}: 114.9/59$

All: 4.696 ± 0.874 $\chi^2/\text{NDF}: 213.1/119$

- sign 1.780 ± 1.259 $\chi^2/\text{NDF}: 87.9/59$

diff_bpm16X_rms vs Slug



Right In: 13443.027+/-2.296 χ^2/NDF : 5321840.5/34

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 14182.719+/-2.434 χ^2/NDF : 4982562.7/36

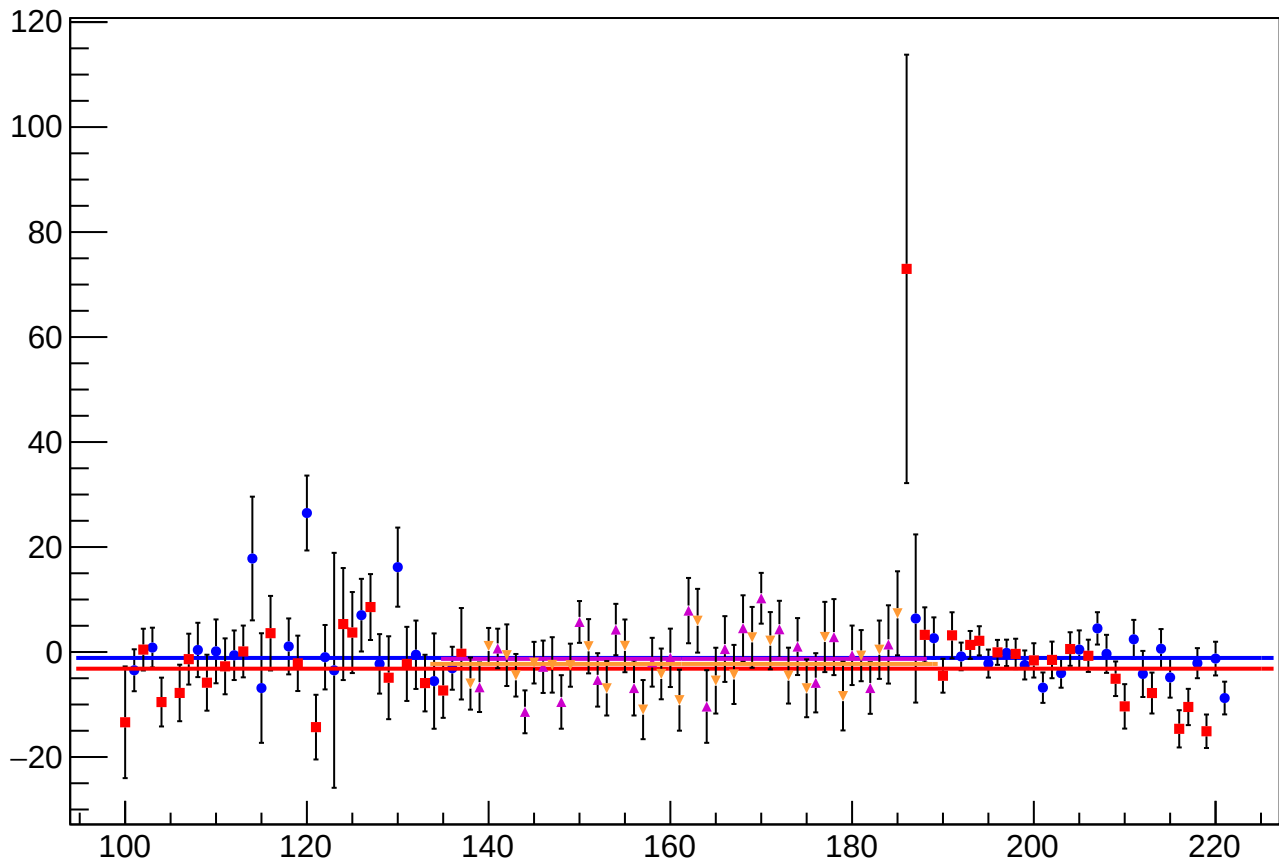
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6694.643+/-0.859 χ^2/NDF : 15646474.1/59

All: 6732.236+/-0.618 χ^2/NDF : 31616550.5/100

- sign 6772.615+/-0.890 χ^2/NDF : 15966105.4/59

diff_bpm16Y_mean vs Slug



Right In: -1.128 ± 0.669 χ^2/NDF : 44.8/34

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -3.176 ± 0.679 χ^2/NDF : 67.8/36

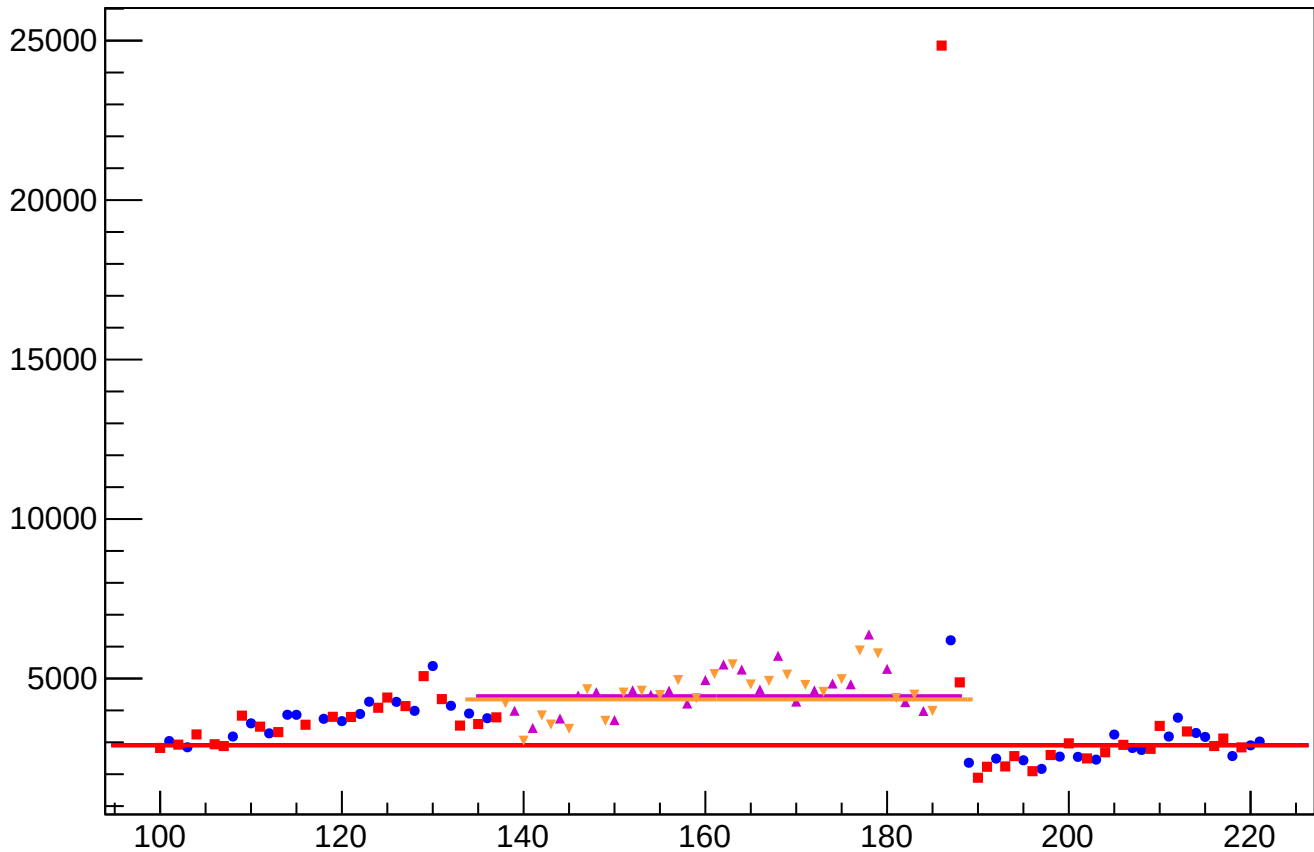
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.466 ± 0.561 χ^2/NDF : 61.0/59

All: -2.040 ± 0.401 χ^2/NDF : 163.9/119

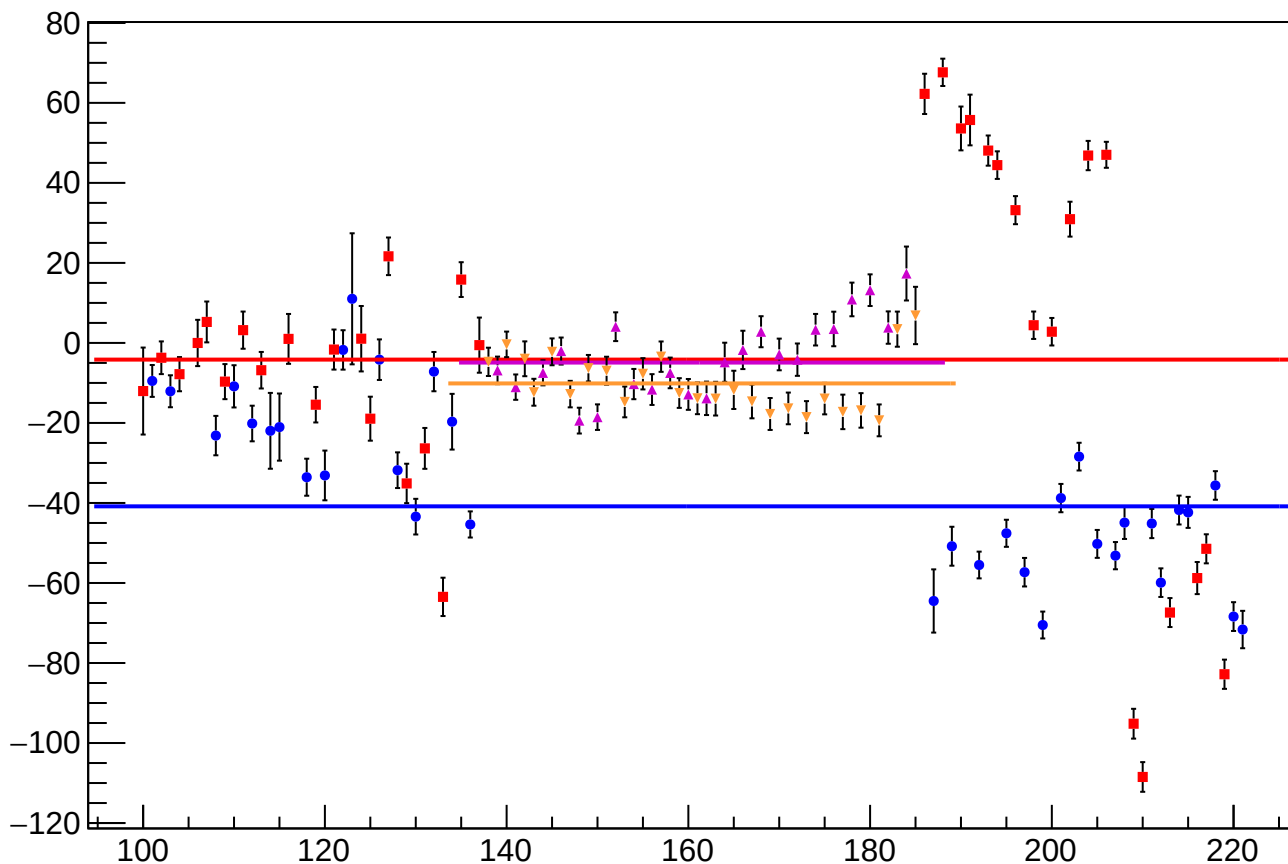
- sign -2.643 ± 0.575 χ^2/NDF : 100.8/59

diff_bpm16Y_rms vs Slug



Right In: 2910.744+/-0.473	χ^2/NDF : 1451655.4/34	+ sign 3336.331+/-0.396	χ^2/NDF : 5184319.2/59
Left Out: 4345.381+/-0.728	χ^2/NDF : 1000636.1/24	All: 3338.837+/-0.284	χ^2/NDF : 11175089.3/1
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: -40.846 ± 0.710 χ^2/NDF : 686.6/34

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: -4.170 ± 0.709 χ^2/NDF : 4637.8/36

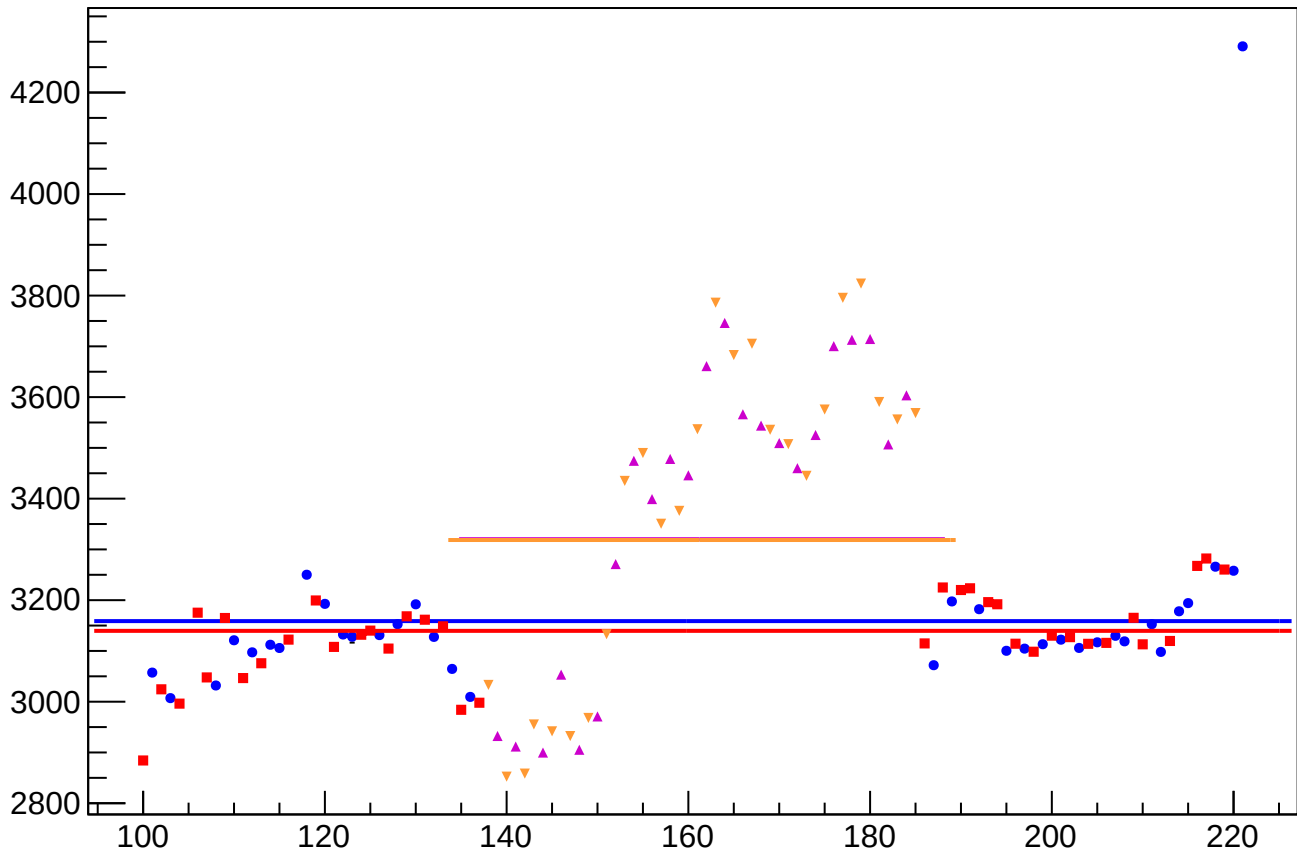
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -26.837 ± 0.524 χ^2/NDF : 1608.4/59

All: -15.797 ± 0.372 χ^2/NDF : 7274.1/119

- sign -4.497 ± 0.530 χ^2/NDF : 4766.2/59

diff_bpm0l01X_rms vs Slug



Right In: 3158.765 $\pm$ 0.502 χ^2 /NDF: 136533.2/34

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

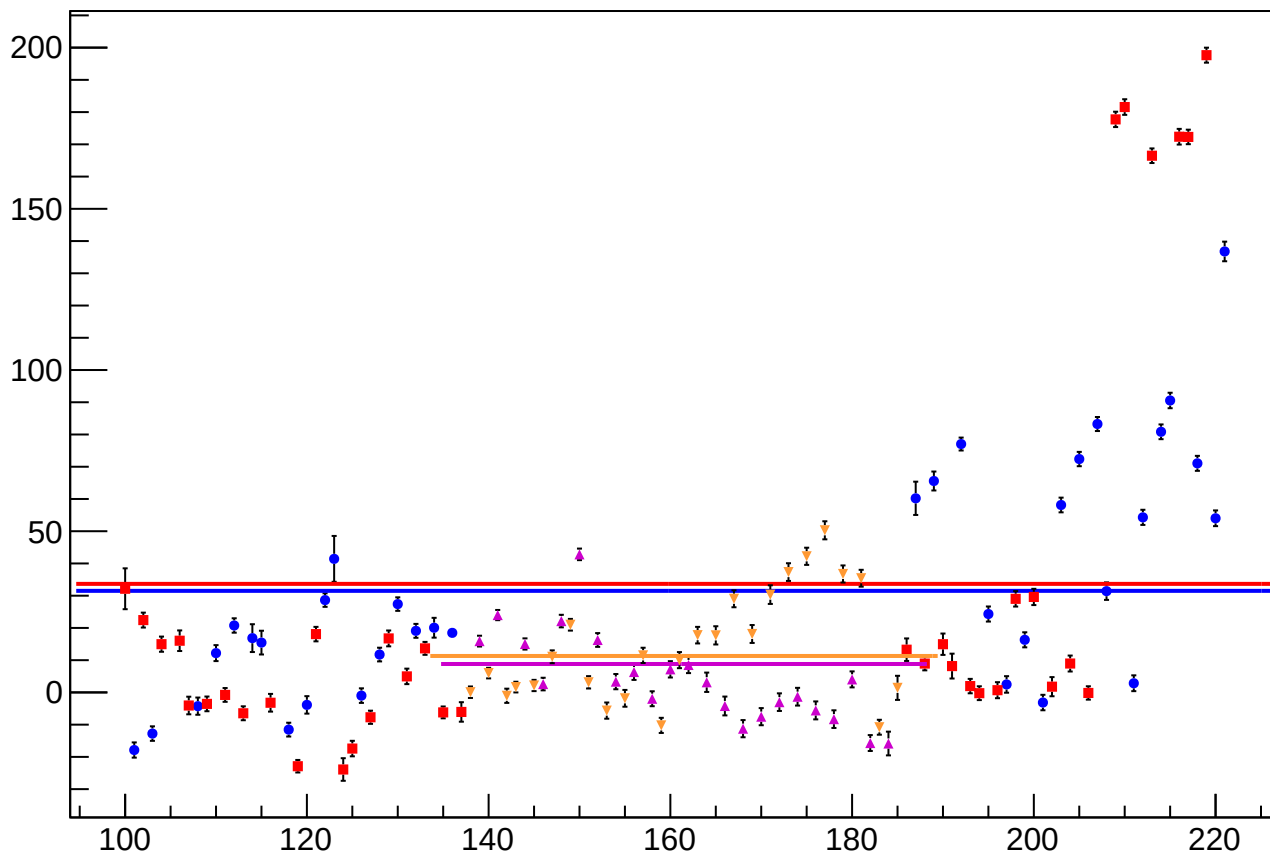
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3231.604 $\pm$ 0.370 χ^2 /NDF: 520397.5/59

All: 3225.539 $\pm$ 0.263 χ^2 /NDF: 888091.8/119

- sign 3219.331 $\pm$ 0.375 χ^2 /NDF: 367151.4/59

diff_bpm0l01Y_mean vs Slug



Right In: 31.503 $\pm$ 0.403 χ^2 /NDF: 7125.3/34

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF: 1144.3/24

Right Out: 33.667 $\pm$ 0.398 χ^2 /NDF: 28505.1/36

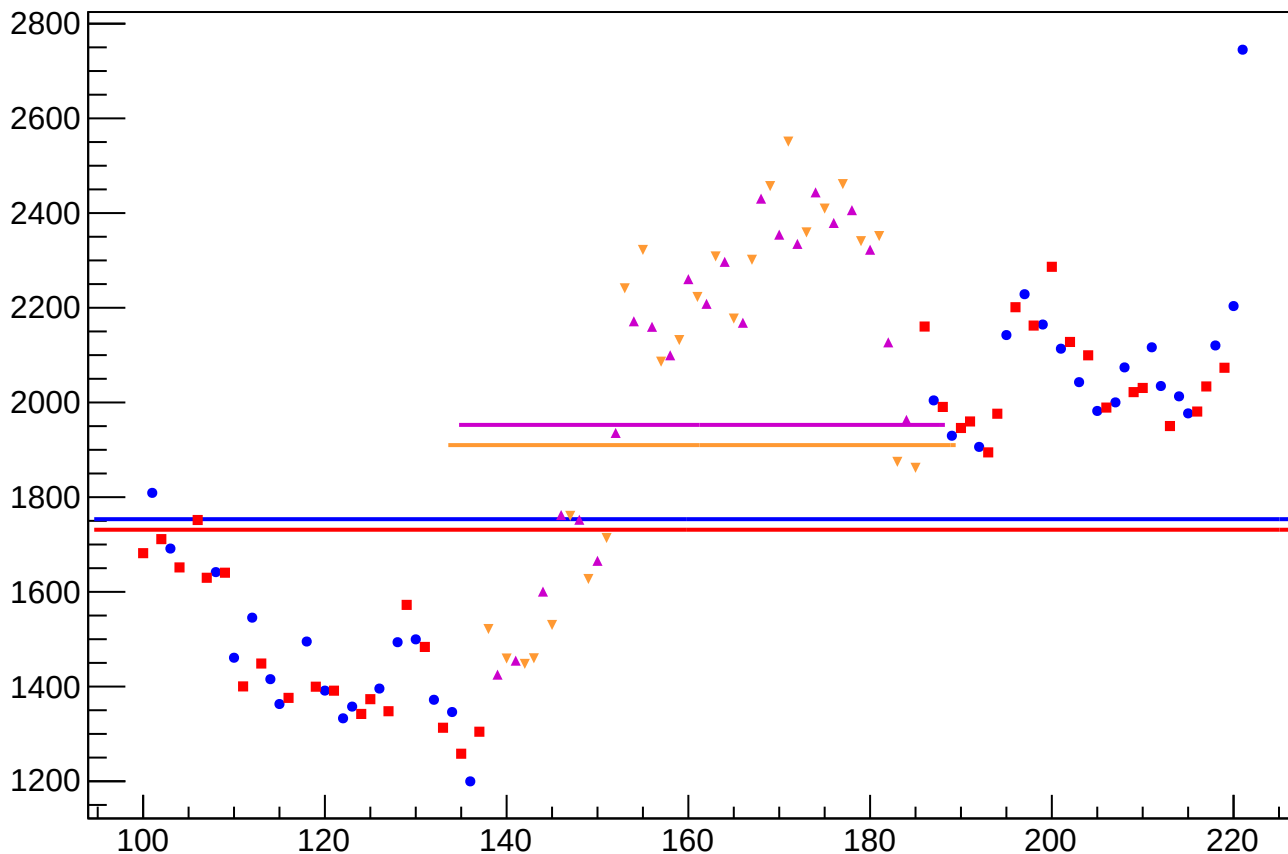
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF: 942.2/22

+ sign 22.608 $\pm$ 0.301 χ^2 /NDF: 9378.0/59

All: 23.010 $\pm$ 0.214 χ^2 /NDF: 40435.2/119

- sign 23.422 $\pm$ 0.305 χ^2 /NDF: 31053.6/59

diff_bpm0l01Y_rms vs Slug



Right In: 1753.524+/-0.285 χ^2/NDF : 1610517.9/34

Left Out: 1909.963+/-0.321 χ^2/NDF :1399467.7/24

Right Out: 1731.214+/-0.282 χ^2/NDF : 1292797.0/36

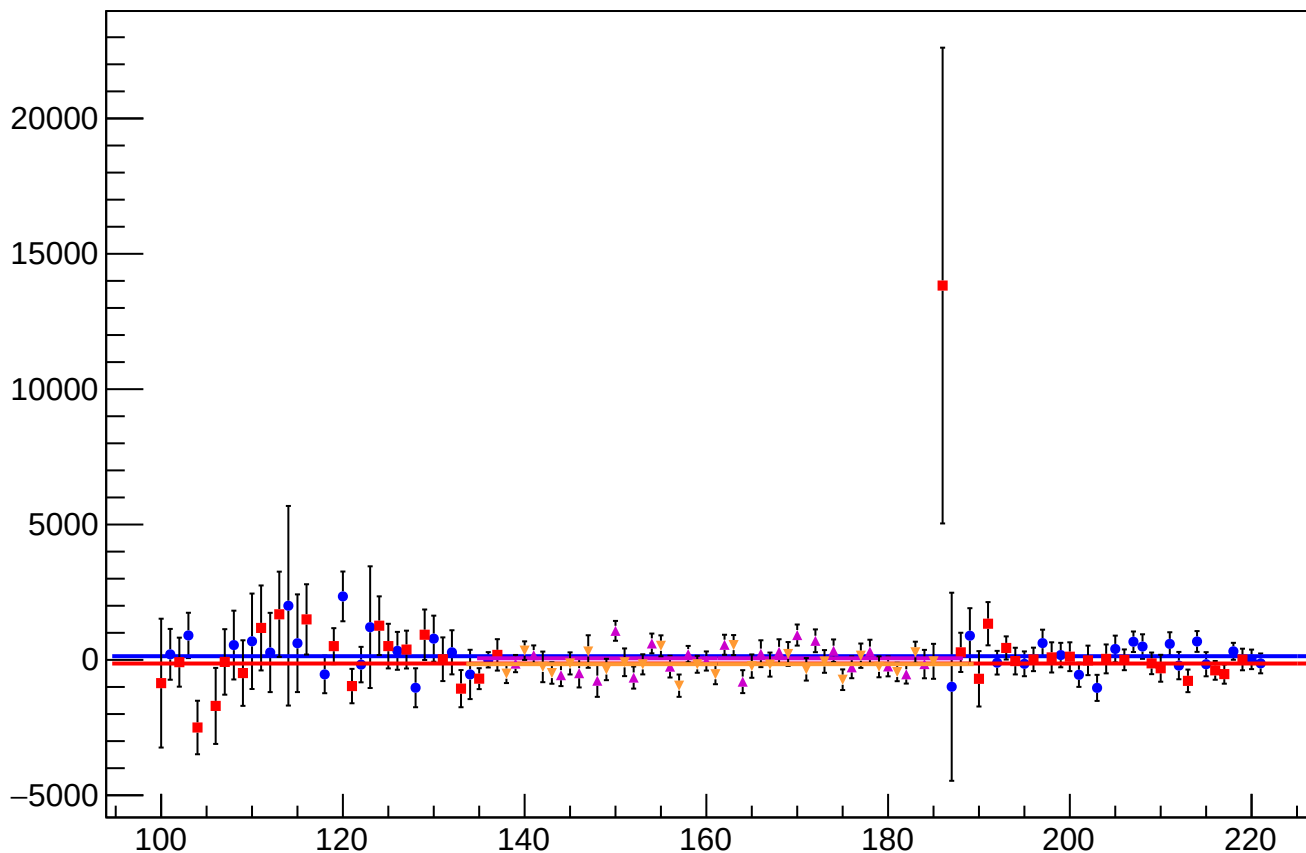
Left In: 1952.637+/-0.336 χ^2/NDF :1065333.8/22

+ sign 1822.420+/-0.213 χ^2/NDF : 3142962.2/59

All: 1822.456+/-0.152 χ^2/NDF : 5756138.9/11

- sign 1822.493+/-0.216 χ^2/NDF : 2613176.6/59

asym_sam1_mean vs Slug



Right In: 136.567 $\pm$ 90.380 χ^2 /NDF: 31.1/34

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

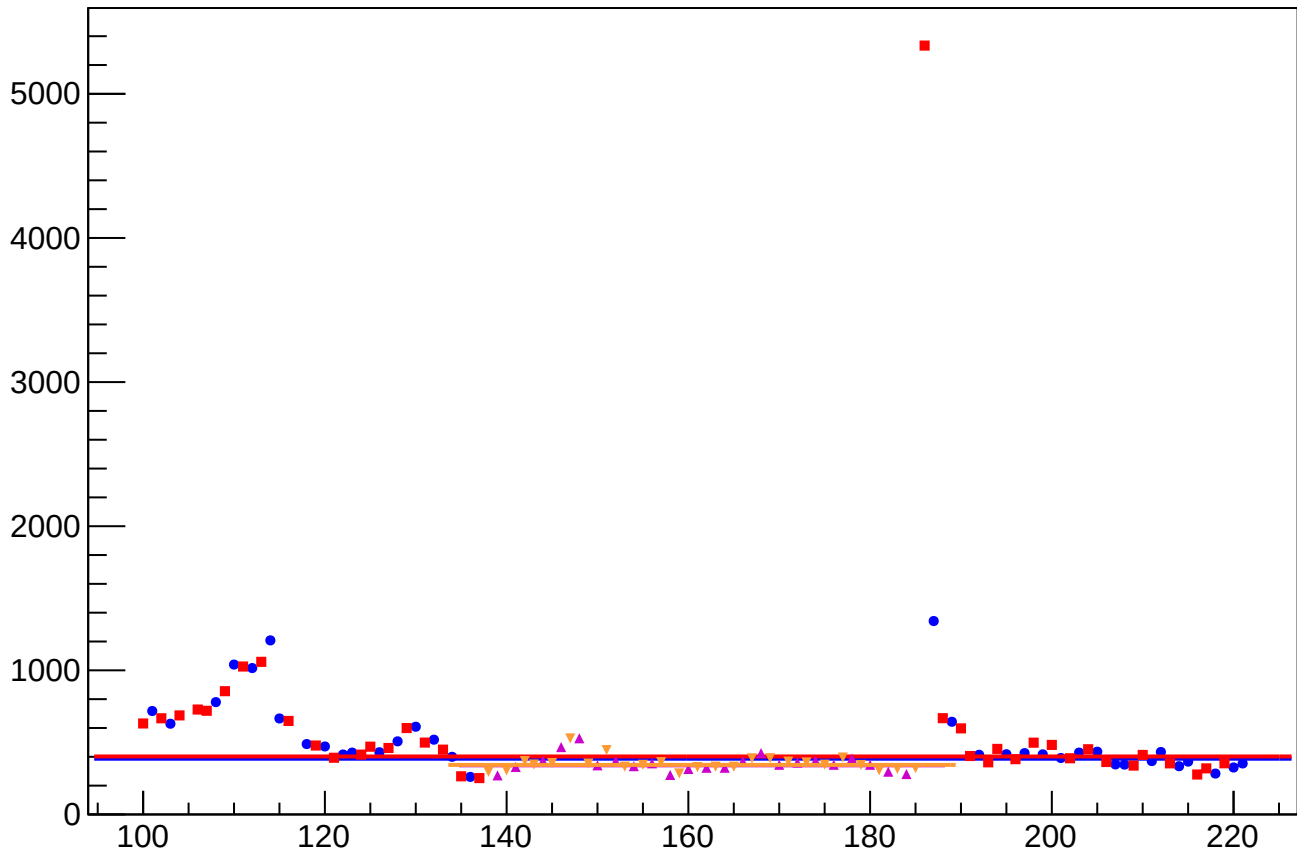
Left In: 58.934 $\pm$ 82.584 χ^2 /NDF:38.5/22

+ sign -26.737 $\pm$ 60.236 χ^2 /NDF: 59.0/59

All: -24.781 $\pm$ 43.441 χ^2 /NDF: 135.2/119

- sign -22.661 $\pm$ 62.708 χ^2 /NDF: 76.2/59

asym_sam1_rms vs Slug



Right In: 386.860 $\pm$ 0.064 χ^2 /NDF: 2854197.6/34

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

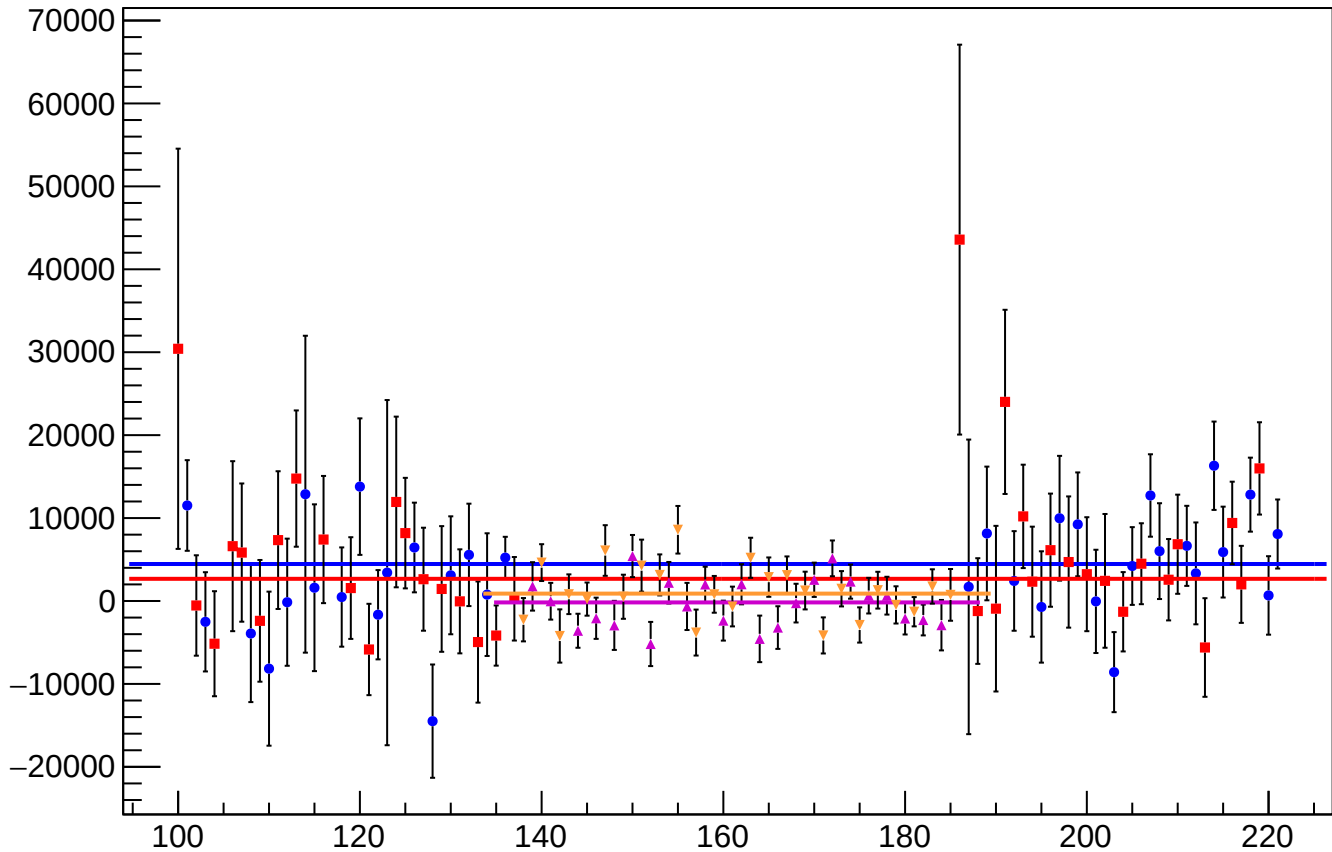
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 362.930 $\pm$ 0.043 χ^2 /NDF: 3645879.5/59

All: 364.827 $\pm$ 0.031 χ^2 /NDF: 8663623.5/119

- sign 366.883 $\pm$ 0.044 χ^2 /NDF: 5013611.0/59

asym_sam2_mean vs Slug



Right In: 4460.063 ± 970.386 χ^2/NDF : 40.7/34

Left Out: 890.395 ± 473.262 χ^2/NDF : 38.0/24

Right Out: 2674.625 ± 1050.260 χ^2/NDF : 35.6/36

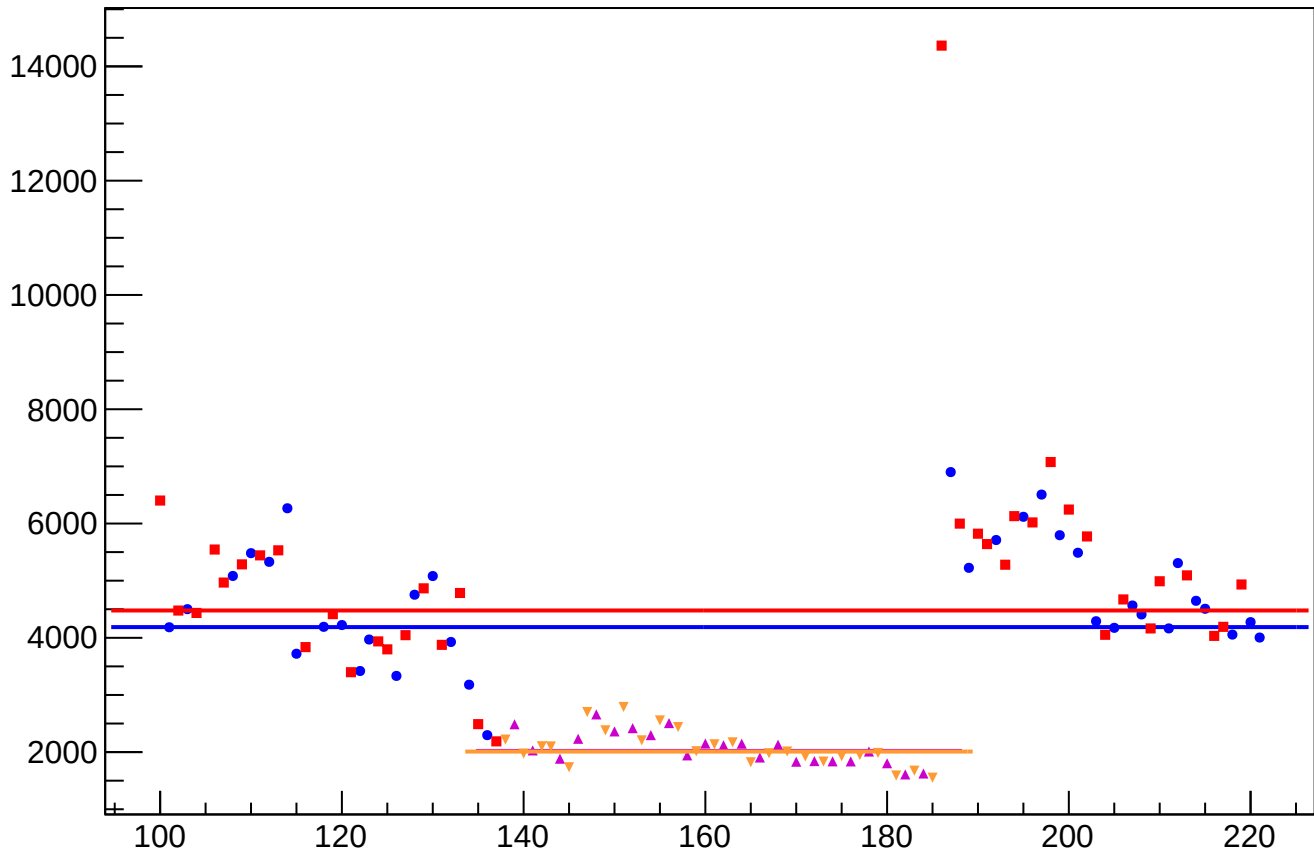
Left In: -172.391 ± 488.067 χ^2/NDF : 33.2/22

+ sign 1576.313 ± 425.370 χ^2/NDF : 89.6/59

All: 979.459 ± 306.695 χ^2/NDF : 168.5/119

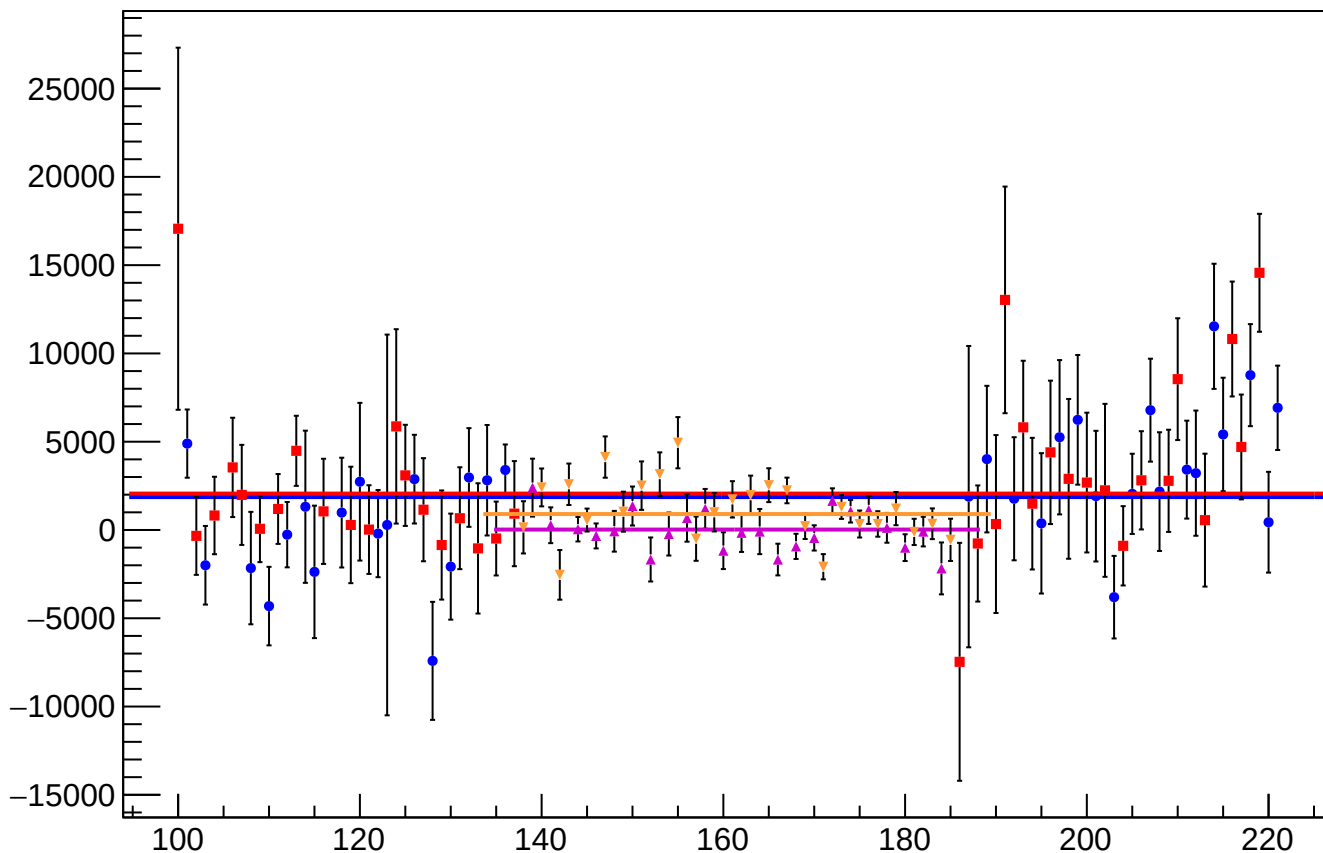
- sign 333.245 ± 442.610 χ^2/NDF : 74.8/59

asym_sam2_rms vs Slug



Right In: 4187.612 $\pm$ 0.686	χ^2 /NDF: 2343404.3/34	+ sign 2428.134 $\pm$ 0.301	χ^2 /NDF: 11192533.8/59
Left Out: 2009.631 $\pm$ 0.335	χ^2 /NDF: 709977.6/24	All: 2441.956 $\pm$ 0.217	χ^2 /NDF: 23357364.4/1
Right Out: 4478.422 $\pm$ 0.743	χ^2 /NDF: 2577422.1/36	- sign 2456.921 $\pm$ 0.313	χ^2 /NDF: 12160432.5/59
Left In: 2020.365 $\pm$ 0.345	χ^2 /NDF: 573483.0/22		

asym_sam3_mean vs Slug



Right In: 1863.495 $\pm$ 477.598 χ^2 /NDF: 59.9/34

Left Out: 902.091 $\pm$ 185.850 χ^2 /NDF:63.5/24

Right Out: 2061.735 $\pm$ 489.576 χ^2 /NDF: 46.7/36

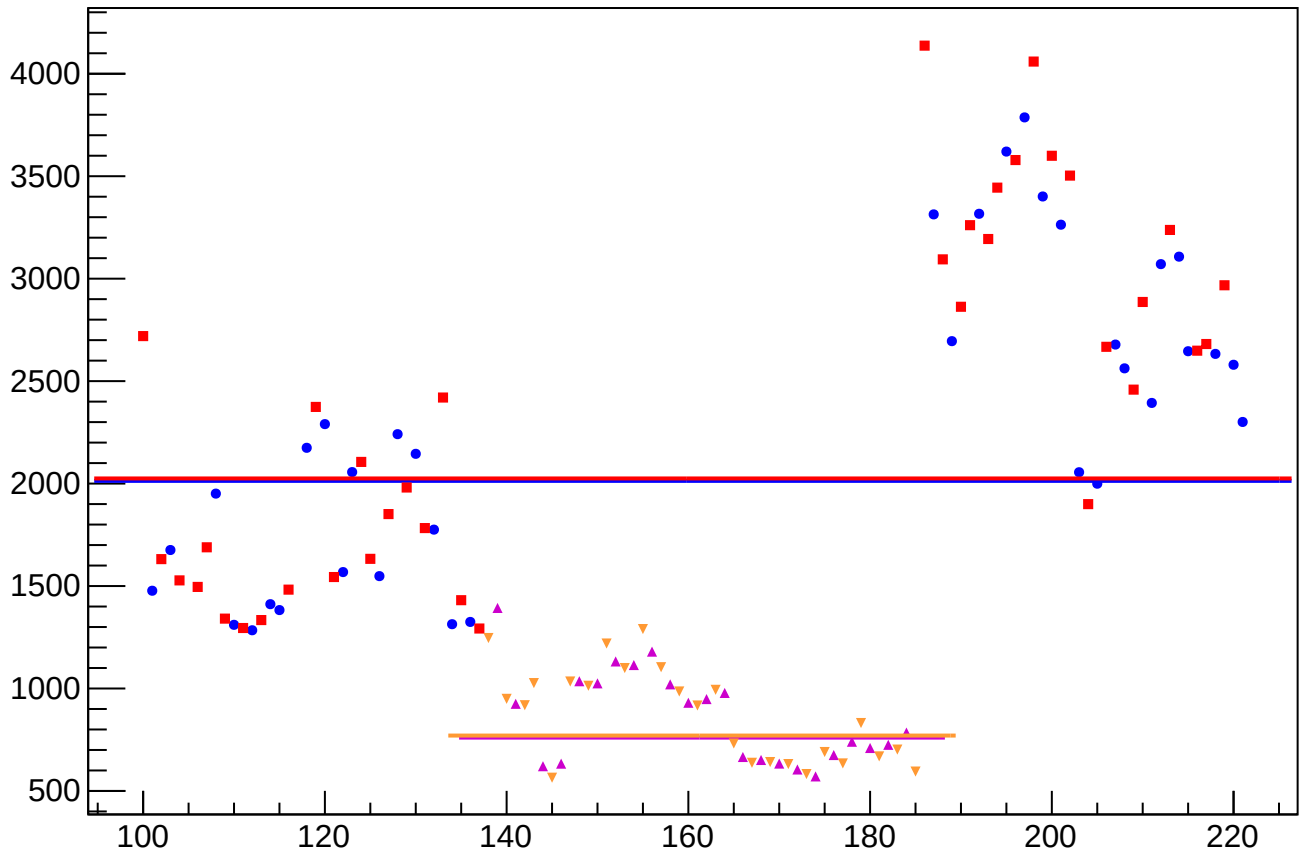
Left In: 23.529 $\pm$ 188.137 χ^2 /NDF:28.2/22

+ sign 1028.527 $\pm$ 173.199 χ^2 /NDF: 127.0/59

All: 662.307 $\pm$ 123.316 χ^2 /NDF: 226.1/119

- sign 285.792 $\pm$ 175.616 χ^2 /NDF: 90.1/59

asym_sam3_rms vs Slug



Right In: 2013.240 $\pm$ 0.338 χ^2 /NDF: 3925650.9/34

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

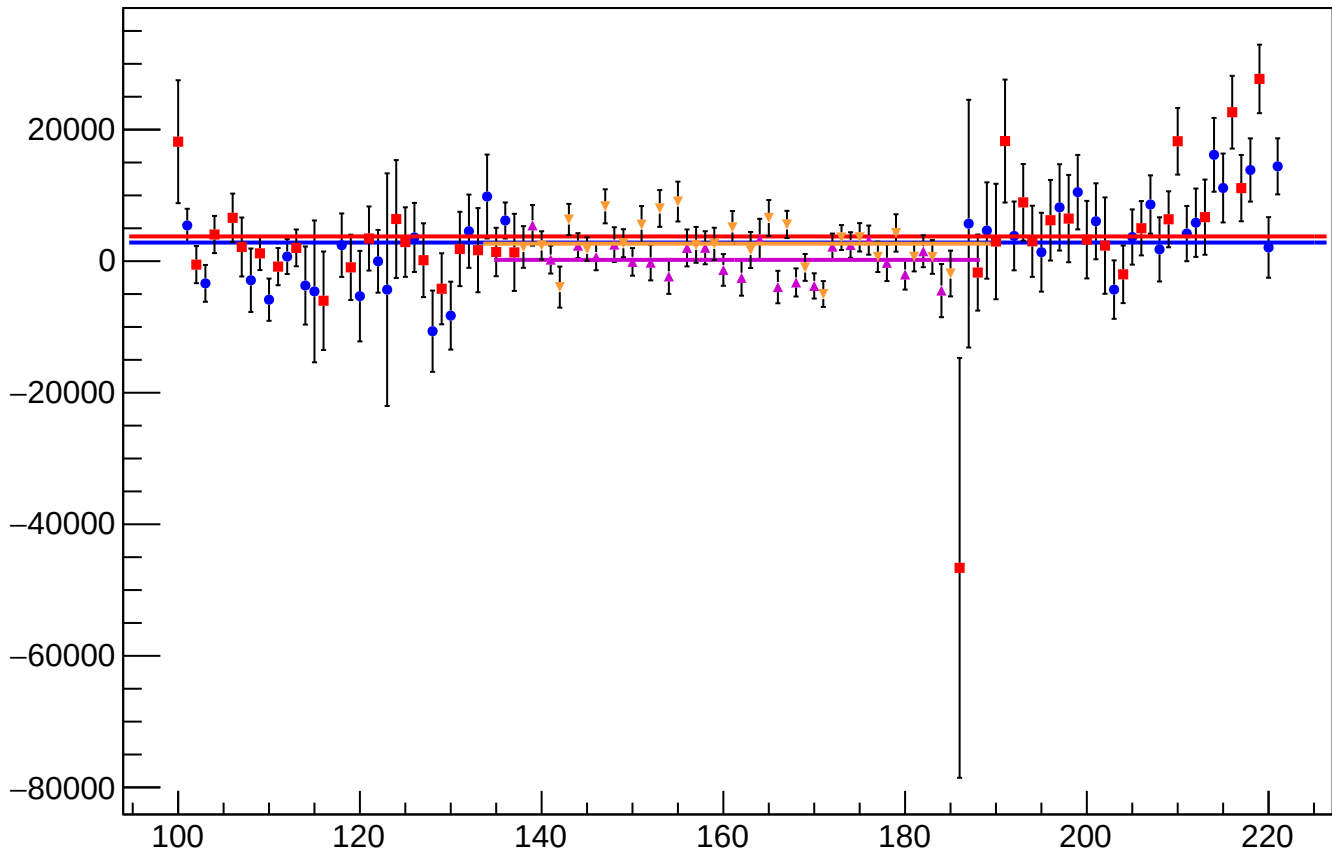
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 933.779 $\pm$ 0.122 χ^2 /NDF: 17977326.0/59

All: 928.505 $\pm$ 0.087 χ^2 /NDF: 36210326.5/11

- sign 923.083 $\pm$ 0.124 χ^2 /NDF: 18229239.5/59

asym_sam4_mean vs Slug



Right In: 2830.504 $\pm$ 771.079 χ^2 /NDF: 59.8/34

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

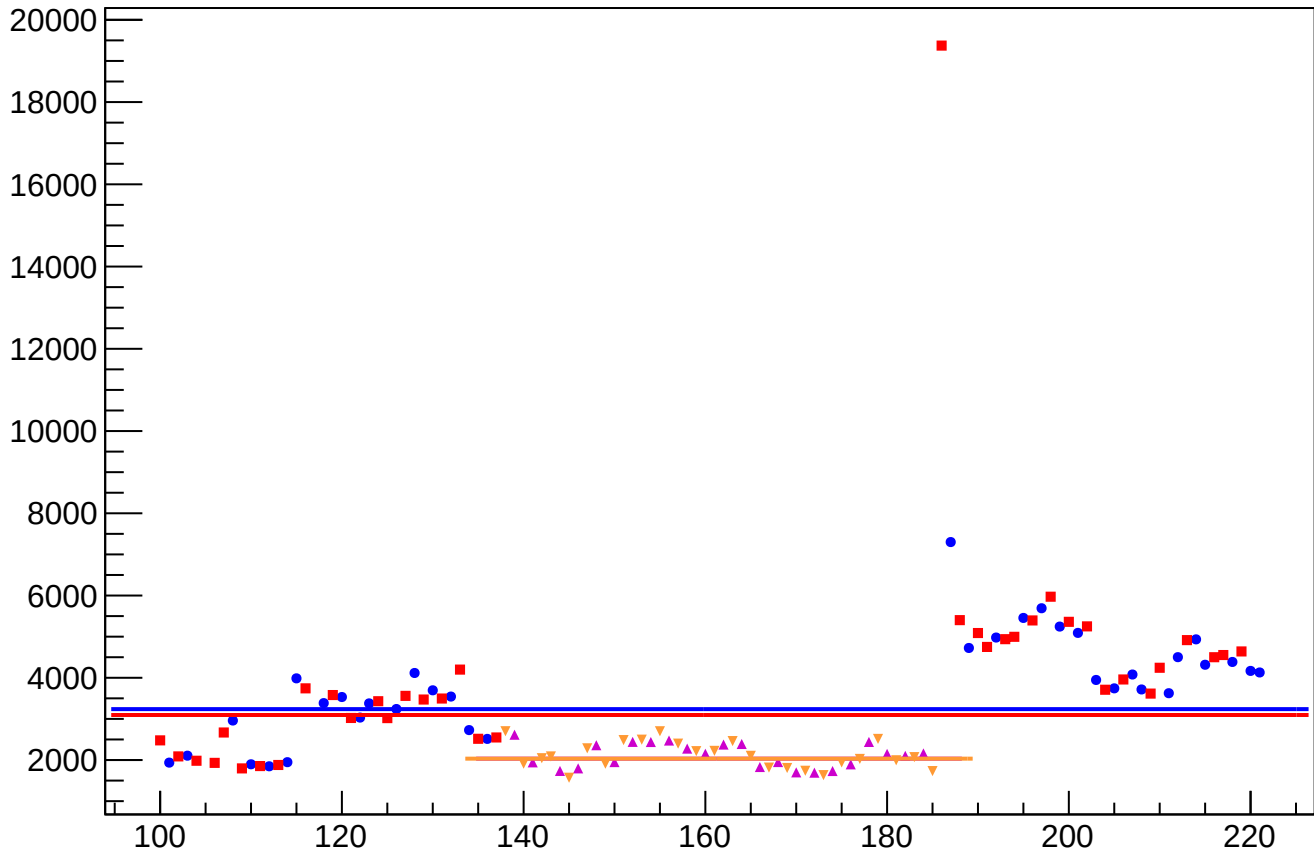
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

+ sign 2711.615 $\pm$ 407.357 χ^2 /NDF: 109.1/59

All: 1990.721 $\pm$ 290.092 χ^2 /NDF: 224.7/119

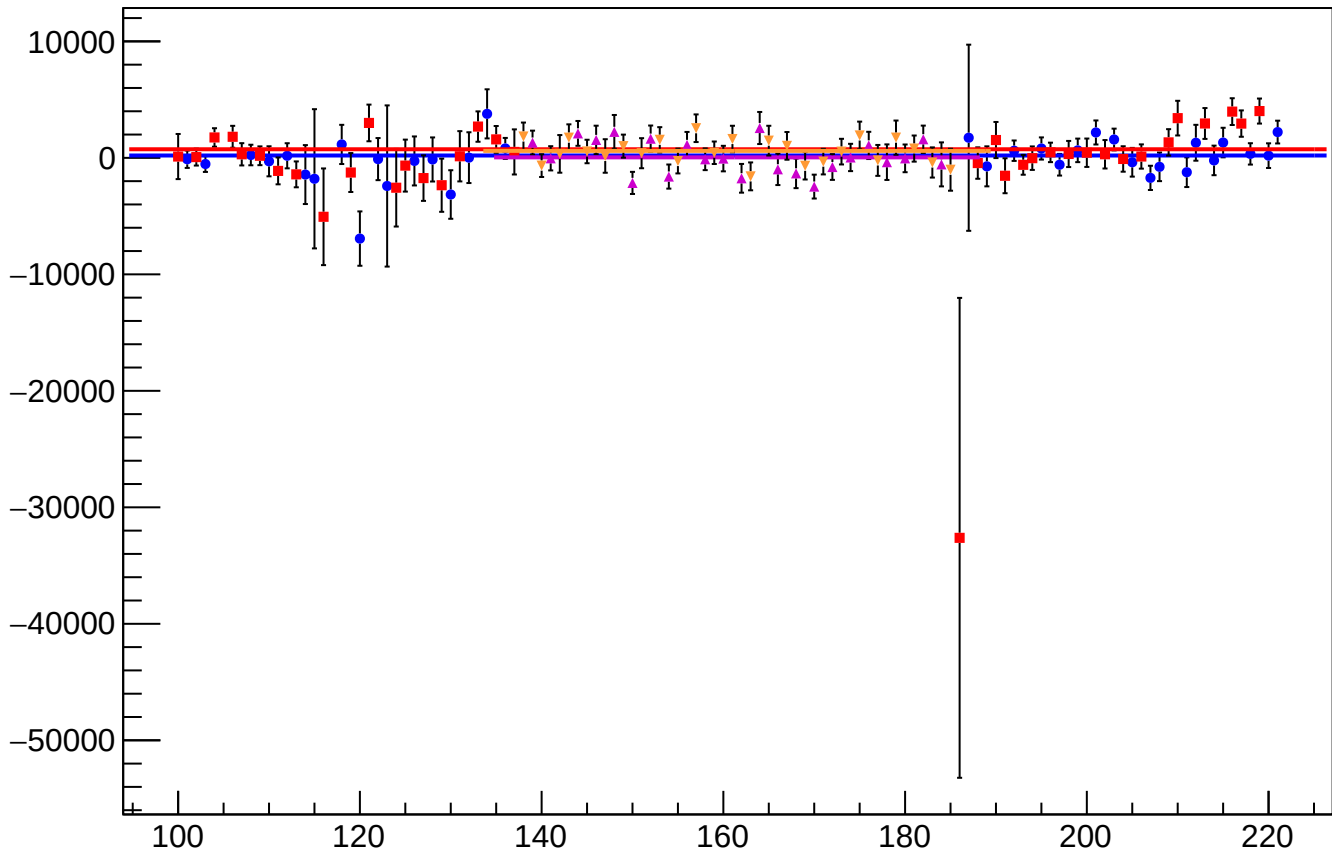
- sign 1248.965 $\pm$ 413.209 χ^2 /NDF: 109.3/59

asym_sam4_rms vs Slug



Right In: 3237.939+/-0.545	χ^2/NDF : 4351526.9/34	+ sign 2369.535+/-0.288	χ^2/NDF : 8694413.7/59
Left Out: 2033.337+/-0.339	χ^2/NDF : 824062.2/24	All: 2357.911+/-0.205	χ^2/NDF : 17886568.9/1
Right Out: 3095.115+/-0.538	χ^2/NDF : 5786790.7/36	- sign 2345.950+/-0.292	χ^2/NDF : 9188850.7/59
Left In: 2032.655+/-0.348	χ^2/NDF : 652763.7/22		

asym_sam5_mean vs Slug



Right In: 202.385+/-200.797 χ^2/NDF : 36.7/34

Left Out: 600.005+/-234.968 χ^2/NDF : 18.5/24

Right Out: 738.345+/-196.924 χ^2/NDF : 61.7/36

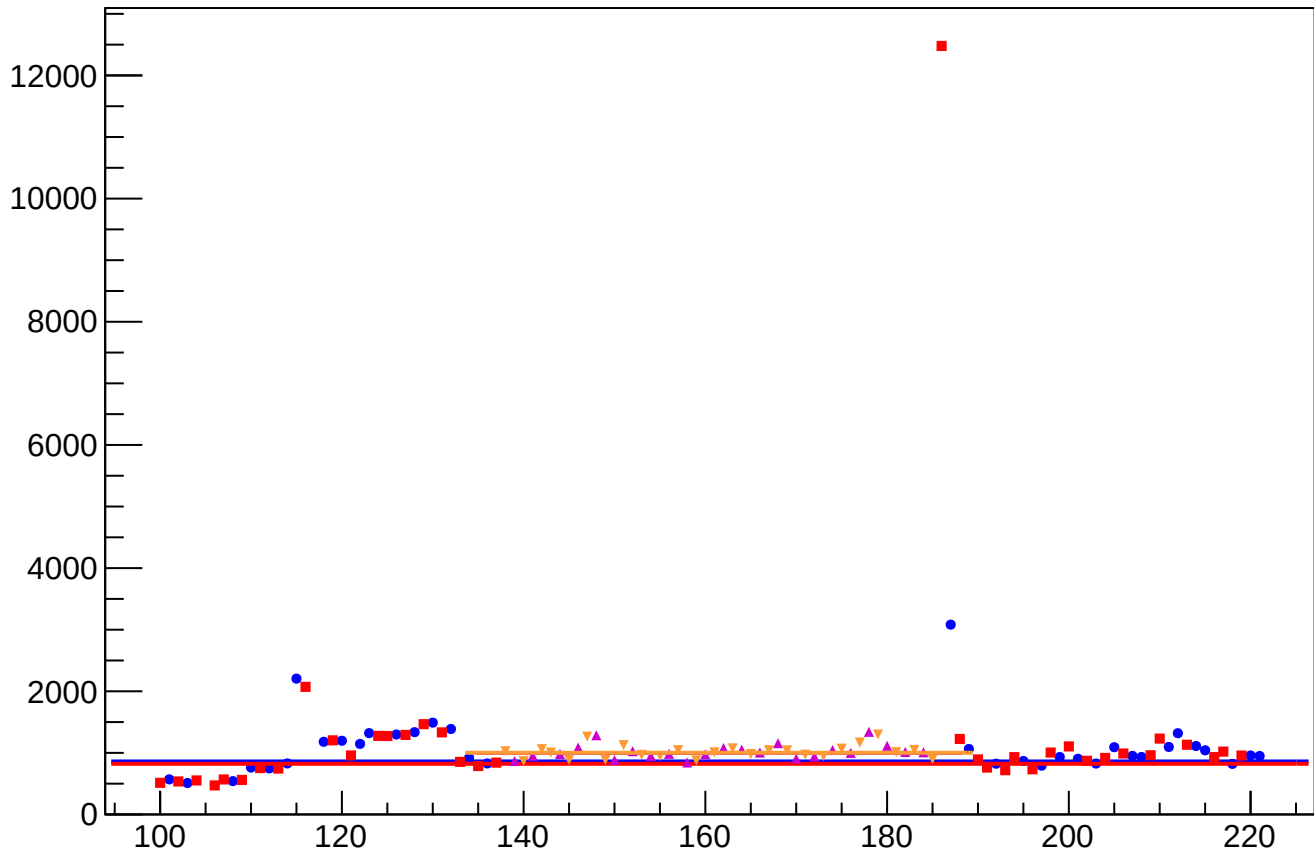
Left In: 41.559+/-240.807 χ^2/NDF : 36.4/22

+ sign 370.206+/-152.650 χ^2/NDF : 56.9/59

All: 414.719+/-107.866 χ^2/NDF : 160.2/119

- sign 459.111+/-152.442 χ^2/NDF : 103.1/59

asym_sam5_rms vs Slug



Right In: 860.568 $\pm$ 0.142 χ^2 /NDF: 2626722.5/34

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 822.888 $\pm$ 0.139 χ^2 /NDF: 3585154.5/36

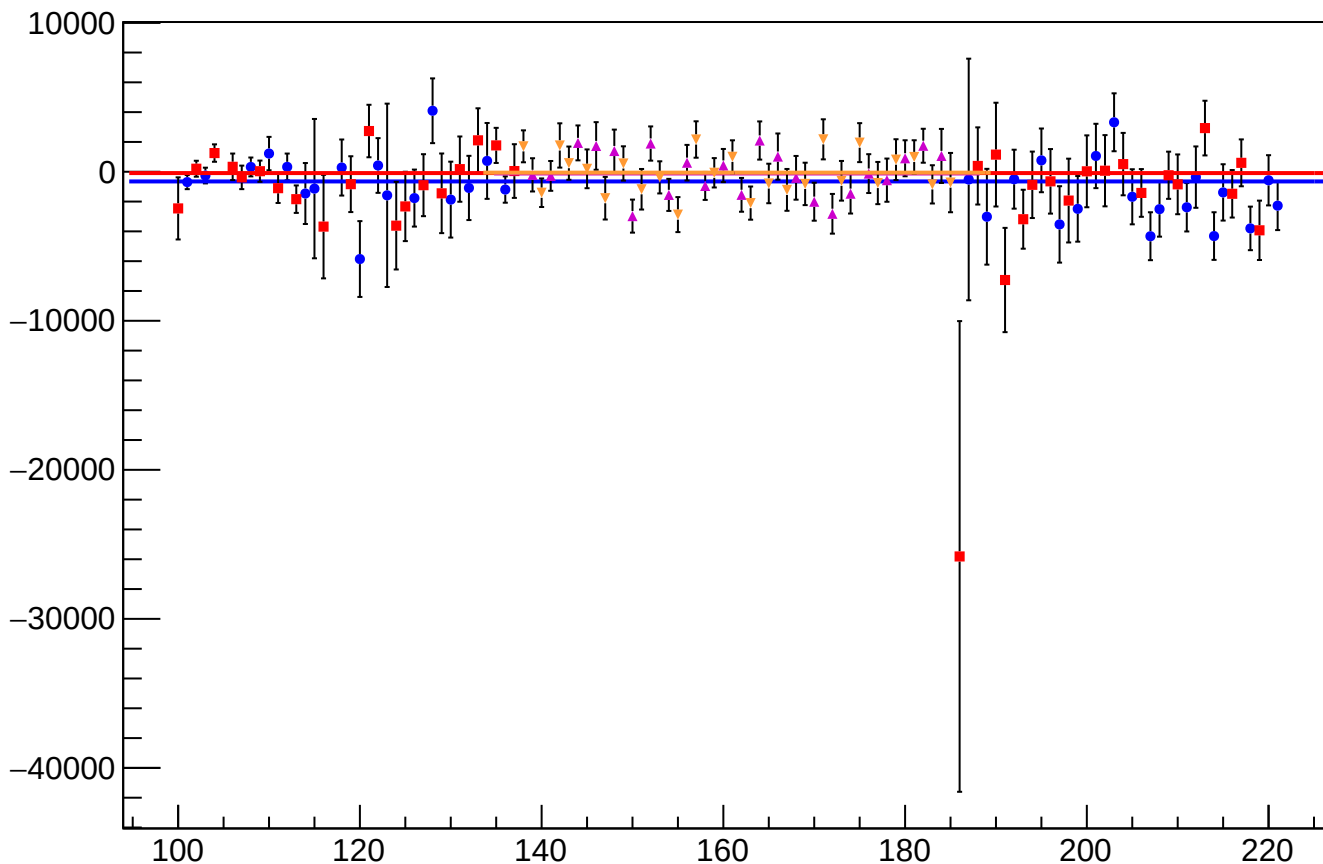
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 920.038 $\pm$ 0.108 χ^2 /NDF: 3412680.7/59

All: 906.542 $\pm$ 0.076 χ^2 /NDF: 8067851.6/119

- sign 893.083 $\pm$ 0.108 χ^2 /NDF: 4623948.0/59

asym_sam6_mean vs Slug



Right In: -649.756+/-219.315 χ^2/NDF : 44.4/34

Left Out: -59.827+/-246.503 χ^2/NDF : 31.0/24

Right Out: -88.442+/-220.491 χ^2/NDF : 40.4/36

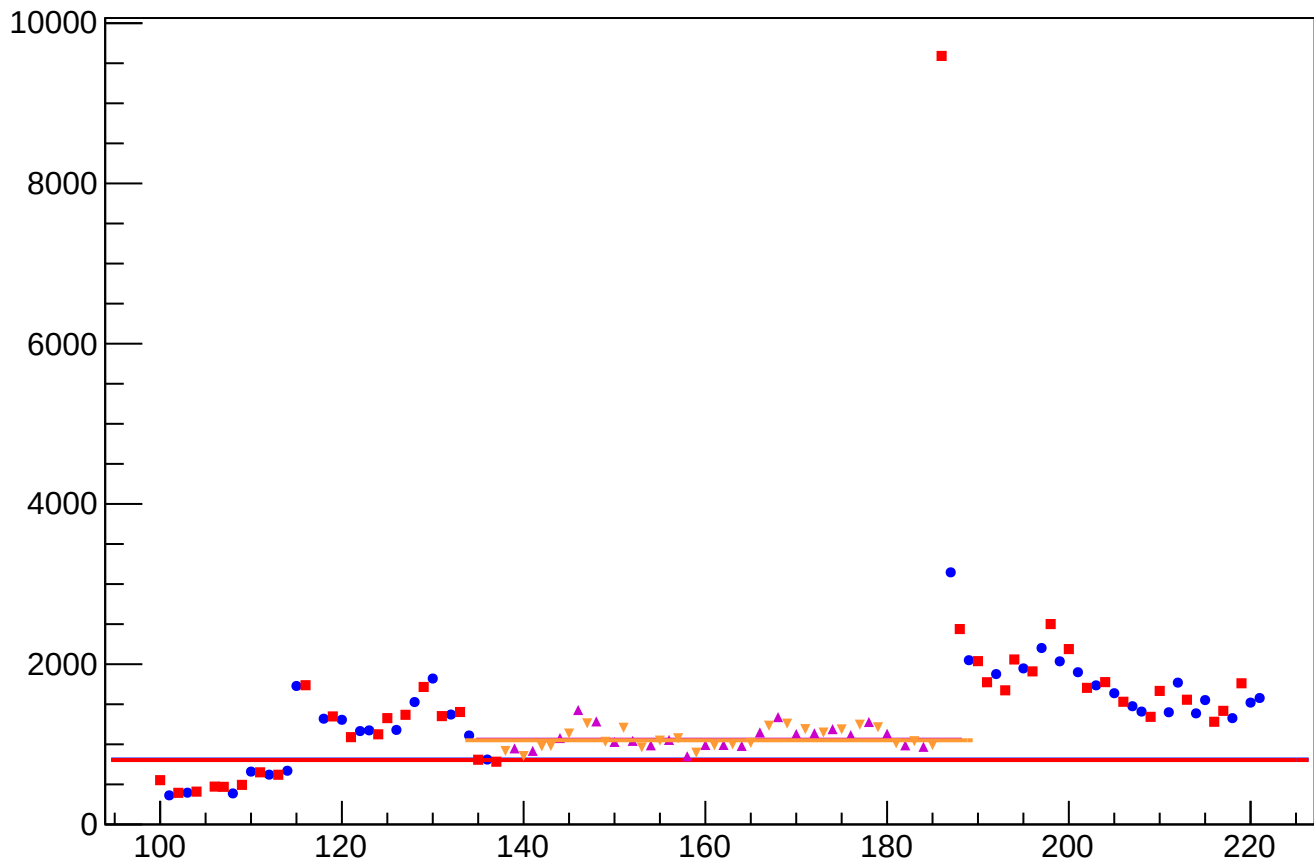
Left In: -112.398+/-255.409 χ^2/NDF : 34.9/22

+ sign -389.107+/-163.852 χ^2/NDF : 78.6/59

All: -246.568+/-116.924 χ^2/NDF : 155.4/119

- sign -98.672+/-166.902 χ^2/NDF : 75.3/59

asym_sam6_rms vs Slug



Right In: 810.095+/-0.155 χ^2/NDF : 12233539.7/34

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 803.696+/-0.156 χ^2/NDF : 12170774.3/36

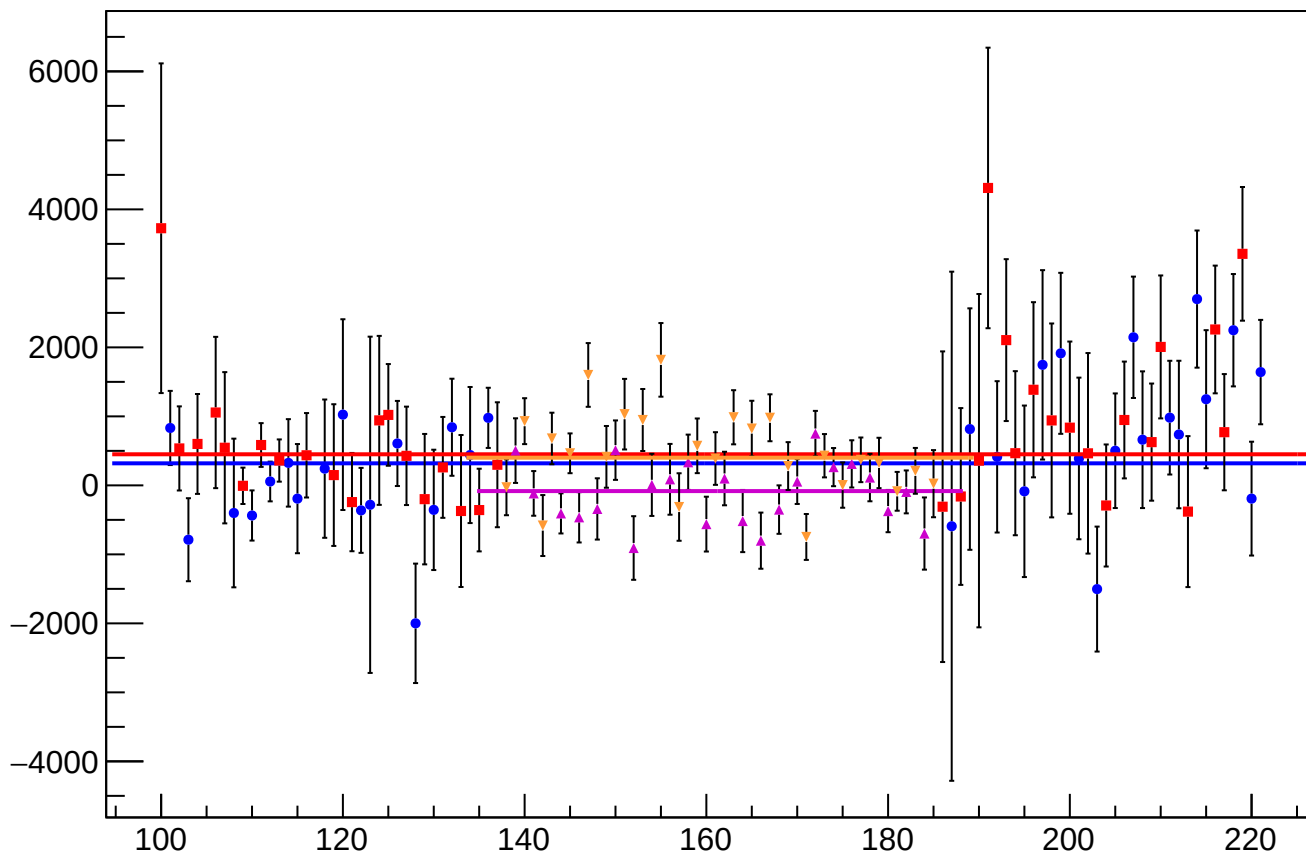
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 916.379+/-0.116 χ^2/NDF : 13779787.6/59

All: 914.392+/-0.083 χ^2/NDF : 27616661.2/11

- sign 912.331+/-0.118 χ^2/NDF : 13836274.3/59

asym_sam7_mean vs Slug



Right In: 319.438 ± 122.484 χ^2/NDF : 50.9/34

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 450.506 ± 116.476 χ^2/NDF : 33.9/36

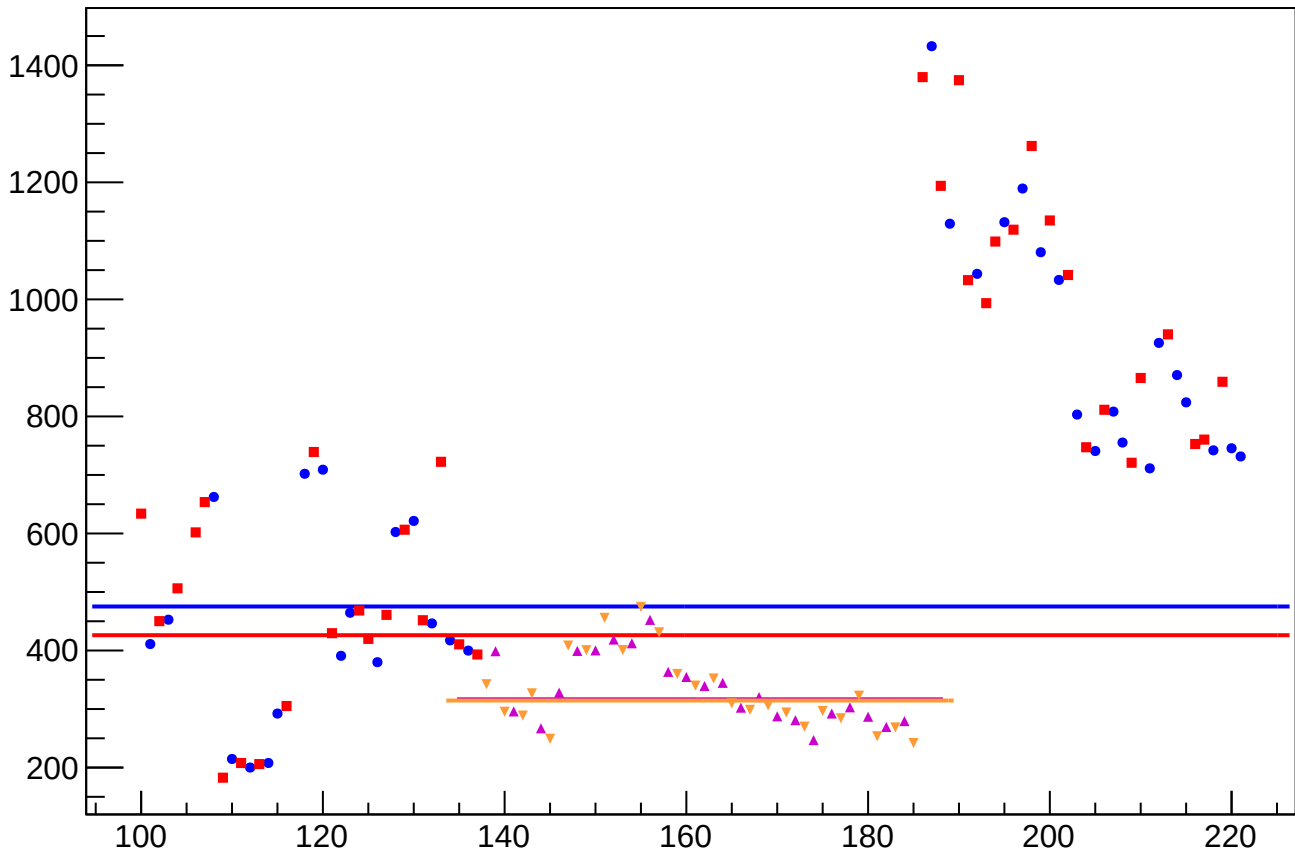
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 378.945 ± 63.680 χ^2/NDF : 103.3/59

All: 230.162 ± 45.203 χ^2/NDF : 191.7/119

- sign 79.044 ± 64.177 χ^2/NDF : 77.4/59

asym_sam7_rms vs Slug



Right In: 475.231 ± 0.087 χ^2/NDF : 9518749.1/34

Left Out: 314.538 ± 0.053 χ^2/NDF : 1112445.6/24

Right Out: 426.178 ± 0.082 χ^2/NDF : 12030222.4/36

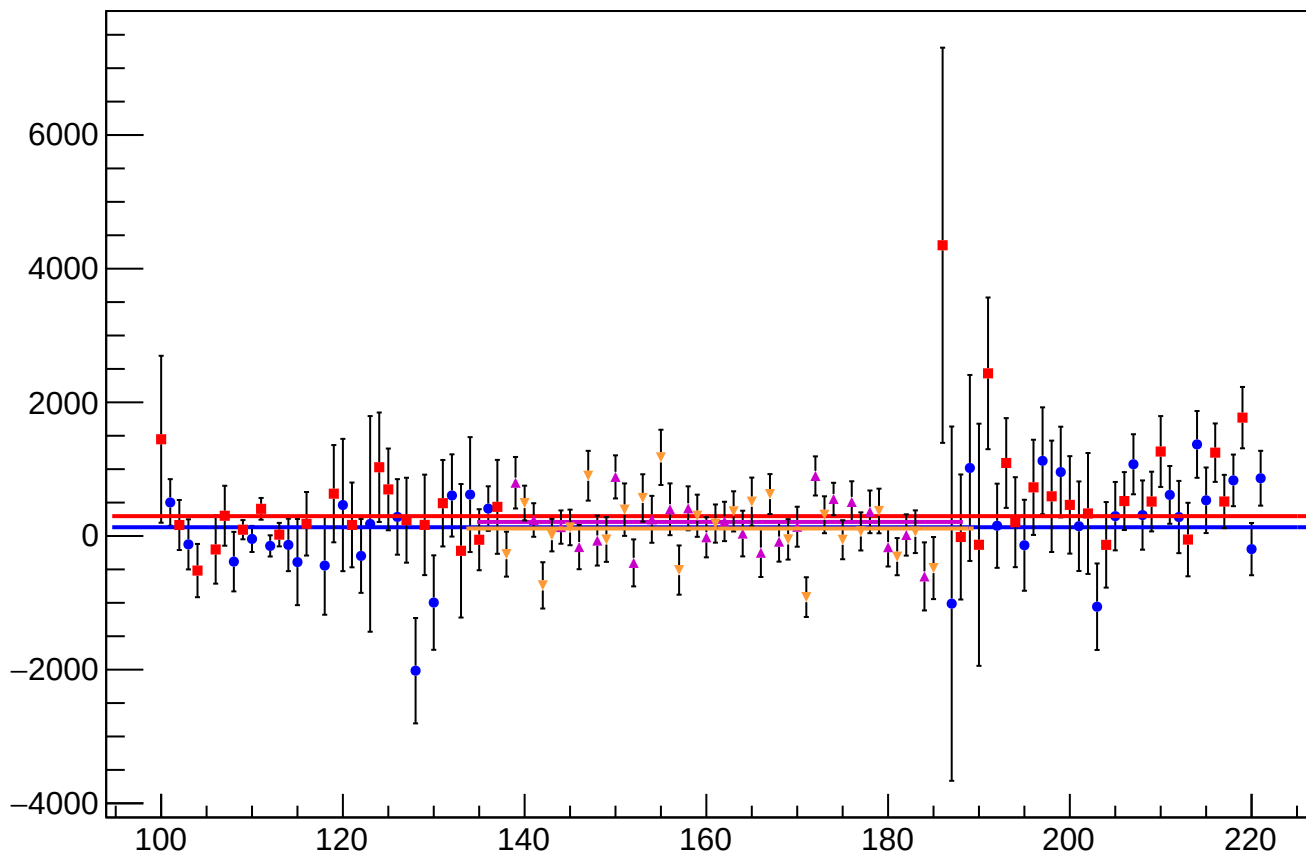
Left In: 316.647 ± 0.054 χ^2/NDF : 920874.0/22

+ sign 357.973 ± 0.045 χ^2/NDF : 13143125.3/59

All: 353.967 ± 0.032 χ^2/NDF : 27341839.1/11

- sign 349.899 ± 0.045 χ^2/NDF : 14182765.0/59

asym_sam8_mean vs Slug



Right In: 131.069 $\pm$ 73.744 χ^2 /NDF: 48.1/34

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

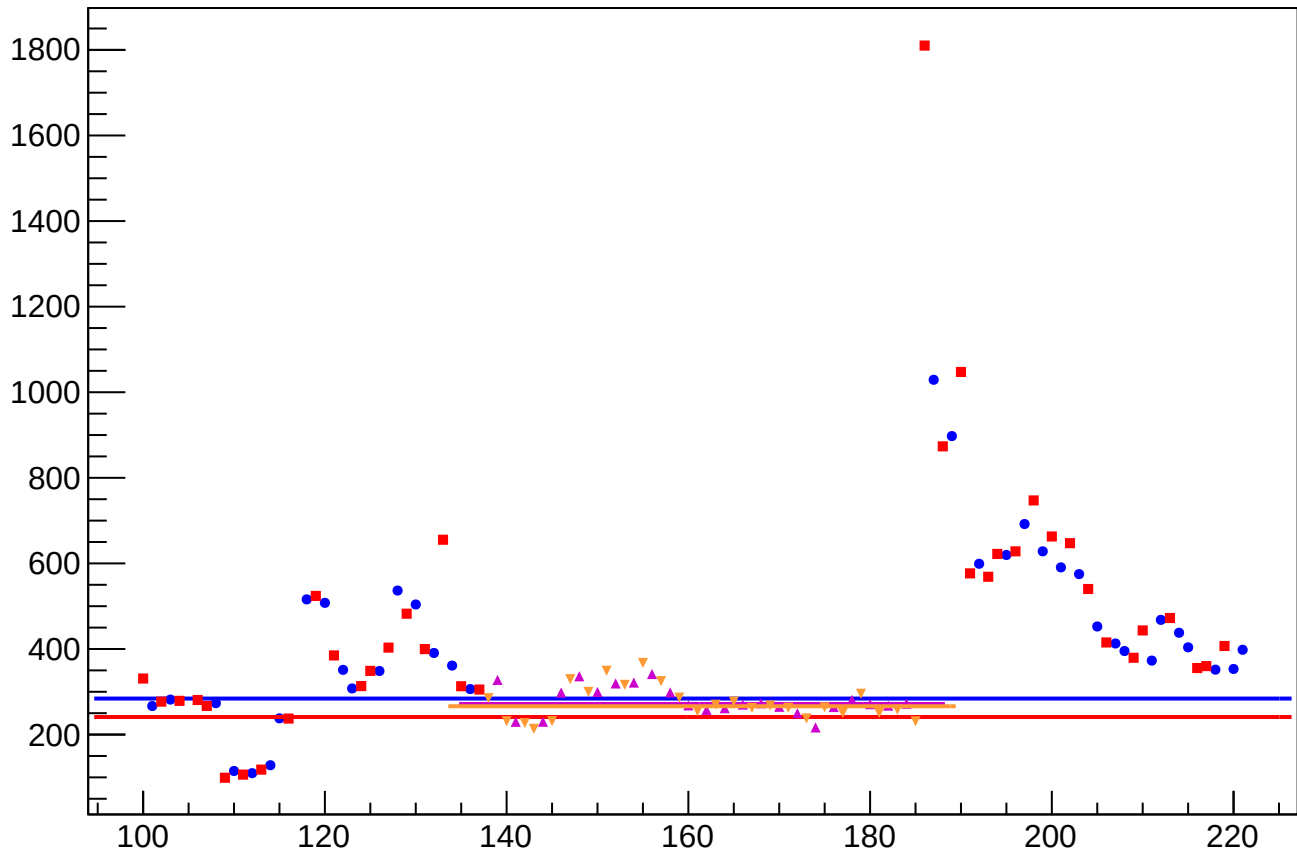
Left In: 210.453 $\pm$ 65.510 χ^2 /NDF: 29.2/22

+ sign 120.133 $\pm$ 47.743 χ^2 /NDF: 97.2/59

All: 187.115 $\pm$ 33.525 χ^2 /NDF: 172.3/119

- sign 252.273 $\pm$ 47.088 χ^2 /NDF: 71.2/59

asym_sam8_rms vs Slug



Right In: 284.166 $\pm$ 0.052 χ^2 /NDF: 9857182.0/34

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

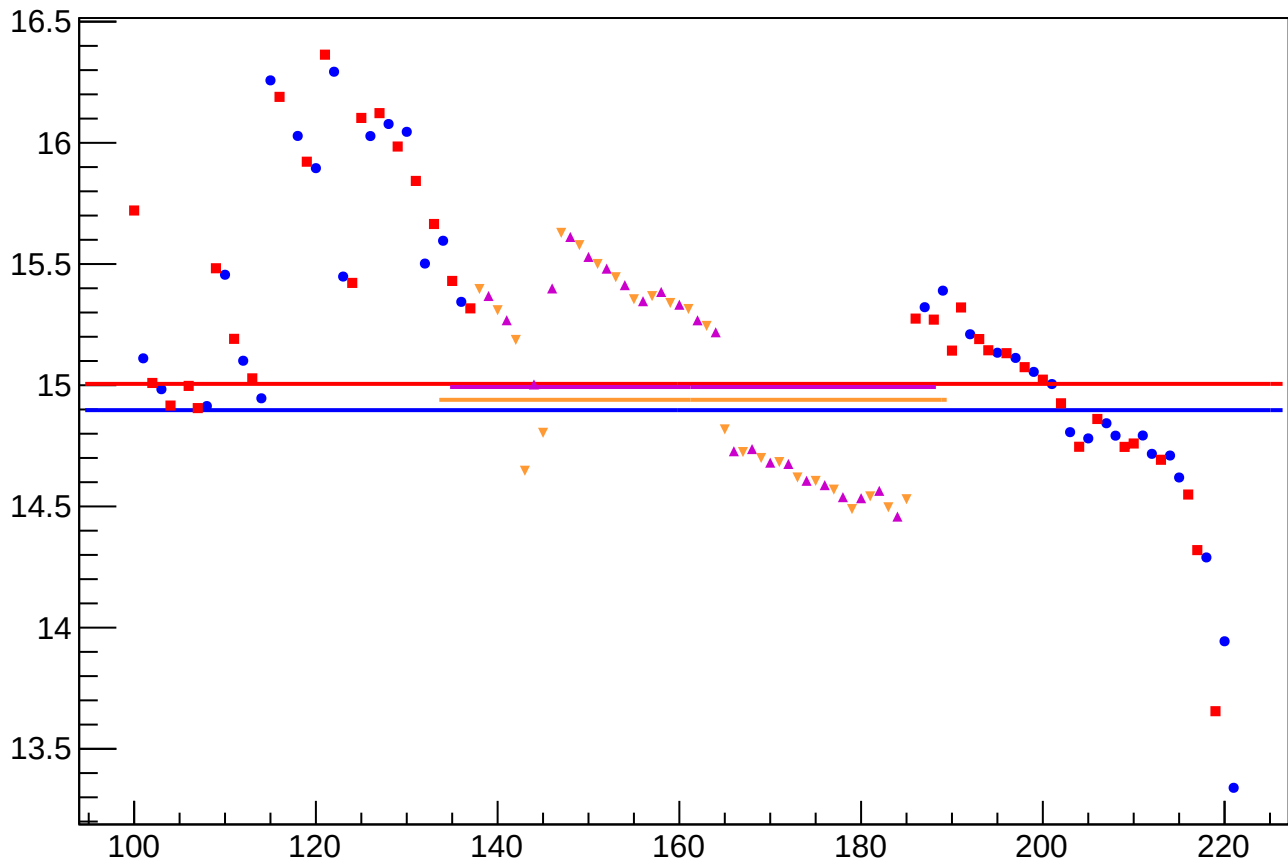
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 273.734 $\pm$ 0.034 χ^2 /NDF: 10575706.5/59

All: 265.115 $\pm$ 0.024 χ^2 /NDF: 24889366.3/1

- sign 256.730 $\pm$ 0.033 χ^2 /NDF: 14185056.1/59

yield_sam1_mean vs Slug



Right In: 14.897 $\pm$ 0.000 χ^2 /NDF: 55799989038.6/34

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

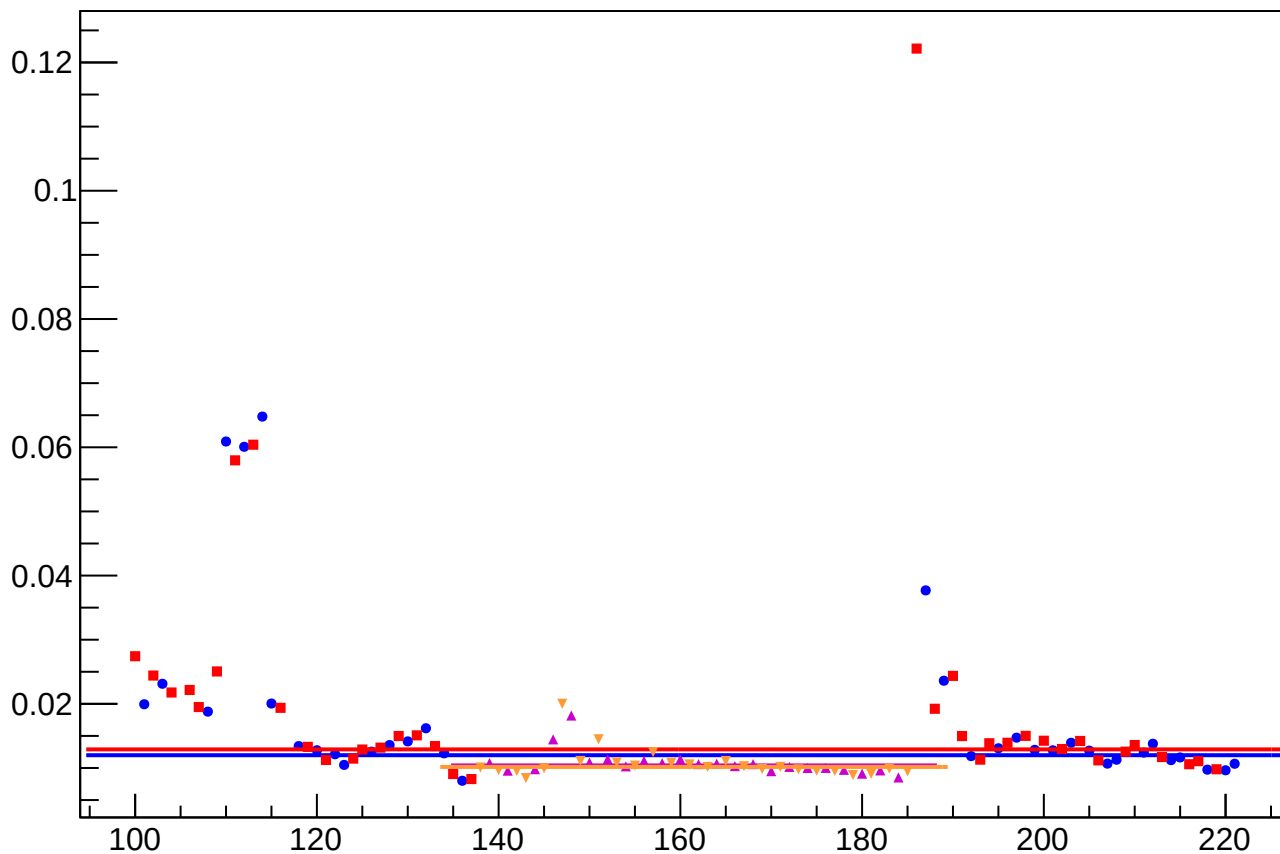
Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

+ sign 14.922 $\pm$ 0.000 χ^2 /NDF: 80127875337.3/59

All: 14.957 $\pm$ 0.000 χ^2 /NDF: 142899936149.

- 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 : 2865237.6/34

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

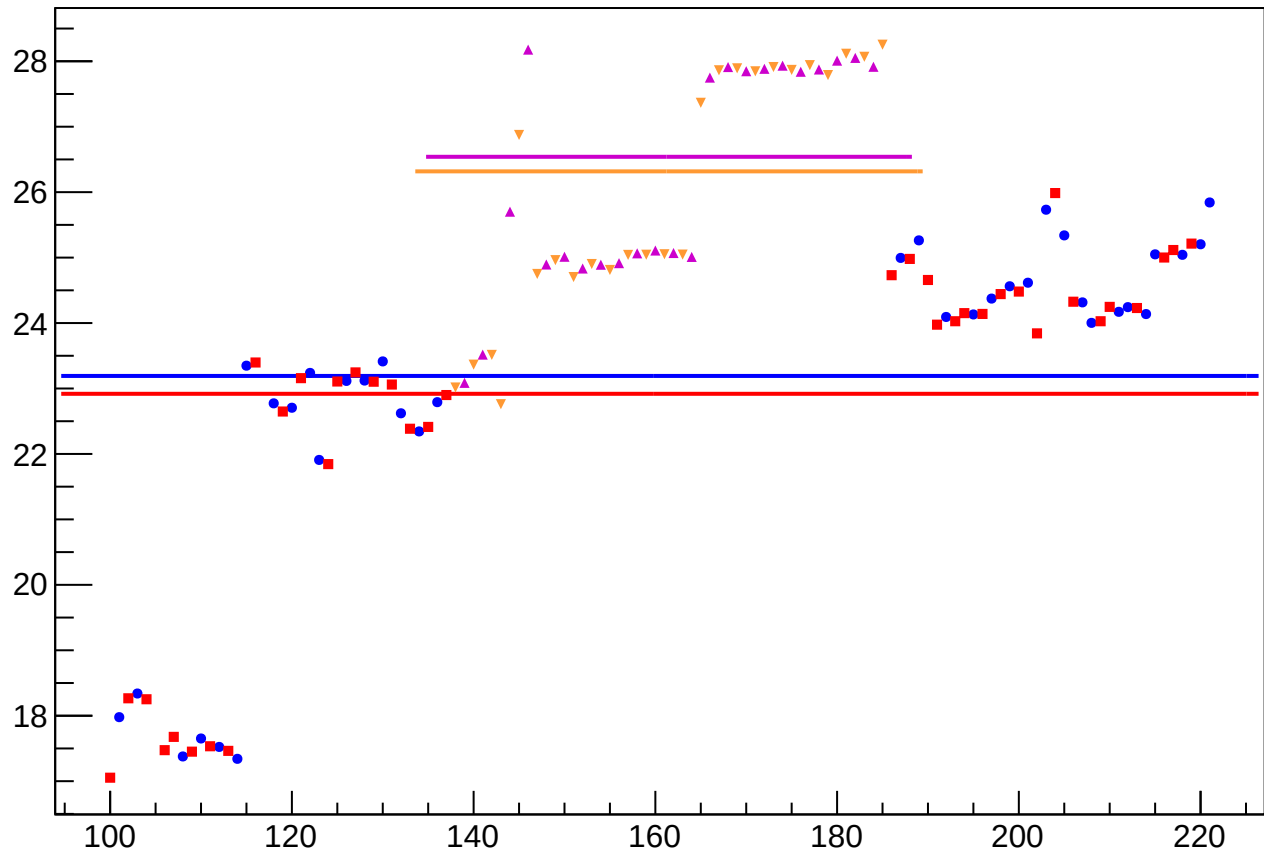
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 4054506.4/59

All: 0.011 $\pm$ 0.000 χ^2/NDF : 8866018.0/119

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 4754463.6/59

yield_sam2_mean vs Slug



Right In: 23.192+/-0.000 χ^2/NDF : 1706810818.8/34

Left Out: 26.318+/-0.000 χ^2/NDF : 4715403741.0/24

Right Out: 22.919+/-0.000 χ^2/NDF : 1800470020.3/36

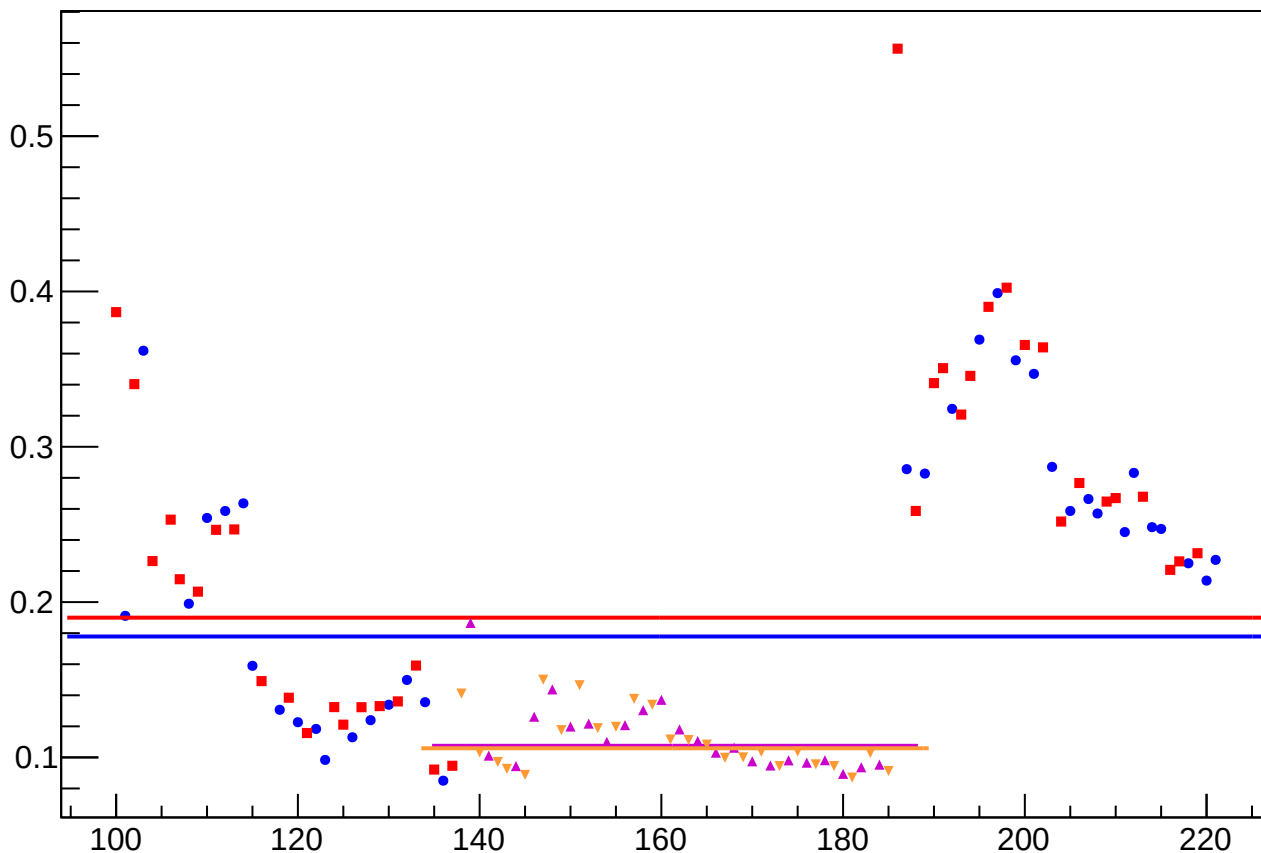
Left In: 26.540+/-0.000 χ^2/NDF : 3309392772.6/22

+ sign 25.518+/-0.000 χ^2/NDF : 9946453133.7/59

All: 25.581+/-0.000 χ^2/NDF : 19245285482.0

- sign 25.651+/-0.000 χ^2/NDF : 9282998921.6/59

yield_sam2_rms vs Slug



Right In: 0.178 $\pm$ 0.000 χ^2 /NDF: 6646713.0/34

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 732883.8/24

Right Out: 0.190 $\pm$ 0.000 χ^2 /NDF: 6167642.1/36

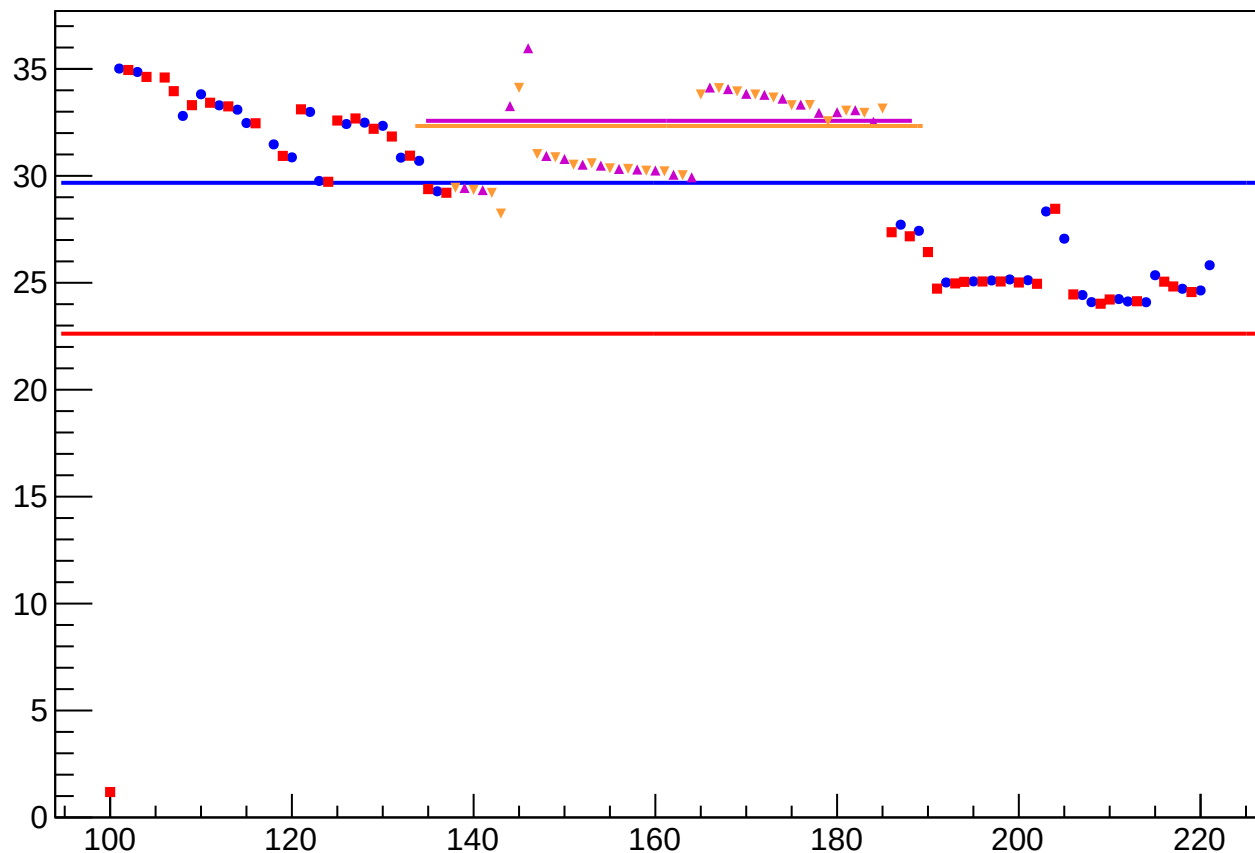
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF: 771132.0/22

+ sign 0.124 $\pm$ 0.000 χ^2 /NDF: 11116166.1/59

All: 0.126 $\pm$ 0.000 χ^2 /NDF: 22408671.8/119

- sign 0.128 $\pm$ 0.000 χ^2 /NDF: 11271108.6/59

yield_sam3_mean vs Slug



Right In: 29.675+/-0.000 χ^2 /NDF: 12752217110.6/34

Left Out: 32.331+/-0.000 χ^2 /NDF:12850475096.2/24

Right Out: 22.621+/-0.000 χ^2 /NDF: 232676444189.4/36

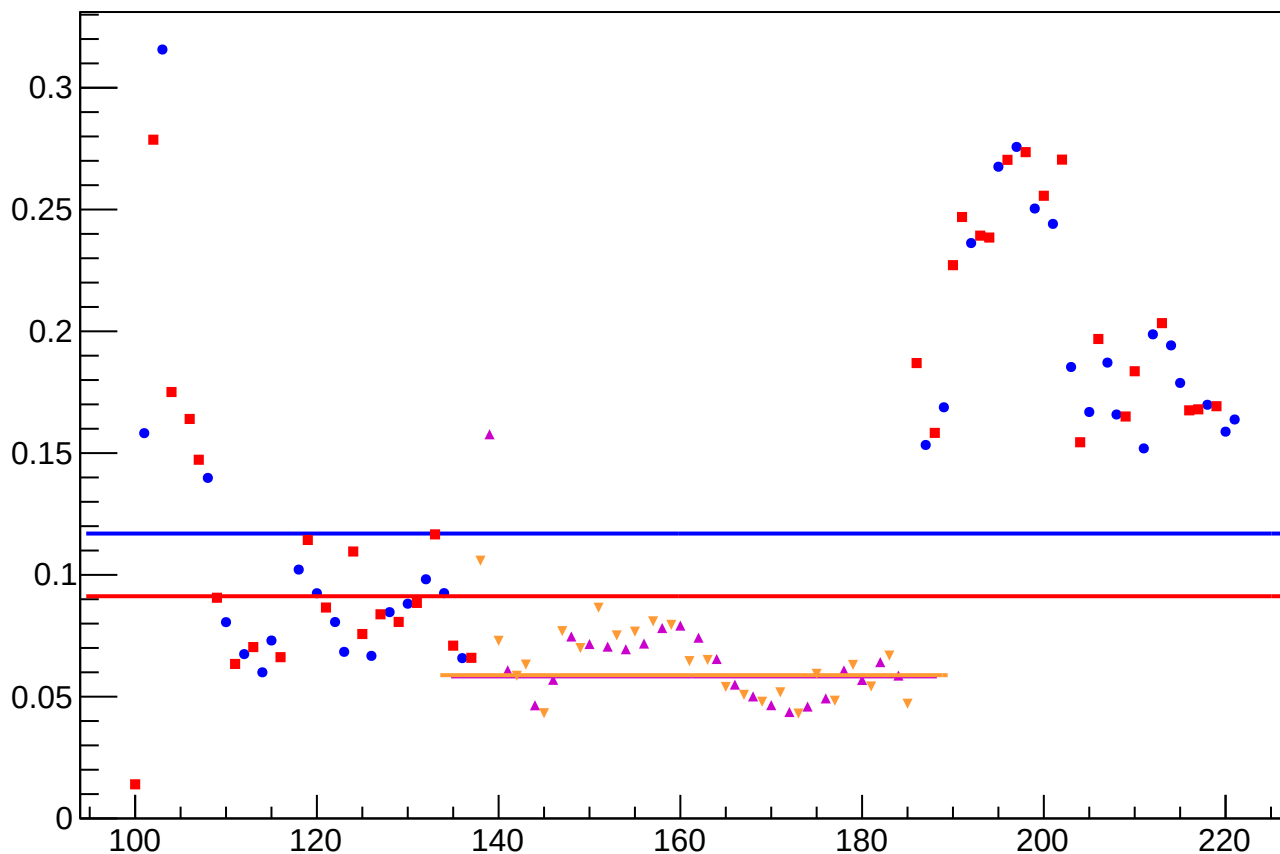
Left In: 32.574+/-0.000 χ^2 /NDF:11797772603.7/22

+ sign 31.778+/-0.000 χ^2 /NDF: 31624776457.3/59

All: 30.873+/-0.000 χ^2 /NDF: 385309873792.

- sign 29.989+/-0.000 χ^2 /NDF: 345314889017.8/59

yield_sam3_rms vs Slug



Right In: 0.117 $\pm$ 0.000 χ^2 /NDF: 7123261.5/34

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.091 $\pm$ 0.000 χ^2 /NDF: 12829404.6/36

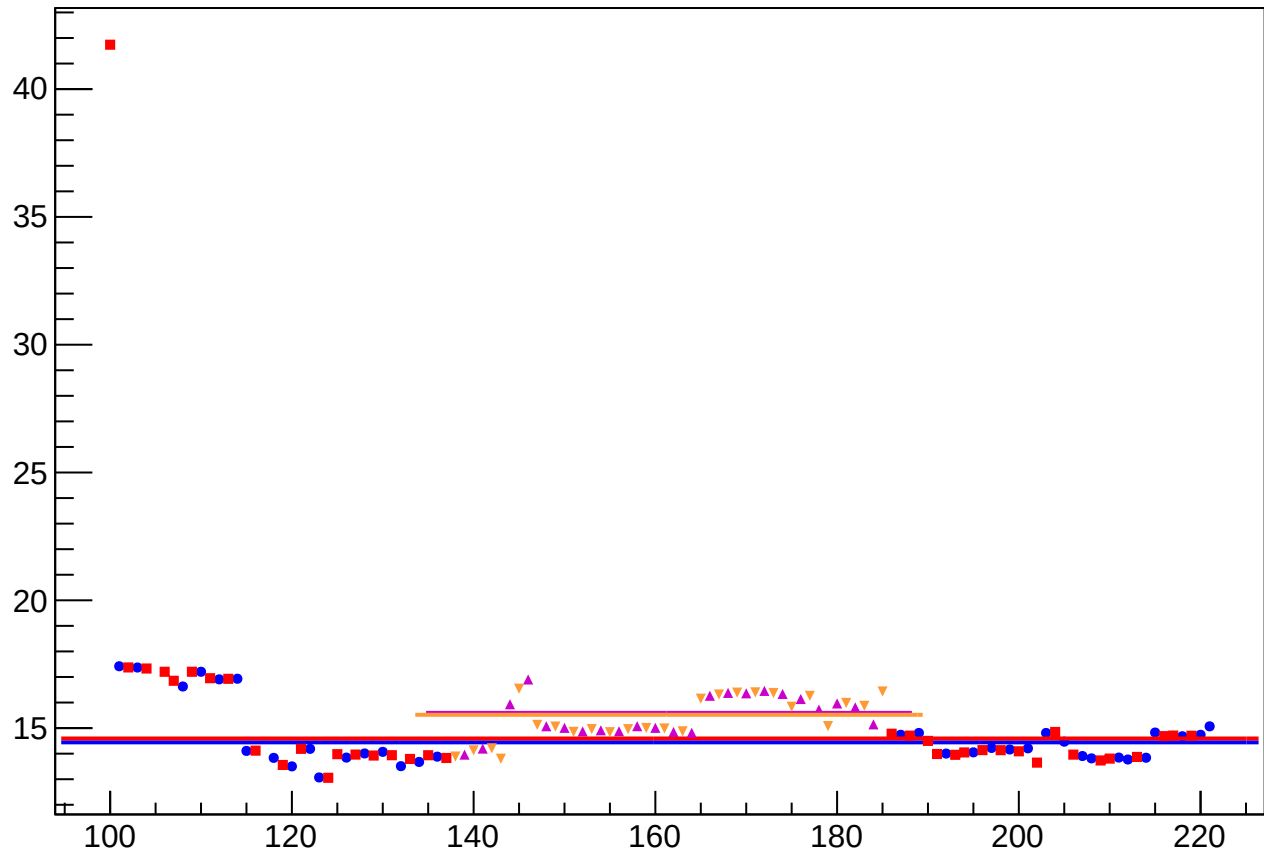
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.071 $\pm$ 0.000 χ^2 /NDF: 14295045.9/59

All: 0.069 $\pm$ 0.000 χ^2 /NDF: 30943721.3/119

- sign 0.067 $\pm$ 0.000 χ^2 /NDF: 16561743.2/59

yield_sam4_mean vs Slug



Right In: 14.443+/-0.000 χ^2/NDF : 1588670234.7/34

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.593+/-0.000 χ^2/NDF : 2039608223.4/36

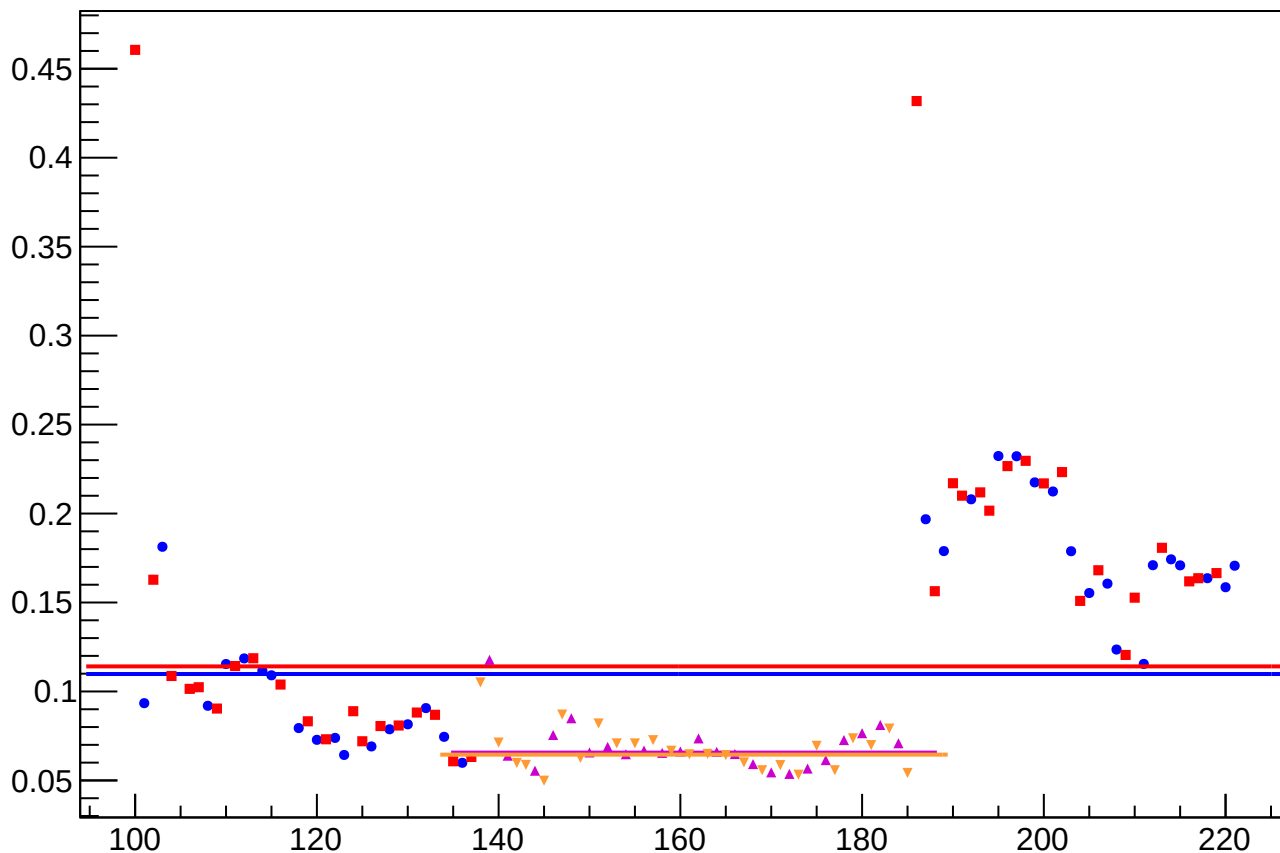
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.243+/-0.000 χ^2/NDF : 5304986855.5/59

All: 15.289+/-0.000 χ^2/NDF : 10160501544.7

- sign 15.338+/-0.000 χ^2/NDF : 4833532638.3/59

yield_sam4_rms vs Slug



Right In: 0.110 $\pm$ 0.000 χ^2 /NDF: 6147364.4/34

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

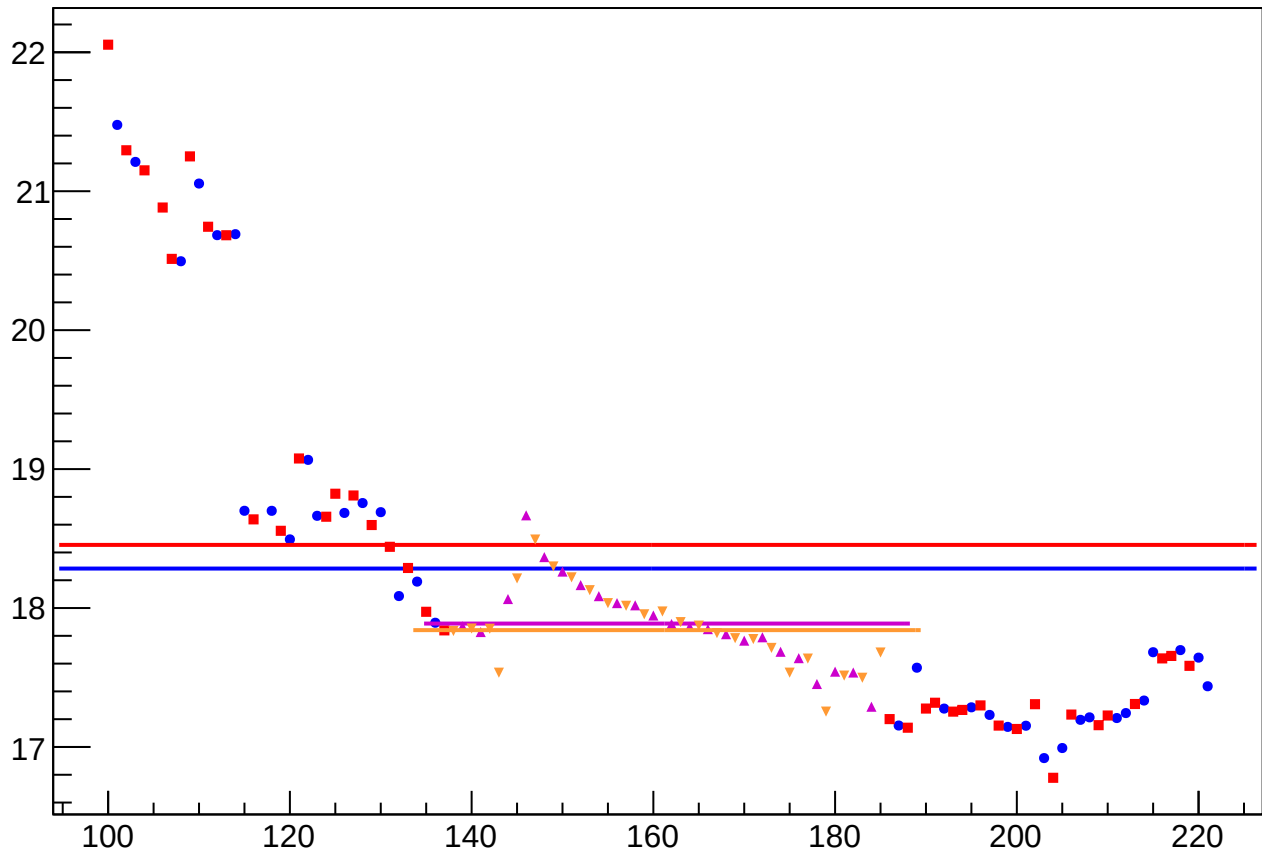
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.076 $\pm$ 0.000 χ^2 /NDF: 10880579.8/59

All: 0.077 $\pm$ 0.000 χ^2 /NDF: 21532481.4/119

- sign 0.078 $\pm$ 0.000 χ^2 /NDF: 10634617.2/59

yield_sam5_mean vs Slug



Right In: 18.284 $\pm$ 0.000 χ^2 /NDF: 33177368717.1/34

Left Out: 17.841 $\pm$ 0.000 χ^2 /NDF: 1283287989.7/24

Right Out: 18.454 $\pm$ 0.000 χ^2 /NDF: 35021506554.5/36

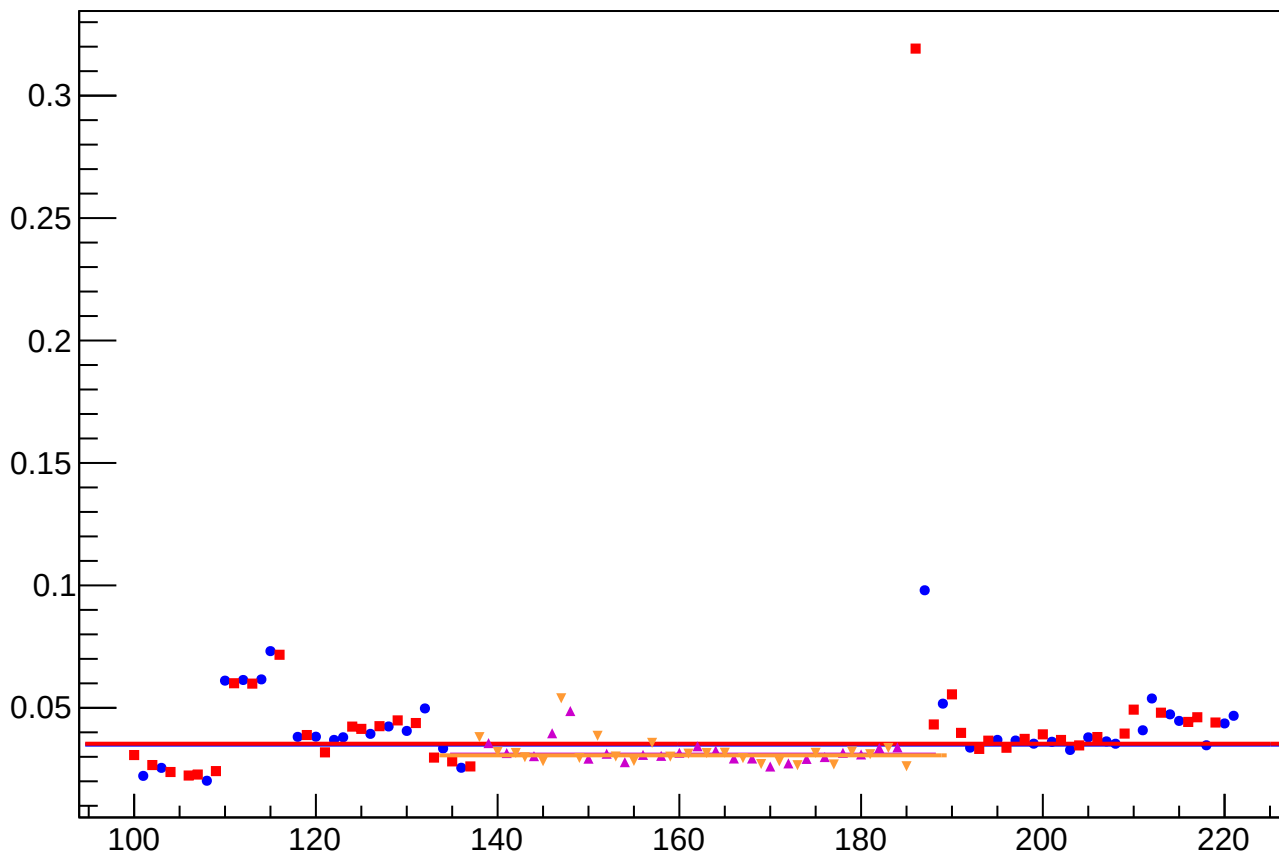
Left In: 17.888 $\pm$ 0.000 χ^2 /NDF: 1203002311.3/22

+ sign 18.035 $\pm$ 0.000 χ^2 /NDF: 36062930919.5/59

All: 18.085 $\pm$ 0.000 χ^2 /NDF: 74915230856.4

- sign 18.138 $\pm$ 0.000 χ^2 /NDF: 38681398067.0/59

yield_sam5_rms vs Slug



Right In: 0.035 $\pm$ 0.000 χ^2 /NDF: 2372279.8/34

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

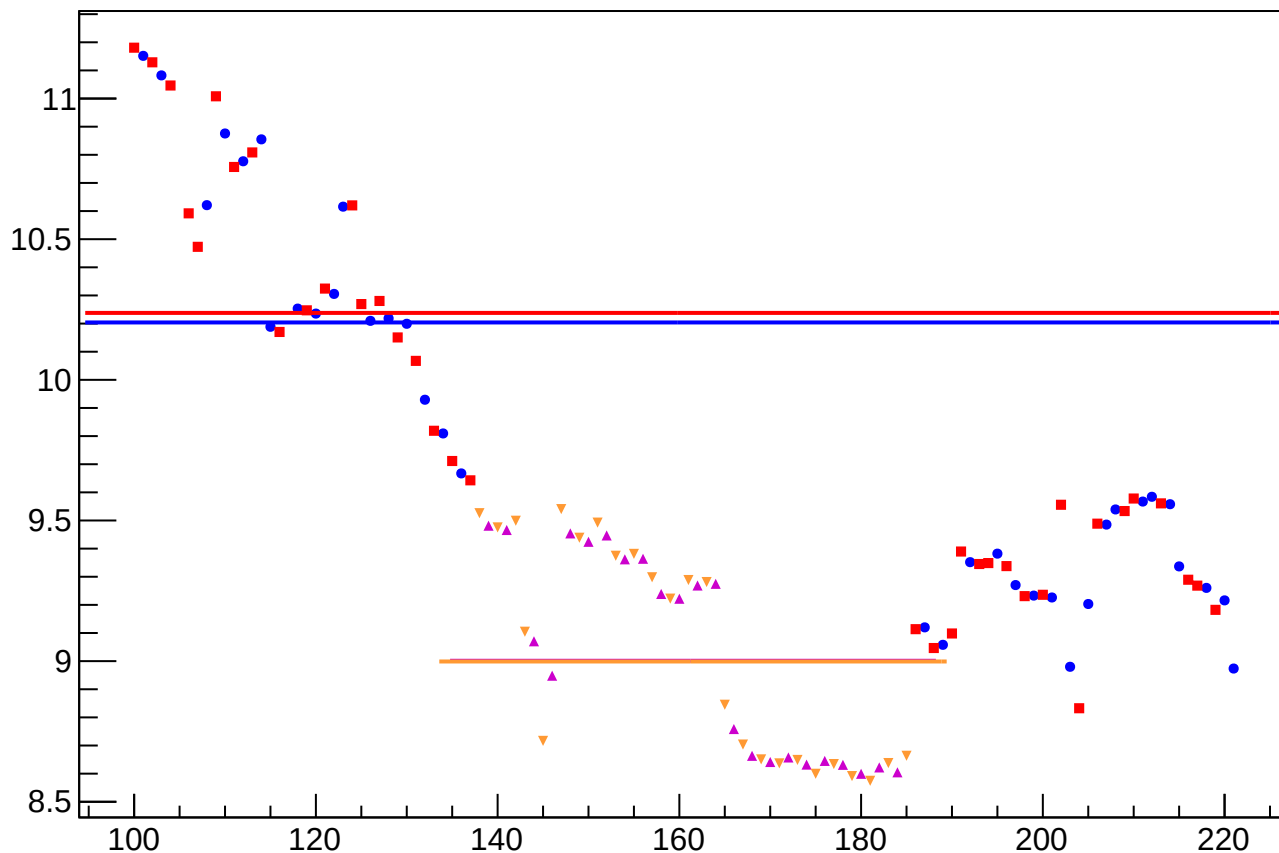
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3274848.3/59

All: 0.033 $\pm$ 0.000 χ^2 /NDF: 6683041.2/119

- sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3404386.2/59

yield_sam6_mean vs Slug



Right In: 10.204 $\pm$ 0.000 χ^2 /NDF: 20403549793.1/34

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

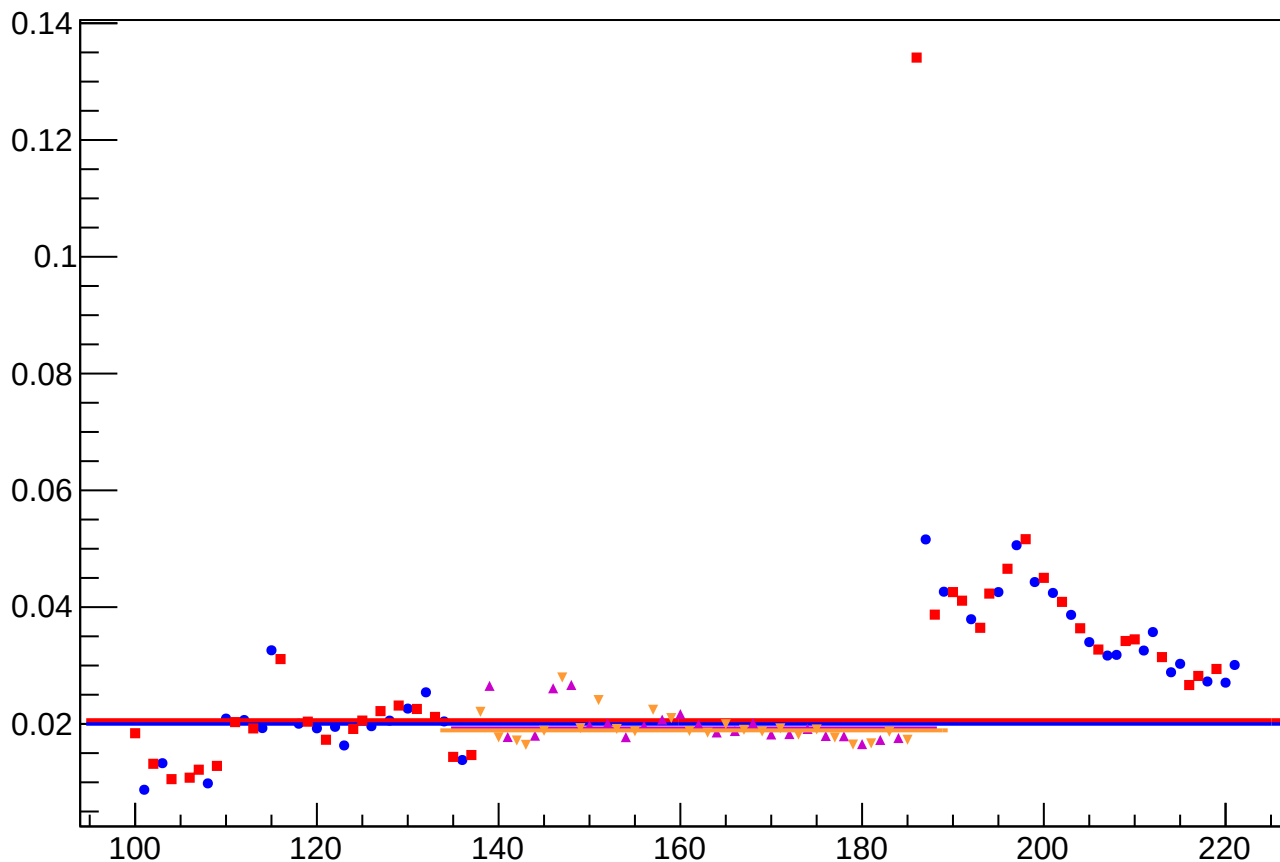
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.530 $\pm$ 0.000 χ^2 /NDF: 56886473544.5/59

All: 9.541 $\pm$ 0.000 χ^2 /NDF: 108397630024.1

- sign 9.553 $\pm$ 0.000 χ^2 /NDF: 51489721024.8/59

yield_sam6_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 7975854.9/34

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:428169.5/24

Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 7544239.5/36

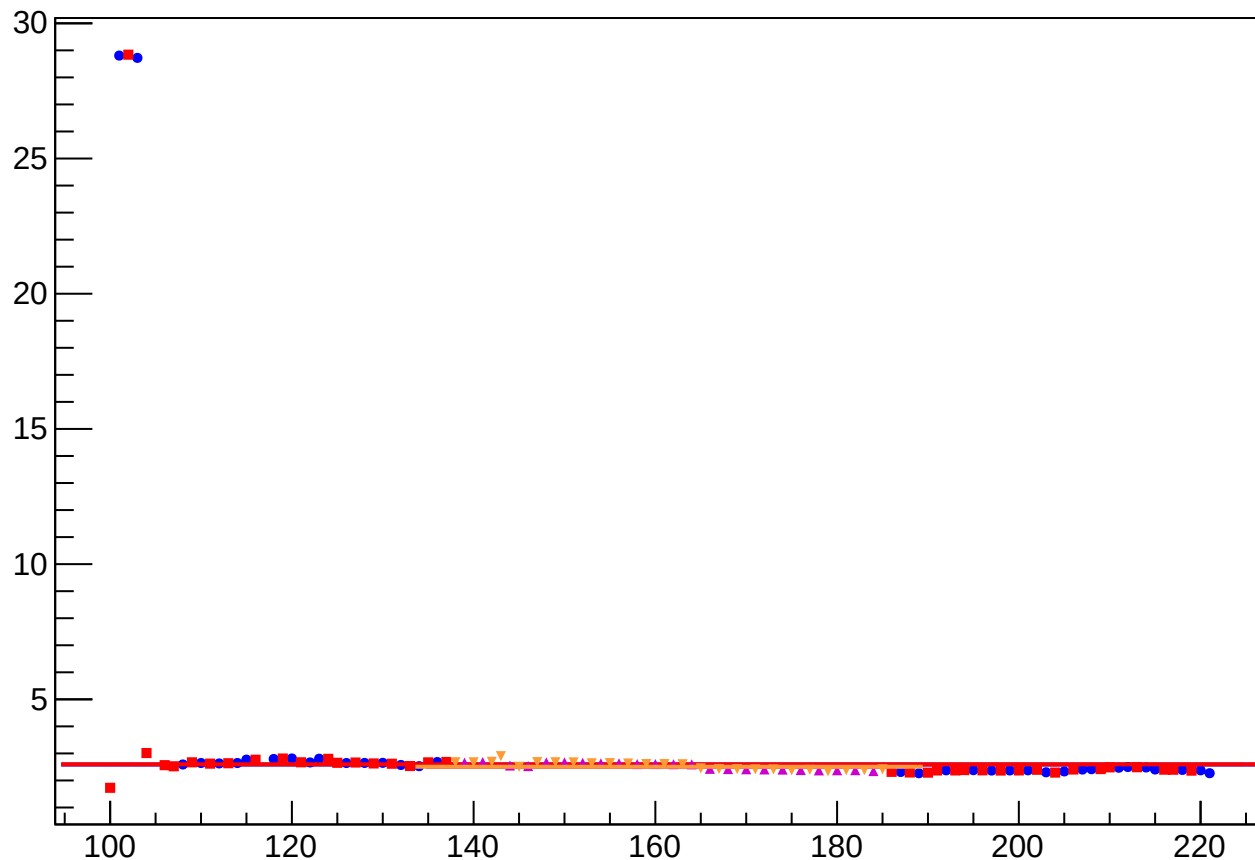
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:481824.0/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 8457394.4/59

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 16576348.8/119

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 8102143.9/59

yield_sam7_mean vs Slug



Right In: 2.589 $\pm$ 0.000 χ^2 /NDF: 193865197262.2/34

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.598 $\pm$ 0.000 χ^2 /NDF: 9675755515.0/36

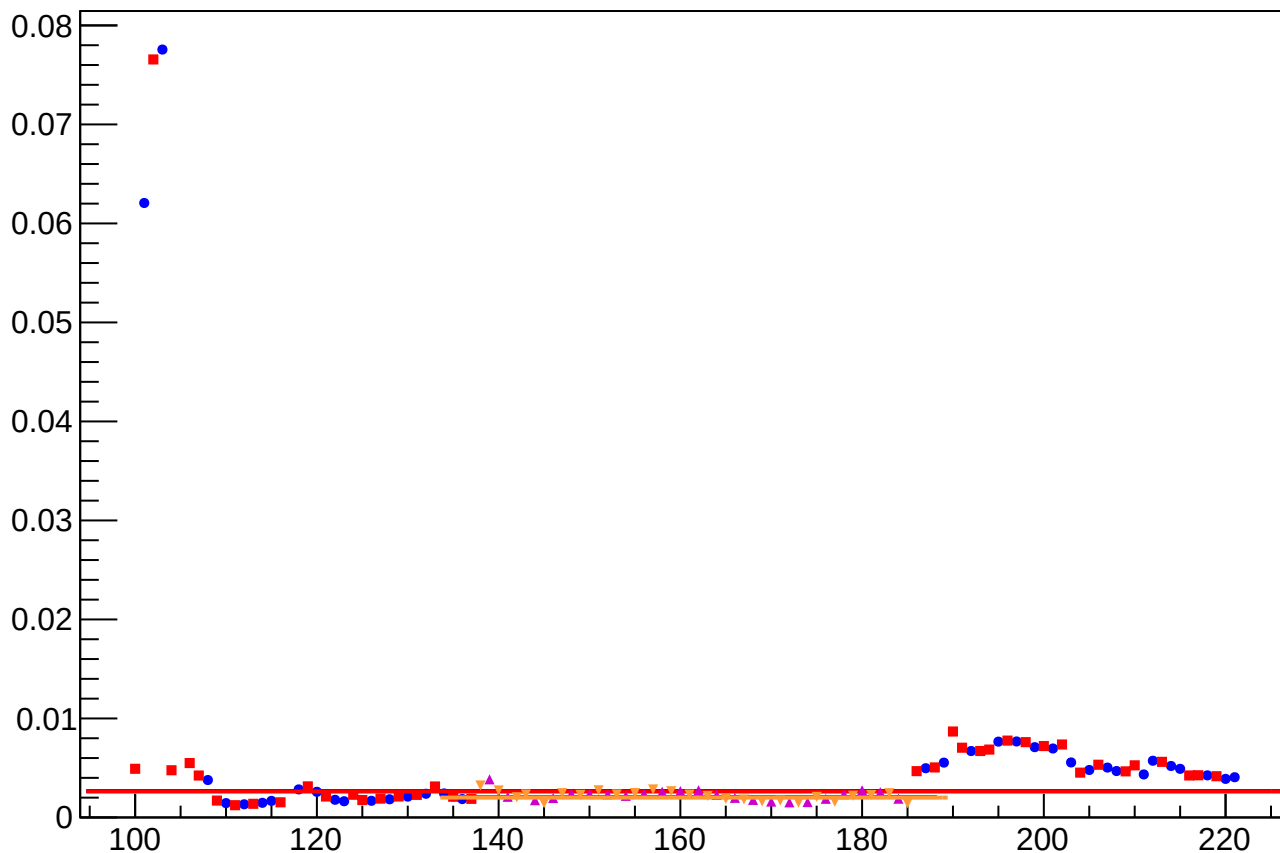
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.534 $\pm$ 0.000 χ^2 /NDF: 266415656406.0/59

All: 2.536 $\pm$ 0.000 χ^2 /NDF: 416084150194.6

- 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: 11197341.7/34

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

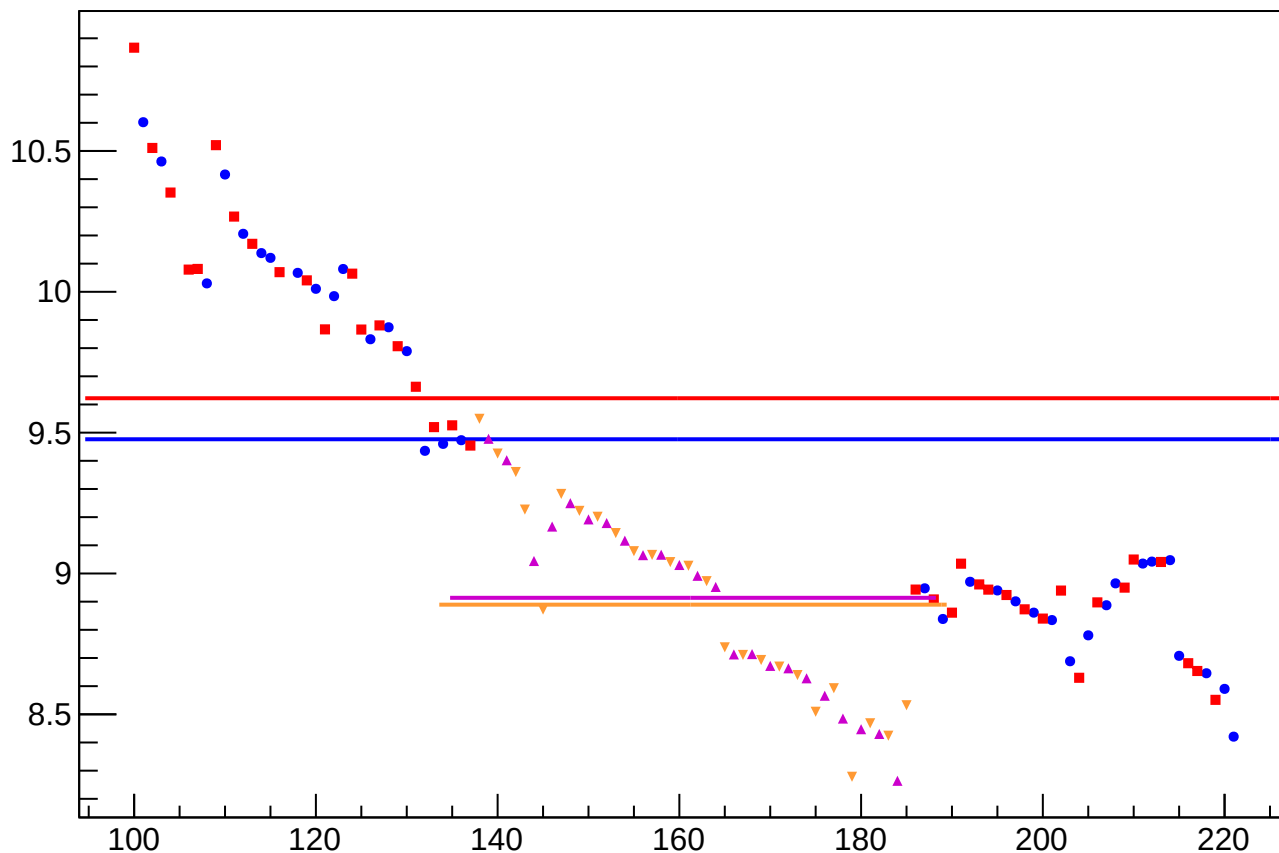
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13731475.7/59

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 26773718.1/119

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13036646.8/59

yield_sam8_mean vs Slug



Right In: 9.477 $\pm$ 0.000 χ^2 /NDF: 137289941592.5/34

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

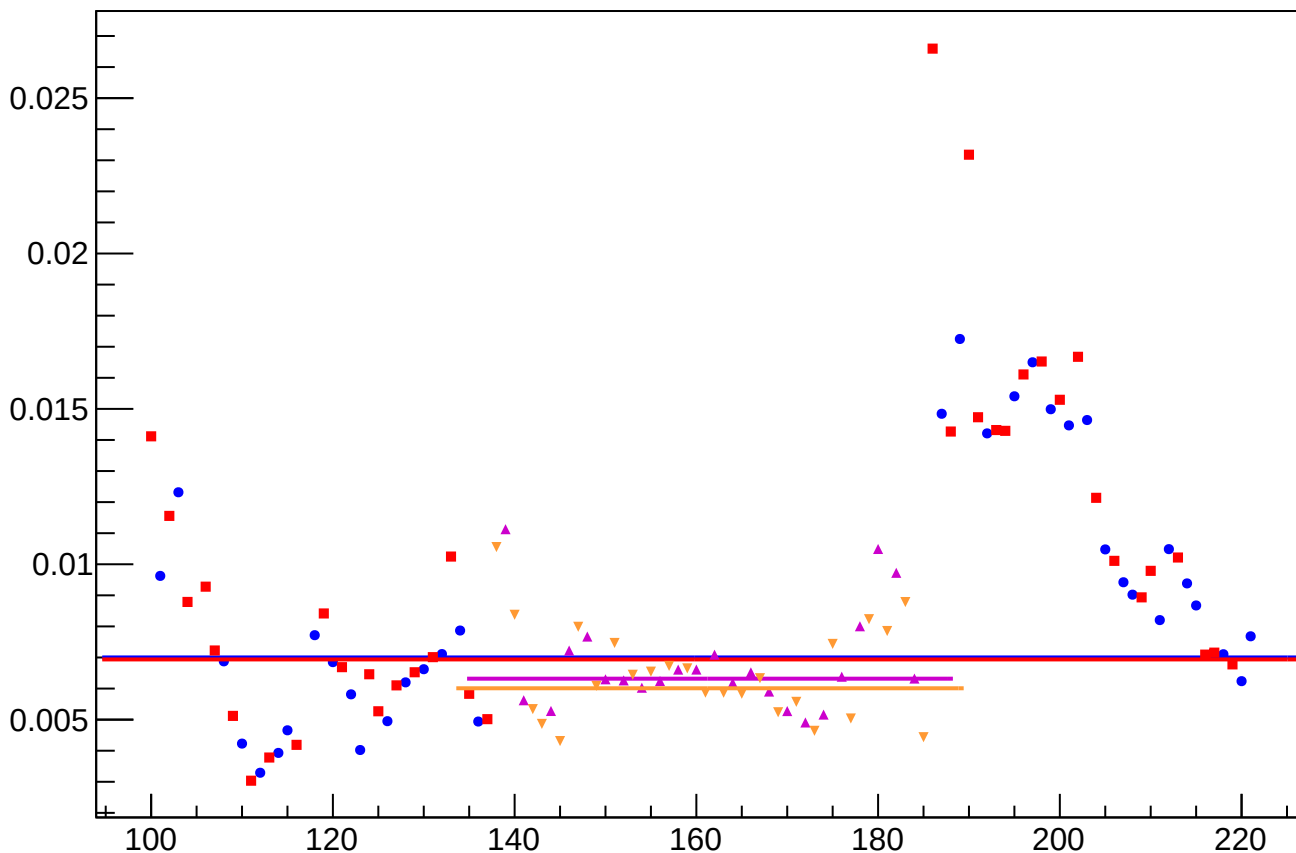
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.146 $\pm$ 0.000 χ^2 /NDF: 232684270394.4/59

All: 9.191 $\pm$ 0.000 χ^2 /NDF: 474959082262.6

- 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: 6131712.3/34

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

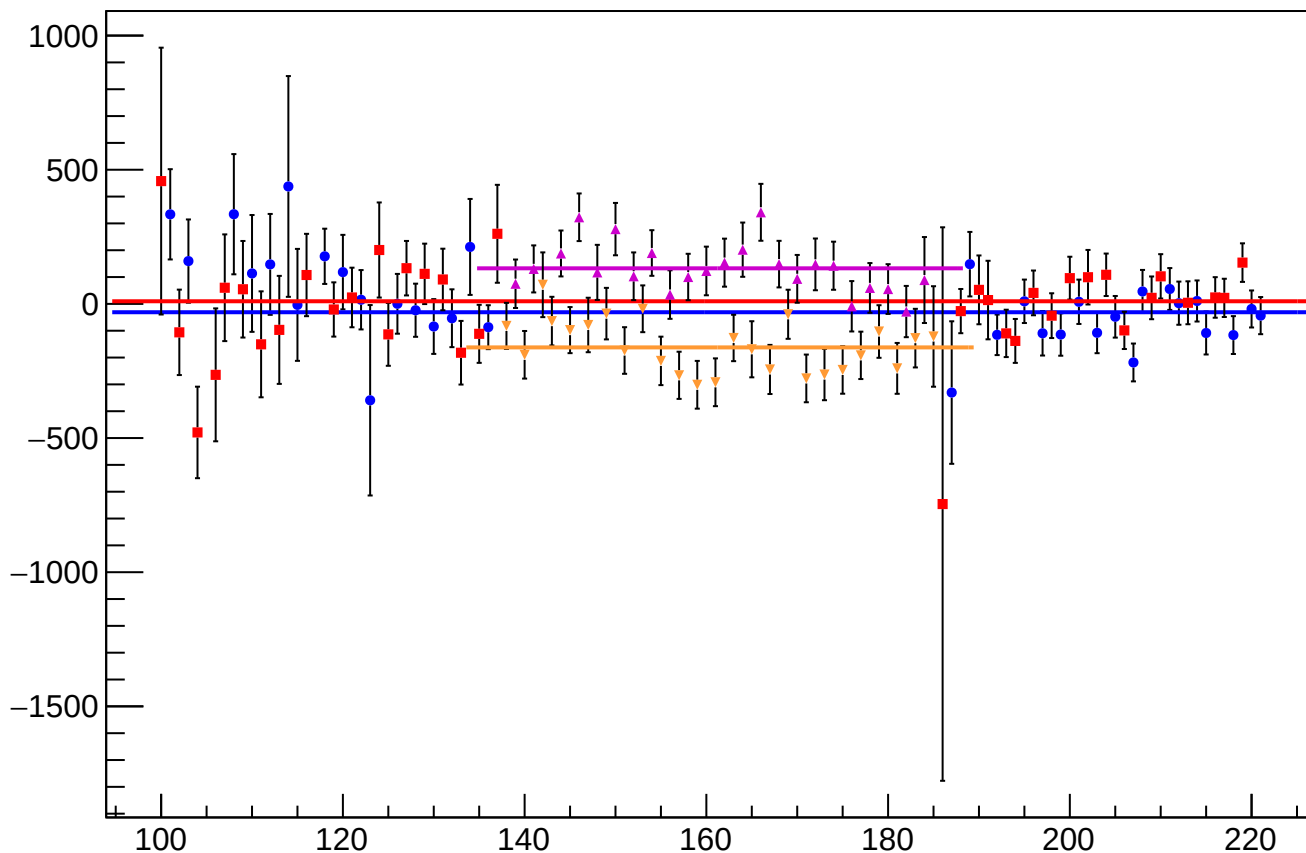
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7790876.1/59

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 16572164.9/119

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8763874.2/59

reg_asym_sam1_mean vs Slug



Right In: -31.104 ± 16.263 χ^2/NDF : 41.0/34

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: 9.790 ± 17.066 χ^2/NDF : 41.0/36

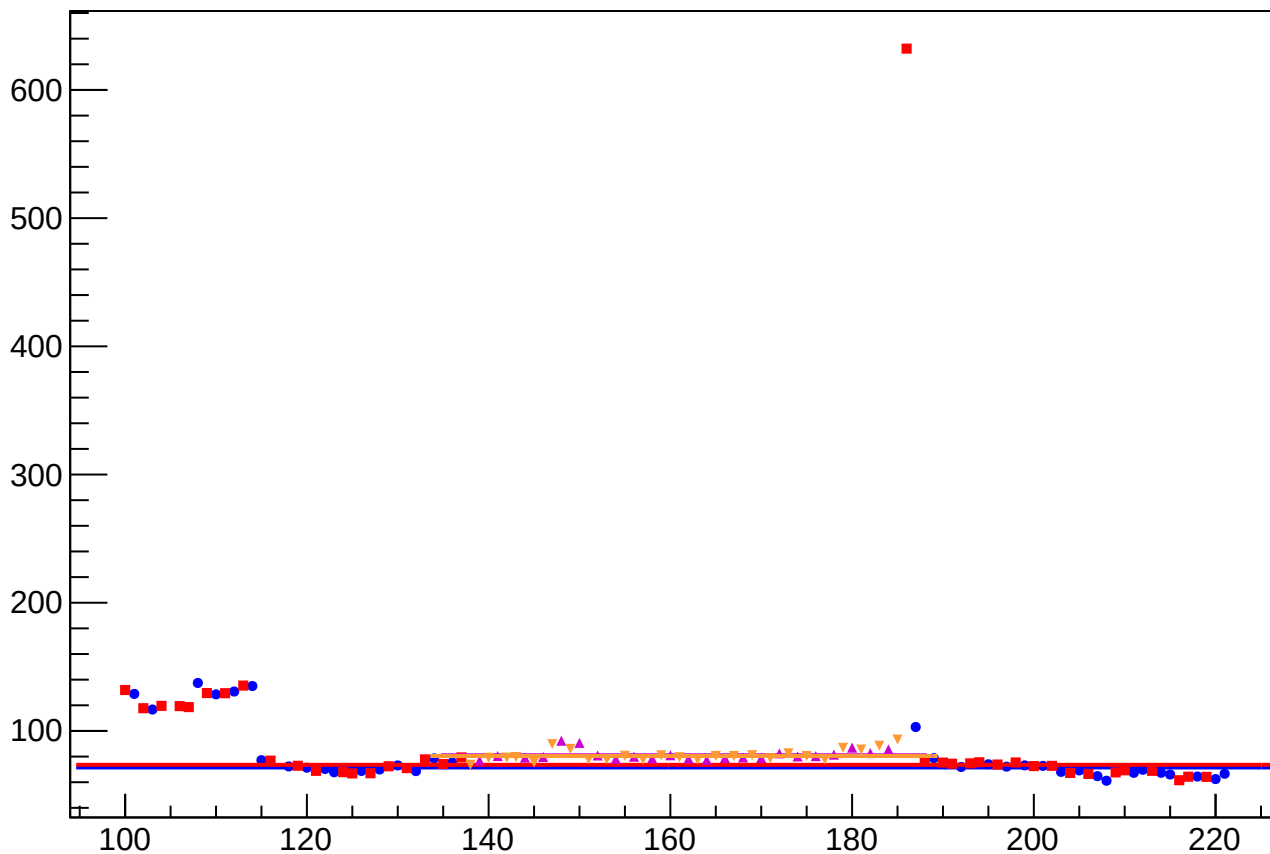
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -87.390 ± 12.284 χ^2/NDF : 94.5/59

All: -15.210 ± 8.868 χ^2/NDF : 251.0/119

- sign 63.339 ± 12.815 χ^2/NDF : 84.3/59

reg_asym_sam1_rms vs Slug



Right In: 71.507 $\pm$ 0.011 χ^2 /NDF: 1154853.5/34

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

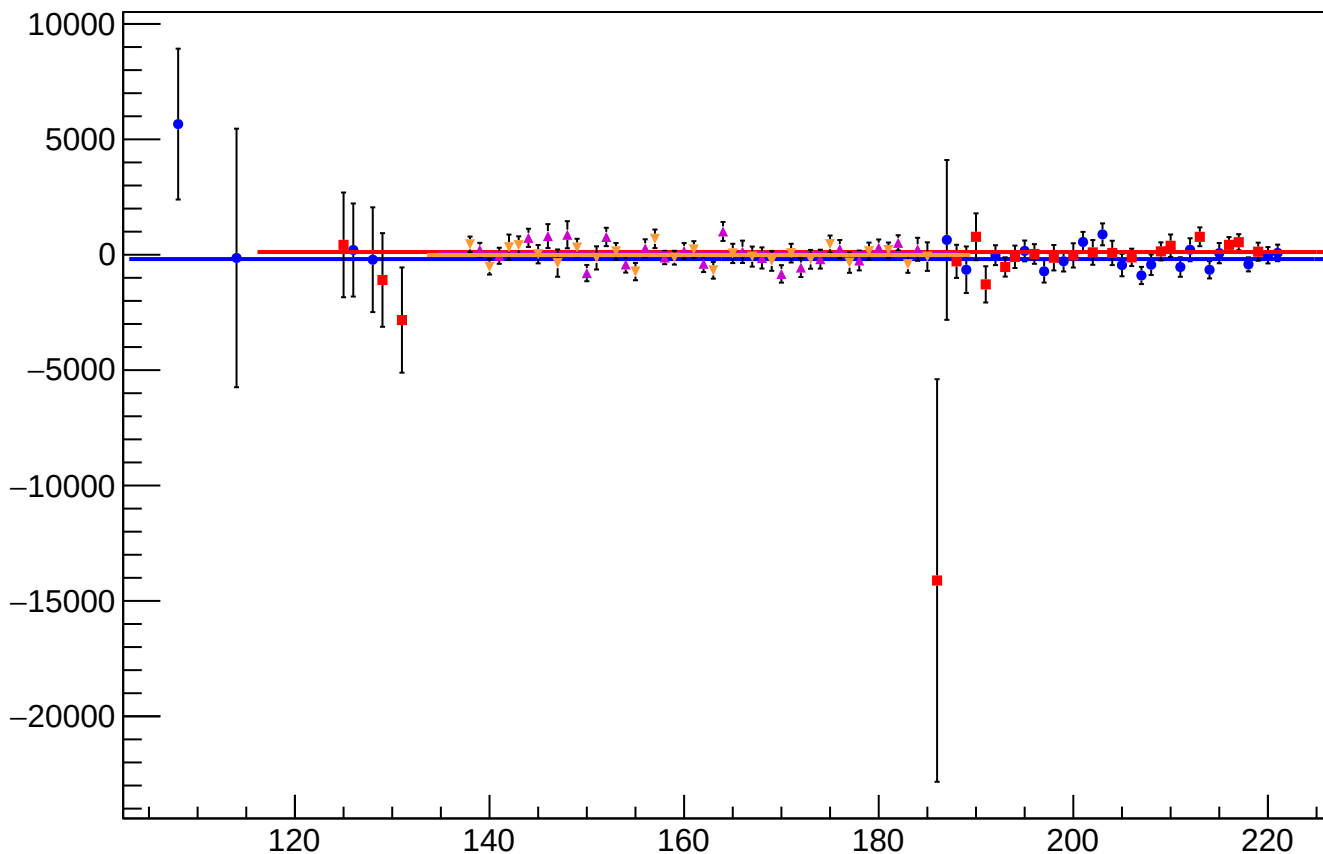
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 75.351 $\pm$ 0.009 χ^2 /NDF: 1505030.2/59

All: 76.057 $\pm$ 0.006 χ^2 /NDF: 3594441.1/119

- sign 76.824 $\pm$ 0.009 χ^2 /NDF: 2075644.8/59

asym_sam1_correction_mean vs Slug



Right In: -187.890 $\pm$ 102.170 χ^2 /NDF: 22.2/21

Left Out: -10.486 $\pm$ 78.391 χ^2 /NDF: 22.5/24

Right Out: 117.508 $\pm$ 110.435 χ^2 /NDF: 17.2/20

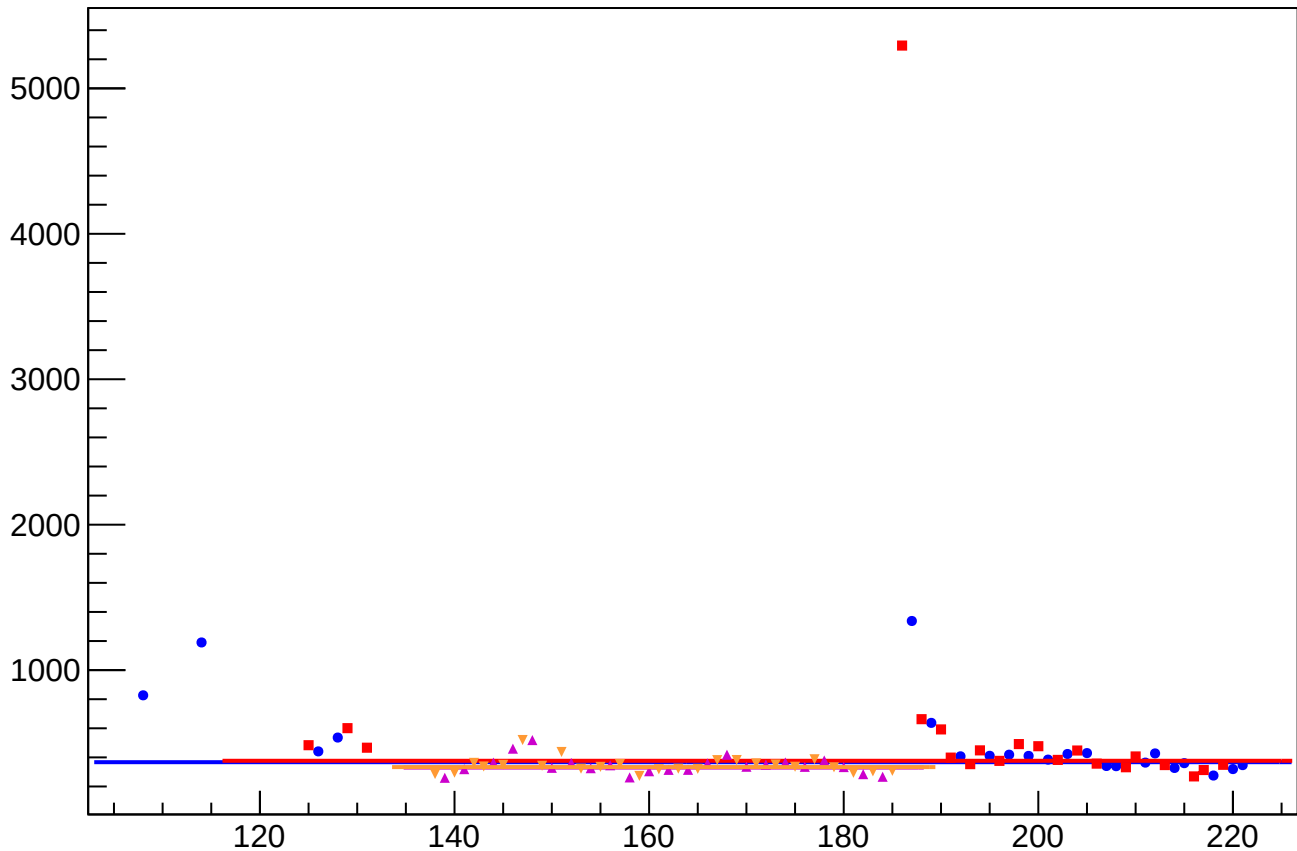
Left In: 64.591 $\pm$ 80.047 χ^2 /NDF: 37.4/22

+ sign -76.223 $\pm$ 62.194 χ^2 /NDF: 46.7/46

All: 0.020 $\pm$ 44.875 χ^2 /NDF: 104.6/90

- sign 82.817 $\pm$ 64.812 χ^2 /NDF: 54.8/43

asym_sam1_correction_rms vs Slug



Right In: 367.003 $\pm$ 0.072 χ^2 /NDF: 833898.8/21

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

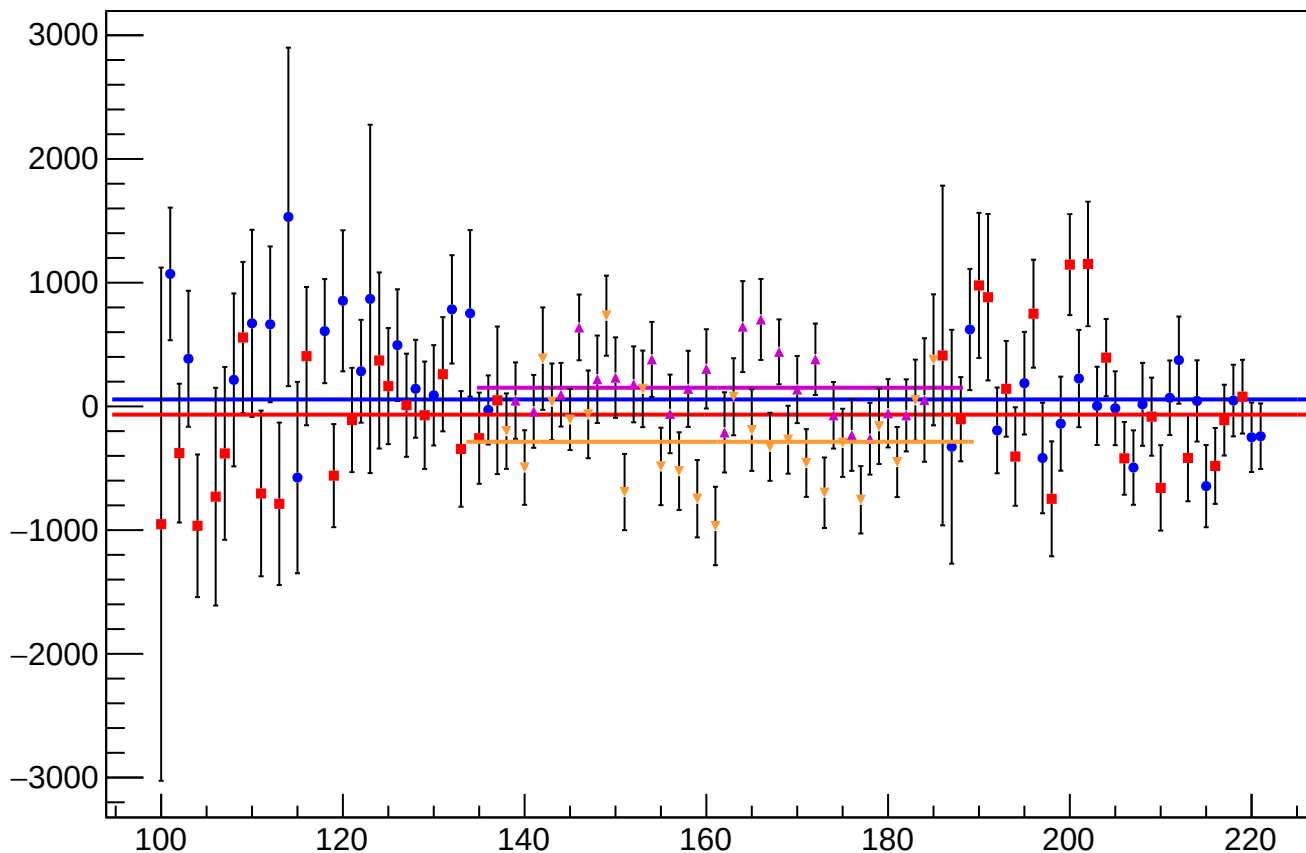
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 345.747 $\pm$ 0.044 χ^2 /NDF: 1563555.8/46

All: 345.906 $\pm$ 0.032 χ^2 /NDF: 4245190.9/90

- sign 346.079 $\pm$ 0.046 χ^2 /NDF: 2681607.8/43

reg_asym_sam2_mean vs Slug



Right In: 56.276 ± 66.936 χ^2/NDF : 31.5/34

Left Out: -286.030 ± 61.095 χ^2/NDF : 36.6/24

Right Out: -66.573 ± 71.024 χ^2/NDF : 47.1/36

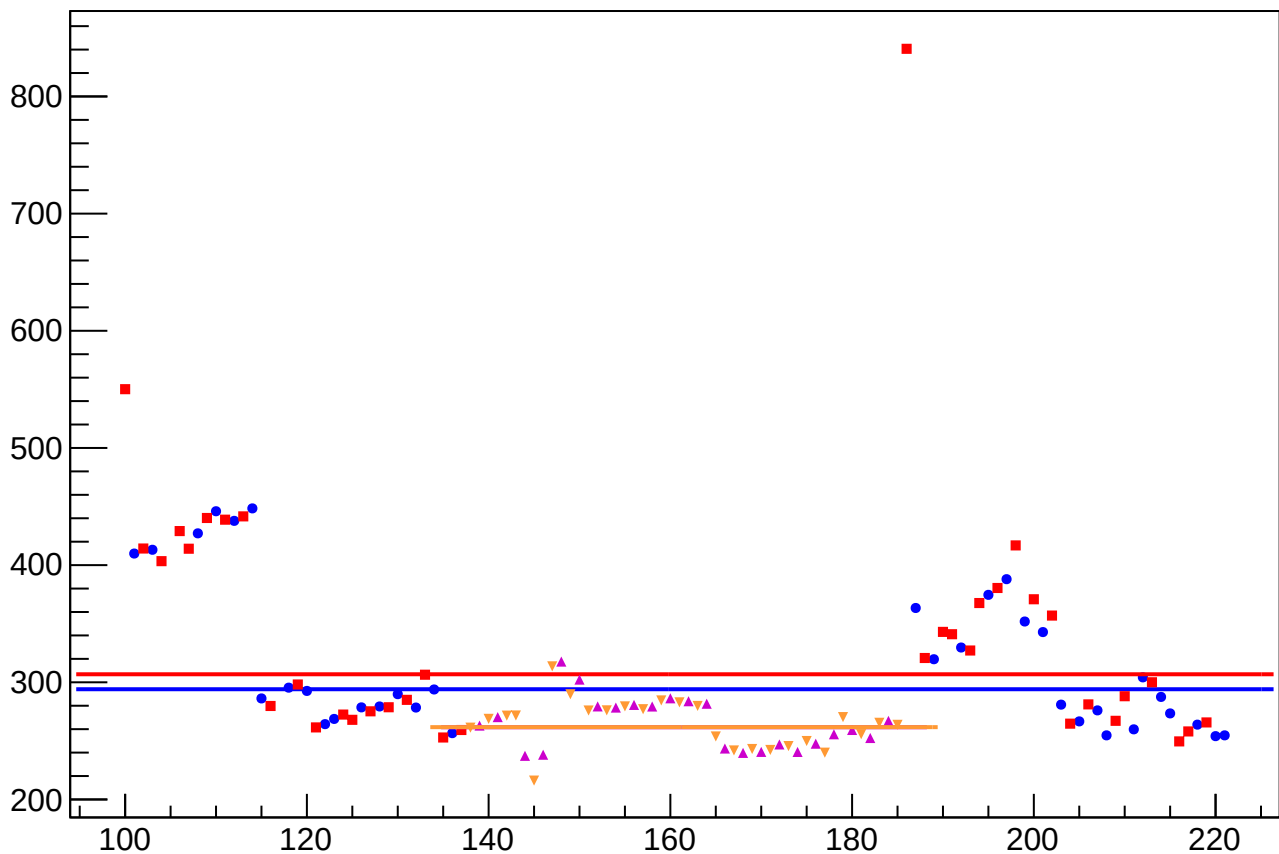
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -130.461 ± 45.124 χ^2/NDF : 82.3/59

All: -41.392 ± 32.569 χ^2/NDF : 161.5/119

- sign 55.459 ± 47.054 χ^2/NDF : 71.0/59

reg_asym_sam2_rms vs Slug



Right In: 294.081+/-0.047 χ^2/NDF : 1000933.6/34

Left Out: 261.722+/-0.043 χ^2/NDF :233222.6/24

Right Out: 306.851+/-0.050 χ^2/NDF : 1491637.0/36

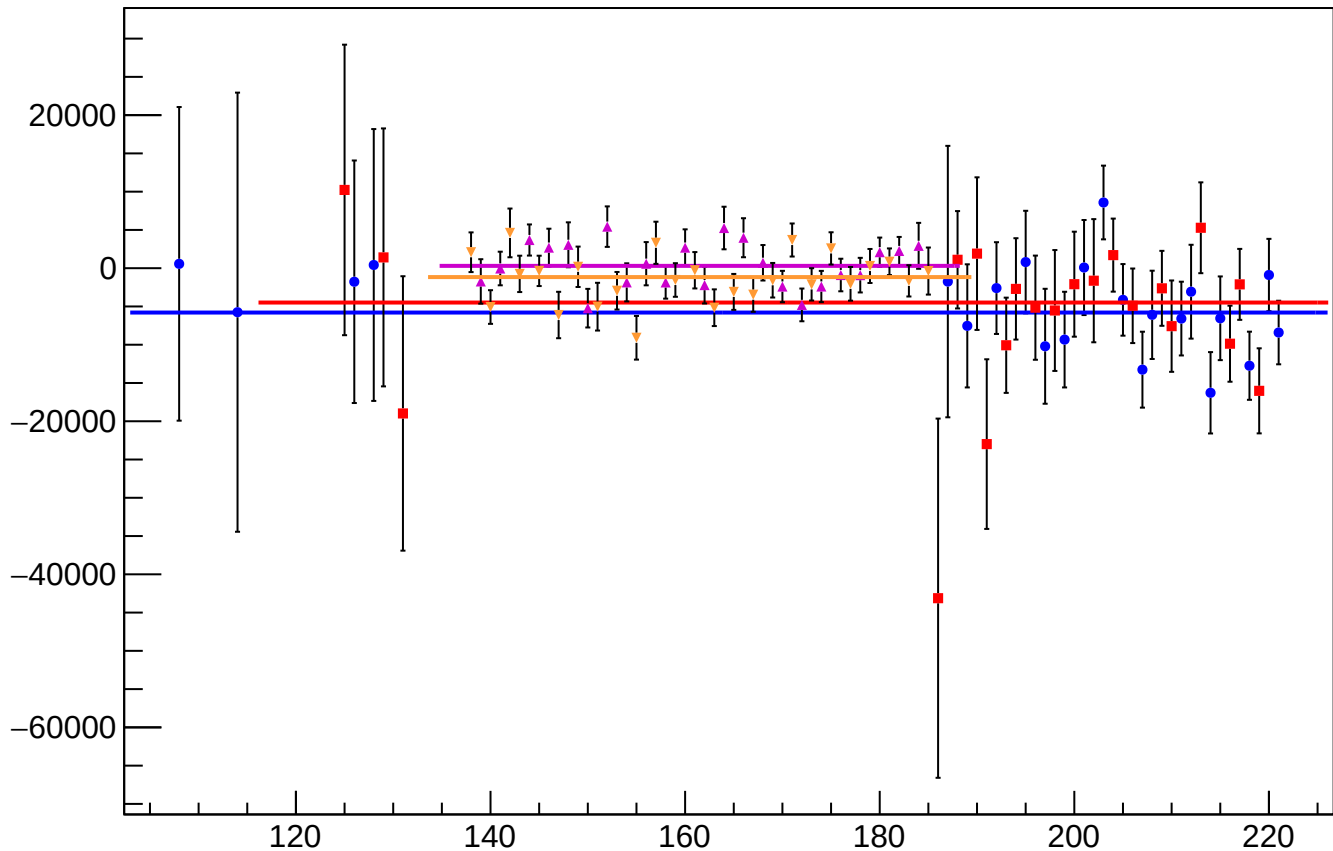
Left In: 261.637+/-0.044 χ^2/NDF :228241.3/22

+ sign 276.428+/-0.032 χ^2/NDF : 1489151.6/59

All: 278.849+/-0.023 χ^2/NDF : 3675817.2/119

- sign 281.482+/-0.033 χ^2/NDF : 2174648.2/59

asym_sam2_correction_mean vs Slug



Right In: -5795.488 ± 1291.032 χ^2/NDF : 22.5/21

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -4488.275 ± 1442.281 χ^2/NDF : 19.8/20

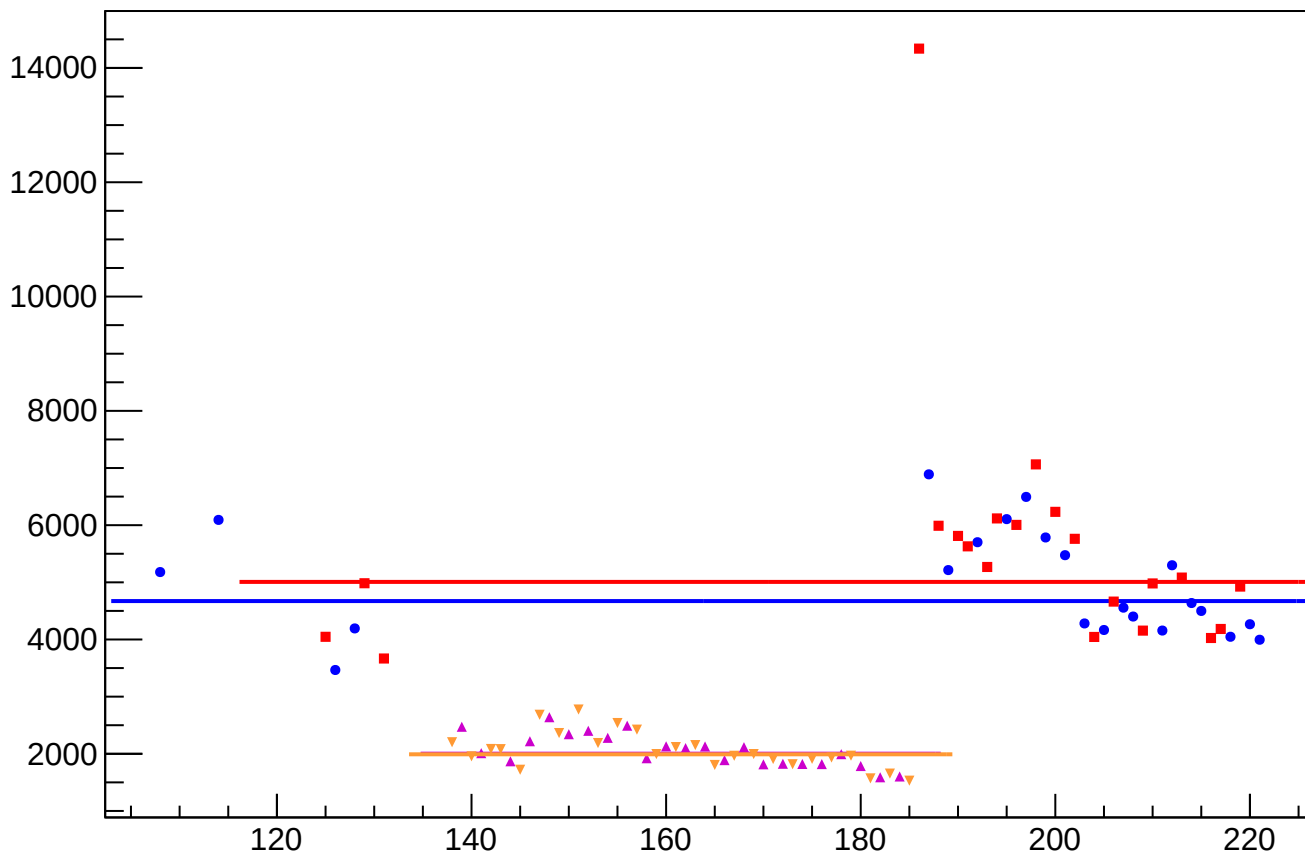
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1701.770 ± 440.844 χ^2/NDF : 72.7/46

All: -971.175 ± 317.837 χ^2/NDF : 143.5/90

- sign -180.324 ± 458.664 χ^2/NDF : 65.1/43

asym_sam2_correction_rms vs Slug



Right In: 4672.230 $\pm$ 0.913 χ^2 /NDF: 619831.8/21

Left Out: 1991.105 $\pm$ 0.332 χ^2 /NDF: 726310.6/24

Right Out: 5007.588 $\pm$ 1.020 χ^2 /NDF: 1013122.3/20

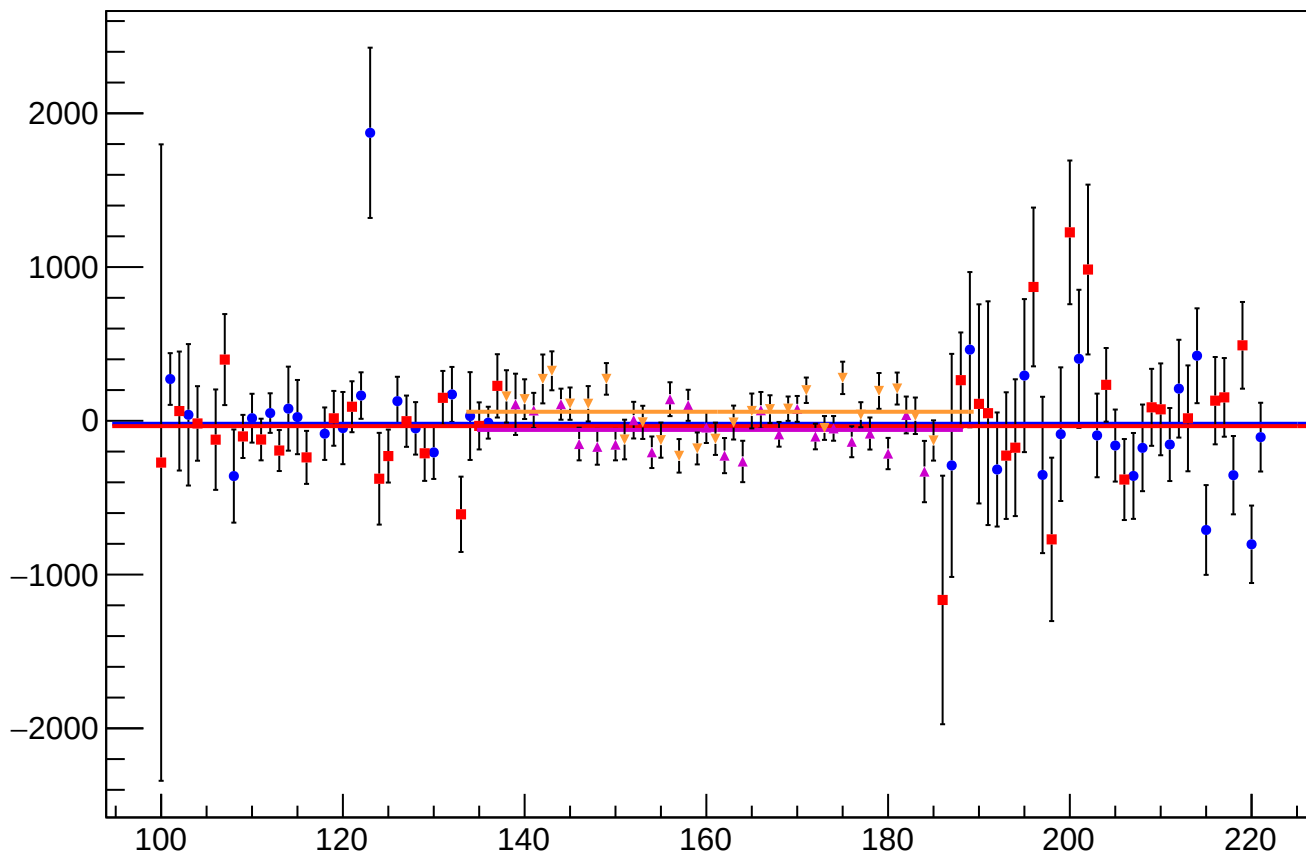
Left In: 2002.154 $\pm$ 0.342 χ^2 /NDF: 585947.4/22

+ sign 2303.722 $\pm$ 0.312 χ^2 /NDF: 8966015.4/46

All: 2304.864 $\pm$ 0.225 χ^2 /NDF: 18371324.5/9

- sign 2306.099 $\pm$ 0.324 χ^2 /NDF: 9405281.2/43

reg_asym_sam3_mean vs Slug



Right In: -19.182 ± 37.406 χ^2/NDF : 47.0/34

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -34.610 ± 38.194 χ^2/NDF : 44.9/36

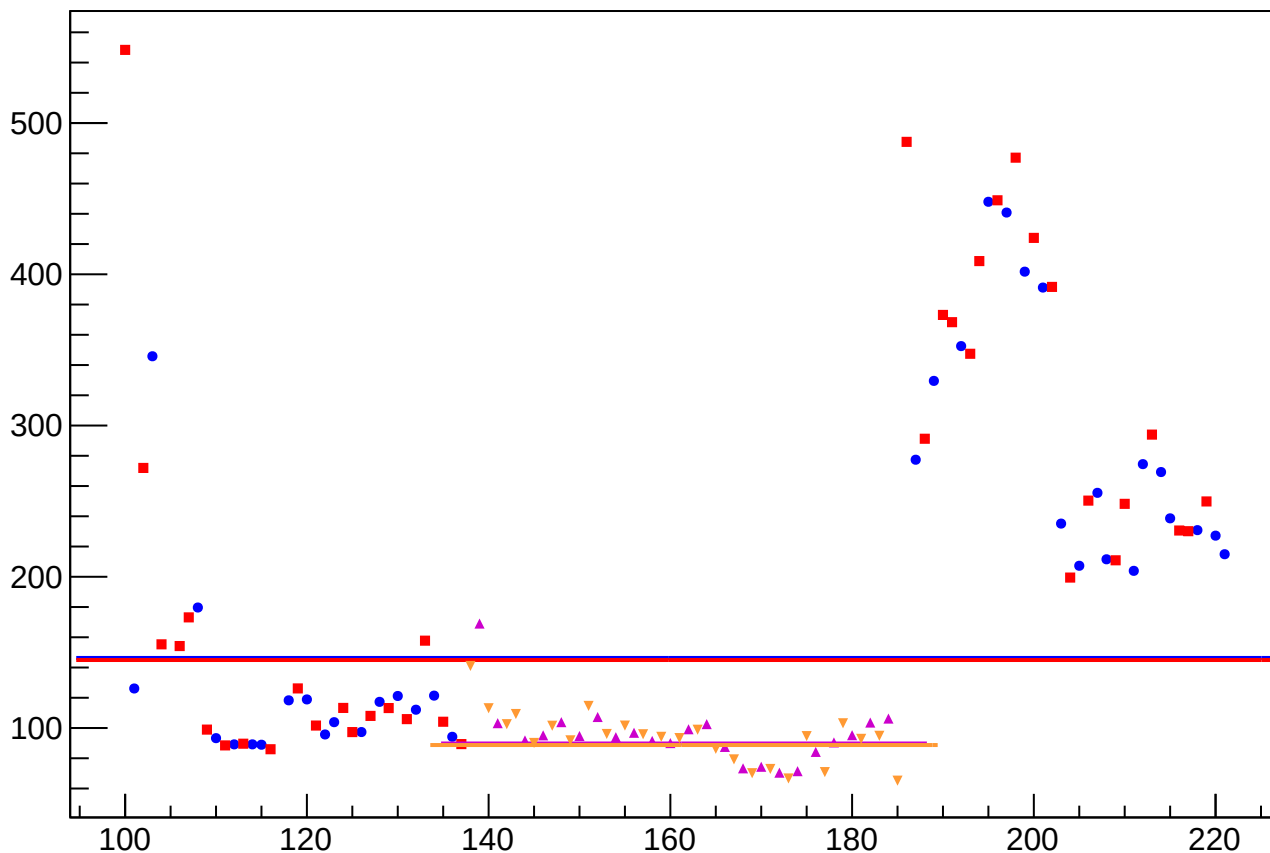
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 40.064 ± 18.402 χ^2/NDF : 97.3/59

All: -5.016 ± 13.223 χ^2/NDF : 184.2/119

- sign -53.133 ± 19.012 χ^2/NDF : 74.6/59

reg_asym_sam3_rms vs Slug



Right In: 146.324 $\pm$ 0.026 χ^2 /NDF: 8422681.6/34

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

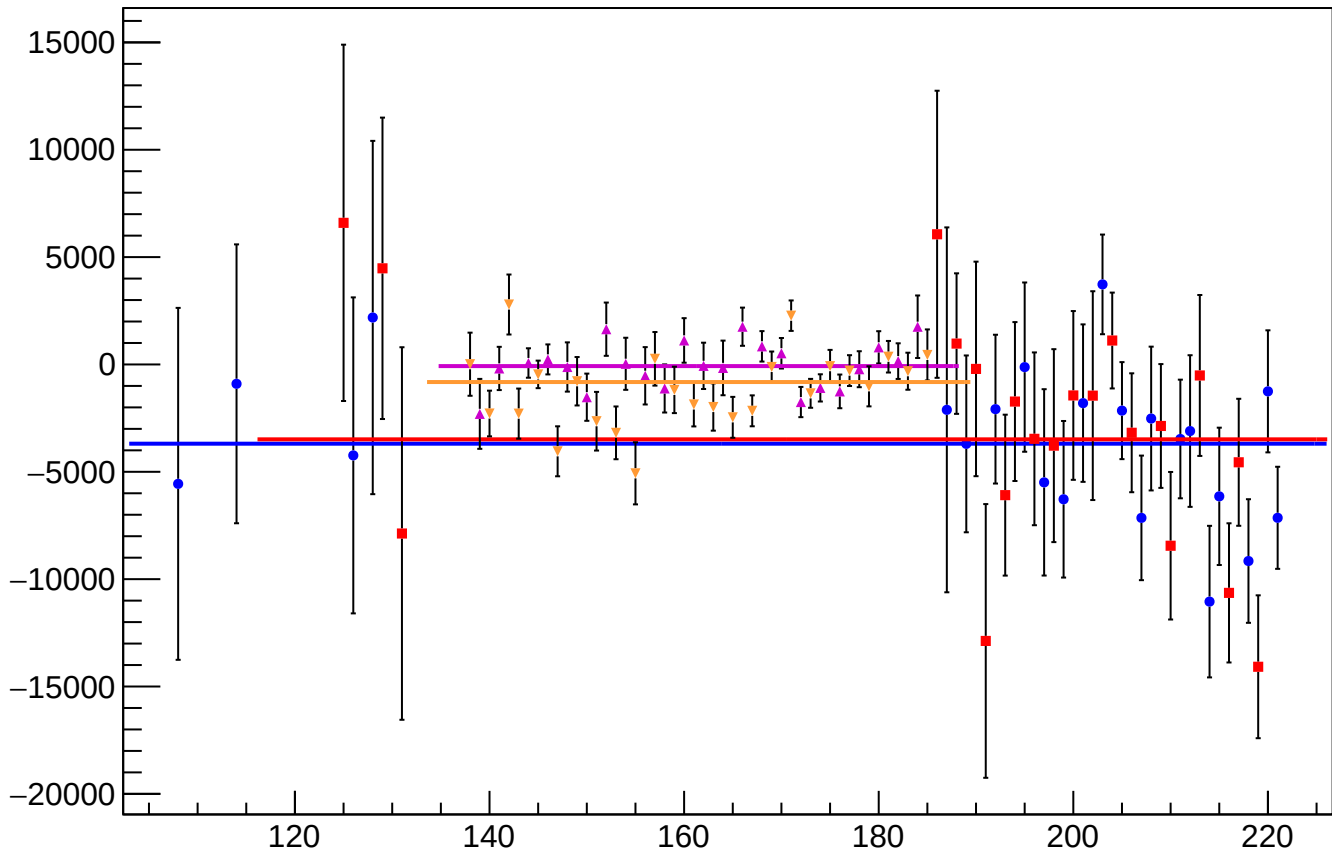
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 102.683 $\pm$ 0.013 χ^2 /NDF: 13093623.0/59

All: 103.051 $\pm$ 0.009 χ^2 /NDF: 26339156.0/1

- sign 103.443 $\pm$ 0.013 χ^2 /NDF: 13243886.6/59

asym_sam3_correction_mean vs Slug



Right In: -3690.396 ± 726.405 χ^2/NDF : 26.4/21

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: -3487.823 ± 816.987 χ^2/NDF : 32.8/20

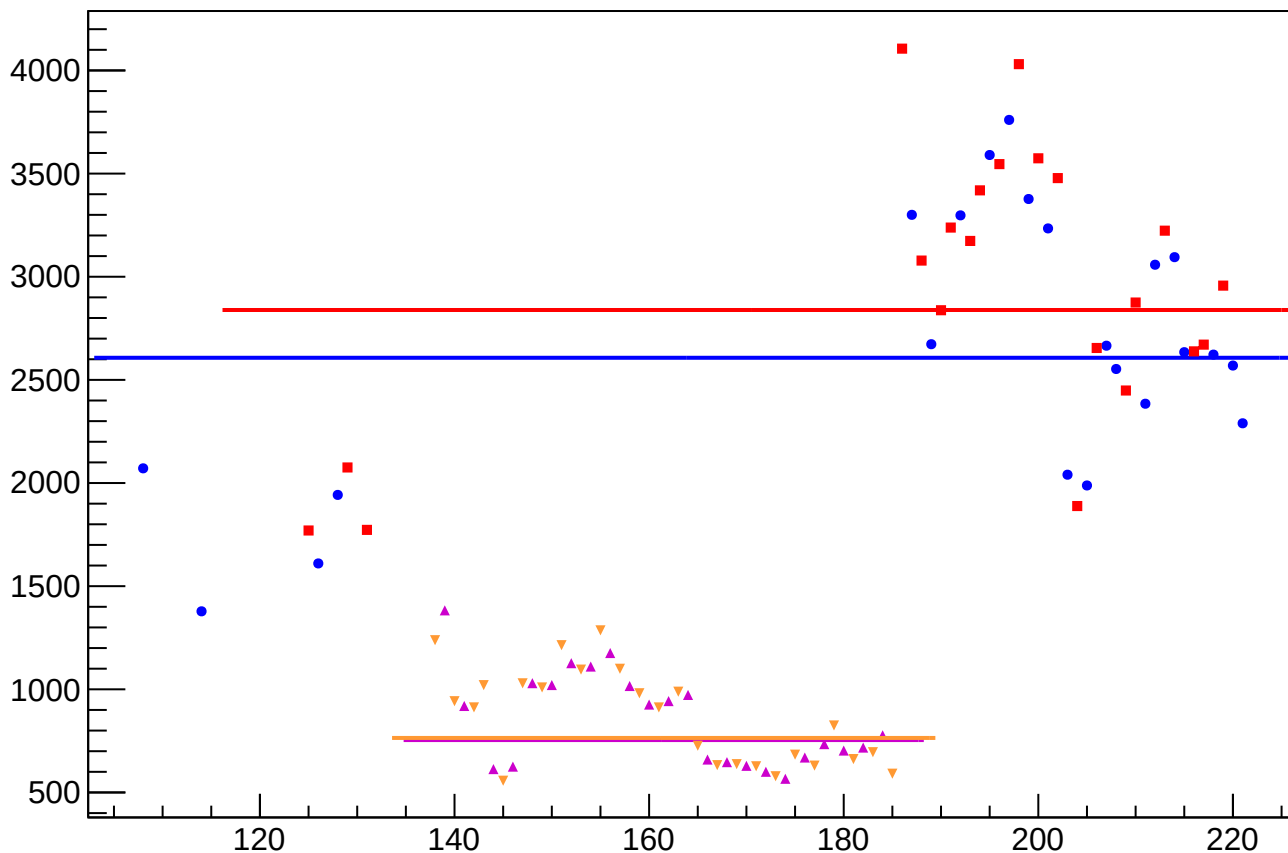
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -992.831 ± 178.789 χ^2/NDF : 109.3/46

All: -625.709 ± 127.530 χ^2/NDF : 195.5/90

- sign -245.440 ± 181.962 χ^2/NDF : 77.7/43

asym_sam3_correction_rms vs Slug



Right In: 2607.196+/-0.514 χ^2/NDF : 1027101.4/21

Left Out: 764.280+/-0.130 χ^2/NDF : 2315985.8/24

Right Out: 2838.779+/-0.578 χ^2/NDF : 995452.8/20

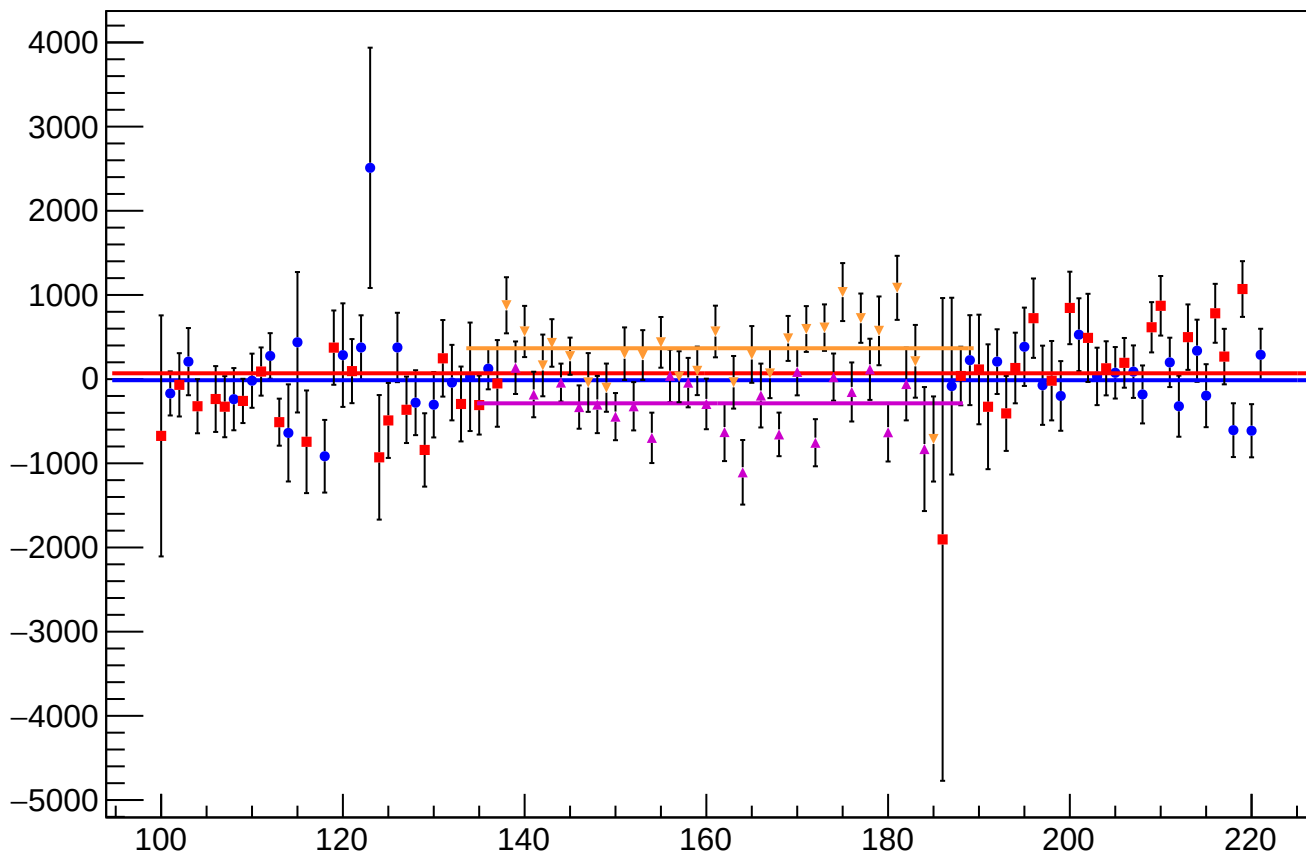
Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

+ sign 875.922+/-0.126 χ^2/NDF : 15436347.5/46

All: 866.845+/-0.090 χ^2/NDF : 30832596.4/90

- sign 857.443+/-0.129 χ^2/NDF : 15385753.5/43

reg_asym_sam4_mean vs Slug



Right In: -12.810 ± 63.513 χ^2/NDF : 28.5/34

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: 69.459 ± 64.456 χ^2/NDF : 54.2/36

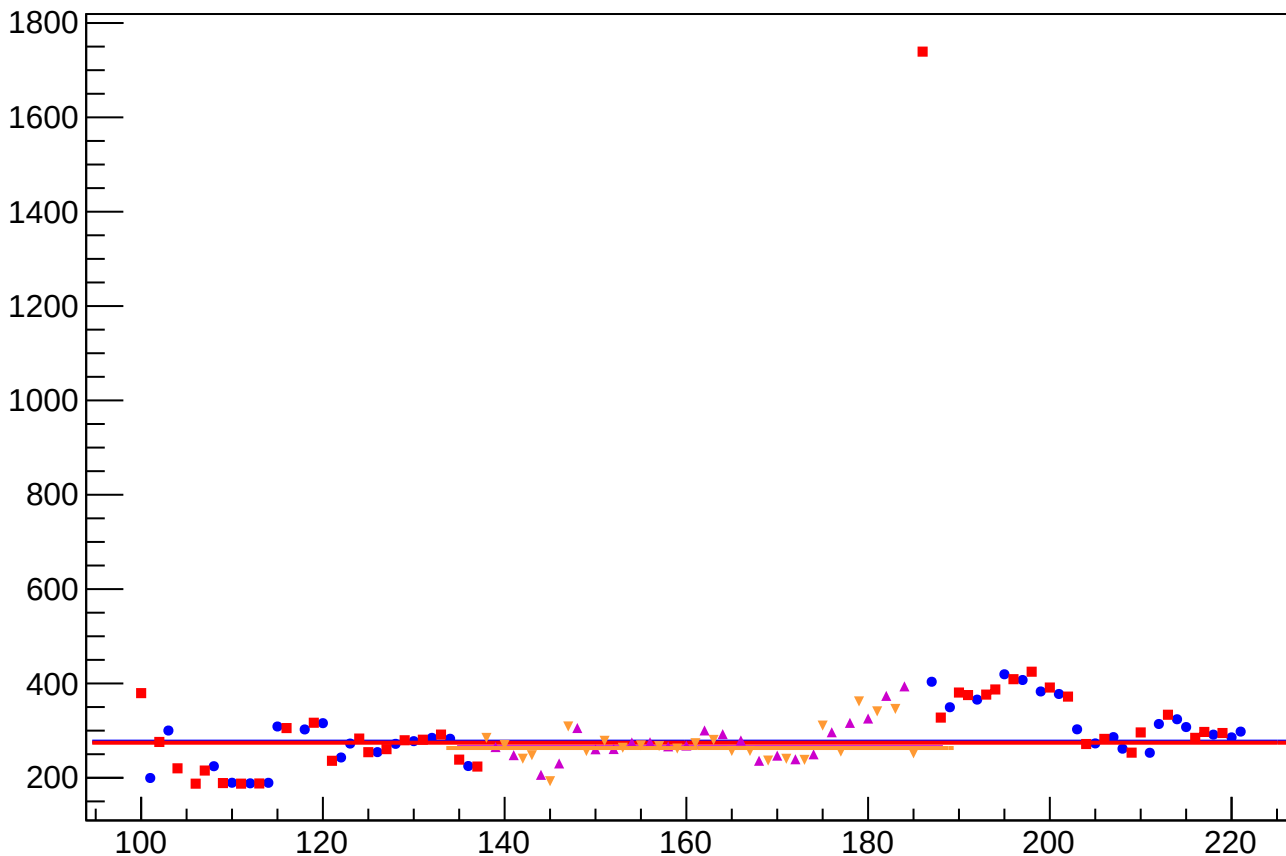
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 181.861 ± 44.345 χ^2/NDF : 75.1/59

All: 39.683 ± 31.745 χ^2/NDF : 189.7/119

- sign -109.767 ± 45.465 χ^2/NDF : 93.5/59

reg_asym_sam4_rms vs Slug



Right In: 276.700 $\pm$ 0.045 χ^2 /NDF: 1626646.8/34

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

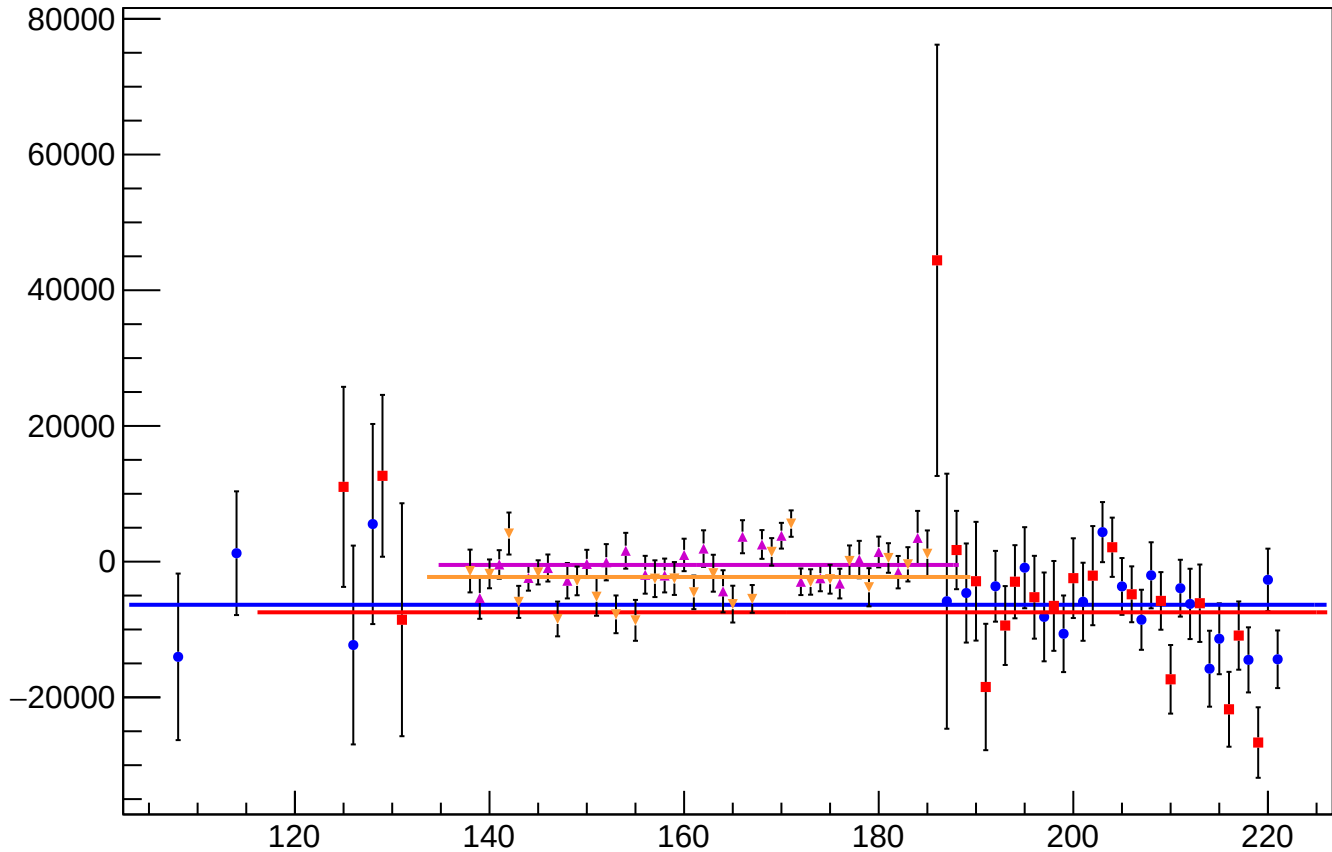
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 269.731 $\pm$ 0.031 χ^2 /NDF: 2315853.2/59

All: 269.681 $\pm$ 0.022 χ^2 /NDF: 5425089.7/119

- sign 269.629 $\pm$ 0.032 χ^2 /NDF: 3109231.3/59

asym_sam4_correction_mean vs Slug



Right In: -6358.121 ± 1187.147 χ^2/NDF : 22.2/21

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -7468.144 ± 1315.101 χ^2/NDF : 43.6/20

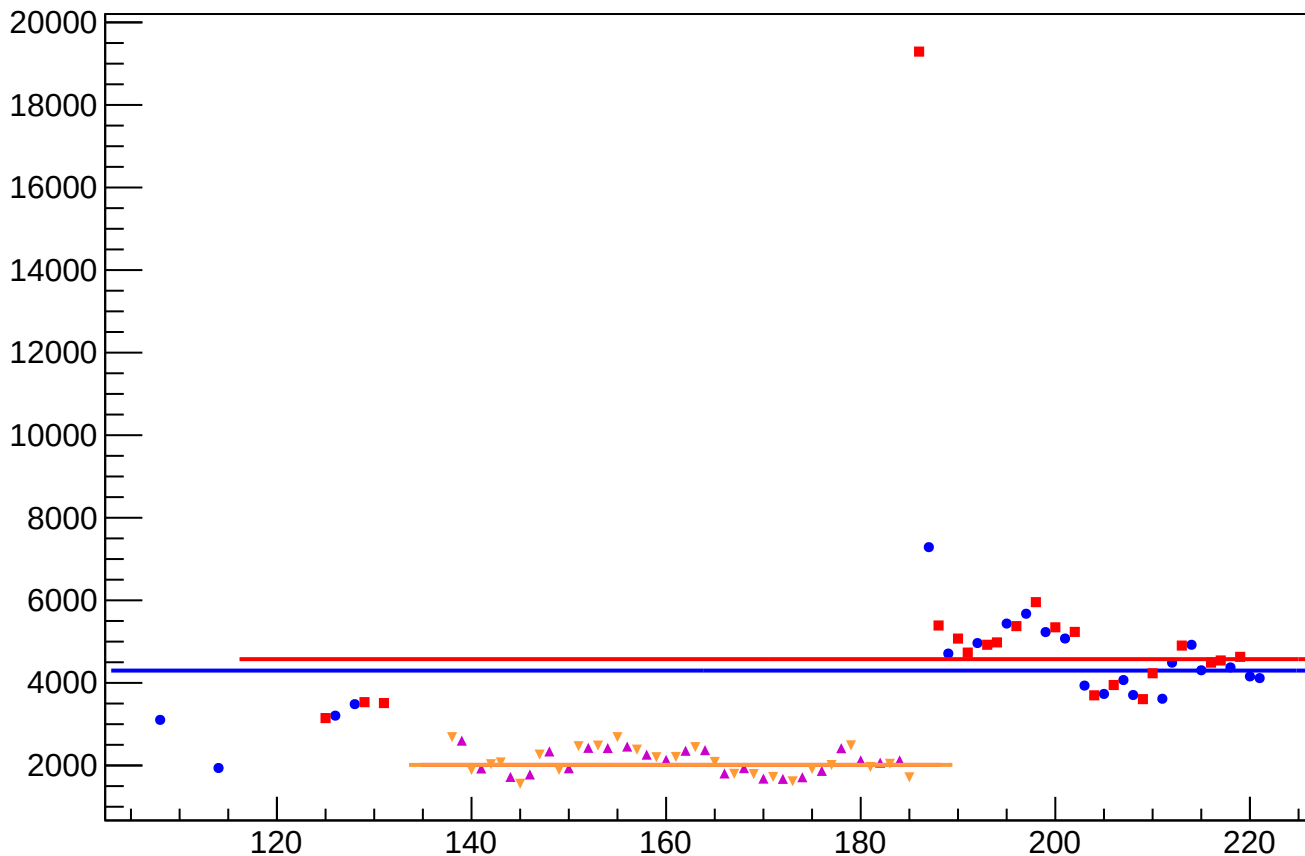
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2826.406 ± 441.277 χ^2/NDF : 84.8/46

All: -2104.061 ± 317.468 χ^2/NDF : 183.5/90

- sign -1329.065 ± 457.076 χ^2/NDF : 93.2/43

asym_sam4_correction_rms vs Slug



Right In: 4298.229+/-0.839 χ^2/NDF : 683781.9/21

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4575.015+/-0.930 χ^2/NDF : 955730.9/20

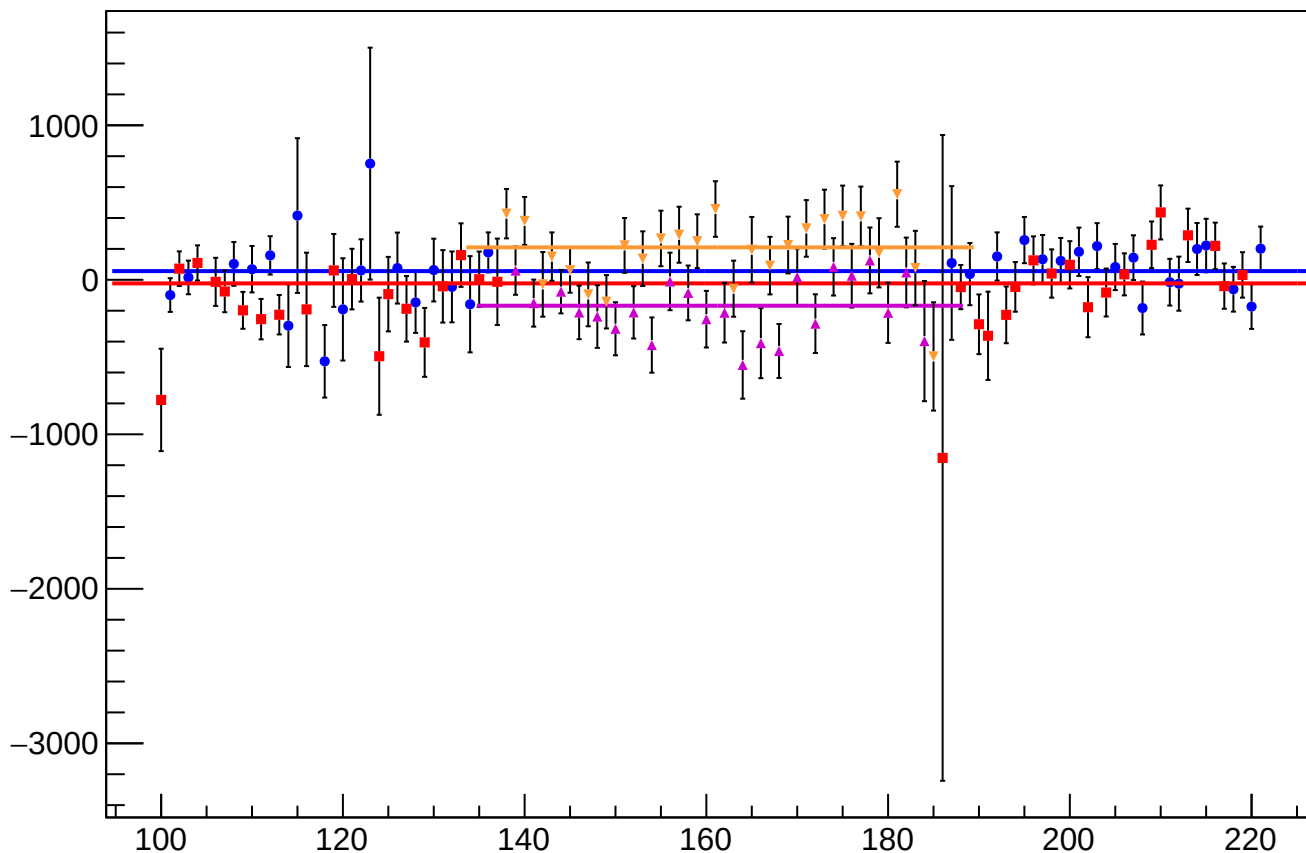
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2329.703+/-0.312 χ^2/NDF : 7900335.7/46

All: 2326.325+/-0.224 χ^2/NDF : 16190768.4/9

- sign 2322.701+/-0.323 χ^2/NDF : 8290189.8/43

reg_asym_sam5_mean vs Slug



Right In: 56.217 ± 28.171 χ^2/NDF : 28.5/34

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -23.134 ± 27.666 χ^2/NDF : 44.7/36

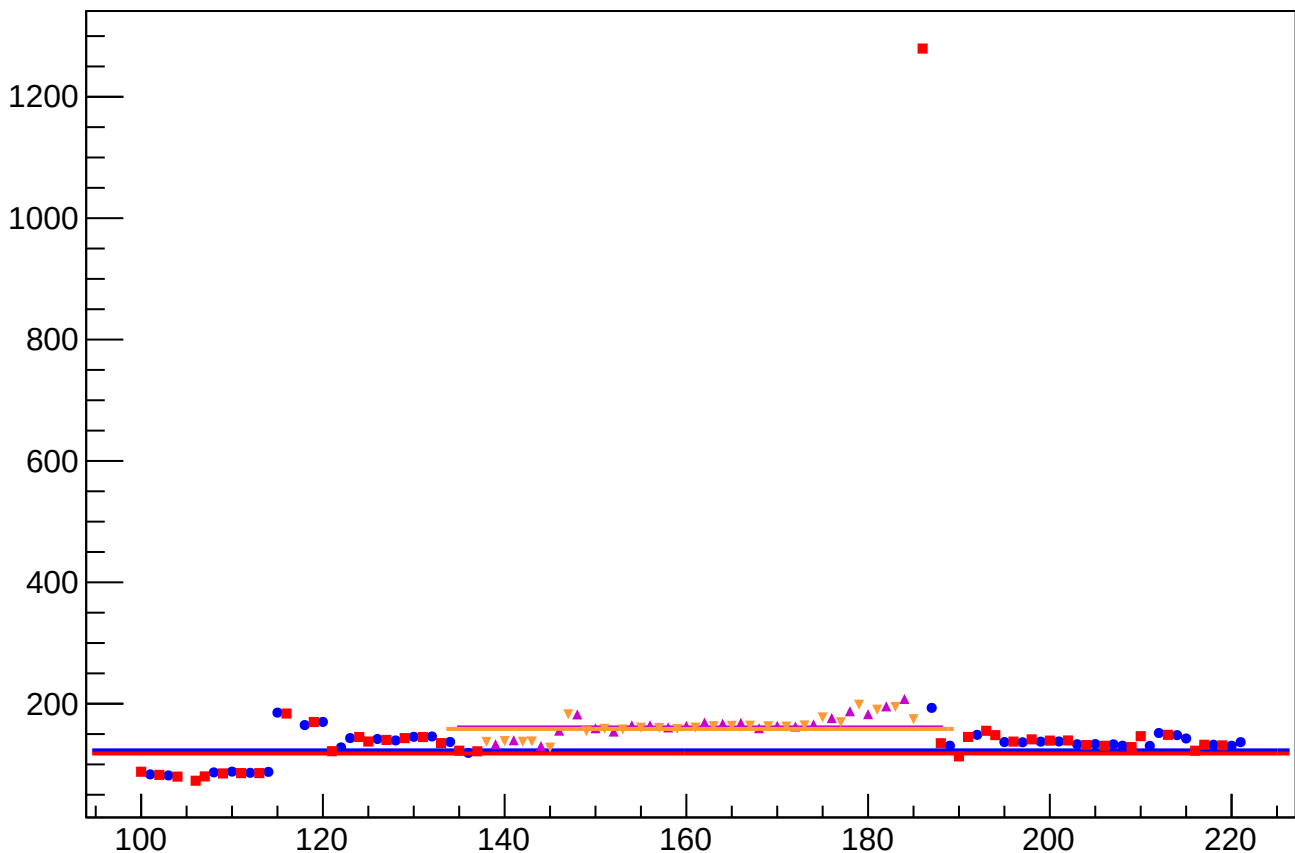
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 112.501 ± 22.434 χ^2/NDF : 67.0/59

All: 20.541 ± 15.890 χ^2/NDF : 175.7/119

- sign -72.041 ± 22.510 χ^2/NDF : 75.1/59

reg_asym_sam5_rms vs Slug



Right In: 123.142 $\pm$ 0.020 χ^2 /NDF: 1574114.7/34

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

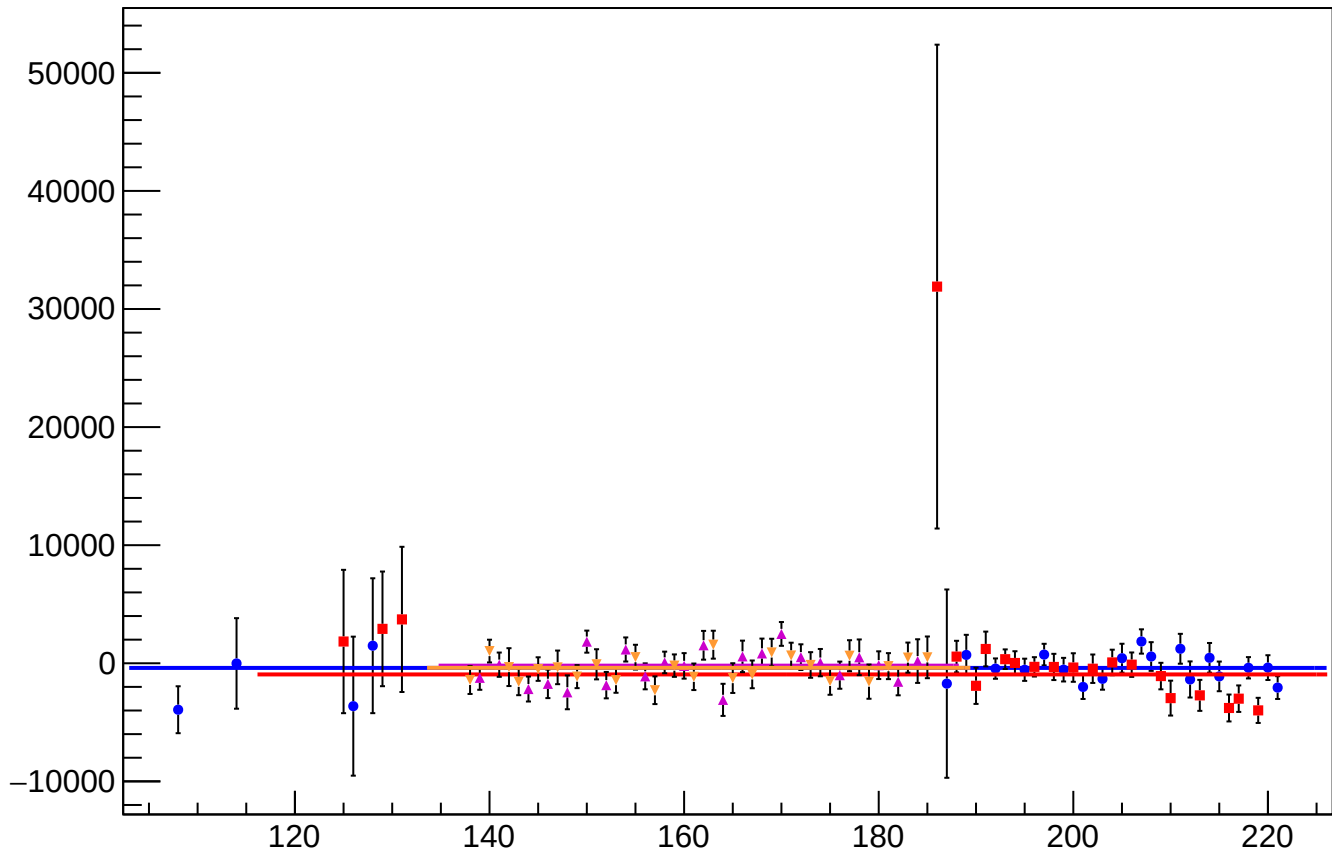
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 136.054 $\pm$ 0.016 χ^2 /NDF: 3157036.4/59

All: 134.284 $\pm$ 0.011 χ^2 /NDF: 7787640.4/119

- sign 132.503 $\pm$ 0.016 χ^2 /NDF: 4605637.5/59

asym_sam5_correction_mean vs Slug



Right In: -393.321+/-254.931 χ^2/NDF : 20.8/21

Left Out: -385.018+/-231.833 χ^2/NDF : 18.1/24

Right Out: -944.719+/-269.628 χ^2/NDF : 35.5/20

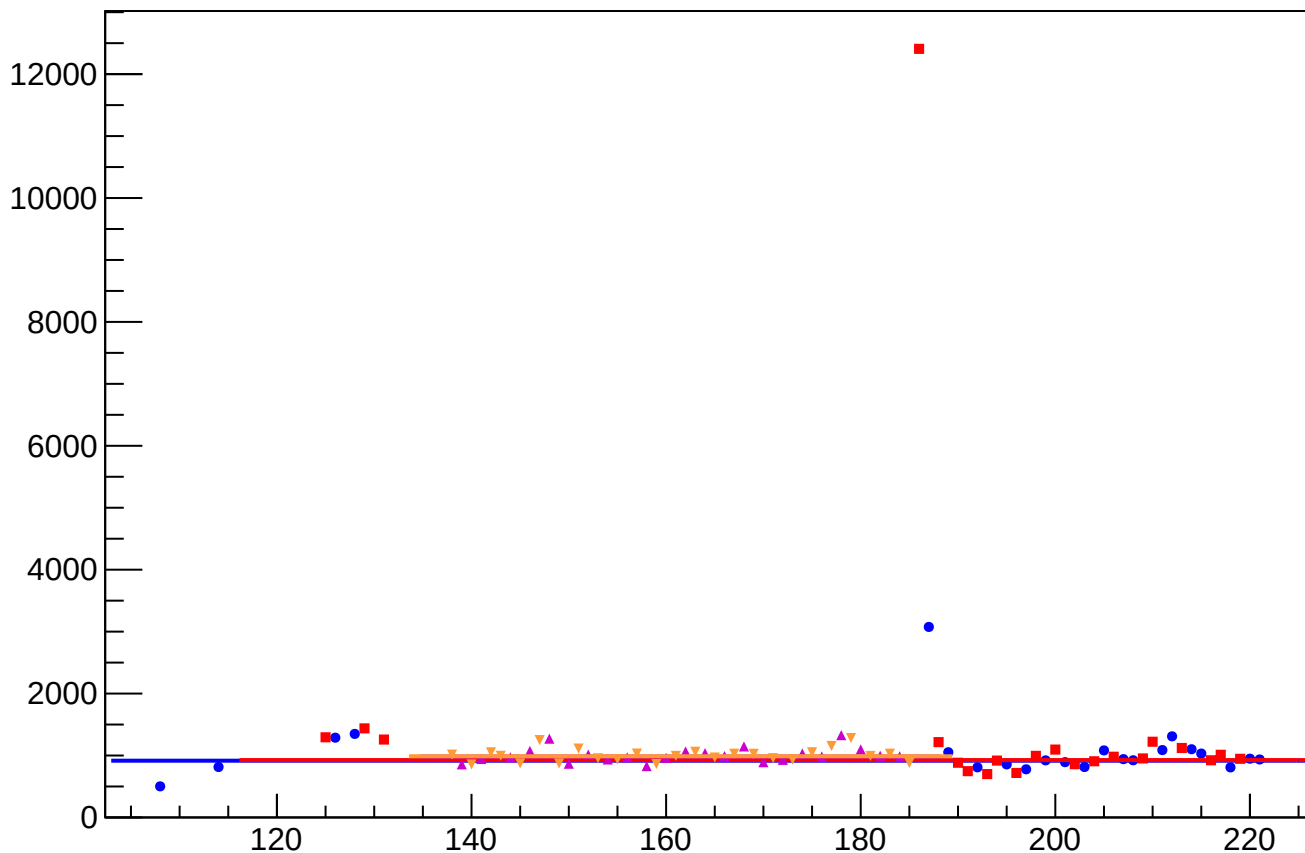
Left In: -202.234+/-237.460 χ^2/NDF : 35.5/22

+ sign -388.776+/-171.517 χ^2/NDF : 38.8/46

All: -455.036+/-123.577 χ^2/NDF : 114.4/90

- sign -526.563+/-178.203 χ^2/NDF : 75.2/43

asym_sam5_correction_rms vs Slug



Right In: 916.375 $\pm$ 0.180 χ^2 /NDF: 677394.1/21

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

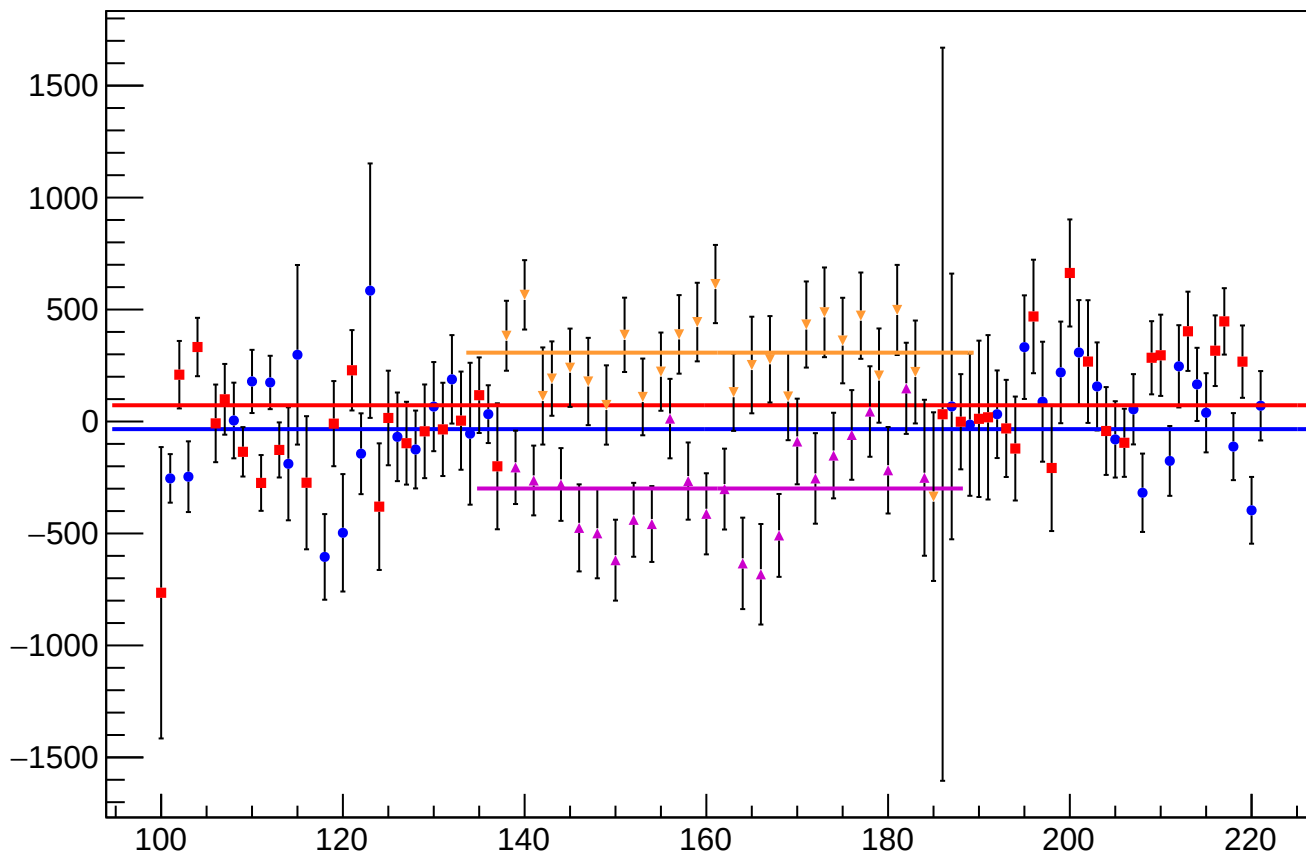
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 955.507 $\pm$ 0.121 χ^2 /NDF: 1140449.6/46

All: 957.014 $\pm$ 0.087 χ^2 /NDF: 2871319.6/90

- sign 958.642 $\pm$ 0.126 χ^2 /NDF: 1730548.7/43

reg_asym_sam6_mean vs Slug



Right In: -34.072 $\pm$ 30.540 χ^2/NDF : 49.7/34

Left Out: 307.487 $\pm$ 37.278 χ^2/NDF : 20.7/24

Right Out: 72.546 $\pm$ 30.575 χ^2/NDF : 57.7/36

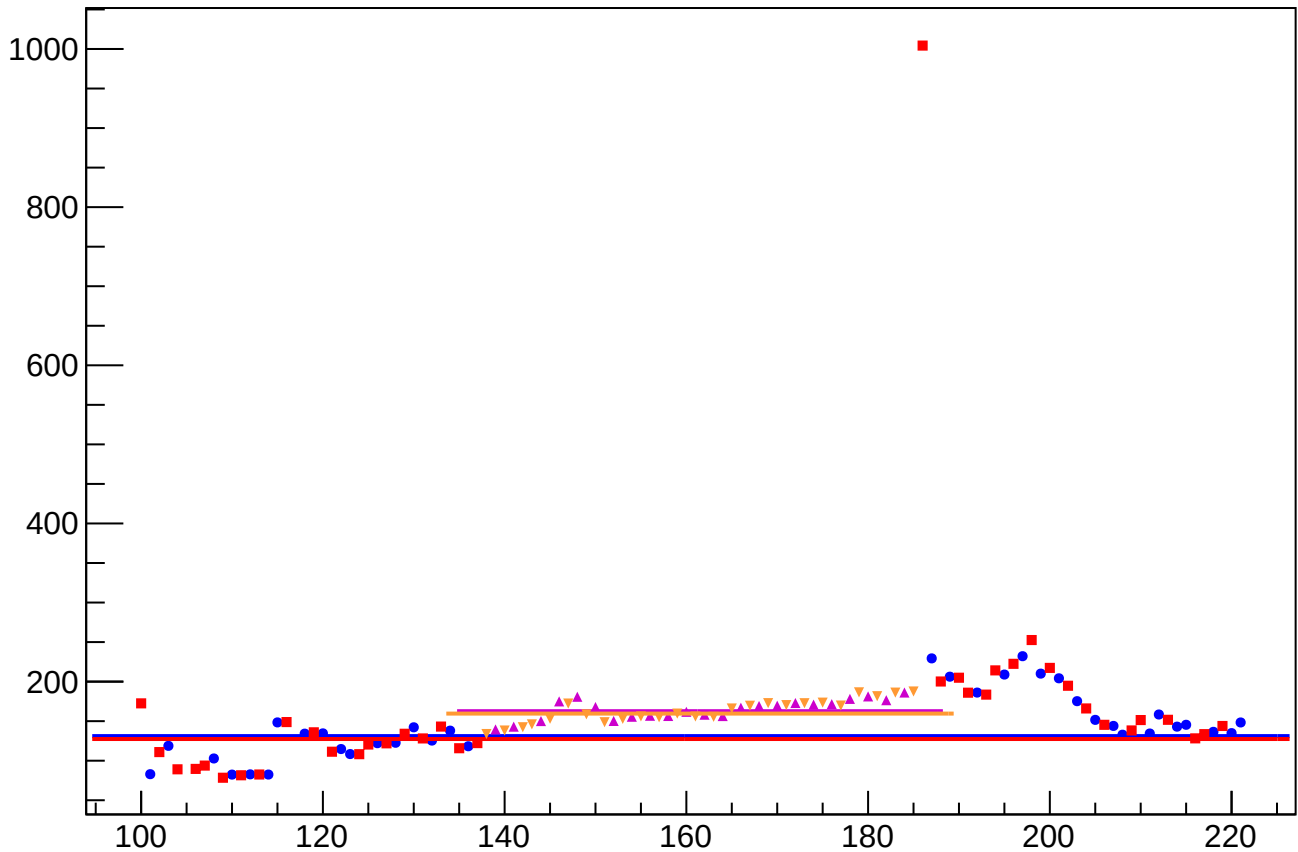
Left In: -299.192 $\pm$ 39.009 χ^2/NDF : 28.5/22

+ sign 103.108 $\pm$ 23.624 χ^2/NDF : 120.7/59

All: 18.681 $\pm$ 16.858 χ^2/NDF : 289.2/119

- sign -68.916 $\pm$ 24.064 χ^2/NDF : 142.5/59

reg_asym_sam6_rms vs Slug



Right In: 131.109 $\pm$ 0.022 χ^2 /NDF: 2680697.3/34

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF:287744.2/24

Right Out: 127.418 $\pm$ 0.022 χ^2 /NDF: 4051453.9/36

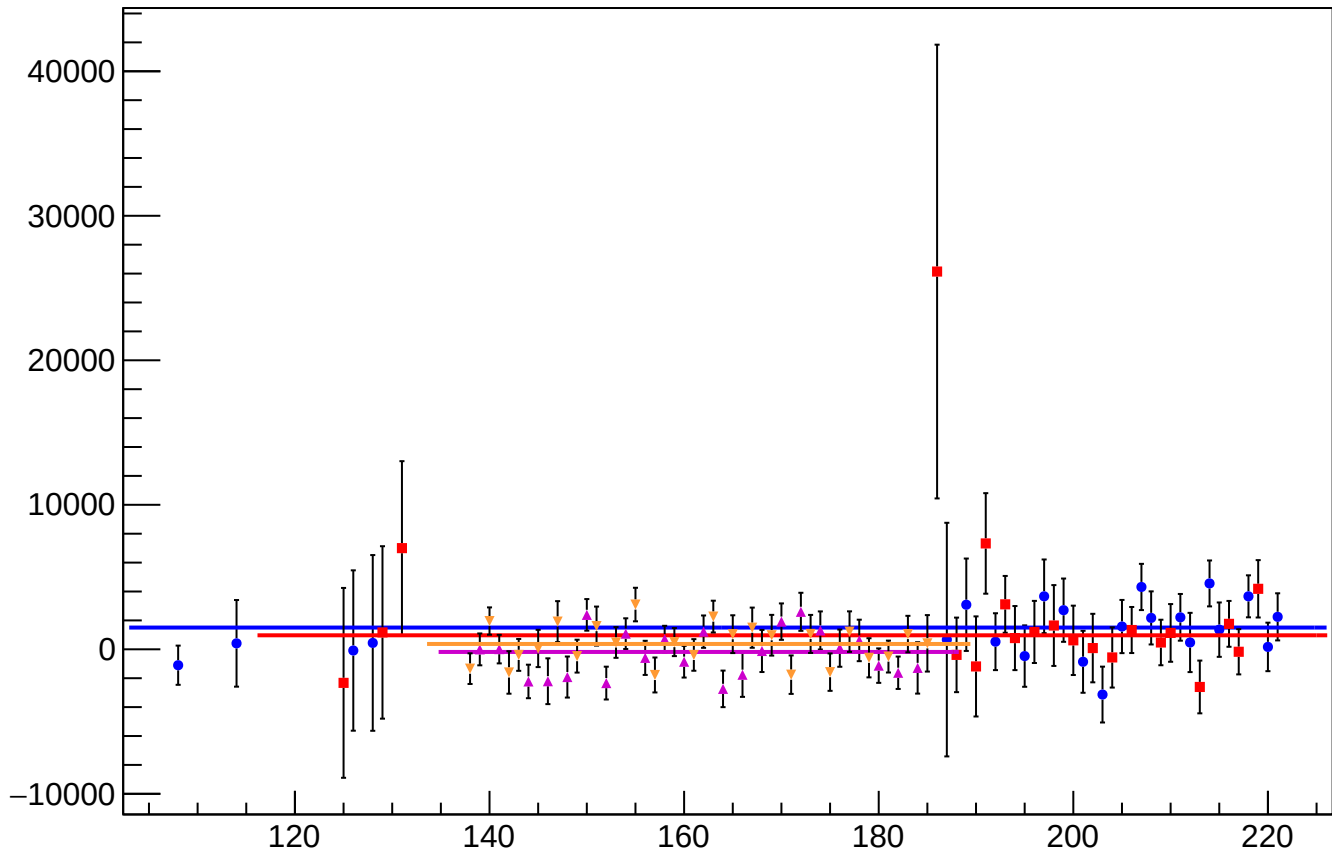
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF:199542.3/22

+ sign 142.539 $\pm$ 0.017 χ^2 /NDF: 3665974.7/59

All: 141.690 $\pm$ 0.012 χ^2 /NDF: 8930365.7/119

- sign 140.809 $\pm$ 0.017 χ^2 /NDF: 5259125.0/59

asym_sam6_correction_mean vs Slug



Right In: 1504.915+/-421.007 χ^2/NDF : 23.7/21

Left Out: 370.001+/-243.521 χ^2/NDF : 30.5/24

Right Out: 969.380+/-488.274 χ^2/NDF : 17.2/20

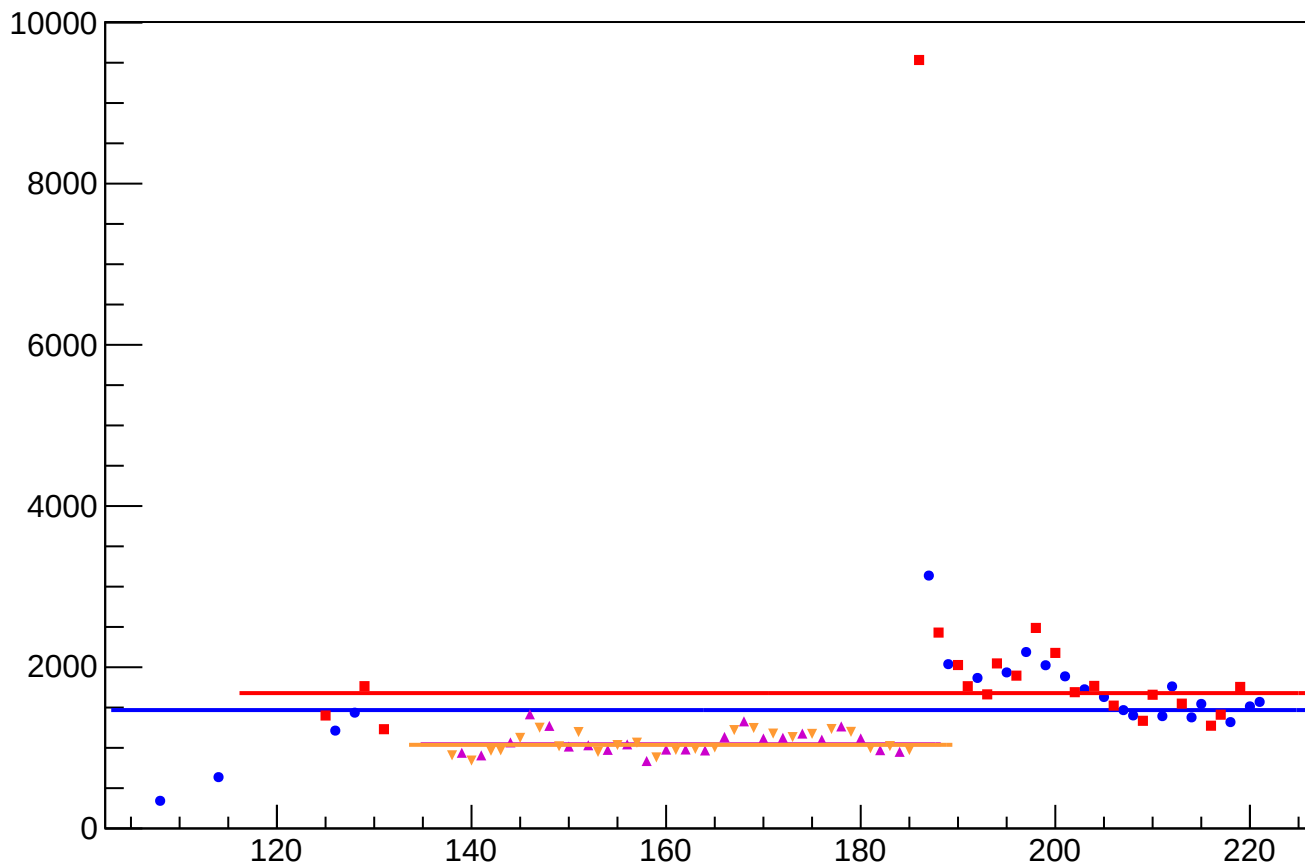
Left In: -183.107+/-252.258 χ^2/NDF : 36.5/22

+ sign 654.521+/-210.797 χ^2/NDF : 59.6/46

All: 375.308+/-153.549 χ^2/NDF : 121.4/90

- sign 59.696+/-224.116 χ^2/NDF : 58.1/43

asym_sam6_correction_rms vs Slug



Right In: 1468.635+/-0.298 χ^2/NDF : 2366943.4/21

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1679.216+/-0.345 χ^2/NDF : 1355470.1/20

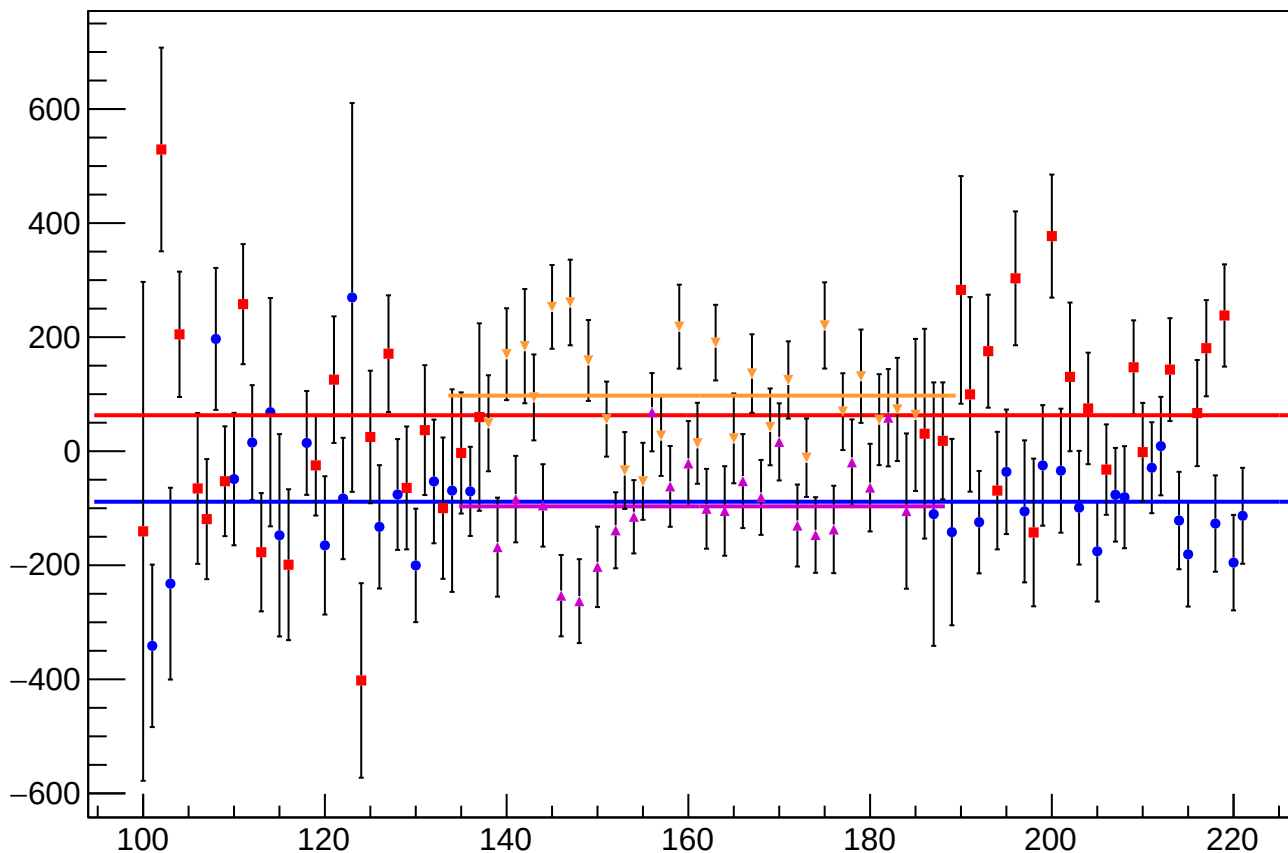
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1145.726+/-0.149 χ^2/NDF : 4432122.0/46

All: 1161.070+/-0.109 χ^2/NDF : 9018990.9/90

- sign 1178.414+/-0.158 χ^2/NDF : 4564294.3/43

reg_asym_sam7_mean vs Slug



Right In: -88.586 ± 17.639 χ^2/NDF : 22.5/34

Left Out: 97.445 ± 14.880 χ^2/NDF : 36.0/24

Right Out: 63.055 ± 17.993 χ^2/NDF : 69.8/36

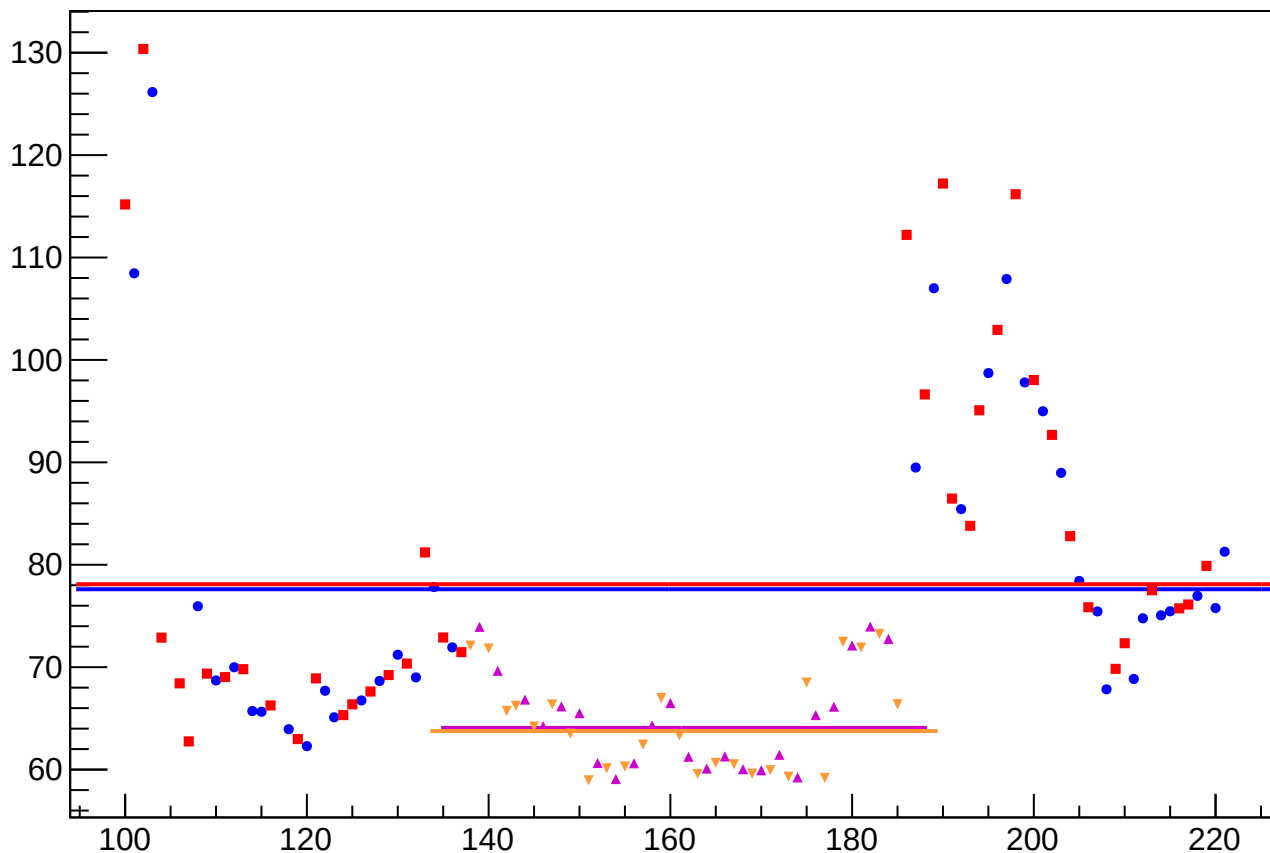
Left In: -96.704 ± 15.369 χ^2/NDF : 29.2/22

+ sign 20.102 ± 11.373 χ^2/NDF : 123.5/59

All: -3.934 ± 8.151 χ^2/NDF : 277.3/119

- sign -29.309 ± 11.686 χ^2/NDF : 144.6/59

reg_asym_sam7_rms vs Slug



Right In: 77.608 $\pm$ 0.012 χ^2 /NDF: 953420.8/34

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

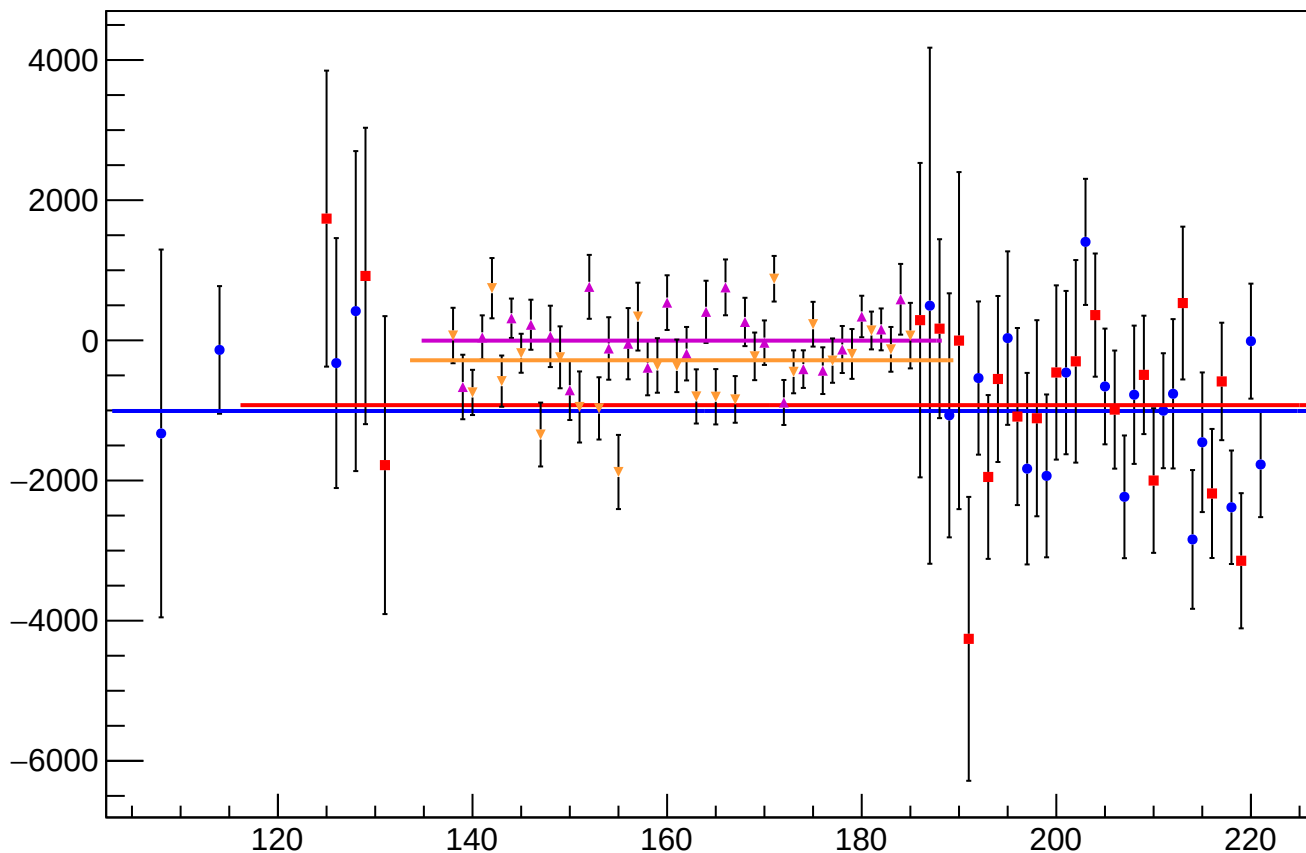
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 69.518 $\pm$ 0.008 χ^2 /NDF: 1866321.9/59

All: 69.746 $\pm$ 0.006 χ^2 /NDF: 3867515.8/119

- sign 69.986 $\pm$ 0.008 χ^2 /NDF: 1999545.0/59

asym_sam7_correction_mean vs Slug



Right In: -1007.866 ± 223.747 χ^2/NDF : 22.2/21

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: -924.648 ± 256.758 χ^2/NDF : 20.2/20

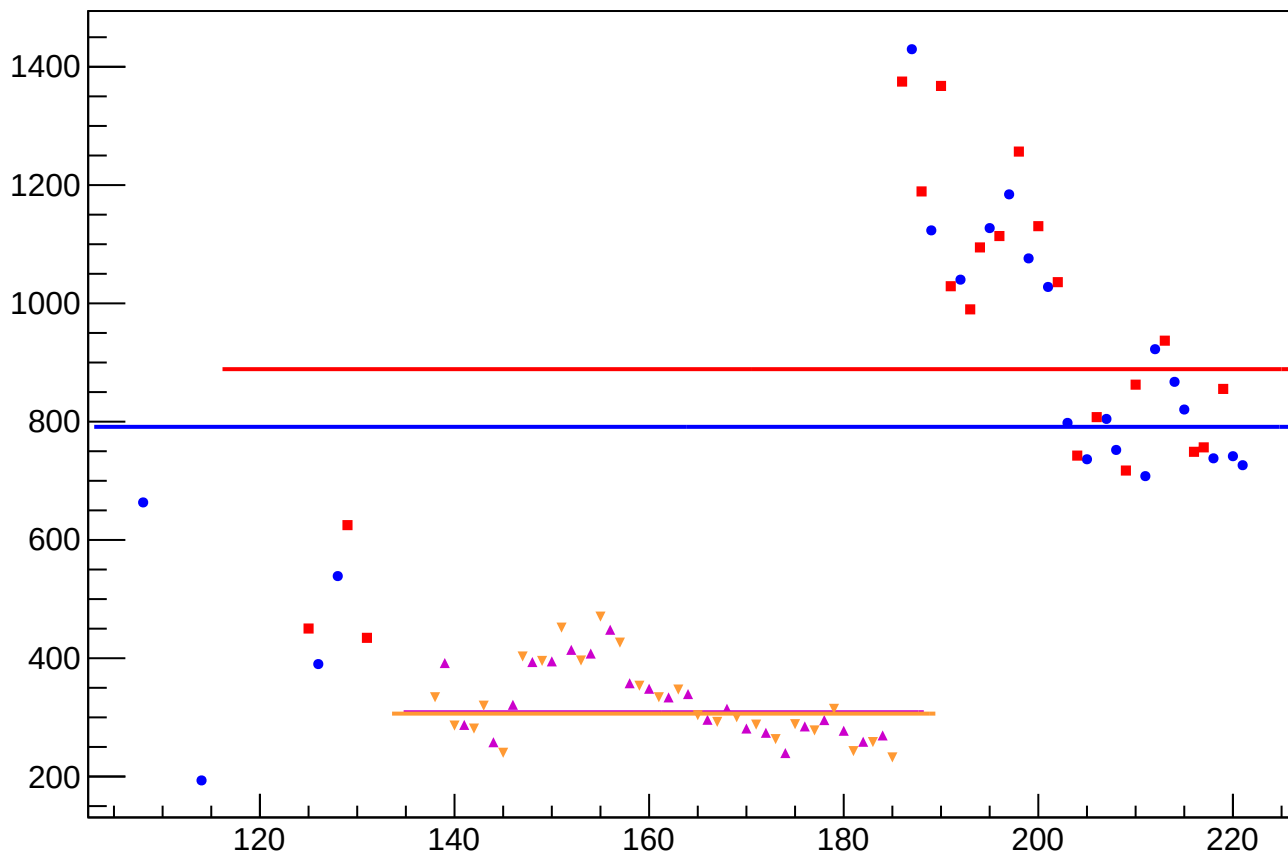
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -353.454 ± 69.170 χ^2/NDF : 86.7/46

All: -220.684 ± 49.903 χ^2/NDF : 158.8/90

- sign -76.562 ± 72.066 χ^2/NDF : 64.4/43

asym_sam7_correction_rms vs Slug



Right In: 791.247 $\pm$ 0.158 χ^2 /NDF: 1852600.7/21

Left Out: 306.363 $\pm$ 0.051 χ^2 /NDF:1215669.9/24

Right Out: 888.774 $\pm$ 0.182 χ^2 /NDF: 1135476.4/20

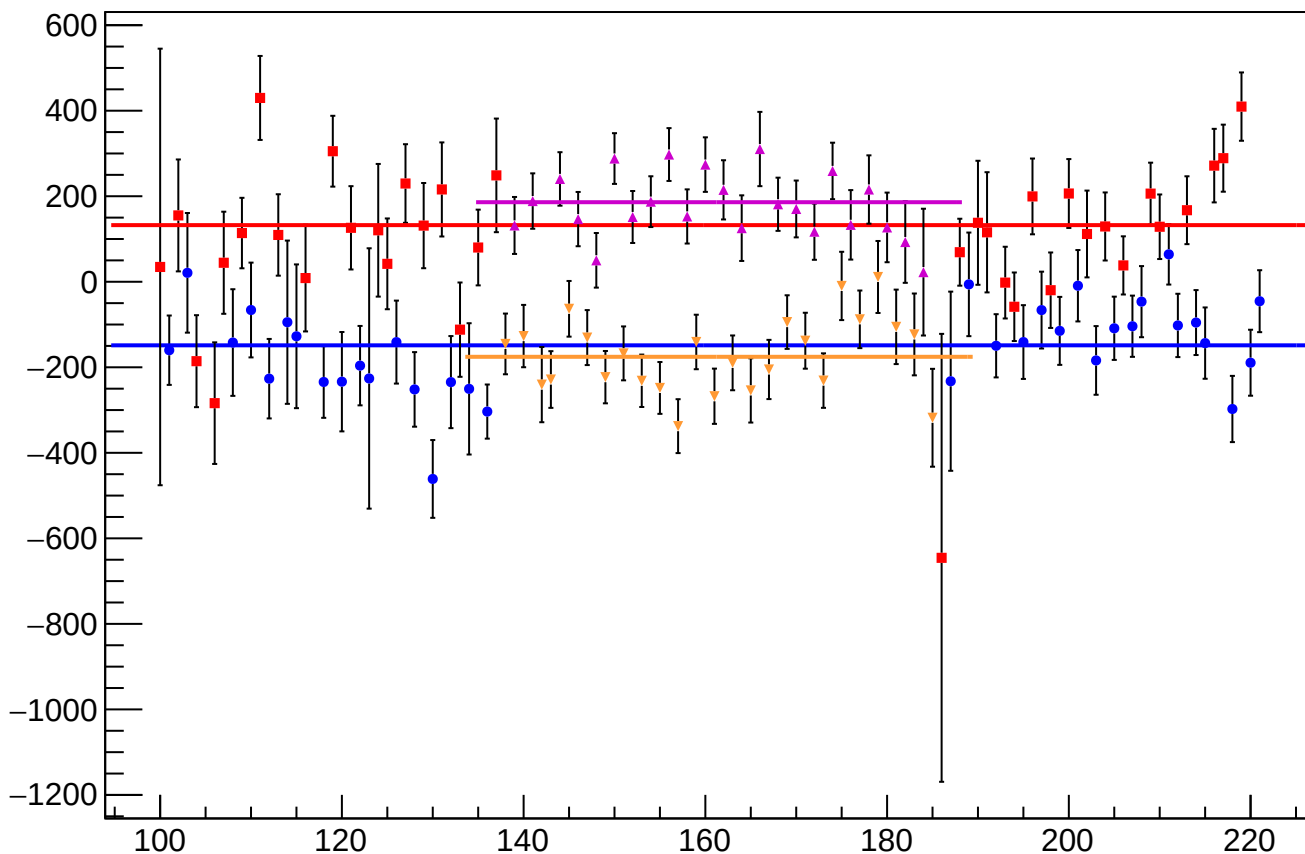
Left In: 308.727 $\pm$ 0.053 χ^2 /NDF:1002947.4/22

+ sign 352.703 $\pm$ 0.049 χ^2 /NDF: 11563319.7/46

All: 353.527 $\pm$ 0.035 χ^2 /NDF: 23105507.1/90

- sign 354.423 $\pm$ 0.051 χ^2 /NDF: 11541594.4/43

reg_asym_sam8_mean vs Slug



Right In: -148.638 ± 15.172 χ^2/NDF : 48.7/34

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 132.439 ± 15.679 χ^2/NDF : 78.4/36

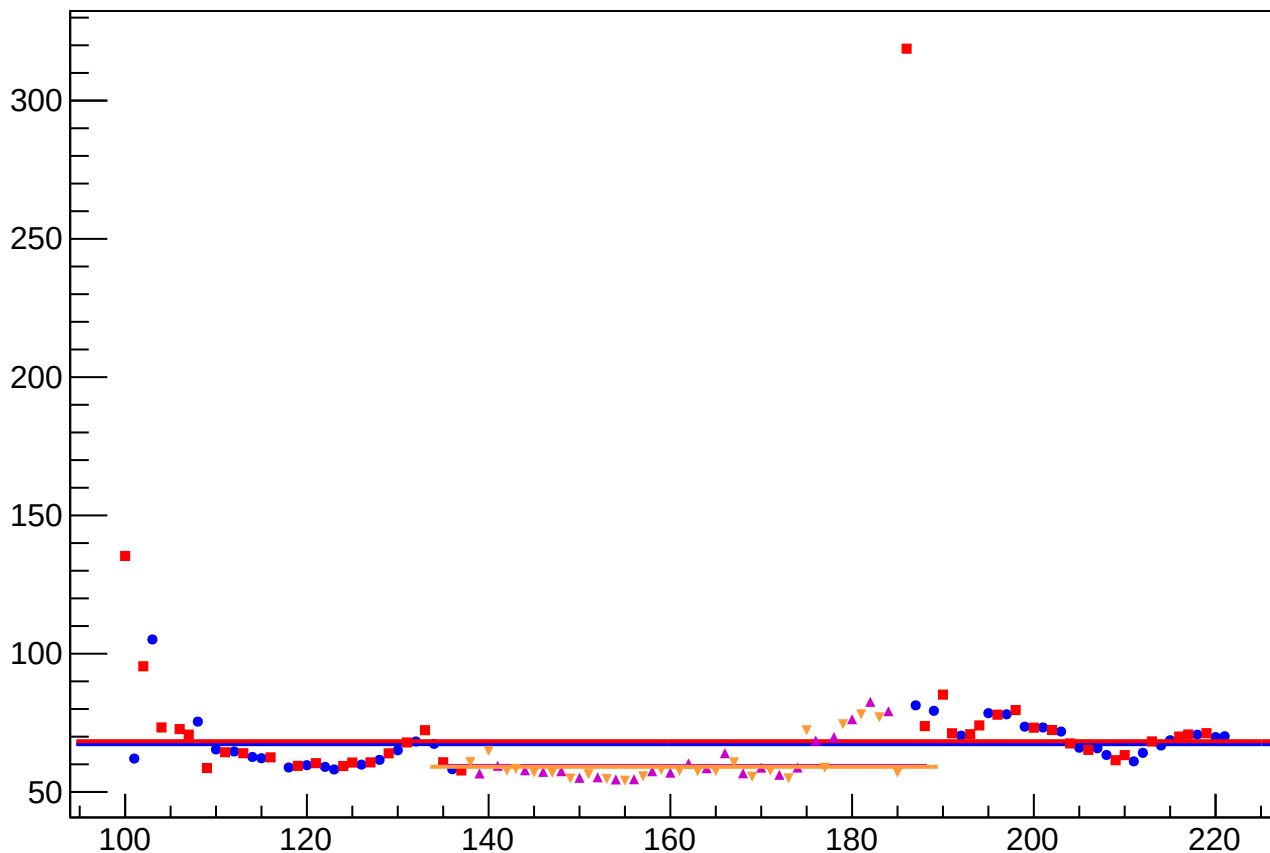
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -163.278 ± 10.227 χ^2/NDF : 85.1/59

All: -6.186 ± 7.351 χ^2/NDF : 681.4/119

- sign 161.676 ± 10.572 χ^2/NDF : 108.3/59

reg_asym_sam8_rms vs Slug



Right In: 67.290 $\pm$ 0.011 χ^2 /NDF: 436308.0/34

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 68.360 $\pm$ 0.011 χ^2 /NDF: 878334.5/36

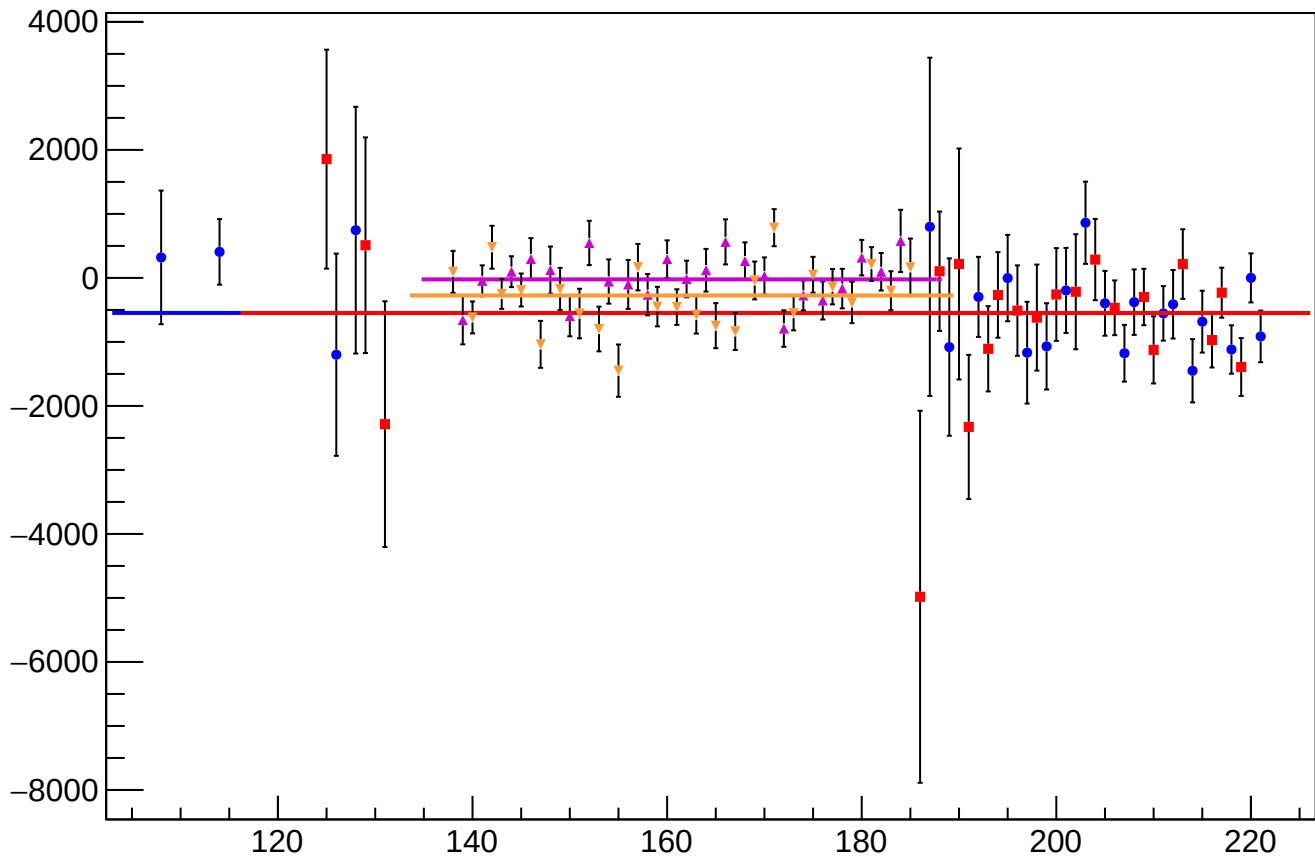
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 62.821 $\pm$ 0.007 χ^2 /NDF: 1124137.3/59

All: 63.139 $\pm$ 0.005 χ^2 /NDF: 2734888.3/119

- sign 63.479 $\pm$ 0.007 χ^2 /NDF: 1606751.1/59

asym_sam8_correction_mean vs Slug



Right In: -546.933 ± 120.014 χ^2/NDF : 23.2/21

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -547.830 ± 139.455 χ^2/NDF : 20.3/20

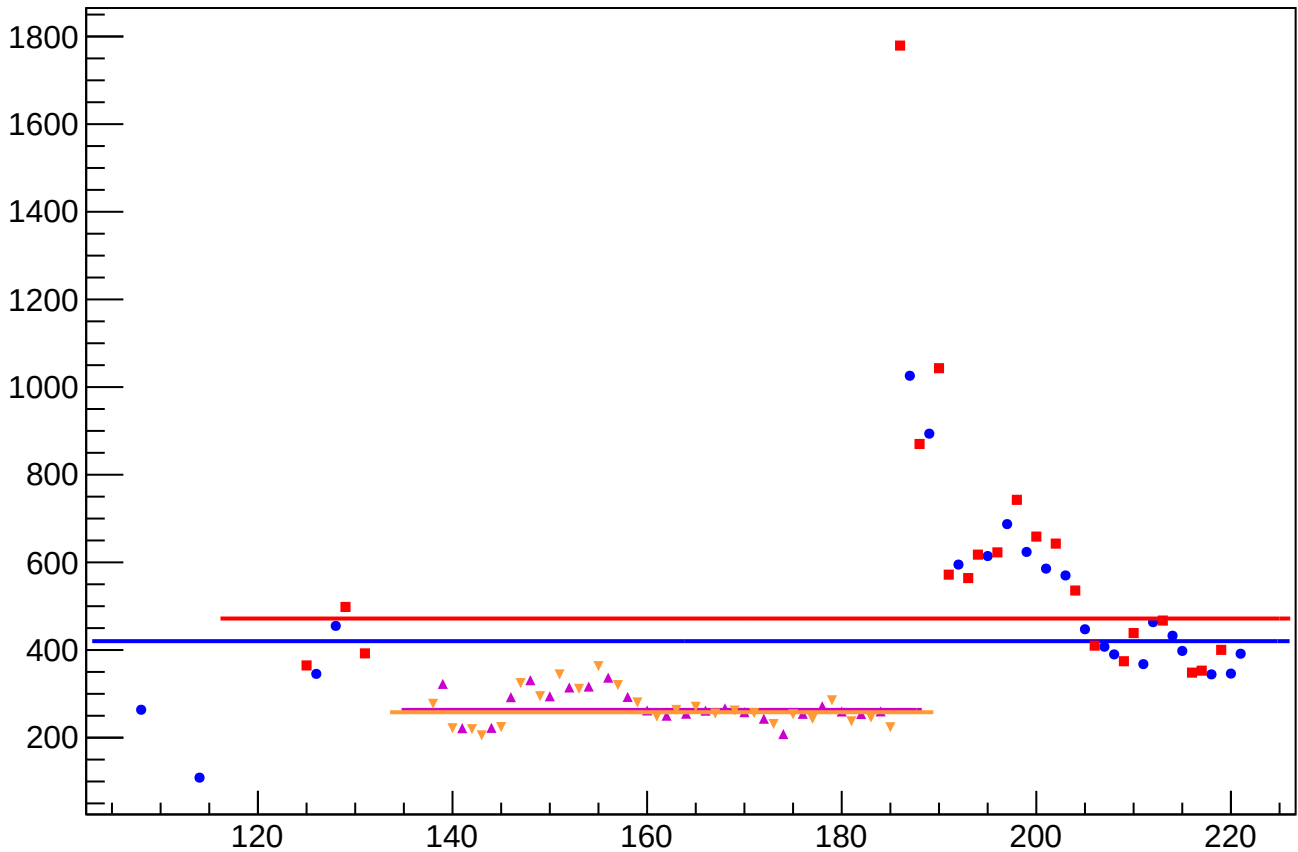
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -329.813 ± 54.237 χ^2/NDF : 81.2/46

All: -228.555 ± 39.582 χ^2/NDF : 149.5/90

- sign -113.160 ± 57.899 χ^2/NDF : 60.9/43

asym_sam8_correction_rms vs Slug



Right In: 420.218+/-0.085 χ^2/NDF : 2319516.7/21

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 471.871+/-0.099 χ^2/NDF : 2211284.5/20

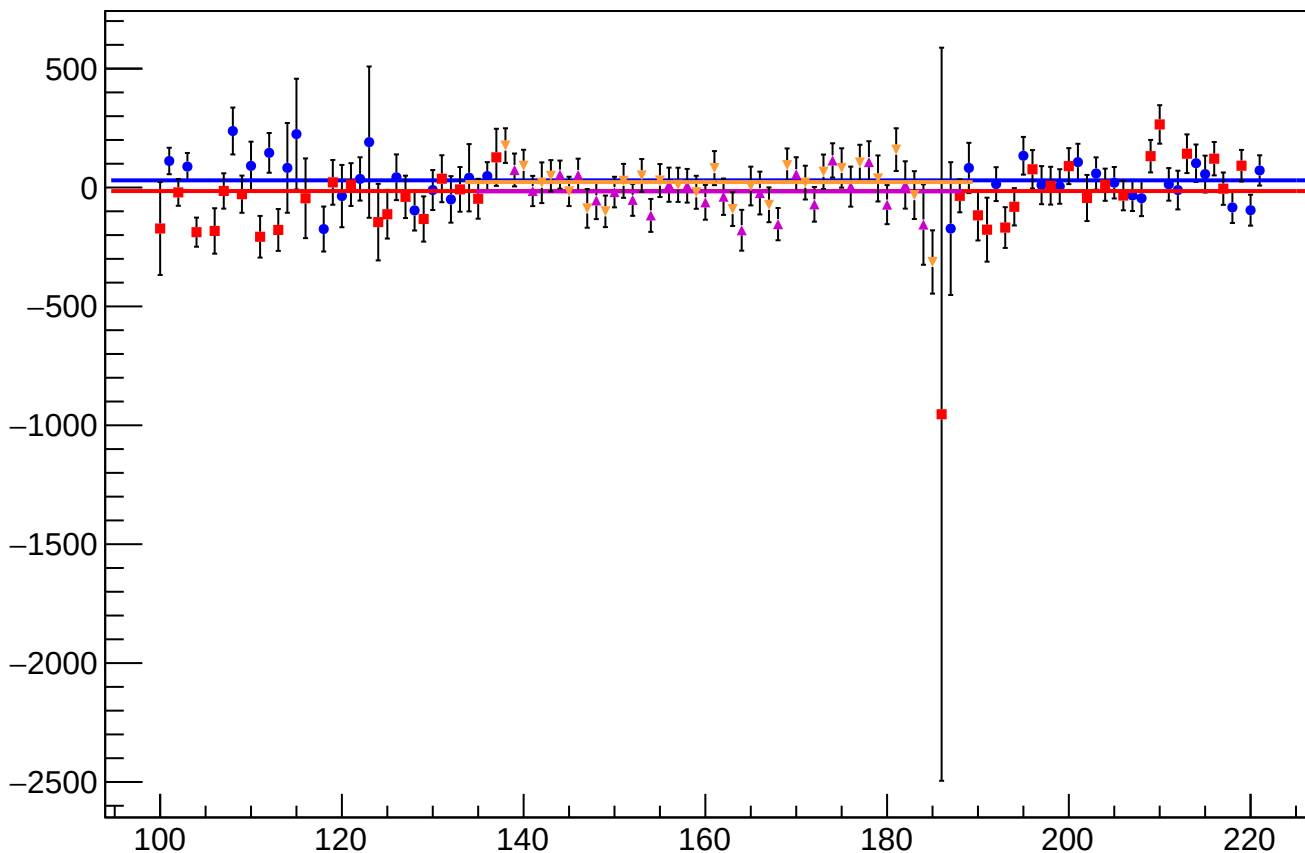
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 291.162+/-0.038 χ^2/NDF : 5950601.6/46

All: 294.980+/-0.028 χ^2/NDF : 12467818.4/90

- sign 299.332+/-0.041 χ^2/NDF : 6496005.7/43

reg_asym_sam_15_avg_mean vs Slug



Right In: 30.176 ± 13.621 χ^2/NDF : 33.4/34

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -14.870 ± 13.764 χ^2/NDF : 62.3/36

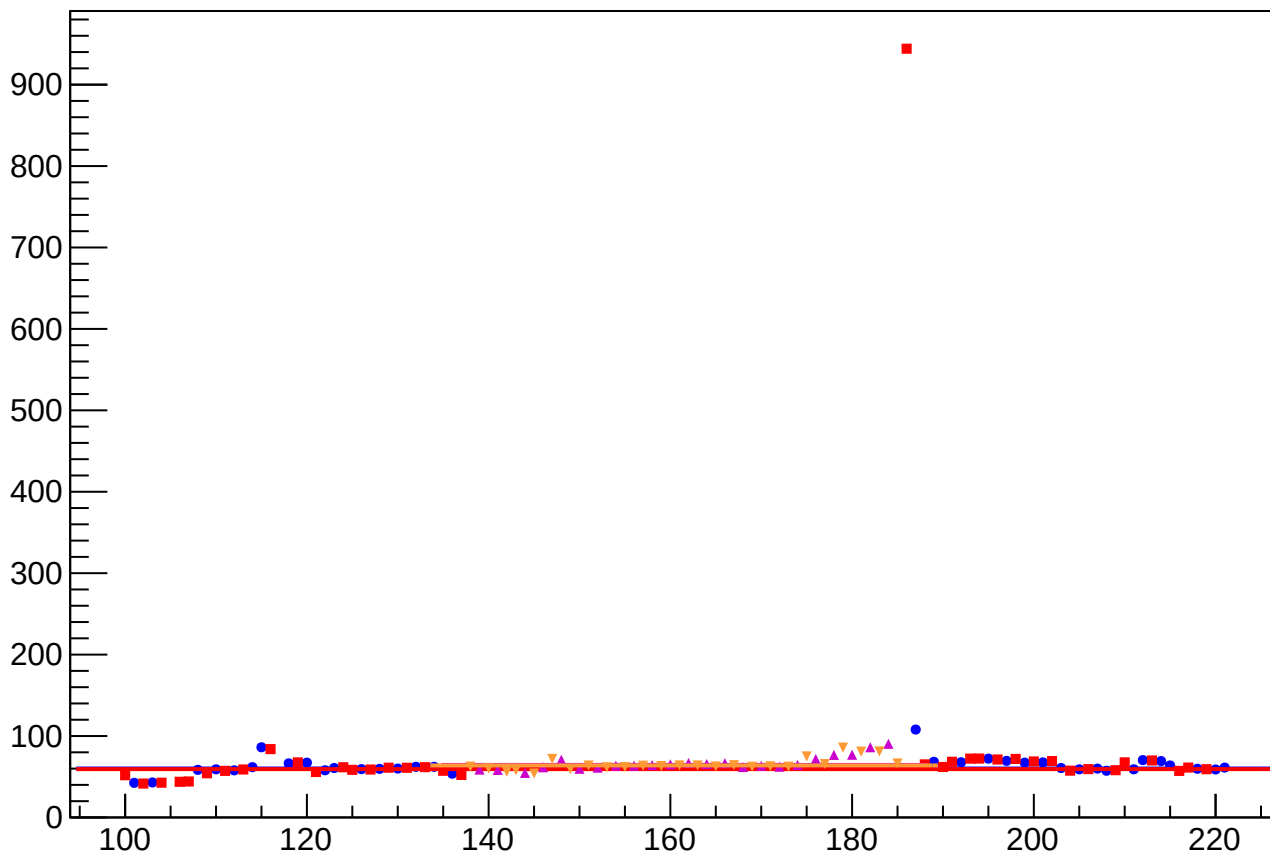
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 26.867 ± 10.074 χ^2/NDF : 62.5/59

All: 6.178 ± 7.202 χ^2/NDF : 156.8/119

- sign -15.454 ± 10.301 χ^2/NDF : 85.7/59

reg_asym_sam_15_avg_rms vs Slug



Right In: 60.088 $\pm$ 0.010 χ^2 /NDF: 724124.9/34

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 59.380 $\pm$ 0.010 χ^2 /NDF: 1556402.0/36

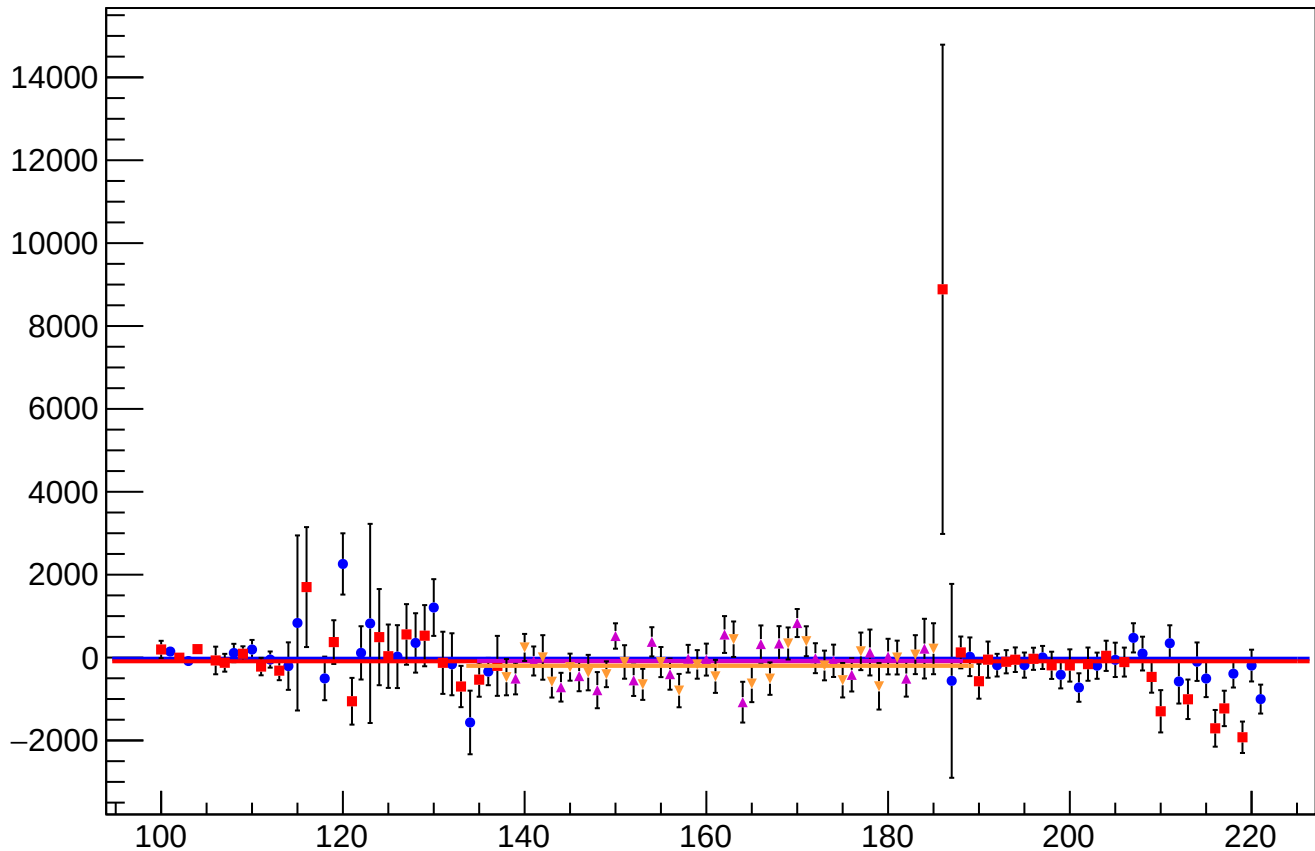
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.824 $\pm$ 0.007 χ^2 /NDF: 1191222.4/59

All: 61.733 $\pm$ 0.005 χ^2 /NDF: 3240724.2/119

- sign 61.637 $\pm$ 0.007 χ^2 /NDF: 2049165.5/59

asym_sam_15_avg_correction_mean vs Slug



Right In: -27.229 ± 44.359 χ^2/NDF : 46.2/34

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -90.157 ± 45.717 χ^2/NDF : 81.6/36

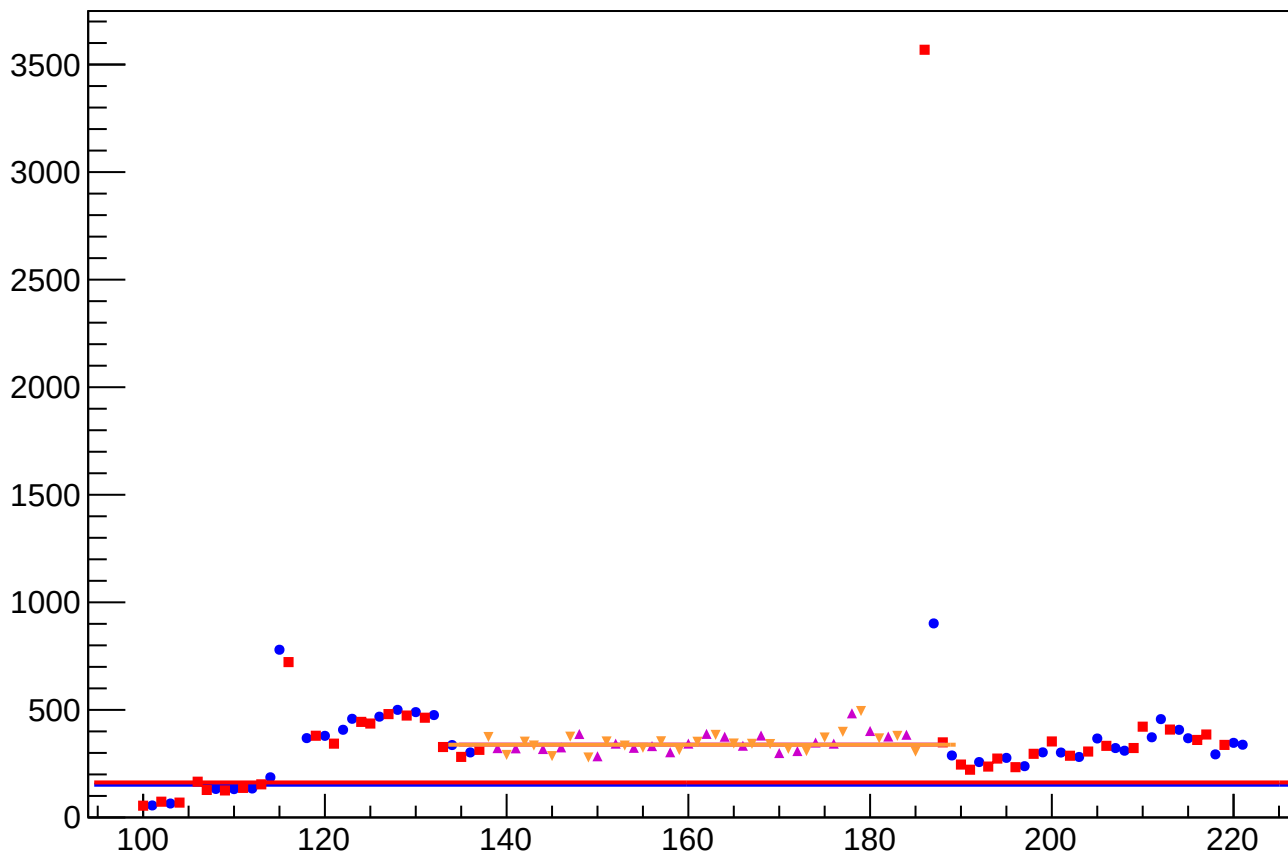
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -68.466 ± 38.742 χ^2/NDF : 69.5/59

All: -77.816 ± 27.797 χ^2/NDF : 184.6/119

- sign -87.735 ± 39.905 χ^2/NDF : 115.0/59

asym_sam_15_avg_correction_rms vs Slug



Right In: 152.190+/-0.031 χ^2/NDF : 15424192.2/34

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 162.772+/-0.032 χ^2/NDF : 13155676.8/36

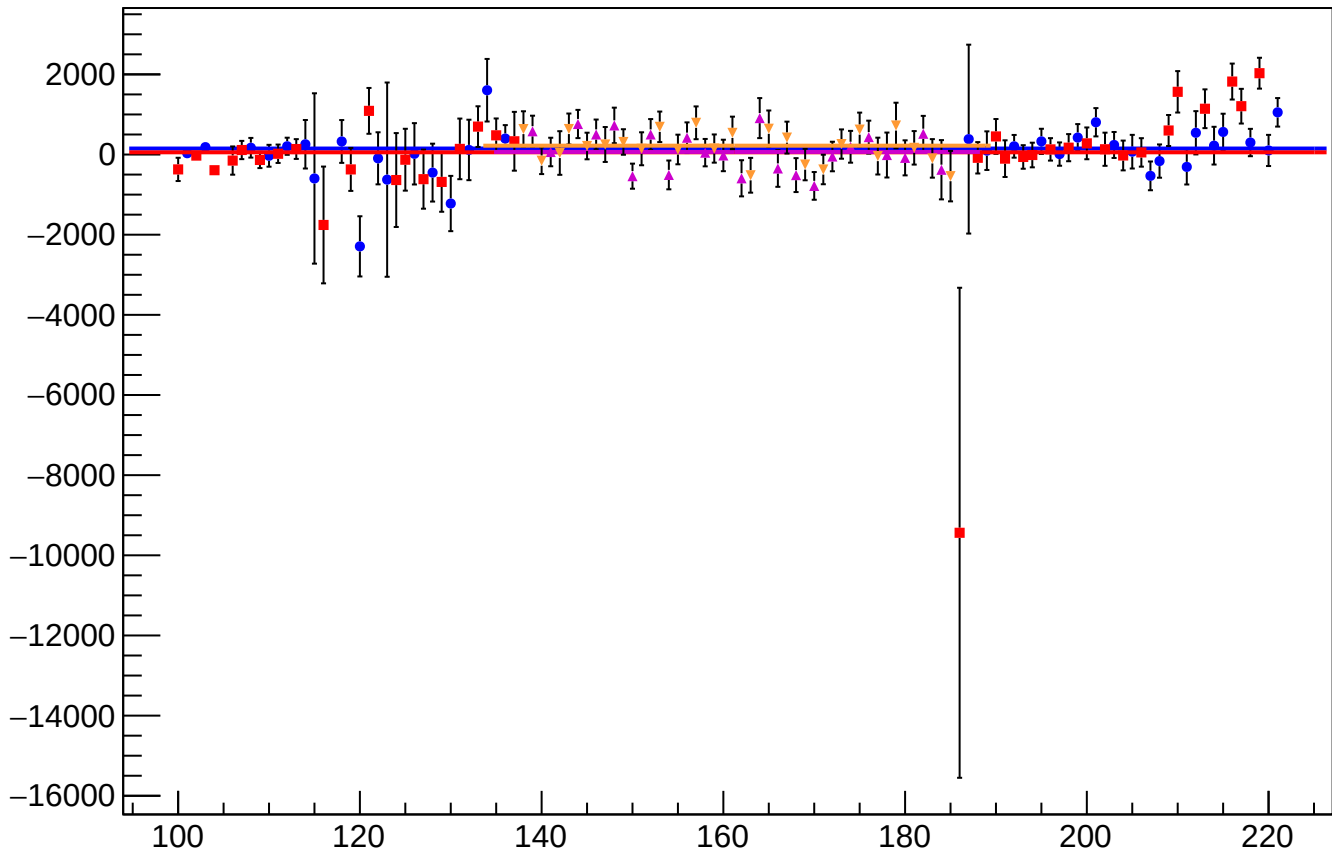
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 196.294+/-0.027 χ^2/NDF : 24258099.1/59

All: 200.338+/-0.020 χ^2/NDF : 44936719.1/11

- sign 204.627+/-0.028 χ^2/NDF : 20633722.8/59

asym_sam_15_avg_mean vs Slug



Right In: 149.809 $\pm$ 51.568 χ^2 /NDF: 39.6/34

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: 55.581 $\pm$ 50.687 χ^2 /NDF: 96.9/36

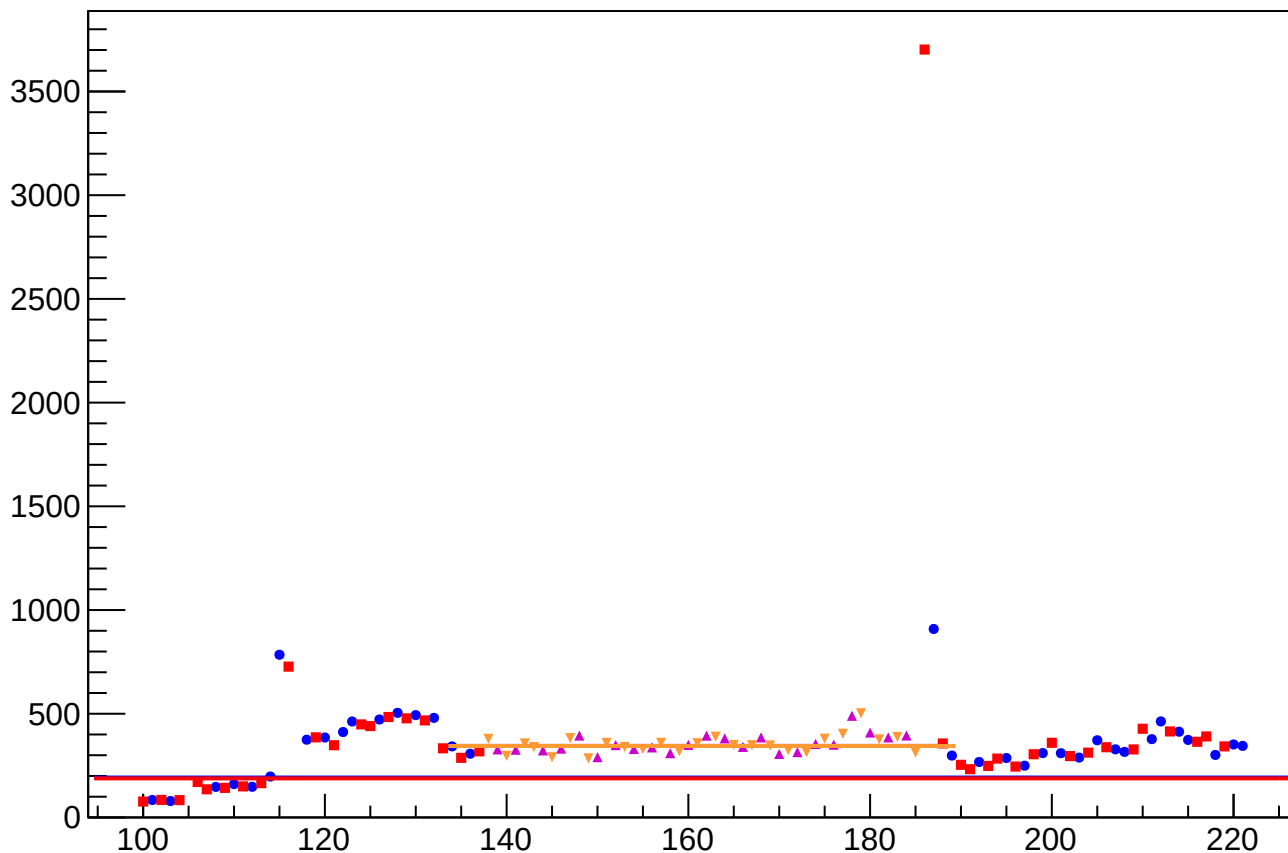
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 170.359 $\pm$ 43.503 χ^2 /NDF: 59.9/59

All: 114.053 $\pm$ 30.691 χ^2 /NDF: 194.1/119

- sign 58.263 $\pm$ 43.304 χ^2 /NDF: 130.9/59

asym_sam_15_avg_rms vs Slug



Right In: 192.451+/-0.036 χ^2/NDF : 11428232.0/34

Left Out: 344.506+/-0.057 χ^2/NDF : 488323.4/24

Right Out: 188.315+/-0.036 χ^2/NDF : 10953564.8/36

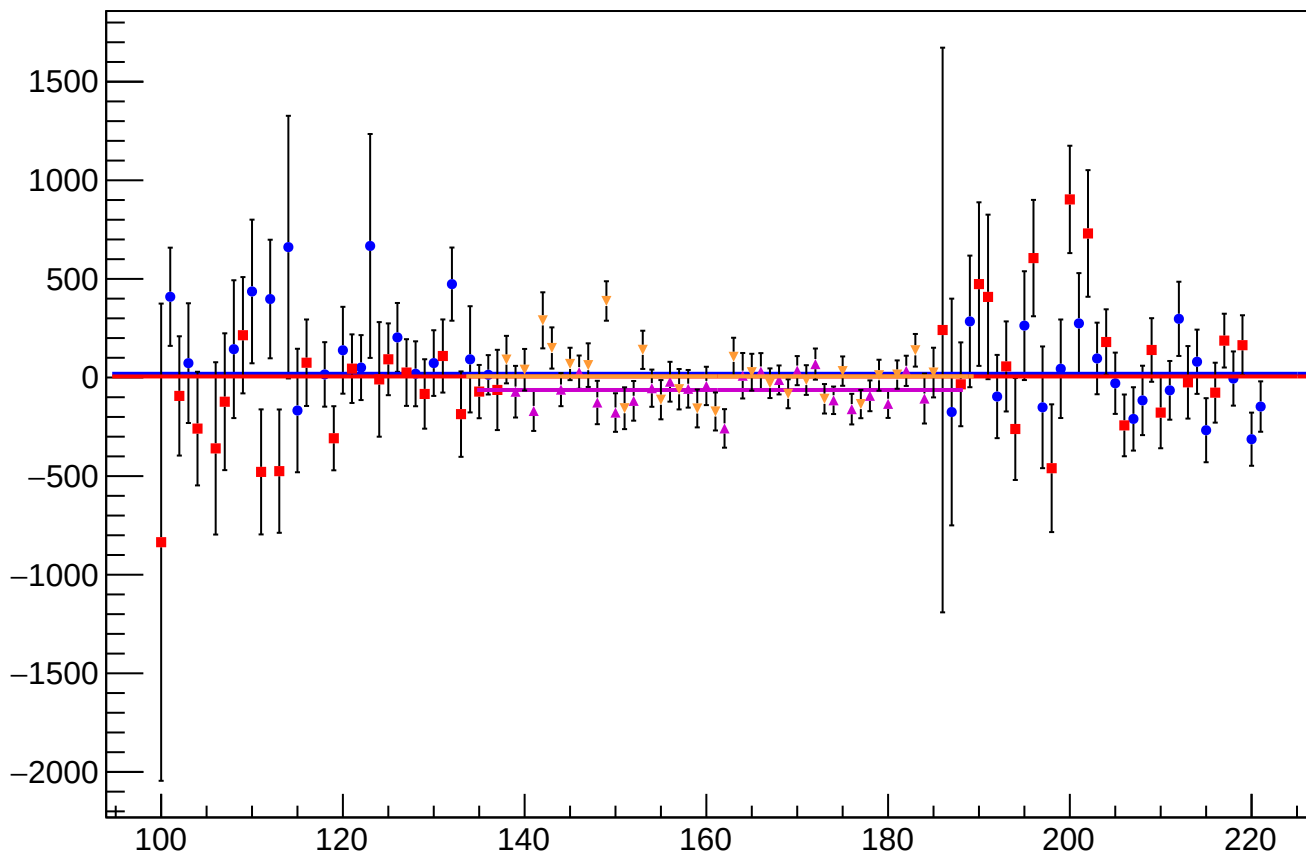
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 236.291+/-0.031 χ^2/NDF : 16930144.2/59

All: 233.457+/-0.022 χ^2/NDF : 33492946.3/114

- sign 230.650+/-0.031 χ^2/NDF : 16545907.8/59

reg_asym_sam_26_avg_mean vs Slug



Right In: 18.841 ± 32.215 χ^2/NDF : 35.3/34

Left Out: 6.020 ± 17.910 χ^2/NDF : 46.0/24

Right Out: 5.298 ± 34.752 χ^2/NDF : 47.4/36

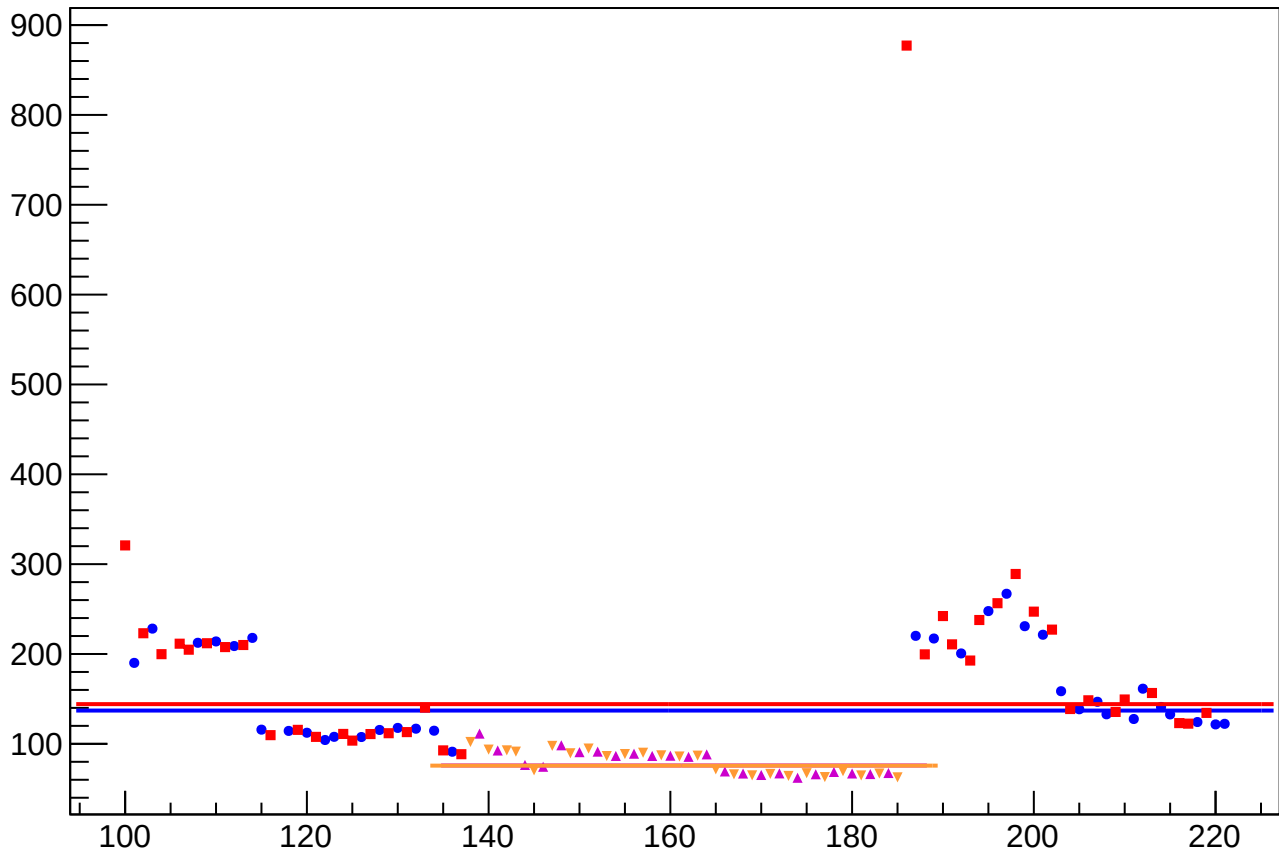
Left In: -63.279 ± 18.447 χ^2/NDF : 19.8/22

+ sign 9.047 ± 15.654 χ^2/NDF : 81.5/59

All: -18.433 ± 11.288 χ^2/NDF : 158.2/119

- sign -48.205 ± 16.293 χ^2/NDF : 70.3/59

reg_asym_sam_26_avg_rms vs Slug



Right In: 137.042 $\pm$ 0.023 χ^2 /NDF: 3000073.7/34

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 144.191 $\pm$ 0.025 χ^2 /NDF: 4006391.1/36

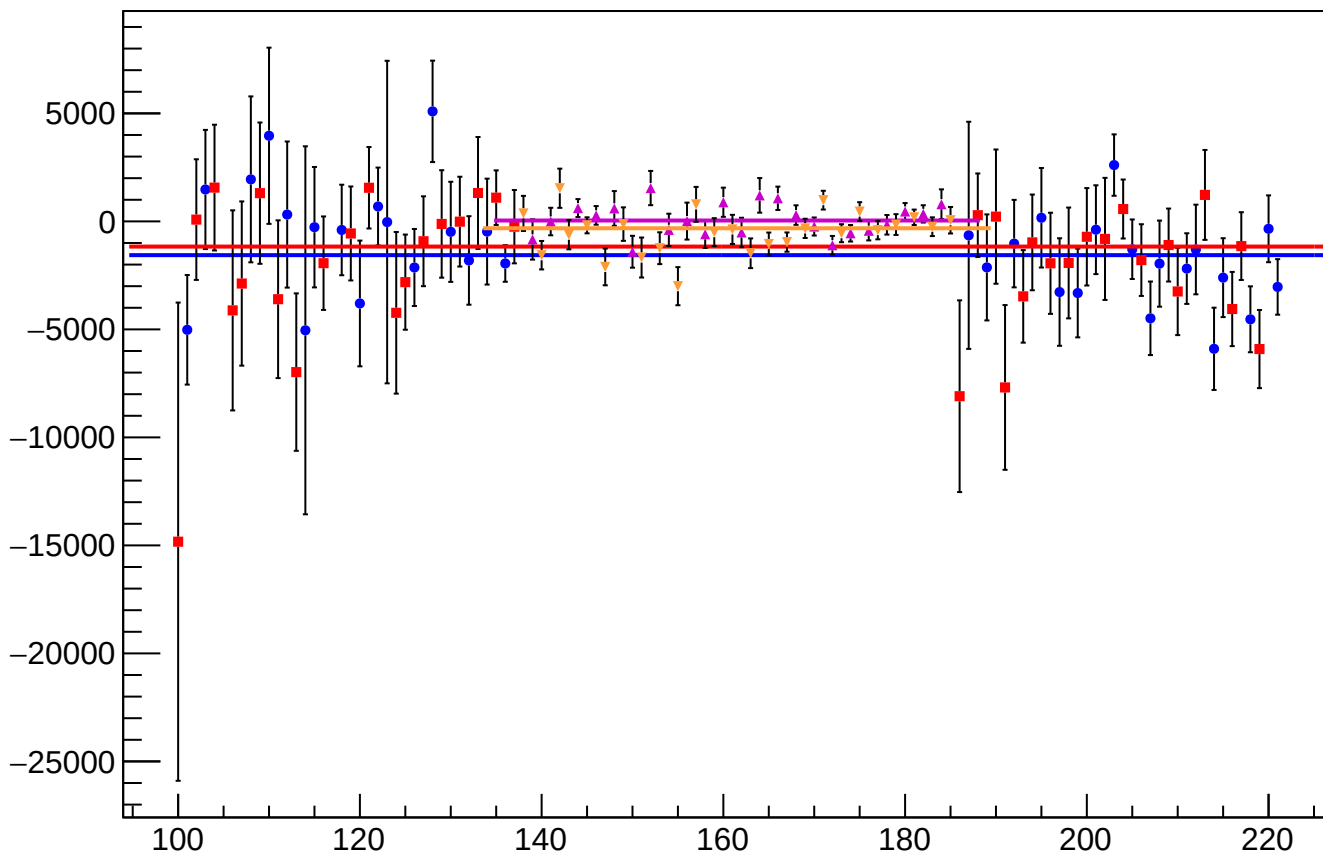
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 90.215 $\pm$ 0.011 χ^2 /NDF: 9469439.7/59

All: 90.553 $\pm$ 0.008 χ^2 /NDF: 20333017.9/119

- sign 90.919 $\pm$ 0.012 χ^2 /NDF: 10861638.7/59

asym_sam_26_avg_correction_mean vs Slug



Right In: -1563.106 ± 327.649 χ^2/NDF : 43.0/34

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -1166.496 ± 360.600 χ^2/NDF : 36.6/36

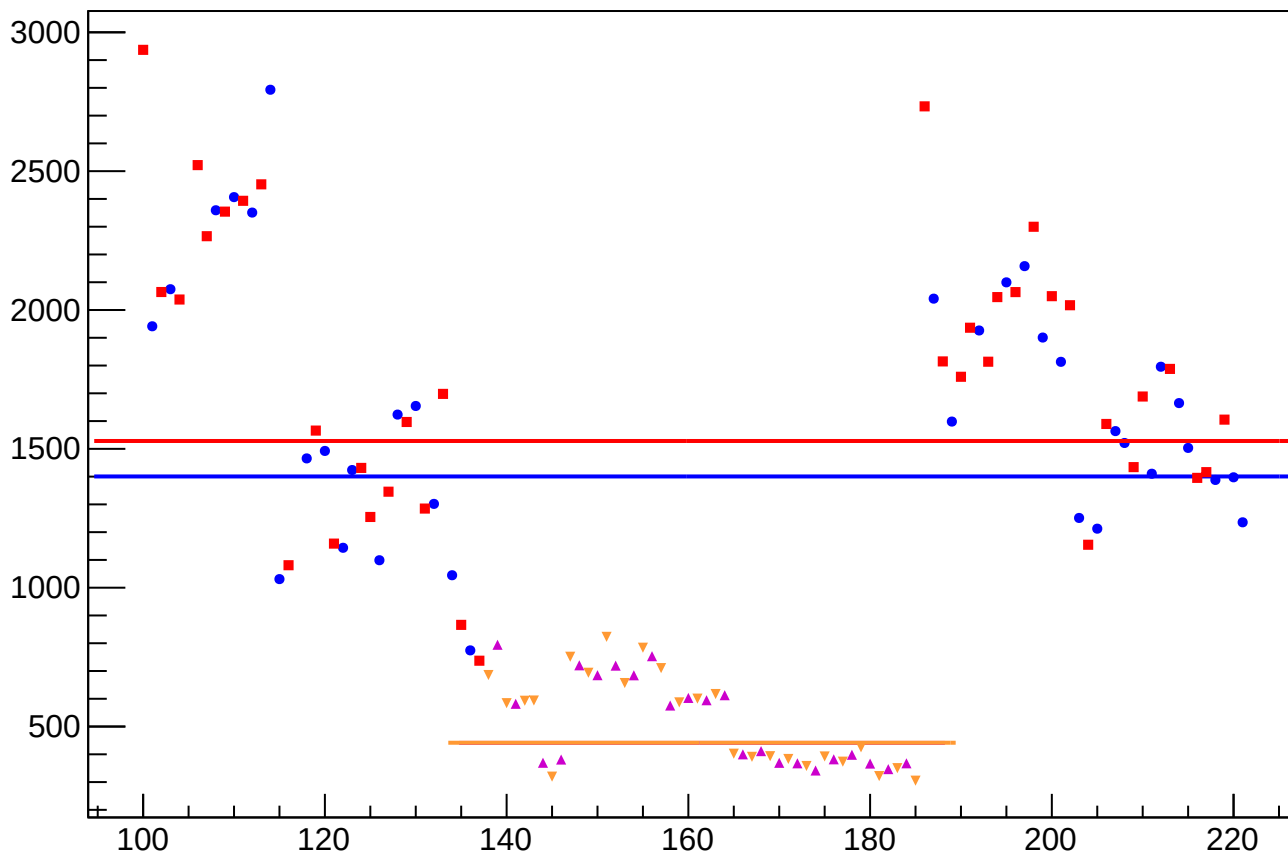
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -440.109 ± 102.583 χ^2/NDF : 106.0/59

All: -256.582 ± 73.525 χ^2/NDF : 194.2/119

- sign -62.711 ± 105.434 χ^2/NDF : 81.6/59

asym_sam_26_avg_correction_rms vs Slug



Right In: 1400.598 $\pm$ 0.232 χ^2 /NDF: 2966140.4/34

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

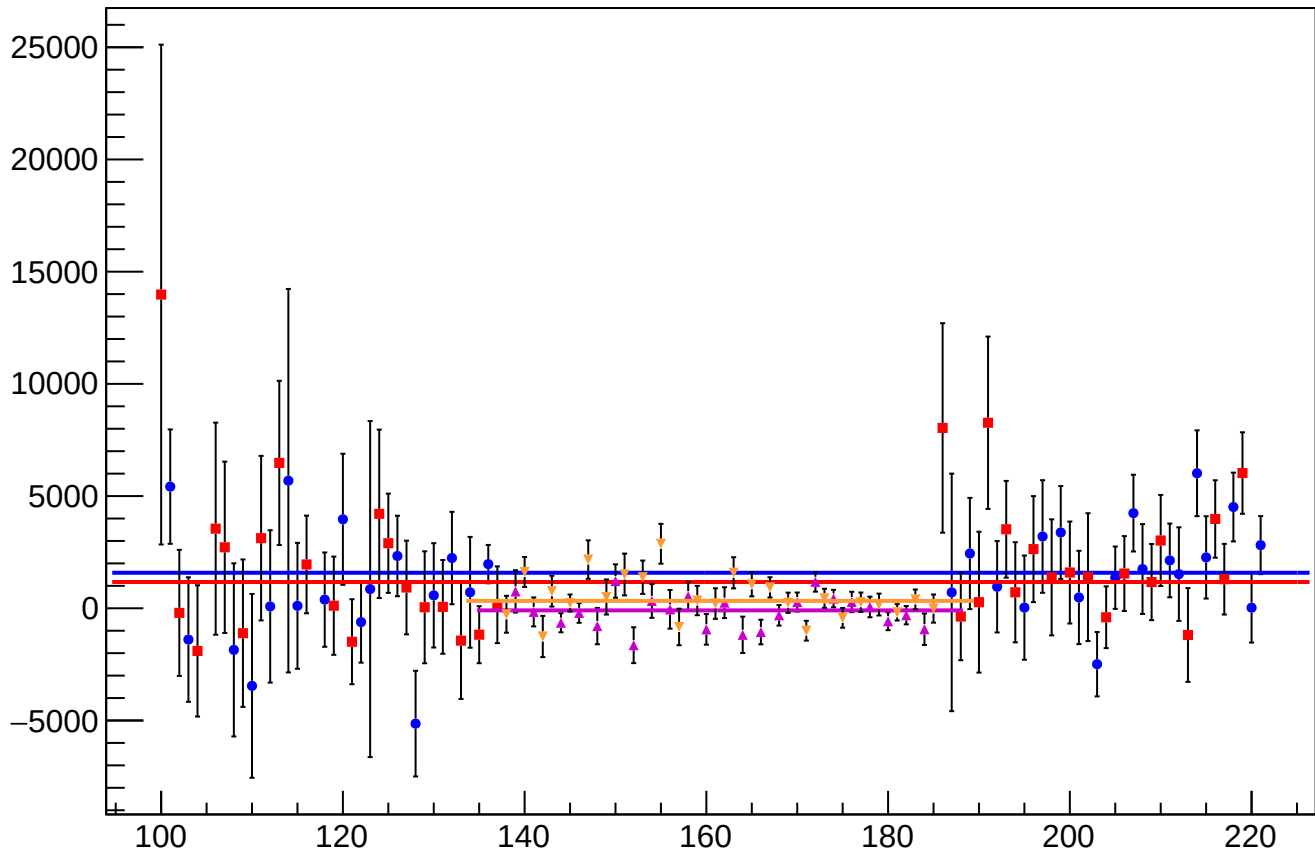
Left In: 441.009 $\pm$ 0.078 χ^2 /NDF: 2597018.1/22

+ sign 535.682 $\pm$ 0.073 χ^2 /NDF: 21586639.8/59

All: 534.845 $\pm$ 0.052 χ^2 /NDF: 43799613.3/11

- sign 533.962 $\pm$ 0.075 χ^2 /NDF: 22212700.3/59

asym_sam_26_avg_mean vs Slug



Right In: 1583.103 $\pm$ 329.570 χ^2 /NDF: 41.7/34

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

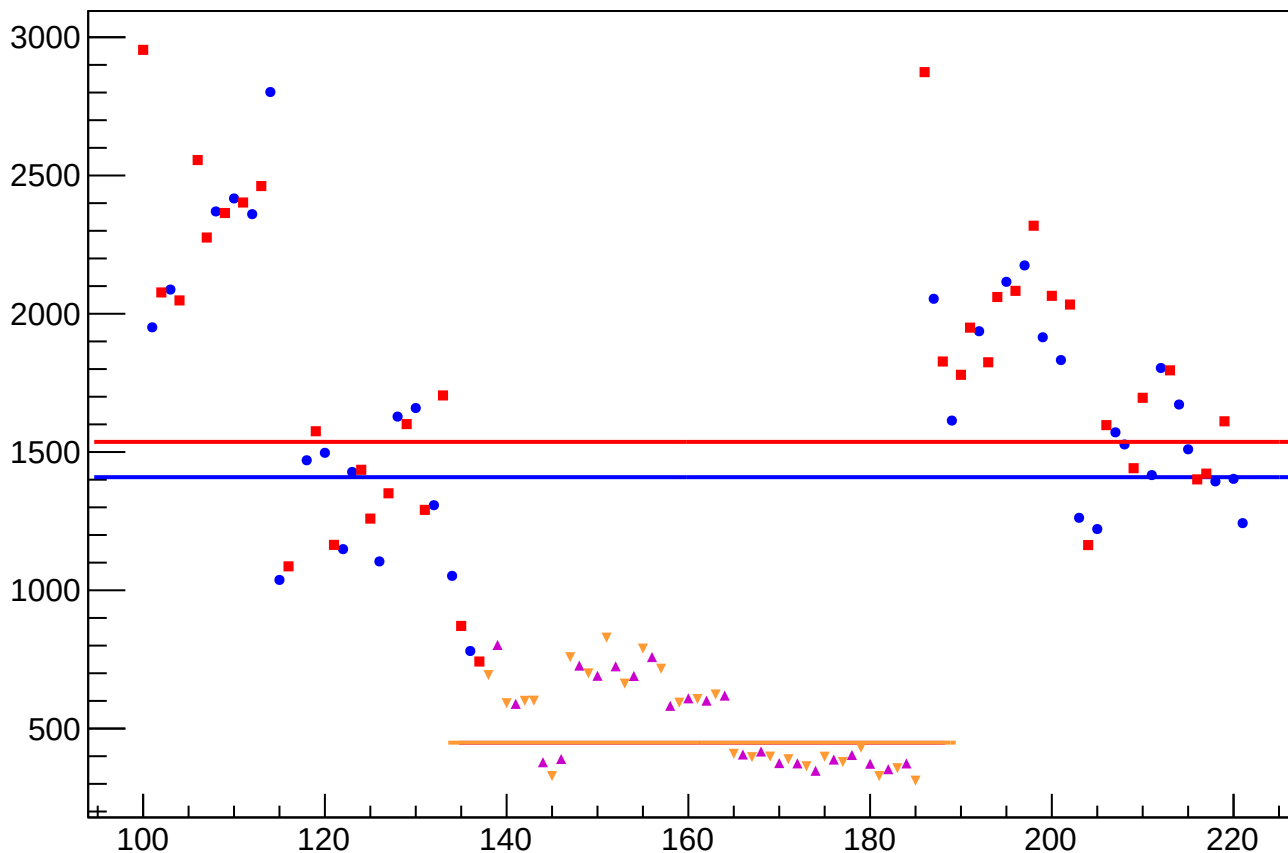
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 453.662 $\pm$ 104.058 χ^2 /NDF: 102.5/59

All: 241.233 $\pm$ 74.592 χ^2 /NDF: 191.5/119

- sign 16.711 $\pm$ 106.979 χ^2 /NDF: 80.5/59

asym_sam_26_avg_rms vs Slug



Right In: 1409.061 $\pm$ 0.233 χ^2 /NDF: 2954798.2/34

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

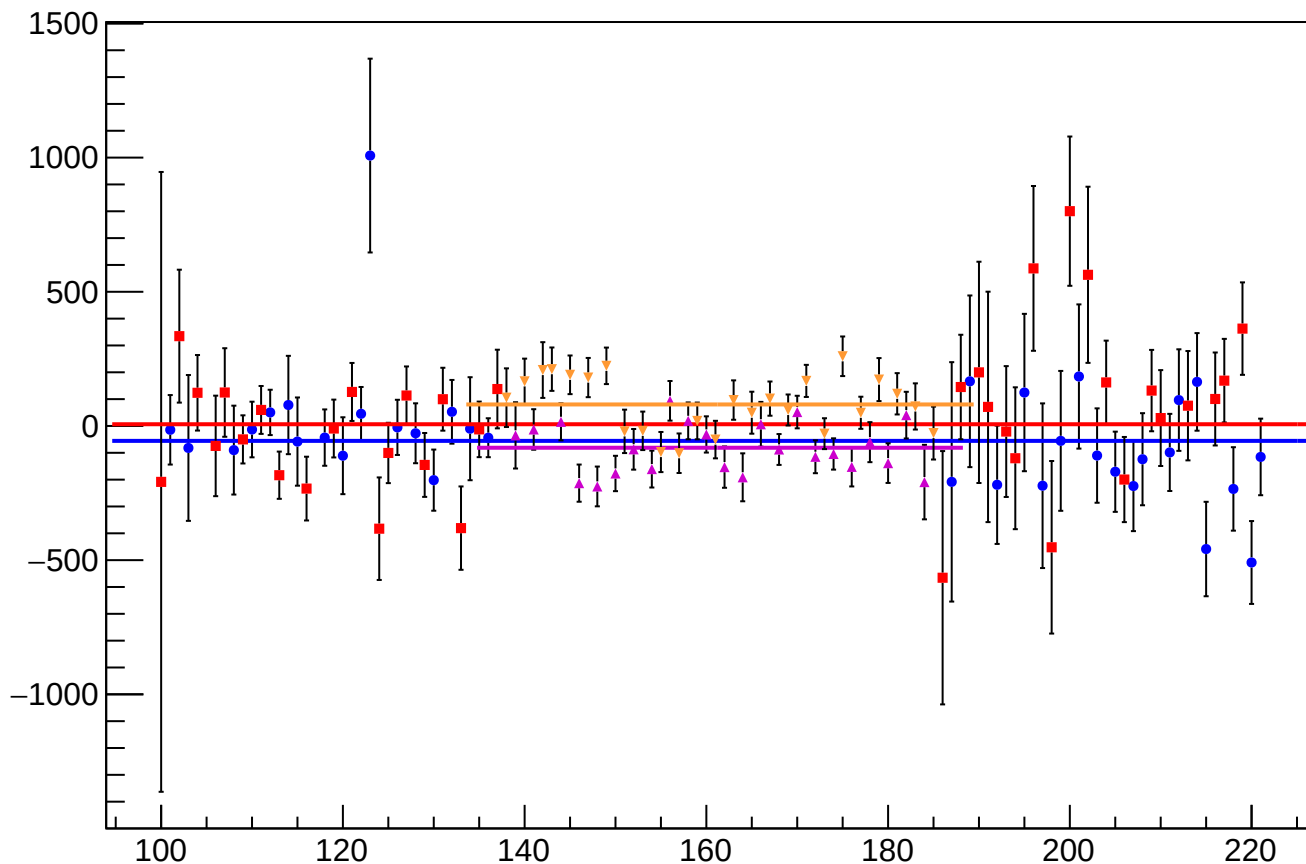
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF: 2537376.0/22

+ sign 544.724 $\pm$ 0.074 χ^2 /NDF: 21324744.0/59

All: 543.879 $\pm$ 0.053 χ^2 /NDF: 43310077.2/11

- sign 542.986 $\pm$ 0.076 χ^2 /NDF: 21985062.0/59

reg_asym_sam_37_avg_mean vs Slug



Right In: -55.552 ± 24.247 $\chi^2/\text{NDF}: 37.2/34$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: 6.436 ± 24.434 $\chi^2/\text{NDF}: 57.5/36$

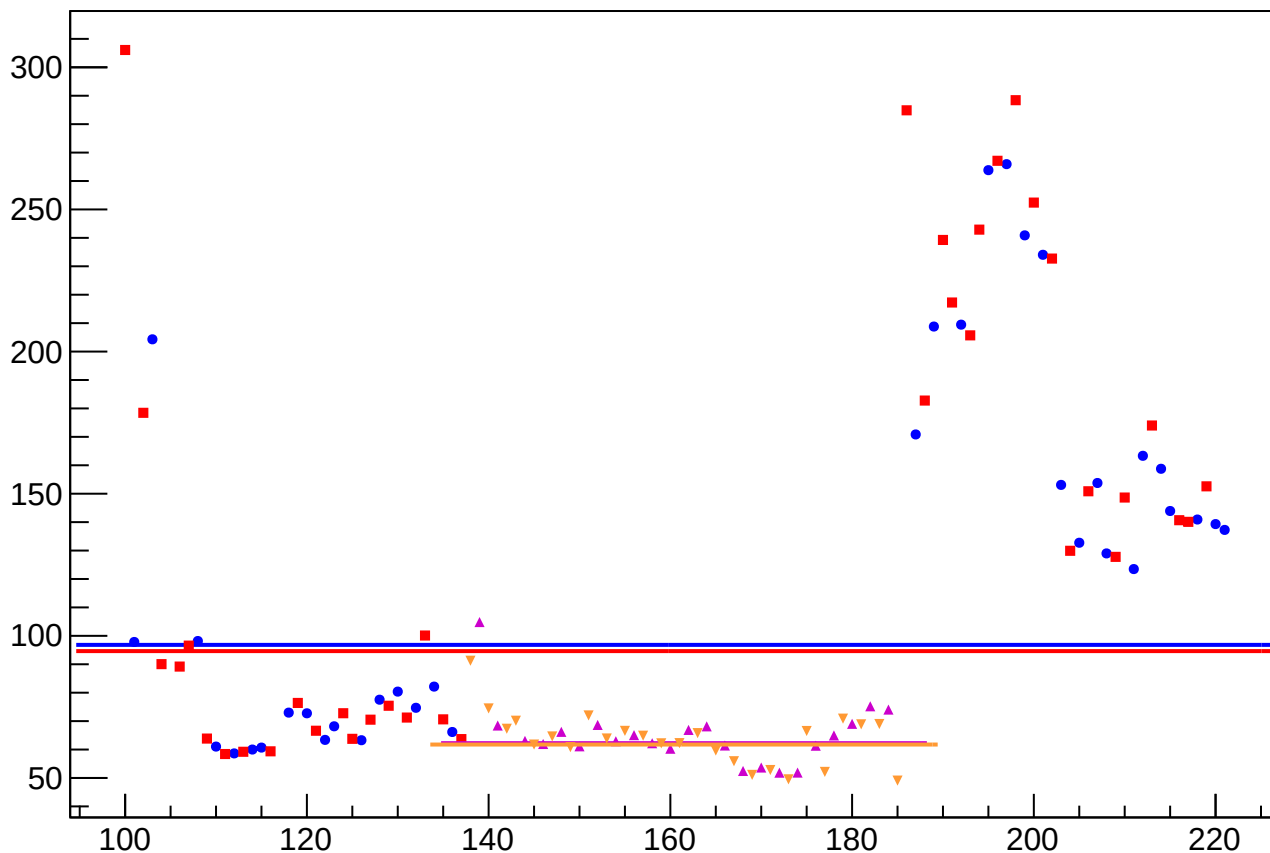
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 44.085 ± 12.503 $\chi^2/\text{NDF}: 108.7/59$

All: -5.048 ± 8.961 $\chi^2/\text{NDF}: 242.6/119$

- sign -56.936 ± 12.848 $\chi^2/\text{NDF}: 102.1/59$

reg_asym_sam_37_avg_rms vs Slug



Right In: 96.820 $\pm$ 0.017 χ^2 /NDF: 7282239.1/34

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

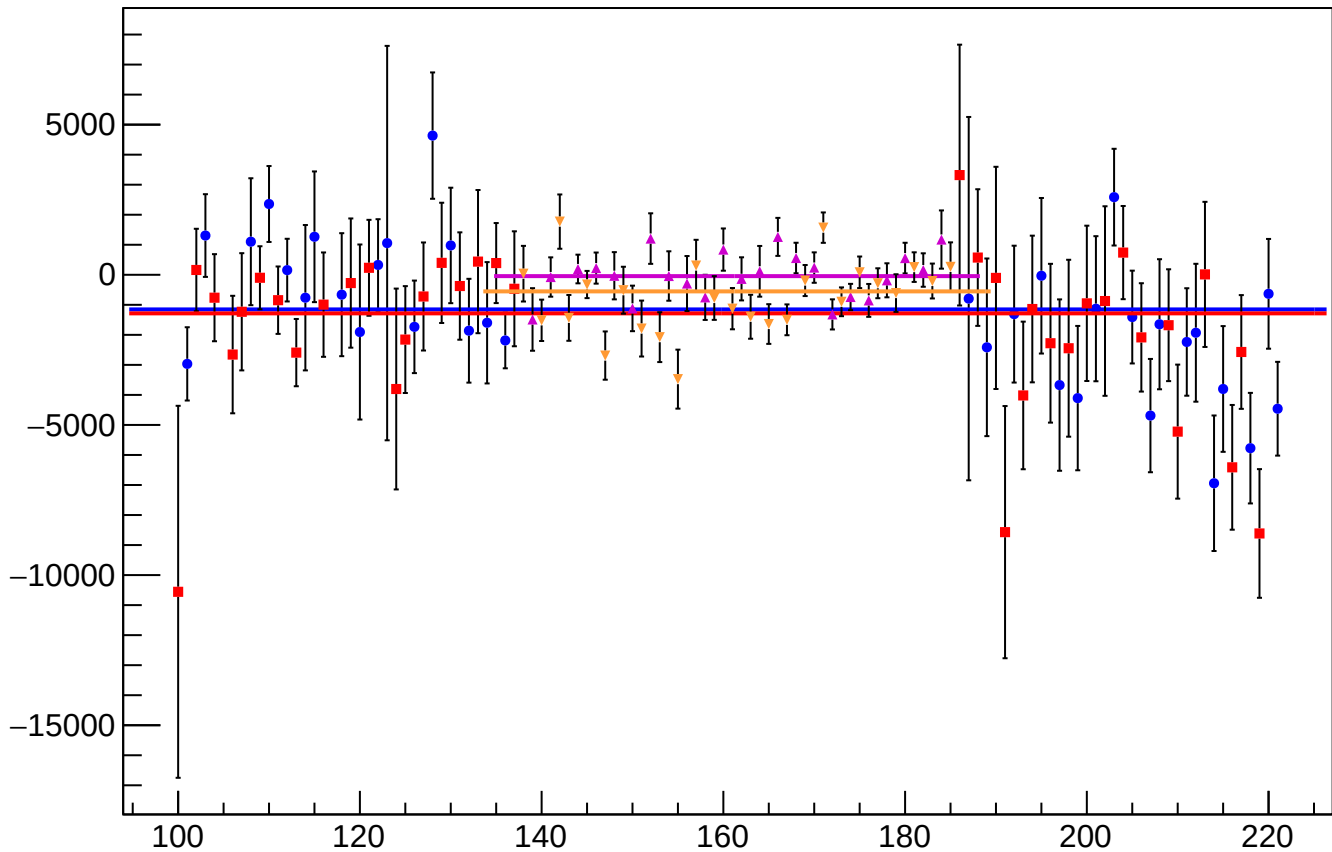
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 71.082 $\pm$ 0.009 χ^2 /NDF: 10997322.4/59

All: 71.141 $\pm$ 0.006 χ^2 /NDF: 22311736.3/119

- sign 71.203 $\pm$ 0.009 χ^2 /NDF: 11314323.4/59

asym_sam_37_avg_correction_mean vs Slug



Right In: -1153.230 ± 301.530 χ^2/NDF : 59.8/34

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -1284.621 ± 306.976 χ^2/NDF : 42.1/36

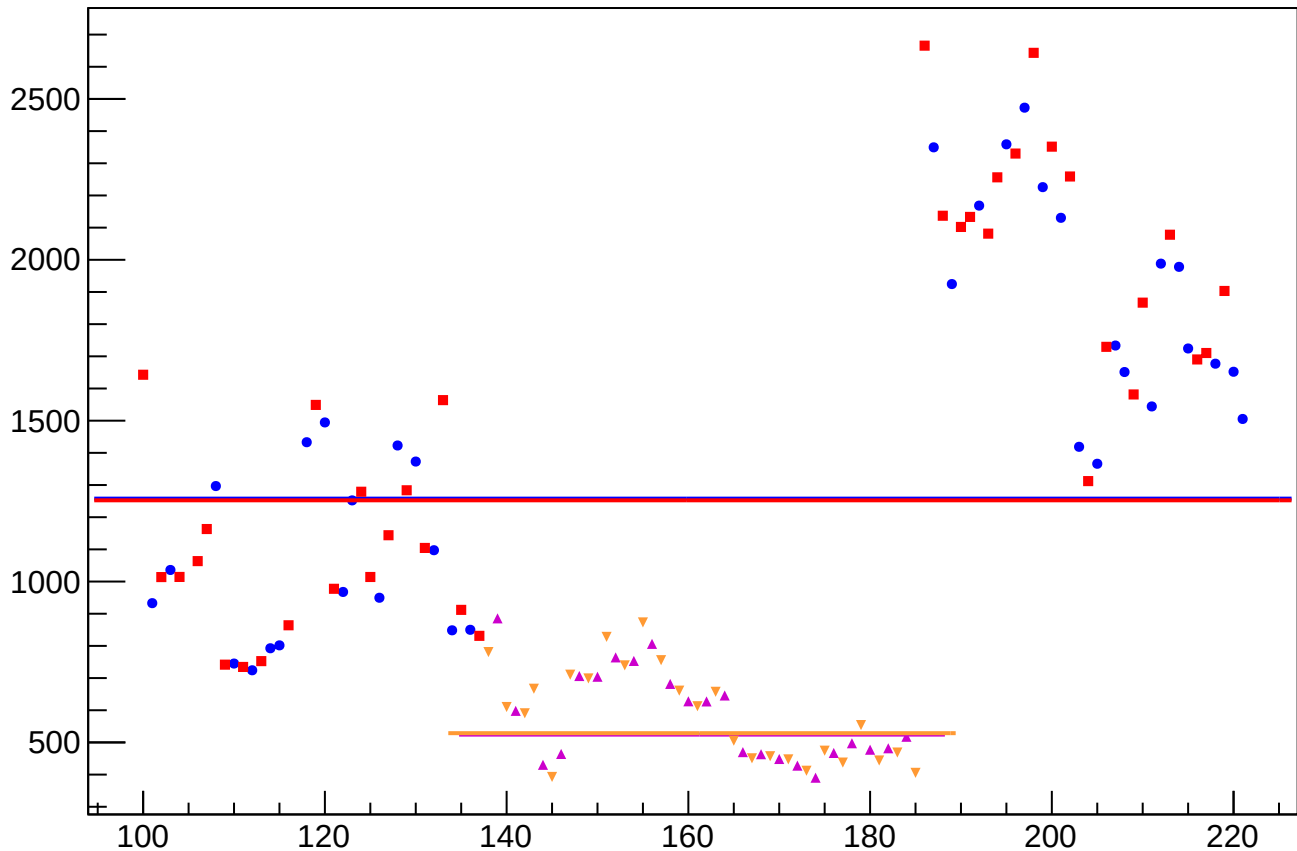
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -642.997 ± 117.027 χ^2/NDF : 128.5/59

All: -440.405 ± 83.439 χ^2/NDF : 220.2/119

- sign -230.926 ± 119.000 χ^2/NDF : 85.6/59

asym_sam_37_avg_correction_rms vs Slug



Right In: 1257.708 $\pm$ 0.213 χ^2 /NDF: 4716213.2/34

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF: 1983697.7/24

+ sign 638.541 $\pm$ 0.083 χ^2 /NDF: 16628501.5/59

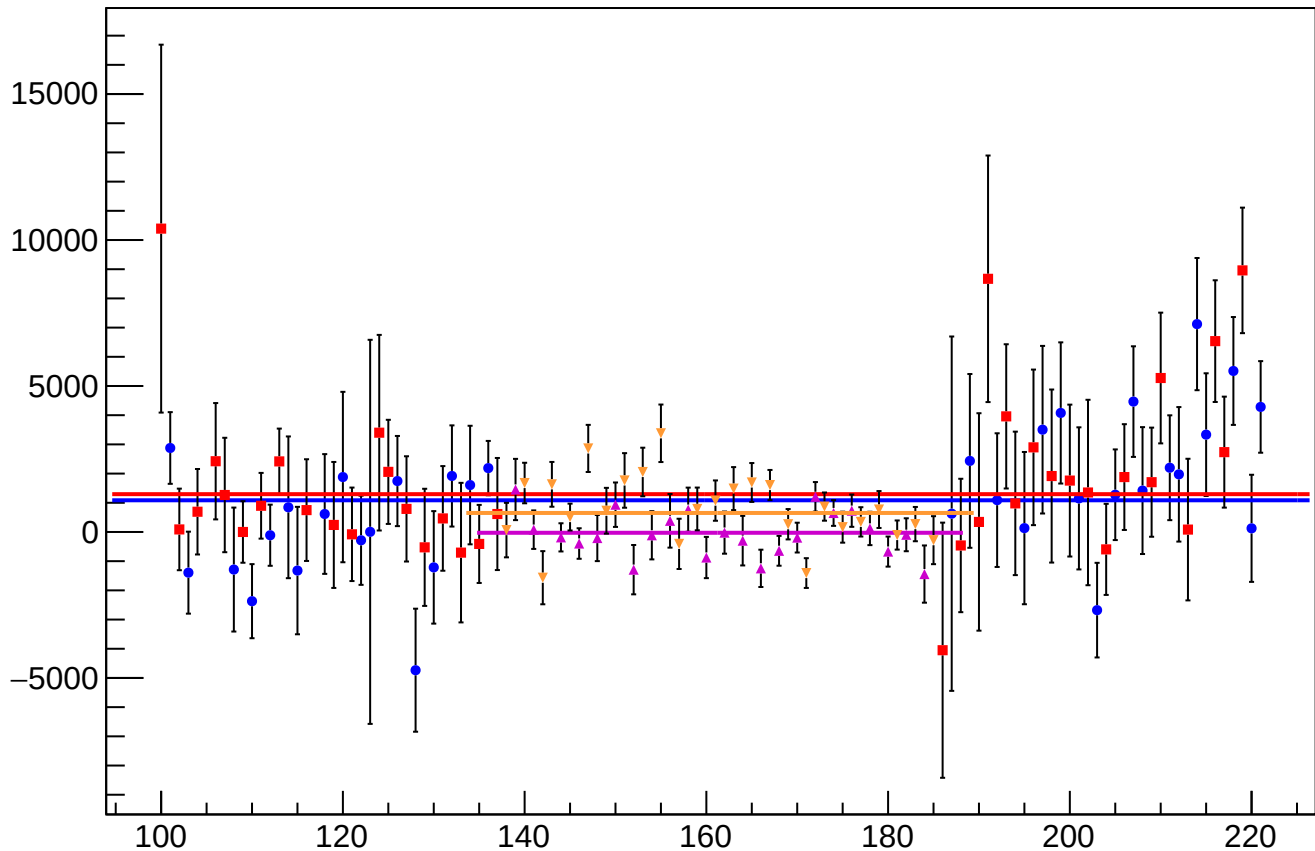
Right Out: 1252.495 $\pm$ 0.217 χ^2 /NDF: 5555542.5/36

All: 636.162 $\pm$ 0.059 χ^2 /NDF: 33465857.5/1

Left In: 524.268 $\pm$ 0.091 χ^2 /NDF: 1716257.3/22

- sign 633.702 $\pm$ 0.084 χ^2 /NDF: 16835674.8/59

asym_sam_37_avg_mean vs Slug



Right In: 1085.342 $\pm$ 302.912 χ^2 /NDF: 58.5/34

Left Out: 651.560 $\pm$ 127.961 χ^2 /NDF:61.1/24

Right Out: 1294.962 $\pm$ 308.487 χ^2 /NDF: 42.6/36

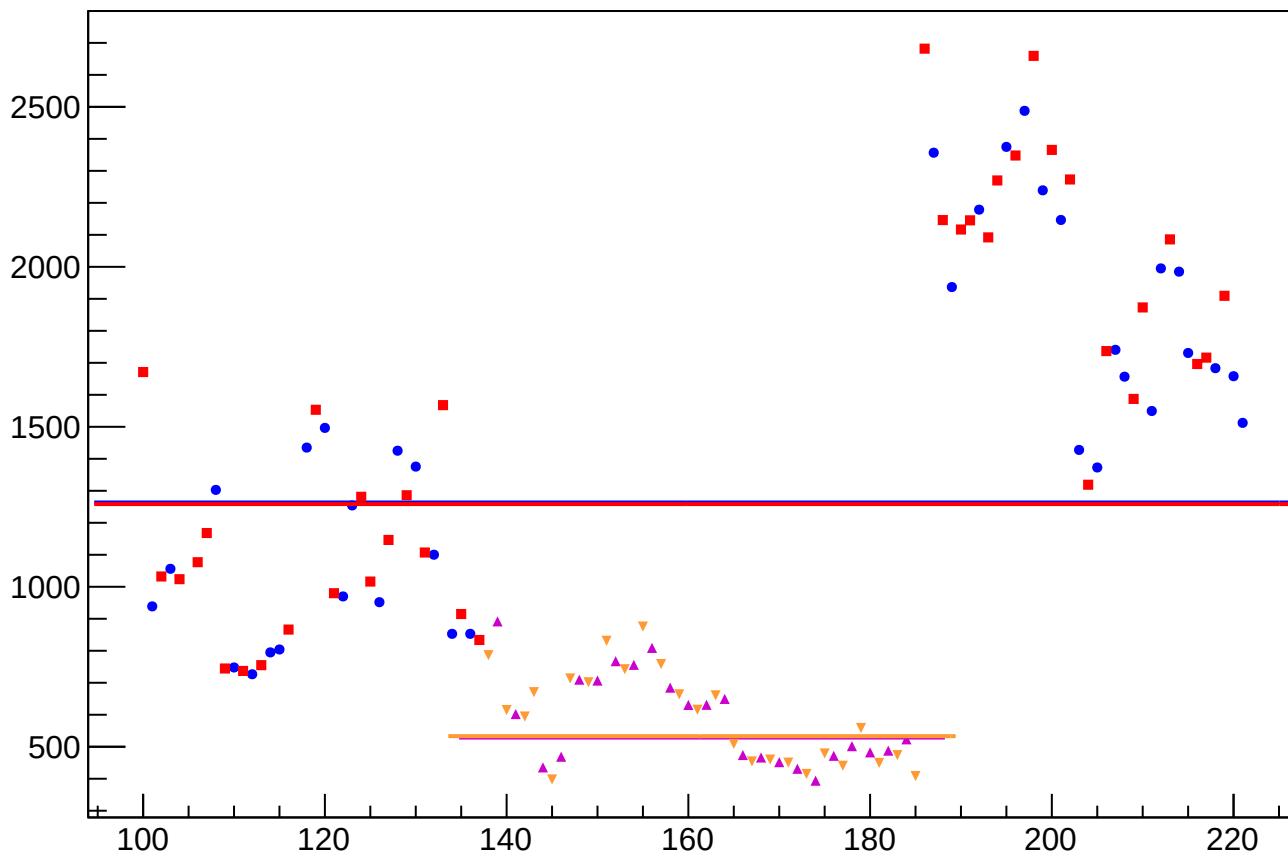
Left In: -27.483 $\pm$ 130.127 χ^2 /NDF:28.5/22

+ sign 717.247 $\pm$ 117.875 χ^2 /NDF: 121.3/59

All: 449.396 $\pm$ 84.056 χ^2 /NDF: 218.5/119

- sign 172.280 $\pm$ 119.896 χ^2 /NDF: 86.7/59

asym_sam_37_avg_rms vs Slug



Right In: 1263.421 $\pm$ 0.214 χ^2 /NDF: 4719491.2/34

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

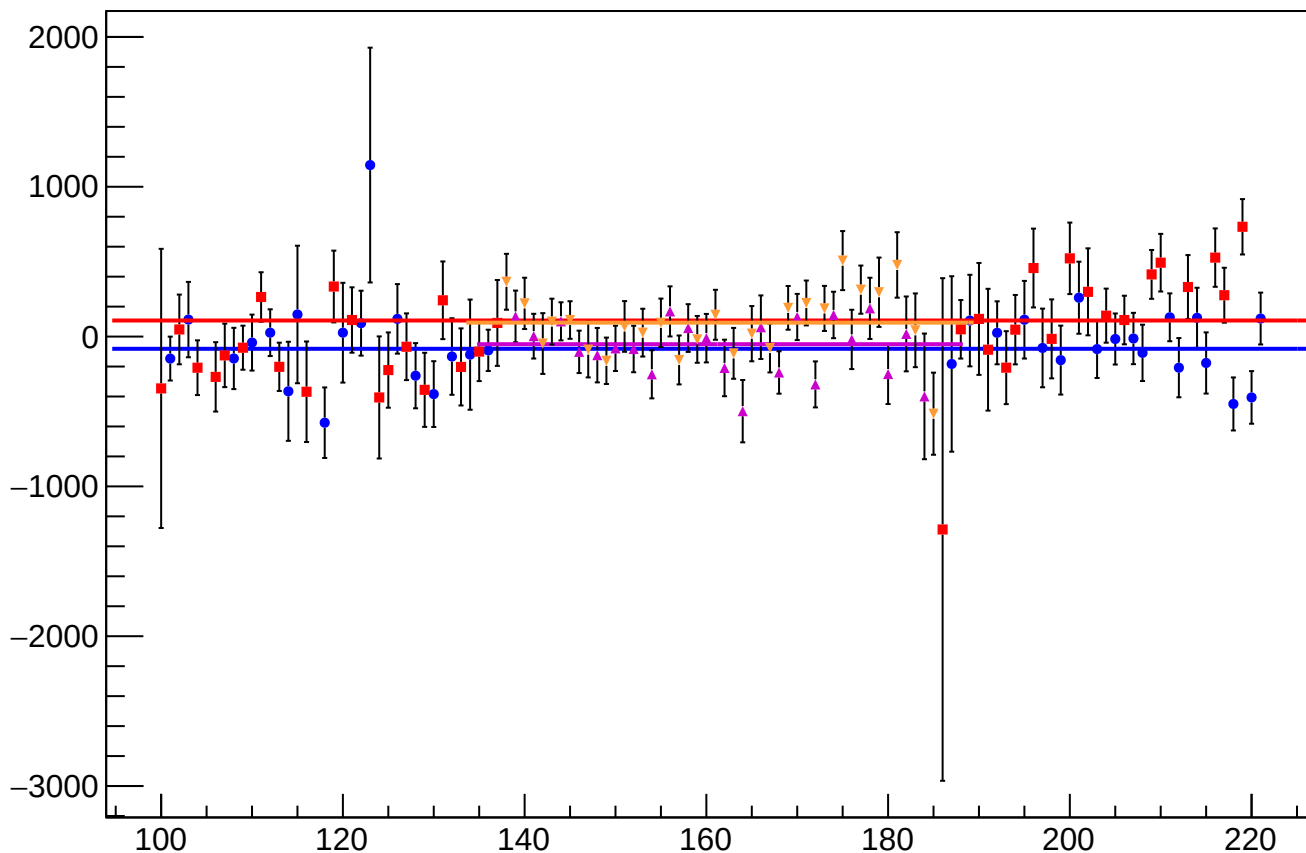
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF: 1688511.2/22

+ sign 643.659 $\pm$ 0.083 χ^2 /NDF: 16537481.0/59

All: 641.332 $\pm$ 0.059 χ^2 /NDF: 33289005.8/1

- sign 638.925 $\pm$ 0.085 χ^2 /NDF: 16749939.4/59

reg_asym_sam_48_avg_mean vs Slug



Right In: -81.561 ± 35.522 χ^2/NDF : 29.6/34

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: 107.292 ± 36.275 χ^2/NDF : 60.3/36

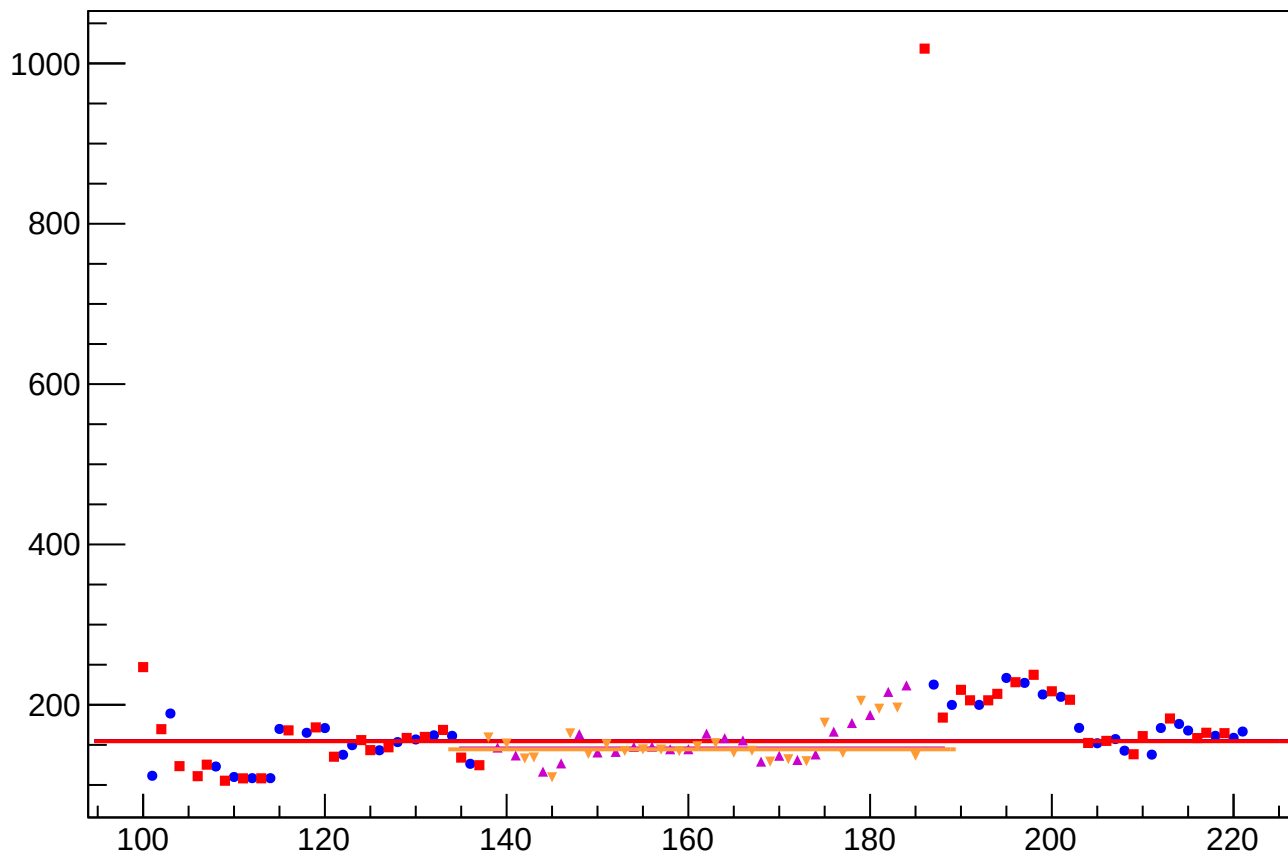
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 9.398 ± 24.582 χ^2/NDF : 71.6/59

All: 17.462 ± 17.628 χ^2/NDF : 165.3/119

- sign 25.998 ± 25.291 χ^2/NDF : 93.5/59

reg_asym_sam_48_avg_rms vs Slug



Right In: 154.857 $\pm$ 0.025 χ^2 /NDF: 1544426.6/34

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

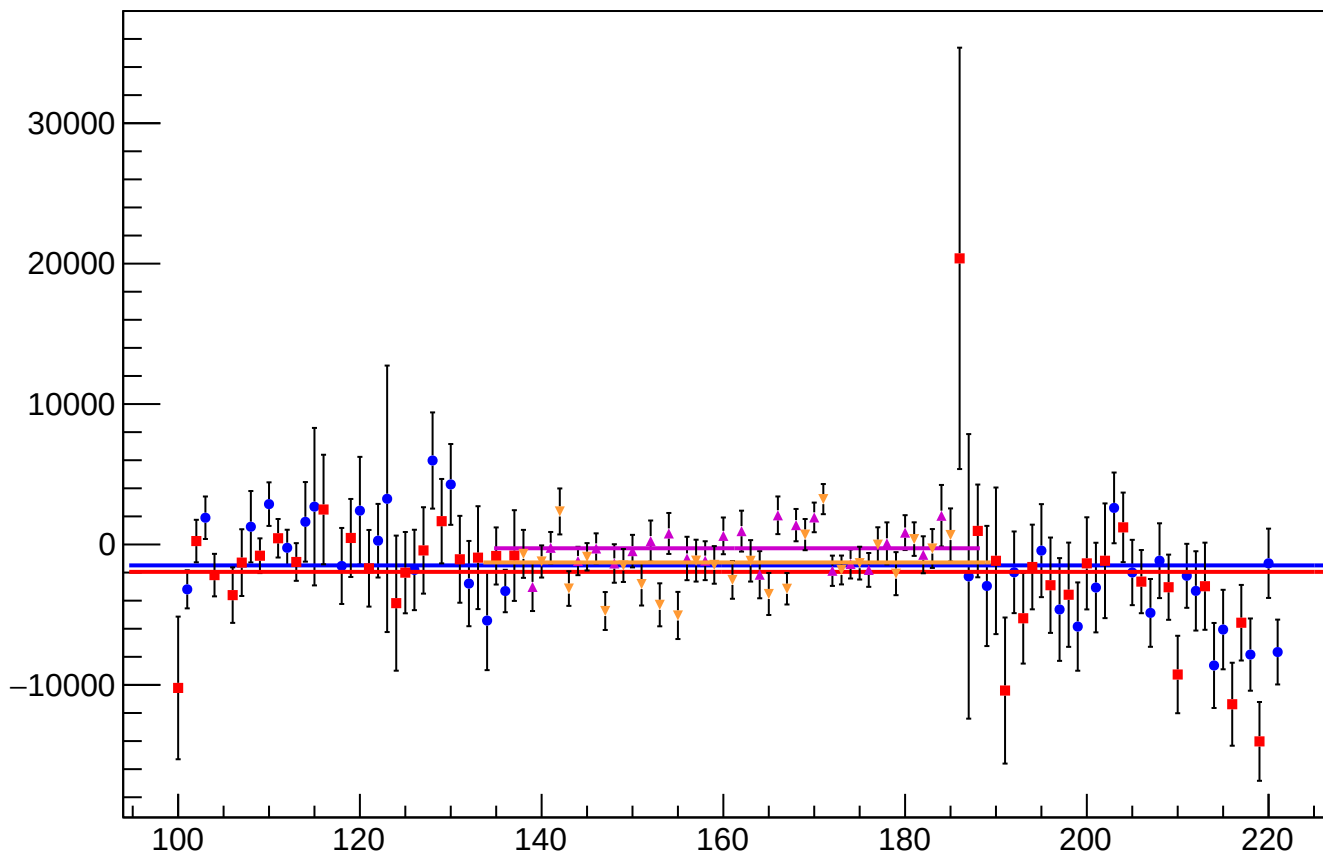
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 149.447 $\pm$ 0.017 χ^2 /NDF: 2303943.1/59

All: 149.682 $\pm$ 0.012 χ^2 /NDF: 5349194.4/119

- sign 149.931 $\pm$ 0.018 χ^2 /NDF: 3044875.8/59

asym_sam_48_avg_correction_mean vs Slug



Right In: -1489.164 $\pm$ 412.138 χ^2 /NDF: 61.5/34

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

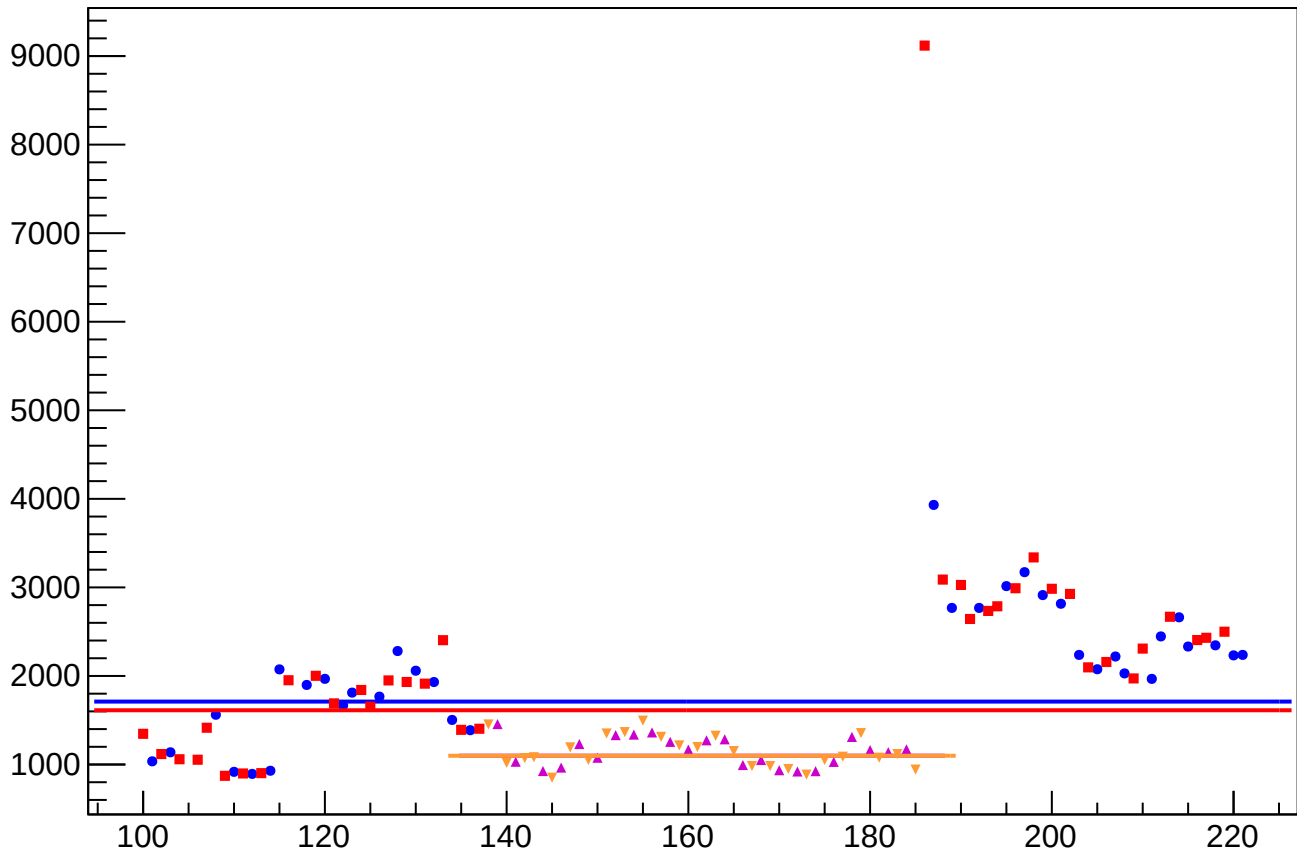
Left In: -269.952 $\pm$ 266.245 χ^2 /NDF:24.3/22

+ sign -1338.834 $\pm$ 219.474 χ^2 /NDF: 117.6/59

All: -1063.124 $\pm$ 156.120 χ^2 /NDF: 218.2/119

- sign -780.718 $\pm$ 222.123 χ^2 /NDF: 97.3/59

asym_sam_48_avg_correction_rms vs Slug



Right In: 1710.659+/-0.291 χ^2/NDF : 5163258.1/34

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

Right Out: 1612.527+/-0.285 χ^2/NDF : 6848334.4/36

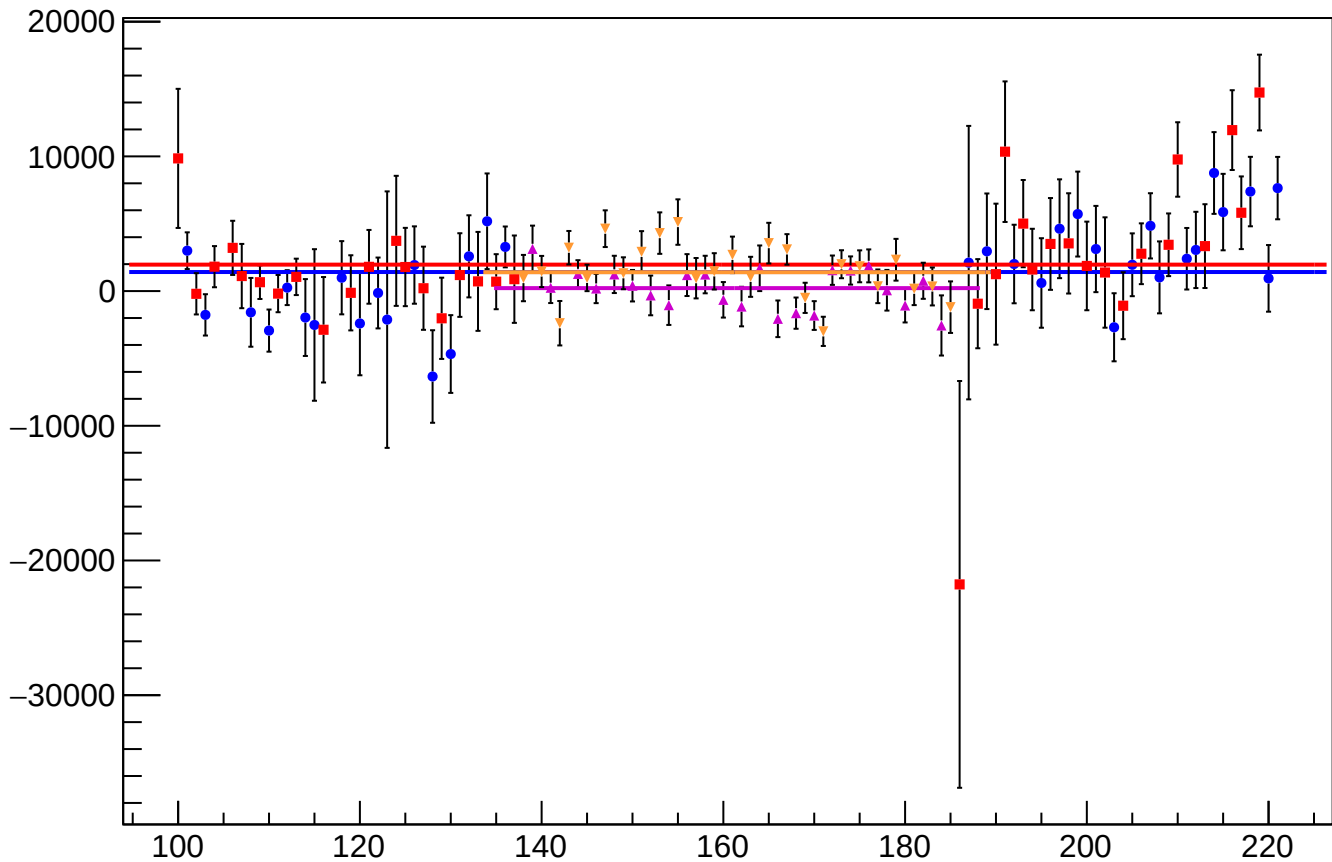
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1272.391+/-0.155 χ^2/NDF : 9144465.5/59

All: 1264.050+/-0.110 χ^2/NDF : 18935071.0/100

- sign 1255.506+/-0.157 χ^2/NDF : 9784757.7/59

asym_sam_48_avg_mean vs Slug



Right In: 1414.699+/-414.218 χ^2/NDF : 60.7/34

Left Out: 1400.458+/-261.804 χ^2/NDF : 52.2/24

Right Out: 1963.477+/-405.352 χ^2/NDF : 65.2/36

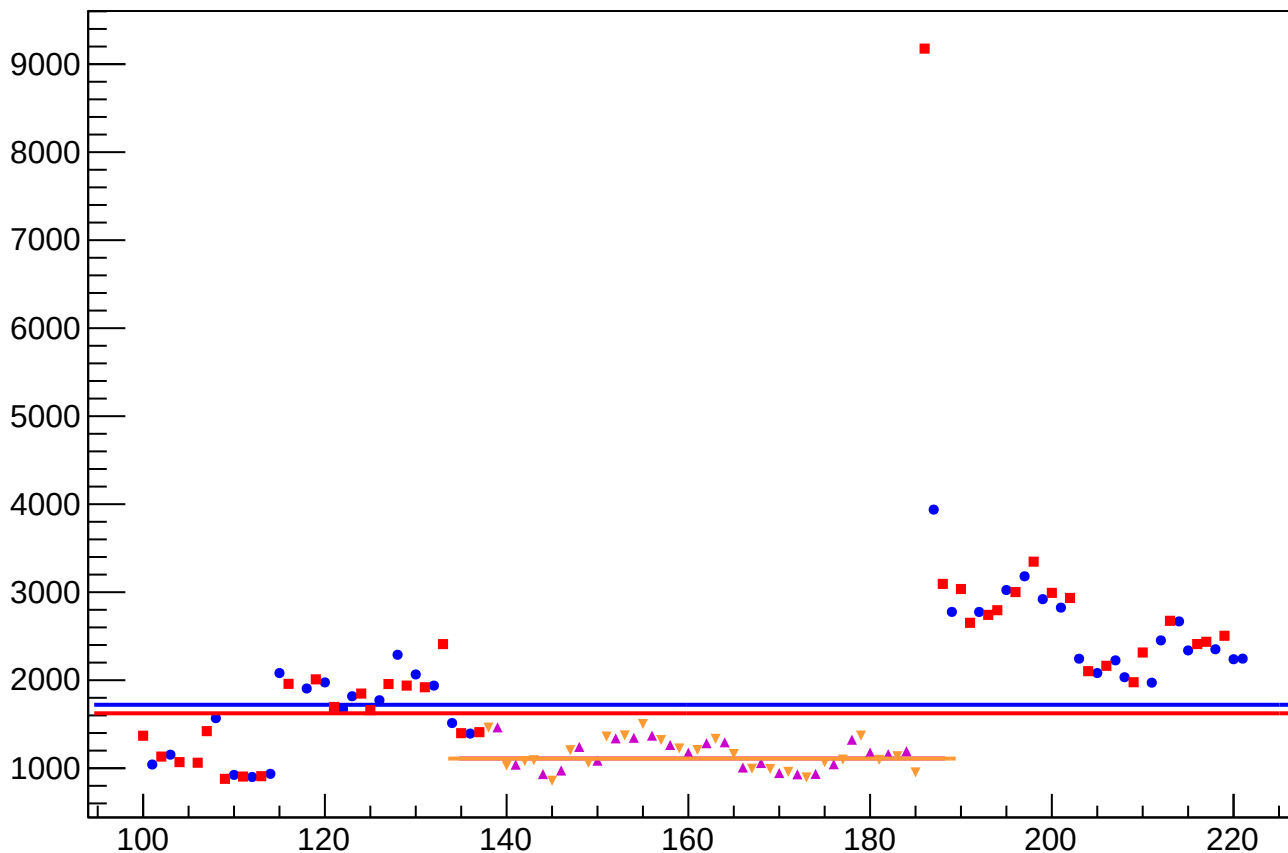
Left In: 219.393+/-268.852 χ^2/NDF : 25.0/22

+ sign 1404.523+/-221.306 χ^2/NDF : 112.9/59

All: 1082.397+/-157.448 χ^2/NDF : 220.2/119

- sign 752.231+/-224.051 χ^2/NDF : 103.0/59

asym_sam_48_avg_rms vs Slug



Right In: 1720.756+/-0.293 χ^2/NDF : 5106184.8/34

Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24

Right Out: 1623.983+/-0.287 χ^2/NDF : 6777257.7/36

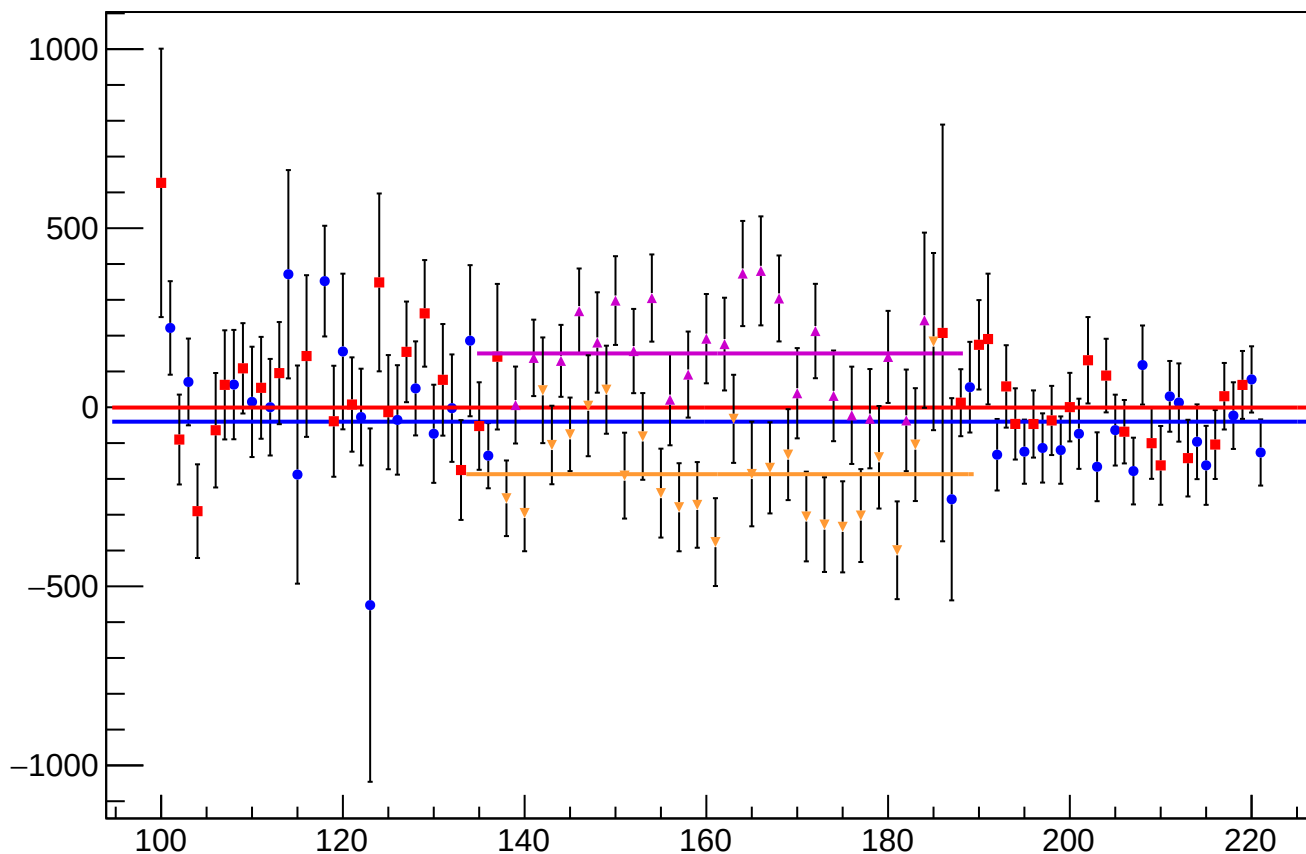
Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

+ sign 1284.169+/-0.156 χ^2/NDF : 9027779.0/59

All: 1275.890+/-0.111 χ^2/NDF : 18709133.4/1

- sign 1267.404+/-0.158 χ^2/NDF : 9675686.7/59

reg_asym_sam_15_dd_mean vs Slug



Right In: -40.229 ± 20.022 $\chi^2/\text{NDF}: 34.1/34$

Left Out: -186.838 ± 25.308 $\chi^2/\text{NDF}: 26.6/24$

Right Out: -0.756 ± 20.237 $\chi^2/\text{NDF}: 32.4/36$

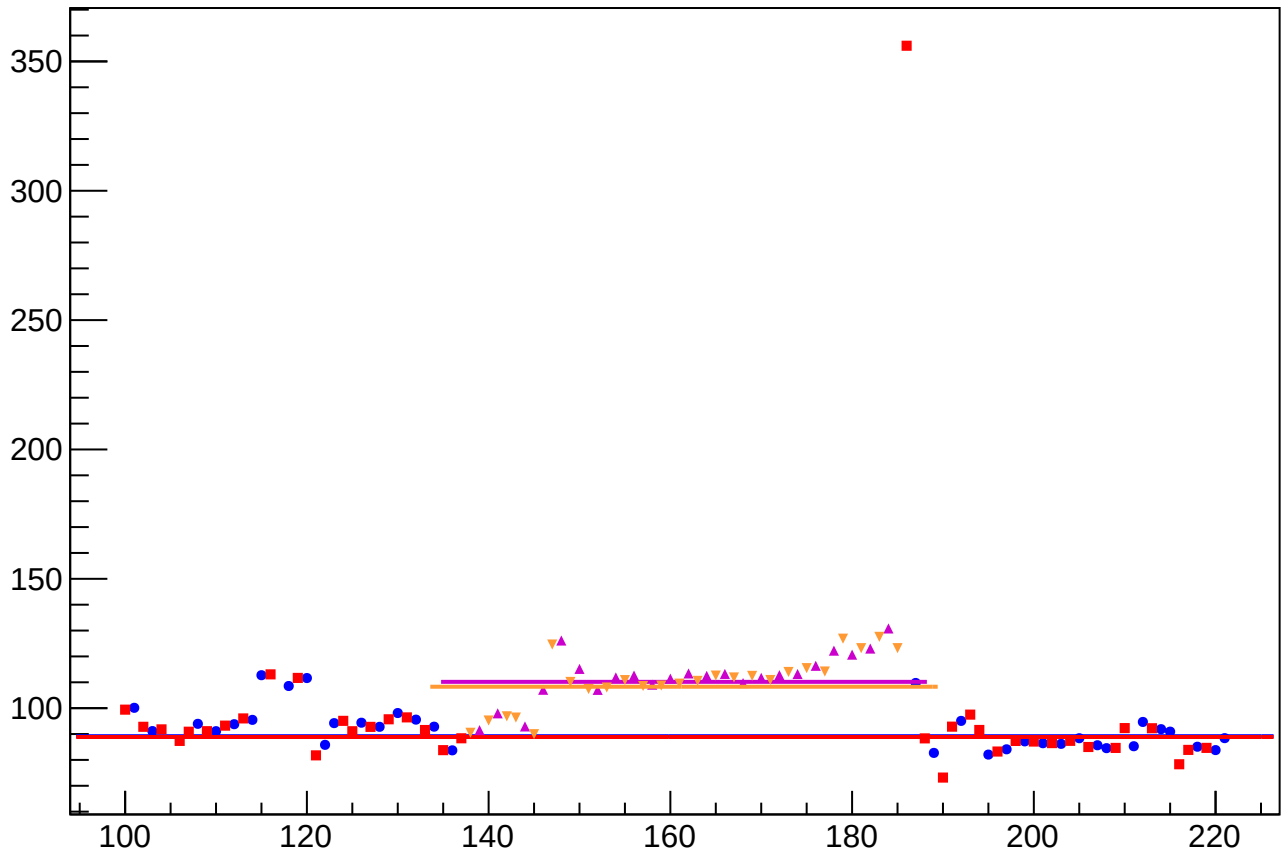
Left In: 150.315 ± 26.445 $\chi^2/\text{NDF}: 20.7/22$

+ sign -96.666 ± 15.702 $\chi^2/\text{NDF}: 81.3/59$

All: -22.575 ± 11.231 $\chi^2/\text{NDF}: 200.6/119$

- sign 55.038 ± 16.071 $\chi^2/\text{NDF}: 73.7/59$

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.164 $\pm$ 0.014 χ^2 /NDF: 182918.5/34

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

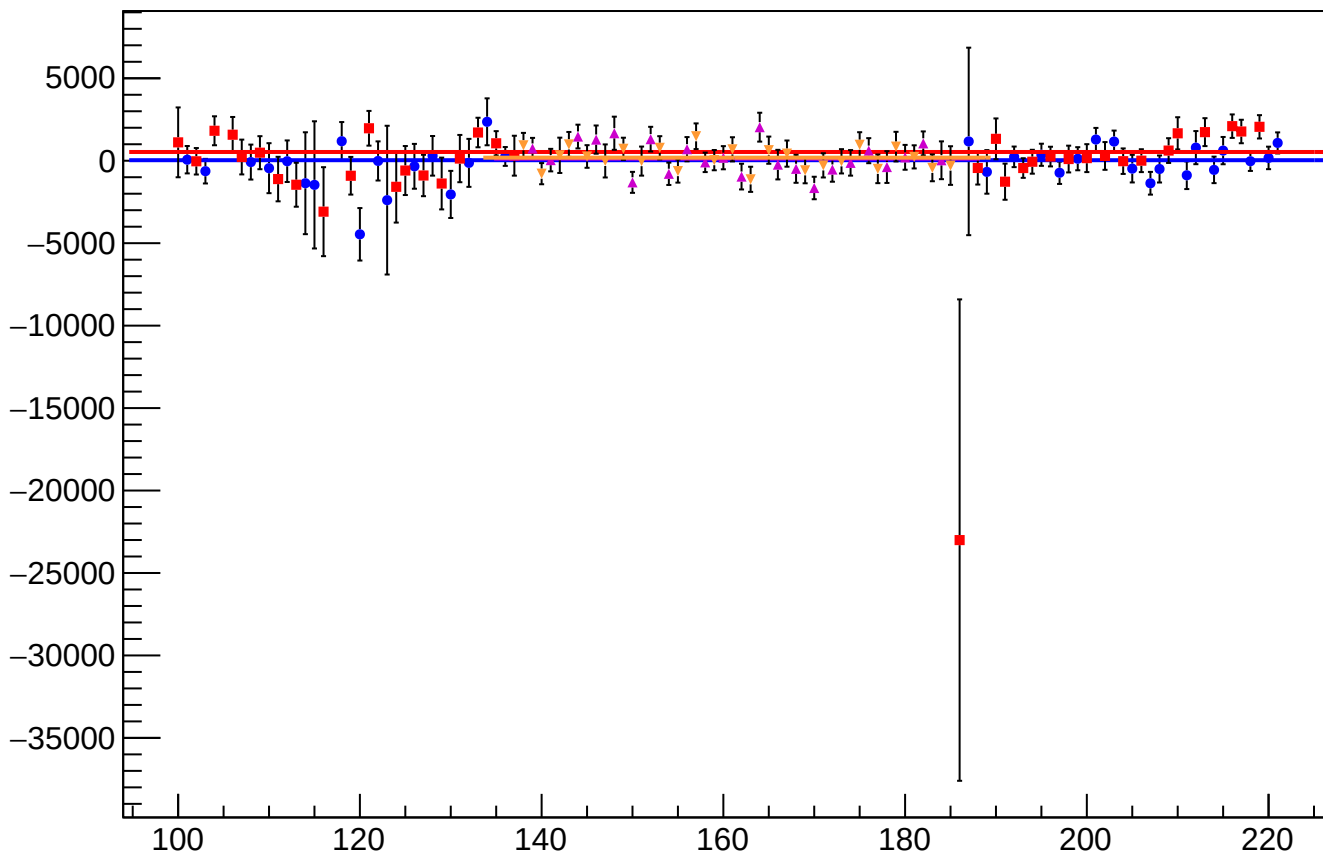
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 96.525 $\pm$ 0.011 χ^2 /NDF: 1215972.6/59

All: 96.625 $\pm$ 0.008 χ^2 /NDF: 2905889.7/119

- sign 96.729 $\pm$ 0.011 χ^2 /NDF: 1689752.7/59

asym_sam_15_dd_correction_mean vs Slug



Right In: 32.166 ± 149.376 χ^2/NDF : 34.0/34

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 530.553 ± 152.524 χ^2/NDF : 47.1/36

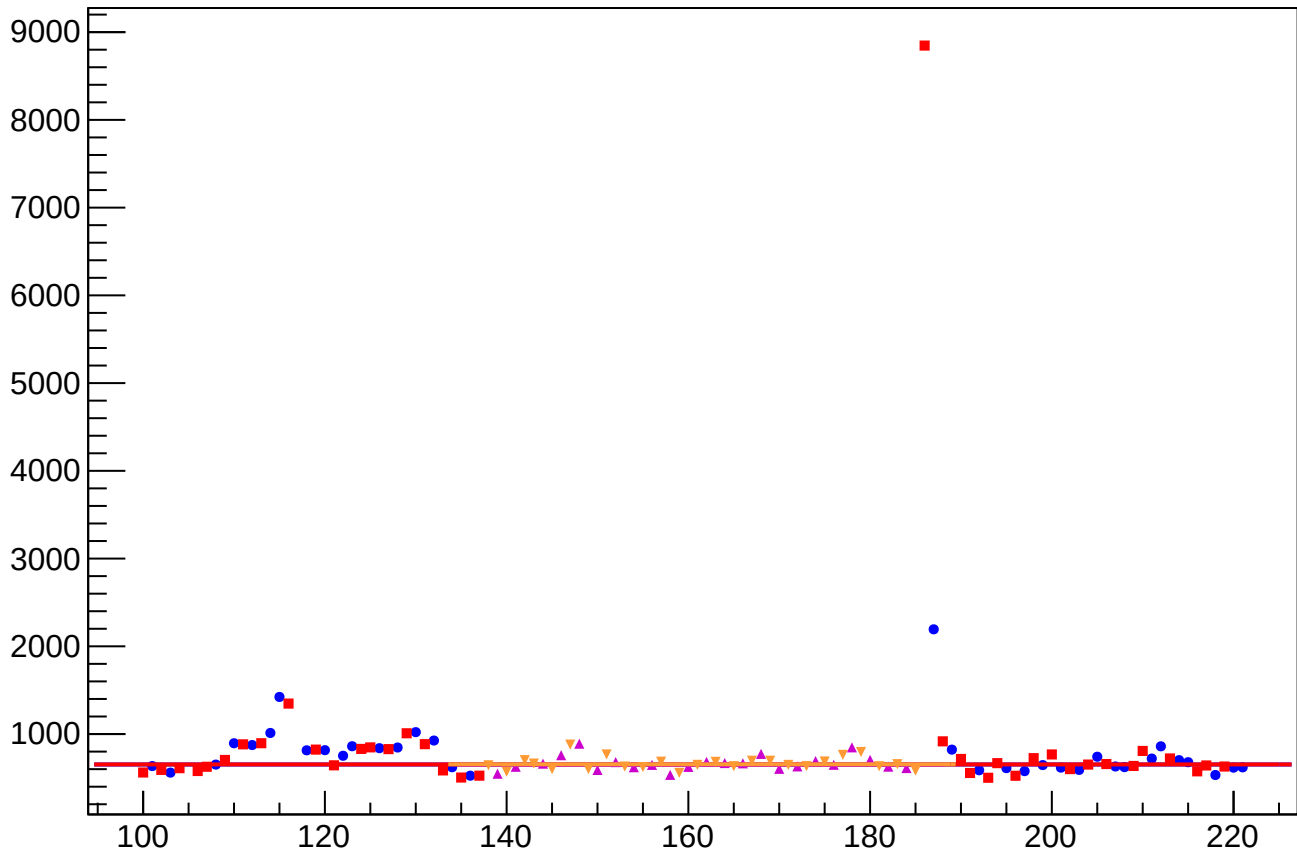
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 106.602 ± 107.115 χ^2/NDF : 52.9/59

All: 218.667 ± 76.554 χ^2/NDF : 141.9/119

- sign 335.675 ± 109.451 χ^2/NDF : 86.7/59

asym_sam_15_dd_correction_rms vs Slug



Right In: 652.790 $\pm$ 0.106 χ^2 /NDF: 1208244.2/34

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 653.851 $\pm$ 0.108 χ^2 /NDF: 1856707.6/36

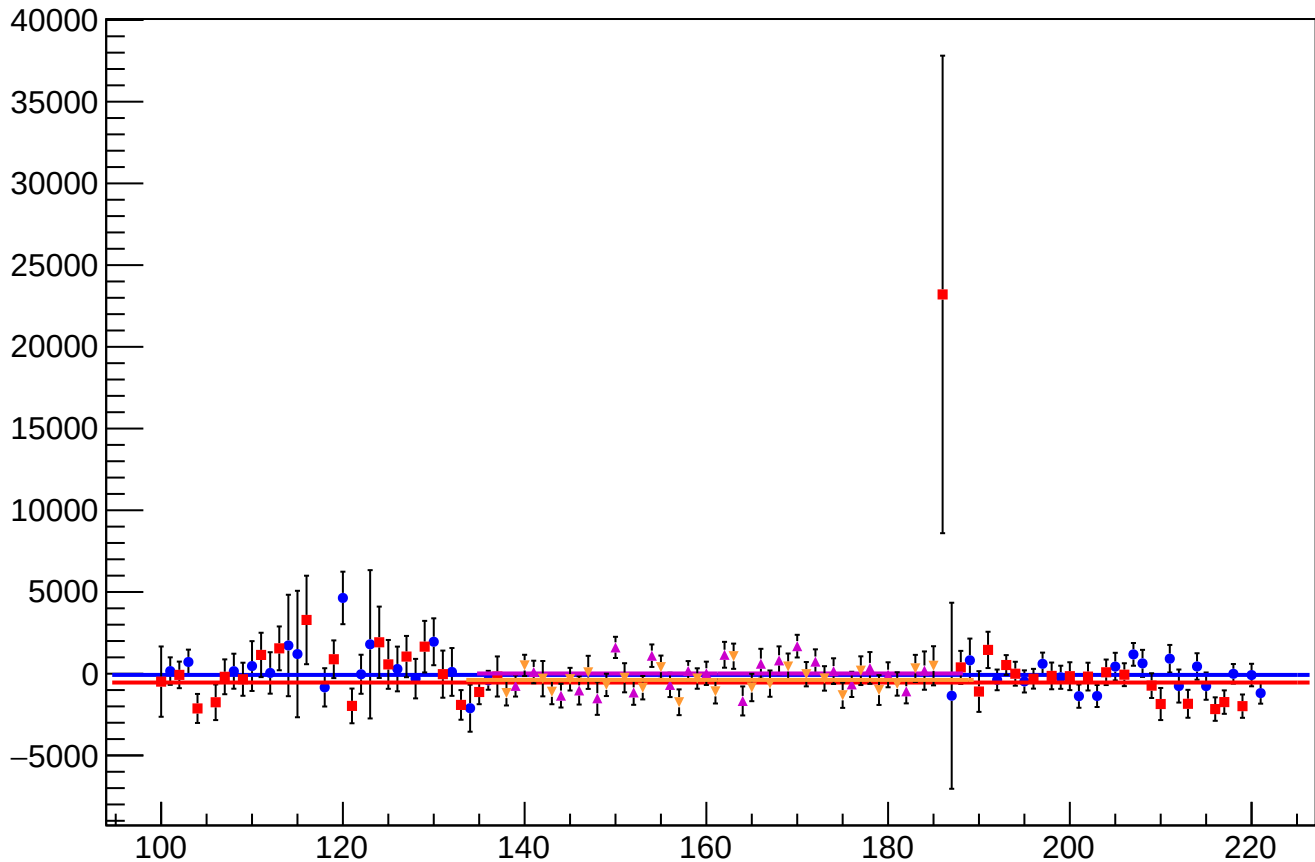
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 653.939 $\pm$ 0.076 χ^2 /NDF: 1575837.5/59

All: 653.192 $\pm$ 0.054 χ^2 /NDF: 3899228.2/119

- sign 652.411 $\pm$ 0.077 χ^2 /NDF: 2323191.6/59

asym_sam_15_dd_mean vs Slug



Right In: -73.671 ± 150.894 χ^2/NDF : 34.8/34

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -540.174 ± 154.093 χ^2/NDF : 51.3/36

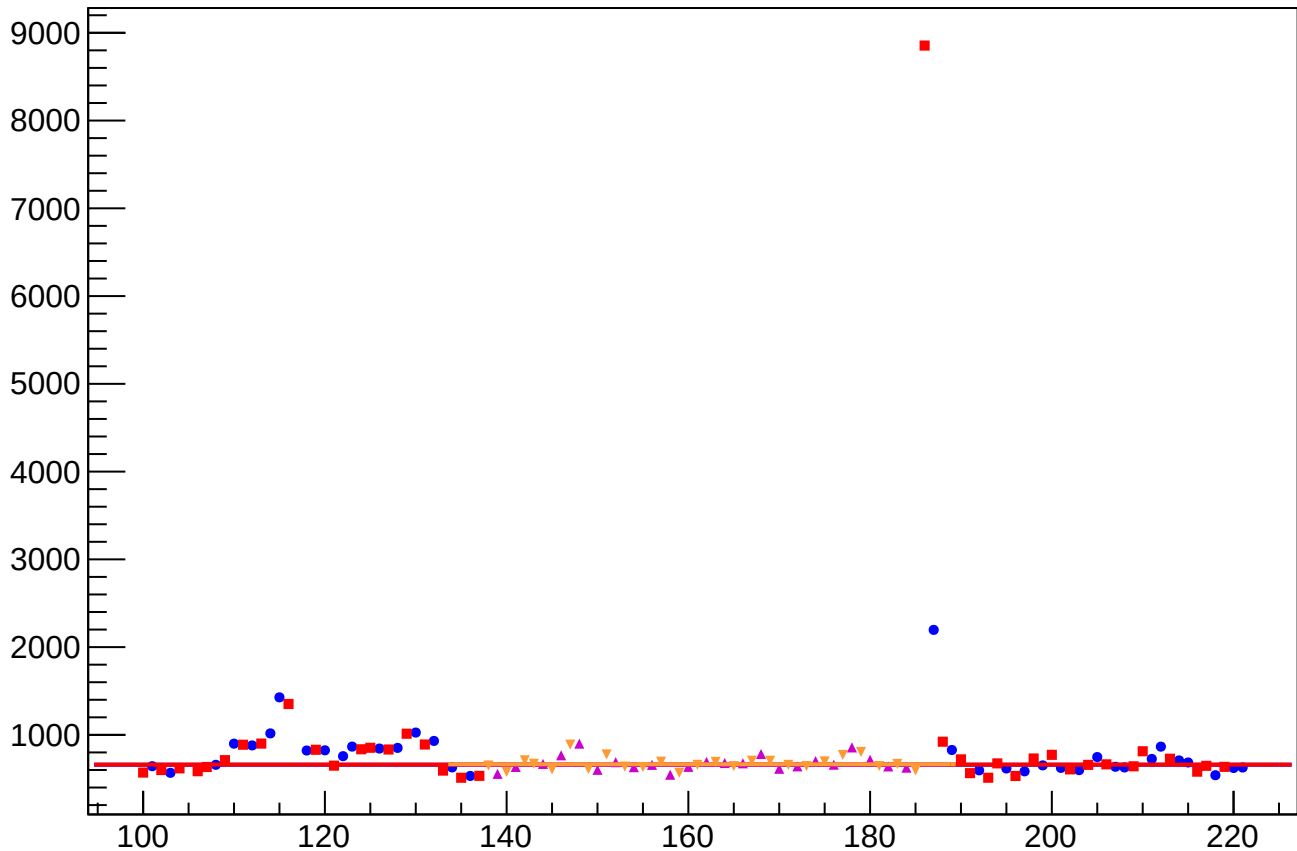
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -221.590 ± 108.422 χ^2/NDF : 55.6/59

All: -246.385 ± 77.502 χ^2/NDF : 150.4/119

- sign -272.292 ± 110.827 χ^2/NDF : 94.8/59

asym_sam_15_dd_rms vs Slug



Right In: 659.807 $\pm$ 0.107 χ^2 /NDF: 1179871.4/34

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 661.067 $\pm$ 0.109 χ^2 /NDF: 1819303.1/36

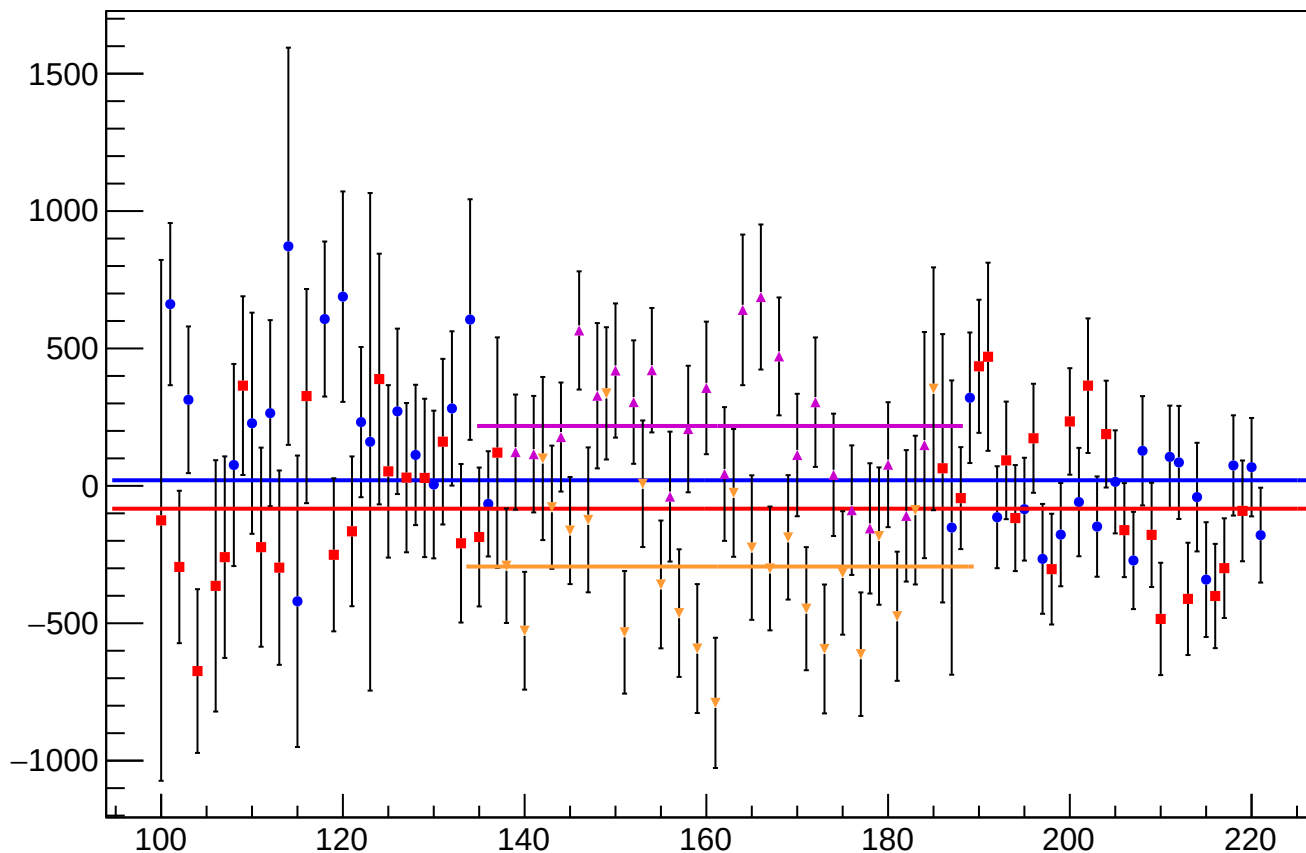
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 662.209 $\pm$ 0.077 χ^2 /NDF: 1537973.0/59

All: 661.609 $\pm$ 0.055 χ^2 /NDF: 3806582.6/119

- sign 660.982 $\pm$ 0.078 χ^2 /NDF: 2268484.4/59

reg_asym_sam_26_dd_mean vs Slug



Right In: 20.373 ± 39.469 $\chi^2/\text{NDF}: 35.1/34$

Left Out: -293.590 ± 47.203 $\chi^2/\text{NDF}: 30.3/24$

Right Out: -83.074 ± 40.635 $\chi^2/\text{NDF}: 41.9/36$

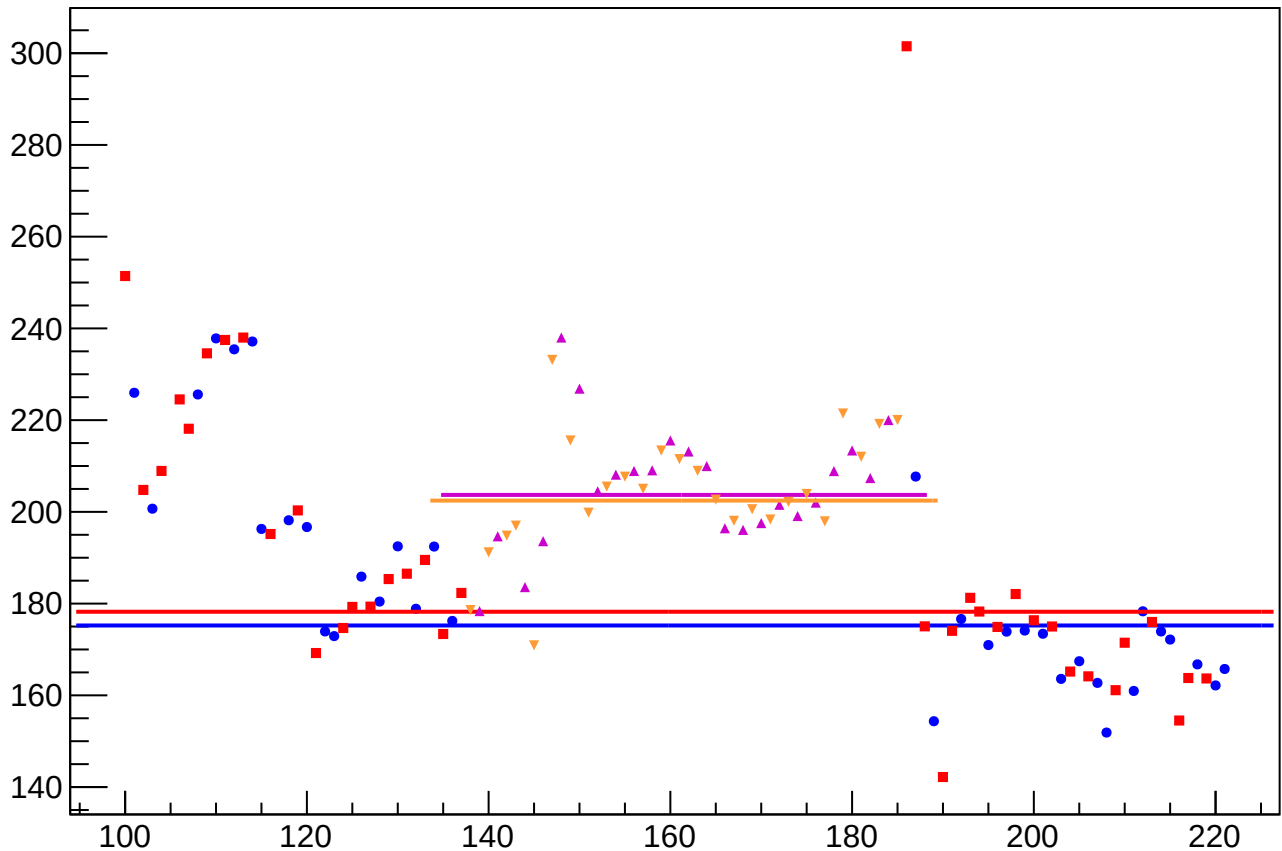
Left In: 217.964 ± 48.819 $\chi^2/\text{NDF}: 21.3/22$

+ sign -108.816 ± 30.279 $\chi^2/\text{NDF}: 91.5/59$

All: -36.648 ± 21.739 $\chi^2/\text{NDF}: 188.9/119$

- sign 40.131 ± 31.231 $\chi^2/\text{NDF}: 85.7/59$

reg_asym_sam_26_dd_rms vs Slug



Right In: 175.230 $\pm$ 0.028 χ^2 /NDF: 386046.4/34

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

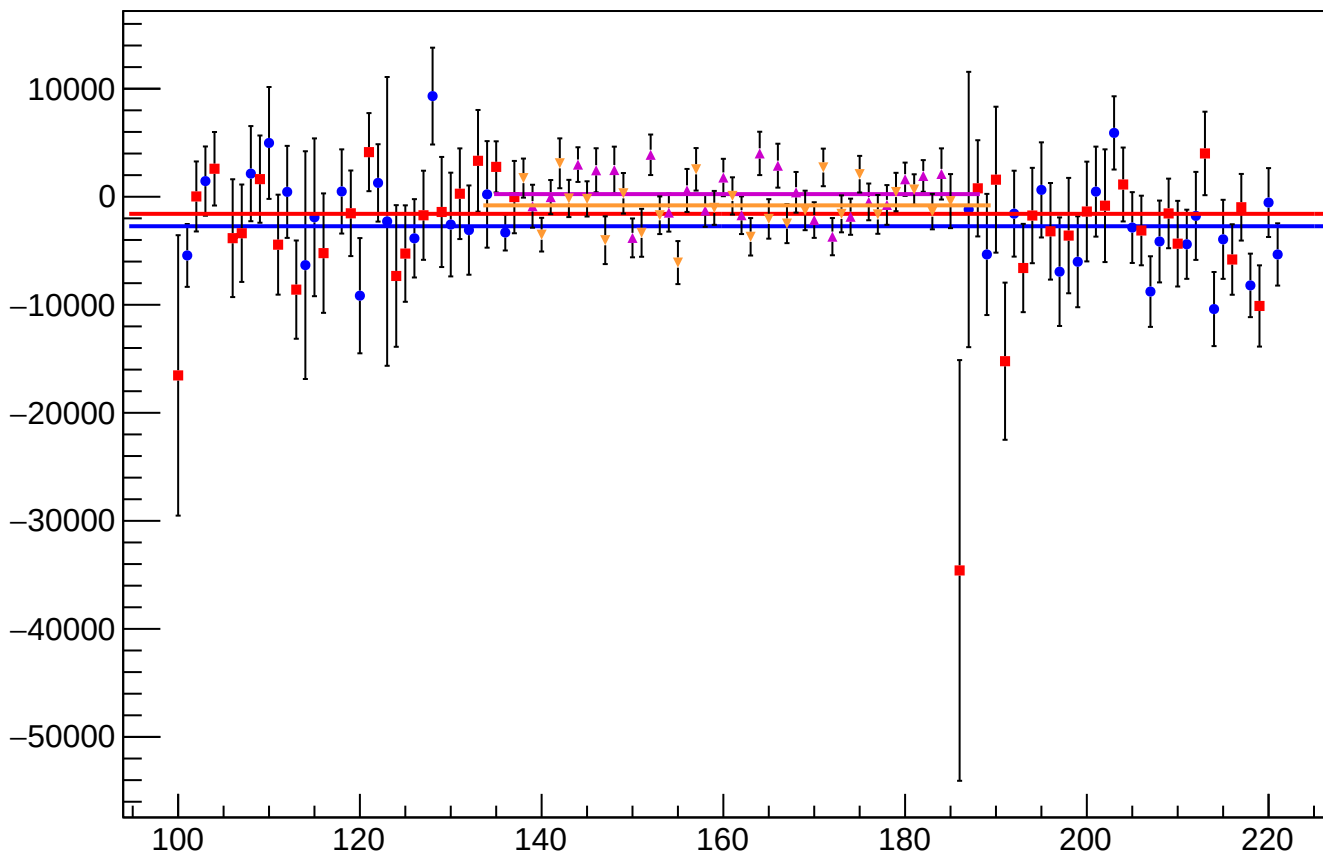
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 186.434 $\pm$ 0.021 χ^2 /NDF: 936297.5/59

All: 187.508 $\pm$ 0.015 χ^2 /NDF: 1963863.5/119

- sign 188.650 $\pm$ 0.022 χ^2 /NDF: 1022374.2/59

asym_sam_26_dd_correction_mean vs Slug



Right In: -2729.126 ± 632.103 χ^2/NDF : 40.9/34

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1581.431 ± 675.346 χ^2/NDF : 35.0/36

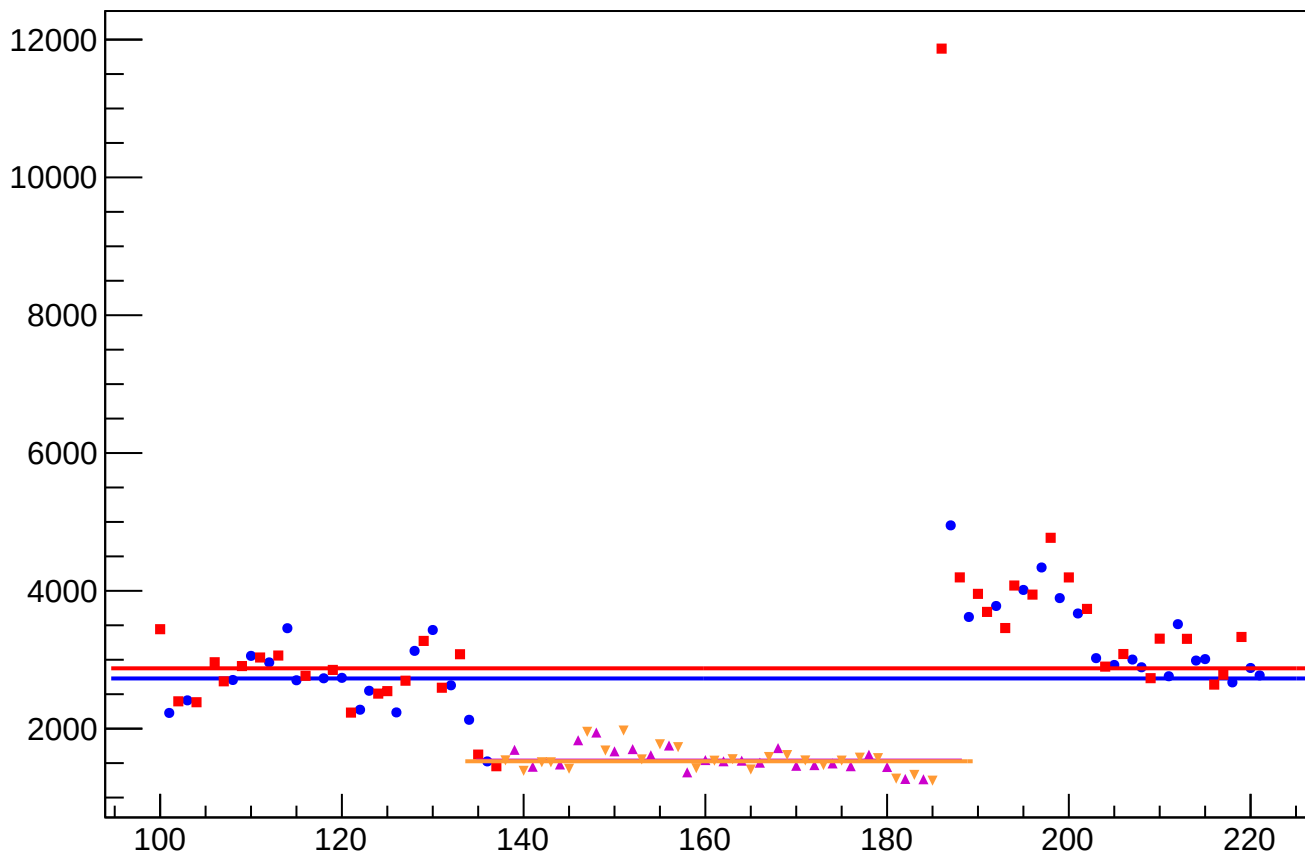
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -1265.592 ± 311.410 χ^2/NDF : 83.8/59

All: -743.174 ± 224.648 χ^2/NDF : 166.0/119

- sign -176.307 ± 324.388 χ^2/NDF : 76.4/59

asym_sam_26_dd_correction_rms vs Slug



Right In: 2728.507 ± 0.447 $\chi^2/\text{NDF}: 2332647.4/34$

Left Out: 1526.712 ± 0.253 $\chi^2/\text{NDF}: 394892.7/24$

Right Out: 2875.539 ± 0.478 $\chi^2/\text{NDF}: 2682924.0/36$

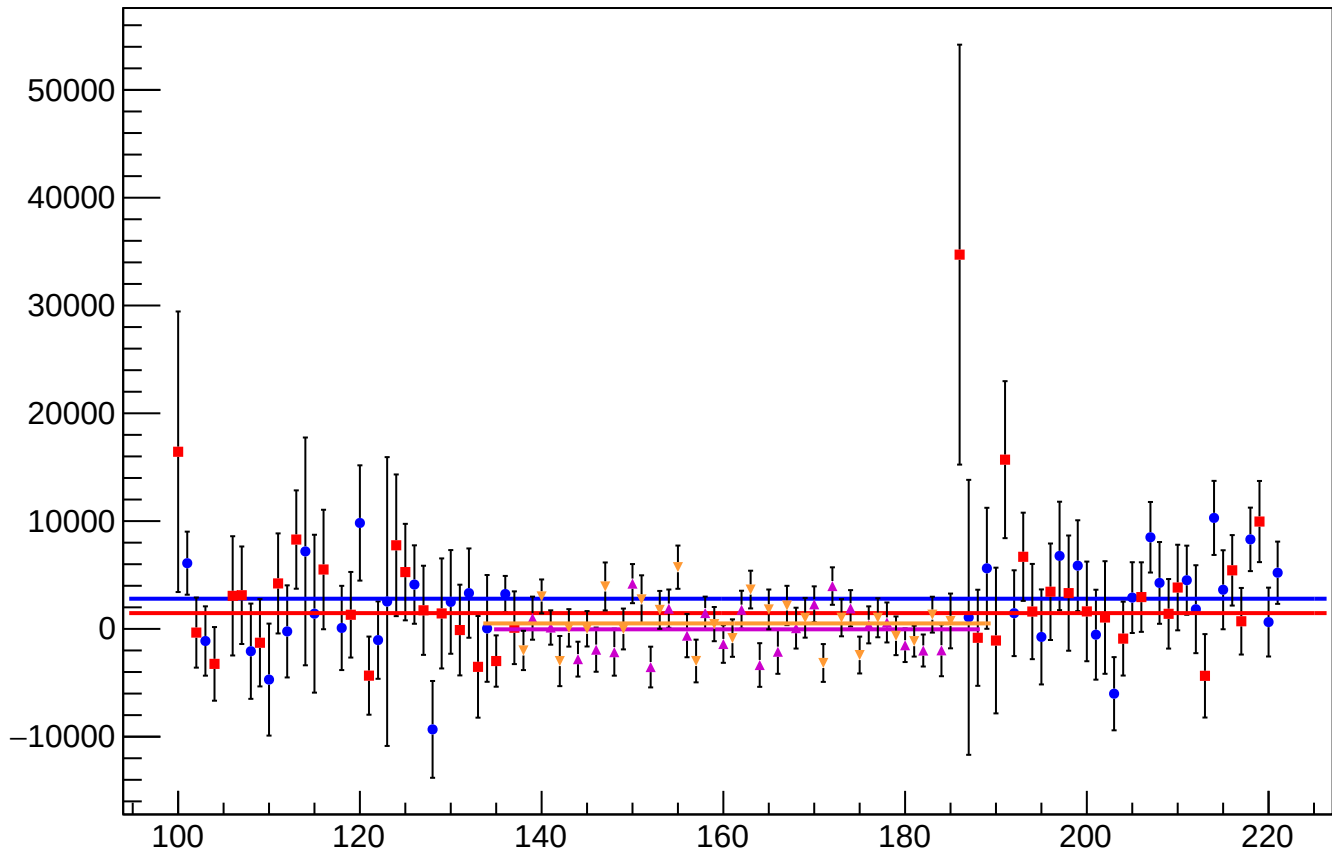
Left In: 1536.538 ± 0.262 $\chi^2/\text{NDF}: 350373.3/22$

+ sign 1818.401 ± 0.220 $\chi^2/\text{NDF}: 8202450.9/59$

All: 1831.381 ± 0.159 $\chi^2/\text{NDF}: 17291191.3/100$

- sign 1845.466 ± 0.229 $\chi^2/\text{NDF}: 9081495.4/59$

asym_sam_26_dd_mean vs Slug



Right In: 2799.522 $\pm$ 633.945 χ^2/NDF : 40.5/34

Left Out: 507.982 $\pm$ 361.172 χ^2/NDF : 35.4/24

Right Out: 1464.109 $\pm$ 677.228 χ^2/NDF : 35.5/36

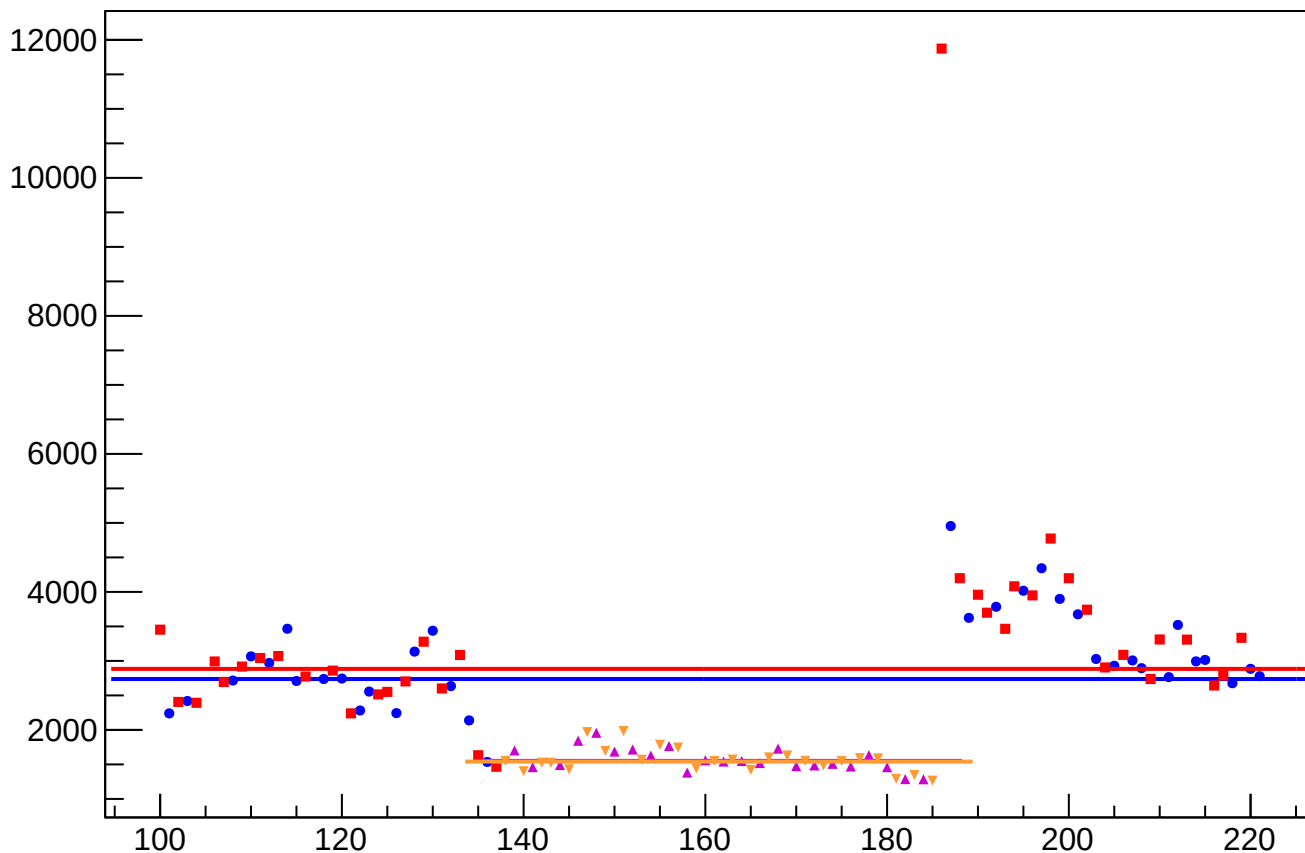
Left In: -40.080 $\pm$ 373.261 χ^2/NDF : 33.6/22

+ sign 1069.513 $\pm$ 313.816 χ^2/NDF : 85.7/59

All: 705.446 $\pm$ 226.385 χ^2/NDF : 161.4/119

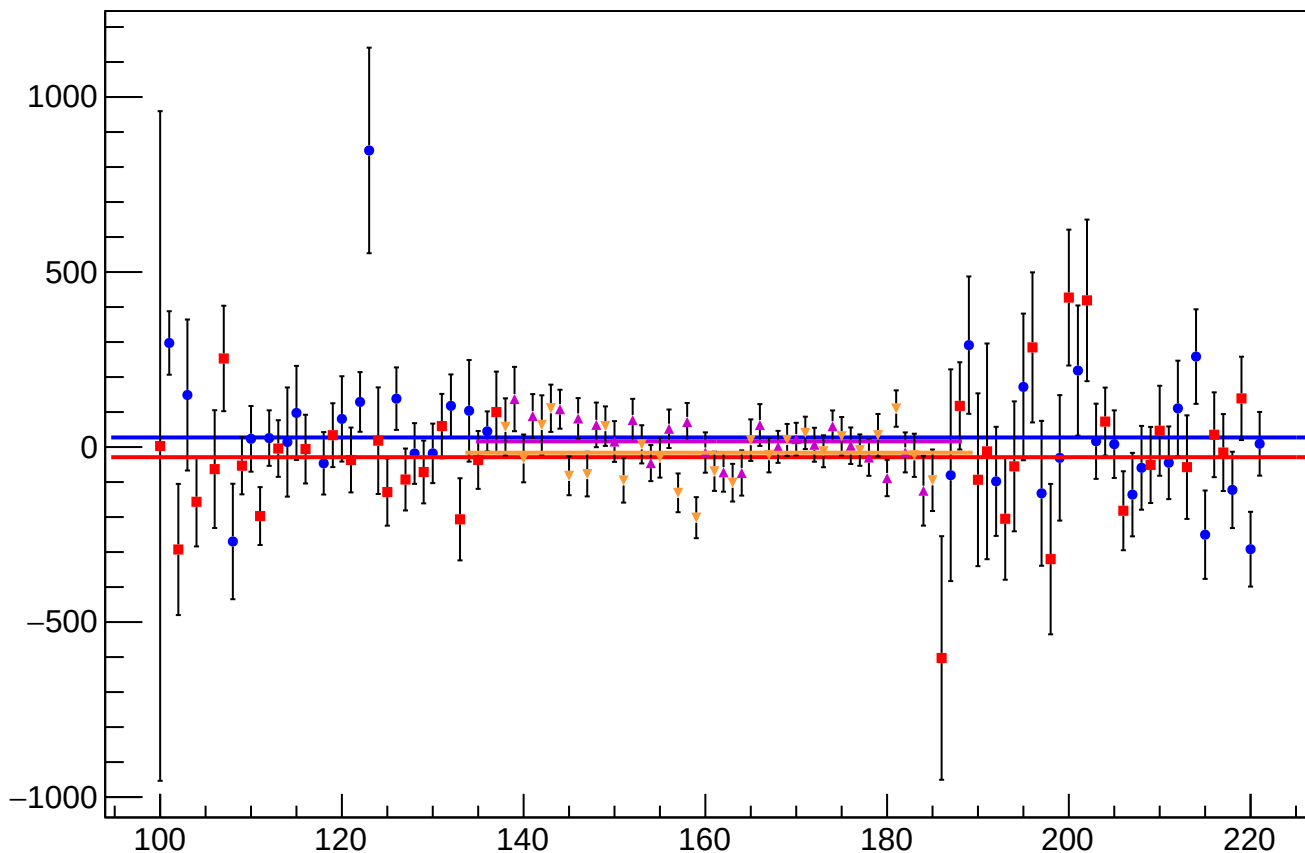
- sign 310.394 $\pm$ 326.897 χ^2/NDF : 72.8/59

asym_sam_26_dd_rms vs Slug



$+ \text{sign } 1834.457 \pm 0.222 \quad \chi^2/\text{NDF}: 8060022.3/59$
 $\text{All: } 1847.540 \pm 0.160 \quad \chi^2/\text{NDF}: 17009228.5/100$
 $- \text{sign } 1861.735 \pm 0.231 \quad \chi^2/\text{NDF}: 8941958.8/59$

reg_asym_sam_37_dd_mean vs Slug



Right In: 27.433 ± 18.760 χ^2/NDF : 53.0/34

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -28.916 ± 19.527 χ^2/NDF : 41.9/36

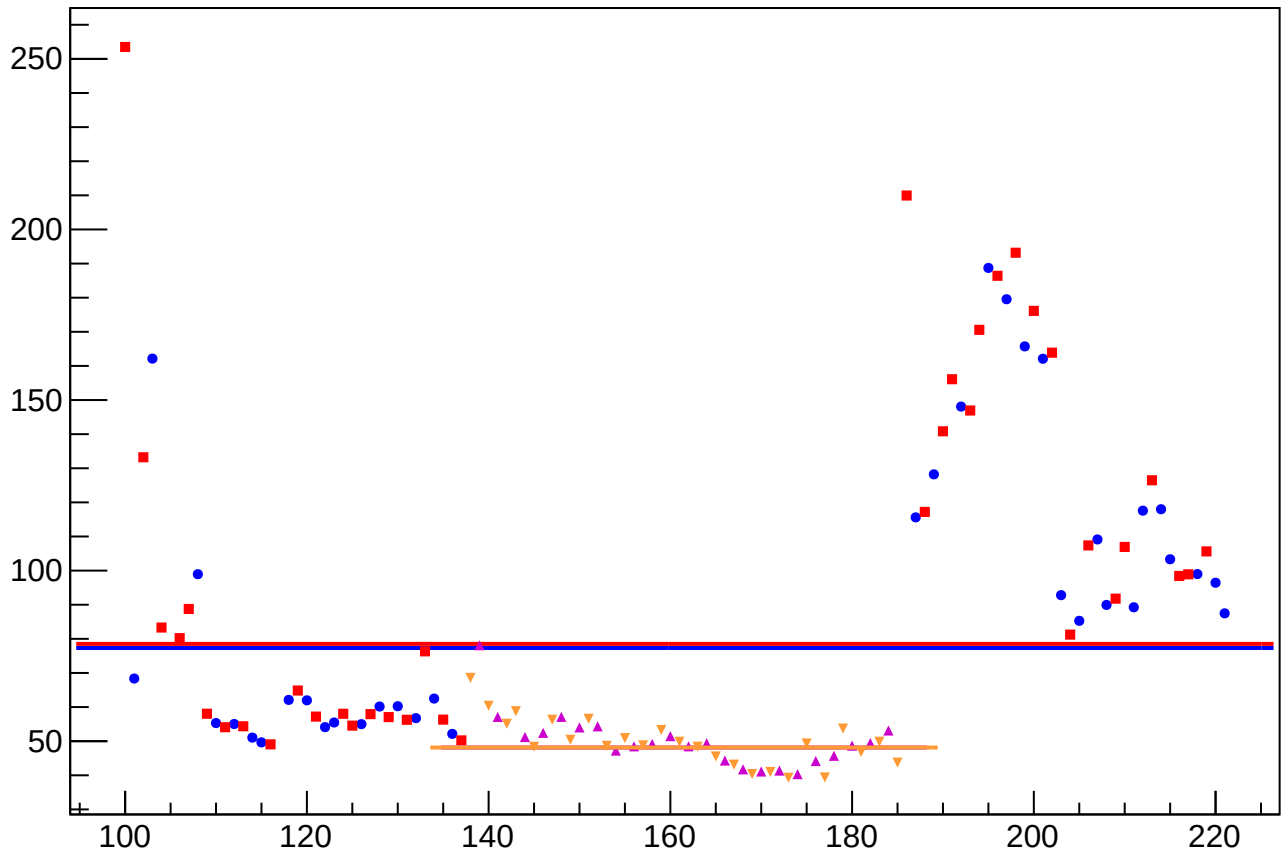
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -4.413 ± 9.705 χ^2/NDF : 96.6/59

All: -0.175 ± 6.966 χ^2/NDF : 168.1/119

- sign 4.329 ± 10.004 χ^2/NDF : 71.1/59

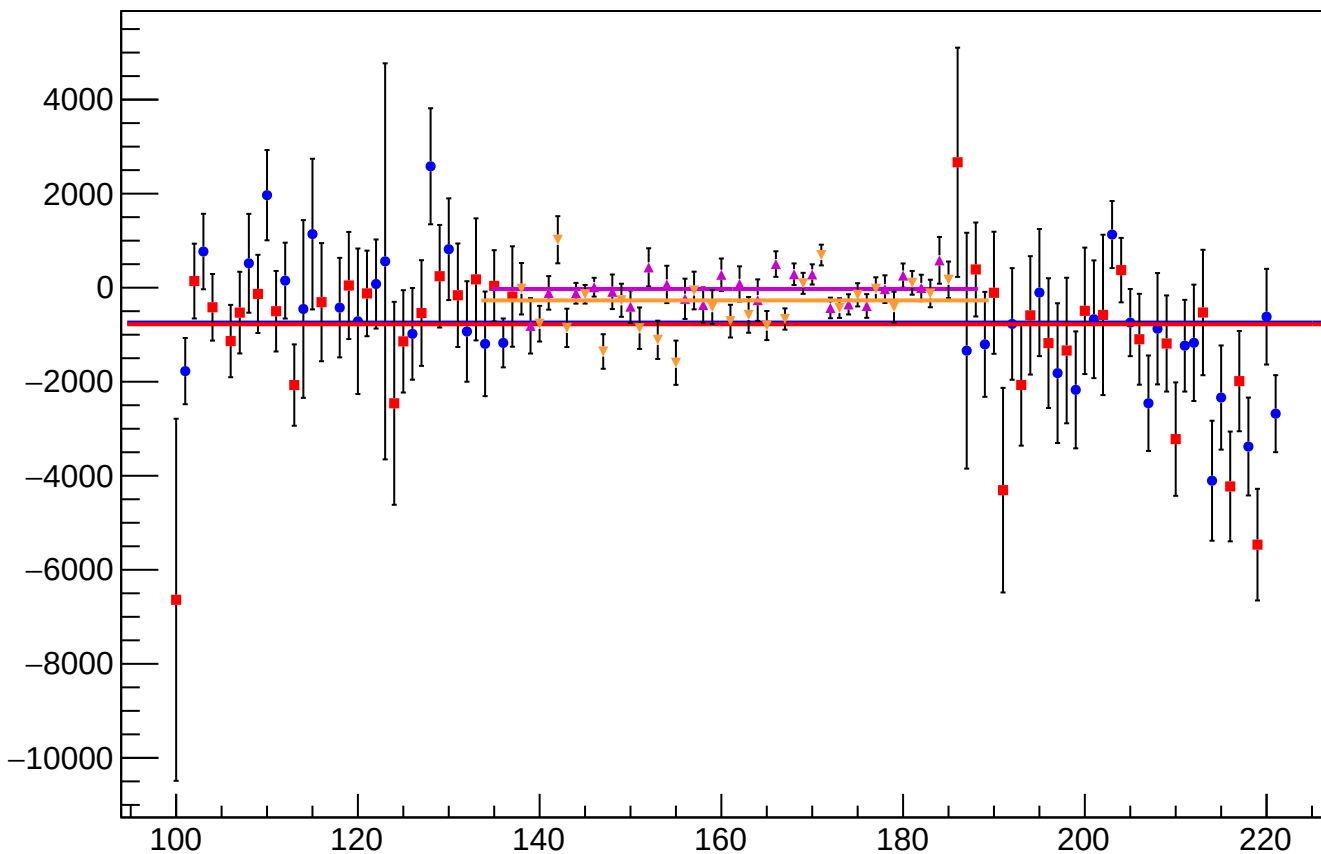
reg_asym_sam_37_dd_rms vs Slug



Right In: 77.327 $\pm$ 0.013 χ^2 /NDF: 5210994.4/34
 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 55.951 $\pm$ 0.007 χ^2 /NDF: 9411571.3/59
 All: 56.031 $\pm$ 0.005 χ^2 /NDF: 19468250.5/119
 - sign 56.116 $\pm$ 0.007 χ^2 /NDF: 10056400.7/59

asym_sam_37_dd_correction_mean vs Slug



Right In: -741.876 ± 170.820 $\chi^2/\text{NDF}: 62.5/34$

Left Out: -270.214 ± 60.177 $\chi^2/\text{NDF}: 70.1/24$

Right Out: -777.903 ± 174.289 $\chi^2/\text{NDF}: 52.7/36$

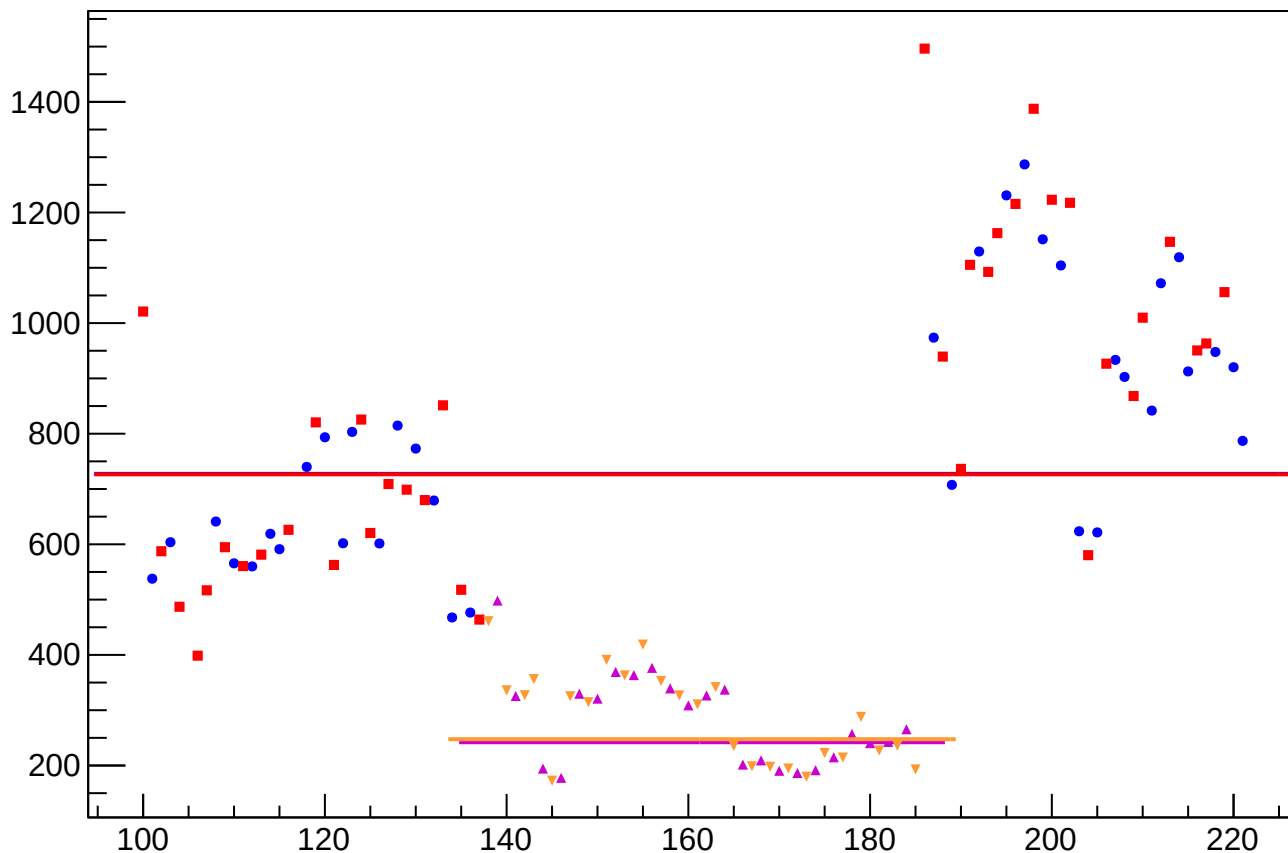
Left In: -27.271 ± 60.430 $\chi^2/\text{NDF}: 25.1/22$

+ sign -322.287 ± 56.758 $\chi^2/\text{NDF}: 139.3/59$

All: -215.692 ± 40.253 $\chi^2/\text{NDF}: 240.7/119$

- sign -107.826 ± 57.096 $\chi^2/\text{NDF}: 94.3/59$

asym_sam_37_dd_correction_rms vs Slug



Right In: 727.370 $\pm$ 0.121 χ^2 /NDF: 3070905.3/34

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

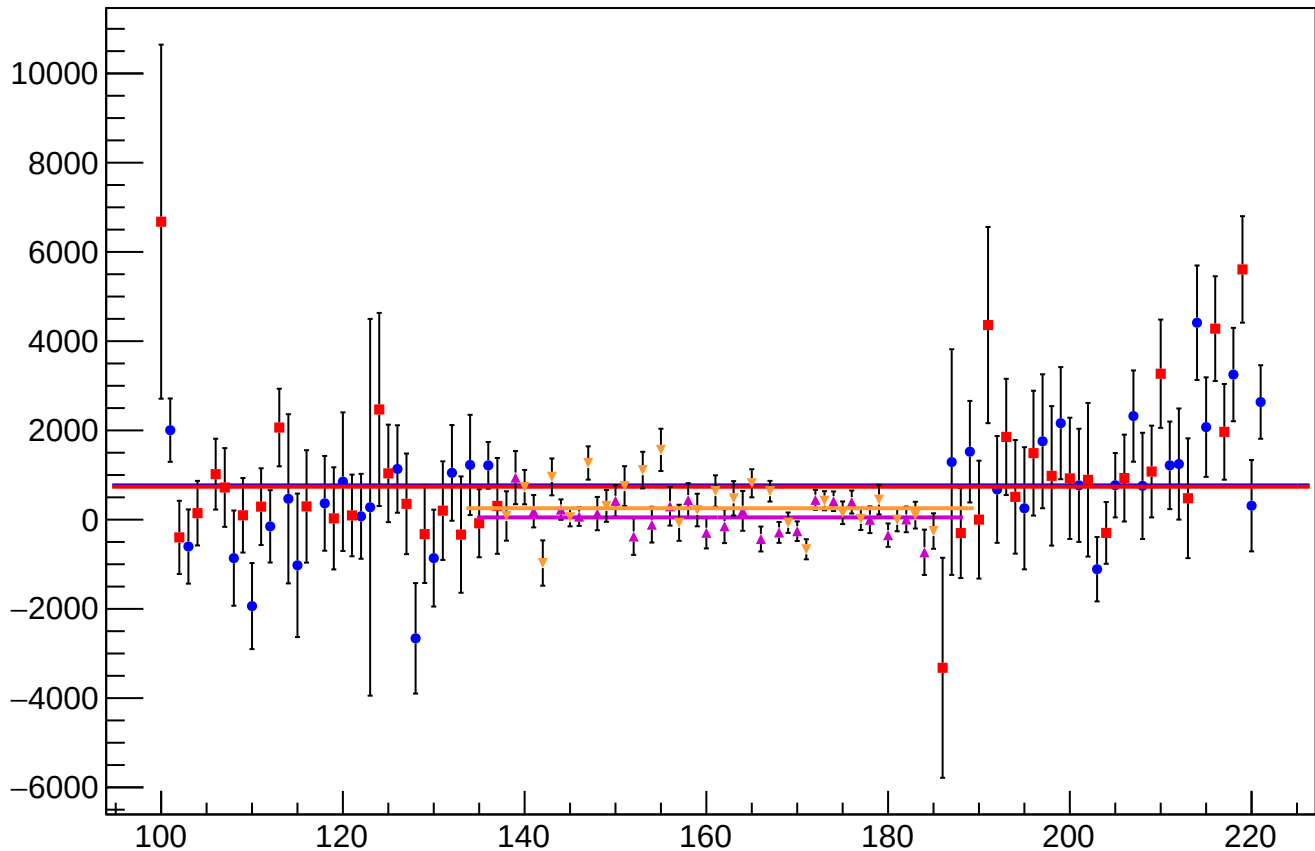
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 300.542 $\pm$ 0.040 χ^2 /NDF: 19888564.5/59

All: 297.344 $\pm$ 0.028 χ^2 /NDF: 40192883.4/11

- sign 294.108 $\pm$ 0.040 χ^2 /NDF: 20291545.1/59

asym_sam_37_dd_mean vs Slug



Right In: 767.771 ± 172.298 χ^2/NDF : 62.4/34

Left Out: 255.995 ± 61.418 χ^2/NDF : 63.6/24

Right Out: 738.155 ± 176.107 χ^2/NDF : 54.9/36

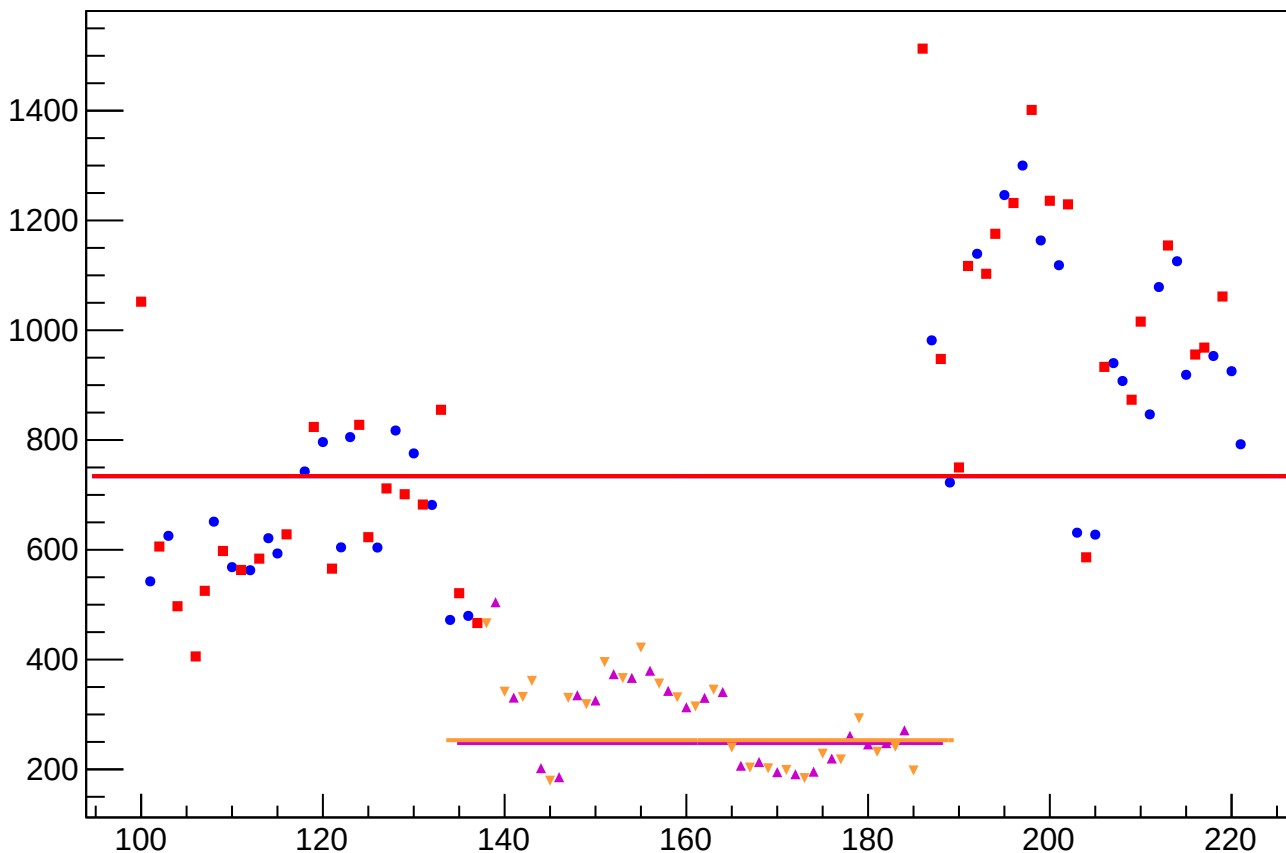
Left In: 49.832 ± 61.781 χ^2/NDF : 27.5/22

+ sign 313.694 ± 57.853 χ^2/NDF : 133.8/59

All: 220.200 ± 41.064 χ^2/NDF : 235.1/119

- sign 125.262 ± 58.298 χ^2/NDF : 96.0/59

asym_sam_37_dd_rms vs Slug



Right In: 733.789 $\pm$ 0.122 χ^2 /NDF: 3063171.2/34

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

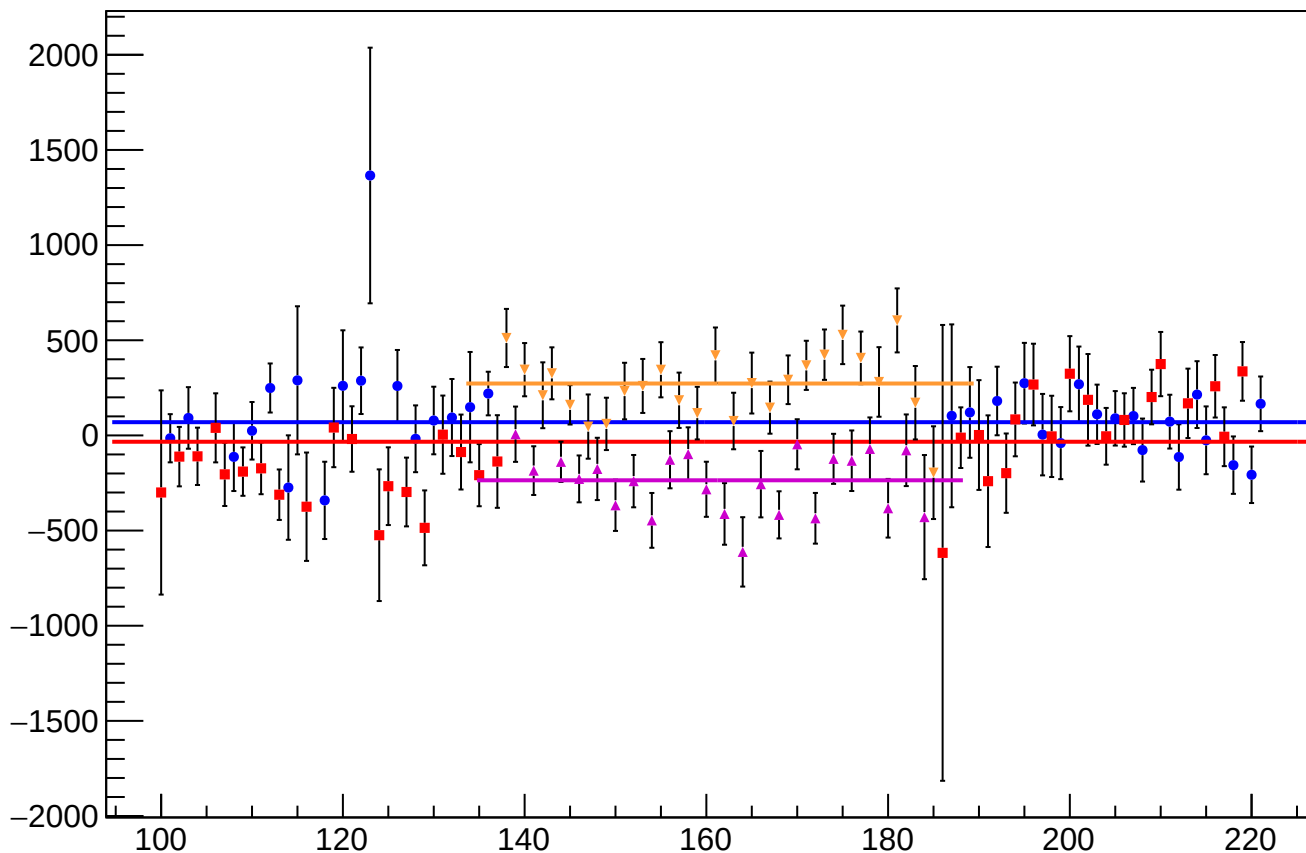
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 307.327 $\pm$ 0.041 χ^2 /NDF: 19538747.4/59

All: 304.371 $\pm$ 0.029 χ^2 /NDF: 39461833.1/11

- sign 301.370 $\pm$ 0.041 χ^2 /NDF: 19912566.3/59

reg_asym_sam_48_dd_mean vs Slug



Right In: 69.543 ± 29.627 χ^2/NDF : 30.3/34

Left Out: 272.684 ± 29.221 χ^2/NDF : 27.4/24

Right Out: -33.279 ± 29.924 χ^2/NDF : 49.8/36

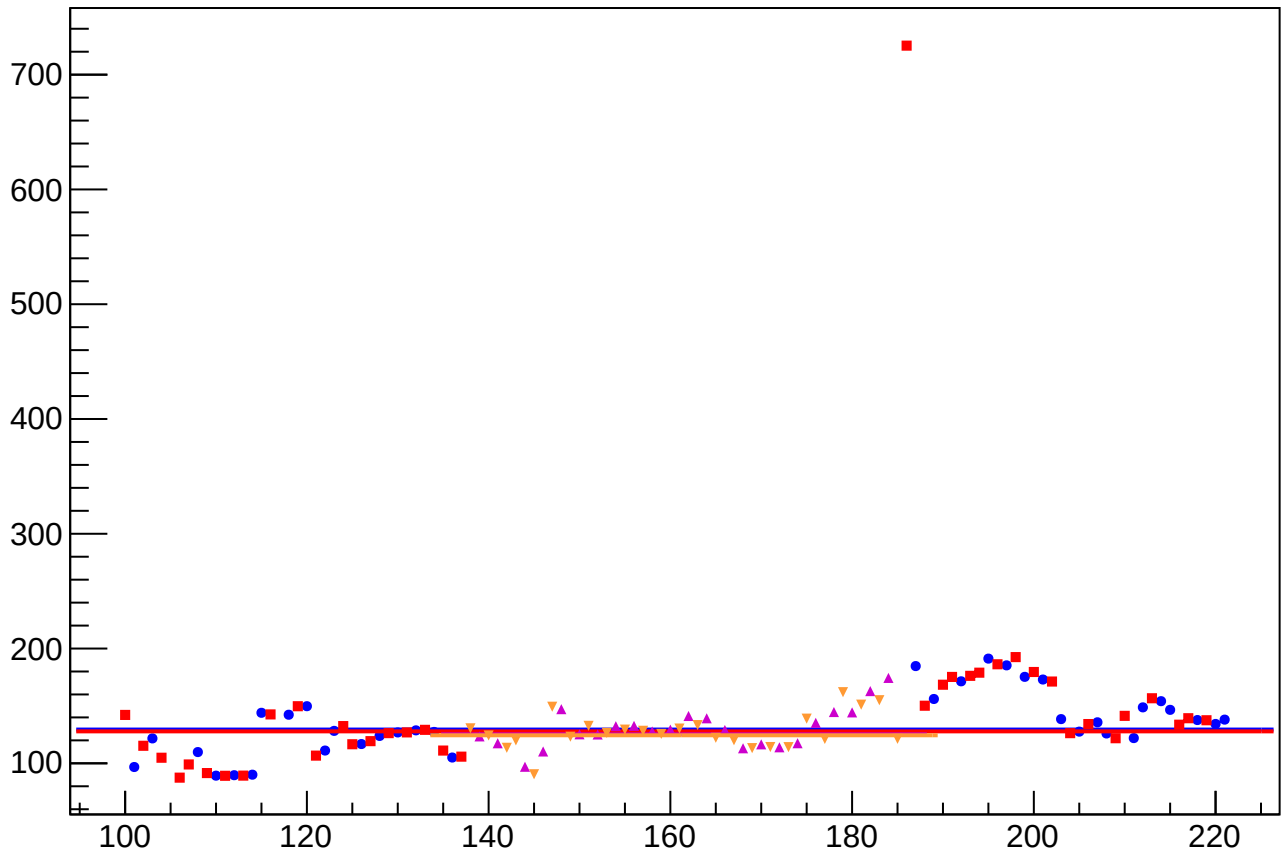
Left In: -235.801 ± 30.232 χ^2/NDF : 24.6/22

+ sign 172.515 ± 20.805 χ^2/NDF : 81.5/59

All: 22.871 ± 14.872 χ^2/NDF : 284.5/119

- sign -133.503 ± 21.267 χ^2/NDF : 97.1/59

reg_asym_sam_48_dd_rms vs Slug



Right In: 129.418 $\pm$ 0.021 χ^2 /NDF: 1476517.5/34

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

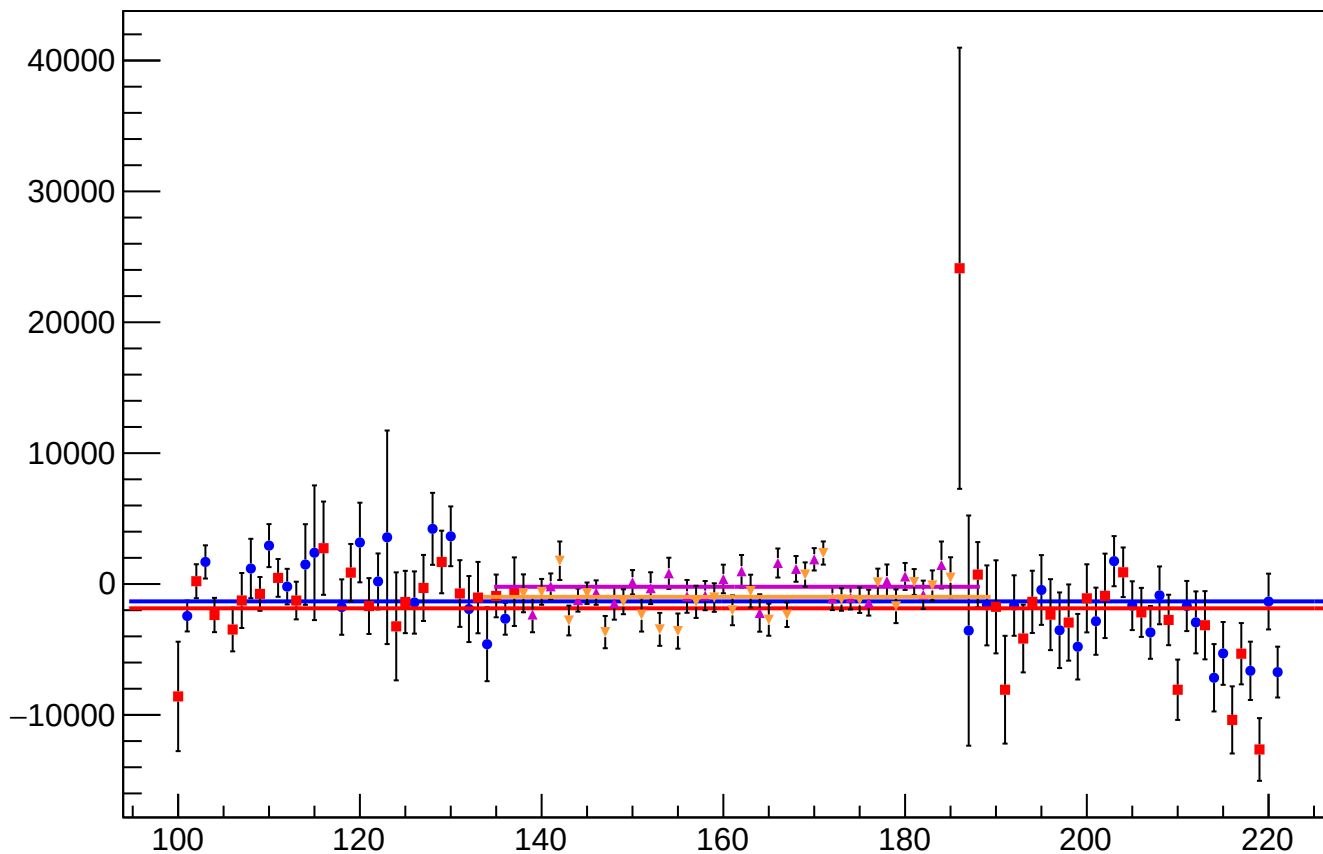
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 126.889 $\pm$ 0.015 χ^2 /NDF: 2045004.4/59

All: 126.717 $\pm$ 0.011 χ^2 /NDF: 4862279.0/119

- sign 126.537 $\pm$ 0.015 χ^2 /NDF: 2816995.0/59

asym_sam_48_dd_correction_mean vs Slug



Right In: -1325.739 ± 354.380 χ^2/NDF : 59.9/34

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1856.708 ± 352.031 χ^2/NDF : 66.9/36

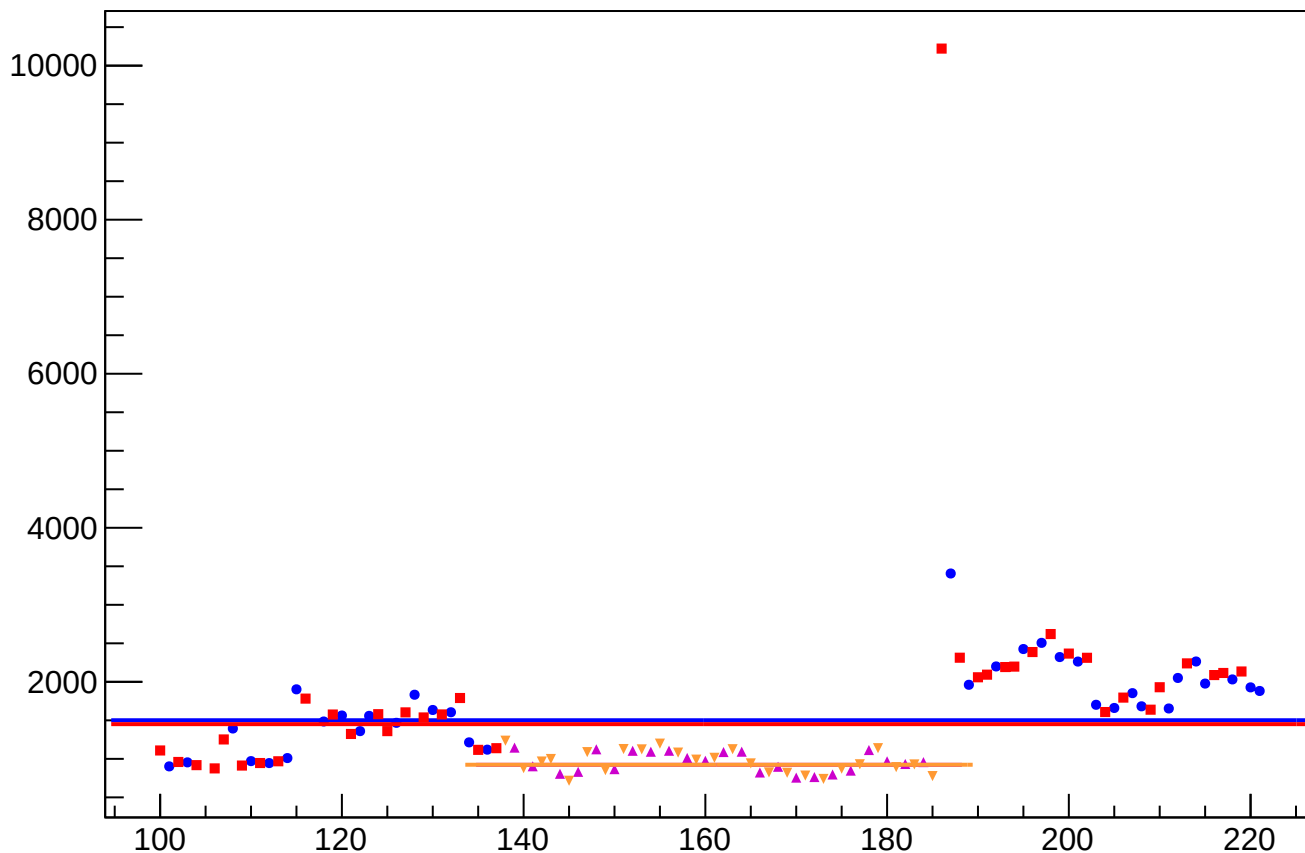
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -1076.989 ± 185.693 χ^2/NDF : 107.8/59

All: -883.246 ± 132.307 χ^2/NDF : 218.2/119

- sign -683.471 ± 188.562 χ^2/NDF : 108.2/59

asym_sam_48_dd_correction_rms vs Slug



Right In: 1501.296+/-0.251 χ^2 /NDF: 3715496.3/34

Left Out: 923.586+/-0.154 χ^2 /NDF: 842758.6/24

Right Out: 1450.559+/-0.249 χ^2 /NDF: 4914742.8/36

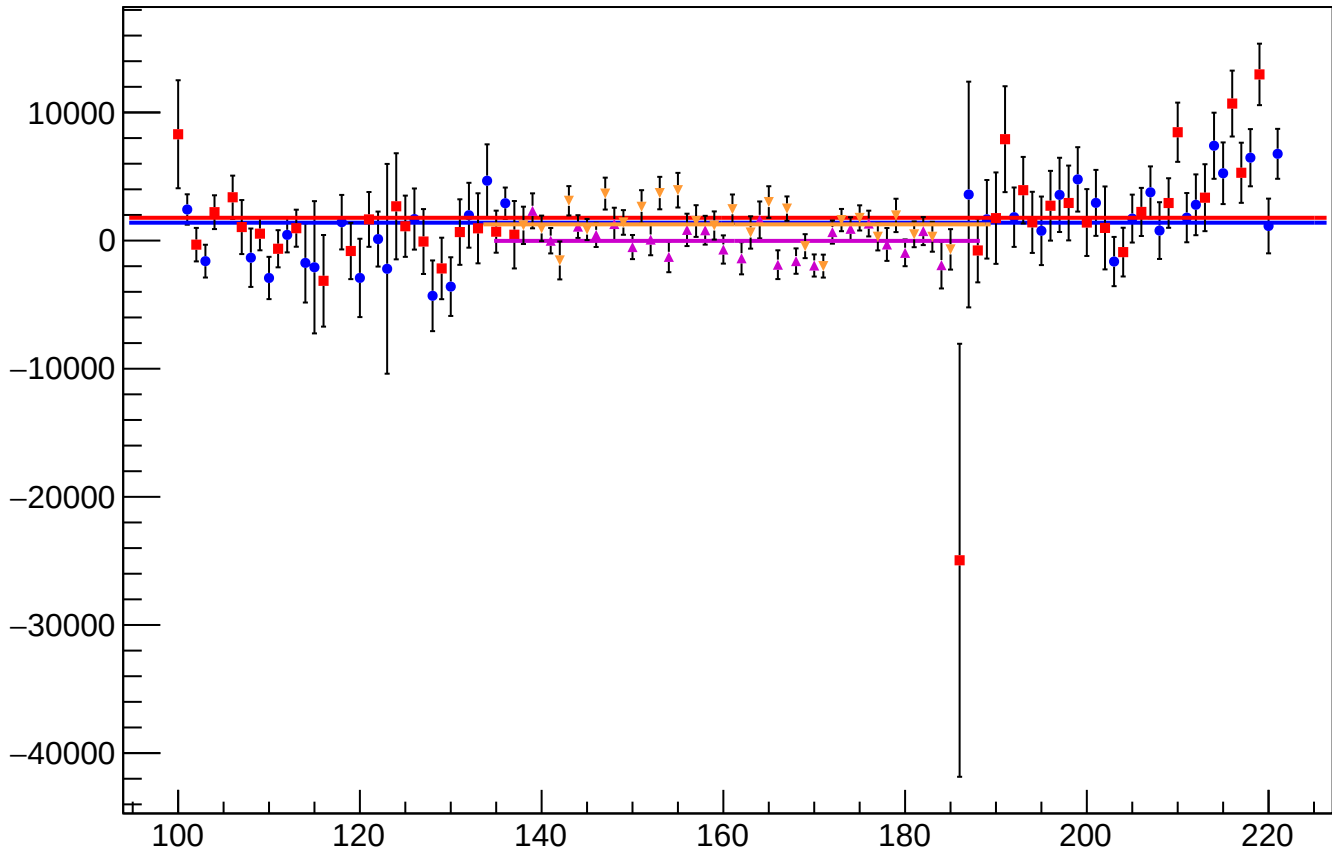
Left In: 922.245+/-0.158 χ^2 /NDF: 634712.1/22

+ sign 1082.208+/-0.131 χ^2 /NDF: 8413982.9/59

All: 1078.080+/-0.094 χ^2 /NDF: 17177604.9/119

- sign 1073.824+/-0.133 χ^2 /NDF: 8761614.5/59

asym_sam_48_dd_mean vs Slug



Right In: 1395.509 ± 355.821 χ^2/NDF : 59.0/34

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 1779.475 ± 353.631 χ^2/NDF : 71.7/36

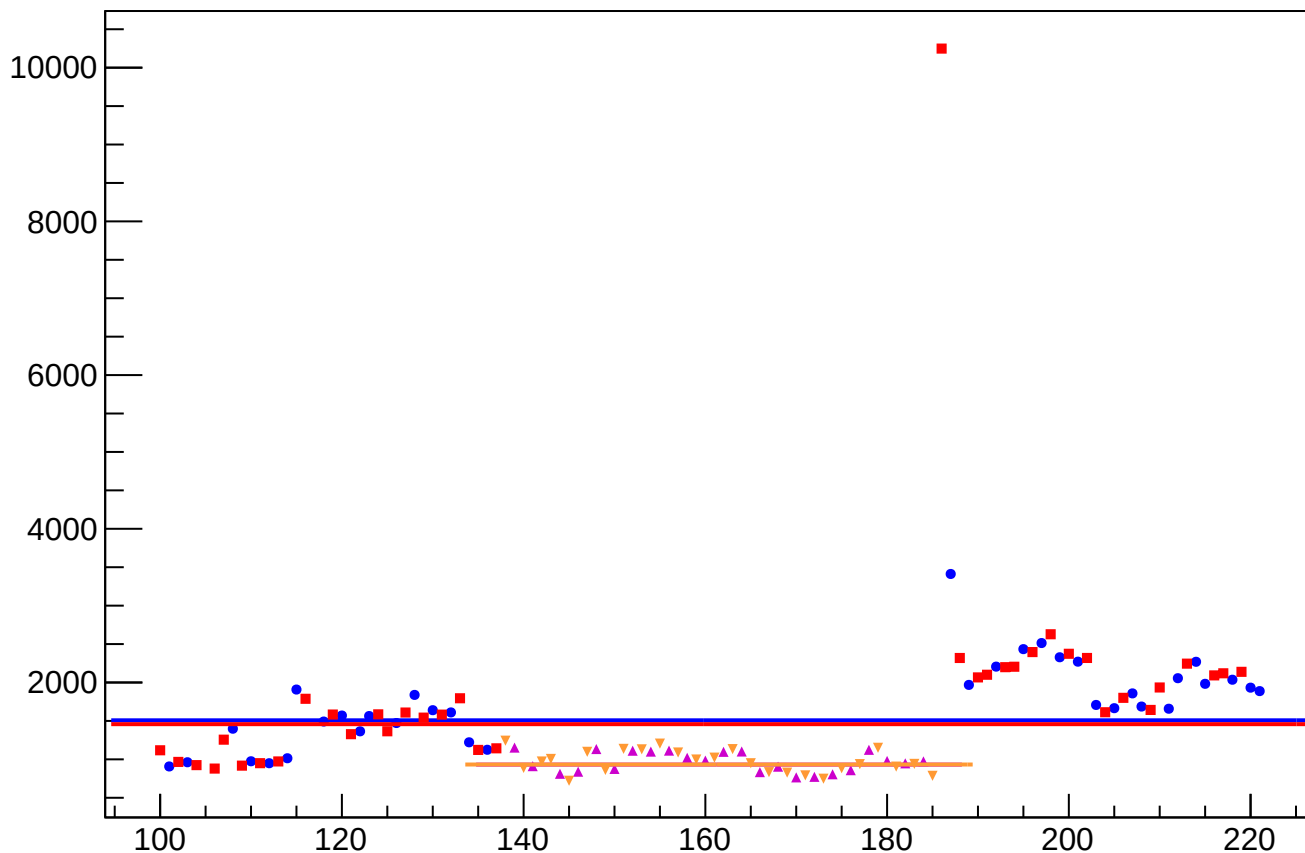
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1302.820 ± 187.204 χ^2/NDF : 104.0/59

All: 906.489 ± 133.395 χ^2/NDF : 230.4/119

- sign 497.684 ± 190.127 χ^2/NDF : 117.3/59

asym_sam_48_dd_rms vs Slug



Right In: 1507.986+/-0.252 χ^2/NDF : 3689315.0/34

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1457.679+/-0.250 χ^2/NDF : 4882896.7/36

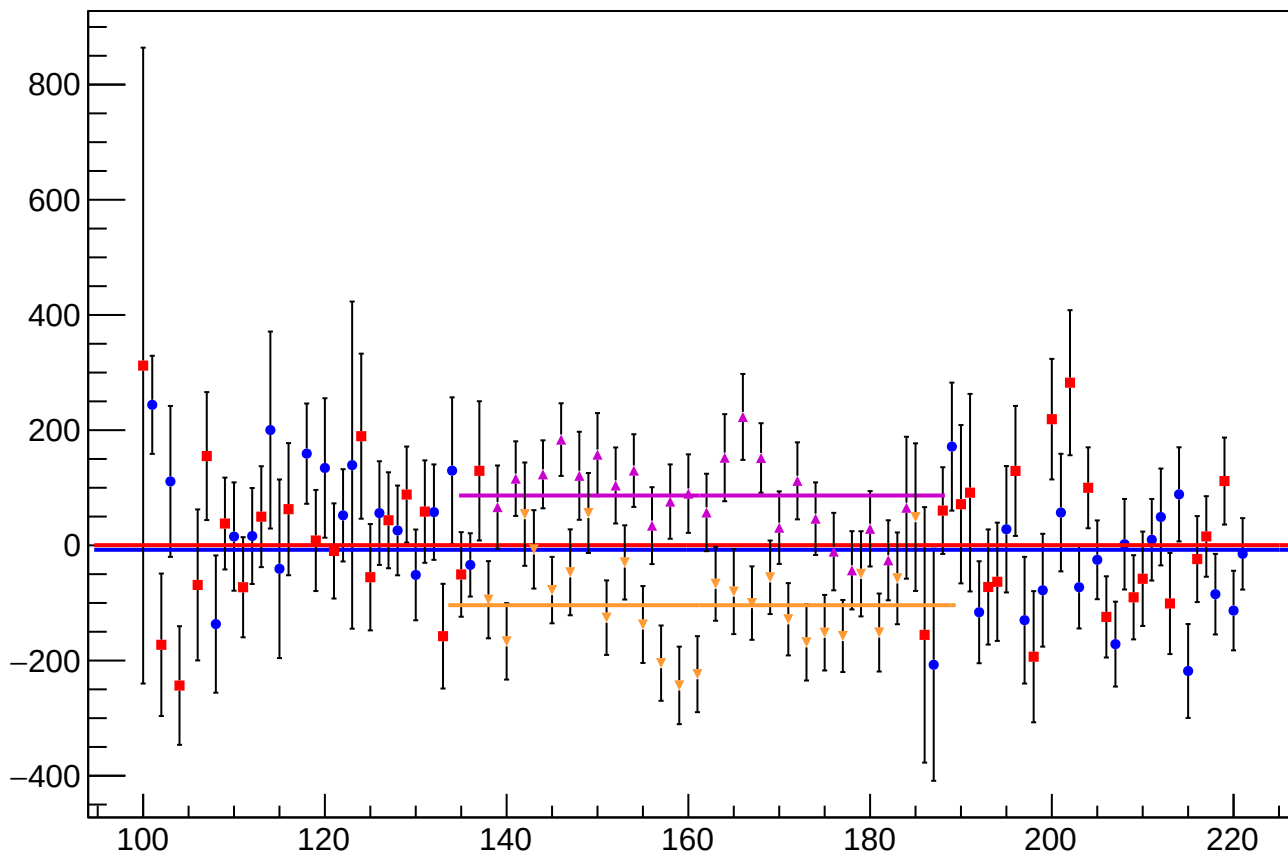
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1091.986+/-0.132 χ^2/NDF : 8299161.5/59

All: 1087.854+/-0.094 χ^2/NDF : 16956521.9/100

- sign 1083.592+/-0.134 χ^2/NDF : 8655381.1/59

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -7.703 ± 14.706 $\chi^2/\text{NDF}: 46.6/34$

Left Out: -103.899 ± 13.642 $\chi^2/\text{NDF}: 30.0/24$

Right Out: 0.356 ± 15.343 $\chi^2/\text{NDF}: 47.2/36$

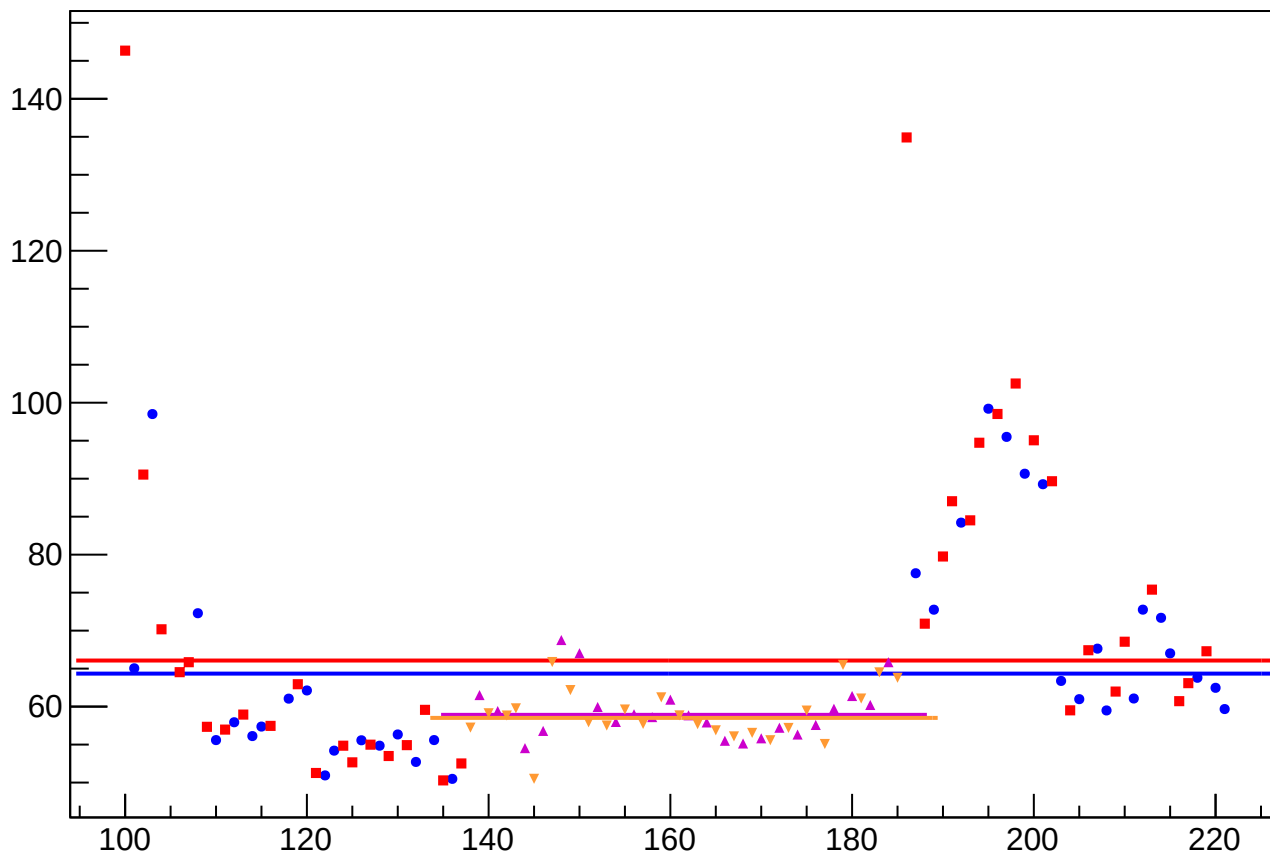
Left In: 86.542 ± 14.120 $\chi^2/\text{NDF}: 21.4/22$

+ sign -59.405 ± 10.001 $\chi^2/\text{NDF}: 99.6/59$

All: -8.219 ± 7.205 $\chi^2/\text{NDF}: 239.7/119$

- sign 47.019 ± 10.390 $\chi^2/\text{NDF}: 85.7/59$

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.342 $\pm$ 0.010 χ^2 /NDF: 1309380.7/34

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

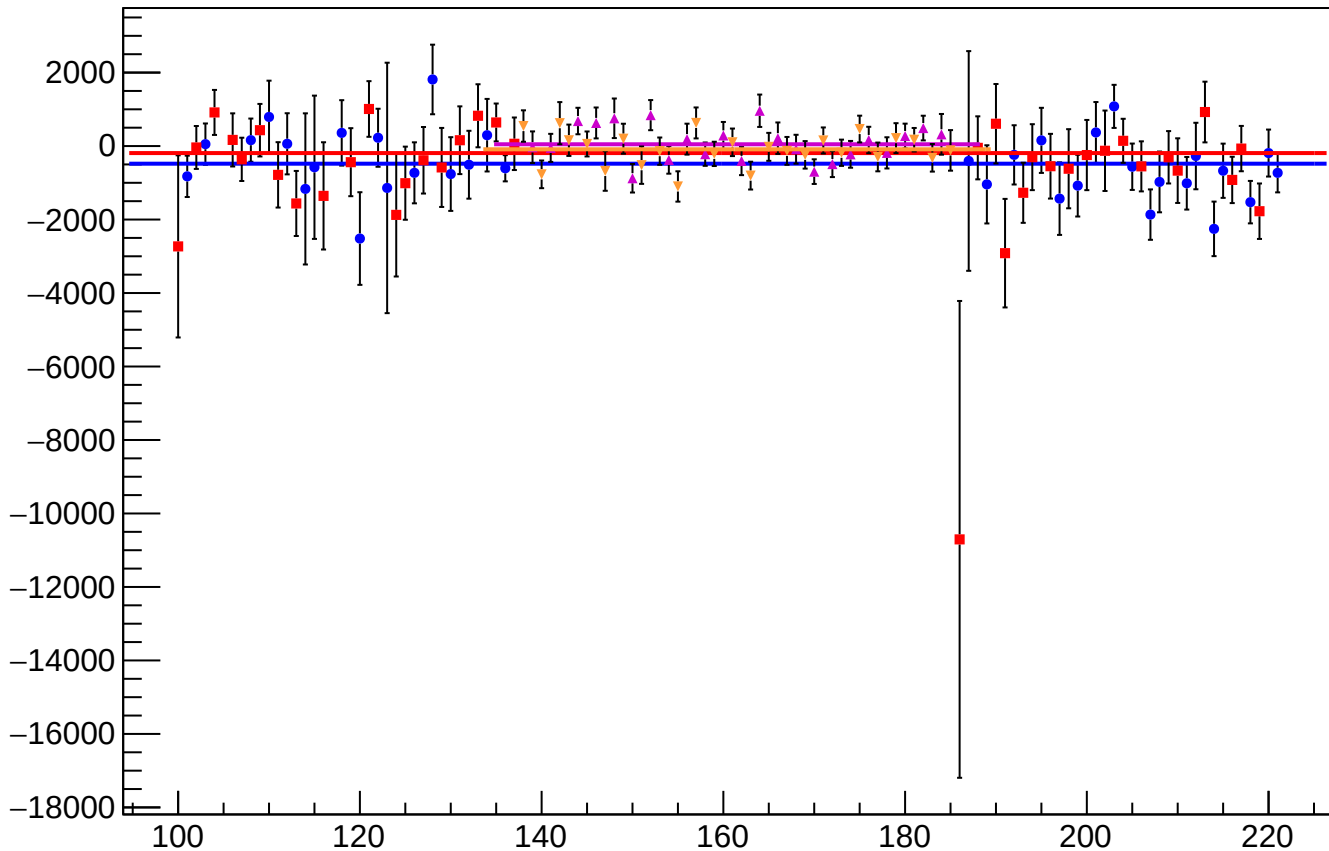
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 61.209 $\pm$ 0.007 χ^2 /NDF: 1601491.4/59

All: 61.682 $\pm$ 0.005 χ^2 /NDF: 3643711.9/119

- sign 62.192 $\pm$ 0.007 χ^2 /NDF: 2032922.3/59

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -479.938±/127.068 χ^2/NDF : 40.8/34

Left Out: -87.459±/78.556 χ^2/NDF : 27.7/24

Right Out: -190.737±/133.374 χ^2/NDF : 34.9/36

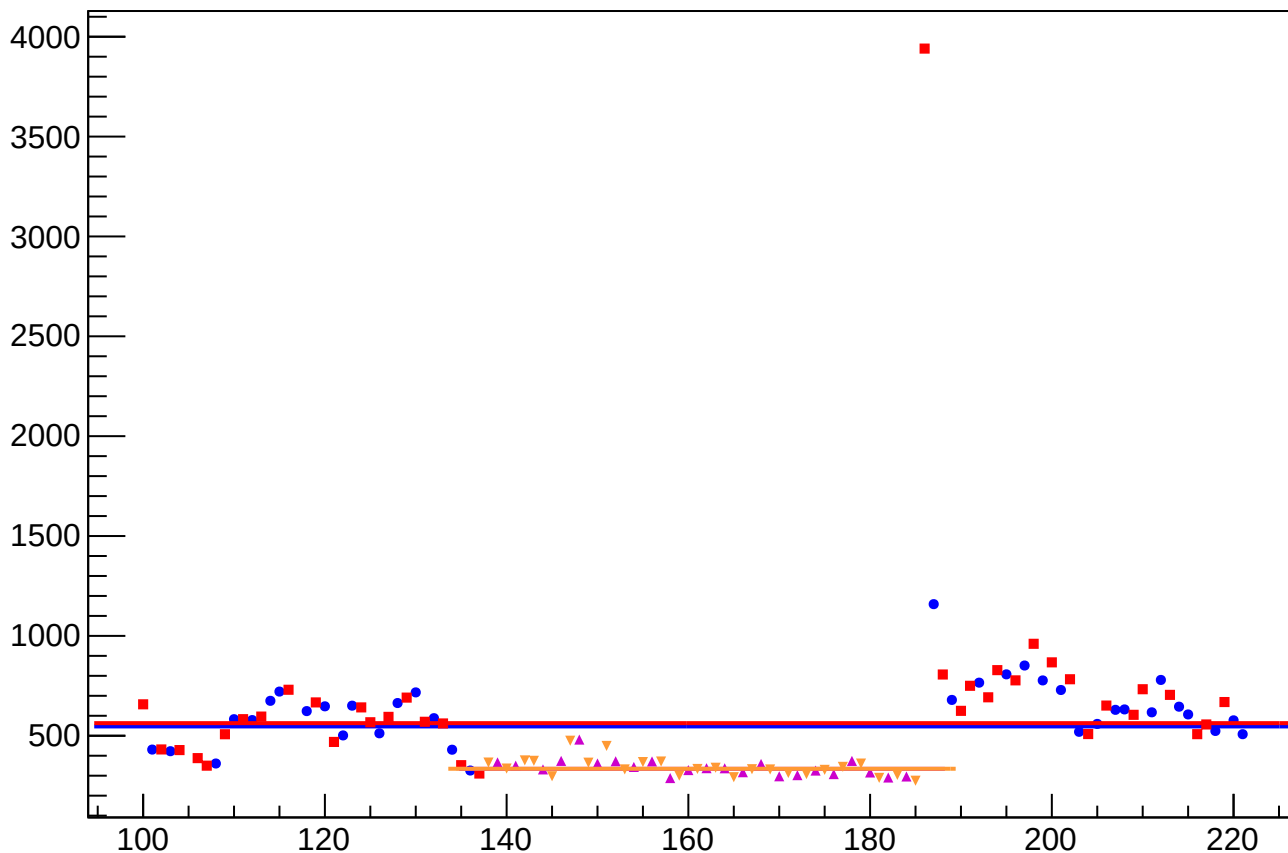
Left In: 48.742±/80.548 χ^2/NDF : 35.3/22

+ sign -195.986±/66.818 χ^2/NDF : 75.4/59

All: -108.458±/47.983 χ^2/NDF : 151.5/119

- sign -15.259±/68.949 χ^2/NDF : 72.6/59

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 546.597 $\pm$ 0.090 χ^2 /NDF: 2488087.9/34

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

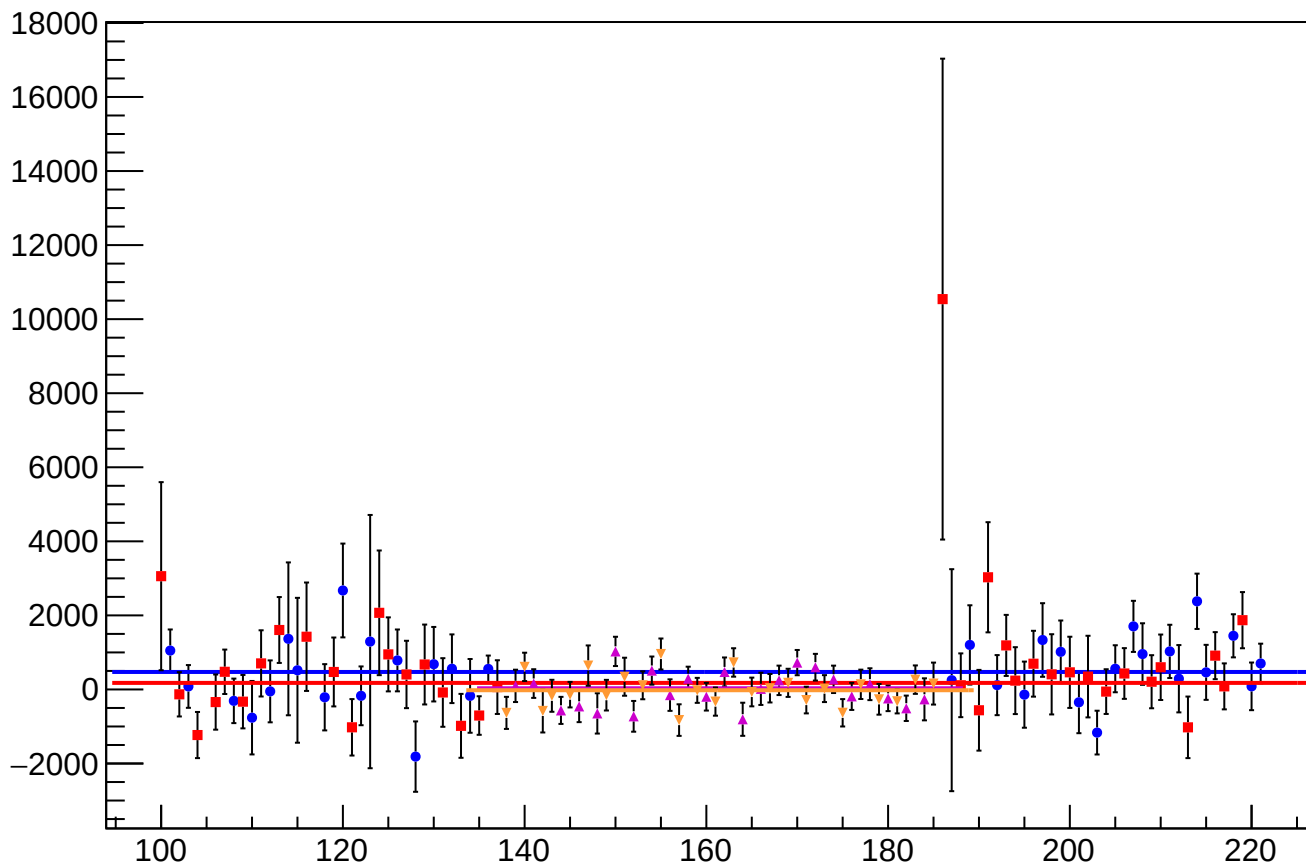
Left In: 334.147 $\pm$ 0.057 χ^2 /NDF: 397200.6/22

+ sign 393.328 $\pm$ 0.047 χ^2 /NDF: 7001422.6/59

All: 394.303 $\pm$ 0.034 χ^2 /NDF: 14900952.3/11

- sign 395.341 $\pm$ 0.049 χ^2 /NDF: 7898650.5/59

asym_sam_13_57_dd_mean vs Slug



Right In: 472.360 $\pm$ 128.219 χ^2 /NDF: 41.1/34

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

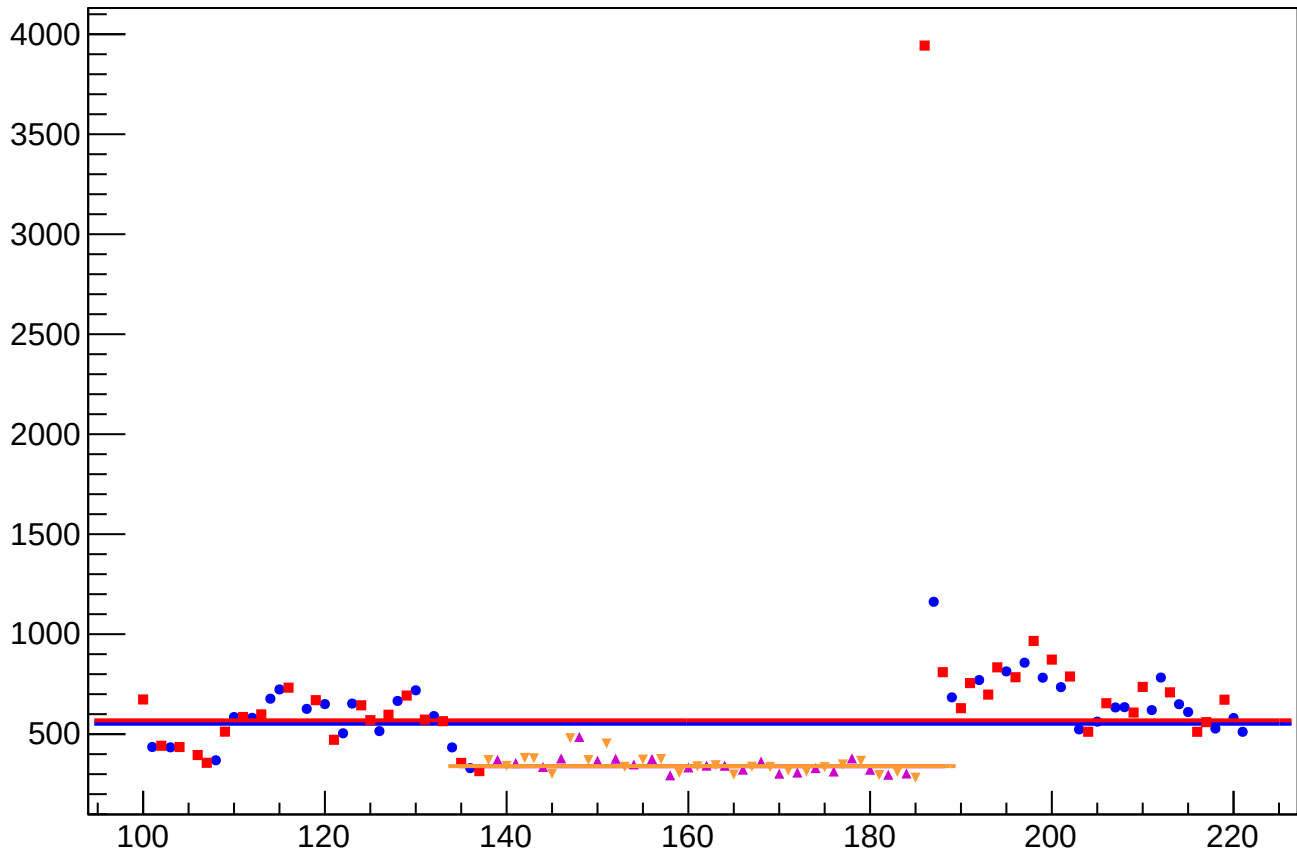
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 116.852 $\pm$ 67.757 χ^2 /NDF: 79.0/59

All: 94.632 $\pm$ 48.663 χ^2 /NDF: 152.7/119

- sign 70.961 $\pm$ 69.935 χ^2 /NDF: 73.6/59

asym_sam_13_57_dd_rms vs Slug



Right In: 552.100+/-0.091 χ^2/NDF : 2419812.9/34

Left Out: 340.238+/-0.056 χ^2/NDF : 468863.6/24

Right Out: 569.046+/-0.095 χ^2/NDF : 3109690.3/36

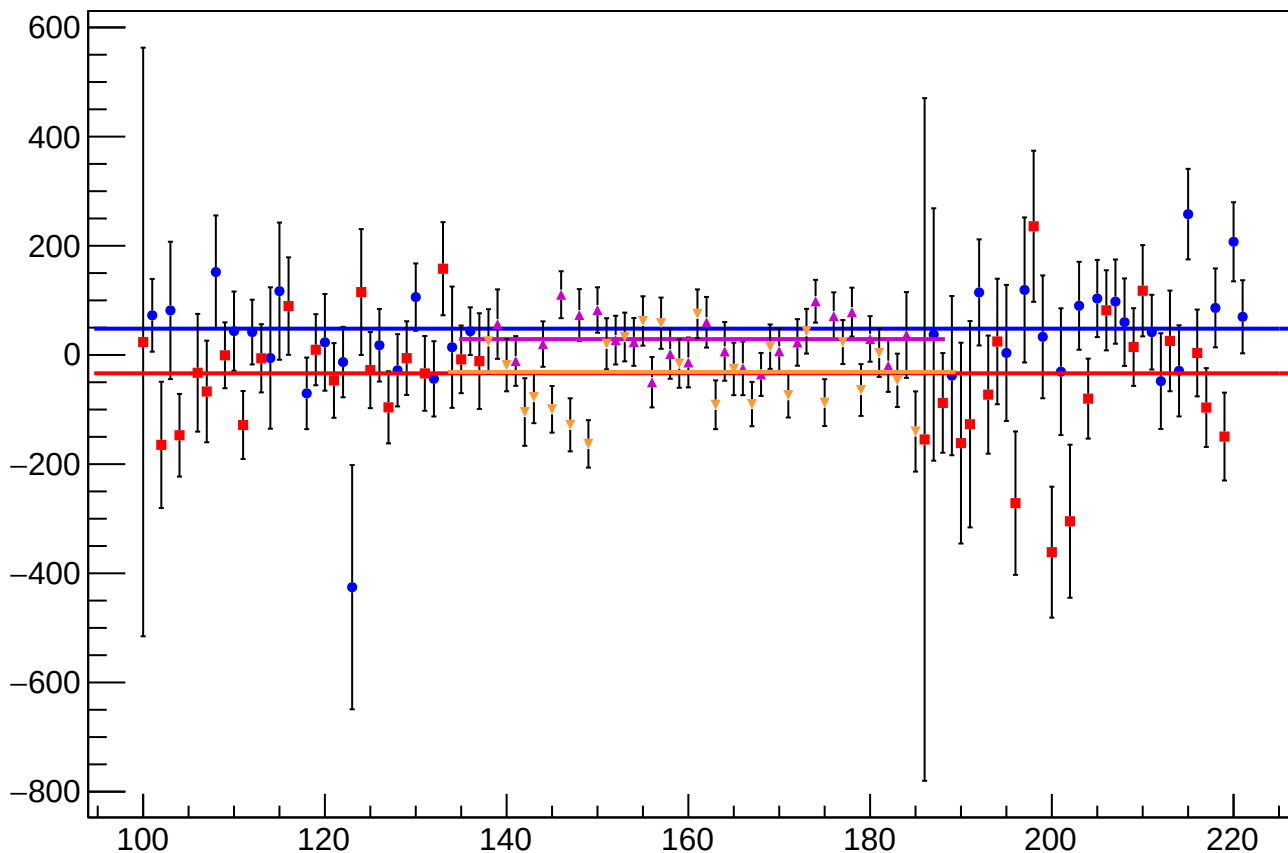
Left In: 339.621+/-0.058 χ^2/NDF : 379808.1/22

+ sign 399.403+/-0.048 χ^2/NDF : 6824312.1/59

All: 400.423+/-0.034 χ^2/NDF : 14554693.8/11

- sign 401.510+/-0.049 χ^2/NDF : 7729444.7/59

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 48.169 $\pm$ 13.494 χ^2 /NDF: 31.4/34

Left Out: -31.063 $\pm$ 9.170 χ^2 /NDF: 52.6/24

Right Out: -33.631 $\pm$ 13.873 χ^2 /NDF: 46.7/36

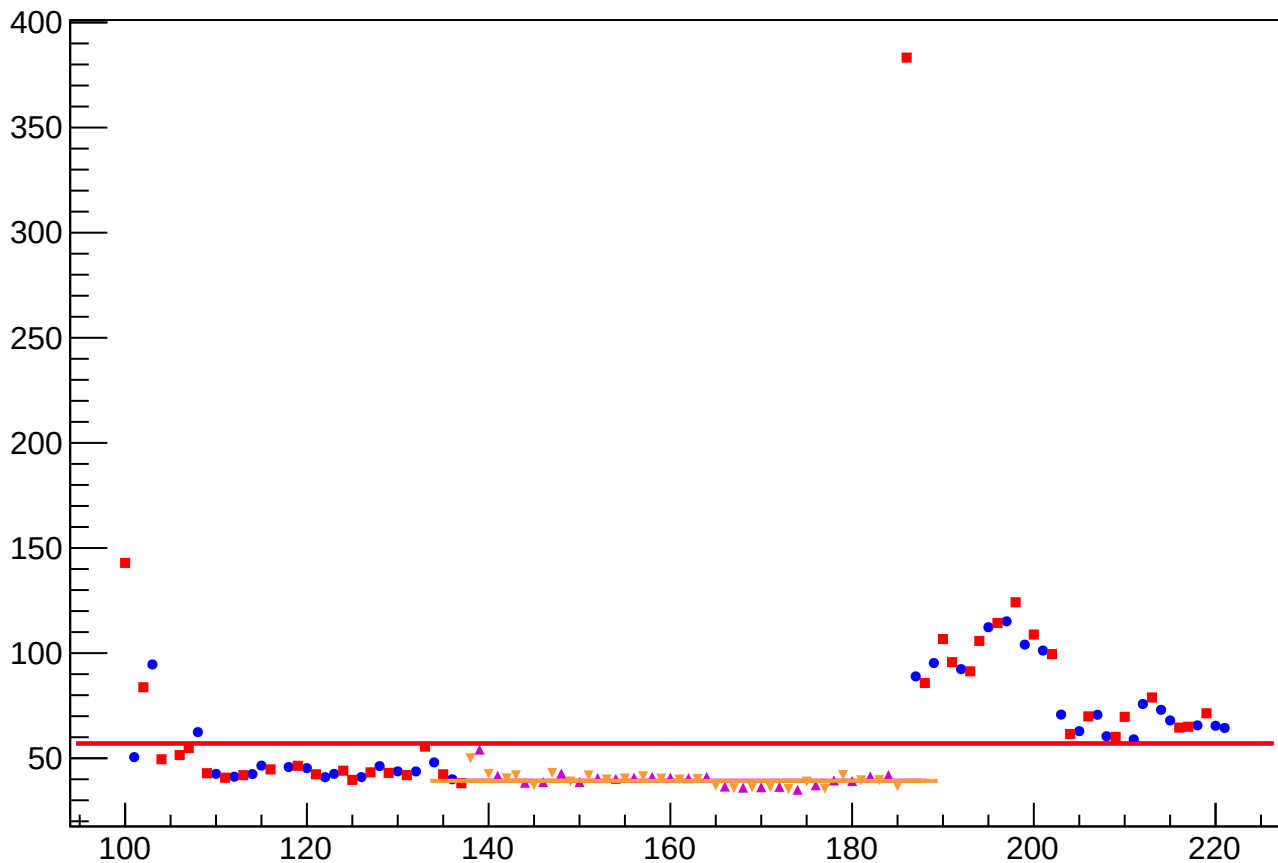
Left In: 29.055 $\pm$ 9.449 χ^2 /NDF: 22.4/22

+ sign -6.035 $\pm$ 7.584 χ^2 /NDF: 107.6/59

All: 1.354 $\pm$ 5.441 χ^2 /NDF: 192.7/119

- sign 9.189 $\pm$ 7.810 χ^2 /NDF: 83.1/59

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 57.049 $\pm$ 0.010 χ^2 /NDF: 3617521.4/34

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

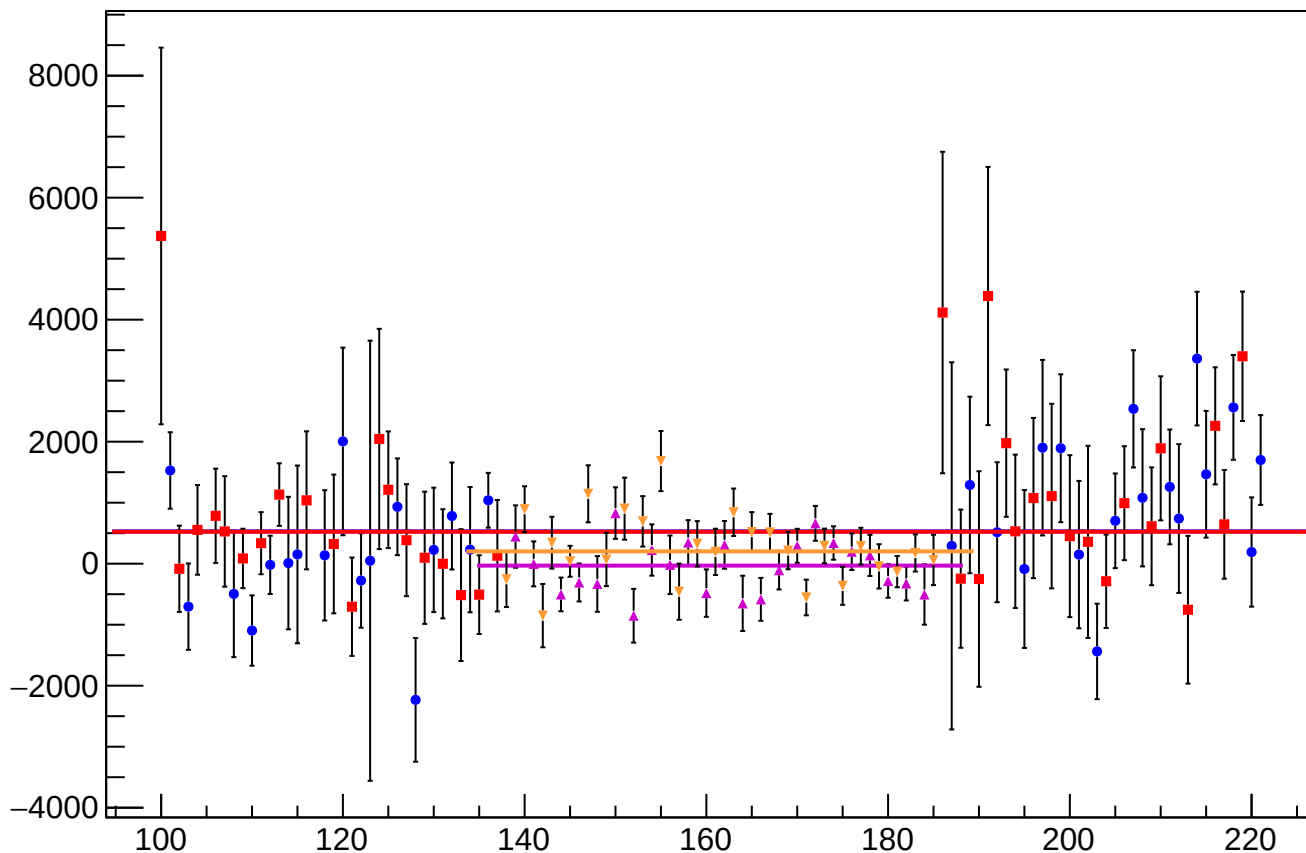
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 44.862 $\pm$ 0.005 χ^2 /NDF: 6203873.6/59

All: 44.899 $\pm$ 0.004 χ^2 /NDF: 13270711.7/119

- sign 44.938 $\pm$ 0.006 χ^2 /NDF: 7066740.6/59

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 529.304 ± 149.143 $\chi^2/\text{NDF}: 57.7/34$

Left Out: 202.369 ± 70.426 $\chi^2/\text{NDF}: 44.8/24$

Right Out: 524.734 ± 150.249 $\chi^2/\text{NDF}: 35.8/36$

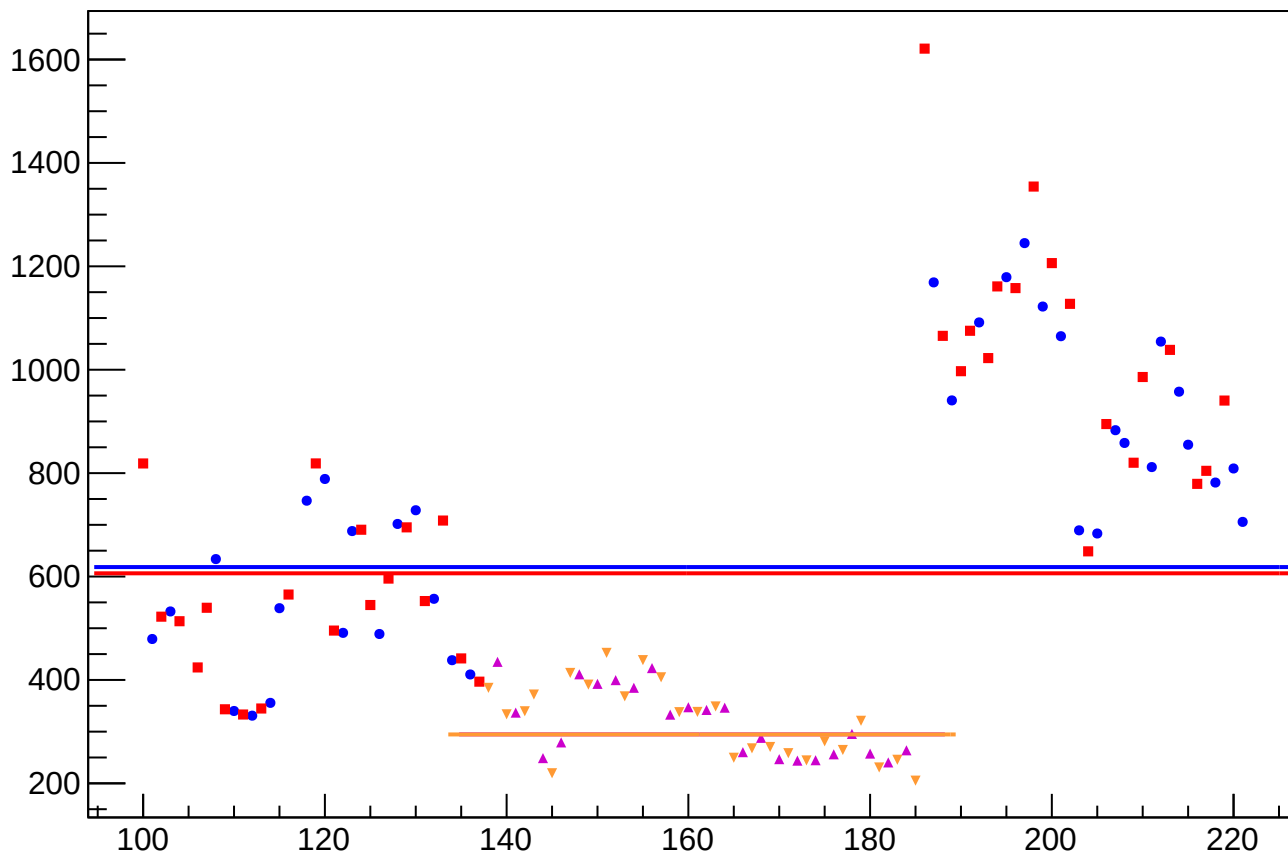
Left In: -31.548 ± 72.100 $\chi^2/\text{NDF}: 33.4/22$

+ sign 261.977 ± 63.683 $\chi^2/\text{NDF}: 106.4/59$

All: 169.218 ± 45.490 $\chi^2/\text{NDF}: 191.0/119$

- sign 72.573 ± 65.003 $\chi^2/\text{NDF}: 80.3/59$

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 618.316 $\pm$ 0.105 χ^2/NDF : 5122911.5/34

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

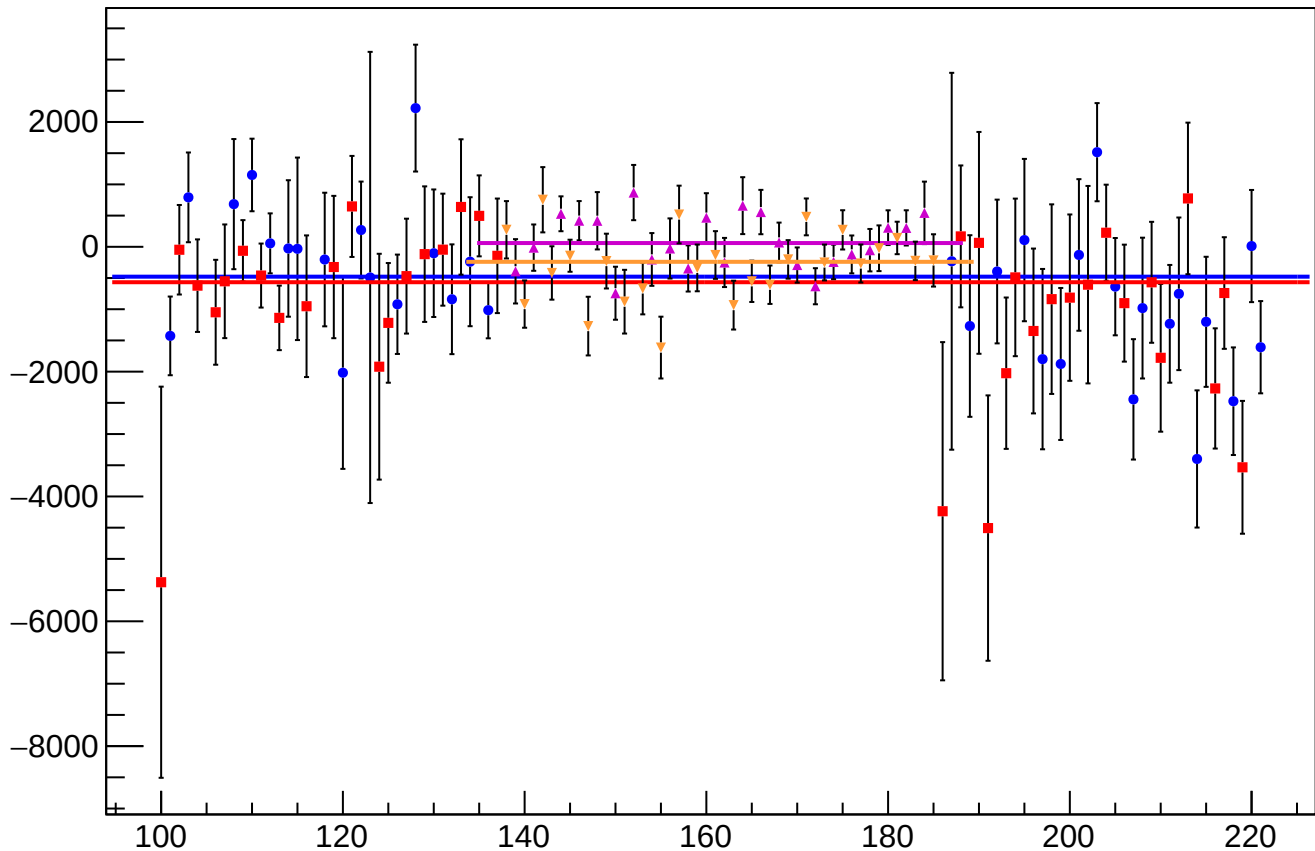
Left In: 294.722 $\pm$ 0.051 χ^2/NDF : 1297310.3/22

+ sign 353.614 $\pm$ 0.045 χ^2/NDF : 14508137.8/59

All: 353.328 $\pm$ 0.032 χ^2/NDF : 29099840.2/11

- sign 353.029 $\pm$ 0.046 χ^2/NDF : 14591619.8/59

asym_sam_15_37_dd_mean vs Slug



Right In: -478.390 ± 149.943 χ^2/NDF : 56.9/34

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -567.422 ± 151.531 χ^2/NDF : 35.7/36

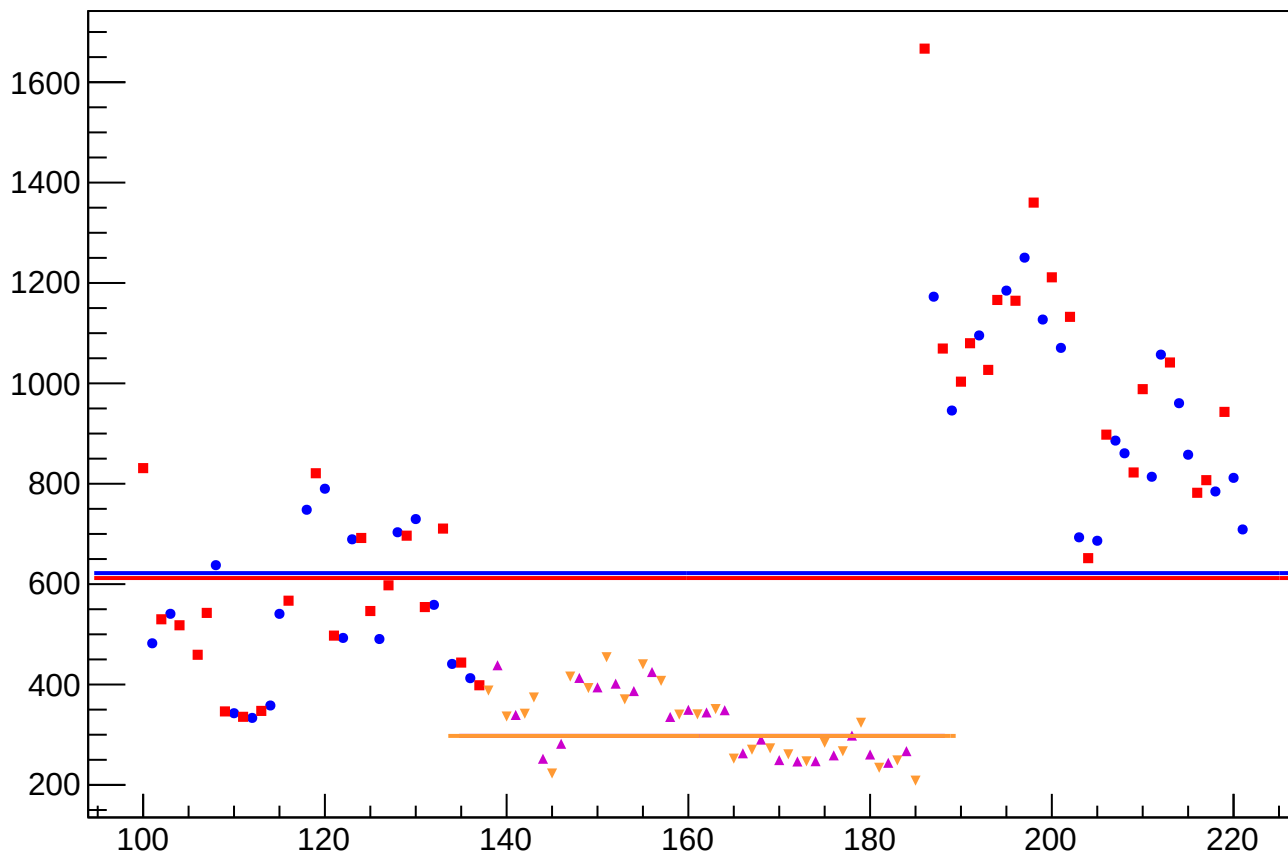
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -284.053 ± 64.244 χ^2/NDF : 101.9/59

All: -173.094 ± 45.903 χ^2/NDF : 188.5/119

- sign -57.360 ± 65.611 χ^2/NDF : 80.5/59

asym_sam_15_37_dd_rms vs Slug



Right In: 621.967+/-0.106 χ^2/NDF : 5087952.4/34

Left Out: 297.613+/-0.050 χ^2/NDF : 1637757.8/24

Right Out: 612.130+/-0.107 χ^2/NDF : 6225842.4/36

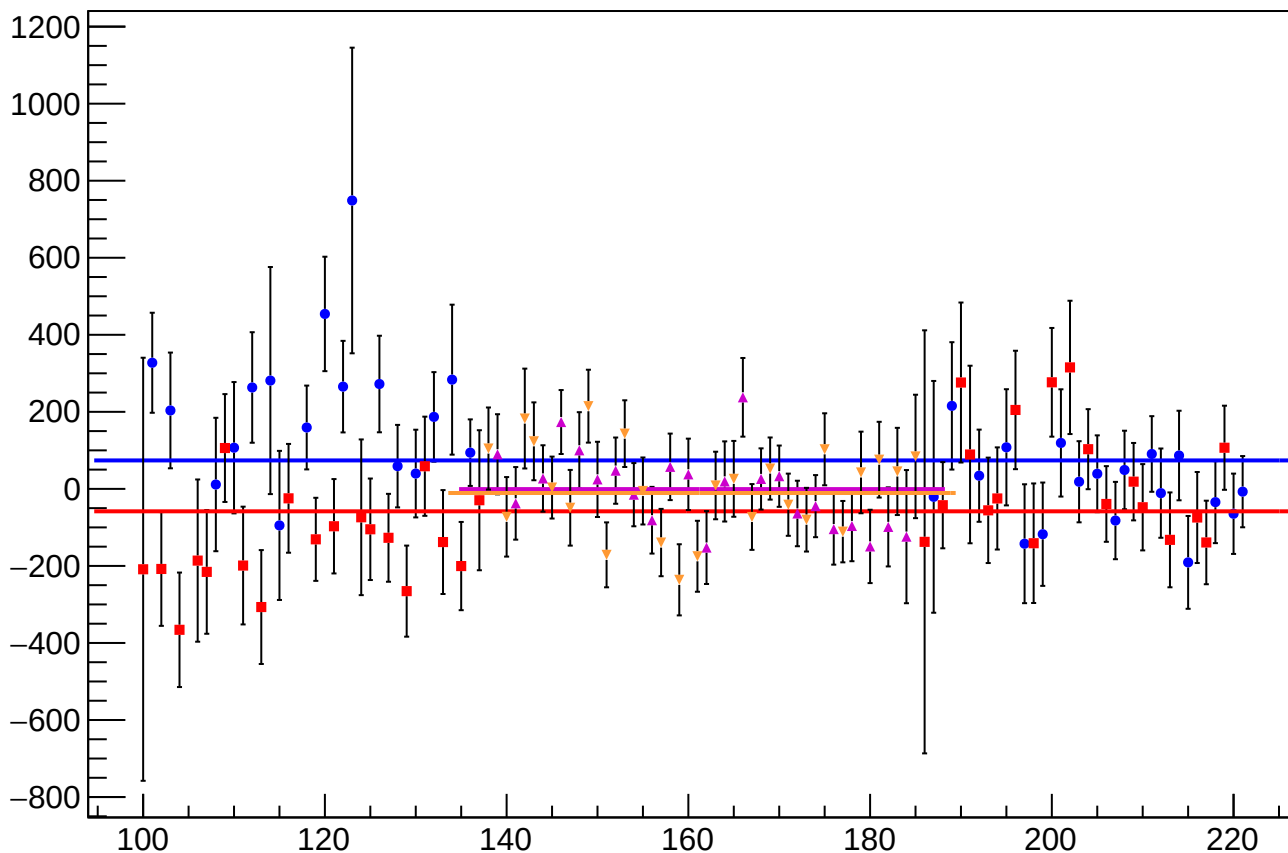
Left In: 297.699+/-0.051 χ^2/NDF : 1266306.2/22

+ sign 357.156+/-0.045 χ^2/NDF : 14366449.6/59

All: 356.907+/-0.032 χ^2/NDF : 28855618.0/119

- sign 356.648+/-0.046 χ^2/NDF : 14489107.2/59

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 73.866 $\pm$ 21.115 χ^2 /NDF: 42.1/34

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

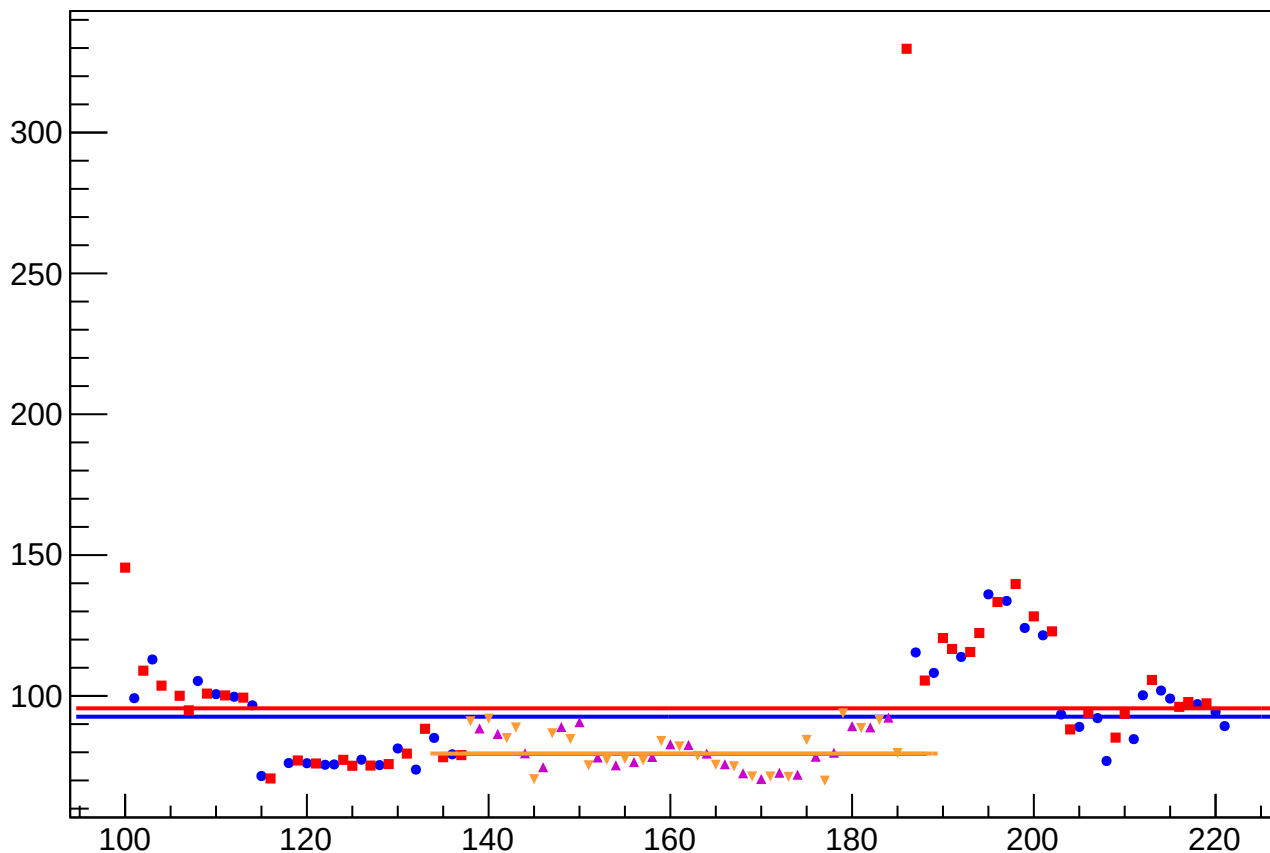
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF: 23.8/22

+ sign 26.288 $\pm$ 13.961 χ^2 /NDF: 87.5/59

All: 1.488 $\pm$ 10.046 χ^2 /NDF: 163.2/119

- sign -25.137 $\pm$ 14.466 χ^2 /NDF: 69.2/59

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 92.631+/-0.015 χ^2/NDF : 1098371.5/34

Left Out: 79.551+/-0.013 χ^2/NDF : 309075.2/24

Right Out: 95.608+/-0.016 χ^2/NDF : 1536787.7/36

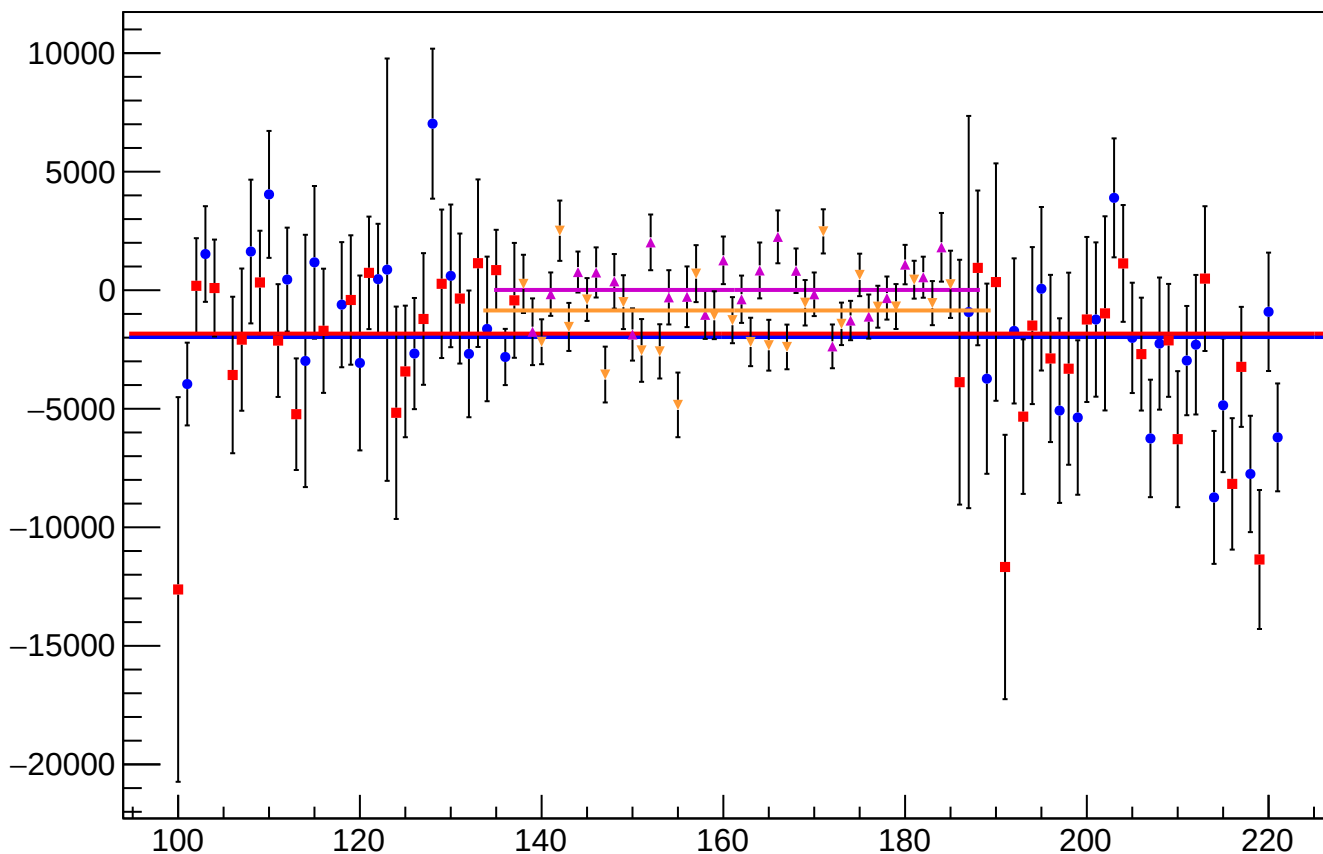
Left In: 79.436+/-0.013 χ^2/NDF : 212440.1/22

+ sign 85.269+/-0.010 χ^2/NDF : 1839377.0/59

All: 85.777+/-0.007 χ^2/NDF : 4205193.3/119

- sign 86.323+/-0.010 χ^2/NDF : 2360321.1/59

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1974.379 ± 440.185 χ^2/NDF : 51.1/34

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1830.561 ± 461.645 χ^2/NDF : 40.0/36

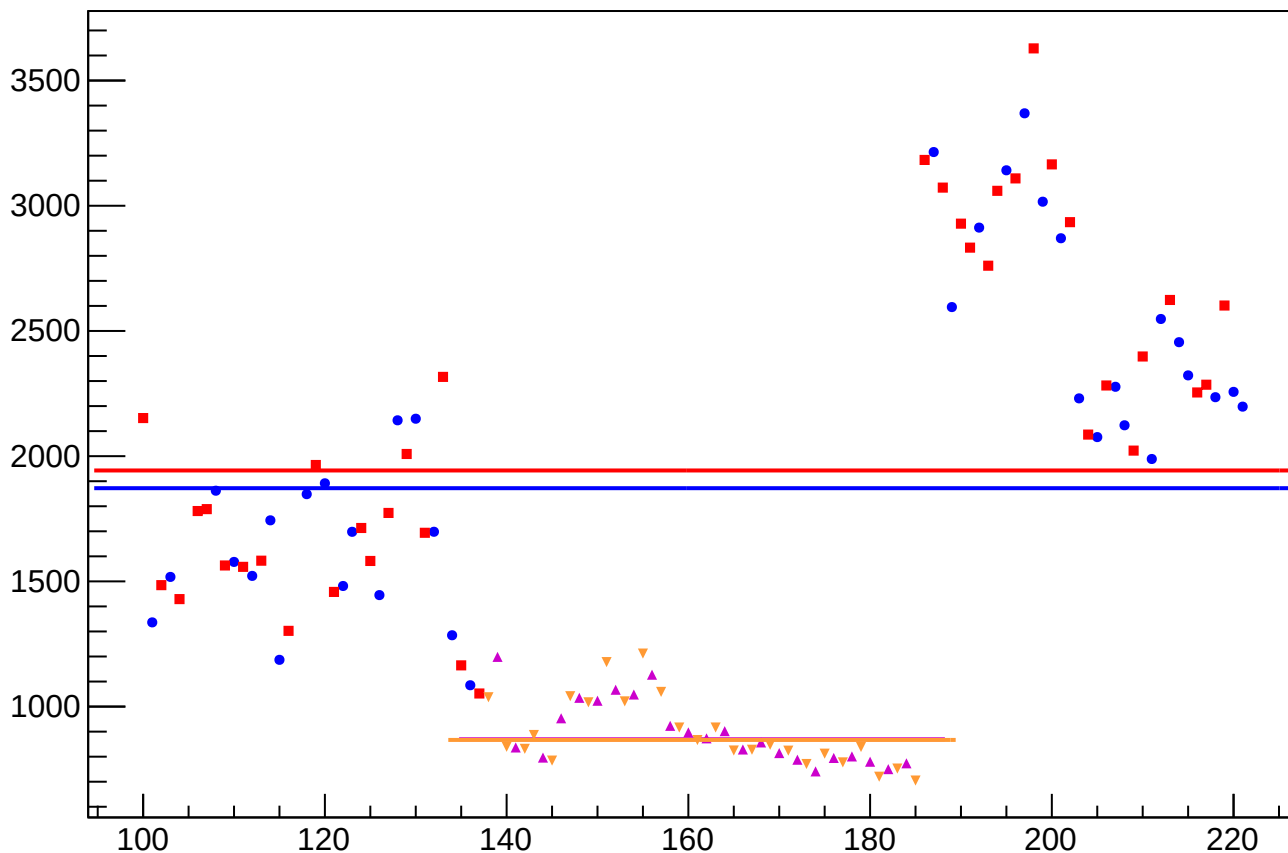
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -1052.338 ± 185.157 χ^2/NDF : 112.4/59

All: -690.365 ± 133.013 χ^2/NDF : 204.7/119

- sign -304.351 ± 191.207 χ^2/NDF : 84.4/59

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1872.141 $\pm$ 0.311 χ^2 /NDF: 3392763.2/34

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

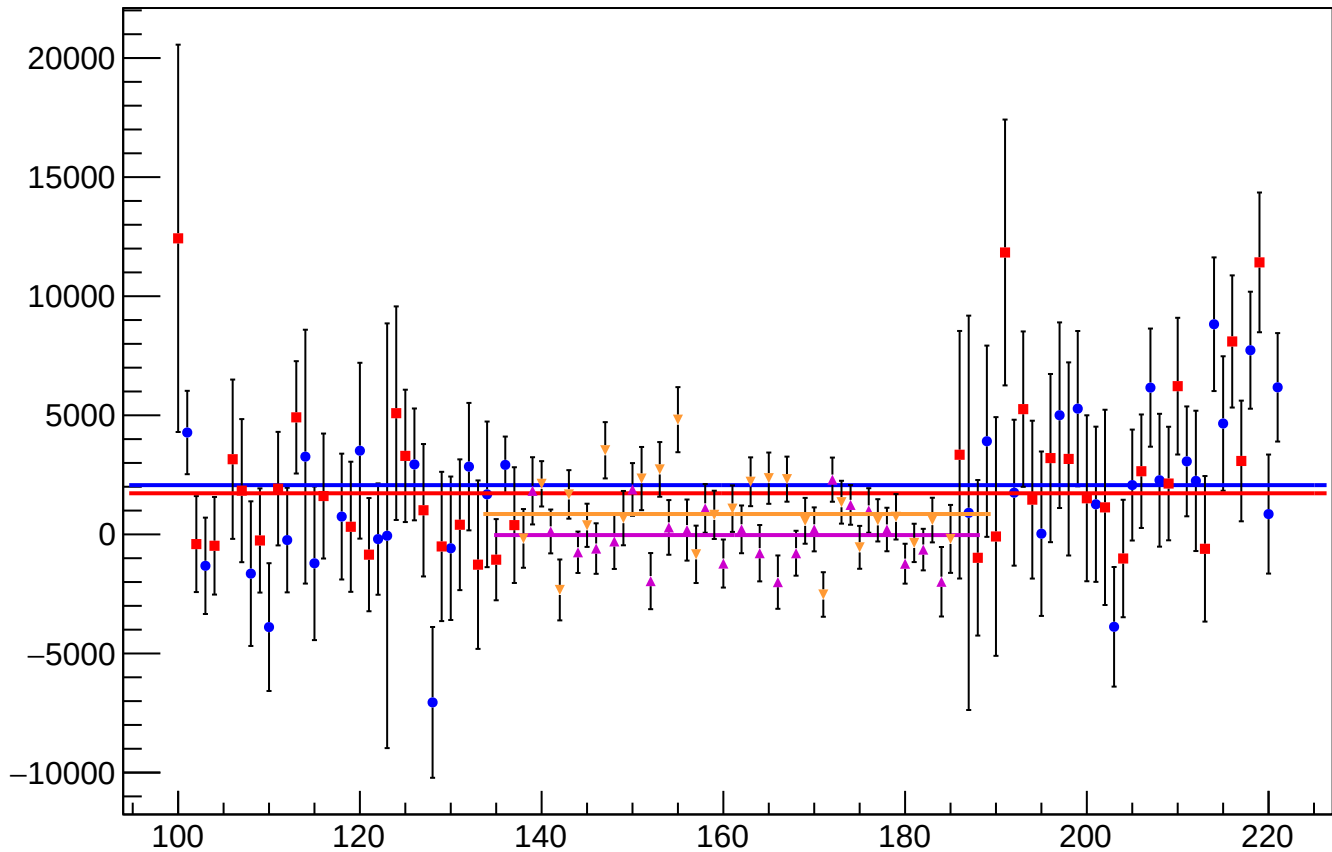
Left In: 869.569 $\pm$ 0.149 χ^2 /NDF: 582301.2/22

+ sign 1044.754 $\pm$ 0.131 χ^2 /NDF: 12639477.1/59

All: 1049.082 $\pm$ 0.094 χ^2 /NDF: 25688798.1/1

- sign 1053.698 $\pm$ 0.135 χ^2 /NDF: 13047062.8/59

asym_sam_24_68_dd_mean vs Slug



Right In: 2068.012 $\pm$ 440.873 χ^2 /NDF: 50.4/34

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

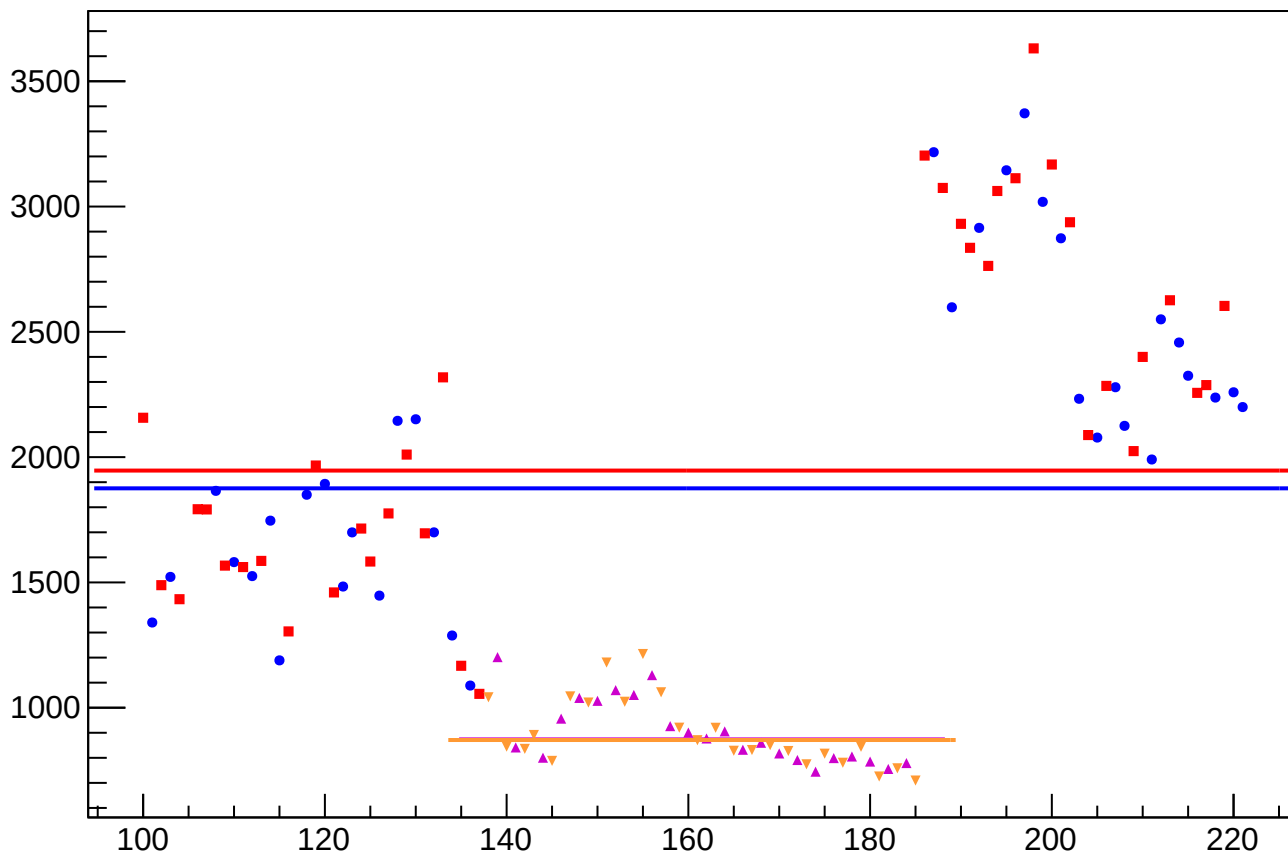
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 1071.271 $\pm$ 185.922 χ^2 /NDF: 110.7/59

All: 685.360 $\pm$ 133.560 χ^2 /NDF: 201.6/119

- sign 273.853 $\pm$ 191.988 χ^2 /NDF: 82.0/59

asym_sam_24_68_dd_rms vs Slug



Right In: 1875.474+/-0.312 χ^2/NDF : 3377746.6/34

Left Out: 871.109+/-0.145 χ^2/NDF : 651751.1/24

+ sign 1049.727+/-0.131 χ^2/NDF : 12563288.0/59

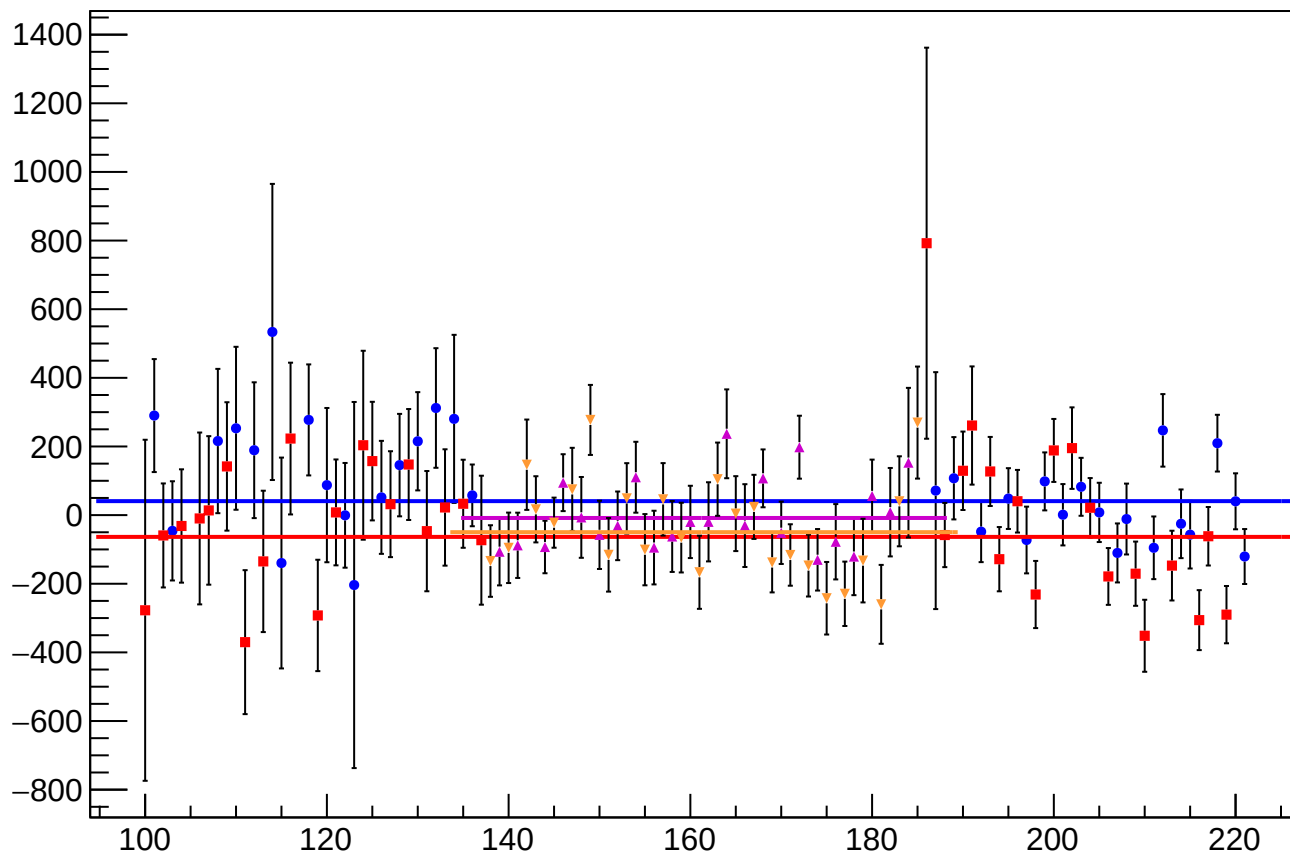
Right Out: 1946.389+/-0.327 χ^2/NDF : 3497418.8/36

All: 1054.001+/-0.094 χ^2/NDF : 25543210.7/1

Left In: 873.675+/-0.149 χ^2/NDF : 573822.5/22

- sign 1058.558+/-0.136 χ^2/NDF : 12977739.3/59

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 40.728 ± 19.436 $\chi^2/\text{NDF}: 37.0/34$

Left Out: -49.717 ± 20.580 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -63.474 ± 20.292 $\chi^2/\text{NDF}: 70.0/36$

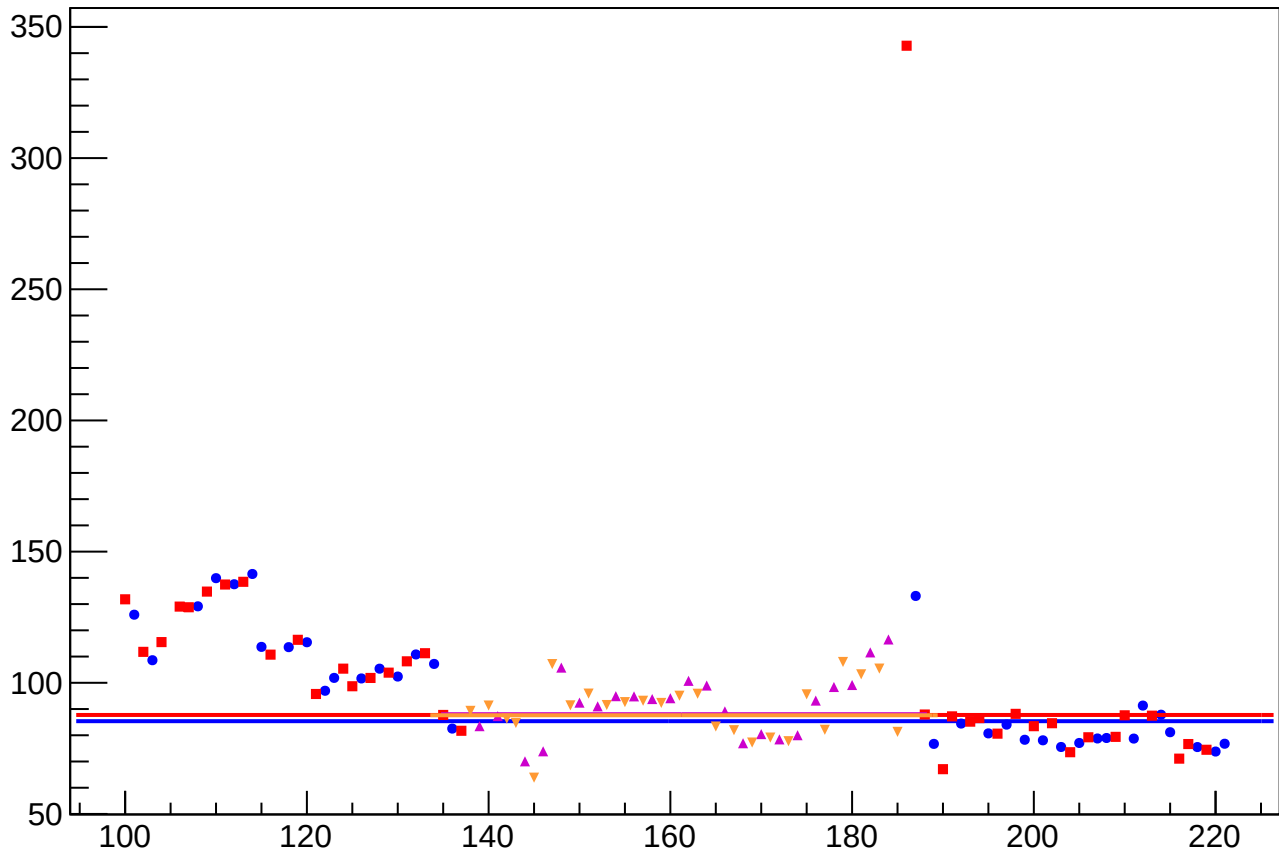
Left In: -8.343 ± 21.271 $\chi^2/\text{NDF}: 22.0/22$

+ sign -1.912 ± 14.131 $\chi^2/\text{NDF}: 86.6/59$

All: -18.883 ± 10.181 $\chi^2/\text{NDF}: 185.1/119$

- sign -37.207 ± 14.683 $\chi^2/\text{NDF}: 95.5/59$

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 85.370 $\pm$ 0.014 χ^2 /NDF: 1070742.5/34

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

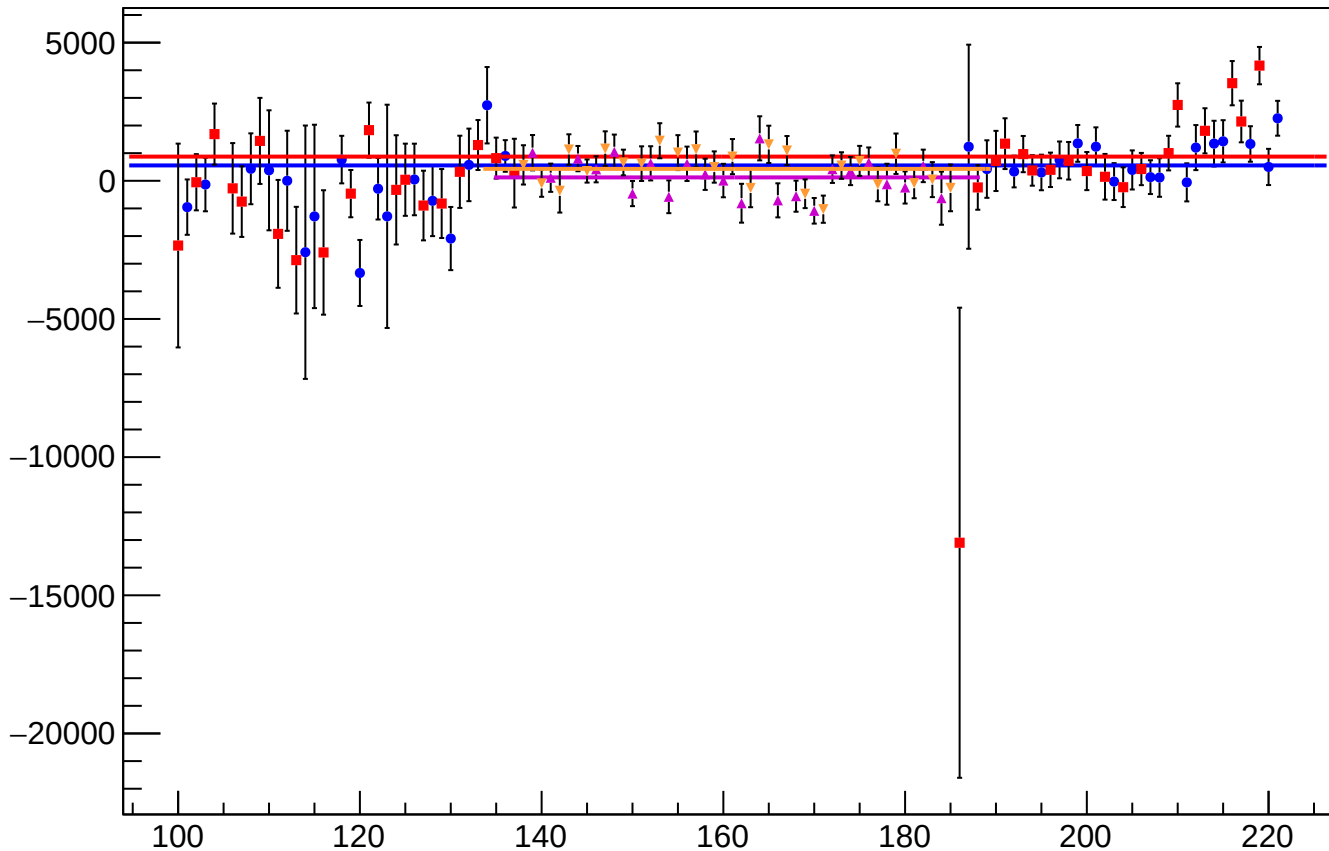
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 86.433 $\pm$ 0.010 χ^2 /NDF: 1638132.5/59

All: 87.129 $\pm$ 0.007 χ^2 /NDF: 3725329.4/119

- sign 87.879 $\pm$ 0.010 χ^2 /NDF: 2077122.0/59

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 556.108 ± 143.741 χ^2/NDF : 41.4/34

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: 875.367 ± 146.998 χ^2/NDF : 76.5/36

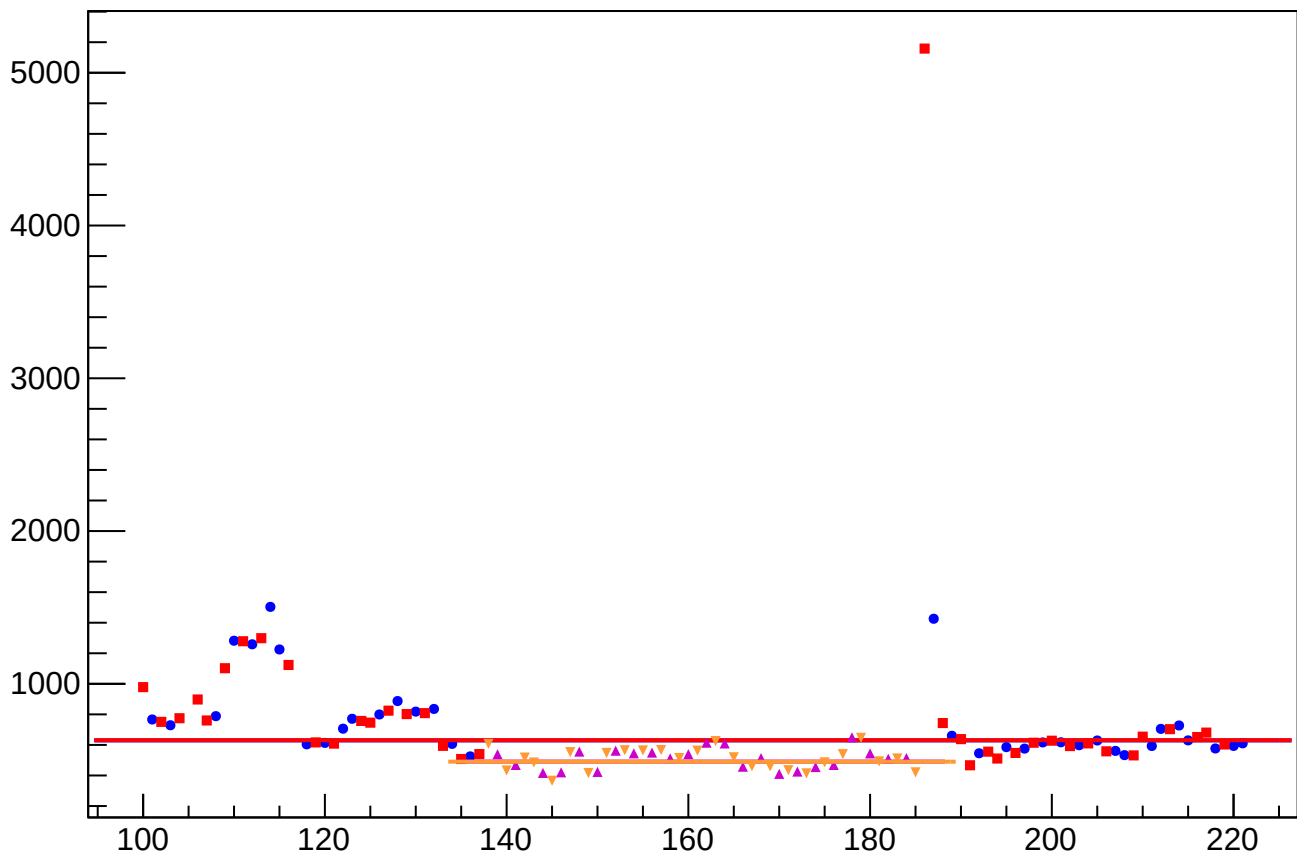
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 480.590 ± 90.132 χ^2/NDF : 72.3/59

All: 451.256 ± 64.527 χ^2/NDF : 194.1/119

- sign 420.414 ± 92.421 χ^2/NDF : 121.6/59

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 629.496 $\pm$ 0.102 χ^2 /NDF: 1250041.8/34

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

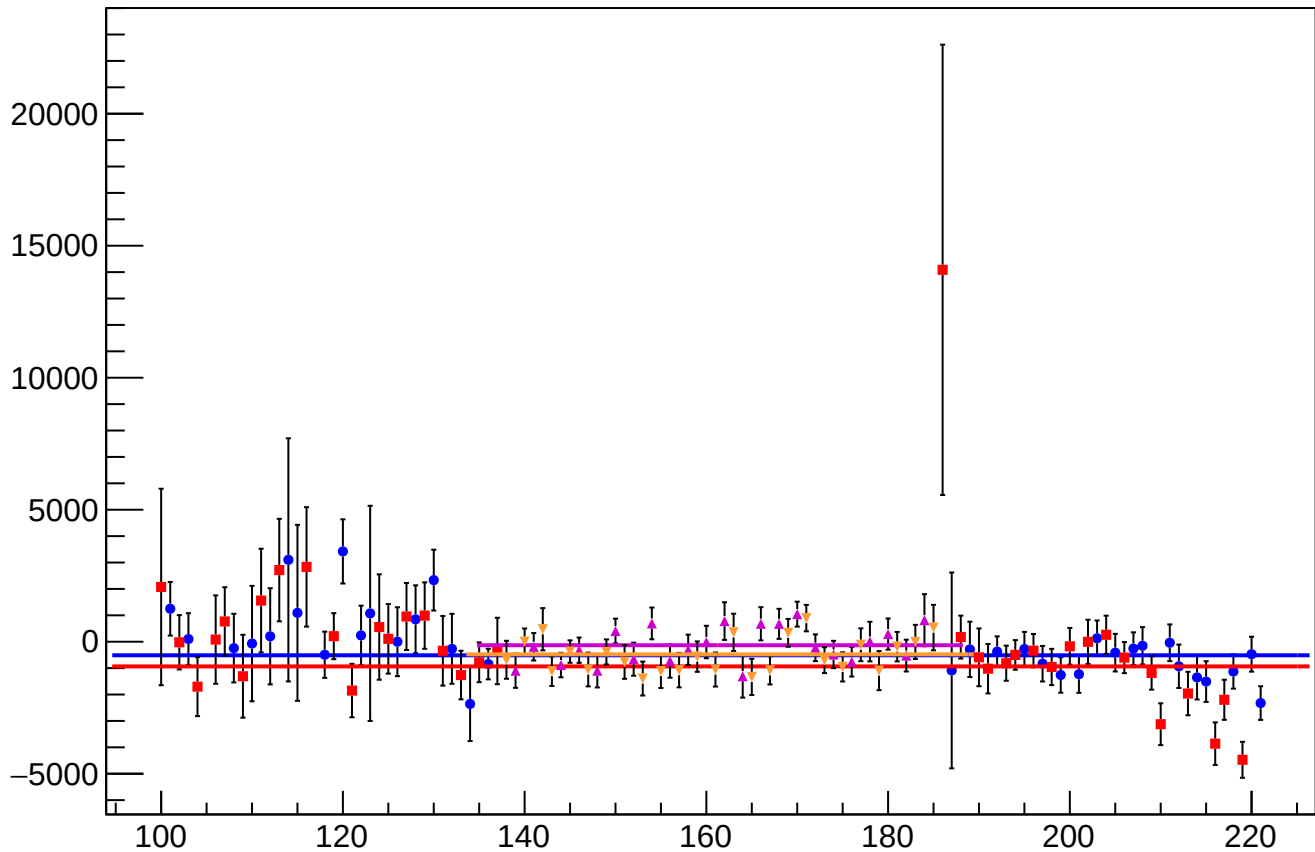
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 545.010 $\pm$ 0.064 χ^2 /NDF: 3138945.8/59

All: 545.642 $\pm$ 0.046 χ^2 /NDF: 6879853.6/119

- sign 546.307 $\pm$ 0.065 χ^2 /NDF: 3740706.0/59

asym_sam_26_48_dd_mean vs Slug



Right In: -513.821 ± 145.204 χ^2/NDF : 41.5/34

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -934.825 ± 148.600 χ^2/NDF : 85.3/36

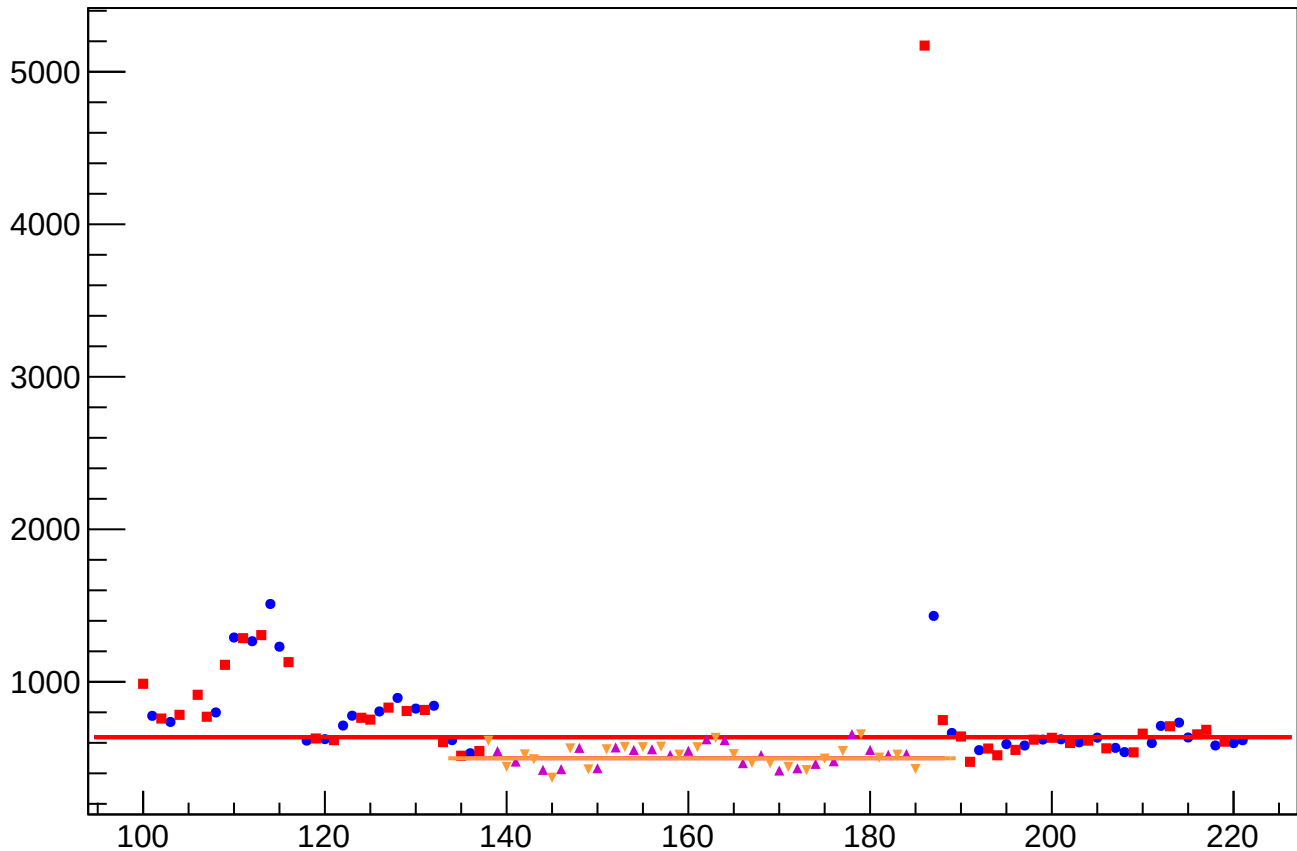
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -492.316 ± 91.415 χ^2/NDF : 69.4/59

All: -472.659 ± 65.456 χ^2/NDF : 201.8/119

- sign -451.978 ± 93.766 χ^2/NDF : 132.4/59

asym_sam_26_48_dd_rms vs Slug



Right In: 636.069+/-0.103 χ^2/NDF : 1238662.3/34

Left Out: 498.754+/-0.083 χ^2/NDF : 734302.8/24

Right Out: 638.152+/-0.105 χ^2/NDF : 2030178.3/36

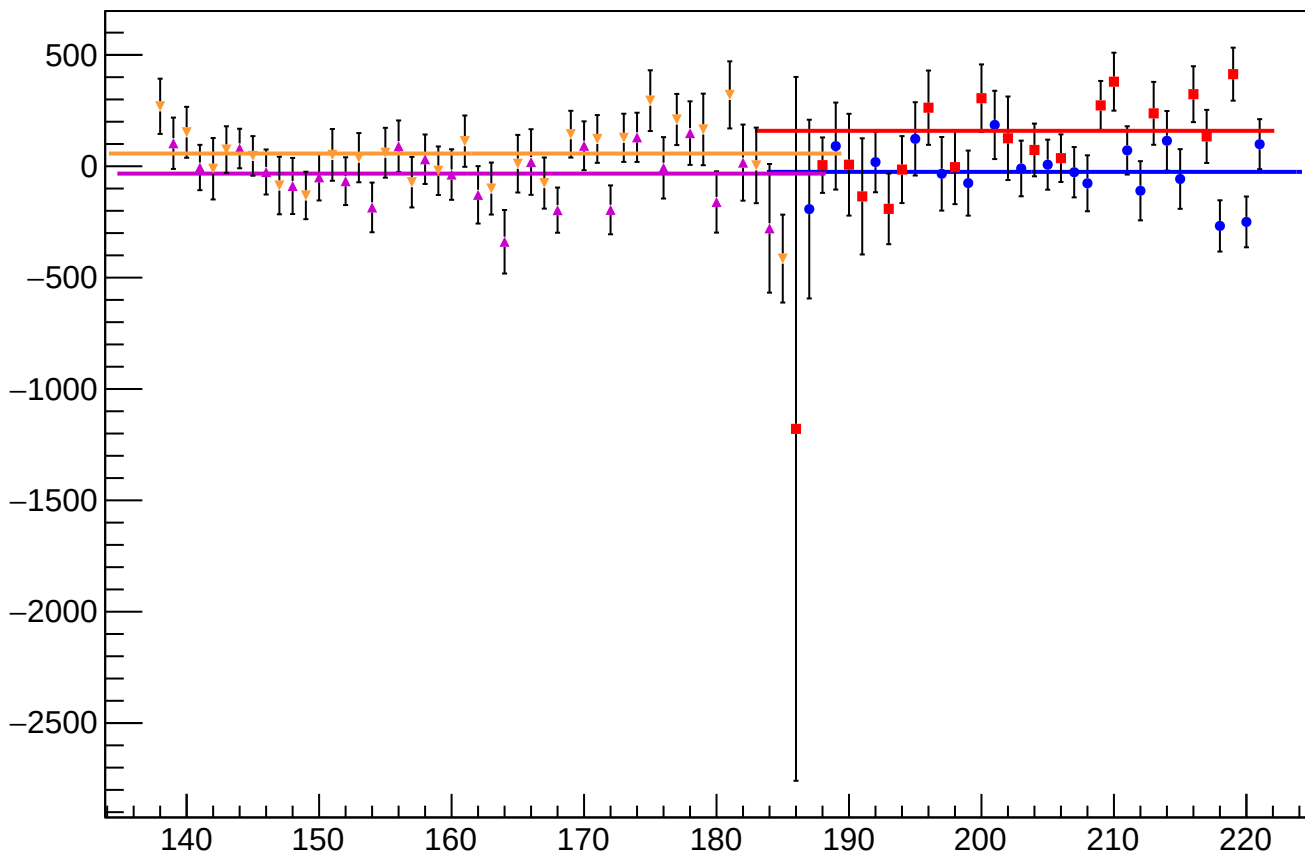
Left In: 499.393+/-0.085 χ^2/NDF : 576539.2/22

+ sign 553.179+/-0.065 χ^2/NDF : 3052642.2/59

All: 553.891+/-0.046 χ^2/NDF : 6709152.5/119

- sign 554.641+/-0.066 χ^2/NDF : 3656261.1/59

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.135 ± 31.313 χ^2/NDF : 15.6/17

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: 159.212 ± 33.662 χ^2/NDF : 25.0/17

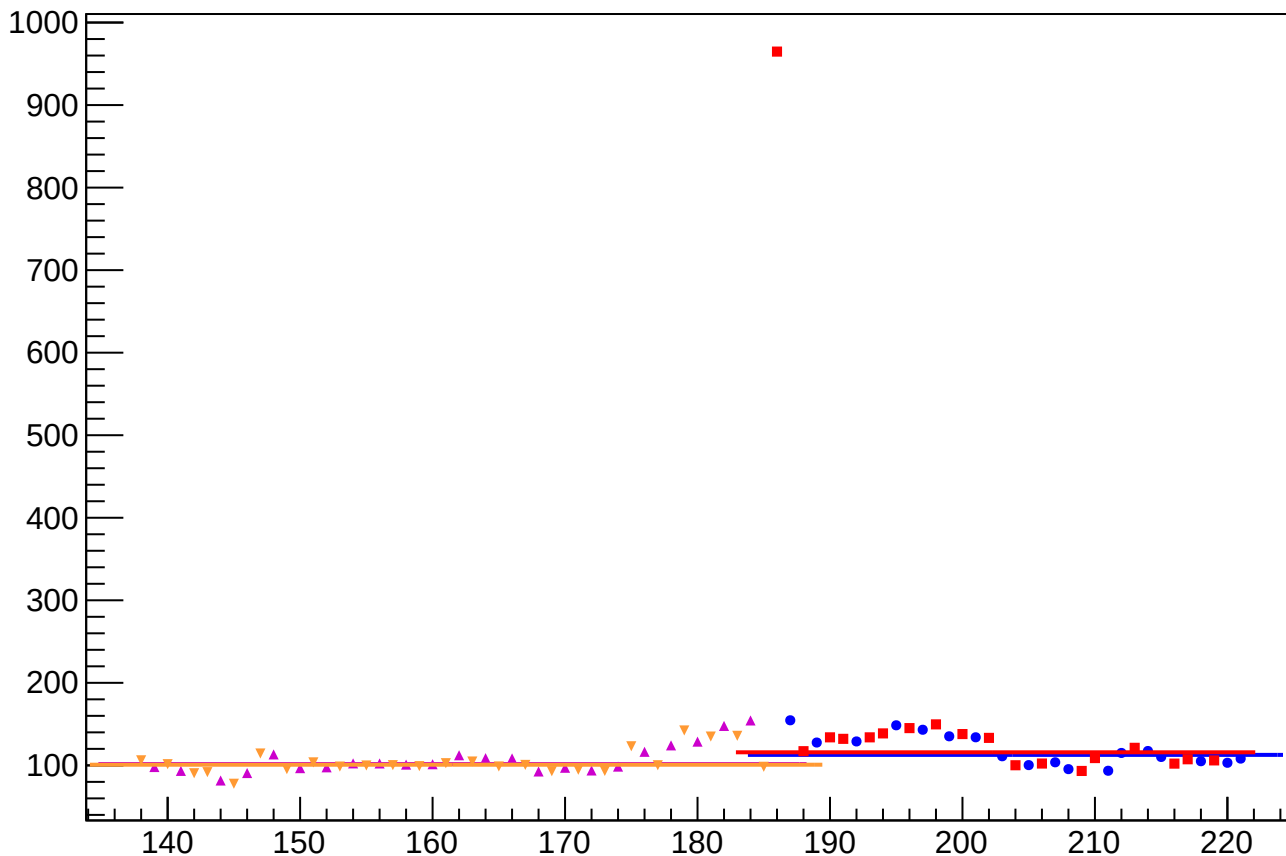
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 27.198 ± 18.904 χ^2/NDF : 49.2/42

All: 30.387 ± 13.691 χ^2/NDF : 119.1/83

- sign 33.904 ± 19.855 χ^2/NDF : 69.8/40

reg_asym_sam_1548_avg_rms vs Slug



Right In: 112.708 $\pm$ 0.022 χ^2 /NDF: 479641.0/17

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

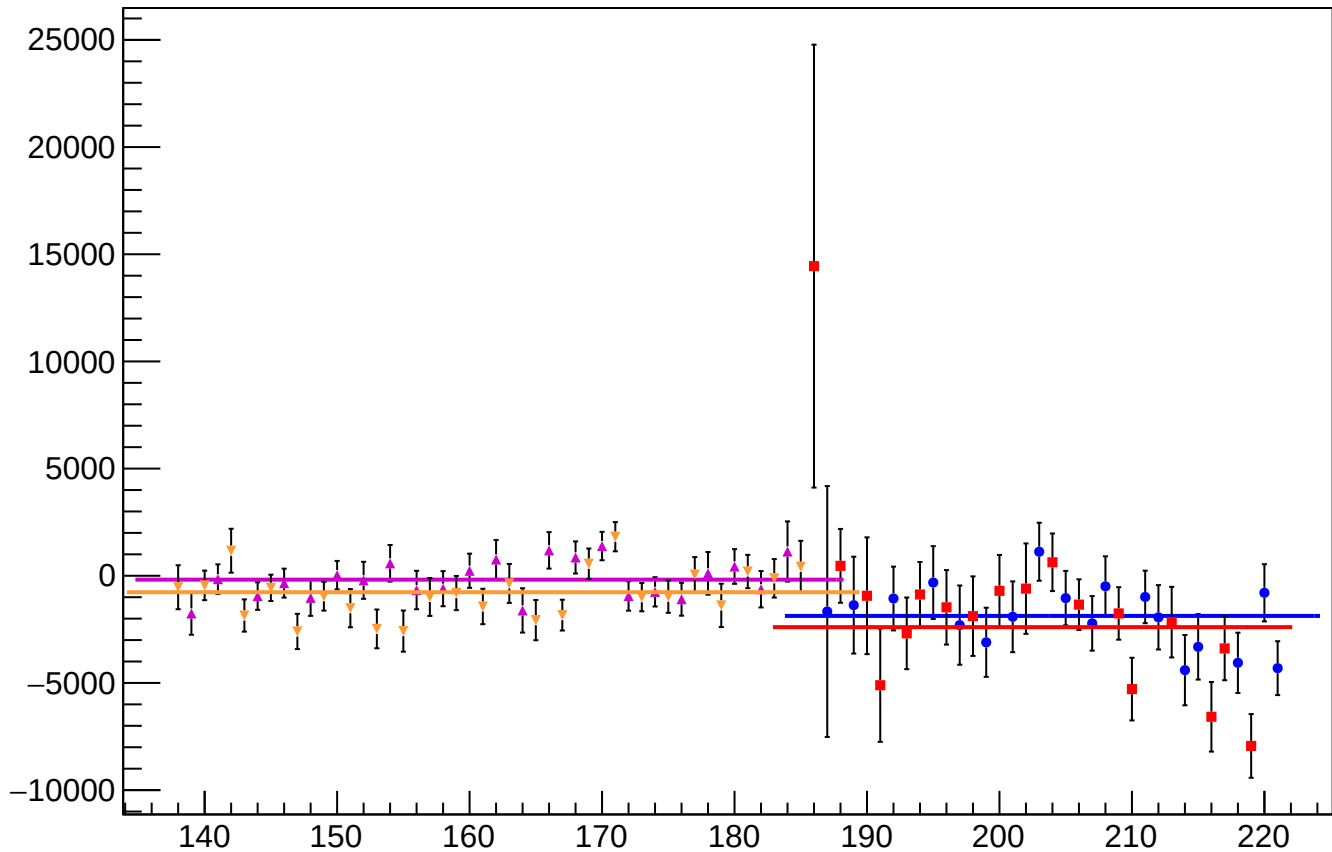
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 105.140 $\pm$ 0.013 χ^2 /NDF: 1263939.3/42

All: 105.819 $\pm$ 0.010 χ^2 /NDF: 3167763.5/83

- sign 106.567 $\pm$ 0.014 χ^2 /NDF: 1898411.6/40

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1873.043+/-354.118 χ^2/NDF : 18.8/17

Left Out: -766.358+/-161.066 χ^2/NDF : 46.5/24

Right Out: -2396.501+/-386.877 χ^2/NDF : 40.9/17

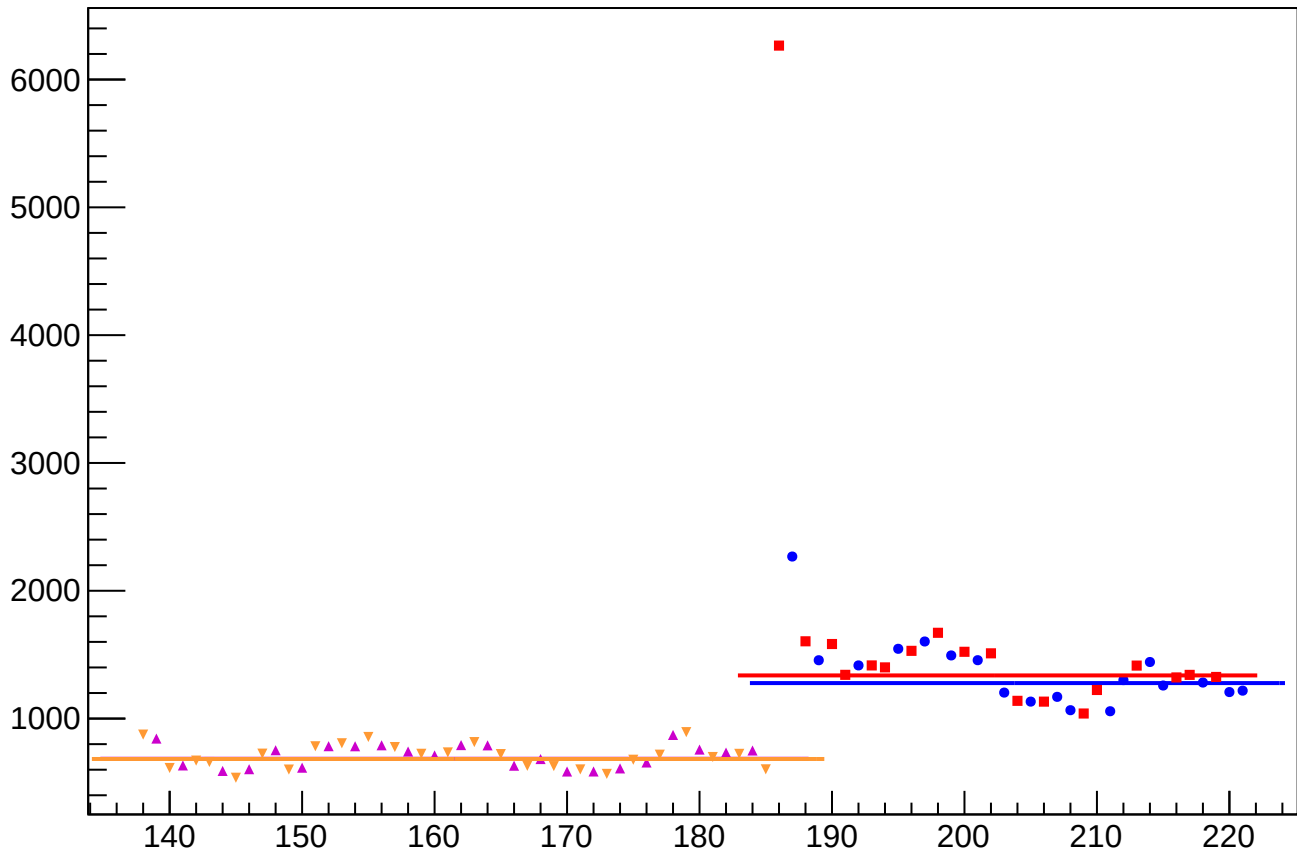
Left In: -181.584+/-165.671 χ^2/NDF : 25.0/22

+ sign -956.061+/-146.613 χ^2/NDF : 73.5/42

All: -748.629+/-105.623 χ^2/NDF : 171.3/83

- sign -524.809+/-152.295 χ^2/NDF : 93.6/40

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1277.738 $\pm$ 0.250 χ^2 /NDF: 446516.2/17

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

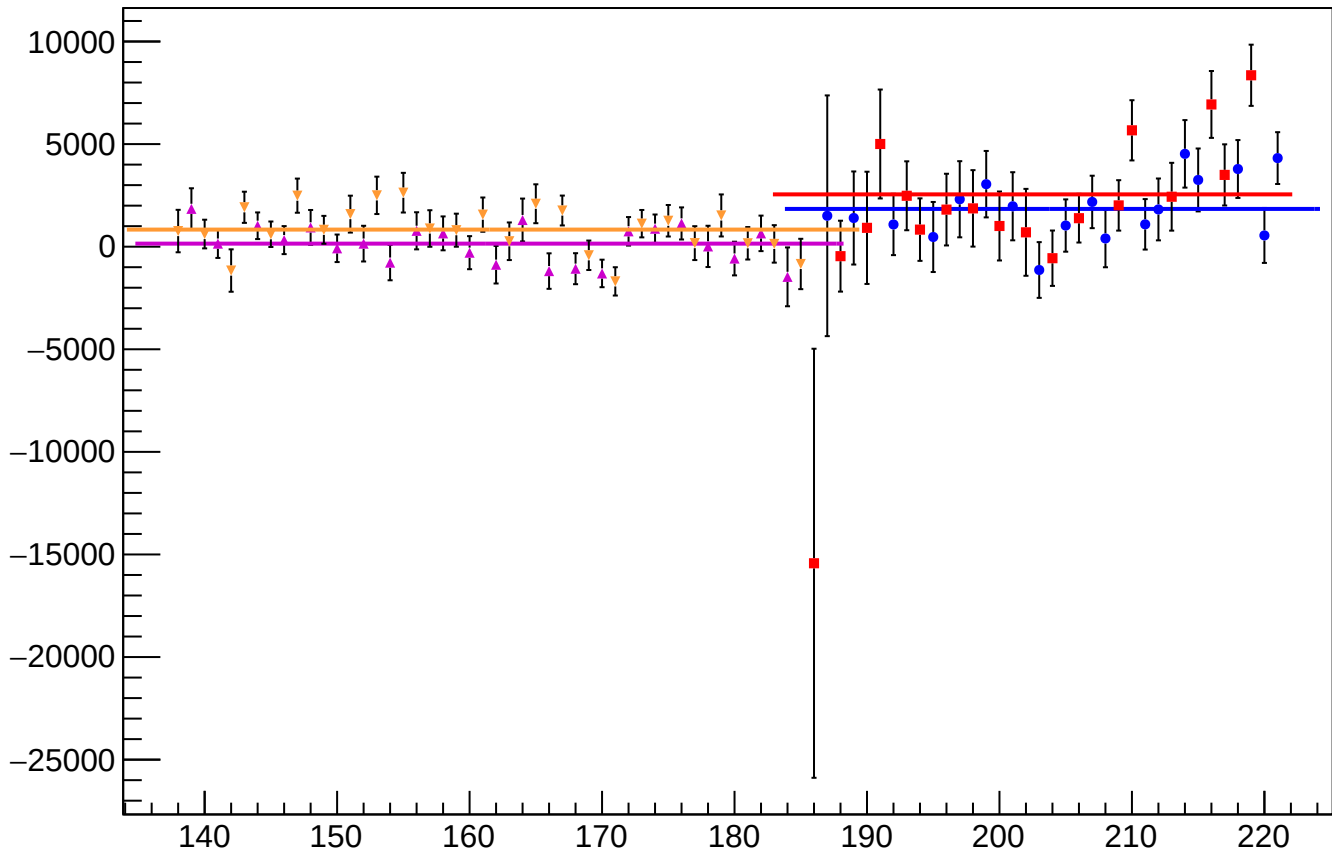
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 785.680 $\pm$ 0.104 χ^2 /NDF: 5774147.9/42

All: 786.145 $\pm$ 0.075 χ^2 /NDF: 11999085.7/83

- sign 786.646 $\pm$ 0.108 χ^2 /NDF: 6224896.0/40

asym_sam_1548_avg_mean vs Slug



Right In: 1840.598 ± 355.565 χ^2/NDF : 18.5/17

Left Out: 833.395 ± 162.965 χ^2/NDF : 43.2/24

Right Out: 2549.542 ± 388.432 χ^2/NDF : 44.2/17

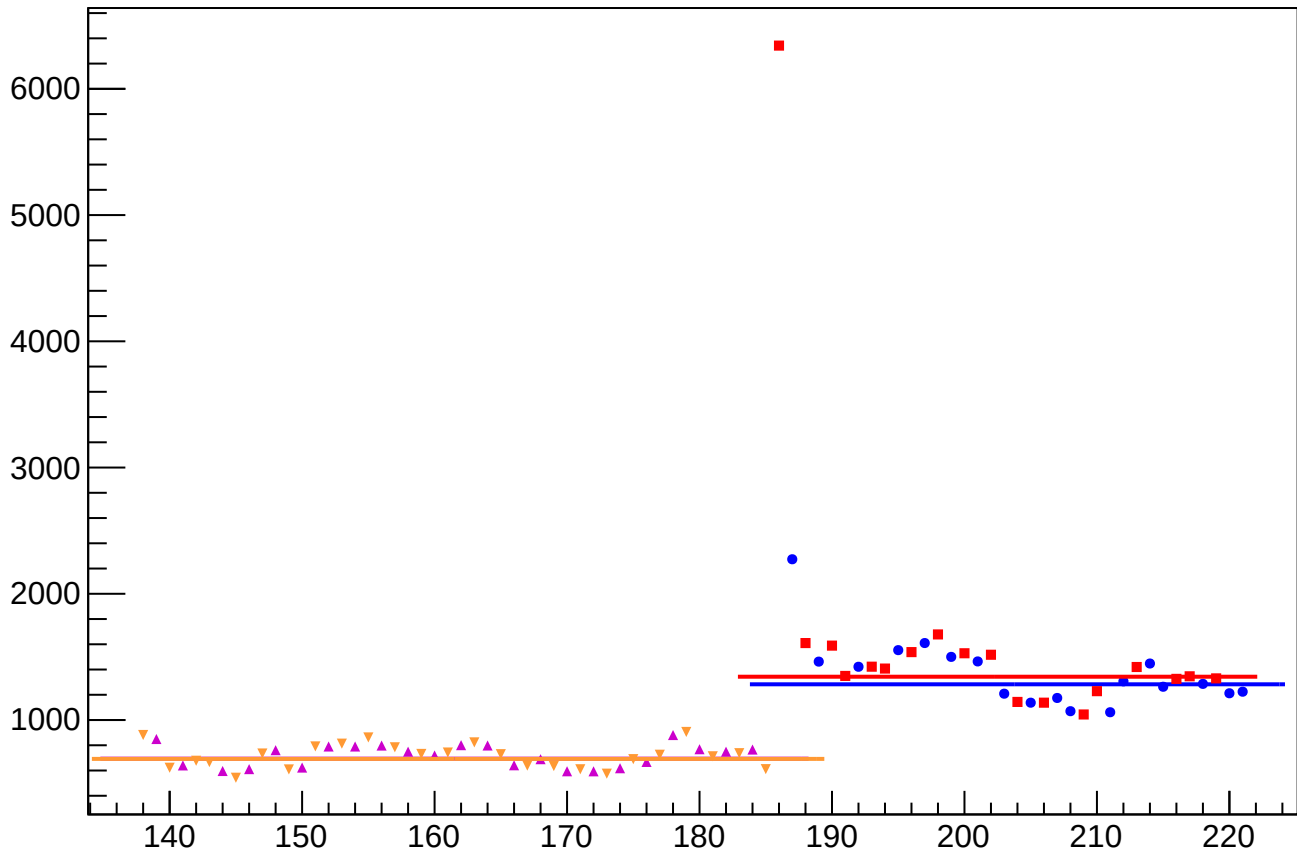
Left In: 148.814 ± 167.644 χ^2/NDF : 26.0/22

+ sign 1008.243 ± 148.146 χ^2/NDF : 68.3/42

All: 776.232 ± 106.738 χ^2/NDF : 175.8/83

- sign 525.783 ± 153.920 χ^2/NDF : 102.4/40

asym_sam_1548_avg_rms vs Slug



Right In: 1282.968 ± 0.251 χ^2/NDF : 446940.2/17

Left Out: 692.097 ± 0.115 χ^2/NDF : 657259.6/24

Right Out: 1343.055 ± 0.275 χ^2/NDF : 896057.7/17

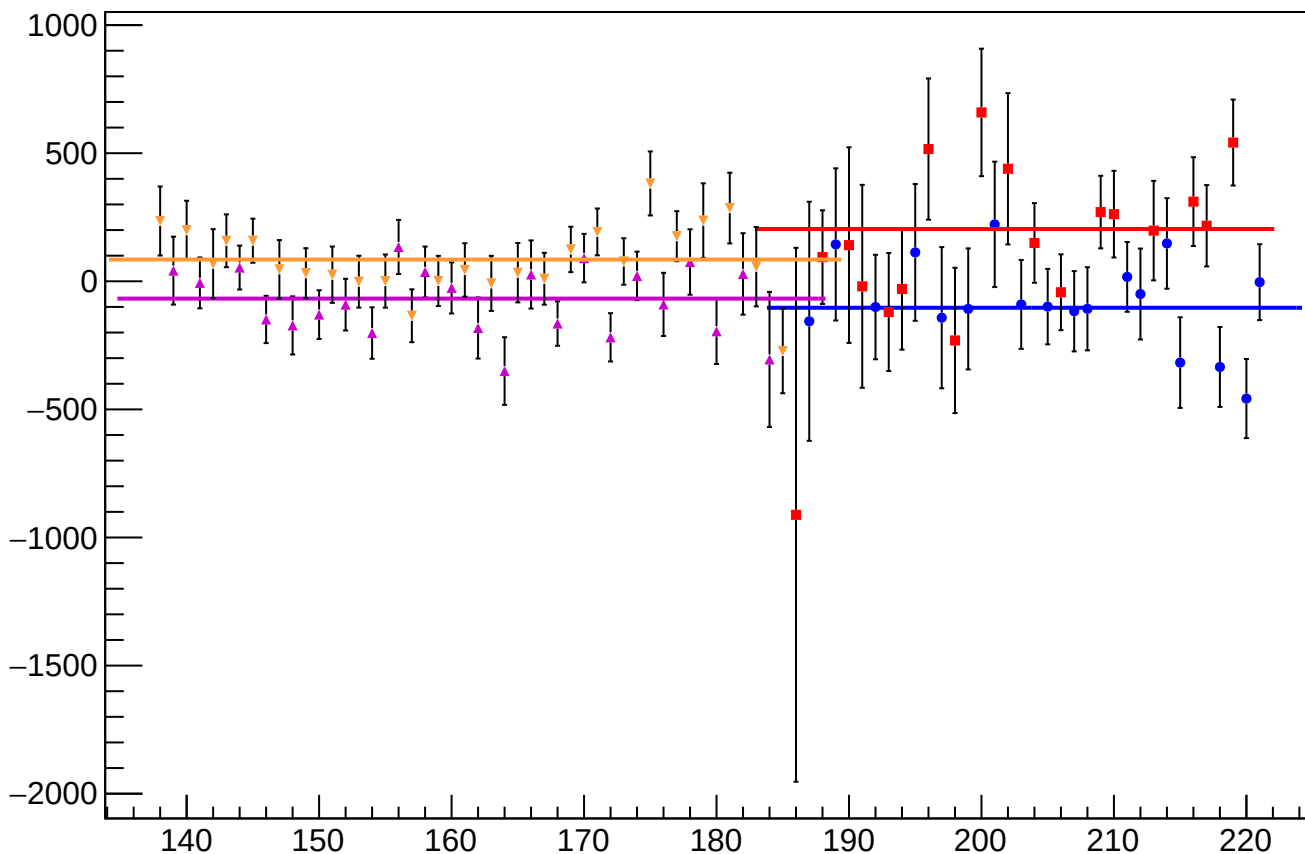
Left In: 693.867 ± 0.119 χ^2/NDF : 522053.5/22

+ sign 794.671 ± 0.105 χ^2/NDF : 5668465.9/42

All: 795.216 ± 0.075 χ^2/NDF : 11795947.0/83

- sign 795.804 ± 0.109 χ^2/NDF : 6127424.8/40

reg_asym_sam_3748_avg_mean vs Slug



Right In: -103.256 ± 43.108 χ^2/NDF : 15.4/17

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 204.063 ± 47.632 χ^2/NDF : 20.1/17

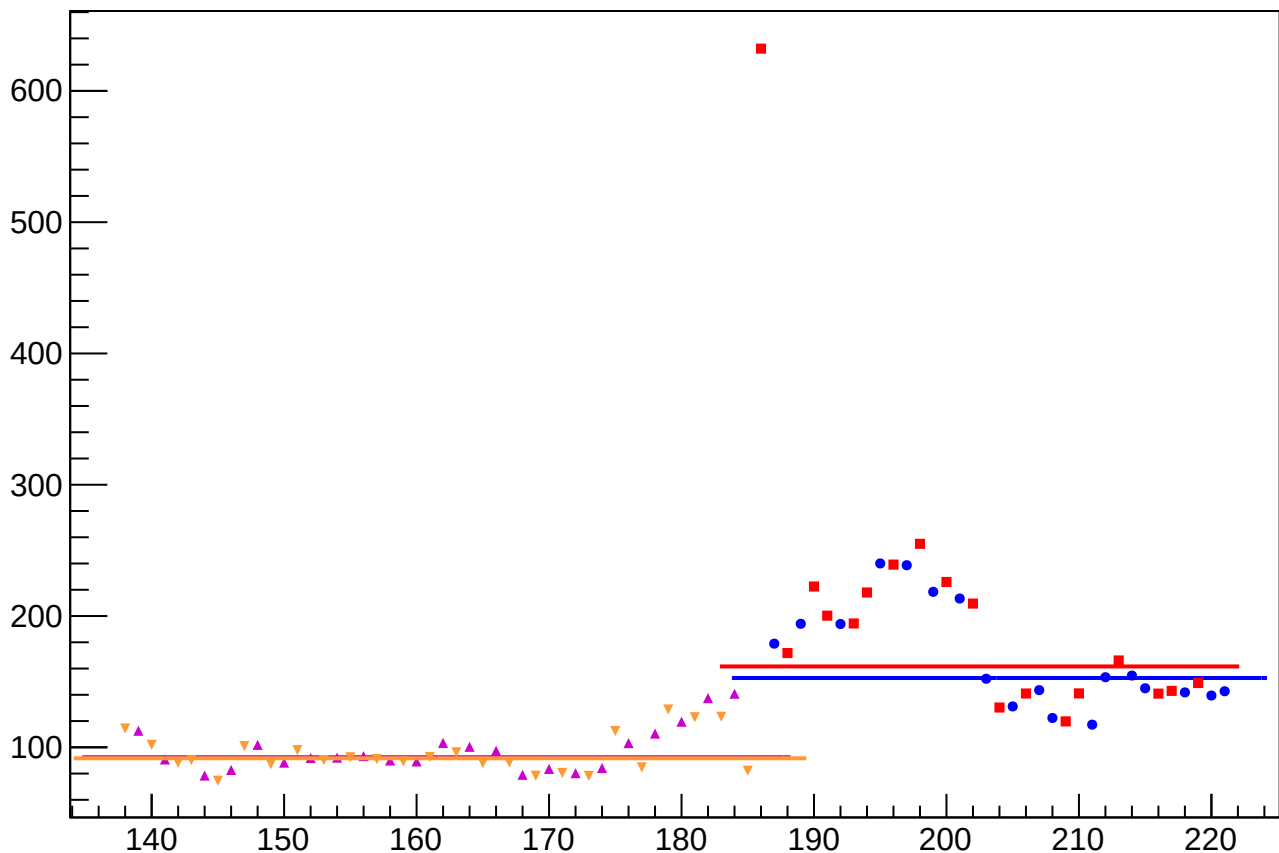
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 46.988 ± 19.342 χ^2/NDF : 59.1/42

All: 15.987 ± 14.006 χ^2/NDF : 140.1/83

- sign -18.184 ± 20.307 χ^2/NDF : 75.6/40

reg_asym_sam_3748_avg_rms vs Slug



Right In: 152.814 $\pm$ 0.030 χ^2 /NDF: 1106337.7/17

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 161.607 $\pm$ 0.034 χ^2 /NDF: 1591226.8/17

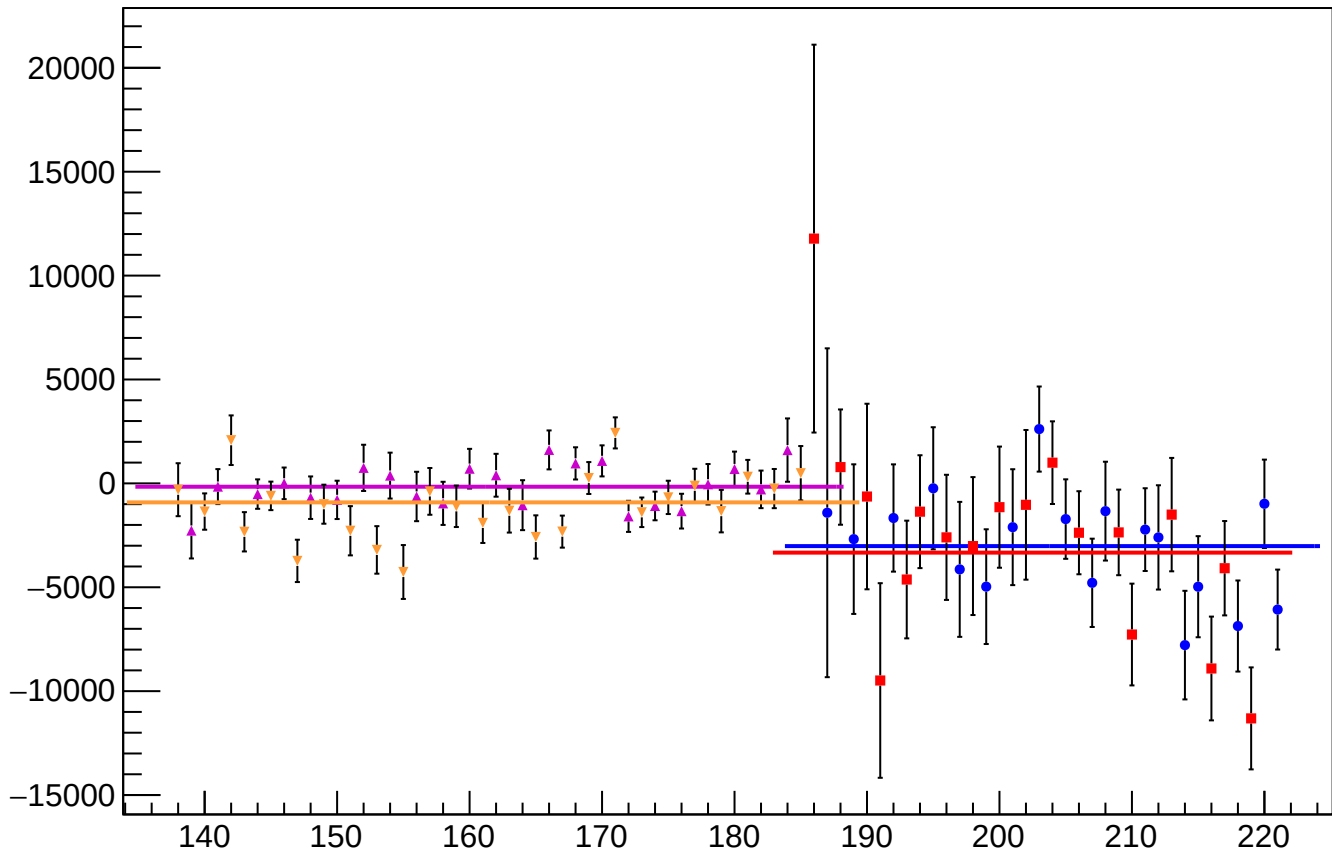
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 103.950 $\pm$ 0.014 χ^2 /NDF: 5017070.1/42

All: 104.465 $\pm$ 0.010 χ^2 /NDF: 10715160.1/83

- sign 105.033 $\pm$ 0.014 χ^2 /NDF: 5695107.5/40

asym_sam_3748_avg_correction_mean vs Slug



Right In: -3019.402 $\pm$ 572.645 χ^2 /NDF: 21.8/17

Left Out: -914.719 $\pm$ 185.341 χ^2 /NDF: 64.2/24

Right Out: -3332.538 $\pm$ 638.465 χ^2 /NDF: 32.6/17

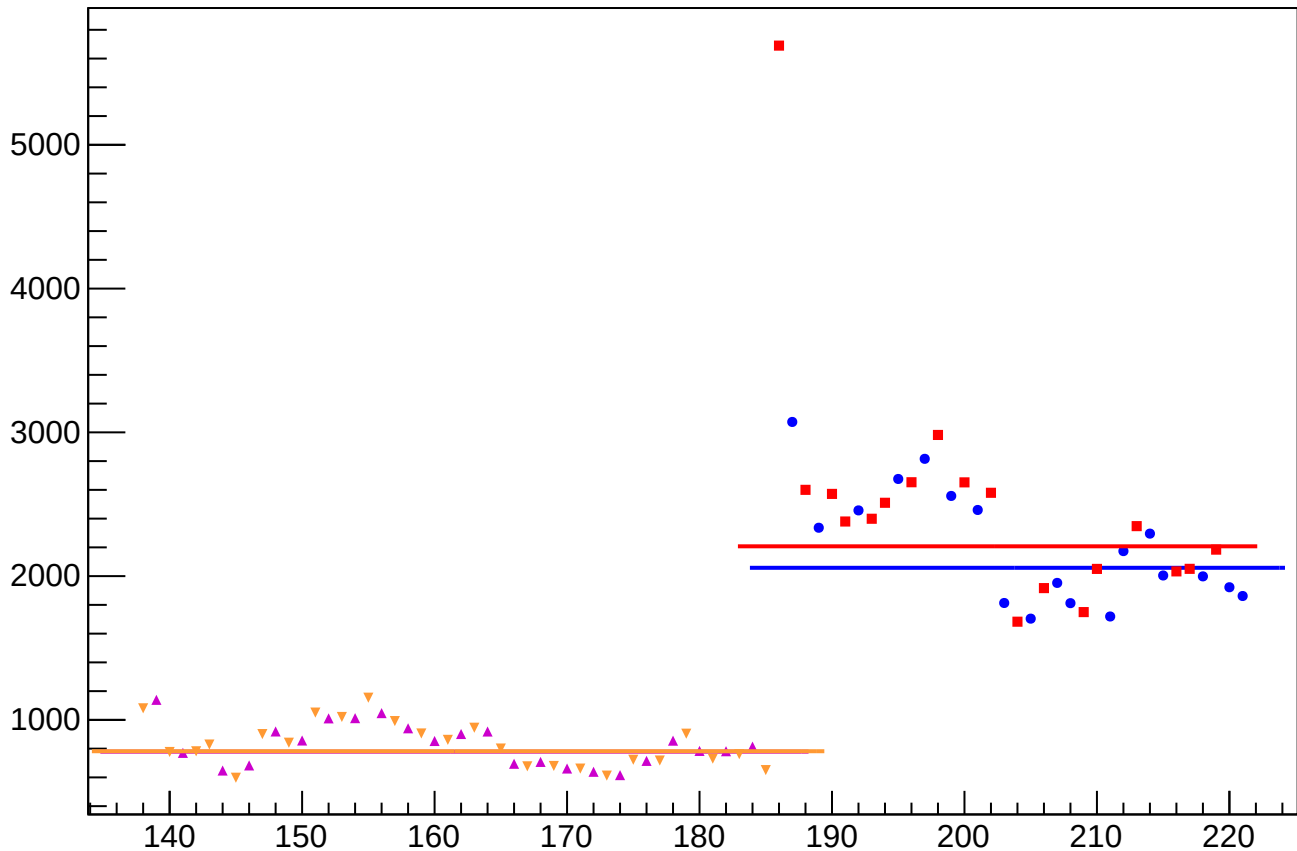
Left In: -161.076 $\pm$ 189.491 χ^2 /NDF: 25.1/22

+ sign -1114.288 $\pm$ 176.335 χ^2 /NDF: 98.2/42

All: -776.409 $\pm$ 126.528 χ^2 /NDF: 186.1/83

- sign -417.819 $\pm$ 181.659 χ^2 /NDF: 80.3/40

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2057.892 $\pm$ 0.405 χ^2/NDF : 630431.3/17

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

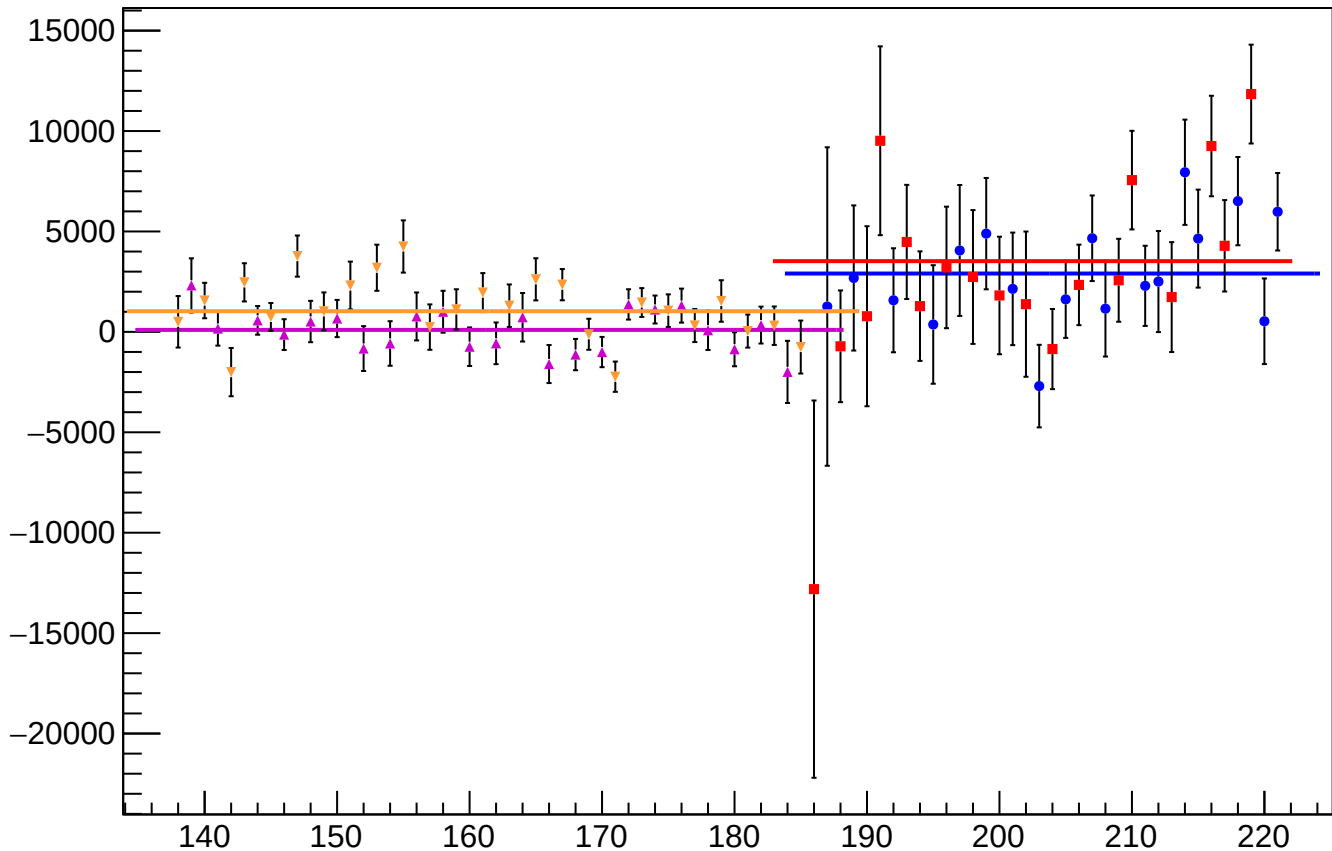
Left In: 778.995 $\pm$ 0.134 χ^2/NDF : 980243.4/22

+ sign 903.020 $\pm$ 0.125 χ^2/NDF : 10747969.5/42

All: 898.947 $\pm$ 0.089 χ^2/NDF : 21831858.9/83

- sign 894.624 $\pm$ 0.128 χ^2/NDF : 11081690.1/40

asym_sam_3748_avg_mean vs Slug



Right In: 2905.186 ± 574.407 $\chi^2/\text{NDF}: 21.7/17$

Left Out: 1028.864 ± 186.810 $\chi^2/\text{NDF}: 60.2/24$

Right Out: 3521.611 ± 640.416 $\chi^2/\text{NDF}: 34.2/17$

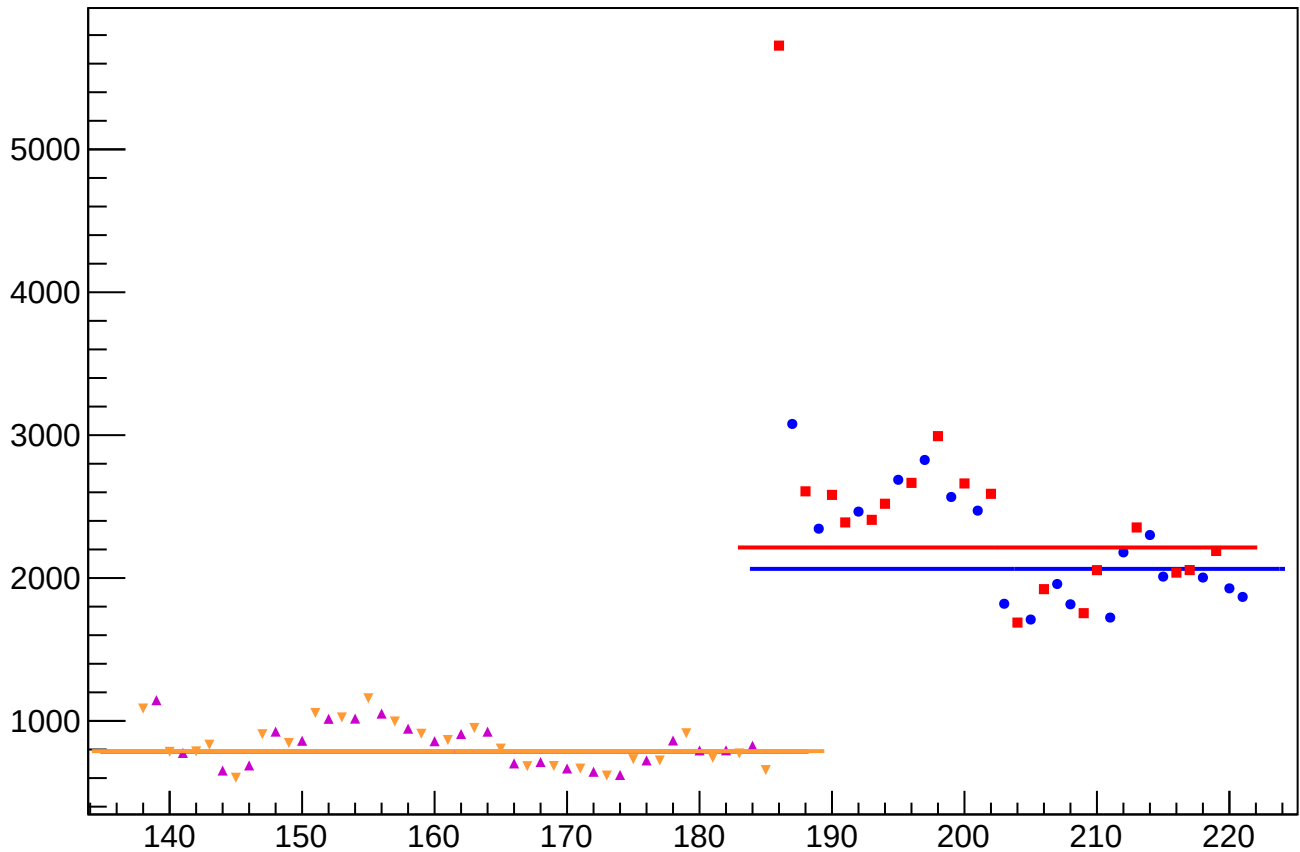
Left In: 98.691 ± 191.027 $\chi^2/\text{NDF}: 25.4/22$

+ sign 1208.339 ± 177.651 $\chi^2/\text{NDF}: 91.5/42$

All: 805.785 ± 127.487 $\chi^2/\text{NDF}: 187.9/83$

- sign 378.360 ± 183.057 $\chi^2/\text{NDF}: 85.8/40$

asym_sam_3748_avg_rms vs Slug



Right In: 2064.133+/-0.406 χ^2/NDF : 632871.7/17

Left Out: 788.442+/-0.132 χ^2/NDF : 1113741.6/24

Right Out: 2213.892+/-0.453 χ^2/NDF : 906331.4/17

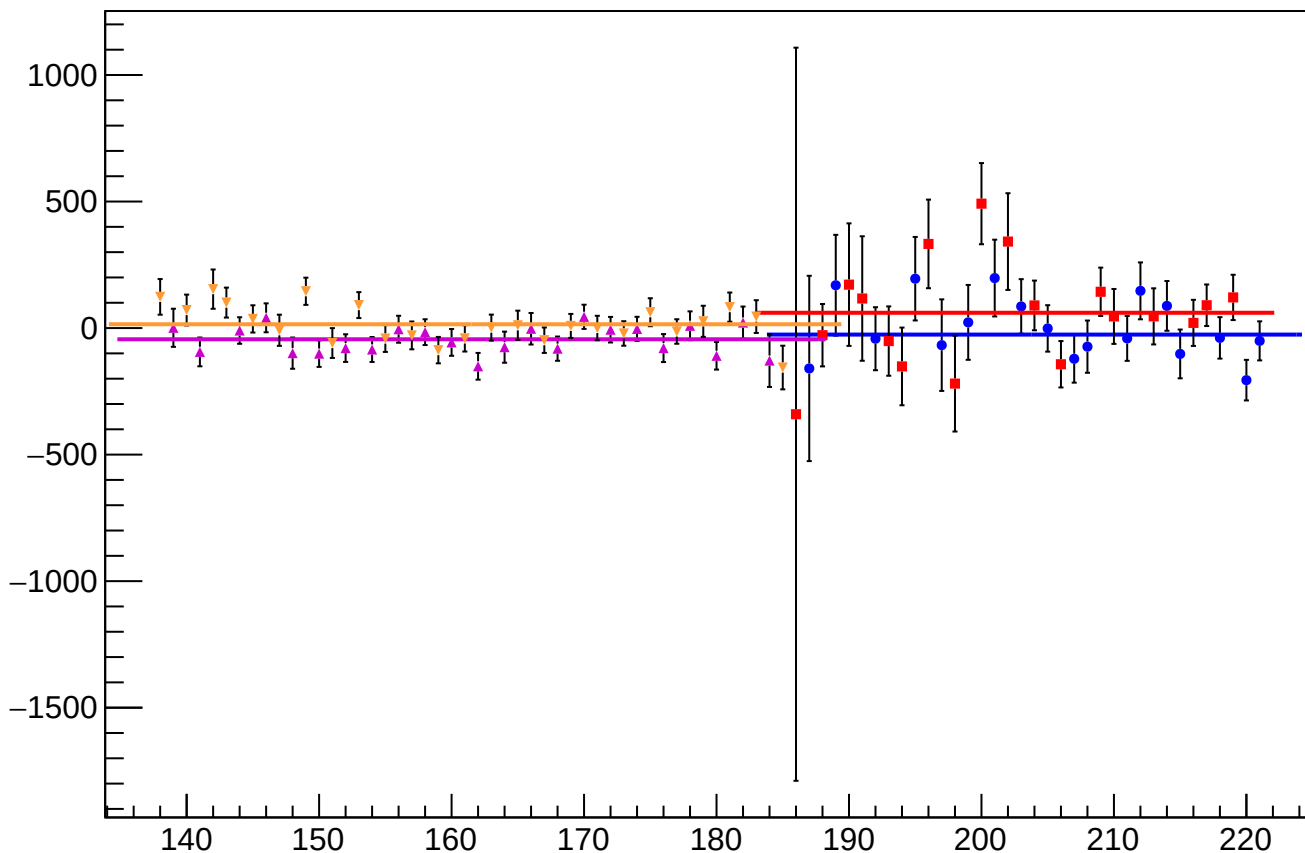
Left In: 785.490+/-0.135 χ^2/NDF : 965338.9/22

+ sign 910.465+/-0.126 χ^2/NDF : 10667684.4/42

All: 906.455+/-0.090 χ^2/NDF : 21678144.6/83

- sign 902.198+/-0.129 χ^2/NDF : 11008359.3/40

reg_asym_sam_1526_avg_mean vs Slug



Right In: -25.727 ± 25.359 $\chi^2/\text{NDF}: 17.1/17$

Left Out: 15.099 ± 11.154 $\chi^2/\text{NDF}: 34.2/24$

Right Out: 60.531 ± 28.690 $\chi^2/\text{NDF}: 24.0/17$

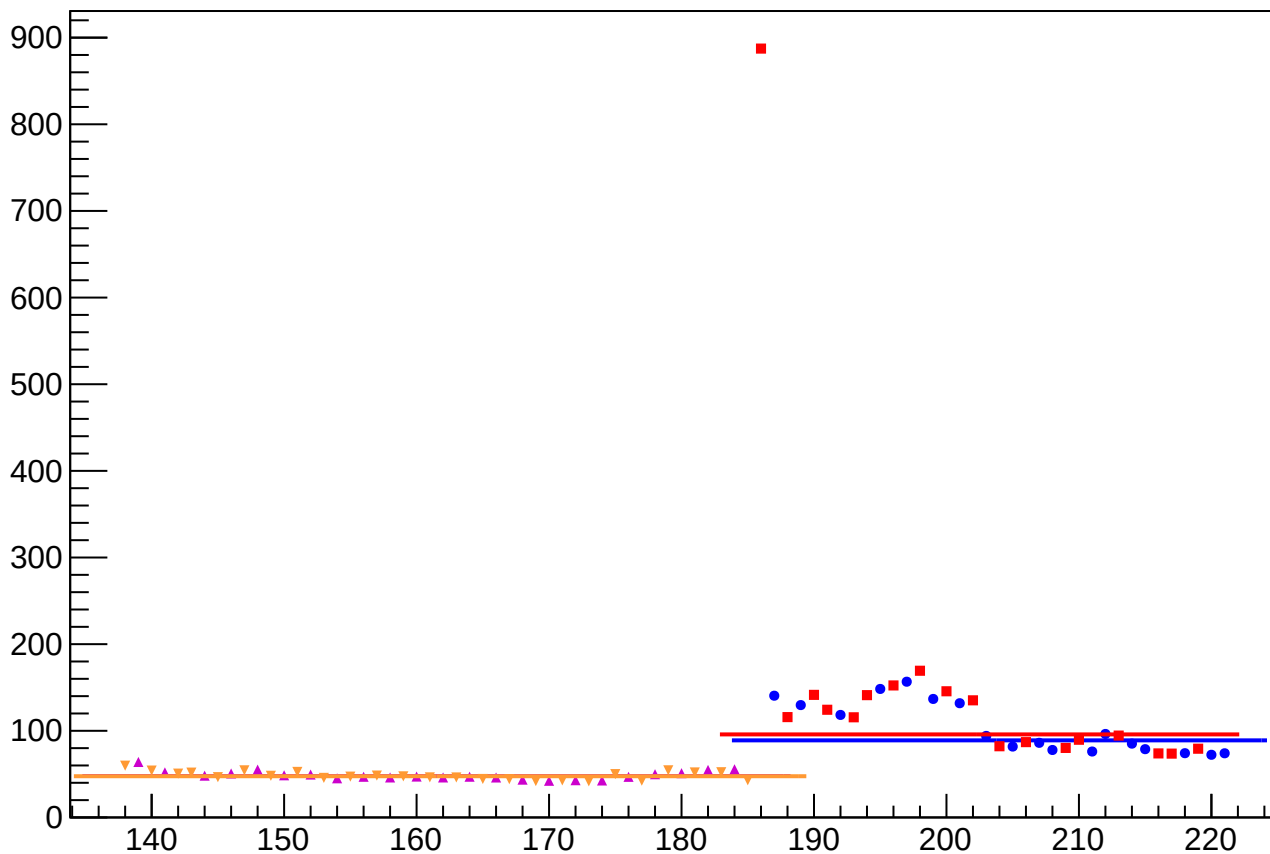
Left In: -44.297 ± 11.530 $\chi^2/\text{NDF}: 22.3/22$

+ sign 8.481 ± 10.210 $\chi^2/\text{NDF}: 53.5/42$

All: -9.729 ± 7.386 $\chi^2/\text{NDF}: 118.0/83$

- sign -29.722 ± 10.698 $\chi^2/\text{NDF}: 57.8/40$

reg_asym_sam_1526_avg_rms vs Slug



Right In: 88.974 $\pm$ 0.018 χ^2 /NDF: 1485752.9/17

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 95.847 $\pm$ 0.020 χ^2 /NDF: 2198049.1/17

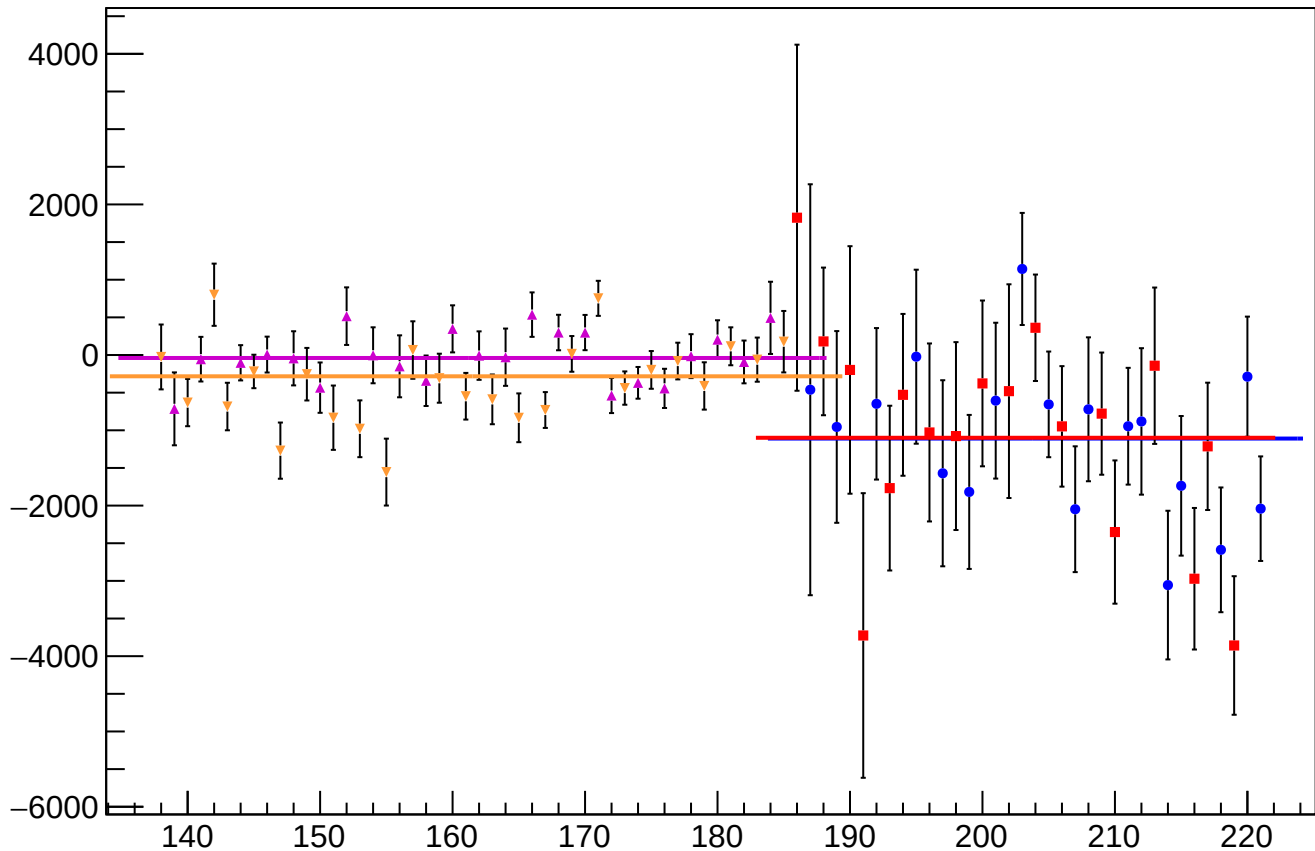
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 54.296 $\pm$ 0.007 χ^2 /NDF: 6262468.2/42

All: 54.403 $\pm$ 0.005 χ^2 /NDF: 13562807.6/83

- sign 54.520 $\pm$ 0.008 χ^2 /NDF: 7299877.9/40

asym_sam_1526_avg_correction_mean vs Slug



Right In: -1109.582 $\pm$ 216.143 χ^2 /NDF: 23.5/17

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

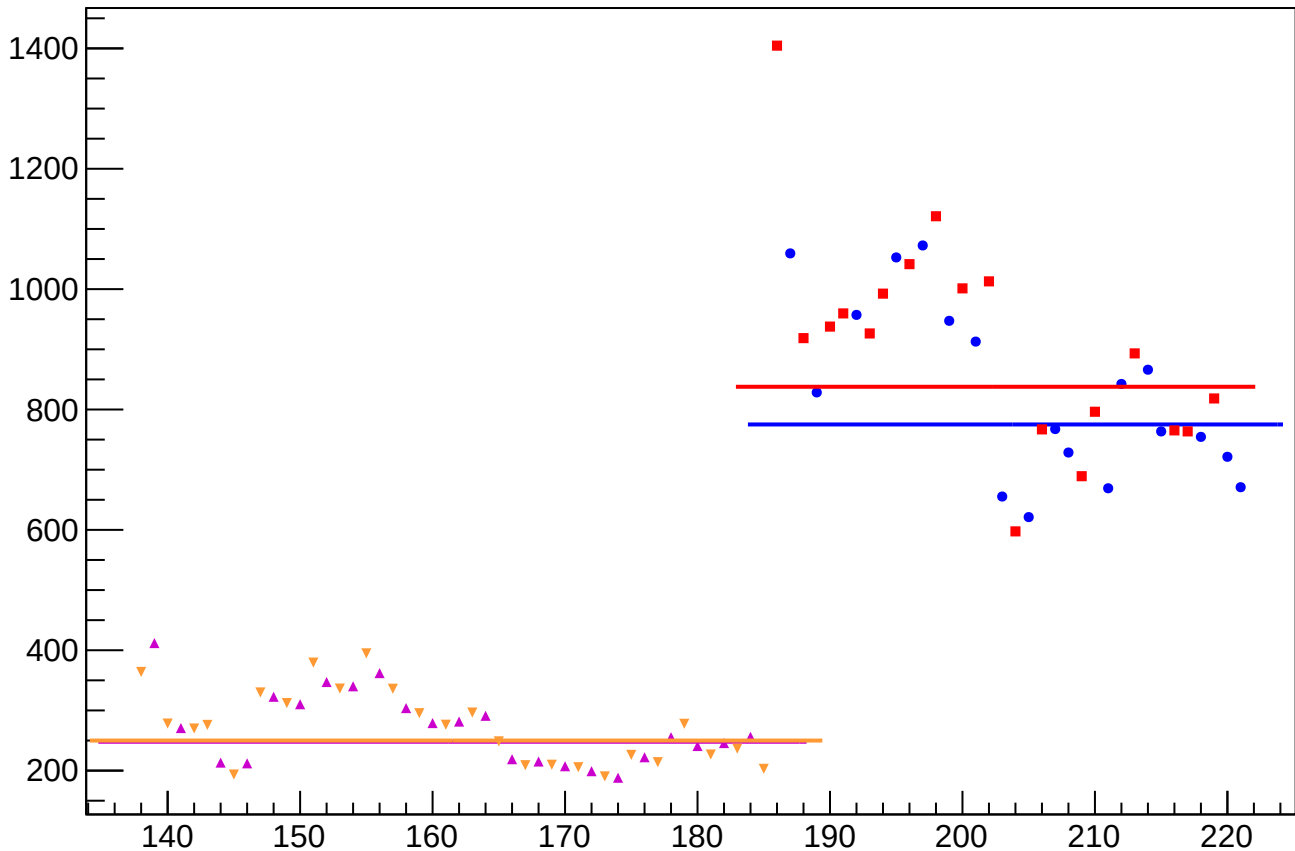
Left In: -39.432 $\pm$ 60.759 χ^2 /NDF: 27.5/22

+ sign -341.384 $\pm$ 57.536 χ^2 /NDF: 103.6/42

All: -224.704 $\pm$ 41.168 χ^2 /NDF: 184.5/83

- sign -102.308 $\pm$ 58.929 χ^2 /NDF: 72.4/40

asym_sam_1526_avg_correction_rms vs Slug



Right In: 775.154 ± 0.153 χ^2/NDF : 686508.6/17

Left Out: 249.956 ± 0.042 χ^2/NDF : 1614205.9/24

Right Out: 837.781 ± 0.171 χ^2/NDF : 794013.0/17

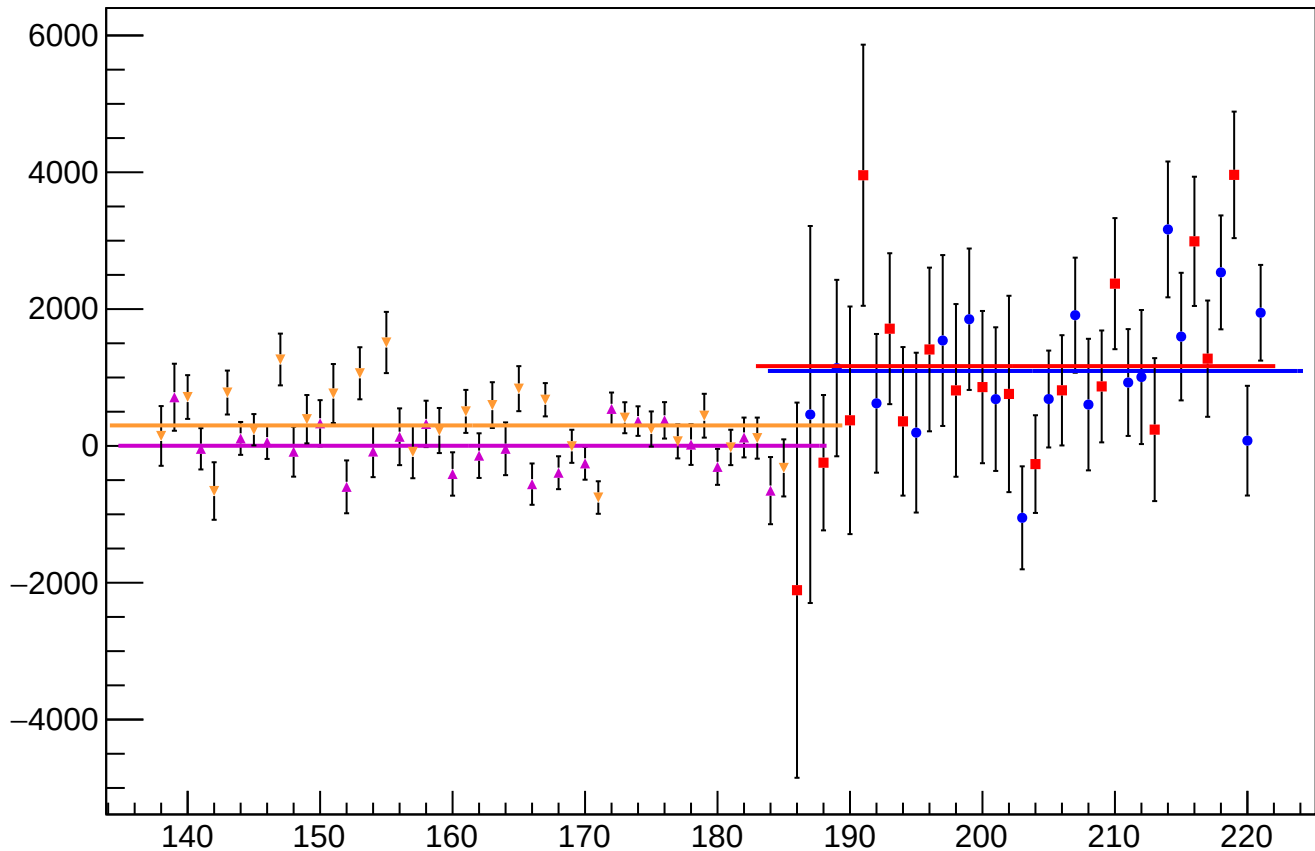
Left In: 247.917 ± 0.043 χ^2/NDF : 1410847.5/22

+ sign 287.172 ± 0.041 χ^2/NDF : 13272466.8/42

All: 285.093 ± 0.029 χ^2/NDF : 26666349.0/83

- sign 282.913 ± 0.042 χ^2/NDF : 13388534.3/40

asym_sam_1526_avg_mean vs Slug



Right In: 1095.453 ± 217.887 χ^2/NDF : 22.1/17

Left Out: 299.562 ± 60.860 χ^2/NDF : 62.5/24

Right Out: 1166.350 ± 244.294 χ^2/NDF : 26.5/17

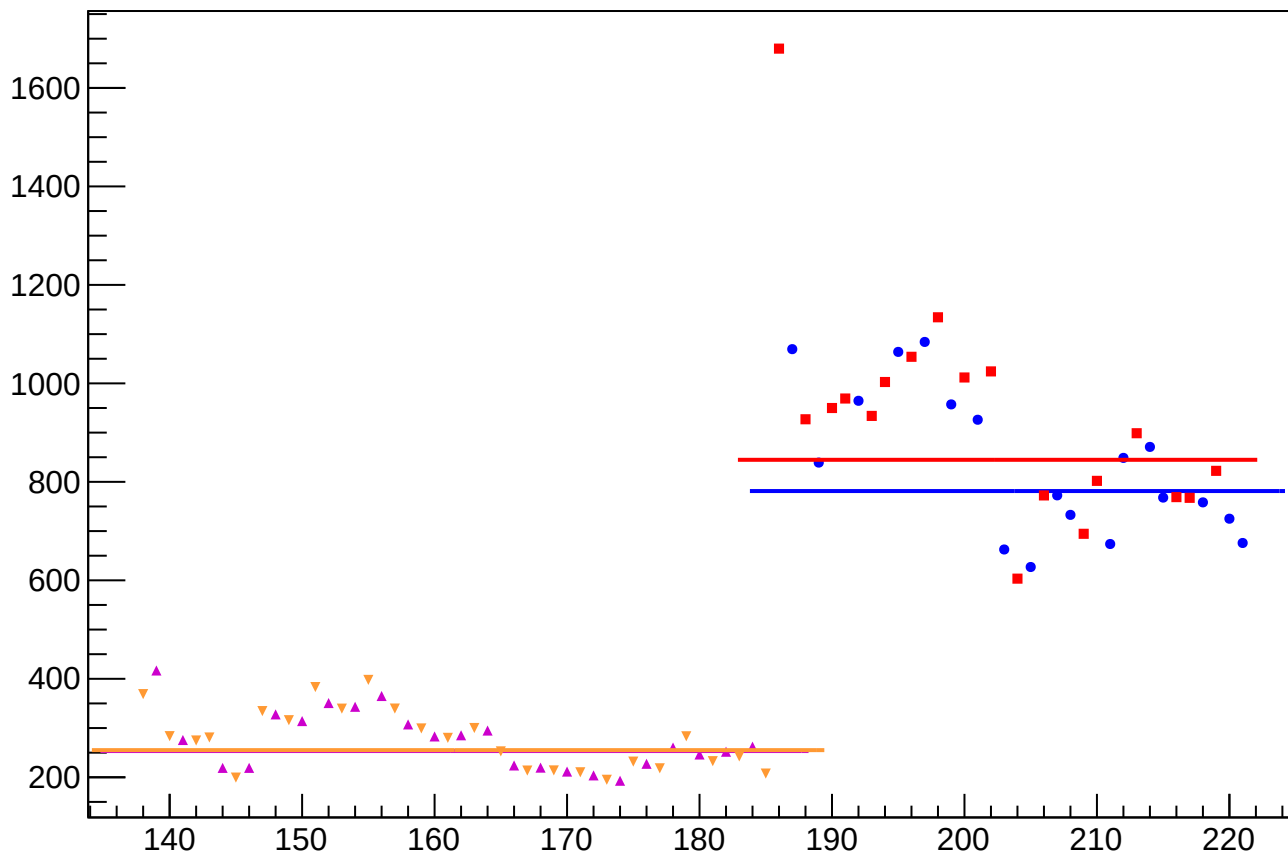
Left In: 2.185 ± 62.005 χ^2/NDF : 29.2/22

+ sign 357.162 ± 58.616 χ^2/NDF : 97.0/42

All: 218.456 ± 41.962 χ^2/NDF : 185.5/83

- sign 72.643 ± 60.099 χ^2/NDF : 77.0/40

asym_sam_1526_avg_rms vs Slug



Right In: 781.322 ± 0.154 χ^2/NDF : 692715.5/17

Left Out: 255.135 ± 0.043 χ^2/NDF : 1542039.5/24

Right Out: 844.769 ± 0.173 χ^2/NDF : 865991.5/17

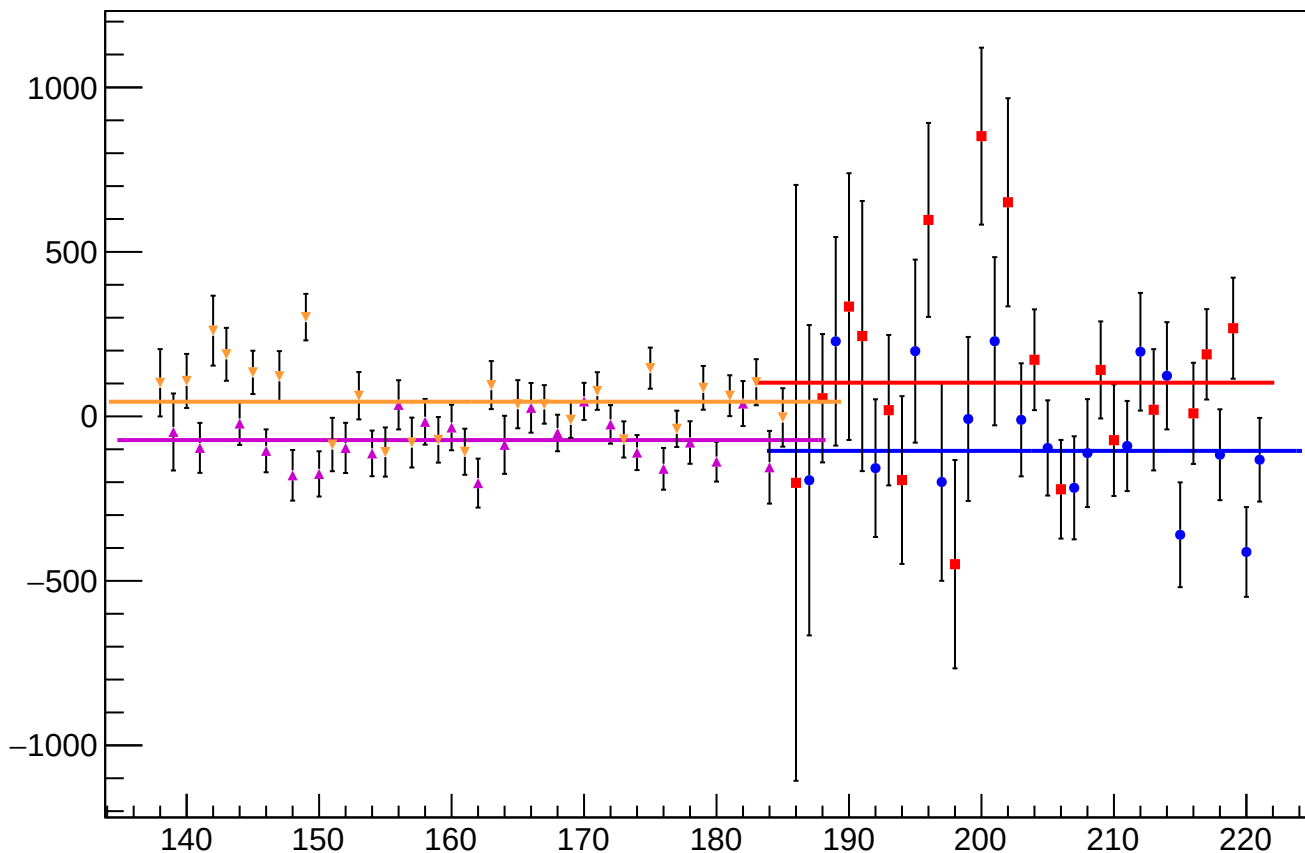
Left In: 253.287 ± 0.044 χ^2/NDF : 1341662.3/22

+ sign 293.216 ± 0.041 χ^2/NDF : 13054579.2/42

All: 291.202 ± 0.030 χ^2/NDF : 26281849.9/83

- sign 289.085 ± 0.042 χ^2/NDF : 13222426.9/40

reg_asym_sam_3726_avg_mean vs Slug



Right In: -104.839 ± 41.462 $\chi^2/\text{NDF}: 17.7/17$

Left Out: 44.602 ± 13.824 $\chi^2/\text{NDF}: 53.9/24$

Right Out: 102.459 ± 46.927 $\chi^2/\text{NDF}: 26.8/17$

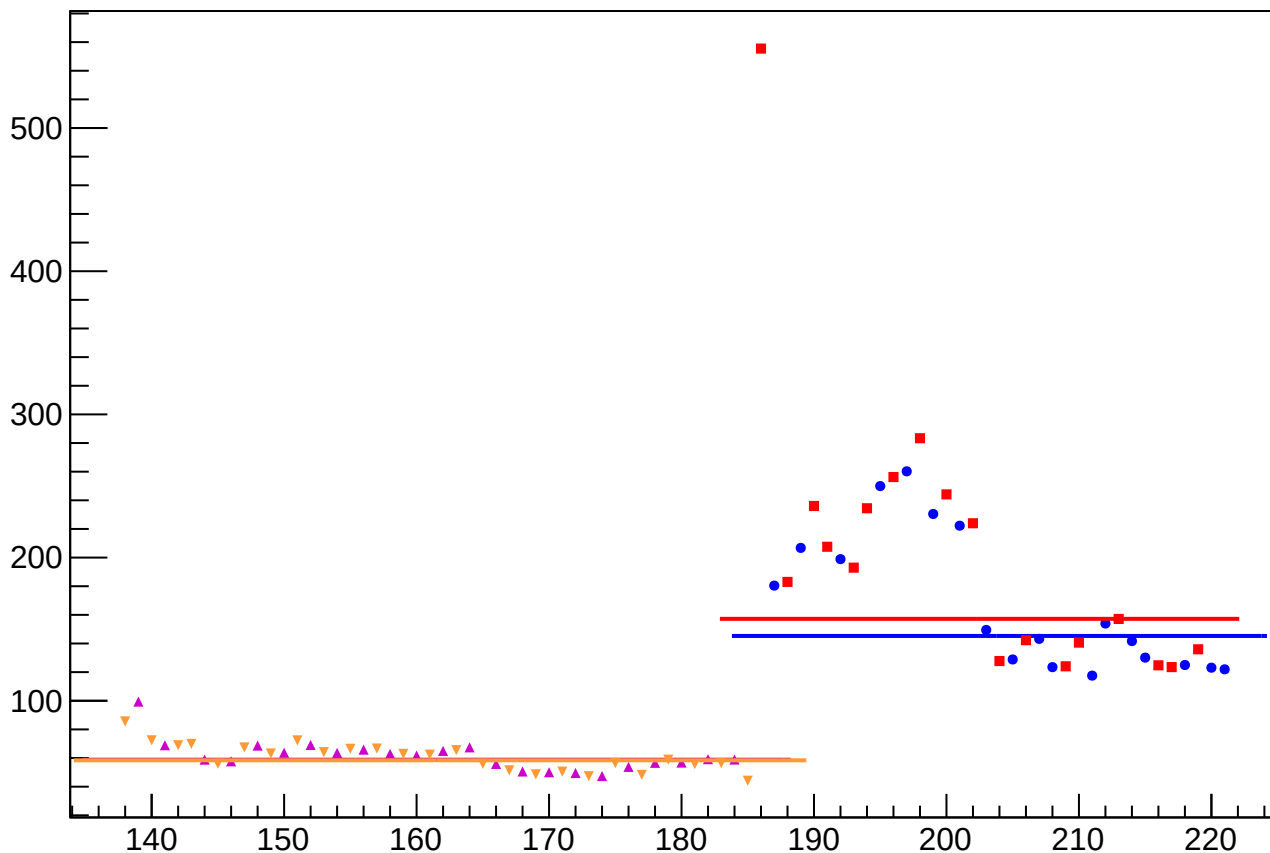
Left In: -72.037 ± 14.296 $\chi^2/\text{NDF}: 25.3/22$

+ sign 29.651 ± 13.115 $\chi^2/\text{NDF}: 83.3/42$

All: -11.964 ± 9.466 $\chi^2/\text{NDF}: 169.1/83$

- sign -57.217 ± 13.676 $\chi^2/\text{NDF}: 64.8/40$

reg_asym_sam_3726_avg_rms vs Slug



Right In: 145.272 $\pm$ 0.029 χ^2 /NDF: 1540180.9/17

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

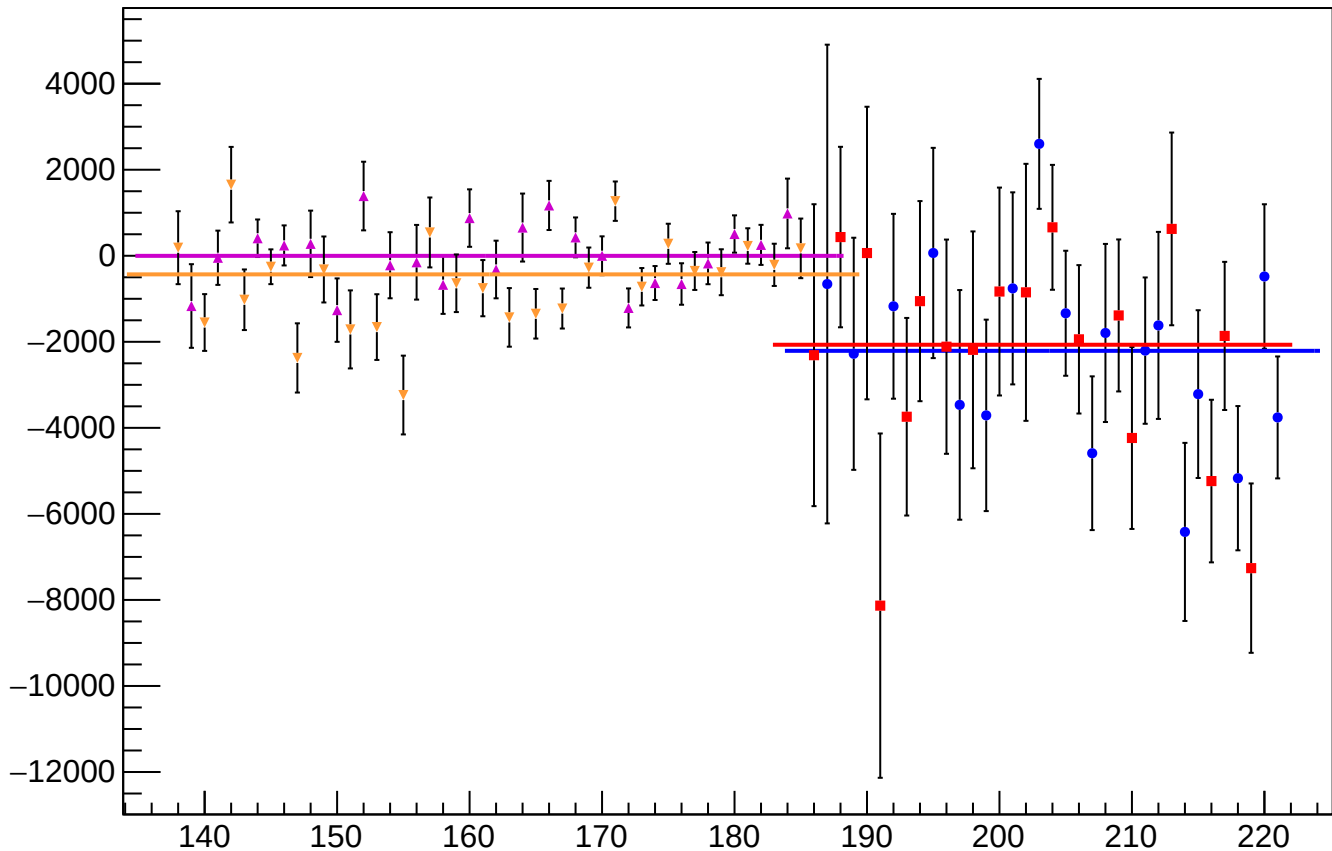
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 67.112 $\pm$ 0.009 χ^2 /NDF: 10227647.3/42

All: 67.152 $\pm$ 0.007 χ^2 /NDF: 21013322.1/83

- sign 67.195 $\pm$ 0.010 χ^2 /NDF: 10785636.1/40

asym_sam_3726_avg_correction_mean vs Slug



Right In: -2209.754 $\pm$ 455.626 χ^2/NDF : 24.4/17

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

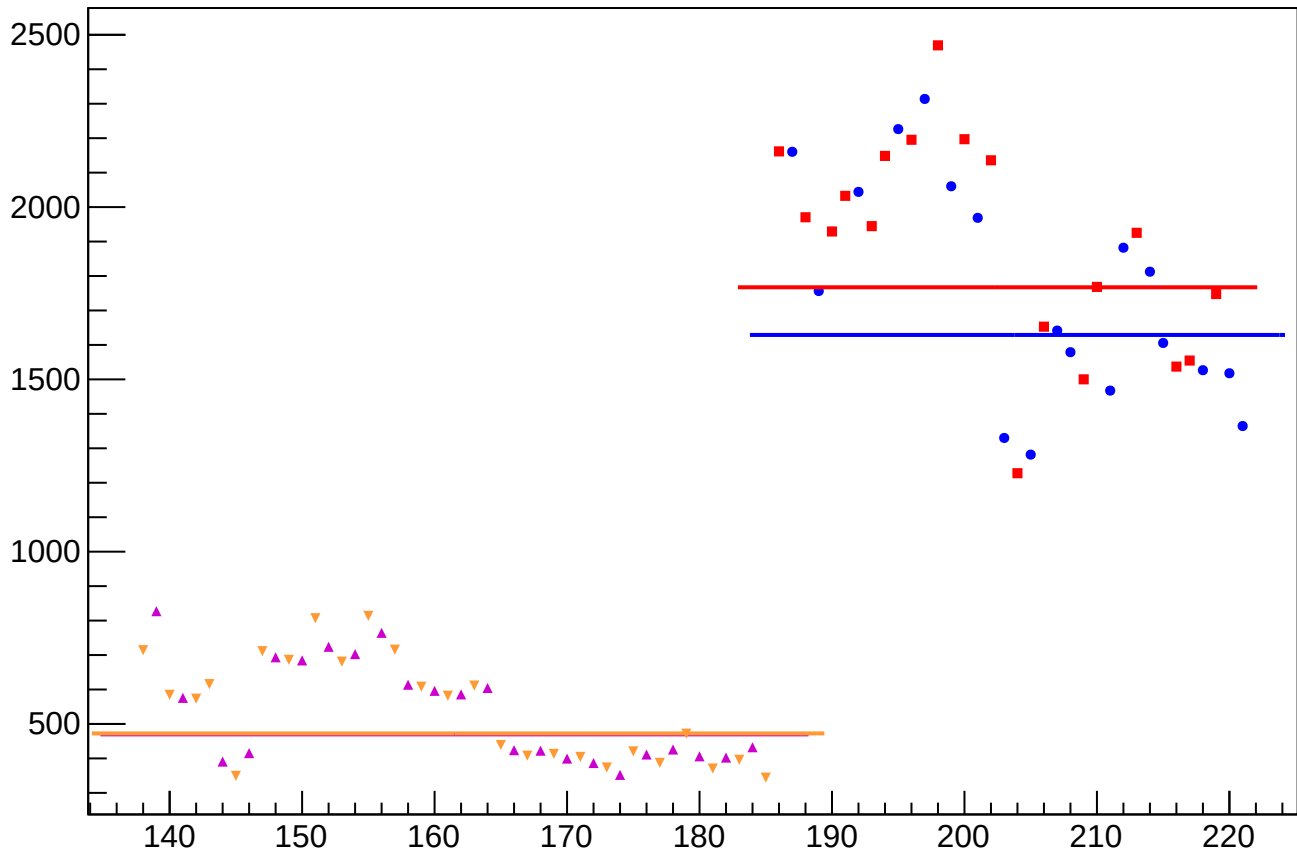
Left In: -1.825 $\pm$ 116.459 χ^2/NDF : 32.3/22

+ sign -537.753 $\pm$ 110.963 χ^2/NDF : 98.1/42

All: -325.886 $\pm$ 79.359 χ^2/NDF : 174.7/83

- sign -104.061 $\pm$ 113.541 χ^2/NDF : 69.1/40

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1628.958 $\pm$ 0.322 χ^2/NDF : 810955.9/17

Left Out: 472.569 $\pm$ 0.081 χ^2/NDF : 2508168.9/24

Right Out: 1767.267 $\pm$ 0.361 χ^2/NDF : 807117.2/17

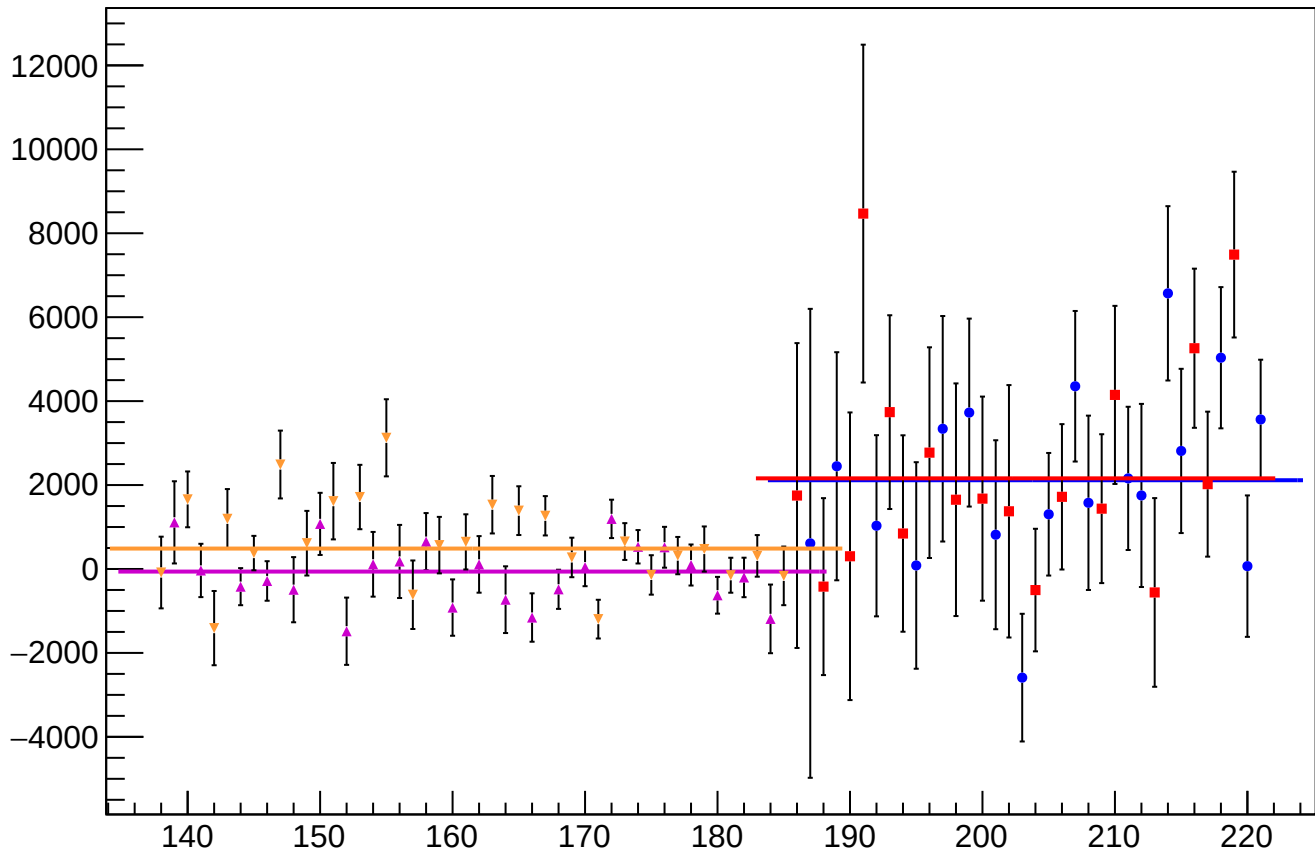
Left In: 469.761 $\pm$ 0.082 χ^2/NDF : 2116885.7/22

+ sign 541.157 $\pm$ 0.078 χ^2/NDF : 15438129.2/42

All: 537.638 $\pm$ 0.056 χ^2/NDF : 30648714.7/83

- sign 533.955 $\pm$ 0.080 χ^2/NDF : 15206470.0/40

asym_sam_3726_avg_mean vs Slug



Right In: 2114.787 $\pm$ 457.828 χ^2 /NDF: 23.8/17

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

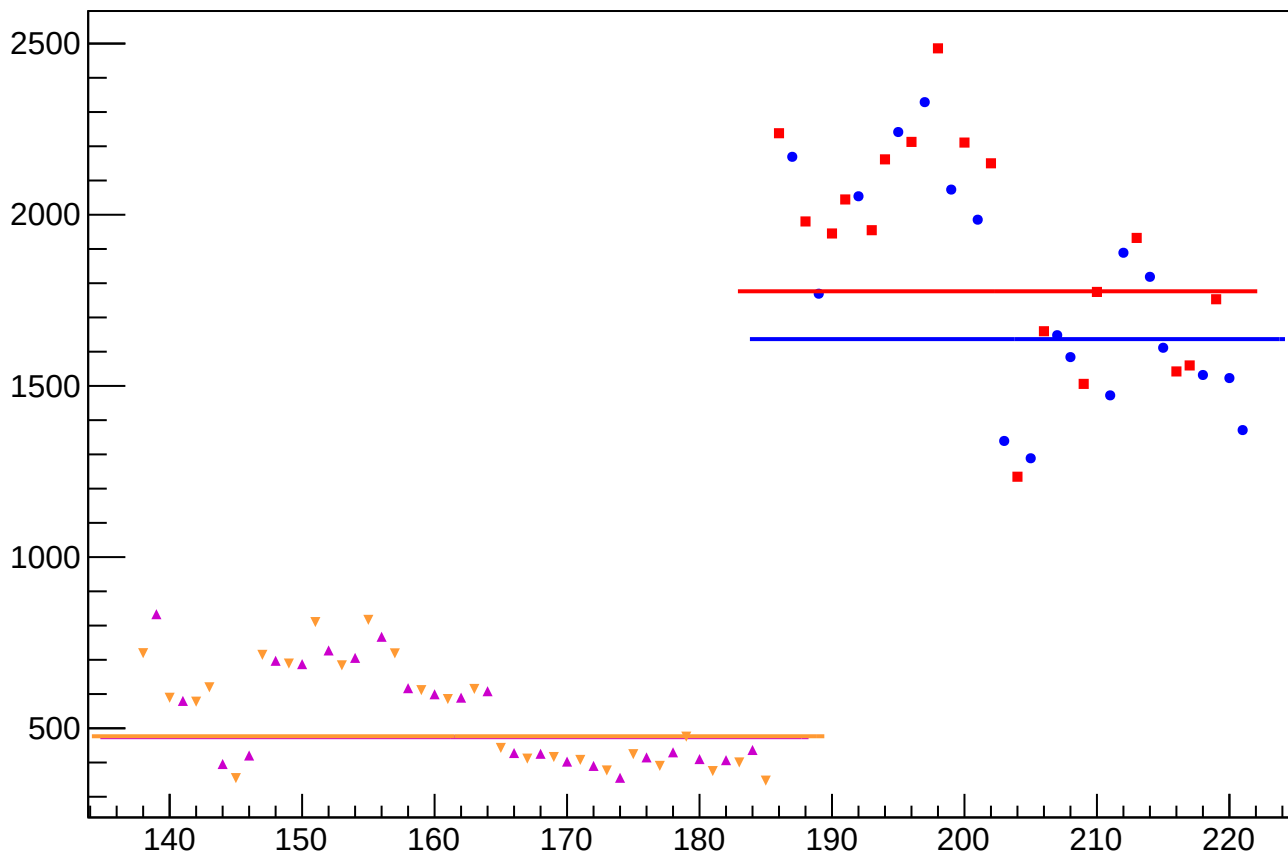
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 583.823 $\pm$ 111.851 χ^2 /NDF: 91.8/42

All: 322.531 $\pm$ 80.007 χ^2 /NDF: 173.0/83

- sign 48.767 $\pm$ 114.489 χ^2 /NDF: 70.1/40

asym_sam_3726_avg_rms vs Slug



Right In: 1636.735 $\pm$ 0.324 χ^2 /NDF: 814182.0/17

Left Out: 476.690 $\pm$ 0.082 χ^2 /NDF: 2472737.6/24

Right Out: 1776.420 $\pm$ 0.363 χ^2 /NDF: 819802.9/17

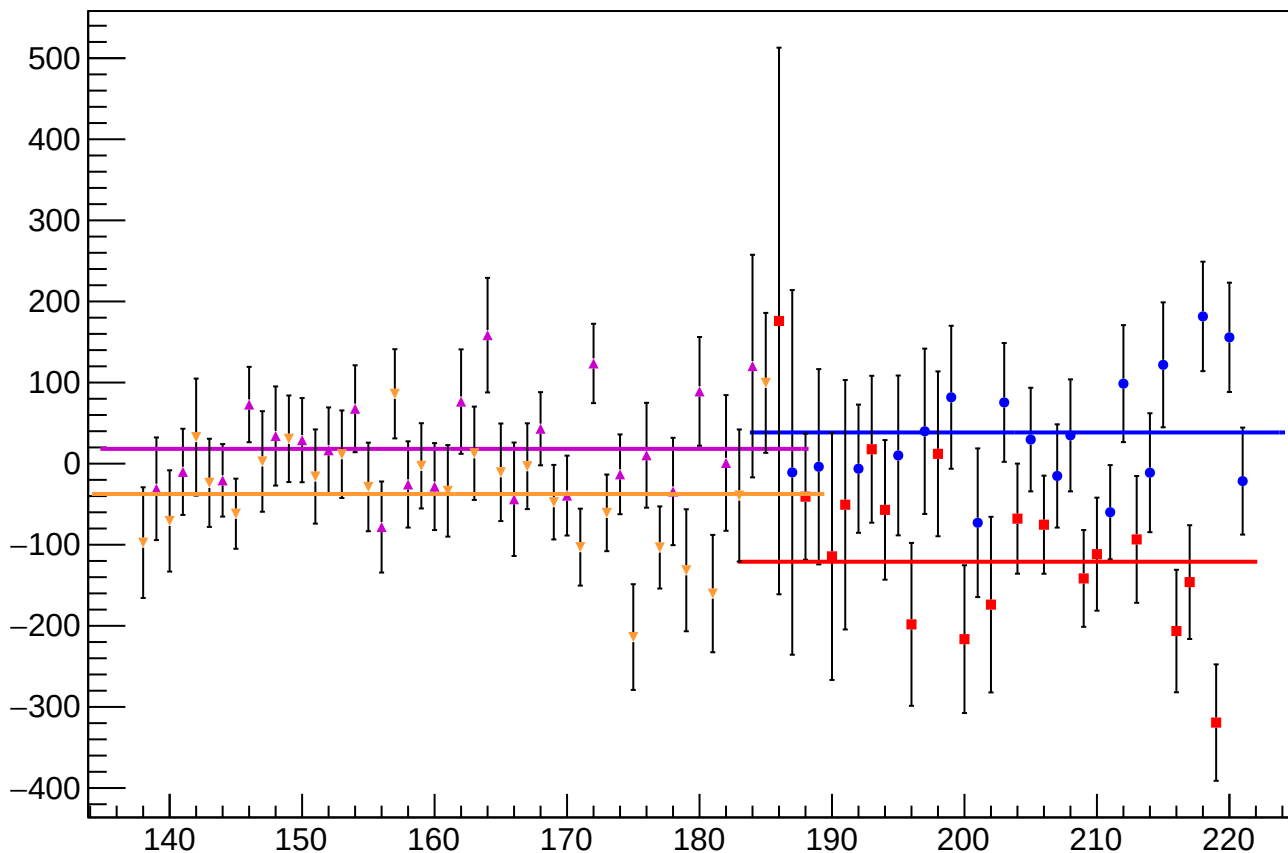
Left In: 473.983 $\pm$ 0.083 χ^2 /NDF: 2087113.7/22

+ sign 545.929 $\pm$ 0.079 χ^2 /NDF: 15360816.5/42

All: 542.445 $\pm$ 0.057 χ^2 /NDF: 30510760.3/83

- sign 538.796 $\pm$ 0.081 χ^2 /NDF: 15145971.9/40

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 38.462 ± 17.975 χ^2/NDF : 16.8/17

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -120.968 ± 19.495 χ^2/NDF : 19.1/17

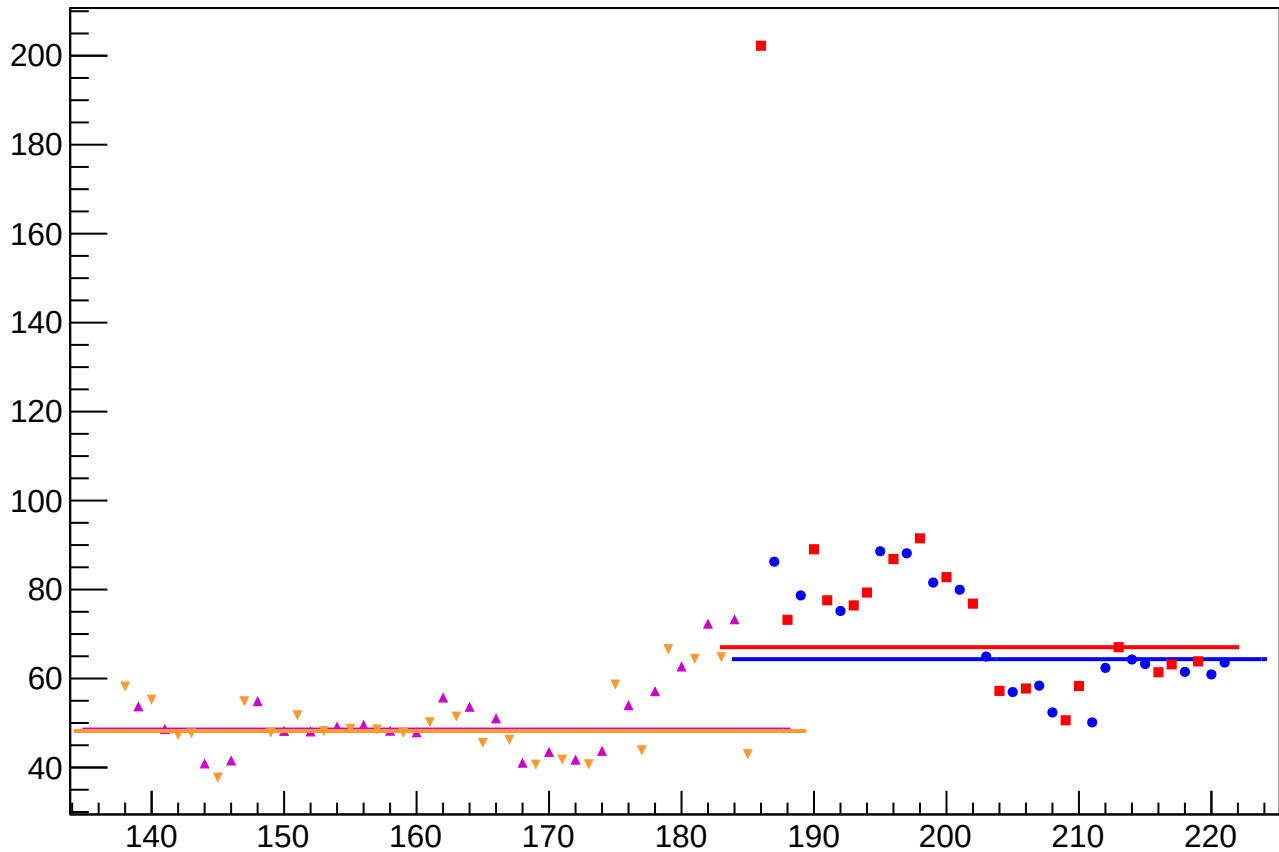
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -15.676 ± 9.621 χ^2/NDF : 60.0/42

All: -17.284 ± 6.962 χ^2/NDF : 139.5/83

- sign -19.052 ± 10.087 χ^2/NDF : 79.4/40

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 64.350 $\pm$ 0.013 χ^2 /NDF: 684031.2/17

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 67.038 $\pm$ 0.014 χ^2 /NDF: 1010830.6/17

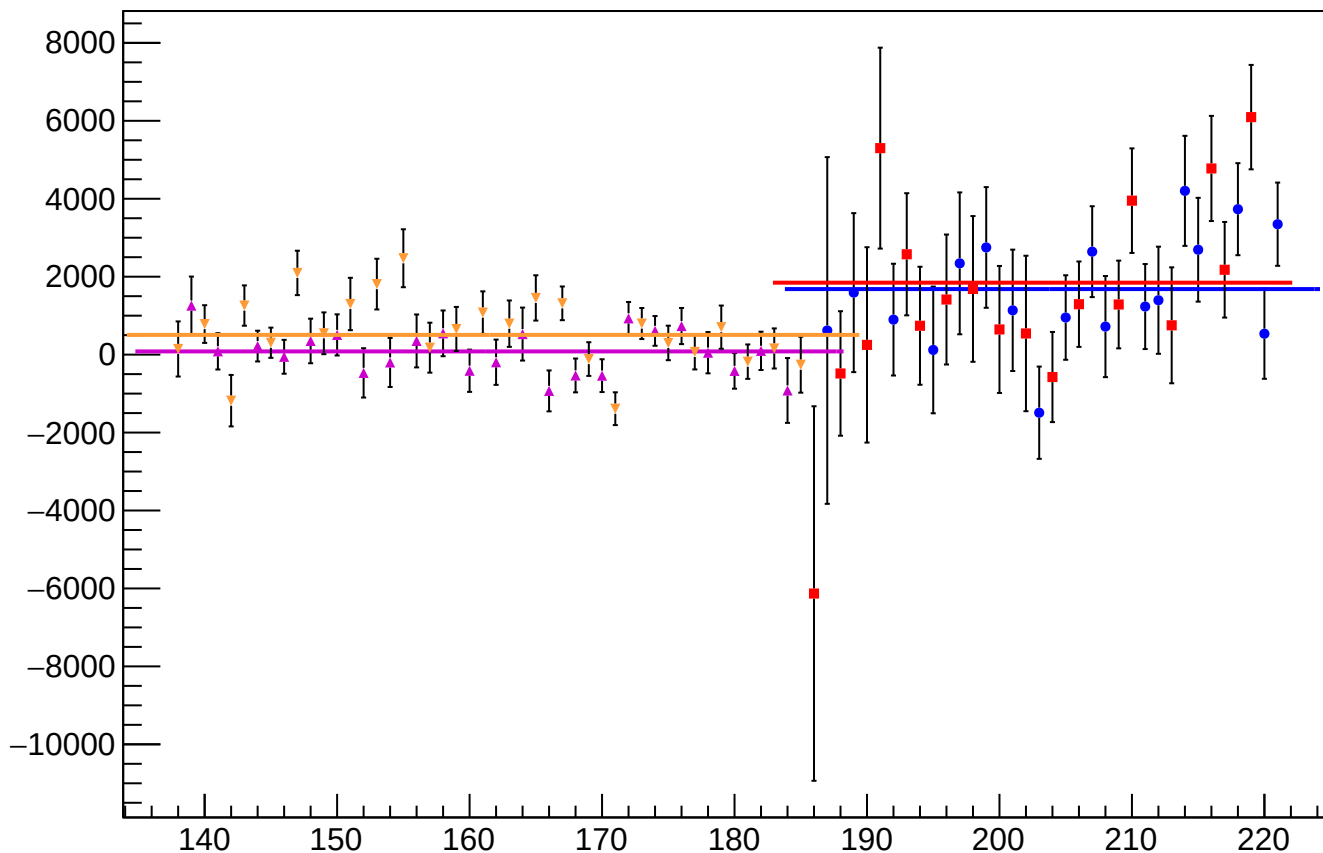
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 52.826 $\pm$ 0.007 χ^2 /NDF: 2586222.3/42

All: 53.139 $\pm$ 0.005 χ^2 /NDF: 5597381.7/83

- sign 53.483 $\pm$ 0.007 χ^2 /NDF: 3006722.0/40

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1682.147 $\pm$ 316.909 χ^2 /NDF: 21.3/17

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

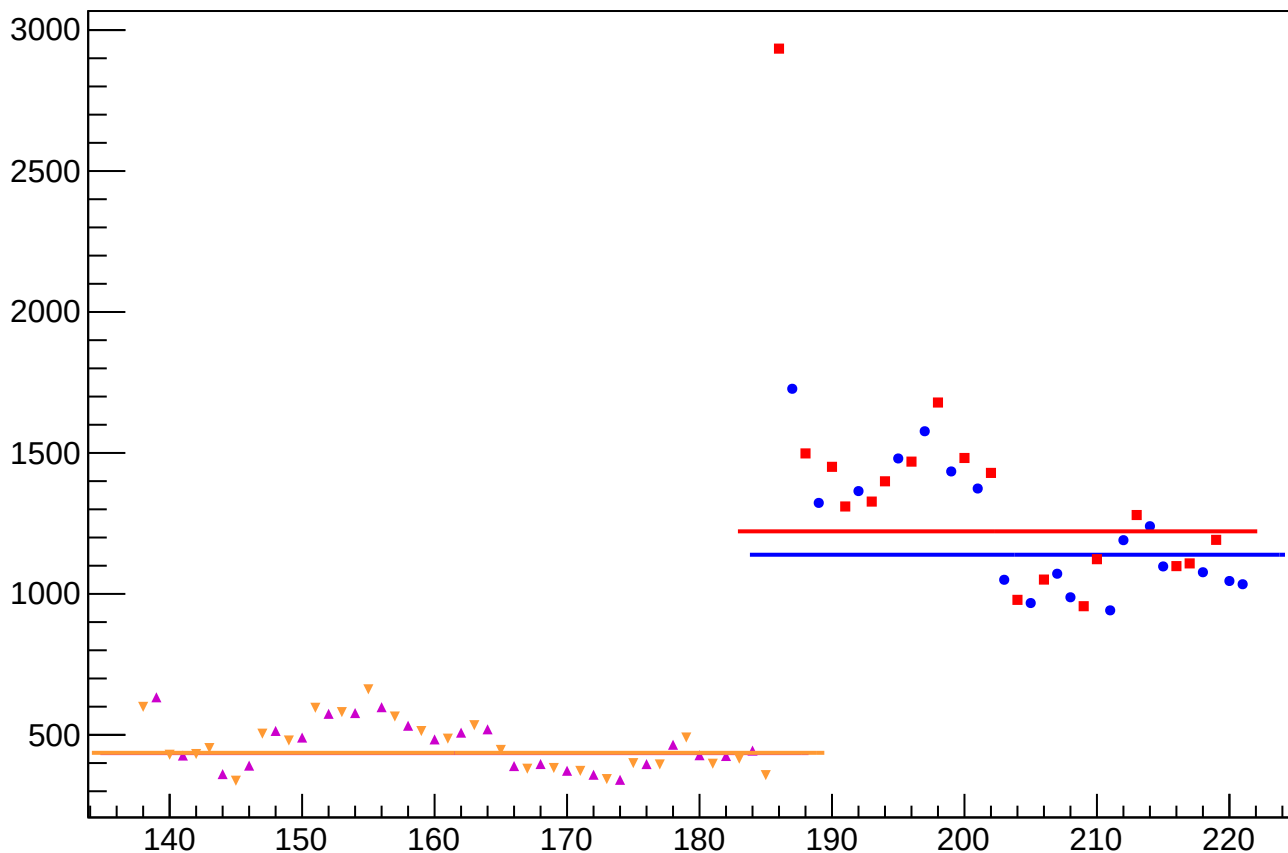
Left In: 82.421 $\pm$ 105.935 χ^2 /NDF:25.3/22

+ sign 619.481 $\pm$ 98.358 χ^2 /NDF: 99.4/42

All: 429.788 $\pm$ 70.625 χ^2 /NDF: 186.9/83

- sign 227.890 $\pm$ 101.473 χ^2 /NDF: 79.8/40

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1138.933 $\pm$ 0.224 χ^2/NDF : 636300.0/17

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

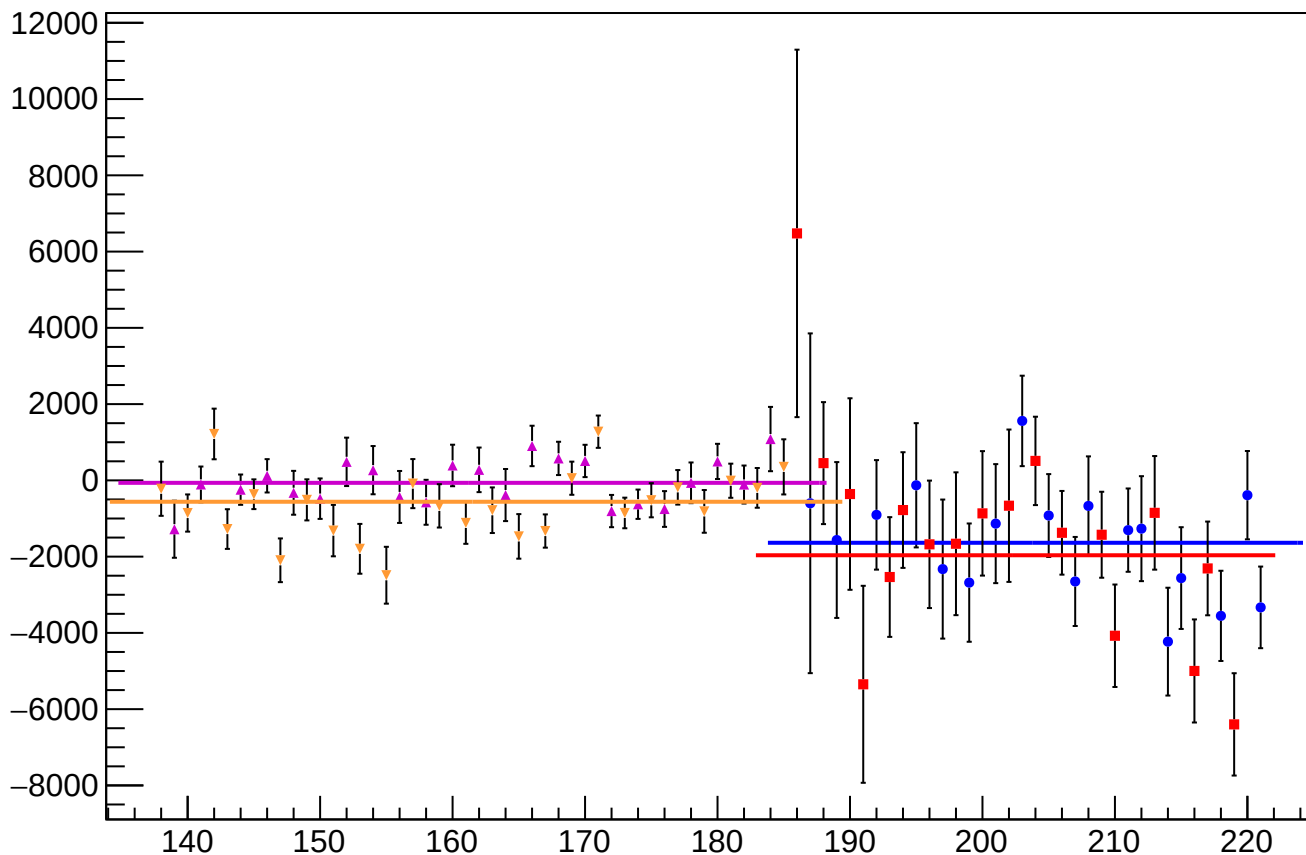
Left In: 435.275 $\pm$ 0.075 χ^2/NDF : 1027713.1/22

+ sign 503.985 $\pm$ 0.070 χ^2/NDF : 10700051.6/42

All: 502.125 $\pm$ 0.050 χ^2/NDF : 21726058.4/83

- sign 500.145 $\pm$ 0.072 χ^2/NDF : 11024530.7/40

asym_sam_15_48_dd_mean vs Slug



Right In: -1636.591 $\pm$ 317.451 χ^2 /NDF: 21.2/17

Left Out: -560.684 $\pm$ 104.207 χ^2 /NDF:61.8/24

Right Out: -1963.961 $\pm$ 353.931 χ^2 /NDF: 33.3/17

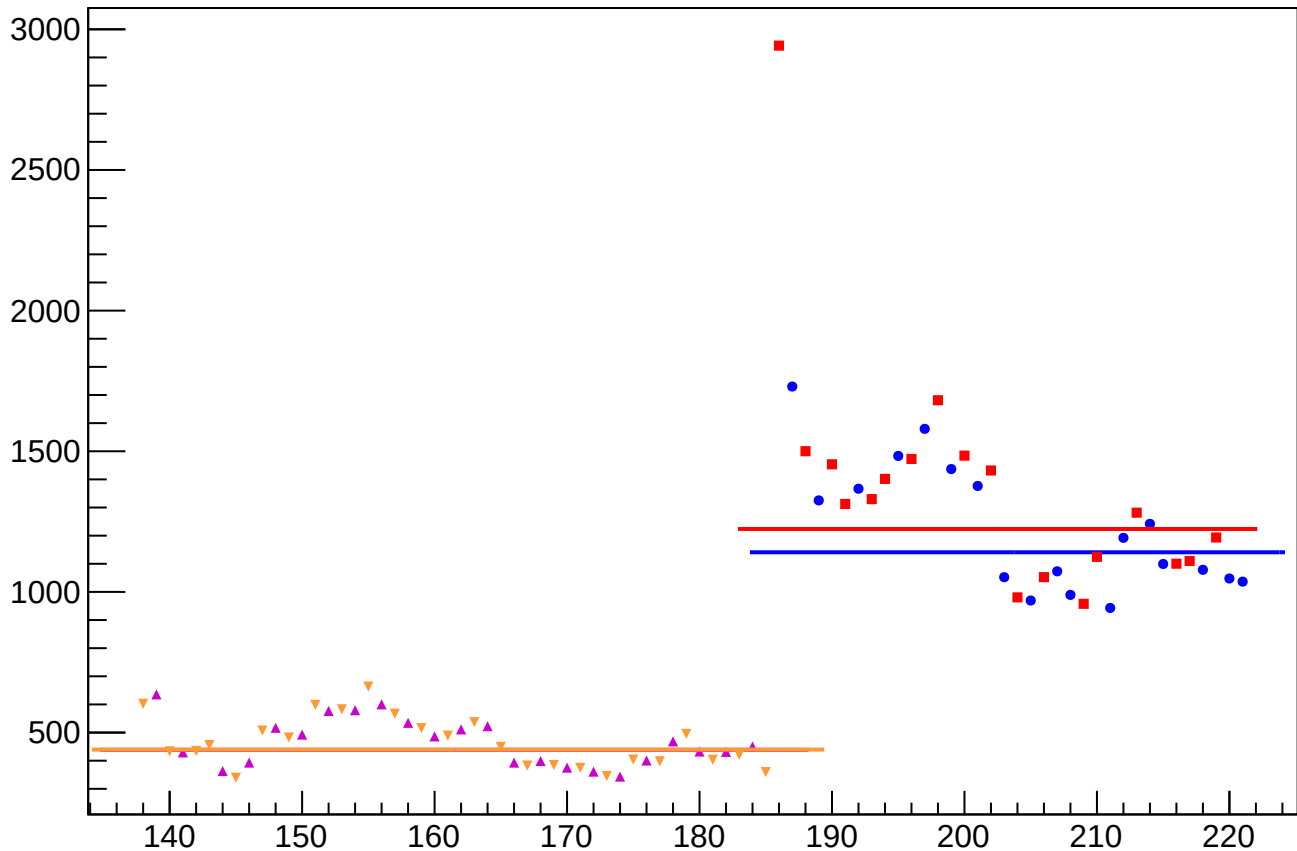
Left In: -64.594 $\pm$ 106.708 χ^2 /NDF:25.2/22

+ sign -665.342 $\pm$ 99.009 χ^2 /NDF: 93.3/42

All: -451.039 $\pm$ 71.100 χ^2 /NDF: 187.8/83

- sign -222.856 $\pm$ 102.165 χ^2 /NDF: 84.9/40

asym_sam_15_48_dd_rms vs Slug



Right In: 1140.888+/-0.224 χ^2/NDF : 636430.4/17

Left Out: 439.527+/-0.074 χ^2/NDF : 1163352.8/24

Right Out: 1223.878+/-0.250 χ^2/NDF : 903197.8/17

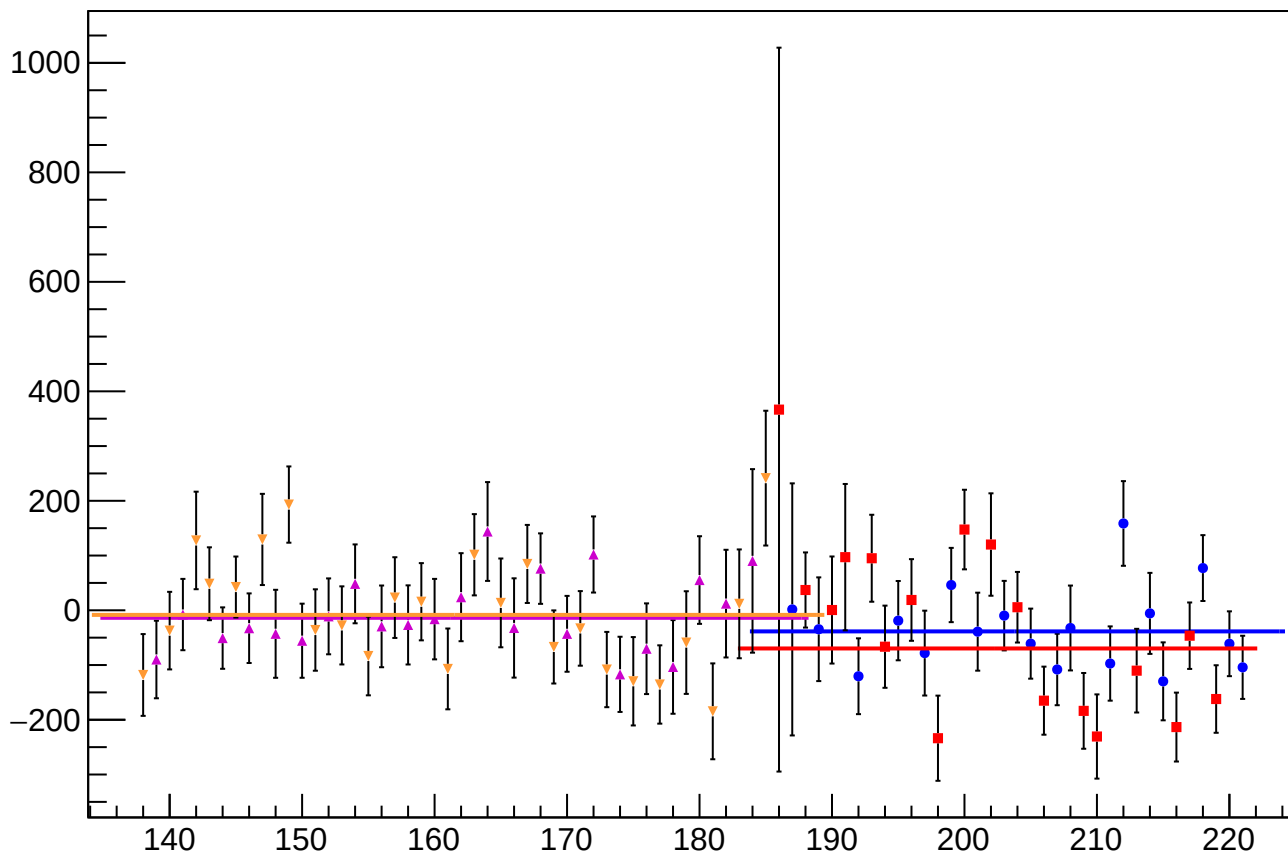
Left In: 438.548+/-0.075 χ^2/NDF : 1013071.4/22

+ sign 507.751+/-0.070 χ^2/NDF : 10612590.4/42

All: 505.927+/-0.050 χ^2/NDF : 21556607.2/83

- sign 503.984+/-0.072 χ^2/NDF : 10942614.8/40

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -38.561 ± 16.598 χ^2/NDF : 19.0/17

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: -69.741 ± 17.694 χ^2/NDF : 46.8/17

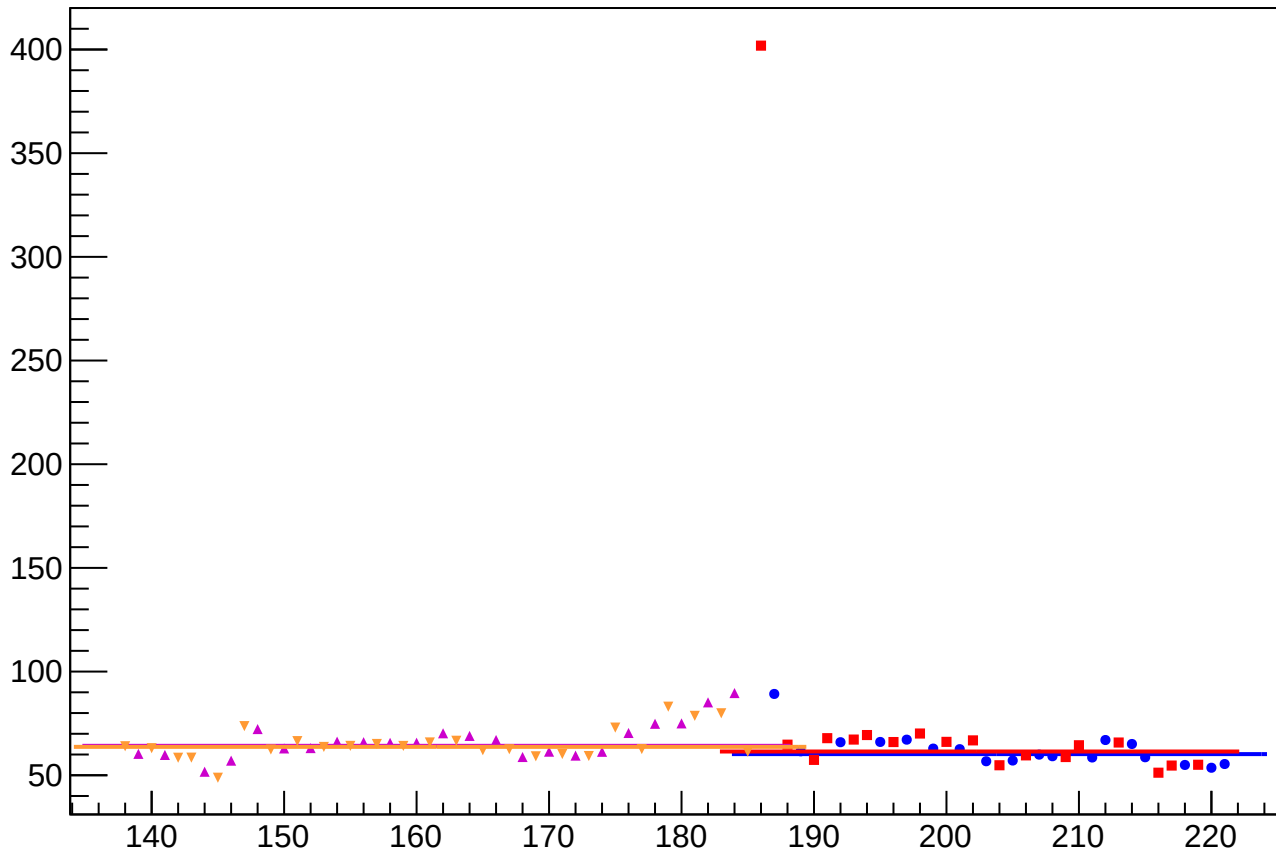
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -21.903 ± 11.102 χ^2/NDF : 62.5/42

All: -29.568 ± 8.037 χ^2/NDF : 132.2/83

- sign -38.007 ± 11.650 χ^2/NDF : 68.7/40

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 60.197 $\pm$ 0.012 χ^2 /NDF: 171185.3/17

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

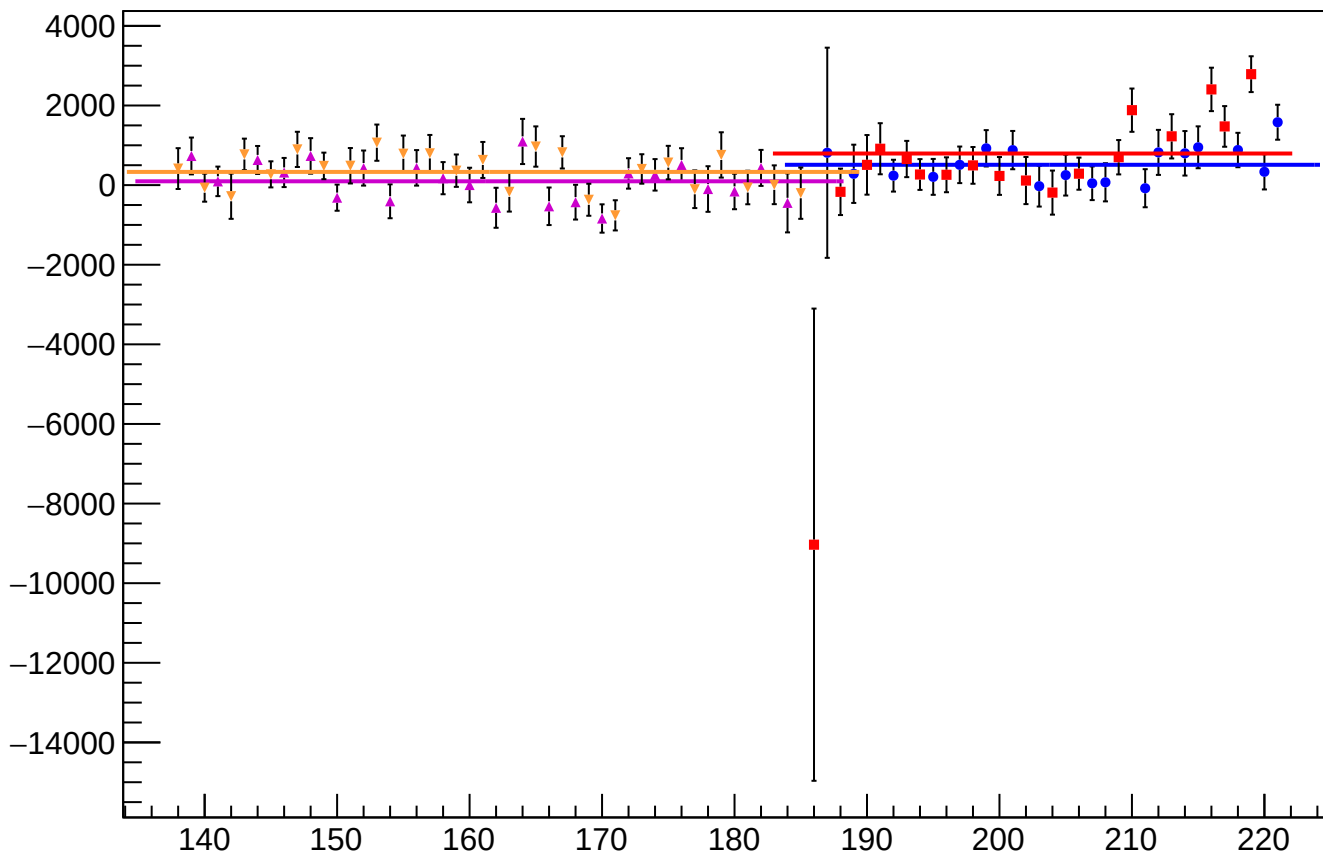
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 62.131 $\pm$ 0.008 χ^2 /NDF: 668731.8/42

All: 62.546 $\pm$ 0.006 χ^2 /NDF: 1888690.7/83

- sign 63.003 $\pm$ 0.008 χ^2 /NDF: 1214081.9/40

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 510.485 ± 115.830 χ^2/NDF : 15.4/17

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: 793.762 ± 120.035 χ^2/NDF : 51.7/17

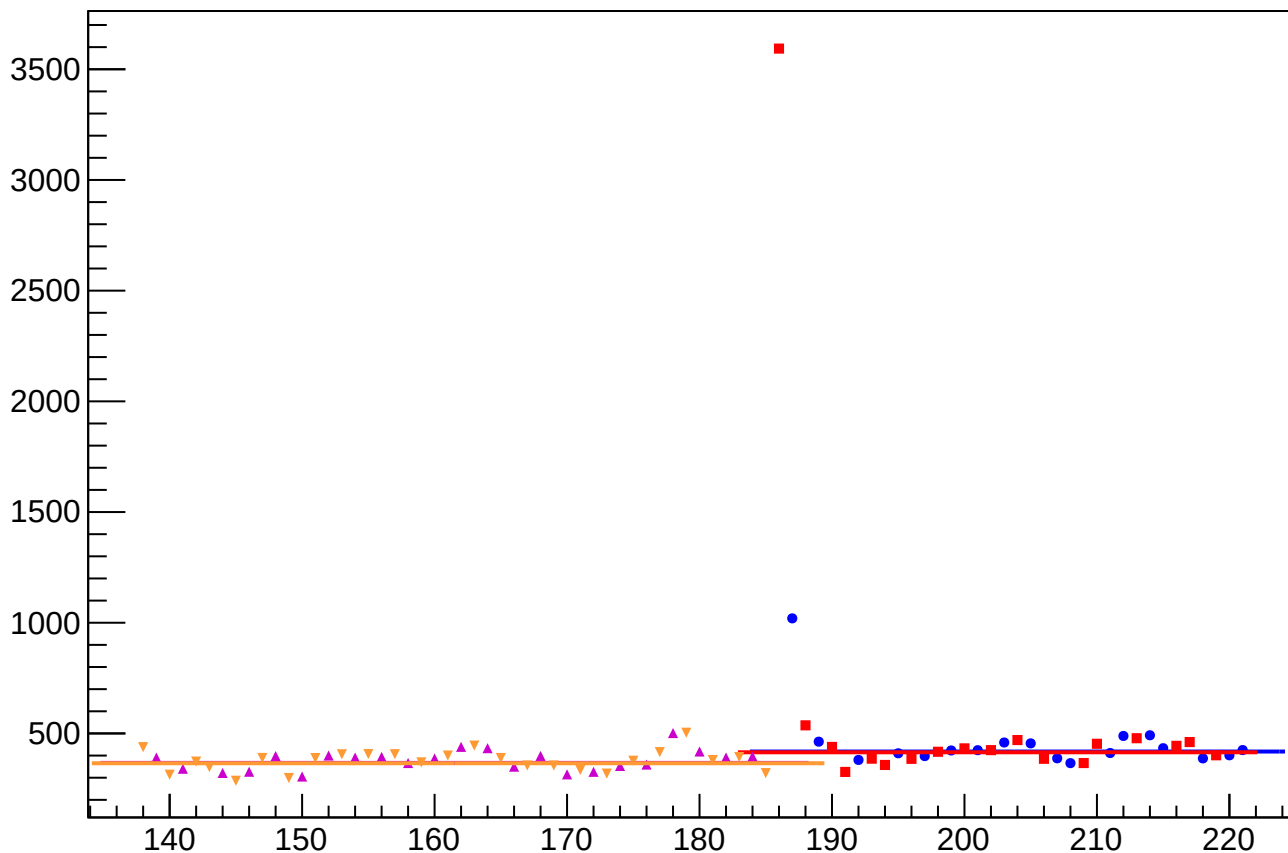
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 395.326 ± 69.085 χ^2/NDF : 46.9/42

All: 369.618 ± 49.620 χ^2/NDF : 149.4/83

- sign 342.225 ± 71.314 χ^2/NDF : 102.3/40

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 418.272+/-0.082 χ^2/NDF : 272994.4/17

Left Out: 365.355+/-0.061 χ^2/NDF : 618453.7/24

Right Out: 414.846+/-0.085 χ^2/NDF : 882088.9/17

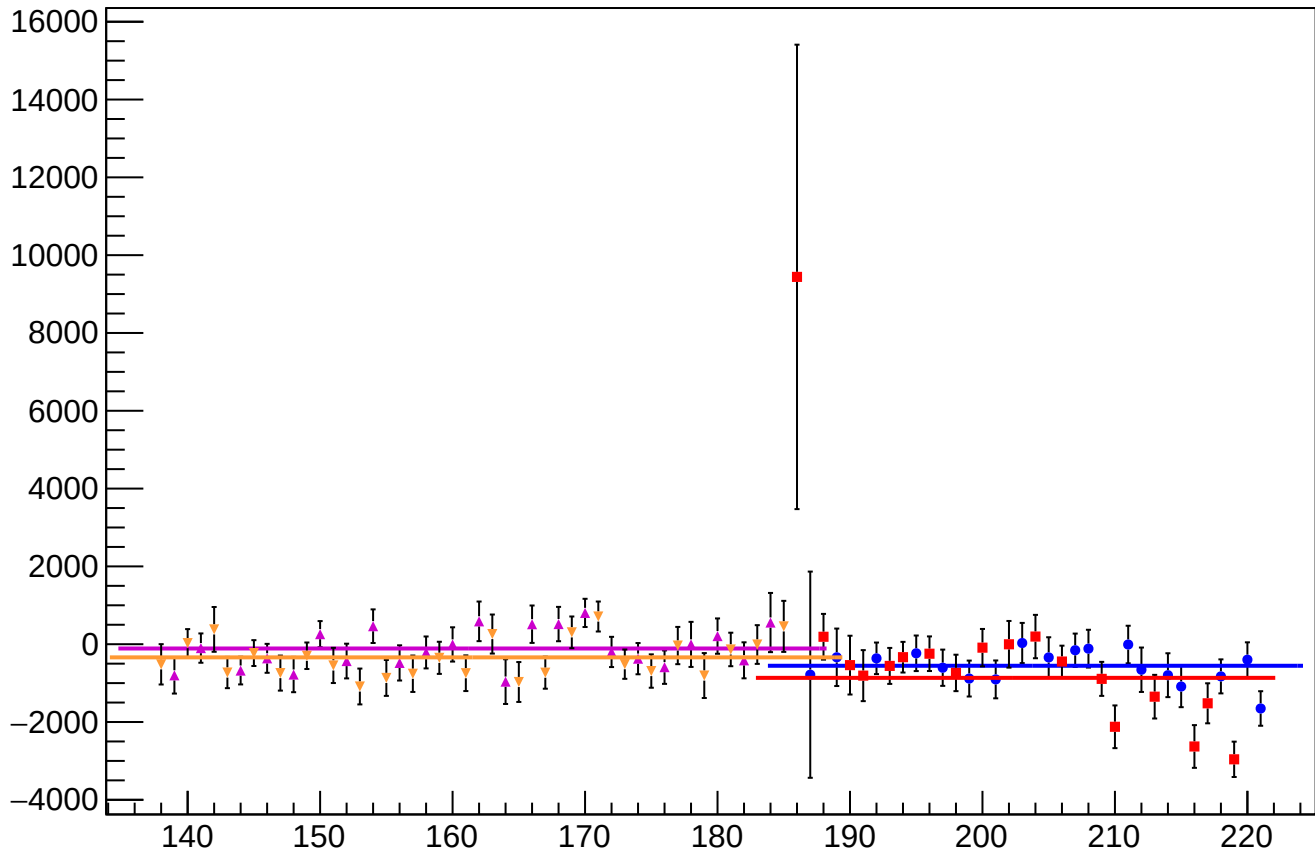
Left In: 366.925+/-0.063 χ^2/NDF : 478082.1/22

+ sign 384.180+/-0.049 χ^2/NDF : 1160380.1/42

All: 384.015+/-0.035 χ^2/NDF : 2726826.3/83

- sign 383.839+/-0.050 χ^2/NDF : 1566422.6/40

asym_sam_37_48_dd_mean vs Slug



Right In: -554.428 ± 117.137 χ^2/NDF : 14.1/17

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -865.125 ± 121.512 χ^2/NDF : 59.2/17

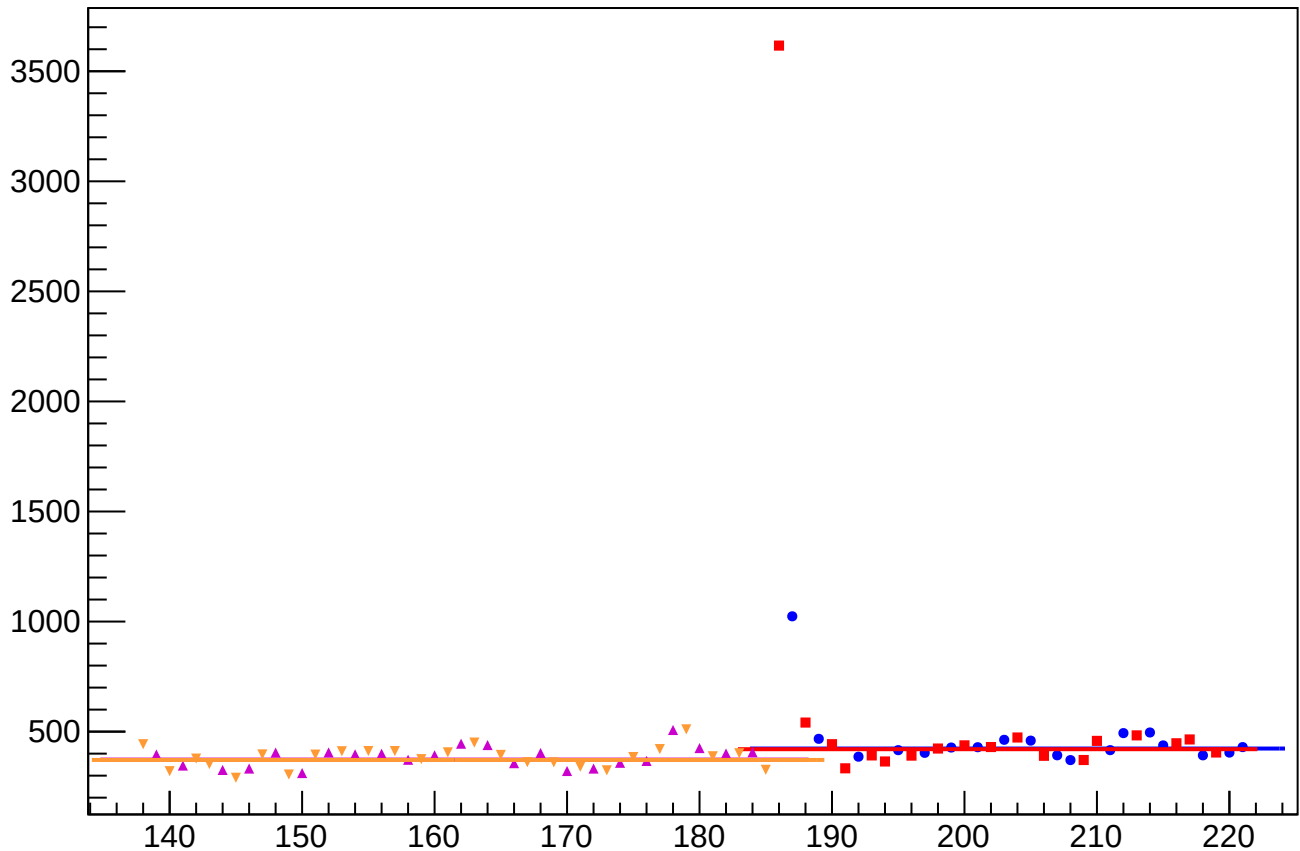
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -415.796 ± 70.076 χ^2/NDF : 44.5/42

All: -397.528 ± 50.341 χ^2/NDF : 158.0/83

- sign -378.046 ± 72.366 χ^2/NDF : 113.3/40

asym_sam_37_48_dd_rms vs Slug



Right In: 423.131+/-0.083 χ^2/NDF : 265377.0/17

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 420.139+/-0.086 χ^2/NDF : 865078.5/17

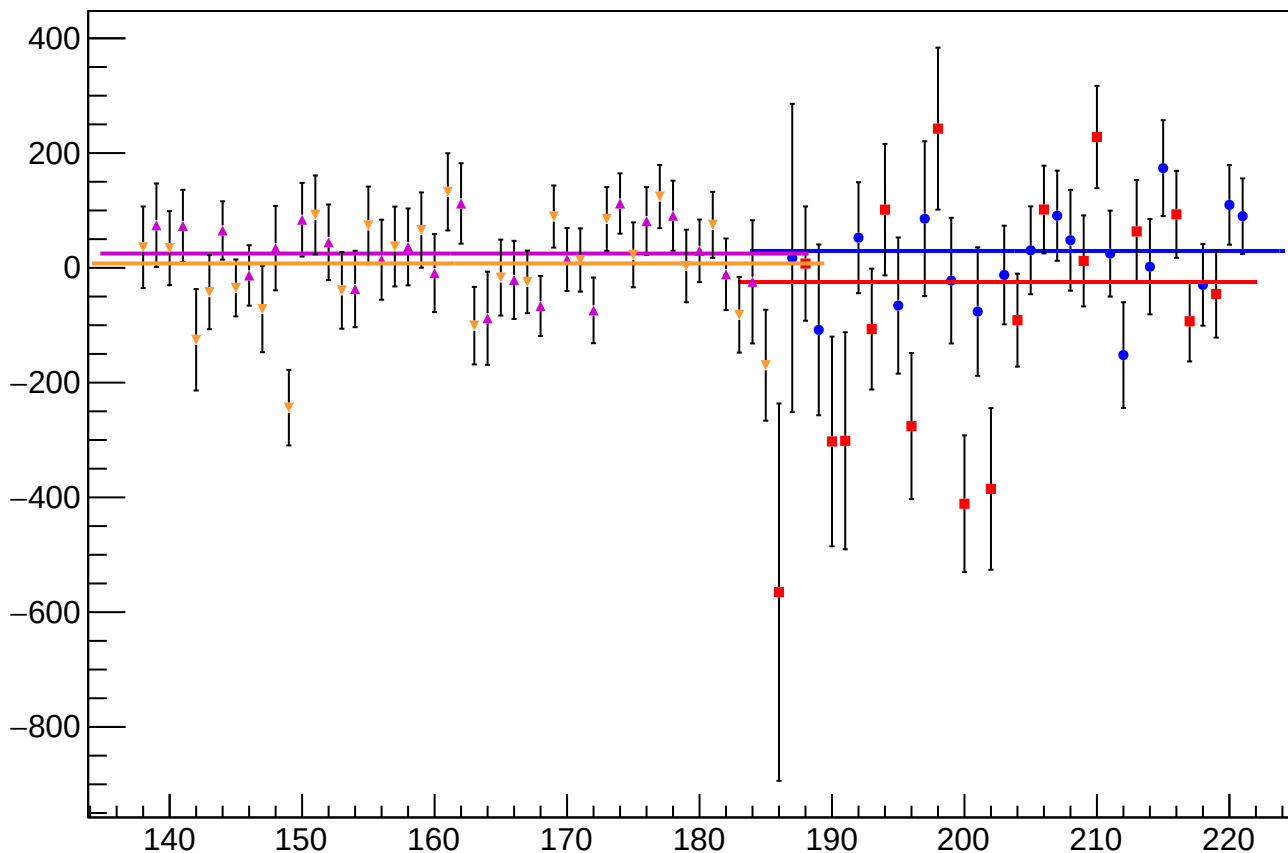
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 389.886+/-0.050 χ^2/NDF : 1120345.5/42

All: 389.786+/-0.036 χ^2/NDF : 2647524.6/83

- sign 389.679+/-0.051 χ^2/NDF : 1527170.7/40

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 29.435 ± 20.965 χ^2/NDF : 13.6/17

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -24.678 ± 23.245 χ^2/NDF : 49.7/17

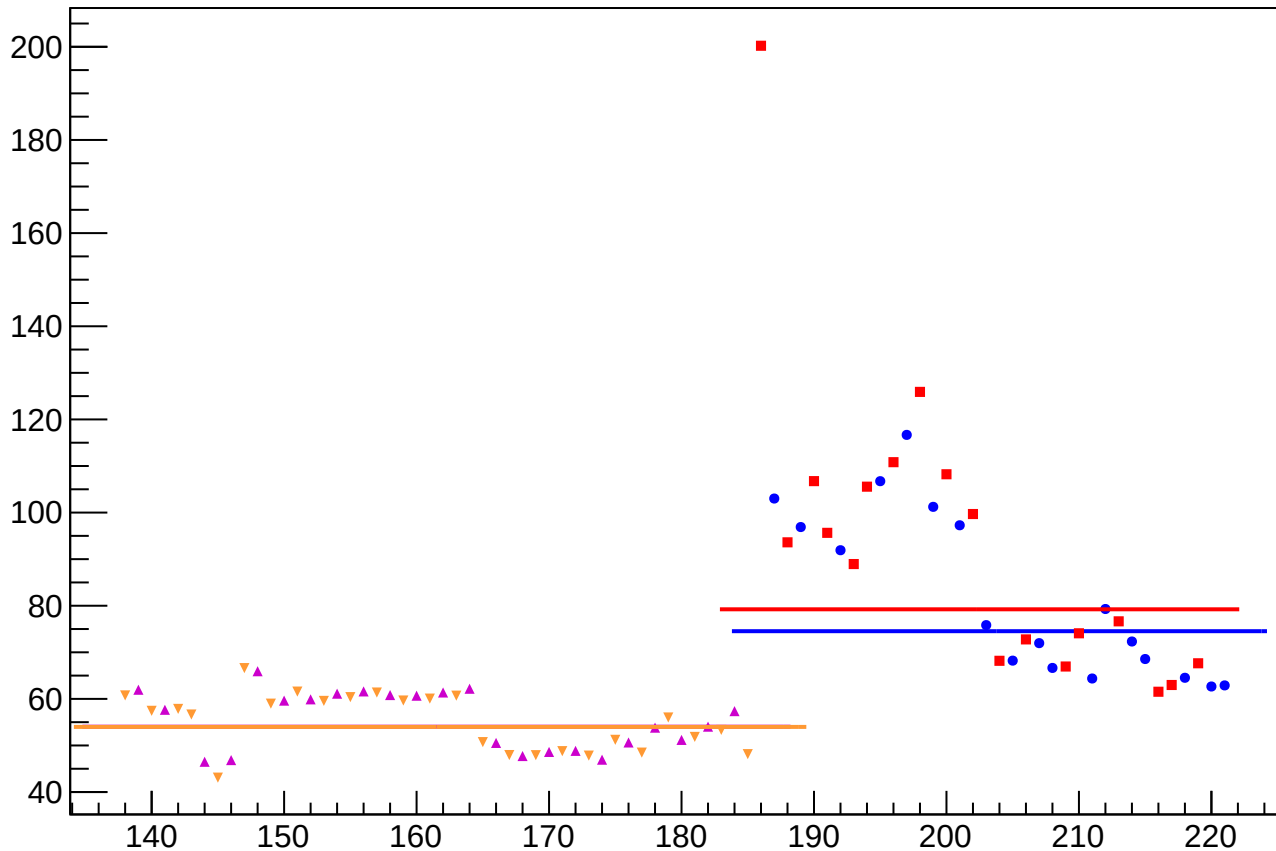
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 13.522 ± 10.835 χ^2/NDF : 59.8/42

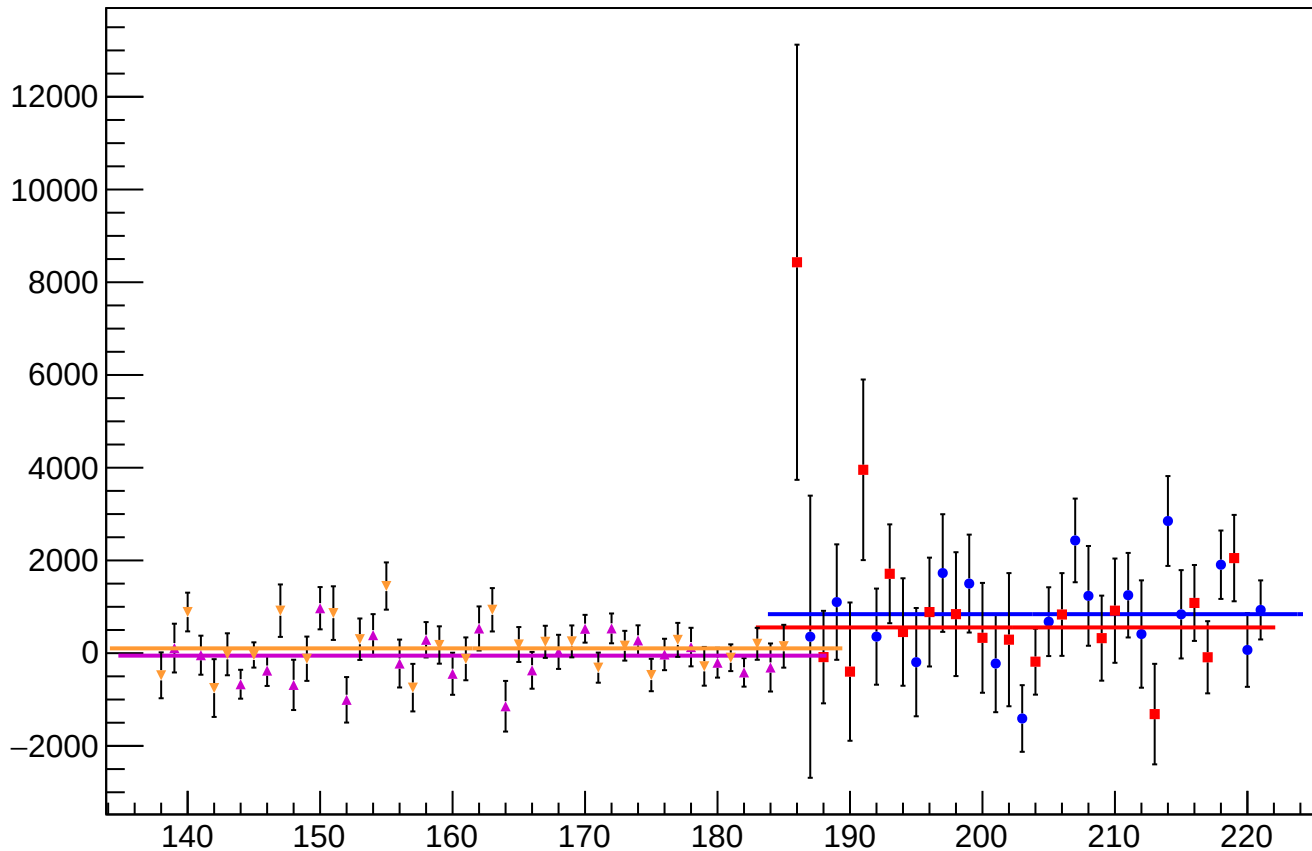
All: 13.292 ± 7.842 χ^2/NDF : 132.7/83

- sign 13.039 ± 11.365 χ^2/NDF : 72.9/40

reg_asym_sam_15_26_dd_rms vs Slug



asym_sam_15_26_dd_correction_mean vs Slug



Right In: 841.281 $\pm$ 219.867 χ^2/NDF : 23.8/17

Left Out: 103.768 $\pm$ 79.344 χ^2/NDF : 31.0/24

Right Out: 555.176 $\pm$ 248.217 χ^2/NDF : 16.1/17

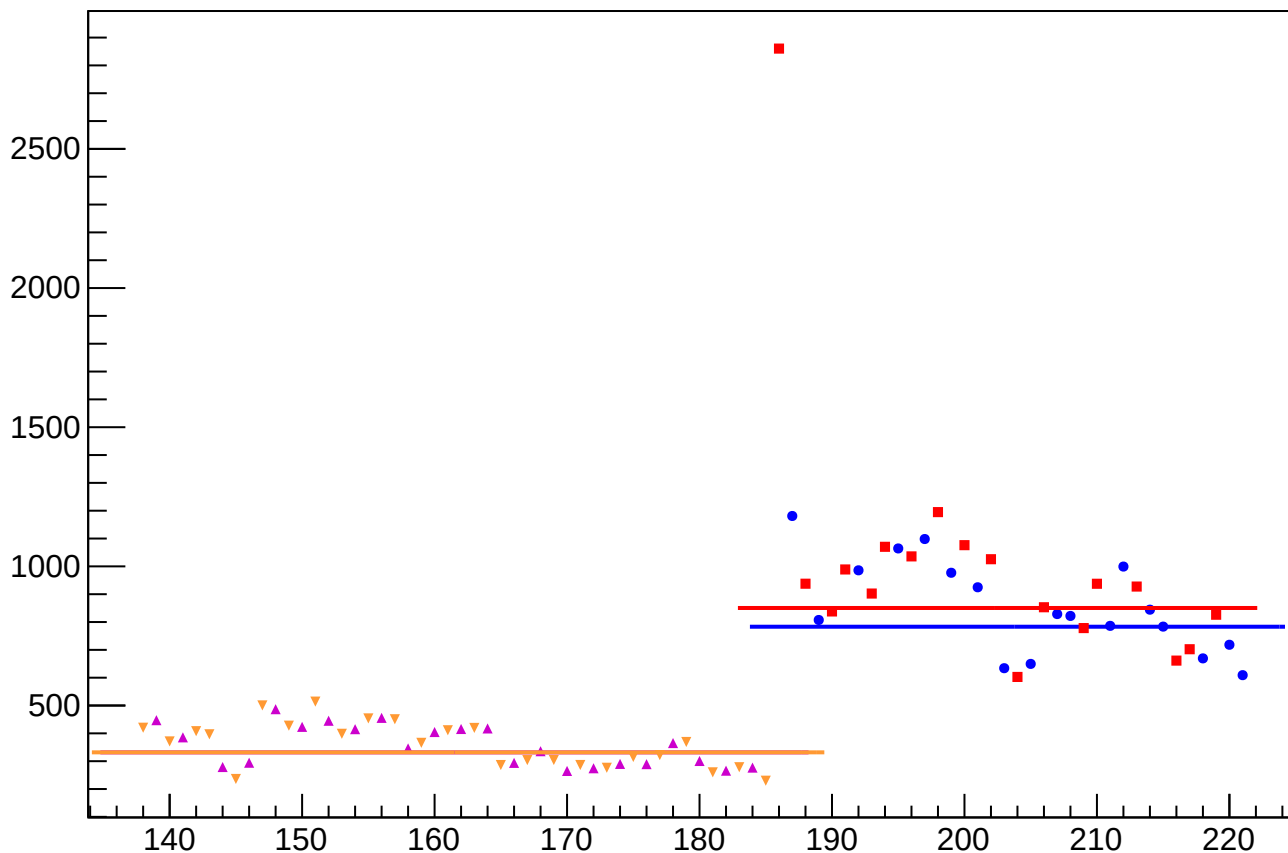
Left In: -53.493 $\pm$ 81.201 χ^2/NDF : 34.1/22

+ sign 188.747 $\pm$ 74.633 χ^2/NDF : 64.7/42

All: 100.120 $\pm$ 53.650 χ^2/NDF : 123.2/83

- sign 5.349 $\pm$ 77.176 χ^2/NDF : 55.6/40

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 783.155 ± 0.155 $\chi^2/\text{NDF}: 900967.7/17$

Left Out: 331.770 ± 0.056 $\chi^2/\text{NDF}: 1711721.9/24$

Right Out: 850.467 ± 0.176 $\chi^2/\text{NDF}: 1212154.9/17$

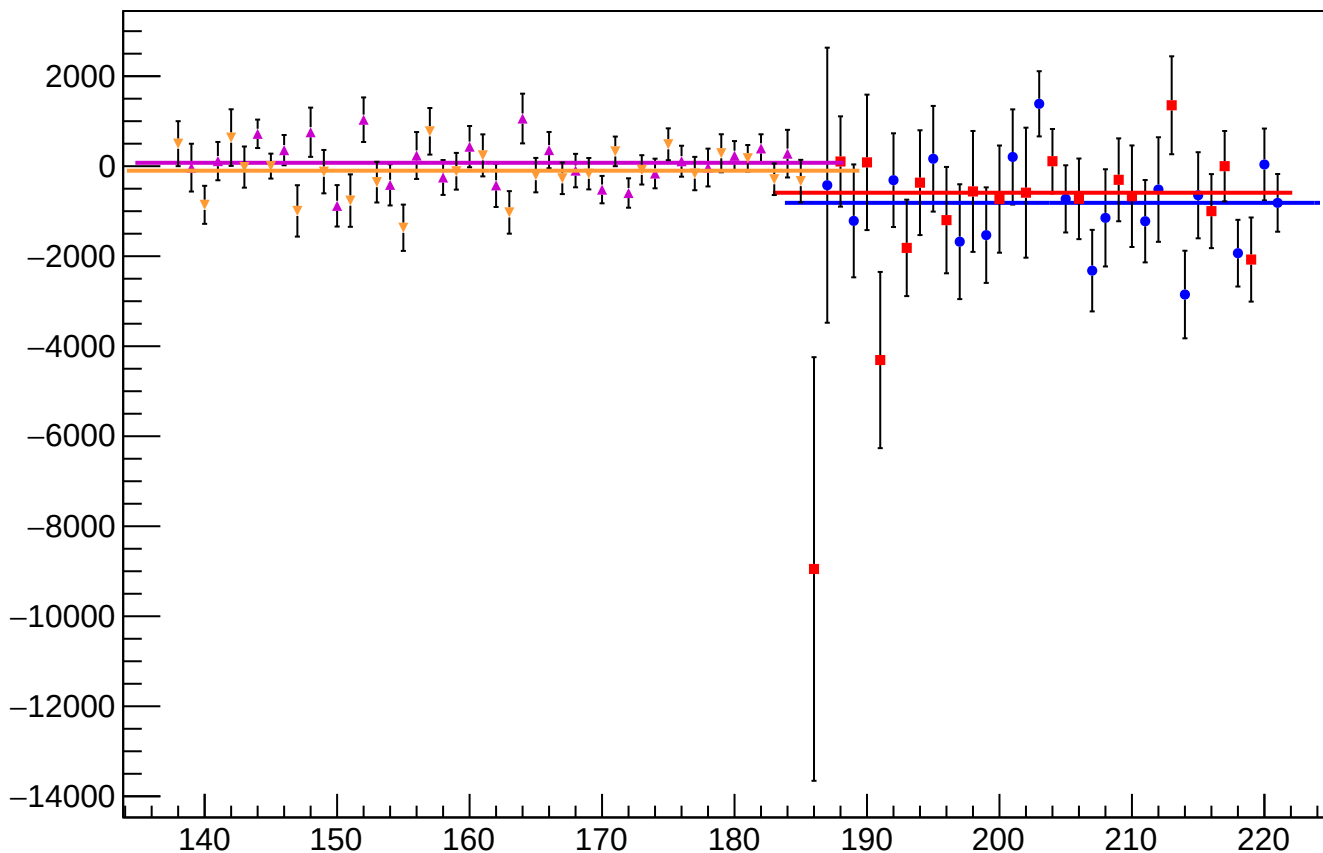
Left In: 331.666 ± 0.057 $\chi^2/\text{NDF}: 1303192.2/22$

+ sign 383.781 ± 0.053 $\chi^2/\text{NDF}: 10070953.4/42$

All: 382.833 ± 0.038 $\chi^2/\text{NDF}: 20479447.5/83$

- sign 381.820 ± 0.055 $\chi^2/\text{NDF}: 10407826.7/40$

asym_sam_15_26_dd_mean vs Slug



Right In: -814.236 ± 221.018 χ^2/NDF : 23.1/17

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -589.759 ± 249.442 χ^2/NDF : 16.7/17

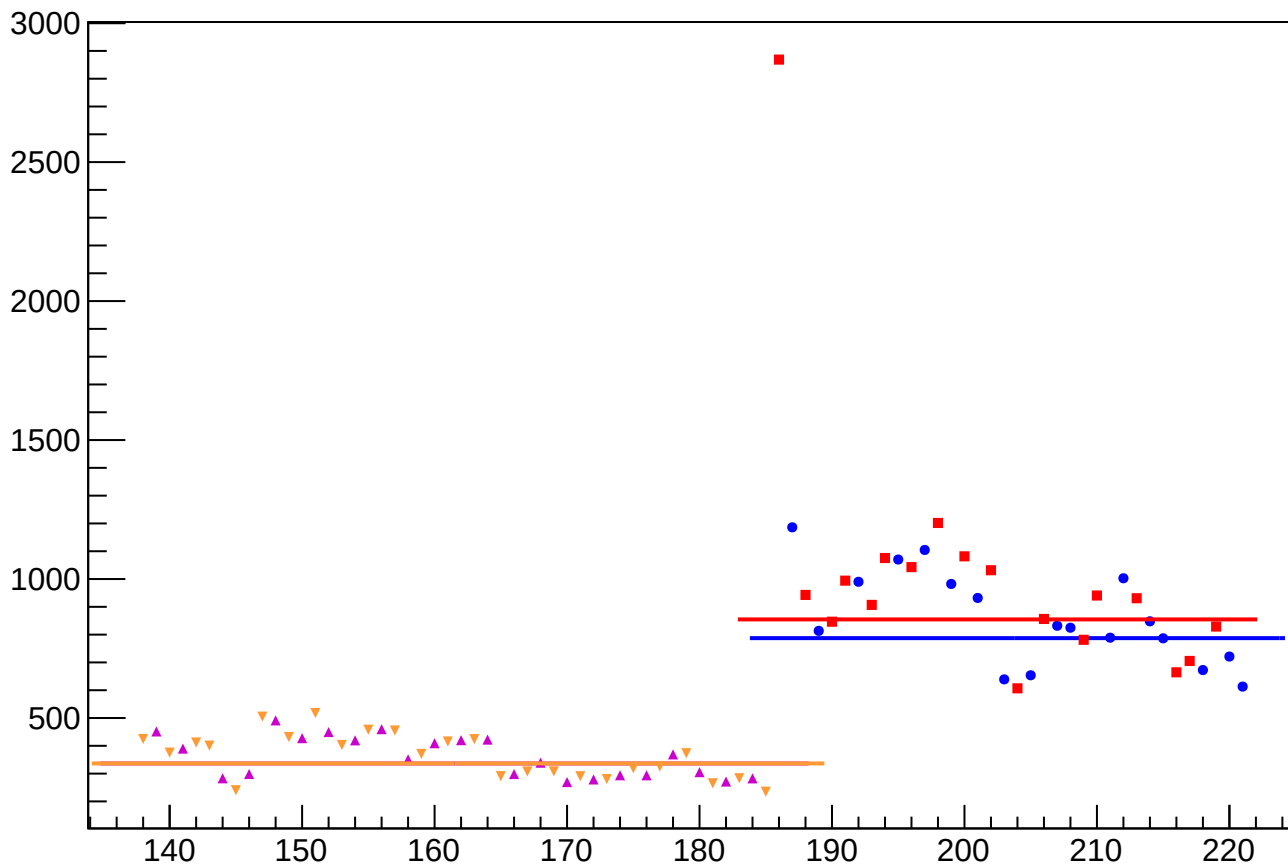
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -183.331 ± 75.579 χ^2/NDF : 63.0/42

All: -89.811 ± 54.336 χ^2/NDF : 121.3/83

- sign 10.235 ± 78.172 χ^2/NDF : 55.2/40

asym_sam_15_26_dd_rms vs Slug



Right In: 787.360 ± 0.156 $\chi^2/\text{NDF}: 896558.3/17$

Left Out: 336.557 ± 0.057 $\chi^2/\text{NDF}: 1665919.4/24$

Right Out: 854.721 ± 0.176 $\chi^2/\text{NDF}: 1211169.1/17$

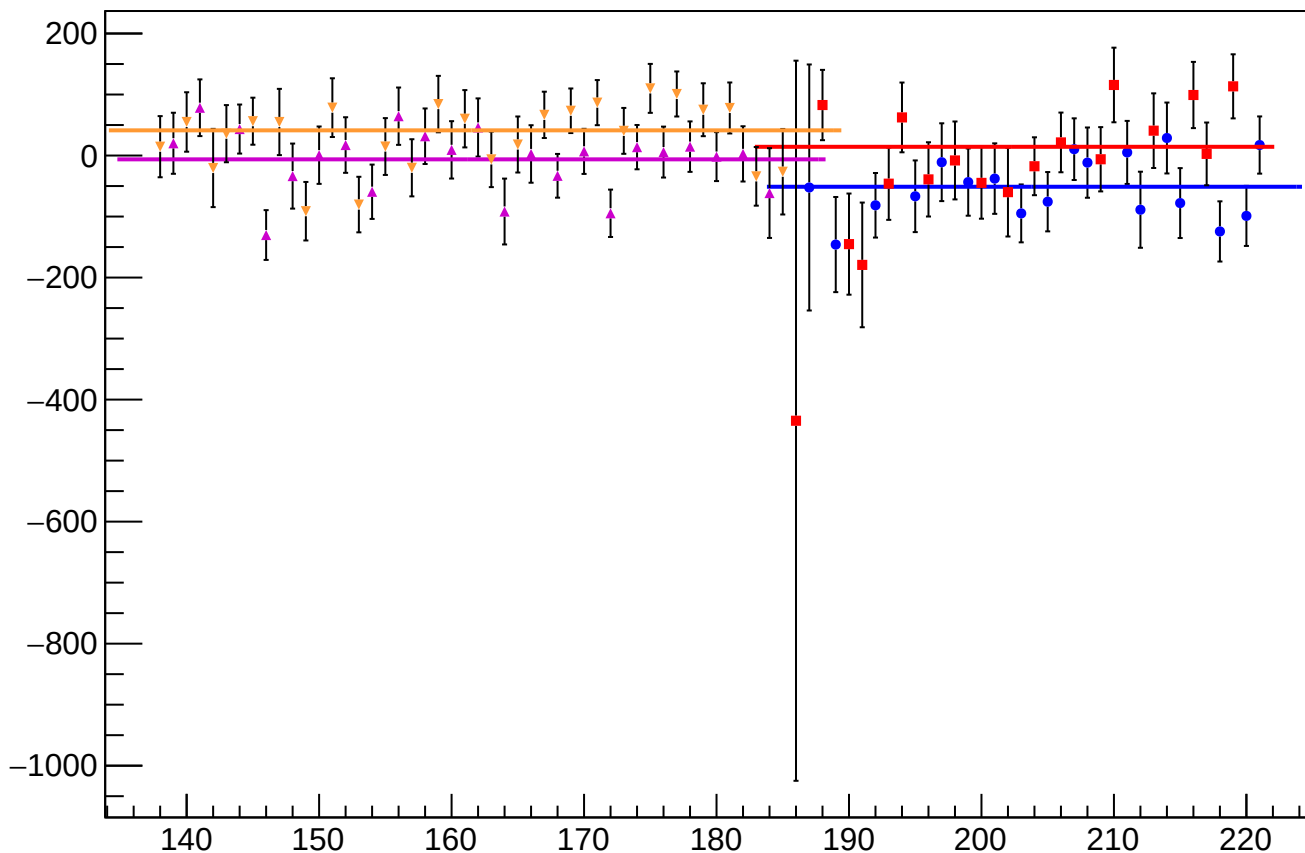
Left In: 336.439 ± 0.058 $\chi^2/\text{NDF}: 1269066.3/22$

+ sign 389.273 ± 0.053 $\chi^2/\text{NDF}: 9909988.9/42$

All: 388.339 ± 0.038 $\chi^2/\text{NDF}: 20177093.2/83$

- sign 387.341 ± 0.055 $\chi^2/\text{NDF}: 10266472.7/40$

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -51.170 ± 13.151 χ^2/NDF : 14.3/17

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: 14.322 ± 14.188 χ^2/NDF : 23.6/17

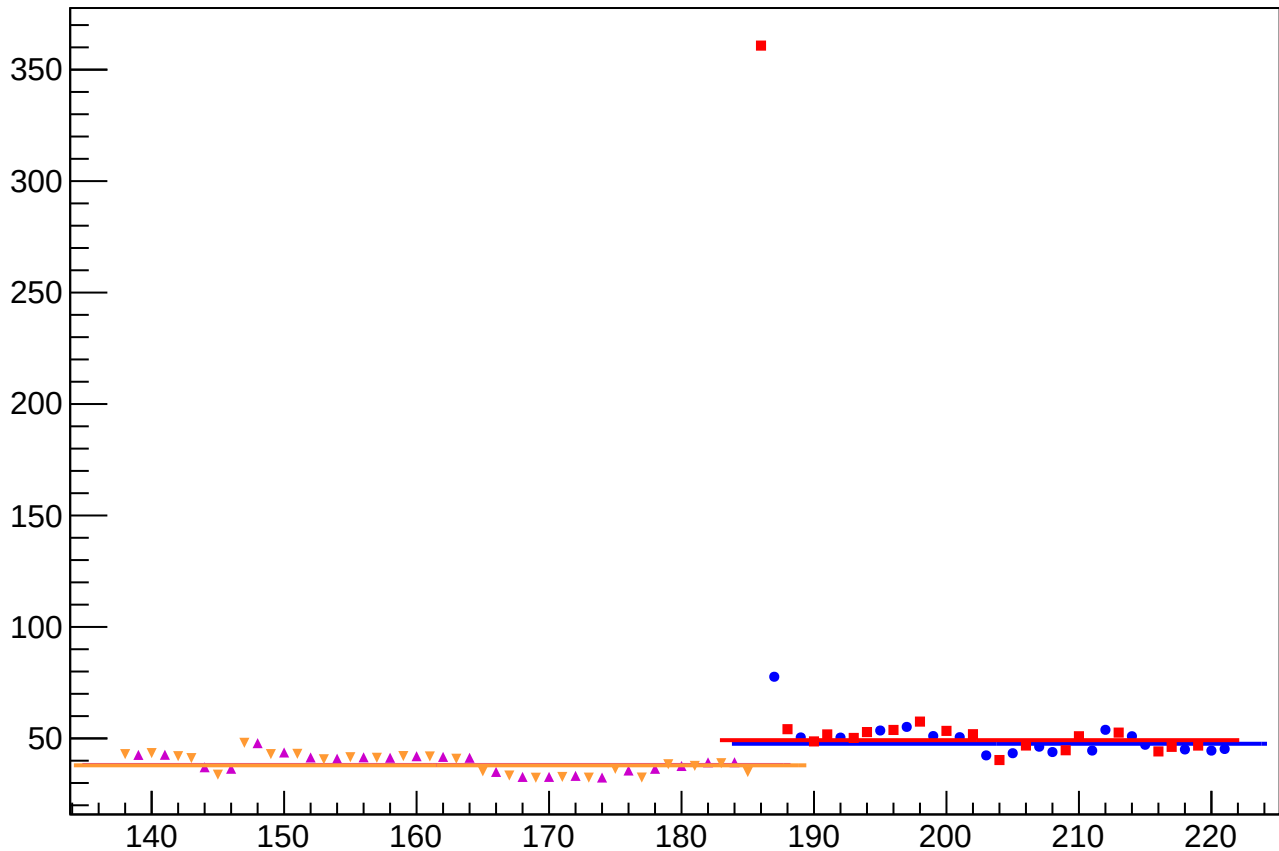
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 12.288 ± 7.365 χ^2/NDF : 82.6/42

All: 6.332 ± 5.324 χ^2/NDF : 139.4/83

- sign -0.187 ± 7.704 χ^2/NDF : 55.4/40

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 47.595 $\pm$ 0.009 χ^2 /NDF: 215685.2/17

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 49.208 $\pm$ 0.010 χ^2 /NDF: 766684.0/17

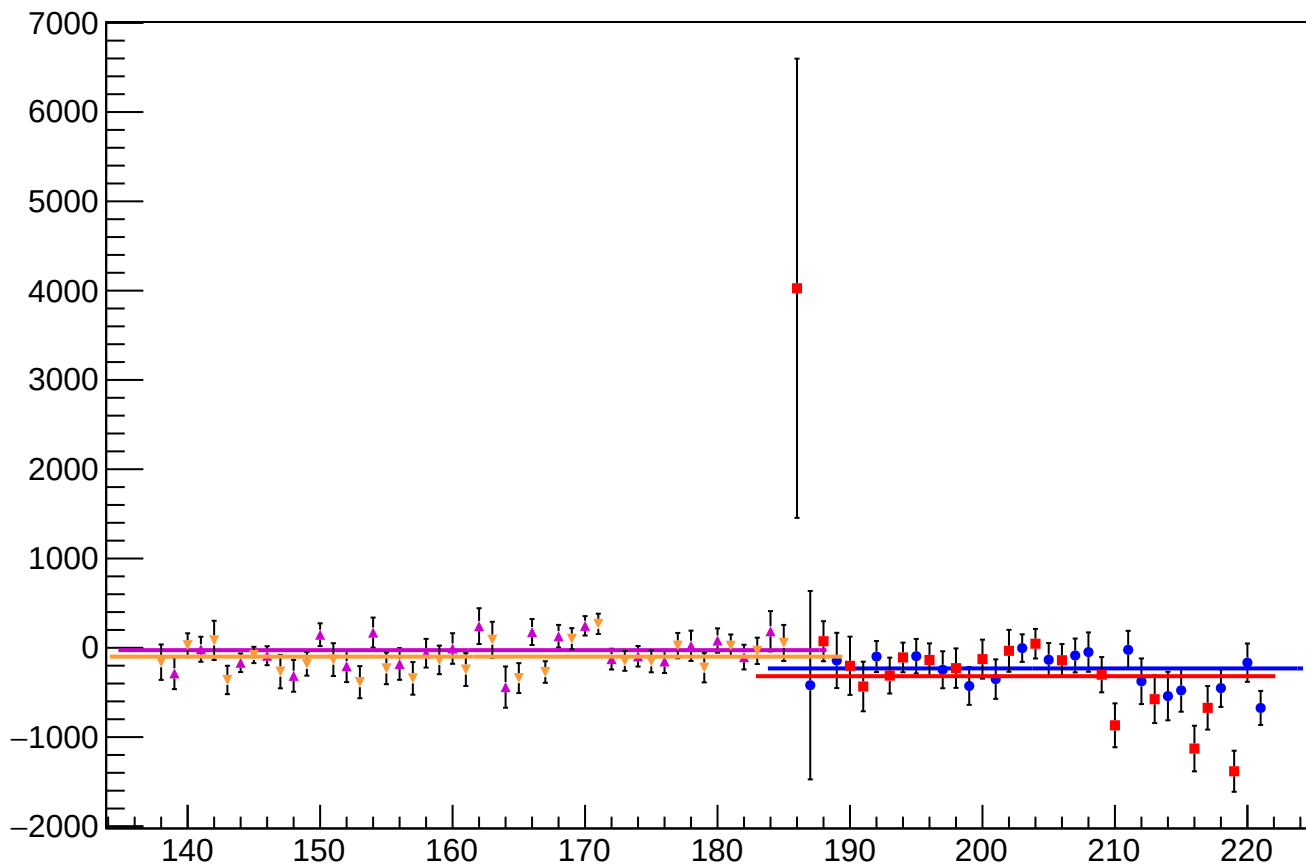
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 40.958 $\pm$ 0.005 χ^2 /NDF: 1445087.5/42

All: 41.153 $\pm$ 0.004 χ^2 /NDF: 3477549.0/83

- sign 41.367 $\pm$ 0.005 χ^2 /NDF: 2029521.2/40

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -230.948 ± 50.234 χ^2/NDF : 16.3/17

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -317.787 ± 52.247 χ^2/NDF : 56.5/17

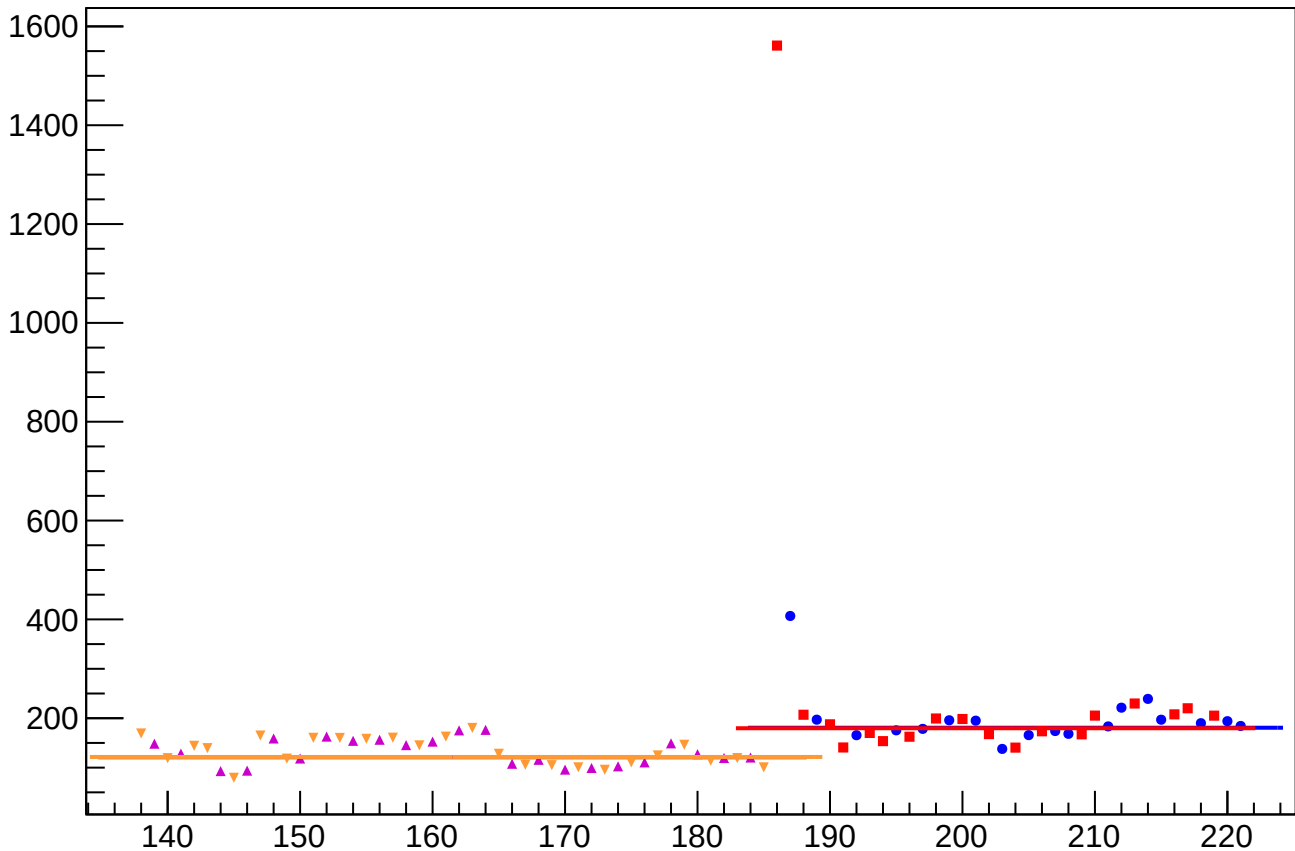
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -131.951 ± 25.177 χ^2/NDF : 54.2/42

All: -115.071 ± 18.020 χ^2/NDF : 165.8/83

- sign -97.341 ± 25.804 χ^2/NDF : 110.7/40

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 180.734 $\pm$ 0.036 χ^2 /NDF: 473097.3/17

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

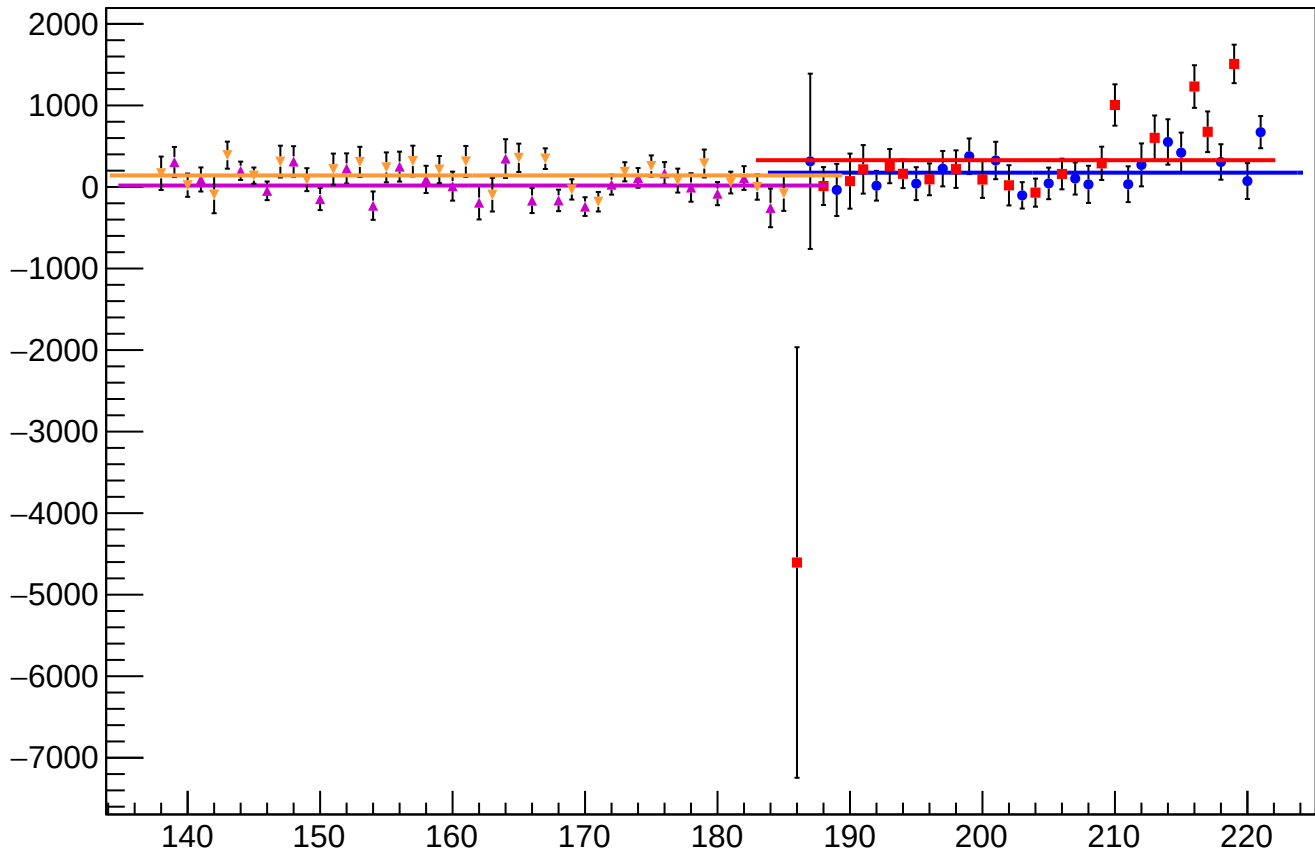
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF: 1382861.4/22

+ sign 136.448 $\pm$ 0.018 χ^2 /NDF: 4260343.0/42

All: 135.873 $\pm$ 0.013 χ^2 /NDF: 8632187.9/83

- sign 135.268 $\pm$ 0.018 χ^2 /NDF: 4369700.1/40

asym_sam_37_26_dd_mean vs Slug



Right In: 175.508 ± 52.086 χ^2/NDF : 17.3/17

Left Out: 142.014 ± 30.574 χ^2/NDF : 26.9/24

Right Out: 328.661 ± 54.371 χ^2/NDF : 64.6/17

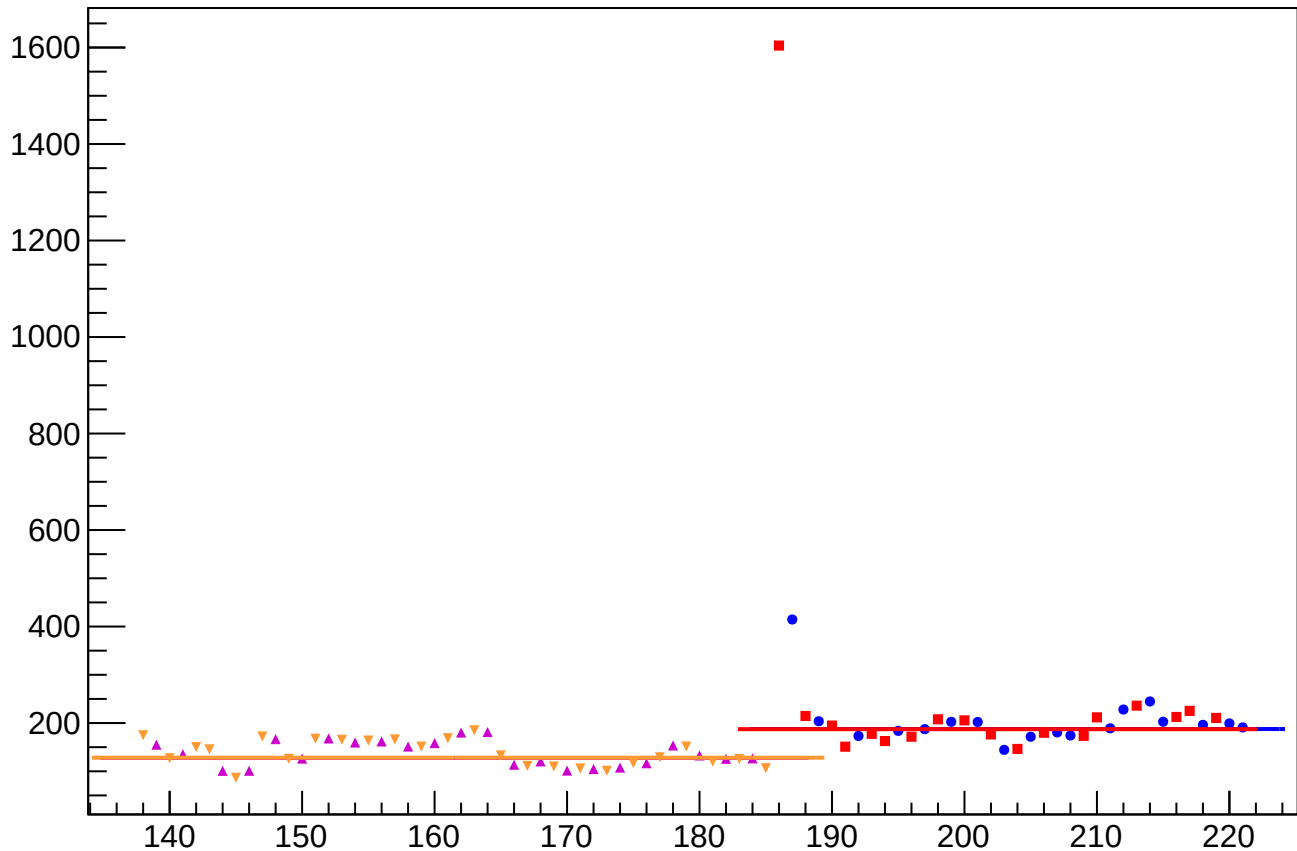
Left In: 17.679 ± 31.209 χ^2/NDF : 30.1/22

+ sign 150.597 ± 26.367 χ^2/NDF : 44.4/42

All: 123.403 ± 18.887 χ^2/NDF : 166.0/83

- sign 94.747 ± 27.067 χ^2/NDF : 119.4/40

asym_sam_37_26_dd_rms vs Slug



Right In: 187.600 $\pm$ 0.037 χ^2 /NDF: 439238.6/17

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF:1532922.0/24

Right Out: 187.333 $\pm$ 0.038 χ^2 /NDF: 1014633.8/17

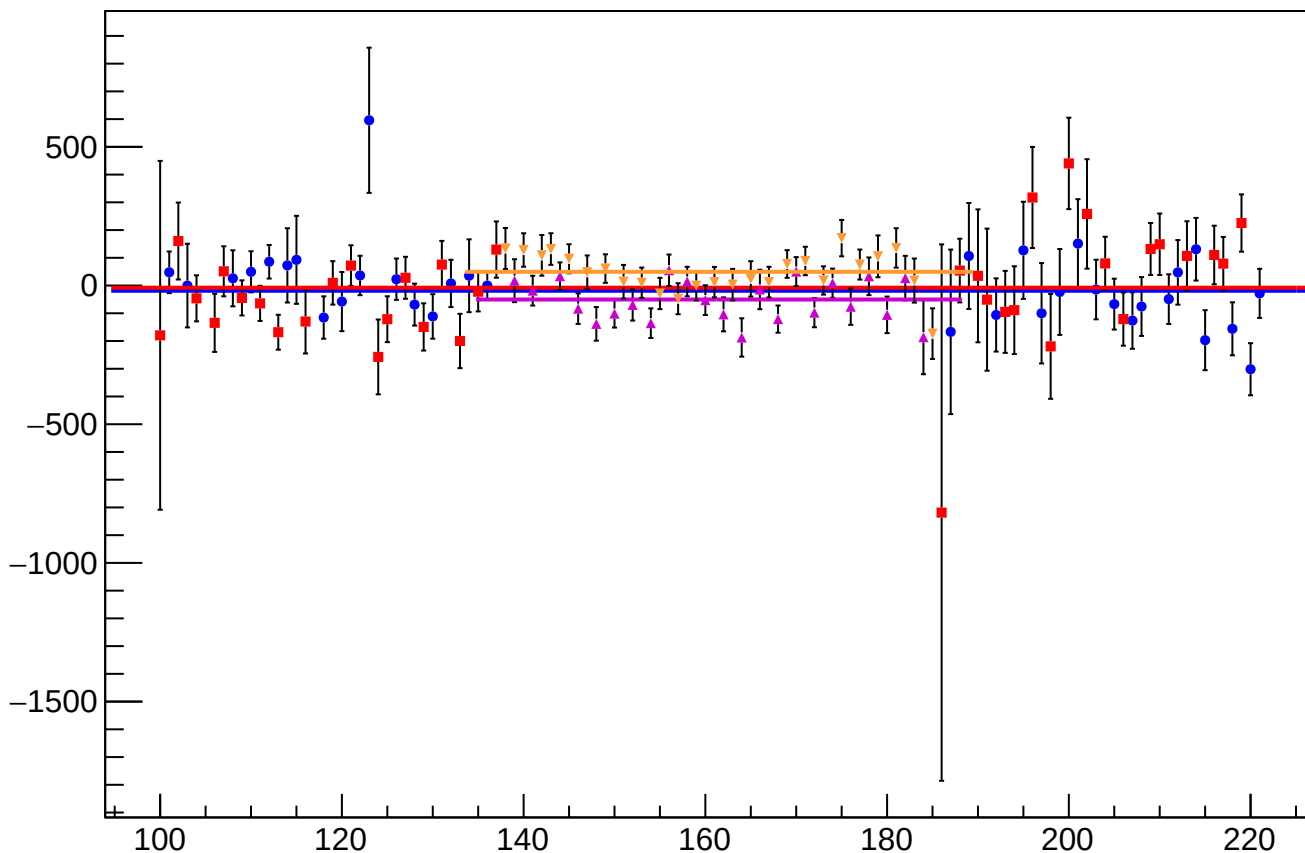
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF:1235705.3/22

+ sign 143.403 $\pm$ 0.019 χ^2 /NDF: 3908279.0/42

All: 142.896 $\pm$ 0.013 χ^2 /NDF: 7979267.1/83

- sign 142.361 $\pm$ 0.019 χ^2 /NDF: 4069465.4/40

reg_asym_sam_1357_avg_mean vs Slug



Right In: -18.742 ± 16.226 $\chi^2/\text{NDF}: 37.0/34$

Left Out: 49.402 ± 11.806 $\chi^2/\text{NDF}: 28.1/24$

Right Out: -7.771 ± 16.387 $\chi^2/\text{NDF}: 58.4/36$

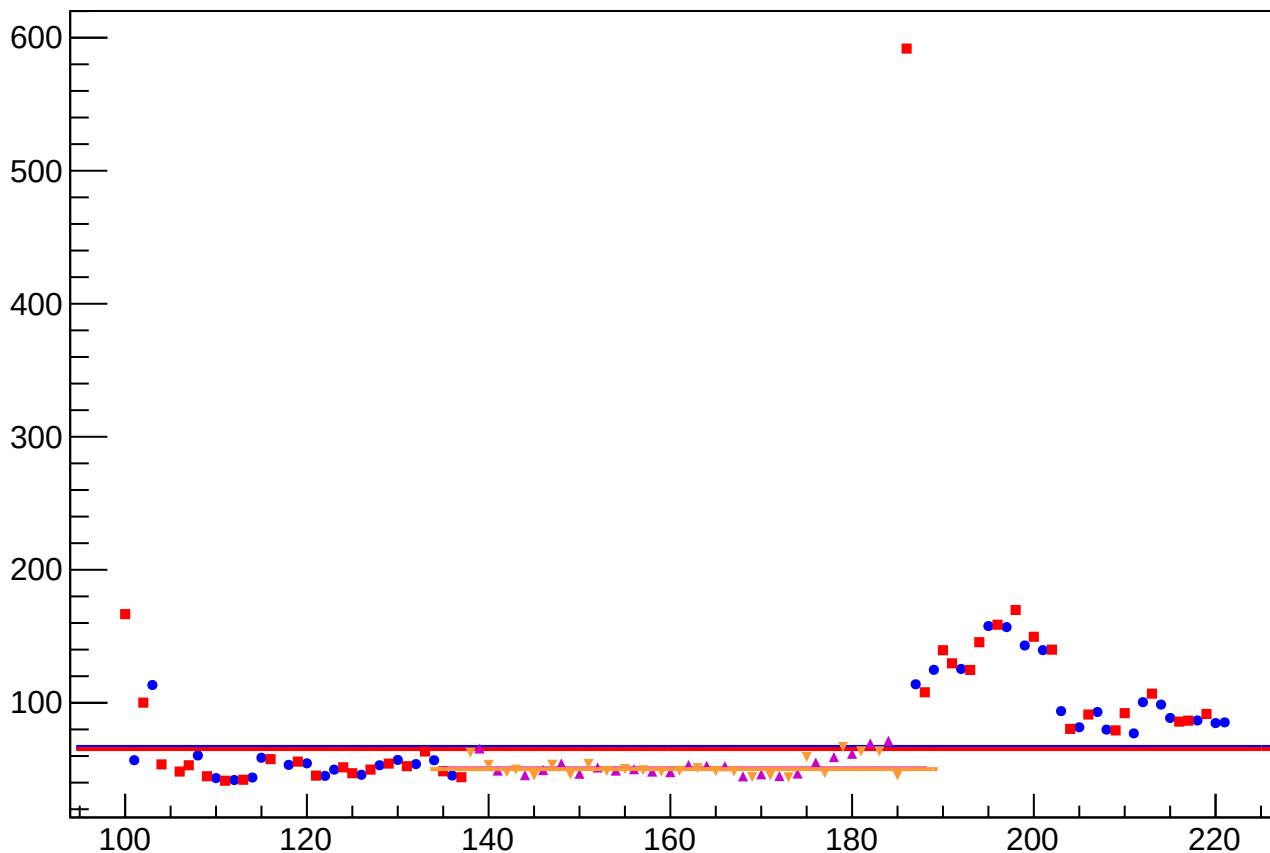
Left In: -50.331 ± 12.253 $\chi^2/\text{NDF}: 32.2/22$

+ sign 25.814 ± 9.546 $\chi^2/\text{NDF}: 76.6/59$

All: -3.787 ± 6.843 $\chi^2/\text{NDF}: 191.3/119$

- sign -35.068 ± 9.813 $\chi^2/\text{NDF}: 94.9/59$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 66.821 $\pm$ 0.011 χ^2 /NDF: 5391683.9/34

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 65.242 $\pm$ 0.012 χ^2 /NDF: 6594054.2/36

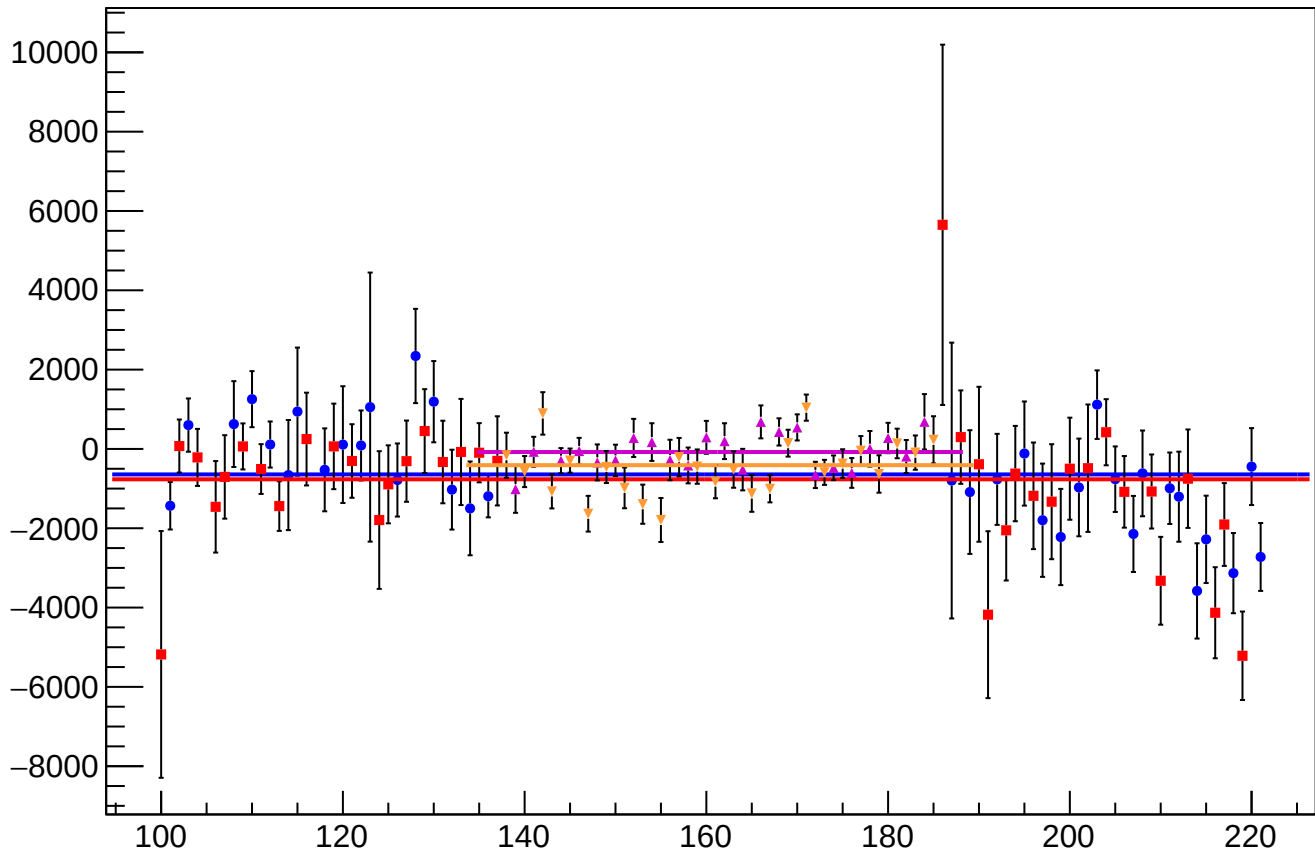
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 55.946 $\pm$ 0.007 χ^2 /NDF: 7233307.7/59

All: 55.926 $\pm$ 0.005 χ^2 /NDF: 15309196.2/119

- sign 55.904 $\pm$ 0.007 χ^2 /NDF: 8075869.6/59

asym_sam_1357_avg_correction_mean vs Slug



Right In: -642.930 ± 162.500 χ^2/NDF : 58.8/34

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -765.543 ± 165.817 χ^2/NDF : 53.0/36

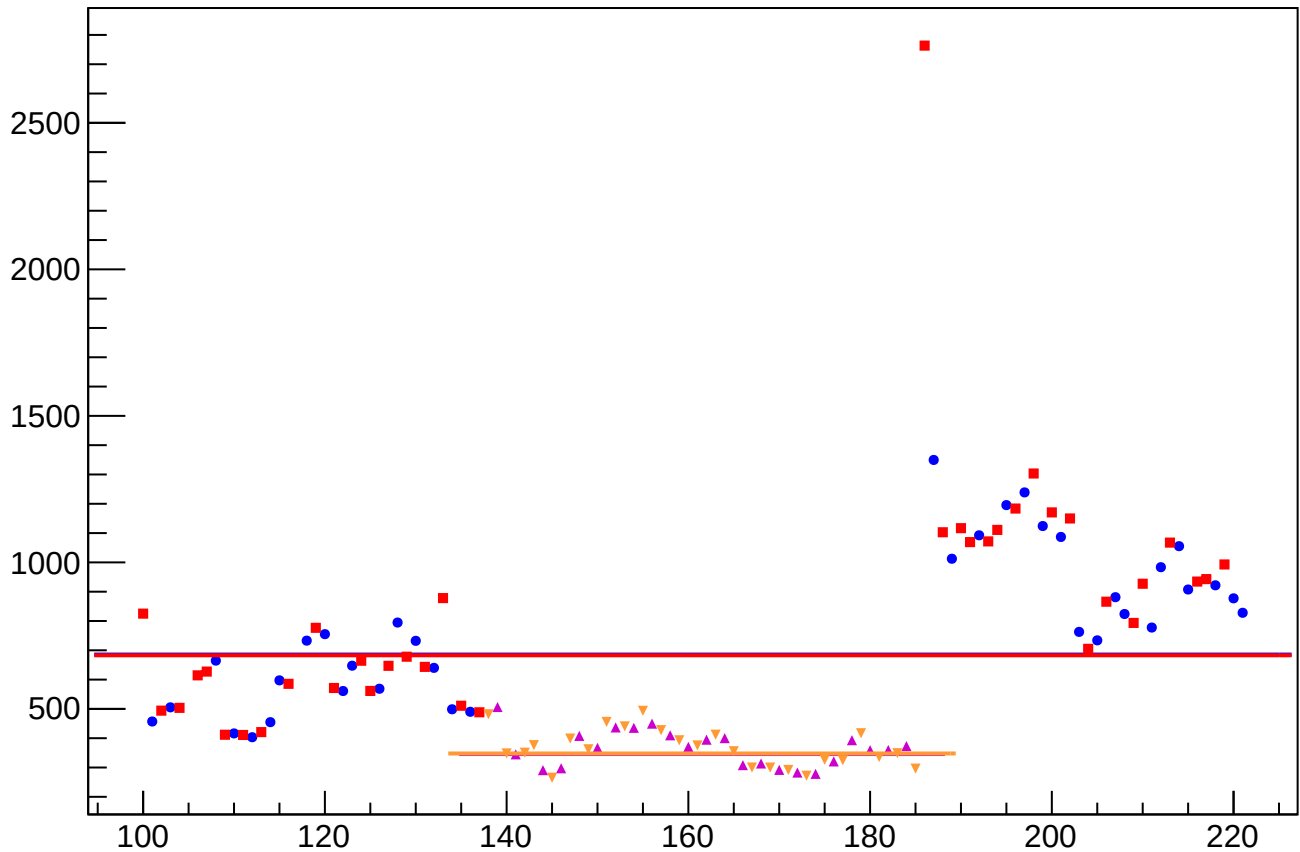
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -456.930 ± 73.455 χ^2/NDF : 122.1/59

All: -340.172 ± 52.473 χ^2/NDF : 218.7/119

- sign -218.499 ± 74.985 χ^2/NDF : 91.5/59

asym_sam_1357_avg_correction_rms vs Slug



Right In: 685.375 ± 0.115 χ^2/NDF : 3982322.7/34

Left Out: 347.875 ± 0.058 χ^2/NDF : 1044096.7/24

Right Out: 682.962 ± 0.117 χ^2/NDF : 4922869.9/36

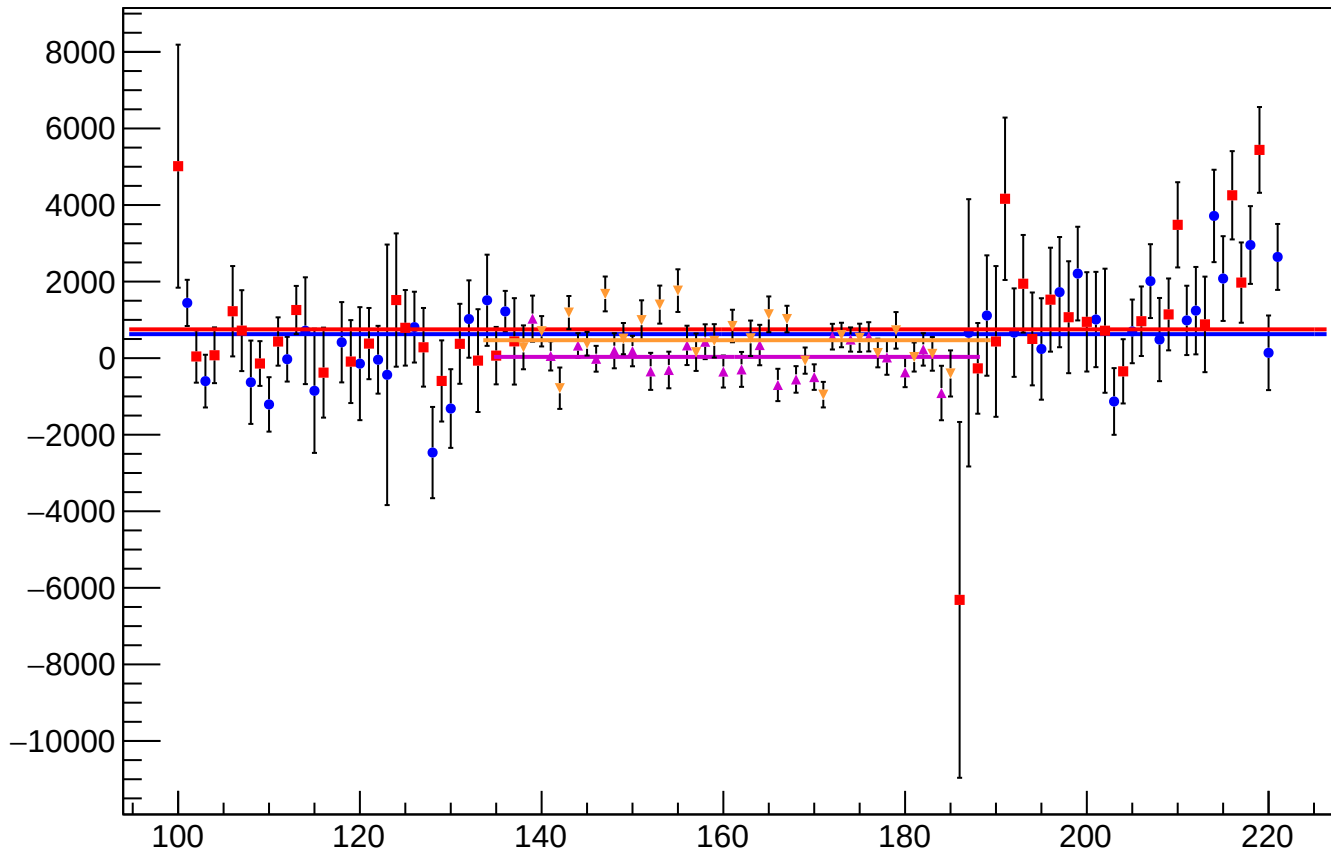
Left In: 345.954 ± 0.059 χ^2/NDF : 900847.0/22

+ sign 416.837 ± 0.052 χ^2/NDF : 11890815.1/59

All: 415.875 ± 0.037 χ^2/NDF : 24287164.5/119

- sign 414.872 ± 0.053 χ^2/NDF : 12395648.2/59

asym_sam_1357_avg_mean vs Slug



Right In: 626.679 ± 163.596 χ^2/NDF : 56.8/34

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 752.120 ± 167.026 χ^2/NDF : 55.3/36

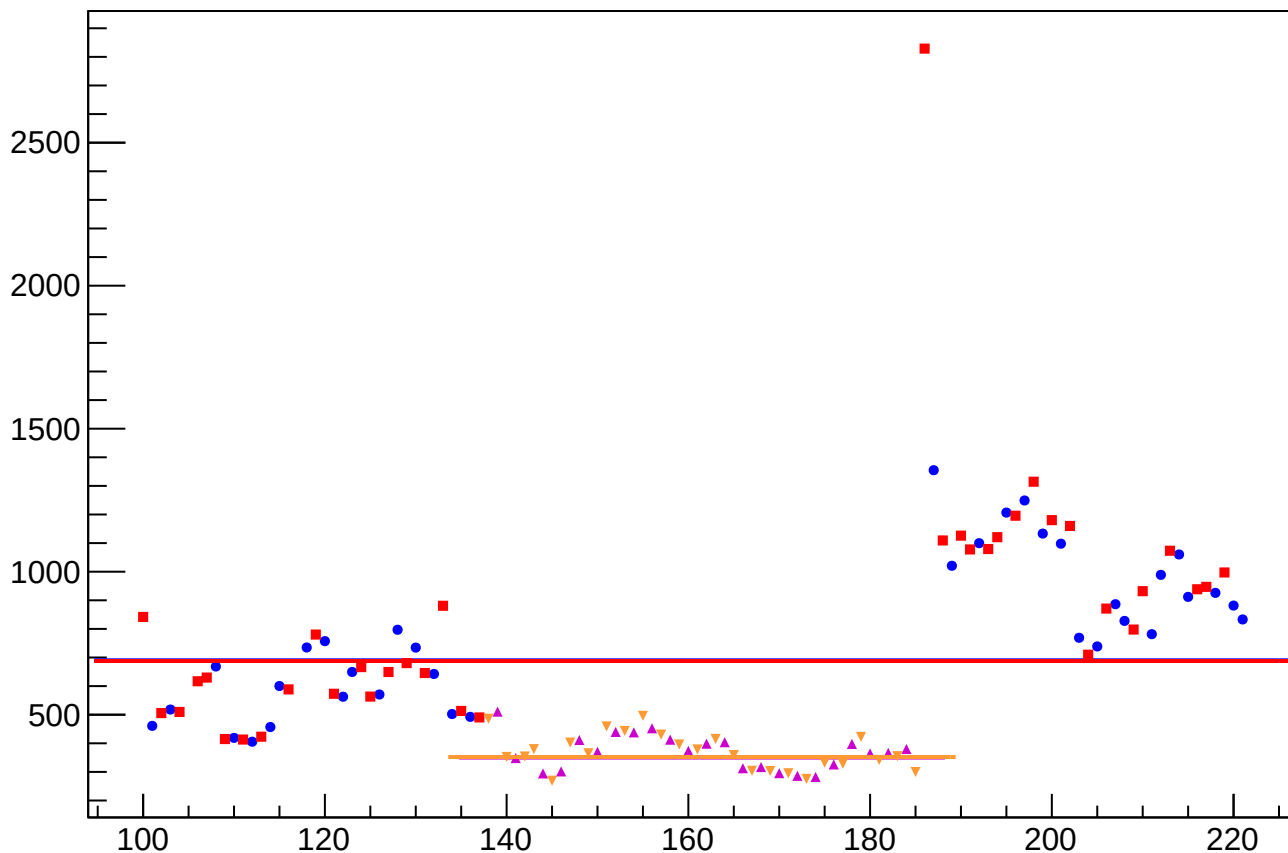
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 501.352 ± 74.228 χ^2/NDF : 115.0/59

All: 344.505 ± 53.034 χ^2/NDF : 219.8/119

- sign 180.946 ± 75.800 χ^2/NDF : 95.7/59

asym_sam_1357_avg_rms vs Slug



Right In: 690.137 ± 0.116 χ^2/NDF : 3969101.0/34

Left Out: 352.015 ± 0.059 χ^2/NDF : 1017195.6/24

Right Out: 687.820 ± 0.118 χ^2/NDF : 4915586.1/36

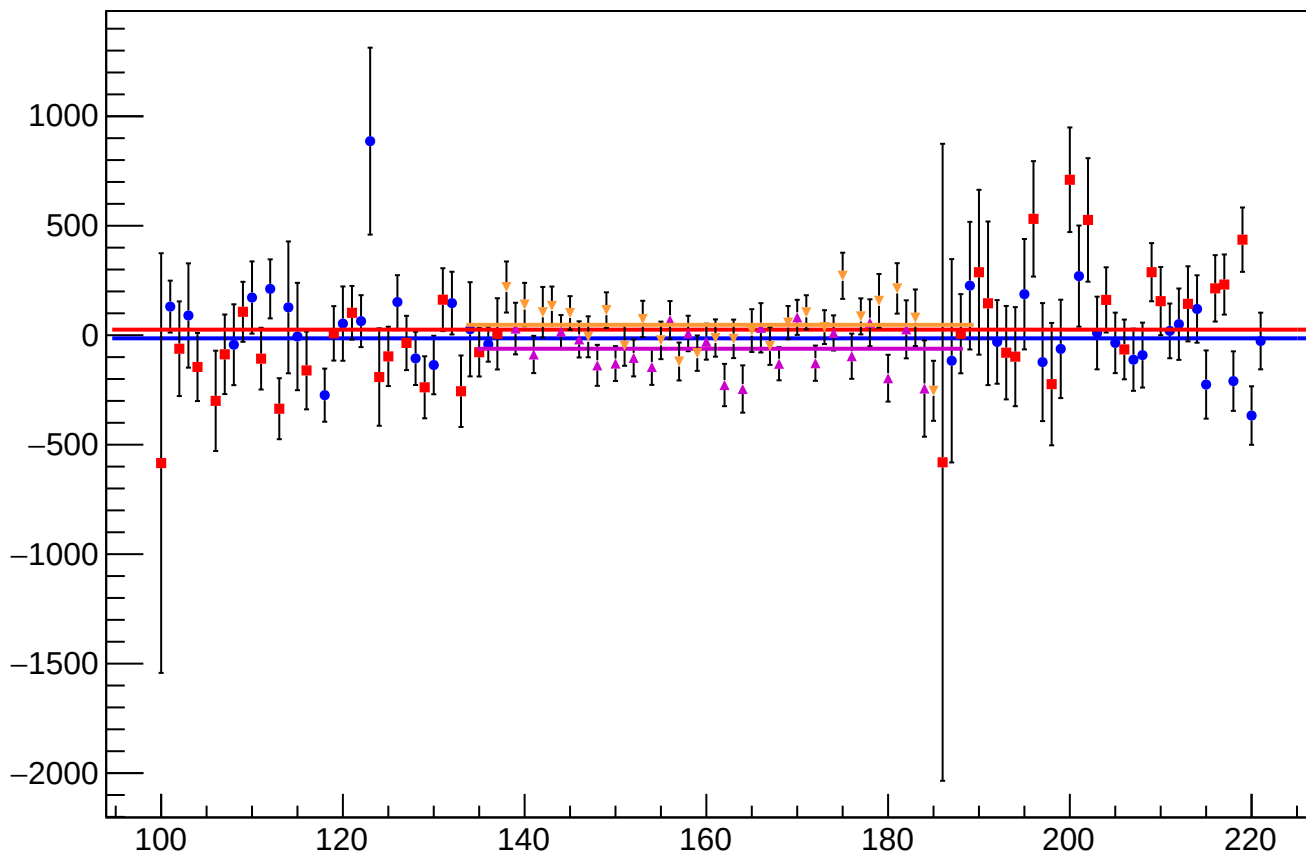
Left In: 350.160 ± 0.060 χ^2/NDF : 878380.0/22

+ sign 421.623 ± 0.052 χ^2/NDF : 11770864.7/59

All: 420.683 ± 0.038 χ^2/NDF : 24055808.6/119

- sign 419.702 ± 0.054 χ^2/NDF : 12284288.1/59

reg_asym_sam_2468_avg_mean vs Slug



Right In: -14.242 ± 25.959 χ^2/NDF : 36.0/34

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: 25.507 ± 27.284 χ^2/NDF : 59.0/36

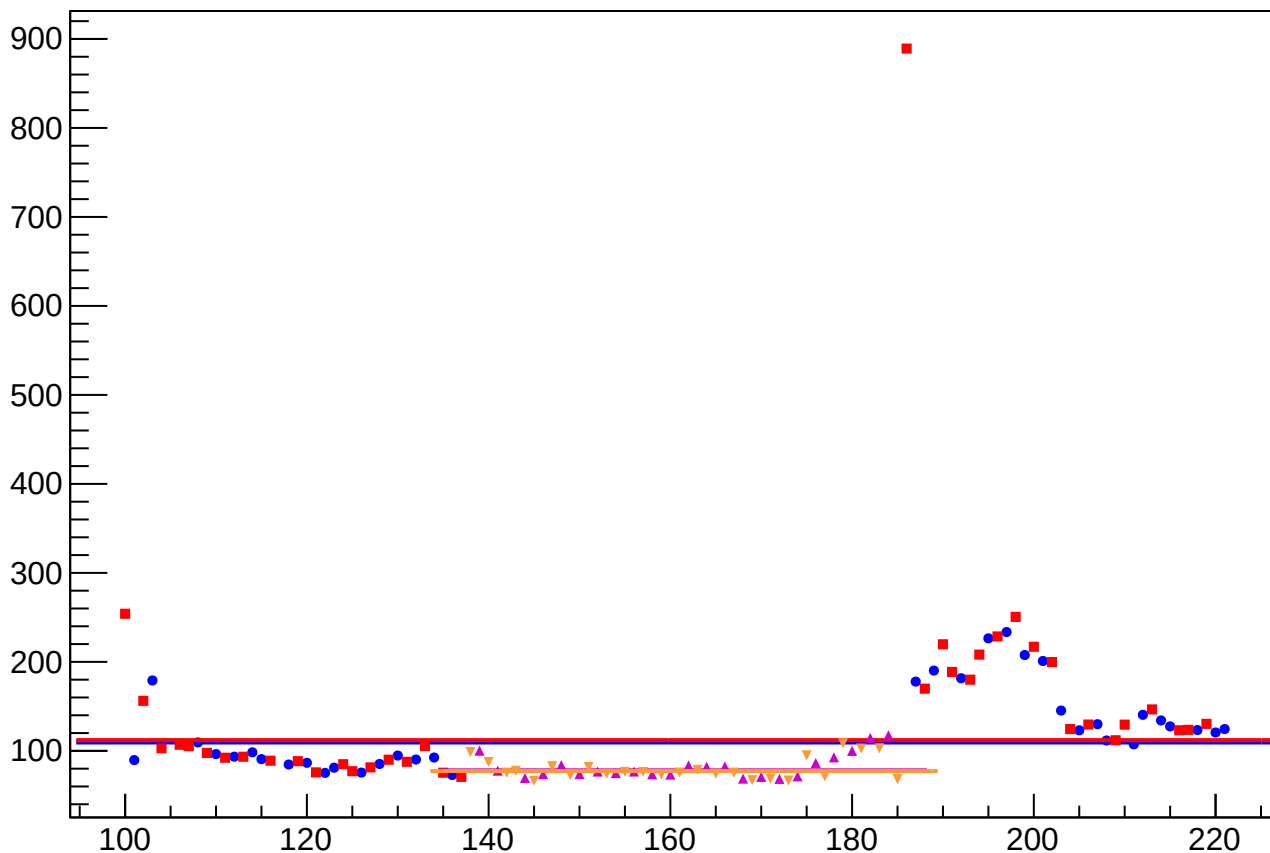
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 27.023 ± 14.931 χ^2/NDF : 69.2/59

All: -1.923 ± 10.776 χ^2/NDF : 166.9/119

- sign -33.394 ± 15.568 χ^2/NDF : 89.8/59

reg_asym_sam_2468_avg_rms vs Slug



Right In: 109.408 $\pm$ 0.018 χ^2 /NDF: 3699710.8/34

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF:635622.3/24

Right Out: 112.093 $\pm$ 0.019 χ^2 /NDF: 4513124.0/36

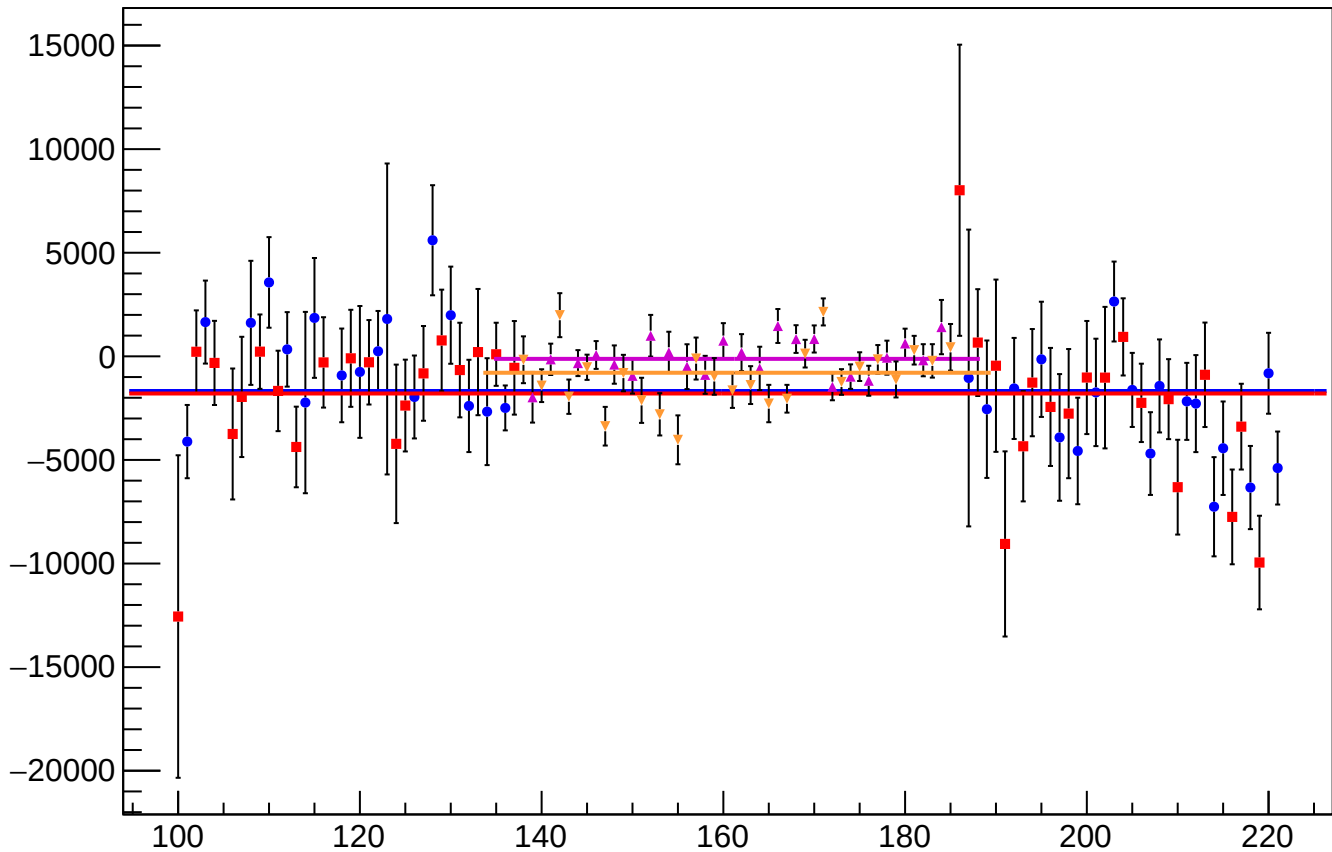
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF:582108.1/22

+ sign 87.934 $\pm$ 0.011 χ^2 /NDF: 6380810.0/59

All: 88.538 $\pm$ 0.008 χ^2 /NDF: 13571830.7/119

- sign 89.194 $\pm$ 0.011 χ^2 /NDF: 7184192.9/59

asym_sam_2468_avg_correction_mean vs Slug



Right In: -1673.563 $\pm$ 371.517 χ^2/NDF : 53.1/34

Left Out: -792.776 $\pm$ 162.659 χ^2/NDF : 66.6/24

Right Out: -1793.999 $\pm$ 389.842 χ^2/NDF : 46.2/36

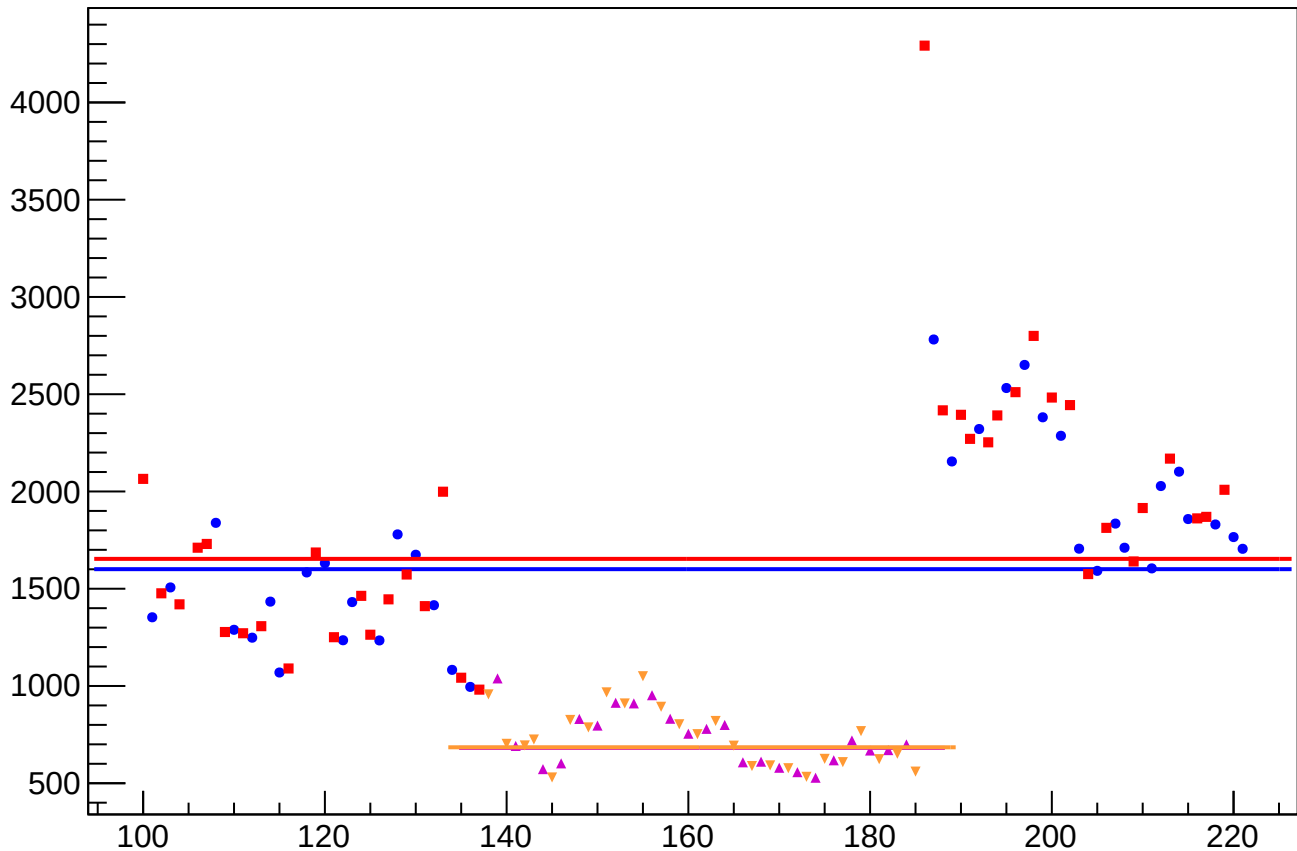
Left In: -122.198 $\pm$ 166.193 χ^2/NDF : 25.9/22

+ sign -934.455 $\pm$ 149.003 χ^2/NDF : 124.5/59

All: -664.008 $\pm$ 106.706 χ^2/NDF : 219.0/119

- sign -379.304 $\pm$ 152.881 χ^2/NDF : 87.7/59

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1600.567 ± 0.263 $\chi^2/\text{NDF}: 2447761.7/34$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

+ sign 832.093 ± 0.105 $\chi^2/\text{NDF}: 13925422.0/59$

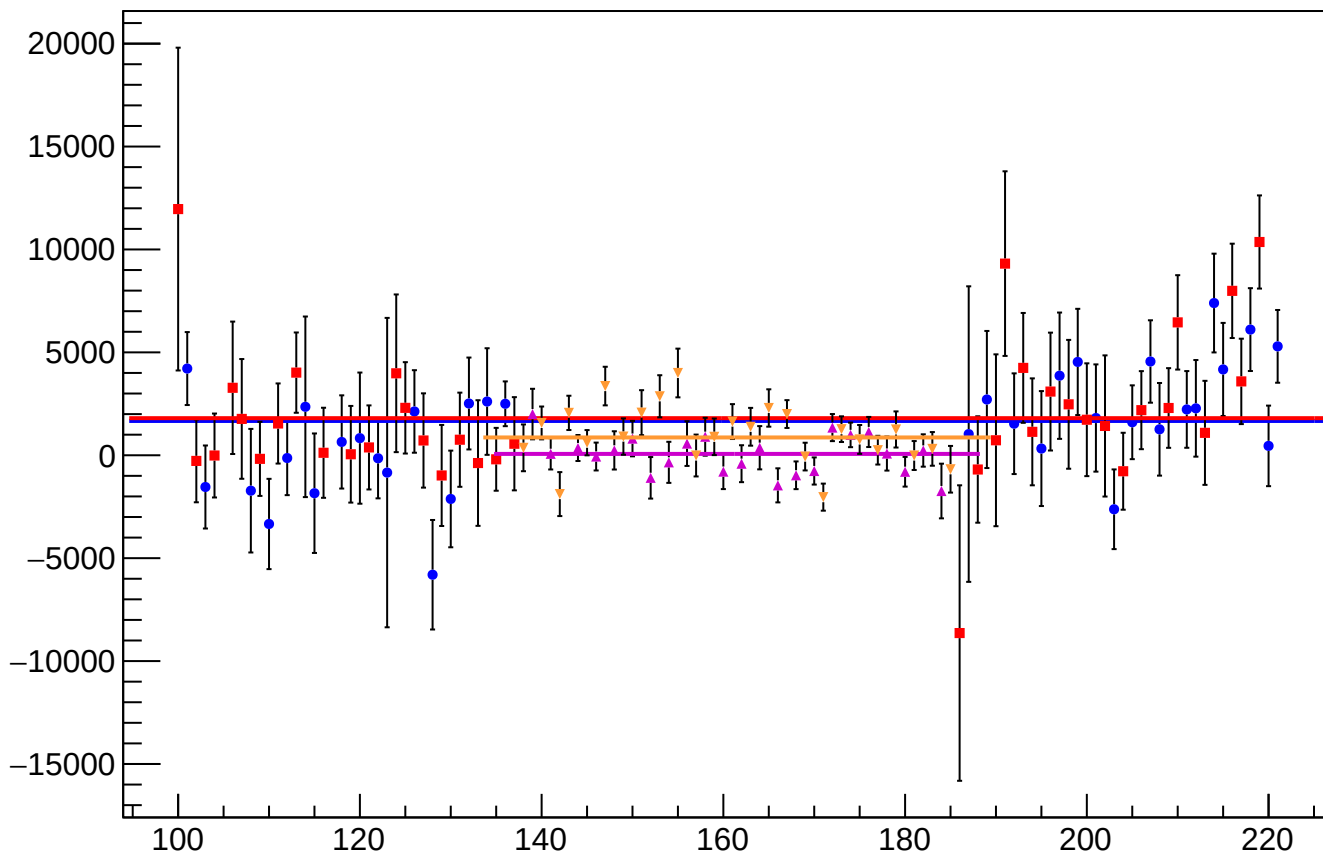
Right Out: 1653.482 ± 0.276 $\chi^2/\text{NDF}: 2905605.9/36$

All: 831.639 ± 0.075 $\chi^2/\text{NDF}: 28466869.0/13$

Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

- sign 831.161 ± 0.108 $\chi^2/\text{NDF}: 14541408.9/59$

asym_sam_2468_avg_mean vs Slug



Right In: 1667.250 $\pm$ 372.610 χ^2 /NDF: 51.9/34

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

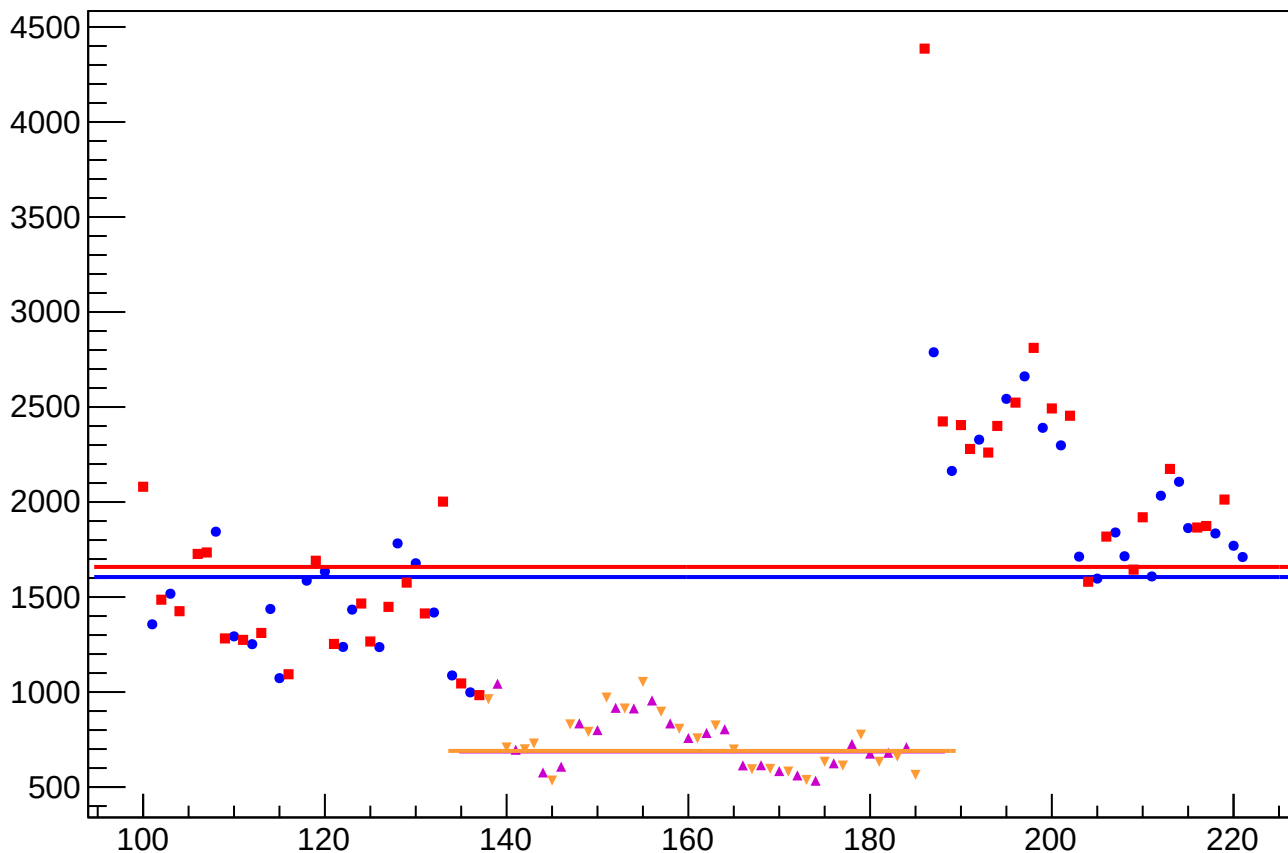
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF: 26.4/22

+ sign 995.540 $\pm$ 150.016 χ^2 /NDF: 118.6/59

All: 673.840 $\pm$ 107.445 χ^2 /NDF: 219.3/119

- sign 334.994 $\pm$ 153.962 χ^2 /NDF: 91.2/59

asym_sam_2468_avg_rms vs Slug



Right In: 1605.221 ± 0.263 $\chi^2/\text{NDF}: 2450688.9/34$

Left Out: 690.166 ± 0.116 $\chi^2/\text{NDF}: 1258158.2/24$

Right Out: 1658.392 ± 0.277 $\chi^2/\text{NDF}: 2916786.8/36$

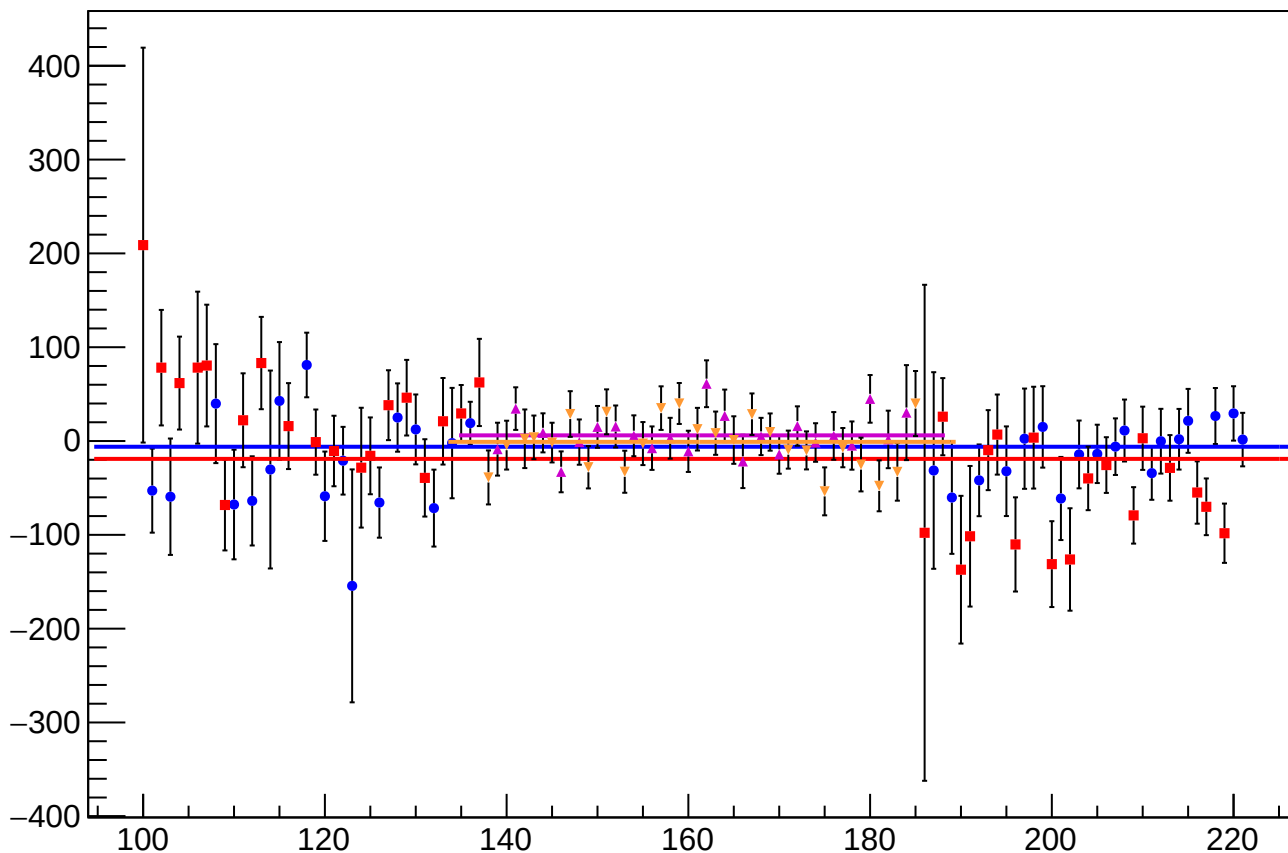
Left In: 687.216 ± 0.118 $\chi^2/\text{NDF}: 1099706.1/22$

+ sign 838.491 ± 0.106 $\chi^2/\text{NDF}: 13815579.7/59$

All: 838.111 ± 0.076 $\chi^2/\text{NDF}: 28252828.9/1$

- sign 837.711 ± 0.109 $\chi^2/\text{NDF}: 14437222.8/59$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -6.098 ± 6.545 χ^2/NDF : 30.9/34

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: -19.025 ± 6.980 χ^2/NDF : 62.4/36

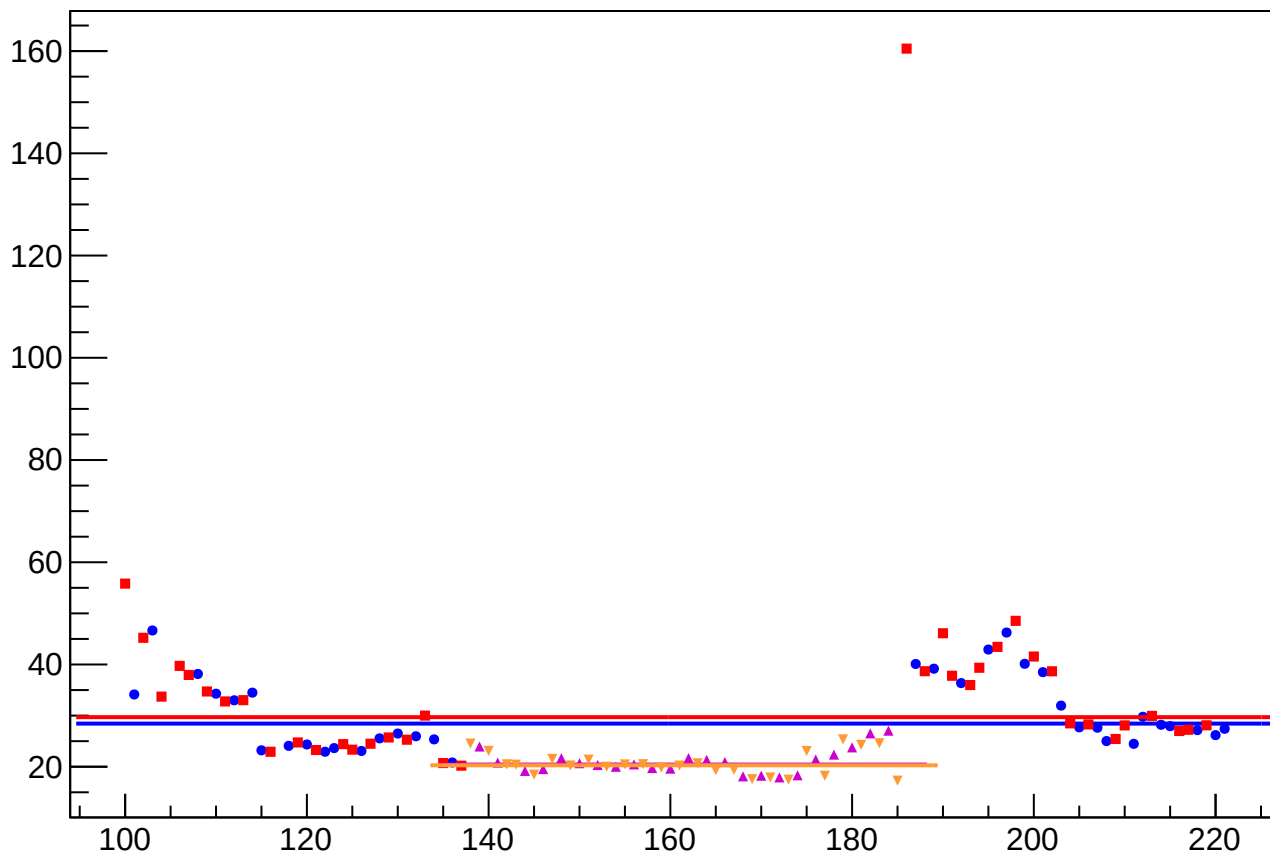
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -2.673 ± 3.850 χ^2/NDF : 59.2/59

All: -2.490 ± 2.782 χ^2/NDF : 147.1/119

- sign -2.291 ± 4.024 χ^2/NDF : 88.0/59

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.438 ± 0.005 $\chi^2/\text{NDF}: 1634862.4/34$

Left Out: 20.279 ± 0.003 $\chi^2/\text{NDF}: 407056.4/24$

Right Out: 29.697 ± 0.005 $\chi^2/\text{NDF}: 2322077.1/36$

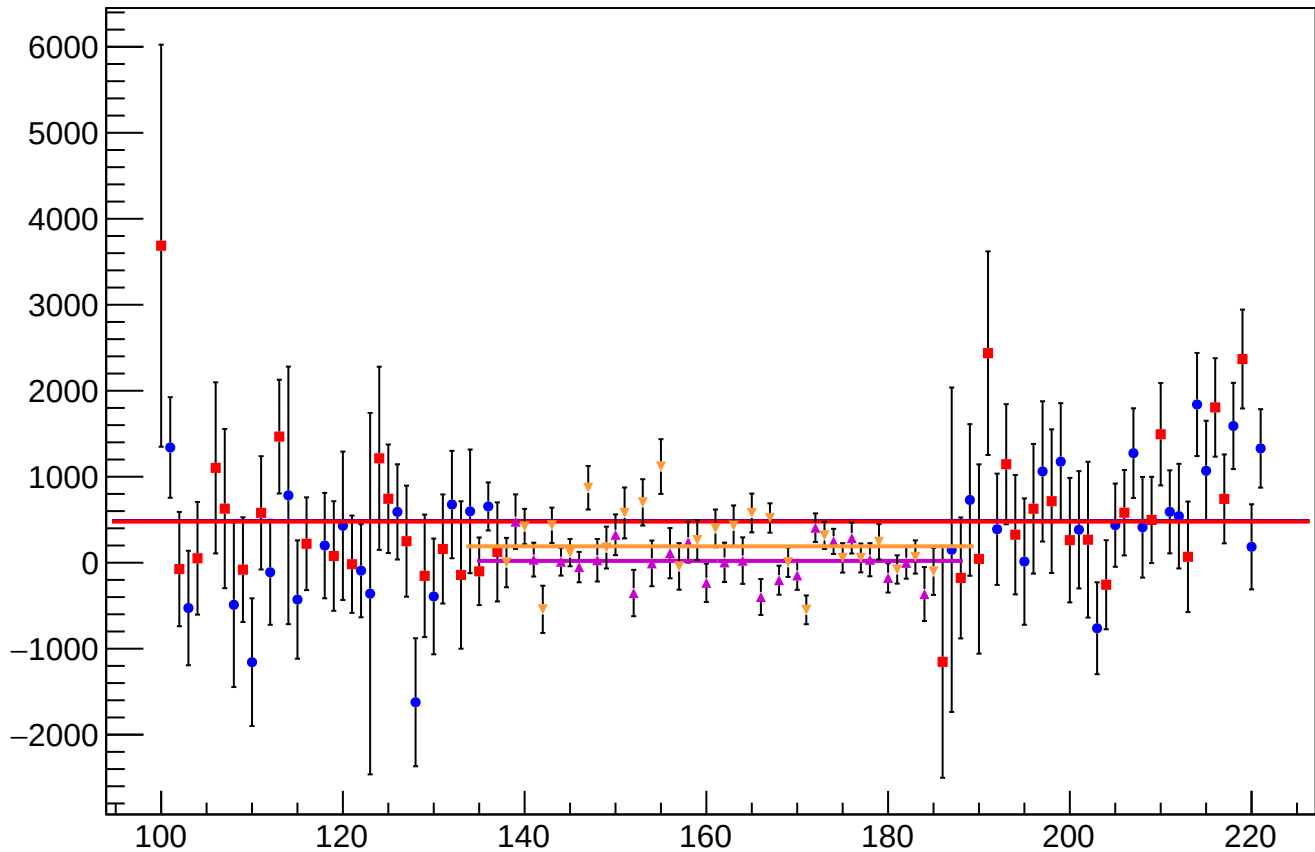
Left In: 20.424 ± 0.003 $\chi^2/\text{NDF}: 323427.4/22$

+ sign 23.102 ± 0.003 $\chi^2/\text{NDF}: 4074091.0/59$

All: 23.295 ± 0.002 $\chi^2/\text{NDF}: 9087253.0/119$

- sign 23.507 ± 0.003 $\chi^2/\text{NDF}: 5002579.5/59$

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 484.749 ± 101.486 χ^2/NDF : 49.6/34

Left Out: 190.867 ± 41.314 χ^2/NDF : 67.9/24

Right Out: 478.240 ± 108.020 χ^2/NDF : 41.1/36

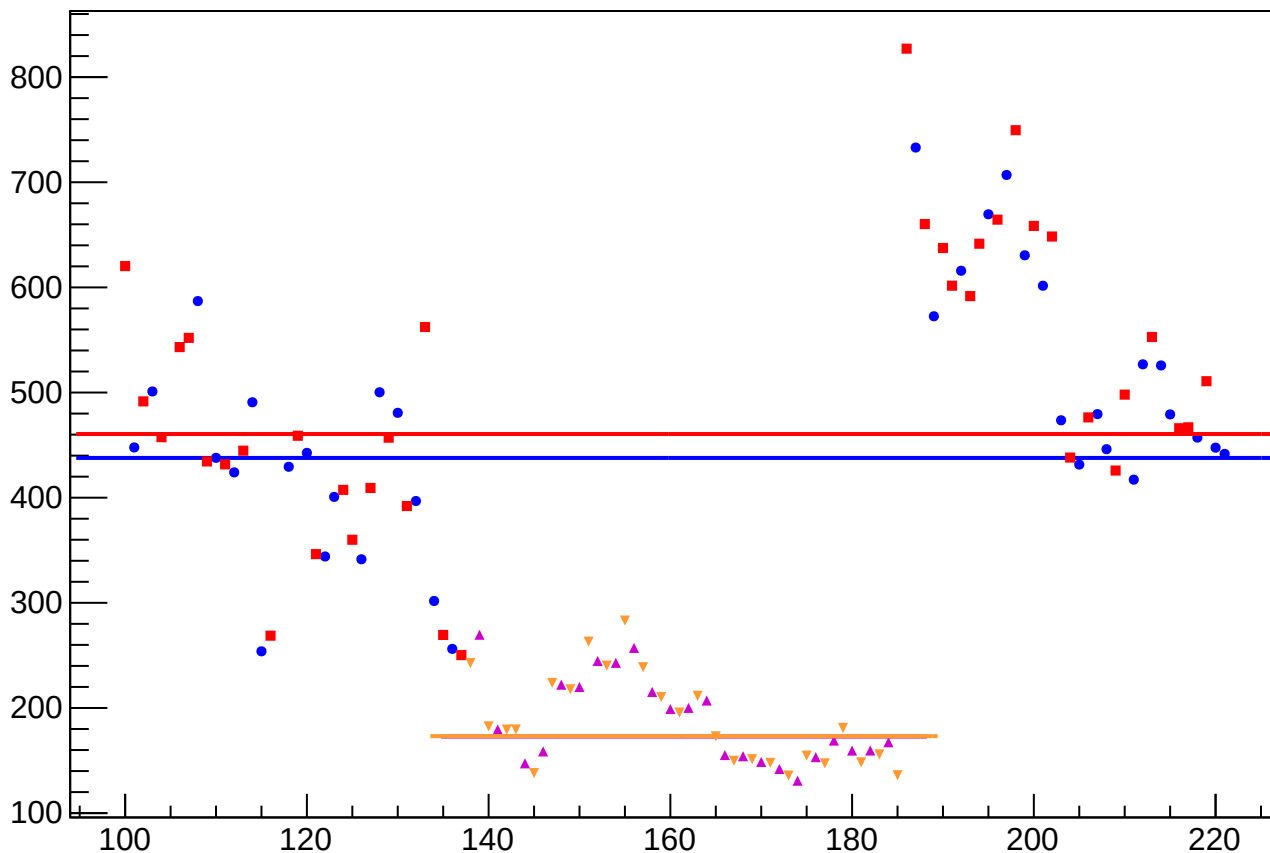
Left In: 20.998 ± 42.291 χ^2/NDF : 27.7/22

+ sign 232.646 ± 38.265 χ^2/NDF : 124.6/59

All: 159.375 ± 27.443 χ^2/NDF : 216.5/119

- sign 81.769 ± 39.380 χ^2/NDF : 84.3/59

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 437.822 $\pm$ 0.072 χ^2 /NDF: 2347836.9/34

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF:1561250.6/24

Right Out: 460.551 $\pm$ 0.076 χ^2 /NDF: 2545073.7/36

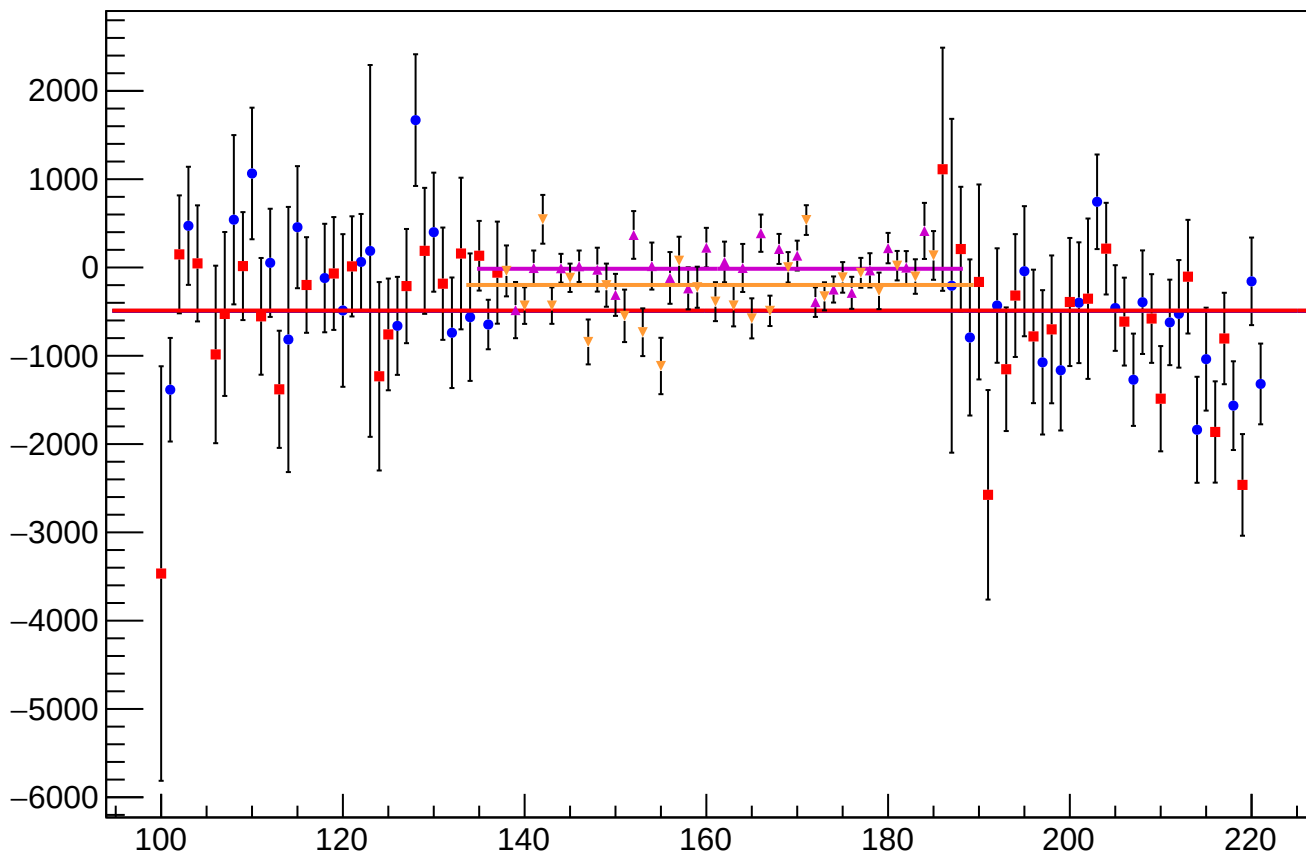
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF:1372131.7/22

+ sign 210.828 $\pm$ 0.027 χ^2 /NDF: 15573010.9/59

All: 210.945 $\pm$ 0.019 χ^2 /NDF: 31794109.5/1

- sign 211.068 $\pm$ 0.028 χ^2 /NDF: 16221060.2/59

asym_sam_1357_2468_dd_mean vs Slug



Right In: -492.116 ± 101.731 $\chi^2/\text{NDF}: 48.7/34$

Left Out: -197.918 ± 41.638 $\chi^2/\text{NDF}: 64.3/24$

Right Out: -487.951 ± 108.301 $\chi^2/\text{NDF}: 42.7/36$

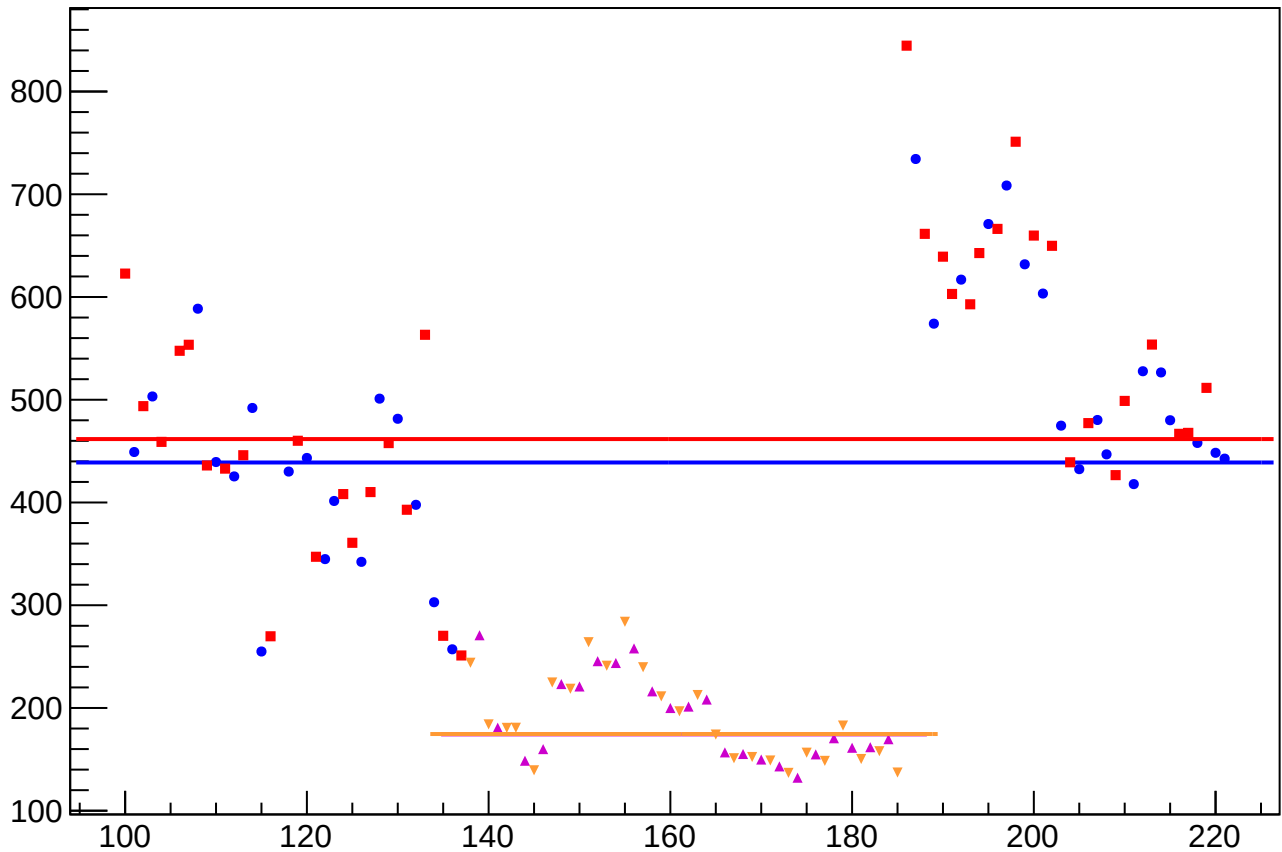
Left In: -14.616 ± 42.629 $\chi^2/\text{NDF}: 27.7/22$

+ sign -240.131 ± 38.535 $\chi^2/\text{NDF}: 120.1/59$

All: -161.467 ± 27.640 $\chi^2/\text{NDF}: 215.7/119$

- sign -78.114 ± 39.667 $\chi^2/\text{NDF}: 86.9/59$

asym_sam_1357_2468_dd_rms vs Slug



Right In: 438.933+/-0.072 χ^2/NDF : 2340012.7/34

Left Out: 174.648+/-0.029 χ^2/NDF :1531999.5/24

Right Out: 461.725+/-0.077 χ^2/NDF : 2547187.7/36

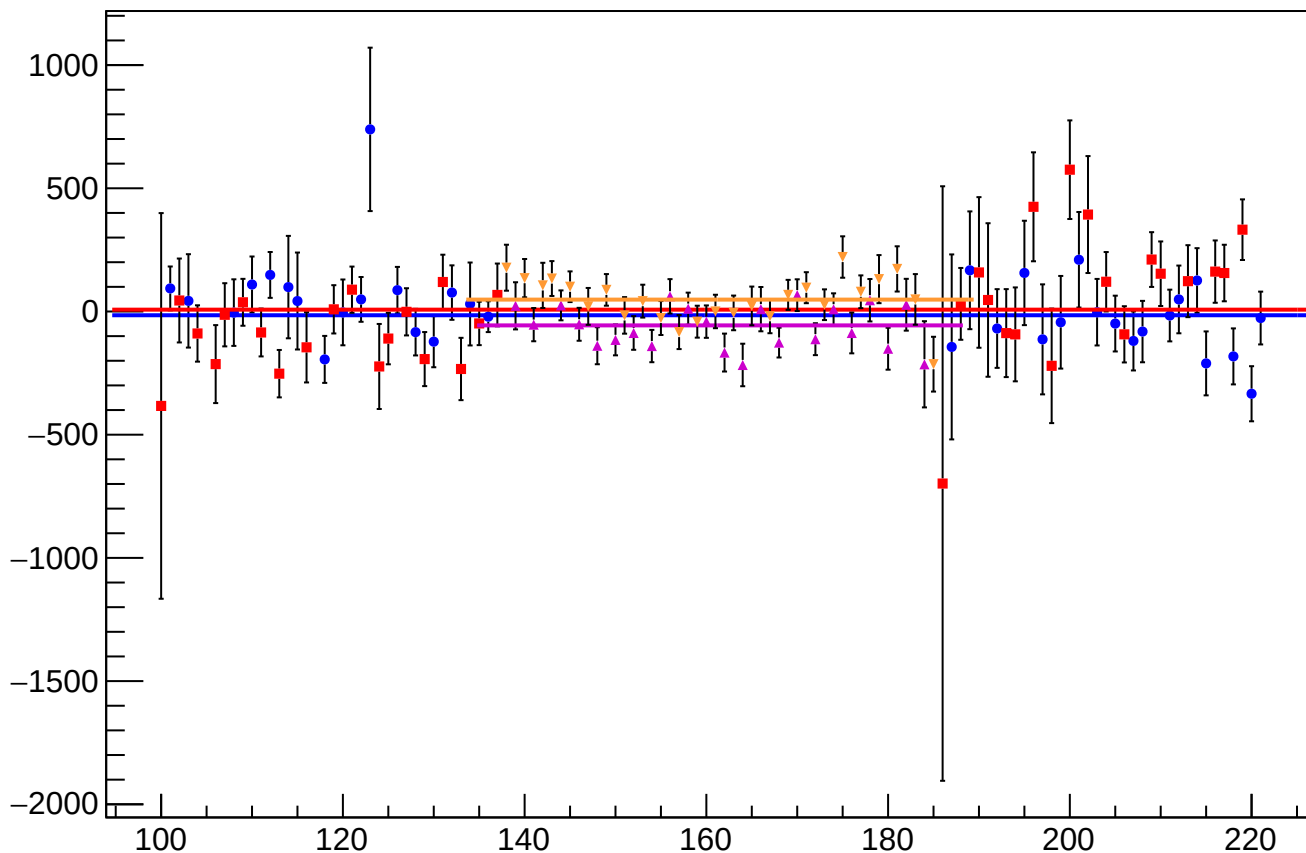
Left In: 174.288+/-0.030 χ^2/NDF :1344779.5/22

+ sign 212.569+/-0.027 χ^2/NDF : 15433146.5/59

All: 212.705+/-0.020 χ^2/NDF : 31523278.6/119

- sign 212.848+/-0.028 χ^2/NDF : 16090081.1/59

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -15.275 ± 20.536 $\chi^2/\text{NDF}: 37.1/34$

Left Out: 48.233 ± 14.616 $\chi^2/\text{NDF}: 29.3/24$

Right Out: 7.449 ± 21.305 $\chi^2/\text{NDF}: 58.3/36$

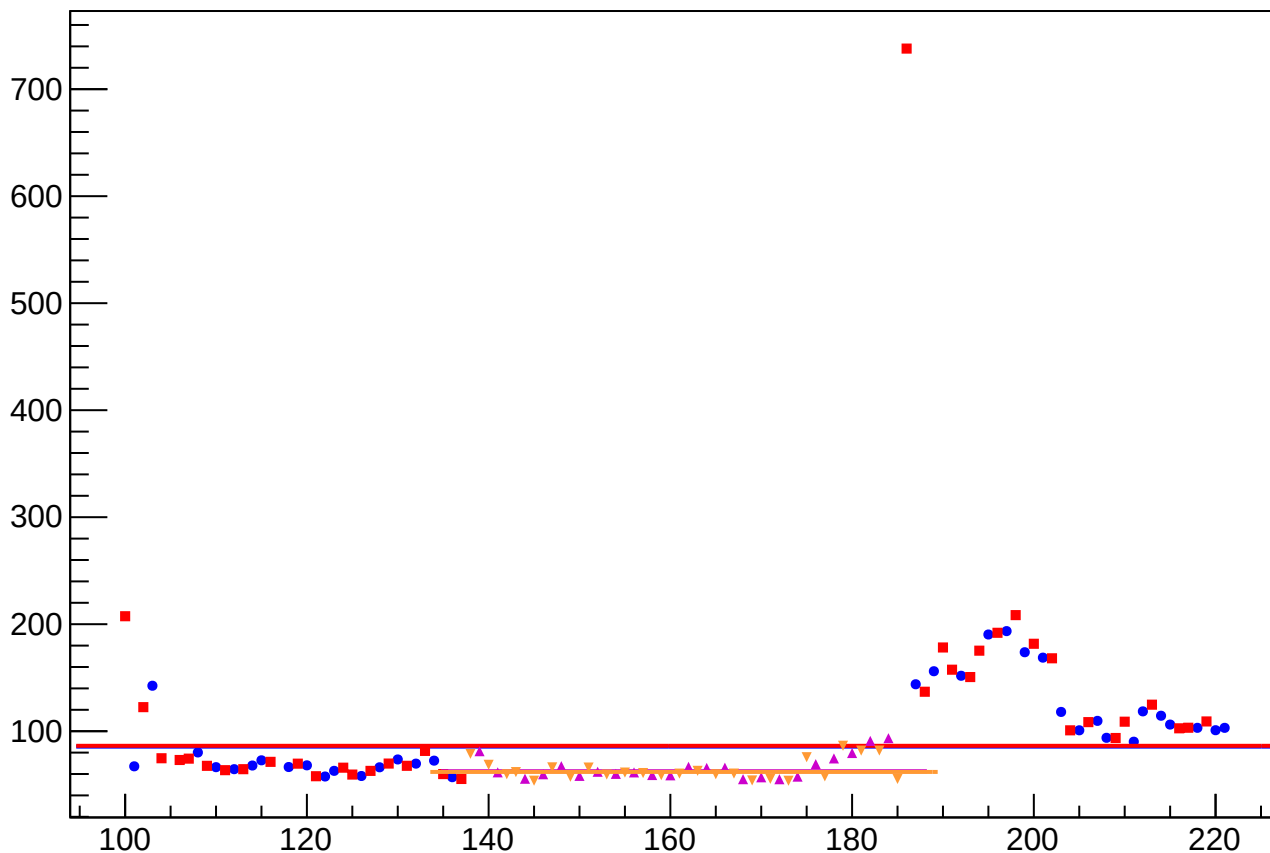
Left In: -56.403 ± 15.182 $\chi^2/\text{NDF}: 27.5/22$

+ sign 26.881 ± 11.908 $\chi^2/\text{NDF}: 72.8/59$

All: -2.848 ± 8.577 $\chi^2/\text{NDF}: 177.4/119$

- sign -34.899 ± 12.364 $\chi^2/\text{NDF}: 91.7/59$

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 85.597 $\pm$ 0.015 χ^2 /NDF: 4492258.2/34

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 86.349 $\pm$ 0.015 χ^2 /NDF: 5388418.1/36

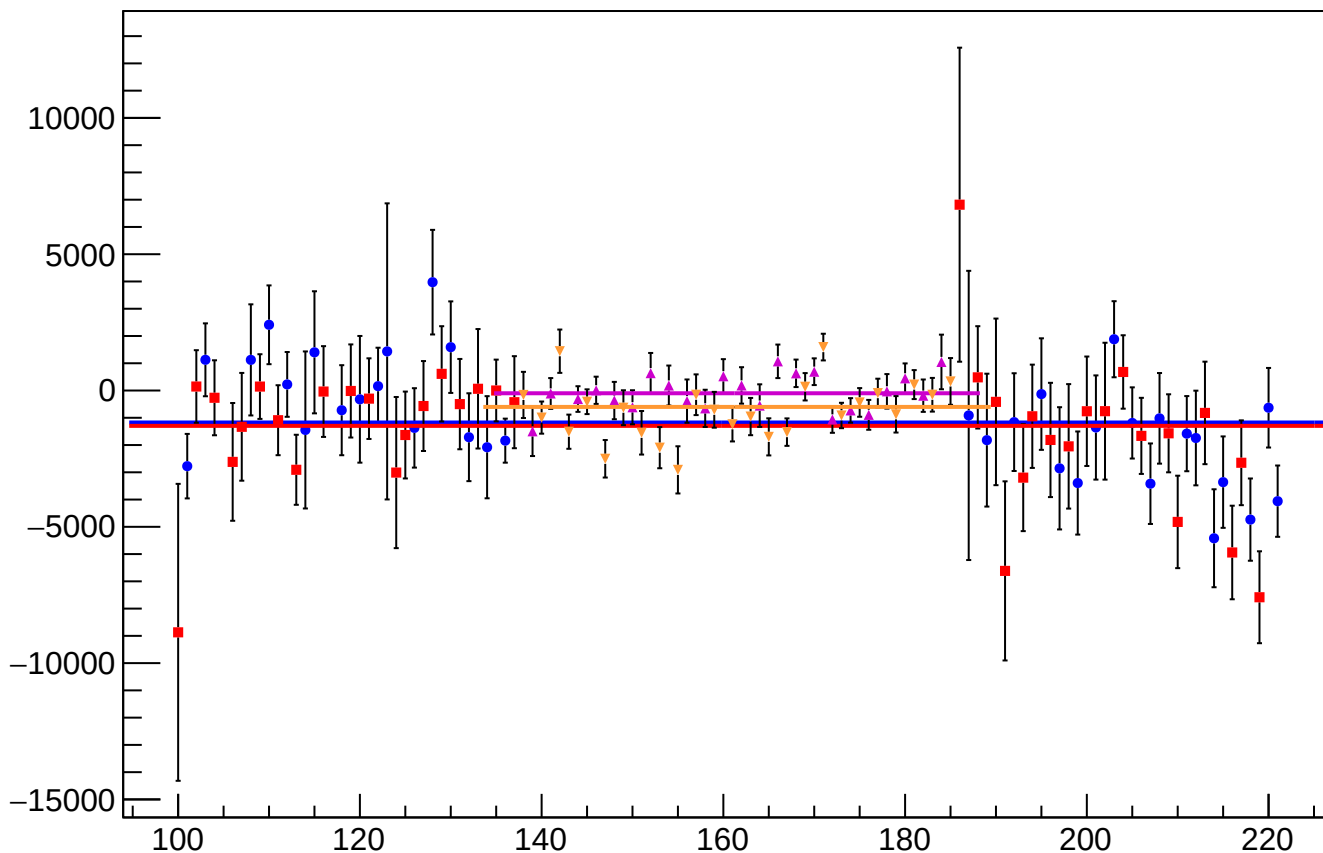
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 69.898 $\pm$ 0.008 χ^2 /NDF: 6857969.1/59

All: 70.237 $\pm$ 0.006 χ^2 /NDF: 14472492.6/119

- sign 70.603 $\pm$ 0.009 χ^2 /NDF: 7611152.2/59

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -1173.126 ± 268.647 χ^2/NDF : 54.7/34

Left Out: -601.486 ± 122.119 χ^2/NDF : 65.4/24

Right Out: -1296.537 ± 279.851 χ^2/NDF : 48.2/36

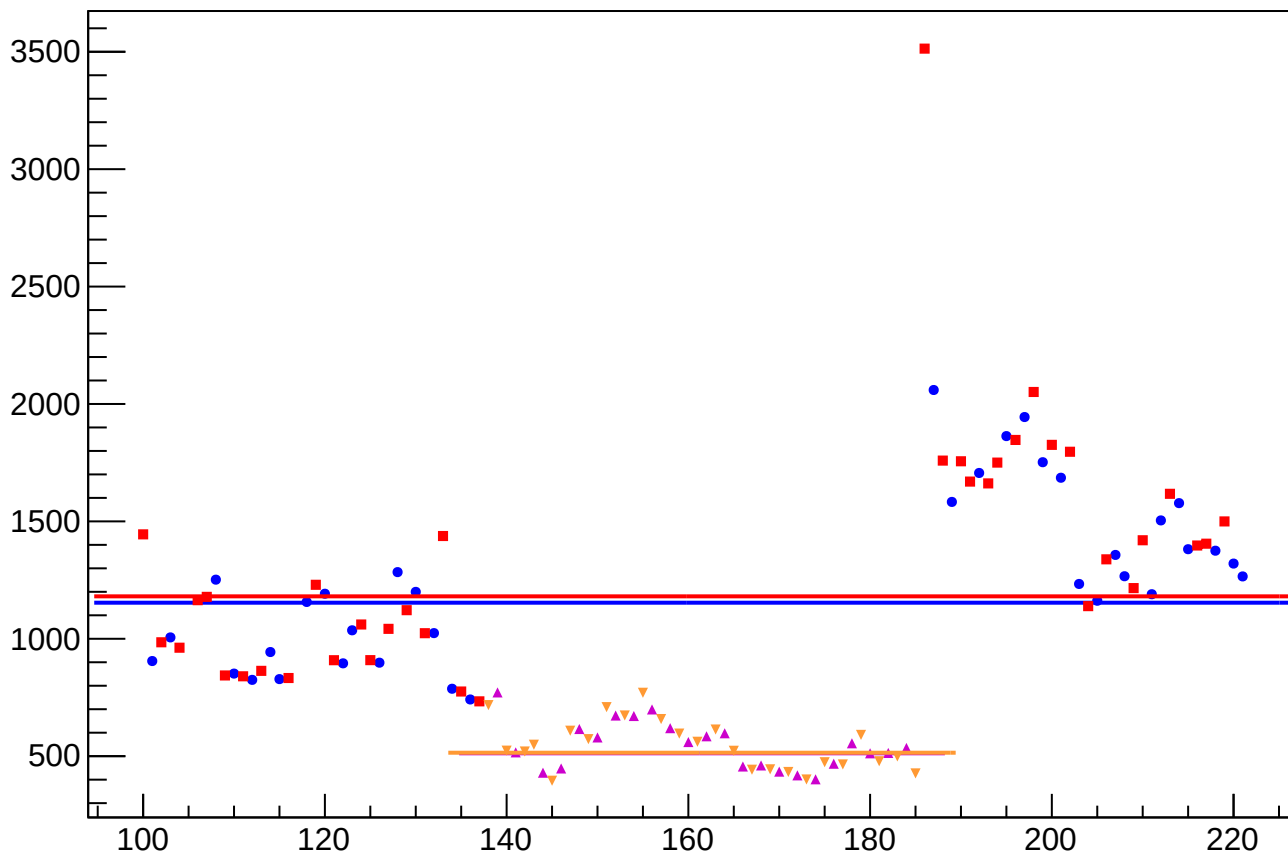
Left In: -100.548 ± 124.725 χ^2/NDF : 25.5/22

+ sign -699.378 ± 111.172 χ^2/NDF : 123.8/59

All: -503.956 ± 79.565 χ^2/NDF : 219.0/119

- sign -298.743 ± 113.923 χ^2/NDF : 88.9/59

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1153.638 $\pm$ 0.190 χ^2 /NDF: 2685603.9/34

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

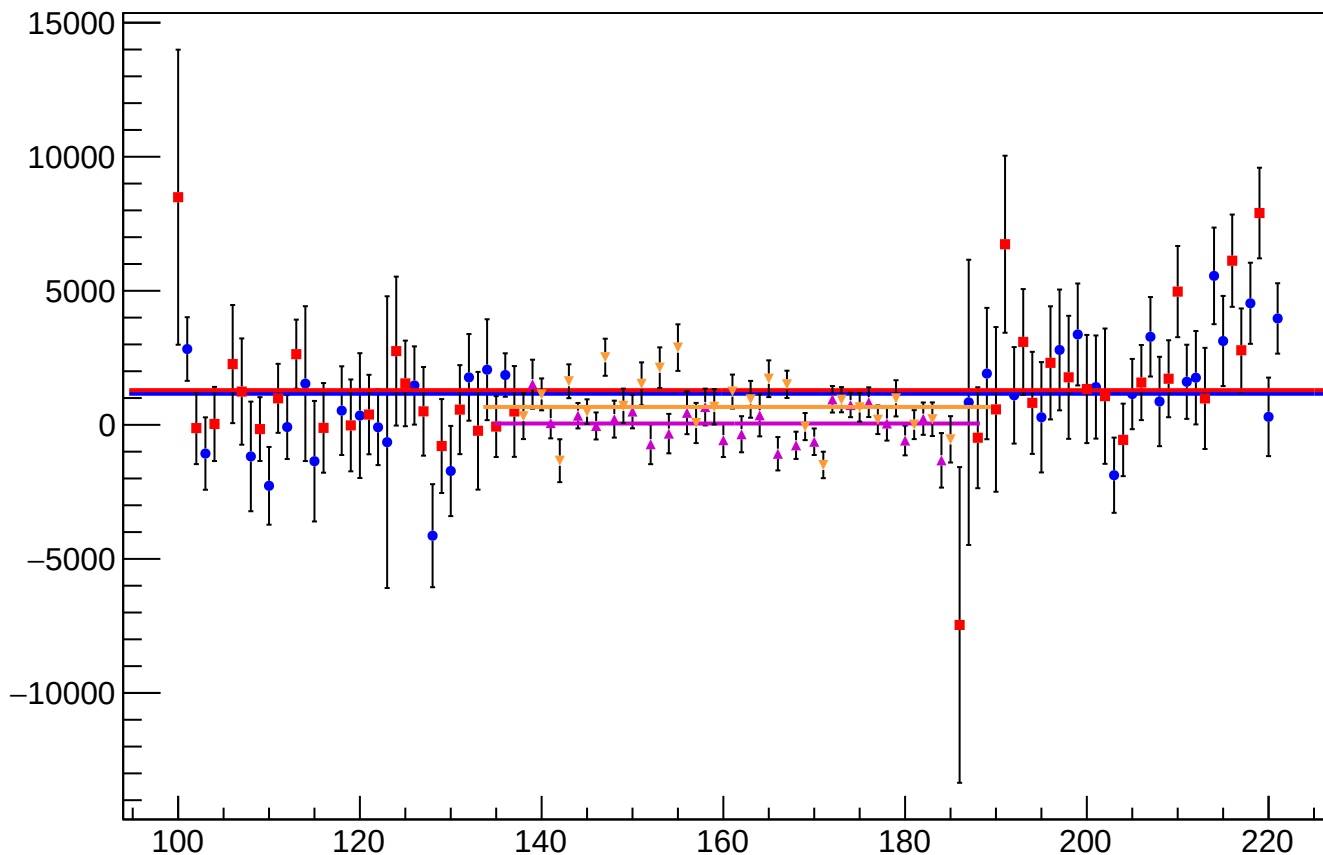
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF:1041302.8/22

+ sign 624.164 $\pm$ 0.079 χ^2 /NDF: 13254659.2/59

All: 623.588 $\pm$ 0.056 χ^2 /NDF: 27092155.7/11

- sign 622.983 $\pm$ 0.081 χ^2 /NDF: 13837386.4/59

asym_sam_12345678_avg_mean vs Slug



Right In: 1160.410 $\pm$ 269.619 χ^2 /NDF: 53.2/34

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

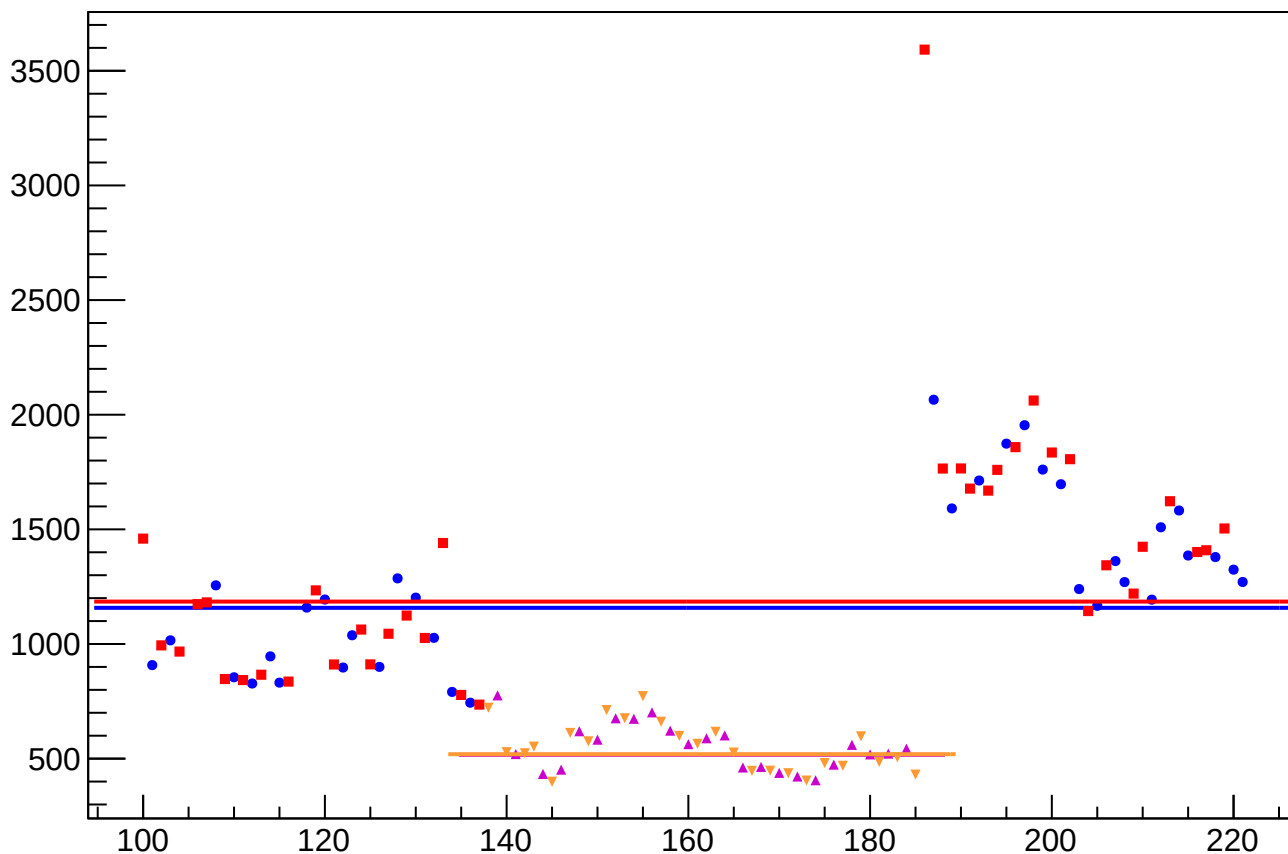
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF: 26.1/22

+ sign 752.681 $\pm$ 112.015 χ^2 /NDF: 117.5/59

All: 511.401 $\pm$ 80.180 χ^2 /NDF: 219.6/119

- sign 257.884 $\pm$ 114.820 χ^2 /NDF: 92.7/59

asym_sam_12345678_avg_rms vs Slug



Right In: 1157.735 $\pm$ 0.191 χ^2 /NDF: 2691085.6/34

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

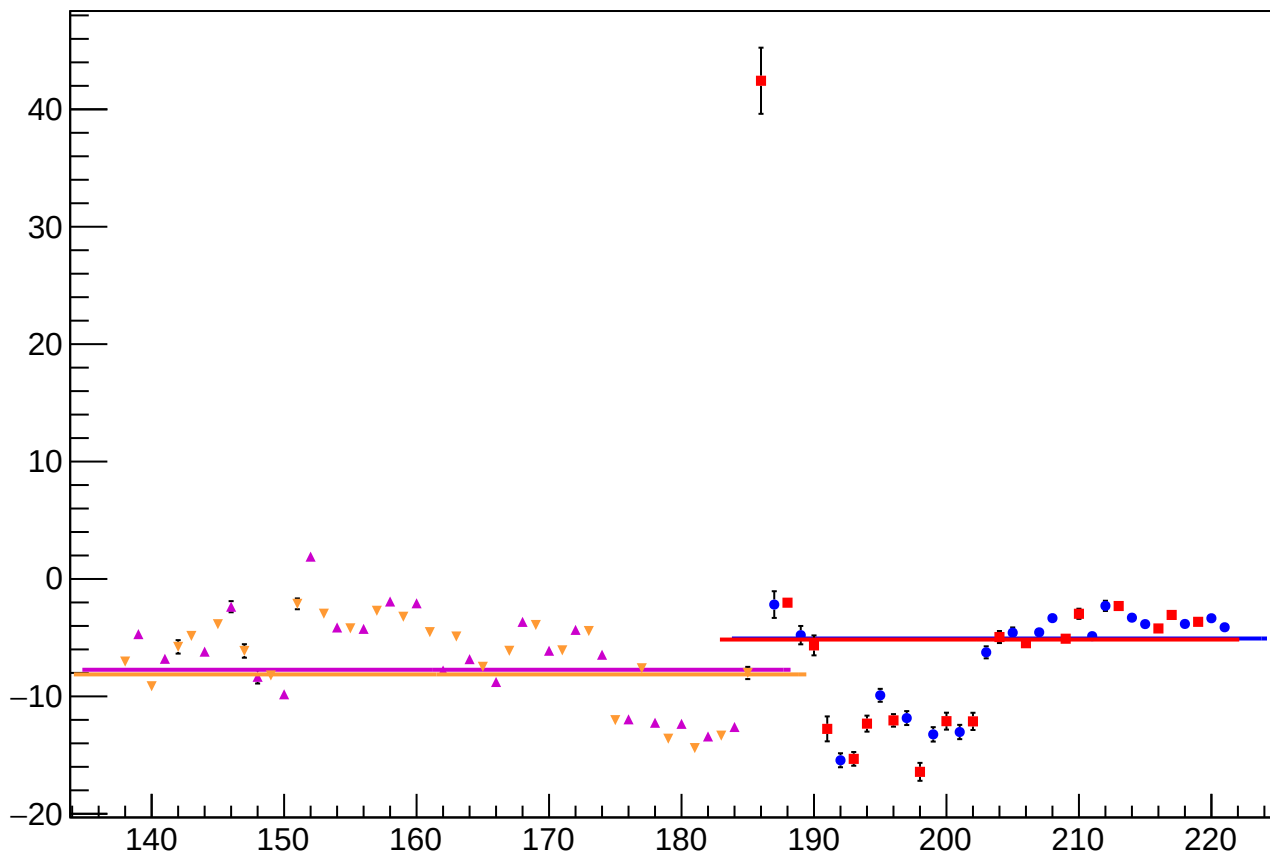
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF: 1021374.1/22

+ sign 629.458 $\pm$ 0.079 χ^2 /NDF: 13143270.4/59

All: 628.935 $\pm$ 0.057 χ^2 /NDF: 26874729.8/13

- sign 628.385 $\pm$ 0.081 χ^2 /NDF: 13731369.9/59

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -5.070 ± 0.097 χ^2/NDF : 1043.8/17

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -5.159 ± 0.103 χ^2/NDF : 1595.2/17

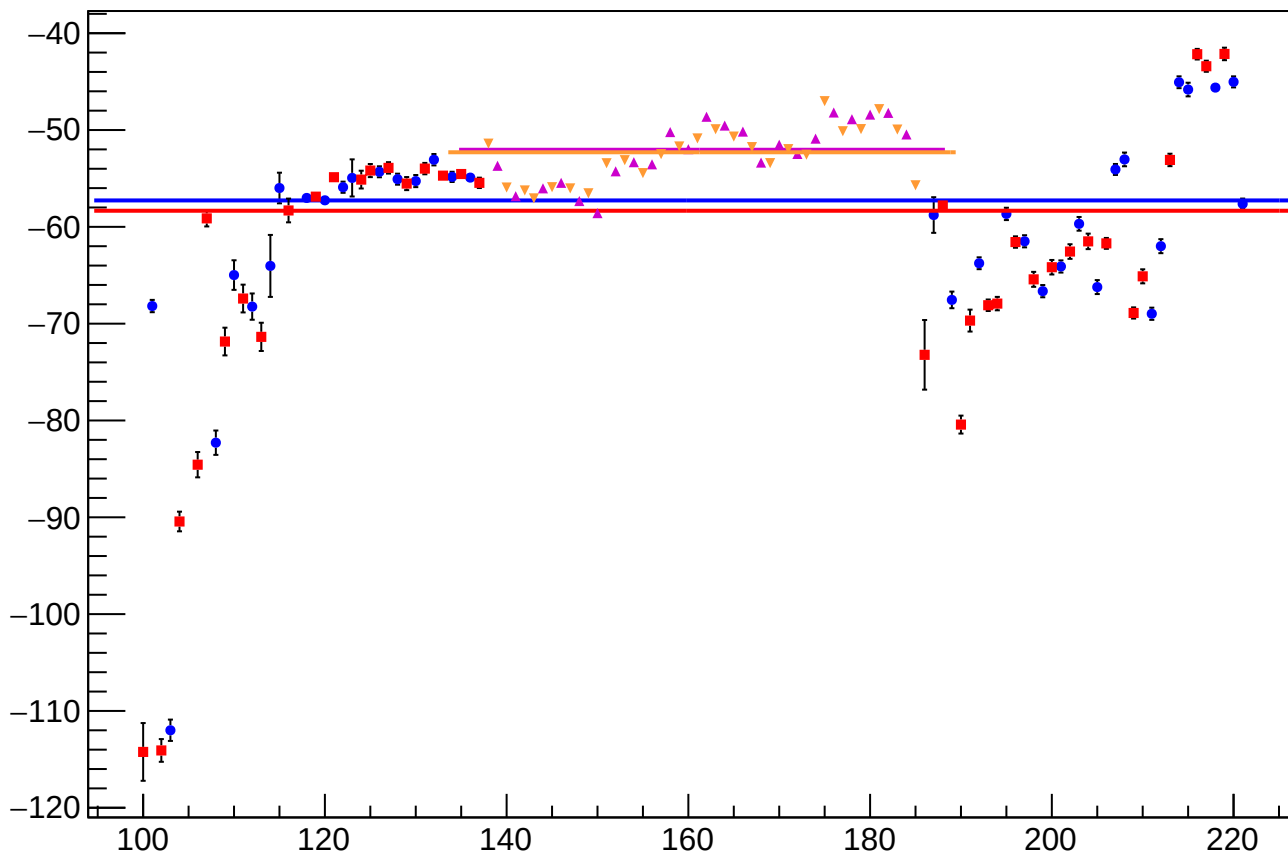
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -7.129 ± 0.055 χ^2/NDF : 5351.7/42

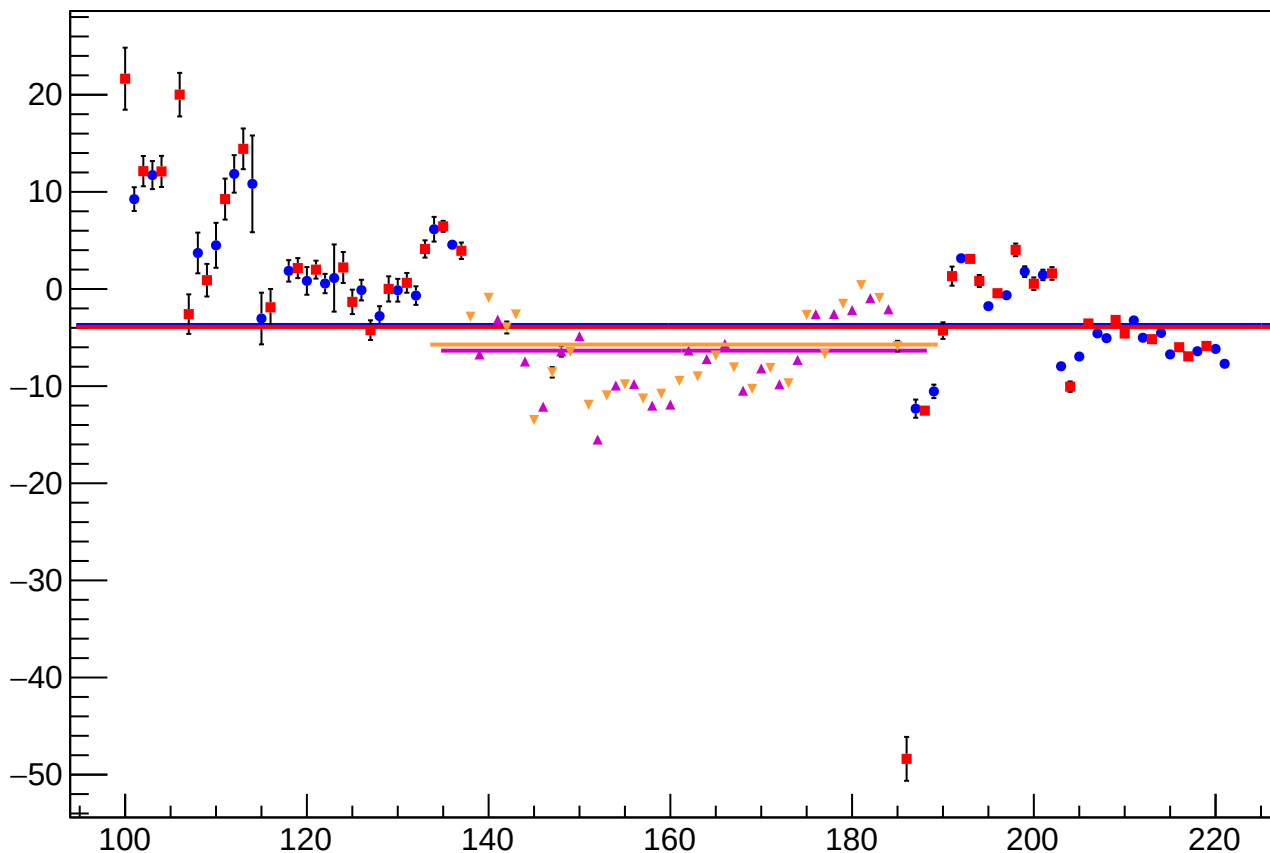
All: -7.037 ± 0.040 χ^2/NDF : 11102.6/83

- 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: -3.704 ± 0.092 χ^2/NDF : 1975.2/34

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -3.905 ± 0.096 χ^2/NDF : 3434.5/36

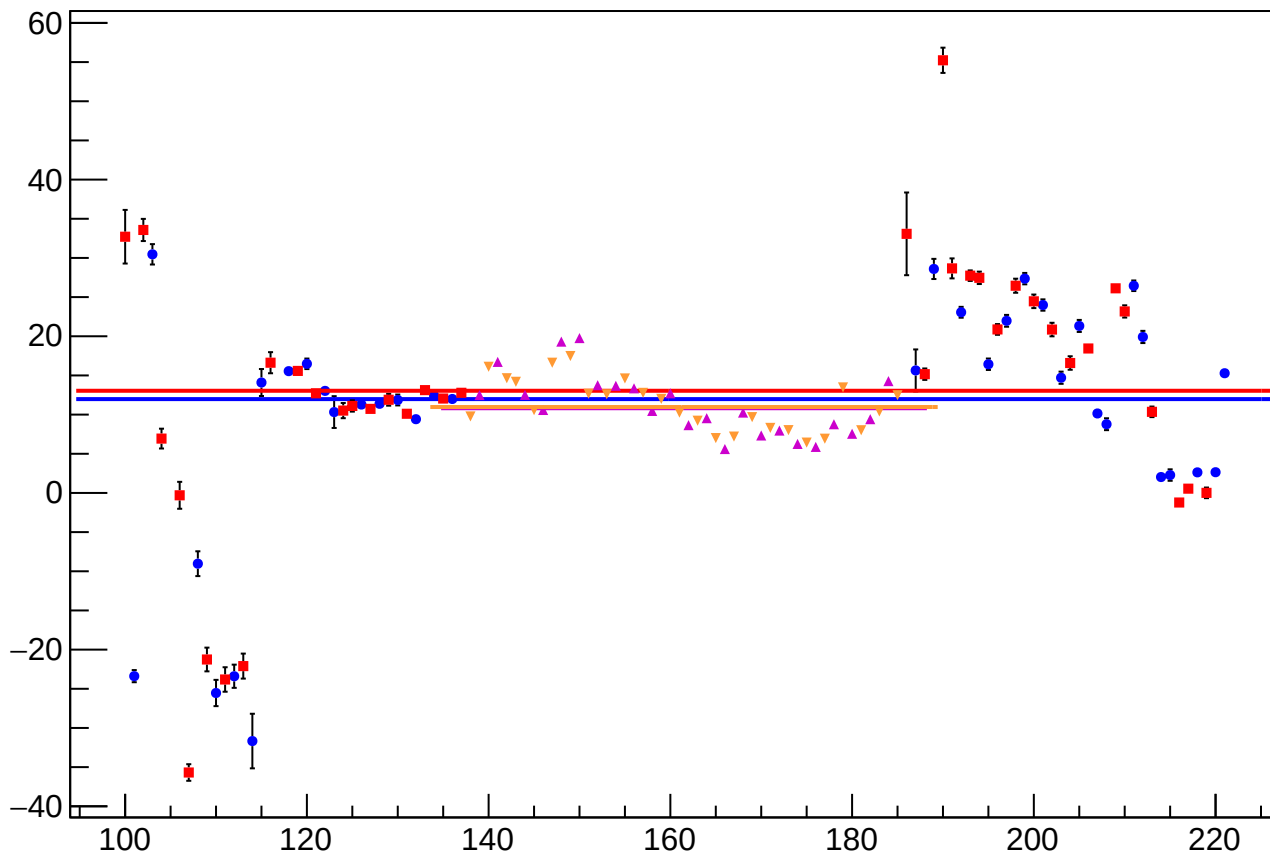
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -5.017 ± 0.055 χ^2/NDF : 6269.5/59

All: -5.263 ± 0.039 χ^2/NDF : 13555.8/119

- sign -5.520 ± 0.056 χ^2/NDF : 7244.8/59

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 11.979 $\pm$ 0.115 χ^2 /NDF: 6956.8/34

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 13.044 $\pm$ 0.119 χ^2 /NDF: 8536.6/36

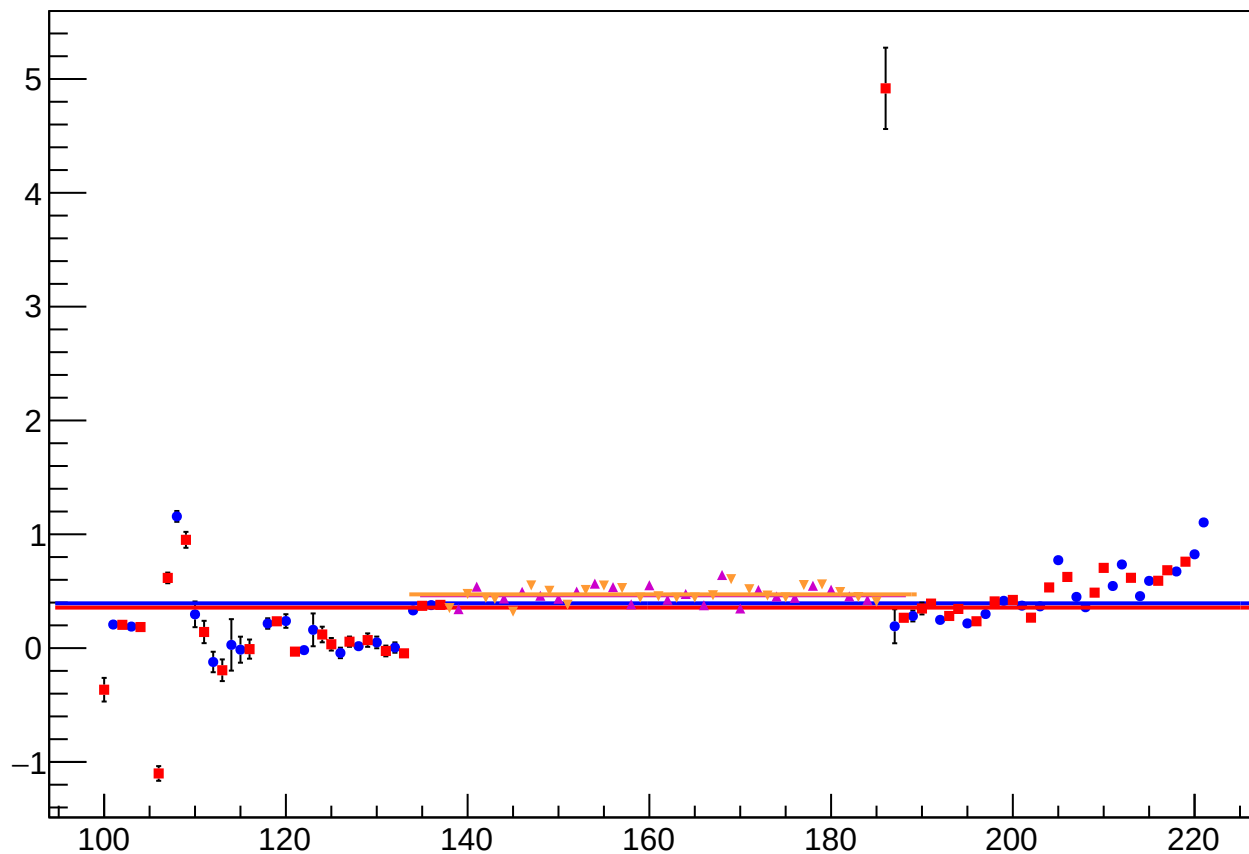
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

+ sign 11.192 $\pm$ 0.054 χ^2 /NDF: 9654.9/59

All: 11.245 $\pm$ 0.039 χ^2 /NDF: 22013.5/119

- sign 11.302 $\pm$ 0.056 χ^2 /NDF: 12356.7/59

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.393 ± 0.005 $\chi^2/\text{NDF}: 1837.2/34$

Left Out: 0.472 ± 0.003 $\chi^2/\text{NDF}: 519.0/24$

Right Out: 0.356 ± 0.005 $\chi^2/\text{NDF}: 1977.7/36$

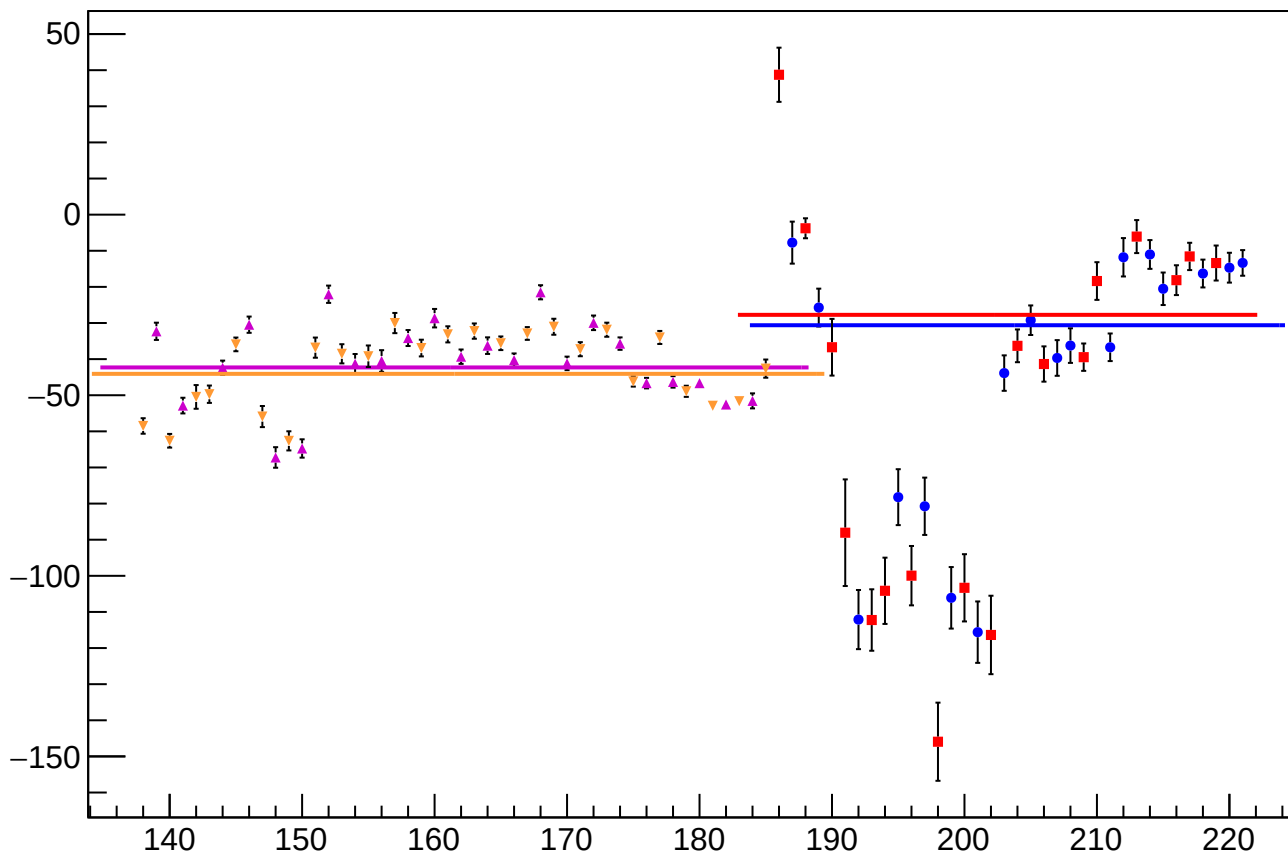
Left In: 0.464 ± 0.003 $\chi^2/\text{NDF}: 733.1/22$

+ sign 0.455 ± 0.002 $\chi^2/\text{NDF}: 2536.2/59$

All: 0.448 ± 0.002 $\chi^2/\text{NDF}: 5582.9/119$

- sign 0.441 ± 0.002 $\chi^2/\text{NDF}: 3031.5/59$

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -30.617 ± 1.156 $\chi^2/\text{NDF}: 480.3/17$

Left Out: -44.077 ± 0.389 $\chi^2/\text{NDF}: 632.6/24$

Right Out: -27.741 ± 1.236 $\chi^2/\text{NDF}: 747.9/17$

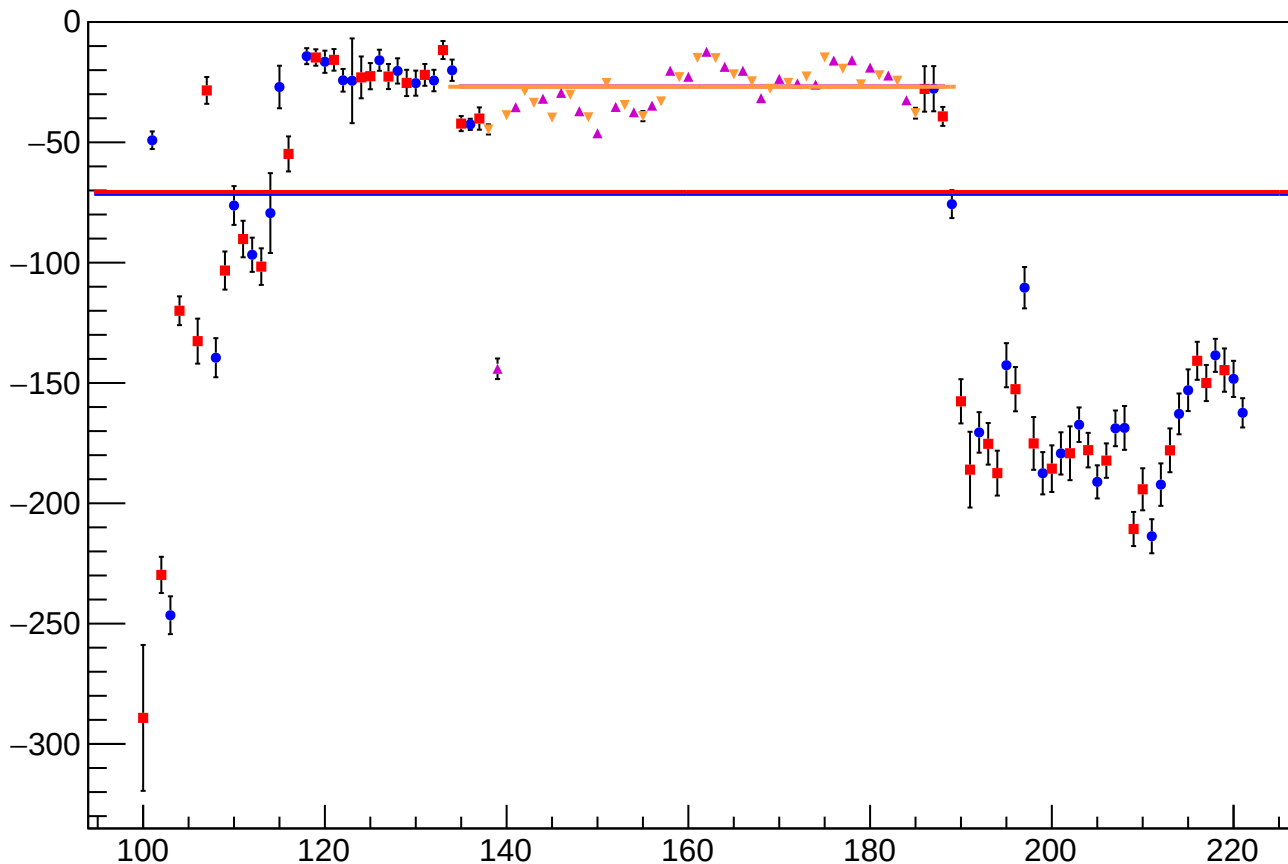
Left In: -42.304 ± 0.399 $\chi^2/\text{NDF}: 640.6/22$

+ sign -42.710 ± 0.368 $\chi^2/\text{NDF}: 1234.7/42$

All: -41.847 ± 0.264 $\chi^2/\text{NDF}: 2760.2/83$

- sign -40.929 ± 0.380 $\chi^2/\text{NDF}: 1514.2/40$

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -71.416 ± 0.971 $\chi^2/\text{NDF}: 4479.8/34$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -70.631 ± 1.017 $\chi^2/\text{NDF}: 4269.7/36$

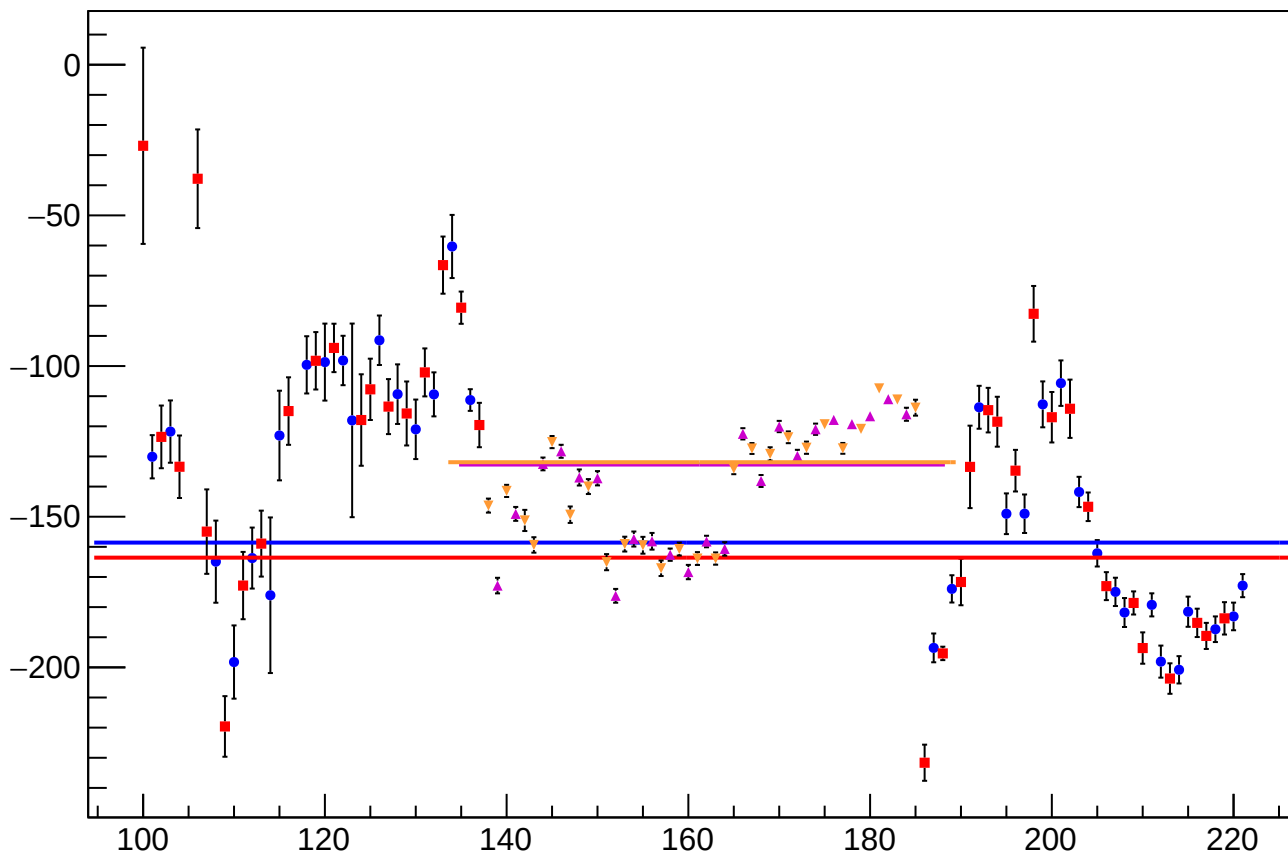
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -31.169 ± 0.301 $\chi^2/\text{NDF}: 7009.8/59$

All: -31.022 ± 0.216 $\chi^2/\text{NDF}: 14359.4/119$

- sign -30.864 ± 0.311 $\chi^2/\text{NDF}: 7349.1/59$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -158.590 ± 1.017 χ^2/NDF : 1096.7/34

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -163.583 ± 1.046 χ^2/NDF : 1565.5/36

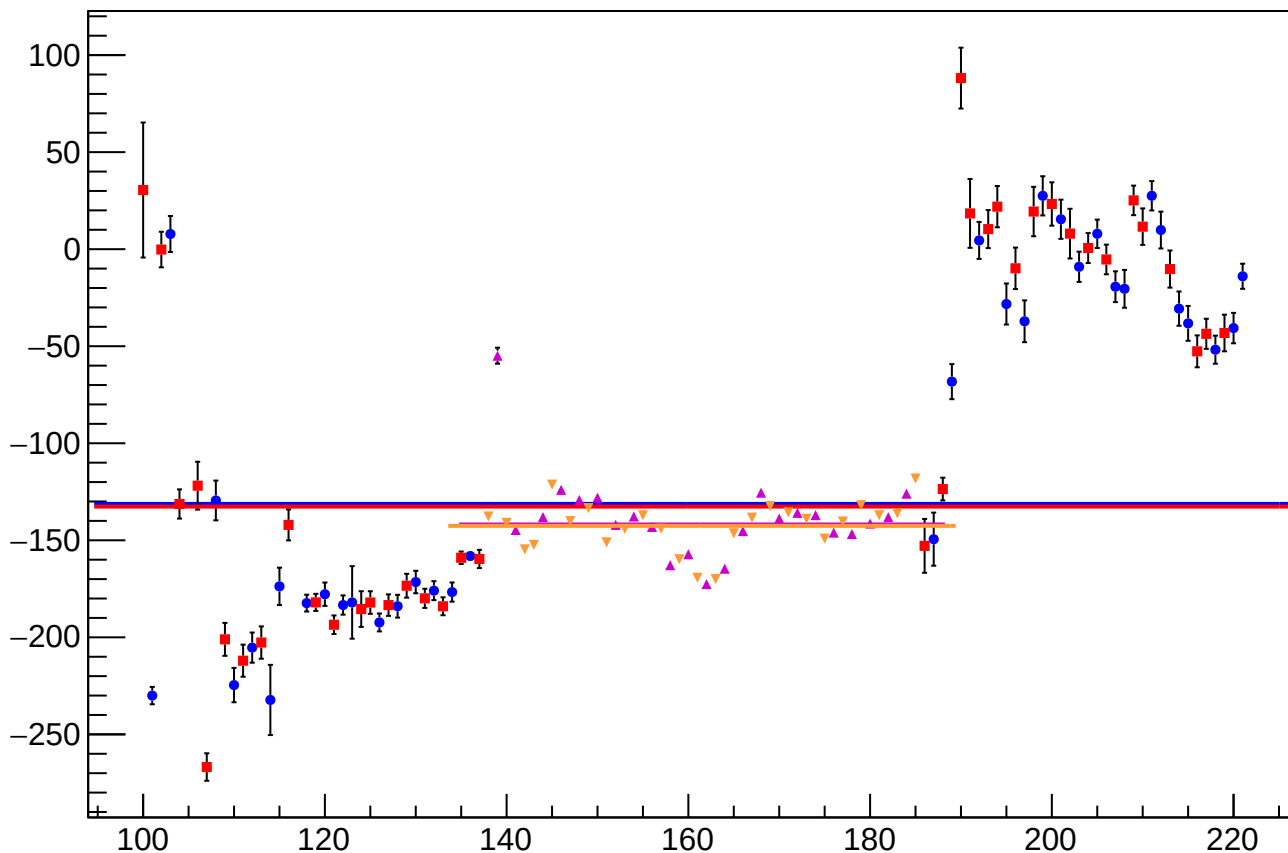
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -135.356 ± 0.365 χ^2/NDF : 4135.5/59

All: -135.975 ± 0.261 χ^2/NDF : 8948.3/119

- sign -136.620 ± 0.373 χ^2/NDF : 4806.9/59

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -131.260 ± 1.083 χ^2/NDF : 5187.8/34

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -132.635 ± 1.156 χ^2/NDF : 4667.6/36

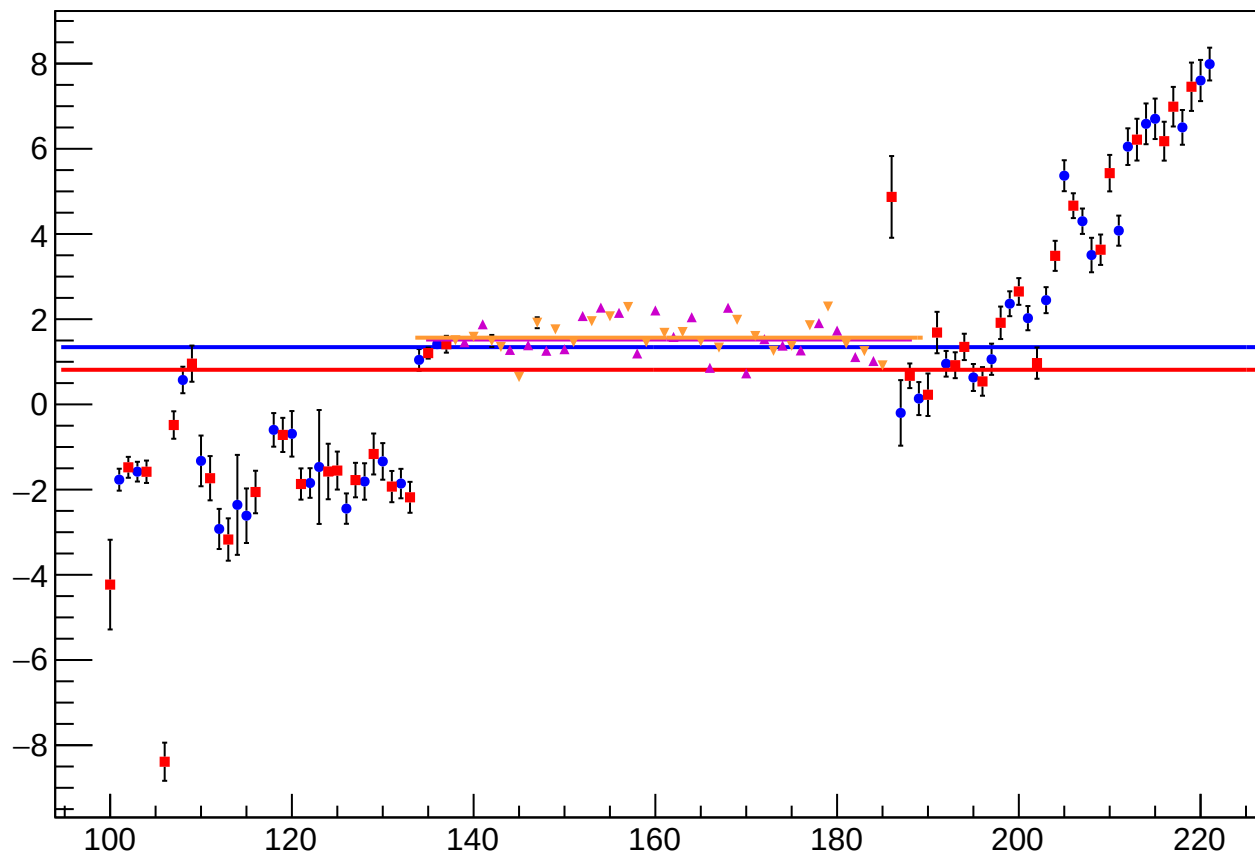
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -141.473 ± 0.337 χ^2/NDF : 6433.9/59

All: -141.257 ± 0.242 χ^2/NDF : 12704.4/119

- sign -141.026 ± 0.347 χ^2/NDF : 6269.7/59

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.344 ± 0.053 χ^2/NDF : 2237.5/34

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 0.813 ± 0.056 χ^2/NDF : 2116.2/36

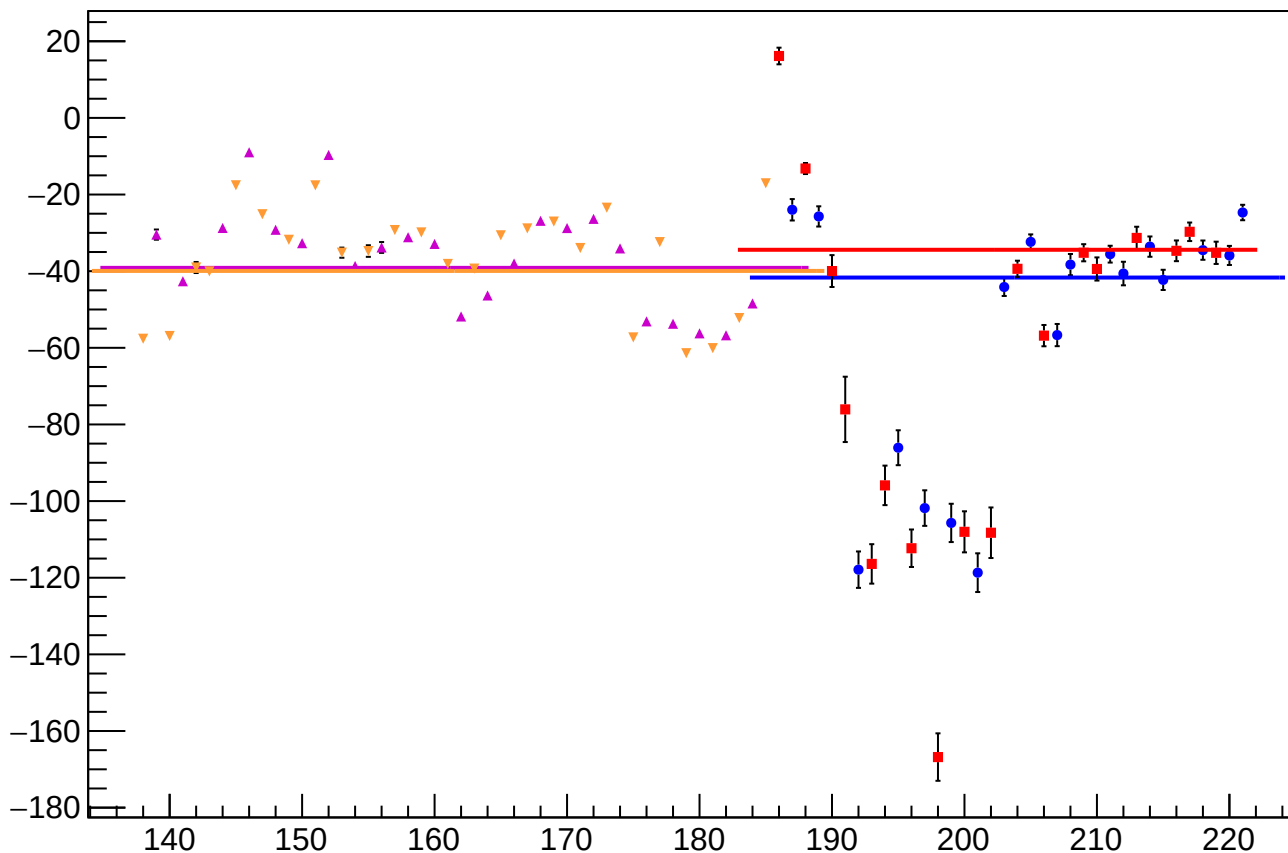
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.547 ± 0.015 χ^2/NDF : 2796.4/59

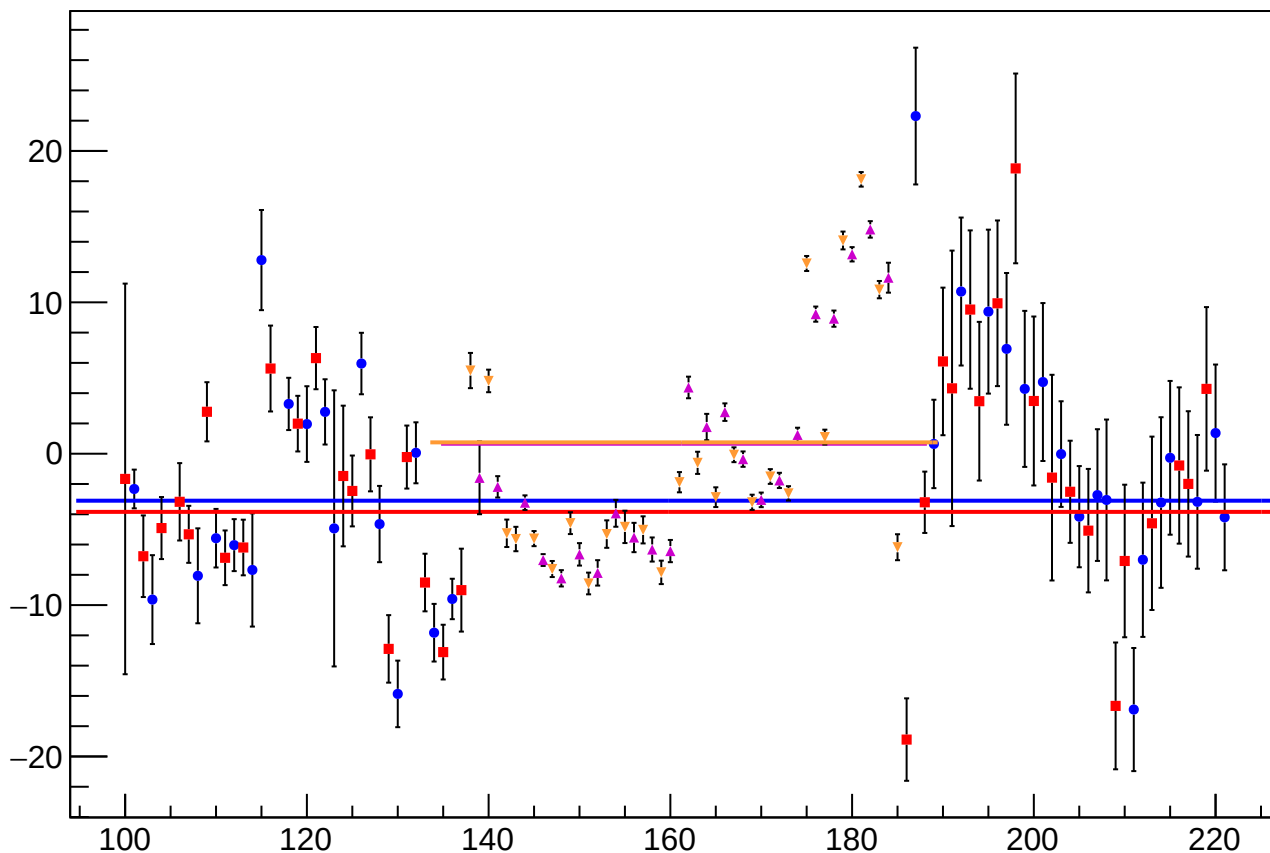
All: 1.507 ± 0.011 χ^2/NDF : 5814.0/119

- sign 1.466 ± 0.016 χ^2/NDF : 3004.0/59

reg_asym_sam3_diff_bpm1X_slope vs Slug



reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.448 χ^2/NDF : 232.6/34

Left Out: 0.749 ± 0.124 χ^2/NDF : 3970.9/24

Right Out: -3.842 ± 0.452 χ^2/NDF : 200.2/36

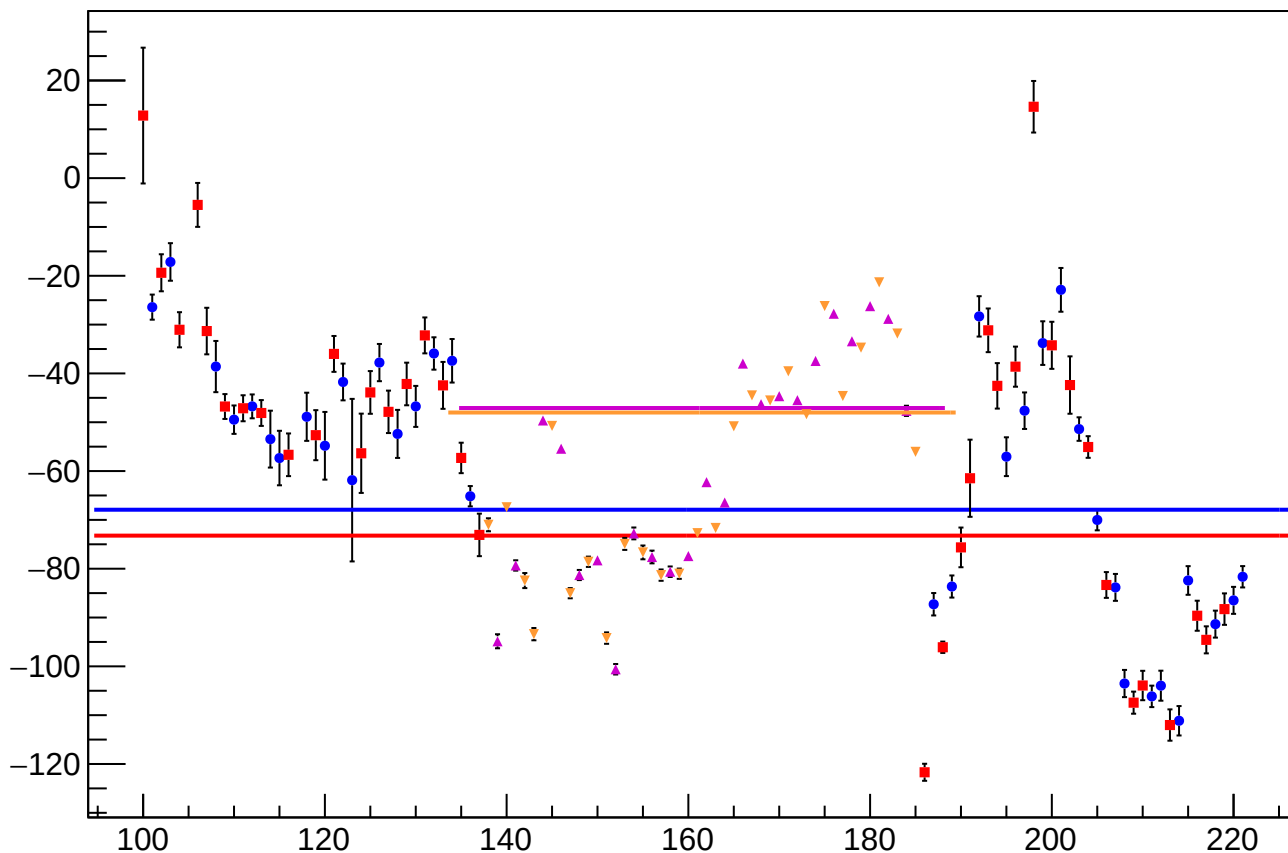
Left In: 0.660 ± 0.124 χ^2/NDF : 3337.8/22

+ sign 0.474 ± 0.120 χ^2/NDF : 4272.1/59

All: 0.409 ± 0.085 χ^2/NDF : 7902.9/119

- sign 0.344 ± 0.120 χ^2/NDF : 3630.2/59

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -67.918 ± 0.526 $\chi^2/\text{NDF}: 2376.3/34$

Left Out: -48.008 ± 0.155 $\chi^2/\text{NDF}: 16950.0/24$

Right Out: -73.224 ± 0.514 $\chi^2/\text{NDF}: 3839.0/36$

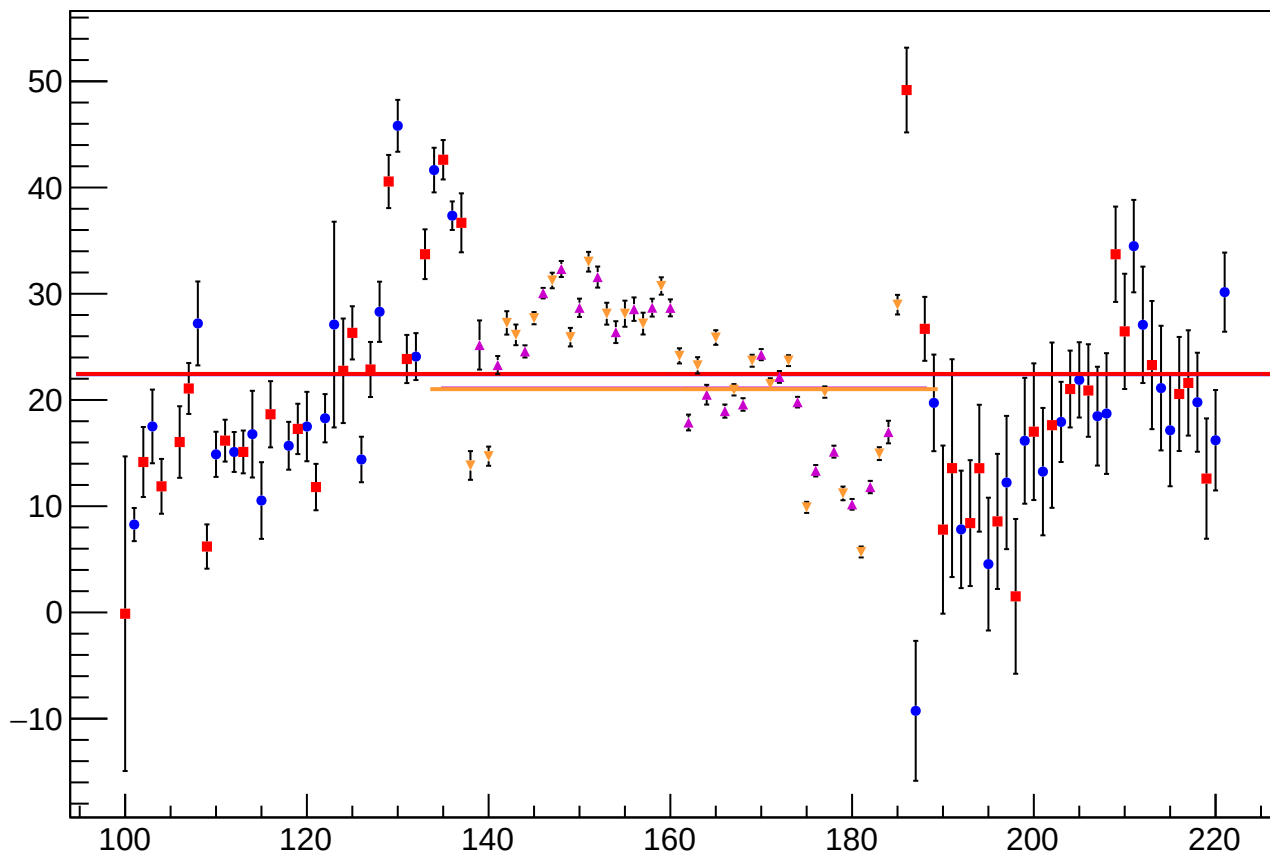
Left In: -47.085 ± 0.155 $\chi^2/\text{NDF}: 15515.2/22$

+ sign -49.594 ± 0.148 $\chi^2/\text{NDF}: 20646.9/59$

All: -49.435 ± 0.105 $\chi^2/\text{NDF}: 42374.6/119$

- sign -49.274 ± 0.149 $\chi^2/\text{NDF}: 21725.3/59$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.426 $\pm$ 0.504 χ^2 /NDF: 521.9/34

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF: 2799.3/24

Right Out: 22.453 $\pm$ 0.518 χ^2 /NDF: 449.7/36

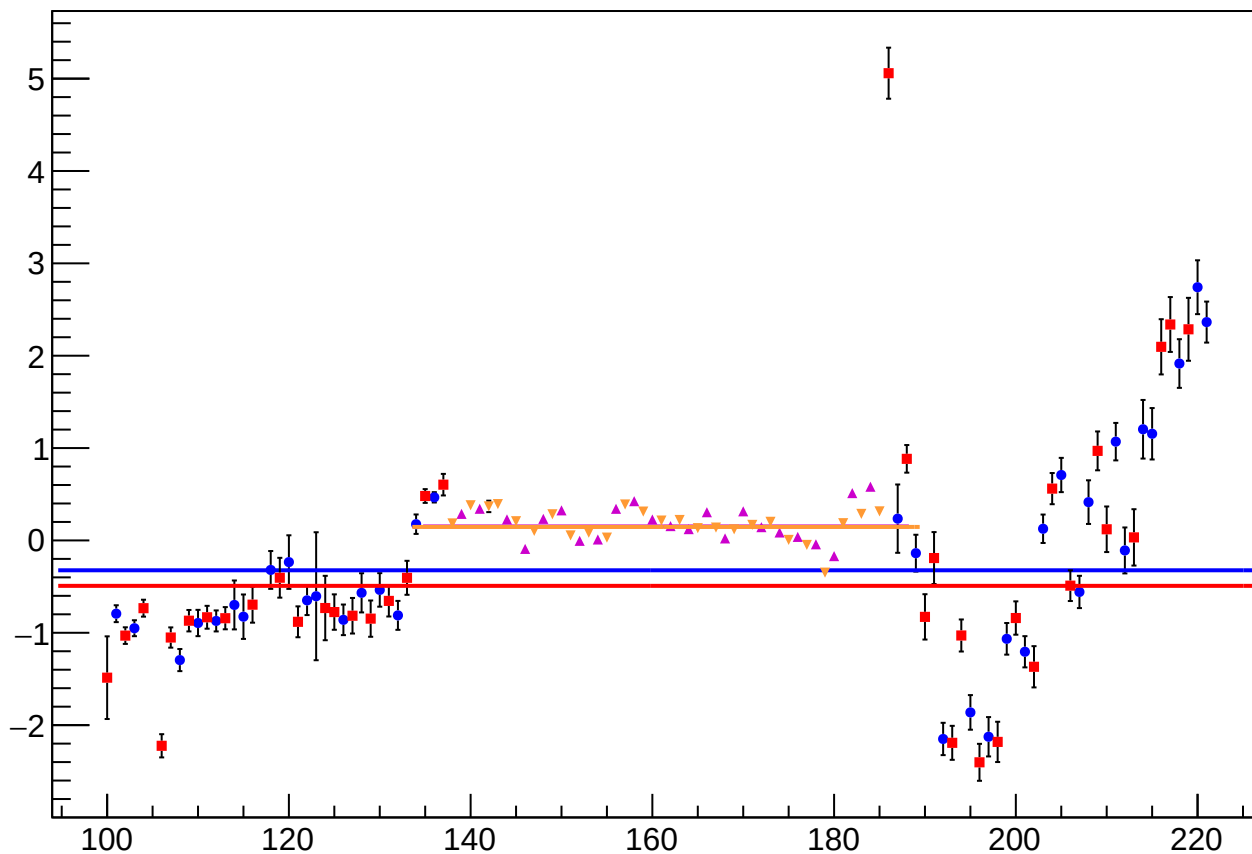
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF: 2173.2/22

+ sign 21.119 $\pm$ 0.134 χ^2 /NDF: 3328.4/59

All: 21.145 $\pm$ 0.095 χ^2 /NDF: 5958.0/119

- sign 21.172 $\pm$ 0.135 χ^2 /NDF: 2629.5/59

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.026 $\chi^2/\text{NDF}: 1217.4/34$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.492 ± 0.026 $\chi^2/\text{NDF}: 1649.7/36$

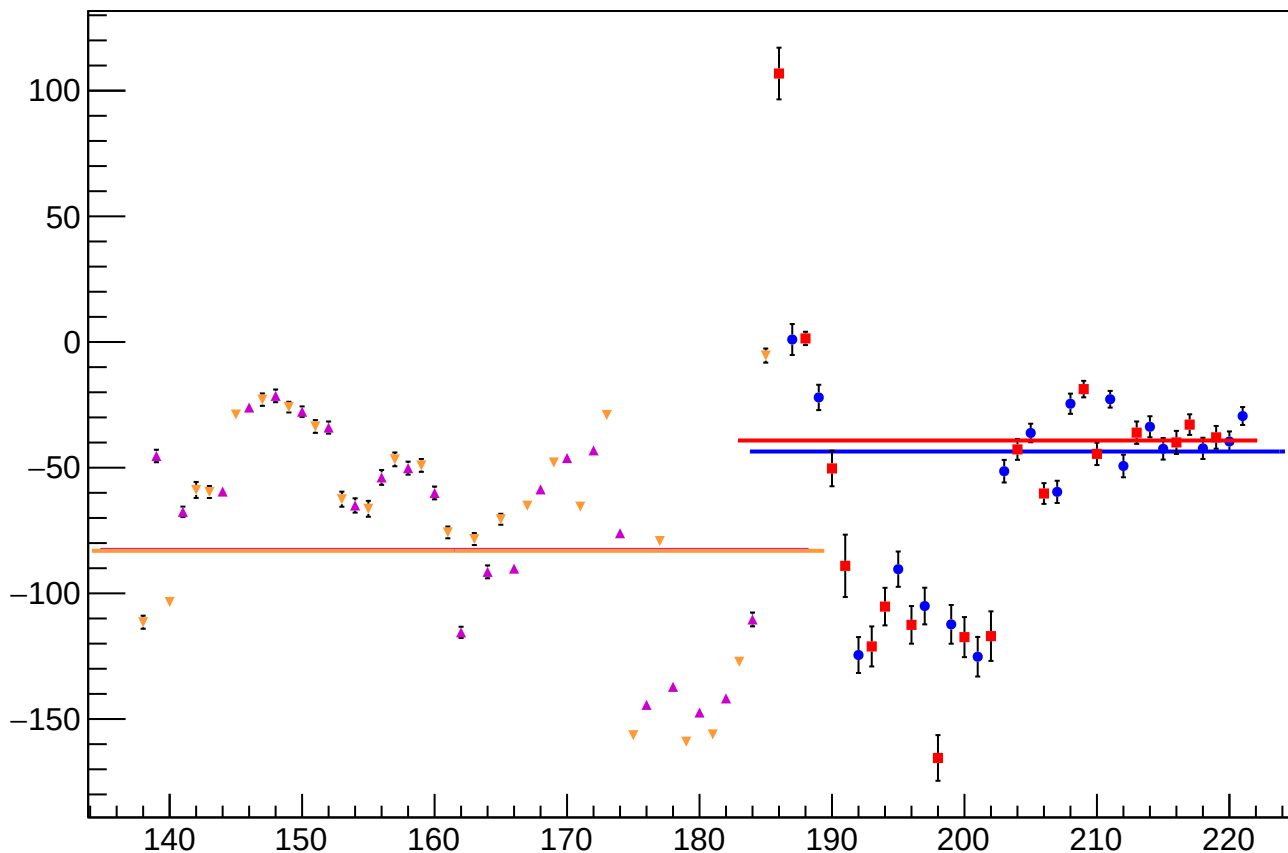
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.119 ± 0.006 $\chi^2/\text{NDF}: 2142.8/59$

All: 0.117 ± 0.004 $\chi^2/\text{NDF}: 5243.6/119$

- sign 0.114 ± 0.006 $\chi^2/\text{NDF}: 3100.4/59$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -43.564 ± 1.090 χ^2/NDF : 607.5/17

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -39.186 ± 1.167 χ^2/NDF : 1156.5/17

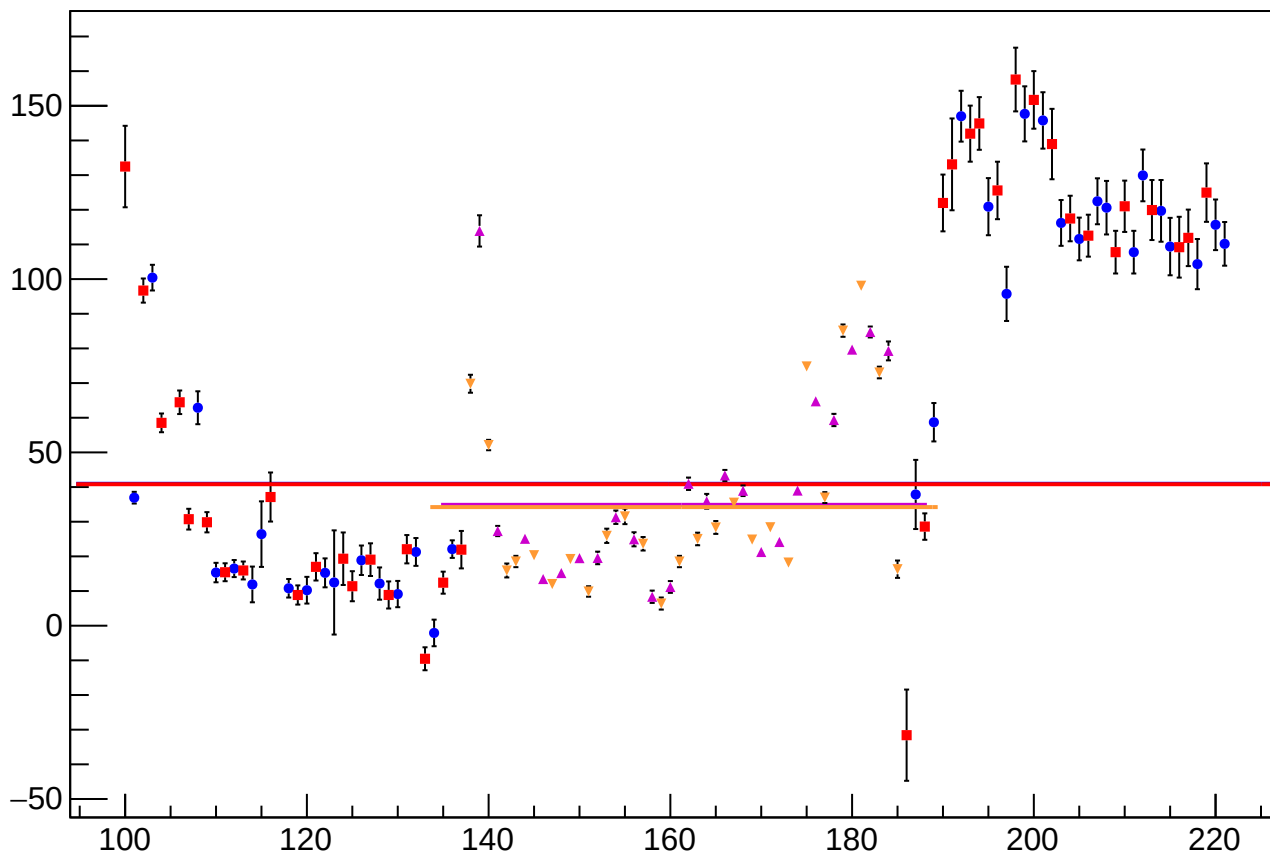
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -78.251 ± 0.381 χ^2/NDF : 15577.2/42

All: -78.043 ± 0.273 χ^2/NDF : 28810.4/83

- sign -77.822 ± 0.391 χ^2/NDF : 13232.5/40

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 40.941 $\pm$ 0.729 χ^2 /NDF: 3009.7/34

Left Out: 34.219 $\pm$ 0.320 χ^2 /NDF:6192.6/24

Right Out: 40.819 $\pm$ 0.735 χ^2 /NDF: 3181.4/36

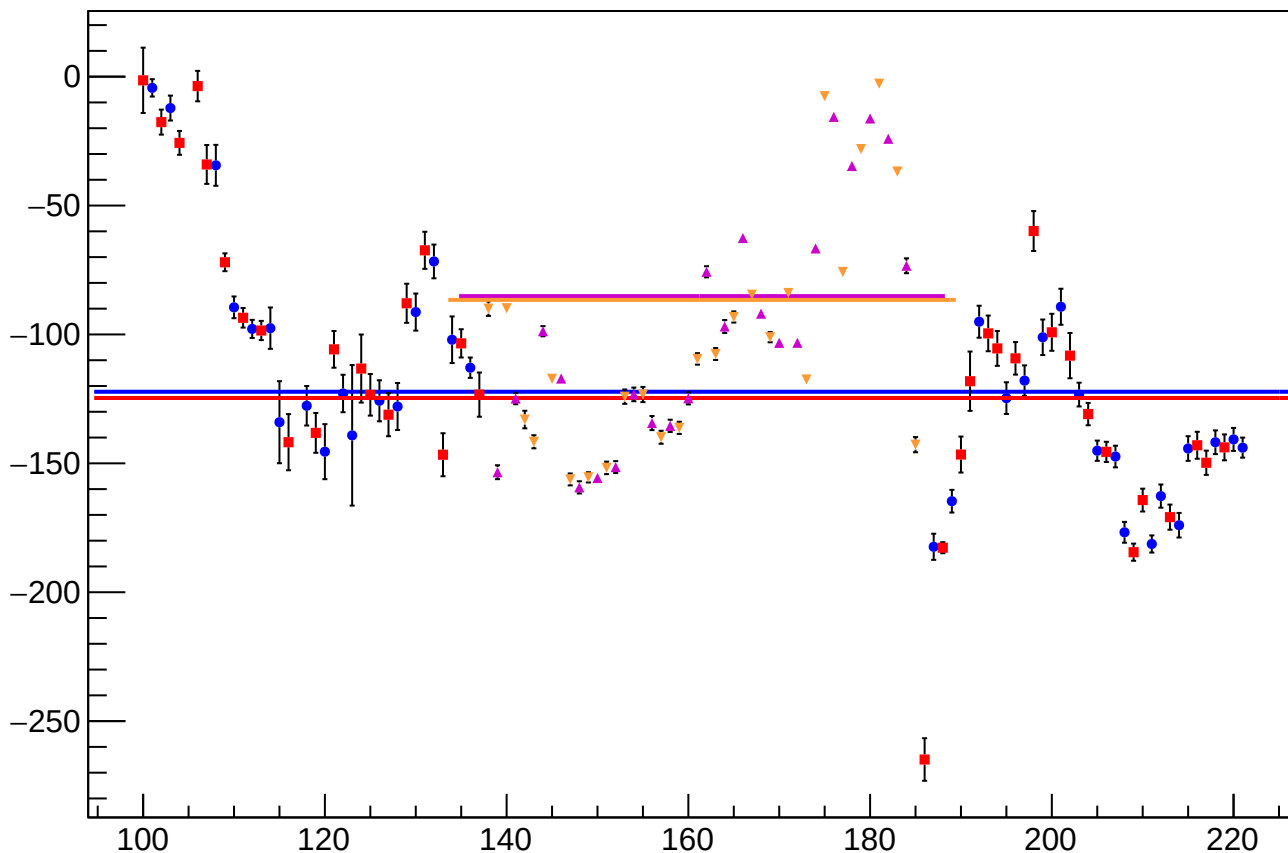
Left In: 34.870 $\pm$ 0.329 χ^2 /NDF:4716.1/22

+ sign 35.305 $\pm$ 0.293 χ^2 /NDF: 9273.5/59

All: 35.578 $\pm$ 0.210 χ^2 /NDF: 17227.3/119

- sign 35.863 $\pm$ 0.300 χ^2 /NDF: 7952.0/59

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -122.227 ± 0.867 $\chi^2/\text{NDF}: 3217.4/34$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -124.658 ± 0.862 $\chi^2/\text{NDF}: 3798.6/36$

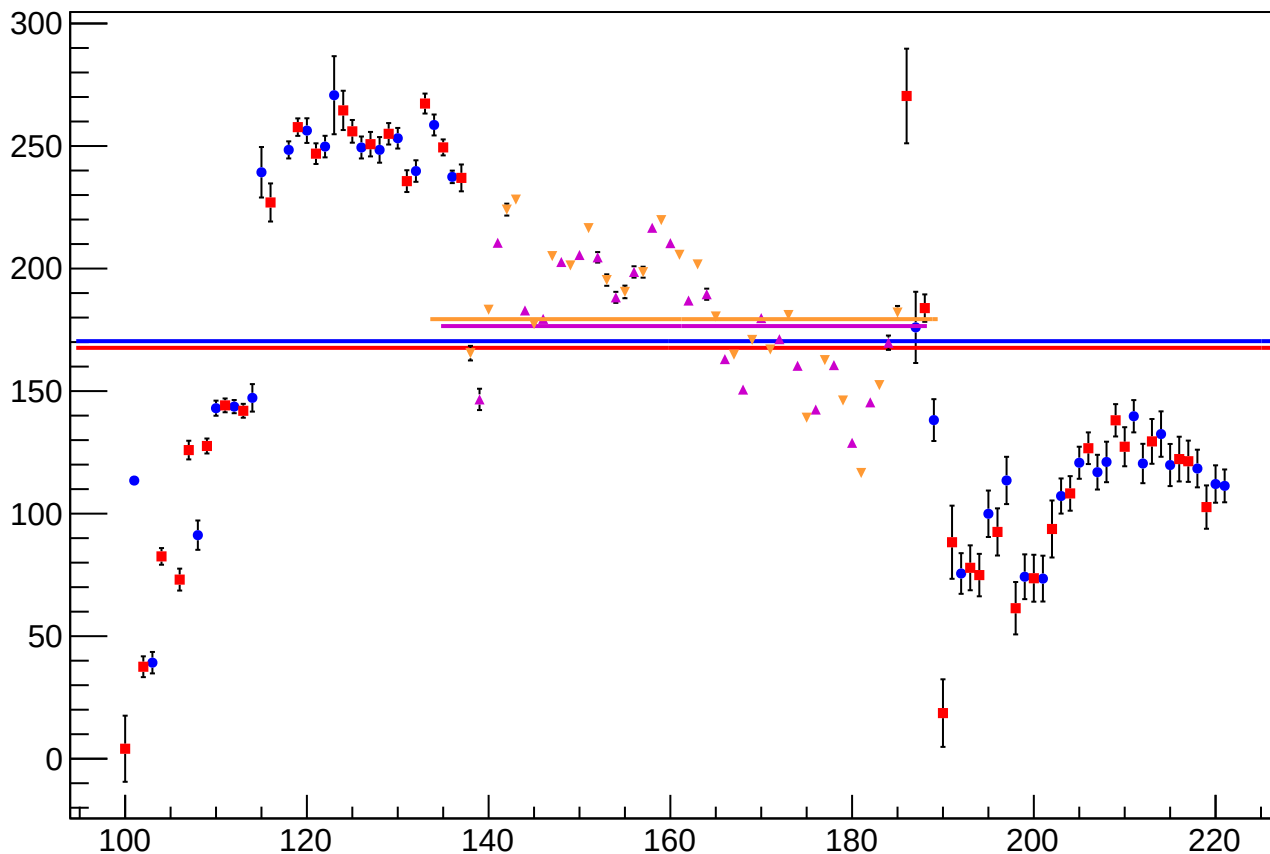
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -93.068 ± 0.369 $\chi^2/\text{NDF}: 19115.8/59$

All: -92.823 ± 0.263 $\chi^2/\text{NDF}: 37463.5/119$

- sign -92.573 ± 0.374 $\chi^2/\text{NDF}: 18346.8/59$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 170.382 $\pm$ 0.829 χ^2 /NDF: 6494.1/34

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 167.650 $\pm$ 0.842 χ^2 /NDF: 7430.8/36

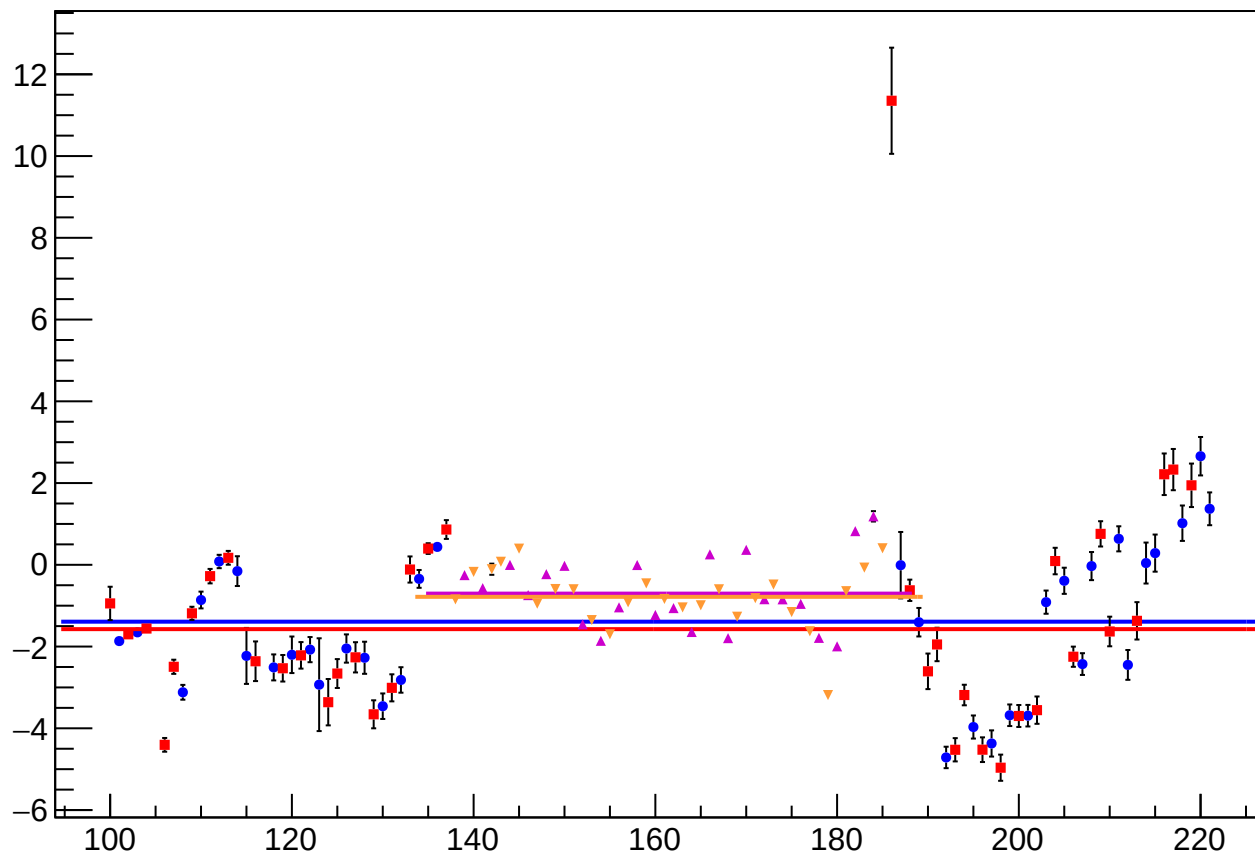
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 177.921 $\pm$ 0.332 χ^2 /NDF: 12575.0/59

All: 176.538 $\pm$ 0.237 χ^2 /NDF: 24560.5/119

- sign 175.089 $\pm$ 0.339 χ^2 /NDF: 11949.9/59

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.391 ± 0.041 χ^2/NDF : 1390.9/34

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.574 ± 0.040 χ^2/NDF : 1758.5/36

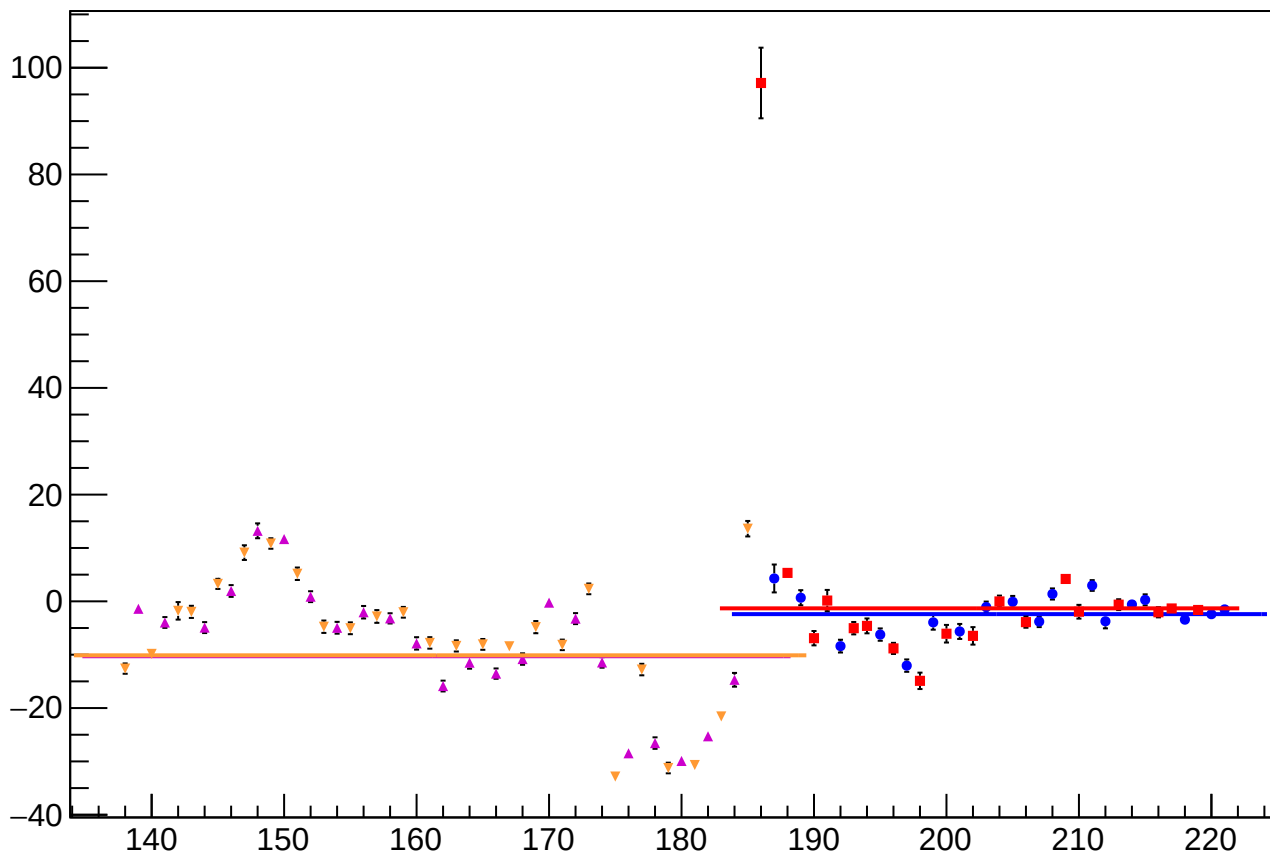
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.869 ± 0.015 χ^2/NDF : 3351.0/59

All: -0.854 ± 0.011 χ^2/NDF : 7924.4/119

- sign -0.838 ± 0.016 χ^2/NDF : 4571.4/59

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -2.398 ± 0.257 χ^2/NDF : 186.3/17

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.315 ± 0.261 χ^2/NDF : 559.3/17

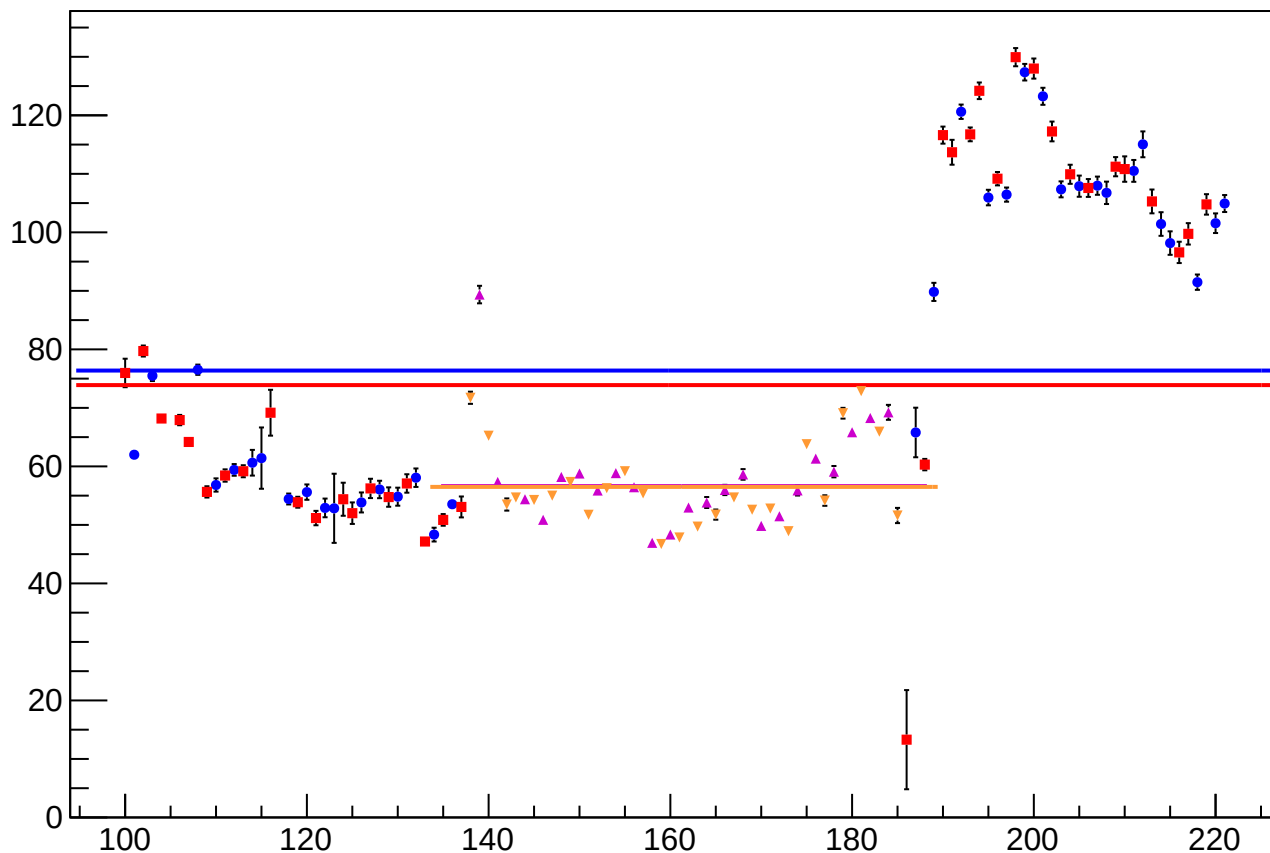
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -7.176 ± 0.158 χ^2/NDF : 4884.1/42

All: -7.020 ± 0.113 χ^2/NDF : 9626.3/83

- sign -6.858 ± 0.161 χ^2/NDF : 4740.2/40

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 76.379+/-0.215 χ^2/NDF : 12465.6/34

Left Out: 56.496+/-0.159 χ^2/NDF : 1968.0/24

Right Out: 73.893+/-0.206 χ^2/NDF : 15347.5/36

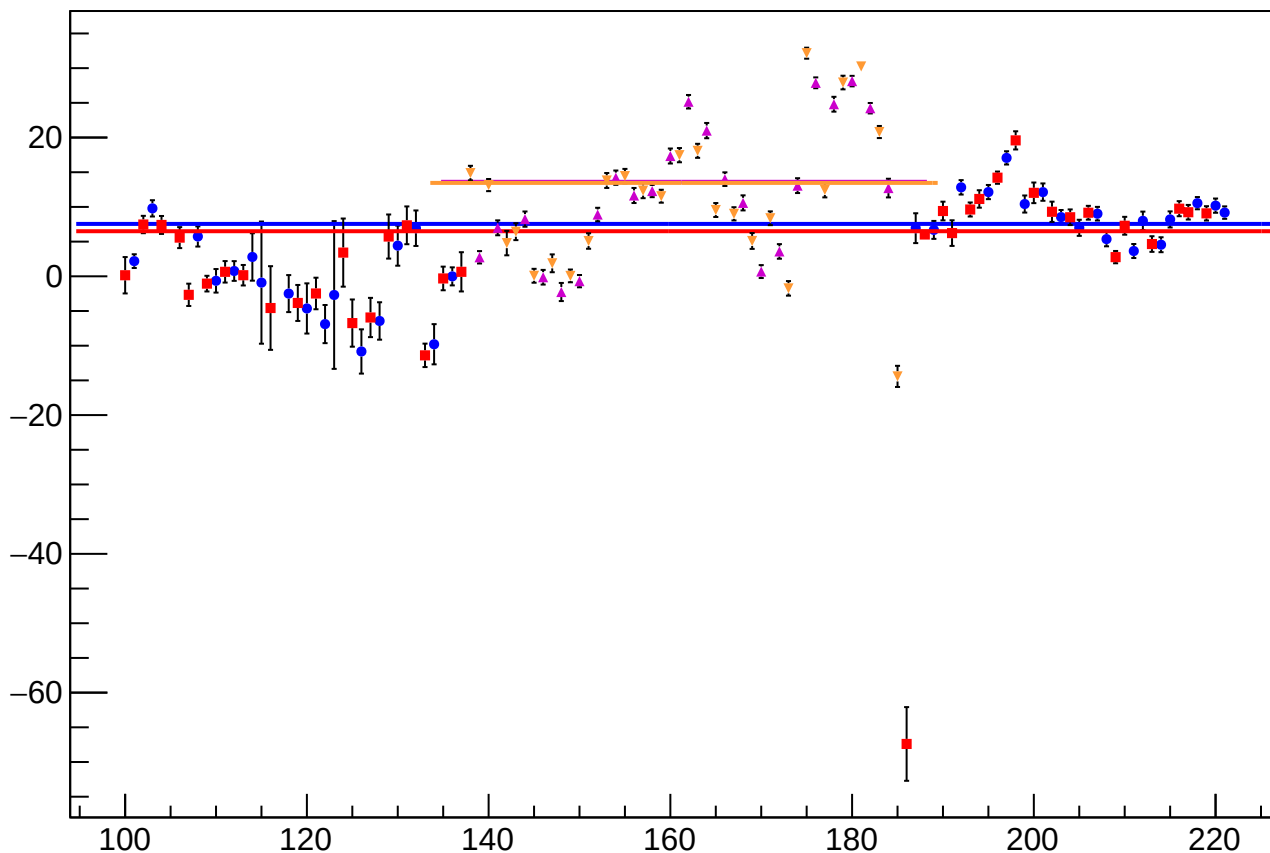
Left In: 56.635+/-0.165 χ^2/NDF : 1607.9/22

+ sign 63.533+/-0.128 χ^2/NDF : 19977.1/59

All: 63.469+/-0.091 χ^2/NDF : 41217.2/119

- sign 63.404+/-0.129 χ^2/NDF : 21239.6/59

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.552 ± 0.223 χ^2/NDF : 485.1/34

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.498 ± 0.215 χ^2/NDF : 788.7/36

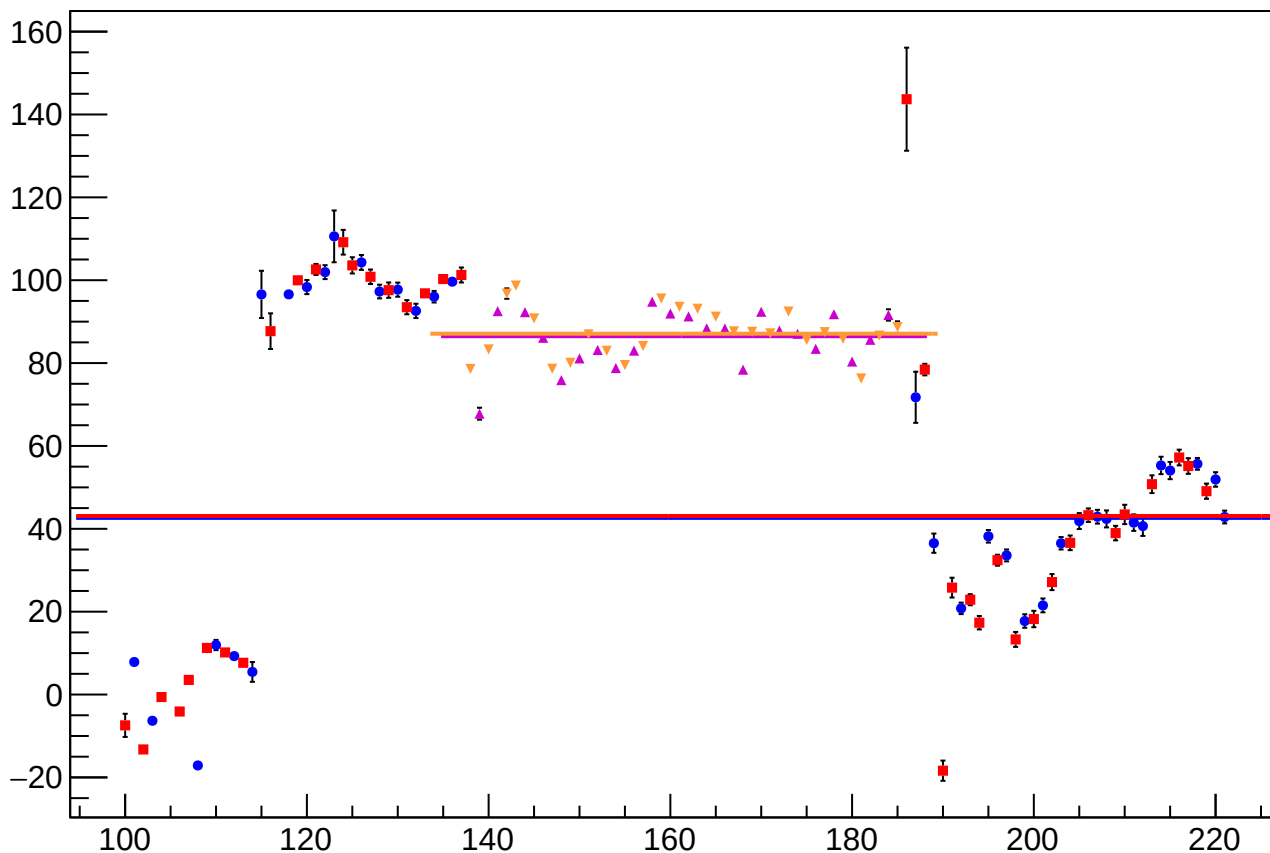
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 10.805 ± 0.150 χ^2/NDF : 3608.1/59

All: 10.518 ± 0.105 χ^2/NDF : 7296.3/119

- sign 10.235 ± 0.148 χ^2/NDF : 3680.8/59

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 42.643 $\pm$ 0.246 χ^2 /NDF: 25665.5/34

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

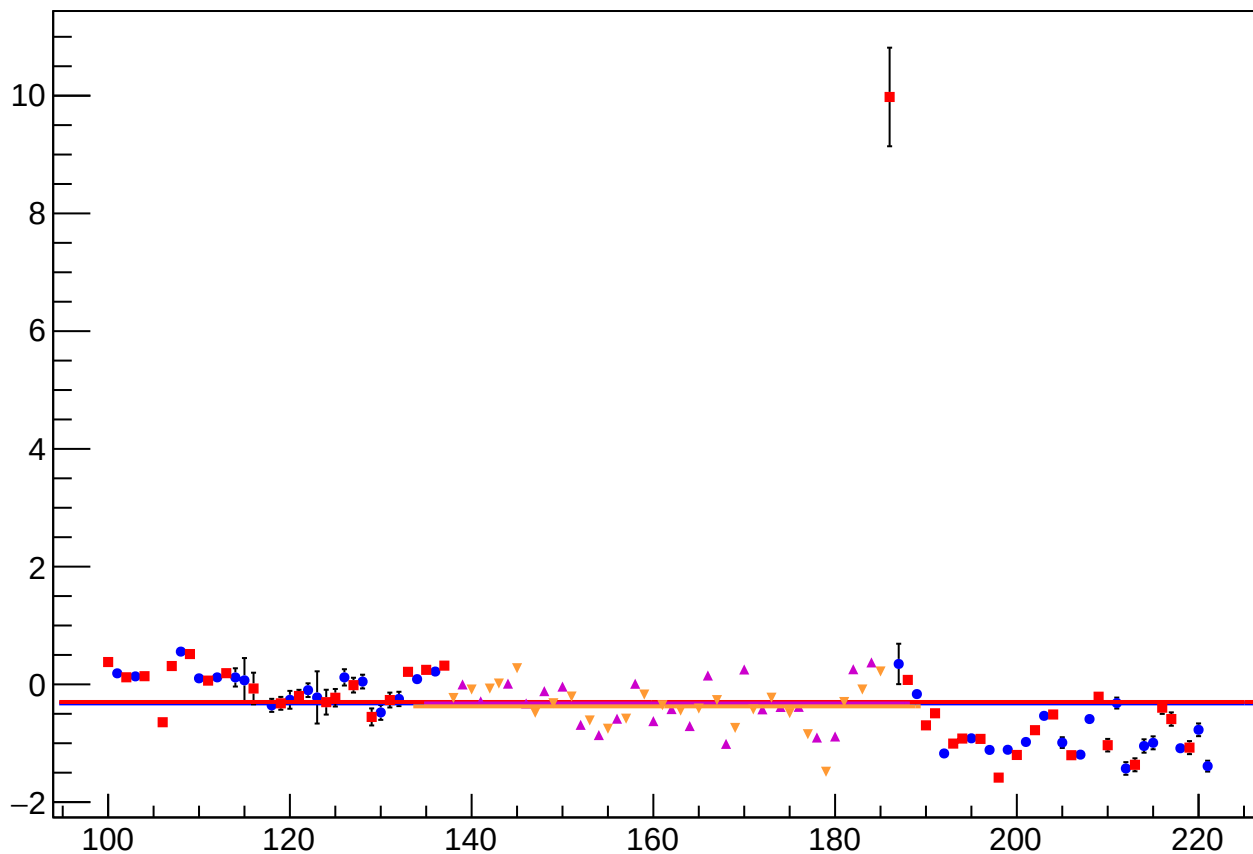
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 71.666 $\pm$ 0.145 χ^2 /NDF: 48121.9/59

All: 71.008 $\pm$ 0.103 χ^2 /NDF: 100610.7/119

- sign 70.335 $\pm$ 0.146 χ^2 /NDF: 52446.9/59

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.010 χ^2/NDF : 3649.1/34

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.299 ± 0.010 χ^2/NDF : 3761.0/36

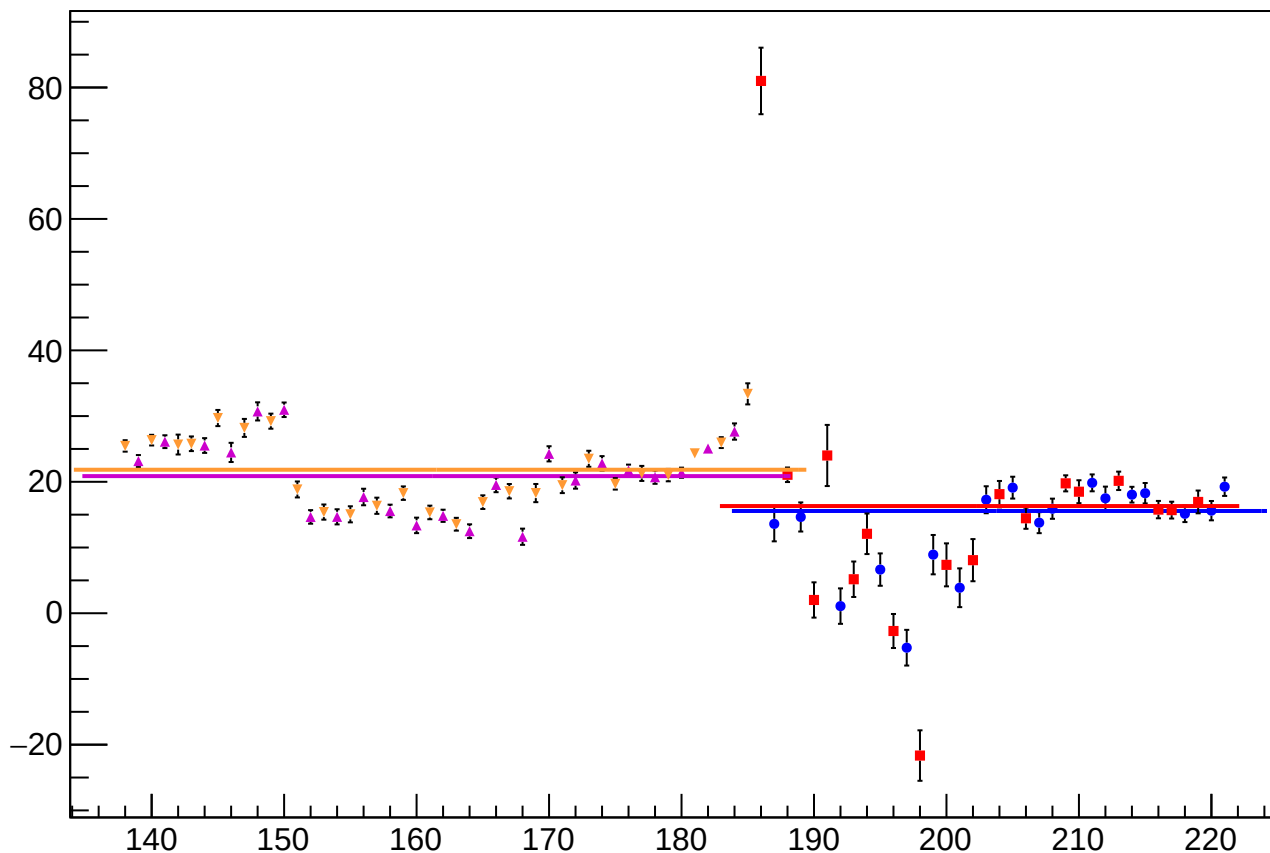
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.354 ± 0.006 χ^2/NDF : 5332.3/59

All: -0.334 ± 0.004 χ^2/NDF : 11401.1/119

- sign -0.314 ± 0.006 χ^2/NDF : 6049.3/59

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 15.560 $\pm$ 0.406 χ^2 /NDF: 155.1/17

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

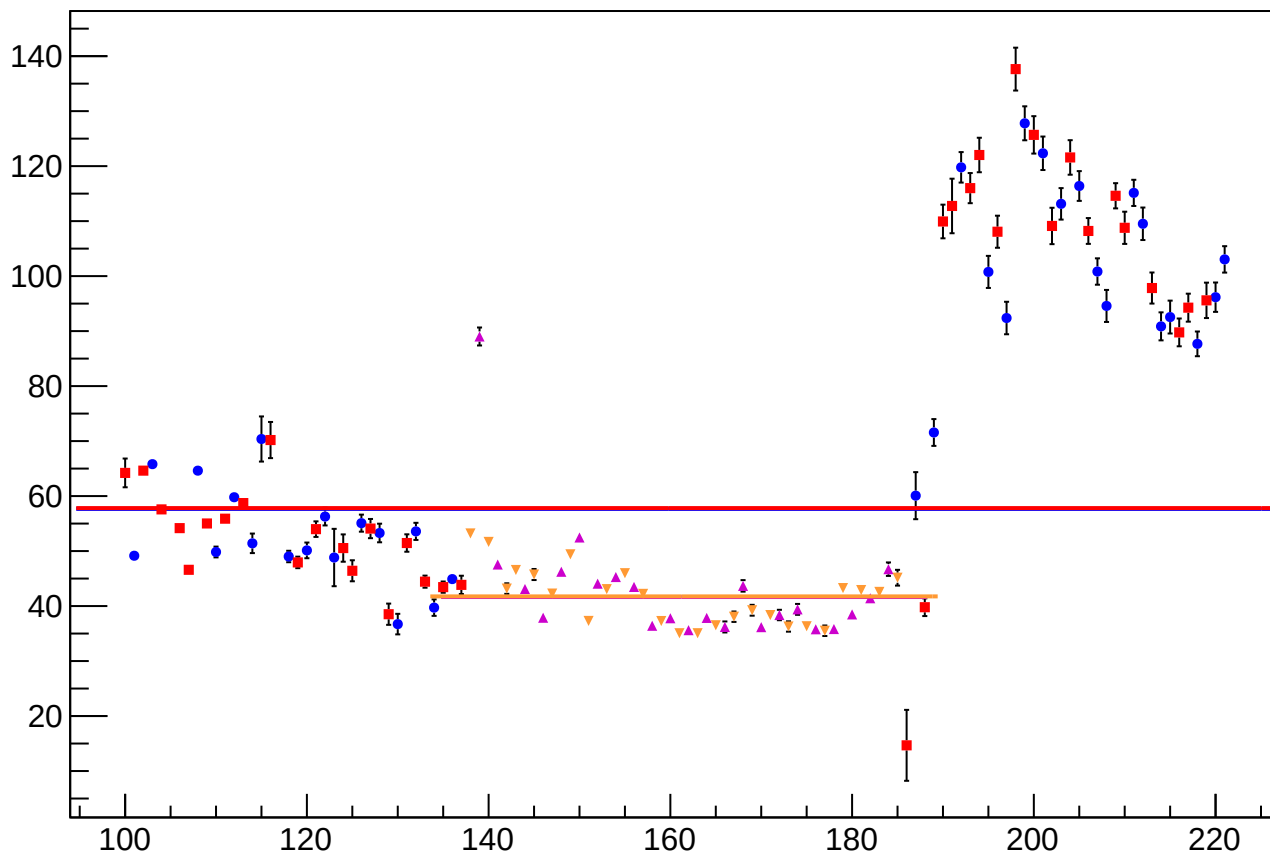
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 20.514 $\pm$ 0.186 χ^2 /NDF: 868.0/42

All: 20.244 $\pm$ 0.134 χ^2 /NDF: 1955.2/83

- sign 19.951 $\pm$ 0.194 χ^2 /NDF: 1082.9/40

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 57.666 $\pm$ 0.201 χ^2 /NDF: 6817.4/34

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

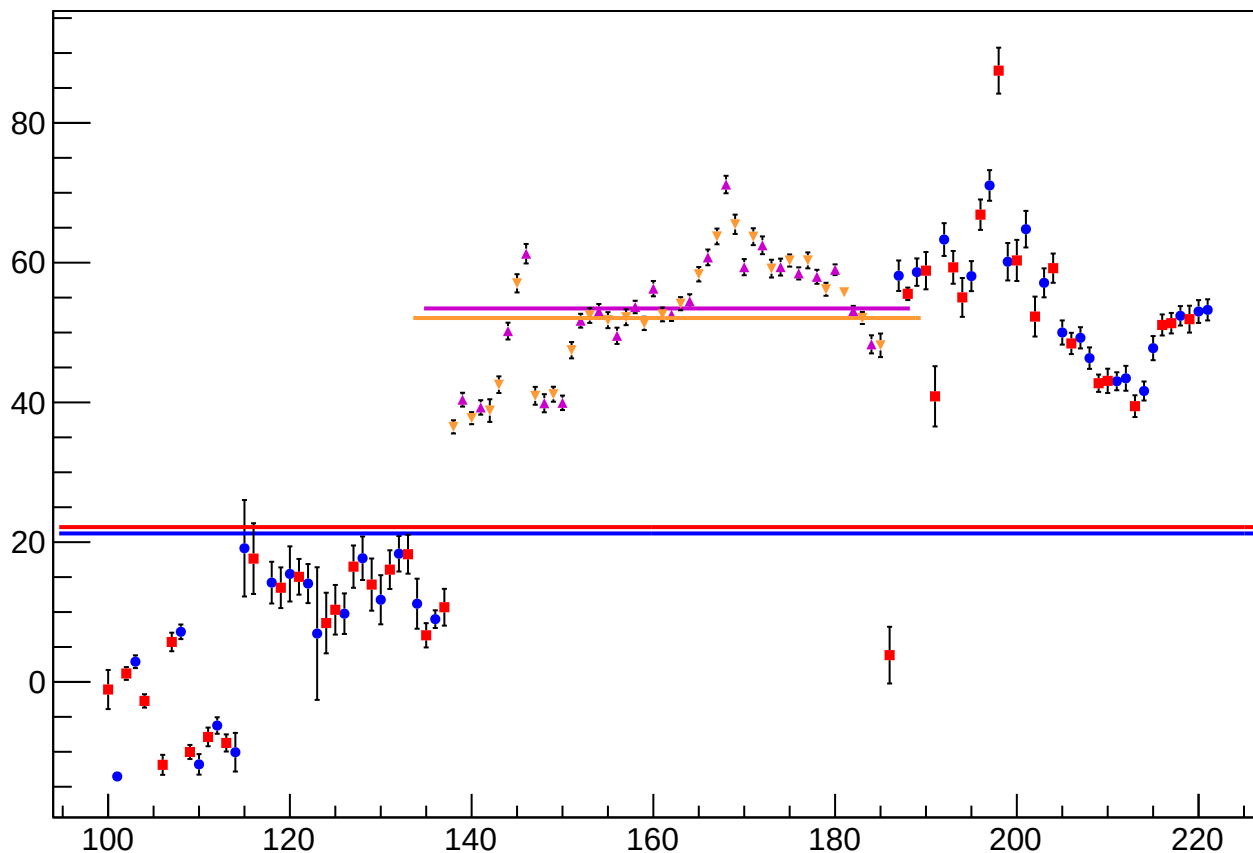
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 48.196 $\pm$ 0.128 χ^2 /NDF: 11579.5/59

All: 48.126 $\pm$ 0.093 χ^2 /NDF: 23192.3/119

- sign 48.047 $\pm$ 0.135 χ^2 /NDF: 11612.2/59

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 21.248 $\pm$ 0.273 χ^2 /NDF: 10717.2/34

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

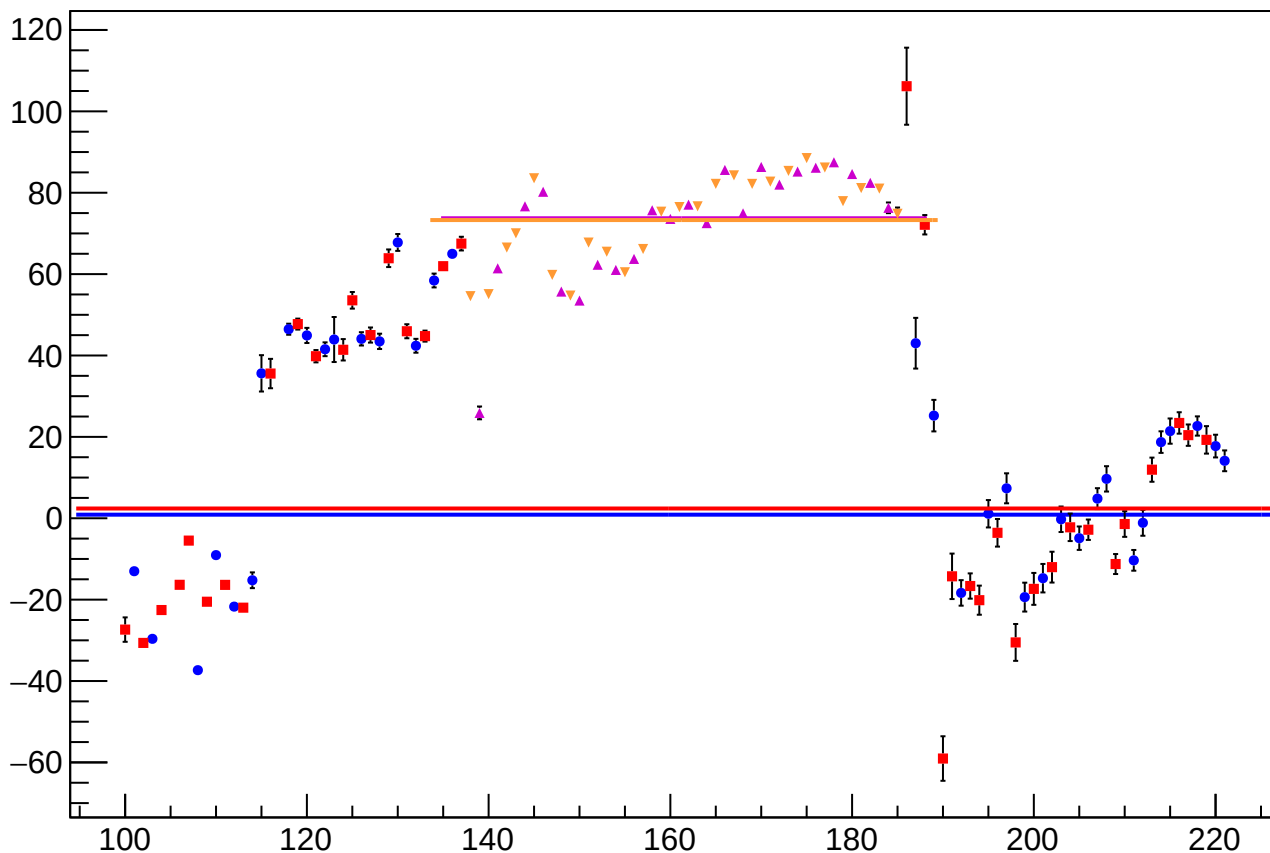
Left In: 53.447 $\pm$ 0.215 χ^2 /NDF:1169.0/22

+ sign 40.611 $\pm$ 0.166 χ^2 /NDF: 20182.3/59

All: 41.236 $\pm$ 0.119 χ^2 /NDF: 38739.7/119

- sign 41.896 $\pm$ 0.171 χ^2 /NDF: 18528.4/59

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.882 ± 0.234 χ^2/NDF : 18676.0/34

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.398 ± 0.252 χ^2/NDF : 16886.0/36

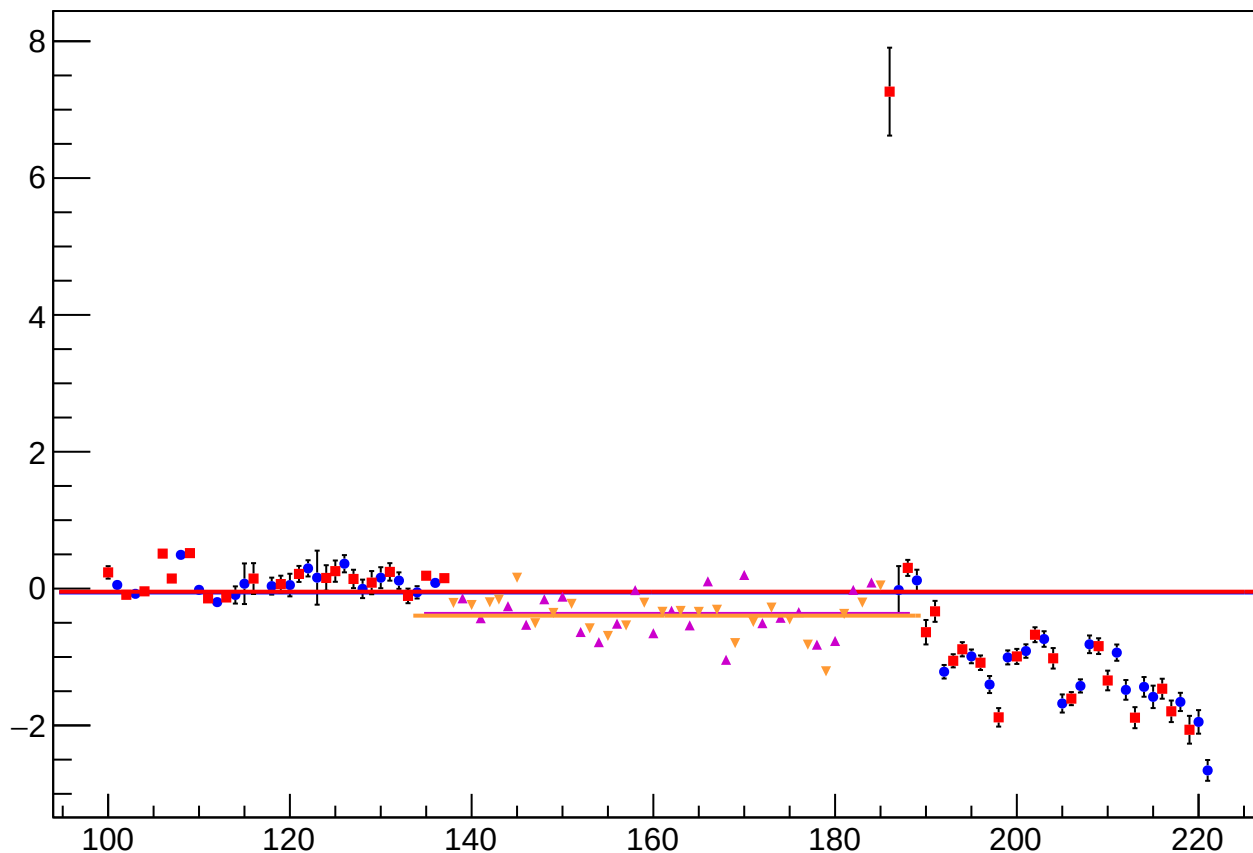
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 45.097 ± 0.146 χ^2/NDF : 80276.7/59

All: 46.053 ± 0.106 χ^2/NDF : 151298.3/119

- sign 47.115 ± 0.154 χ^2/NDF : 70931.1/59

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.057 ± 0.010 χ^2/NDF : 2426.4/34

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: -0.046 ± 0.010 χ^2/NDF : 2149.4/36

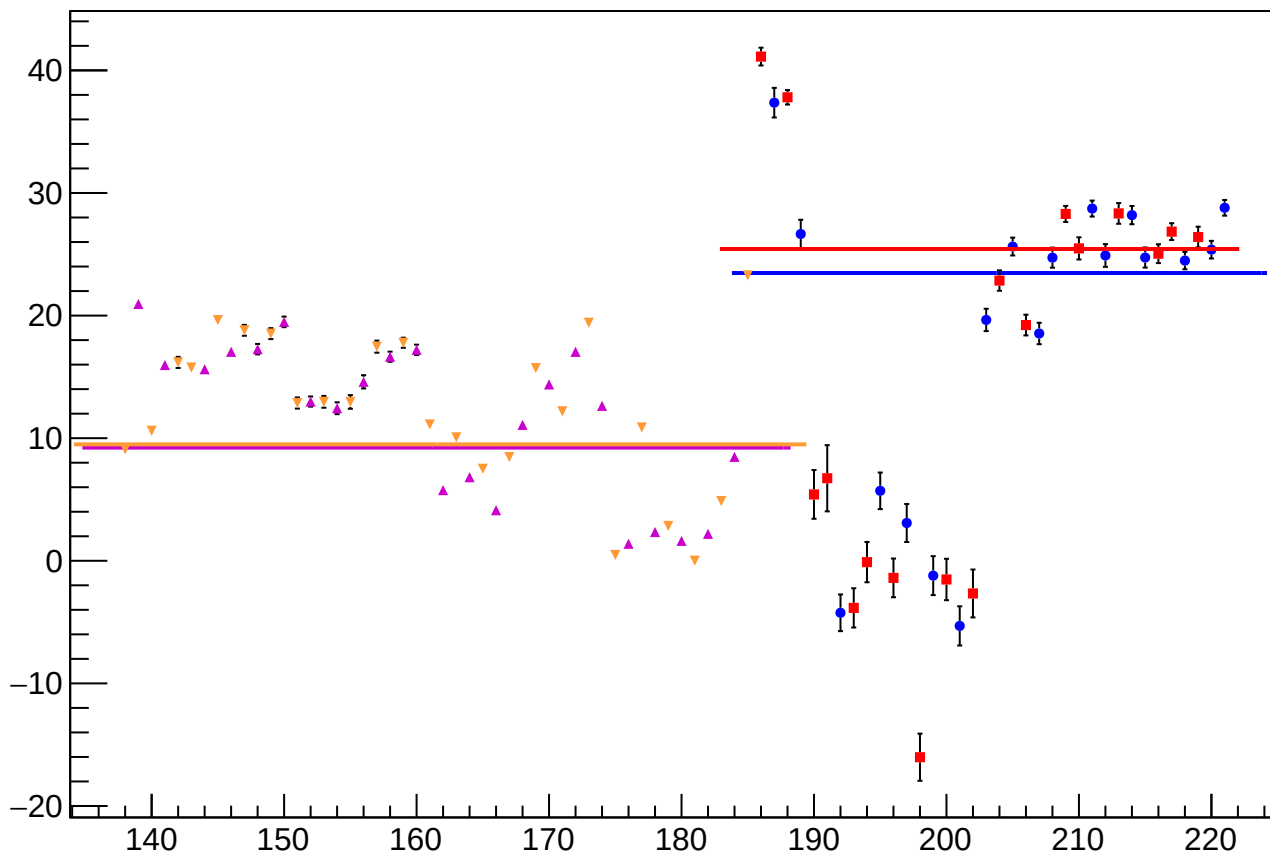
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.258 ± 0.007 χ^2/NDF : 4013.9/59

All: -0.247 ± 0.005 χ^2/NDF : 8060.4/119

- sign -0.236 ± 0.007 χ^2/NDF : 4040.9/59

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 23.472 ± 0.210 $\chi^2/\text{NDF}: 1612.5/17$

Left Out: 9.495 ± 0.061 $\chi^2/\text{NDF}: 12609.1/24$

Right Out: 25.432 ± 0.222 $\chi^2/\text{NDF}: 2944.3/17$

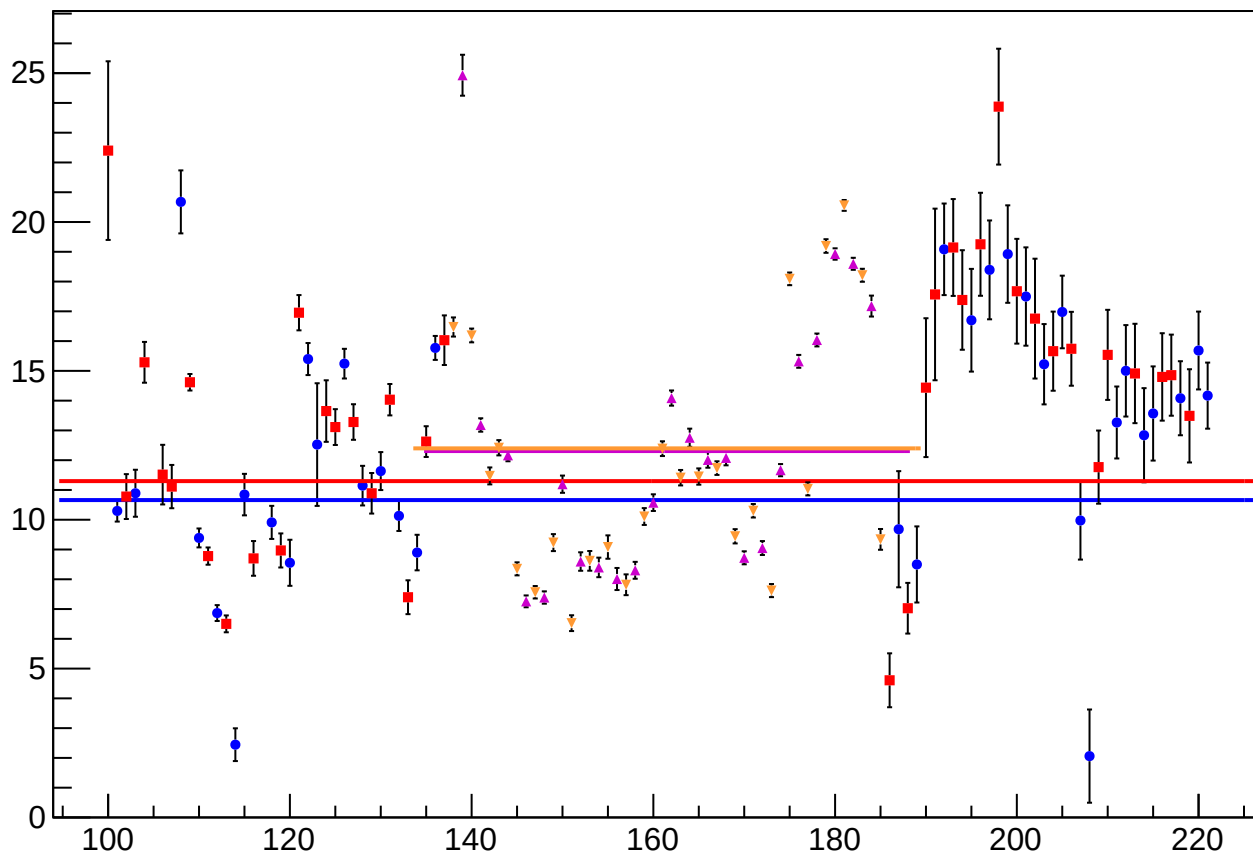
Left In: 9.231 ± 0.063 $\chi^2/\text{NDF}: 10736.2/22$

+ sign 10.587 ± 0.059 $\chi^2/\text{NDF}: 18291.7/42$

All: 10.514 ± 0.042 $\chi^2/\text{NDF}: 36886.5/83$

- sign 10.435 ± 0.061 $\chi^2/\text{NDF}: 18591.6/40$

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.660 ± 0.113 χ^2/NDF : 1106.7/34

Left Out: 12.397 ± 0.050 χ^2/NDF : 7542.8/24

Right Out: 11.297 ± 0.110 χ^2/NDF : 1076.8/36

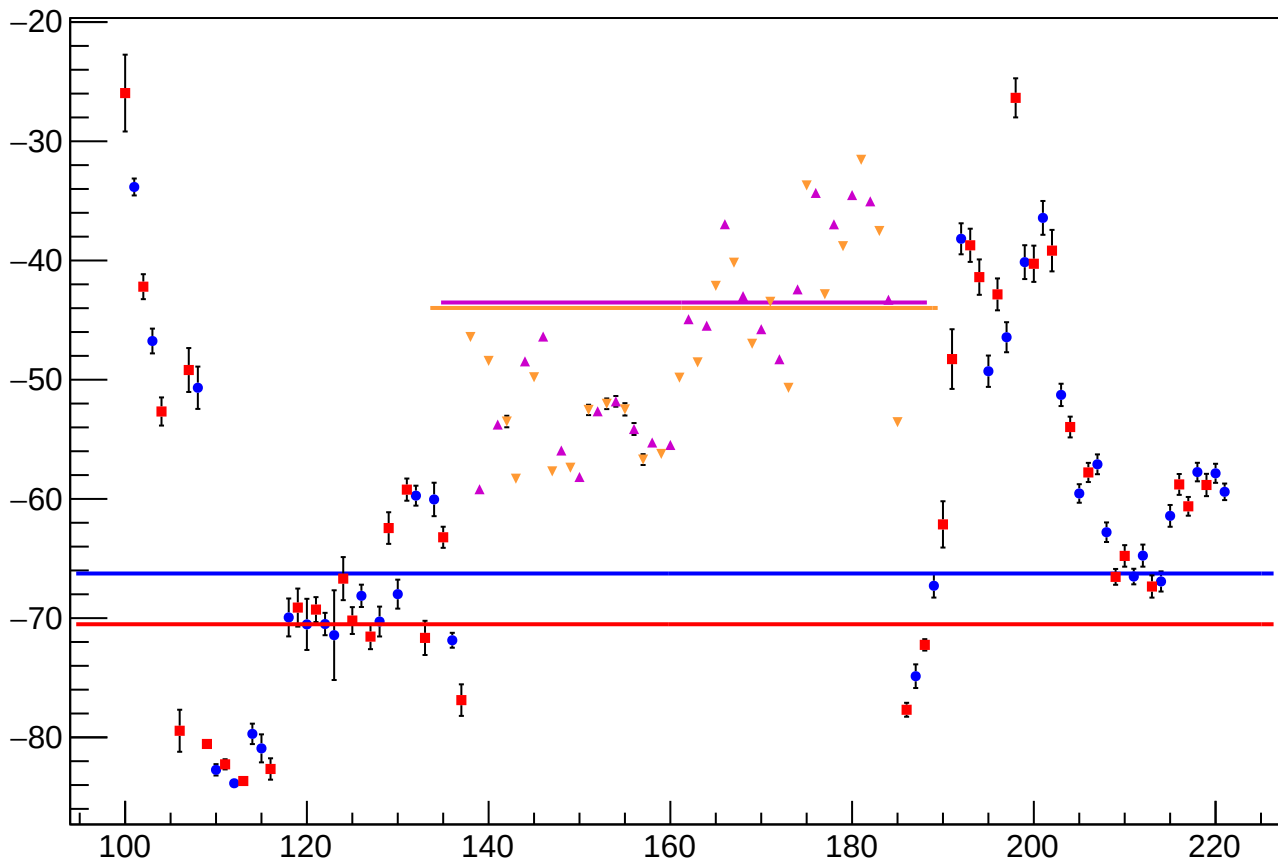
Left In: 12.307 ± 0.051 χ^2/NDF : 5601.8/22

+ sign 12.114 ± 0.045 χ^2/NDF : 8848.4/59

All: 12.121 ± 0.032 χ^2/NDF : 15596.2/119

- sign 12.127 ± 0.046 χ^2/NDF : 6747.8/59

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -66.256 ± 0.145 $\chi^2/\text{NDF}: 9026.6/34$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -70.513 ± 0.138 $\chi^2/\text{NDF}: 8618.7/36$

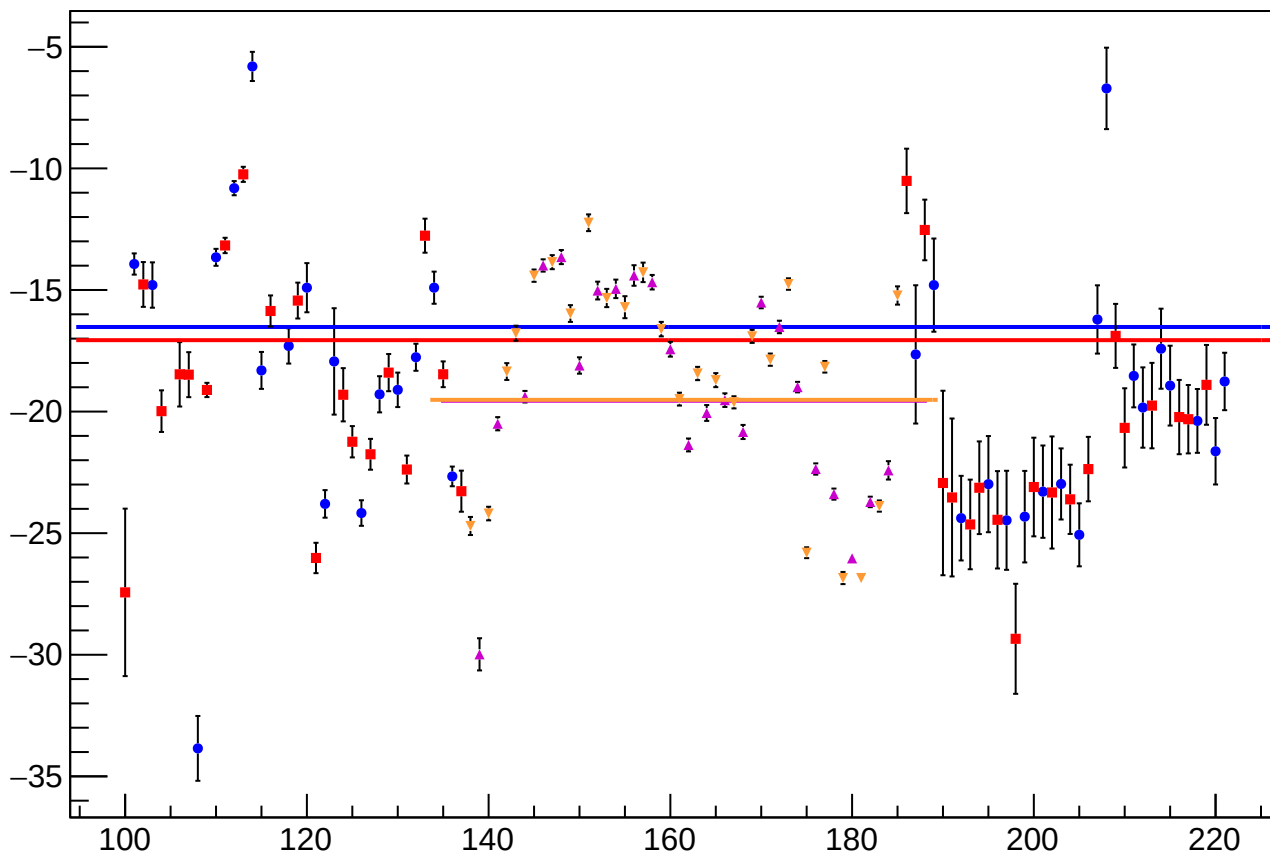
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -47.406 ± 0.057 $\chi^2/\text{NDF}: 46644.5/59$

All: -47.805 ± 0.040 $\chi^2/\text{NDF}: 102199.7/119$

- sign -48.213 ± 0.058 $\chi^2/\text{NDF}: 55455.8/59$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.521 ± 0.125 $\chi^2/\text{NDF}: 1841.1/34$

Left Out: -19.517 ± 0.056 $\chi^2/\text{NDF}: 6518.3/24$

Right Out: -17.063 ± 0.122 $\chi^2/\text{NDF}: 1401.8/36$

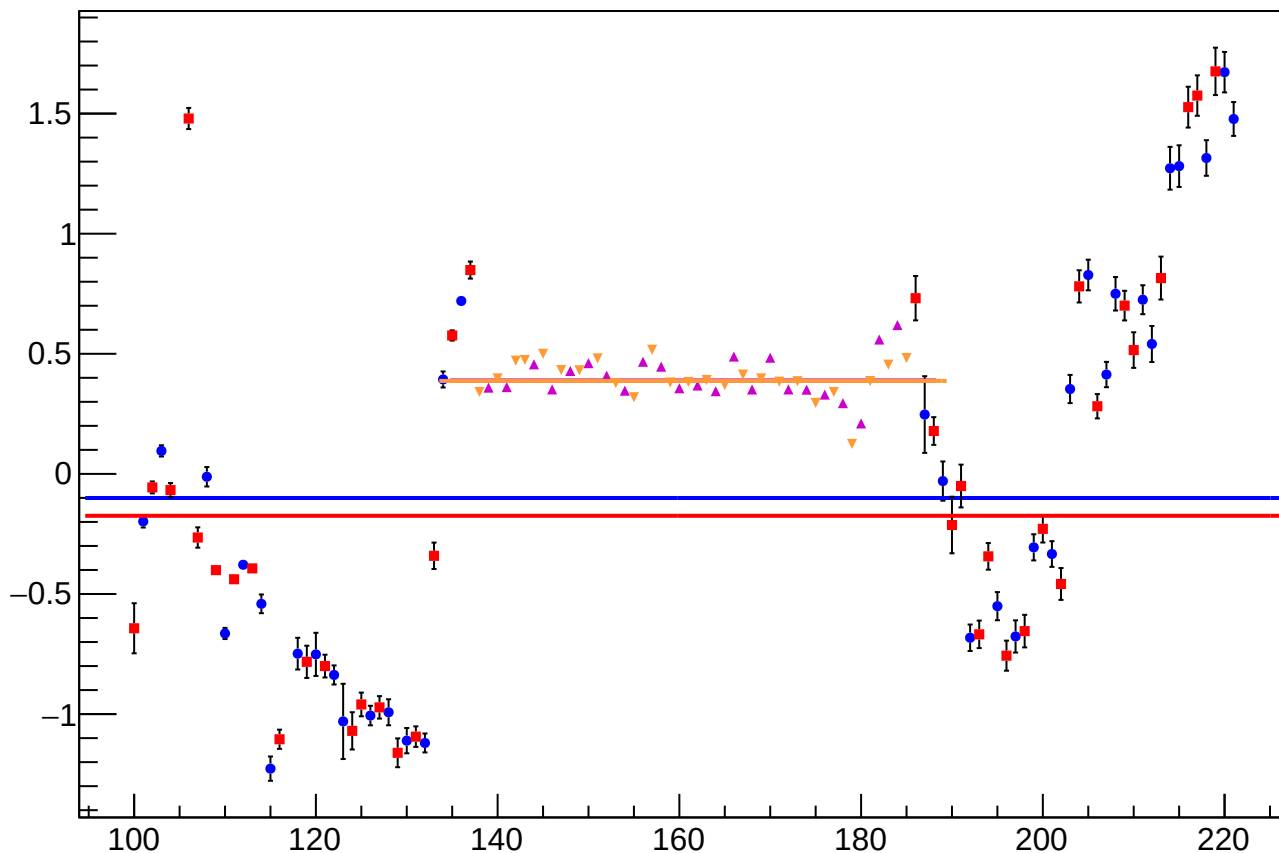
Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

+ sign -19.020 ± 0.051 $\chi^2/\text{NDF}: 8838.1/59$

All: -19.061 ± 0.036 $\chi^2/\text{NDF}: 14894.0/119$

- sign -19.104 ± 0.052 $\chi^2/\text{NDF}: 6054.6/59$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.100 ± 0.007 χ^2/NDF : 9335.3/34

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.174 ± 0.007 χ^2/NDF : 8508.0/36

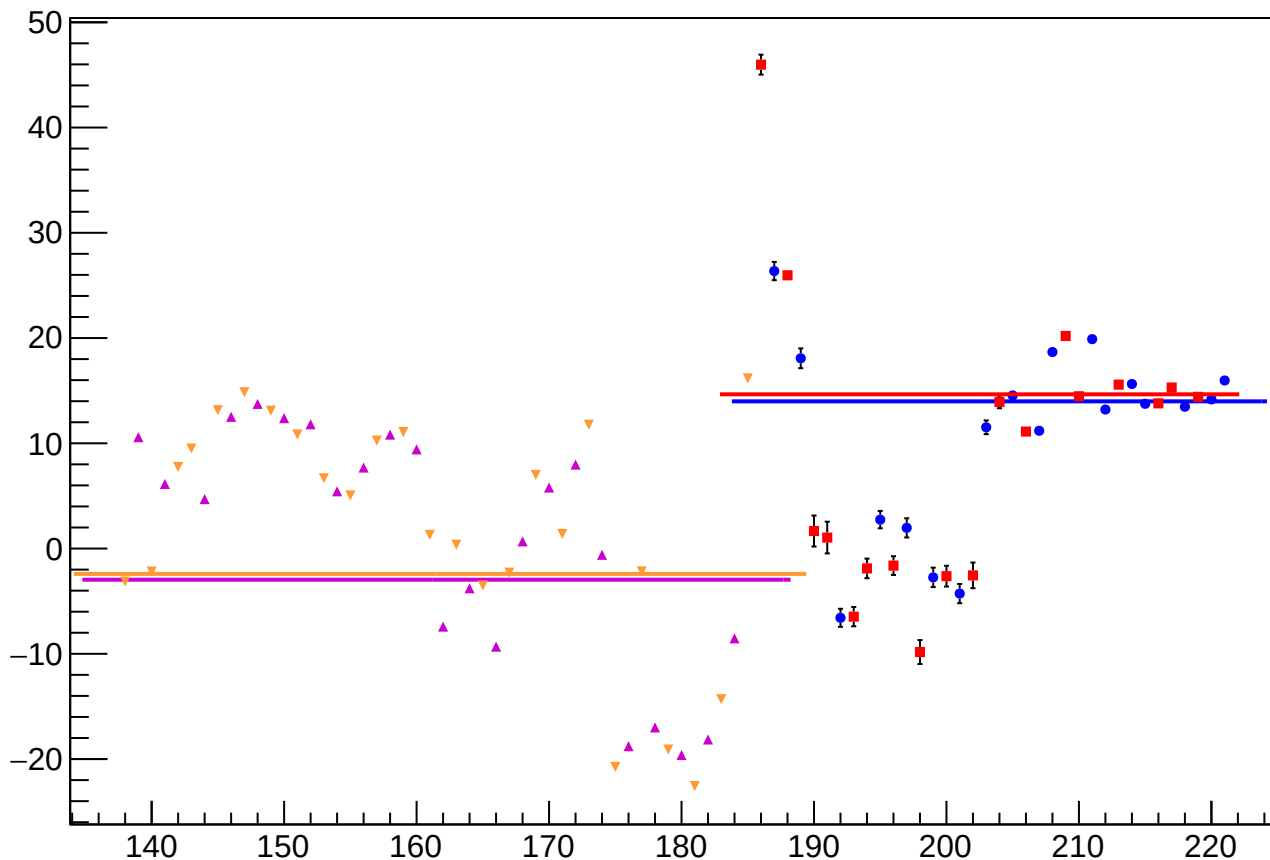
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.327 ± 0.002 χ^2/NDF : 14820.7/59

All: 0.319 ± 0.002 χ^2/NDF : 30960.5/119

- sign 0.312 ± 0.002 χ^2/NDF : 16120.4/59

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 13.986 ± 0.113 χ^2/NDF : 2413.0/17

Left Out: -2.407 ± 0.053 χ^2/NDF : 56368.5/24

Right Out: 14.653 ± 0.125 χ^2/NDF : 4440.2/17

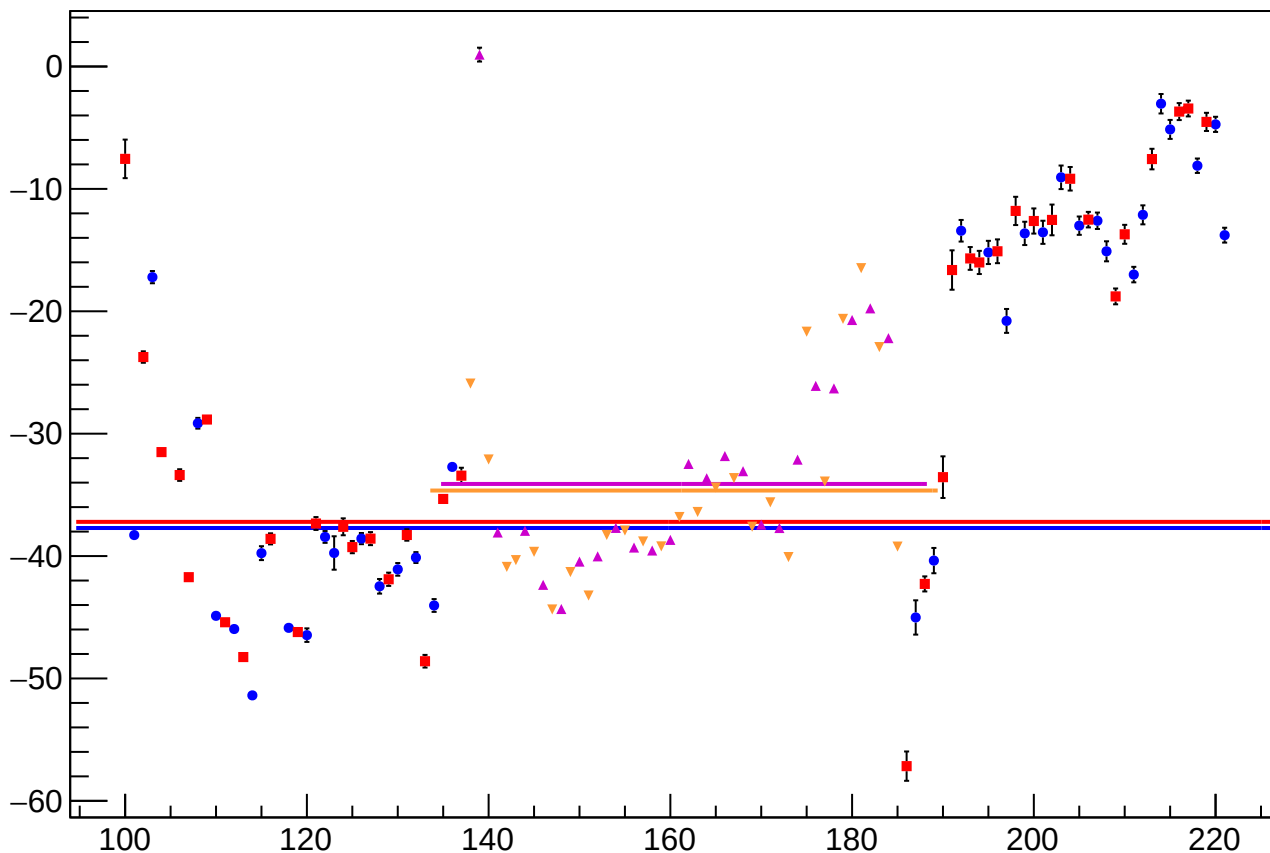
Left In: -2.959 ± 0.055 χ^2/NDF : 45922.6/22

+ sign 0.536 ± 0.048 χ^2/NDF : 76099.9/42

All: 0.220 ± 0.035 χ^2/NDF : 143119.3/83

- sign -0.129 ± 0.050 χ^2/NDF : 66927.6/40

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -37.708 ± 0.072 $\chi^2/\text{NDF}: 29568.8/34$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -37.205 ± 0.068 $\chi^2/\text{NDF}: 28724.1/36$

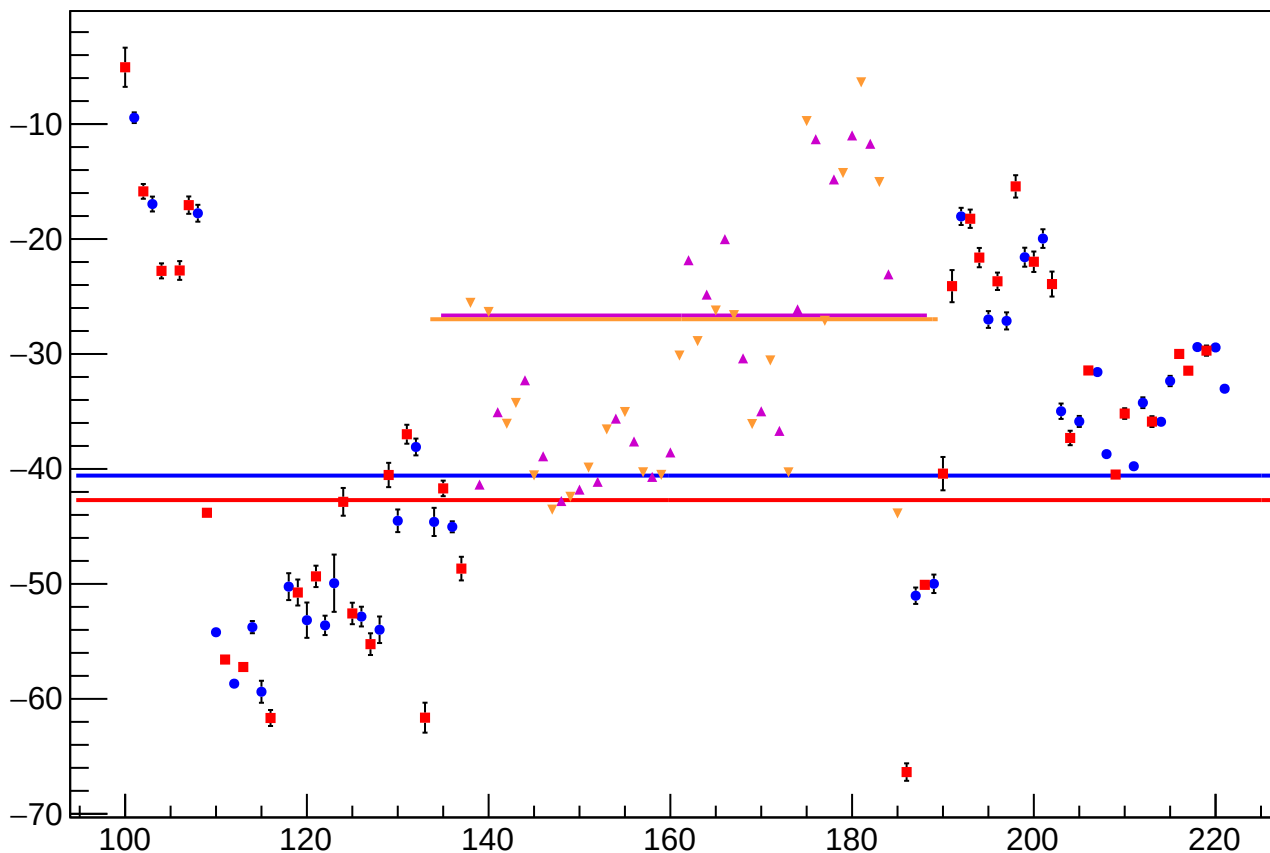
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -35.417 ± 0.036 $\chi^2/\text{NDF}: 65596.4/59$

All: -35.220 ± 0.026 $\chi^2/\text{NDF}: 124885.1/119$

- sign -35.013 ± 0.037 $\chi^2/\text{NDF}: 59227.7/59$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -40.578 ± 0.085 χ^2/NDF : 25504.6/34

Left Out: -26.978 ± 0.053 χ^2/NDF : 49361.1/24

Right Out: -42.709 ± 0.082 χ^2/NDF : 23754.8/36

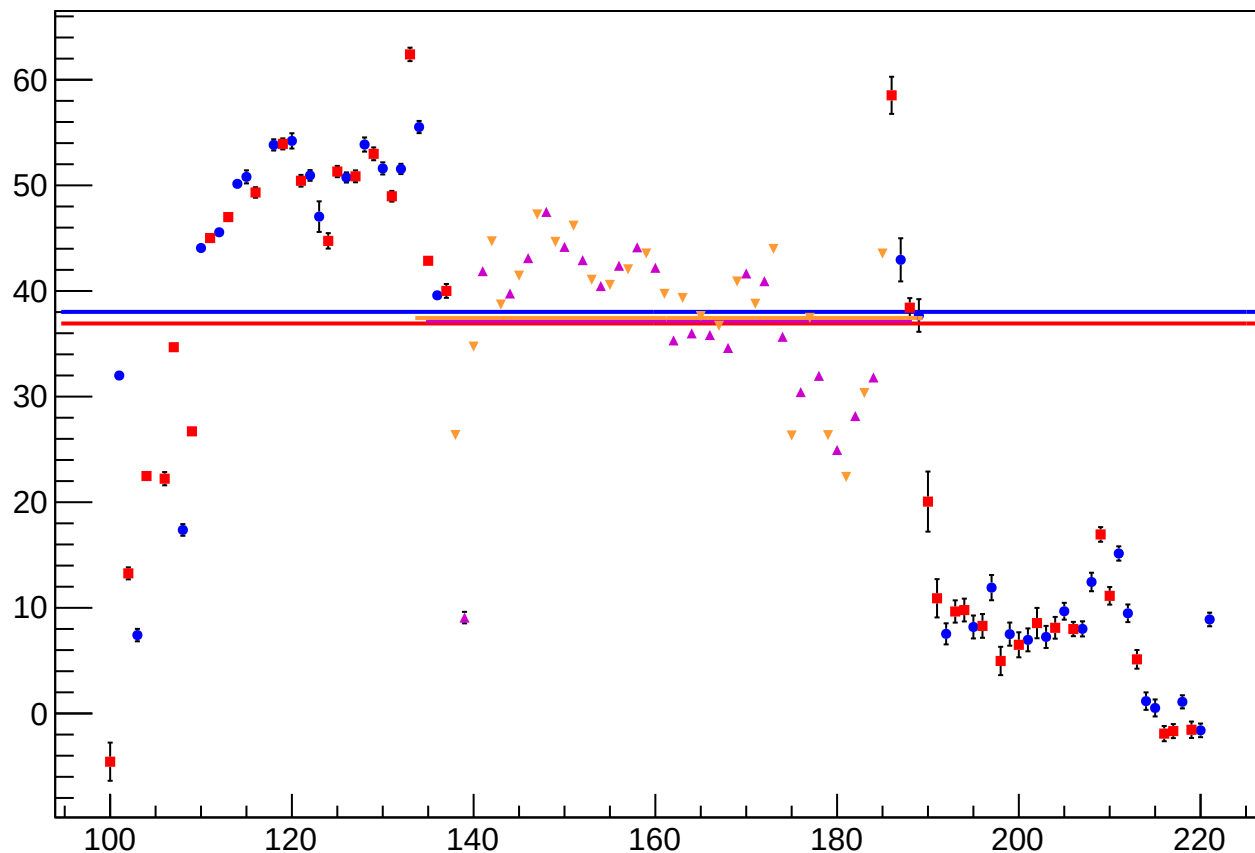
Left In: -26.654 ± 0.055 χ^2/NDF : 42106.8/22

+ sign -30.810 ± 0.045 χ^2/NDF : 93287.2/59

All: -31.228 ± 0.032 χ^2/NDF : 185930.4/119

- sign -31.655 ± 0.046 χ^2/NDF : 92469.2/59

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 38.022 $\pm$ 0.080 χ^2 /NDF: 39111.2/34

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF: 21570.6/24

Right Out: 36.924 $\pm$ 0.076 χ^2 /NDF: 37934.6/36

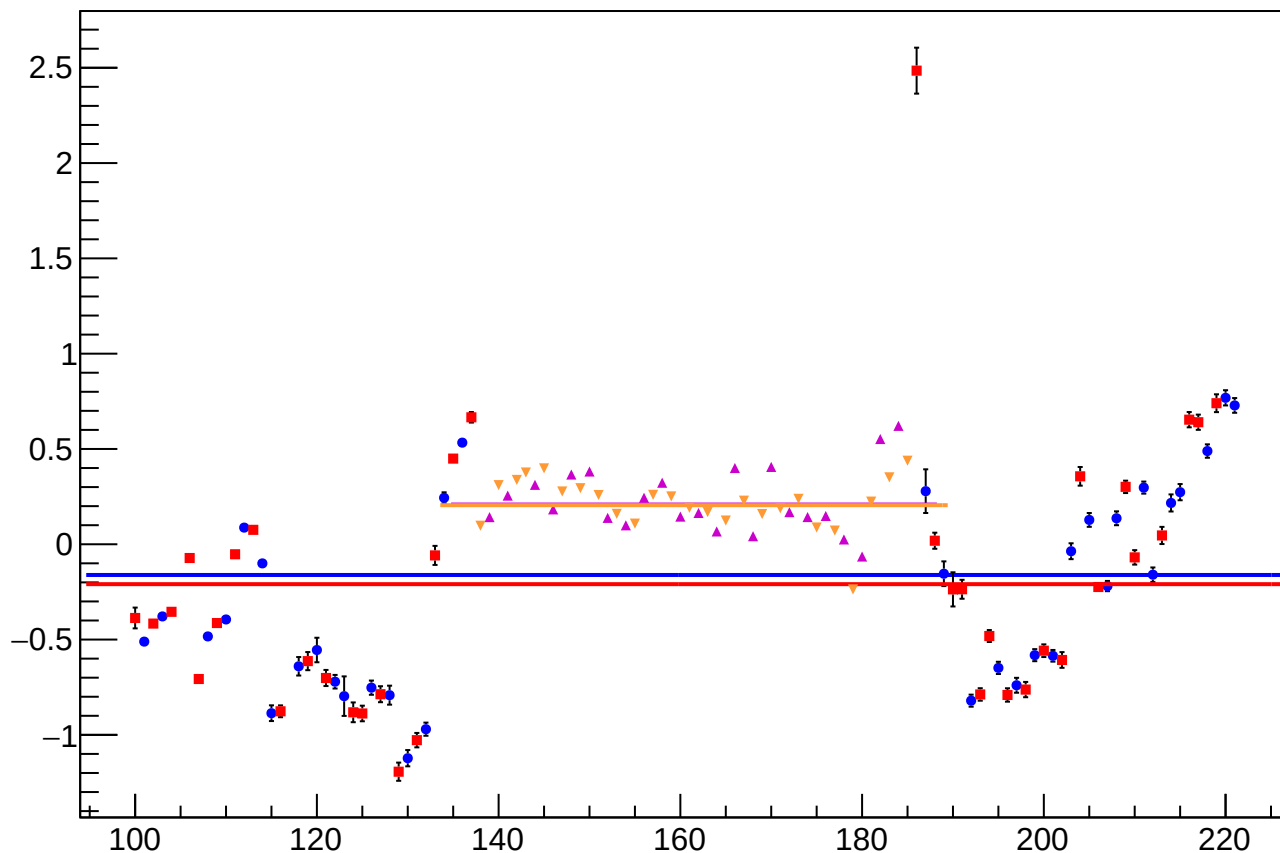
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF: 17236.9/22

+ sign 37.595 $\pm$ 0.041 χ^2 /NDF: 60720.3/59

All: 37.350 $\pm$ 0.029 χ^2 /NDF: 115973.7/119

- sign 37.096 $\pm$ 0.041 χ^2 /NDF: 55178.9/59

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.161 ± 0.004 $\chi^2/\text{NDF}: 10578.2/34$

Left Out: 0.205 ± 0.002 $\chi^2/\text{NDF}: 3826.2/24$

Right Out: -0.209 ± 0.004 $\chi^2/\text{NDF}: 10760.3/36$

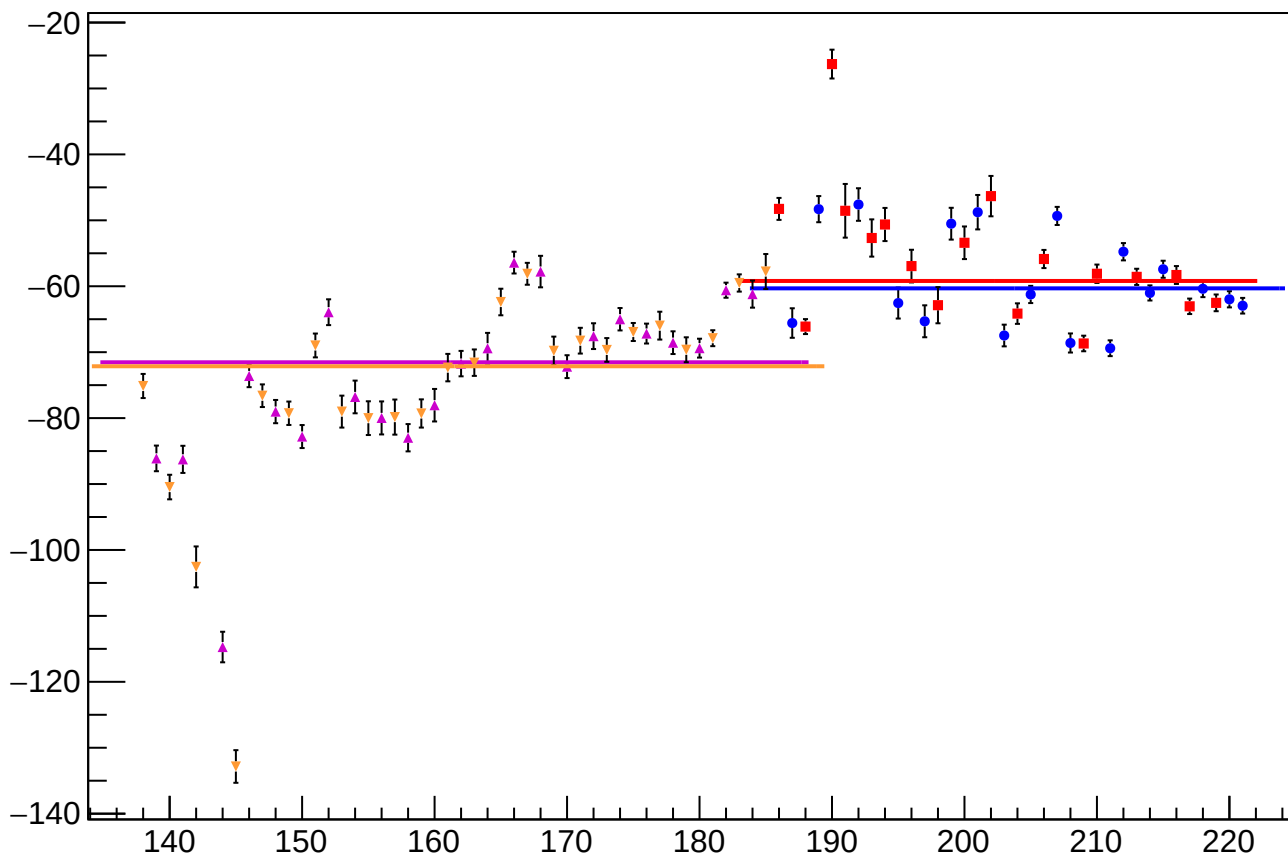
Left In: 0.208 ± 0.002 $\chi^2/\text{NDF}: 5094.6/22$

+ sign 0.129 ± 0.002 $\chi^2/\text{NDF}: 20332.3/59$

All: 0.117 ± 0.001 $\chi^2/\text{NDF}: 44883.8/119$

- sign 0.104 ± 0.002 $\chi^2/\text{NDF}: 24474.2/59$

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -60.320 ± 0.356 χ^2/NDF : 313.7/17

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -59.198 ± 0.378 χ^2/NDF : 455.5/17

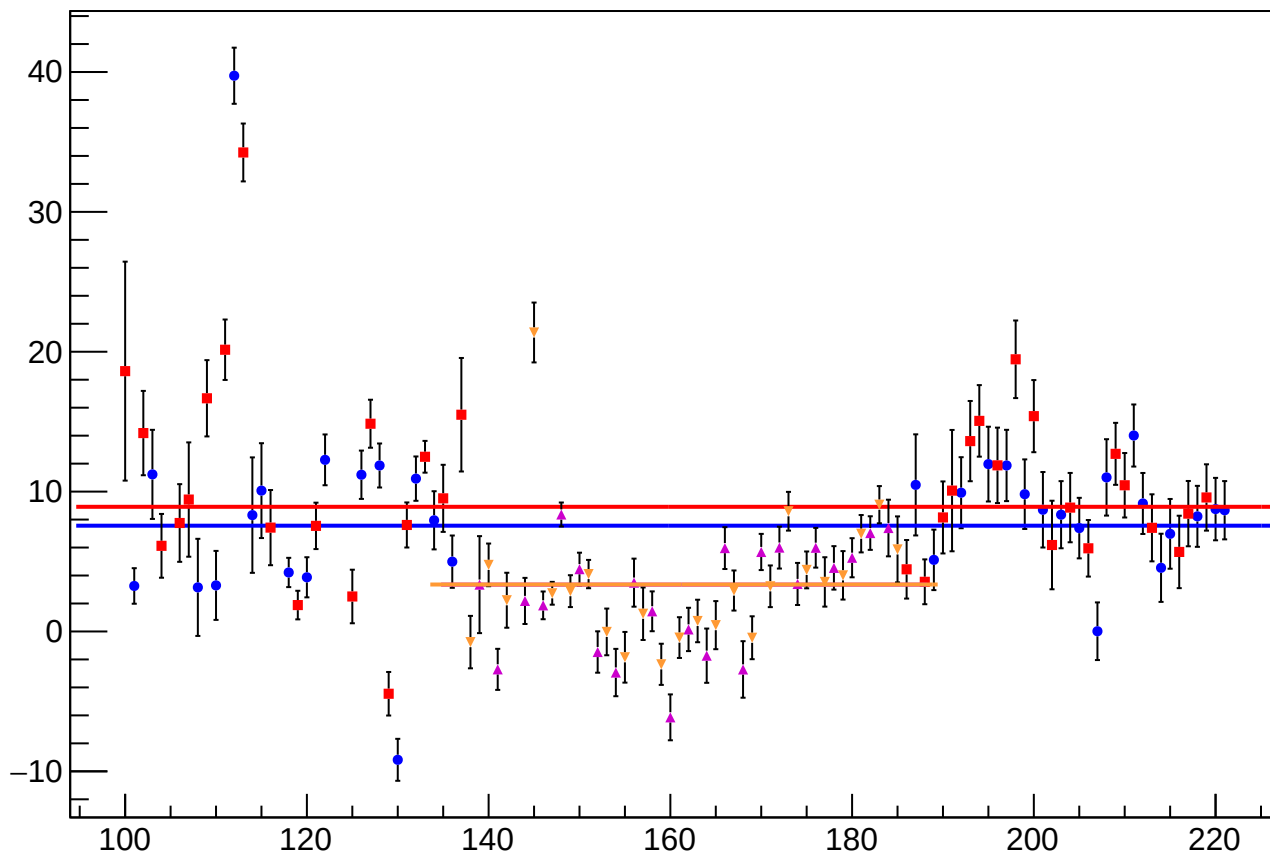
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -65.803 ± 0.261 χ^2/NDF : 1945.8/41

All: -65.565 ± 0.187 χ^2/NDF : 3781.4/82

- sign -65.312 ± 0.269 χ^2/NDF : 1833.8/40

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.563 ± 0.346 $\chi^2/\text{NDF}: 477.2/33$

Left Out: 3.357 ± 0.295 $\chi^2/\text{NDF}: 167.7/23$

Right Out: 8.913 ± 0.352 $\chi^2/\text{NDF}: 404.4/35$

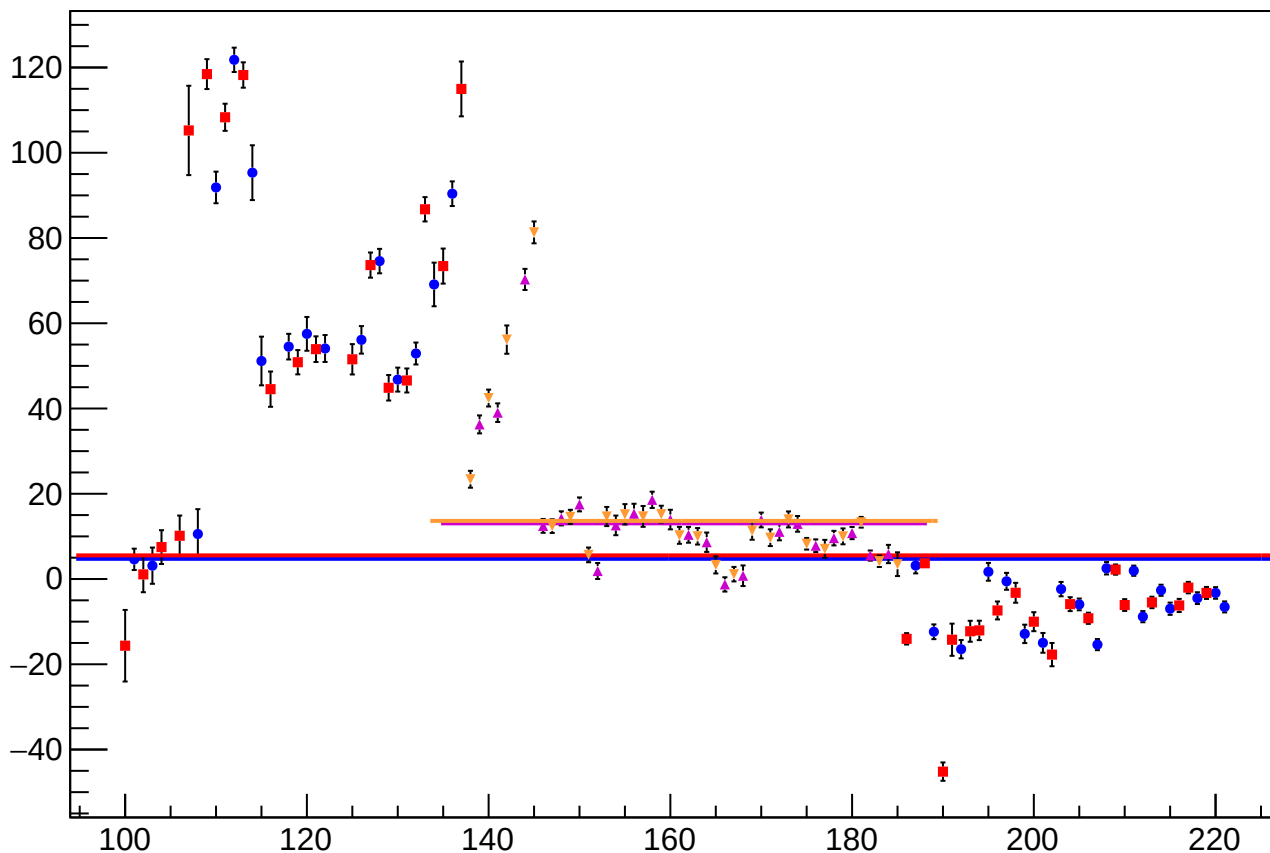
Left In: 3.349 ± 0.298 $\chi^2/\text{NDF}: 163.5/22$

+ sign 5.124 ± 0.224 $\chi^2/\text{NDF}: 730.4/57$

All: 5.395 ± 0.160 $\chi^2/\text{NDF}: 1446.7/116$

- sign 5.673 ± 0.228 $\chi^2/\text{NDF}: 713.3/58$

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 4.738 ± 0.332 χ^2/NDF : 6679.1/33

Left Out: 13.632 ± 0.382 χ^2/NDF : 1300.0/23

Right Out: 5.546 ± 0.338 χ^2/NDF : 8205.2/35

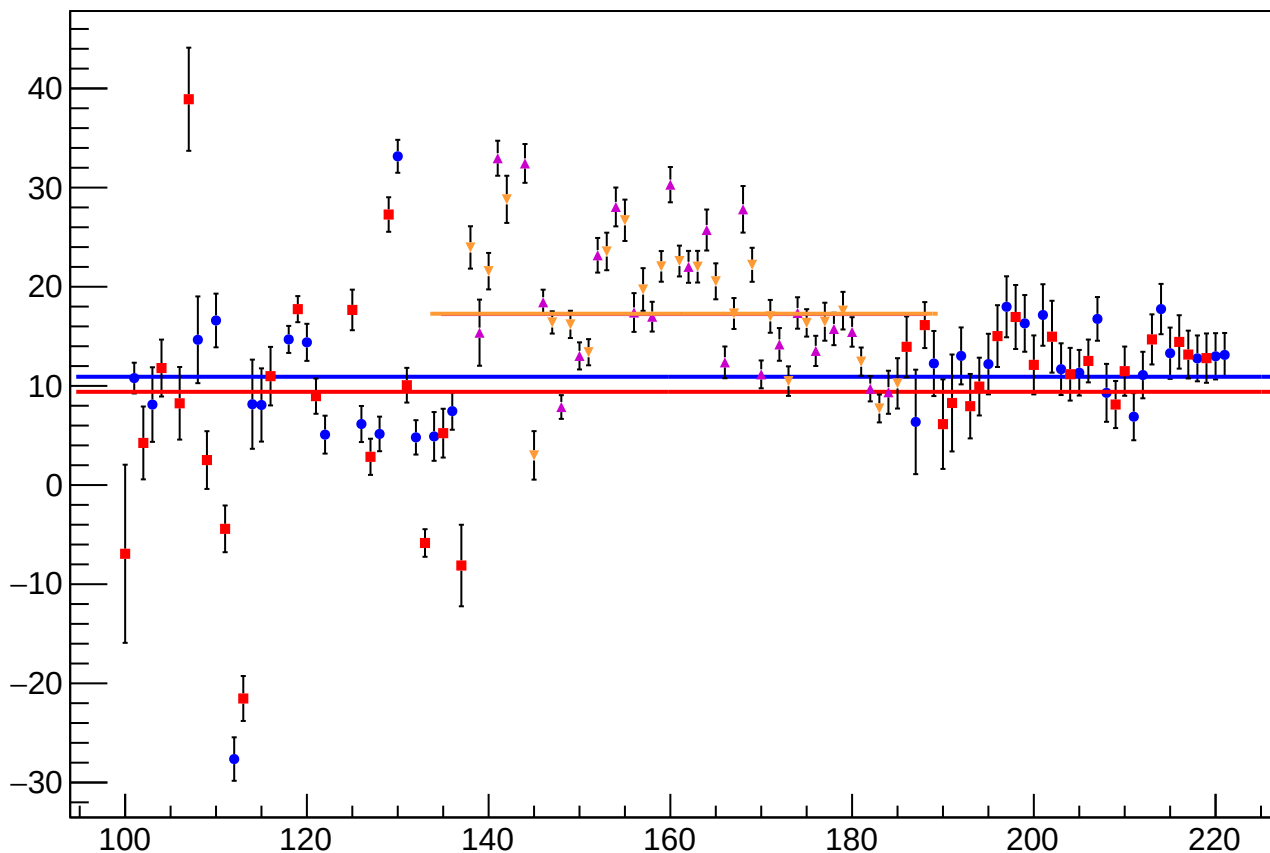
Left In: 13.058 ± 0.380 χ^2/NDF : 1024.7/22

+ sign 8.562 ± 0.250 χ^2/NDF : 8288.5/57

All: 8.713 ± 0.178 χ^2/NDF : 17737.4/116

- sign 8.867 ± 0.253 χ^2/NDF : 9448.2/58

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.921 ± 0.393 $\chi^2/\text{NDF}: 590.4/33$

Left Out: 17.280 ± 0.337 $\chi^2/\text{NDF}: 243.9/23$

Right Out: 9.403 ± 0.406 $\chi^2/\text{NDF}: 619.8/35$

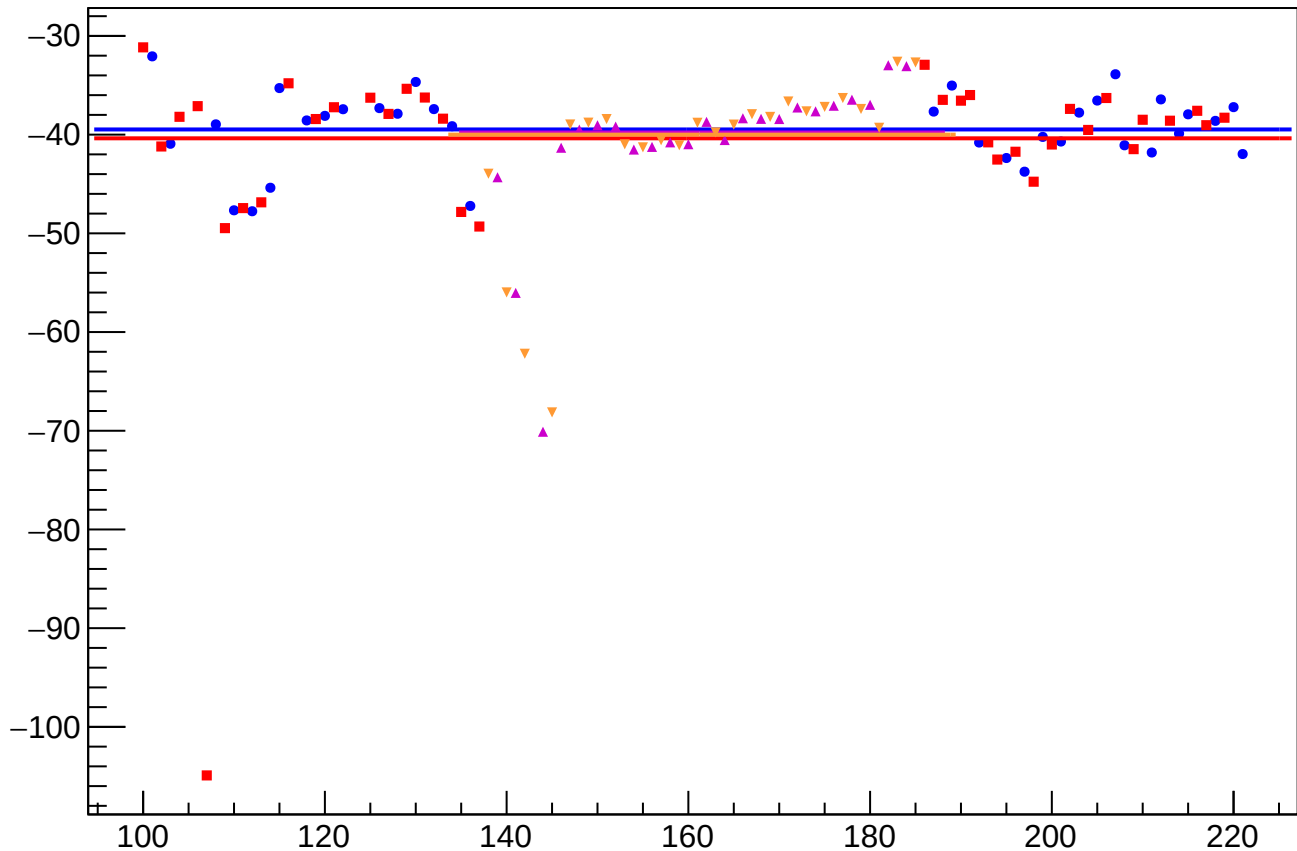
Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

+ sign 14.586 ± 0.256 $\chi^2/\text{NDF}: 985.0/57$

All: 14.308 ± 0.183 $\chi^2/\text{NDF}: 2267.6/116$

- sign 14.019 ± 0.260 $\chi^2/\text{NDF}: 1280.2/58$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.475 ± 0.020 χ^2/NDF : 38545.9/33

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -40.374 ± 0.020 χ^2/NDF : 107993.6/35

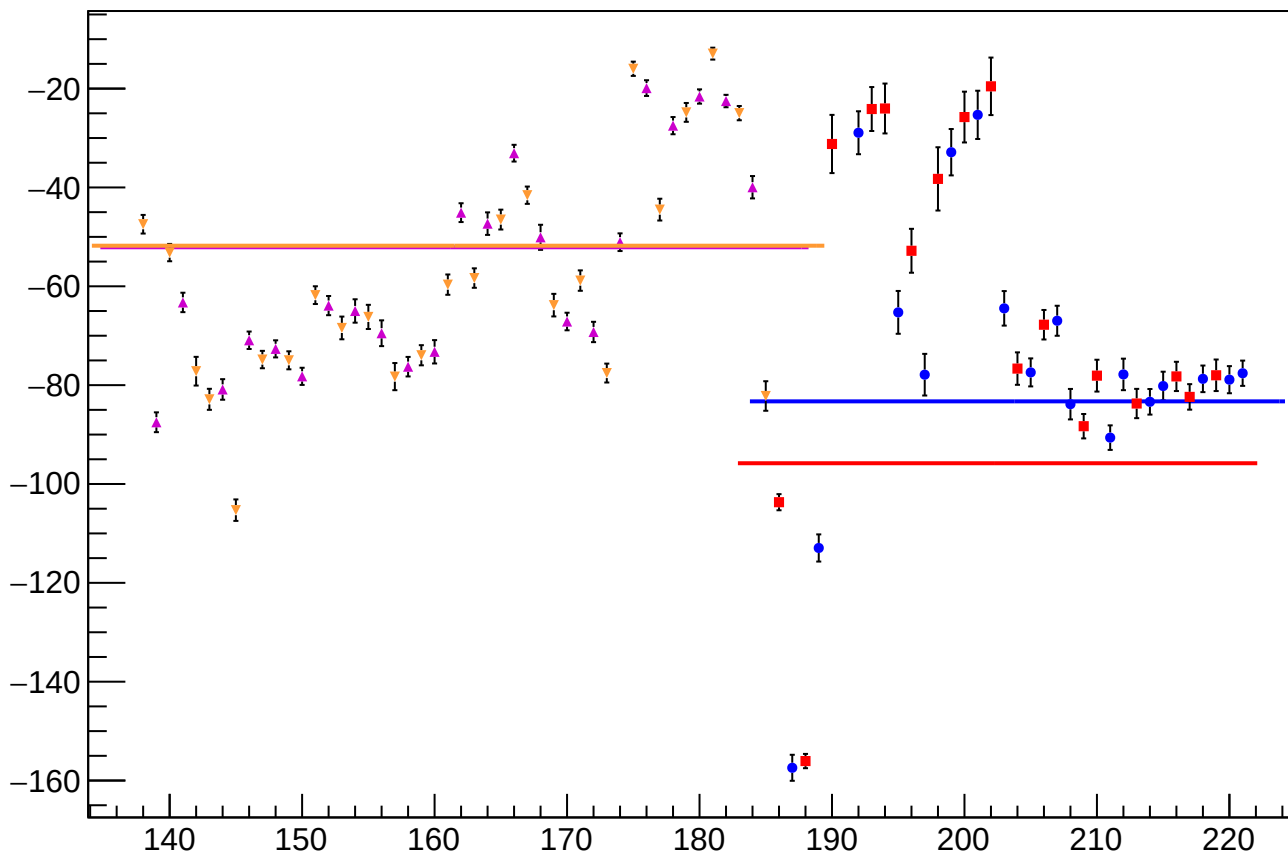
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -39.796 ± 0.012 χ^2/NDF : 211239.6/57

All: -39.902 ± 0.009 χ^2/NDF : 464414.8/116

- sign -40.009 ± 0.012 χ^2/NDF : 253026.8/58

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -83.281 $\pm$ 0.726 χ^2 /NDF: 1427.2/17

Left Out: -51.787 $\pm$ 0.383 χ^2 /NDF: 4164.8/24

Right Out: -95.801 $\pm$ 0.697 χ^2 /NDF: 3146.8/16

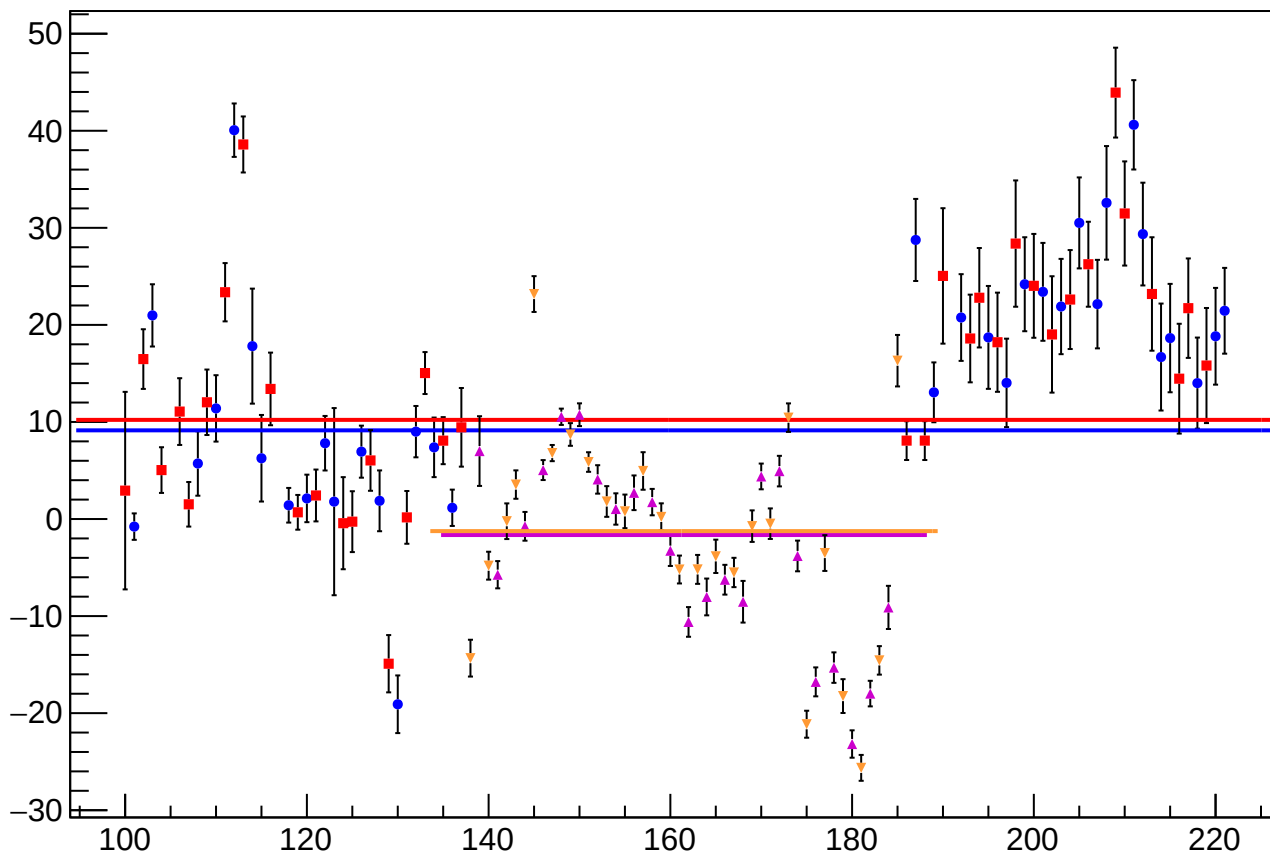
Left In: -52.104 $\pm$ 0.389 χ^2 /NDF: 3280.2/22

+ sign -58.639 $\pm$ 0.338 χ^2 /NDF: 7066.0/42

All: -60.545 $\pm$ 0.240 χ^2 /NDF: 16553.2/82

- sign -62.463 $\pm$ 0.339 χ^2 /NDF: 9423.6/39

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.136 ± 0.546 $\chi^2/\text{NDF}: 522.0/34$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 10.215 ± 0.543 $\chi^2/\text{NDF}: 422.3/35$

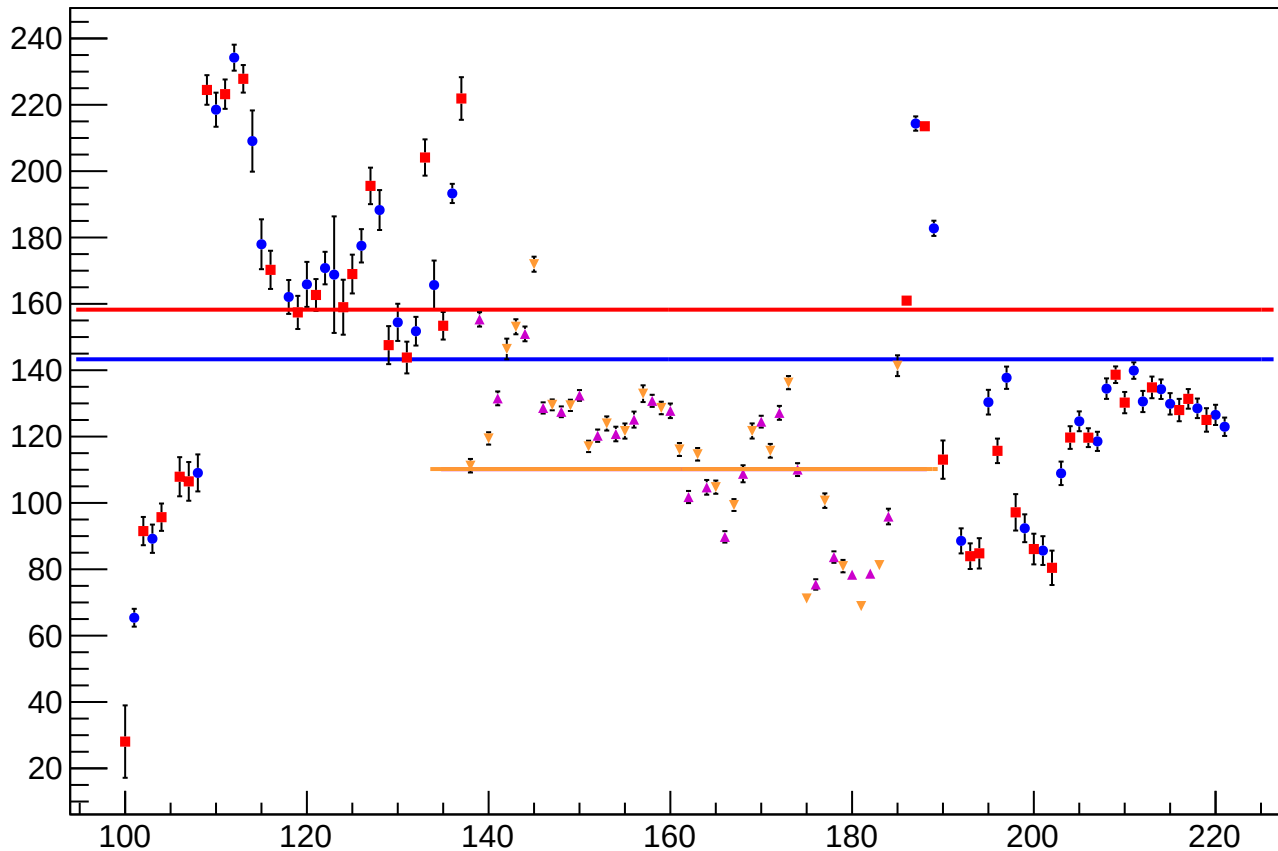
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 1.061 ± 0.257 $\chi^2/\text{NDF}: 2126.0/59$

All: 1.093 ± 0.184 $\chi^2/\text{NDF}: 4006.1/118$

- sign 1.125 ± 0.263 $\chi^2/\text{NDF}: 1880.1/58$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 143.293 ± 0.604 $\chi^2/\text{NDF}: 4636.5/34$

Left Out: 110.213 ± 0.382 $\chi^2/\text{NDF}: 4593.7/24$

Right Out: 158.252 ± 0.557 $\chi^2/\text{NDF}: 6163.6/35$

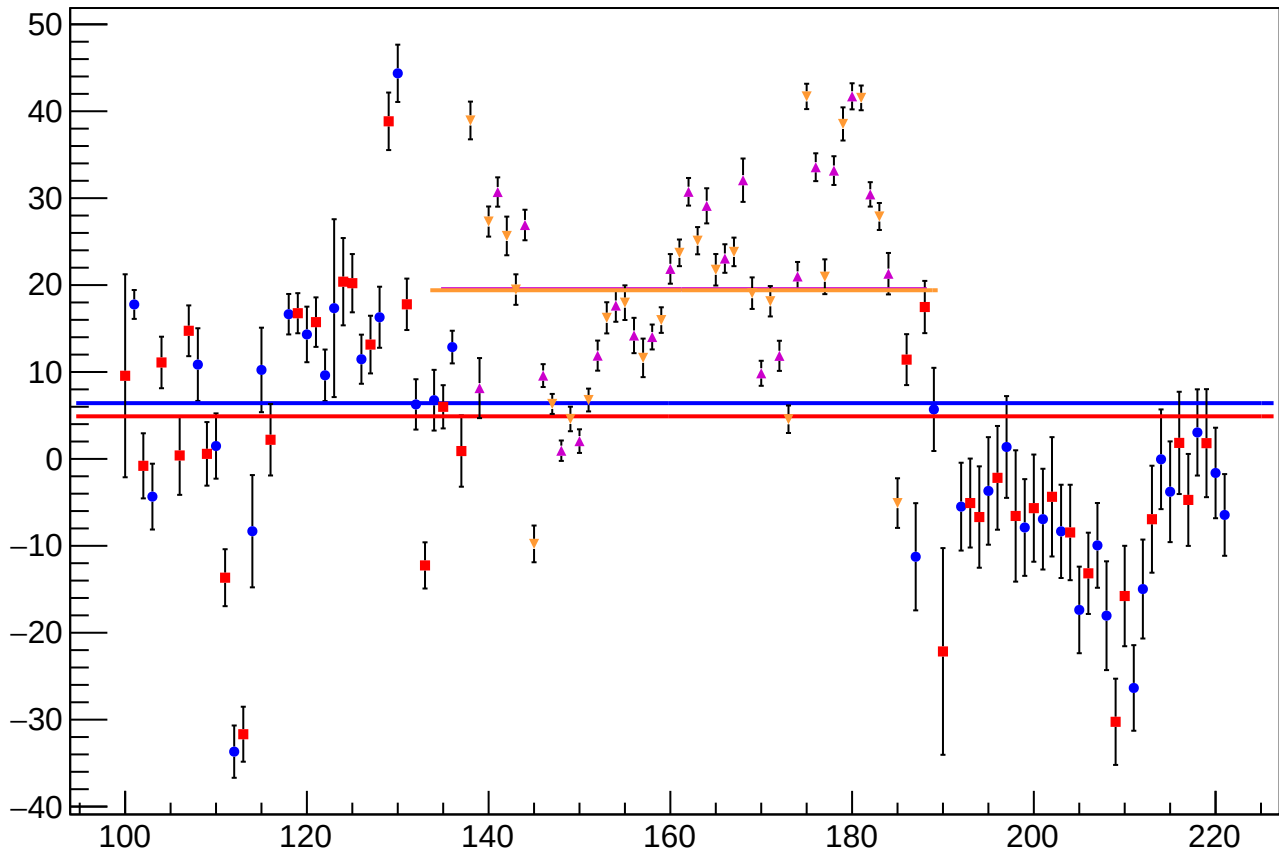
Left In: 110.171 ± 0.386 $\chi^2/\text{NDF}: 3702.6/22$

+ sign 119.662 ± 0.323 $\chi^2/\text{NDF}: 11371.6/59$

All: 122.778 ± 0.226 $\chi^2/\text{NDF}: 26460.1/118$

- sign 125.785 ± 0.317 $\chi^2/\text{NDF}: 14905.4/58$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 6.416 $\pm$ 0.626 χ^2/NDF : 583.3/34

Left Out: 19.405 $\pm$ 0.335 χ^2/NDF :1453.4/24

Right Out: 4.900 $\pm$ 0.639 χ^2/NDF : 566.6/35

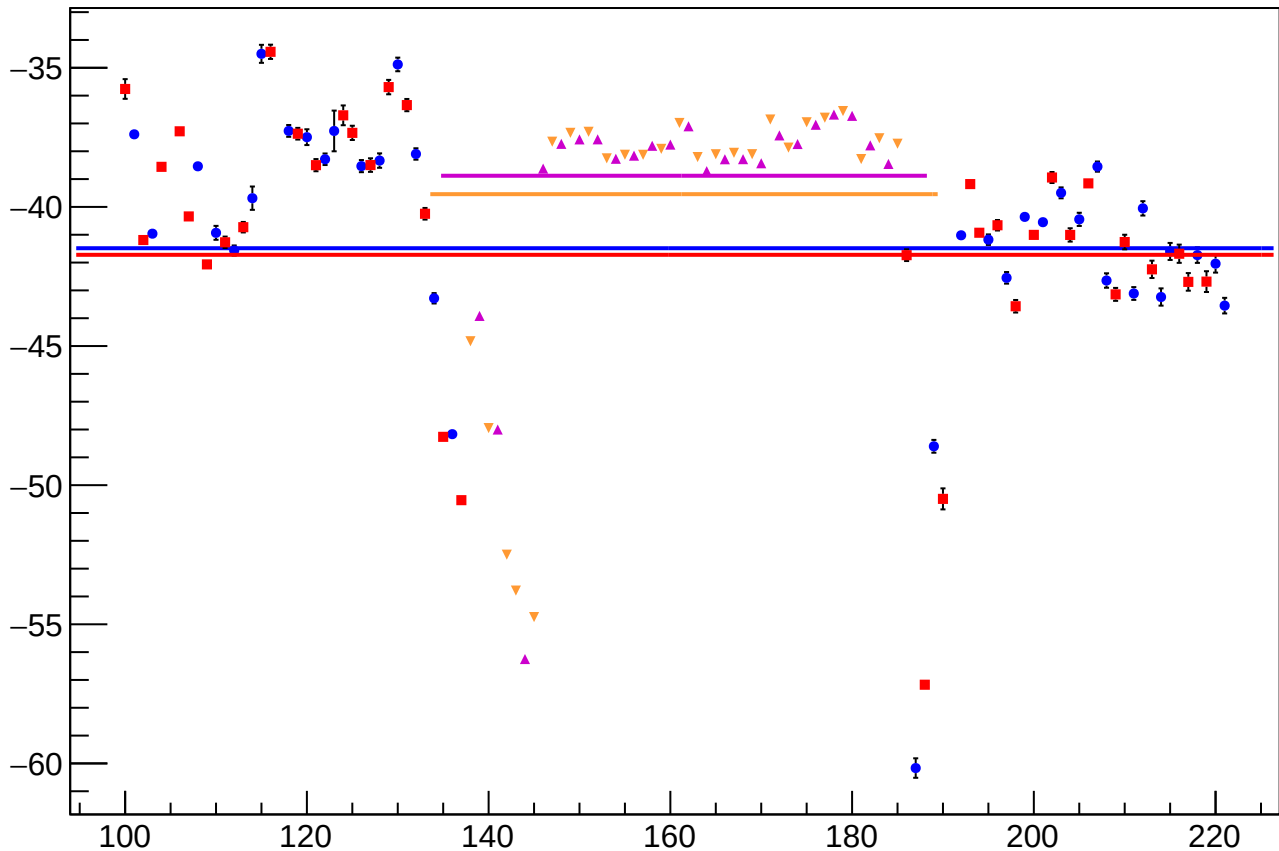
Left In: 19.530 $\pm$ 0.342 χ^2/NDF :1181.3/22

+ sign 16.519 $\pm$ 0.295 χ^2/NDF : 2371.4/59

All: 16.397 $\pm$ 0.211 χ^2/NDF : 4526.4/118

- sign 16.269 $\pm$ 0.302 χ^2/NDF : 2154.7/58

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.485 ± 0.031 $\chi^2/\text{NDF}: 17015.8/34$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.721 ± 0.031 $\chi^2/\text{NDF}: 23130.1/35$

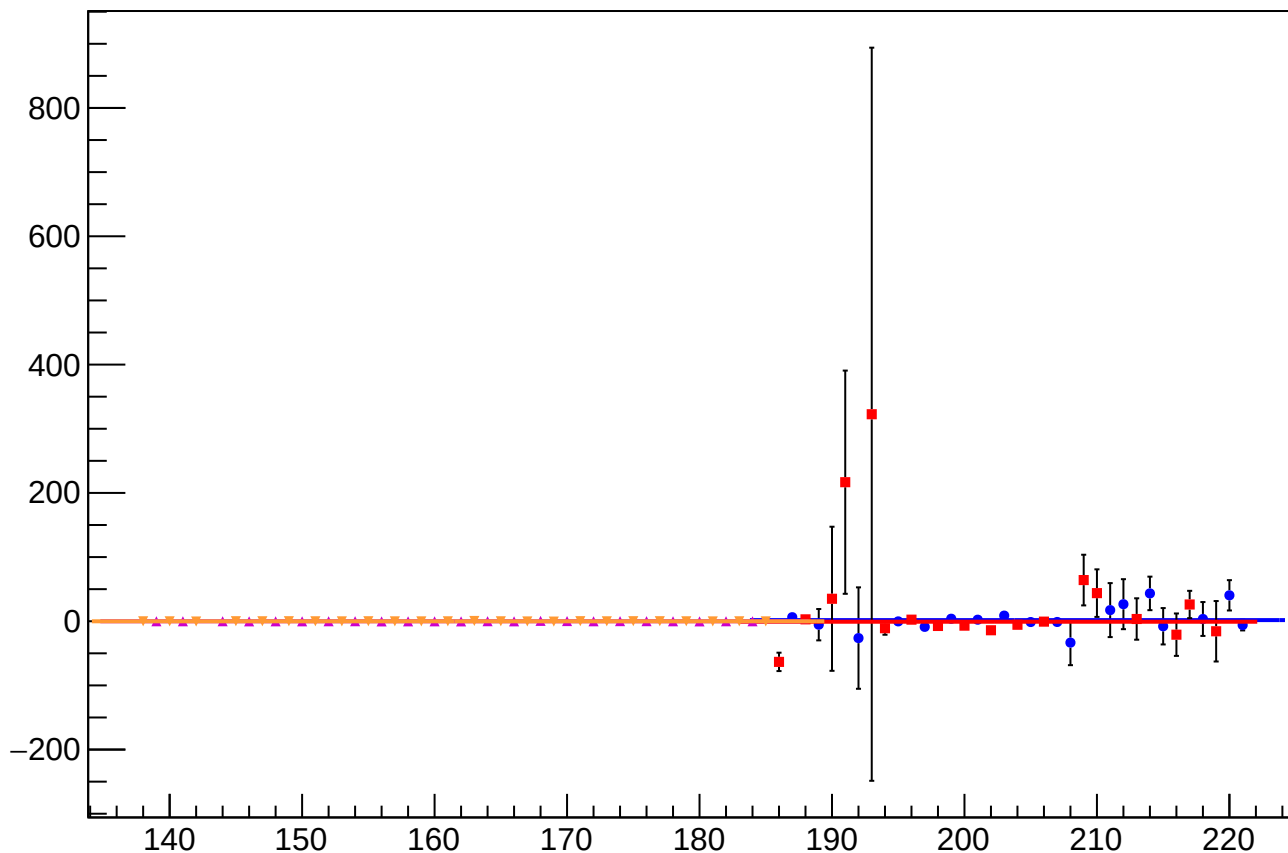
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.940 ± 0.014 $\chi^2/\text{NDF}: 112165.8/59$

All: -39.706 ± 0.010 $\chi^2/\text{NDF}: 195905.6/118$

- sign -39.468 ± 0.014 $\chi^2/\text{NDF}: 83176.7/58$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.779 ± 1.498 χ^2/NDF : 19.0/17

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: -0.768 ± 1.414 χ^2/NDF : 38.8/17

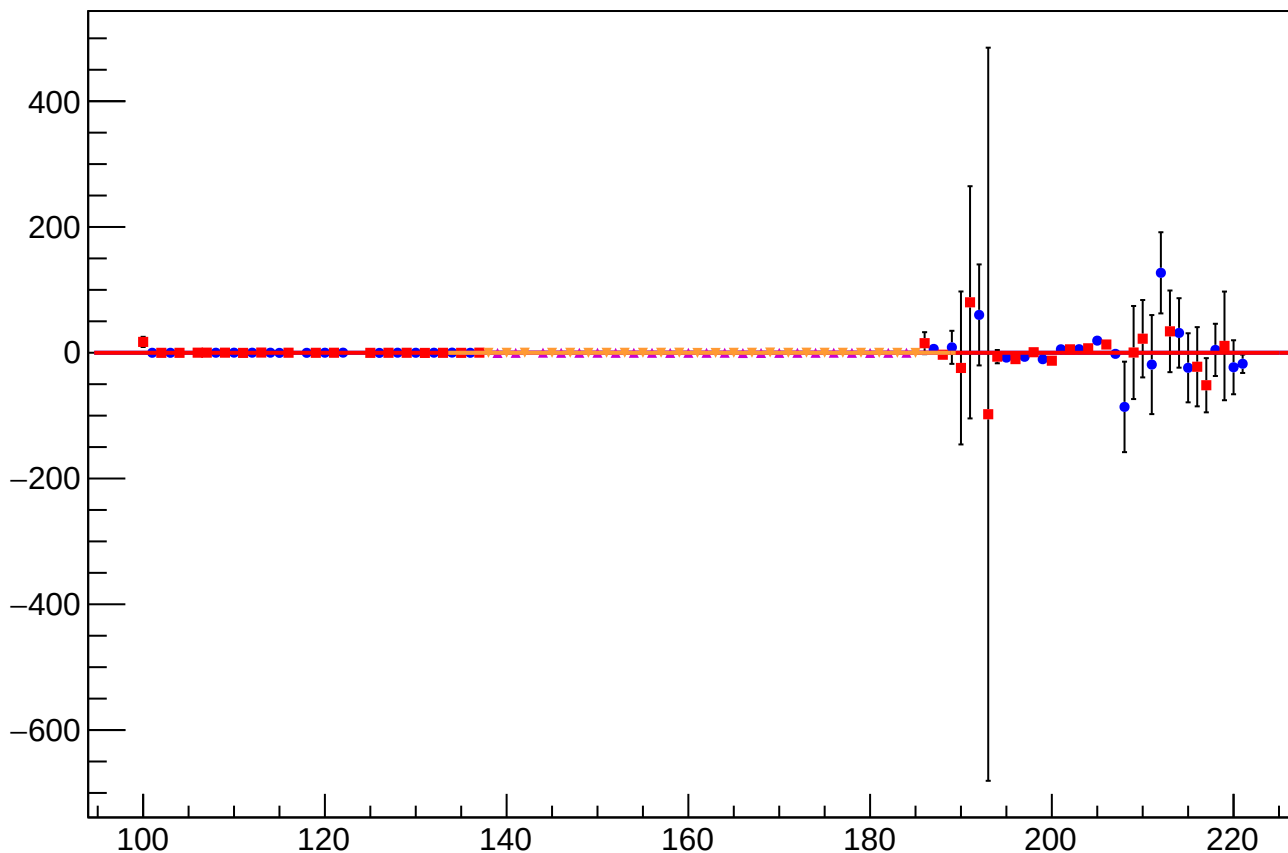
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 60.2/41

All: -0.057 ± 0.016 χ^2/NDF : 136.5/82

- 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 : 39.5/33

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 43.1/35

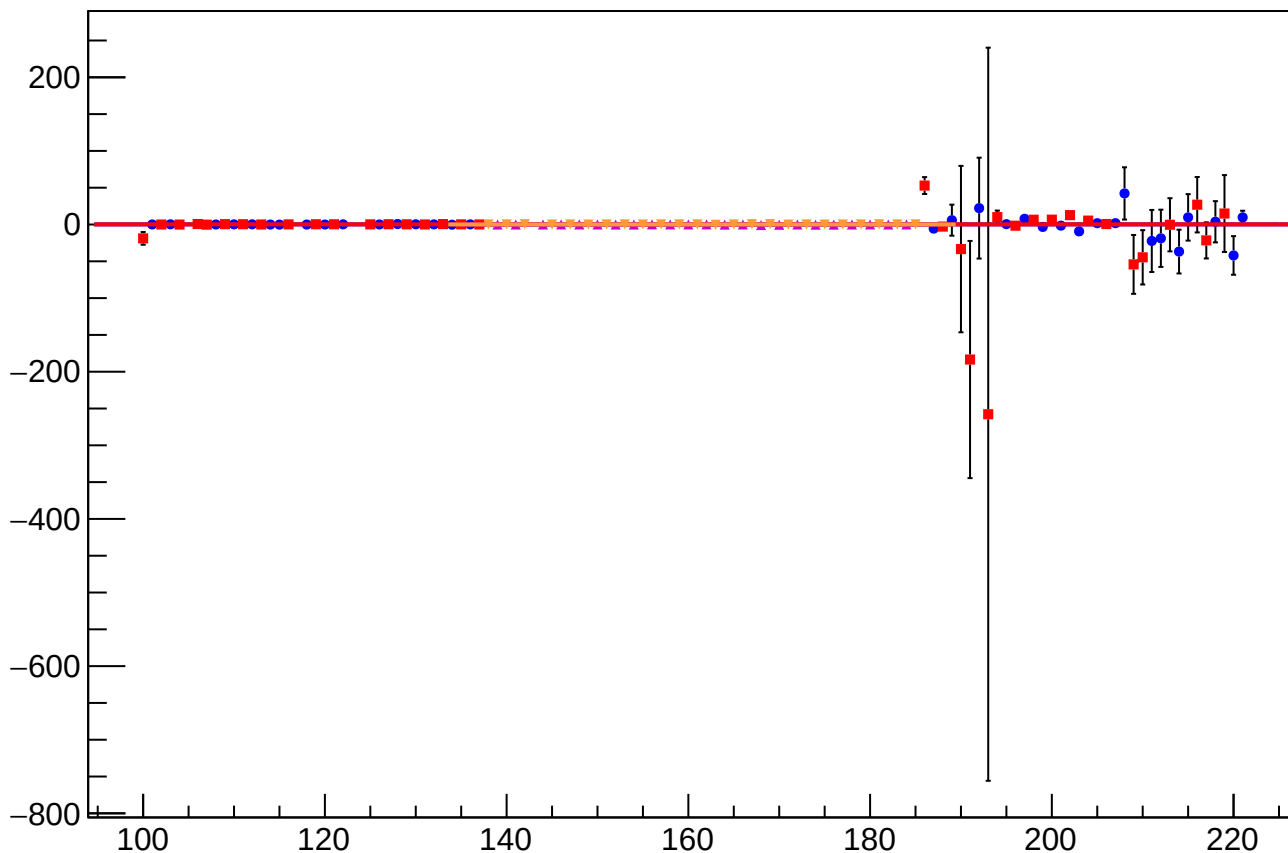
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 71.0/57

All: -0.056 ± 0.011 χ^2/NDF : 145.9/116

- 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 : 34.4/33

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.236 ± 0.054 χ^2/NDF : 61.7/35

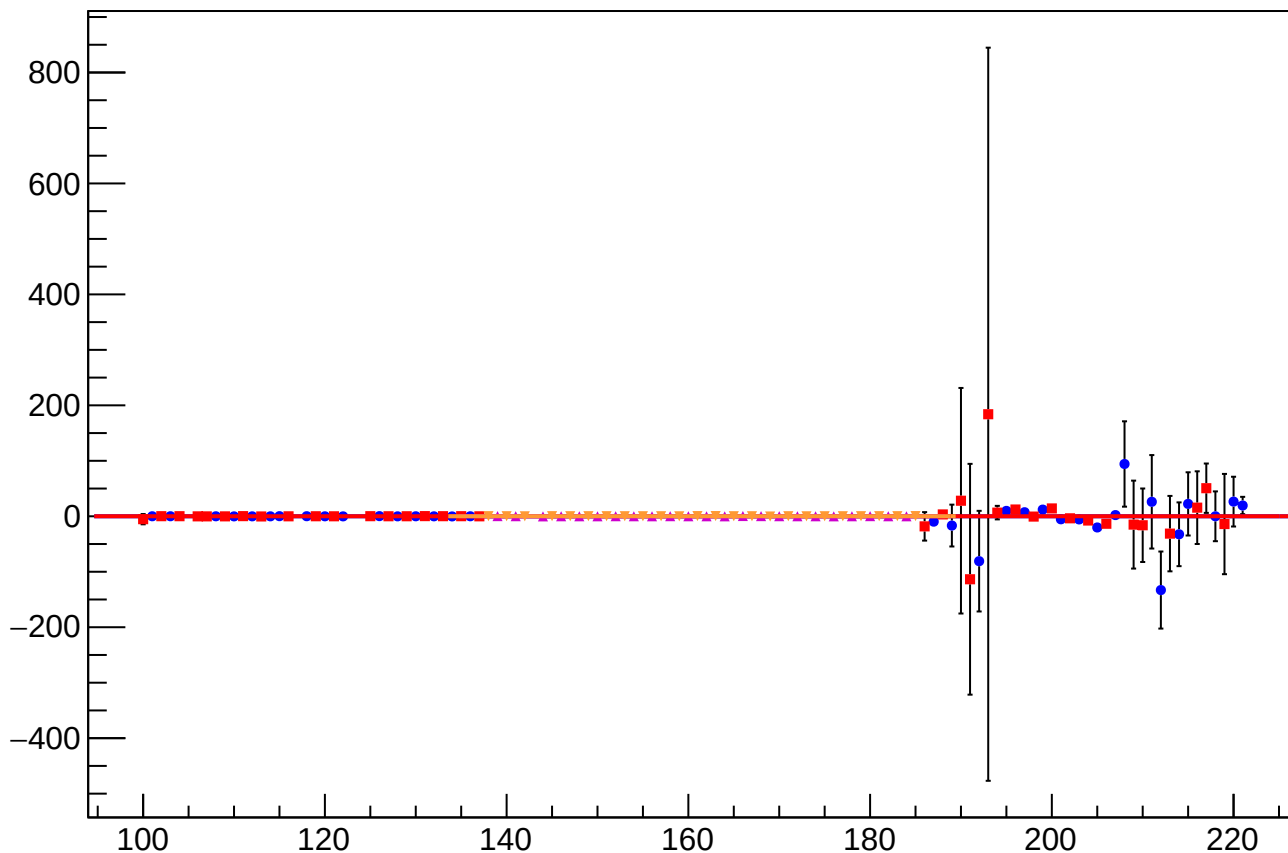
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 75.3/57

All: 0.073 ± 0.014 χ^2/NDF : 188.5/116

- 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 $\chi^2/\text{NDF}: 41.1/33$

Left Out: 0.105 ± 0.020 $\chi^2/\text{NDF}: 29.5/23$

Right Out: 0.057 ± 0.034 $\chi^2/\text{NDF}: 36.3/35$

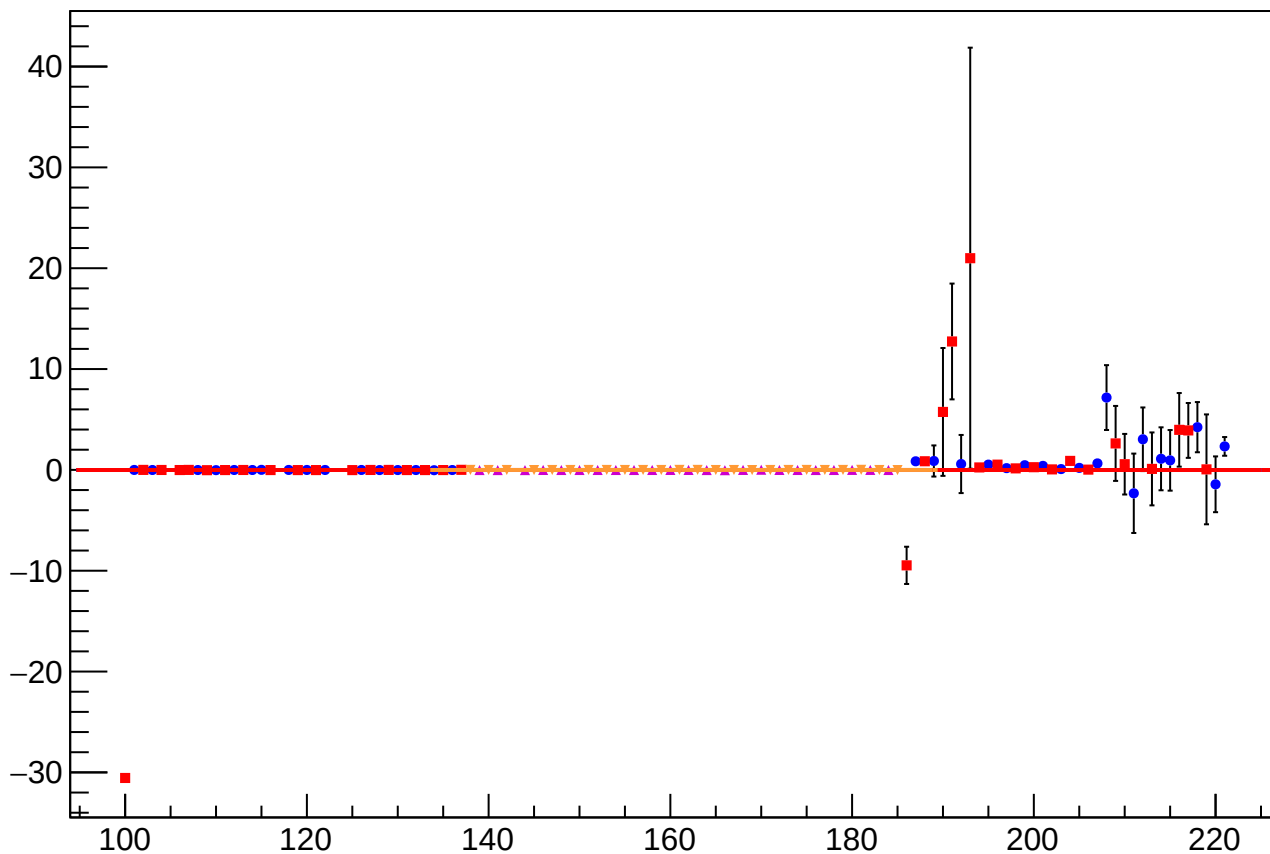
Left In: 0.069 ± 0.020 $\chi^2/\text{NDF}: 31.3/22$

+ sign 0.076 ± 0.017 $\chi^2/\text{NDF}: 79.1/57$

All: 0.071 ± 0.012 $\chi^2/\text{NDF}: 147.0/116$

- sign 0.066 ± 0.017 $\chi^2/\text{NDF}: 67.7/58$

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 57.7/33

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11958.1/35

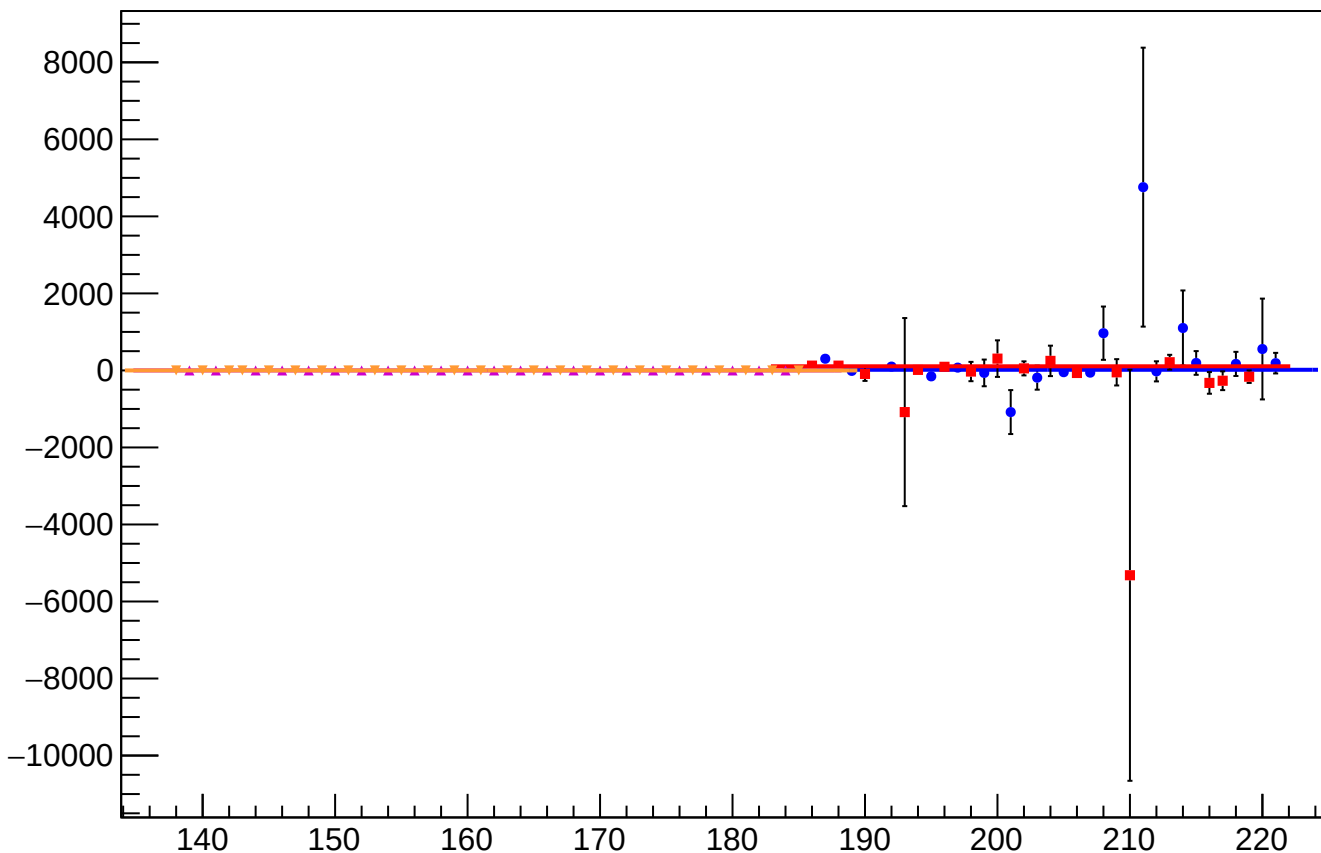
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 91.2/57

All: -0.009 ± 0.001 χ^2/NDF : 12092.9/116

- sign -0.009 ± 0.001 χ^2/NDF : 12001.4/58

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 16.678+/-25.598 χ^2/NDF : 26.4/17

Left Out: 0.017+/-0.027 χ^2/NDF : 30.9/24

Right Out: 107.475+/-15.970 χ^2/NDF : 16.5/16

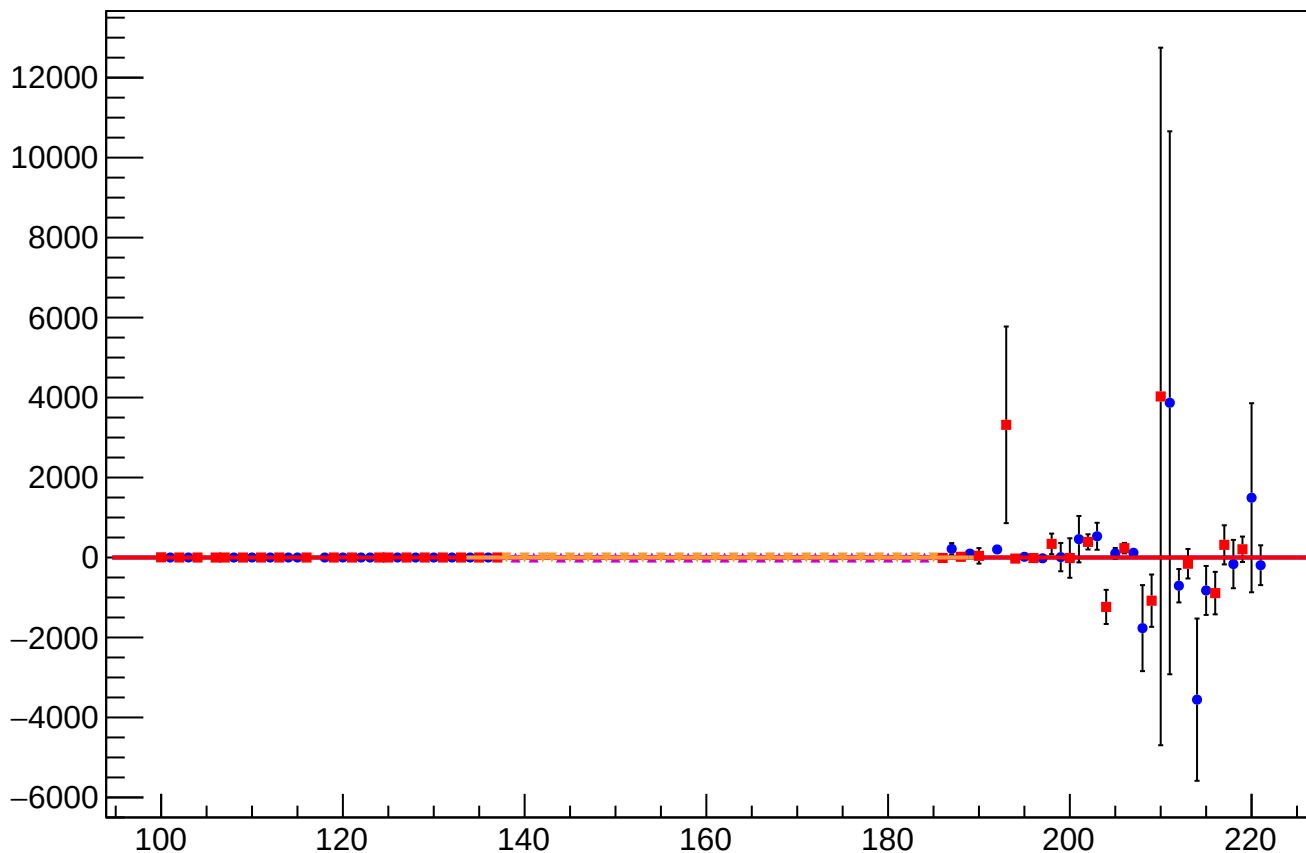
Left In: 0.002+/-0.028 χ^2/NDF : 29.0/22

+ sign 0.017+/-0.027 χ^2/NDF : 57.7/42

All: 0.010+/-0.019 χ^2/NDF : 148.7/82

- 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 : 50.4/34

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 45.0/35

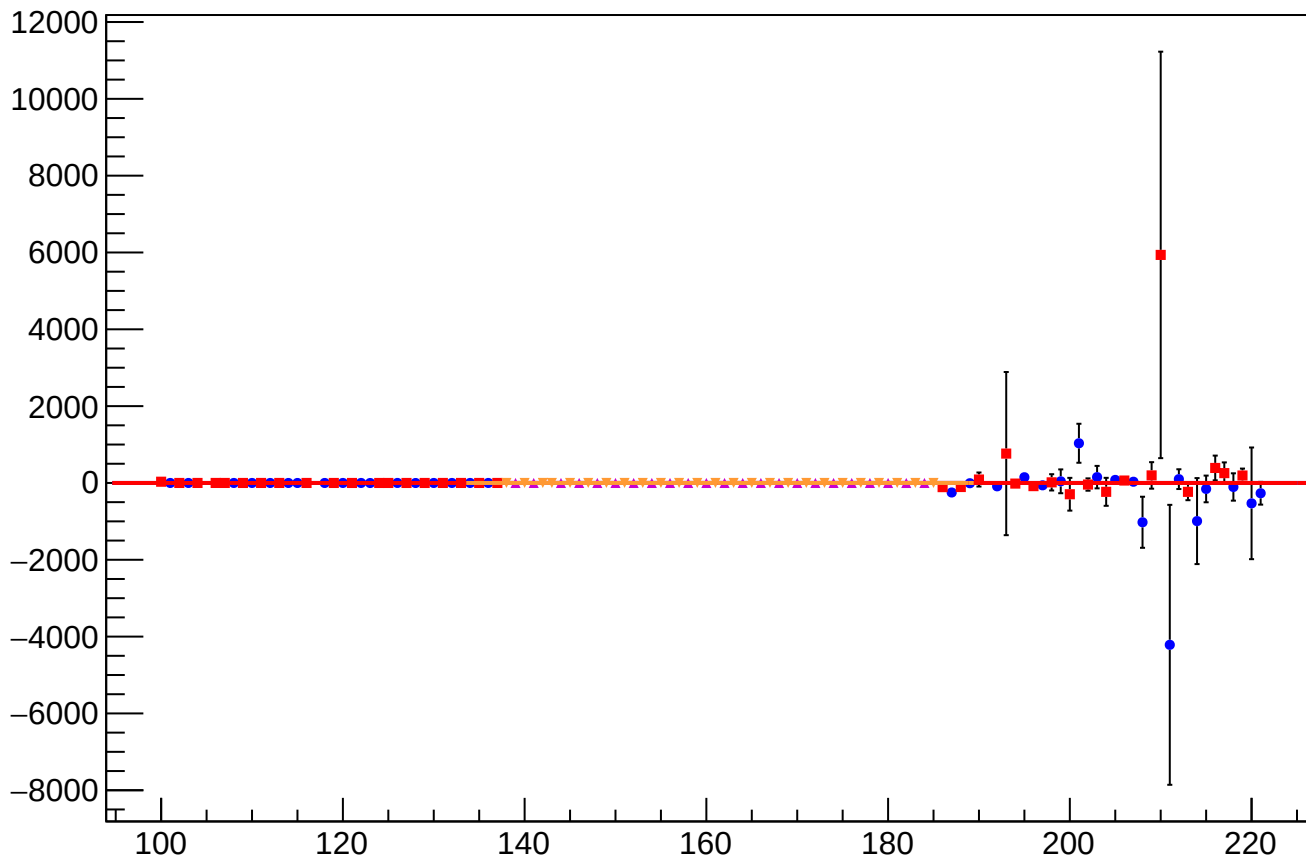
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 75.8/59

All: -0.066 ± 0.013 χ^2/NDF : 172.5/118

- 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 : 52.0/34

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 85.3/35

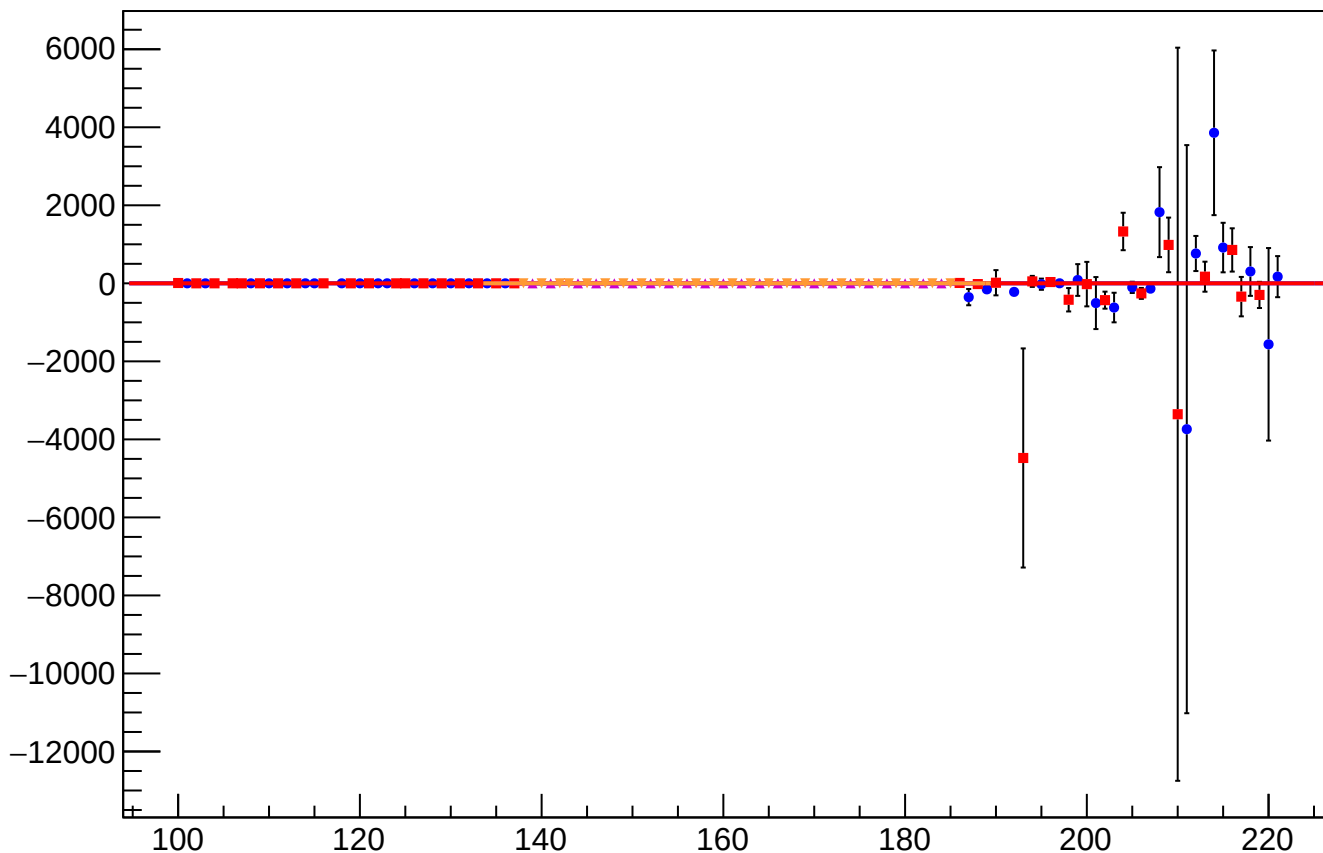
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 83.6/59

All: -0.042 ± 0.018 χ^2/NDF : 200.7/118

- sign -0.050 ± 0.026 χ^2/NDF : 116.9/58

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 $\pm$ 0.043 χ^2 /NDF: 49.9/34

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF:24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 42.6/35

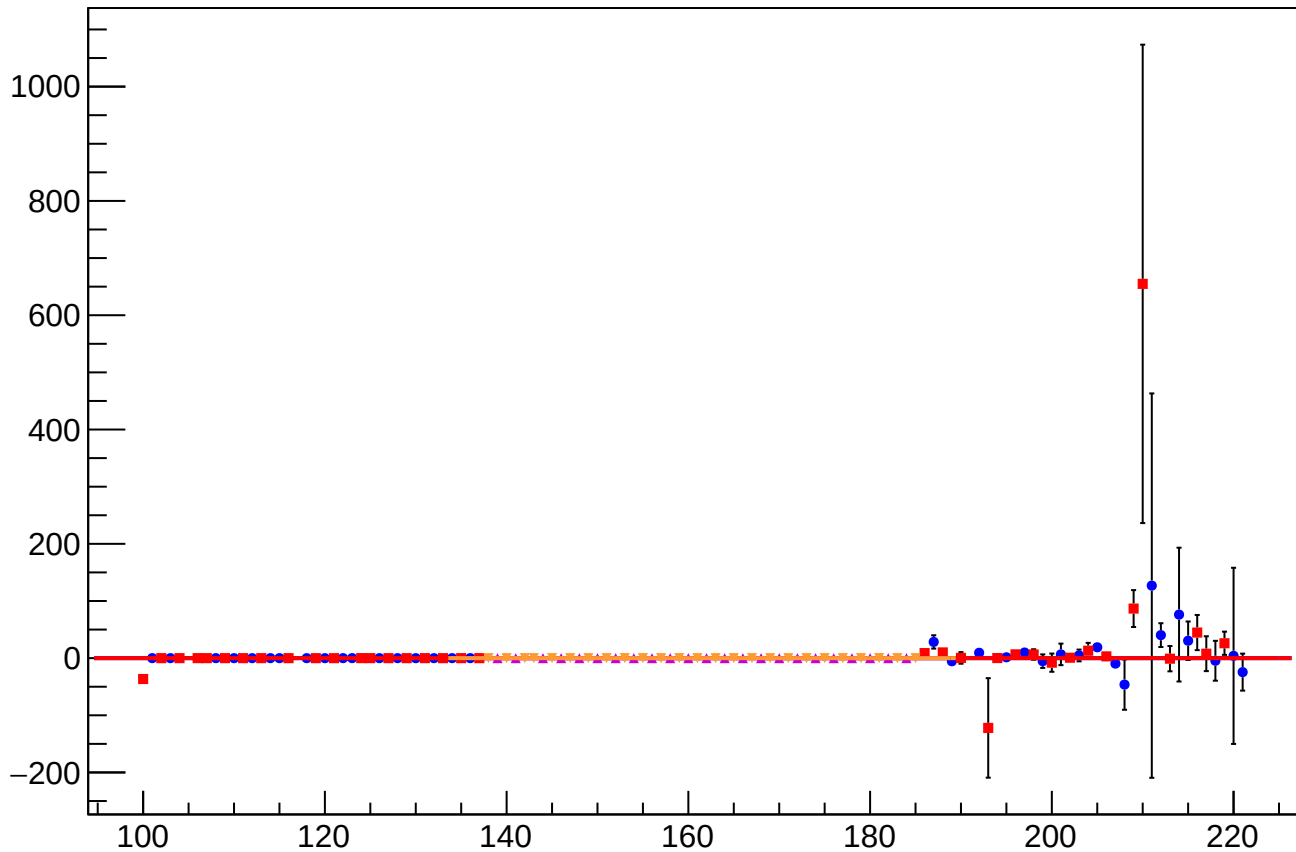
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 75.4/59

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 173.1/118

- sign 0.086 $\pm$ 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 : 69.8/34

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10487.8/35

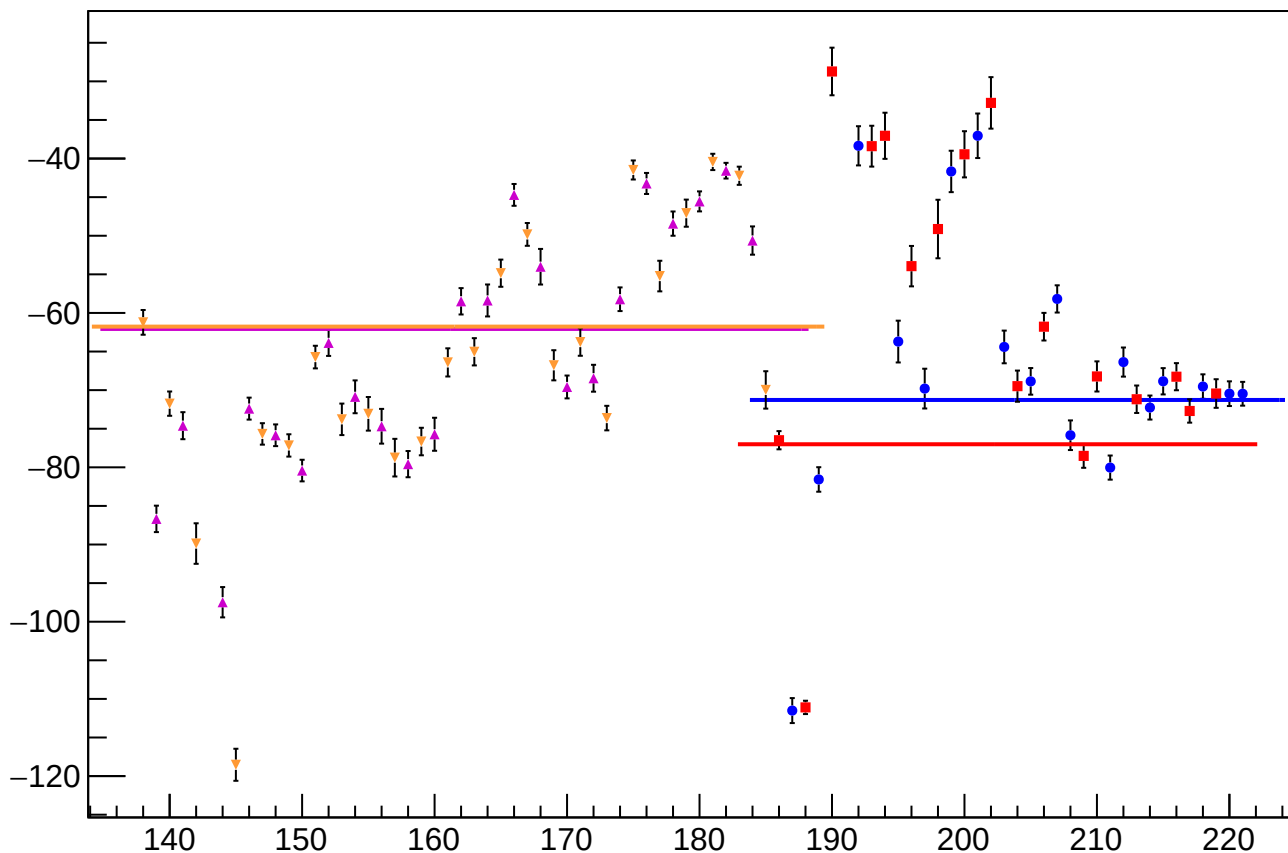
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 104.1/59

All: 0.007 ± 0.001 χ^2/NDF : 10617.4/118

- sign 0.007 ± 0.001 χ^2/NDF : 10513.2/58

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.273 ± 0.435 χ^2/NDF : 1215.4/17

Left Out: -61.771 ± 0.334 χ^2/NDF : 2504.9/23

Right Out: -77.011 ± 0.429 χ^2/NDF : 2822.7/16

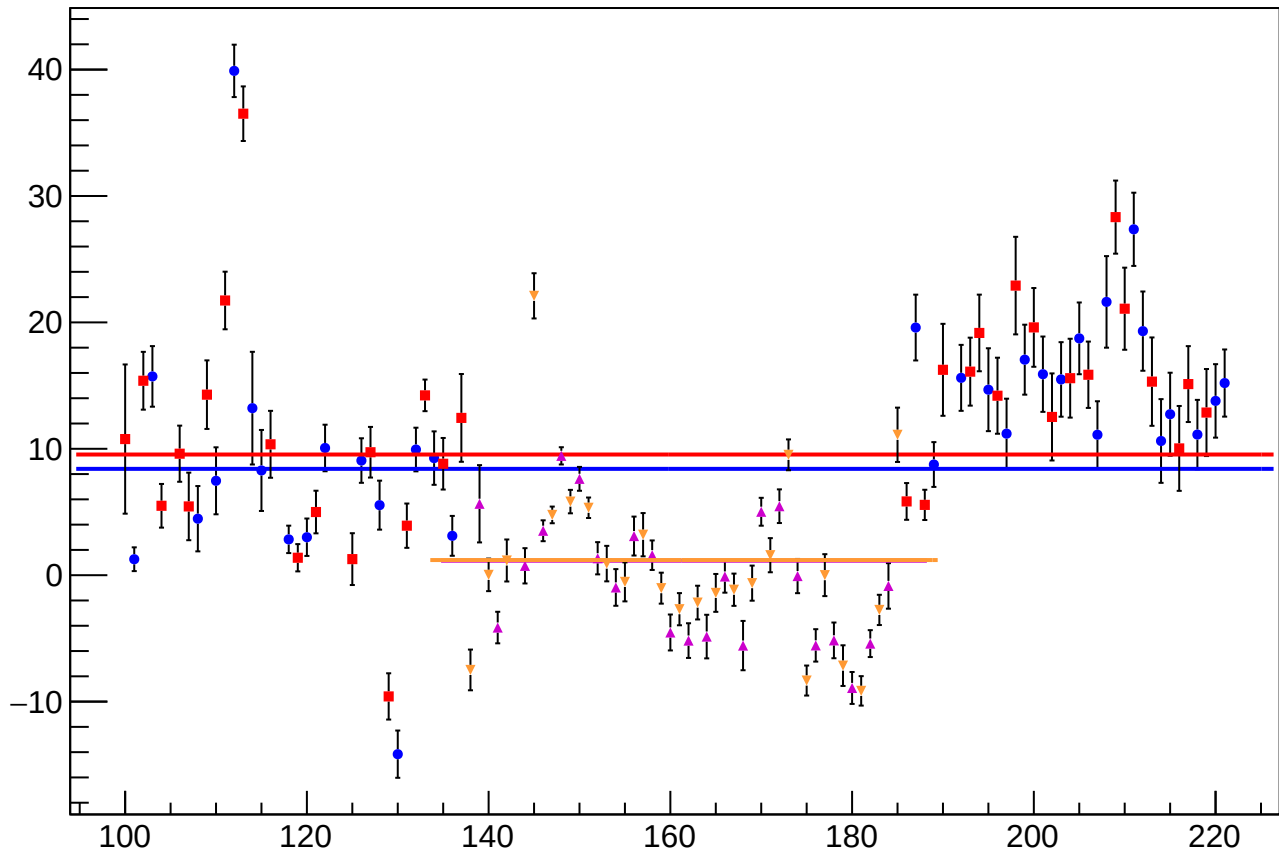
Left In: -62.073 ± 0.332 χ^2/NDF : 2192.0/22

+ sign -65.297 ± 0.265 χ^2/NDF : 4020.8/41

All: -66.500 ± 0.186 χ^2/NDF : 9835.2/81

- sign -67.683 ± 0.263 χ^2/NDF : 5773.4/39

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 8.413 ± 0.359 χ^2/NDF : 650.5/33

Left Out: 1.198 ± 0.253 χ^2/NDF : 526.3/23

Right Out: 9.547 ± 0.364 χ^2/NDF : 551.5/34

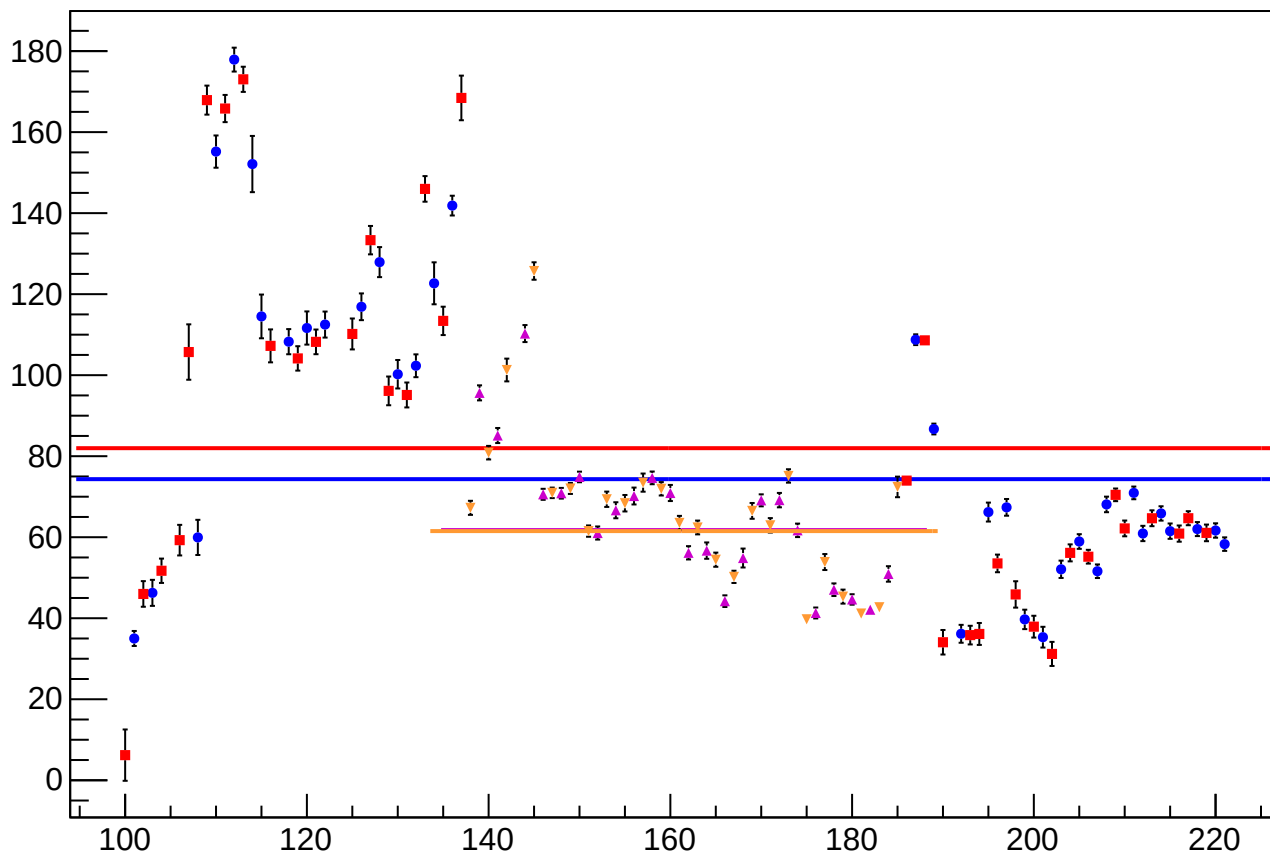
Left In: 1.146 ± 0.255 χ^2/NDF : 462.9/22

+ sign 3.585 ± 0.207 χ^2/NDF : 1446.8/57

All: 3.750 ± 0.147 χ^2/NDF : 2819.9/115

- sign 3.919 ± 0.209 χ^2/NDF : 1371.8/57

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 74.333 $\pm$ 0.377 χ^2 /NDF: 6302.5/33

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

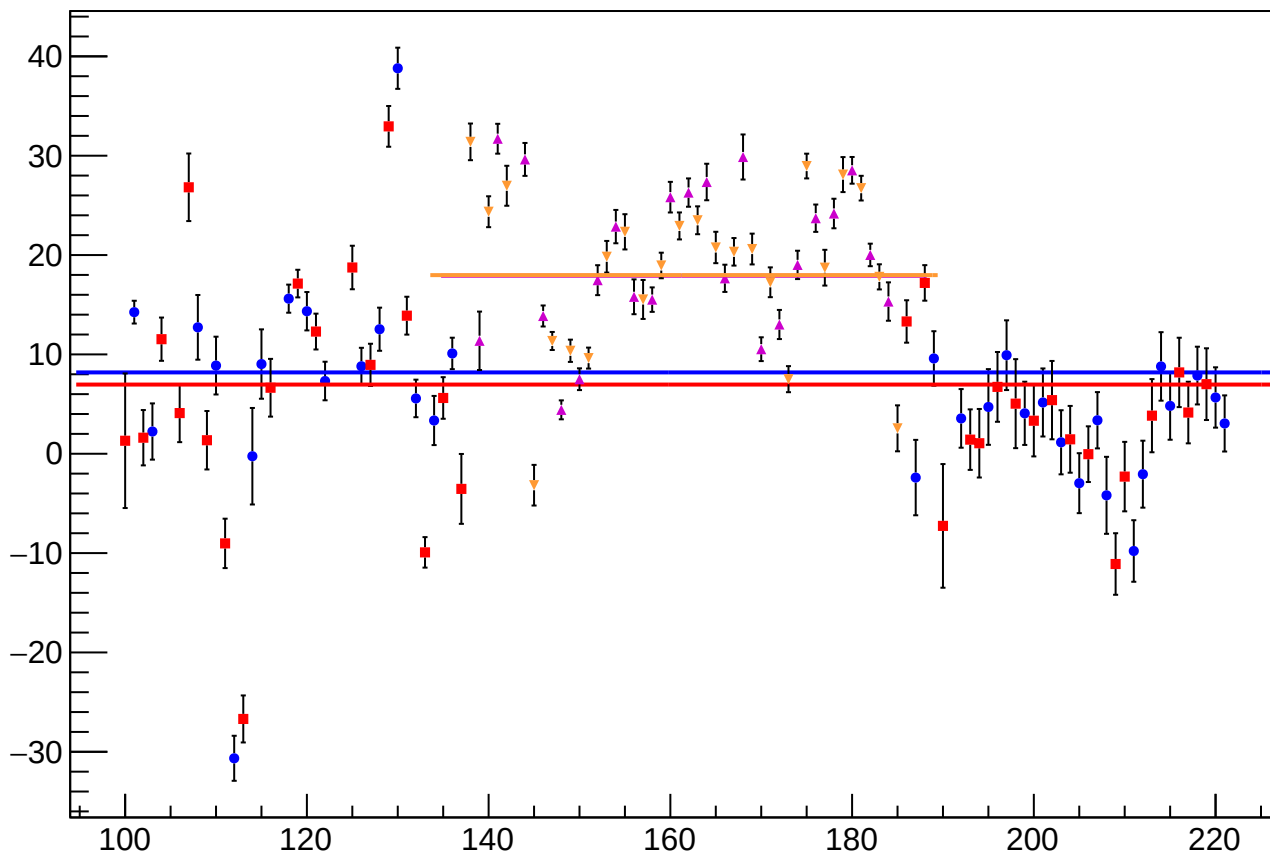
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 67.118 $\pm$ 0.249 χ^2 /NDF: 9559.3/57

All: 69.192 $\pm$ 0.173 χ^2 /NDF: 21824.6/115

- sign 71.141 $\pm$ 0.242 χ^2 /NDF: 12131.1/57

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 8.187 ± 0.416 $\chi^2/\text{NDF}: 692.1/33$

Left Out: 17.980 ± 0.291 $\chi^2/\text{NDF}: 674.4/23$

Right Out: 6.964 ± 0.430 $\chi^2/\text{NDF}: 793.5/34$

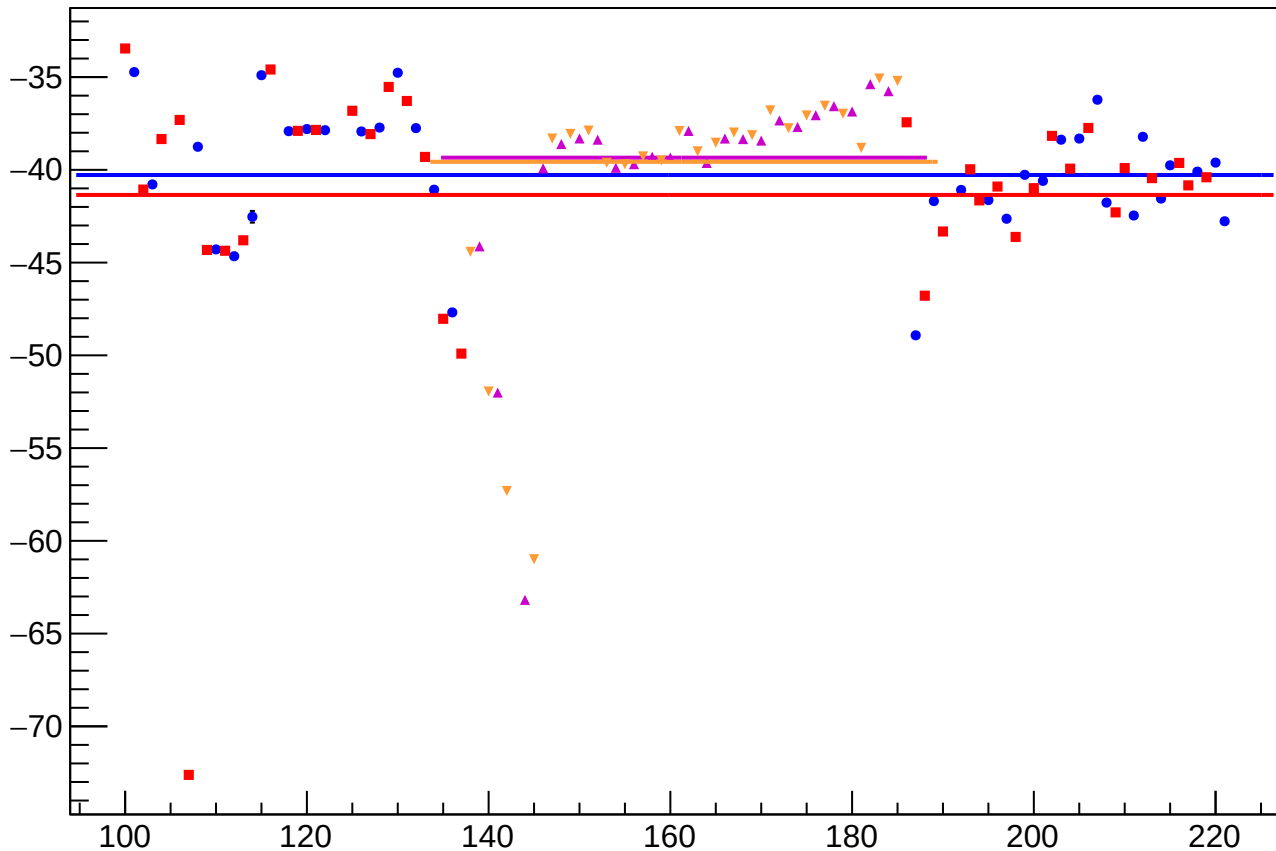
Left In: 17.916 ± 0.292 $\chi^2/\text{NDF}: 726.5/22$

+ sign 14.759 ± 0.238 $\chi^2/\text{NDF}: 1739.2/57$

All: 14.611 ± 0.170 $\chi^2/\text{NDF}: 3703.2/115$

- sign 14.457 ± 0.242 $\chi^2/\text{NDF}: 1963.2/57$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.277 ± 0.021 χ^2/NDF : 30133.4/33

Left Out: -39.566 ± 0.014 χ^2/NDF : 141198.7/23

Right Out: -41.353 ± 0.021 χ^2/NDF : 68814.7/34

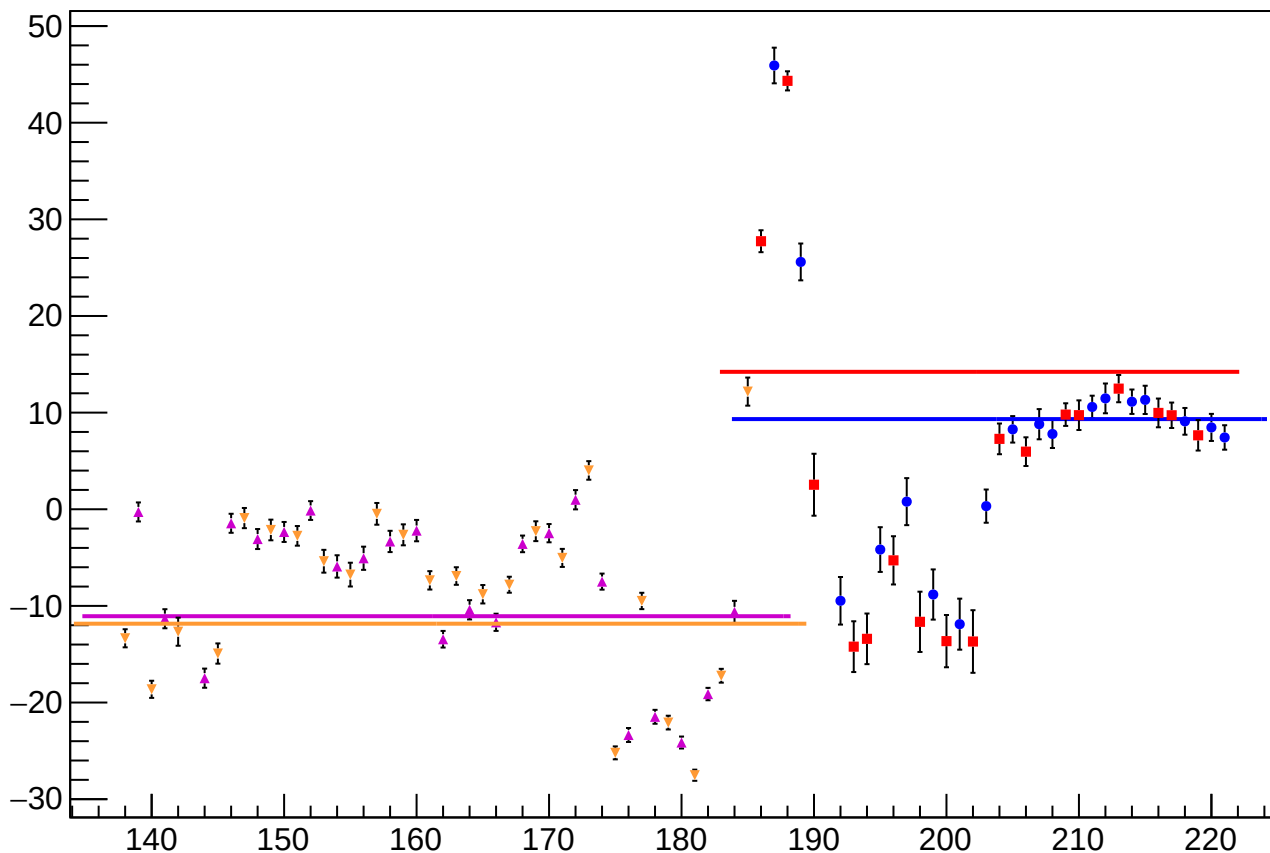
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.782 ± 0.011 χ^2/NDF : 172146.6/57

All: -39.859 ± 0.008 χ^2/NDF : 364104.1/115

- sign -39.936 ± 0.011 χ^2/NDF : 191867.0/57

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 9.330 ± 0.377 χ^2/NDF : 723.2/17

Left Out: -11.842 ± 0.187 χ^2/NDF : 2739.8/23

Right Out: 14.221 ± 0.389 χ^2/NDF : 1730.4/16

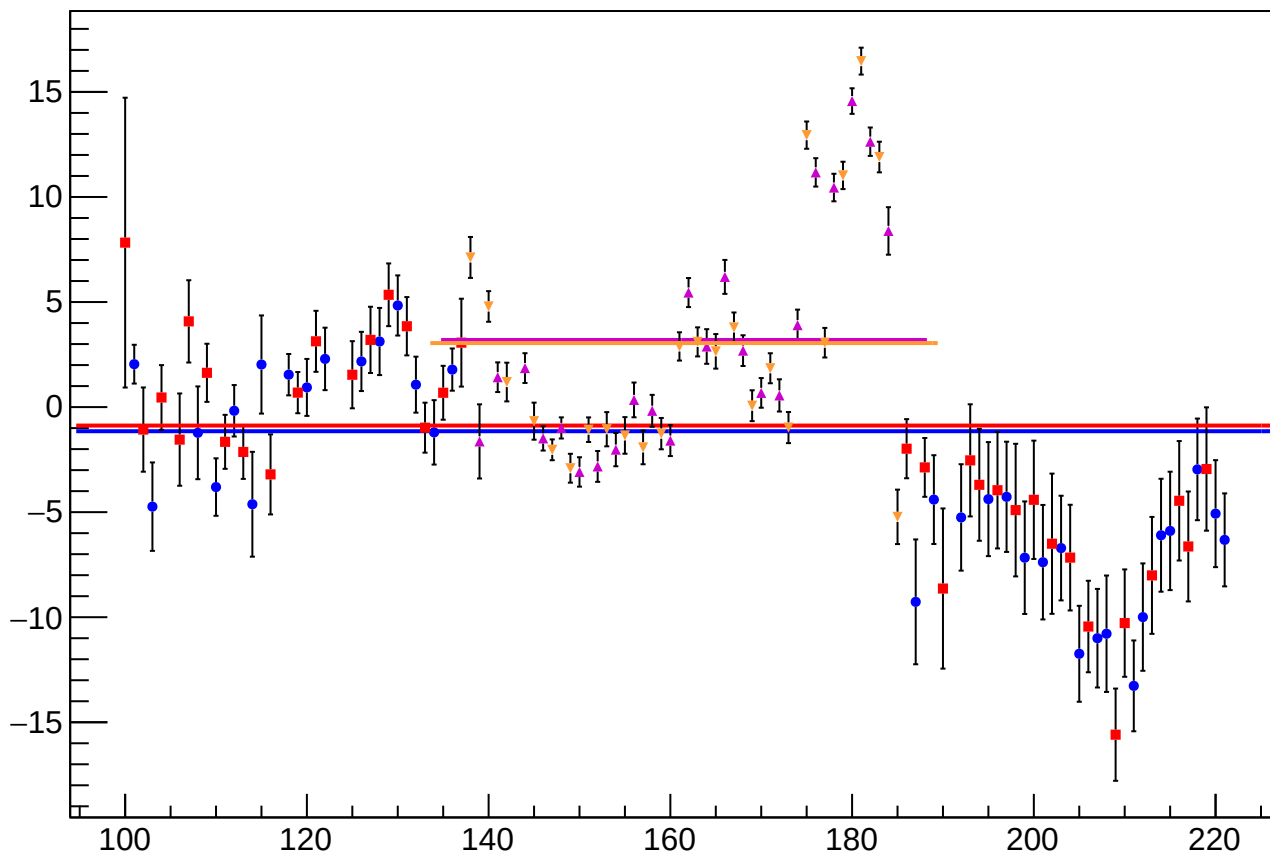
Left In: -11.067 ± 0.188 χ^2/NDF : 2104.8/22

+ sign -7.665 ± 0.167 χ^2/NDF : 5997.5/41

All: -6.977 ± 0.119 χ^2/NDF : 13297.6/81

- sign -6.273 ± 0.169 χ^2/NDF : 7265.9/39

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.148 ± 0.296 χ^2/NDF : 219.6/33

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: -0.879 ± 0.301 χ^2/NDF : 181.2/34

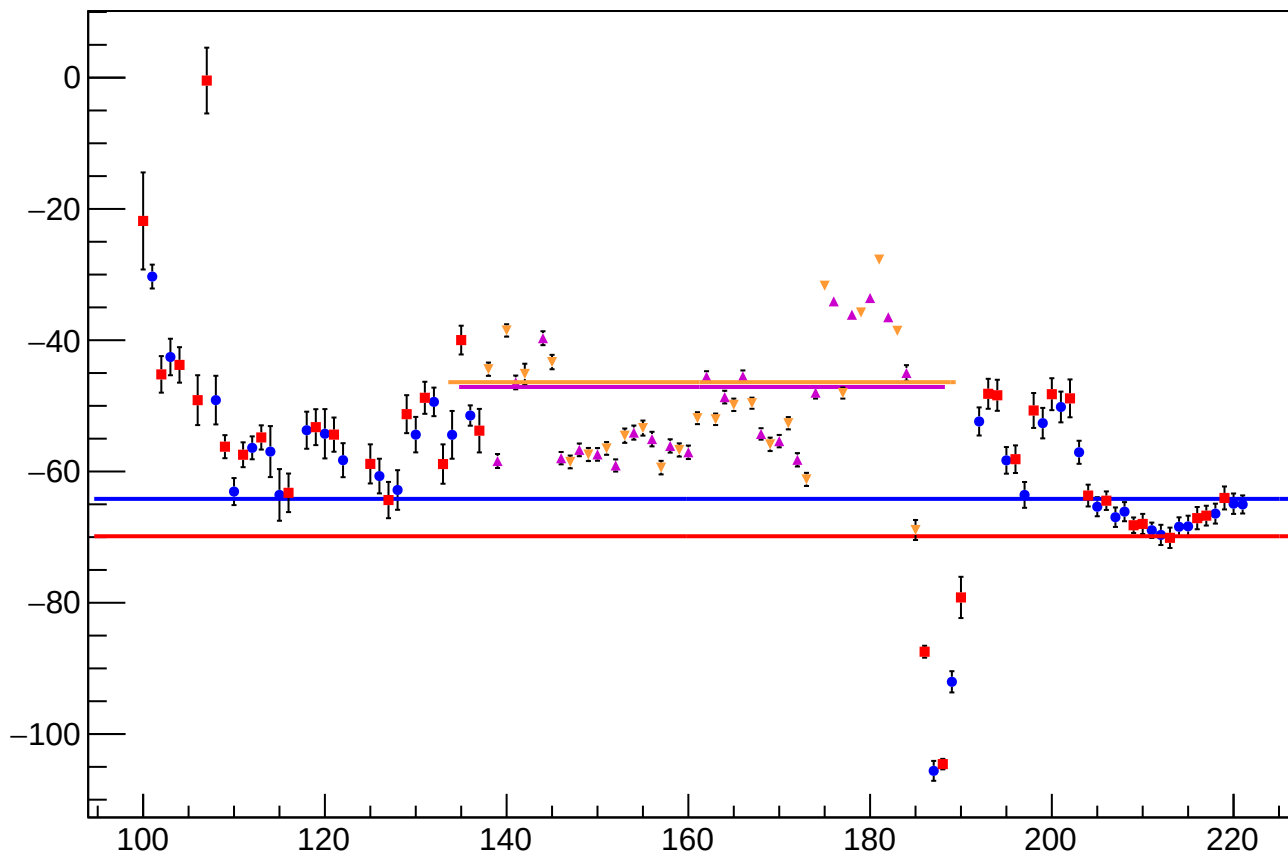
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.209 ± 0.132 χ^2/NDF : 1837.6/57

All: 2.295 ± 0.094 χ^2/NDF : 3461.5/115

- sign 2.384 ± 0.134 χ^2/NDF : 1623.0/57

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -64.172 ± 0.322 $\chi^2/\text{NDF}: 1822.1/33$

Left Out: -46.392 ± 0.187 $\chi^2/\text{NDF}: 3286.7/23$

Right Out: -69.865 ± 0.315 $\chi^2/\text{NDF}: 3752.6/34$

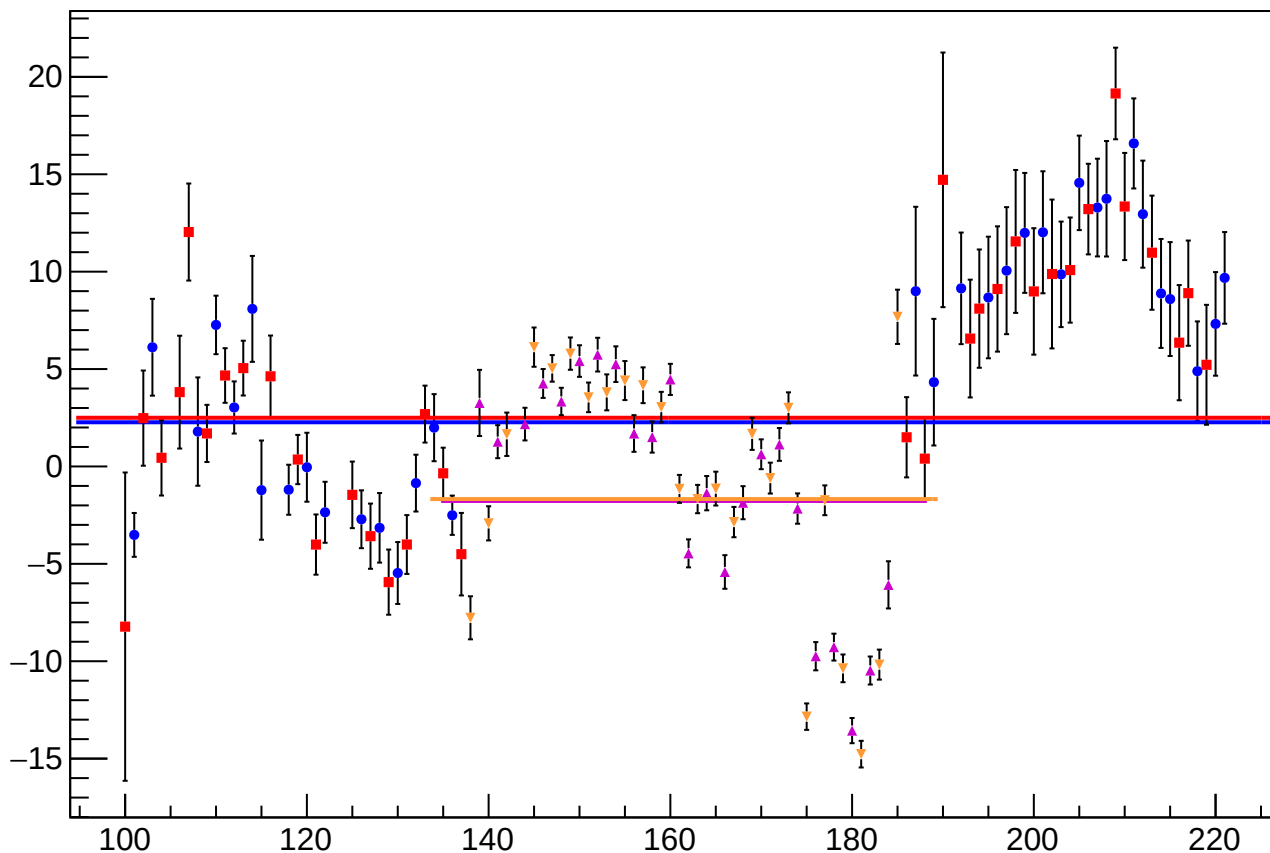
Left In: -47.128 ± 0.187 $\chi^2/\text{NDF}: 2516.0/22$

+ sign -50.865 ± 0.161 $\chi^2/\text{NDF}: 7393.5/57$

All: -51.963 ± 0.114 $\chi^2/\text{NDF}: 17601.2/115$

- sign -53.056 ± 0.161 $\chi^2/\text{NDF}: 10115.4/57$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 2.268 ± 0.334 χ^2/NDF : 319.9/33

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 2.499 ± 0.345 χ^2/NDF : 262.9/34

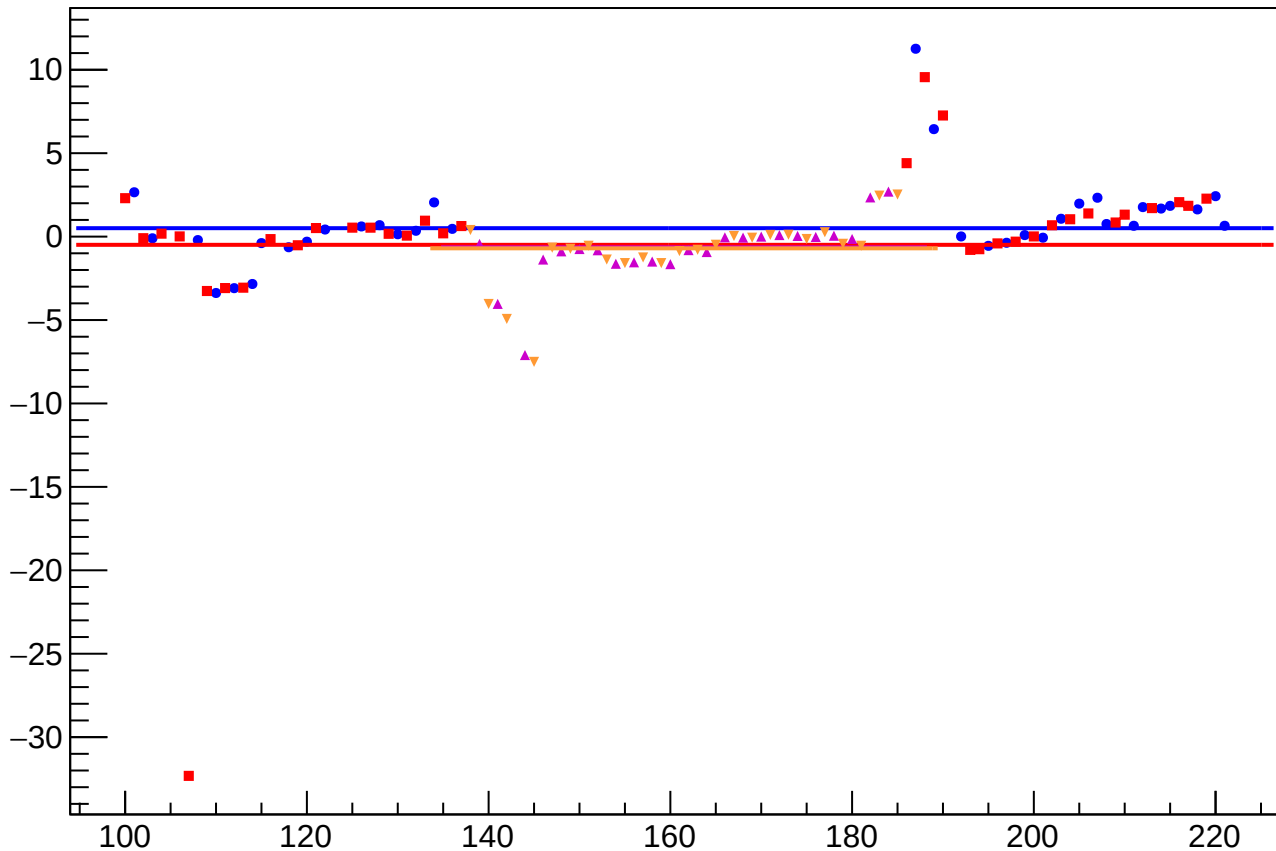
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -0.887 ± 0.149 χ^2/NDF : 1915.0/57

All: -0.916 ± 0.106 χ^2/NDF : 3552.8/115

- sign -0.946 ± 0.152 χ^2/NDF : 1637.7/57

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.506 ± 0.017 χ^2/NDF : 10431.4/33

Left Out: -0.702 ± 0.008 χ^2/NDF : 53834.9/23

Right Out: -0.492 ± 0.017 χ^2/NDF : 94725.6/34

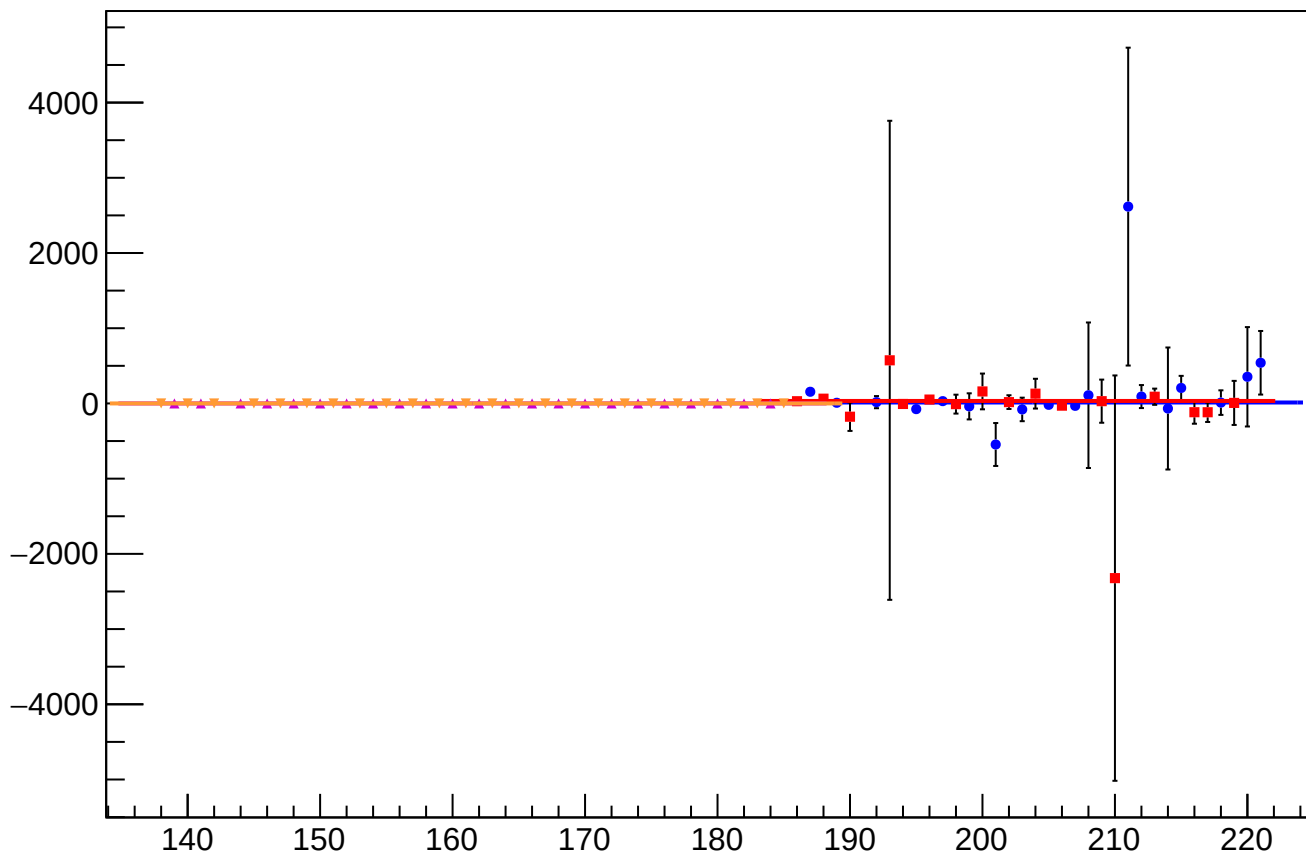
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.497 ± 0.007 χ^2/NDF : 68502.7/57

All: -0.557 ± 0.005 χ^2/NDF : 207615.0/115

- sign -0.619 ± 0.007 χ^2/NDF : 138959.5/57

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 12.496 ± 14.994 χ^2/NDF : 24.5/17

Left Out: -0.037 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 32.944 ± 9.582 χ^2/NDF : 9.9/16

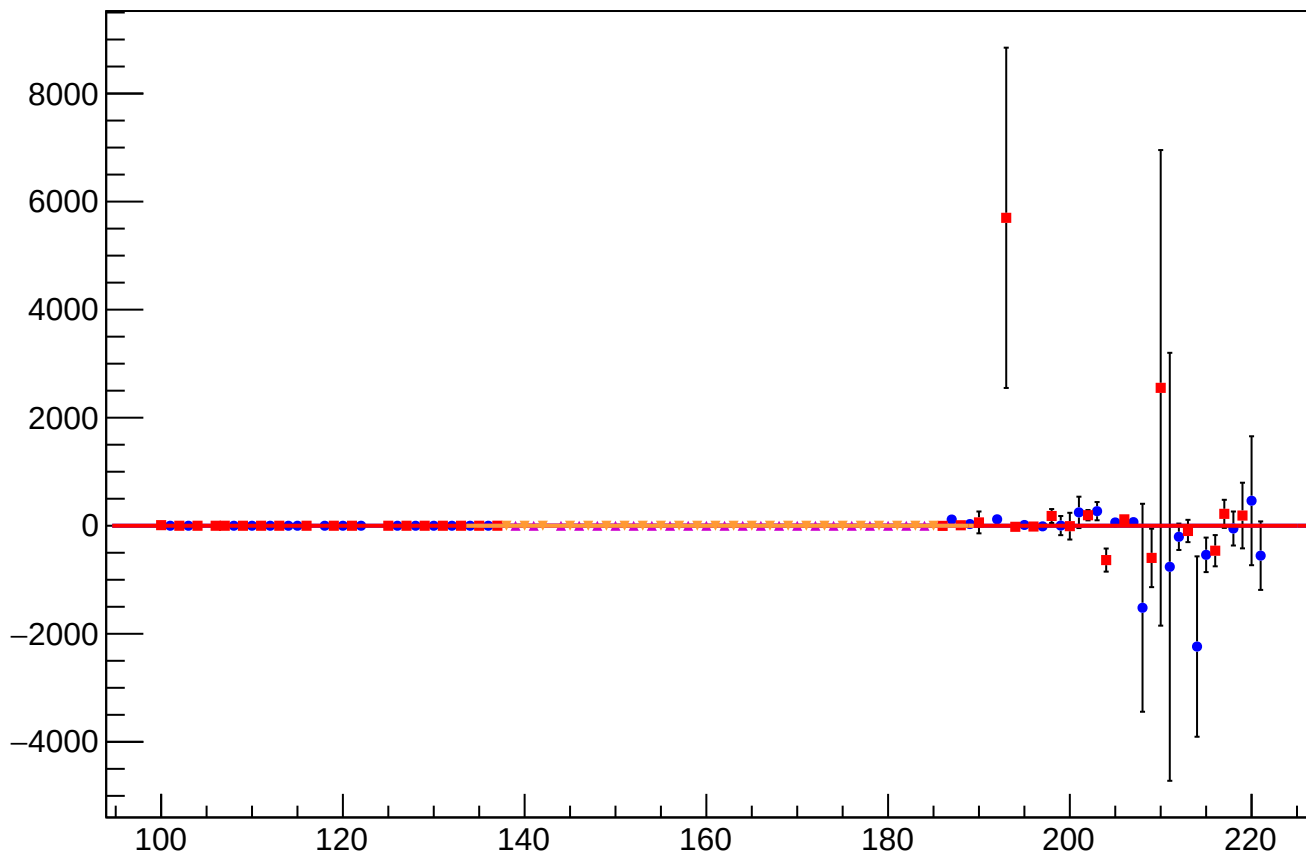
Left In: -0.010 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.037 ± 0.018 χ^2/NDF : 60.6/41

All: -0.024 ± 0.013 χ^2/NDF : 118.7/81

- 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 : 30.4/33

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 39.9/34

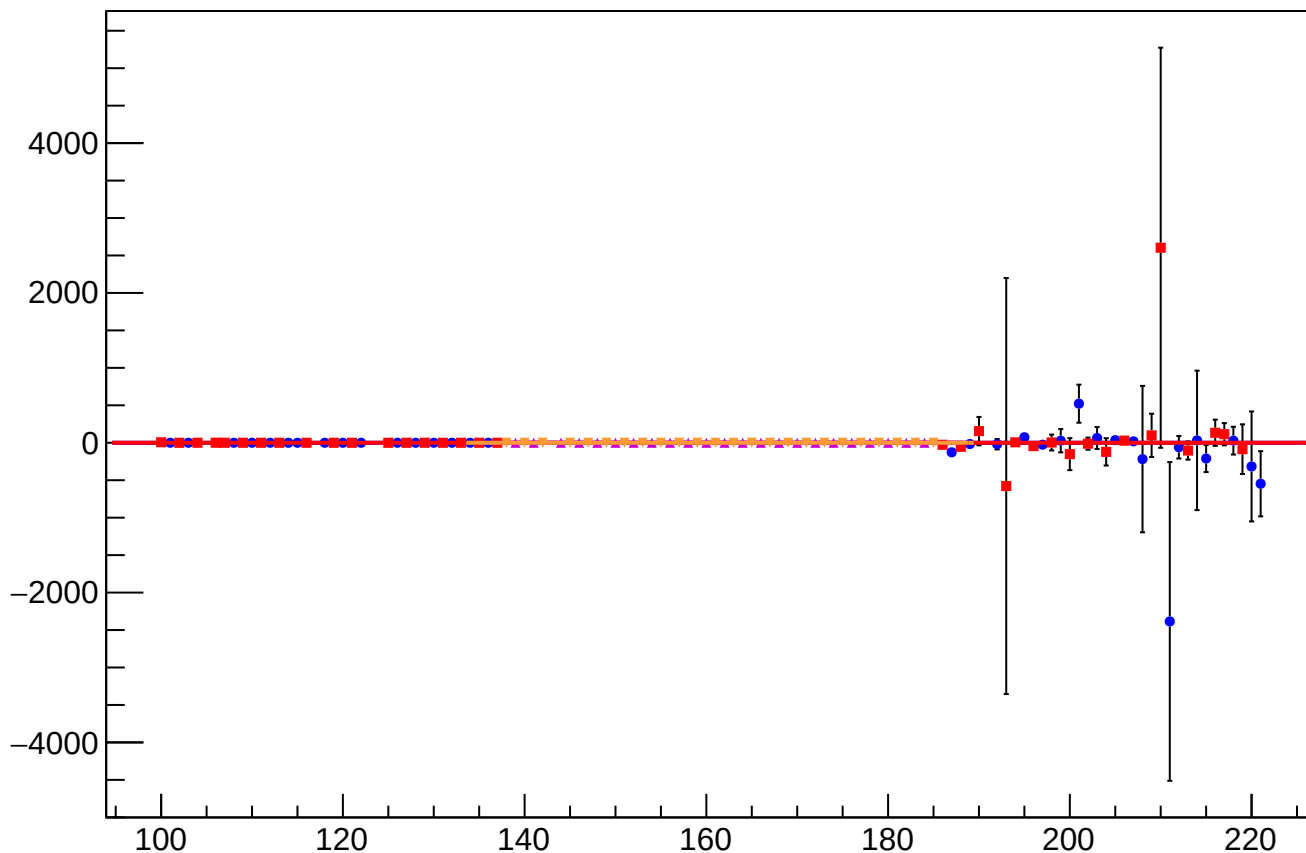
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 62.9/57

All: -0.063 ± 0.009 χ^2/NDF : 145.2/115

- sign -0.070 ± 0.012 χ^2/NDF : 81.7/57

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 ± 0.043 χ^2/NDF : 34.7/33

Left Out: 0.035 ± 0.018 χ^2/NDF : 32.2/23

Right Out: 0.031 ± 0.045 χ^2/NDF : 33.7/34

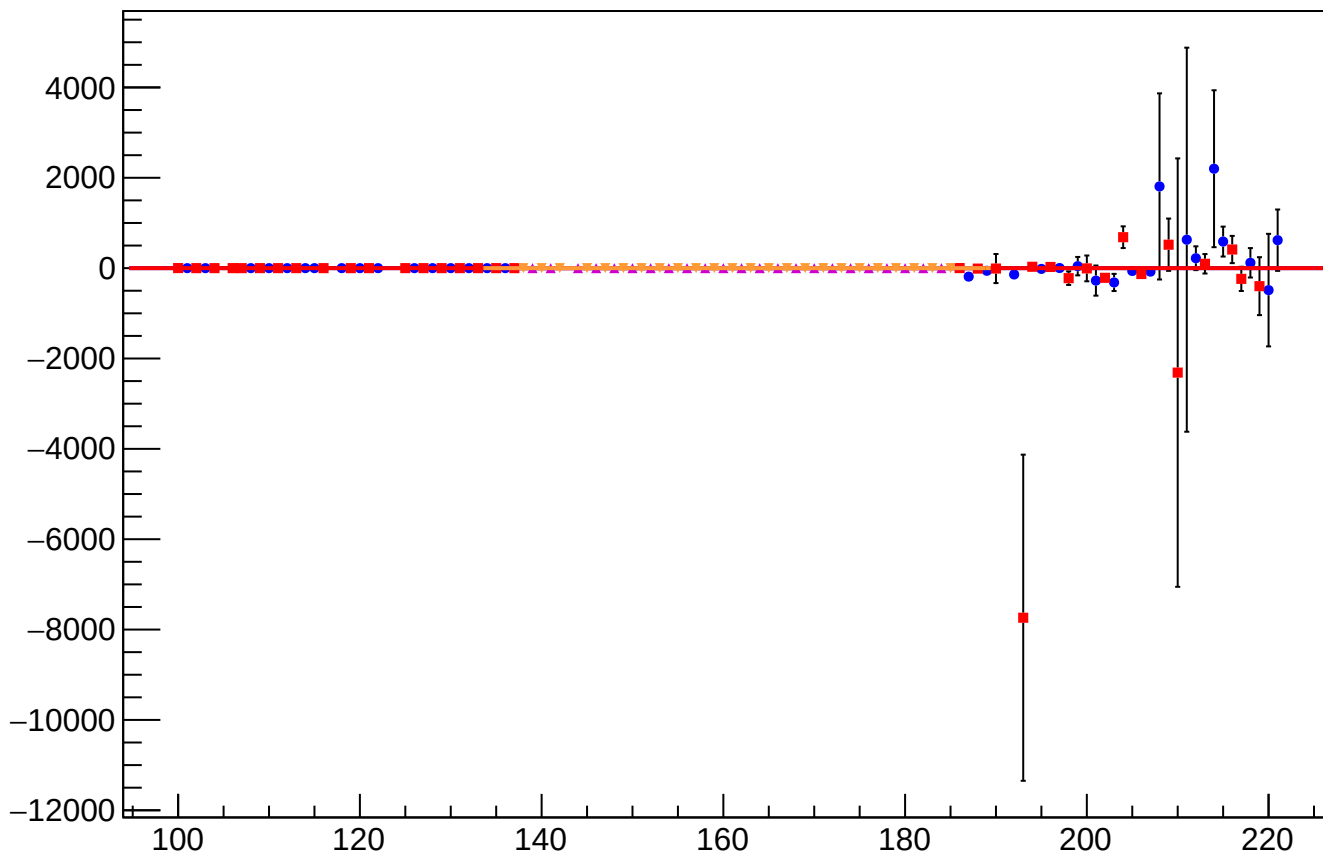
Left In: -0.009 ± 0.018 χ^2/NDF : 36.8/22

+ sign 0.032 ± 0.017 χ^2/NDF : 67.1/57

All: 0.015 ± 0.012 χ^2/NDF : 140.6/115

- sign -0.003 ± 0.017 χ^2/NDF : 71.2/57

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 ± 0.027 χ^2/NDF : 32.1/33

Left Out: 0.086 ± 0.016 χ^2/NDF : 27.7/23

Right Out: 0.105 ± 0.029 χ^2/NDF : 35.0/34

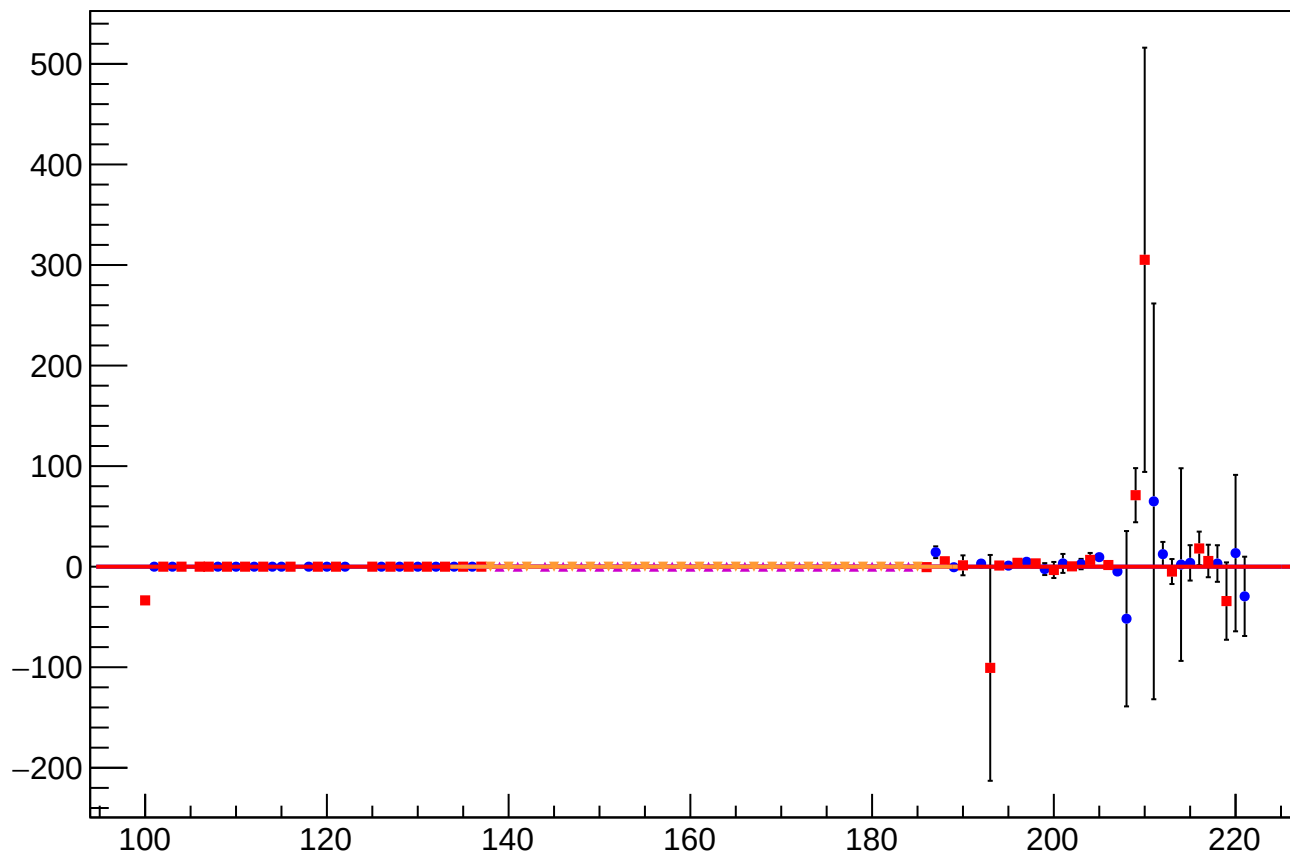
Left In: 0.070 ± 0.016 χ^2/NDF : 44.8/22

+ sign 0.066 ± 0.014 χ^2/NDF : 65.9/57

All: 0.072 ± 0.010 χ^2/NDF : 147.3/115

- sign 0.078 ± 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 : 48.4/33

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26532.9/34

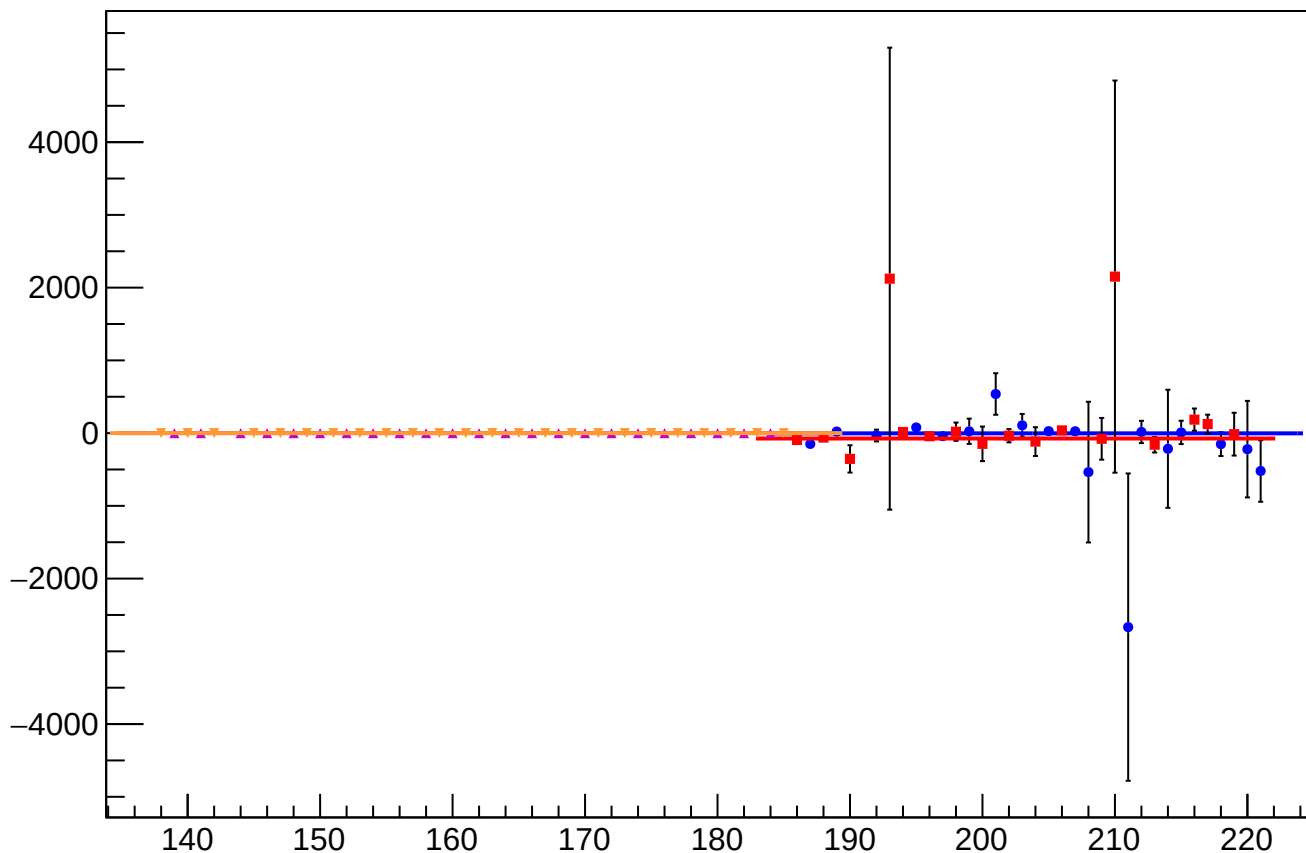
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 84.9/57

All: -0.001 ± 0.000 χ^2/NDF : 26654.0/115

- sign -0.001 ± 0.001 χ^2/NDF : 26569.1/57

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -3.194 ± 14.989 χ^2/NDF : 24.3/17

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -74.001 ± 9.584 χ^2/NDF : 21.9/16

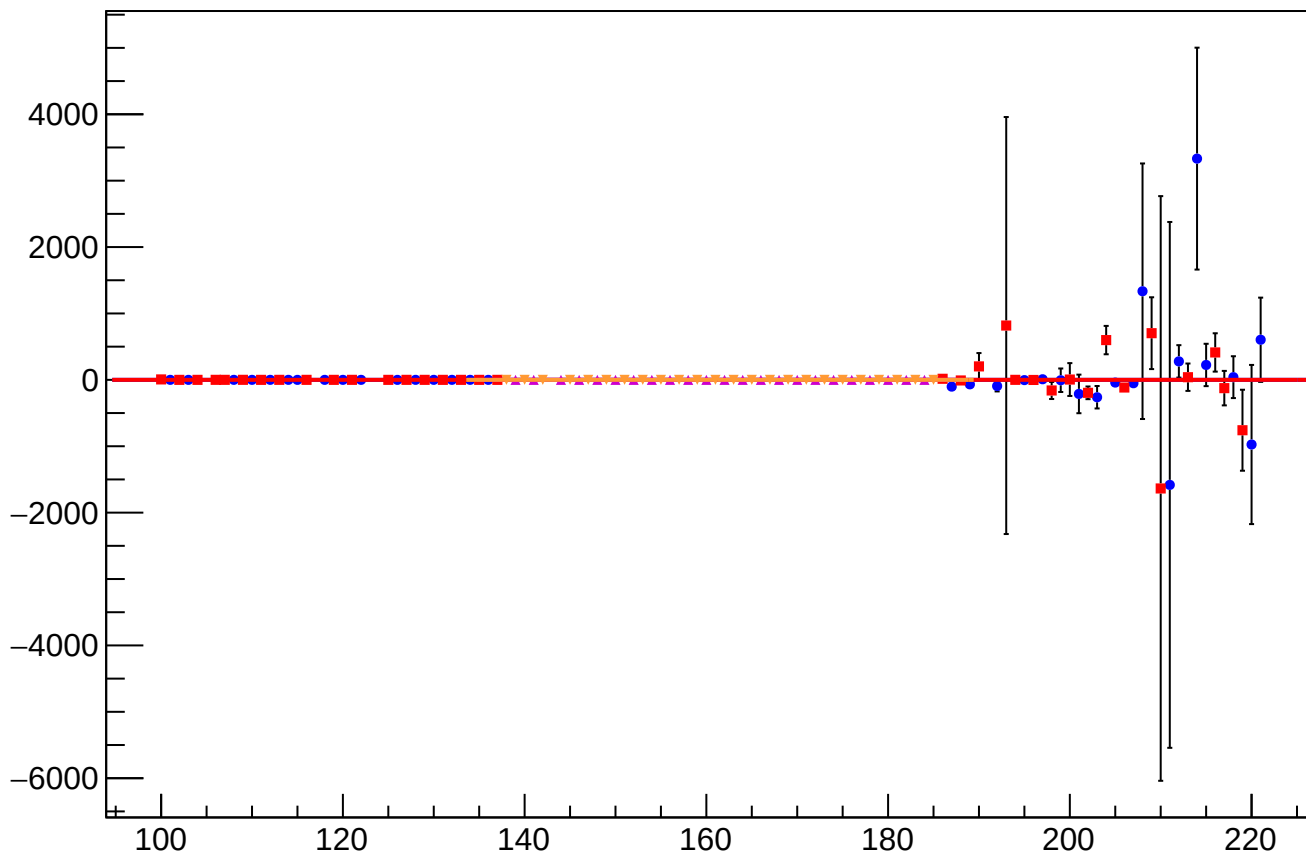
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 61.7/41

All: -0.031 ± 0.013 χ^2/NDF : 181.1/81

- 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 : 45.3/33

Left Out: -0.011 ± 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 ± 0.025 χ^2/NDF : 53.4/34

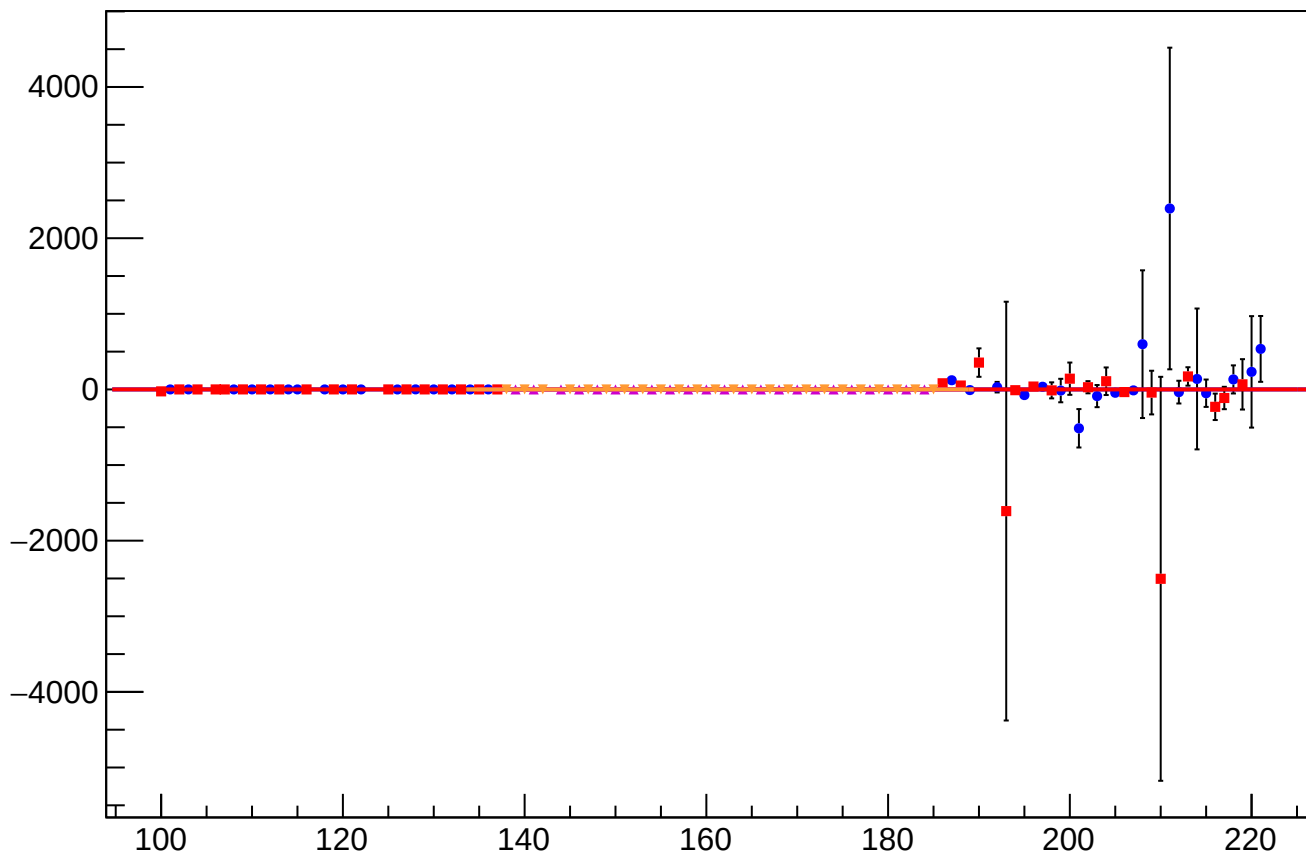
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 ± 0.012 χ^2/NDF : 75.3/57

All: 0.003 ± 0.009 χ^2/NDF : 180.7/115

- sign 0.013 ± 0.012 χ^2/NDF : 104.2/57

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 54.1/33

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF:35.4/23

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 113.9/34

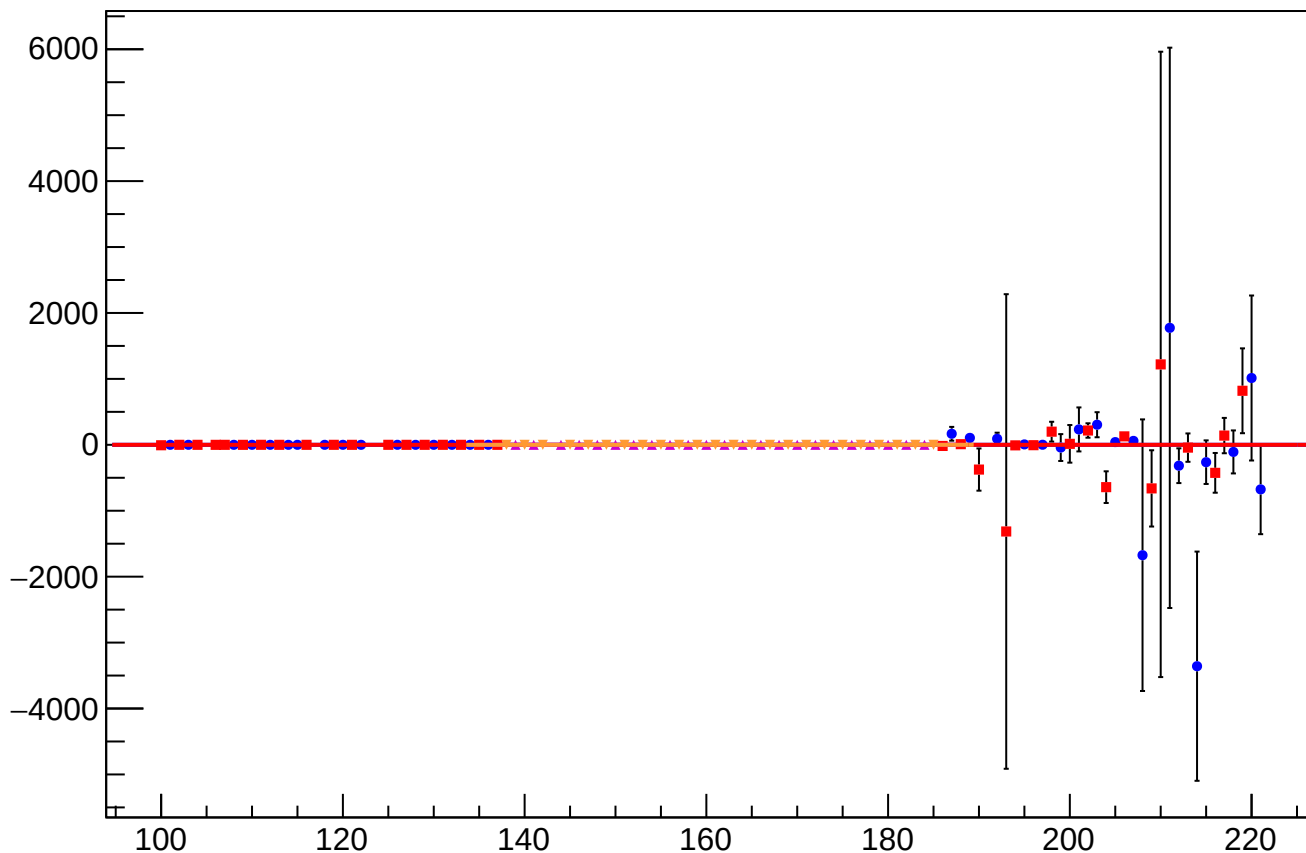
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF:35.8/22

+ sign 0.064 $\pm$ 0.017 χ^2 /NDF: 95.0/57

All: 0.054 $\pm$ 0.012 χ^2 /NDF: 258.7/115

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 163.0/57

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 $\chi^2/\text{NDF}: 45.2/33$

Left Out: 0.022 ± 0.016 $\chi^2/\text{NDF}: 33.3/23$

Right Out: -0.046 ± 0.029 $\chi^2/\text{NDF}: 49.9/34$

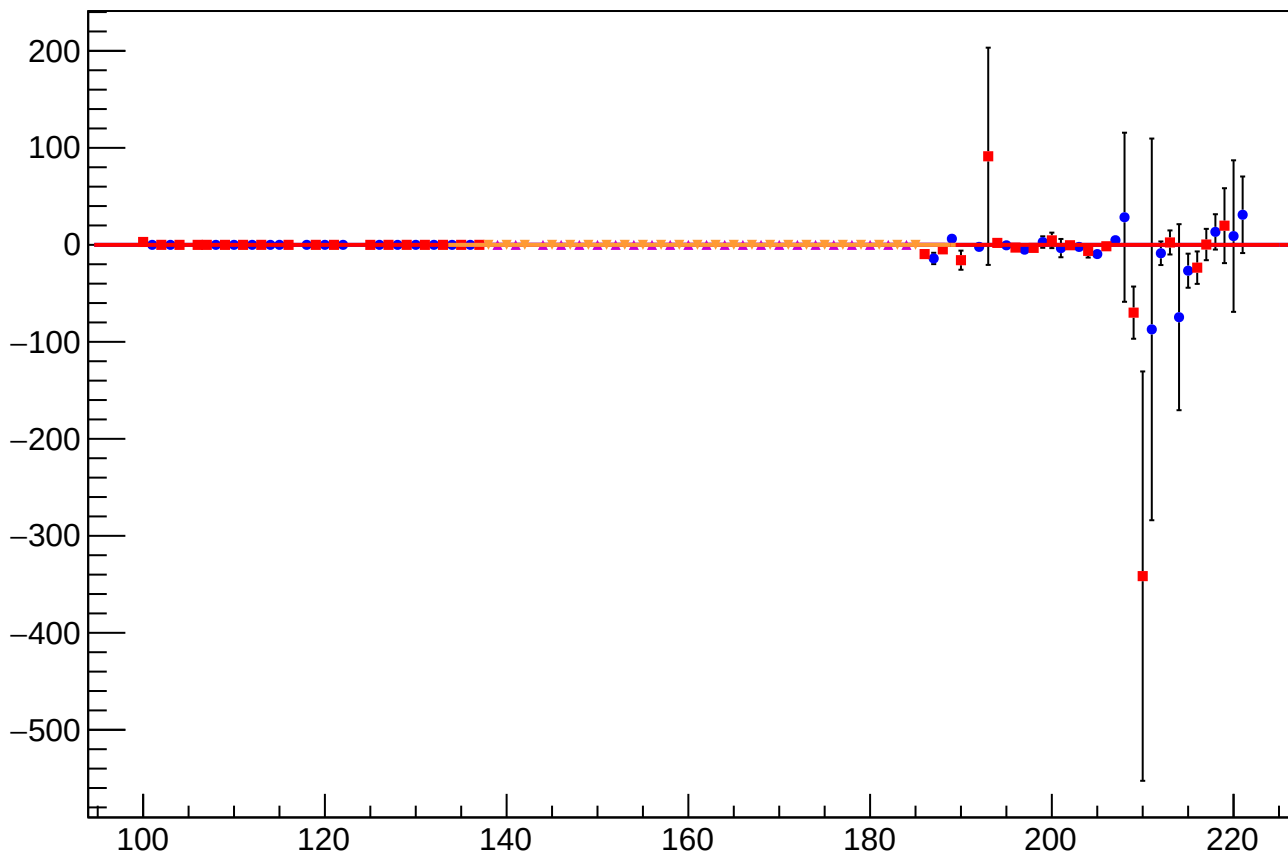
Left In: 0.006 ± 0.016 $\chi^2/\text{NDF}: 50.1/22$

+ sign 0.013 ± 0.014 $\chi^2/\text{NDF}: 79.5/57$

All: 0.004 ± 0.010 $\chi^2/\text{NDF}: 183.2/115$

- sign -0.007 ± 0.014 $\chi^2/\text{NDF}: 102.6/57$

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006+/-0.001 χ^2 /NDF: 62.5/33

Left Out: -0.008+/-0.001 χ^2 /NDF:32.0/23

Right Out: -0.006+/-0.001 χ^2 /NDF: 226.5/34

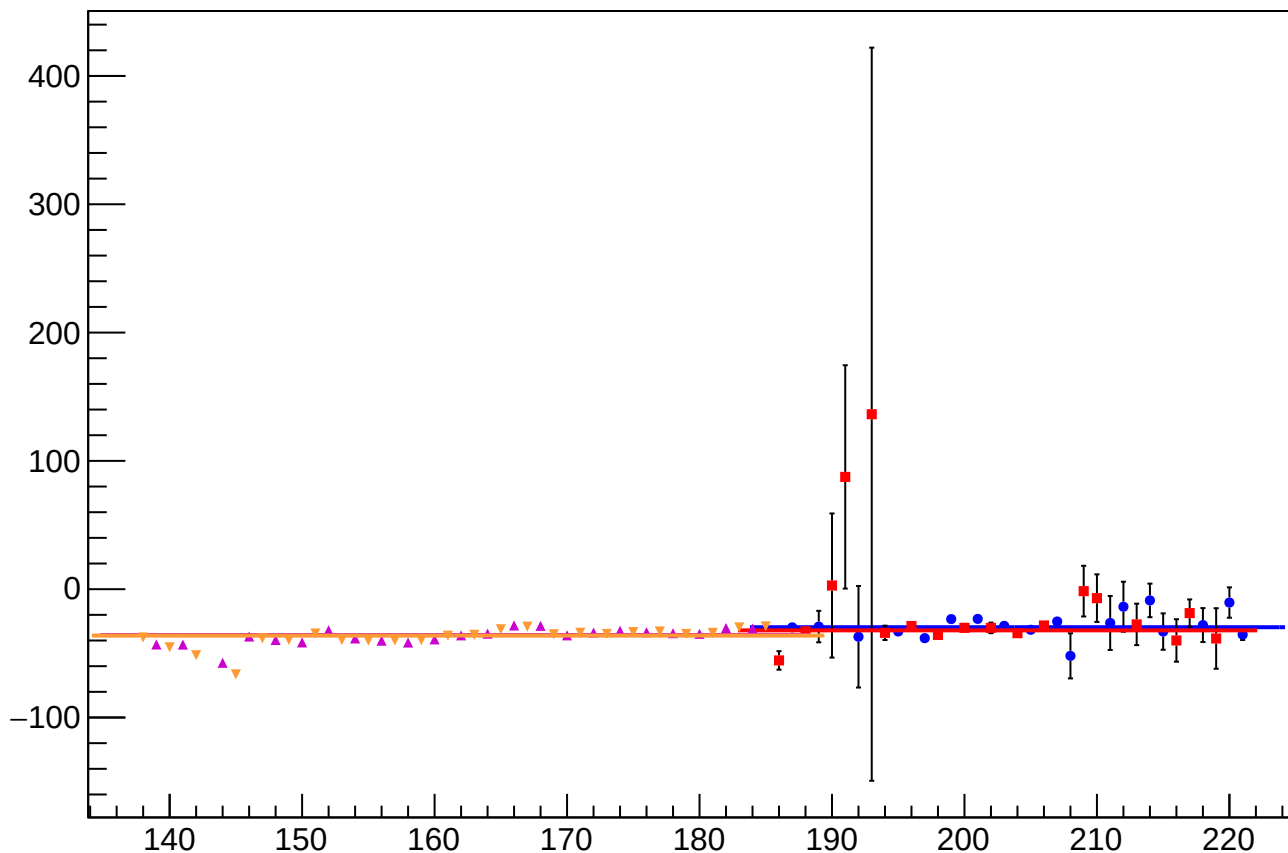
Left In: -0.009+/-0.001 χ^2 /NDF:37.2/22

+ sign -0.008+/-0.001 χ^2 /NDF: 96.2/57

All: -0.008+/-0.000 χ^2 /NDF: 363.0/115

- sign -0.008+/-0.001 χ^2 /NDF: 266.7/57

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.641 ± 0.833 χ^2/NDF : 33.5/17

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -32.092 ± 0.802 χ^2/NDF : 27.0/17

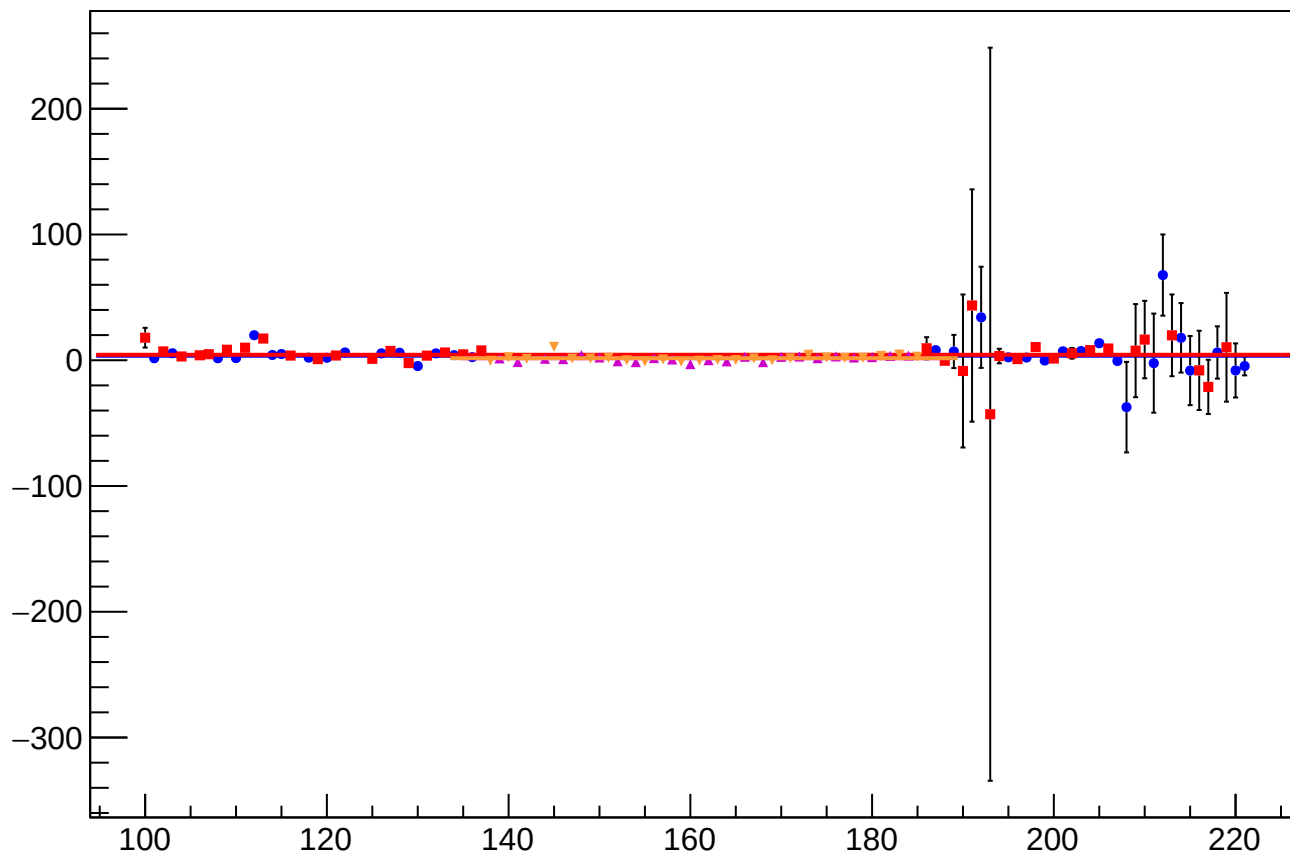
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.794 ± 0.187 χ^2/NDF : 1205.9/41

All: -35.687 ± 0.132 χ^2/NDF : 2107.6/82

- sign -35.581 ± 0.186 χ^2/NDF : 901.1/40

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.595 ± 0.217 χ^2/NDF : 464.1/33

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.347 ± 0.221 χ^2/NDF : 370.9/35

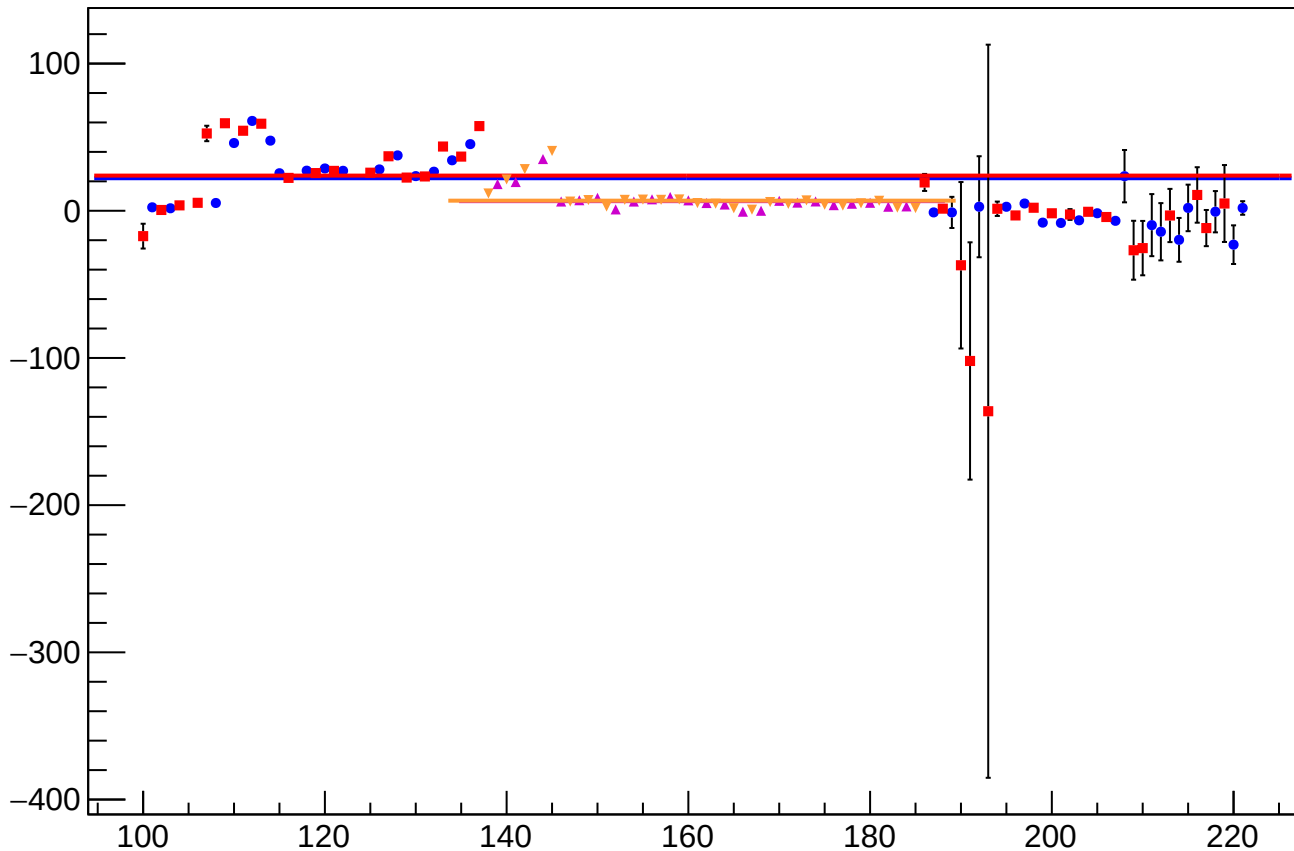
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.257 ± 0.122 χ^2/NDF : 686.5/57

All: 2.373 ± 0.087 χ^2/NDF : 1325.7/116

- sign 2.493 ± 0.124 χ^2/NDF : 637.3/58

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 22.106 $\pm$ 0.368 χ^2 /NDF: 2855.5/33

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

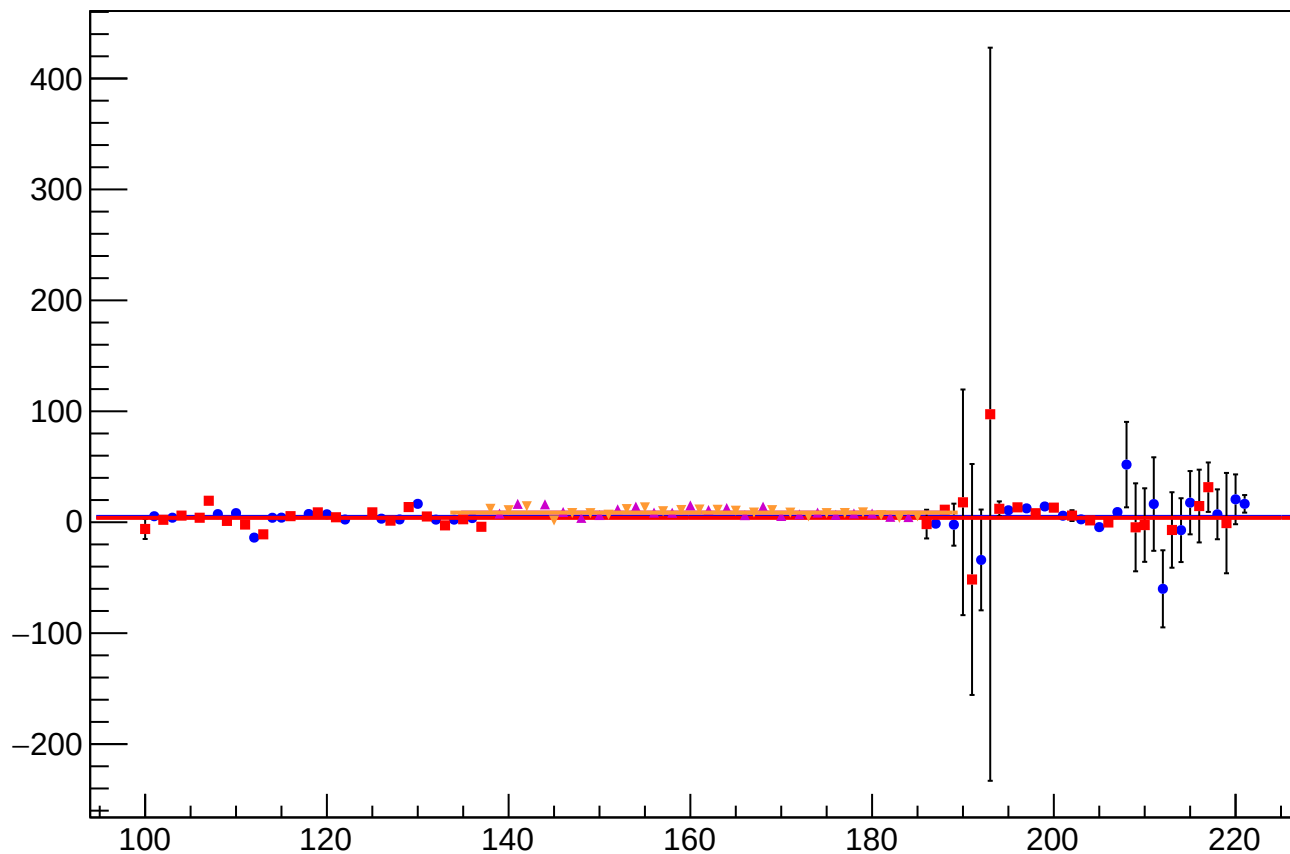
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.108 $\pm$ 0.170 χ^2 /NDF: 5500.1/57

All: 10.208 $\pm$ 0.120 χ^2 /NDF: 11640.9/116

- sign 10.307 $\pm$ 0.168 χ^2 /NDF: 6140.1/58

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.818 ± 0.250 χ^2/NDF : 579.4/33

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.940 ± 0.254 χ^2/NDF : 590.9/35

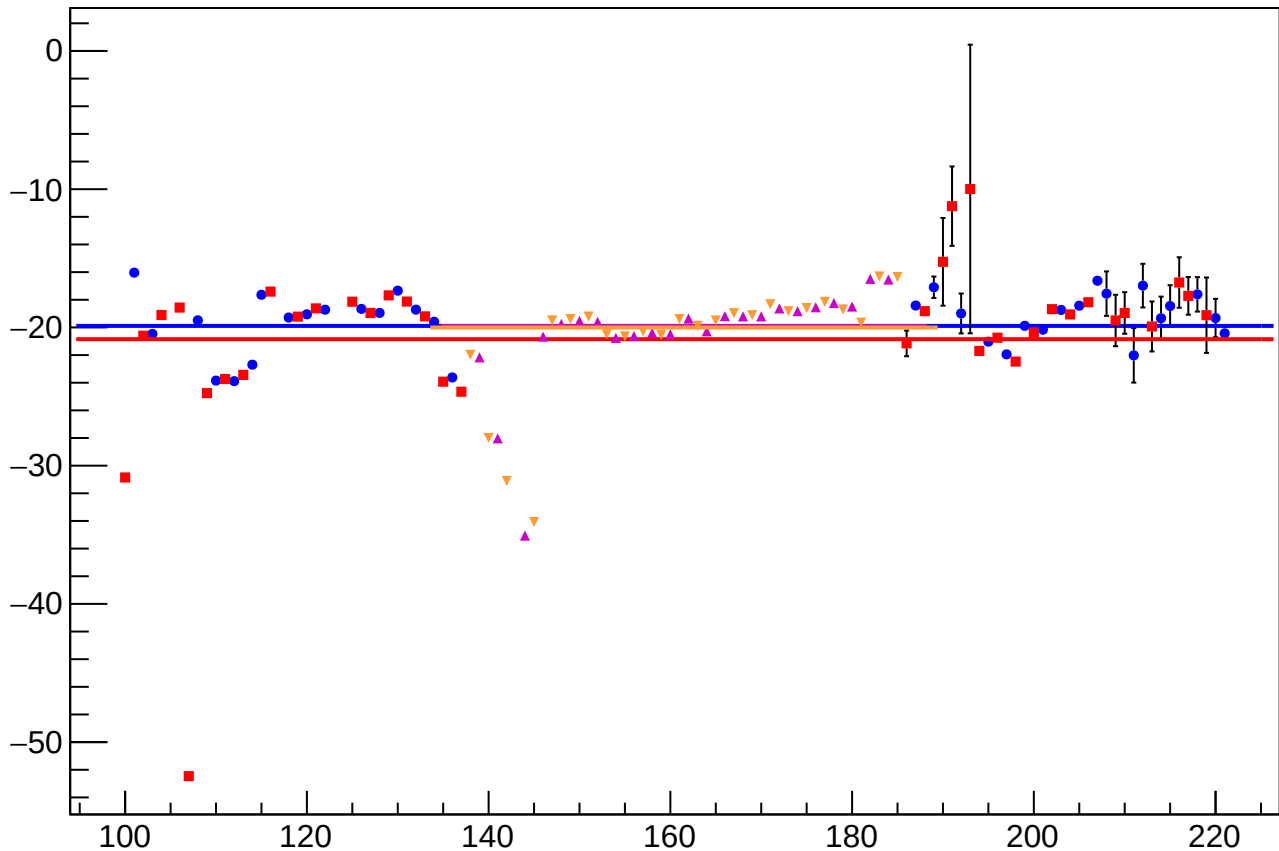
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.478 ± 0.140 χ^2/NDF : 985.5/57

All: 7.343 ± 0.099 χ^2/NDF : 2253.8/116

- 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 : 27153.6/33

Left Out: -20.006 ± 0.008 χ^2/NDF : 171763.9/23

Right Out: -20.851 ± 0.015 χ^2/NDF : 95251.3/35

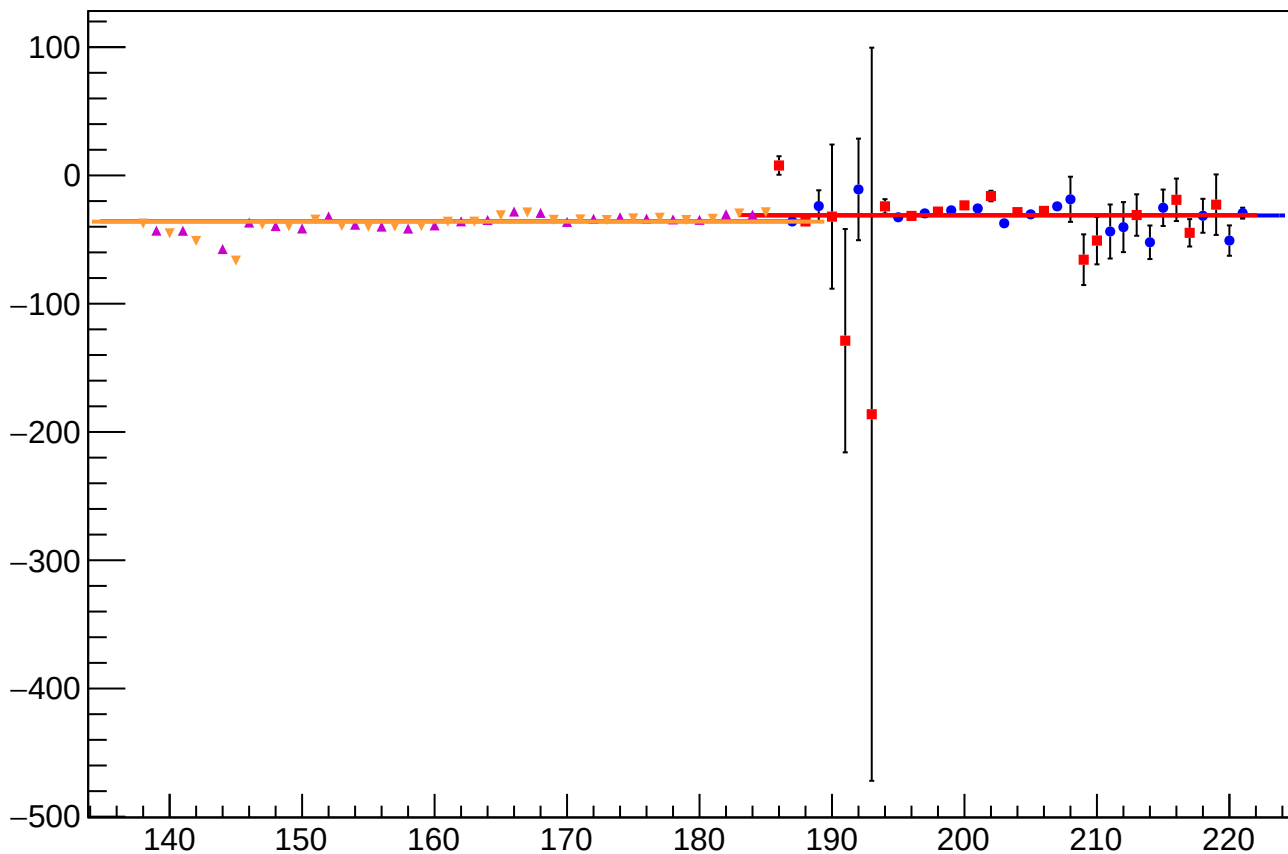
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.980 ± 0.007 χ^2/NDF : 198965.4/57

All: -20.042 ± 0.005 χ^2/NDF : 441759.3/116

- sign -20.104 ± 0.007 χ^2/NDF : 242634.8/58

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.227 ± 0.835 χ^2/NDF : 34.3/17

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -30.894 ± 0.804 χ^2/NDF : 78.5/17

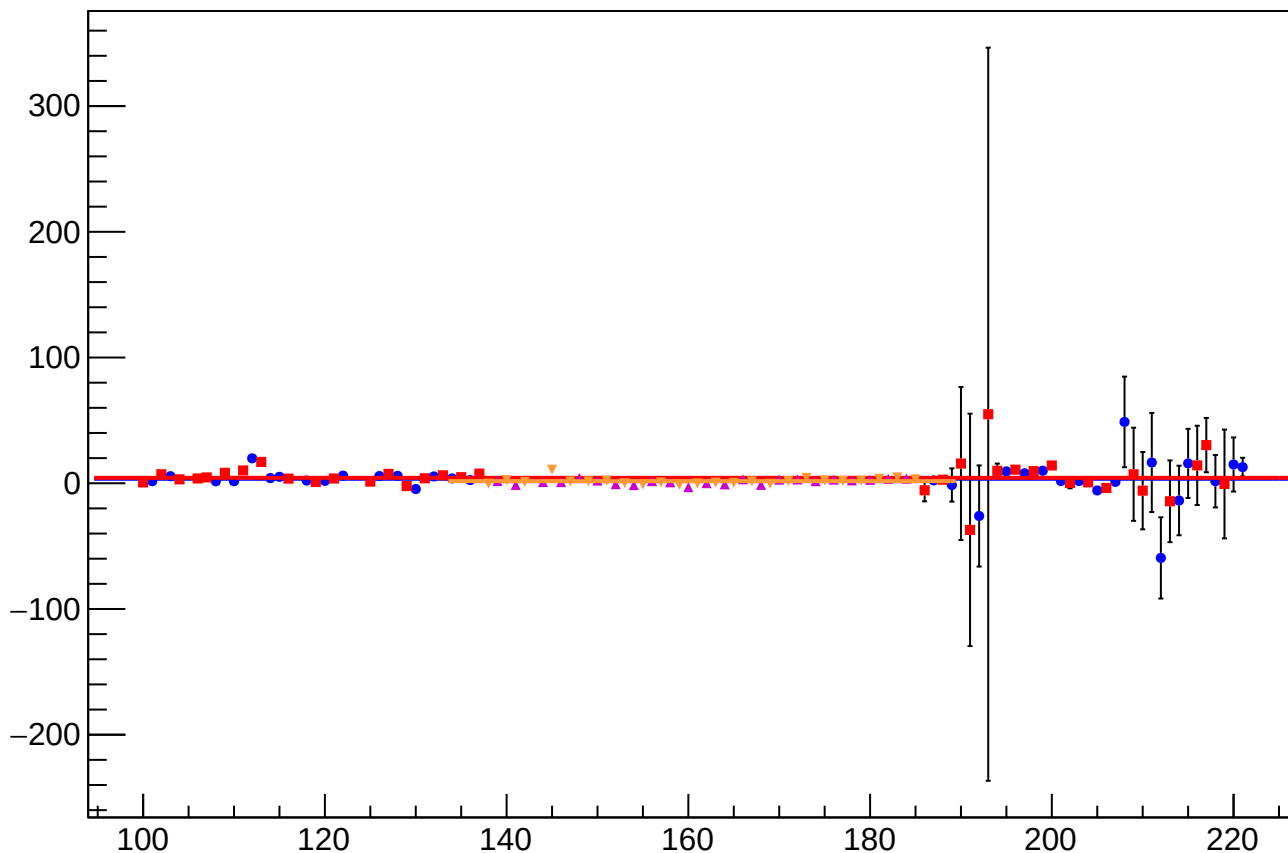
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.790 ± 0.187 χ^2/NDF : 1187.0/41

All: -35.647 ± 0.132 χ^2/NDF : 2144.0/82

- sign -35.506 ± 0.186 χ^2/NDF : 955.8/40

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.576 ± 0.216 χ^2/NDF : 463.9/33

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.323 ± 0.217 χ^2/NDF : 380.3/35

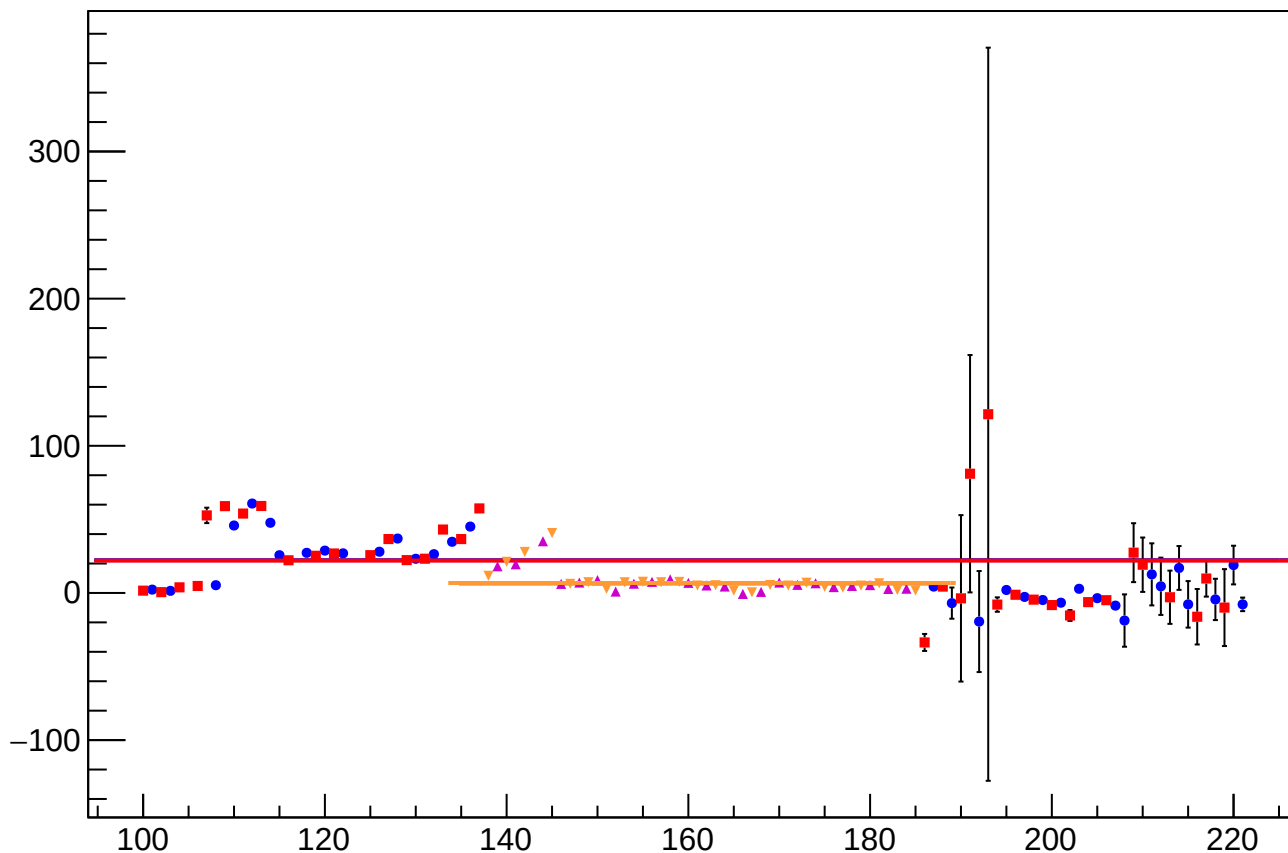
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.312 ± 0.122 χ^2/NDF : 682.0/57

All: 2.428 ± 0.087 χ^2/NDF : 1325.8/116

- sign 2.547 ± 0.123 χ^2/NDF : 642.0/58

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 22.250 $\pm$ 0.368 χ^2 /NDF: 2750.8/33

Left Out: 6.779 $\pm$ 0.191 χ^2 /NDF: 1297.7/23

Right Out: 22.025 $\pm$ 0.349 χ^2 /NDF: 3667.8/35

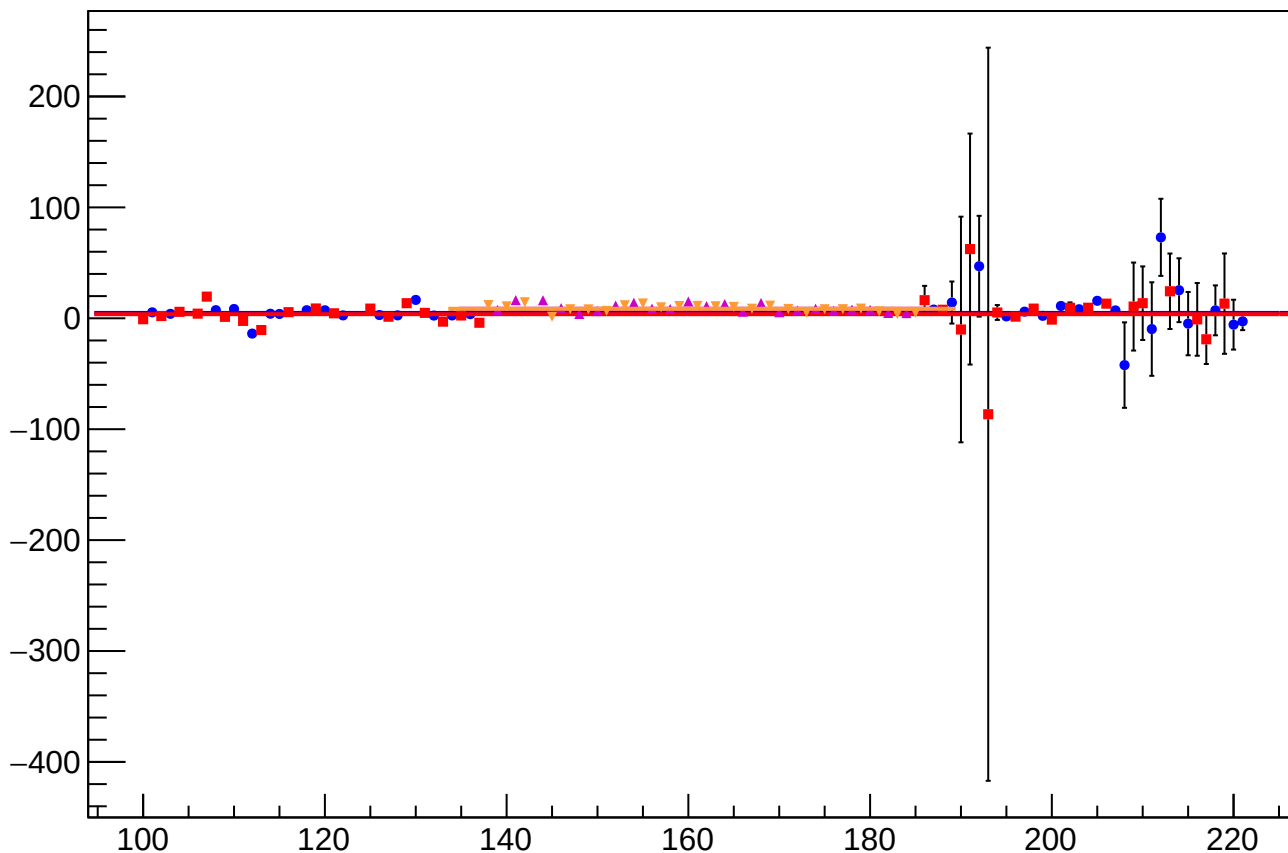
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF: 1018.2/22

+ sign 10.066 $\pm$ 0.170 χ^2 /NDF: 5438.4/57

All: 10.077 $\pm$ 0.119 χ^2 /NDF: 11645.9/116

- sign 10.088 $\pm$ 0.167 χ^2 /NDF: 6207.4/58

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.840 ± 0.250 χ^2/NDF : 566.1/33

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.697 ± 0.250 χ^2/NDF : 590.5/35

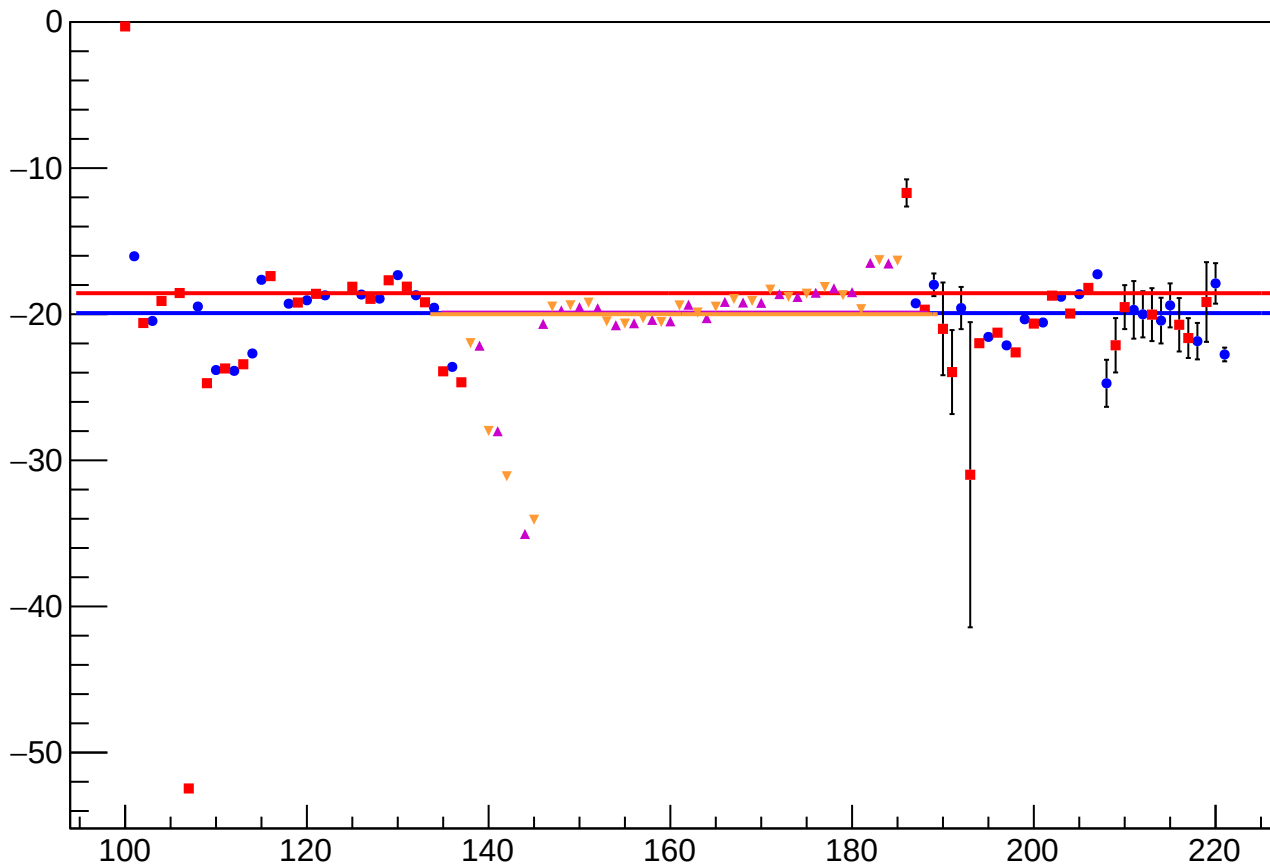
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.410 ± 0.140 χ^2/NDF : 966.0/57

All: 7.226 ± 0.099 χ^2/NDF : 2263.0/116

- sign 7.039 ± 0.141 χ^2/NDF : 1293.5/58

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.923 ± 0.015 $\chi^2/\text{NDF}: 27138.2/33$

Left Out: -19.998 ± 0.008 $\chi^2/\text{NDF}: 171944.6/23$

Right Out: -18.560 ± 0.014 $\chi^2/\text{NDF}: 303735.3/35$

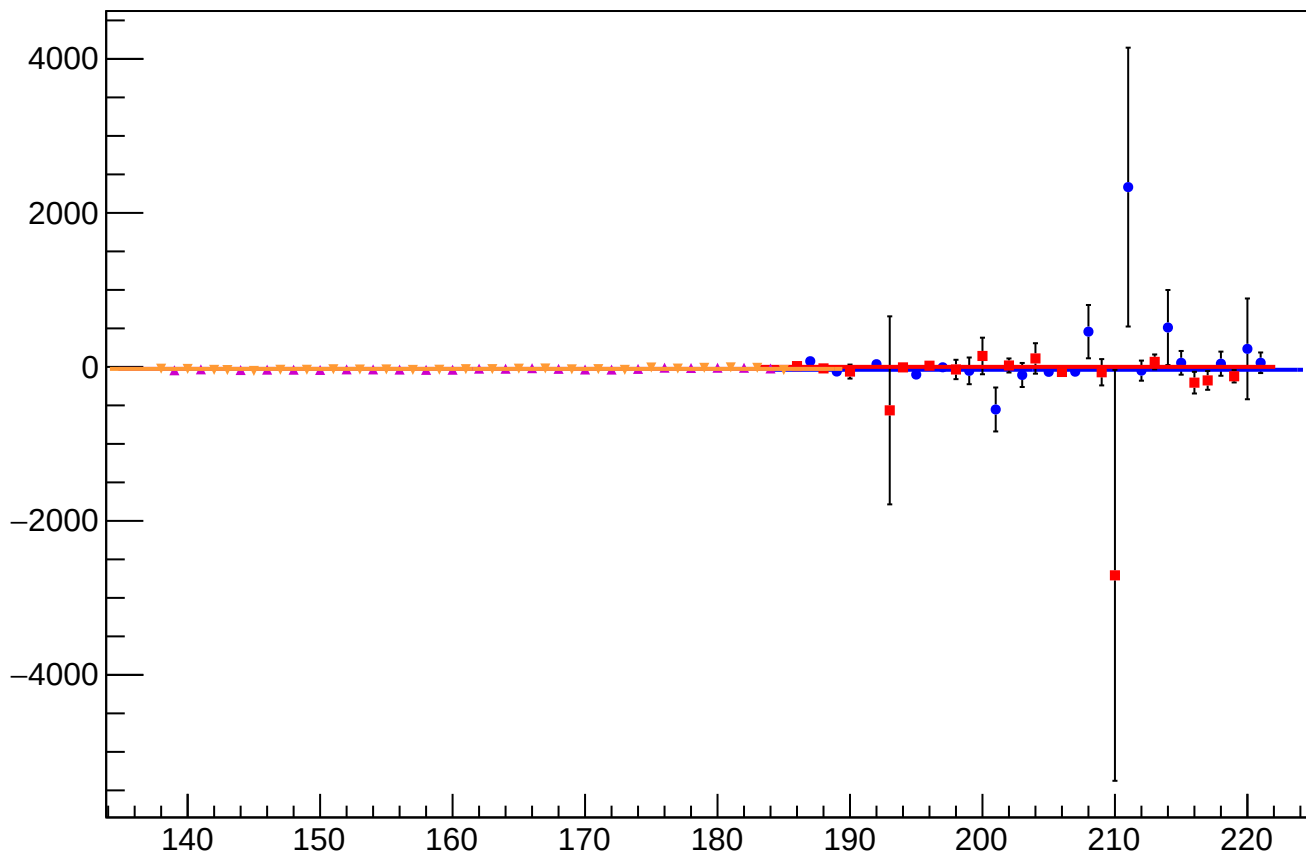
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -19.981 ± 0.007 $\chi^2/\text{NDF}: 199103.0/57$

All: -19.775 ± 0.005 $\chi^2/\text{NDF}: 655420.4/116$

- sign -19.576 ± 0.007 $\chi^2/\text{NDF}: 454596.3/58$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -37.422 ± 12.829 χ^2/NDF : 22.3/17

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 0.535 ± 8.012 χ^2/NDF : 13.8/16

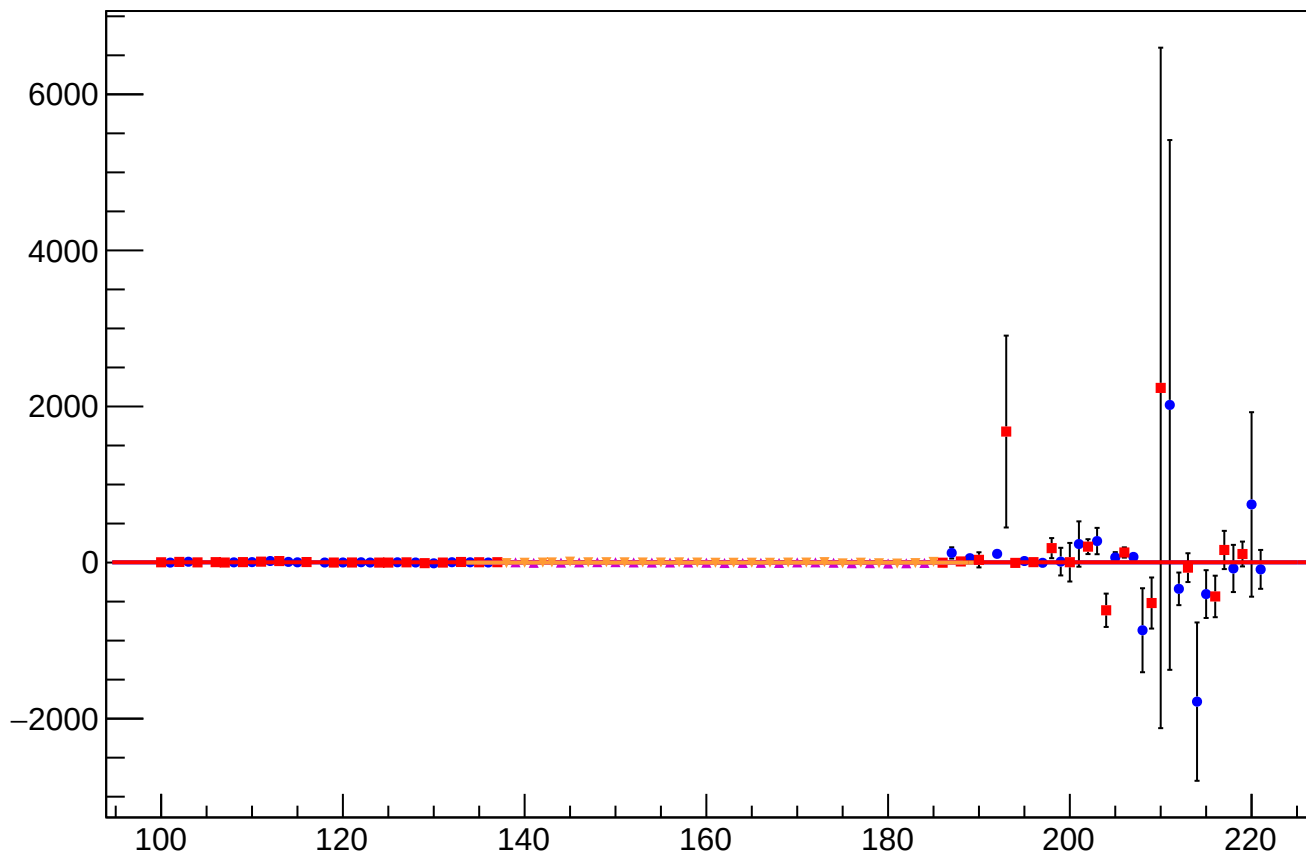
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.887 ± 0.192 χ^2/NDF : 4181.1/42

All: -25.961 ± 0.137 χ^2/NDF : 7485.7/82

- sign -26.036 ± 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 : 324.6/34

Left Out: -0.654+/-0.146 χ^2/NDF : 1320.8/24

Right Out: 3.715+/-0.327 χ^2/NDF : 296.2/35

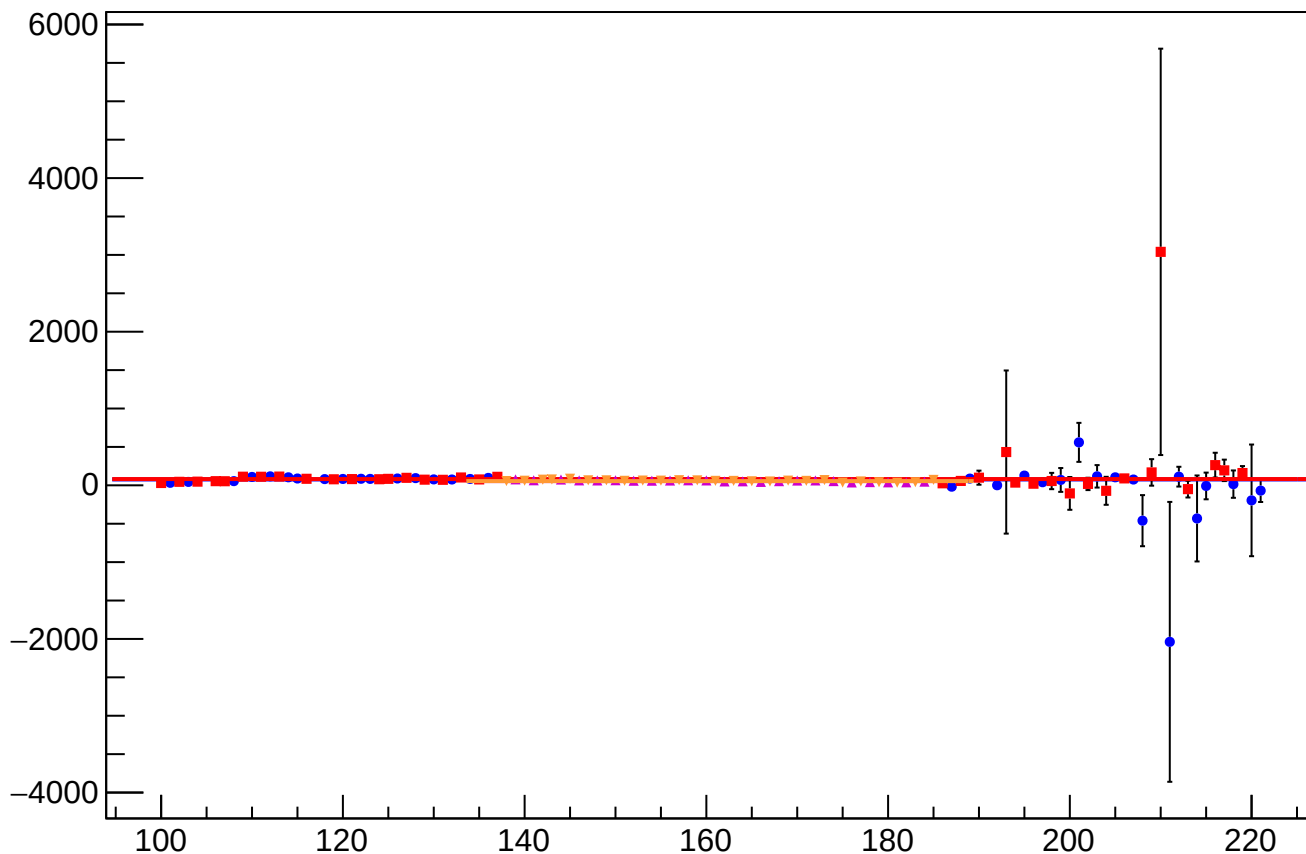
Left In: -0.863+/-0.150 χ^2/NDF : 1066.5/22

+ sign -0.099+/-0.133 χ^2/NDF : 1726.8/59

All: -0.081+/-0.095 χ^2/NDF : 3251.7/118

- sign -0.062+/-0.137 χ^2/NDF : 1524.9/58

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.528 $\pm$ 0.576 χ^2 /NDF: 2275.6/34

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

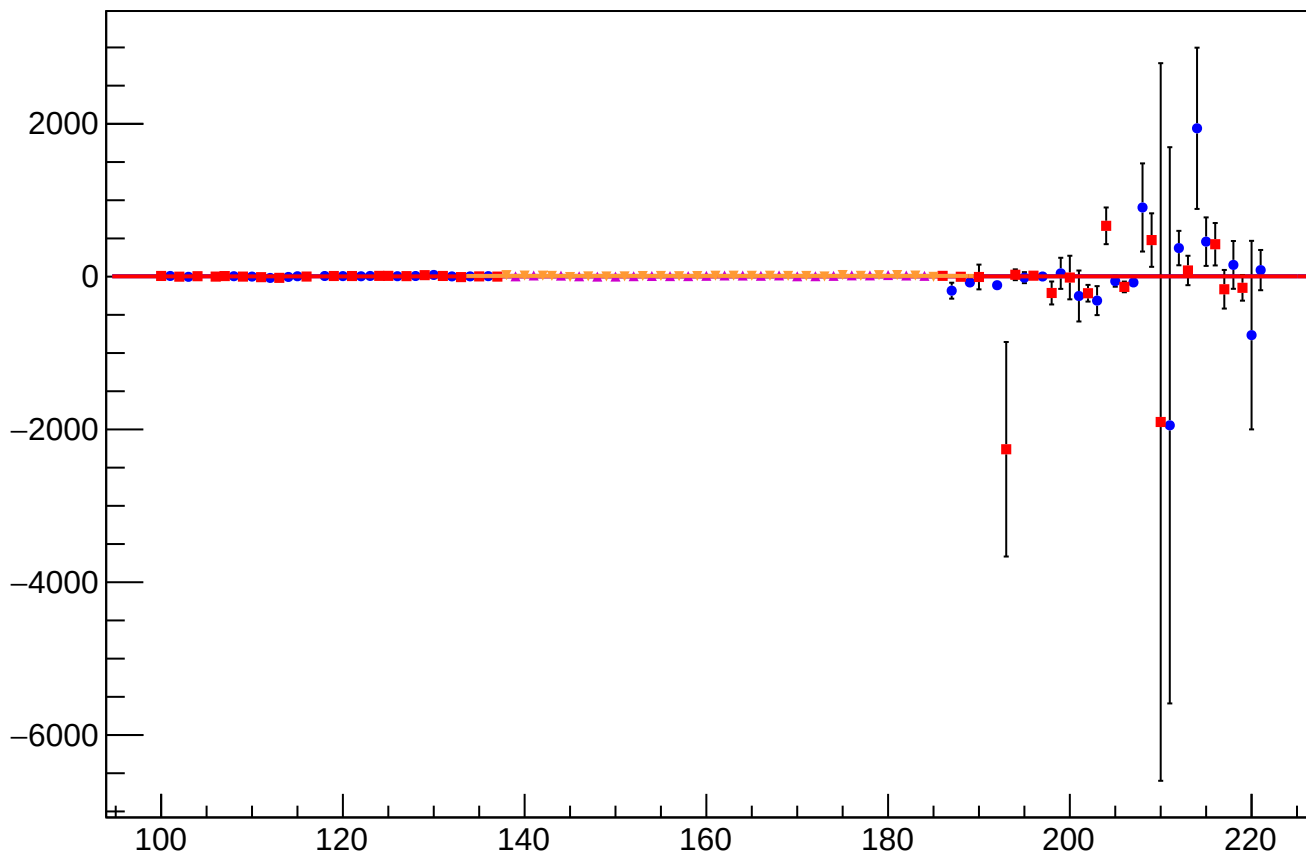
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8100.8/59

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15253.0/118

- 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 : 416.2/34

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.580 ± 0.375 χ^2/NDF : 447.8/35

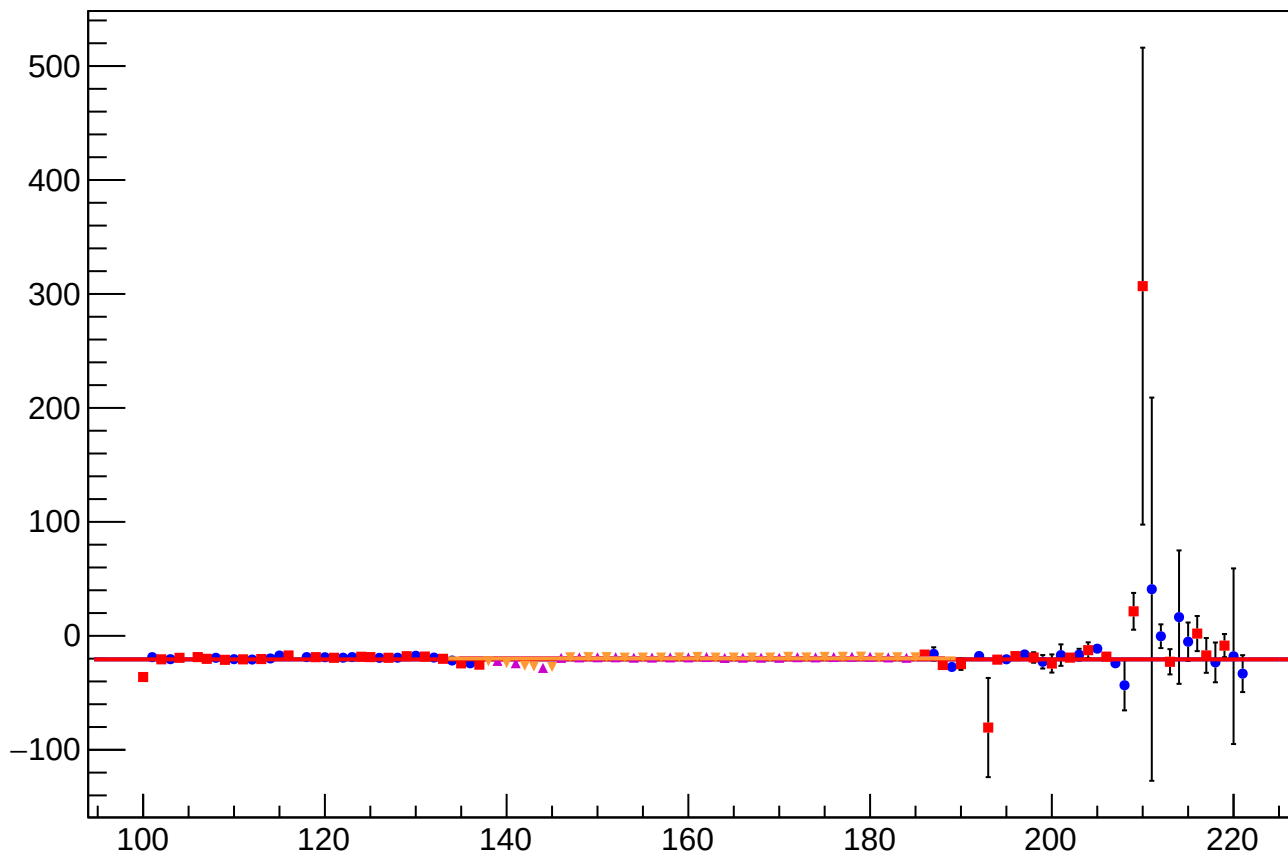
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.968 ± 0.152 χ^2/NDF : 1984.7/59

All: 8.851 ± 0.109 χ^2/NDF : 3819.8/118

- 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 $\chi^2/\text{NDF}: 12460.9/34$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.638 ± 0.019 $\chi^2/\text{NDF}: 13822.8/35$

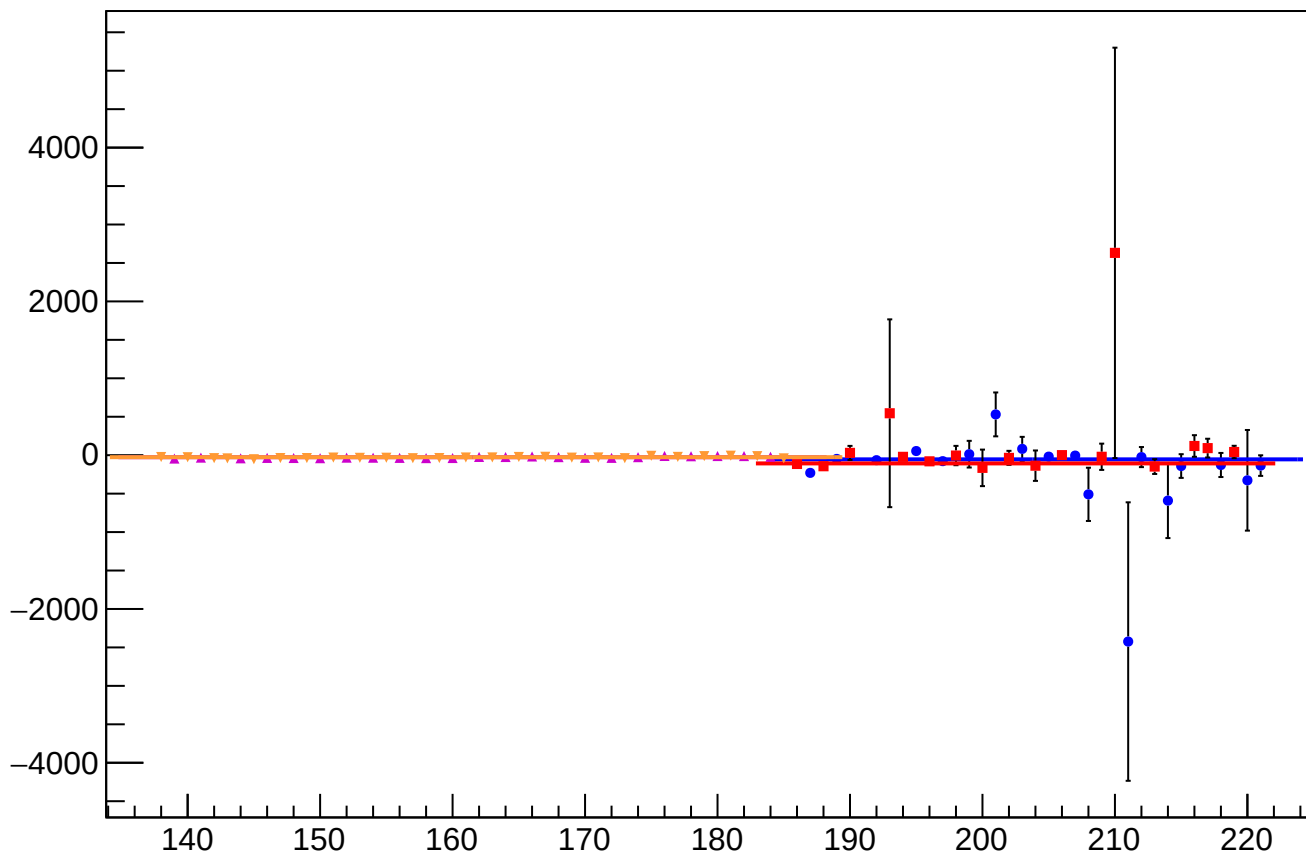
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105839.6/59$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176859.6/118$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70267.4/58$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -54.215 ± 12.838 χ^2/NDF : 33.4/17

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -106.957 ± 8.017 χ^2/NDF : 25.8/16

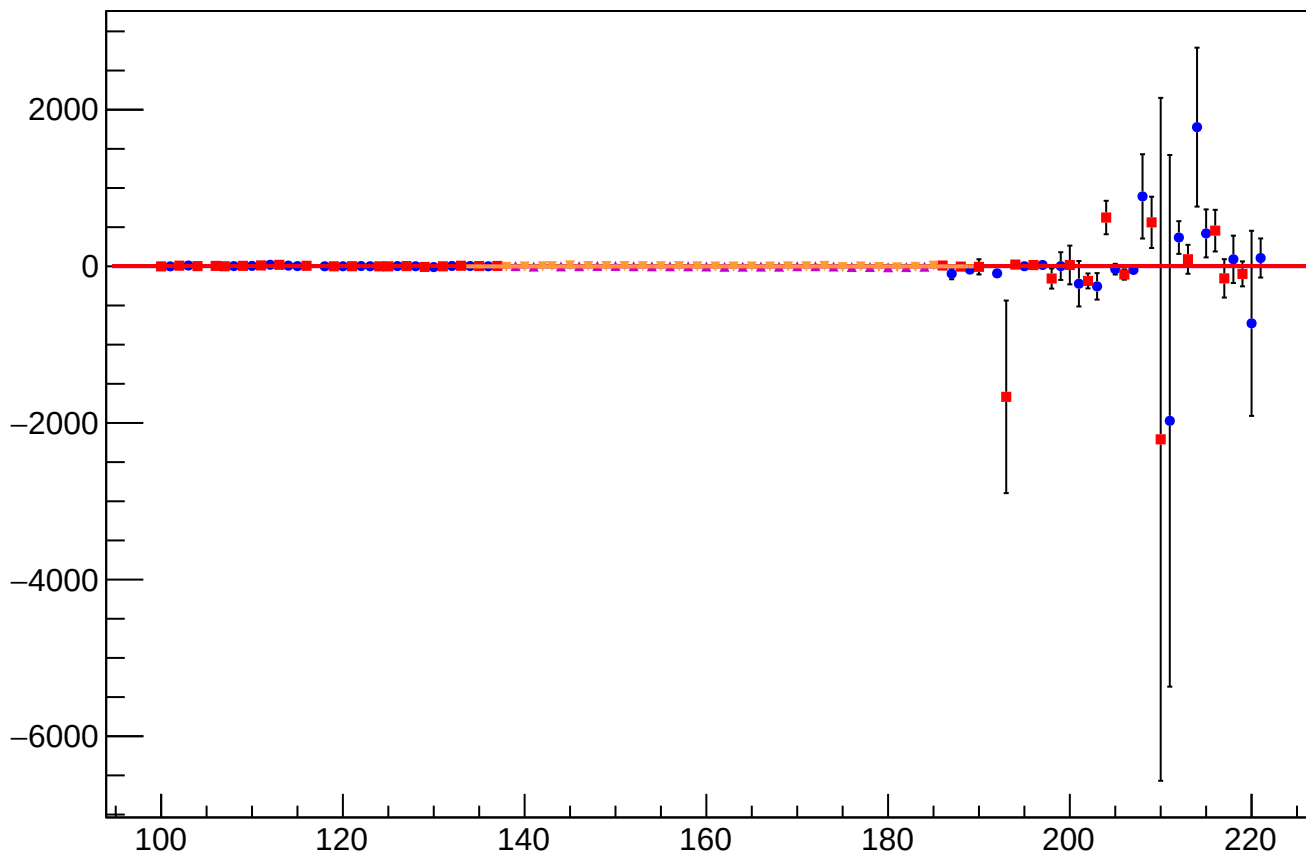
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 ± 0.192 χ^2/NDF : 4165.8/42

All: -25.998 ± 0.137 χ^2/NDF : 7540.6/82

- 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 : 317.2/34

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.593 ± 0.318 χ^2/NDF : 306.1/35

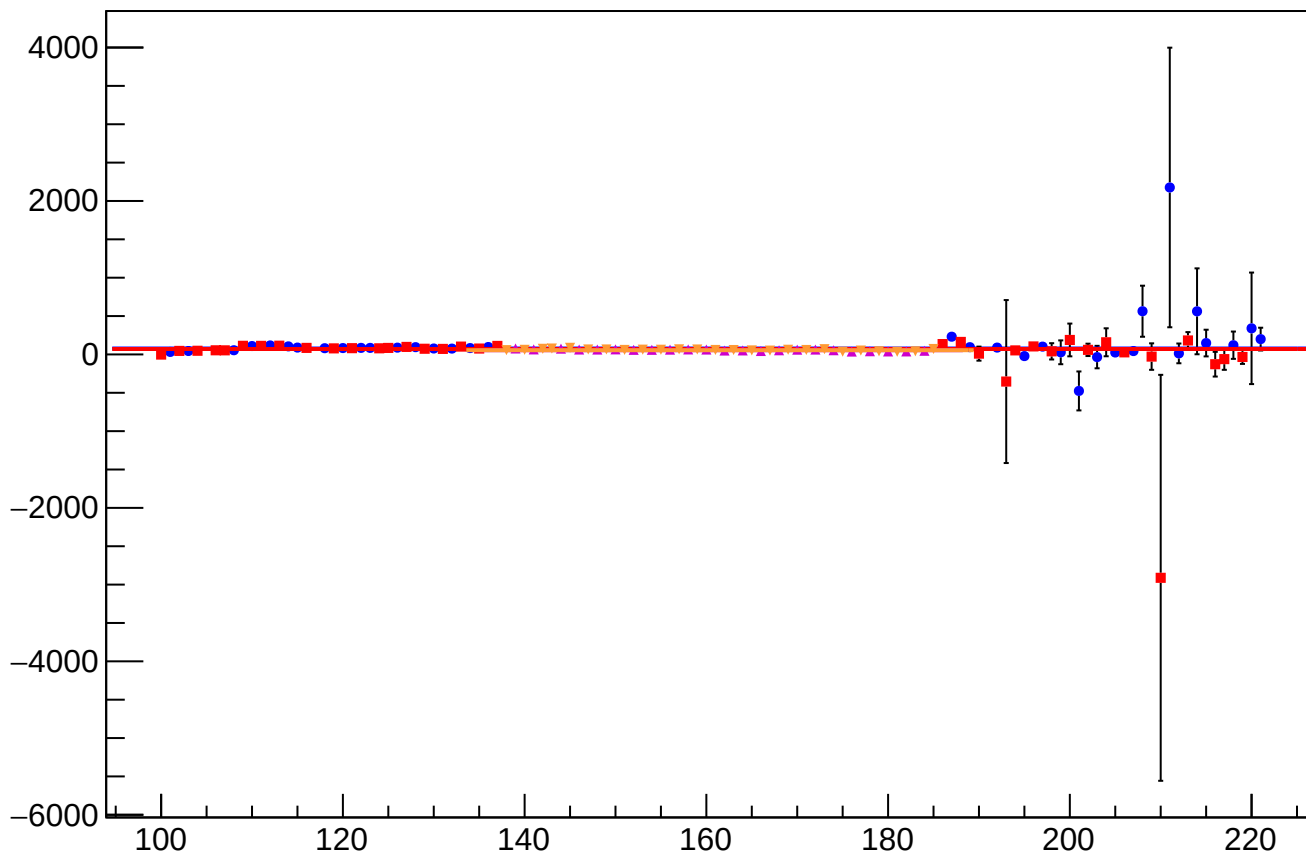
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1704.3/59

All: -0.025 ± 0.095 χ^2/NDF : 3272.5/118

- sign 0.009 ± 0.136 χ^2/NDF : 1568.0/58

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.712 $\pm$ 0.576 χ^2 /NDF: 2301.8/34

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

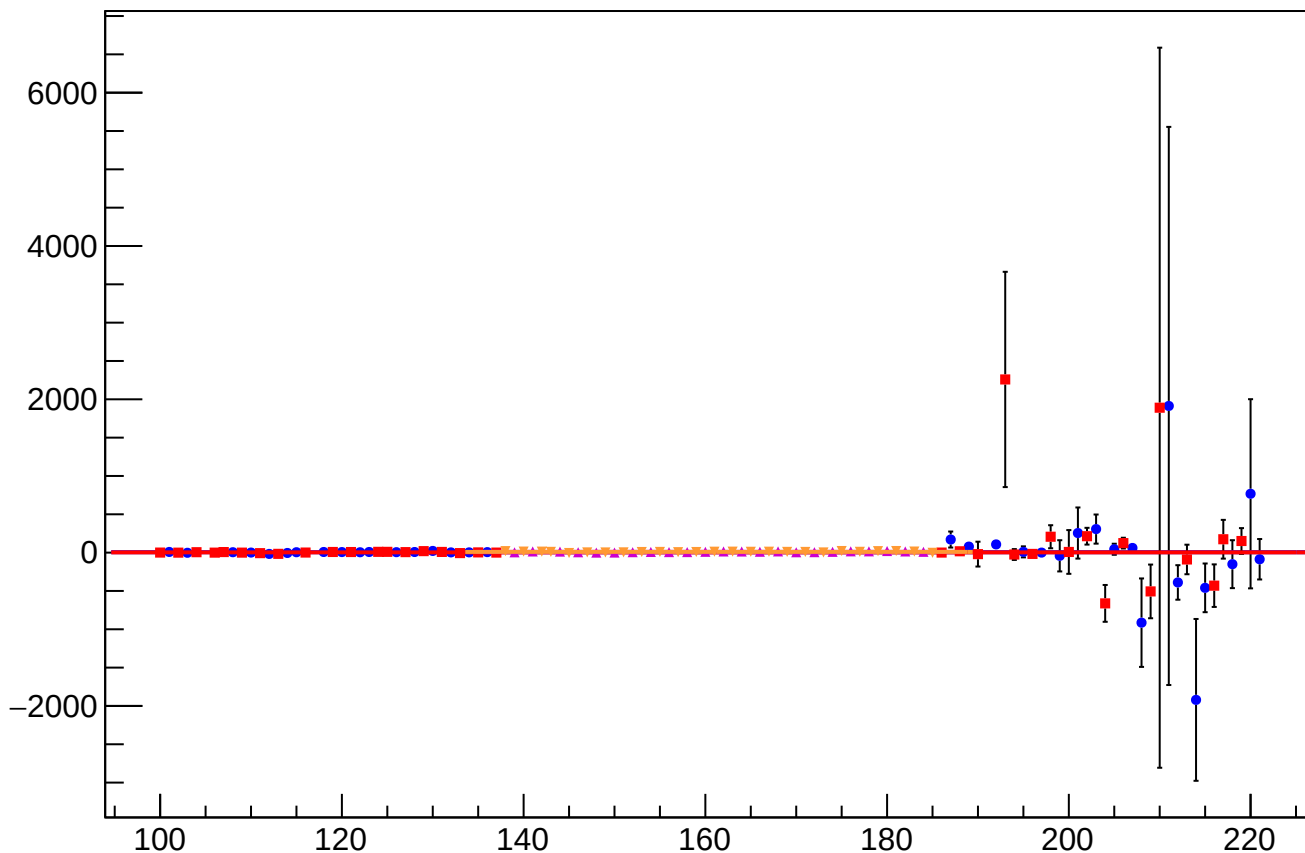
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.260 $\pm$ 0.182 χ^2 /NDF: 8126.5/59

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 17016.2/118

- 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 : 410.4/34

Left Out: 9.675 ± 0.168 $\chi^2/\text{NDF}: 1441.3/24$

Right Out: 3.283 ± 0.365 χ^2/NDF : 450.4/35

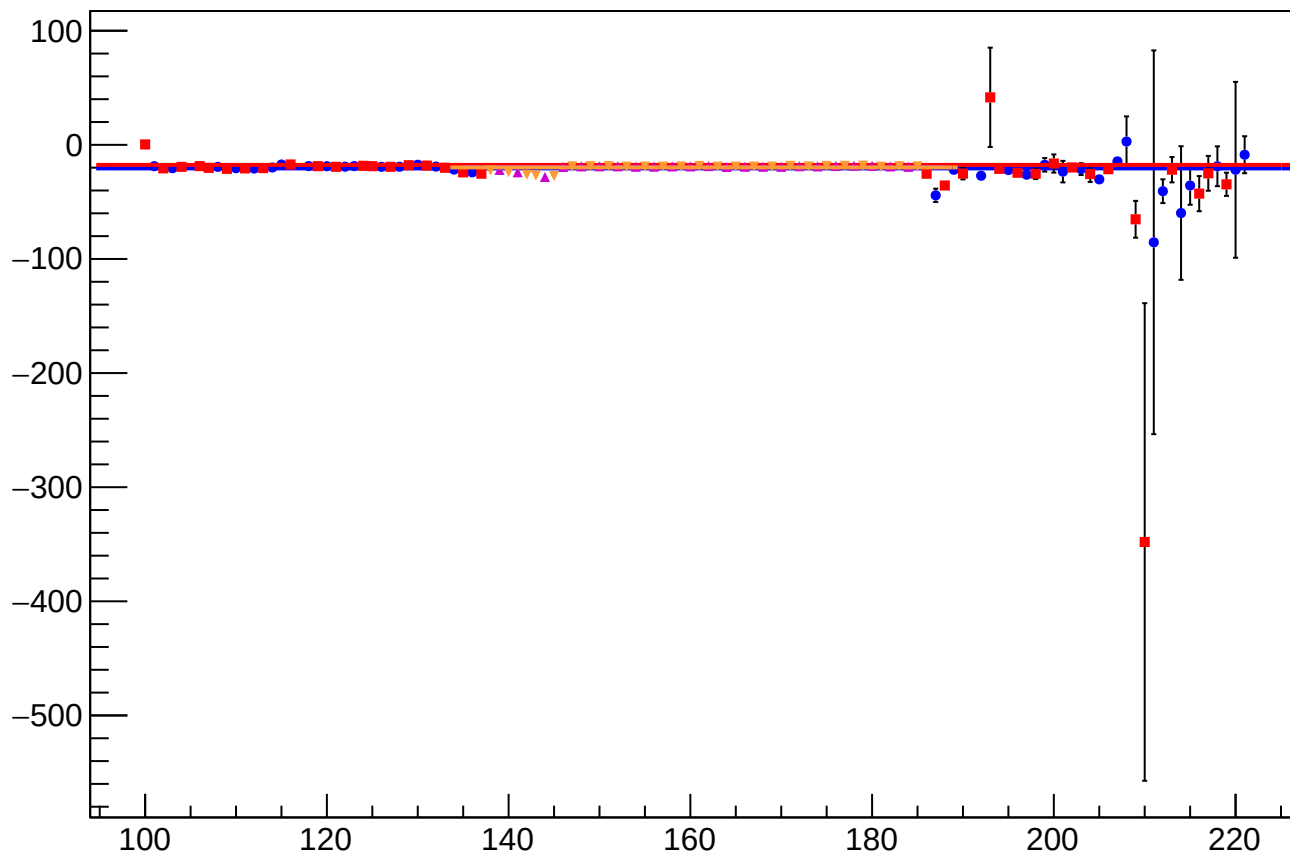
Left In: 9.738+/-0.172 χ^2/NDF :1191.1/22

+ sign 8.923 $\pm$ 0.152 χ^2 /NDF: 1964.7/59

All: 8.750 ± 0.109 χ^2/NDF : 3864.4/118

- sign 8.570 $\pm$ 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 : 12521.5/34

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.575 ± 0.018 χ^2/NDF : 178458.6/35

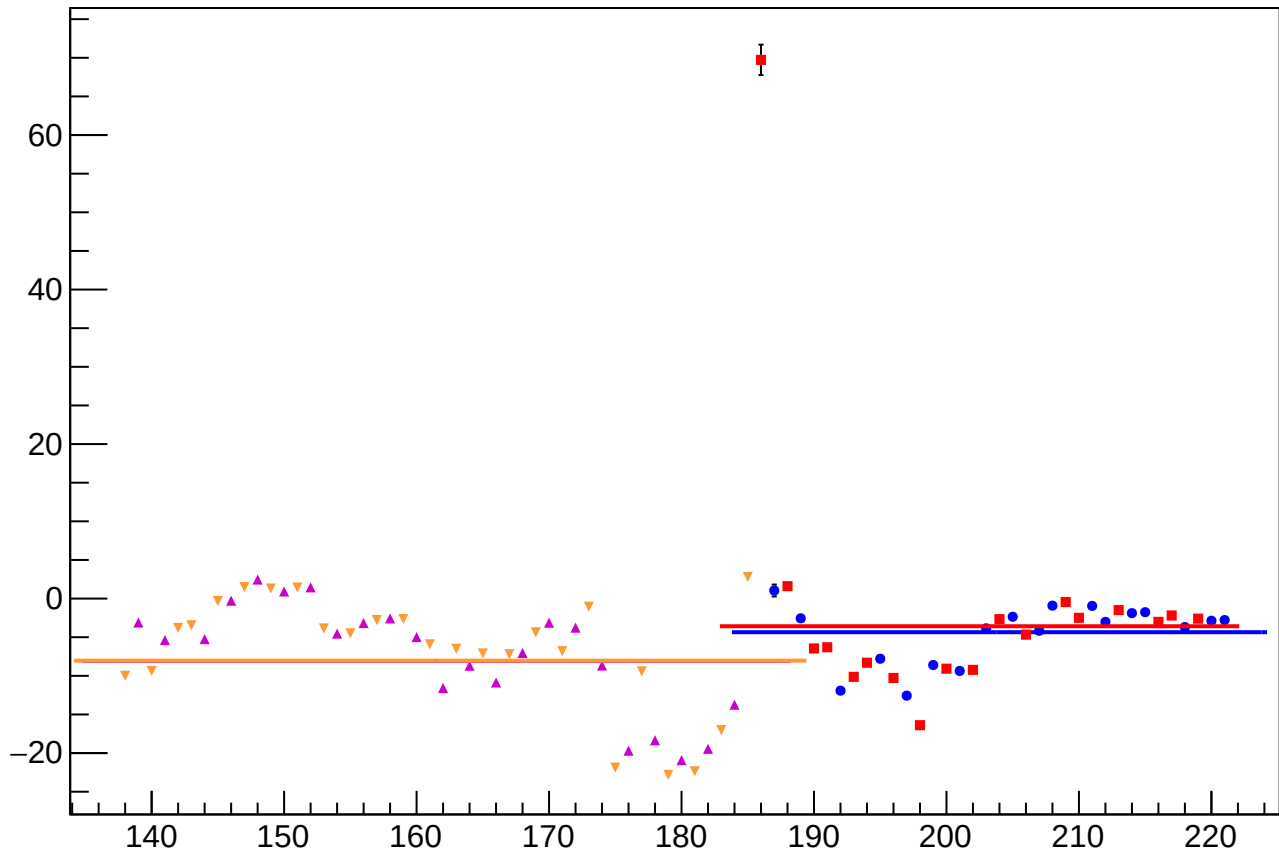
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105770.6/59

All: -19.518 ± 0.005 χ^2/NDF : 351750.8/118

- sign -19.140 ± 0.007 χ^2/NDF : 240569.3/58

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -4.352 ± 0.089 χ^2/NDF : 1617.9/17

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -3.581 ± 0.086 χ^2/NDF : 4172.9/17

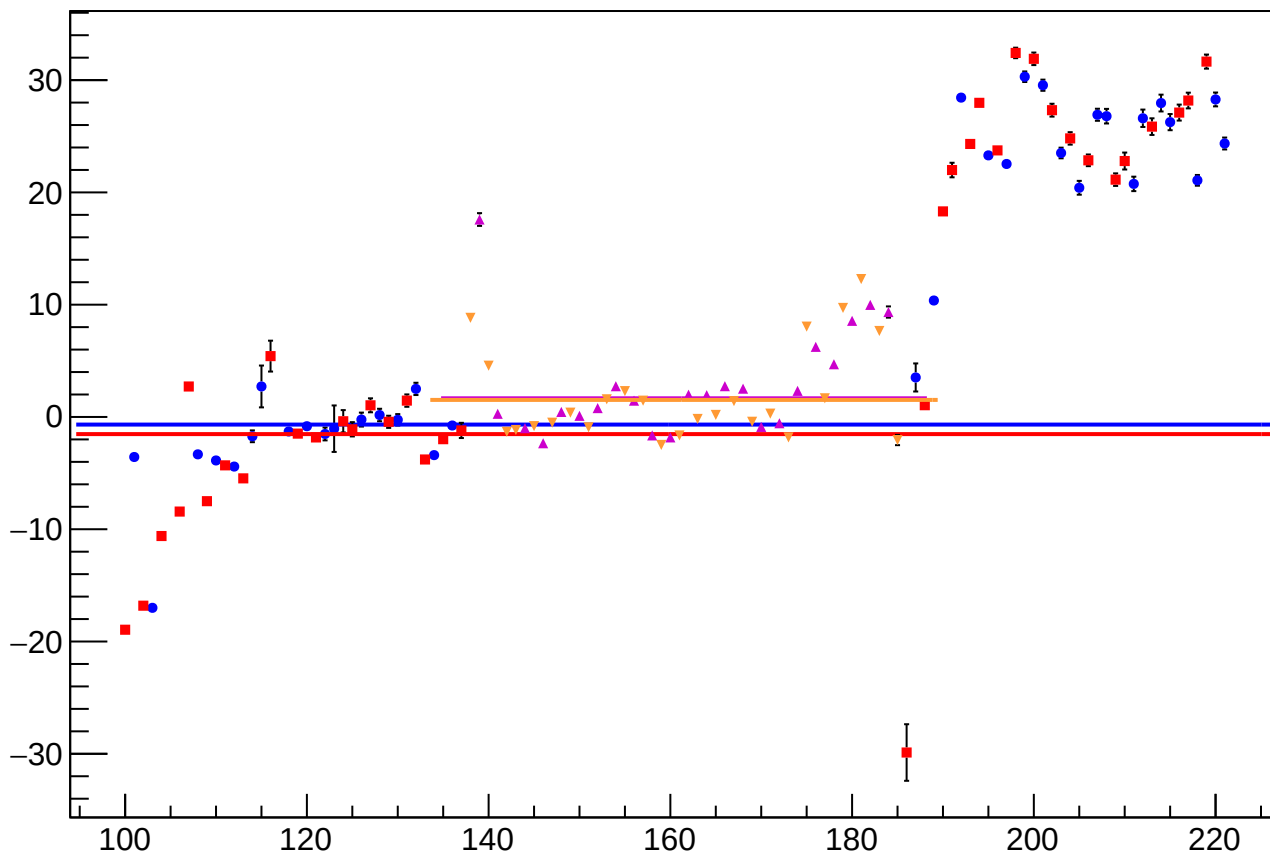
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -6.610 ± 0.055 χ^2/NDF : 15246.4/42

All: -6.425 ± 0.039 χ^2/NDF : 31582.8/83

- sign -6.239 ± 0.055 χ^2/NDF : 16313.7/40

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -0.678 ± 0.050 $\chi^2/\text{NDF}: 57453.0/34$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -1.527 ± 0.053 $\chi^2/\text{NDF}: 64315.6/36$

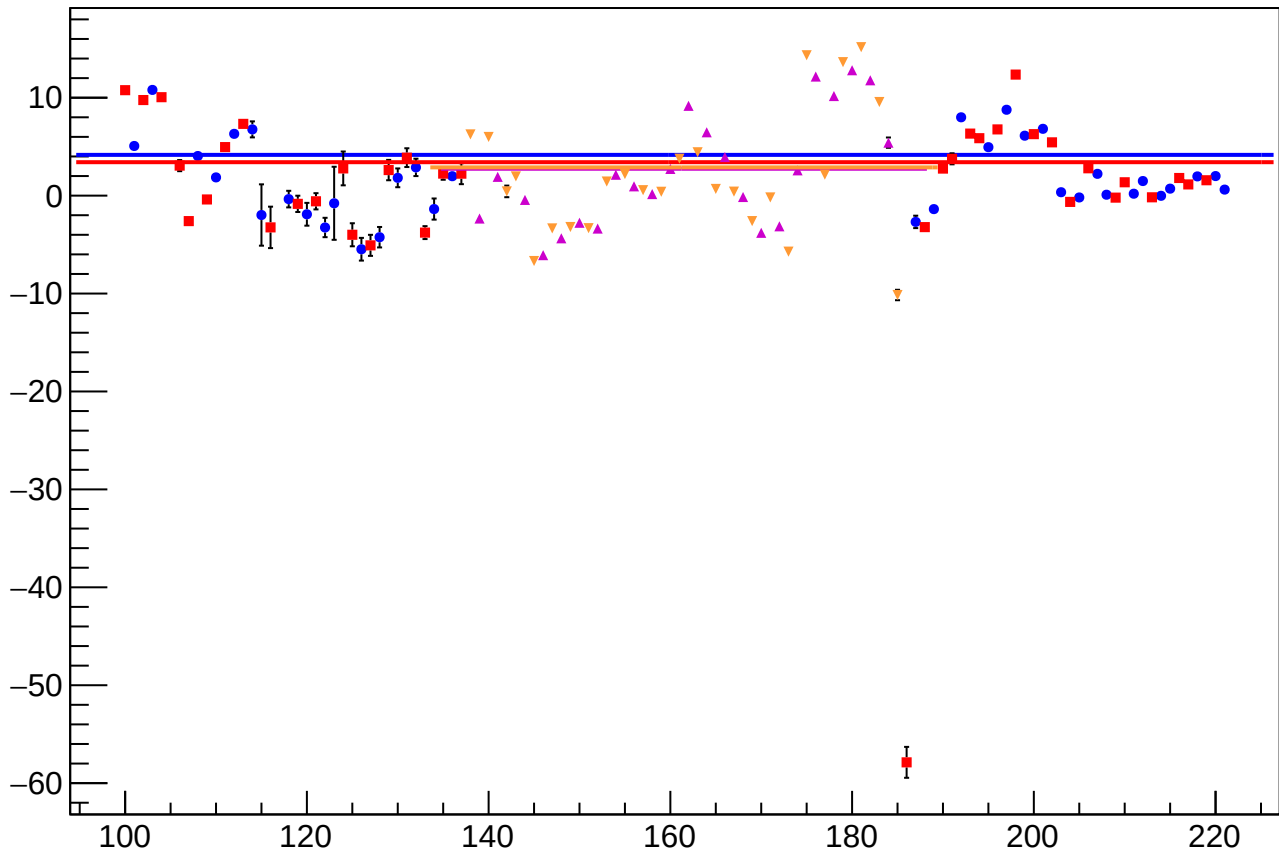
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign 0.333 ± 0.037 $\chi^2/\text{NDF}: 63181.4/59$

All: 0.155 ± 0.027 $\chi^2/\text{NDF}: 133276.2/119$

- sign -0.040 ± 0.039 $\chi^2/\text{NDF}: 70045.9/59$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 4.163 ± 0.062 χ^2/NDF : 3509.3/34

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.415 ± 0.061 χ^2/NDF : 8149.6/36

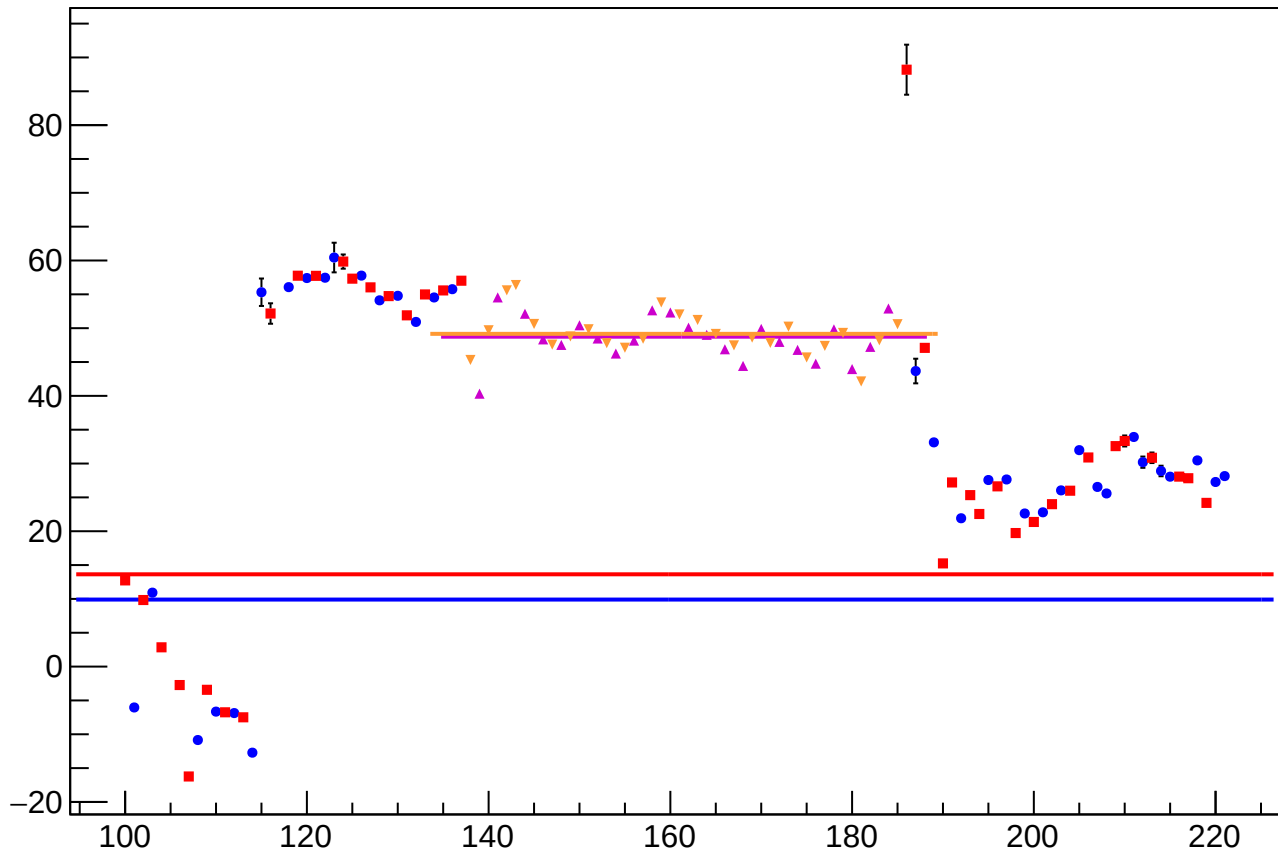
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.598 ± 0.047 χ^2/NDF : 12587.5/59

All: 3.364 ± 0.033 χ^2/NDF : 28021.1/119

- sign 3.132 ± 0.046 χ^2/NDF : 15383.4/59

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 9.903 $\pm$ 0.059 χ^2 /NDF: 139757.3/34

Left Out: 49.163 $\pm$ 0.062 χ^2 /NDF:2259.9/24

Right Out: 13.635 $\pm$ 0.063 χ^2 /NDF: 138810.7/36

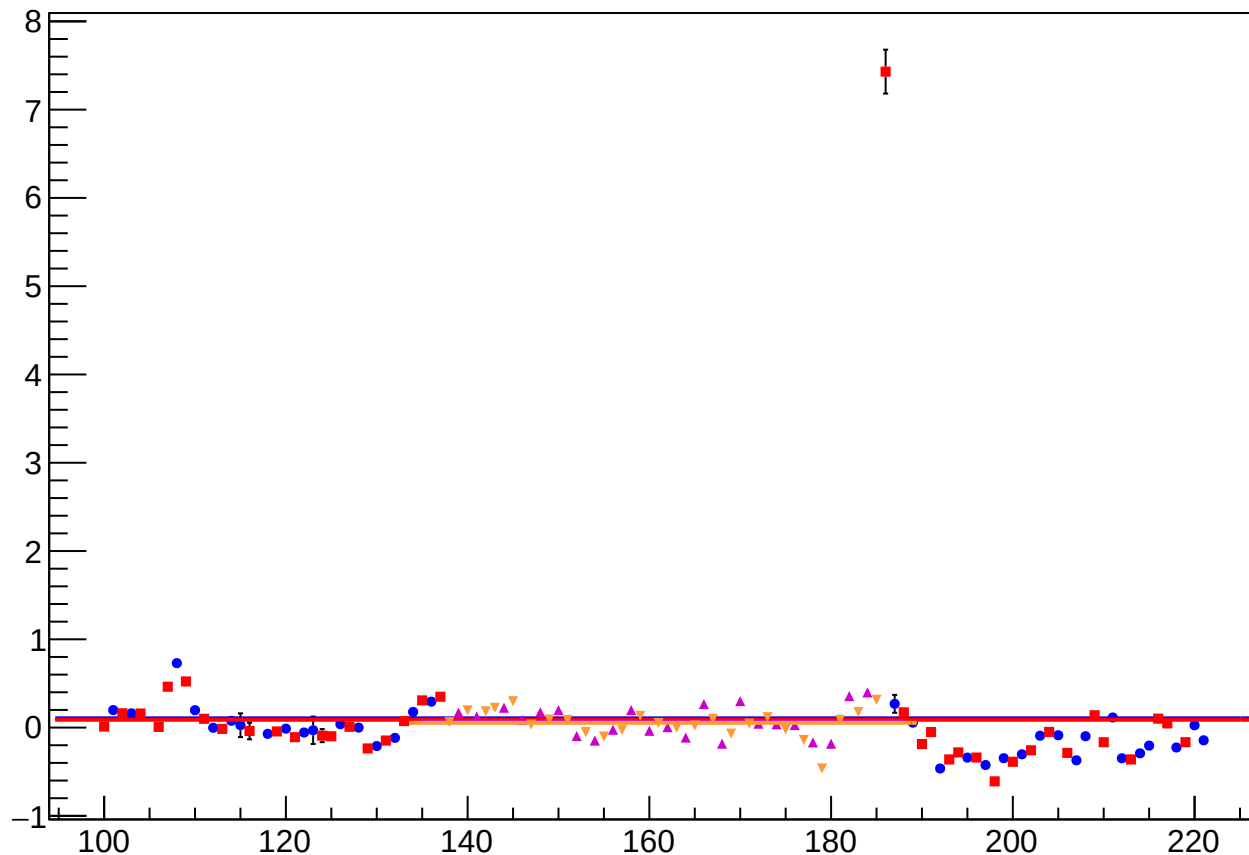
Left In: 48.744 $\pm$ 0.064 χ^2 /NDF:2097.7/22

+ sign 28.618 $\pm$ 0.043 χ^2 /NDF: 353615.8/59

All: 29.682 $\pm$ 0.031 χ^2 /NDF: 650342.3/119

- sign 30.849 $\pm$ 0.045 χ^2 /NDF: 295421.3/59

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.002 χ^2/NDF : 12056.6/34

Left Out: 0.054 ± 0.003 χ^2/NDF : 2379.8/24

Right Out: 0.089 ± 0.002 χ^2/NDF : 11152.9/36

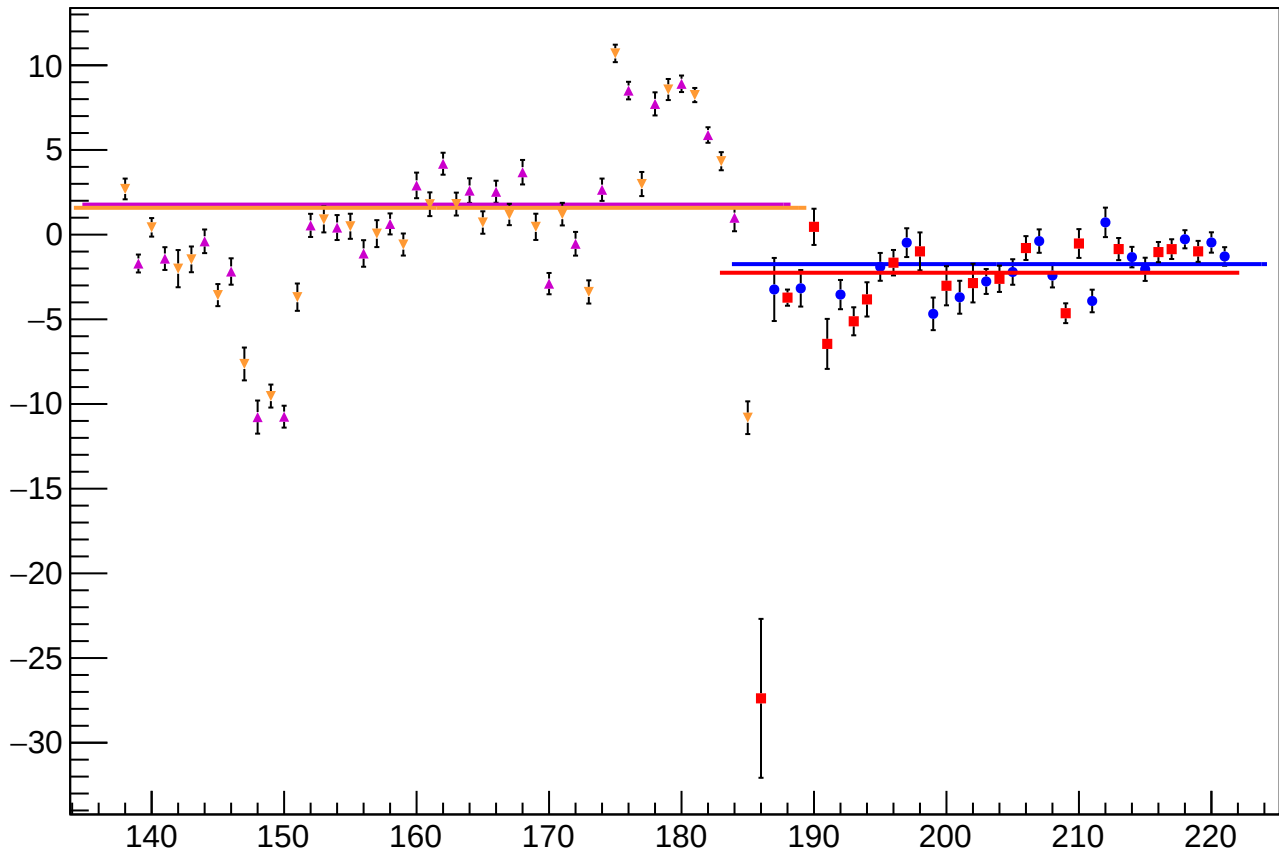
Left In: 0.070 ± 0.003 χ^2/NDF : 3233.8/22

+ sign 0.083 ± 0.002 χ^2/NDF : 14620.1/59

All: 0.082 ± 0.001 χ^2/NDF : 29031.9/119

- sign 0.081 ± 0.002 χ^2/NDF : 14411.4/59

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.741 ± 0.173 χ^2/NDF : 61.5/17

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -2.250 ± 0.180 χ^2/NDF : 113.8/17

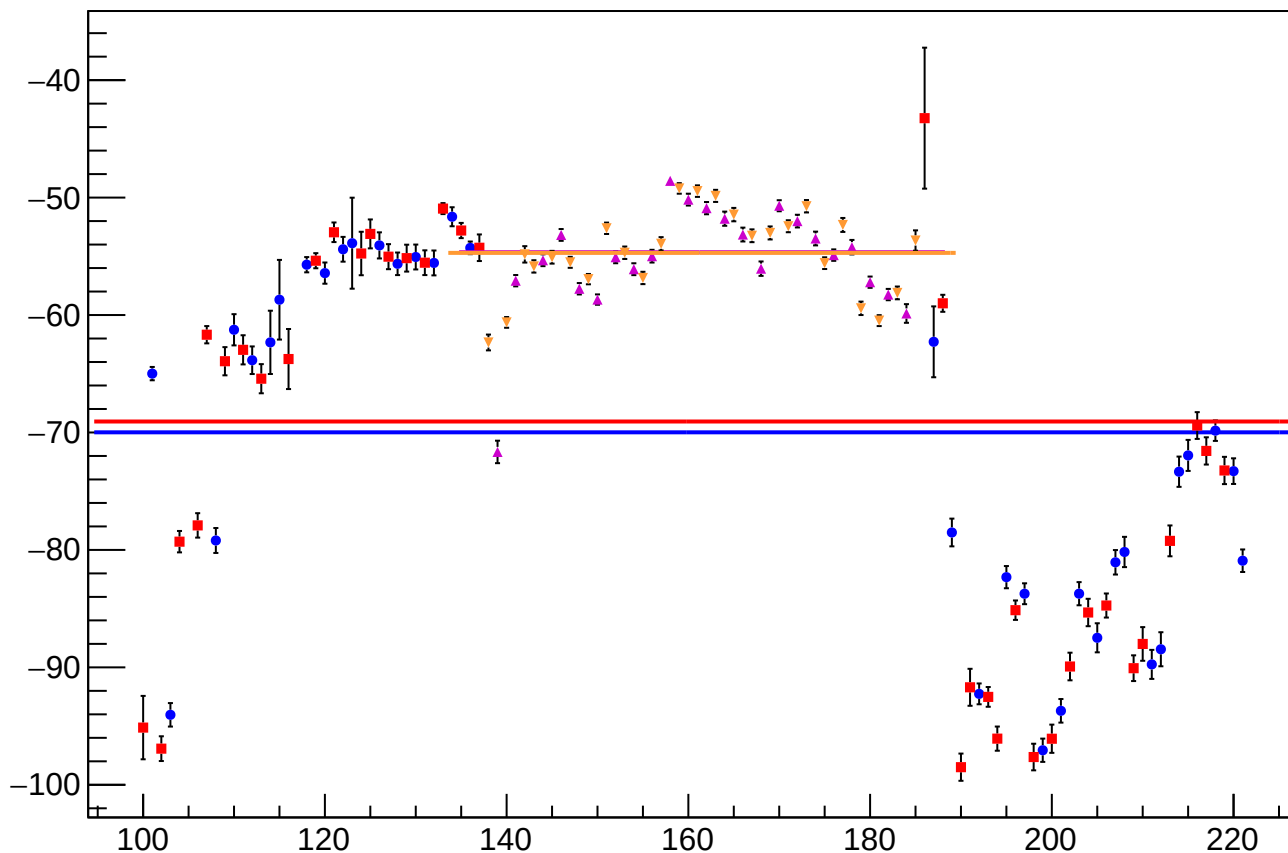
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.356 ± 0.105 χ^2/NDF : 1752.2/42

All: 0.337 ± 0.075 χ^2/NDF : 3483.9/83

- sign 0.318 ± 0.108 χ^2/NDF : 1731.6/40

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -69.987 ± 0.169 χ^2/NDF : 7480.7/34

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -69.066 ± 0.164 χ^2/NDF : 10393.1/36

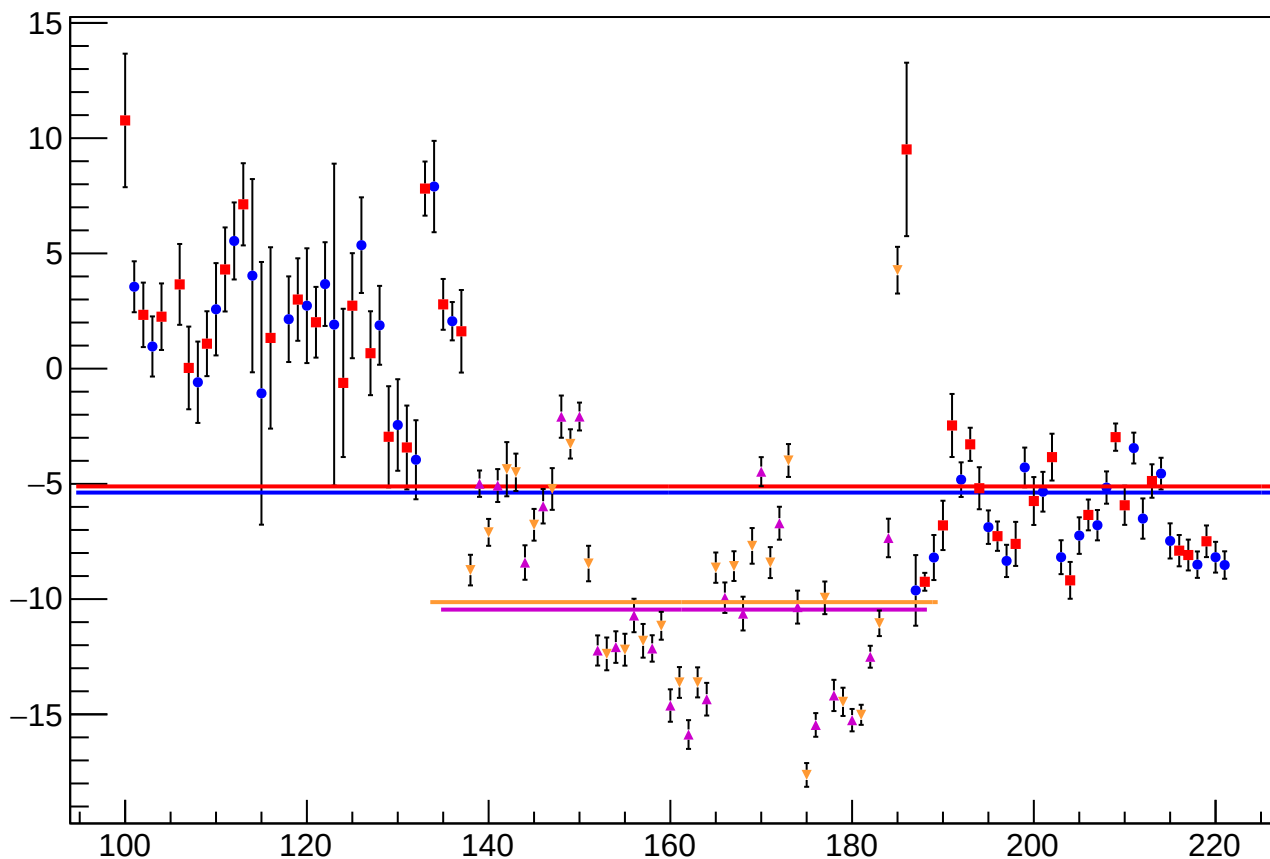
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -58.999 ± 0.090 χ^2/NDF : 14477.5/59

All: -59.053 ± 0.064 χ^2/NDF : 31281.9/119

- sign -59.109 ± 0.091 χ^2/NDF : 16803.7/59

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.378 ± 0.160 χ^2/NDF : 545.1/34

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -5.111 ± 0.158 χ^2/NDF : 722.0/36

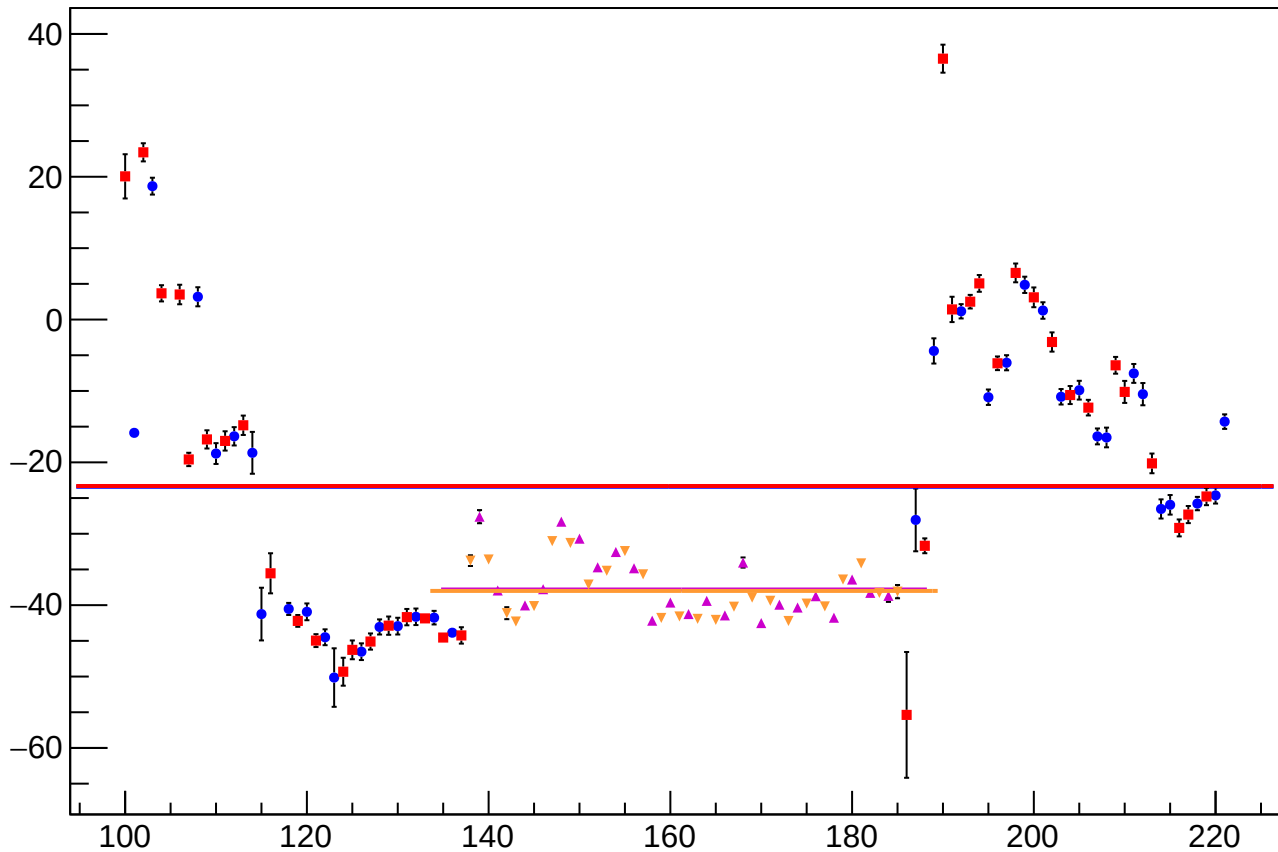
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.188 ± 0.102 χ^2/NDF : 2124.3/59

All: -8.201 ± 0.072 χ^2/NDF : 4509.7/119

- sign -8.215 ± 0.103 χ^2/NDF : 2385.3/59

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -23.417 ± 0.190 χ^2/NDF : 8757.8/34

Left Out: -38.006 ± 0.119 χ^2/NDF : 946.0/24

Right Out: -23.314 ± 0.189 χ^2/NDF : 11929.9/36

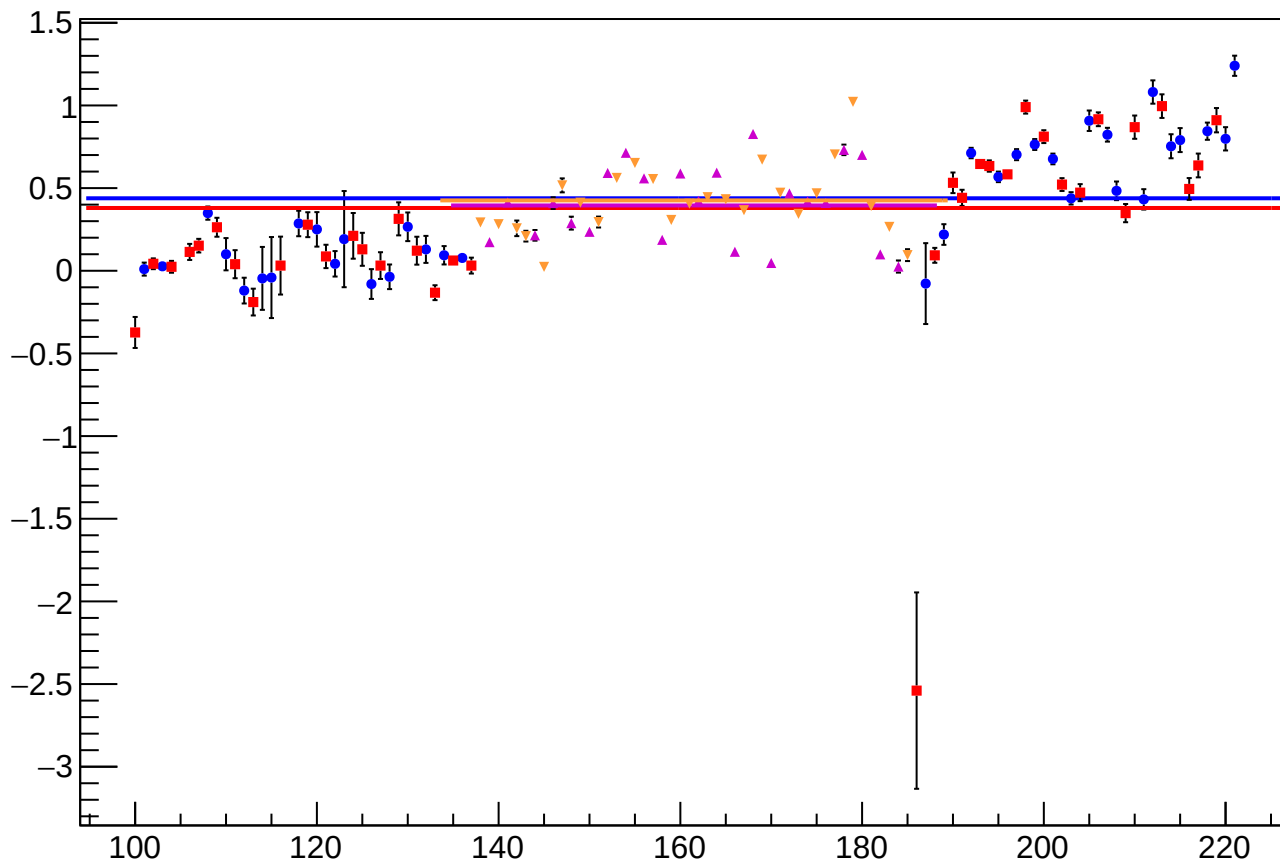
Left In: -37.809 ± 0.122 χ^2/NDF : 1039.9/22

+ sign -33.921 ± 0.101 χ^2/NDF : 13930.9/59

All: -33.727 ± 0.072 χ^2/NDF : 31060.2/119

- sign -33.525 ± 0.103 χ^2/NDF : 17121.7/59

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.438 $\pm$ 0.008 χ^2 /NDF: 1675.1/34

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

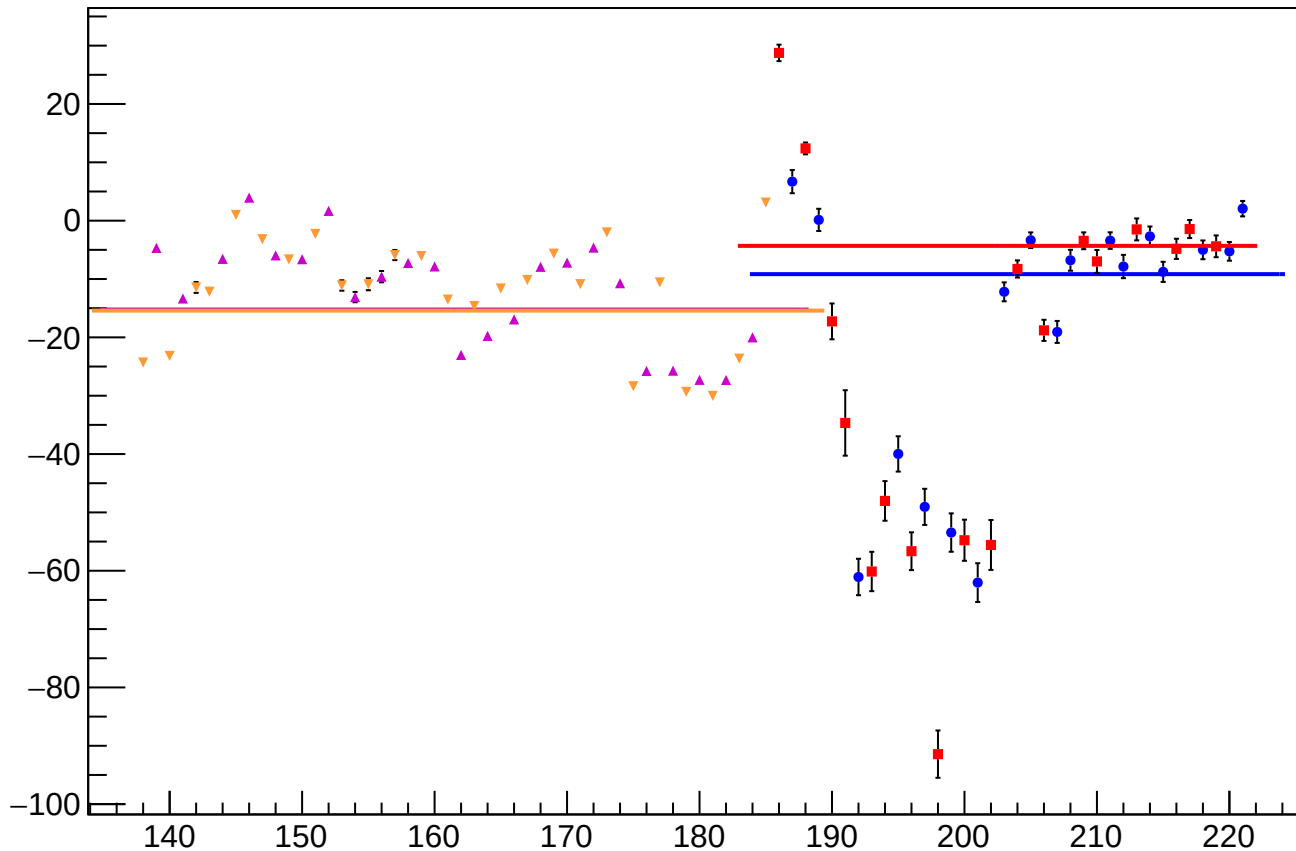
Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

+ sign 0.430 $\pm$ 0.005 χ^2 /NDF: 2980.4/59

All: 0.410 $\pm$ 0.003 χ^2 /NDF: 6595.4/119

- sign 0.390 $\pm$ 0.005 χ^2 /NDF: 3576.9/59

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -9.165 ± 0.433 $\chi^2/\text{NDF}: 1235.8/17$

Left Out: -15.413 ± 0.105 $\chi^2/\text{NDF}: 10509.1/24$

Right Out: -4.317 ± 0.451 $\chi^2/\text{NDF}: 2460.5/17$

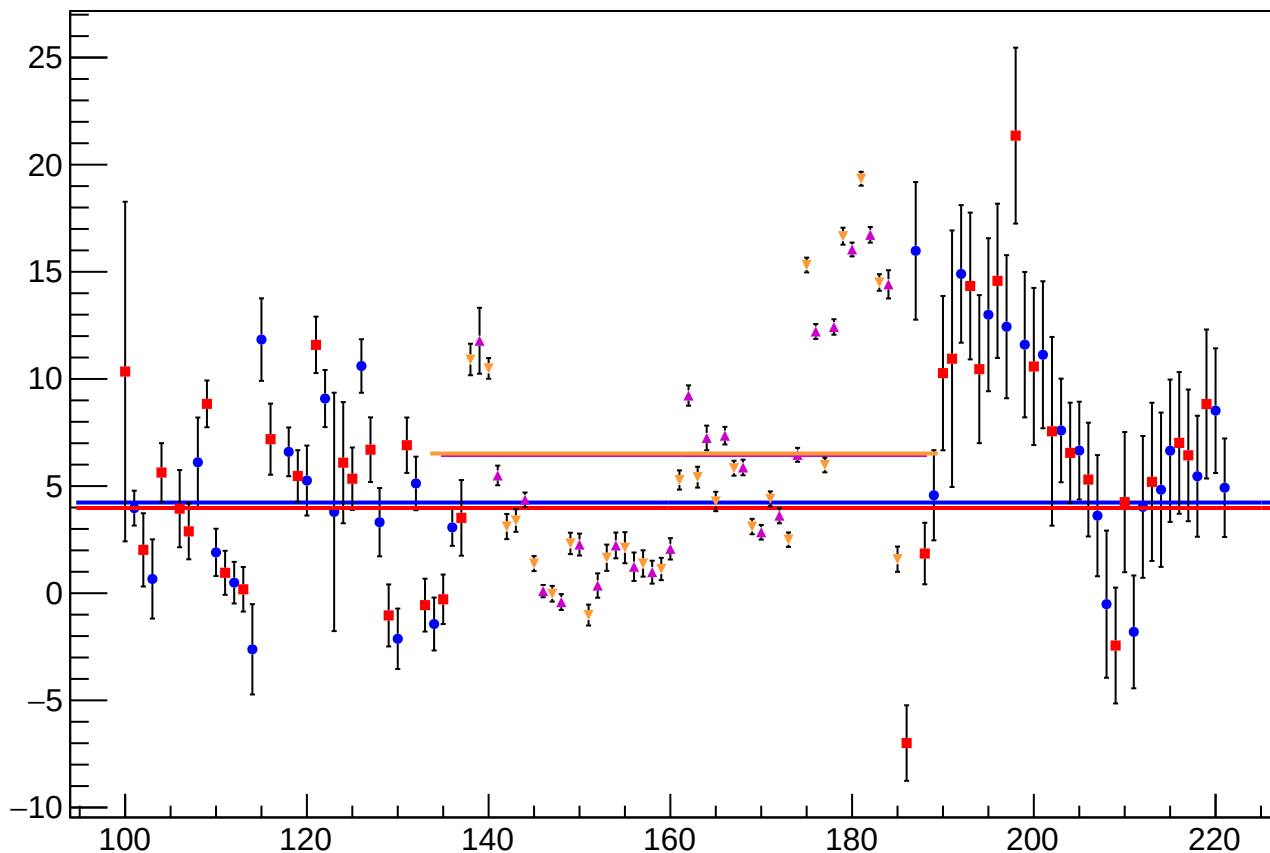
Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.064 ± 0.102 $\chi^2/\text{NDF}: 11941.7/42$

All: -14.861 ± 0.073 $\chi^2/\text{NDF}: 23621.7/83$

- sign -14.651 ± 0.104 $\chi^2/\text{NDF}: 11672.0/40$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.232 ± 0.283 χ^2/NDF : 196.8/34

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.978 ± 0.286 χ^2/NDF : 232.9/36

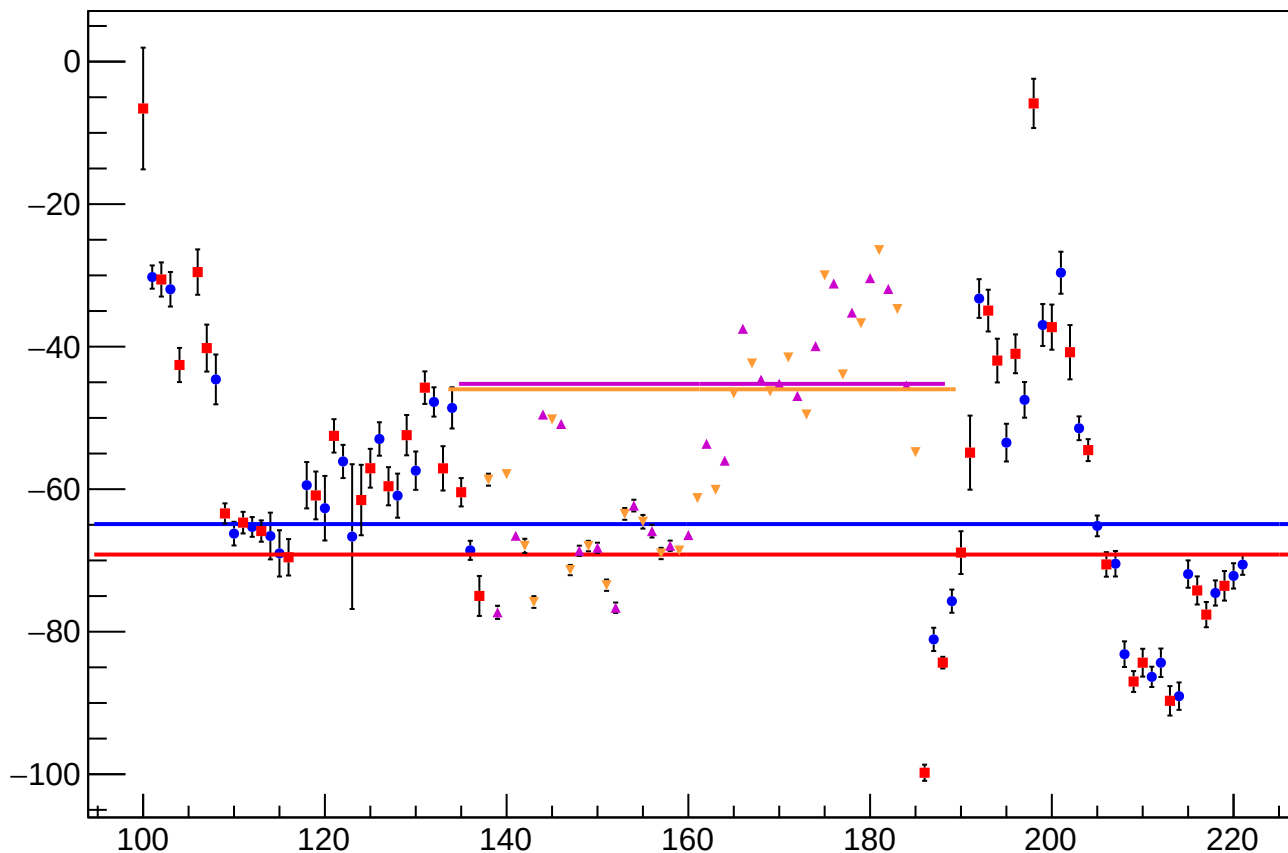
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.330 ± 0.082 χ^2/NDF : 5242.0/59

All: 6.288 ± 0.058 χ^2/NDF : 9492.1/119

- sign 6.246 ± 0.082 χ^2/NDF : 4249.6/59

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -64.899 ± 0.340 $\chi^2/\text{NDF}: 2145.3/34$

Left Out: -45.982 ± 0.106 $\chi^2/\text{NDF}: 17360.1/24$

Right Out: -69.174 ± 0.333 $\chi^2/\text{NDF}: 3298.7/36$

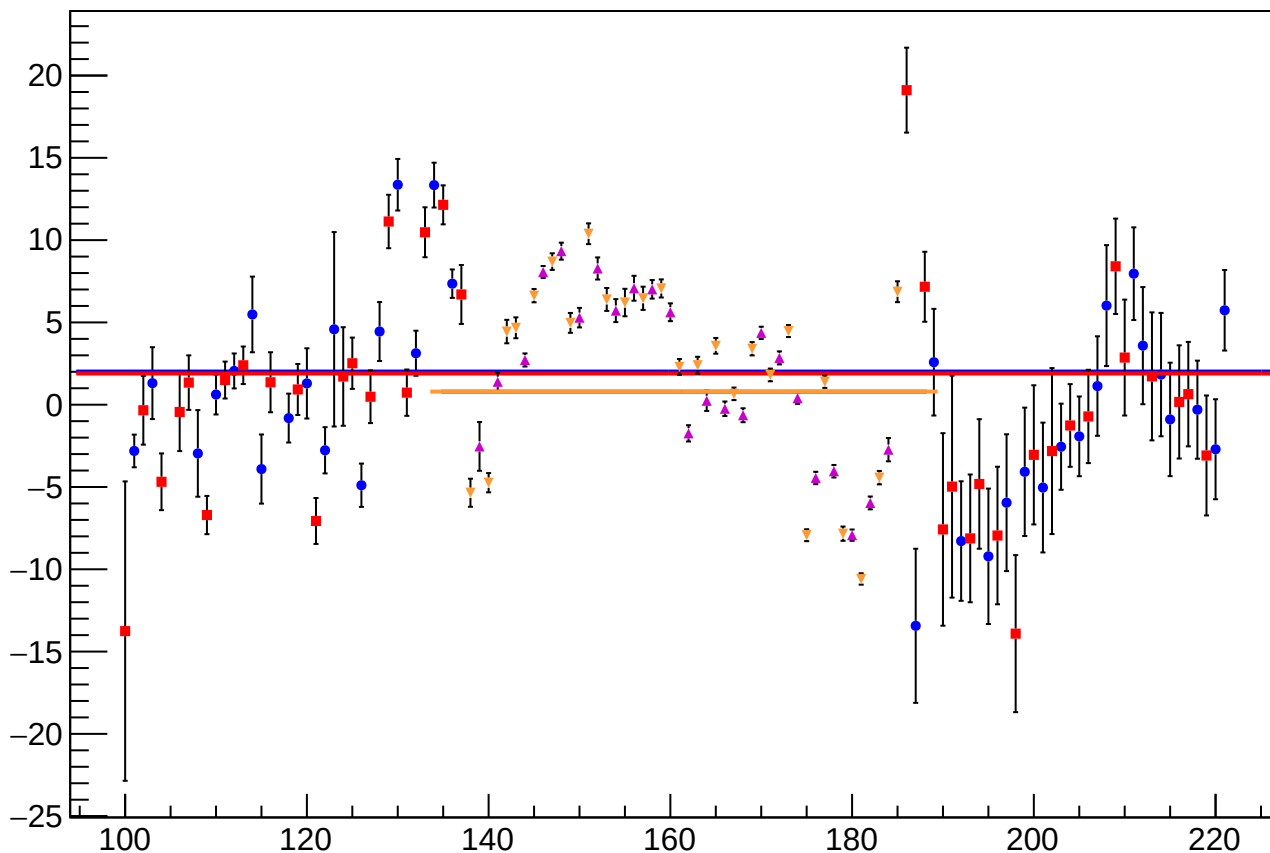
Left In: -45.222 ± 0.107 $\chi^2/\text{NDF}: 15600.2/22$

+ sign -47.667 ± 0.101 $\chi^2/\text{NDF}: 22328.4/59$

All: -47.572 ± 0.072 $\chi^2/\text{NDF}: 45927.1/119$

- sign -47.476 ± 0.102 $\chi^2/\text{NDF}: 23597.0/59$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.015 ± 0.317 χ^2/NDF : 297.6/34

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 1.896 ± 0.325 χ^2/NDF : 357.1/36

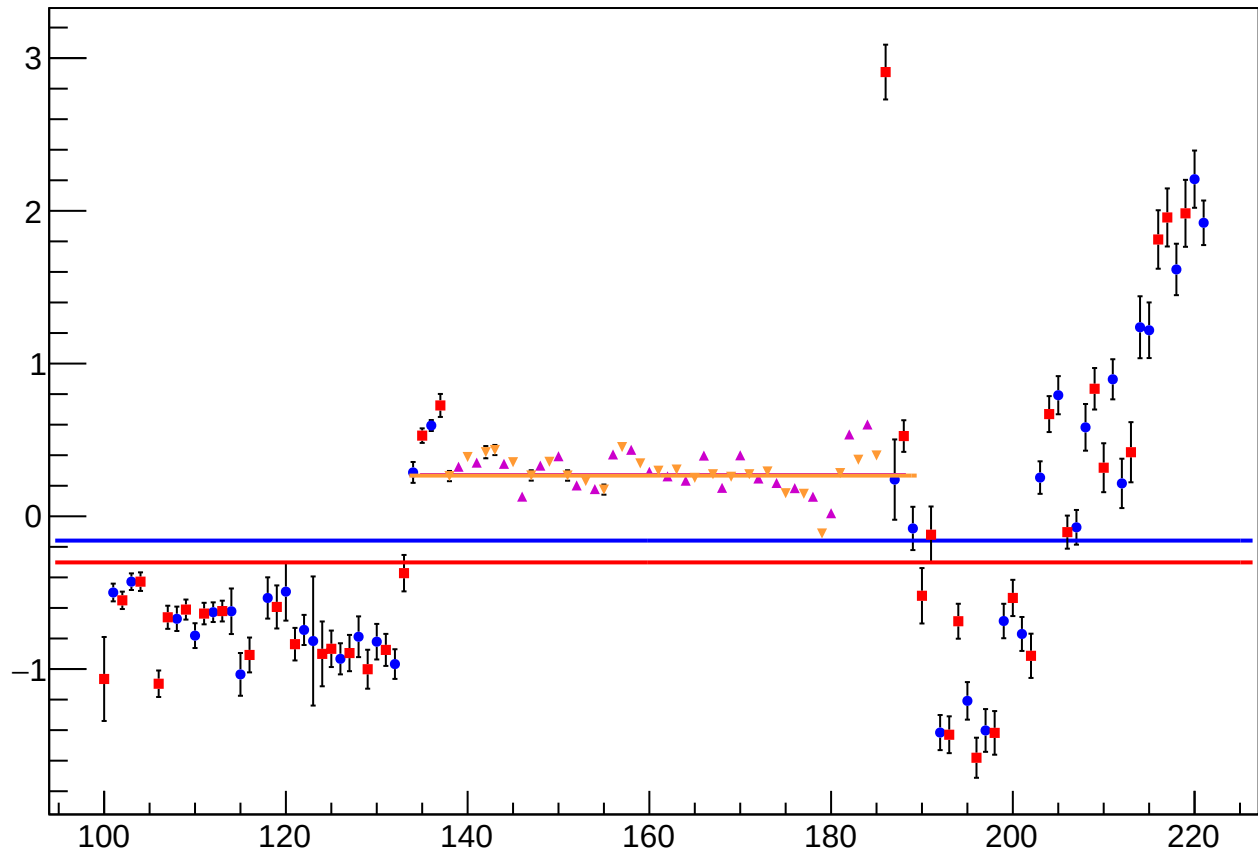
Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

+ sign 0.899 ± 0.091 χ^2/NDF : 4071.2/59

All: 0.890 ± 0.065 χ^2/NDF : 7131.3/119

- sign 0.882 ± 0.093 χ^2/NDF : 3060.2/59

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.159 ± 0.016 $\chi^2/\text{NDF}: 2044.4/34$

Left Out: 0.267 ± 0.004 $\chi^2/\text{NDF}: 699.8/24$

Right Out: -0.302 ± 0.016 $\chi^2/\text{NDF}: 2072.5/36$

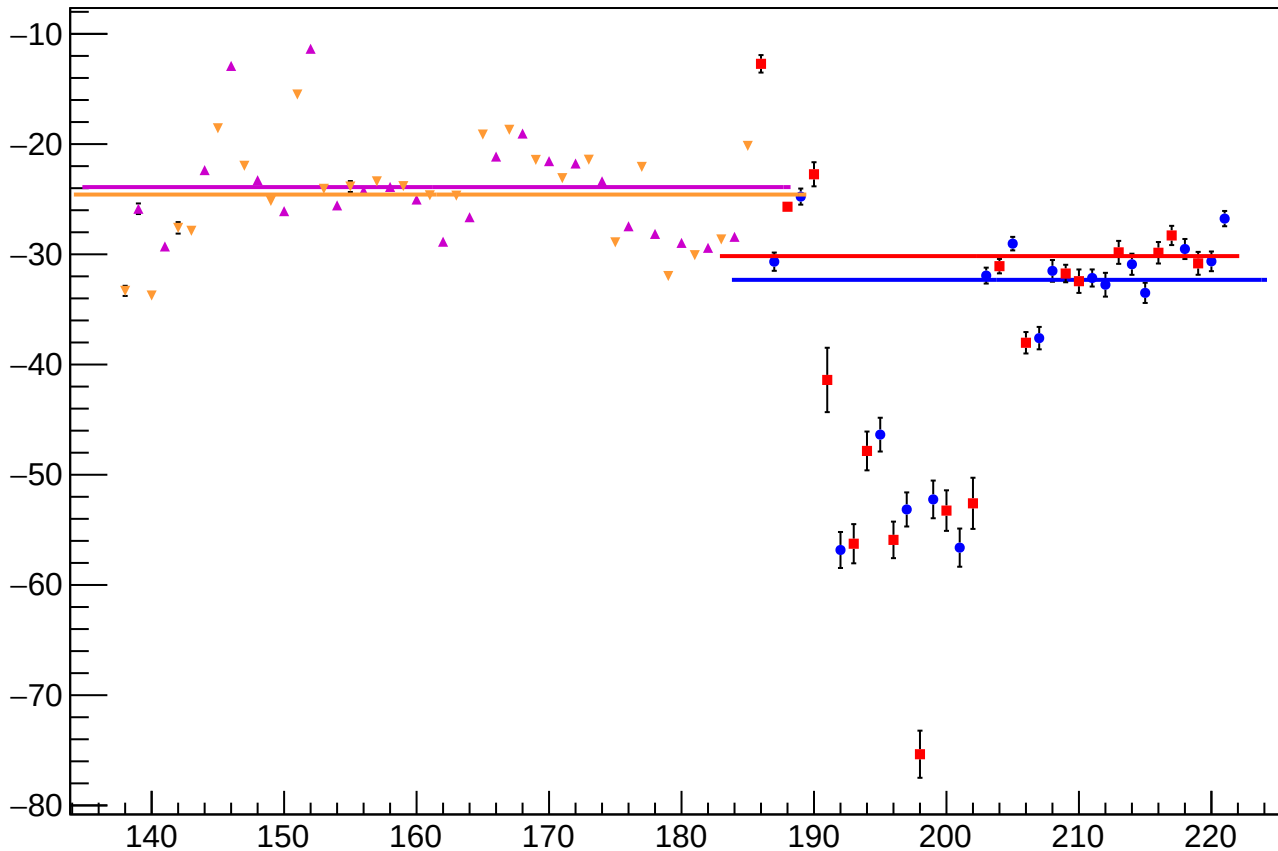
Left In: 0.270 ± 0.004 $\chi^2/\text{NDF}: 969.9/22$

+ sign 0.238 ± 0.004 $\chi^2/\text{NDF}: 3377.1/59$

All: 0.235 ± 0.003 $\chi^2/\text{NDF}: 7543.5/119$

- sign 0.232 ± 0.004 $\chi^2/\text{NDF}: 4165.2/59$

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -32.316 ± 0.218 χ^2/NDF : 1071.8/17

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -30.162 ± 0.225 χ^2/NDF : 1988.6/17

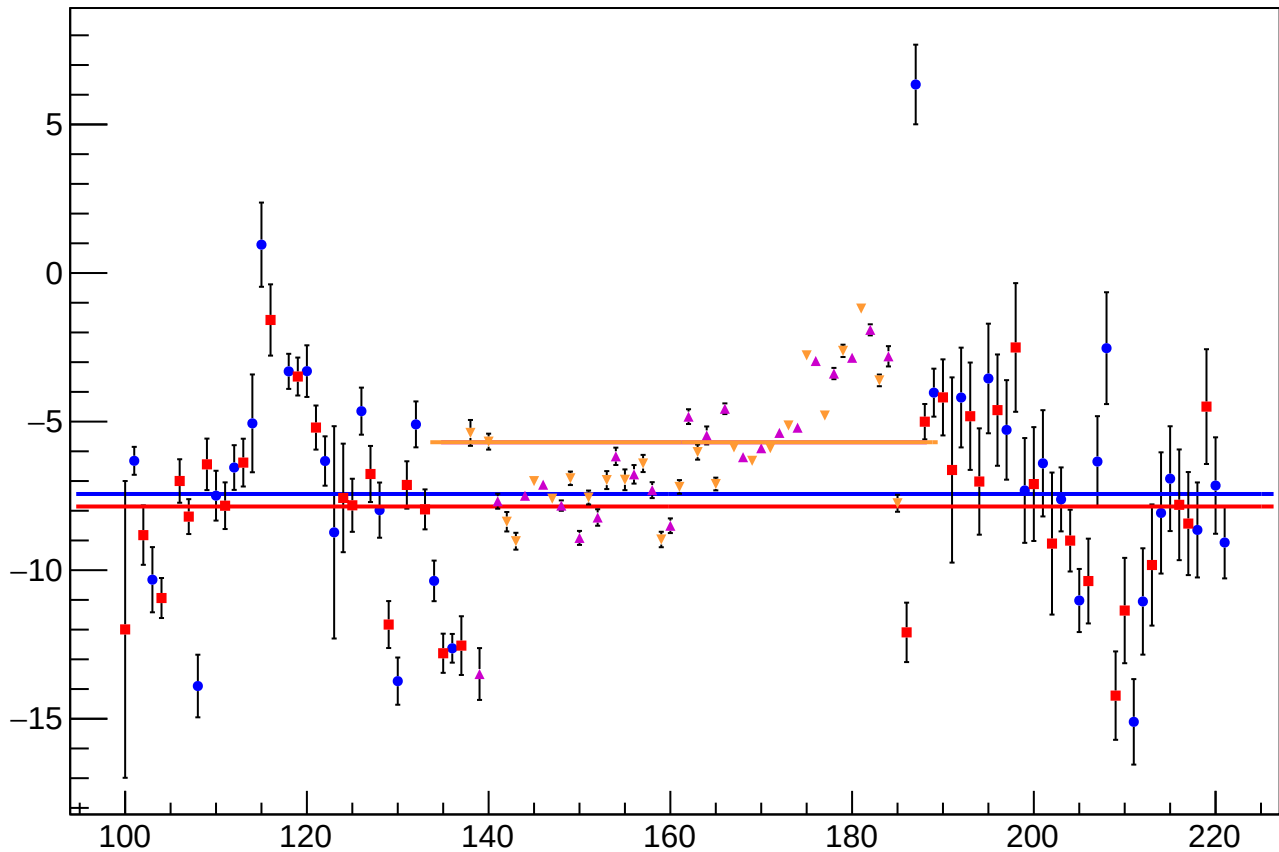
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.980 ± 0.050 χ^2/NDF : 10862.3/42

All: -24.595 ± 0.035 χ^2/NDF : 22861.4/83

- sign -24.207 ± 0.050 χ^2/NDF : 11878.4/40

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.436 ± 0.163 χ^2/NDF : 568.3/34

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.857 ± 0.162 χ^2/NDF : 316.1/36

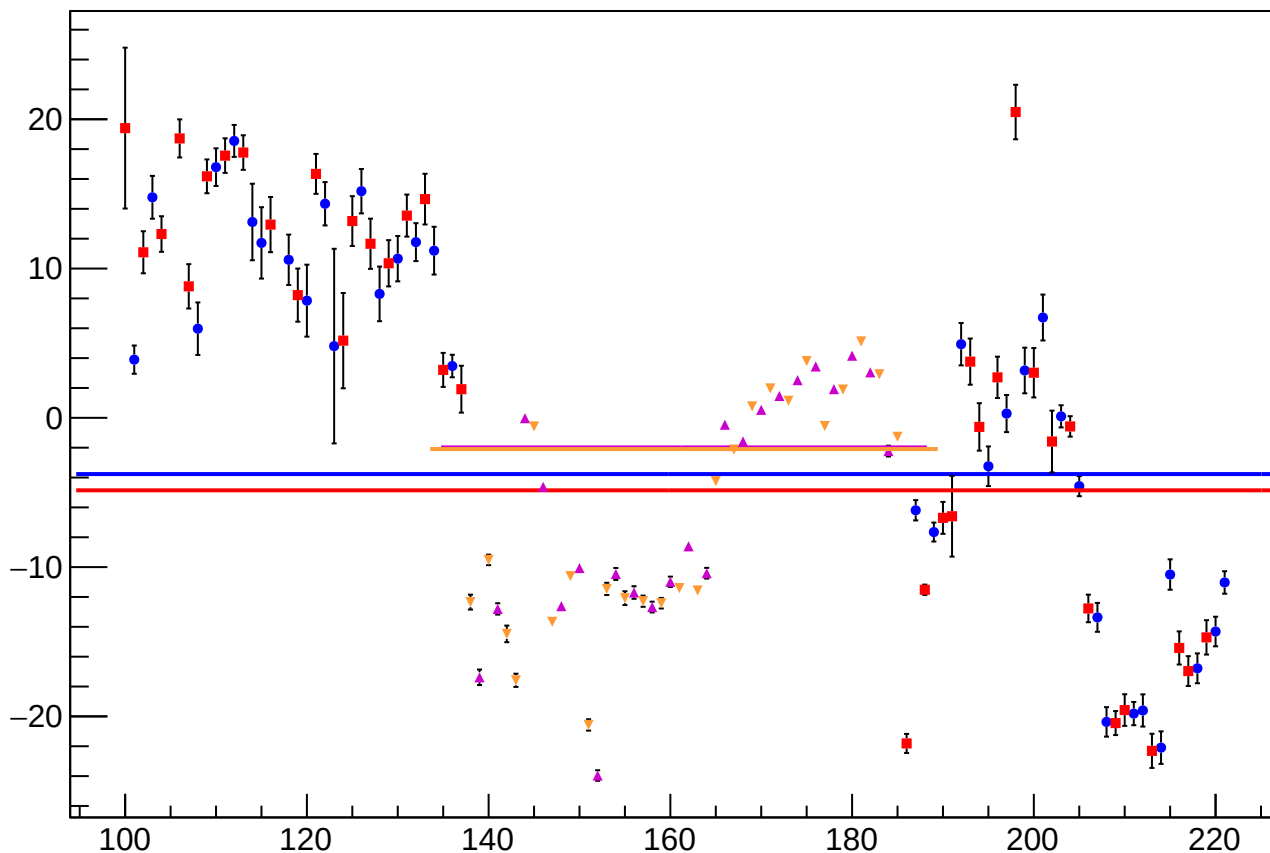
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.798 ± 0.040 χ^2/NDF : 2933.5/59

All: -5.812 ± 0.028 χ^2/NDF : 5727.7/119

- sign -5.826 ± 0.040 χ^2/NDF : 2793.9/59

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -3.768+/-0.182 χ^2 /NDF: 3844.2/34

Left Out: -2.092+/-0.051 χ^2 /NDF:16305.3/24

Right Out: -4.857+/-0.176 χ^2 /NDF: 5566.8/36

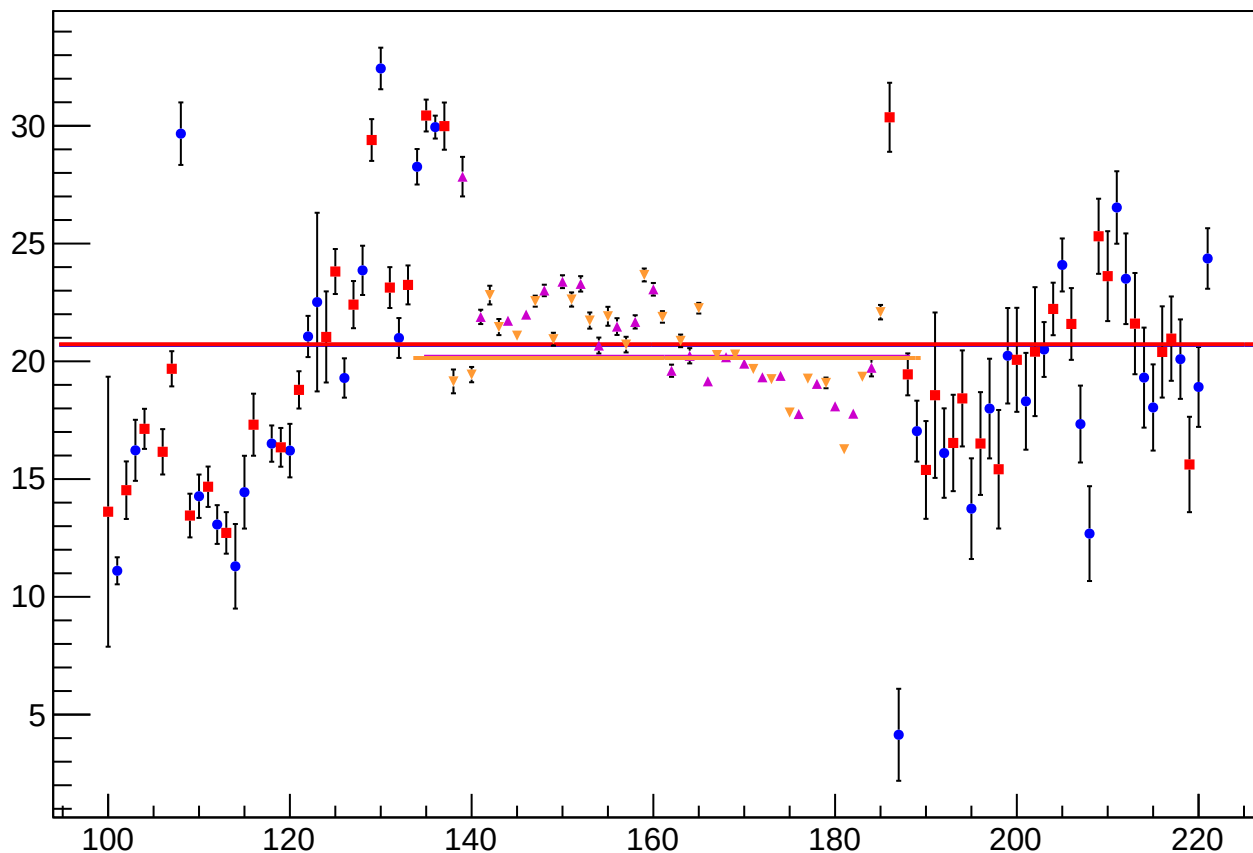
Left In: -1.980+/-0.051 χ^2 /NDF:15382.3/22

+ sign -2.216+/-0.049 χ^2 /NDF: 20227.9/59

All: -2.210+/-0.035 χ^2 /NDF: 41422.2/119

- sign -2.204+/-0.049 χ^2 /NDF: 21194.3/59

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.697 $\pm$ 0.185 χ^2 /NDF: 1369.0/34

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

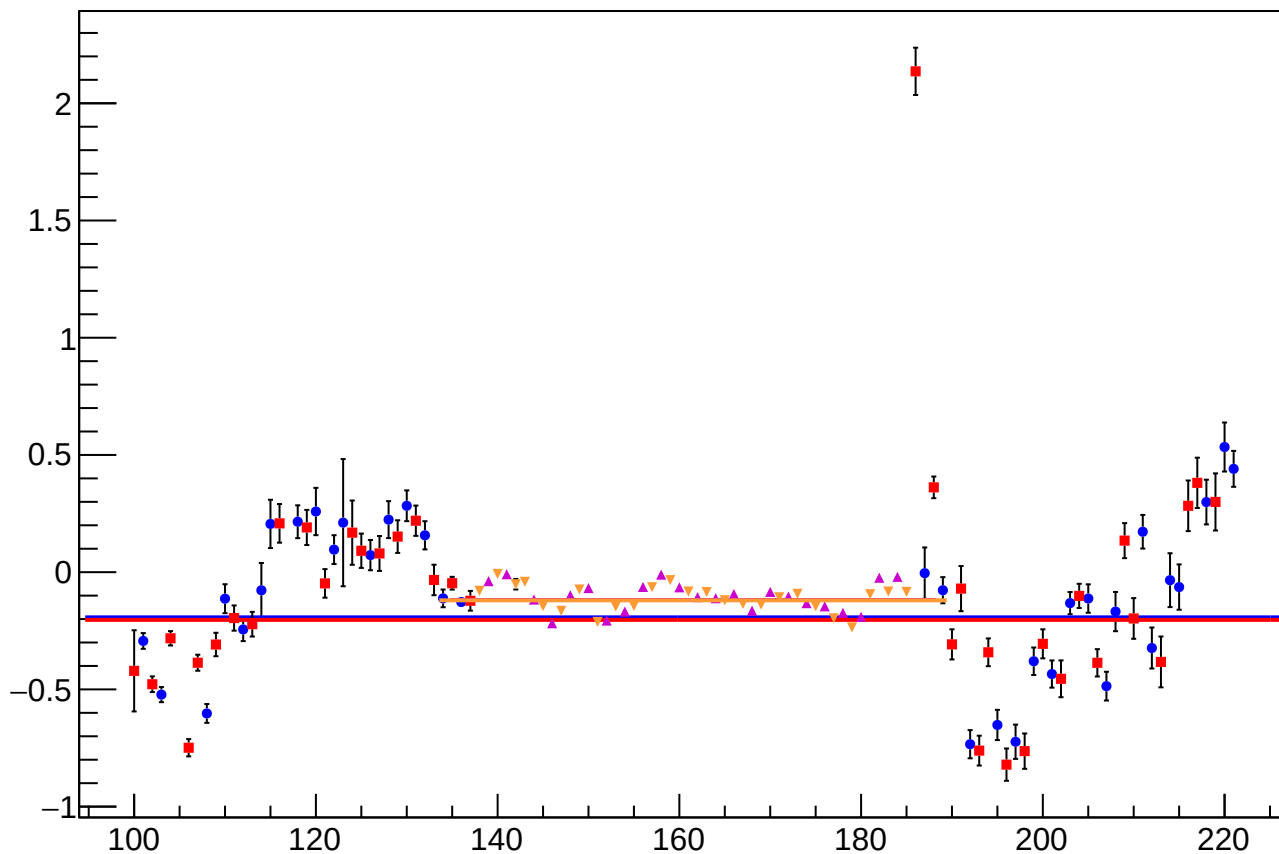
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.173 $\pm$ 0.045 χ^2 /NDF: 2796.6/59

All: 20.198 $\pm$ 0.032 χ^2 /NDF: 5059.1/119

- sign 20.224 $\pm$ 0.045 χ^2 /NDF: 2261.9/59

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.193 ± 0.009 $\chi^2/\text{NDF}: 881.8/34$

Left Out: -0.120 ± 0.002 $\chi^2/\text{NDF}: 530.4/24$

Right Out: -0.203 ± 0.009 $\chi^2/\text{NDF}: 1563.1/36$

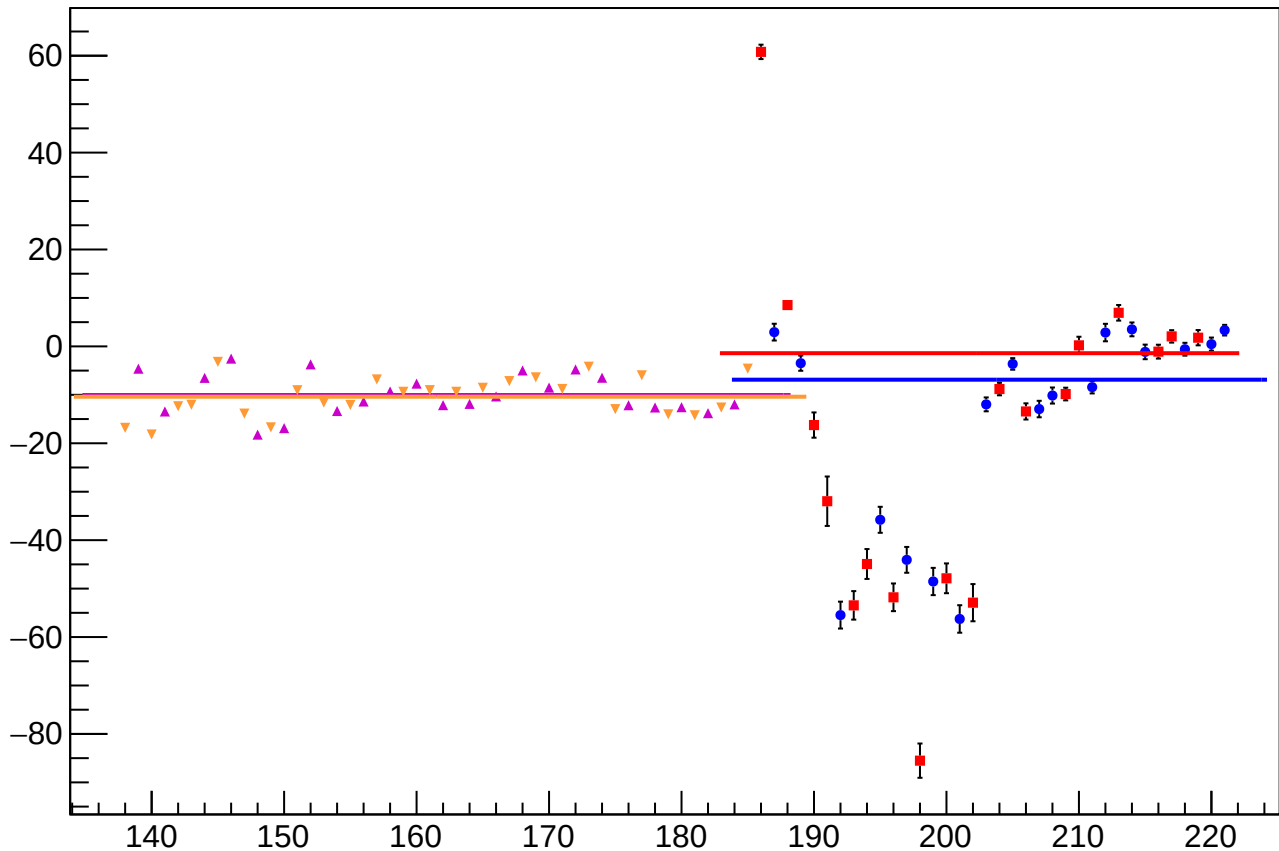
Left In: -0.119 ± 0.002 $\chi^2/\text{NDF}: 721.8/22$

+ sign -0.124 ± 0.002 $\chi^2/\text{NDF}: 1470.8/59$

All: -0.123 ± 0.001 $\chi^2/\text{NDF}: 3836.8/119$

- sign -0.123 ± 0.002 $\chi^2/\text{NDF}: 2365.9/59$

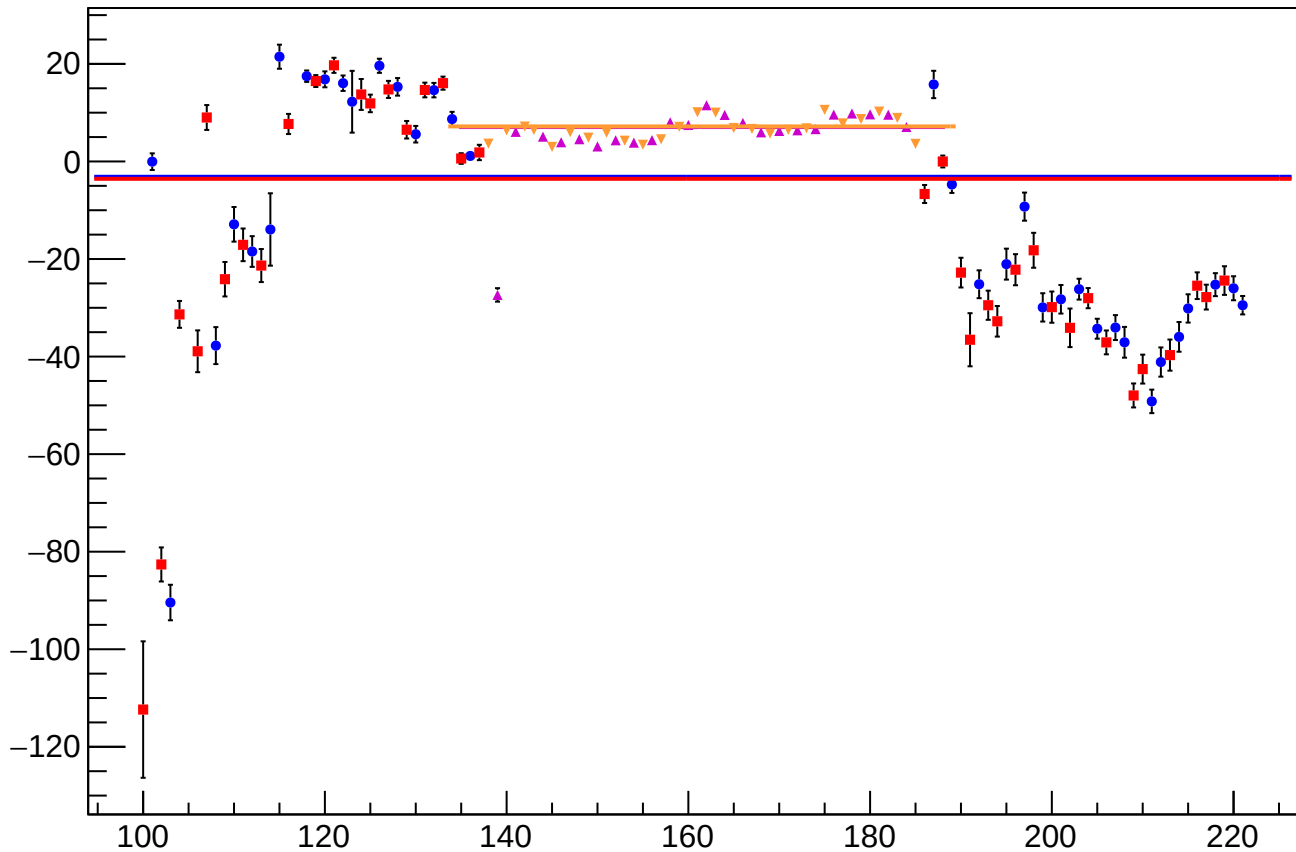
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -6.876 ± 0.376 $\chi^2/\text{NDF}: 1448.9/17$
 Left Out: -10.391 ± 0.088 $\chi^2/\text{NDF}: 2111.6/24$
 Right Out: -1.405 ± 0.398 $\chi^2/\text{NDF}: 3914.2/17$
 Left In: -10.036 ± 0.090 $\chi^2/\text{NDF}: 1758.7/22$

+ sign -10.209 ± 0.086 $\chi^2/\text{NDF}: 3643.2/42$
 All: -9.920 ± 0.061 $\chi^2/\text{NDF}: 9787.9/83$
 - sign -9.619 ± 0.087 $\chi^2/\text{NDF}: 6121.4/40$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -3.143 ± 0.335 $\chi^2/\text{NDF}: 4031.9/34$

Left Out: 7.184 ± 0.073 $\chi^2/\text{NDF}: 917.3/24$

Right Out: -3.557 ± 0.351 $\chi^2/\text{NDF}: 3591.1/36$

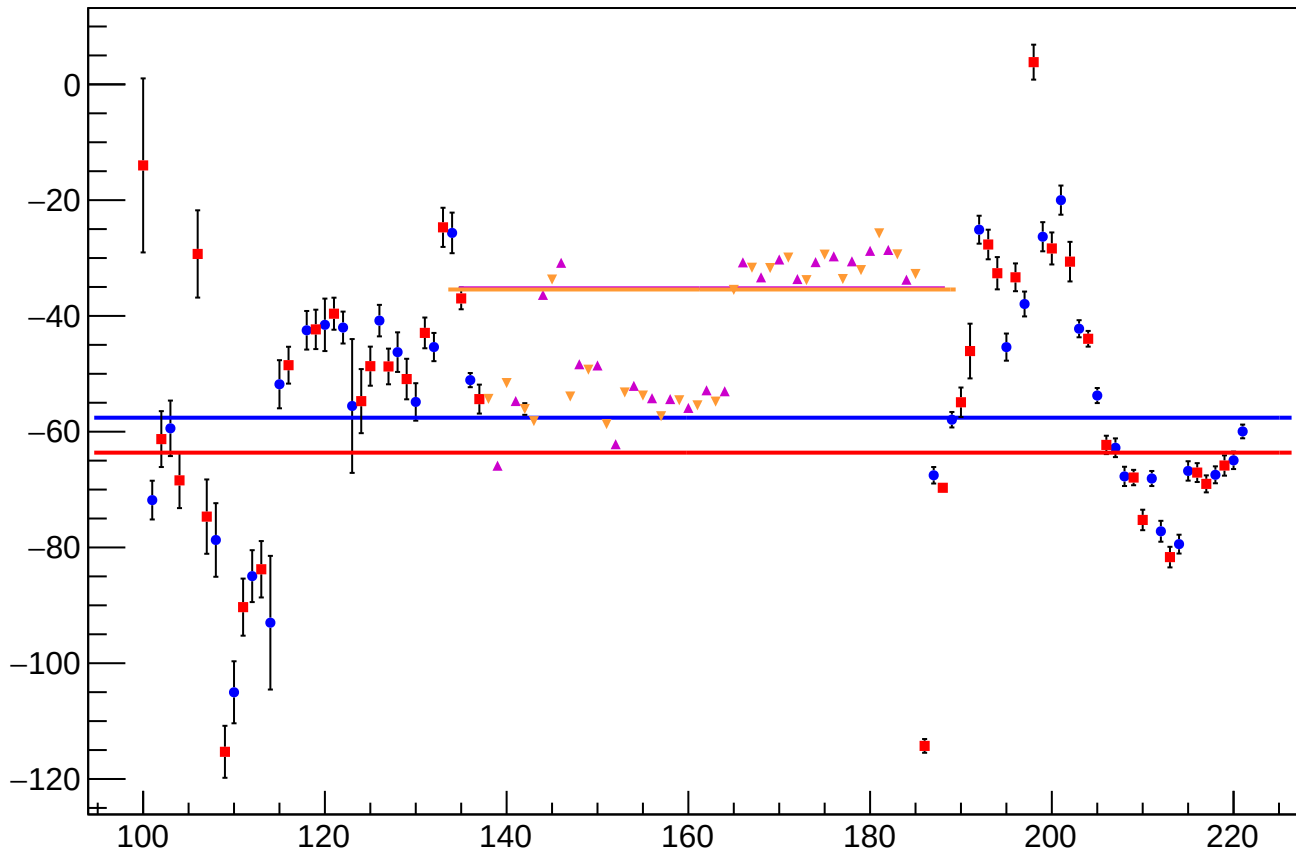
Left In: 7.053 ± 0.074 $\chi^2/\text{NDF}: 1535.8/22$

+ sign 6.710 ± 0.072 $\chi^2/\text{NDF}: 5856.7/59$

All: 6.655 ± 0.051 $\chi^2/\text{NDF}: 11860.9/119$

- sign 6.598 ± 0.073 $\chi^2/\text{NDF}: 6002.9/59$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -57.584 ± 0.337 χ^2/NDF : 1756.3/34

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -63.622 ± 0.340 χ^2/NDF : 4362.3/36

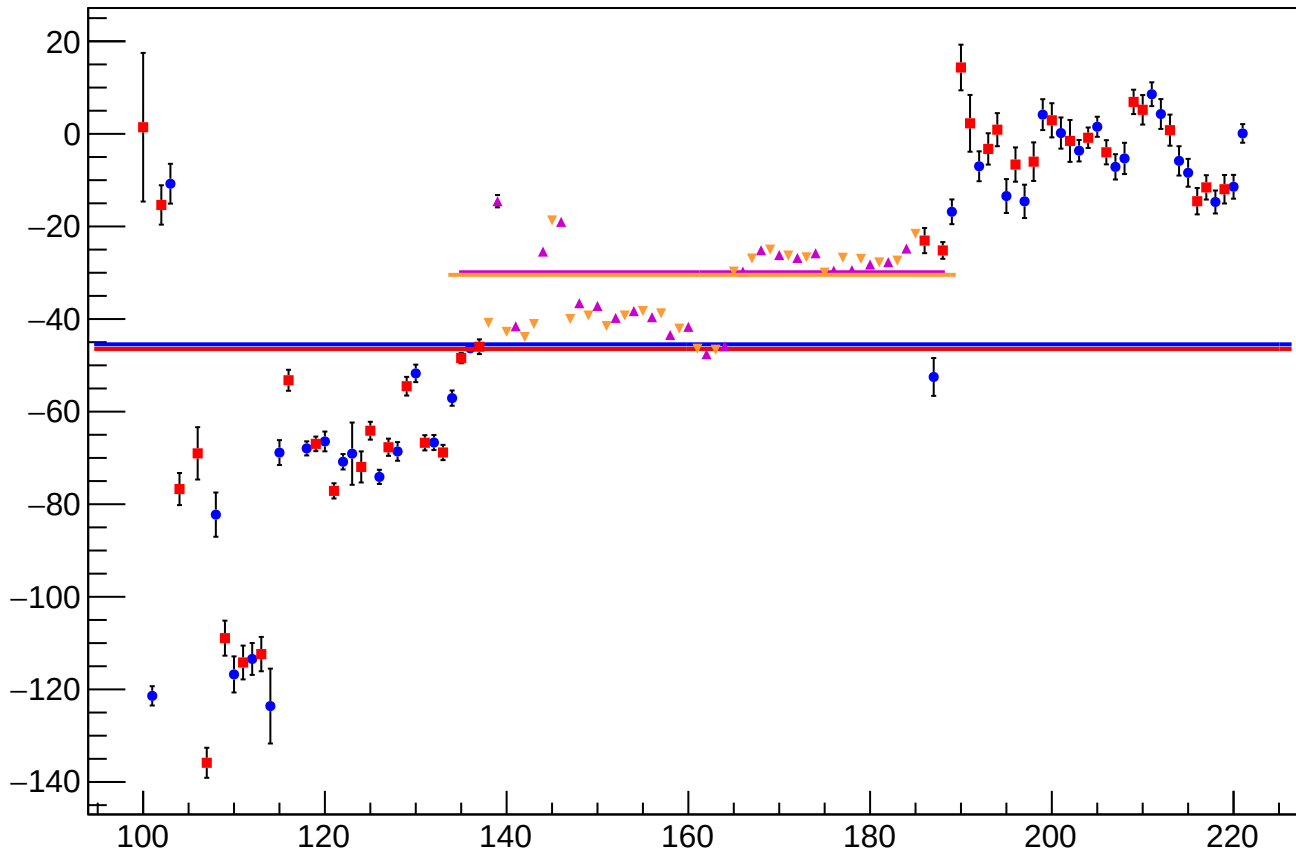
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -36.878 ± 0.086 χ^2/NDF : 18575.0/59

All: -36.983 ± 0.061 χ^2/NDF : 41054.9/119

- sign -37.091 ± 0.087 χ^2/NDF : 22476.9/59

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -45.462 ± 0.372 χ^2/NDF : 7397.3/34

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -46.465 ± 0.400 χ^2/NDF : 6241.9/36

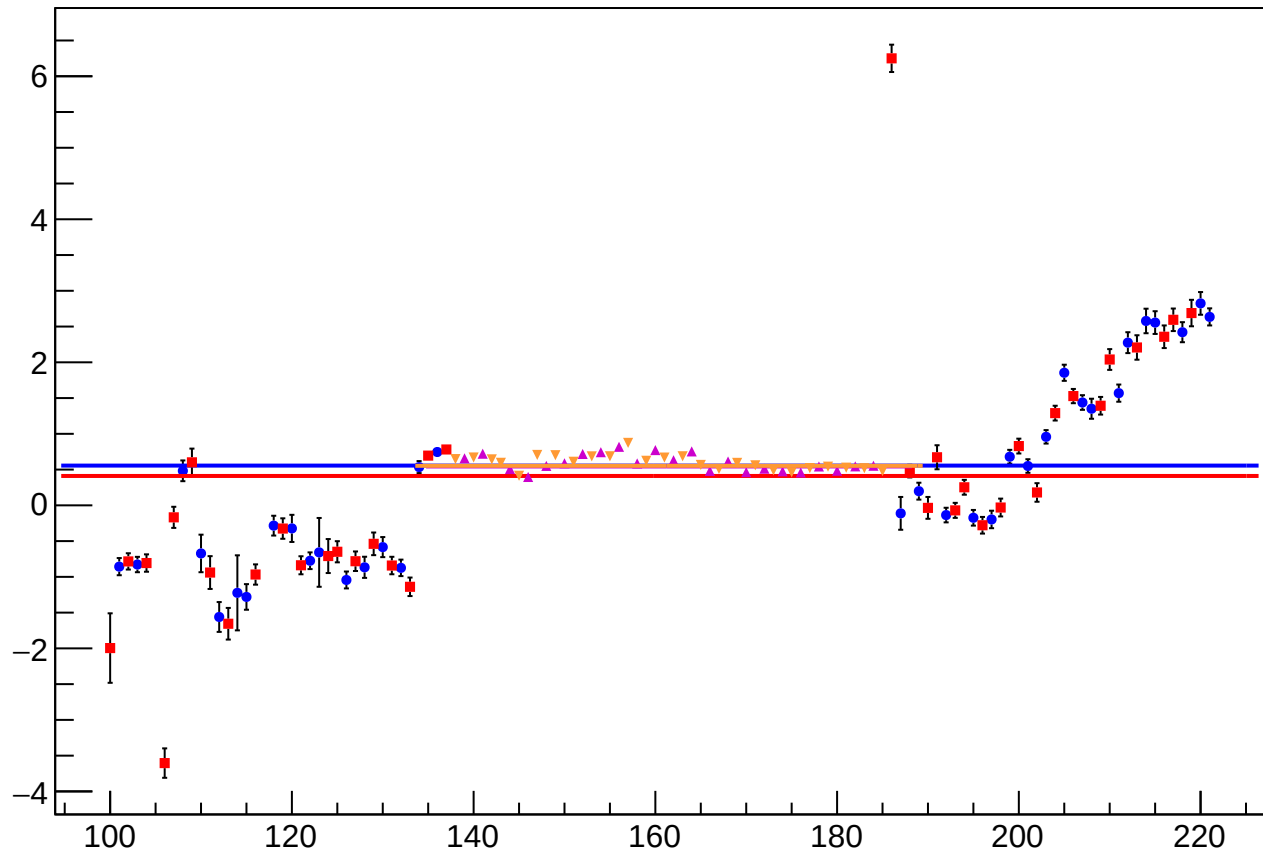
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.135 ± 0.080 χ^2/NDF : 17118.1/59

All: -30.857 ± 0.057 χ^2/NDF : 32147.9/119

- sign -30.570 ± 0.081 χ^2/NDF : 15005.0/59

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.556 $\pm$ 0.018 χ^2 /NDF: 2863.7/34

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.1/24

Right Out: 0.411 $\pm$ 0.020 χ^2 /NDF: 3504.3/36

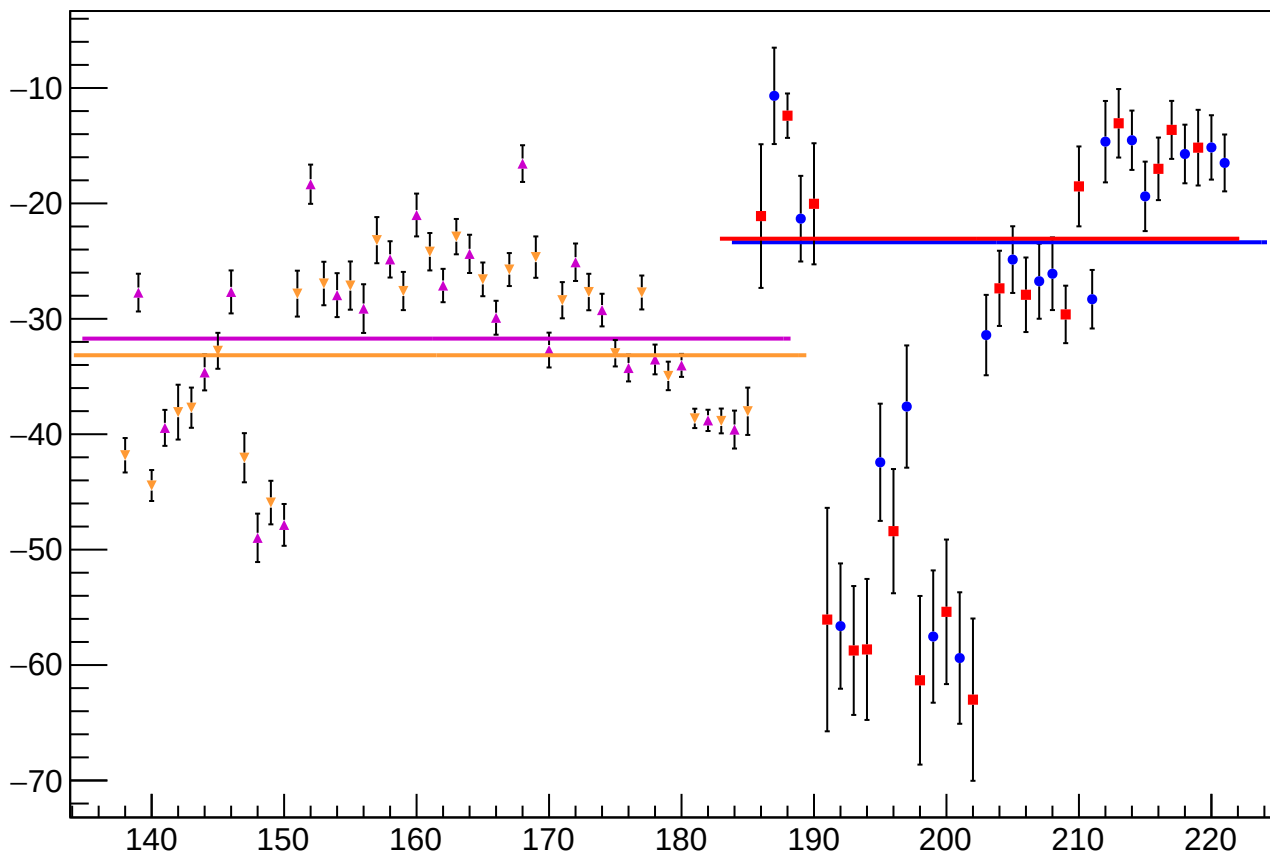
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF:655.9/22

+ sign 0.553 $\pm$ 0.004 χ^2 /NDF: 3405.8/59

All: 0.546 $\pm$ 0.003 χ^2 /NDF: 7617.6/119

- sign 0.539 $\pm$ 0.004 χ^2 /NDF: 4204.5/59

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -23.368 ± 0.780 χ^2/NDF : 200.3/17

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -23.058 ± 0.834 χ^2/NDF : 274.9/17

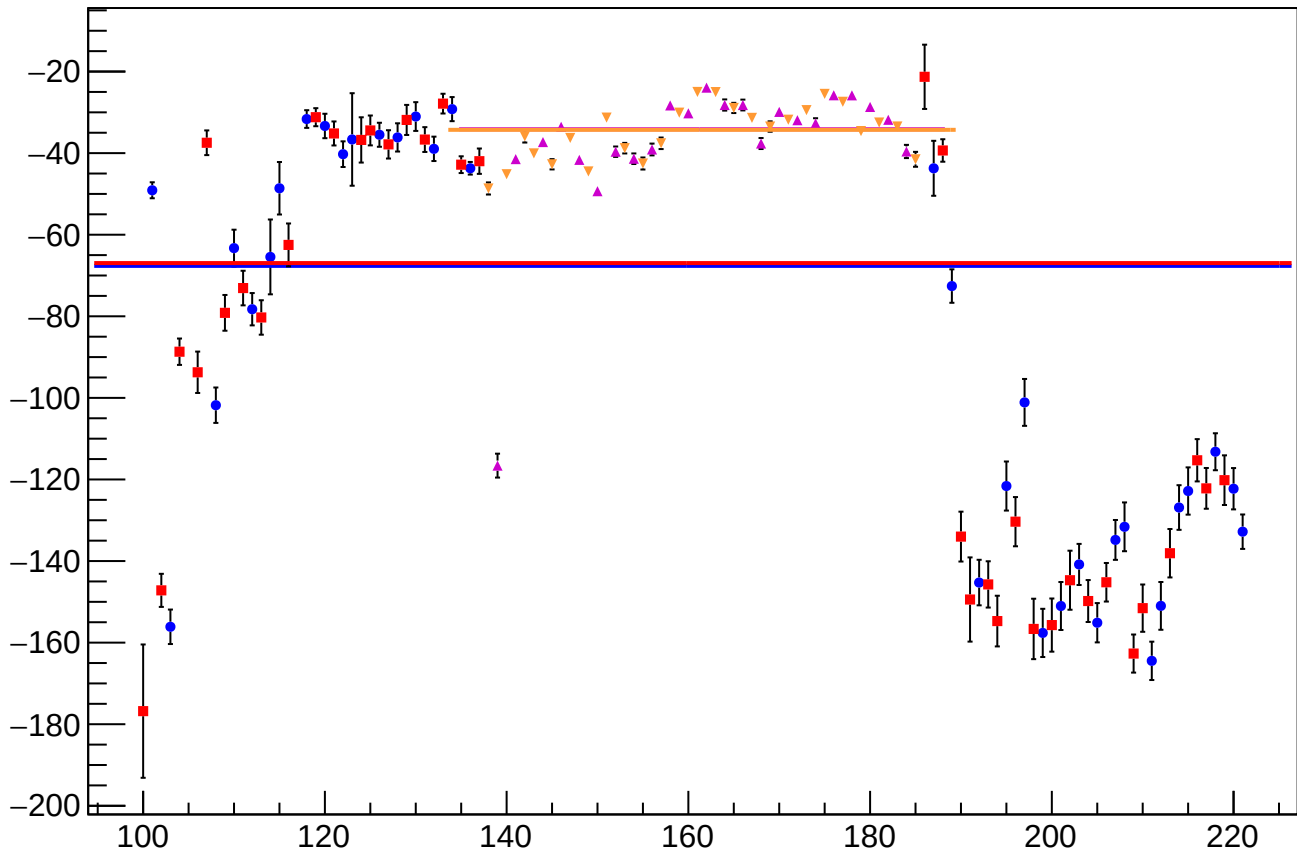
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -31.894 ± 0.280 χ^2/NDF : 837.5/42

All: -31.303 ± 0.201 χ^2/NDF : 1758.6/83

- sign -30.671 ± 0.290 χ^2/NDF : 911.8/40

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -67.638 ± 0.628 $\chi^2/\text{NDF}: 4796.4/34$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -66.950 ± 0.655 $\chi^2/\text{NDF}: 4699.5/36$

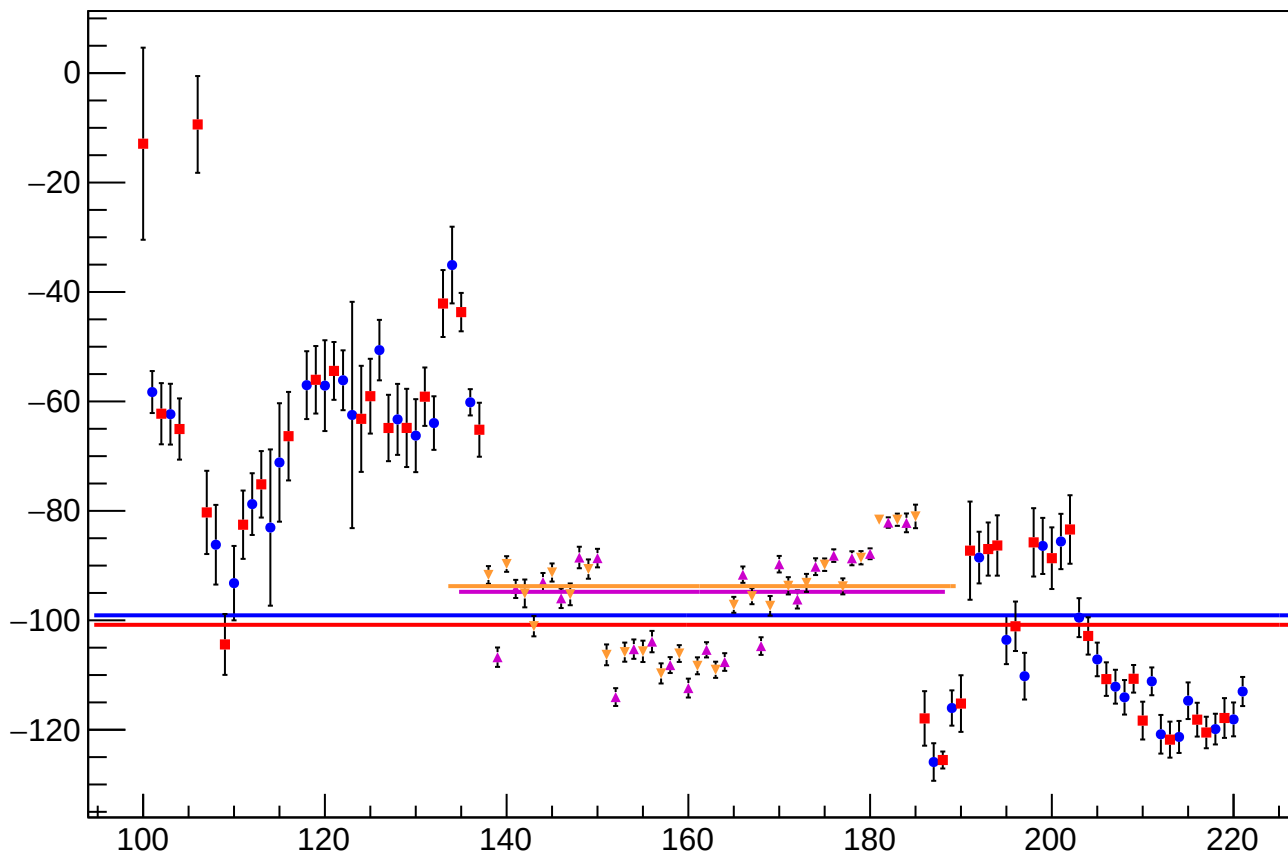
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -38.585 ± 0.225 $\chi^2/\text{NDF}: 7950.0/59$

All: -38.467 ± 0.162 $\chi^2/\text{NDF}: 16290.7/119$

- sign -38.341 ± 0.234 $\chi^2/\text{NDF}: 8340.2/59$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -99.087 ± 0.676 $\chi^2/\text{NDF}: 1269.2/34$

Left Out: -93.754 ± 0.302 $\chi^2/\text{NDF}: 883.1/24$

Right Out: -100.823 ± 0.696 $\chi^2/\text{NDF}: 1488.0/36$

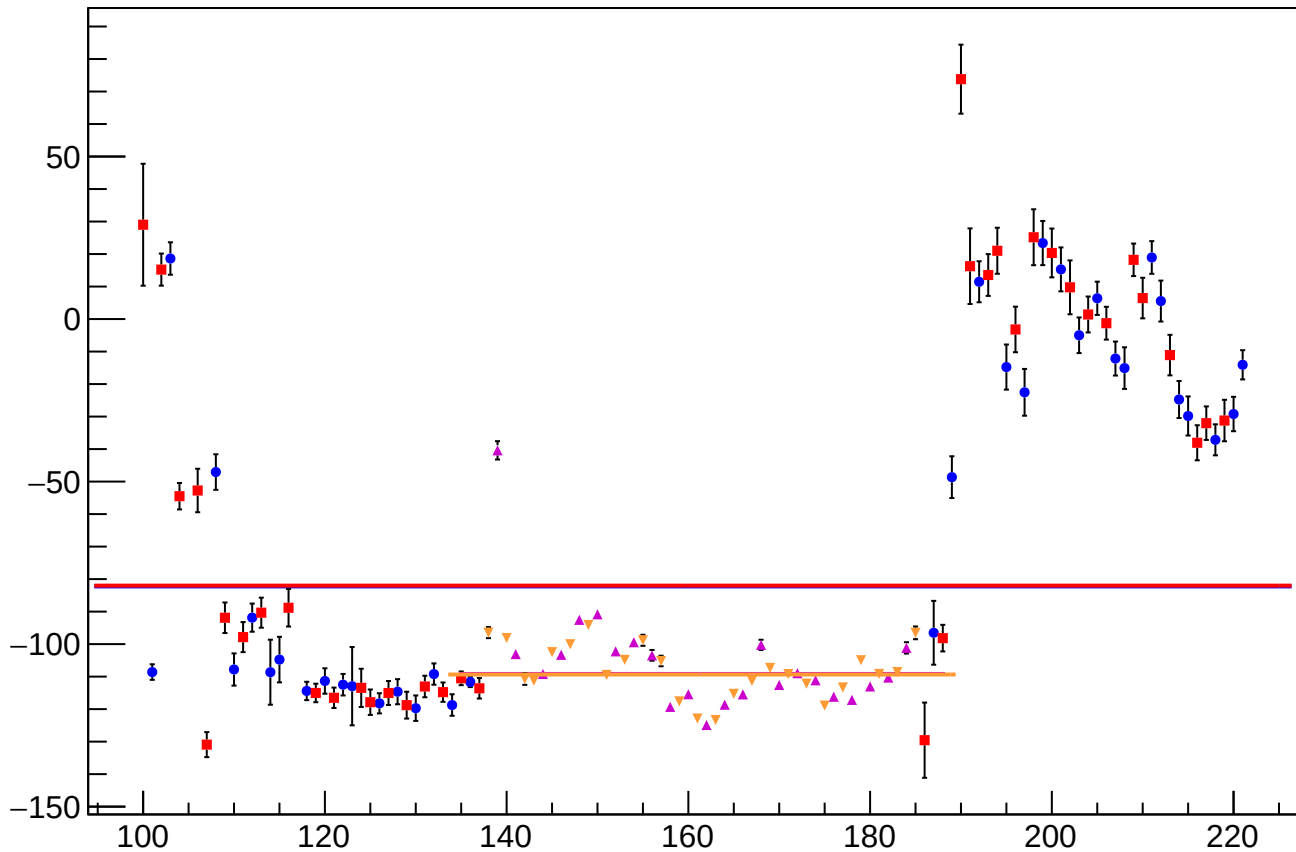
Left In: -94.796 ± 0.308 $\chi^2/\text{NDF}: 974.7/22$

+ sign -94.640 ± 0.276 $\chi^2/\text{NDF}: 2204.2/59$

All: -95.199 ± 0.197 $\chi^2/\text{NDF}: 4737.9/119$

- sign -95.785 ± 0.282 $\chi^2/\text{NDF}: 2525.3/59$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -82.252 ± 0.703 χ^2/NDF : 4585.7/34

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -82.009 ± 0.746 χ^2/NDF : 4469.9/36

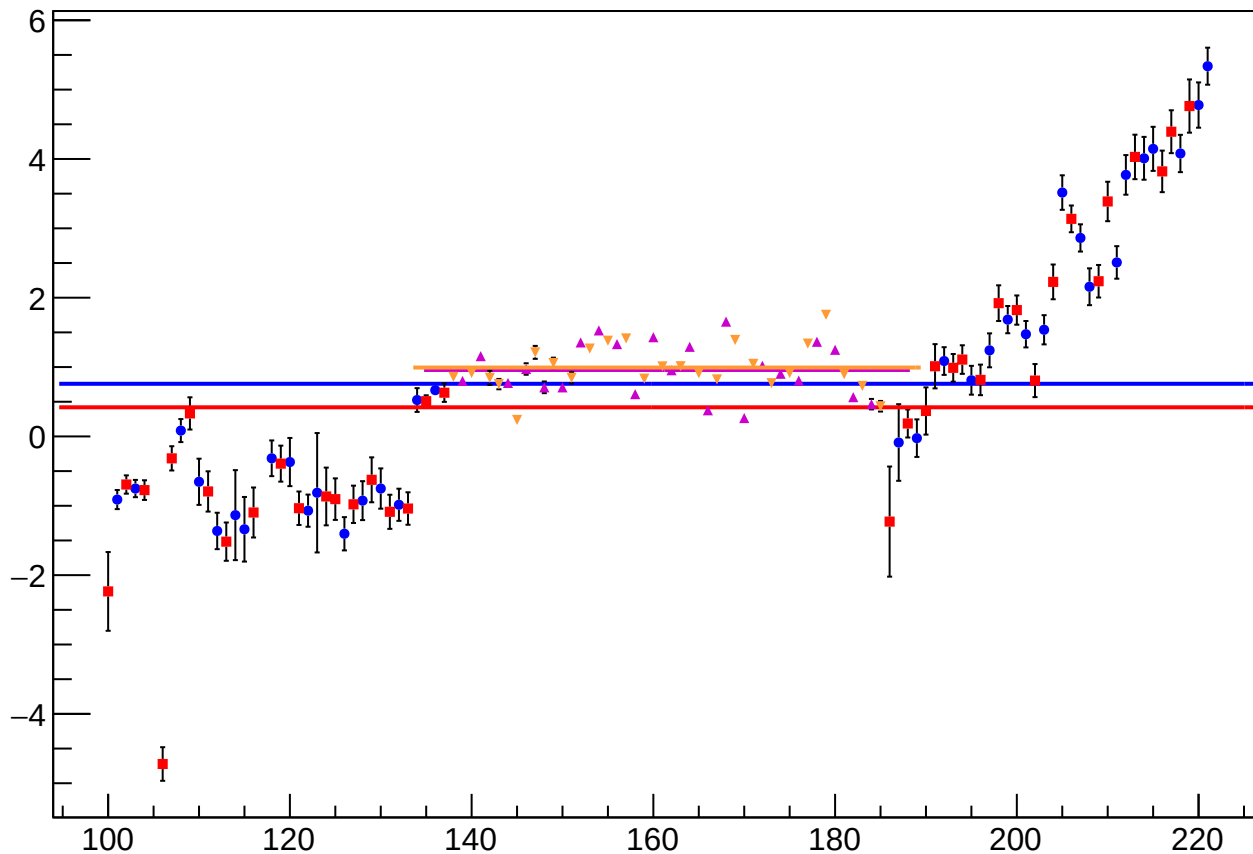
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -105.842 ± 0.253 χ^2/NDF : 6705.1/59

All: -105.836 ± 0.182 χ^2/NDF : 13839.7/119

- sign -105.830 ± 0.262 χ^2/NDF : 7134.6/59

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.759 ± 0.034 χ^2/NDF : 2042.6/34

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: 0.420 ± 0.035 χ^2/NDF : 1991.0/36

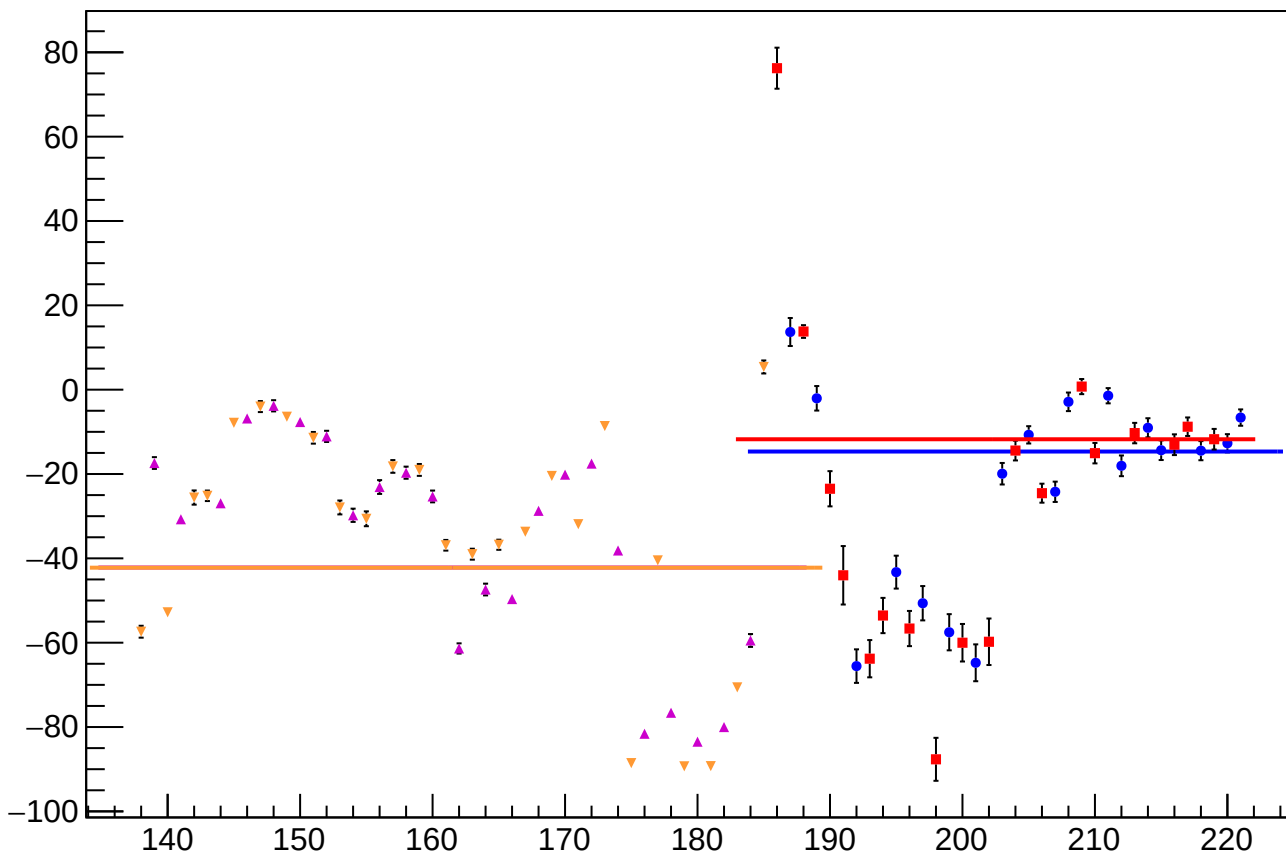
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.966 ± 0.012 χ^2/NDF : 2722.9/59

All: 0.932 ± 0.008 χ^2/NDF : 5829.7/119

- sign 0.897 ± 0.012 χ^2/NDF : 3089.9/59

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -14.669 ± 0.598 χ^2/NDF : 750.4/17

Left Out: -42.213 ± 0.222 χ^2/NDF : 18309.1/24

Right Out: -11.759 ± 0.643 χ^2/NDF : 1499.4/17

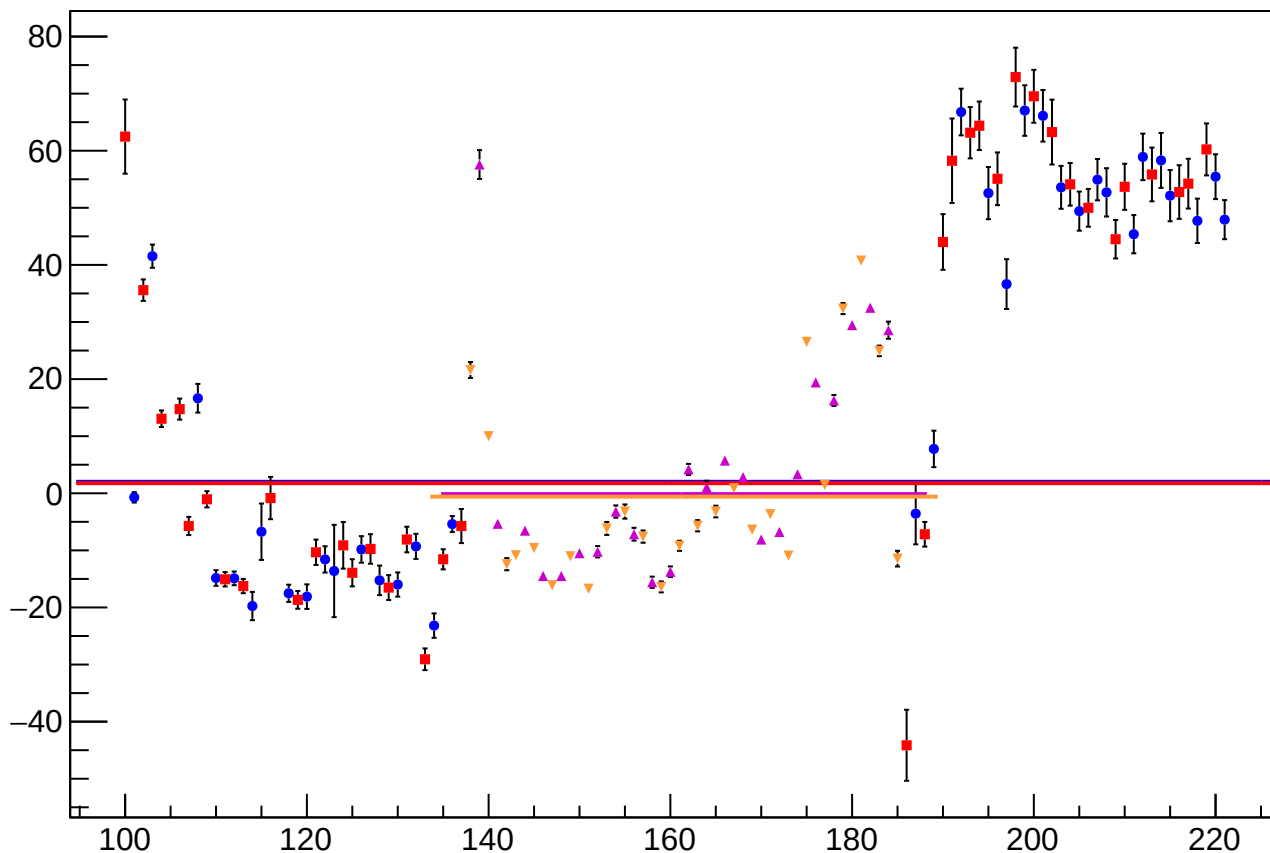
Left In: -42.176 ± 0.227 χ^2/NDF : 14575.9/22

+ sign -38.872 ± 0.208 χ^2/NDF : 20926.3/42

All: -38.839 ± 0.149 χ^2/NDF : 38990.9/83

- sign -38.804 ± 0.214 χ^2/NDF : 18064.5/40

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 2.010 ± 0.391 $\chi^2/\text{NDF}: 4205.5/34$

Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$

Right Out: 1.768 ± 0.392 $\chi^2/\text{NDF}: 4180.4/36$

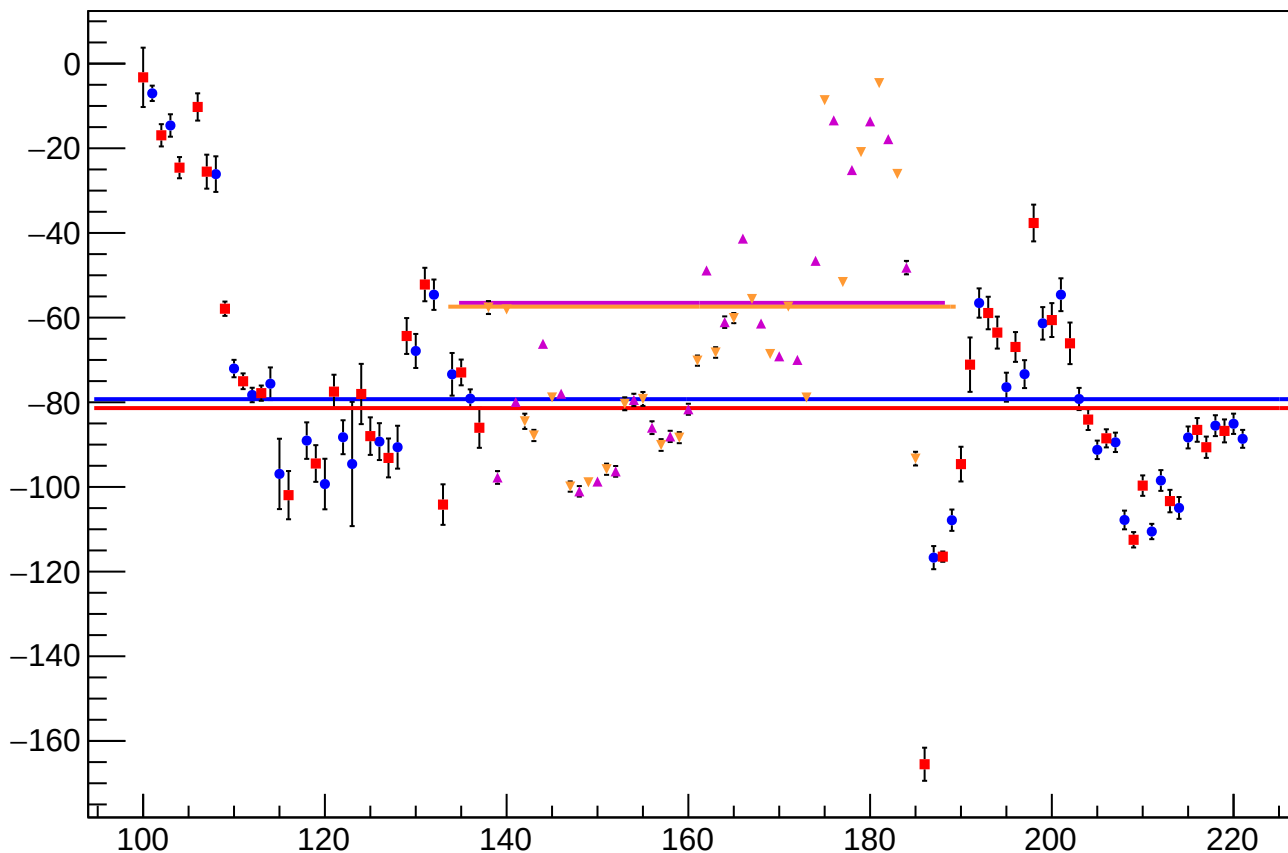
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -0.160 ± 0.159 $\chi^2/\text{NDF}: 12993.3/59$

All: 0.010 ± 0.114 $\chi^2/\text{NDF}: 24058.1/119$

- sign 0.188 ± 0.163 $\chi^2/\text{NDF}: 11062.5/59$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -79.264 ± 0.468 χ^2/NDF : 3590.3/34

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -81.374 ± 0.465 χ^2/NDF : 4231.9/36

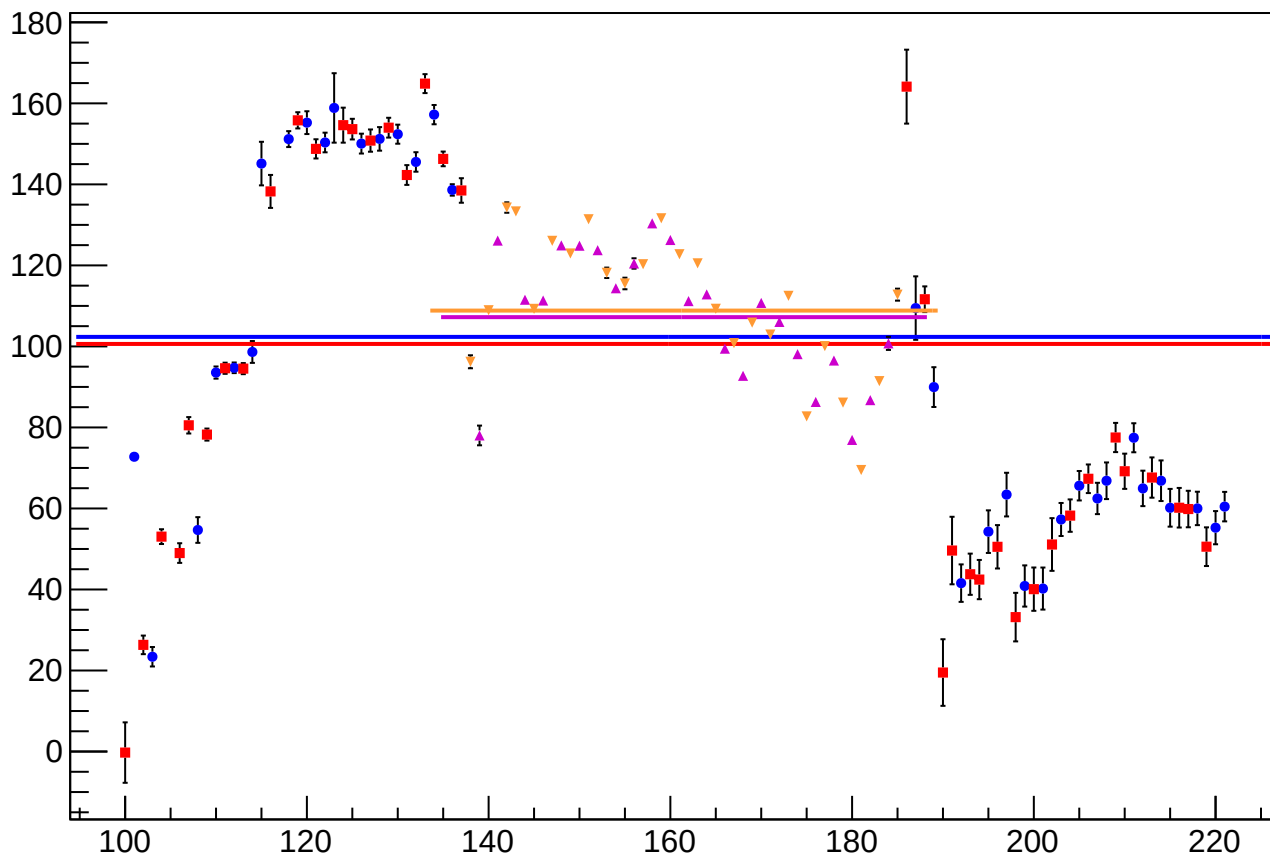
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -61.460 ± 0.201 χ^2/NDF : 23969.1/59

All: -61.386 ± 0.143 χ^2/NDF : 46863.8/119

- sign -61.310 ± 0.204 χ^2/NDF : 22894.4/59

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 102.353 $\pm$ 0.444 χ^2 /NDF: 7806.6/34

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 100.611 $\pm$ 0.448 χ^2 /NDF: 8688.2/36

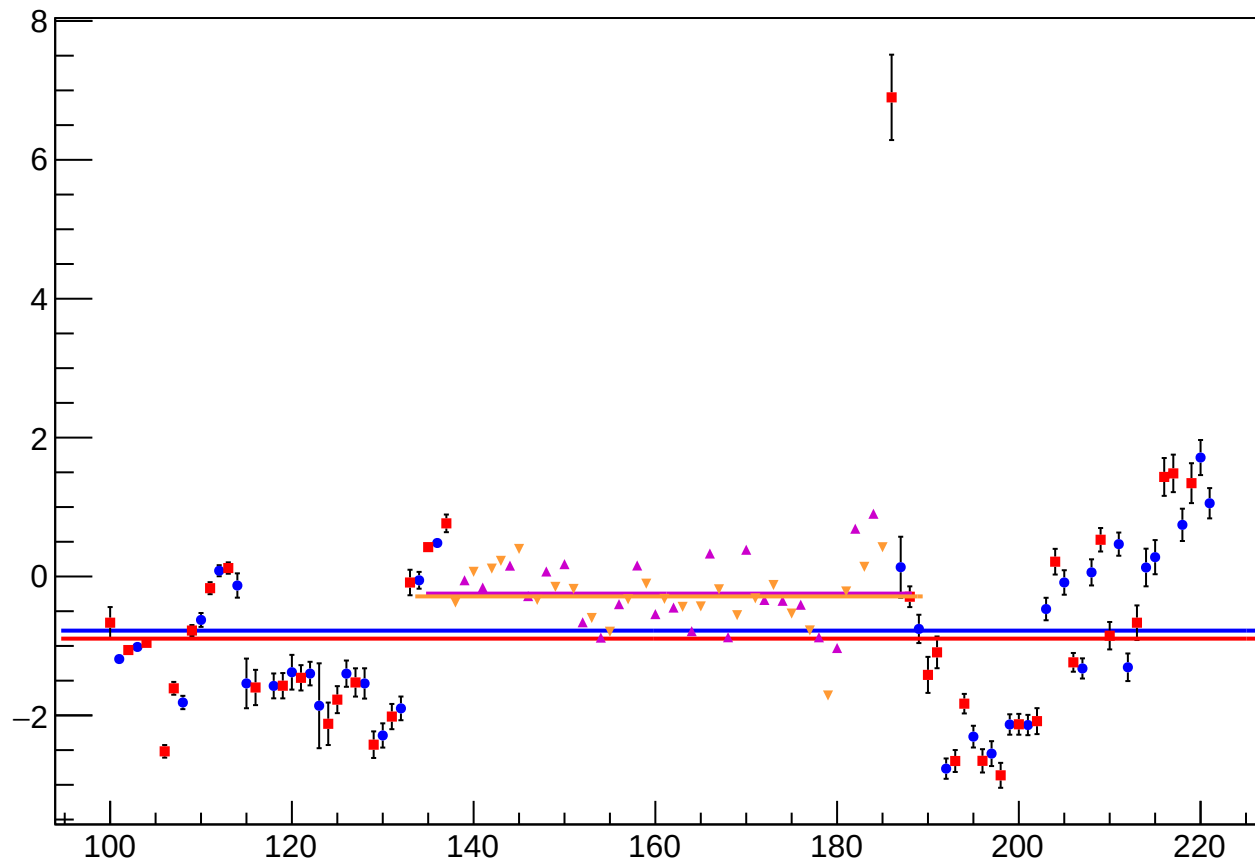
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 107.774 $\pm$ 0.180 χ^2 /NDF: 15385.6/59

All: 106.958 $\pm$ 0.129 χ^2 /NDF: 29862.1/119

- sign 106.103 $\pm$ 0.184 χ^2 /NDF: 14434.5/59

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.780 ± 0.022 χ^2/NDF : 1909.4/34

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.895 ± 0.021 χ^2/NDF : 2327.4/36

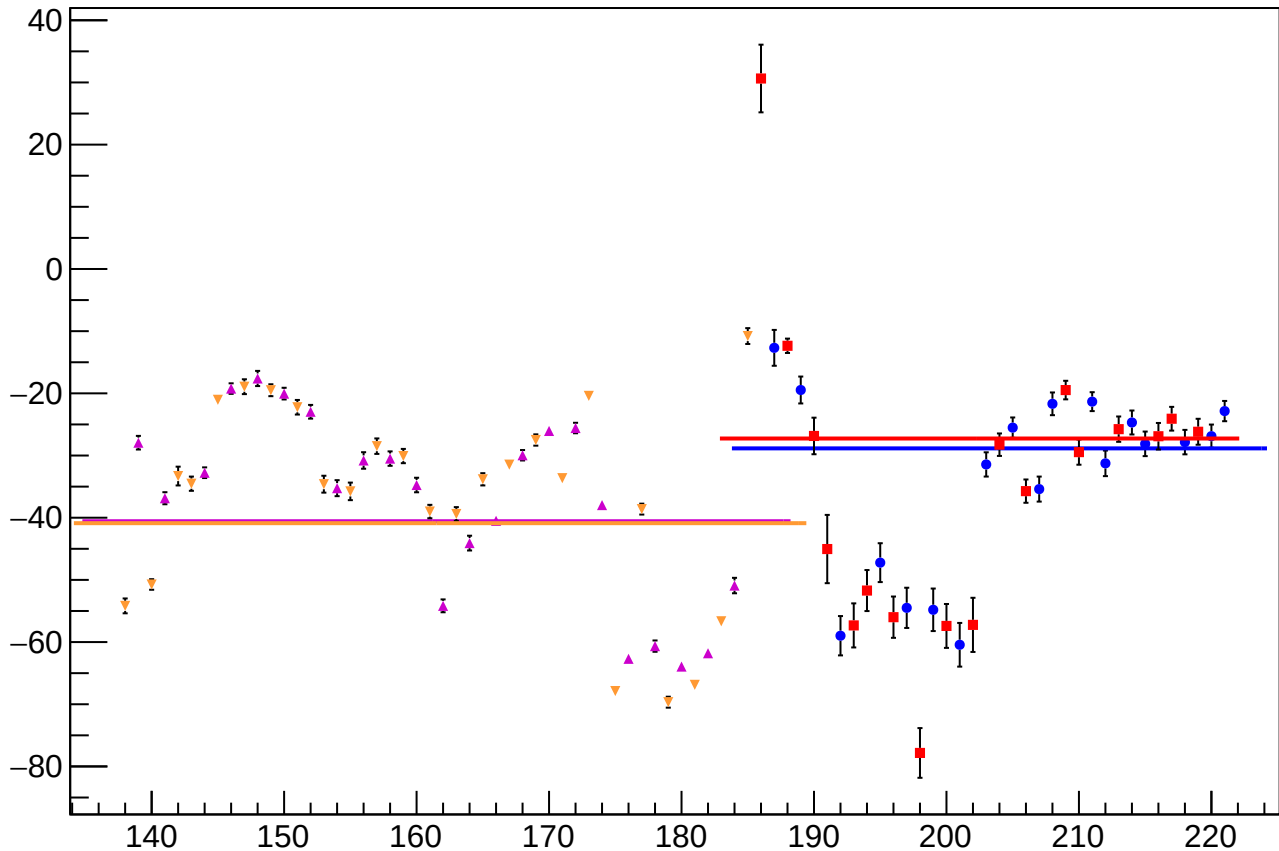
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.357 ± 0.008 χ^2/NDF : 4384.6/59

All: -0.353 ± 0.006 χ^2/NDF : 10281.5/119

- sign -0.349 ± 0.008 χ^2/NDF : 5896.5/59

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -28.850 ± 0.494 $\chi^2/\text{NDF}: 454.4/17$

Left Out: -40.880 ± 0.186 $\chi^2/\text{NDF}: 9123.2/24$

Right Out: -27.263 ± 0.524 $\chi^2/\text{NDF}: 825.2/17$

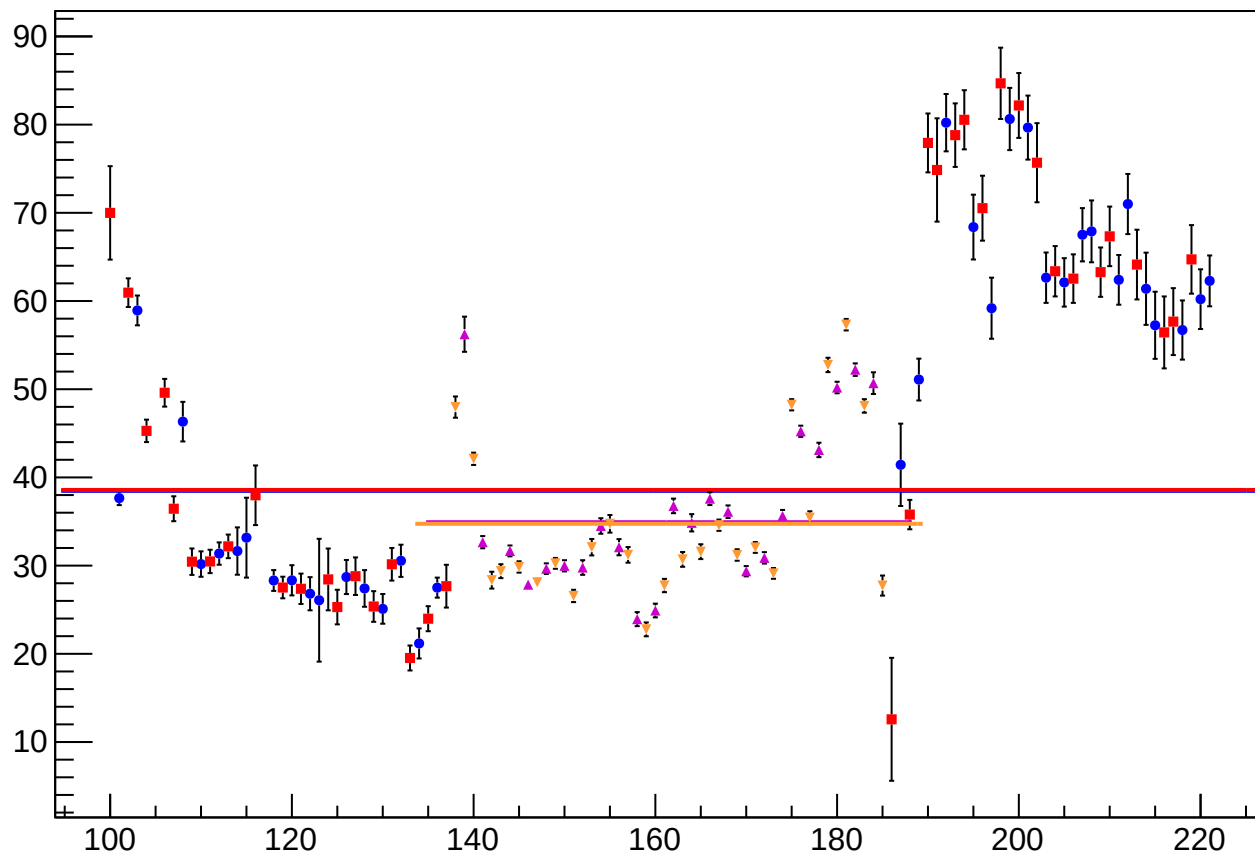
Left In: -40.567 ± 0.190 $\chi^2/\text{NDF}: 6954.7/22$

+ sign -39.384 ± 0.174 $\chi^2/\text{NDF}: 10097.1/42$

All: -39.208 ± 0.125 $\chi^2/\text{NDF}: 18448.5/83$

- sign -39.024 ± 0.179 $\chi^2/\text{NDF}: 8349.2/40$

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 38.479 $\pm$ 0.337 χ^2 /NDF: 1949.1/34

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

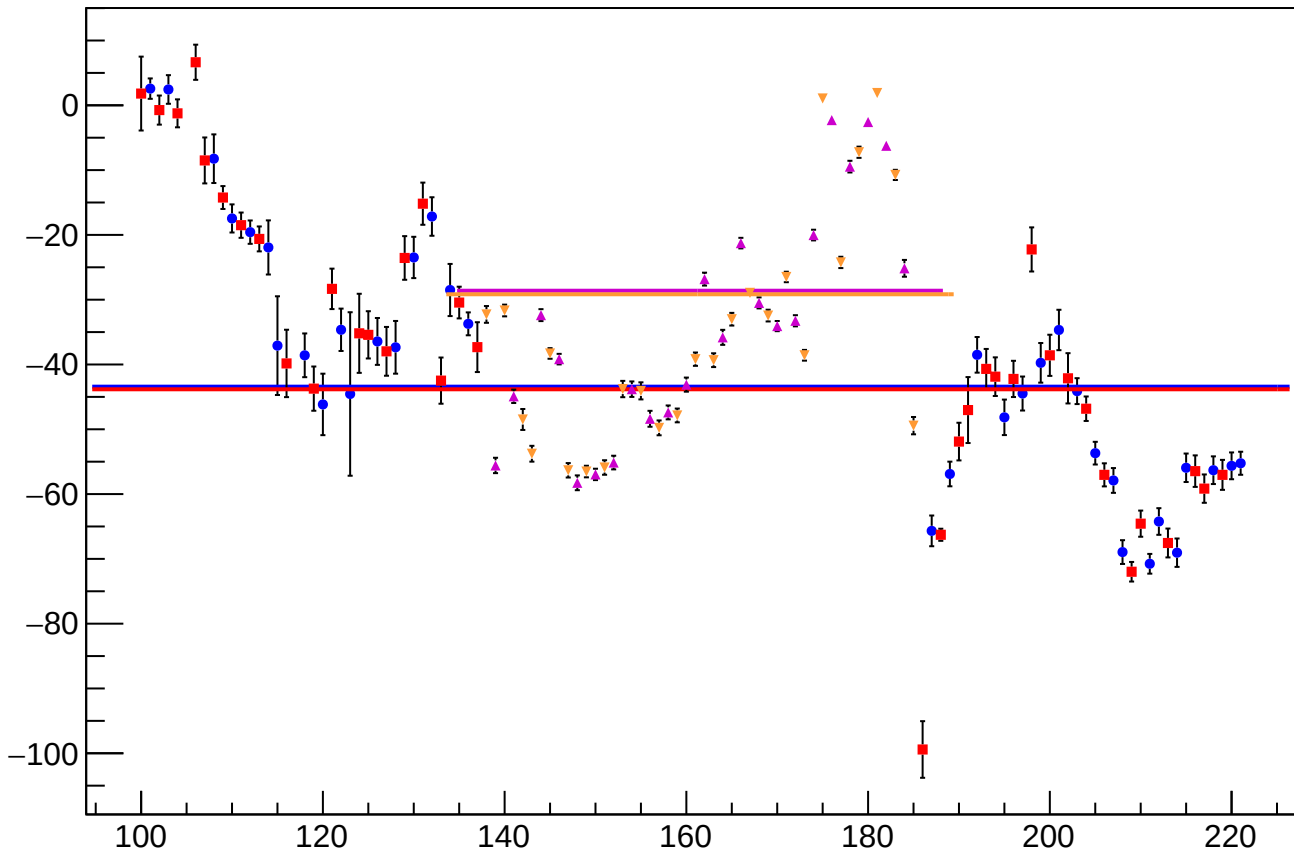
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF: 2672.9/22

+ sign 35.341 $\pm$ 0.135 χ^2 /NDF: 5745.4/59

All: 35.431 $\pm$ 0.097 χ^2 /NDF: 10816.5/119

- sign 35.526 $\pm$ 0.139 χ^2 /NDF: 5070.3/59

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -43.423 ± 0.398 χ^2/NDF : 3043.7/34

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -43.827 ± 0.395 χ^2/NDF : 3568.6/36

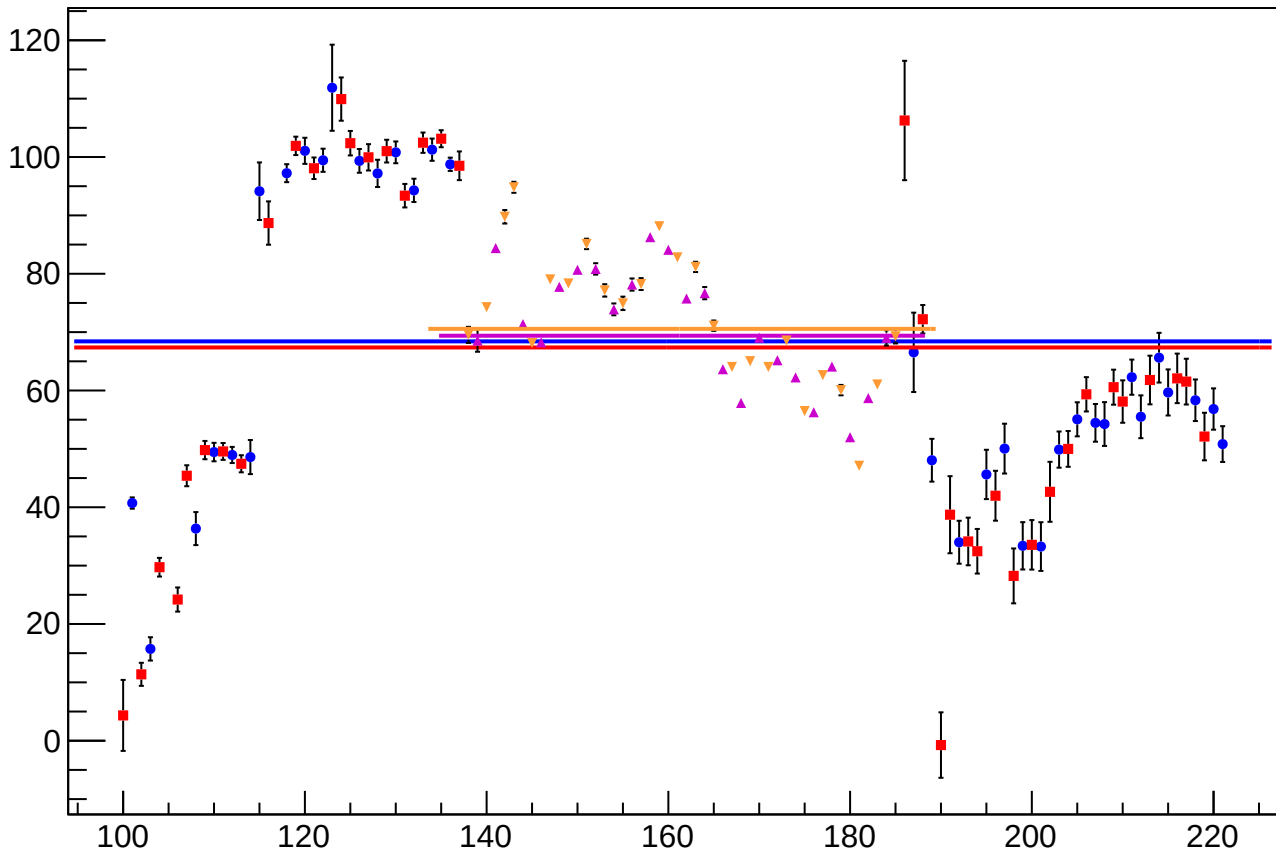
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -31.742 ± 0.169 χ^2/NDF : 14221.1/59

All: -31.607 ± 0.120 χ^2/NDF : 28036.0/119

- sign -31.469 ± 0.171 χ^2/NDF : 13813.6/59

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 68.419+/-0.384 χ^2/NDF : 5239.1/34

Left Out: 70.563+/-0.166 χ^2/NDF : 4589.1/24

Right Out: 67.373+/-0.392 χ^2/NDF : 6153.4/36

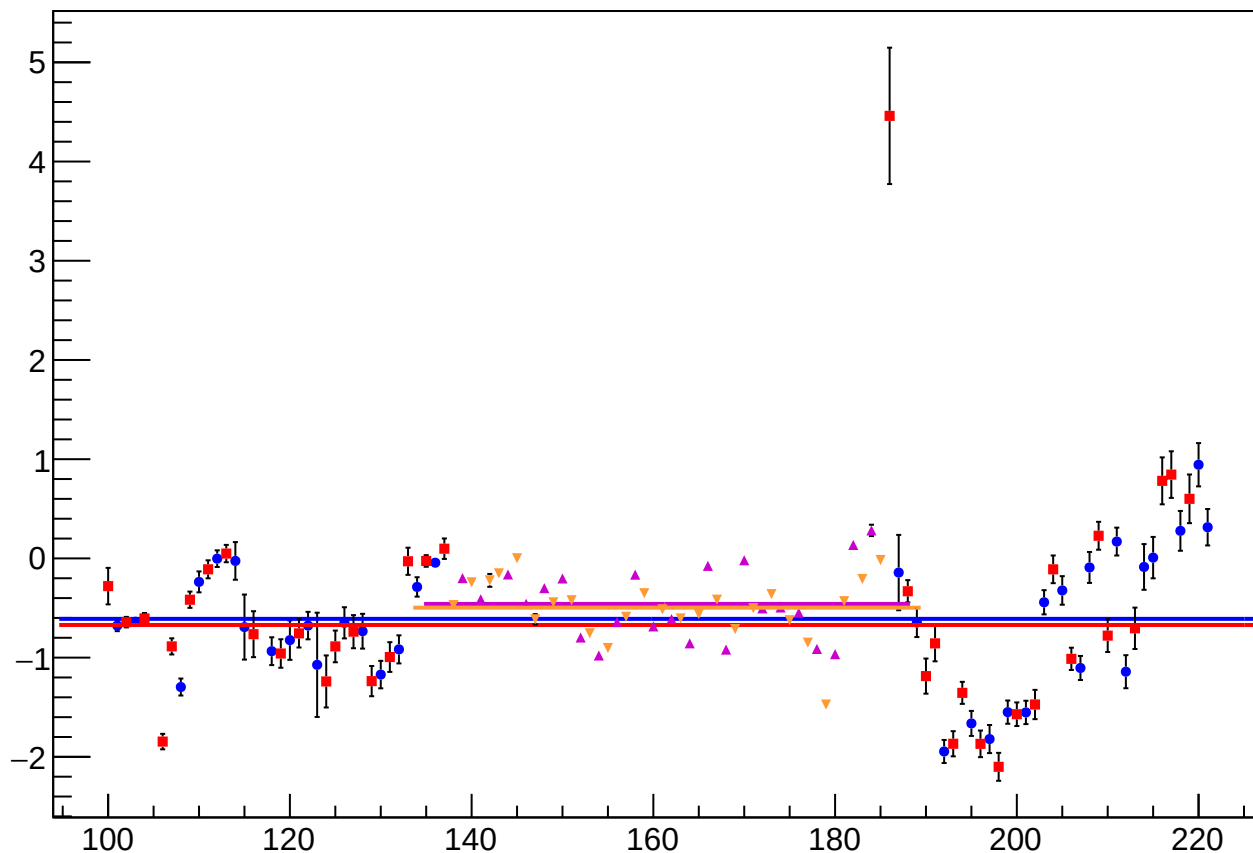
Left In: 69.387+/-0.170 χ^2/NDF : 3321.8/22

+ sign 70.224+/-0.153 χ^2/NDF : 9854.5/59

All: 69.659+/-0.109 χ^2/NDF : 19380.1/119

- sign 69.067+/-0.156 χ^2/NDF : 9497.5/59

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.609 ± 0.019 χ^2/NDF : 916.1/34

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.671 ± 0.018 χ^2/NDF : 1230.0/36

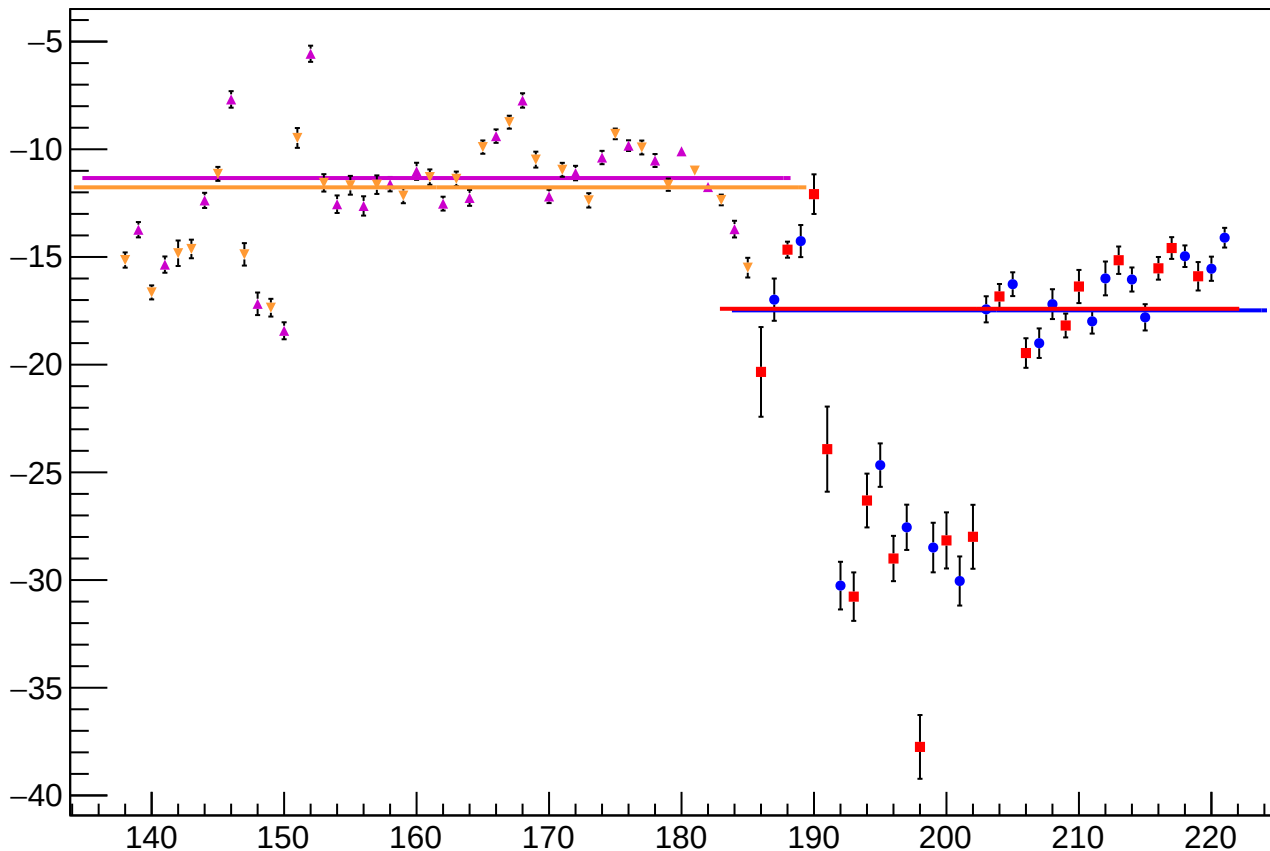
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.512 ± 0.007 χ^2/NDF : 2396.1/59

All: -0.502 ± 0.005 χ^2/NDF : 5702.8/119

- sign -0.491 ± 0.007 χ^2/NDF : 3302.2/59

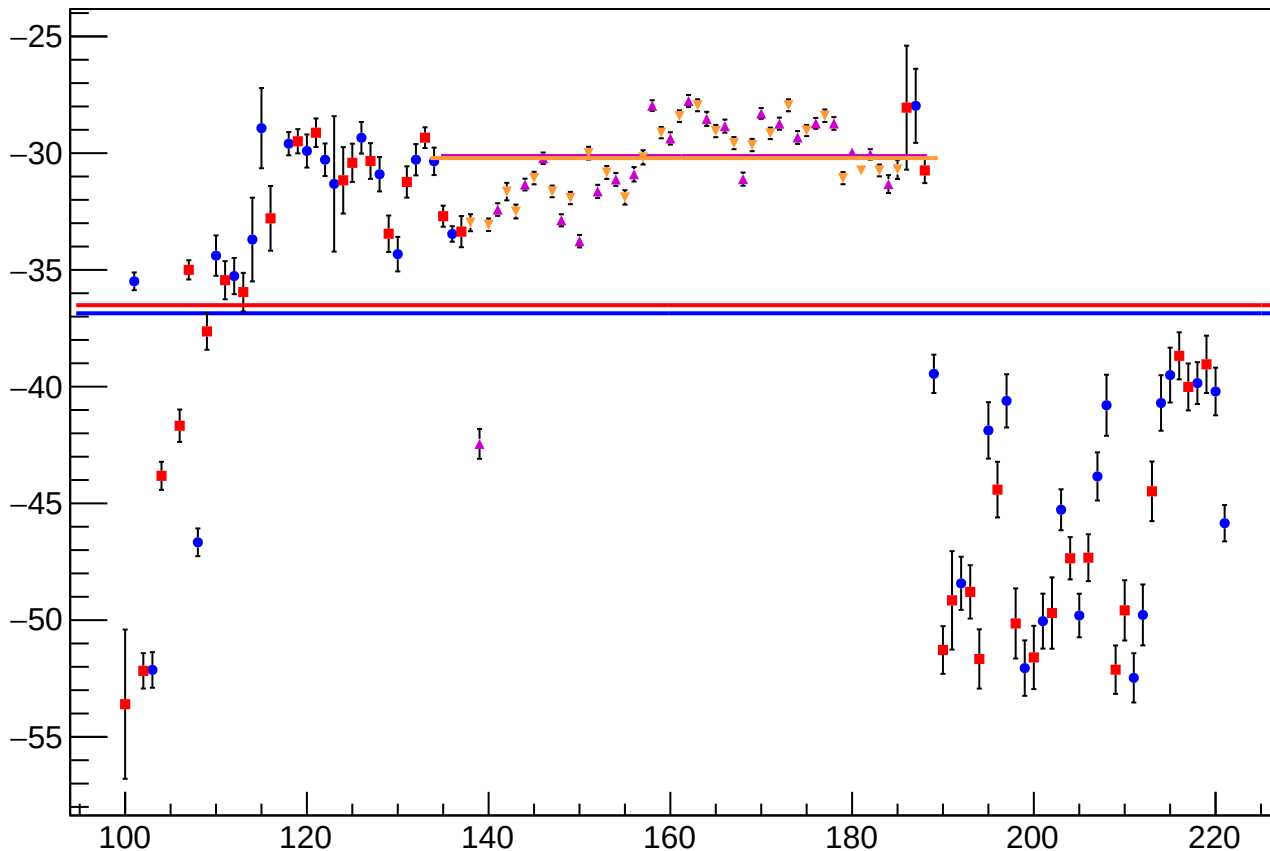
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -17.479 ± 0.158 χ^2/NDF : 620.4/17
 Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24
 Right Out: -17.406 ± 0.169 χ^2/NDF : 797.3/17
 Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -12.626 ± 0.061 χ^2/NDF : 2744.8/42
 All: -12.411 ± 0.044 χ^2/NDF : 5948.2/83
 - sign -12.184 ± 0.063 χ^2/NDF : 3178.2/40

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.859 ± 0.130 χ^2/NDF : 2938.6/34

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -36.511 ± 0.130 χ^2/NDF : 3178.7/36

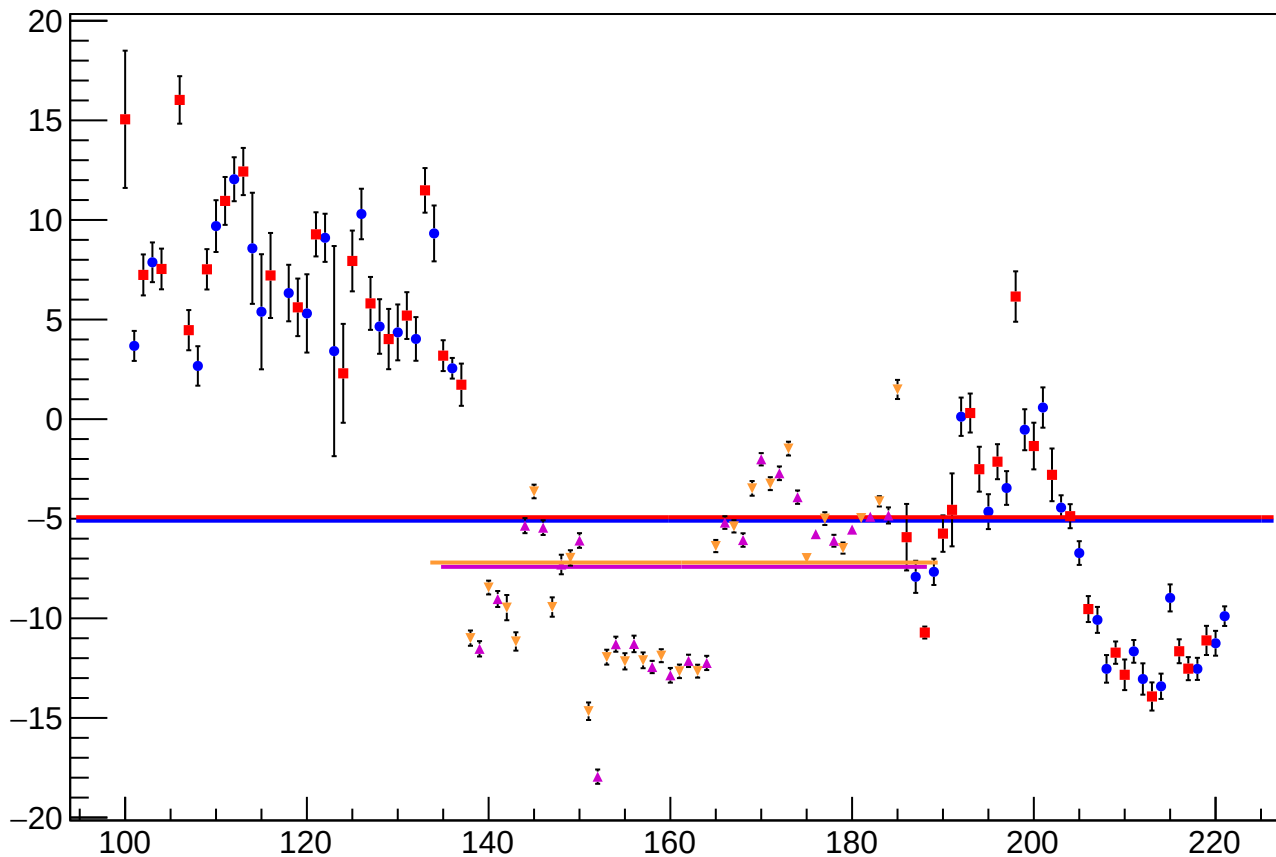
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -31.192 ± 0.050 χ^2/NDF : 5917.1/59

All: -31.151 ± 0.036 χ^2/NDF : 12363.3/119

- sign -31.108 ± 0.051 χ^2/NDF : 6444.8/59

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -5.098 ± 0.138 $\chi^2/\text{NDF}: 2748.1/34$

Left Out: -7.199 ± 0.067 $\chi^2/\text{NDF}: 3037.3/24$

Right Out: -4.923 ± 0.140 $\chi^2/\text{NDF}: 3465.2/36$

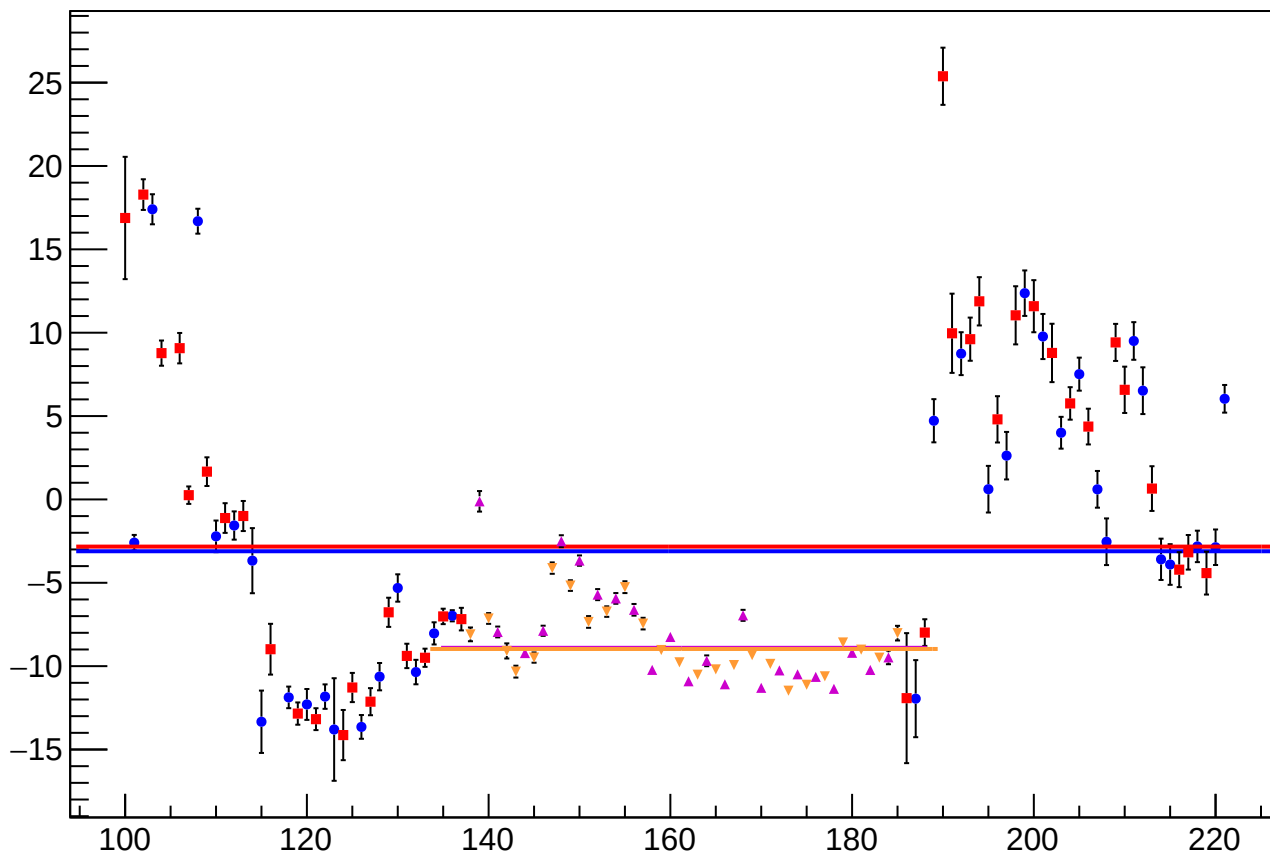
Left In: -7.415 ± 0.068 $\chi^2/\text{NDF}: 3123.3/22$

+ sign -6.801 ± 0.060 $\chi^2/\text{NDF}: 5972.4/59$

All: -6.870 ± 0.043 $\chi^2/\text{NDF}: 12819.3/119$

- sign -6.942 ± 0.061 $\chi^2/\text{NDF}: 6844.2/59$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.109 ± 0.146 χ^2/NDF : 3139.5/34

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -2.829 ± 0.150 χ^2/NDF : 3240.7/36

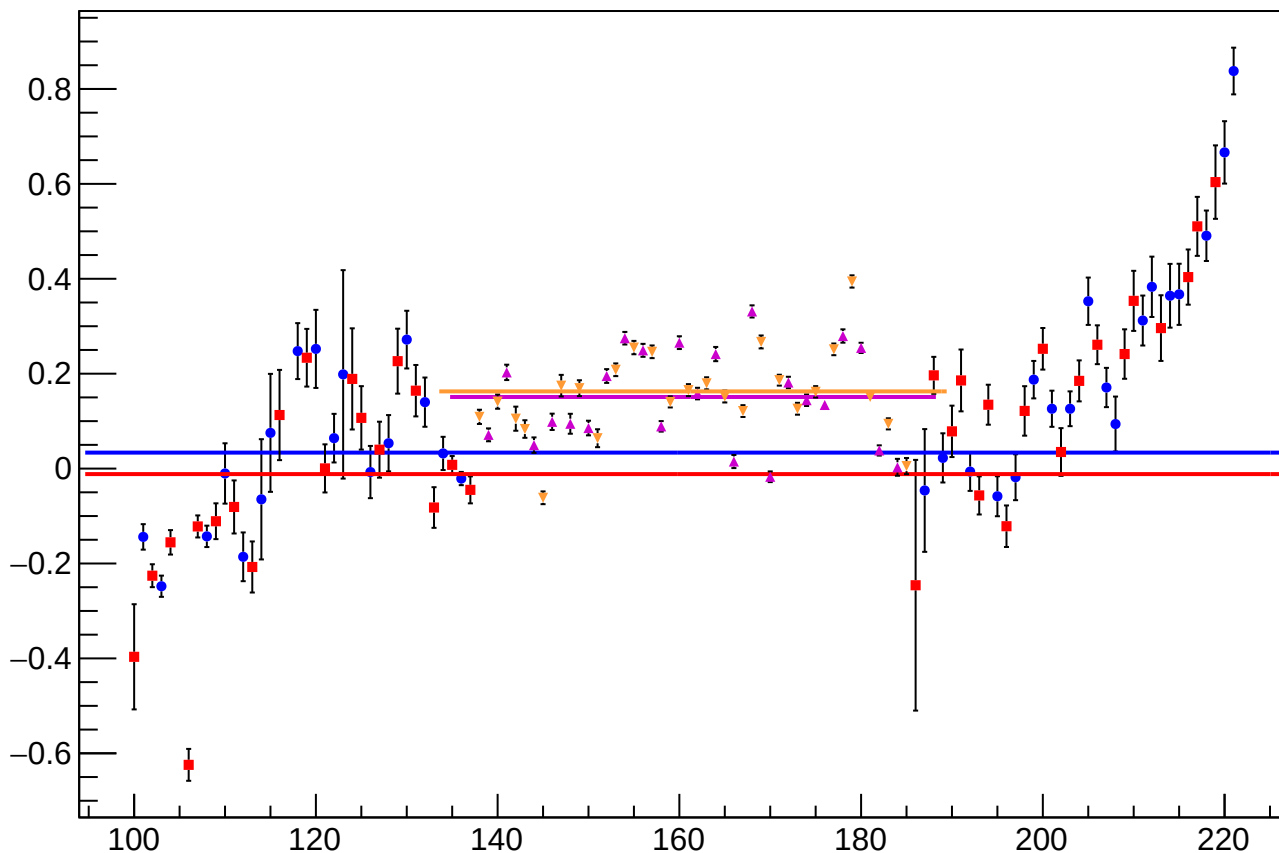
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.115 ± 0.056 χ^2/NDF : 5402.6/59

All: -8.070 ± 0.040 χ^2/NDF : 11578.7/119

- sign -8.024 ± 0.057 χ^2/NDF : 6174.7/59

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: 0.034 $\pm$ 0.007 χ^2/NDF : 970.2/34

Left Out: 0.163 $\pm$ 0.003 χ^2/NDF :1018.1/24

Right Out: -0.012 $\pm$ 0.007 χ^2/NDF : 982.5/36

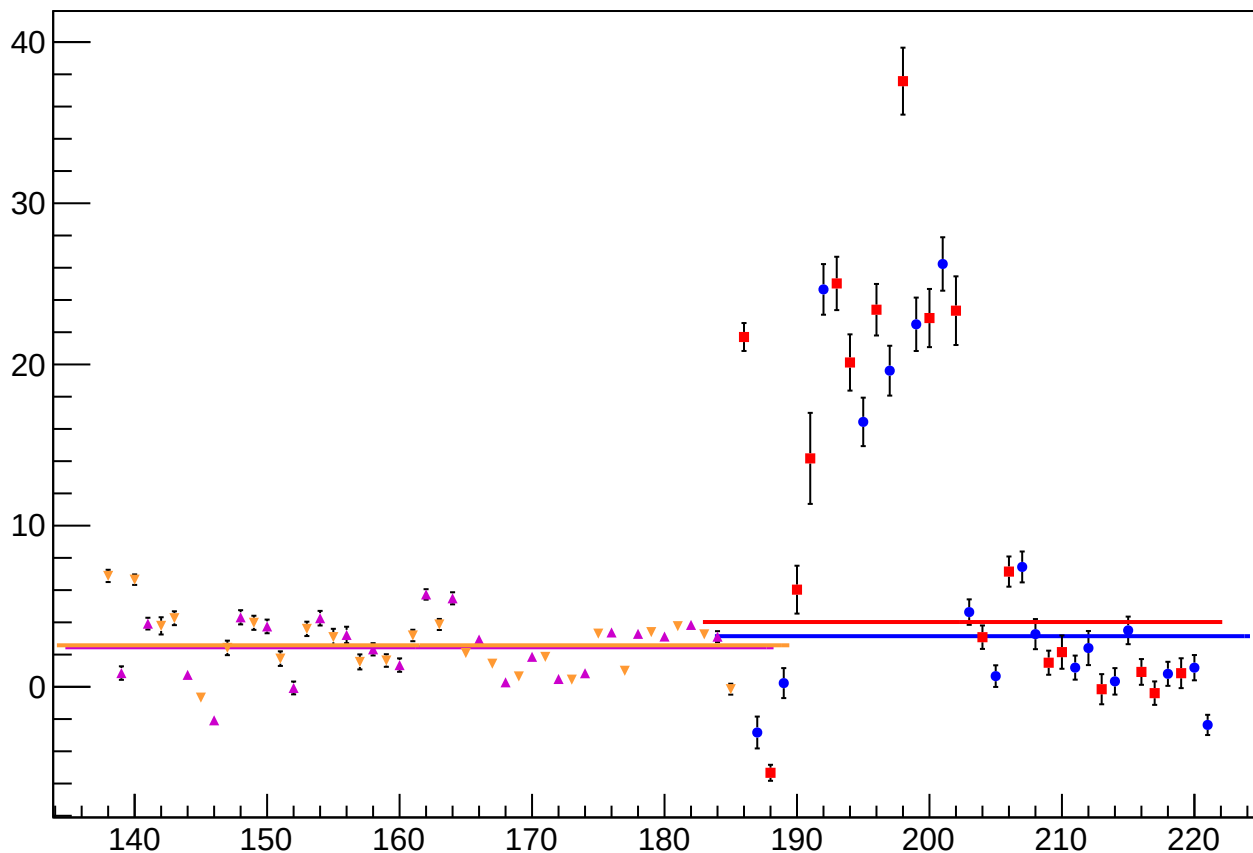
Left In: 0.151 $\pm$ 0.003 χ^2/NDF :1286.5/22

+ sign 0.145 $\pm$ 0.003 χ^2/NDF : 2298.1/59

All: 0.137 $\pm$ 0.002 χ^2/NDF : 5064.4/119

- sign 0.128 $\pm$ 0.003 χ^2/NDF : 2745.7/59

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 3.142 ± 0.215 χ^2/NDF : 905.5/17

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 4.020 ± 0.227 χ^2/NDF : 1742.7/17

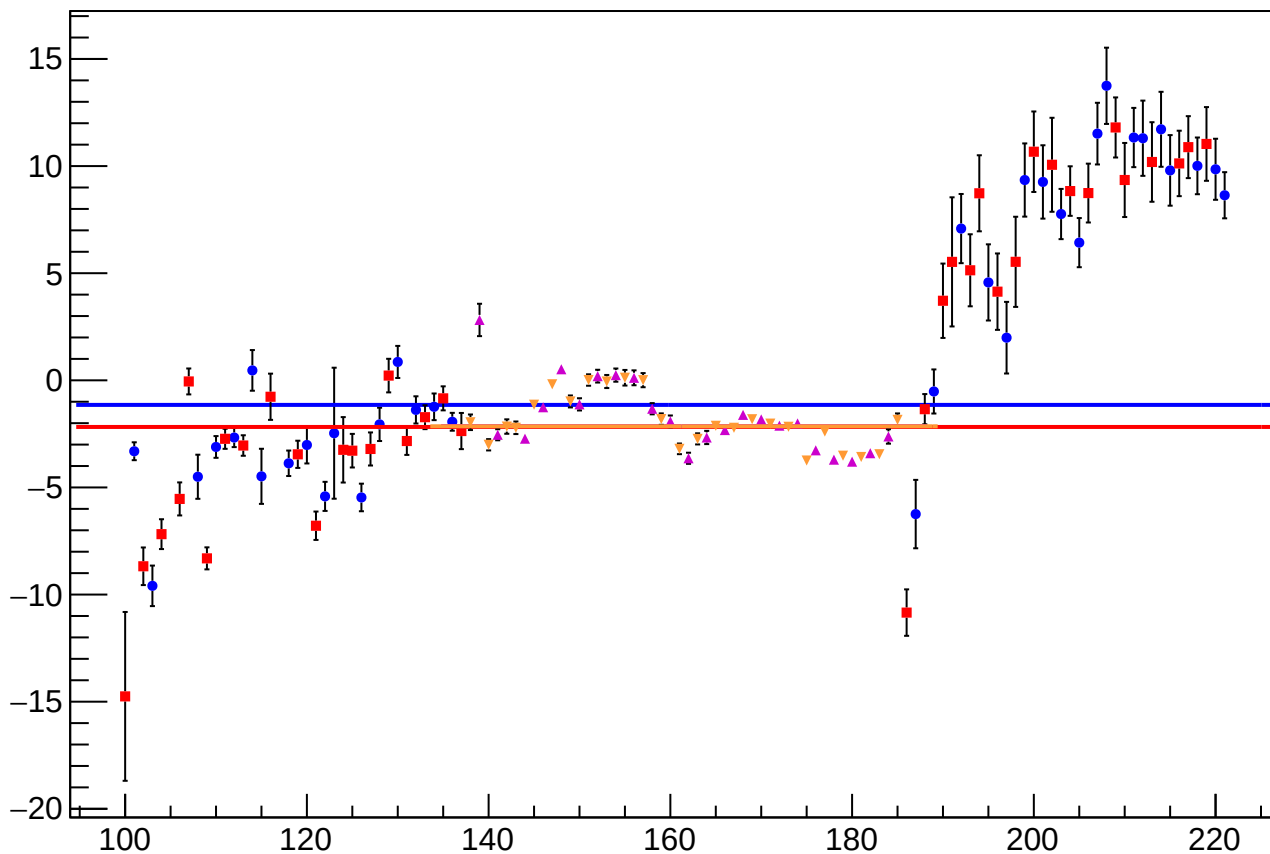
Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

+ sign 2.616 ± 0.056 χ^2/NDF : 1779.4/42

All: 2.585 ± 0.040 χ^2/NDF : 4438.5/83

- sign 2.552 ± 0.057 χ^2/NDF : 2658.5/40

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.147 ± 0.141 χ^2/NDF : 1093.2/34

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -2.177 ± 0.141 χ^2/NDF : 1161.8/36

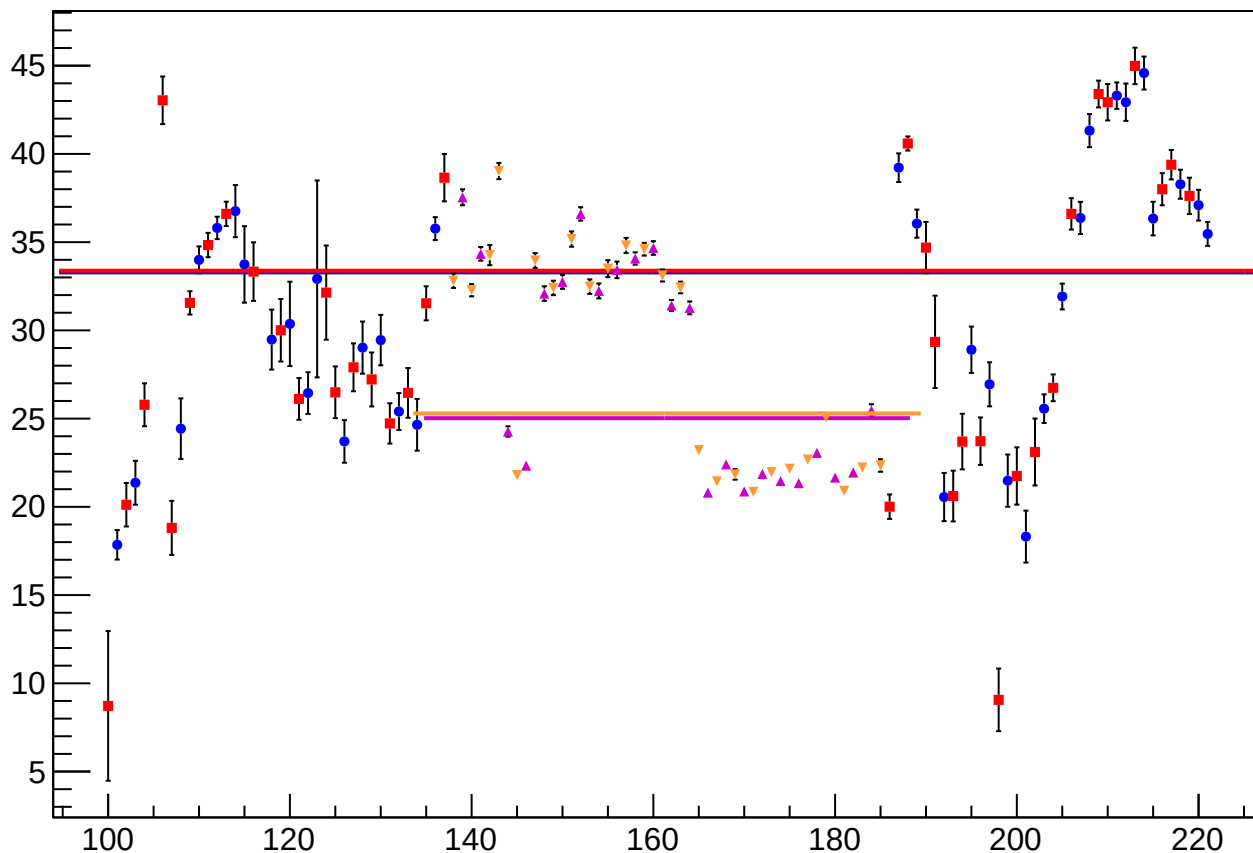
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.043 ± 0.045 χ^2/NDF : 1711.7/59

All: -2.091 ± 0.032 χ^2/NDF : 3567.0/119

- sign -2.141 ± 0.046 χ^2/NDF : 1853.1/59

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 33.286 $\pm$ 0.168 χ^2 /NDF: 1726.9/34

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

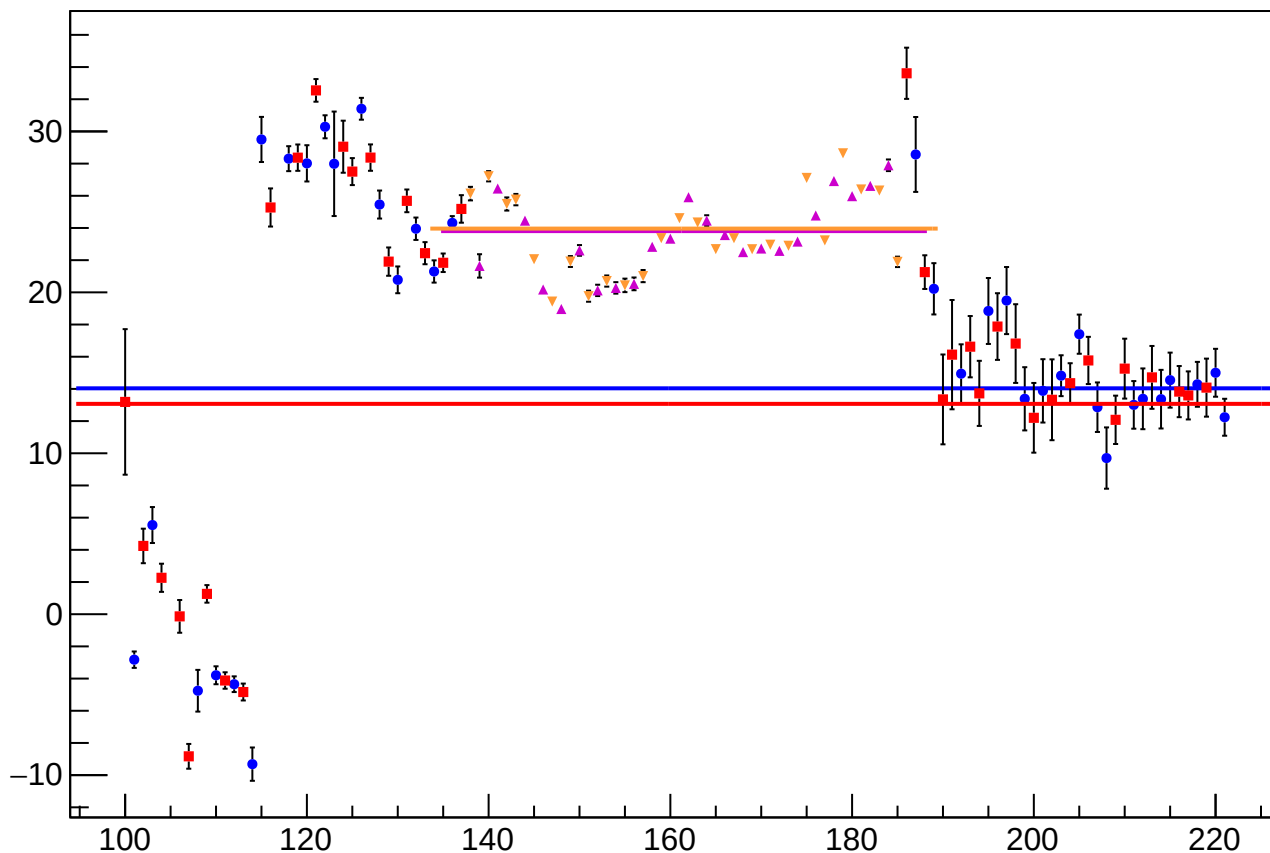
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 26.167 $\pm$ 0.056 χ^2 /NDF: 12009.7/59

All: 26.074 $\pm$ 0.039 χ^2 /NDF: 24139.8/119

- 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: 14.036 $\pm$ 0.157 χ^2 /NDF: 7360.5/34

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

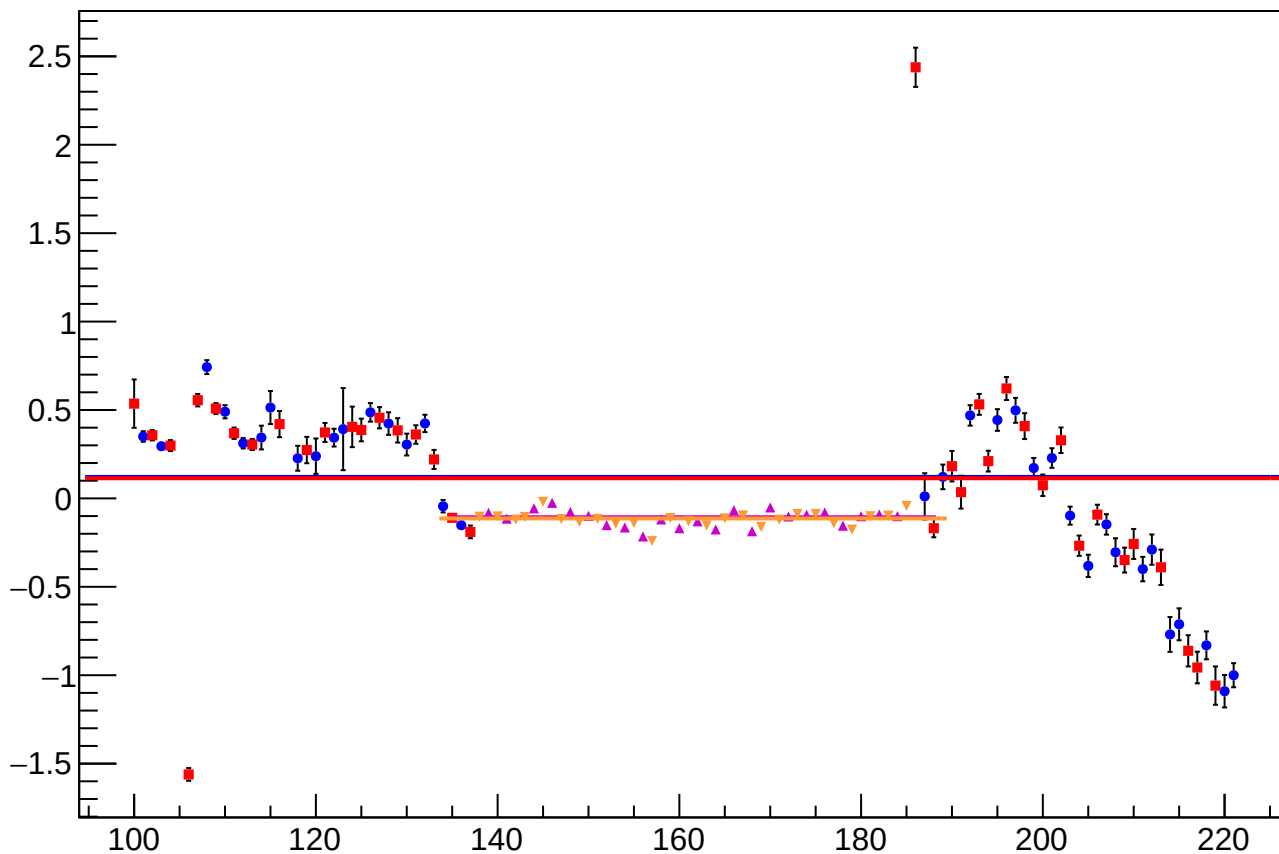
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 22.946 $\pm$ 0.050 χ^2 /NDF: 12852.7/59

All: 22.827 $\pm$ 0.036 χ^2 /NDF: 25885.2/119

- 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: 0.121 $\pm$ 0.008 χ^2 /NDF: 1992.9/34

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

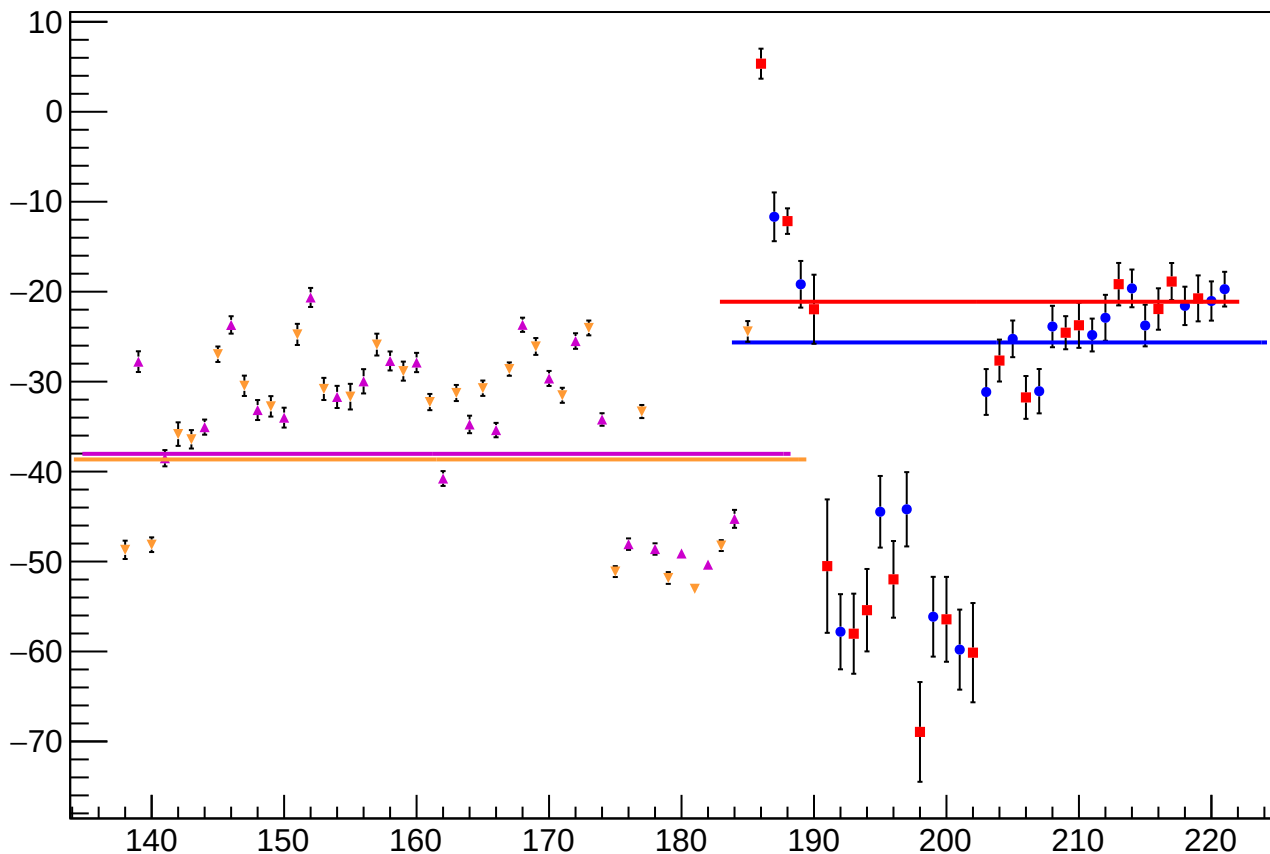
Left In: -0.107 $\pm$ 0.002 χ^2 /NDF: 321.8/22

+ sign -0.094 $\pm$ 0.002 χ^2 /NDF: 3052.1/59

All: -0.091 $\pm$ 0.002 χ^2 /NDF: 8218.9/119

- 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: -25.644 ± 0.589 χ^2/NDF : 278.6/17

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -21.119 ± 0.600 χ^2/NDF : 698.9/17

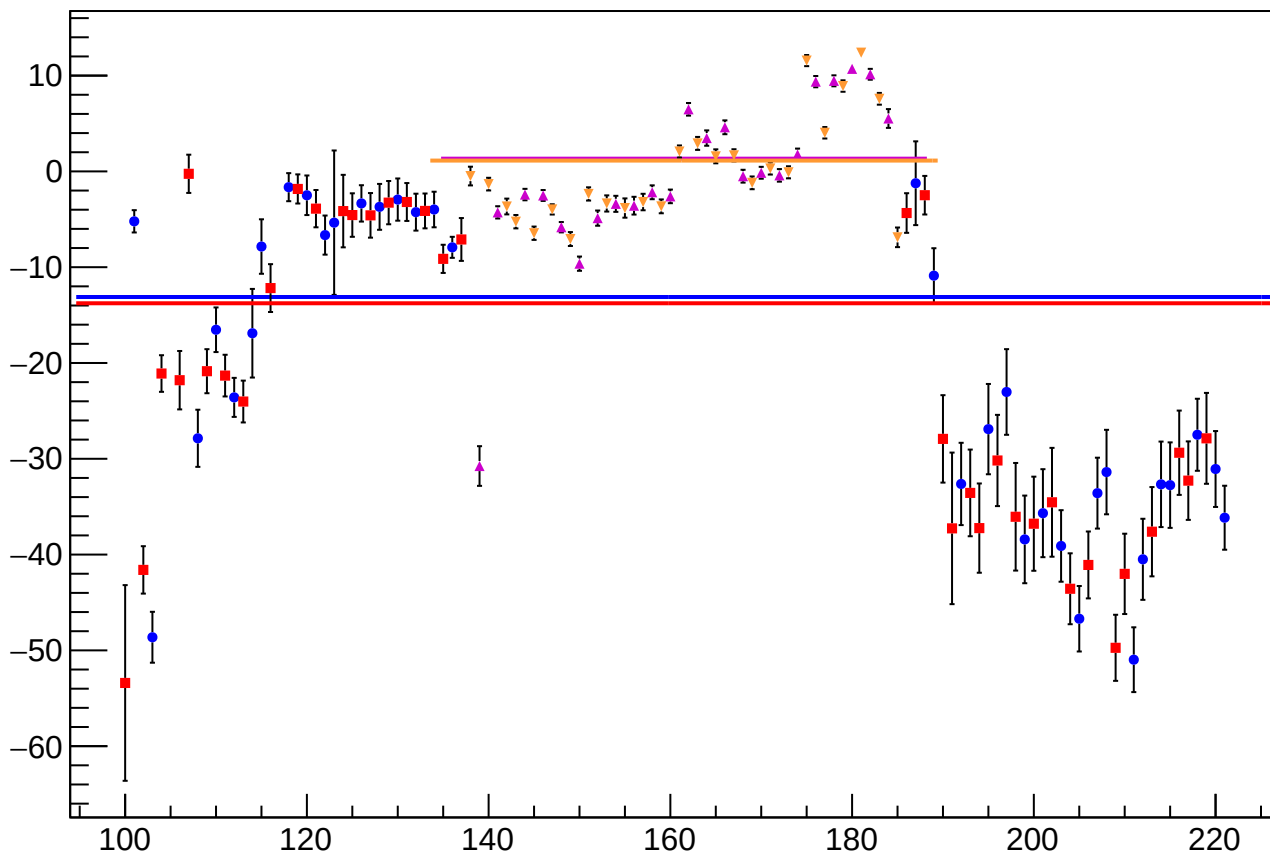
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -37.661 ± 0.163 χ^2/NDF : 4805.7/42

All: -37.205 ± 0.116 χ^2/NDF : 9345.0/83

- sign -36.728 ± 0.166 χ^2/NDF : 4523.2/40

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -13.112 ± 0.417 χ^2/NDF : 1089.8/34

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -13.766 ± 0.429 χ^2/NDF : 1002.2/36

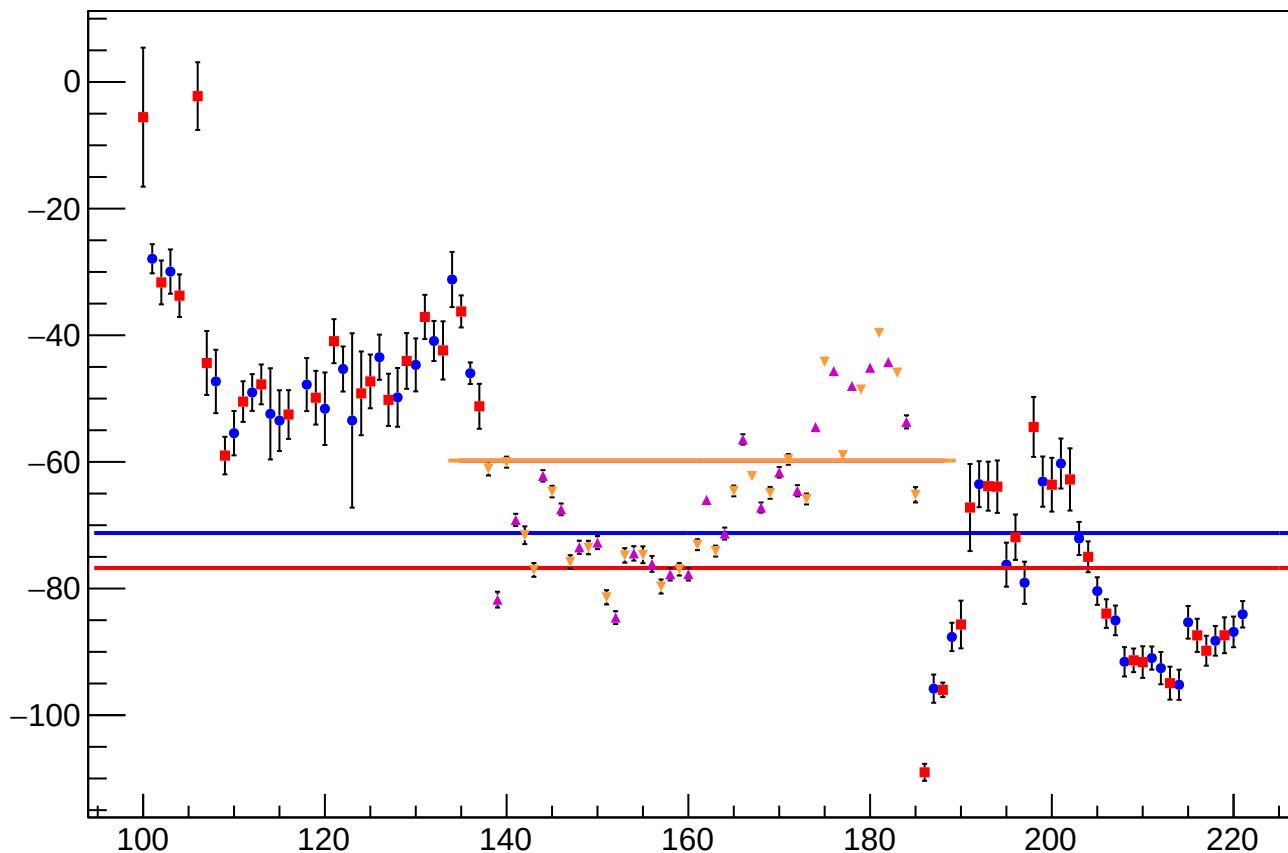
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign -0.241 ± 0.129 χ^2/NDF : 3945.3/59

All: -0.181 ± 0.093 χ^2/NDF : 8113.0/119

- sign -0.118 ± 0.133 χ^2/NDF : 4167.2/59

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -71.234 ± 0.483 χ^2/NDF : 2009.3/34

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -76.753 ± 0.472 χ^2/NDF : 2791.5/36

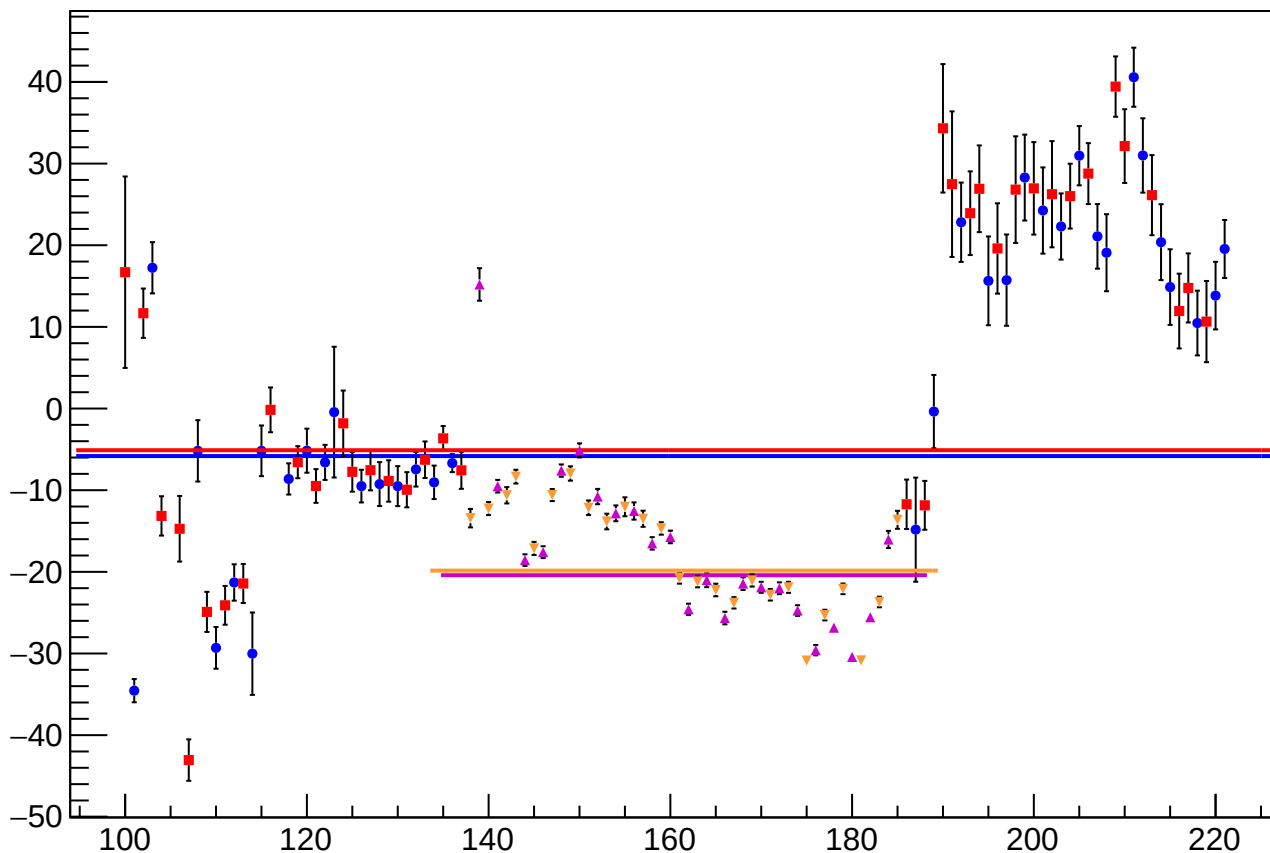
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -61.052 ± 0.160 χ^2/NDF : 8346.6/59

All: -61.429 ± 0.114 χ^2/NDF : 17503.8/119

- sign -61.817 ± 0.163 χ^2/NDF : 9146.1/59

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -5.821 ± 0.468 χ^2/NDF : 1372.1/34

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -5.106 ± 0.492 χ^2/NDF : 1130.5/36

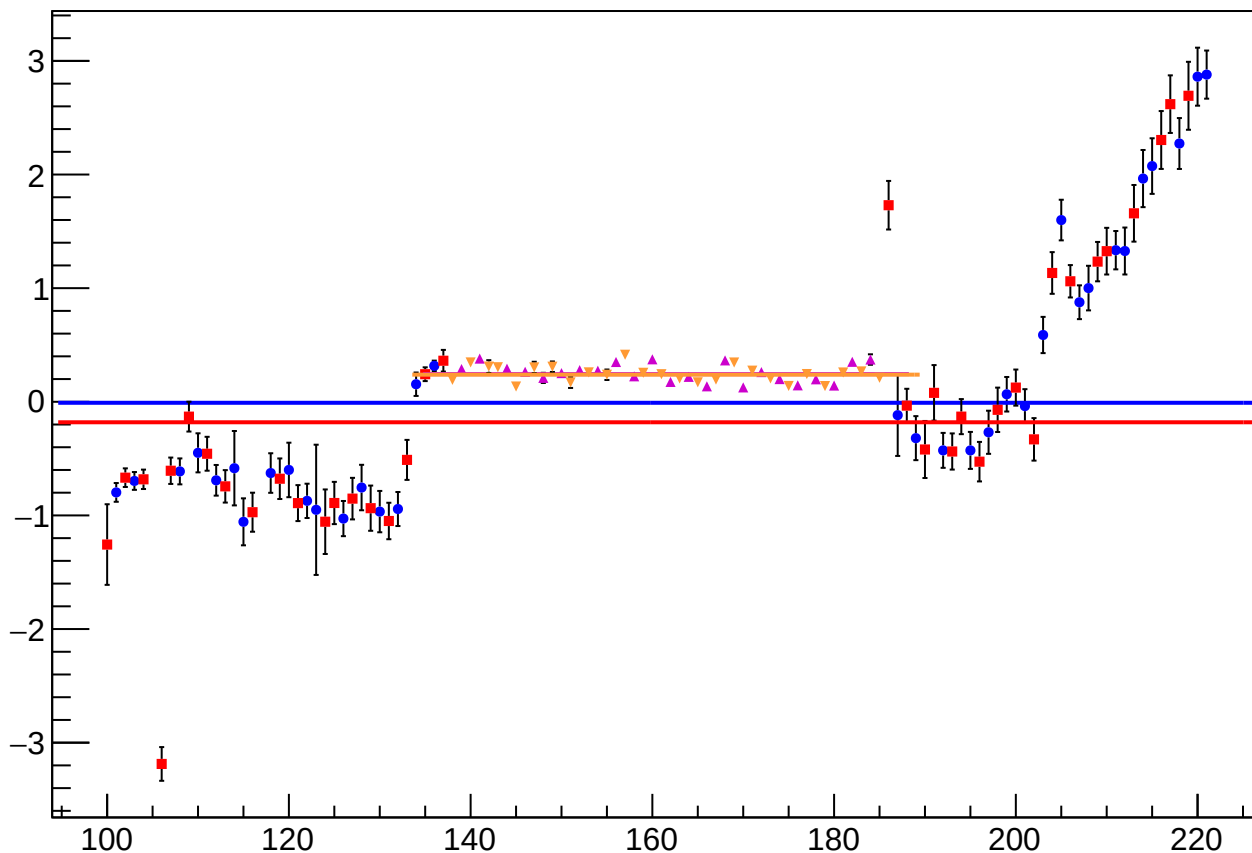
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -18.497 ± 0.145 χ^2/NDF : 4114.8/59

All: -18.743 ± 0.104 χ^2/NDF : 8431.0/119

- sign -19.002 ± 0.149 χ^2/NDF : 4310.4/59

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.009 ± 0.023 χ^2/NDF : 1318.8/34

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.180 ± 0.024 χ^2/NDF : 1443.4/36

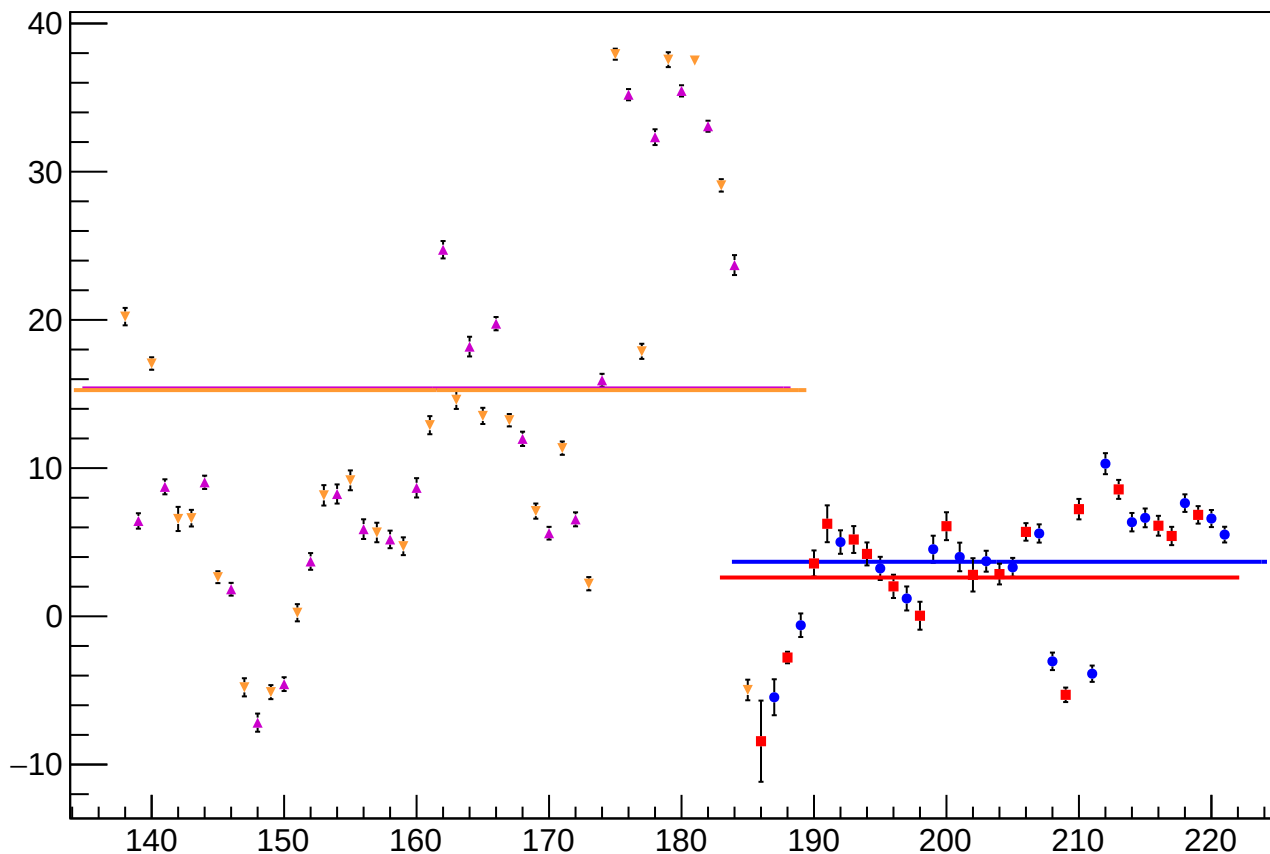
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.218 ± 0.007 χ^2/NDF : 1514.9/59

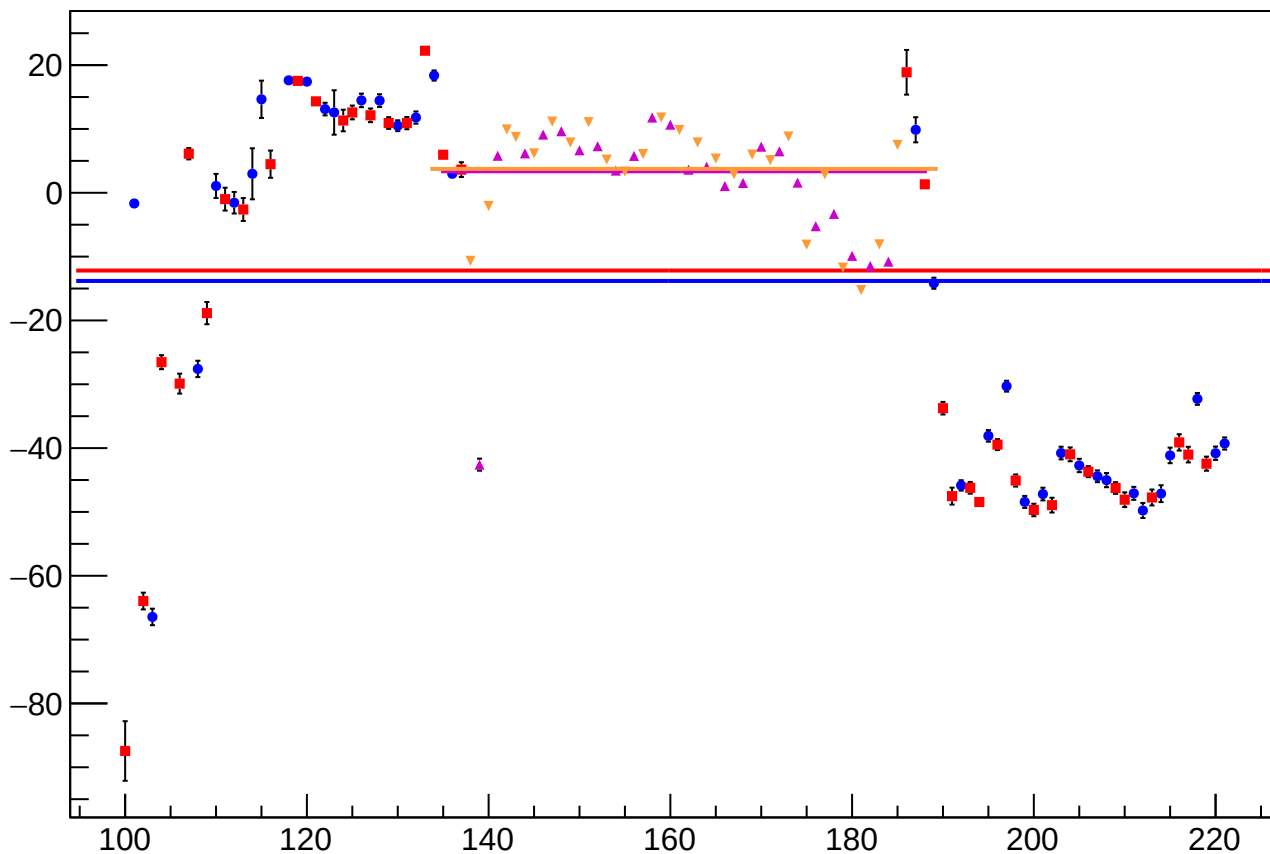
All: 0.214 ± 0.005 χ^2/NDF : 3381.8/119

- 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: -13.812 ± 0.160 χ^2/NDF : 28605.6/34

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -12.182 ± 0.157 χ^2/NDF : 33040.6/36

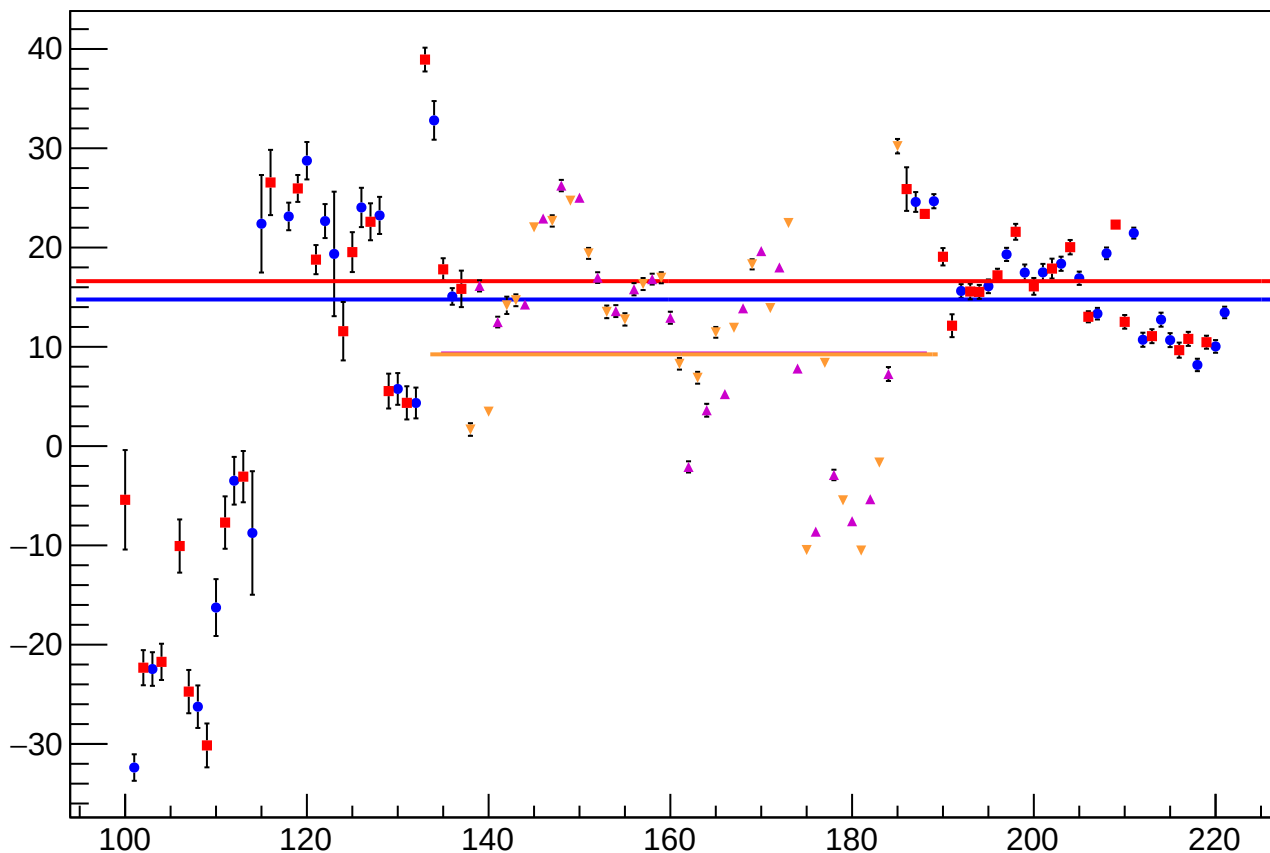
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 0.338 ± 0.071 χ^2/NDF : 47499.8/59

All: 0.213 ± 0.050 χ^2/NDF : 96809.2/119

- sign 0.082 ± 0.072 χ^2/NDF : 49302.9/59

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 14.767 $\pm$ 0.149 χ^2 /NDF: 3466.1/34

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

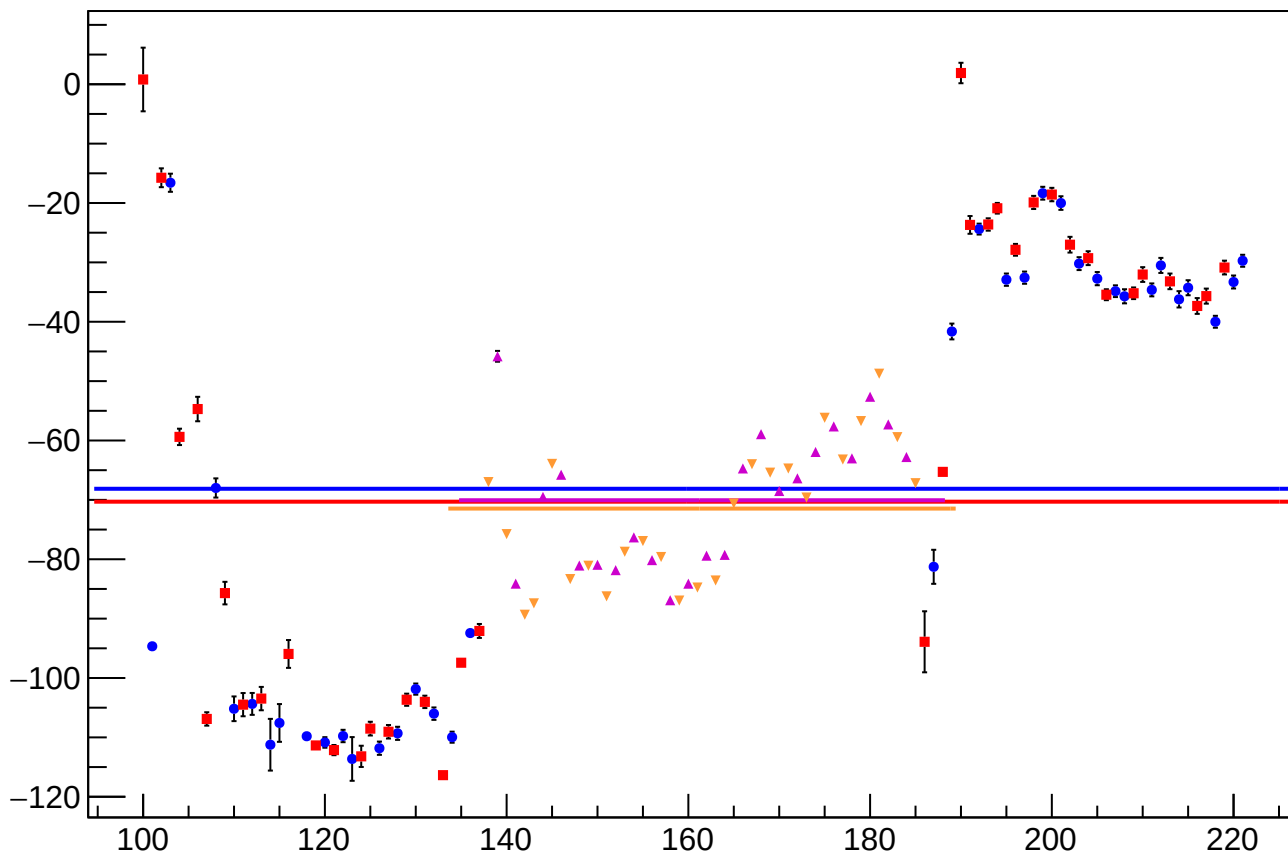
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.984 $\pm$ 0.083 χ^2 /NDF: 18044.7/59

All: 11.364 $\pm$ 0.059 χ^2 /NDF: 35319.5/119

- 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: -68.129 ± 0.182 χ^2/NDF : 40367.5/34

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -70.304 ± 0.182 χ^2/NDF : 46118.6/36

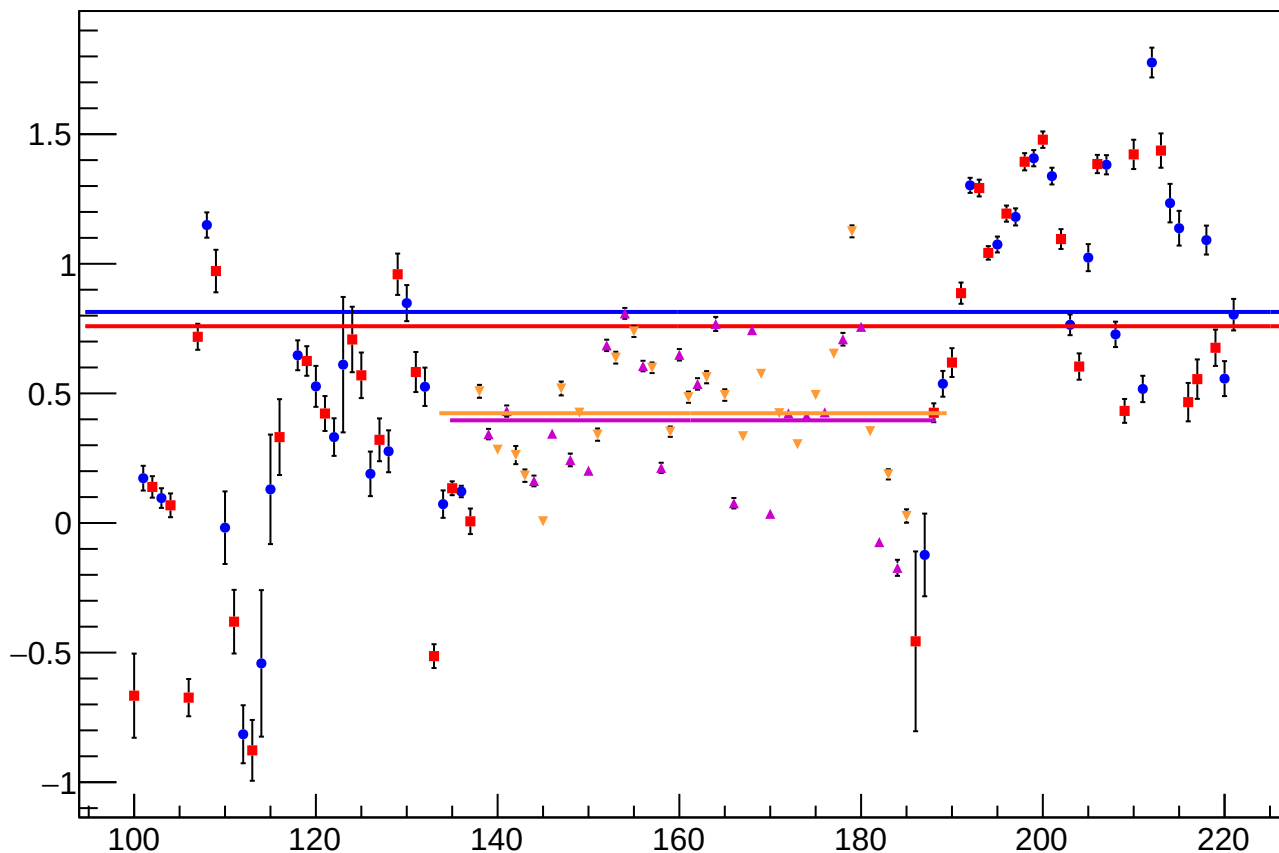
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -70.821 ± 0.080 χ^2/NDF : 57047.0/59

All: -70.473 ± 0.057 χ^2/NDF : 116264.0/119

- sign -70.110 ± 0.082 χ^2/NDF : 59178.6/59

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.814+/-0.008 χ^2/NDF : 4053.9/34

Left Out: 0.424+/-0.004 χ^2/NDF : 2885.0/24

Right Out: 0.759+/-0.008 χ^2/NDF : 5138.1/36

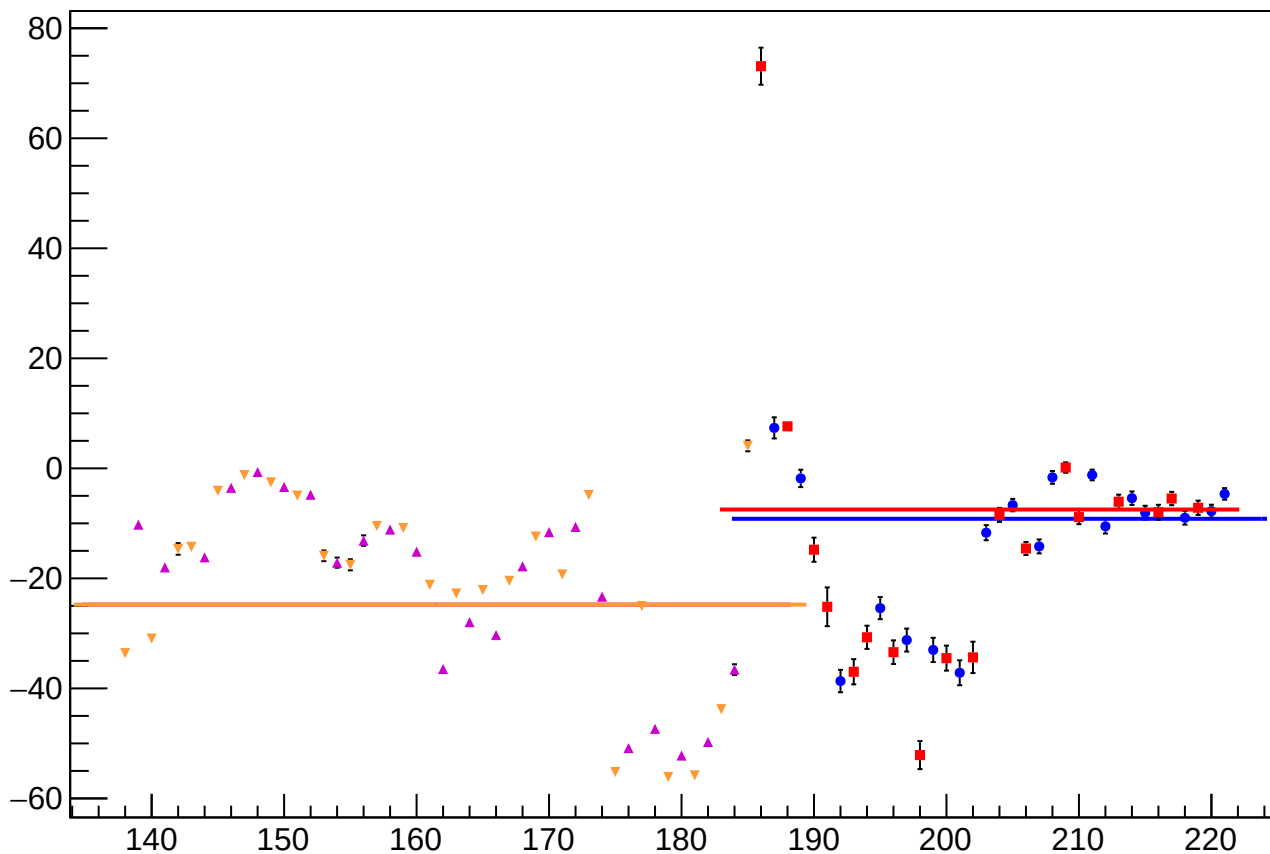
Left In: 0.396+/-0.004 χ^2/NDF : 4051.5/22

+ sign 0.502+/-0.004 χ^2/NDF : 8778.1/59

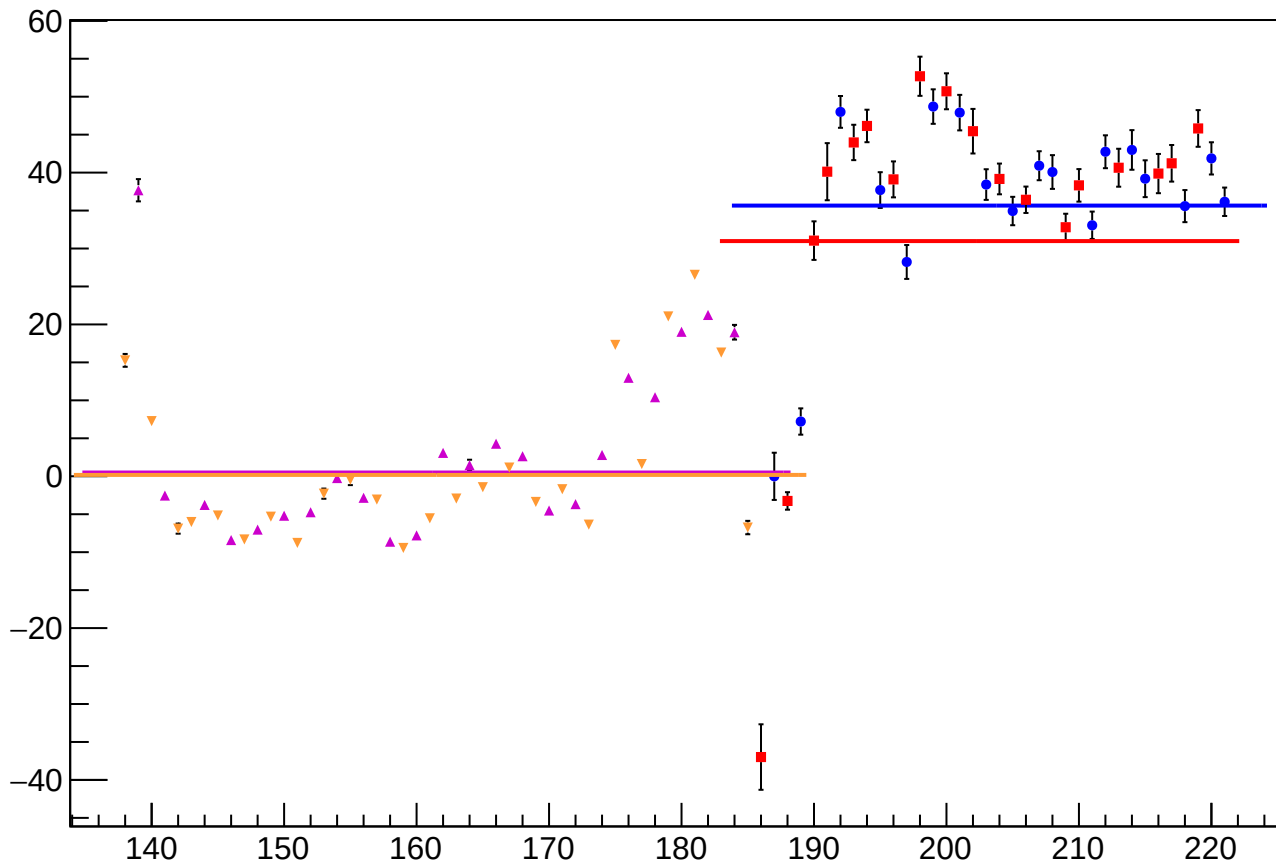
All: 0.489+/-0.003 χ^2/NDF : 19645.1/119

- sign 0.475+/-0.004 χ^2/NDF : 10838.9/59

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 35.655 ± 0.500 χ^2/NDF : 553.0/17

Left Out: 0.177 ± 0.109 χ^2/NDF : 8295.6/24

Right Out: 30.979 ± 0.512 χ^2/NDF : 1515.2/17

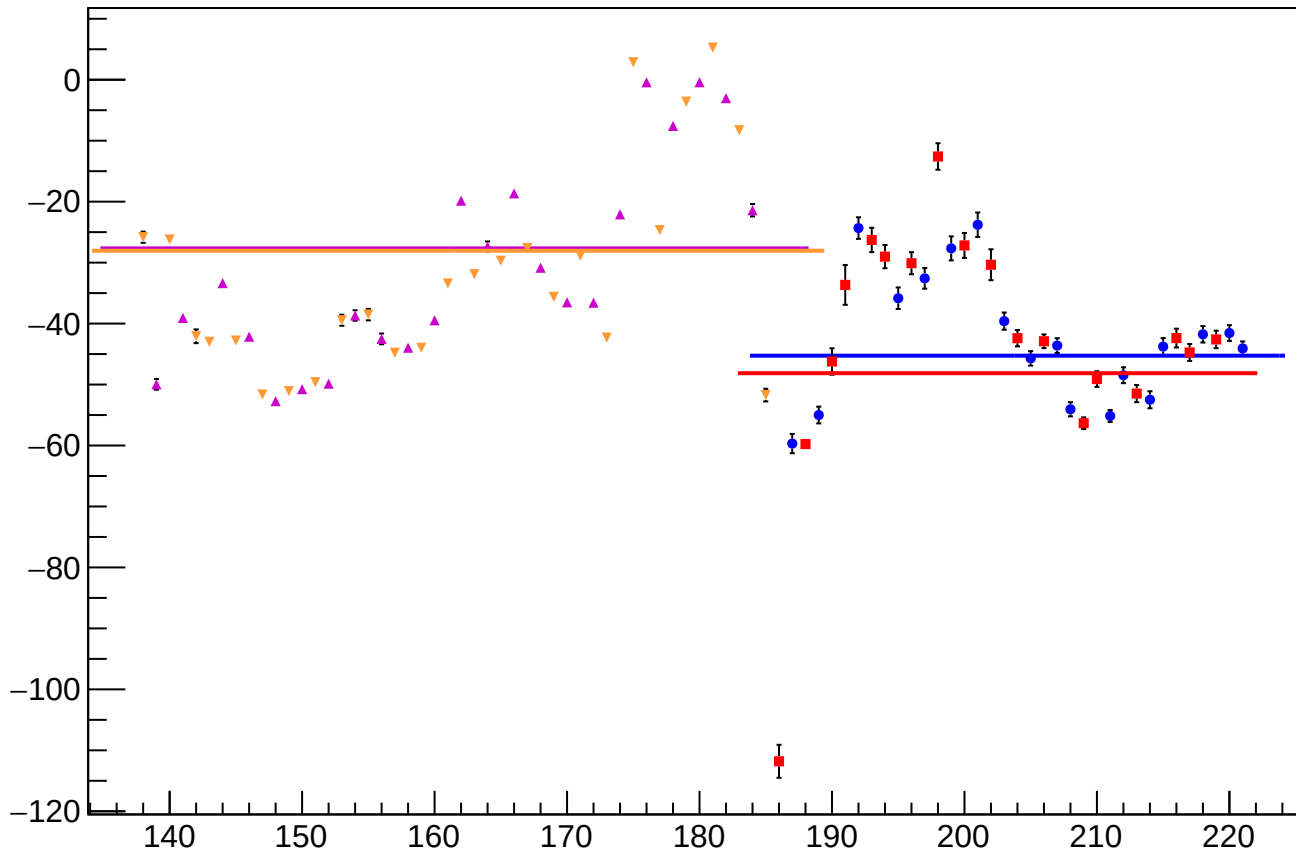
Left In: 0.493 ± 0.112 χ^2/NDF : 6555.4/22

+ sign 1.773 ± 0.106 χ^2/NDF : 13655.4/42

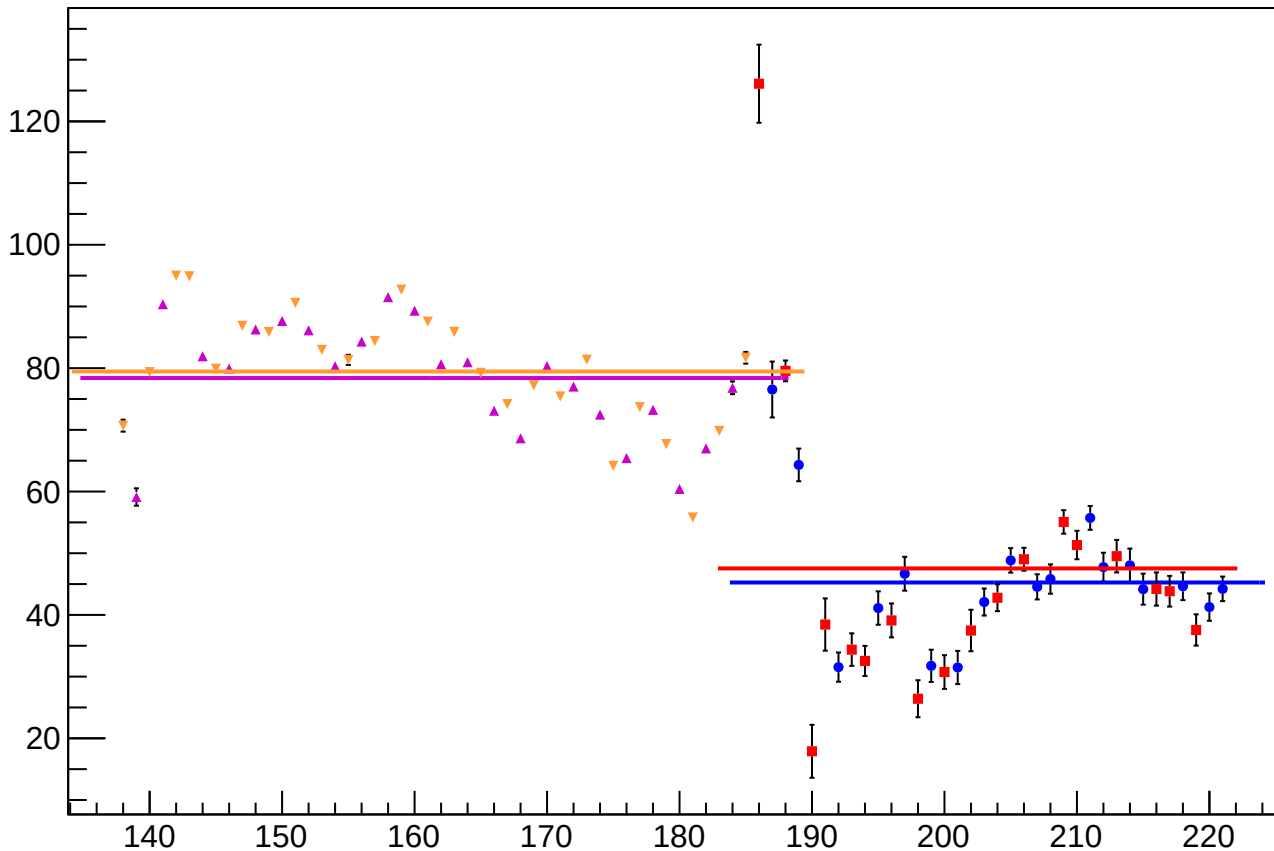
All: 1.829 ± 0.076 χ^2/NDF : 25113.6/83

- sign 1.890 ± 0.110 χ^2/NDF : 11457.6/40

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 45.257+/-0.559 χ^2/NDF : 229.5/17

Left Out: 79.456+/-0.123 χ^2/NDF : 6077.1/24

Right Out: 47.532+/-0.595 χ^2/NDF : 779.0/17

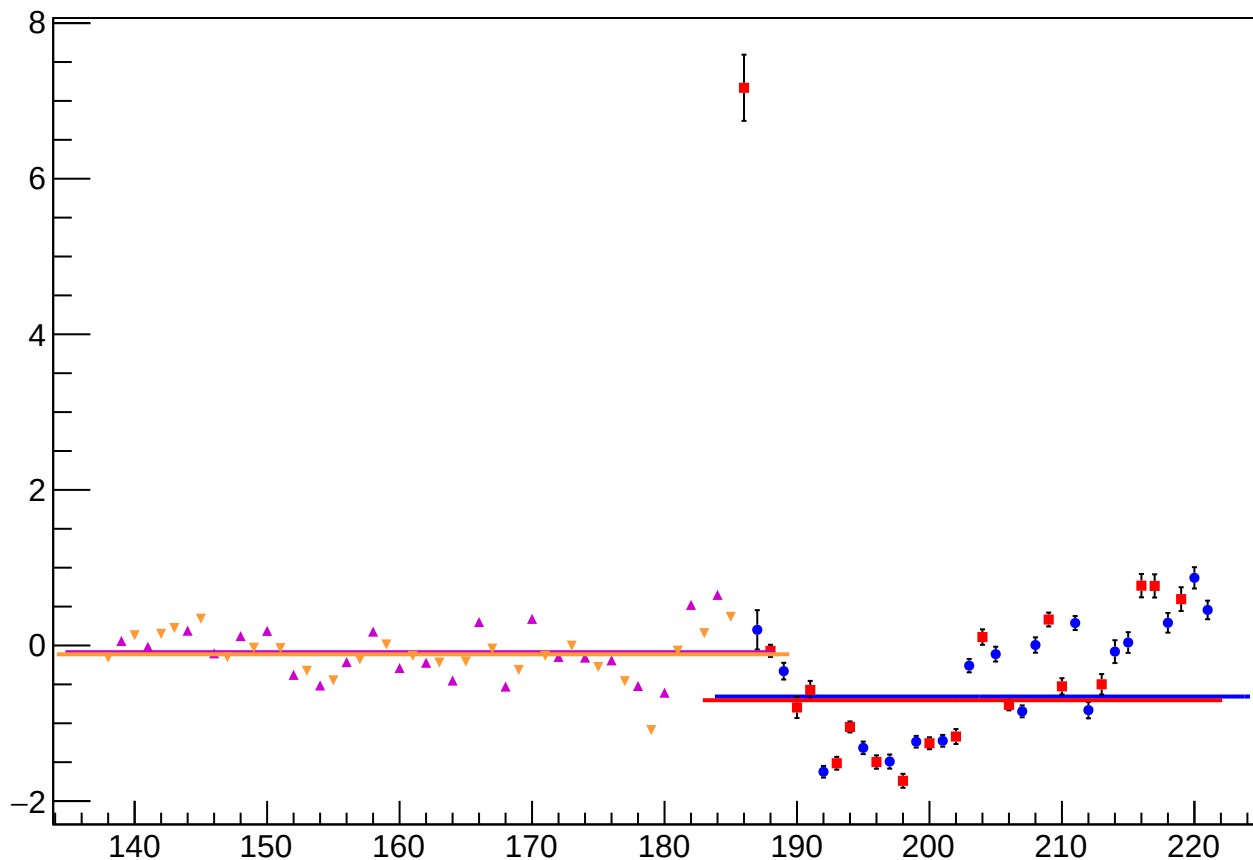
Left In: 78.396+/-0.127 χ^2/NDF : 4707.3/22

+ sign 77.871+/-0.120 χ^2/NDF : 9878.7/42

All: 77.475+/-0.086 χ^2/NDF : 17964.8/83

- sign 77.055+/-0.124 χ^2/NDF : 8063.8/40

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.656 ± 0.023 χ^2/NDF : 983.0/17

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.704 ± 0.023 χ^2/NDF : 1298.5/17

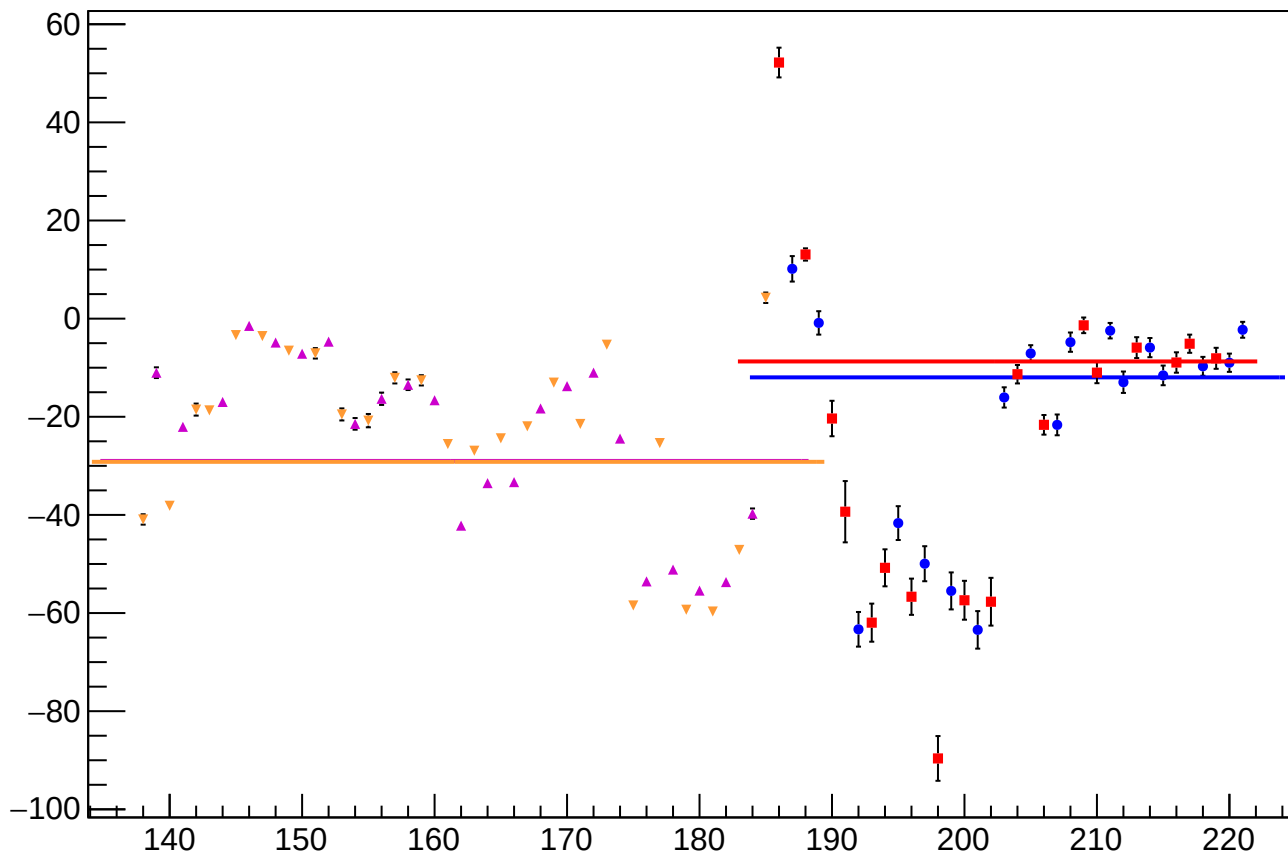
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.145 ± 0.006 χ^2/NDF : 3820.3/42

All: -0.134 ± 0.004 χ^2/NDF : 8936.0/83

- sign -0.123 ± 0.006 χ^2/NDF : 5107.7/40

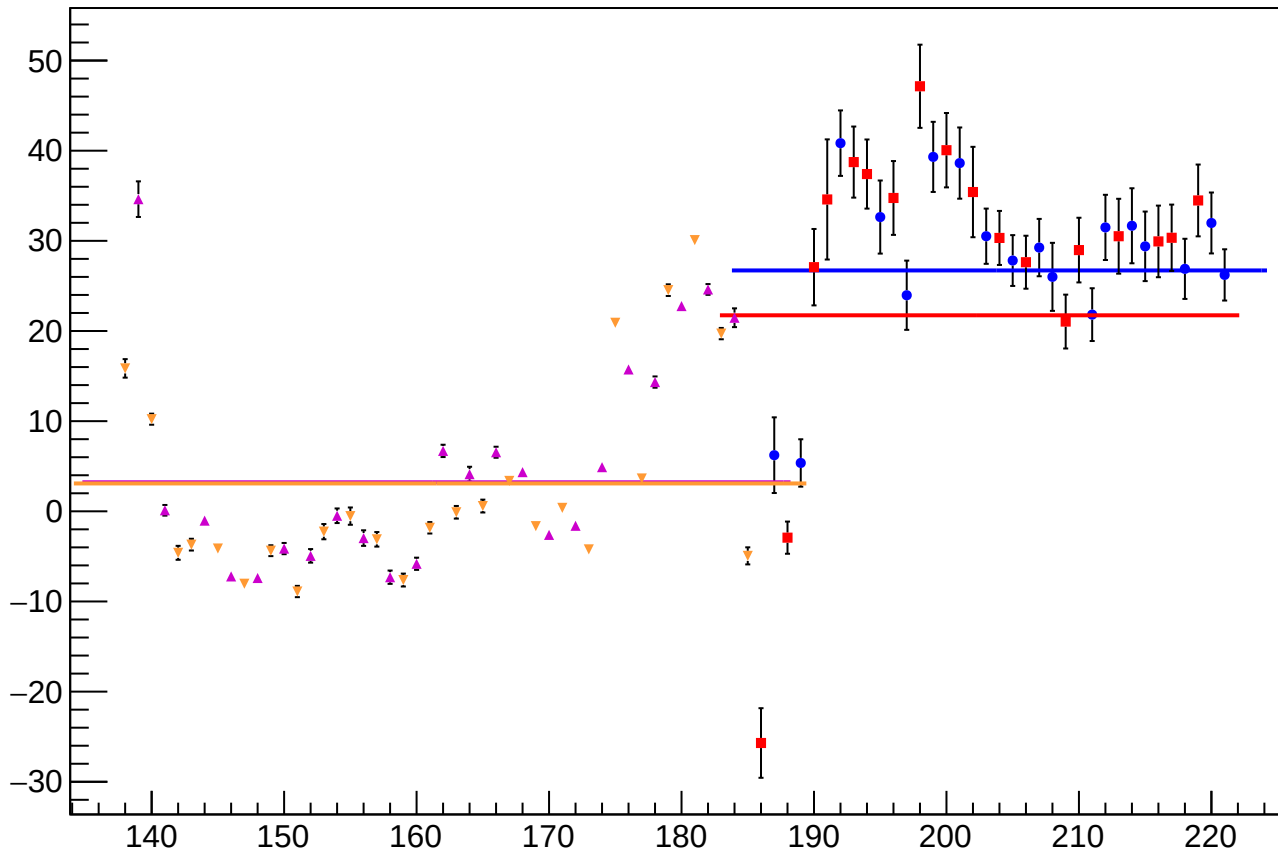
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -11.968 ± 0.510 $\chi^2/\text{NDF}: 939.6/17$
 Left Out: -29.180 ± 0.157 $\chi^2/\text{NDF}: 16912.2/24$
 Right Out: -8.723 ± 0.549 $\chi^2/\text{NDF}: 1861.7/17$
 Left In: -29.003 ± 0.160 $\chi^2/\text{NDF}: 13416.8/22$

+ sign -27.696 ± 0.150 $\chi^2/\text{NDF}: 18891.4/42$
 All: -27.560 ± 0.107 $\chi^2/\text{NDF}: 35429.5/83$
 - sign -27.419 ± 0.153 $\chi^2/\text{NDF}: 16536.4/40$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 26.718 ± 0.801 $\chi^2/\text{NDF}: 138.5/17$

Left Out: 3.091 ± 0.124 $\chi^2/\text{NDF}: 8084.1/24$

Right Out: 21.742 ± 0.824 $\chi^2/\text{NDF}: 490.8/17$

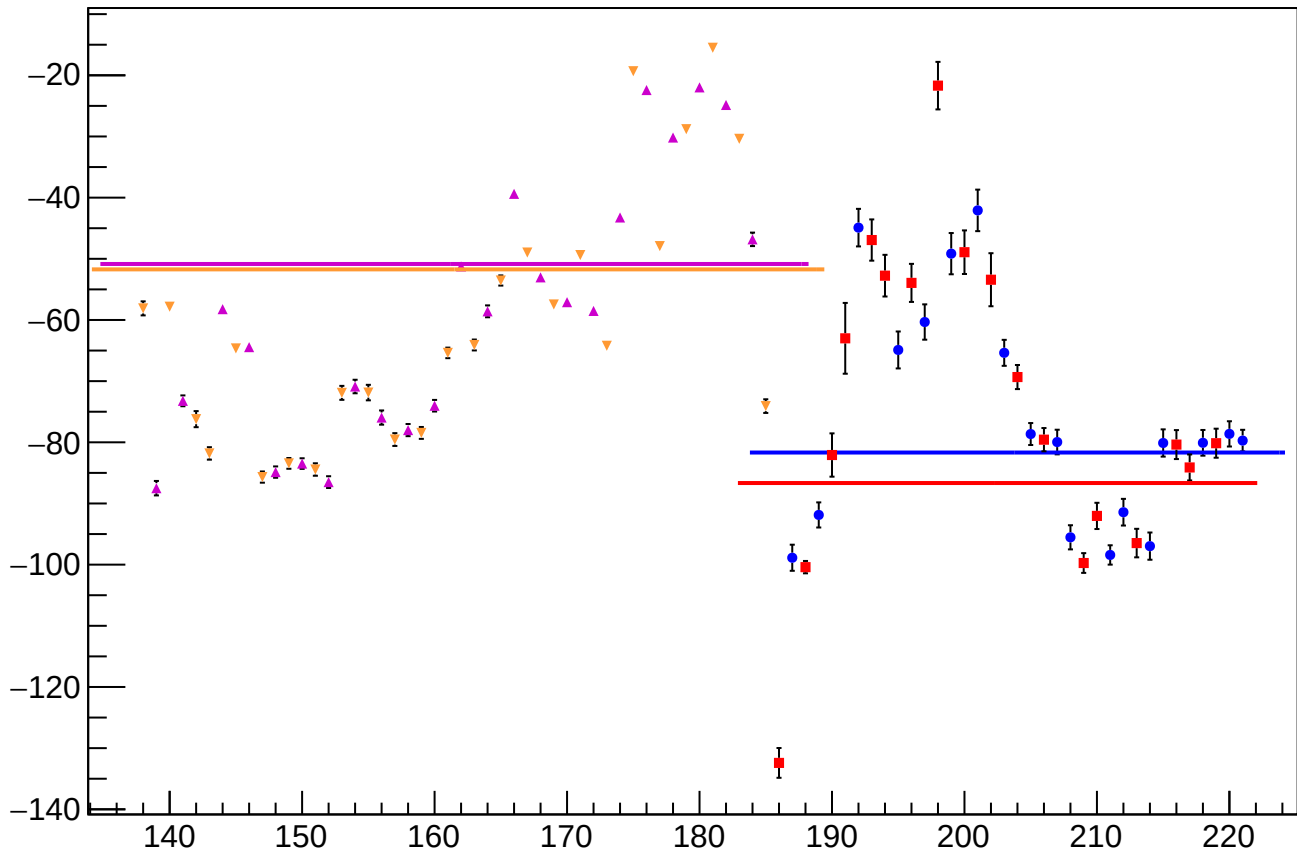
Left In: 3.221 ± 0.127 $\chi^2/\text{NDF}: 6237.6/22$

+ sign 3.647 ± 0.123 $\chi^2/\text{NDF}: 9071.5/42$

All: 3.649 ± 0.088 $\chi^2/\text{NDF}: 16293.2/83$

- sign 3.650 ± 0.125 $\chi^2/\text{NDF}: 7221.7/40$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -81.671 ± 0.513 χ^2/NDF : 842.9/17

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -86.657 ± 0.525 χ^2/NDF : 1552.3/17

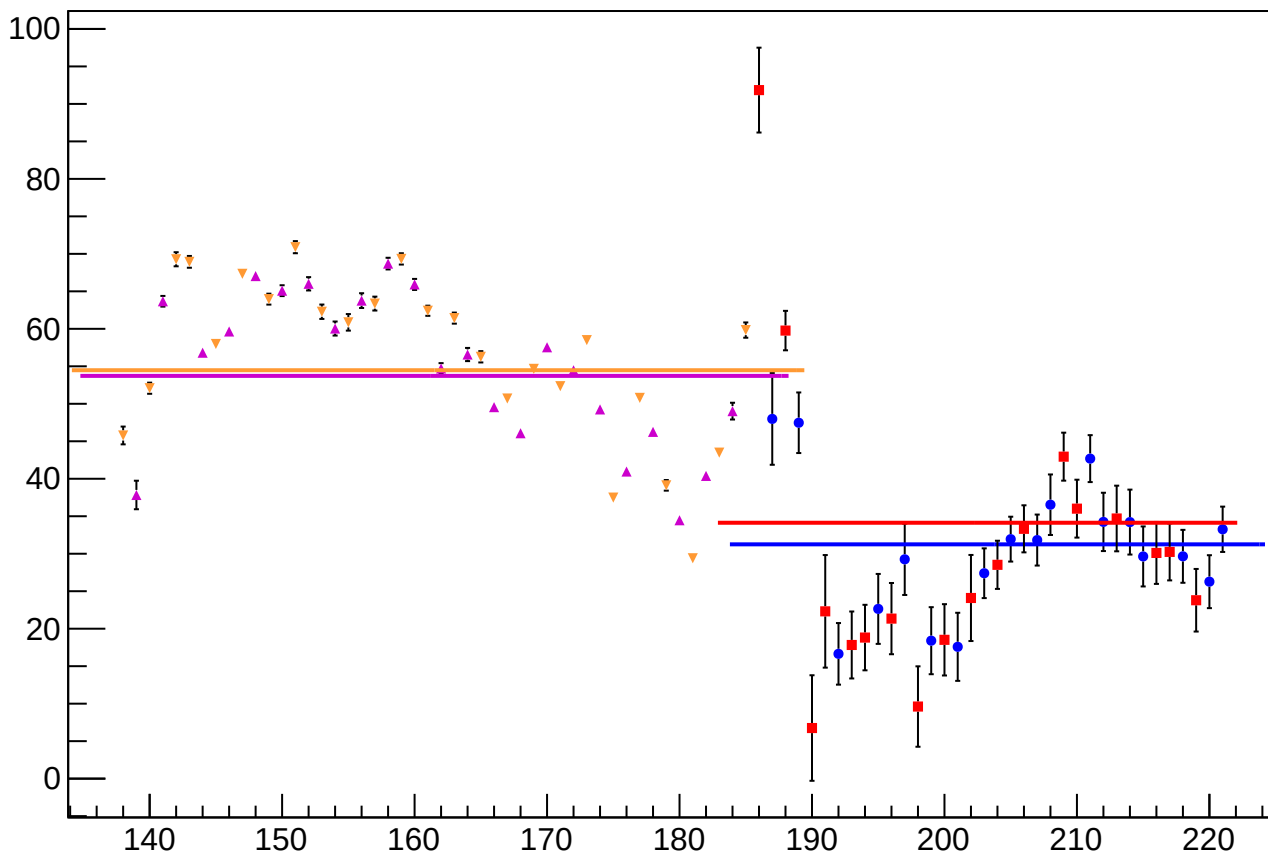
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -54.319 ± 0.151 χ^2/NDF : 23491.2/42

All: -54.109 ± 0.107 χ^2/NDF : 46578.8/83

- sign -53.893 ± 0.153 χ^2/NDF : 23083.7/40

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 31.252 $\pm$ 0.898 χ^2 /NDF: 77.5/17

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

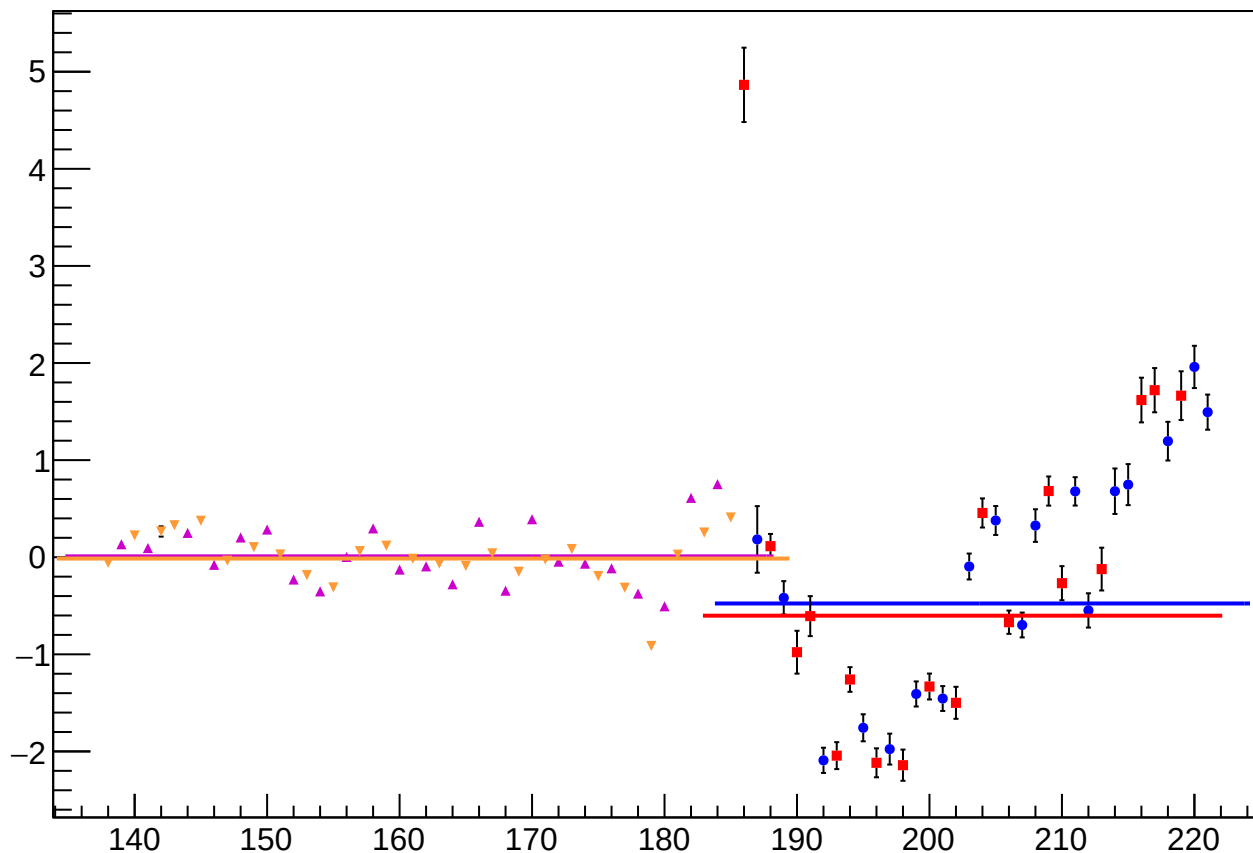
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF: 4585.7/22

+ sign 53.923 $\pm$ 0.139 χ^2 /NDF: 6997.3/42

All: 53.620 $\pm$ 0.099 χ^2 /NDF: 12297.9/83

- sign 53.303 $\pm$ 0.142 χ^2 /NDF: 5290.8/40

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.476 ± 0.038 χ^2/NDF : 944.1/17

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -0.602 ± 0.039 χ^2/NDF : 1038.5/17

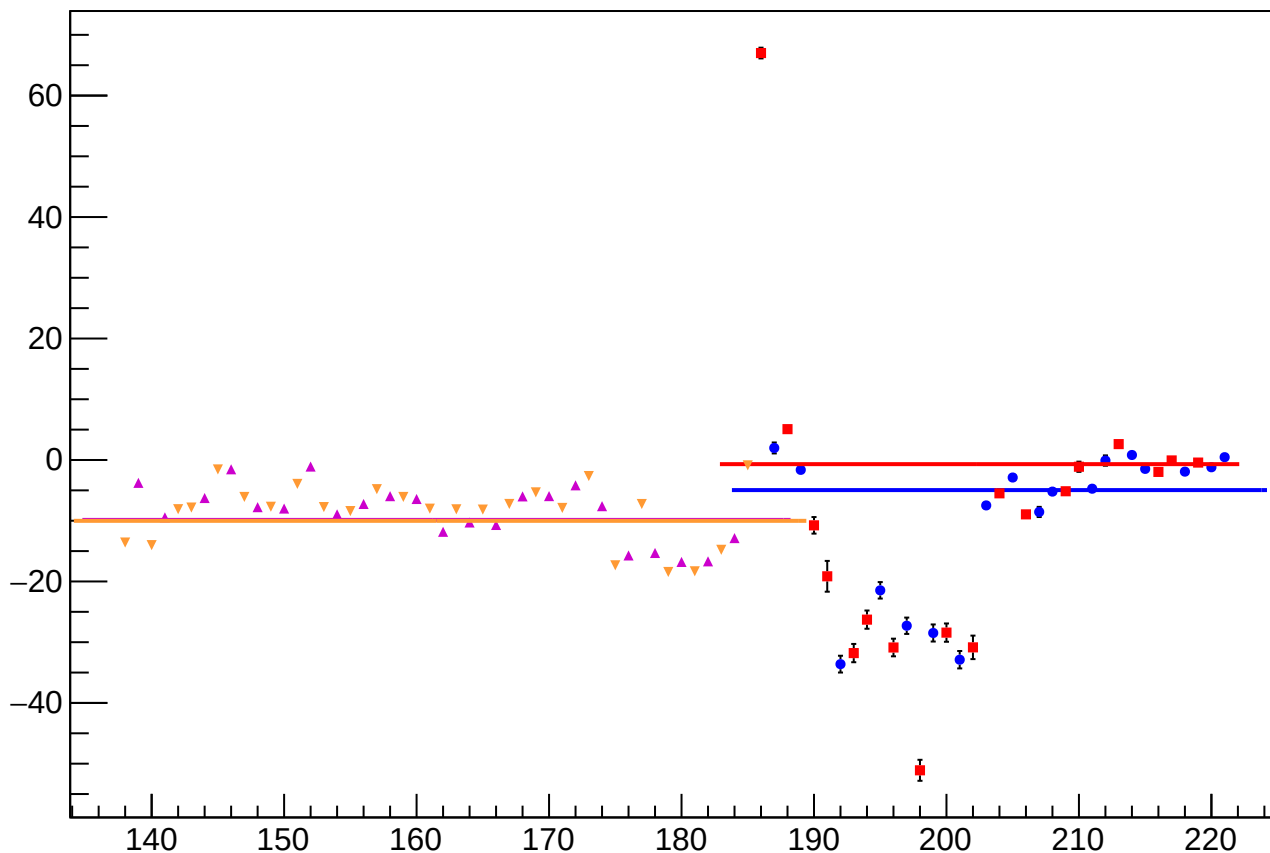
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.027 ± 0.006 χ^2/NDF : 2746.1/42

All: -0.018 ± 0.005 χ^2/NDF : 6252.8/83

- sign -0.008 ± 0.006 χ^2/NDF : 3502.3/40

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.956 ± 0.192 χ^2/NDF : 1874.9/17

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: -0.684 ± 0.205 χ^2/NDF : 8936.9/17

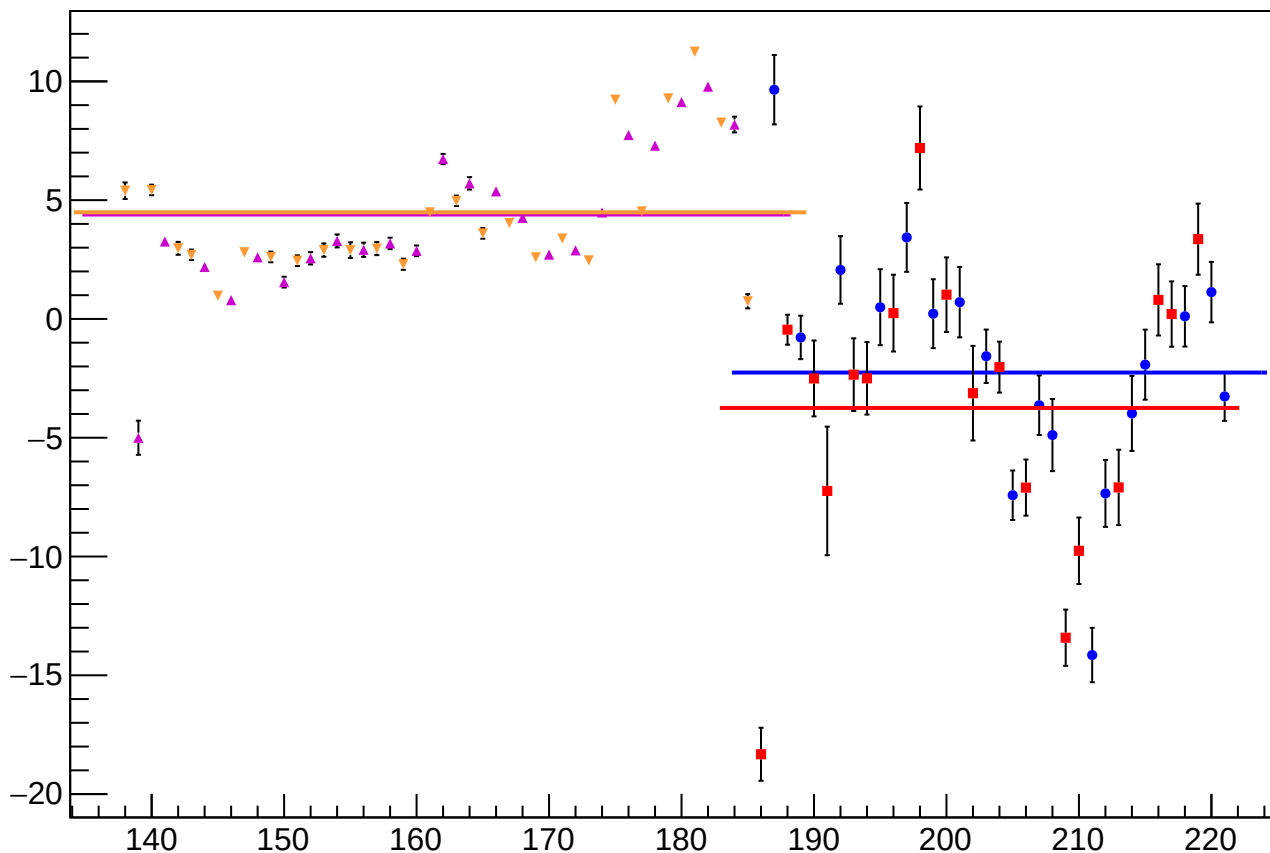
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.688 ± 0.049 χ^2/NDF : 15077.1/42

All: -9.507 ± 0.035 χ^2/NDF : 35280.6/83

- sign -9.321 ± 0.050 χ^2/NDF : 20175.9/40

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: -2.256 ± 0.301 χ^2/NDF : 266.5/17

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -3.746 ± 0.306 χ^2/NDF : 396.7/17

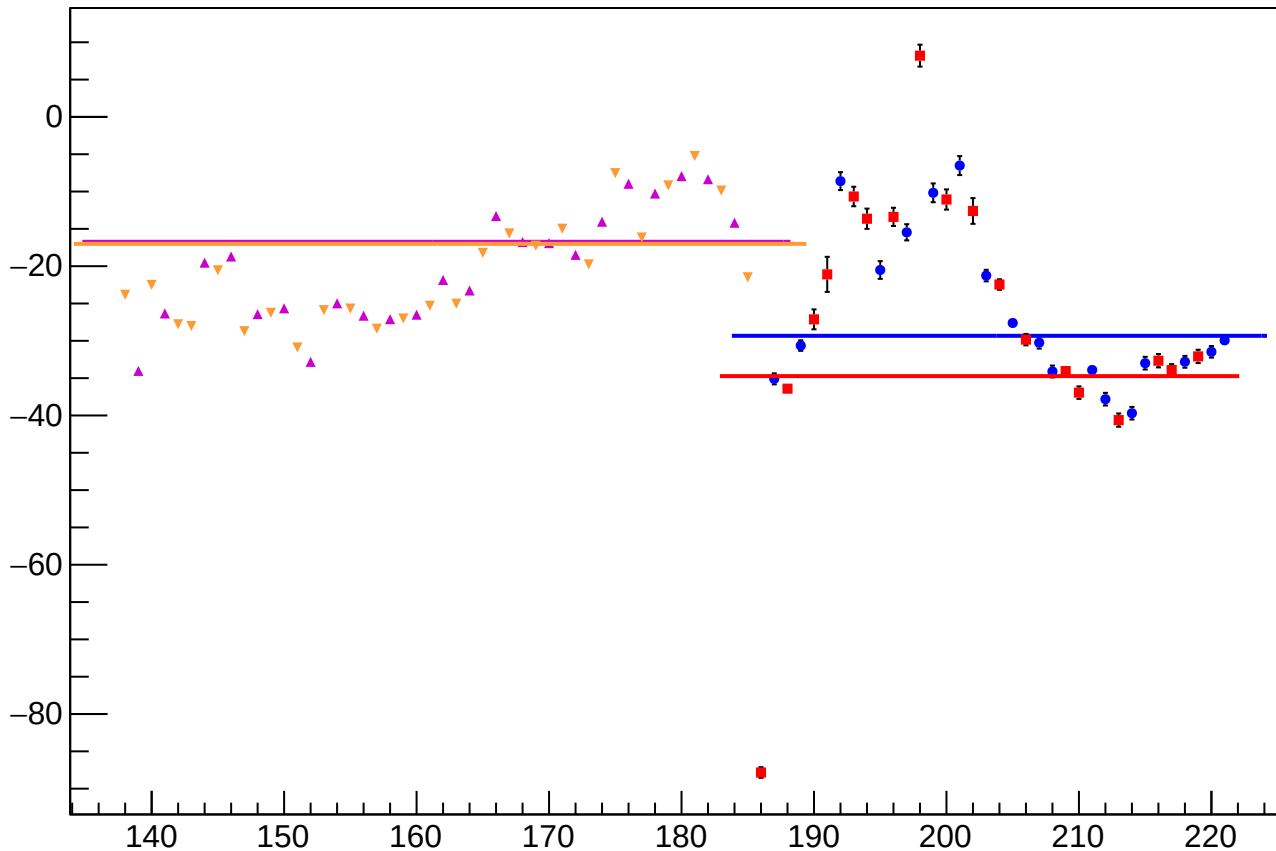
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.368 ± 0.040 χ^2/NDF : 5592.6/42

All: 4.310 ± 0.029 χ^2/NDF : 10920.5/83

- sign 4.251 ± 0.041 χ^2/NDF : 5323.8/40

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -29.328 ± 0.193 $\chi^2/\text{NDF}: 1637.9/17$

Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$

Right Out: -34.729 ± 0.194 $\chi^2/\text{NDF}: 8284.3/17$

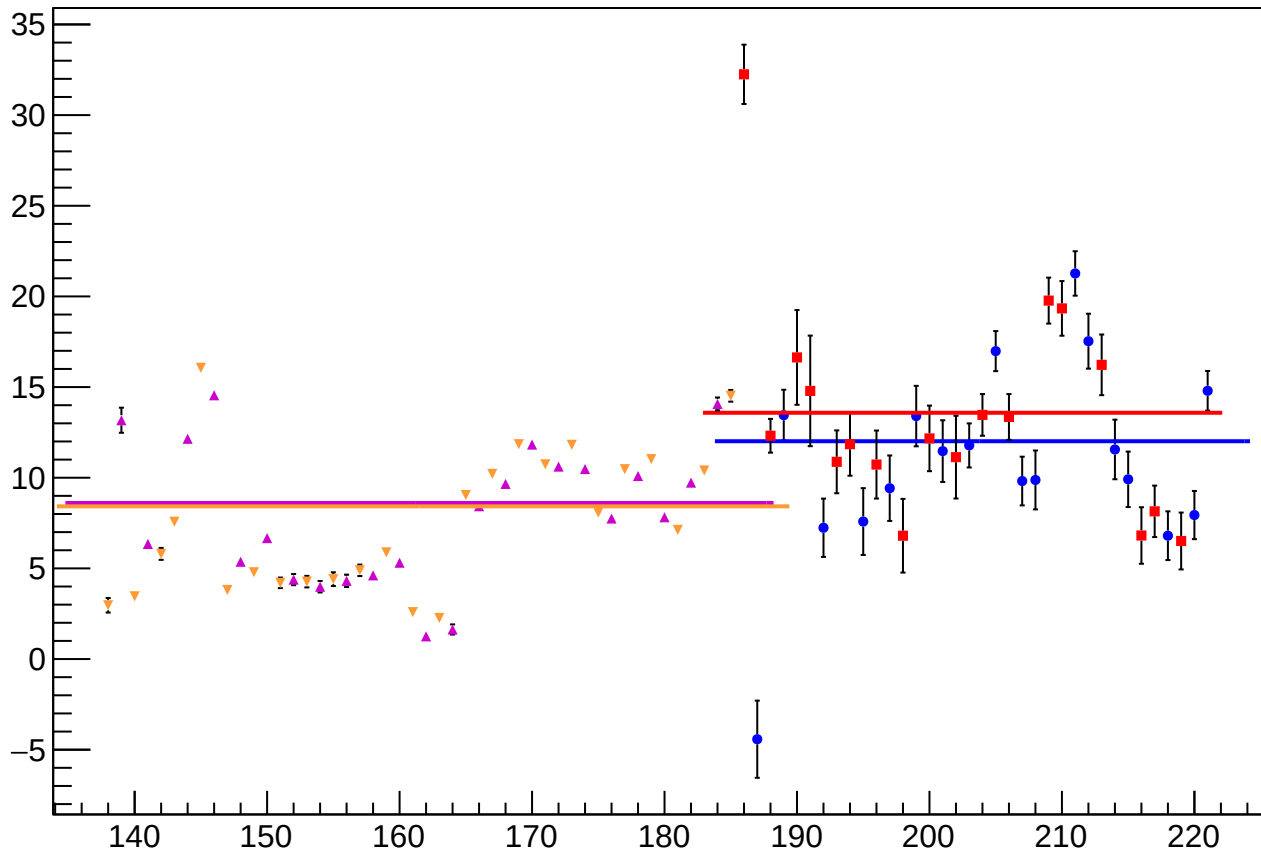
Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.816 ± 0.049 $\chi^2/\text{NDF}: 27546.1/42$

All: -17.866 ± 0.035 $\chi^2/\text{NDF}: 62646.4/83$

- sign -17.918 ± 0.050 $\chi^2/\text{NDF}: 35098.2/40$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 12.013 $\pm$ 0.339 χ^2 /NDF: 206.1/17

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

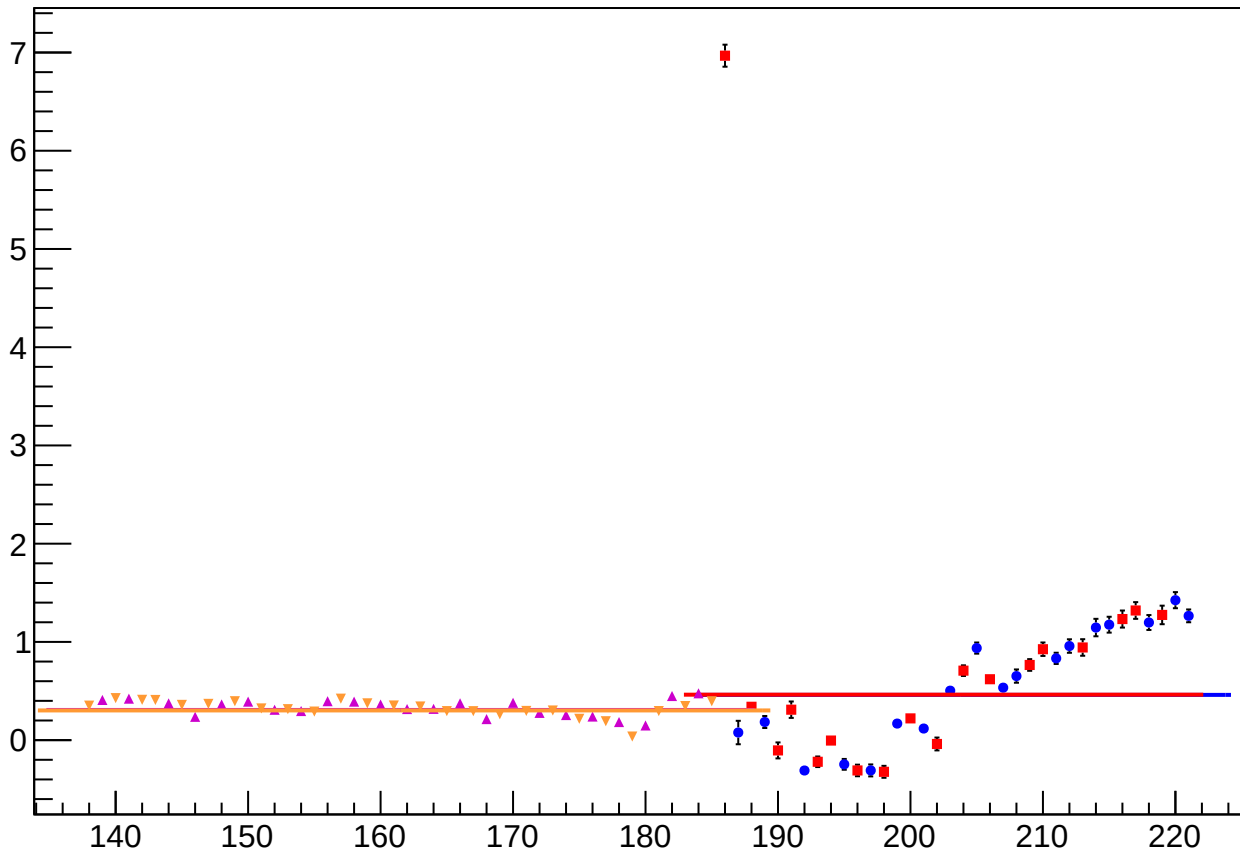
Left In: 8.606 $\pm$ 0.046 χ^2 /NDF: 5504.2/22

+ sign 8.486 $\pm$ 0.045 χ^2 /NDF: 6786.6/42

All: 8.584 $\pm$ 0.032 χ^2 /NDF: 12732.6/83

- sign 8.686 $\pm$ 0.046 χ^2 /NDF: 5936.3/40

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.461 ± 0.014 χ^2/NDF : 1369.6/17

Left Out: 0.302 ± 0.002 χ^2/NDF : 1590.9/24

Right Out: 0.463 ± 0.015 χ^2/NDF : 4476.1/17

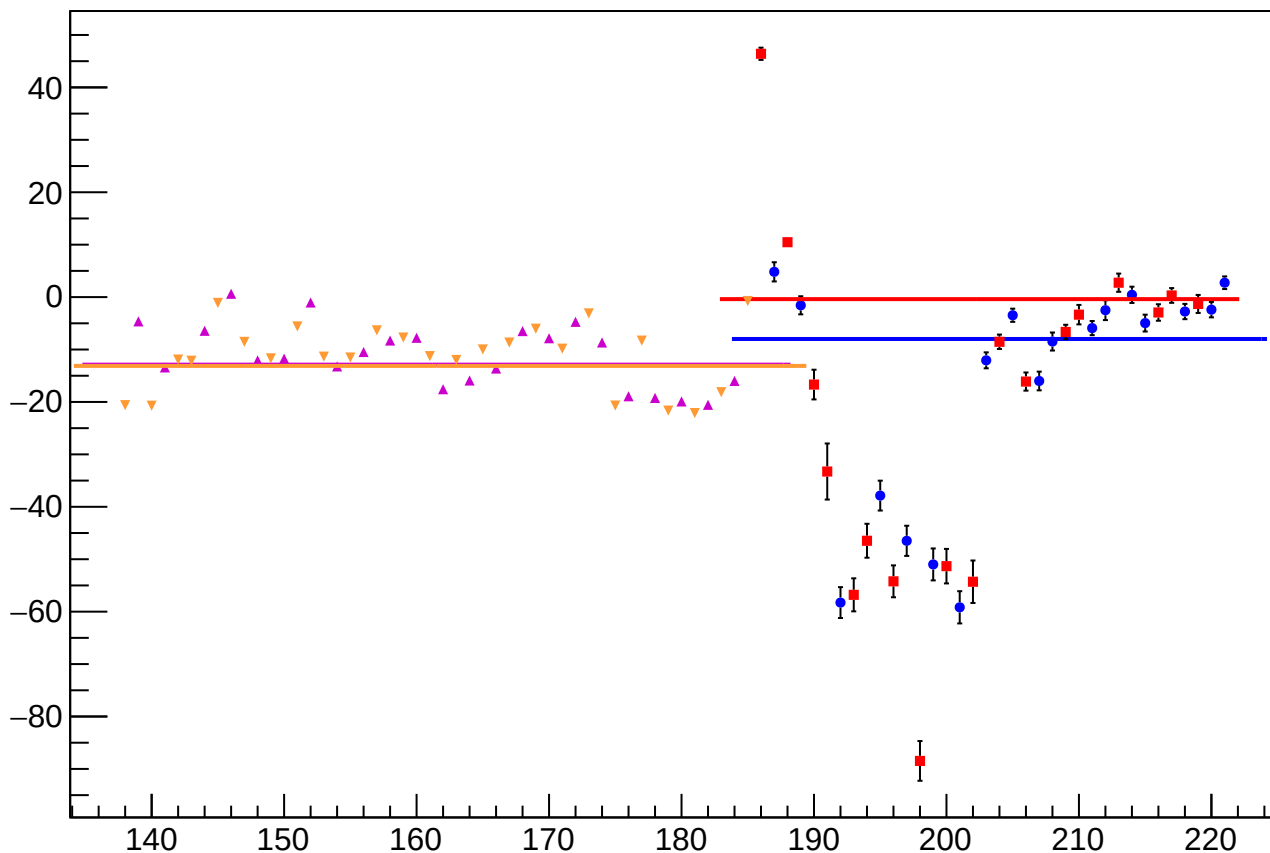
Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.306 ± 0.002 χ^2/NDF : 3080.0/42

All: 0.308 ± 0.001 χ^2/NDF : 9366.7/83

- sign 0.310 ± 0.002 χ^2/NDF : 6284.2/40

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -7.987+/-0.402 χ^2/NDF : 1311.0/17

Left Out: -13.125+/-0.094 χ^2/NDF : 5977.6/24

Right Out: -0.387+/-0.414 χ^2/NDF : 3755.8/17

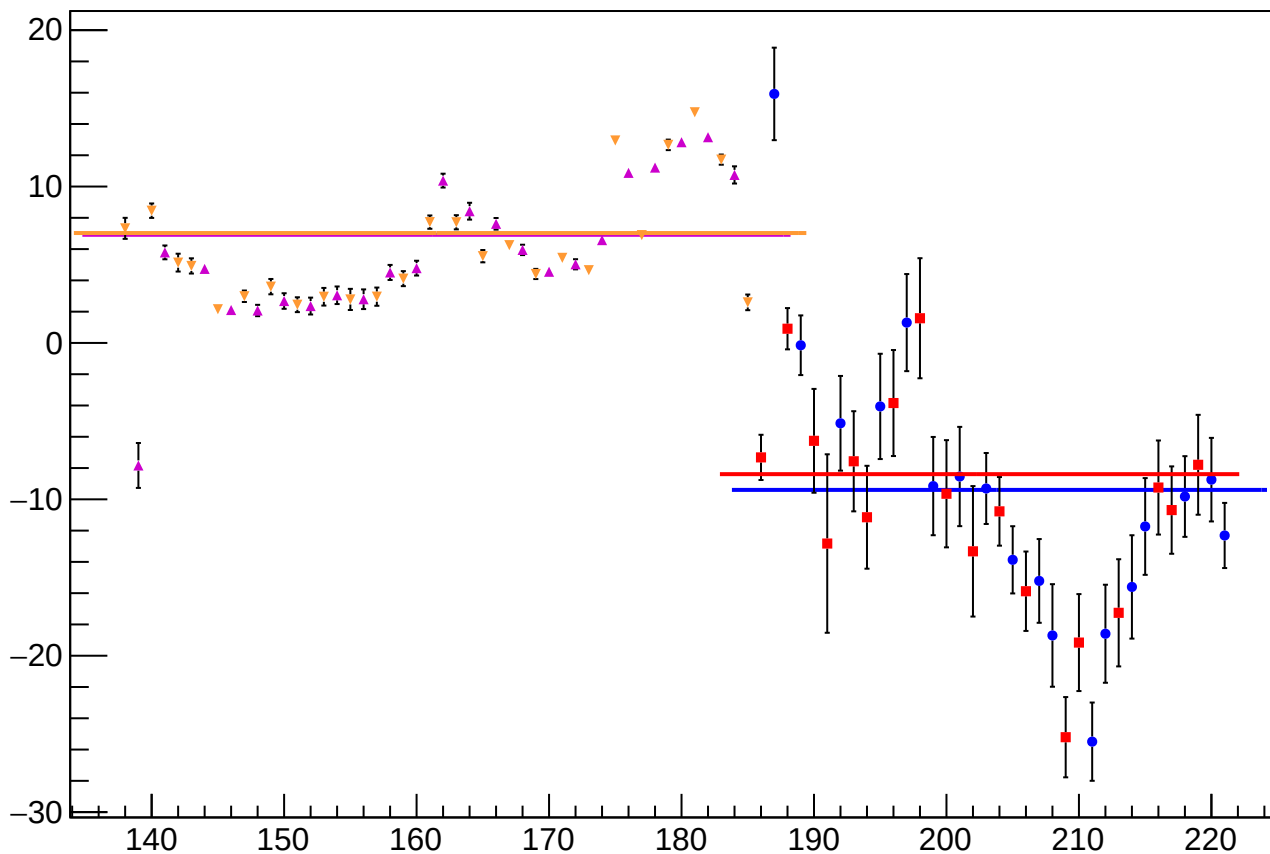
Left In: -12.885+/-0.095 χ^2/NDF : 4776.2/22

+ sign -12.861+/-0.091 χ^2/NDF : 7443.3/42

All: -12.565+/-0.065 χ^2/NDF : 16863.0/83

- sign -12.258+/-0.093 χ^2/NDF : 9398.2/40

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -9.397 ± 0.631 χ^2/NDF : 186.5/17

Left Out: 7.028 ± 0.077 χ^2/NDF : 2665.3/24

Right Out: -8.390 ± 0.608 χ^2/NDF : 134.5/17

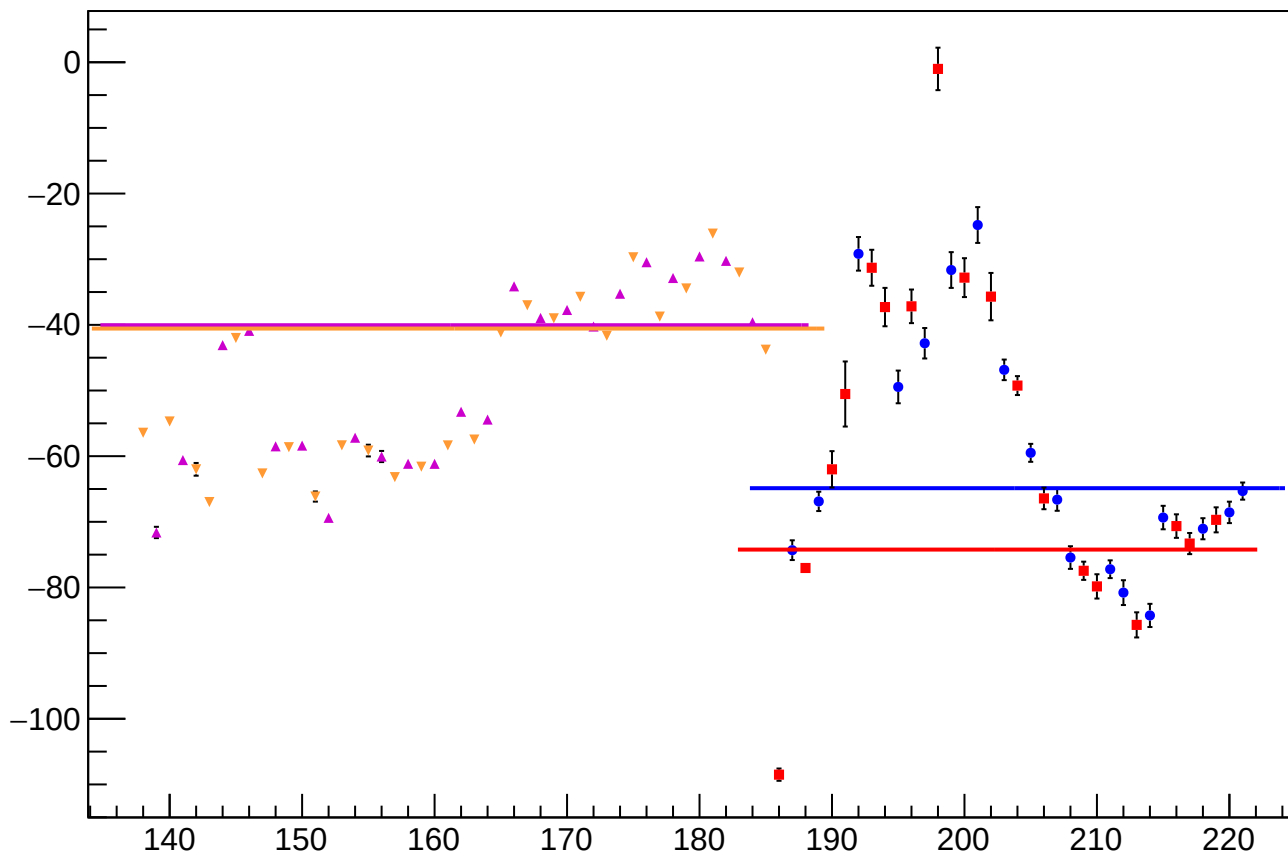
Left In: 6.914 ± 0.078 χ^2/NDF : 2428.2/22

+ sign 6.786 ± 0.077 χ^2/NDF : 3519.6/42

All: 6.727 ± 0.054 χ^2/NDF : 6706.3/83

- sign 6.668 ± 0.077 χ^2/NDF : 3185.5/40

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -64.876 ± 0.405 χ^2/NDF : 1216.8/17

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -74.228 ± 0.387 χ^2/NDF : 3219.0/17

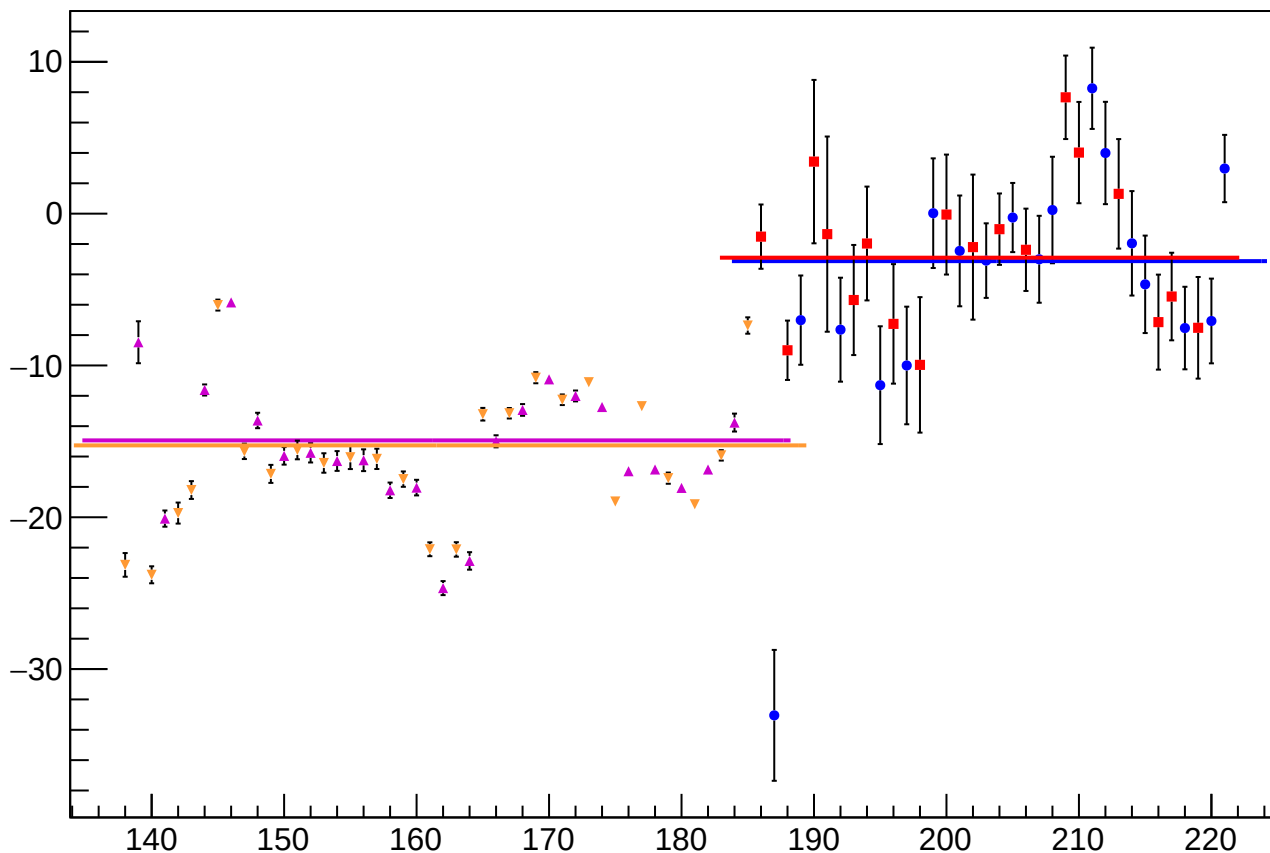
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -41.826 ± 0.092 χ^2/NDF : 20278.4/42

All: -41.924 ± 0.065 χ^2/NDF : 44780.5/83

- sign -42.022 ± 0.093 χ^2/NDF : 24499.9/40

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -3.128 ± 0.711 χ^2/NDF : 97.6/17

Left Out: -15.266 ± 0.086 χ^2/NDF : 2595.5/24

Right Out: -2.901 ± 0.737 χ^2/NDF : 42.2/17

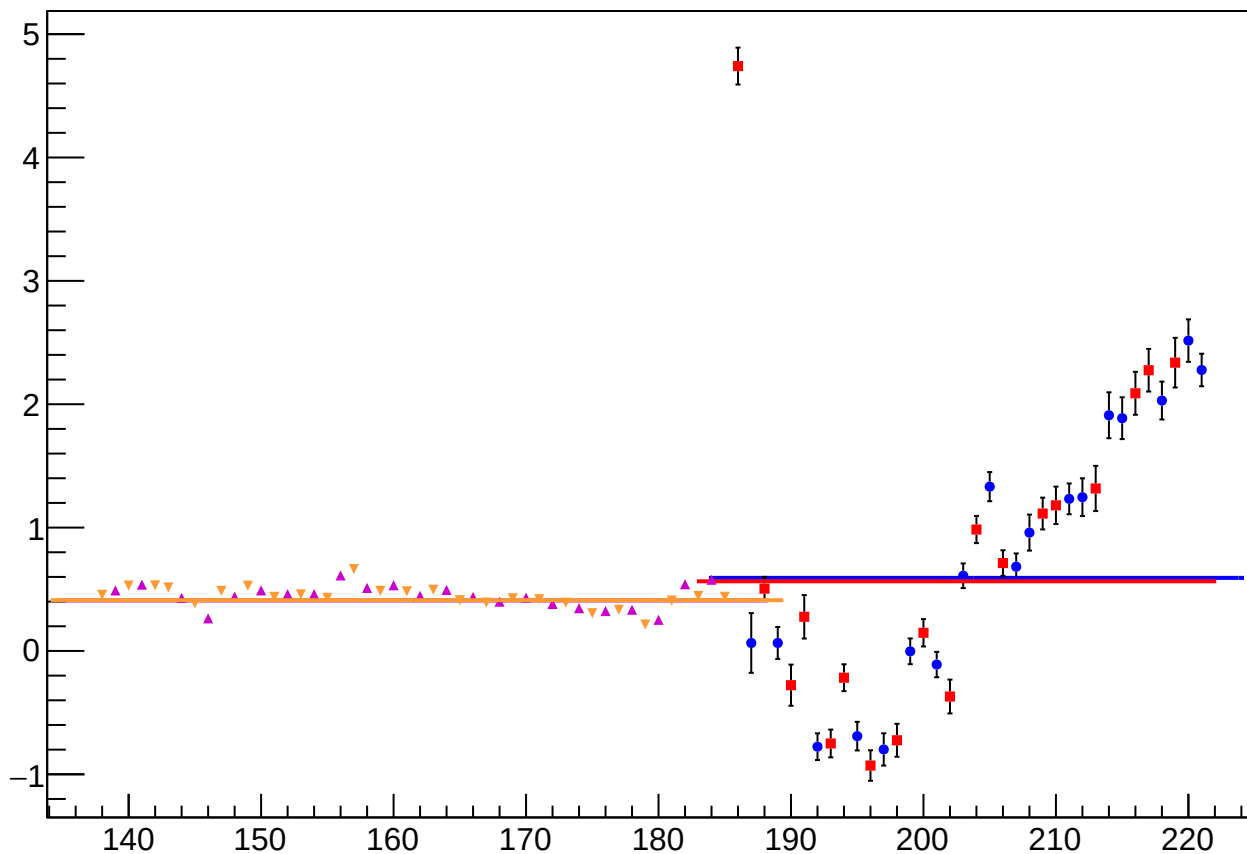
Left In: -14.936 ± 0.087 χ^2/NDF : 2199.7/22

+ sign -15.091 ± 0.085 χ^2/NDF : 2980.2/42

All: -14.933 ± 0.061 χ^2/NDF : 5492.0/83

- sign -14.771 ± 0.086 χ^2/NDF : 2504.8/40

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.592+/-0.030 χ^2/NDF : 1069.7/17

Left Out: 0.411+/-0.004 χ^2/NDF : 428.7/24

Right Out: 0.565+/-0.031 χ^2/NDF : 1617.7/17

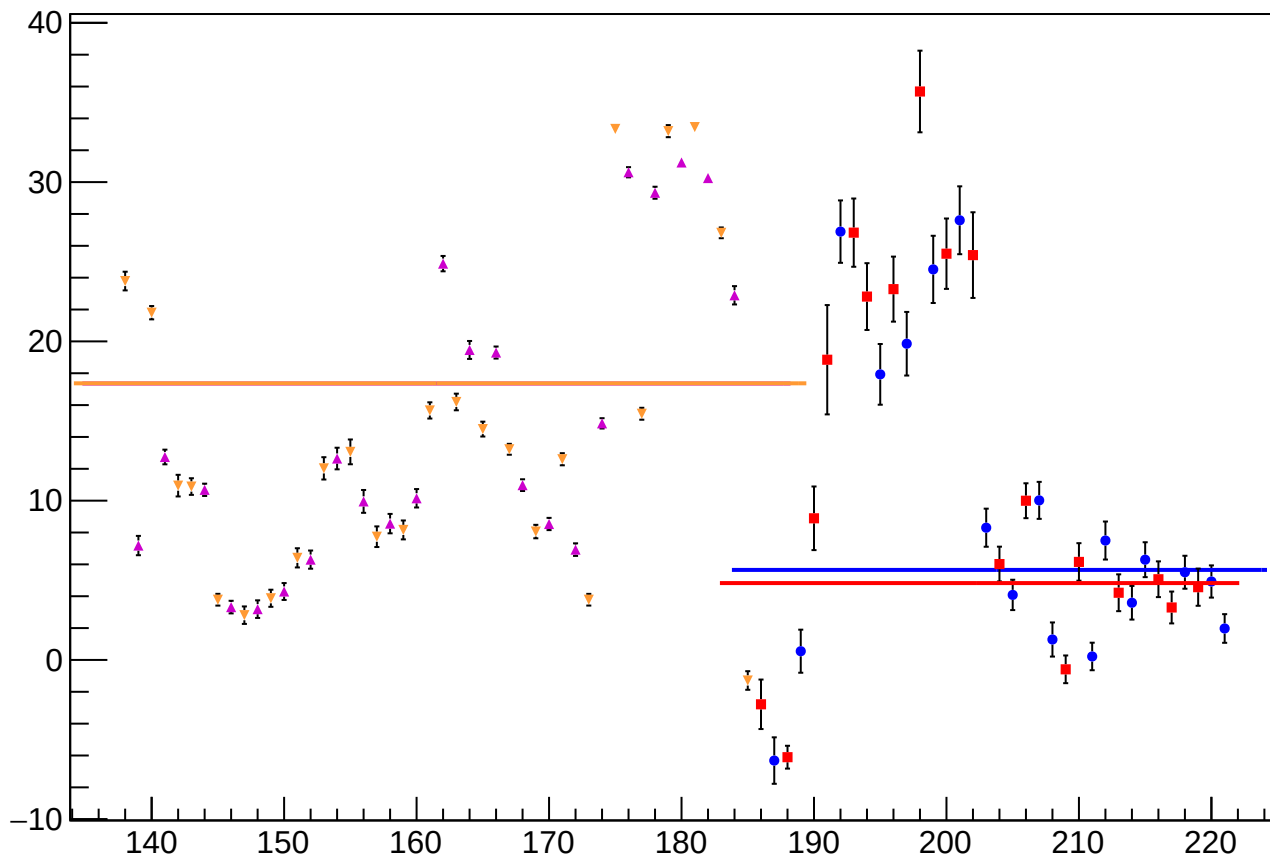
Left In: 0.409+/-0.004 χ^2/NDF : 557.8/22

+ sign 0.414+/-0.004 χ^2/NDF : 1533.4/42

All: 0.413+/-0.003 χ^2/NDF : 3733.8/83

- sign 0.412+/-0.004 χ^2/NDF : 2200.2/40

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 5.652 ± 0.282 $\chi^2/\text{NDF}: 579.0/17$

Left Out: 17.367 ± 0.087 $\chi^2/\text{NDF}: 16337.6/24$

Right Out: 4.826 ± 0.303 $\chi^2/\text{NDF}: 895.6/17$

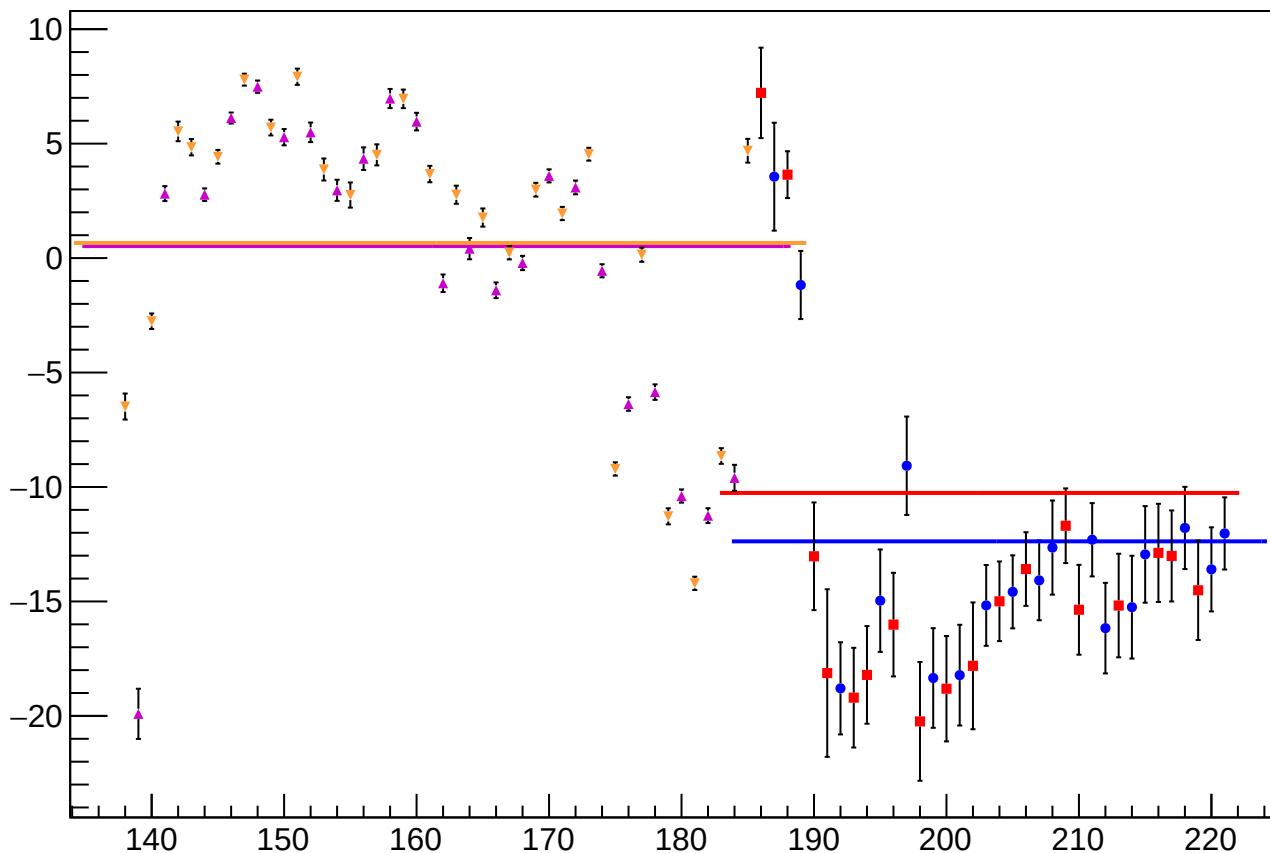
Left In: 17.355 ± 0.089 $\chi^2/\text{NDF}: 12745.1/22$

+ sign 16.346 ± 0.083 $\chi^2/\text{NDF}: 18493.1/42$

All: 16.355 ± 0.060 $\chi^2/\text{NDF}: 33704.9/83$

- 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: -12.374 ± 0.444 χ^2/NDF : 142.2/17

Left Out: 0.661 ± 0.069 χ^2/NDF : 8553.9/24

Right Out: -10.260 ± 0.457 χ^2/NDF : 373.5/17

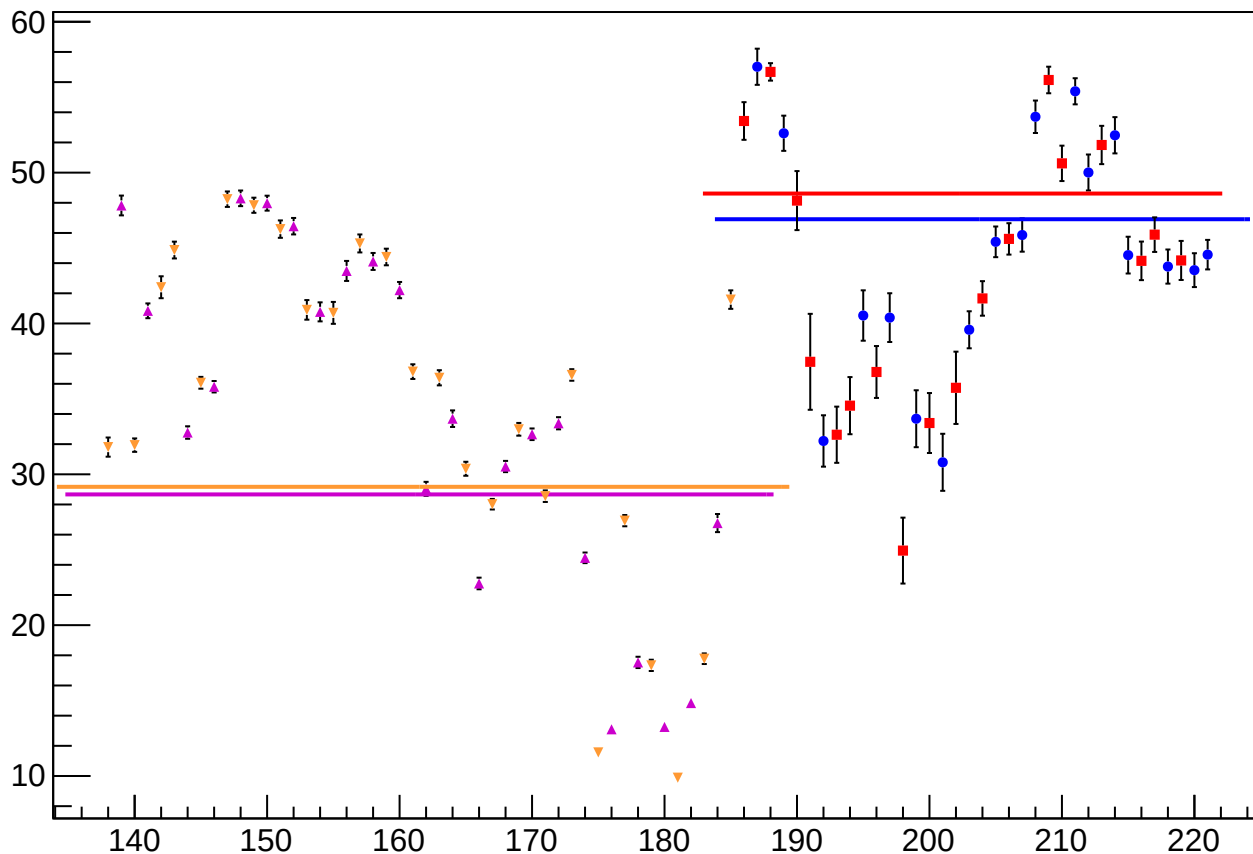
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.350 ± 0.069 χ^2/NDF : 9536.7/42

All: 0.311 ± 0.049 χ^2/NDF : 17184.7/83

- sign 0.271 ± 0.070 χ^2/NDF : 7647.4/40

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 46.910 $\pm$ 0.284 χ^2 /NDF: 551.2/17

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24

Right Out: 48.613 $\pm$ 0.291 χ^2 /NDF: 759.5/17

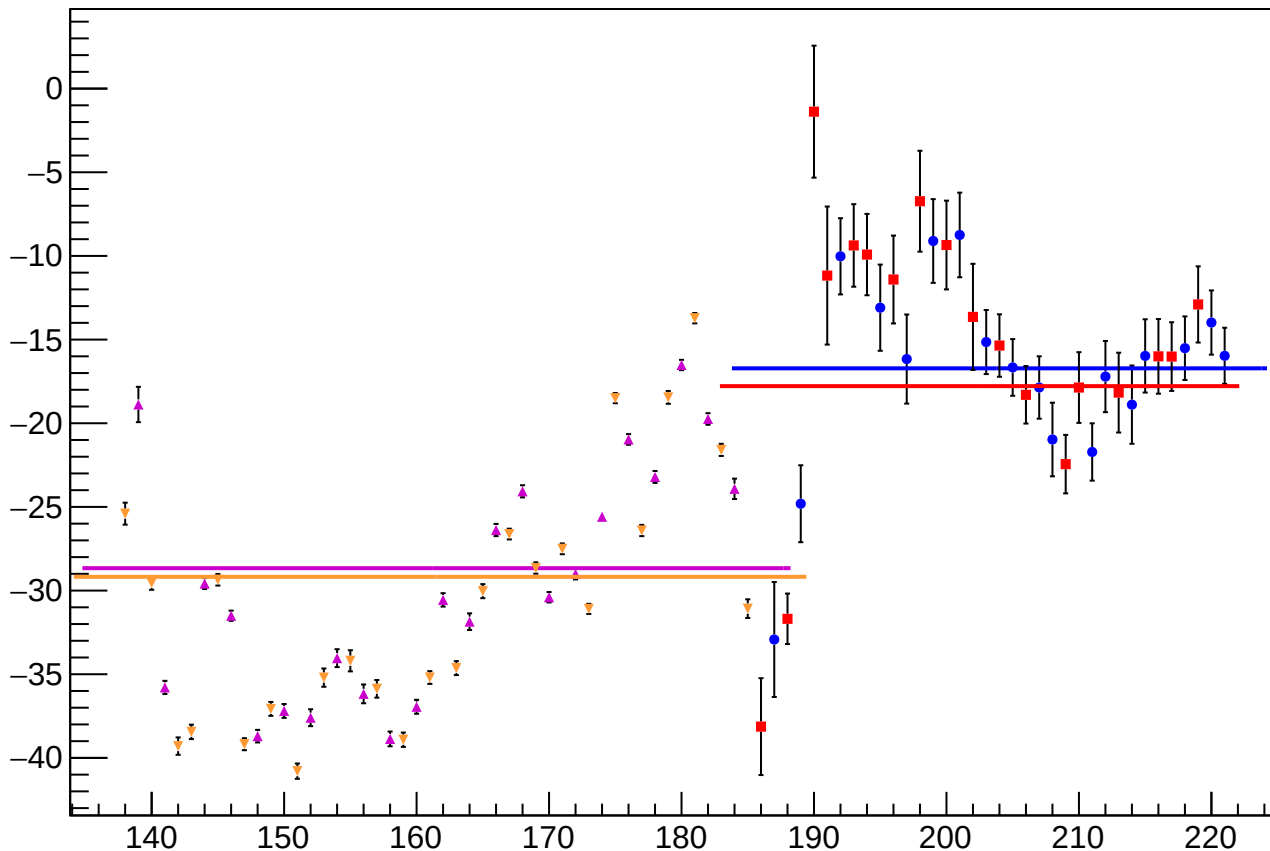
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 30.720 $\pm$ 0.084 χ^2 /NDF: 23091.6/42

All: 30.552 $\pm$ 0.060 χ^2 /NDF: 45005.9/83

- sign 30.379 $\pm$ 0.085 χ^2 /NDF: 21906.2/40

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -16.718 ± 0.497 χ^2/NDF : 81.5/17

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -17.783 ± 0.535 χ^2/NDF : 222.3/17

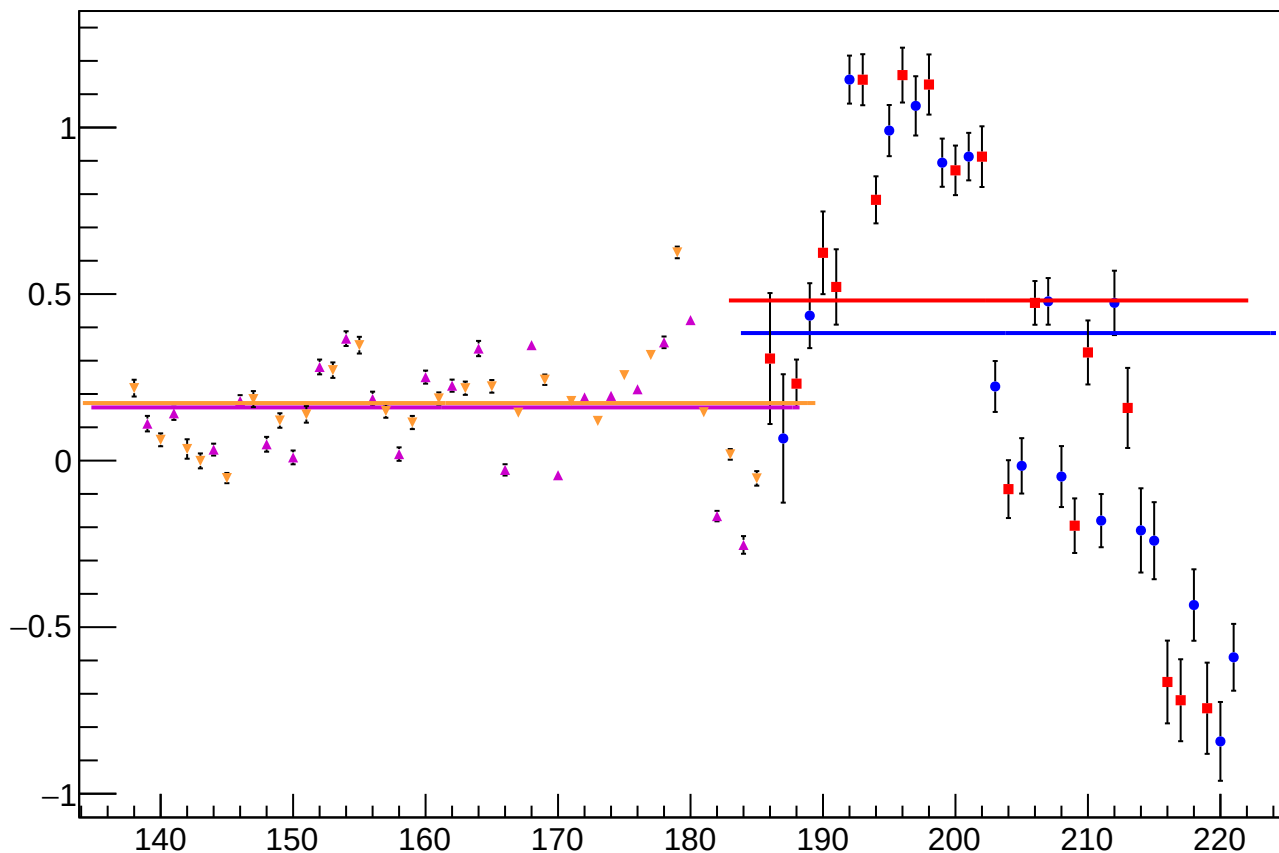
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -28.877 ± 0.077 χ^2/NDF : 9776.2/42

All: -28.655 ± 0.055 χ^2/NDF : 17090.1/83

- sign -28.423 ± 0.079 χ^2/NDF : 7297.1/40

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.383 ± 0.021 χ^2/NDF : 753.6/17

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.481 ± 0.021 χ^2/NDF : 656.9/17

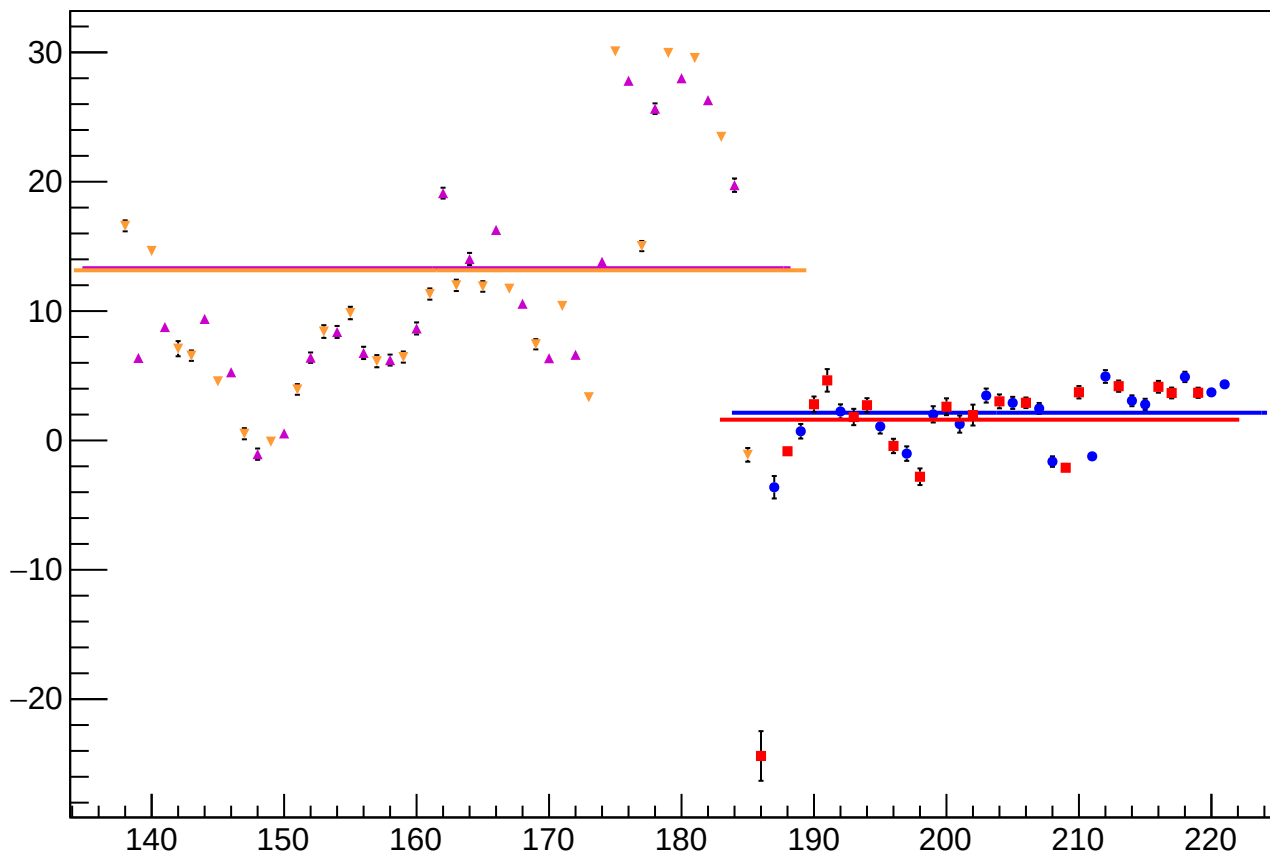
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.179 ± 0.004 χ^2/NDF : 2330.9/42

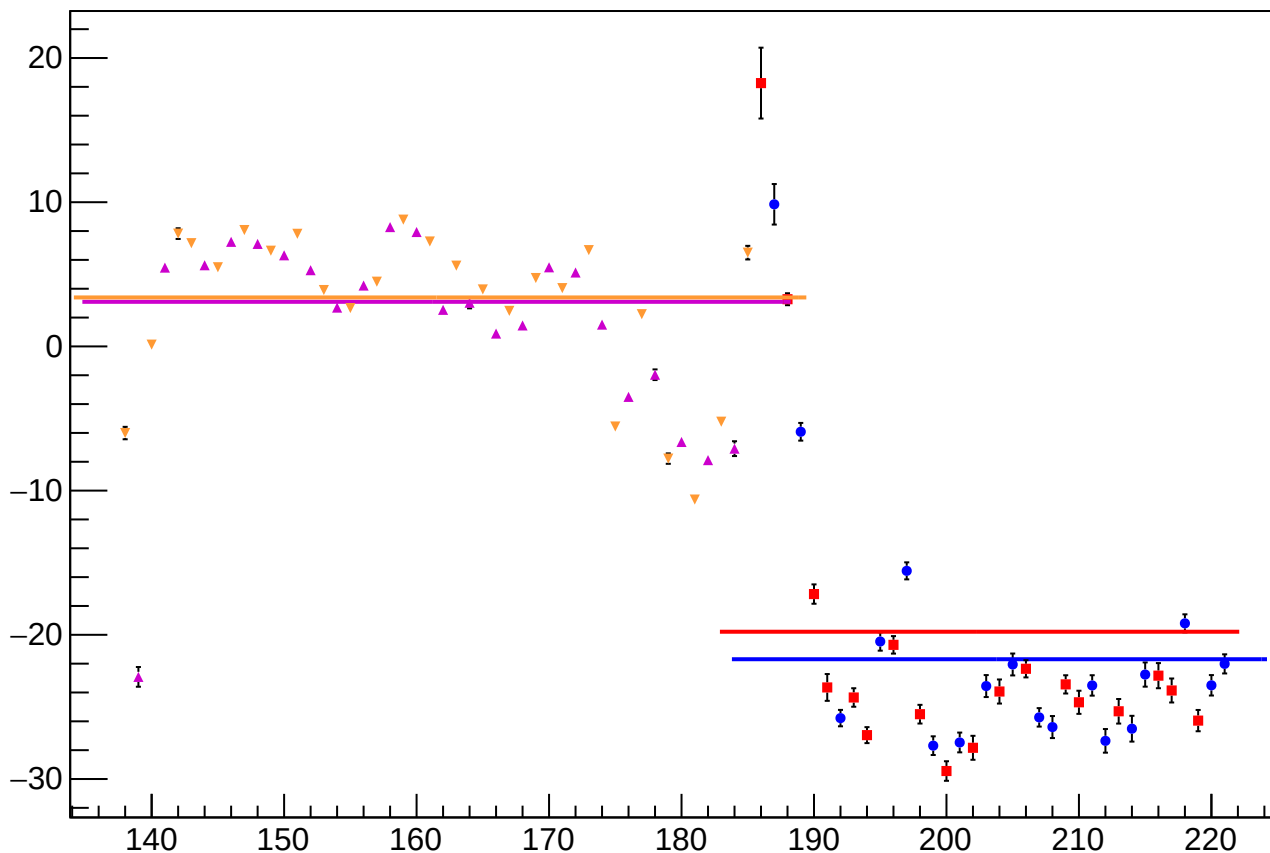
All: 0.174 ± 0.003 χ^2/NDF : 5267.9/83

- sign 0.169 ± 0.004 χ^2/NDF : 2932.9/40

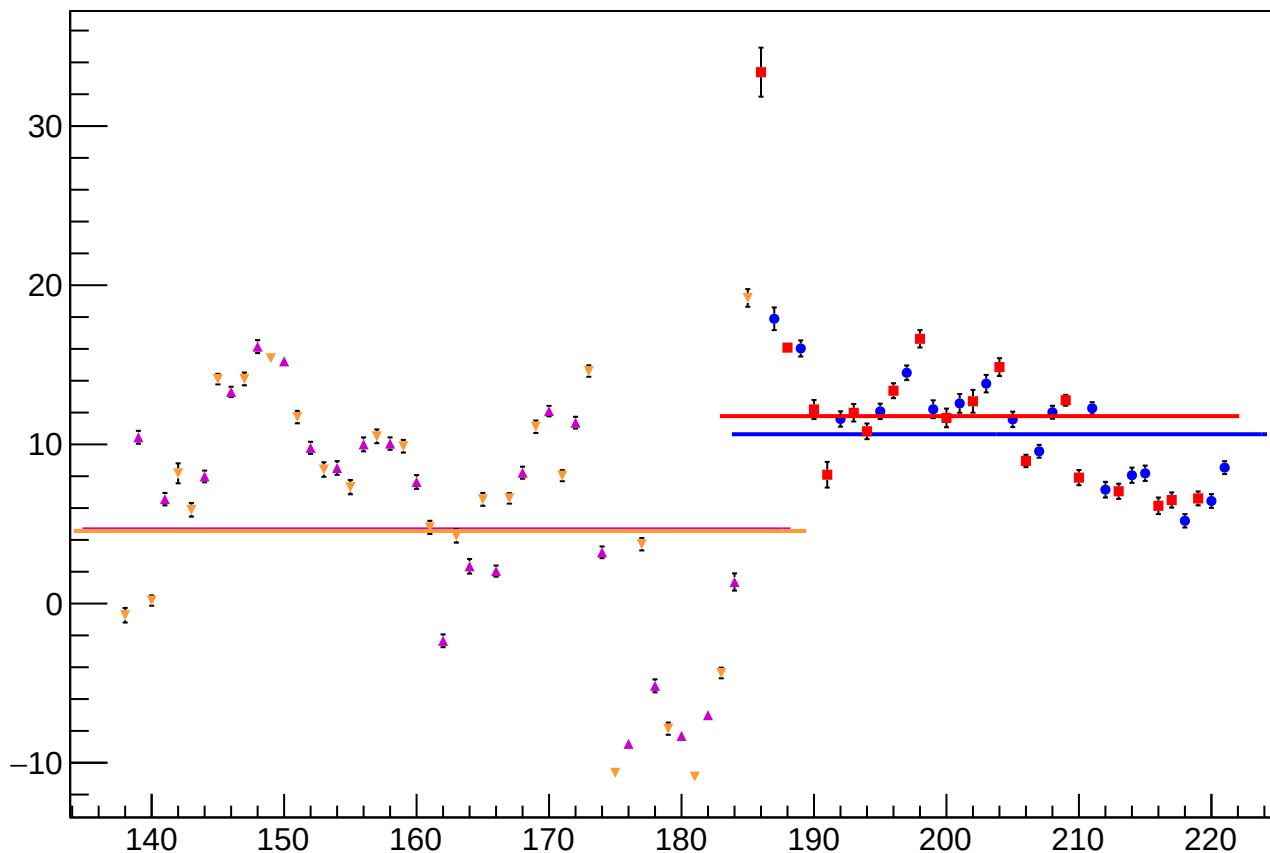
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 10.638 $\pm$ 0.111 χ^2 /NDF: 783.3/17

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 11.776 $\pm$ 0.109 χ^2 /NDF: 1301.8/17

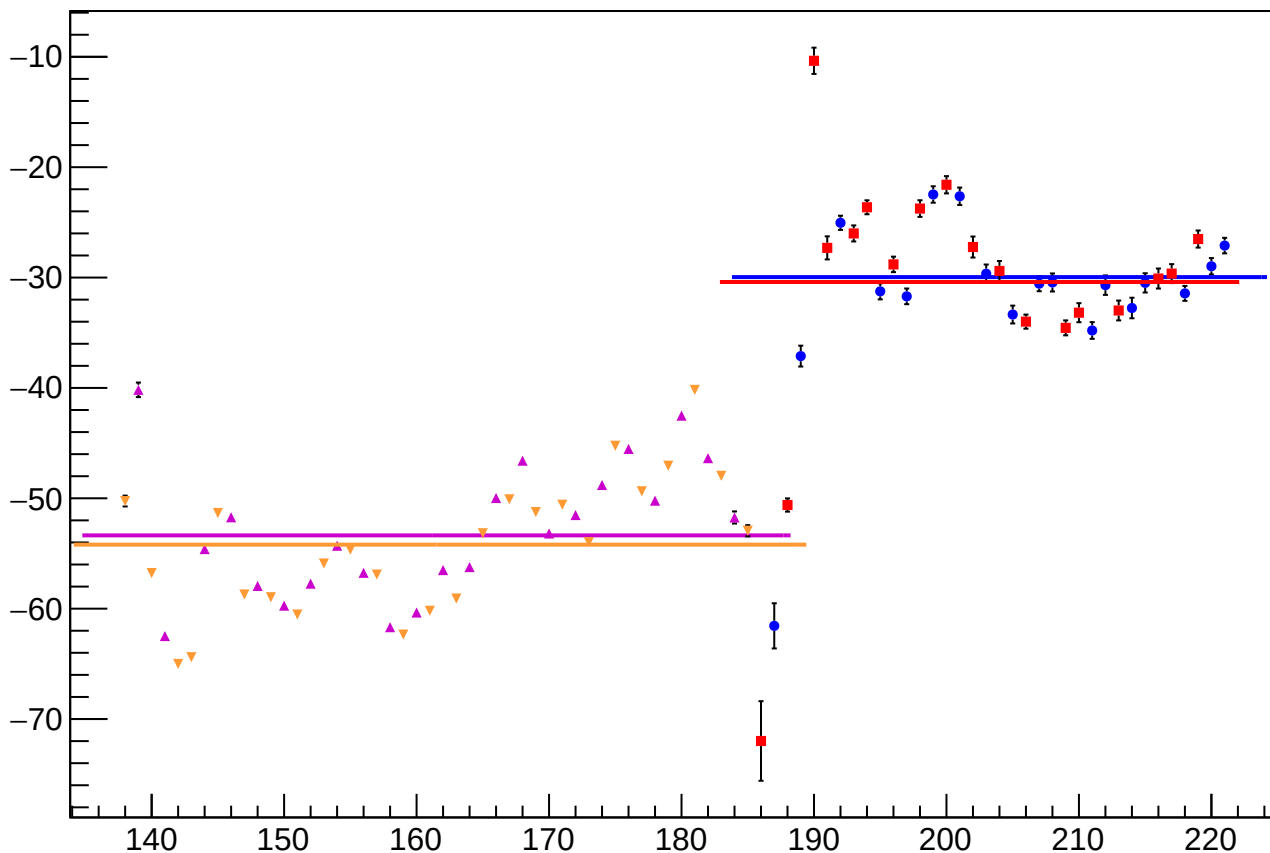
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 6.484 $\pm$ 0.062 χ^2 /NDF: 16431.6/42

All: 6.755 $\pm$ 0.044 χ^2 /NDF: 31906.8/83

- sign 7.029 $\pm$ 0.063 χ^2 /NDF: 15437.2/40

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -29.959 ± 0.185 χ^2/NDF : 643.3/17

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -30.402 ± 0.189 χ^2/NDF : 2052.5/17

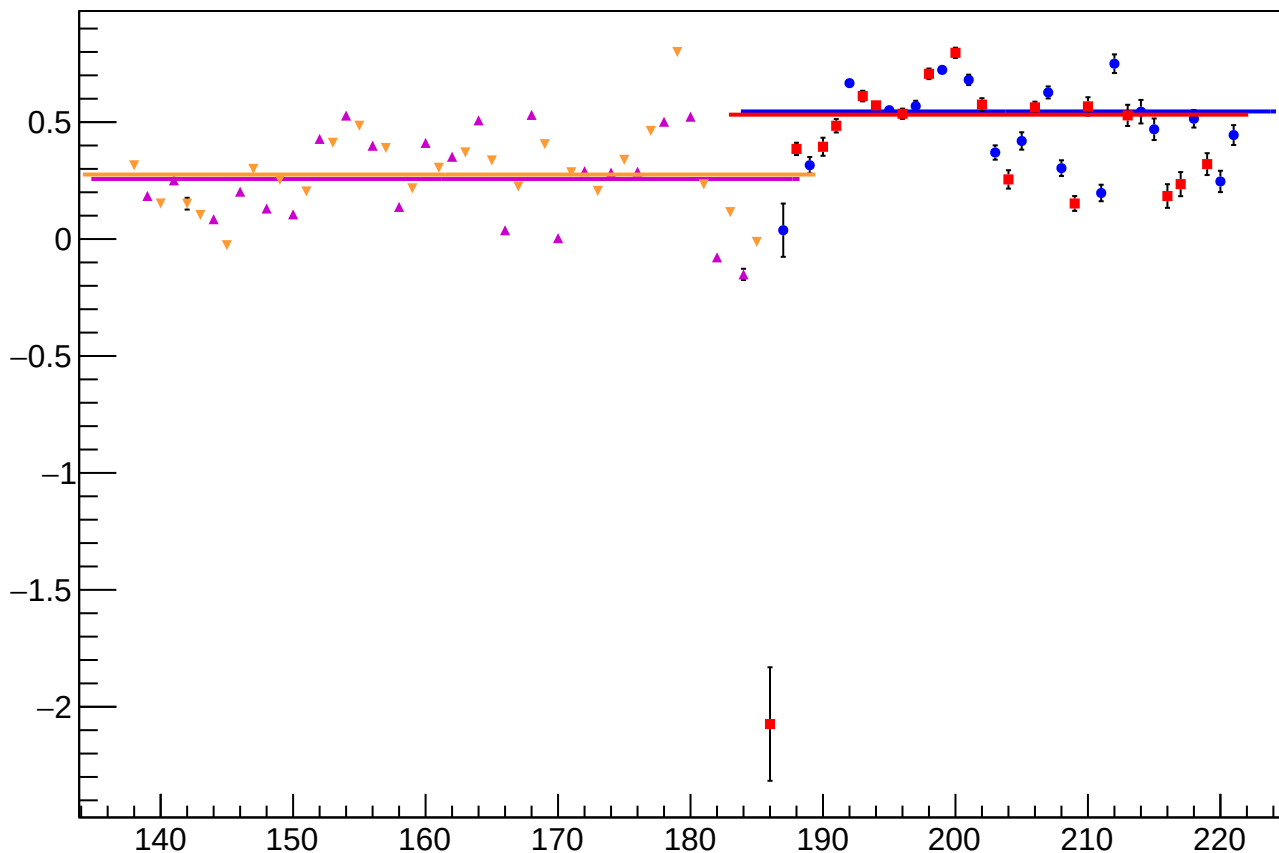
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -51.437 ± 0.062 χ^2/NDF : 24289.2/42

All: -51.072 ± 0.045 χ^2/NDF : 46381.3/83

- sign -50.685 ± 0.064 χ^2/NDF : 22022.0/40

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.546 $\pm$ 0.007 χ^2 /NDF: 486.4/17

Left Out: 0.276 $\pm$ 0.003 χ^2 /NDF:2623.6/24

Right Out: 0.532 $\pm$ 0.007 χ^2 /NDF: 682.1/17

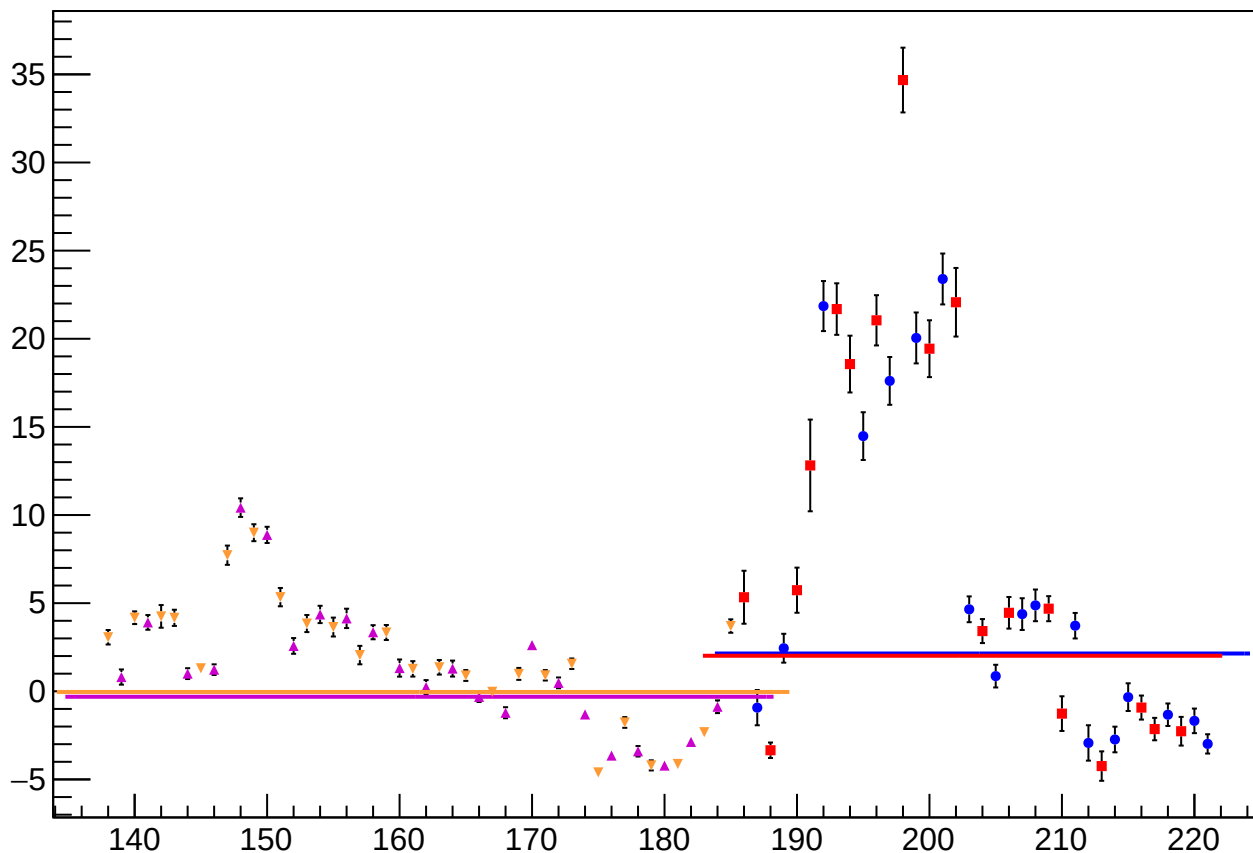
Left In: 0.257 $\pm$ 0.003 χ^2 /NDF:3623.9/22

+ sign 0.318 $\pm$ 0.003 χ^2 /NDF: 4325.7/42

All: 0.311 $\pm$ 0.002 χ^2 /NDF: 9988.8/83

- sign 0.304 $\pm$ 0.003 χ^2 /NDF: 5650.6/40

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.144 ± 0.196 χ^2/NDF : 1049.3/17

Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24

Right Out: 2.017 ± 0.210 χ^2/NDF : 1365.6/17

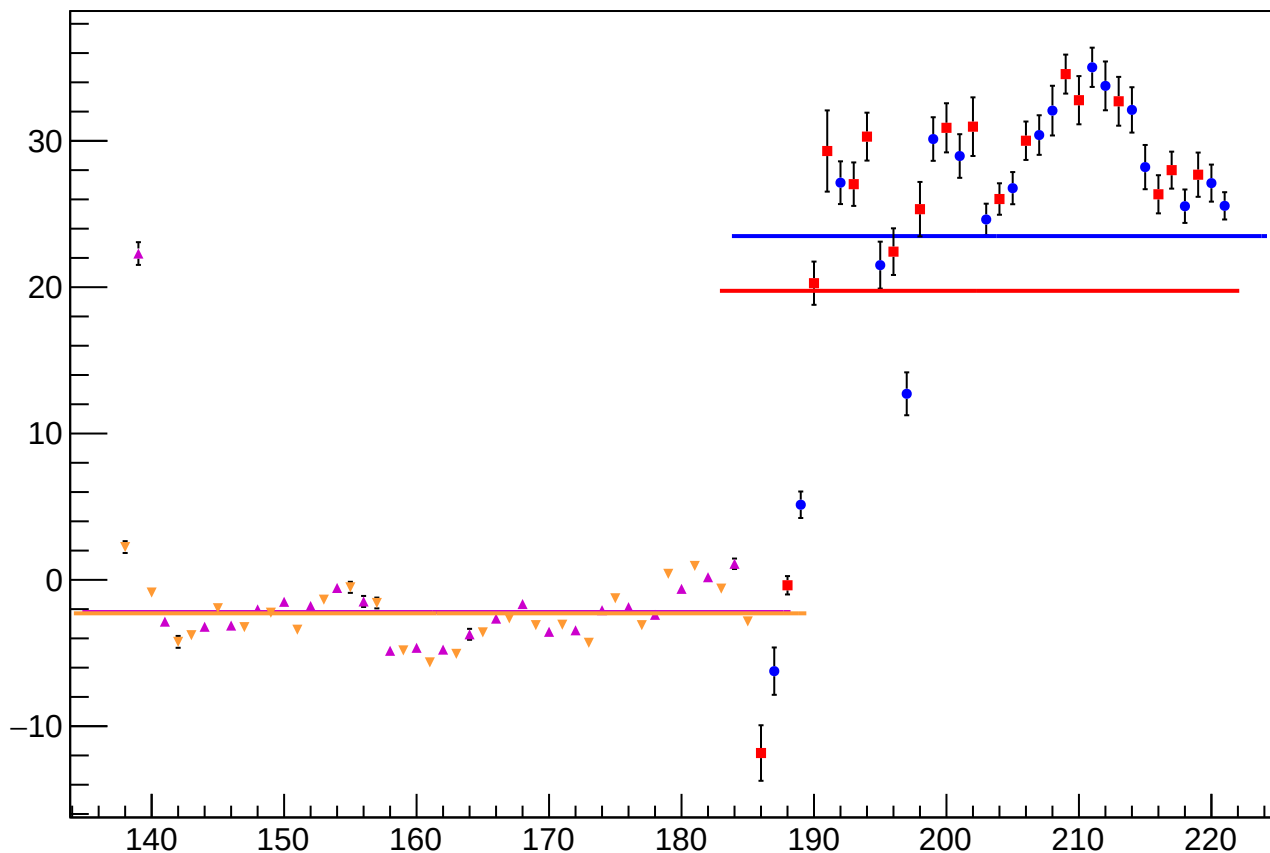
Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign 0.185 ± 0.063 χ^2/NDF : 3798.2/42

All: 0.049 ± 0.045 χ^2/NDF : 7535.2/83

- sign -0.093 ± 0.064 χ^2/NDF : 3727.4/40

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 23.493 $\pm$ 0.305 χ^2 /NDF: 1074.5/17

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

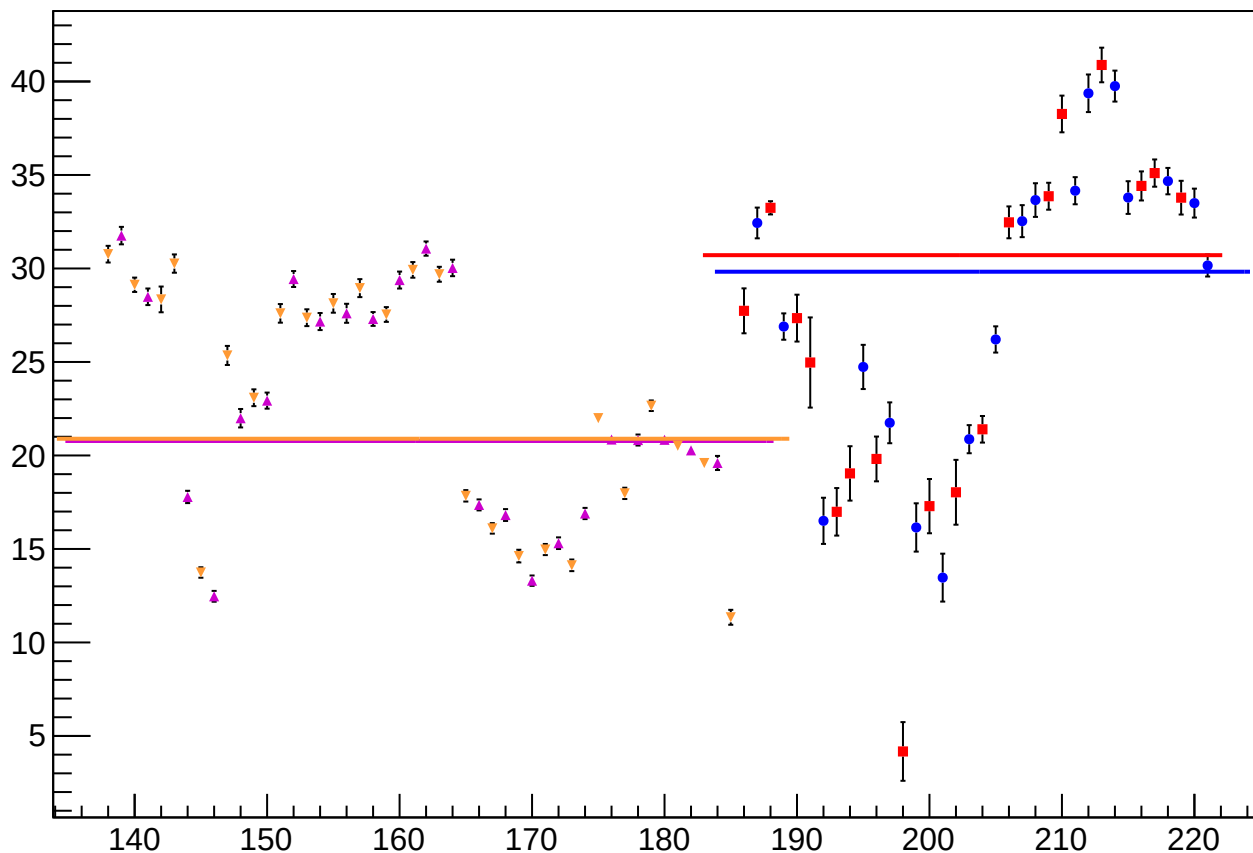
Left In: -2.198 $\pm$ 0.055 χ^2 /NDF: 1673.9/22

+ sign -1.503 $\pm$ 0.053 χ^2 /NDF: 9118.5/42

All: -1.530 $\pm$ 0.038 χ^2 /NDF: 17331.4/83

- 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: 29.826 $\pm$ 0.198 χ^2 /NDF: 1048.8/17

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

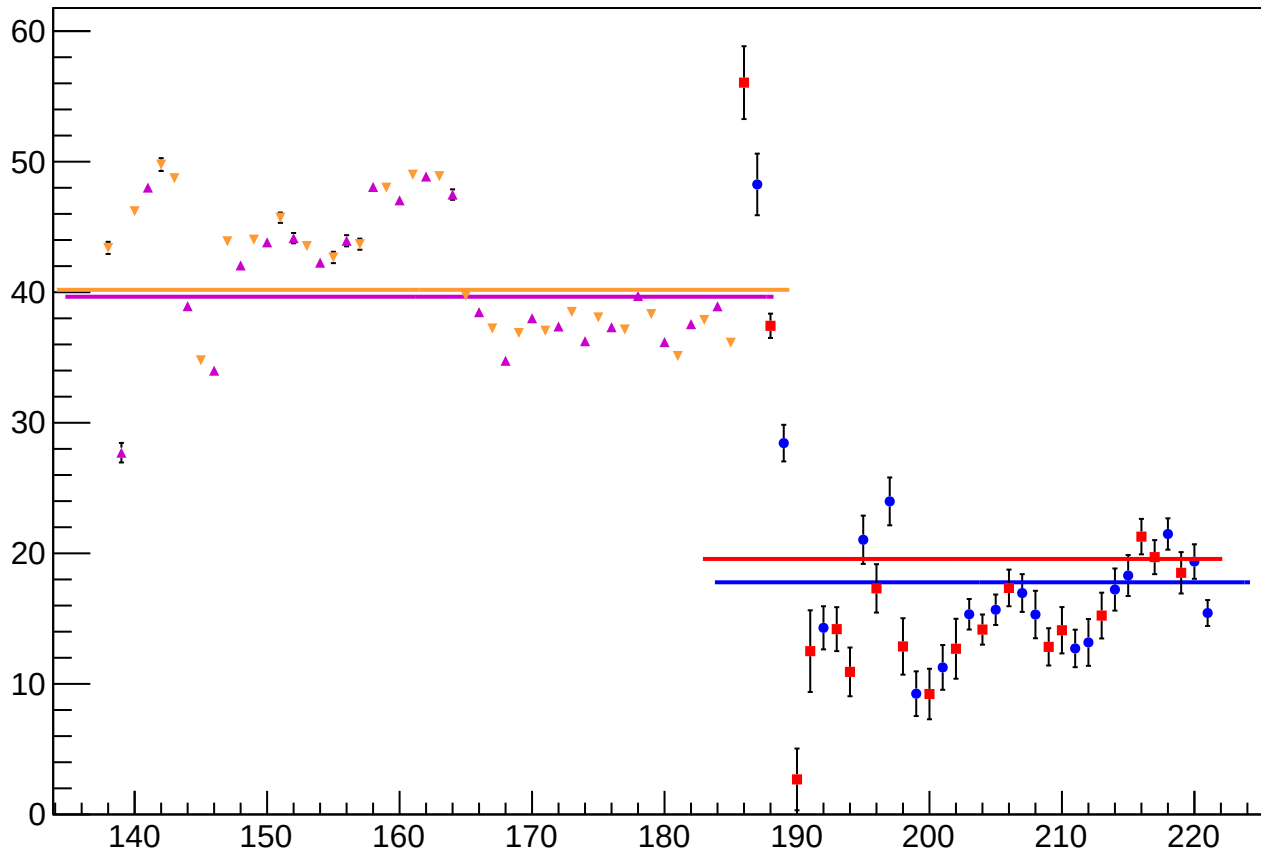
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF:5927.9/22

+ sign 21.805 $\pm$ 0.063 χ^2 /NDF: 9532.8/42

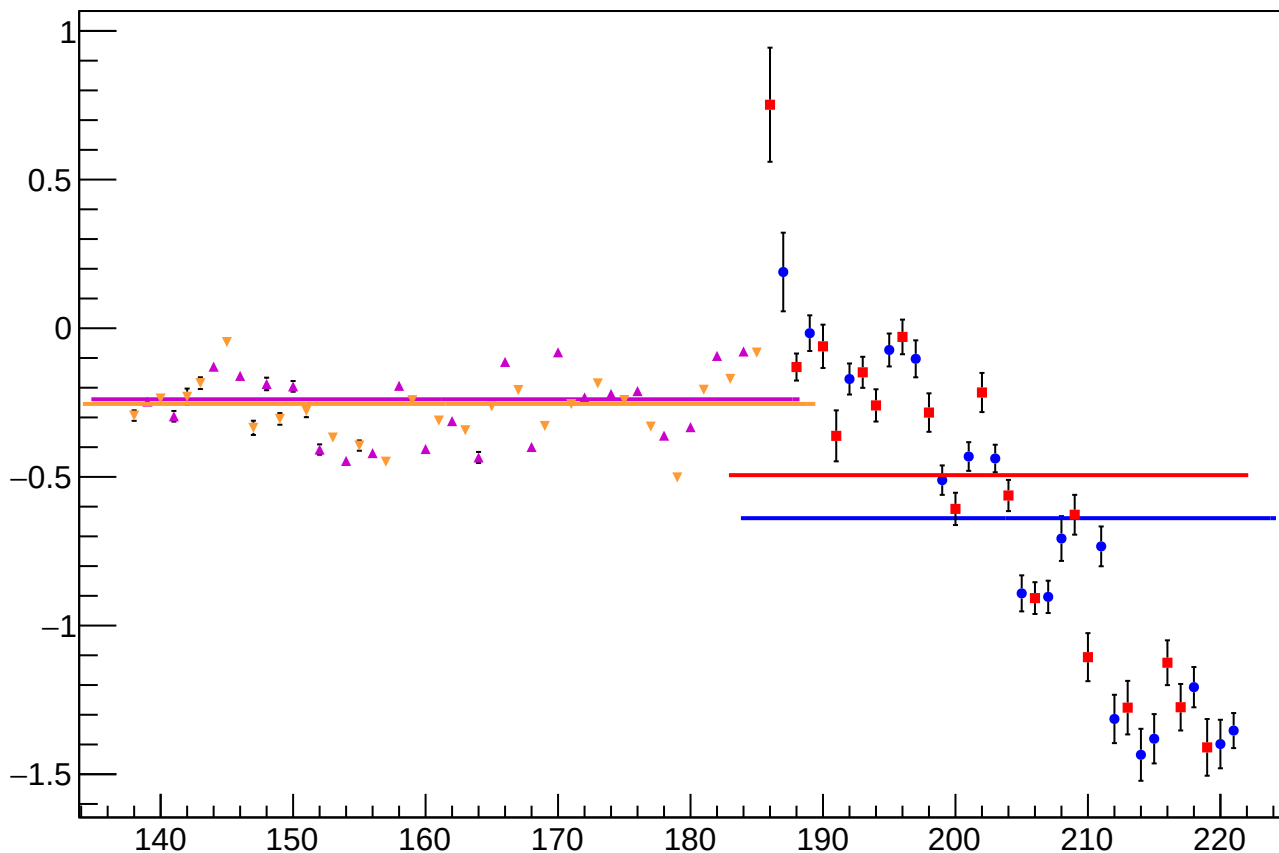
All: 21.793 $\pm$ 0.045 χ^2 /NDF: 18860.7/83

- sign 21.782 $\pm$ 0.064 χ^2 /NDF: 9327.8/40

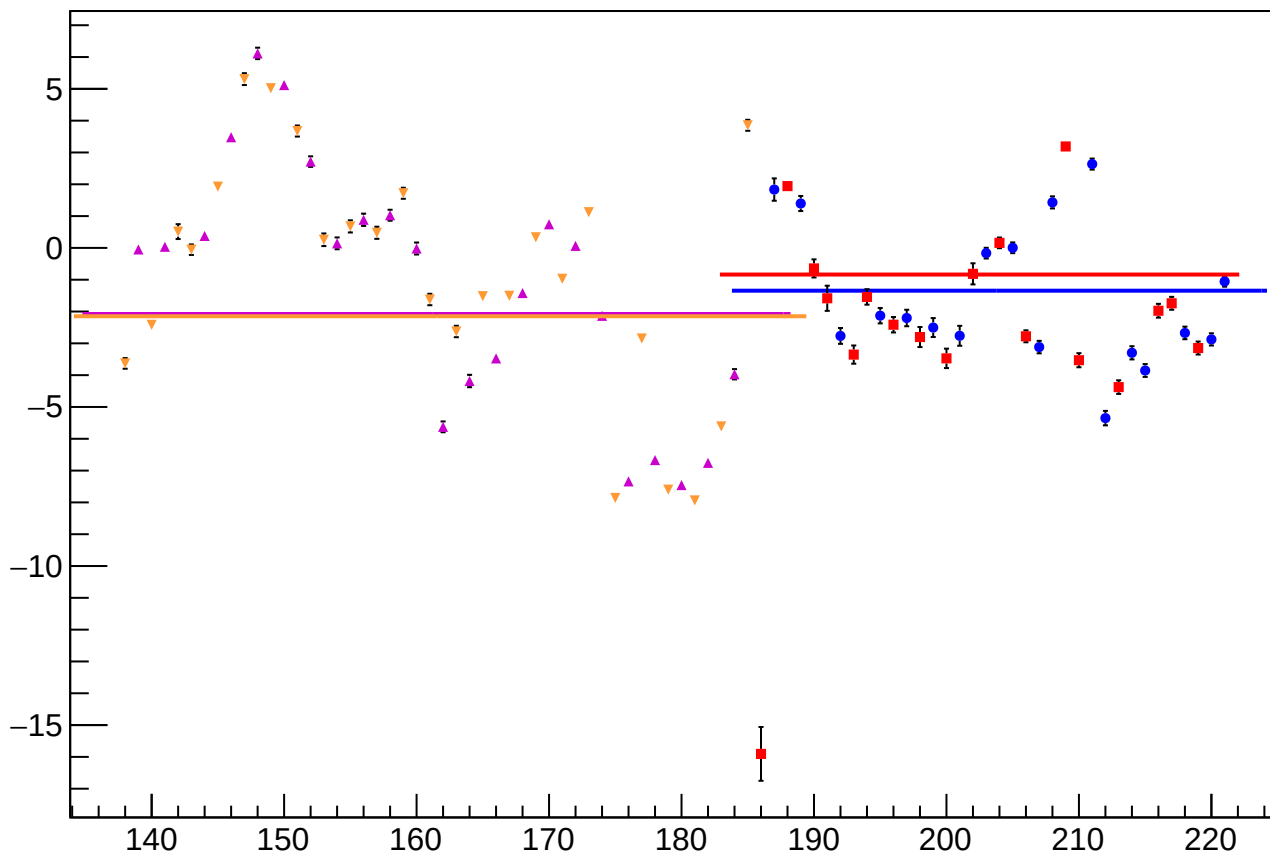
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



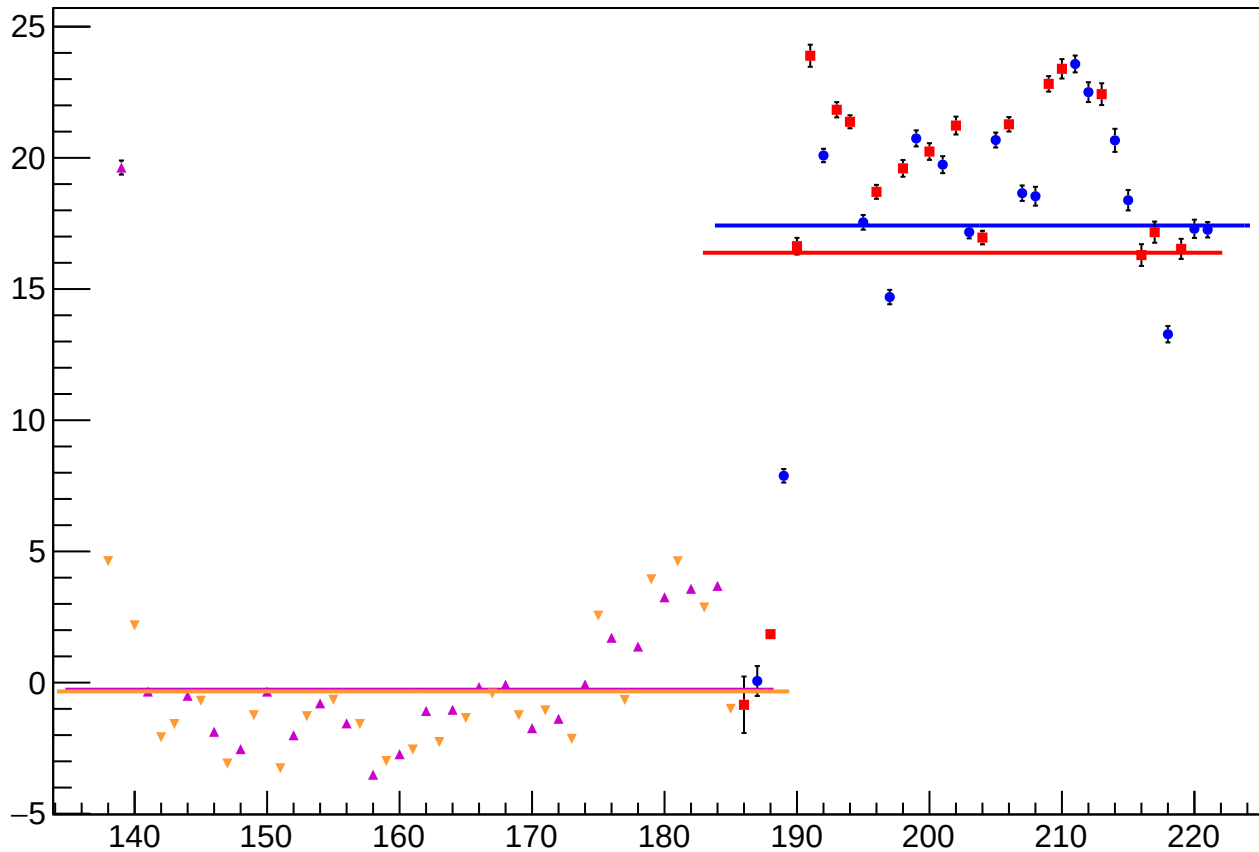
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.345 ± 0.049 χ^2/NDF : 1903.4/17
 Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24
 Right Out: -0.837 ± 0.050 χ^2/NDF : 2595.5/17
 Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -1.978 ± 0.023 χ^2/NDF : 26648.3/42
 All: -1.898 ± 0.016 χ^2/NDF : 52994.1/83
 - sign -1.816 ± 0.023 χ^2/NDF : 26320.7/40

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 17.422 ± 0.073 $\chi^2/\text{NDF}: 3598.7/17$

Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$

Right Out: 16.384 ± 0.071 $\chi^2/\text{NDF}: 11338.1/17$

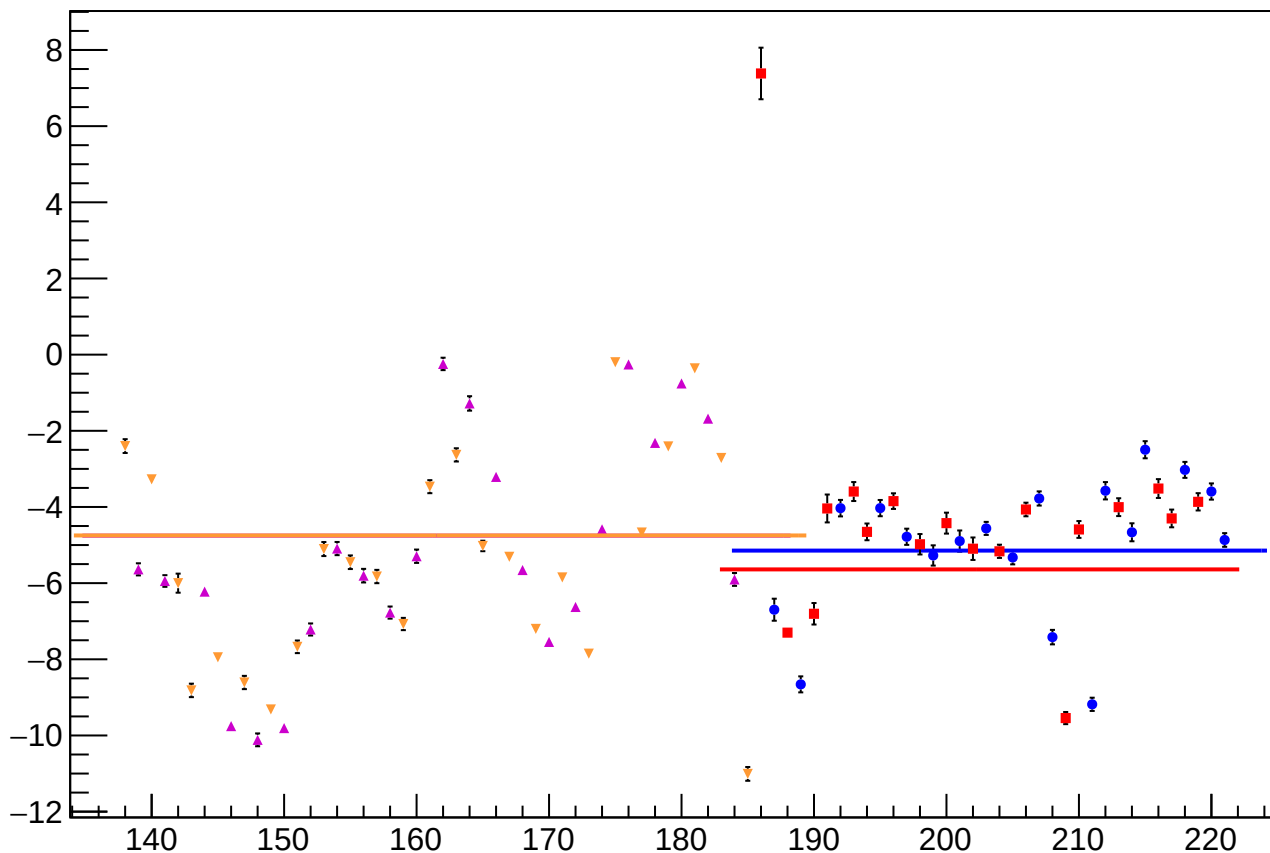
Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

+ sign 0.969 ± 0.020 $\chi^2/\text{NDF}: 70829.1/42$

All: 1.011 ± 0.014 $\chi^2/\text{NDF}: 145735.8/83$

- sign 1.054 ± 0.020 $\chi^2/\text{NDF}: 74897.5/40$

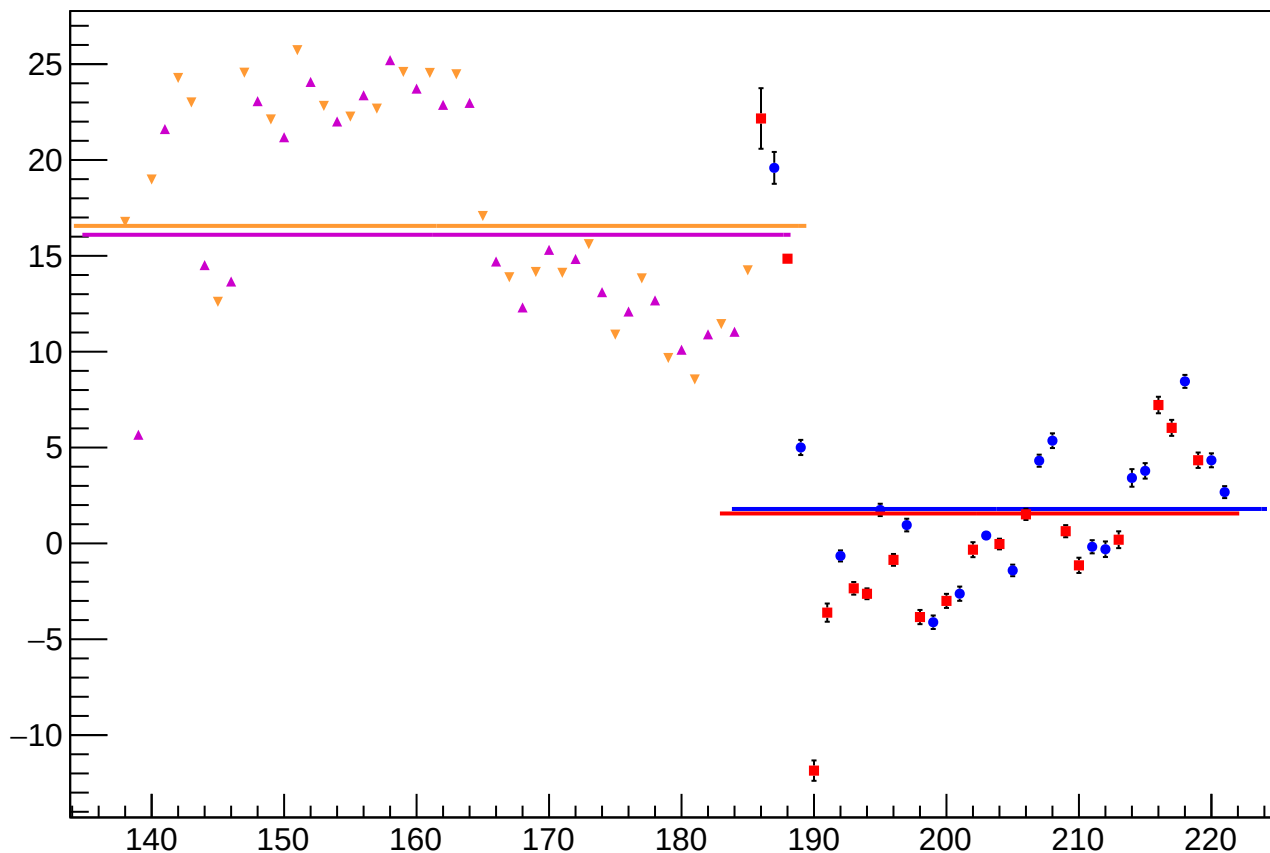
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.145 ± 0.049 χ^2/NDF : 1461.3/17
 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 -4.834 ± 0.023 χ^2/NDF : 14802.3/42
 All: -4.897 ± 0.016 χ^2/NDF : 31073.0/83
 - sign -4.960 ± 0.023 χ^2/NDF : 16255.6/40

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 1.796 ± 0.082 $\chi^2/\text{NDF}: 1854.3/17$

Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$

Right Out: 1.561 ± 0.083 $\chi^2/\text{NDF}: 5397.4/17$

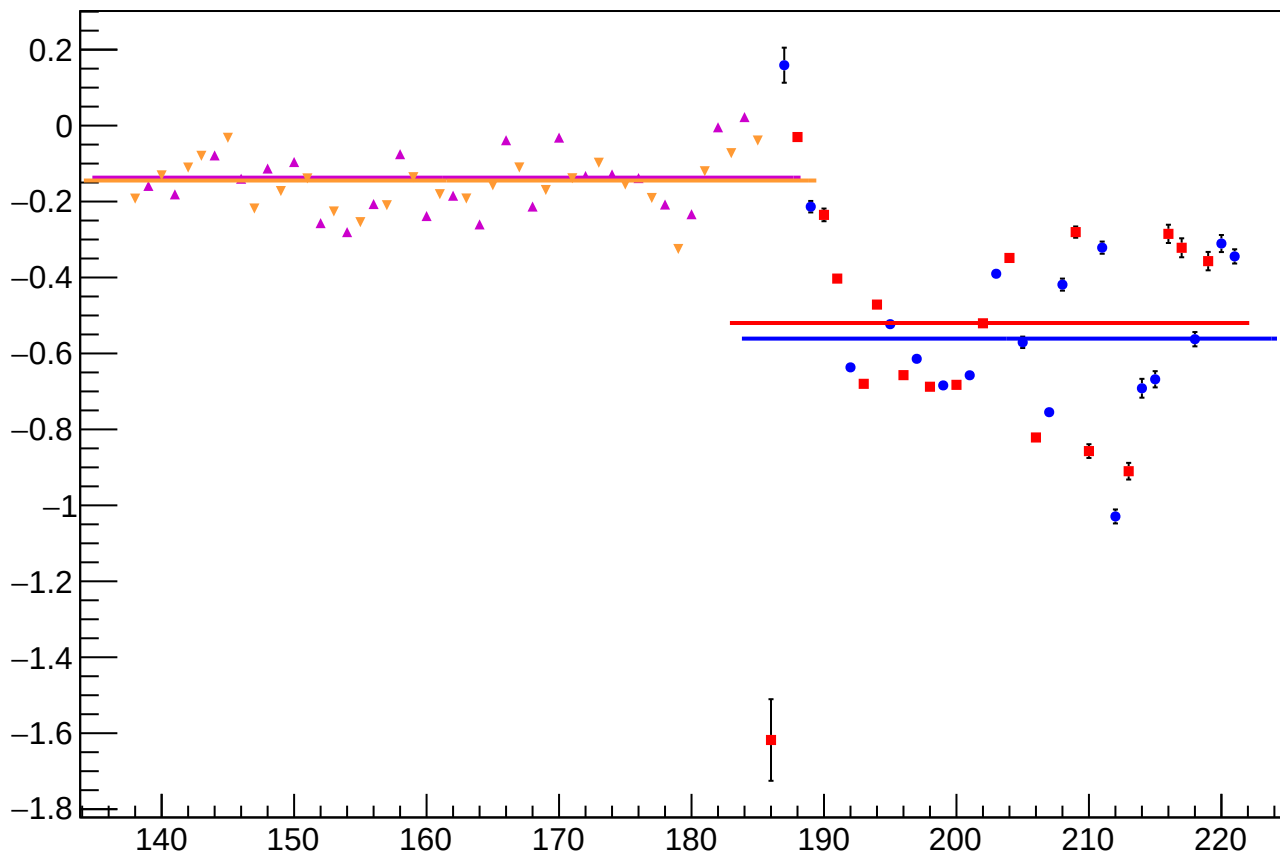
Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 15.475 ± 0.022 $\chi^2/\text{NDF}: 85681.0/42$

All: 15.255 ± 0.016 $\chi^2/\text{NDF}: 161705.8/83$

- sign 15.026 ± 0.023 $\chi^2/\text{NDF}: 75824.9/40$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.561 ± 0.003 χ^2/NDF : 2953.5/17

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.520 ± 0.003 χ^2/NDF : 5698.5/17

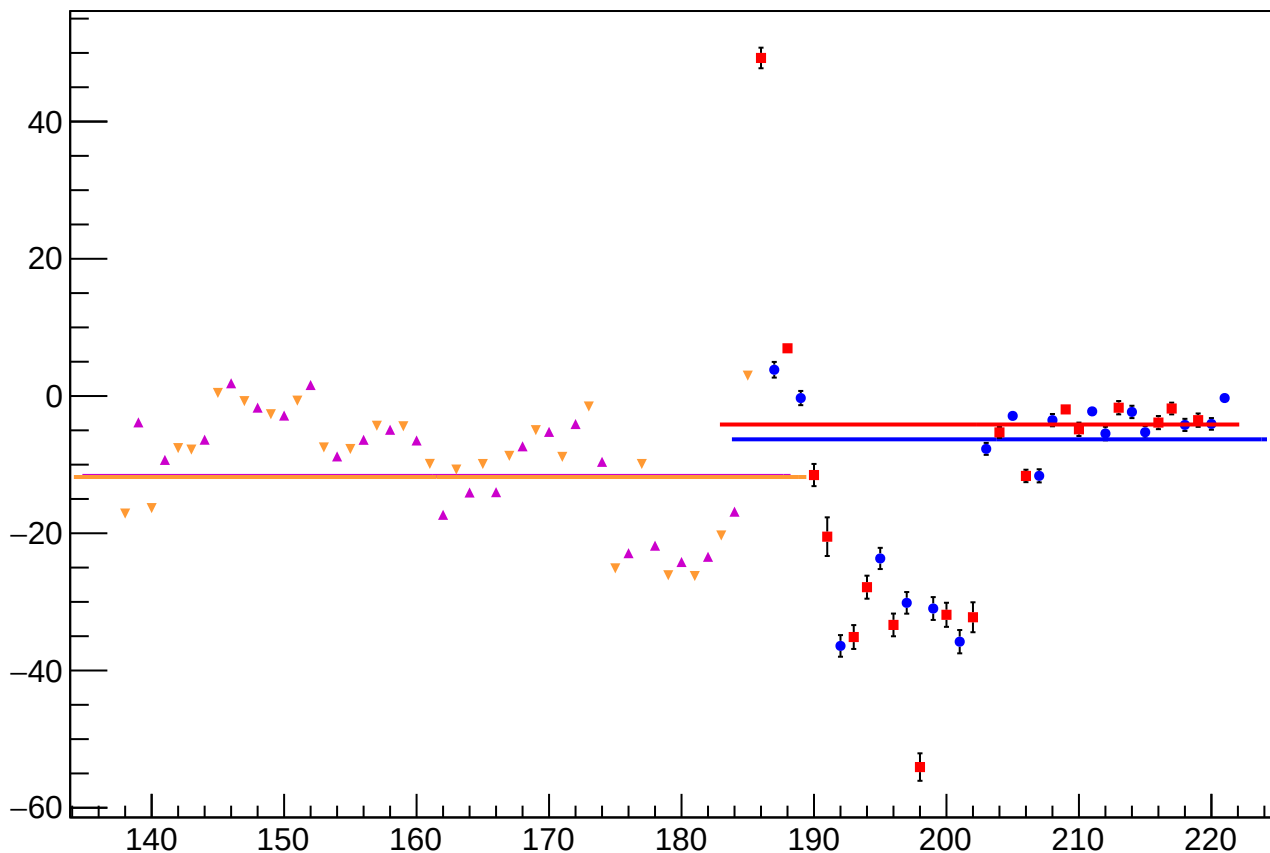
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.186 ± 0.001 χ^2/NDF : 22322.9/42

All: -0.183 ± 0.001 χ^2/NDF : 47626.1/83

- sign -0.180 ± 0.001 χ^2/NDF : 25281.3/40

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -6.311 ± 0.228 $\chi^2/\text{NDF}: 1553.9/17$

Left Out: -11.801 ± 0.070 $\chi^2/\text{NDF}: 17308.2/24$

Right Out: -4.151 ± 0.245 $\chi^2/\text{NDF}: 3710.9/17$

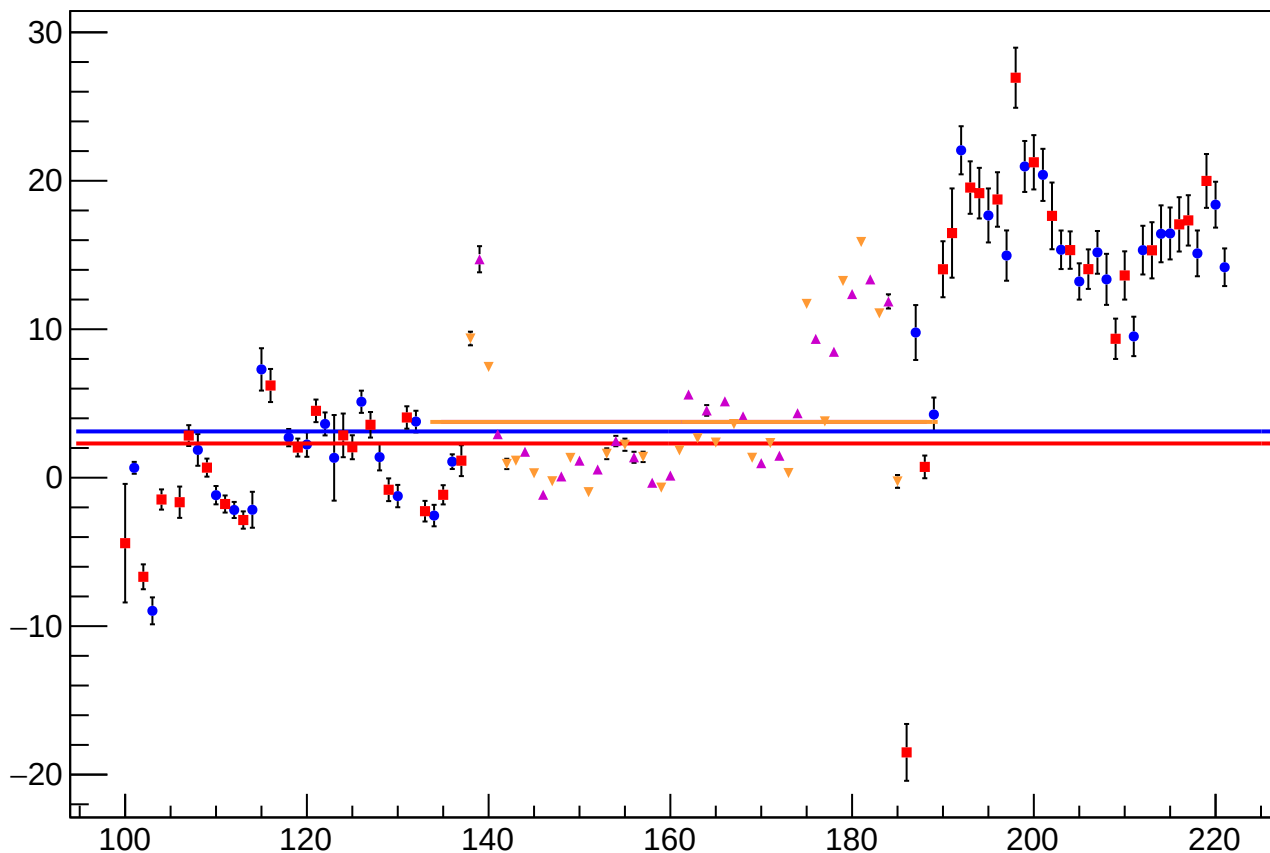
Left In: -11.642 ± 0.072 $\chi^2/\text{NDF}: 14121.2/22$

+ sign -11.326 ± 0.067 $\chi^2/\text{NDF}: 19390.1/42$

All: -11.194 ± 0.048 $\chi^2/\text{NDF}: 38089.2/83$

- sign -11.055 ± 0.069 $\chi^2/\text{NDF}: 18691.1/40$

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 3.117 ± 0.154 $\chi^2/\text{NDF}: 1663.9/34$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 2.305 ± 0.158 $\chi^2/\text{NDF}: 1720.9/36$

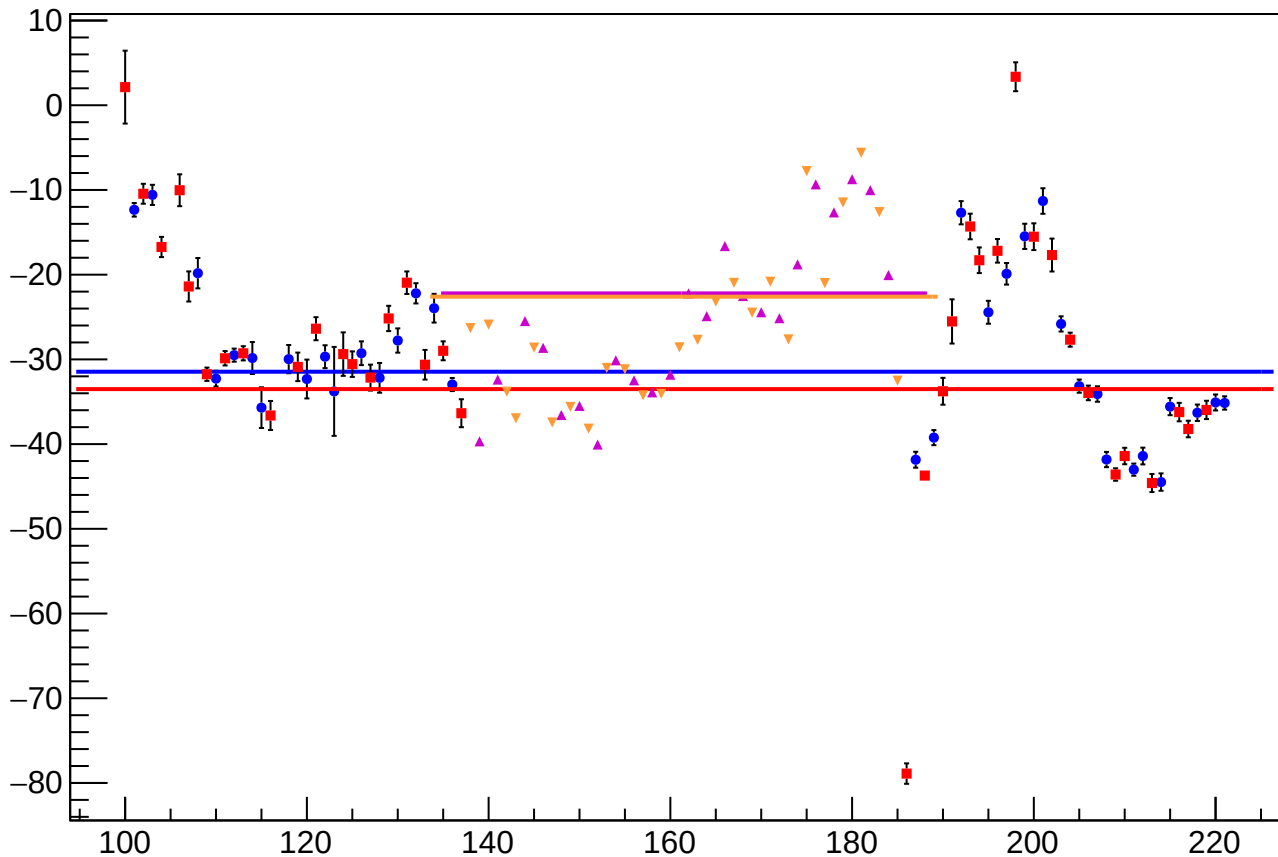
Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

+ sign 3.683 ± 0.052 $\chi^2/\text{NDF}: 9129.9/59$

All: 3.638 ± 0.037 $\chi^2/\text{NDF}: 16556.7/119$

- sign 3.592 ± 0.053 $\chi^2/\text{NDF}: 7425.3/59$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -31.455 ± 0.182 $\chi^2/\text{NDF}: 2598.7/34$

Left Out: -22.598 ± 0.071 $\chi^2/\text{NDF}: 19933.4/24$

Right Out: -33.507 ± 0.184 $\chi^2/\text{NDF}: 4576.9/36$

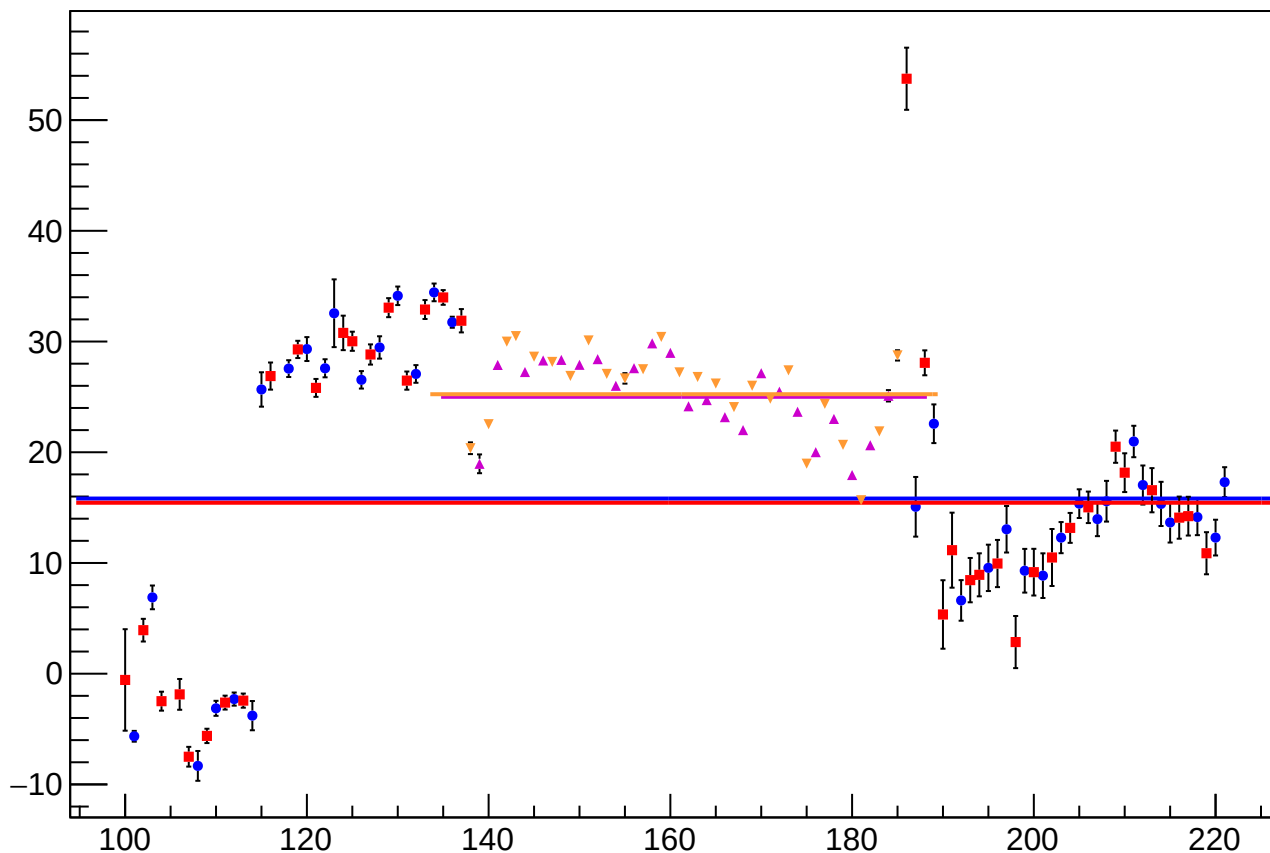
Left In: -22.209 ± 0.072 $\chi^2/\text{NDF}: 17627.4/22$

+ sign -23.754 ± 0.066 $\chi^2/\text{NDF}: 24581.5/59$

All: -23.725 ± 0.047 $\chi^2/\text{NDF}: 50062.5/119$

- sign -23.695 ± 0.067 $\chi^2/\text{NDF}: 25480.6/59$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.819 $\pm$ 0.173 χ^2 /NDF: 7648.2/34

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

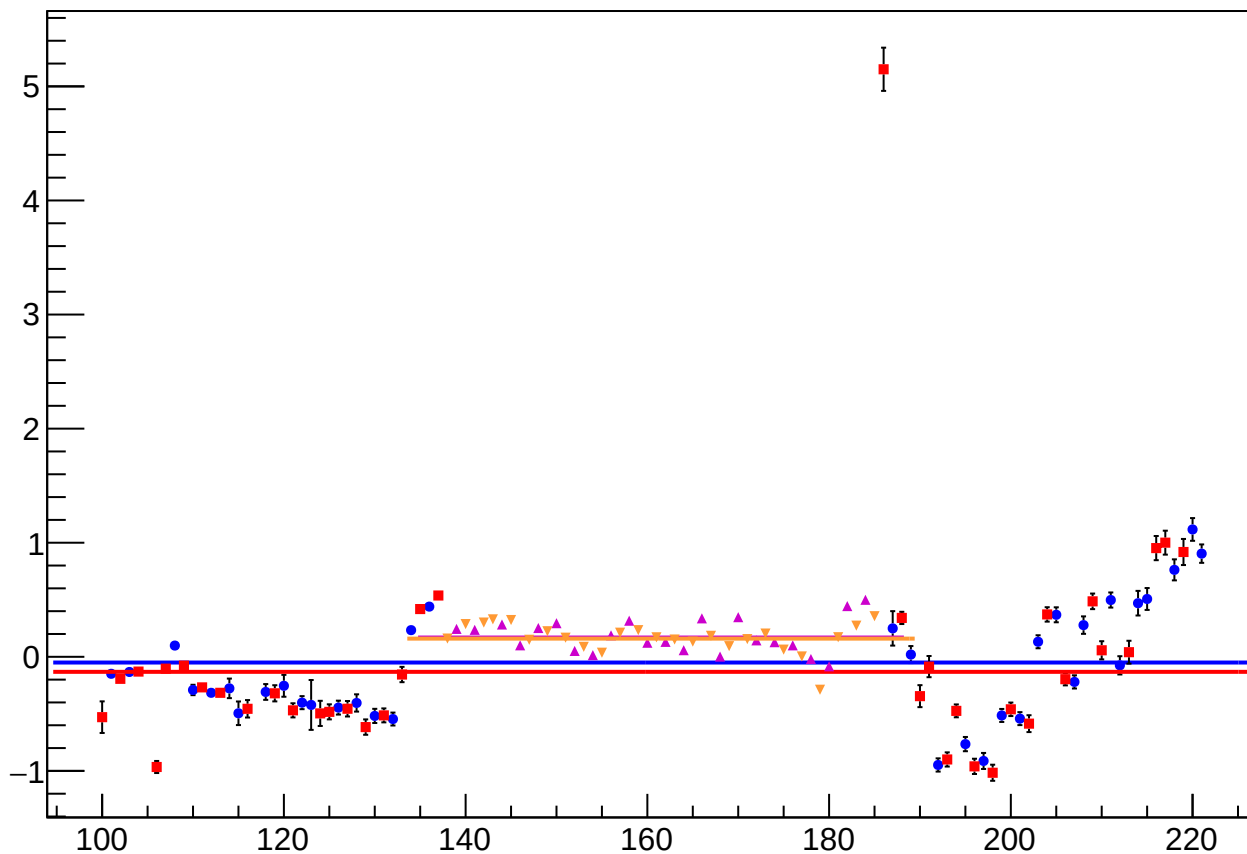
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.156 $\pm$ 0.059 χ^2 /NDF: 14045.0/59

All: 24.047 $\pm$ 0.042 χ^2 /NDF: 26979.8/119

- sign 23.934 $\pm$ 0.060 χ^2 /NDF: 12927.9/59

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.050 ± 0.009 χ^2/NDF : 2239.1/34

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.132 ± 0.009 χ^2/NDF : 3050.4/36

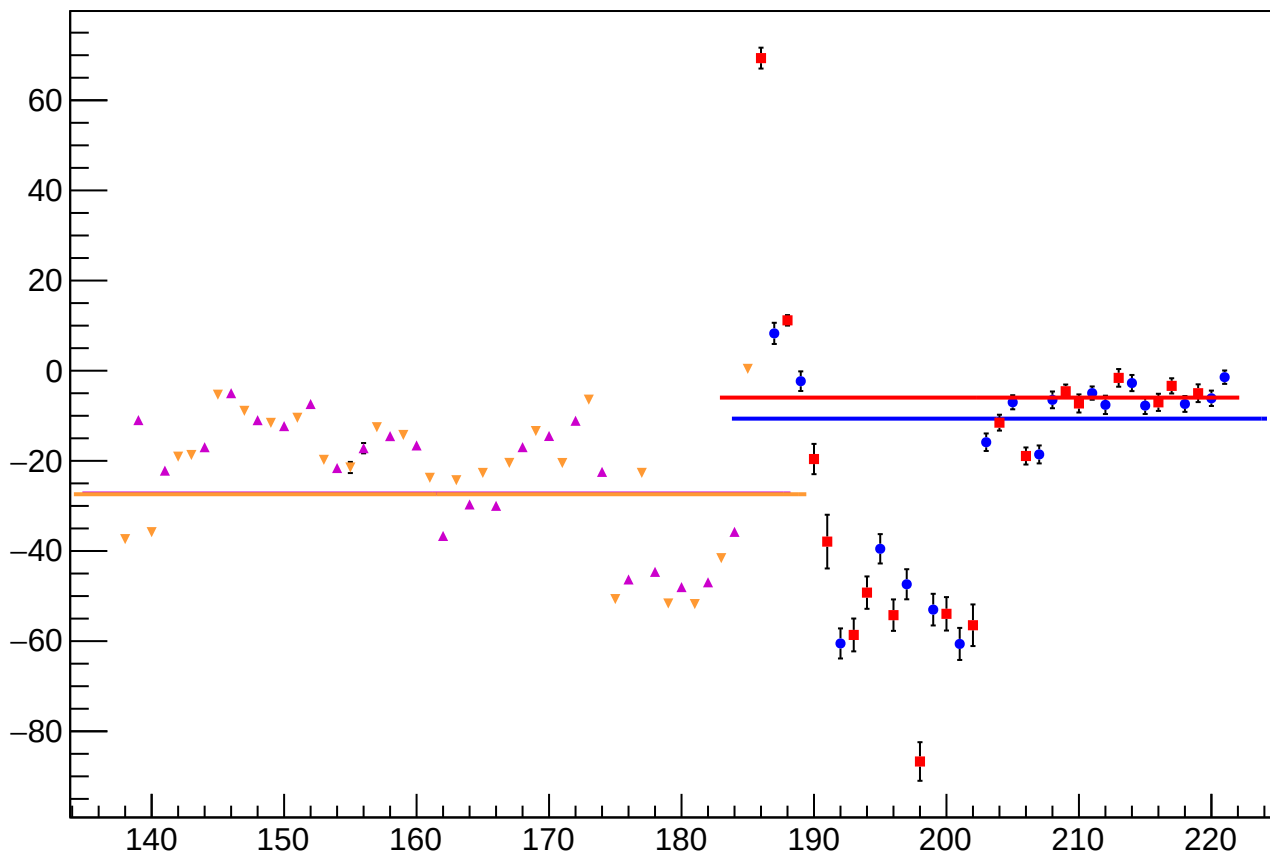
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.139 ± 0.003 χ^2/NDF : 4615.7/59

All: 0.139 ± 0.002 χ^2/NDF : 11118.2/119

- sign 0.140 ± 0.003 χ^2/NDF : 6502.5/59

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -10.635 ± 0.473 $\chi^2/\text{NDF}: 966.9/17$

Left Out: -27.408 ± 0.137 $\chi^2/\text{NDF}: 14850.5/24$

Right Out: -5.966 ± 0.507 $\chi^2/\text{NDF}: 2573.0/17$

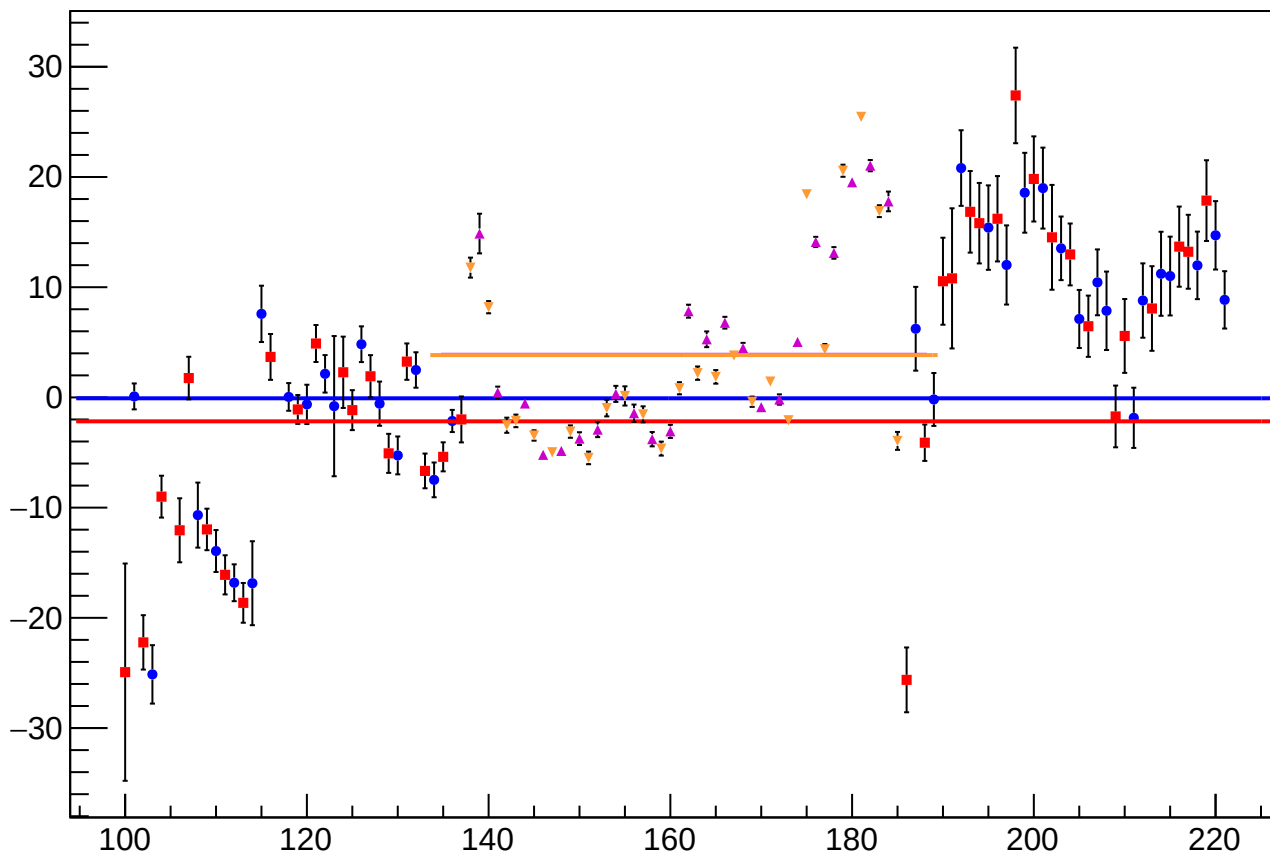
Left In: -27.243 ± 0.139 $\chi^2/\text{NDF}: 11305.2/22$

+ sign -26.114 ± 0.131 $\chi^2/\text{NDF}: 16976.6/42$

All: -25.934 ± 0.094 $\chi^2/\text{NDF}: 32498.6/83$

- sign -25.746 ± 0.134 $\chi^2/\text{NDF}: 15518.2/40$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -0.080 ± 0.360 χ^2/NDF : 576.6/34

Left Out: 3.841 ± 0.109 χ^2/NDF : 6939.2/24

Right Out: -2.171 ± 0.372 χ^2/NDF : 697.7/36

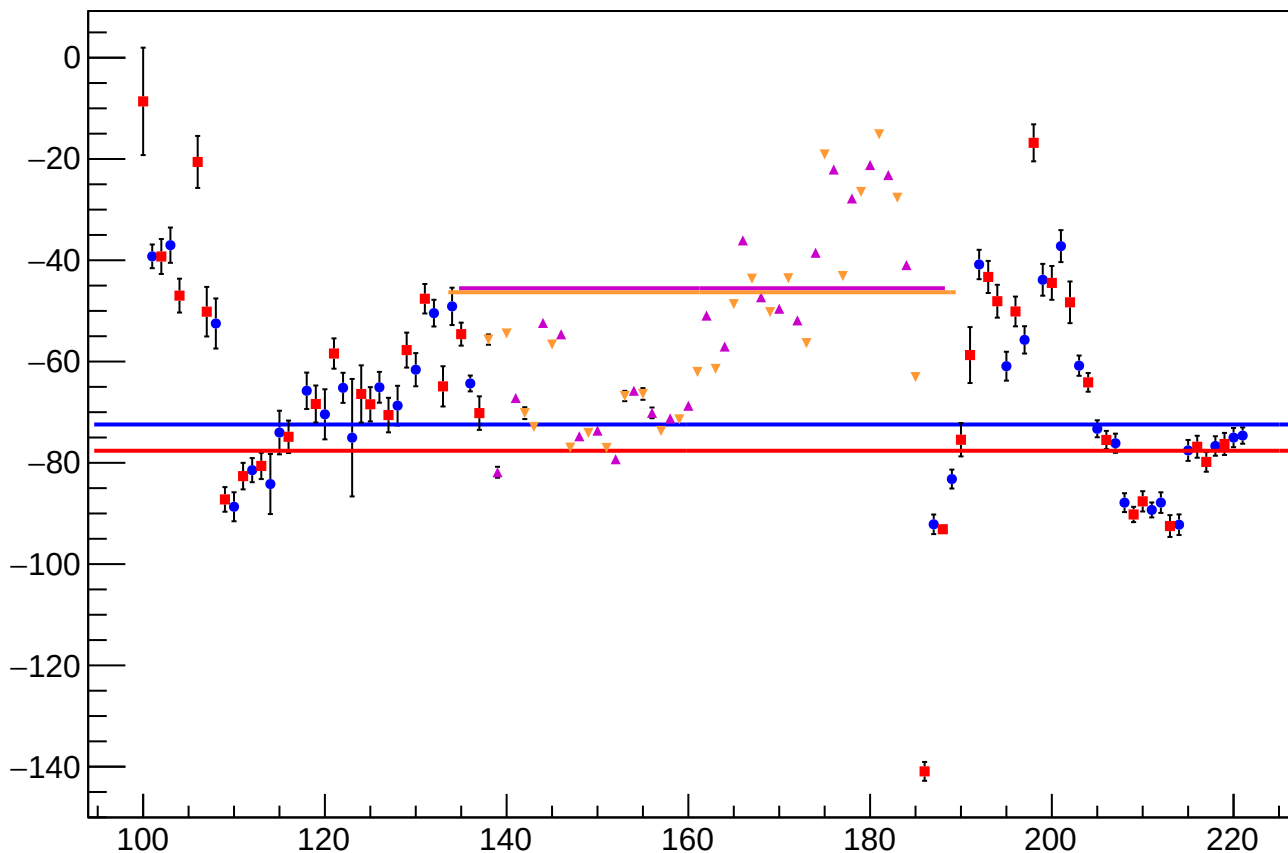
Left In: 3.866 ± 0.111 χ^2/NDF : 5424.0/22

+ sign 3.511 ± 0.105 χ^2/NDF : 7624.3/59

All: 3.443 ± 0.075 χ^2/NDF : 13988.2/119

- sign 3.372 ± 0.107 χ^2/NDF : 6363.1/59

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -72.431 ± 0.401 $\chi^2/\text{NDF}: 1456.5/34$

Left Out: -46.318 ± 0.138 $\chi^2/\text{NDF}: 20134.6/24$

Right Out: -77.617 ± 0.407 $\chi^2/\text{NDF}: 3100.7/36$

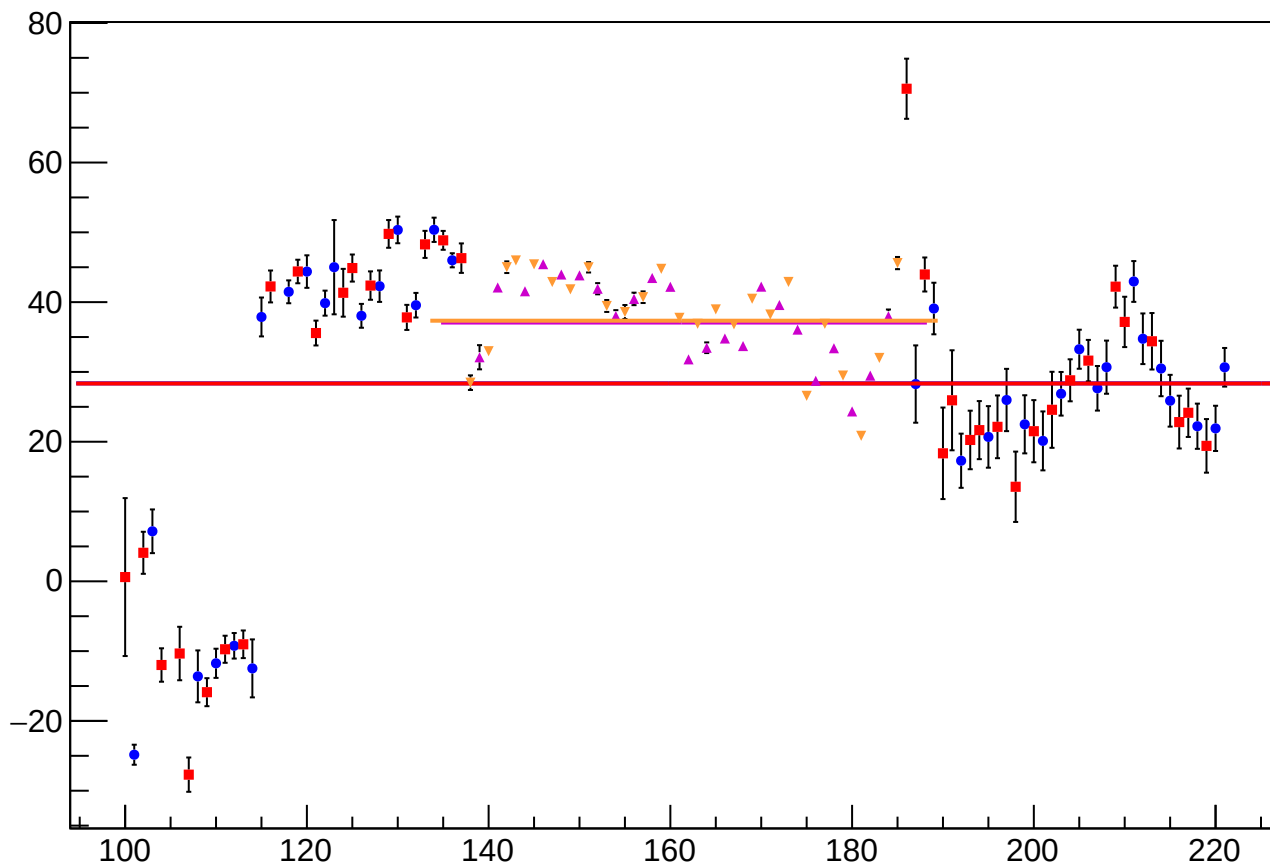
Left In: -45.522 ± 0.140 $\chi^2/\text{NDF}: 17525.4/22$

+ sign -49.085 ± 0.130 $\chi^2/\text{NDF}: 25389.5/59$

All: -48.999 ± 0.093 $\chi^2/\text{NDF}: 51586.1/119$

- sign -48.910 ± 0.132 $\chi^2/\text{NDF}: 26195.7/59$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.363 ± 0.403 χ^2/NDF : 3377.4/34

Left Out: 37.340 ± 0.123 χ^2/NDF : 3149.1/24

Right Out: 28.340 ± 0.423 χ^2/NDF : 3234.5/36

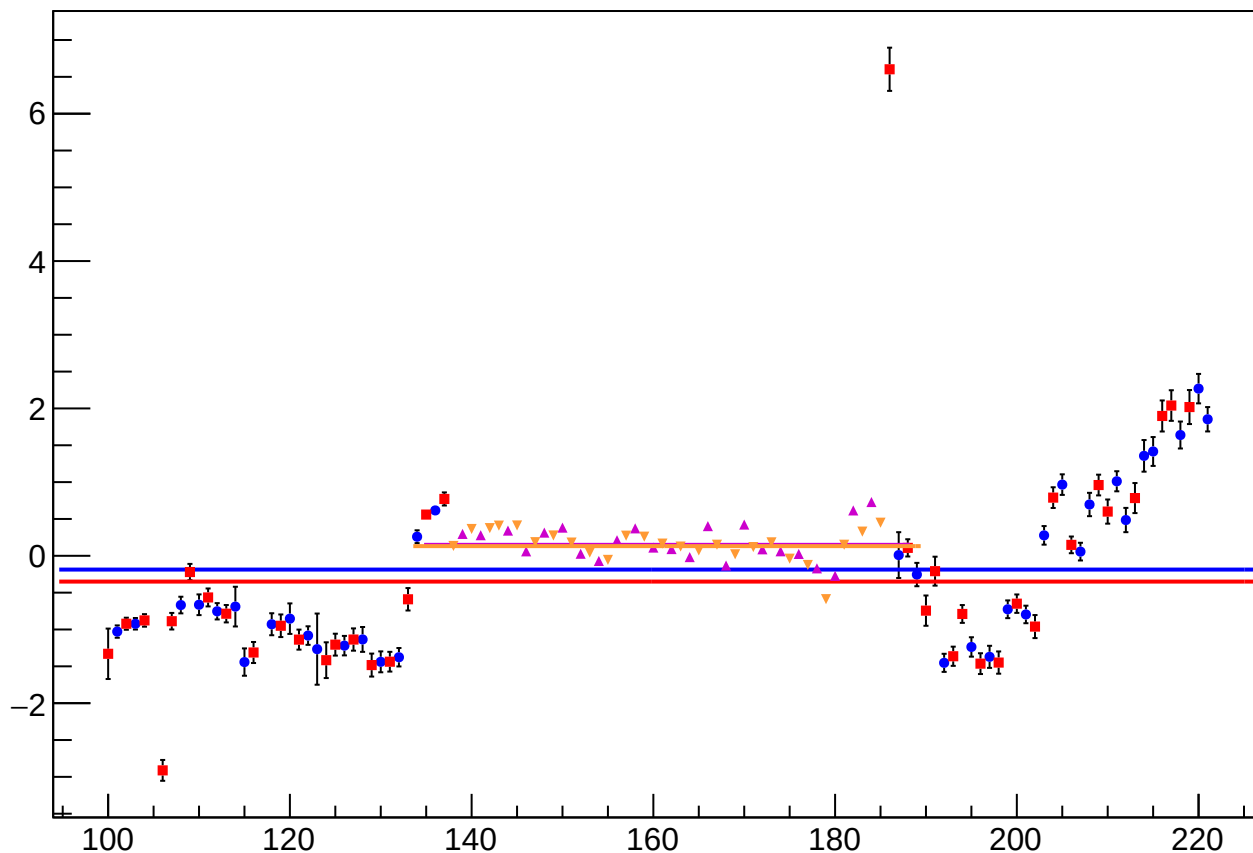
Left In: 37.074 ± 0.125 χ^2/NDF : 2397.3/22

+ sign 36.578 ± 0.118 χ^2/NDF : 6979.6/59

All: 36.476 ± 0.084 χ^2/NDF : 13005.2/119

- sign 36.370 ± 0.120 χ^2/NDF : 6024.1/59

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.187 ± 0.020 χ^2/NDF : 2051.0/34

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 0.109 ± 0.005 χ^2/NDF : 3704.3/59

All: 0.111 ± 0.004 χ^2/NDF : 8612.5/119

- sign 0.114 ± 0.006 χ^2/NDF : 4907.7/59

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.175 ± 0.123 $\chi^2/\text{NDF}: 568.4/17$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: 1.033 ± 0.130 $\chi^2/\text{NDF}: 1488.2/17$

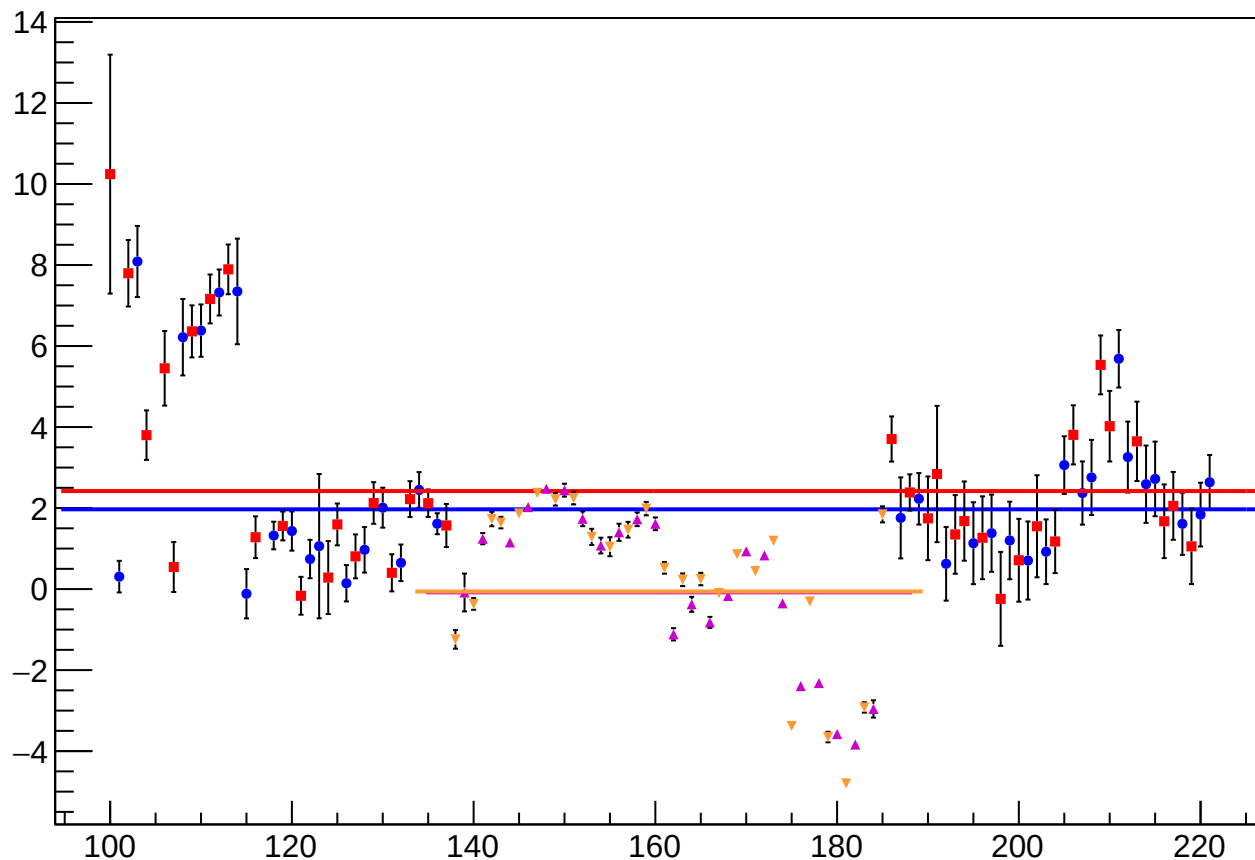
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.355 ± 0.033 $\chi^2/\text{NDF}: 14200.5/42$

All: 7.326 ± 0.024 $\chi^2/\text{NDF}: 26531.1/83$

- sign 7.296 ± 0.034 $\chi^2/\text{NDF}: 12329.0/40$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.969 ± 0.100 $\chi^2/\text{NDF}: 337.0/34$

Left Out: -0.059 ± 0.028 $\chi^2/\text{NDF}: 6068.8/24$

Right Out: 2.420 ± 0.104 $\chi^2/\text{NDF}: 385.6/36$

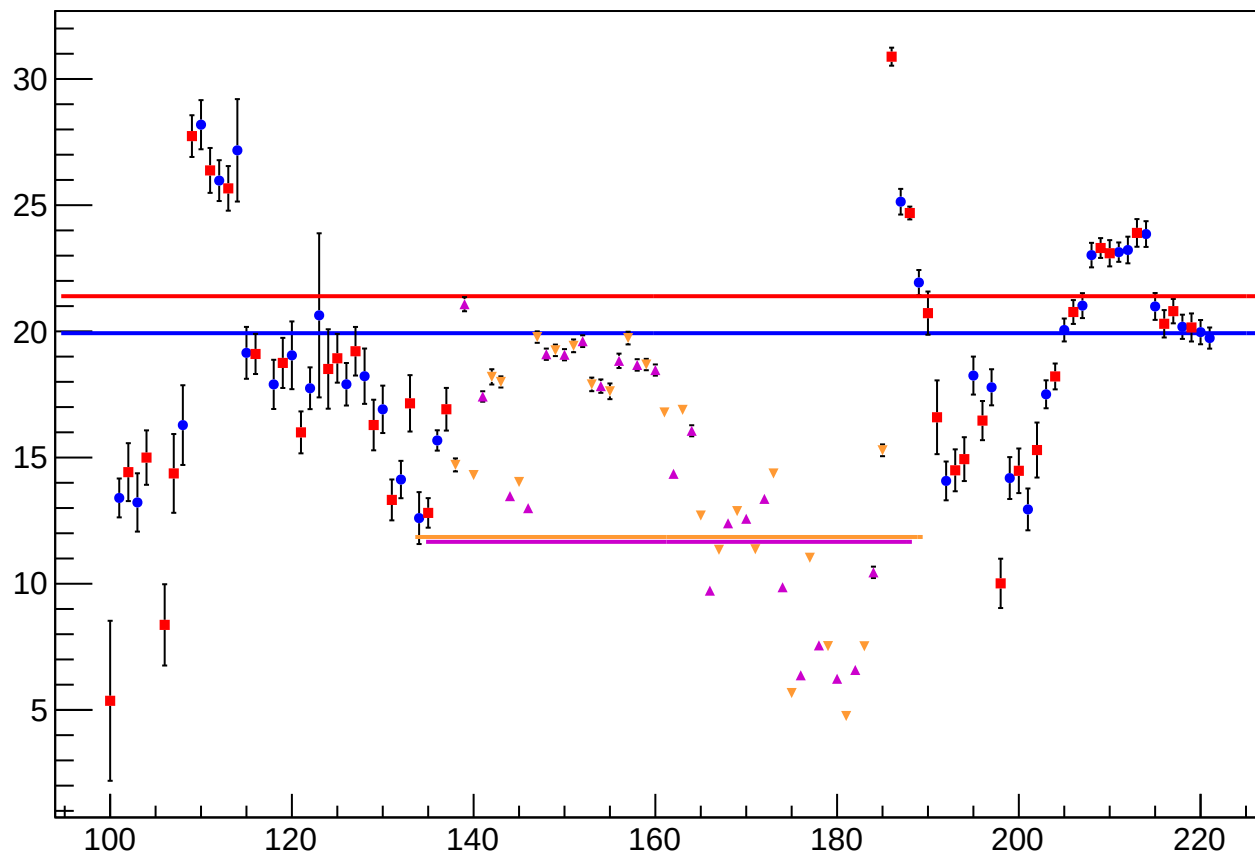
Left In: -0.080 ± 0.028 $\chi^2/\text{NDF}: 4979.5/22$

+ sign 0.084 ± 0.027 $\chi^2/\text{NDF}: 6784.5/59$

All: 0.088 ± 0.019 $\chi^2/\text{NDF}: 12689.9/119$

- sign 0.092 ± 0.027 $\chi^2/\text{NDF}: 5905.3/59$

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.928 ± 0.107 χ^2/NDF : 1054.8/34

Left Out: 11.853 ± 0.035 χ^2/NDF : 19149.4/24

Right Out: 21.393 ± 0.108 χ^2/NDF : 2138.2/36

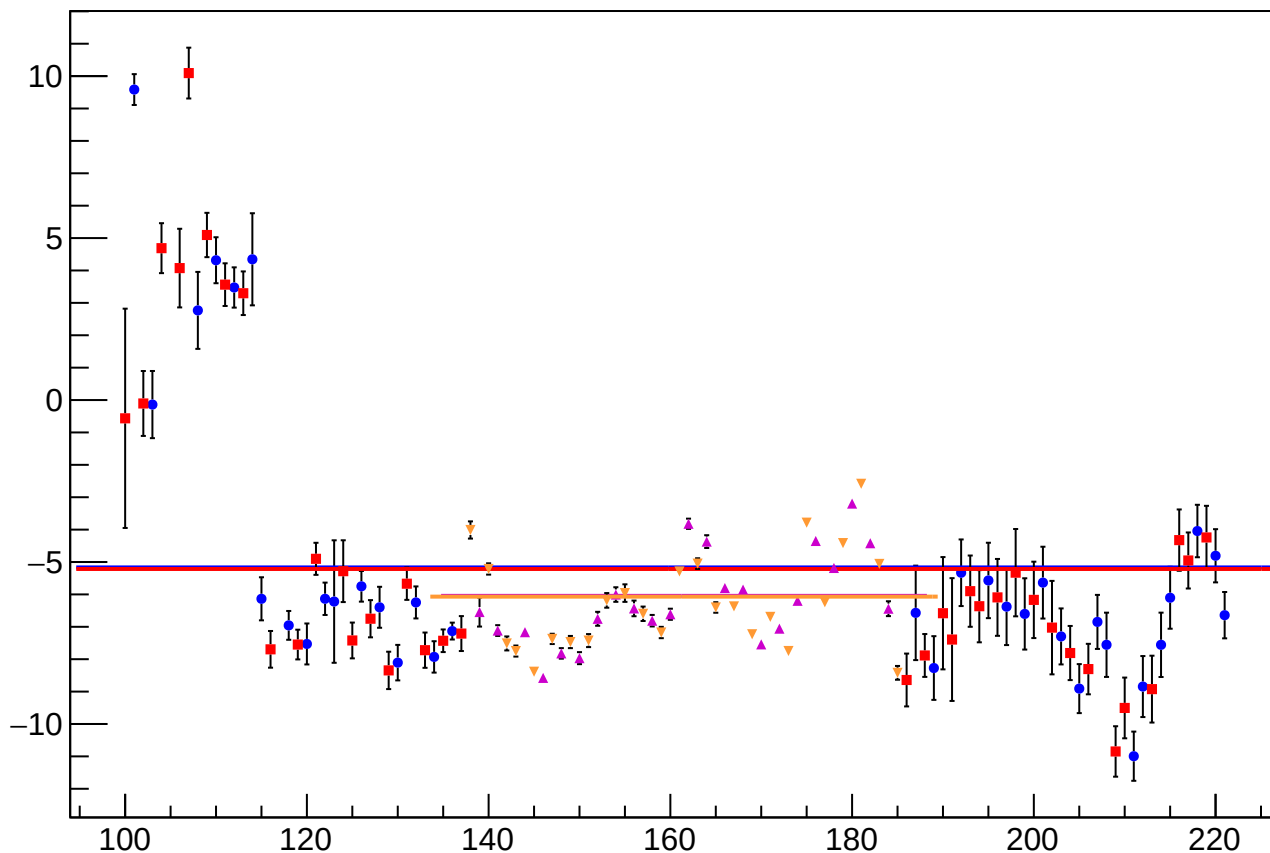
Left In: 11.660 ± 0.035 χ^2/NDF : 16710.2/22

+ sign 12.617 ± 0.033 χ^2/NDF : 25333.2/59

All: 12.608 ± 0.023 χ^2/NDF : 51567.4/119

- sign 12.600 ± 0.033 χ^2/NDF : 26234.1/59

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.167 ± 0.112 χ^2/NDF : 1750.8/34

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -5.214 ± 0.118 χ^2/NDF : 1524.5/36

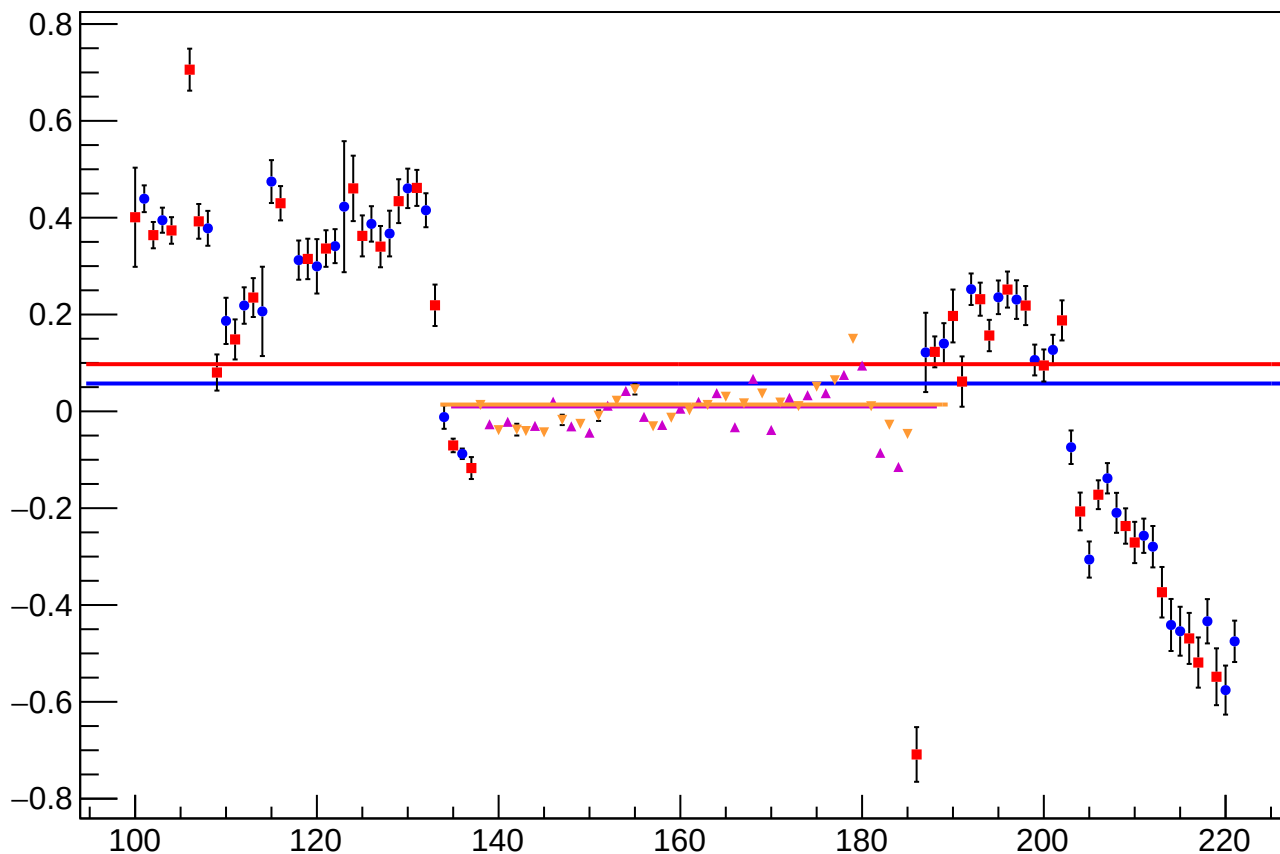
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -6.004 ± 0.030 χ^2/NDF : 4482.6/59

All: -5.997 ± 0.021 χ^2/NDF : 8347.3/119

- sign -5.989 ± 0.031 χ^2/NDF : 3864.5/59

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.058 $\pm$ 0.006 χ^2 /NDF: 2240.8/34

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

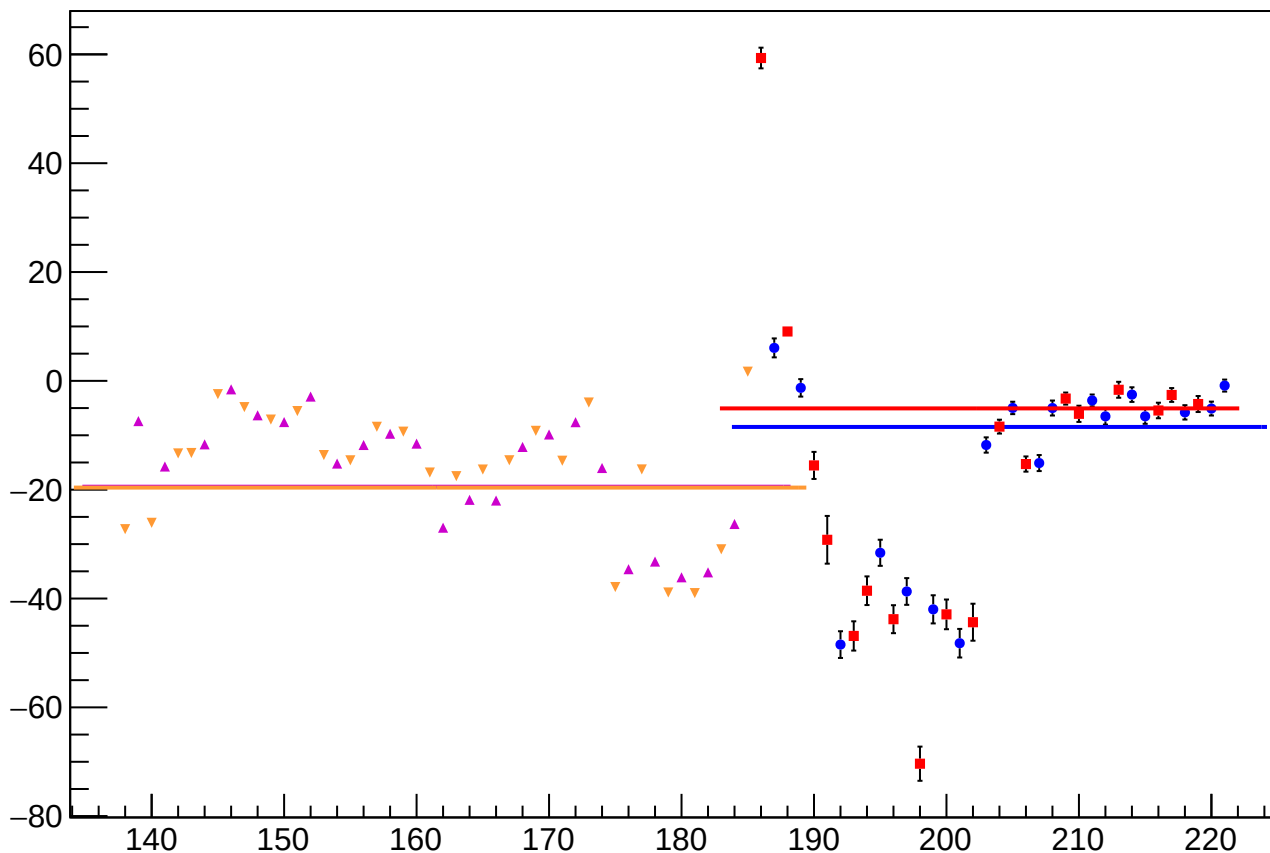
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1216.1/22

+ sign 0.017 $\pm$ 0.001 χ^2 /NDF: 3253.3/59

All: 0.016 $\pm$ 0.001 χ^2 /NDF: 6830.4/119

- sign 0.015 $\pm$ 0.001 χ^2 /NDF: 3576.5/59

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -8.467 ± 0.351 χ^2/NDF : 1139.7/17

Left Out: -19.612 ± 0.103 χ^2/NDF : 15761.3/24

Right Out: -5.061 ± 0.376 χ^2/NDF : 2935.2/17

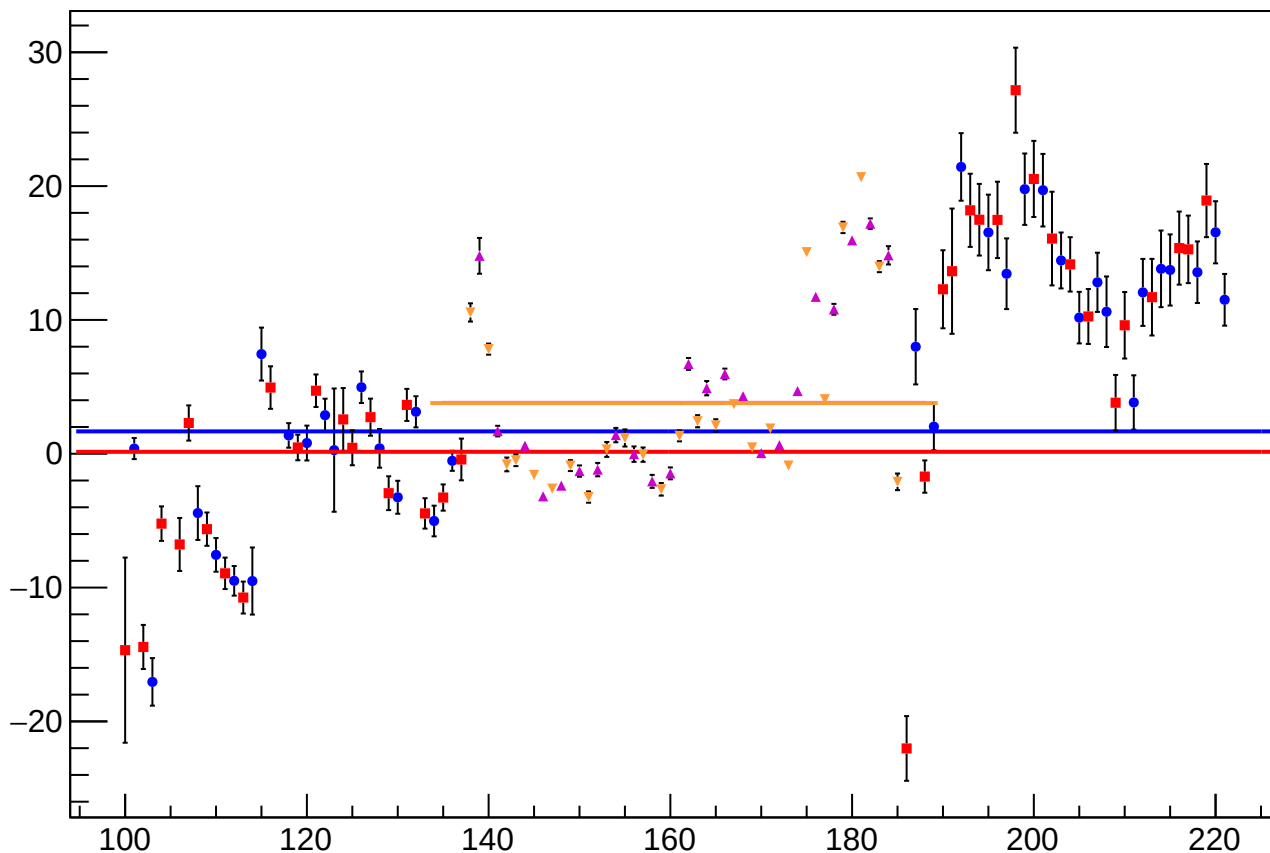
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -18.723 ± 0.099 χ^2/NDF : 17831.2/42

All: -18.569 ± 0.071 χ^2/NDF : 34412.0/83

- sign -18.409 ± 0.101 χ^2/NDF : 16575.9/40

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 1.671 $\pm$ 0.258 χ^2 /NDF: 826.2/34

Left Out: 3.788 $\pm$ 0.082 χ^2 /NDF: 7150.5/24

Right Out: 0.146 $\pm$ 0.267 χ^2 /NDF: 949.8/36

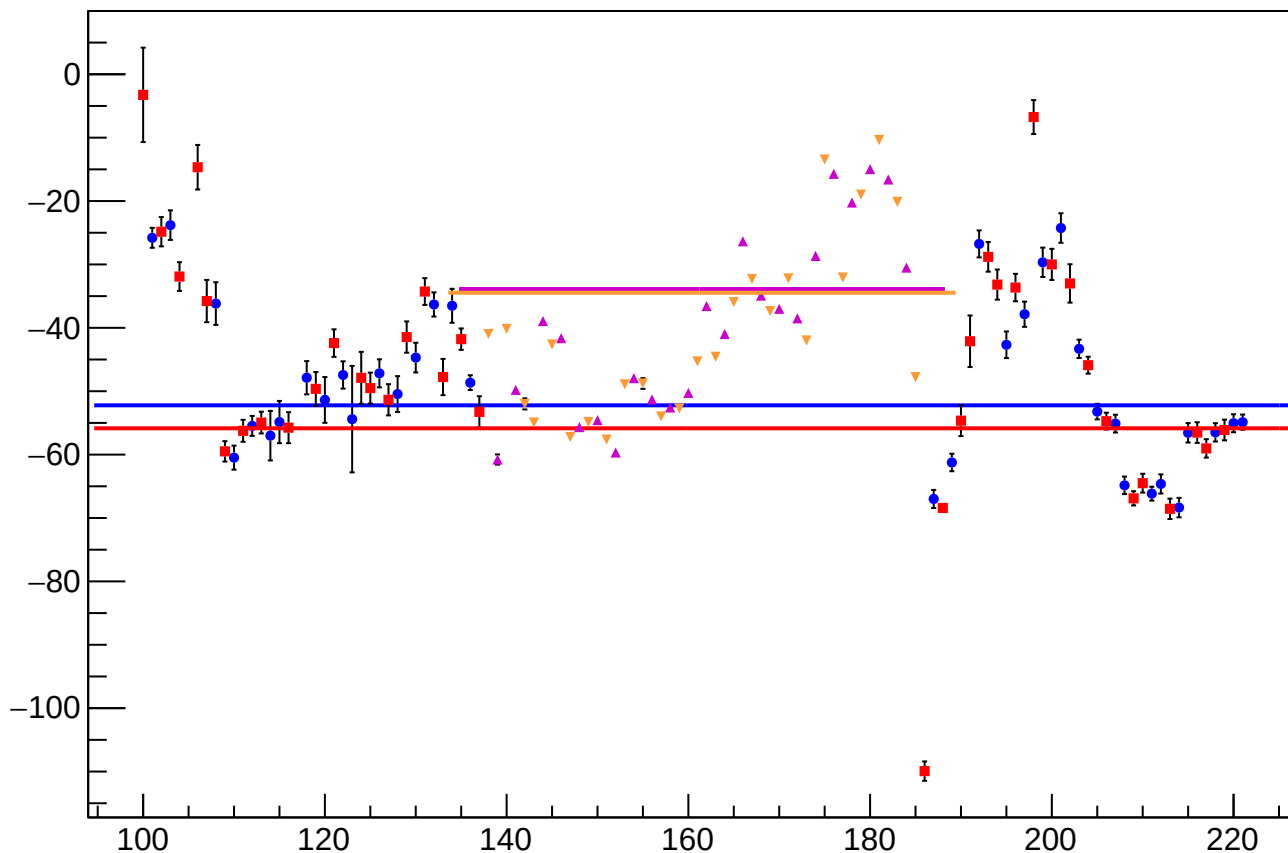
Left In: 3.799 $\pm$ 0.084 χ^2 /NDF: 5517.0/22

+ sign 3.594 $\pm$ 0.078 χ^2 /NDF: 8037.6/59

All: 3.534 $\pm$ 0.056 χ^2 /NDF: 14676.3/119

- sign 3.472 $\pm$ 0.080 χ^2 /NDF: 6637.5/59

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -52.228 $\pm$ 0.293 χ^2 /NDF: 1713.0/34

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

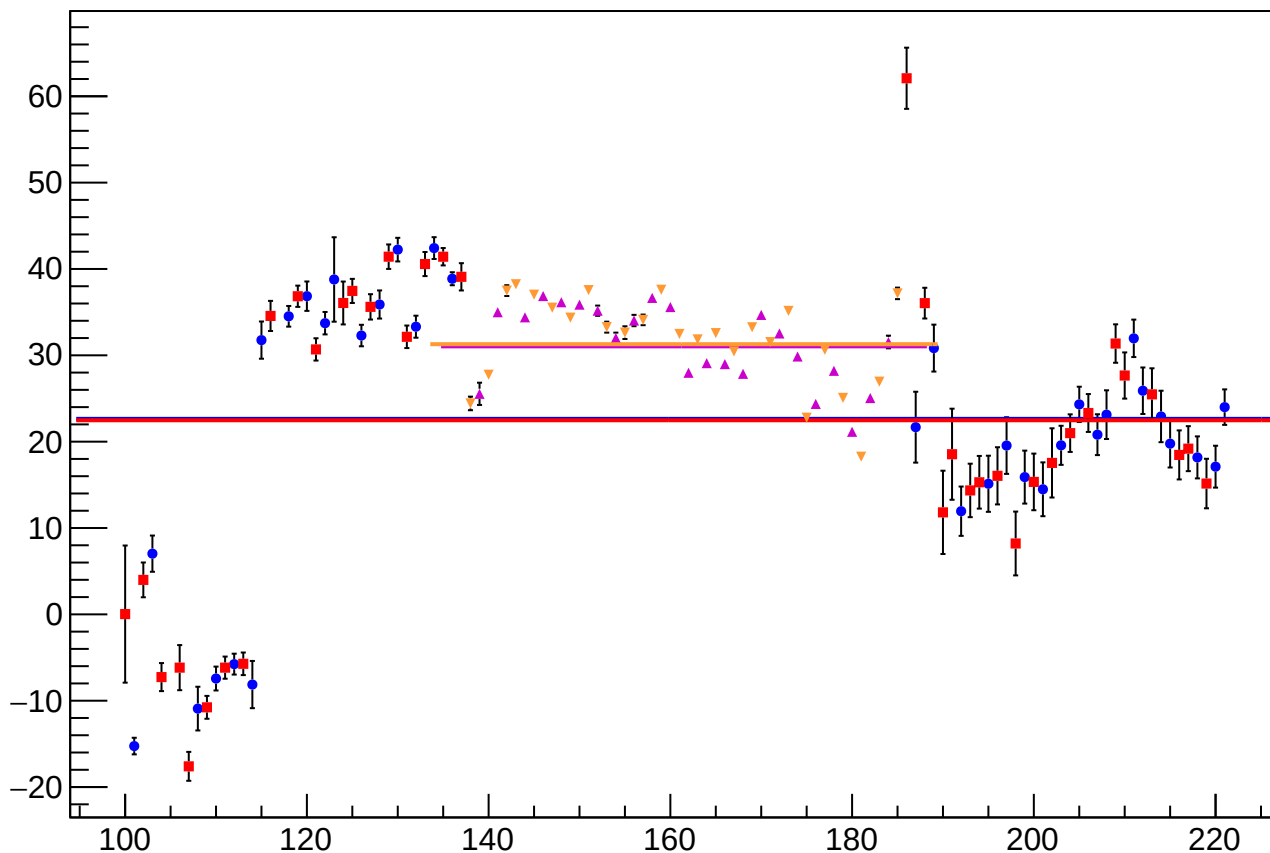
Left In: -33.875 $\pm$ 0.105 χ^2 /NDF: 17638.7/22

+ sign -36.461 $\pm$ 0.098 χ^2 /NDF: 25179.0/59

All: -36.395 $\pm$ 0.070 χ^2 /NDF: 51167.1/119

- sign -36.328 $\pm$ 0.099 χ^2 /NDF: 25987.1/59

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.641 $\pm$ 0.290 χ^2 /NDF: 4392.2/34

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.478 $\pm$ 0.303 χ^2 /NDF: 4288.6/36

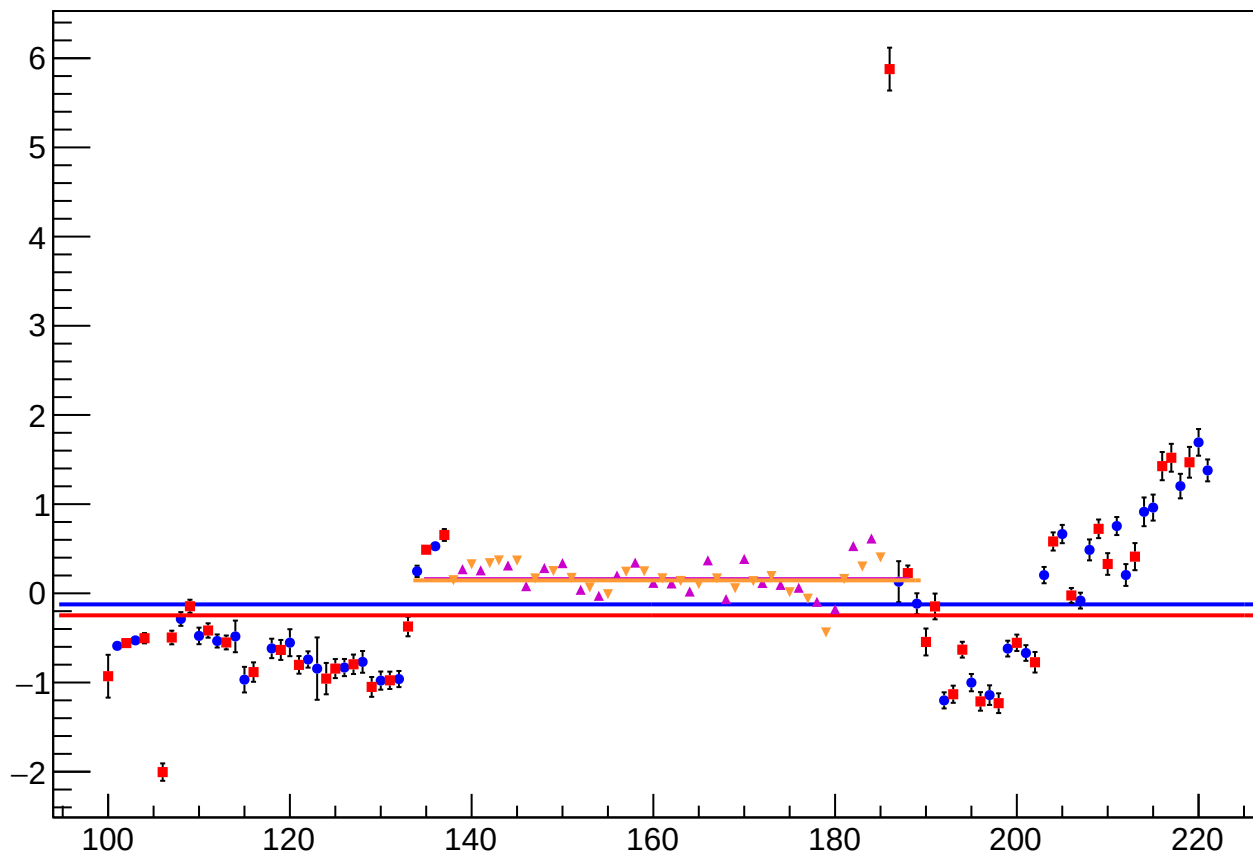
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.490 $\pm$ 0.088 χ^2 /NDF: 8544.4/59

All: 30.390 $\pm$ 0.063 χ^2 /NDF: 16043.5/119

- sign 30.285 $\pm$ 0.090 χ^2 /NDF: 7496.5/59

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.124 ± 0.015 χ^2/NDF : 2054.5/34

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.247 ± 0.015 χ^2/NDF : 2718.8/36

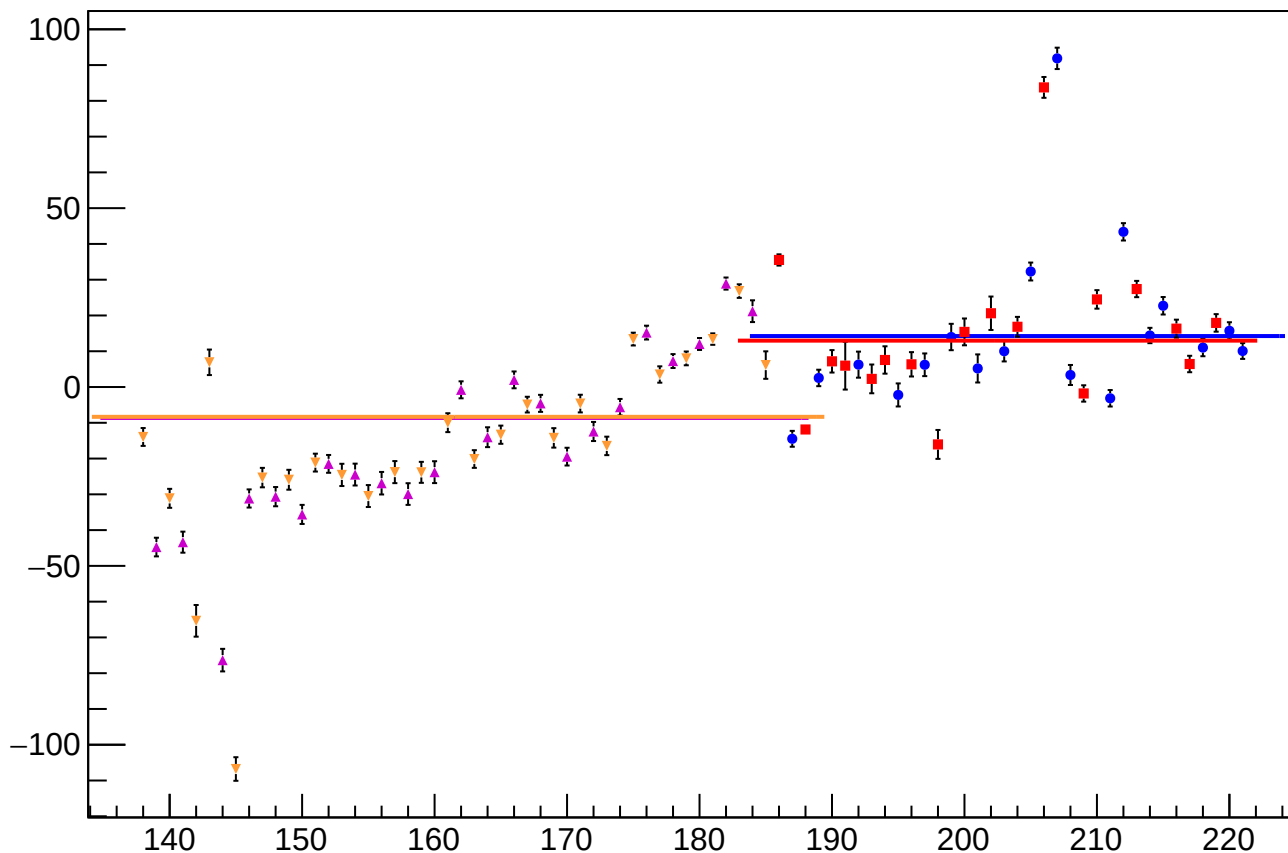
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.125 ± 0.004 χ^2/NDF : 3945.8/59

All: 0.126 ± 0.003 χ^2/NDF : 9347.1/119

- sign 0.128 ± 0.004 χ^2/NDF : 5401.0/59

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 14.247 ± 0.618 χ^2/NDF : 1198.9/17

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 12.968 ± 0.590 χ^2/NDF : 1388.6/17

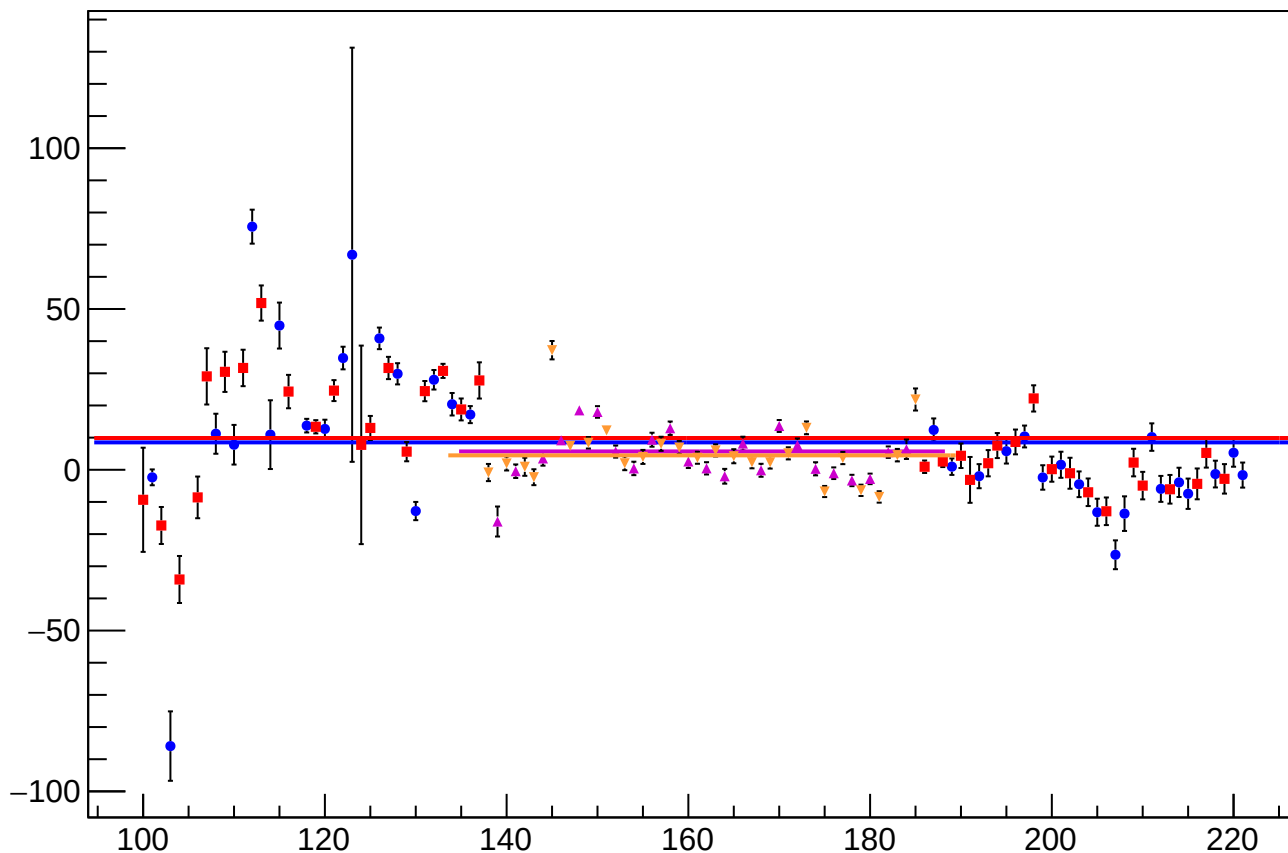
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign 0.590 ± 0.389 χ^2/NDF : 4232.2/42

All: 0.563 ± 0.273 χ^2/NDF : 8616.9/83

- sign 0.536 ± 0.385 χ^2/NDF : 4384.6/40

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 8.519 ± 0.629 χ^2/NDF : 791.9/34

Left Out: 4.484 ± 0.392 χ^2/NDF : 371.9/24

Right Out: 9.883 ± 0.609 χ^2/NDF : 517.9/36

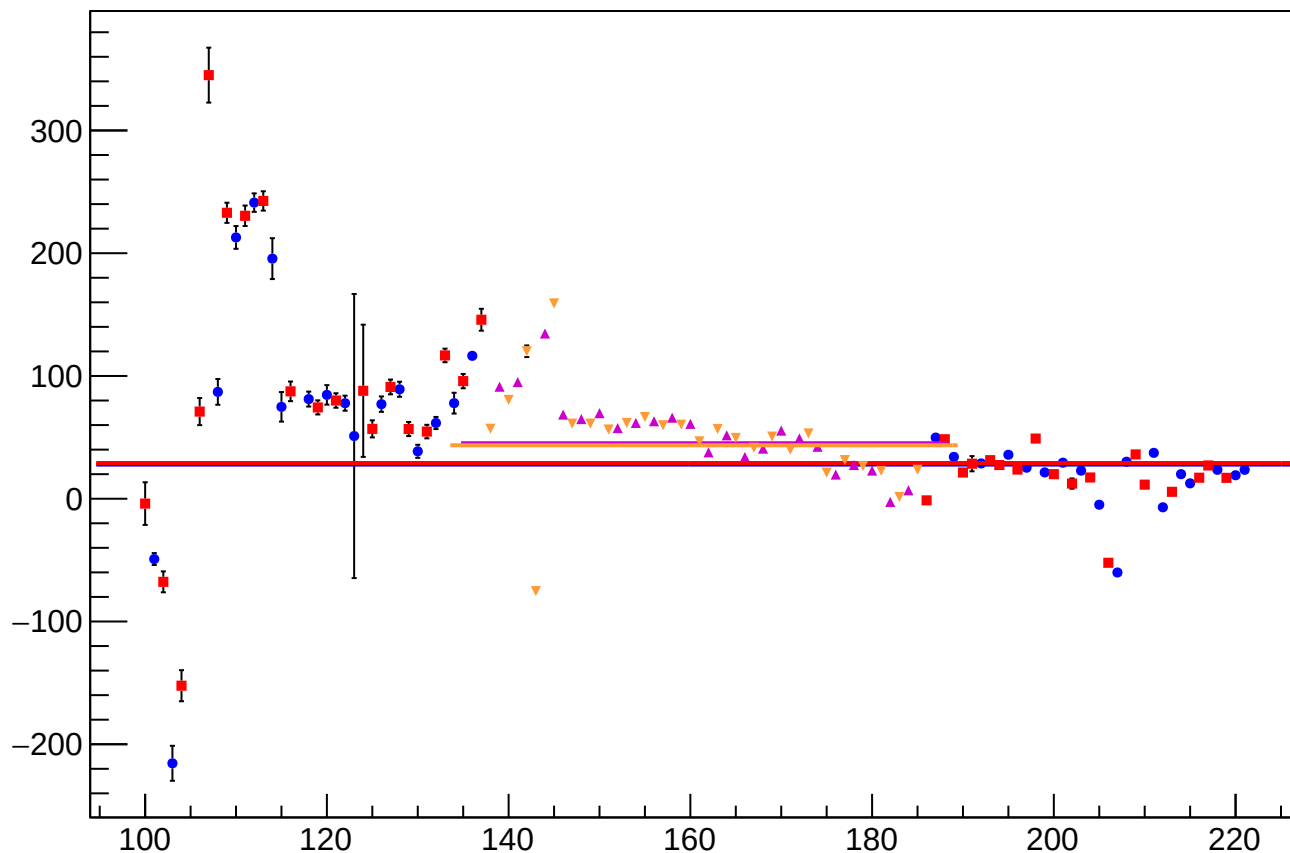
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 5.614 ± 0.333 χ^2/NDF : 1193.4/59

All: 6.290 ± 0.237 χ^2/NDF : 2076.4/119

- sign 6.983 ± 0.337 χ^2/NDF : 874.6/59

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 27.825 $\pm$ 0.566 χ^2 /NDF: 4365.4/34

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF: 3830.7/24

Right Out: 29.097 $\pm$ 0.514 χ^2 /NDF: 5487.3/36

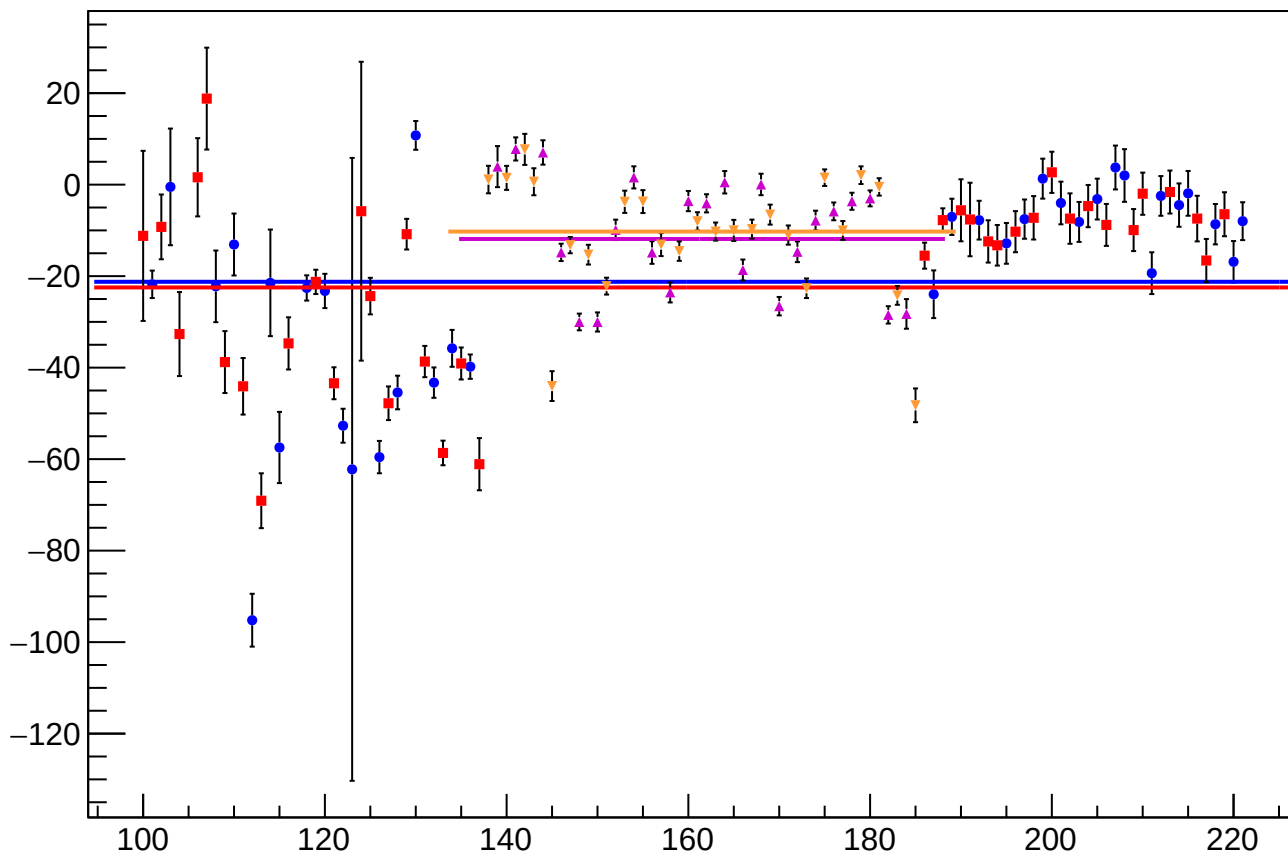
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

+ sign 36.672 $\pm$ 0.374 χ^2 /NDF: 8629.1/59

All: 37.004 $\pm$ 0.259 χ^2 /NDF: 17666.9/119

- sign 37.312 $\pm$ 0.360 χ^2 /NDF: 9036.3/59

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -21.233 ± 0.723 χ^2/NDF : 845.3/34

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -22.474 ± 0.726 χ^2/NDF : 683.6/36

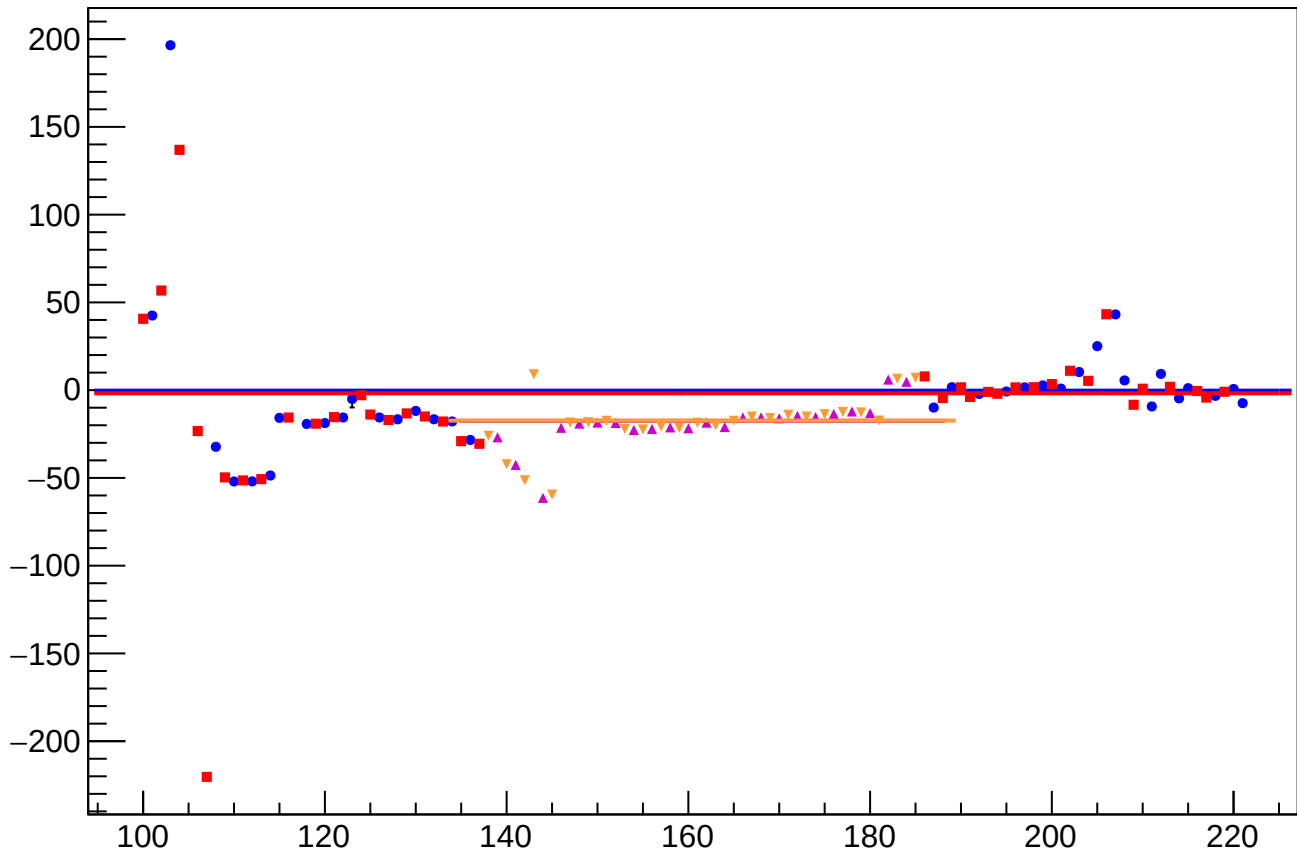
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.267 ± 0.378 χ^2/NDF : 1565.2/59

All: -14.055 ± 0.270 χ^2/NDF : 3076.6/119

- sign -14.875 ± 0.386 χ^2/NDF : 1502.6/59

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.285 ± 0.035 χ^2/NDF : 679321.9/34

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -1.804 ± 0.034 χ^2/NDF : 672422.7/36

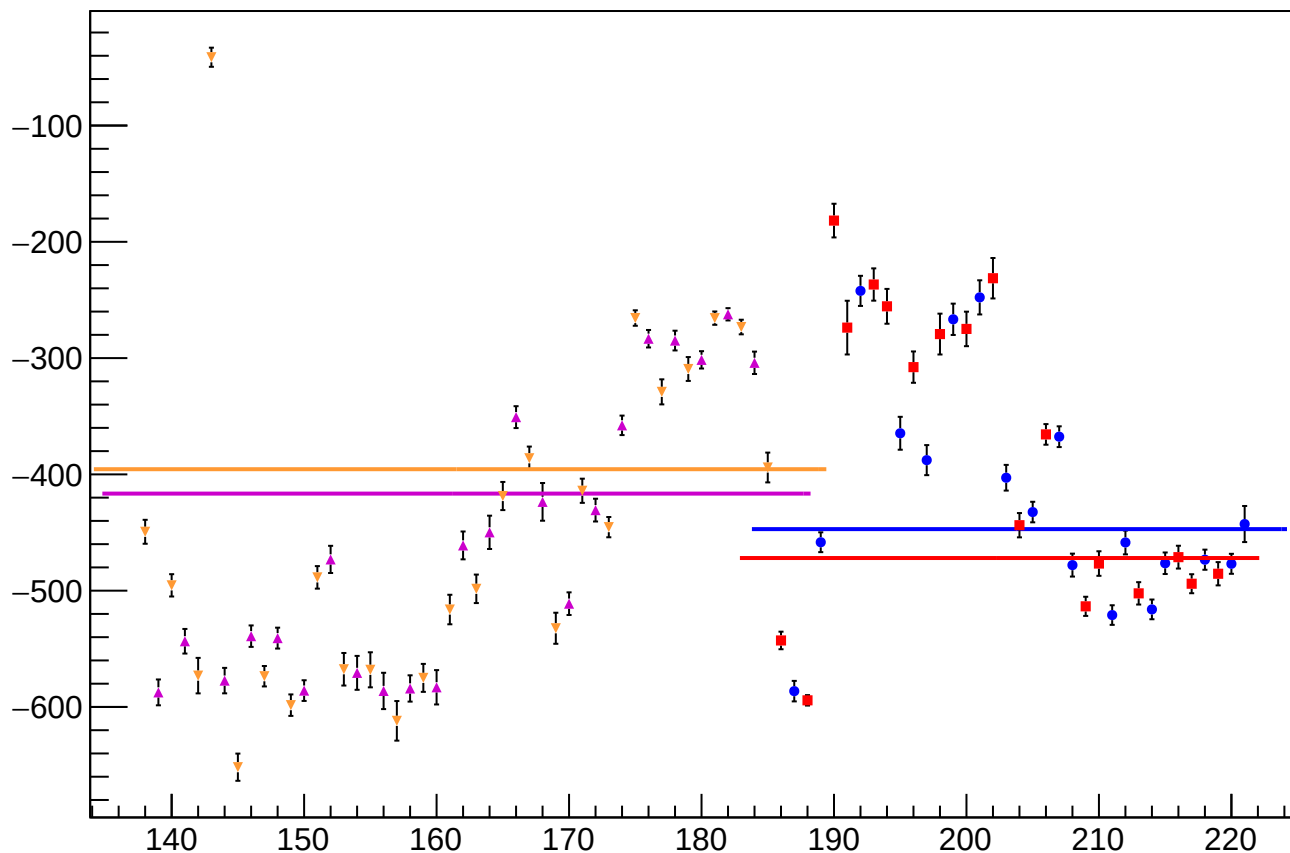
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -12.929 ± 0.018 χ^2/NDF : 1184927.8/59

All: -13.112 ± 0.012 χ^2/NDF : 2270648.8/119

- sign -13.298 ± 0.018 χ^2/NDF : 1085501.1/59

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -447.069 ± 2.372 χ^2/NDF : 1204.0/17

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -471.926 ± 2.283 χ^2/NDF : 2636.0/17

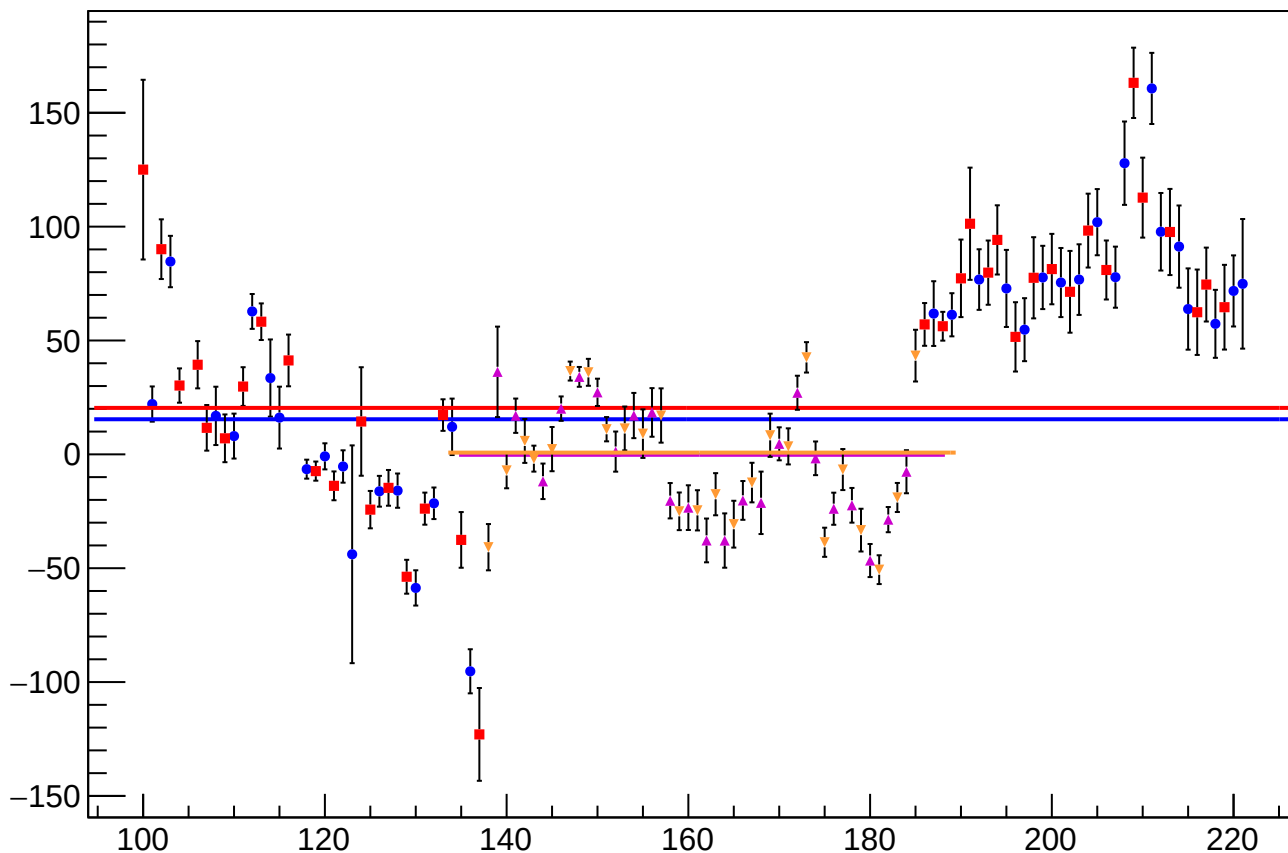
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -416.369 ± 1.508 χ^2/NDF : 7431.6/42

All: -428.520 ± 1.066 χ^2/NDF : 14446.9/83

- sign -440.645 ± 1.506 χ^2/NDF : 6885.5/40

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 15.410 ± 1.689 $\chi^2/\text{NDF}: 795.4/34$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 20.400 ± 1.650 $\chi^2/\text{NDF}: 748.2/36$

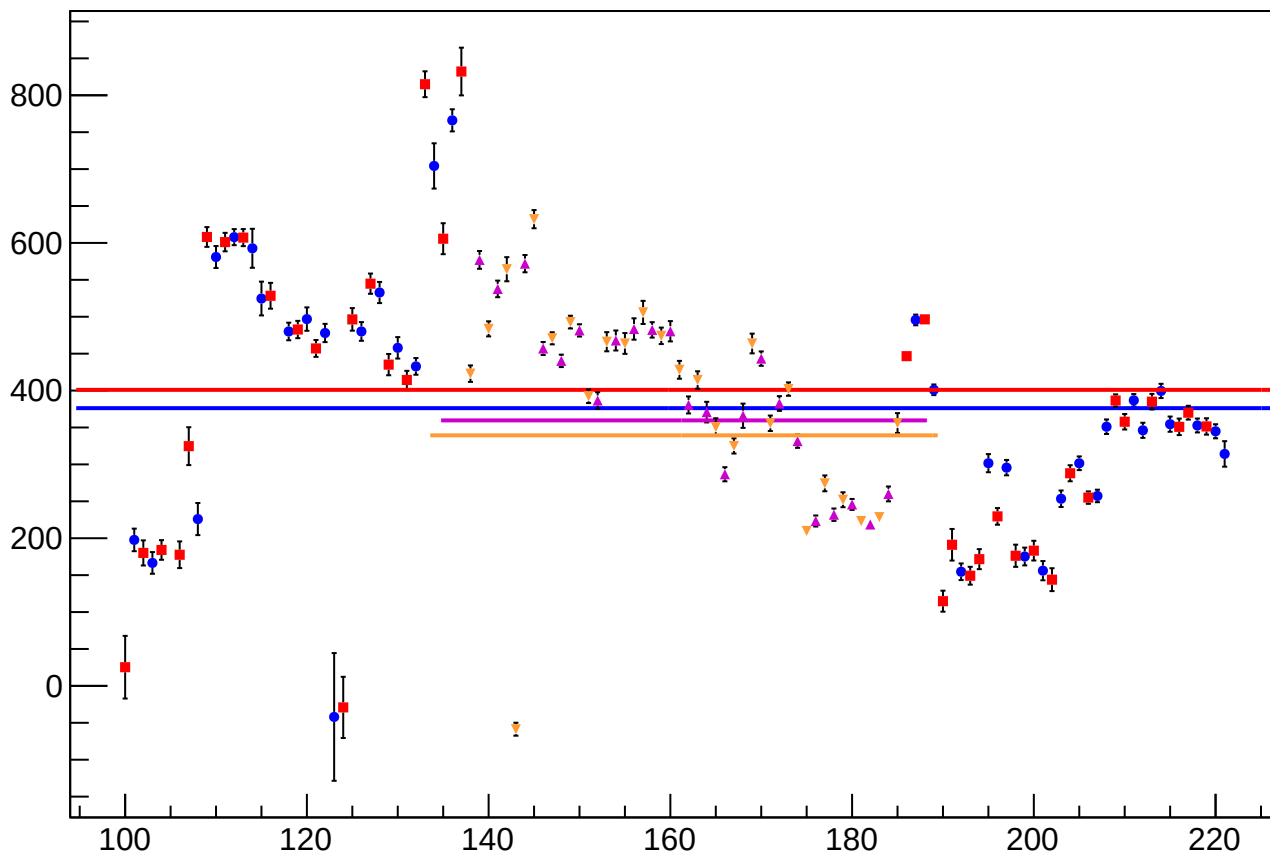
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 7.236 ± 1.123 $\chi^2/\text{NDF}: 1187.4/59$

All: 8.410 ± 0.800 $\chi^2/\text{NDF}: 2280.2/119$

- sign 9.620 ± 1.139 $\chi^2/\text{NDF}: 1090.6/59$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 376.184 ± 1.953 χ^2/NDF : 4167.7/34

Left Out: 339.355 ± 1.963 χ^2/NDF : 5502.5/24

Right Out: 400.980 ± 1.802 χ^2/NDF : 6165.0/36

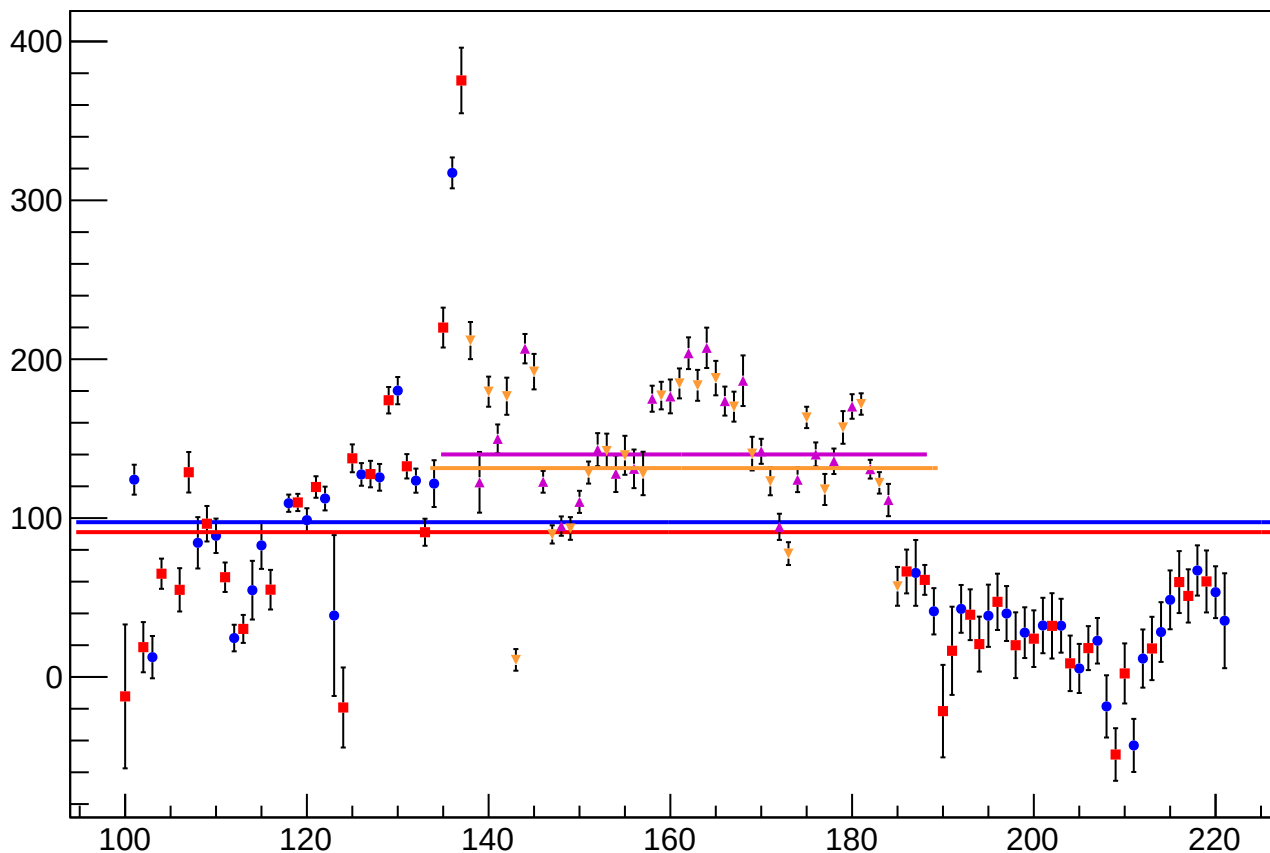
Left In: 359.609 ± 2.003 χ^2/NDF : 3398.5/22

+ sign 357.857 ± 1.384 χ^2/NDF : 9847.1/59

All: 370.568 ± 0.963 χ^2/NDF : 19809.6/119

- sign 382.468 ± 1.340 χ^2/NDF : 9799.3/59

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 97.420 $\pm$ 1.954 χ^2/NDF : 1114.7/34

Left Out: 131.464 $\pm$ 1.728 χ^2/NDF : 809.3/24

Right Out: 91.156 $\pm$ 1.930 χ^2/NDF : 906.3/36

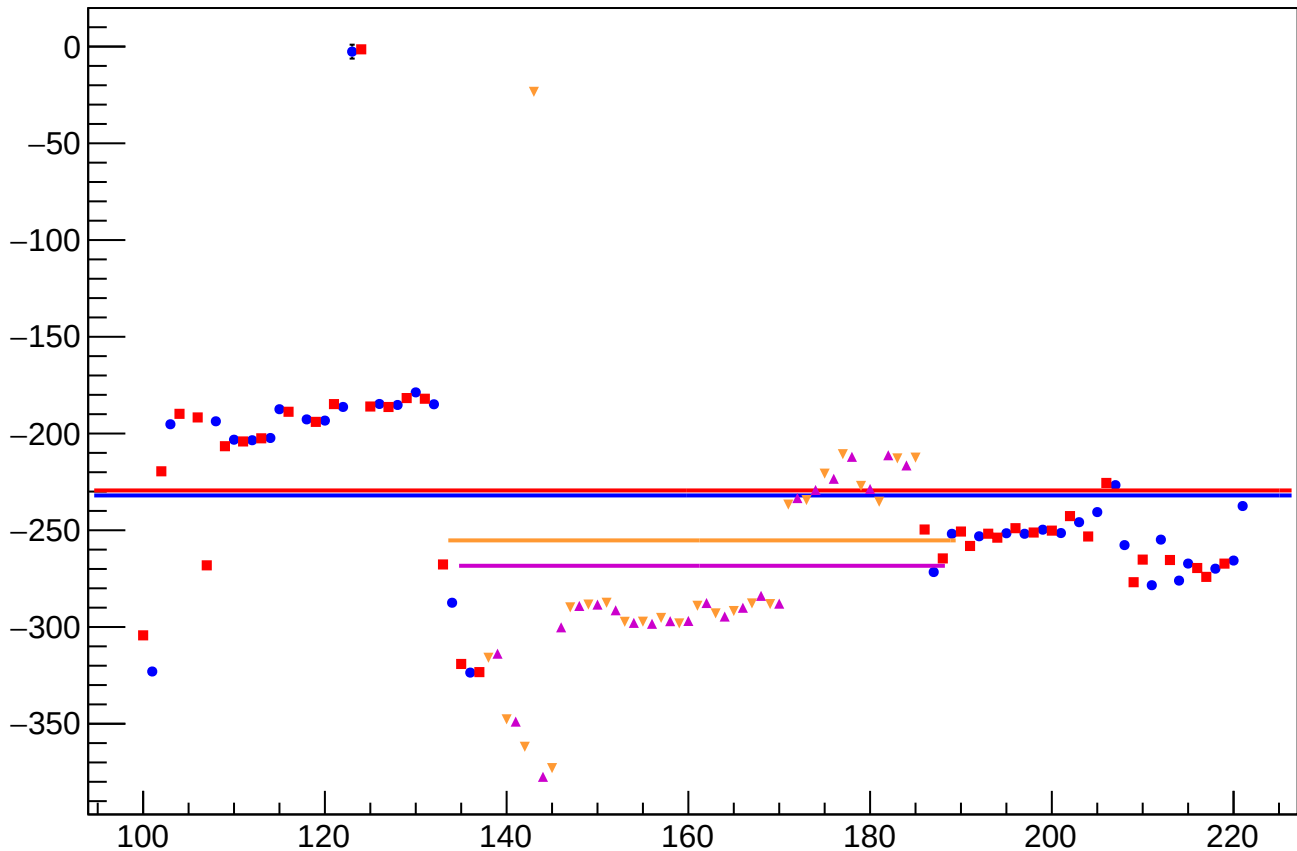
Left In: 140.069 $\pm$ 1.795 χ^2/NDF : 316.5/22

+ sign 116.527 $\pm$ 1.294 χ^2/NDF : 2094.4/59

All: 116.947 $\pm$ 0.922 χ^2/NDF : 3661.8/119

- sign 117.380 $\pm$ 1.314 χ^2/NDF : 1567.2/59

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -232.001 ± 0.104 χ^2/NDF : 179620.0/34

Left Out: -255.232 ± 0.082 χ^2/NDF : 728016.7/24

Right Out: -229.415 ± 0.100 χ^2/NDF : 161045.5/36

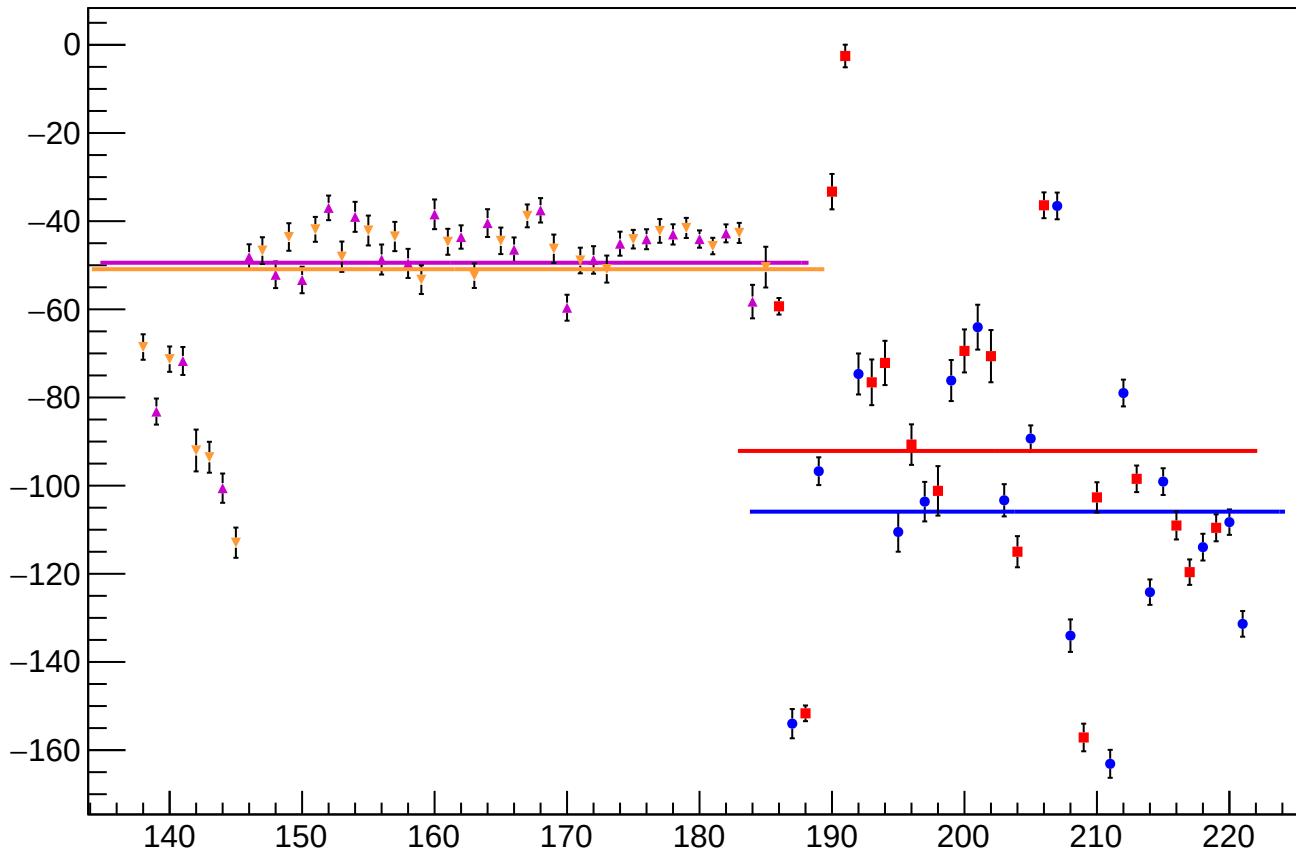
Left In: -268.353 ± 0.084 χ^2/NDF : 262479.3/22

+ sign -246.317 ± 0.064 χ^2/NDF : 938466.5/59

All: -249.334 ± 0.045 χ^2/NDF : 1455579.4/11

- sign -252.333 ± 0.064 χ^2/NDF : 512729.7/59

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -105.900 $\pm$ 0.797 χ^2/NDF : 1519.8/17

Left Out: -50.897 $\pm$ 0.573 χ^2/NDF : 761.1/24

Right Out: -92.126 $\pm$ 0.734 χ^2/NDF : 3914.8/17

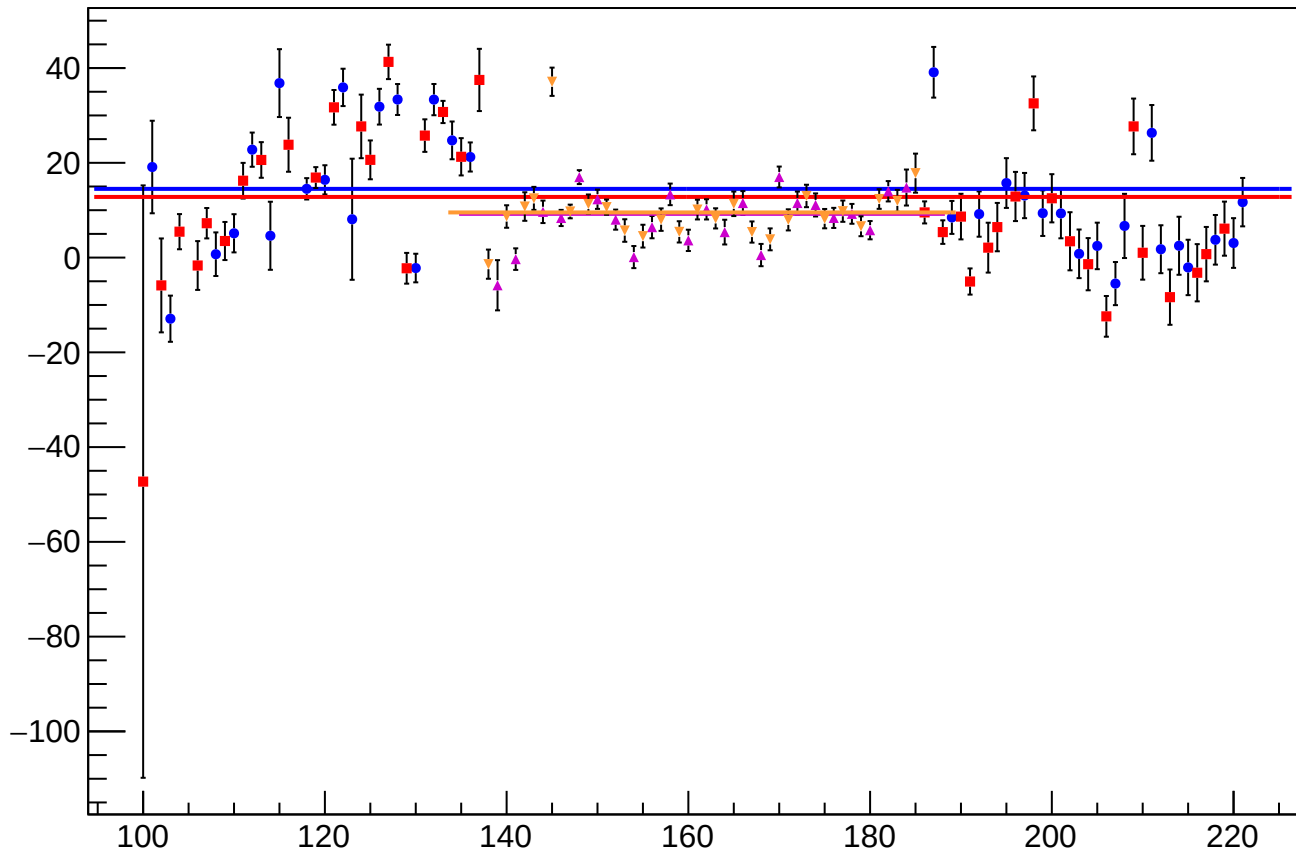
Left In: -49.432 $\pm$ 0.584 χ^2/NDF : 543.4/22

+ sign -69.634 $\pm$ 0.465 χ^2/NDF : 5422.3/42

All: -67.777 $\pm$ 0.326 χ^2/NDF : 11984.5/83

- sign -65.984 $\pm$ 0.457 χ^2/NDF : 6530.9/40

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 14.503 ± 0.727 $\chi^2/\text{NDF}: 315.4/34$

Left Out: 9.530 ± 0.446 $\chi^2/\text{NDF}: 134.4/24$

Right Out: 12.801 ± 0.655 $\chi^2/\text{NDF}: 398.0/36$

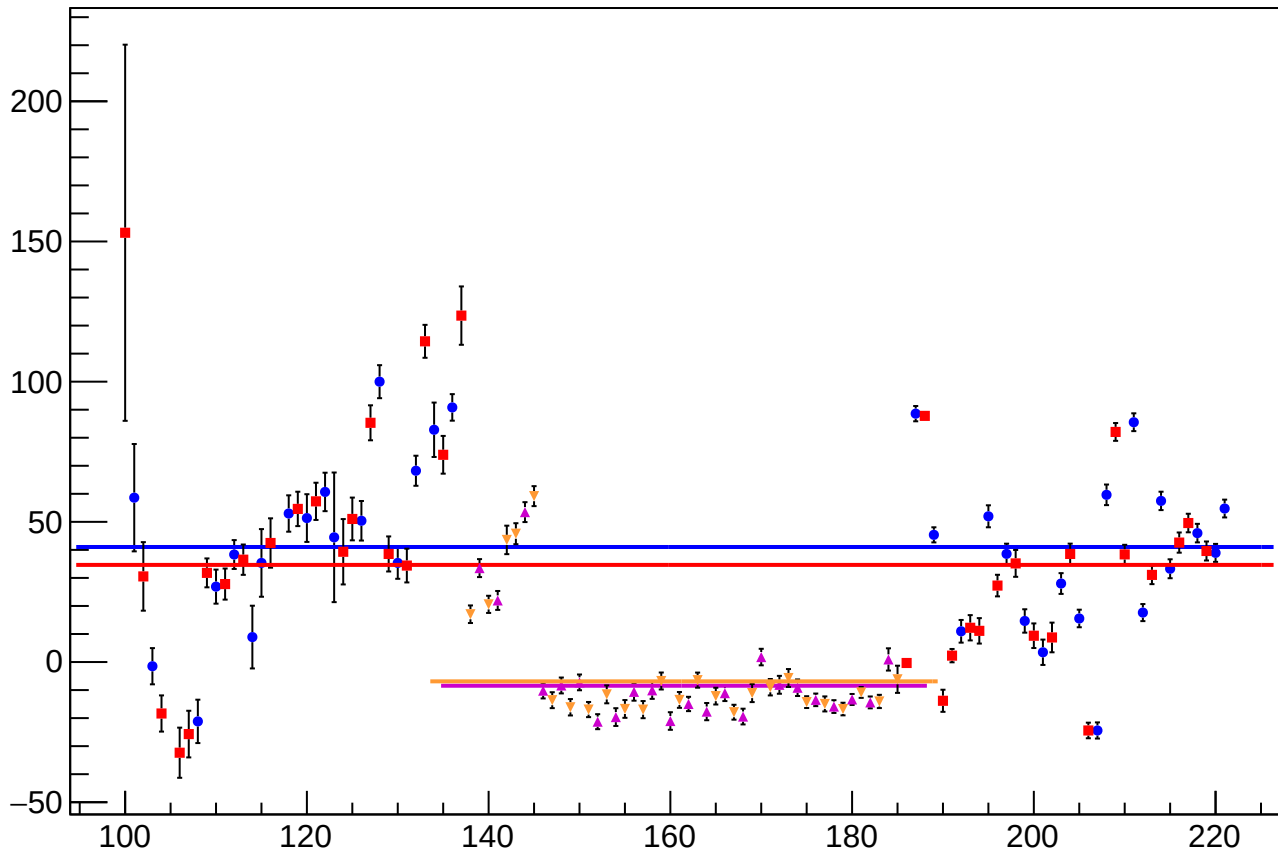
Left In: 9.231 ± 0.462 $\chi^2/\text{NDF}: 124.0/22$

+ sign 10.889 ± 0.380 $\chi^2/\text{NDF}: 483.7/59$

All: 10.651 ± 0.268 $\chi^2/\text{NDF}: 1026.4/119$

- sign 10.417 ± 0.377 $\chi^2/\text{NDF}: 541.8/59$

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 41.032 ± 0.711 $\chi^2/\text{NDF}: 1800.6/34$

Left Out: -6.888 ± 0.571 $\chi^2/\text{NDF}: 914.2/24$

Right Out: 34.645 ± 0.622 $\chi^2/\text{NDF}: 3626.6/36$

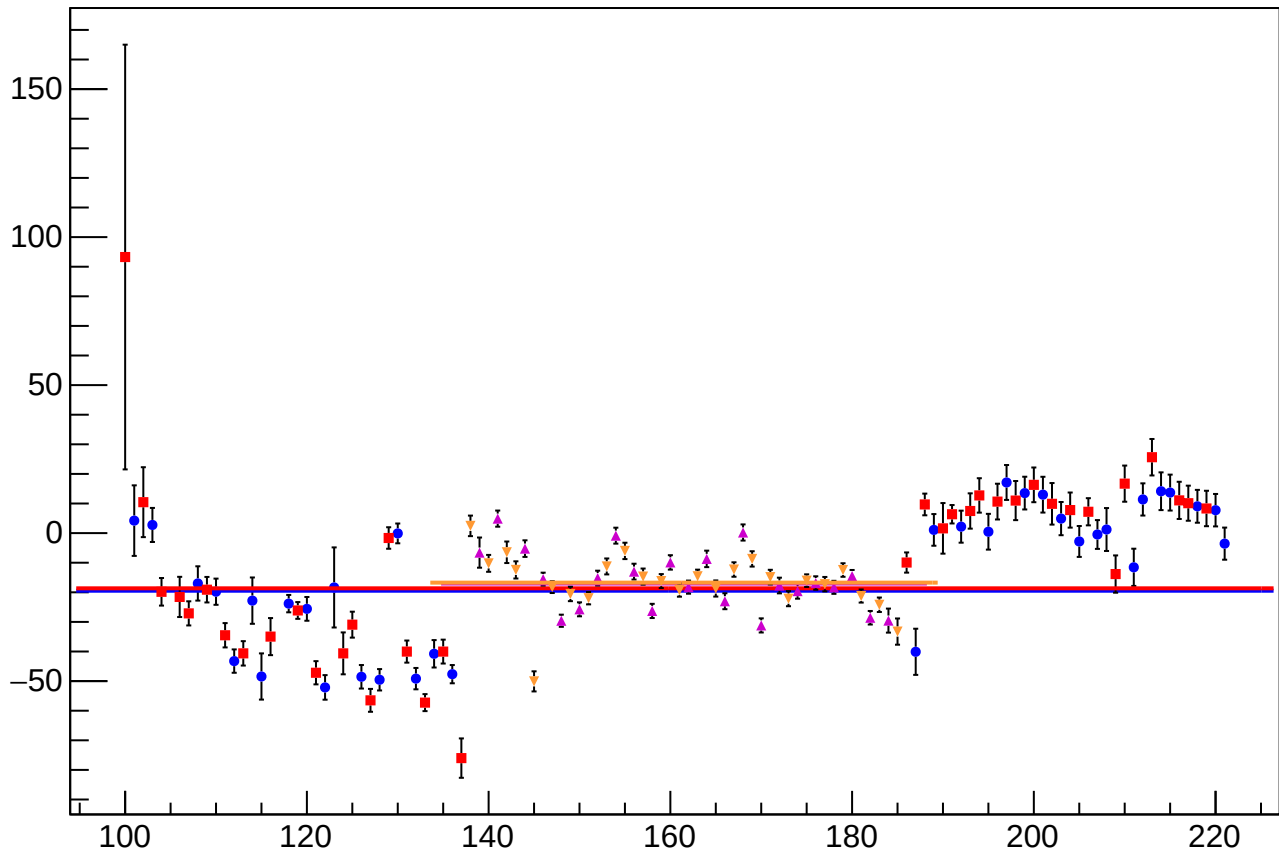
Left In: -8.451 ± 0.580 $\chi^2/\text{NDF}: 688.9/22$

+ sign 11.909 ± 0.445 $\chi^2/\text{NDF}: 5477.7/59$

All: 11.739 ± 0.307 $\chi^2/\text{NDF}: 12361.9/119$

- sign 11.584 ± 0.424 $\chi^2/\text{NDF}: 6883.9/59$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -19.461 ± 0.828 χ^2/NDF : 820.0/34

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -18.654 ± 0.770 χ^2/NDF : 1058.8/36

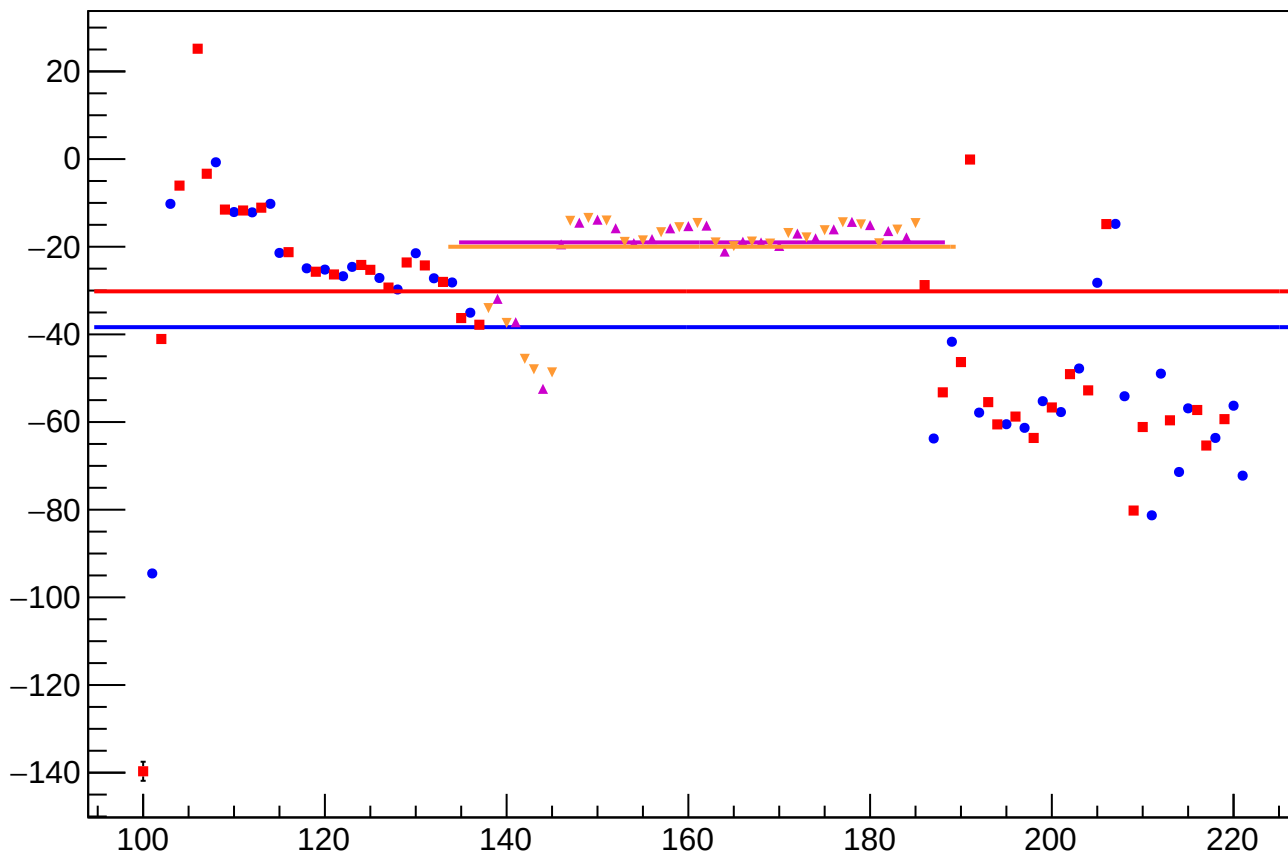
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -17.476 ± 0.432 χ^2/NDF : 1051.1/59

All: -17.506 ± 0.306 χ^2/NDF : 2440.6/119

- sign -17.536 ± 0.432 χ^2/NDF : 1389.5/59

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -38.352 ± 0.040 $\chi^2/\text{NDF}: 279928.3/34$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -30.179 ± 0.036 $\chi^2/\text{NDF}: 492513.6/36$

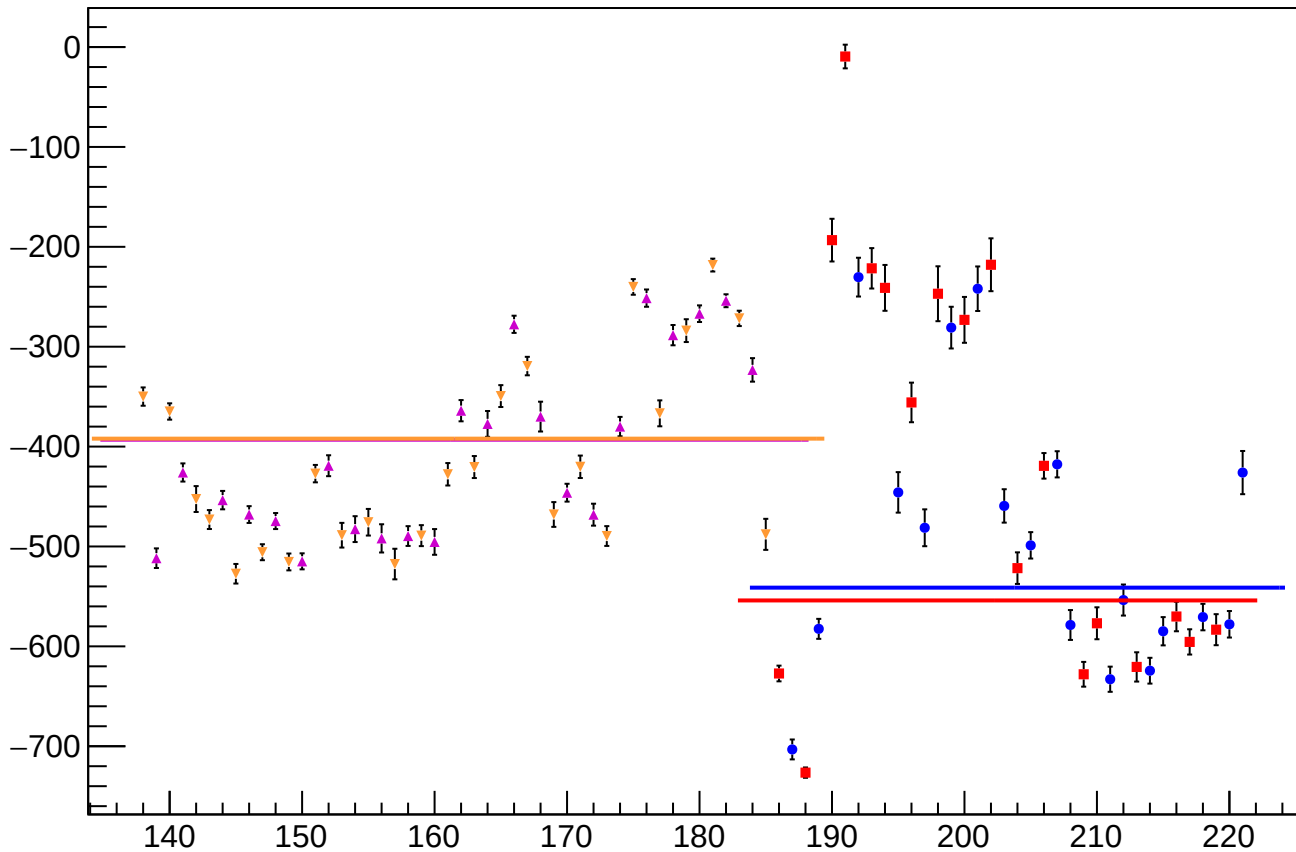
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -24.694 ± 0.020 $\chi^2/\text{NDF}: 584015.9/59$

All: -23.541 ± 0.014 $\chi^2/\text{NDF}: 1242131.9/119$

- sign -22.432 ± 0.020 $\chi^2/\text{NDF}: 651662.9/59$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -541.229 $\pm$ 3.392 χ^2 /NDF: 1180.8/17

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

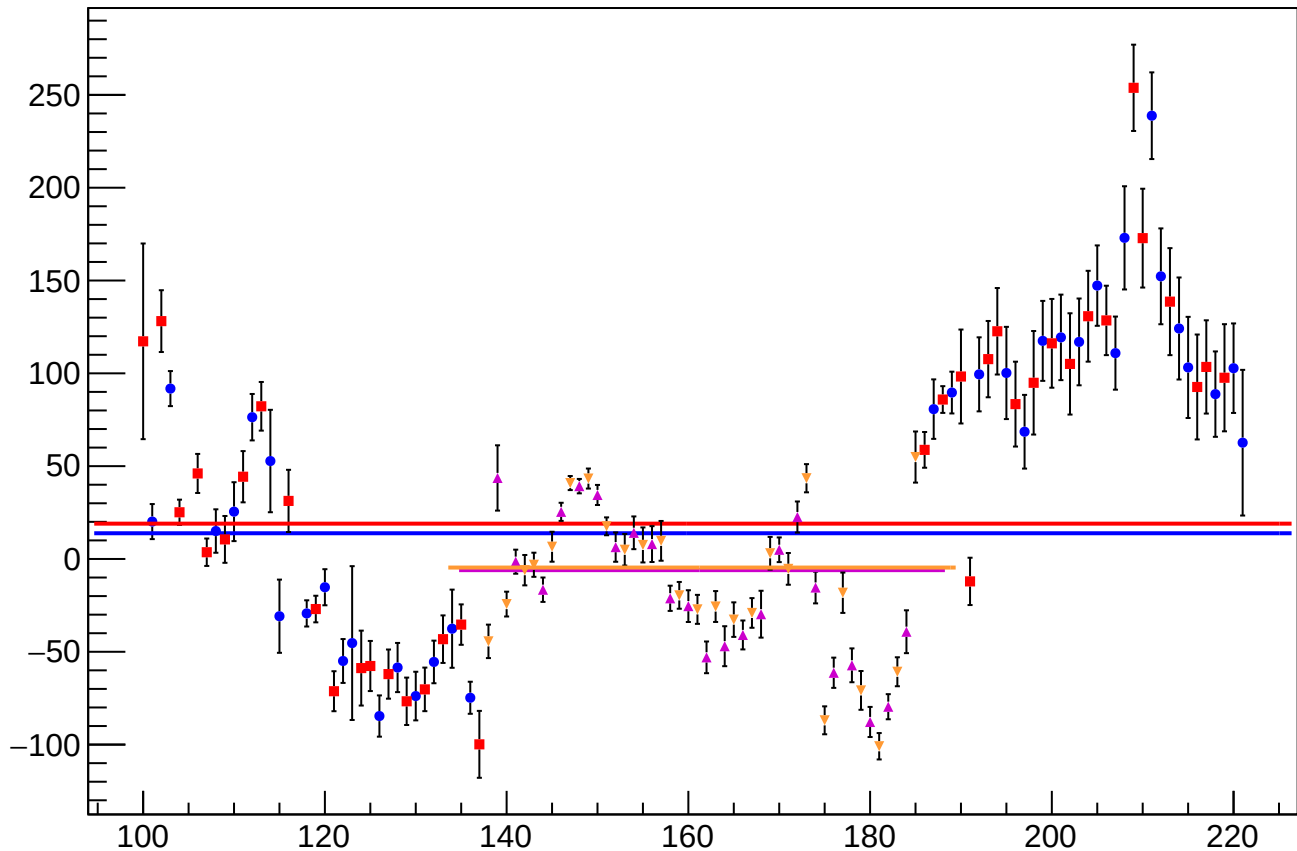
Left In: -393.113 $\pm$ 2.006 χ^2 /NDF: 2253.3/22

+ sign -429.586 $\pm$ 1.701 χ^2 /NDF: 5345.6/42

All: -436.891 $\pm$ 1.188 χ^2 /NDF: 14434.4/83

- sign -443.843 $\pm$ 1.660 χ^2 /NDF: 9052.8/40

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 13.854 $\pm$ 2.455 χ^2 /NDF: 918.2/34

Left Out: -4.624 $\pm$ 1.462 χ^2 /NDF: 772.9/24

Right Out: 19.028 $\pm$ 2.193 χ^2 /NDF: 920.5/36

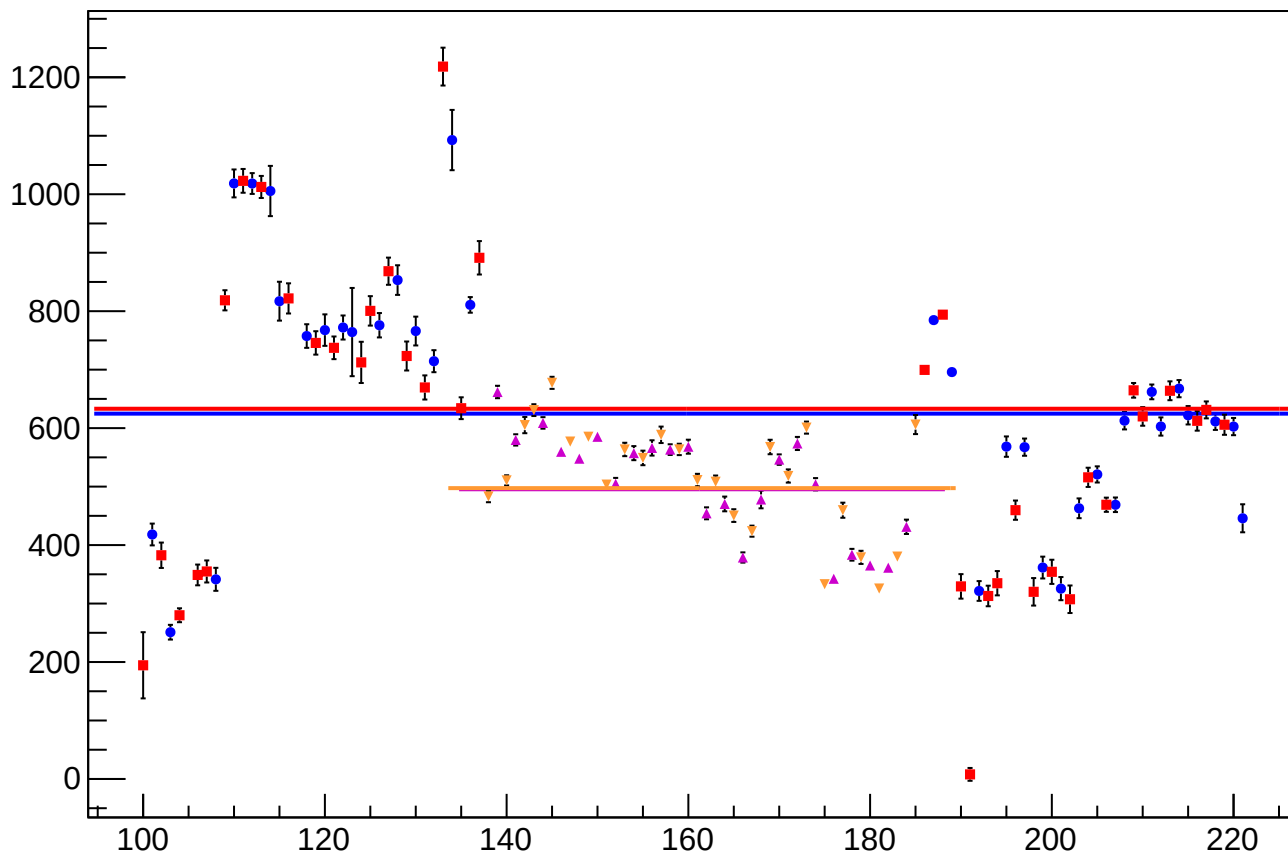
Left In: -6.019 $\pm$ 1.516 χ^2 /NDF: 654.1/22

+ sign 0.213 $\pm$ 1.256 χ^2 /NDF: 1732.9/59

All: 1.155 $\pm$ 0.885 χ^2 /NDF: 3396.8/119

- sign 2.082 $\pm$ 1.247 χ^2 /NDF: 1662.8/59

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 624.783 ± 2.722 $\chi^2/\text{NDF}: 4291.0/34$

Left Out: 497.381 ± 1.966 $\chi^2/\text{NDF}: 2614.6/24$

Right Out: 633.154 ± 2.298 $\chi^2/\text{NDF}: 9636.5/36$

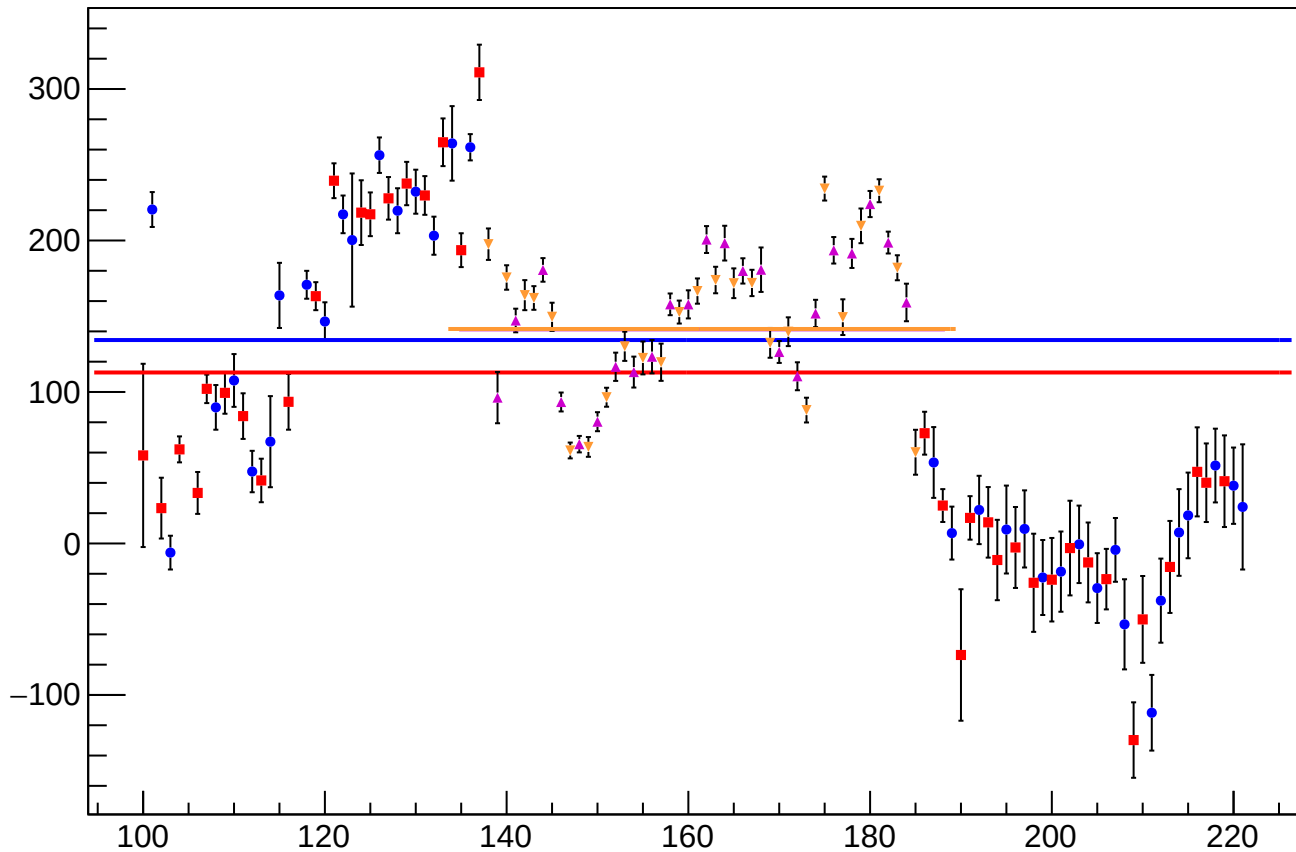
Left In: 495.454 ± 1.992 $\chi^2/\text{NDF}: 2253.8/22$

+ sign 541.050 ± 1.594 $\chi^2/\text{NDF}: 8345.1/59$

All: 548.177 ± 1.094 $\chi^2/\text{NDF}: 22323.2/119$

- sign 554.535 ± 1.505 $\chi^2/\text{NDF}: 13940.2/59$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 134.287 ± 2.842 $\chi^2/\text{NDF}: 1369.2/34$

Left Out: 141.588 ± 1.698 $\chi^2/\text{NDF}: 959.6/24$

Right Out: 112.871 ± 2.615 $\chi^2/\text{NDF}: 1322.9/36$

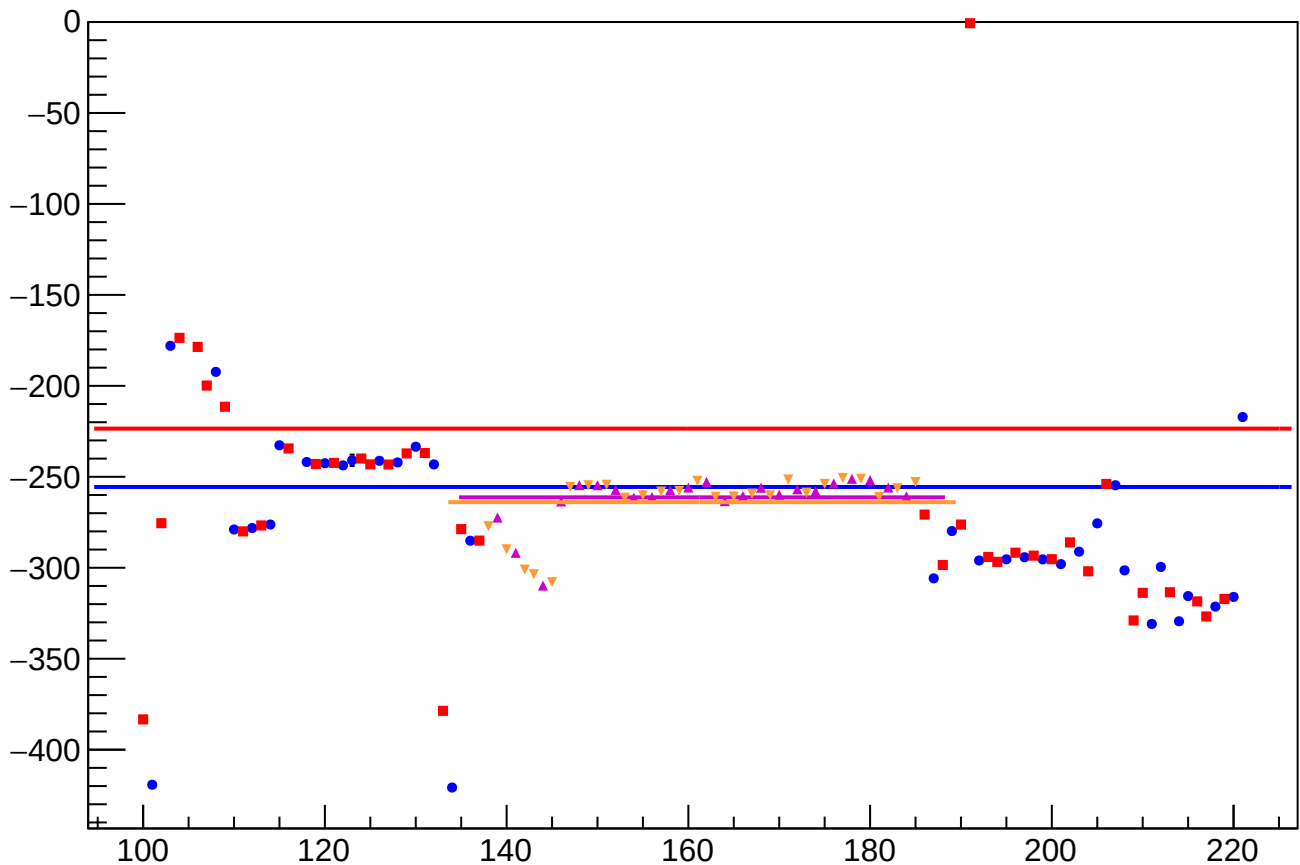
Left In: 141.360 ± 1.748 $\chi^2/\text{NDF}: 741.2/22$

+ sign 139.667 ± 1.458 $\chi^2/\text{NDF}: 2333.7/59$

All: 136.104 ± 1.029 $\chi^2/\text{NDF}: 4491.8/119$

- sign 132.564 ± 1.453 $\chi^2/\text{NDF}: 2146.2/59$

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -255.595 ± 0.133 χ^2/NDF : 210963.5/34

Left Out: -263.943 ± 0.081 χ^2/NDF : 39085.0/24

Right Out: -223.509 ± 0.121 χ^2/NDF : 520966.7/36

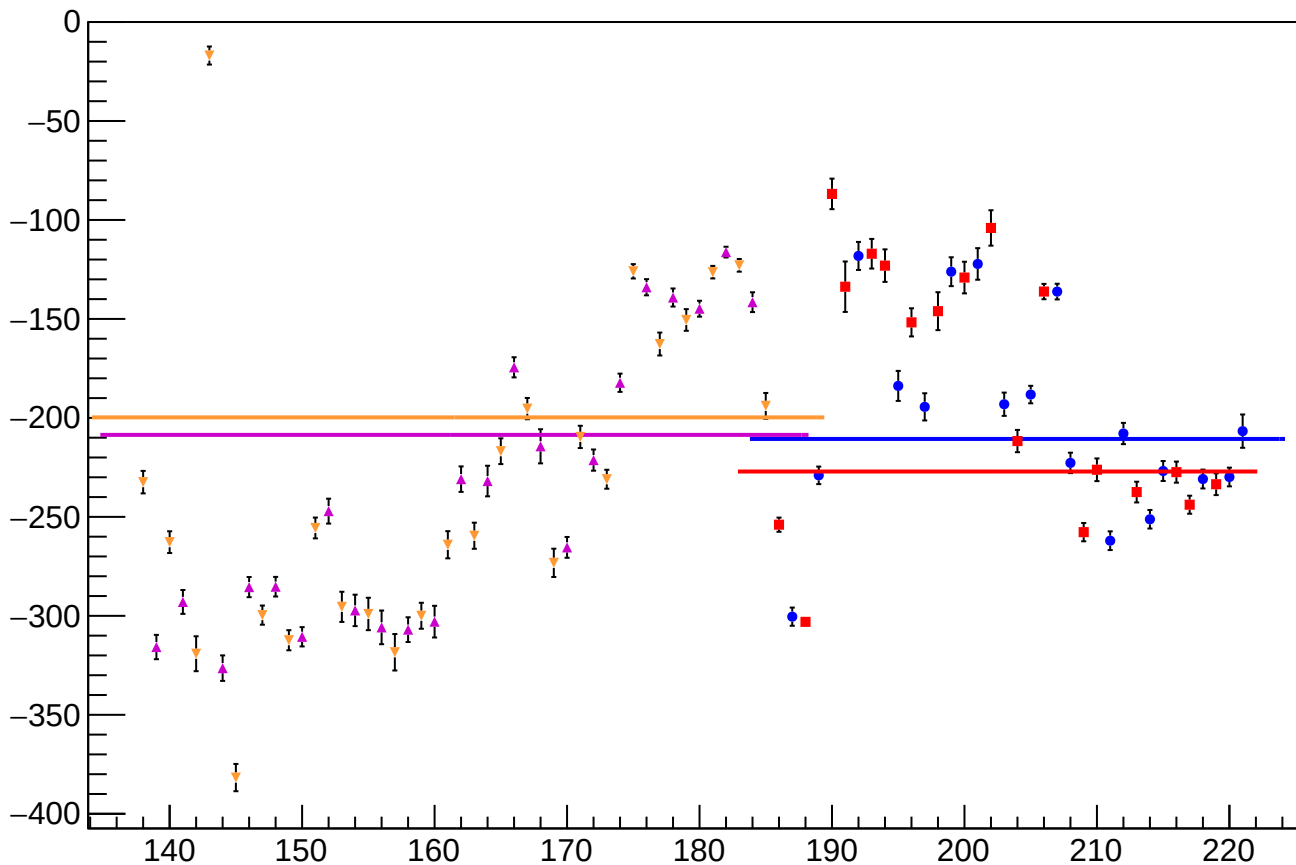
Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

+ sign -261.675 ± 0.069 χ^2/NDF : 252917.2/59

All: -255.365 ± 0.048 χ^2/NDF : 880610.3/119

- sign -249.336 ± 0.068 χ^2/NDF : 611498.5/59

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -210.628 $\pm$ 1.250 χ^2 /NDF: 1478.4/17

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

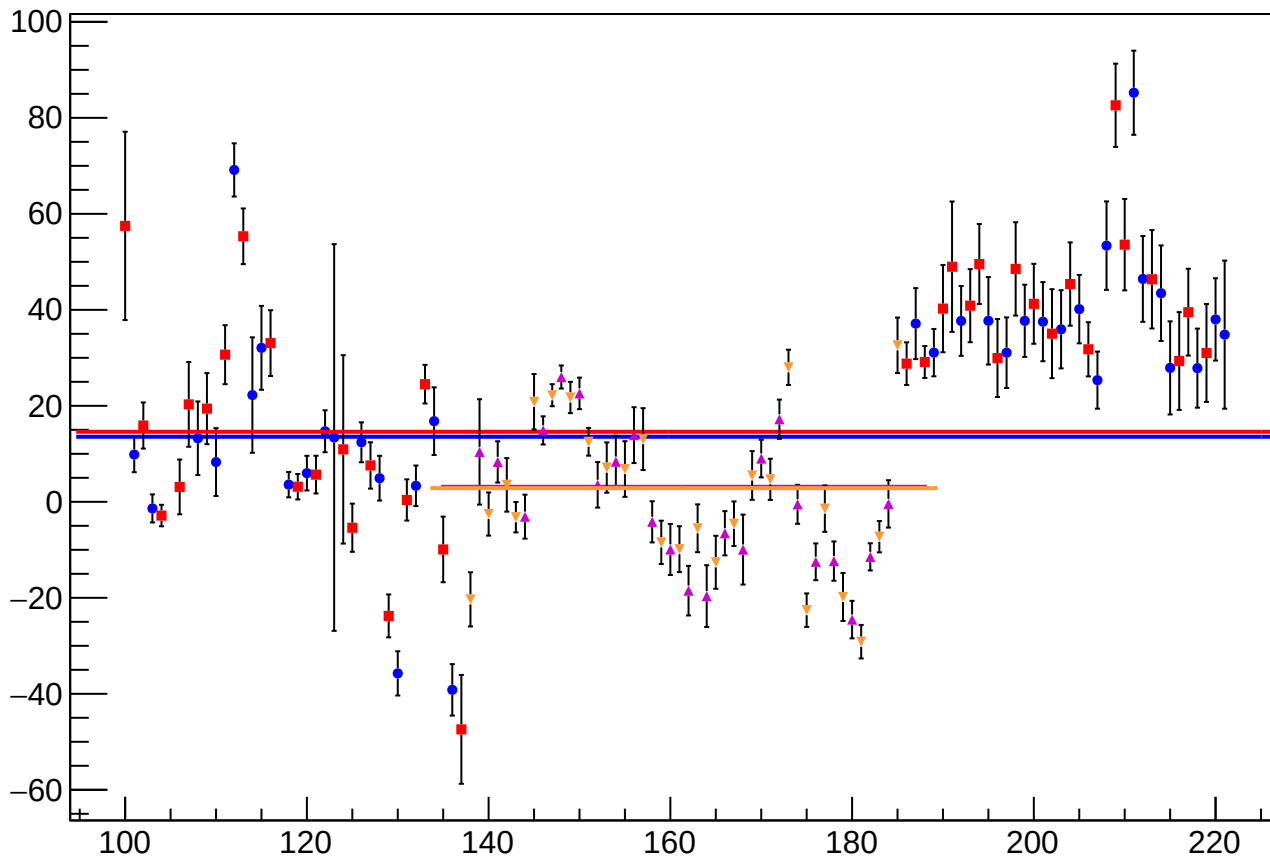
Left In: -208.579 $\pm$ 1.082 χ^2 /NDF: 4805.1/22

+ sign -204.303 $\pm$ 0.809 χ^2 /NDF: 7884.0/42

All: -210.653 $\pm$ 0.570 χ^2 /NDF: 15930.2/83

- sign -216.907 $\pm$ 0.803 χ^2 /NDF: 7923.9/40

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 13.555 $\pm$ 0.949 χ^2 /NDF: 586.7/34

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

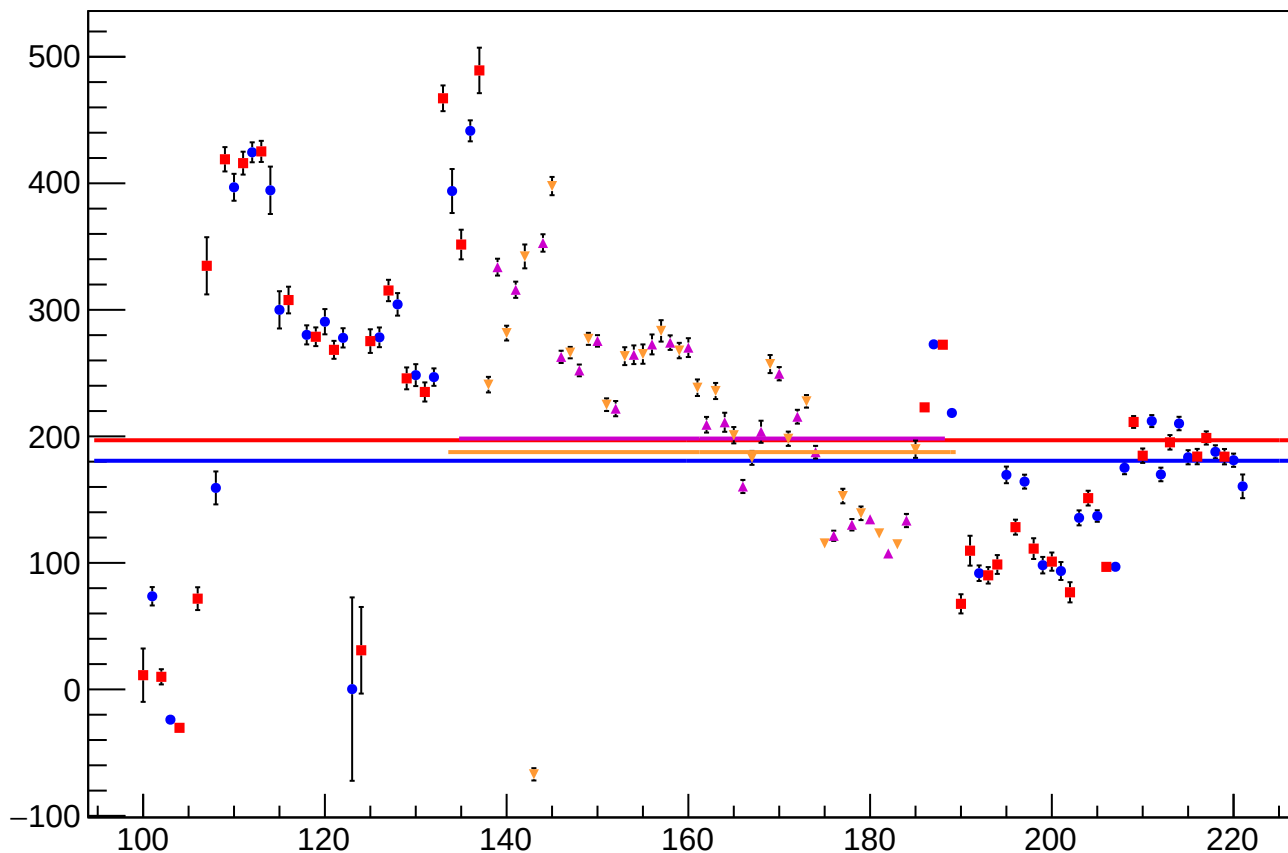
Left In: 3.136 $\pm$ 0.857 χ^2 /NDF: 319.8/22

+ sign 7.428 $\pm$ 0.620 χ^2 /NDF: 1079.3/59

All: 7.994 $\pm$ 0.439 χ^2 /NDF: 2021.2/119

- sign 8.562 $\pm$ 0.622 χ^2 /NDF: 940.2/59

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 180.708 $\pm$ 1.033 χ^2 /NDF: 8776.6/34

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 196.922 $\pm$ 0.949 χ^2 /NDF: 12154.4/36

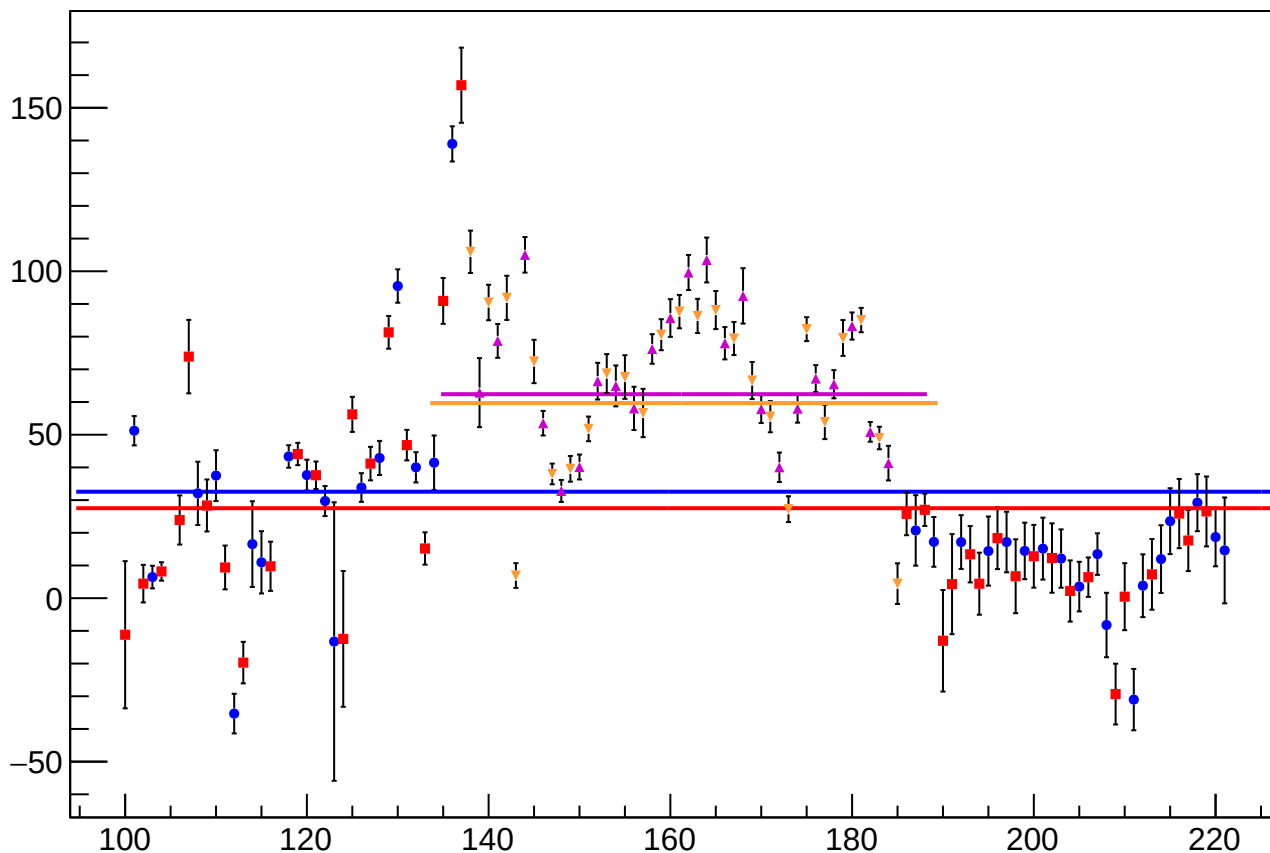
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 184.029 $\pm$ 0.742 χ^2 /NDF: 15880.0/59

All: 191.032 $\pm$ 0.514 χ^2 /NDF: 32722.6/119

- sign 197.507 $\pm$ 0.713 χ^2 /NDF: 16671.1/59

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 32.567 ± 1.100 χ^2/NDF : 901.0/34

Left Out: 59.682 ± 0.941 χ^2/NDF : 757.6/24

Right Out: 27.520 ± 1.071 χ^2/NDF : 663.3/36

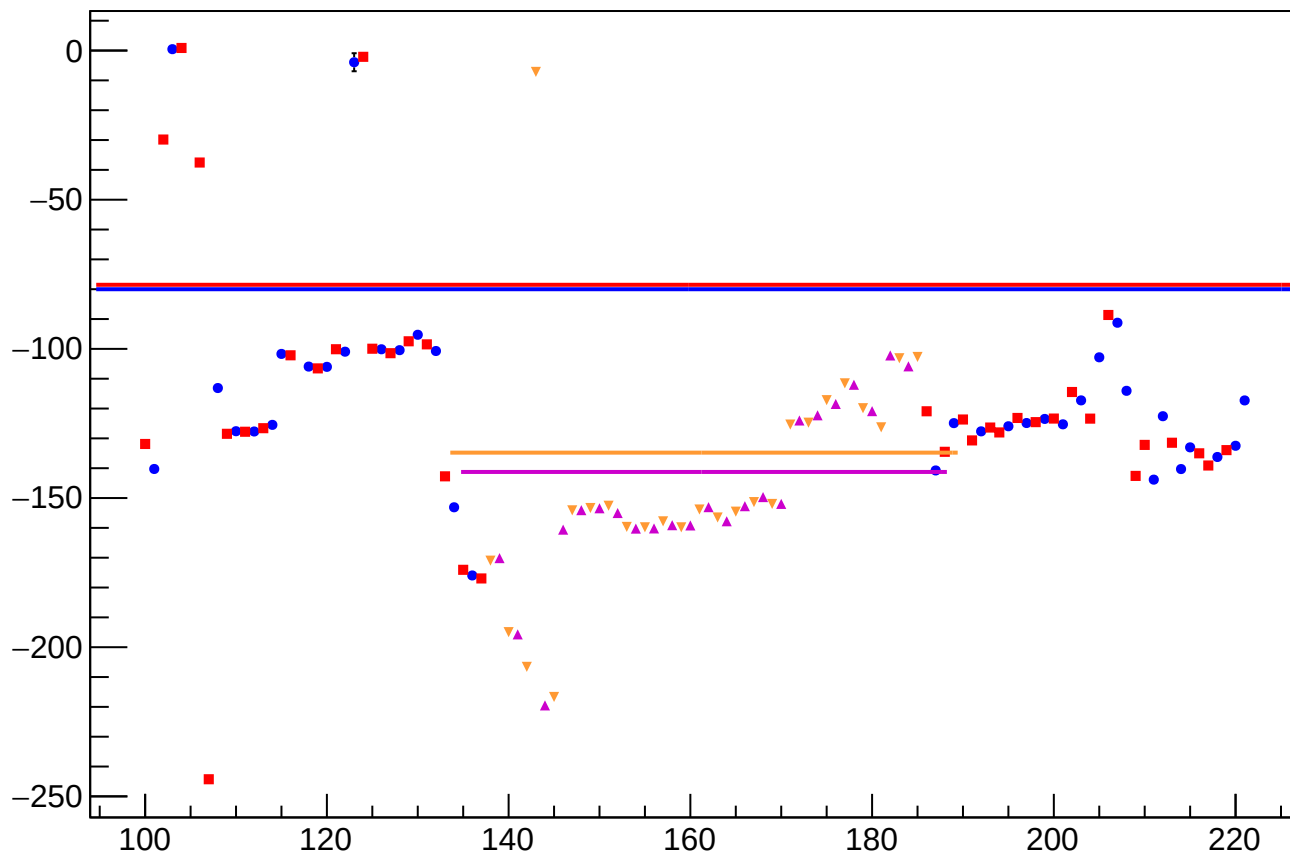
Left In: 62.400 ± 0.974 χ^2/NDF : 406.3/22

+ sign 48.227 ± 0.715 χ^2/NDF : 2009.6/59

All: 47.427 ± 0.508 χ^2/NDF : 3662.0/119

- sign 46.614 ± 0.721 χ^2/NDF : 1649.9/59

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -80.008 ± 0.050 $\chi^2/\text{NDF}: 1493382.7/34$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -78.518 ± 0.049 $\chi^2/\text{NDF}: 1471912.0/36$

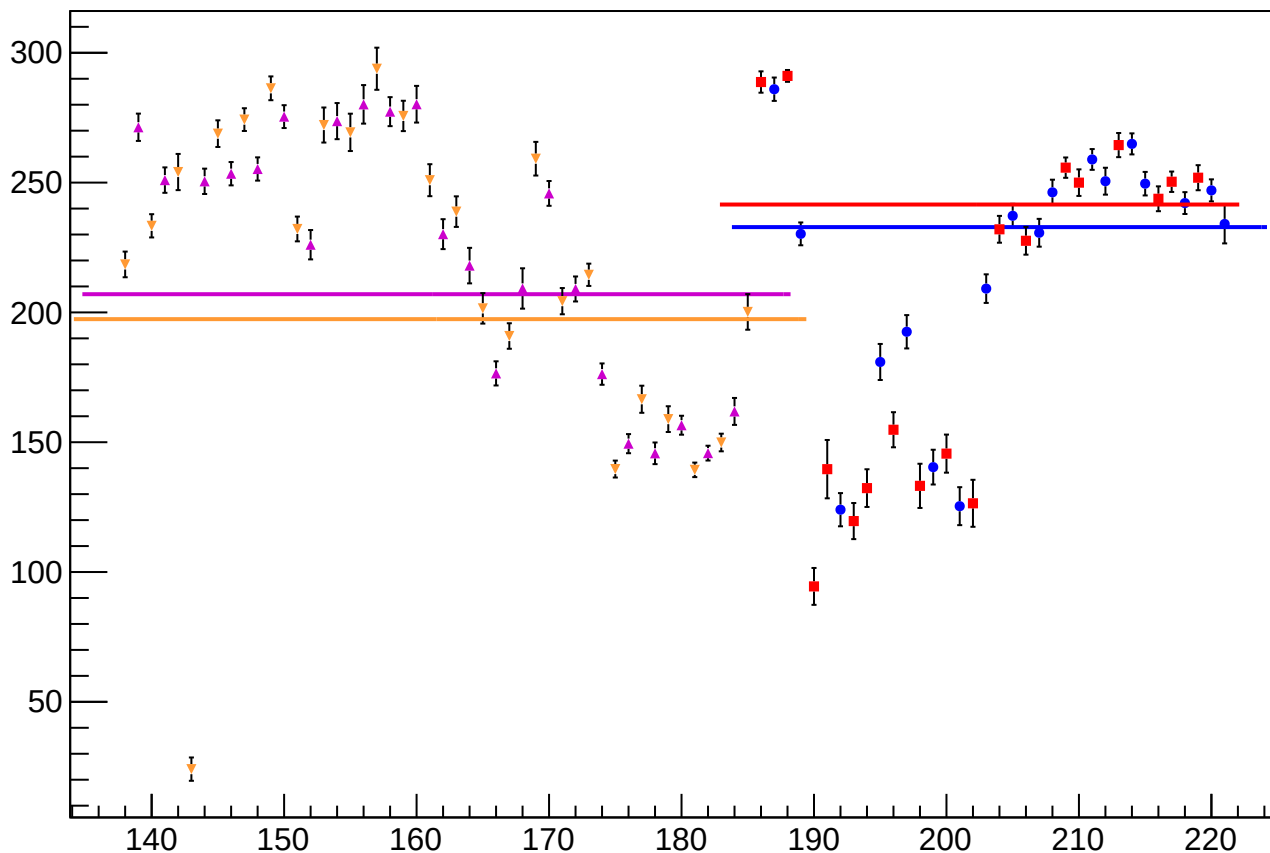
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -110.401 ± 0.033 $\chi^2/\text{NDF}: 2972340.7/59$

All: -111.229 ± 0.023 $\chi^2/\text{NDF}: 5685848.4/111$

- sign -112.054 ± 0.033 $\chi^2/\text{NDF}: 2712263.7/59$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 232.857 ± 1.189 $\chi^2/\text{NDF}: 1105.0/17$

Left Out: 197.408 ± 0.963 $\chi^2/\text{NDF}: 4384.2/24$

Right Out: 241.555 ± 1.148 $\chi^2/\text{NDF}: 2369.1/17$

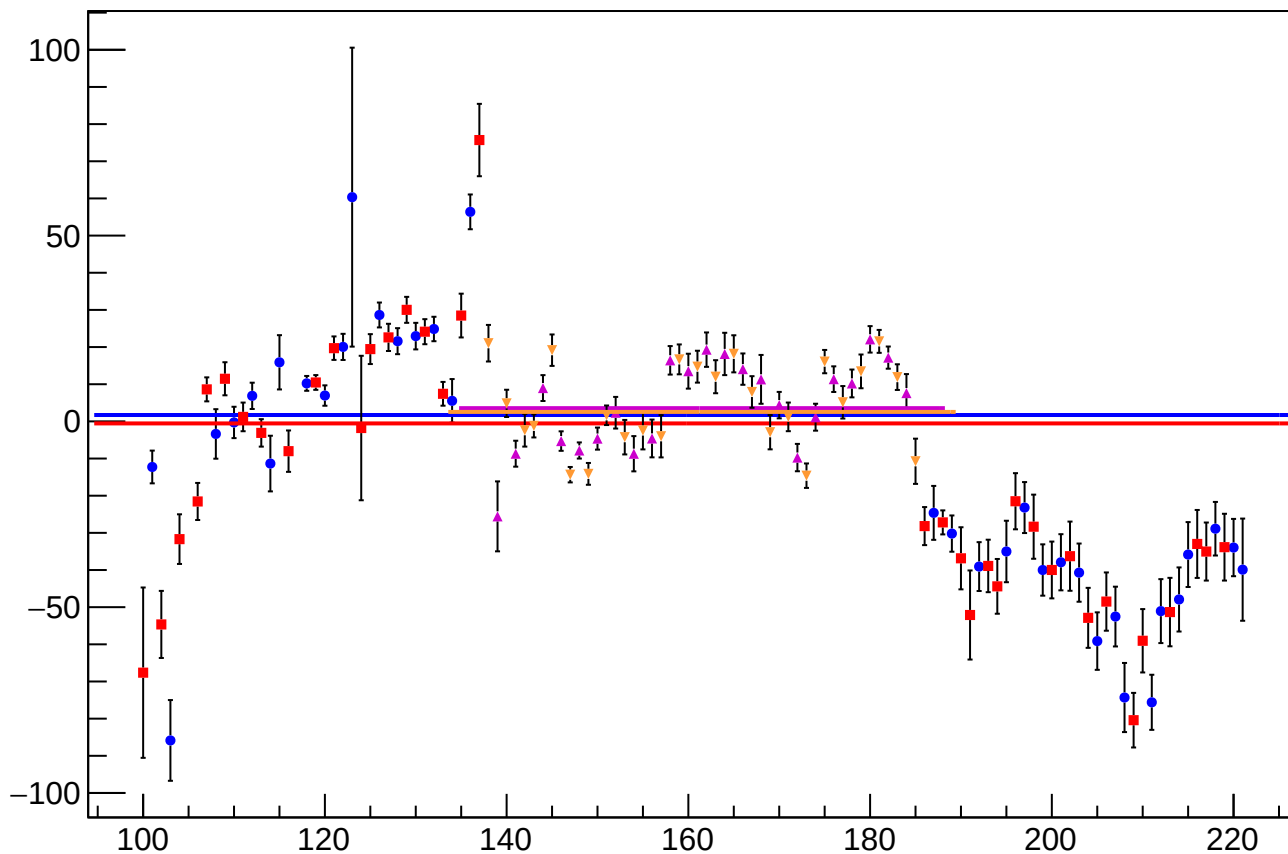
Left In: 207.014 ± 0.990 $\chi^2/\text{NDF}: 2611.5/22$

+ sign 211.455 ± 0.748 $\chi^2/\text{NDF}: 6026.3/42$

All: 216.593 ± 0.530 $\chi^2/\text{NDF}: 11620.5/83$

- sign 221.752 ± 0.750 $\chi^2/\text{NDF}: 5499.7/40$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 1.716 ± 0.829 $\chi^2/\text{NDF}: 1095.9/34$

Left Out: 2.548 ± 0.741 $\chi^2/\text{NDF}: 275.4/24$

Right Out: -0.548 ± 0.799 $\chi^2/\text{NDF}: 1039.7/36$

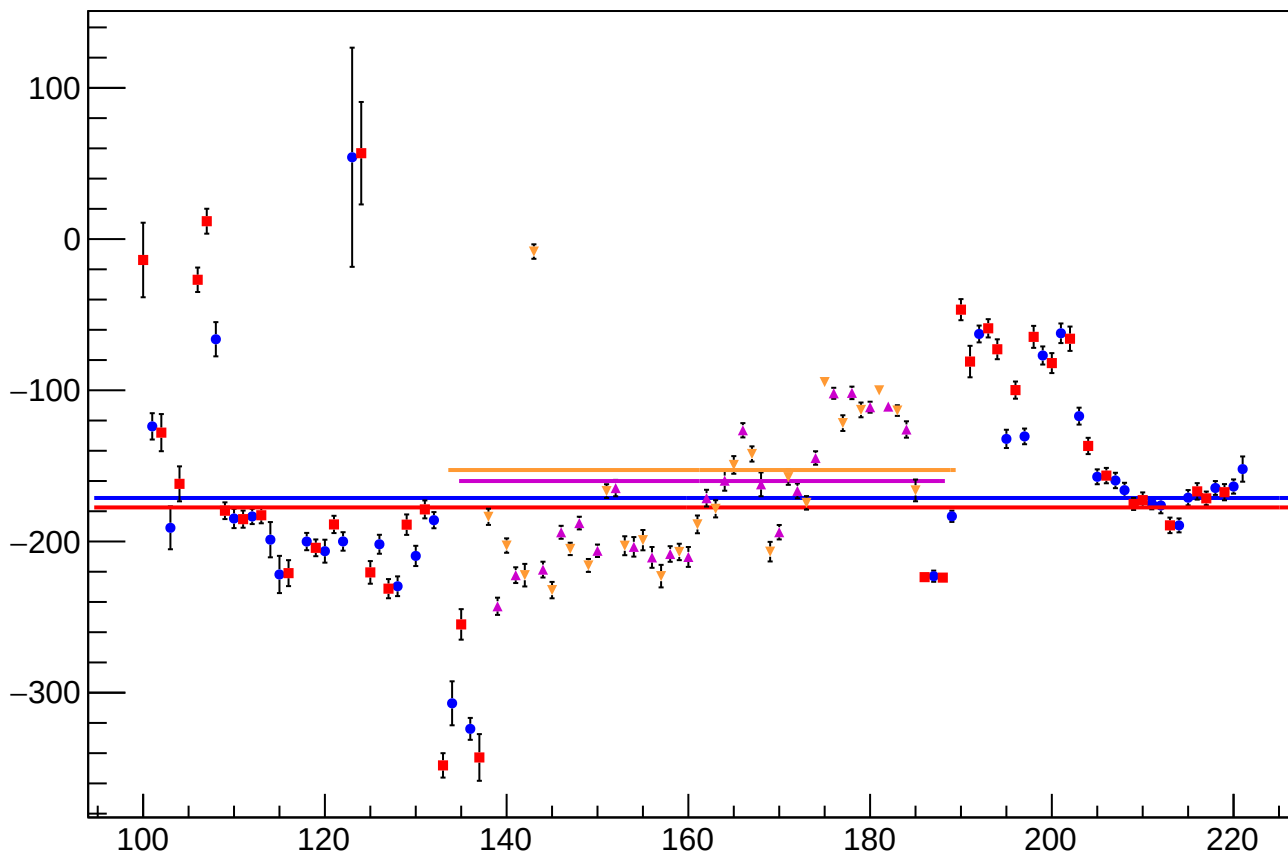
Left In: 3.559 ± 0.774 $\chi^2/\text{NDF}: 192.0/22$

+ sign 2.178 ± 0.552 $\chi^2/\text{NDF}: 1371.9/59$

All: 1.877 ± 0.392 $\chi^2/\text{NDF}: 2617.8/119$

- sign 1.572 ± 0.556 $\chi^2/\text{NDF}: 1245.3/59$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -171.223 ± 0.976 χ^2/NDF : 2259.1/34

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -177.470 ± 0.900 χ^2/NDF : 4594.8/36

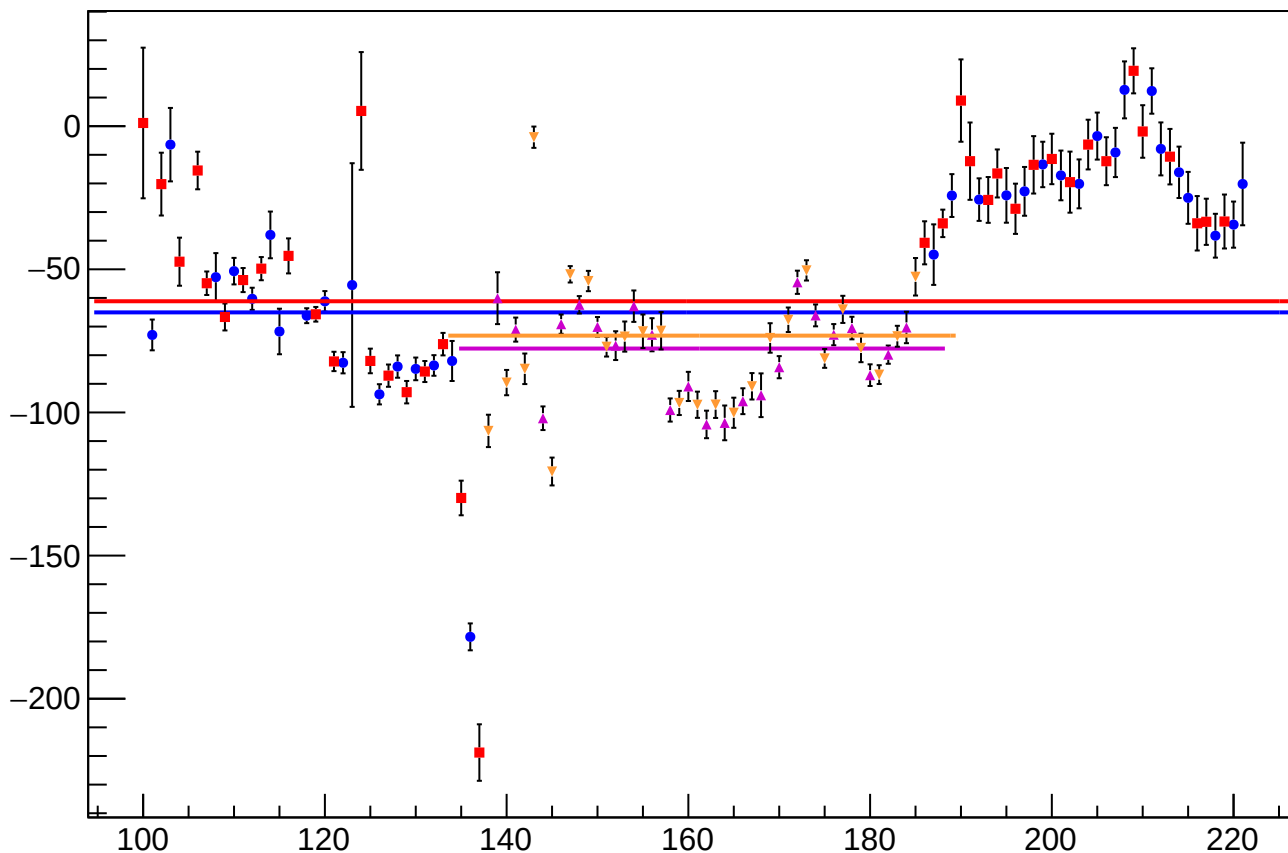
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -161.893 ± 0.687 χ^2/NDF : 5517.9/59

All: -165.847 ± 0.478 χ^2/NDF : 12371.5/119

- sign -169.560 ± 0.666 χ^2/NDF : 6789.4/59

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -65.046 $\pm$ 0.957 χ^2/NDF : 1383.1/34

Left Out: -73.165 $\pm$ 0.851 χ^2/NDF : 788.6/24

Right Out: -61.159 $\pm$ 0.932 χ^2/NDF : 1205.5/36

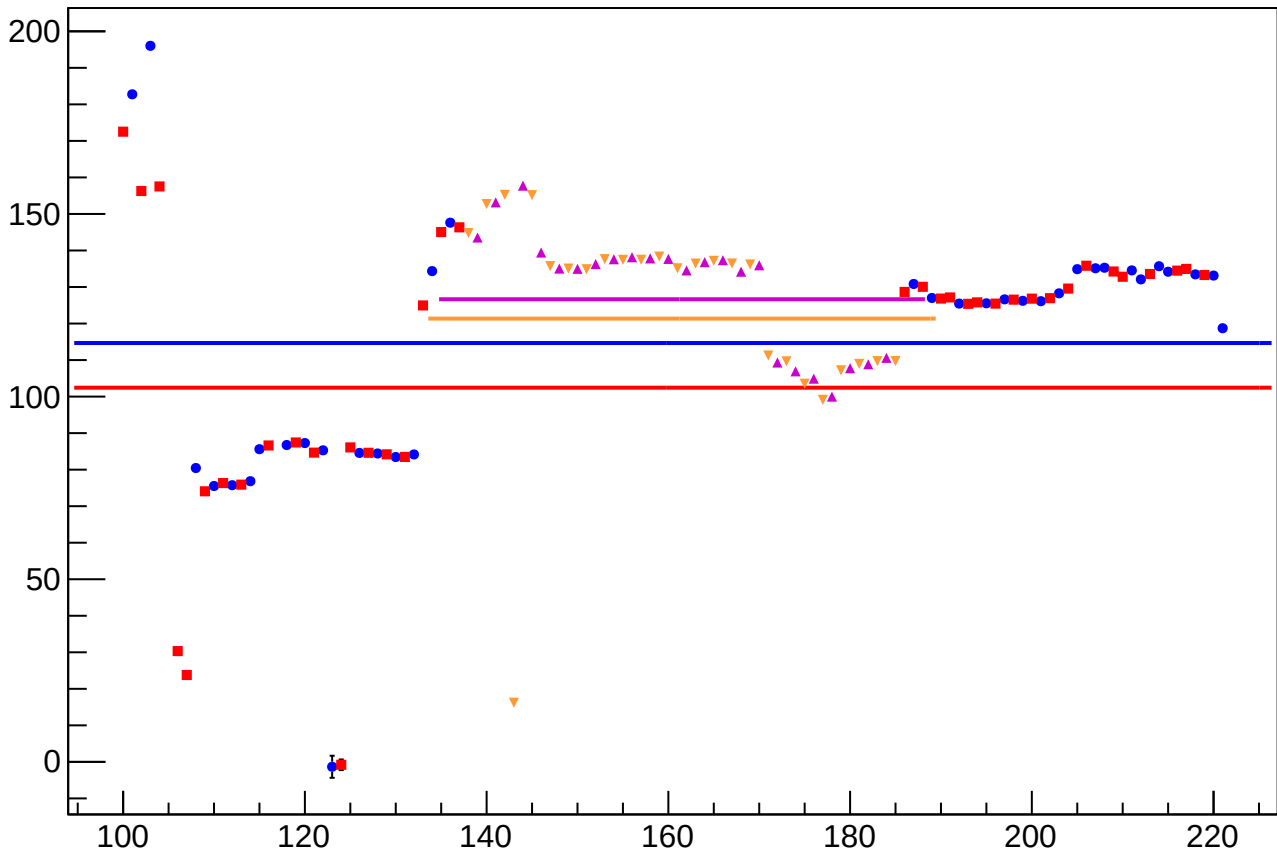
Left In: -77.678 $\pm$ 0.883 χ^2/NDF : 248.3/22

+ sign -69.579 $\pm$ 0.636 χ^2/NDF : 2211.8/59

All: -69.723 $\pm$ 0.452 χ^2/NDF : 3831.3/119

- sign -69.869 $\pm$ 0.641 χ^2/NDF : 1619.3/59

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 114.670 $\pm$ 0.053 χ^2 /NDF: 331574.8/34

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

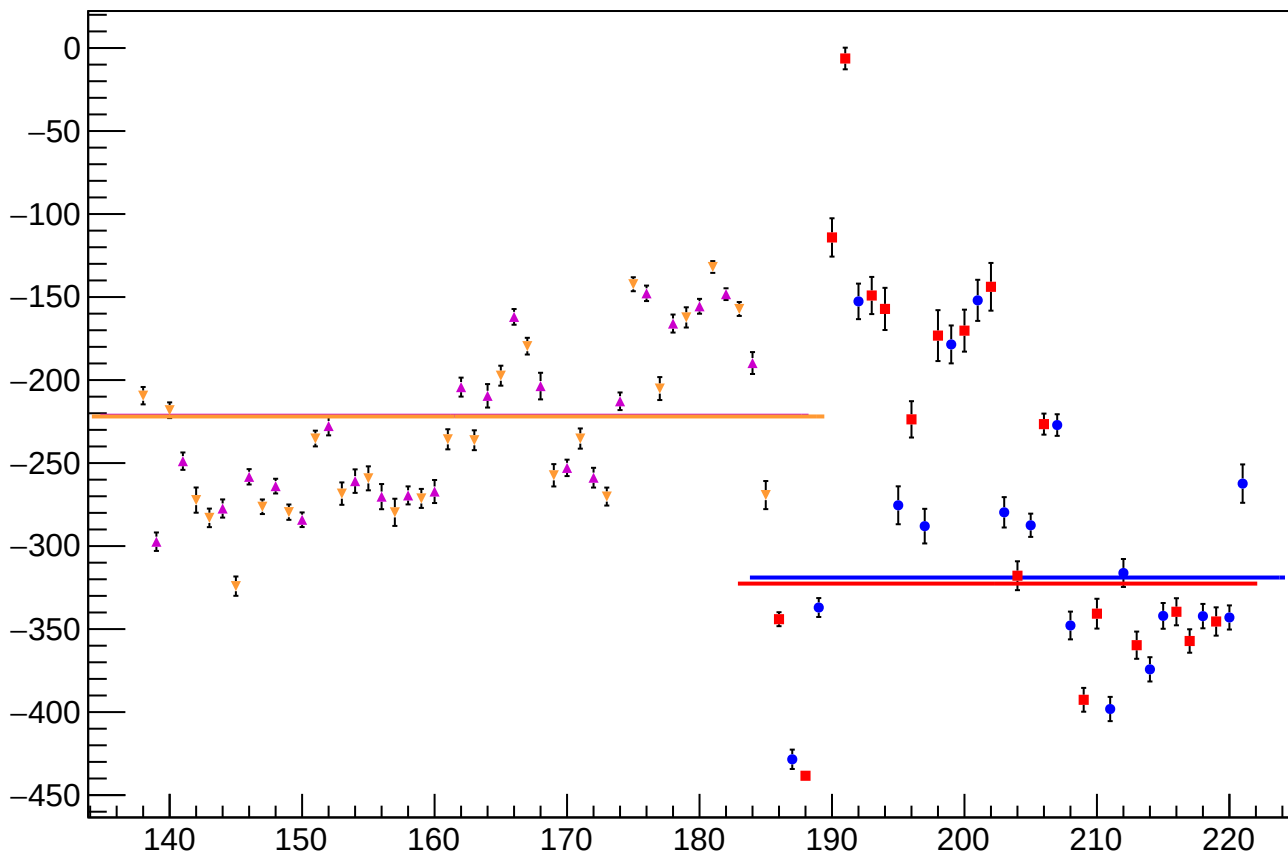
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 118.924 $\pm$ 0.032 χ^2 /NDF: 823560.0/59

All: 117.836 $\pm$ 0.023 χ^2 /NDF: 1741452.9/119

- sign 116.783 $\pm$ 0.032 χ^2 /NDF: 915638.4/59

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -318.945 ± 1.878 $\chi^2/\text{NDF}: 1439.1/17$

Left Out: -221.934 ± 1.084 $\chi^2/\text{NDF}: 2578.4/24$

Right Out: -322.604 ± 1.649 $\chi^2/\text{NDF}: 5432.1/17$

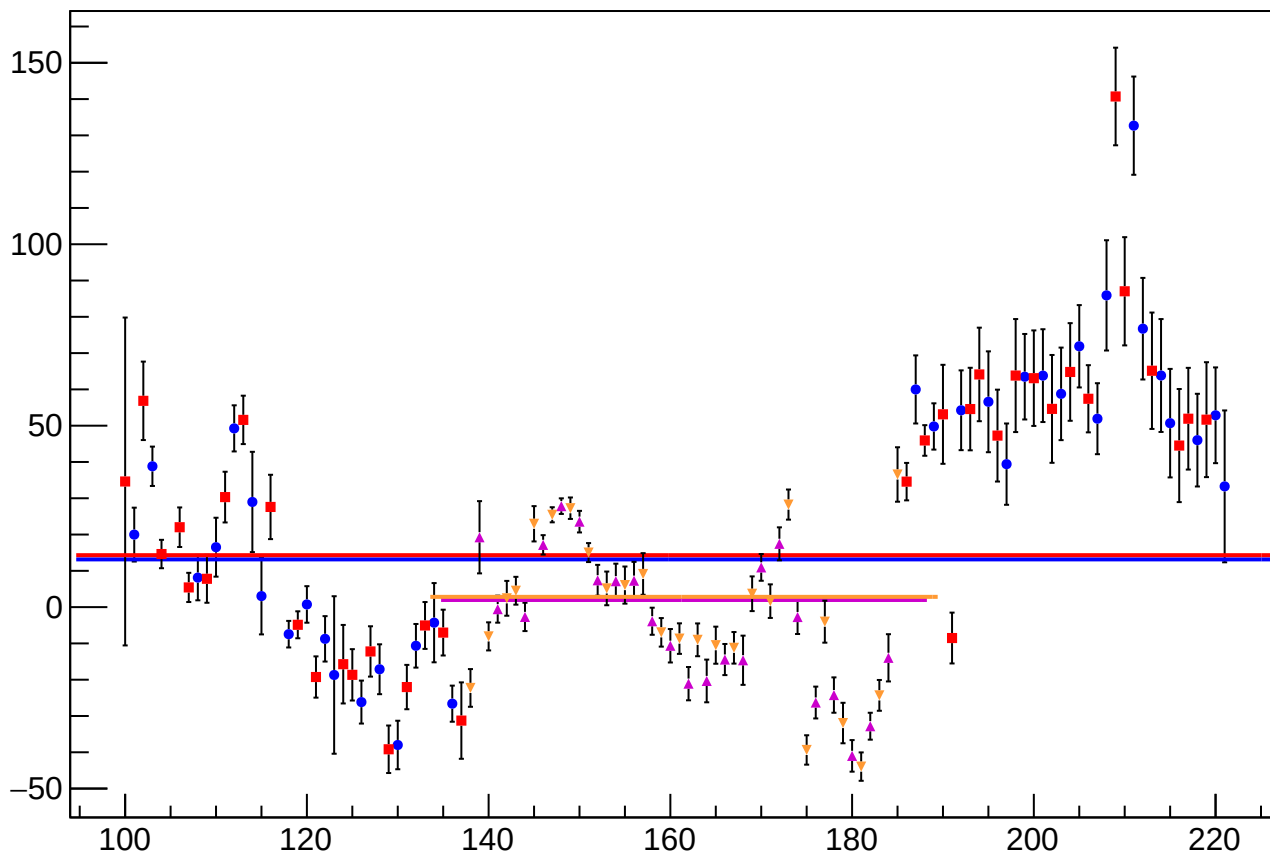
Left In: -221.483 ± 1.102 $\chi^2/\text{NDF}: 2149.8/22$

+ sign -246.186 ± 0.939 $\chi^2/\text{NDF}: 6018.1/42$

All: -249.522 ± 0.656 $\chi^2/\text{NDF}: 16222.9/83$

- sign -252.699 ± 0.916 $\chi^2/\text{NDF}: 10180.2/40$

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 13.153 ± 1.343 $\chi^2/\text{NDF}: 646.3/34$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 14.315 ± 1.189 $\chi^2/\text{NDF}: 639.4/36$

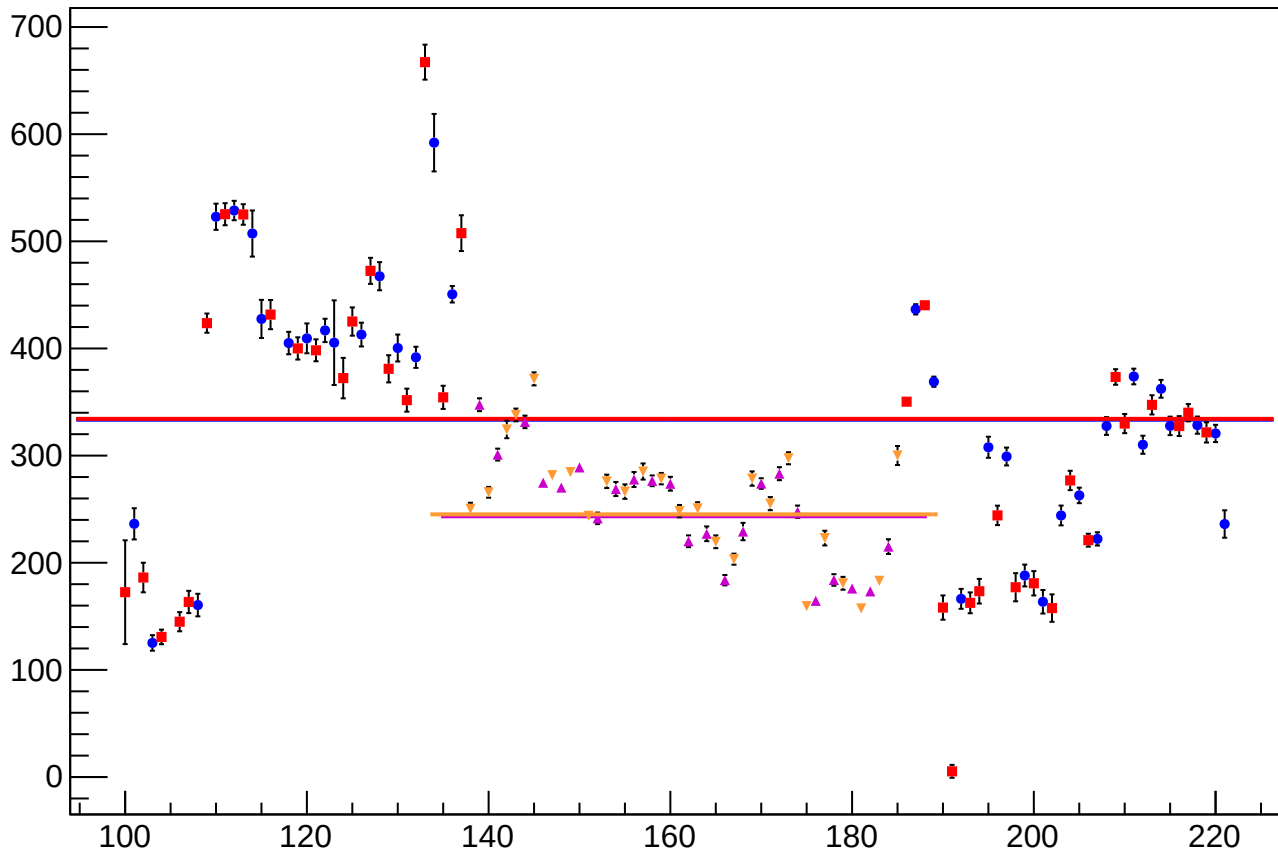
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 5.571 ± 0.692 $\chi^2/\text{NDF}: 1376.7/59$

All: 5.812 ± 0.486 $\chi^2/\text{NDF}: 2677.6/119$

- sign 6.047 ± 0.683 $\chi^2/\text{NDF}: 1300.7/59$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 333.524 $\pm$ 1.508 χ^2 /NDF: 4548.2/34

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF: 2597.4/24

Right Out: 334.309 $\pm$ 1.275 χ^2 /NDF: 10102.4/36

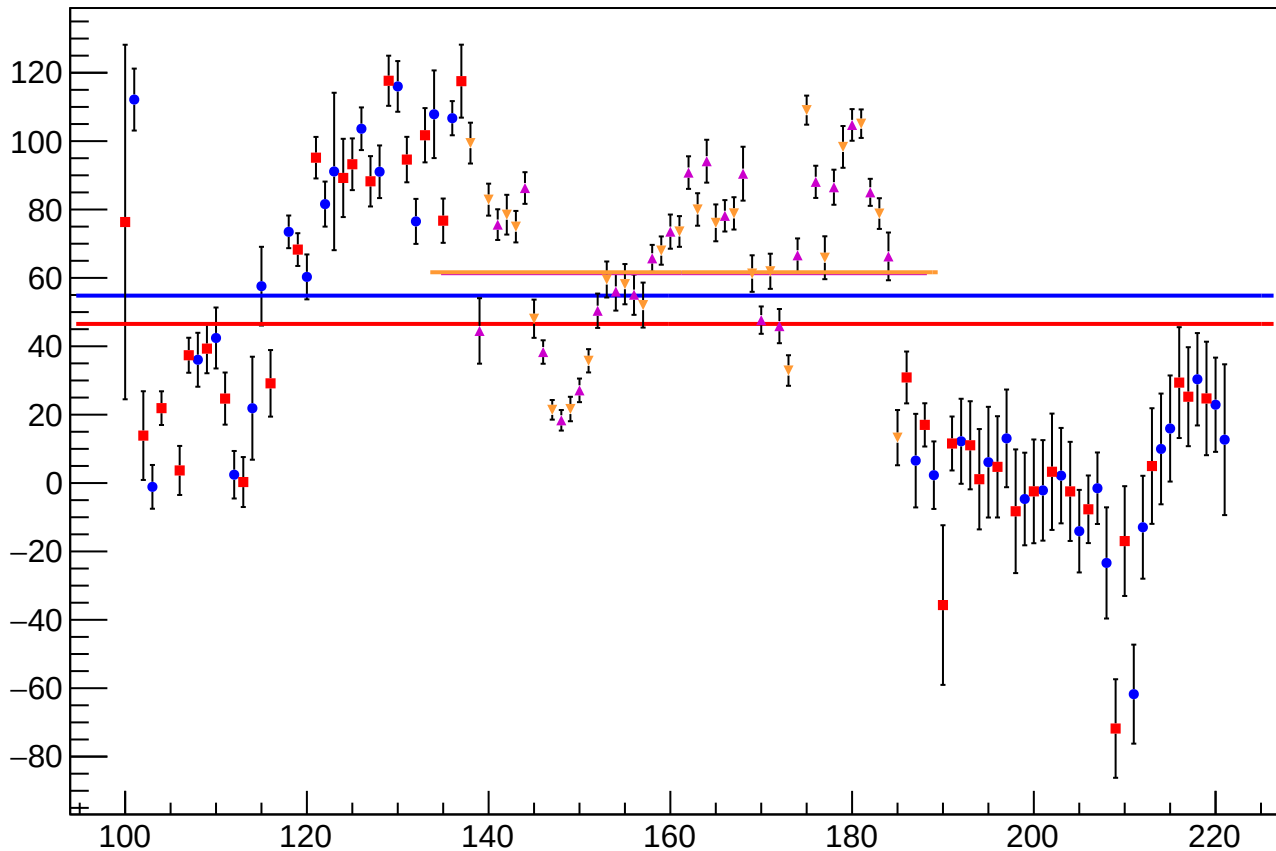
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF: 2236.7/22

+ sign 275.215 $\pm$ 0.879 χ^2 /NDF: 9412.1/59

All: 278.766 $\pm$ 0.603 χ^2 /NDF: 24714.4/119

- sign 281.932 $\pm$ 0.830 χ^2 /NDF: 15271.5/59

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 54.816 $\pm$ 1.551 χ^2 /NDF: 822.6/34

Left Out: 61.647 $\pm$ 0.936 χ^2 /NDF:871.5/24

Right Out: 46.541 $\pm$ 1.413 χ^2 /NDF: 797.4/36

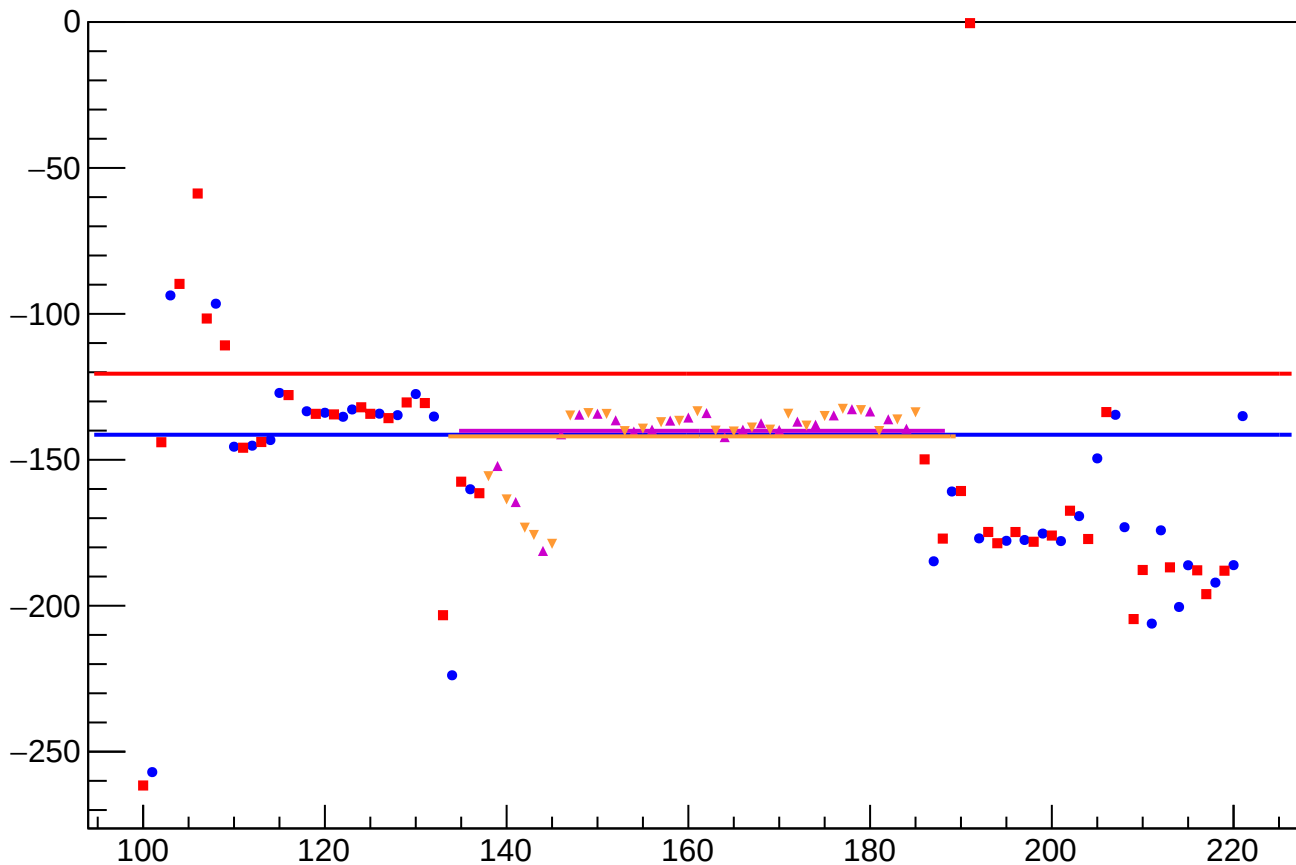
Left In: 61.375 $\pm$ 0.961 χ^2 /NDF:699.7/22

+ sign 59.823 $\pm$ 0.802 χ^2 /NDF: 1708.4/59

All: 58.241 $\pm$ 0.564 χ^2 /NDF: 3288.5/119

- sign 56.685 $\pm$ 0.795 χ^2 /NDF: 1572.4/59

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -141.413 ± 0.074 $\chi^2/\text{NDF}: 263501.7/34$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -120.496 ± 0.066 $\chi^2/\text{NDF}: 658464.4/36$

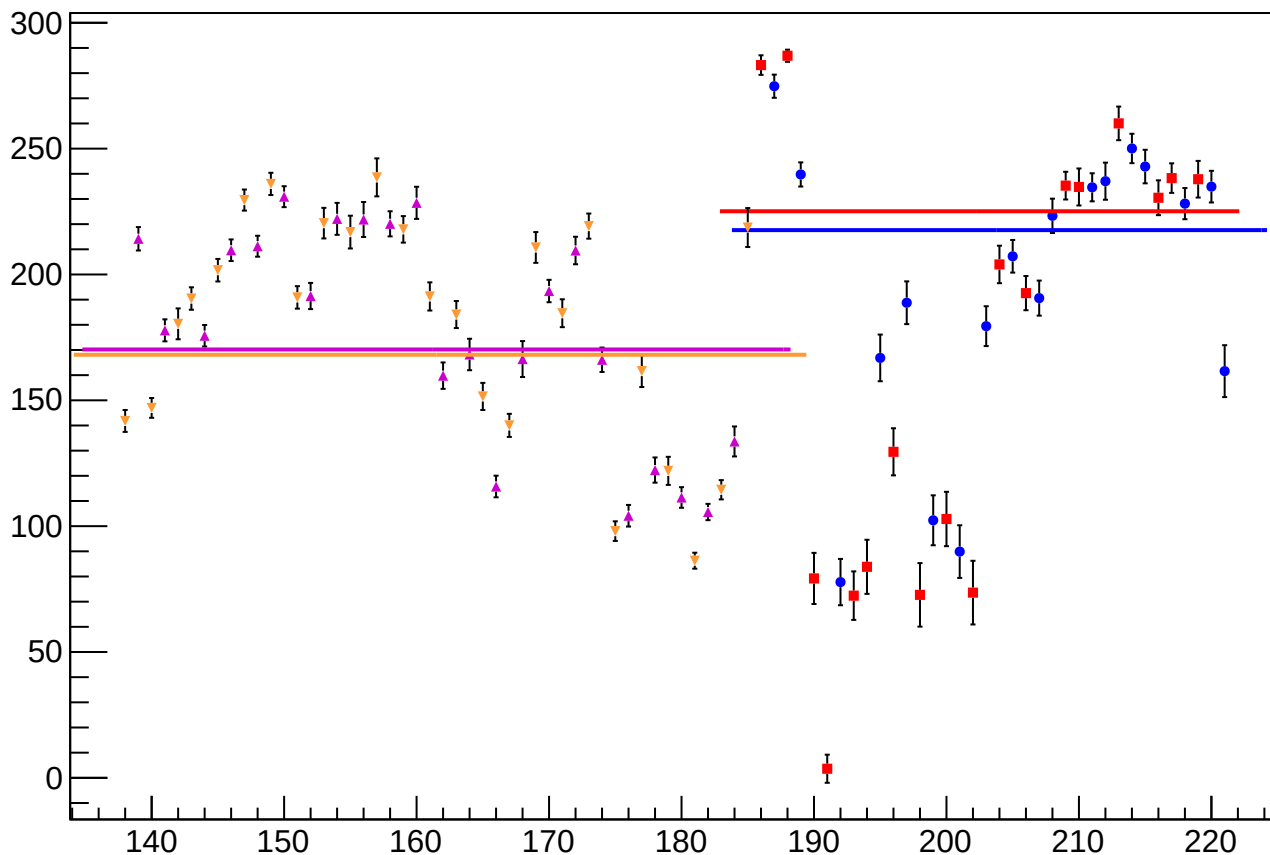
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -141.820 ± 0.038 $\chi^2/\text{NDF}: 343795.8/59$

All: -137.737 ± 0.027 $\chi^2/\text{NDF}: 1132386.0/11$

- sign -133.871 ± 0.037 $\chi^2/\text{NDF}: 766386.6/59$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 217.626+/-1.597 χ^2/NDF : 875.0/17

Left Out: 168.106+/-0.970 χ^2/NDF : 2468.8/24

Right Out: 225.114+/-1.394 χ^2/NDF : 3678.3/17

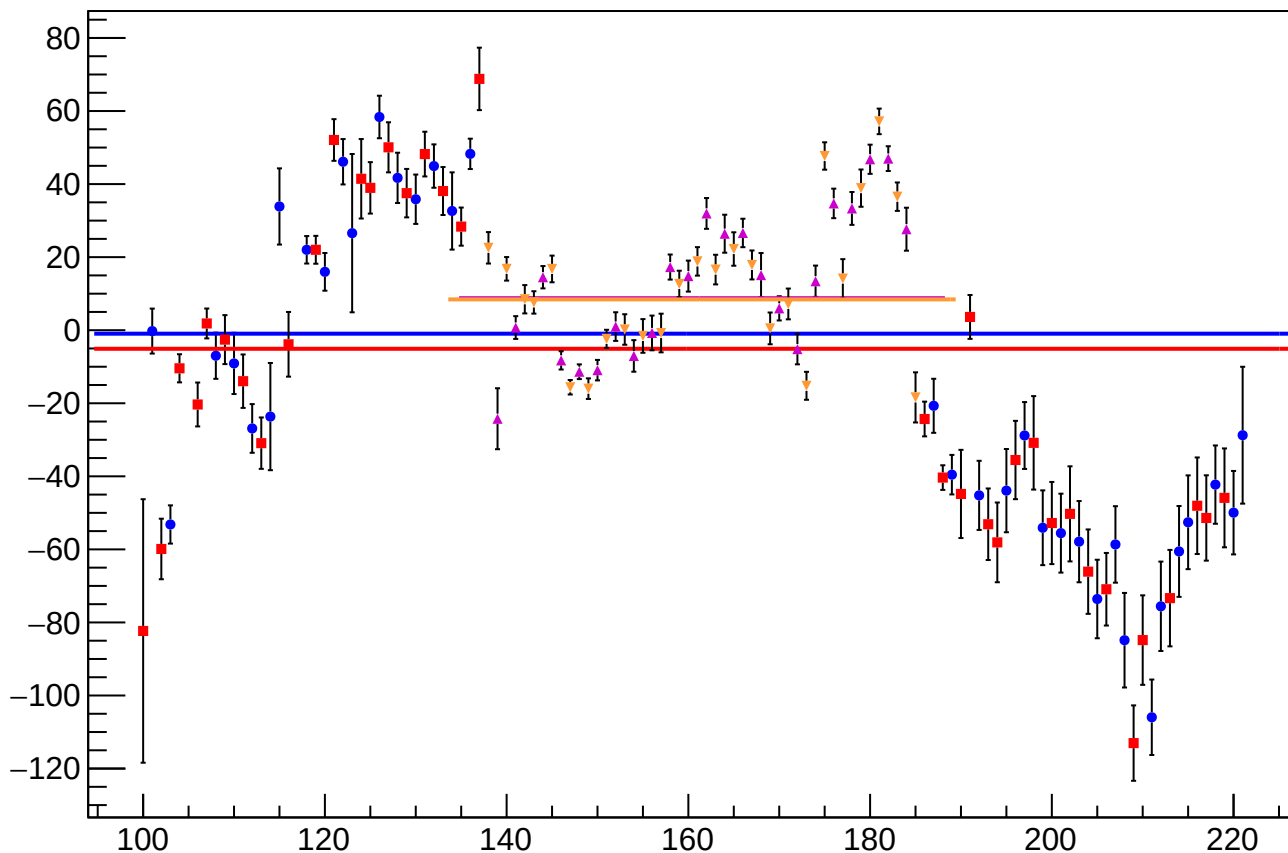
Left In: 170.198+/-0.995 χ^2/NDF : 2024.5/22

+ sign 181.460+/-0.829 χ^2/NDF : 4046.3/42

All: 185.184+/-0.579 χ^2/NDF : 10816.0/83

- sign 188.738+/-0.810 χ^2/NDF : 6730.4/40

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -0.953 ± 1.266 χ^2/NDF : 1134.7/34

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: -5.086 ± 1.126 χ^2/NDF : 1138.1/36

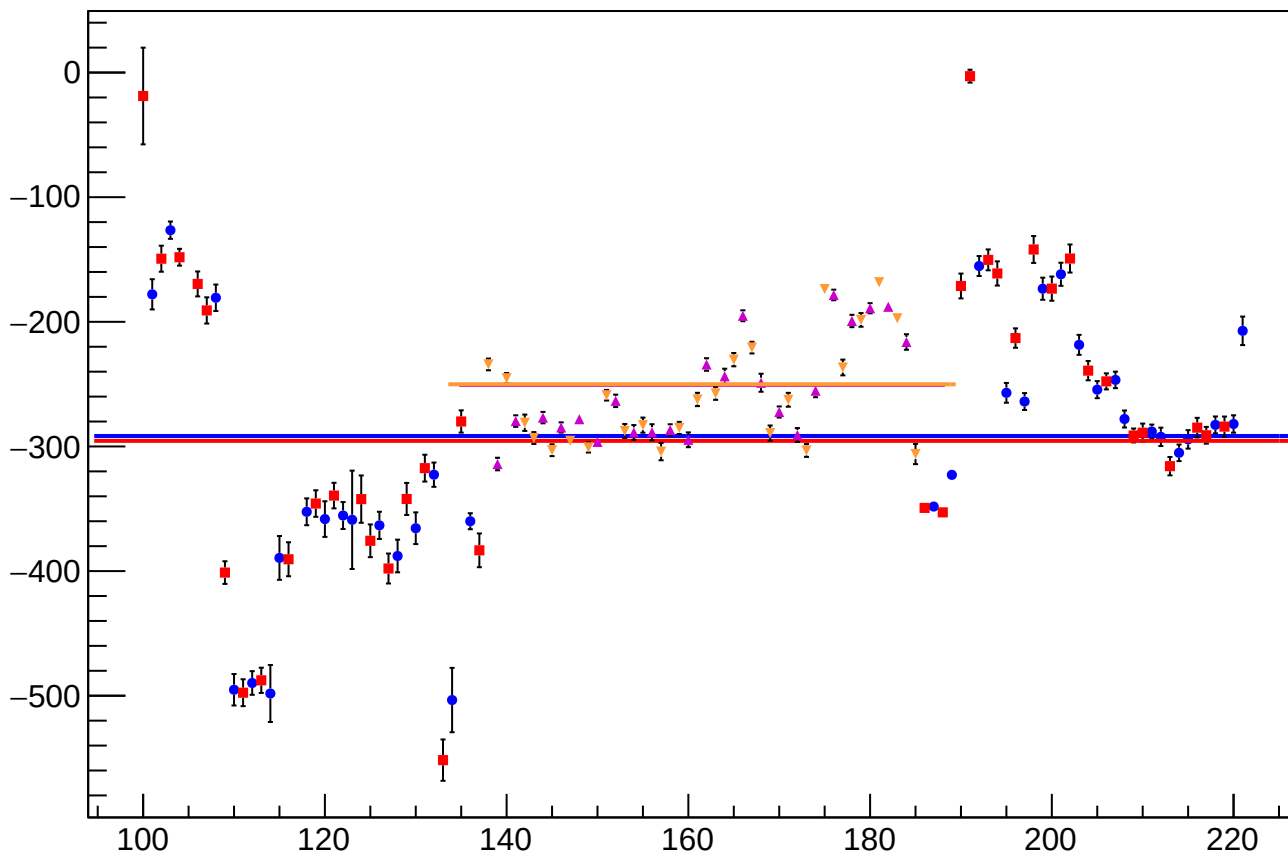
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 6.104 ± 0.631 χ^2/NDF : 1928.0/59

All: 5.272 ± 0.446 χ^2/NDF : 3800.6/119

- sign 4.446 ± 0.629 χ^2/NDF : 1869.1/59

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -291.599 ± 1.323 χ^2/NDF : 3195.3/34

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -295.500 ± 1.113 χ^2/NDF : 8123.3/36

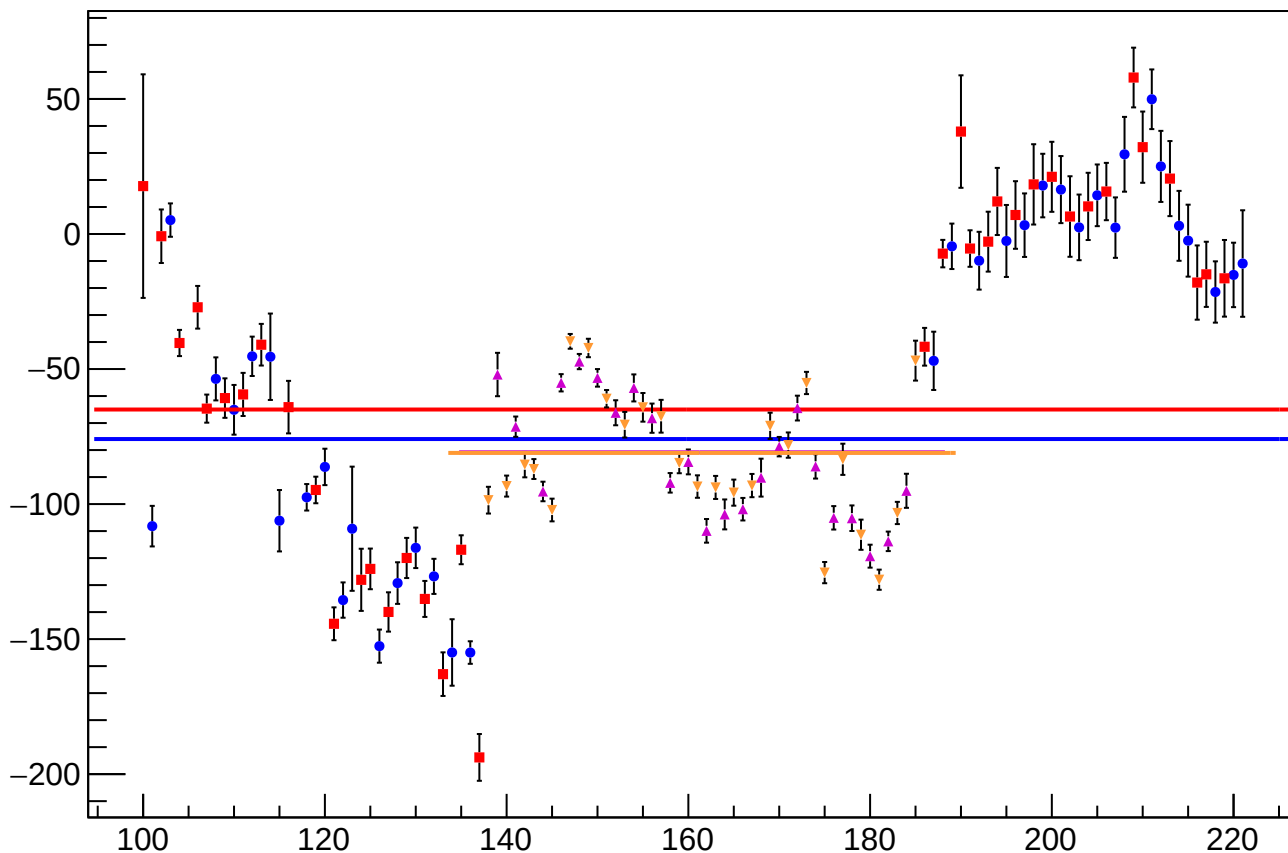
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -264.672 ± 0.783 χ^2/NDF : 6080.7/59

All: -267.730 ± 0.538 χ^2/NDF : 17077.1/119

- sign -270.457 ± 0.740 χ^2/NDF : 10967.5/59

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -75.922 ± 1.461 $\chi^2/\text{NDF}: 1868.1/34$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -64.989 ± 1.342 $\chi^2/\text{NDF}: 1931.9/36$

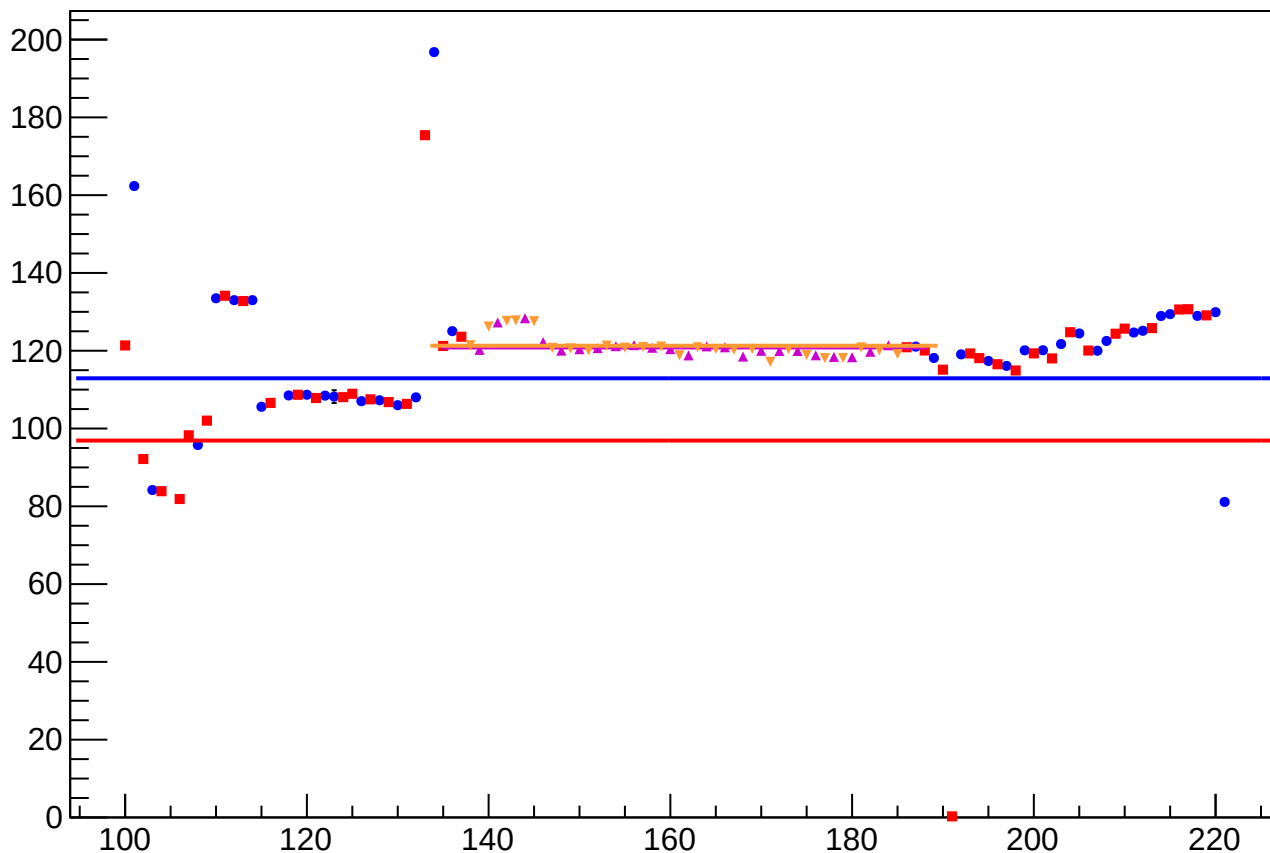
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -79.775 ± 0.730 $\chi^2/\text{NDF}: 2790.4/59$

All: -77.954 ± 0.517 $\chi^2/\text{NDF}: 5525.9/119$

- sign -76.130 ± 0.731 $\chi^2/\text{NDF}: 2723.0/59$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 112.912 $\pm$ 0.068 χ^2 /NDF: 82994.9/34

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

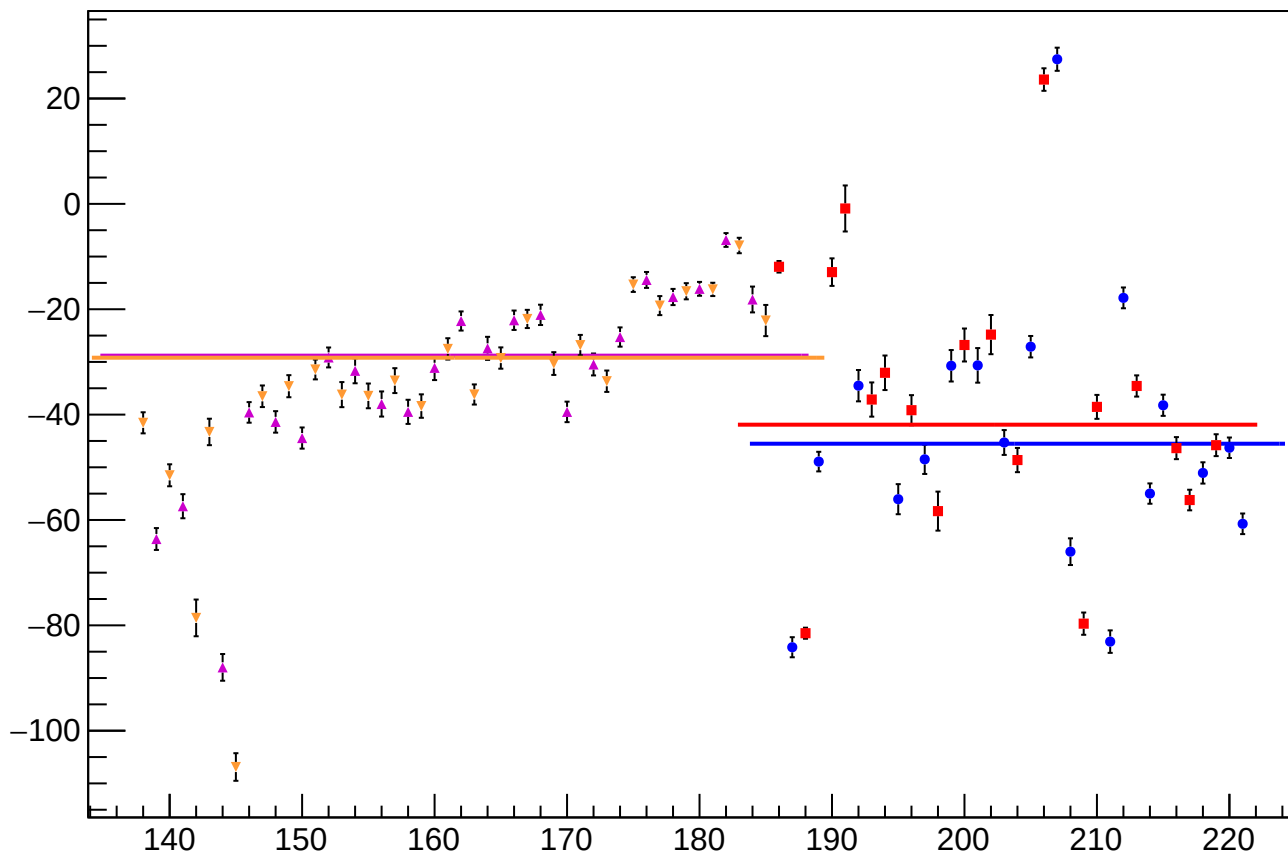
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 119.122 $\pm$ 0.035 χ^2 /NDF: 99182.1/59

All: 116.228 $\pm$ 0.024 χ^2 /NDF: 599595.0/119

- sign 113.451 $\pm$ 0.034 χ^2 /NDF: 486657.0/59

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -45.525 +/- 0.521 χ^2/NDF : 2349.7/17

Left Out: -29.199 +/- 0.389 χ^2/NDF : 1881.5/24

Right Out: -41.912 +/- 0.483 χ^2/NDF : 3799.6/17

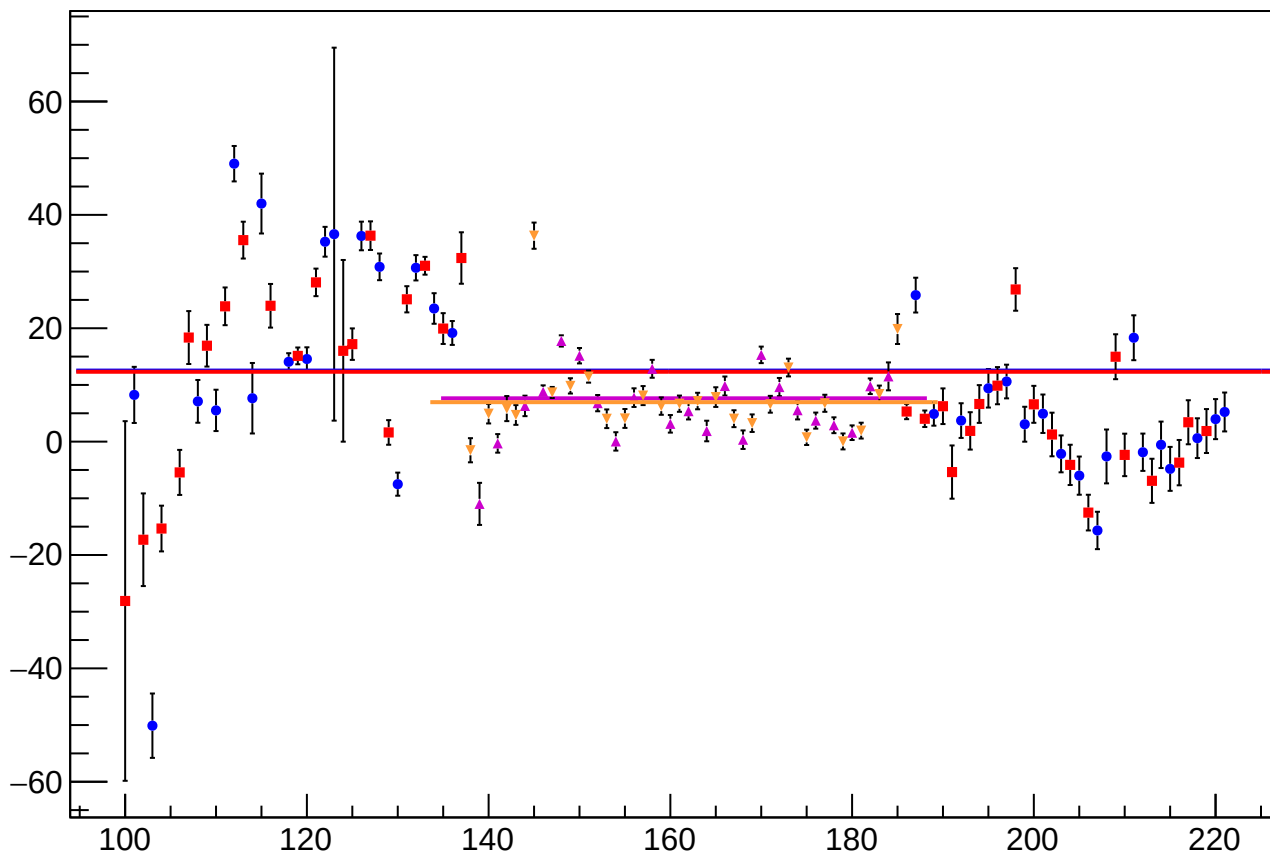
Left In: -28.810 +/- 0.395 χ^2/NDF : 1763.8/22

+ sign -35.031 +/- 0.312 χ^2/NDF : 4861.8/42

All: -34.540 +/- 0.218 χ^2/NDF : 10870.8/83

- sign -34.067 +/- 0.306 χ^2/NDF : 6004.2/40

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.533 ± 0.498 $\chi^2/\text{NDF}: 975.8/34$

Left Out: 6.960 ± 0.303 $\chi^2/\text{NDF}: 321.3/24$

Right Out: 12.326 ± 0.463 $\chi^2/\text{NDF}: 790.3/36$

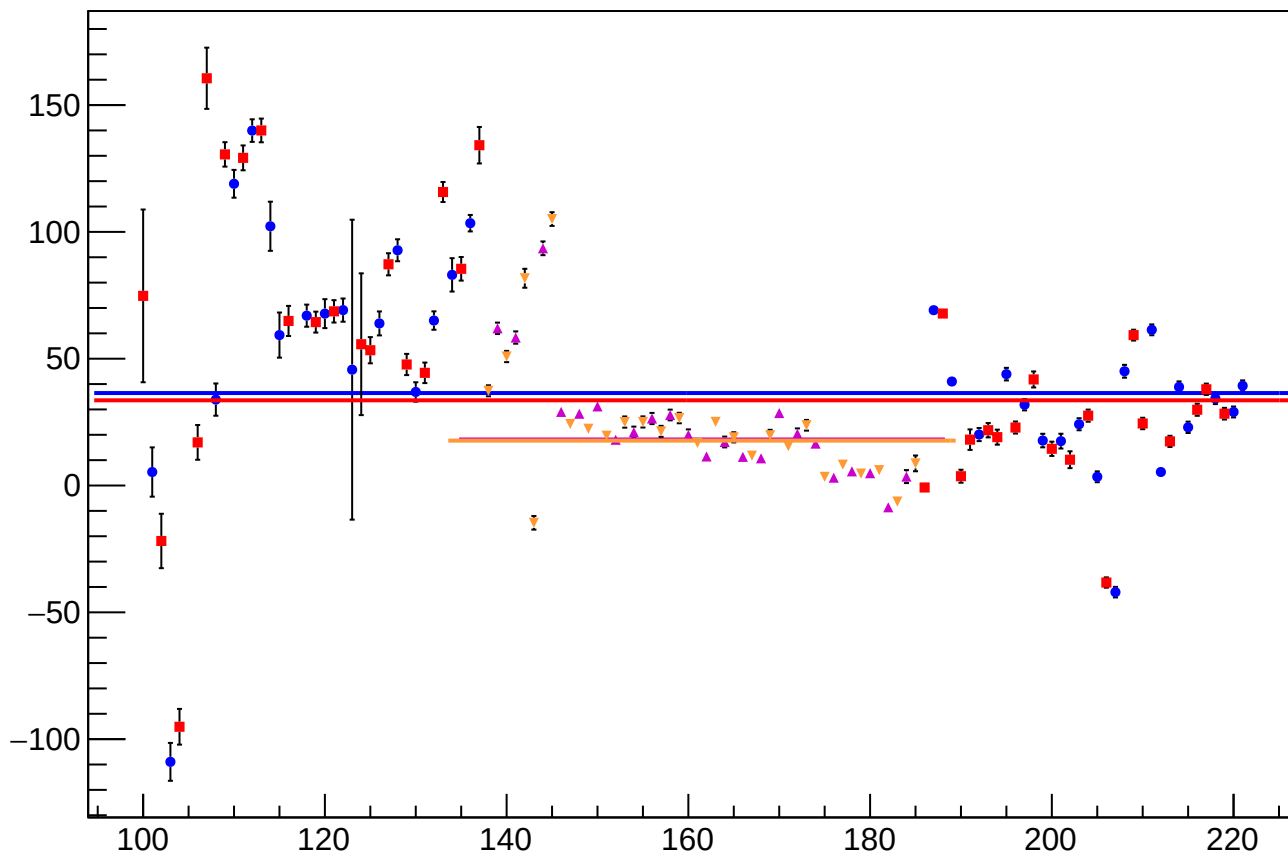
Left In: 7.638 ± 0.313 $\chi^2/\text{NDF}: 337.7/22$

+ sign 8.463 ± 0.259 $\chi^2/\text{NDF}: 1388.4/59$

All: 8.787 ± 0.183 $\chi^2/\text{NDF}: 2589.9/119$

- sign 9.113 ± 0.260 $\chi^2/\text{NDF}: 1198.4/59$

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 36.458 ± 0.470 $\chi^2/\text{NDF}: 4789.5/34$

Left Out: 17.705 ± 0.387 $\chi^2/\text{NDF}: 2432.2/24$

Right Out: 33.593 ± 0.411 $\chi^2/\text{NDF}: 7836.9/36$

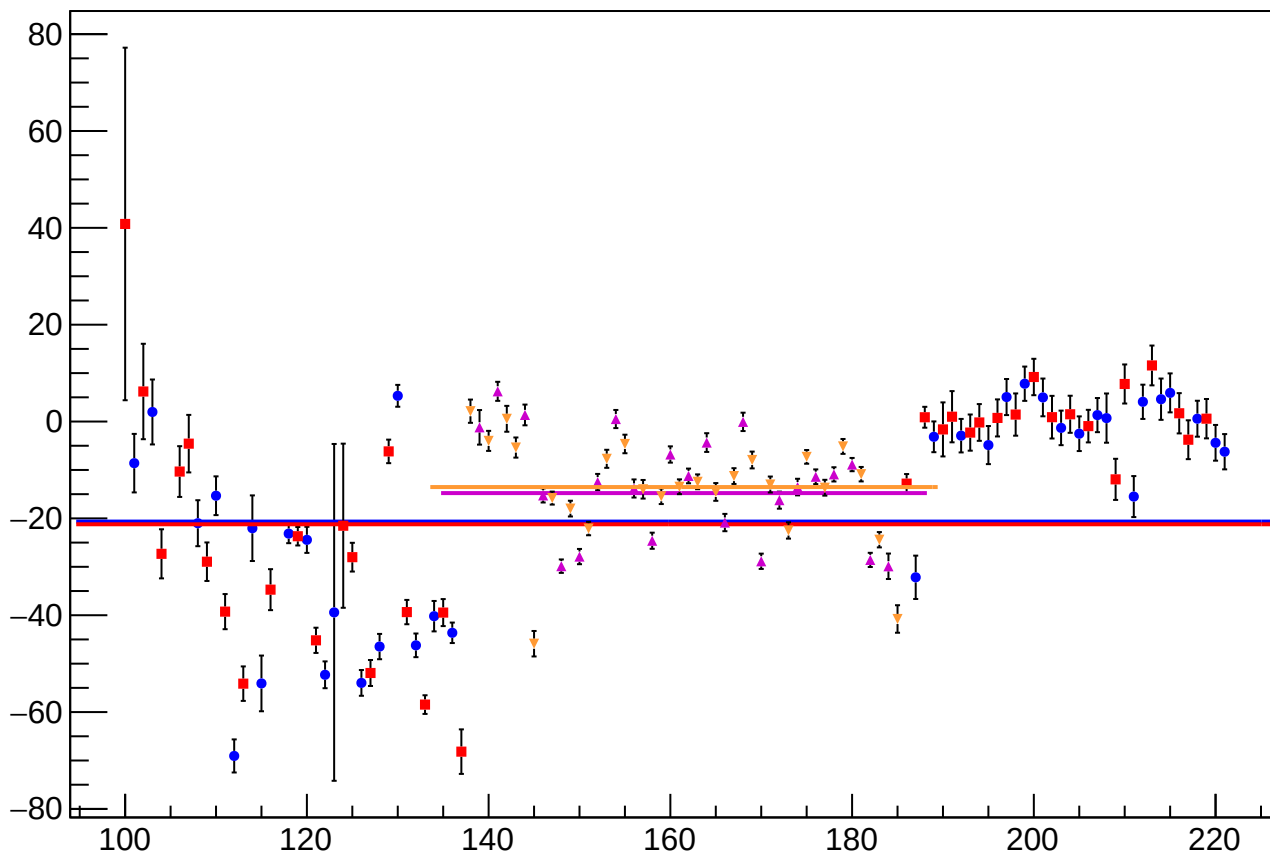
Left In: 18.150 ± 0.393 $\chi^2/\text{NDF}: 2339.4/22$

+ sign 25.292 ± 0.299 $\chi^2/\text{NDF}: 8170.6/59$

All: 25.408 ± 0.206 $\chi^2/\text{NDF}: 19084.9/119$

- sign 25.512 ± 0.284 $\chi^2/\text{NDF}: 10914.0/59$

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -20.660 ± 0.572 $\chi^2/\text{NDF}: 1582.8/34$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -21.216 ± 0.553 $\chi^2/\text{NDF}: 1611.9/36$

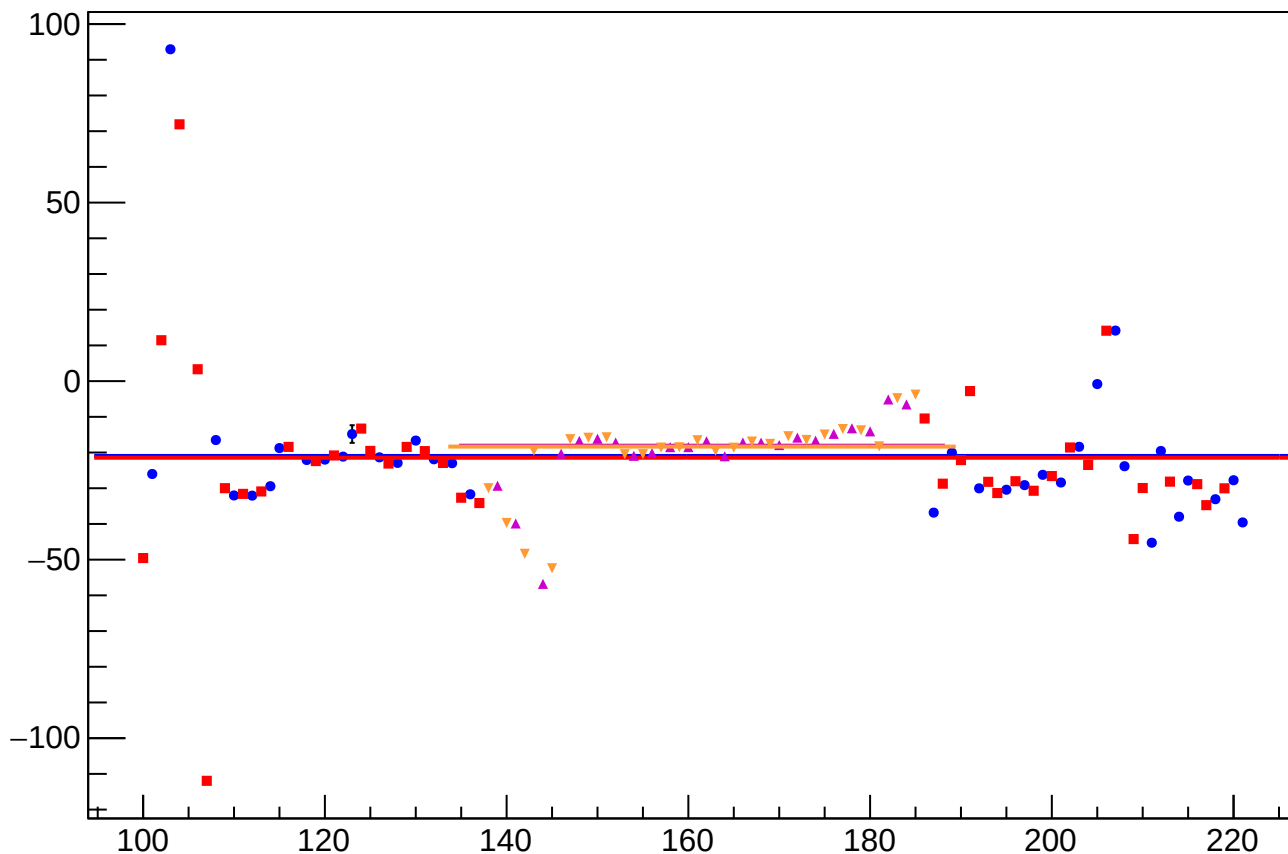
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -15.426 ± 0.295 $\chi^2/\text{NDF}: 2269.8/59$

All: -16.033 ± 0.210 $\chi^2/\text{NDF}: 4824.5/119$

- sign -16.653 ± 0.298 $\chi^2/\text{NDF}: 2546.2/59$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.959 ± 0.028 χ^2/NDF : 631442.6/34

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -21.457 ± 0.027 χ^2/NDF : 584818.5/36

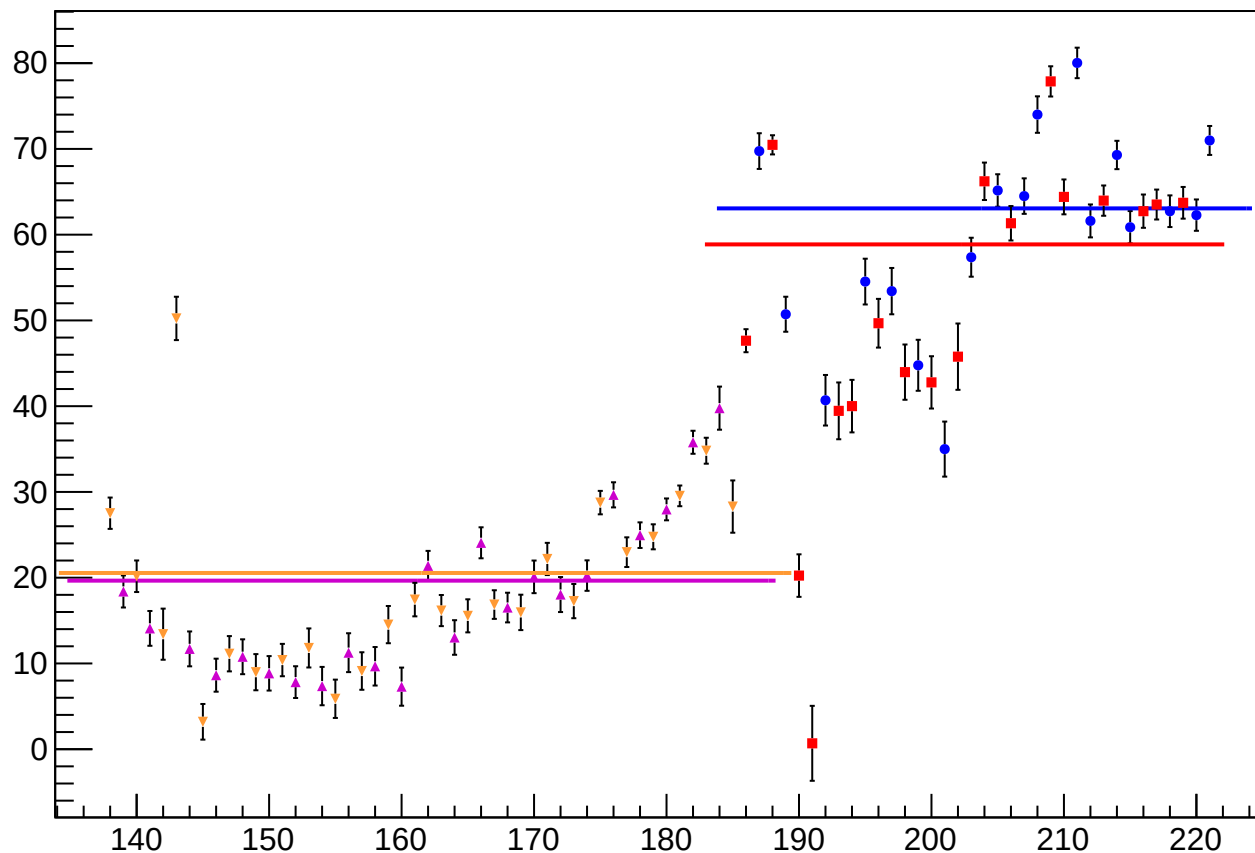
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -18.982 ± 0.014 χ^2/NDF : 922370.2/59

All: -18.974 ± 0.010 χ^2/NDF : 1760645.1/119

- sign -18.966 ± 0.014 χ^2/NDF : 838274.2/59

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 63.064 $\pm$ 0.489 χ^2 /NDF: 405.6/17

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF: 626.4/24

Right Out: 58.865 $\pm$ 0.477 χ^2 /NDF: 903.7/17

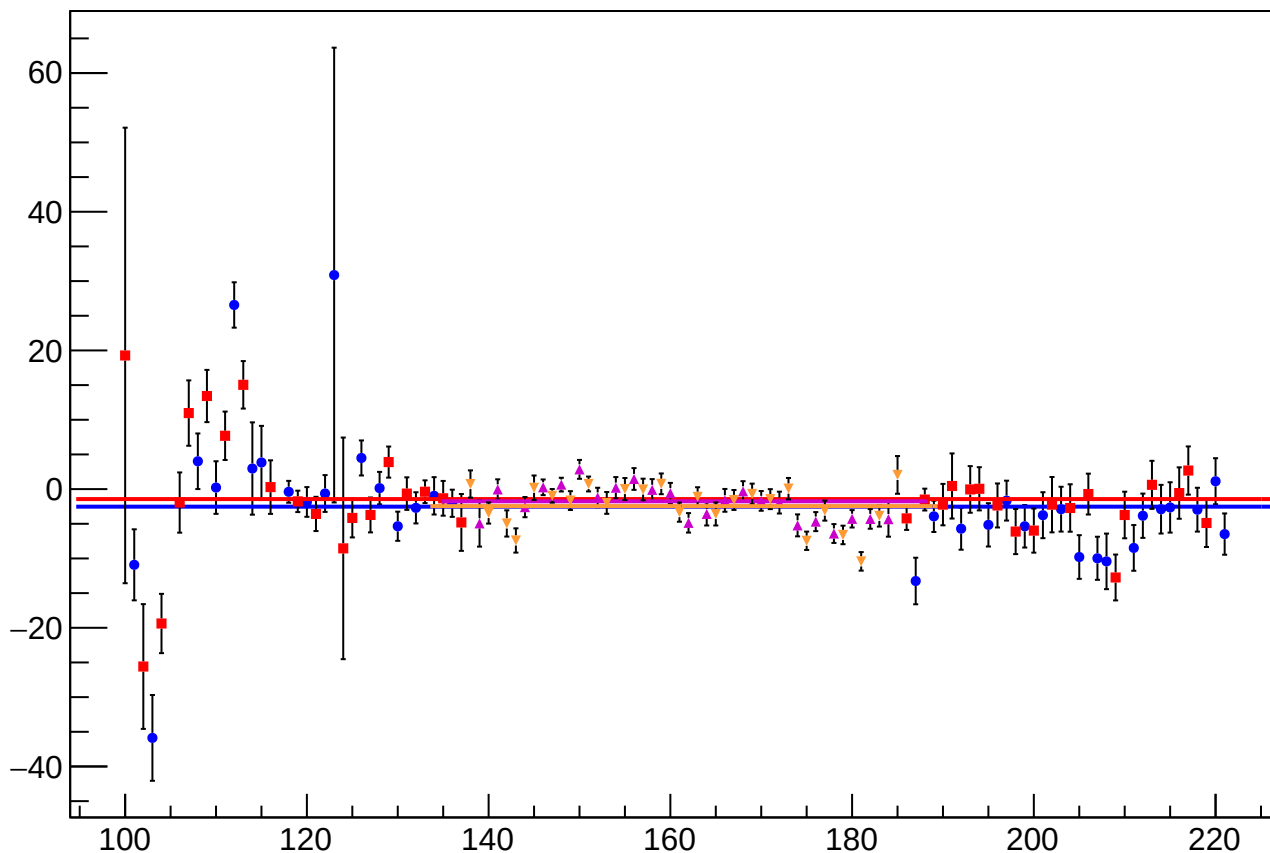
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

+ sign 36.185 $\pm$ 0.297 χ^2 /NDF: 5808.1/42

All: 35.539 $\pm$ 0.210 χ^2 /NDF: 11420.6/83

- sign 34.889 $\pm$ 0.297 χ^2 /NDF: 5602.9/40

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.531 ± 0.494 χ^2/NDF : 165.7/34

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.437 ± 0.472 χ^2/NDF : 110.4/36

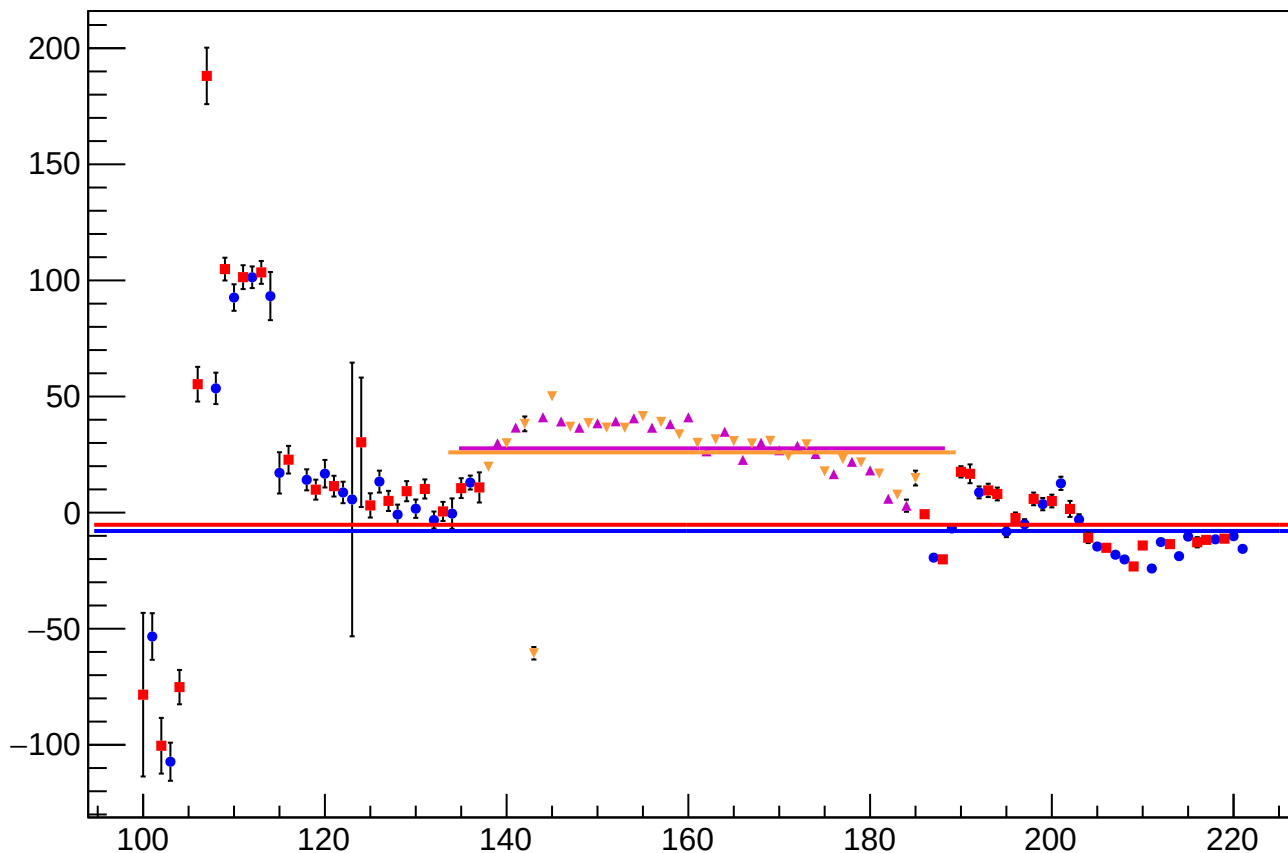
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.474 ± 0.252 χ^2/NDF : 271.6/59

All: -2.074 ± 0.179 χ^2/NDF : 454.9/119

- sign -1.665 ± 0.254 χ^2/NDF : 178.1/59

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -7.908 ± 0.451 $\chi^2/\text{NDF}: 1726.4/34$

Left Out: 25.938 ± 0.372 $\chi^2/\text{NDF}: 1711.6/24$

Right Out: -5.243 ± 0.418 $\chi^2/\text{NDF}: 2696.2/36$

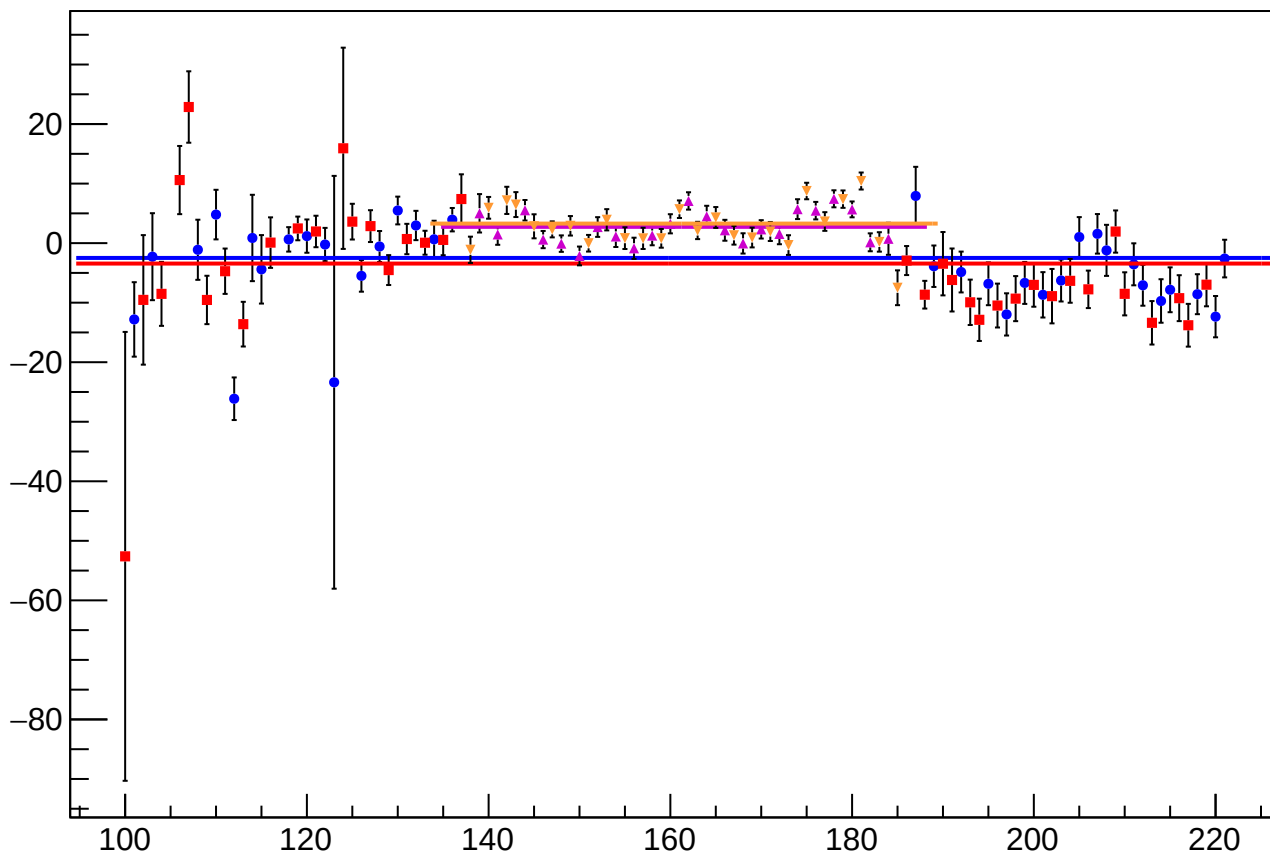
Left In: 27.677 ± 0.378 $\chi^2/\text{NDF}: 803.9/22$

+ sign 12.222 ± 0.287 $\chi^2/\text{NDF}: 6786.7/59$

All: 12.544 ± 0.201 $\chi^2/\text{NDF}: 13700.8/119$

- sign 12.852 ± 0.280 $\chi^2/\text{NDF}: 6911.7/59$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -2.485 ± 0.561 χ^2/NDF : 125.9/34

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -3.431 ± 0.555 χ^2/NDF : 128.5/36

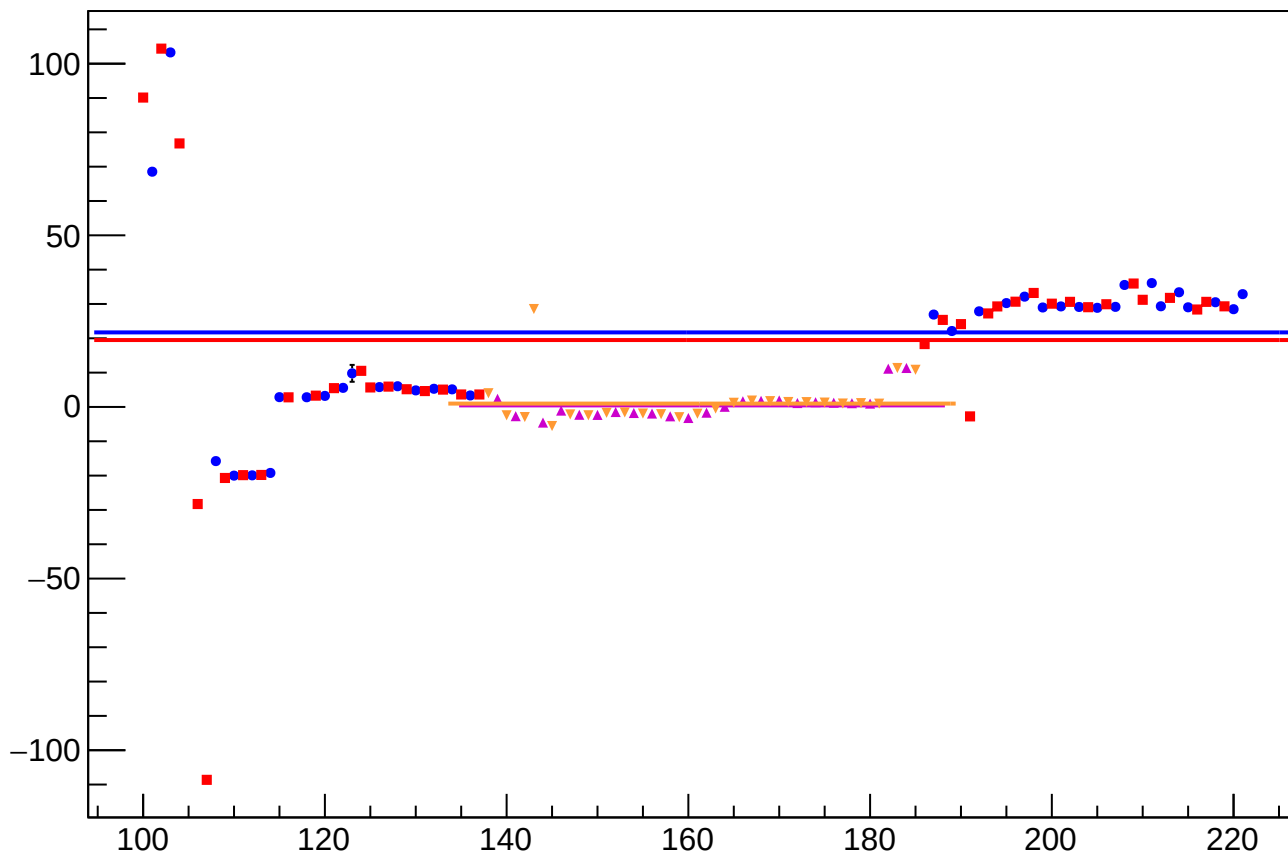
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 1.791 ± 0.285 χ^2/NDF : 306.5/59

All: 1.426 ± 0.204 χ^2/NDF : 592.4/119

- sign 1.048 ± 0.291 χ^2/NDF : 282.6/59

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.719 $\pm$ 0.027 χ^2 /NDF: 521082.4/34

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

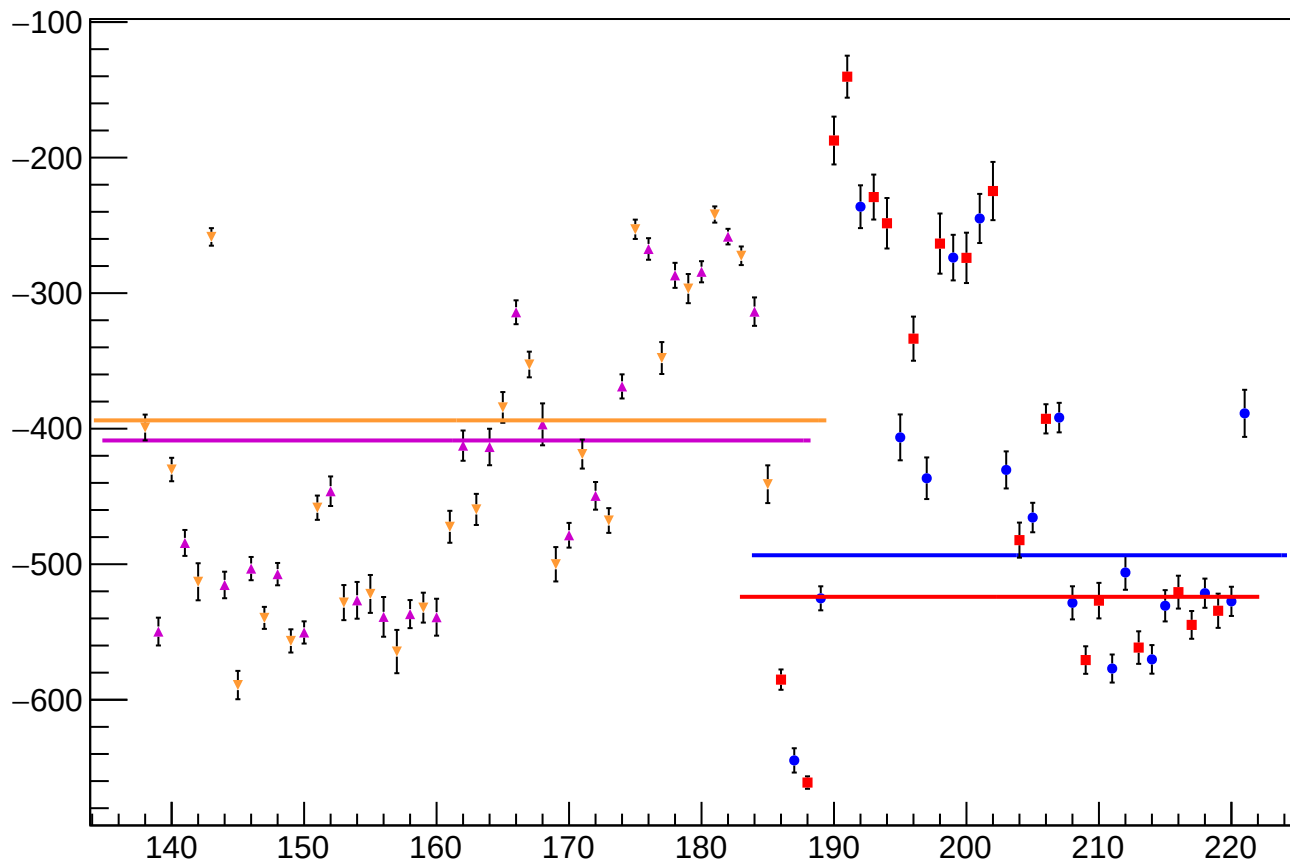
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 6.000 $\pm$ 0.013 χ^2 /NDF: 1089708.4/59

All: 5.631 $\pm$ 0.009 χ^2 /NDF: 2278049.4/119

- sign 5.255 $\pm$ 0.013 χ^2 /NDF: 1186770.1/59

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -493.387 ± 2.829 $\chi^2/\text{NDF}: 1267.5/17$

Left Out: -393.871 ± 1.897 $\chi^2/\text{NDF}: 3772.8/24$

Right Out: -524.047 ± 2.586 $\chi^2/\text{NDF}: 3313.5/17$

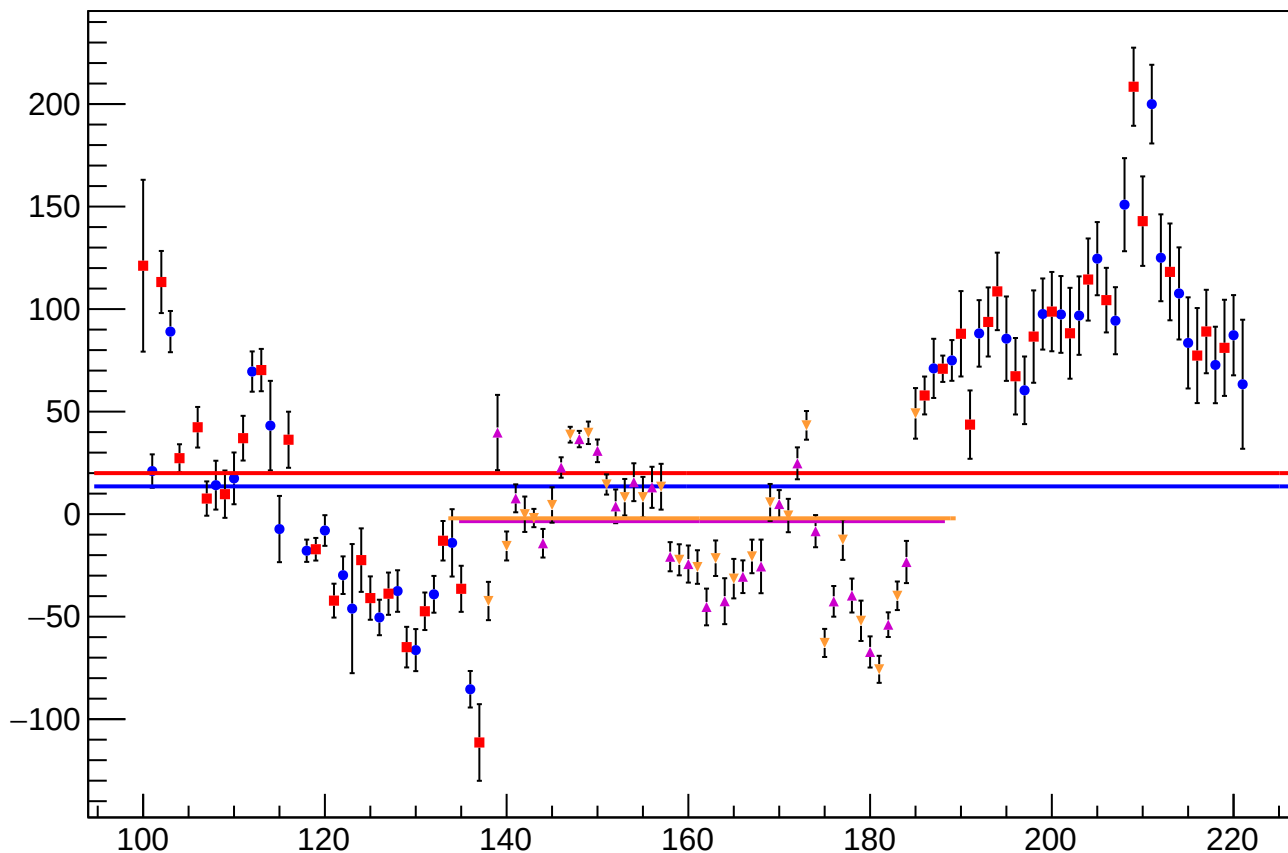
Left In: -408.696 ± 1.979 $\chi^2/\text{NDF}: 3062.9/22$

+ sign -424.739 ± 1.576 $\chi^2/\text{NDF}: 5893.9/42$

All: -438.057 ± 1.113 $\chi^2/\text{NDF}: 13667.8/83$

- sign -451.306 ± 1.572 $\chi^2/\text{NDF}: 7631.4/40$

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 13.531 ± 2.047 $\chi^2/\text{NDF}: 896.4/34$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 20.000 ± 1.915 $\chi^2/\text{NDF}: 866.6/36$

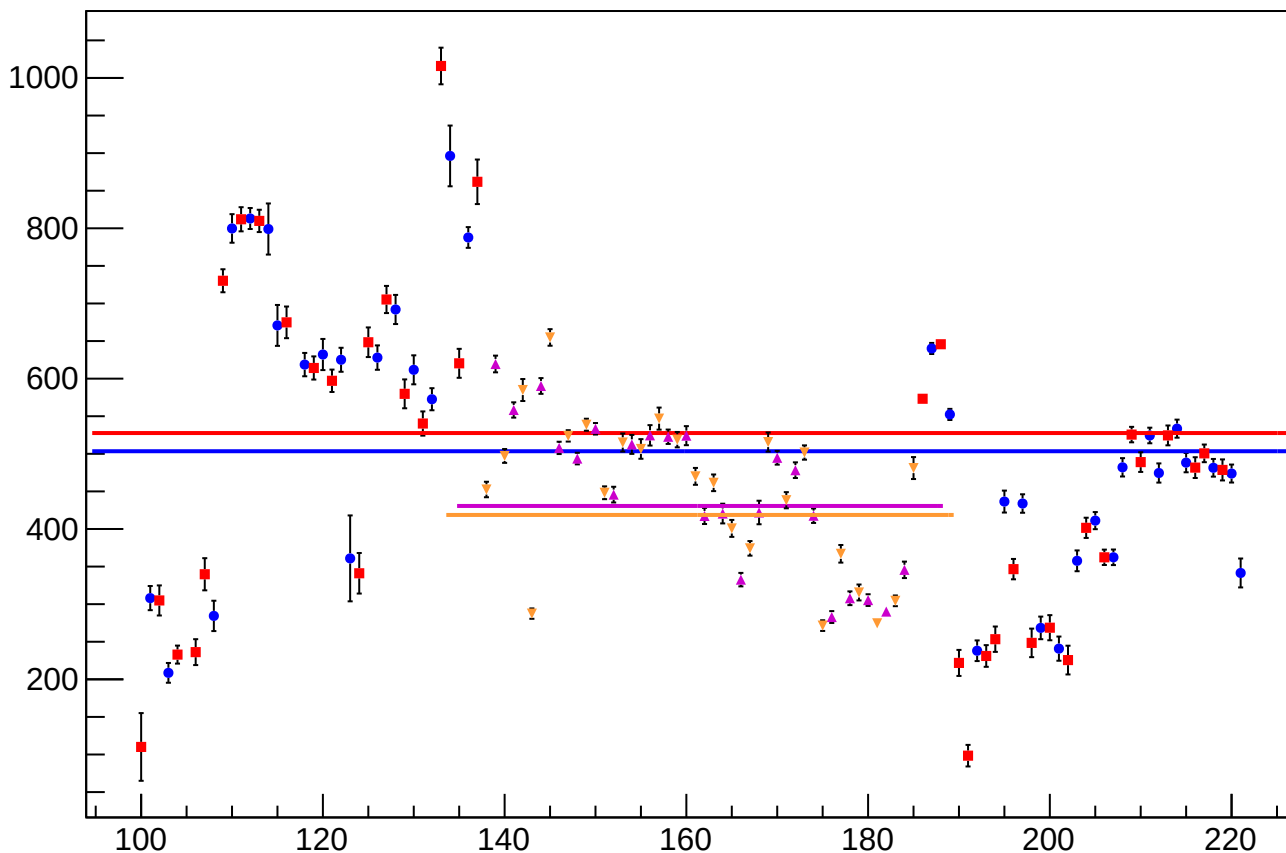
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign 3.040 ± 1.169 $\chi^2/\text{NDF}: 1499.1/59$

All: 4.311 ± 0.834 $\chi^2/\text{NDF}: 2910.9/119$

- sign 5.630 ± 1.191 $\chi^2/\text{NDF}: 1409.3/59$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 503.442 ± 2.303 $\chi^2/\text{NDF}: 4288.8/34$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 527.637 ± 2.023 $\chi^2/\text{NDF}: 7118.8/36$

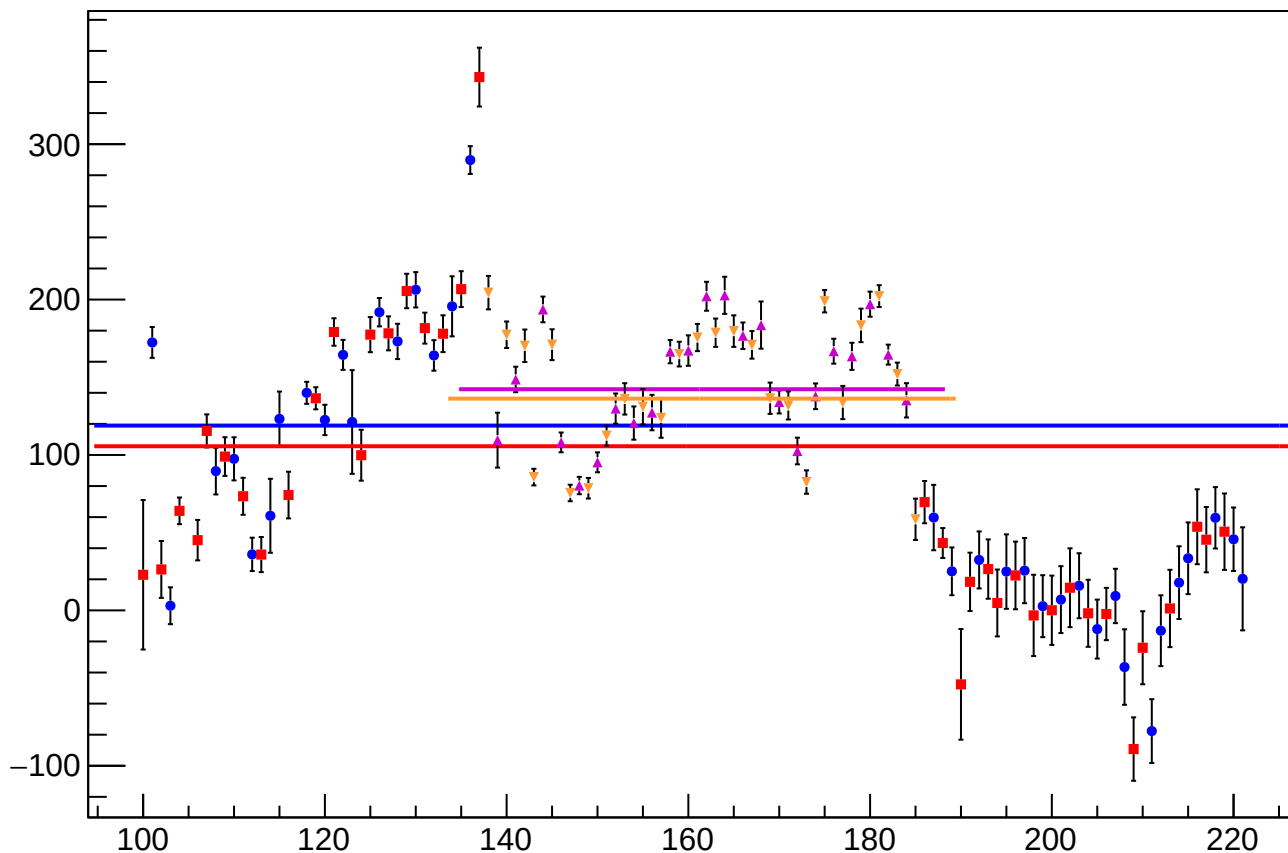
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 453.113 ± 1.468 $\chi^2/\text{NDF}: 8389.6/59$

All: 465.976 ± 1.017 $\chi^2/\text{NDF}: 19686.4/119$

- sign 477.871 ± 1.412 $\chi^2/\text{NDF}: 11149.0/59$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 118.909 $\pm$ 2.372 χ^2/NDF : 1279.1/34

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

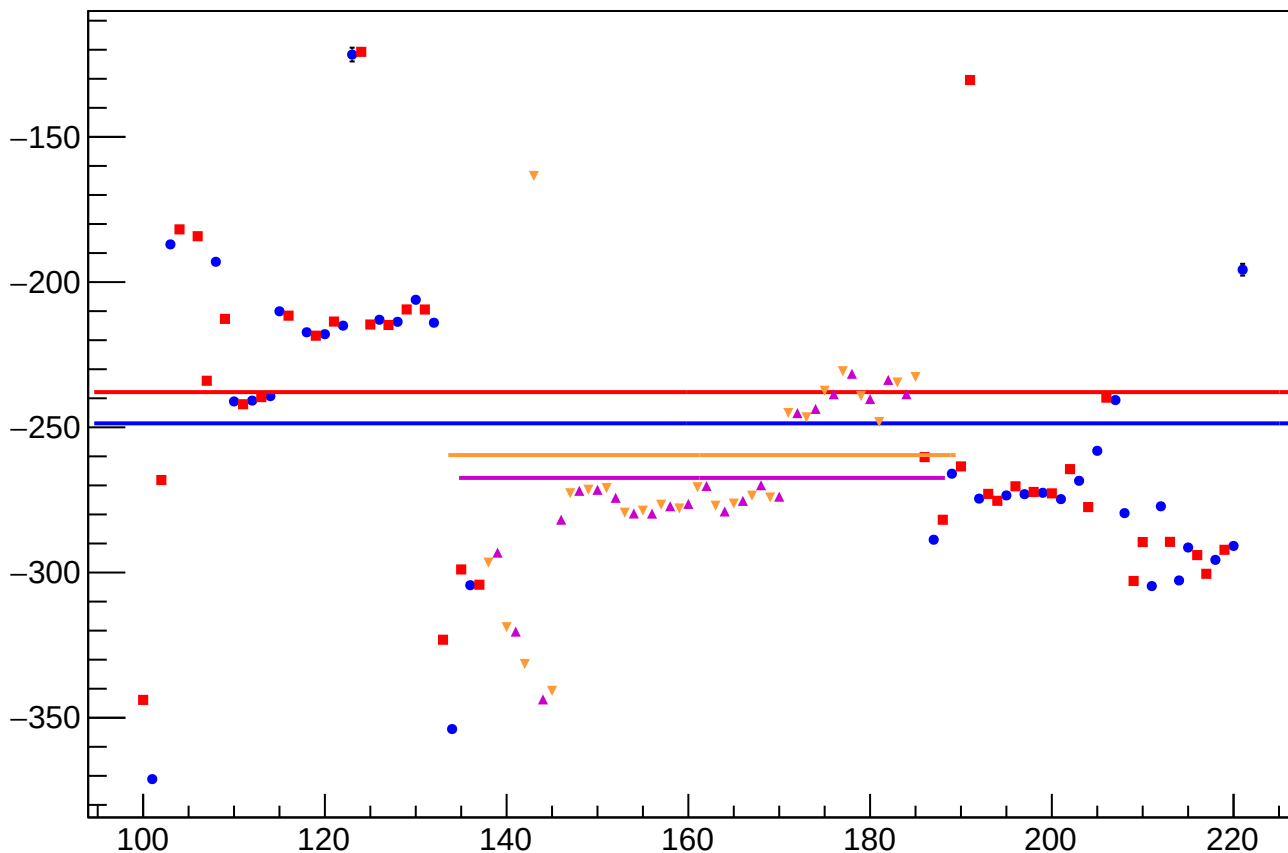
Left In: 142.296 $\pm$ 1.745 χ^2/NDF : 459.8/22

+ sign 130.597 $\pm$ 1.355 χ^2/NDF : 2073.4/59

All: 129.641 $\pm$ 0.968 χ^2/NDF : 3818.4/119

- sign 128.646 $\pm$ 1.382 χ^2/NDF : 1744.0/59

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -248.633 ± 0.118 $\chi^2/\text{NDF}: 176211.0/34$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -237.880 ± 0.111 $\chi^2/\text{NDF}: 189121.1/36$

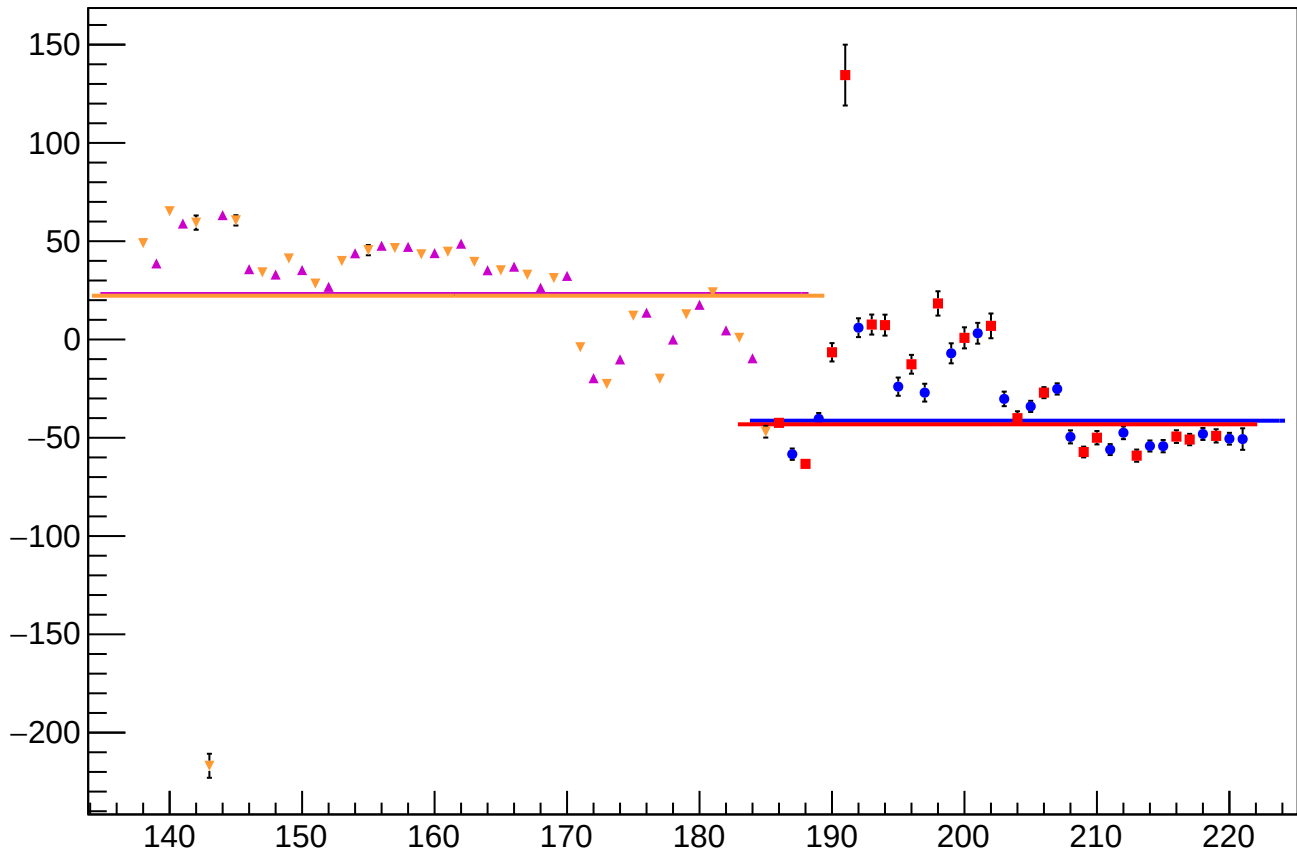
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -256.189 ± 0.066 $\chi^2/\text{NDF}: 420327.7/59$

All: -256.629 ± 0.047 $\chi^2/\text{NDF}: 753397.8/119$

- sign -257.069 ± 0.066 $\chi^2/\text{NDF}: 332980.6/59$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.318 ± 0.801 χ^2/NDF : 412.2/17

Left Out: 22.279 ± 0.399 χ^2/NDF : 5171.0/24

Right Out: -43.153 ± 0.740 χ^2/NDF : 923.4/17

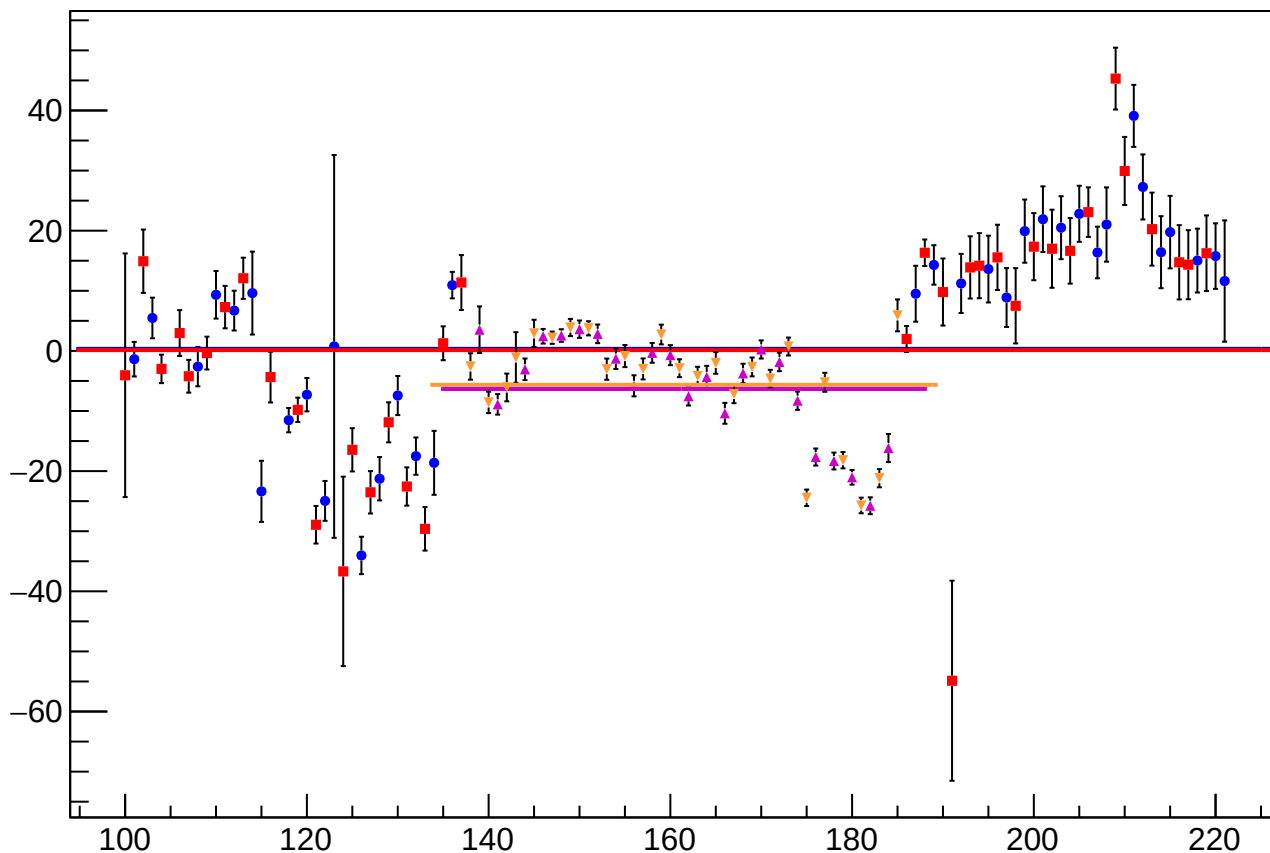
Left In: 23.136 ± 0.401 χ^2/NDF : 2744.7/22

+ sign 9.649 ± 0.357 χ^2/NDF : 10634.8/42

All: 8.847 ± 0.251 χ^2/NDF : 20512.8/83

- sign 8.063 ± 0.353 χ^2/NDF : 9868.0/40

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 0.338 ± 0.660 χ^2/NDF : 612.5/34

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: 0.132 ± 0.616 χ^2/NDF : 632.0/36

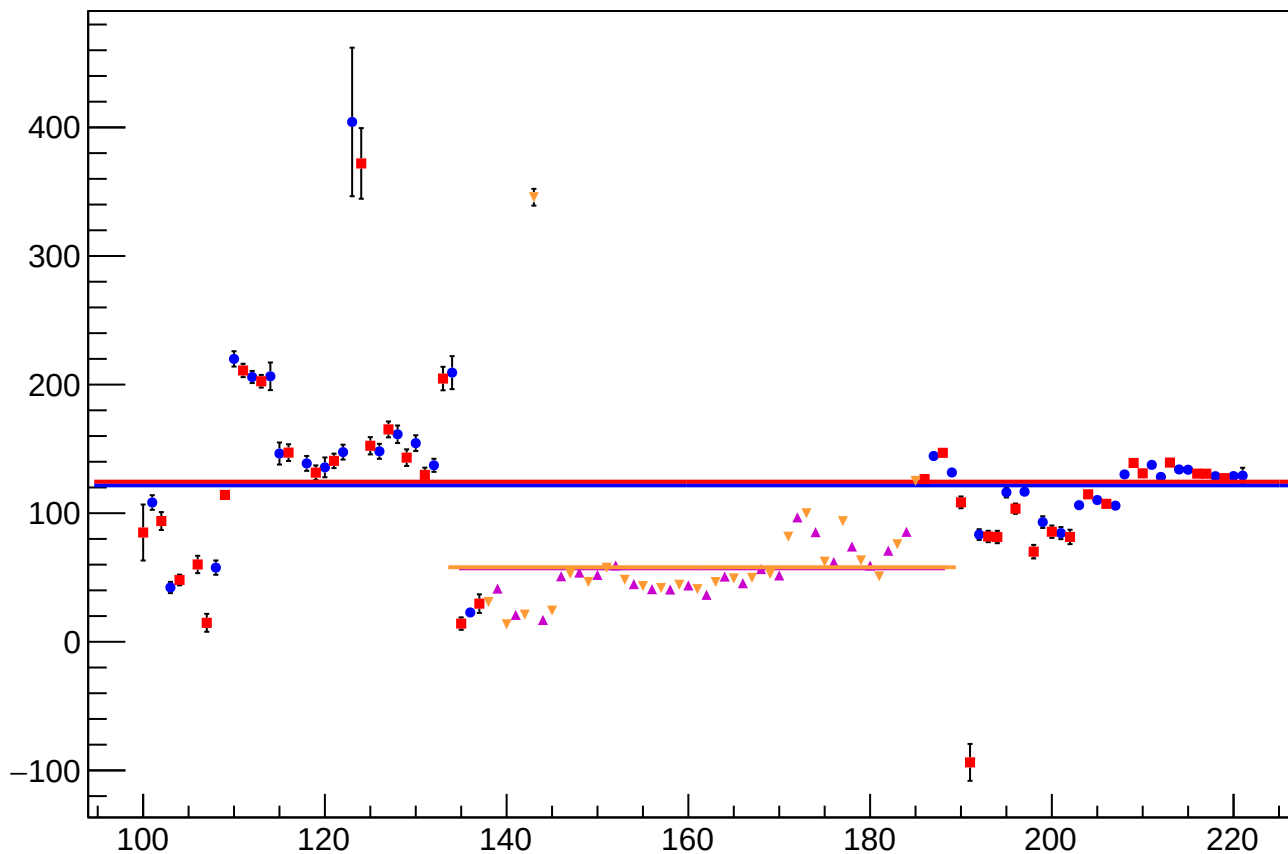
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -4.530 ± 0.285 χ^2/NDF : 1573.0/59

All: -4.742 ± 0.201 χ^2/NDF : 3075.7/119

- sign -4.954 ± 0.285 χ^2/NDF : 1501.6/59

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 121.657 $\pm$ 0.684 χ^2 /NDF: 2614.2/34

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

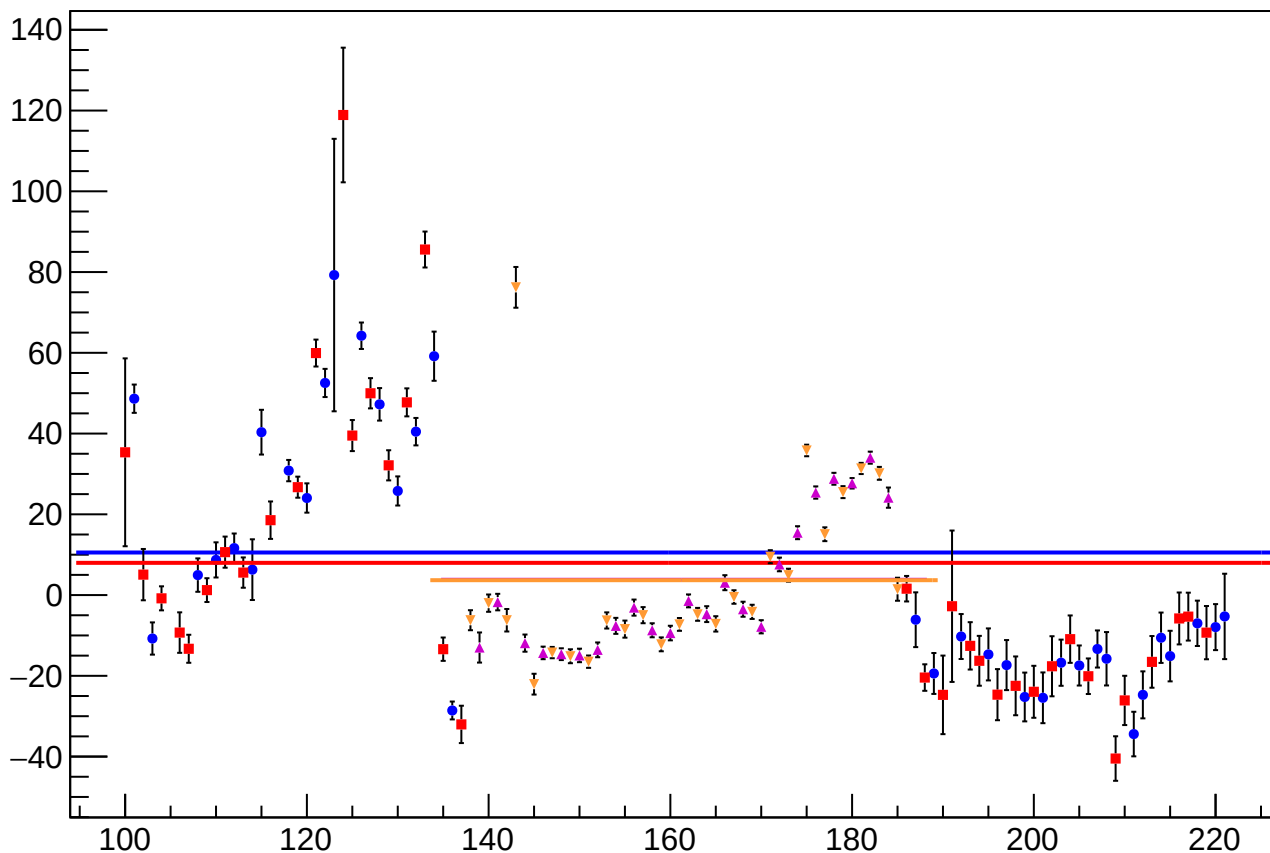
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 74.107 $\pm$ 0.344 χ^2 /NDF: 13729.8/59

All: 75.971 $\pm$ 0.239 χ^2 /NDF: 27555.8/119

- sign 77.718 $\pm$ 0.333 χ^2 /NDF: 13769.1/59

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 10.542 ± 0.755 χ^2/NDF : 1632.4/34

Left Out: 3.684 ± 0.357 χ^2/NDF : 2541.7/24

Right Out: 7.981 ± 0.725 χ^2/NDF : 1599.1/36

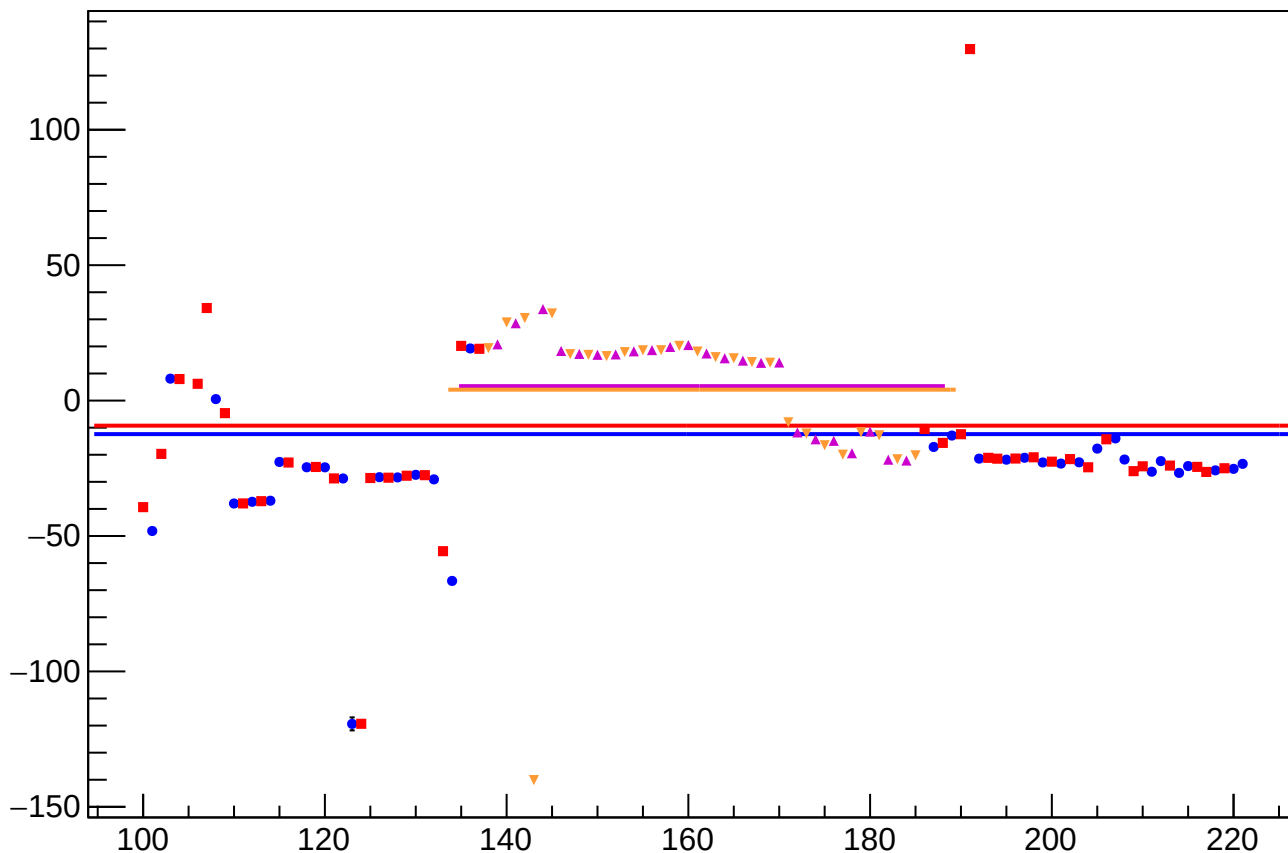
Left In: 3.786 ± 0.362 χ^2/NDF : 2198.8/22

+ sign 4.937 ± 0.322 χ^2/NDF : 4241.6/59

All: 4.780 ± 0.228 χ^2/NDF : 8066.8/119

- sign 4.622 ± 0.324 χ^2/NDF : 3824.7/59

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.381 ± 0.036 χ^2/NDF : 310488.9/34

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -9.259 ± 0.035 χ^2/NDF : 403282.2/36

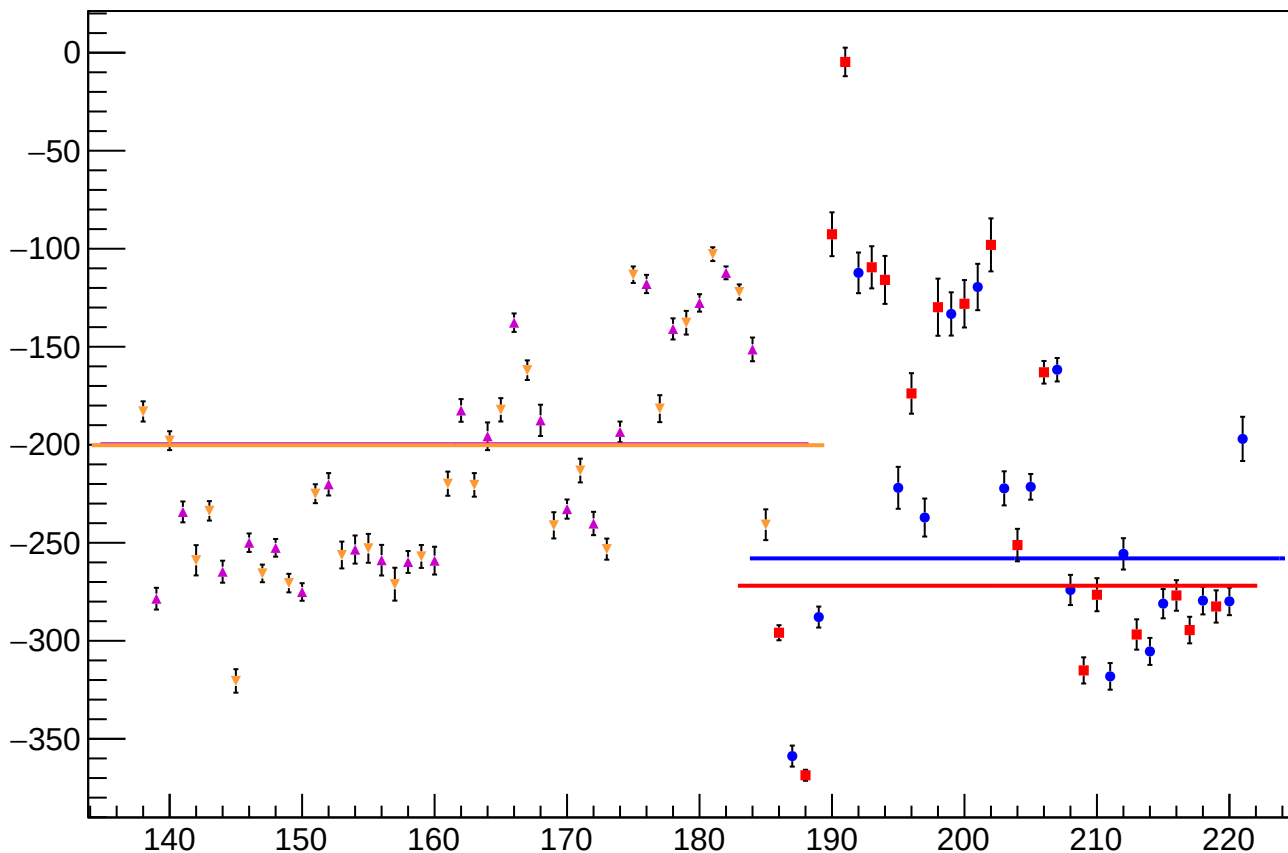
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.154 ± 0.015 χ^2/NDF : 1869597.8/59

All: 1.925 ± 0.011 χ^2/NDF : 3498882.6/119

- sign 2.696 ± 0.015 χ^2/NDF : 1623903.8/59

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -257.958 $\pm$ 1.768 χ^2 /NDF: 1359.0/17

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

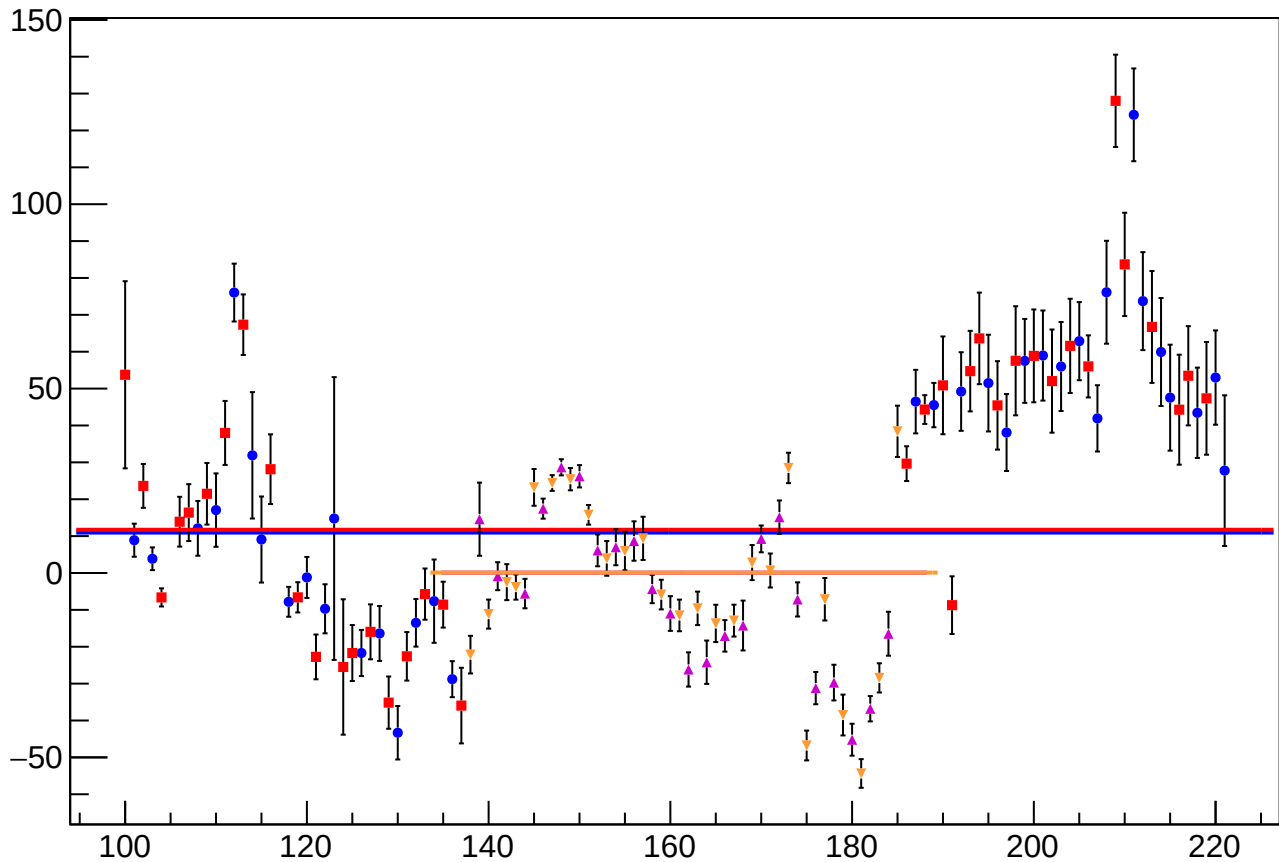
Left In: -199.739 $\pm$ 1.097 χ^2 /NDF:2968.0/22

+ sign -215.866 $\pm$ 0.920 χ^2 /NDF: 5361.2/42

All: -219.892 $\pm$ 0.642 χ^2 /NDF: 13939.3/83

- sign -223.715 $\pm$ 0.897 χ^2 /NDF: 8540.8/40

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.965 ± 1.278 $\chi^2/\text{NDF}: 614.9/34$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 11.722 ± 1.168 $\chi^2/\text{NDF}: 682.6/36$

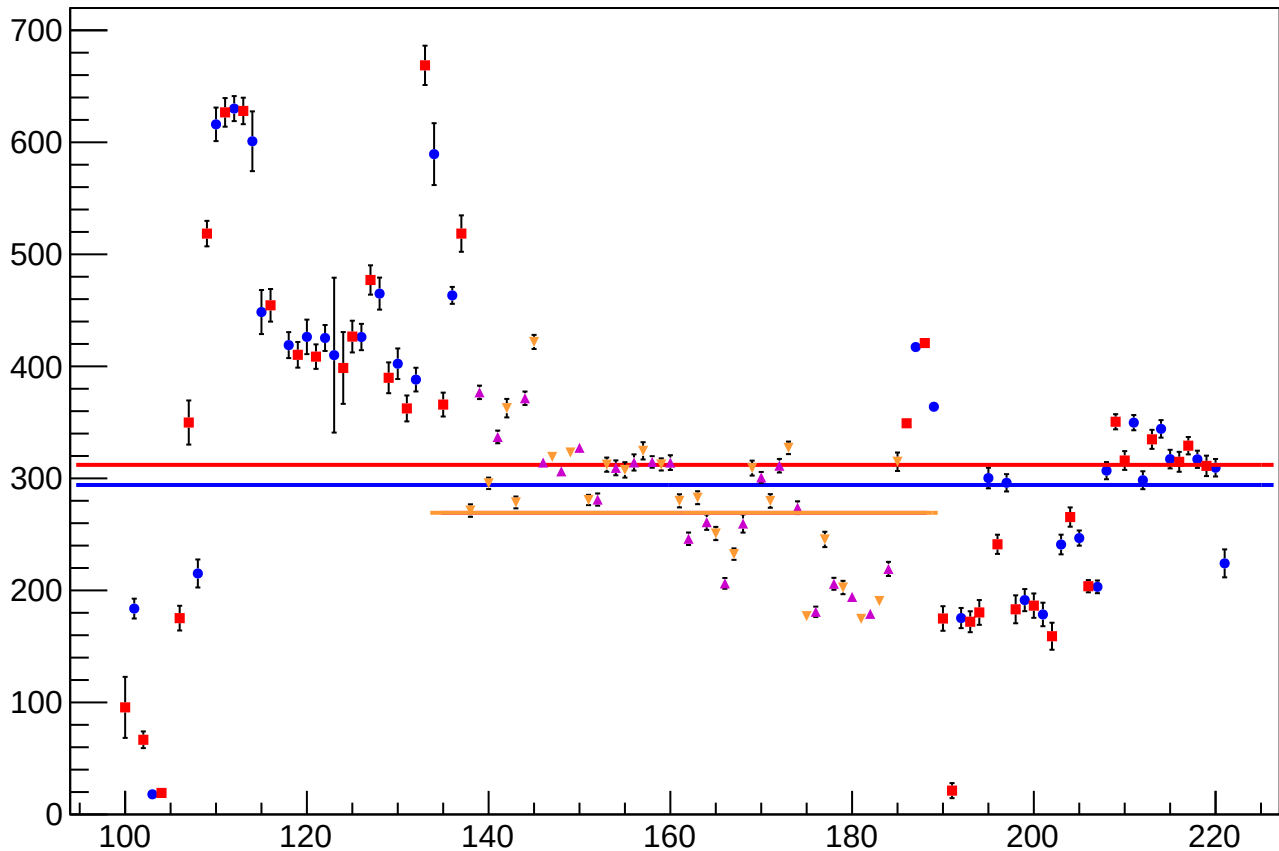
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 3.206 ± 0.682 $\chi^2/\text{NDF}: 1497.8/59$

All: 3.627 ± 0.482 $\chi^2/\text{NDF}: 2962.0/119$

- sign 4.046 ± 0.681 $\chi^2/\text{NDF}: 1463.5/59$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 294.122 $\pm$ 1.395 χ^2 /NDF: 9689.3/34

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 312.067 $\pm$ 1.203 χ^2 /NDF: 14408.7/36

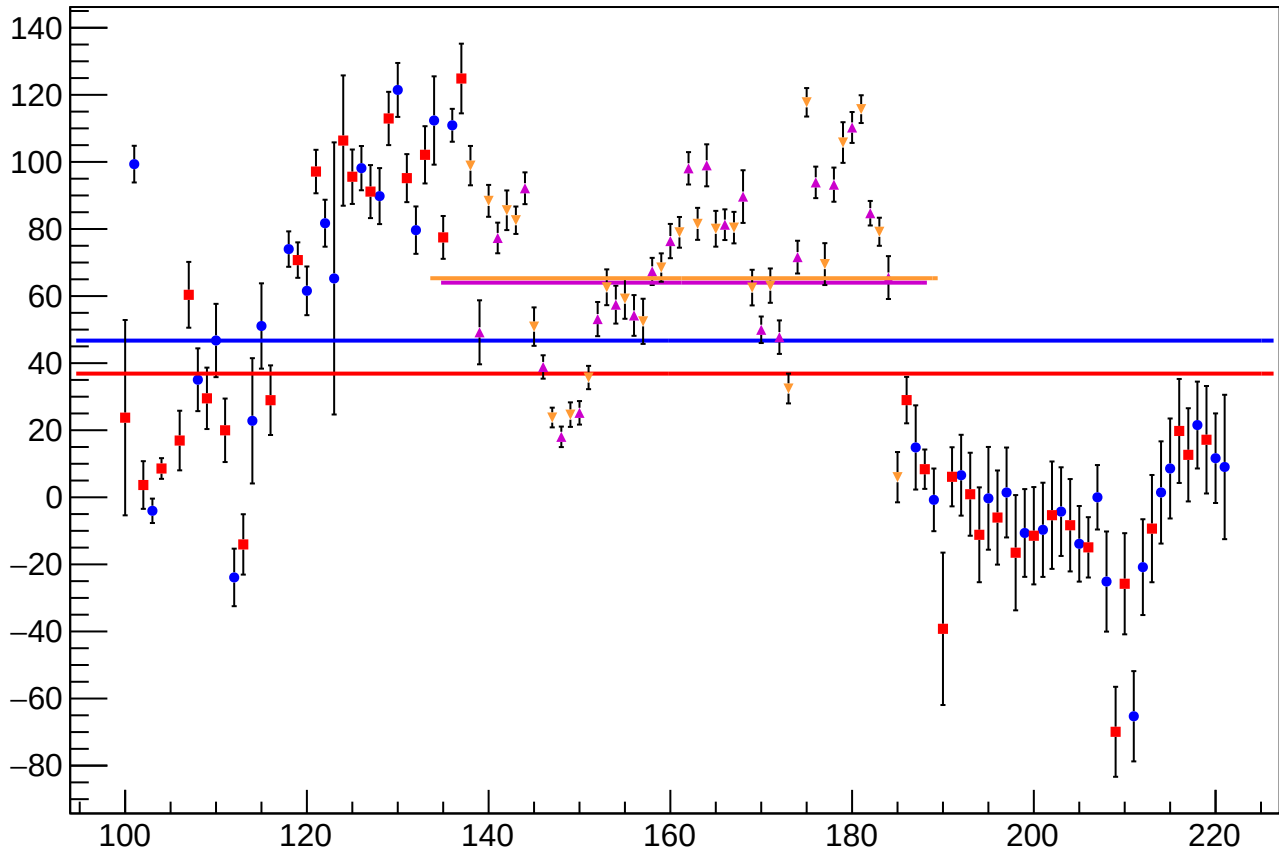
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 278.565 $\pm$ 0.853 χ^2 /NDF: 13034.7/59

All: 283.812 $\pm$ 0.587 χ^2 /NDF: 31382.5/119

- sign 288.525 $\pm$ 0.808 χ^2 /NDF: 18275.9/59

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 46.723 $\pm$ 1.483 χ^2/NDF : 1116.8/34

Left Out: 65.323 $\pm$ 0.935 χ^2/NDF : 1007.1/24

Right Out: 36.883 $\pm$ 1.403 χ^2/NDF : 965.6/36

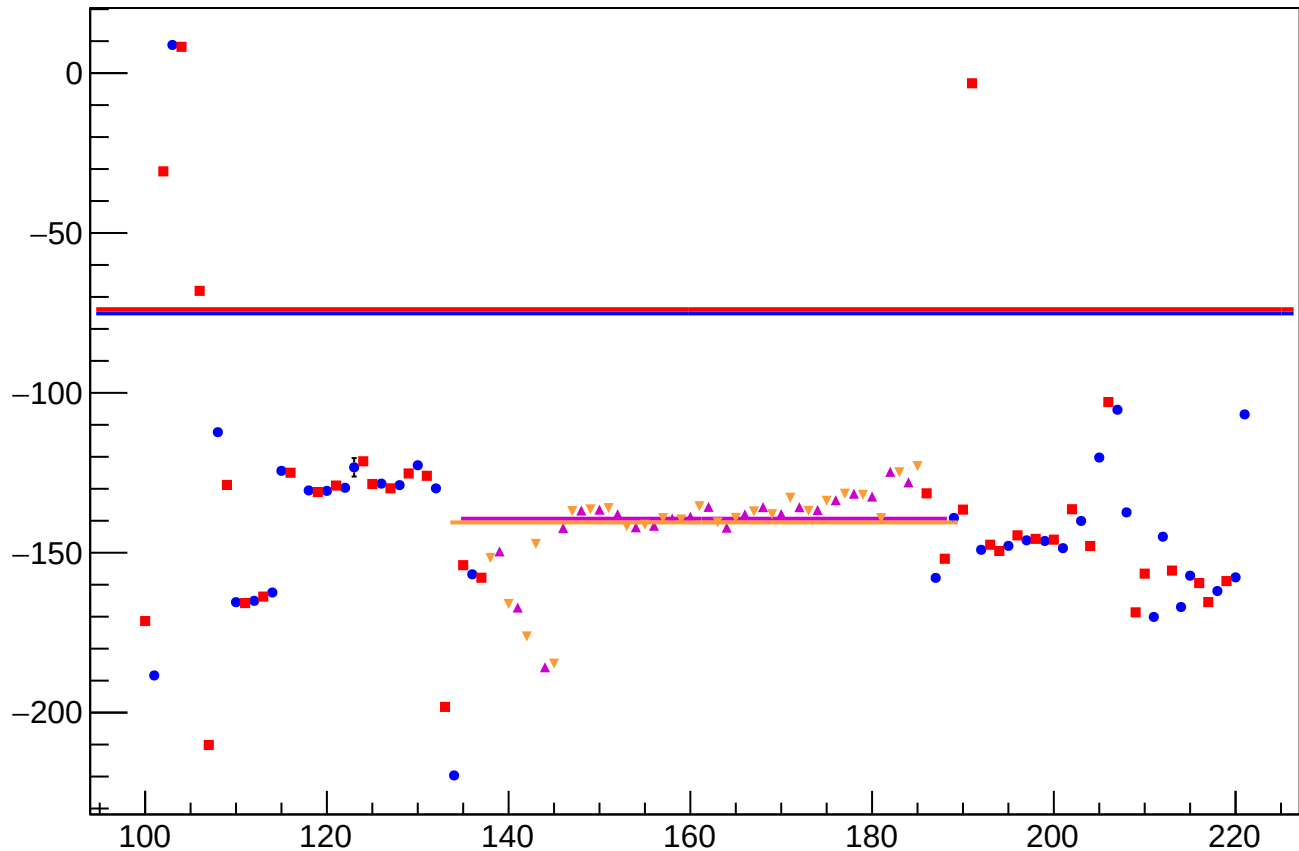
Left In: 63.999 $\pm$ 0.963 χ^2/NDF : 799.5/22

+ sign 60.036 $\pm$ 0.791 χ^2/NDF : 2236.5/59

All: 57.685 $\pm$ 0.560 χ^2/NDF : 4273.2/119

- sign 55.316 $\pm$ 0.794 χ^2/NDF : 2019.0/59

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -75.144 ± 0.061 $\chi^2/\text{NDF}: 1634435.7/34$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -73.836 ± 0.060 $\chi^2/\text{NDF}: 1465971.0/36$

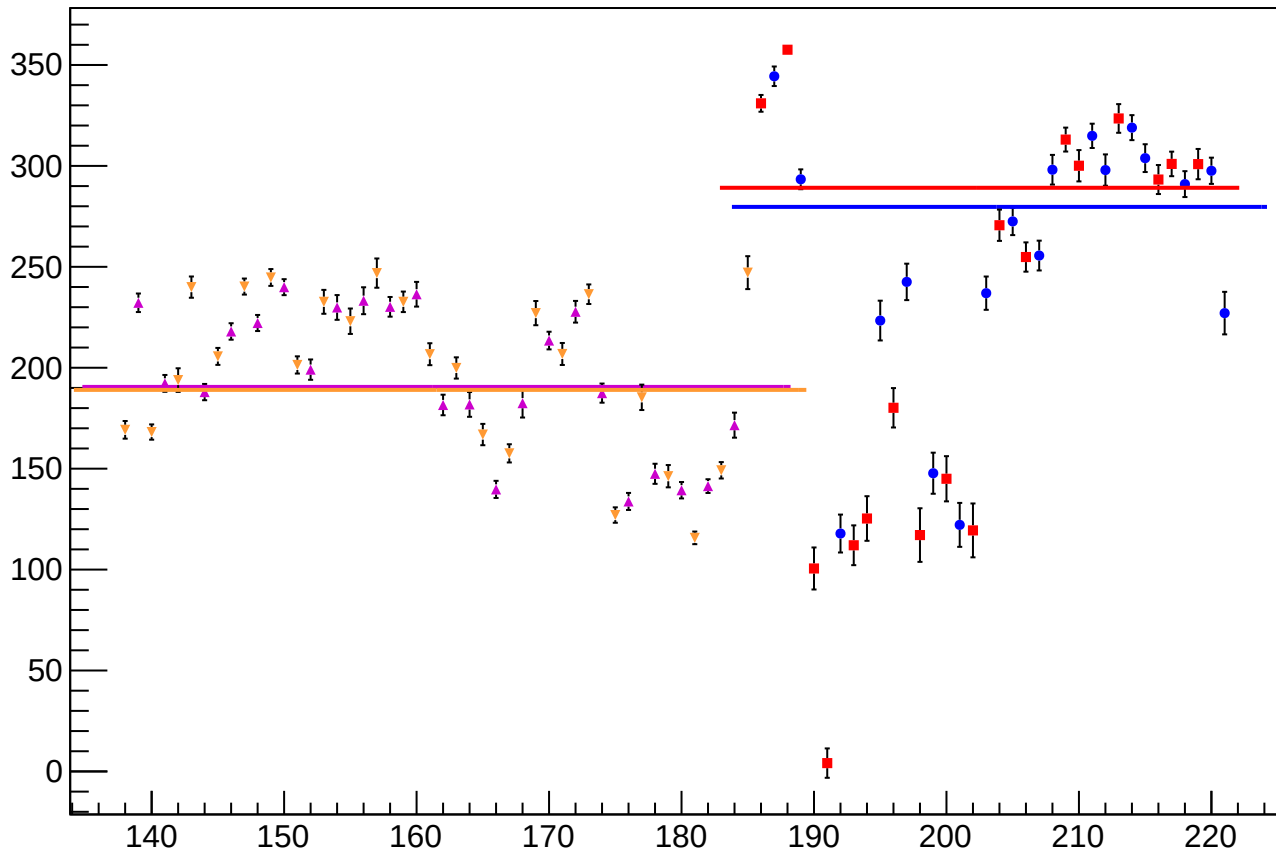
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -117.814 ± 0.036 $\chi^2/\text{NDF}: 2459700.5/59$

All: -116.730 ± 0.025 $\chi^2/\text{NDF}: 4756872.3/11$

- sign -115.648 ± 0.036 $\chi^2/\text{NDF}: 2295358.4/59$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 279.695 ± 1.672 $\chi^2/\text{NDF}: 1083.2/17$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 289.162 ± 1.477 $\chi^2/\text{NDF}: 3947.6/17$

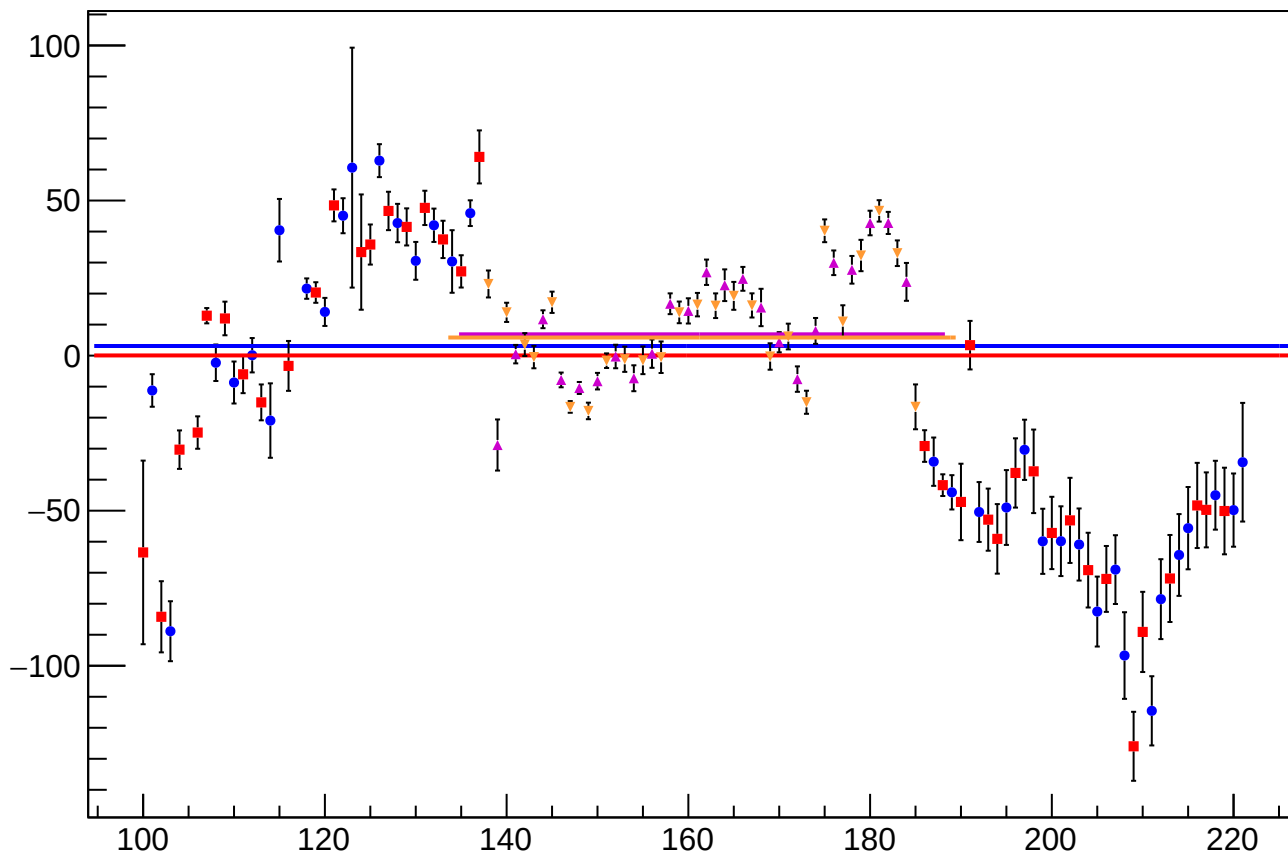
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 211.362 ± 0.830 $\chi^2/\text{NDF}: 5280.0/42$

All: 215.991 ± 0.581 $\chi^2/\text{NDF}: 13807.8/83$

- sign 220.444 ± 0.814 $\chi^2/\text{NDF}: 8466.8/40$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 3.099 ± 1.214 $\chi^2/\text{NDF}: 1214.6/34$

Left Out: 5.834 ± 0.712 $\chi^2/\text{NDF}: 652.2/24$

Right Out: 0.054 ± 1.053 $\chi^2/\text{NDF}: 1233.0/36$

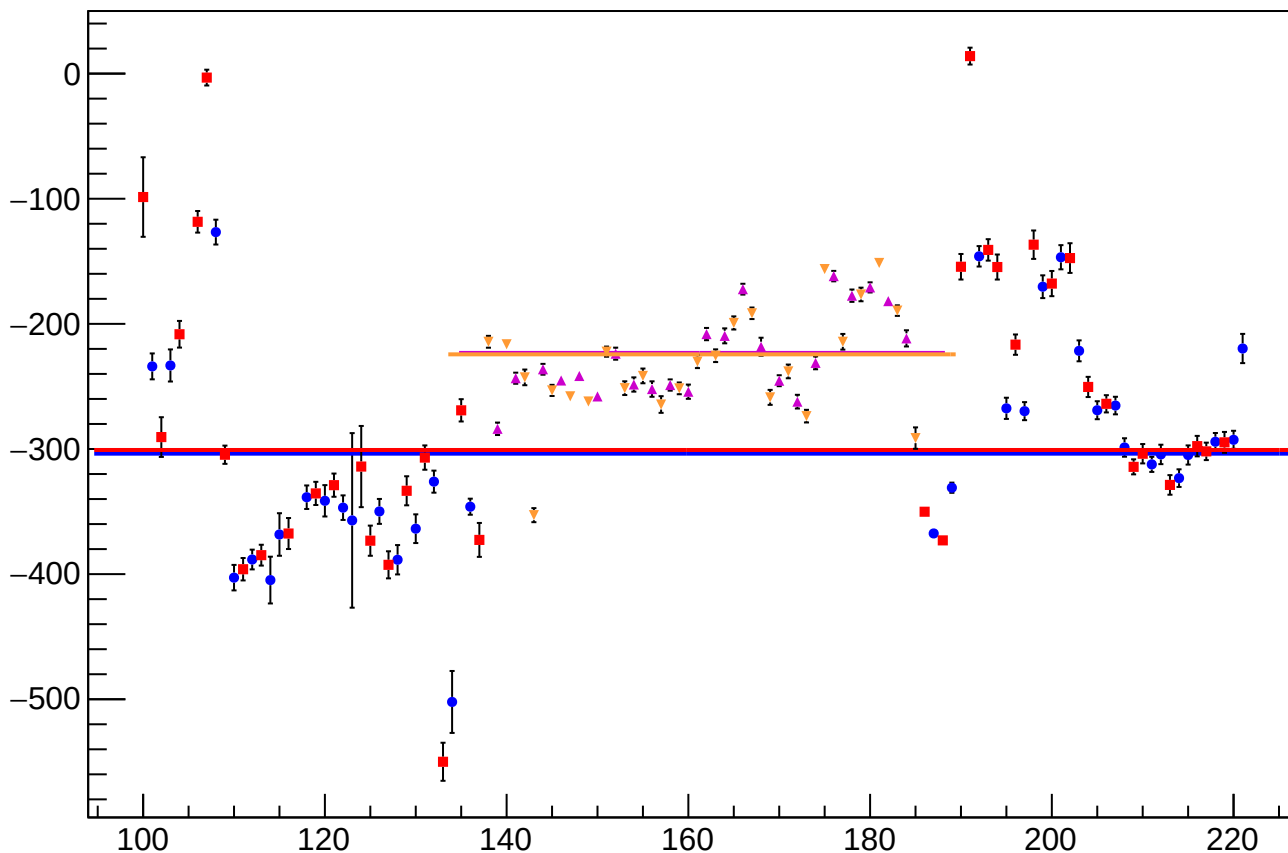
Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

+ sign 5.134 ± 0.615 $\chi^2/\text{NDF}: 1870.7/59$

All: 4.876 ± 0.431 $\chi^2/\text{NDF}: 3654.8/119$

- sign 4.627 ± 0.603 $\chi^2/\text{NDF}: 1783.8/59$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -303.728+/-1.355 χ^2/NDF : 2315.0/34

Left Out: -224.364+/-0.956 χ^2/NDF : 2103.2/24

Right Out: -300.791+/-1.143 χ^2/NDF : 8678.3/36

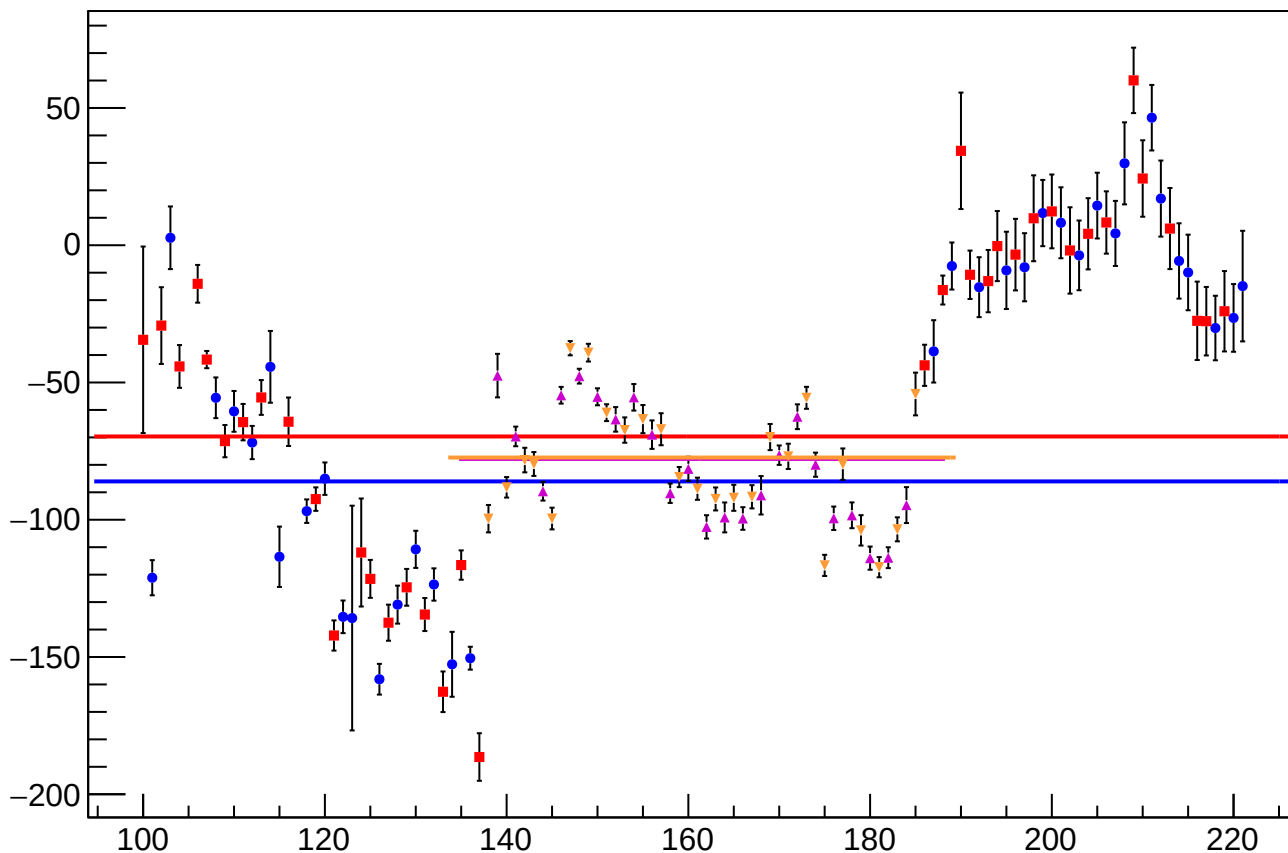
Left In: -223.223+/-0.969 χ^2/NDF : 1269.3/22

+ sign -250.741+/-0.781 χ^2/NDF : 6708.7/59

All: -253.333+/-0.537 χ^2/NDF : 19355.3/119

- sign -255.654+/-0.739 χ^2/NDF : 12625.8/59

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -86.037 ± 1.403 $\chi^2/\text{NDF}: 1614.1/34$

Left Out: -77.343 ± 0.827 $\chi^2/\text{NDF}: 846.2/24$

Right Out: -69.663 ± 1.255 $\chi^2/\text{NDF}: 1785.8/36$

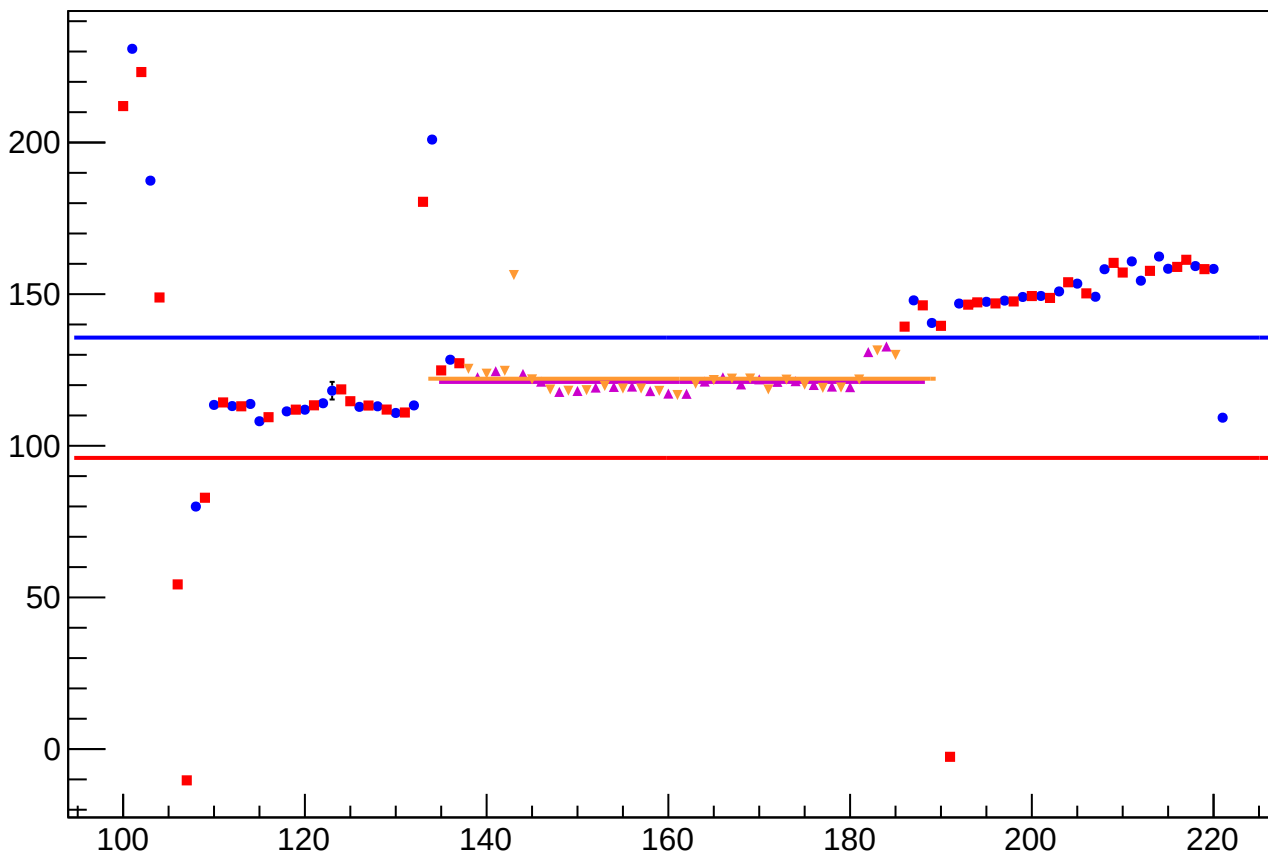
Left In: -77.838 ± 0.849 $\chi^2/\text{NDF}: 622.8/22$

+ sign -79.584 ± 0.712 $\chi^2/\text{NDF}: 2488.9/59$

All: -77.402 ± 0.500 $\chi^2/\text{NDF}: 4945.1/119$

- sign -75.274 ± 0.703 $\chi^2/\text{NDF}: 2437.7/59$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 135.675 $\pm$ 0.071 χ^2 /NDF: 214403.8/34

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

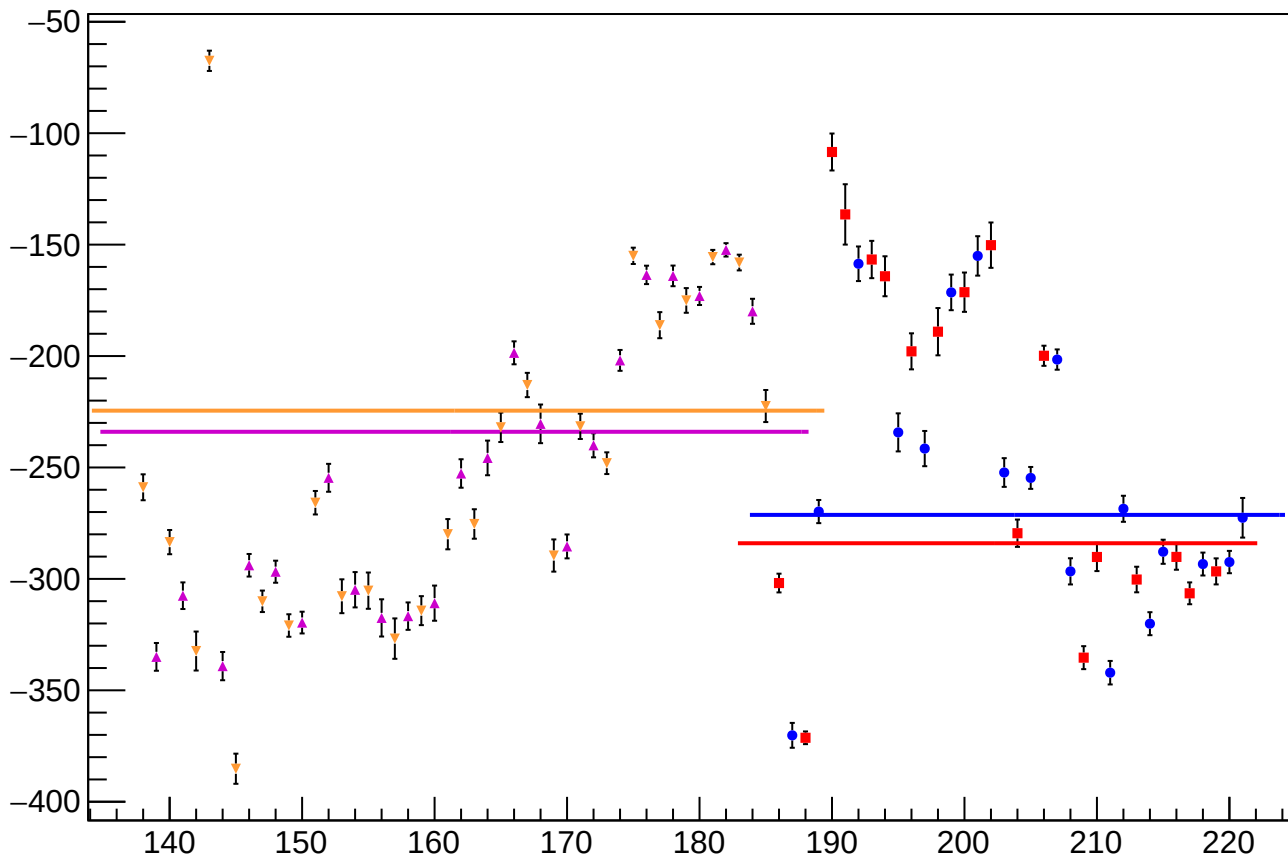
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 125.292 $\pm$ 0.034 χ^2 /NDF: 272577.9/59

All: 119.228 $\pm$ 0.024 χ^2 /NDF: 1639214.0/119

- sign 113.581 $\pm$ 0.033 χ^2 /NDF: 1306943.6/59

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -271.279 ± 1.395 $\chi^2/\text{NDF}: 1475.1/17$

Left Out: -224.501 ± 1.079 $\chi^2/\text{NDF}: 4870.6/24$

Right Out: -284.002 ± 1.358 $\chi^2/\text{NDF}: 2944.1/17$

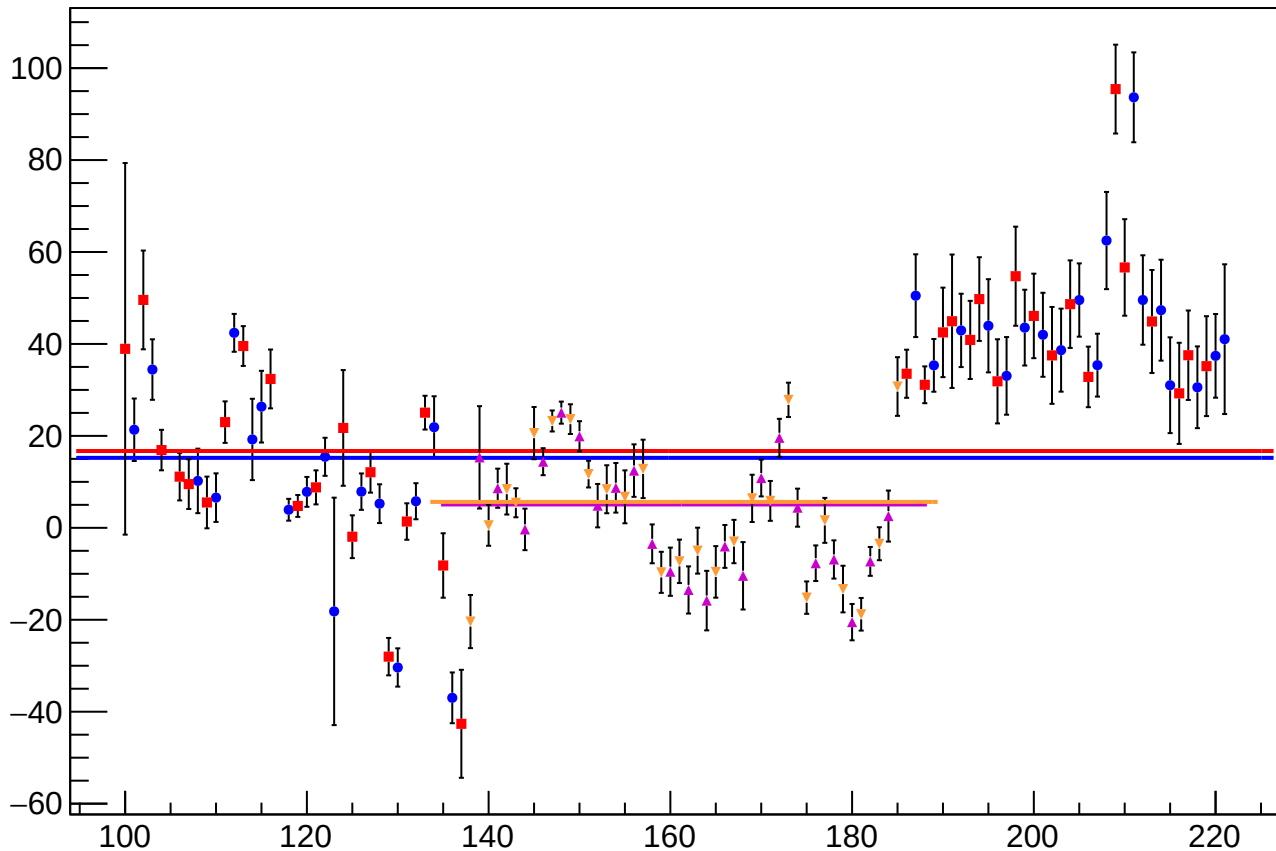
Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -242.010 ± 0.854 $\chi^2/\text{NDF}: 7049.2/42$

All: -247.968 ± 0.605 $\chi^2/\text{NDF}: 14444.0/83$

- sign -253.997 ± 0.859 $\chi^2/\text{NDF}: 7296.8/40$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.224 $\pm$ 0.975 χ^2 /NDF: 538.7/34

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

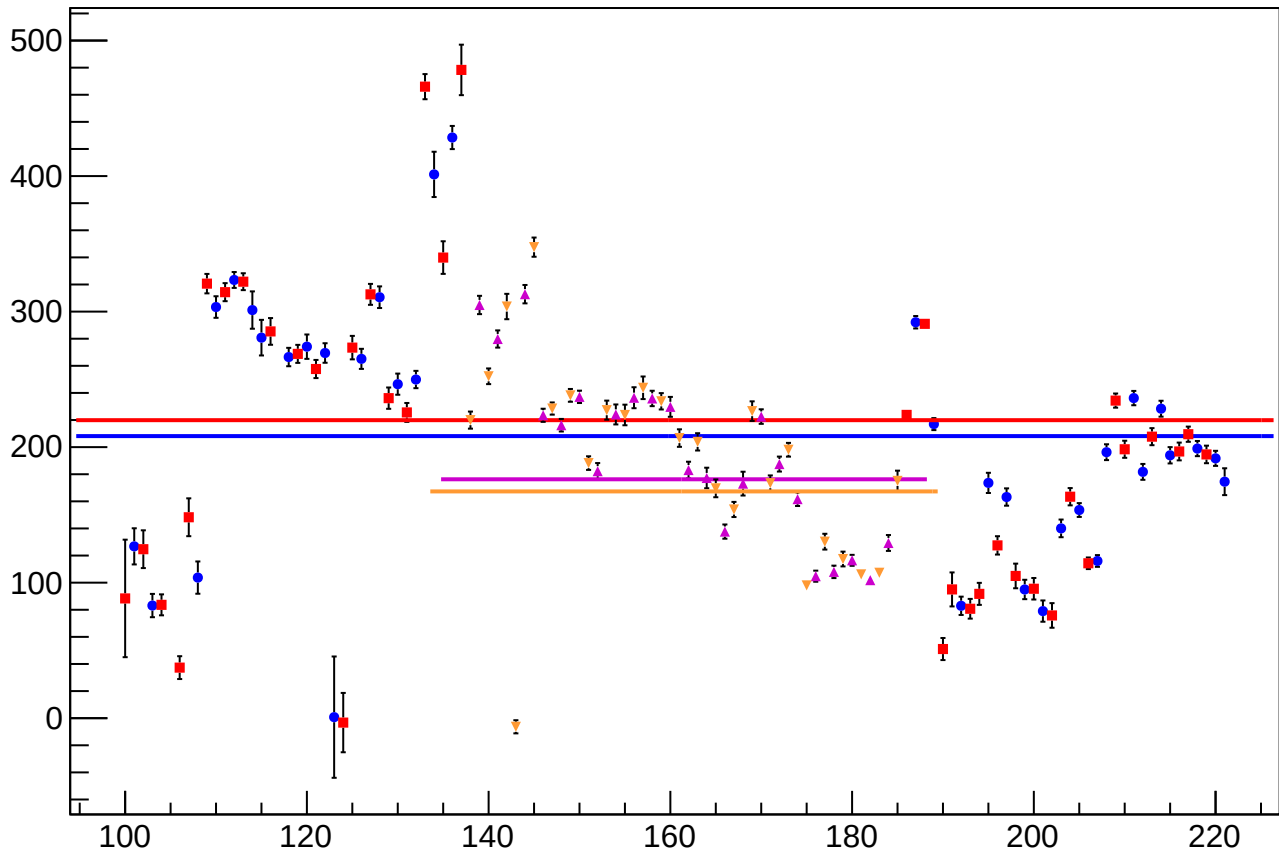
Left In: 5.077 $\pm$ 0.869 χ^2 /NDF: 239.7/22

+ sign 9.656 $\pm$ 0.631 χ^2 /NDF: 908.6/59

All: 10.053 $\pm$ 0.448 χ^2 /NDF: 1708.1/119

- sign 10.457 $\pm$ 0.637 χ^2 /NDF: 798.8/59

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 208.139 $\pm$ 1.141 χ^2 /NDF: 4285.7/34

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

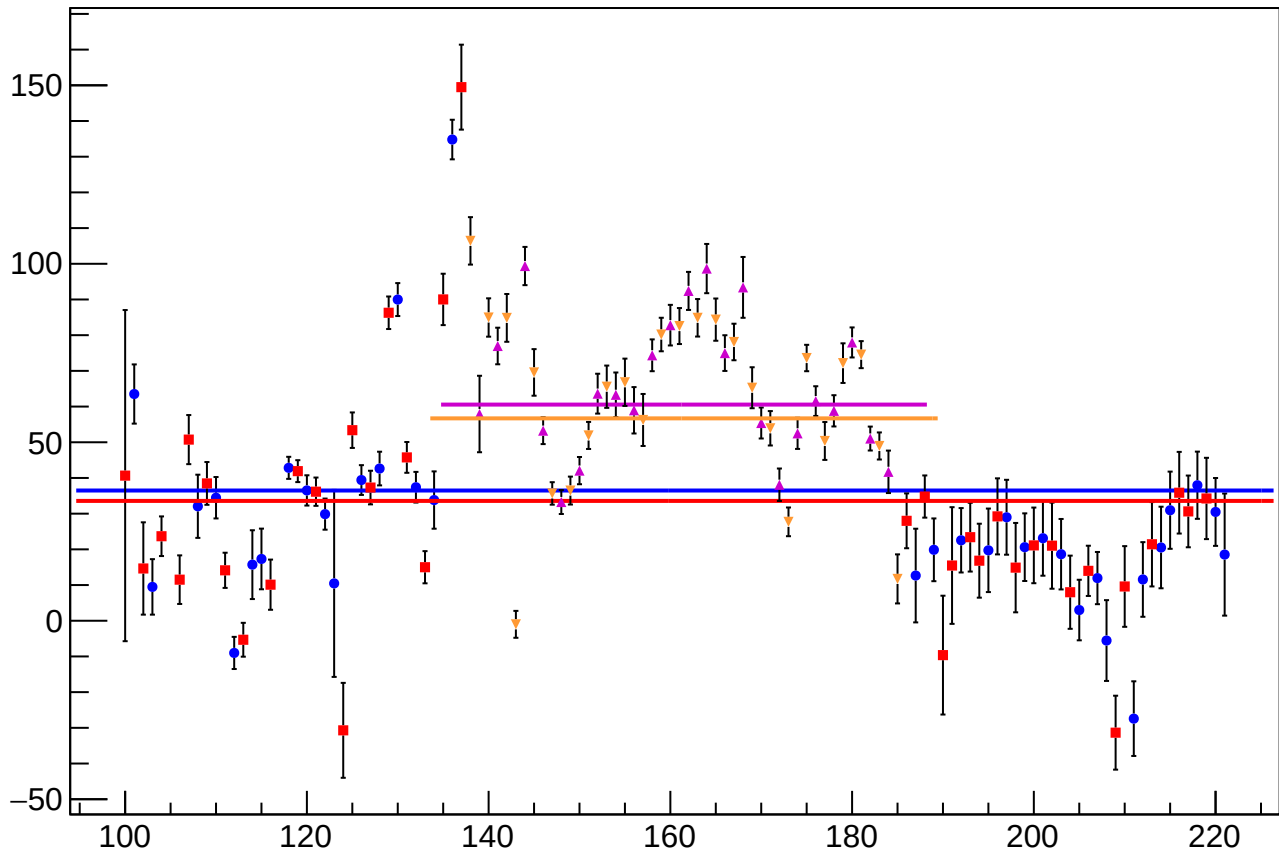
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 186.652 $\pm$ 0.785 χ^2 /NDF: 9413.2/59

All: 193.025 $\pm$ 0.548 χ^2 /NDF: 20153.1/119

- sign 199.058 $\pm$ 0.764 χ^2 /NDF: 10611.7/59

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 36.484 ± 1.124 $\chi^2/\text{NDF}: 700.4/34$

Left Out: 56.695 ± 0.952 $\chi^2/\text{NDF}: 690.4/24$

Right Out: 33.572 ± 1.093 $\chi^2/\text{NDF}: 555.6/36$

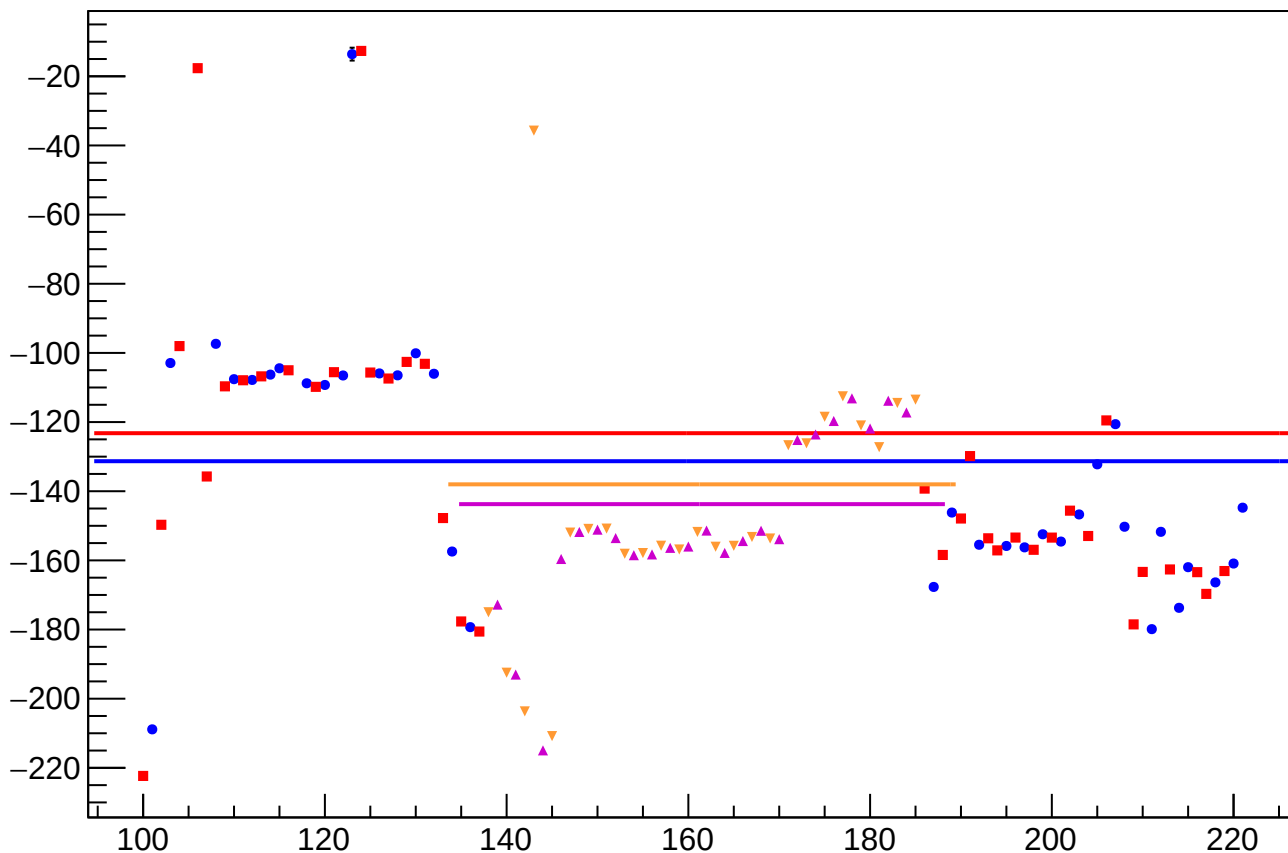
Left In: 60.555 ± 0.990 $\chi^2/\text{NDF}: 335.6/22$

+ sign 48.251 ± 0.726 $\chi^2/\text{NDF}: 1579.2/59$

All: 48.322 ± 0.516 $\chi^2/\text{NDF}: 2805.2/119$

- sign 48.394 ± 0.734 $\chi^2/\text{NDF}: 1226.0/59$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -131.317+/-0.060 χ^2/NDF : 236616.6/34

Left Out: -138.008+/-0.045 χ^2/NDF : 565767.2/24

Right Out: -123.217+/-0.057 χ^2/NDF : 494161.9/36

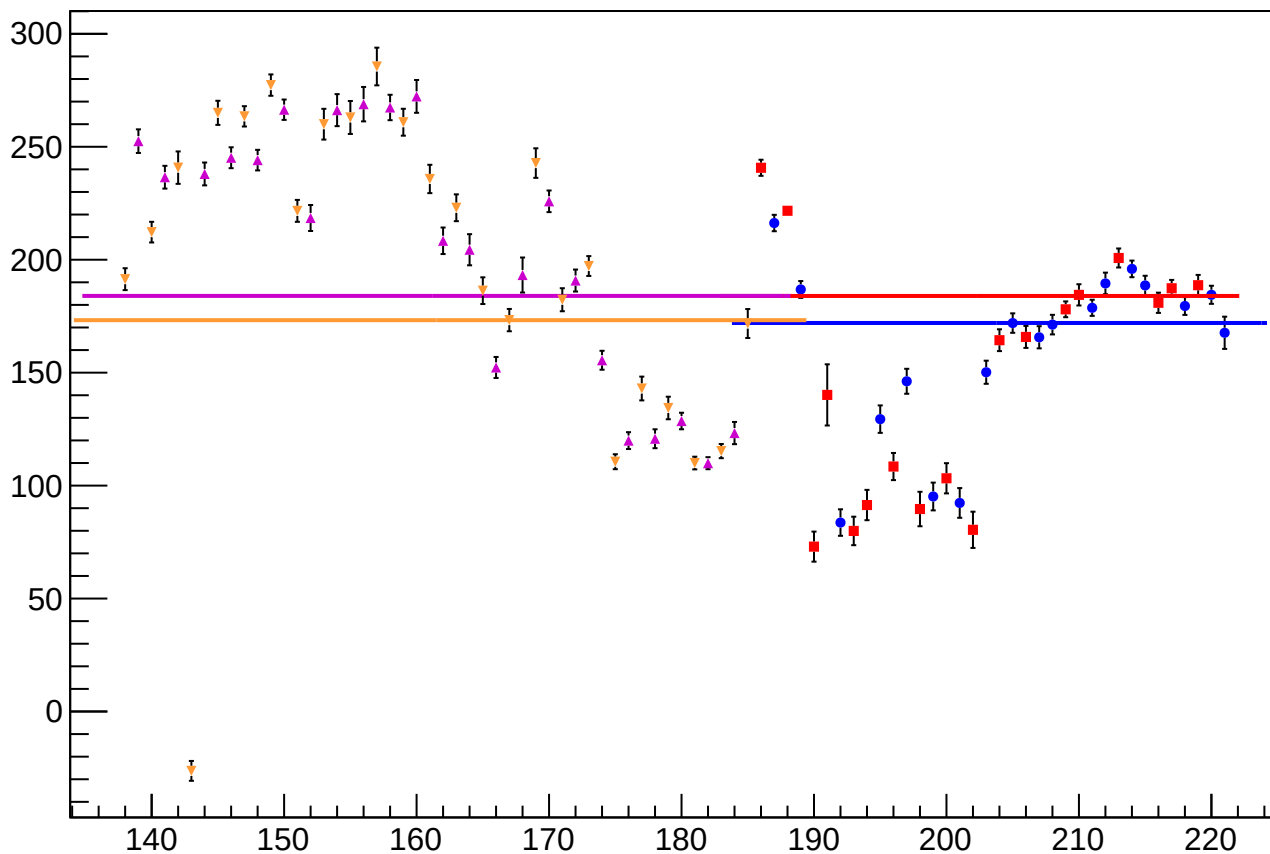
Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

+ sign -135.591+/-0.036 χ^2/NDF : 810325.7/59

All: -135.607+/-0.025 χ^2/NDF : 1641221.3/11

- sign -135.623+/-0.036 χ^2/NDF : 830895.2/59

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 172.002 ± 1.072 χ^2/NDF : 872.7/17

Left Out: 173.229 ± 0.966 χ^2/NDF : 5846.0/24

Right Out: 183.962 ± 1.018 χ^2/NDF : 2088.9/17

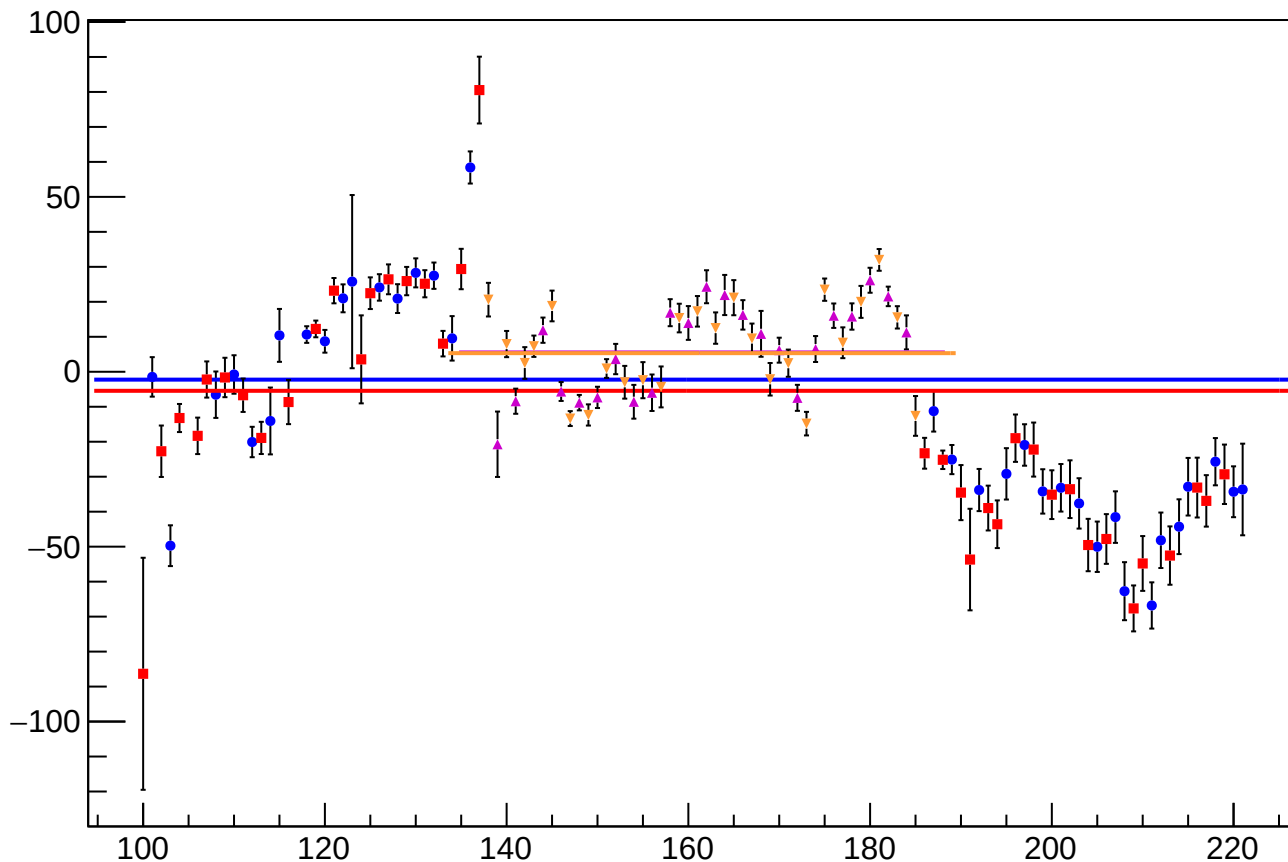
Left In: 183.984 ± 0.991 χ^2/NDF : 3613.7/22

+ sign 172.679 ± 0.717 χ^2/NDF : 6719.4/42

All: 178.383 ± 0.505 χ^2/NDF : 12547.2/83

- sign 183.973 ± 0.710 χ^2/NDF : 5702.6/40

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.248 ± 0.891 $\chi^2/\text{NDF}: 1026.4/34$

Left Out: 5.321 ± 0.747 $\chi^2/\text{NDF}: 345.5/24$

Right Out: -5.443 ± 0.851 $\chi^2/\text{NDF}: 958.4/36$

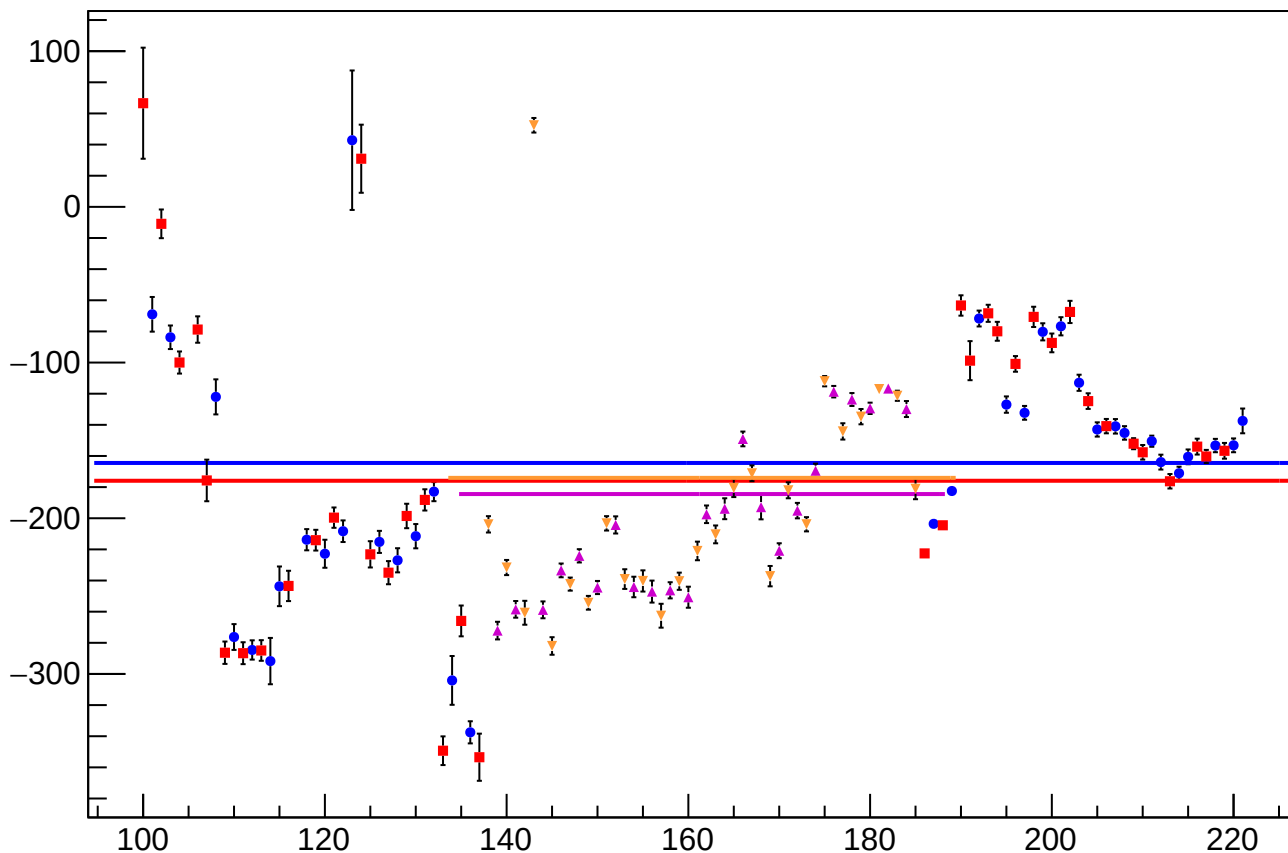
Left In: 5.527 ± 0.781 $\chi^2/\text{NDF}: 256.3/22$

+ sign 2.196 ± 0.573 $\chi^2/\text{NDF}: 1414.3/59$

All: 1.357 ± 0.406 $\chi^2/\text{NDF}: 2723.6/119$

- sign 0.510 ± 0.575 $\chi^2/\text{NDF}: 1305.0/59$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -164.484 ± 0.923 χ^2/NDF : 3170.3/34

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -175.918 ± 0.836 χ^2/NDF : 5034.7/36

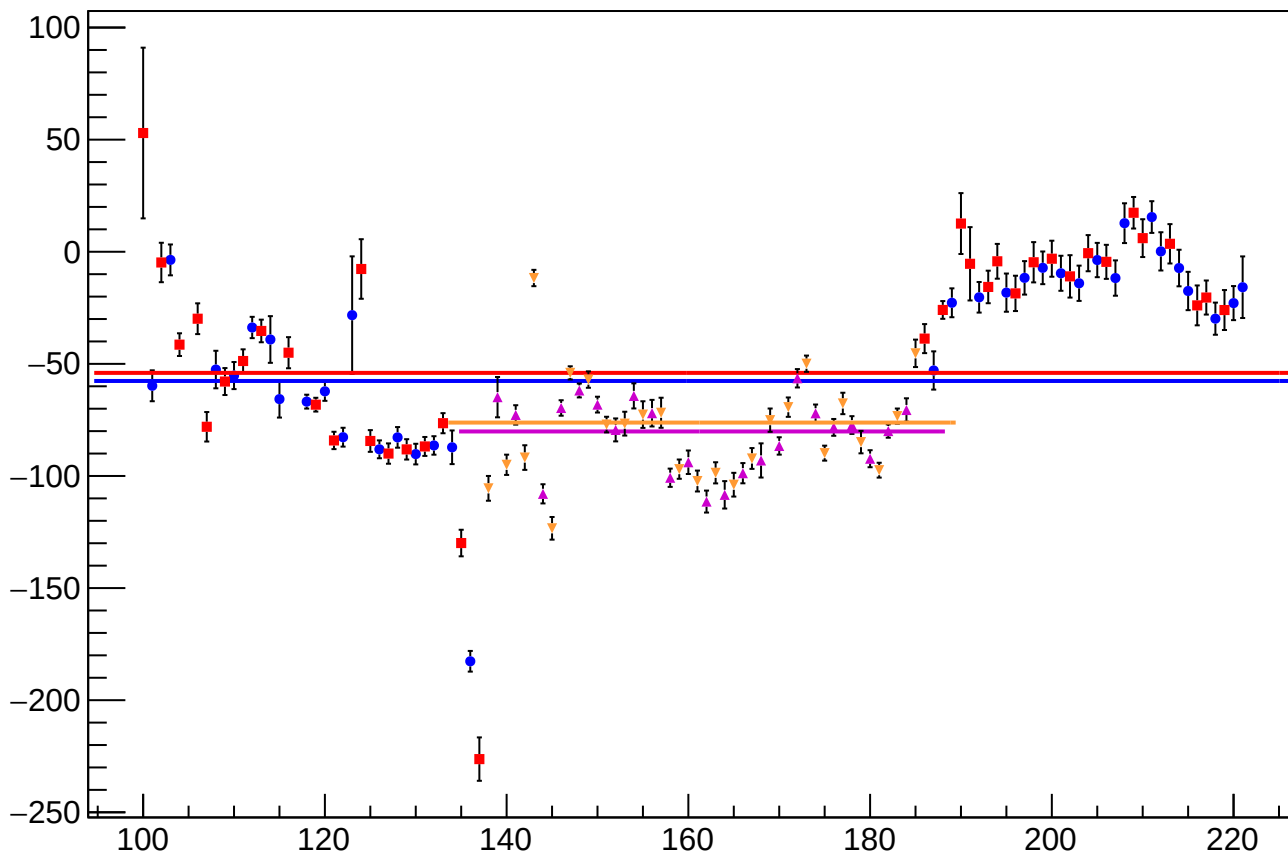
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -169.029 ± 0.669 χ^2/NDF : 8664.6/59

All: -174.488 ± 0.462 χ^2/NDF : 16921.7/119

- sign -179.471 ± 0.639 χ^2/NDF : 8129.6/59

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -57.630 ± 1.029 χ^2/NDF : 1716.0/34

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -54.020 ± 1.003 χ^2/NDF : 1500.6/36

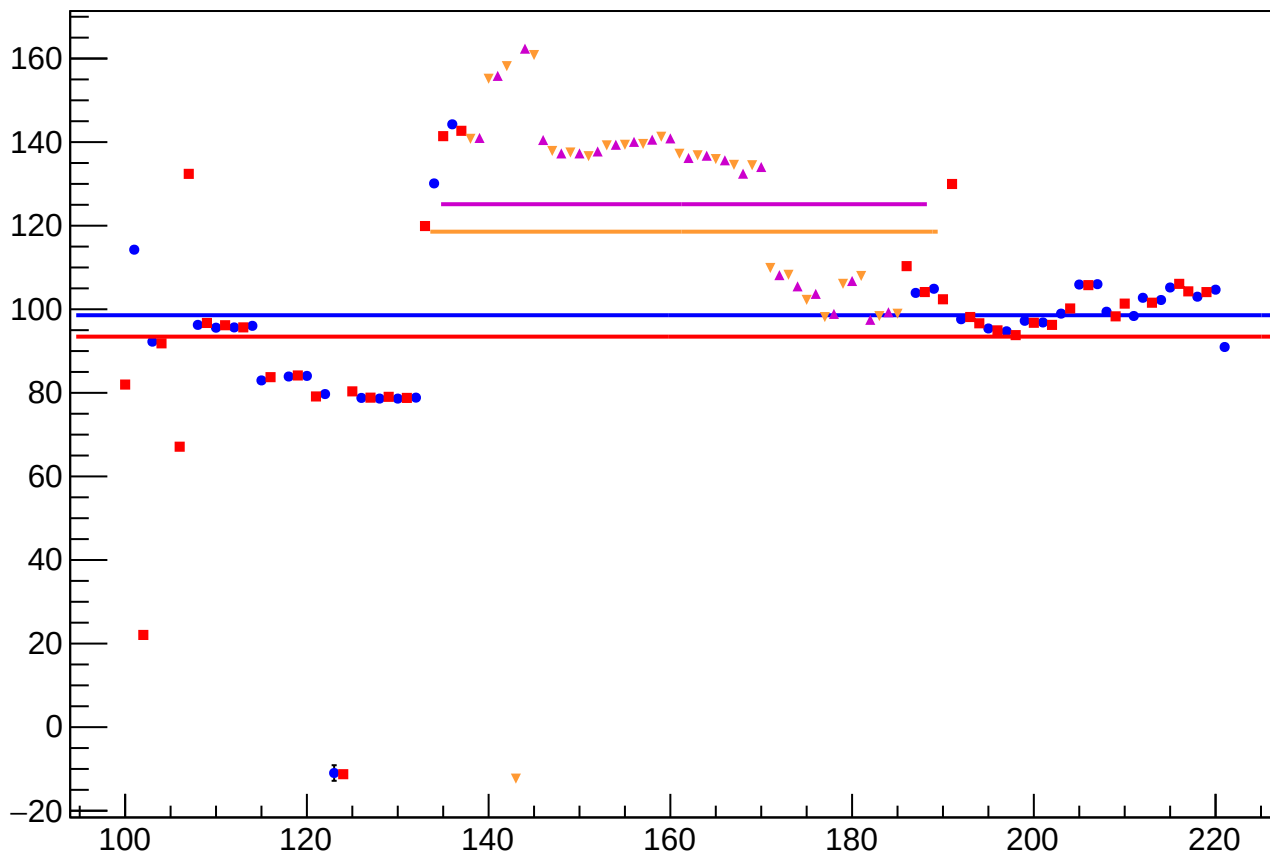
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -68.583 ± 0.659 χ^2/NDF : 2708.8/59

All: -68.615 ± 0.468 χ^2/NDF : 4872.9/119

- sign -68.647 ± 0.665 χ^2/NDF : 2164.1/59

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.573+/-0.052 χ^2/NDF : 96907.0/34

Left Out: 118.569+/-0.040 χ^2/NDF : 728689.7/24

Right Out: 93.452+/-0.049 χ^2/NDF : 245951.5/36

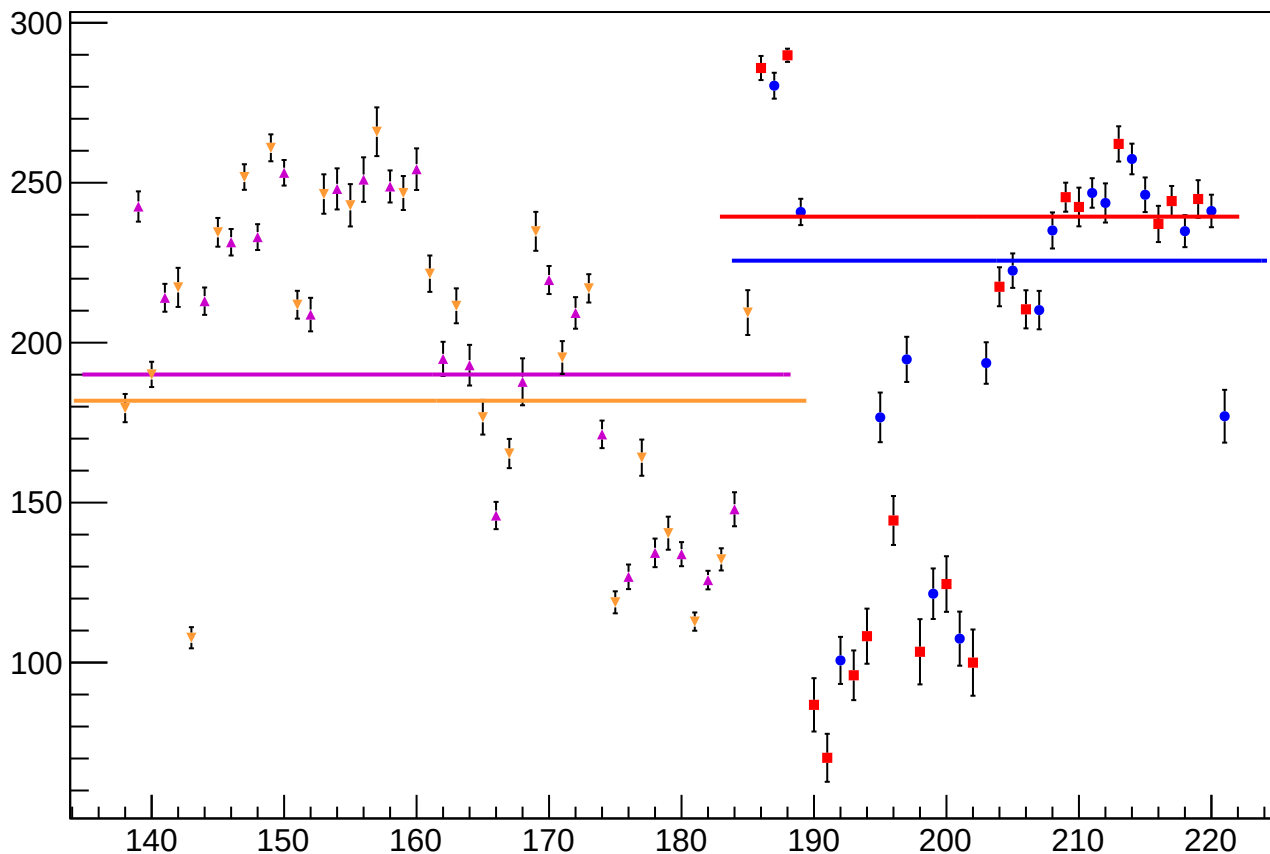
Left In: 125.139+/-0.041 χ^2/NDF : 220927.1/22

+ sign 111.027+/-0.032 χ^2/NDF : 917569.7/59

All: 111.583+/-0.023 χ^2/NDF : 1626933.8/119

- sign 112.129+/-0.032 χ^2/NDF : 708764.4/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 225.636 $\pm$ 1.328 χ^2 /NDF: 1082.7/17

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

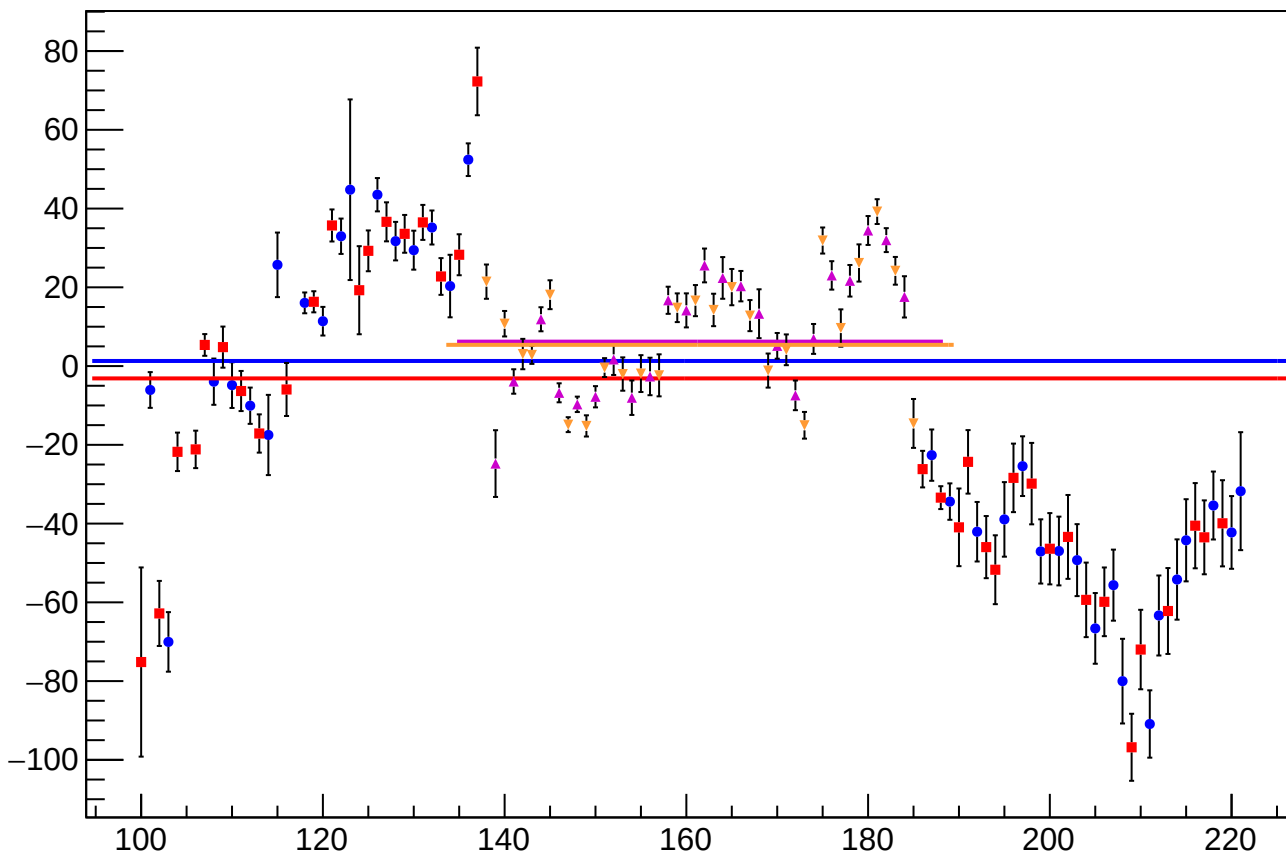
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

+ sign 195.918 $\pm$ 0.752 χ^2 /NDF: 5124.4/42

All: 202.477 $\pm$ 0.531 χ^2 /NDF: 11651.5/83

- 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: 1.296 ± 1.003 χ^2/NDF : 1231.8/34

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: -3.131 ± 0.914 χ^2/NDF : 1228.4/36

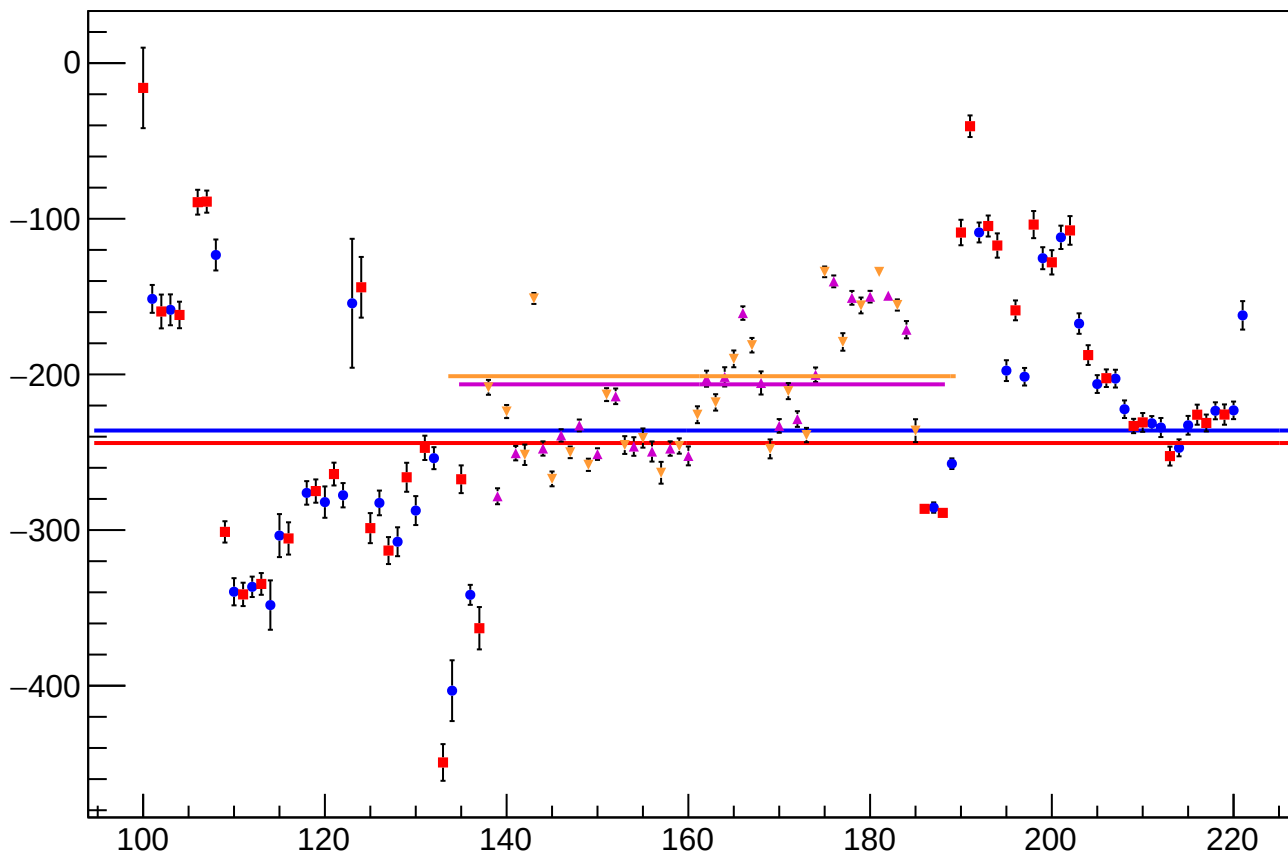
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 4.082 ± 0.567 χ^2/NDF : 1769.7/59

All: 3.325 ± 0.402 χ^2/NDF : 3472.8/119

- 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: -236.042 ± 1.099 χ^2/NDF : 2787.1/34

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -244.081 ± 0.955 χ^2/NDF : 5859.9/36

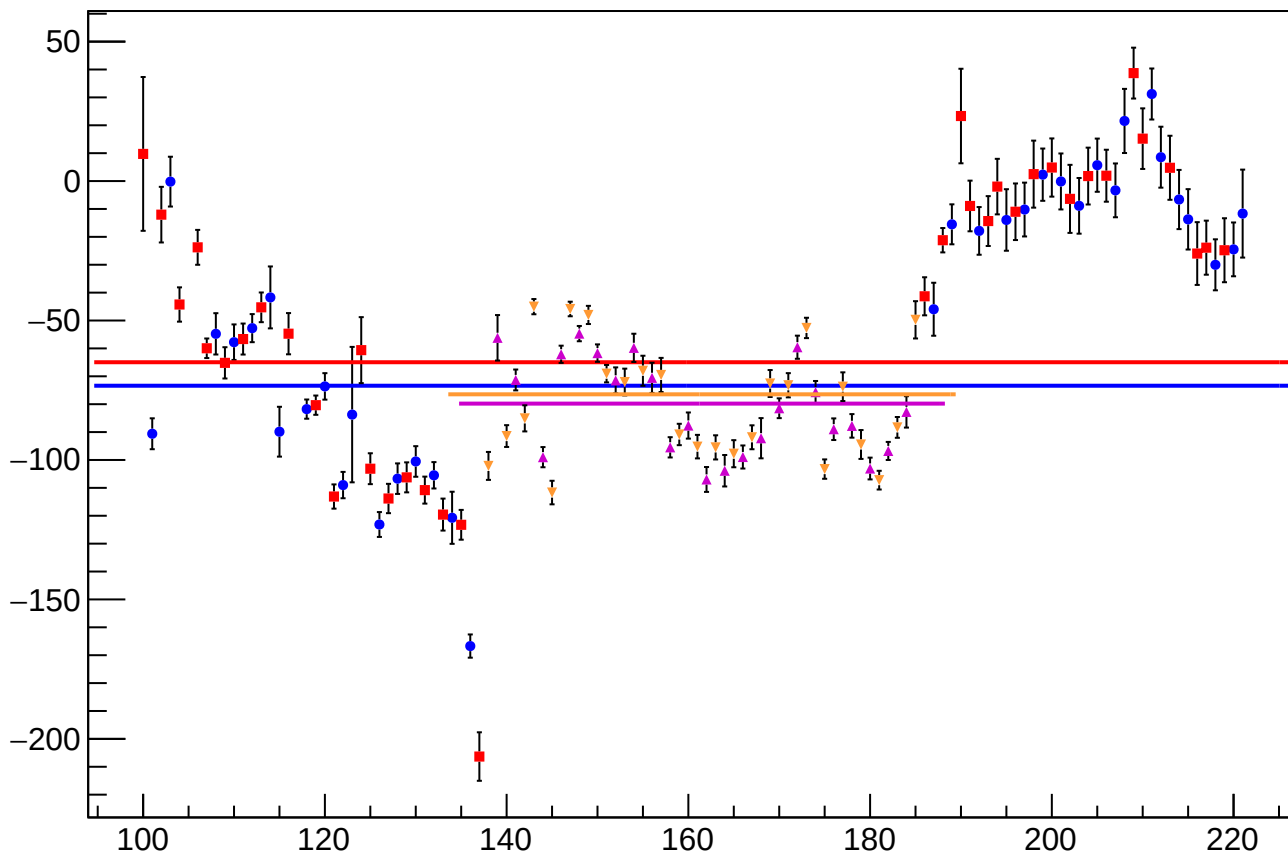
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -215.484 ± 0.704 χ^2/NDF : 5869.9/59

All: -220.524 ± 0.487 χ^2/NDF : 14723.2/119

- 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: -73.378 ± 1.161 $\chi^2/\text{NDF}: 1798.5/34$

Left Out: -76.460 ± 0.797 $\chi^2/\text{NDF}: 781.3/24$

Right Out: -64.957 ± 1.084 $\chi^2/\text{NDF}: 1744.0/36$

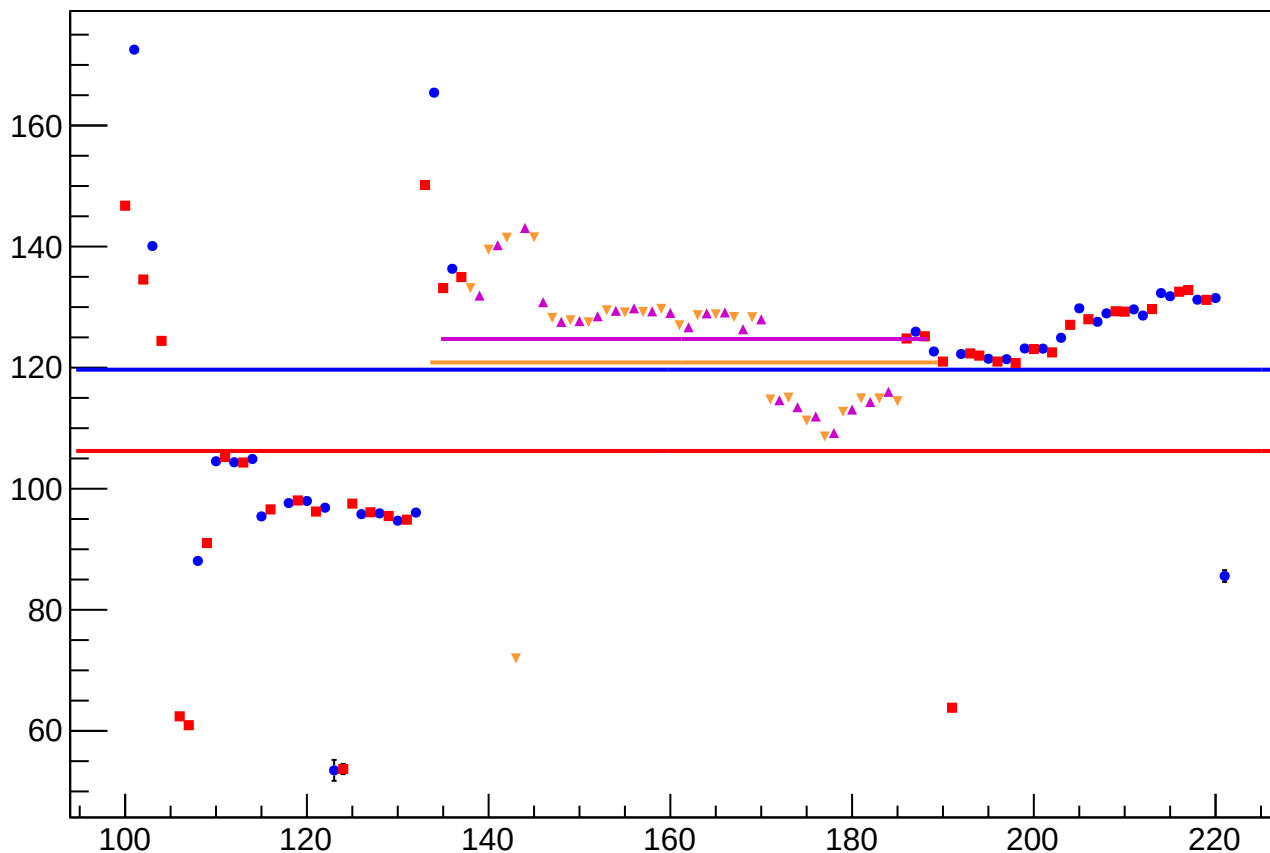
Left In: -79.792 ± 0.840 $\chi^2/\text{NDF}: 412.3/22$

+ sign -75.473 ± 0.657 $\chi^2/\text{NDF}: 2584.6/59$

All: -74.857 ± 0.467 $\chi^2/\text{NDF}: 4859.7/119$

- sign -74.228 ± 0.664 $\chi^2/\text{NDF}: 2273.3/59$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 119.665 $\pm$ 0.060 χ^2 /NDF: 114037.5/34

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

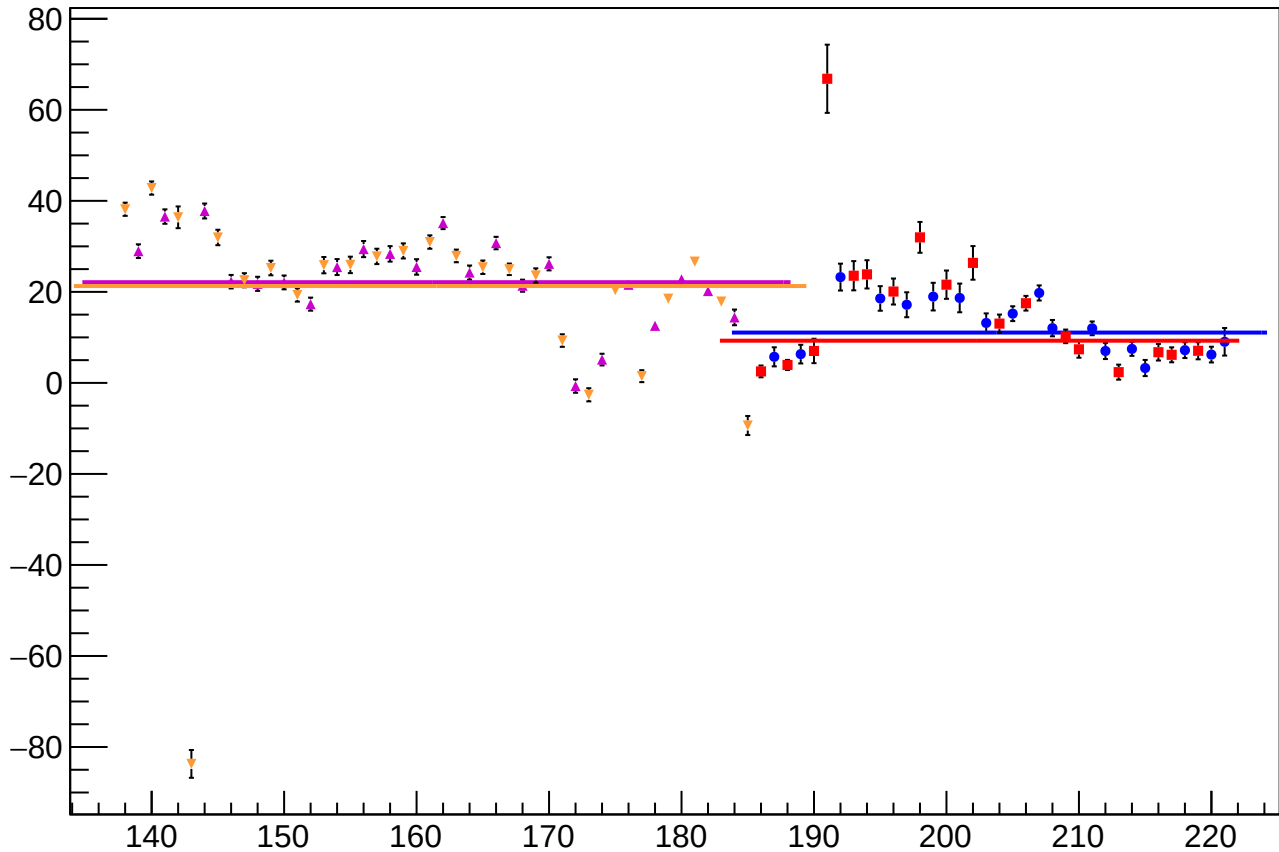
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 120.513 $\pm$ 0.032 χ^2 /NDF: 297078.0/59

All: 119.369 $\pm$ 0.023 χ^2 /NDF: 683999.6/119

- 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: 11.060 $\pm$ 0.466 χ^2 /NDF: 132.9/17

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

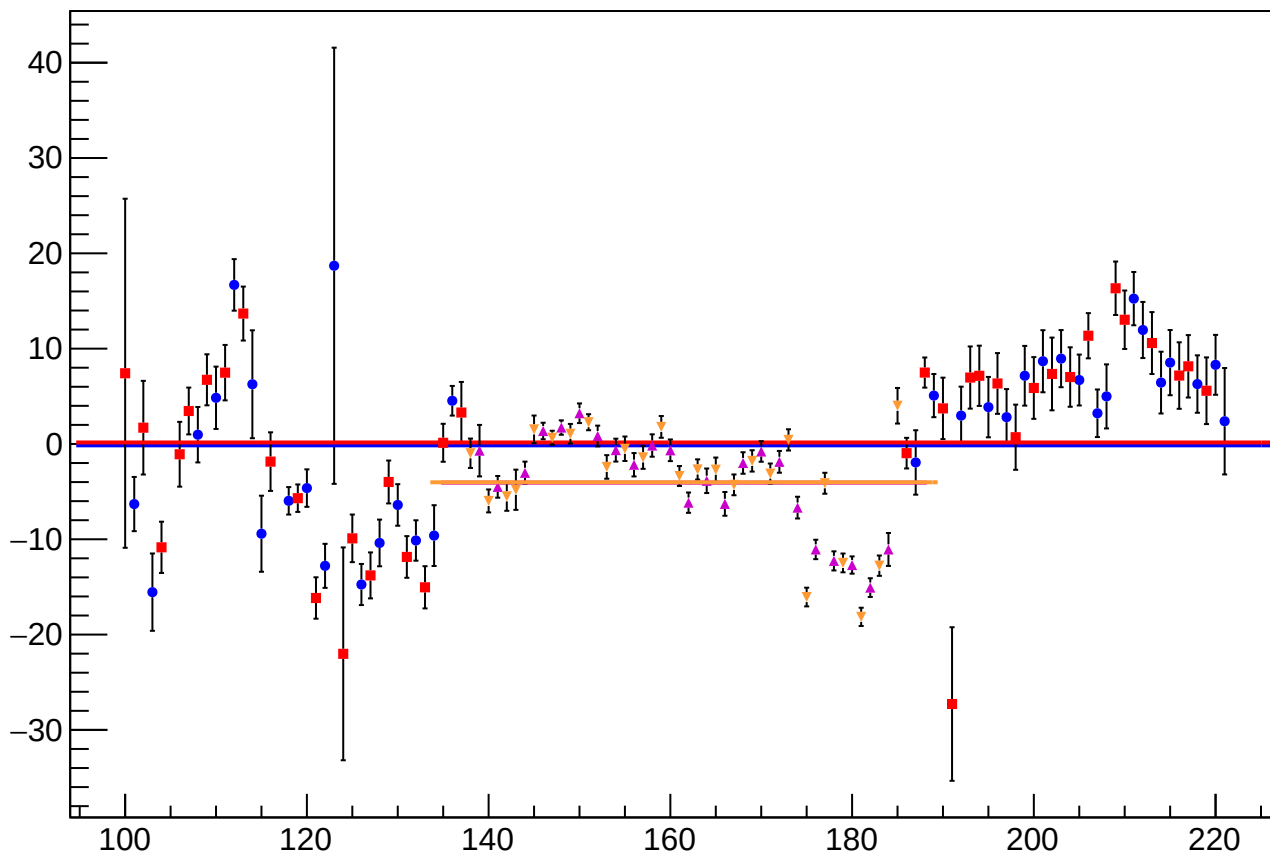
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF: 900.2/22

+ sign 18.532 $\pm$ 0.241 χ^2 /NDF: 3085.7/42

All: 18.511 $\pm$ 0.171 χ^2 /NDF: 4862.6/83

- sign 18.490 $\pm$ 0.242 χ^2 /NDF: 1776.9/40

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -0.145 ± 0.454 χ^2/NDF : 342.5/34

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: 0.157 ± 0.437 χ^2/NDF : 418.1/36

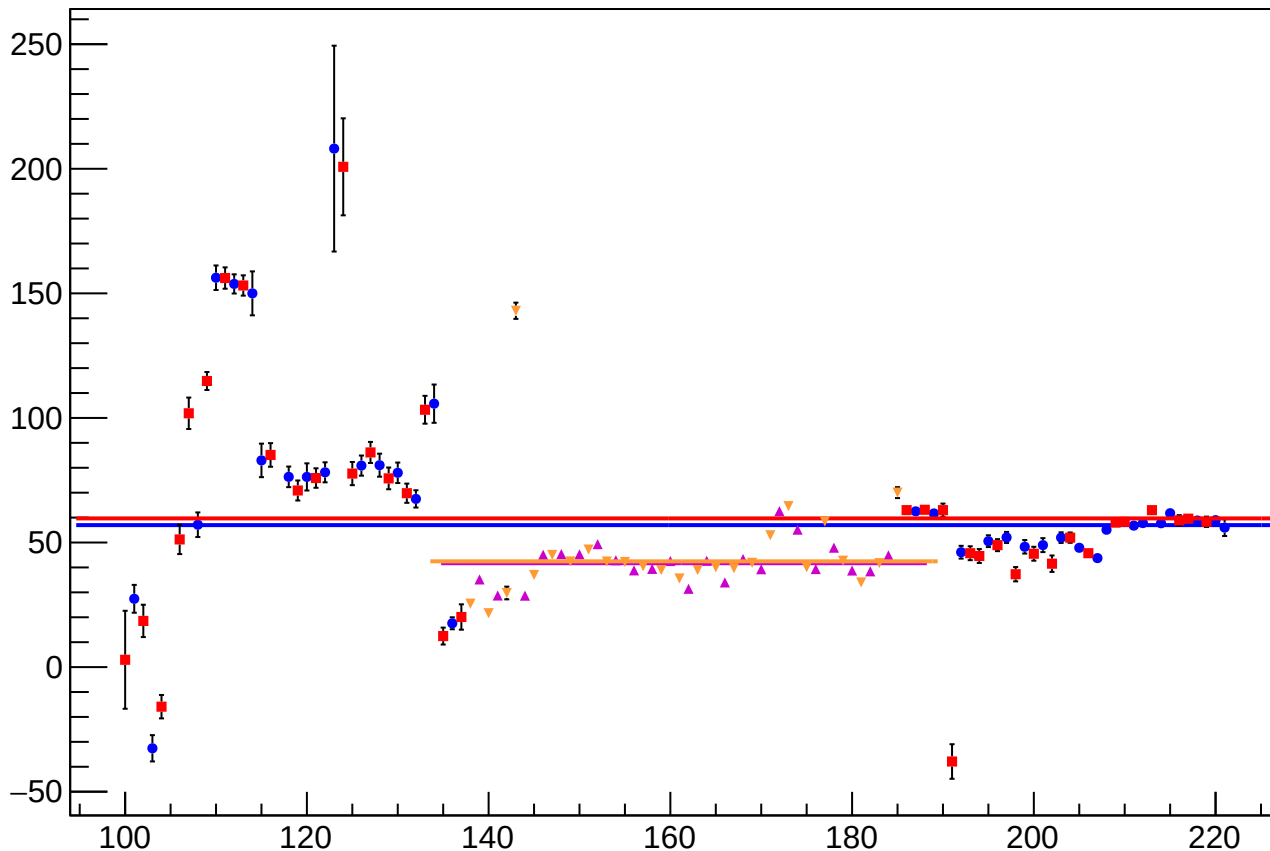
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.267 ± 0.200 χ^2/NDF : 1135.3/59

All: -3.213 ± 0.142 χ^2/NDF : 2203.9/119

- 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: 56.985 $\pm$ 0.424 χ^2 /NDF: 2144.6/34

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

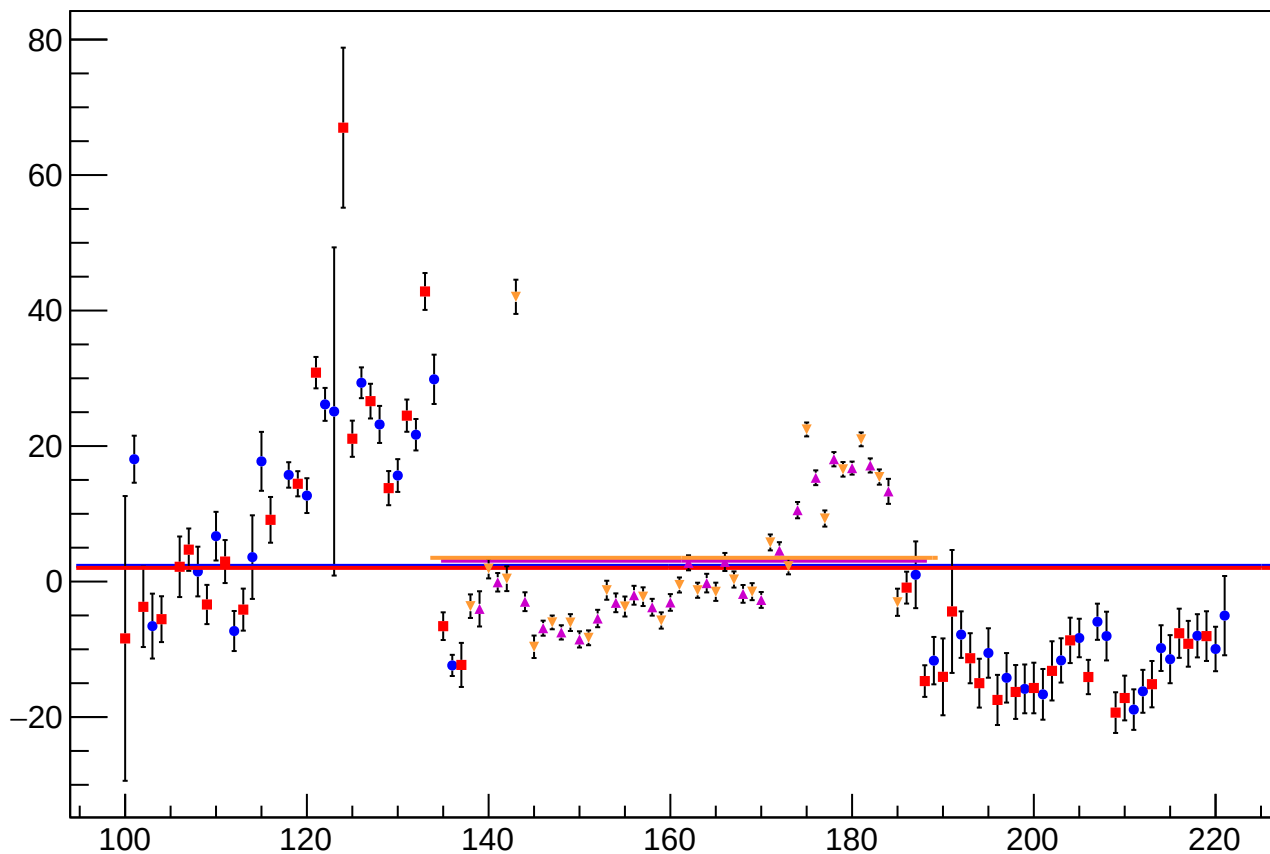
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 46.905 $\pm$ 0.235 χ^2 /NDF: 4974.9/59

All: 47.372 $\pm$ 0.165 χ^2 /NDF: 9610.8/119

- 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: 2.317 ± 0.514 χ^2/NDF : 955.9/34

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 2.020 ± 0.510 χ^2/NDF : 1130.5/36

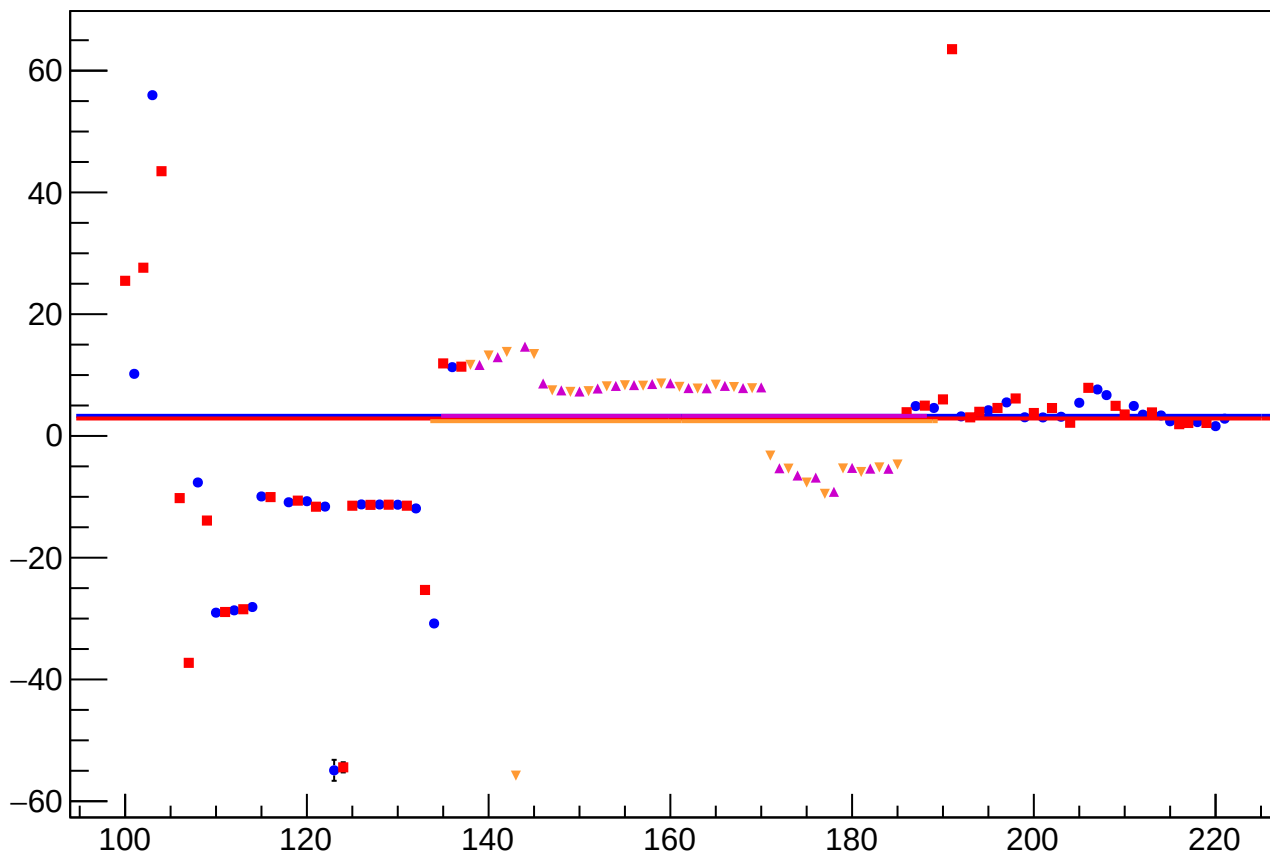
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 3.274 ± 0.227 χ^2/NDF : 2651.5/59

All: 3.073 ± 0.161 χ^2/NDF : 5052.8/119

- sign 2.866 ± 0.229 χ^2/NDF : 2399.6/59

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 3.303 ± 0.024 χ^2/NDF : 362531.7/34

Left Out: 2.425 ± 0.012 χ^2/NDF : 616382.5/24

Right Out: 2.865 ± 0.024 χ^2/NDF : 434578.6/36

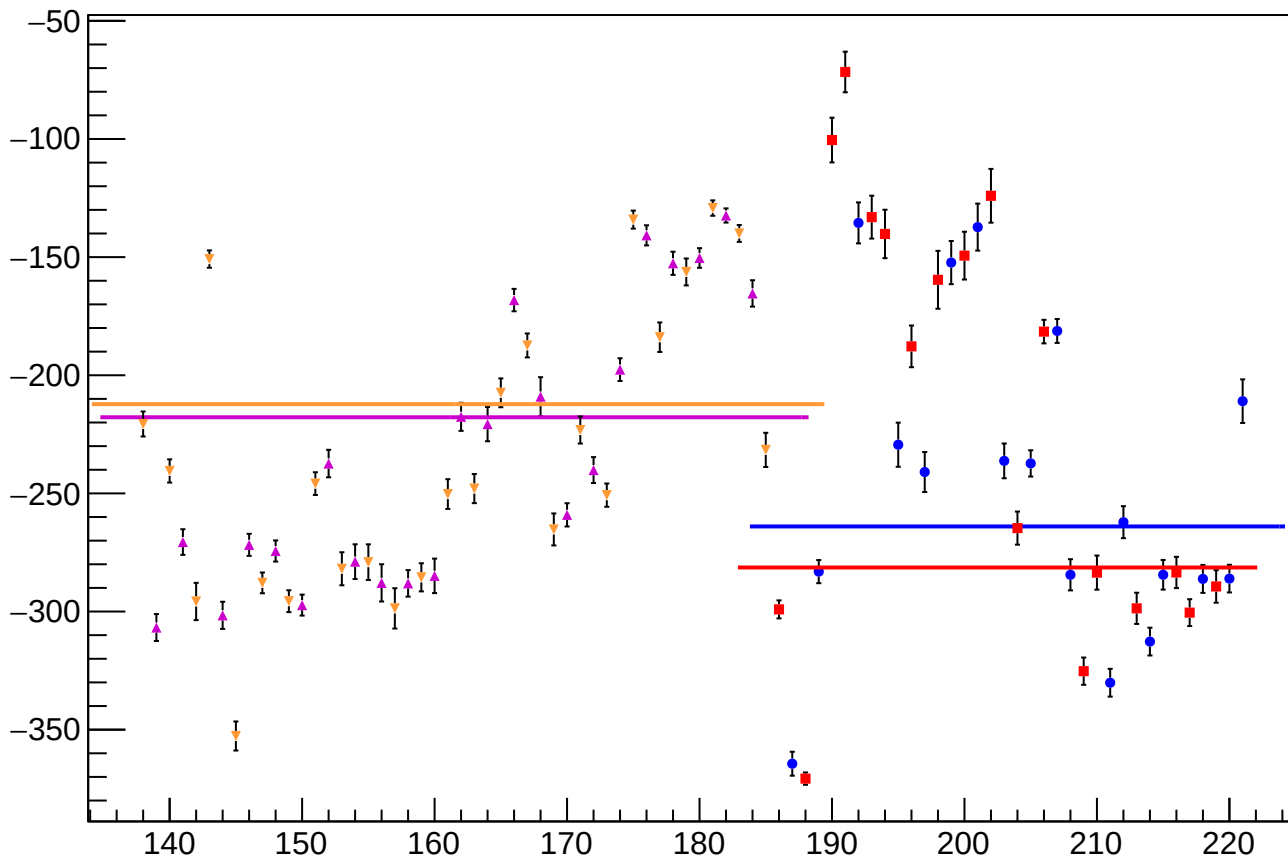
Left In: 3.293 ± 0.012 χ^2/NDF : 404323.8/22

+ sign 2.587 ± 0.010 χ^2/NDF : 979974.0/59

All: 2.898 ± 0.007 χ^2/NDF : 1820912.4/119

- 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: -263.991 $\pm$ 1.527 χ^2 /NDF: 1541.0/17

Left Out: -212.231 $\pm$ 1.029 χ^2 /NDF:3875.4/24

Right Out: -281.366 $\pm$ 1.405 χ^2 /NDF: 3666.4/17

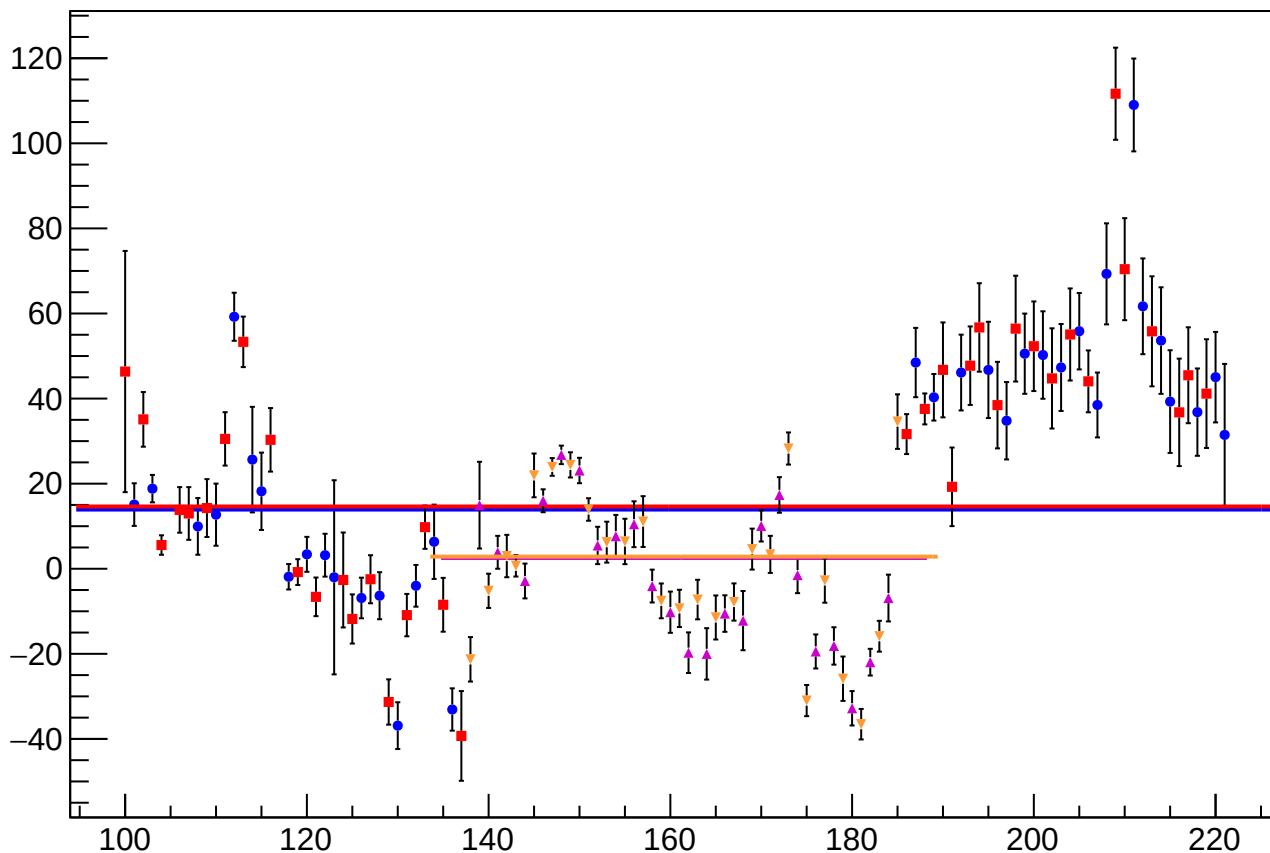
Left In: -217.779 $\pm$ 1.067 χ^2 /NDF:3448.9/22

+ sign -228.399 $\pm$ 0.854 χ^2 /NDF: 6206.1/42

All: -234.744 $\pm$ 0.602 χ^2 /NDF: 14730.6/83

- sign -241.030 $\pm$ 0.850 χ^2 /NDF: 8414.5/40

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 13.914 $\pm$ 1.089 χ^2 /NDF: 612.0/34

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

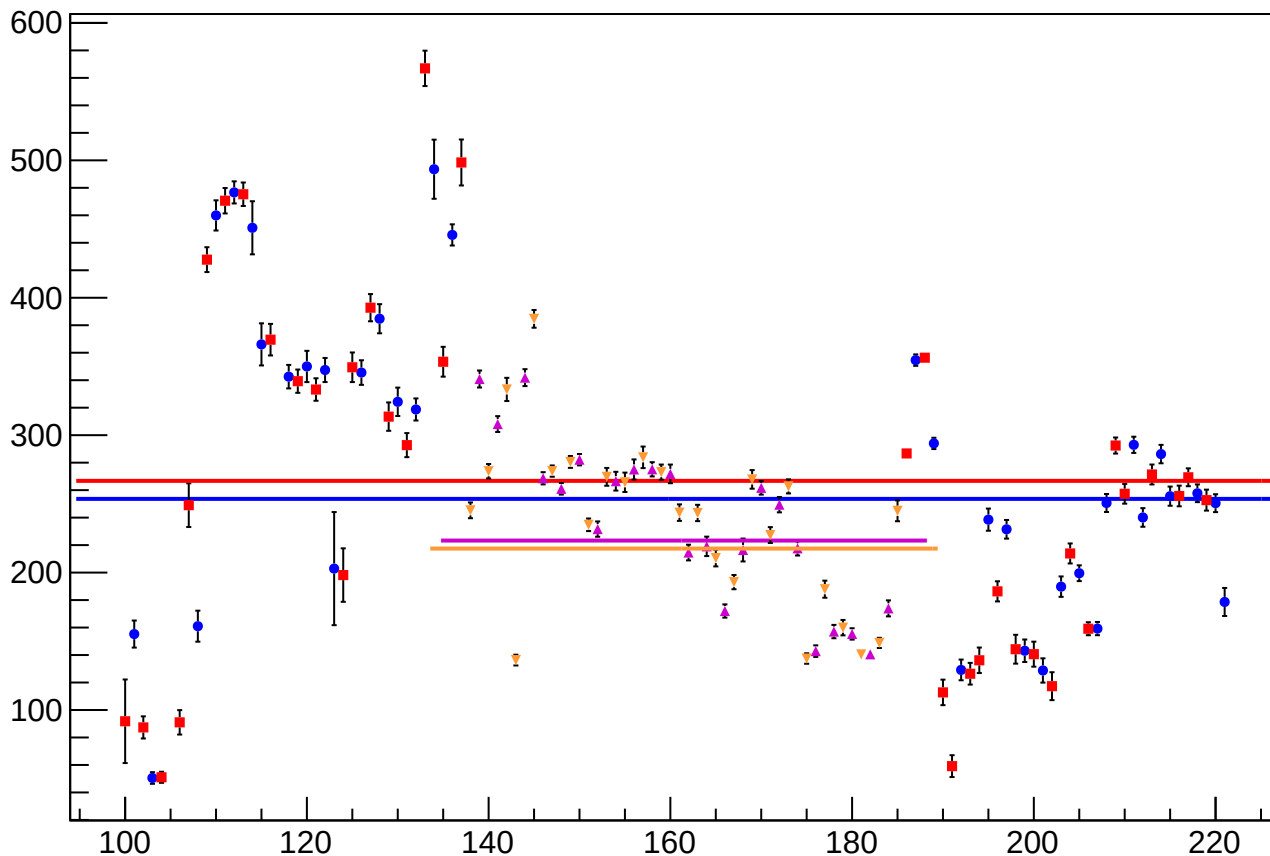
Left In: 2.540 $\pm$ 0.822 χ^2 /NDF: 473.6/22

+ sign 6.567 $\pm$ 0.631 χ^2 /NDF: 1262.7/59

All: 7.003 $\pm$ 0.447 χ^2 /NDF: 2410.8/119

- 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: 253.638 $\pm$ 1.222 χ^2 /NDF: 7196.2/34

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

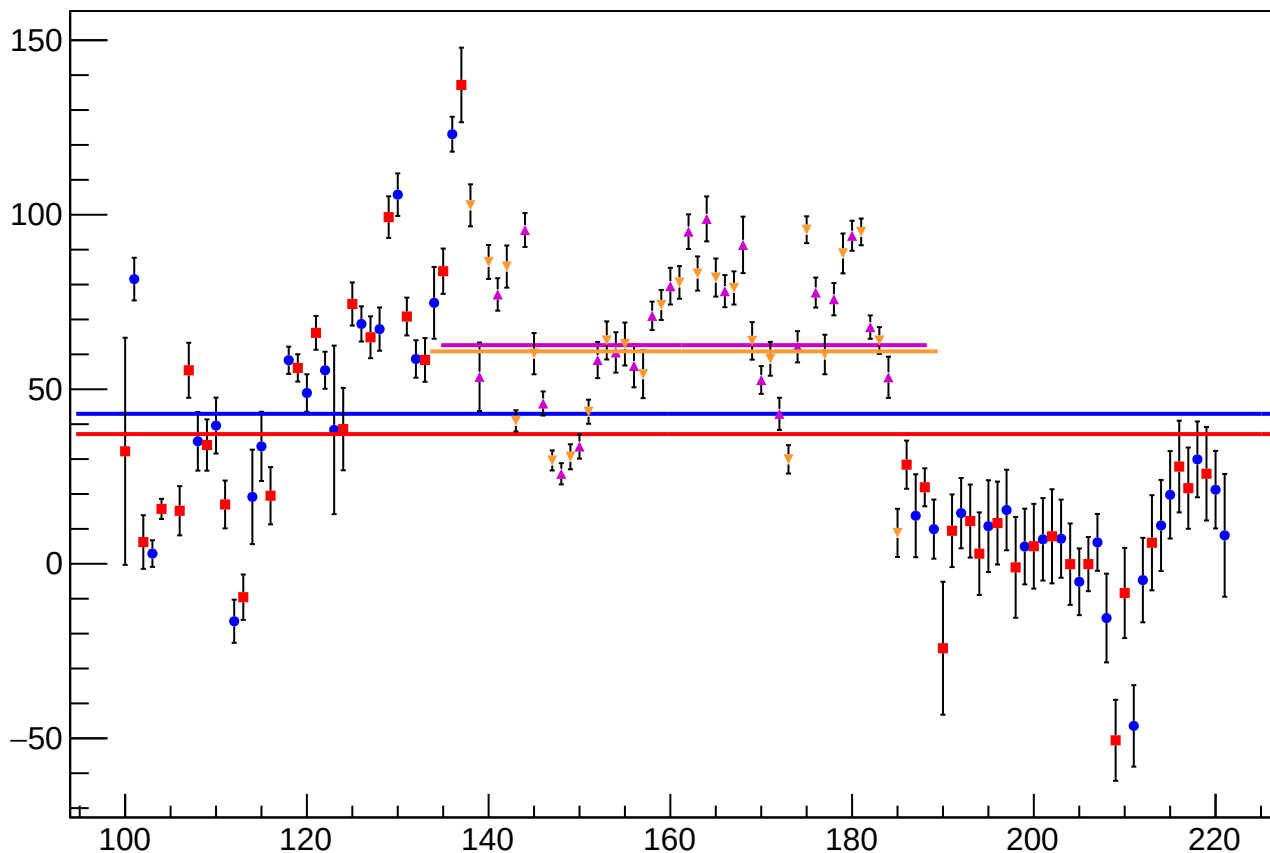
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 232.545 $\pm$ 0.789 χ^2 /NDF: 11476.7/59

All: 238.869 $\pm$ 0.546 χ^2 /NDF: 26860.0/119

- 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: 42.967 $\pm$ 1.262 χ^2 /NDF: 925.6/34

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

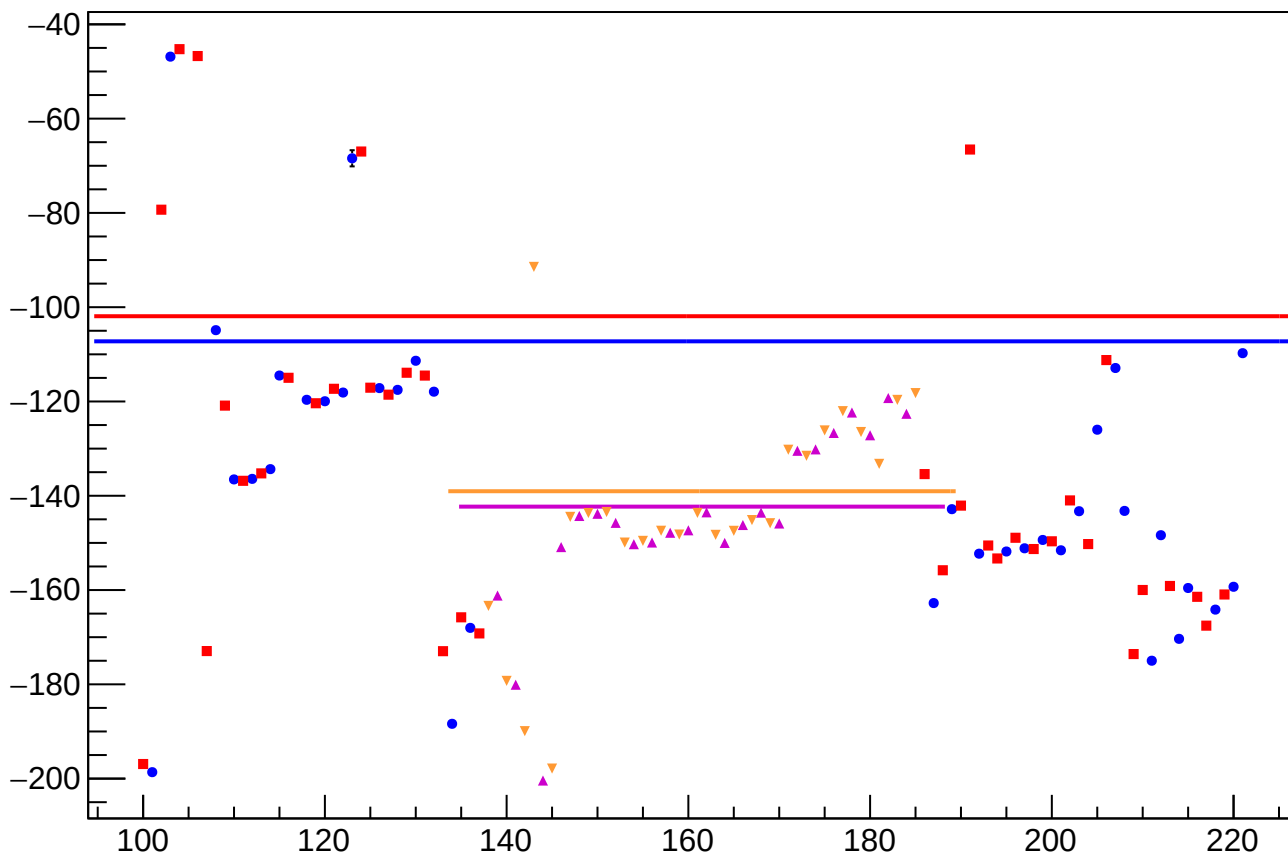
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 54.859 $\pm$ 0.731 χ^2 /NDF: 1790.9/59

All: 53.830 $\pm$ 0.519 χ^2 /NDF: 3334.8/119

- 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: -107.242 ± 0.057 χ^2/NDF : 751634.6/34

Left Out: -139.040 ± 0.043 χ^2/NDF : 258113.4/24

Right Out: -101.915 ± 0.054 χ^2/NDF : 785773.0/36

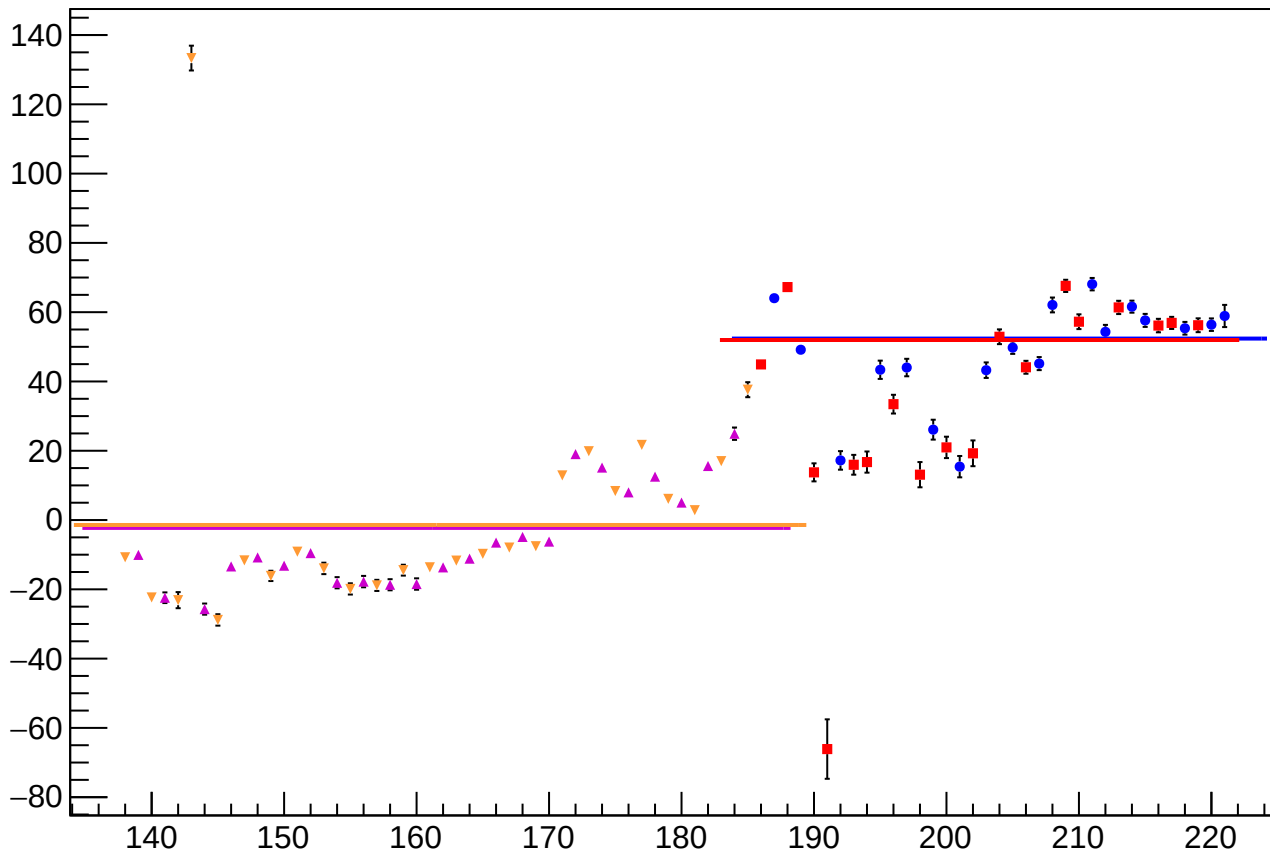
Left In: -142.305 ± 0.044 χ^2/NDF : 143351.8/22

+ sign -127.493 ± 0.034 χ^2/NDF : 1209533.2/59

All: -126.827 ± 0.024 χ^2/NDF : 2475010.5/11

- 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: 52.380 ± 0.470 χ^2/NDF : 677.1/17

Left Out: -1.427 ± 0.268 χ^2/NDF : 4339.0/24

Right Out: 51.969 ± 0.410 χ^2/NDF : 1635.0/17

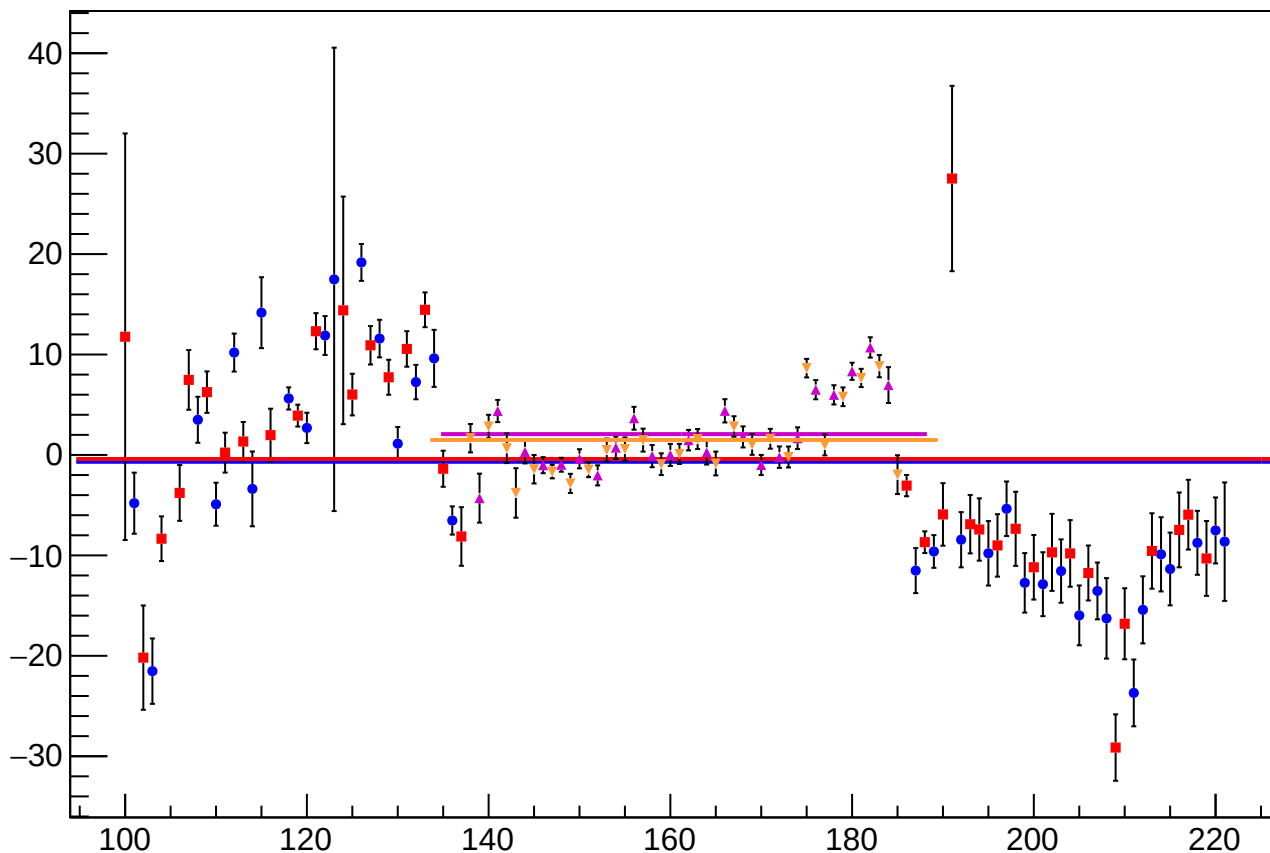
Left In: -2.270 ± 0.271 χ^2/NDF : 2521.6/22

+ sign 11.754 ± 0.233 χ^2/NDF : 14917.9/42

All: 13.009 ± 0.162 χ^2/NDF : 31314.2/83

- sign 14.194 ± 0.226 χ^2/NDF : 16339.6/40

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -0.678 ± 0.390 χ^2/NDF : 667.2/34

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: -0.404 ± 0.363 χ^2/NDF : 557.8/36

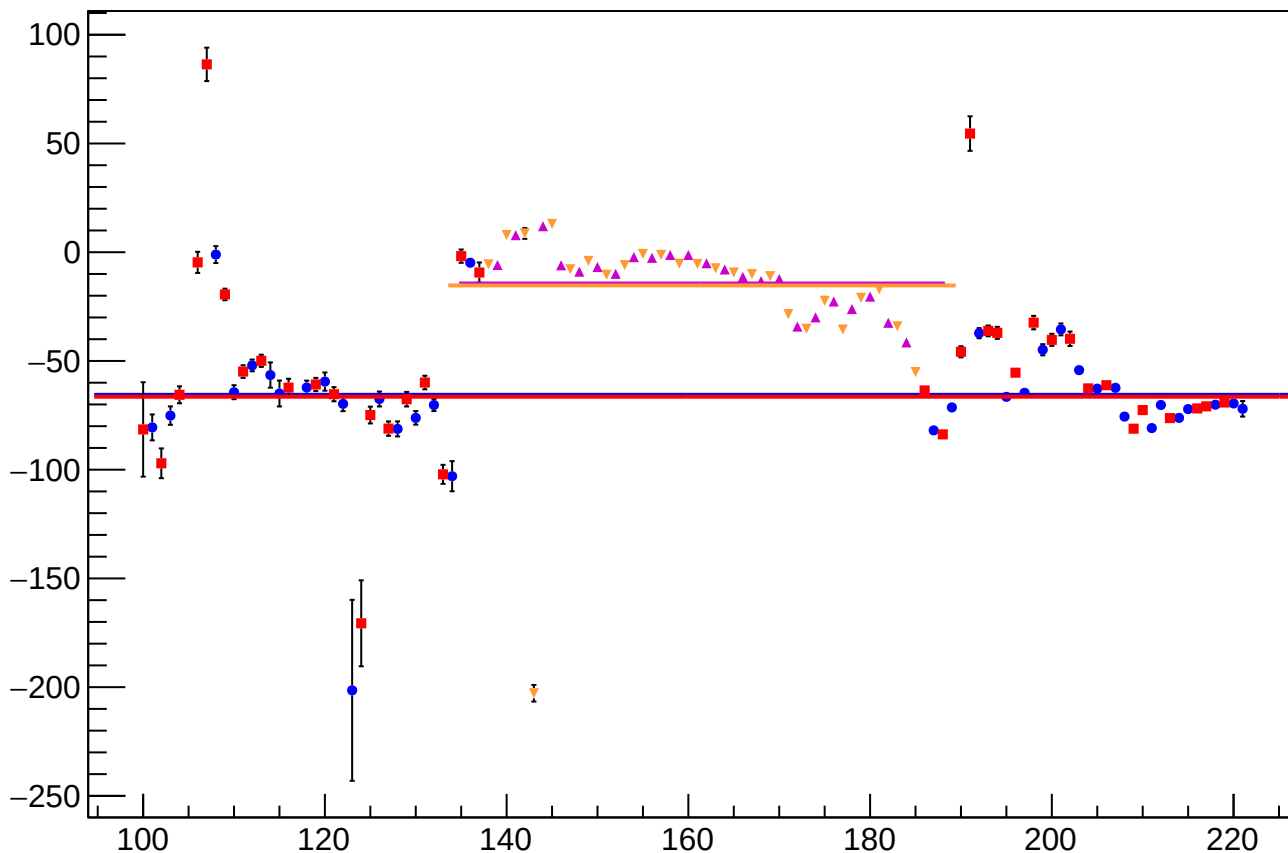
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.001 ± 0.185 χ^2/NDF : 950.3/59

All: 1.216 ± 0.131 χ^2/NDF : 1819.8/119

- 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: -65.583 ± 0.399 χ^2/NDF : 1923.3/34

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -66.444 ± 0.334 χ^2/NDF : 3433.7/36

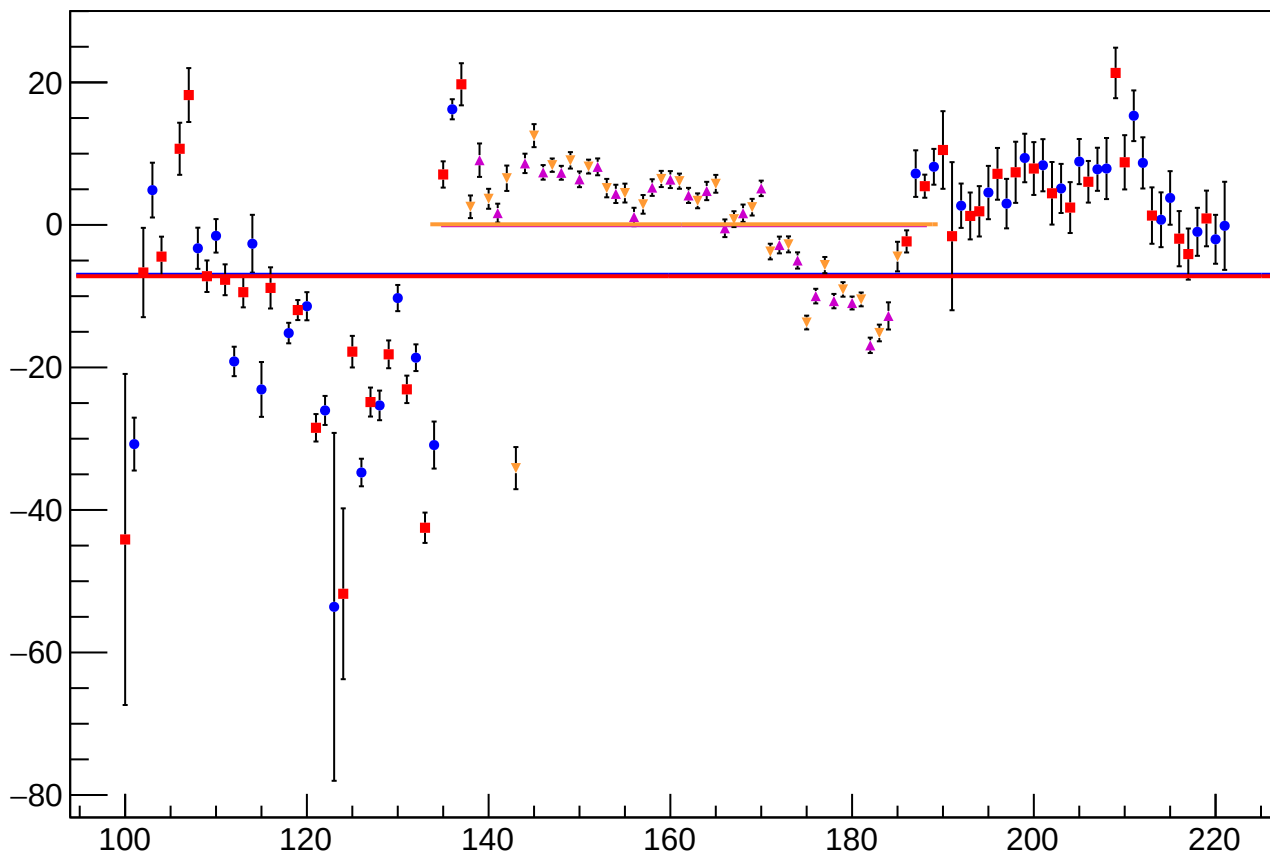
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -30.832 ± 0.222 χ^2/NDF : 17735.0/59

All: -32.960 ± 0.152 χ^2/NDF : 38075.3/119

- 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: -6.993 ± 0.448 χ^2/NDF : 1162.4/34

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -7.201 ± 0.433 χ^2/NDF : 1104.5/36

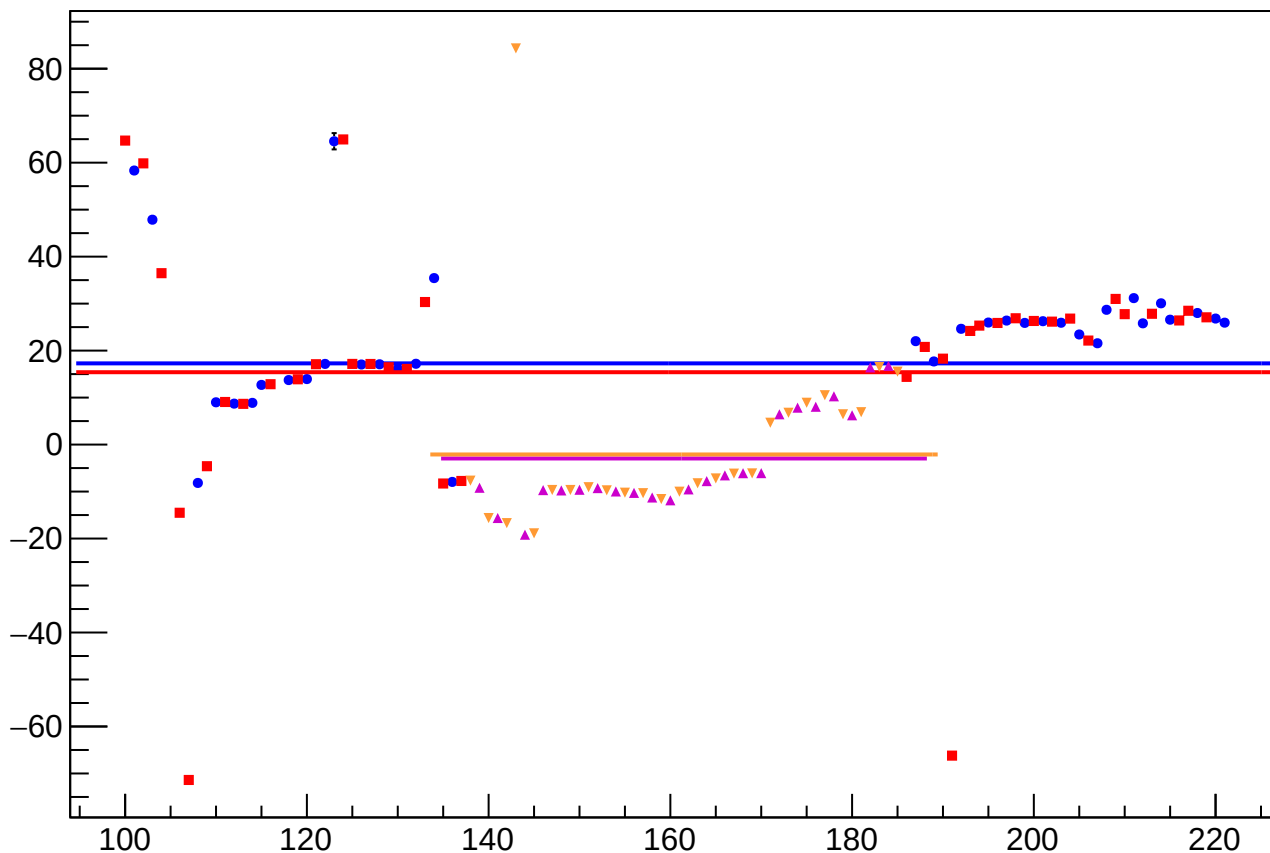
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.471 ± 0.210 χ^2/NDF : 2529.1/59

All: -1.614 ± 0.149 χ^2/NDF : 4870.4/119

- 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: 17.283 $\pm$ 0.022 χ^2 /NDF: 498477.8/34

Left Out: -2.105 $\pm$ 0.011 χ^2 /NDF: 1093120.2/24

Right Out: 15.402 $\pm$ 0.022 χ^2 /NDF: 776652.2/36

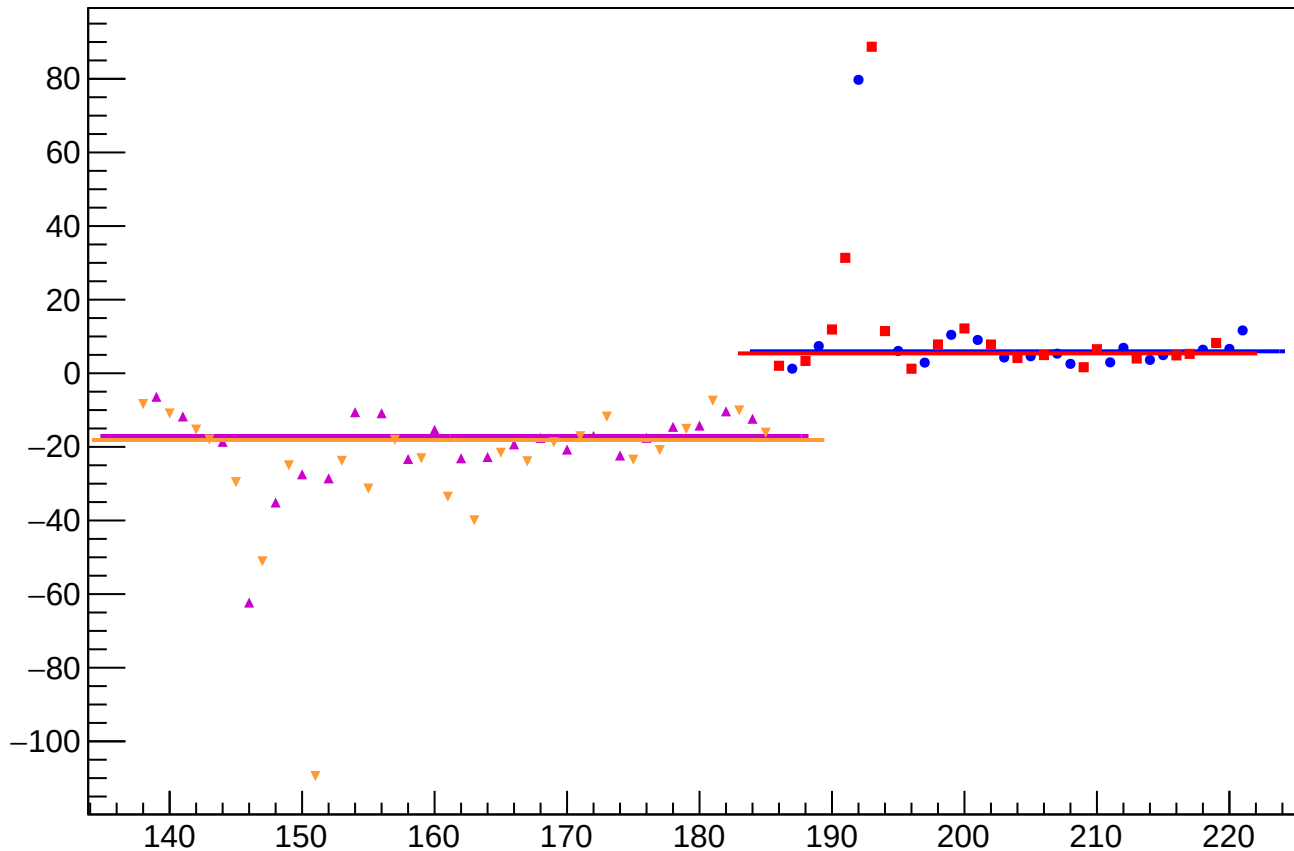
Left In: -2.959 $\pm$ 0.011 χ^2 /NDF: 763000.9/22

+ sign 1.629 $\pm$ 0.010 χ^2 /NDF: 2198418.9/59

All: 1.159 $\pm$ 0.007 χ^2 /NDF: 4295700.6/119

- sign 0.686 $\pm$ 0.010 χ^2 /NDF: 2092689.3/59

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 5.963 ± 0.045 χ^2/NDF : 27223.5/17

Left Out: -18.128 ± 0.039 χ^2/NDF : 88551.6/24

Right Out: 5.403 ± 0.045 χ^2/NDF : 27114.4/17

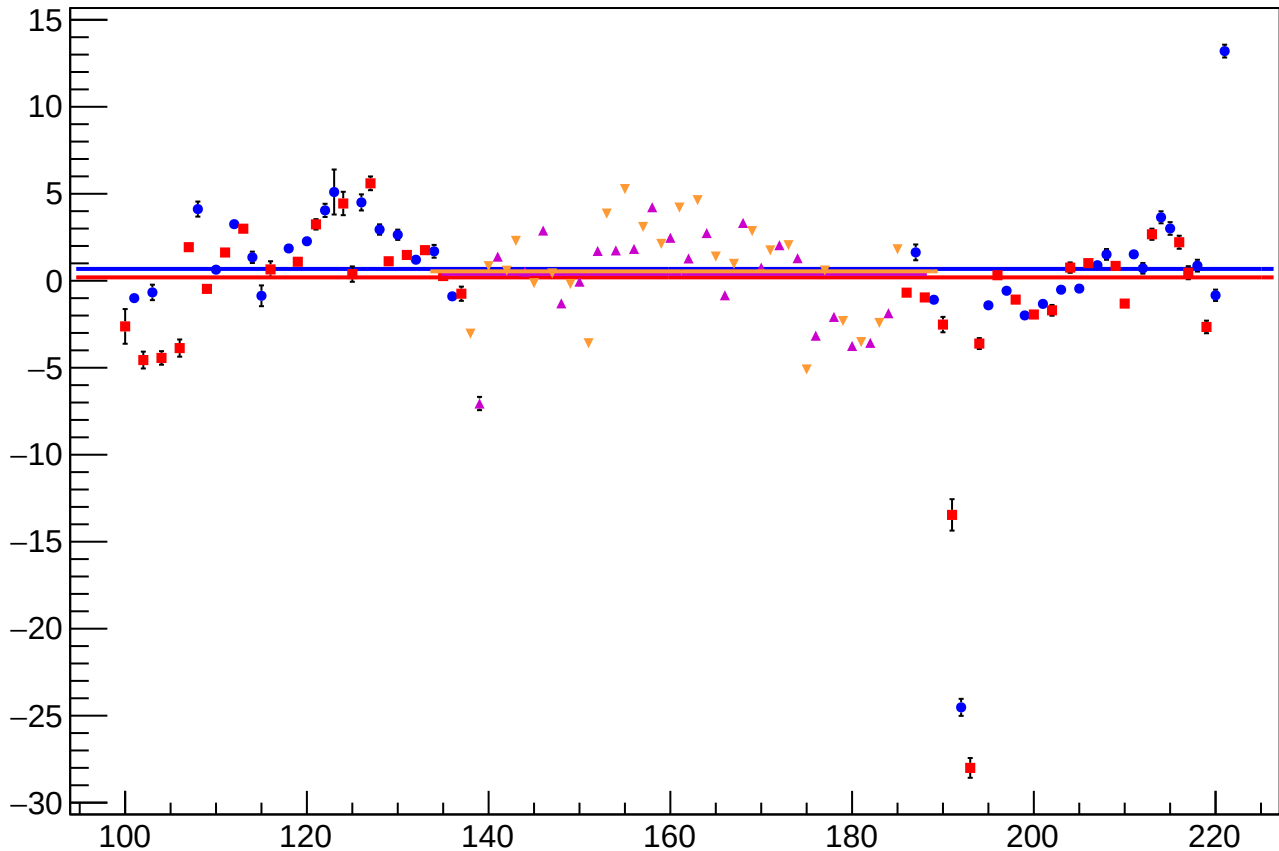
Left In: -17.038 ± 0.038 χ^2/NDF : 44141.1/22

+ sign -7.696 ± 0.029 χ^2/NDF : 281736.9/42

All: -7.696 ± 0.021 χ^2/NDF : 497035.7/83

- sign -7.695 ± 0.029 χ^2/NDF : 215298.8/40

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.681 ± 0.045 $\chi^2/\text{NDF}: 5176.3/34$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.194 ± 0.043 $\chi^2/\text{NDF}: 4450.6/36$

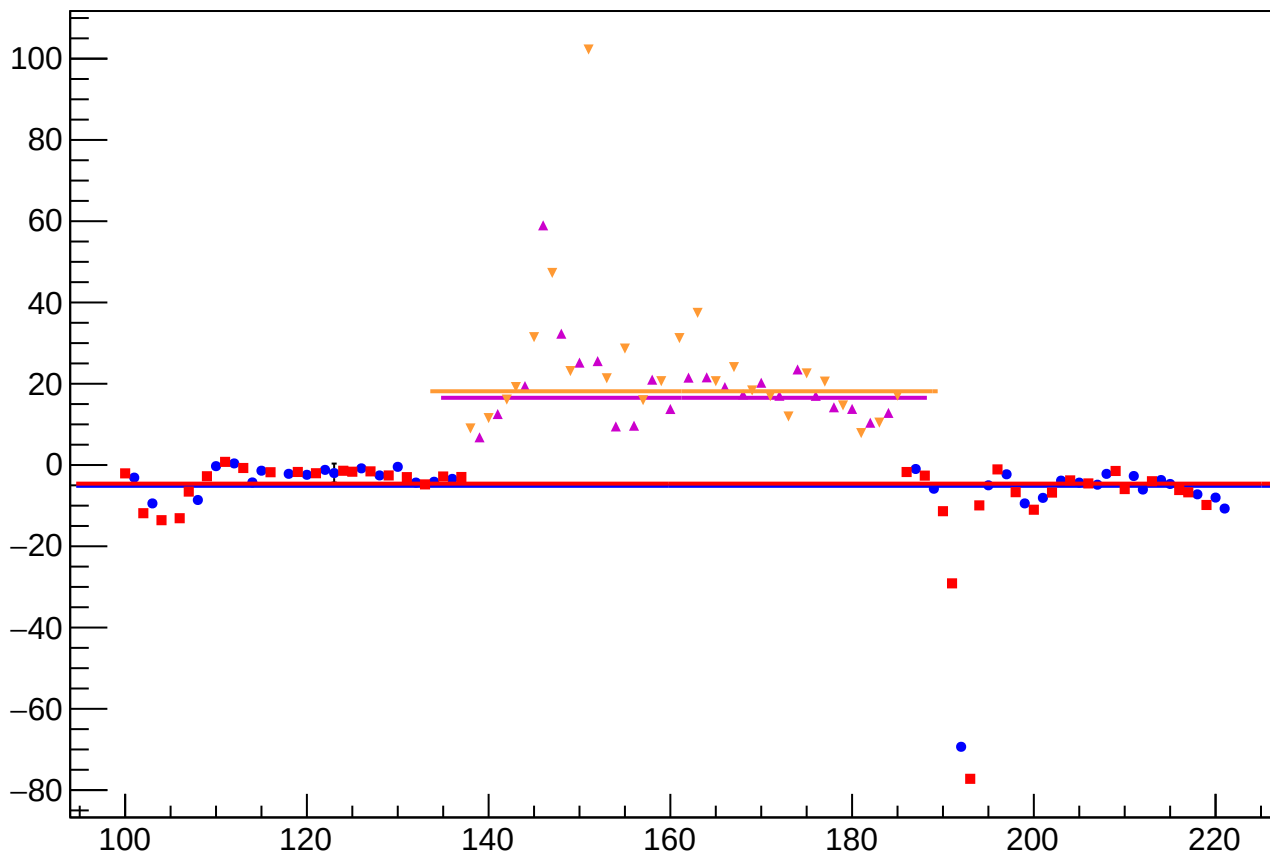
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.590 ± 0.026 $\chi^2/\text{NDF}: 12267.8/59$

All: 0.454 ± 0.018 $\chi^2/\text{NDF}: 23020.3/119$

- sign 0.329 ± 0.025 $\chi^2/\text{NDF}: 10700.8/59$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.118 ± 0.040 $\chi^2/\text{NDF}: 28230.9/34$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -4.582 ± 0.039 $\chi^2/\text{NDF}: 29038.1/36$

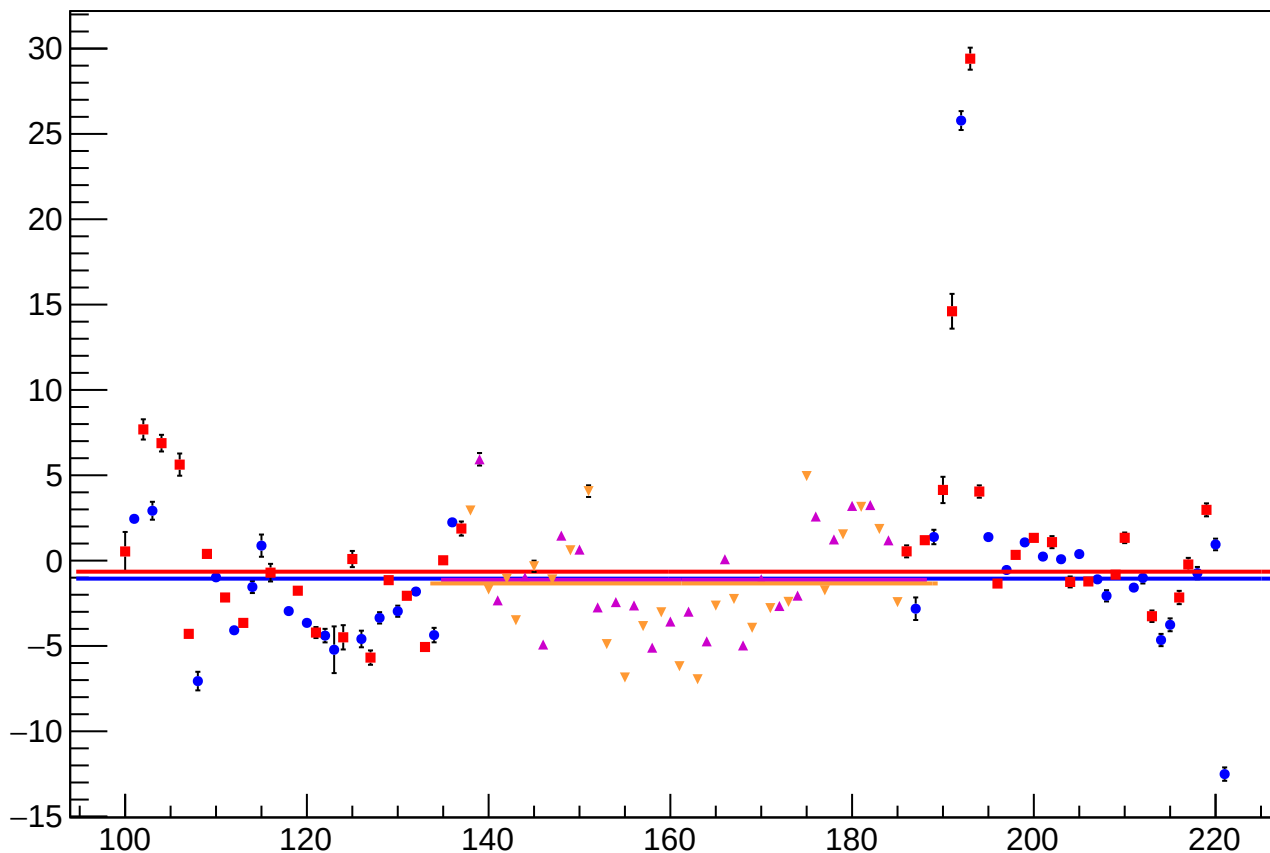
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 6.900 ± 0.028 $\chi^2/\text{NDF}: 277356.0/59$

All: 6.588 ± 0.020 $\chi^2/\text{NDF}: 499295.3/119$

- sign 6.298 ± 0.027 $\chi^2/\text{NDF}: 221701.4/59$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.056 ± 0.051 χ^2/NDF : 5010.3/34

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.648 ± 0.050 χ^2/NDF : 4683.2/36

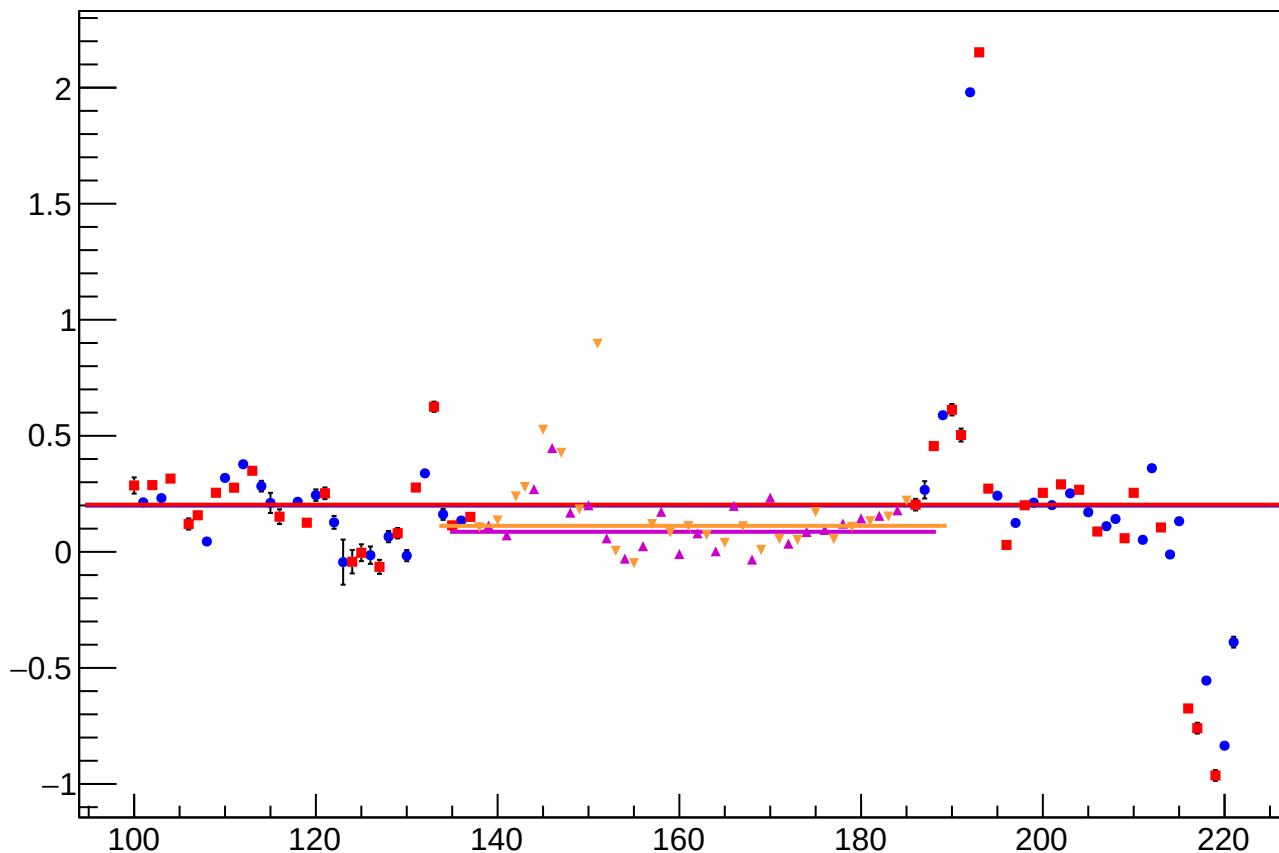
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.245 ± 0.029 χ^2/NDF : 12973.6/59

All: -1.105 ± 0.020 χ^2/NDF : 24504.3/119

- sign -0.976 ± 0.028 χ^2/NDF : 11486.9/59

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.200 ± 0.002 χ^2/NDF : 16469.3/34

Left Out: 0.112 ± 0.002 χ^2/NDF : 4503.9/24

Right Out: 0.203 ± 0.002 χ^2/NDF : 18310.7/36

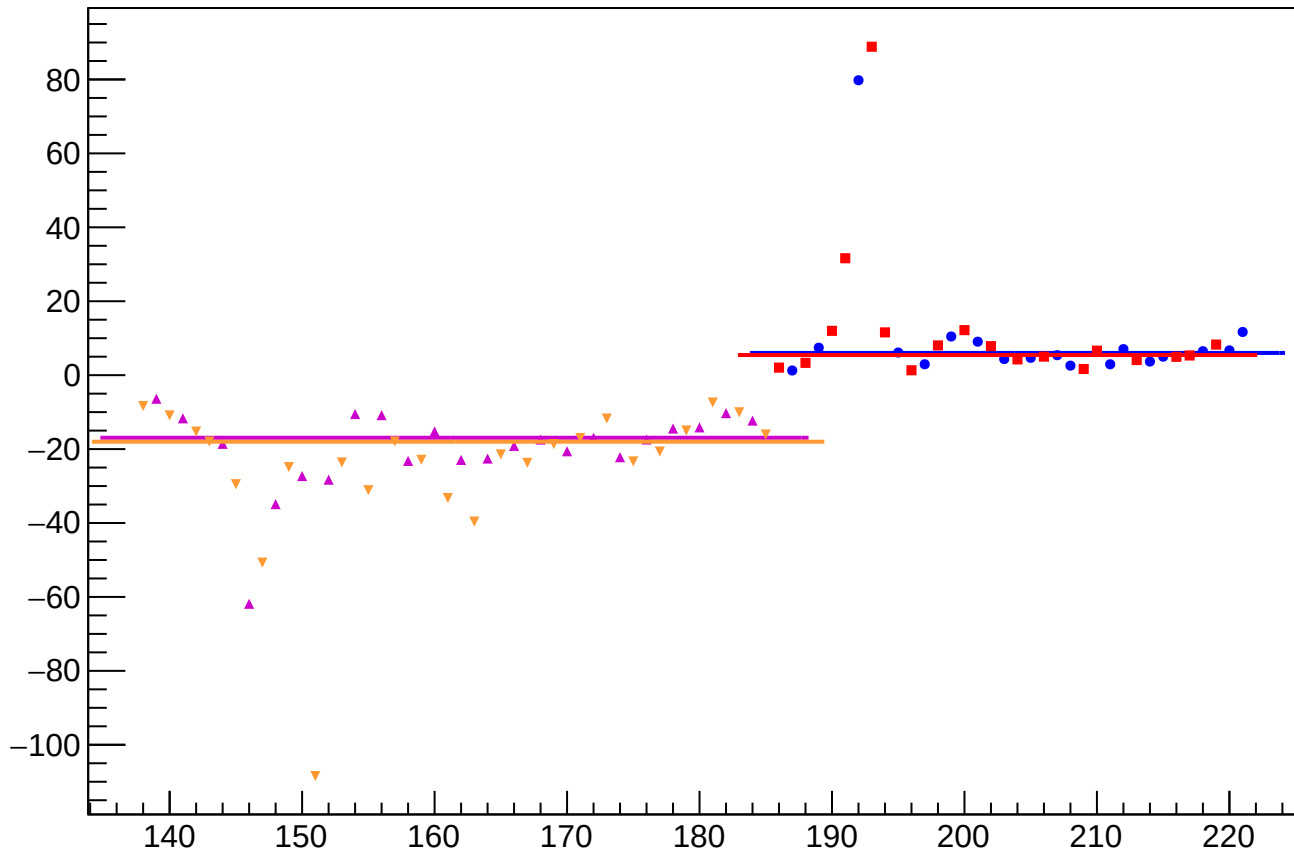
Left In: 0.087 ± 0.002 χ^2/NDF : 3655.4/22

+ sign 0.141 ± 0.001 χ^2/NDF : 21943.0/59

All: 0.131 ± 0.001 χ^2/NDF : 45846.6/119

- sign 0.122 ± 0.001 χ^2/NDF : 23797.3/59

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 6.016 ± 0.044 $\chi^2/\text{NDF}: 27447.9/17$

Left Out: -18.005 ± 0.039 $\chi^2/\text{NDF}: 88391.0/24$

Right Out: 5.449 ± 0.045 $\chi^2/\text{NDF}: 27470.4/17$

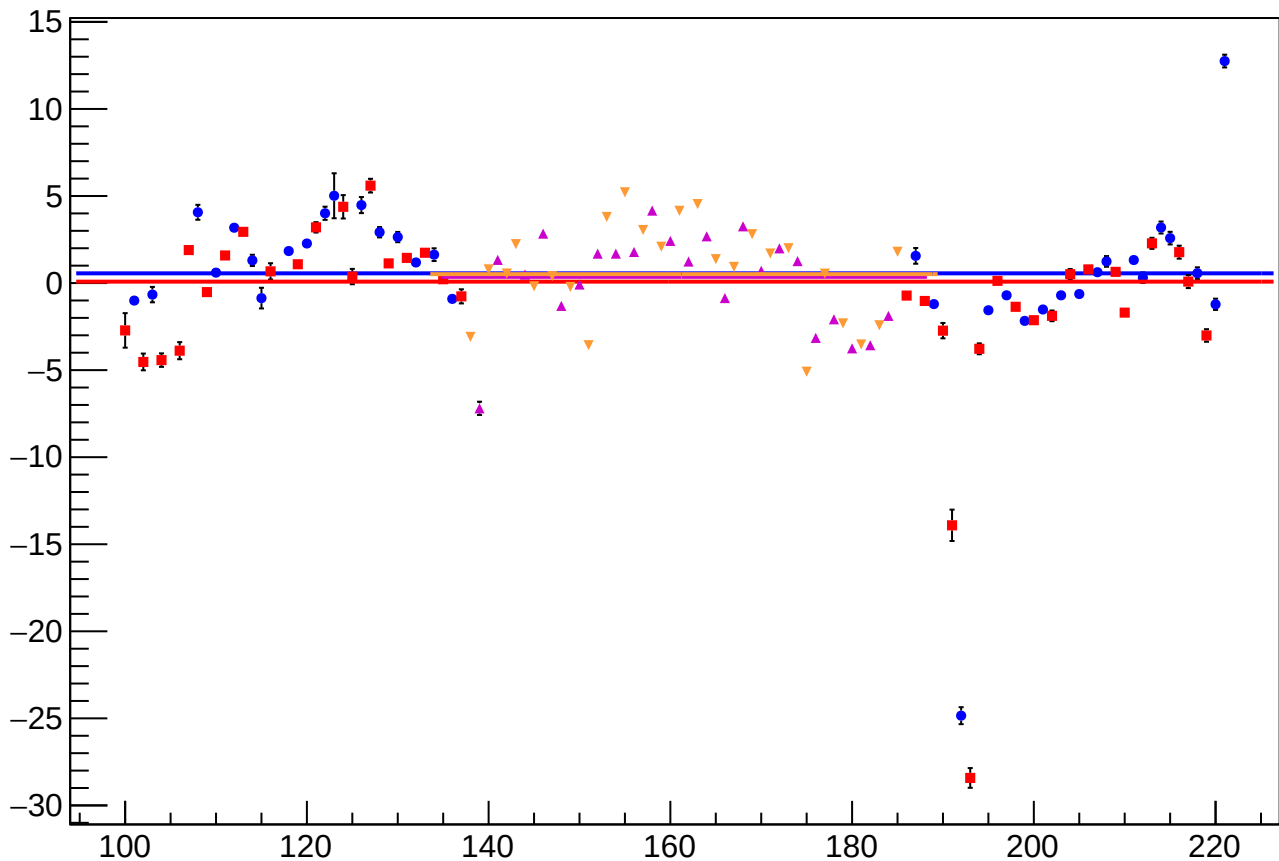
Left In: -16.934 ± 0.038 $\chi^2/\text{NDF}: 44060.6/22$

+ sign -7.635 ± 0.029 $\chi^2/\text{NDF}: 282662.8/42$

All: -7.628 ± 0.021 $\chi^2/\text{NDF}: 499286.9/83$

- sign -7.621 ± 0.029 $\chi^2/\text{NDF}: 216624.0/40$

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.559 ± 0.045 χ^2/NDF : 5232.4/34

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.081 ± 0.043 χ^2/NDF : 4609.1/36

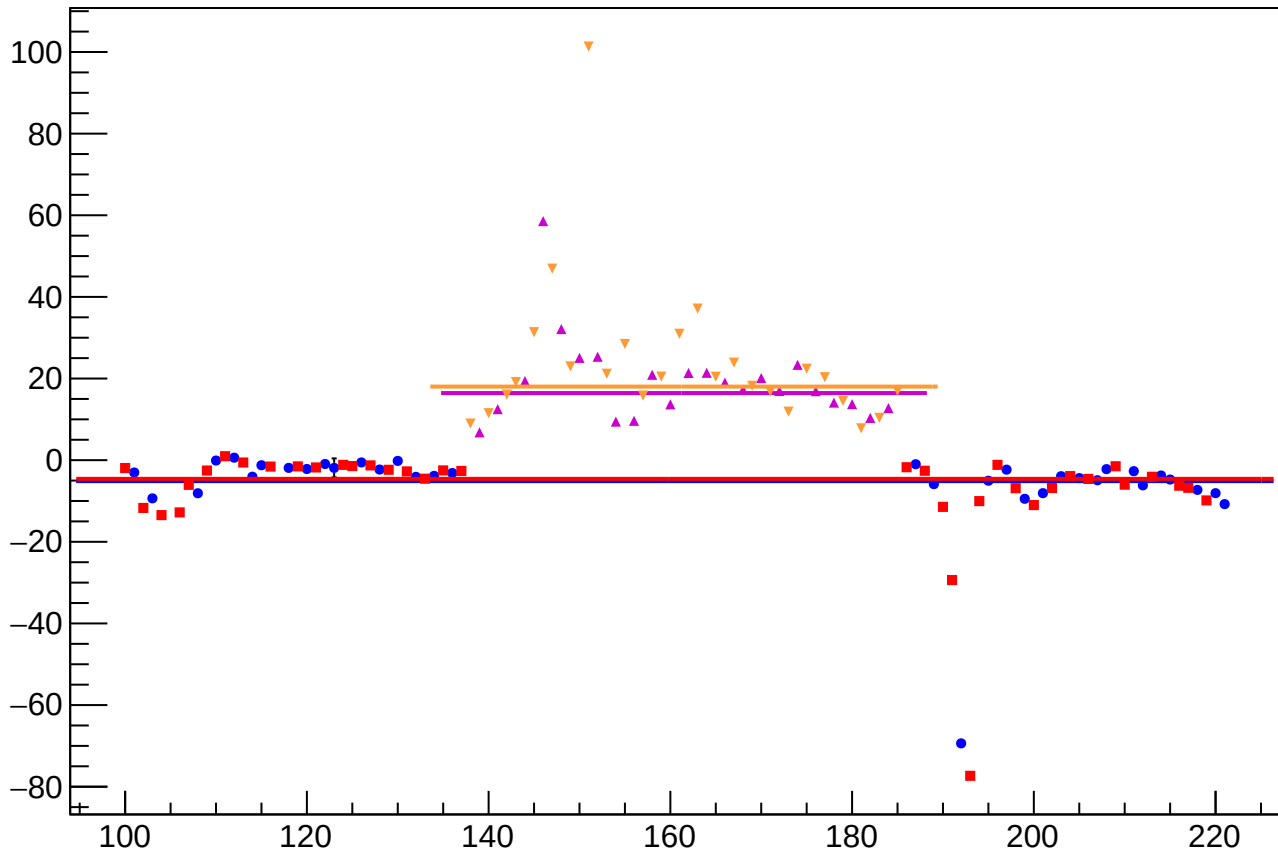
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.528 ± 0.026 χ^2/NDF : 12303.5/59

All: 0.391 ± 0.018 χ^2/NDF : 23213.7/119

- sign 0.267 ± 0.025 χ^2/NDF : 10858.0/59

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.129+/-0.040 χ^2/NDF : 28587.5/34

Left Out: 18.027+/-0.039 χ^2/NDF : 77718.1/24

Right Out: -4.575+/-0.039 χ^2/NDF : 29534.9/36

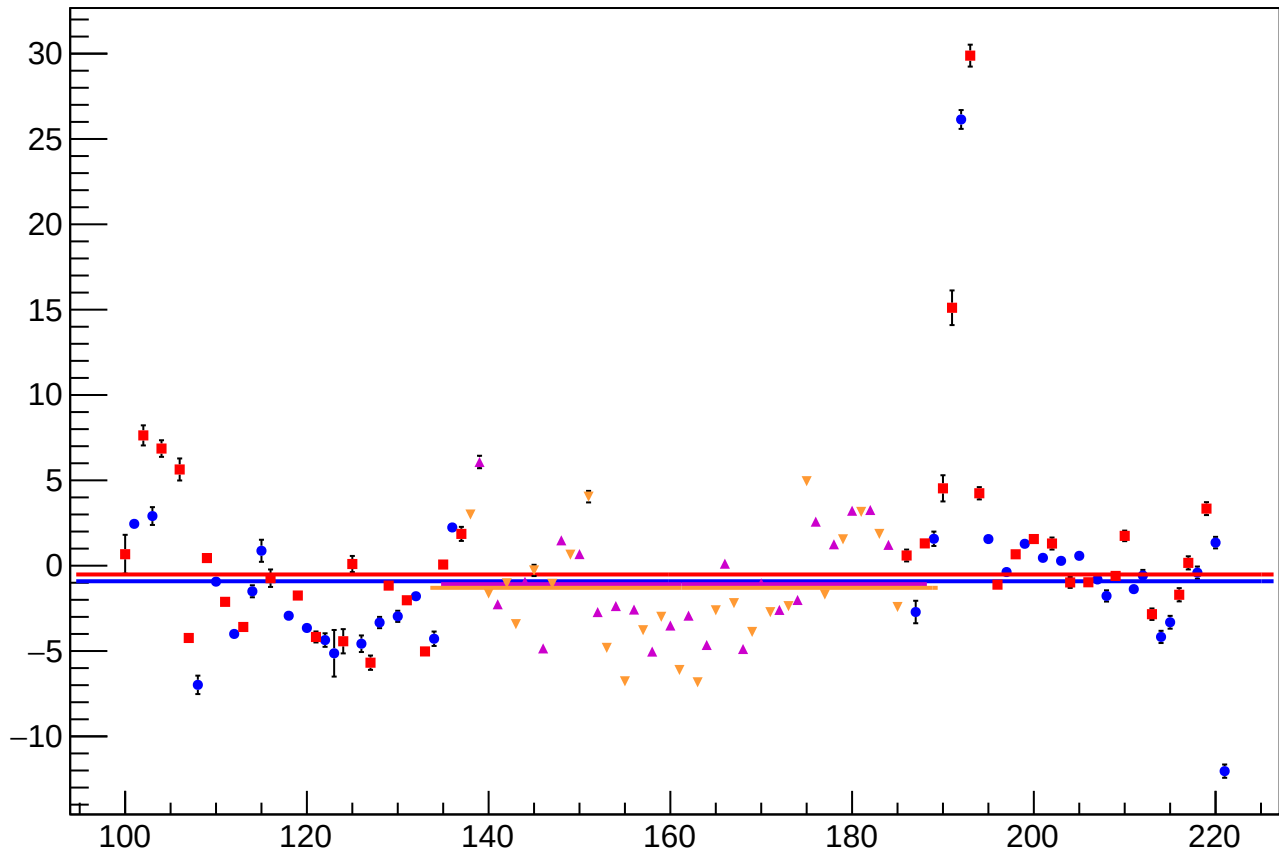
Left In: 16.443+/-0.038 χ^2/NDF : 40780.6/22

+ sign 6.861+/-0.028 χ^2/NDF : 277877.2/59

All: 6.545+/-0.019 χ^2/NDF : 500685.9/119

- sign 6.251+/-0.027 χ^2/NDF : 222562.0/59

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.912 ± 0.051 χ^2/NDF : 5053.2/34

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.515 ± 0.050 χ^2/NDF : 4844.7/36

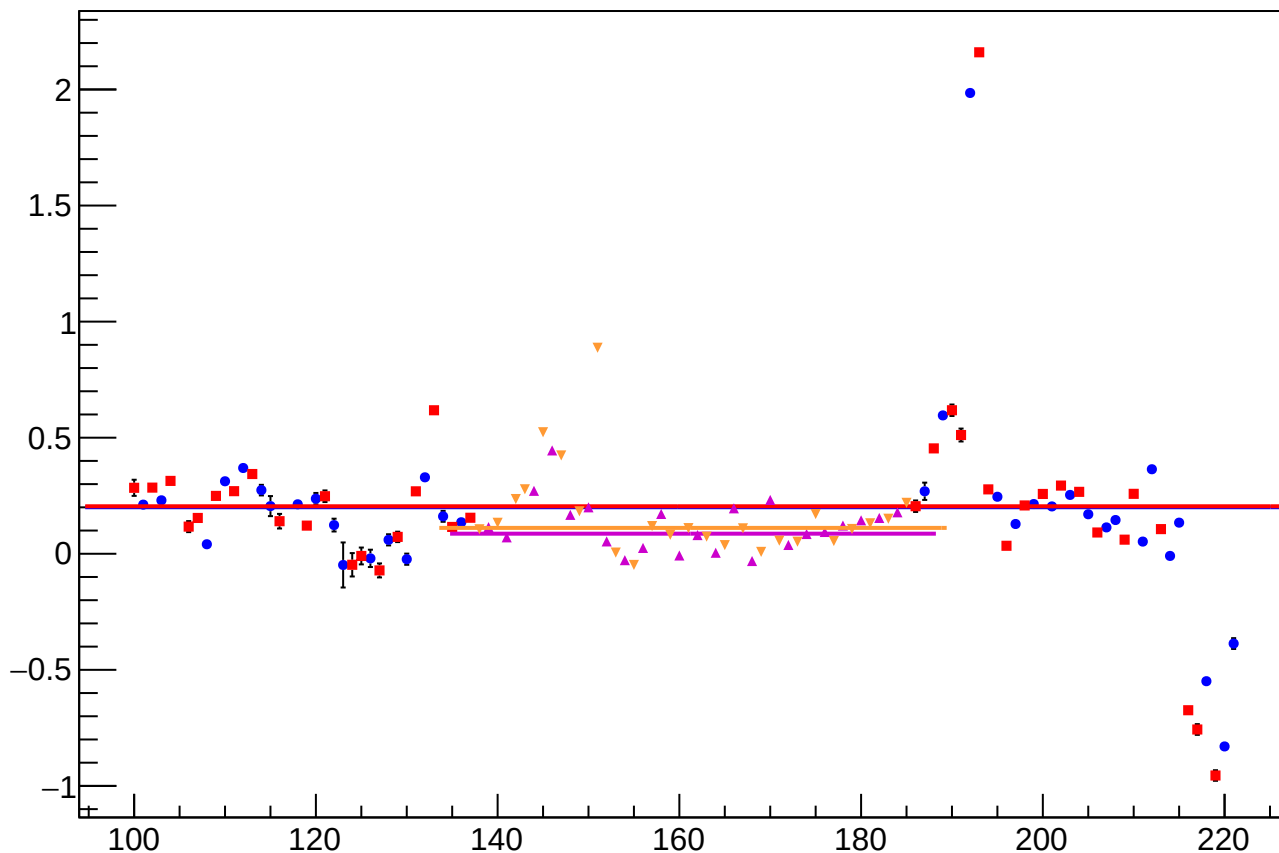
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.171 ± 0.029 χ^2/NDF : 13016.6/59

All: -1.030 ± 0.020 χ^2/NDF : 24718.8/119

- sign -0.901 ± 0.028 χ^2/NDF : 11657.8/59

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.200 $\pm$ 0.002 χ^2 /NDF: 16605.5/34

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF: 4496.0/24

Right Out: 0.205 $\pm$ 0.002 χ^2 /NDF: 18459.9/36

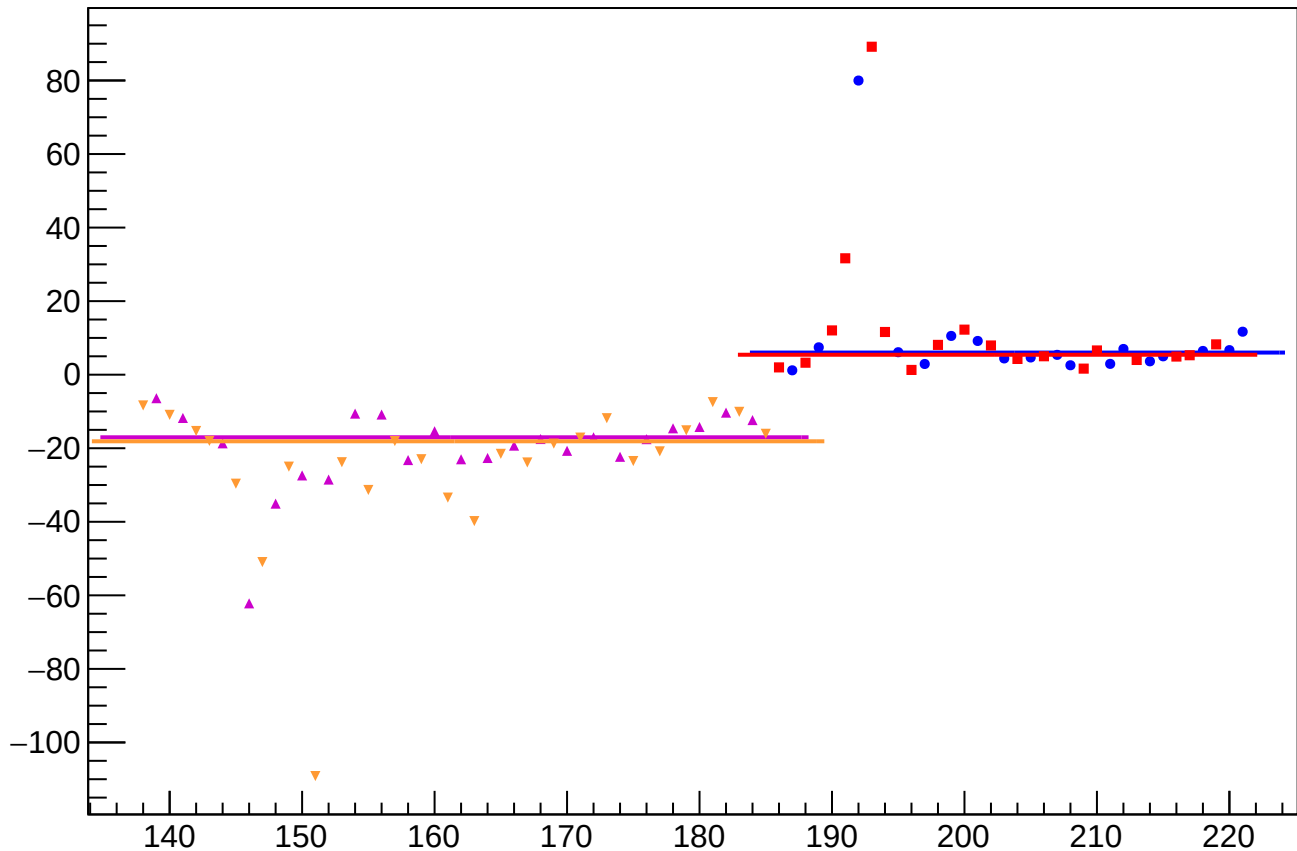
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3625.5/22

+ sign 0.140 $\pm$ 0.001 χ^2 /NDF: 22115.8/59

All: 0.131 $\pm$ 0.001 χ^2 /NDF: 46191.8/119

- sign 0.122 $\pm$ 0.001 χ^2 /NDF: 23975.2/59

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 6.016 ± 0.045 $\chi^2/\text{NDF}: 27432.6/17$

Left Out: -18.112 ± 0.039 $\chi^2/\text{NDF}: 88529.7/24$

Right Out: 5.423 ± 0.045 $\chi^2/\text{NDF}: 27487.5/17$

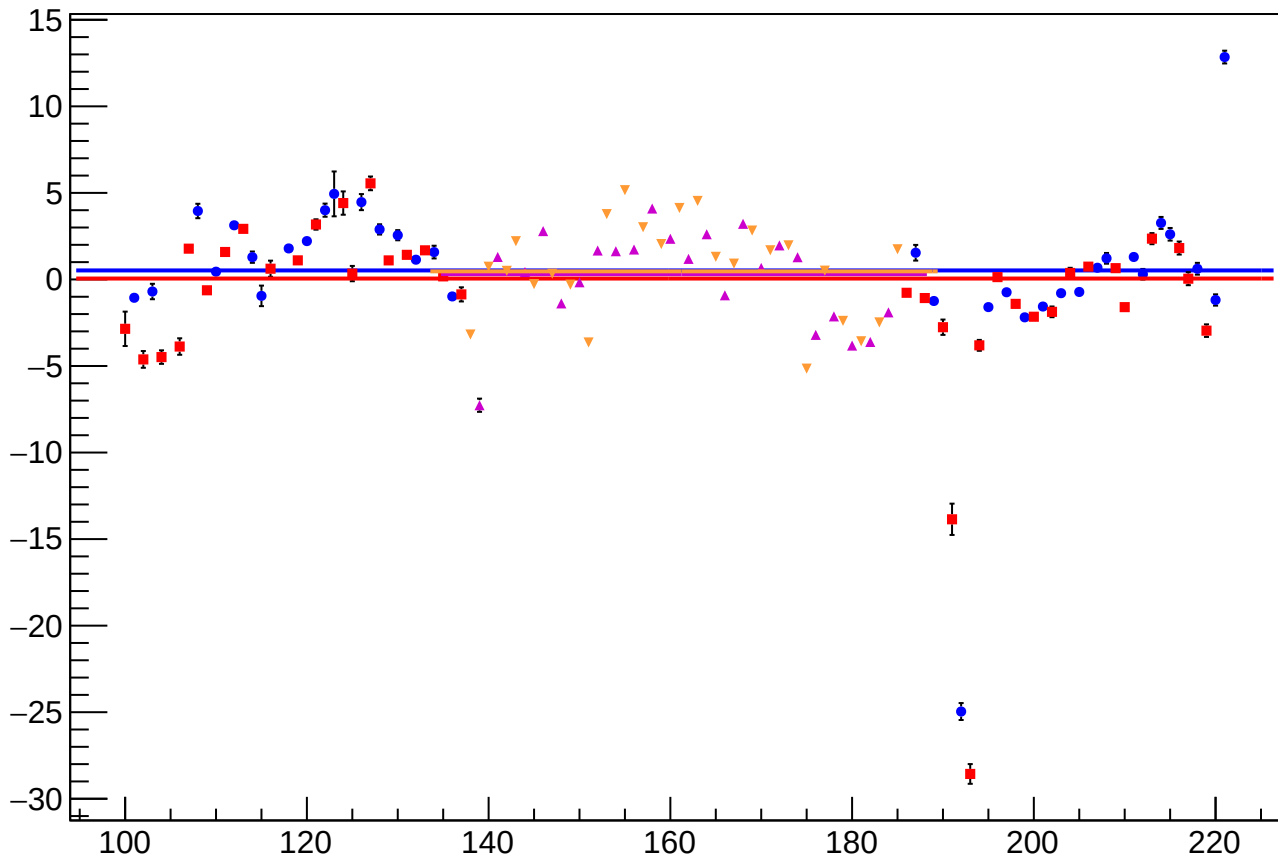
Left In: -17.024 ± 0.038 $\chi^2/\text{NDF}: 44141.8/22$

+ sign -7.727 ± 0.029 $\chi^2/\text{NDF}: 282354.9/42$

All: -7.712 ± 0.021 $\chi^2/\text{NDF}: 498587.7/83$

- sign -7.697 ± 0.029 $\chi^2/\text{NDF}: 216232.3/40$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.521 ± 0.045 $\chi^2/\text{NDF}: 5238.5/34$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7093.0/24$

Right Out: 0.052 ± 0.043 $\chi^2/\text{NDF}: 4597.2/36$

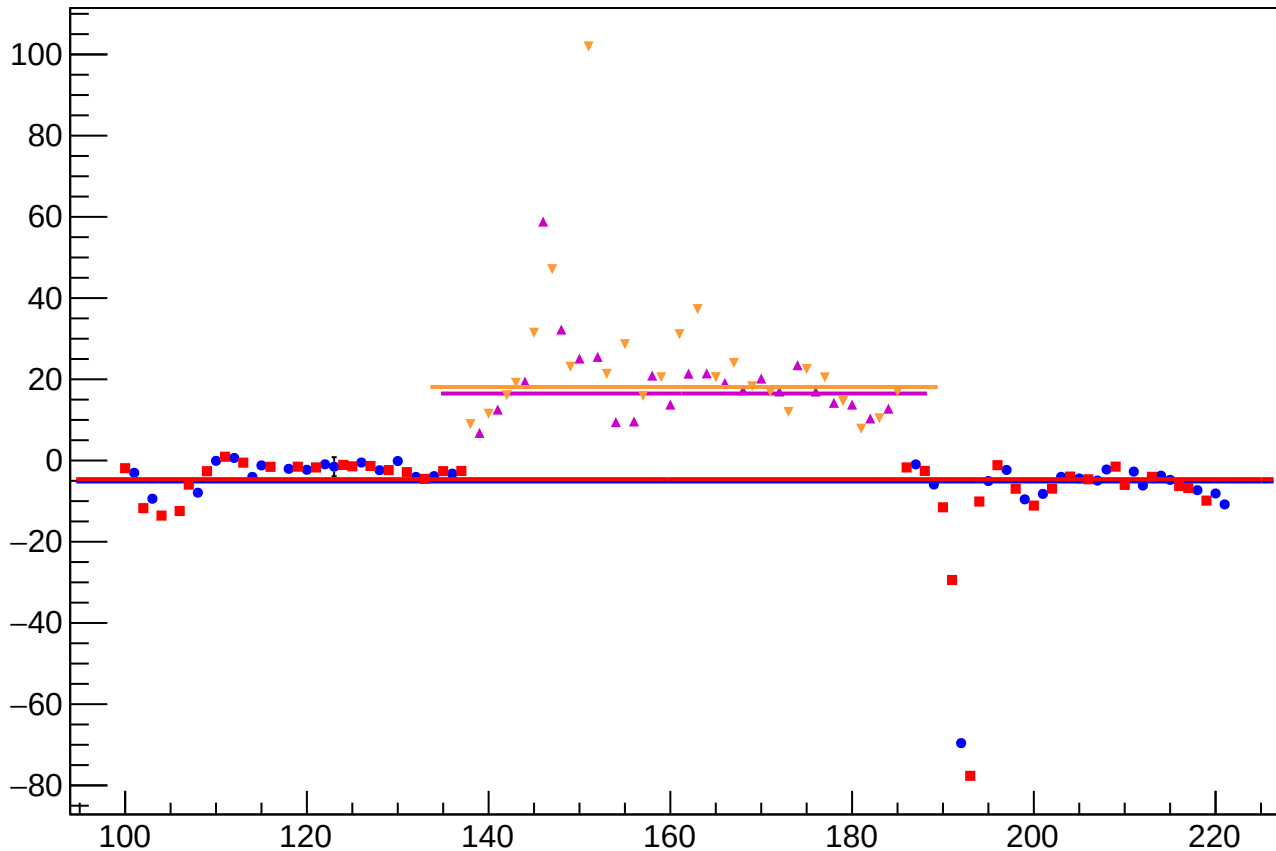
Left In: 0.311 ± 0.031 $\chi^2/\text{NDF}: 6183.1/22$

+ sign 0.487 ± 0.026 $\chi^2/\text{NDF}: 12332.4/59$

All: 0.349 ± 0.018 $\chi^2/\text{NDF}: 23189.0/119$

- sign 0.224 ± 0.025 $\chi^2/\text{NDF}: 10804.1/59$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -5.158 ± 0.040 $\chi^2/\text{NDF}: 28569.5/34$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.581 ± 0.039 $\chi^2/\text{NDF}: 29531.4/36$

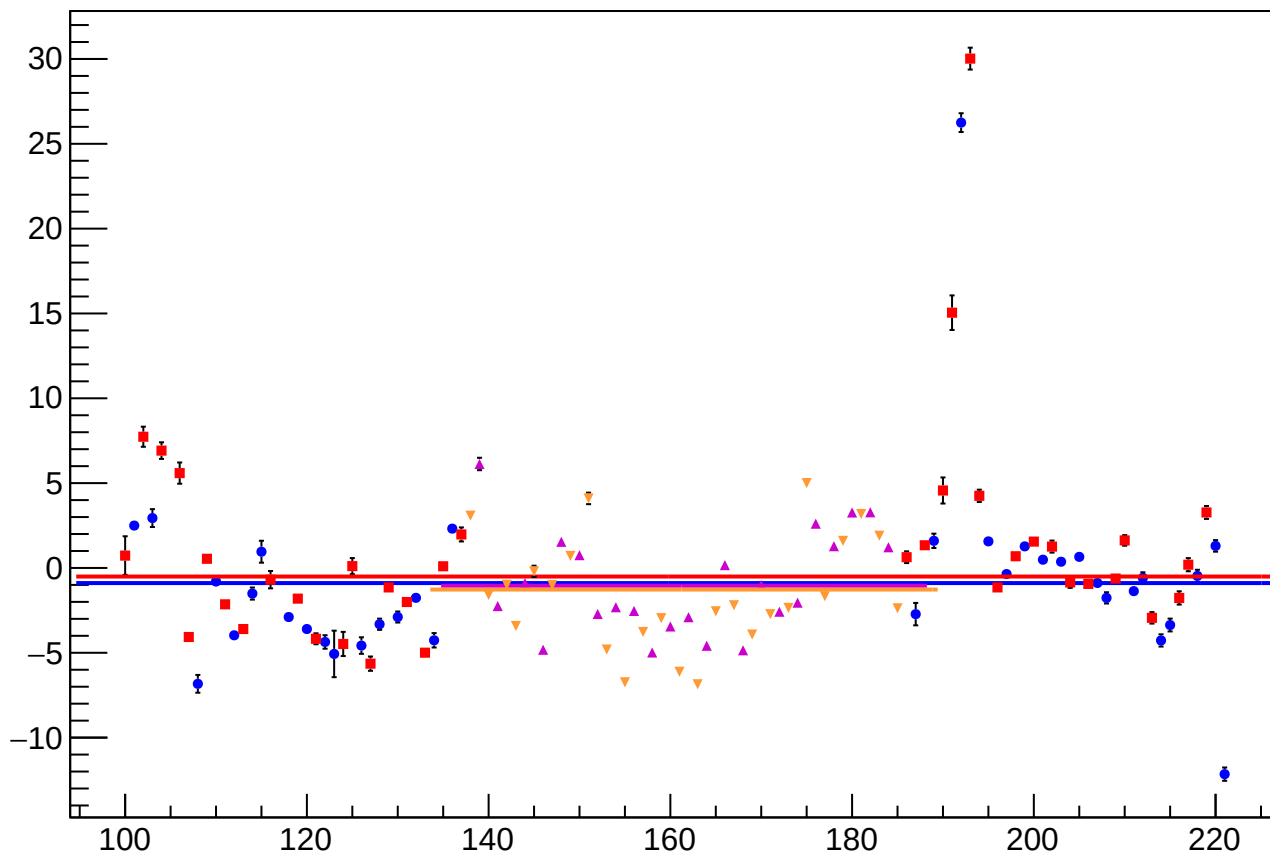
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 6.912 ± 0.028 $\chi^2/\text{NDF}: 277608.8/59$

All: 6.585 ± 0.019 $\chi^2/\text{NDF}: 500119.8/119$

- sign 6.281 ± 0.027 $\chi^2/\text{NDF}: 222248.9/59$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.891 ± 0.051 χ^2/NDF : 5061.6/34

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.506 ± 0.050 χ^2/NDF : 4833.3/36

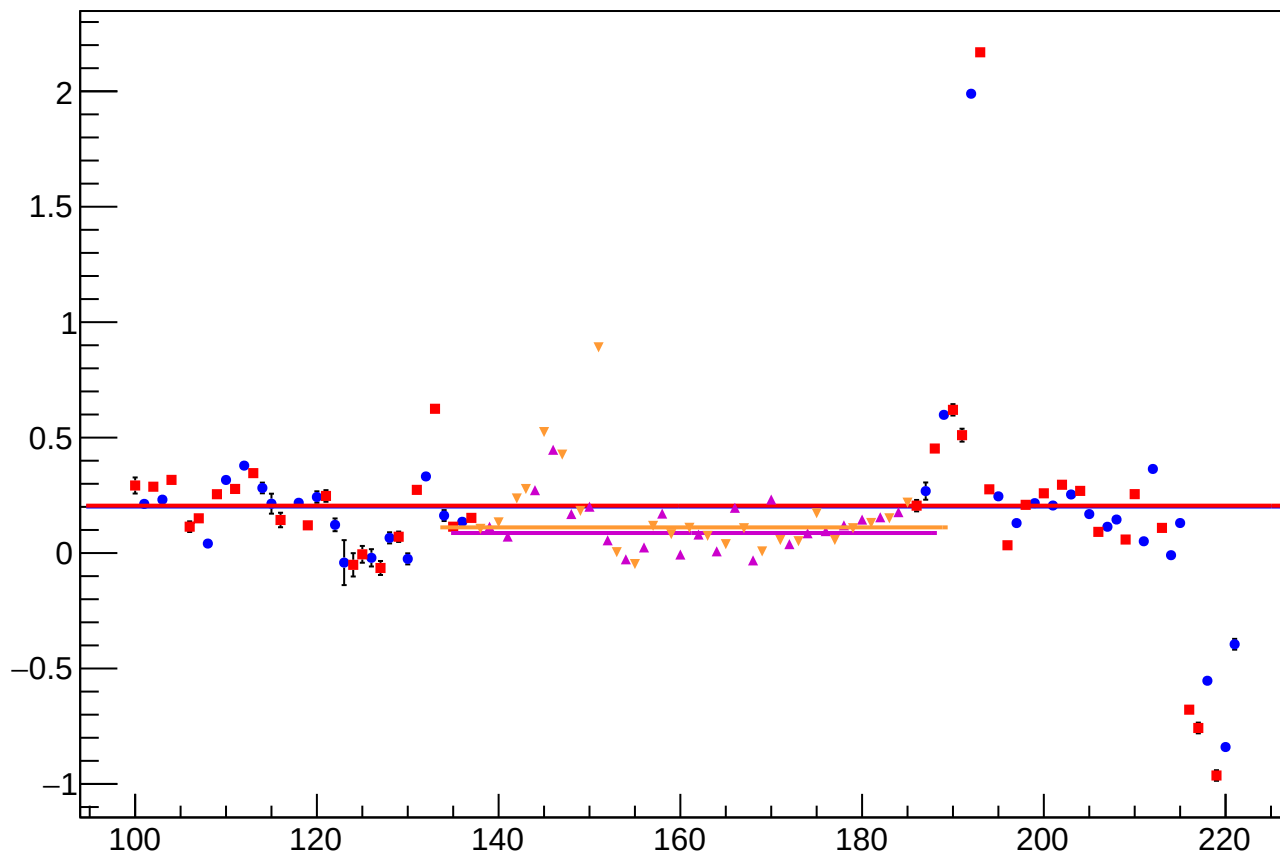
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.148 ± 0.029 χ^2/NDF : 13050.4/59

All: -1.007 ± 0.020 χ^2/NDF : 24682.9/119

- sign -0.877 ± 0.028 χ^2/NDF : 11588.2/59

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 $\pm$ 0.002 χ^2 /NDF: 16626.8/34

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

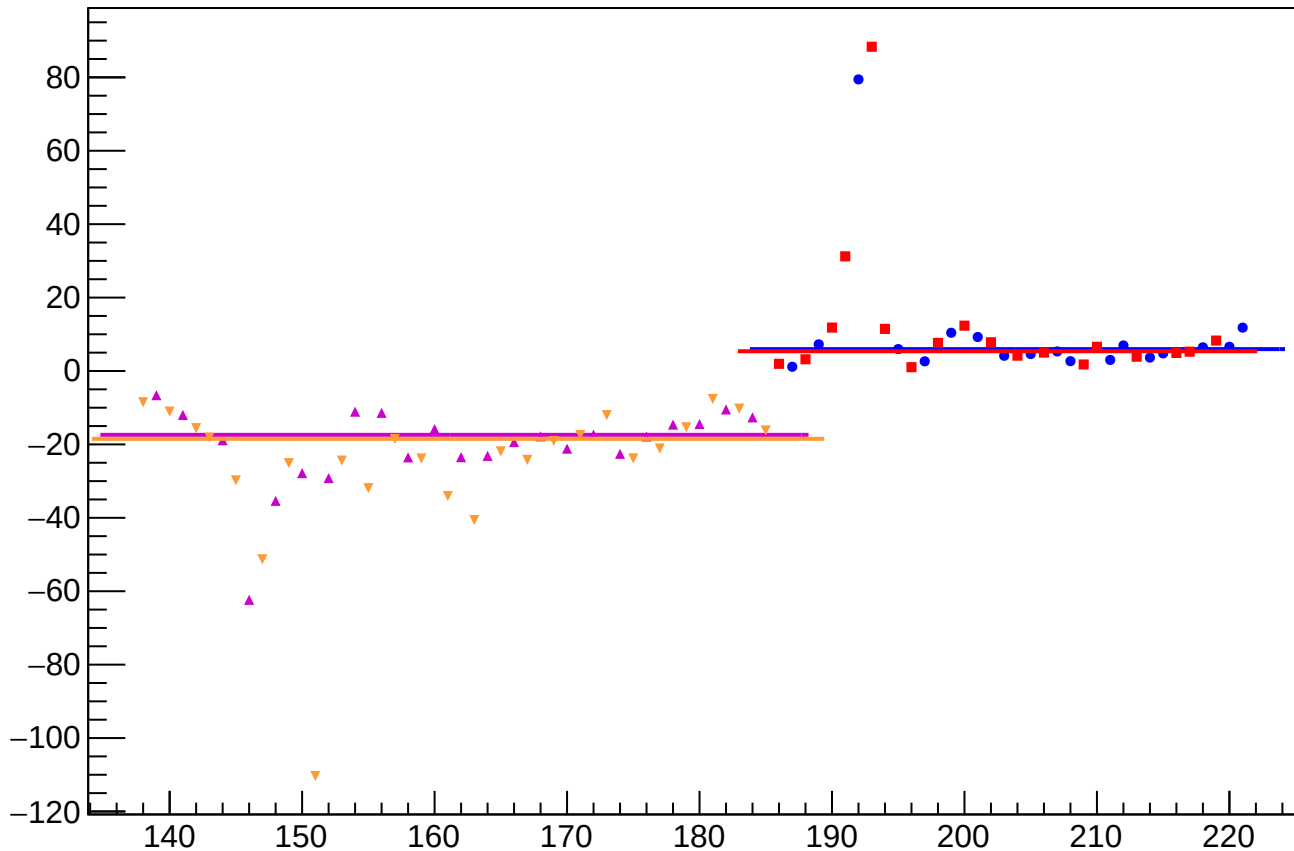
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3598.5/22

+ sign 0.140 $\pm$ 0.001 χ^2 /NDF: 22132.1/59

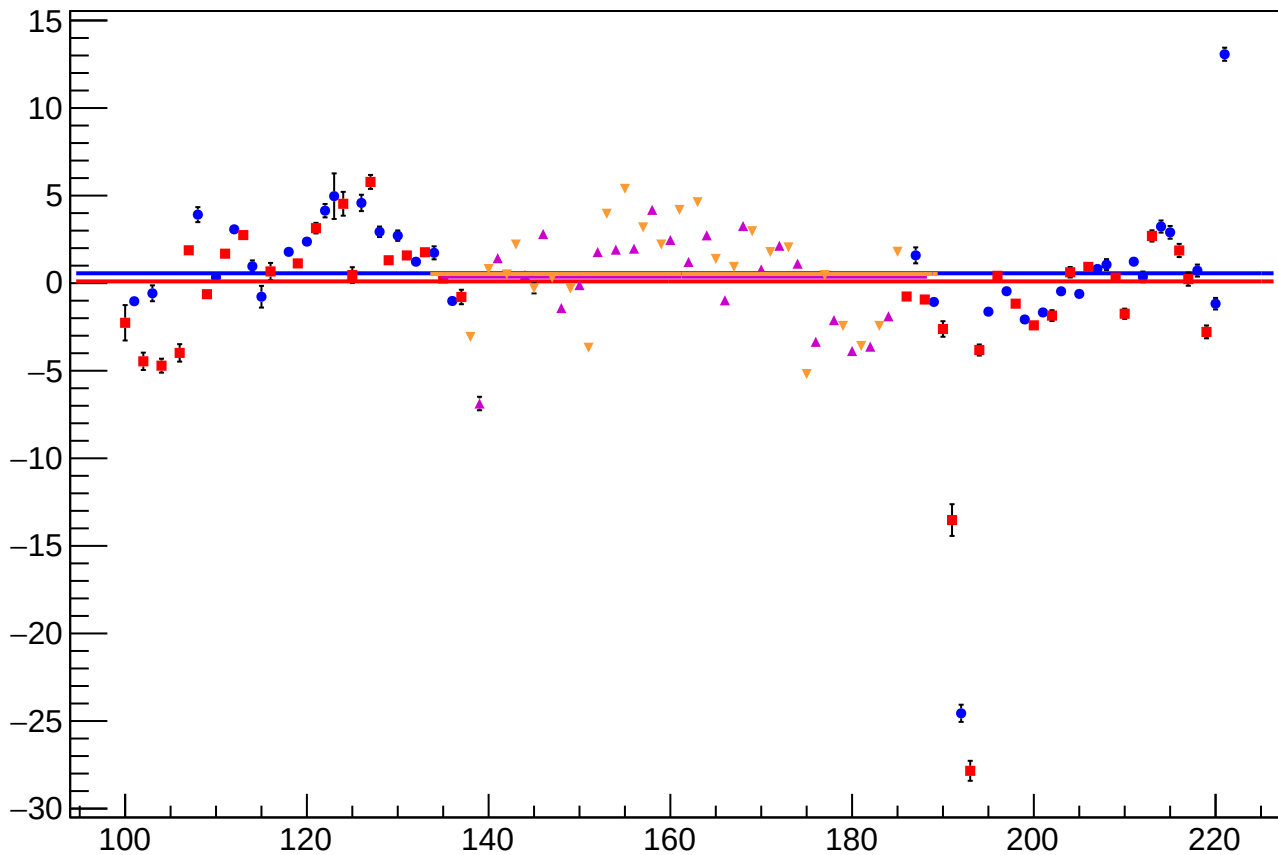
All: 0.131 $\pm$ 0.001 χ^2 /NDF: 46170.5/119

- sign 0.123 $\pm$ 0.001 χ^2 /NDF: 23941.6/59

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.564 ± 0.046 $\chi^2/\text{NDF}: 5108.5/34$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.102 ± 0.044 $\chi^2/\text{NDF}: 4450.0/36$

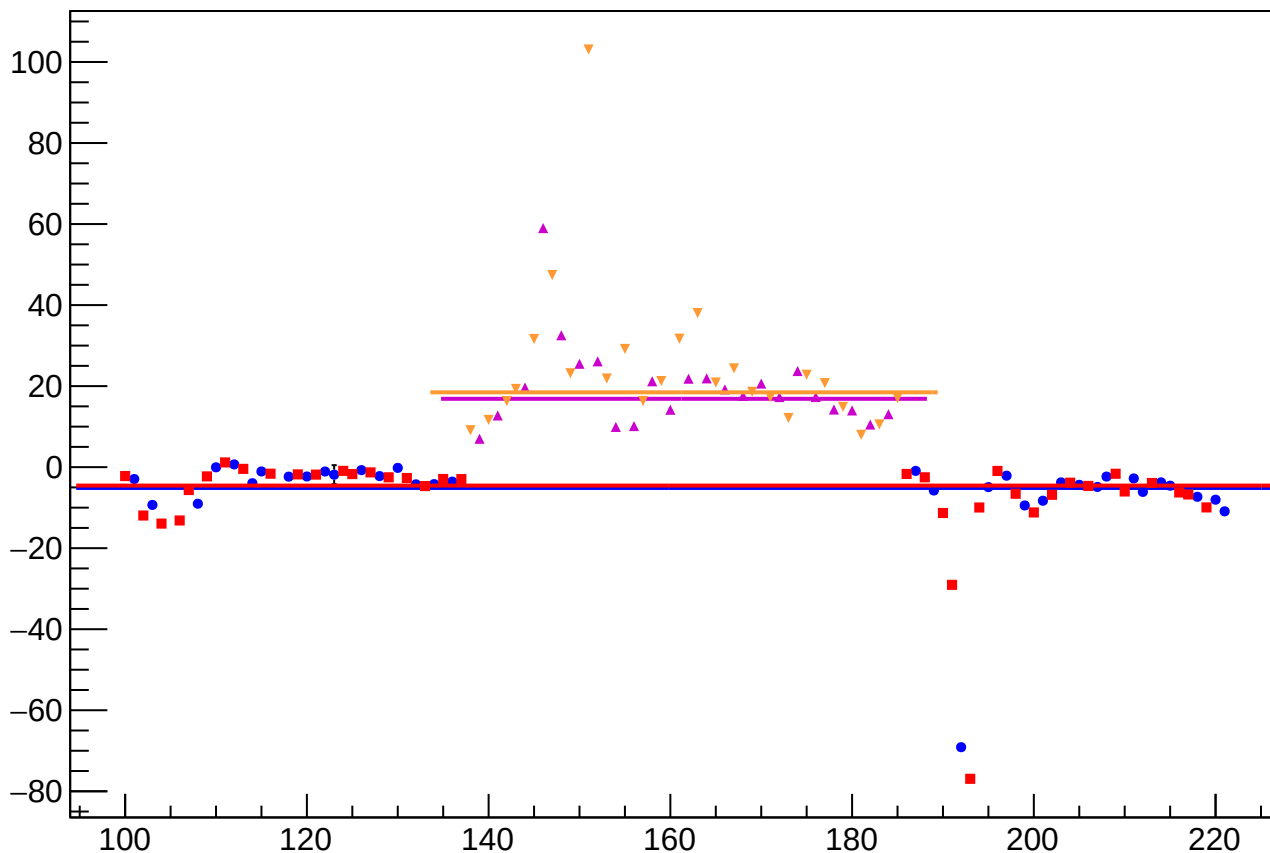
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.536 ± 0.027 $\chi^2/\text{NDF}: 12164.2/59$

All: 0.402 ± 0.018 $\chi^2/\text{NDF}: 22904.7/119$

- sign 0.280 ± 0.026 $\chi^2/\text{NDF}: 10692.4/59$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.132 ± 0.041 χ^2/NDF : 28056.0/34

Left Out: 18.467 ± 0.040 χ^2/NDF : 77226.7/24

Right Out: -4.547 ± 0.039 χ^2/NDF : 28983.1/36

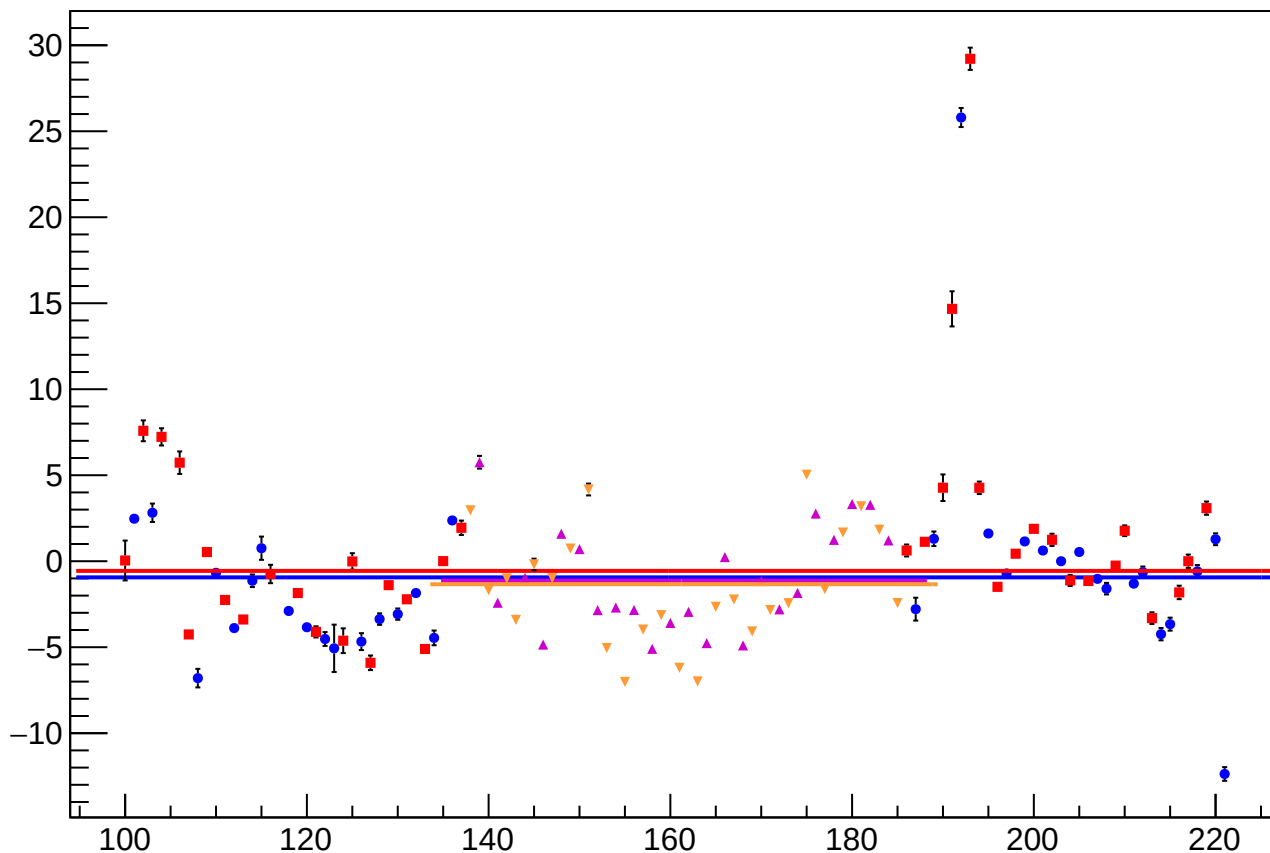
Left In: 16.867 ± 0.039 χ^2/NDF : 39779.0/22

+ sign 6.934 ± 0.029 χ^2/NDF : 276369.9/59

All: 6.609 ± 0.020 χ^2/NDF : 497409.6/119

- sign 6.308 ± 0.027 χ^2/NDF : 220789.3/59

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.940 ± 0.052 $\chi^2/\text{NDF}: 4947.3/34$

Left Out: -1.340 ± 0.037 $\chi^2/\text{NDF}: 7907.4/24$

Right Out: -0.563 ± 0.050 $\chi^2/\text{NDF}: 4694.8/36$

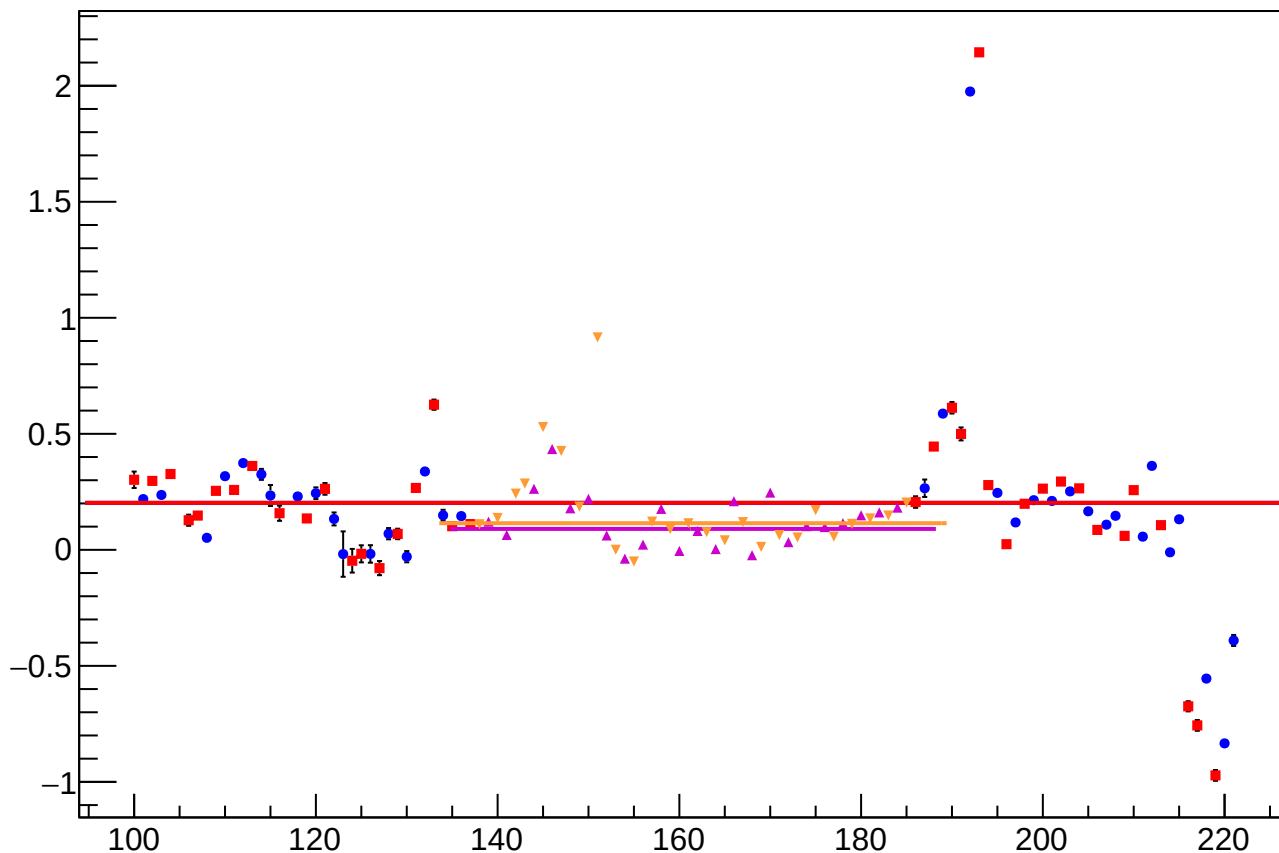
Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6708.5/22$

+ sign -1.207 ± 0.030 $\chi^2/\text{NDF}: 12894.5/59$

All: -1.072 ± 0.021 $\chi^2/\text{NDF}: 24422.9/119$

- sign -0.948 ± 0.029 $\chi^2/\text{NDF}: 11489.4/59$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.202 $\pm$ 0.002 χ^2 /NDF: 16253.8/34

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

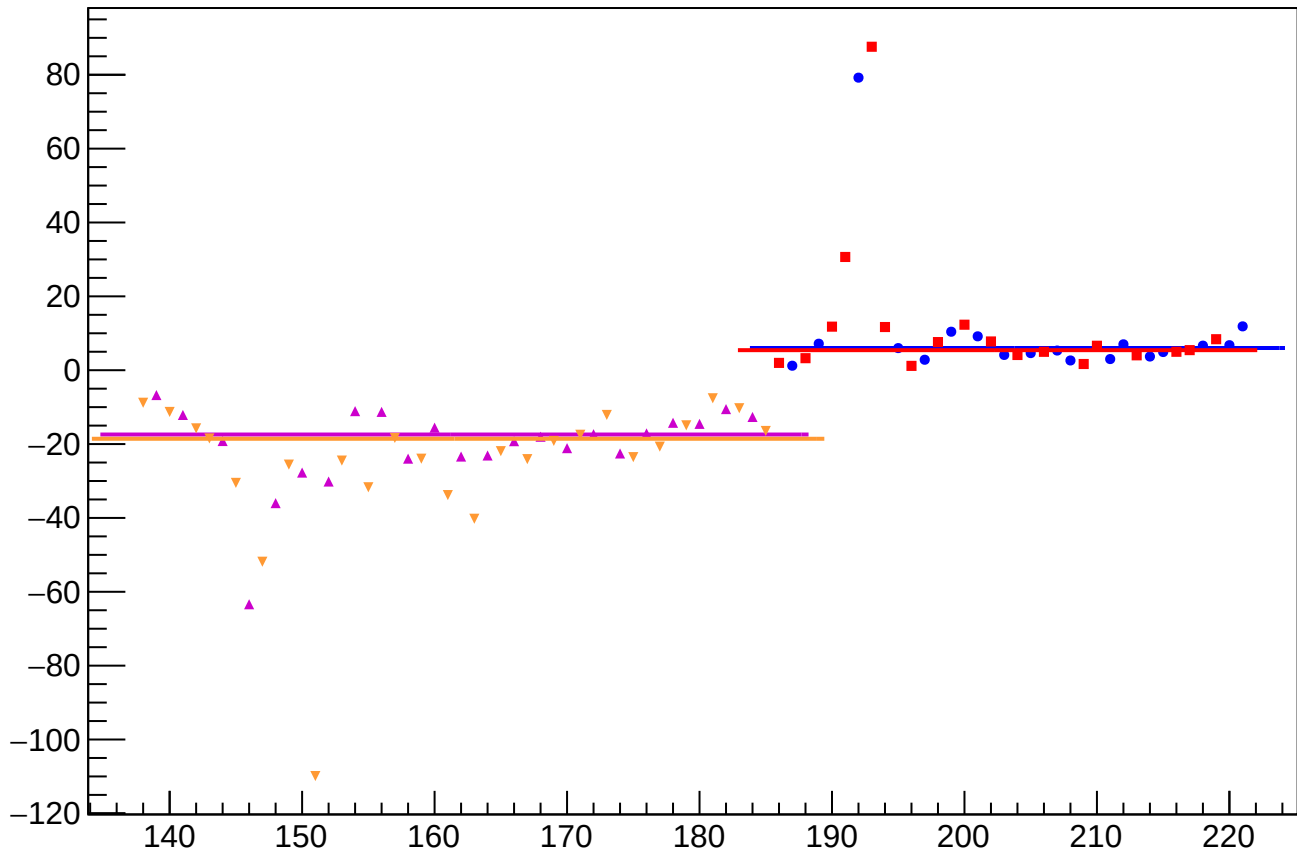
Left In: 0.090 $\pm$ 0.002 χ^2 /NDF: 3676.5/22

+ sign 0.144 $\pm$ 0.001 χ^2 /NDF: 21632.3/59

All: 0.134 $\pm$ 0.001 χ^2 /NDF: 45258.0/119

- sign 0.125 $\pm$ 0.001 χ^2 /NDF: 23522.1/59

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 6.013 ± 0.045 $\chi^2/\text{NDF}: 26487.1/17$

Left Out: -18.566 ± 0.040 $\chi^2/\text{NDF}: 86389.6/24$

Right Out: 5.429 ± 0.046 $\chi^2/\text{NDF}: 26287.2/17$

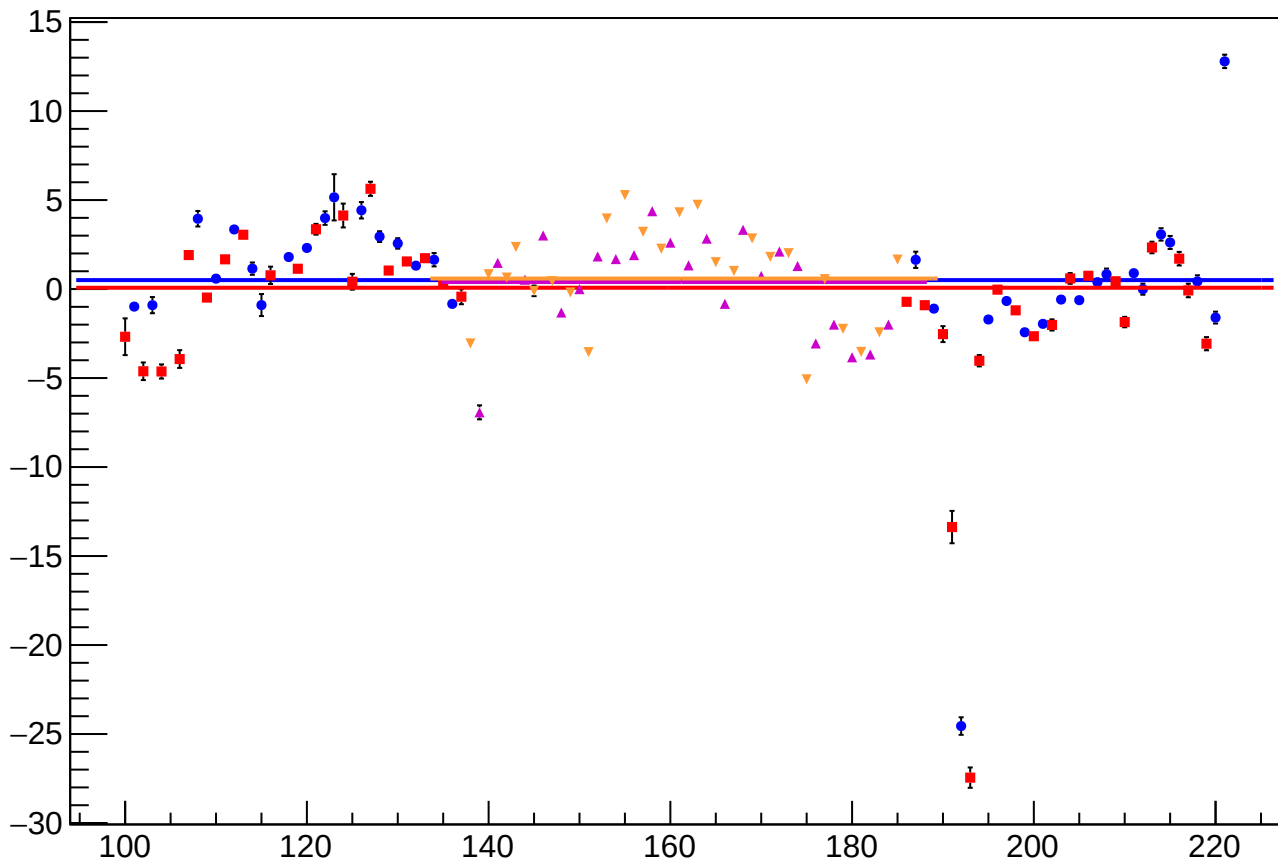
Left In: -17.414 ± 0.039 $\chi^2/\text{NDF}: 43504.1/22$

+ sign -7.797 ± 0.030 $\chi^2/\text{NDF}: 277505.8/42$

All: -7.774 ± 0.021 $\chi^2/\text{NDF}: 490199.6/83$

- sign -7.751 ± 0.030 $\chi^2/\text{NDF}: 212692.6/40$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.502 $\pm$ 0.046 χ^2 /NDF: 5080.2/34

Left Out: 0.591 $\pm$ 0.033 χ^2 /NDF:6796.5/24

Right Out: 0.074 $\pm$ 0.044 χ^2 /NDF: 4397.1/36

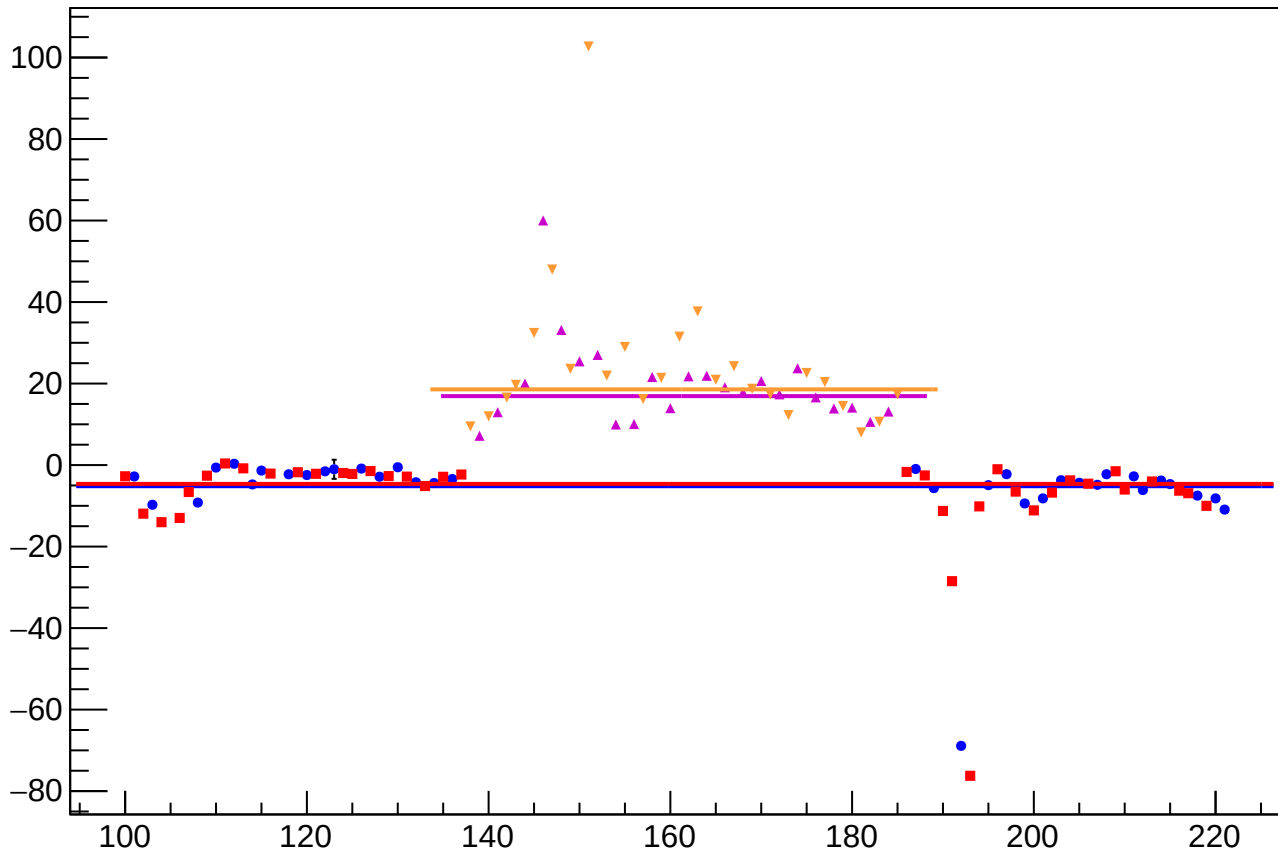
Left In: 0.394 $\pm$ 0.032 χ^2 /NDF:6059.8/22

+ sign 0.560 $\pm$ 0.027 χ^2 /NDF: 11879.1/59

All: 0.417 $\pm$ 0.019 χ^2 /NDF: 22424.6/119

- sign 0.286 $\pm$ 0.026 χ^2 /NDF: 10491.4/59

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.185 ± 0.041 χ^2/NDF : 27396.6/34

Left Out: 18.573 ± 0.040 χ^2/NDF : 76029.9/24

Right Out: -4.621 ± 0.040 χ^2/NDF : 28114.2/36

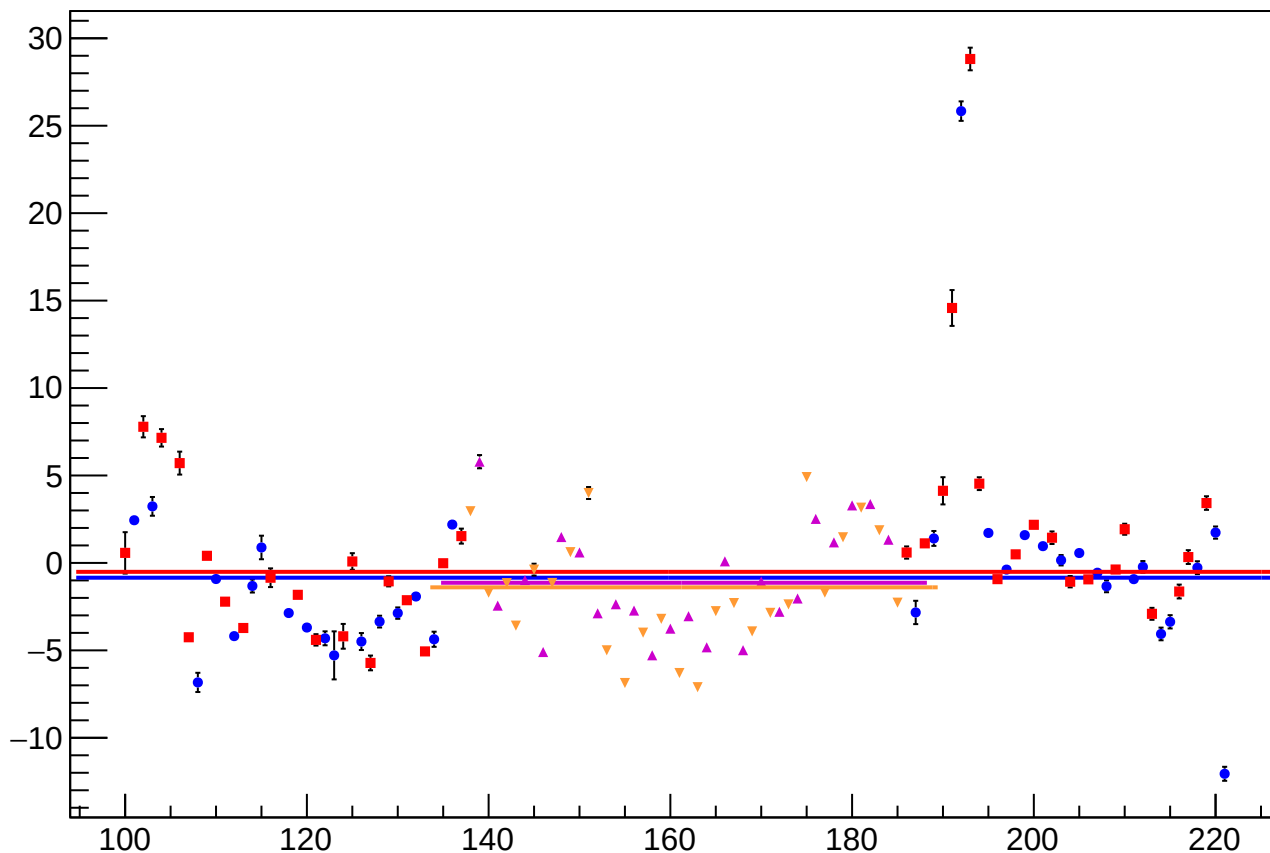
Left In: 16.919 ± 0.039 χ^2/NDF : 40154.5/22

+ sign 6.992 ± 0.029 χ^2/NDF : 273169.5/59

All: 6.660 ± 0.020 χ^2/NDF : 492058.8/119

- sign 6.352 ± 0.028 χ^2/NDF : 218633.2/59

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.845 ± 0.052 χ^2/NDF : 4893.0/34

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.510 ± 0.051 χ^2/NDF : 4634.0/36

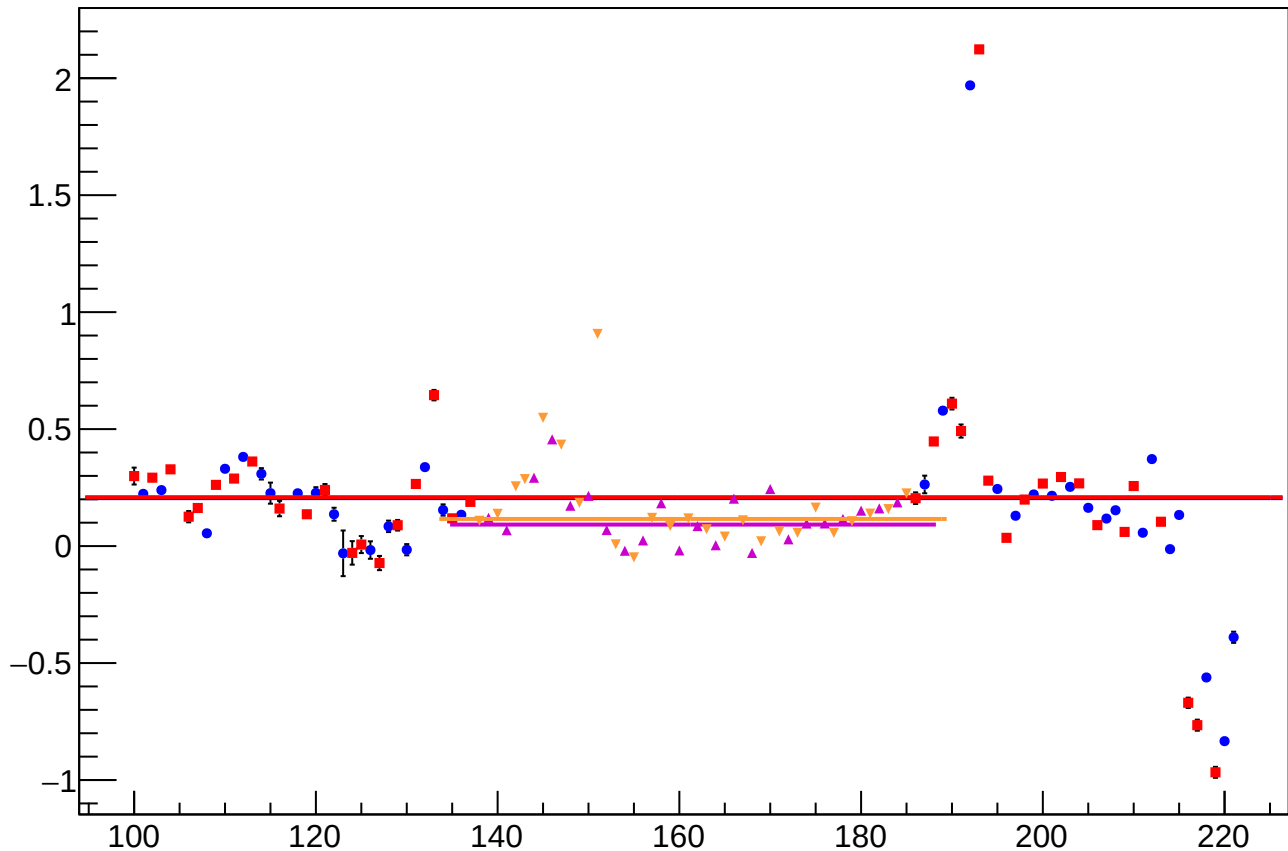
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.214 ± 0.030 χ^2/NDF : 12618.4/59

All: -1.068 ± 0.021 χ^2/NDF : 23996.1/119

- sign -0.934 ± 0.029 χ^2/NDF : 11332.9/59

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.002 χ^2 /NDF: 15947.4/34

Left Out: 0.116 $\pm$ 0.002 χ^2 /NDF: 4463.0/24

Right Out: 0.209 $\pm$ 0.002 χ^2 /NDF: 17640.3/36

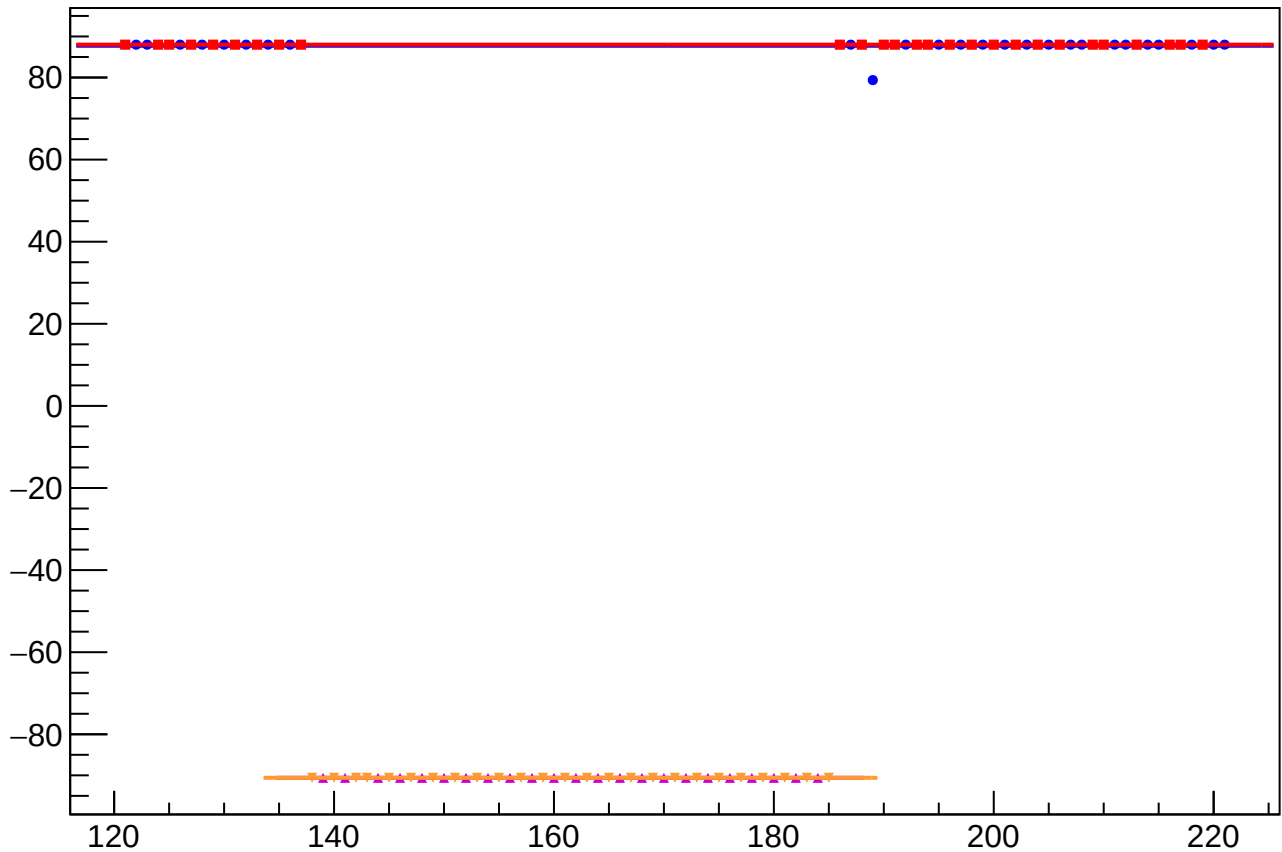
Left In: 0.092 $\pm$ 0.002 χ^2 /NDF: 3631.4/22

+ sign 0.145 $\pm$ 0.001 χ^2 /NDF: 21364.0/59

All: 0.136 $\pm$ 0.001 χ^2 /NDF: 44463.8/119

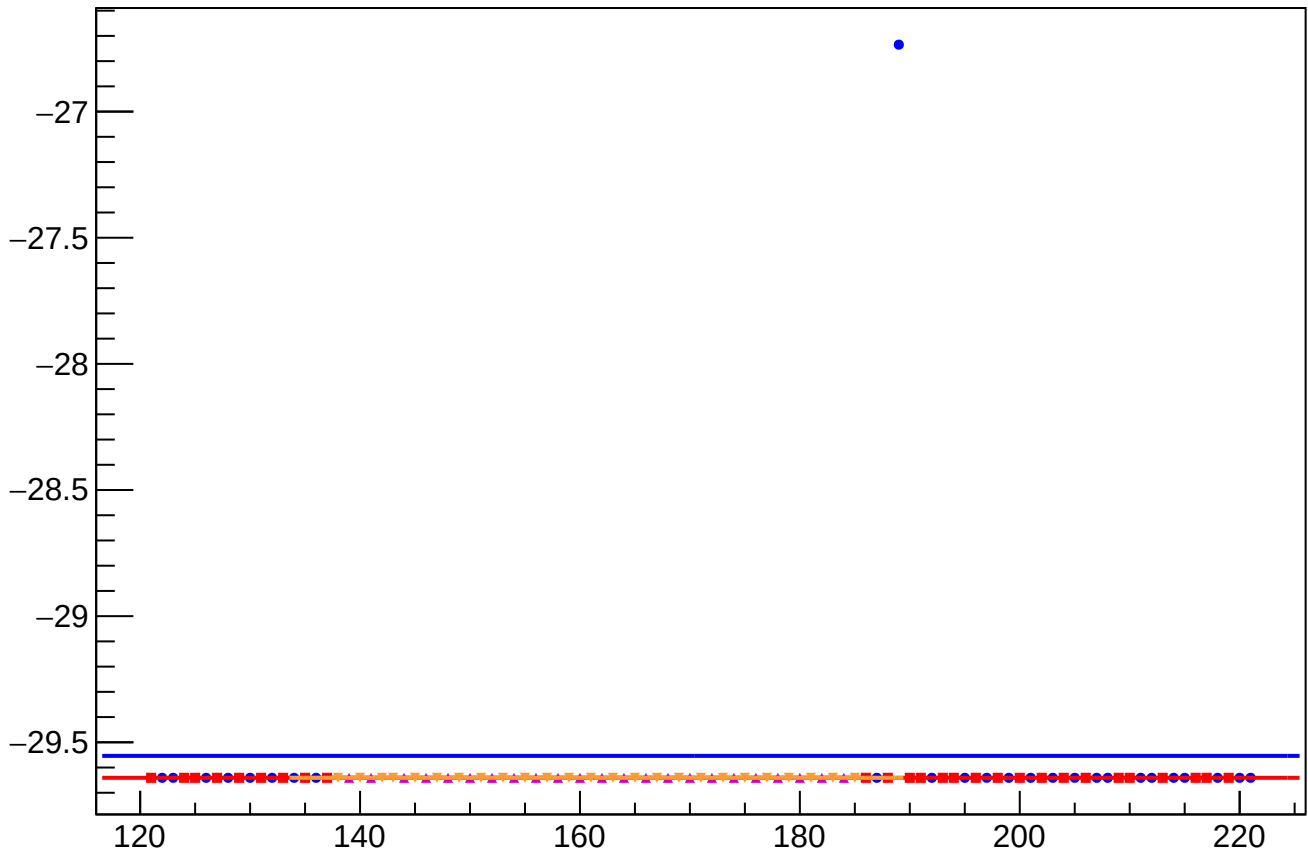
- sign 0.128 $\pm$ 0.001 χ^2 /NDF: 23012.8/59

VWienAngle_mean vs Slug



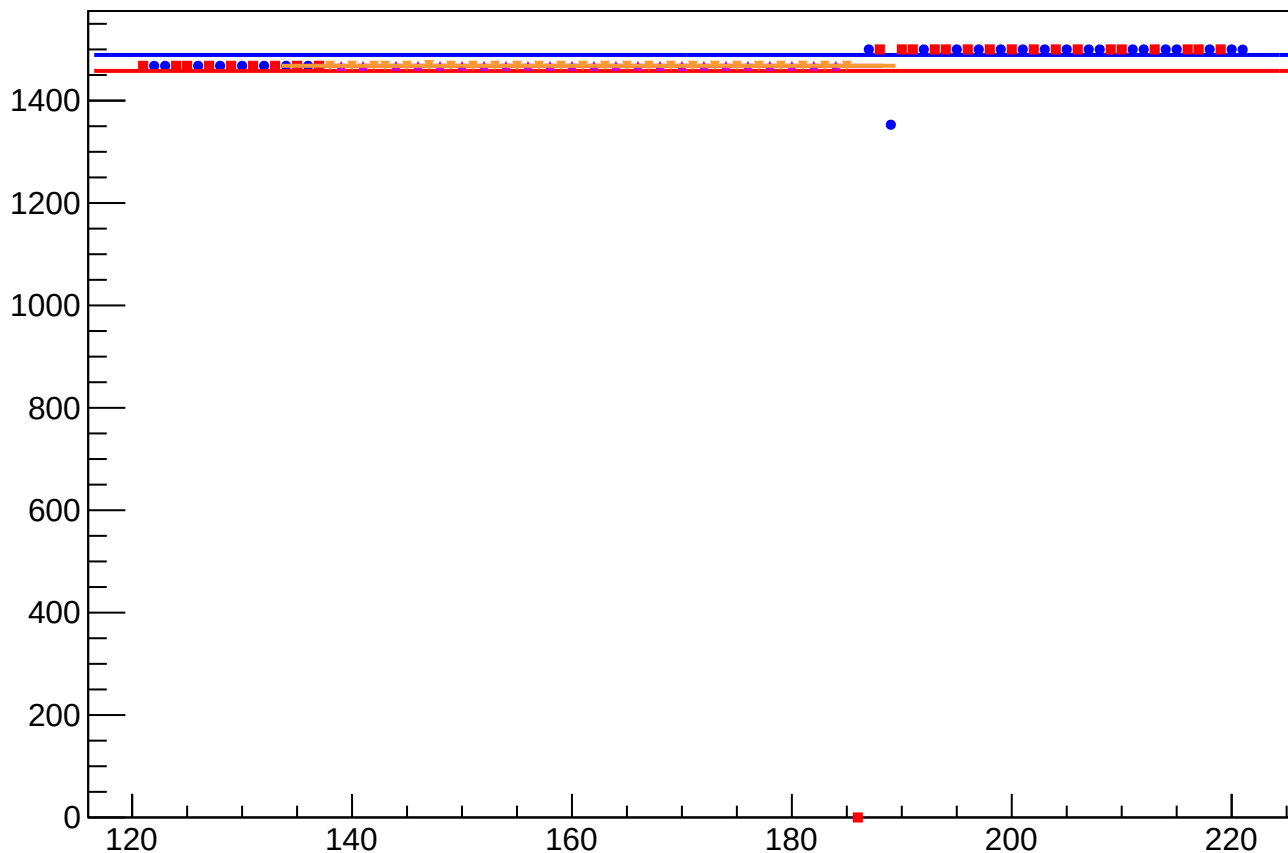
Right In: 87.743+/-0.000	χ^2/NDF : 3682588891759479443677208448598016.0/25	+ sign -6.485+/-0.000	χ^2/NDF : 2865577809106130
Left Out: -90.599+/-0.000	χ^2/NDF : 6053403.0/24	All: -6.636+/-0.000	χ^2/NDF : 5576183707820
Right Out: 88.001+/-0.000	χ^2/NDF : 1624472.9/26	- sign -6.795+/-0.000	χ^2/NDF : 27105889830468914
Left In: -90.599+/-0.000	χ^2/NDF : 5932436.0/22		

HWienAngle_mean vs Slug



Right In: -29.554+/-0.000 χ^2/NDF : 417789920075088245460483488874496.0/25
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24 + sign -29.600+/-0.000 χ^2/NDF : 424596323615774
Right Out: -29.641+/-0.000 χ^2/NDF : 1635920.8/26 All: -29.620+/-0.000 χ^2/NDF : 427546498620
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: 1489.214+/-0.000 χ^2/NDF : 1252174697287445862370957372155756544.0/25

Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24

Right Out: 1458.058+/-0.000 χ^2/NDF : 83007557534286417755834562519731535872.0/26

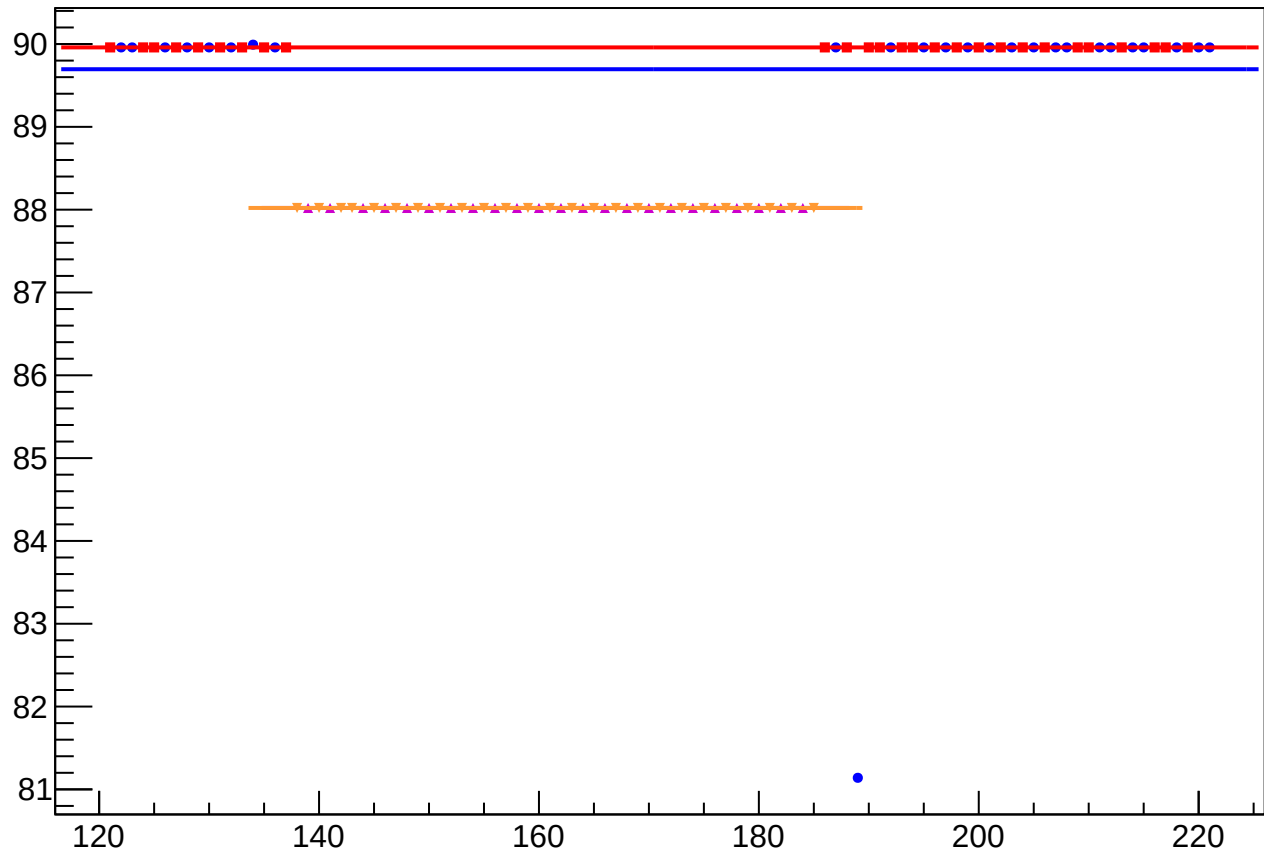
Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

+ sign 1478.031+/-0.000 χ^2/NDF : 16558887388733

All: 1470.893+/-0.000 χ^2/NDF : 85126598225

- sign 1463.331+/-0.000 χ^2/NDF : 83091449510085

Phi_FG_mean vs Slug



Right In: 89.696+/-0.000 χ^2/NDF : 3848725509297740158888332444565504.0/25

Left Out: 88.021+/-0.000 χ^2/NDF : 5326388.8/24

Right Out: 89.959+/-0.000 χ^2/NDF : 4758913.9/26

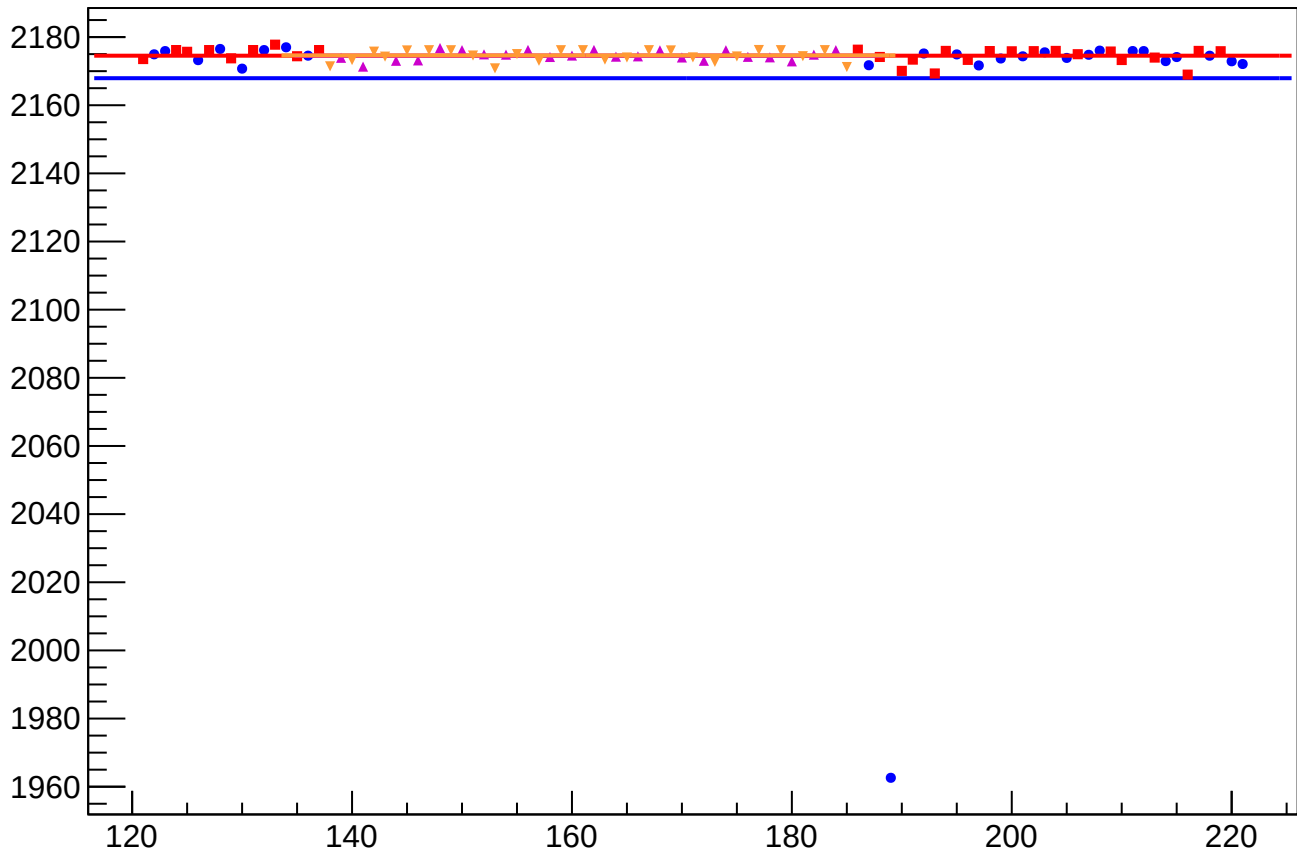
Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22

+ sign 88.811+/-0.000 χ^2/NDF : 6376730217225780

All: 88.869+/-0.000 χ^2/NDF : 9595368686491

- sign 88.930+/-0.000 χ^2/NDF : 3193554824745045

HALLA_p_mean vs Slug



Right In: 2167.934+/-0.000 χ^2/NDF : 2219839644995694630990888960243269632.0/25

Left Out: 2174.622+/-0.000 χ^2/NDF : 5110578135476093110874911595823104.0/24

Right Out: 2174.538+/-0.000 χ^2/NDF : 7287483634271028865642845219848192.0/26

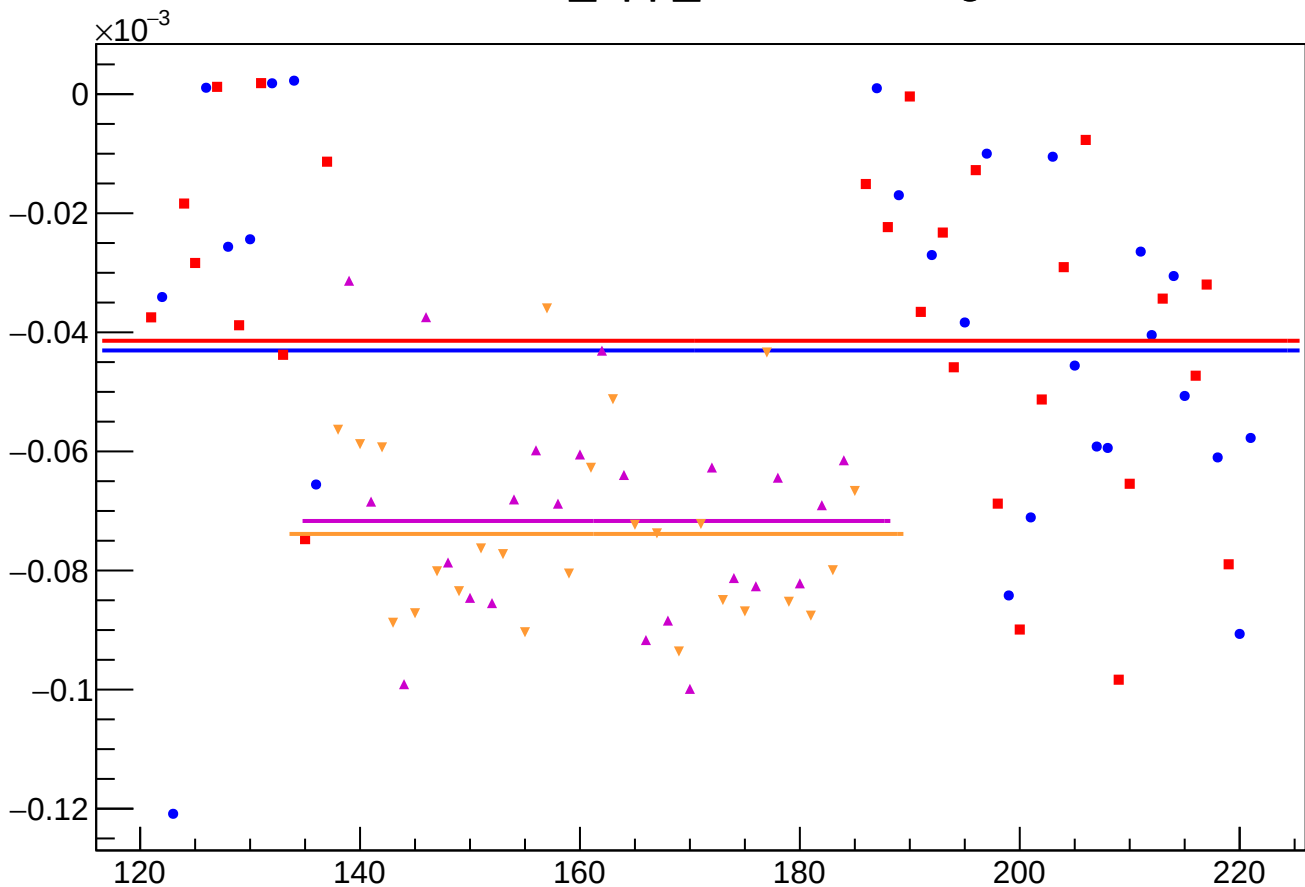
Left In: 2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2171.468+/-0.000 χ^2/NDF : 22652387812192

All: 2172.959+/-0.000 χ^2/NDF : 2292478166

- sign 2174.539+/-0.000 χ^2/NDF : 10688226820156

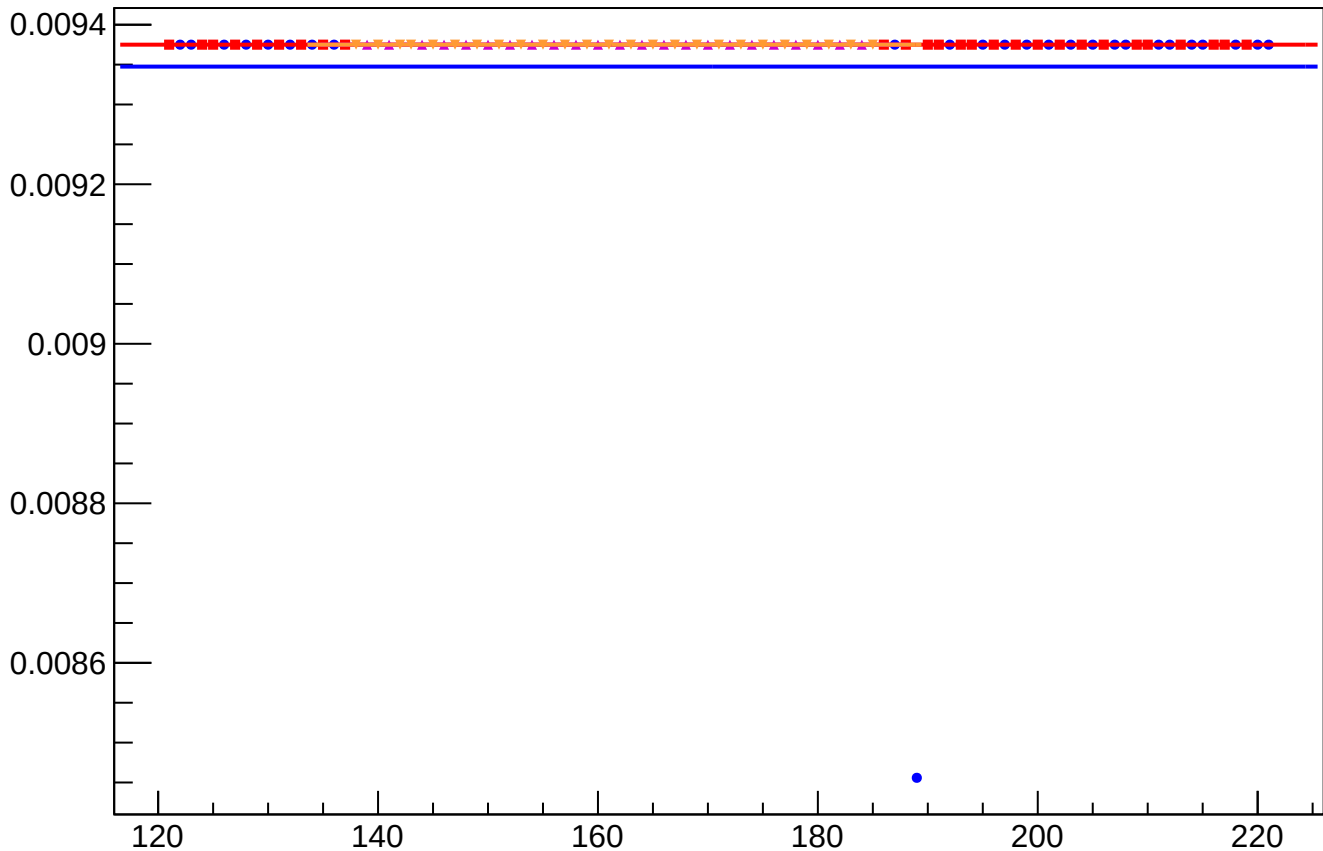
HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 1101987240659252536147968.0/25$
 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 $\chi^2/\text{NDF}: 2407737123627913$
 All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 5001330937600$
 - sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 25876189080683543$

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41794920864238976500760576.0/25

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/26

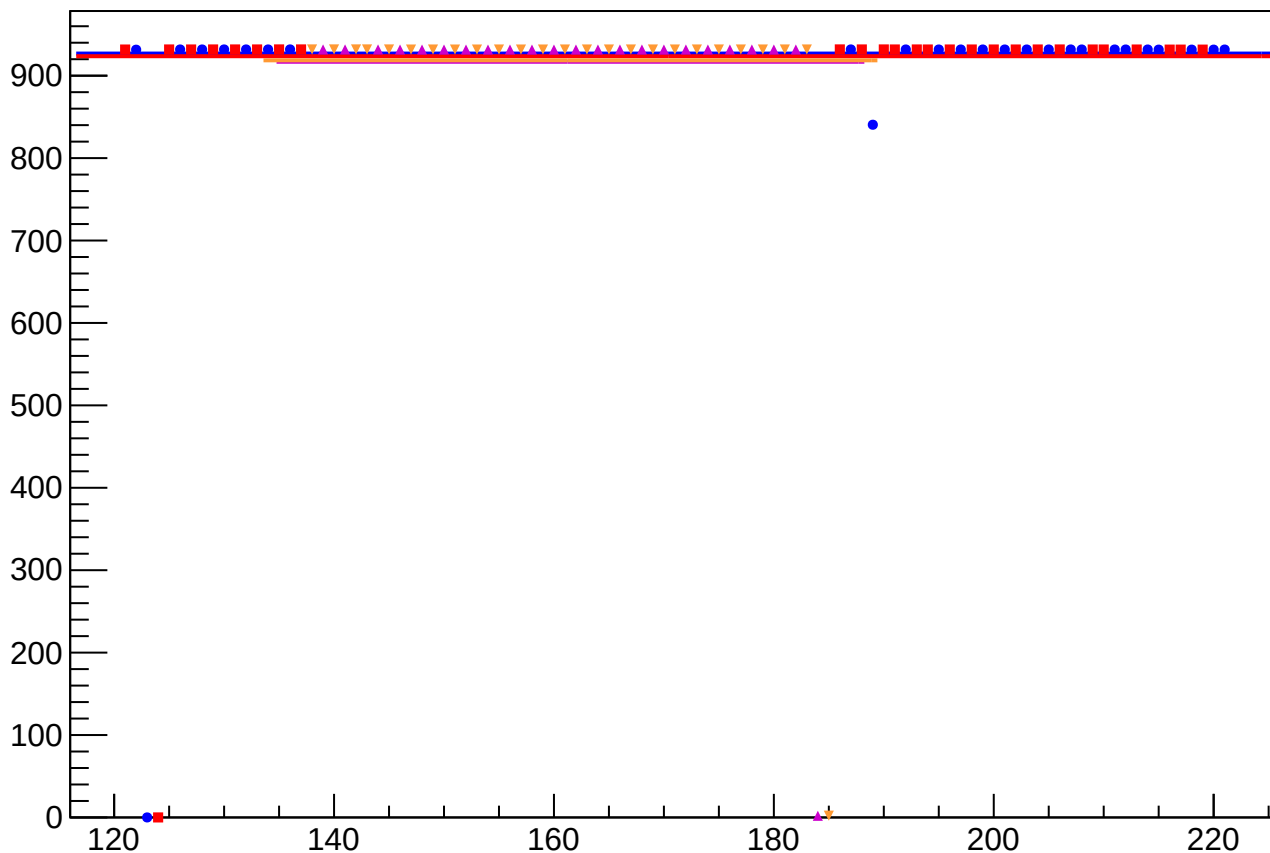
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42475820722478599

All: 0.009+/-0.000 χ^2/NDF : 42770950702750

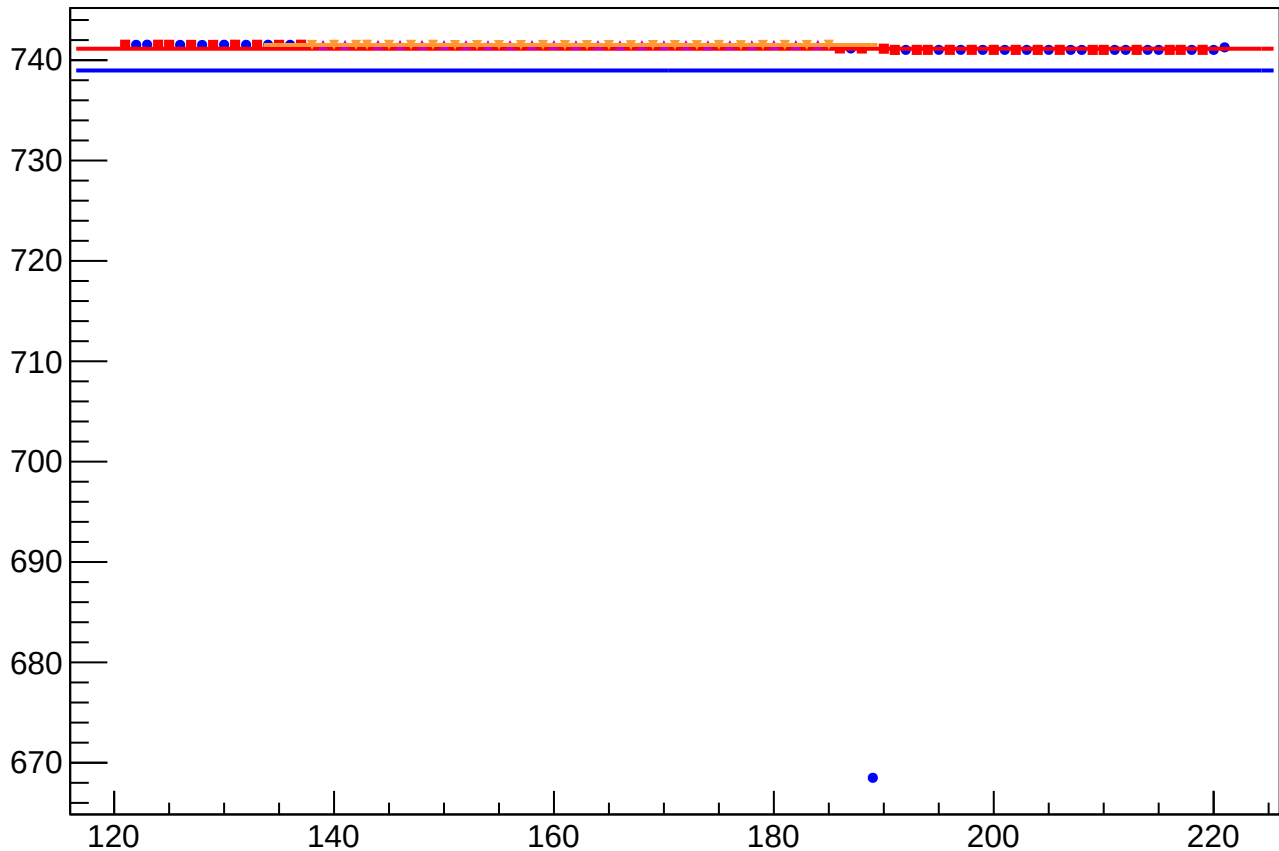
- sign 0.009+/-0.000 χ^2/NDF : 0.2/49

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 926.842 $\pm$ 0.000	χ^2 /NDF: 3856062543284689359048090825621766144.0/25	+ sign 922.511 $\pm$ 0.000	χ^2 /NDF: 269200884085730
Left Out: 918.645 $\pm$ 0.000	χ^2 /NDF: 23003498704056084939752432521336324096.0/24	All: 921.316 $\pm$ 0.000	χ^2 /NDF: 636847990718
Right Out: 923.623 $\pm$ 0.000	χ^2 /NDF: 12047653448681008205248449089676247040.0/26	- sign 920.049 $\pm$ 0.000	χ^2 /NDF: 367540758573190
Left In: 916.890 $\pm$ 0.000	χ^2 /NDF: 24667894917476231250286944388888133632.0/22		

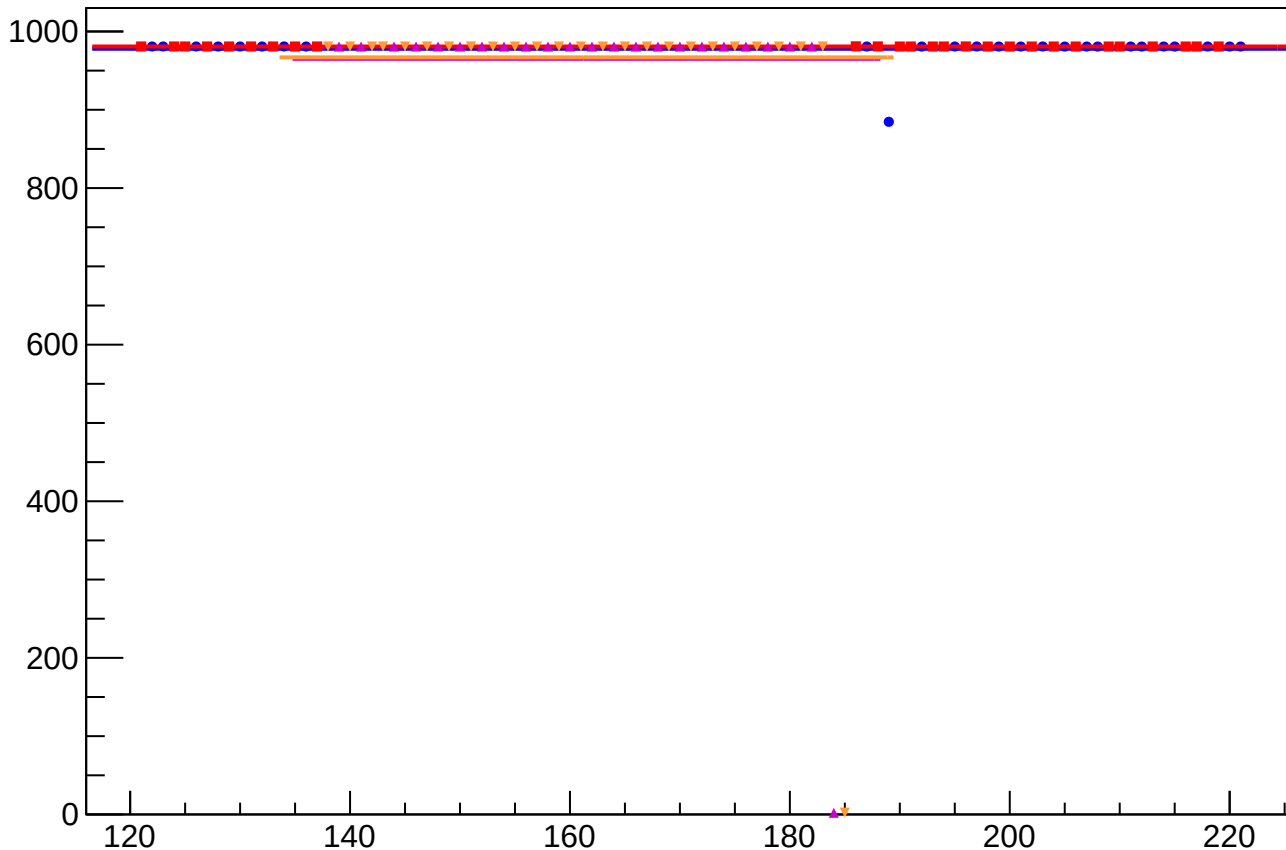
HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 738.971+/-0.000 χ^2/NDF : 261148903853801068794384966947438592.0/25
Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24
Right Out: 741.140+/-0.000 χ^2/NDF : 62390899526182309743103892783104.0/26
Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22

+ sign 740.314+/-0.000 χ^2/NDF : 266968727397924
All: 740.811+/-0.000 χ^2/NDF : 26898754328
- sign 741.337+/-0.000 χ^2/NDF : 180585915947784

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.932 $\pm$ 0.000 χ^2 /NDF: 457558497984735009745600284668723200.0/25

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

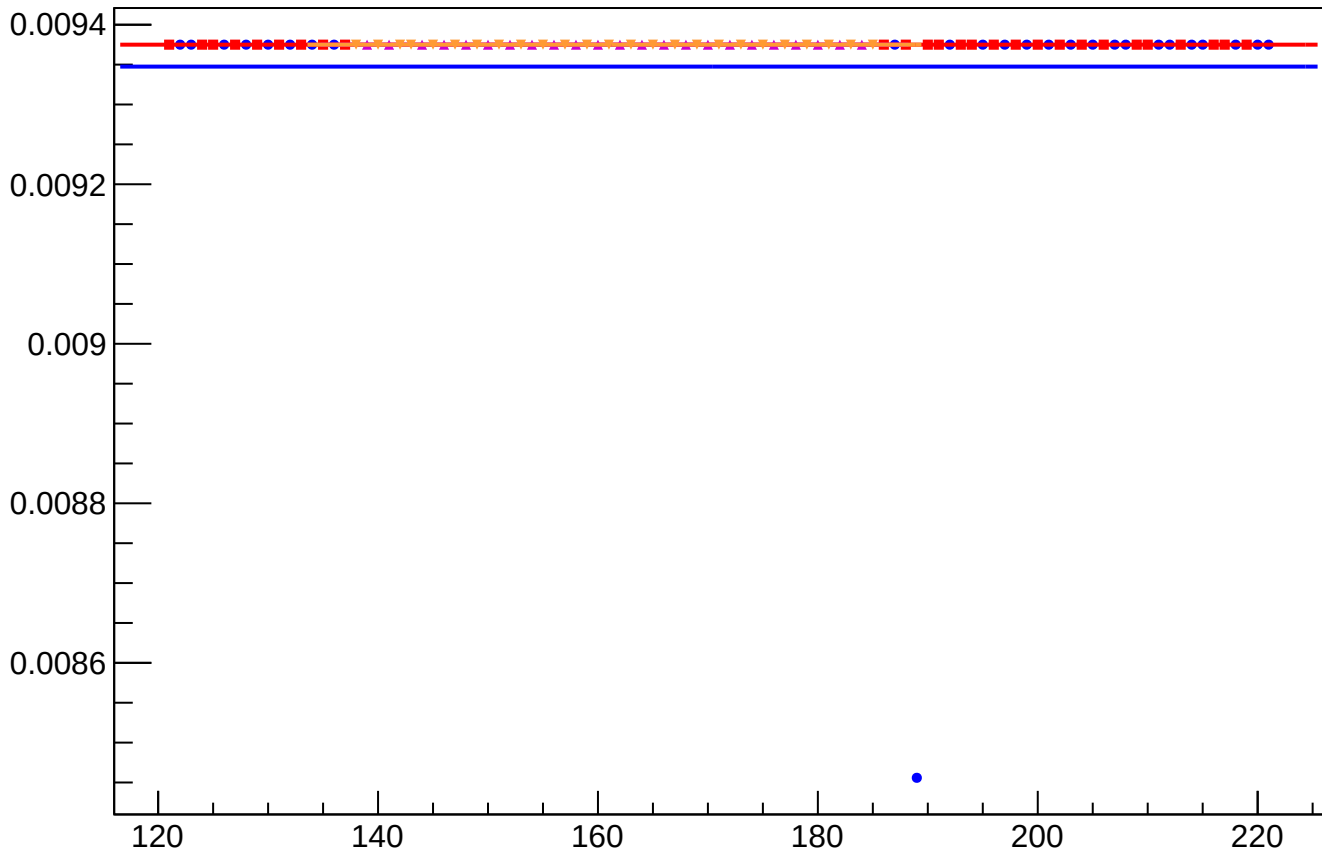
Left In: 965.102 $\pm$ 0.000 χ^2 /NDF: 27330319430012441419356351914146004992.0/22

+ sign 972.122 $\pm$ 0.000 χ^2 /NDF: 260520555056367

All: 972.294 $\pm$ 0.000 χ^2 /NDF: 535924229518

- sign 972.475 $\pm$ 0.000 χ^2 /NDF: 275401483545918

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41794920864238976500760576.0/25

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/26

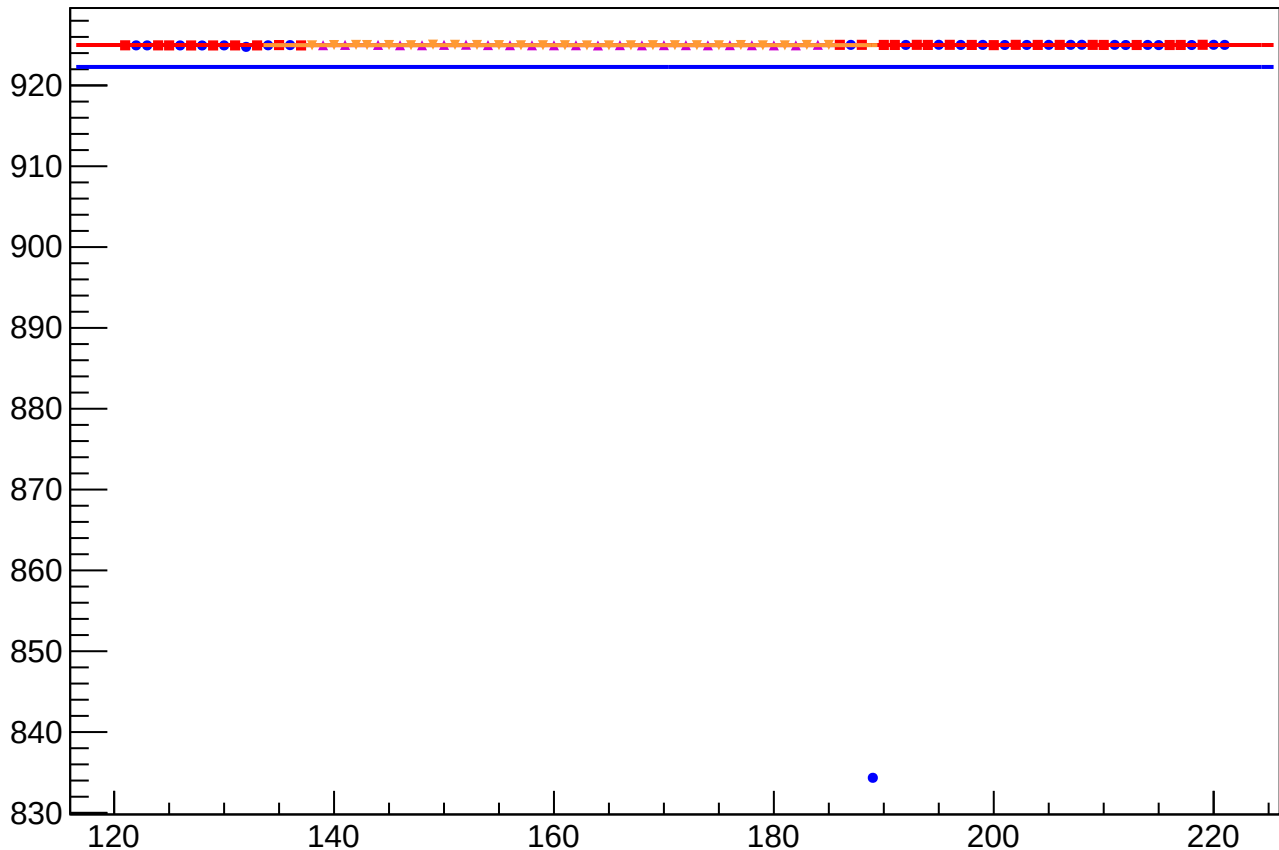
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42475820722478599

All: 0.009+/-0.000 χ^2/NDF : 42770950702750

- sign 0.009+/-0.000 χ^2/NDF : 0.2/49

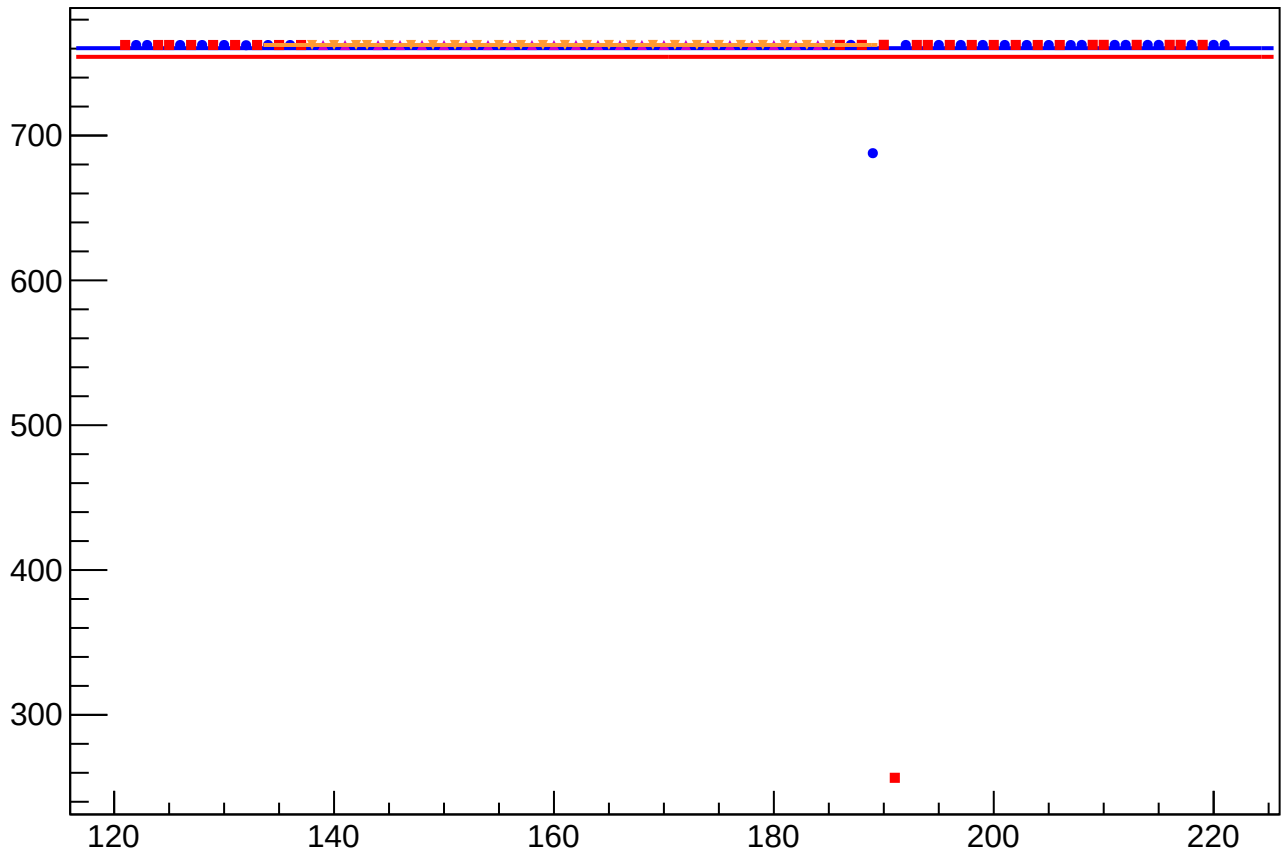
HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 922.285+/-0.000 χ^2/NDF : 406612005254480811470176495234711552.0/25
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

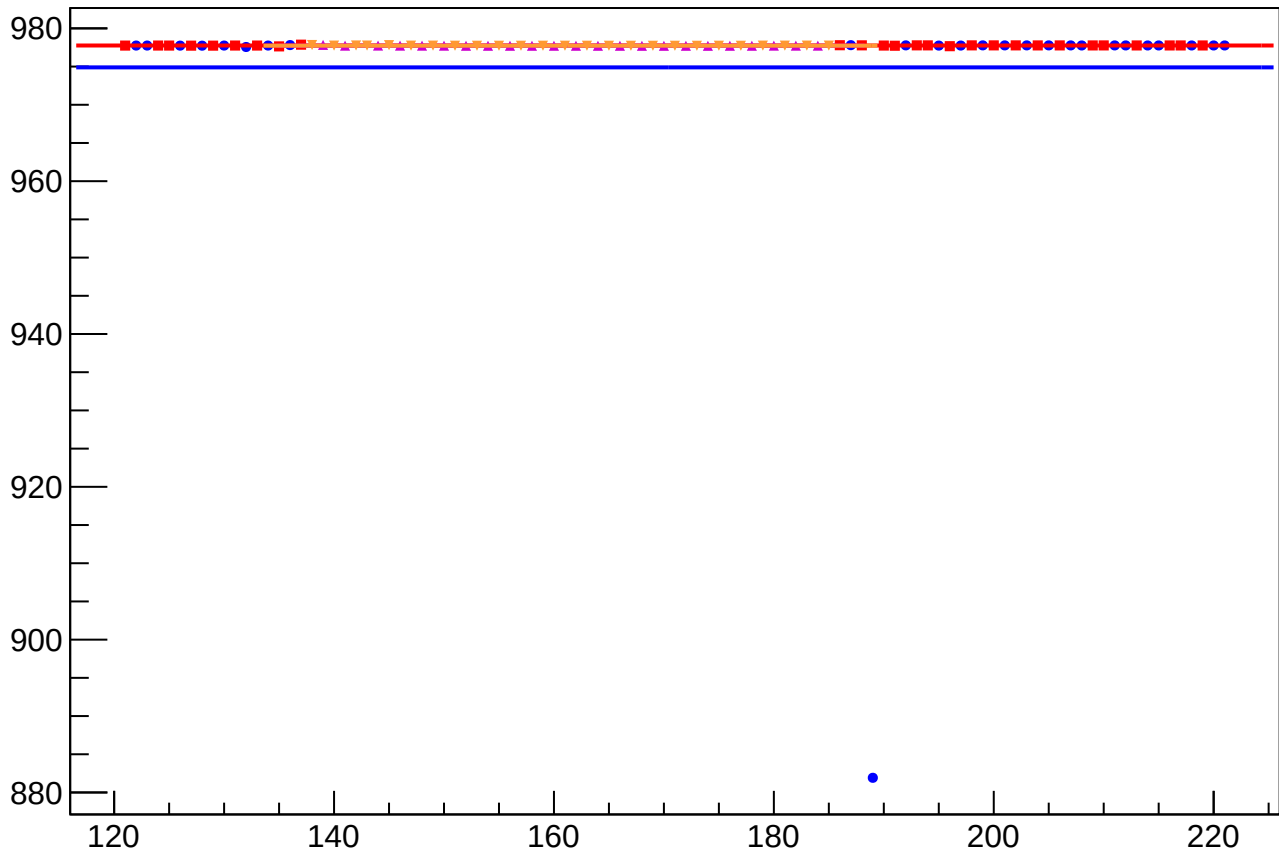
+ sign 923.710+/-0.000 χ^2/NDF : 413166690874792
All: 924.332+/-0.000 χ^2/NDF : 416047444240
- sign 924.991+/-0.000 χ^2/NDF : 209385671534519

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 760.311+/-0.000 χ^2/NDF : 276335745240541217446448140013010944.0/25
 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: 760.117+/-0.000 χ^2/NDF : 690018666176
 + sign 761.477+/-0.000 χ^2/NDF : 280726185581631
 - sign 758.675+/-0.000 χ^2/NDF : 660567573307047

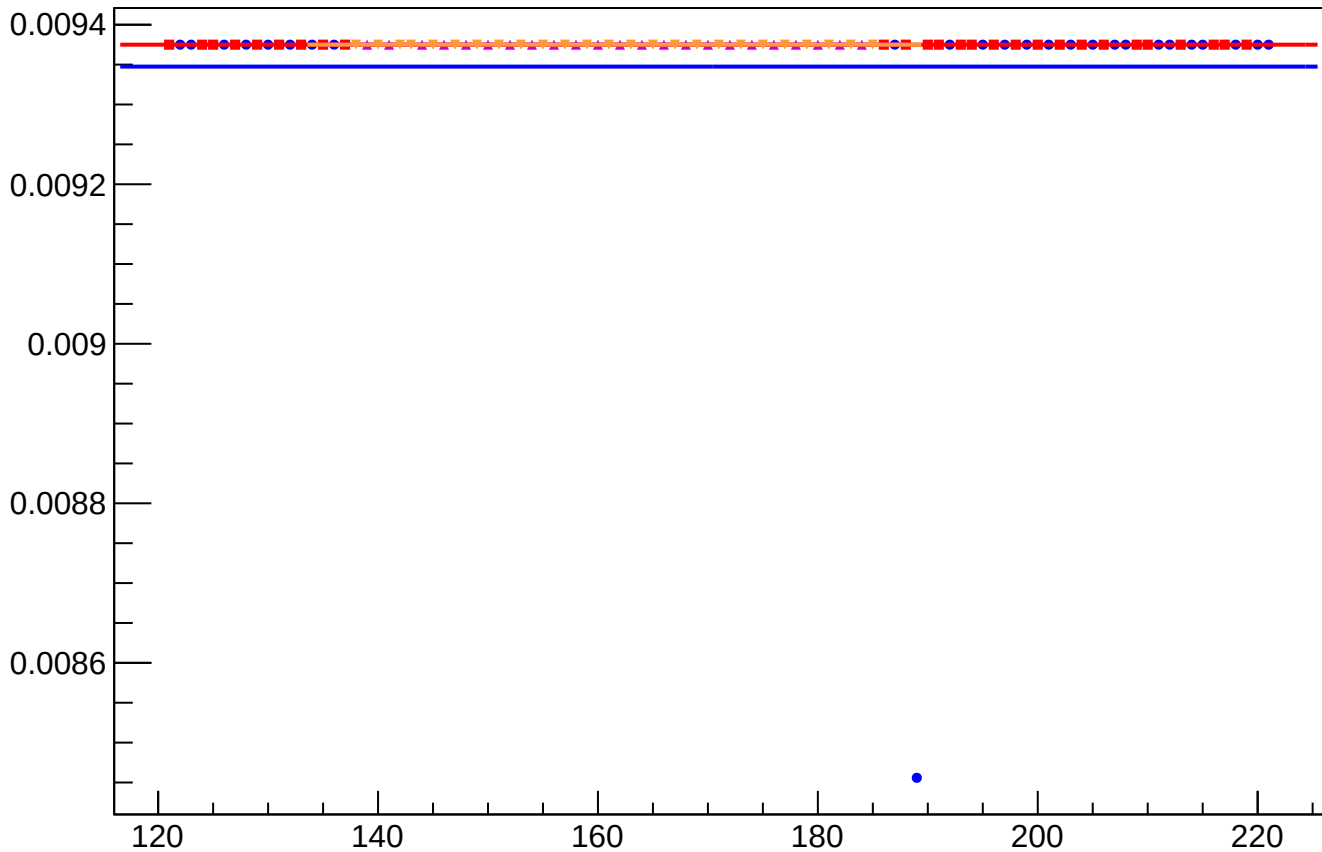
HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 974.894+/-0.000 χ^2/NDF : 454449478182273816096111713578909696.0/25
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 976.396+/-0.000 χ^2/NDF : 461735464115465
All: 977.051+/-0.000 χ^2/NDF : 464932926614
- sign 977.745+/-0.000 χ^2/NDF : 327456475075925

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41794920864238976500760576.0/25

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/26

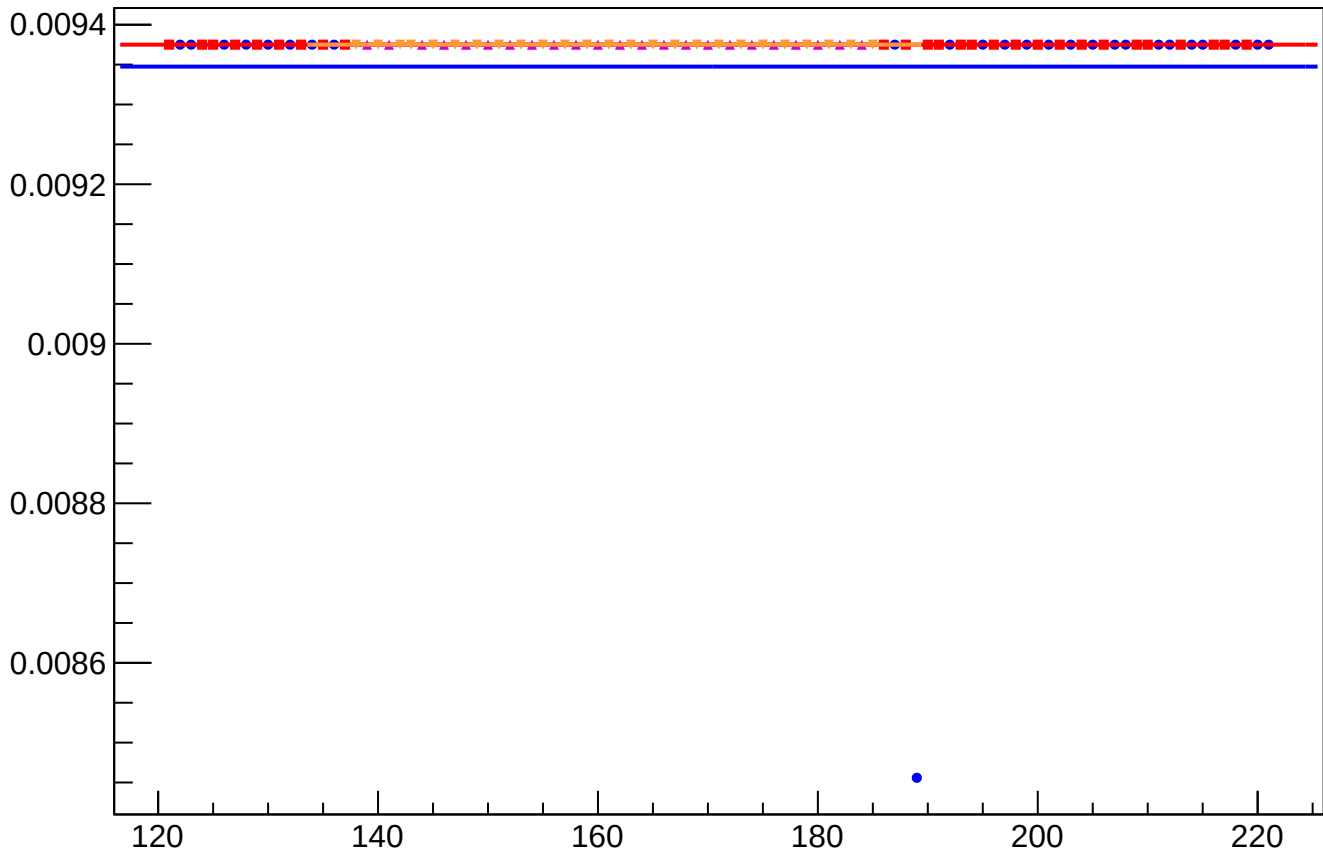
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42475820722478599

All: 0.009+/-0.000 χ^2/NDF : 42770950702750

- sign 0.009+/-0.000 χ^2/NDF : 0.2/49

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41794920864238976500760576.0/25

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/26

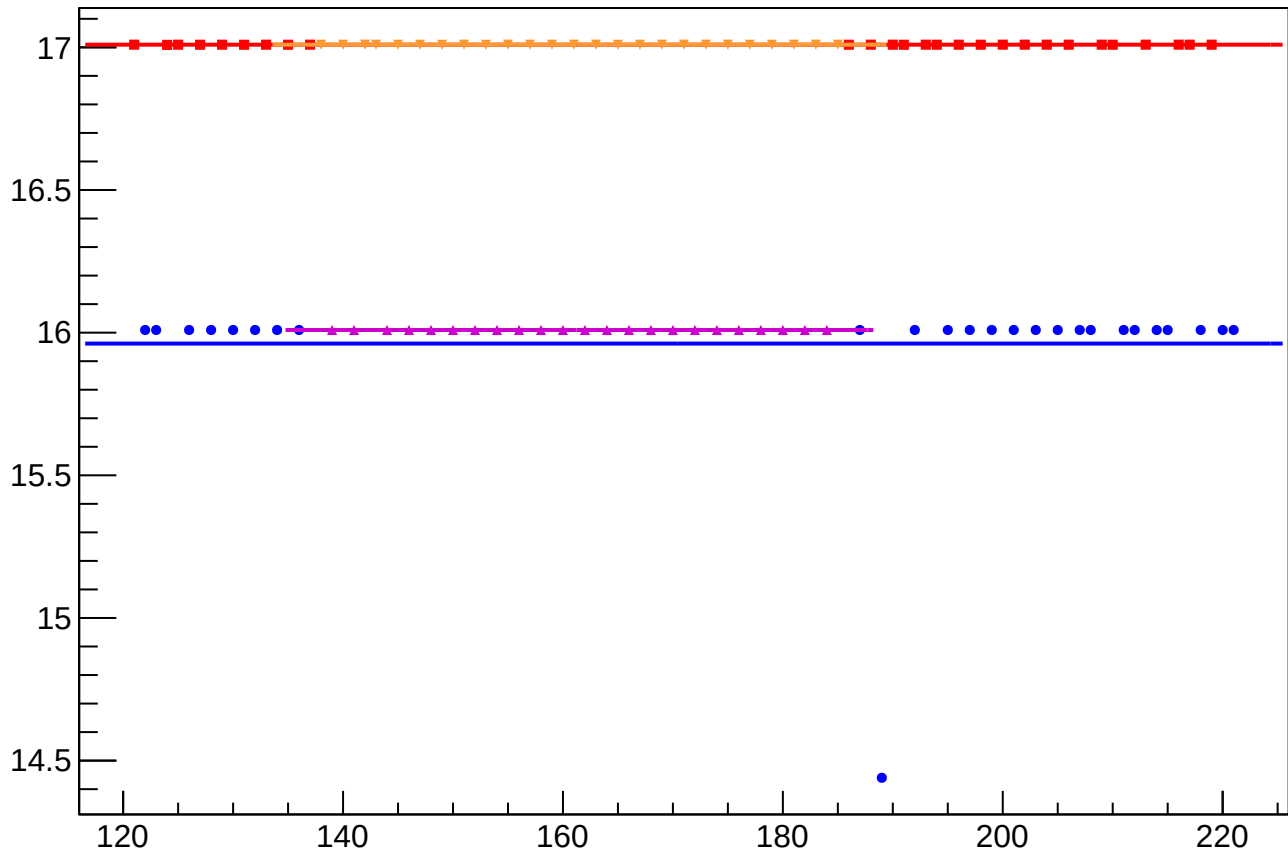
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42475820722478599

All: 0.009+/-0.000 χ^2/NDF : 42770950702750

- sign 0.009+/-0.000 χ^2/NDF : 0.2/49

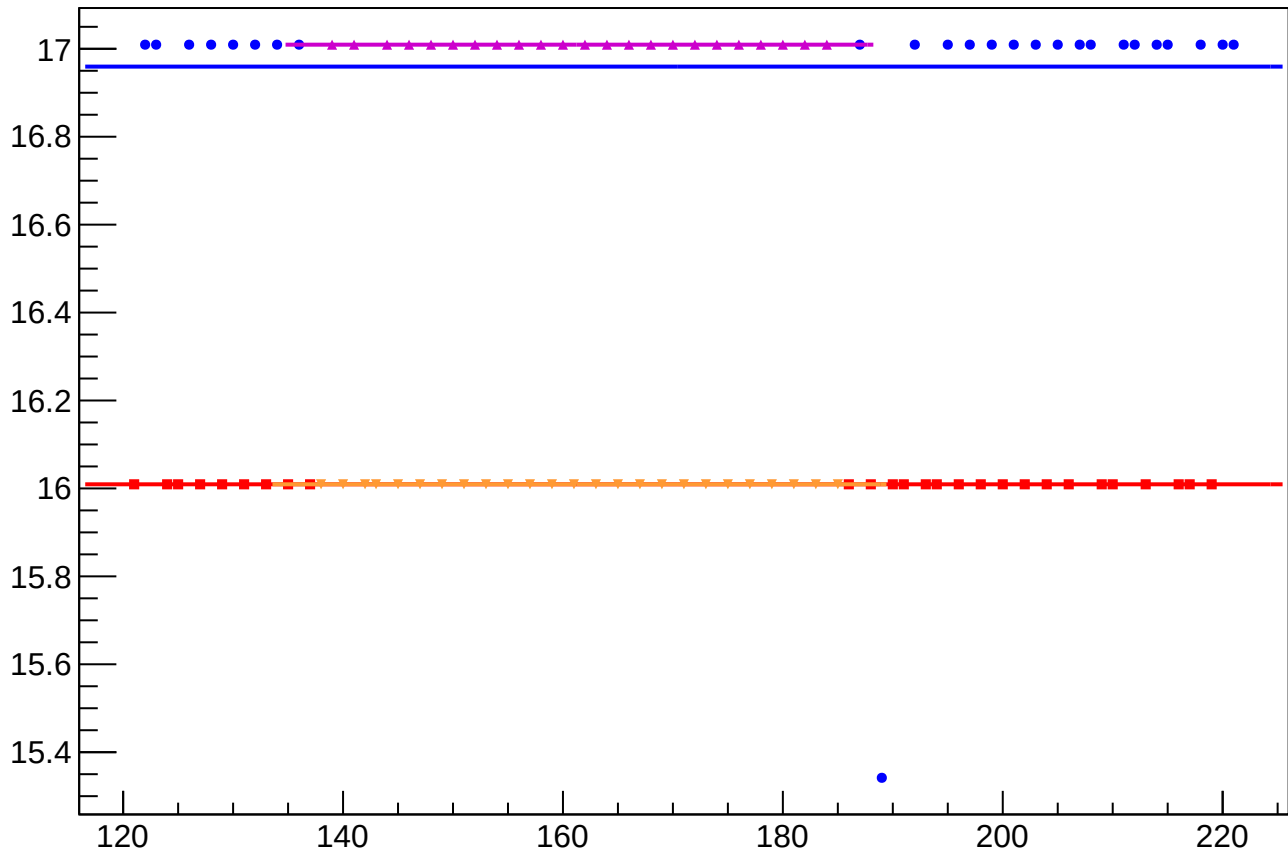
IGL1I00DI24_24M_mean vs Slug



Right In: 15.962 $\pm$ 0.000 χ^2 /NDF: 121819994942730203555189898608640.0/25
 Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26284444608576238643052544.0/24
 Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 18464155514781331791806464.0/26
 Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127973174512756677672960.0/22

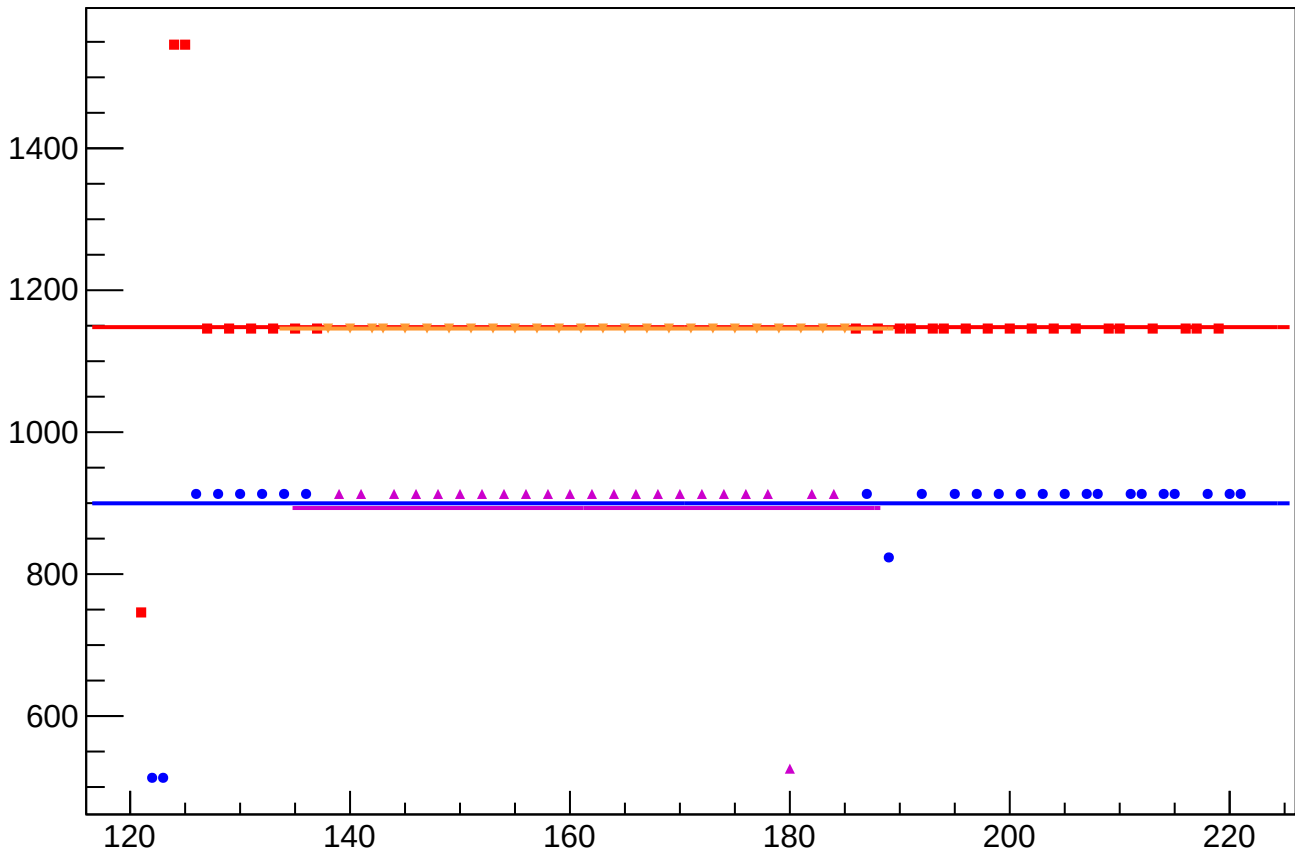
+ sign 16.500 $\pm$ 0.000 χ^2 /NDF: 1068700261384489
 All: 16.497 $\pm$ 0.000 χ^2 /NDF: 1884913542793
 - sign 16.494 $\pm$ 0.000 χ^2 /NDF: 8161589170260634

IGL1I00OD16_16_mean vs Slug



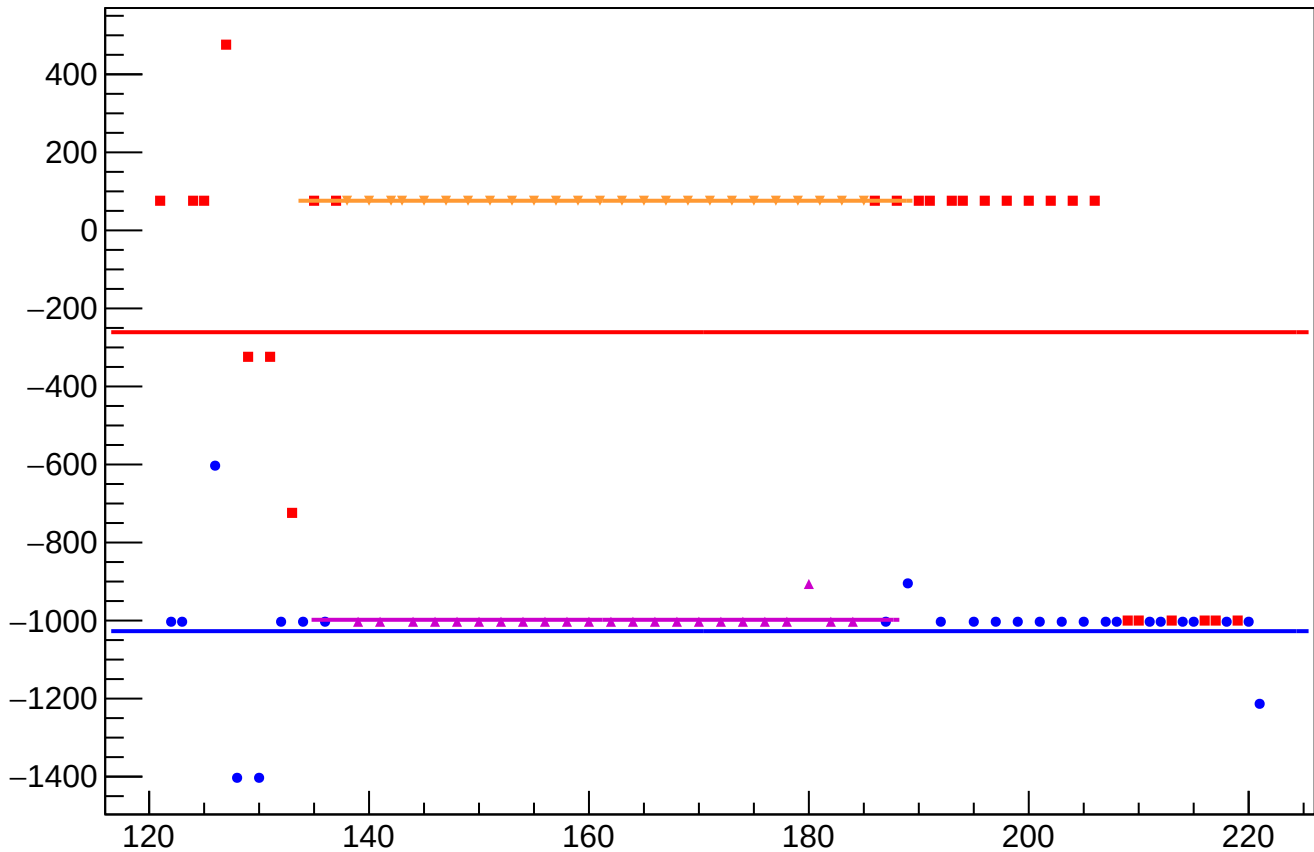
Right In: 16.959+/-0.000	χ^2/NDF : 137579657750167462864864910770176.0/25	+ sign 16.460+/-0.000	χ^2/NDF : 9459324287177176
Left Out: 16.009+/-0.000	χ^2/NDF : 89740.8/24	All: 16.496+/-0.000	χ^2/NDF : 1795017364173
Right Out: 16.009+/-0.000	χ^2/NDF : 253331.6/26	- sign 16.534+/-0.000	χ^2/NDF : 8397255699869357
Left In: 17.009+/-0.000	χ^2/NDF : 115033472633445654986752.0/22		

RTPAPOSUCNT_mean vs Slug



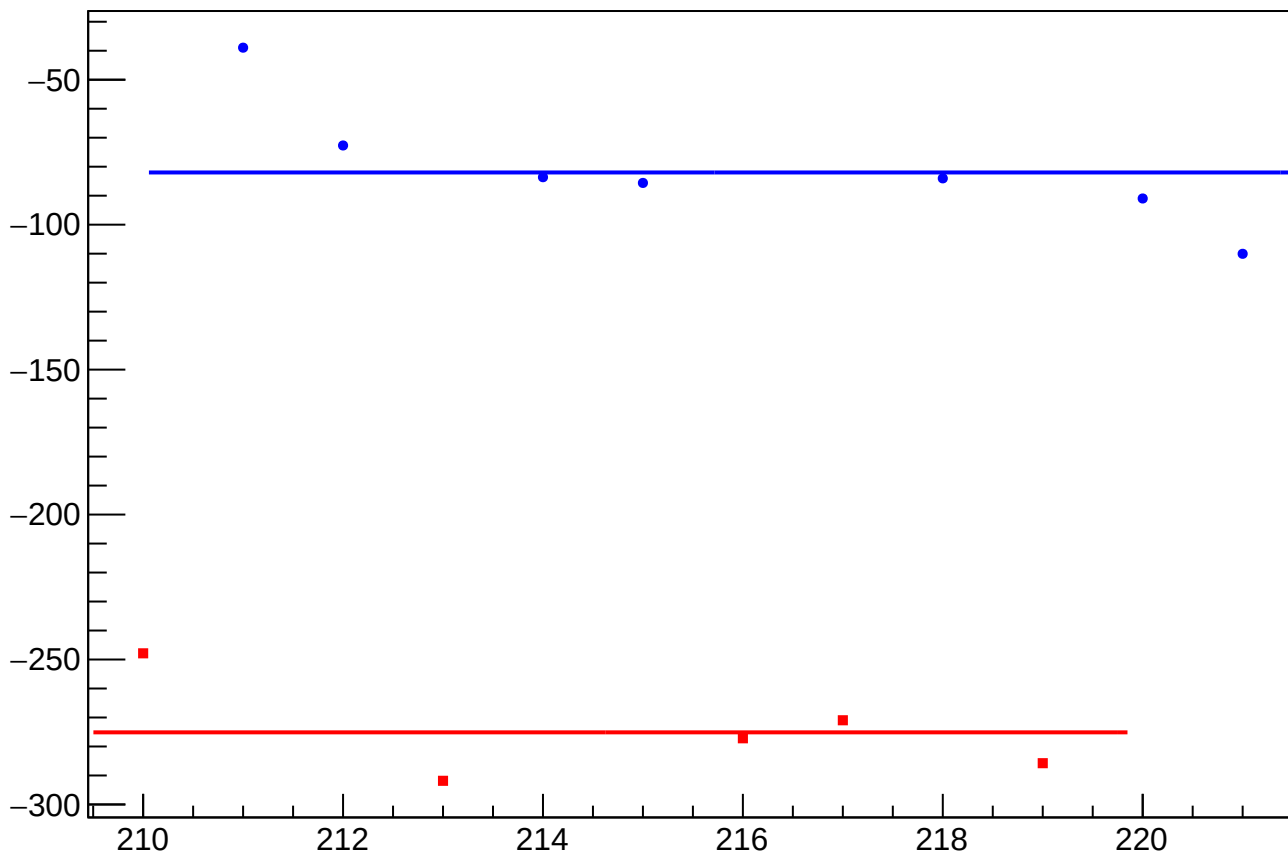
Right In: 899.759+/-0.000 χ^2/NDF : 7310031348023830234312566084389044224.0/25
 Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24
 Right Out: 1148.009+/-0.000 χ^2/NDF : 13754271185883278485733122331782414336.0/26
 Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1027.142 ± 0.000 χ^2/NDF : 26946866227353315433142559360734461952.0/25
 Left Out: 76.011 ± 0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: -260.938 ± 0.000 χ^2/NDF : 393215478595281931183613211087833399296.0/26
 Left In: -998.020 ± 0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22
 All: -545.222 ± 0.000 χ^2/NDF : 20547868734
 + sign -444.286 ± 0.000 χ^2/NDF : 11232246777492
 - sign -652.162 ± 0.000 χ^2/NDF : 85571245030225

RTPPITA1CNT_mean vs Slug



Right In: -81.993+/-0.000 χ^2/NDF : 232965807440114543061160692918779904.0/6

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

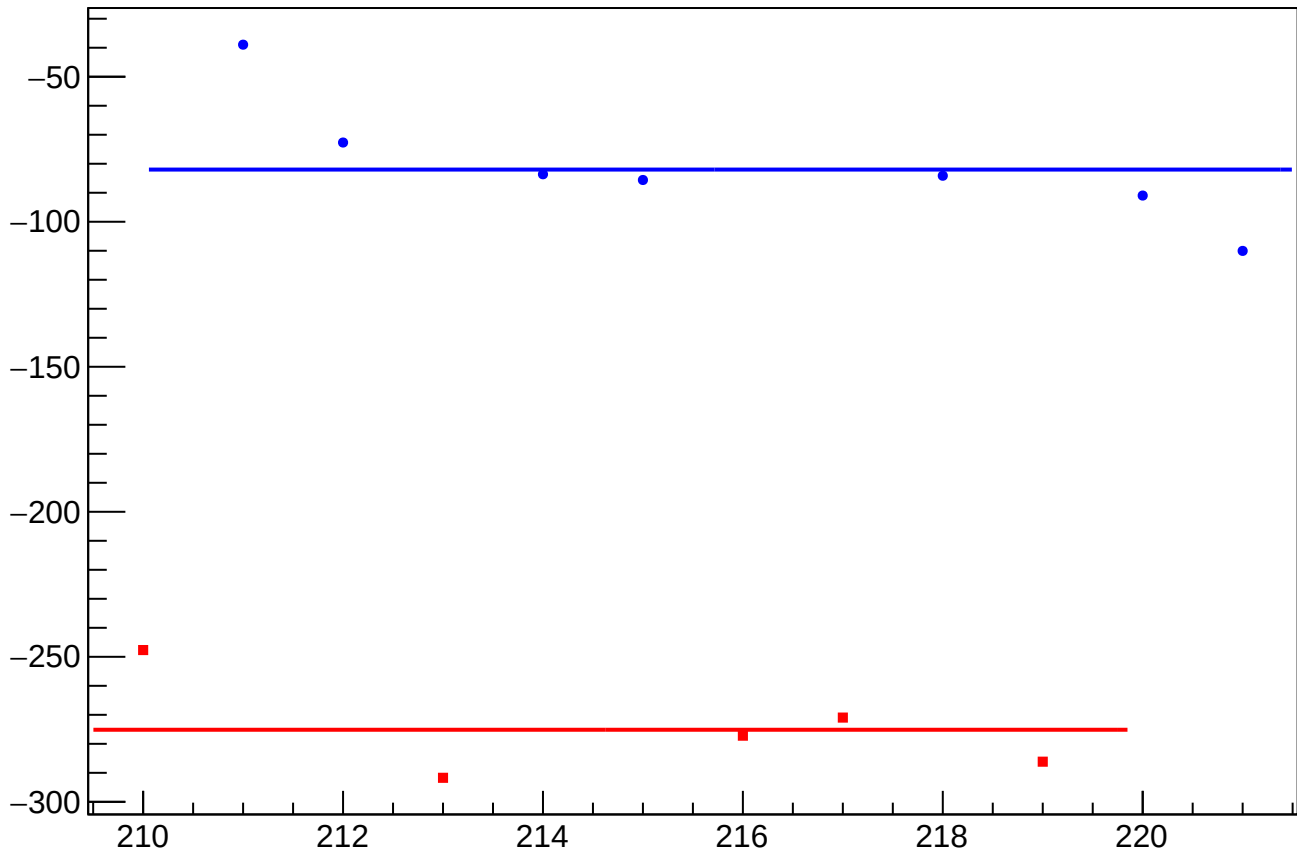
All: -159.940+/-0.000 χ^2/NDF : 87945729811

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: -82.009+/-0.000 χ^2/NDF : 233003960766820179277790849840185344.0/6

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -159.962+/-0.000 χ^2/NDF : 87967947539

Right Out: -275.151+/-0.000 χ^2/NDF : 87316479018886398499496763095777280.0/4

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0