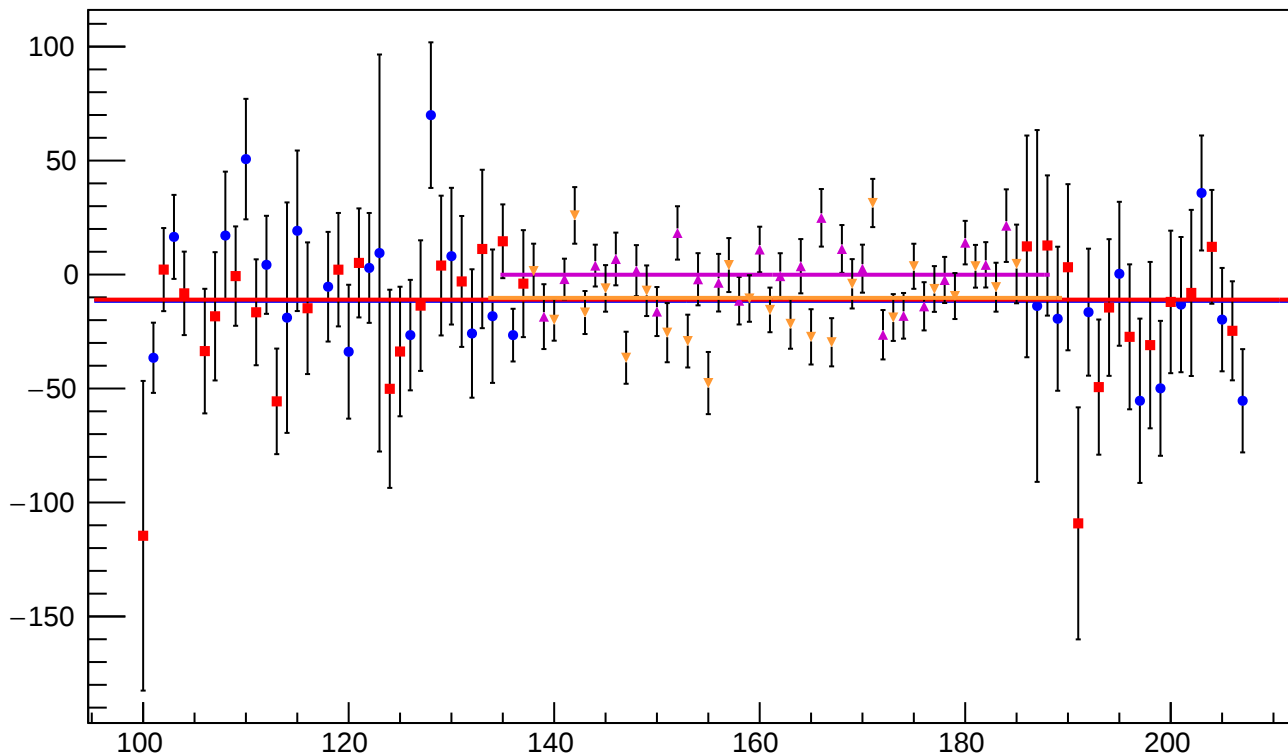


diff_bpm4aX_mean vs Slug



Right In: -11.542 ± 4.787

χ^2/NDF : 34.0/26

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -11.003 ± 4.821

χ^2/NDF : 21.4/30

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -10.461 ± 1.977

χ^2/NDF : 92.2/51

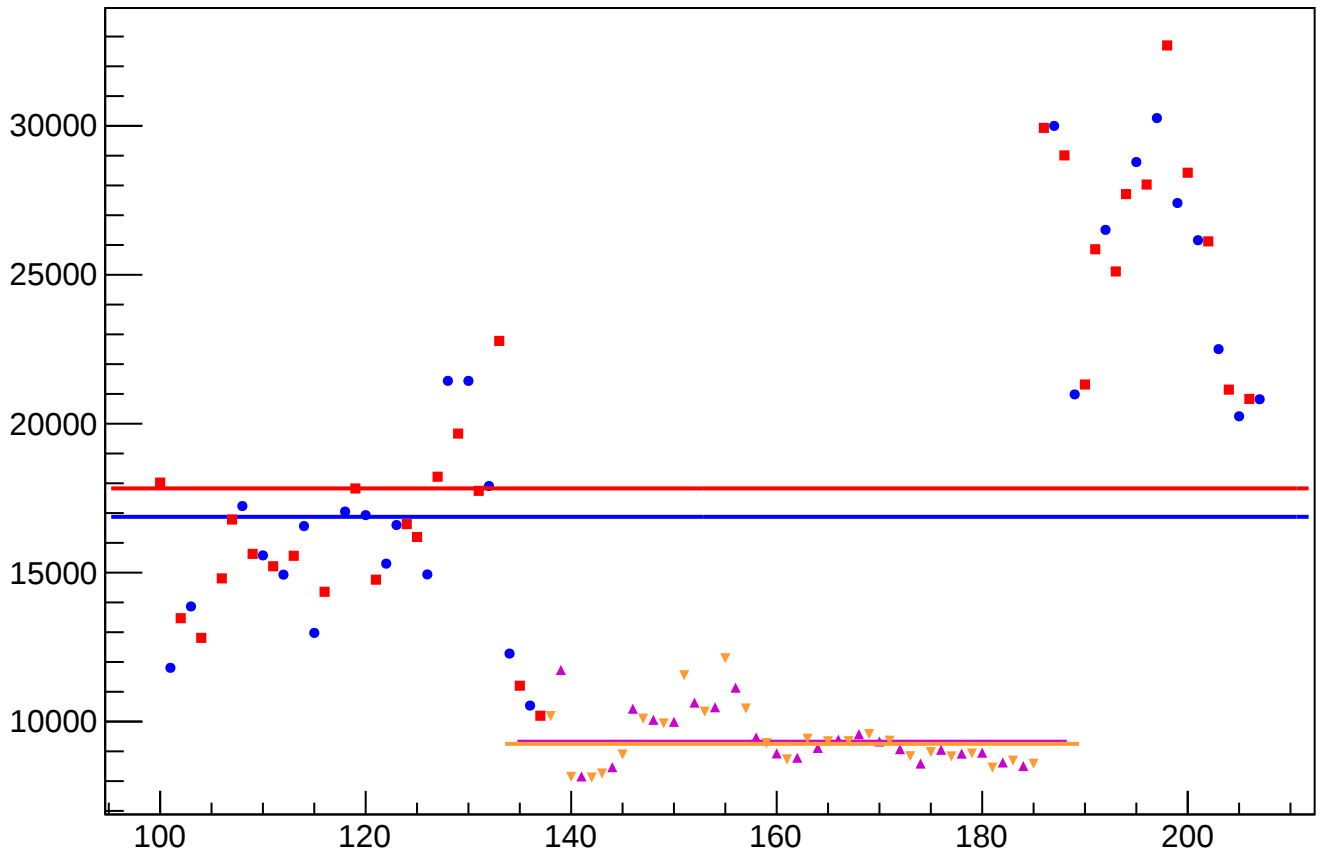
All: -6.379 ± 1.419

χ^2/NDF : 156.5/105

- sign -2.035 ± 2.039

χ^2/NDF : 55.4/53

diff_bpm4aX_rms vs Slug



Right In: 16874.132 $\pm$ 3.385 χ^2 /NDF: 2623216.2/26

Left Out: 9251.811 $\pm$ 1.535 χ^2 /NDF:332323.3/24

Right Out: 17828.111 $\pm$ 3.409 χ^2 /NDF: 2760193.5/30

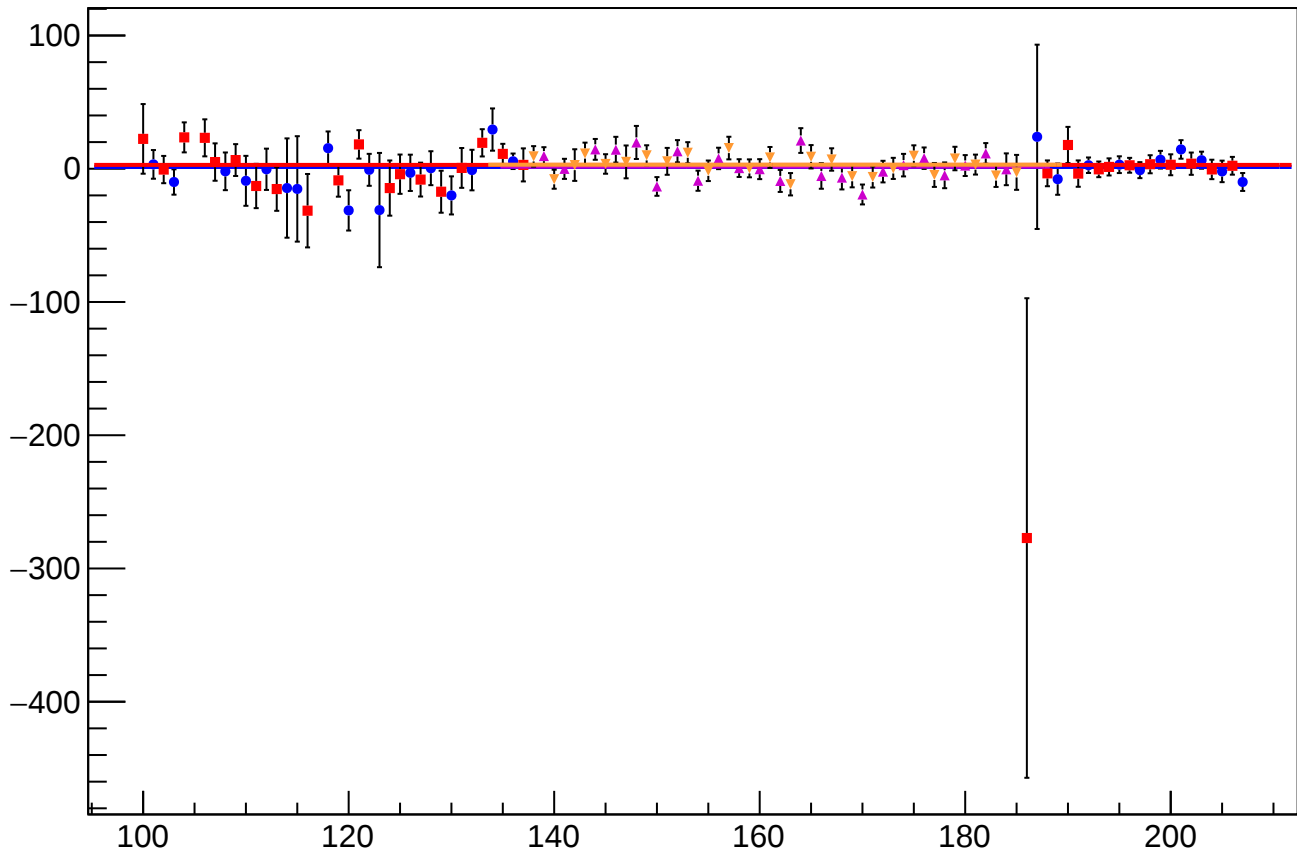
Left In: 9323.983 $\pm$ 1.591 χ^2 /NDF:275717.0/22

+ sign 10551.405 $\pm$ 1.398 χ^2 /NDF: 7161944.8/51

All: 10693.884 $\pm$ 1.004 χ^2 /NDF: 15328786.2

- sign 10845.547 $\pm$ 1.442 χ^2 /NDF: 8145387.4/53

diff_bpm4aY_mean vs Slug



Right In: 1.333 ± 1.823 χ^2/NDF : 23.6/26

Left Out: 3.027 ± 1.661 χ^2/NDF : 18.6/24

Right Out: 2.892 ± 1.766 χ^2/NDF : 25.2/30

Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

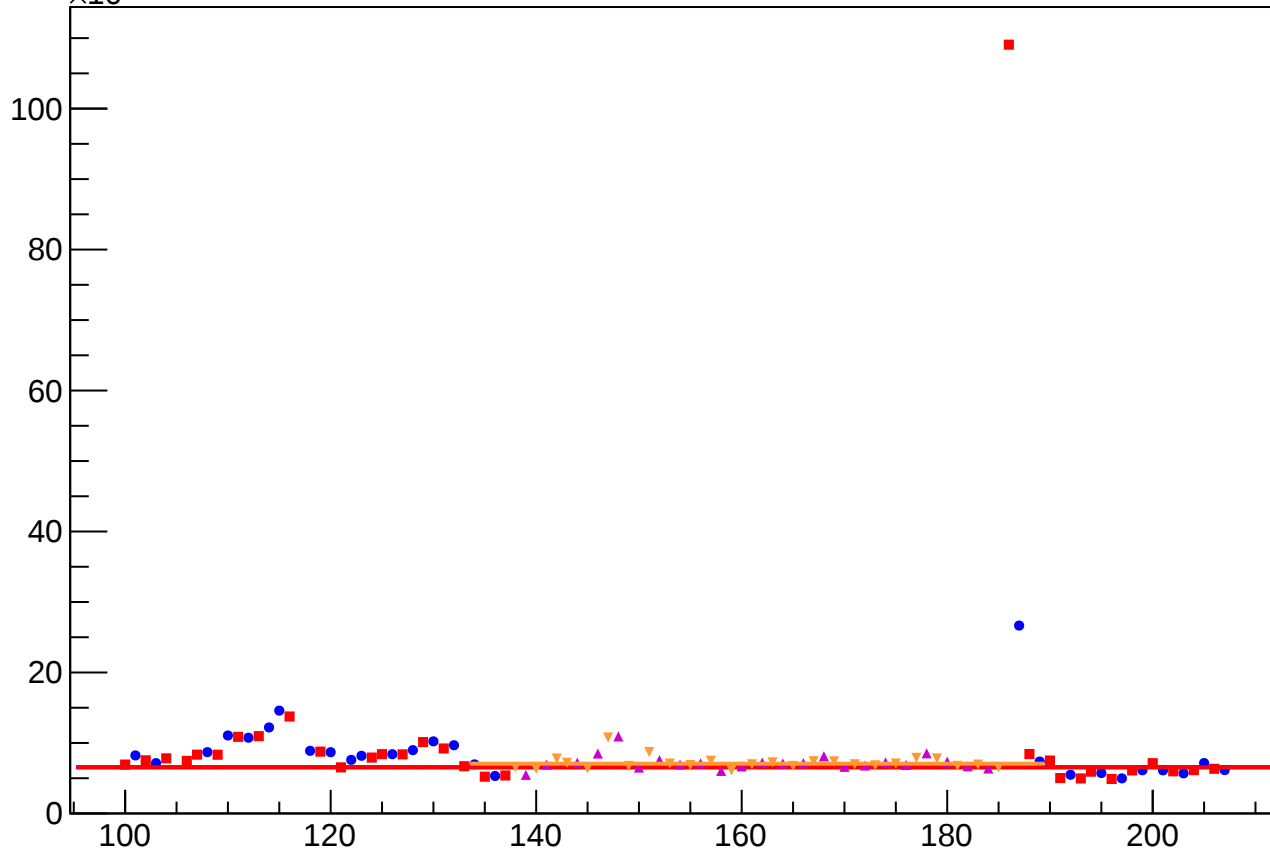
+ sign 2.259 ± 1.228 χ^2/NDF : 42.6/51

All: 2.238 ± 0.867 χ^2/NDF : 103.7/105

- sign 2.217 ± 1.226 χ^2/NDF : 61.0/53

diff_bpm4aY_rms vs Slug

$\times 10^3$



Right In: 6553.490 $\pm$ 1.289 χ^2 /NDF: 1525476.0/26

Left Out: 7064.457 $\pm$ 1.174 χ^2 /NDF: 386814.9/24

Right Out: 6552.169 $\pm$ 1.249 χ^2 /NDF: 2102086.7/30

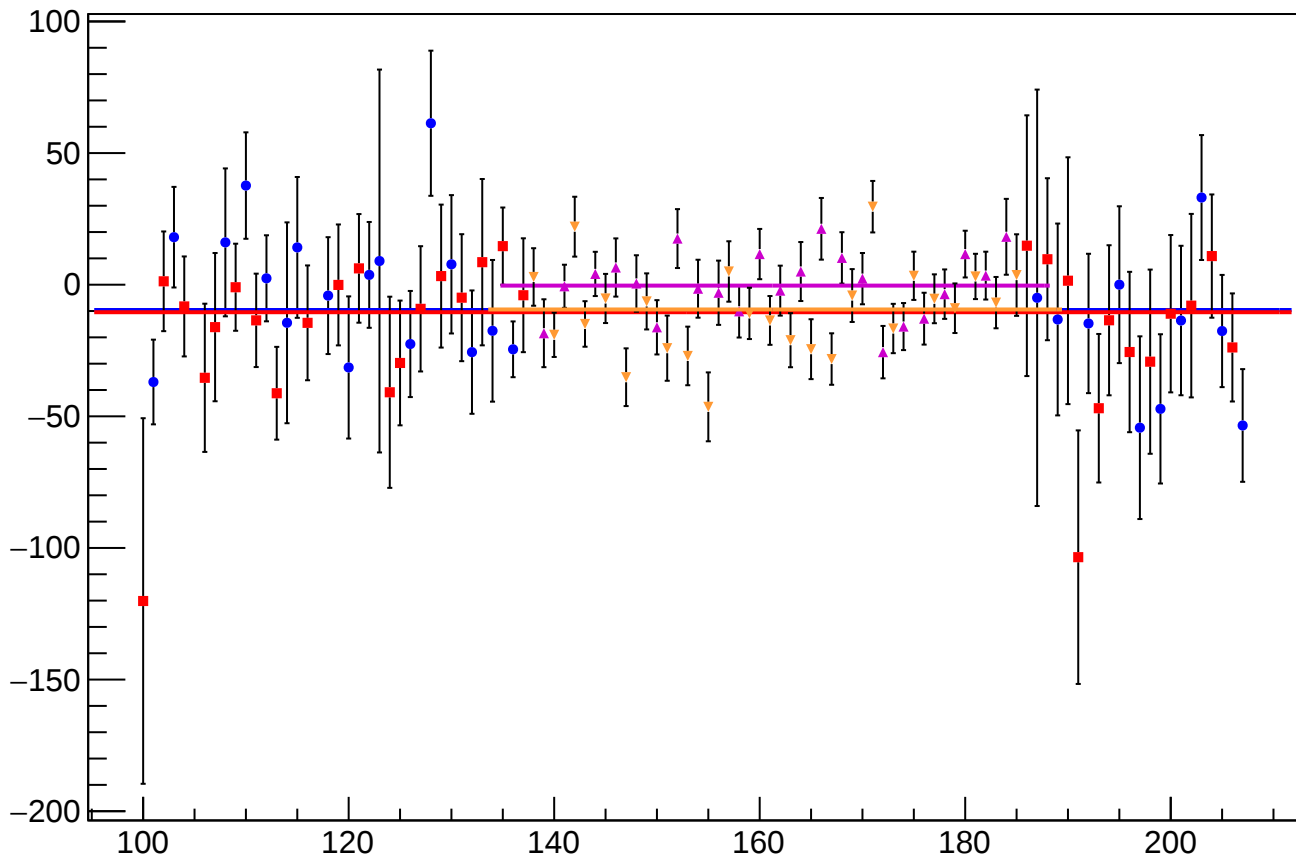
Left In: 7014.572 $\pm$ 1.204 χ^2 /NDF: 525313.7/22

+ sign 6832.741 $\pm$ 0.868 χ^2 /NDF: 1998164.7/51

All: 6812.240 $\pm$ 0.613 χ^2 /NDF: 4697748.8/10

- sign 6791.804 $\pm$ 0.867 χ^2 /NDF: 2698470.3/53

diff_bpm4eX_mean vs Slug



Right In: -9.613 ± 4.365 χ^2/NDF : 35.0/26

Left Out: -9.411 ± 2.021 χ^2/NDF : 58.8/24

Right Out: -10.450 ± 4.355 χ^2/NDF : 21.0/30

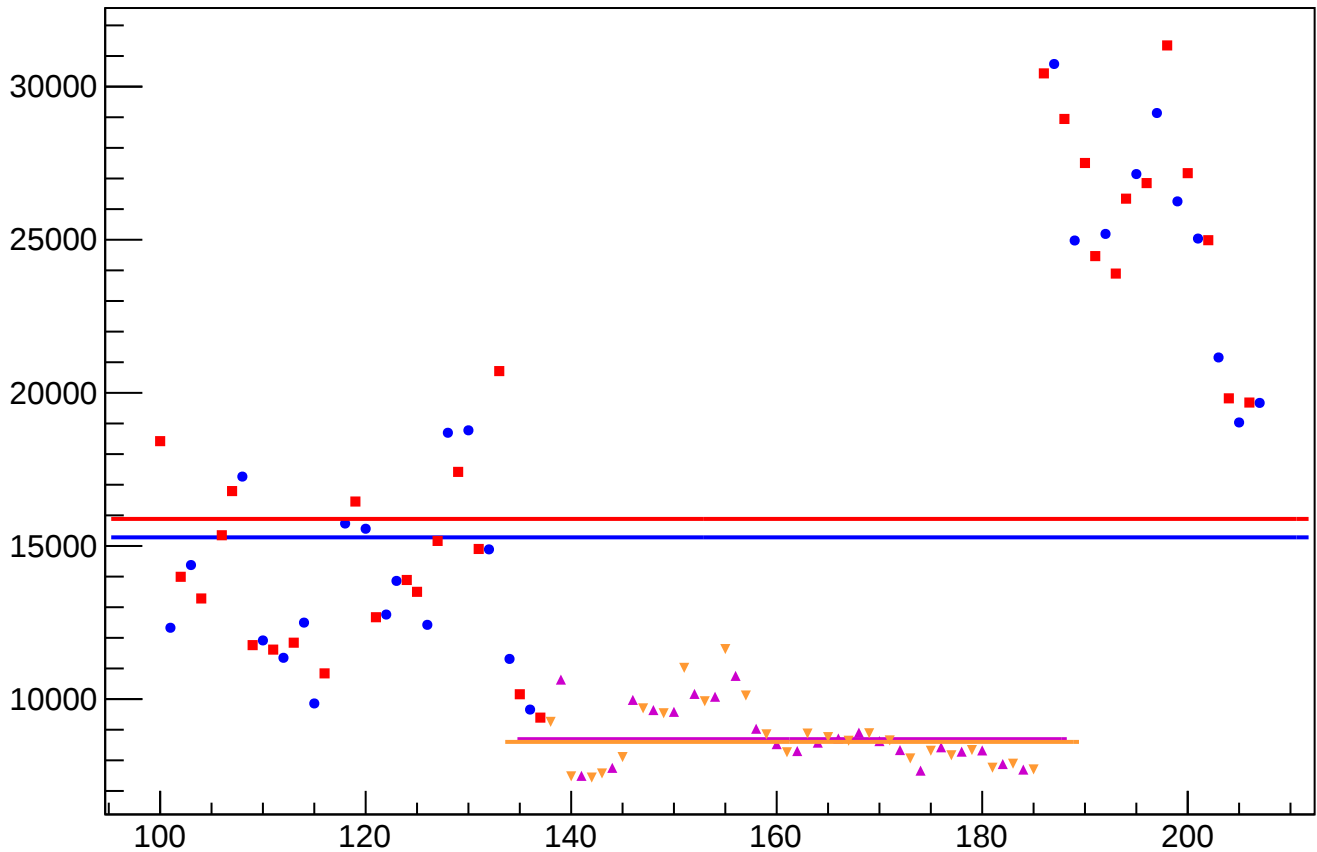
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.447 ± 1.834 χ^2/NDF : 93.8/51

All: -5.961 ± 1.317 χ^2/NDF : 156.6/105

- sign -2.251 ± 1.892 χ^2/NDF : 55.3/53

diff_bpm4eX_rms vs Slug



Right In: 15281.779+/-3.086 χ^2/NDF : 3031991.3/26

Left Out: 8602.220+/-1.429 χ^2/NDF : 438805.2/24

+ sign 9781.454+/-1.297 χ^2/NDF : 7327780.9/51

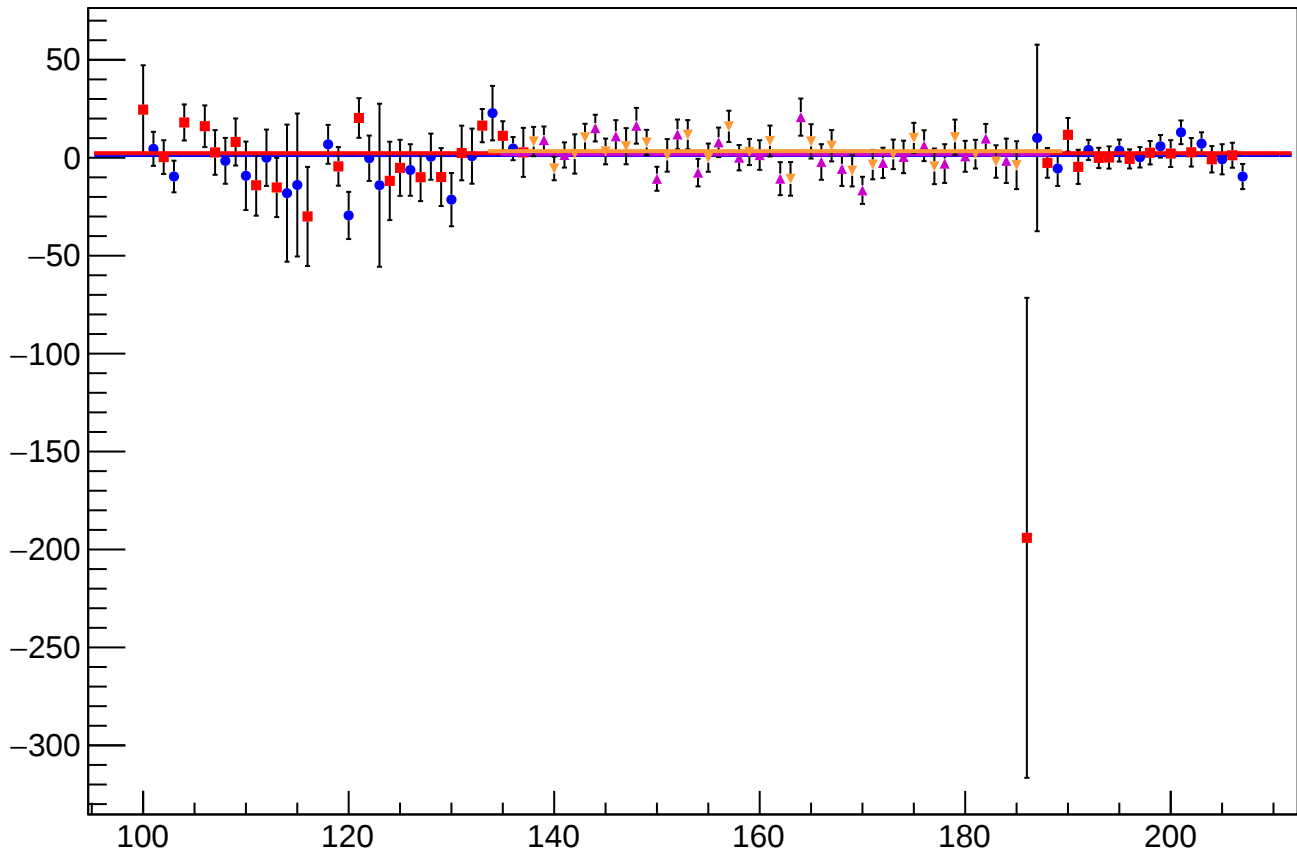
Right Out: 15883.654+/-3.079 χ^2/NDF : 3480536.7/30

All: 9910.956+/-0.931 χ^2/NDF : 15620305.8/1

Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

- sign 10048.774+/-1.338 χ^2/NDF : 8271939.2/53

diff_bpm4eY_mean vs Slug



Right In: 1.392 ± 1.631 χ^2/NDF : 25.2/26

Left Out: 3.374 ± 1.552 χ^2/NDF : 17.2/24

Right Out: 2.324 ± 1.558 χ^2/NDF : 25.9/30

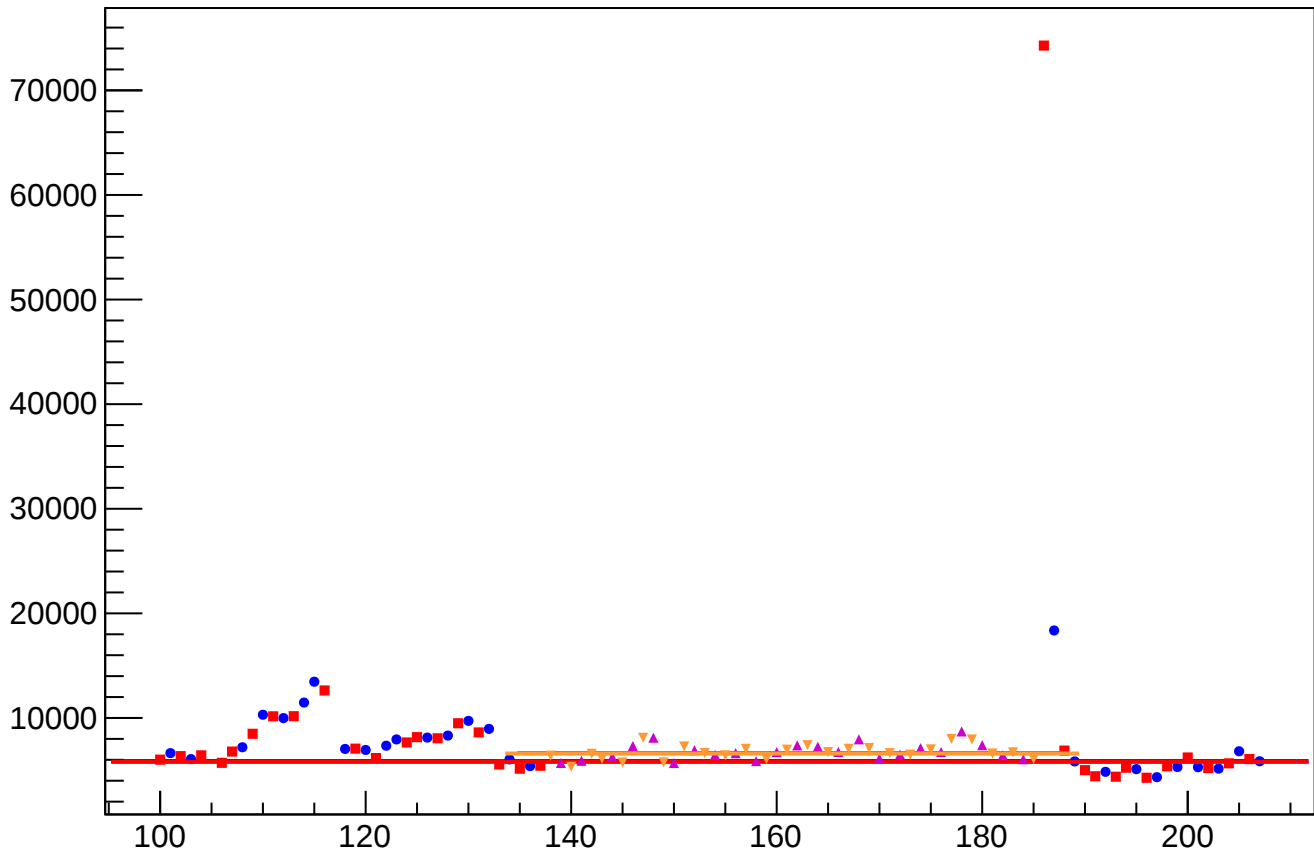
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.432 ± 1.124 χ^2/NDF : 43.1/51

All: 2.240 ± 0.793 χ^2/NDF : 102.7/105

- sign 2.049 ± 1.119 χ^2/NDF : 59.5/53

diff_bpm4eY_rms vs Slug



Right In: 5874.759+/-1.153 χ^2/NDF : 1492300.9/26

Left Out: 6603.953+/-1.097 χ^2/NDF : 395247.5/24

Right Out: 5802.732+/-1.102 χ^2/NDF : 2132962.4/30

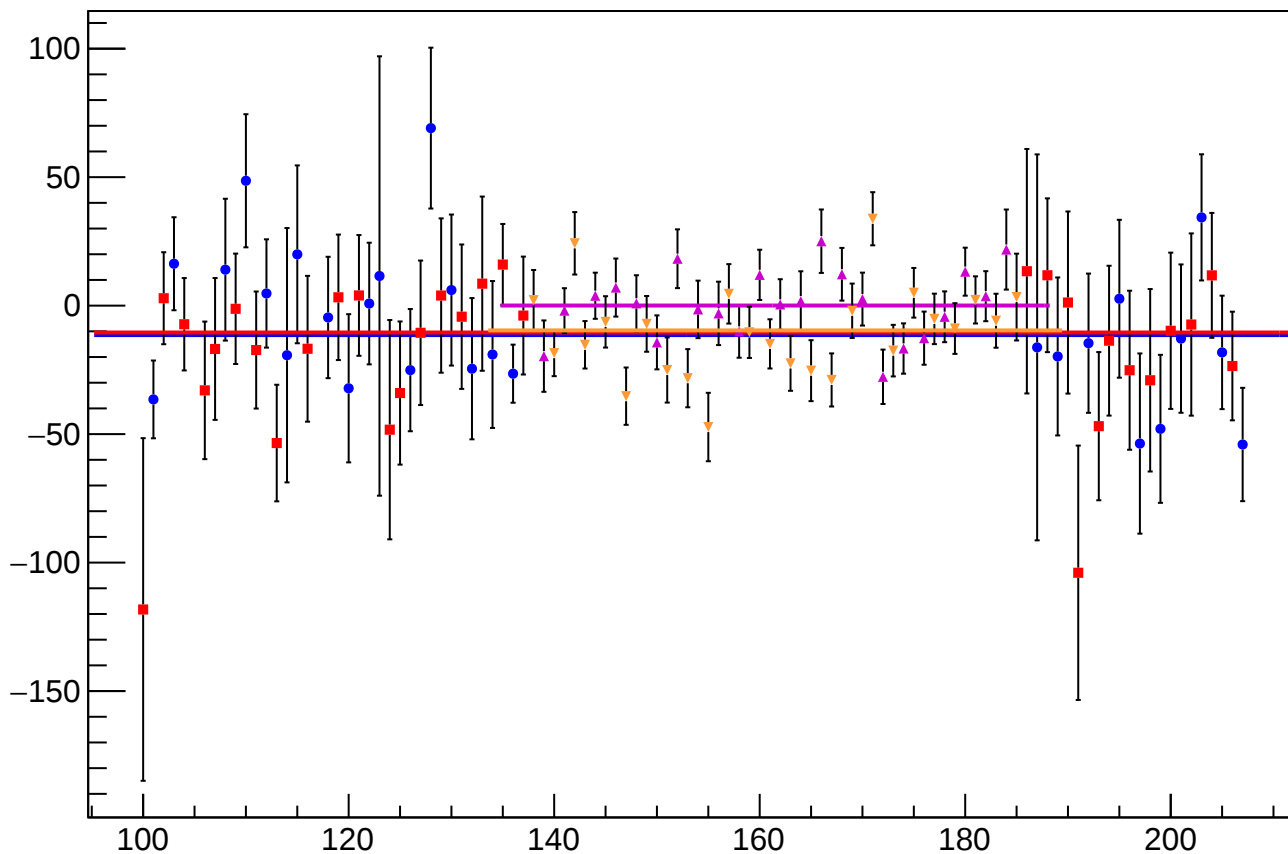
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

+ sign 6257.434+/-0.795 χ^2/NDF : 2097407.7/51

All: 6232.156+/-0.561 χ^2/NDF : 4925829.1/10

- sign 6207.123+/-0.791 χ^2/NDF : 2826408.8/53

diff_bpm4acX_mean vs Slug



Right In: -11.457 ± 4.683 χ^2/NDF : 33.7/26

Left Out: -9.640 ± 2.122 χ^2/NDF : 59.9/24

Right Out: -10.461 ± 4.717 χ^2/NDF : 21.4/30

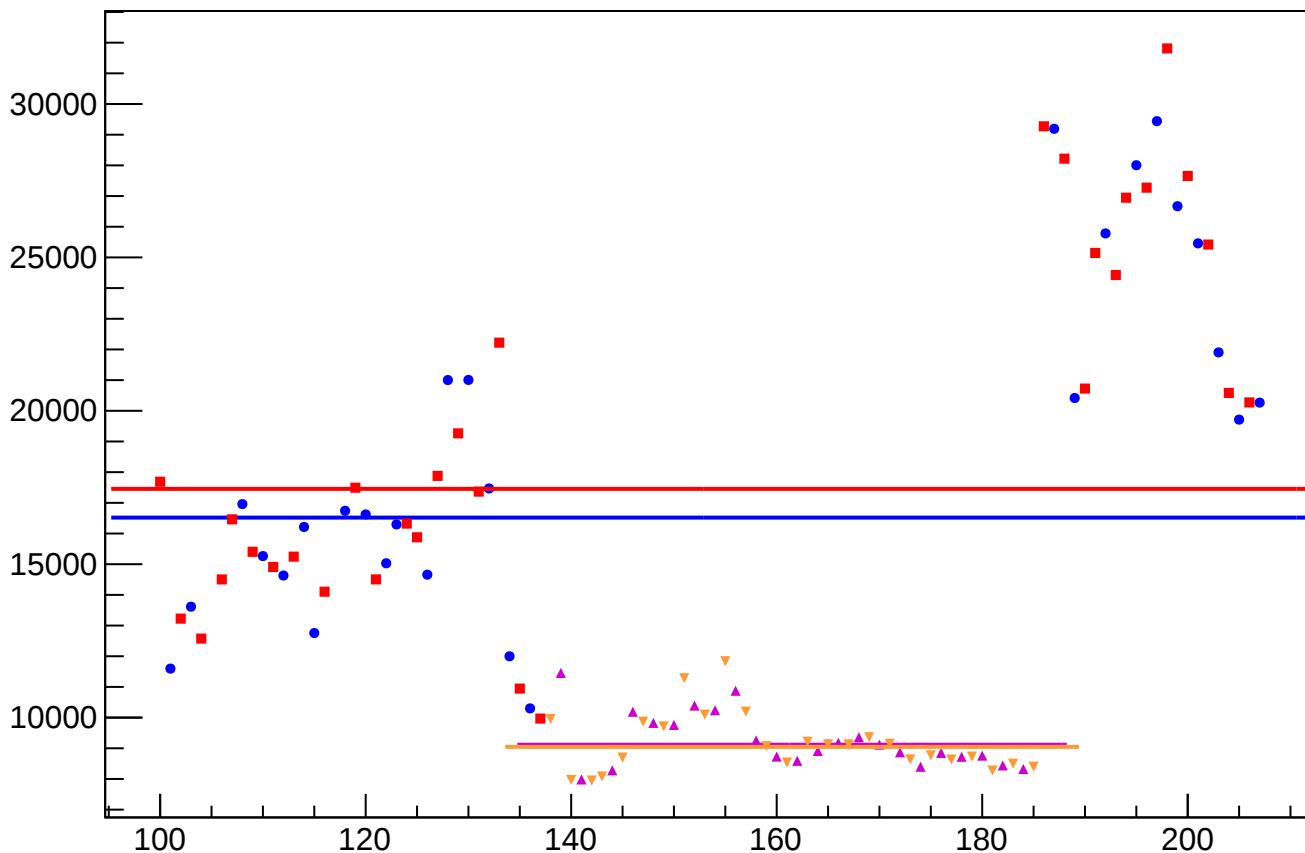
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.949 ± 1.933 χ^2/NDF : 93.8/51

All: -6.019 ± 1.388 χ^2/NDF : 158.5/105

- sign -1.835 ± 1.994 χ^2/NDF : 56.2/53

diff_bpm4acX_rms vs Slug



Right In: 16519.136+/-3.311 χ^2/NDF : 2584508.3/26

Left Out: 9045.871+/-1.500 χ^2/NDF : 328508.5/24

Right Out: 17456.163+/-3.335 χ^2/NDF : 2713832.4/30

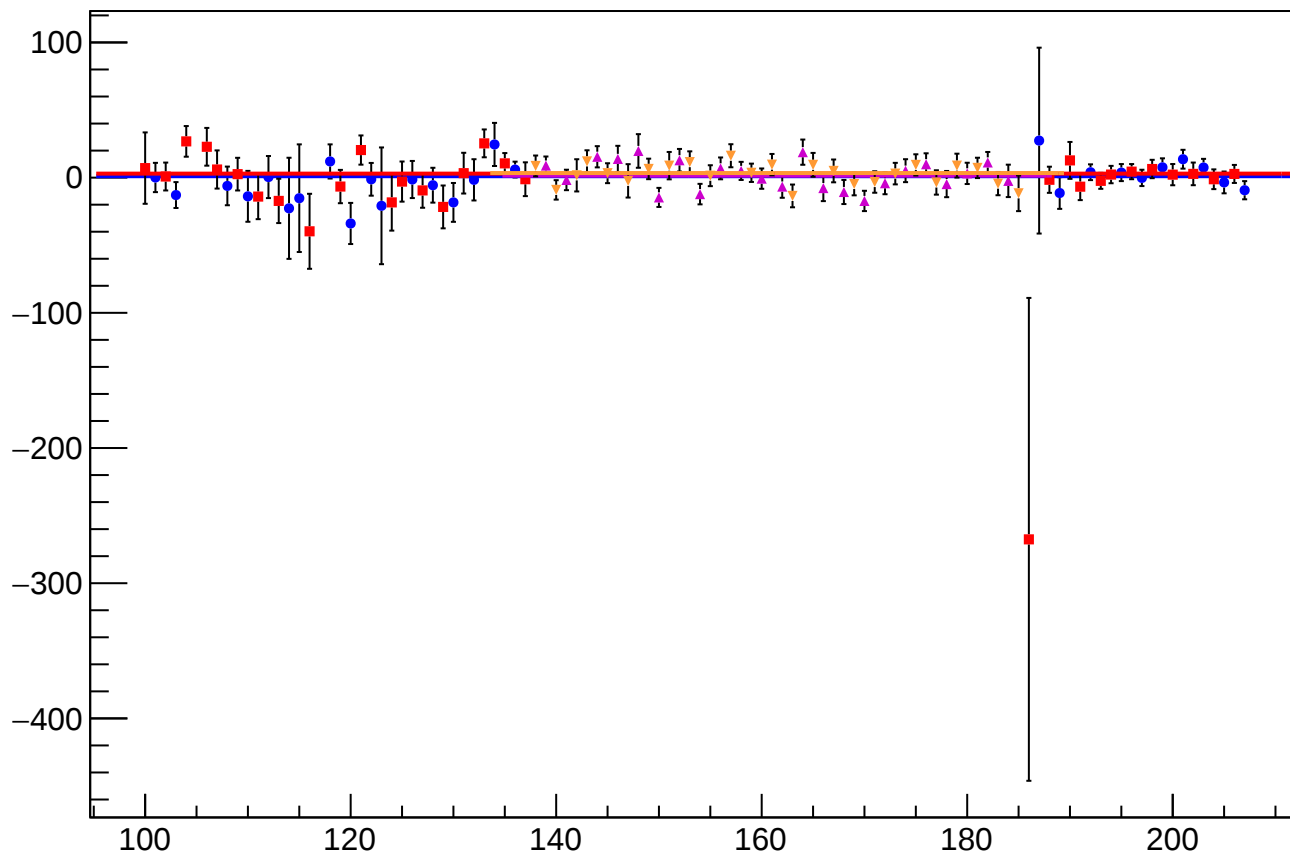
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 10318.875+/-1.367 χ^2/NDF : 7139572.1/51

All: 10458.117+/-0.981 χ^2/NDF : 15283578.4/100

- sign 10606.328+/-1.410 χ^2/NDF : 8122573.4/53

diff_bpm4acY_mean vs Slug



Right In: 1.059 ± 1.829 χ^2/NDF : 24.6/26

Left Out: 3.387 ± 1.668 χ^2/NDF : 19.4/24

Right Out: 2.966 ± 1.773 χ^2/NDF : 30.5/30

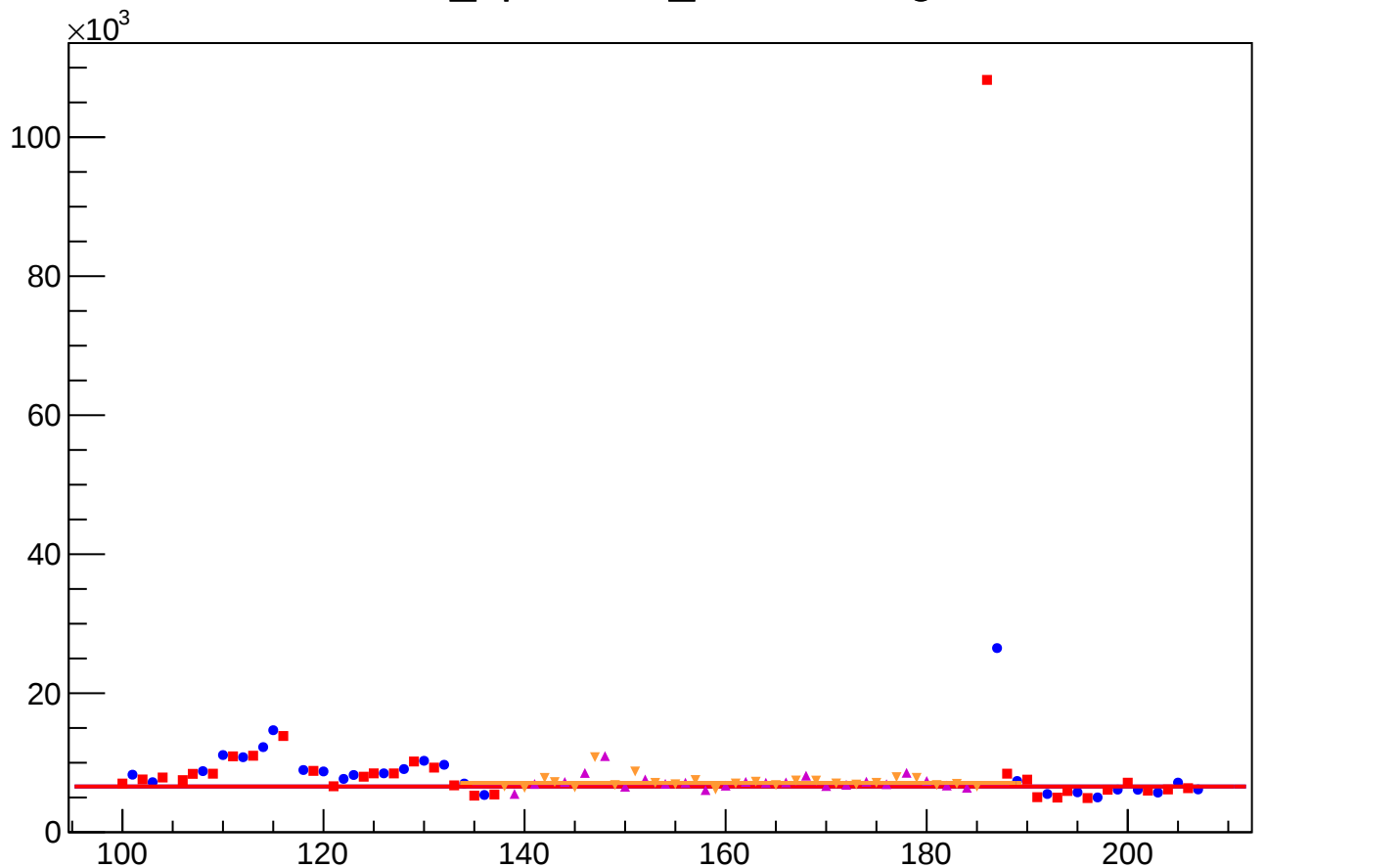
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.330 ± 1.233 χ^2/NDF : 44.9/51

All: 2.263 ± 0.871 χ^2/NDF : 112.5/105

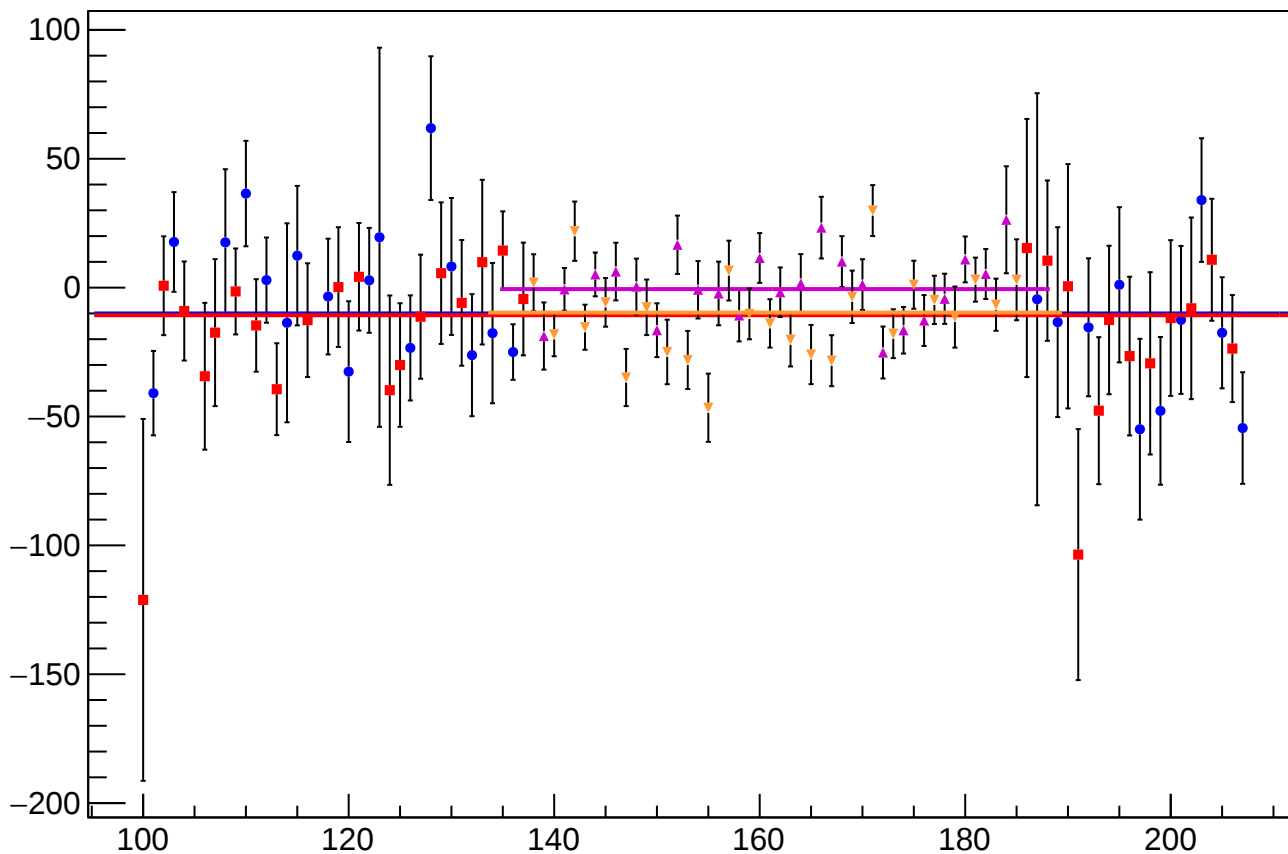
- sign 2.196 ± 1.231 χ^2/NDF : 67.6/53

diff_bpm4acY_rms vs Slug



Right In: 6576.338 ± 1.294 $\chi^2/\text{NDF}: 1534630.2/26$ + sign 6860.314 ± 0.872 $\chi^2/\text{NDF}: 2004822.0/51$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 6840.979 ± 0.616 $\chi^2/\text{NDF}: 4702879.5/10$
 Right Out: 6579.262 ± 1.254 $\chi^2/\text{NDF}: 2107452.5/30$ - sign 6821.694 ± 0.870 $\chi^2/\text{NDF}: 2697074.4/53$
 Left In: 7047.269 ± 1.209 $\chi^2/\text{NDF}: 517433.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -10.015 ± 4.421 χ^2/NDF : 35.7/26

Left Out: -9.670 ± 2.061 χ^2/NDF : 57.9/24

Right Out: -10.705 ± 4.413 χ^2/NDF : 20.0/30

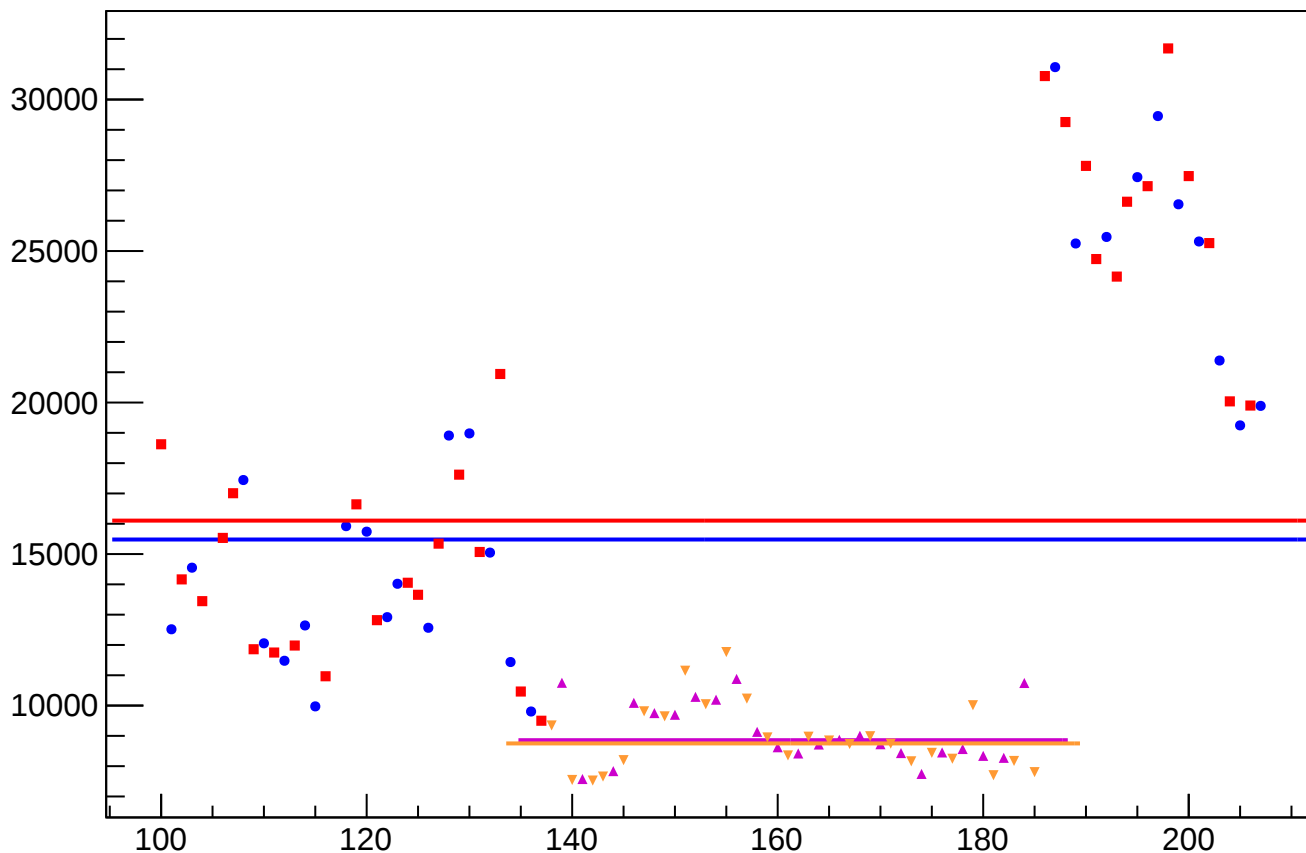
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.732 ± 1.868 χ^2/NDF : 93.6/51

All: -6.231 ± 1.342 χ^2/NDF : 154.9/105

- sign -2.500 ± 1.928 χ^2/NDF : 54.1/53

diff_bpm4ecX_rms vs Slug



Right In: 15480.015+/-3.126 χ^2/NDF : 3011644.4/26

Left Out: 8750.420+/-1.457 χ^2/NDF : 463880.1/24

Right Out: 16103.653+/-3.121 χ^2/NDF : 3445515.1/30

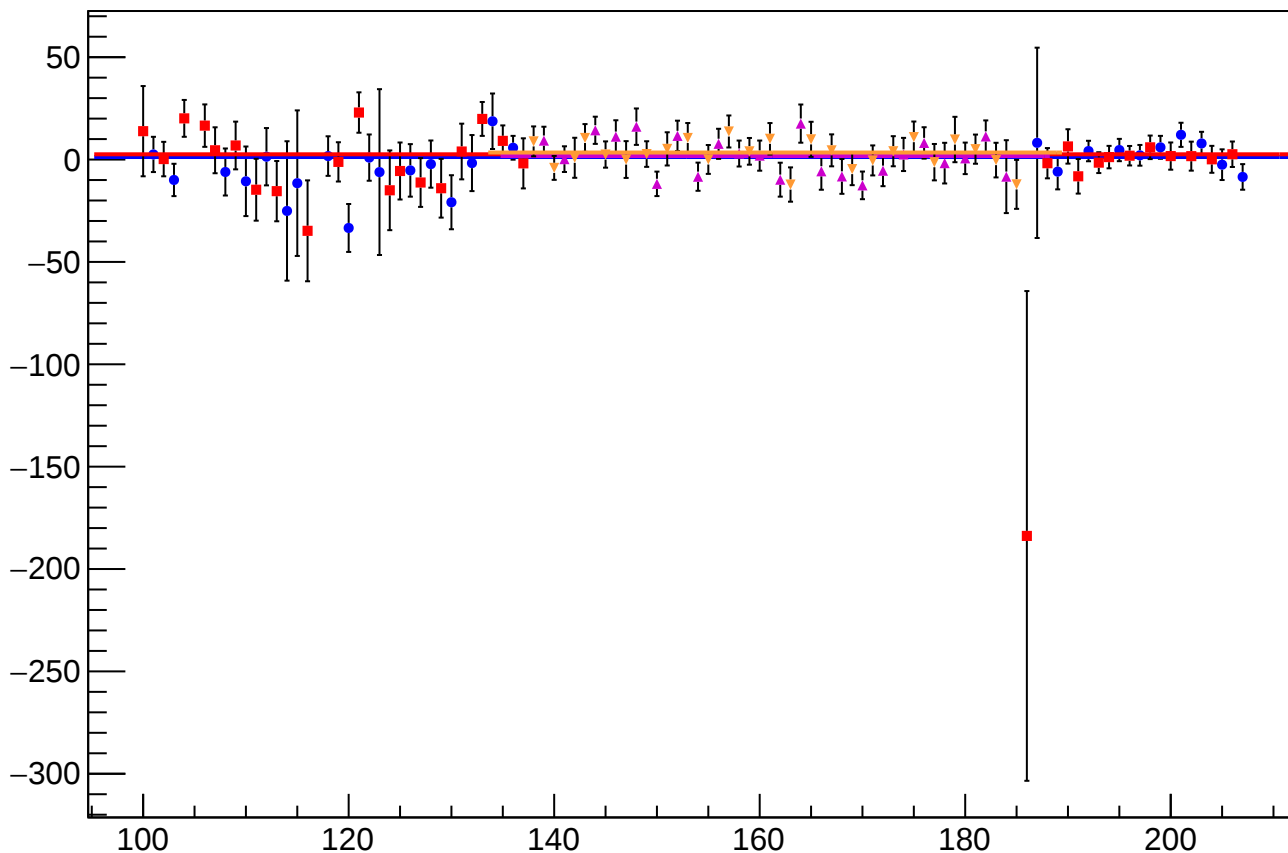
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9951.621+/-1.321 χ^2/NDF : 7282981.1/51

All: 10091.541+/-0.949 χ^2/NDF : 15476251.7

- sign 10240.679+/-1.363 χ^2/NDF : 8170081.4/53

diff_bpm4ecY_mean vs Slug



Right In: 1.242 ± 1.591 χ^2/NDF : 27.5/26

Left Out: 3.433 ± 1.526 χ^2/NDF : 16.2/24

Right Out: 2.567 ± 1.519 χ^2/NDF : 30.6/30

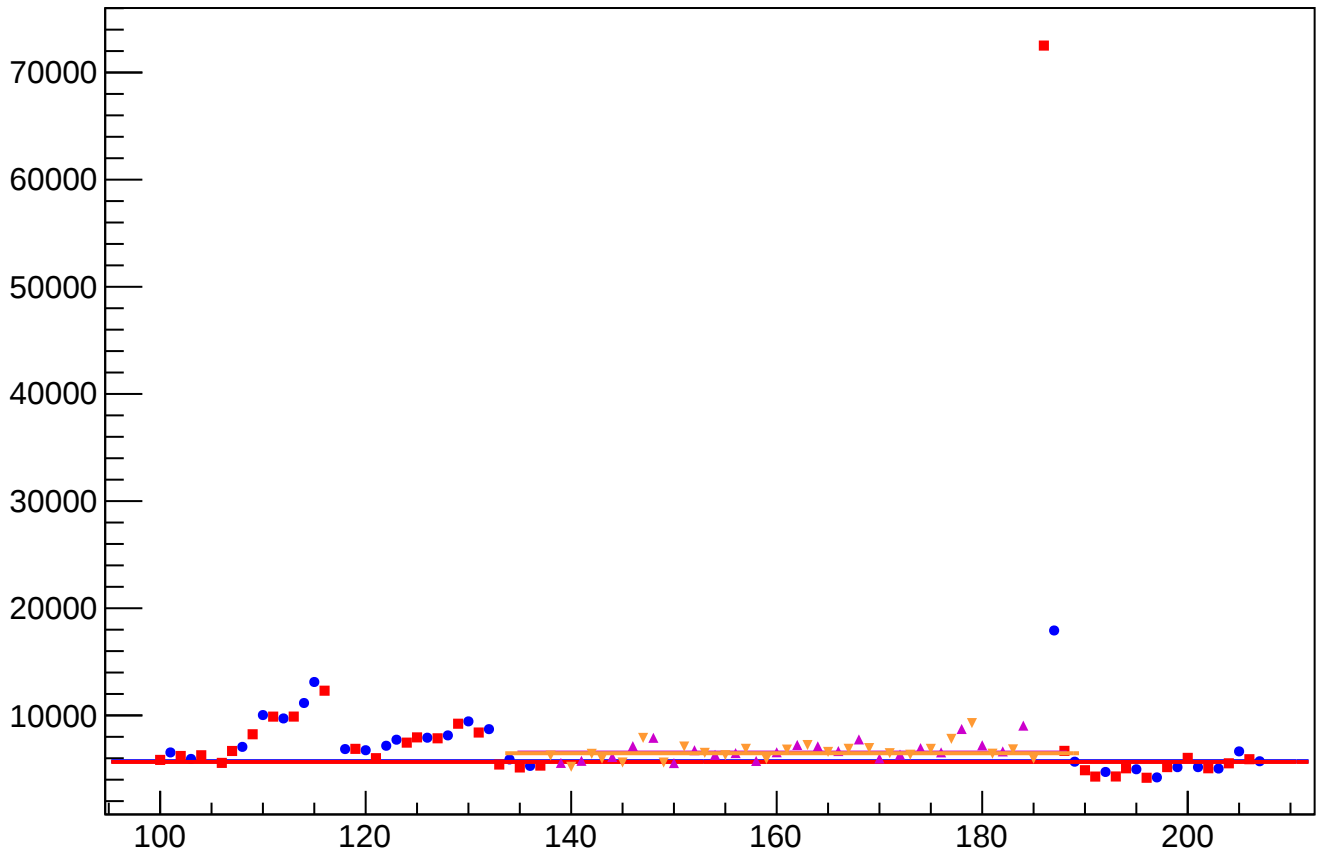
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.383 ± 1.101 χ^2/NDF : 44.7/51

All: 2.275 ± 0.777 χ^2/NDF : 109.1/105

- sign 2.168 ± 1.097 χ^2/NDF : 64.3/53

diff_bpm4ecY_rms vs Slug



Right In: 5727.779+/-1.125 χ^2/NDF : 1498465.9/26

Left Out: 6468.872+/-1.079 χ^2/NDF : 487187.3/24

Right Out: 5655.105+/-1.074 χ^2/NDF : 2123595.3/30

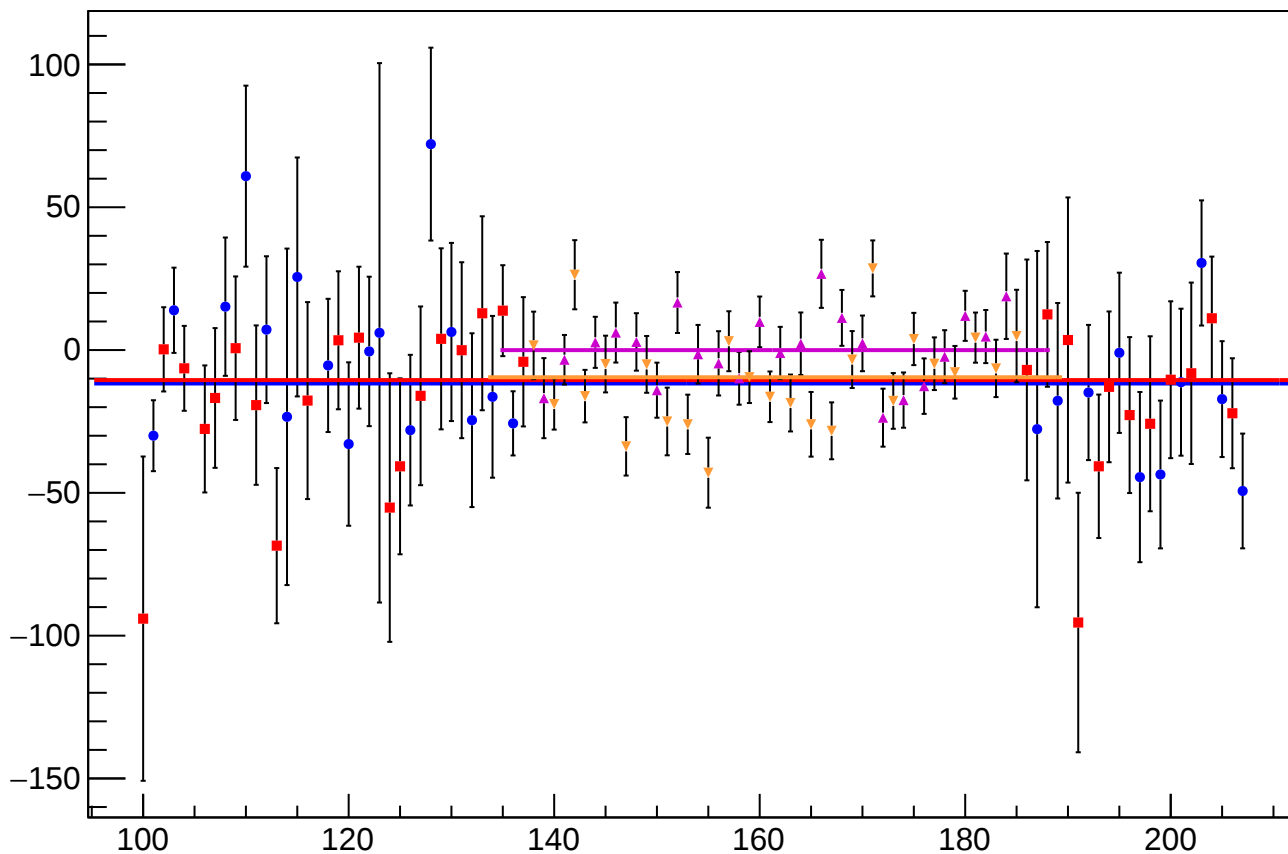
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6113.812+/-0.779 χ^2/NDF : 2211750.3/51

All: 6093.972+/-0.550 χ^2/NDF : 5119400.6/10

- sign 6074.277+/-0.776 χ^2/NDF : 2906356.5/53

diff_bpm1X_mean vs Slug



Right In: -11.709 $\pm$ 4.492 χ^2 /NDF: 32.7/26

Left Out: -9.528 $\pm$ 2.015 χ^2 /NDF: 59.6/24

Right Out: -10.521 $\pm$ 4.538 χ^2 /NDF: 21.8/30

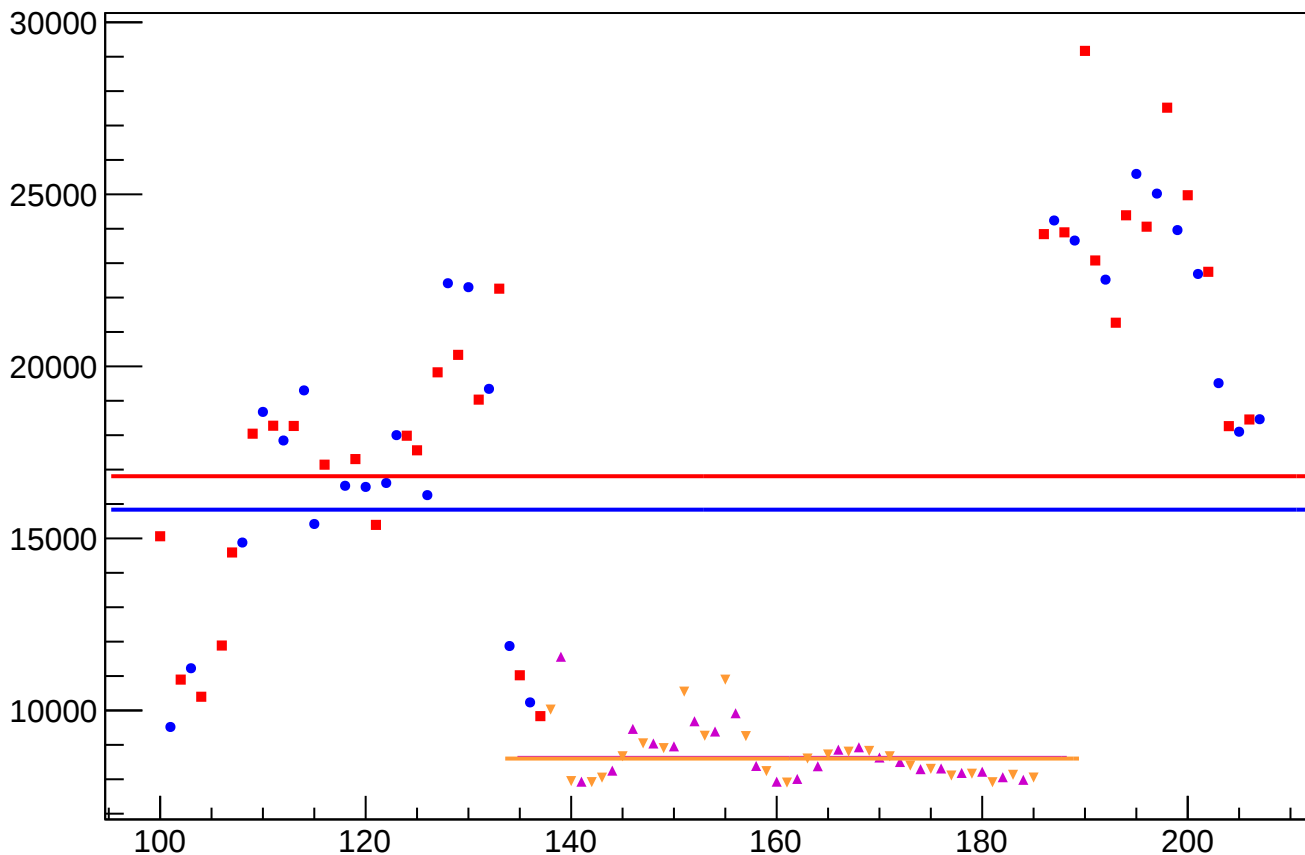
Left In: -0.027 $\pm$ 2.080 χ^2 /NDF: 29.9/22

+ sign -9.894 $\pm$ 1.839 χ^2 /NDF: 92.5/51

All: -5.983 $\pm$ 1.318 χ^2 /NDF: 157.9/105

- sign -1.848 $\pm$ 1.891 χ^2 /NDF: 56.1/53

diff_bpm1X_rms vs Slug



Right In: 15835.556 $\pm$ 3.176 χ^2 /NDF: 2664634.9/26

Left Out: 8601.926 $\pm$ 1.425 χ^2 /NDF: 248903.5/24

Right Out: 16807.548 $\pm$ 3.209 χ^2 /NDF: 2662542.5/30

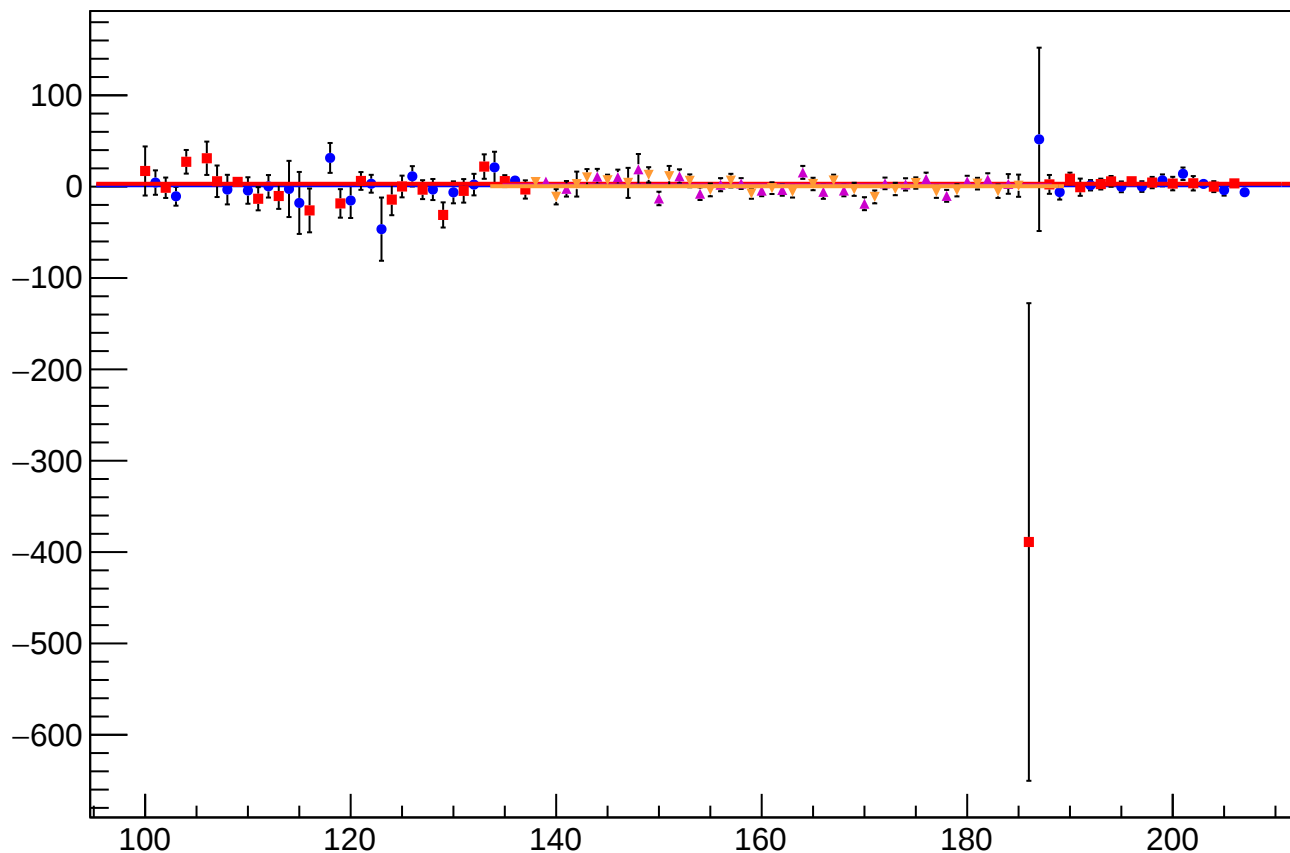
Left In: 8621.975 $\pm$ 1.471 χ^2 /NDF: 230824.4/22

+ sign 9814.028 $\pm$ 1.300 χ^2 /NDF: 7231467.2/51

All: 9925.356 $\pm$ 0.932 χ^2 /NDF: 15518139.1/100

- sign 10043.076 $\pm$ 1.337 χ^2 /NDF: 8271586.5/53

diff_bpm1Y_mean vs Slug



Right In: 1.524 ± 1.628 χ^2/NDF : 20.3/26

Left Out: 0.481 ± 1.419 χ^2/NDF : 19.6/24

Right Out: 3.152 ± 1.523 χ^2/NDF : 27.0/30

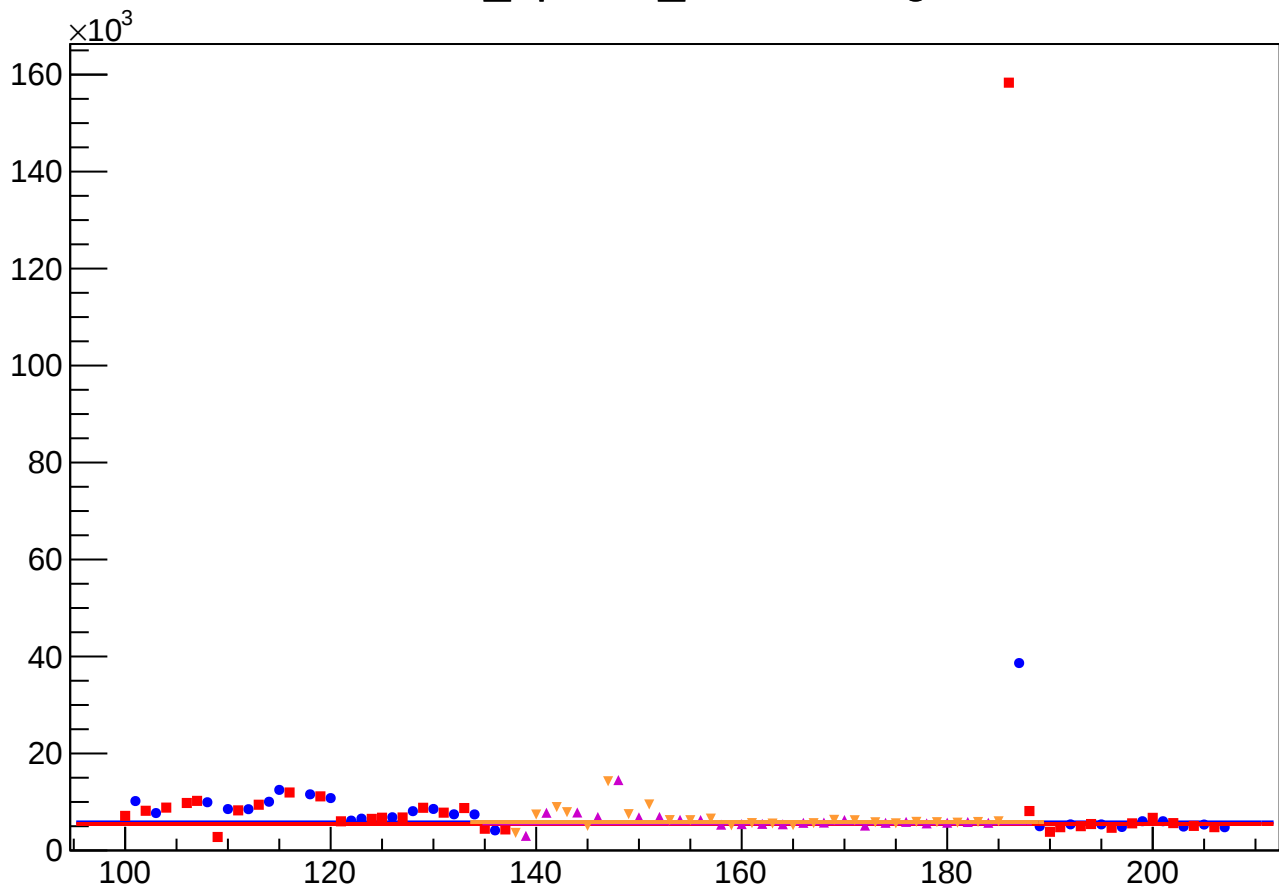
Left In: 1.298 ± 1.406 χ^2/NDF : 33.0/22

+ sign 0.931 ± 1.070 χ^2/NDF : 40.1/51

All: 1.562 ± 0.743 χ^2/NDF : 101.6/105

- sign 2.151 ± 1.033 χ^2/NDF : 60.8/53

diff_bpm1Y_rms vs Slug



Right In: 5776.763 ± 1.151 $\chi^2/\text{NDF}: 2066856.4/26$

Left Out: 5858.642 ± 1.004 $\chi^2/\text{NDF}: 1691344.1/24$

Right Out: 5457.647 ± 1.077 $\chi^2/\text{NDF}: 3433122.2/30$

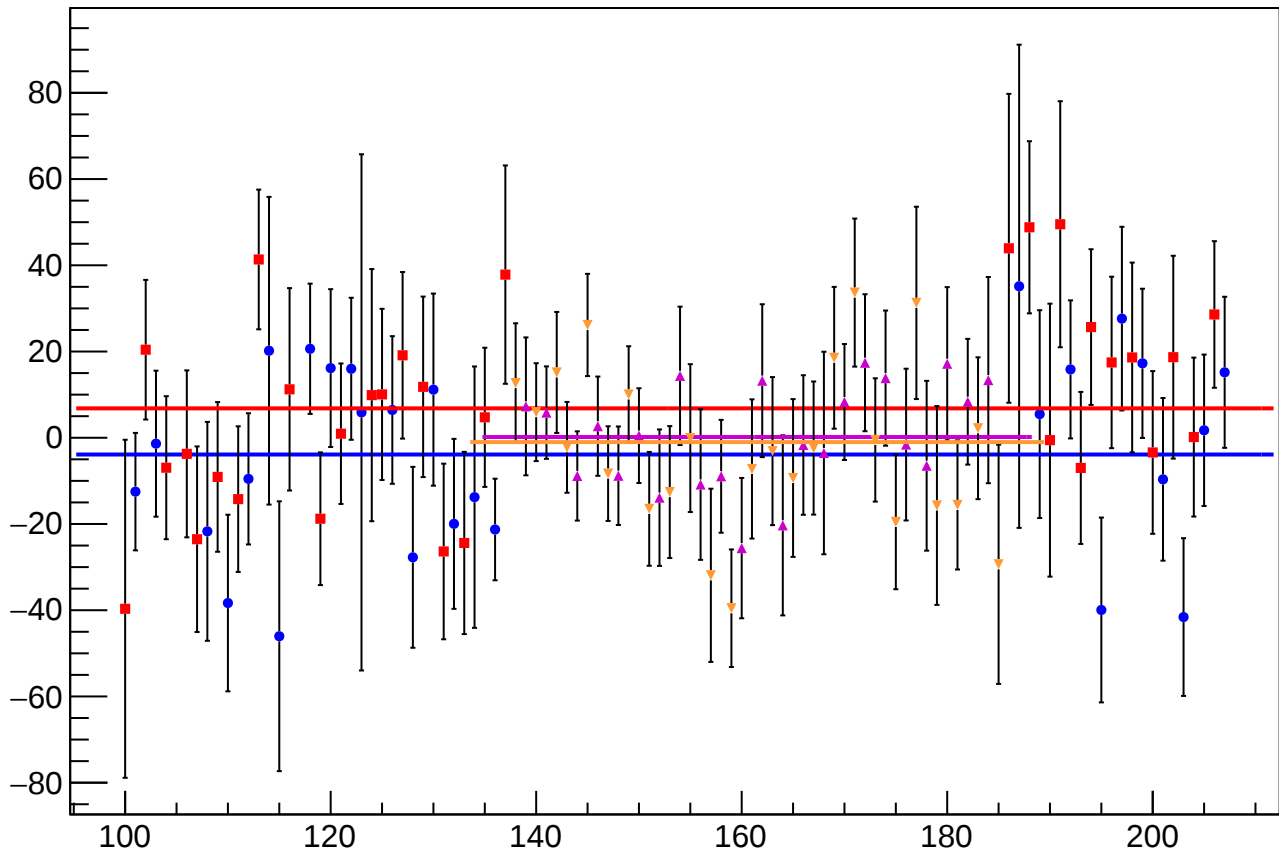
Left In: 5596.879 ± 0.994 $\chi^2/\text{NDF}: 2089750.1/22$

+ sign 5823.288 ± 0.756 $\chi^2/\text{NDF}: 3761074.8/51$

All: 5673.006 ± 0.526 $\chi^2/\text{NDF}: 9369248.6/10$

- sign 5532.819 ± 0.731 $\chi^2/\text{NDF}: 5531893.1/53$

diff_bpm11X_mean vs Slug



Right In: -3.886 ± 3.656 χ^2/NDF : 30.8/26

Left Out: -1.007 ± 2.942 χ^2/NDF : 33.5/24

Right Out: 6.817 ± 3.547 χ^2/NDF : 34.2/30

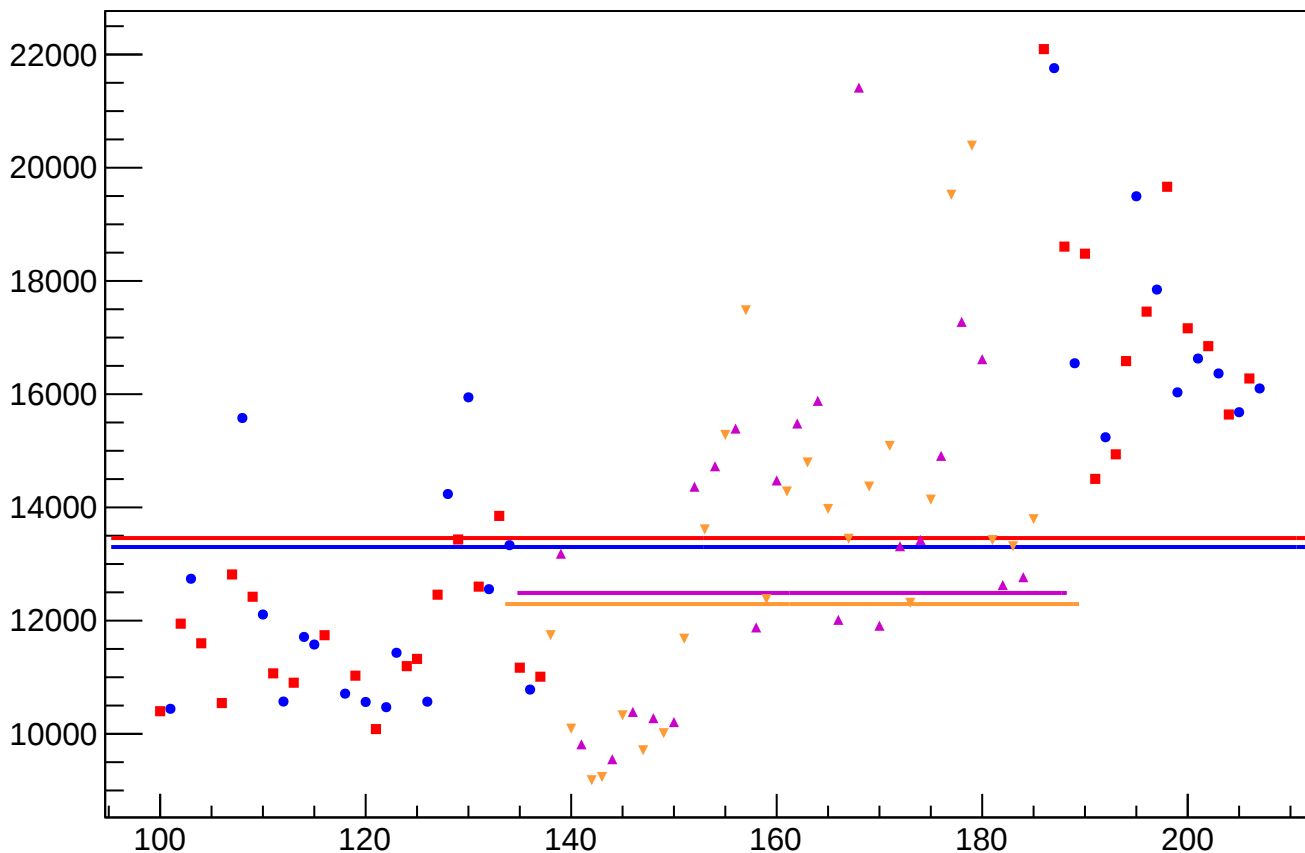
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -2.138 ± 2.292 χ^2/NDF : 64.7/51

All: 0.407 ± 1.630 χ^2/NDF : 115.7/105

- sign 3.015 ± 2.320 χ^2/NDF : 48.6/53

diff_bpm11X_rms vs Slug



Right In: 13300.683+/-2.585 χ^2/NDF : 1154993.9/26

Left Out: 12292.583+/-2.080 χ^2/NDF :1502548.3/24

Right Out: 13458.770+/-2.508 χ^2/NDF : 1266864.3/30

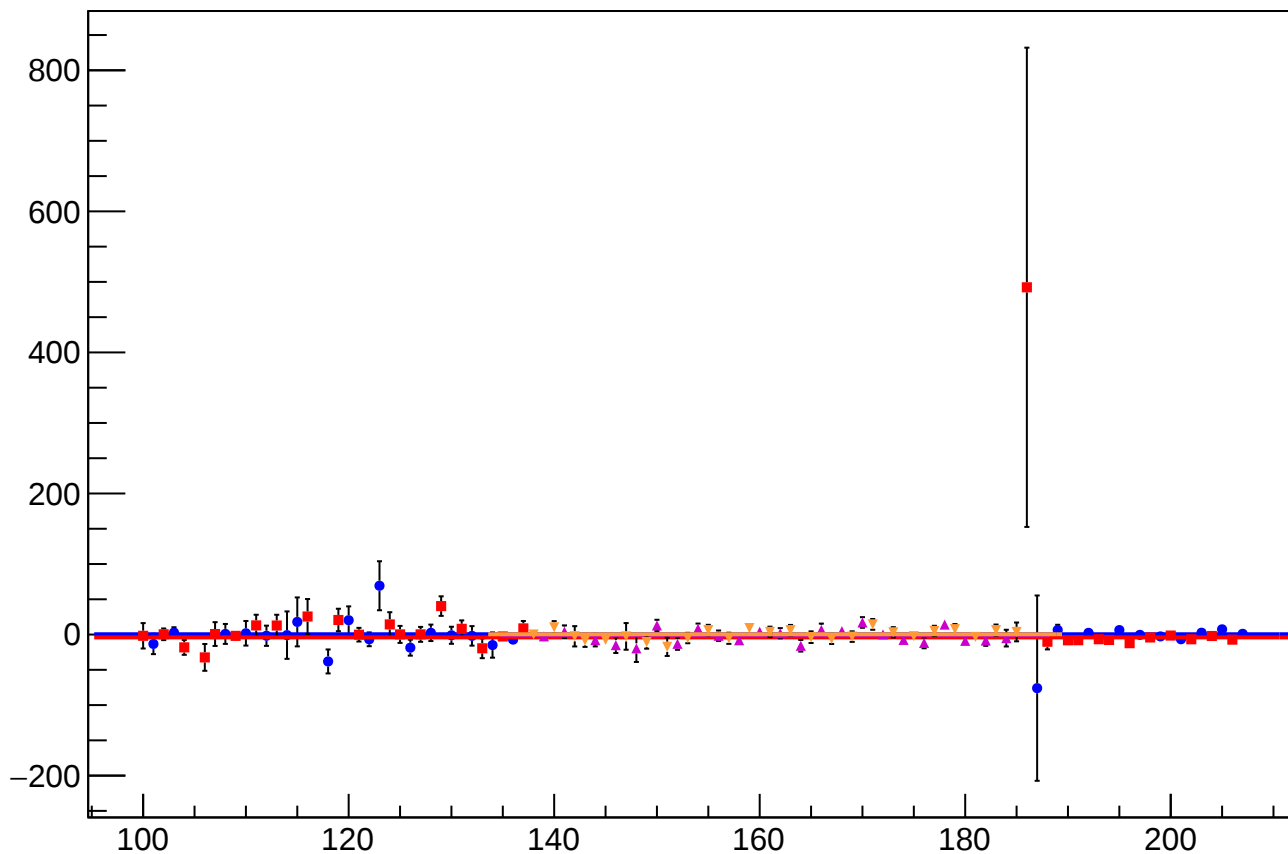
Left In: 12488.821+/-2.169 χ^2/NDF :1354485.4/22

+ sign 12688.691+/-1.621 χ^2/NDF : 2749840.3/51

All: 12794.964+/-1.153 χ^2/NDF : 5465474.4/100

- sign 12903.856+/-1.640 χ^2/NDF : 2706928.1/53

diff_bpm11Y_mean vs Slug



Right In: 0.416 ± 1.403 χ^2/NDF : 26.0/26

Left Out: 0.410 ± 1.435 χ^2/NDF : 19.3/24

Right Out: -4.047 ± 1.346 χ^2/NDF : 34.3/30

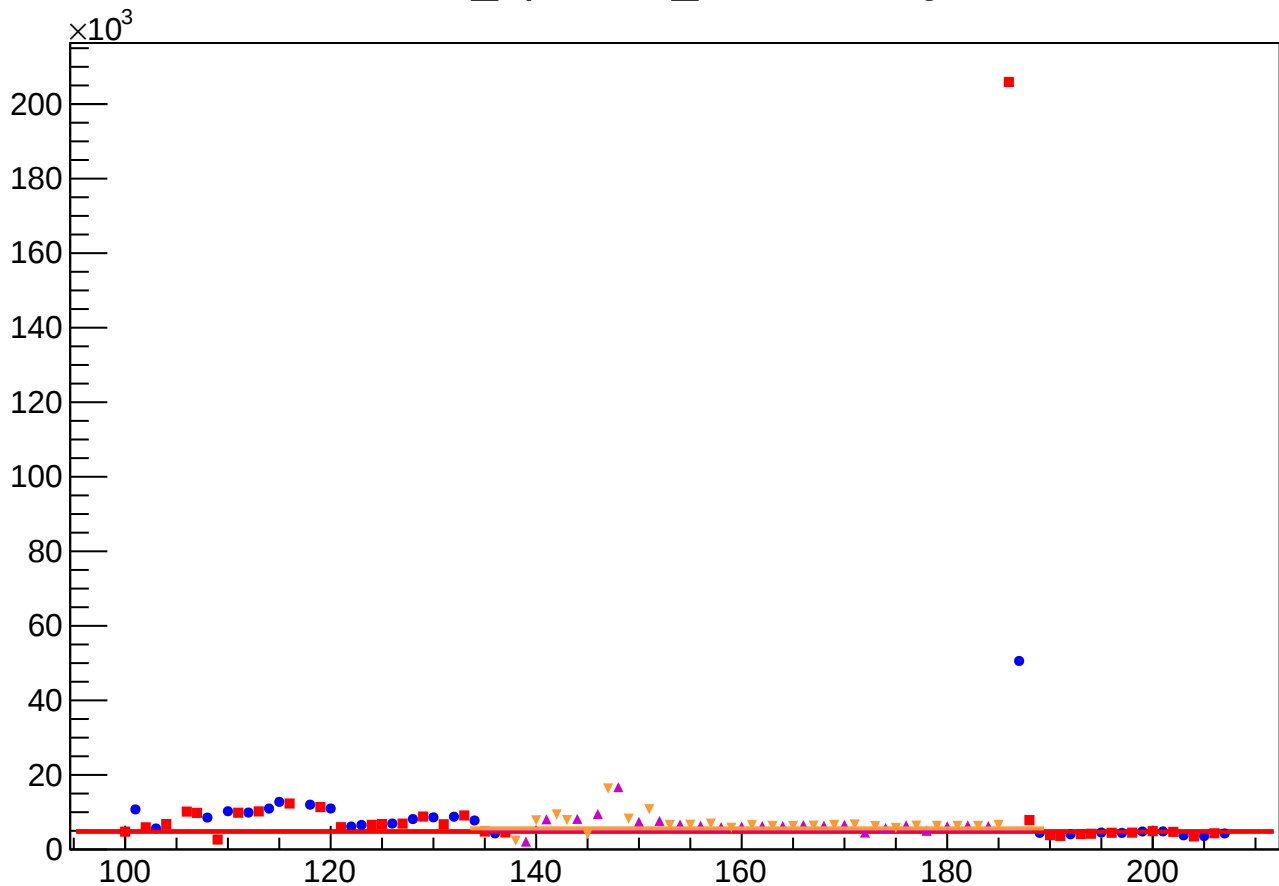
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign 0.413 ± 1.003 χ^2/NDF : 45.3/51

All: -1.205 ± 0.696 χ^2/NDF : 120.6/105

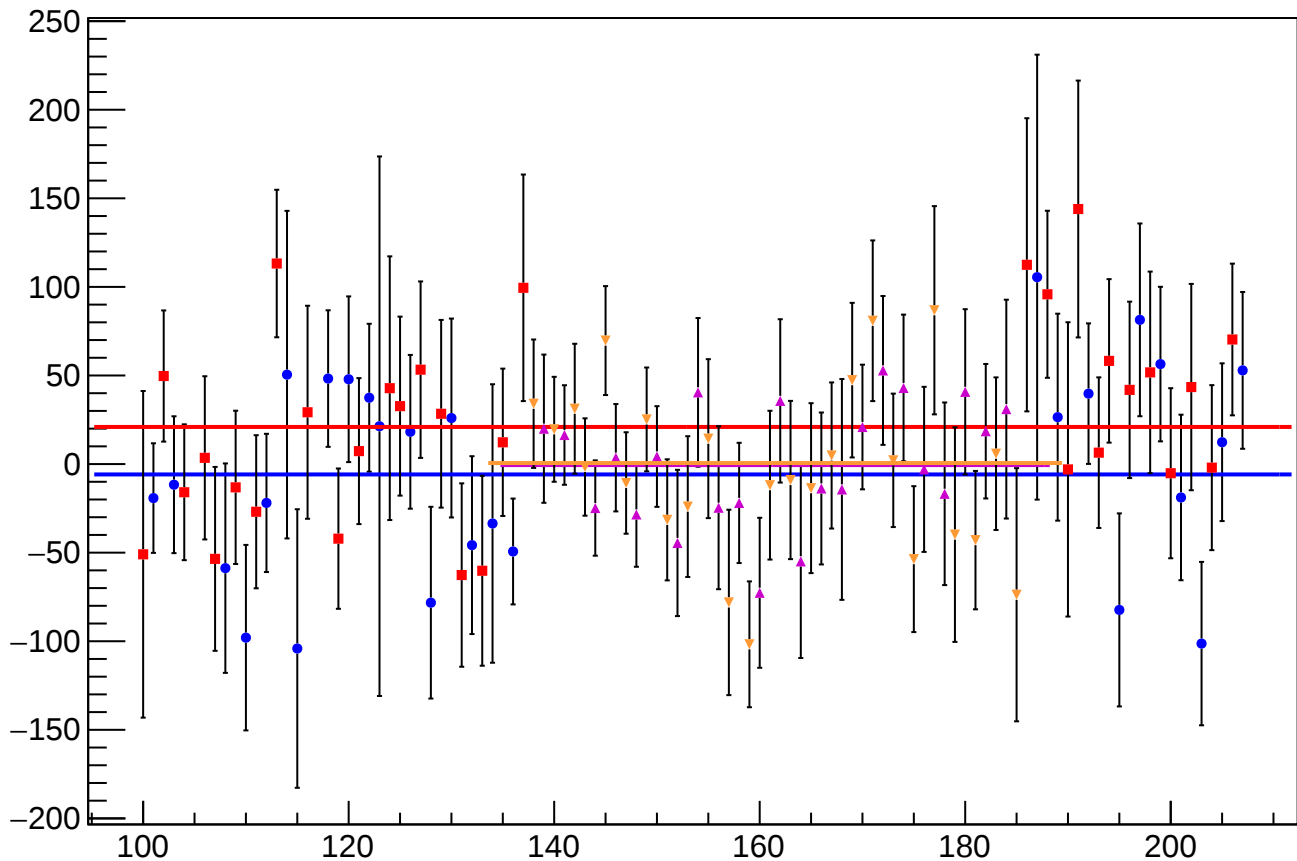
- sign -2.703 ± 0.965 χ^2/NDF : 70.4/53

diff_bpm11Y_rms vs Slug



Right In: 4866.220 ± 0.992 $\chi^2/\text{NDF}: 3037685.1/26$ + sign 5252.190 ± 0.709 $\chi^2/\text{NDF}: 7471315.4/51$
 Left Out: 5655.639 ± 1.014 $\chi^2/\text{NDF}: 4124124.3/24$ All: 5098.133 ± 0.492 $\chi^2/\text{NDF}: 16735805.5/100$
 Right Out: 4742.883 ± 0.952 $\chi^2/\text{NDF}: 3720811.6/30$ - sign 4955.426 ± 0.683 $\chi^2/\text{NDF}: 9173620.2/53$
 Left In: 5180.743 ± 0.980 $\chi^2/\text{NDF}: 5350053.6/22$

diff_bpm12X_mean vs Slug



Right In: -5.857 ± 9.107 χ^2/NDF : 31.2/26

Left Out: 0.580 ± 7.691 χ^2/NDF : 31.0/24

Right Out: 20.954 ± 8.839 χ^2/NDF : 30.8/30

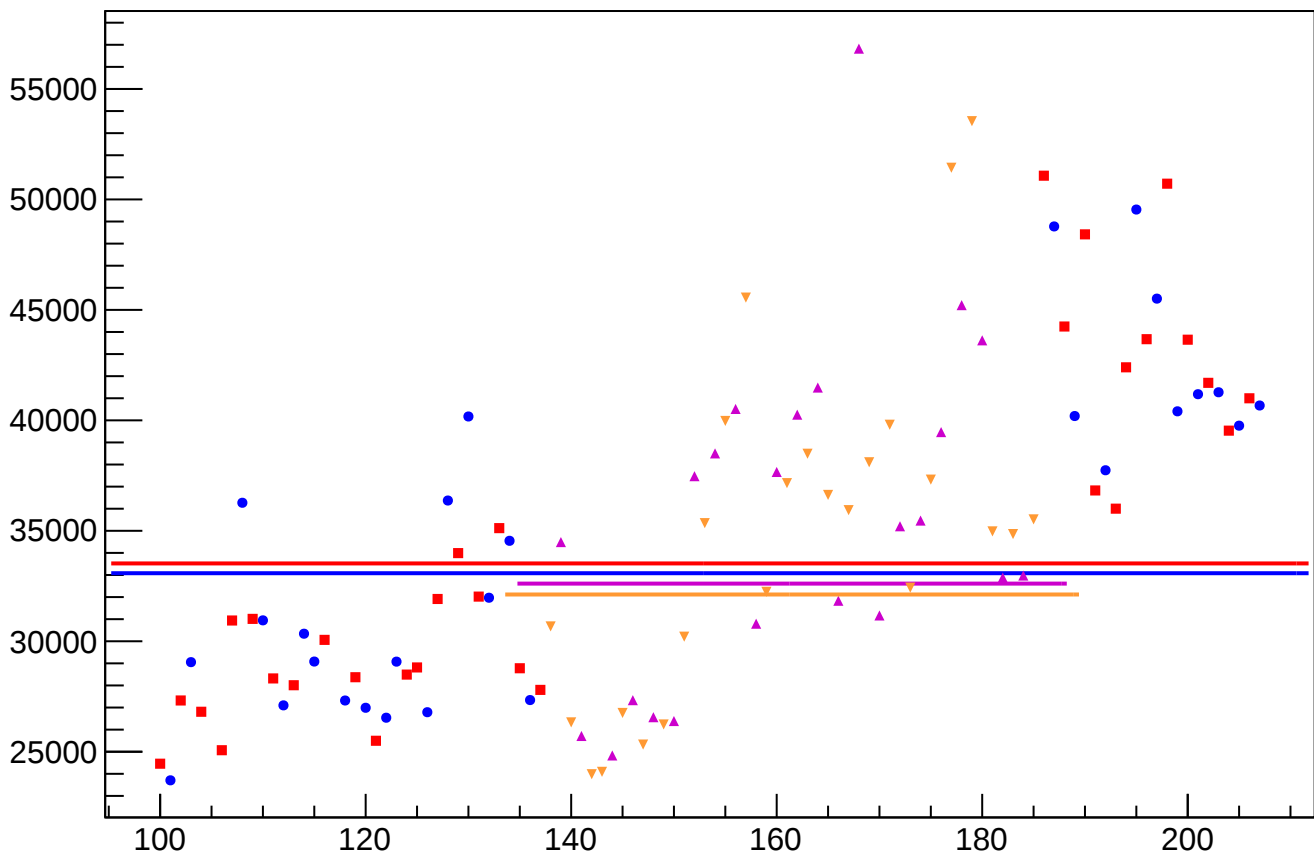
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -2.099 ± 5.876 χ^2/NDF : 62.5/51

All: 3.464 ± 4.176 χ^2/NDF : 112.6/105

- sign 9.145 ± 5.937 χ^2/NDF : 48.3/53

diff_bpm12X_rms vs Slug



Right In: 33080.312 $\pm$ 6.440 χ^2 /NDF: 1213779.3/26

Left Out: 32117.184 $\pm$ 5.438 χ^2 /NDF:1536740.0/24

Right Out: 33523.558 $\pm$ 6.250 χ^2 /NDF: 1302018.7/30

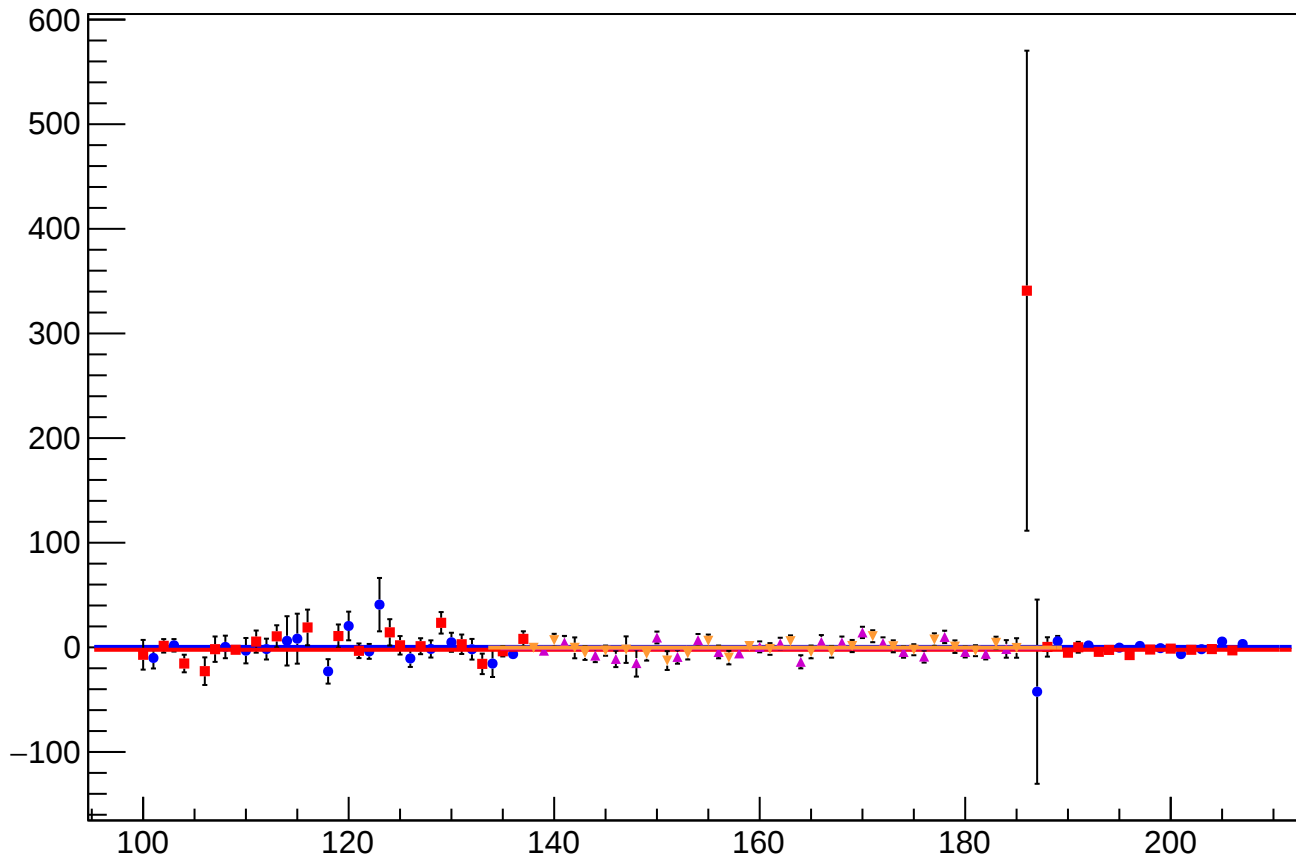
Left In: 32610.108 $\pm$ 5.667 χ^2 /NDF:1398475.8/22

+ sign 32518.082 $\pm$ 4.155 χ^2 /NDF: 2763576.0/51

All: 32767.560 $\pm$ 2.953 χ^2 /NDF: 5483079.4/100

- sign 33022.268 $\pm$ 4.198 χ^2 /NDF: 2712217.2/53

diff_bpm12Y_mean vs Slug



Right In: 0.426 ± 0.872 χ^2/NDF : 31.7/26

Left Out: -0.255 ± 1.173 χ^2/NDF : 18.0/24

Right Out: -2.324 ± 0.886 χ^2/NDF : 29.2/30

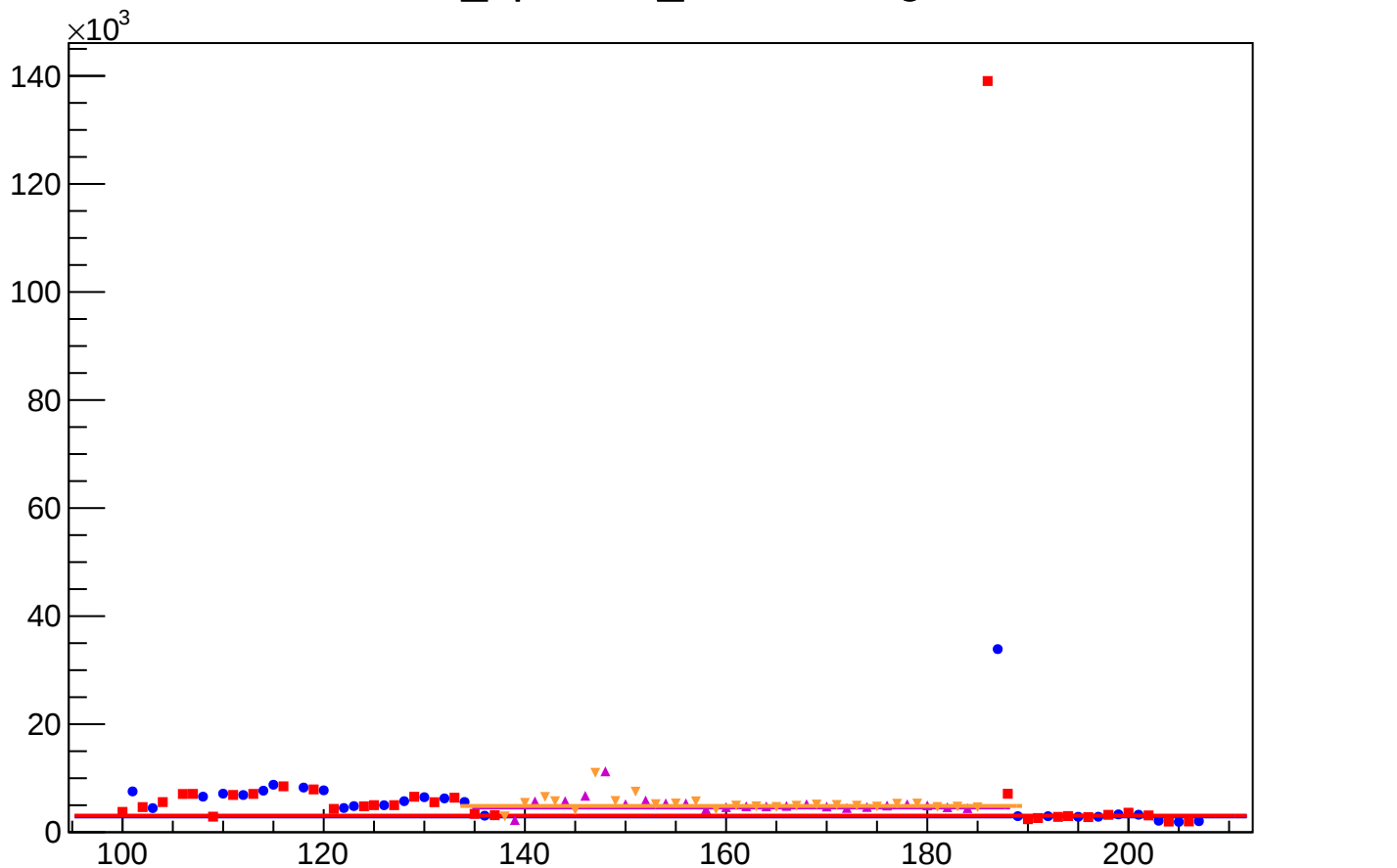
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign 0.183 ± 0.700 χ^2/NDF : 49.9/51

All: -0.807 ± 0.496 χ^2/NDF : 120.2/105

- sign -1.805 ± 0.703 χ^2/NDF : 66.2/53

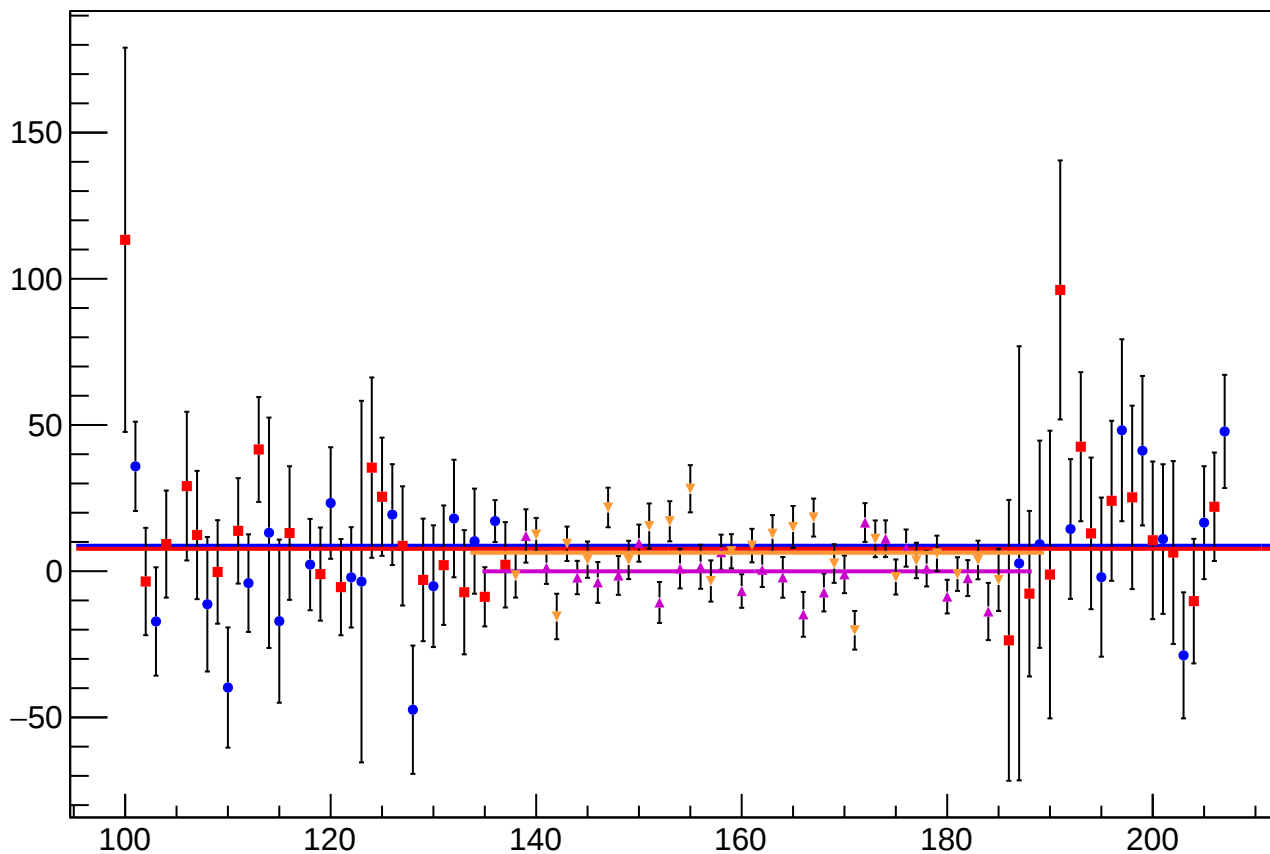
diff_bpm12Y_rms vs Slug



Right In: 2928.562 ± 0.617 χ^2/NDF : 4575226.7/26
 Left Out: 4866.528 ± 0.829 χ^2/NDF : 1511486.2/24
 Right Out: 3069.689 ± 0.627 χ^2/NDF : 4971401.6/30
 Left In: 4582.193 ± 0.816 χ^2/NDF : 2478681.0/22

+ sign 3618.809 ± 0.495 χ^2/NDF : 9602236.7/51
 All: 3624.925 ± 0.351 χ^2/NDF : 19214187.9/1
 - sign 3631.093 ± 0.497 χ^2/NDF : 9611644.5/53

diff_bpm16X_mean vs Slug



Right In: 8.700 ± 3.628 χ^2/NDF : 33.8/26

Left Out: 6.302 ± 1.313 χ^2/NDF : 56.7/24

Right Out: 7.658 ± 3.741 χ^2/NDF : 22.4/30

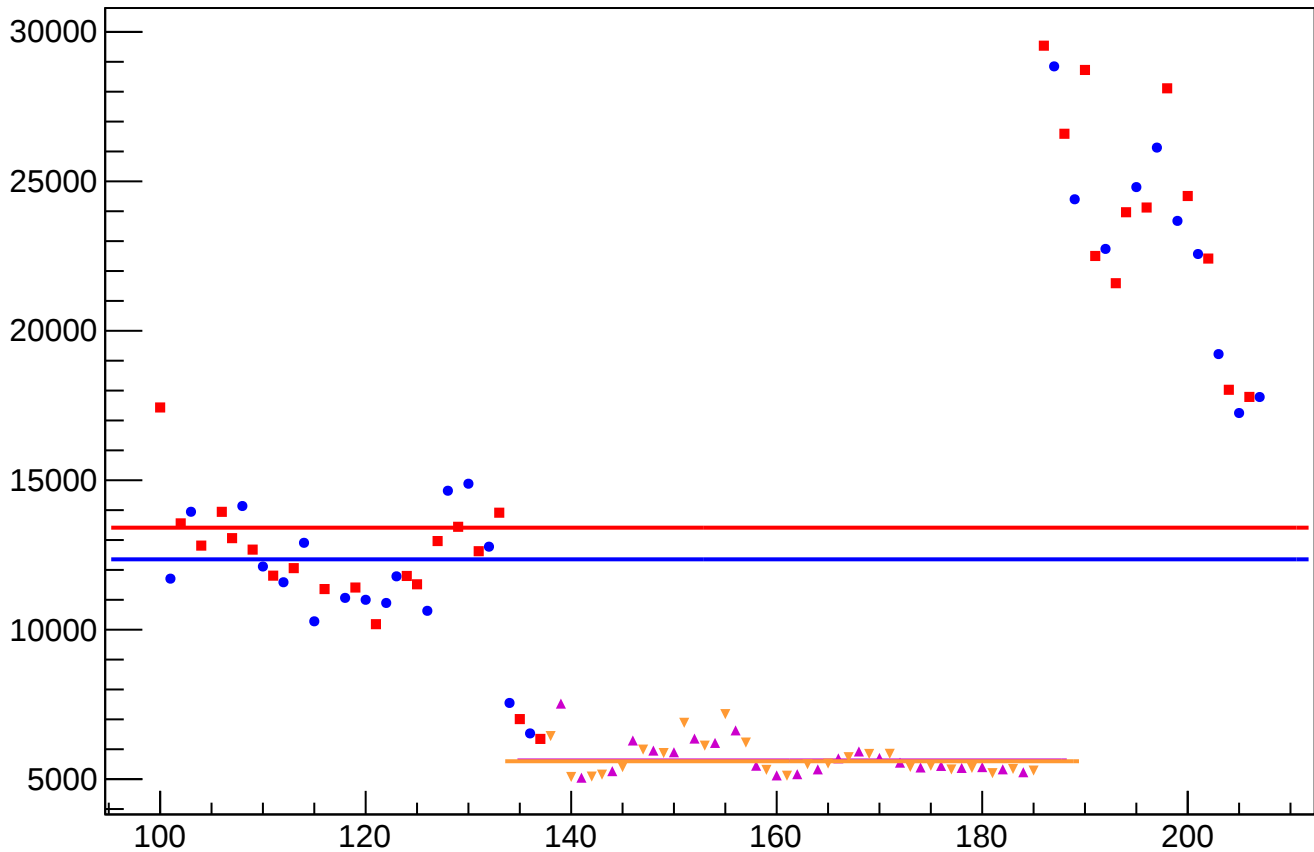
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.580 ± 1.234 χ^2/NDF : 90.9/51

All: 3.812 ± 0.887 χ^2/NDF : 157.5/105

- sign 0.852 ± 1.276 χ^2/NDF : 56.2/53

diff_bpm16X_rms vs Slug



Right In: 12354.108+/-2.565 χ^2/NDF : 4341670.5/26

Left Out: 5598.786+/-0.928 χ^2/NDF : 283253.4/24

+ sign 6380.654+/-0.873 χ^2/NDF : 10756548.8/51

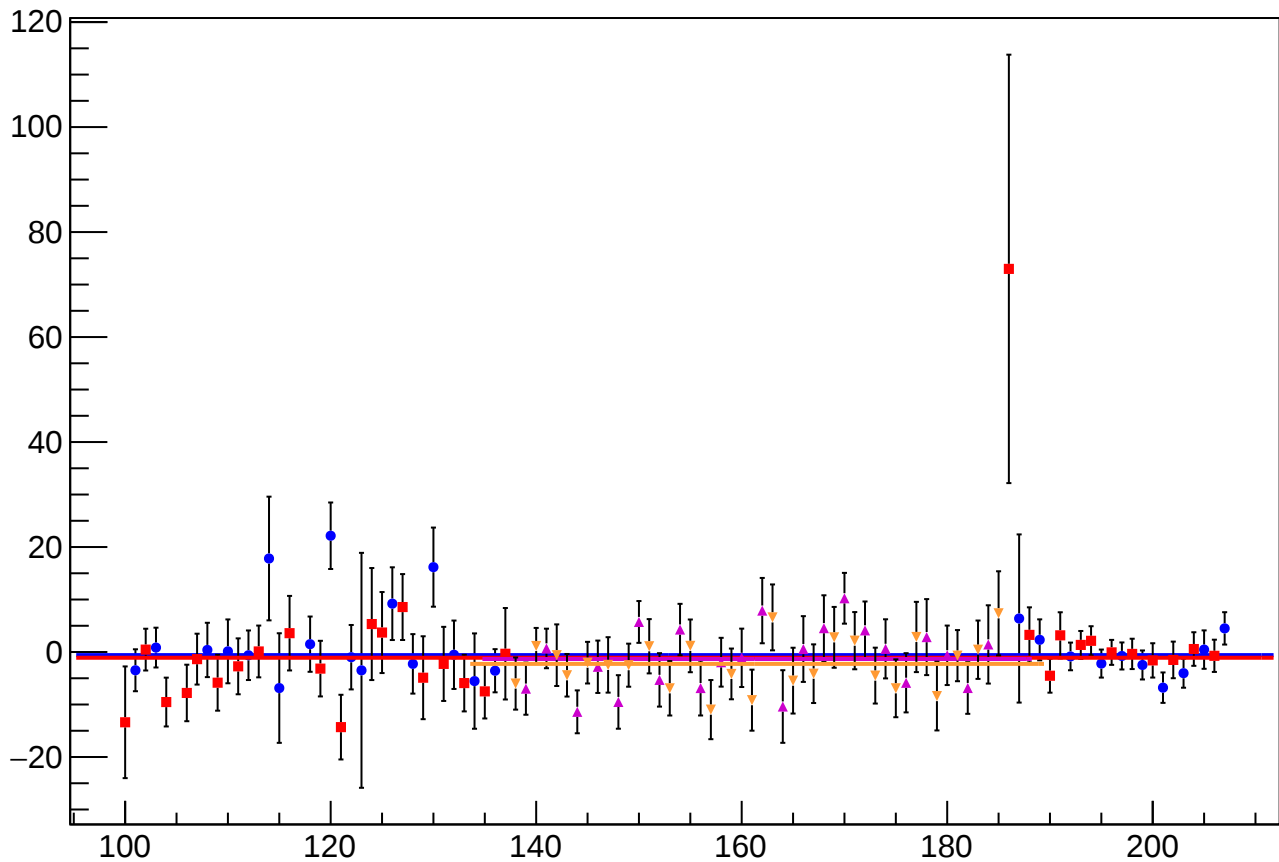
Right Out: 13413.392+/-2.645 χ^2/NDF : 4392309.4/30

All: 6453.640+/-0.627 χ^2/NDF : 23095667.0/100

Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

- sign 6531.678+/-0.902 χ^2/NDF : 12324647.2/53

diff_bpm16Y_mean vs Slug



Right In: -0.589 ± 0.796 χ^2/NDF : 35.0/26

Left Out: -2.262 ± 1.030 χ^2/NDF : 15.5/24

Right Out: -1.092 ± 0.769 χ^2/NDF : 27.0/30

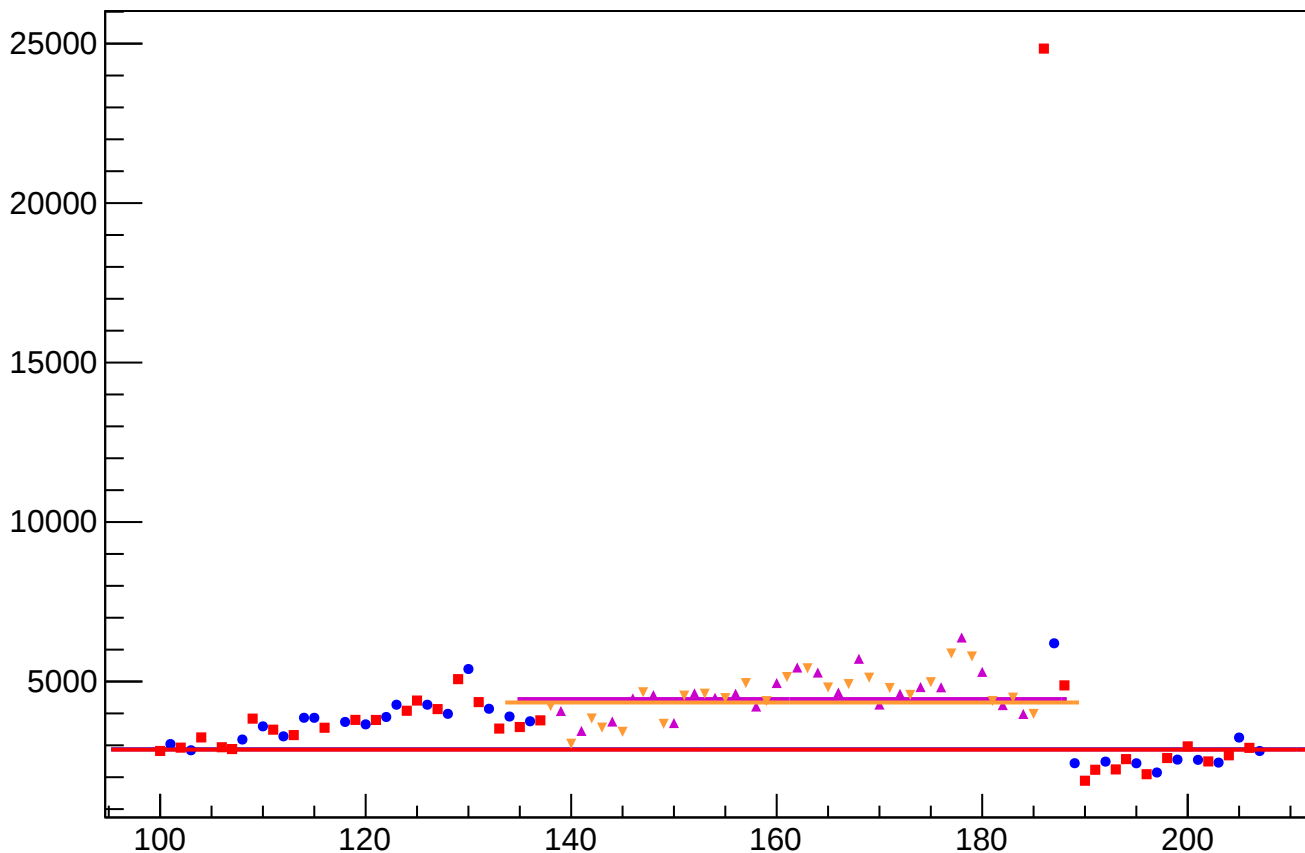
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.215 ± 0.630 χ^2/NDF : 52.1/51

All: -1.193 ± 0.444 χ^2/NDF : 109.8/105

- sign -1.171 ± 0.627 χ^2/NDF : 57.7/53

diff_bpm16Y_rms vs Slug



Right In: 2874.525+/-0.563 χ^2/NDF : 1293048.1/26

Left Out: 4342.635+/-0.728 χ^2/NDF : 993035.5/24

Right Out: 2864.548+/-0.543 χ^2/NDF : 2264234.5/30

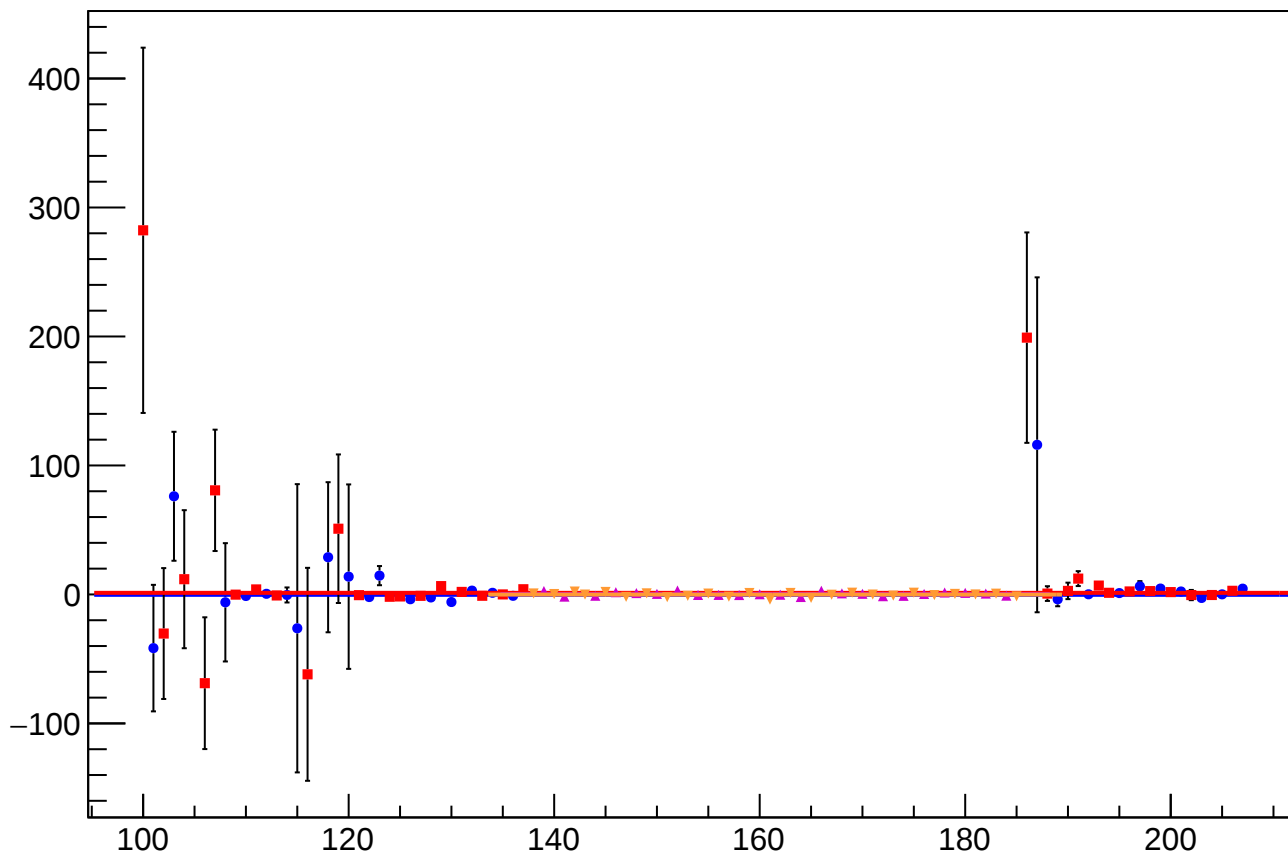
Left In: 4450.007+/-0.765 χ^2/NDF : 693229.8/22

+ sign 3423.642+/-0.445 χ^2/NDF : 4828840.7/51

All: 3409.849+/-0.314 χ^2/NDF : 10642397.6/100

- sign 3396.205+/-0.443 χ^2/NDF : 5811650.0/53

diff_bpm1p02bX_mean vs Slug



Right In: -0.294 ± 0.603 χ^2/NDF : 31.5/26

Left Out: -0.092 ± 0.249 χ^2/NDF : 34.4/24

Right Out: 1.236 ± 0.590 χ^2/NDF : 35.5/30

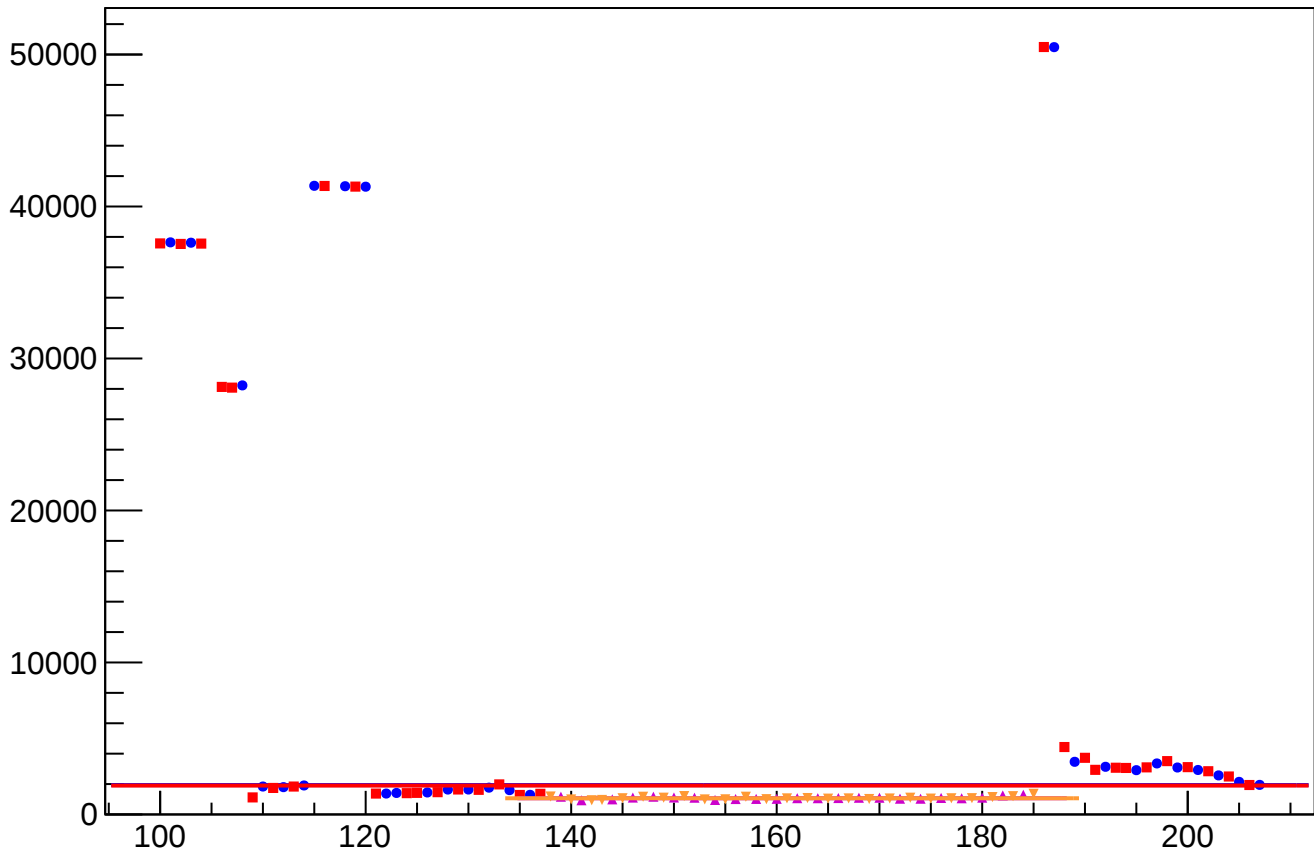
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.121 ± 0.230 χ^2/NDF : 66.1/51

All: 0.141 ± 0.165 χ^2/NDF : 133.7/105

- sign 0.415 ± 0.236 χ^2/NDF : 65.0/53

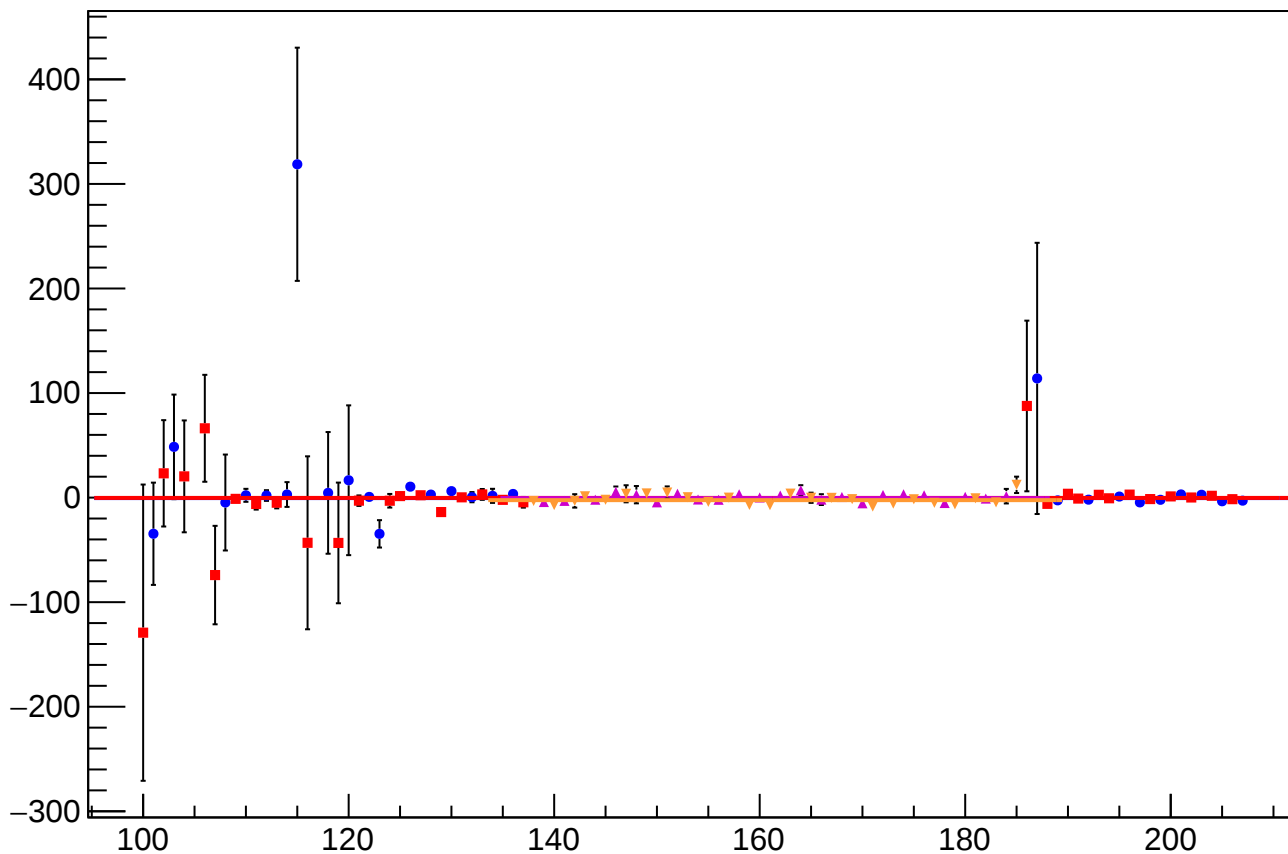
diff_bpm1p02bX_rms vs Slug



Right In: 1931.885 $\pm$ 0.426 χ^2 /NDF: 6919899.7/26
 Left Out: 1064.701 $\pm$ 0.176 χ^2 /NDF: 186511.5/24
 Right Out: 1901.895 $\pm$ 0.417 χ^2 /NDF: 8340255.7/30
 Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF: 164232.1/22

+ sign 1191.211 $\pm$ 0.163 χ^2 /NDF: 10644051.1/51
 All: 1195.284 $\pm$ 0.116 χ^2 /NDF: 22523633.0/51
 - sign 1199.551 $\pm$ 0.167 χ^2 /NDF: 11878299.3/53

diff_bpm1p02bY_mean vs Slug



Right In: -0.447 ± 0.581 χ^2/NDF : 48.5/26

Left Out: -2.422 ± 0.811 χ^2/NDF : 21.2/24

Right Out: -0.297 ± 0.594 χ^2/NDF : 30.3/30

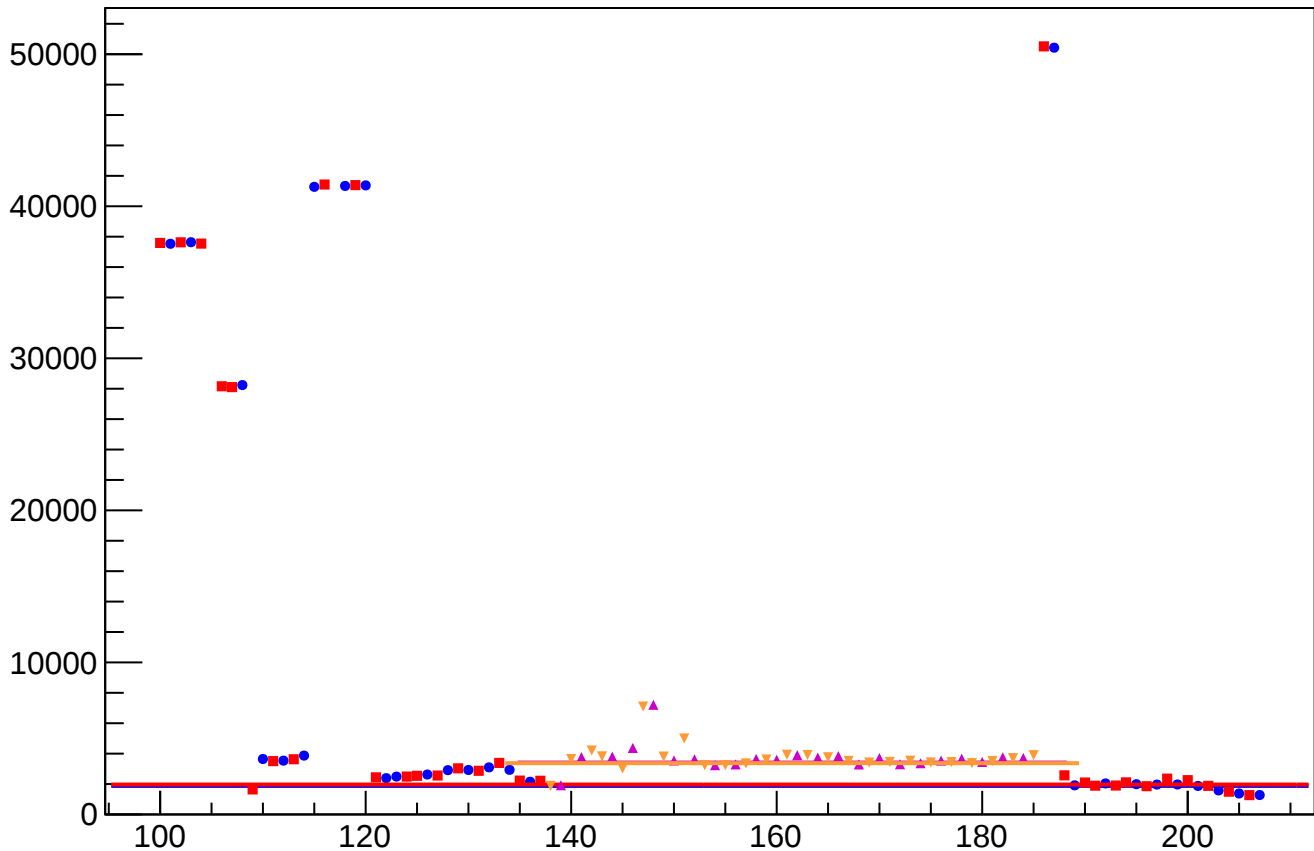
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -1.118 ± 0.472 χ^2/NDF : 73.7/51

All: -0.747 ± 0.339 χ^2/NDF : 120.7/105

- sign -0.354 ± 0.486 χ^2/NDF : 45.8/53

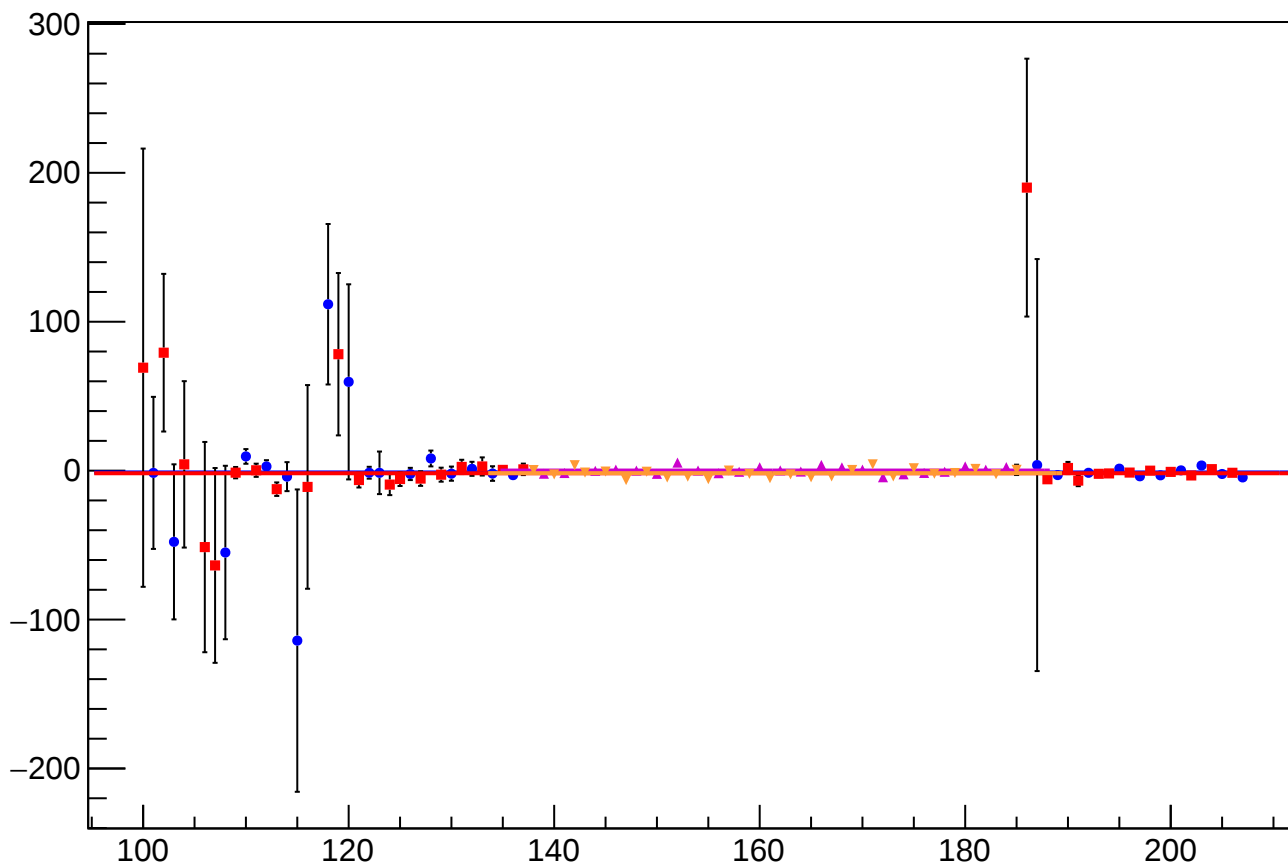
diff_bpm1p02bY_rms vs Slug



Right In: 1879.062 $\pm$ 0.411 χ^2 /NDF: 6451588.6/26
 Left Out: 3372.958 $\pm$ 0.573 χ^2 /NDF:1656864.7/24
 Right Out: 1966.615 $\pm$ 0.420 χ^2 /NDF: 6906874.9/30
 Left In: 3411.924 $\pm$ 0.596 χ^2 /NDF:1434523.7/22

+ sign 2386.646 $\pm$ 0.334 χ^2 /NDF: 12593969.5/51
 All: 2415.868 $\pm$ 0.239 χ^2 /NDF: 24878339.2/100
 - sign 2446.763 $\pm$ 0.344 χ^2 /NDF: 12268629.7/53

diff_bpm1p03aX_mean vs Slug



Right In: -1.196 ± 0.650 χ^2/NDF : 28.7/26

Left Out: -1.672 ± 0.388 χ^2/NDF : 45.7/24

Right Out: -1.748 ± 0.650 χ^2/NDF : 28.8/30

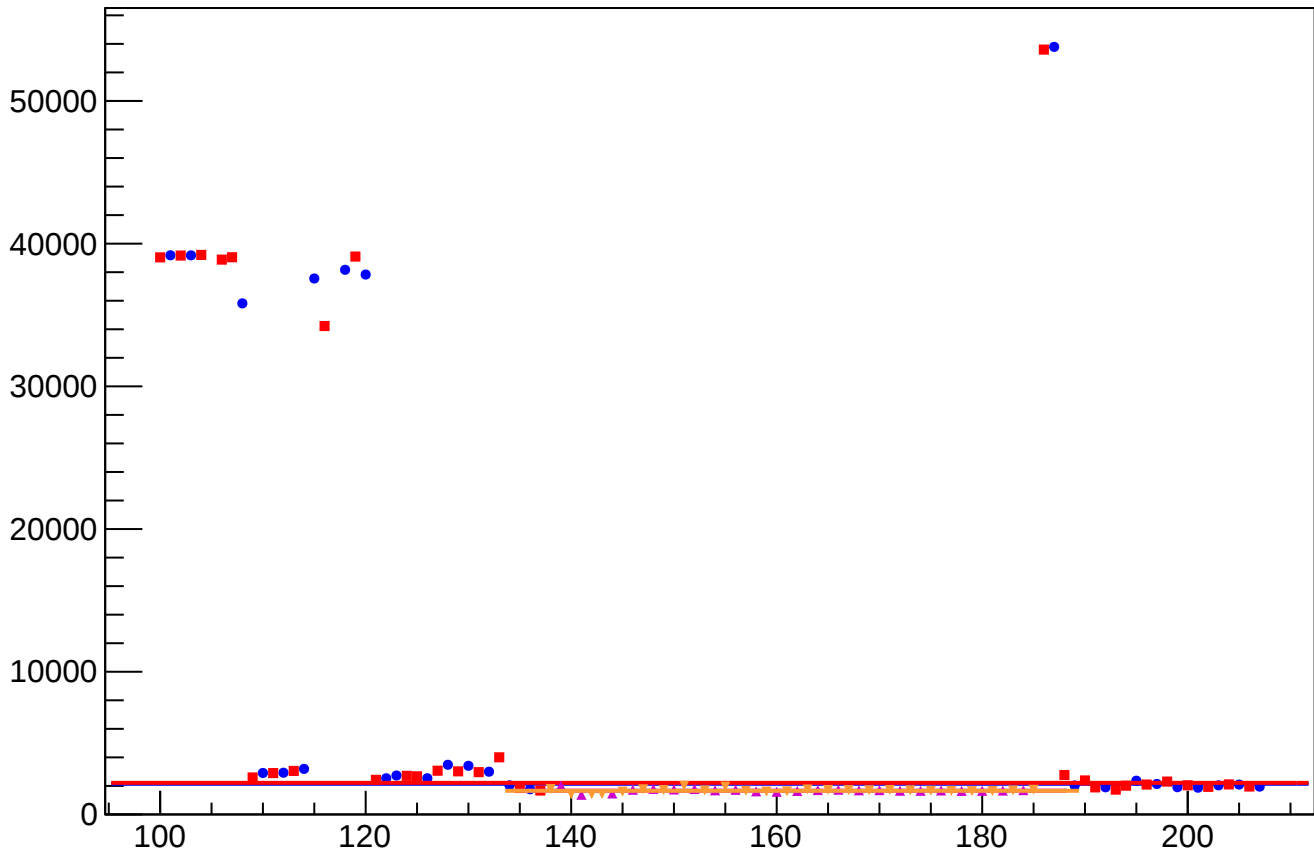
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.547 ± 0.333 χ^2/NDF : 74.7/51

All: -1.002 ± 0.238 χ^2/NDF : 142.9/105

- sign -0.430 ± 0.341 χ^2/NDF : 62.7/53

diff_bpm1p03aX_rms vs Slug



Right In: 2149.598 $\pm$ 0.460 χ^2 /NDF: 5458489.3/26

Left Out: 1657.770 $\pm$ 0.274 χ^2 /NDF: 223465.3/24

Right Out: 2214.228 $\pm$ 0.460 χ^2 /NDF: 6062595.1/30

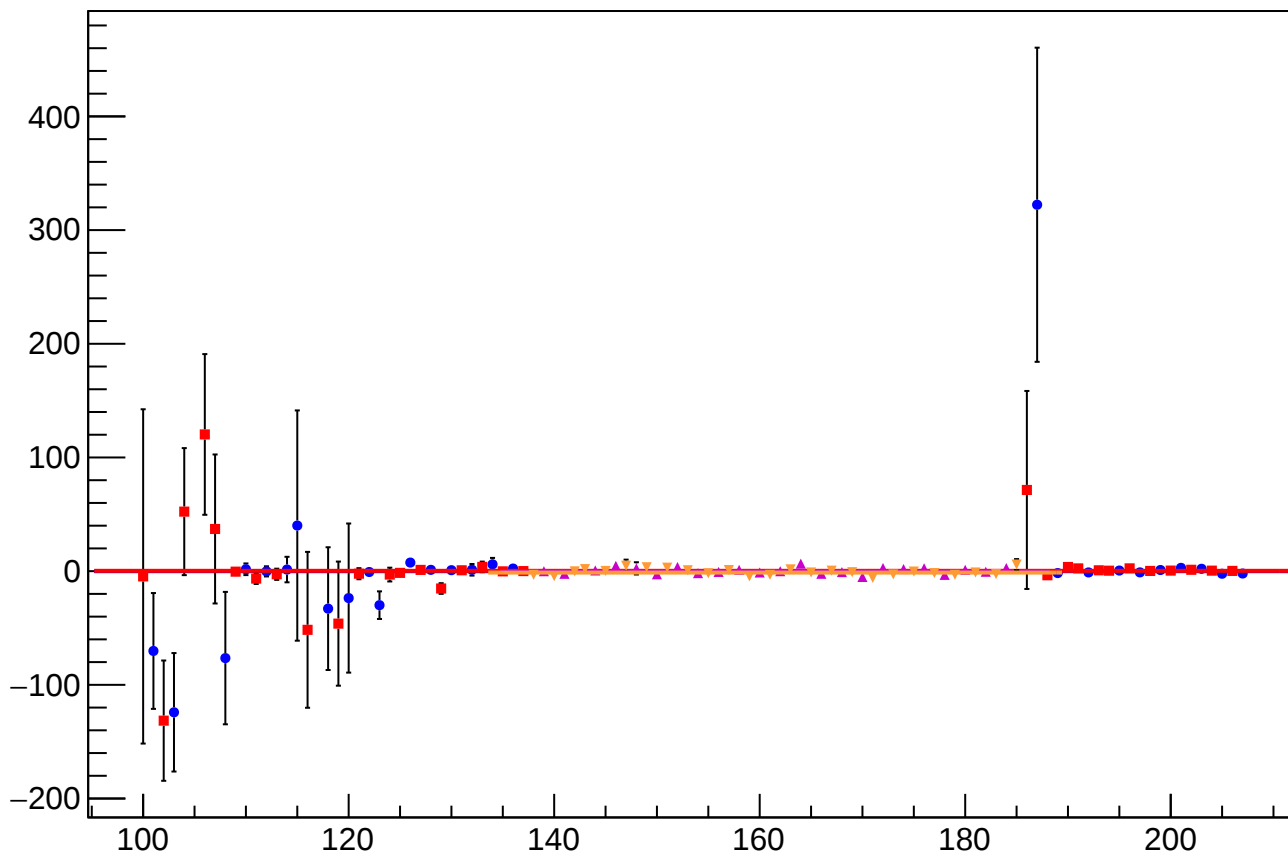
Left In: 1663.620 $\pm$ 0.284 χ^2 /NDF: 178858.2/22

+ sign 1786.935 $\pm$ 0.236 χ^2 /NDF: 6525594.4/51

All: 1800.828 $\pm$ 0.169 χ^2 /NDF: 13813374.5/100

- sign 1815.404 $\pm$ 0.241 χ^2 /NDF: 7280656.6/53

diff_bpm1p03aY_mean vs Slug



Right In: 0.005 ± 0.495 χ^2/NDF : 39.8/26

Left Out: -1.251 ± 0.535 χ^2/NDF : 21.7/24

Right Out: 0.297 ± 0.499 χ^2/NDF : 33.0/30

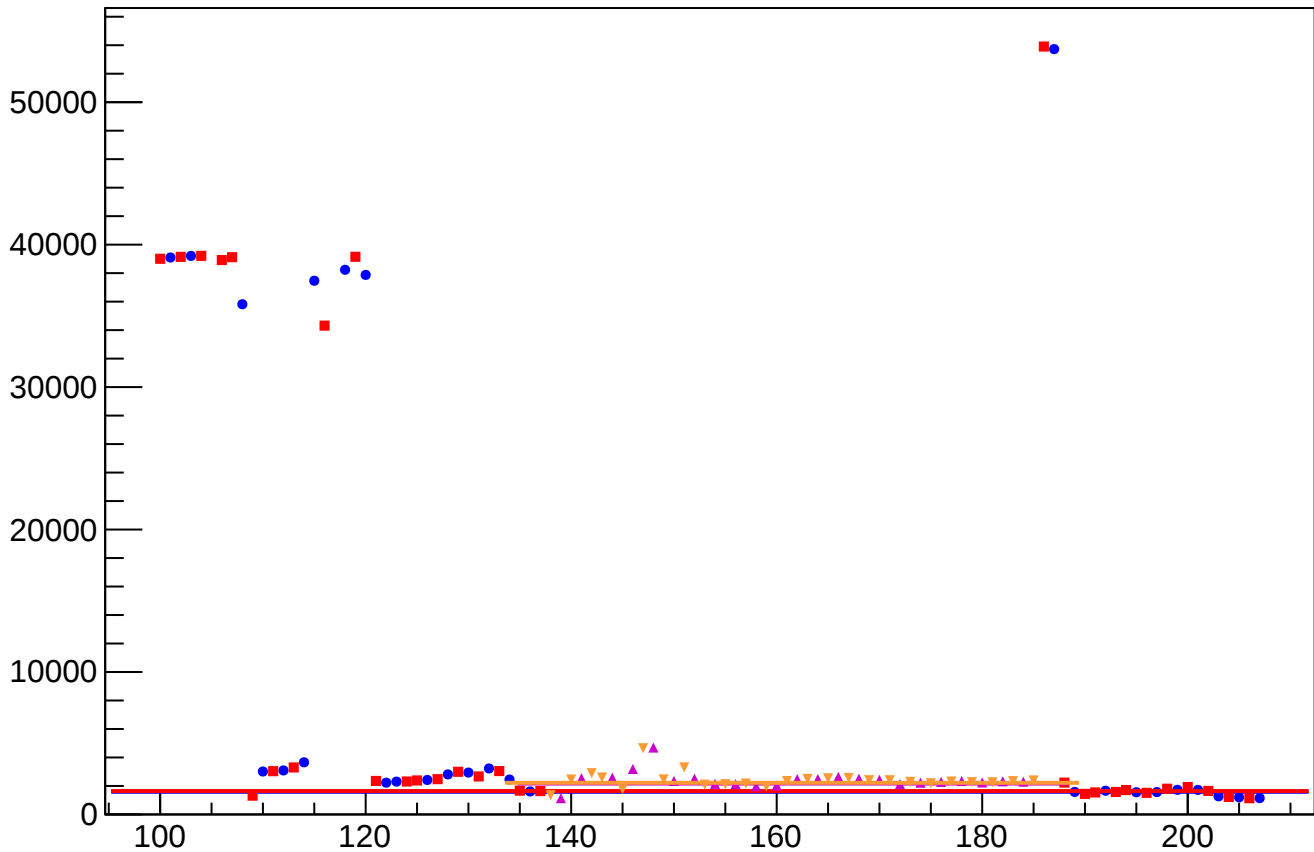
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.575 ± 0.363 χ^2/NDF : 64.5/51

All: -0.188 ± 0.258 χ^2/NDF : 119.1/105

- sign 0.205 ± 0.367 χ^2/NDF : 52.4/53

diff_bpm1p03aY_rms vs Slug



Right In: 1591.388+/-0.350 χ^2/NDF : 6688668.6/26

Left Out: 2222.081+/-0.378 χ^2/NDF : 1422440.9/24

Right Out: 1641.353+/-0.353 χ^2/NDF : 7170924.2/30

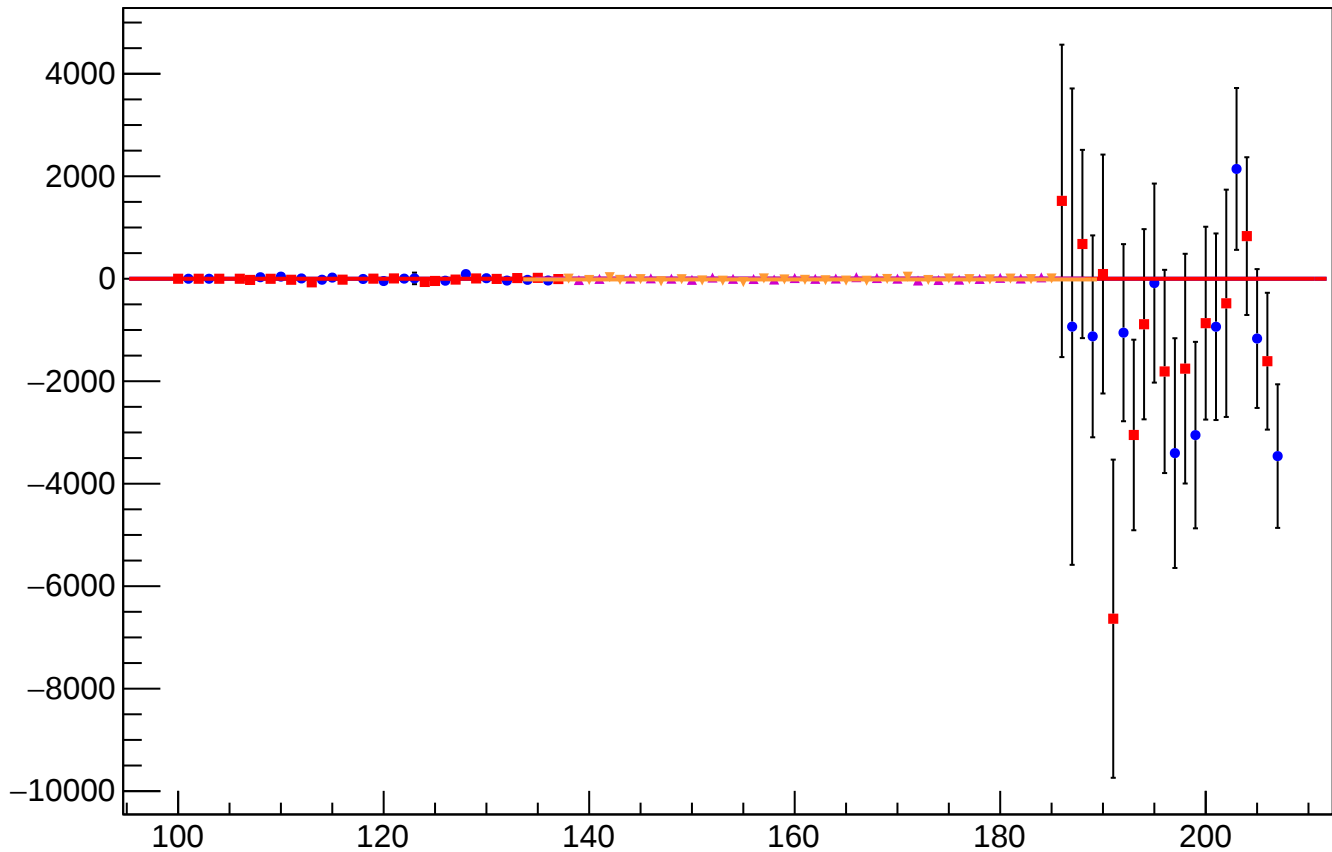
Left In: 2169.443+/-0.383 χ^2/NDF : 1974869.8/22

+ sign 1882.454+/-0.257 χ^2/NDF : 9607607.7/51

All: 1883.220+/-0.183 χ^2/NDF : 19782641.6/100

- sign 1884.002+/-0.259 χ^2/NDF : 10175015.9/53

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 31.4/26

Left Out: -13.484+/-2.800 χ^2/NDF : 58.7/24

Right Out: 0.003+/-0.016 χ^2/NDF : 26.8/30

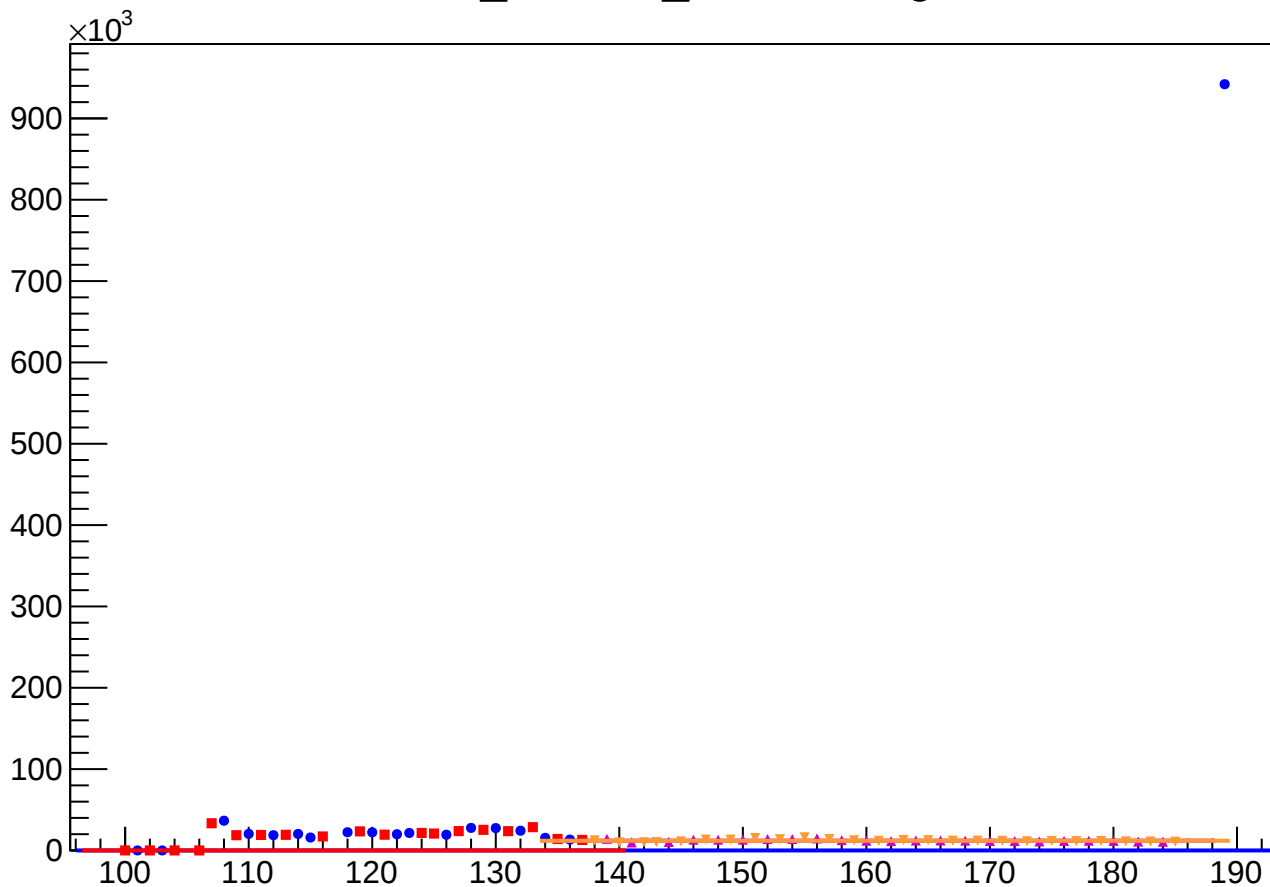
Left In: -0.459+/-2.917 χ^2/NDF : 29.0/22

+ sign 0.013+/-0.017 χ^2/NDF : 113.3/51

All: 0.008+/-0.012 χ^2/NDF : 169.3/105

- sign 0.003+/-0.016 χ^2/NDF : 55.8/53

diff_cav4bX_rms vs Slug



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 11125273.3/17

Left Out: 11910.325 $\pm$ 1.980 χ^2 /NDF: 476504.3/24

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11063399.8/18

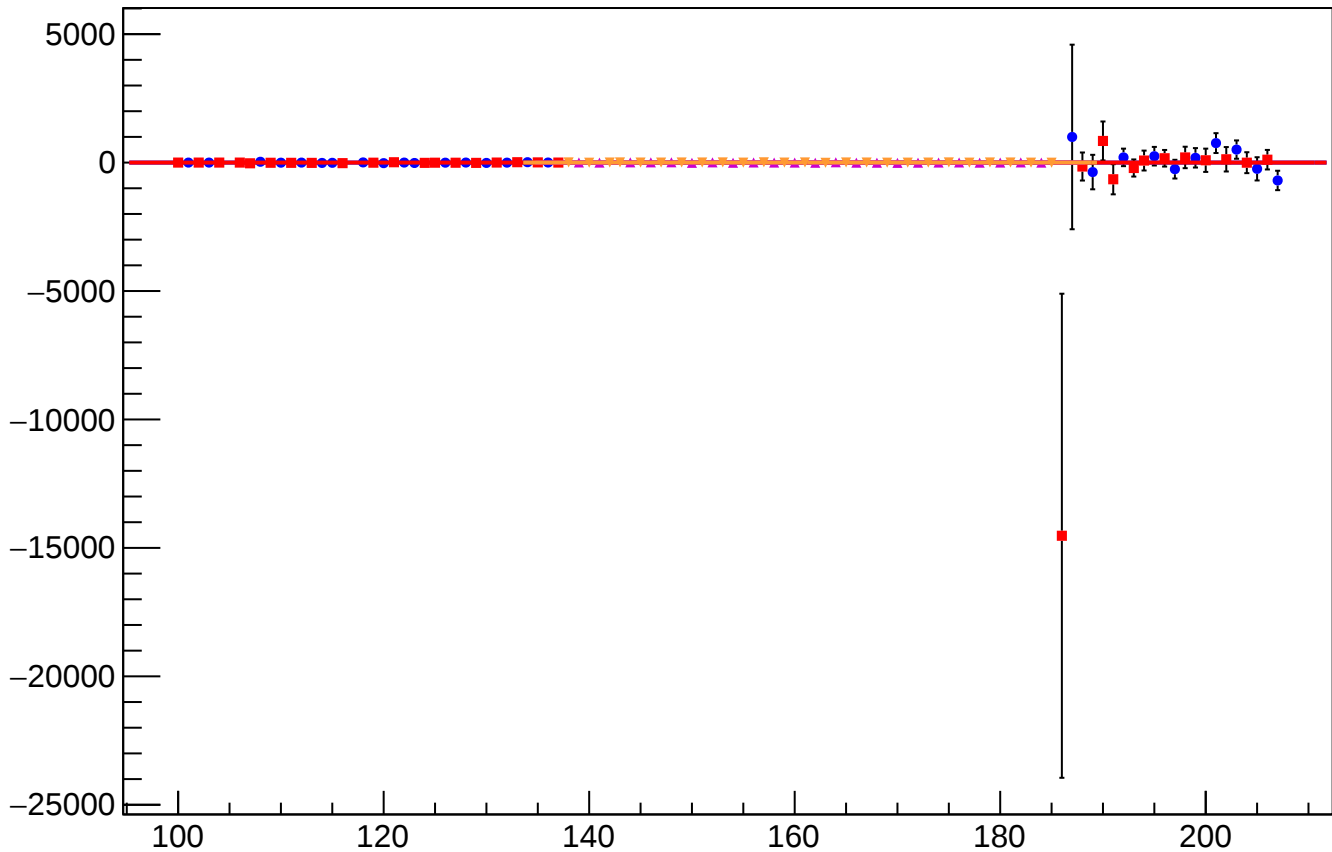
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

+ sign 19.097 $\pm$ 0.012 χ^2 /NDF: 47664922.8/42

All: 18.871 $\pm$ 0.008 χ^2 /NDF: 93213311.5/84

- sign 18.677 $\pm$ 0.011 χ^2 /NDF: 45547757.3/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 24.4/26

Left Out: 1.649 $\pm$ 1.022 χ^2 /NDF:18.4/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.8/30

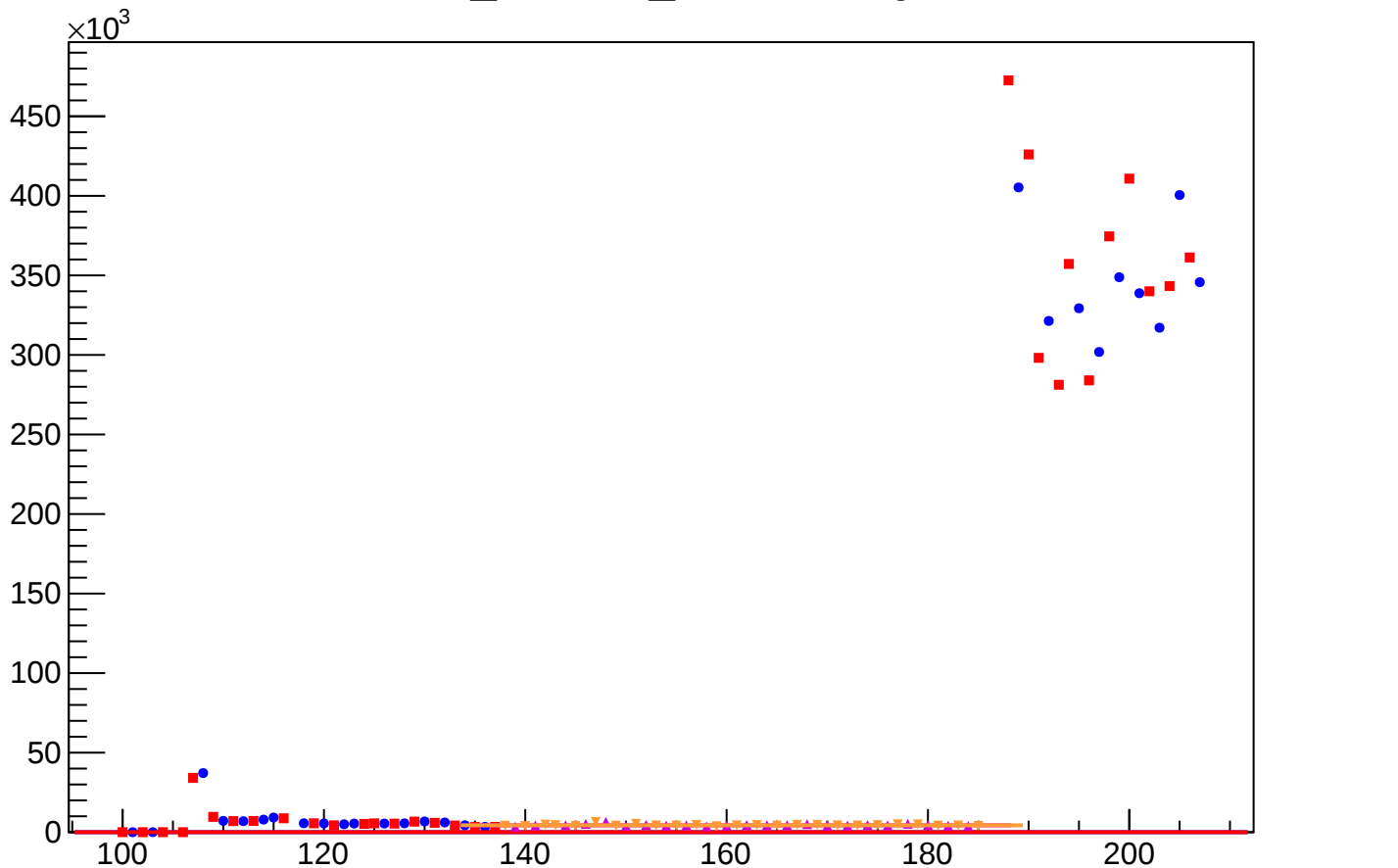
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 45.3/51

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 107.7/105

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 61.2/53

diff_cav4bY_rms vs Slug



Right In: 9.940 ± 0.007 χ^2/NDF : 24645342.9/25

Left Out: 4349.005 ± 0.723 χ^2/NDF : 383895.7/24

Right Out: 9.856 ± 0.006 χ^2/NDF : 25906547.0/29

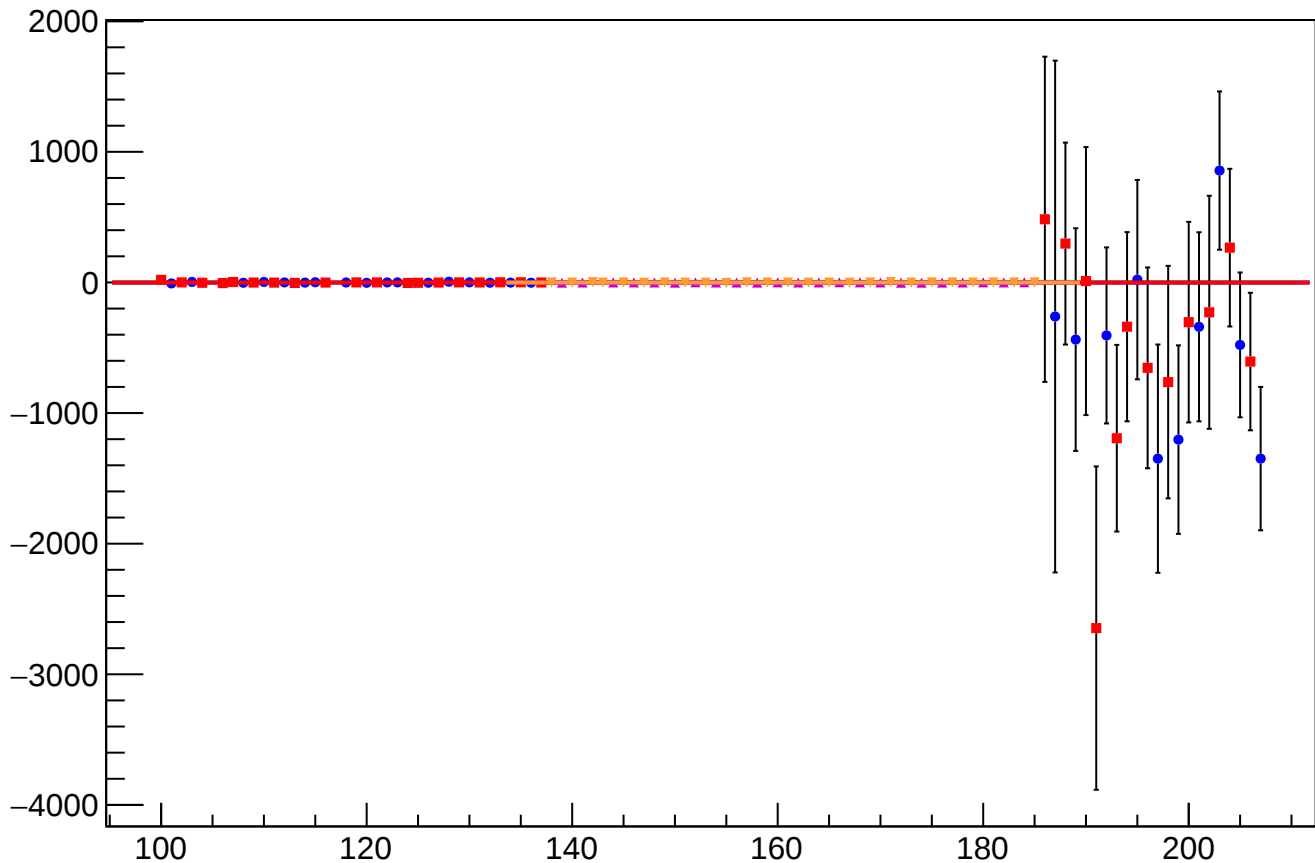
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.292 ± 0.007 χ^2/NDF : 61072744.2/50

All: 10.216 ± 0.004 χ^2/NDF : 121312902.4/100

- sign 10.149 ± 0.006 χ^2/NDF : 60239901.9/52

diff_cav4cX_mean vs Slug



Right In: -0.716 ± 0.483 χ^2/NDF : 37.5/26

Left Out: -0.775 ± 0.165 χ^2/NDF : 58.5/24

Right Out: -0.640 ± 0.501 χ^2/NDF : 24.1/30

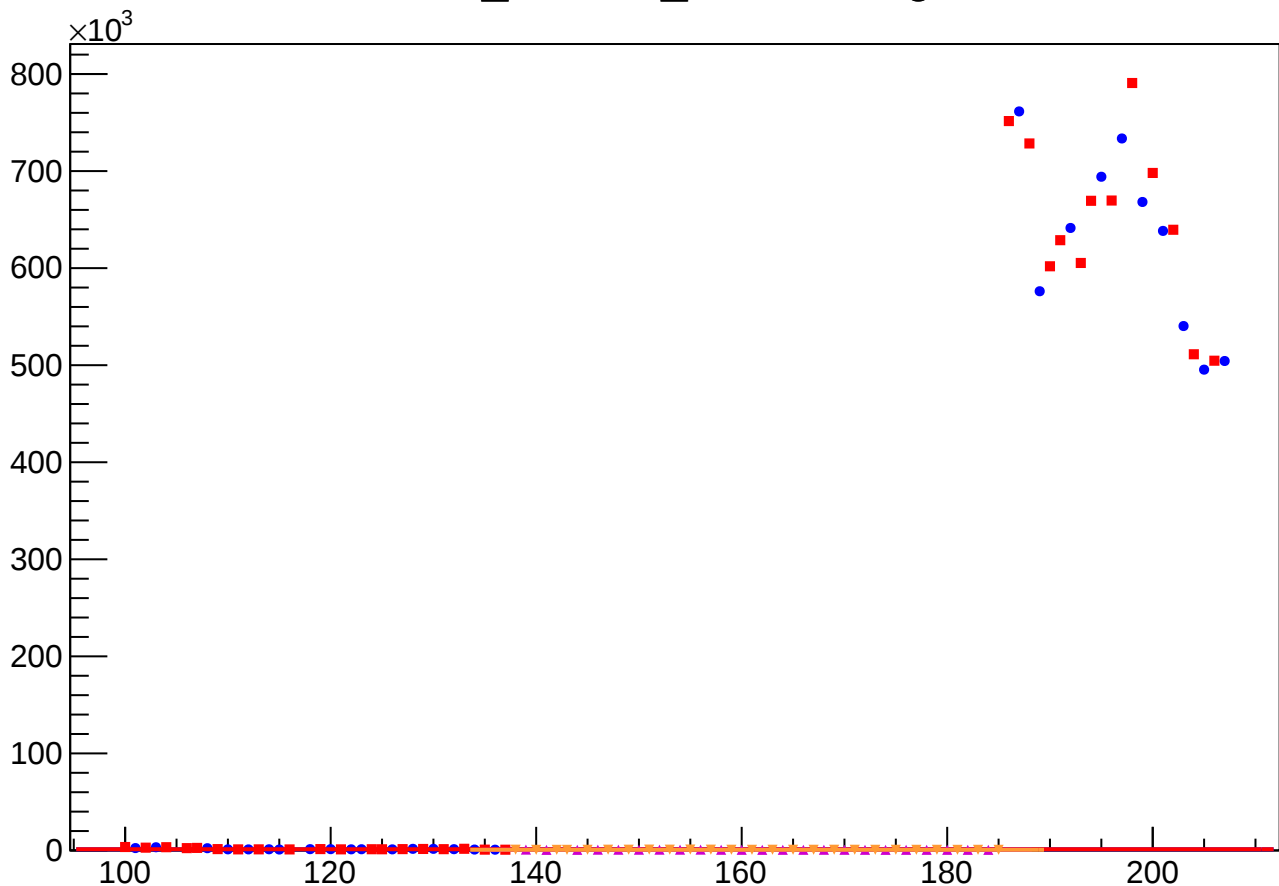
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 96.0/51

All: -0.439 ± 0.112 χ^2/NDF : 160.3/105

- sign -0.083 ± 0.162 χ^2/NDF : 54.9/53

diff_cav4cX_rms vs Slug



Right In: 1169.871 $\pm$ 0.342 χ^2 /NDF: 15753589.4/26

Left Out: 700.984 $\pm$ 0.116 χ^2 /NDF:392855.4/24

Right Out: 1251.034 $\pm$ 0.355 χ^2 /NDF: 17398745.4/30

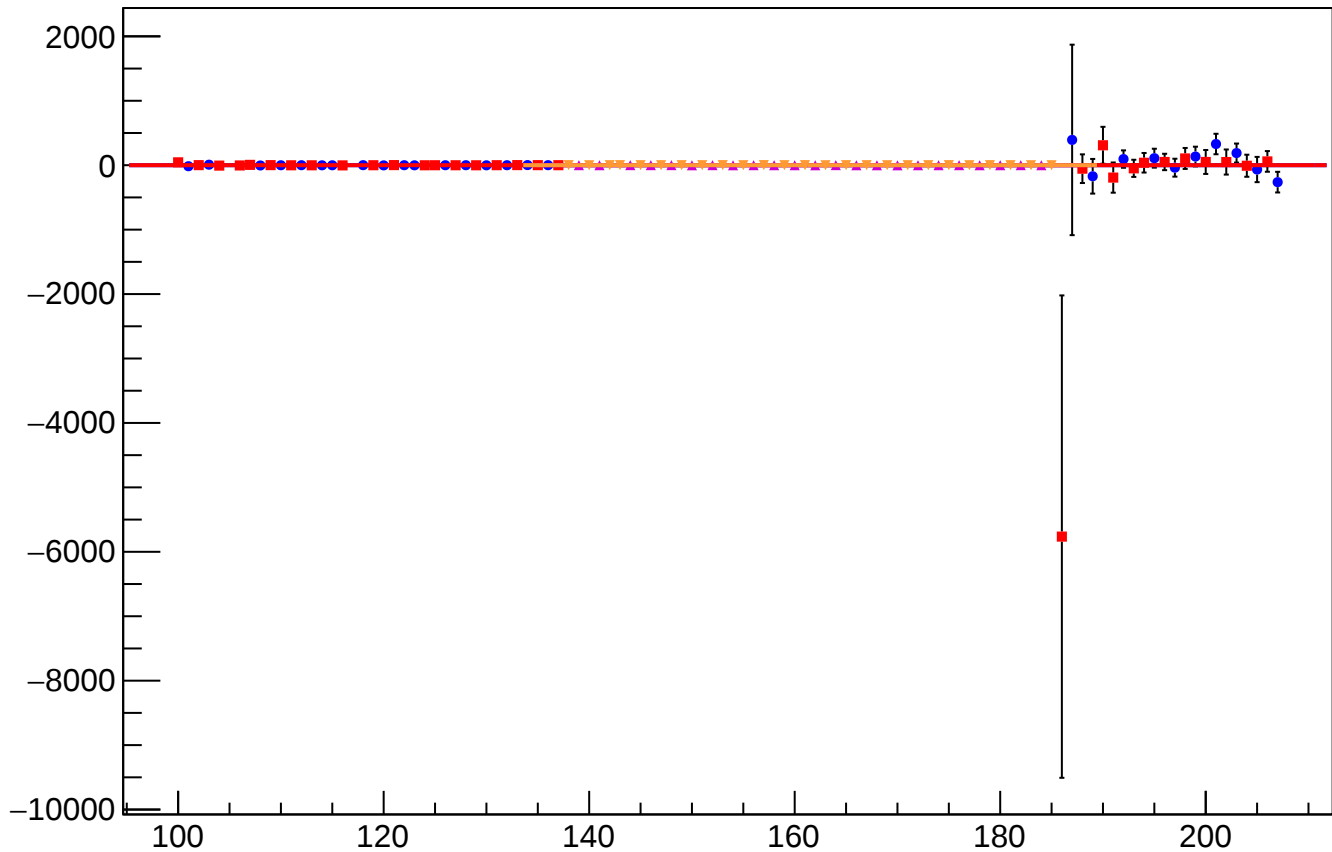
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF:332011.4/22

+ sign 749.738 $\pm$ 0.110 χ^2 /NDF: 17834447.8/51

All: 756.370 $\pm$ 0.079 χ^2 /NDF: 37682194.1/10

- sign 763.511 $\pm$ 0.114 χ^2 /NDF: 19840218.4/53

diff_cav4cY_mean vs Slug



Right In: -0.058 ± 0.269 χ^2/NDF : 30.2/26

Left Out: 0.233 ± 0.123 χ^2/NDF : 18.0/24

Right Out: 0.280 ± 0.264 χ^2/NDF : 25.8/30

Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

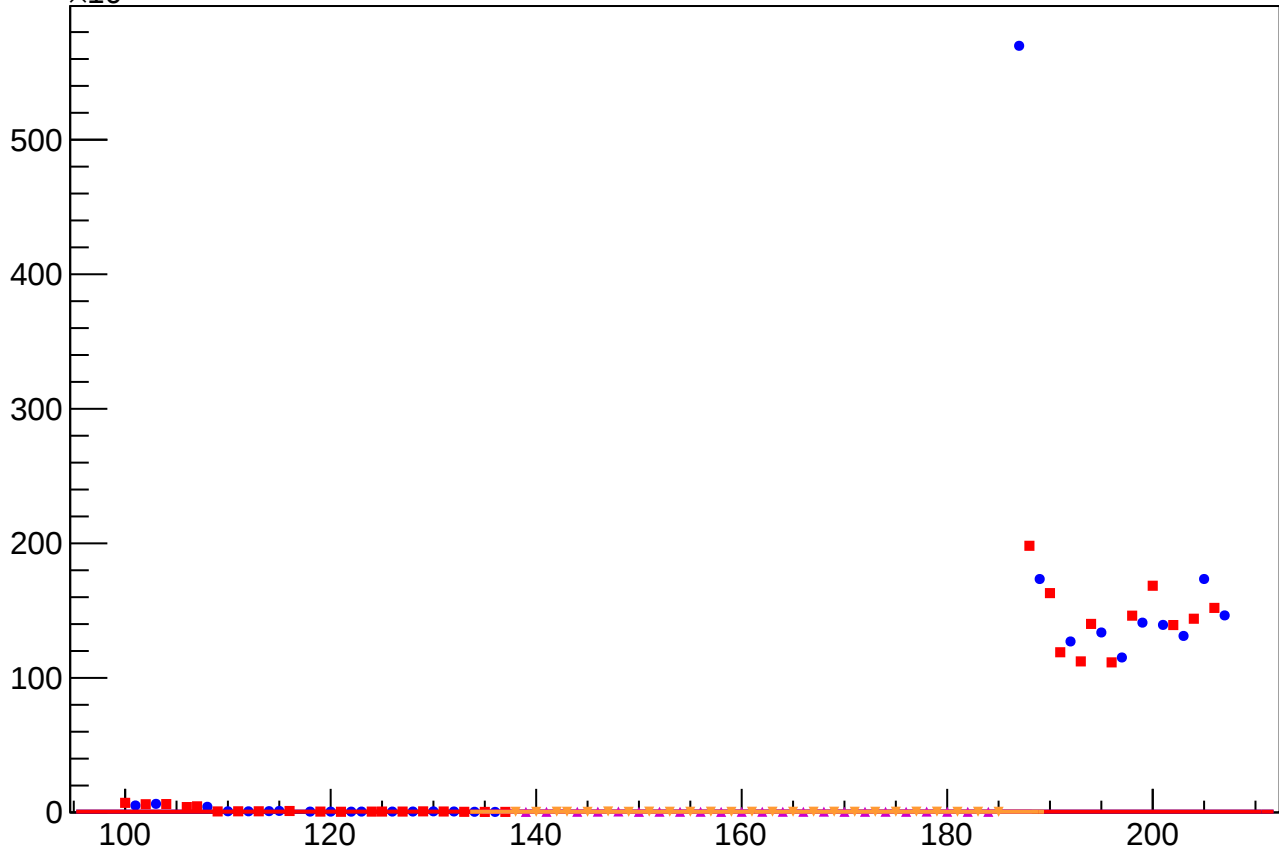
+ sign 0.183 ± 0.112 χ^2/NDF : 49.2/51

All: 0.169 ± 0.080 χ^2/NDF : 110.3/105

- sign 0.154 ± 0.114 χ^2/NDF : 61.1/53

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 612.957 $\pm$ 0.190 χ^2 /NDF: 17006073.3/26

Left Out: 522.220 $\pm$ 0.087 χ^2 /NDF: 330405.3/24

Right Out: 602.466 $\pm$ 0.187 χ^2 /NDF: 18340943.0/29

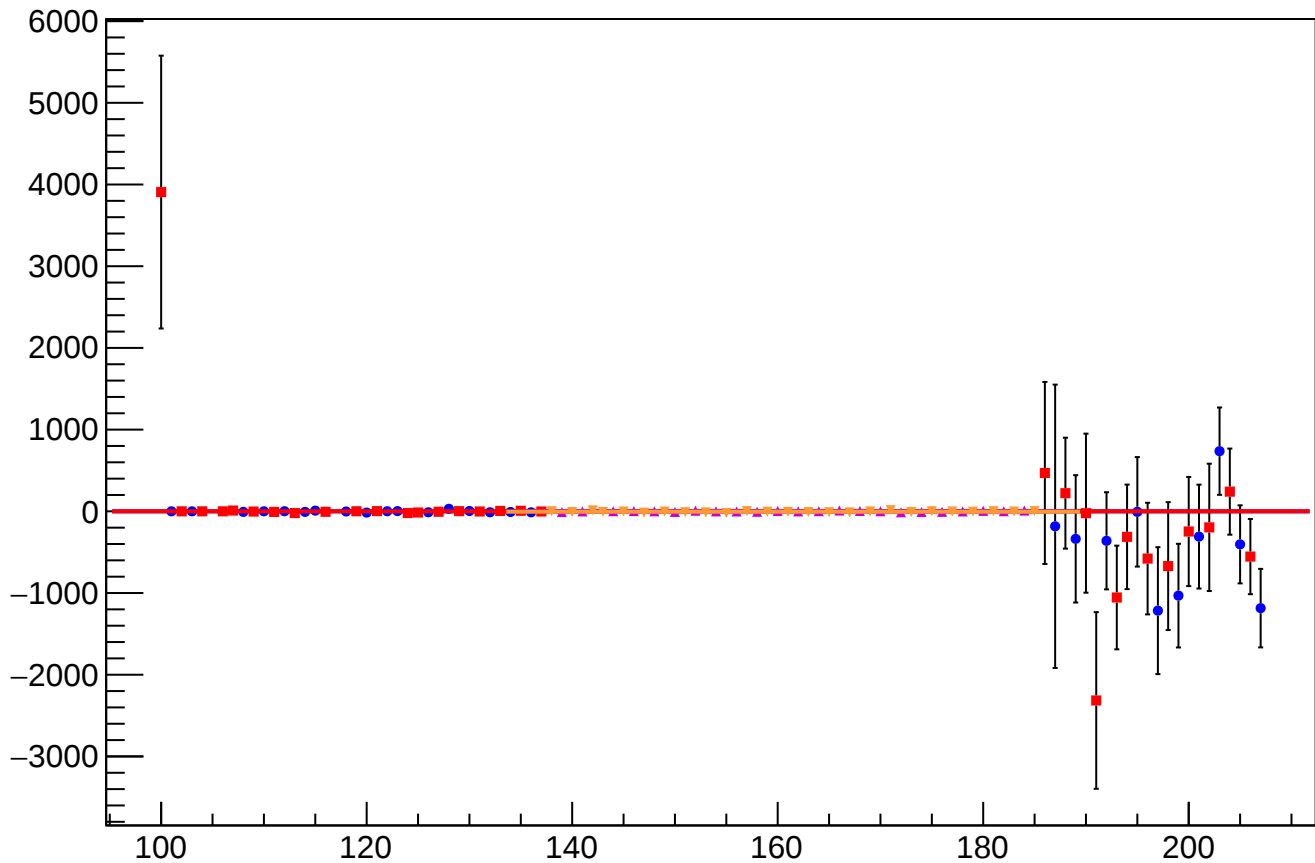
Left In: 520.700 $\pm$ 0.089 χ^2 /NDF: 427720.5/22

+ sign 537.827 $\pm$ 0.079 χ^2 /NDF: 17524903.9/51

All: 536.863 $\pm$ 0.056 χ^2 /NDF: 36449666.3/10

- sign 535.859 $\pm$ 0.081 χ^2 /NDF: 18924457.4/52

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 30.6/26

Left Out: -4.480 ± 0.957 χ^2/NDF : 58.4/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 28.6/30

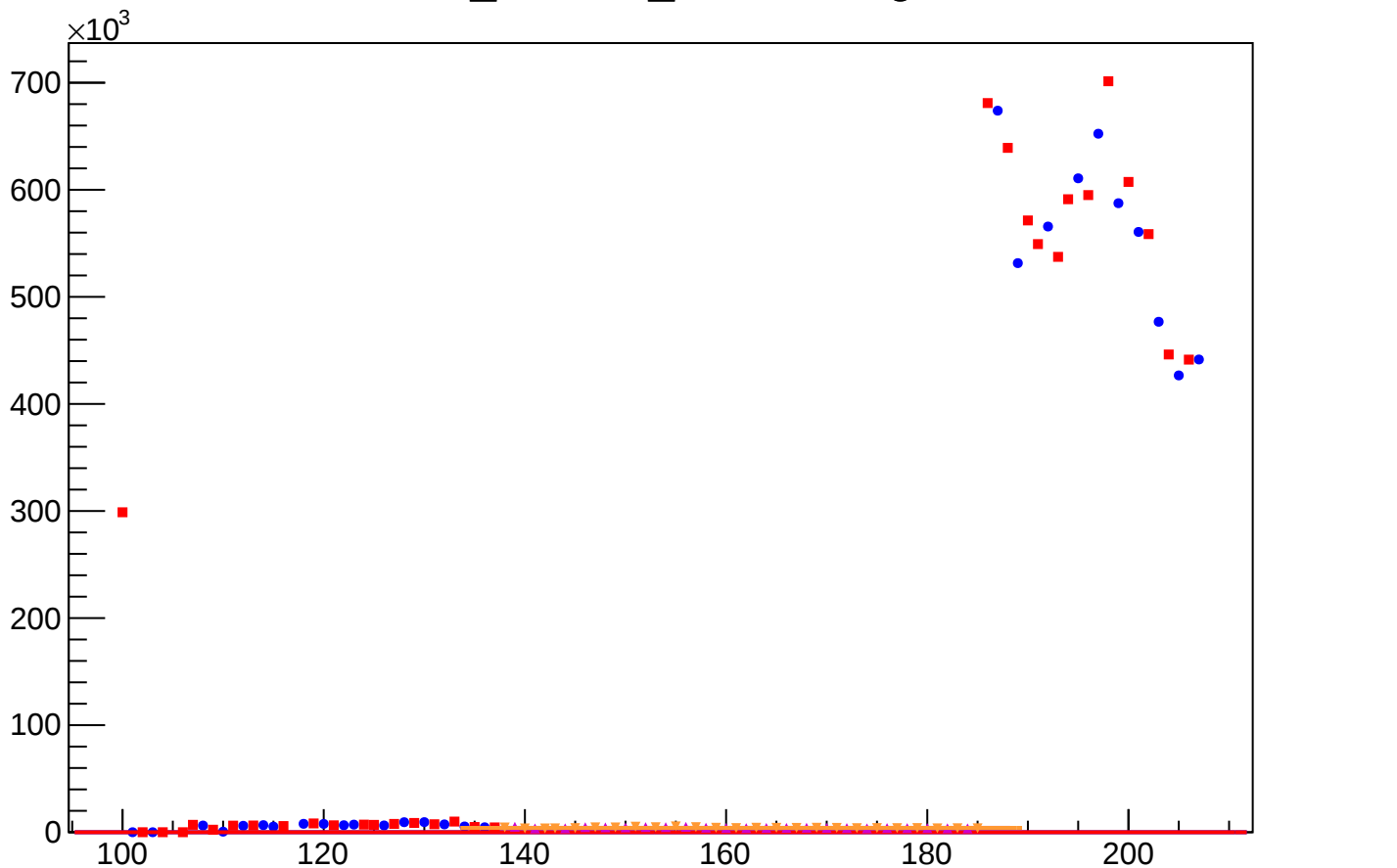
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 110.7/51

All: -0.025 ± 0.014 χ^2/NDF : 168.8/105

- sign -0.027 ± 0.020 χ^2/NDF : 58.1/53

diff_cav4dX_rms vs Slug



Right In: 17.345 ± 0.015 χ^2/NDF : 24716948.8/26

Left Out: 4075.147 ± 0.677 χ^2/NDF : 417511.0/24

Right Out: 17.273 ± 0.014 χ^2/NDF : 26690919.6/30

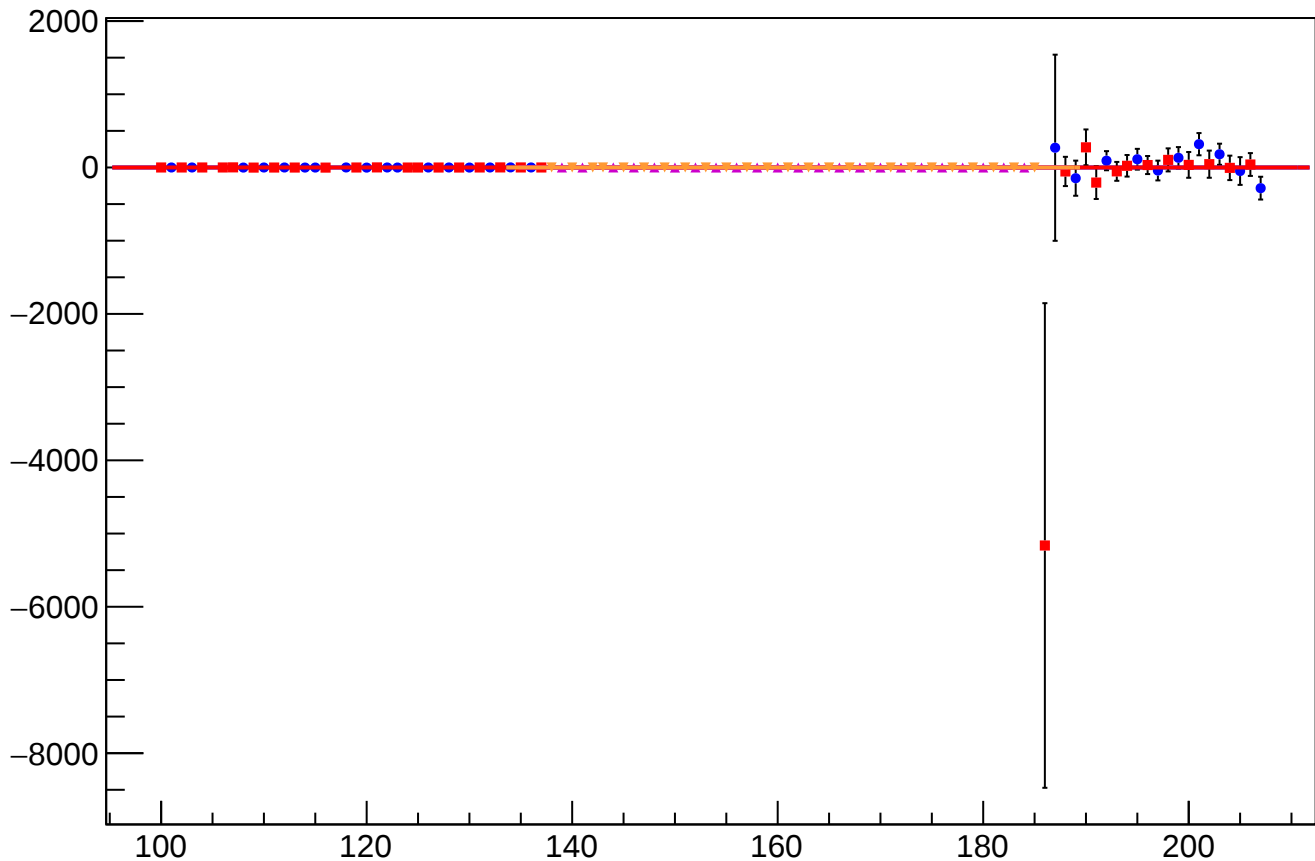
Left In: 4113.993 ± 0.703 χ^2/NDF : 349160.6/22

+ sign 19.259 ± 0.015 χ^2/NDF : 61067014.7/51

All: 19.068 ± 0.010 χ^2/NDF : 122063311.6/10

- sign 18.894 ± 0.014 χ^2/NDF : 60995972.0/53

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 25.4/26

Left Out: 0.148 $\pm$ 0.076 χ^2 /NDF:17.3/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.7/30

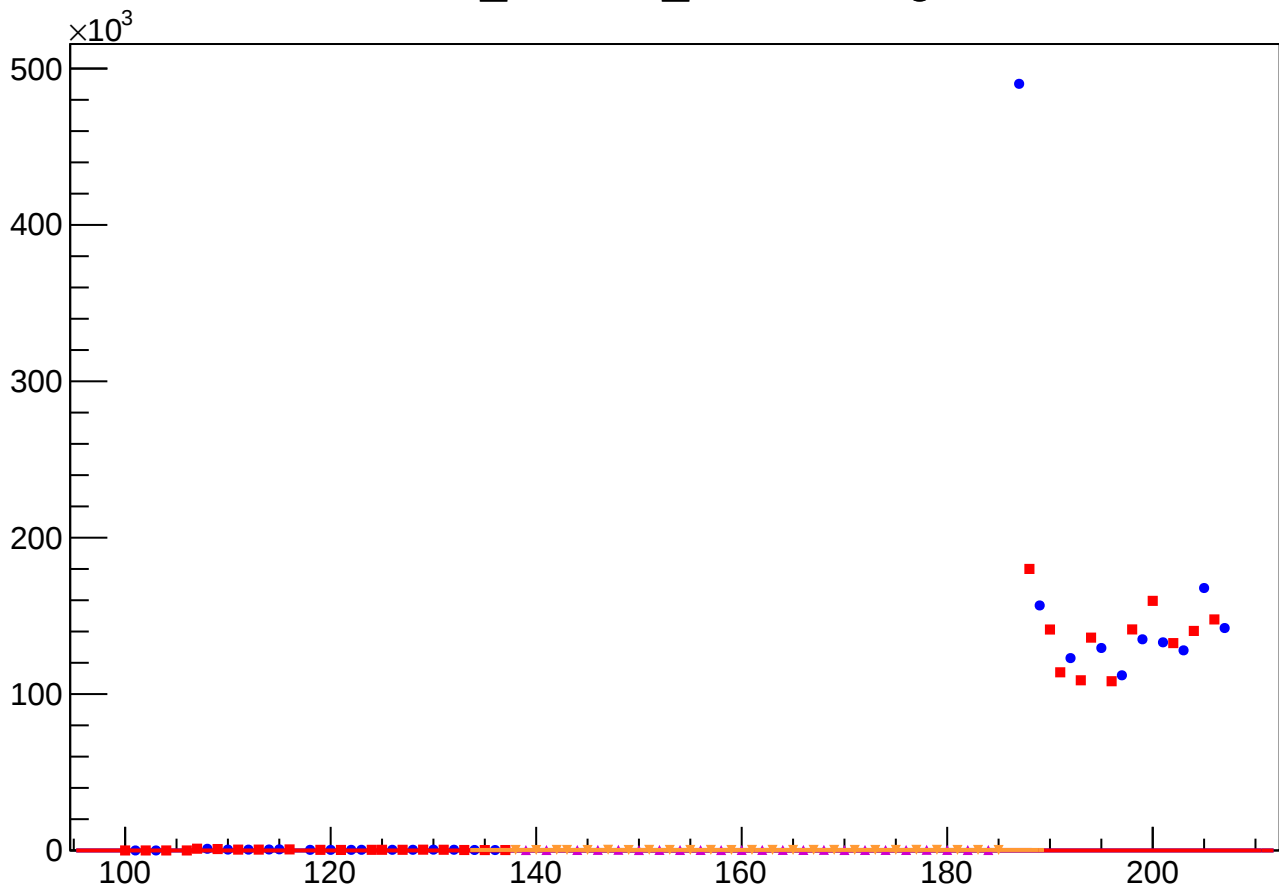
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF:34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 46.4/51

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 105.8/105

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.3/53

diff_cav4dY_rms vs Slug



Right In: 1.699 $\pm$ 0.001 χ^2 /NDF: 25024607.6/26

Left Out: 325.326 $\pm$ 0.054 χ^2 /NDF: 347705.2/24

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 25670134.1/29

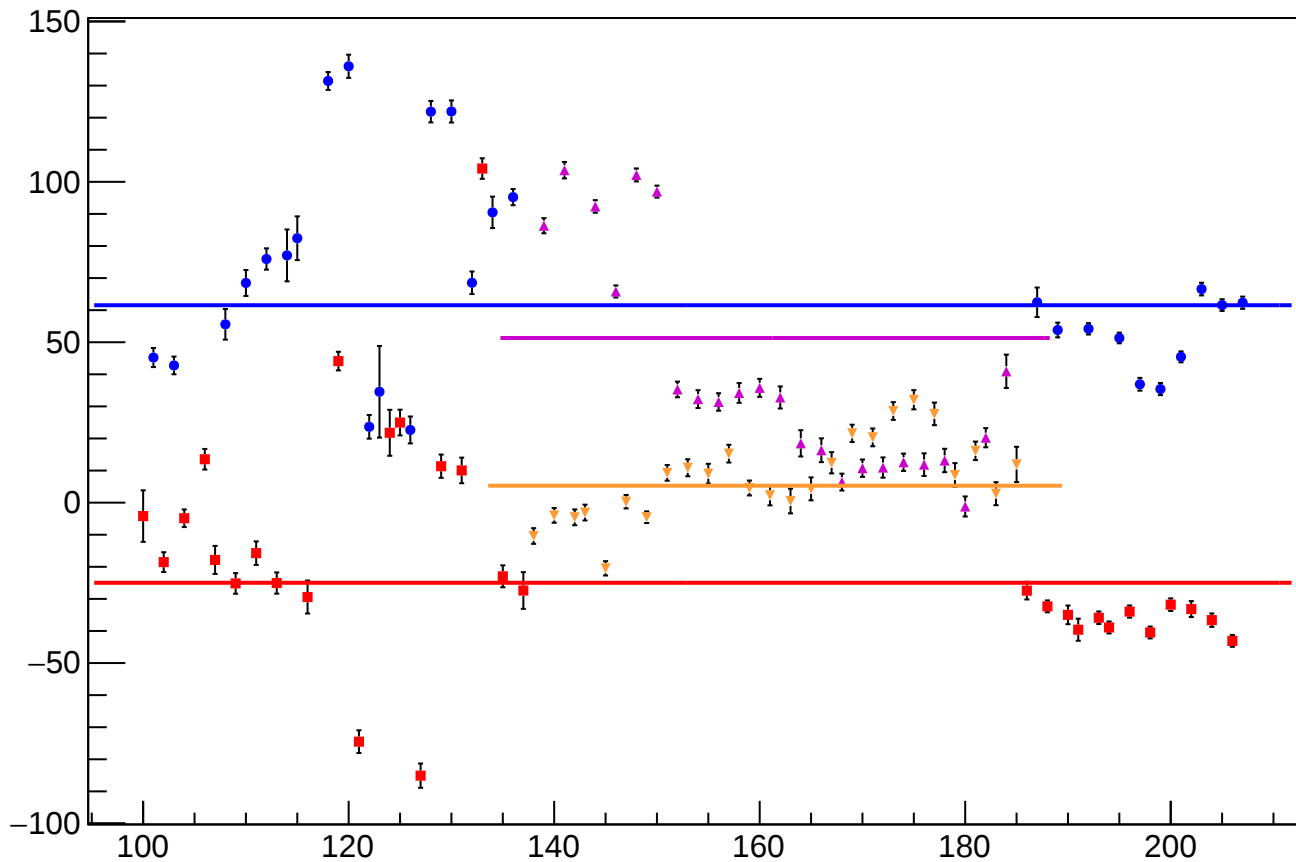
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF: 413350.0/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 61236469.4/51

All: 1.925 $\pm$ 0.001 χ^2 /NDF: 121044494.3/104

- sign 1.924 $\pm$ 0.001 χ^2 /NDF: 59808023.4/52

diff_bpm0i01X_mean vs Slug



Right In: 61.538 ± 0.507 χ^2/NDF : 2714.6/26

Left Out: 5.276 ± 0.544 χ^2/NDF : 556.2/24

Right Out: -24.974 ± 0.494 χ^2/NDF : 3610.7/30

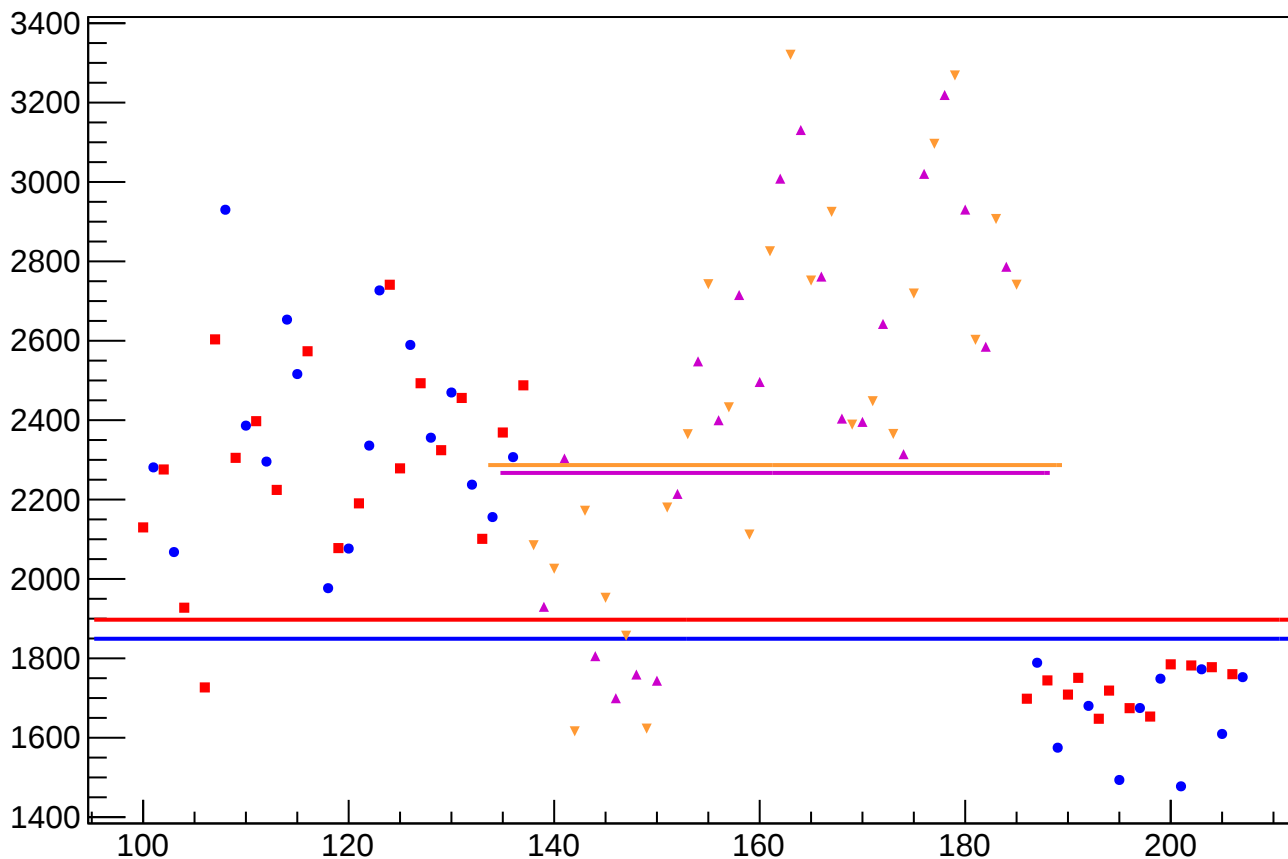
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 35.399 ± 0.371 χ^2/NDF : 8993.9/51

All: 21.919 ± 0.262 χ^2/NDF : 29974.9/105

- sign 8.514 ± 0.370 χ^2/NDF : 18347.0/53

diff_bpm0i01X_rms vs Slug



Right In: 1849.343+/-0.358 χ^2/NDF : 889626.1/26

Left Out: 2286.871+/-0.385 χ^2/NDF :1360490.8/24

Right Out: 1897.355+/-0.349 χ^2/NDF : 642840.0/30

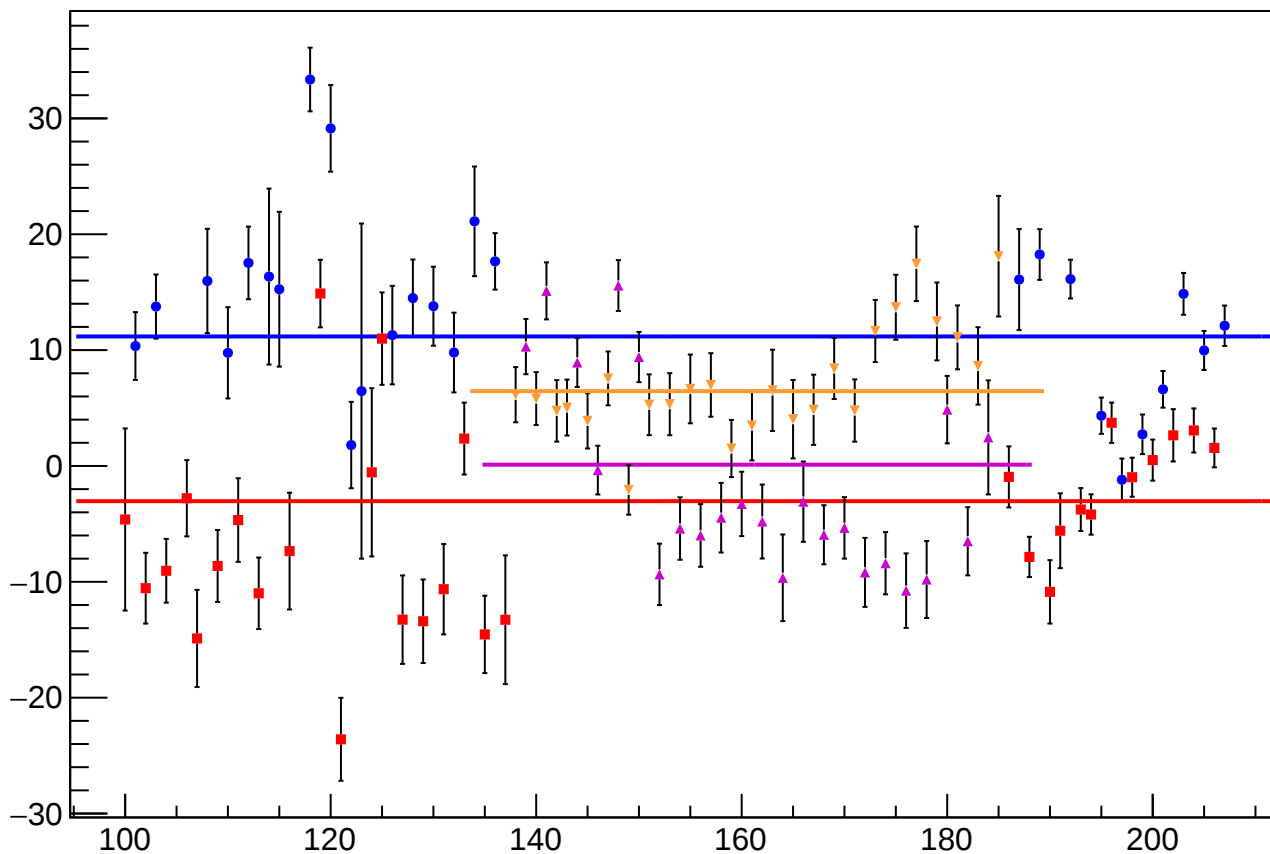
Left In: 2267.097+/-0.395 χ^2/NDF :1313364.4/22

+ sign 2052.618+/-0.262 χ^2/NDF : 2942335.2/51

All: 2056.134+/-0.185 χ^2/NDF : 5391006.3/10

- sign 2059.630+/-0.262 χ^2/NDF : 2448312.8/53

diff_bpm0i01Y_mean vs Slug



Right In: 11.177 ± 0.478 χ^2/NDF : 238.0/26

Left Out: 6.458 ± 0.548 χ^2/NDF : 58.7/24

Right Out: -3.038 ± 0.466 χ^2/NDF : 212.9/30

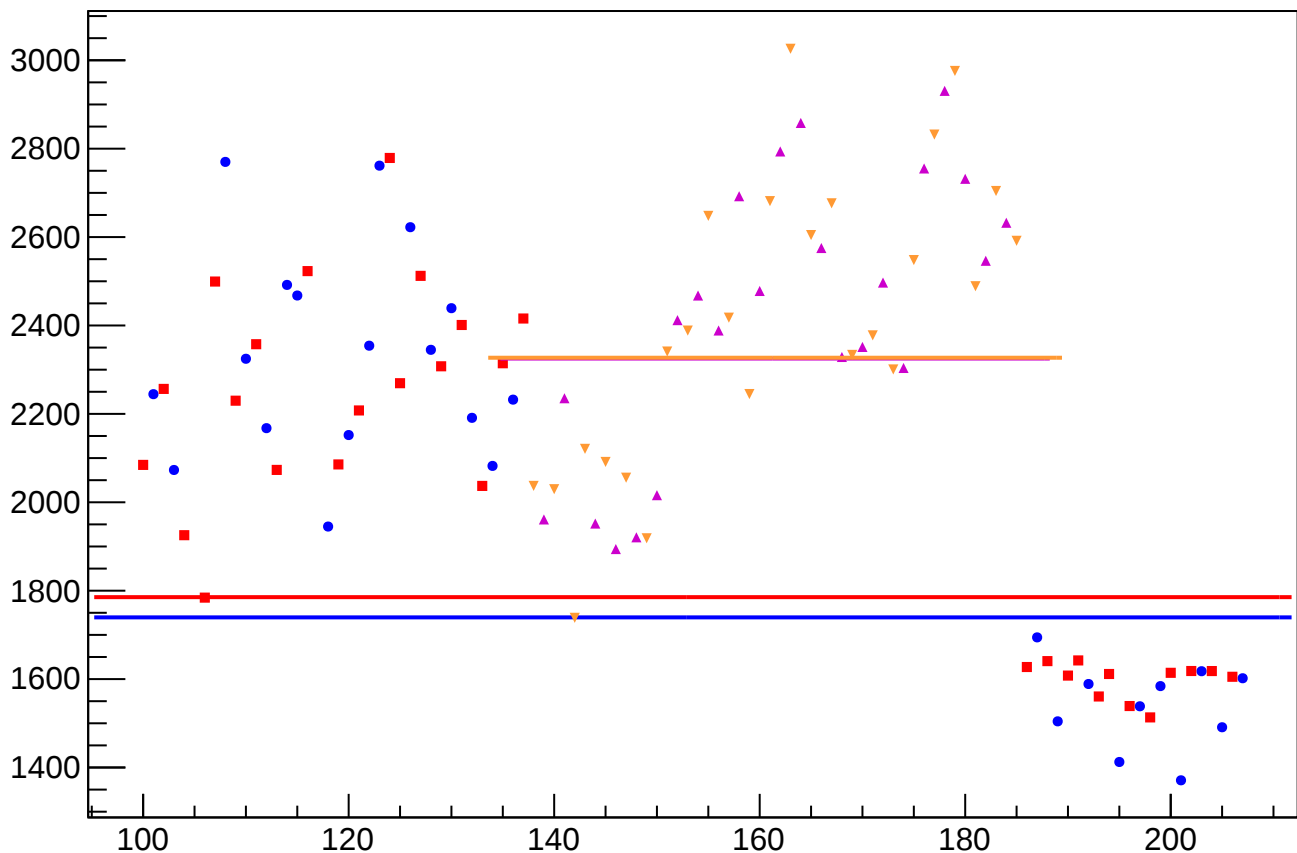
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 9.134 ± 0.360 χ^2/NDF : 338.8/51

All: 3.676 ± 0.255 χ^2/NDF : 1262.8/105

- sign -1.763 ± 0.360 χ^2/NDF : 465.9/53

diff_bpm0i01Y_rms vs Slug



Right In: 1739.625 $\pm$ 0.338 χ^2 /NDF: 1122512.9/26

Left Out: 2327.044 $\pm$ 0.387 χ^2 /NDF: 646706.7/24

Right Out: 1785.385 $\pm$ 0.330 χ^2 /NDF: 877767.6/30

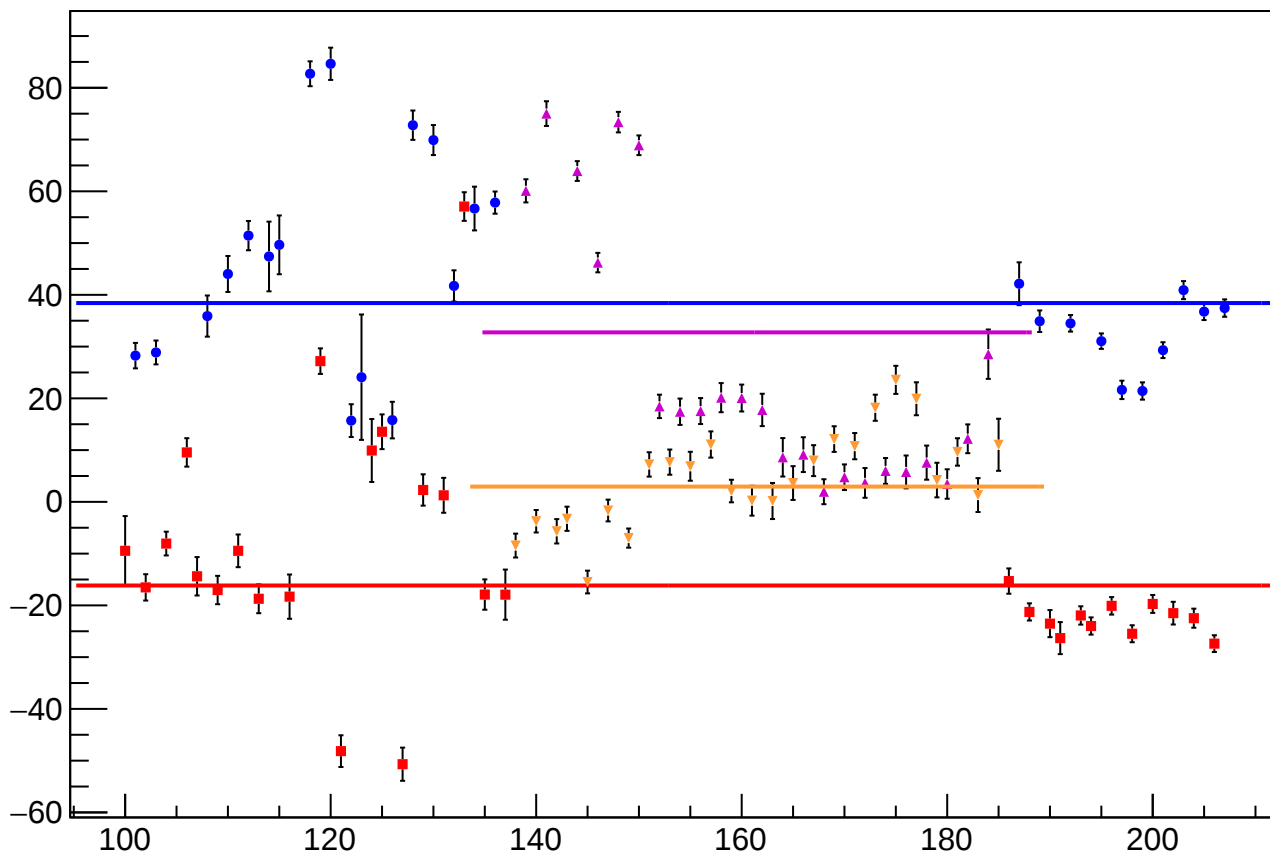
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 1993.966 $\pm$ 0.255 χ^2 /NDF: 3074369.8/51

All: 1998.996 $\pm$ 0.180 χ^2 /NDF: 5649193.6/10

- sign 2004.008 $\pm$ 0.254 χ^2 /NDF: 2574045.7/53

diff_bpm0i01aX_mean vs Slug



Right In: 38.412 ± 0.444 χ^2/NDF : 1350.3/26

Left Out: 2.952 ± 0.512 χ^2/NDF : 337.8/24

Right Out: -16.158 ± 0.432 χ^2/NDF : 1670.2/30

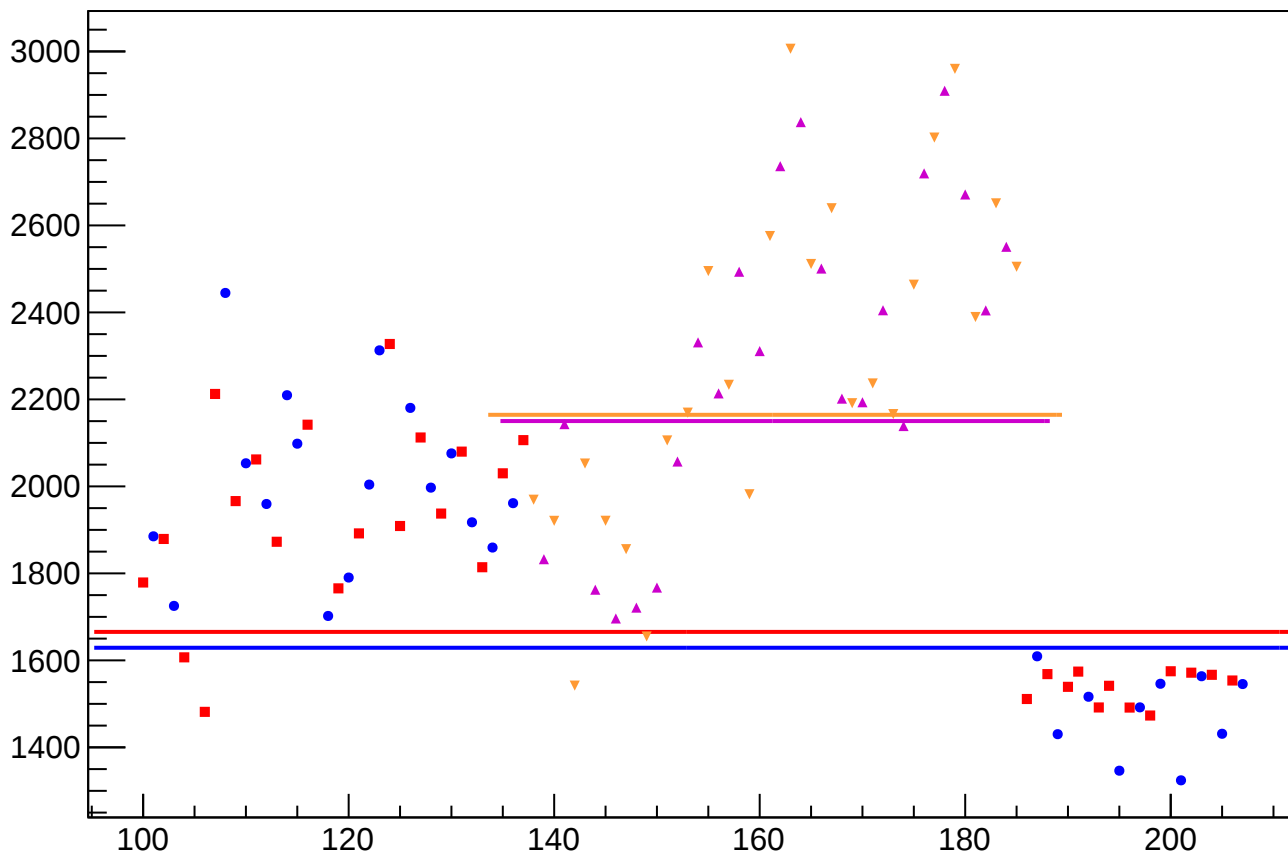
Left In: 32.745 ± 0.526 χ^2/NDF : 2632.5/22

+ sign 23.173 ± 0.336 χ^2/NDF : 4424.2/51

All: 13.308 ± 0.237 χ^2/NDF : 15606.3/105

- sign 3.541 ± 0.334 χ^2/NDF : 9462.3/53

diff_bpm0i01aX_rms vs Slug



Right In: 1628.992 $\pm$ 0.314 χ^2 /NDF: 672492.6/26

Left Out: 2164.573 $\pm$ 0.362 χ^2 /NDF: 965603.5/24

Right Out: 1665.449 $\pm$ 0.306 χ^2 /NDF: 471283.7/30

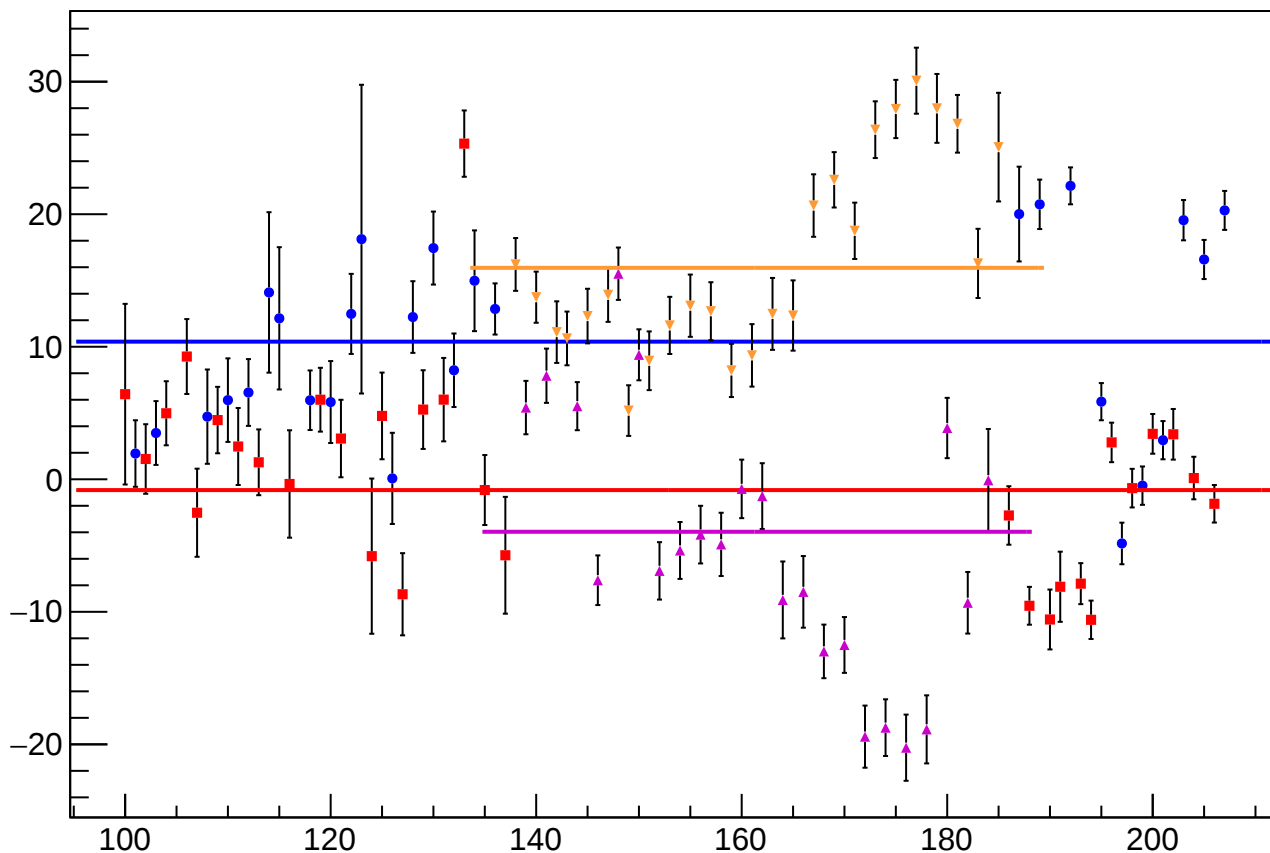
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF: 911849.7/22

+ sign 1859.156 $\pm$ 0.237 χ^2 /NDF: 2886444.0/51

All: 1859.935 $\pm$ 0.167 χ^2 /NDF: 5283487.4/10

- sign 1860.707 $\pm$ 0.236 χ^2 /NDF: 2397021.9/53

diff_bpm0i01aY_mean vs Slug



Right In: 10.385 ± 0.406 $\chi^2/\text{NDF}: 449.8/26$

Left Out: 15.956 ± 0.447 $\chi^2/\text{NDF}: 245.2/24$

Right Out: -0.815 ± 0.389 $\chi^2/\text{NDF}: 316.8/30$

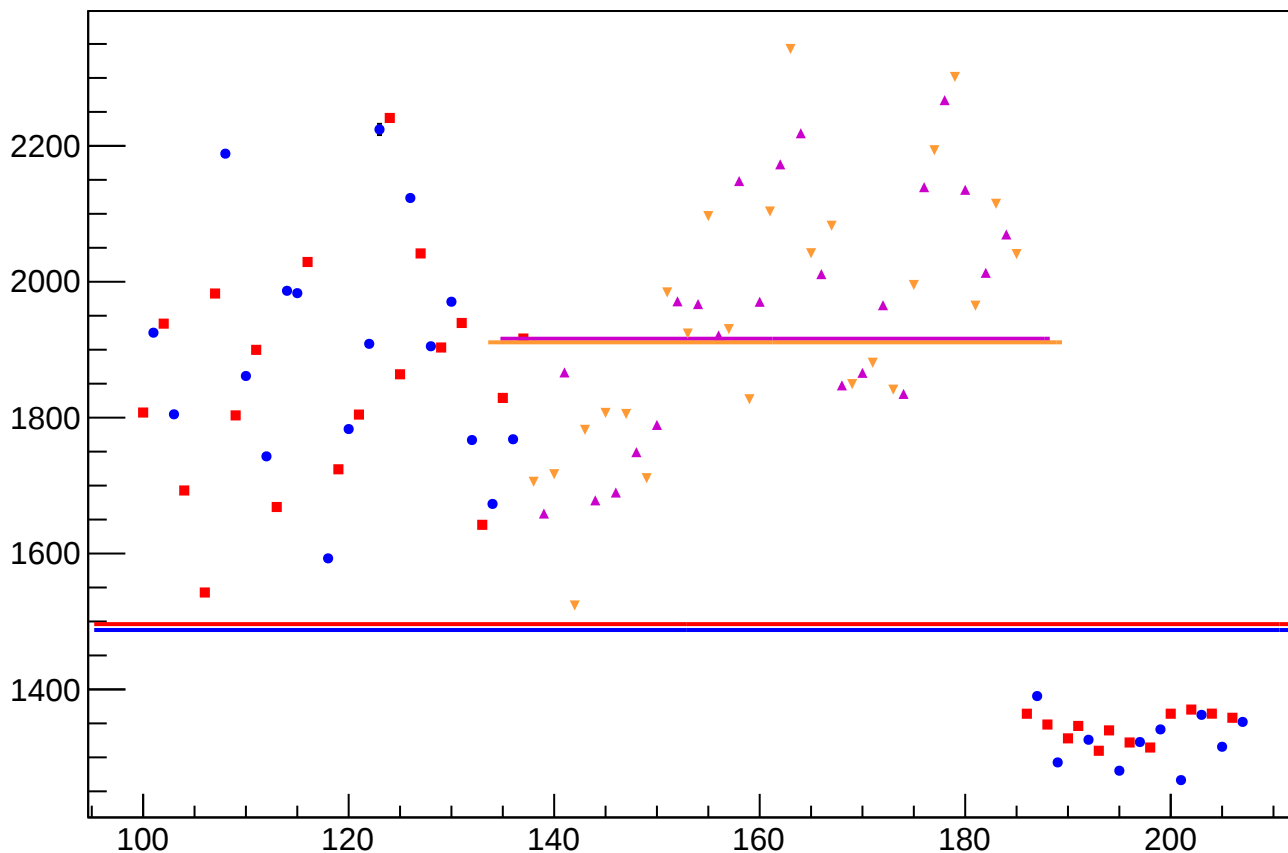
Left In: -3.960 ± 0.463 $\chi^2/\text{NDF}: 464.9/22$

+ sign 12.898 ± 0.300 $\chi^2/\text{NDF}: 780.1/51$

All: 5.325 ± 0.212 $\chi^2/\text{NDF}: 2848.2/105$

- sign -2.118 ± 0.298 $\chi^2/\text{NDF}: 808.8/53$

diff_bpm0i01aY_rms vs Slug



Right In: 1487.439+/-0.287 χ^2/NDF : 807935.2/26

Left Out: 1910.859+/-0.316 χ^2/NDF : 328970.6/24

Right Out: 1496.105+/-0.275 χ^2/NDF : 737888.7/30

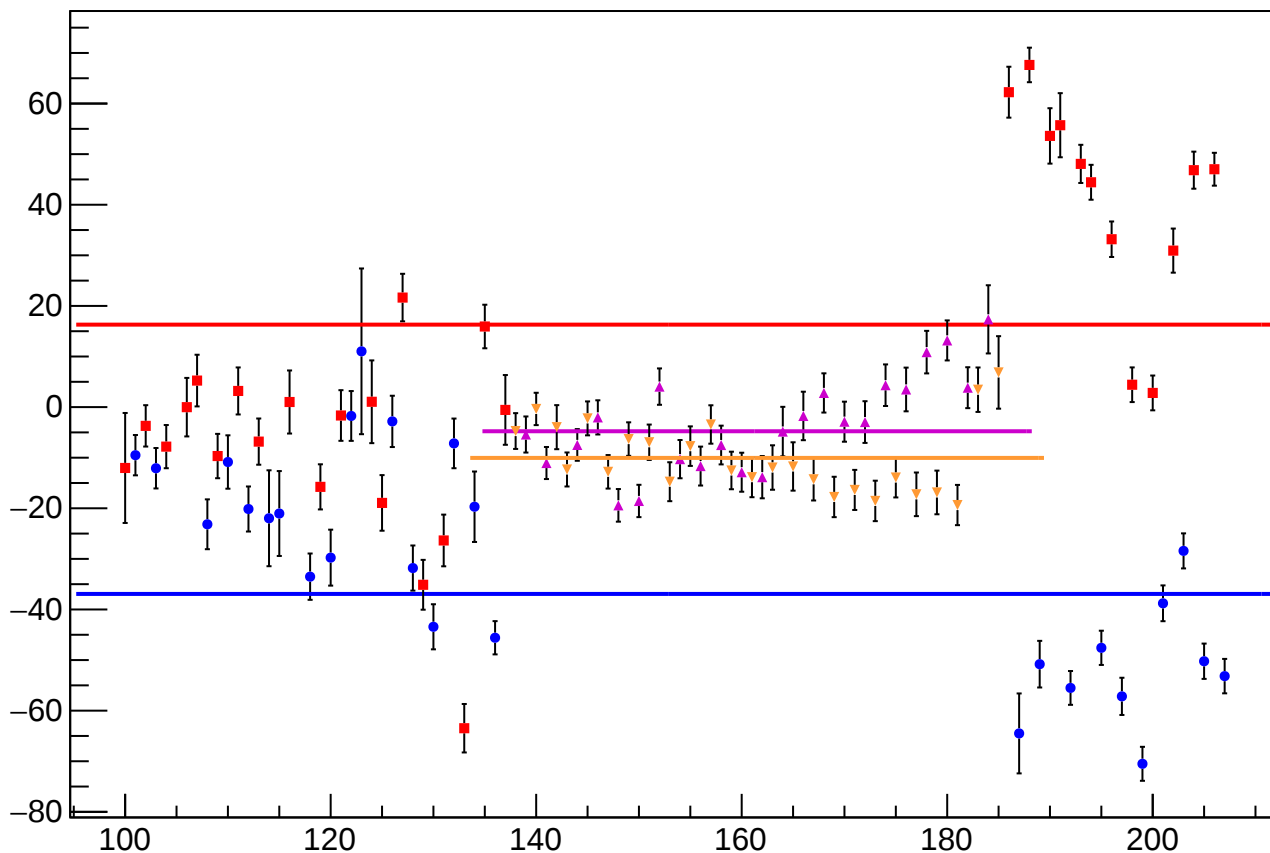
Left In: 1916.159+/-0.327 χ^2/NDF : 274285.3/22

+ sign 1678.442+/-0.212 χ^2/NDF : 2120157.7/51

All: 1674.265+/-0.150 χ^2/NDF : 4097886.7/10

- sign 1670.159+/-0.211 χ^2/NDF : 1976962.6/53

diff_bpm0l01X_mean vs Slug



Right In: -36.928 ± 0.835 χ^2/NDF : 534.9/26

Left Out: -10.042 ± 0.776 χ^2/NDF : 67.1/24

Right Out: 16.302 ± 0.802 χ^2/NDF : 1475.4/30

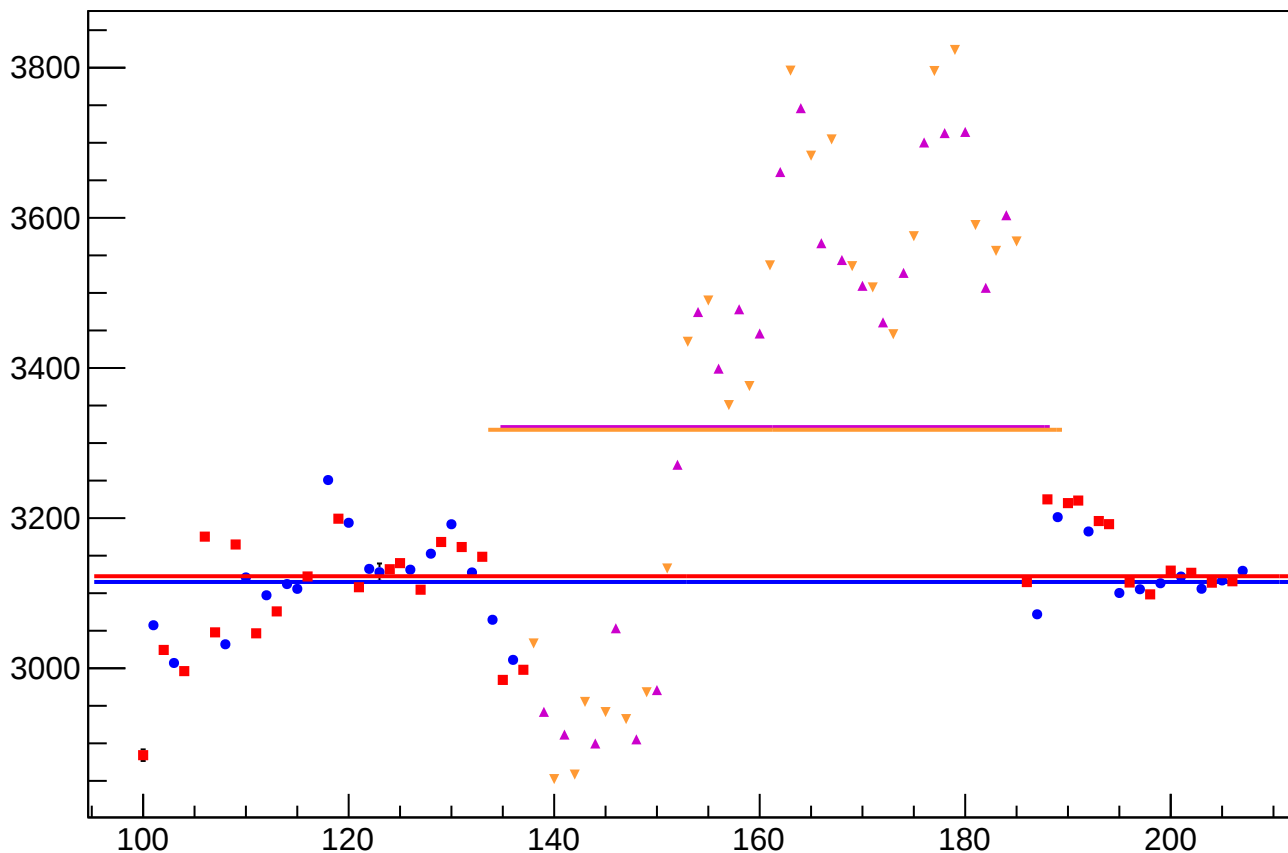
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -22.499 ± 0.569 χ^2/NDF : 1157.8/51

All: -8.319 ± 0.401 χ^2/NDF : 4346.2/105

- sign 5.748 ± 0.566 χ^2/NDF : 1950.0/53

diff_bpm0l01X_rms vs Slug



Right In: 3114.957 $\pm$ 0.591 χ^2 /NDF: 9231.3/26

Left Out: 3317.699 $\pm$ 0.549 χ^2 /NDF:336877.2/24

Right Out: 3122.607 $\pm$ 0.567 χ^2 /NDF: 13766.8/30

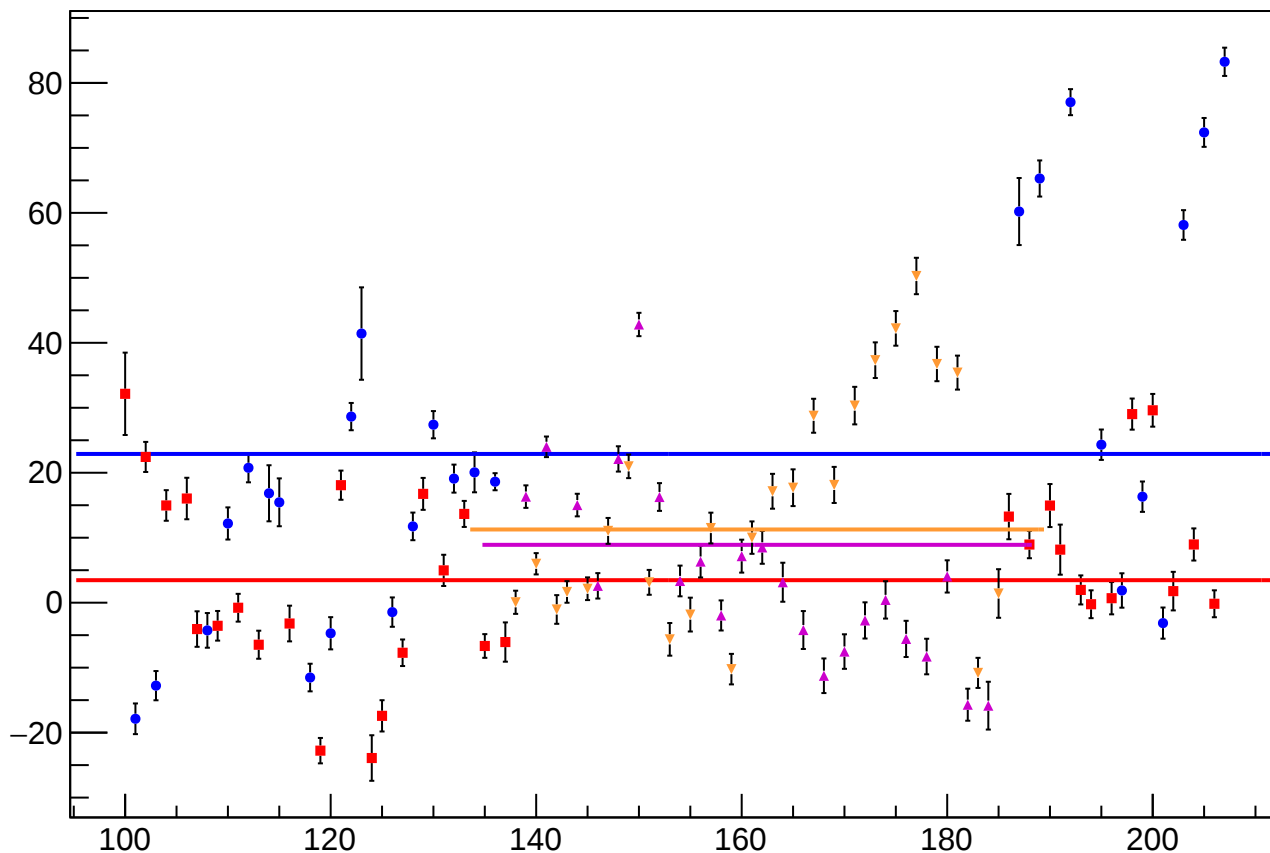
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF:284334.2/22

+ sign 3223.758 $\pm$ 0.402 χ^2 /NDF: 409309.3/51

All: 3222.921 $\pm$ 0.284 χ^2 /NDF: 768923.9/105

- sign 3222.090 $\pm$ 0.401 χ^2 /NDF: 359606.0/53

diff_bpm0l01Y_mean vs Slug



Right In: 22.893 $\pm$ 0.452 χ^2 /NDF: 3950.4/26

Left Out: 11.268 $\pm$ 0.454 χ^2 /NDF:1141.8/24

Right Out: 3.463 $\pm$ 0.438 χ^2 /NDF: 922.6/30

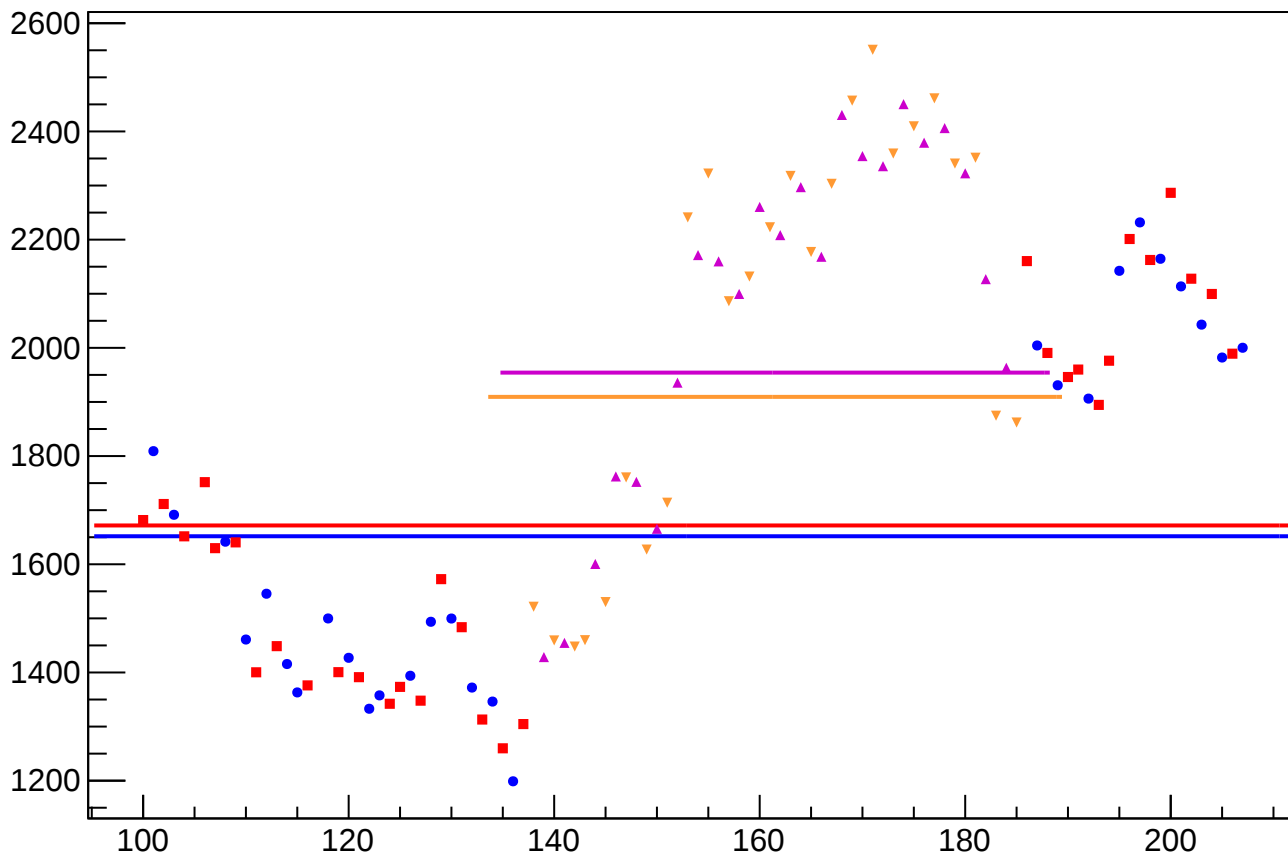
Left In: 8.905 $\pm$ 0.478 χ^2 /NDF:936.3/22

+ sign 17.107 $\pm$ 0.321 χ^2 /NDF: 5421.0/51

All: 11.564 $\pm$ 0.227 χ^2 /NDF: 7952.5/105

- sign 5.948 $\pm$ 0.323 χ^2 /NDF: 1929.5/53

diff_bpm0l01Y_rms vs Slug



Right In: 1651.778+/-0.320 χ^2/NDF : 1029721.4/26

Left Out: 1909.387+/-0.321 χ^2/NDF :1398498.0/24

Right Out: 1671.730+/-0.310 χ^2/NDF : 1076719.5/30

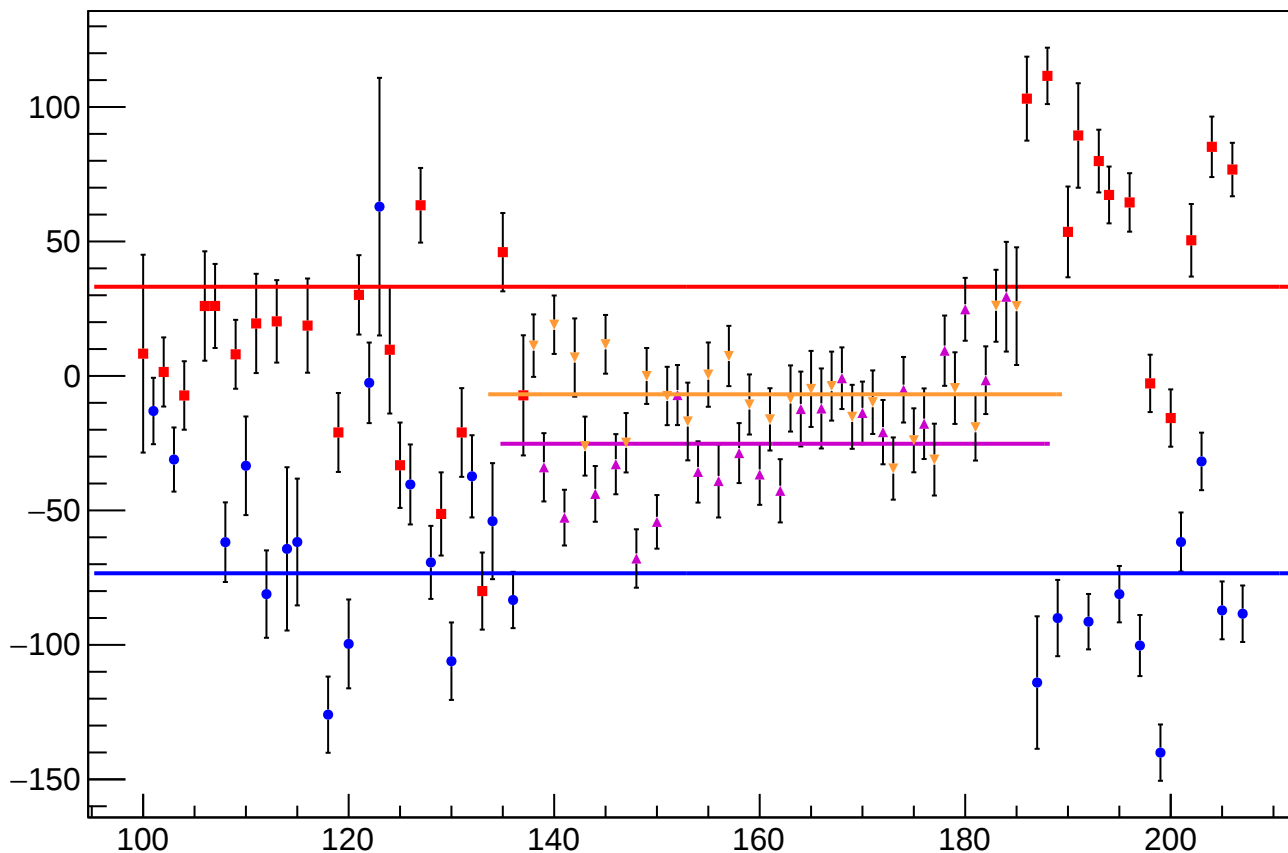
Left In: 1954.236+/-0.338 χ^2/NDF :1044826.7/22

+ sign 1779.995+/-0.227 χ^2/NDF : 2751137.9/51

All: 1790.290+/-0.161 χ^2/NDF : 5257221.4/10

- sign 1800.722+/-0.228 χ^2/NDF : 2501929.9/53

diff_bpm0l02X_mean vs Slug



Right In: -73.374 ± 2.596 $\chi^2/\text{NDF}: 180.4/26$

Left Out: -6.825 ± 2.423 $\chi^2/\text{NDF}: 42.3/24$

Right Out: 33.164 ± 2.493 $\chi^2/\text{NDF}: 361.8/30$

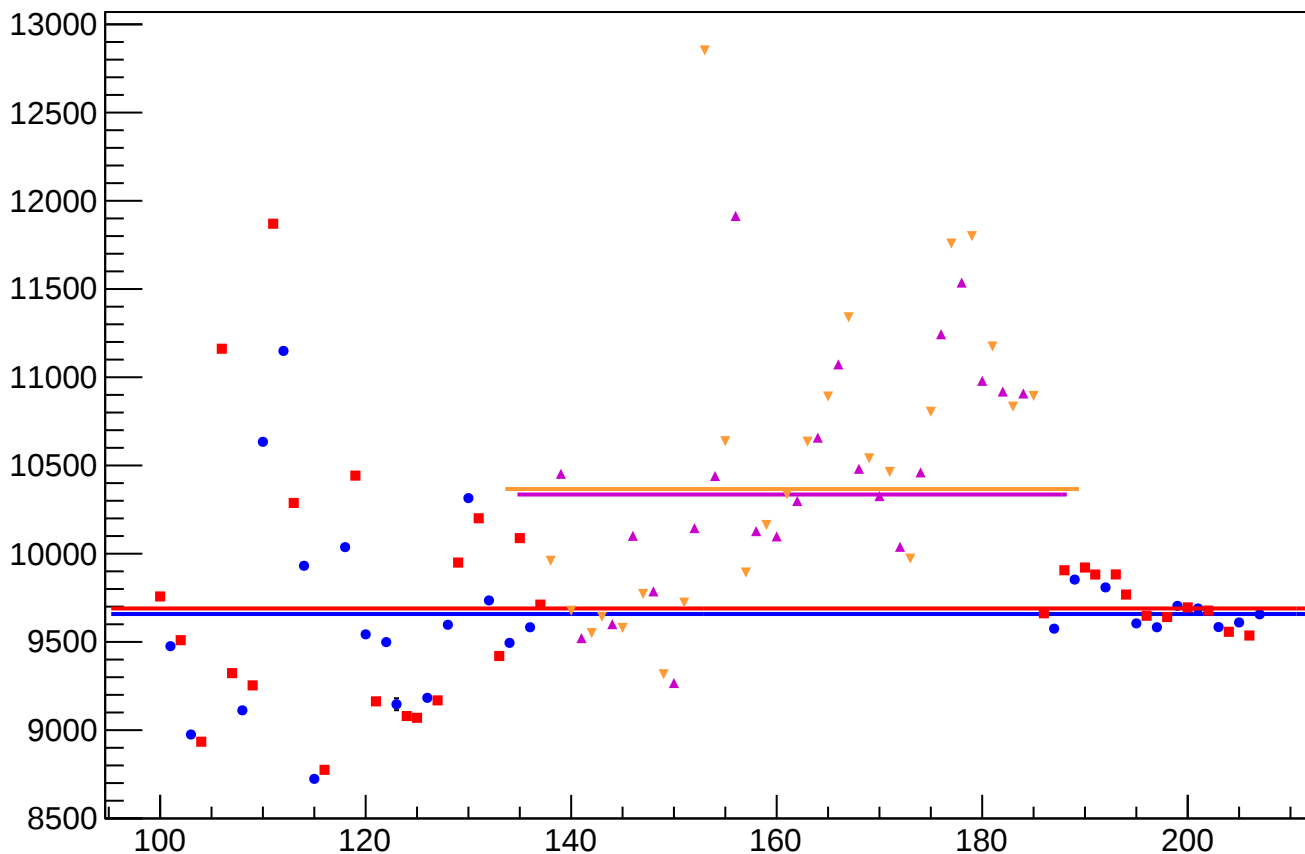
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -37.808 ± 1.771 $\chi^2/\text{NDF}: 574.1/51$

All: -16.831 ± 1.249 $\chi^2/\text{NDF}: 1579.0/105$

- sign 3.899 ± 1.761 $\chi^2/\text{NDF}: 726.0/53$

diff_bpm0l02X_rms vs Slug



Right In: 9658.082 $\pm$ 1.835 χ^2 /NDF: 45174.4/26

Left Out: 10366.534 $\pm$ 1.713 χ^2 /NDF: 211402.8/24

Right Out: 9689.624 $\pm$ 1.763 χ^2 /NDF: 80341.1/30

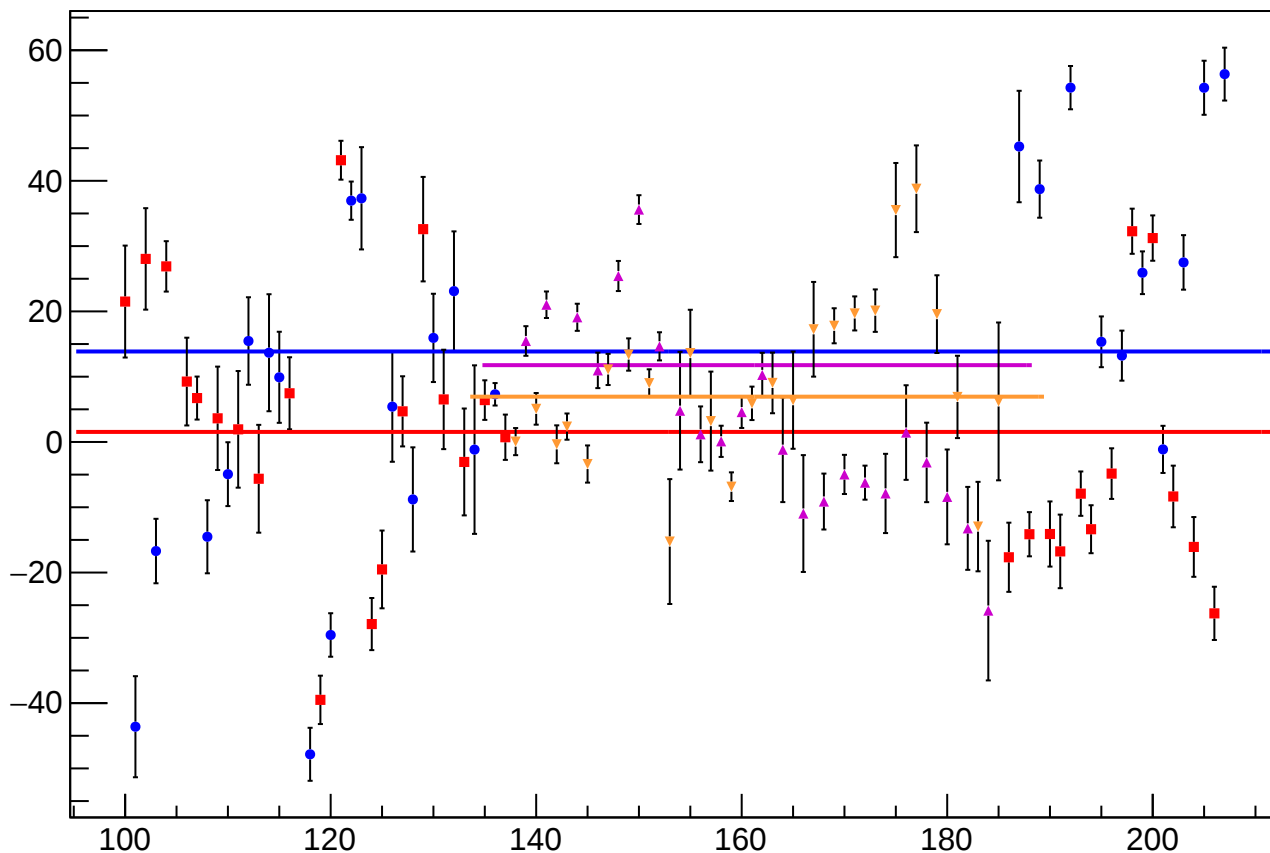
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF: 127173.0/22

+ sign 10036.703 $\pm$ 1.252 χ^2 /NDF: 336210.0/51

All: 10024.956 $\pm$ 0.883 χ^2 /NDF: 611169.6/10

- sign 10013.348 $\pm$ 1.245 χ^2 /NDF: 274784.7/53

diff_bpm0l02Y_mean vs Slug



Right In: 13.860 ± 0.812 χ^2/NDF : 1073.8/26

Left Out: 6.939 ± 0.639 χ^2/NDF : 203.8/24

Right Out: 1.540 ± 0.796 χ^2/NDF : 769.5/30

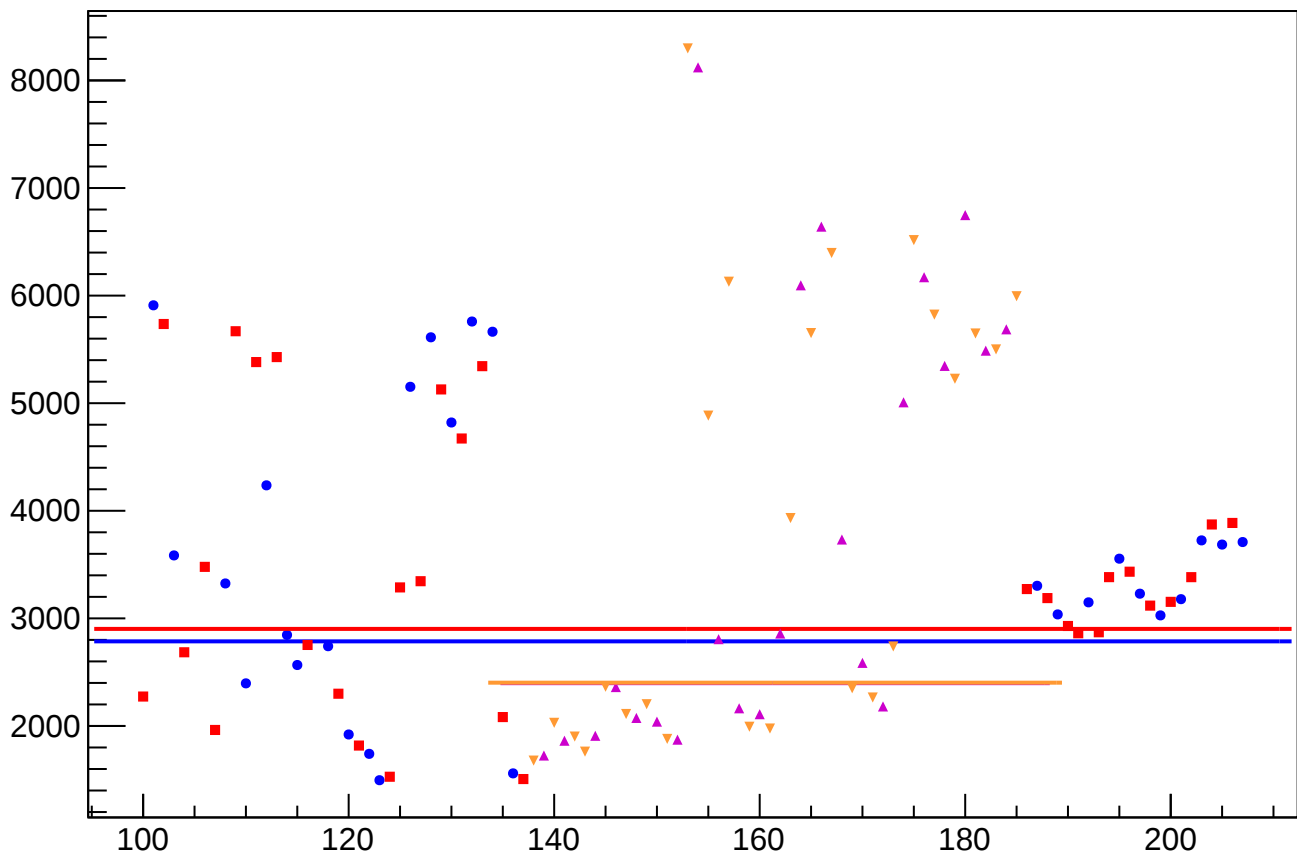
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

+ sign 9.584 ± 0.502 χ^2/NDF : 1322.5/51

All: 8.635 ± 0.355 χ^2/NDF : 2593.5/105

- sign 7.685 ± 0.503 χ^2/NDF : 1263.9/53

diff_bpm0l02Y_rms vs Slug



Right In: 2786.387 $\pm$ 0.574 χ^2 /NDF: 3343122.8/26

Left Out: 2402.359 $\pm$ 0.452 χ^2 /NDF: 6345982.8/24

Right Out: 2902.181 $\pm$ 0.563 χ^2 /NDF: 2877857.4/30

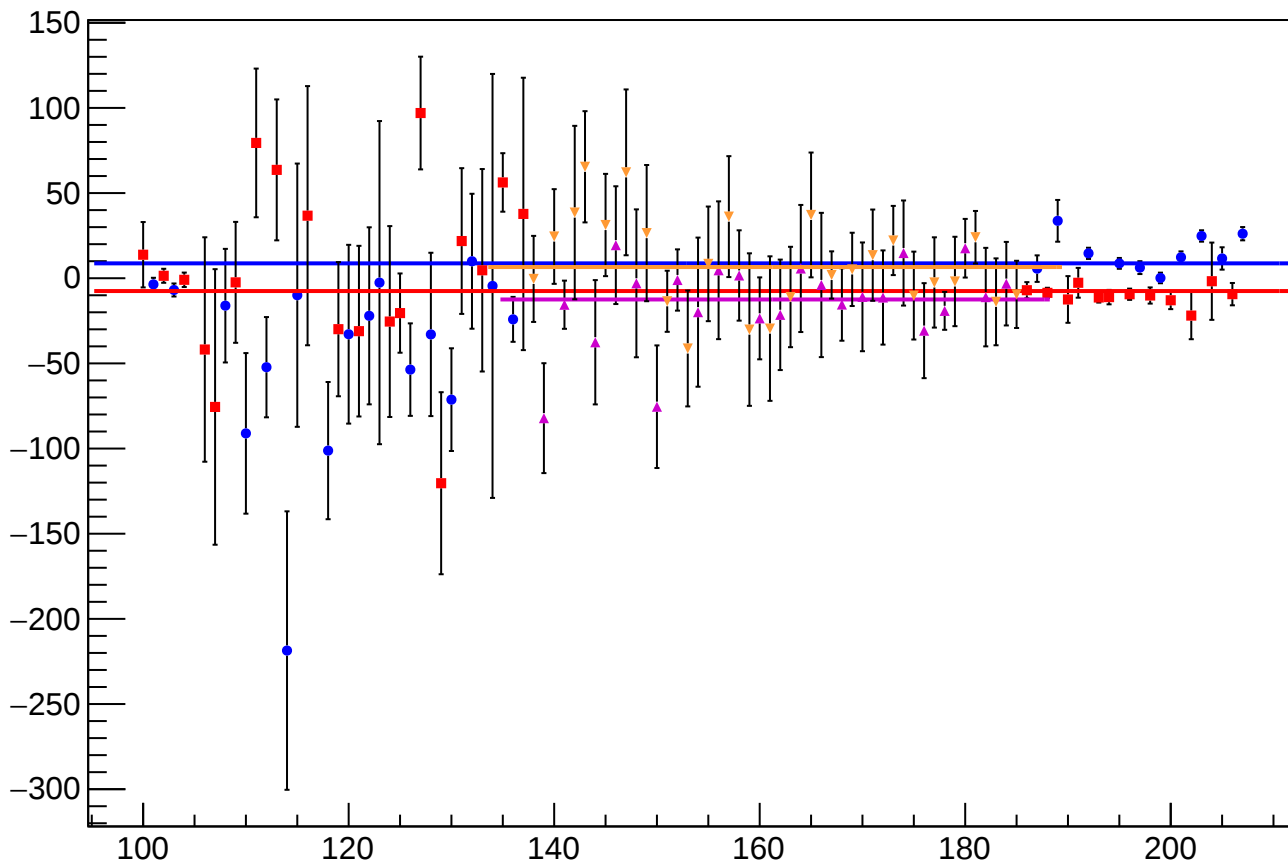
Left In: 2397.701 $\pm$ 0.458 χ^2 /NDF: 5398920.1/22

+ sign 2549.112 $\pm$ 0.355 χ^2 /NDF: 9965365.8/51

All: 2574.050 $\pm$ 0.251 χ^2 /NDF: 18735277.1/1

- sign 2599.039 $\pm$ 0.355 χ^2 /NDF: 8760033.1/53

diff_bpm0l03X_mean vs Slug



Right In: 8.735 ± 1.118 χ^2/NDF : 131.7/26

Left Out: 6.560 ± 5.077 χ^2/NDF : 16.8/24

Right Out: -7.523 ± 1.217 χ^2/NDF : 52.5/30

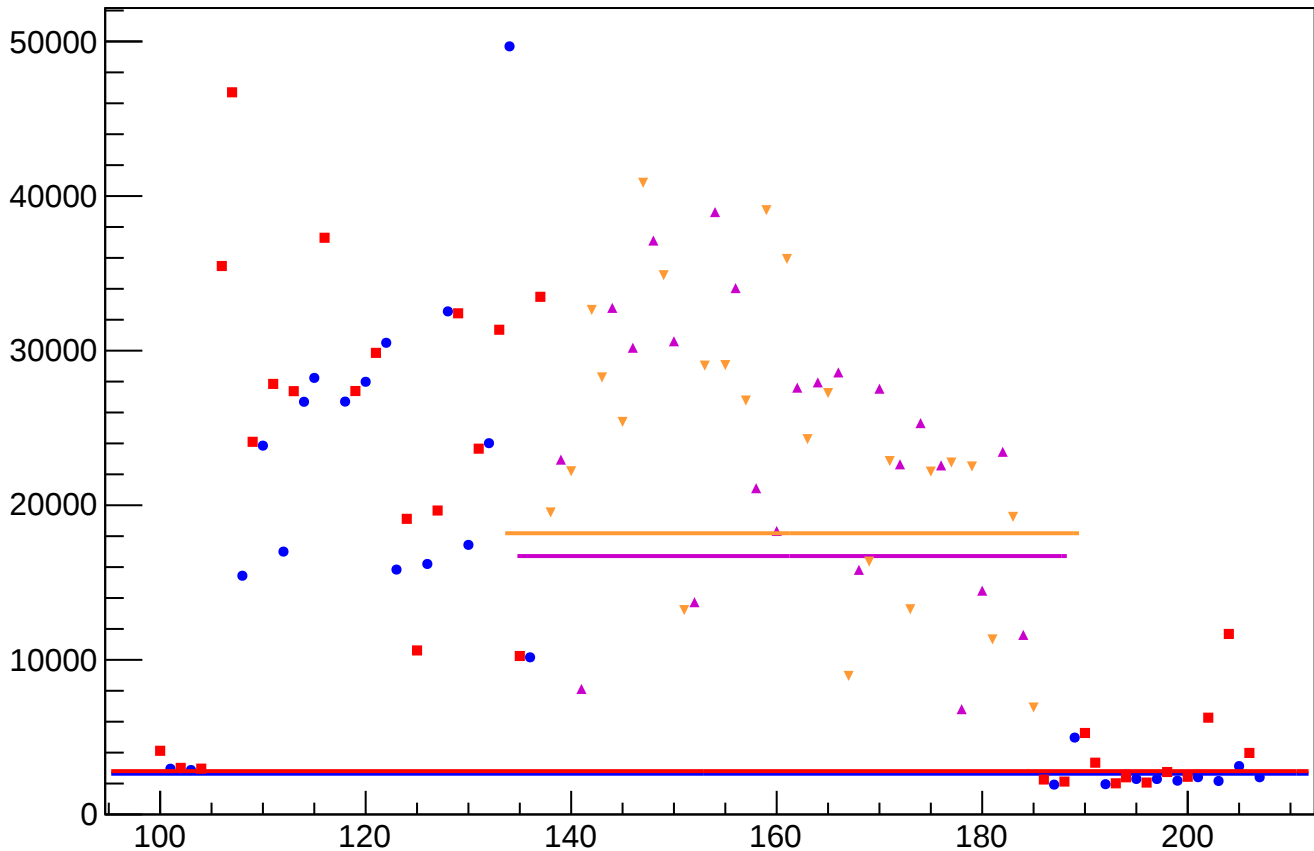
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 8.635 ± 1.092 χ^2/NDF : 148.6/51

All: 1.073 ± 0.802 χ^2/NDF : 321.6/105

- sign -7.797 ± 1.183 χ^2/NDF : 68.8/53

diff_bpm0l03X_rms vs Slug



Right In: 2635.046 $\pm$ 0.791 χ^2 /NDF: 6986387.4/26

Left Out: 18190.387 $\pm$ 3.590 χ^2 /NDF: 5261328.5/24

Right Out: 2801.746 $\pm$ 0.861 χ^2 /NDF: 9054611.8/30

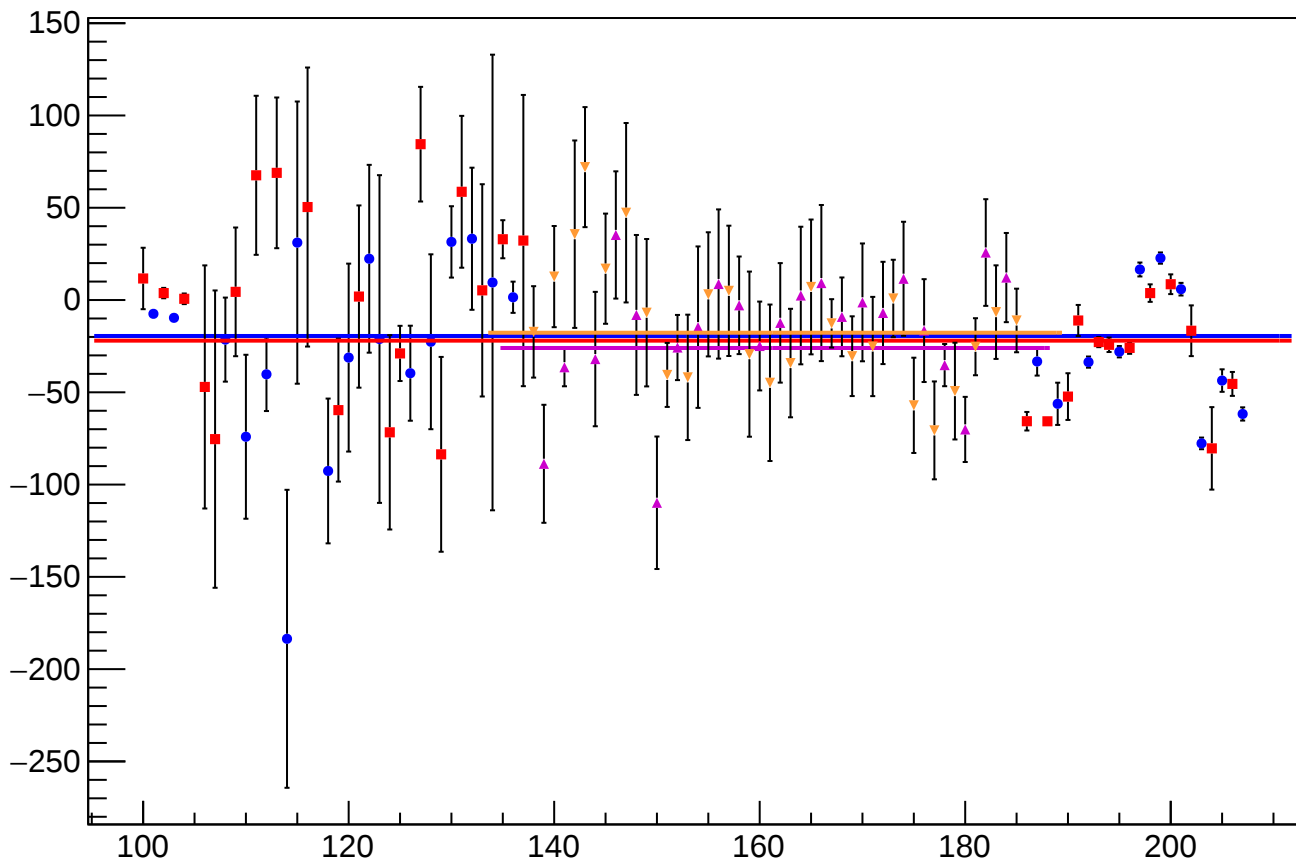
Left In: 16713.653 $\pm$ 3.553 χ^2 /NDF: 6194178.8/22

+ sign 3354.623 $\pm$ 0.772 χ^2 /NDF: 30150955.2/51

All: 3454.851 $\pm$ 0.567 χ^2 /NDF: 59915152.3/100

- sign 3572.423 $\pm$ 0.836 χ^2 /NDF: 29727588.1/53

diff_bpm0l03Y_mean vs Slug



Right In: -19.481 ± 0.988 χ^2/NDF : 936.5/26

Left Out: -17.717 ± 4.974 χ^2/NDF : 27.2/24

Right Out: -22.005 ± 1.071 χ^2/NDF : 638.8/30

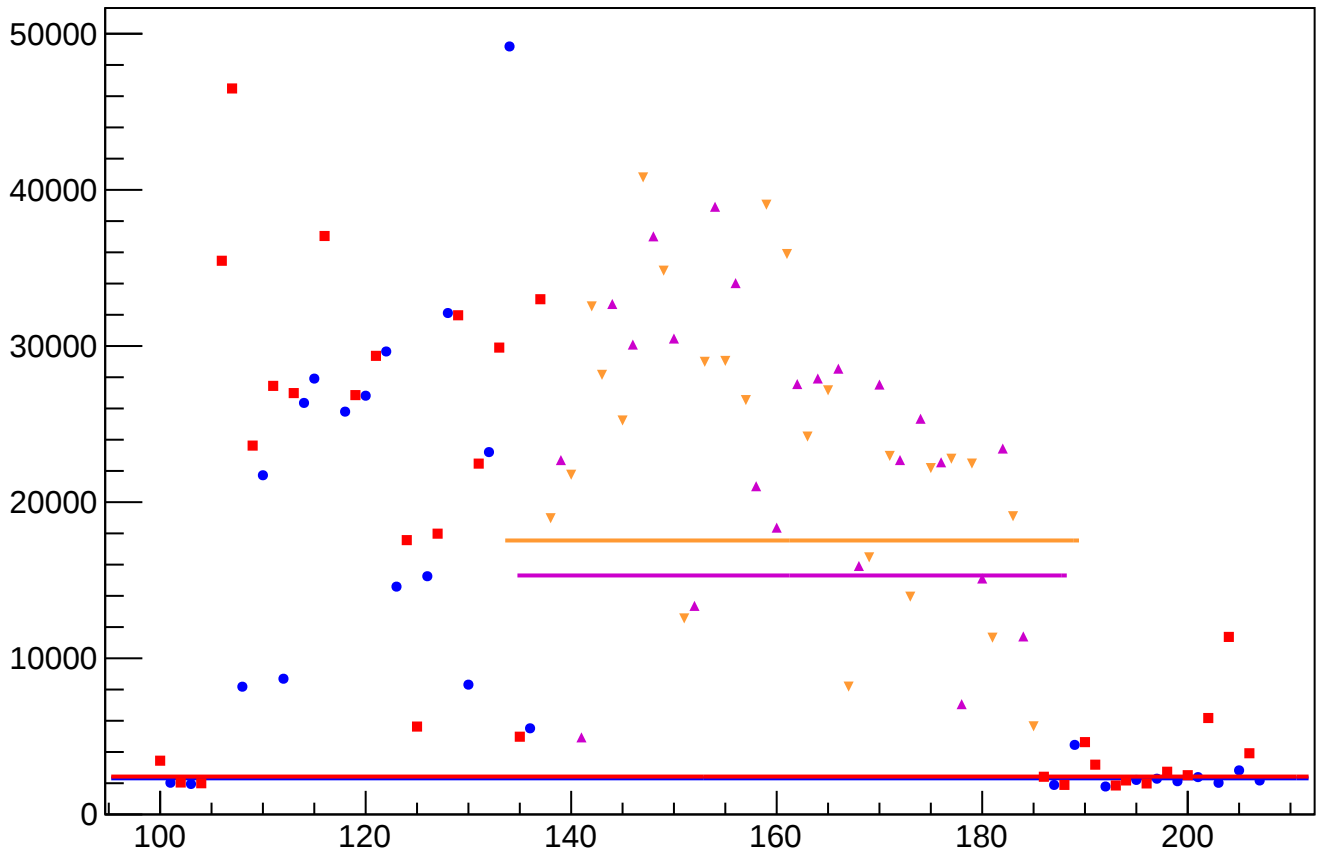
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -19.414 ± 0.969 χ^2/NDF : 963.8/51

All: -20.700 ± 0.711 χ^2/NDF : 1639.6/105

- sign -22.194 ± 1.045 χ^2/NDF : 672.1/53

diff_bpm0l03Y_rms vs Slug



Right In: 2313.328 ± 0.699 $\chi^2/\text{NDF}: 5812315.6/26$

Left Out: 17546.173 ± 3.517 $\chi^2/\text{NDF}: 5902620.4/24$

Right Out: 2426.685 ± 0.757 $\chi^2/\text{NDF}: 8747159.2/30$

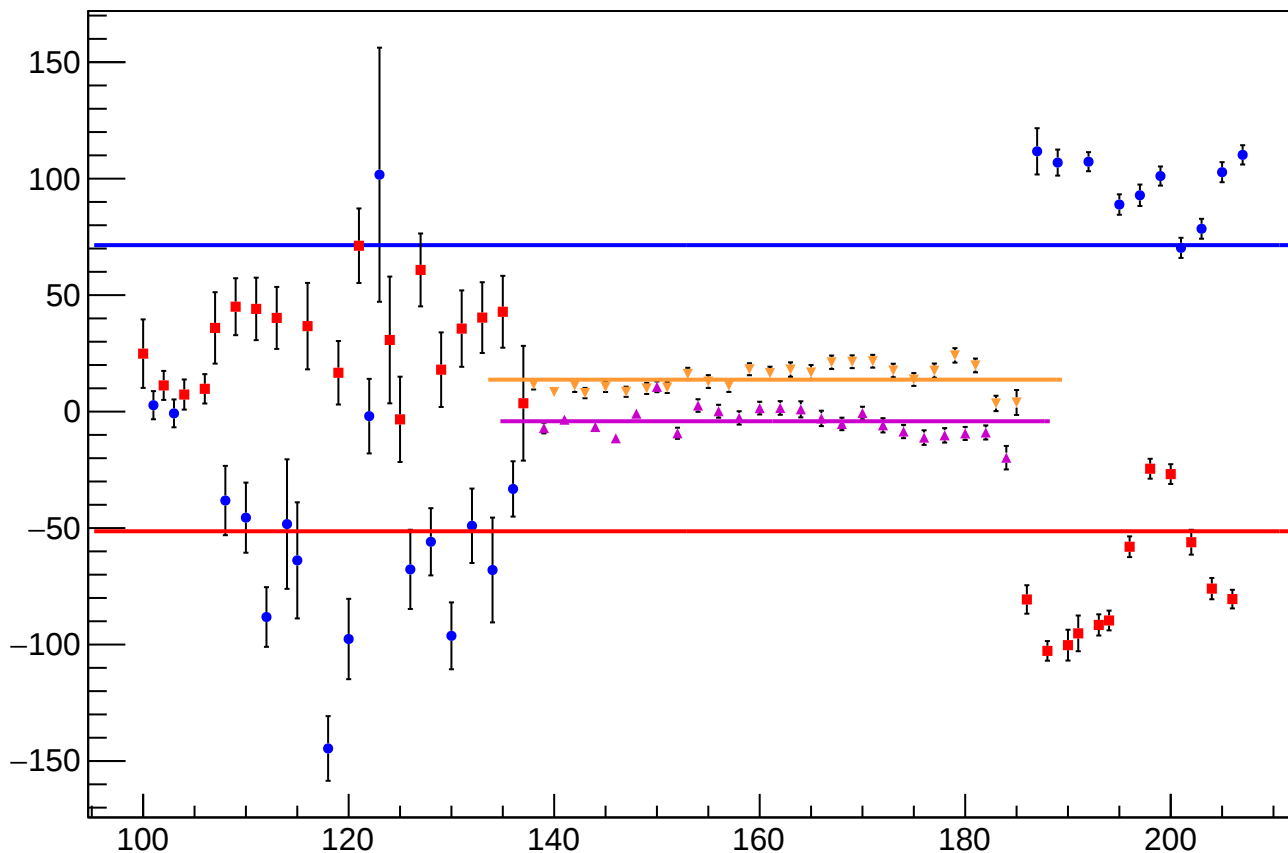
Left In: 15305.311 ± 3.386 $\chi^2/\text{NDF}: 7721177.0/22$

+ sign 2891.978 ± 0.686 $\chi^2/\text{NDF}: 29758469.0/51$

All: 2960.314 ± 0.503 $\chi^2/\text{NDF}: 60024228.6/100$

- sign 3039.677 ± 0.739 $\chi^2/\text{NDF}: 30244282.8/53$

diff_bpm0l04X_mean vs Slug



Right In: 71.457 ± 1.299 χ^2/NDF : 1773.9/26

Left Out: 13.710 ± 0.535 χ^2/NDF : 89.9/24

Right Out: -51.366 ± 1.219 χ^2/NDF : 1372.3/30

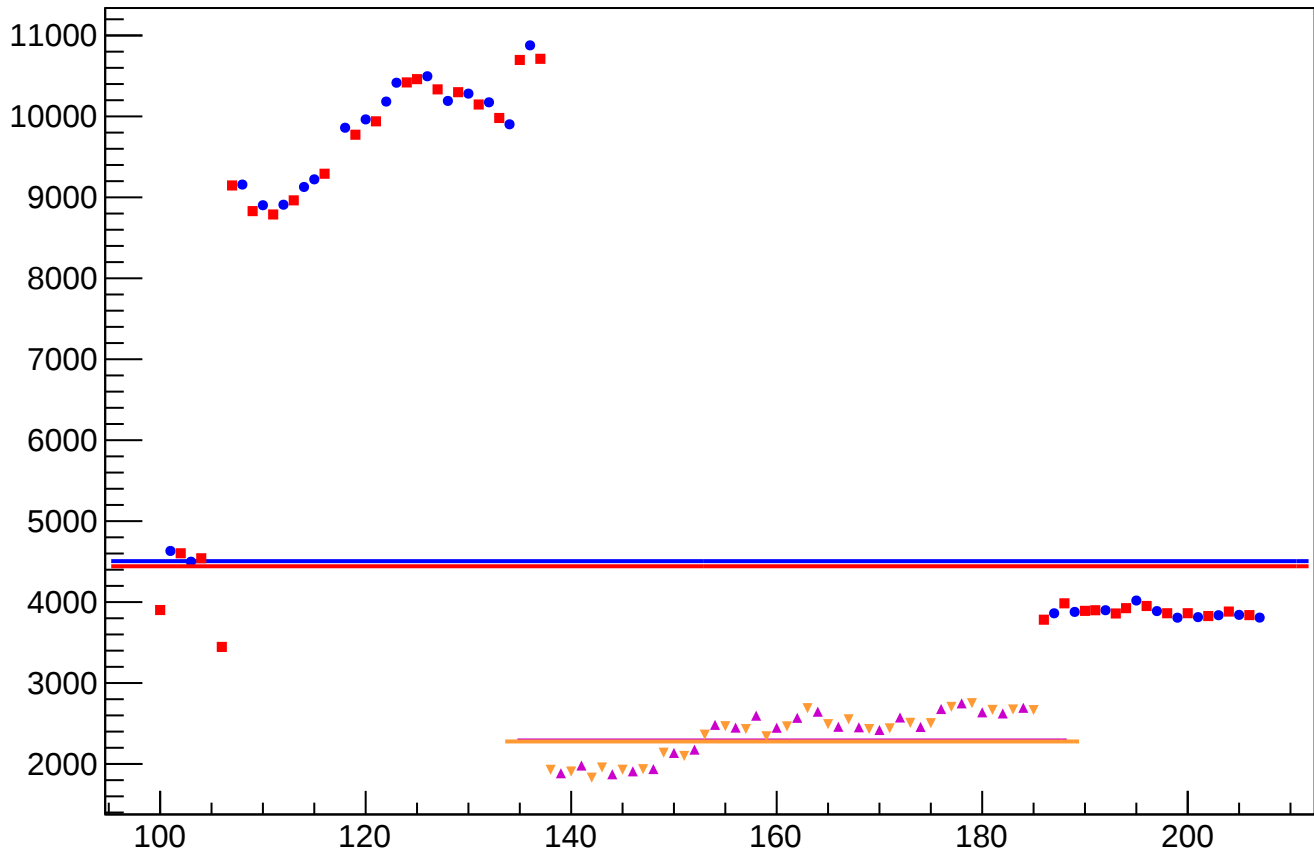
Left In: -4.141 ± 0.555 χ^2/NDF : 111.7/22

+ sign 22.095 ± 0.495 χ^2/NDF : 3554.0/51

All: 5.271 ± 0.353 χ^2/NDF : 8640.6/105

- sign -12.245 ± 0.505 χ^2/NDF : 2727.5/53

diff_bpm0l04X_rms vs Slug



Right In: 4505.720+/-0.918 χ^2/NDF : 3729514.4/26

Left Out: 2278.115+/-0.378 χ^2/NDF : 607109.4/24

Right Out: 4442.482+/-0.862 χ^2/NDF : 3784403.4/30

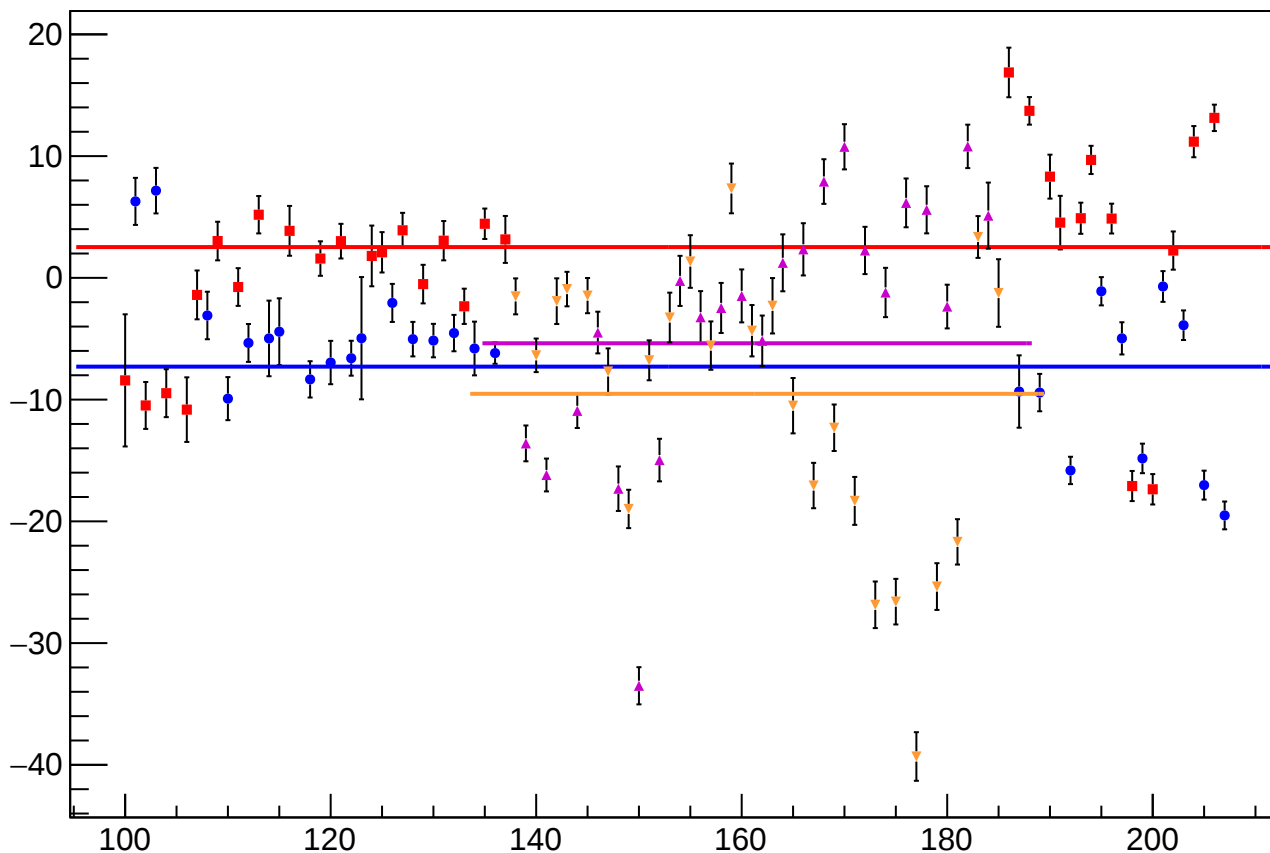
Left In: 2290.461+/-0.392 χ^2/NDF : 590272.1/22

+ sign 2601.587+/-0.350 χ^2/NDF : 9366888.5/51

All: 2630.099+/-0.250 χ^2/NDF : 18919394.7/100

- sign 2659.785+/-0.357 χ^2/NDF : 9538954.5/53

diff_bpm0l04Y_mean vs Slug



Right In: -7.292 ± 0.282 χ^2/NDF : 488.5/26

Left Out: -9.524 ± 0.365 χ^2/NDF : 884.1/24

Right Out: 2.528 ± 0.274 χ^2/NDF : 993.8/30

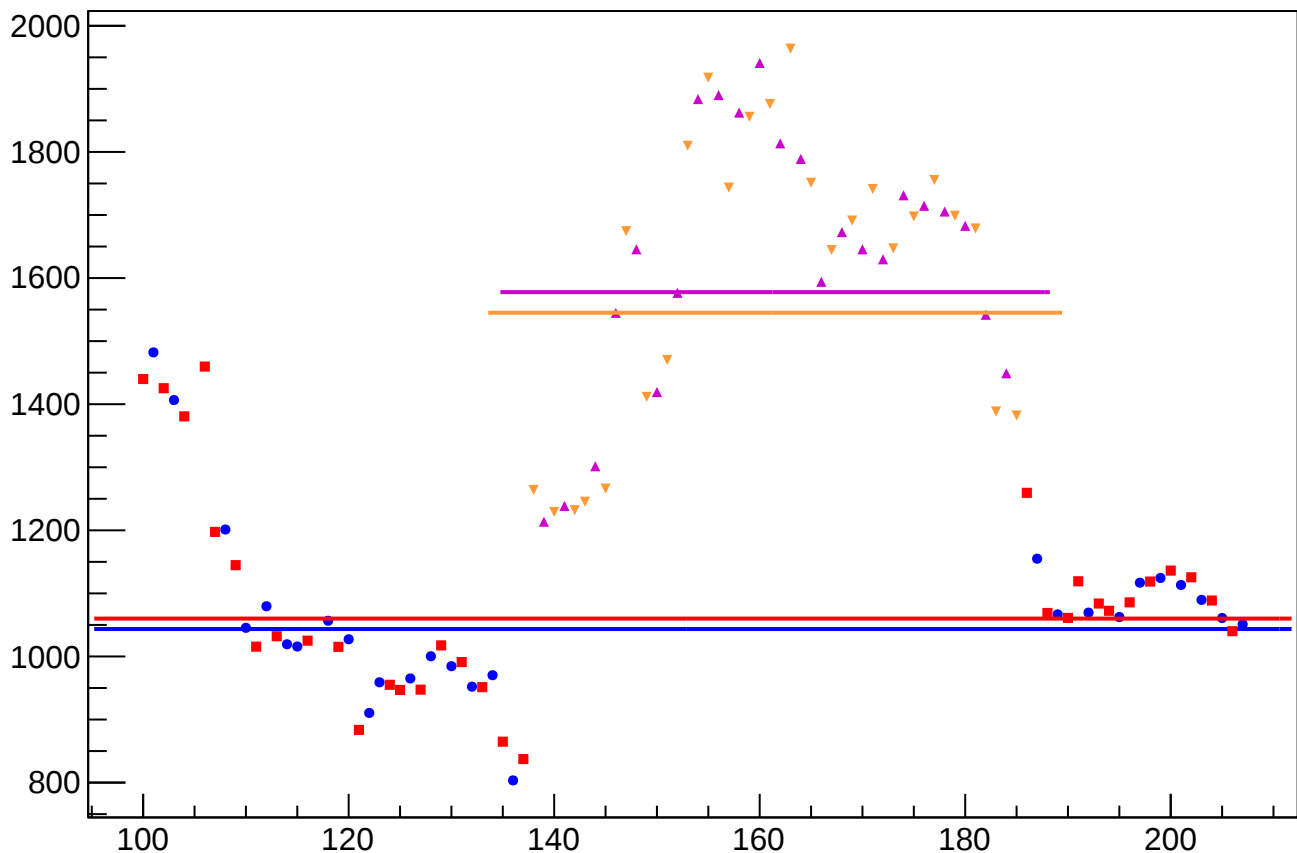
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -8.127 ± 0.223 χ^2/NDF : 1396.0/51

All: -4.132 ± 0.158 χ^2/NDF : 4181.5/105

- sign -0.147 ± 0.223 χ^2/NDF : 2145.2/53

diff_bpm0l04Y_rms vs Slug



Right In: 1043.508 $\pm$ 0.199 χ^2 /NDF: 410365.9/26

Left Out: 1545.053 $\pm$ 0.258 χ^2 /NDF: 842722.3/24

Right Out: 1060.065 $\pm$ 0.194 χ^2 /NDF: 387613.2/30

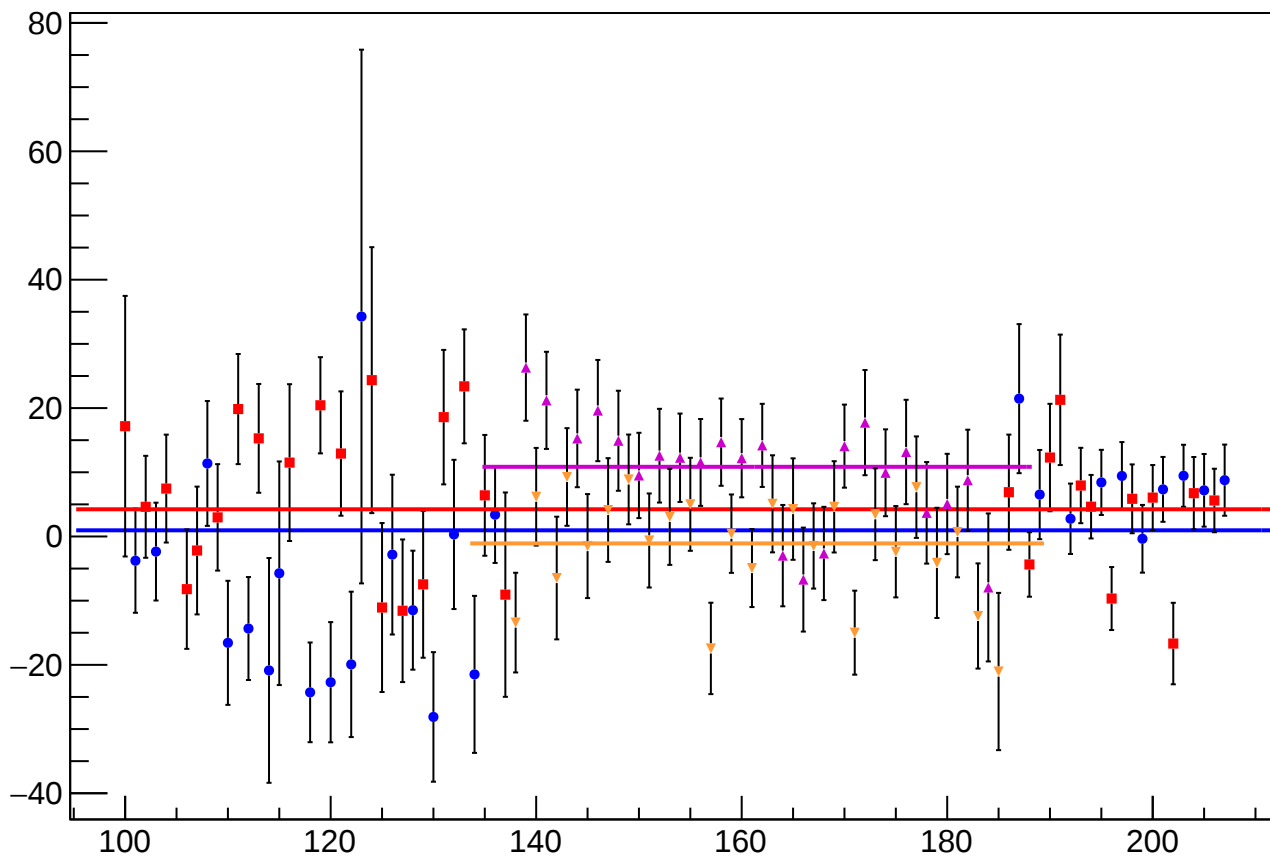
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1231.205 $\pm$ 0.158 χ^2 /NDF: 3619059.2/51

All: 1233.288 $\pm$ 0.111 χ^2 /NDF: 7049542.1/10

- sign 1235.366 $\pm$ 0.158 χ^2 /NDF: 3430134.8/53

diff_bpm0l05X_mean vs Slug



Right In: 0.958 ± 1.429 χ^2/NDF : 61.5/26

Left Out: -1.083 ± 1.487 χ^2/NDF : 27.5/24

Right Out: 4.236 ± 1.348 χ^2/NDF : 52.8/30

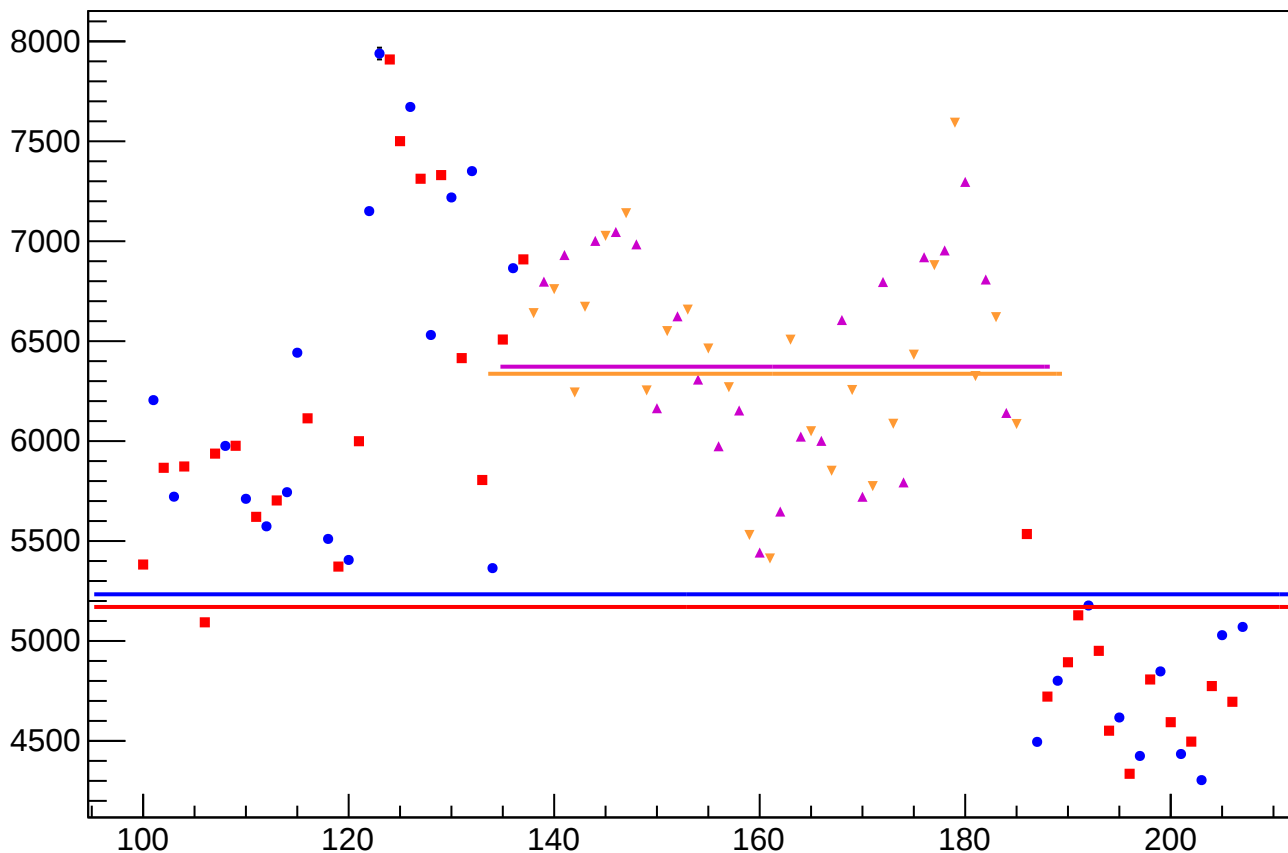
Left In: 10.851 ± 1.542 χ^2/NDF : 24.4/22

+ sign -0.022 ± 1.030 χ^2/NDF : 90.0/51

All: 3.595 ± 0.723 χ^2/NDF : 201.9/105

- sign 7.102 ± 1.015 χ^2/NDF : 87.6/53

diff_bpm0l05X_rms vs Slug



Right In: 5233.506+/-1.010 χ^2/NDF : 723374.8/26

Left Out: 6336.876+/-1.052 χ^2/NDF : 222912.5/24

Right Out: 5170.157+/-0.953 χ^2/NDF : 647669.0/30

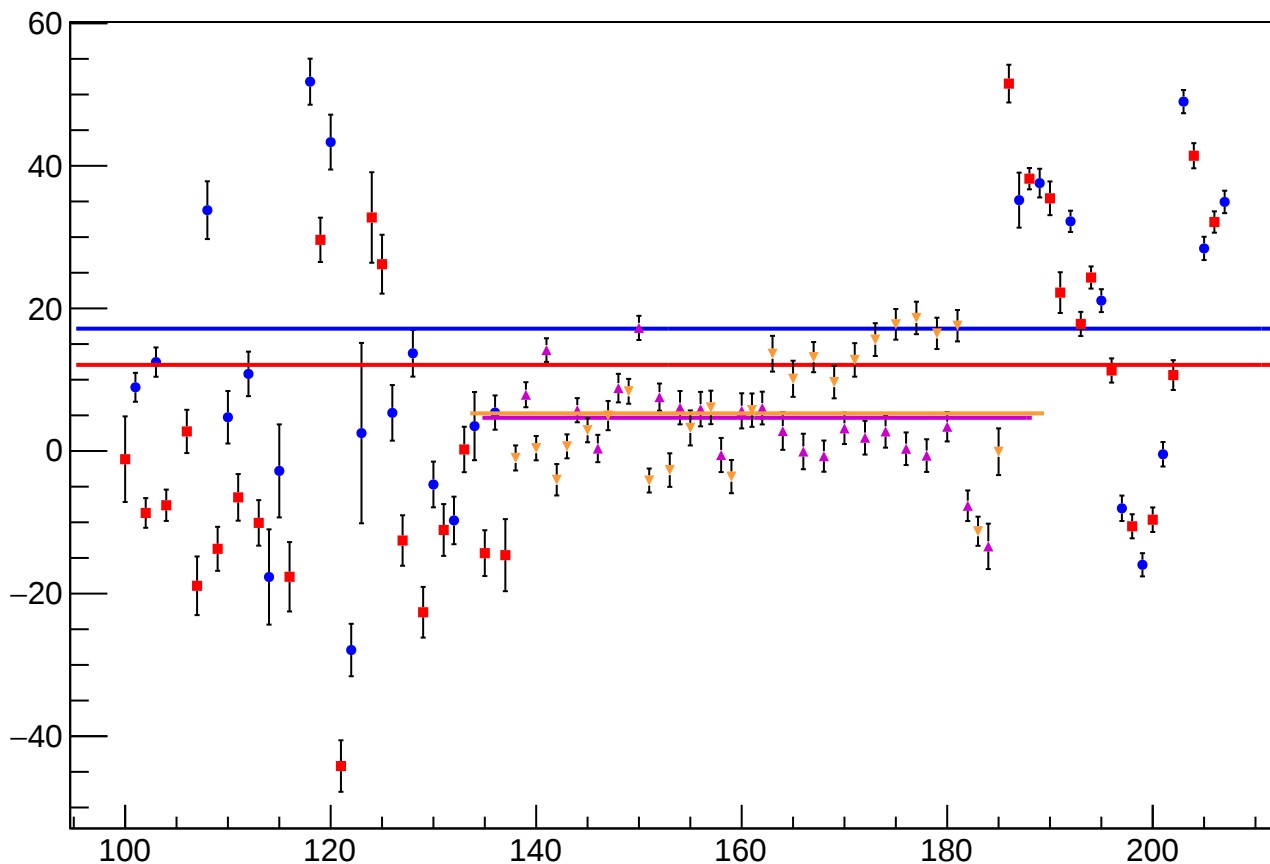
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 5763.166+/-0.729 χ^2/NDF : 1518730.4/51

All: 5726.507+/-0.511 χ^2/NDF : 3107990.4/10

- sign 5690.956+/-0.717 χ^2/NDF : 1584273.3/53

diff_bpm0l05Y_mean vs Slug



Right In: 17.160 $\pm$ 0.451 χ^2 /NDF: 2067.9/26

Left Out: 5.284 $\pm$ 0.421 χ^2 /NDF:366.1/24

Right Out: 12.079 $\pm$ 0.431 χ^2 /NDF: 2535.6/30

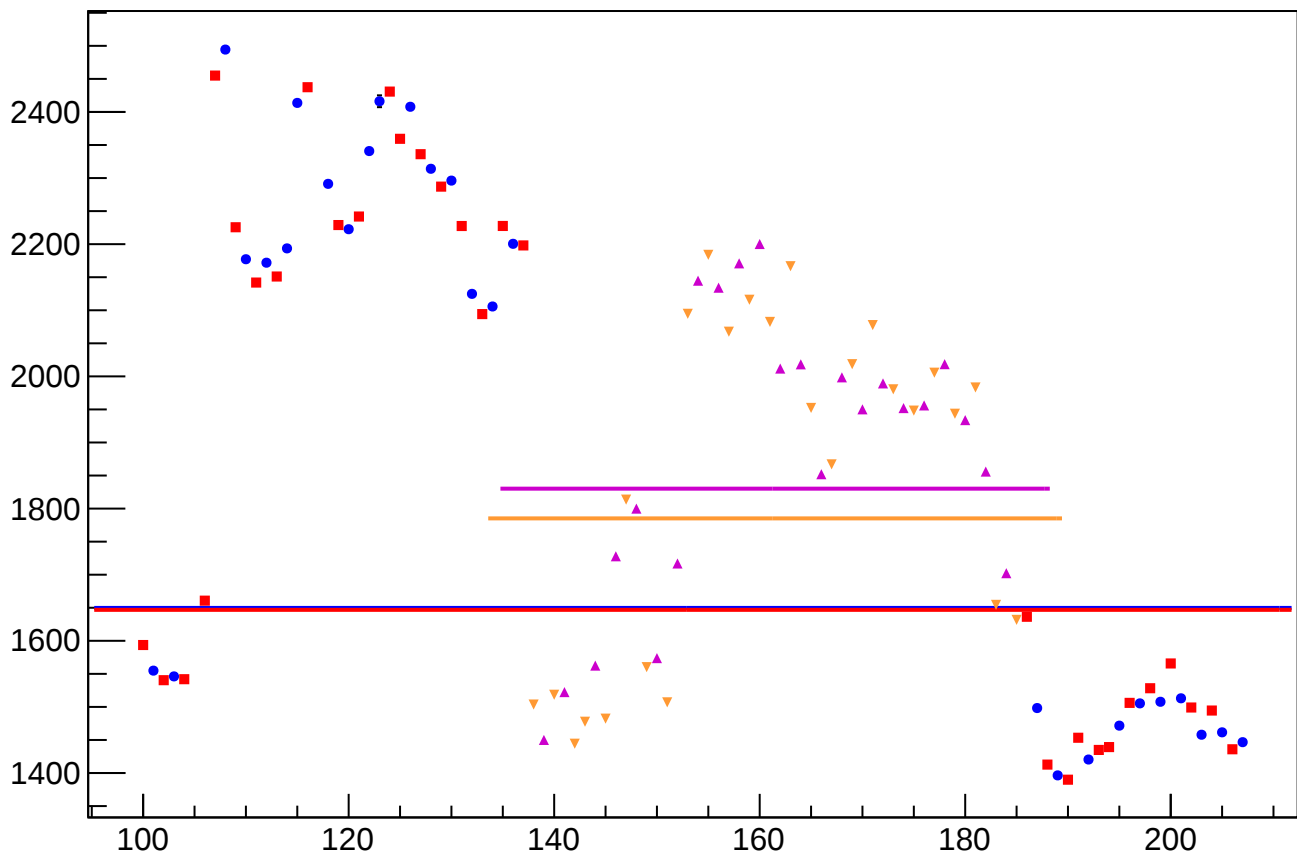
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF:196.5/22

+ sign 10.806 $\pm$ 0.308 χ^2 /NDF: 2804.5/51

All: 9.645 $\pm$ 0.218 χ^2 /NDF: 5709.3/105

- sign 8.475 $\pm$ 0.309 χ^2 /NDF: 2876.3/53

diff_bpm0l05Y_rms vs Slug



Right In: 1649.747 $\pm$ 0.319 χ^2 /NDF: 1073688.8/26

Left Out: 1785.179 $\pm$ 0.297 χ^2 /NDF: 750628.1/24

Right Out: 1646.840 $\pm$ 0.305 χ^2 /NDF: 1082353.5/30

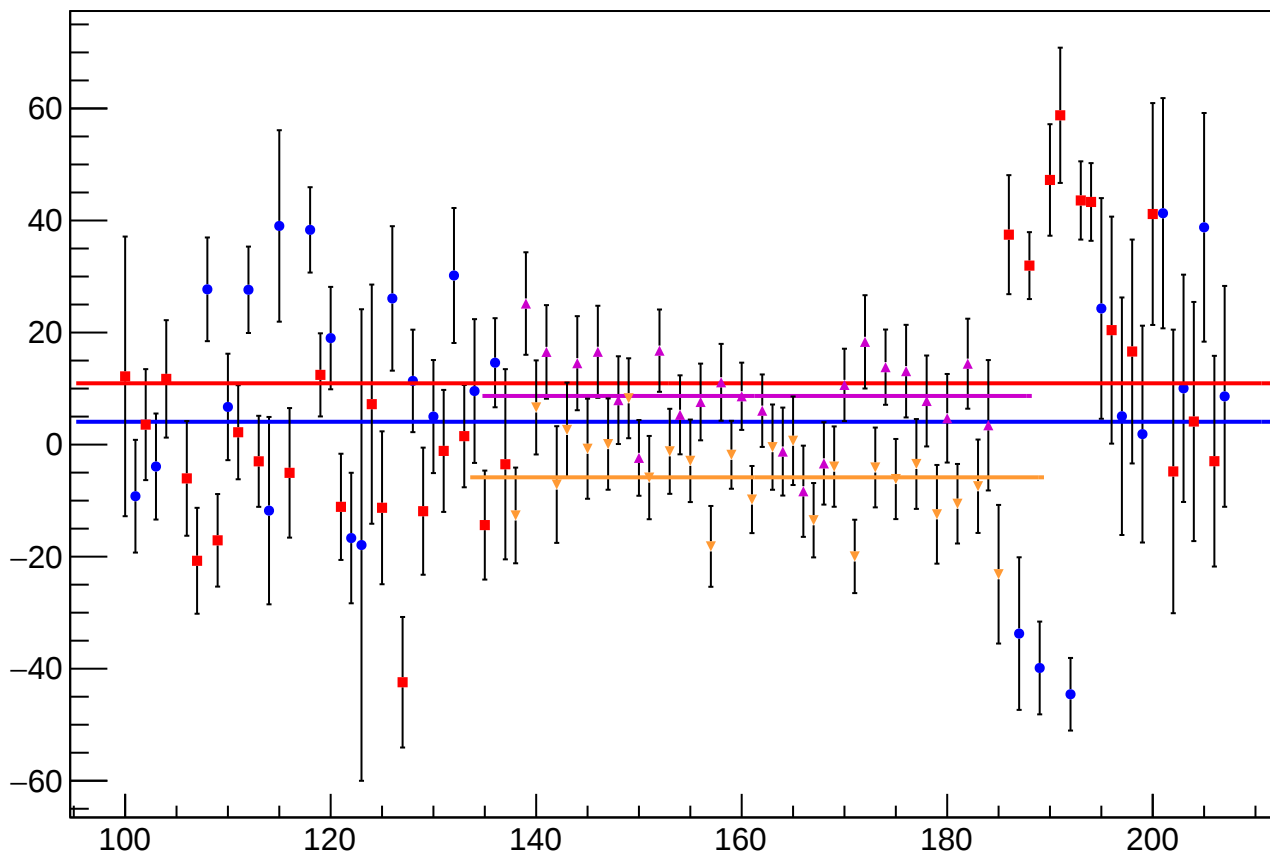
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1722.213 $\pm$ 0.218 χ^2 /NDF: 1920688.3/51

All: 1729.008 $\pm$ 0.154 χ^2 /NDF: 3689306.6/10

- sign 1735.856 $\pm$ 0.218 χ^2 /NDF: 1766660.2/53

diff_bpm0l06X_mean vs Slug



Right In: 4.074 ± 2.121 χ^2/NDF : 159.6/26

Left Out: -5.840 ± 1.518 χ^2/NDF : 23.3/24

Right Out: 10.942 ± 1.861 χ^2/NDF : 169.8/30

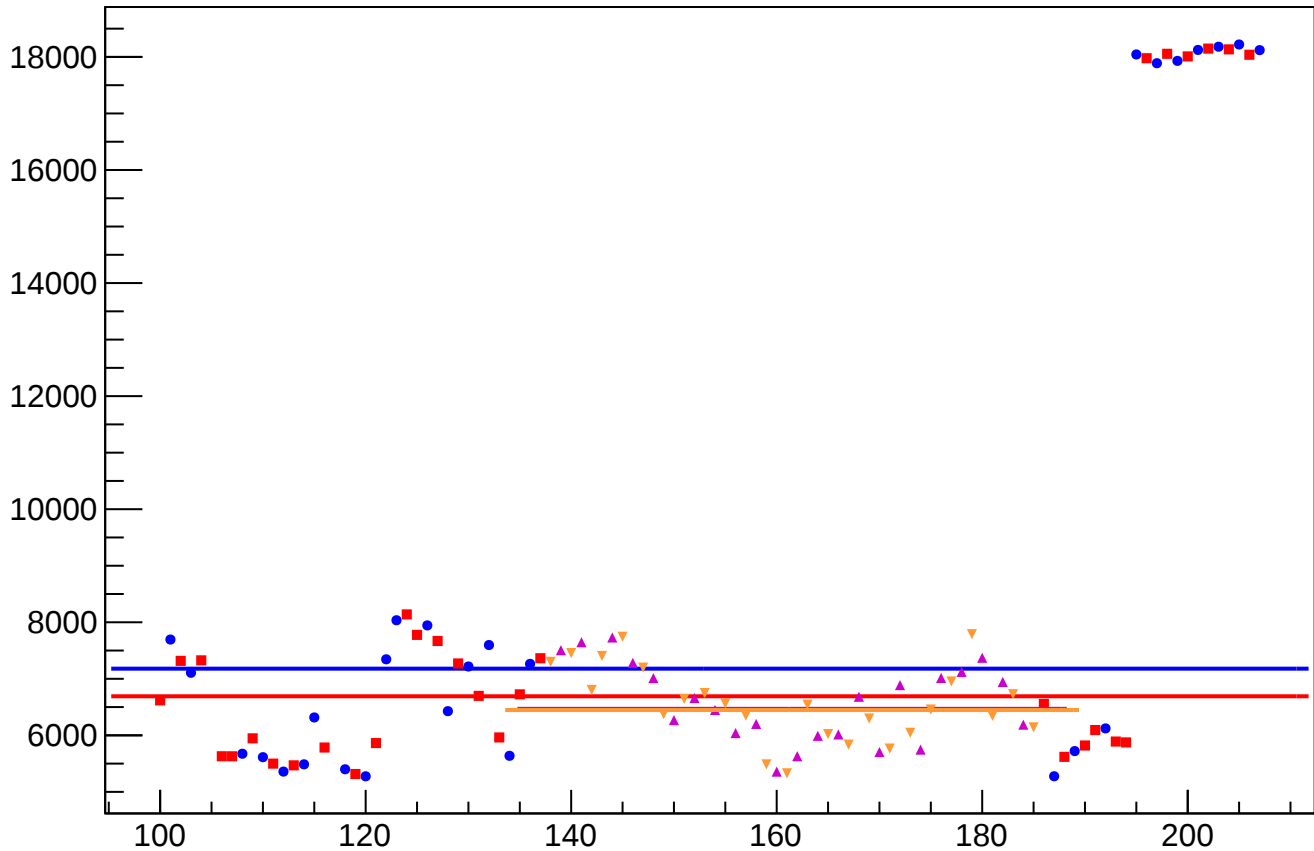
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -2.480 ± 1.235 χ^2/NDF : 197.4/51

All: 3.742 ± 0.861 χ^2/NDF : 439.4/105

- sign 9.623 ± 1.200 χ^2/NDF : 192.6/53

diff_bpm0l06X_rms vs Slug



Right In: 7179.391 $\pm$ 1.500 χ^2 /NDF: 4746083.6/26

Left Out: 6447.712 $\pm$ 1.074 χ^2 /NDF: 371671.1/24

Right Out: 6690.737 $\pm$ 1.316 χ^2 /NDF: 4089814.0/30

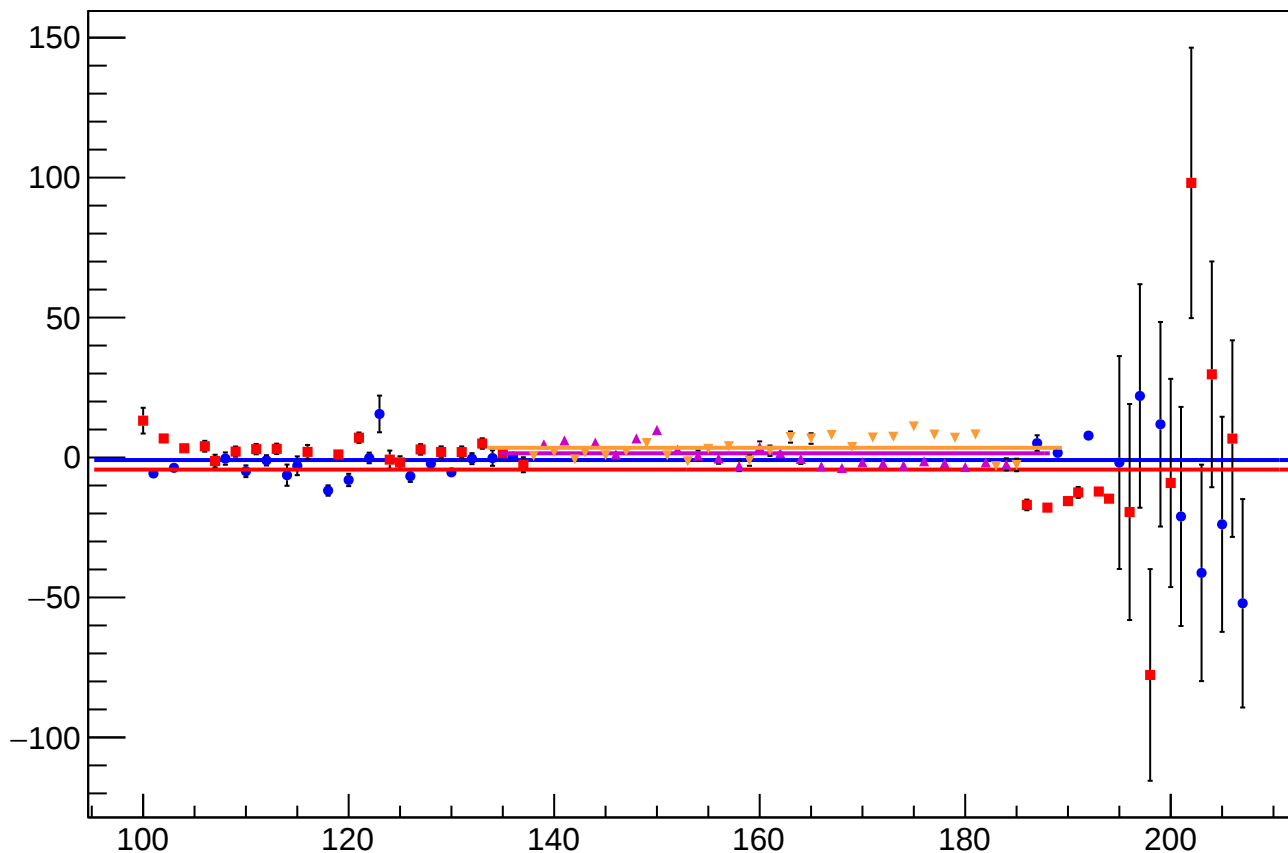
Left In: 6468.902 $\pm$ 1.111 χ^2 /NDF: 383325.4/22

+ sign 6695.666 $\pm$ 0.873 χ^2 /NDF: 5275155.6/51

All: 6626.533 $\pm$ 0.609 χ^2 /NDF: 9777094.3/10

- sign 6561.189 $\pm$ 0.849 χ^2 /NDF: 4489738.5/53

diff_bpm0l06Y_mean vs Slug



Right In: -0.902 ± 0.406 χ^2/NDF : 175.4/26

Left Out: 3.470 ± 0.276 χ^2/NDF : 176.0/24

Right Out: -4.313 ± 0.355 χ^2/NDF : 671.3/30

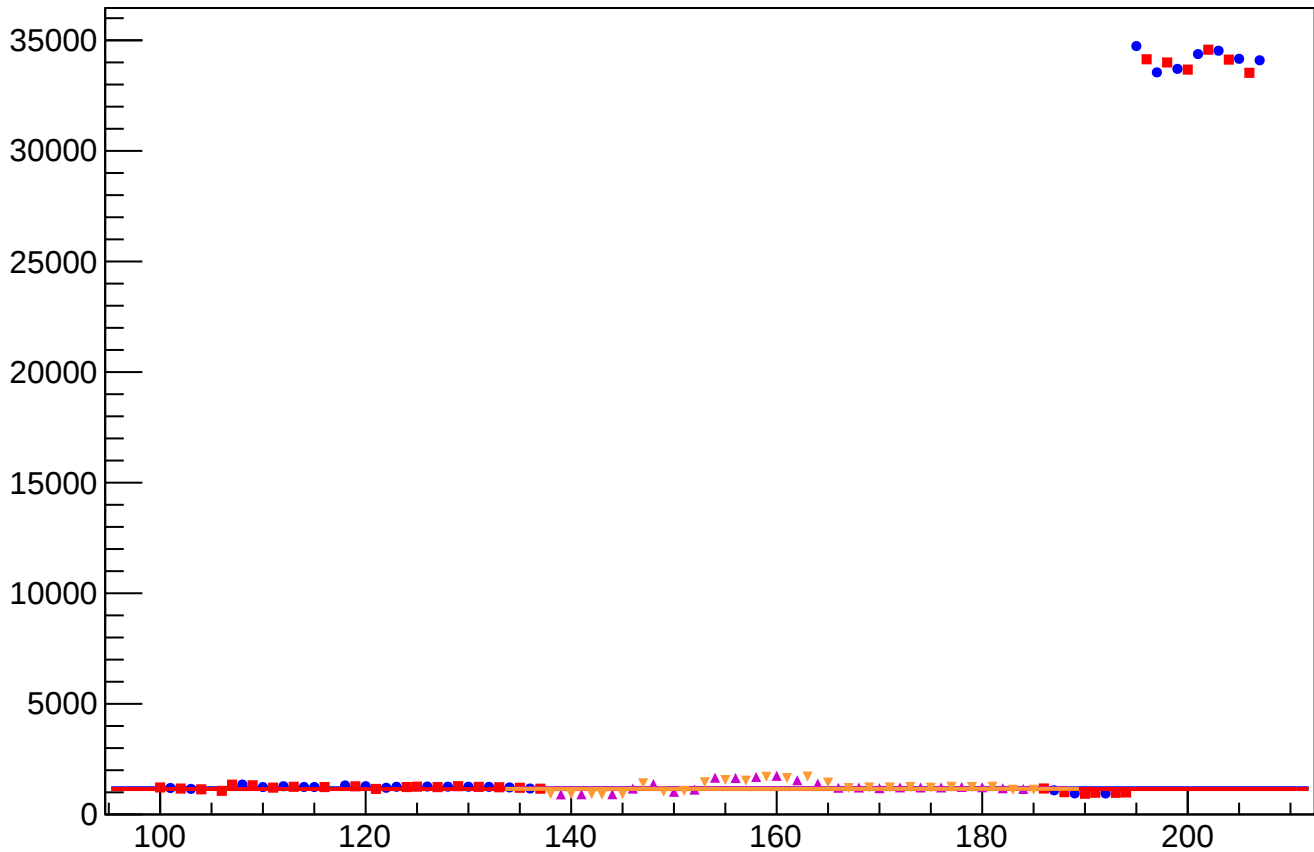
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.084 ± 0.228 χ^2/NDF : 430.7/51

All: 0.601 ± 0.160 χ^2/NDF : 1548.6/105

- sign -0.835 ± 0.225 χ^2/NDF : 1034.9/53

diff_bpm0l06Y_rms vs Slug



Right In: 1185.032 $\pm$ 0.287 χ^2 /NDF: 10634274.2/26

Left Out: 1158.894 $\pm$ 0.195 χ^2 /NDF: 1410423.6/24

Right Out: 1148.790 $\pm$ 0.251 χ^2 /NDF: 8740316.5/30

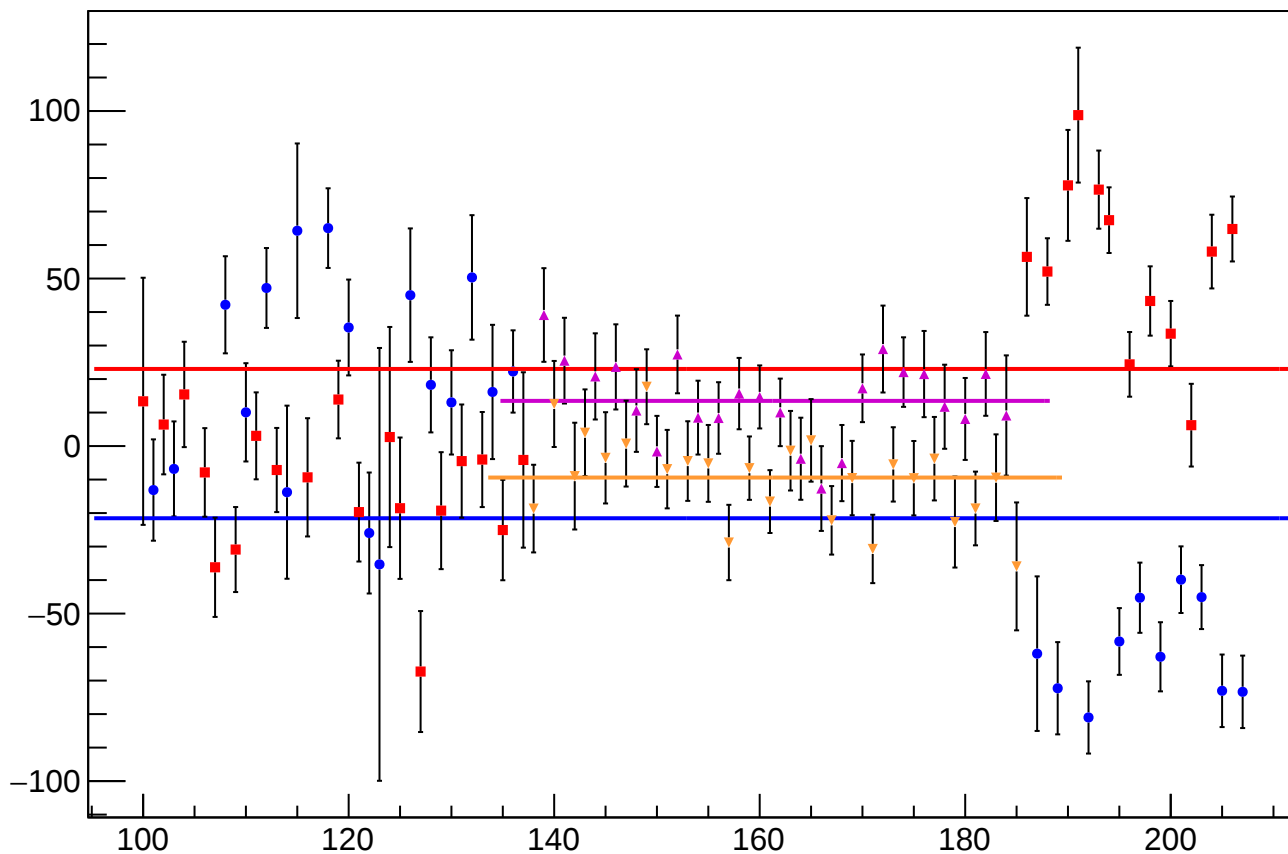
Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1167.181 $\pm$ 0.162 χ^2 /NDF: 12050369.0/51

All: 1168.830 $\pm$ 0.113 χ^2 /NDF: 21993775.7/100

- sign 1170.426 $\pm$ 0.159 χ^2 /NDF: 9943201.5/53

diff_bpm0l07X_mean vs Slug



Right In: -21.546 ± 2.580 χ^2/NDF : 330.7/26

Left Out: -9.398 ± 2.358 χ^2/NDF : 26.3/24

Right Out: 23.017 ± 2.422 χ^2/NDF : 228.8/30

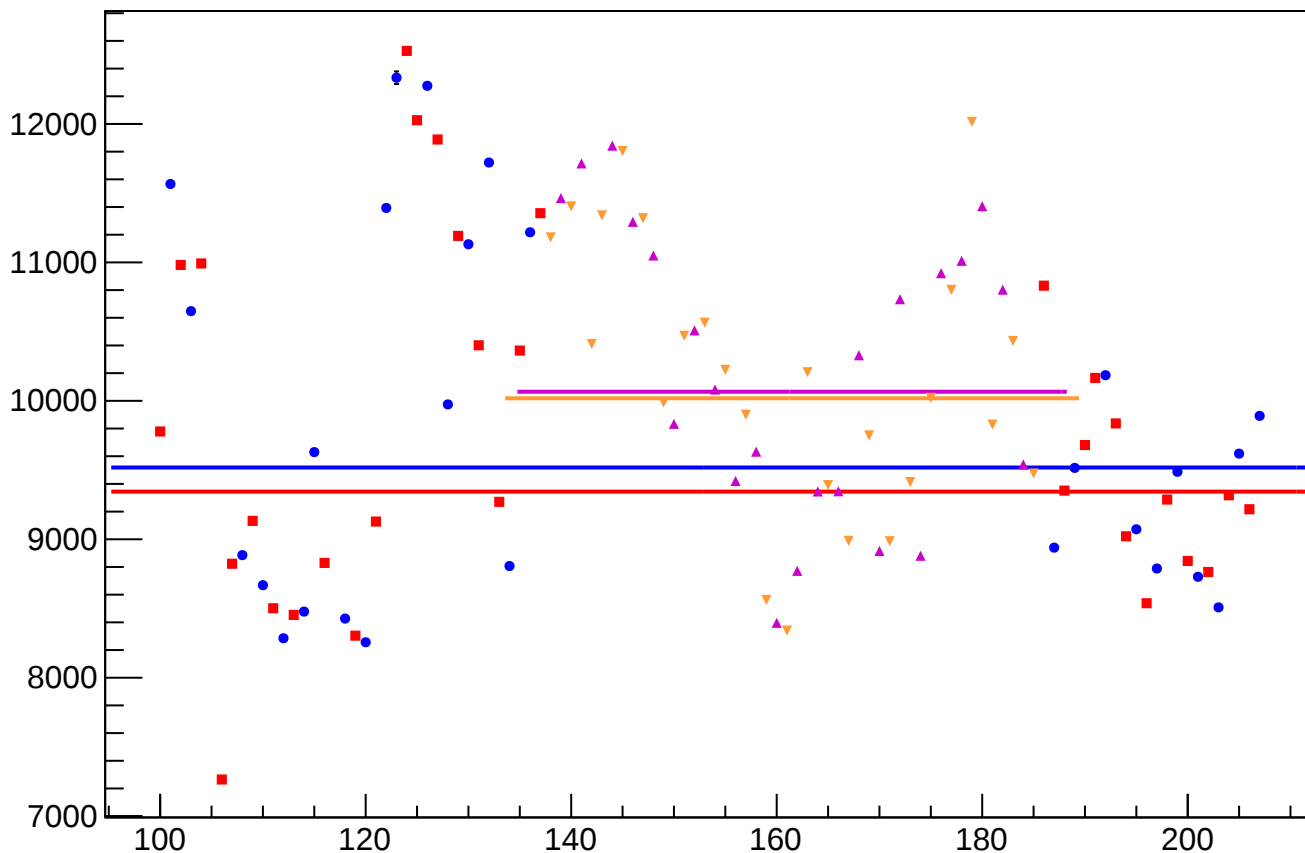
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -14.927 ± 1.741 χ^2/NDF : 369.1/51

All: 1.885 ± 1.223 χ^2/NDF : 811.5/105

- sign 18.293 ± 1.720 χ^2/NDF : 258.1/53

diff_bpm0l07X_rms vs Slug



Right In: 9518.442 $\pm$ 1.825 χ^2 /NDF: 333390.6/26

Left Out: 10018.563 $\pm$ 1.668 χ^2 /NDF:344534.6/24

Right Out: 9344.290 $\pm$ 1.712 χ^2 /NDF: 326263.8/30

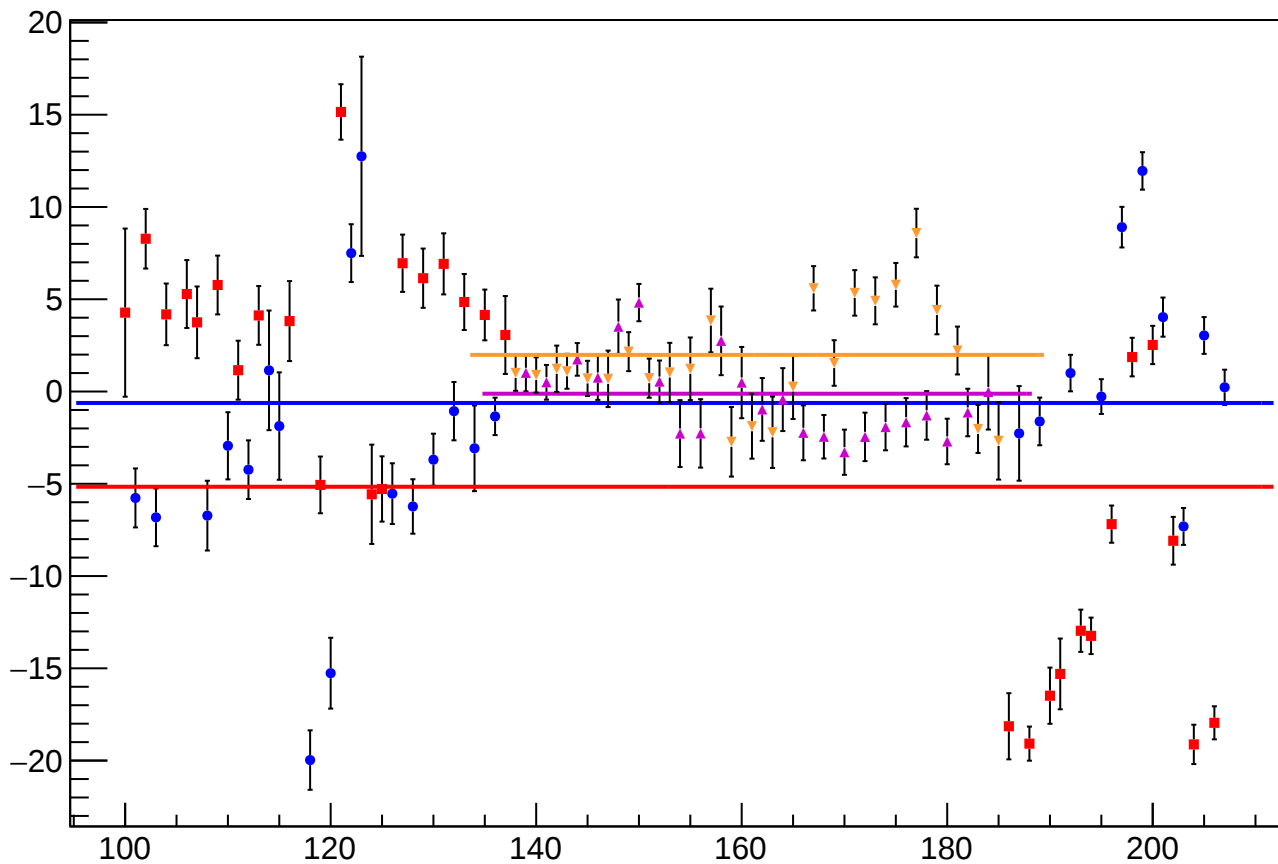
Left In: 10065.909 $\pm$ 1.727 χ^2 /NDF:357868.9/22

+ sign 9790.917 $\pm$ 1.231 χ^2 /NDF: 718860.8/51

All: 9745.885 $\pm$ 0.865 χ^2 /NDF: 1493666.1/10

- sign 9701.938 $\pm$ 1.216 χ^2 /NDF: 772161.0/53

diff_bpm0l07Y_mean vs Slug



Right In: -0.620 ± 0.261 χ^2/NDF : 619.9/26

Left Out: 1.985 ± 0.255 χ^2/NDF : 101.2/24

Right Out: -5.161 ± 0.250 χ^2/NDF : 1683.6/30

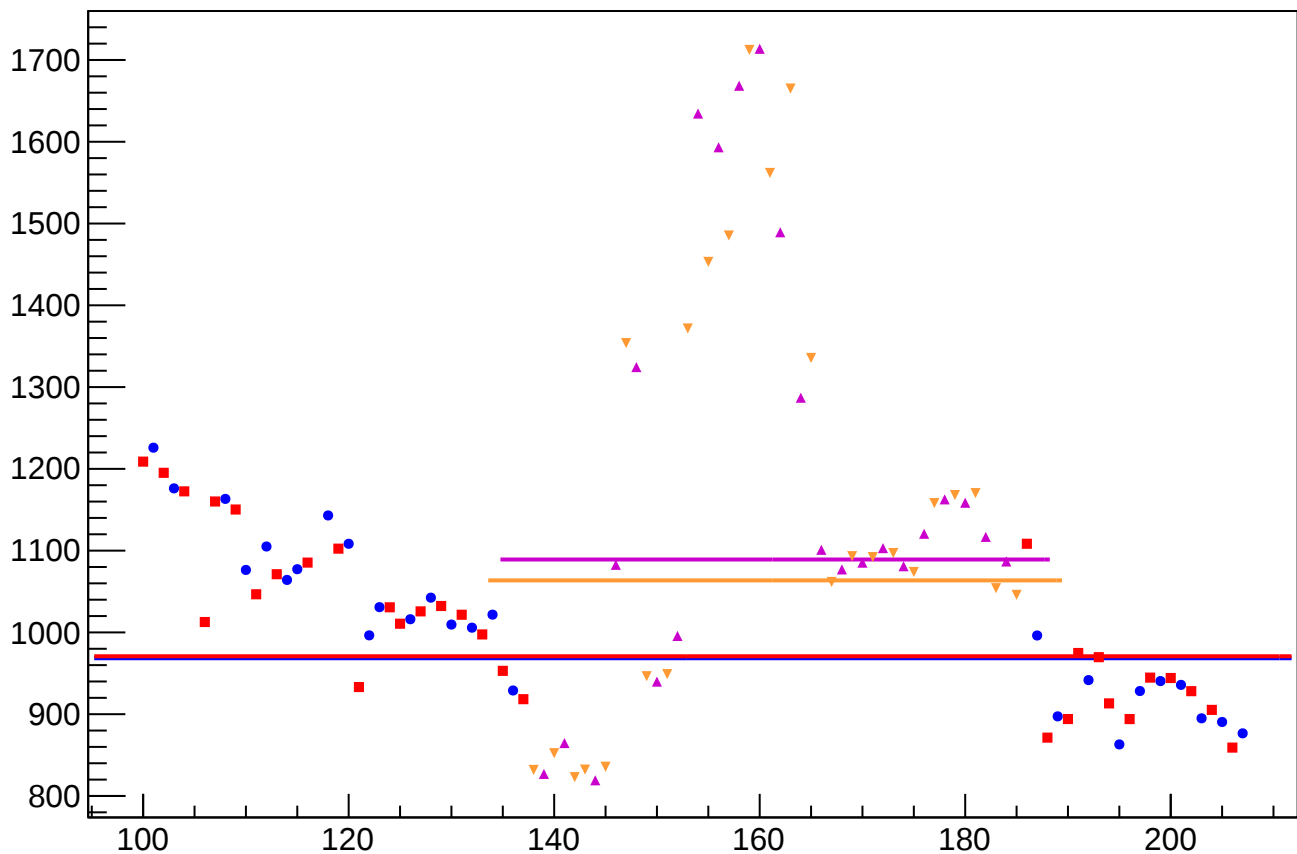
Left In: -0.120 ± 0.269 χ^2/NDF : 67.6/22

+ sign 0.714 ± 0.182 χ^2/NDF : 772.1/51

All: -1.044 ± 0.129 χ^2/NDF : 2898.4/105

- sign -2.818 ± 0.183 χ^2/NDF : 1939.6/53

diff_bpm0l07Y_rms vs Slug



Right In: 968.421+/-0.185 χ^2/NDF : 263981.8/26

Left Out: 1063.600+/-0.180 χ^2/NDF : 1617376.3/24

Right Out: 970.822+/-0.177 χ^2/NDF : 265900.1/30

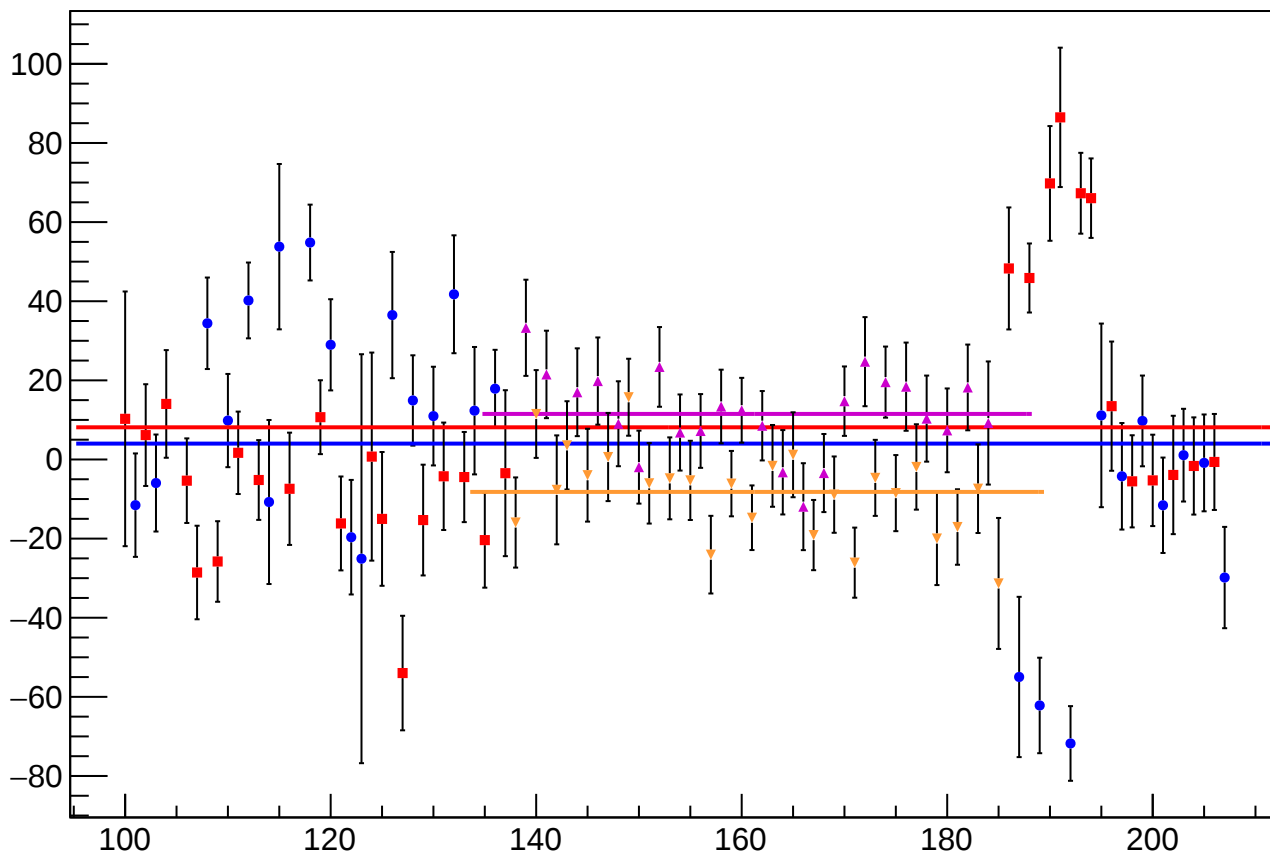
Left In: 1089.154+/-0.190 χ^2/NDF : 1430478.5/22

+ sign 1017.158+/-0.129 χ^2/NDF : 2017517.1/51

All: 1021.472+/-0.091 χ^2/NDF : 3923738.9/10

- sign 1025.827+/-0.130 χ^2/NDF : 1903972.1/53

diff_bpm0l08X_mean vs Slug



Right In: 4.013 ± 2.459 χ^2/NDF : 192.2/26

Left Out: -8.195 ± 2.049 χ^2/NDF : 26.2/24

Right Out: 8.132 ± 2.242 χ^2/NDF : 196.0/30

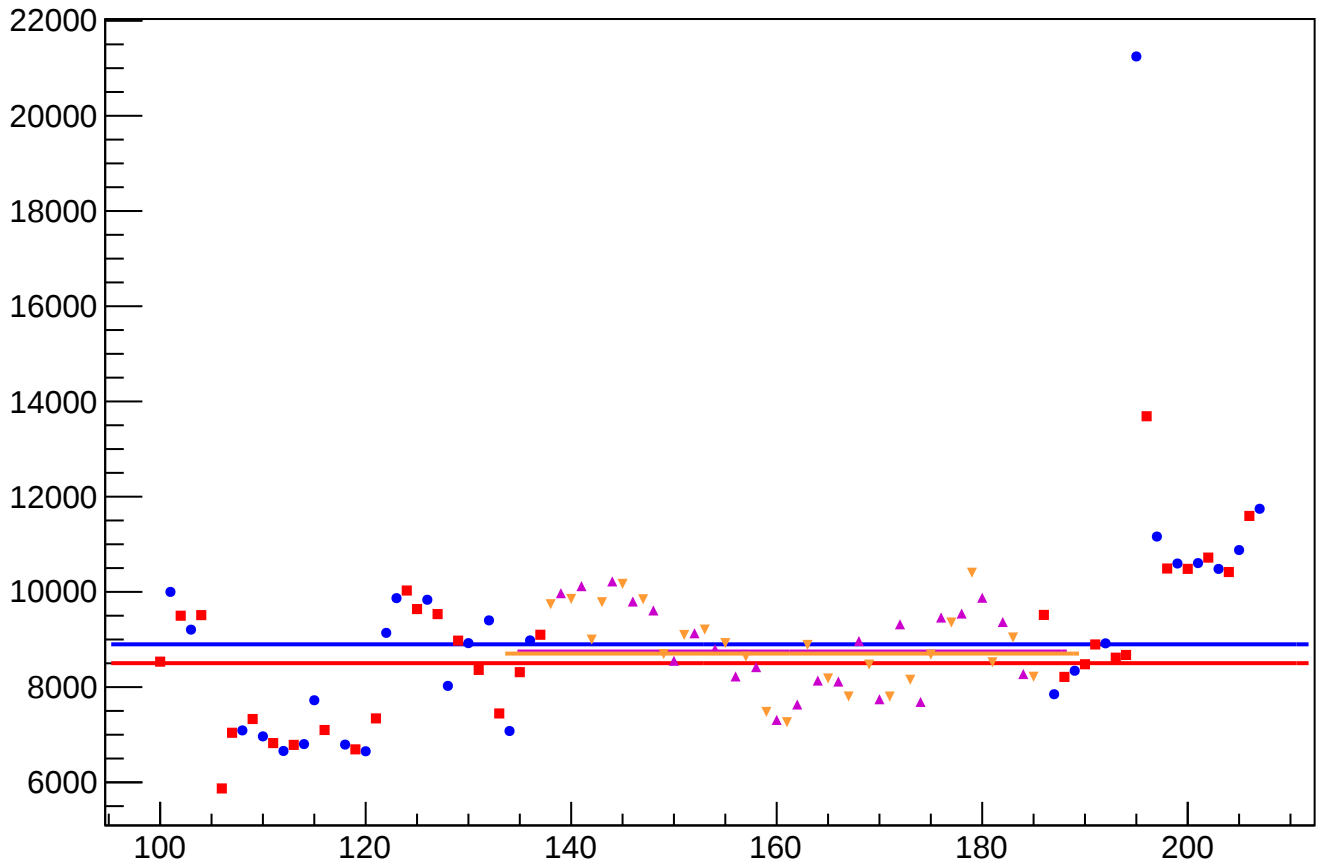
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -3.192 ± 1.574 χ^2/NDF : 232.9/51

All: 3.500 ± 1.101 χ^2/NDF : 486.6/105

- sign 9.916 ± 1.541 χ^2/NDF : 218.3/53

diff_bpm0l08X_rms vs Slug



Right In: 8898.804+/-1.738 χ^2/NDF : 1378595.2/26

Left Out: 8704.193+/-1.449 χ^2/NDF : 332364.3/24

+ sign 8783.946+/-1.113 χ^2/NDF : 1718355.7/51

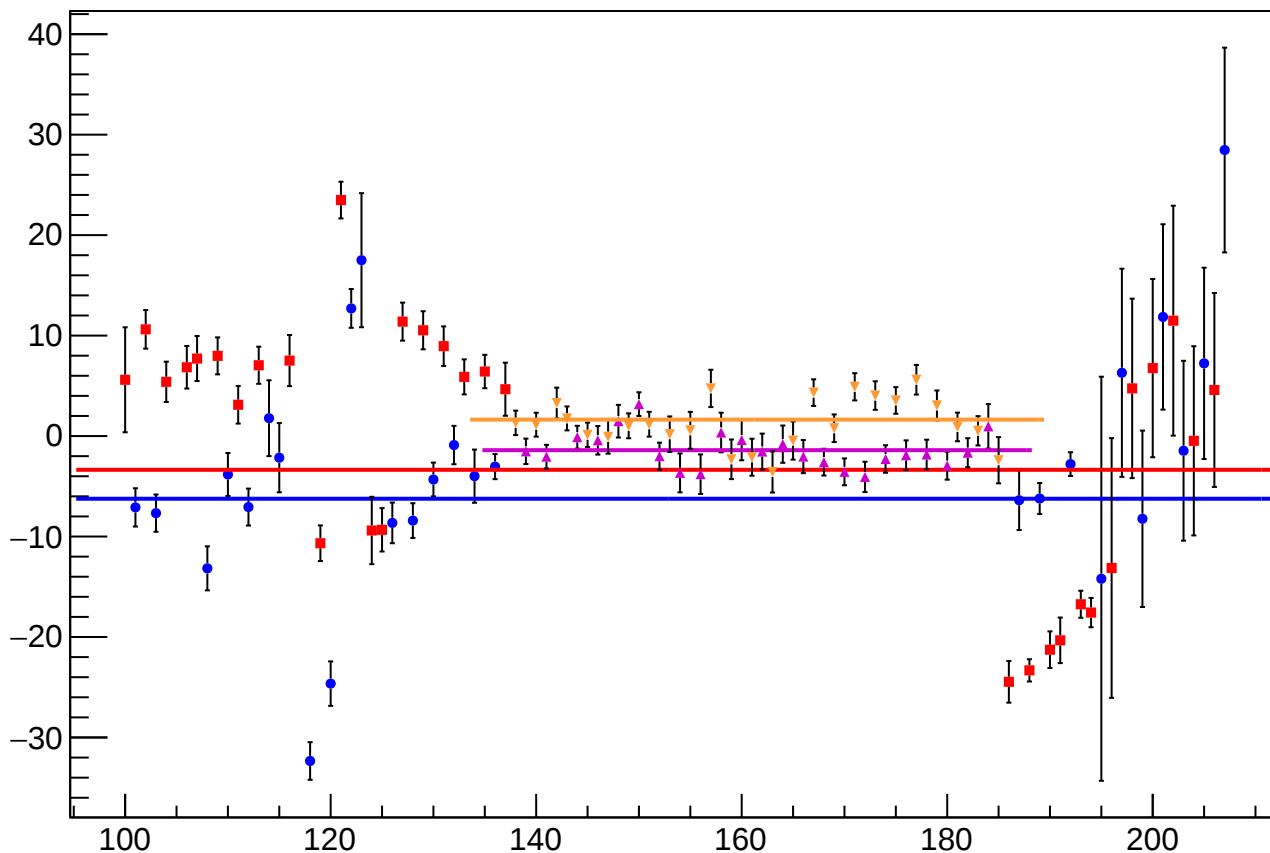
Right Out: 8503.075+/-1.585 χ^2/NDF : 1026619.2/30

All: 8706.337+/-0.779 χ^2/NDF : 3114142.1/10

Left In: 8747.415+/-1.501 χ^2/NDF : 347110.4/22

- sign 8631.918+/-1.090 χ^2/NDF : 1386259.9/53

diff_bpm0l08Y_mean vs Slug



Right In: -6.238 ± 0.425 $\chi^2/\text{NDF}: 437.9/26$

Left Out: 1.639 ± 0.294 $\chi^2/\text{NDF}: 51.3/24$

Right Out: -3.359 ± 0.373 $\chi^2/\text{NDF}: 1471.0/30$

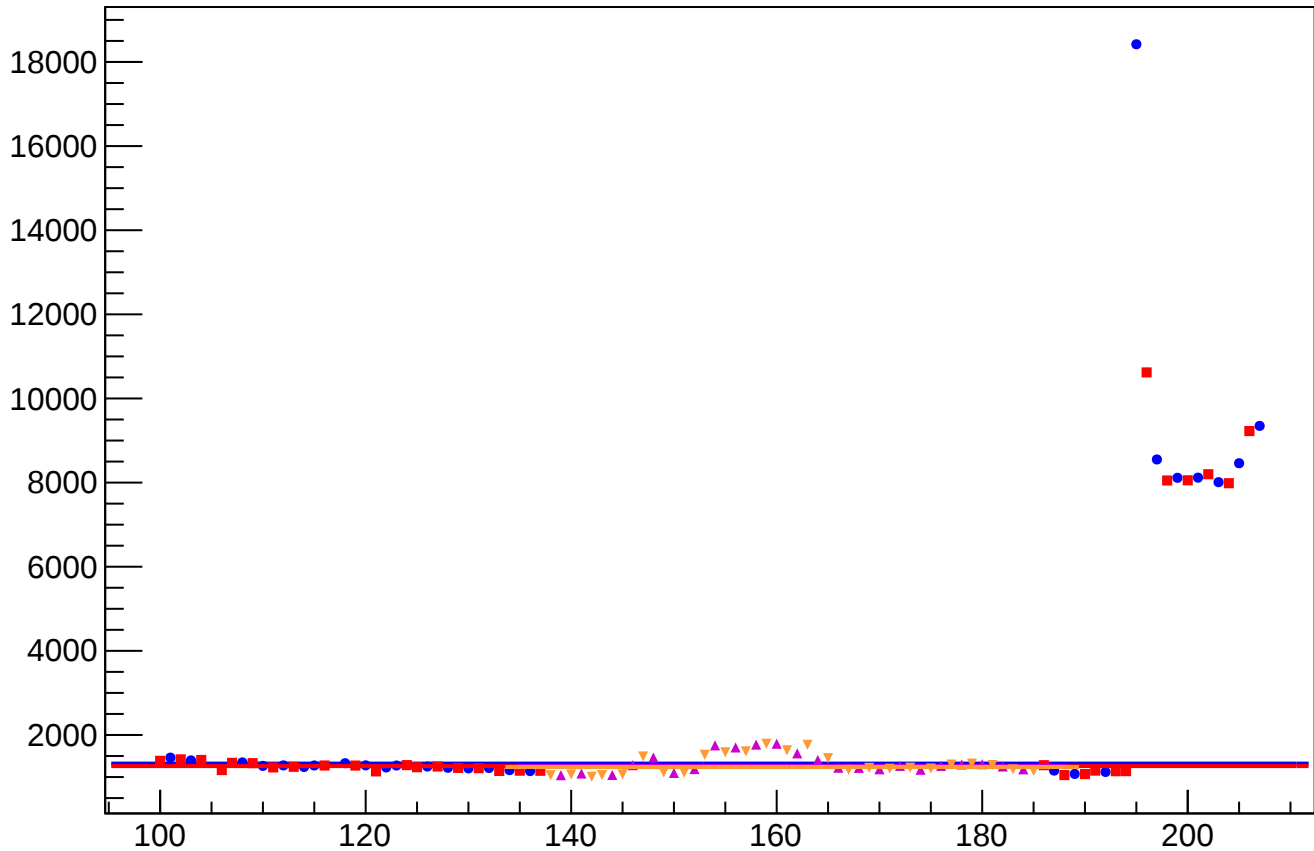
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.906 ± 0.242 $\chi^2/\text{NDF}: 721.8/51$

All: -1.563 ± 0.169 $\chi^2/\text{NDF}: 2257.9/105$

- sign -2.201 ± 0.238 $\chi^2/\text{NDF}: 1521.5/53$

diff_bpm0l08Y_rms vs Slug



Right In: 1319.530+/-0.300 χ^2/NDF : 8396378.9/26

Left Out: 1238.437+/-0.208 χ^2/NDF : 965173.0/24

Right Out: 1260.414+/-0.263 χ^2/NDF : 6696361.7/30

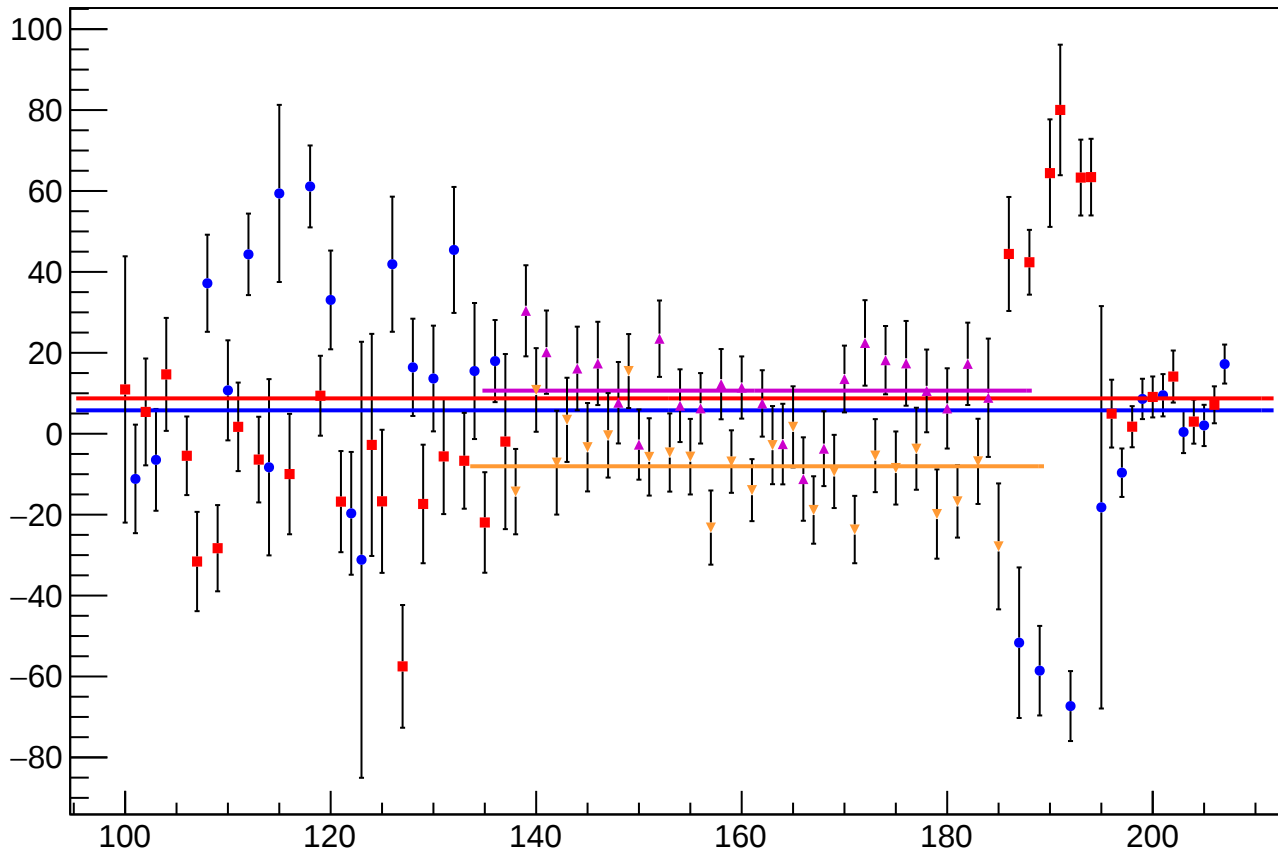
Left In: 1265.673+/-0.218 χ^2/NDF : 845157.0/22

+ sign 1264.639+/-0.171 χ^2/NDF : 9410848.6/51

All: 1264.076+/-0.120 χ^2/NDF : 16952624.7/100

- sign 1263.530+/-0.168 χ^2/NDF : 7541754.7/53

diff_bpm0l09X_mean vs Slug



Right In: 5.781 ± 1.709 χ^2/NDF : 212.6/26

Left Out: -8.042 ± 1.918 χ^2/NDF : 26.3/24

Right Out: 8.738 ± 1.665 χ^2/NDF : 199.4/30

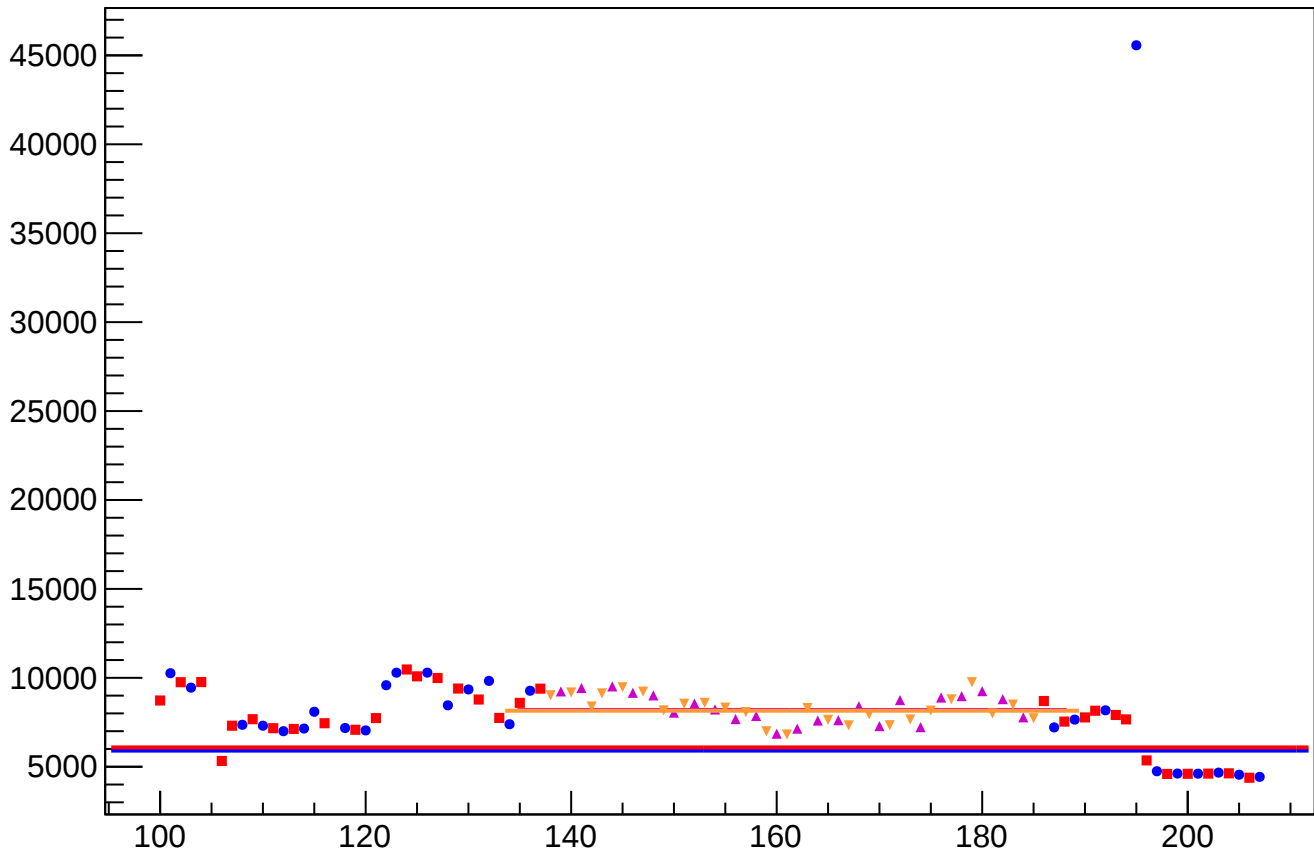
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign -0.337 ± 1.276 χ^2/NDF : 267.8/51

All: 4.595 ± 0.902 χ^2/NDF : 519.1/105

- sign 9.527 ± 1.276 χ^2/NDF : 221.4/53

diff_bpm0l09X_rms vs Slug



Right In: 5908.288+/-1.209 χ^2/NDF : 3624622.0/26

Left Out: 8151.489+/-1.356 χ^2/NDF : 321803.3/24

Right Out: 6087.231+/-1.177 χ^2/NDF : 2334679.2/30

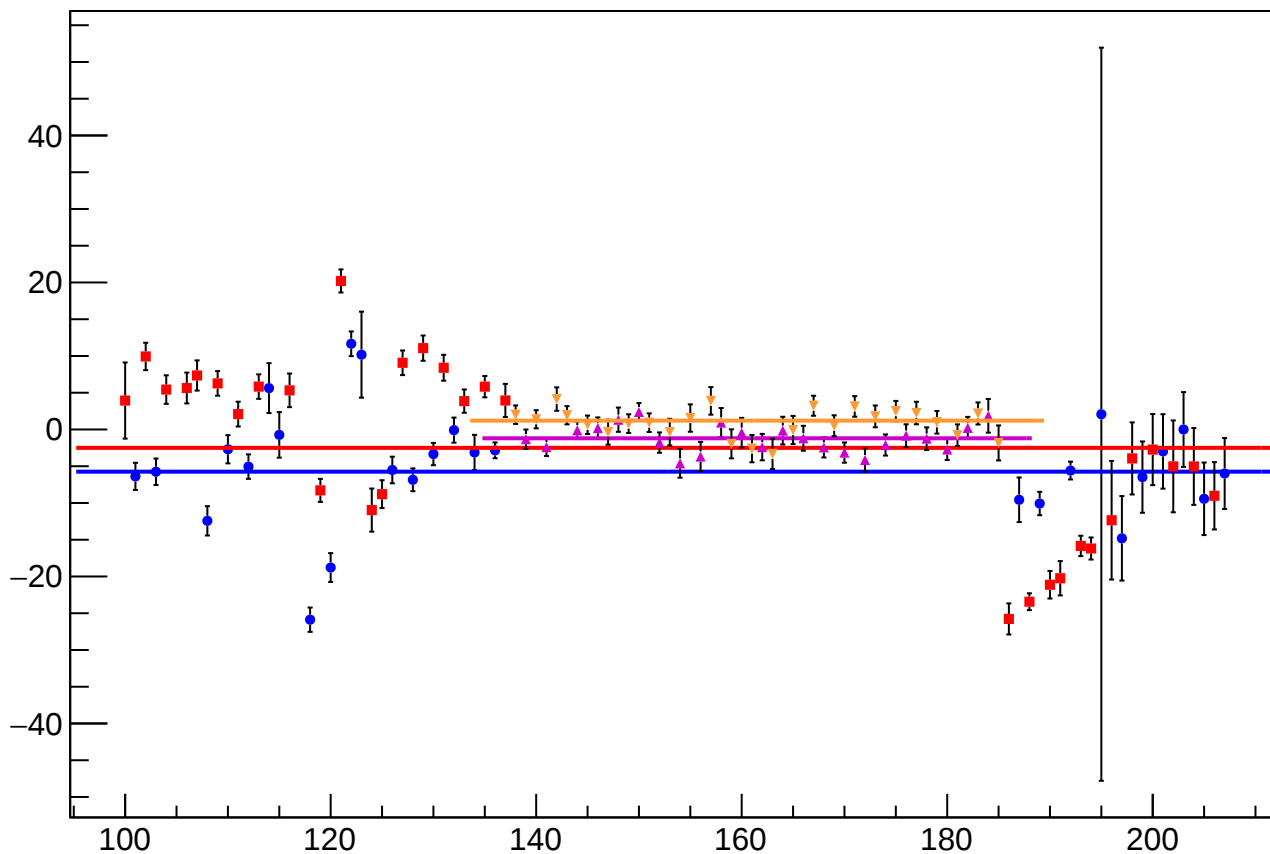
Left In: 8193.636+/-1.405 χ^2/NDF : 338377.6/22

+ sign 6901.119+/-0.902 χ^2/NDF : 5471076.1/51

All: 6928.352+/-0.638 χ^2/NDF : 9466233.5/100

- sign 6955.586+/-0.902 χ^2/NDF : 3993335.7/53

diff_bpm0l09Y_mean vs Slug



Right In: -5.739 ± 0.388 χ^2/NDF : 370.5/26

Left Out: 1.203 ± 0.302 χ^2/NDF : 29.9/24

Right Out: -2.500 ± 0.349 χ^2/NDF : 1410.6/30

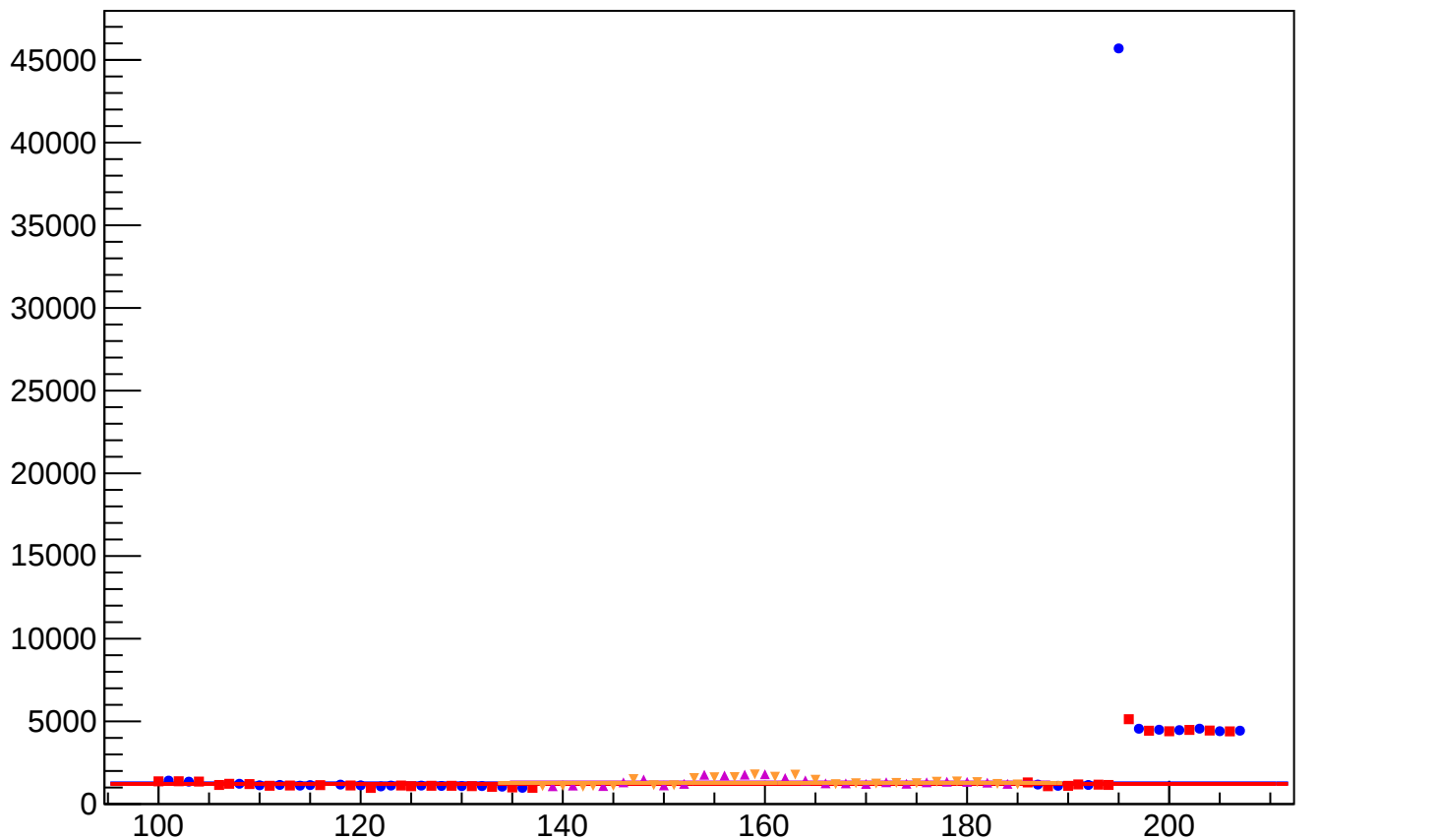
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.420 ± 0.239 χ^2/NDF : 599.5/51

All: -1.608 ± 0.167 χ^2/NDF : 2050.1/105

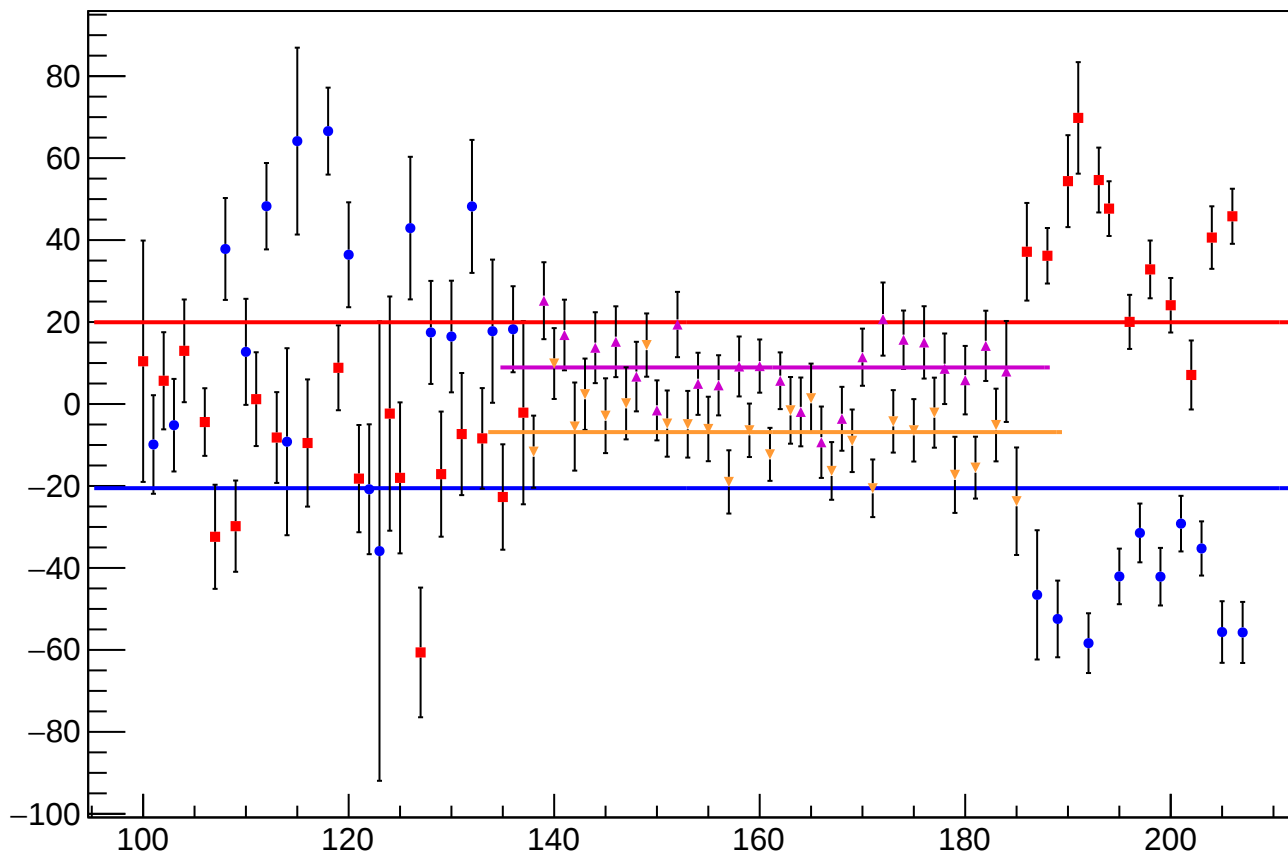
- sign -1.790 ± 0.235 χ^2/NDF : 1449.4/53

diff_bpm0l09Y_rms vs Slug



Right In: 1251.956 ± 0.274 $\chi^2/\text{NDF}: 6808293.5/26$ + sign 1268.107 ± 0.169 $\chi^2/\text{NDF}: 7691989.2/51$
 Left Out: 1277.916 ± 0.214 $\chi^2/\text{NDF}: 878127.9/24$ All: 1266.151 ± 0.118 $\chi^2/\text{NDF}: 13272412.5/1$
 Right Out: 1214.699 ± 0.246 $\chi^2/\text{NDF}: 4745596.1/30$ - sign 1264.253 ± 0.166 $\chi^2/\text{NDF}: 5580158.3/53$
 Left In: 1305.541 ± 0.225 $\chi^2/\text{NDF}: 760450.8/22$

diff_bpm0l10X_mean vs Slug



Right In: -20.535 ± 1.937 χ^2/NDF : 355.3/26

Left Out: -6.854 ± 1.616 χ^2/NDF : 28.7/24

Right Out: 19.950 ± 1.796 χ^2/NDF : 222.6/30

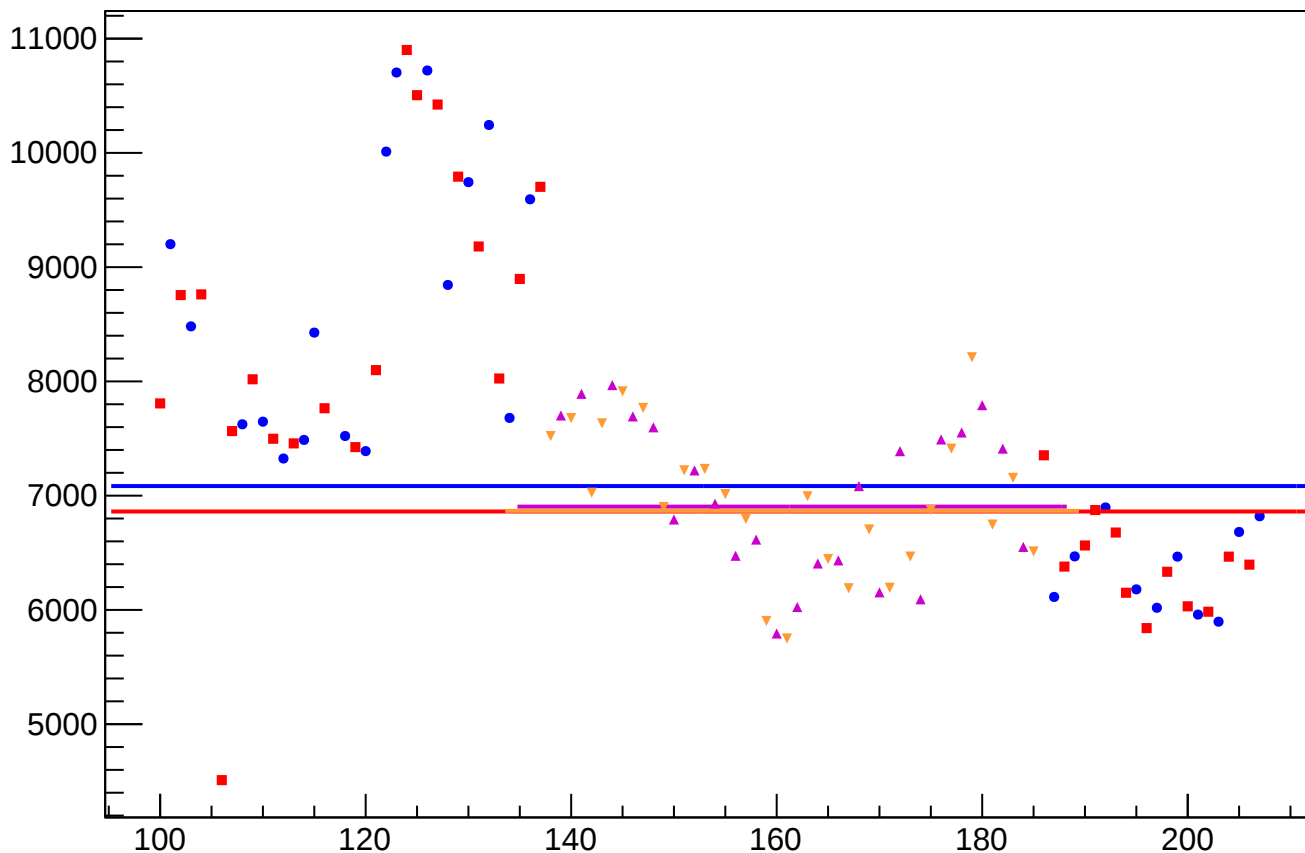
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -12.467 ± 1.241 χ^2/NDF : 413.4/51

All: 0.964 ± 0.872 χ^2/NDF : 909.3/105

- sign 14.050 ± 1.225 χ^2/NDF : 264.6/53

diff_bpm0l10X_rms vs Slug



Right In: 7084.025+/-1.370 χ^2/NDF : 825767.0/26

Left Out: 6867.371+/-1.142 χ^2/NDF : 306895.0/24

Right Out: 6861.368+/-1.270 χ^2/NDF : 939437.1/30

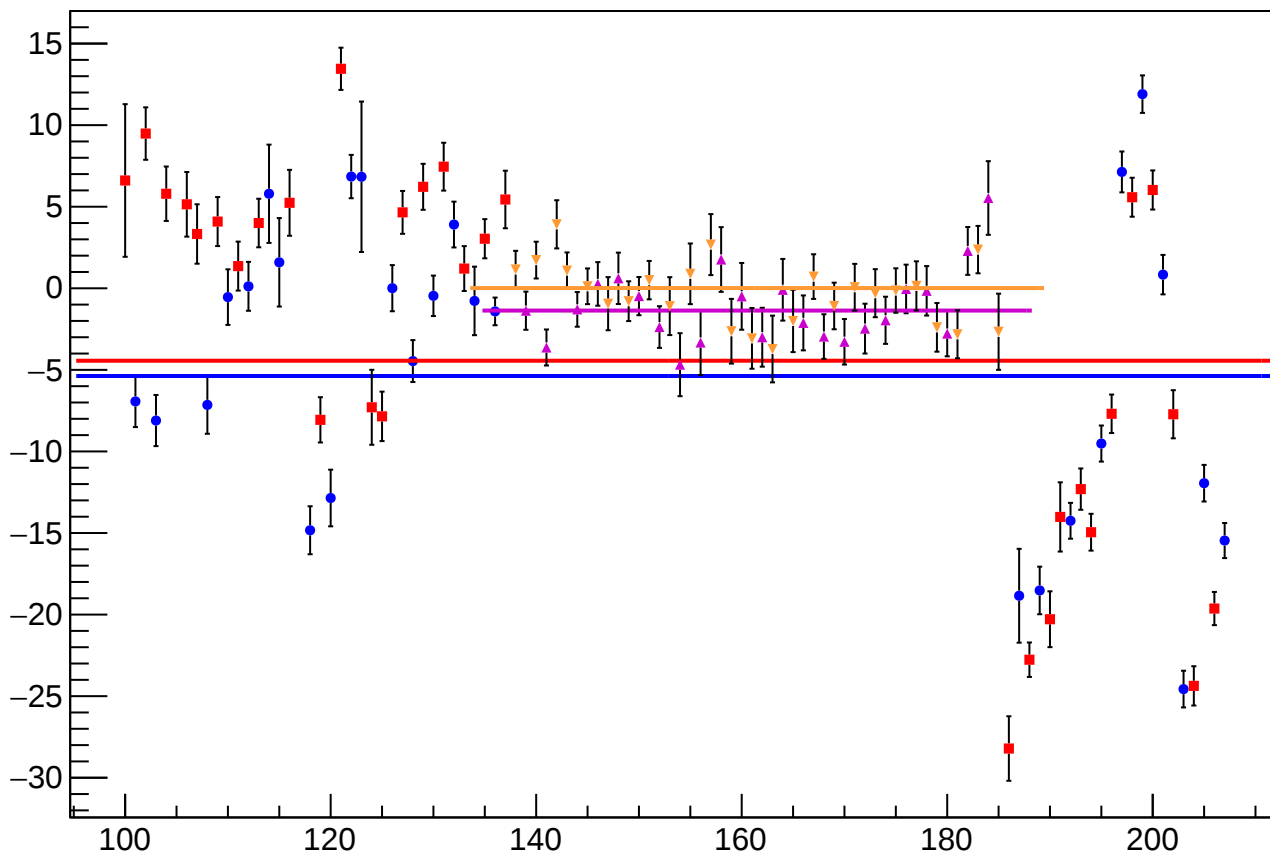
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 6956.252+/-0.877 χ^2/NDF : 1147418.2/51

All: 6919.780+/-0.616 χ^2/NDF : 2416786.8/10

- sign 6884.240+/-0.866 χ^2/NDF : 1265955.9/53

diff_bpm0l10Y_mean vs Slug



Right In: -5.377 ± 0.265 χ^2/NDF : 1247.8/26

Left Out: 0.014 ± 0.290 χ^2/NDF : 35.0/24

Right Out: -4.440 ± 0.257 χ^2/NDF : 2058.2/30

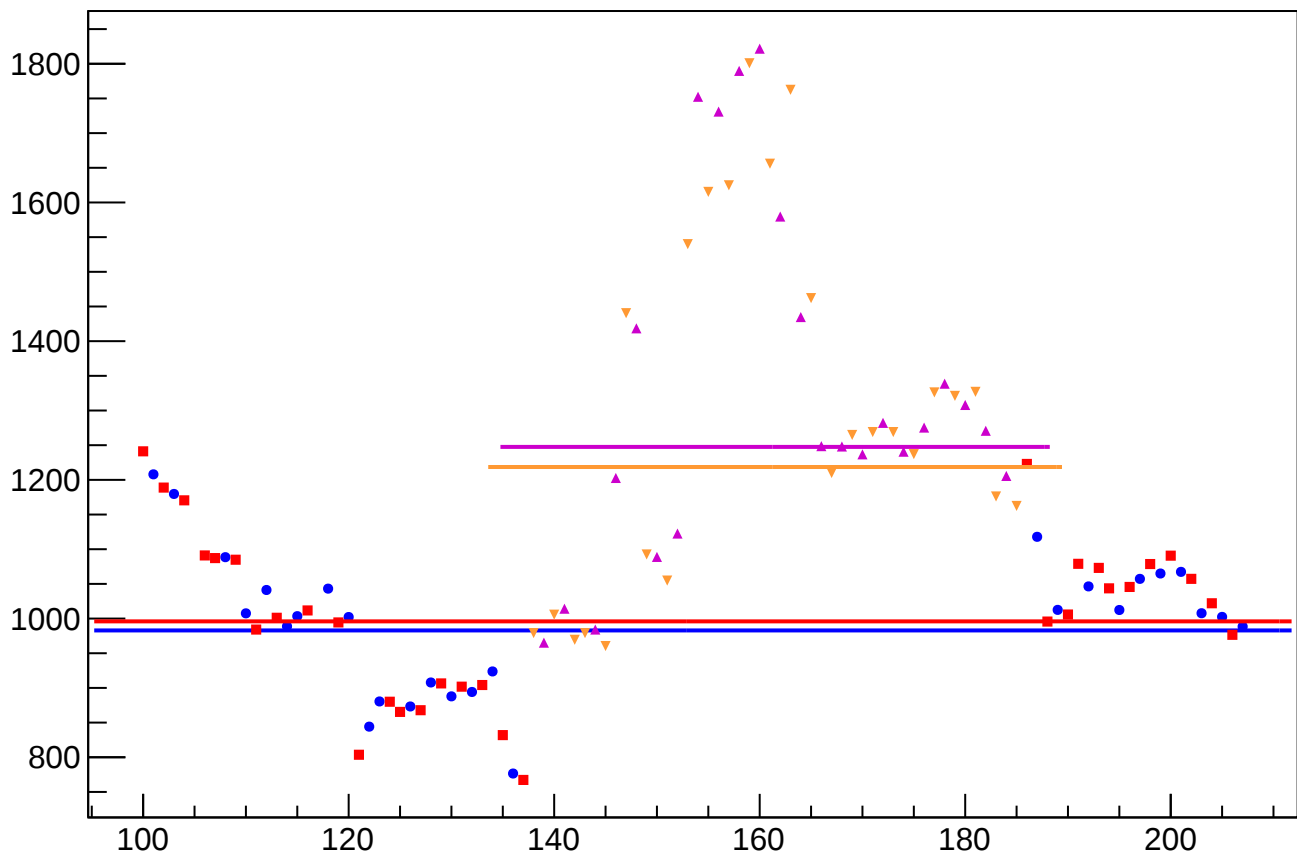
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -2.921 ± 0.196 χ^2/NDF : 1471.1/51

All: -3.043 ± 0.139 χ^2/NDF : 3627.8/105

- sign -3.165 ± 0.197 χ^2/NDF : 2156.0/53

diff_bpm0l10Y_rms vs Slug



Right In: 982.883 $\pm$ 0.187 χ^2 /NDF: 310179.4/26

Left Out: 1218.543 $\pm$ 0.205 χ^2 /NDF:1265847.5/24

Right Out: 995.956 $\pm$ 0.182 χ^2 /NDF: 323549.6/30

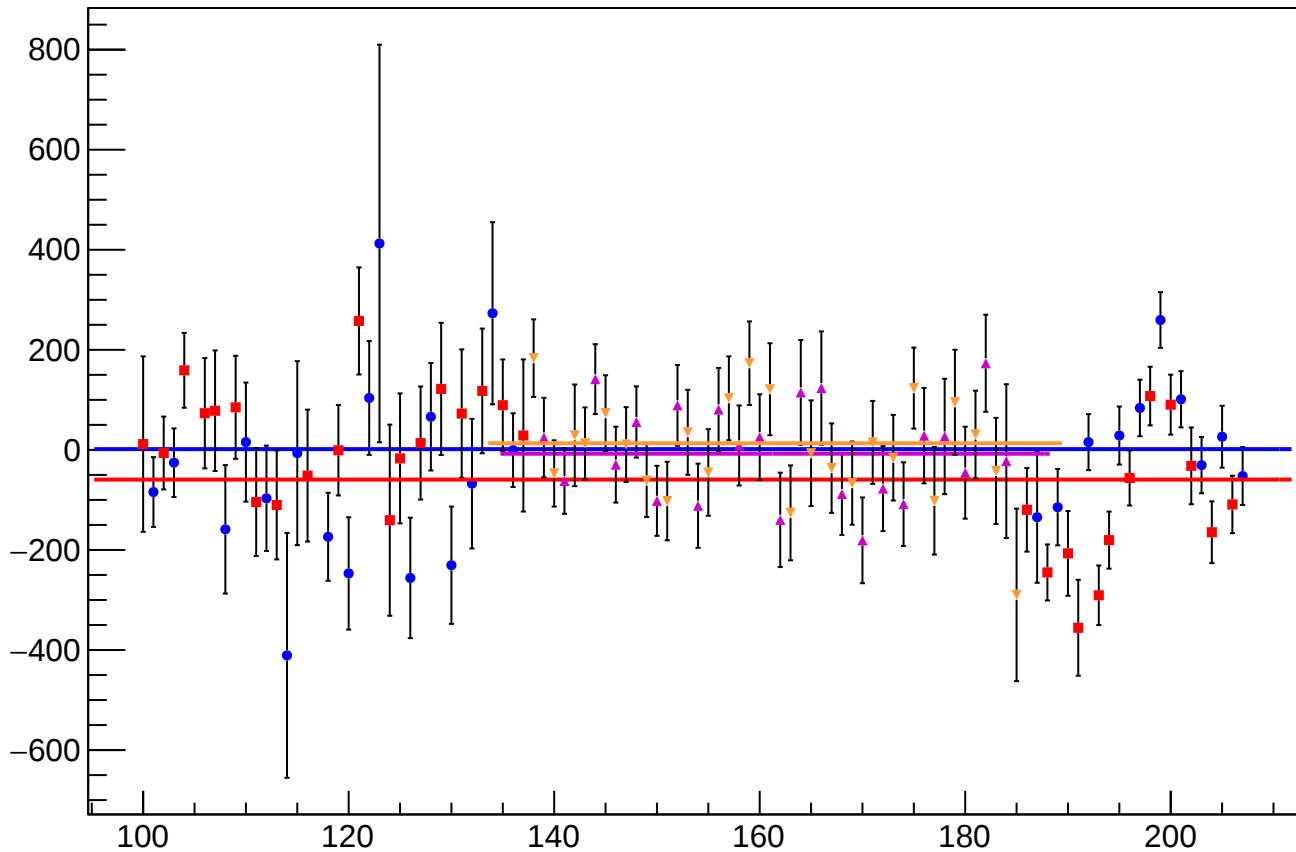
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1090.217 $\pm$ 0.138 χ^2 /NDF: 2295576.2/51

All: 1095.222 $\pm$ 0.098 χ^2 /NDF: 4489040.6/10

- sign 1100.282 $\pm$ 0.139 χ^2 /NDF: 2190832.4/53

diff_bpm0r03X_mean vs Slug



Right In: 1.548 ± 15.510 χ^2/NDF : 60.8/26

Left Out: 13.207 ± 17.146 χ^2/NDF : 26.8/24

Right Out: -59.321 ± 14.859 χ^2/NDF : 94.0/30

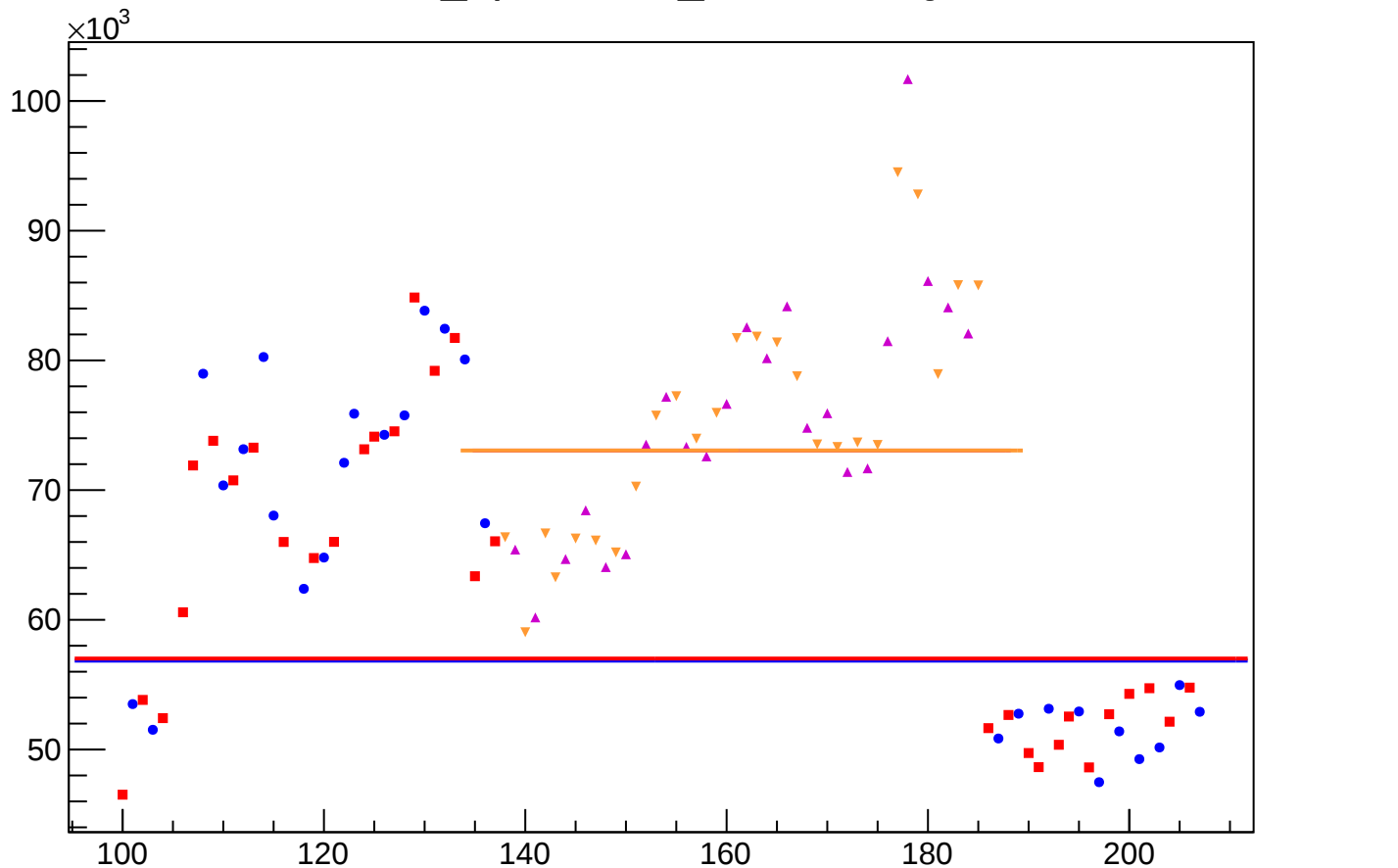
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign 6.794 ± 11.502 χ^2/NDF : 87.9/51

All: -15.809 ± 8.087 χ^2/NDF : 222.6/105

- sign -37.907 ± 11.373 χ^2/NDF : 127.1/53

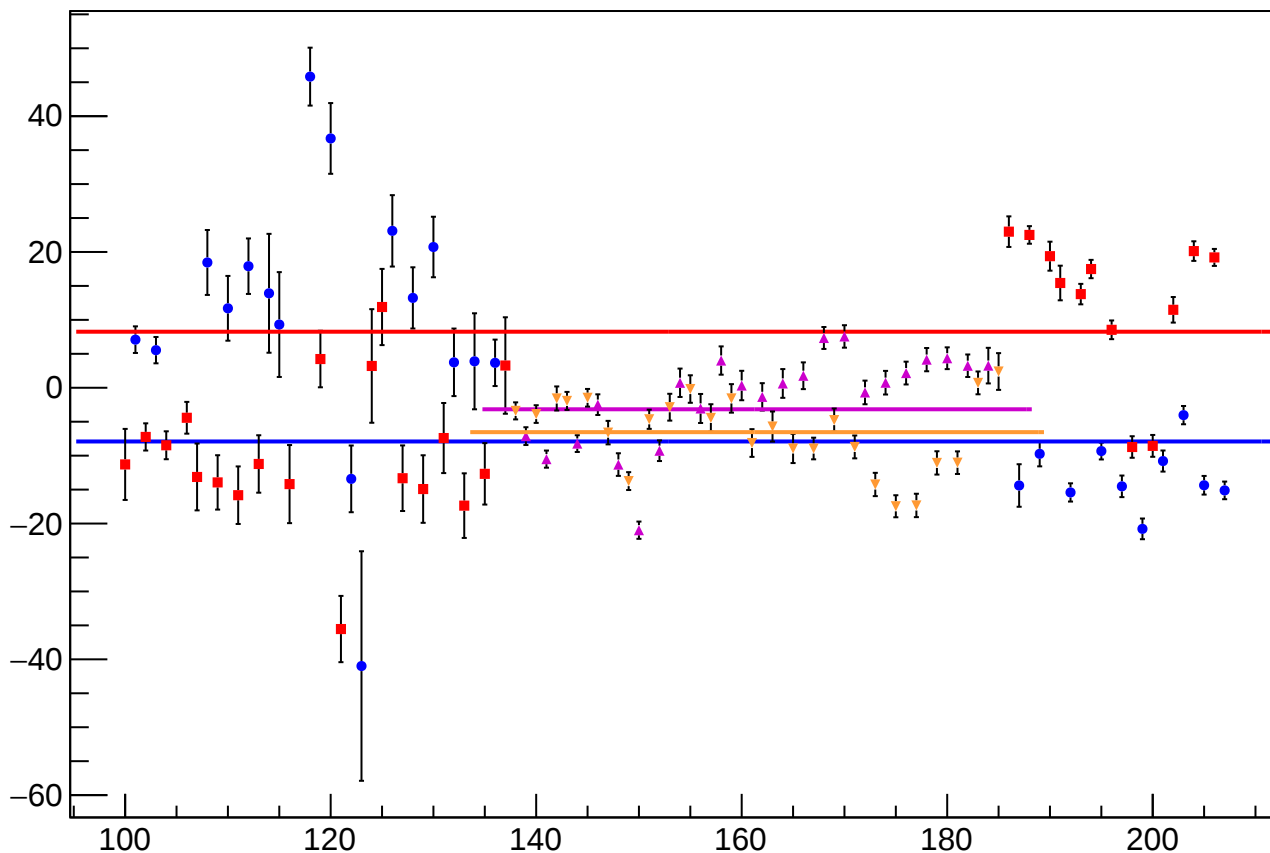
diff_bpm0r03X_rms vs Slug



Right In: 56852.487 ± 10.967 $\chi^2/\text{NDF}: 773977.0/26$
 Left Out: 73054.401 ± 12.124 $\chi^2/\text{NDF}: 473050.9/24$
 Right Out: 57012.488 ± 10.507 $\chi^2/\text{NDF}: 726742.7/30$
 Left In: 73045.500 ± 12.496 $\chi^2/\text{NDF}: 463525.5/22$

+ sign 64143.620 ± 8.133 $\chi^2/\text{NDF}: 2229179.9/51$
 All: 63895.579 ± 5.719 $\chi^2/\text{NDF}: 4385717.9/1$
 - sign 63653.083 ± 8.042 $\chi^2/\text{NDF}: 2154698.6/53$

diff_bpm0r03Y_mean vs Slug



Right In: -7.912 ± 0.421 $\chi^2/\text{NDF}: 750.9/26$

Left Out: -6.537 ± 0.332 $\chi^2/\text{NDF}: 252.7/24$

Right Out: 8.255 ± 0.402 $\chi^2/\text{NDF}: 1101.9/30$

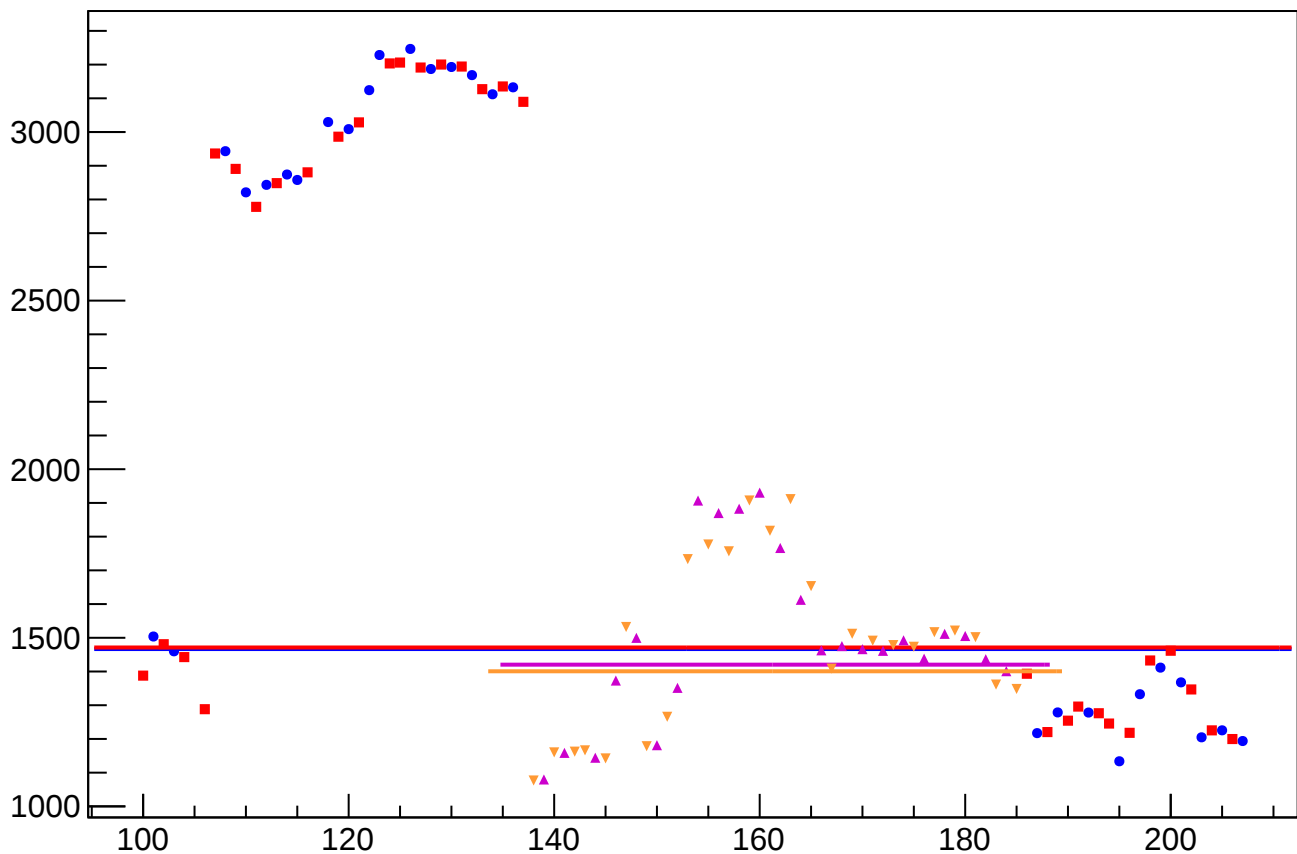
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -7.063 ± 0.261 $\chi^2/\text{NDF}: 1010.2/51$

All: -2.709 ± 0.185 $\chi^2/\text{NDF}: 3625.3/105$

- sign 1.703 ± 0.262 $\chi^2/\text{NDF}: 2053.2/53$

diff_bpm0r03Y_rms vs Slug



Right In: 1466.617 $\pm$ 0.298 χ^2 /NDF: 3494640.3/26

Left Out: 1400.637 $\pm$ 0.235 χ^2 /NDF:1037921.6/24

Right Out: 1471.225 $\pm$ 0.284 χ^2 /NDF: 3470955.1/30

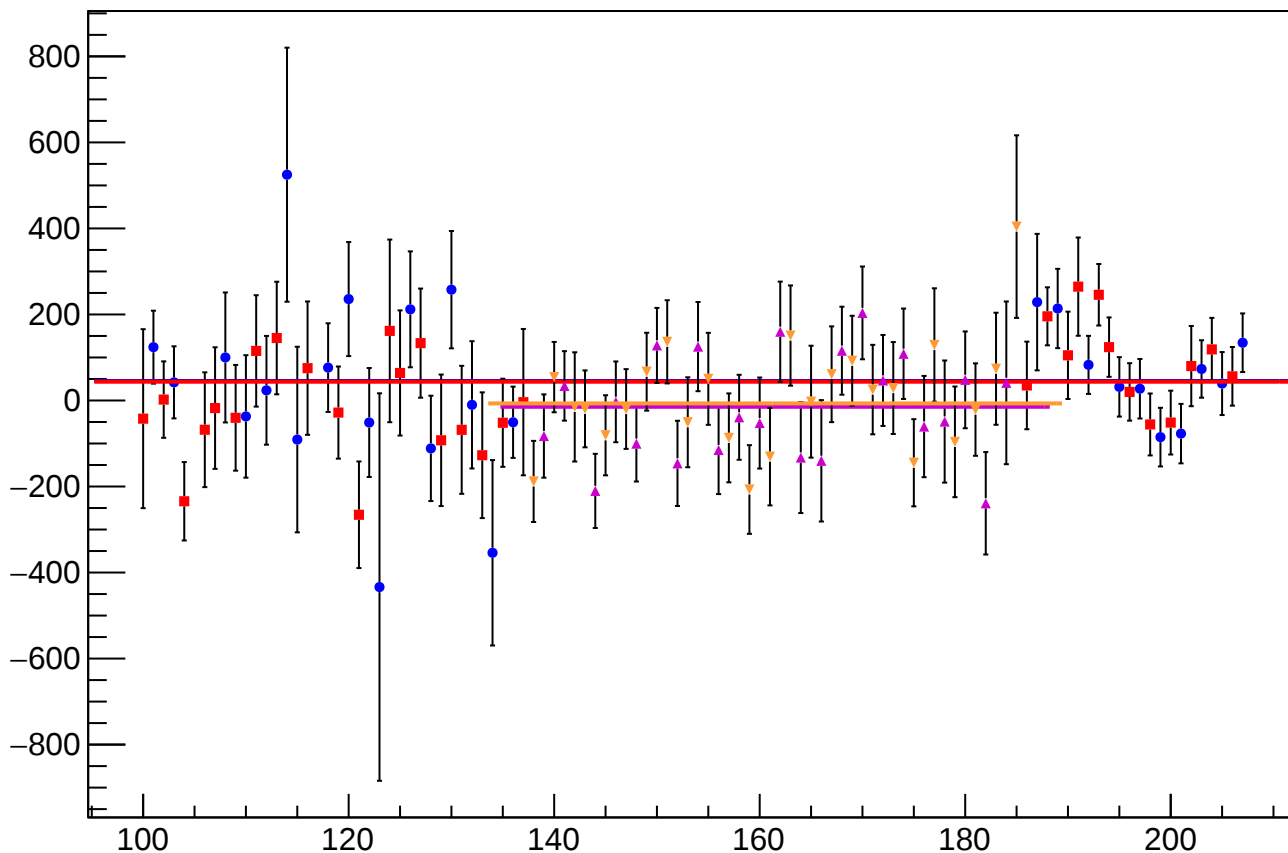
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF:905186.2/22

+ sign 1425.911 $\pm$ 0.184 χ^2 /NDF: 4562853.7/51

All: 1433.909 $\pm$ 0.131 χ^2 /NDF: 8961229.2/10

- sign 1442.013 $\pm$ 0.186 χ^2 /NDF: 4394583.6/53

diff_bpm0r05X_mean vs Slug



Right In: 45.244 $\pm$ 18.497 χ^2 /NDF: 32.5/26

Left Out: -6.789 $\pm$ 21.213 χ^2 /NDF: 24.7/24

Right Out: 43.670 $\pm$ 17.785 χ^2 /NDF: 46.6/30

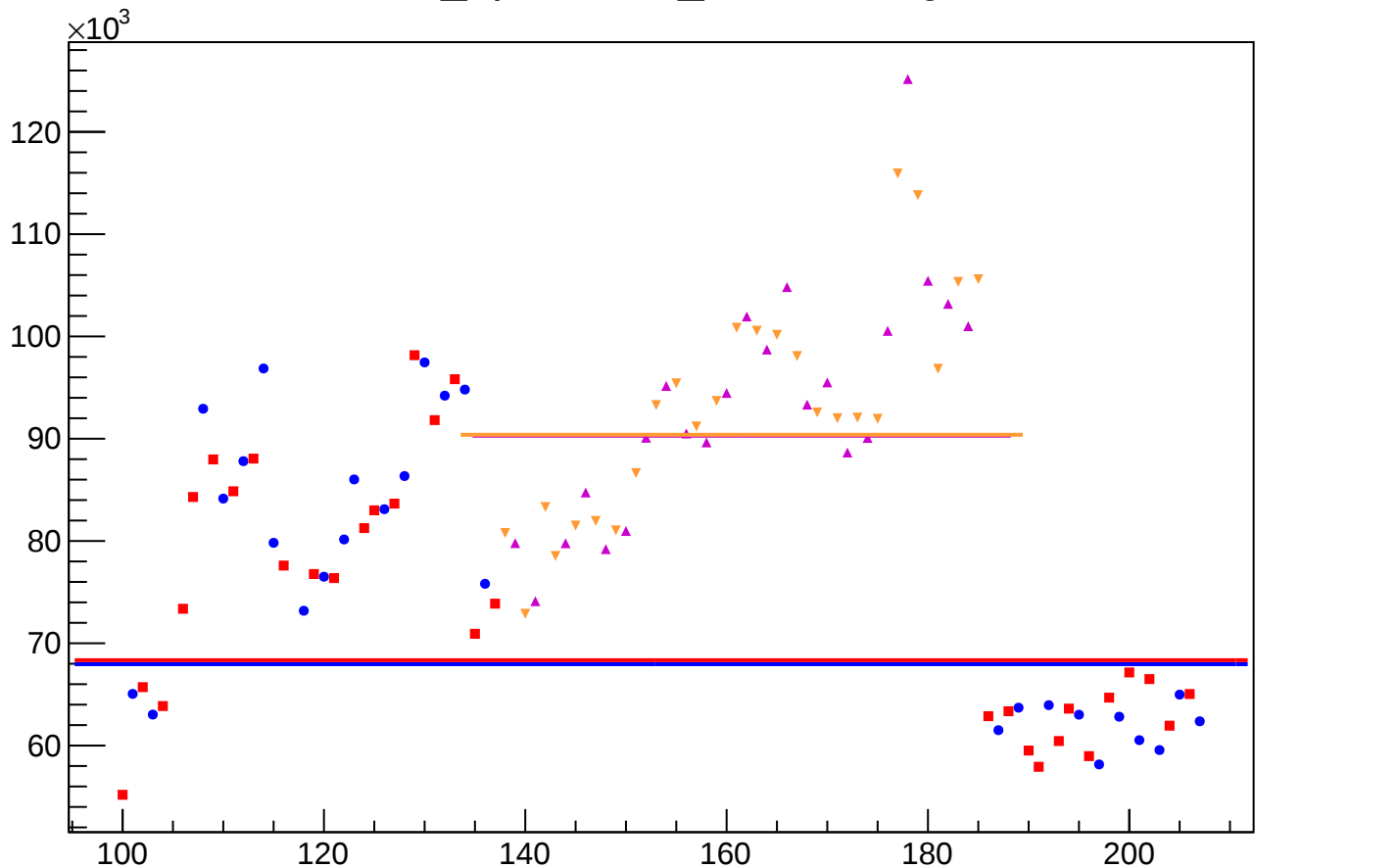
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF: 29.8/22

+ sign 22.769 $\pm$ 13.942 χ^2 /NDF: 60.6/51

All: 21.592 $\pm$ 9.805 χ^2 /NDF: 141.4/105

- sign 20.439 $\pm$ 13.792 χ^2 /NDF: 80.7/53

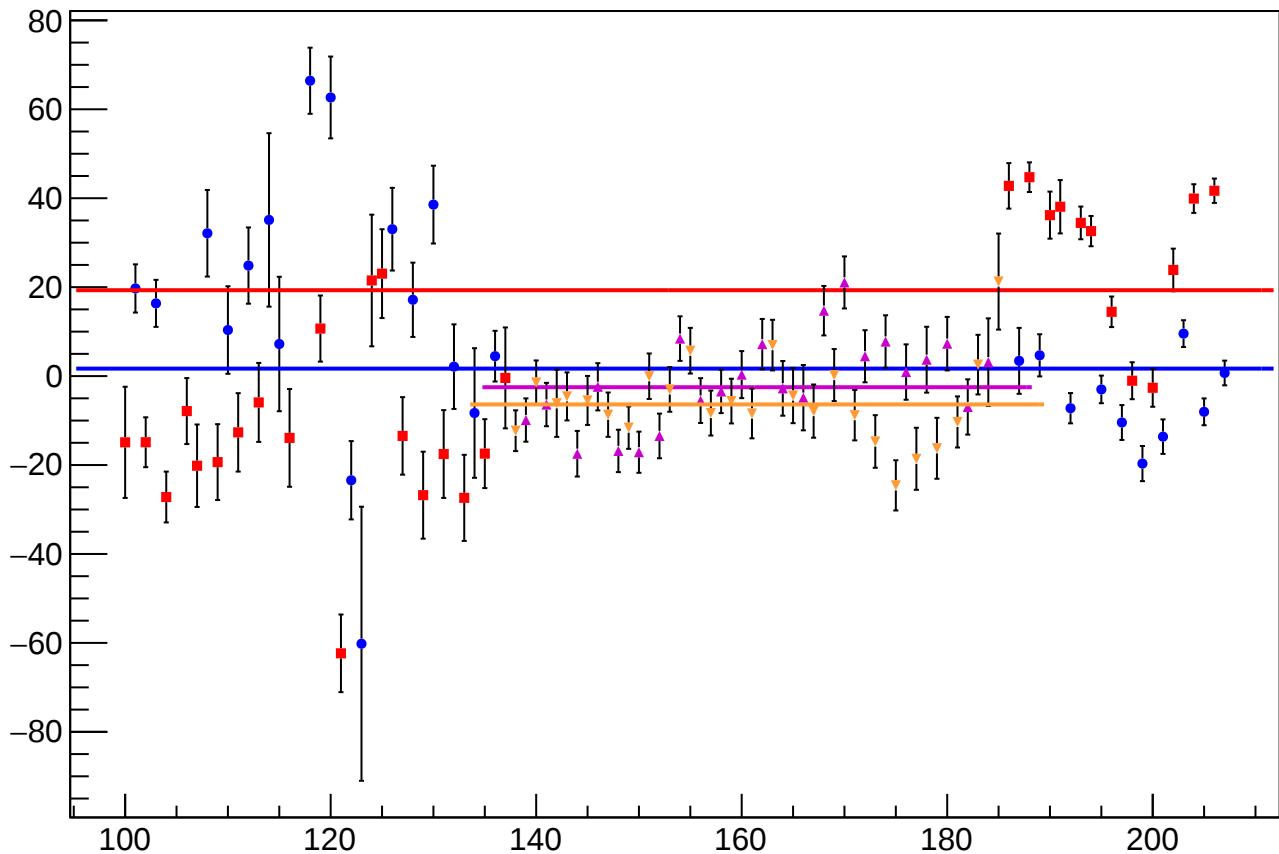
diff_bpm0r05X_rms vs Slug



Right In: 67955.535 ± 13.080 $\chi^2/\text{NDF}: 623240.0/26$
 Left Out: 90384.853 ± 15.000 $\chi^2/\text{NDF}: 461648.2/24$
 Right Out: 68348.197 ± 12.576 $\chi^2/\text{NDF}: 604751.8/30$
 Left In: 90293.591 ± 15.448 $\chi^2/\text{NDF}: 461337.5/22$

+ sign 77643.446 ± 9.858 $\chi^2/\text{NDF}: 2355035.2/51$
 All: 77366.547 ± 6.933 $\chi^2/\text{NDF}: 4636449.9/1$
 - sign 77095.541 ± 9.753 $\chi^2/\text{NDF}: 2279853.6/53$

diff_bpm0r05Y_mean vs Slug



Right In: 1.683 ± 0.981 χ^2/NDF : 286.1/26

Left Out: -6.370 ± 1.124 χ^2/NDF : 45.5/24

Right Out: 19.313 ± 0.960 χ^2/NDF : 673.8/30

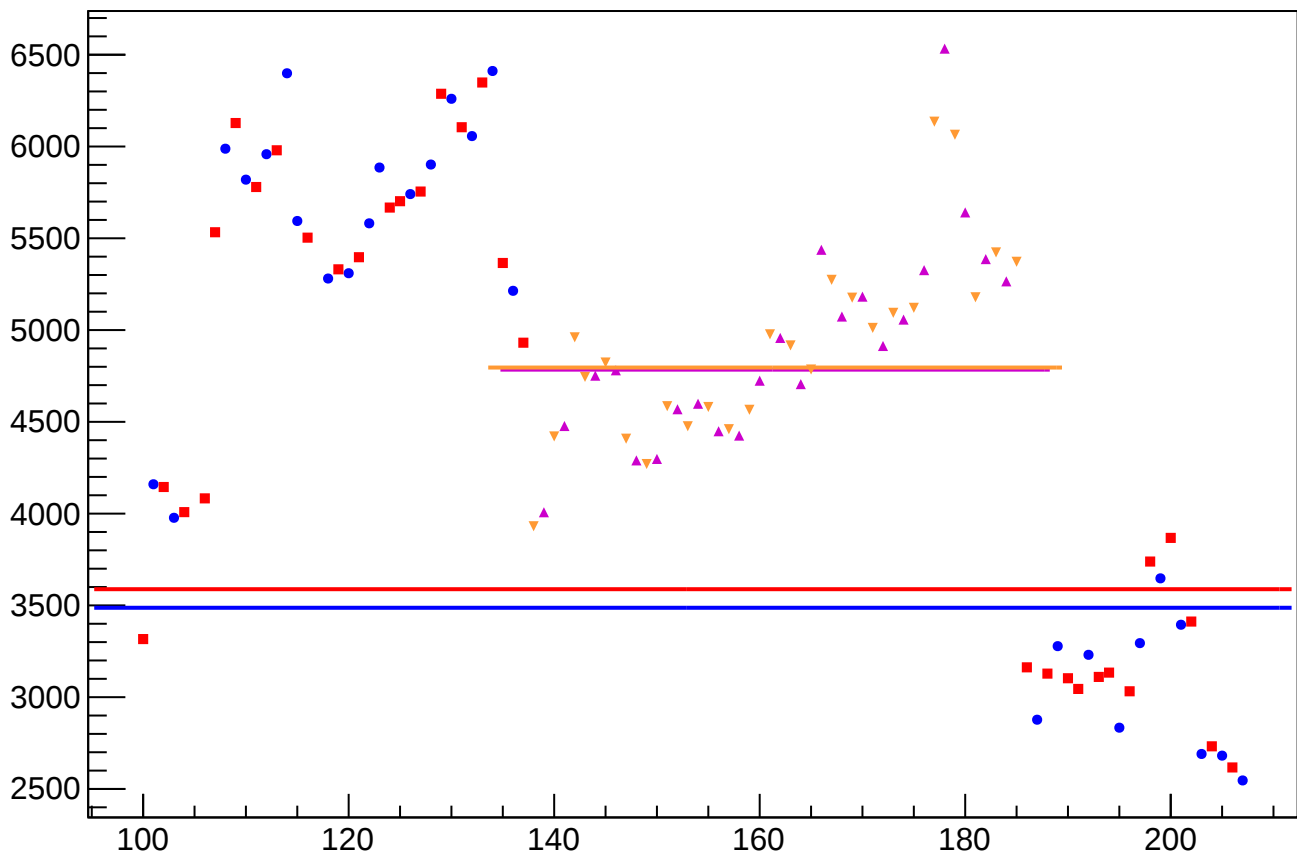
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -1.800 ± 0.739 χ^2/NDF : 360.7/51

All: 4.305 ± 0.522 χ^2/NDF : 1459.9/105

- sign 10.403 ± 0.739 χ^2/NDF : 962.9/53

diff_bpm0r05Y_rms vs Slug



Right In: 3487.107+/-0.694 χ^2/NDF : 2396197.7/26

Left Out: 4795.847+/-0.795 χ^2/NDF : 361249.7/24

Right Out: 3588.293+/-0.679 χ^2/NDF : 2275055.6/30

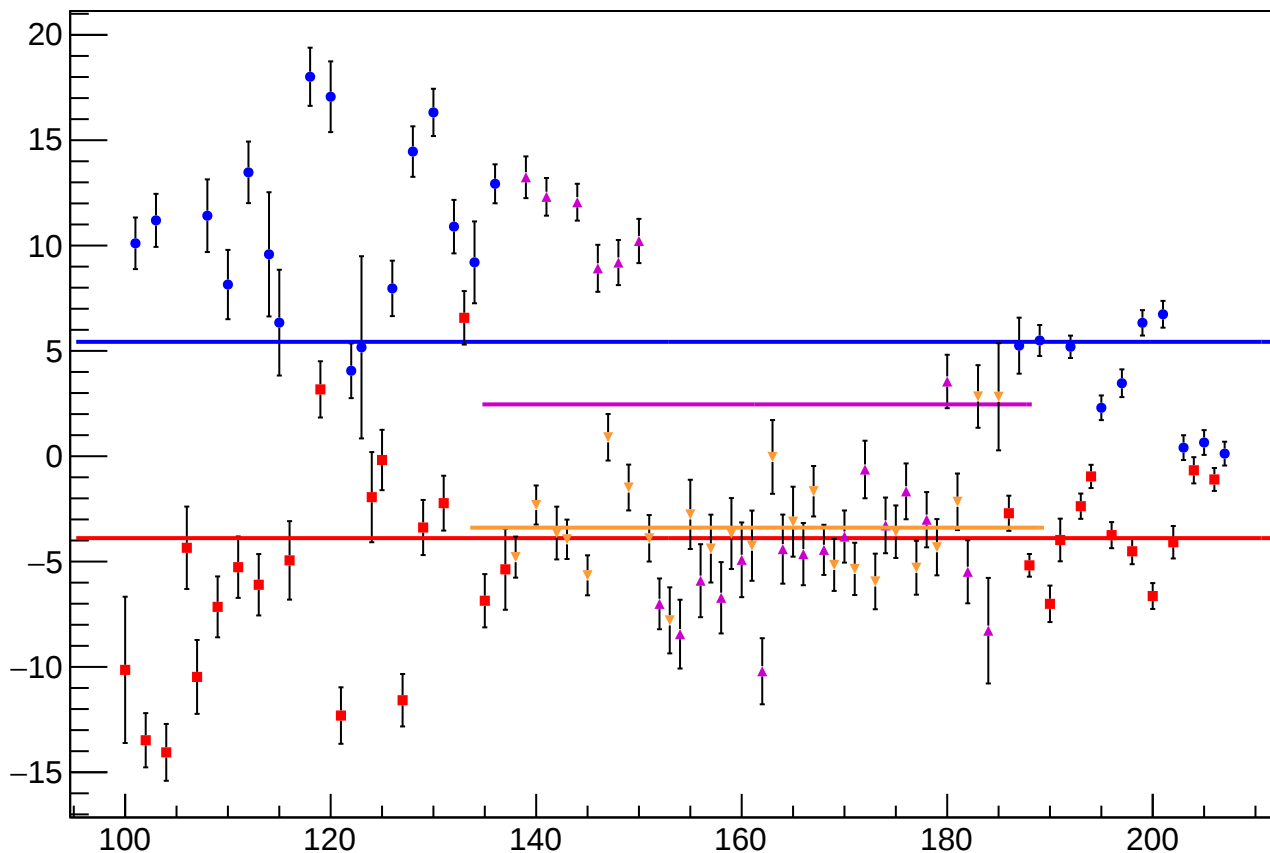
Left In: 4784.434+/-0.817 χ^2/NDF : 357507.2/22

+ sign 4053.119+/-0.523 χ^2/NDF : 4296601.4/51

All: 4064.987+/-0.369 χ^2/NDF : 8197089.4/10

- sign 4076.844+/-0.522 χ^2/NDF : 3899457.1/53

diff_bpm2i01X_mean vs Slug



Right In: 5.430 $\pm$ 0.172 χ^2 /NDF: 728.6/26

Left Out: -3.390 $\pm$ 0.252 χ^2 /NDF: 77.7/24

Right Out: -3.887 $\pm$ 0.163 χ^2 /NDF: 457.0/30

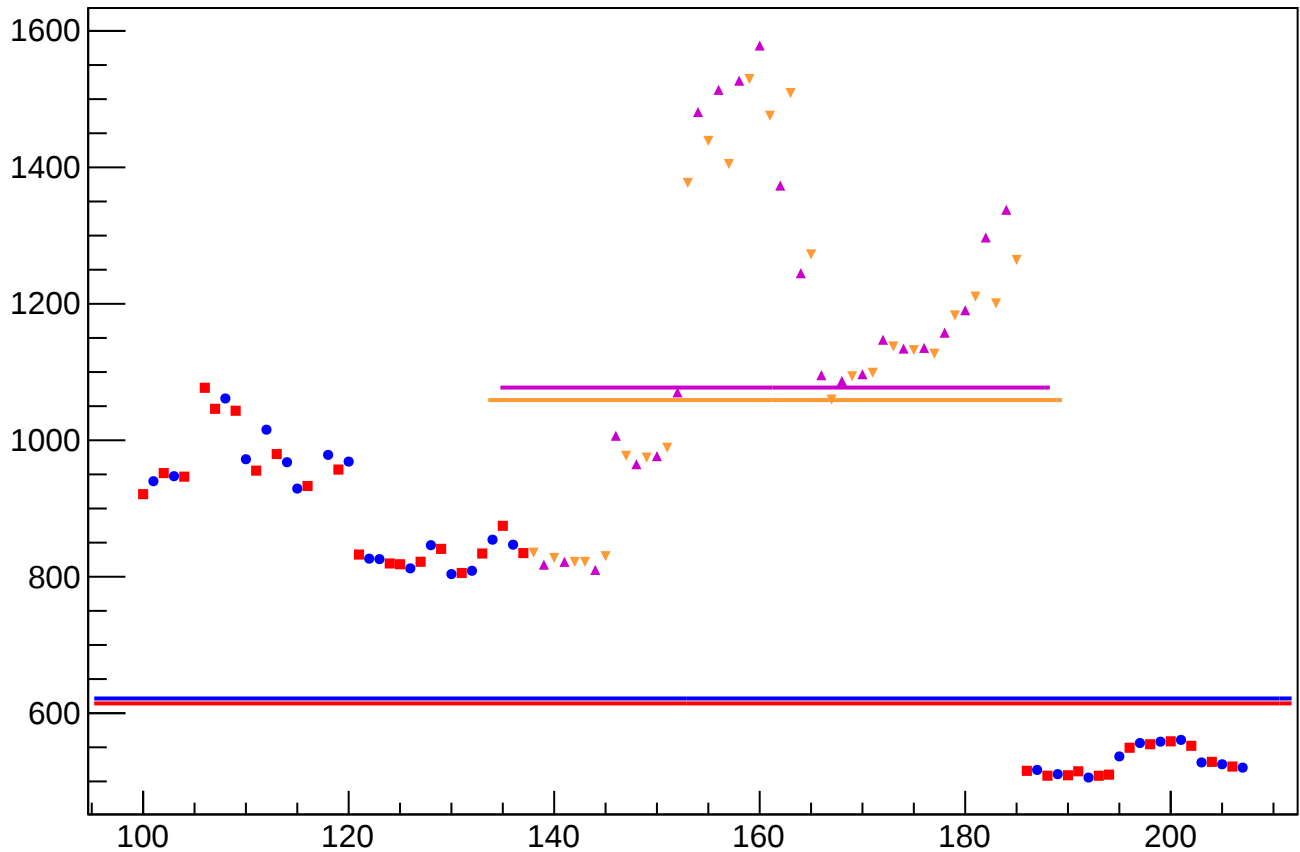
Left In: 2.461 $\pm$ 0.264 χ^2 /NDF: 928.0/22

+ sign 2.625 $\pm$ 0.142 χ^2 /NDF: 1640.1/51

All: 0.188 $\pm$ 0.099 χ^2 /NDF: 4016.1/105

- sign -2.135 $\pm$ 0.139 χ^2 /NDF: 1802.5/53

diff_bpm2i01X_rms vs Slug



Right In: 621.572+/-0.122 χ^2/NDF : 1746510.9/26

Left Out: 1058.941+/-0.178 χ^2/NDF :1403222.2/24

Right Out: 614.369+/-0.115 χ^2/NDF : 2007053.6/30

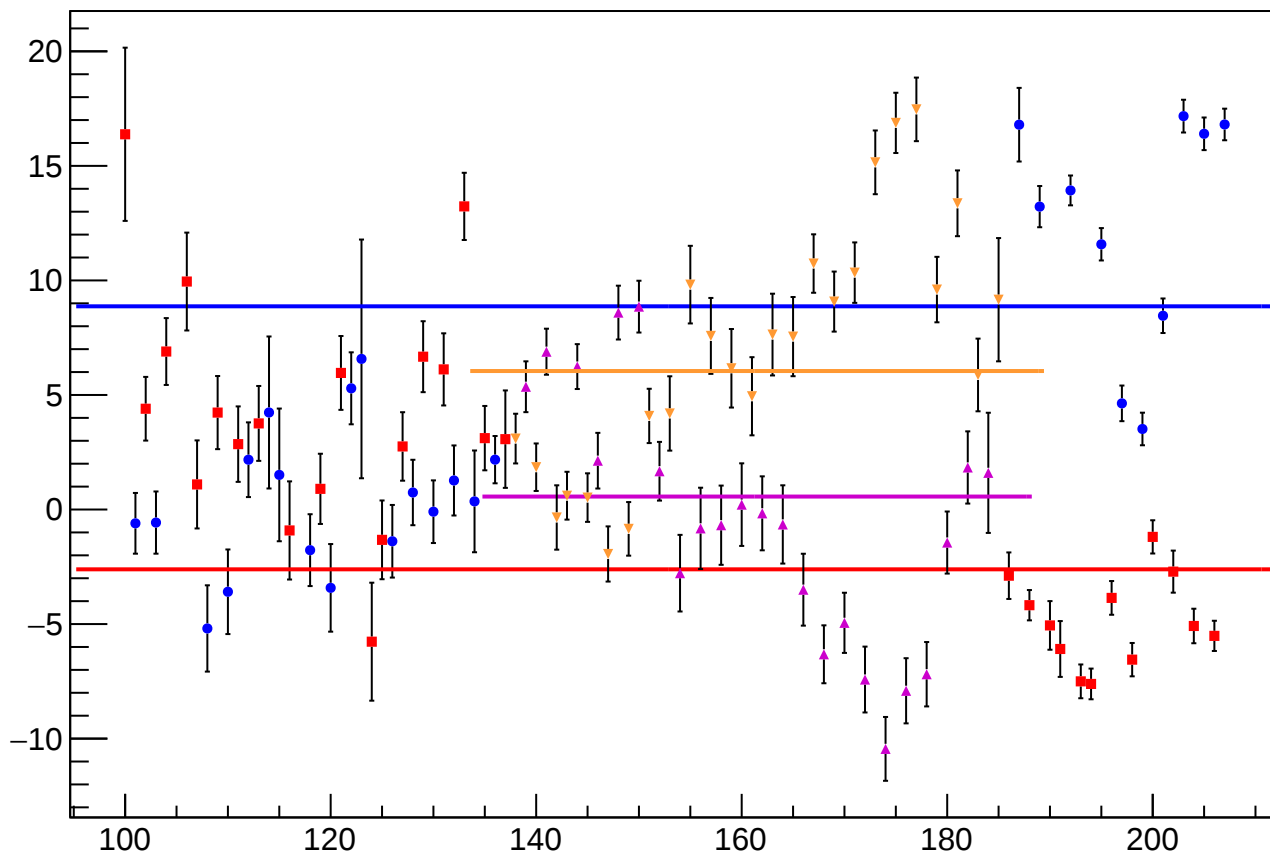
Left In: 1077.284+/-0.187 χ^2/NDF :1280349.9/22

+ sign 760.644+/-0.101 χ^2/NDF : 7250358.5/51

All: 751.161+/-0.070 χ^2/NDF : 14995088.6/10

- sign 742.121+/-0.098 χ^2/NDF : 7727366.5/53

diff_bpm2i01Y_mean vs Slug



Right In: 8.870 ± 0.205 χ^2/NDF : 1106.1/26

Left Out: 6.045 ± 0.272 χ^2/NDF : 430.8/24

Right Out: -2.611 ± 0.195 χ^2/NDF : 617.3/30

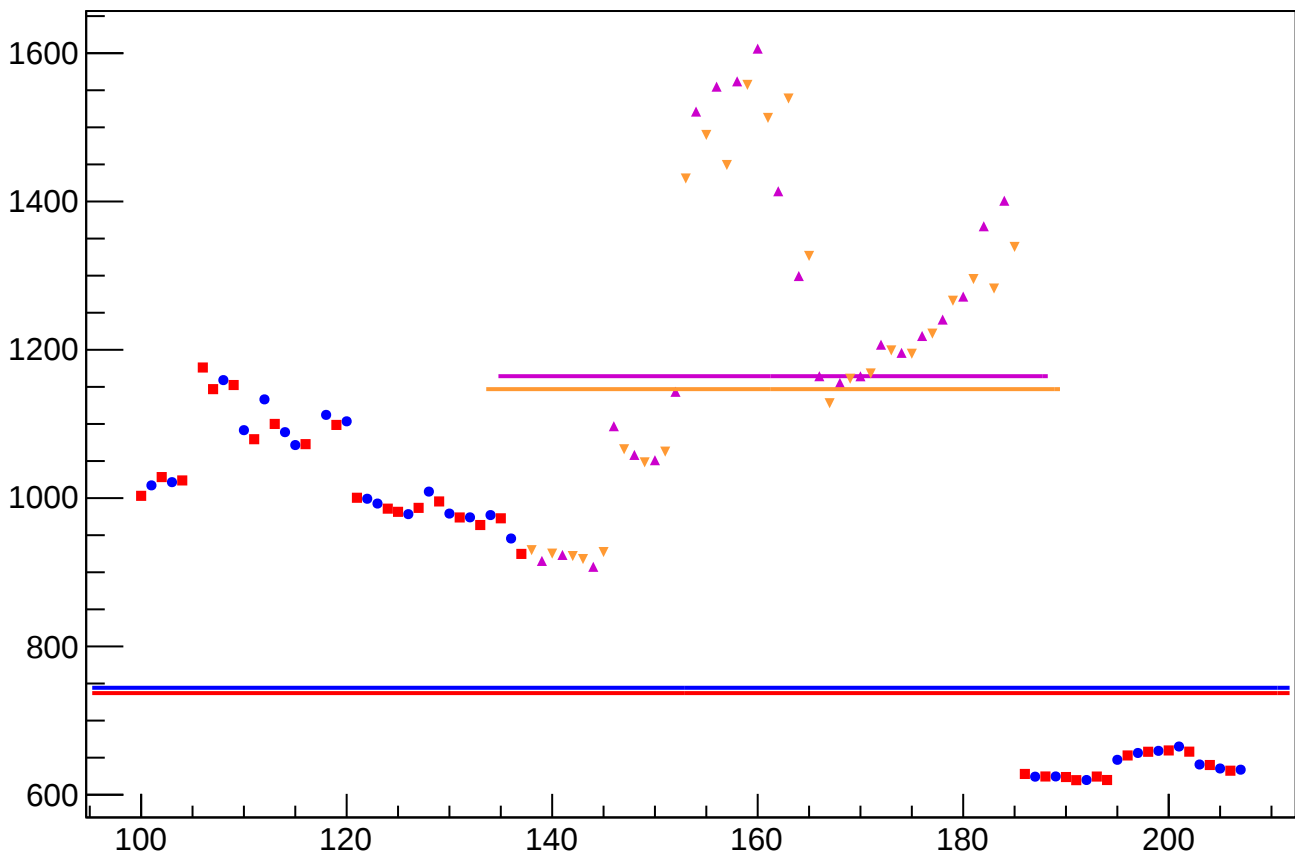
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

+ sign 7.845 ± 0.164 χ^2/NDF : 1605.8/51

All: 3.033 ± 0.115 χ^2/NDF : 4422.1/105

- sign -1.597 ± 0.161 χ^2/NDF : 1119.4/53

diff_bpm2i01Y_rms vs Slug



Right In: 744.250+/-0.145 χ^2/NDF : 1422927.6/26

Left Out: 1146.960+/-0.192 χ^2/NDF : 1045761.4/24

Right Out: 737.061+/-0.138 χ^2/NDF : 1621336.2/30

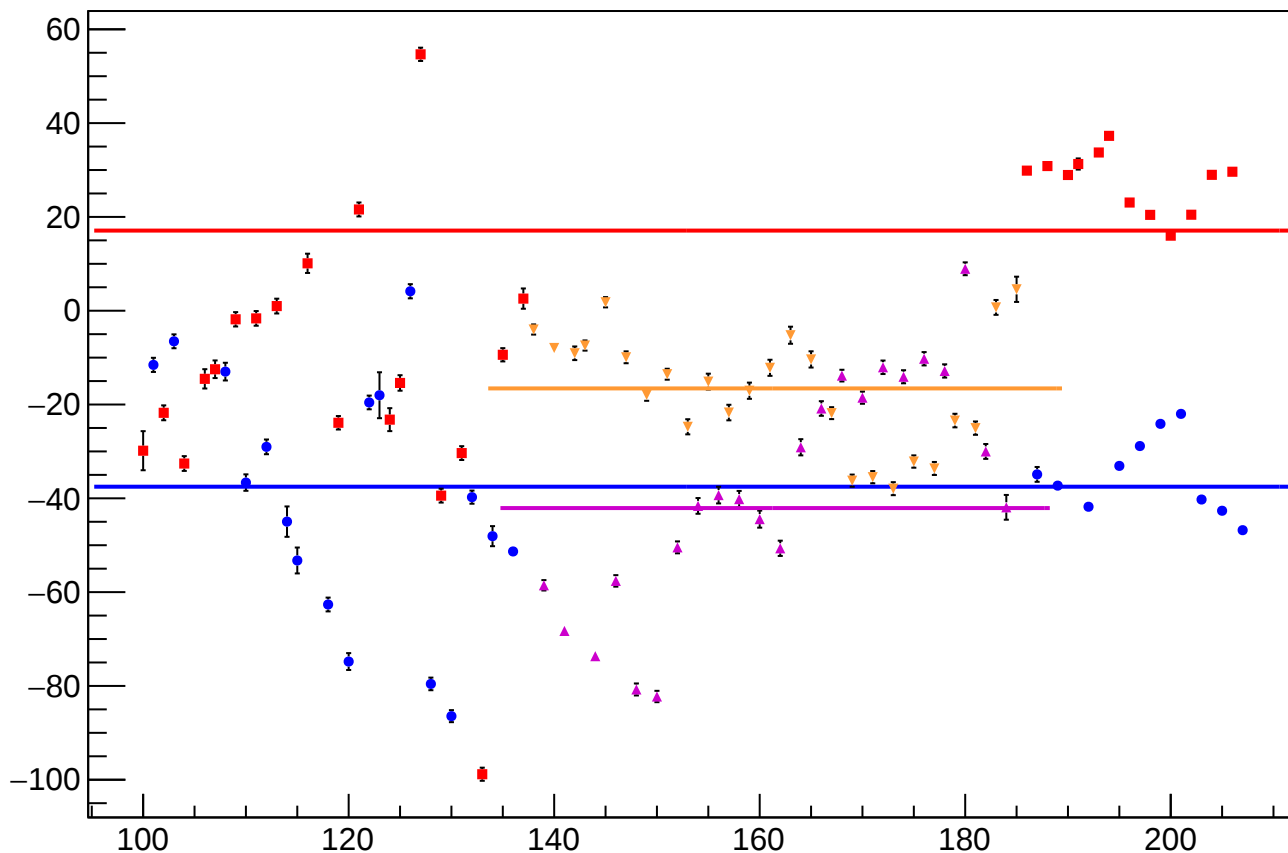
Left In: 1164.432+/-0.201 χ^2/NDF : 944112.0/22

+ sign 890.357+/-0.116 χ^2/NDF : 5268925.9/51

All: 881.741+/-0.081 χ^2/NDF : 10926226.0/10

- sign 873.452+/-0.113 χ^2/NDF : 5646421.6/53

diff_bpm2i02X_mean vs Slug



Right In: -37.521 ± 0.201 χ^2/NDF : 6493.0/26

Left Out: -16.567 ± 0.275 χ^2/NDF : 1931.2/24

Right Out: 17.086 ± 0.191 χ^2/NDF : 17671.1/30

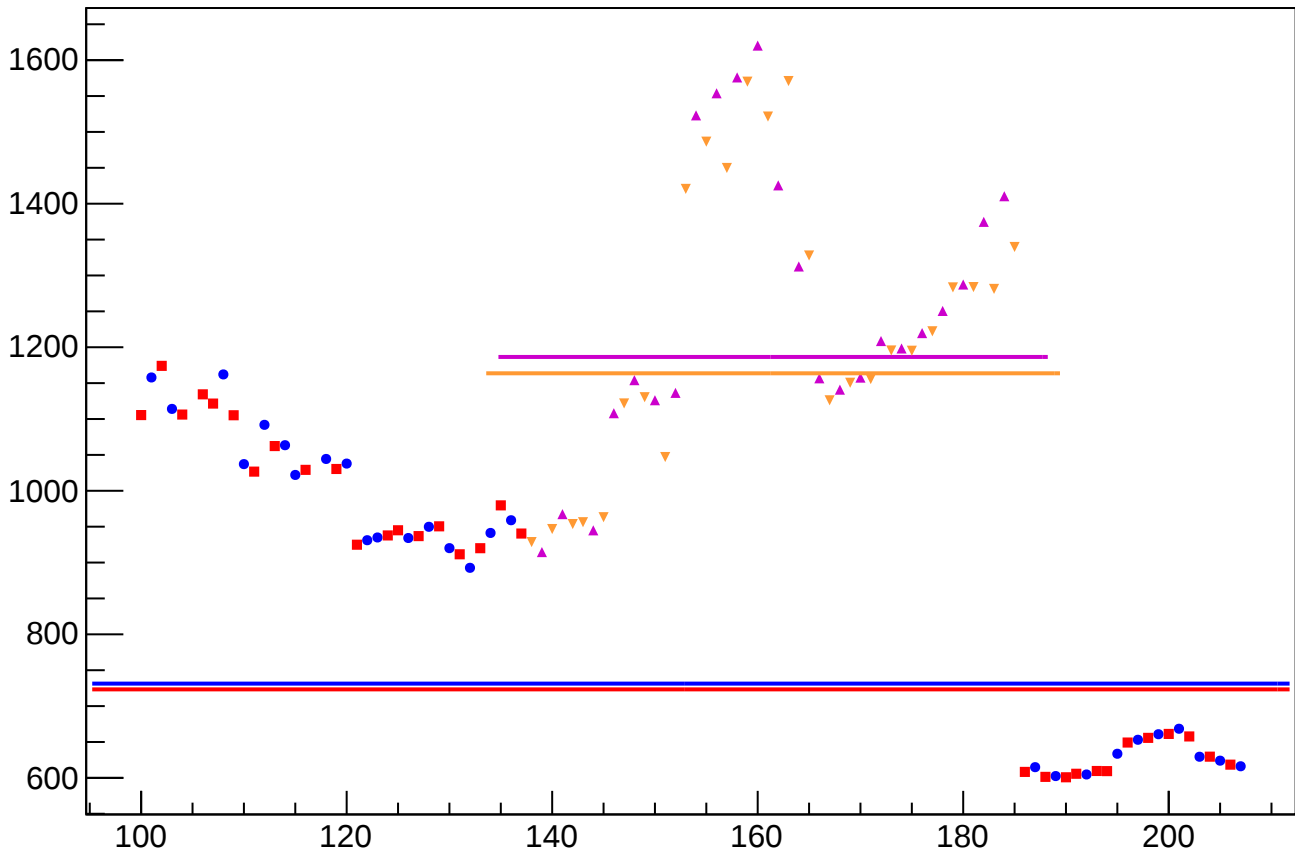
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -30.211 ± 0.163 χ^2/NDF : 12197.4/51

All: -15.246 ± 0.114 χ^2/NDF : 83971.2/105

- sign -0.879 ± 0.159 χ^2/NDF : 55167.9/53

diff_bpm2i02X_rms vs Slug



Right In: 731.339+/-0.142 χ^2/NDF : 1444932.2/26

Left Out: 1163.691+/-0.195 χ^2/NDF : 936079.1/24

Right Out: 723.306+/-0.135 χ^2/NDF : 1637779.1/30

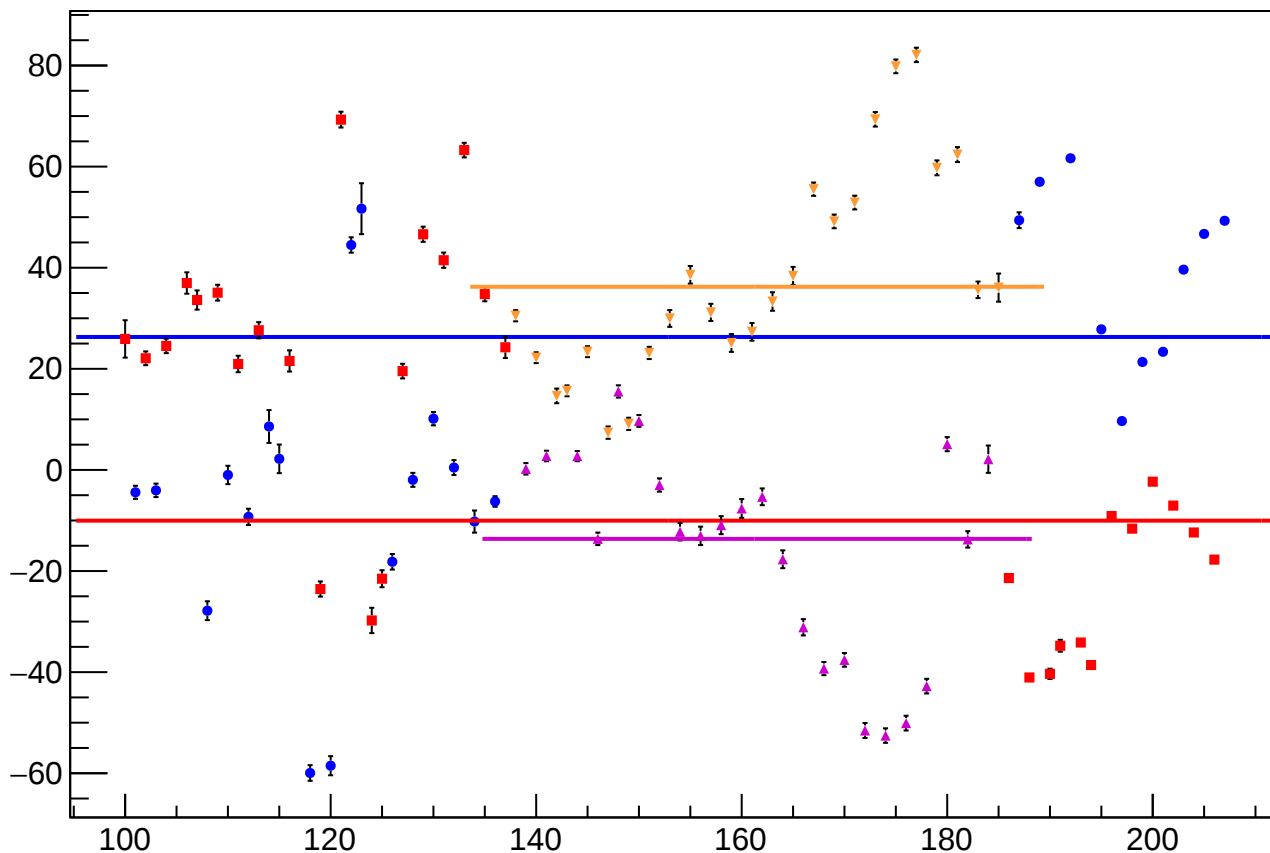
Left In: 1186.476+/-0.204 χ^2/NDF : 833420.3/22

+ sign 882.172+/-0.115 χ^2/NDF : 5593839.7/51

All: 872.875+/-0.080 χ^2/NDF : 11652752.1/10

- sign 863.949+/-0.113 χ^2/NDF : 6046094.2/53

diff_bpm2i02Y_mean vs Slug



Right In: 26.301 ± 0.199 $\chi^2/\text{NDF}: 18604.2/26$

Left Out: 36.234 ± 0.280 $\chi^2/\text{NDF}: 5794.2/24$

Right Out: -10.035 ± 0.189 $\chi^2/\text{NDF}: 21040.9/30$

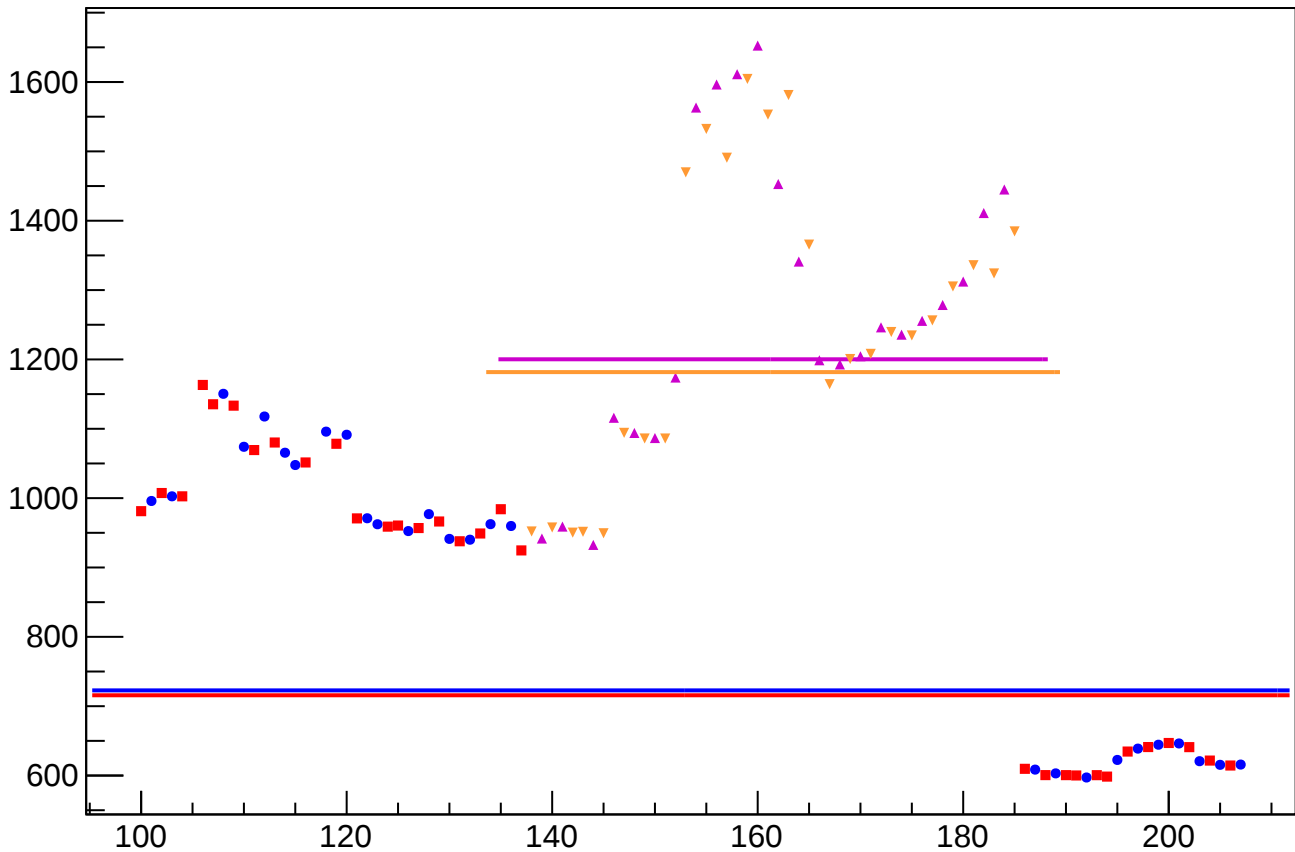
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 29.644 ± 0.162 $\chi^2/\text{NDF}: 25234.2/51$

All: 8.830 ± 0.114 $\chi^2/\text{NDF}: 83727.0/105$

- sign -11.096 ± 0.159 $\chi^2/\text{NDF}: 26325.8/53$

diff_bpm2i02Y_rms vs Slug



Right In: 722.798 $\pm$ 0.141 χ^2 /NDF: 1499749.7/26

Left Out: 1181.732 $\pm$ 0.198 χ^2 /NDF:1043520.8/24

Right Out: 715.747 $\pm$ 0.134 χ^2 /NDF: 1702862.7/30

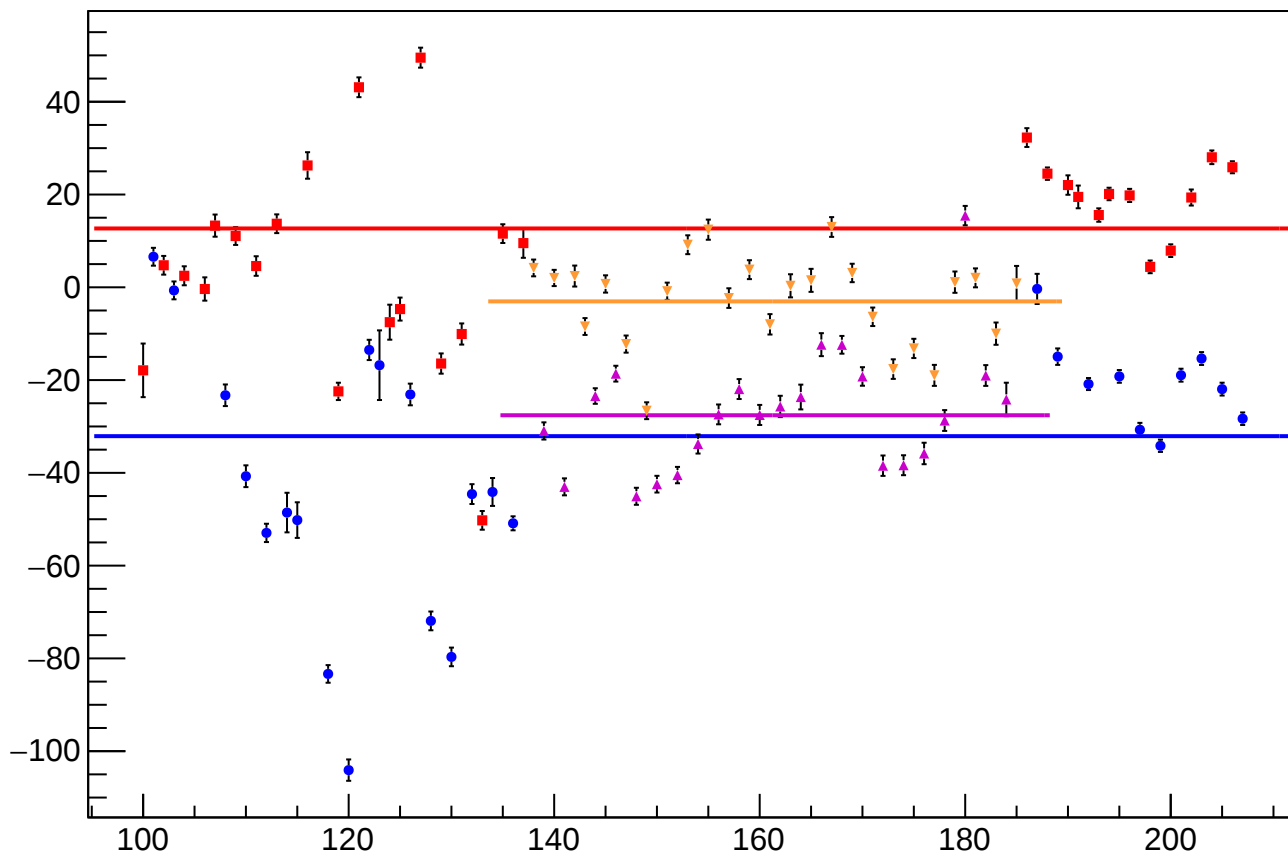
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 877.249 $\pm$ 0.115 χ^2 /NDF: 6111225.9/51

All: 867.597 $\pm$ 0.080 χ^2 /NDF: 12629657.0/10

- sign 858.358 $\pm$ 0.112 χ^2 /NDF: 6504597.9/53

diff_bpm0i02X_mean vs Slug



Right In: -32.091 ± 0.352 χ^2/NDF : 4449.7/26

Left Out: -3.037 ± 0.415 χ^2/NDF : 555.6/24

Right Out: 12.684 ± 0.336 χ^2/NDF : 2851.1/30

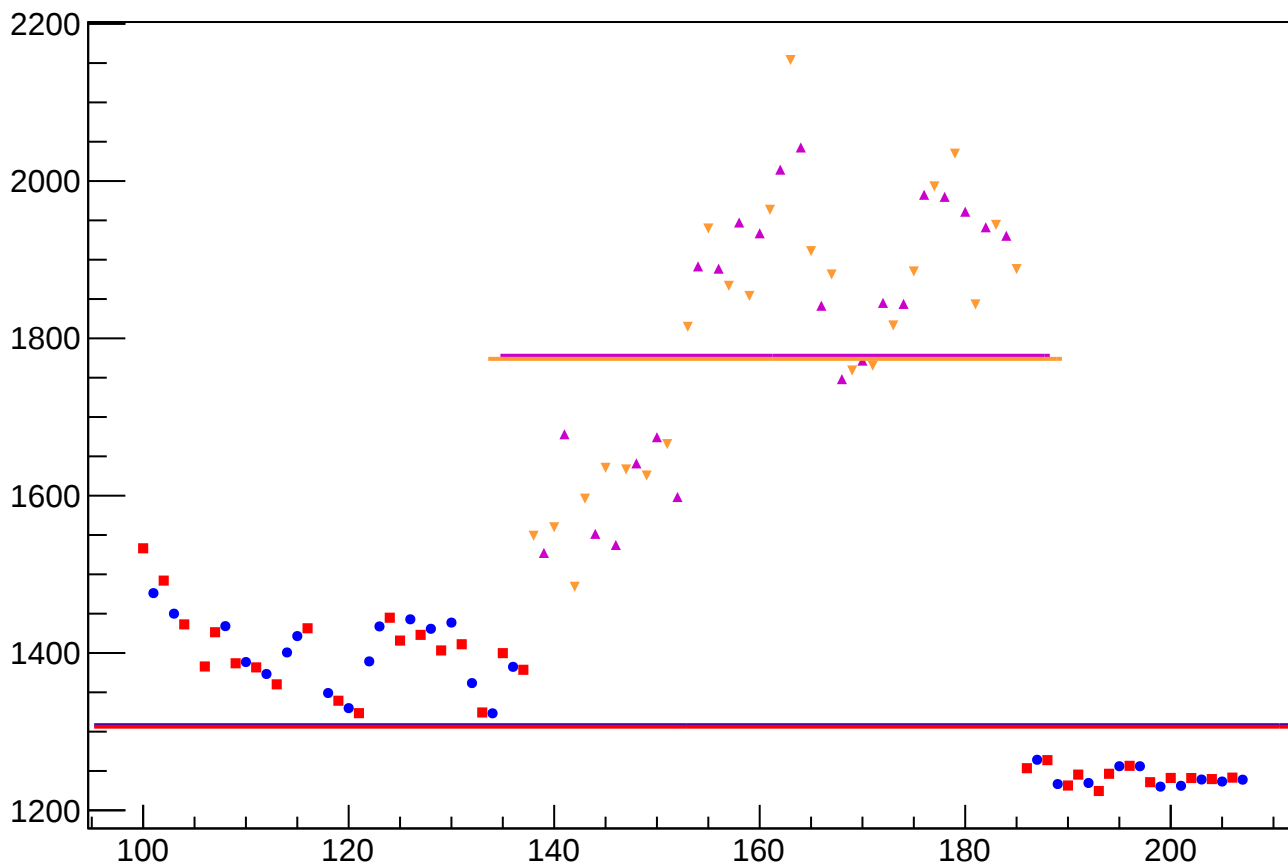
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -19.955 ± 0.268 χ^2/NDF : 7858.1/51

All: -11.172 ± 0.188 χ^2/NDF : 19242.8/105

- sign -2.629 ± 0.265 χ^2/NDF : 9270.2/53

diff_bpm0i02X_rms vs Slug



Right In: 1308.168 $\pm$ 0.249 χ^2 /NDF: 116428.5/26

Left Out: 1773.965 $\pm$ 0.294 χ^2 /NDF:313031.1/24

Right Out: 1306.320 $\pm$ 0.238 χ^2 /NDF: 115092.8/30

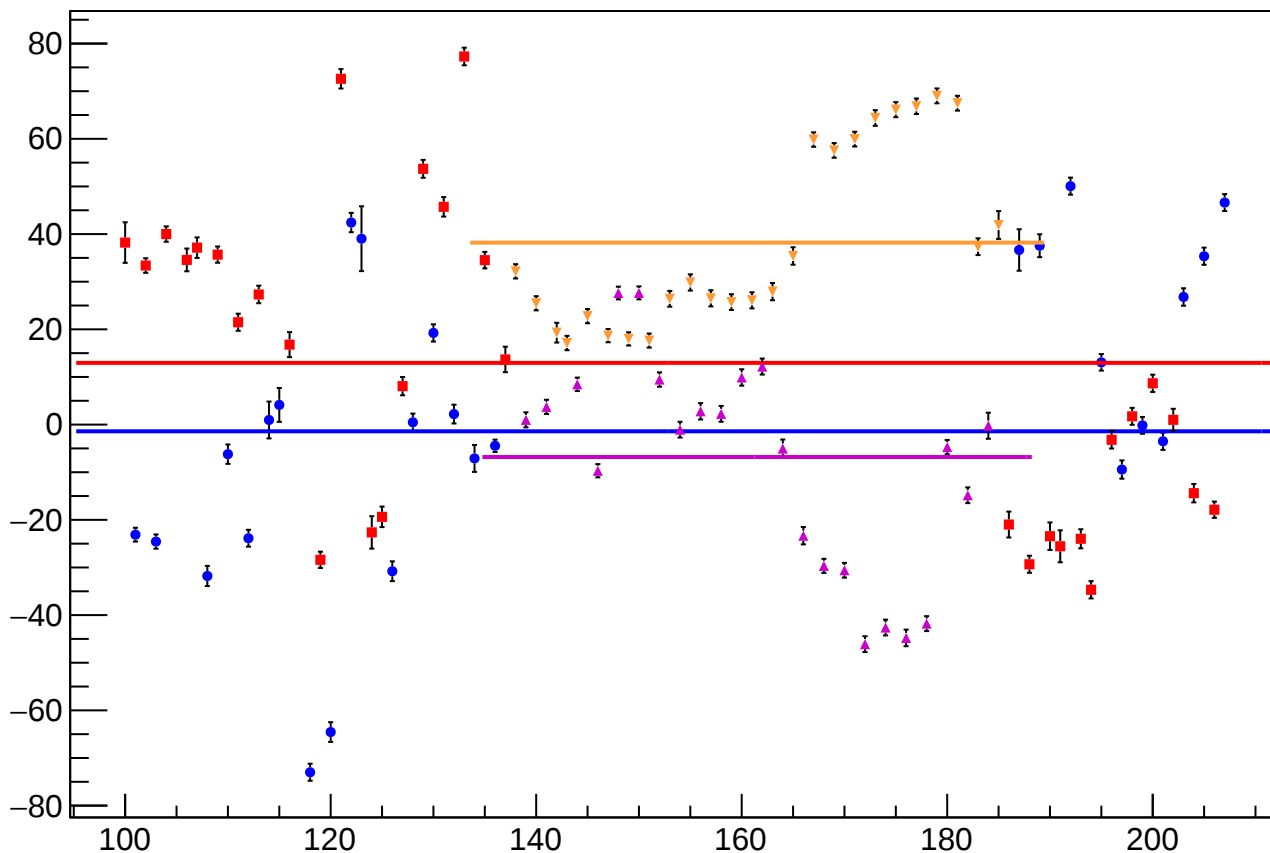
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF:299514.0/22

+ sign 1502.733 $\pm$ 0.190 χ^2 /NDF: 1896004.2/51

All: 1494.073 $\pm$ 0.133 χ^2 /NDF: 3812120.0/10

- sign 1485.650 $\pm$ 0.187 χ^2 /NDF: 1912004.2/53

diff_bpm0i02Y_mean vs Slug



Right In: -1.409 ± 0.374 χ^2/NDF : 6844.9/26

Left Out: 38.206 ± 0.323 χ^2/NDF : 3514.2/24

Right Out: 12.961 ± 0.360 χ^2/NDF : 7541.1/30

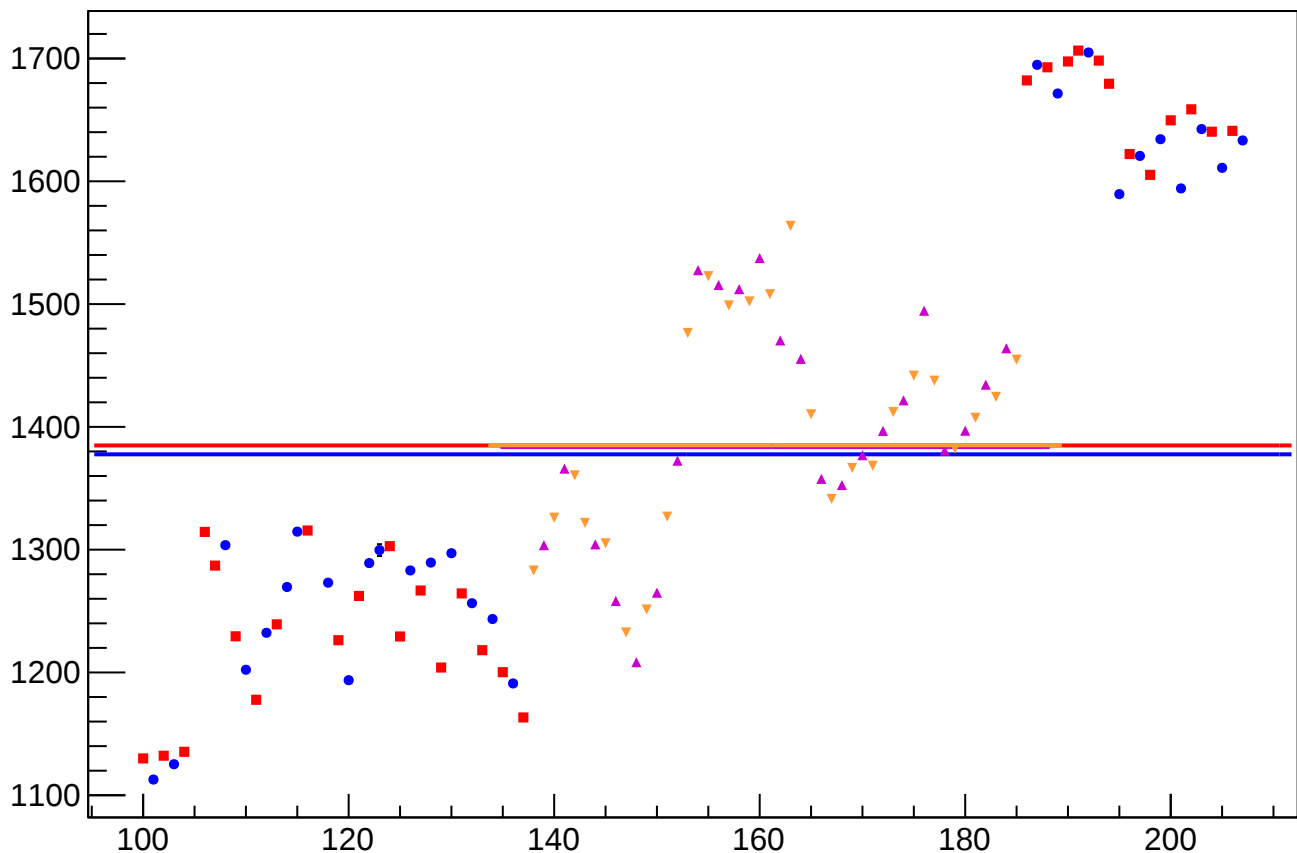
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 21.243 ± 0.245 χ^2/NDF : 16785.6/51

All: 11.772 ± 0.173 χ^2/NDF : 33445.8/105

- sign 2.307 ± 0.244 χ^2/NDF : 13660.9/53

diff_bpm0i02Y_rms vs Slug



Right In: 1377.648 $\pm$ 0.264 χ^2 /NDF: 606095.2/26

Left Out: 1385.063 $\pm$ 0.229 χ^2 /NDF:146001.5/24

Right Out: 1384.871 $\pm$ 0.255 χ^2 /NDF: 735483.5/30

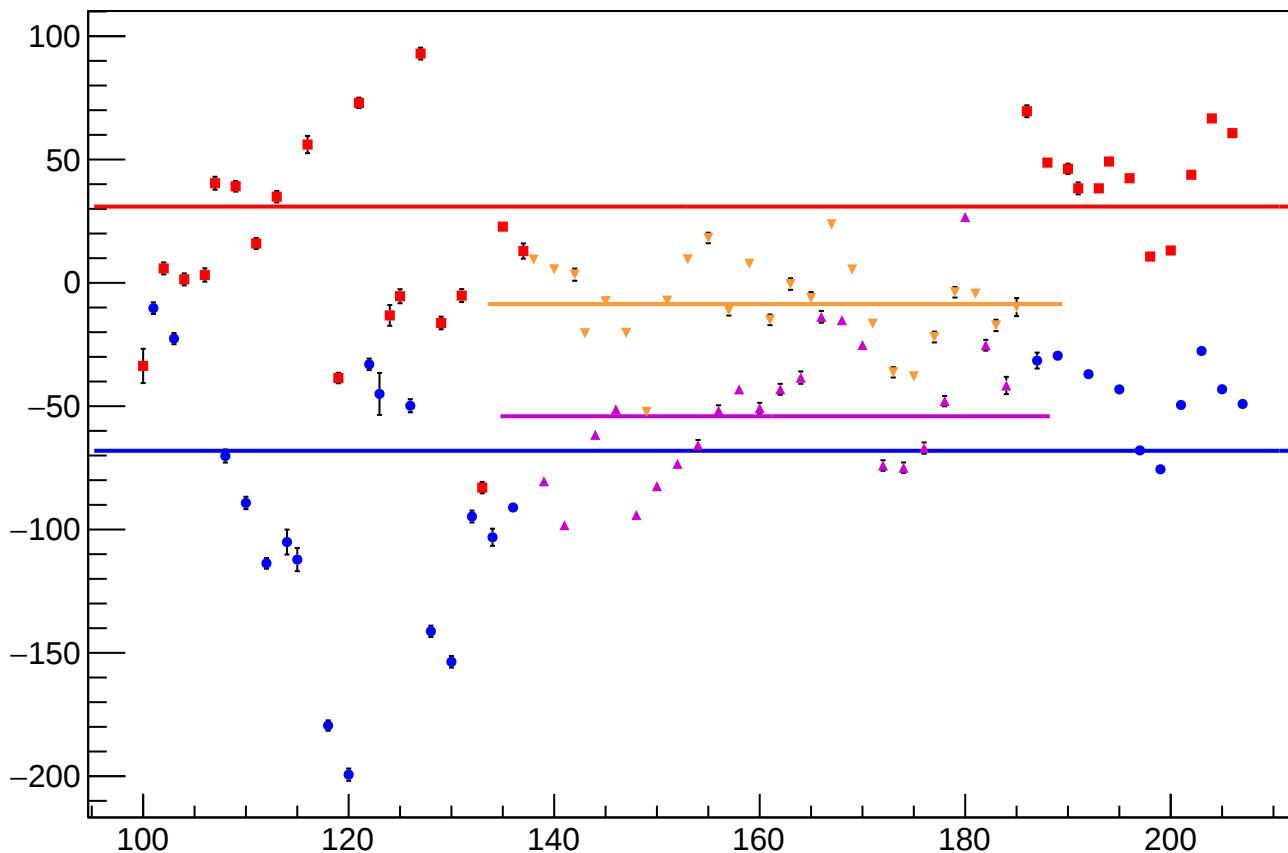
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1381.888 $\pm$ 0.173 χ^2 /NDF: 752547.0/51

All: 1383.026 $\pm$ 0.122 χ^2 /NDF: 1642827.4/10

- sign 1384.163 $\pm$ 0.173 χ^2 /NDF: 890193.8/53

diff_bpm0i02aX_mean vs Slug



Right In: -68.079 ± 0.392 χ^2/NDF : 12935.5/26

Left Out: -8.606 ± 0.410 χ^2/NDF : 1930.5/24

Right Out: 30.923 ± 0.370 χ^2/NDF : 7895.7/30

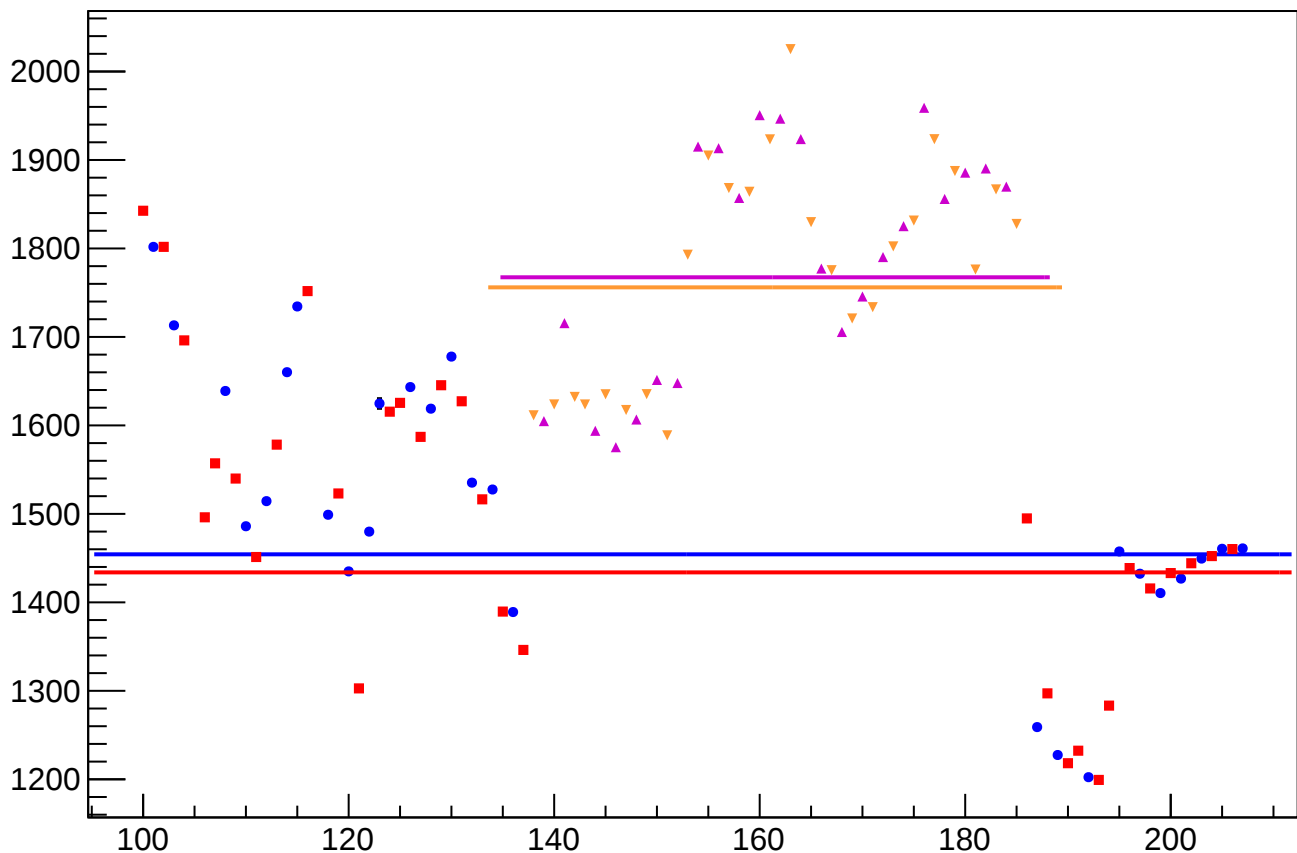
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -39.698 ± 0.283 χ^2/NDF : 25854.6/51

All: -22.436 ± 0.199 χ^2/NDF : 68504.2/105

- sign -5.673 ± 0.279 χ^2/NDF : 35336.0/53

diff_bpm0i02aX_rms vs Slug



Right In: 1454.290+/-0.277 χ^2/NDF : 261570.6/26

Left Out: 1756.034+/-0.290 χ^2/NDF : 175762.3/24

Right Out: 1433.870+/-0.262 χ^2/NDF : 308738.2/30

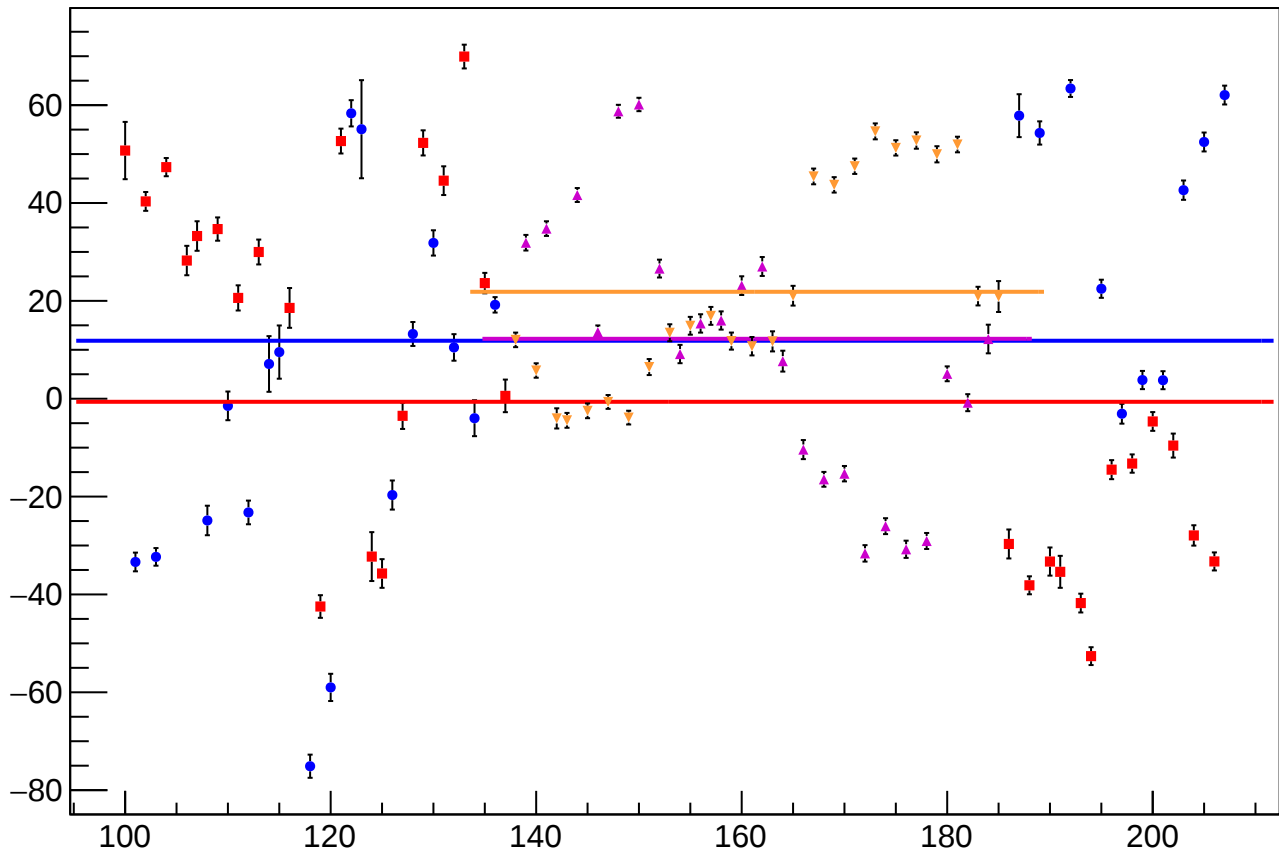
Left In: 1767.410+/-0.301 χ^2/NDF : 187958.2/22

+ sign 1598.285+/-0.200 χ^2/NDF : 1003051.9/51

All: 1587.717+/-0.141 χ^2/NDF : 2204673.5/10

- sign 1577.453+/-0.197 χ^2/NDF : 1196138.7/53

diff_bpm0i02aY_mean vs Slug



Right In: 11.849+/-0.446 χ^2/NDF : 6881.2/26

Left Out: 21.856+/-0.335 χ^2/NDF : 4110.5/24

Right Out: -0.628+/-0.428 χ^2/NDF : 7085.8/30

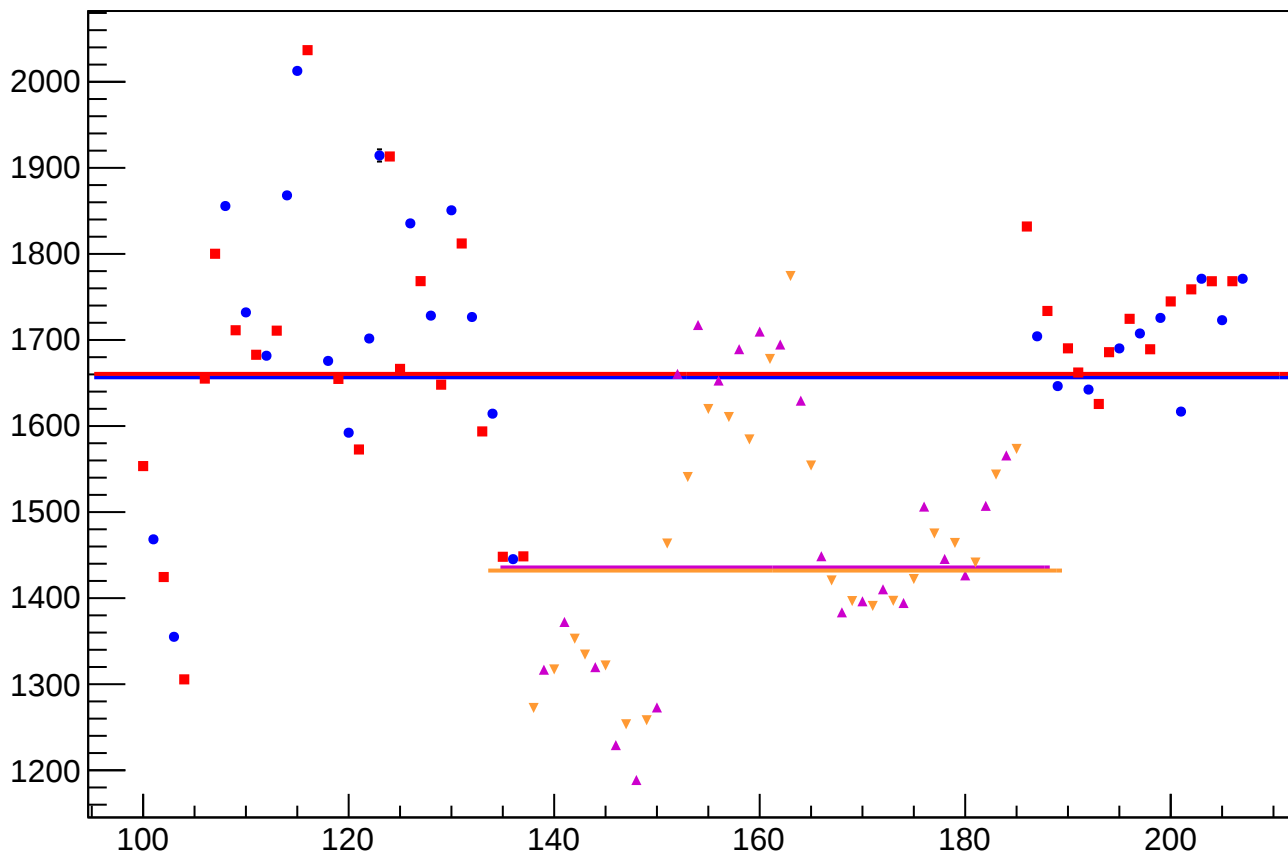
Left In: 12.246+/-0.347 χ^2/NDF : 6781.6/22

+ sign 18.246+/-0.268 χ^2/NDF : 11313.0/51

All: 12.725+/-0.190 χ^2/NDF : 26579.0/105

- sign 7.141+/-0.270 χ^2/NDF : 14413.0/53

diff_bpm0i02aY_rms vs Slug



Right In: 1656.640 ± 0.316 $\chi^2/\text{NDF}: 179899.7/26$

Left Out: 1432.060 ± 0.237 $\chi^2/\text{NDF}: 297360.3/24$

Right Out: 1660.595 ± 0.303 $\chi^2/\text{NDF}: 206134.3/30$

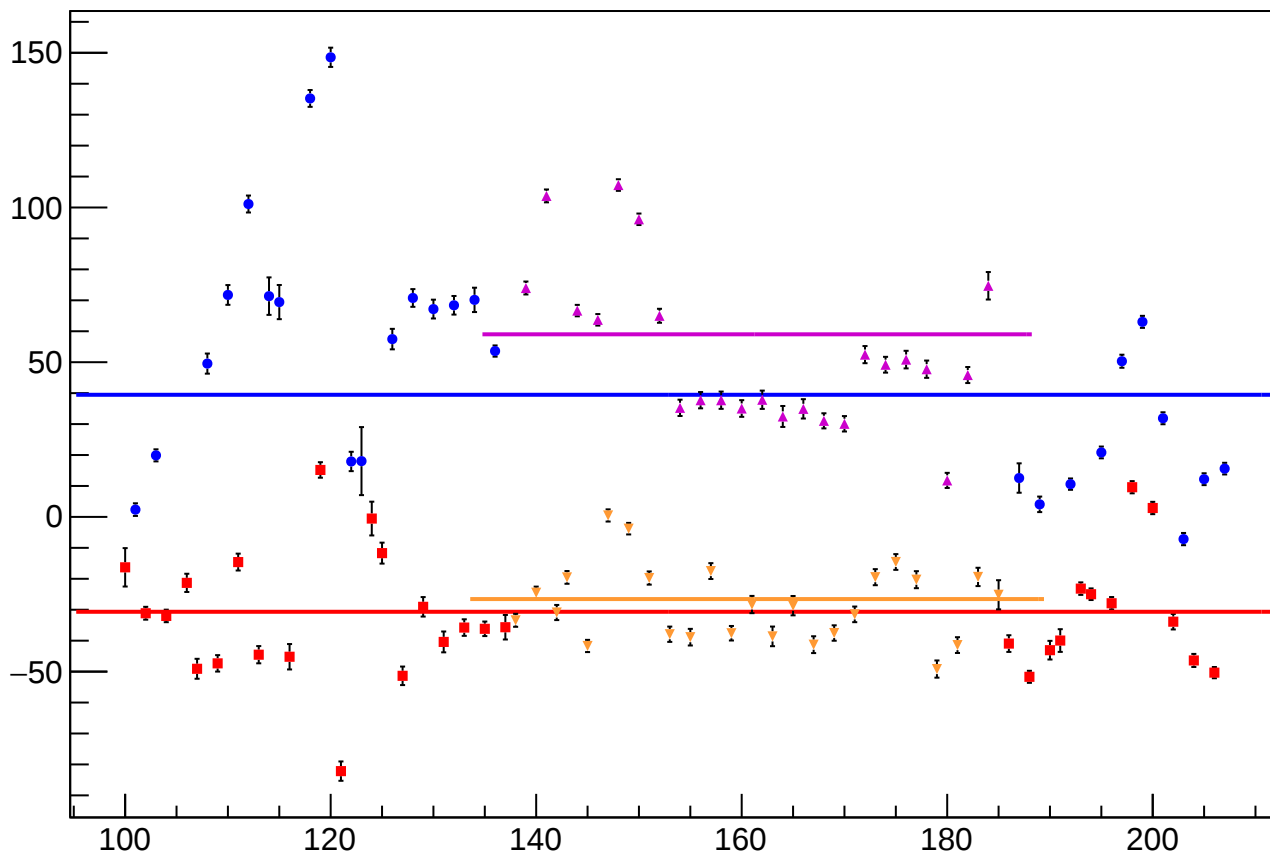
Left In: 1435.645 ± 0.245 $\chi^2/\text{NDF}: 420835.0/22$

+ sign 1513.075 ± 0.190 $\chi^2/\text{NDF}: 800892.4/51$

All: 1518.925 ± 0.134 $\chi^2/\text{NDF}: 1762951.6/10$

- sign 1524.841 ± 0.191 $\chi^2/\text{NDF}: 960143.8/53$

diff_bpm0i05X_mean vs Slug



Right In: 39.470 ± 0.478 χ^2/NDF : 5756.8/26

Left Out: -26.554 ± 0.488 χ^2/NDF : 717.5/24

Right Out: -30.661 ± 0.456 χ^2/NDF : 1948.8/30

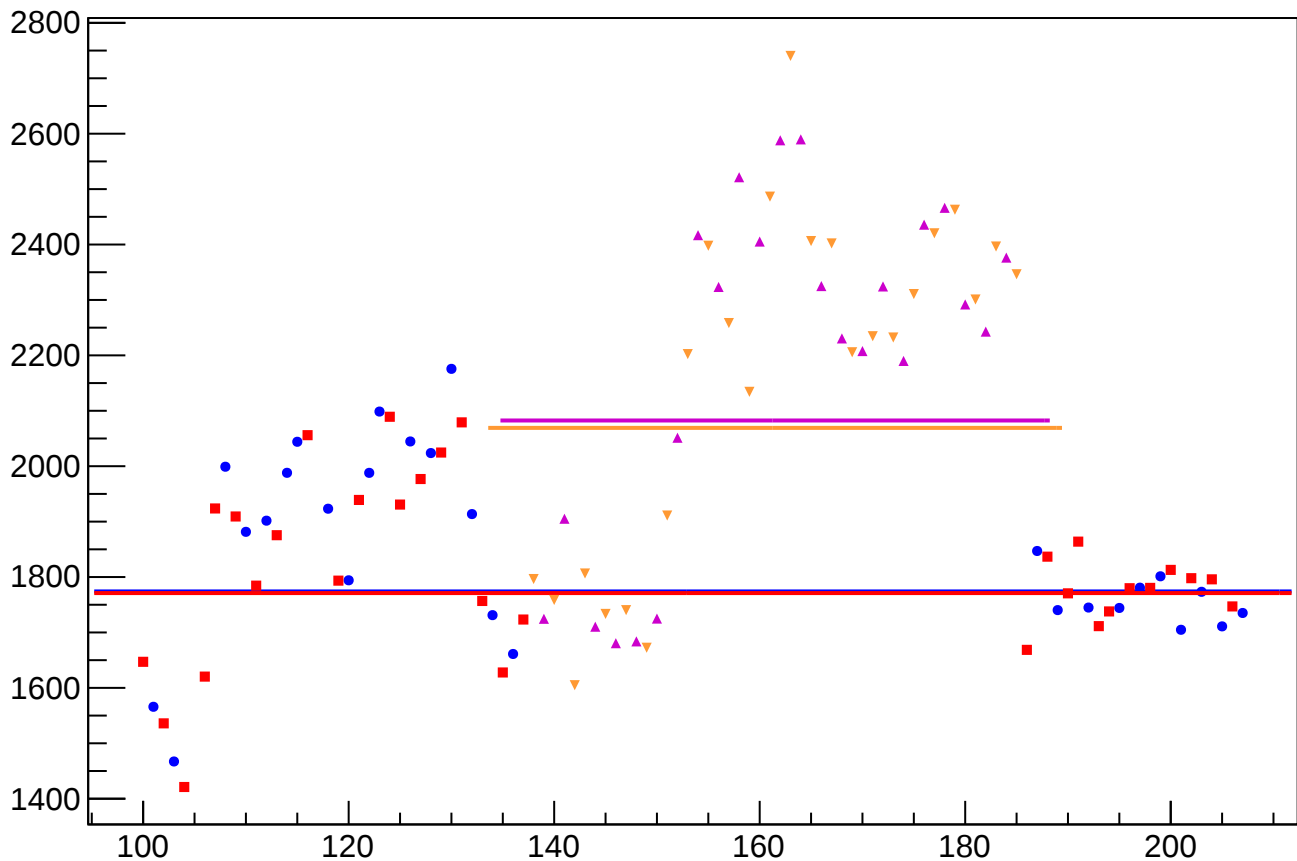
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 7.137 ± 0.341 χ^2/NDF : 15820.3/51

All: 8.339 ± 0.241 χ^2/NDF : 37882.2/105

- sign 9.524 ± 0.339 χ^2/NDF : 22037.3/53

diff_bpm0i05X_rms vs Slug



Right In: 1774.018 $\pm$ 0.338 χ^2 /NDF: 194532.1/26

Left Out: 2069.146 $\pm$ 0.345 χ^2 /NDF: 799037.9/24

Right Out: 1771.058 $\pm$ 0.323 χ^2 /NDF: 188462.5/30

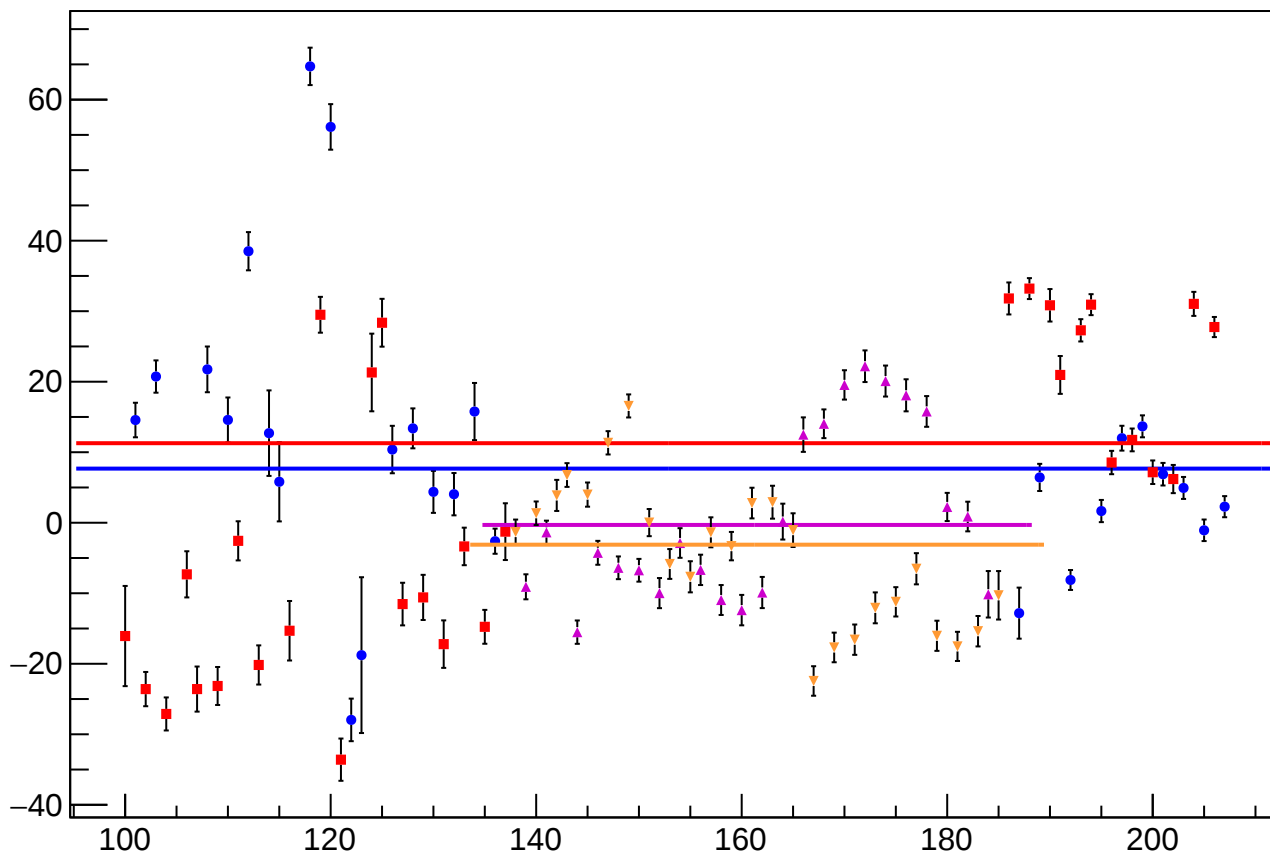
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1918.546 $\pm$ 0.241 χ^2 /NDF: 1367054.6/51

All: 1914.555 $\pm$ 0.170 χ^2 /NDF: 2758804.4/10

- sign 1910.620 $\pm$ 0.240 χ^2 /NDF: 1391207.1/53

diff_bpm0i05Y_mean vs Slug



Right In: 7.677 ± 0.423 $\chi^2/\text{NDF}: 1313.5/26$

Left Out: -3.112 ± 0.404 $\chi^2/\text{NDF}: 643.7/24$

Right Out: 11.281 ± 0.405 $\chi^2/\text{NDF}: 2579.2/30$

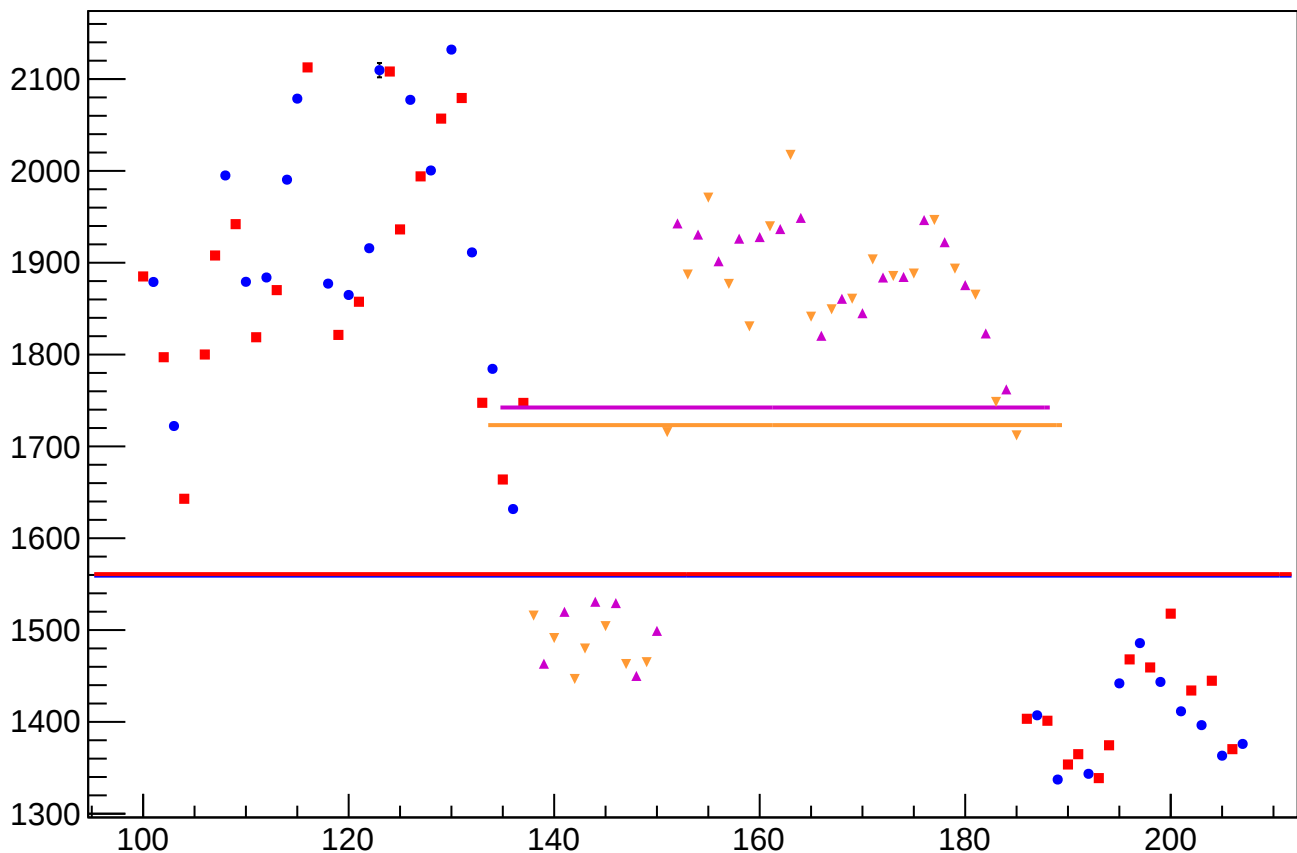
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 2.032 ± 0.292 $\chi^2/\text{NDF}: 2296.9/51$

All: 3.873 ± 0.207 $\chi^2/\text{NDF}: 6085.4/105$

- sign 5.708 ± 0.292 $\chi^2/\text{NDF}: 3709.3/53$

diff_bpm0i05Y_rms vs Slug



Right In: 1559.269+/-0.299 χ^2/NDF : 647171.3/26

Left Out: 1723.168+/-0.286 χ^2/NDF : 477441.1/24

Right Out: 1560.924+/-0.286 χ^2/NDF : 614272.2/30

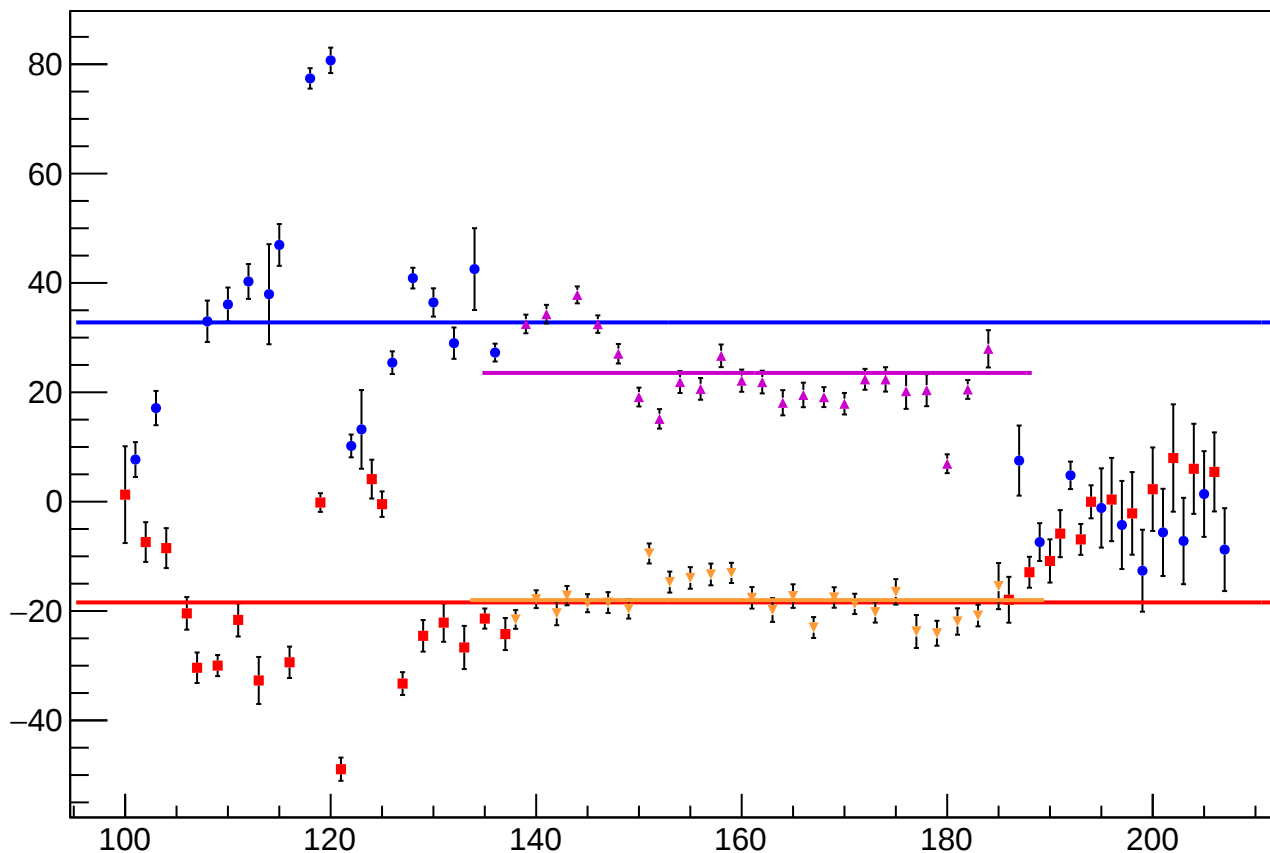
Left In: 1742.354+/-0.298 χ^2/NDF : 435841.5/22

+ sign 1645.018+/-0.207 χ^2/NDF : 1281381.0/51

All: 1646.578+/-0.146 χ^2/NDF : 2524429.2/10

- sign 1648.134+/-0.206 χ^2/NDF : 1242934.5/53

diff_bpm0i07X_mean vs Slug



Right In: 32.779 $\pm$ 0.594 χ^2 /NDF: 1724.3/26

Left Out: -18.007 $\pm$ 0.397 χ^2 /NDF: 73.8/24

Right Out: -18.429 $\pm$ 0.549 χ^2 /NDF: 705.2/30

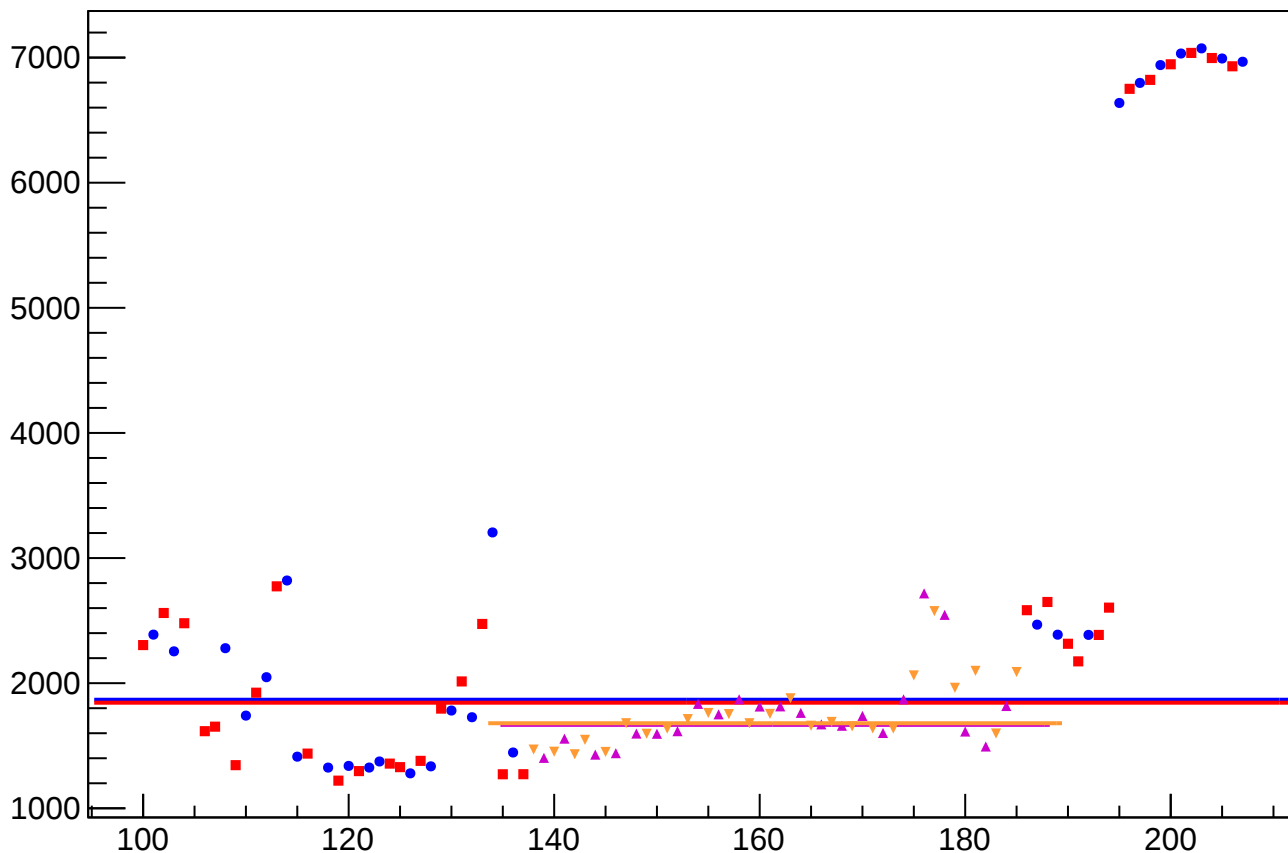
Left In: 23.544 $\pm$ 0.406 χ^2 /NDF: 346.7/22

+ sign -2.342 $\pm$ 0.330 χ^2 /NDF: 6853.8/51

All: 3.246 $\pm$ 0.232 χ^2 /NDF: 12257.4/105

- sign 8.708 $\pm$ 0.326 χ^2 /NDF: 4836.2/53

diff_bpm0i07X_rms vs Slug



Right In: 1867.618+/-0.420 χ^2/NDF : 7255300.1/26

Left Out: 1679.814+/-0.281 χ^2/NDF :522795.6/24

Right Out: 1843.953+/-0.388 χ^2/NDF : 6779905.0/30

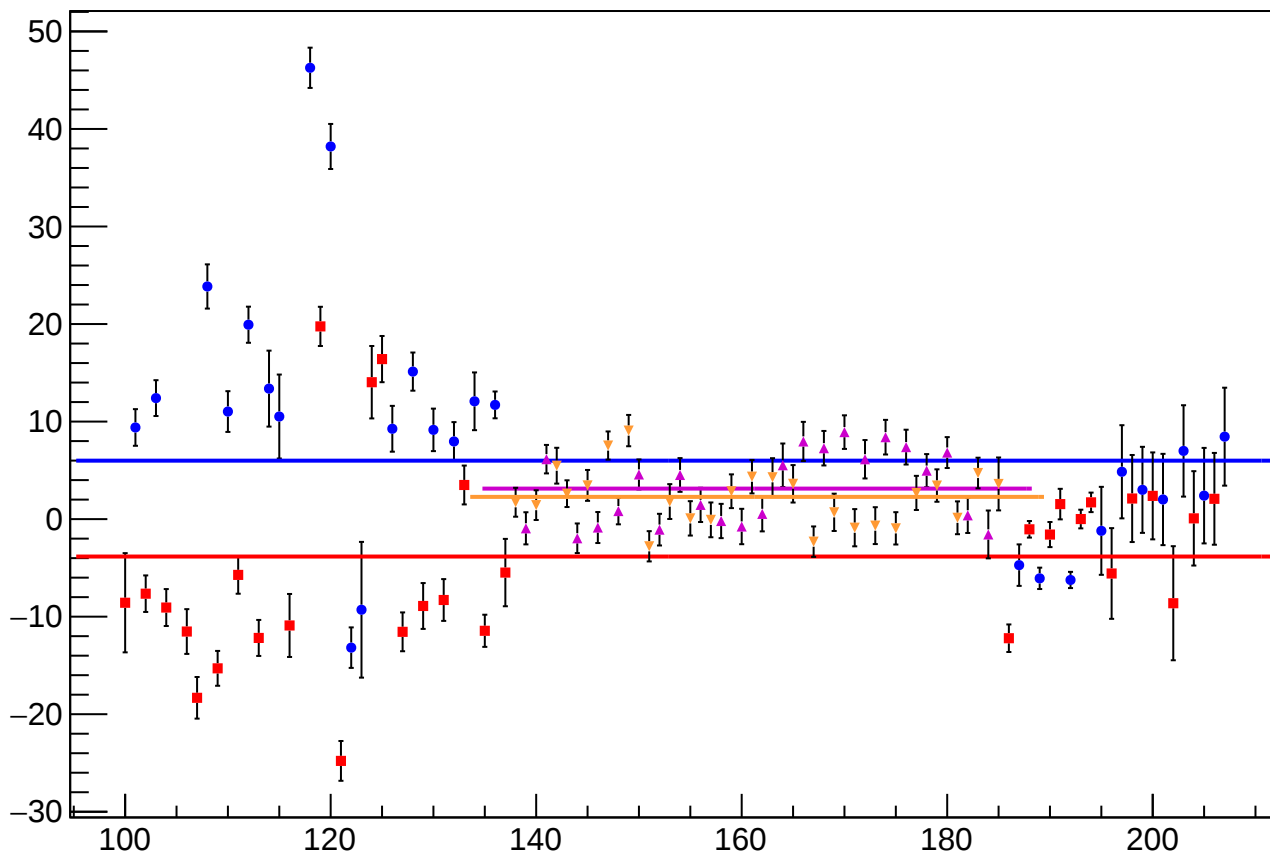
Left In: 1666.819+/-0.287 χ^2/NDF :650990.8/22

+ sign 1737.743+/-0.233 χ^2/NDF : 7916364.4/51

All: 1733.539+/-0.164 χ^2/NDF : 15482693.7/1

- sign 1729.429+/-0.231 χ^2/NDF : 7565687.0/53

diff_bpm0i07Y_mean vs Slug



Right In: 5.993 ± 0.393 χ^2/NDF : 1226.6/26

Left Out: 2.280 ± 0.338 χ^2/NDF : 75.6/24

Right Out: -3.836 ± 0.327 χ^2/NDF : 650.4/30

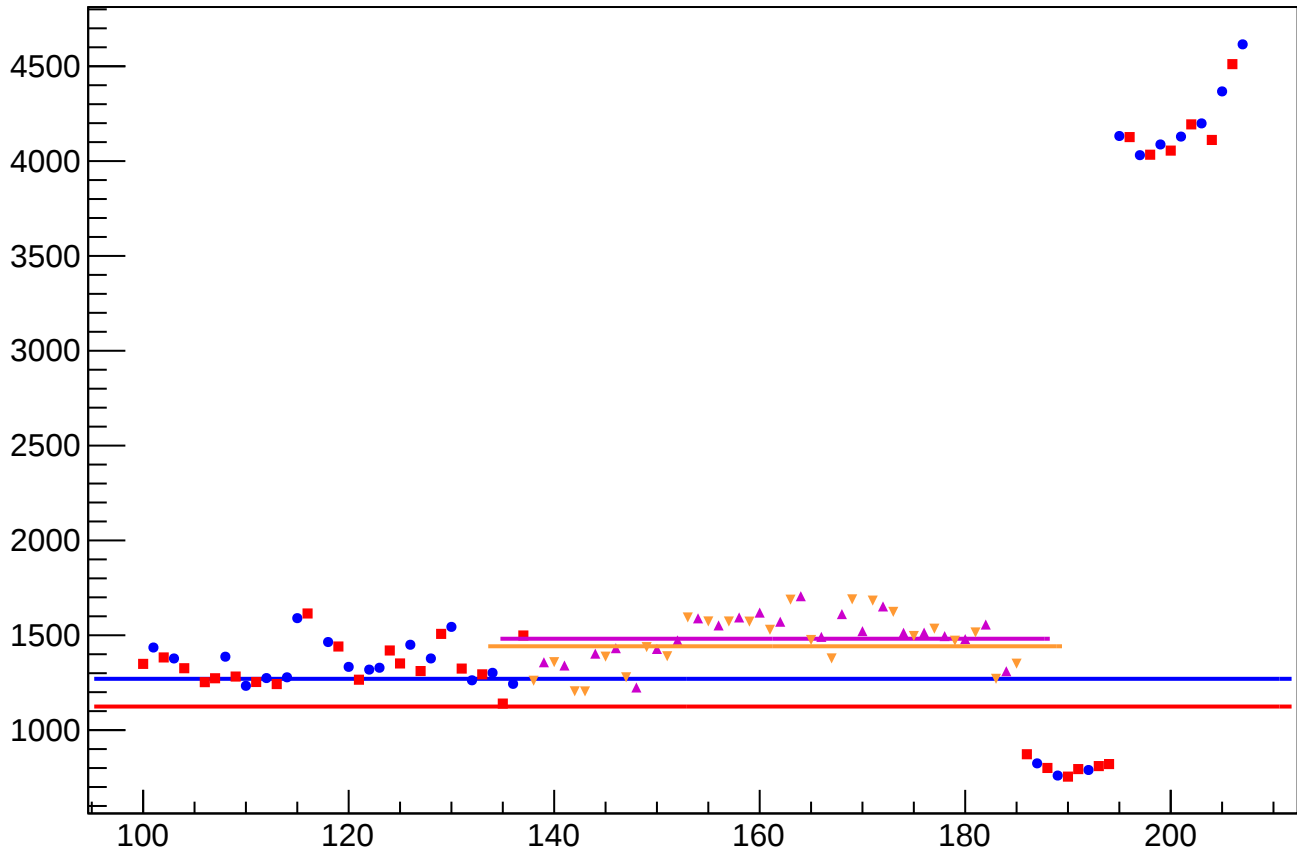
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.858 ± 0.256 χ^2/NDF : 1353.4/51

All: 1.462 ± 0.176 χ^2/NDF : 2478.1/105

- sign -0.661 ± 0.241 χ^2/NDF : 960.1/53

diff_bpm0i07Y_rms vs Slug



Right In: 1270.401+/-0.278 χ^2/NDF : 6807413.4/26

Left Out: 1441.951+/-0.239 χ^2/NDF : 370617.4/24

Right Out: 1124.219+/-0.231 χ^2/NDF : 6282895.8/30

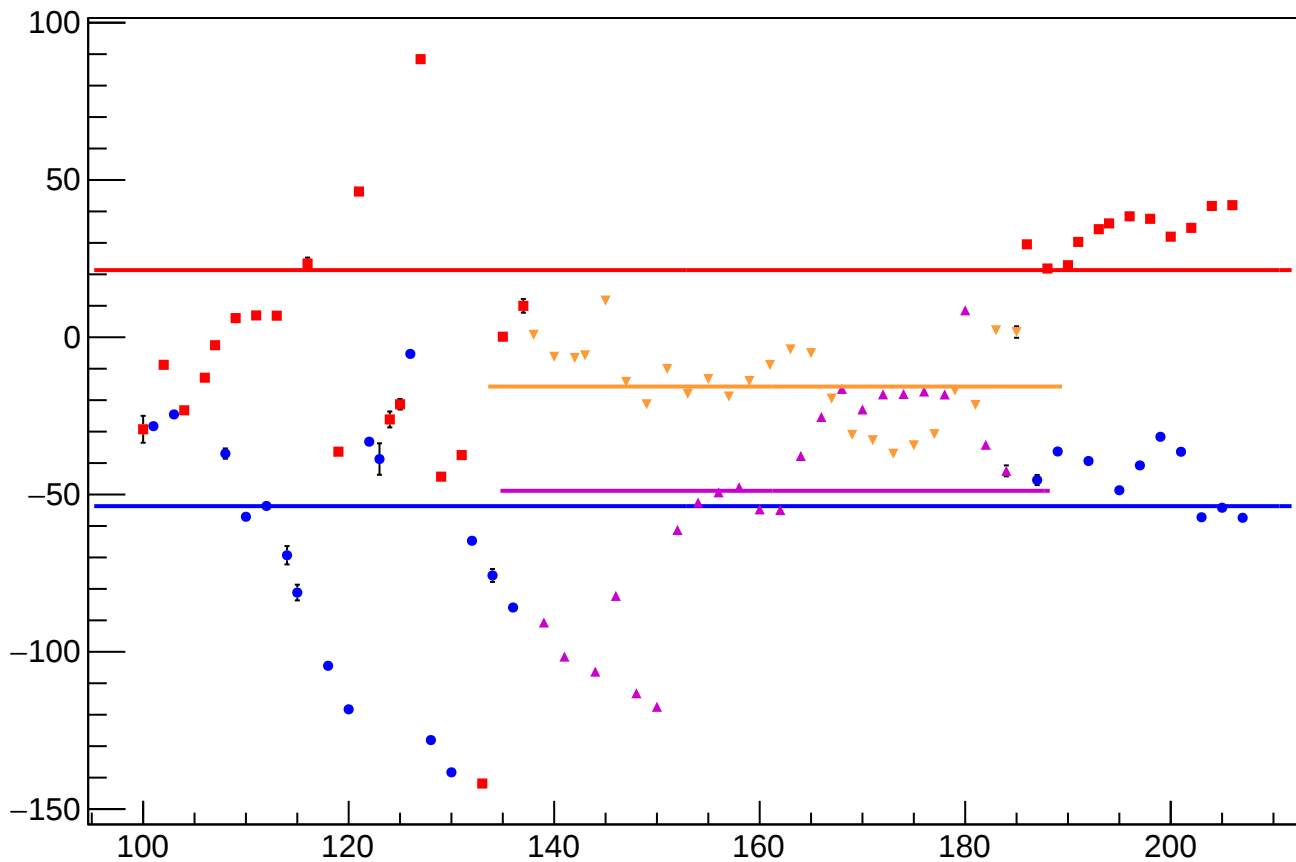
Left In: 1481.695+/-0.253 χ^2/NDF : 208470.6/22

+ sign 1369.036+/-0.181 χ^2/NDF : 7396694.9/51

All: 1325.630+/-0.124 χ^2/NDF : 15083518.8/100

- sign 1287.160+/-0.171 χ^2/NDF : 7578770.6/53

diff_bpm1i02X_mean vs Slug



Right In: -53.697 ± 0.199 χ^2/NDF : 17049.1/26

Left Out: -15.666 ± 0.212 χ^2/NDF : 3518.1/24

Right Out: 21.345 ± 0.190 χ^2/NDF : 30467.9/30

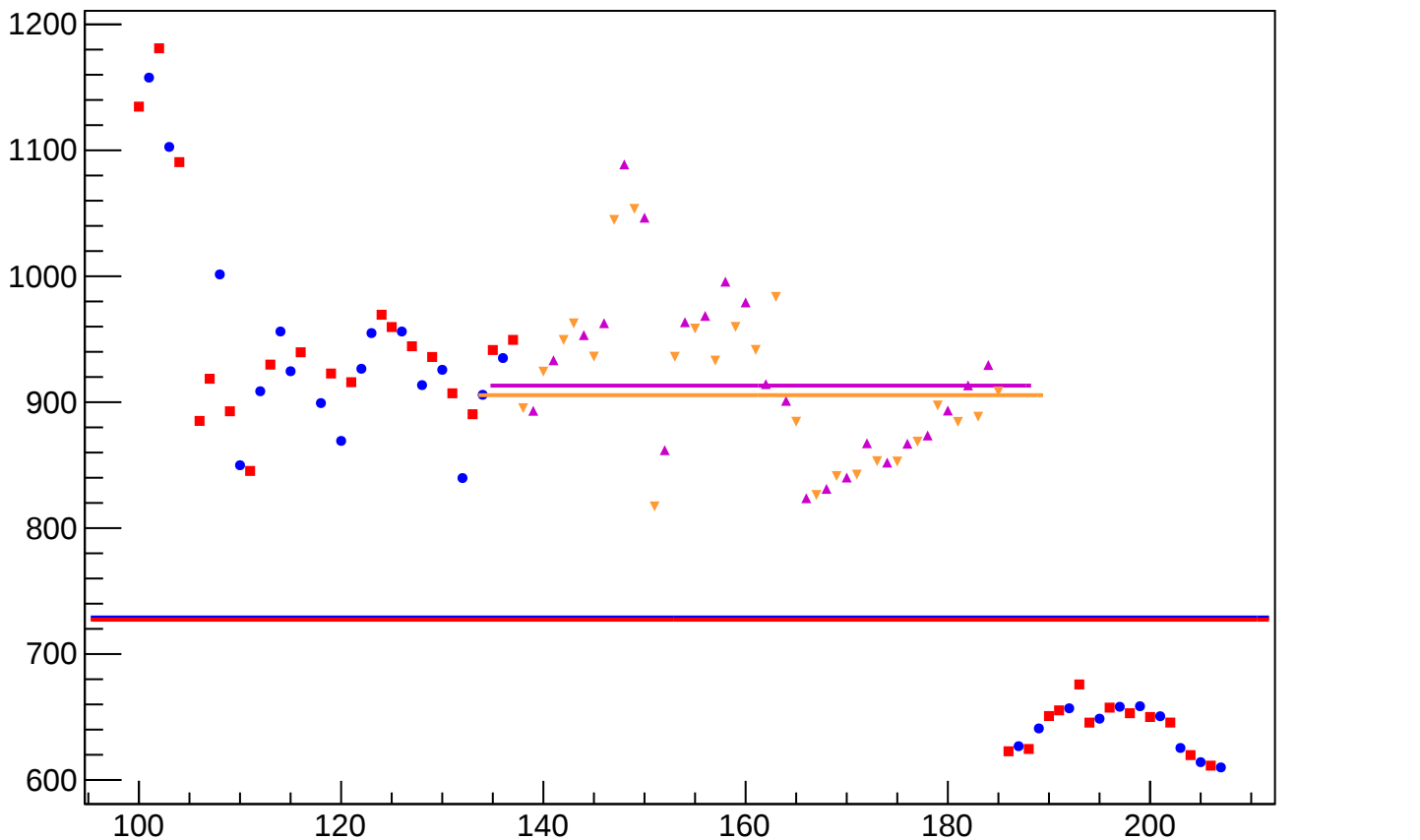
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -35.803 ± 0.145 χ^2/NDF : 37685.4/51

All: -22.134 ± 0.102 χ^2/NDF : 169240.2/105

- sign -8.693 ± 0.144 χ^2/NDF : 113949.8/53

diff_bpm1i02X_rms vs Slug



Right In: 729.045 $\pm$ 0.141 χ^2 /NDF: 1055206.7/26

Left Out: 905.578 $\pm$ 0.150 χ^2 /NDF:162073.5/24

Right Out: 727.261 $\pm$ 0.135 χ^2 /NDF: 1121796.0/30

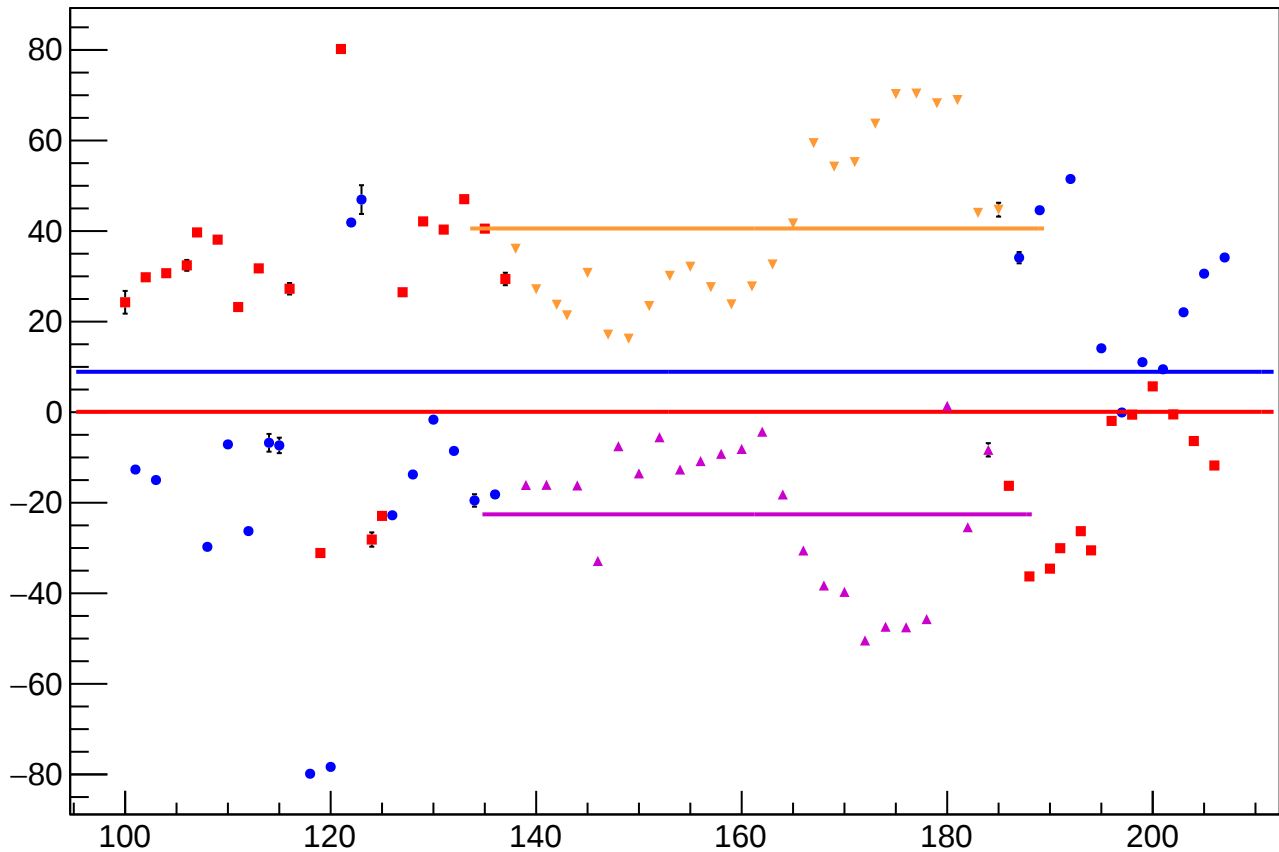
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 812.103 $\pm$ 0.103 χ^2 /NDF: 1954972.7/51

All: 809.457 $\pm$ 0.072 χ^2 /NDF: 4070129.5/105

- sign 806.856 $\pm$ 0.102 χ^2 /NDF: 2113837.7/53

diff_bpm1i02Y_mean vs Slug



Right In: 8.921 ± 0.146 χ^2/NDF : 41017.8/26

Left Out: 40.573 ± 0.168 χ^2/NDF : 12079.0/24

Right Out: 0.083 ± 0.139 χ^2/NDF : 41749.8/30

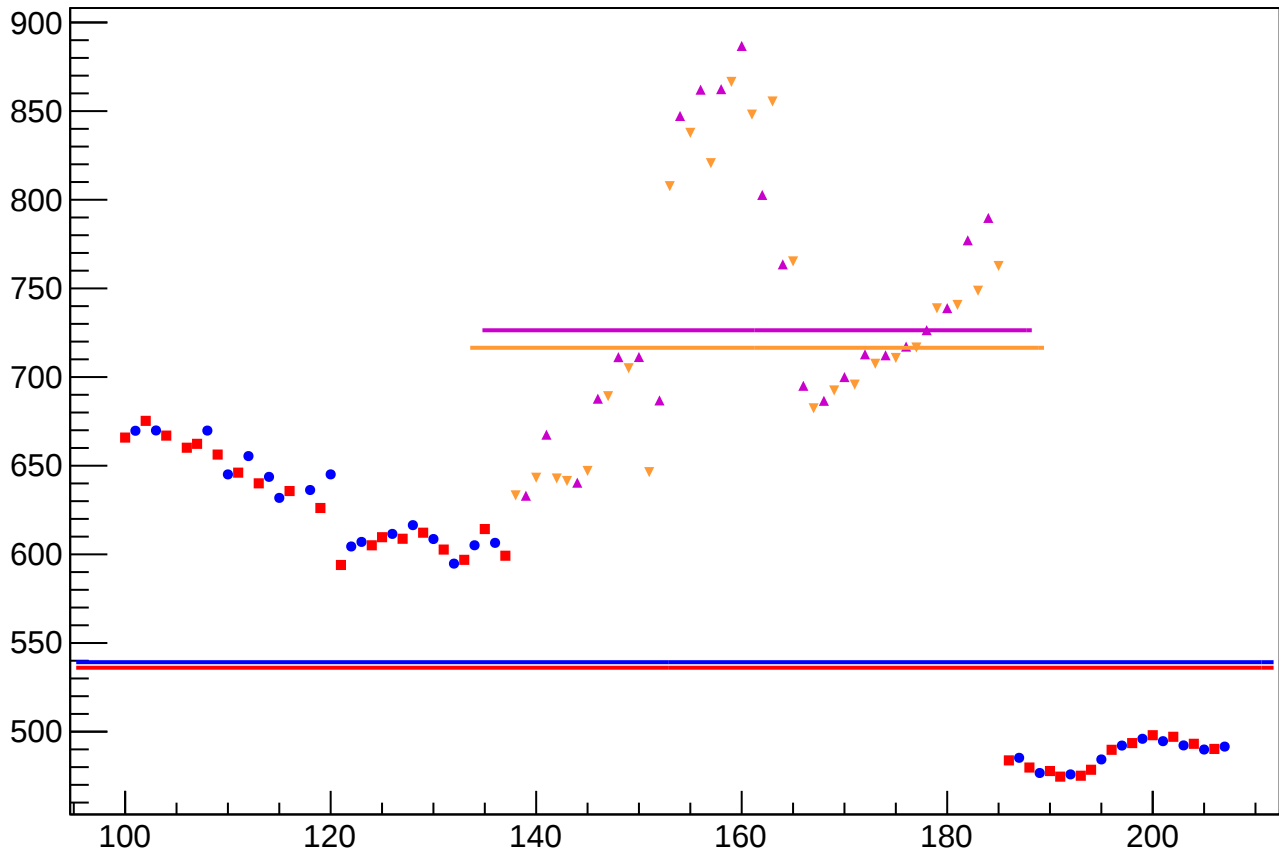
Left In: -22.565 ± 0.175 χ^2/NDF : 8167.7/22

+ sign 22.535 ± 0.110 χ^2/NDF : 73363.7/51

All: 6.764 ± 0.077 χ^2/NDF : 174126.4/105

- sign -8.642 ± 0.109 χ^2/NDF : 60180.9/53

diff_bpm1i02Y_rms vs Slug



Right In: 539.181 $\pm$ 0.103 χ^2 /NDF: 460739.5/26

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF: 342740.2/24

Right Out: 536.066 $\pm$ 0.098 χ^2 /NDF: 508826.1/30

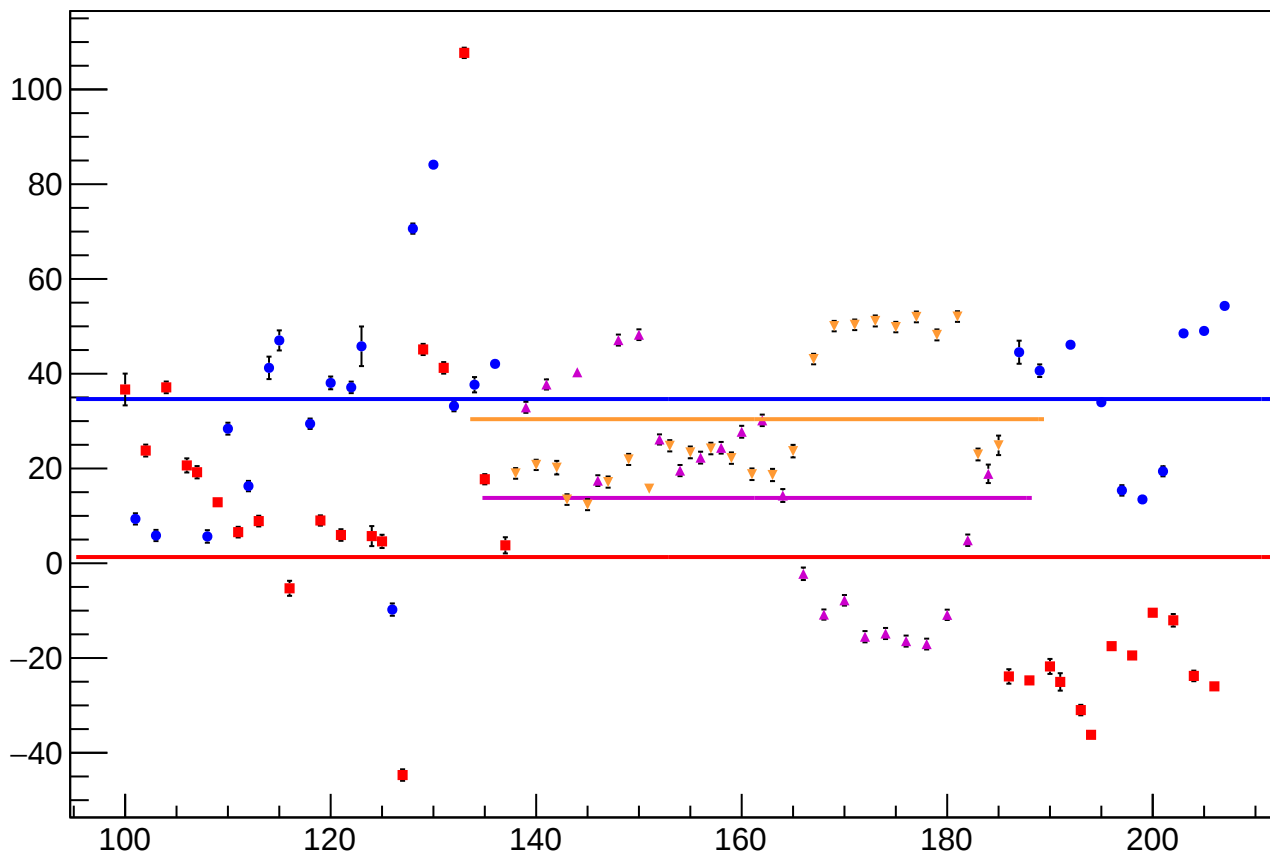
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 615.456 $\pm$ 0.078 χ^2 /NDF: 2075846.6/51

All: 612.385 $\pm$ 0.055 χ^2 /NDF: 4327141.4/105

- sign 609.386 $\pm$ 0.077 χ^2 /NDF: 2248218.7/53

diff_bpm1i04X_mean vs Slug



Right In: 34.657 ± 0.228 χ^2/NDF : 8283.2/26

Left Out: 30.408 ± 0.237 χ^2/NDF : 3808.0/24

Right Out: 1.310 ± 0.219 χ^2/NDF : 21343.4/30

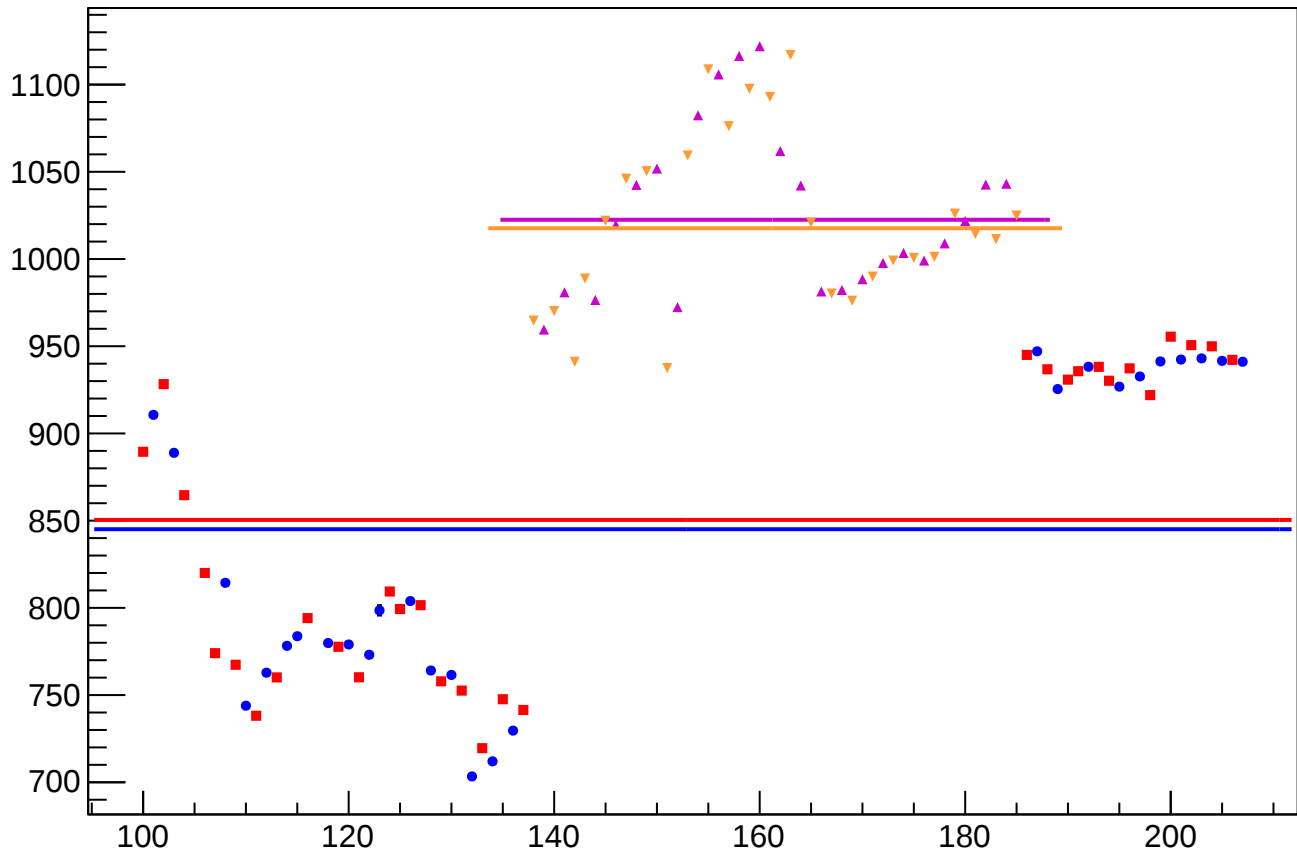
Left In: 13.787 ± 0.246 χ^2/NDF : 7979.7/22

+ sign 32.619 ± 0.164 χ^2/NDF : 12257.9/51

All: 19.675 ± 0.116 χ^2/NDF : 55355.1/105

- sign 6.843 ± 0.164 χ^2/NDF : 30756.6/53

diff_bpm1i04X_rms vs Slug



Right In: 845.086 $\pm$ 0.161 χ^2 /NDF: 311121.2/26

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF:83612.5/24

Right Out: 850.423 $\pm$ 0.155 χ^2 /NDF: 315738.7/30

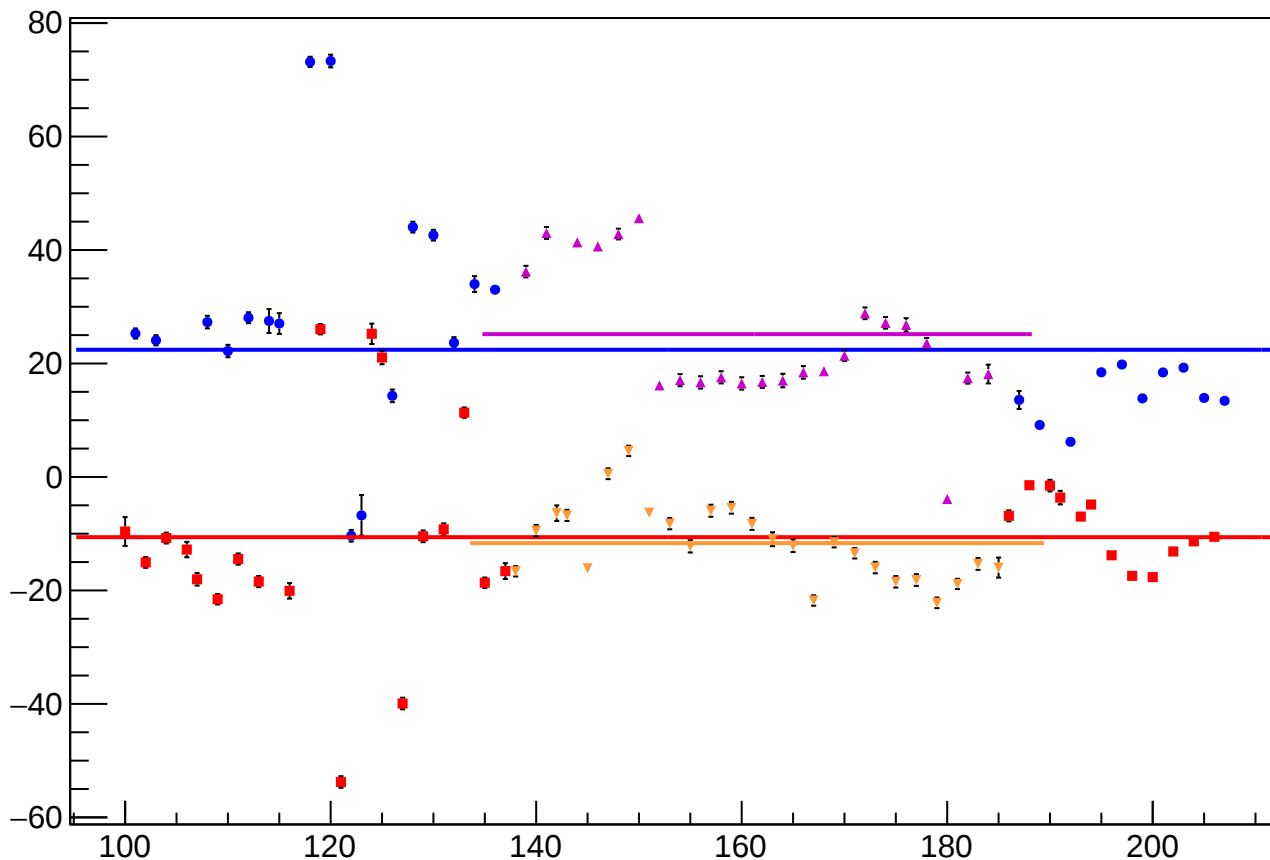
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF:69635.5/22

+ sign 927.871 $\pm$ 0.116 χ^2 /NDF: 944555.7/51

All: 927.303 $\pm$ 0.082 χ^2 /NDF: 1875421.1/105

- sign 926.740 $\pm$ 0.116 χ^2 /NDF: 930818.0/53

diff_bpm1i04Y_mean vs Slug



Right In: 22.419 ± 0.166 $\chi^2/\text{NDF}: 9290.9/26$

Left Out: -11.664 ± 0.200 $\chi^2/\text{NDF}: 1147.4/24$

Right Out: -10.614 ± 0.162 $\chi^2/\text{NDF}: 7015.9/30$

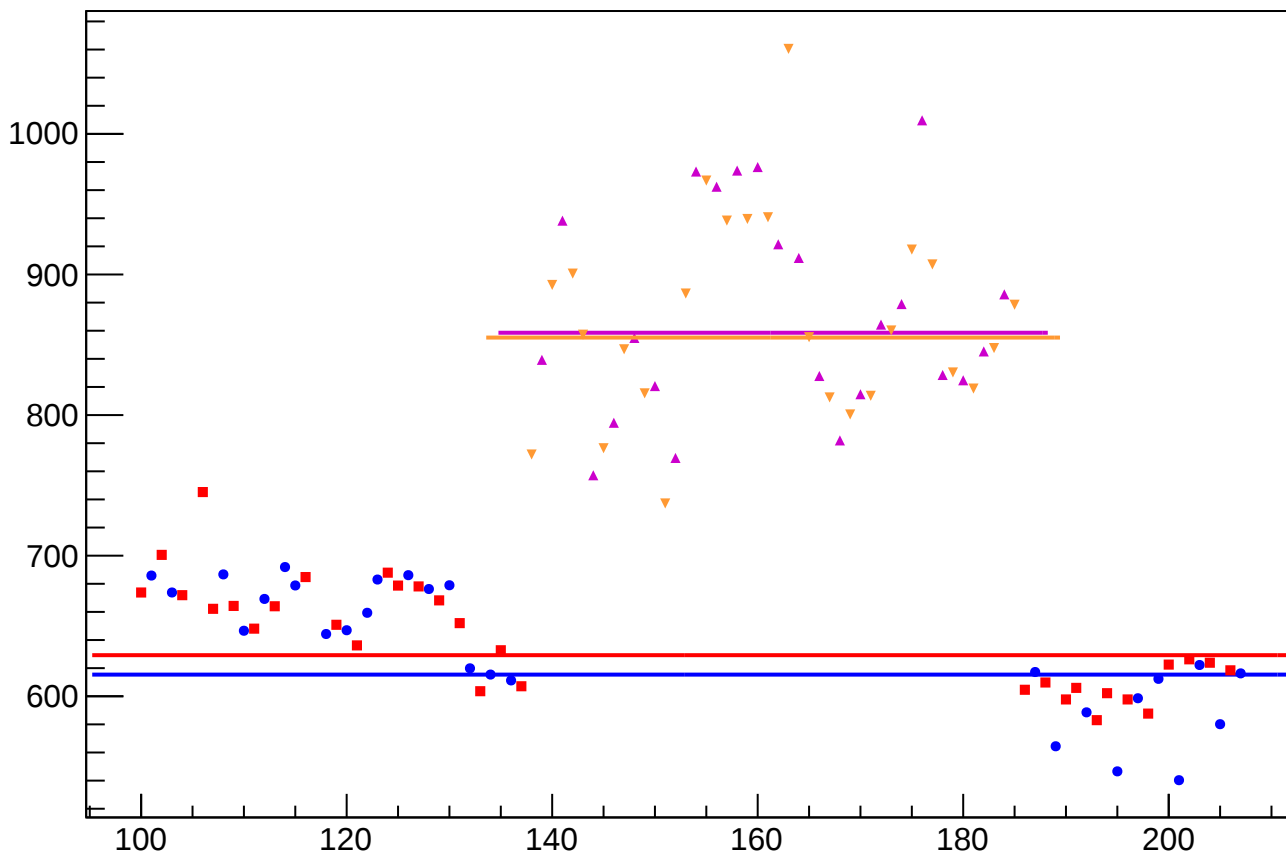
Left In: 25.174 ± 0.207 $\chi^2/\text{NDF}: 3747.1/22$

+ sign 8.546 ± 0.128 $\chi^2/\text{NDF}: 27610.0/51$

All: 5.738 ± 0.090 $\chi^2/\text{NDF}: 57841.8/105$

- sign 2.938 ± 0.128 $\chi^2/\text{NDF}: 29267.4/53$

diff_bpm1i04Y_rms vs Slug



Right In: 615.400 $\pm$ 0.117 χ^2 /NDF: 149135.8/26

Left Out: 855.131 $\pm$ 0.142 χ^2 /NDF:233746.7/24

Right Out: 629.225 $\pm$ 0.114 χ^2 /NDF: 90415.4/30

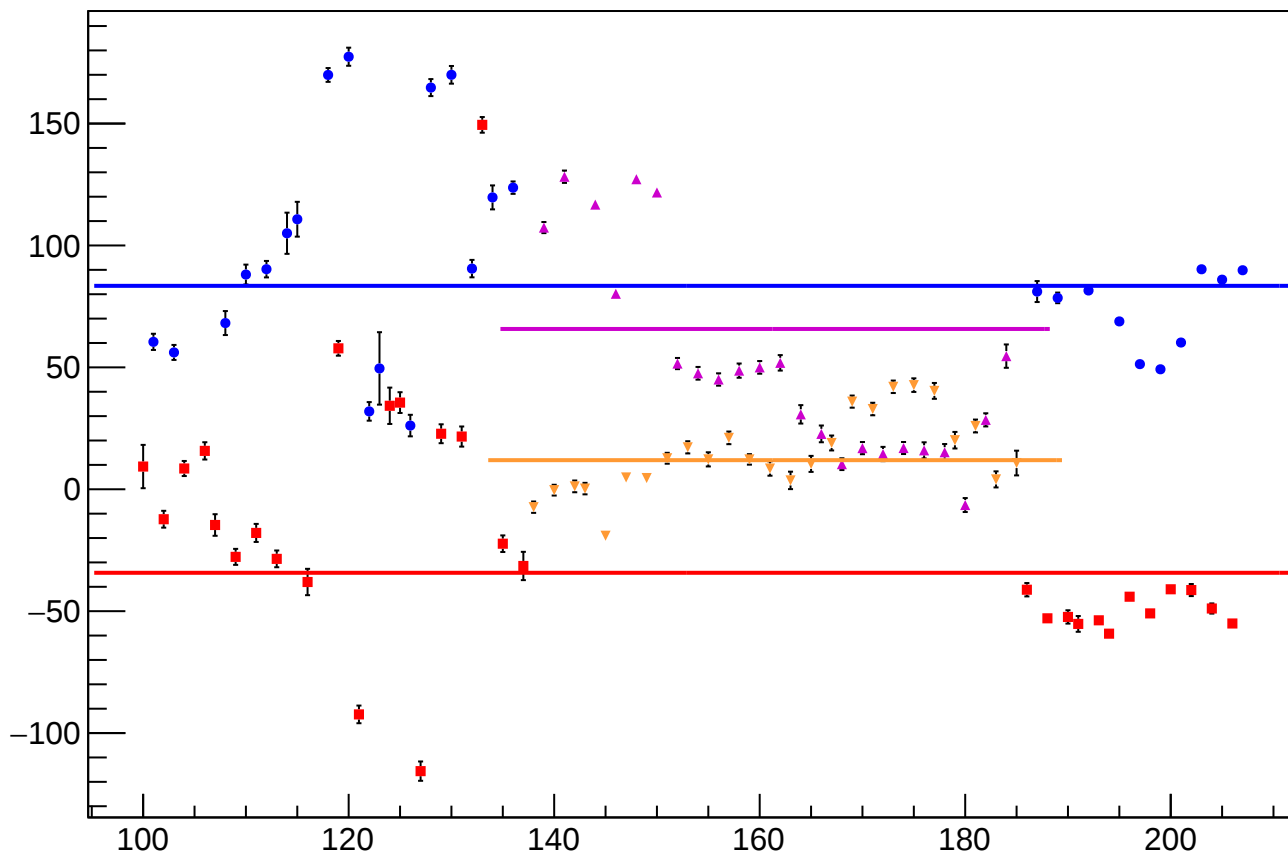
Left In: 858.563 $\pm$ 0.147 χ^2 /NDF:239019.8/22

+ sign 712.978 $\pm$ 0.090 χ^2 /NDF: 2081993.6/51

All: 714.526 $\pm$ 0.064 χ^2 /NDF: 3931837.6/105

- sign 716.070 $\pm$ 0.090 χ^2 /NDF: 1849257.8/53

diff_bpm1i06X_mean vs Slug



Right In: 83.440 $\pm$ 0.509 χ^2/NDF : 4401.2/26

Left Out: 11.938 $\pm$ 0.505 χ^2/NDF : 976.6/24

Right Out: -34.254 $\pm$ 0.493 χ^2/NDF : 6965.1/30

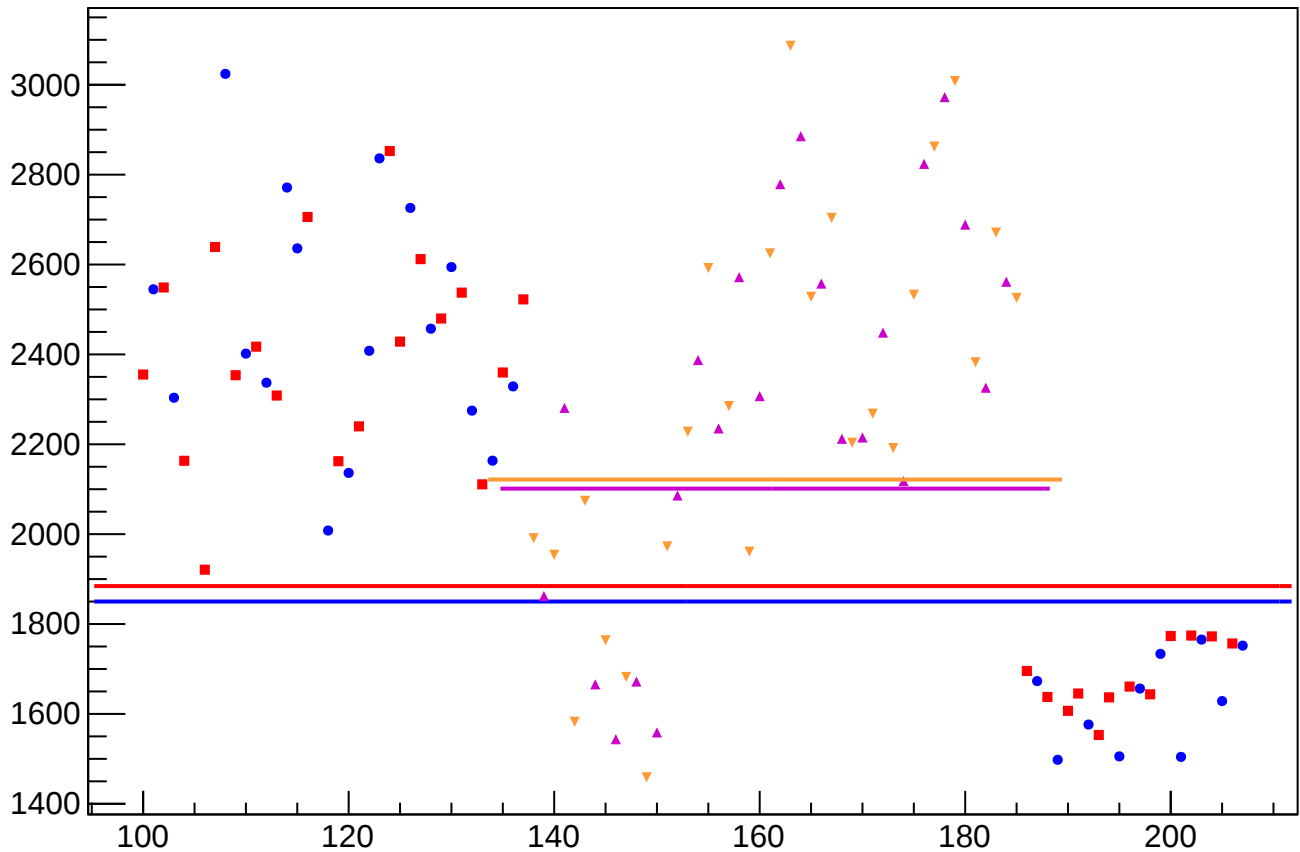
Left In: 65.752 $\pm$ 0.518 χ^2/NDF : 7335.8/22

+ sign 47.443 $\pm$ 0.359 χ^2/NDF : 15319.8/51

All: 30.273 $\pm$ 0.253 χ^2/NDF : 53772.0/105

- sign 13.265 $\pm$ 0.357 χ^2/NDF : 33887.4/53

diff_bpm1i06X_rms vs Slug



Right In: 1850.106 $\pm$ 0.360 χ^2 /NDF: 1111274.6/26

Left Out: 2121.567 $\pm$ 0.357 χ^2 /NDF:1387847.6/24

Right Out: 1884.444 $\pm$ 0.348 χ^2 /NDF: 927778.0/30

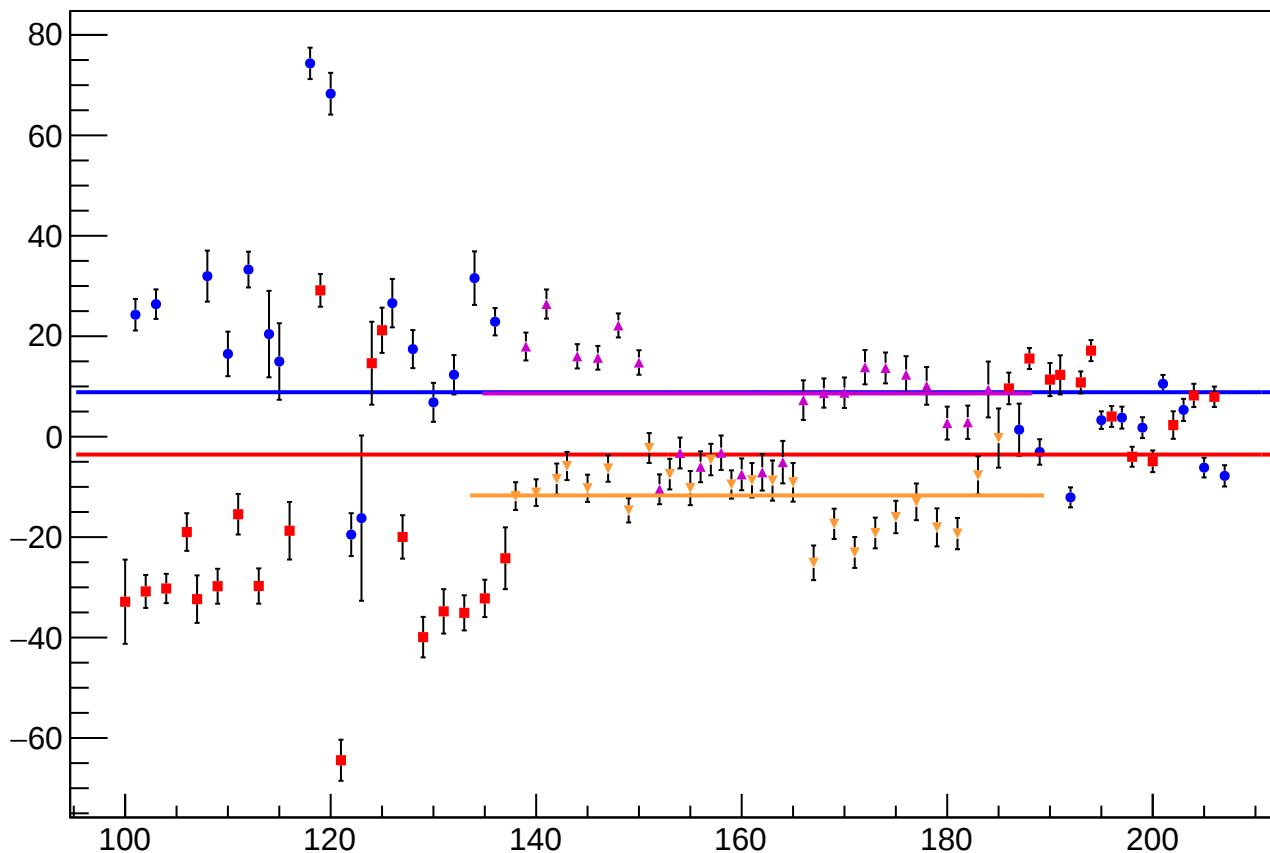
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 1986.773 $\pm$ 0.254 χ^2 /NDF: 2785724.0/51

All: 1987.137 $\pm$ 0.179 χ^2 /NDF: 5258260.1/10

- sign 1987.498 $\pm$ 0.252 χ^2 /NDF: 2472532.0/53

diff_bpm1i06Y_mean vs Slug



Right In: 8.855 ± 0.553 χ^2/NDF : 1172.1/26

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -3.562 ± 0.547 χ^2/NDF : 1355.7/30

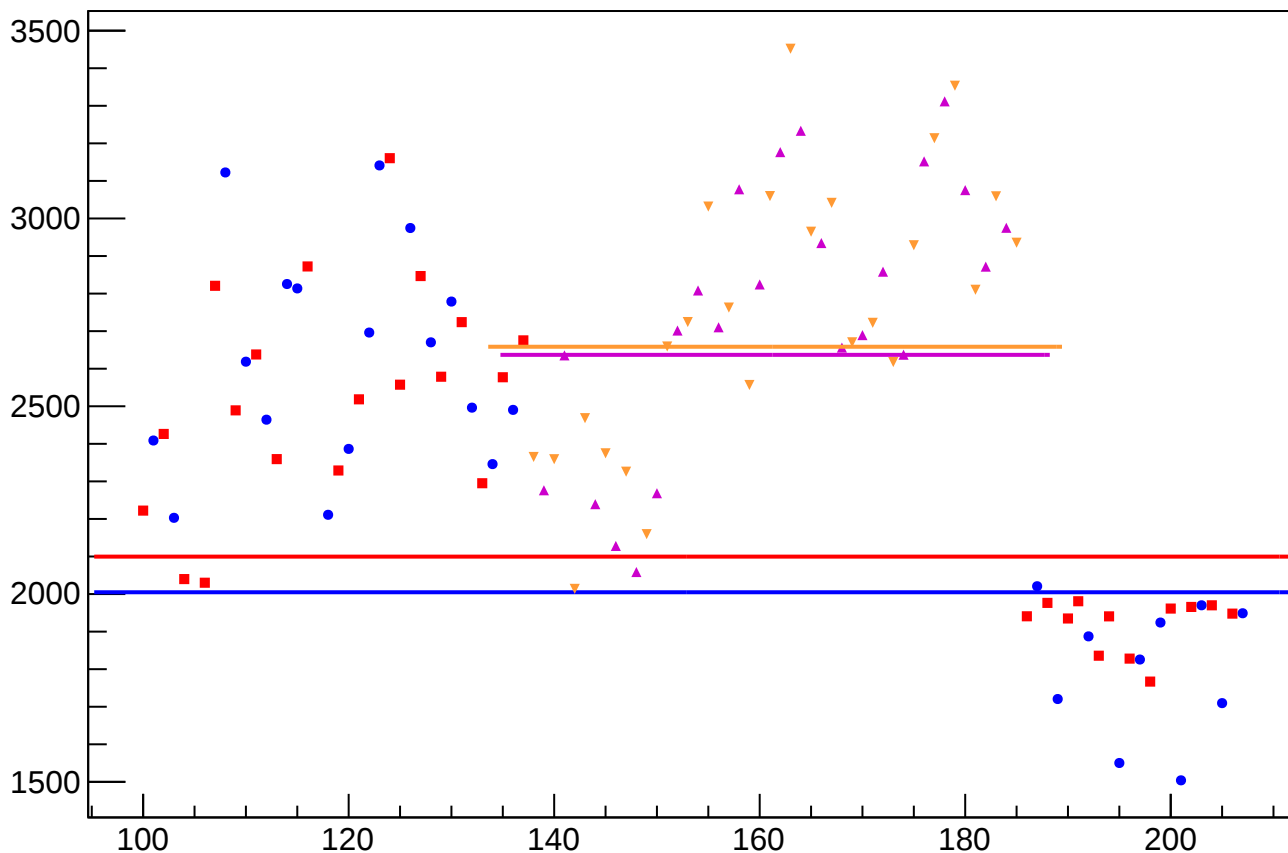
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.165 ± 0.414 χ^2/NDF : 1863.3/51

All: 0.692 ± 0.294 χ^2/NDF : 3699.9/105

- sign 1.556 ± 0.416 χ^2/NDF : 1828.1/53

diff_bpm1i06Y_rms vs Slug



Right In: 2004.799 $\pm$ 0.391 χ^2 /NDF: 1055086.0/26

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2099.695 $\pm$ 0.387 χ^2 /NDF: 624873.8/30

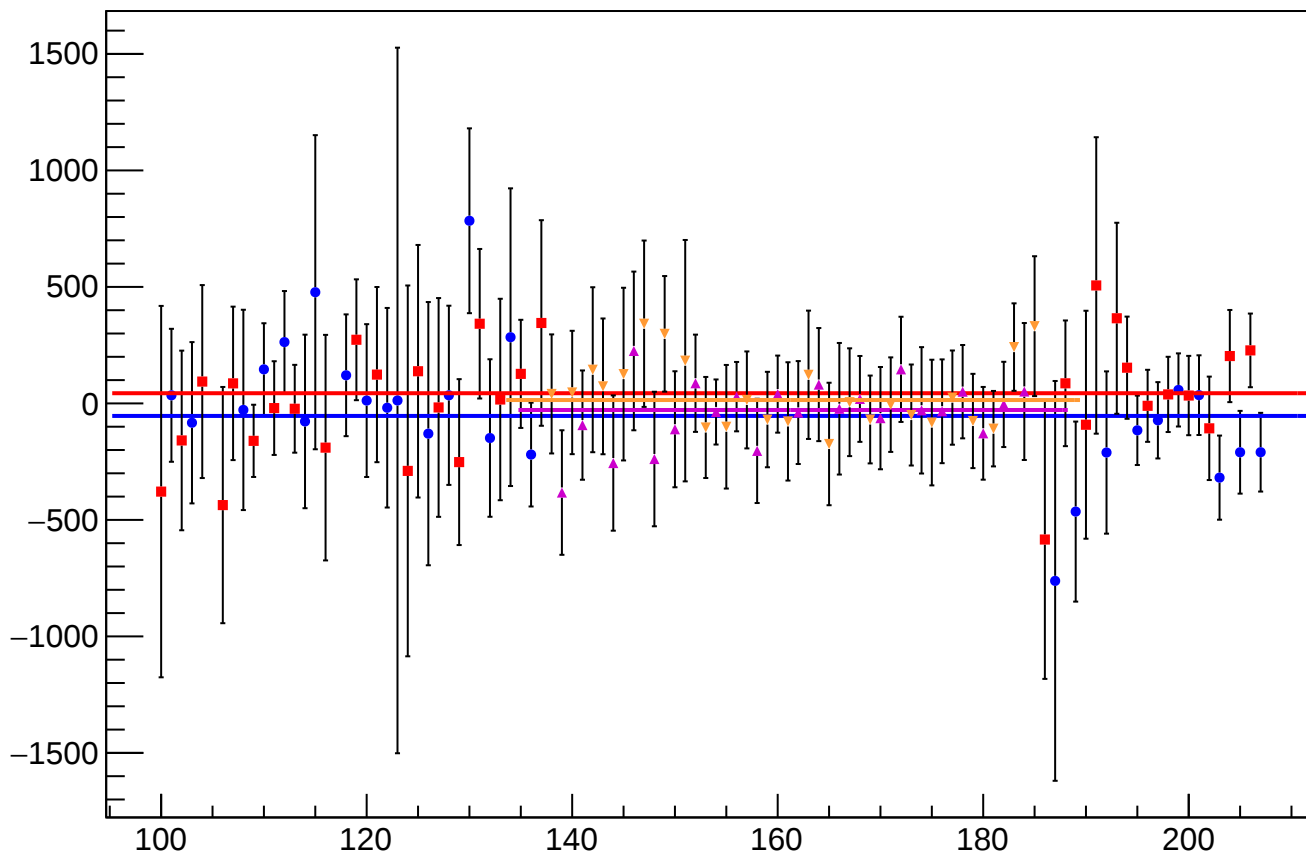
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2291.632 $\pm$ 0.293 χ^2 /NDF: 2899295.5/51

All: 2308.550 $\pm$ 0.208 χ^2 /NDF: 4995286.2/10

- sign 2325.633 $\pm$ 0.294 χ^2 /NDF: 2089288.1/53

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -53.750 $\pm$ 48.219 χ^2 /NDF: 16.5/26

Left Out: 14.520 $\pm$ 47.528 χ^2 /NDF: 7.8/24

Right Out: 43.726 $\pm$ 46.900 χ^2 /NDF: 12.1/30

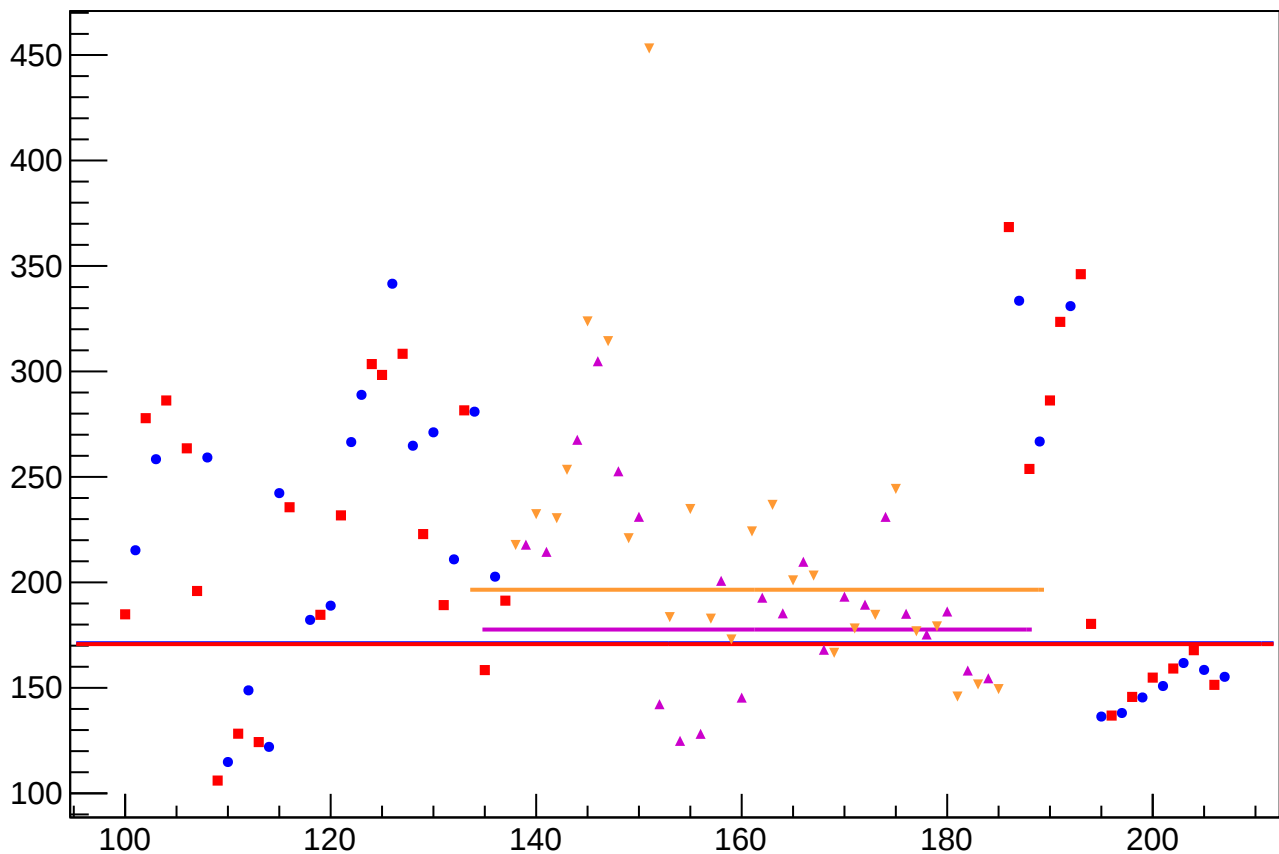
Left In: -28.310 $\pm$ 44.638 χ^2 /NDF: 6.3/22

+ sign -19.123 $\pm$ 33.849 χ^2 /NDF: 25.3/51

All: -6.023 $\pm$ 23.381 χ^2 /NDF: 45.2/105

- sign 5.930 $\pm$ 32.334 χ^2 /NDF: 19.6/53

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.143 $\pm$ 0.034 χ^2 /NDF: 2094466.0/26

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF:1789504.4/24

Right Out: 170.726 $\pm$ 0.033 χ^2 /NDF: 2773704.9/30

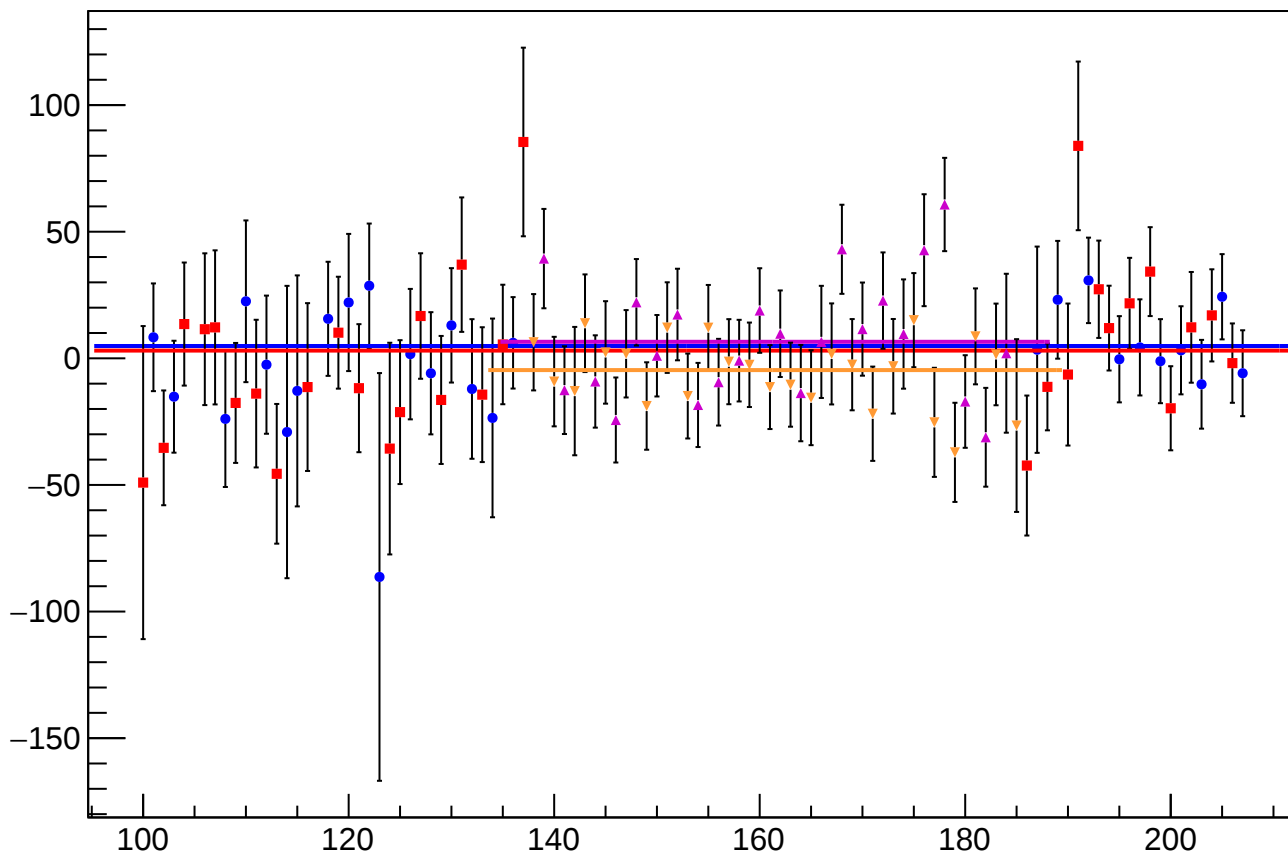
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF:1630664.5/22

+ sign 184.011 $\pm$ 0.024 χ^2 /NDF: 4164815.0/51

All: 178.962 $\pm$ 0.017 χ^2 /NDF: 8677112.2/105

- sign 174.355 $\pm$ 0.023 χ^2 /NDF: 4427196.0/53

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.867 ± 4.324 χ^2/NDF : 12.7/26

Left Out: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: 3.059 ± 4.168 χ^2/NDF : 36.5/30

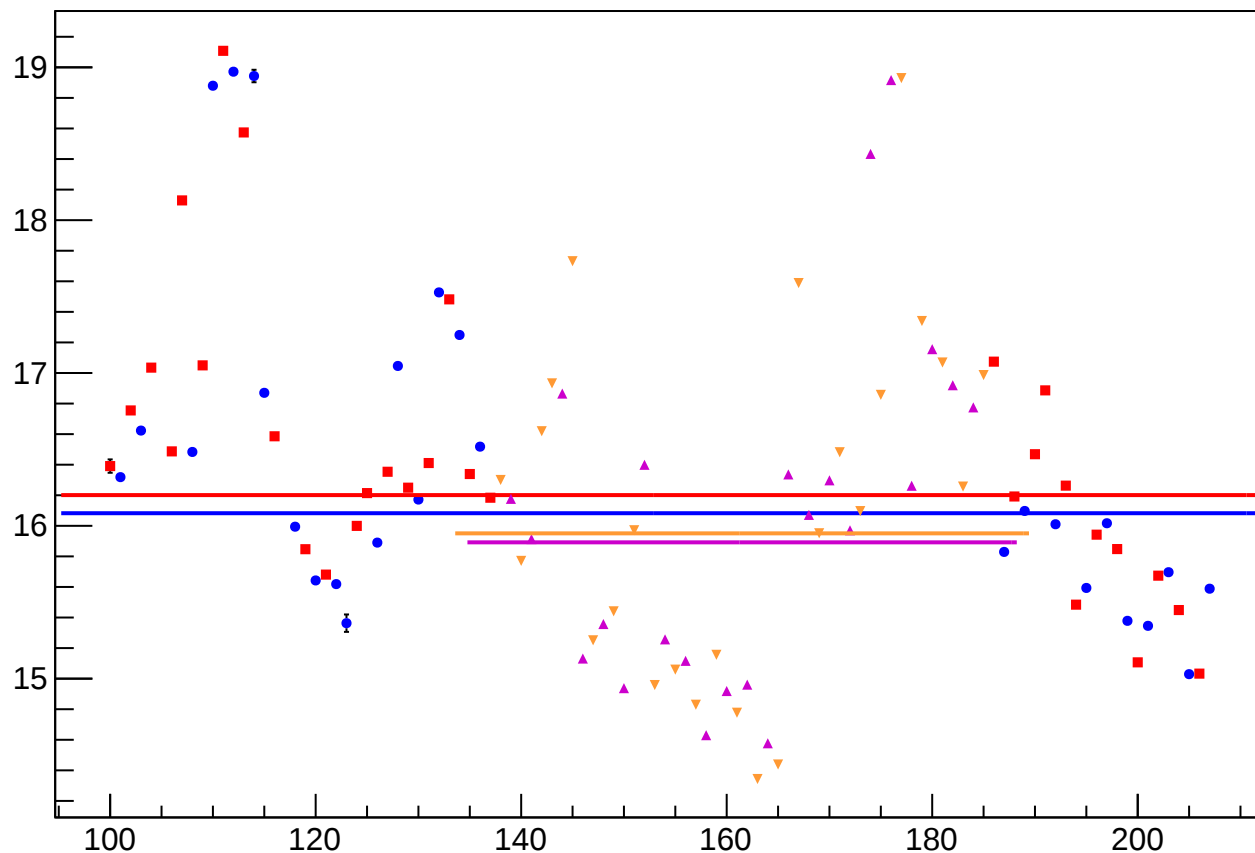
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -0.589 ± 2.823 χ^2/NDF : 27.5/51

All: 2.179 ± 1.995 χ^2/NDF : 102.7/105

- sign 4.940 ± 2.819 χ^2/NDF : 73.3/53

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.083 $\pm$ 0.003 χ^2 /NDF: 77838.3/26

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF: 173458.5/24

Right Out: 16.201 $\pm$ 0.003 χ^2 /NDF: 87945.0/30

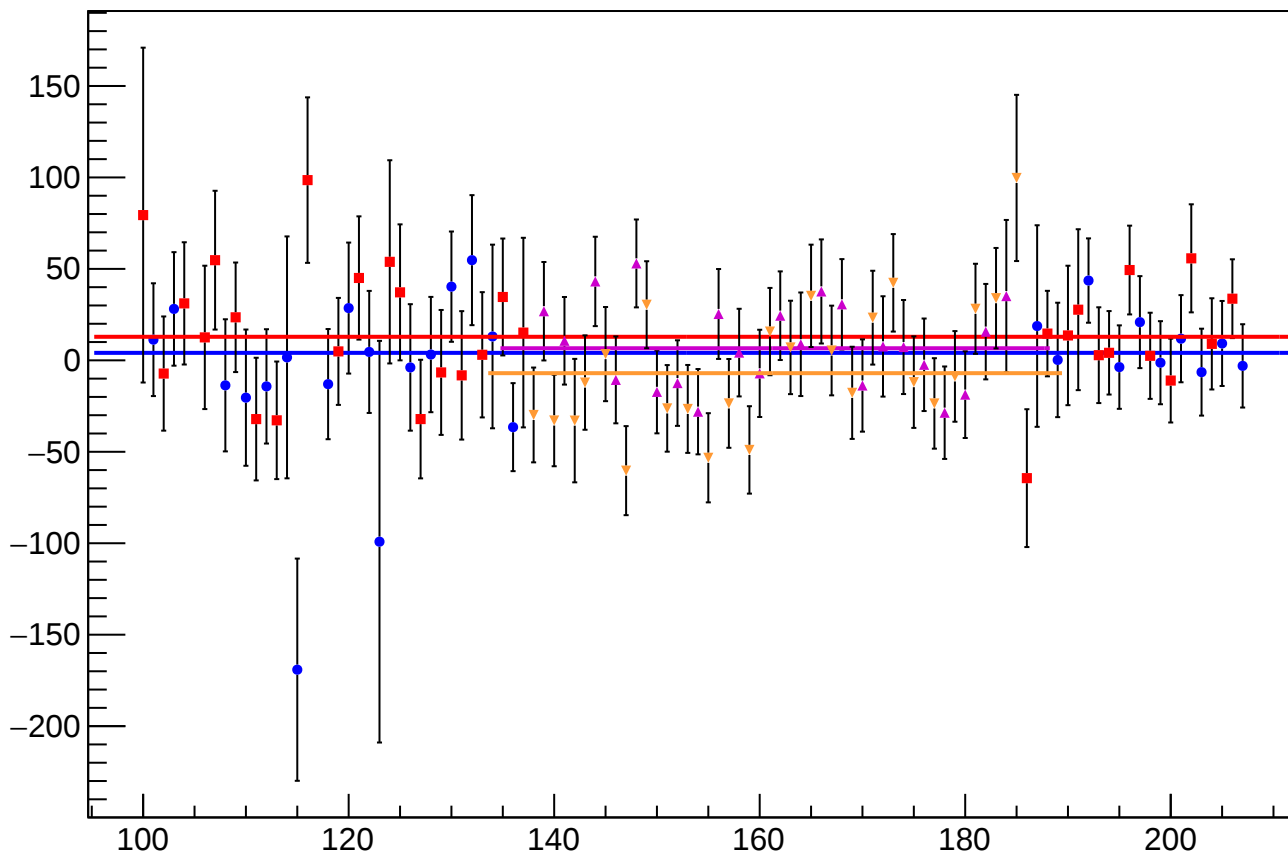
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.007 $\pm$ 0.002 χ^2 /NDF: 252362.8/51

All: 16.020 $\pm$ 0.001 χ^2 /NDF: 493458.9/105

- sign 16.033 $\pm$ 0.002 χ^2 /NDF: 241008.6/53

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.092 ± 5.792 χ^2/NDF : 22.0/26

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 12.876 ± 5.573 χ^2/NDF : 26.3/30

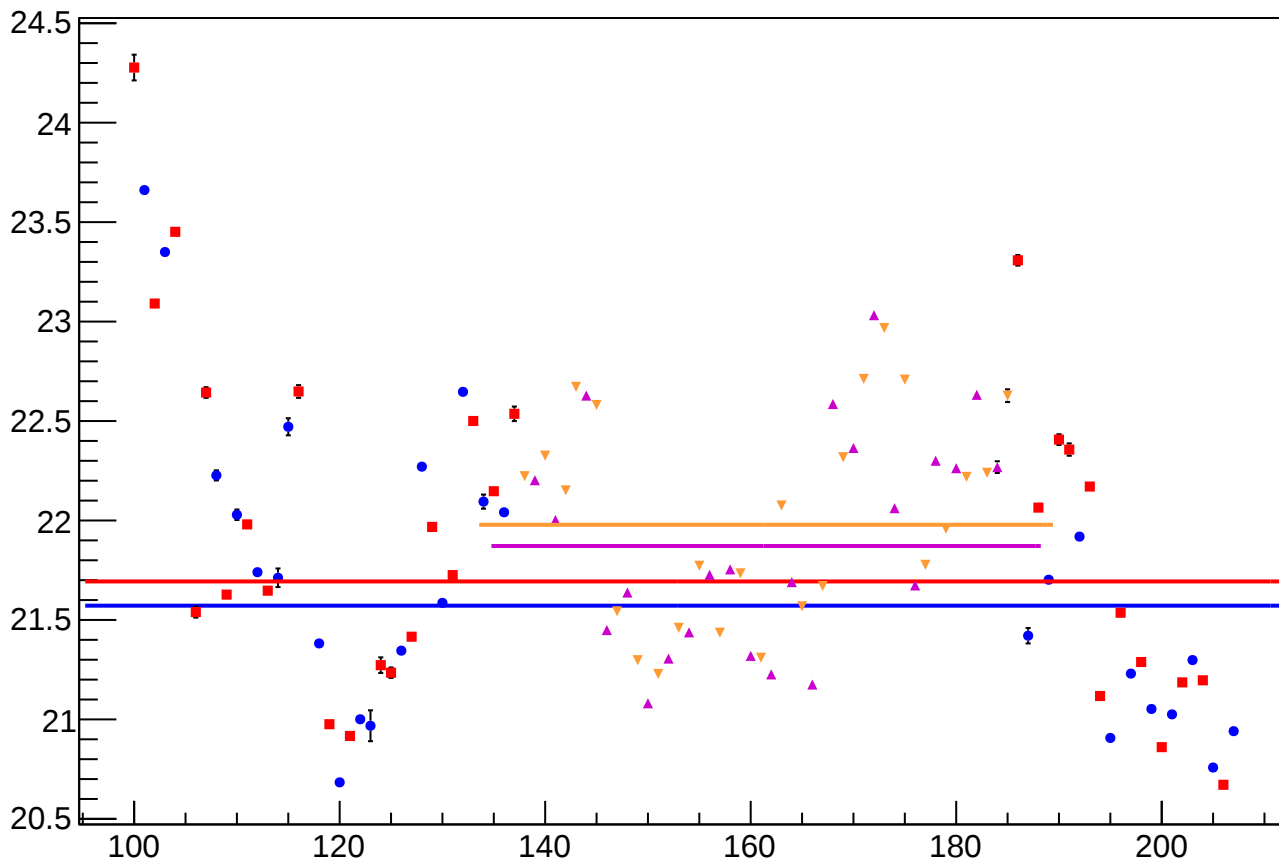
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -2.143 ± 3.837 χ^2/NDF : 61.5/51

All: 3.730 ± 2.708 χ^2/NDF : 112.3/105

- sign 9.558 ± 3.822 χ^2/NDF : 46.1/53

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.572 $\pm$ 0.004 χ^2 /NDF: 31967.6/26

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF: 19430.2/24

Right Out: 21.694 $\pm$ 0.004 χ^2 /NDF: 34948.6/30

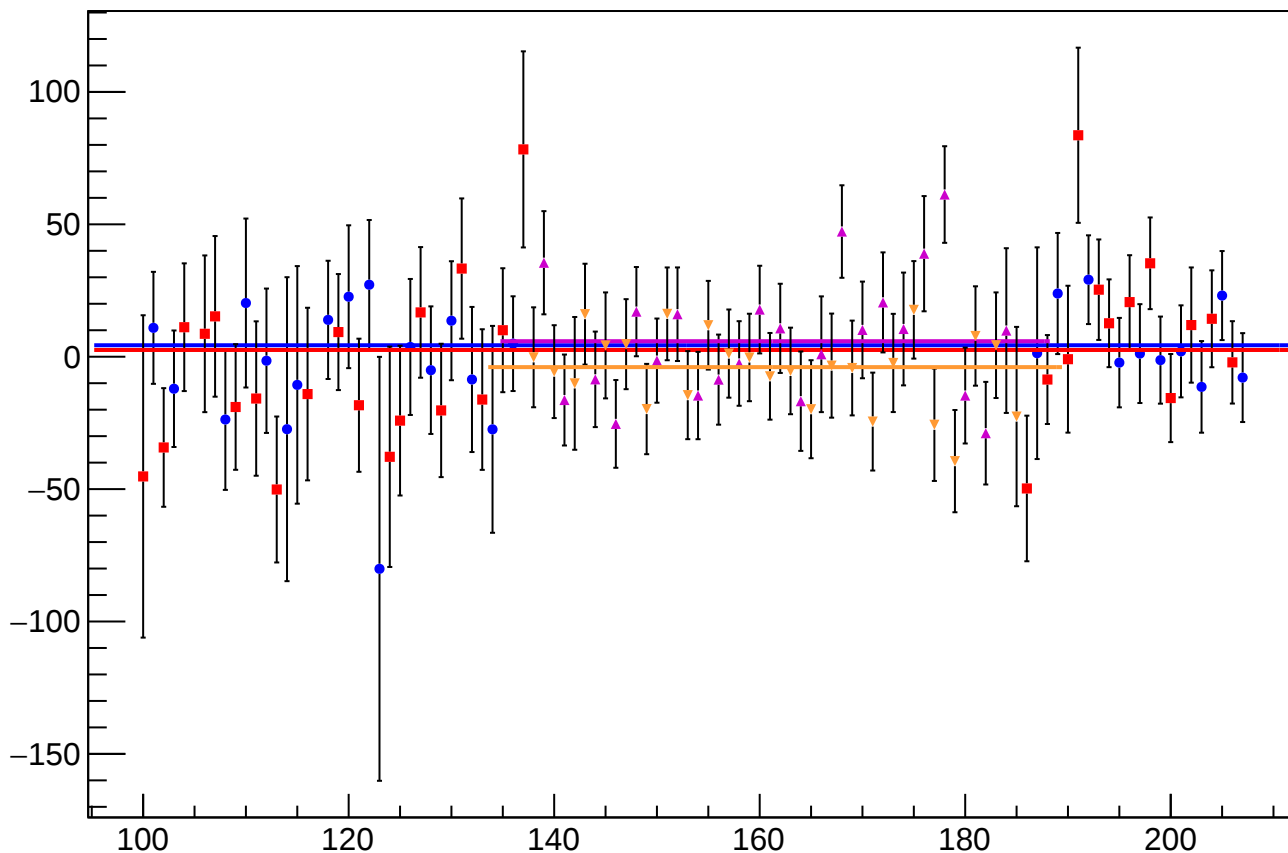
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF: 20524.9/22

+ sign 21.800 $\pm$ 0.003 χ^2 /NDF: 56929.9/51

All: 21.794 $\pm$ 0.002 χ^2 /NDF: 113496.1/105

- sign 21.788 $\pm$ 0.003 χ^2 /NDF: 56556.4/53

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.331 ± 4.292 $\chi^2/\text{NDF}: 12.2/26$

Left Out: -3.927 ± 3.688 $\chi^2/\text{NDF}: 14.0/24$

Right Out: 2.546 ± 4.138 $\chi^2/\text{NDF}: 37.1/30$

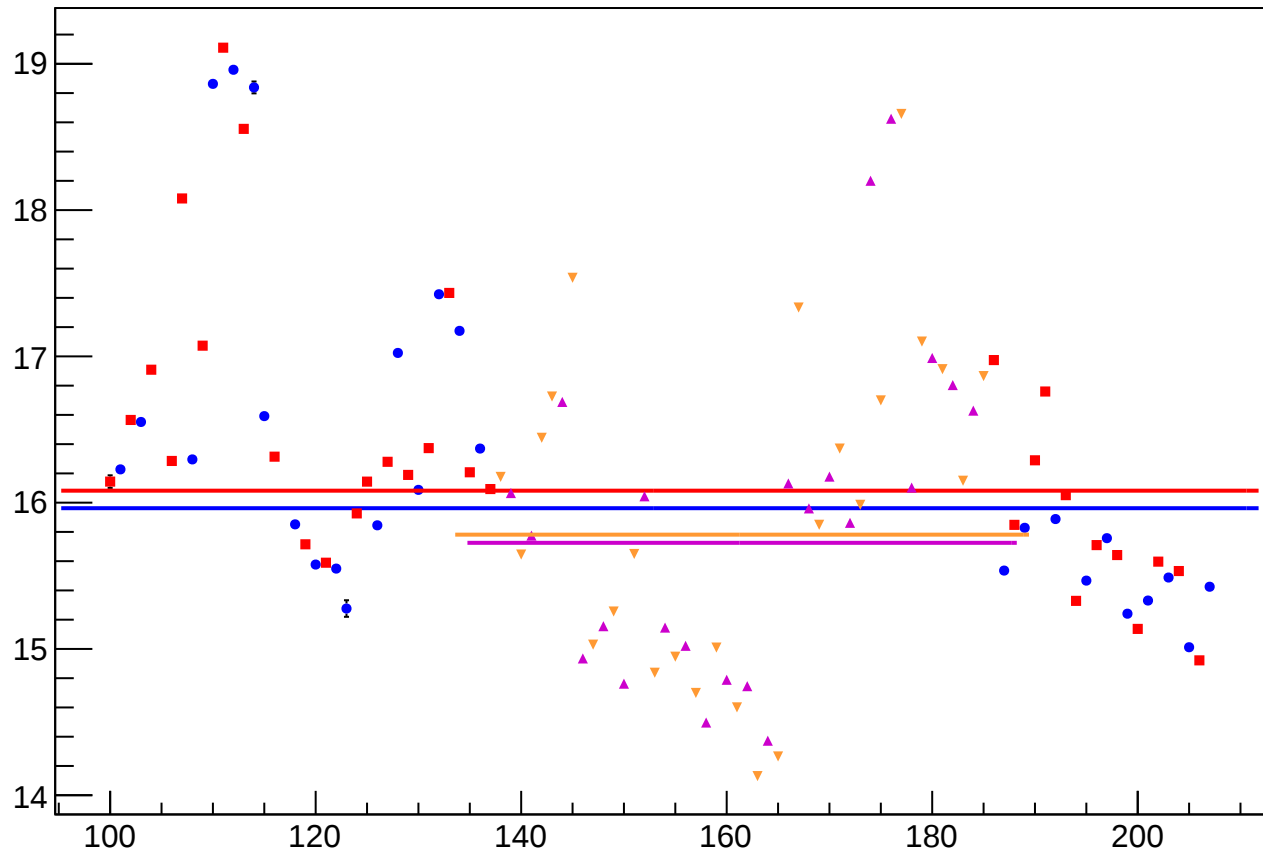
Left In: 5.861 ± 3.787 $\chi^2/\text{NDF}: 36.2/22$

+ sign -0.419 ± 2.797 $\chi^2/\text{NDF}: 28.3/51$

All: 1.968 ± 1.977 $\chi^2/\text{NDF}: 103.4/105$

- sign 4.350 ± 2.794 $\chi^2/\text{NDF}: 73.6/53$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.962 $\pm$ 0.003 χ^2 /NDF: 80730.5/26

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF:172894.3/24

Right Out: 16.082 $\pm$ 0.003 χ^2 /NDF: 90471.8/30

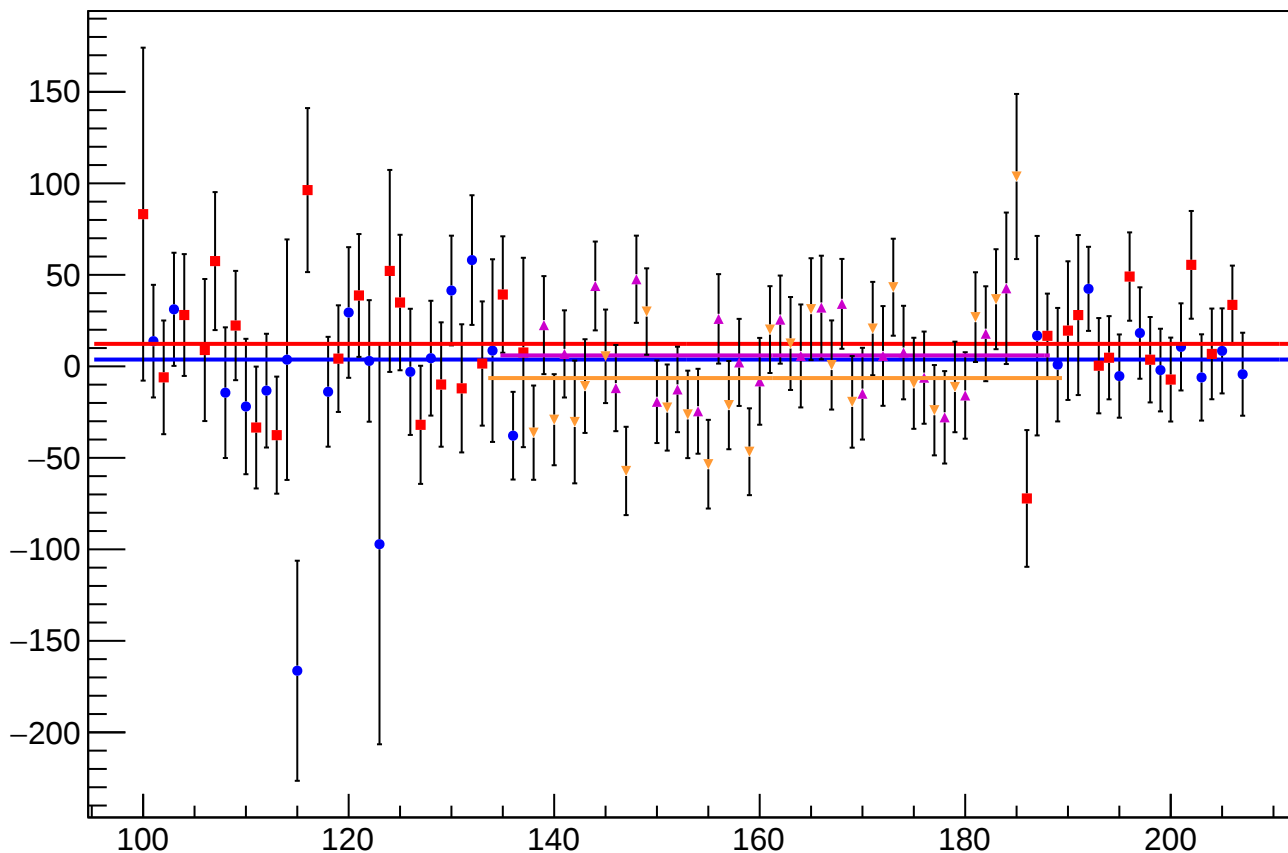
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF:145830.9/22

+ sign 15.858 $\pm$ 0.002 χ^2 /NDF: 255666.8/51

All: 15.873 $\pm$ 0.001 χ^2 /NDF: 500162.9/105

- sign 15.888 $\pm$ 0.002 χ^2 /NDF: 244382.4/53

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.718 ± 5.765 χ^2/NDF : 22.5/26

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 12.285 ± 5.543 χ^2/NDF : 27.8/30

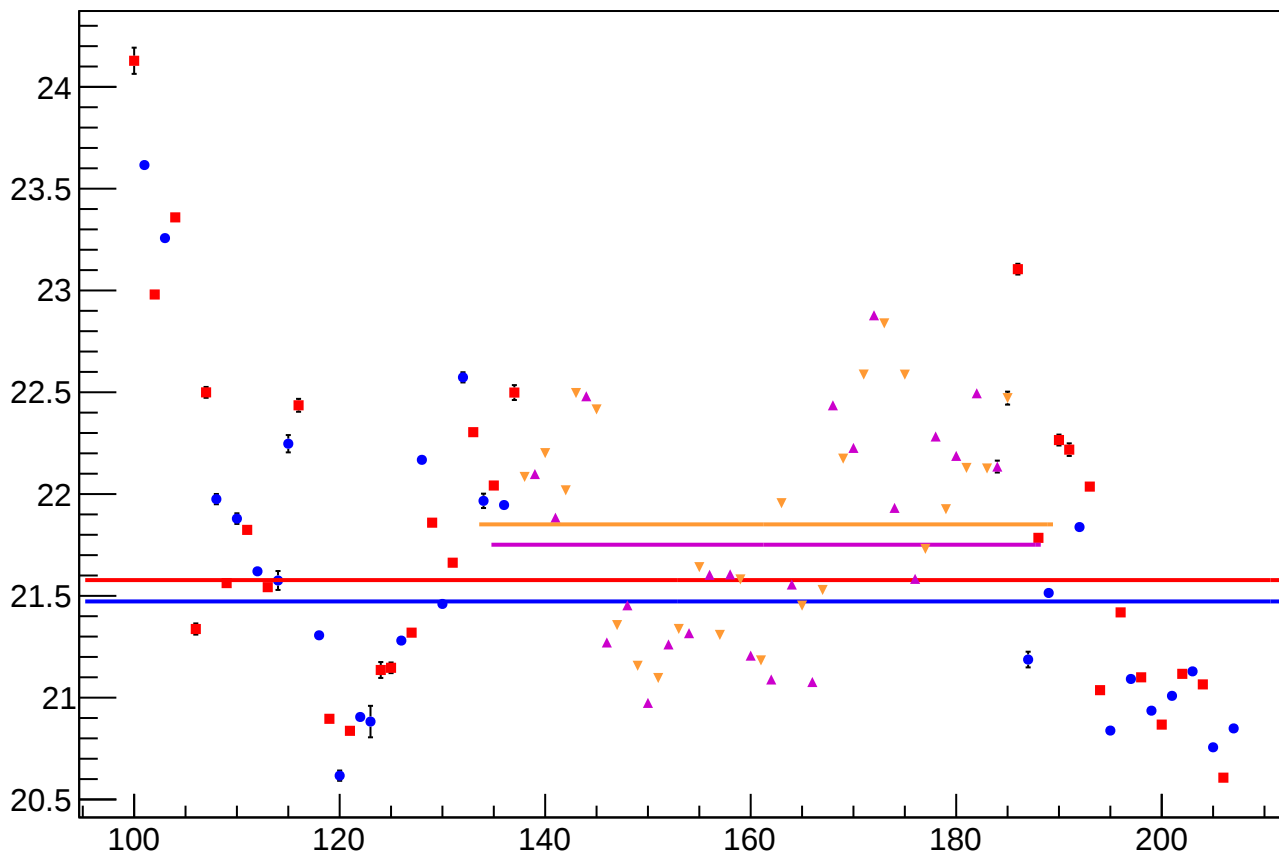
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -1.969 ± 3.816 χ^2/NDF : 61.6/51

All: 3.509 ± 2.693 χ^2/NDF : 112.7/105

- sign 8.944 ± 3.801 χ^2/NDF : 47.0/53

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.473 $\pm$ 0.004 χ^2 /NDF: 31506.1/26

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF:19631.8/24

Right Out: 21.577 $\pm$ 0.004 χ^2 /NDF: 32833.7/30

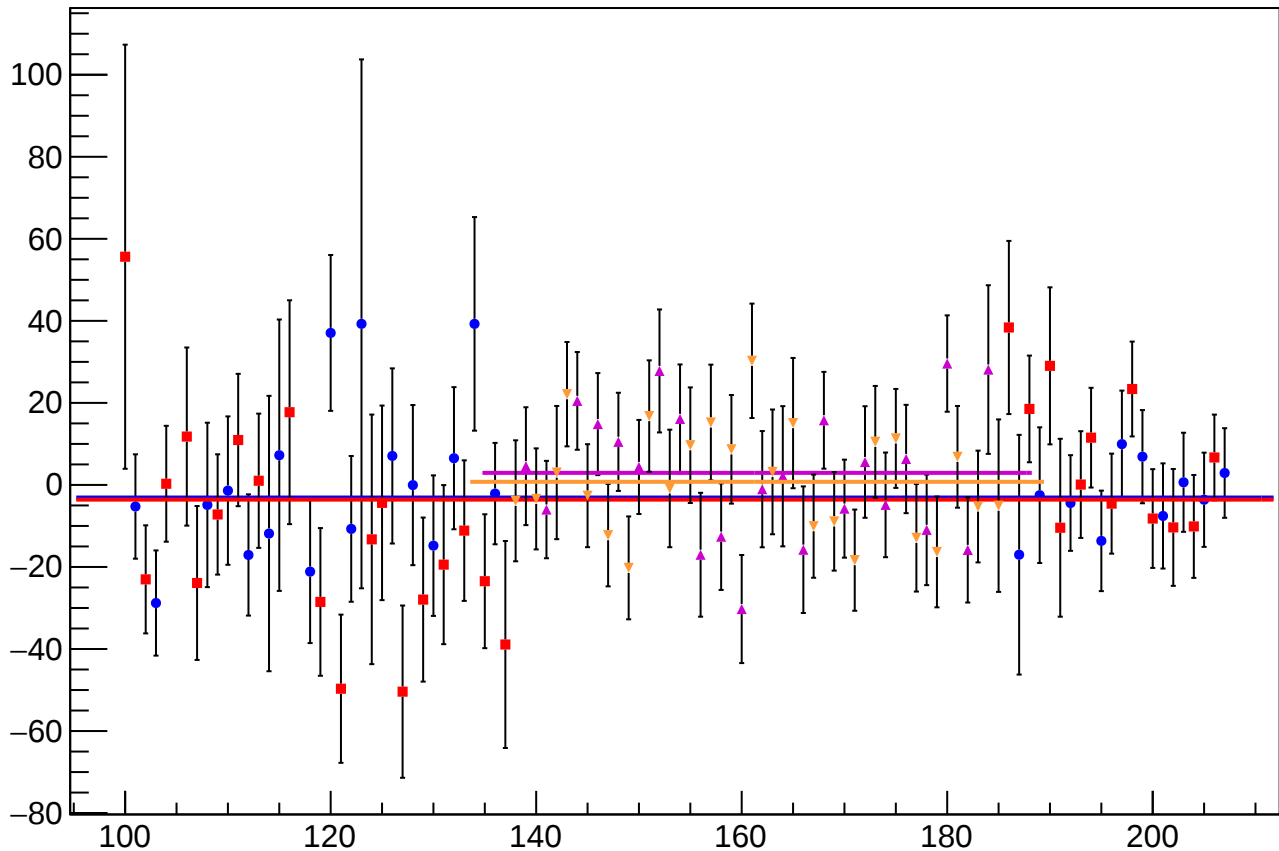
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

+ sign 21.685 $\pm$ 0.003 χ^2 /NDF: 55980.6/51

All: 21.677 $\pm$ 0.002 χ^2 /NDF: 110388.9/105

- sign 21.669 $\pm$ 0.003 χ^2 /NDF: 54391.1/53

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.070 ± 2.954 $\chi^2/\text{NDF}: 18.2/26$

Left Out: 0.759 ± 2.698 $\chi^2/\text{NDF}: 23.8/24$

Right Out: -3.581 ± 2.862 $\chi^2/\text{NDF}: 44.6/30$

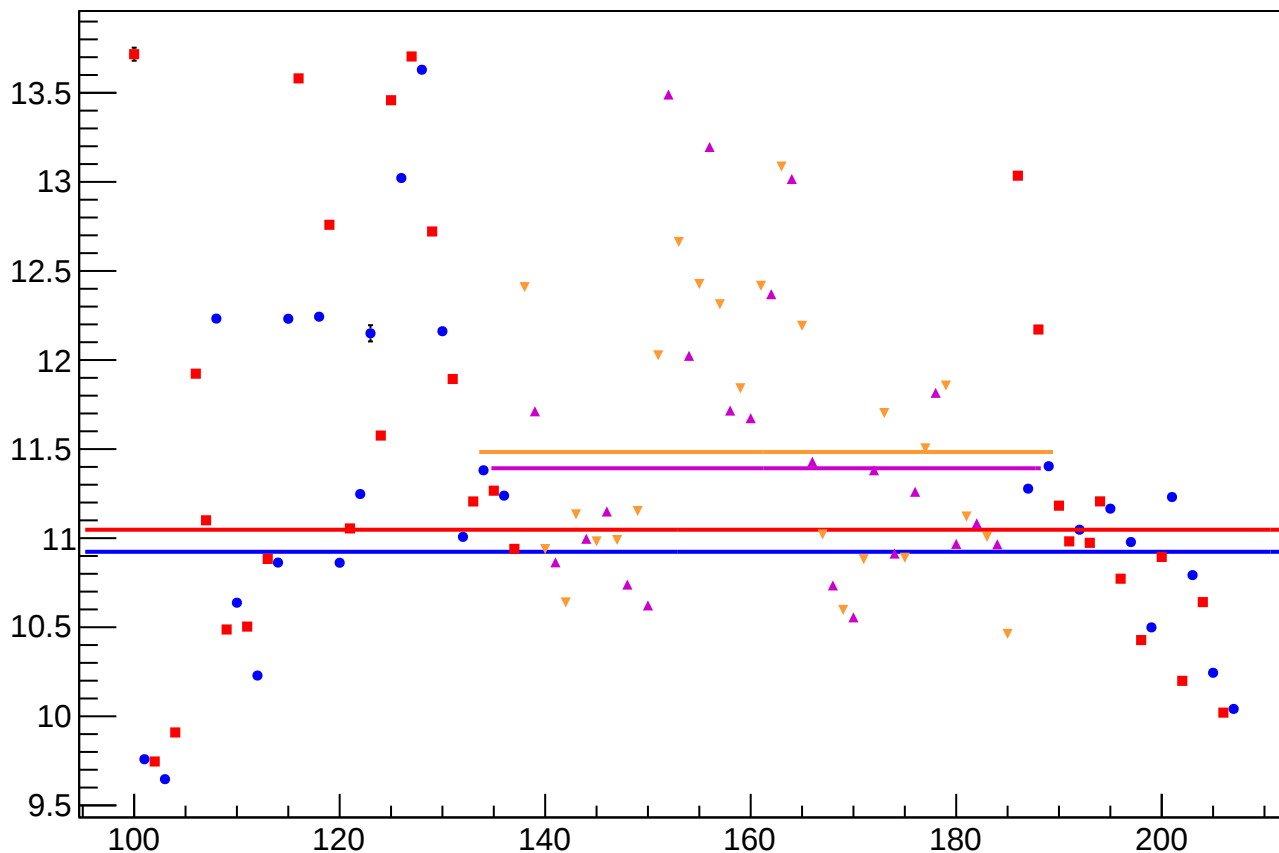
Left In: 2.944 ± 2.757 $\chi^2/\text{NDF}: 30.9/22$

+ sign -0.983 ± 1.992 $\chi^2/\text{NDF}: 43.0/51$

All: -0.589 ± 1.406 $\chi^2/\text{NDF}: 121.3/105$

- sign -0.197 ± 1.986 $\chi^2/\text{NDF}: 78.3/53$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.924 $\pm$ 0.002 χ^2/NDF : 163459.2/26

Left Out: 11.484 $\pm$ 0.002 χ^2/NDF : 129805.4/24

Right Out: 11.047 $\pm$ 0.002 χ^2/NDF : 222255.2/30

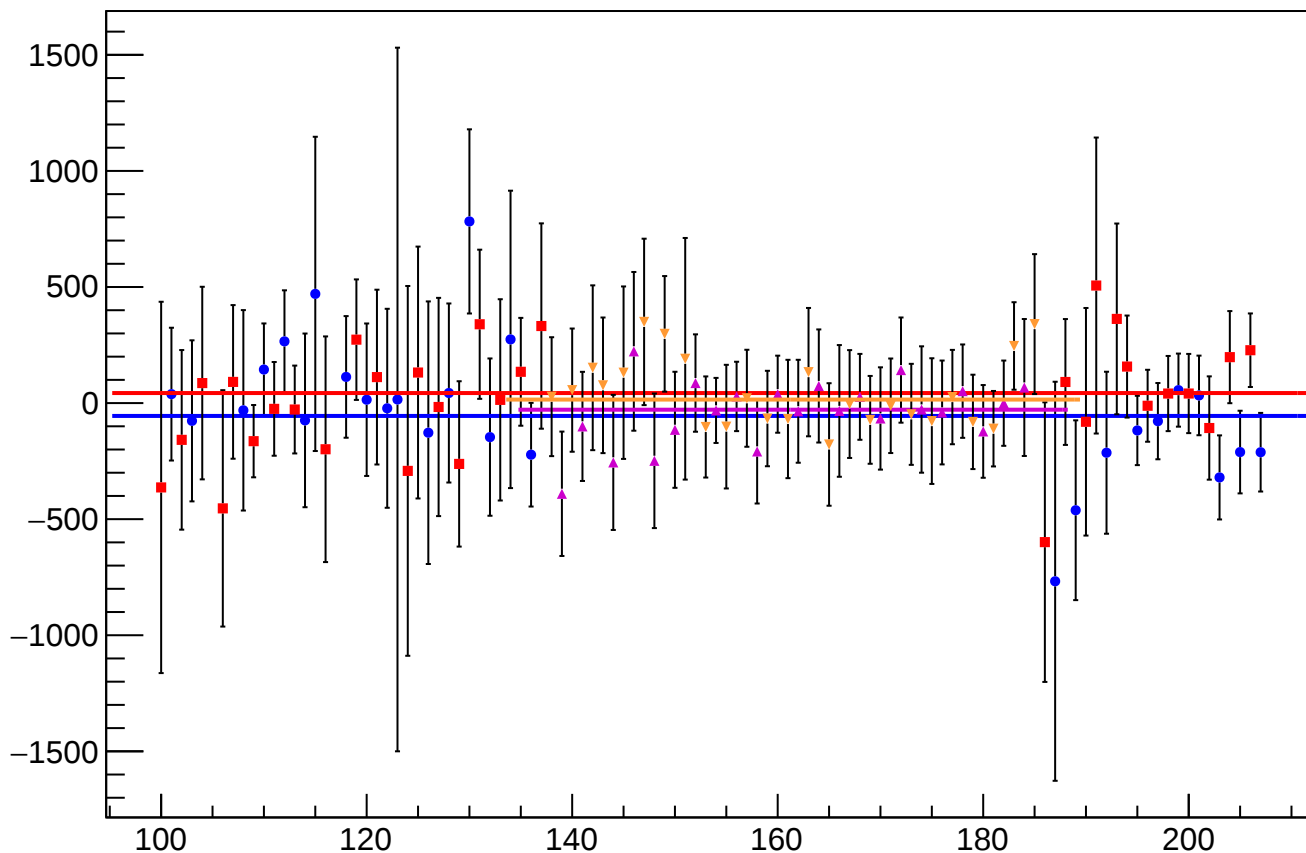
Left In: 11.392 $\pm$ 0.002 χ^2/NDF : 150493.3/22

+ sign 11.229 $\pm$ 0.001 χ^2/NDF : 332471.4/51

All: 11.228 $\pm$ 0.001 χ^2/NDF : 720297.1/105

- sign 11.226 $\pm$ 0.001 χ^2/NDF : 387823.9/53

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -55.351 ± 48.343 χ^2/NDF : 16.5/26

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 43.242 ± 47.026 χ^2/NDF : 12.2/30

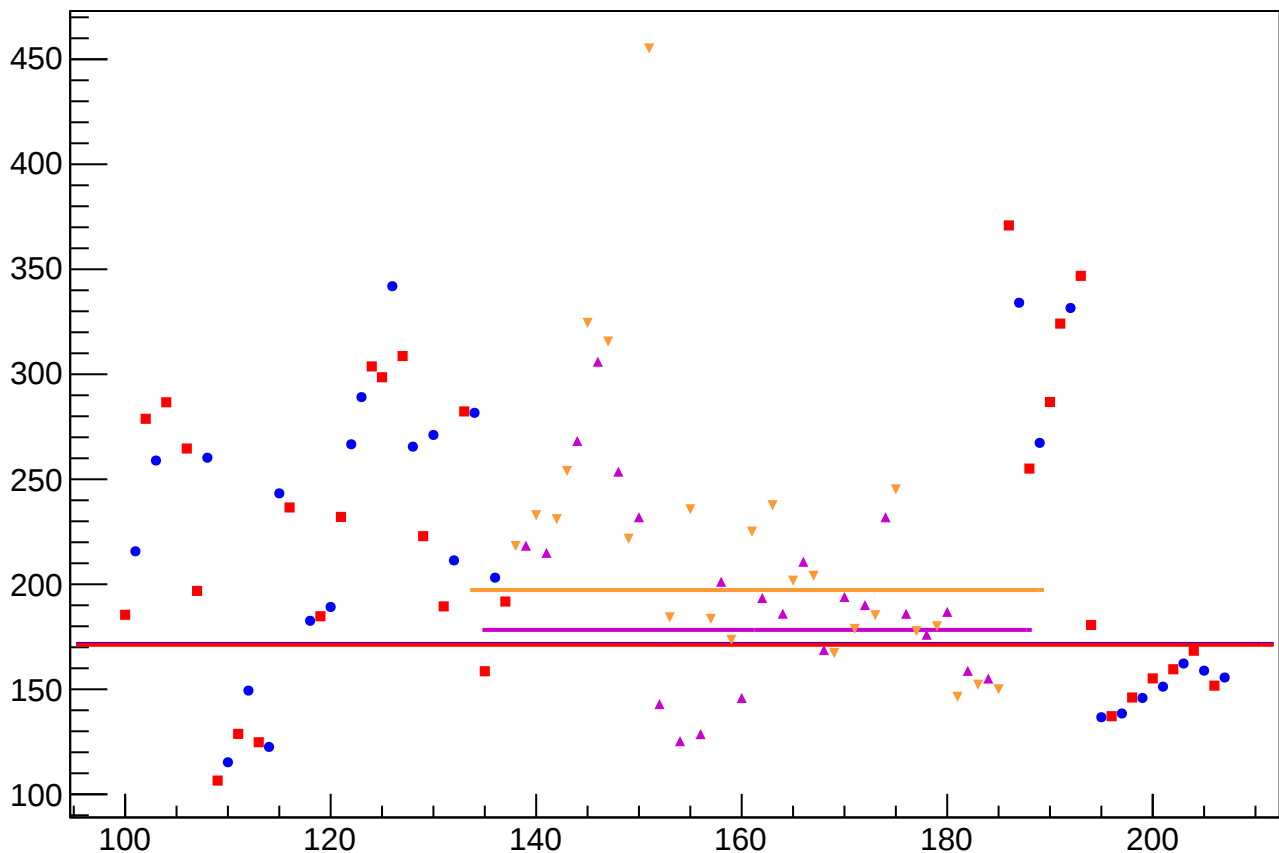
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign -19.642 ± 33.956 χ^2/NDF : 25.6/51

All: -6.428 ± 23.454 χ^2/NDF : 45.6/105

- sign 5.630 ± 32.436 χ^2/NDF : 19.8/53

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 171.600 $\pm$ 0.034 χ^2/NDF : 2089334.1/26

Left Out: 197.249 $\pm$ 0.034 χ^2/NDF : 1786808.1/24

Right Out: 171.199 $\pm$ 0.033 χ^2/NDF : 2770075.3/30

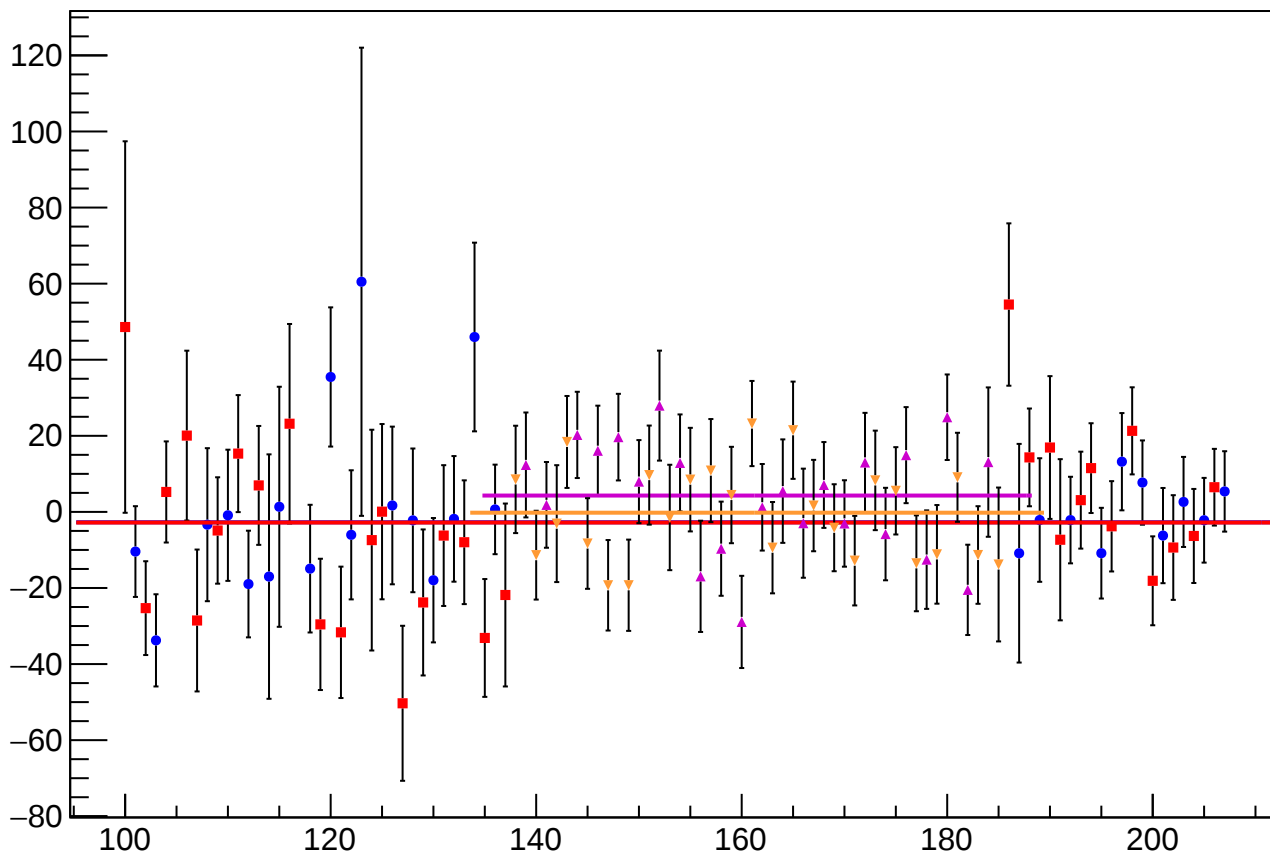
Left In: 178.277 $\pm$ 0.032 χ^2/NDF : 1628916.6/22

+ sign 184.595 $\pm$ 0.024 χ^2/NDF : 4161380.6/51

All: 179.531 $\pm$ 0.017 χ^2/NDF : 8669214.7/105

- sign 174.910 $\pm$ 0.023 χ^2/NDF : 4422747.3/53

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -2.732 ± 2.852 χ^2/NDF : 23.2/26

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -2.796 ± 2.770 χ^2/NDF : 46.2/30

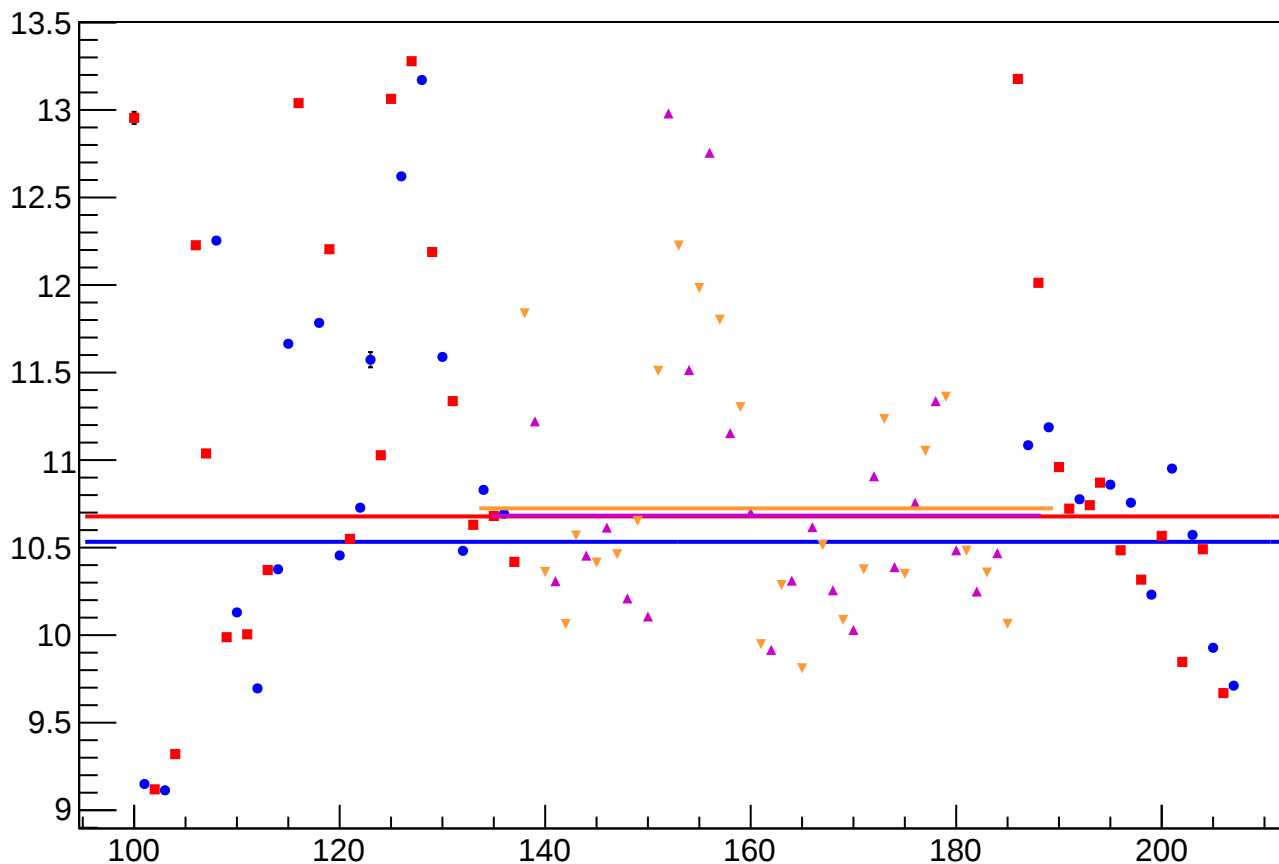
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -1.318 ± 1.890 χ^2/NDF : 48.2/51

All: -0.165 ± 1.337 χ^2/NDF : 130.2/105

- sign 0.990 ± 1.891 χ^2/NDF : 81.2/53

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.533 $\pm$ 0.002 χ^2 /NDF: 188881.3/26

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF:132558.9/24

Right Out: 10.678 $\pm$ 0.002 χ^2 /NDF: 259051.8/30

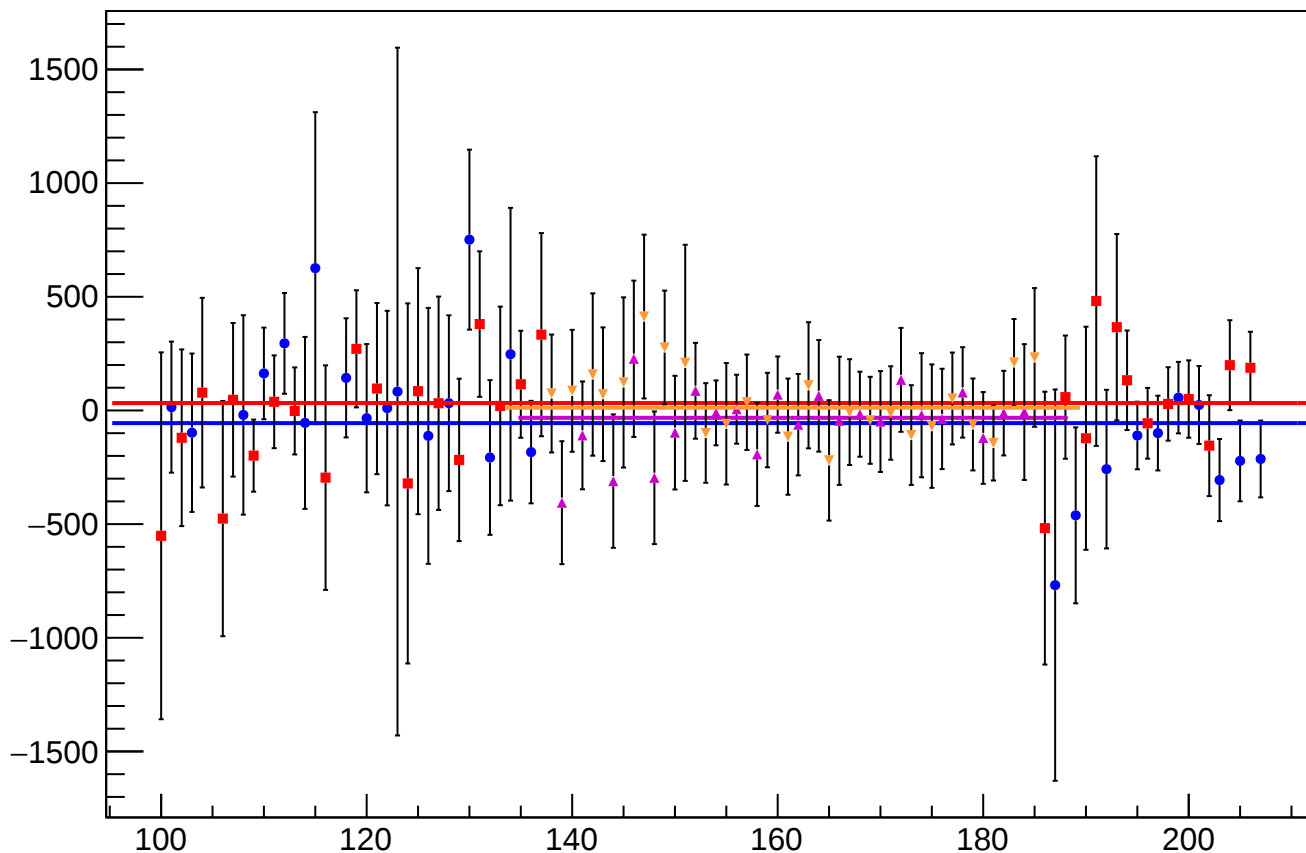
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF:147835.6/22

+ sign 10.640 $\pm$ 0.001 χ^2 /NDF: 326479.5/51

All: 10.660 $\pm$ 0.001 χ^2 /NDF: 733823.8/105

- sign 10.681 $\pm$ 0.001 χ^2 /NDF: 406890.2/53

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -55.686 ± 48.416 χ^2/NDF : 17.0/26

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 32.662 ± 47.196 χ^2/NDF : 12.6/30

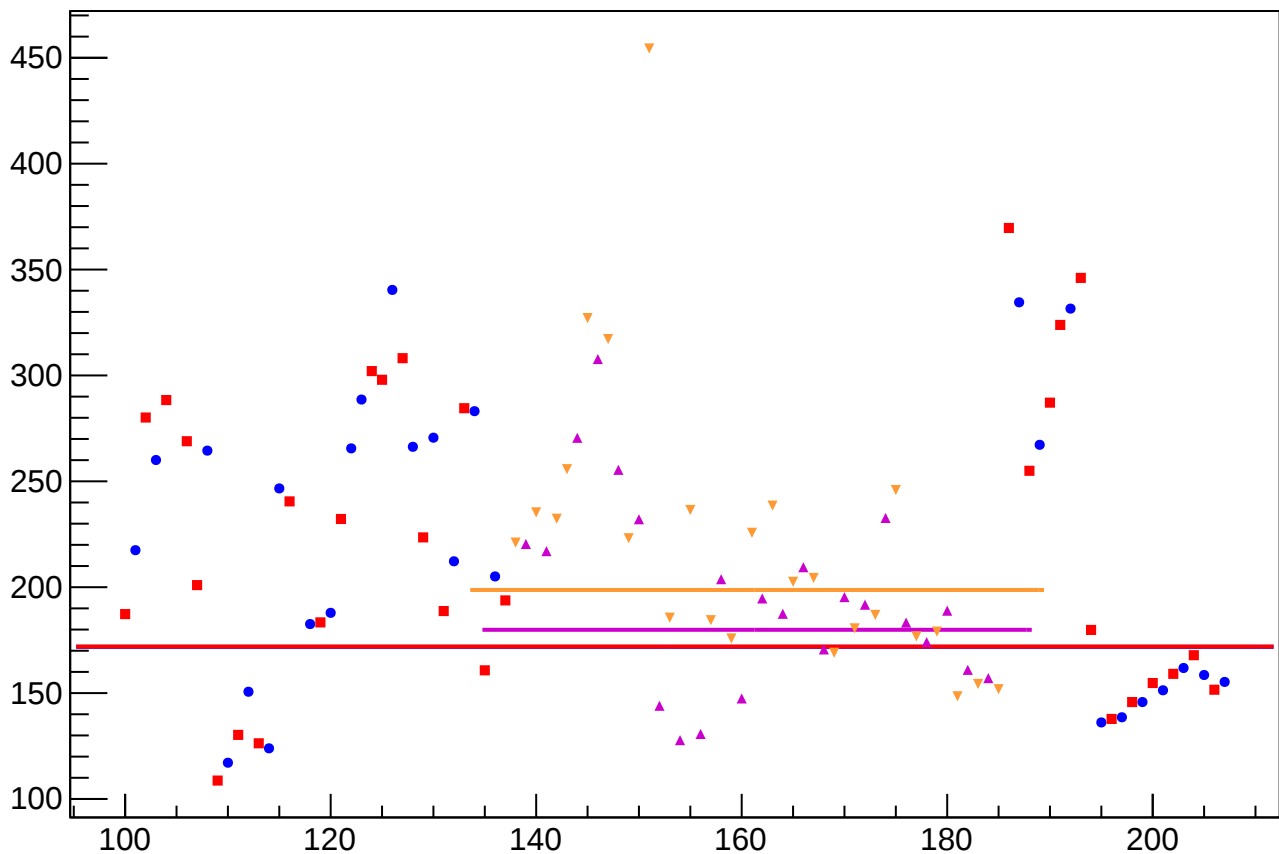
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign -21.622 ± 34.095 χ^2/NDF : 25.7/51

All: -11.021 ± 23.573 χ^2/NDF : 46.4/105

- sign -1.313 ± 32.627 χ^2/NDF : 20.5/53

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.856+/-0.034 χ^2/NDF : 2089296.9/26

Left Out: 198.695+/-0.034 χ^2/NDF : 1759311.9/24

Right Out: 171.977+/-0.033 χ^2/NDF : 2728236.3/30

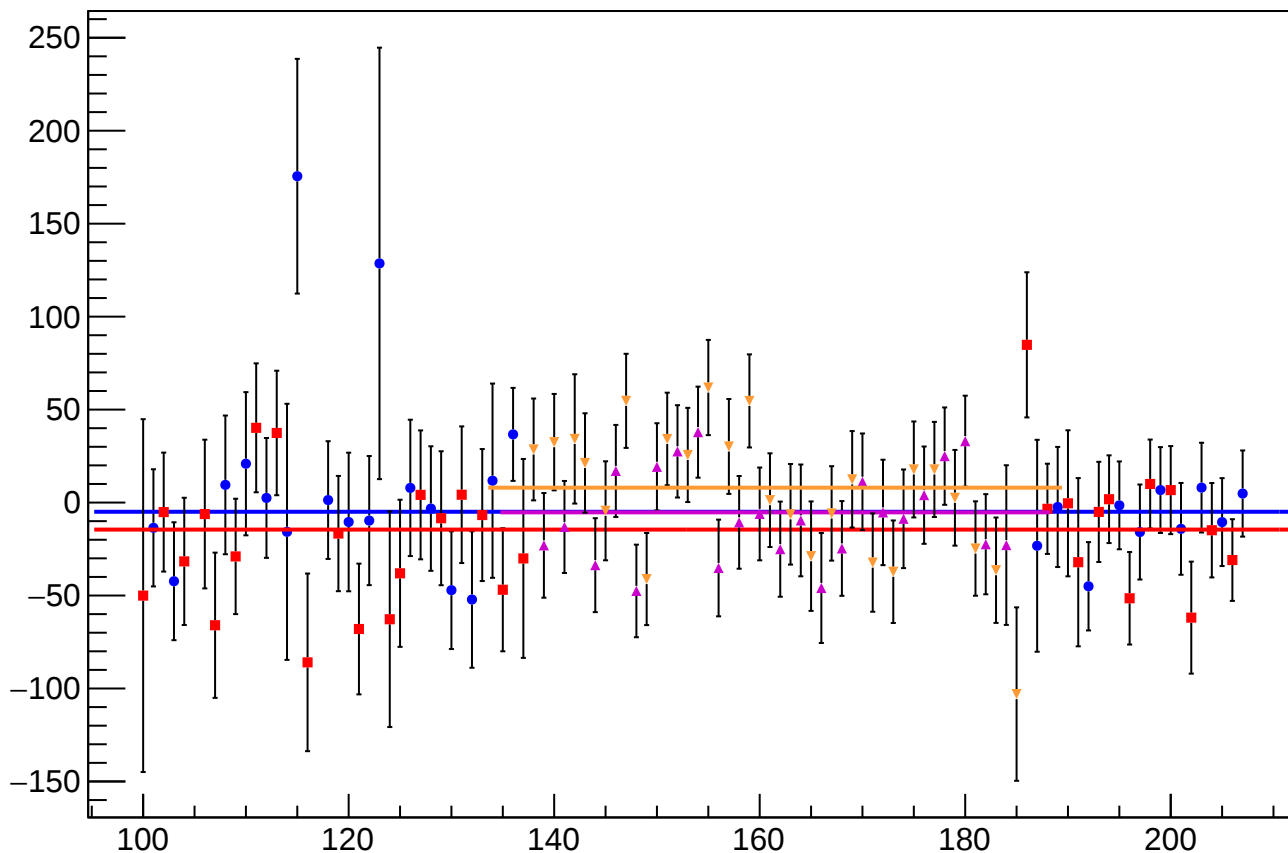
Left In: 179.886+/-0.032 χ^2/NDF : 1580636.4/22

+ sign 185.385+/-0.024 χ^2/NDF : 4158412.1/51

All: 180.542+/-0.017 χ^2/NDF : 8573931.2/105

- sign 176.106+/-0.023 χ^2/NDF : 4338199.9/53

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.953 ± 5.973 χ^2/NDF : 22.2/26

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -14.536 ± 5.759 χ^2/NDF : 29.3/30

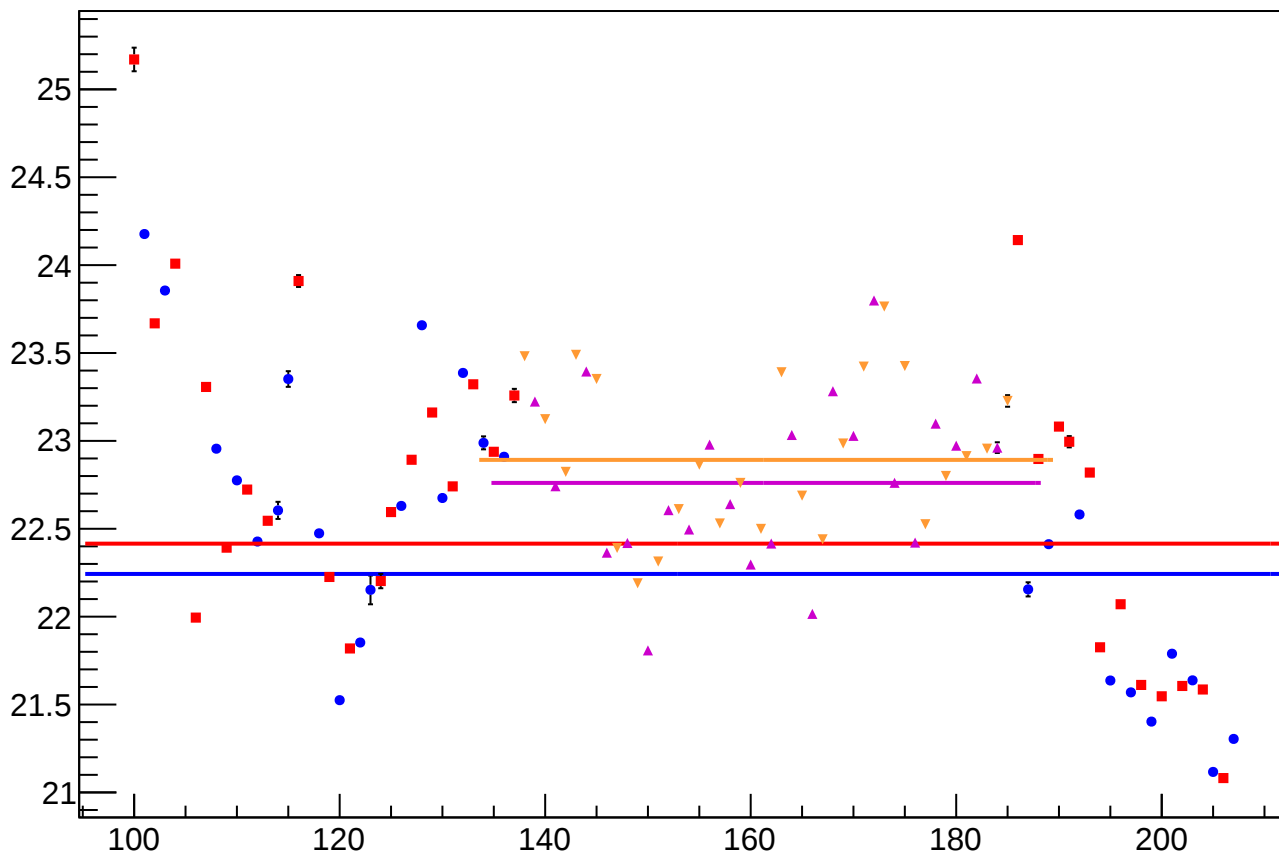
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 2.255 ± 3.979 χ^2/NDF : 62.3/51

All: -3.722 ± 2.808 χ^2/NDF : 118.2/105

- sign -9.655 ± 3.964 χ^2/NDF : 51.4/53

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.243 $\pm$ 0.004 χ^2 /NDF: 39173.2/26

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF: 12995.5/24

Right Out: 22.415 $\pm$ 0.004 χ^2 /NDF: 40510.1/30

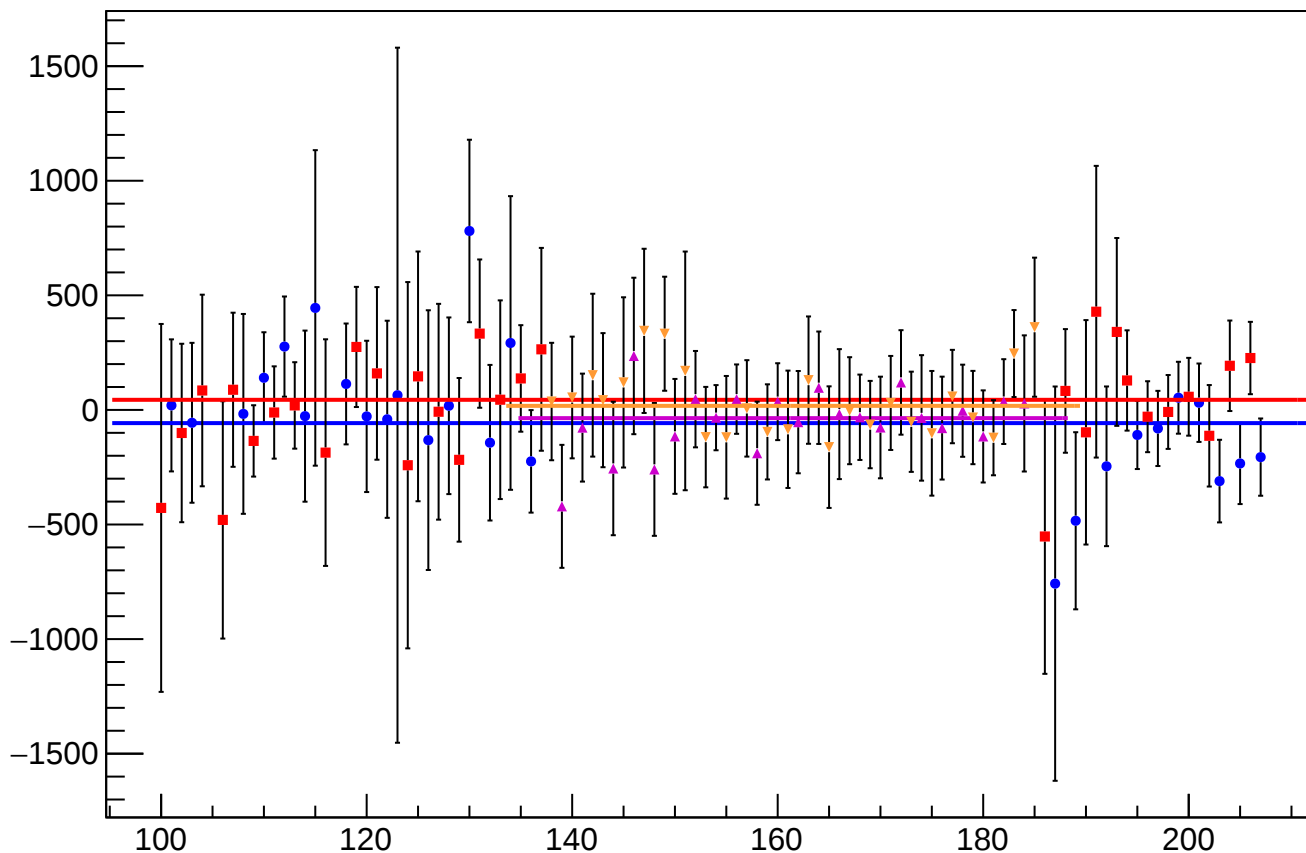
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF: 14550.0/22

+ sign 22.604 $\pm$ 0.003 χ^2 /NDF: 65301.1/51

All: 22.601 $\pm$ 0.002 χ^2 /NDF: 124153.6/105

- sign 22.597 $\pm$ 0.003 χ^2 /NDF: 58849.6/53

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -57.542 ± 48.278 χ^2/NDF : 16.6/26

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 44.100 ± 46.980 χ^2/NDF : 10.8/30

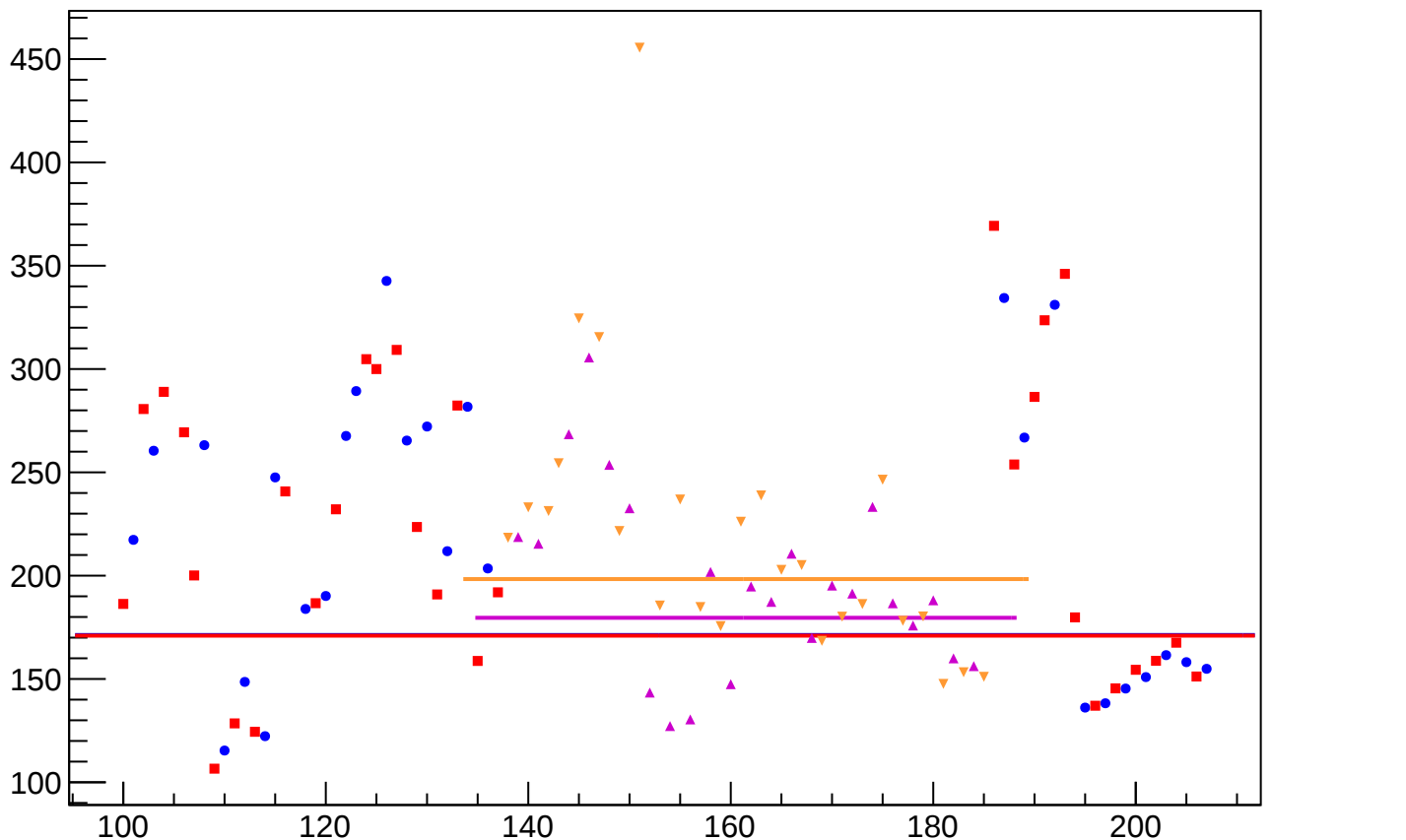
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign -19.620 ± 34.018 χ^2/NDF : 26.4/51

All: -8.083 ± 23.511 χ^2/NDF : 45.2/105

- sign 2.467 ± 32.530 χ^2/NDF : 18.7/53

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.277 $\pm$ 0.034 χ^2 /NDF: 2119393.8/26

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF:1757450.6/24

Right Out: 170.964 $\pm$ 0.033 χ^2 /NDF: 2797642.9/30

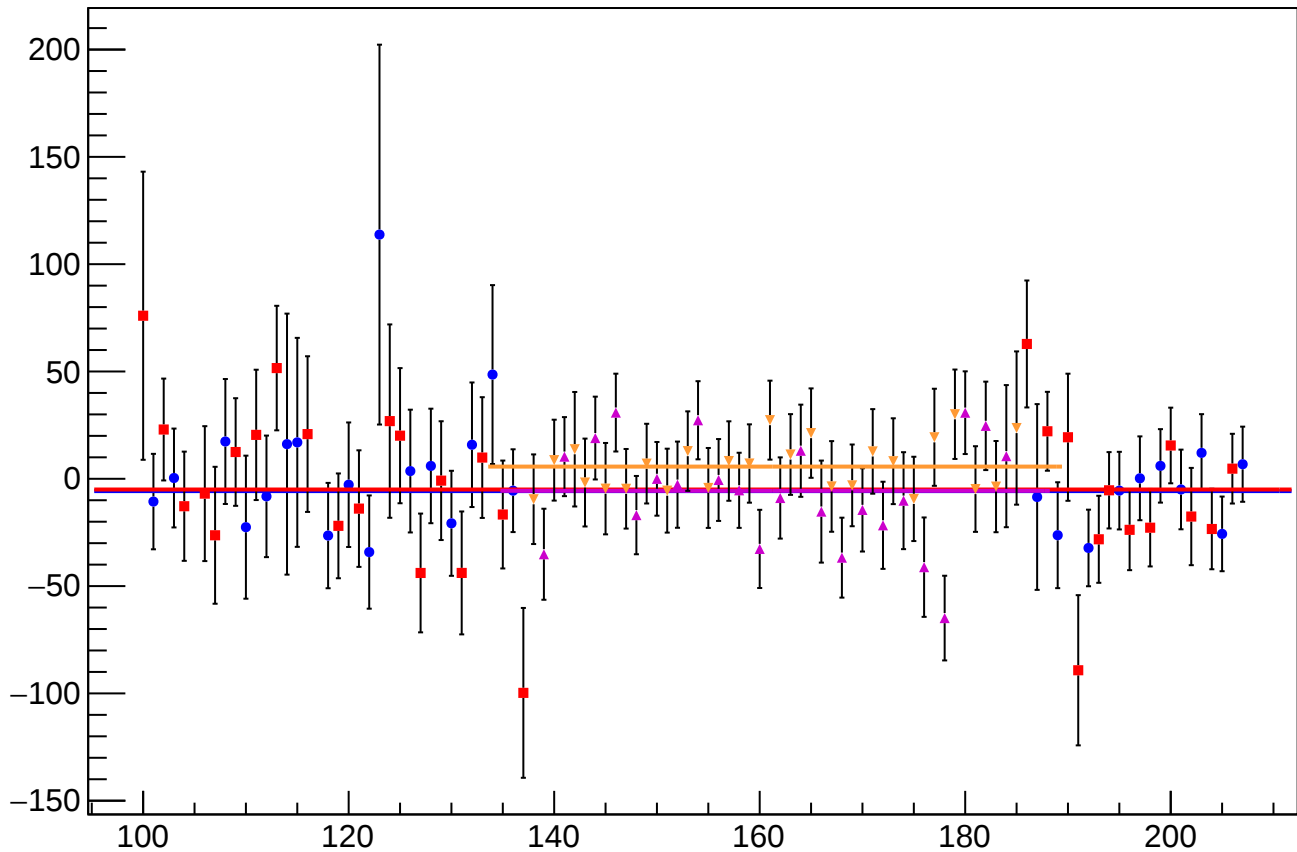
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF:1575744.0/22

+ sign 184.905 $\pm$ 0.024 χ^2 /NDF: 4193355.2/51

All: 179.973 $\pm$ 0.017 χ^2 /NDF: 8682462.5/105

- sign 175.462 $\pm$ 0.023 χ^2 /NDF: 4408606.8/53

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.740 ± 4.562 χ^2/NDF : 14.3/26

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -4.994 ± 4.412 χ^2/NDF : 40.8/30

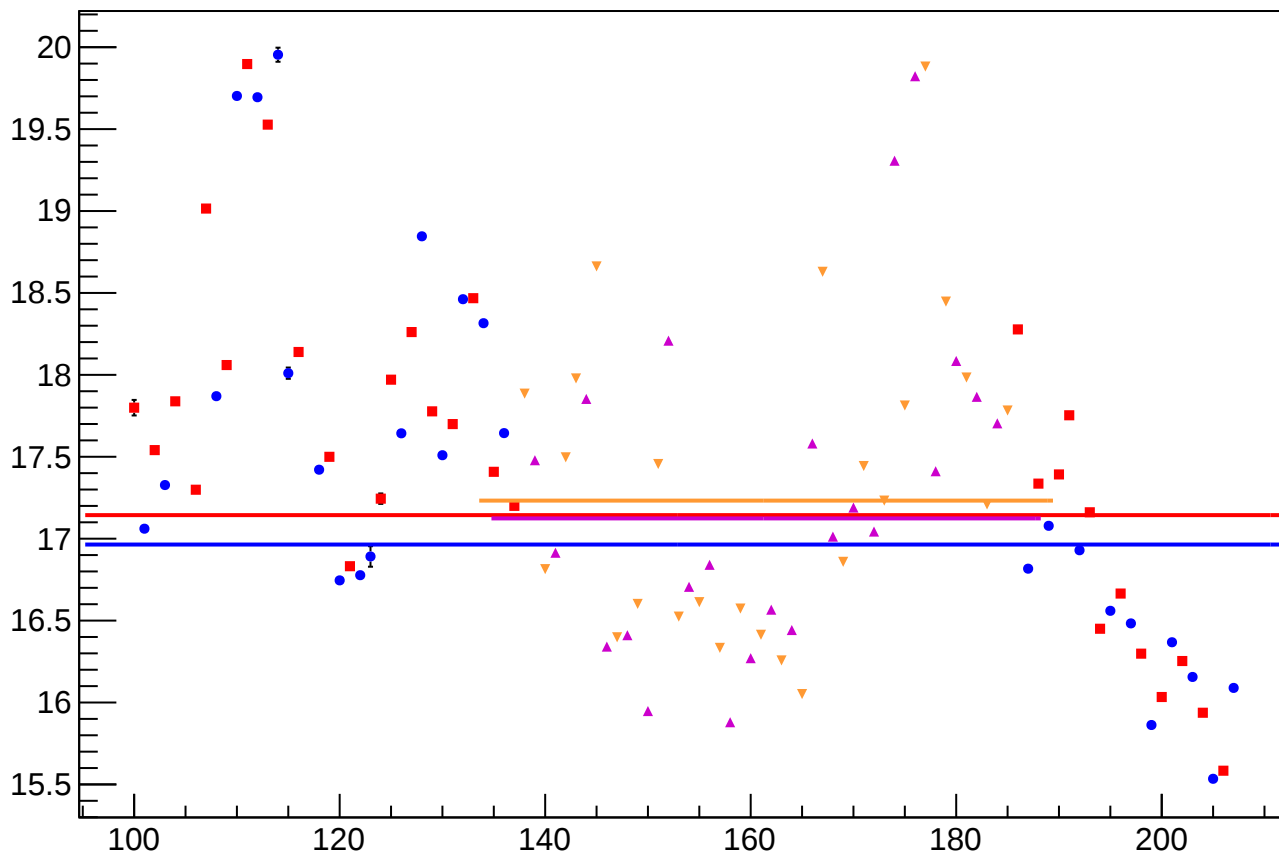
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 0.684 ± 3.018 χ^2/NDF : 25.5/51

All: -2.321 ± 2.132 χ^2/NDF : 104.8/105

- sign -5.315 ± 3.012 χ^2/NDF : 77.2/53

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.964 $\pm$ 0.003 χ^2 /NDF: 98368.6/26

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF:98701.0/24

Right Out: 17.144 $\pm$ 0.003 χ^2 /NDF: 105463.2/30

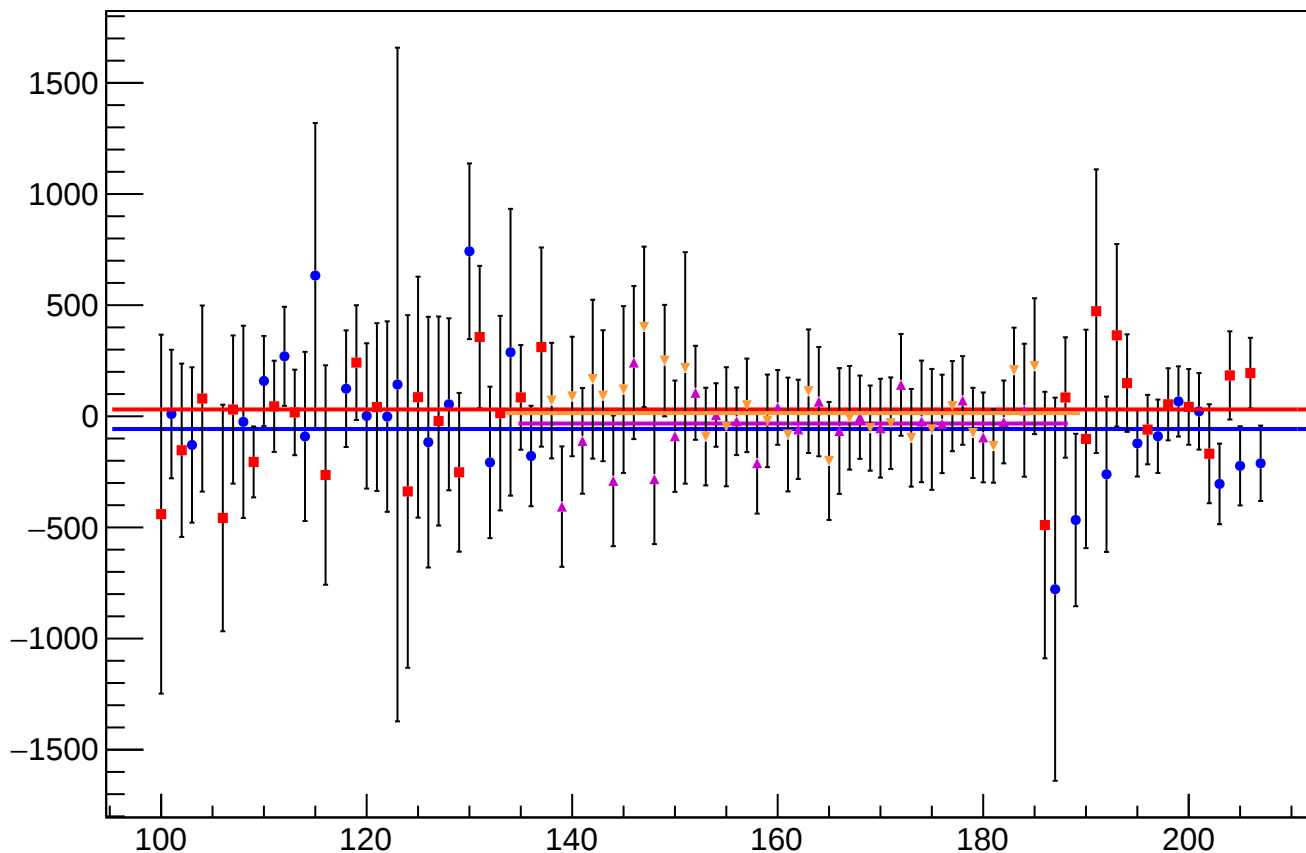
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF:100747.0/22

+ sign 17.115 $\pm$ 0.002 χ^2 /NDF: 200957.4/51

All: 17.124 $\pm$ 0.002 χ^2 /NDF: 407225.2/105

- sign 17.133 $\pm$ 0.002 χ^2 /NDF: 206232.3/53

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -57.279 $\pm$ 48.561 χ^2 /NDF: 16.7/26

Left Out: 14.362 $\pm$ 48.130 χ^2 /NDF: 6.9/24

Right Out: 30.791 $\pm$ 47.313 χ^2 /NDF: 12.2/30

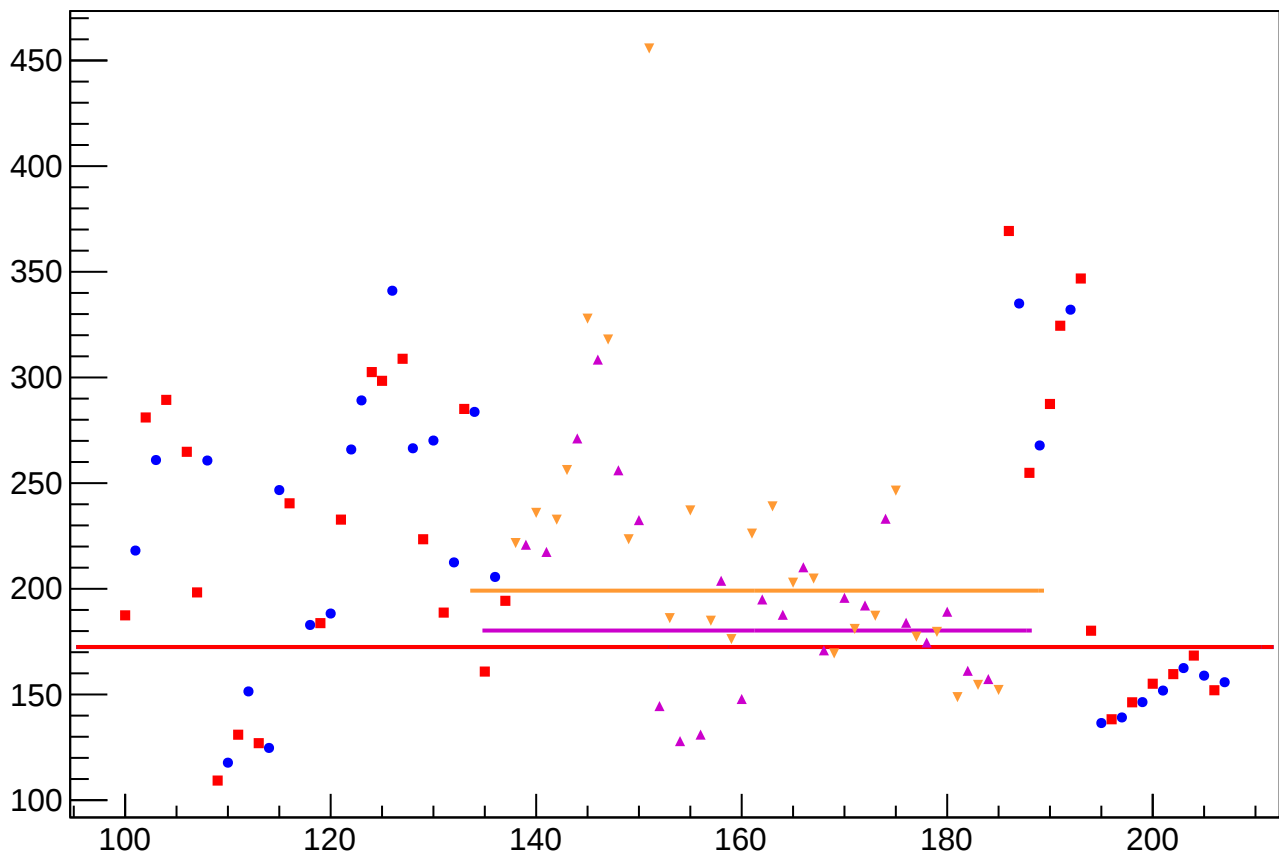
Left In: -32.571 $\pm$ 45.248 χ^2 /NDF: 6.7/22

+ sign -21.138 $\pm$ 34.184 χ^2 /NDF: 24.7/51

All: -11.303 $\pm$ 23.630 χ^2 /NDF: 44.7/105

- sign -2.303 $\pm$ 32.701 χ^2 /NDF: 19.8/53

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.433+/-0.034 χ^2/NDF : 2071247.8/26

Left Out: 199.136+/-0.034 χ^2/NDF :1760298.1/24

Right Out: 172.480+/-0.033 χ^2/NDF : 2704343.8/30

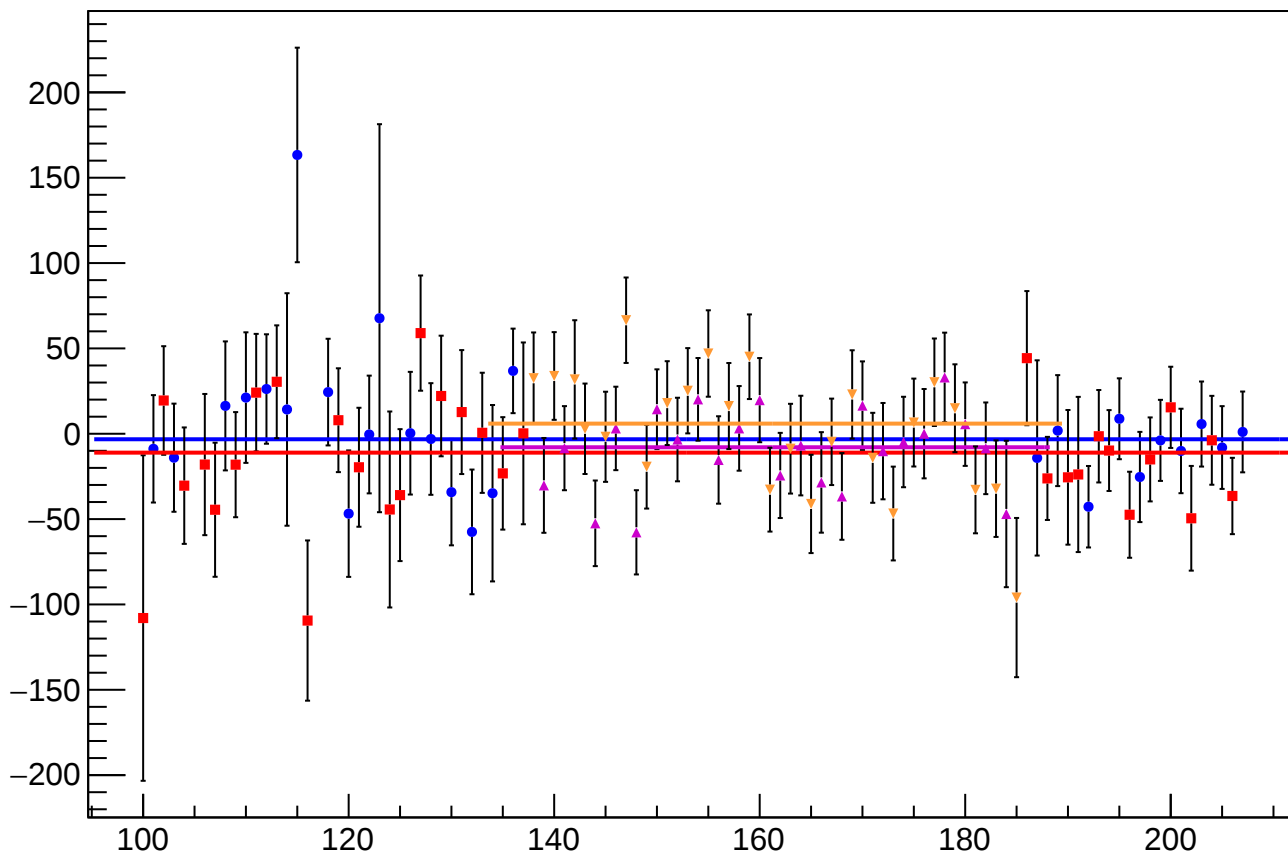
Left In: 180.256+/-0.032 χ^2/NDF :1580553.5/22

+ sign 185.904+/-0.024 χ^2/NDF : 4136608.5/51

All: 181.015+/-0.017 χ^2/NDF : 8528056.8/105

- sign 176.542+/-0.023 χ^2/NDF : 4313117.3/53

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.229 ± 6.006 χ^2/NDF : 21.6/26

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: -11.067 ± 5.774 χ^2/NDF : 26.2/30

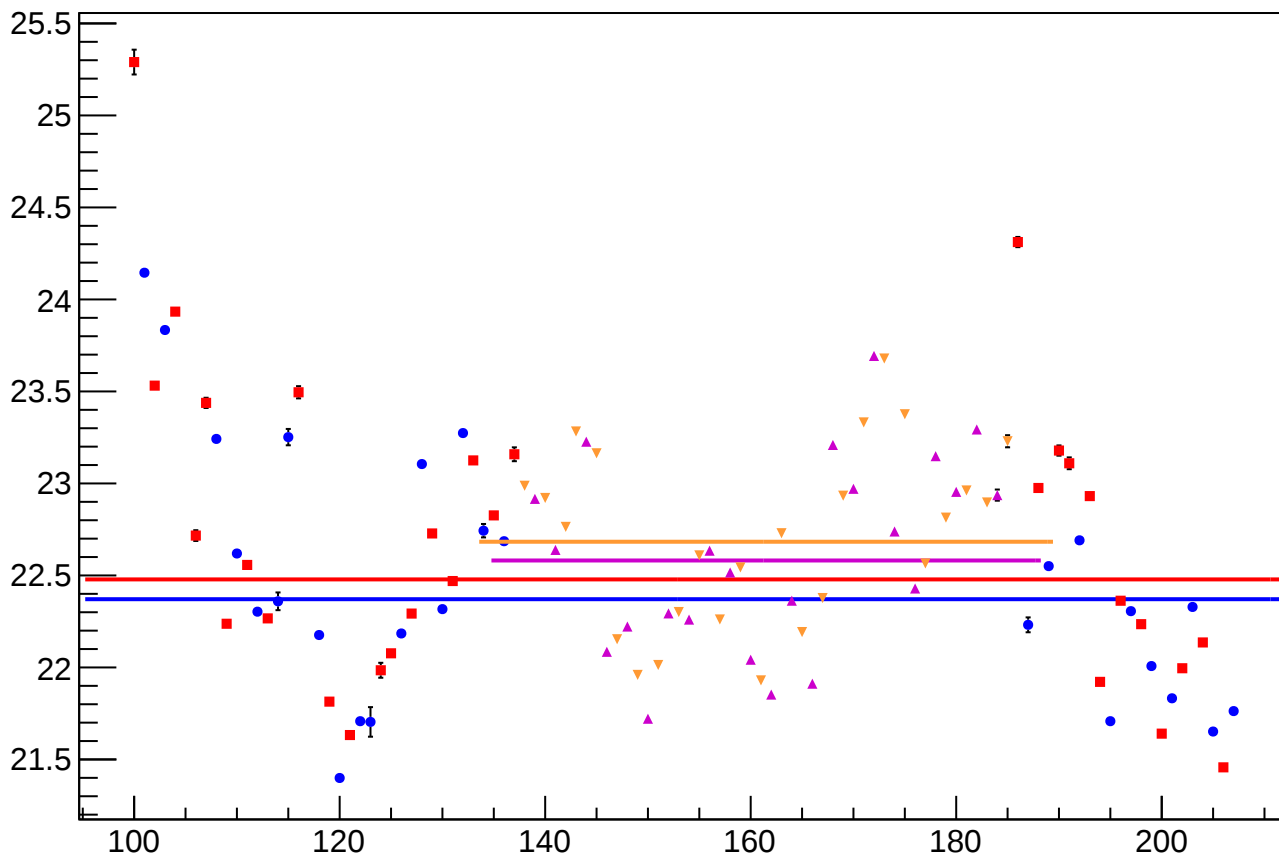
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 1.937 ± 3.968 χ^2/NDF : 59.0/51

All: -3.749 ± 2.800 χ^2/NDF : 108.2/105

- sign -9.392 ± 3.952 χ^2/NDF : 45.1/53

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.371 $\pm$ 0.004 χ^2 /NDF: 23666.6/26

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16320.2/24

Right Out: 22.478 $\pm$ 0.004 χ^2 /NDF: 29469.4/30

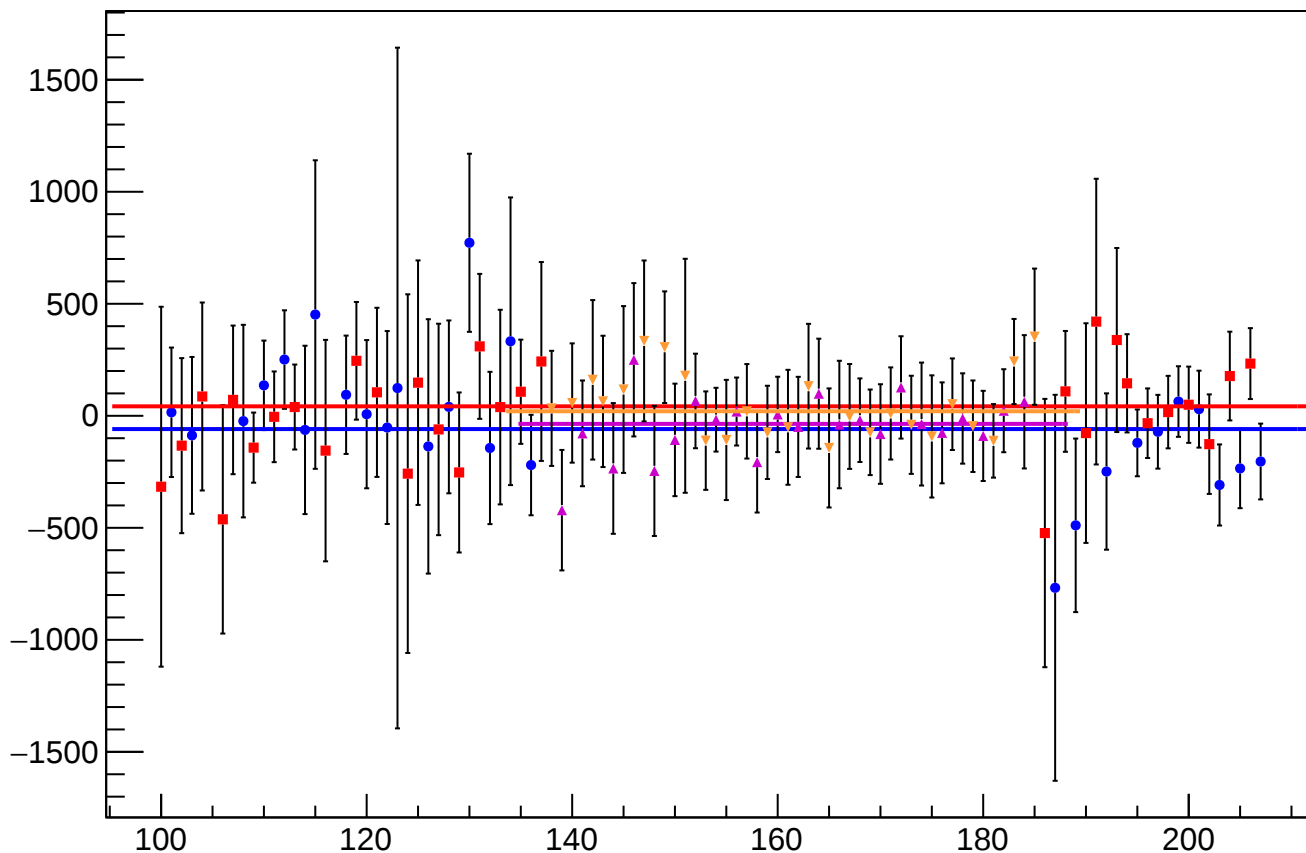
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF: 17904.5/22

+ sign 22.547 $\pm$ 0.003 χ^2 /NDF: 43034.4/51

All: 22.540 $\pm$ 0.002 χ^2 /NDF: 90757.6/105

- sign 22.533 $\pm$ 0.003 χ^2 /NDF: 47711.1/53

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -59.219 ± 48.424 χ^2/NDF : 16.2/26

Left Out: 20.306 ± 48.049 χ^2/NDF : 7.7/24

Right Out: 42.280 ± 47.100 χ^2/NDF : 10.4/30

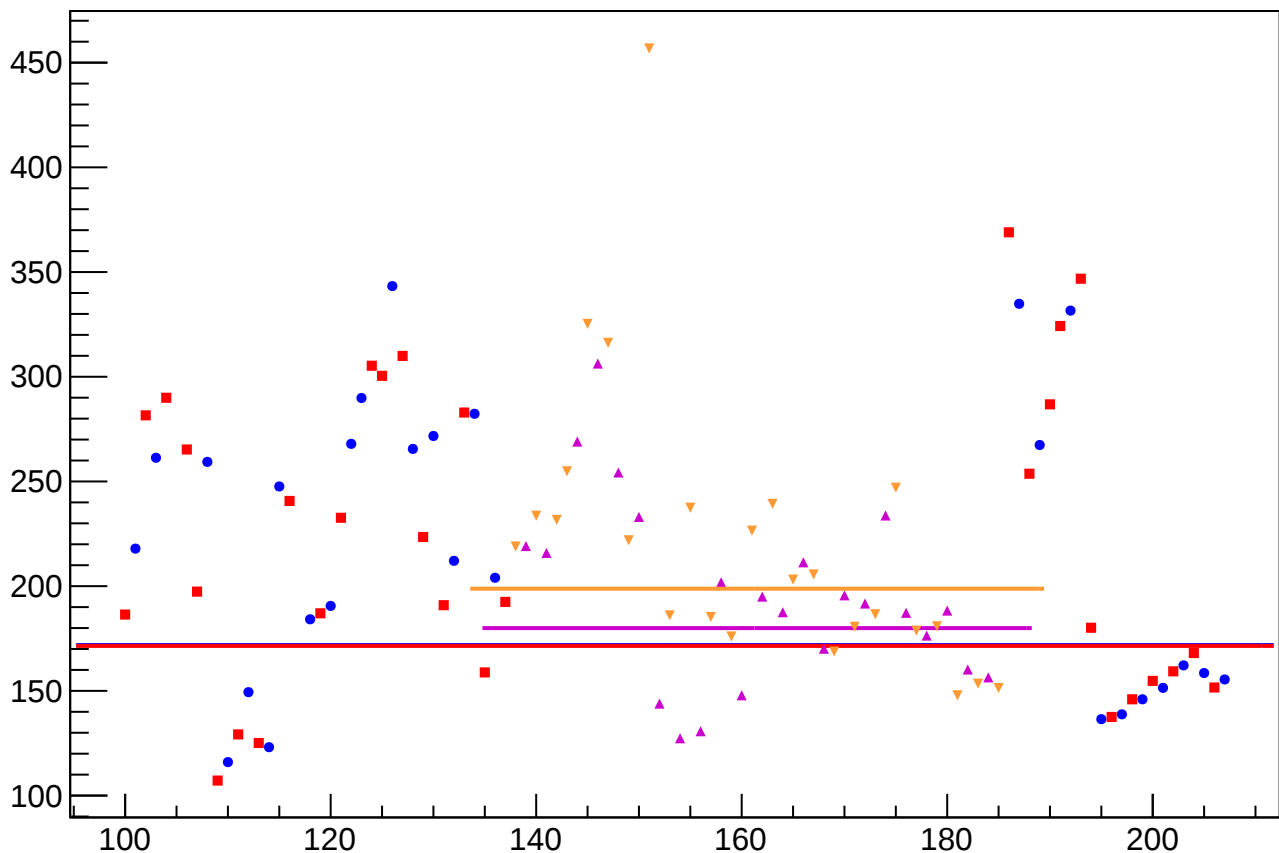
Left In: -35.996 ± 45.180 χ^2/NDF : 6.1/22

+ sign -19.147 ± 34.108 χ^2/NDF : 25.3/51

All: -8.351 ± 23.568 χ^2/NDF : 43.3/105

- sign 1.514 ± 32.605 χ^2/NDF : 17.9/53

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.860 $\pm$ 0.034 χ^2 /NDF: 2100749.8/26

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 171.475 $\pm$ 0.033 χ^2 /NDF: 2772812.6/30

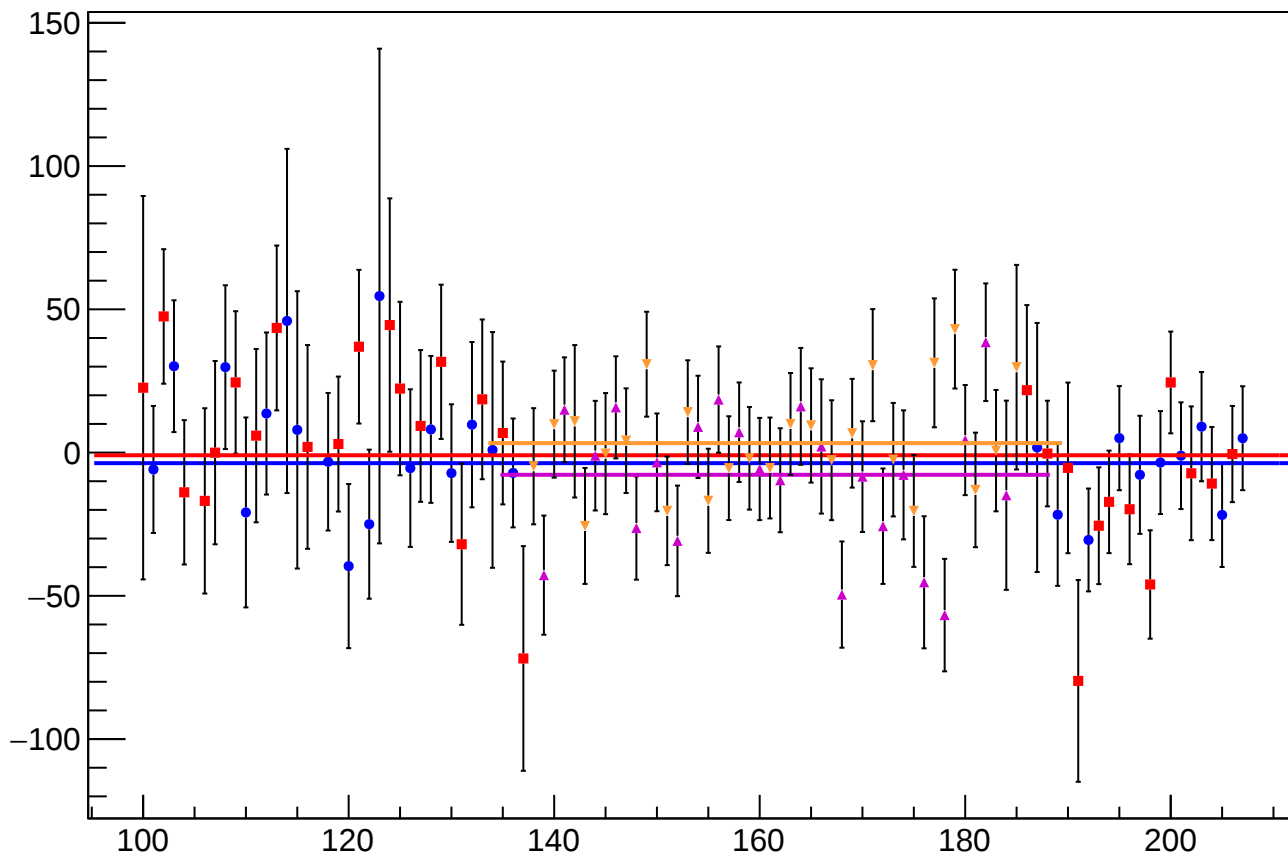
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 185.427 $\pm$ 0.024 χ^2 /NDF: 4170772.2/51

All: 180.449 $\pm$ 0.017 χ^2 /NDF: 8634908.5/105

- sign 175.900 $\pm$ 0.023 χ^2 /NDF: 4382604.1/53

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.691 ± 4.605 χ^2/NDF : 12.9/26

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: -0.933 ± 4.435 χ^2/NDF : 35.7/30

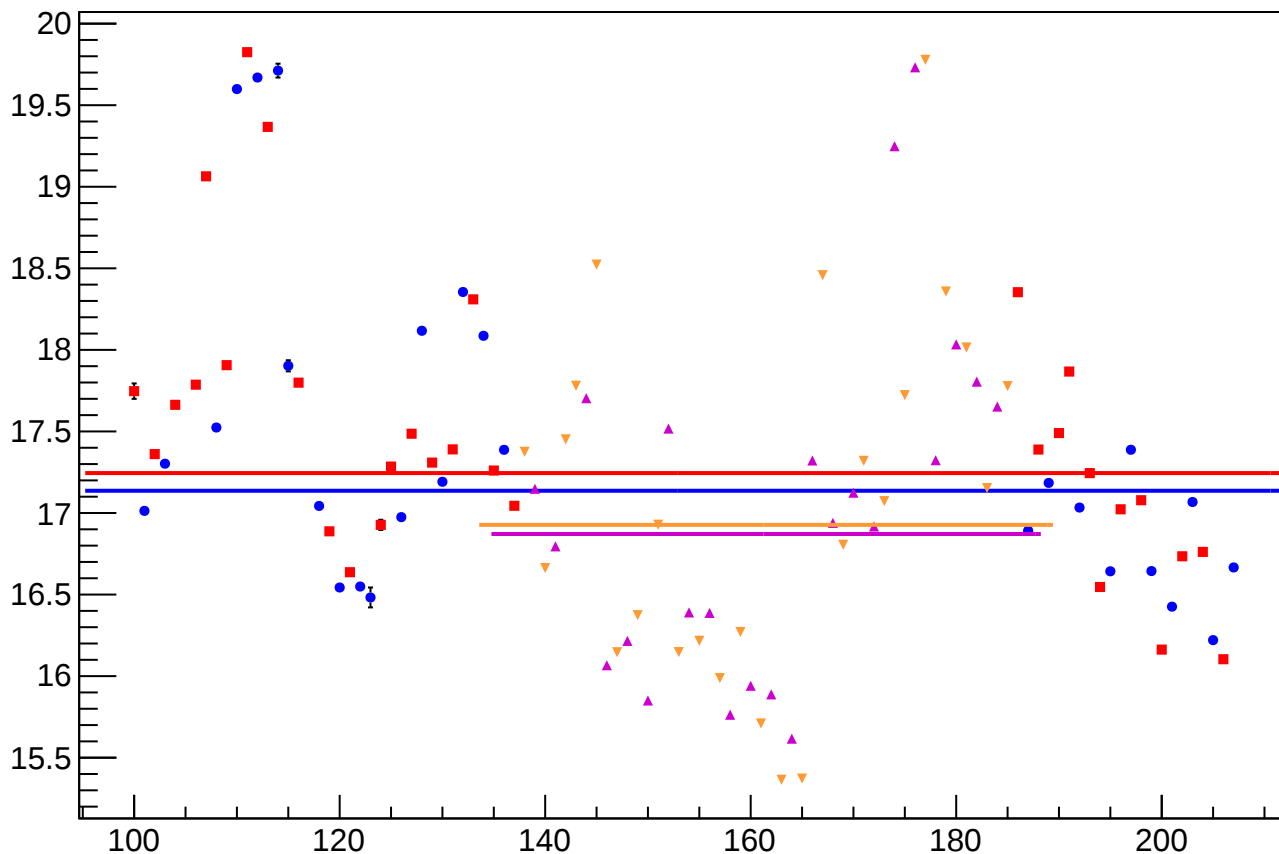
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 0.338 ± 3.000 χ^2/NDF : 32.9/51

All: -2.157 ± 2.119 χ^2/NDF : 105.5/105

- sign -4.645 ± 2.995 χ^2/NDF : 71.2/53

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.136 $\pm$ 0.003 χ^2 /NDF: 54573.8/26

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.245 $\pm$ 0.003 χ^2 /NDF: 65835.2/30

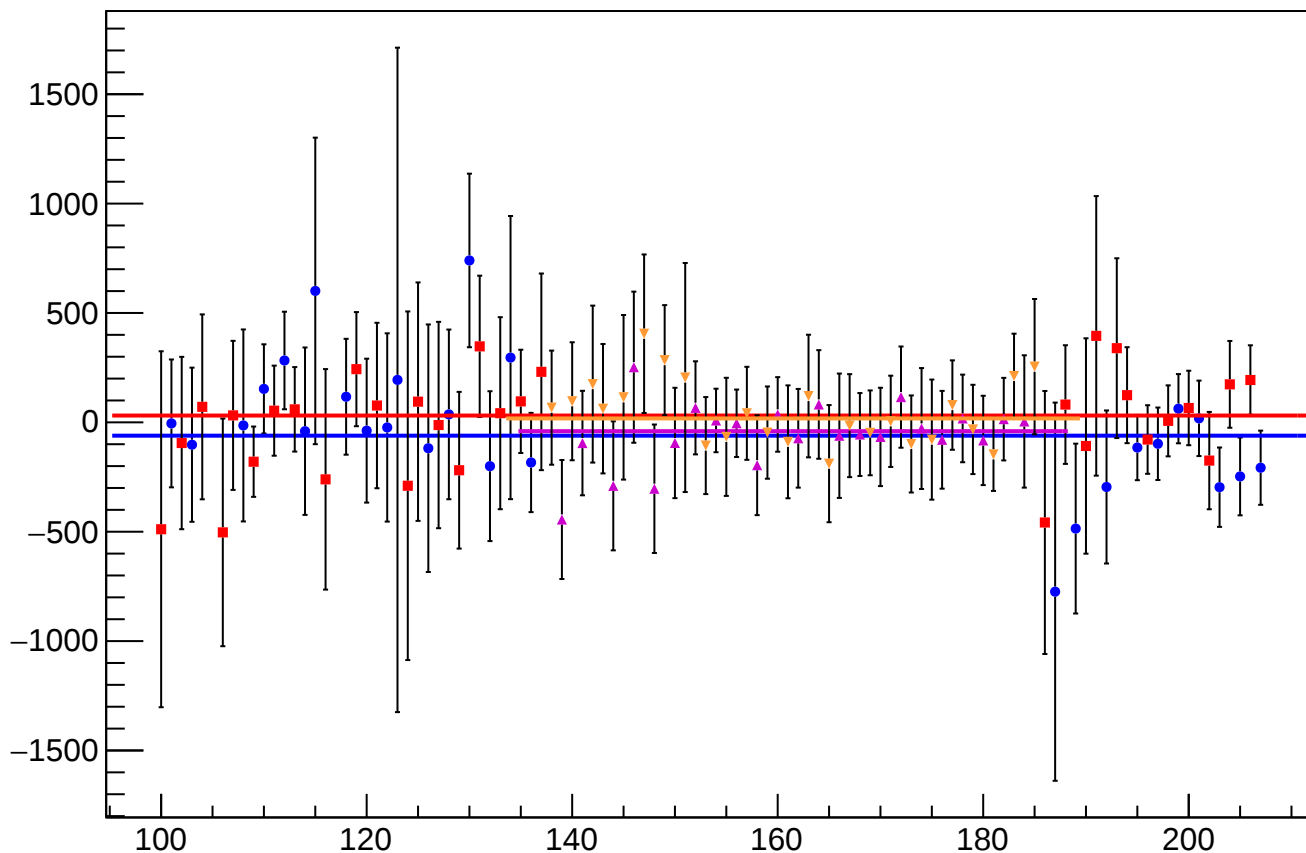
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.016 $\pm$ 0.002 χ^2 /NDF: 195481.2/51

All: 17.029 $\pm$ 0.001 χ^2 /NDF: 387101.5/105

- sign 17.042 $\pm$ 0.002 χ^2 /NDF: 191547.2/53

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -60.944 ± 48.696 χ^2/NDF : 16.7/26

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 31.097 ± 47.479 χ^2/NDF : 11.1/30

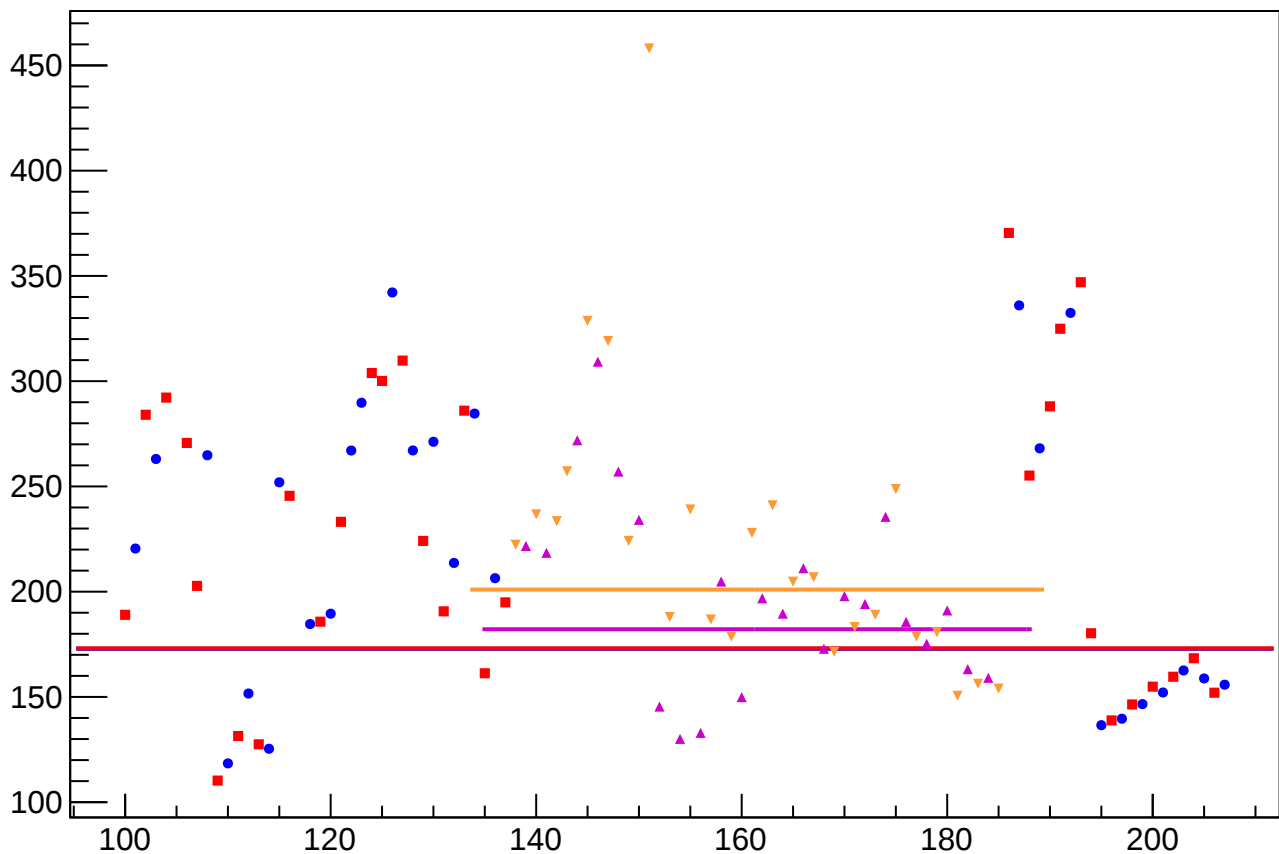
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign -21.437 ± 34.381 χ^2/NDF : 25.5/51

All: -13.385 ± 23.778 χ^2/NDF : 44.4/105

- sign -6.001 ± 32.922 χ^2/NDF : 18.9/53

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 172.870 $\pm$ 0.034 χ^2 /NDF: 2087471.9/26

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF: 1727291.4/24

Right Out: 173.081 $\pm$ 0.034 χ^2 /NDF: 2715103.5/30

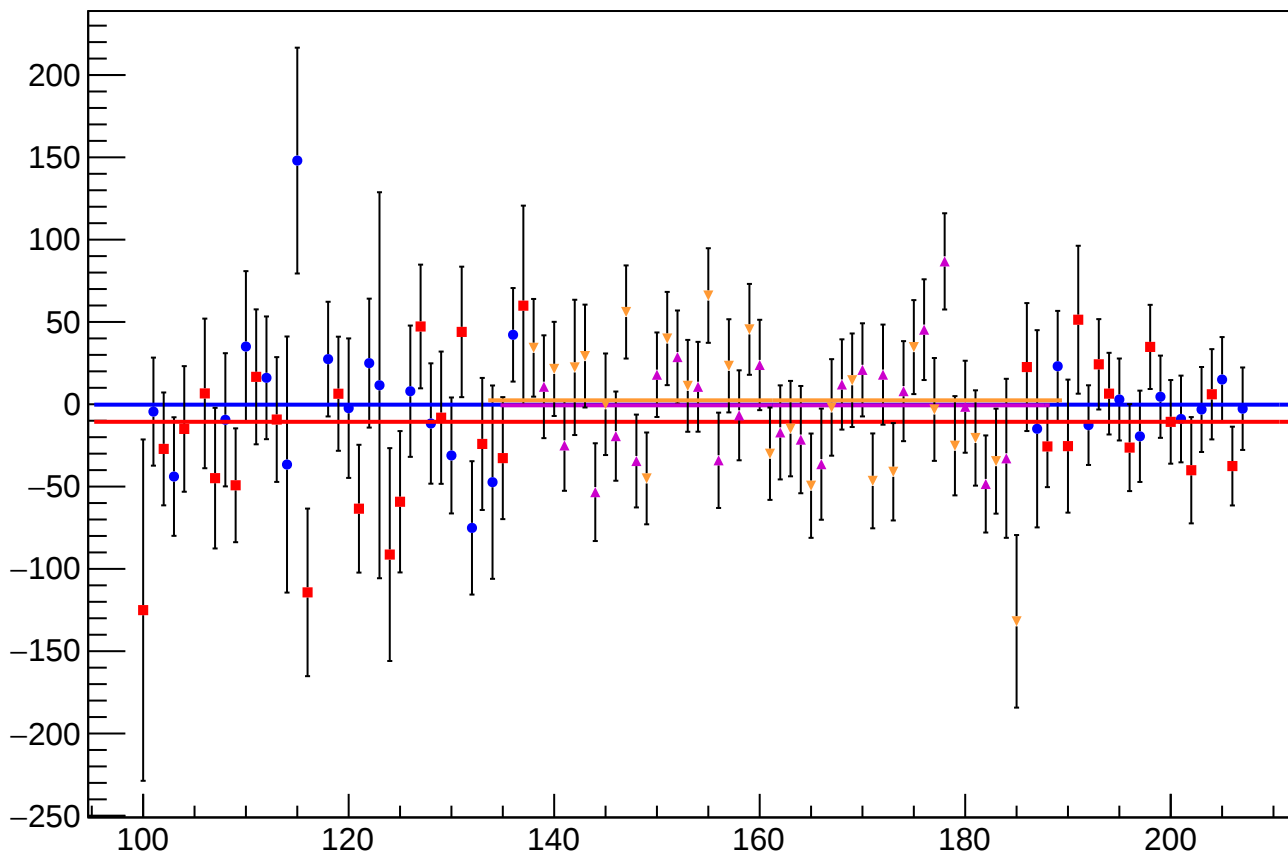
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF: 1535922.8/22

+ sign 186.971 $\pm$ 0.024 χ^2 /NDF: 4149118.0/51

All: 182.184 $\pm$ 0.017 χ^2 /NDF: 8512436.3/105

- sign 177.794 $\pm$ 0.023 χ^2 /NDF: 4288982.1/53

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.241 ± 6.491 χ^2/NDF : 17.3/26

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -10.654 ± 6.208 χ^2/NDF : 30.3/30

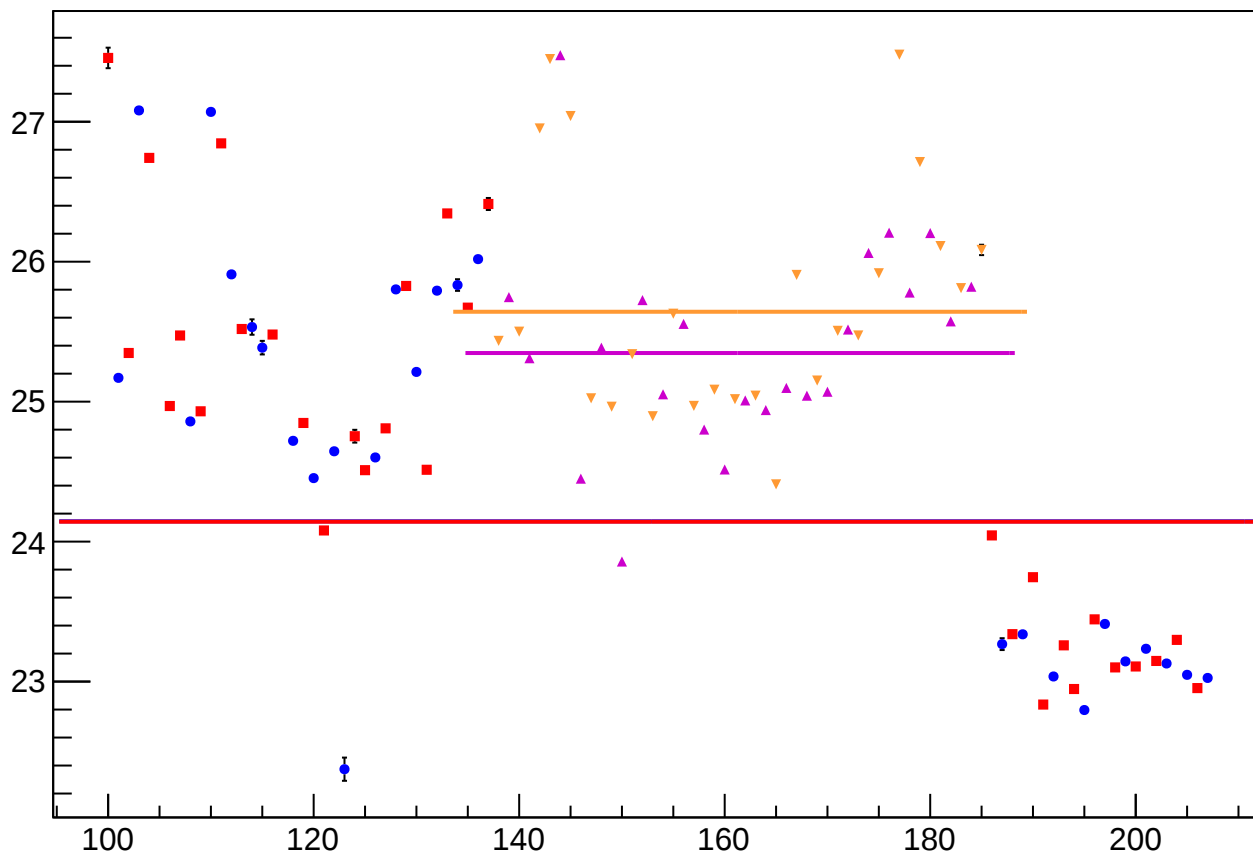
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 1.182 ± 4.398 χ^2/NDF : 56.5/51

All: -2.224 ± 3.092 χ^2/NDF : 116.6/105

- sign -5.552 ± 4.348 χ^2/NDF : 59.0/53

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.145 $\pm$ 0.005 χ^2 /NDF: 80433.1/26

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF: 34802.2/24

Right Out: 24.142 $\pm$ 0.004 χ^2 /NDF: 75355.6/30

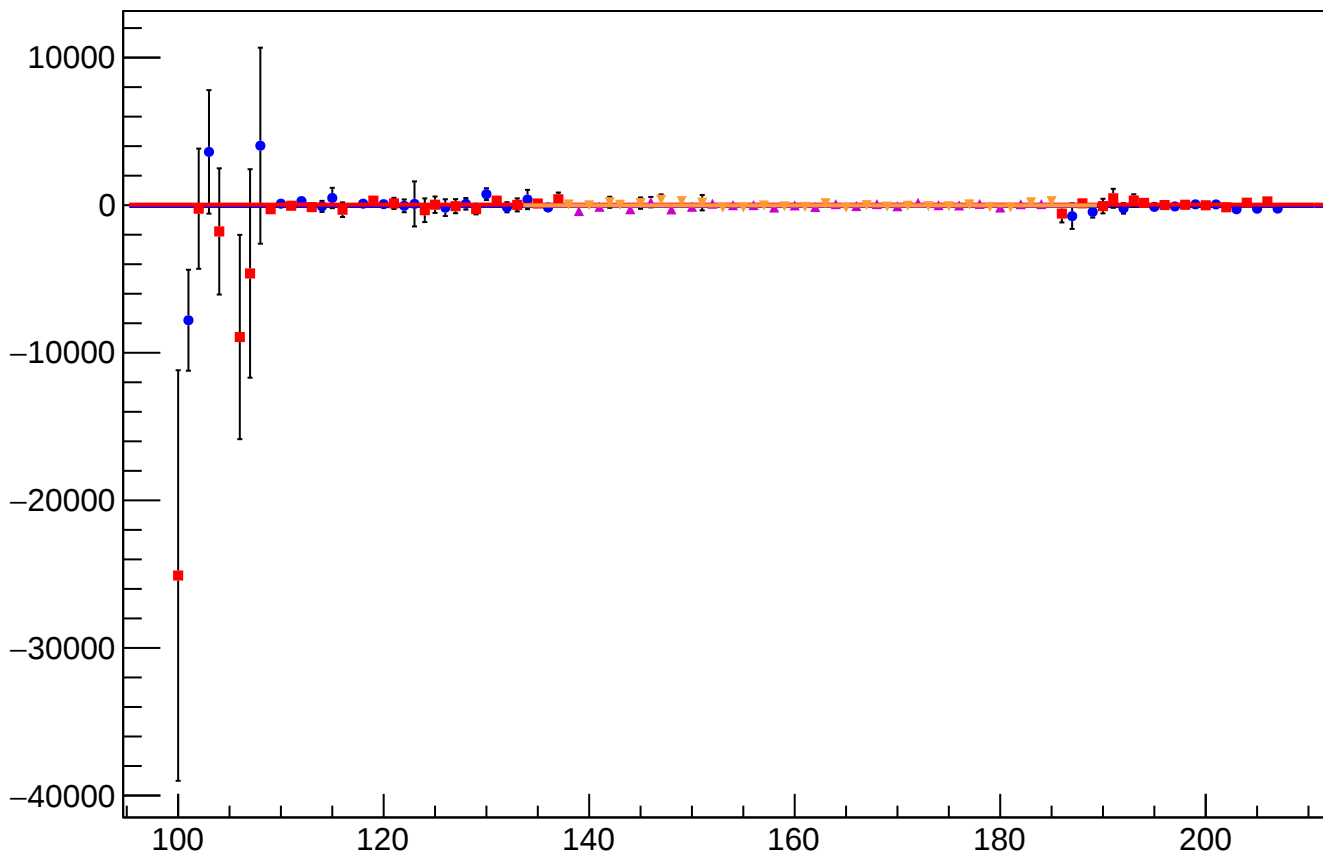
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF: 29389.5/22

+ sign 24.955 $\pm$ 0.003 χ^2 /NDF: 172802.0/51

All: 24.854 $\pm$ 0.002 χ^2 /NDF: 318014.3/105

- sign 24.756 $\pm$ 0.003 χ^2 /NDF: 143149.4/53

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -53.910 ± 51.157 χ^2/NDF : 21.4/26

Left Out: -11.432 ± 48.263 χ^2/NDF : 8.0/24

Right Out: 38.252 ± 50.781 χ^2/NDF : 17.7/30

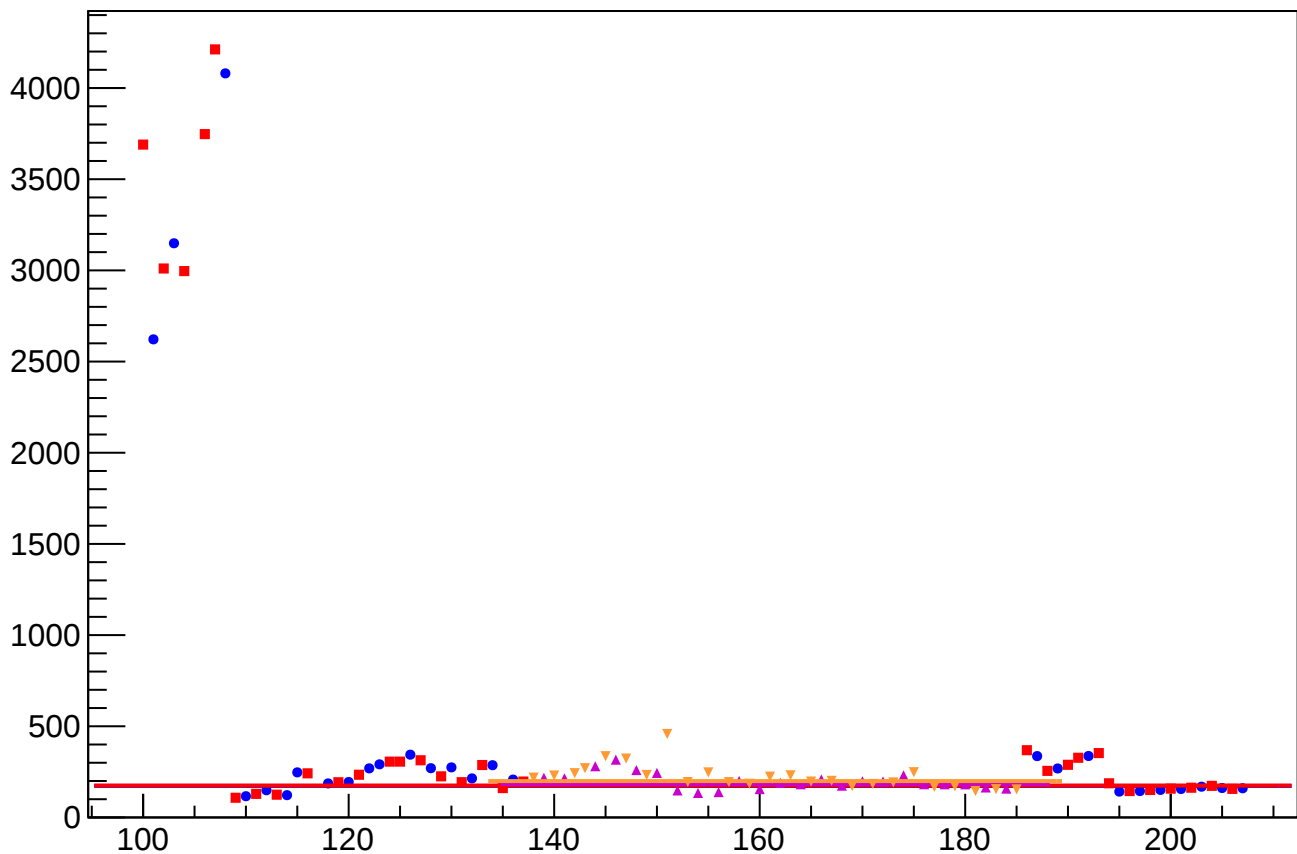
Left In: -27.098 ± 45.999 χ^2/NDF : 7.2/22

+ sign -31.435 ± 35.105 χ^2/NDF : 29.8/51

All: -14.045 ± 24.457 χ^2/NDF : 56.0/105

- sign 2.356 ± 34.092 χ^2/NDF : 25.8/53

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.054 $\pm$ 0.036 χ^2 /NDF: 4490719.4/26

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF: 1877848.7/24

Right Out: 174.783 $\pm$ 0.036 χ^2 /NDF: 5334737.4/30

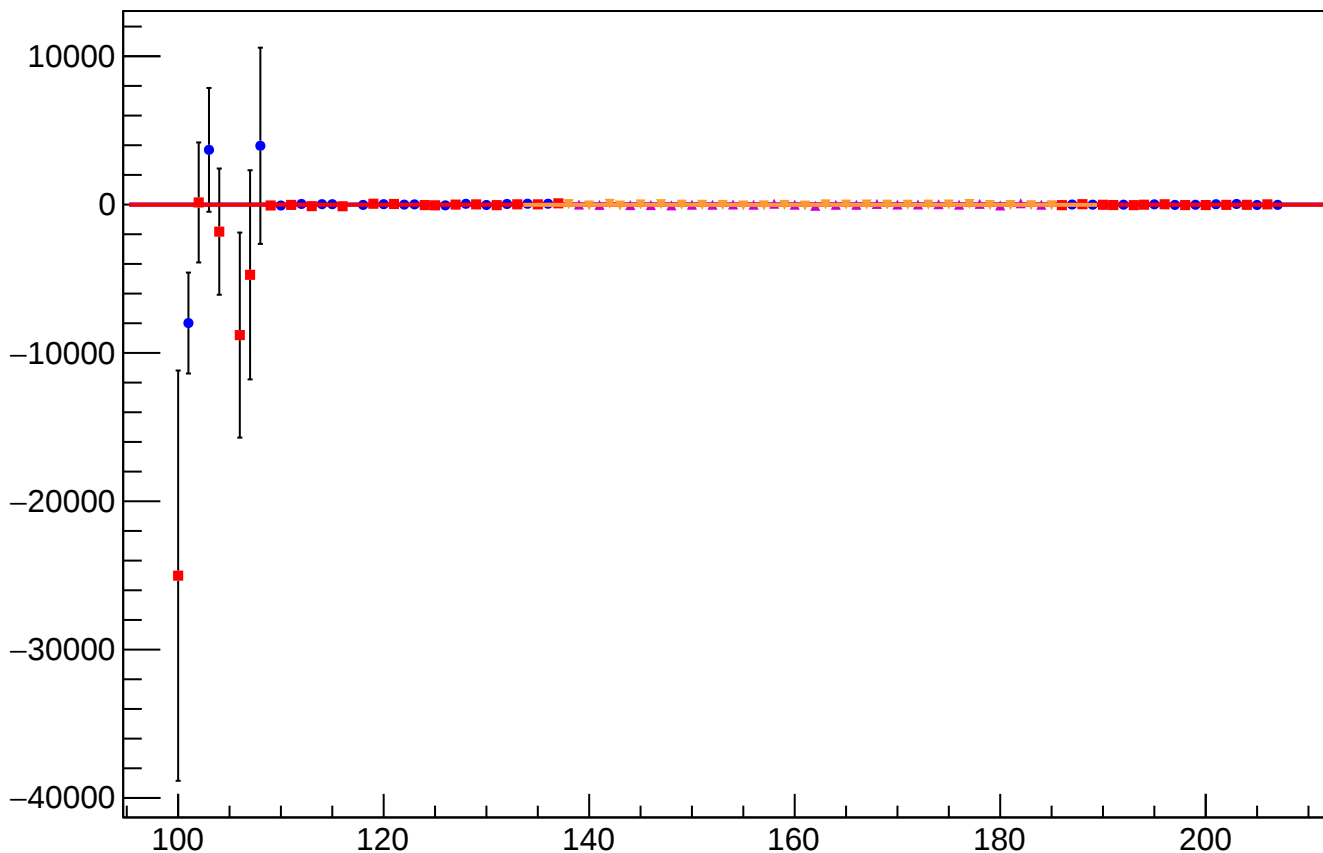
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 187.013 $\pm$ 0.025 χ^2 /NDF: 6650044.0/51

All: 183.269 $\pm$ 0.017 χ^2 /NDF: 13476530.0/10

- sign 179.739 $\pm$ 0.024 χ^2 /NDF: 6782287.3/53

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.653+/-7.824 χ^2/NDF : 23.4/26

Left Out: -18.118+/-6.704 χ^2/NDF :21.7/24

Right Out: -11.271+/-7.624 χ^2/NDF : 29.6/30

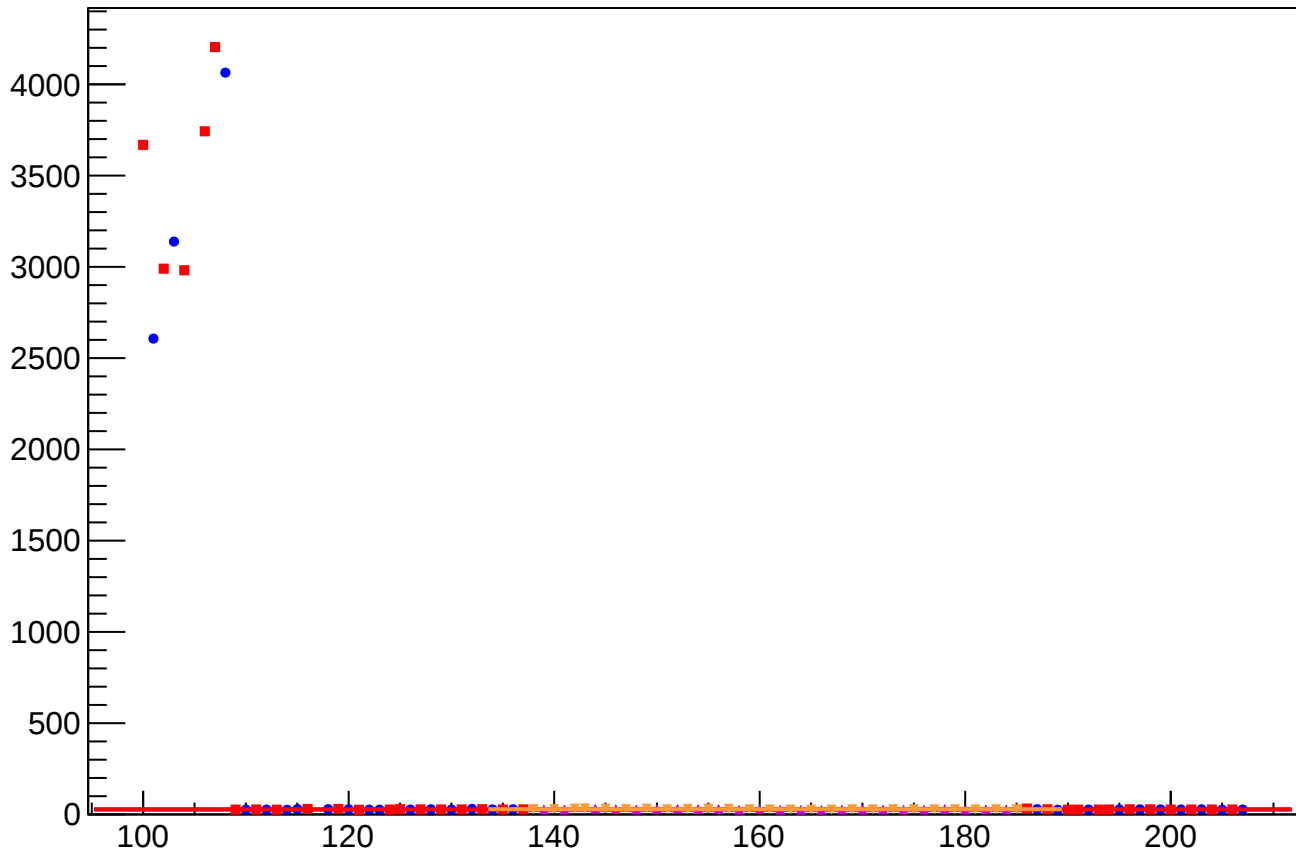
Left In: -1.267+/-6.908 χ^2/NDF :32.0/22

+ sign -8.901+/-5.091 χ^2/NDF : 49.6/51

All: -7.348+/-3.610 χ^2/NDF : 112.4/105

- sign -5.778+/-5.119 χ^2/NDF : 62.6/53

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.497 $\pm$ 0.006 χ^2 /NDF: 3040402.1/26

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.594 $\pm$ 0.005 χ^2 /NDF: 3503272.8/30

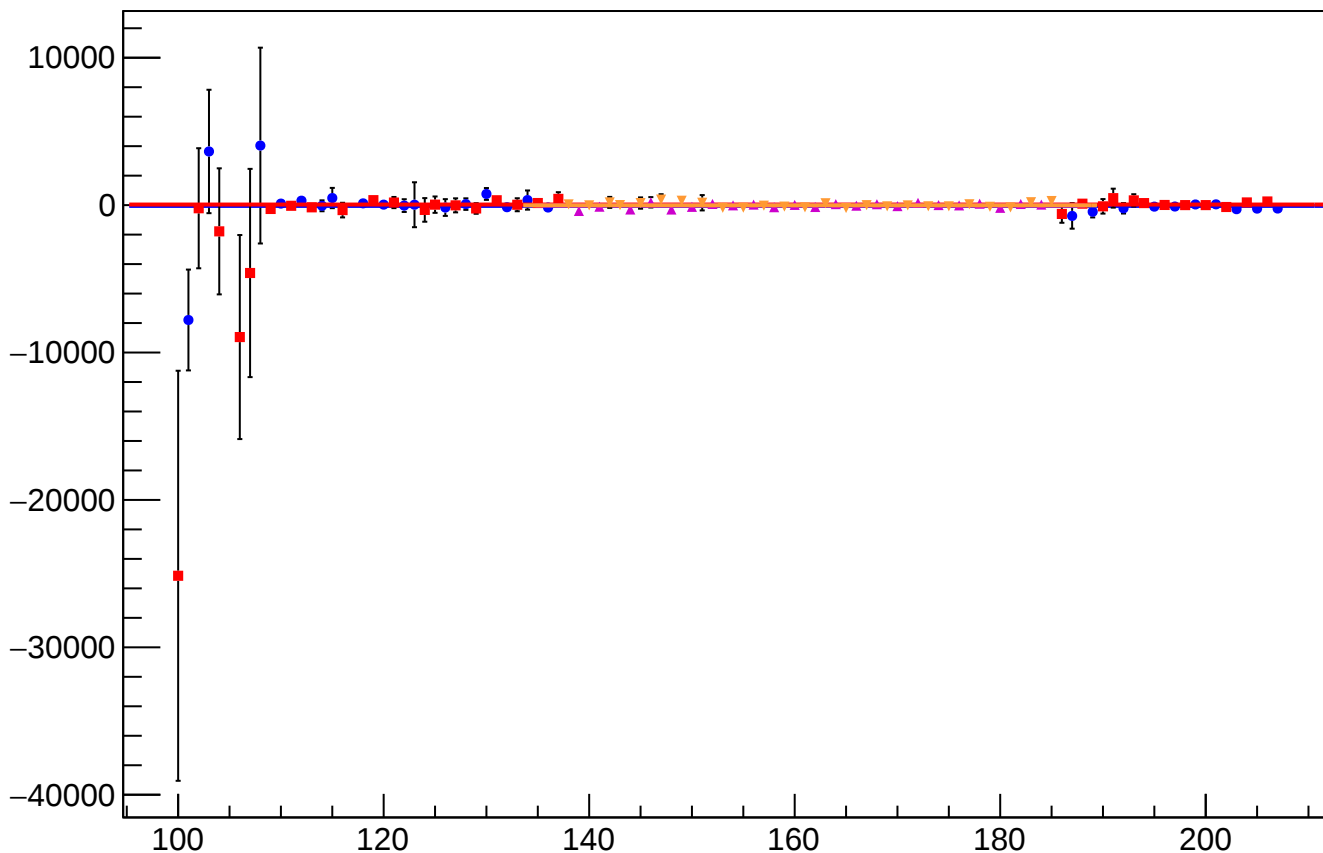
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.187 $\pm$ 0.004 χ^2 /NDF: 3177861.4/51

All: 28.188 $\pm$ 0.003 χ^2 /NDF: 6827118.5/105

- sign 28.188 $\pm$ 0.004 χ^2 /NDF: 3649257.1/53

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -52.755 ± 50.997 χ^2/NDF : 21.7/26

Left Out: -13.878 ± 48.155 χ^2/NDF : 8.8/24

Right Out: 39.604 ± 50.638 χ^2/NDF : 18.3/30

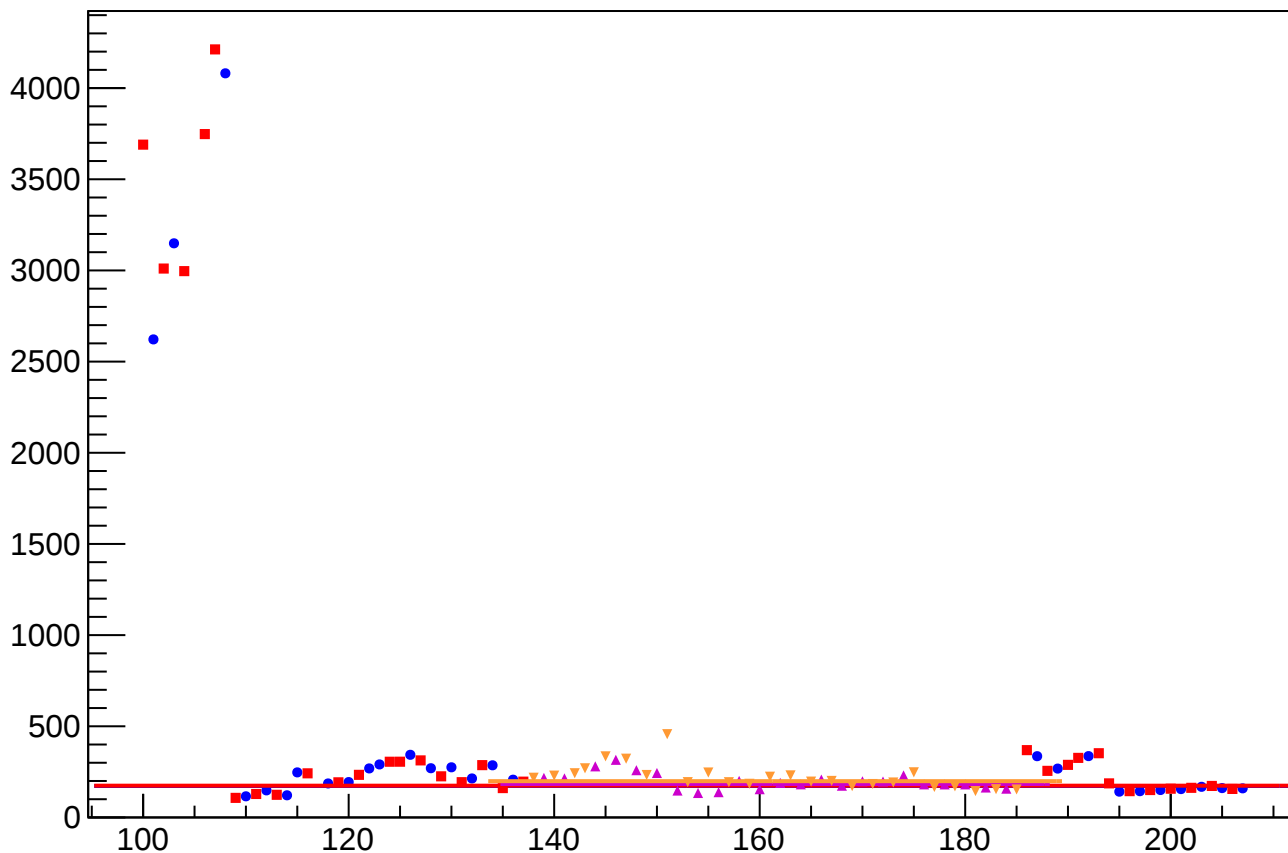
Left In: -27.286 ± 45.907 χ^2/NDF : 7.5/22

+ sign -32.203 ± 35.012 χ^2/NDF : 30.9/51

All: -14.148 ± 24.396 χ^2/NDF : 58.1/105

- sign 2.889 ± 34.011 χ^2/NDF : 26.7/53

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.464 $\pm$ 0.036 χ^2 /NDF: 4503859.9/26

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 174.231 $\pm$ 0.036 χ^2 /NDF: 5351913.5/30

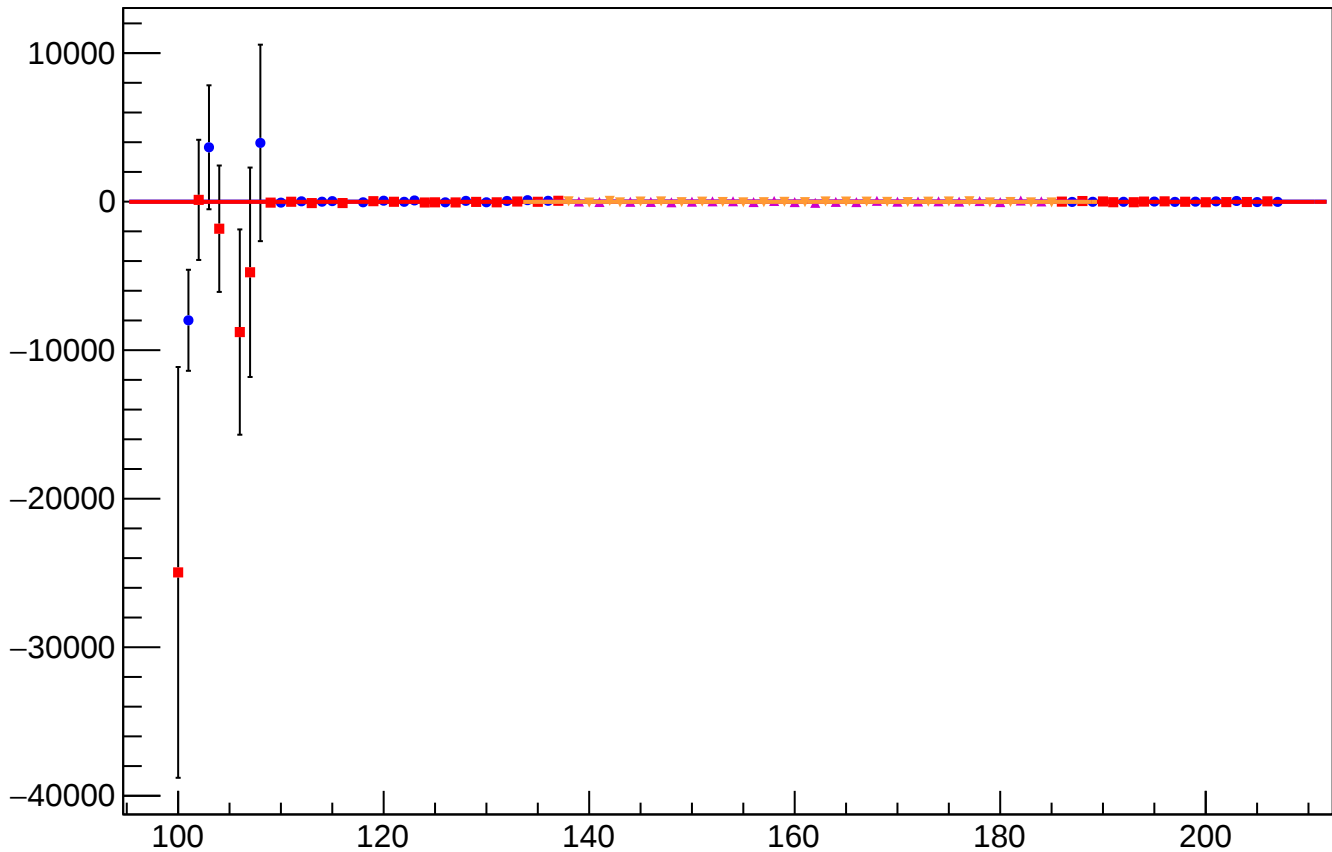
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 186.490 $\pm$ 0.025 χ^2 /NDF: 6667679.4/51

All: 182.784 $\pm$ 0.017 χ^2 /NDF: 13511813.4/10

- sign 179.287 $\pm$ 0.024 χ^2 /NDF: 6800575.1/53

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 2.391 ± 7.801 χ^2/NDF : 27.3/26

Left Out: -15.829 ± 6.733 χ^2/NDF : 16.5/24

Right Out: -14.372 ± 7.614 χ^2/NDF : 26.1/30

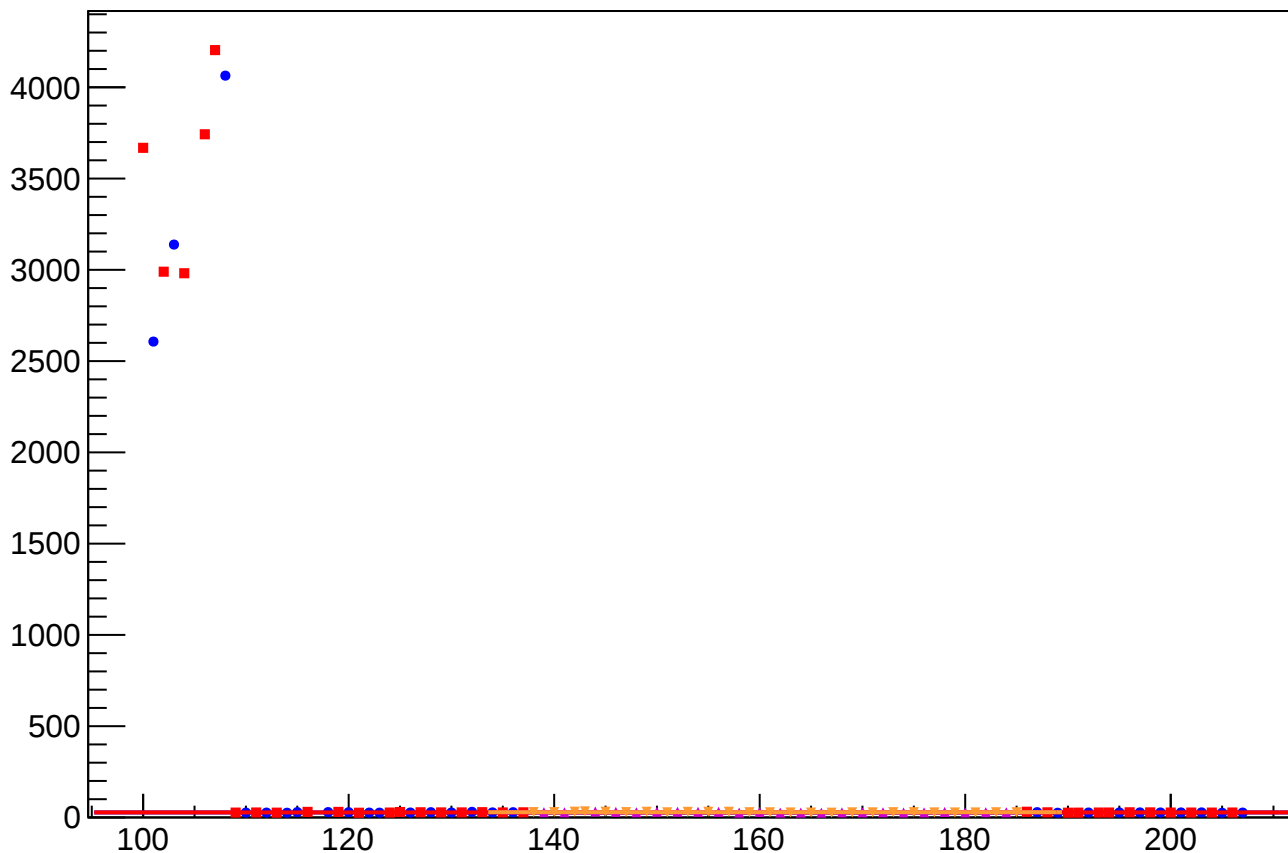
Left In: 0.498 ± 6.937 χ^2/NDF : 26.1/22

+ sign -8.051 ± 5.097 χ^2/NDF : 47.0/51

All: -7.154 ± 3.615 χ^2/NDF : 101.3/105

- sign -6.247 ± 5.128 χ^2/NDF : 54.3/53

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.412 $\pm$ 0.006 χ^2 /NDF: 3046406.8/26

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.558 $\pm$ 0.005 χ^2 /NDF: 3503535.0/30

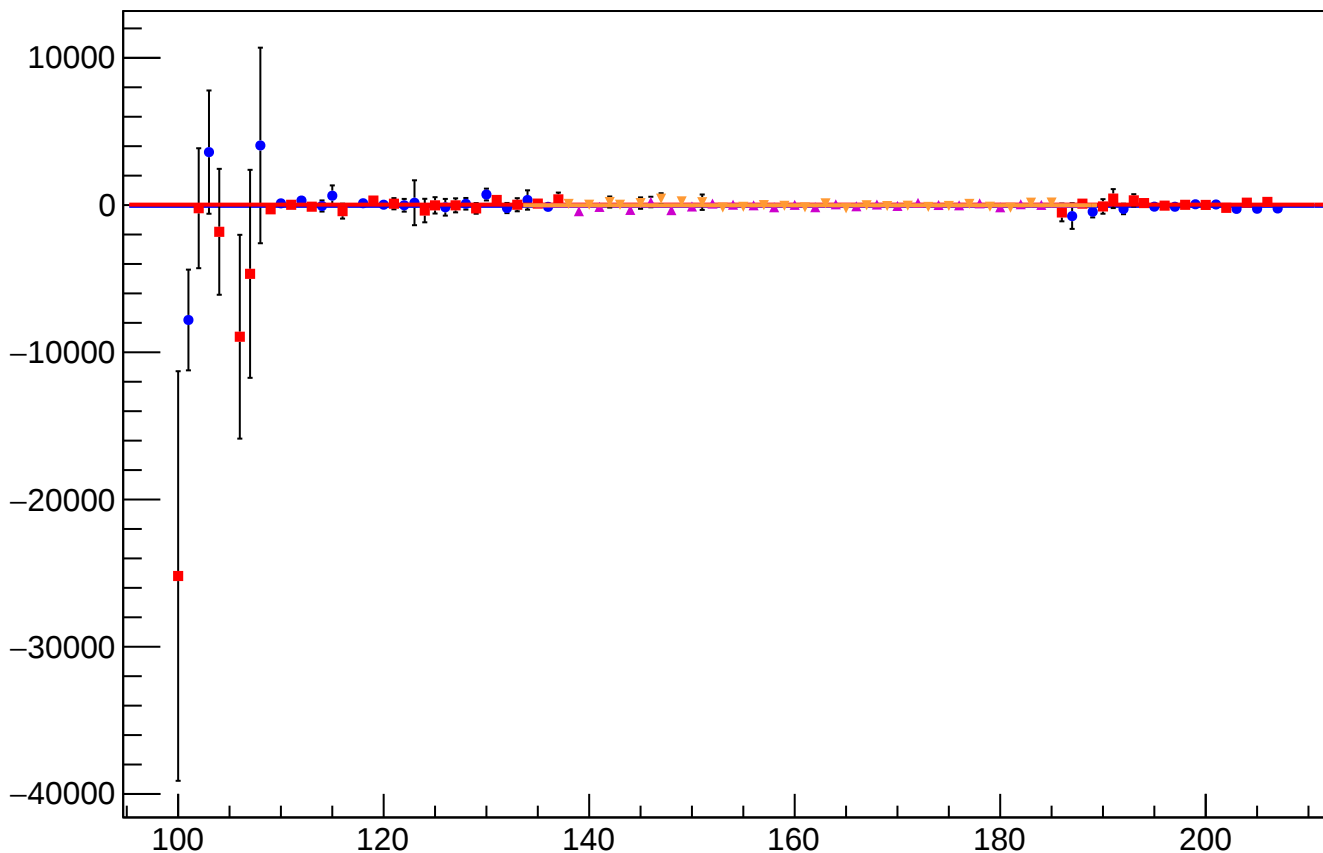
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.216 $\pm$ 0.004 χ^2 /NDF: 3205583.9/51

All: 28.225 $\pm$ 0.003 χ^2 /NDF: 6866381.7/105

- sign 28.235 $\pm$ 0.004 χ^2 /NDF: 3660783.4/53

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -54.499 $\pm$ 51.341 χ^2 /NDF: 22.0/26

Left Out: -13.966 $\pm$ 48.735 χ^2 /NDF:8.1/24

Right Out: 30.510 $\pm$ 51.022 χ^2 /NDF: 17.3/30

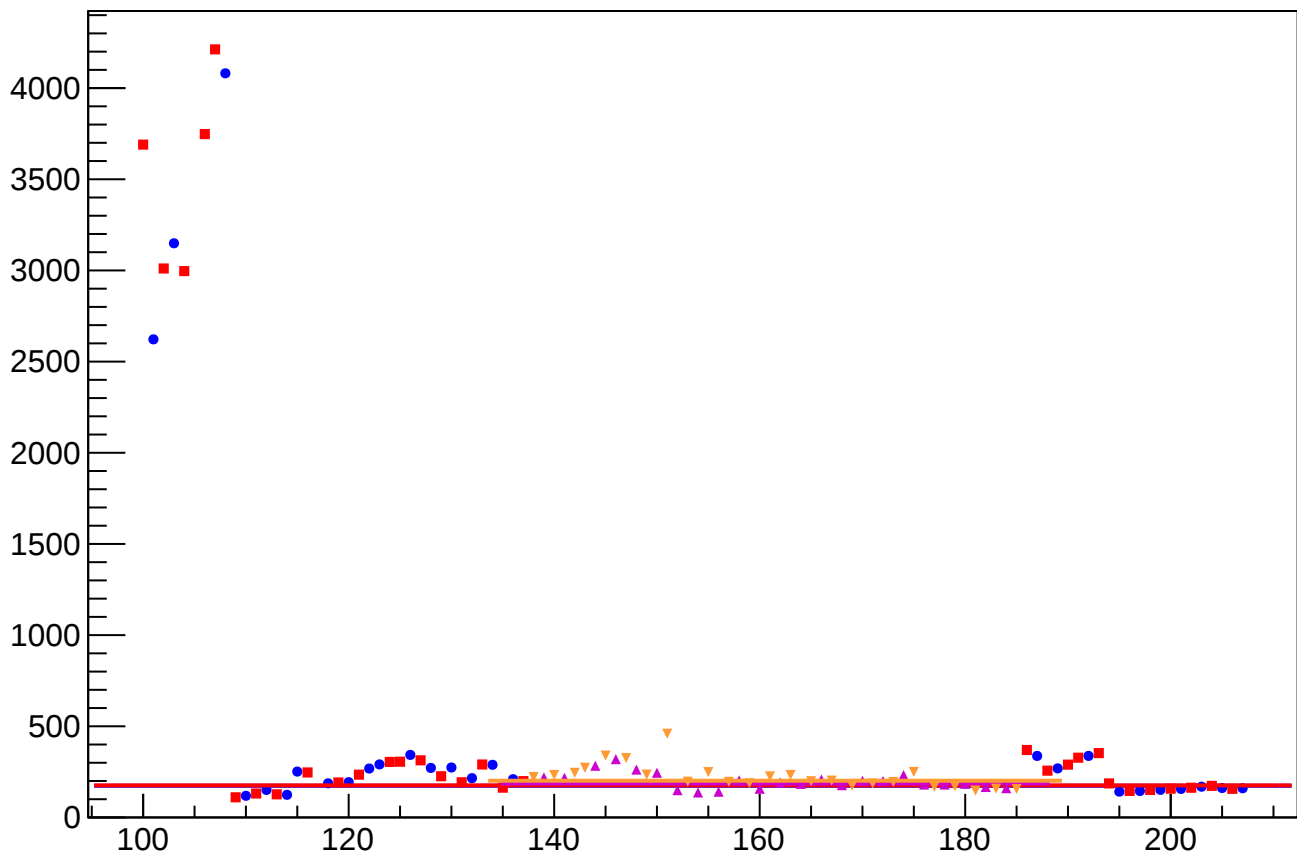
Left In: -31.477 $\pm$ 46.483 χ^2 /NDF:7.8/22

+ sign -33.178 $\pm$ 35.346 χ^2 /NDF: 30.4/51

All: -17.849 $\pm$ 24.638 χ^2 /NDF: 56.8/105

- sign -3.363 $\pm$ 34.361 χ^2 /NDF: 26.0/53

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 173.737 $\pm$ 0.036 χ^2 /NDF: 4473267.3/26

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF: 1854905.1/24

Right Out: 175.787 $\pm$ 0.036 χ^2 /NDF: 5292633.5/30

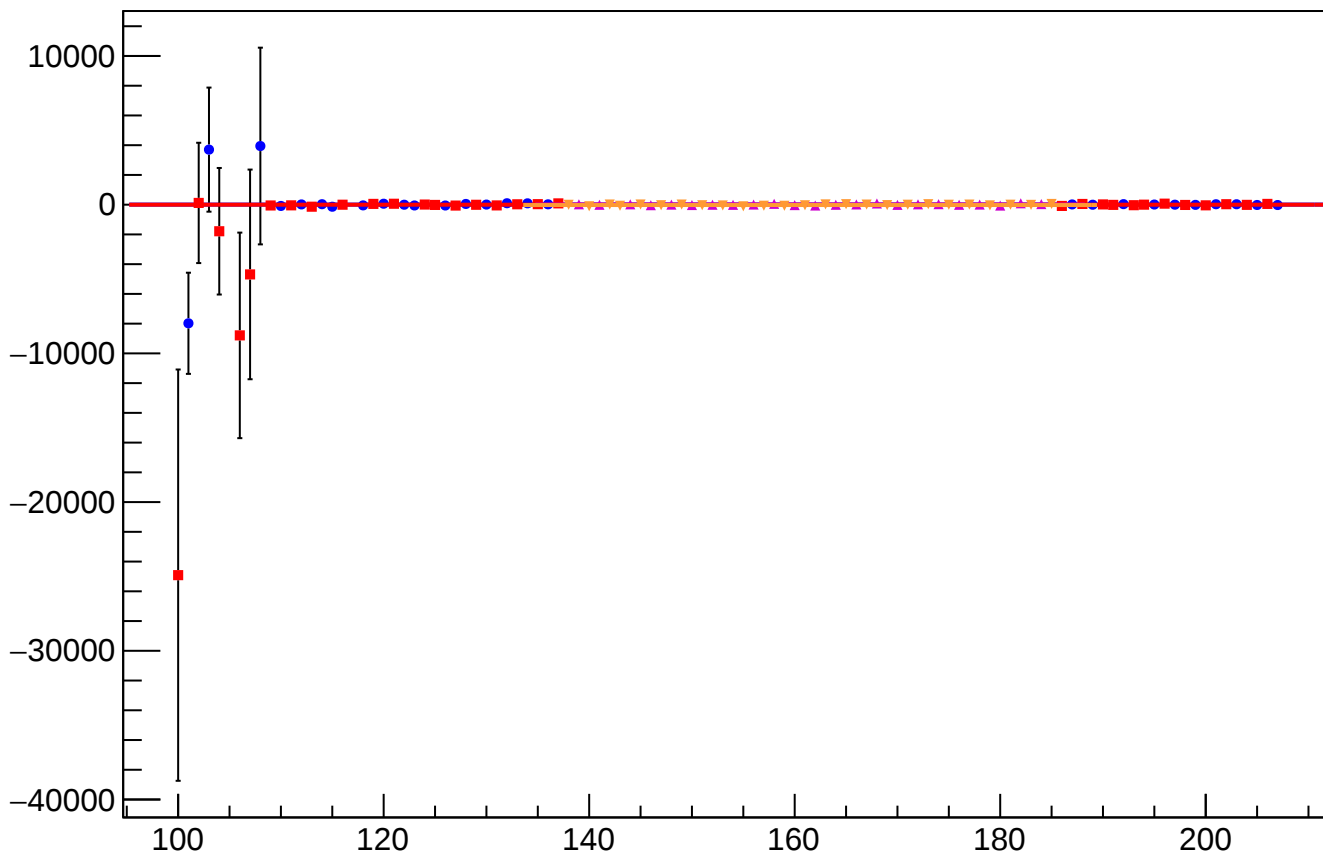
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF: 1380877.6/22

+ sign 188.343 $\pm$ 0.025 χ^2 /NDF: 6635861.4/51

All: 184.722 $\pm$ 0.017 χ^2 /NDF: 13392933.8/10

- sign 181.301 $\pm$ 0.024 χ^2 /NDF: 6716267.7/53

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.612 $\pm$ 9.521 χ^2 /NDF: 23.1/26

Left Out: -24.144 $\pm$ 8.076 χ^2 /NDF:24.9/24

Right Out: -0.725 $\pm$ 9.277 χ^2 /NDF: 34.3/30

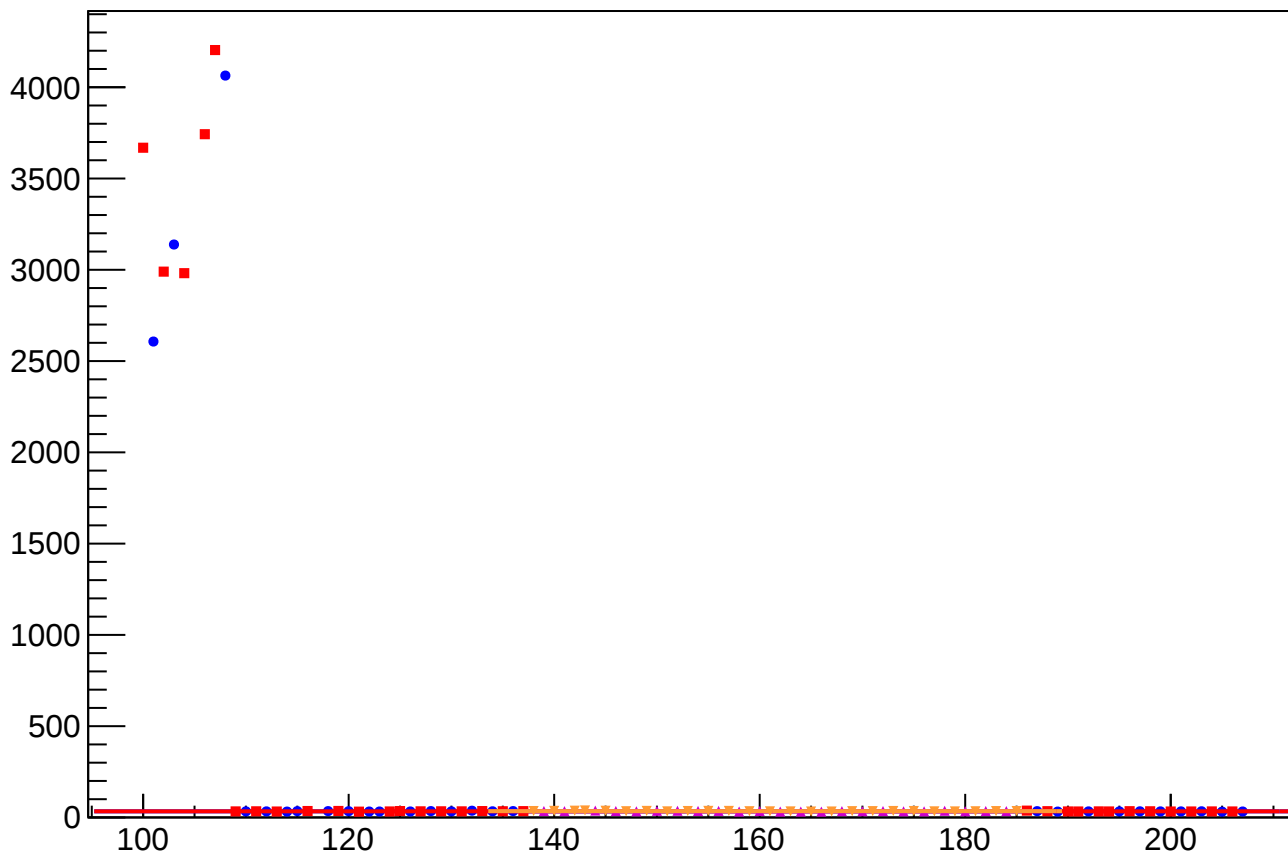
Left In: 5.924 $\pm$ 8.340 χ^2 /NDF:21.0/22

+ sign -11.693 $\pm$ 6.159 χ^2 /NDF: 53.7/51

All: -4.422 $\pm$ 4.370 χ^2 /NDF: 112.1/105

- sign 2.952 $\pm$ 6.202 χ^2 /NDF: 55.6/53

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.480 $\pm$ 0.007 χ^2 /NDF: 3018676.4/26

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.623 $\pm$ 0.007 χ^2 /NDF: 3467526.5/30

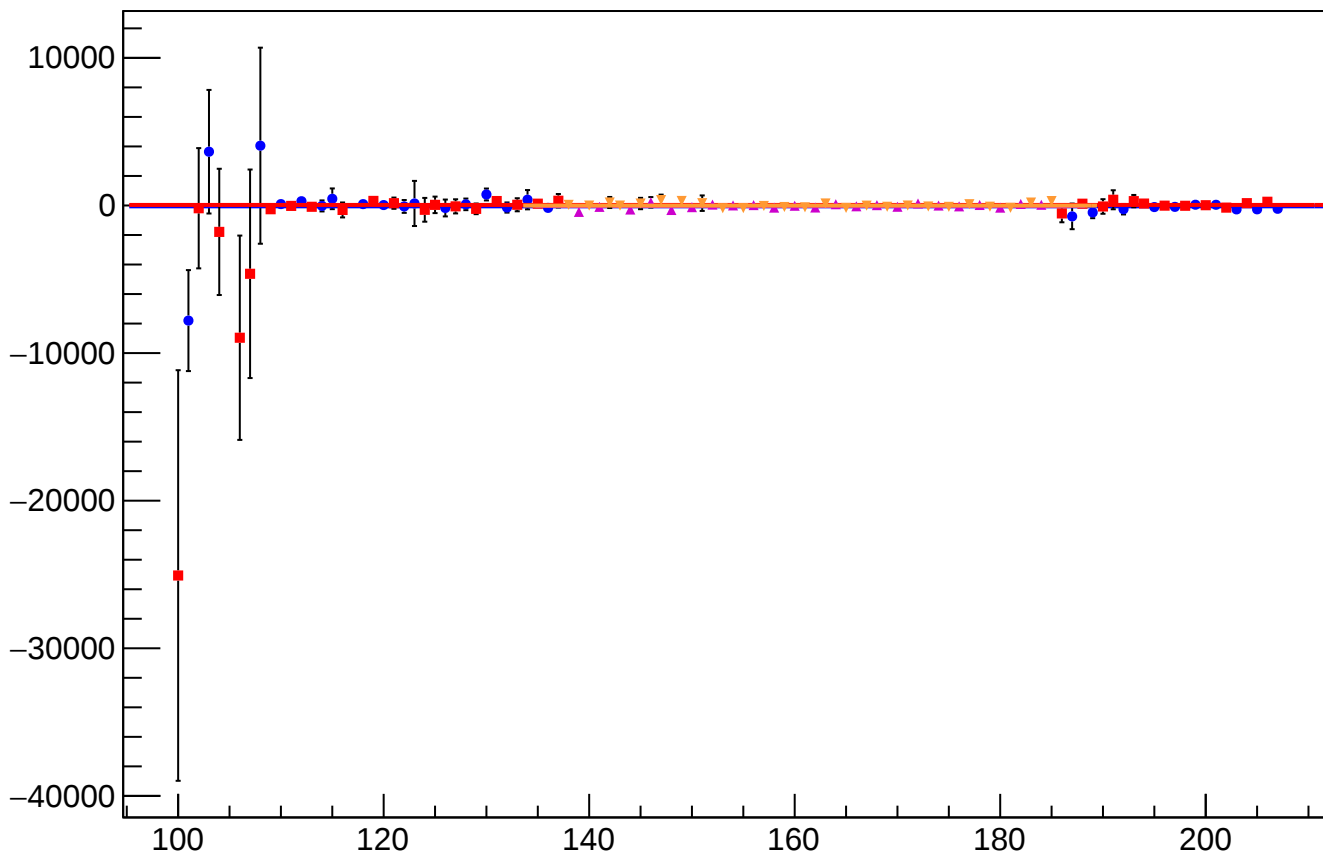
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.142 $\pm$ 0.004 χ^2 /NDF: 3093143.4/51

All: 34.175 $\pm$ 0.003 χ^2 /NDF: 6635036.7/105

- sign 34.208 $\pm$ 0.004 χ^2 /NDF: 3541776.4/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -58.087 ± 51.191 χ^2/NDF : 21.6/26

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 37.038 ± 50.821 χ^2/NDF : 16.2/30

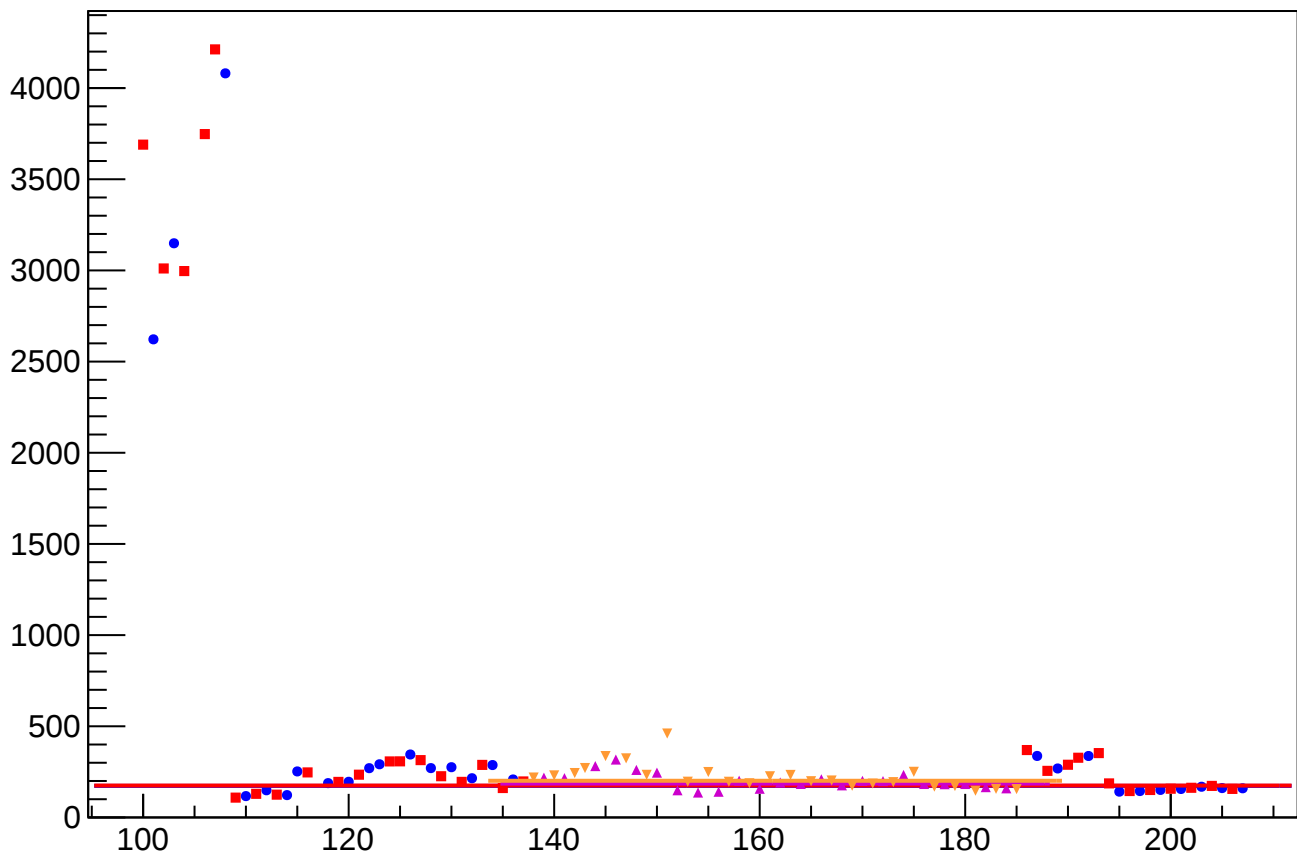
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -31.543 ± 35.269 χ^2/NDF : 30.8/51

All: -16.464 ± 24.580 χ^2/NDF : 55.6/105

- sign -2.222 ± 34.275 χ^2/NDF : 24.5/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 173.134 $\pm$ 0.036 χ^2 /NDF: 4501871.3/26

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF:1848437.4/24

Right Out: 174.910 $\pm$ 0.036 χ^2 /NDF: 5341454.5/30

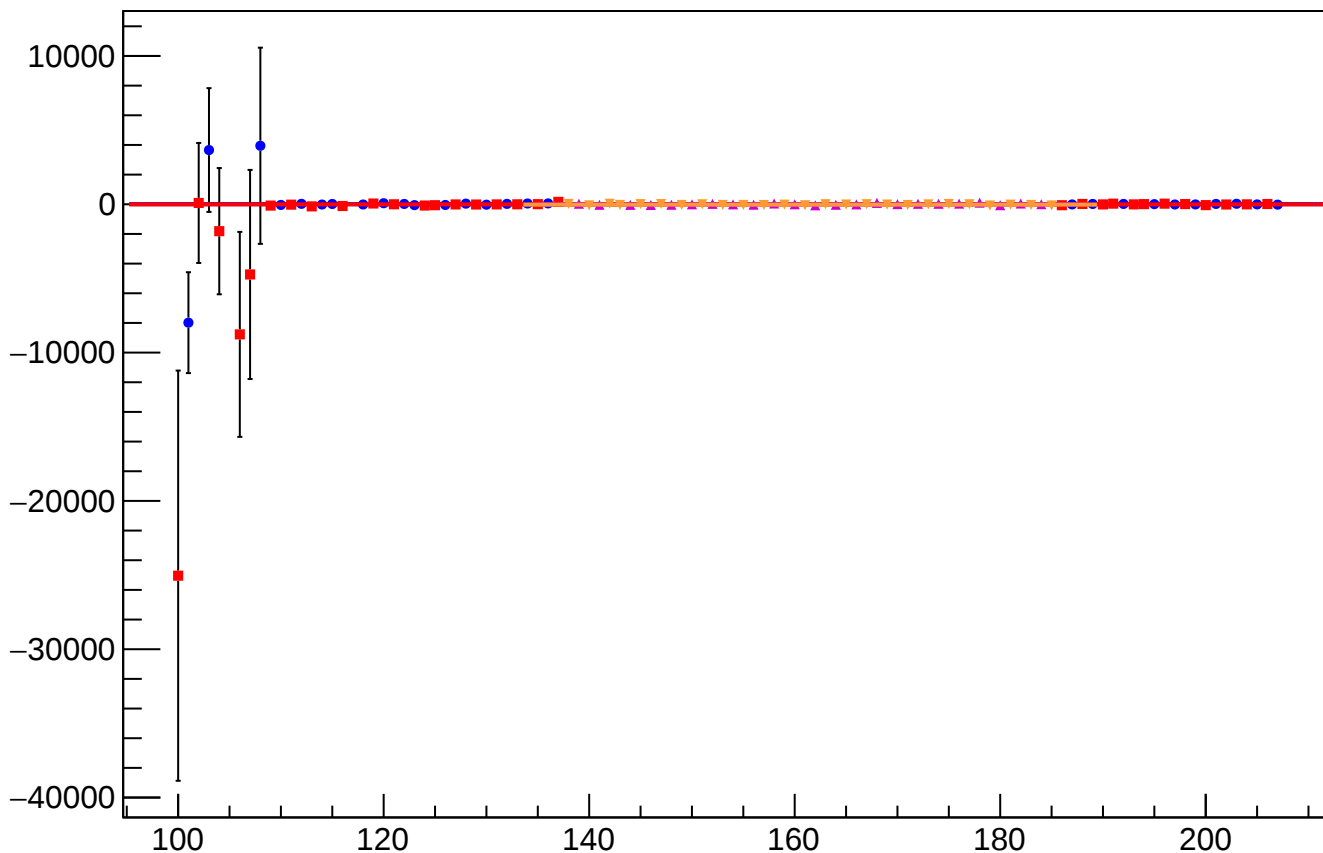
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF:1371411.2/22

+ sign 187.877 $\pm$ 0.025 χ^2 /NDF: 6666077.0/51

All: 184.213 $\pm$ 0.017 χ^2 /NDF: 13469401.7/10

- sign 180.753 $\pm$ 0.024 χ^2 /NDF: 6761358.9/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 8.654+/-8.619 χ^2/NDF : 18.1/26

Left Out: -23.320+/-7.352 χ^2/NDF :18.3/24

Right Out: -7.662+/-8.403 χ^2/NDF : 36.9/30

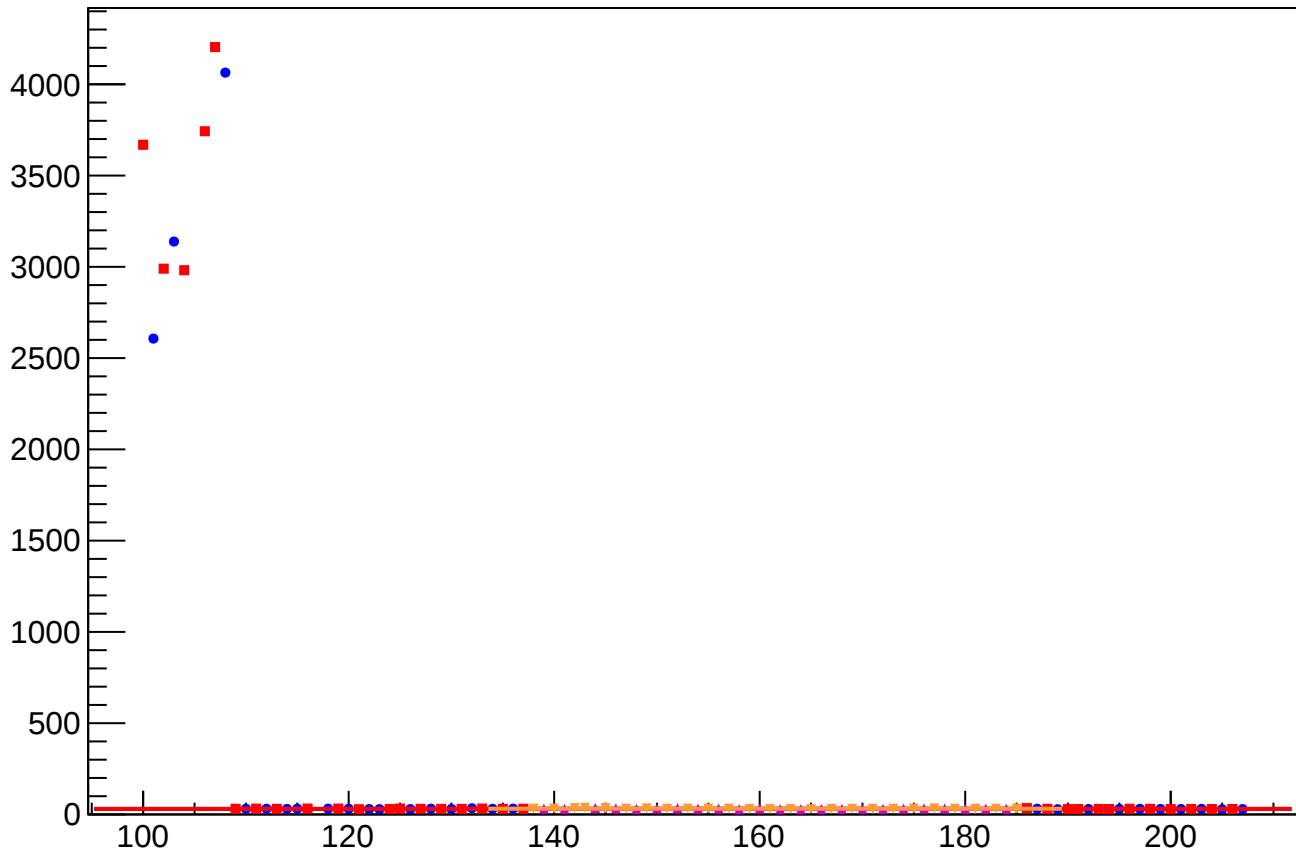
Left In: 6.386+/-7.577 χ^2/NDF :38.7/22

+ sign -9.854+/-5.593 χ^2/NDF : 44.4/51

All: -4.913+/-3.967 χ^2/NDF : 123.2/105

- sign 0.086+/-5.627 χ^2/NDF : 77.2/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.296 $\pm$ 0.006 χ^2 /NDF: 3036556.6/26

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.431 $\pm$ 0.006 χ^2 /NDF: 3483937.3/30

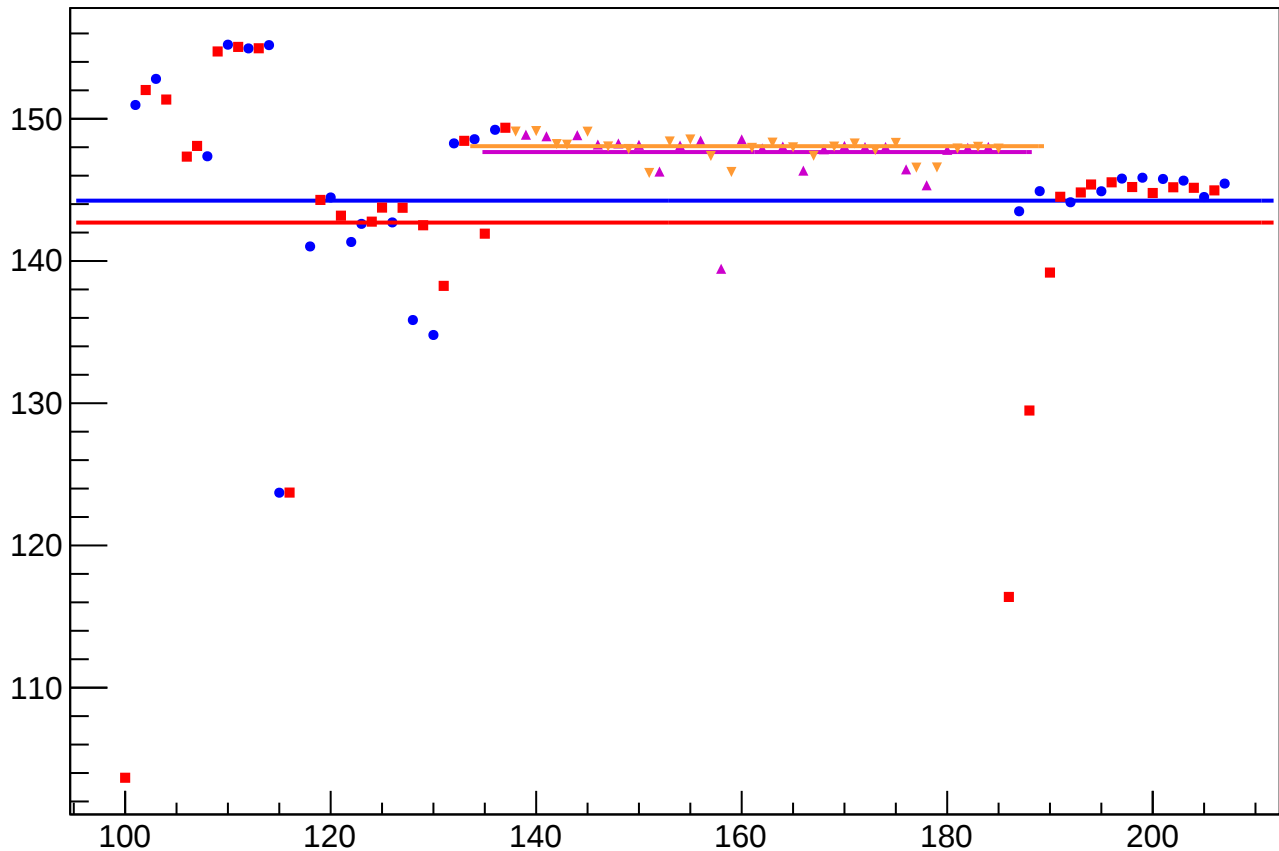
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 30.986 $\pm$ 0.004 χ^2 /NDF: 3140672.3/51

All: 30.996 $\pm$ 0.003 χ^2 /NDF: 6729464.1/105

- sign 31.007 $\pm$ 0.004 χ^2 /NDF: 3588777.7/53

yield_bcm_an_ds_mean vs Slug



Right In: 144.244 $\pm$ 0.000 χ^2 /NDF: 3486813520.8/26

Left Out: 148.074 $\pm$ 0.000 χ^2 /NDF: 65673678.9/24

Right Out: 142.702 $\pm$ 0.000 χ^2 /NDF: 7407168456.3/30

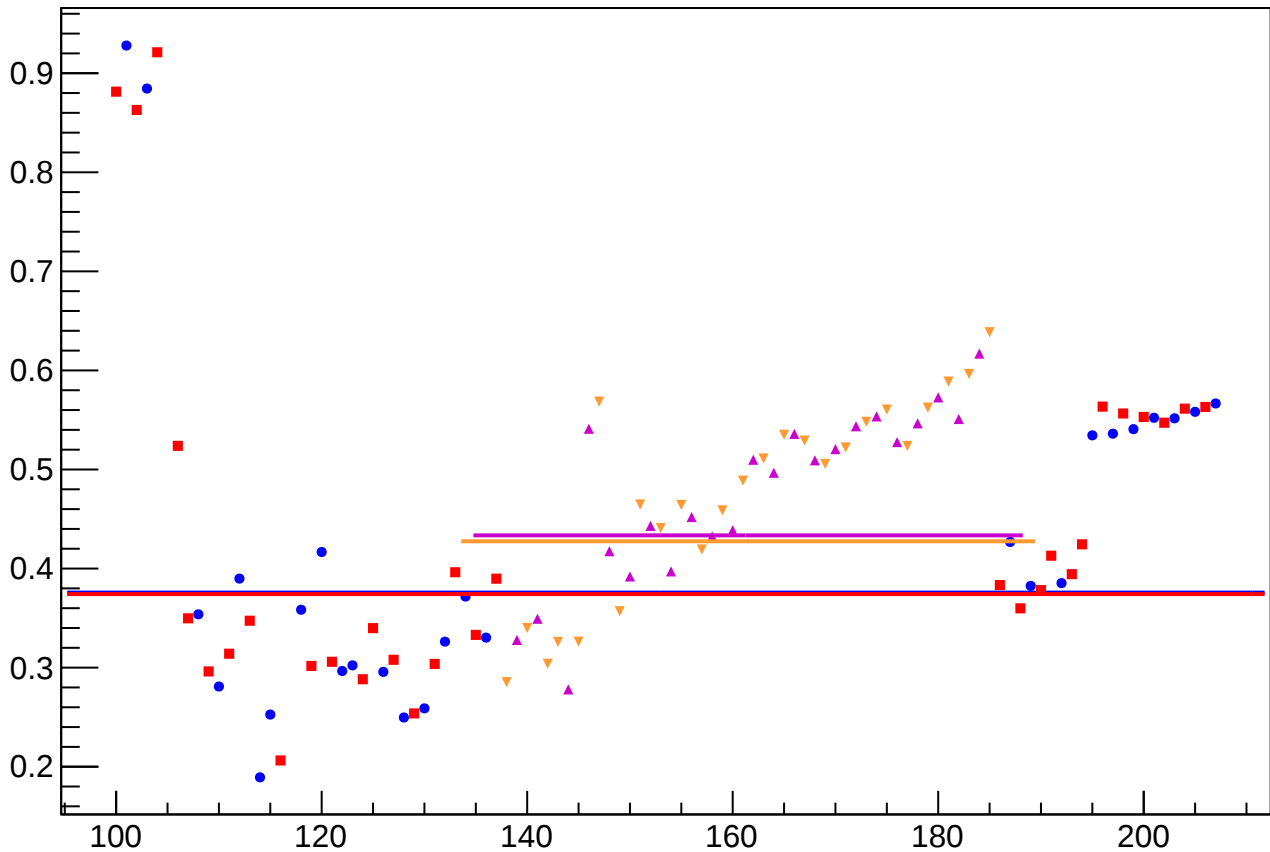
Left In: 147.660 $\pm$ 0.000 χ^2 /NDF: 343892338.9/22

+ sign 146.264 $\pm$ 0.000 χ^2 /NDF: 4194492419.8/51

All: 145.670 $\pm$ 0.000 χ^2 /NDF: 13164575742.

- sign 145.086 $\pm$ 0.000 χ^2 /NDF: 8847201660.2/53

yield_bcm_an_ds_rms vs Slug



Right In: 0.376 $\pm$ 0.000 χ^2 /NDF: 2730599.4/26

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.374 $\pm$ 0.000 χ^2 /NDF: 2529702.3/30

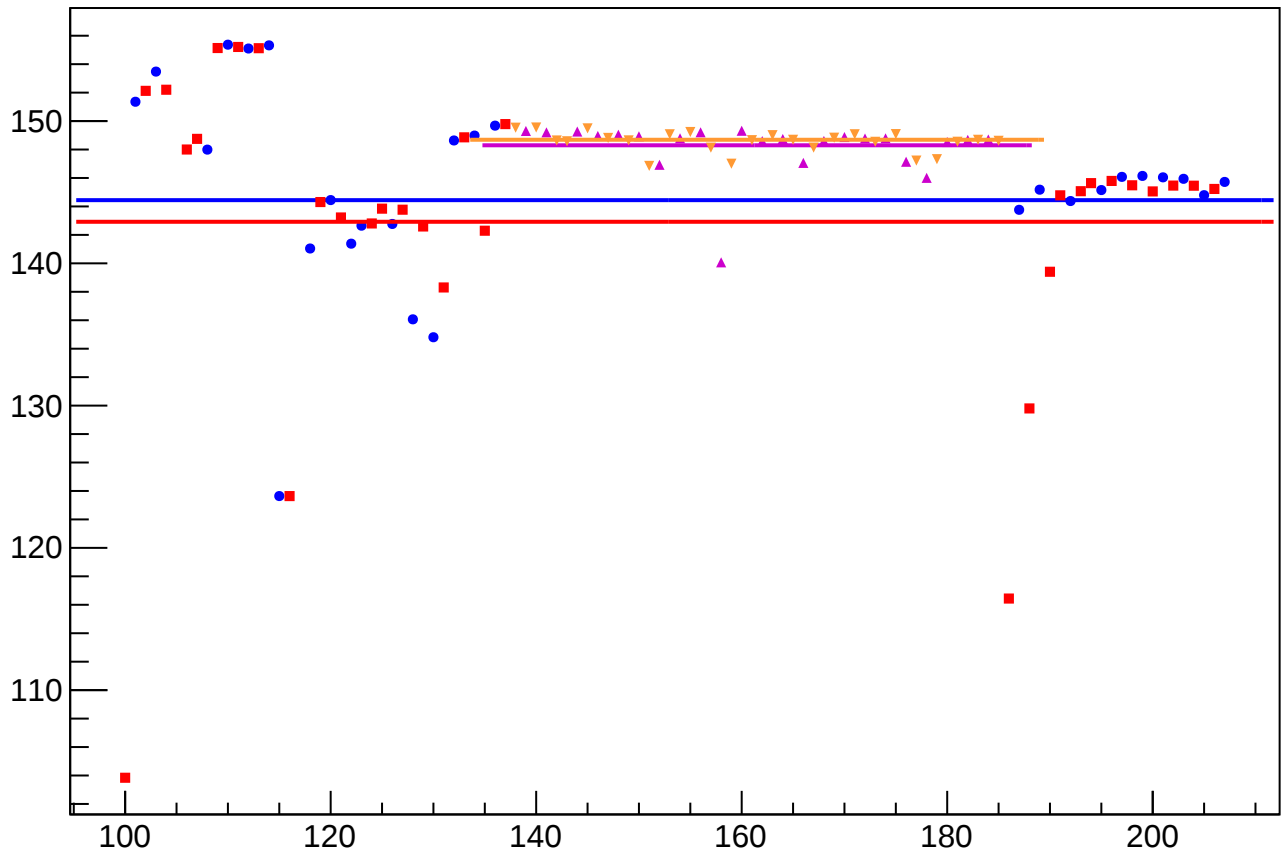
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.403 $\pm$ 0.000 χ^2 /NDF: 4858221.3/51

All: 0.403 $\pm$ 0.000 χ^2 /NDF: 9180564.7/105

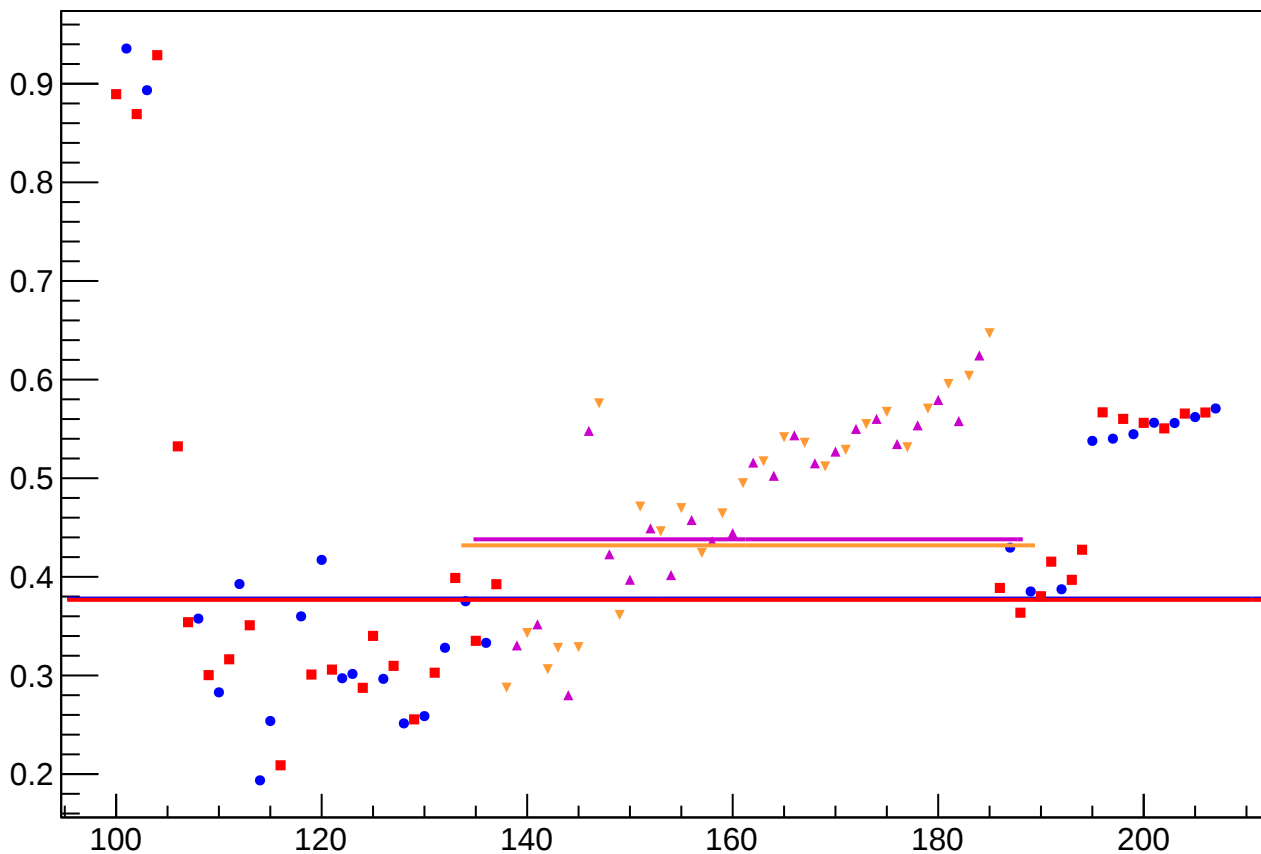
- sign 0.403 $\pm$ 0.000 χ^2 /NDF: 4322326.3/53

yield_bcm_an_ds3_mean vs Slug



Right In: 144.441 ± 0.000 χ^2/NDF : 3535434140.5/26
 Left Out: 148.687 ± 0.000 χ^2/NDF : 52285197.5/24
 Right Out: 142.922 ± 0.000 χ^2/NDF : 7355632171.4/30
 Left In: 148.298 ± 0.000 χ^2/NDF : 332527463.6/22
 + sign 146.671 ± 0.000 χ^2/NDF : 4363686807.9/51
 All: 146.078 ± 0.000 χ^2/NDF : 13438205010.
 - sign 145.495 ± 0.000 χ^2/NDF : 8954207753.6/53

yield_bcm_an_ds3_rms vs Slug



Right In: 0.378 $\pm$ 0.000 χ^2 /NDF: 2738666.2/26

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.377 $\pm$ 0.000 χ^2 /NDF: 2533608.0/30

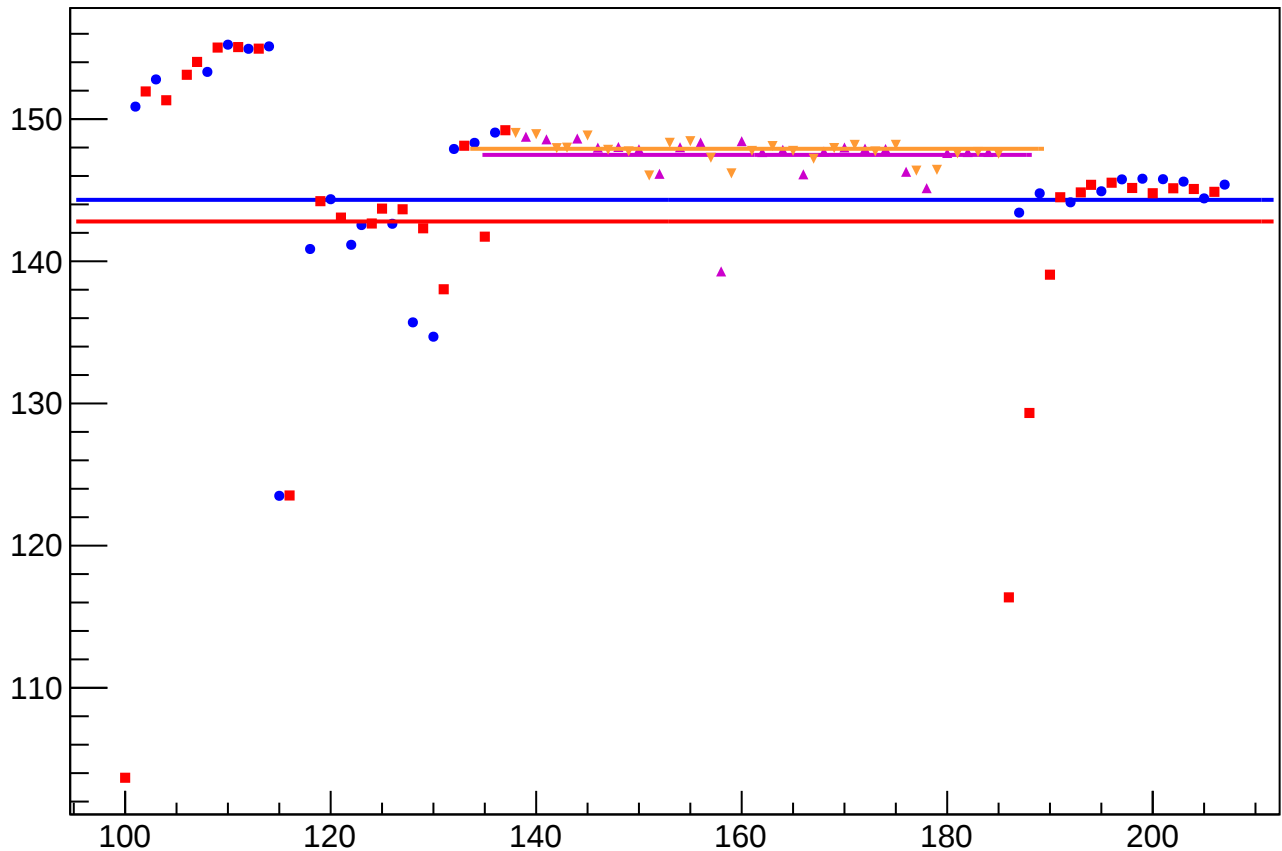
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.406 $\pm$ 0.000 χ^2 /NDF: 4914217.6/51

All: 0.406 $\pm$ 0.000 χ^2 /NDF: 9282119.9/105

- sign 0.406 $\pm$ 0.000 χ^2 /NDF: 4367893.9/53

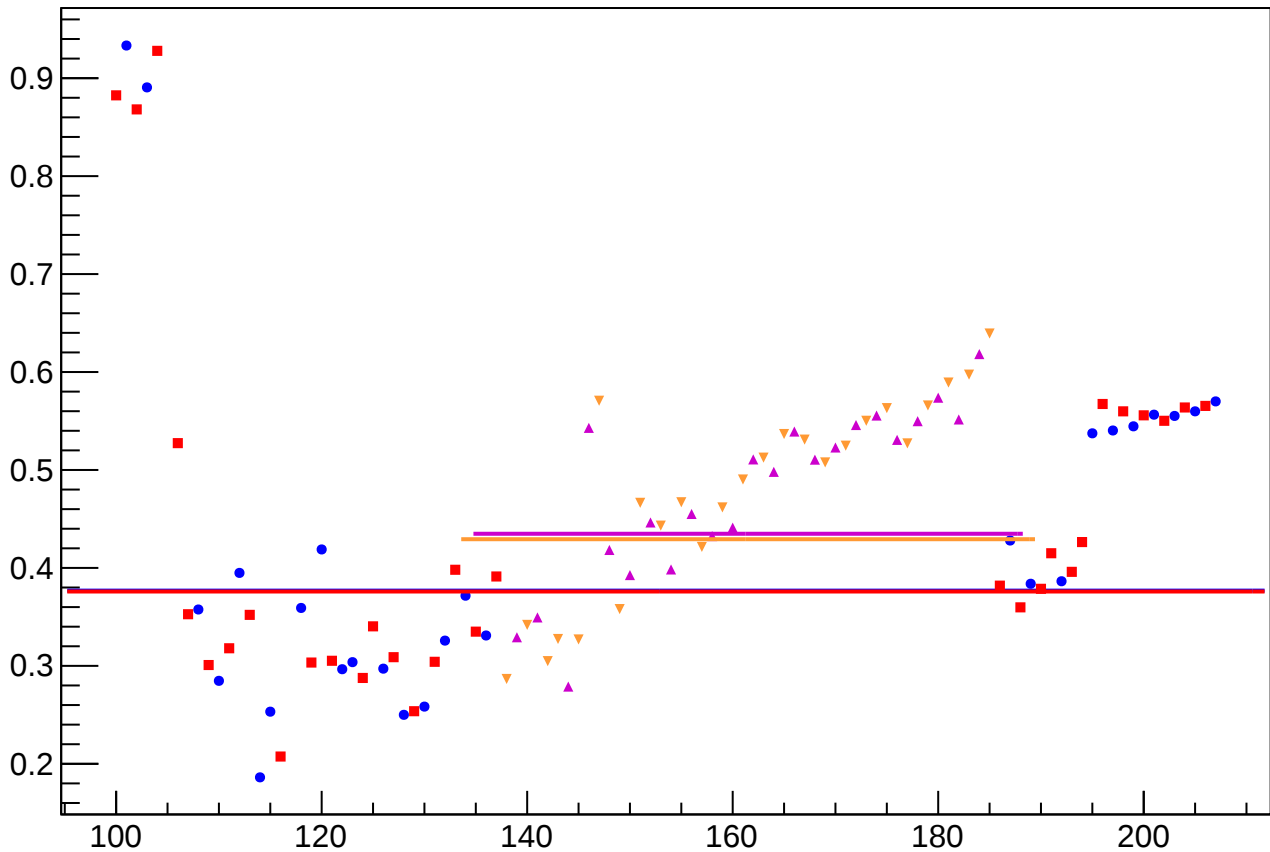
yield_bcm_an_us_mean vs Slug



Right In: 144.321 ± 0.000 χ^2/NDF : 3692850973.2/26
 Left Out: 147.912 ± 0.000 χ^2/NDF : 64463426.1/24
 Right Out: 142.800 ± 0.000 χ^2/NDF : 7784278939.4/30
 Left In: 147.483 ± 0.000 χ^2/NDF : 342674720.4/22

+ sign 146.214 ± 0.000 χ^2/NDF : 4317287621.0/51
 All: 145.629 ± 0.000 χ^2/NDF : 13532857176.
 - sign 145.054 ± 0.000 χ^2/NDF : 9097429491.3/53

yield_bcm_an_us_rms vs Slug



Right In: 0.377 $\pm$ 0.000 χ^2 /NDF: 2763402.7/26

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.376 $\pm$ 0.000 χ^2 /NDF: 2534238.3/30

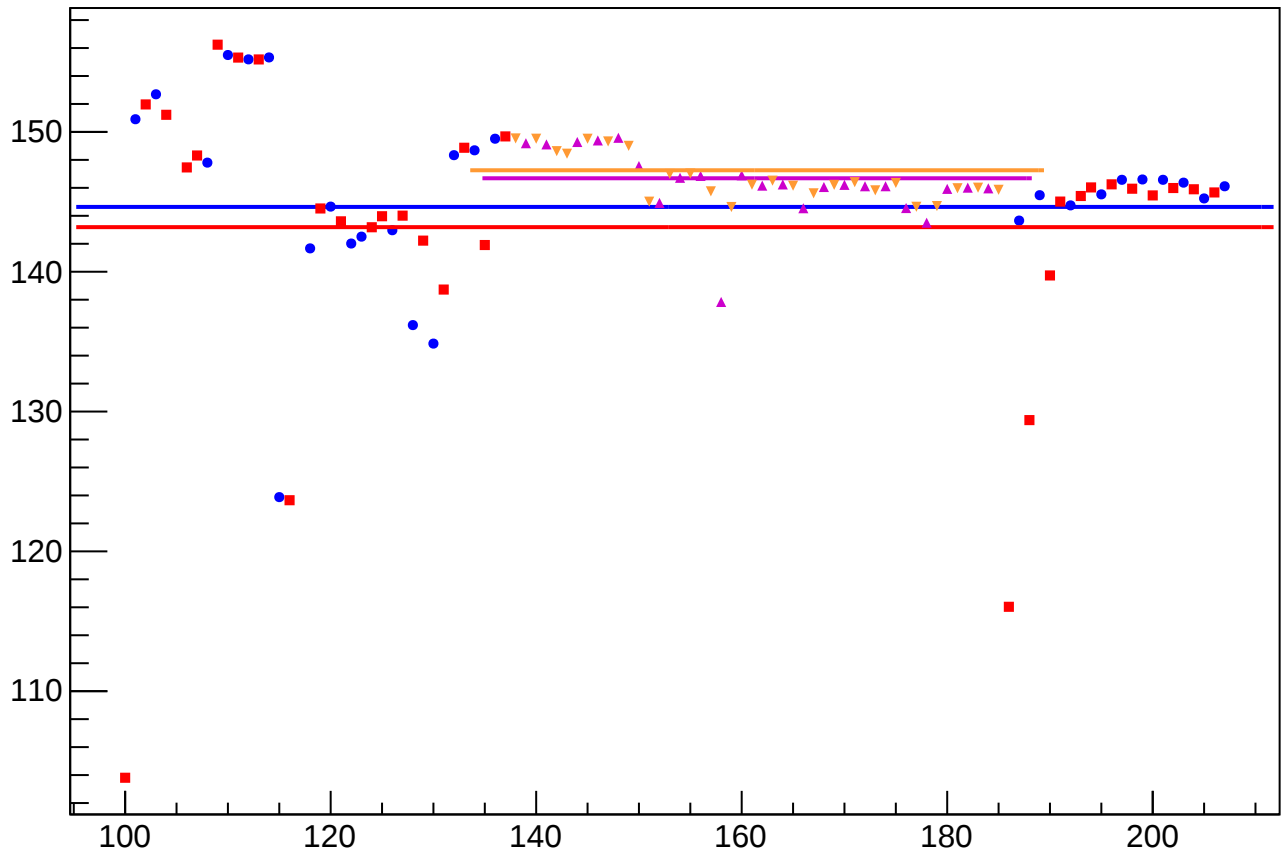
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.404 $\pm$ 0.000 χ^2 /NDF: 4894412.4/51

All: 0.404 $\pm$ 0.000 χ^2 /NDF: 9222137.4/105

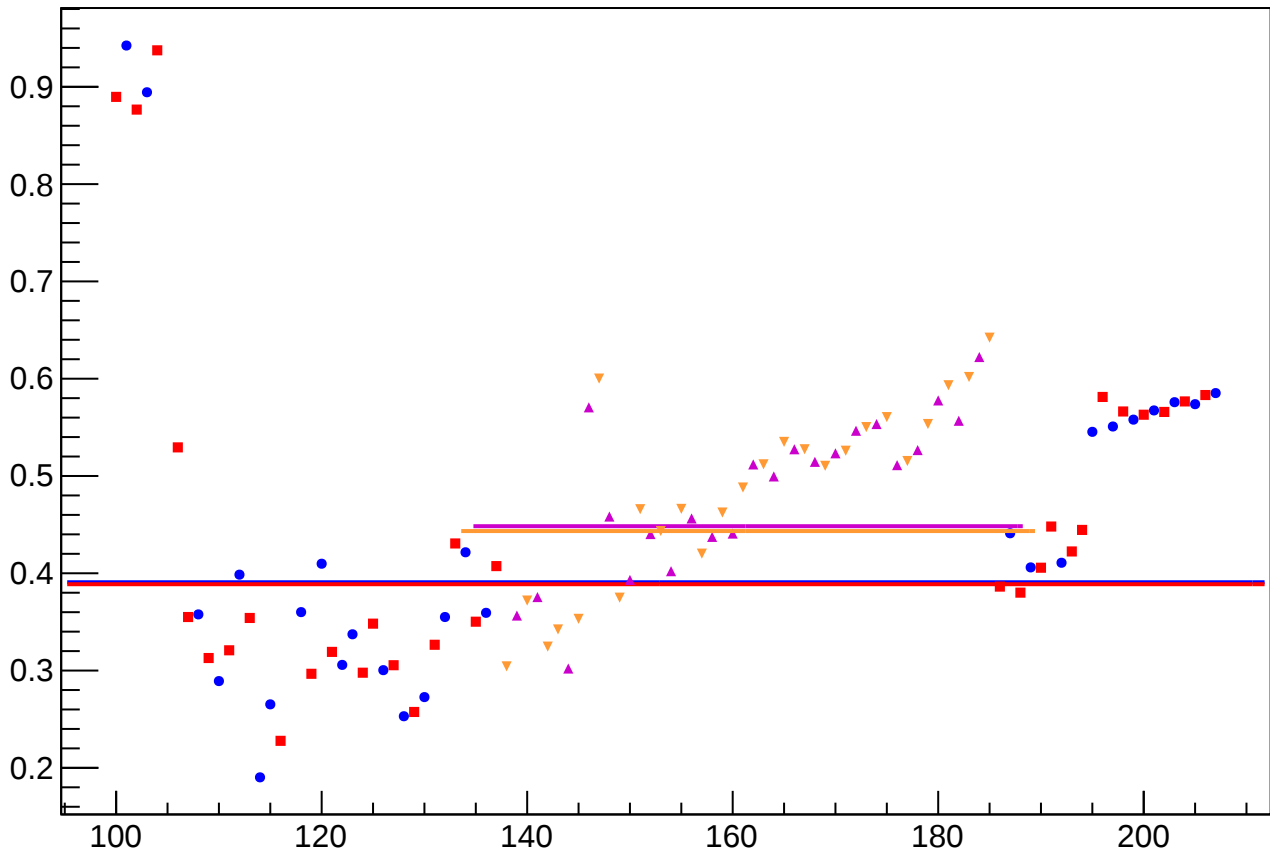
- sign 0.404 $\pm$ 0.000 χ^2 /NDF: 4327719.2/53

yield_bcm_dg_us_mean vs Slug



Right In: 144.636 $\pm$ 0.000	χ^2 /NDF: 3219115696.1/26	+ sign 146.030 $\pm$ 0.000	χ^2 /NDF: 3760699979.8/51
Left Out: 147.257 $\pm$ 0.000	χ^2 /NDF: 261906278.3/24	All: 145.453 $\pm$ 0.000	χ^2 /NDF: 12054205504.
Right Out: 143.189 $\pm$ 0.000	χ^2 /NDF: 7121579127.8/30	- sign 144.888 $\pm$ 0.000	χ^2 /NDF: 8185760687.2/53
Left In: 146.685 $\pm$ 0.000	χ^2 /NDF: 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.391 $\pm$ 0.000 χ^2 /NDF: 2693897.6/26

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.389 $\pm$ 0.000 χ^2 /NDF: 2471789.0/30

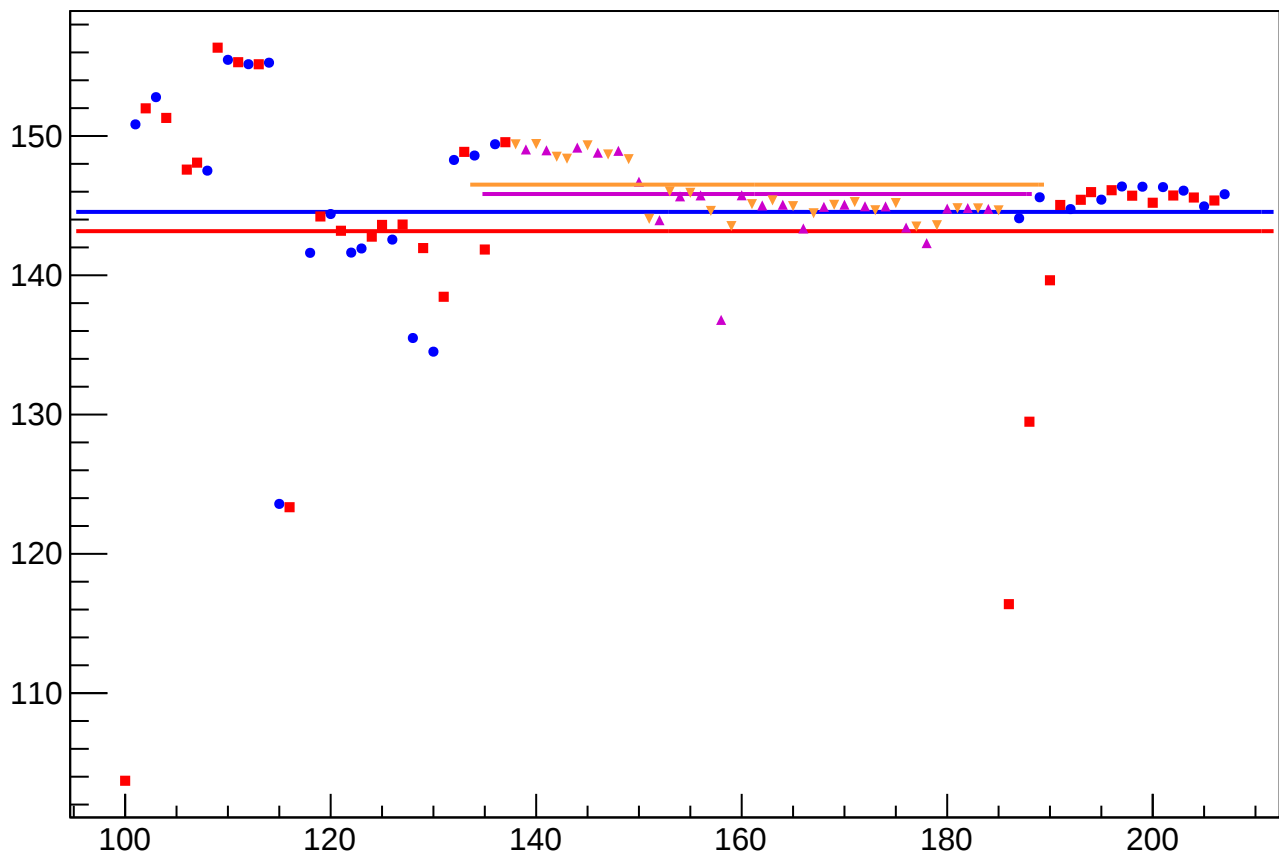
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.419 $\pm$ 0.000 χ^2 /NDF: 4399927.5/51

All: 0.418 $\pm$ 0.000 χ^2 /NDF: 8288620.6/105

- sign 0.418 $\pm$ 0.000 χ^2 /NDF: 3888523.4/53

yield_bcm_dg_ds_mean vs Slug



Right In: 144.550 $\pm$ 0.000 χ^2 /NDF: 3328908593.1/26

Left Out: 146.508 $\pm$ 0.000 χ^2 /NDF: 401248837.9/24

Right Out: 143.167 $\pm$ 0.000 χ^2 /NDF: 7075428558.8/30

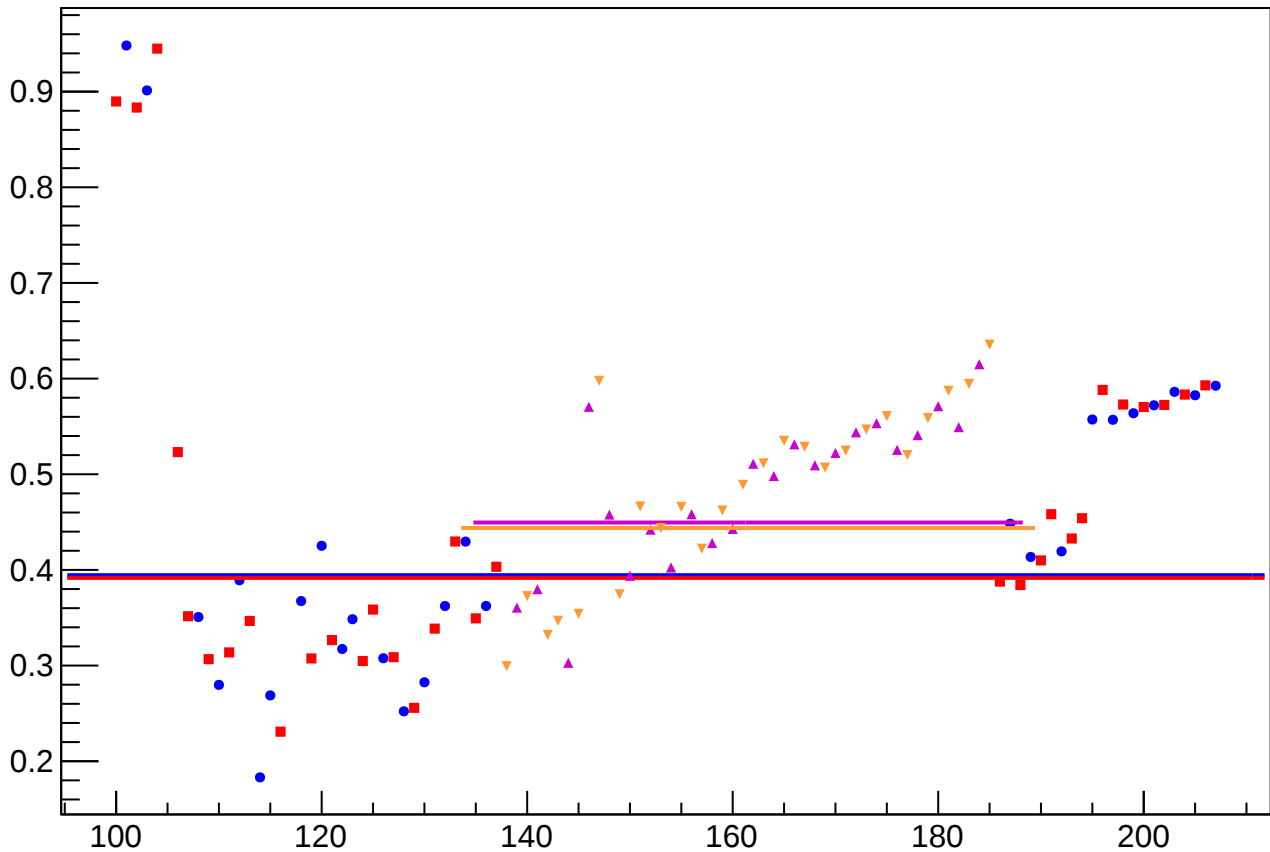
Left In: 145.834 $\pm$ 0.000 χ^2 /NDF: 690172810.0/22

+ sign 145.602 $\pm$ 0.000 χ^2 /NDF: 3884164226.0/51

All: 145.031 $\pm$ 0.000 χ^2 /NDF: 12046848428.0/101

- sign 144.472 $\pm$ 0.000 χ^2 /NDF: 8058593578.2/53

yield_bcm_dg_ds_rms vs Slug



Right In: 0.394 $\pm$ 0.000 χ^2 /NDF: 2743332.1/26

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1460383.7/24

Right Out: 0.392 $\pm$ 0.000 χ^2 /NDF: 2504299.4/30

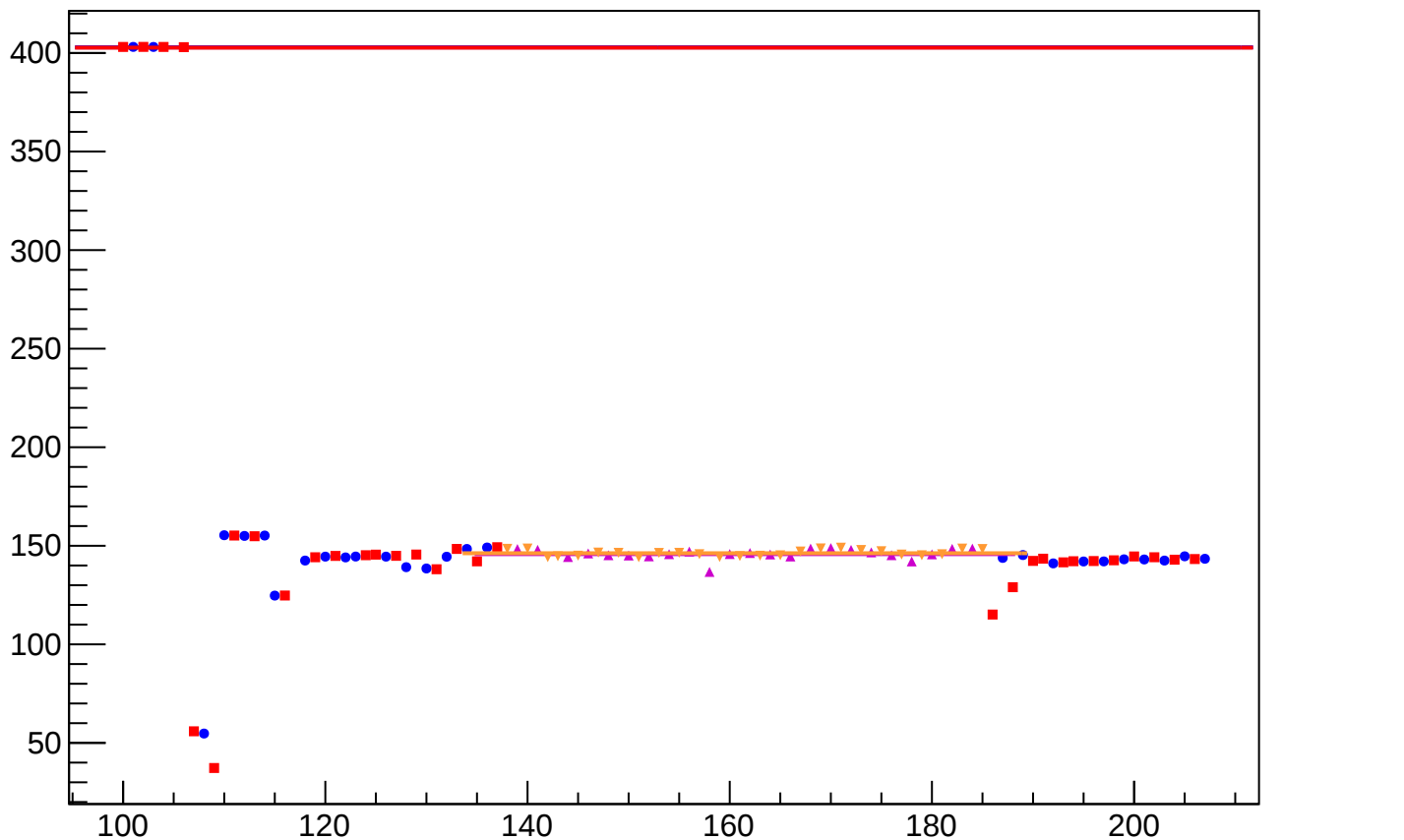
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1092776.5/22

+ sign 0.421 $\pm$ 0.000 χ^2 /NDF: 4399027.0/51

All: 0.420 $\pm$ 0.000 χ^2 /NDF: 8272120.2/105

- sign 0.420 $\pm$ 0.000 χ^2 /NDF: 3872932.2/53

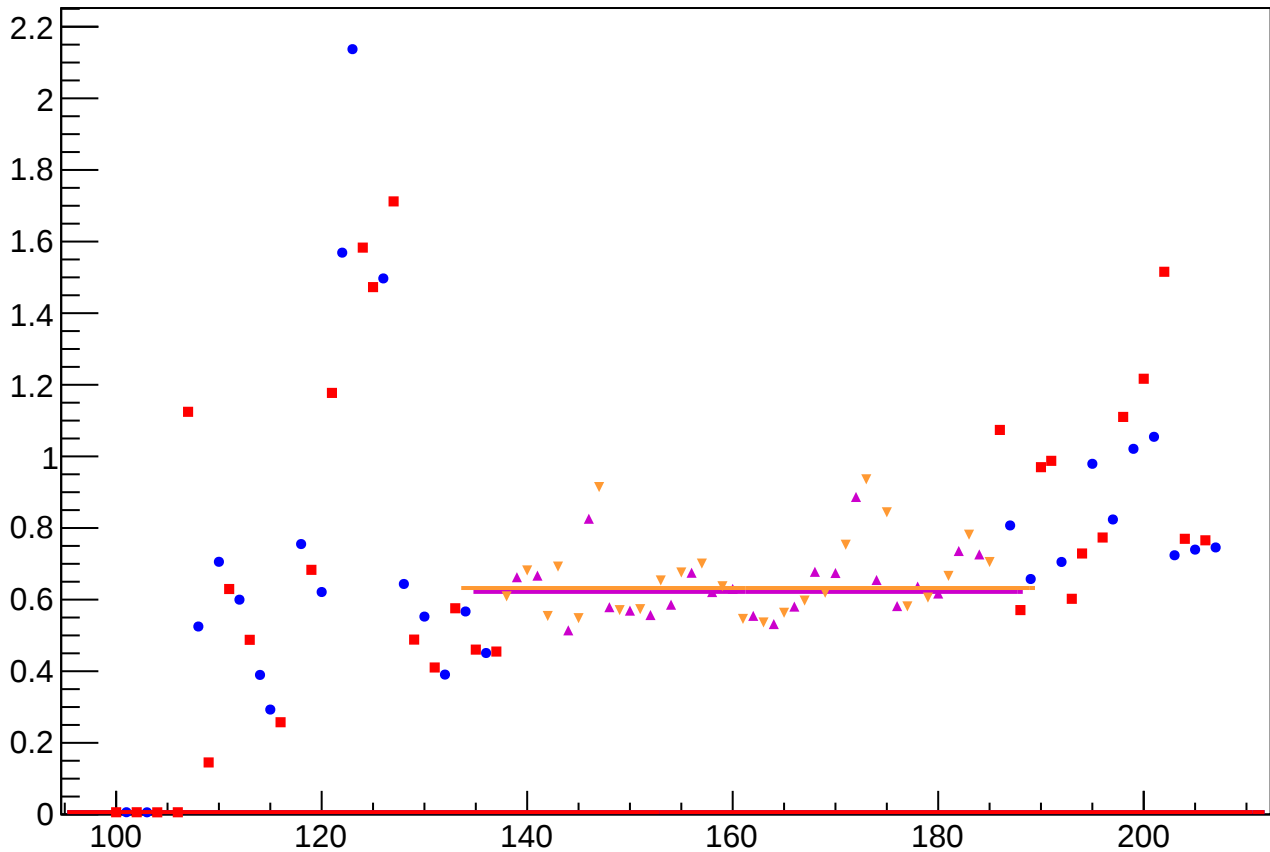
yield_cav4bQ_mean vs Slug



Right In: 402.883 $\pm$ 0.000 χ^2 /NDF: 1697996571789.8/26
 Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 86042286.3/24
 Right Out: 402.718 $\pm$ 0.000 χ^2 /NDF: 3855314982846.0/30
 Left In: 145.755 $\pm$ 0.000 χ^2 /NDF: 206171532.0/22

+ sign 402.588 $\pm$ 0.000 χ^2 /NDF: 4057925906466.6
 All: 402.521 $\pm$ 0.000 χ^2 /NDF: 102417463150
 - sign 402.461 $\pm$ 0.000 χ^2 /NDF: 6183553607792.9

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 20388088.2/26

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 22362471.0/30

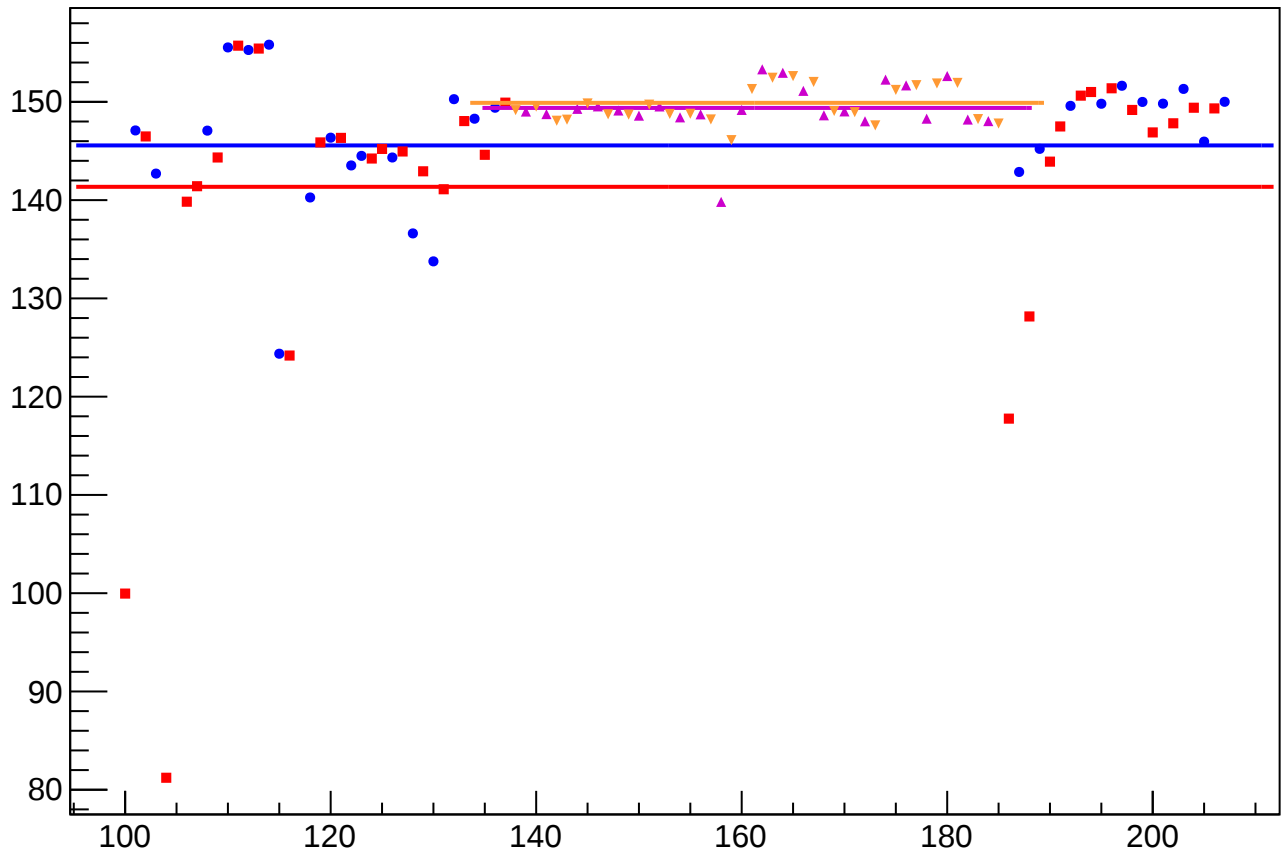
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 49062928.9/51

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 98500081.8/105

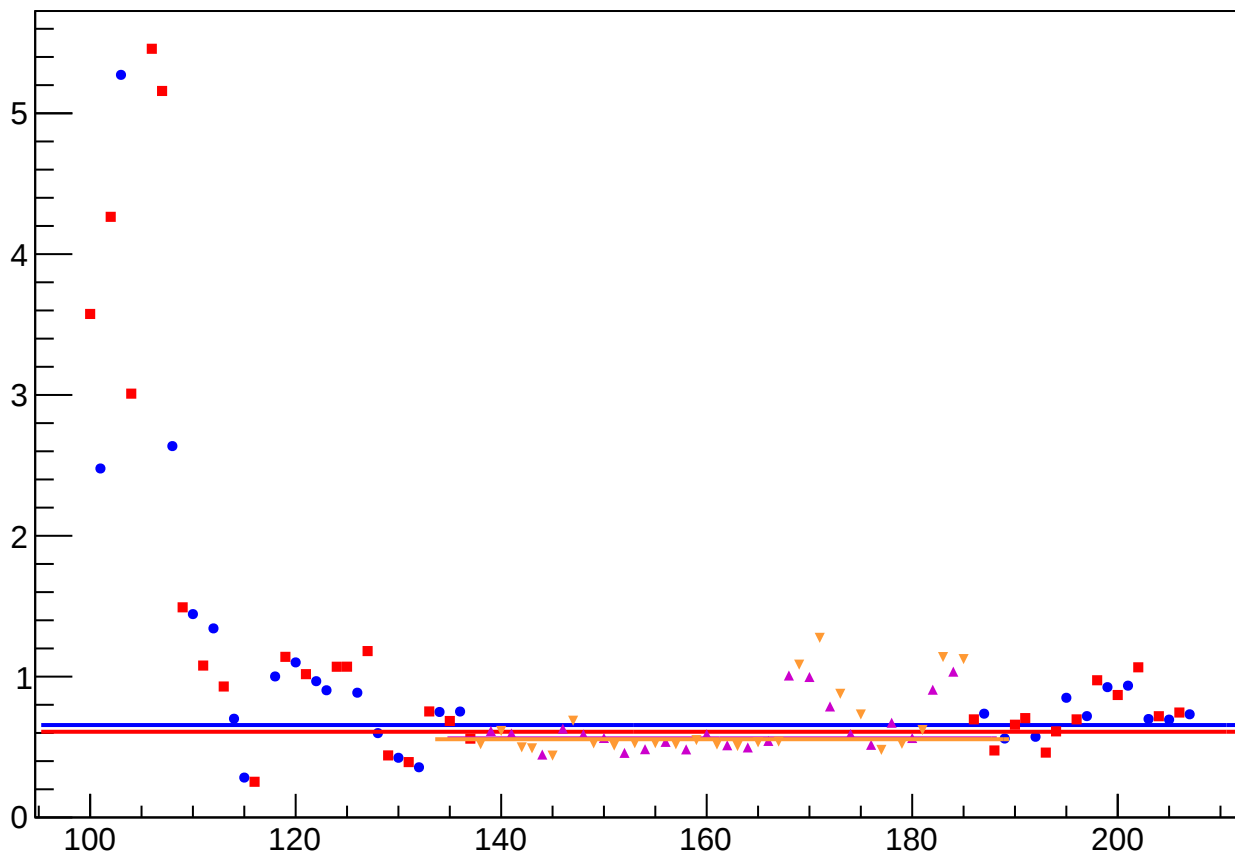
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 49436755.1/53

yield_cav4cQ_mean vs Slug



Right In: 145.566 $\pm$ 0.000	χ^2 /NDF: 1328972517.2/26	+ sign 148.607 $\pm$ 0.000	χ^2 /NDF: 1776097377.2/51
Left Out: 149.900 $\pm$ 0.000	χ^2 /NDF: 162845622.6/24	All: 147.547 $\pm$ 0.000	χ^2 /NDF: 6710607749.8
Right Out: 141.354 $\pm$ 0.000	χ^2 /NDF: 3247297286.8/30	- sign 146.506 $\pm$ 0.000	χ^2 /NDF: 4773388093.9/53
Left In: 149.382 $\pm$ 0.000	χ^2 /NDF: 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.656 ± 0.000 χ^2/NDF : 4007857.4/26

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.608 ± 0.000 χ^2/NDF : 5544050.6/30

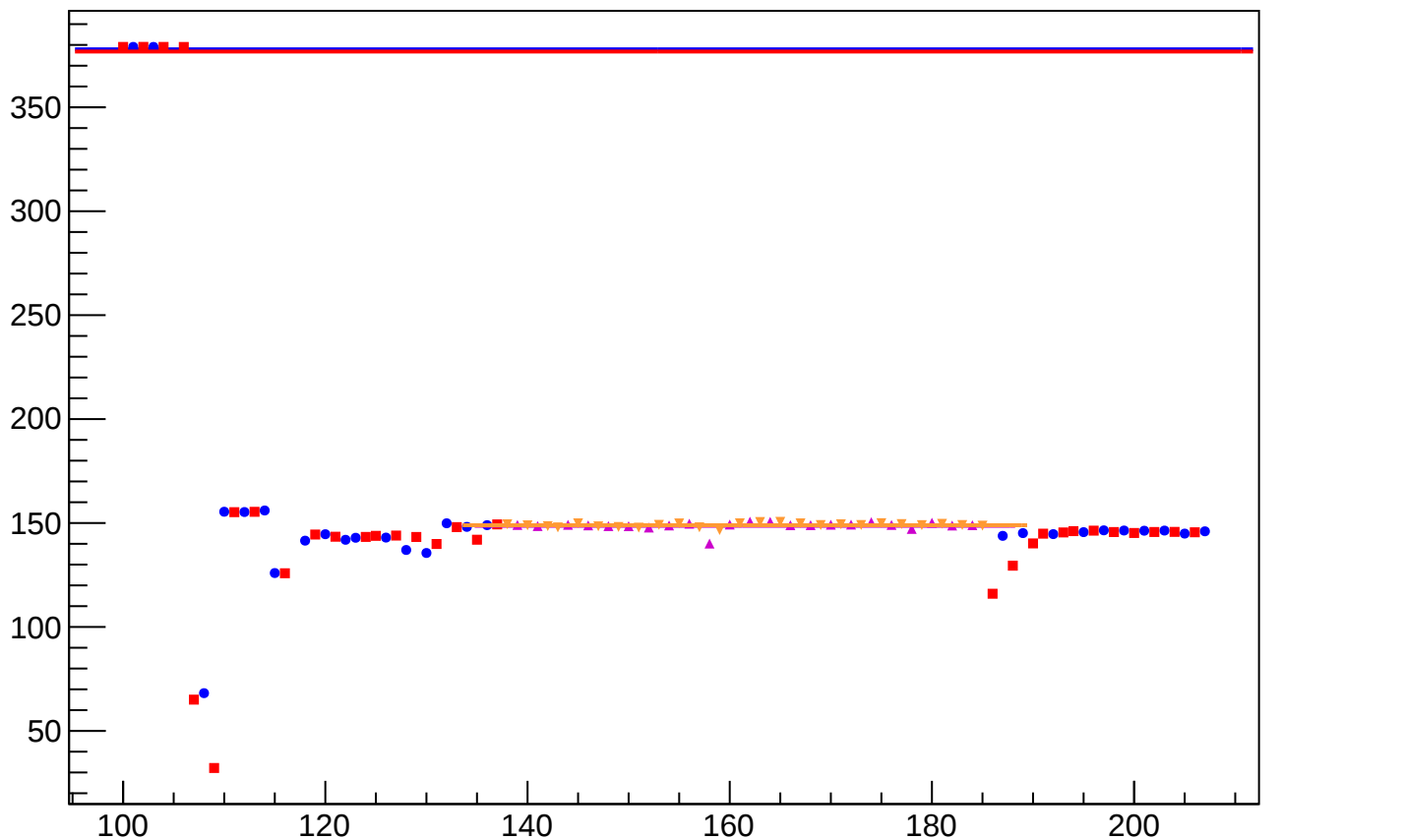
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.586 ± 0.000 χ^2/NDF : 6088681.5/51

All: 0.582 ± 0.000 χ^2/NDF : 13015891.2/105

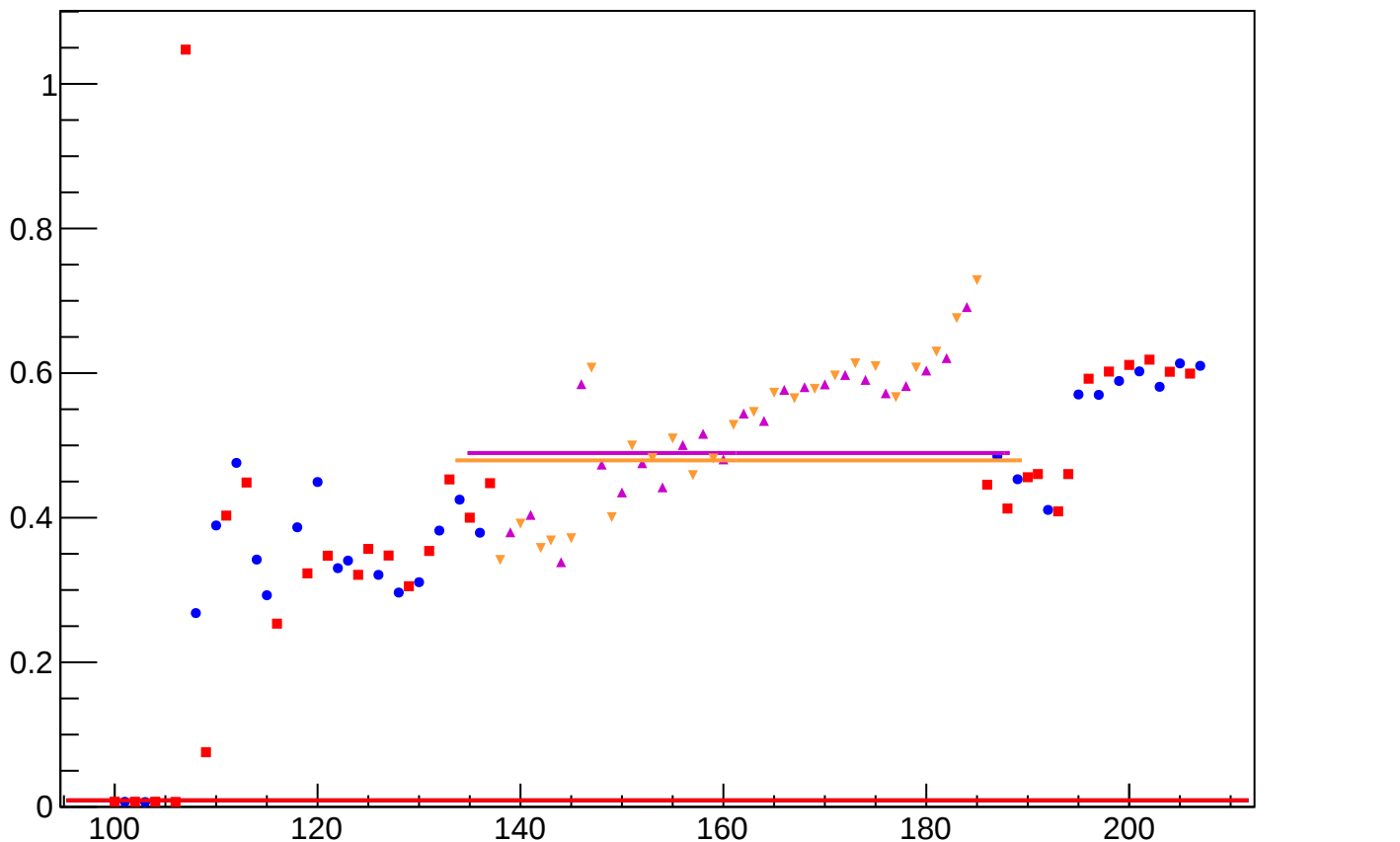
- sign 0.579 ± 0.000 χ^2/NDF : 6923610.7/53

yield_cav4dQ_mean vs Slug



Right In: 377.879+/-0.000	χ^2/NDF : 3758987360400.5/26	+ sign 376.604+/-0.000	χ^2/NDF : 7652477043457.0
Left Out: 148.944+/-0.000	χ^2/NDF : 63976941.3/24	All: 376.178+/-0.000	χ^2/NDF : 211497522764
Right Out: 376.825+/-0.000	χ^2/NDF : 9948110112903.1/30	- sign 375.804+/-0.000	χ^2/NDF : 13492702817882.7
Left In: 148.672+/-0.000	χ^2/NDF : 252846428.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 23131301.8/26

Left Out: 0.479+/-0.000 χ^2/NDF :1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 24531443.1/30

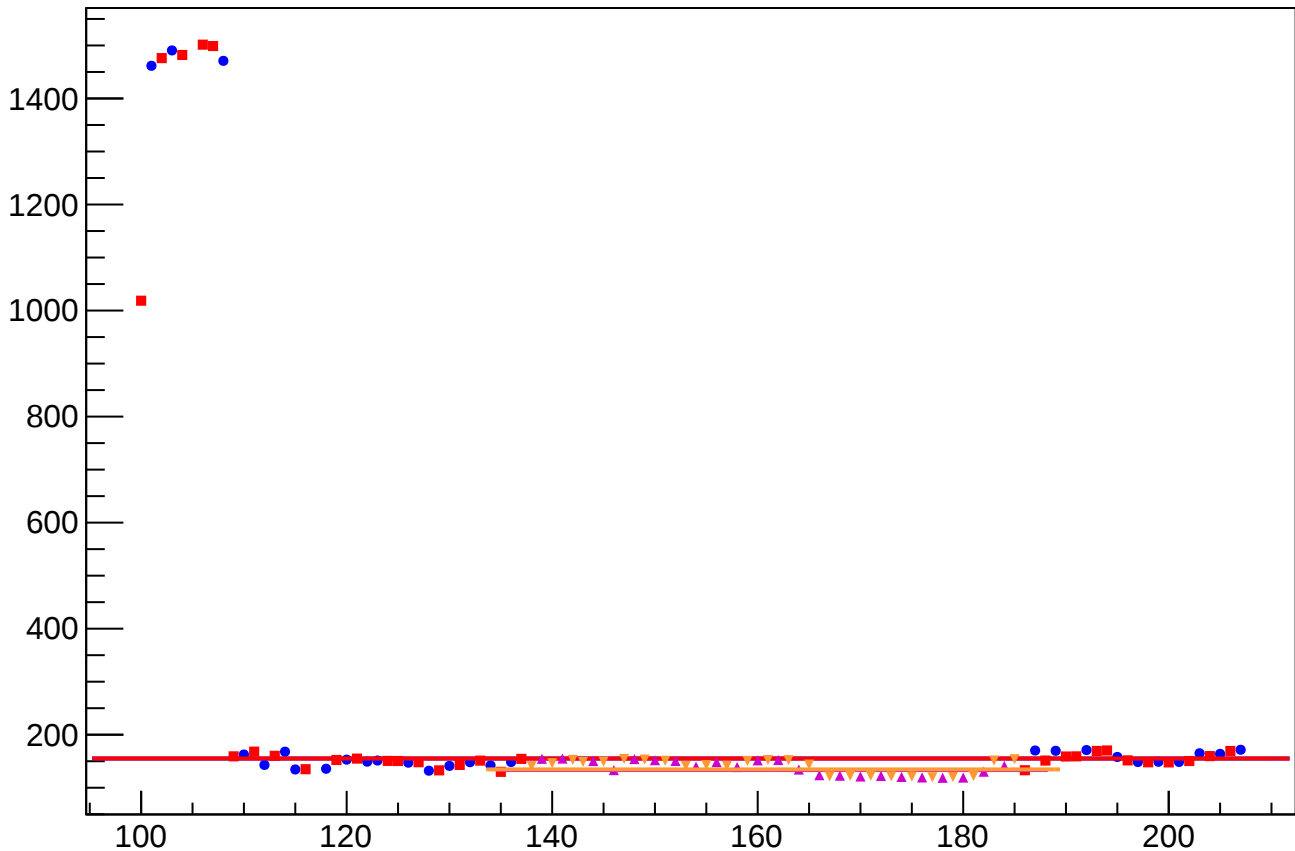
Left In: 0.489+/-0.000 χ^2/NDF :1076134.2/22

+ sign 0.012+/-0.000 χ^2/NDF : 57503646.7/51

All: 0.011+/-0.000 χ^2/NDF : 114535255.4/105

- sign 0.011+/-0.000 χ^2/NDF : 57029335.2/53

yield_bcm0l02_mean vs Slug



Right In: 155.118 $\pm$ 0.000 χ^2 /NDF: 25928823922.7/26

Left Out: 134.554 $\pm$ 0.000 χ^2 /NDF: 4376966869.3/24

Right Out: 155.107 $\pm$ 0.000 χ^2 /NDF: 34997213561.7/30

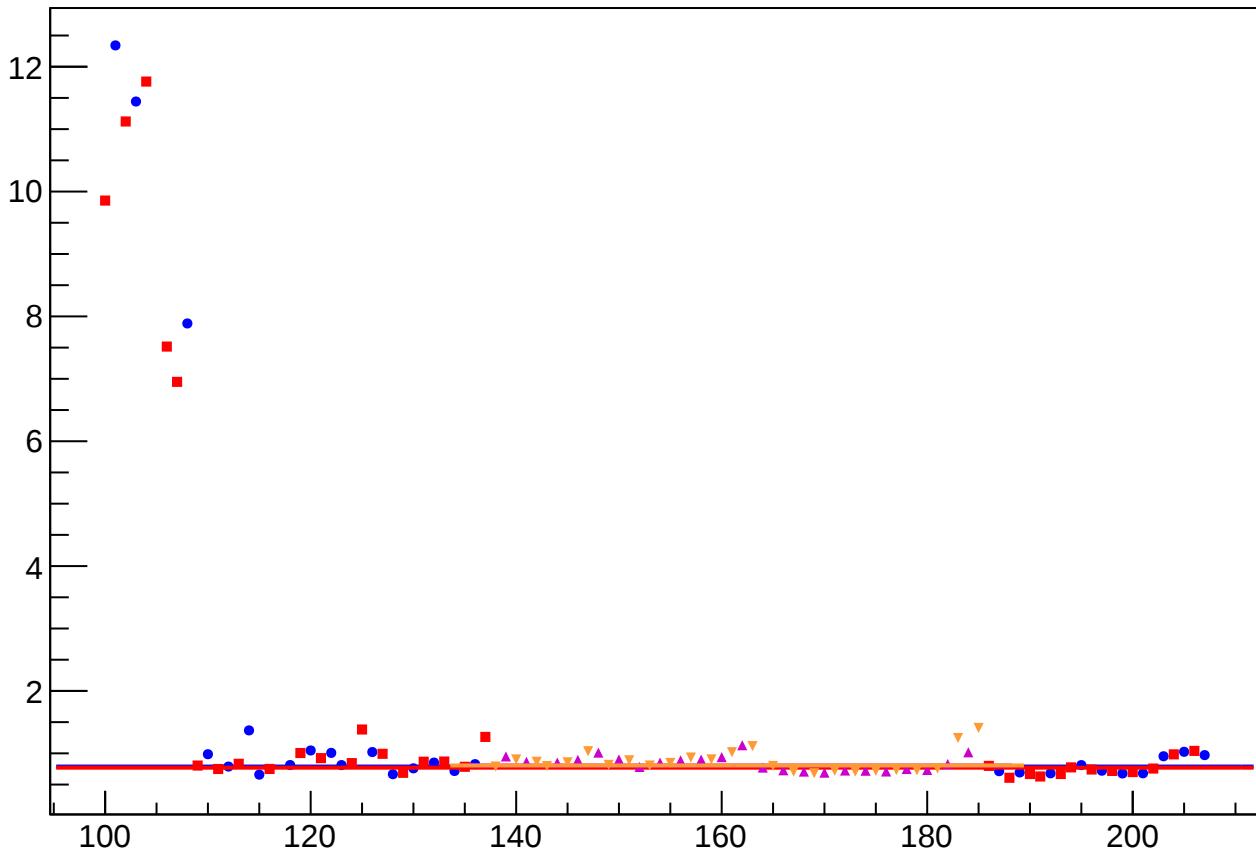
Left In: 133.337 $\pm$ 0.000 χ^2 /NDF: 4303812119.2/22

+ sign 142.818 $\pm$ 0.000 χ^2 /NDF: 34335706726.5/51

All: 142.929 $\pm$ 0.000 χ^2 /NDF: 78438929836.5/101

- sign 143.036 $\pm$ 0.000 χ^2 /NDF: 44102265864.5/53

yield_bcm0l02_rms vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3007386.9/26

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF:690578.5/24

Right Out: 0.771 $\pm$ 0.000 χ^2 /NDF: 3297804.1/30

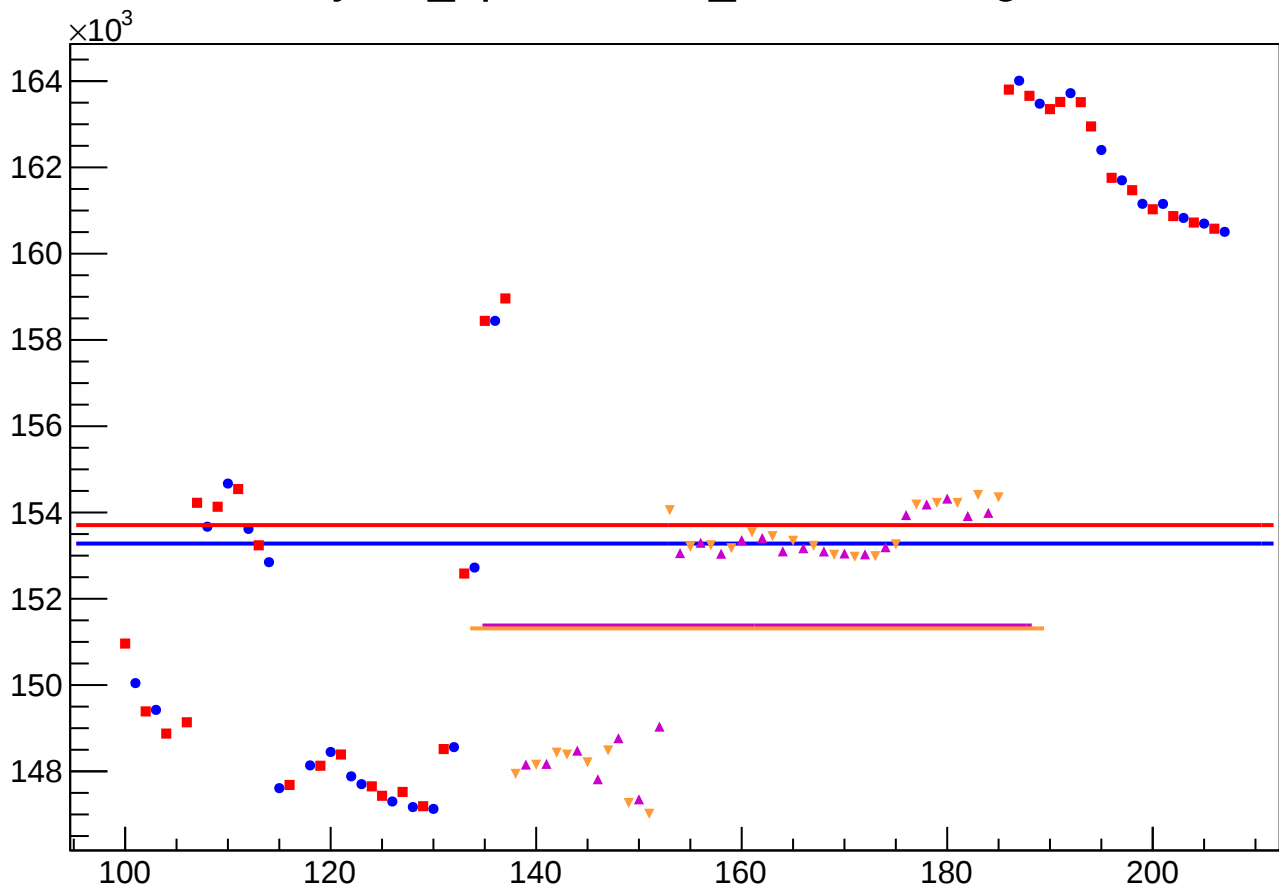
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF:480510.8/22

+ sign 0.799 $\pm$ 0.000 χ^2 /NDF: 3703967.2/51

All: 0.794 $\pm$ 0.000 χ^2 /NDF: 7509605.4/105

- sign 0.790 $\pm$ 0.000 χ^2 /NDF: 3802032.2/53

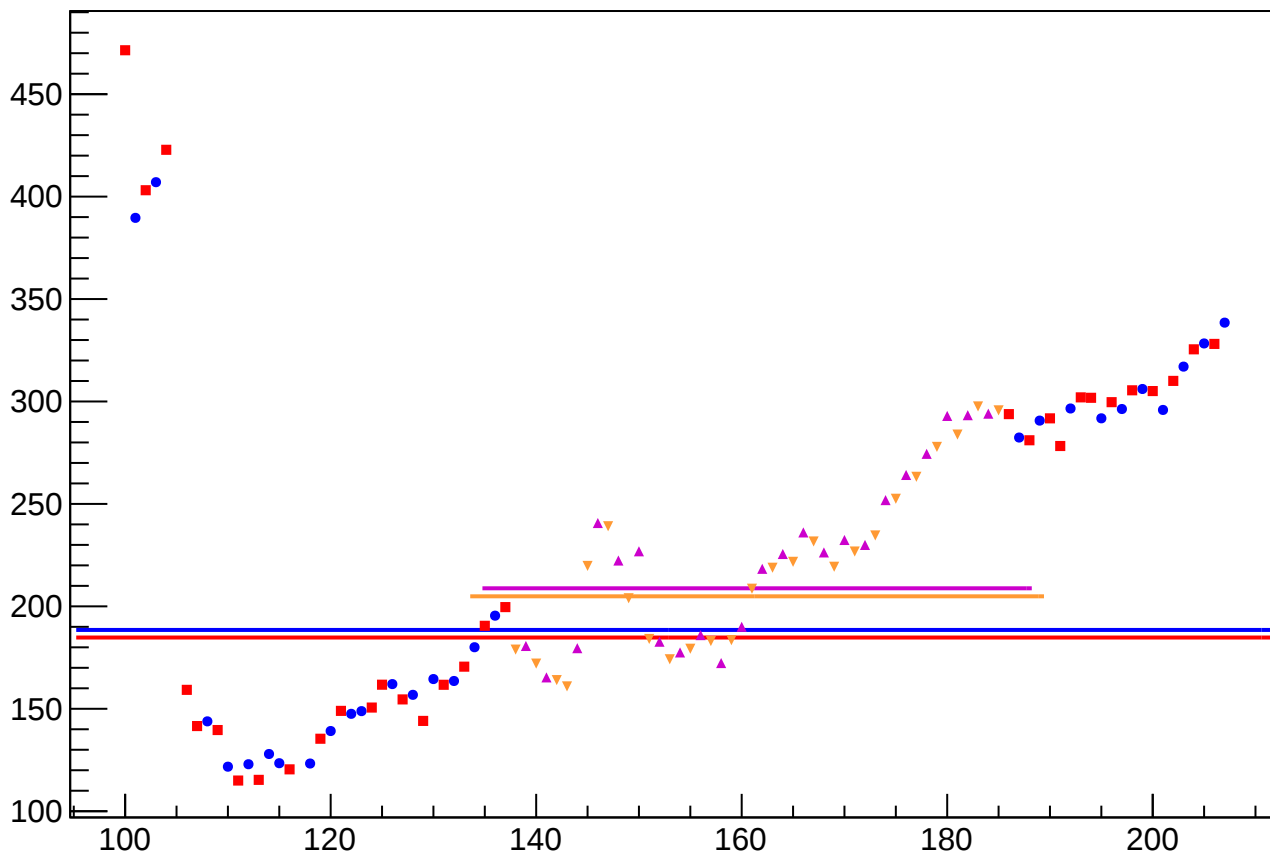
yield_bpm0i01WS_mean vs Slug



Right In: 153279.495 ± 0.055 $\chi^2/\text{NDF}: 10663683320.0/26$
 Left Out: 151313.284 ± 0.049 $\chi^2/\text{NDF}: 3153768134.8/24$
 Right Out: 153707.609 ± 0.052 $\chi^2/\text{NDF}: 11581228648.1/30$
 Left In: 151380.236 ± 0.051 $\chi^2/\text{NDF}: 2363895785.3/22$

+ sign 152172.650 ± 0.037 $\chi^2/\text{NDF}: 14530360924.6/24$
 All: 152347.042 ± 0.026 $\chi^2/\text{NDF}: 295348240.0/24$
 - sign 152521.577 ± 0.037 $\chi^2/\text{NDF}: 14958856499.6/24$

yield_bpm0i01WS_rms vs Slug



Right In: 188.486 $\pm$ 0.039 χ^2 /NDF: 3919187.6/26

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF: 1056380.8/24

Right Out: 184.783 $\pm$ 0.037 χ^2 /NDF: 4392464.4/30

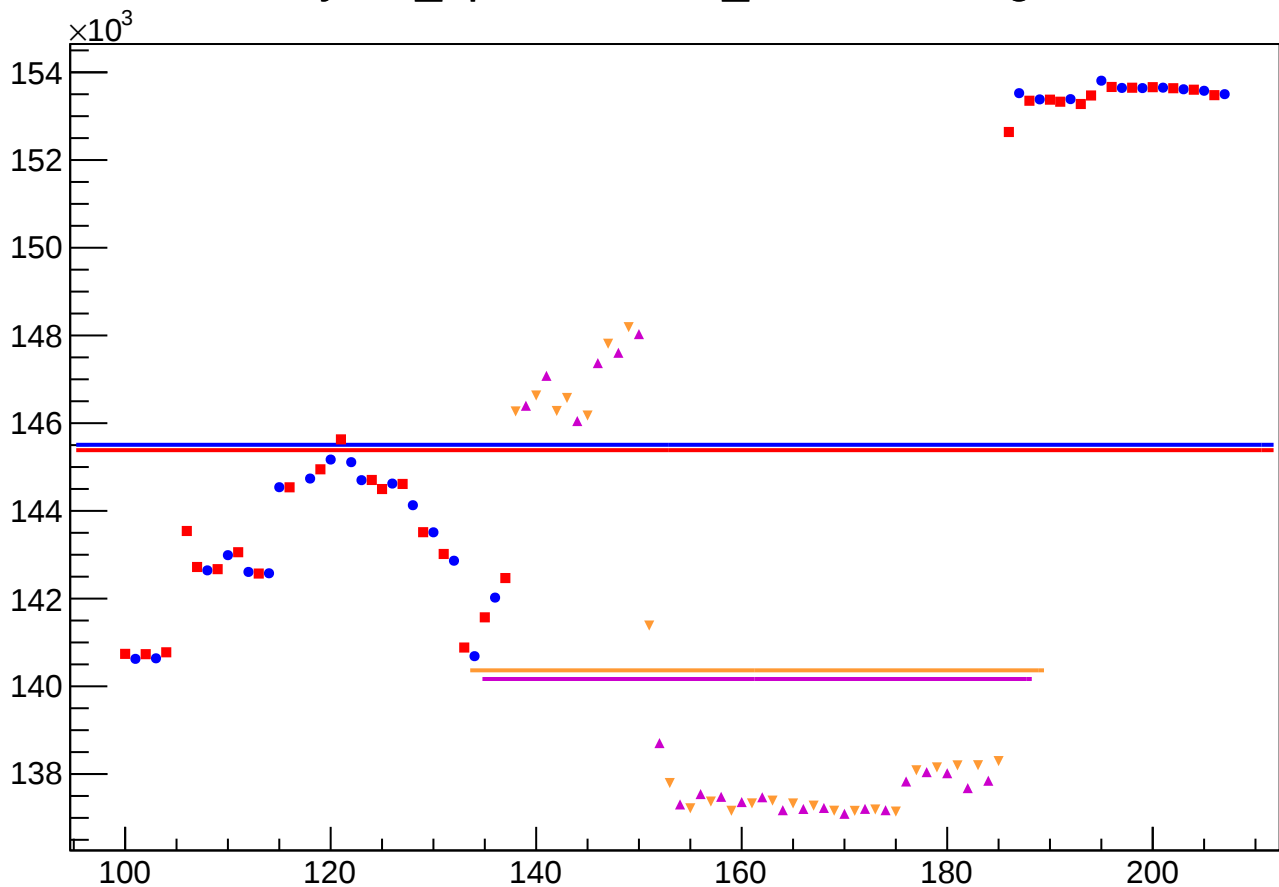
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF: 1001936.6/22

+ sign 197.726 $\pm$ 0.026 χ^2 /NDF: 5074926.6/51

All: 197.377 $\pm$ 0.018 χ^2 /NDF: 10685813.9/10

- sign 197.029 $\pm$ 0.026 χ^2 /NDF: 5610523.2/53

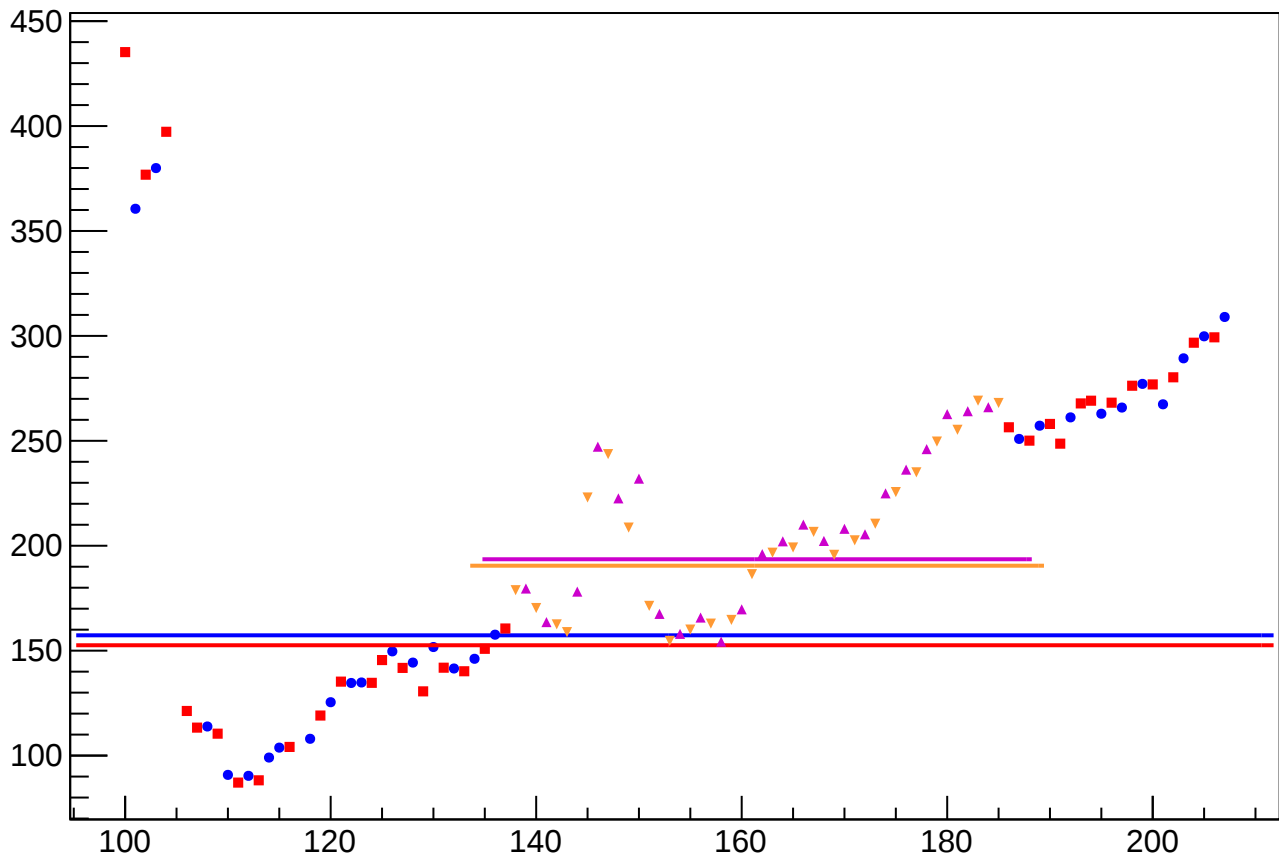
yield_bpm0i01aWS_mean vs Slug



Right In: 145506.988 $\pm$ 0.047 χ^2 /NDF: 8283198152.5/26
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 145384.581 $\pm$ 0.044 χ^2 /NDF: 9475783889.2/30
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22

+ sign 142837.295 $\pm$ 0.033 χ^2 /NDF: 23179740441.2
 - sign 142987.058 $\pm$ 0.032 χ^2 /NDF: 24039655972.2
 All: 142913.138 $\pm$ 0.023 χ^2 /NDF: 472300972.2

yield_bpm0i01aWS_rms vs Slug



Right In: 157.316 $\pm$ 0.033 χ^2/NDF : 4788071.4/26

Left Out: 190.486 $\pm$ 0.032 χ^2/NDF : 950233.2/24

Right Out: 152.577 $\pm$ 0.031 χ^2/NDF : 5357075.4/30

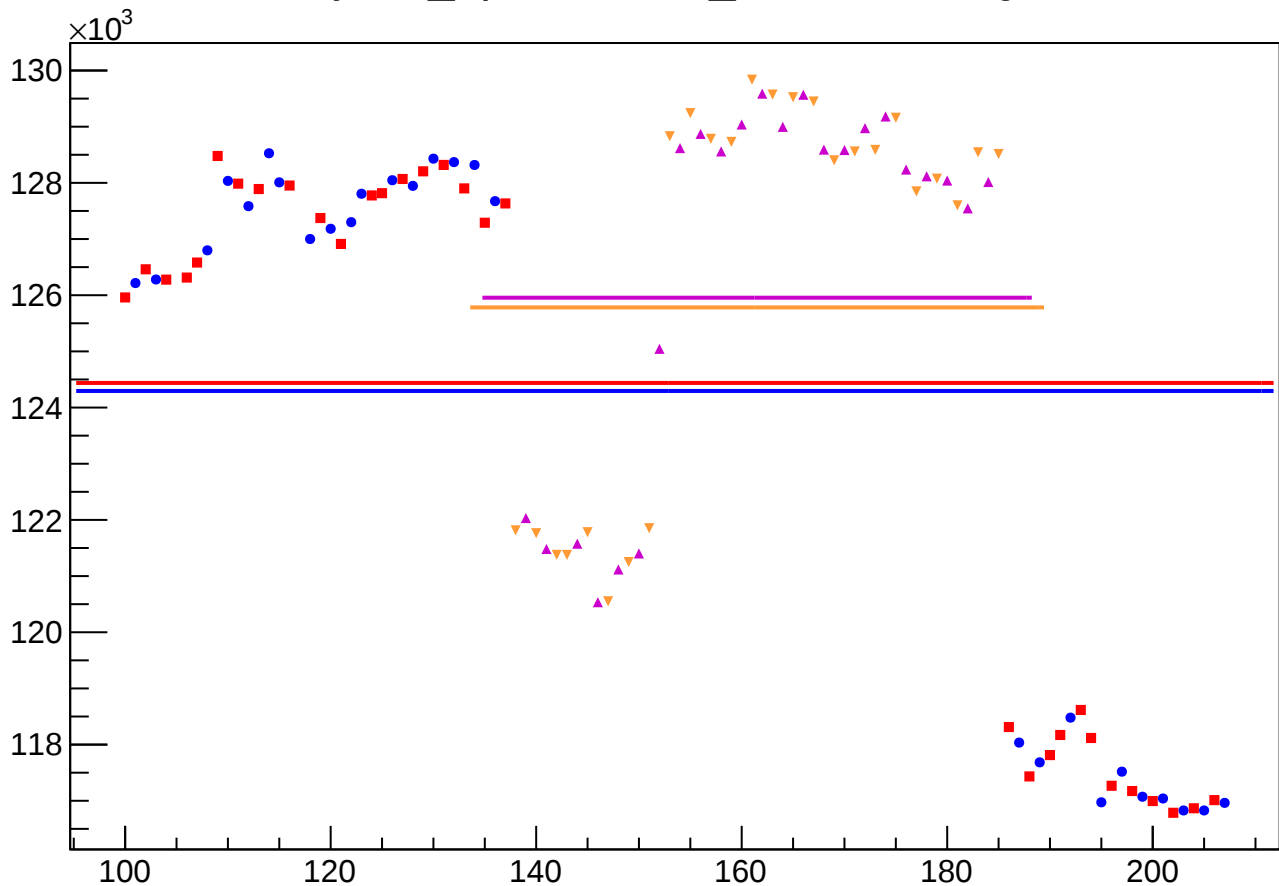
Left In: 193.558 $\pm$ 0.034 χ^2/NDF : 963675.0/22

+ sign 174.536 $\pm$ 0.023 χ^2/NDF : 6255796.1/51

All: 172.952 $\pm$ 0.016 χ^2/NDF : 13392245.1/10

- sign 171.408 $\pm$ 0.023 χ^2/NDF : 7127113.2/53

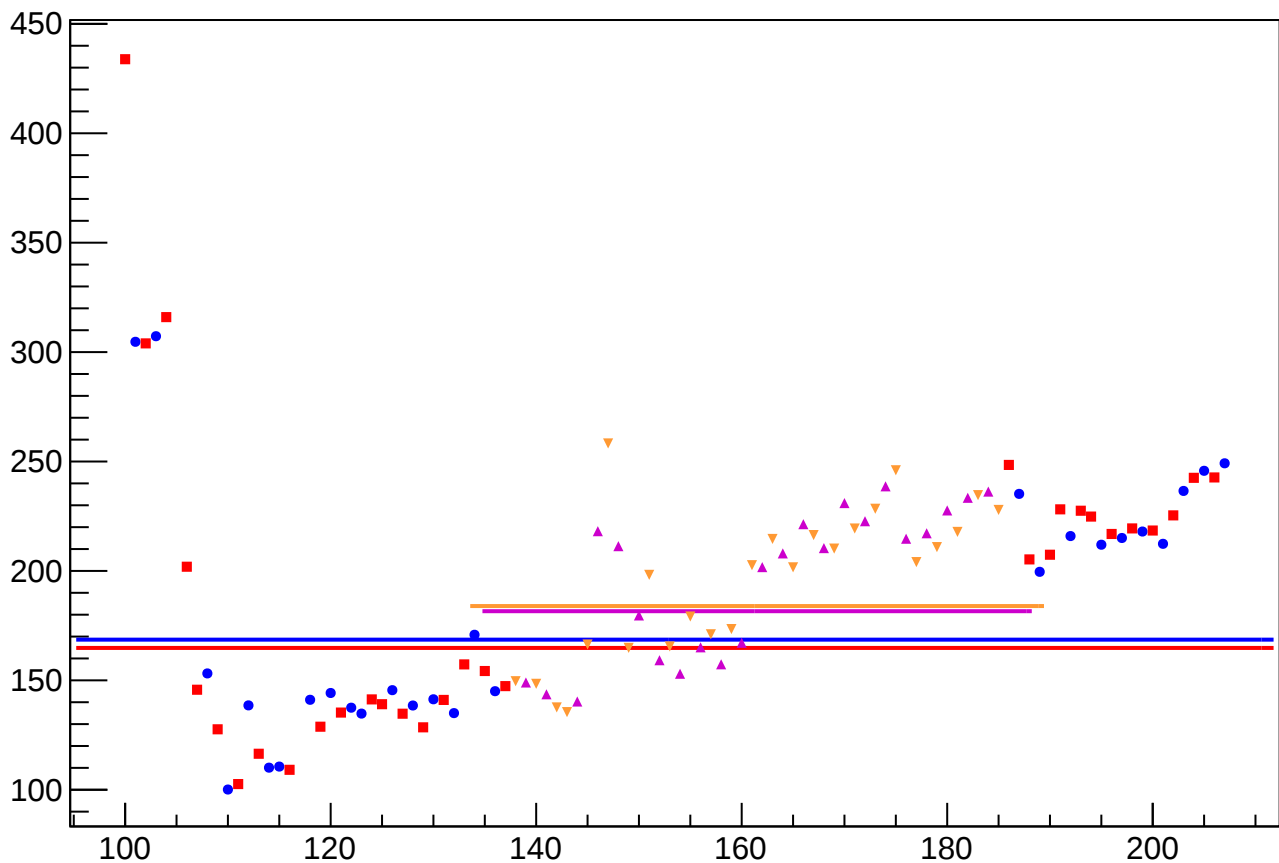
yield_bpm0l01WS_mean vs Slug



Right In: 124295.418 ± 0.048 $\chi^2/\text{NDF}: 10616429626.9/26$
 Left Out: 125782.764 ± 0.044 $\chi^2/\text{NDF}: 6729761889.8/24$
 Right Out: 124438.251 ± 0.045 $\chi^2/\text{NDF}: 11493207814.5/30$
 Left In: 125955.637 ± 0.045 $\chi^2/\text{NDF}: 5804088930.1/22$

+ sign 125098.910 ± 0.032 $\chi^2/\text{NDF}: 17871486340.0$
 All: 125150.291 ± 0.023 $\chi^2/\text{NDF}: 357450437.0$
 - sign 125199.781 ± 0.032 $\chi^2/\text{NDF}: 17868602529.8$

yield_bpm0l01WS_rms vs Slug



Right In: 168.597 $\pm$ 0.034 χ^2 /NDF: 2126191.7/26

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF:1123194.0/24

Right Out: 164.810 $\pm$ 0.032 χ^2 /NDF: 2623111.6/30

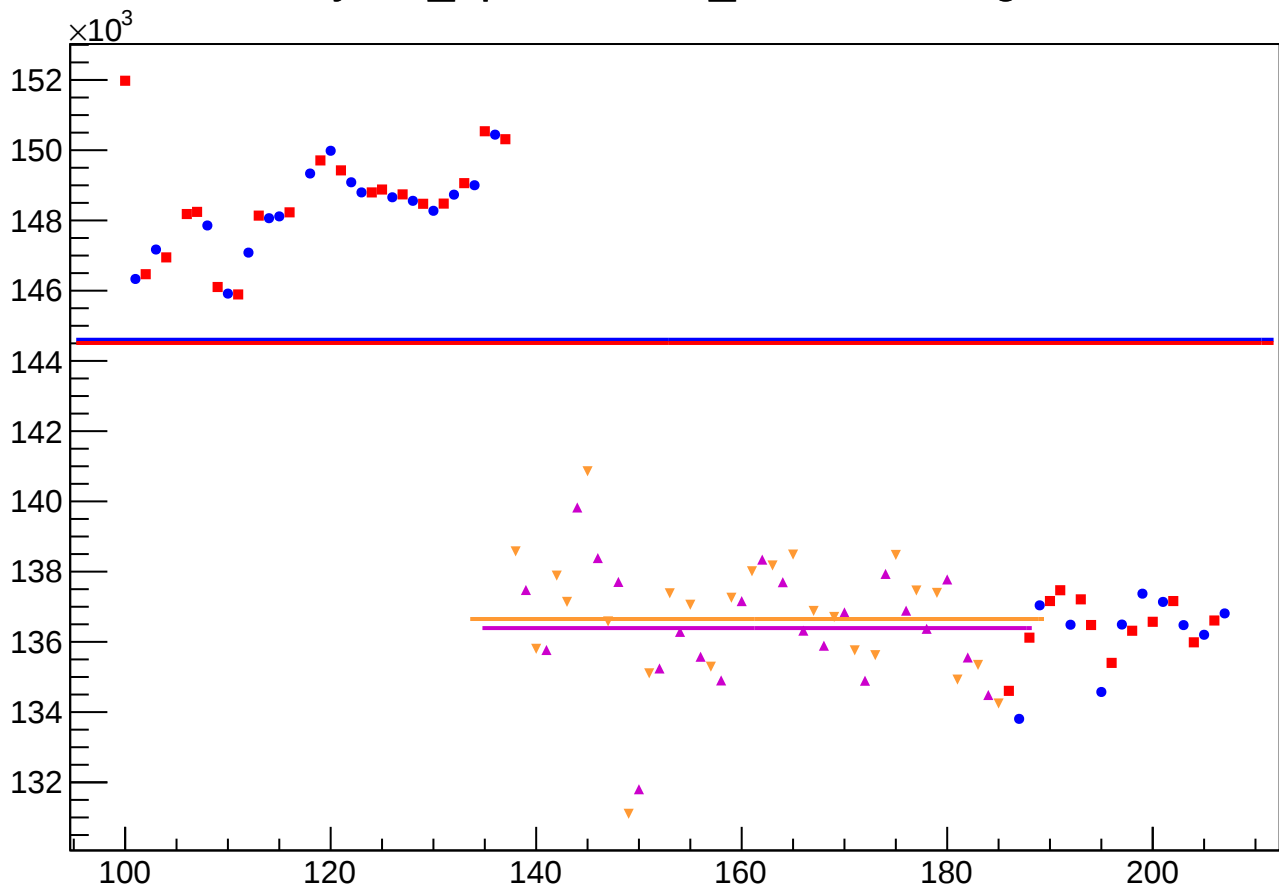
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF:1103524.3/22

+ sign 176.889 $\pm$ 0.023 χ^2 /NDF: 3361275.7/51

All: 175.027 $\pm$ 0.016 χ^2 /NDF: 7240753.8/109

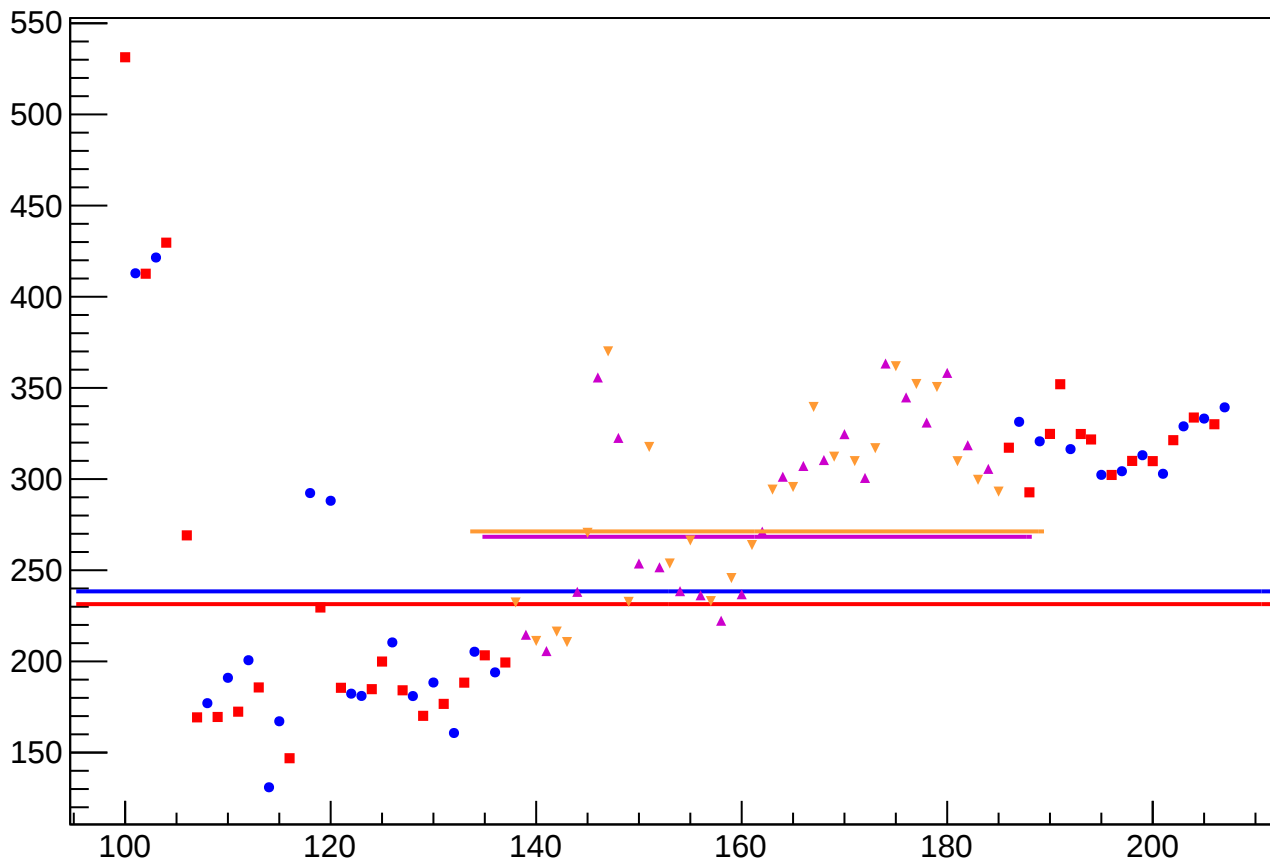
- sign 173.234 $\pm$ 0.022 χ^2 /NDF: 3866466.0/53

yield_bpm0l02WS_mean vs Slug



Right In: 144602.666 $\pm$ 0.068 χ^2/NDF : 7292115628.1/26
 Left Out: 136650.935 $\pm$ 0.065 χ^2/NDF : 930649595.5/24
 Right Out: 144511.060 $\pm$ 0.063 χ^2/NDF : 8063376501.1/30
 Left In: 136392.188 $\pm$ 0.066 χ^2/NDF : 701986841.4/22

yield_bpm0l02WS_rms vs Slug



Right In: 238.410 $\pm$ 0.048 χ^2 /NDF: 2263034.8/26

Left Out: 271.295 $\pm$ 0.046 χ^2 /NDF:1064485.7/24

Right Out: 231.414 $\pm$ 0.045 χ^2 /NDF: 2548681.8/30

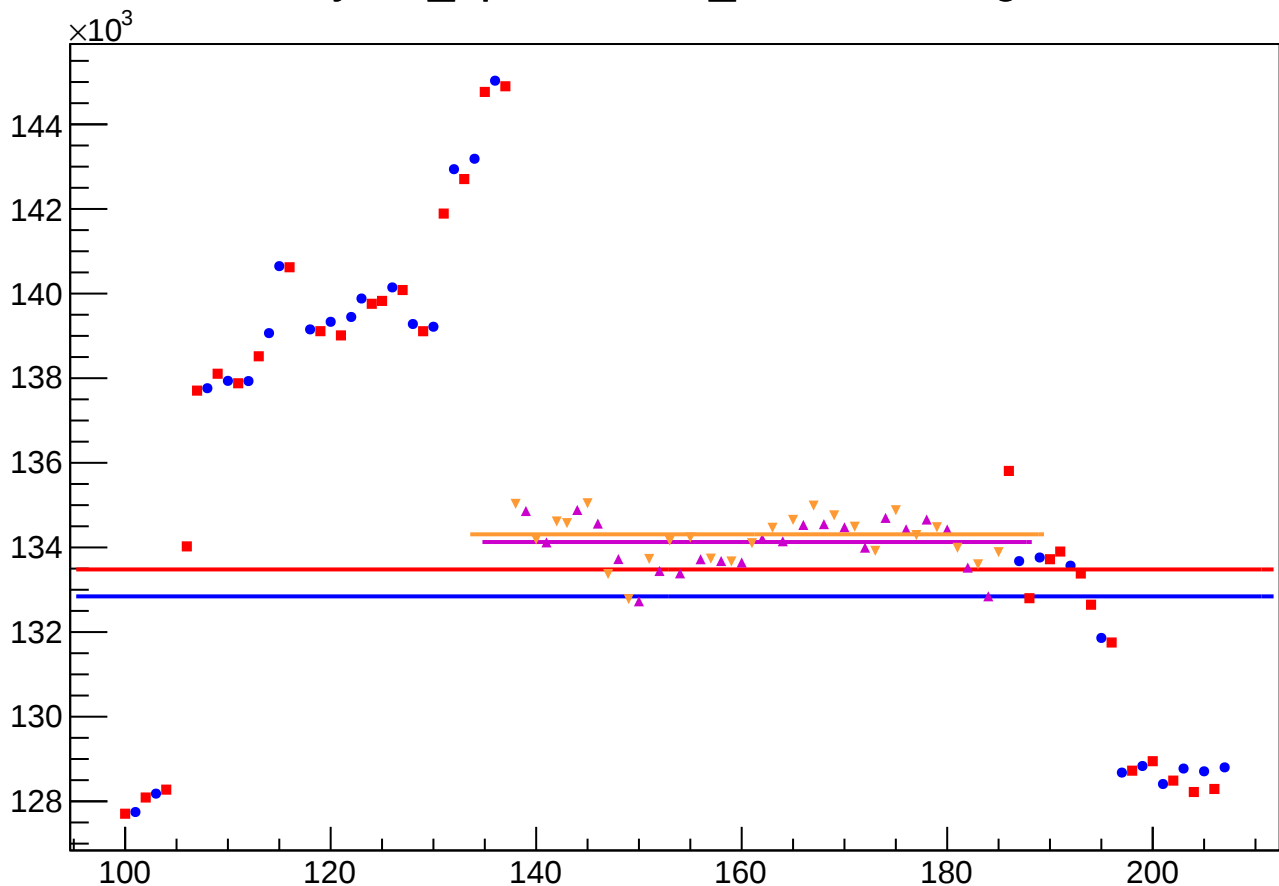
Left In: 268.344 $\pm$ 0.047 χ^2 /NDF:1077364.0/22

+ sign 255.598 $\pm$ 0.033 χ^2 /NDF: 3574709.9/51

All: 252.261 $\pm$ 0.023 χ^2 /NDF: 7547664.0/105

- sign 249.079 $\pm$ 0.032 χ^2 /NDF: 3953020.6/53

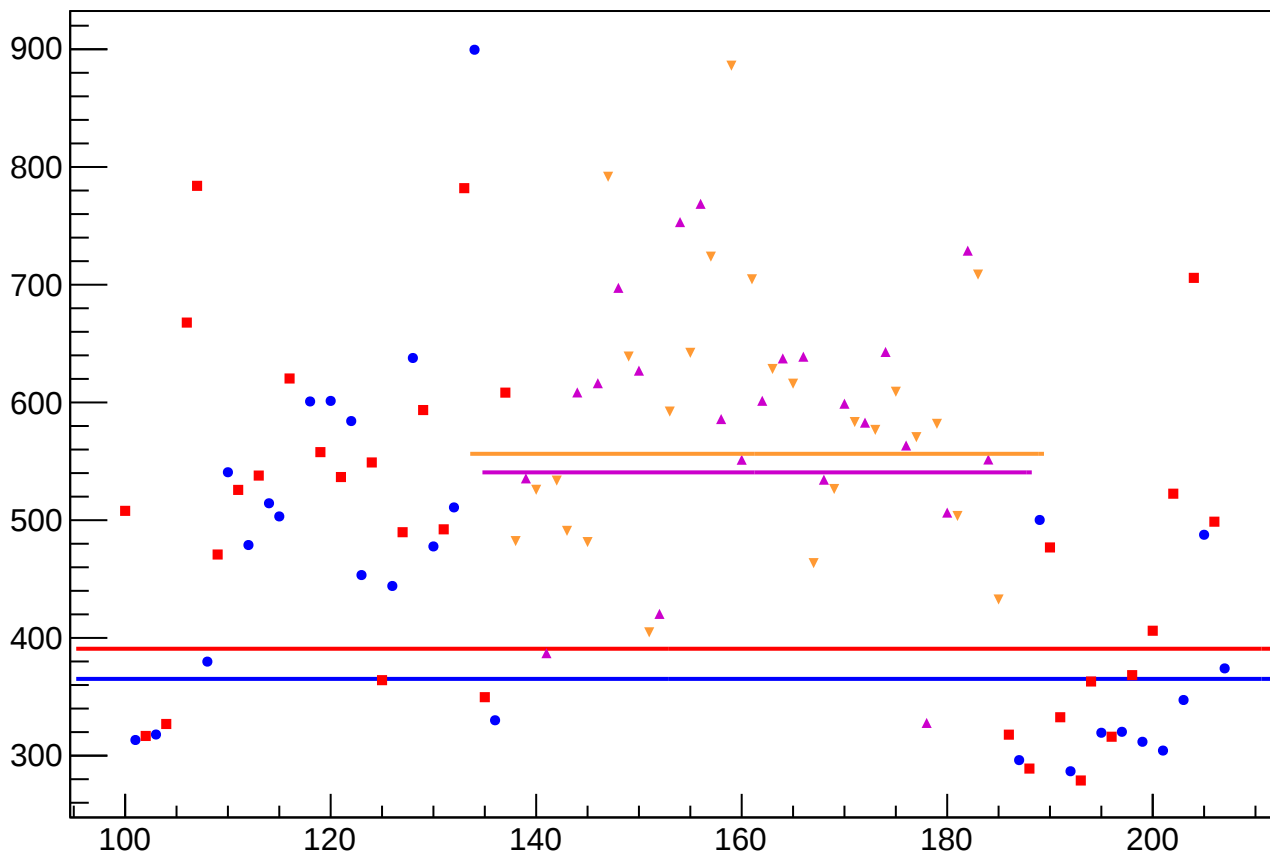
yield_bpm0l03WS_mean vs Slug



Right In: 132843.479 ± 0.111 χ^2/NDF : 2515506897.6/26
 Left Out: 134310.250 ± 0.139 χ^2/NDF : 15518632.9/24
 Right Out: 133479.963 ± 0.116 χ^2/NDF : 1610732647.5/30
 Left In: 134128.172 ± 0.142 χ^2/NDF : 15533736.2/22

+ sign 133415.342 ± 0.087 χ^2/NDF : 2599399126.2
 All: 133571.363 ± 0.062 χ^2/NDF : 424491532
 - sign 133739.856 ± 0.090 χ^2/NDF : 1638751704.5/

yield_bpm0l03WS_rms vs Slug



Right In: 365.202 ± 0.078 χ^2/NDF : 1337564.8/26

Left Out: 556.381 ± 0.098 χ^2/NDF : 1002064.0/24

Right Out: 390.811 ± 0.082 χ^2/NDF : 1898221.0/30

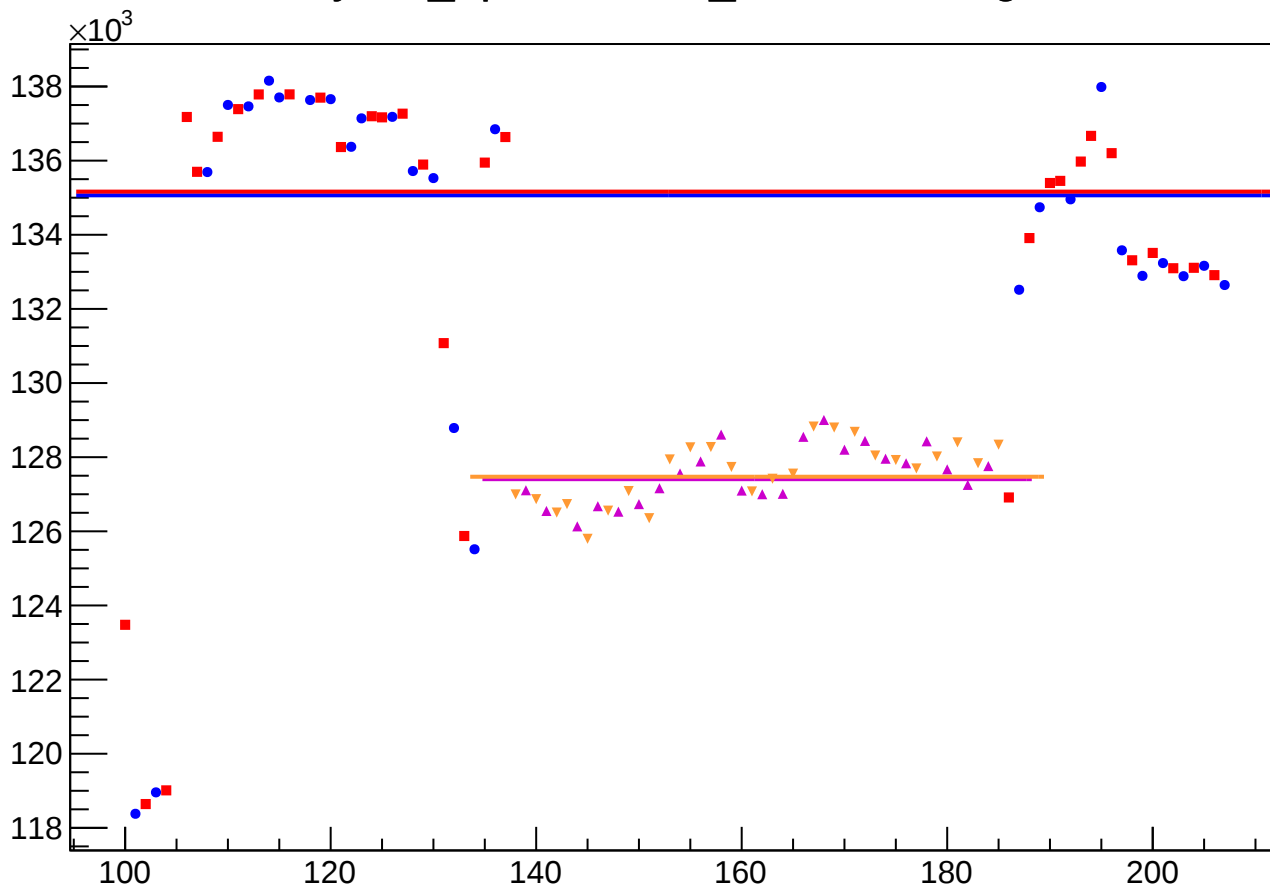
Left In: 540.607 ± 0.100 χ^2/NDF : 1409015.2/22

+ sign 439.739 ± 0.061 χ^2/NDF : 4662786.8/51

All: 445.090 ± 0.044 χ^2/NDF : 9319469.2/105

- sign 450.870 ± 0.064 χ^2/NDF : 4640764.3/53

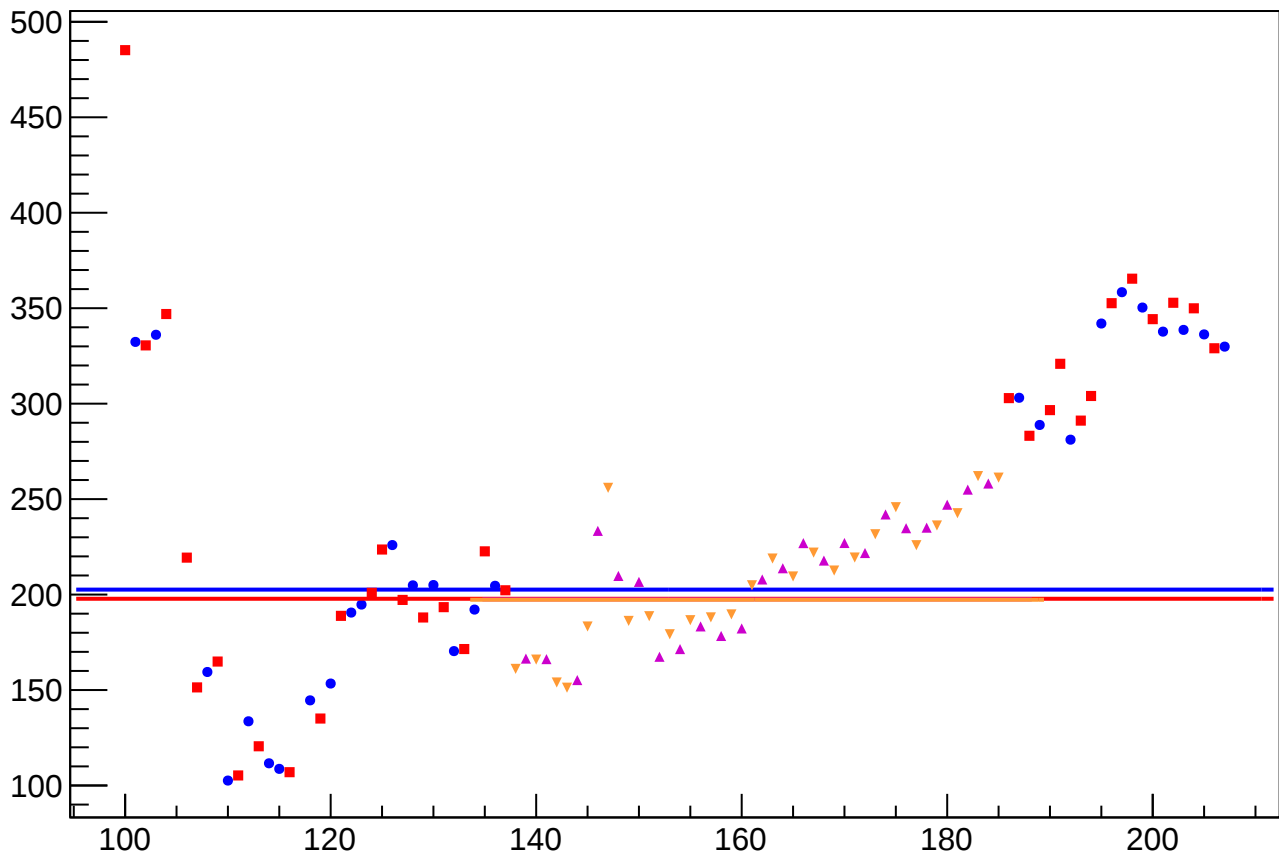
yield_bpm0l04WS_mean vs Slug



Right In: 135064.437 $\pm$ 0.060 χ^2 /NDF: 4843574829.4/26
 Left Out: 127472.525 $\pm$ 0.047 χ^2 /NDF: 303609315.6/24
 Right Out: 135164.447 $\pm$ 0.056 χ^2 /NDF: 5213662704.1/30
 Left In: 127406.911 $\pm$ 0.048 χ^2 /NDF: 269927988.0/22

+ sign 130367.693 $\pm$ 0.037 χ^2 /NDF: 15158674864.
 All: 130540.838 $\pm$ 0.026 χ^2 /NDF: 31647725
 - sign 130711.975 $\pm$ 0.037 χ^2 /NDF: 16445161987.8

yield_bpm0l04WS_rms vs Slug



Right In: 202.603 $\pm$ 0.042 χ^2 /NDF: 3968784.2/26

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

Right Out: 197.803 $\pm$ 0.040 χ^2 /NDF: 4553246.1/30

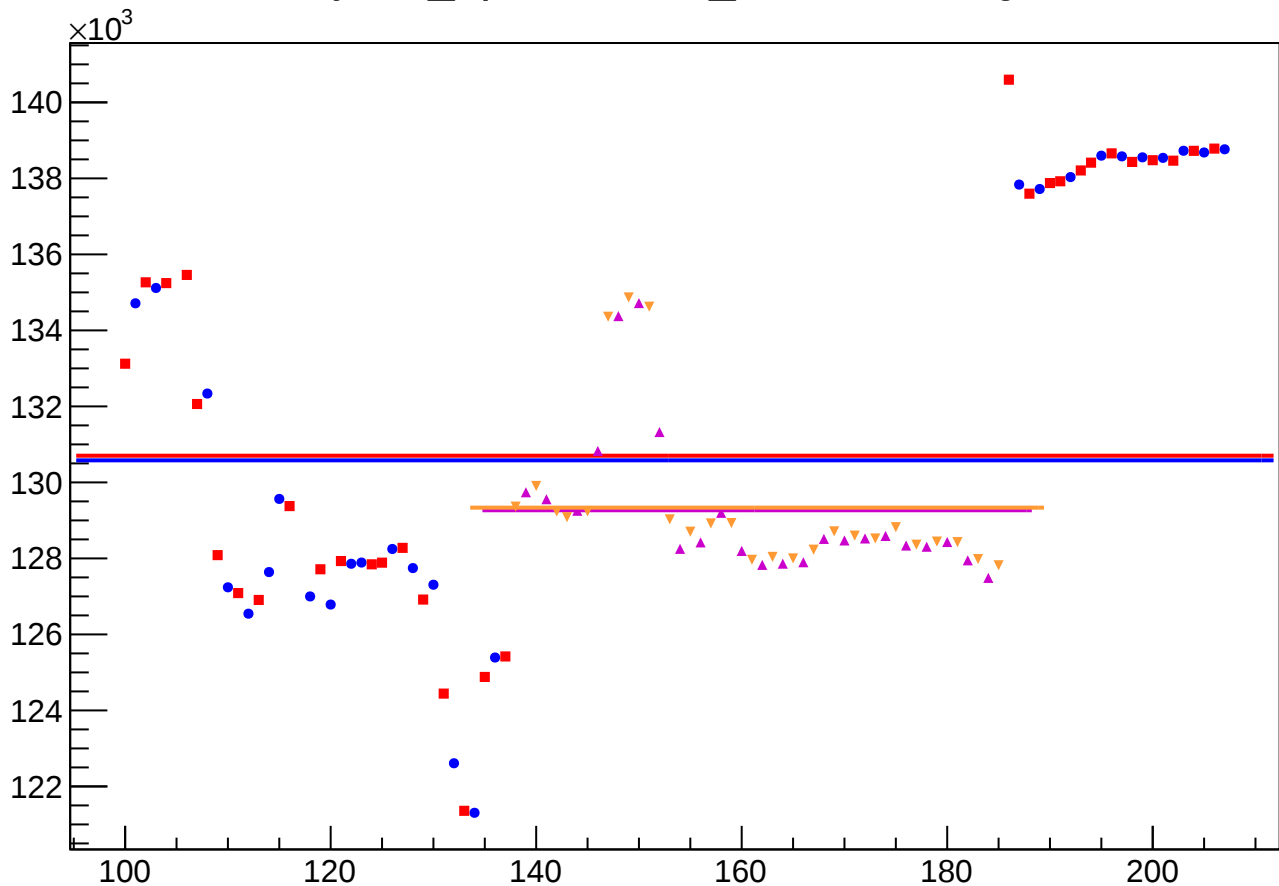
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 199.316 $\pm$ 0.026 χ^2 /NDF: 4830617.2/51

All: 198.459 $\pm$ 0.018 χ^2 /NDF: 10177628.9/10

- sign 197.613 $\pm$ 0.026 χ^2 /NDF: 5344863.8/53

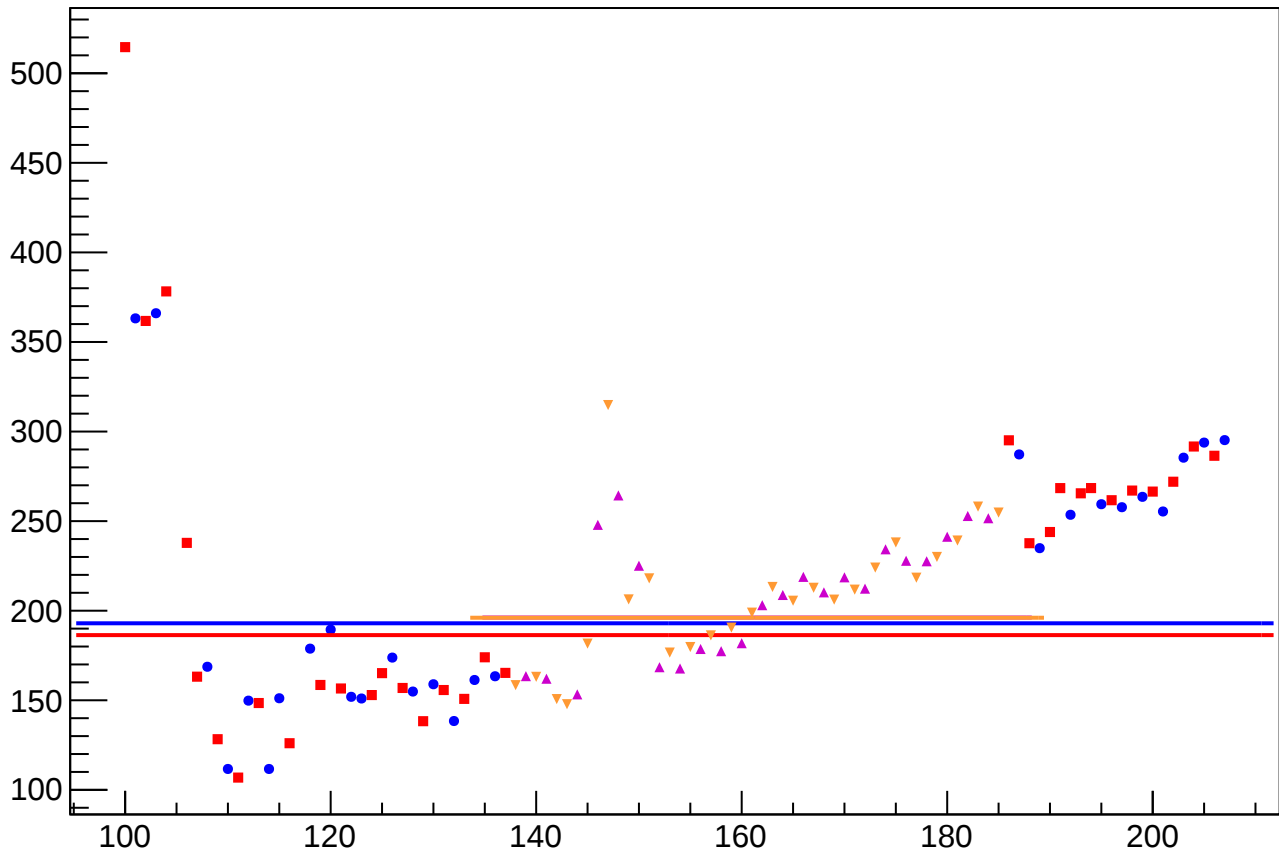
yield_bpm0l05WS_mean vs Slug



Right In: 130580.518 $\pm$ 0.055 χ^2 /NDF: 10718265849.1/26
 Left Out: 129335.946 $\pm$ 0.047 χ^2 /NDF: 1450933621.0/24
 Right Out: 130702.829 $\pm$ 0.052 χ^2 /NDF: 11594840383.2/30
 Left In: 129266.909 $\pm$ 0.048 χ^2 /NDF: 1213762773.1/22

+ sign 129854.454 $\pm$ 0.036 χ^2 /NDF: 12464754801.0/24
 All: 129895.414 $\pm$ 0.025 χ^2 /NDF: 256898312.0/24
 - sign 129935.273 $\pm$ 0.035 χ^2 /NDF: 13222477678.5/24

yield_bpm0l05WS_rms vs Slug



Right In: 192.975+/-0.039 χ^2/NDF : 2555323.5/26

Left Out: 196.077+/-0.033 χ^2/NDF : 975710.9/24

+ sign 194.785+/-0.025 χ^2/NDF : 3534708.2/51

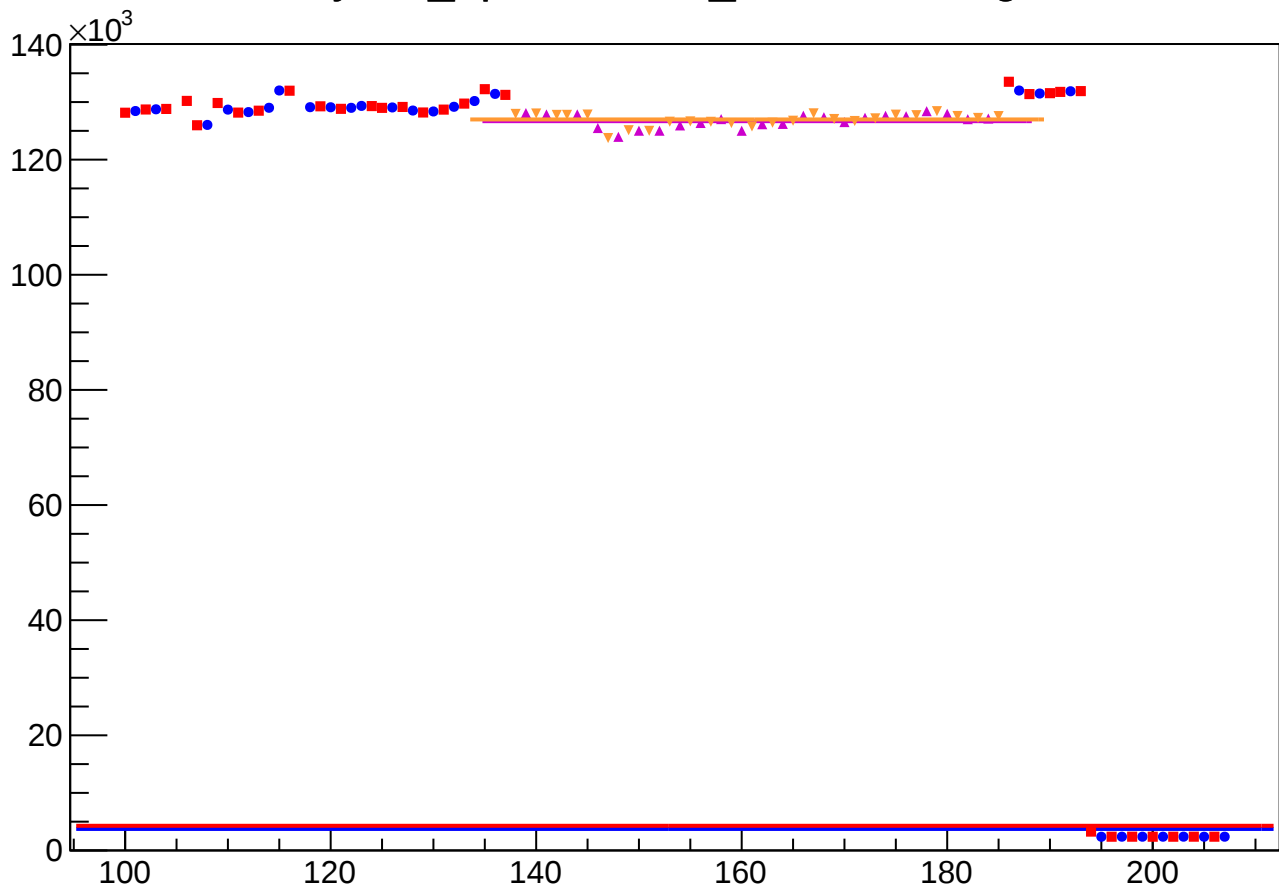
Right Out: 186.377+/-0.036 χ^2/NDF : 3184950.9/30

All: 193.181+/-0.018 χ^2/NDF : 7664316.3/105

- sign 191.620+/-0.025 χ^2/NDF : 4121639.1/53

Left In: 196.186+/-0.034 χ^2/NDF : 898058.0/22

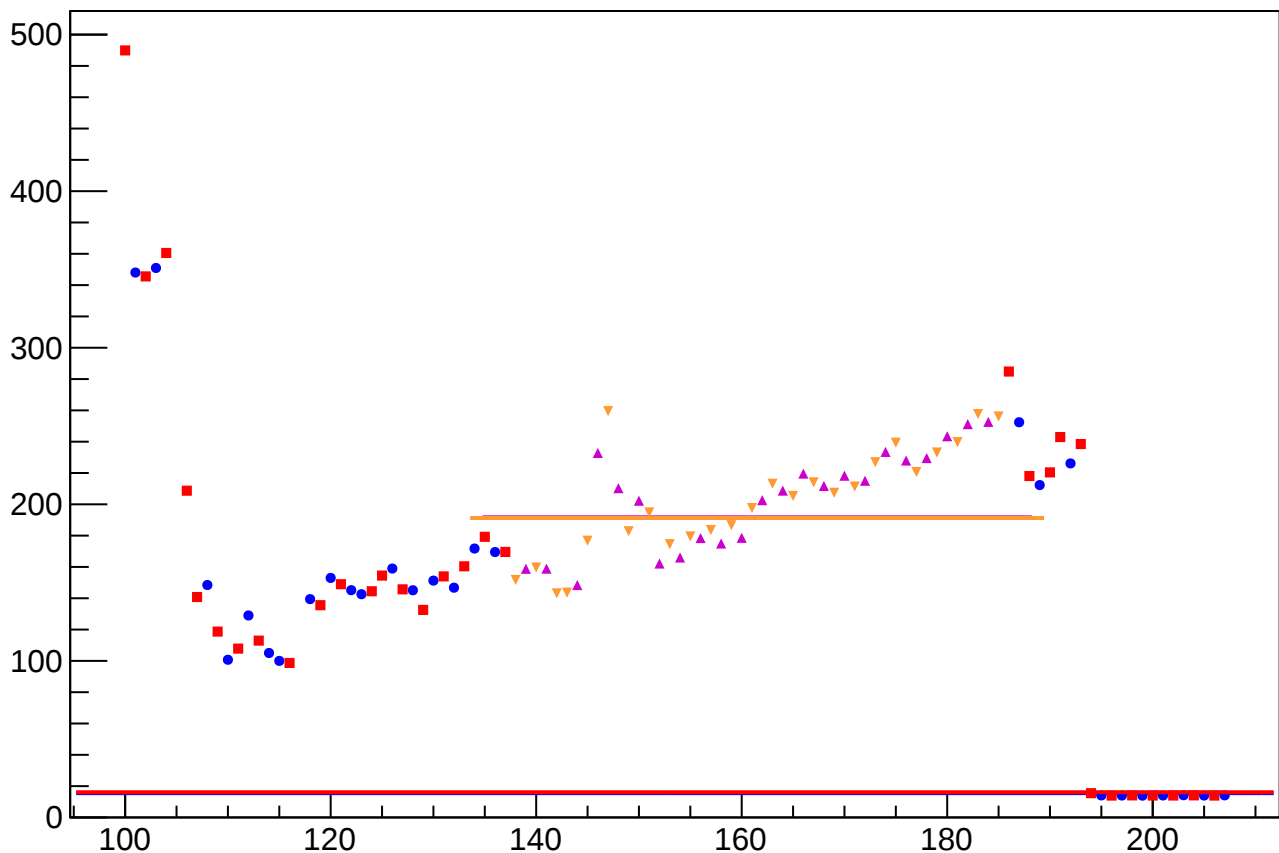
yield_bpm0l06WS_mean vs Slug



Right In: 3737.415 $\pm$ 0.006 χ^2 /NDF: 4879226229330.0/26
 Left Out: 126981.724 $\pm$ 0.046 χ^2 /NDF: 530573115.8/24
 Right Out: 4284.507 $\pm$ 0.006 χ^2 /NDF: 5798516629418.1/30
 Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22

+ sign 5767.193 $\pm$ 0.006 χ^2 /NDF: 12088625123186
 All: 6086.617 $\pm$ 0.004 χ^2 /NDF: 24558063375
 - sign 6452.739 $\pm$ 0.006 χ^2 /NDF: 12463022186749

yield_bpm0l06WS_rms vs Slug



Right In: 15.537 ± 0.004 $\chi^2/\text{NDF}: 13277888.4/26$

Left Out: 191.263 ± 0.032 $\chi^2/\text{NDF}: 992566.2/24$

Right Out: 16.106 ± 0.004 $\chi^2/\text{NDF}: 15546858.4/30$

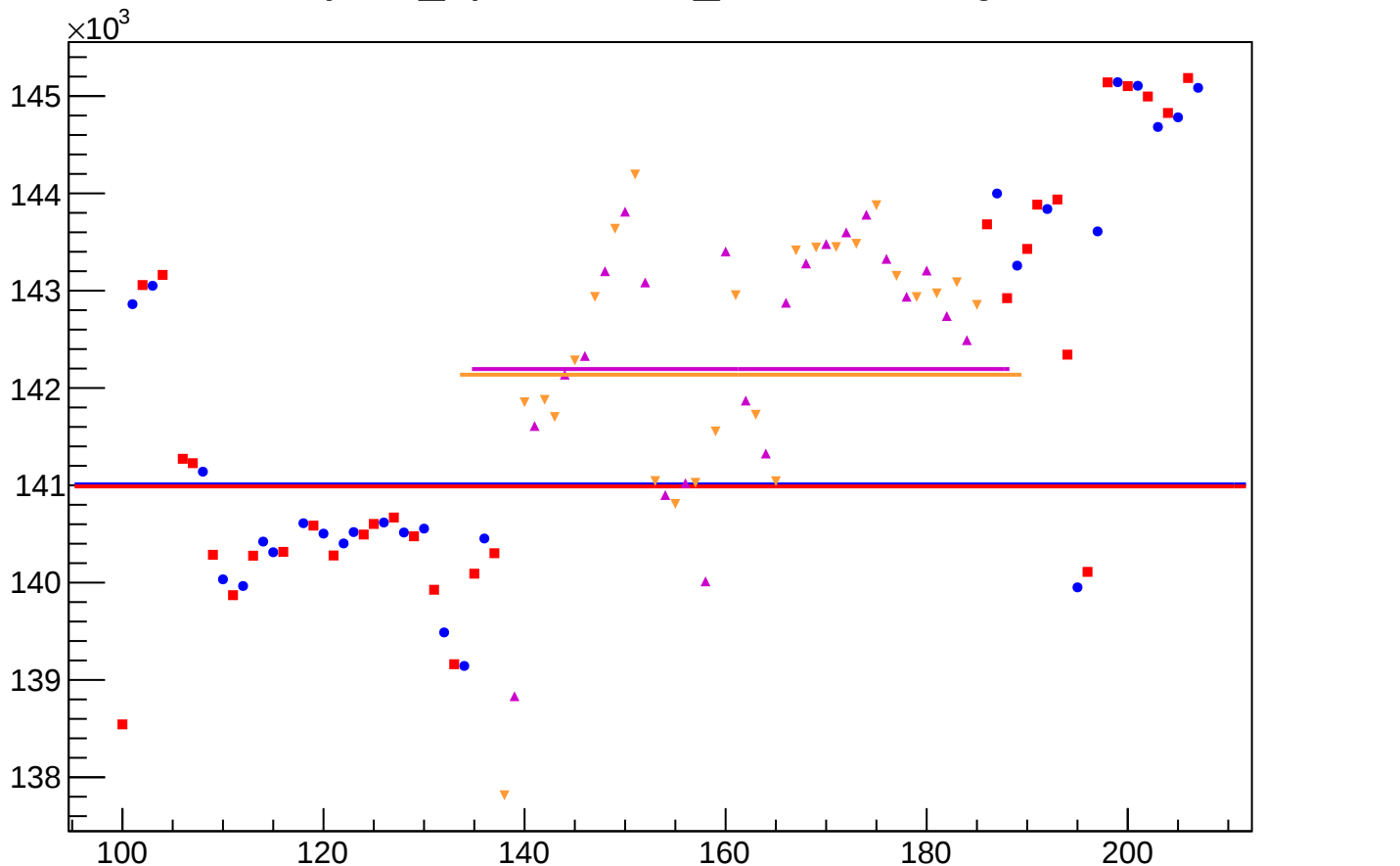
Left In: 191.683 ± 0.033 $\chi^2/\text{NDF}: 864384.9/22$

+ sign 18.432 ± 0.004 $\chi^2/\text{NDF}: 43581651.7/51$

All: 18.797 ± 0.003 $\chi^2/\text{NDF}: 87434195.7/105$

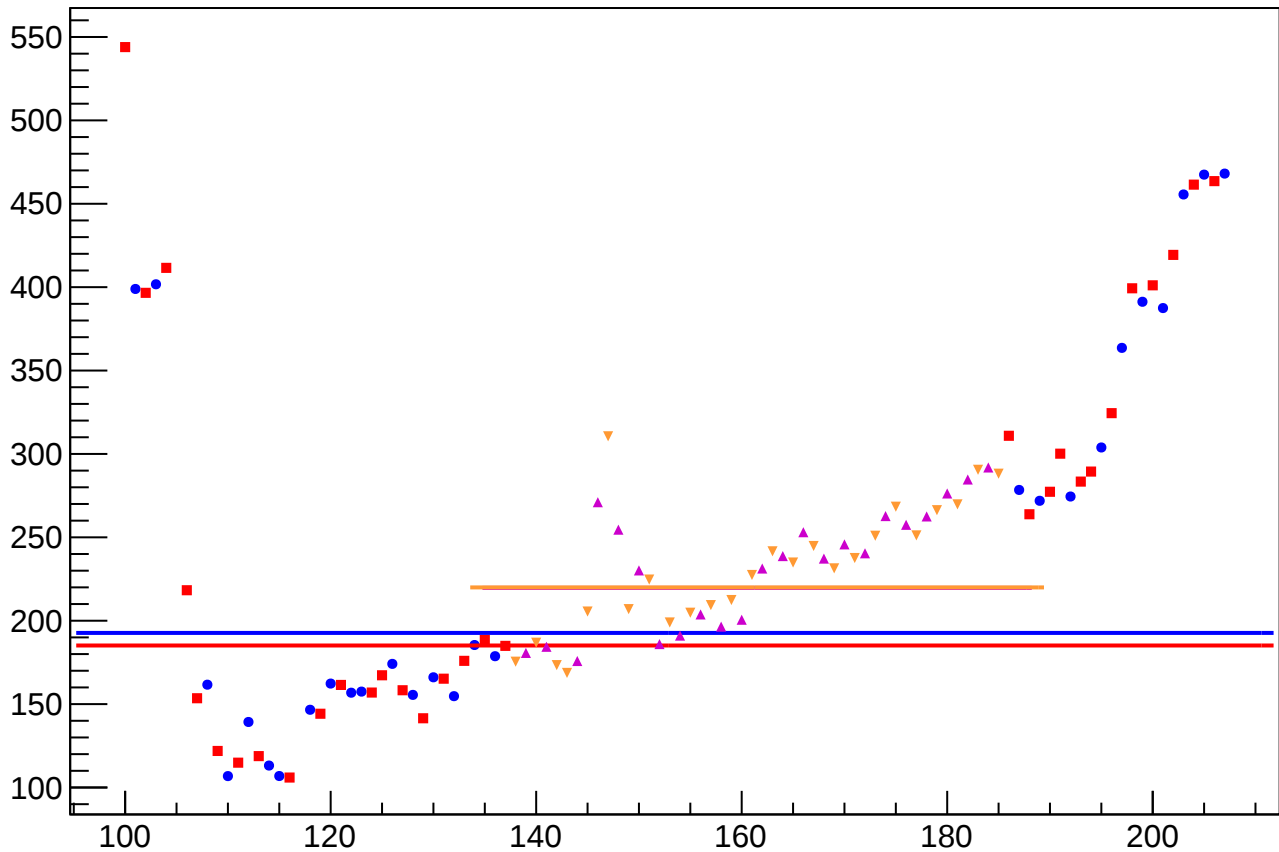
- sign 19.216 ± 0.004 $\chi^2/\text{NDF}: 43835734.0/53$

yield_bpm0l07WS_mean vs Slug



Right In: 141009.527 $\pm$ 0.058 χ^2 /NDF: 718353741.4/26
 Left Out: 142136.579 $\pm$ 0.052 χ^2 /NDF: 815573343.0/24
 Right Out: 140988.696 $\pm$ 0.053 χ^2 /NDF: 777297496.9/30
 Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22
 + sign 141630.811 $\pm$ 0.039 χ^2 /NDF: 1742122590.2
 All: 141608.771 $\pm$ 0.027 χ^2 /NDF: 341659400
 - sign 141587.734 $\pm$ 0.038 χ^2 /NDF: 1673842382.7

yield_bpm0l07WS_rms vs Slug



Right In: 192.686 $\pm$ 0.041 χ^2 /NDF: 5083736.4/26

Left Out: 219.969 $\pm$ 0.037 χ^2 /NDF: 866616.3/24

Right Out: 185.145 $\pm$ 0.038 χ^2 /NDF: 5580733.8/30

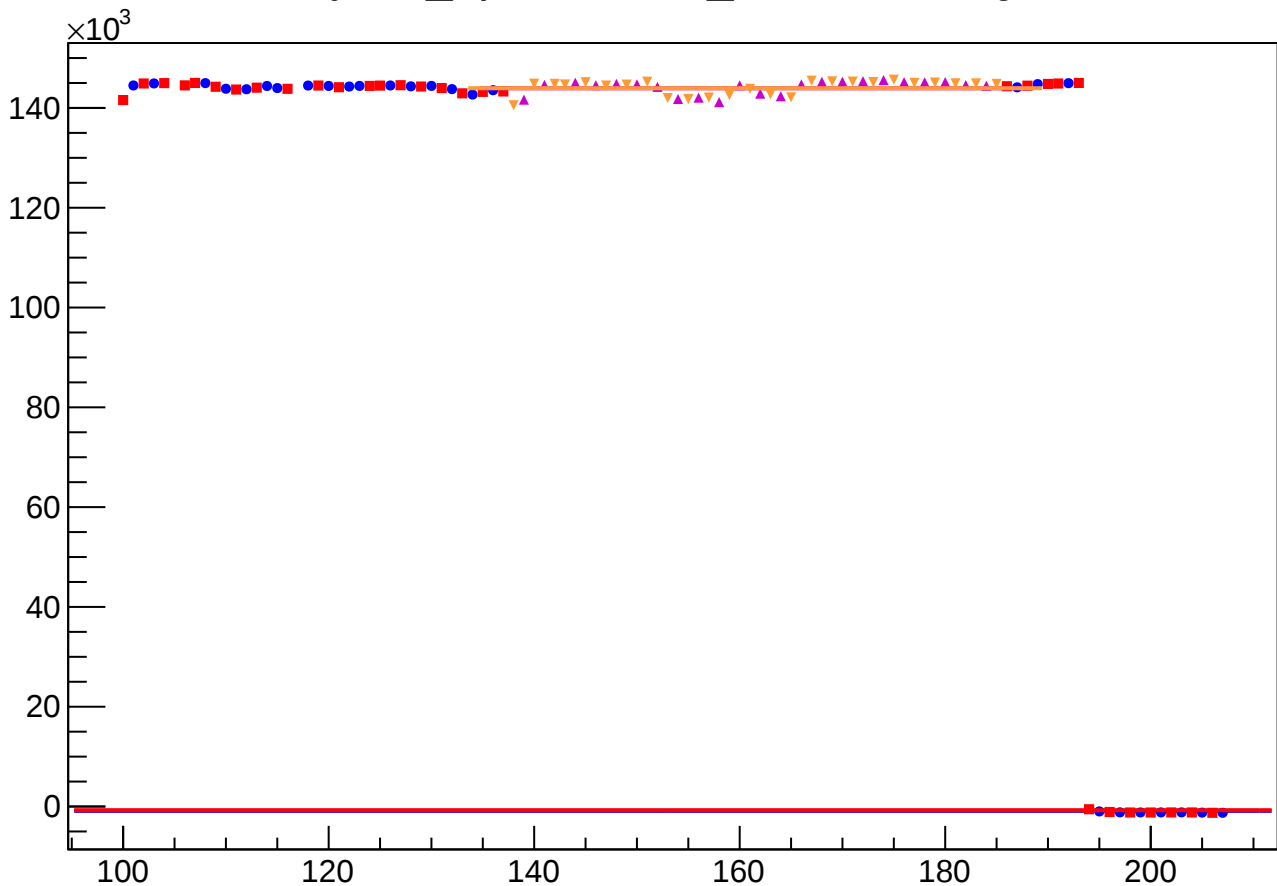
Left In: 219.685 $\pm$ 0.038 χ^2 /NDF: 812745.1/22

+ sign 207.726 $\pm$ 0.027 χ^2 /NDF: 6194354.5/51

All: 204.948 $\pm$ 0.019 χ^2 /NDF: 13021828.6/10

- sign 202.297 $\pm$ 0.027 χ^2 /NDF: 6807491.3/53

yield_bpm0l08WS_mean vs Slug



Right In: -866.511 $\pm$ 0.003 χ^2 /NDF: 5296035934654.3/26

Left Out: 143951.284 $\pm$ 0.052 χ^2 /NDF: 864679545.2/24

Right Out: -741.038 $\pm$ 0.003 χ^2 /NDF: 6398223513039.0/30

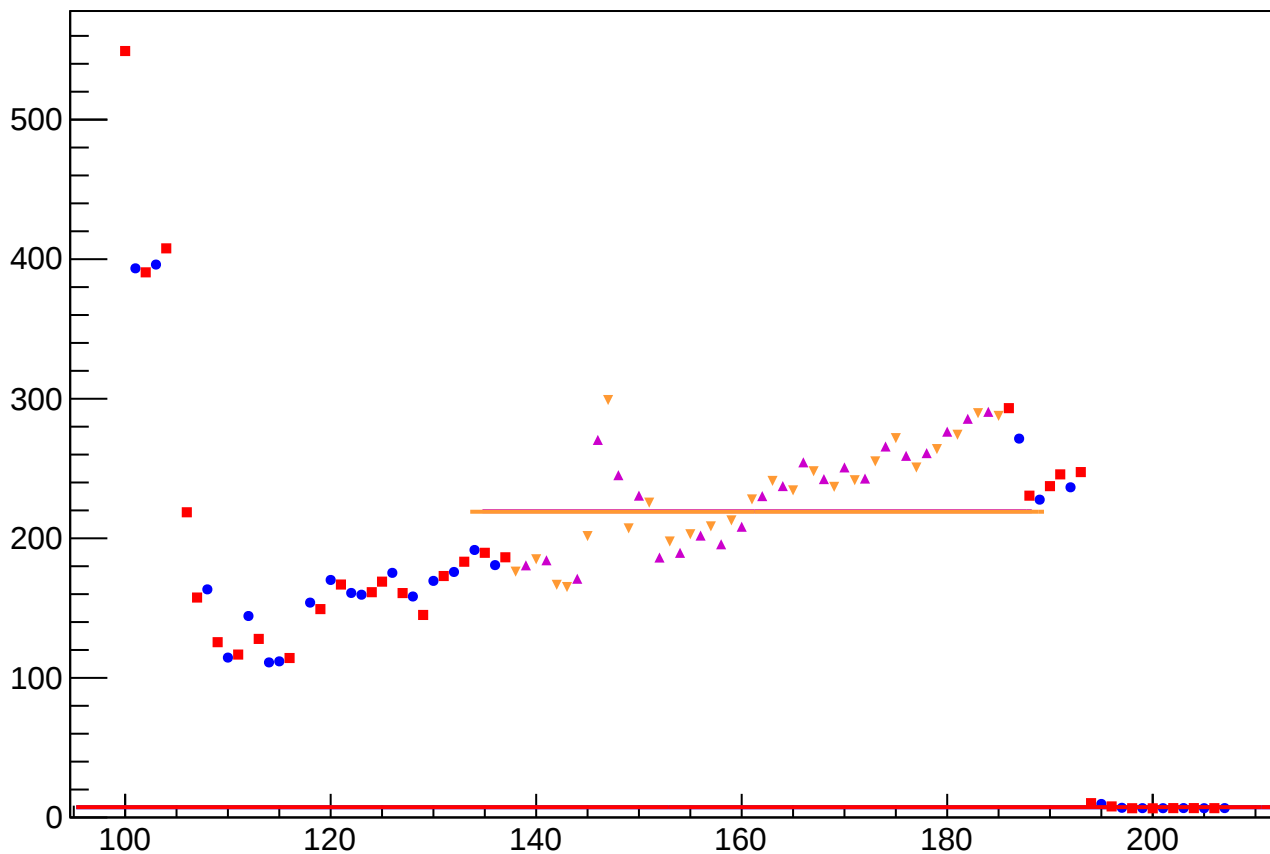
Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22

+ sign -405.903 $\pm$ 0.003 χ^2 /NDF: 12988033382142

All: -333.609 $\pm$ 0.002 χ^2 /NDF: 26584610380

- sign -251.605 $\pm$ 0.003 χ^2 /NDF: 13595286732287

yield_bpm0l08WS_rms vs Slug



Right In: 7.296 ± 0.002 χ^2/NDF : 14915805.2/26

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 7.382 ± 0.002 χ^2/NDF : 17448110.6/30

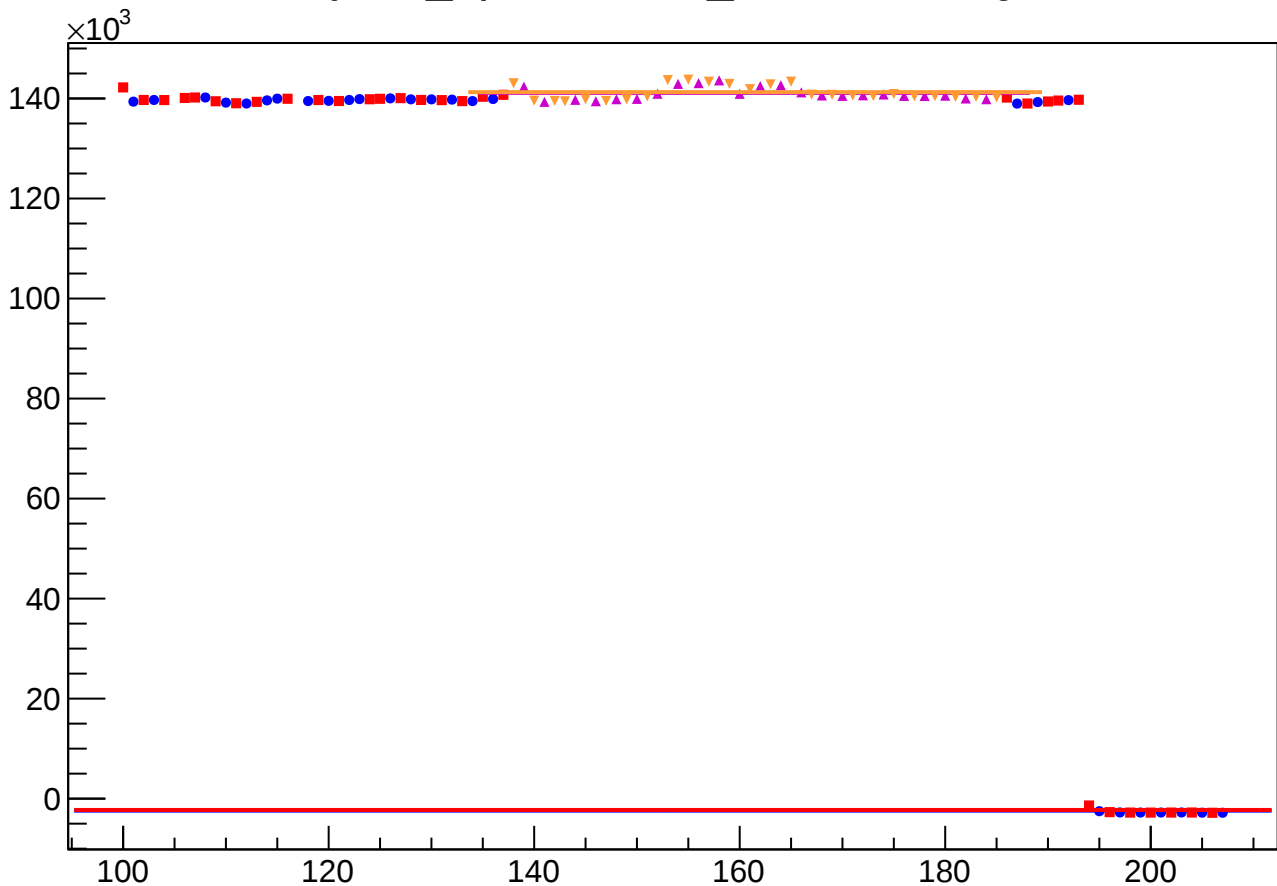
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 7.970 ± 0.002 χ^2/NDF : 48738179.4/51

All: 8.031 ± 0.002 χ^2/NDF : 97953956.9/105

- sign 8.099 ± 0.002 χ^2/NDF : 49213961.7/53

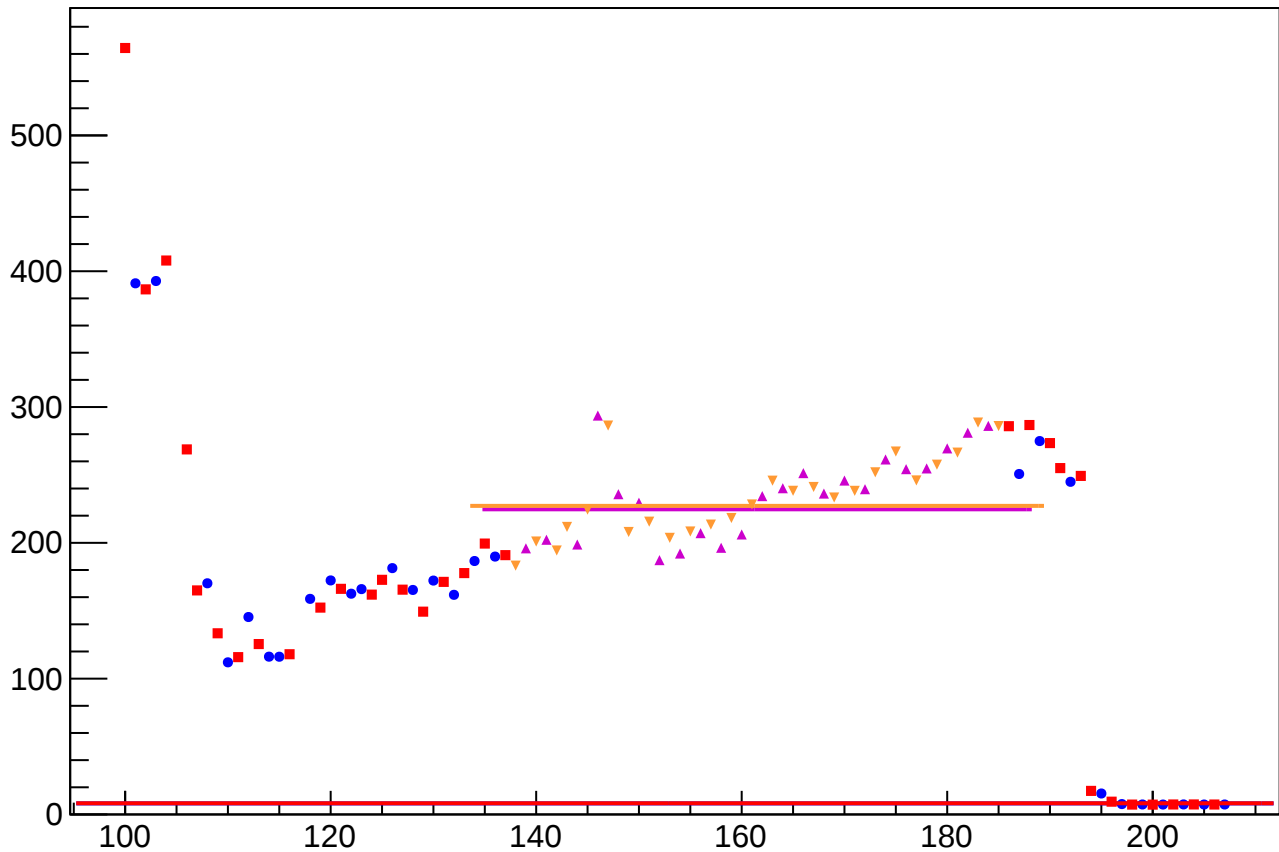
yield_bpm0l09WS_mean vs Slug



Right In: -2397.192 ± 0.003 $\chi^2/\text{NDF}: 4864379516237.3/26$
 Left Out: 141268.791 ± 0.054 $\chi^2/\text{NDF}: 795989244.2/24$
 Right Out: -2259.952 ± 0.004 $\chi^2/\text{NDF}: 5786927842728.5/30$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$

+ sign -1852.365 ± 0.003 $\chi^2/\text{NDF}: 1199576998132$
 All: -1767.756 ± 0.002 $\chi^2/\text{NDF}: 2457368951$
 - sign -1672.094 ± 0.004 $\chi^2/\text{NDF}: 12576524778465$

yield_bpm0l09WS_rms vs Slug



Right In: 8.128+/-0.002 χ^2/NDF : 15070354.4/26

Left Out: 227.224+/-0.038 χ^2/NDF : 484955.3/24

Right Out: 8.232+/-0.002 χ^2/NDF : 17484738.7/30

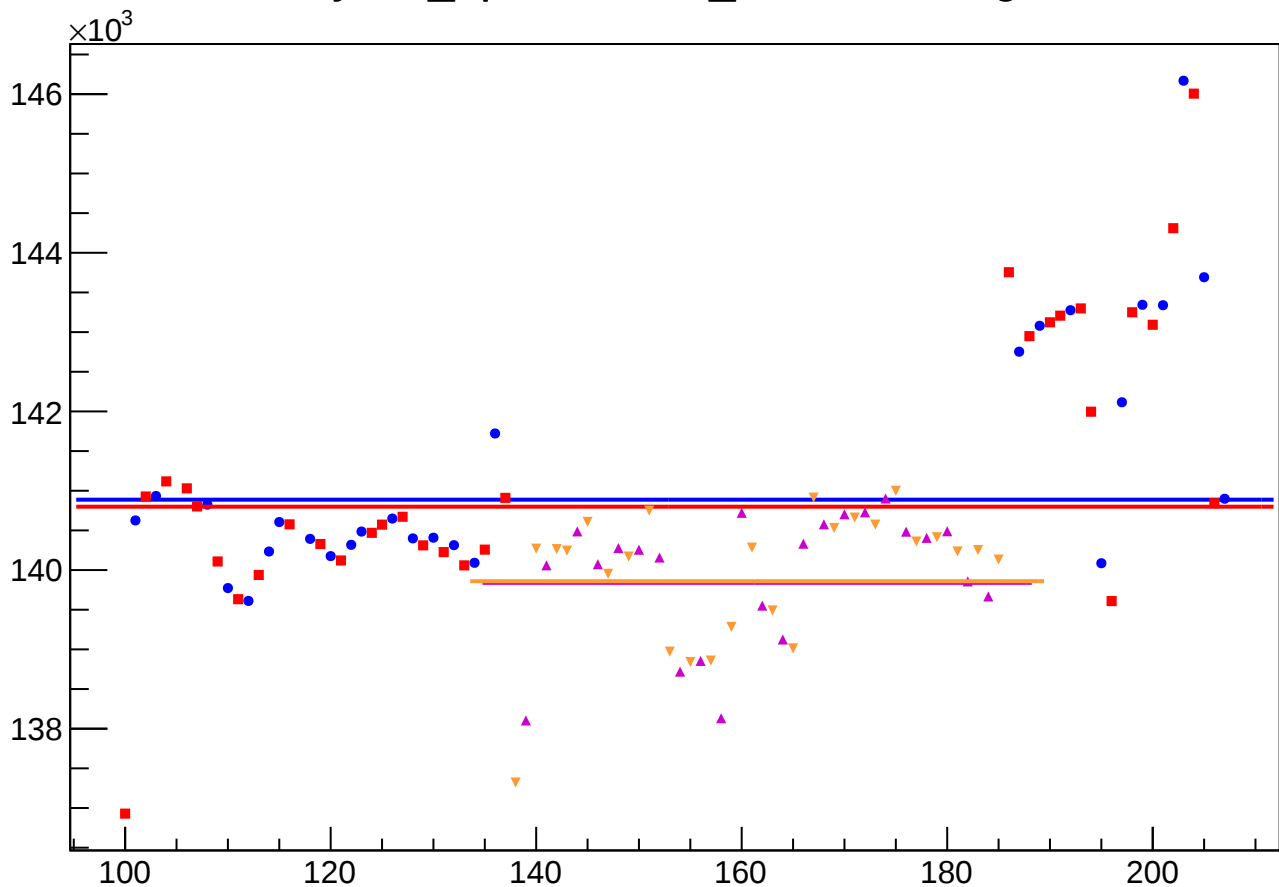
Left In: 224.686+/-0.039 χ^2/NDF : 578366.0/22

+ sign 8.959+/-0.002 χ^2/NDF : 48723173.5/51

All: 9.034+/-0.002 χ^2/NDF : 97733827.4/105

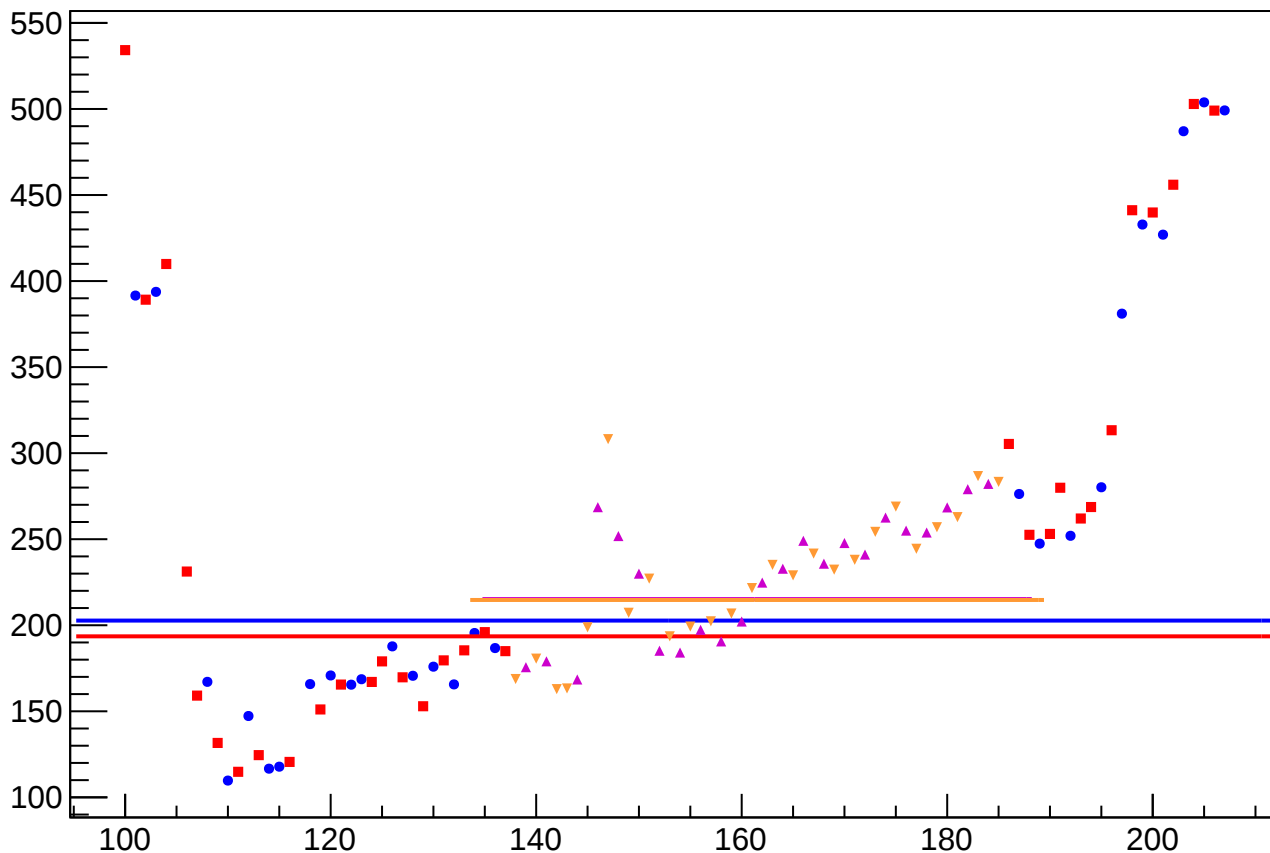
- sign 9.120+/-0.002 χ^2/NDF : 49008423.0/53

yield_bpm0l10WS_mean vs Slug



Right In: 140887.283 $\pm$ 0.061	χ^2 /NDF: 428262225.1/26	+ sign 140285.480 $\pm$ 0.039	χ^2 /NDF: 925958392.5/5
Left Out: 139859.696 $\pm$ 0.051	χ^2 /NDF: 330118281.5/24	All: 140290.005 $\pm$ 0.027	χ^2 /NDF: 186687375
Right Out: 140798.926 $\pm$ 0.056	χ^2 /NDF: 504381324.3/30	- sign 140294.341 $\pm$ 0.038	χ^2 /NDF: 940889136.0/5
Left In: 139838.724 $\pm$ 0.053	χ^2 /NDF: 279573689.3/22		

yield_bpm0l10WS_rms vs Slug



Right In: 202.715 $\pm$ 0.043 χ^2 /NDF: 4809046.9/26

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 193.555 $\pm$ 0.039 χ^2 /NDF: 5211992.3/30

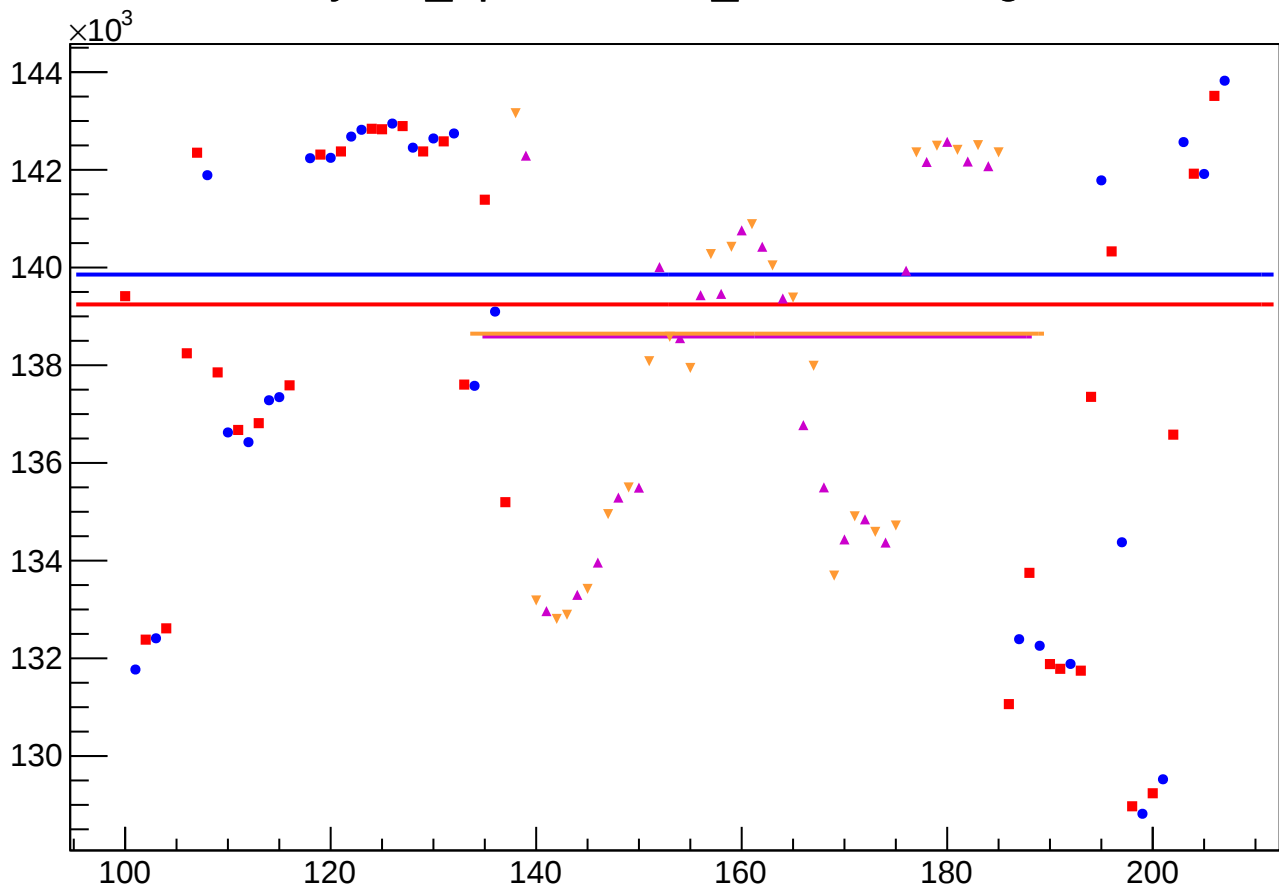
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 209.730 $\pm$ 0.028 χ^2 /NDF: 5835689.1/51

All: 207.284 $\pm$ 0.019 χ^2 /NDF: 12104755.4/10

- sign 204.941 $\pm$ 0.027 χ^2 /NDF: 6253747.5/53

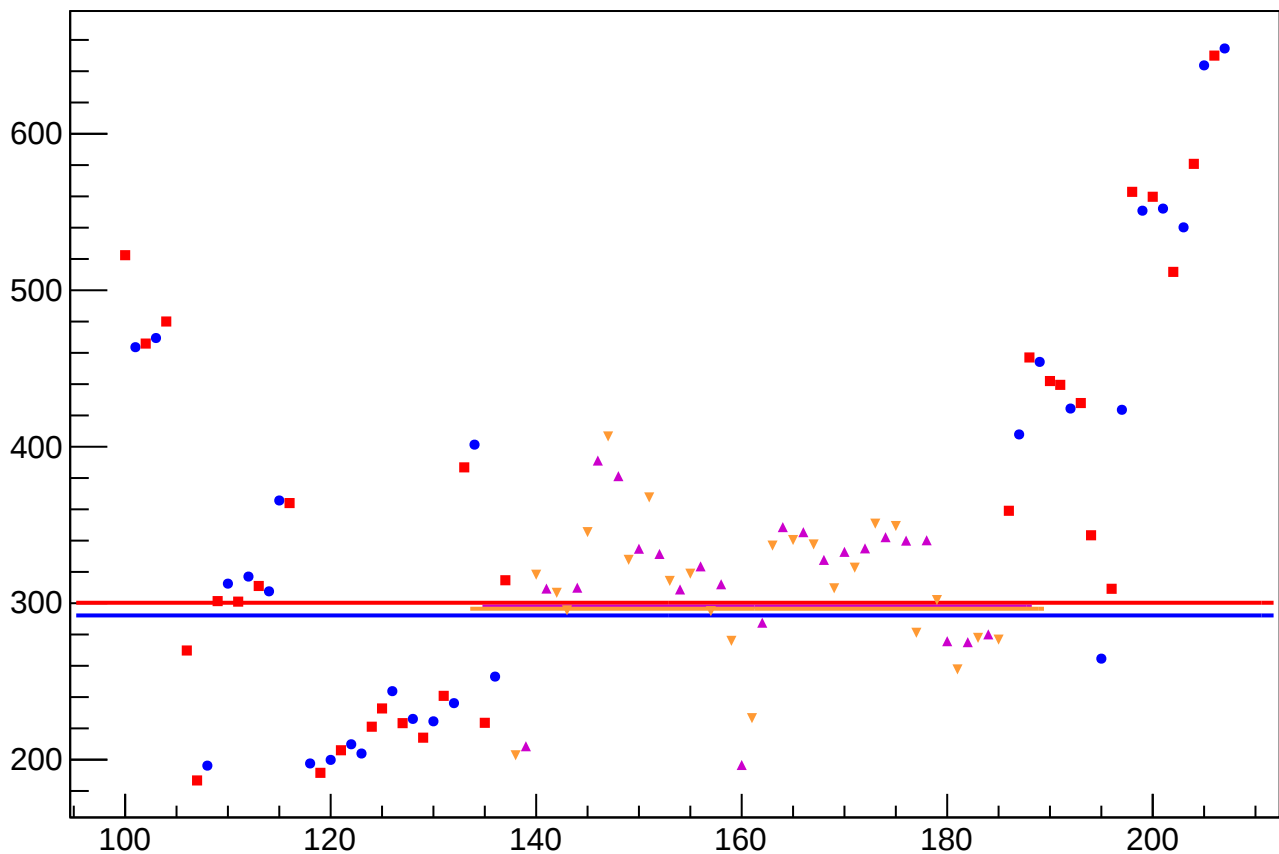
yield_bpm0r03WS_mean vs Slug



Right In: 139856.376 ± 0.086 $\chi^2/\text{NDF}: 2228050739.1/26$
 Left Out: 138646.366 ± 0.071 $\chi^2/\text{NDF}: 2548637600.4/24$
 Right Out: 139244.852 ± 0.084 $\chi^2/\text{NDF}: 2388418147.3/30$
 Left In: 138588.711 ± 0.074 $\chi^2/\text{NDF}: 1948065195.1/22$

+ sign 139134.850 ± 0.055 $\chi^2/\text{NDF}: 4894436932.0/26$
 All: 139005.851 ± 0.039 $\chi^2/\text{NDF}: 927662092.5/26$
 - sign 138873.503 ± 0.055 $\chi^2/\text{NDF}: 4370920922.5/26$

yield_bpm0r03WS_rms vs Slug



Right In: 292.180 ± 0.061 $\chi^2/\text{NDF}: 3796273.8/26$

Left Out: 296.464 ± 0.050 $\chi^2/\text{NDF}: 893579.7/24$

Right Out: 300.288 ± 0.059 $\chi^2/\text{NDF}: 3789937.0/30$

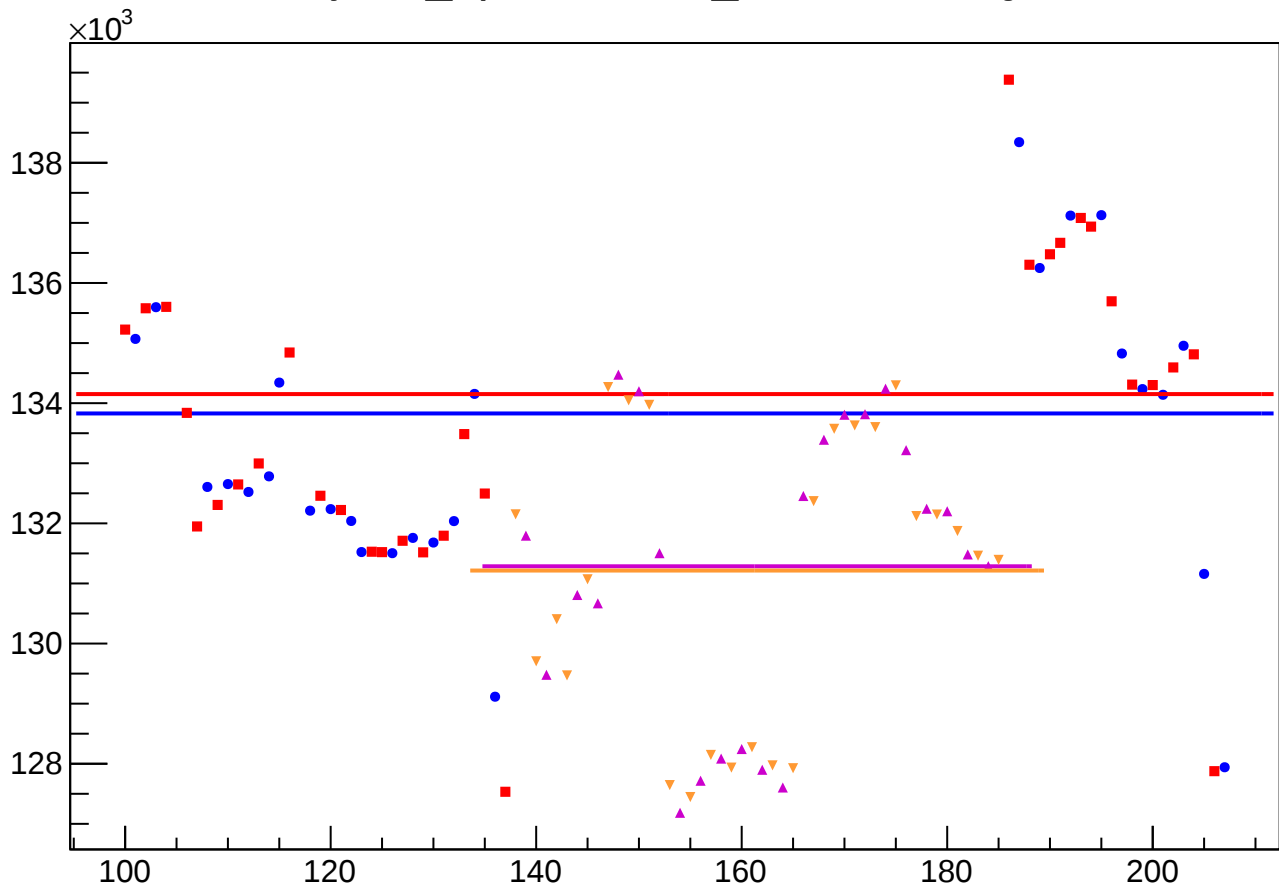
Left In: 297.774 ± 0.052 $\chi^2/\text{NDF}: 1061489.5/22$

+ sign 294.735 ± 0.039 $\chi^2/\text{NDF}: 4692805.9/51$

All: 296.774 ± 0.028 $\chi^2/\text{NDF}: 9550869.7/105$

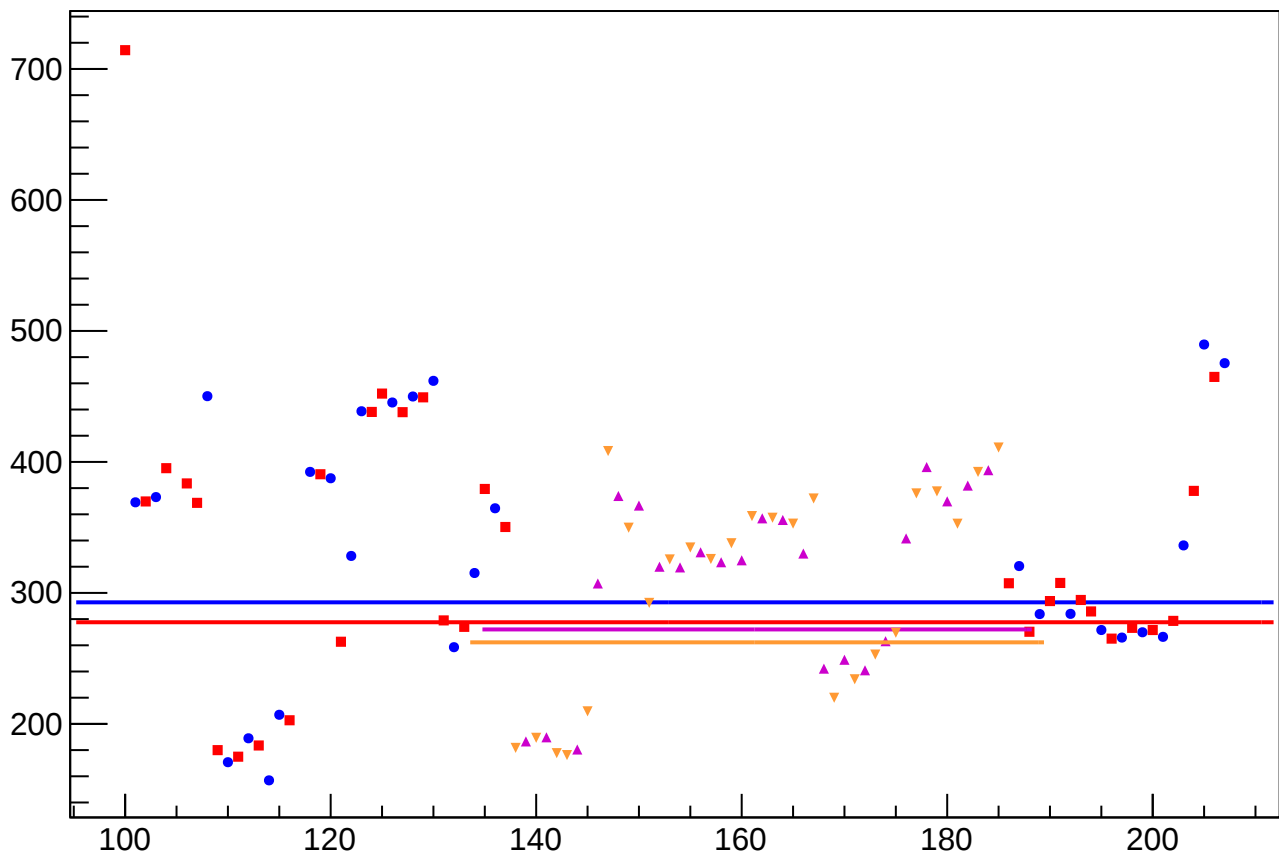
- sign 298.865 ± 0.039 $\chi^2/\text{NDF}: 4852437.3/53$

yield_bpm0r05WS_mean vs Slug



Right In: 133828.969 $\pm$ 0.083 χ^2 /NDF: 756574262.2/26
 Left Out: 131214.985 $\pm$ 0.064 χ^2 /NDF: 1173424494.6/24
 Right Out: 134151.254 $\pm$ 0.075 χ^2 /NDF: 850136732.5/30
 Left In: 131285.623 $\pm$ 0.068 χ^2 /NDF: 1056232192.1/22
 + sign 132199.391 $\pm$ 0.051 χ^2 /NDF: 2552070387.8/24
 All: 132391.248 $\pm$ 0.036 χ^2 /NDF: 528213996.1/24
 - sign 132581.555 $\pm$ 0.051 χ^2 /NDF: 2701636906.9/24

yield_bpm0r05WS_rms vs Slug



Right In: 292.807 ± 0.059 χ^2/NDF : 2107974.9/26

Left Out: 262.260 ± 0.045 χ^2/NDF : 2818169.1/24

Right Out: 277.602 ± 0.053 χ^2/NDF : 2082464.5/30

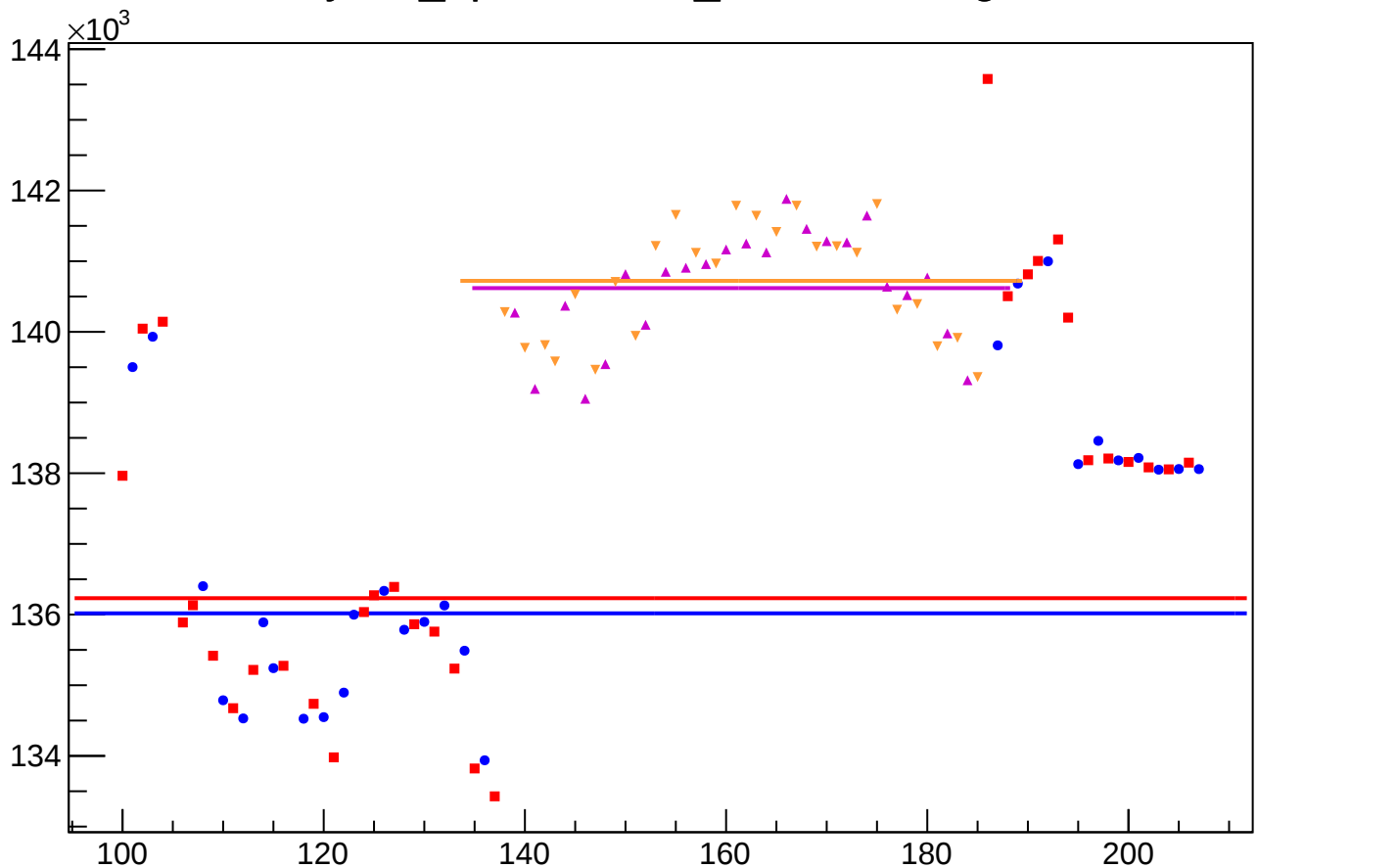
Left In: 272.115 ± 0.048 χ^2/NDF : 2221925.0/22

+ sign 273.764 ± 0.036 χ^2/NDF : 5096055.4/51

All: 274.182 ± 0.025 χ^2/NDF : 9406545.7/105

- sign 274.596 ± 0.036 χ^2/NDF : 4310220.6/53

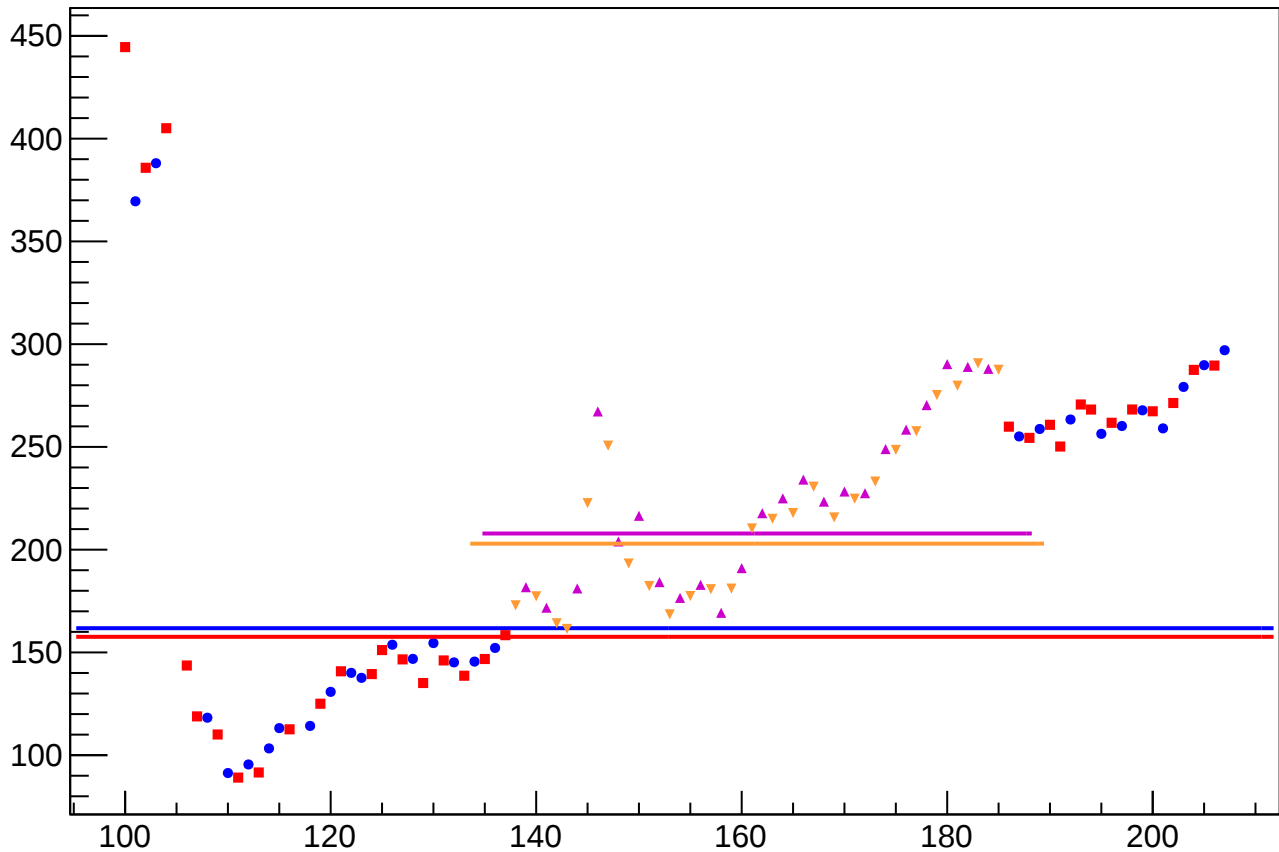
yield_bpm0i02WS_mean vs Slug



Right In: 136017.311 $\pm$ 0.048 χ^2 /NDF: 1452994449.9/26
 Left Out: 140721.823 $\pm$ 0.048 χ^2 /NDF: 247257762.8/24
 Right Out: 136231.580 $\pm$ 0.045 χ^2 /NDF: 2095561785.8/30
 Left In: 140619.038 $\pm$ 0.051 χ^2 /NDF: 200370178.0/22

+ sign 138344.414 $\pm$ 0.034 χ^2 /NDF: 6473458403.1
 All: 138247.207 $\pm$ 0.024 χ^2 /NDF: 129340994
 - sign 138151.435 $\pm$ 0.034 χ^2 /NDF: 6444456467.5/

yield_bpm0i02WS_rms vs Slug



Right In: 161.789+/-0.034 χ^2/NDF : 4339692.1/26

Left Out: 202.934+/-0.034 χ^2/NDF :1052283.6/24

Right Out: 157.593+/-0.032 χ^2/NDF : 4953100.1/30

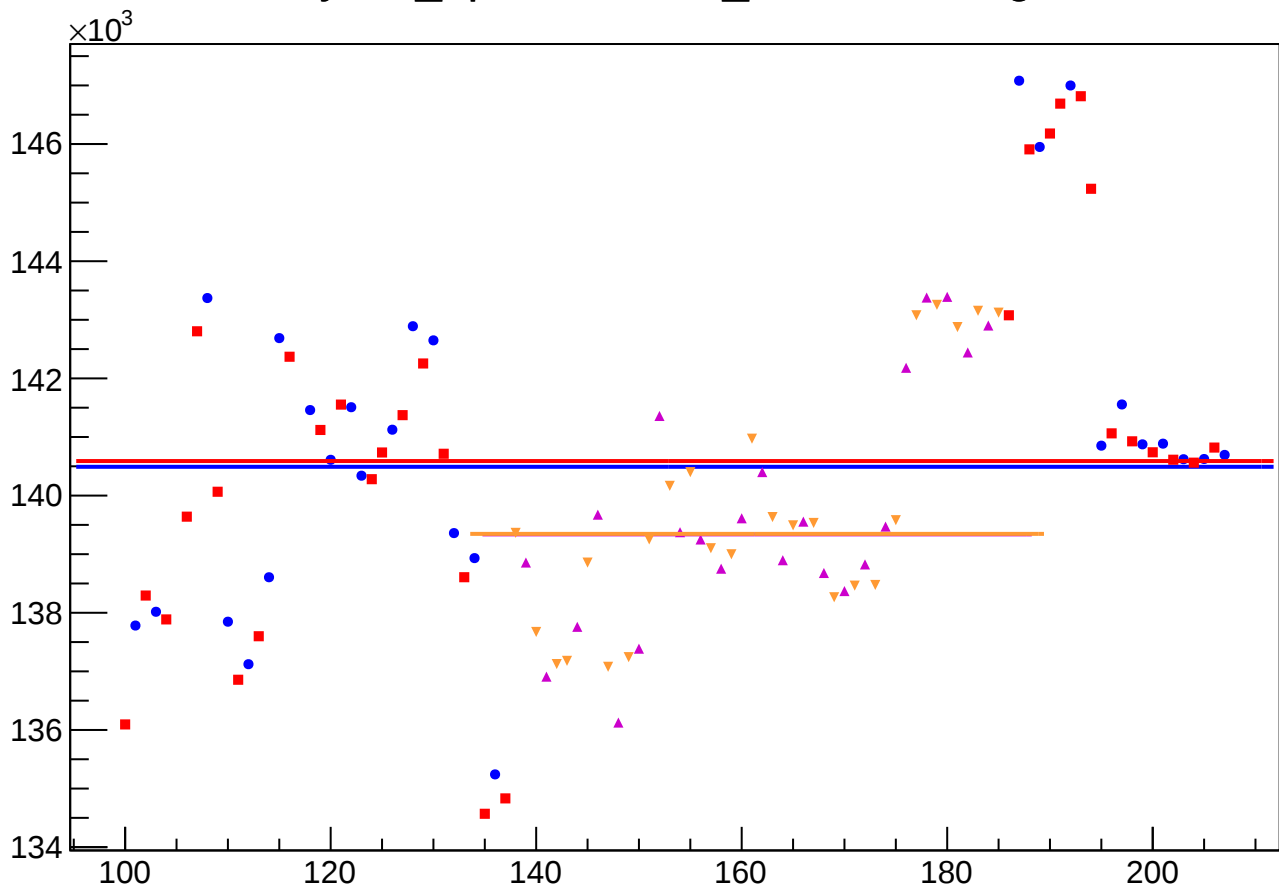
Left In: 207.872+/-0.036 χ^2/NDF :949200.3/22

+ sign 182.142+/-0.024 χ^2/NDF : 6122182.2/51

All: 180.858+/-0.017 χ^2/NDF : 13119724.6/10

- sign 179.594+/-0.024 χ^2/NDF : 6991901.2/53

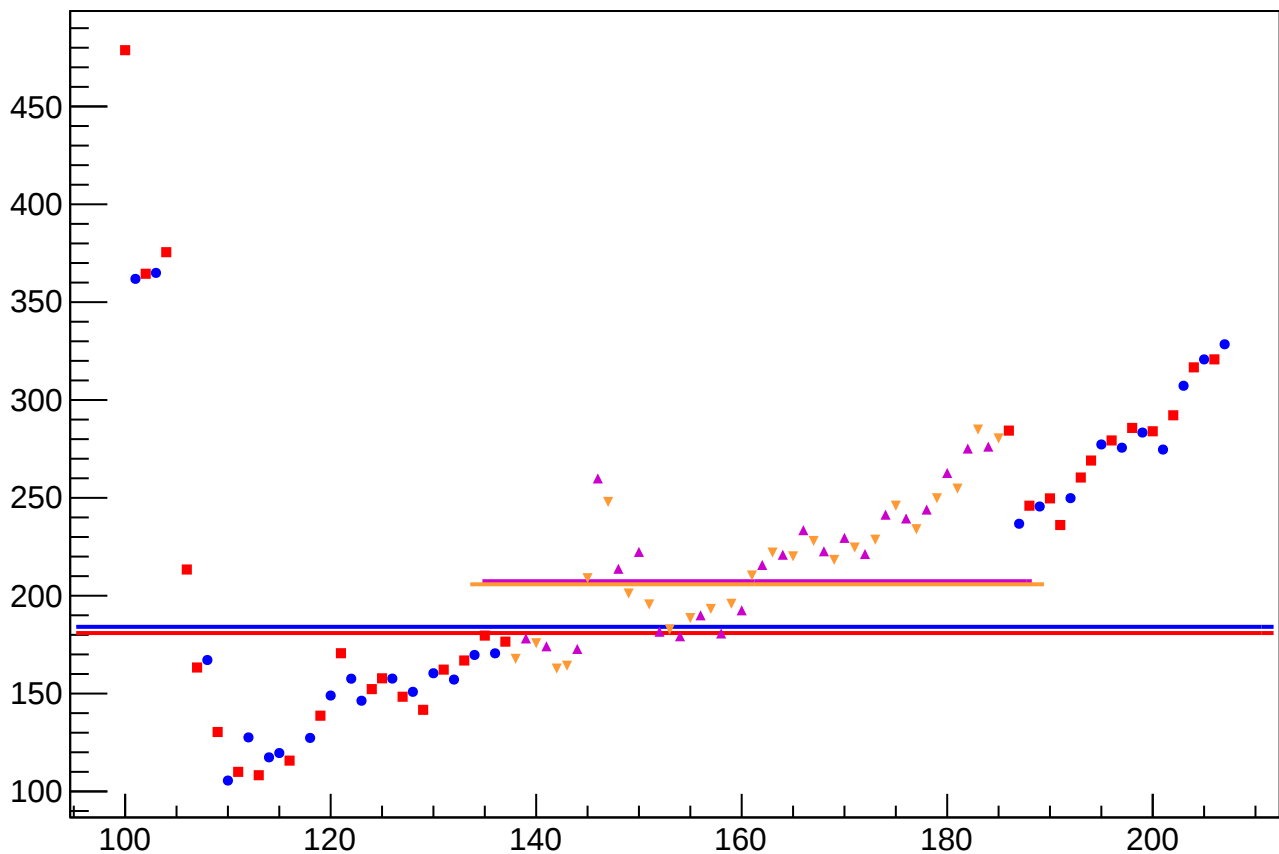
yield_bpm0i02aWS_mean vs Slug



Right In: 140491.390 ± 0.053 $\chi^2/\text{NDF}: 2771450196.8/26$
 Left Out: 139346.604 ± 0.049 $\chi^2/\text{NDF}: 1271172976.7/24$
 Right Out: 140589.375 ± 0.051 $\chi^2/\text{NDF}: 3211778118.5/30$
 Left In: 139337.874 ± 0.051 $\chi^2/\text{NDF}: 1293003954.9/22$

All: 139917.752 ± 0.025 $\chi^2/\text{NDF}: 910458322$
 + sign 139868.753 ± 0.036 $\chi^2/\text{NDF}: 4291936362.0$
 - sign 139966.116 ± 0.036 $\chi^2/\text{NDF}: 4808988470.8$

yield_bpm0i02aWS_rms vs Slug



Right In: 184.102 $\pm$ 0.038 χ^2 /NDF: 3421859.0/26

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 180.926 $\pm$ 0.036 χ^2 /NDF: 3880995.7/30

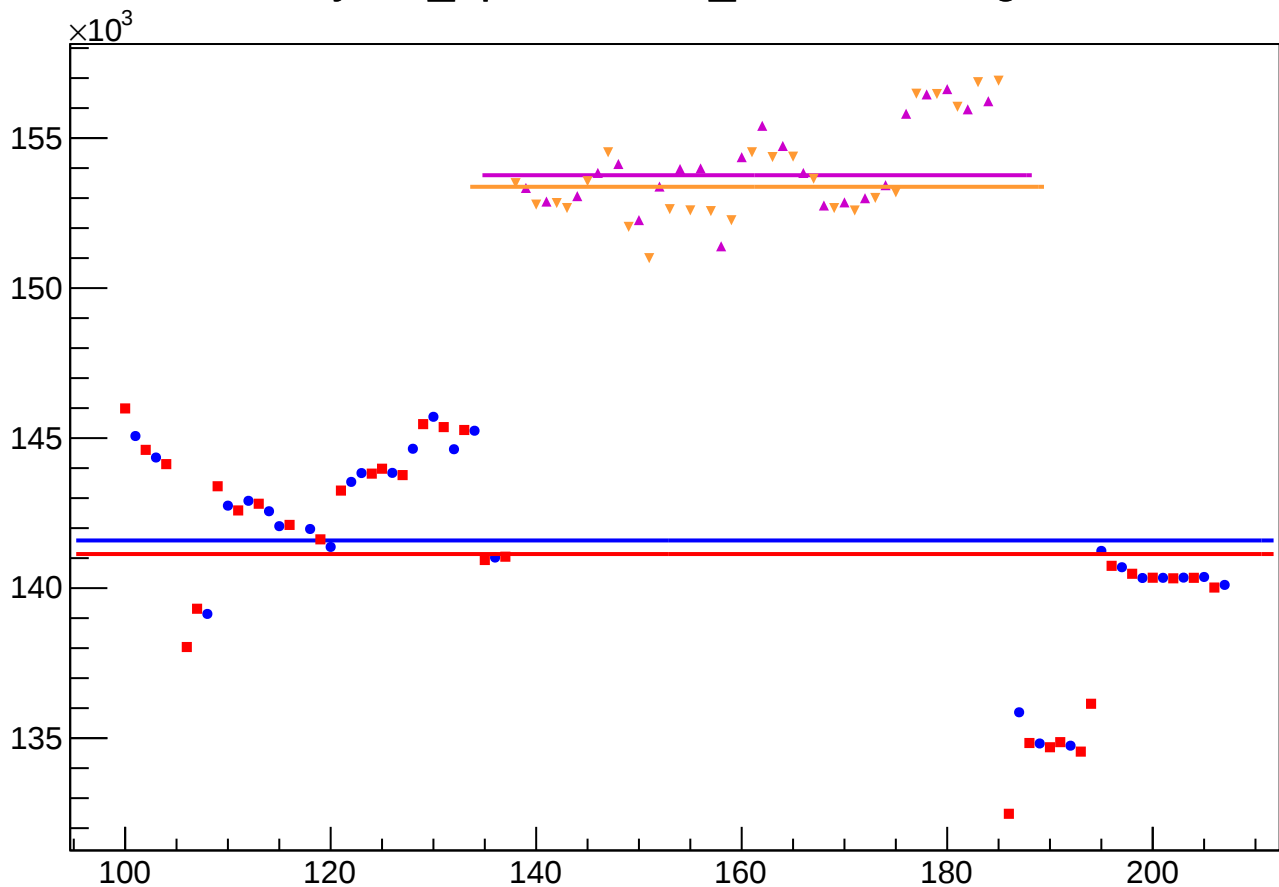
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 195.921 $\pm$ 0.026 χ^2 /NDF: 4340189.8/51

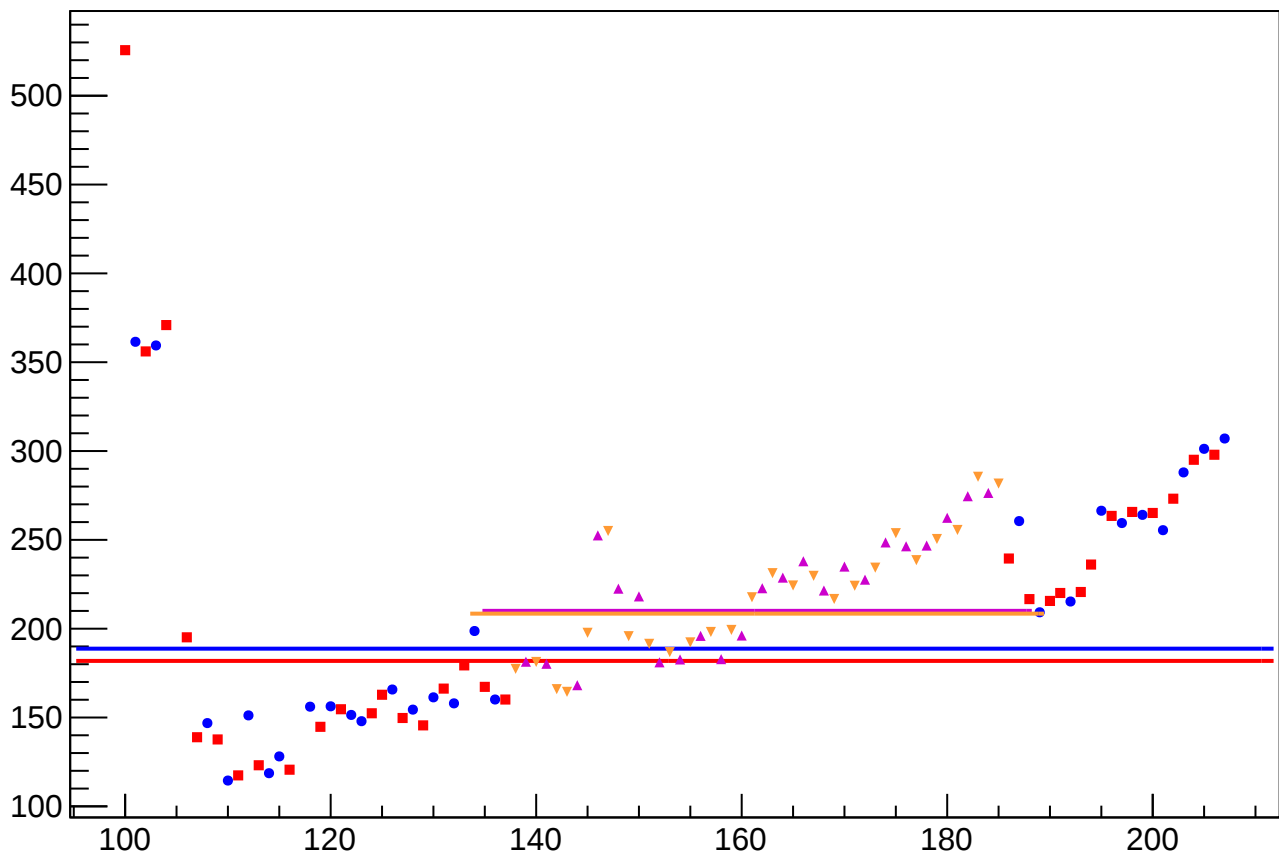
All: 195.014 $\pm$ 0.018 χ^2 /NDF: 9198248.3/105

- sign 194.118 $\pm$ 0.025 χ^2 /NDF: 4855548.8/53

yield_bpm0i05WS_mean vs Slug



yield_bpm0i05WS_rms vs Slug



Right In: 188.757 $\pm$ 0.038 χ^2 /NDF: 2540552.7/26

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 181.863 $\pm$ 0.035 χ^2 /NDF: 2851834.0/30

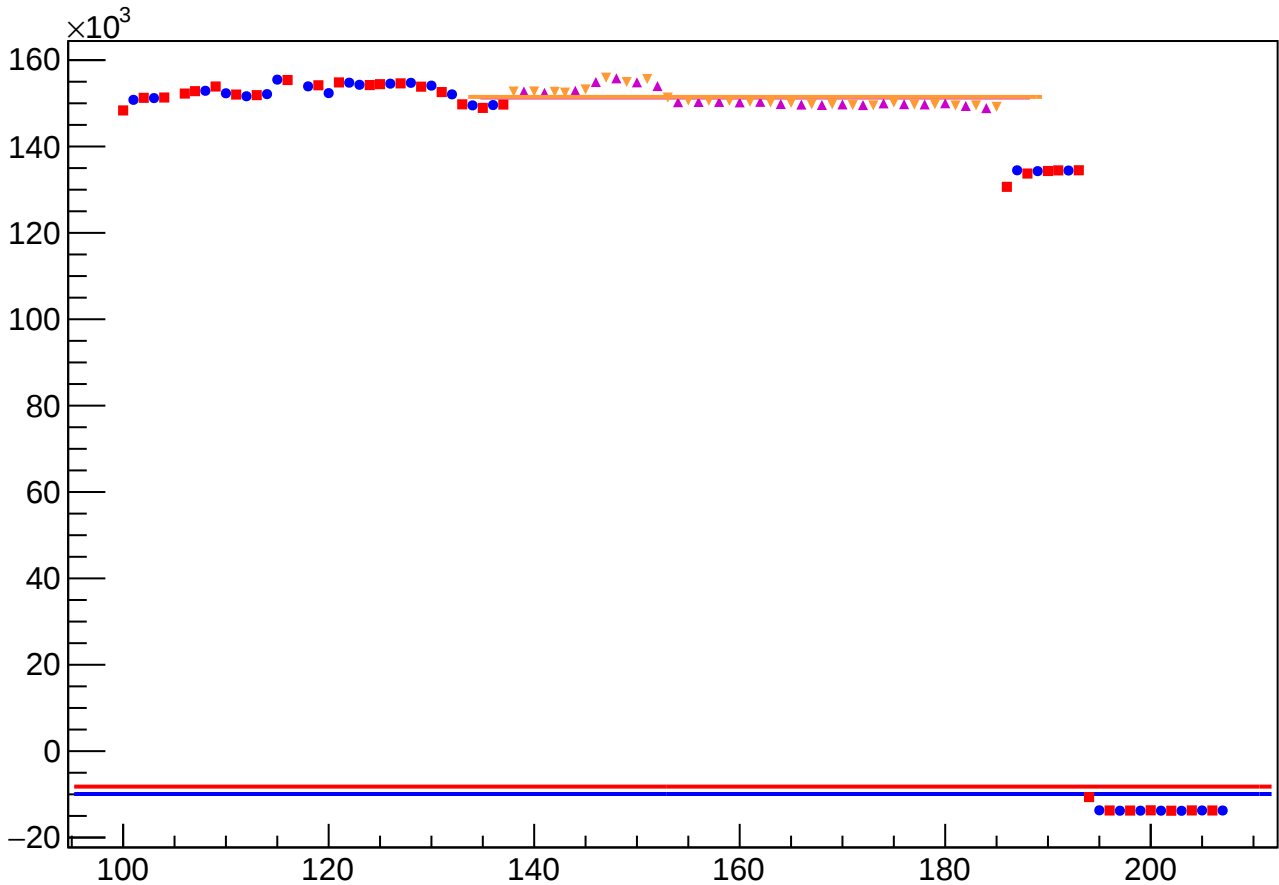
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 199.435 $\pm$ 0.026 χ^2 /NDF: 3406528.7/51

All: 197.449 $\pm$ 0.018 χ^2 /NDF: 7281238.9/105

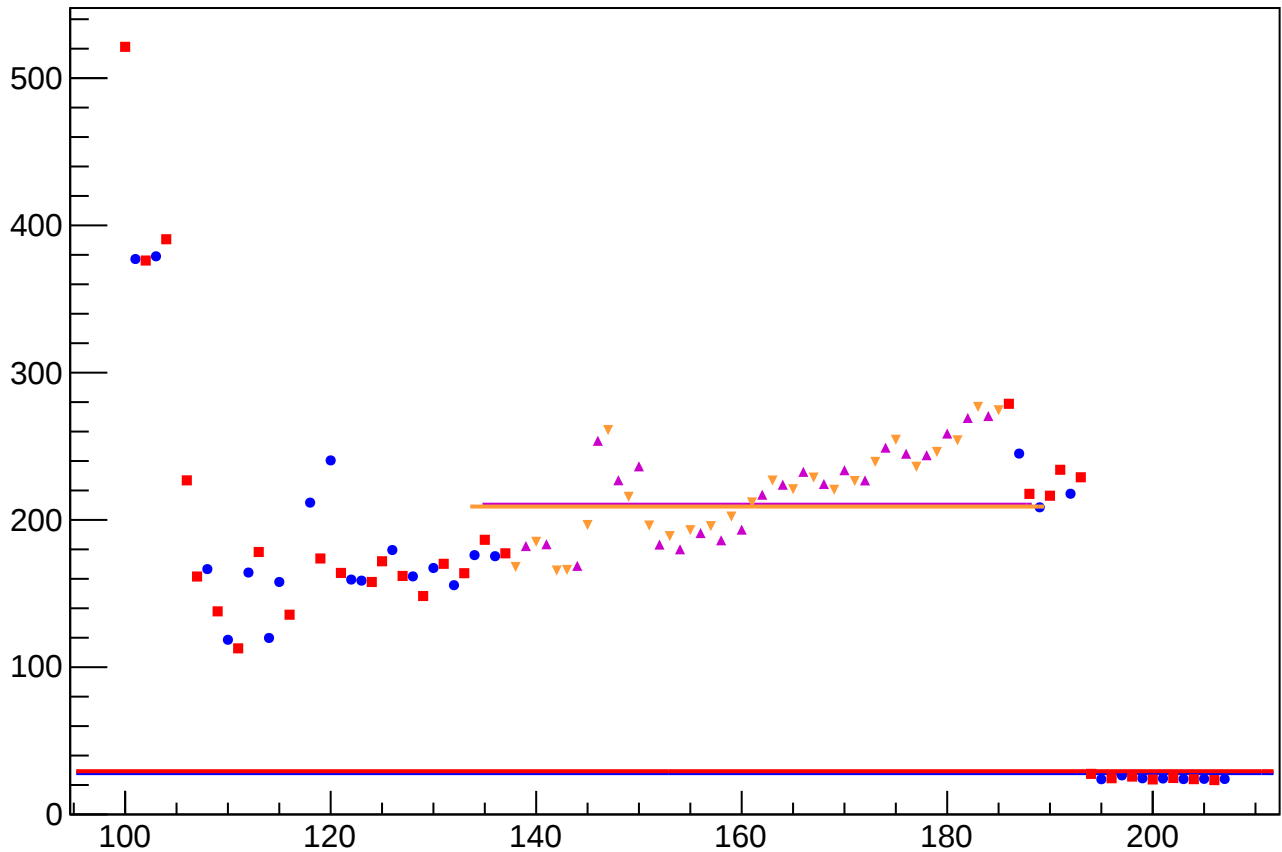
- sign 195.531 $\pm$ 0.025 χ^2 /NDF: 3863050.5/53

yield_bpm0i07WS_mean vs Slug



Right In: -9919.764+/-0.010 χ^2/NDF : 5872740631013.9/26
 Left Out: 151483.385+/-0.050 χ^2/NDF : 1481910066.9/24
 Right Out: -8211.852+/-0.011 χ^2/NDF : 7132715559341.8/30
 Left In: 151363.165+/-0.051 χ^2/NDF : 1421662089.0/22

yield_bpm0i07WS_rms vs Slug



Right In: 28.062 ± 0.007 $\chi^2/\text{NDF}: 11542859.9/26$

Left Out: 209.076 ± 0.035 $\chi^2/\text{NDF}: 708260.3/24$

Right Out: 29.374 ± 0.008 $\chi^2/\text{NDF}: 13463371.6/30$

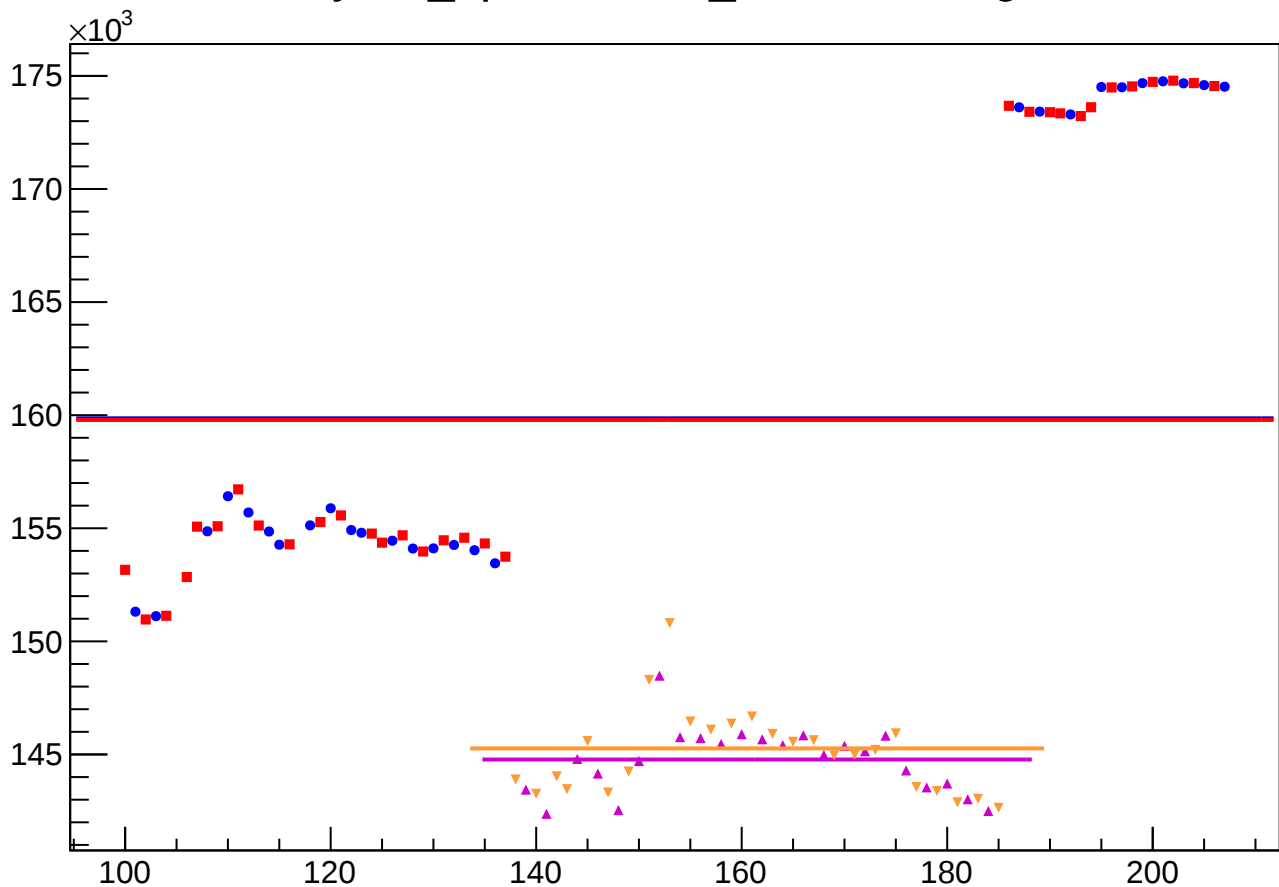
Left In: 210.345 ± 0.036 $\chi^2/\text{NDF}: 677747.7/22$

+ sign 35.476 ± 0.007 $\chi^2/\text{NDF}: 37877532.7/51$

All: 36.248 ± 0.005 $\chi^2/\text{NDF}: 75774807.1/105$

- sign 37.116 ± 0.008 $\chi^2/\text{NDF}: 37872066.4/53$

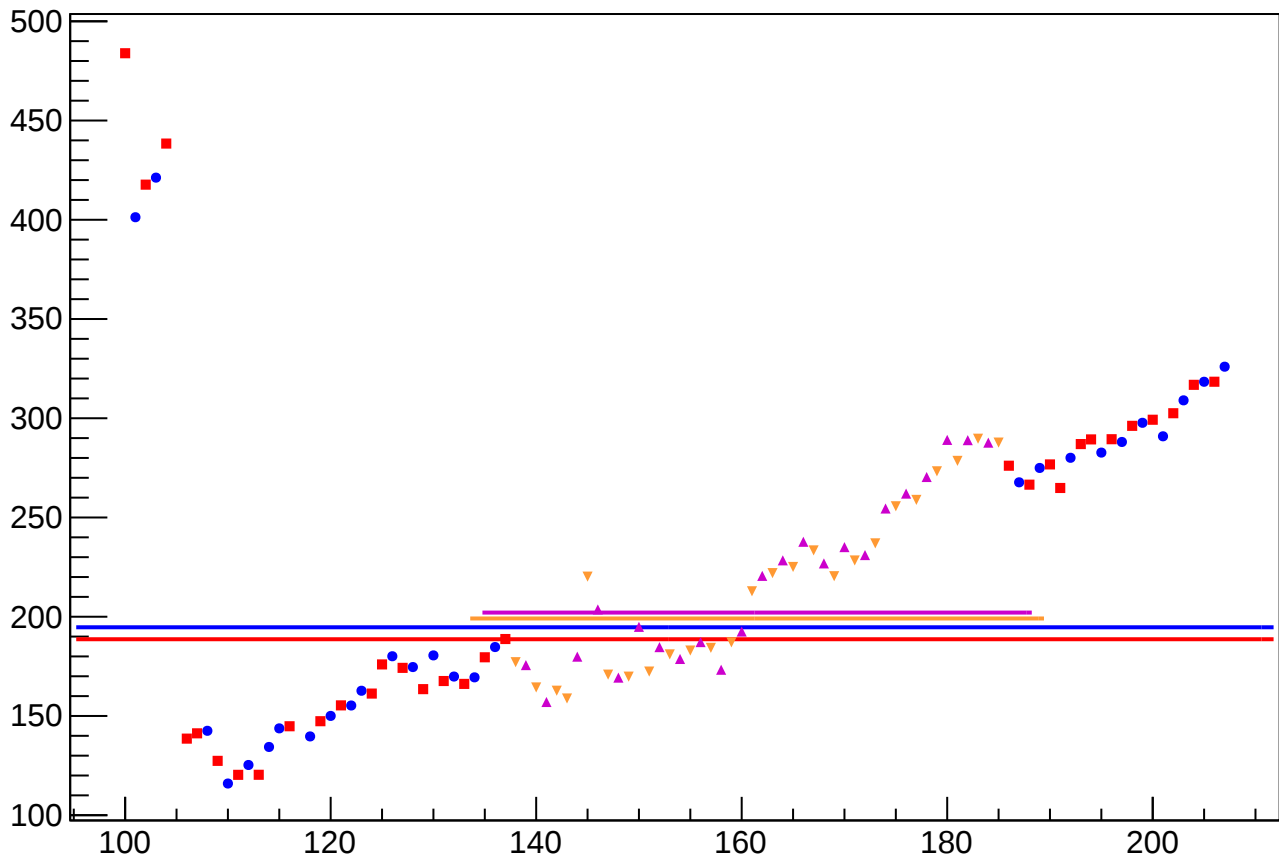
yield_bpm1i02WS_mean vs Slug



Right In: 159860.858 $\pm$ 0.056 χ^2 /NDF: 23403456470.1/26
 Left Out: 145266.717 $\pm$ 0.047 χ^2 /NDF: 1717707352.7/24
 Right Out: 159790.320 $\pm$ 0.052 χ^2 /NDF: 26100811442.6/30
 Left In: 144776.016 $\pm$ 0.050 χ^2 /NDF: 918120275.4/22

+ sign 151316.785 $\pm$ 0.036 χ^2 /NDF: 64430680026.
 All: 151589.055 $\pm$ 0.026 χ^2 /NDF: 134851404
 - sign 151857.737 $\pm$ 0.036 χ^2 /NDF: 70308721254.2

yield_bpm1i02WS_rms vs Slug



Right In: 194.684 $\pm$ 0.040 χ^2 /NDF: 3402834.4/26

Left Out: 199.118 $\pm$ 0.034 χ^2 /NDF:1152231.0/24

Right Out: 188.658 $\pm$ 0.037 χ^2 /NDF: 3881903.5/30

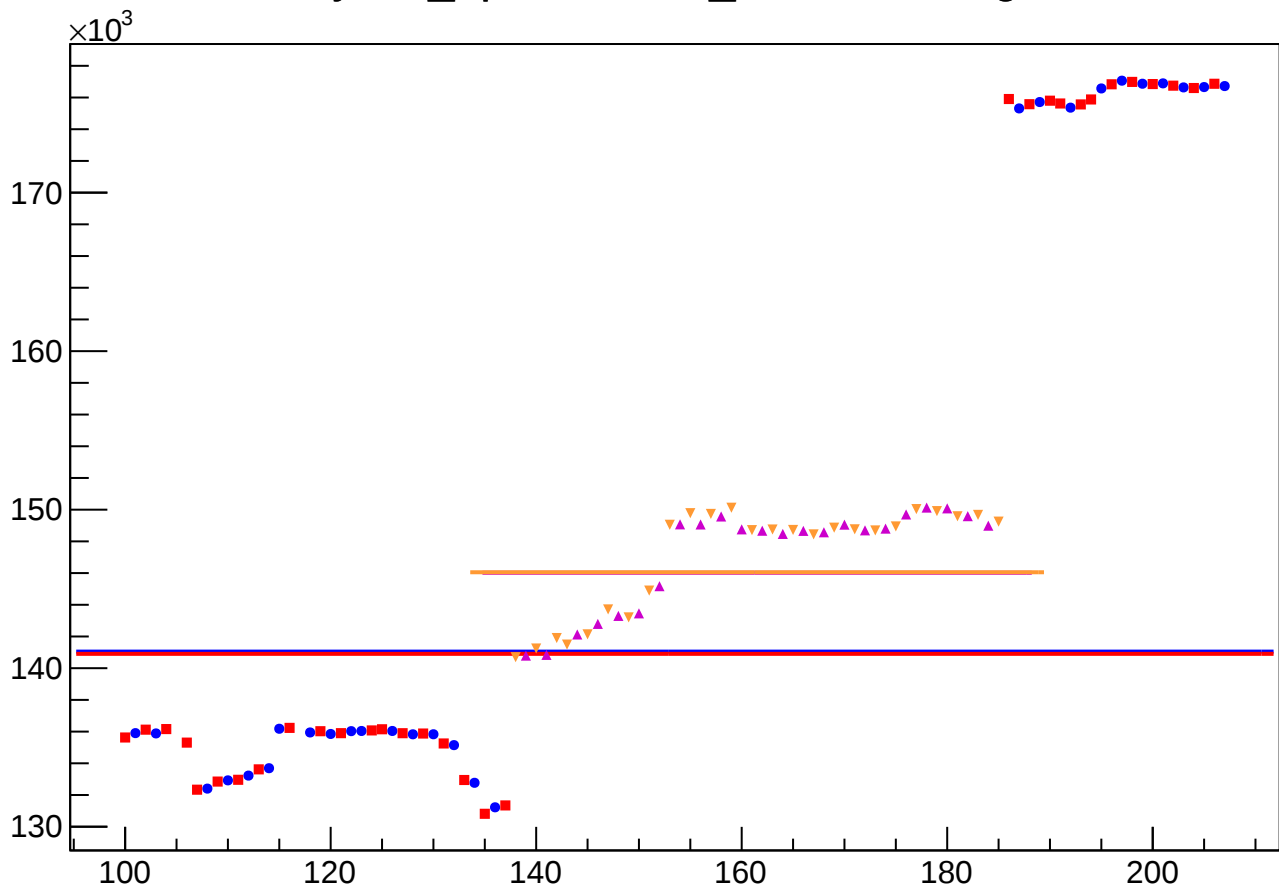
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 197.280 $\pm$ 0.026 χ^2 /NDF: 4562321.4/51

All: 196.512 $\pm$ 0.018 χ^2 /NDF: 9573132.9/105

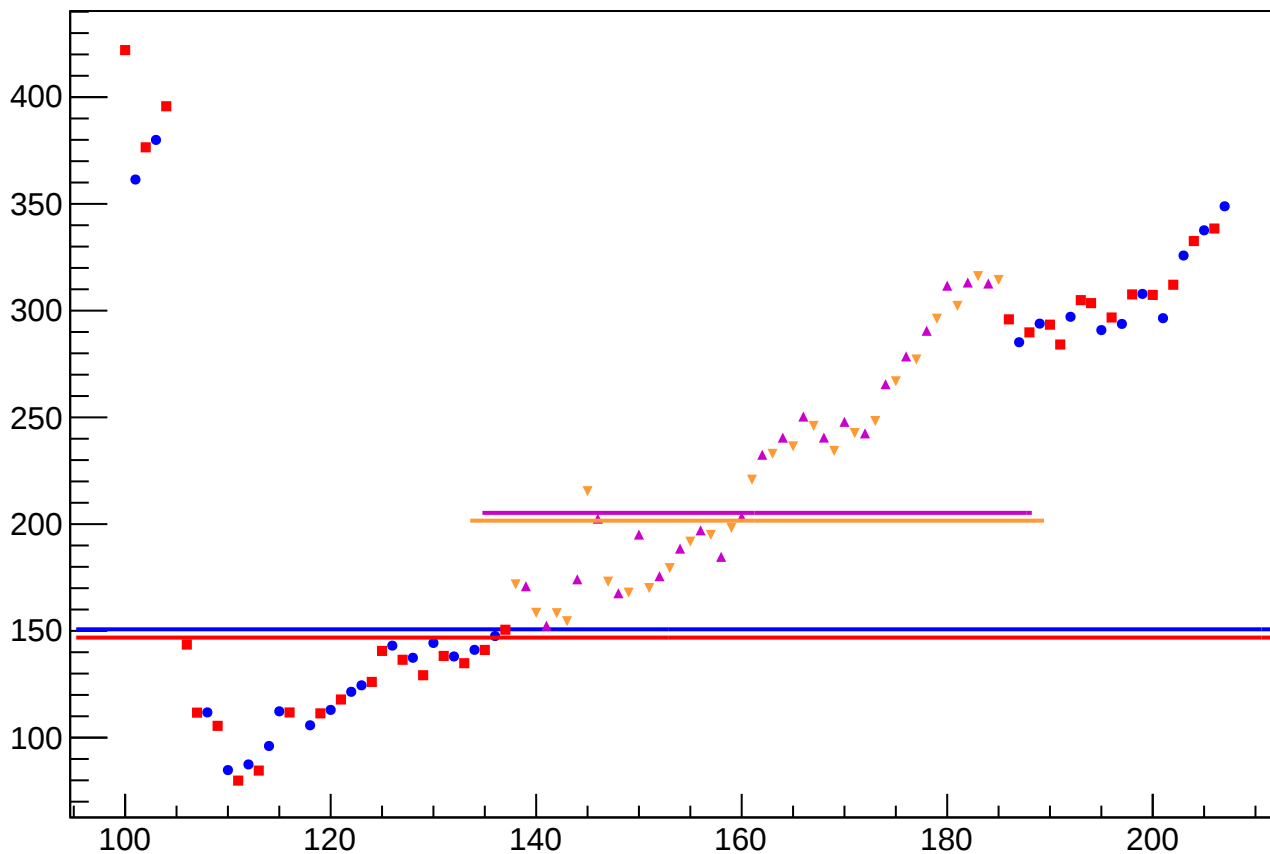
- sign 195.755 $\pm$ 0.025 χ^2 /NDF: 5009030.6/53

yield_bpm1i04WS_mean vs Slug



Right In: 141046.321 $\pm$ 0.046 χ^2/NDF : 113235353398.7/26
 Left Out: 146051.733 $\pm$ 0.048 χ^2/NDF : 5403300123.1/24
 Right Out: 140905.349 $\pm$ 0.043 χ^2/NDF : 127681605240.7/30
 Left In: 146020.015 $\pm$ 0.051 χ^2/NDF : 4591425371.4/22
 All: 143252.964 $\pm$ 0.023 χ^2/NDF : 262454987
 + sign 143437.032 $\pm$ 0.033 χ^2/NDF : 124247736588
 - sign 143073.339 $\pm$ 0.033 χ^2/NDF : 138147180532

yield_bpm1i04WS_rms vs Slug



Right In: 150.734 $\pm$ 0.033 χ^2 /NDF: 5946088.9/26

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 146.856 $\pm$ 0.031 χ^2 /NDF: 6719193.4/30

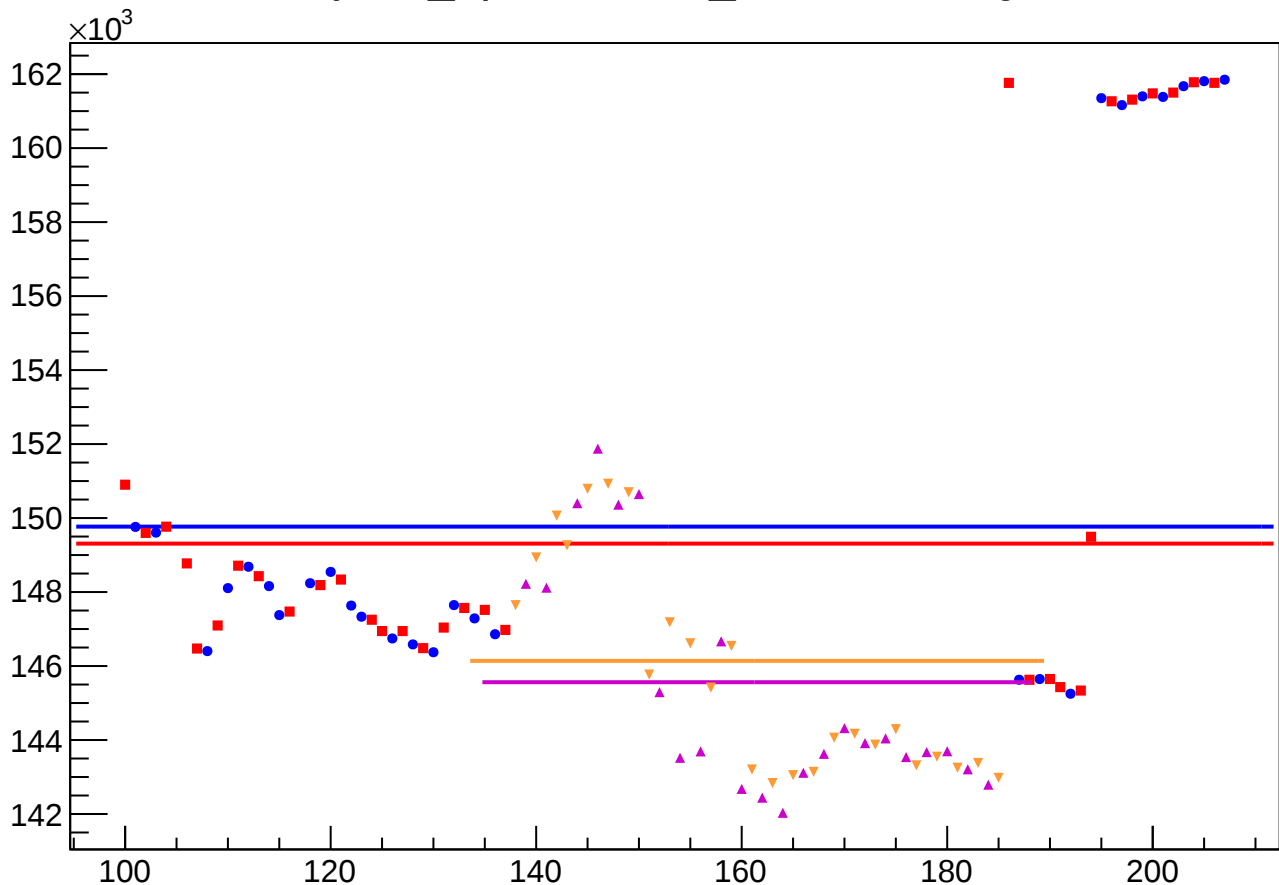
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 175.044 $\pm$ 0.024 χ^2 /NDF: 8695606.3/51

All: 173.313 $\pm$ 0.017 χ^2 /NDF: 18383959.4/10

- sign 171.623 $\pm$ 0.023 χ^2 /NDF: 9677727.3/53

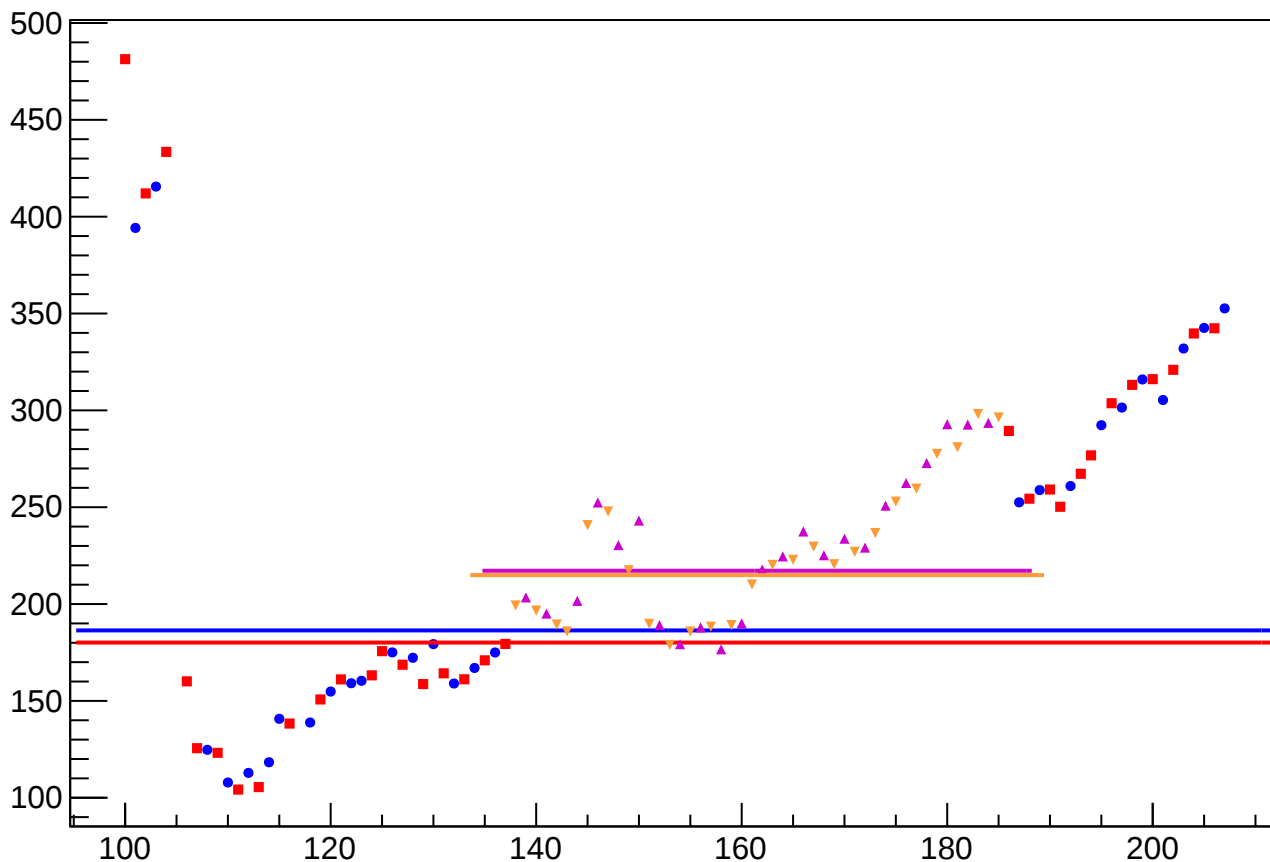
yield_bpm1i06WS_mean vs Slug



Right In: 149768.370 ± 0.055 χ^2/NDF : 9416474437.5/26
 Left Out: 146139.326 ± 0.051 χ^2/NDF : 2699546907.6/24
 Right Out: 149308.938 ± 0.051 χ^2/NDF : 8657365820.9/30
 Left In: 145562.386 ± 0.053 χ^2/NDF : 3054641996.0/22

+ sign 147821.301 ± 0.037 χ^2/NDF : 14471518890.9
 All: 147665.327 ± 0.026 χ^2/NDF : 288143033.9
 - sign 147513.963 ± 0.037 χ^2/NDF : 14308305599.9

yield_bpm1i06WS_rms vs Slug



Right In: 186.386 $\pm$ 0.039 χ^2 /NDF: 4093254.7/26

Left Out: 214.945 $\pm$ 0.036 χ^2 /NDF: 728515.5/24

Right Out: 180.121 $\pm$ 0.036 χ^2 /NDF: 4602844.4/30

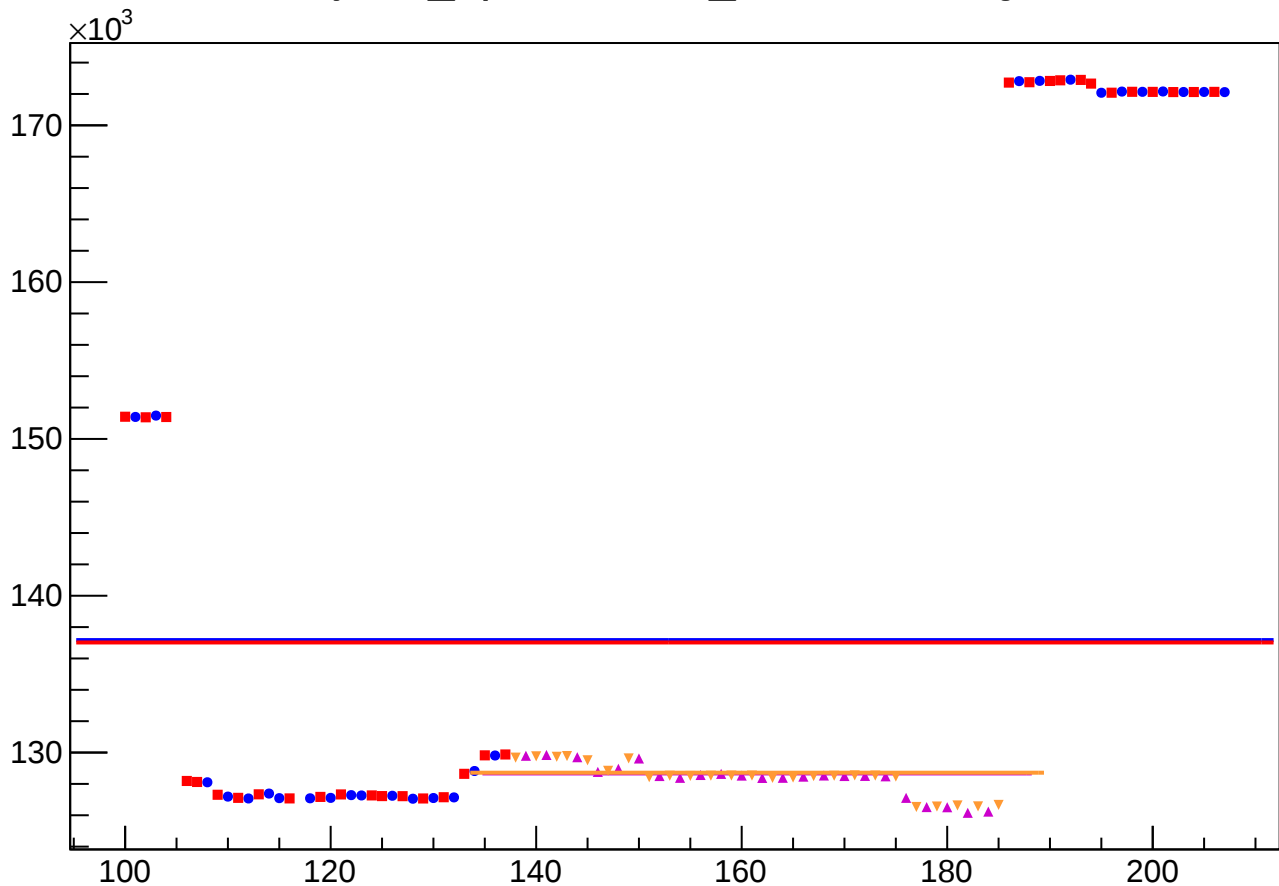
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 201.709 $\pm$ 0.026 χ^2 /NDF: 5113523.9/51

All: 199.769 $\pm$ 0.019 χ^2 /NDF: 11000532.7/10

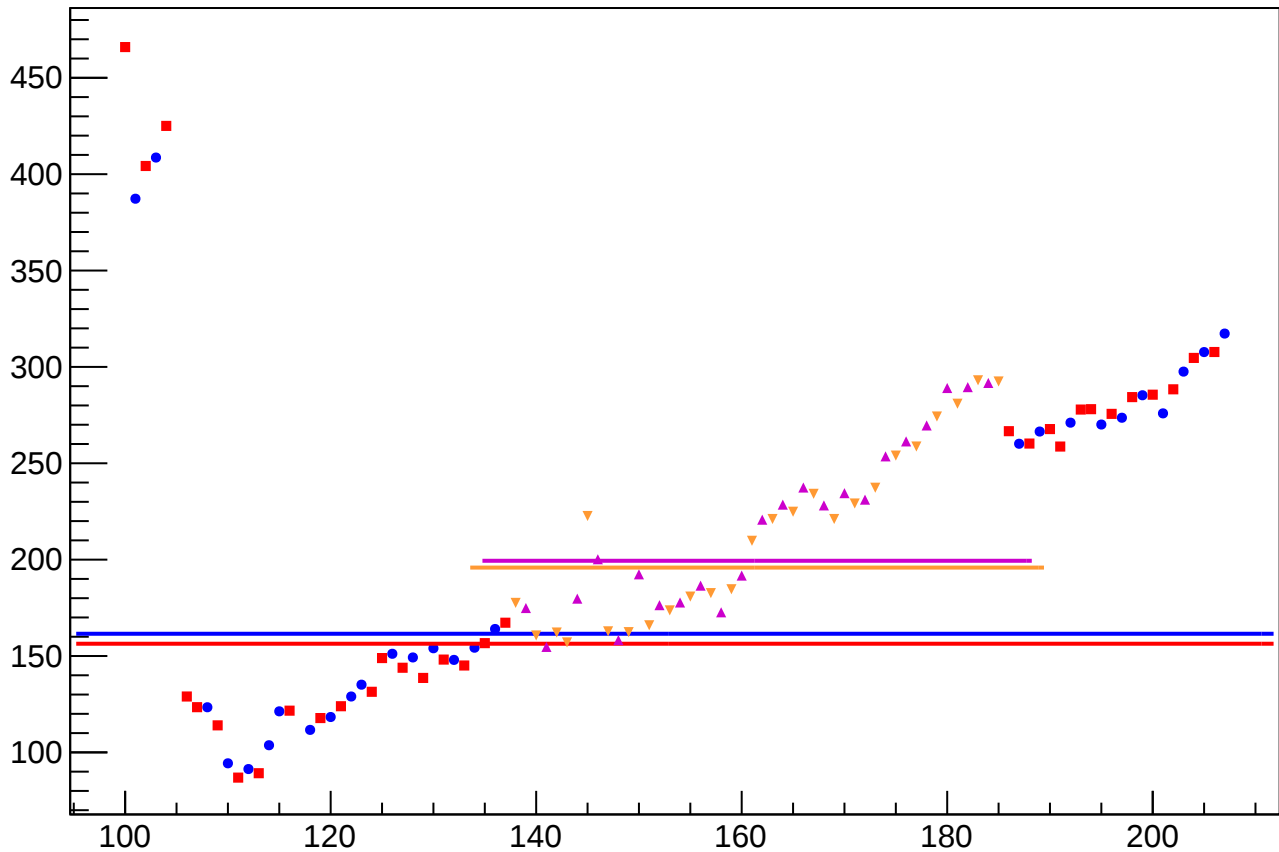
- sign 197.887 $\pm$ 0.026 χ^2 /NDF: 5876346.9/53

yield_bpm2i01WS_mean vs Slug



Right In: 137172.317 $\pm$ 0.048 χ^2 /NDF: 142420146747.4/26
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 137020.052 $\pm$ 0.045 χ^2 /NDF: 163050265085.2/30
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22
 + sign 132802.315 $\pm$ 0.034 χ^2 /NDF: 158622751413
 All: 133004.929 $\pm$ 0.024 χ^2 /NDF: 337860703
 - sign 133202.209 $\pm$ 0.033 χ^2 /NDF: 179166041642

yield_bpm2i01WS_rms vs Slug



Right In: 161.546 ± 0.034 χ^2/NDF : 4855625.1/26

Left Out: 195.883 ± 0.033 χ^2/NDF : 1313361.5/24

Right Out: 156.370 ± 0.032 χ^2/NDF : 5491526.9/30

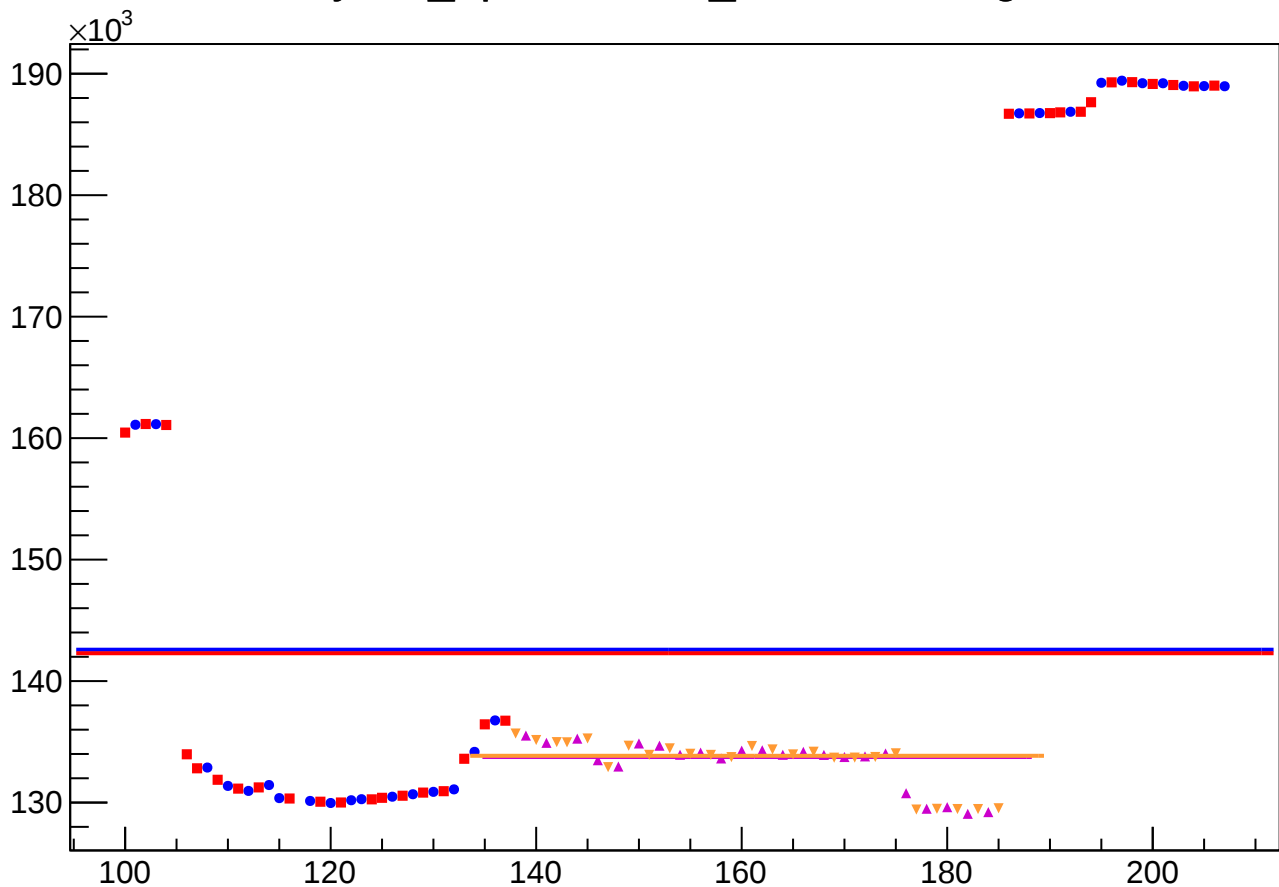
Left In: 199.413 ± 0.035 χ^2/NDF : 1165698.7/22

+ sign 179.287 ± 0.024 χ^2/NDF : 6691613.8/51

All: 177.644 ± 0.017 χ^2/NDF : 14196486.9/10

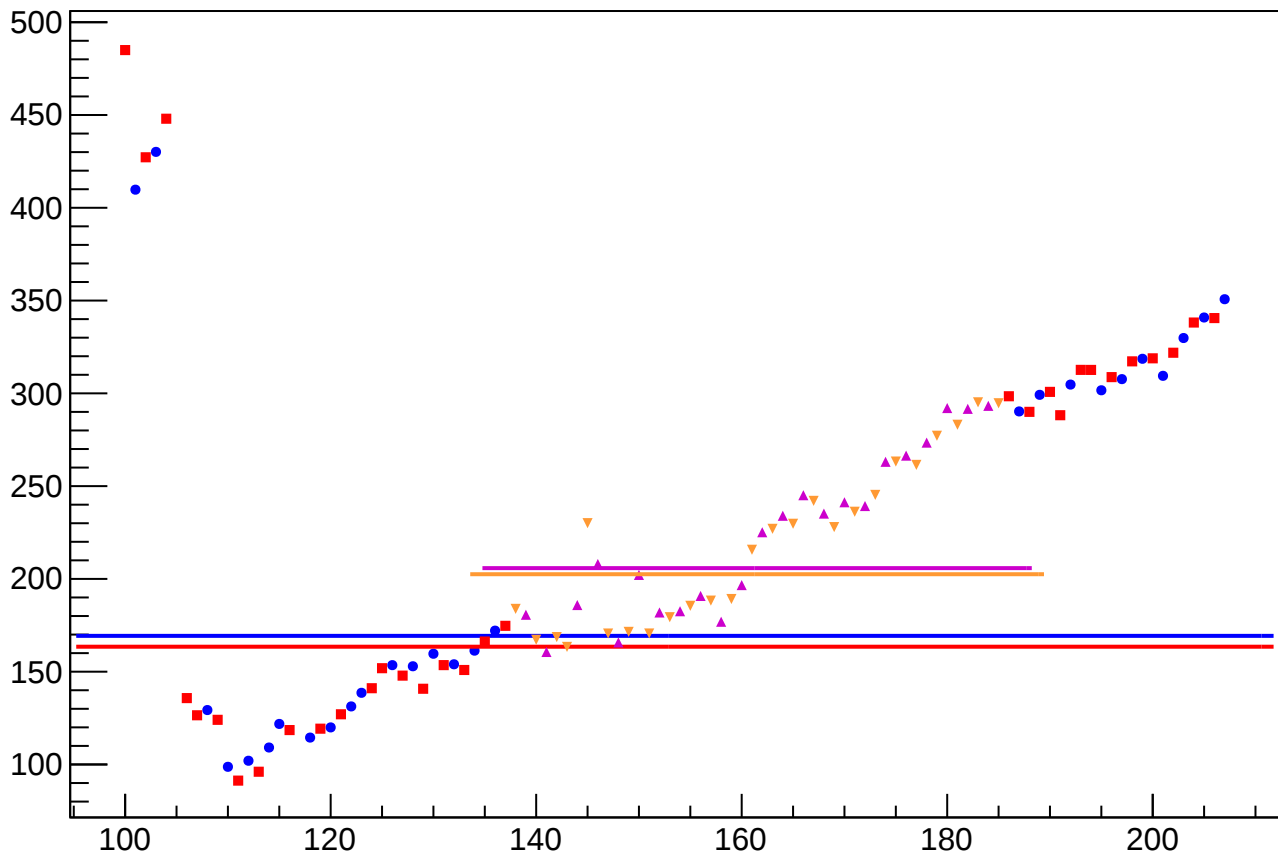
- sign 176.043 ± 0.023 χ^2/NDF : 7495411.0/53

yield_bpm2i02WS_mean vs Slug



Right In: 142583.479 $\pm$ 0.051 χ^2 /NDF: 191858136782.5/26
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 142292.391 $\pm$ 0.047 χ^2 /NDF: 214396511519.7/30
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

yield_bpm2i02WS_rms vs Slug



Right In: 169.310 $\pm$ 0.036 χ^2 /NDF: 5273915.2/26

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF: 1211991.5/24

Right Out: 163.465 $\pm$ 0.034 χ^2 /NDF: 6001180.7/30

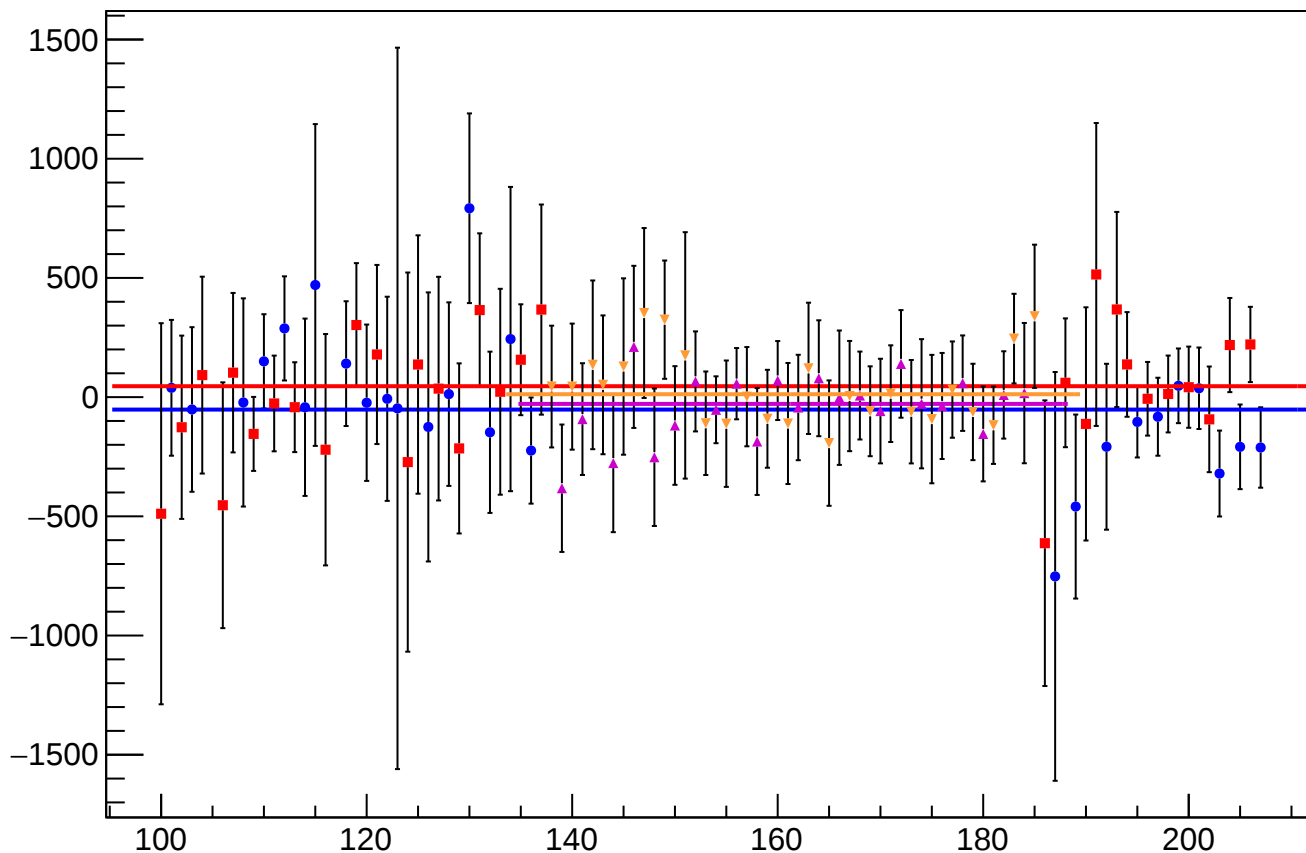
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF: 1094330.7/22

+ sign 186.876 $\pm$ 0.025 χ^2 /NDF: 6933087.0/51

All: 185.081 $\pm$ 0.017 χ^2 /NDF: 14784844.1/10

- sign 183.333 $\pm$ 0.024 χ^2 /NDF: 7841413.1/53

asym_bcm_an_ds_mean vs Slug



Right In: -52.247 ± 48.184 χ^2/NDF : 16.9/26

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 45.798 ± 46.911 χ^2/NDF : 12.7/30

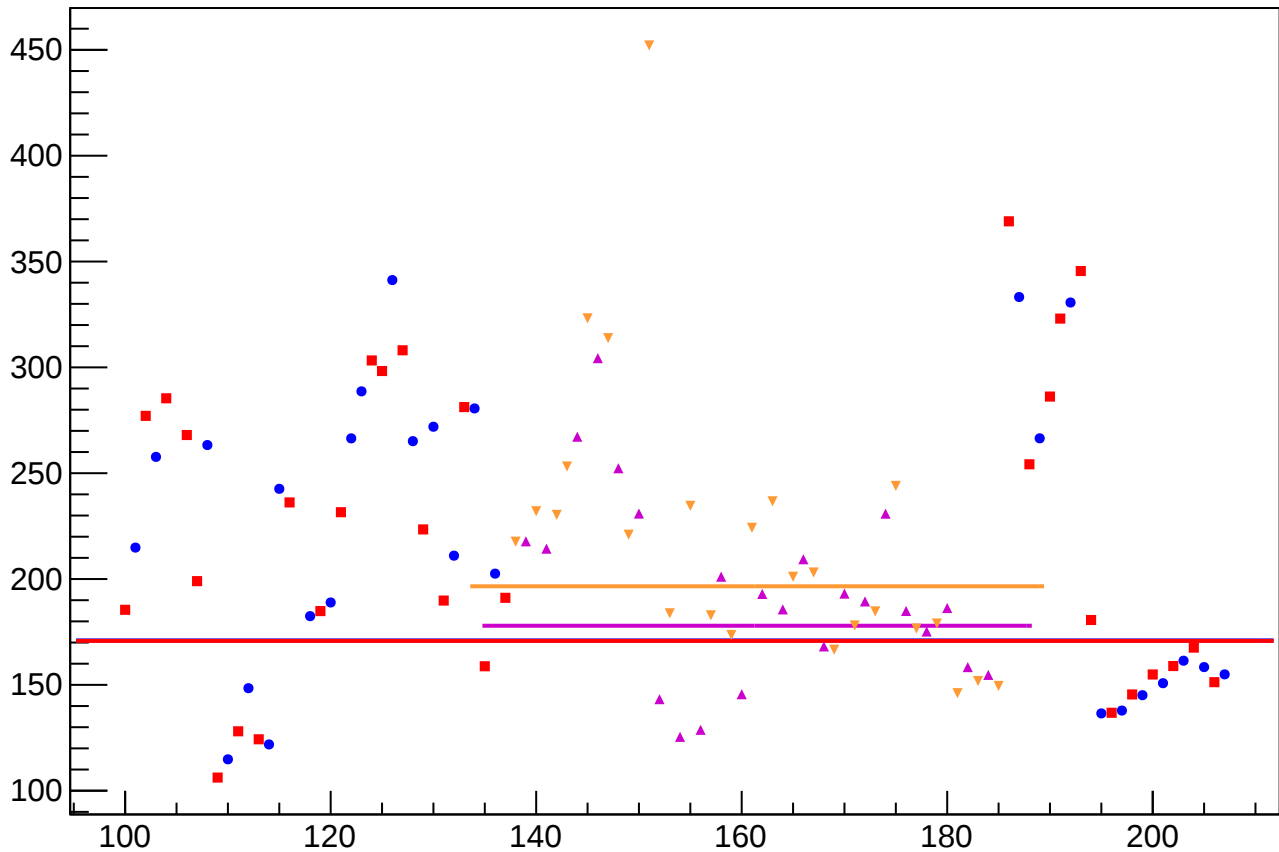
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign -19.594 ± 33.838 χ^2/NDF : 26.4/51

All: -5.769 ± 23.386 χ^2/NDF : 47.4/105

- sign 6.872 ± 32.357 χ^2/NDF : 20.7/53

asym_bcm_an_ds_rms vs Slug



Right In: 171.001 $\pm$ 0.034 χ^2 /NDF: 2102639.2/26

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 170.771 $\pm$ 0.033 χ^2 /NDF: 2779713.9/30

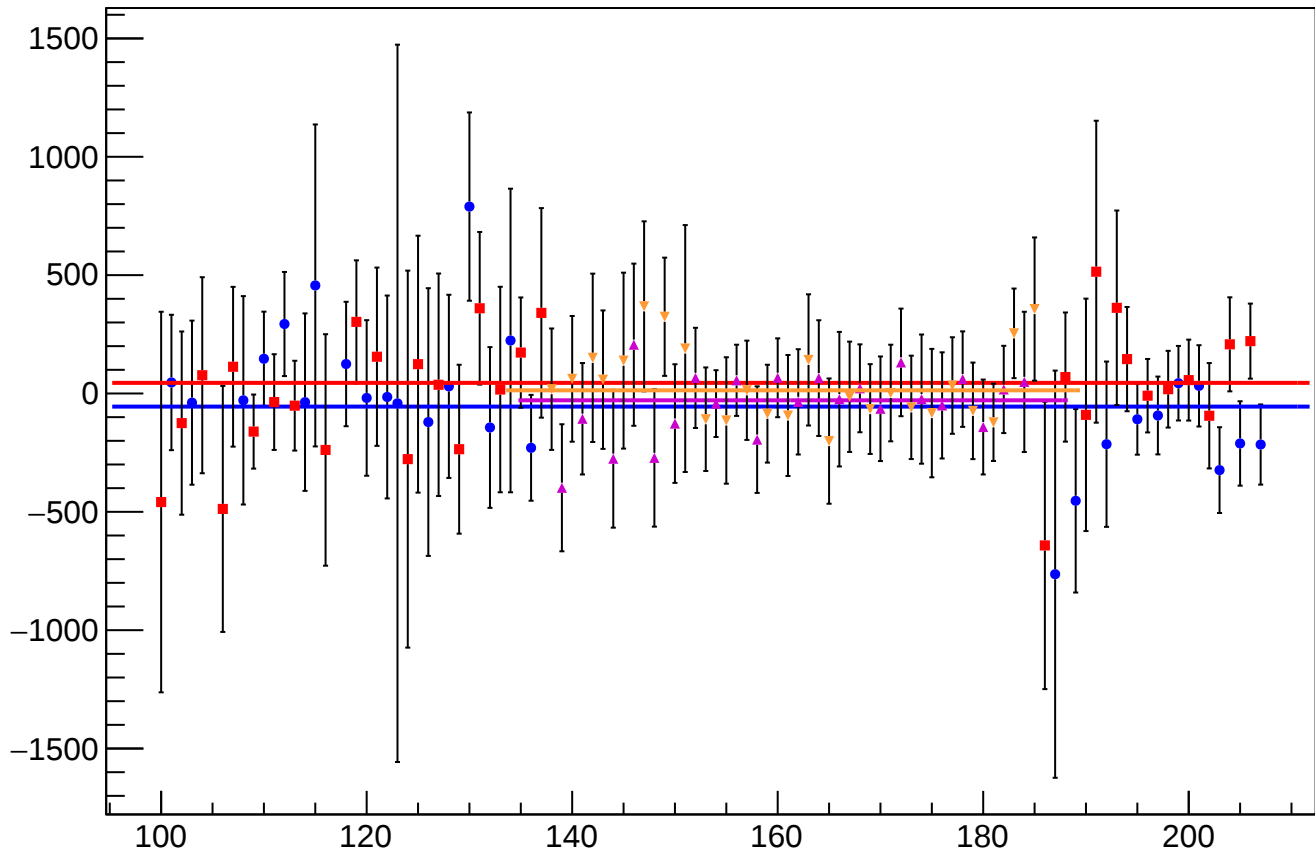
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 183.963 $\pm$ 0.024 χ^2 /NDF: 4166938.8/51

All: 179.033 $\pm$ 0.017 χ^2 /NDF: 8658132.4/105

- sign 174.526 $\pm$ 0.023 χ^2 /NDF: 4409932.2/53

asym_bcm_an_ds3_mean vs Slug



Right In: -55.412 ± 48.418 χ^2/NDF : 16.8/26

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 44.832 ± 47.147 χ^2/NDF : 12.9/30

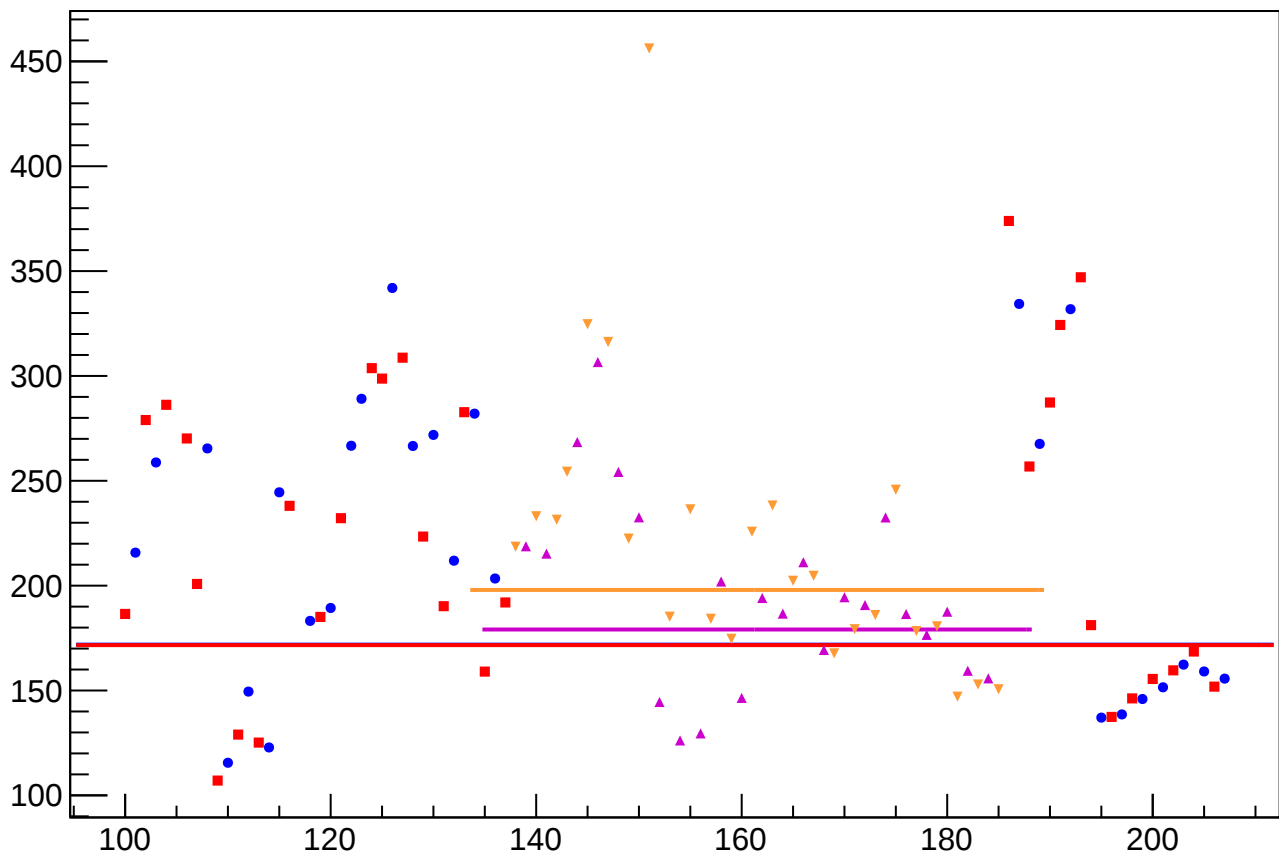
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign -20.612 ± 34.038 χ^2/NDF : 26.8/51

All: -6.562 ± 23.523 χ^2/NDF : 48.2/105

- sign 6.282 ± 32.545 χ^2/NDF : 21.0/53

asym_bcm_an_ds3_rms vs Slug



Right In: 171.859 $\pm$ 0.034 χ^2 /NDF: 2093579.0/26

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 171.641 $\pm$ 0.033 χ^2 /NDF: 2775133.3/30

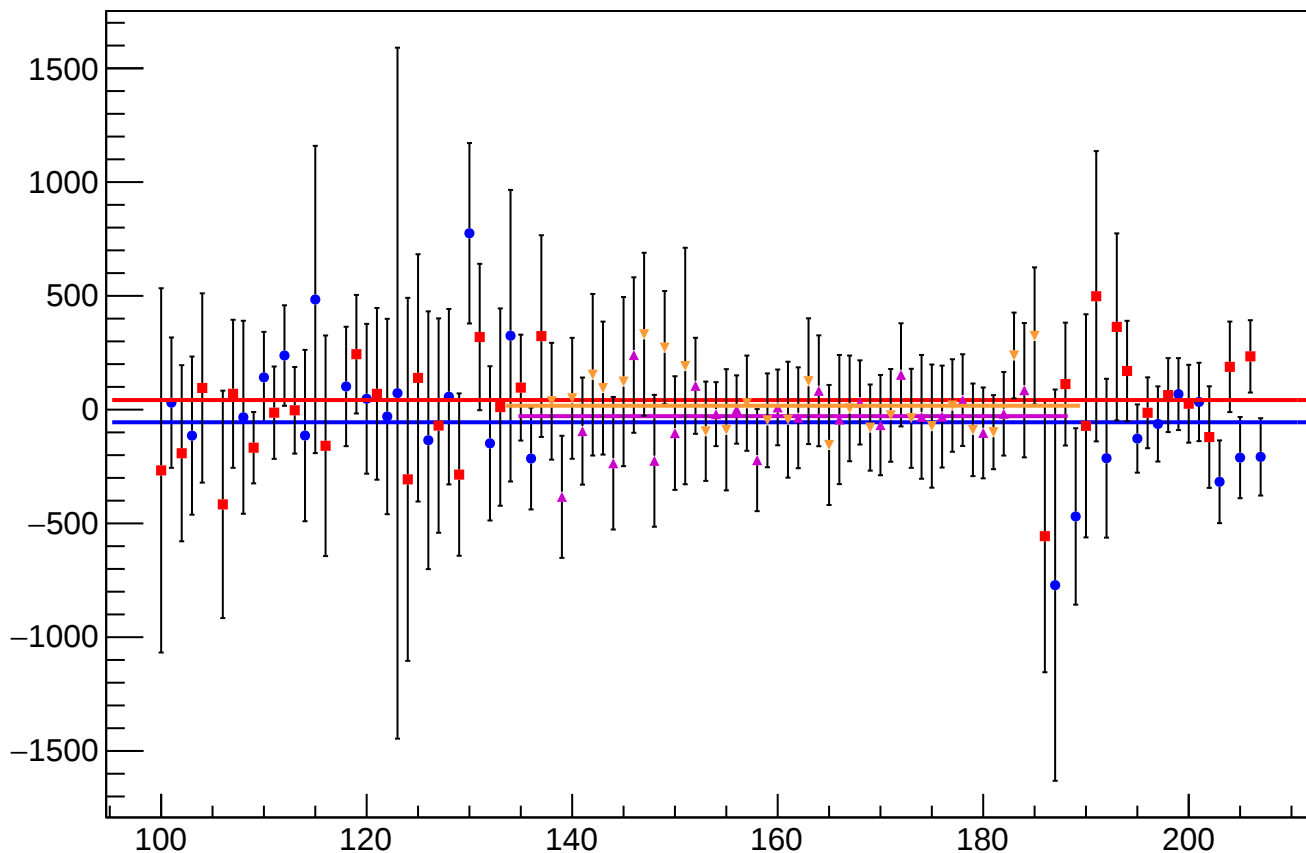
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 185.057 $\pm$ 0.024 χ^2 /NDF: 4161896.4/51

All: 180.085 $\pm$ 0.017 χ^2 /NDF: 8649933.5/105

- sign 175.541 $\pm$ 0.023 χ^2 /NDF: 4406378.1/53

asym_bcm_an_us_mean vs Slug



Right In: -55.473 $\pm$ 48.497 χ^2/NDF : 16.2/26

Left Out: 17.142 $\pm$ 47.738 χ^2/NDF : 7.1/24

Right Out: 42.141 $\pm$ 47.155 χ^2/NDF : 11.7/30

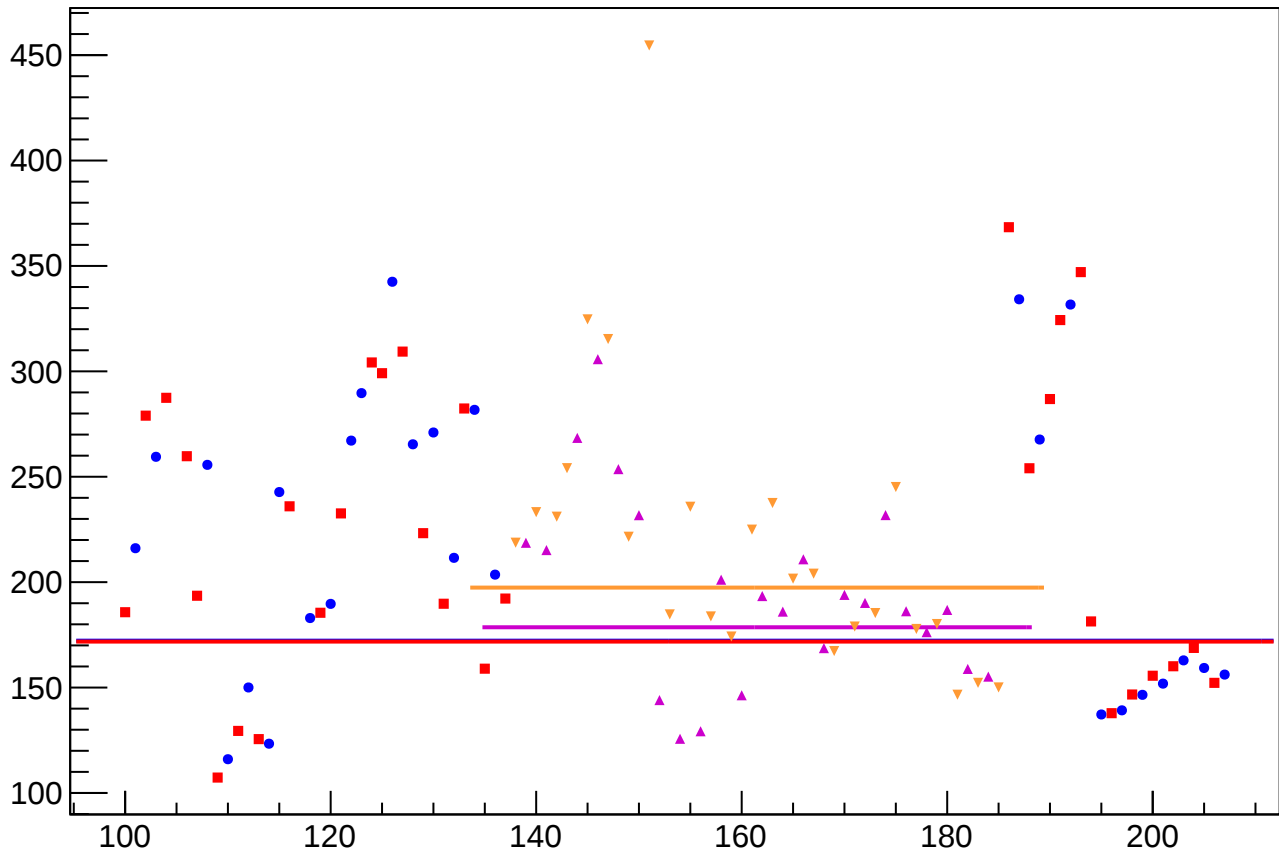
Left In: -28.655 $\pm$ 44.859 χ^2/NDF : 6.1/22

+ sign -18.593 $\pm$ 34.021 χ^2/NDF : 24.4/51

All: -6.270 $\pm$ 23.501 χ^2/NDF : 43.6/105

- sign 4.977 $\pm$ 32.501 χ^2/NDF : 19.0/53

asym_bcm_an_us_rms vs Slug



Right In: 172.245 $\pm$ 0.034 χ^2 /NDF: 2062325.3/26

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 171.811 $\pm$ 0.033 χ^2 /NDF: 2729984.4/30

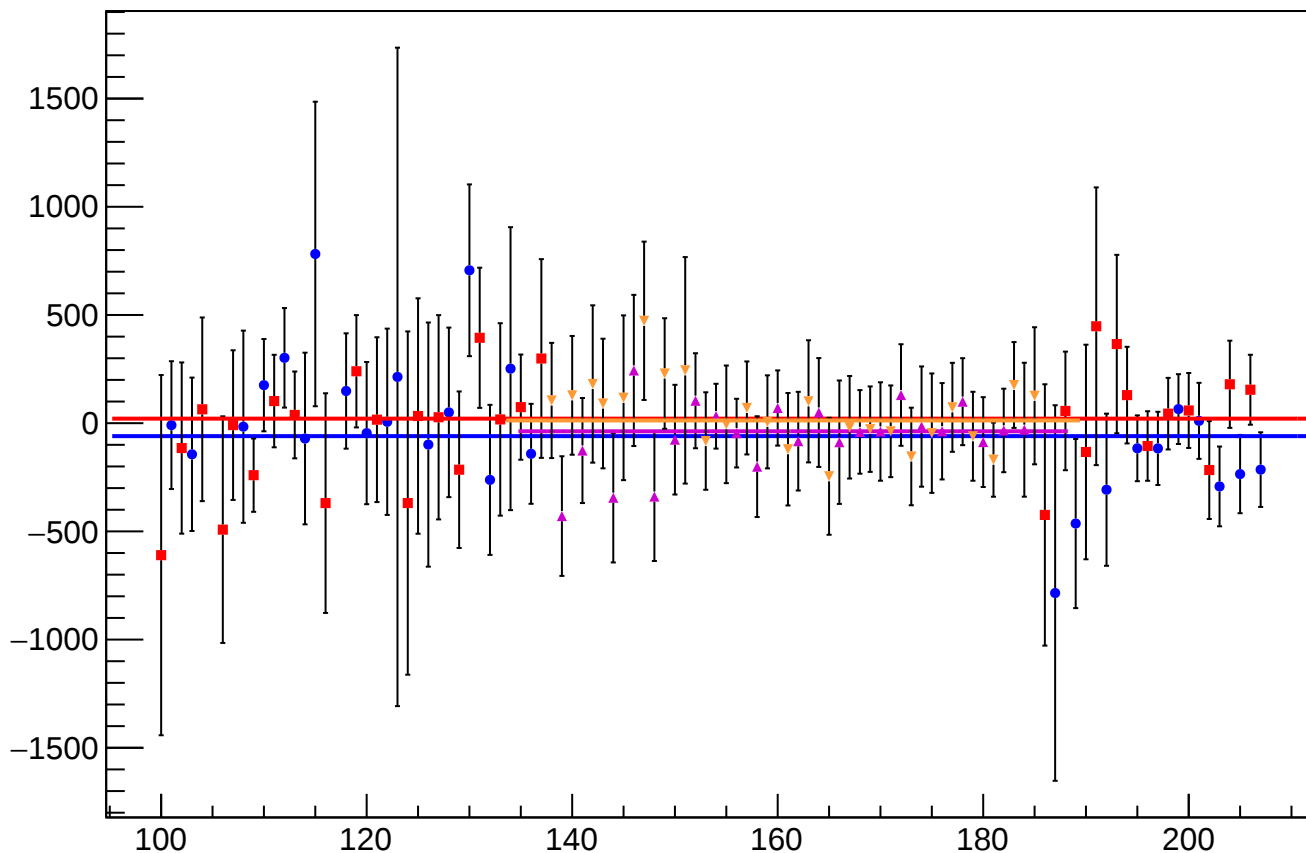
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 185.032 $\pm$ 0.024 χ^2 /NDF: 4116353.6/51

All: 179.983 $\pm$ 0.017 χ^2 /NDF: 8561346.5/105

- sign 175.375 $\pm$ 0.023 χ^2 /NDF: 4360752.4/53

asym_bcm_dg_us_mean vs Slug



Right In: -59.899 ± 49.570 χ^2/NDF : 17.0/26

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 20.982 ± 48.472 χ^2/NDF : 13.0/30

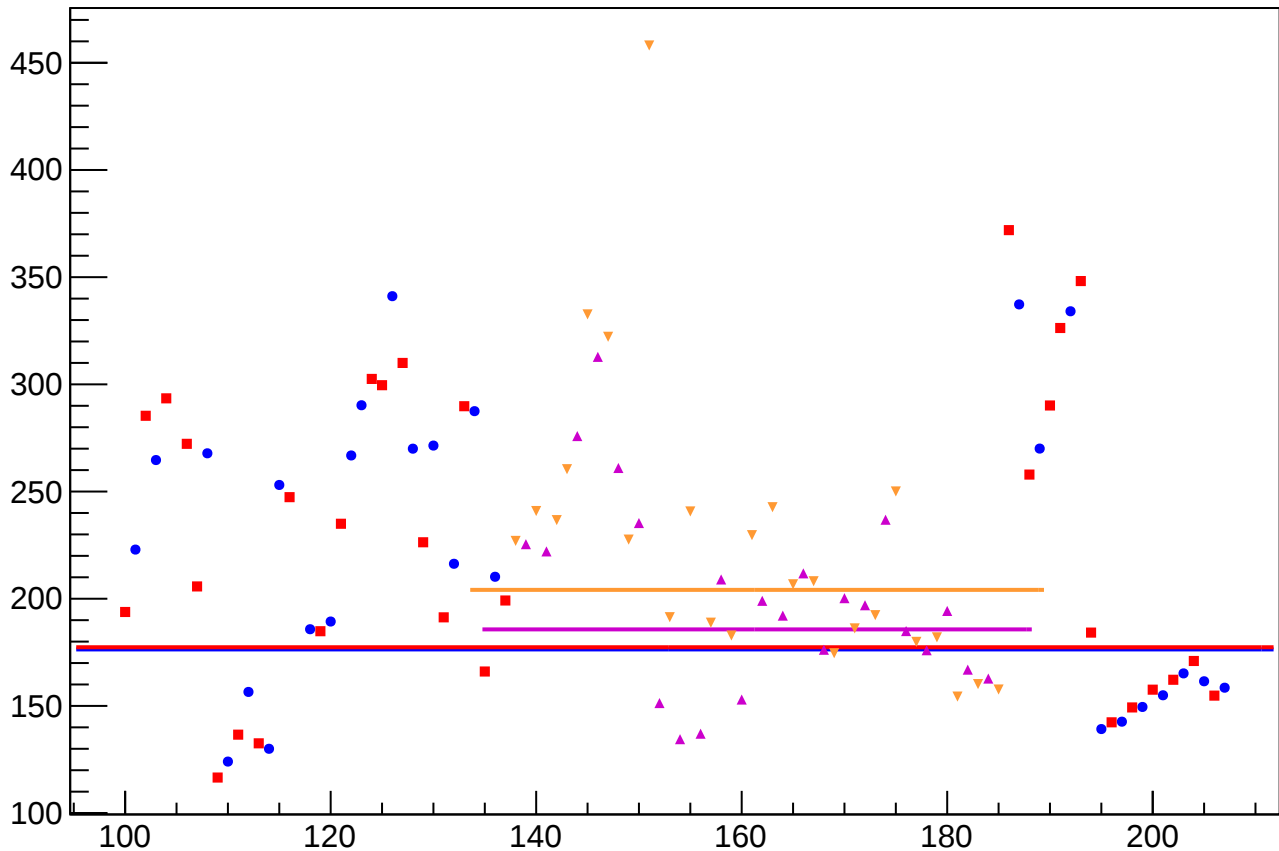
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign -23.392 ± 34.935 χ^2/NDF : 25.6/51

All: -16.147 ± 24.198 χ^2/NDF : 47.1/105

- sign -9.466 ± 33.548 χ^2/NDF : 21.4/53

asym_bcm_dg_us_rms vs Slug



Right In: 176.347 $\pm$ 0.035 χ^2 /NDF: 1990056.1/26

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 177.366 $\pm$ 0.034 χ^2 /NDF: 2545766.2/30

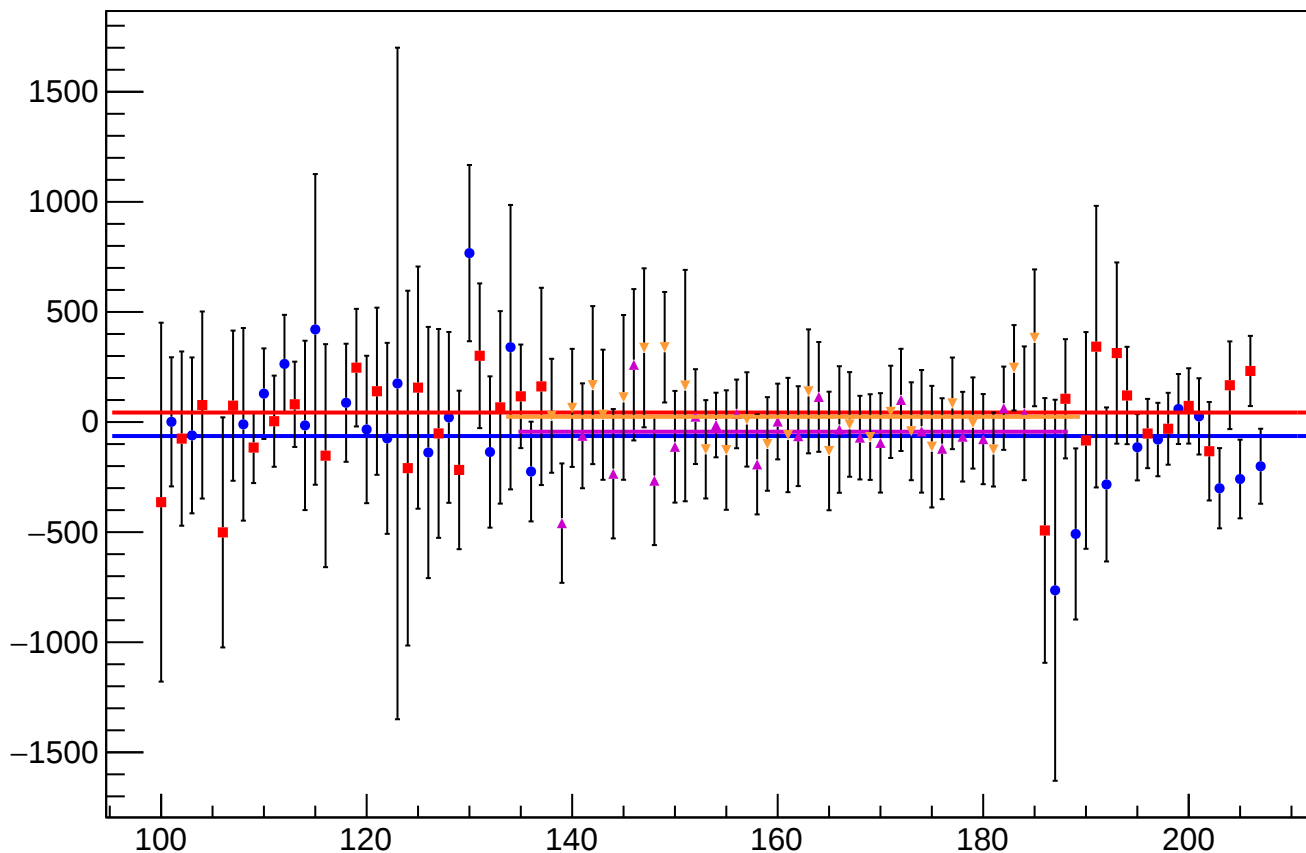
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 190.332 $\pm$ 0.025 χ^2 /NDF: 3978593.2/51

All: 185.844 $\pm$ 0.017 χ^2 /NDF: 8066335.8/105

- sign 181.705 $\pm$ 0.024 χ^2 /NDF: 4024287.4/53

asym_bcm_dg_ds_mean vs Slug



Right In: -63.567 ± 48.950 χ^2/NDF : 16.1/26

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 43.245 ± 47.698 χ^2/NDF : 9.5/30

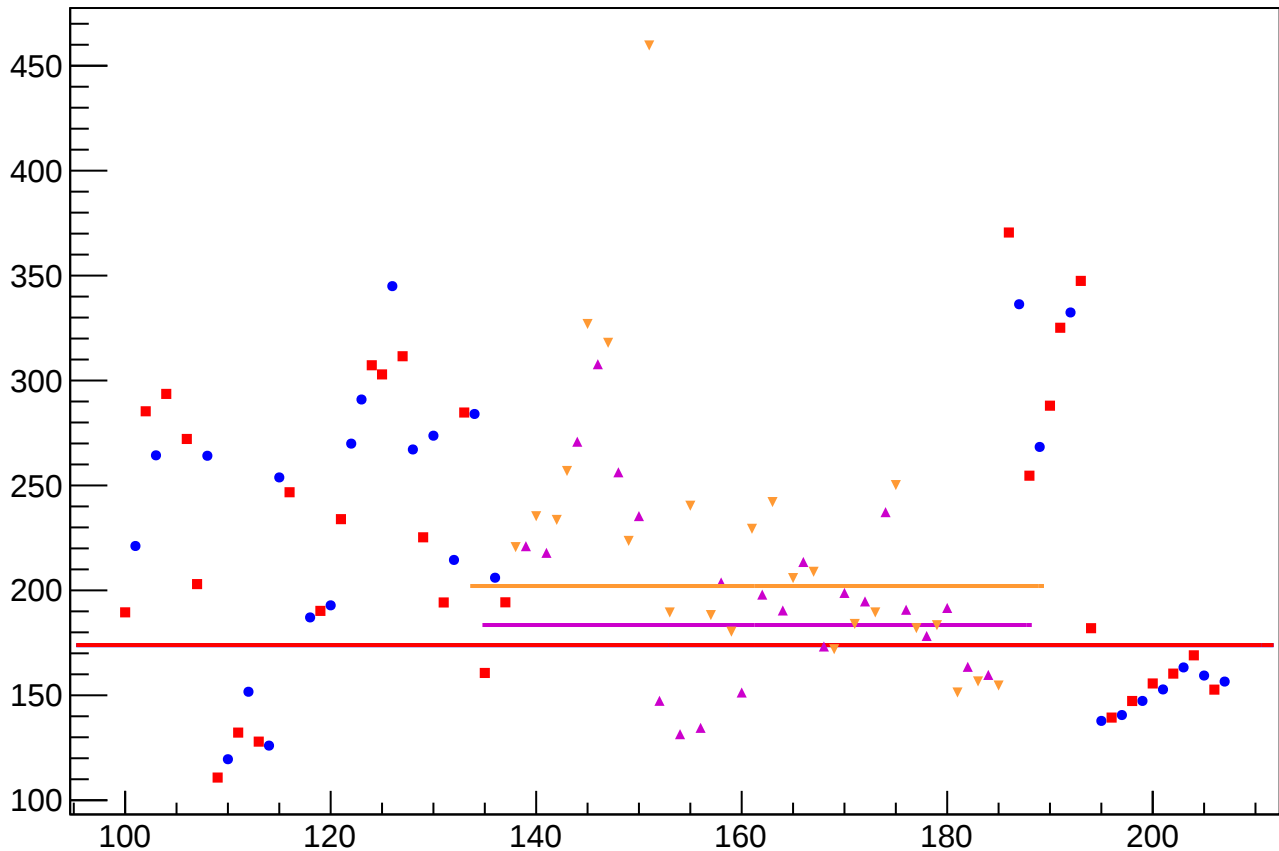
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -19.712 ± 34.554 χ^2/NDF : 26.2/51

All: -10.459 ± 23.904 χ^2/NDF : 44.1/105

- sign -1.965 ± 33.104 χ^2/NDF : 17.7/53

asym_bcm_dg_ds_rms vs Slug



Right In: 173.861 $\pm$ 0.035 χ^2 /NDF: 2071600.4/26

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 173.945 $\pm$ 0.034 χ^2 /NDF: 2708850.2/30

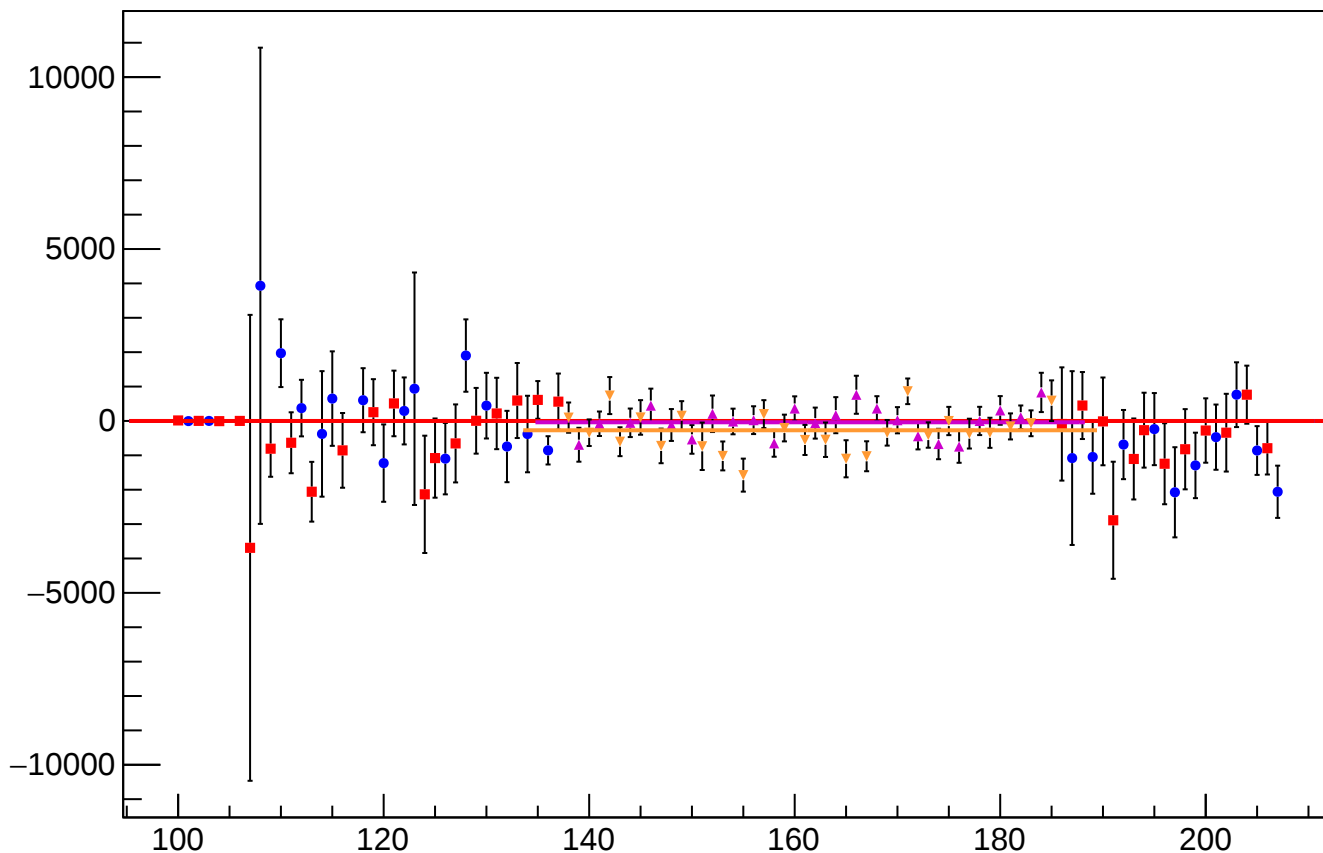
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 188.019 $\pm$ 0.024 χ^2 /NDF: 4097867.8/51

All: 183.263 $\pm$ 0.017 χ^2 /NDF: 8404369.5/105

- sign 178.897 $\pm$ 0.023 χ^2 /NDF: 4233814.7/53

asym_cav4bQ_mean vs Slug



Right In: -1.578 ± 2.251 χ^2/NDF : 33.1/26

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.743 ± 2.111 χ^2/NDF : 26.8/30

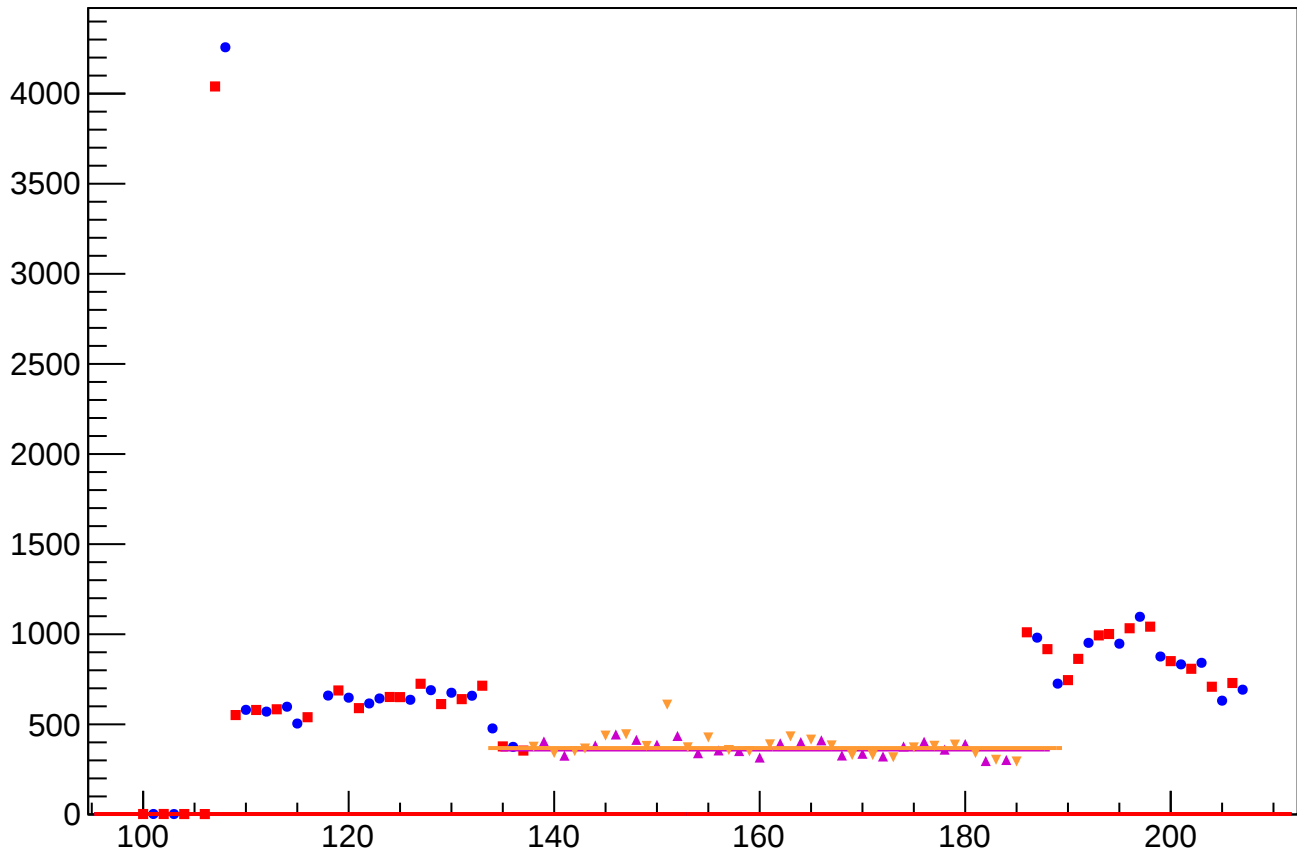
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.758 ± 2.251 χ^2/NDF : 80.8/51

All: -1.230 ± 1.539 χ^2/NDF : 128.2/105

- sign -0.766 ± 2.110 χ^2/NDF : 47.3/53

asym_cav4bQ_rms vs Slug



Right In: 2.499 ± 0.002 χ^2/NDF : 24851939.4/26

Left Out: 368.397 ± 0.061 χ^2/NDF : 622466.1/24

Right Out: 2.477 ± 0.001 χ^2/NDF : 26886741.7/30

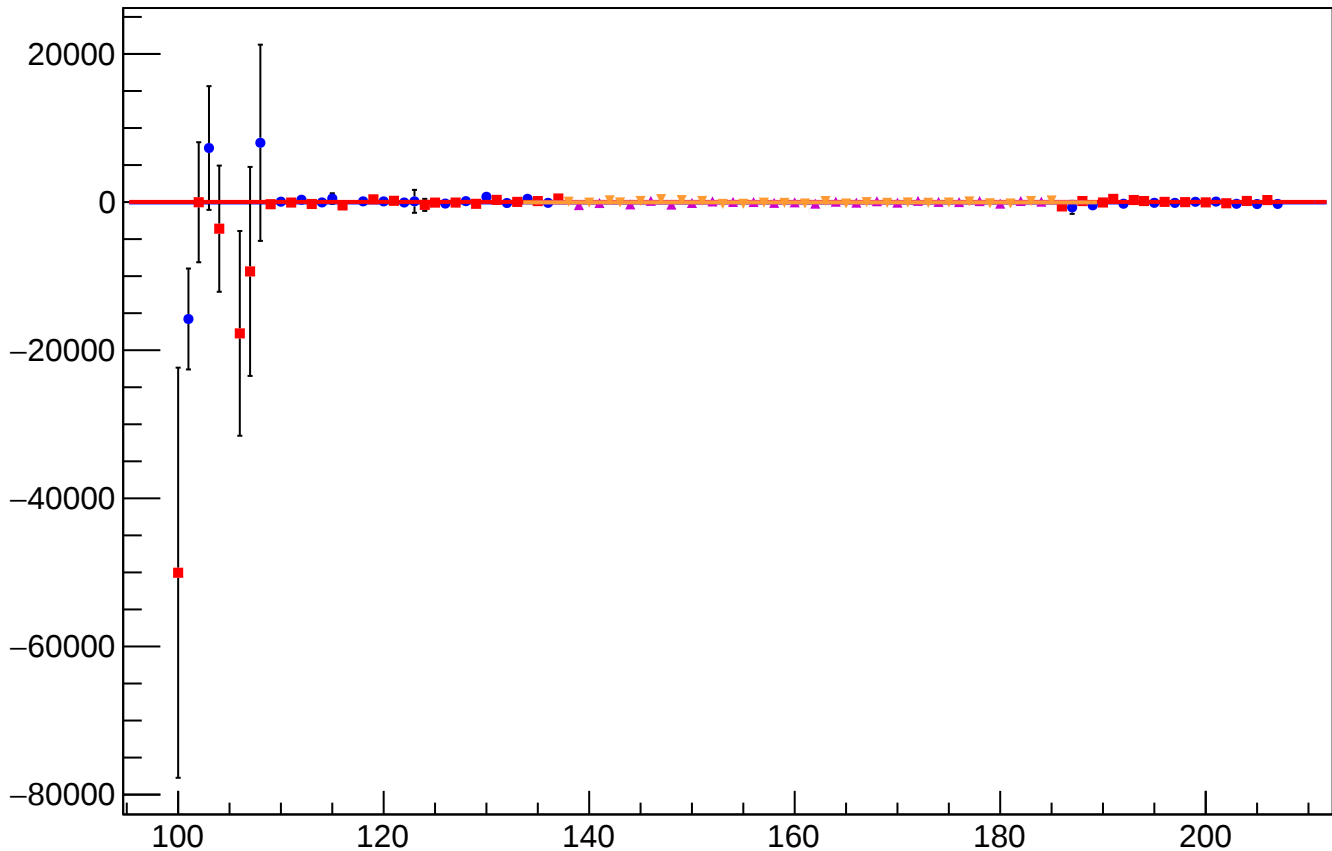
Left In: 360.408 ± 0.062 χ^2/NDF : 417739.4/22

+ sign 2.745 ± 0.002 χ^2/NDF : 60853432.8/51

All: 2.712 ± 0.001 χ^2/NDF : 121401071.1/105

- sign 2.684 ± 0.001 χ^2/NDF : 60546856.9/53

asym_cav4cQ_mean vs Slug



Right In: -50.003 ± 53.673 χ^2/NDF : 20.6/26

Left Out: -38.013 ± 49.628 χ^2/NDF : 9.3/24

Right Out: 24.755 ± 53.276 χ^2/NDF : 19.9/30

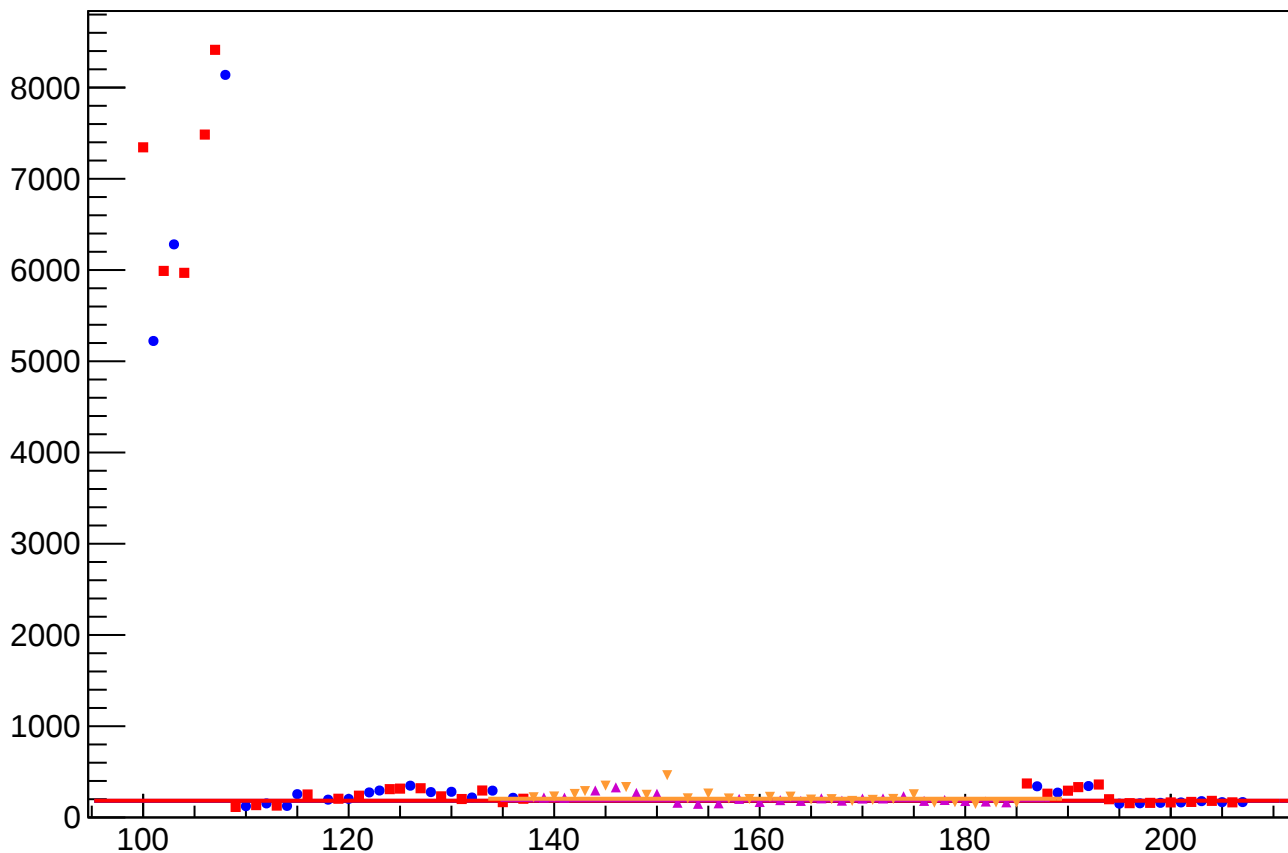
Left In: -28.205 ± 48.167 χ^2/NDF : 9.2/22

+ sign -43.539 ± 36.438 χ^2/NDF : 29.9/51

All: -23.578 ± 25.511 χ^2/NDF : 60.2/105

- sign -4.386 ± 35.729 χ^2/NDF : 29.7/53

asym_cav4cQ_rms vs Slug



Right In: 181.543 $\pm$ 0.038 χ^2 /NDF: 4507774.2/26

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 183.449 $\pm$ 0.038 χ^2 /NDF: 5354205.6/30

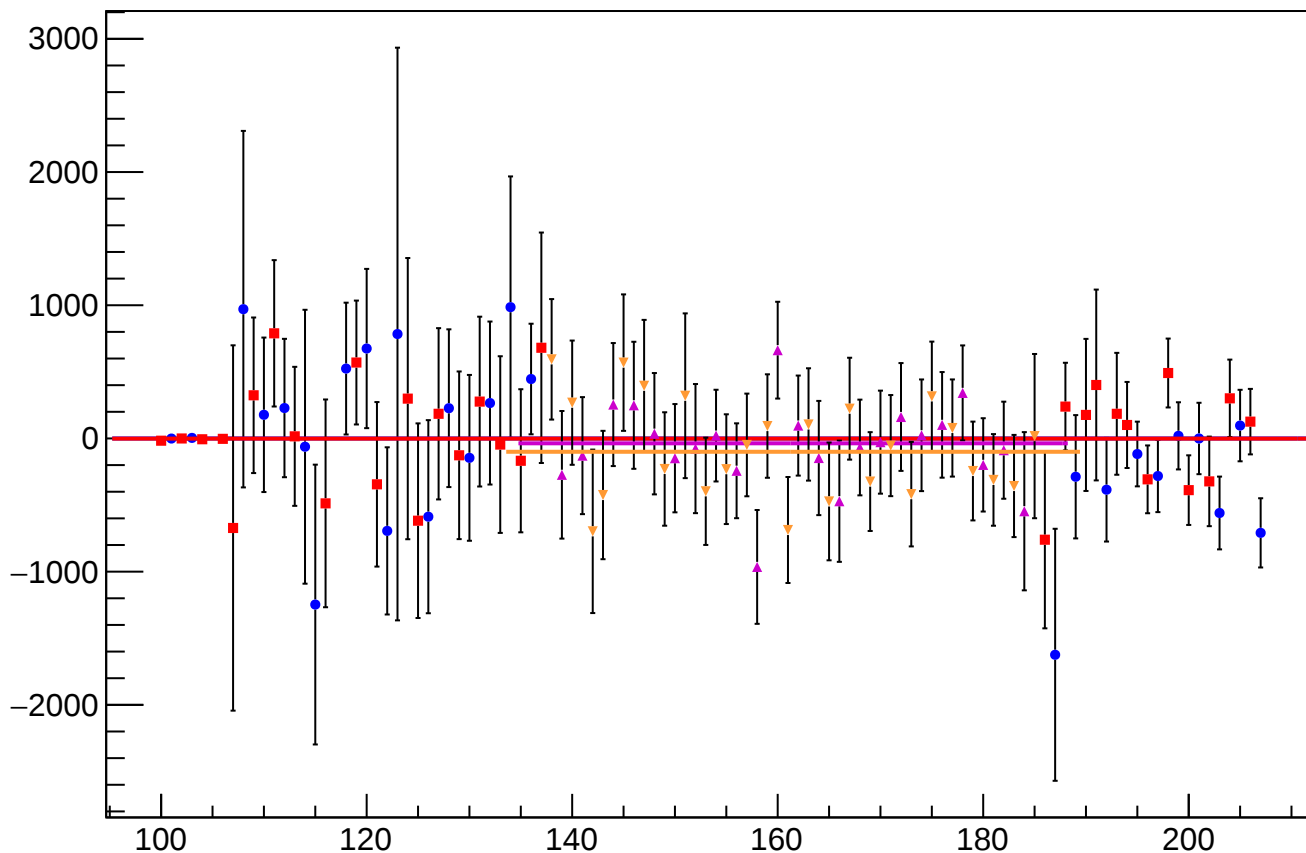
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 194.203 $\pm$ 0.026 χ^2 /NDF: 6670221.4/51

All: 191.513 $\pm$ 0.018 χ^2 /NDF: 13256402.3/10

- sign 188.927 $\pm$ 0.025 χ^2 /NDF: 6564803.2/53

asym_cav4dQ_mean vs Slug



Right In: -0.224 ± 1.736 χ^2/NDF : 27.4/26

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.313 ± 1.622 χ^2/NDF : 21.4/30

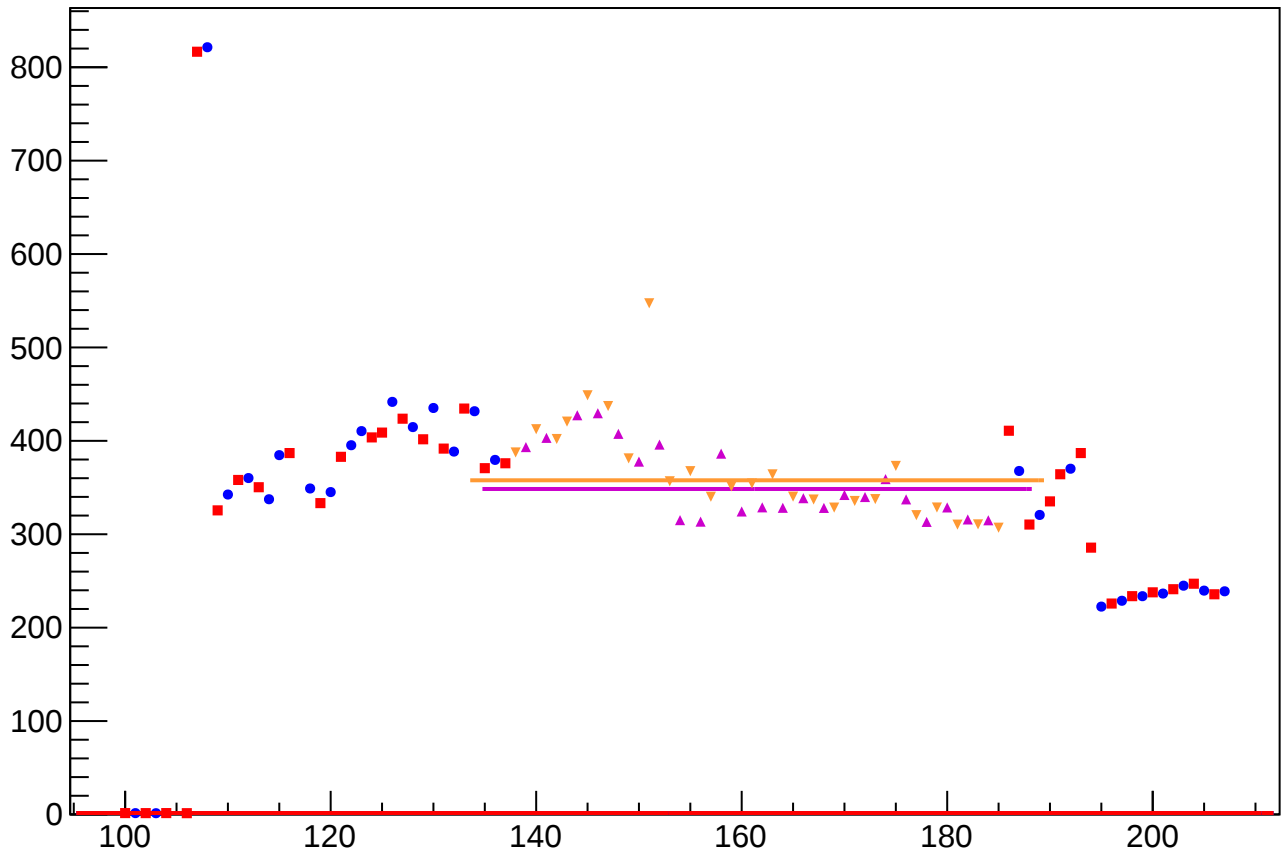
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.266 ± 1.736 χ^2/NDF : 44.5/51

All: -0.832 ± 1.185 χ^2/NDF : 79.9/105

- sign -1.326 ± 1.622 χ^2/NDF : 35.1/53

asym_cav4dQ_rms vs Slug



Right In: 1.538+/-0.001 χ^2/NDF : 25090831.3/26

Left Out: 357.771+/-0.060 χ^2/NDF : 547124.8/24

Right Out: 1.528+/-0.001 χ^2/NDF : 26582654.8/30

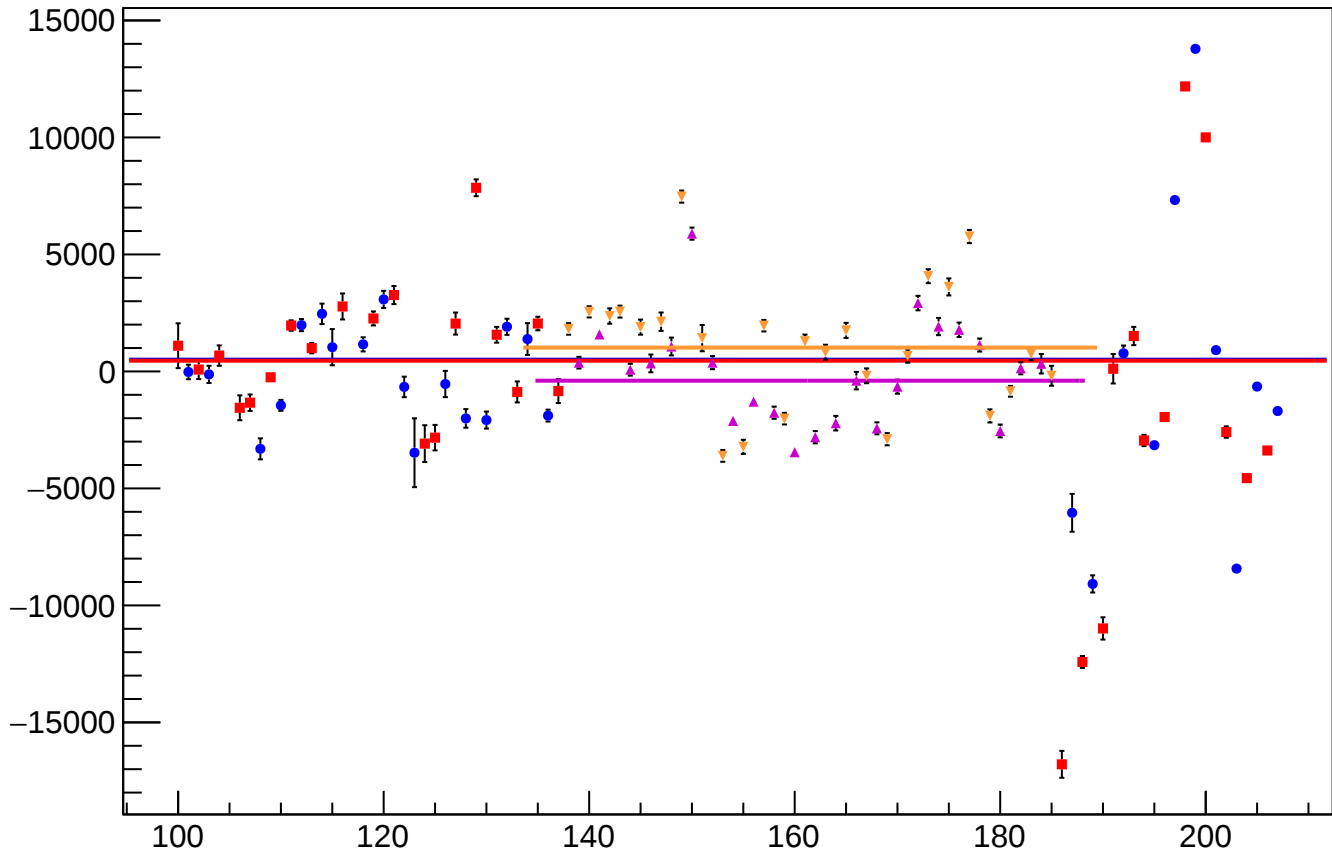
Left In: 348.464+/-0.060 χ^2/NDF : 360425.7/22

+ sign 1.689+/-0.001 χ^2/NDF : 61430814.3/51

All: 1.671+/-0.001 χ^2/NDF : 121936891.0/105

- sign 1.656+/-0.001 χ^2/NDF : 60505678.8/53

asym_bcm0l02_mean vs Slug



Right In: 502.809 $\pm$ 53.308 χ^2 /NDF: 10822.0/26

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF:2310.1/24

Right Out: 458.566 $\pm$ 51.552 χ^2 /NDF: 13211.0/30

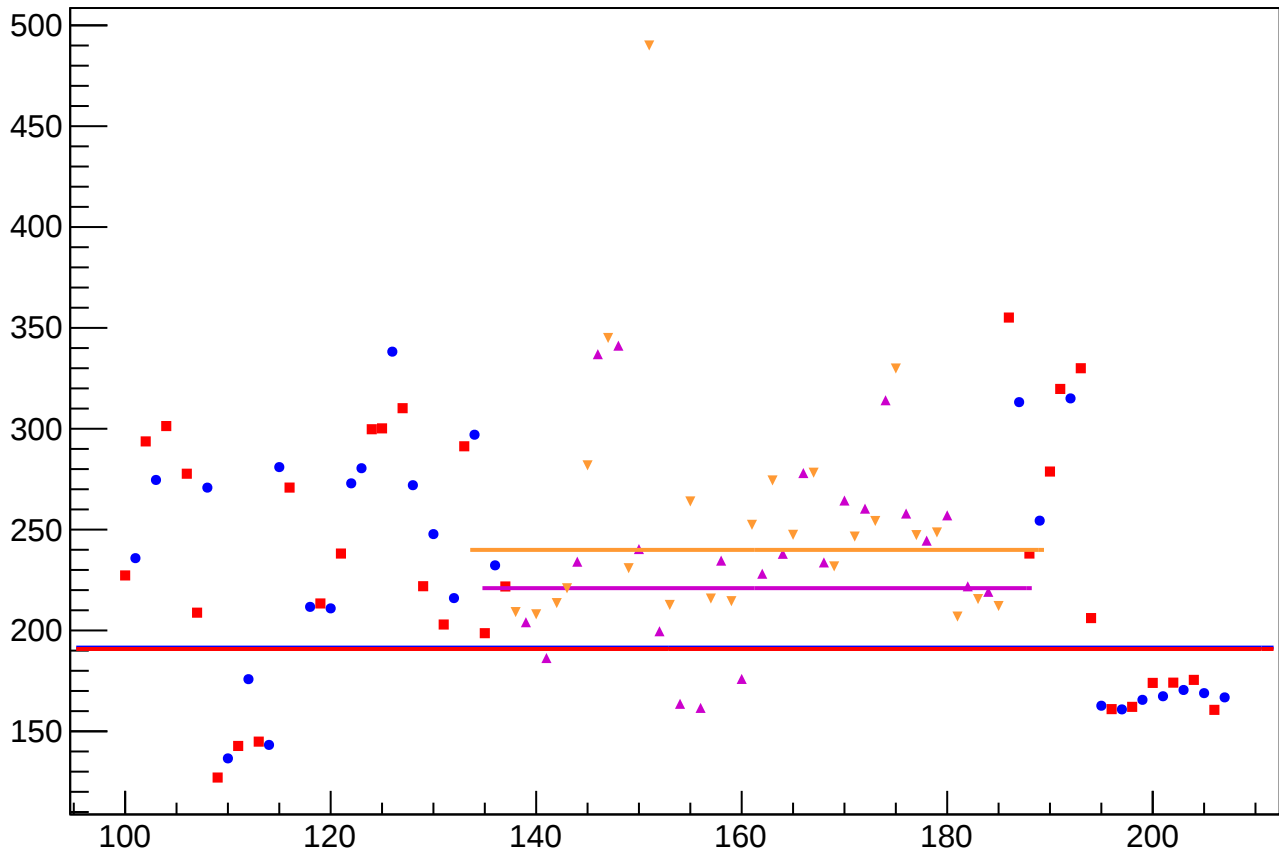
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF:1581.0/22

+ sign 741.824 $\pm$ 39.062 χ^2 /NDF: 13175.5/51

All: 387.941 $\pm$ 27.105 χ^2 /NDF: 28254.3/105

- sign 59.324 $\pm$ 37.641 χ^2 /NDF: 14920.5/53

asym_bcm0l02_rms vs Slug



Right In: 191.496 ± 0.038 χ^2/NDF : 1490505.0/26

Left Out: 239.942 ± 0.041 χ^2/NDF : 1000770.0/24

Right Out: 190.816 ± 0.036 χ^2/NDF : 2050339.7/30

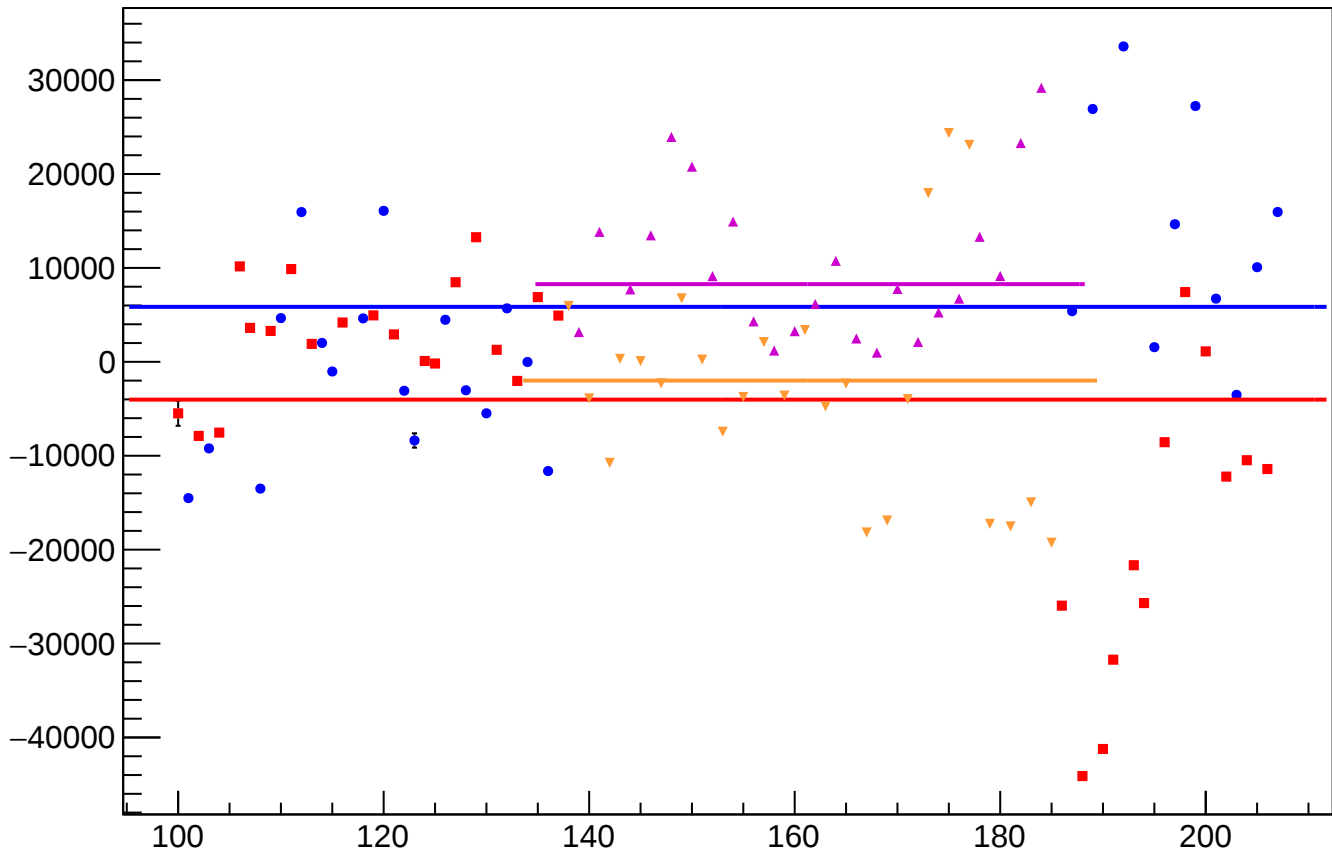
Left In: 220.972 ± 0.039 χ^2/NDF : 1327680.6/22

+ sign 213.930 ± 0.028 χ^2/NDF : 3256189.9/51

All: 209.245 ± 0.019 χ^2/NDF : 7009183.1/105

- sign 204.894 ± 0.027 χ^2/NDF : 3697510.3/53

asym_bpm0i02WS_mean vs Slug



Right In: 5855.175 ± 42.640 $\chi^2/\text{NDF}: 89176.6/26$

Left Out: -1991.788 ± 42.427 $\chi^2/\text{NDF}: 63766.6/24$

+ sign 1911.998 ± 30.075 $\chi^2/\text{NDF}: 169961.1/51$

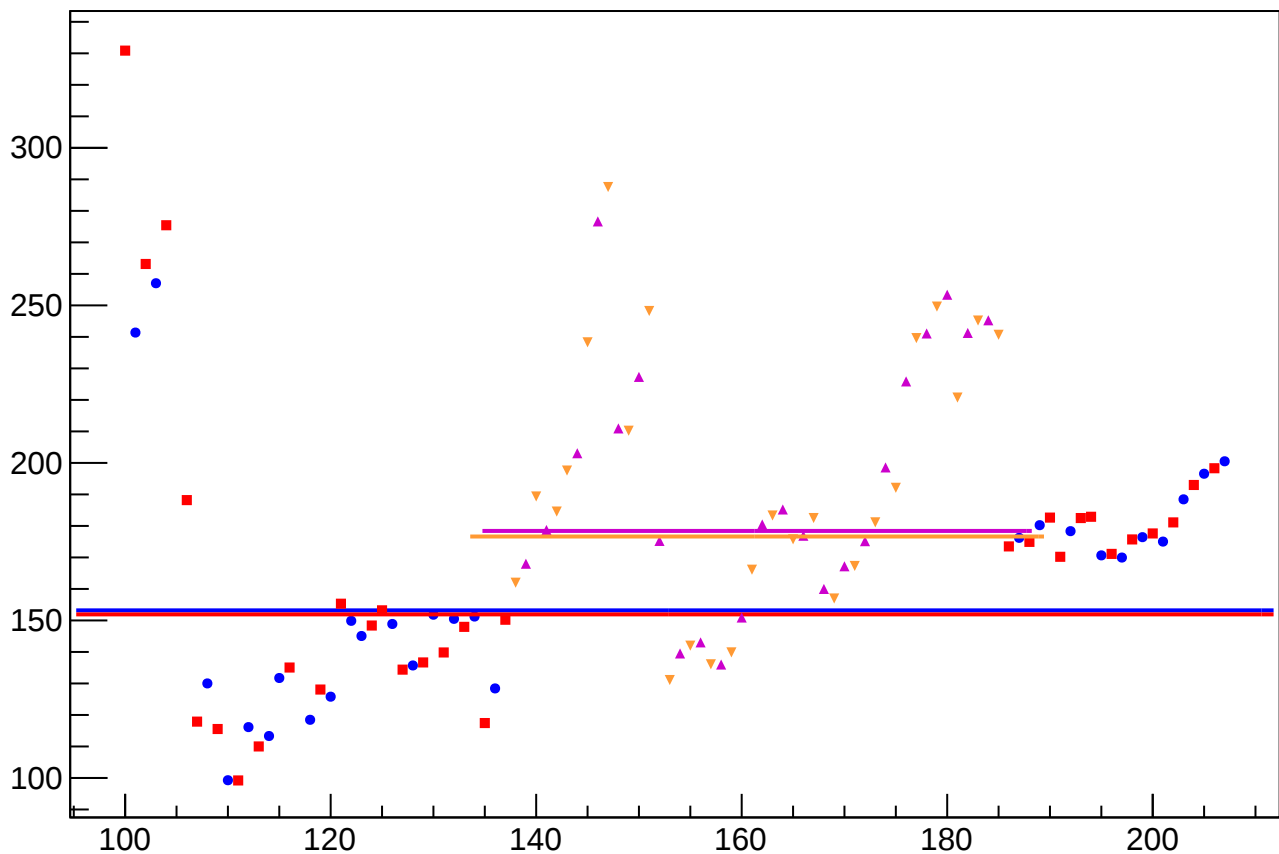
Right Out: -4023.041 ± 40.528 $\chi^2/\text{NDF}: 134262.5/30$

All: 1744.635 ± 21.205 $\chi^2/\text{NDF}: 369095.6/10$

- sign 1579.190 ± 29.903 $\chi^2/\text{NDF}: 199073.0/53$

Left In: 8273.228 ± 44.301 $\chi^2/\text{NDF}: 22870.2/22$

asym_bpm0i02WS_rms vs Slug



Right In: 153.201+/-0.030 χ^2/NDF : 1250066.0/26

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 151.924+/-0.029 χ^2/NDF : 1530358.7/30

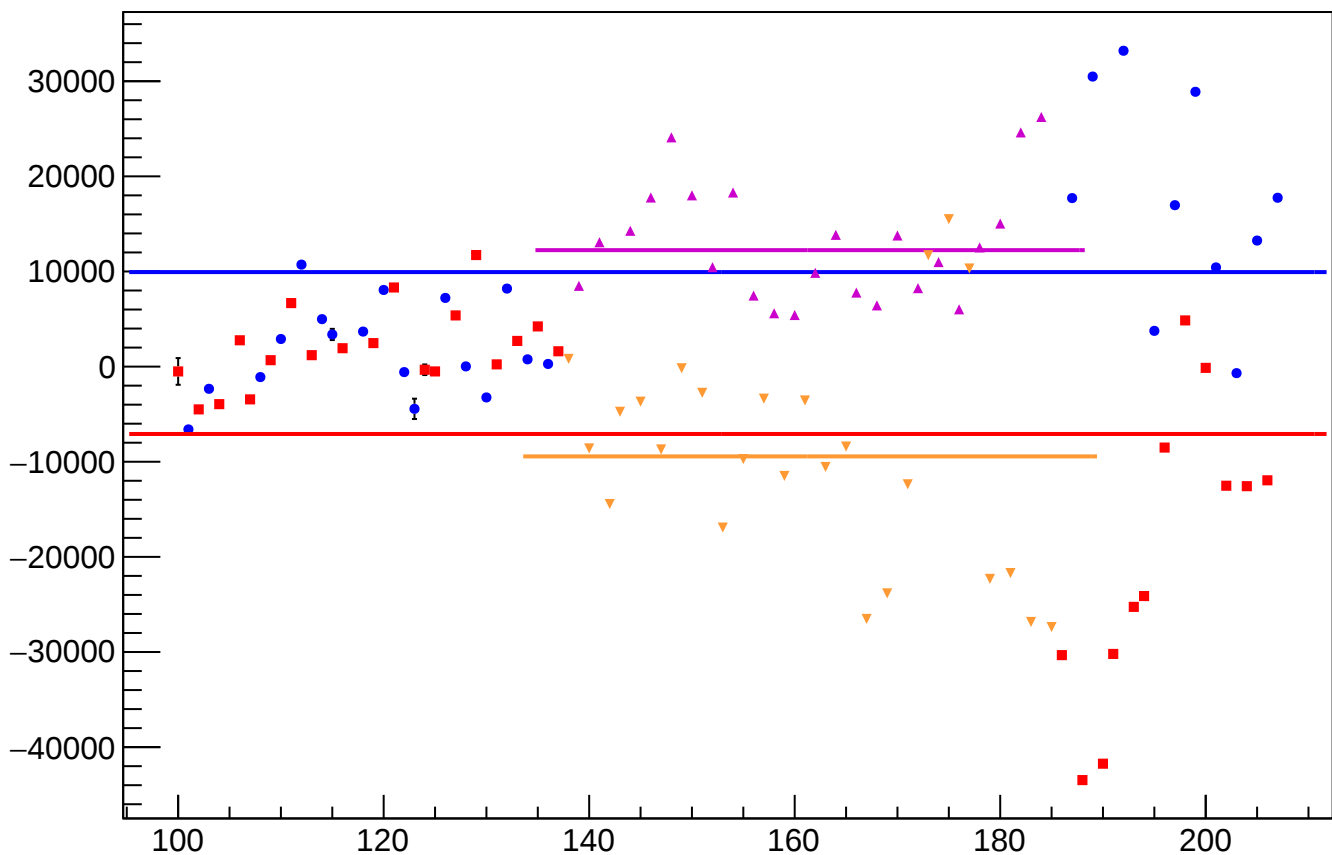
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 164.980+/-0.021 χ^2/NDF : 3104819.6/51

All: 164.483+/-0.015 χ^2/NDF : 6319256.8/105

- sign 163.993+/-0.021 χ^2/NDF : 3213354.8/53

asym_bpm0i02aWS_mean vs Slug



Right In: 9935.457 $\pm$ 48.147 χ^2 /NDF: 50419.6/26

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF:62220.4/24

Right Out: -7081.240 $\pm$ 45.710 χ^2 /NDF: 103613.1/30

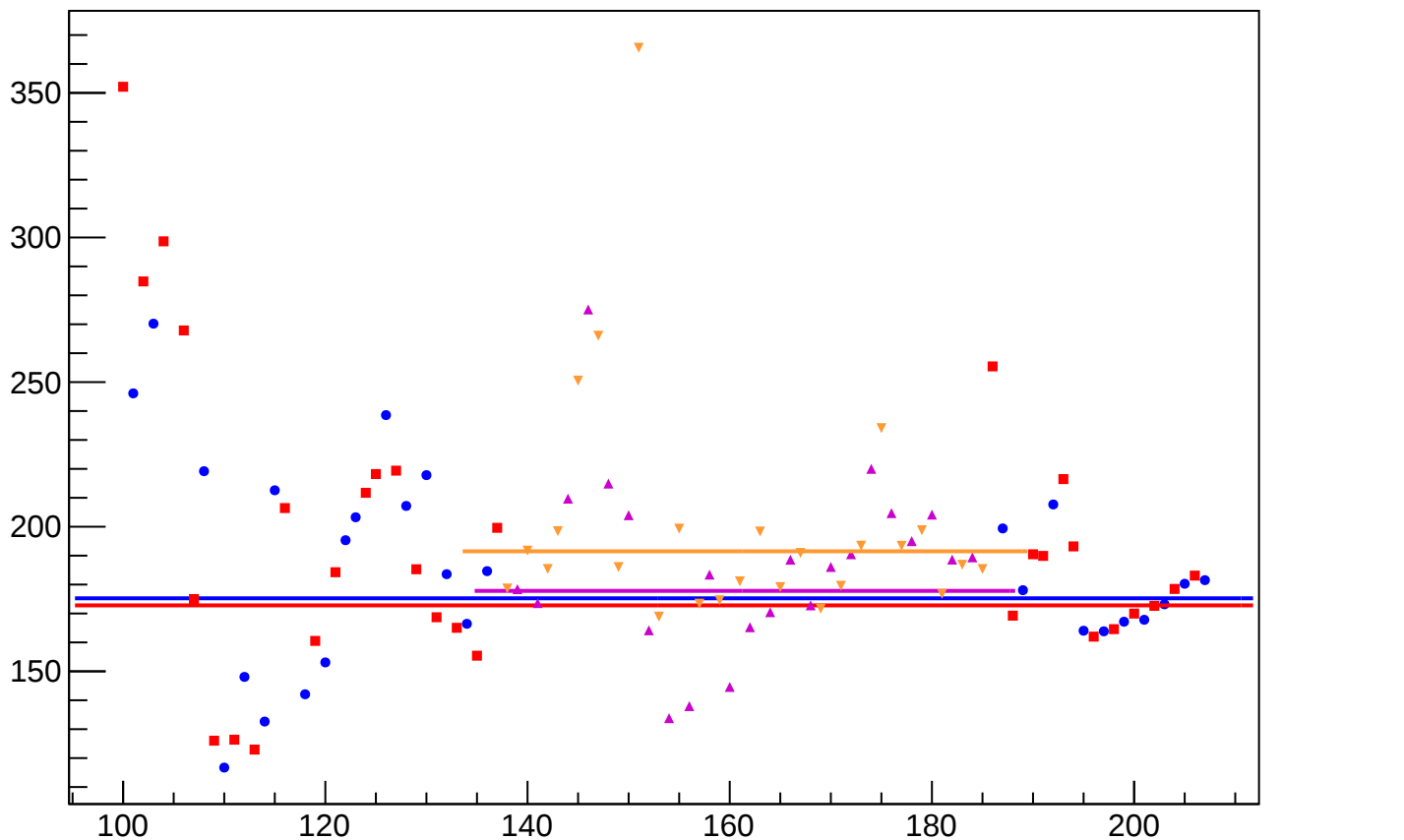
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF:16615.8/22

+ sign -290.747 $\pm$ 33.083 χ^2 /NDF: 198103.0/51

All: 1405.541 $\pm$ 22.881 χ^2 /NDF: 416243.5/10

- sign 2960.983 $\pm$ 31.679 χ^2 /NDF: 213100.7/53

asym_bpm0i02aWS_rms vs Slug



Right In: 175.250+/-0.034 χ^2/NDF : 761824.9/26

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 172.808+/-0.032 χ^2/NDF : 1131650.6/30

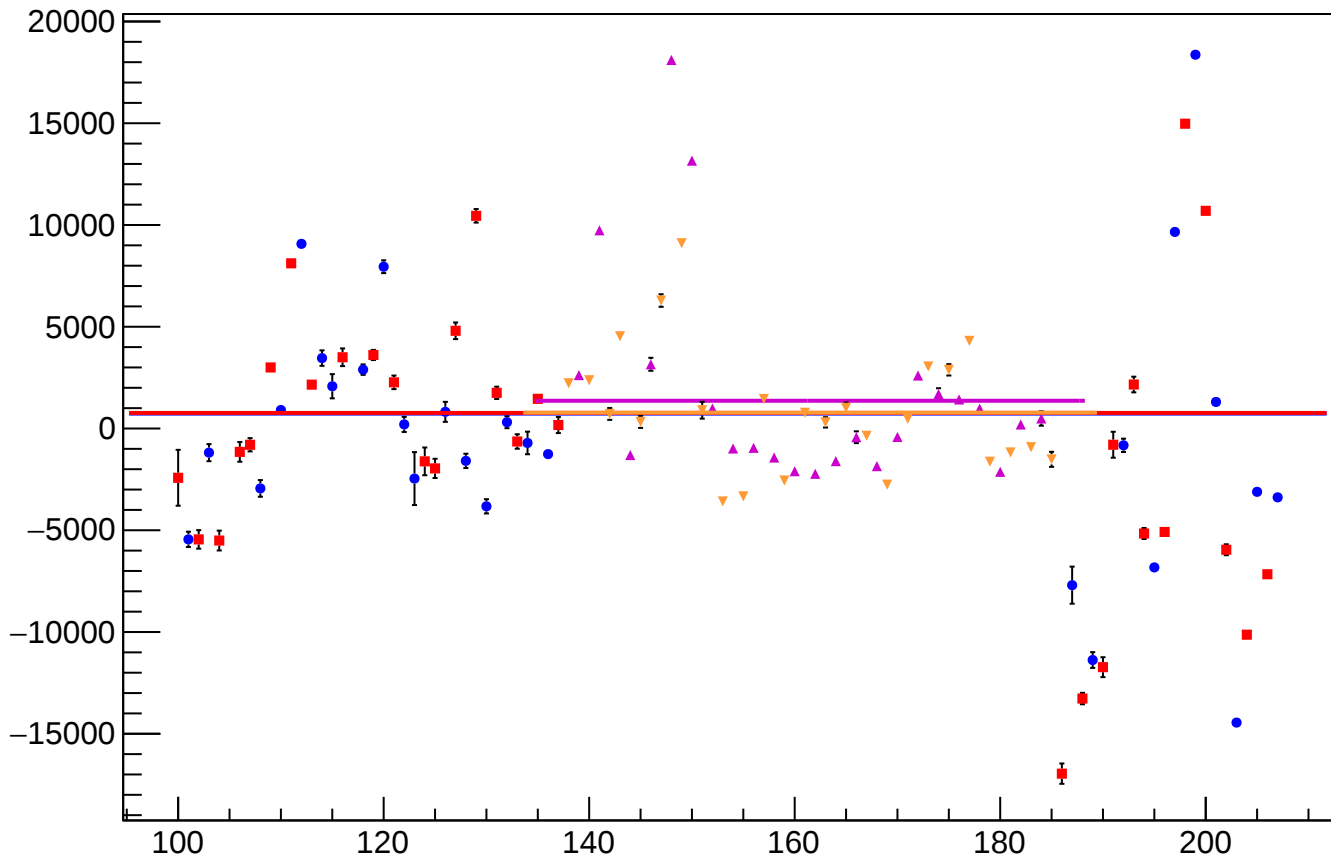
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 183.832+/-0.023 χ^2/NDF : 1609432.1/51

All: 179.440+/-0.016 χ^2/NDF : 3683636.4/105

- sign 175.413+/-0.022 χ^2/NDF : 2006649.4/53

asym_bpm0i05WS_mean vs Slug



Right In: 734.473 $\pm$ 54.145 χ^2 /NDF: 20337.9/26

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: 765.096 $\pm$ 51.727 χ^2 /NDF: 20346.1/30

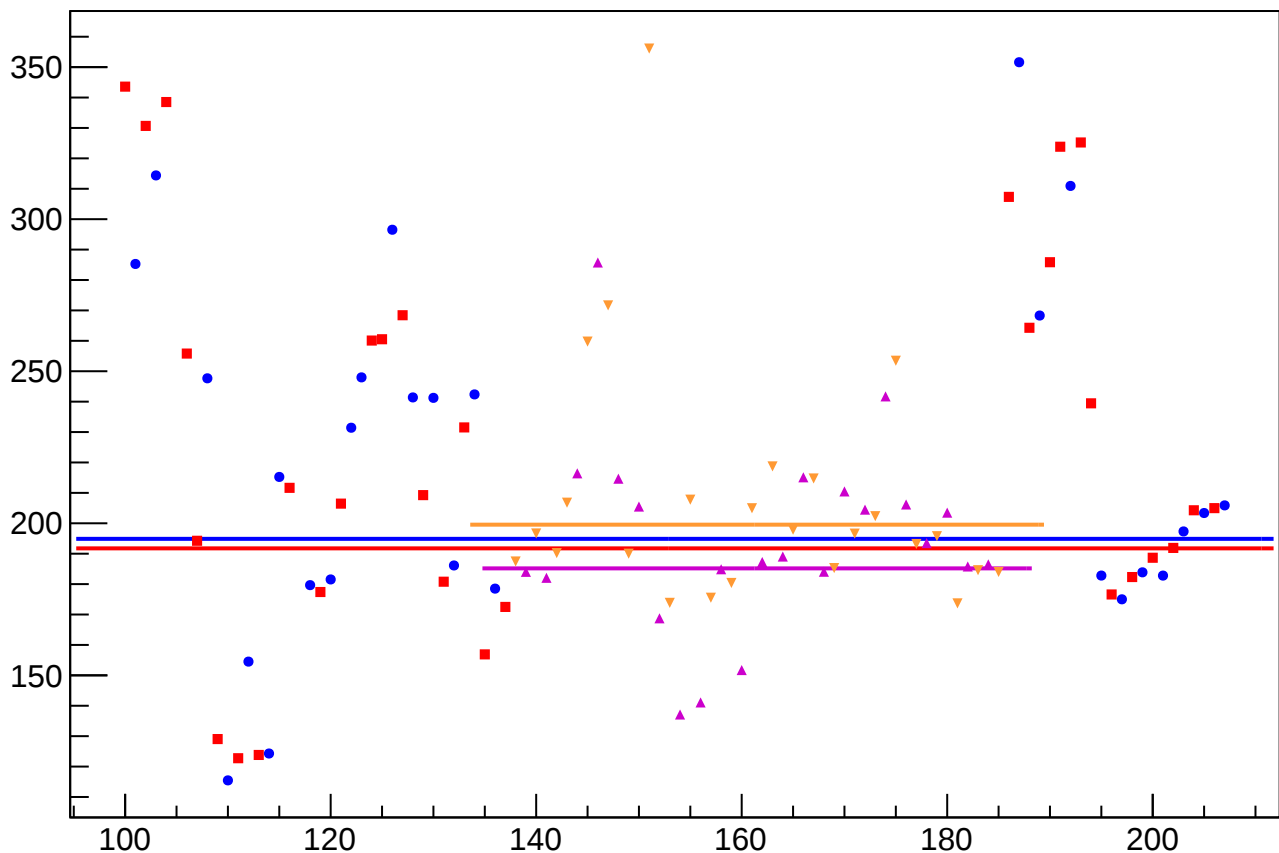
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 760.211 $\pm$ 35.689 χ^2 /NDF: 24599.0/51

All: 937.002 $\pm$ 24.728 χ^2 /NDF: 56700.1/105

- sign 1100.234 $\pm$ 34.293 χ^2 /NDF: 32053.8/53

asym_bpm0i05WS_rms vs Slug



Right In: 194.885 ± 0.038 χ^2/NDF : 1415381.8/26

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 191.752 ± 0.037 χ^2/NDF : 2142233.6/30

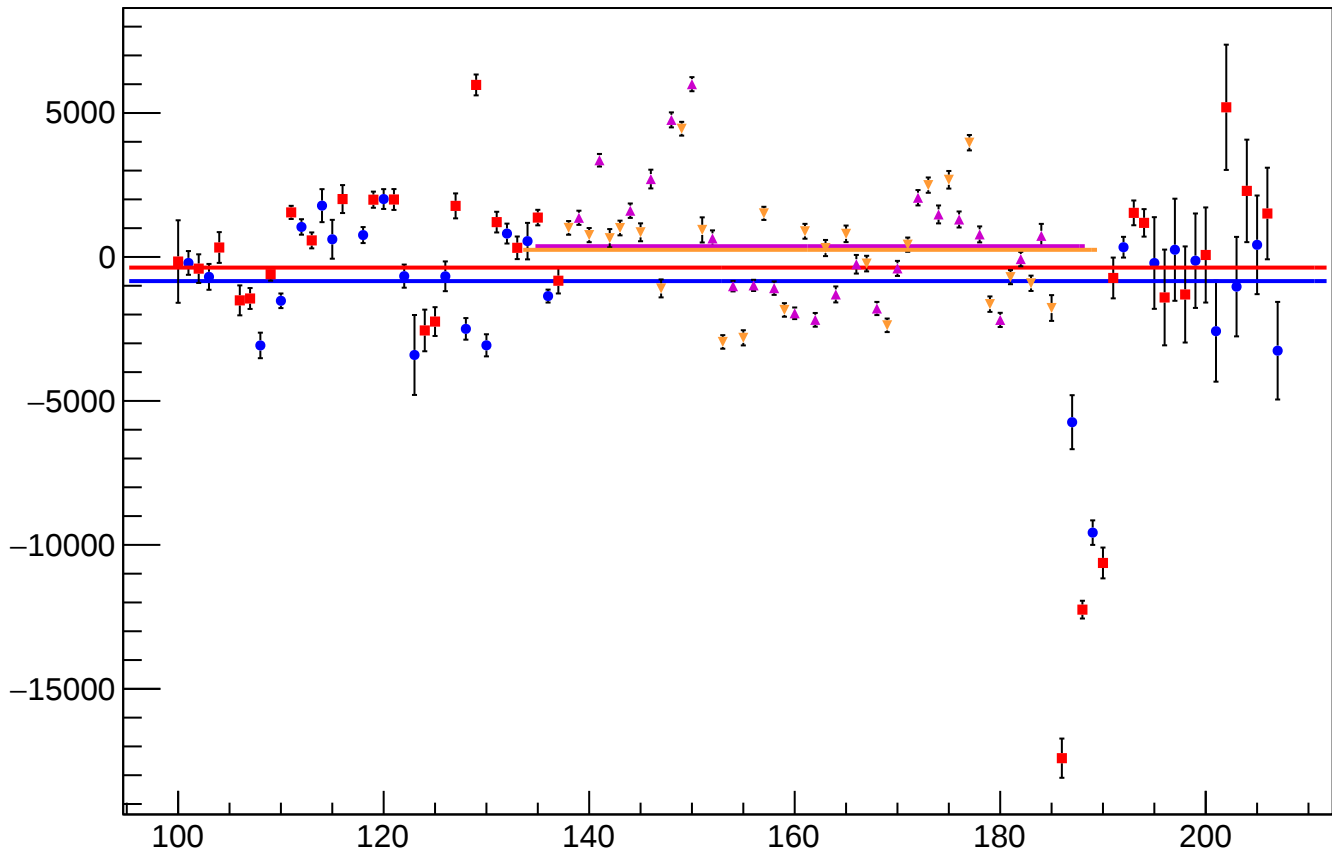
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 197.521 ± 0.025 χ^2/NDF : 2153122.2/51

All: 192.604 ± 0.017 χ^2/NDF : 5269289.0/105

- sign 188.063 ± 0.024 χ^2/NDF : 3043134.3/53

asym_bpm0i07WS_mean vs Slug



Right In: -838.236 ± 83.440 χ^2/NDF : 763.7/26

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -368.996 ± 74.990 χ^2/NDF : 3172.8/30

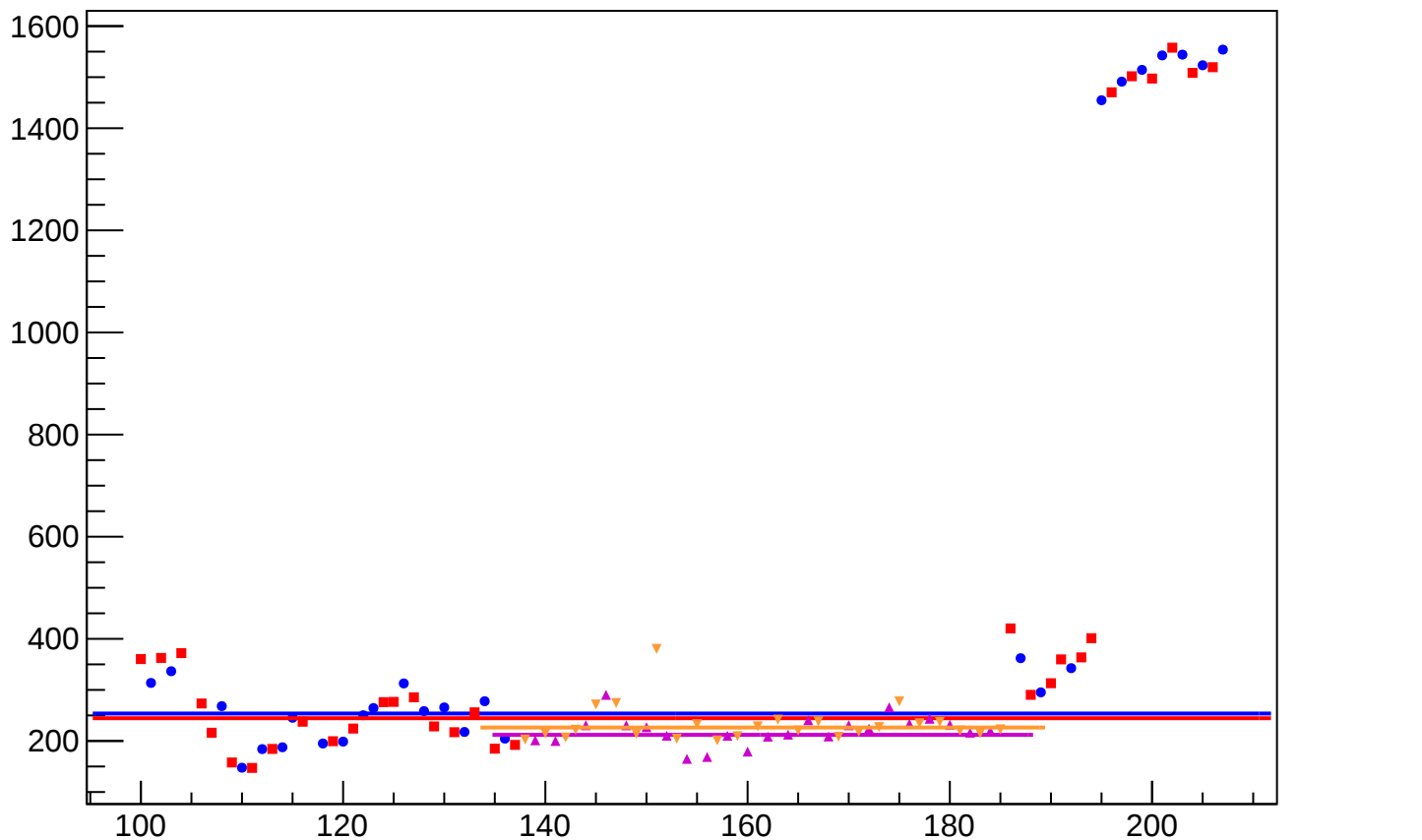
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -69.033 ± 45.070 χ^2/NDF : 2238.8/51

All: 37.043 ± 31.020 χ^2/NDF : 7289.4/105

- sign 132.517 ± 42.759 χ^2/NDF : 5040.1/53

asym_bpm0i07WS_rms vs Slug



Right In: 253.726 $\pm$ 0.059 χ^2 /NDF: 8842640.0/26

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 244.547 $\pm$ 0.053 χ^2 /NDF: 8269831.4/30

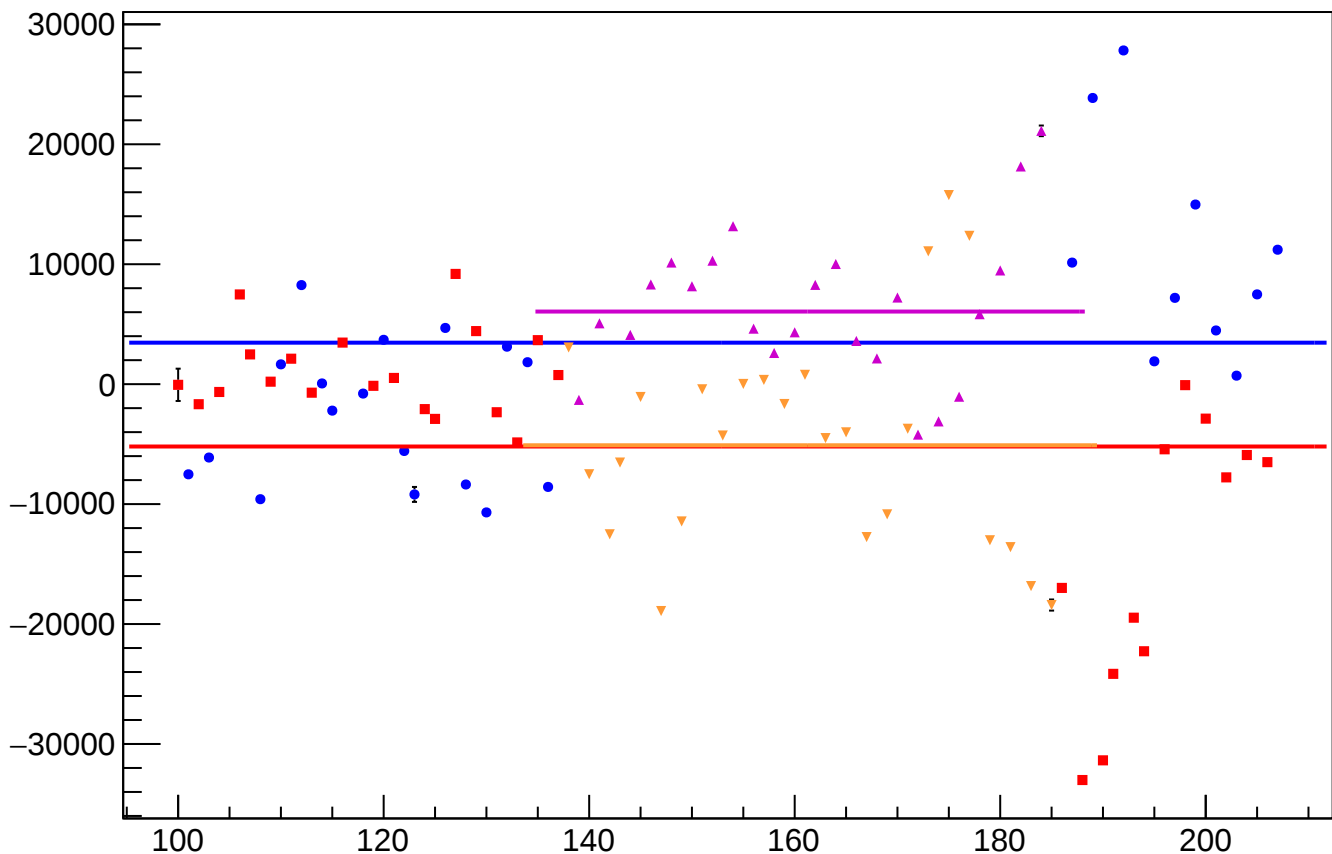
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 234.317 $\pm$ 0.032 χ^2 /NDF: 9516476.9/51

All: 228.130 $\pm$ 0.022 χ^2 /NDF: 18696985.5/10

- sign 222.562 $\pm$ 0.030 χ^2 /NDF: 9108895.3/53

asym_bpm1i02WS_mean vs Slug



Right In: 3458.637 $\pm$ 36.240 χ^2 /NDF: 75753.4/26

Left Out: -5095.305 $\pm$ 33.703 χ^2 /NDF: 54395.4/24

Right Out: -5198.497 $\pm$ 34.151 χ^2 /NDF: 101070.7/30

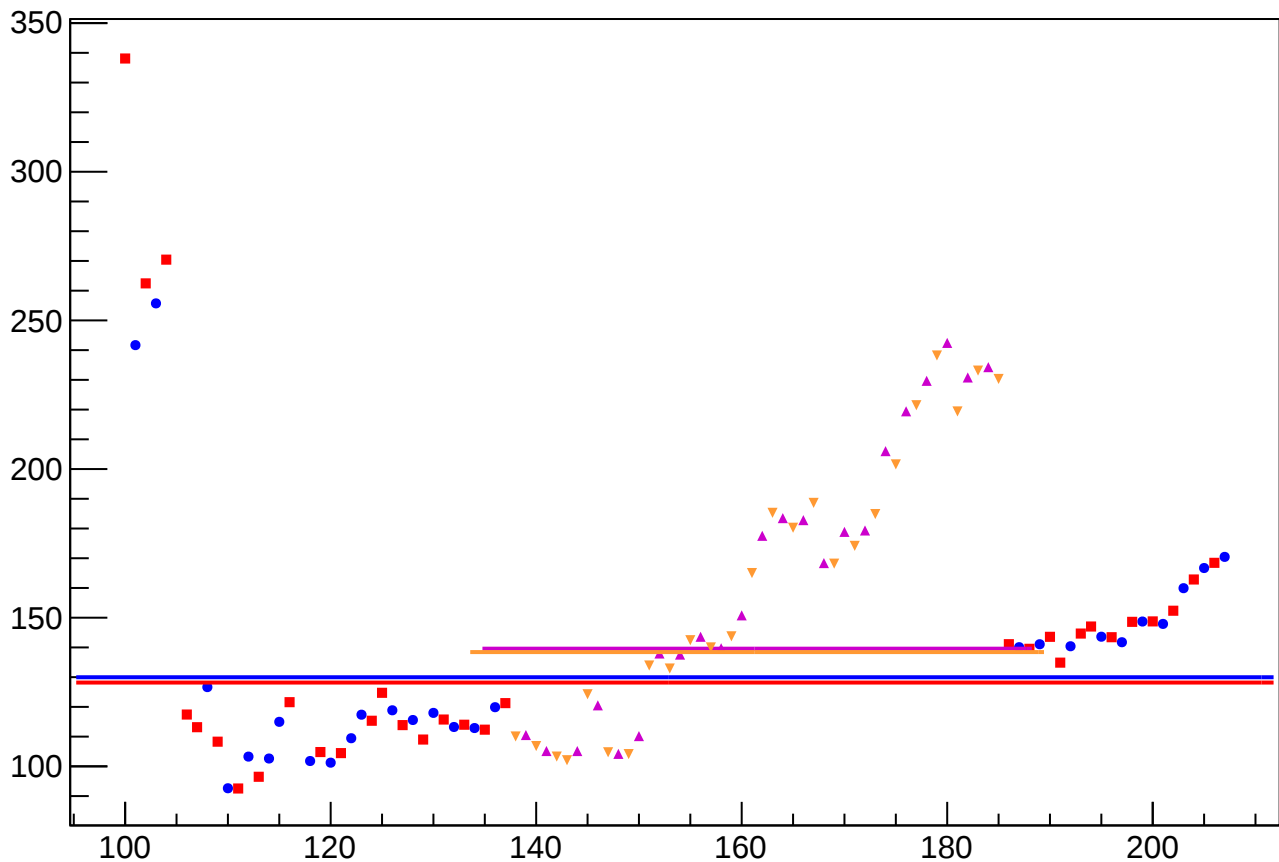
Left In: 6053.569 $\pm$ 34.998 χ^2 /NDF: 17590.3/22

+ sign -1128.144 $\pm$ 24.680 χ^2 /NDF: 160023.0/51

All: -412.326 $\pm$ 17.367 χ^2 /NDF: 333298.8/10

- sign 289.783 $\pm$ 24.443 χ^2 /NDF: 171609.4/53

asym_bpm1i02WS_rms vs Slug



Right In: 129.969+/-0.026 χ^2/NDF : 1244211.1/26

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 128.185+/-0.024 χ^2/NDF : 1360974.7/30

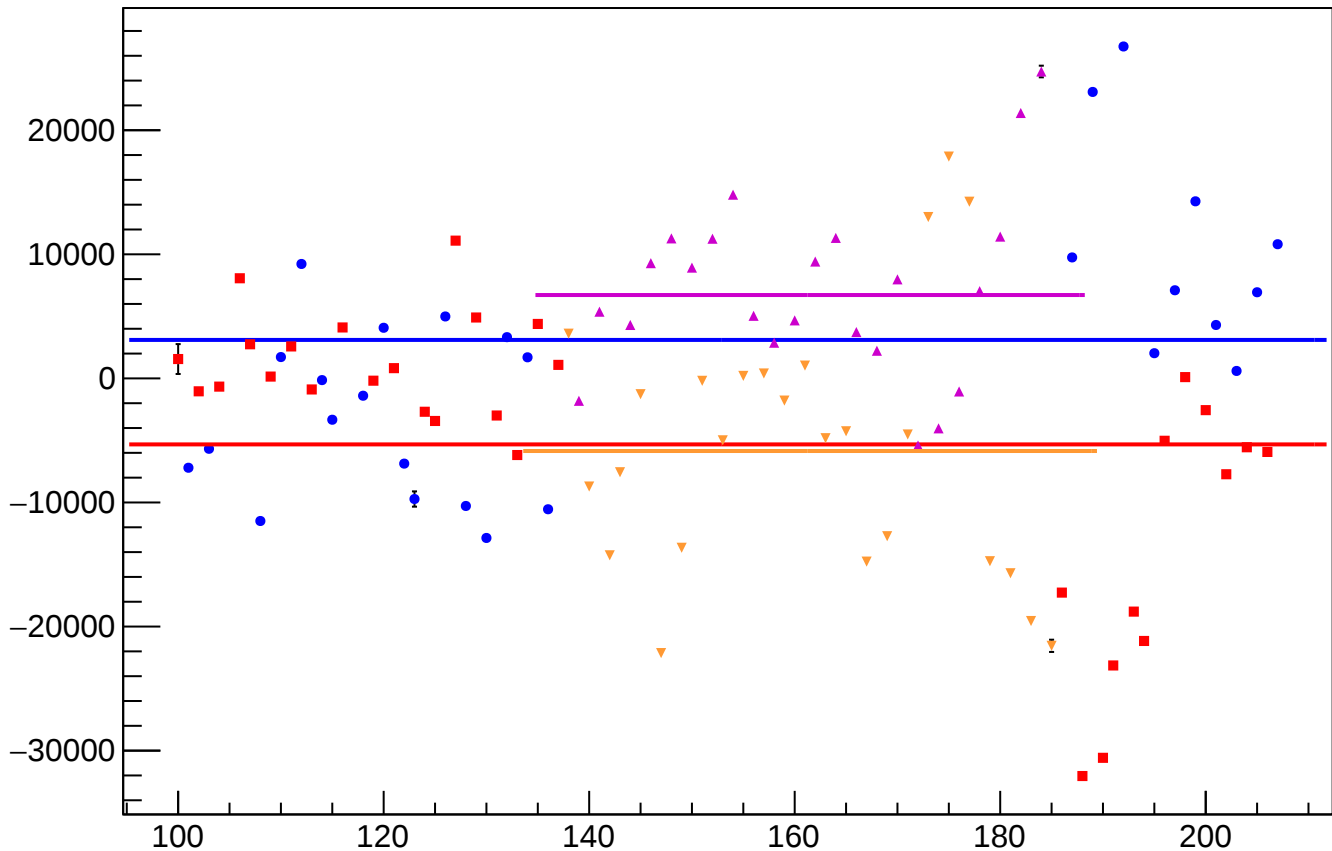
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 134.509+/-0.017 χ^2/NDF : 3852183.2/51

All: 134.122+/-0.012 χ^2/NDF : 7736350.2/105

- sign 133.742+/-0.017 χ^2/NDF : 3883191.9/53

asym_bpm2i01WS_mean vs Slug



Right In: 3100.149 $\pm$ 36.346 χ^2/NDF : 80925.6/26

Left Out: -5852.544 $\pm$ 35.880 χ^2/NDF : 63411.4/24

Right Out: -5319.756 $\pm$ 34.400 χ^2/NDF : 101535.1/30

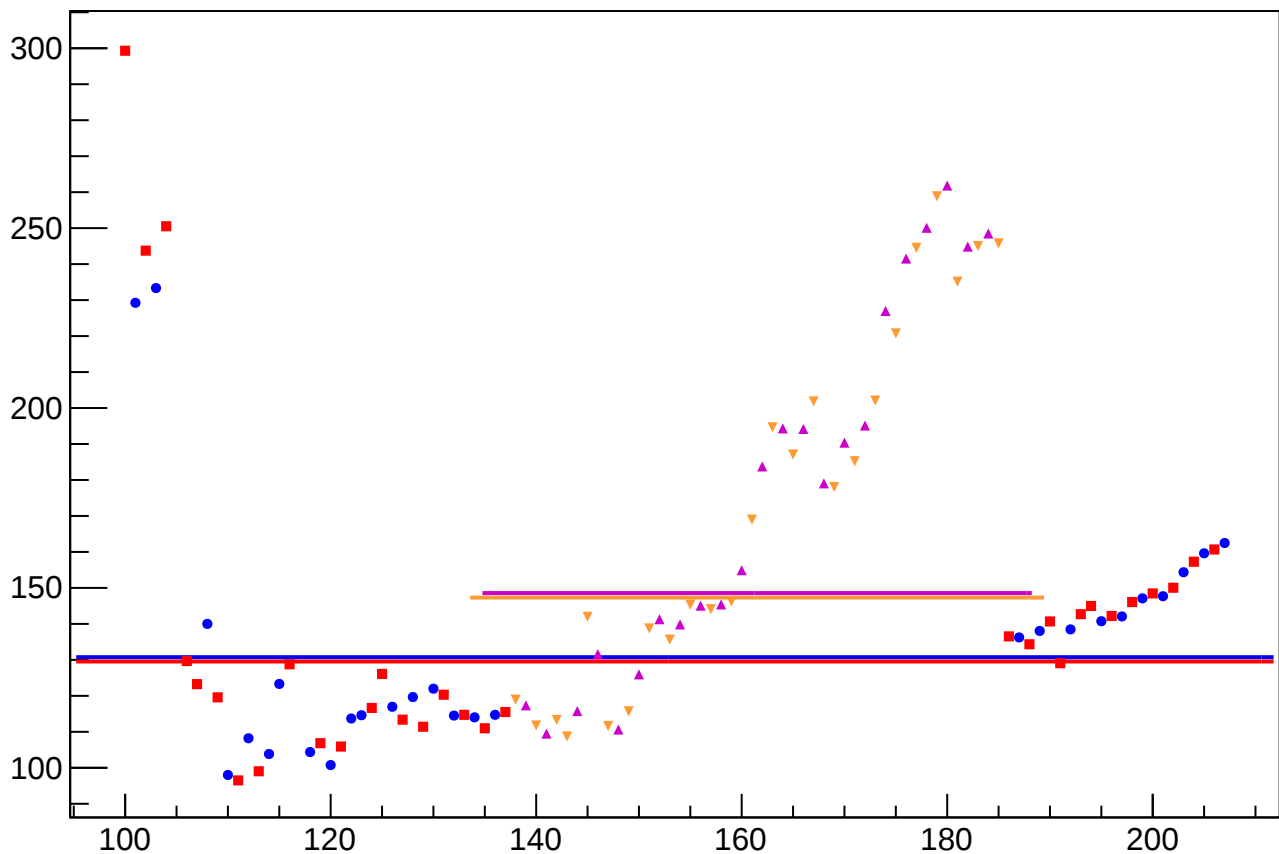
Left In: 6718.475 $\pm$ 37.276 χ^2/NDF : 20934.3/22

+ sign -1433.994 $\pm$ 25.534 χ^2/NDF : 175065.1/51

All: -600.169 $\pm$ 17.965 χ^2/NDF : 355973.0/10

- sign 217.141 $\pm$ 25.280 χ^2/NDF : 178796.3/53

asym_bpm2i01WS_rms vs Slug



Right In: 130.746+/-0.026 χ^2/NDF : 993028.3/26

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 129.550+/-0.024 χ^2/NDF : 1070054.2/30

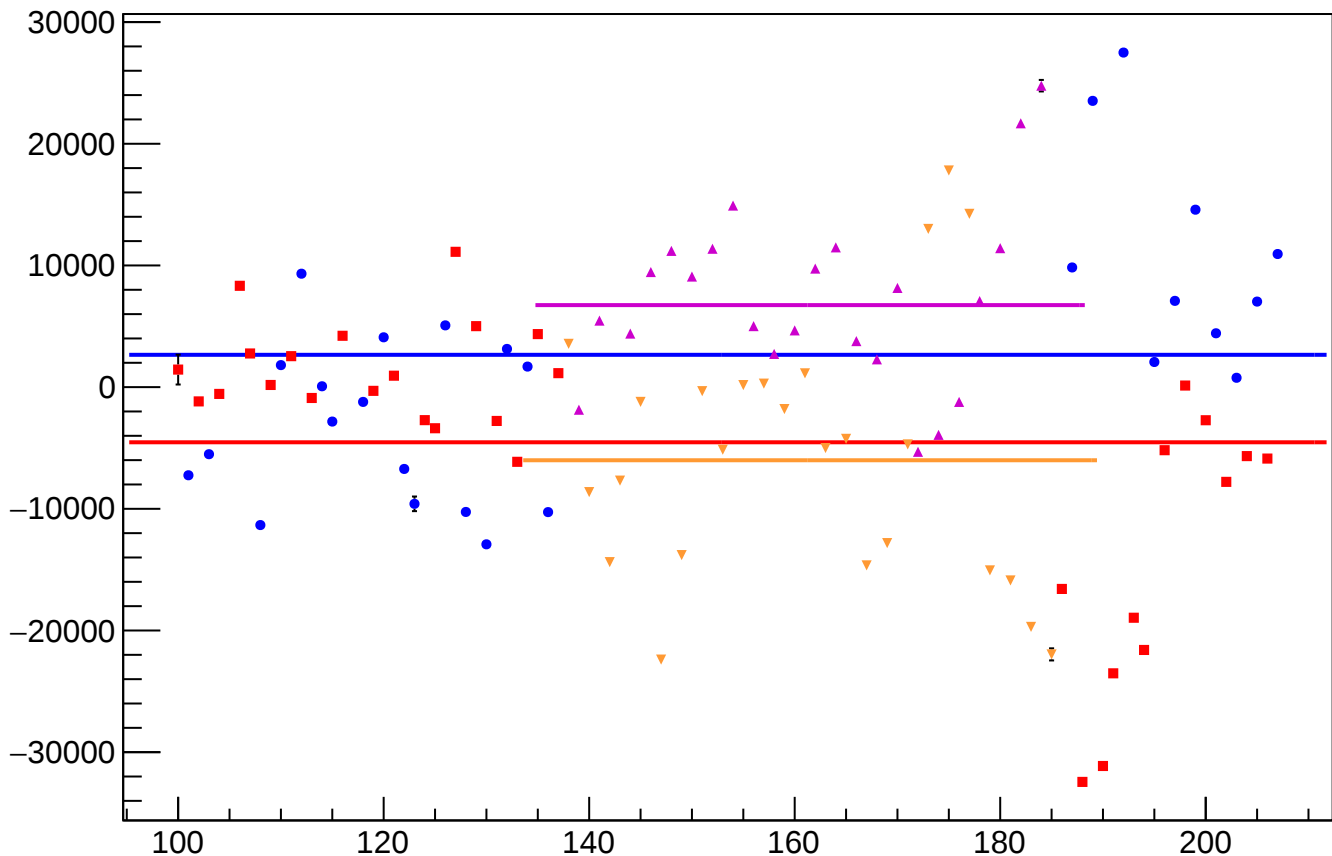
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 139.139+/-0.018 χ^2/NDF : 3715250.6/51

All: 138.714+/-0.013 χ^2/NDF : 7460757.1/105

- sign 138.297+/-0.018 χ^2/NDF : 3744410.0/53

asym_bpm2i02WS_mean vs Slug



Right In: 2656.132 $\pm$ 36.041 χ^2 /NDF: 80380.0/26

Left Out: -6009.913 $\pm$ 35.082 χ^2 /NDF: 67852.2/24

Right Out: -4532.676 $\pm$ 34.203 χ^2 /NDF: 96212.3/30

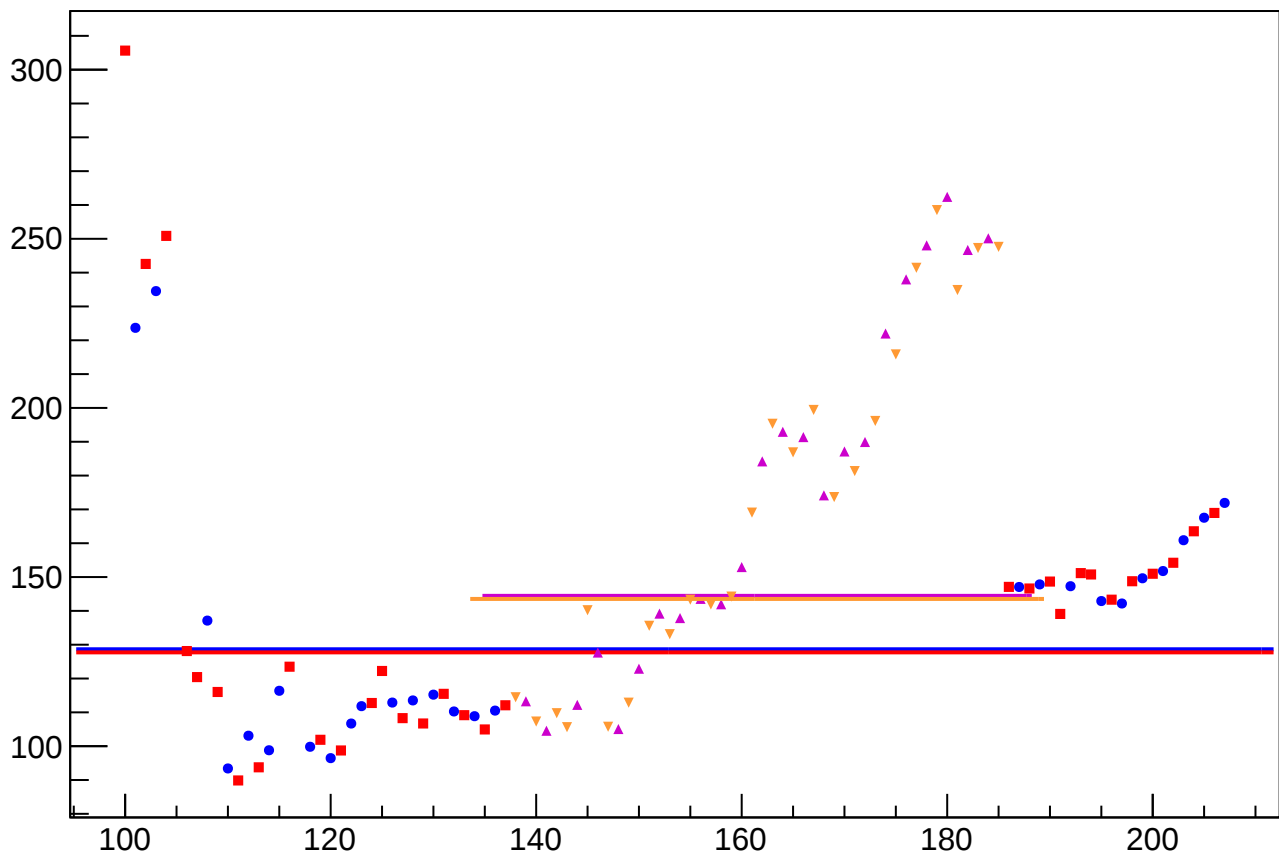
Left In: 6740.666 $\pm$ 36.379 χ^2 /NDF: 22071.8/22

+ sign -1793.724 $\pm$ 25.139 χ^2 /NDF: 177919.1/51

All: -507.319 $\pm$ 17.698 χ^2 /NDF: 352367.0/10

- sign 756.639 $\pm$ 24.919 χ^2 /NDF: 169256.6/53

asym_bpm2i02WS_rms vs Slug



Right In: 128.647+/-0.025 χ^2/NDF : 1314665.6/26

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 127.733+/-0.024 χ^2/NDF : 1465045.1/30

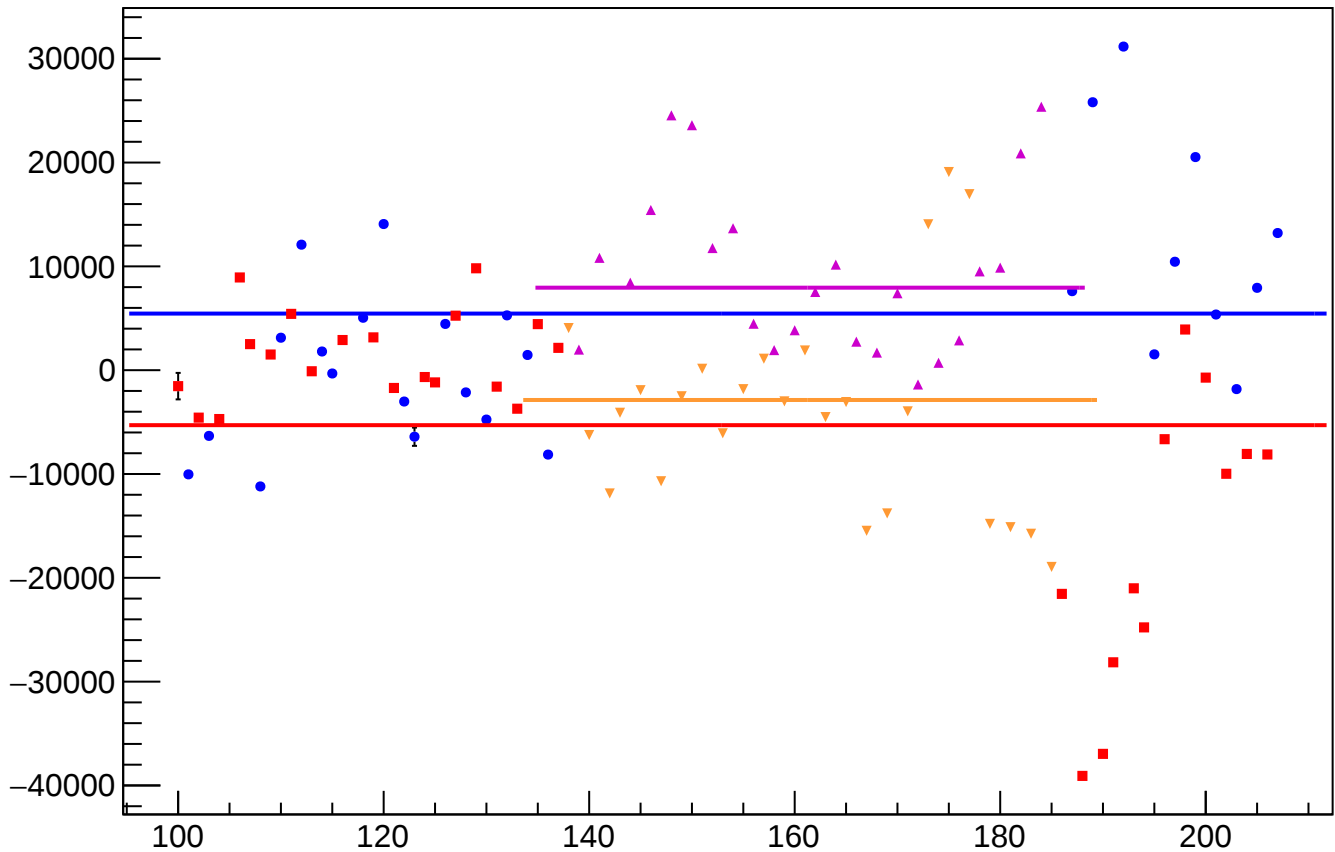
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 136.290+/-0.018 χ^2/NDF : 4194580.6/51

All: 135.928+/-0.013 χ^2/NDF : 8471262.4/105

- sign 135.572+/-0.018 χ^2/NDF : 4275858.8/53

asym_bpm0i01WS_mean vs Slug



Right In: 5452.301 $\pm$ 43.621 χ^2 /NDF: 61096.4/26

Left Out: -2870.473 $\pm$ 39.482 χ^2 /NDF: 46420.3/24

Right Out: -5296.165 $\pm$ 41.388 χ^2 /NDF: 95553.1/30

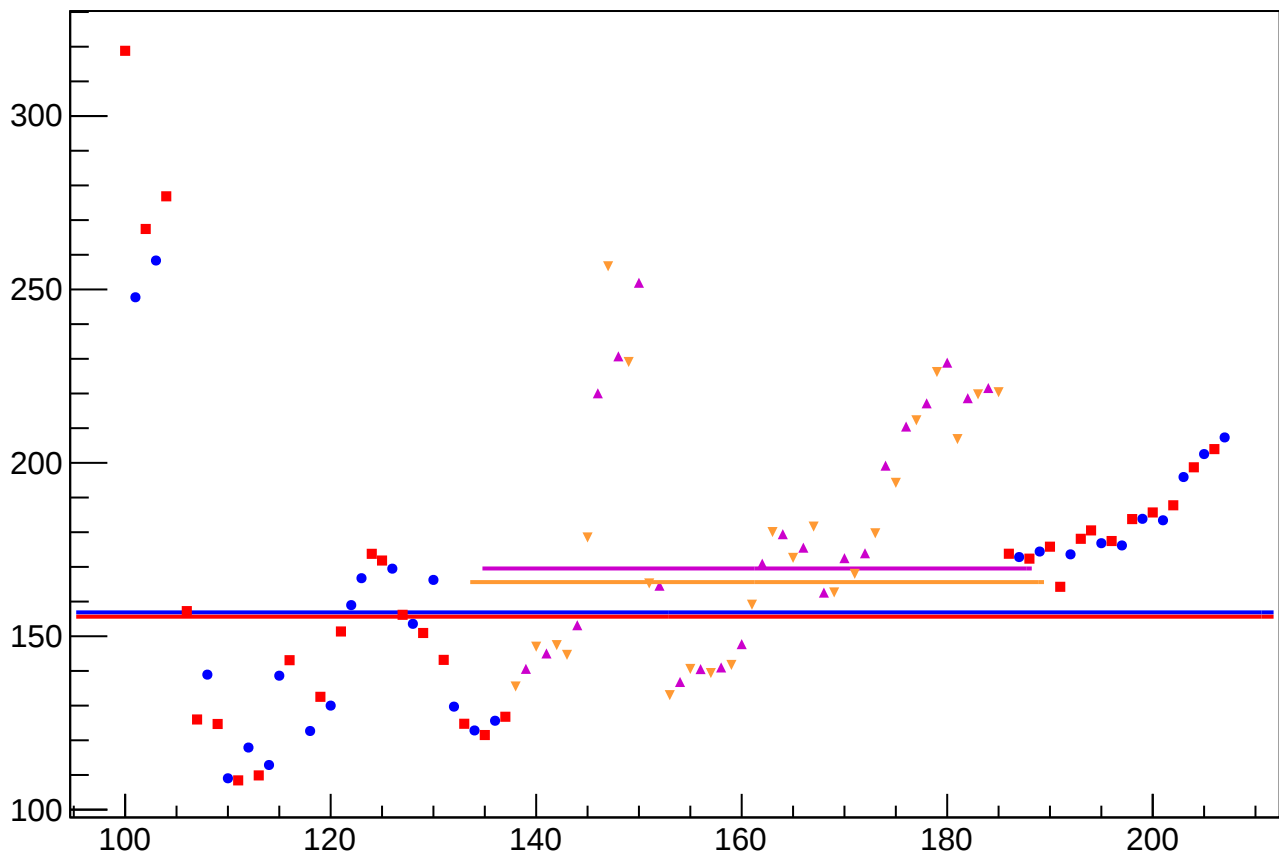
Left In: 7947.160 $\pm$ 41.726 χ^2 /NDF: 23874.5/22

+ sign 877.403 $\pm$ 29.272 χ^2 /NDF: 127526.9/51

All: 1073.761 $\pm$ 20.738 χ^2 /NDF: 297822.8/10

- sign 1271.622 $\pm$ 29.384 χ^2 /NDF: 170205.6/53

asym_bpm0i01WS_rms vs Slug



Right In: 156.883 $\pm$ 0.031 χ^2 /NDF: 1261725.4/26

Left Out: 165.616 $\pm$ 0.028 χ^2 /NDF:1144779.3/24

Right Out: 155.641 $\pm$ 0.029 χ^2 /NDF: 1389697.6/30

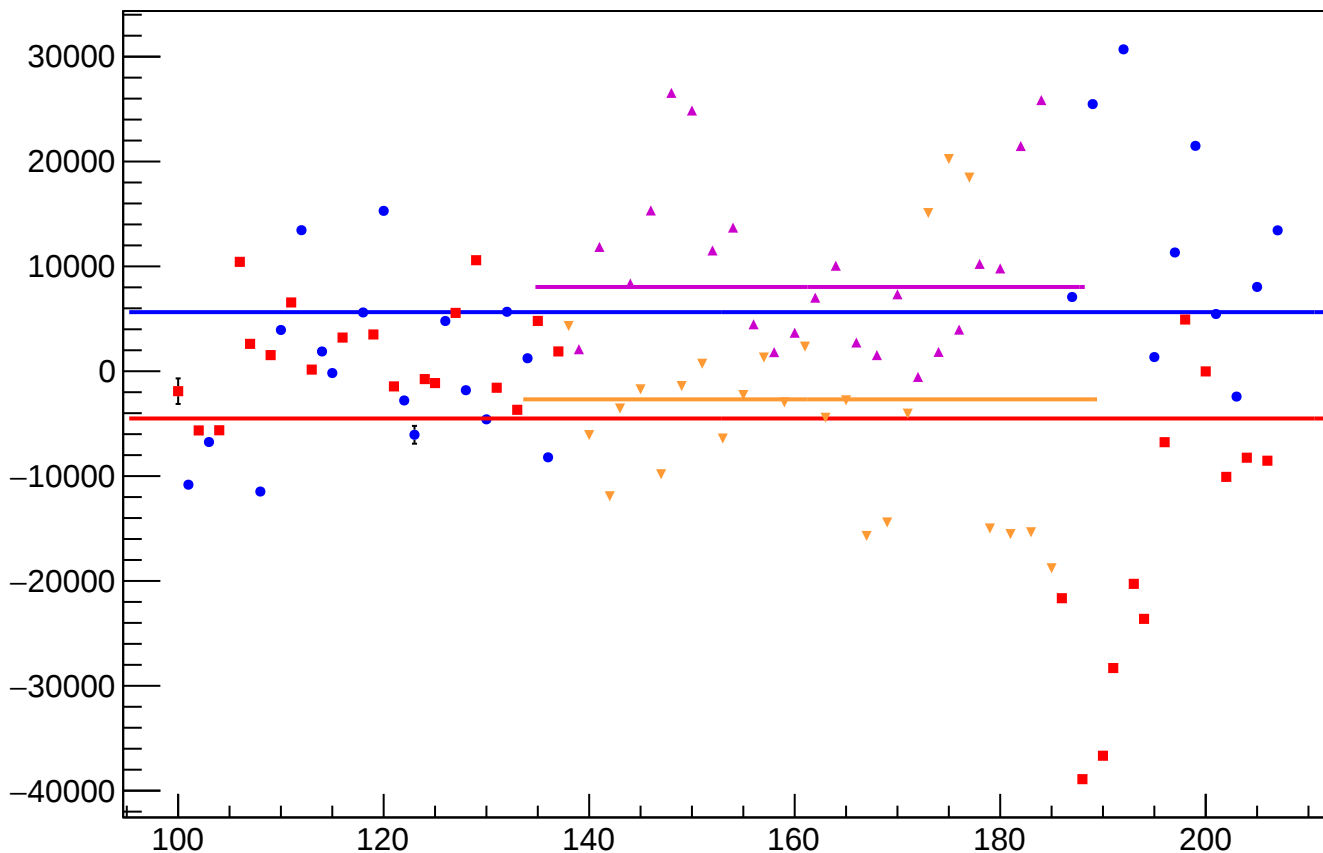
Left In: 169.542 $\pm$ 0.030 χ^2 /NDF:1159241.9/22

+ sign 161.684 $\pm$ 0.021 χ^2 /NDF: 2450567.7/51

All: 162.108 $\pm$ 0.015 χ^2 /NDF: 5112233.5/105

- sign 162.535 $\pm$ 0.021 χ^2 /NDF: 2660823.6/53

asym_bpm0i01aWS_mean vs Slug



Right In: 5635.450+/-36.796 χ^2/NDF : 85984.1/26

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -4506.180+/-34.688 χ^2/NDF : 133195.6/30

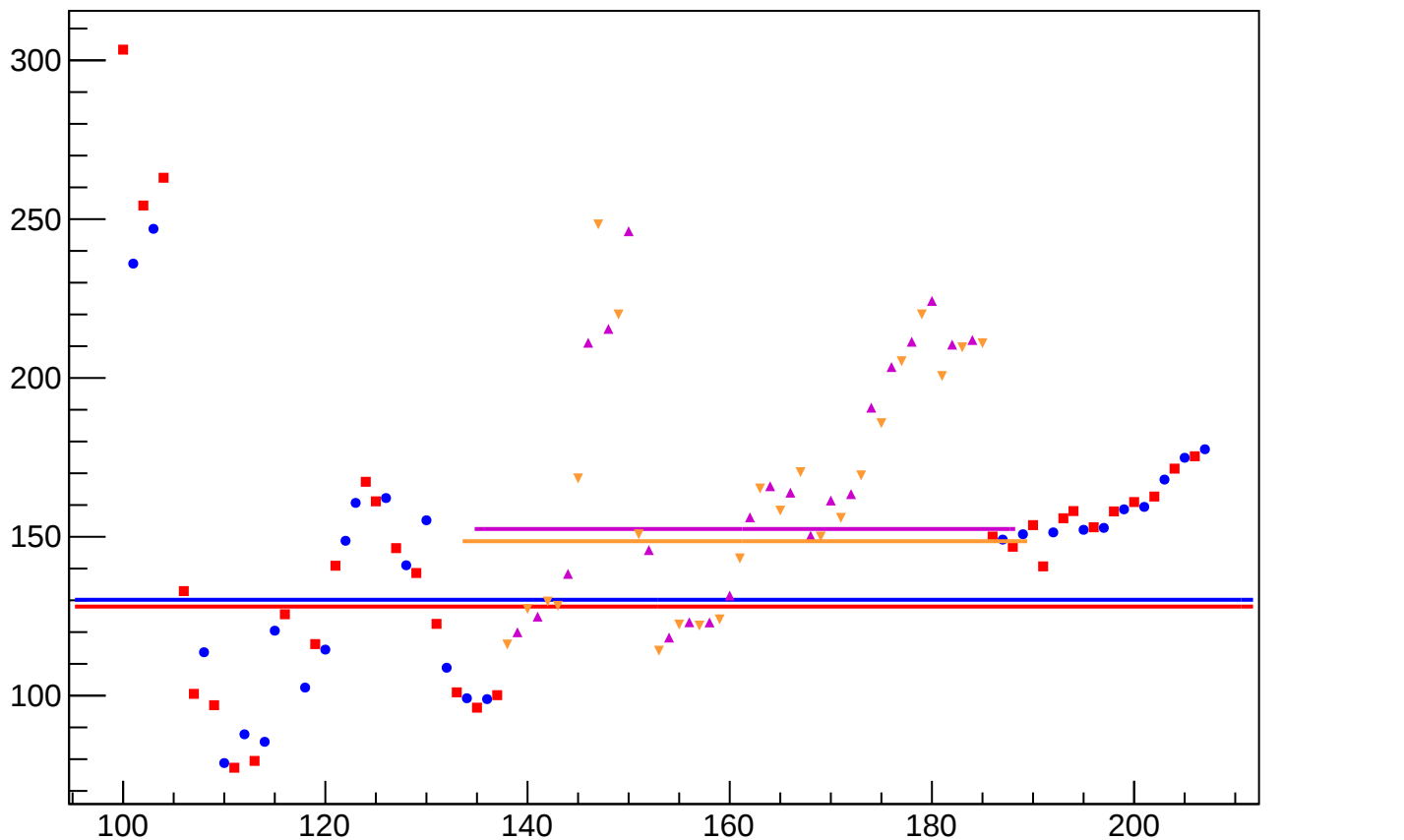
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 1359.458+/-25.646 χ^2/NDF : 169066.5/51

All: 1283.242+/-18.117 χ^2/NDF : 391101.2/10

- sign 1207.322+/-25.596 χ^2/NDF : 222017.0/53

asym_bpm0i01aWS_rms vs Slug



Right In: 130.174+/-0.026 χ^2/NDF : 1955798.1/26

Left Out: 148.611+/-0.025 χ^2/NDF :1685424.1/24

Right Out: 128.032+/-0.025 χ^2/NDF : 2236927.7/30

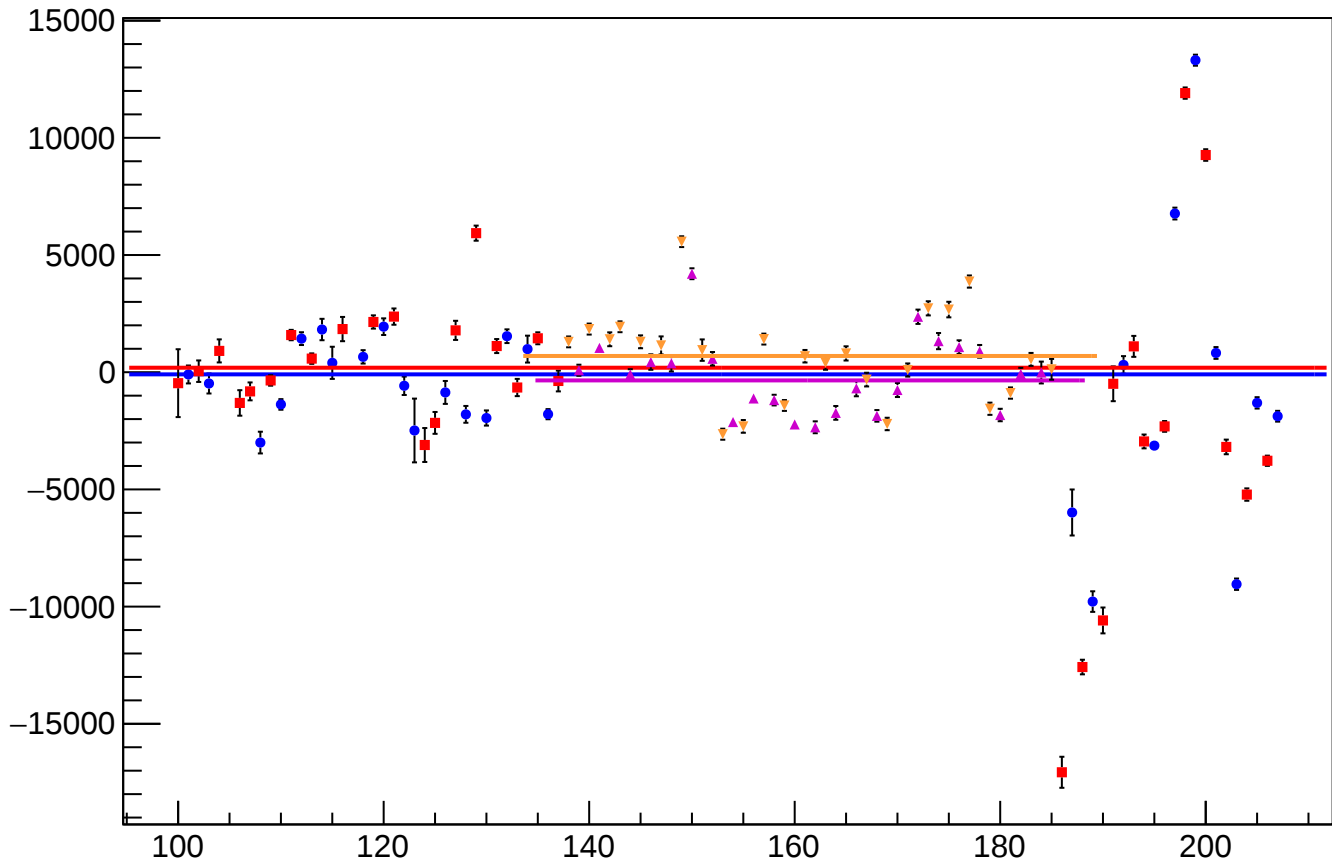
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 139.655+/-0.018 χ^2/NDF : 3899419.2/51

All: 139.407+/-0.013 χ^2/NDF : 8280165.8/105

- sign 139.161+/-0.018 χ^2/NDF : 4380375.4/53

asym_bpm0l01WS_mean vs Slug



Right In: -91.404 ± 59.831 χ^2/NDF : 6485.0/26

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: 191.748 ± 57.928 χ^2/NDF : 8129.5/30

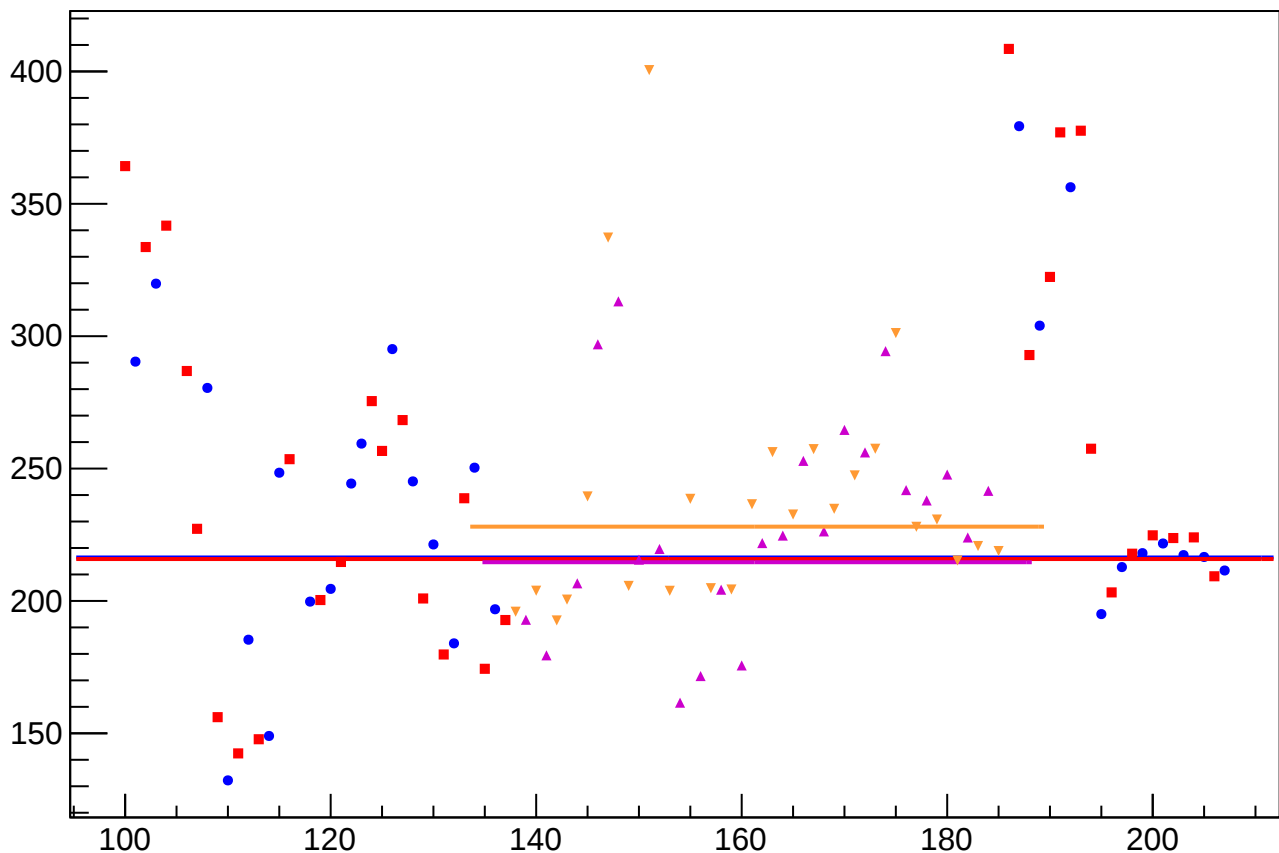
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 338.697 ± 40.211 χ^2/NDF : 8001.3/51

All: 112.168 ± 28.047 χ^2/NDF : 17221.0/105

- sign -102.466 ± 39.141 χ^2/NDF : 9157.9/53

asym_bpm0l01WS_rms vs Slug



Right In: 216.413+/-0.042 χ^2/NDF : 1150753.8/26

Left Out: 228.061+/-0.038 χ^2/NDF : 826343.8/24

Right Out: 215.829+/-0.041 χ^2/NDF : 1822602.9/30

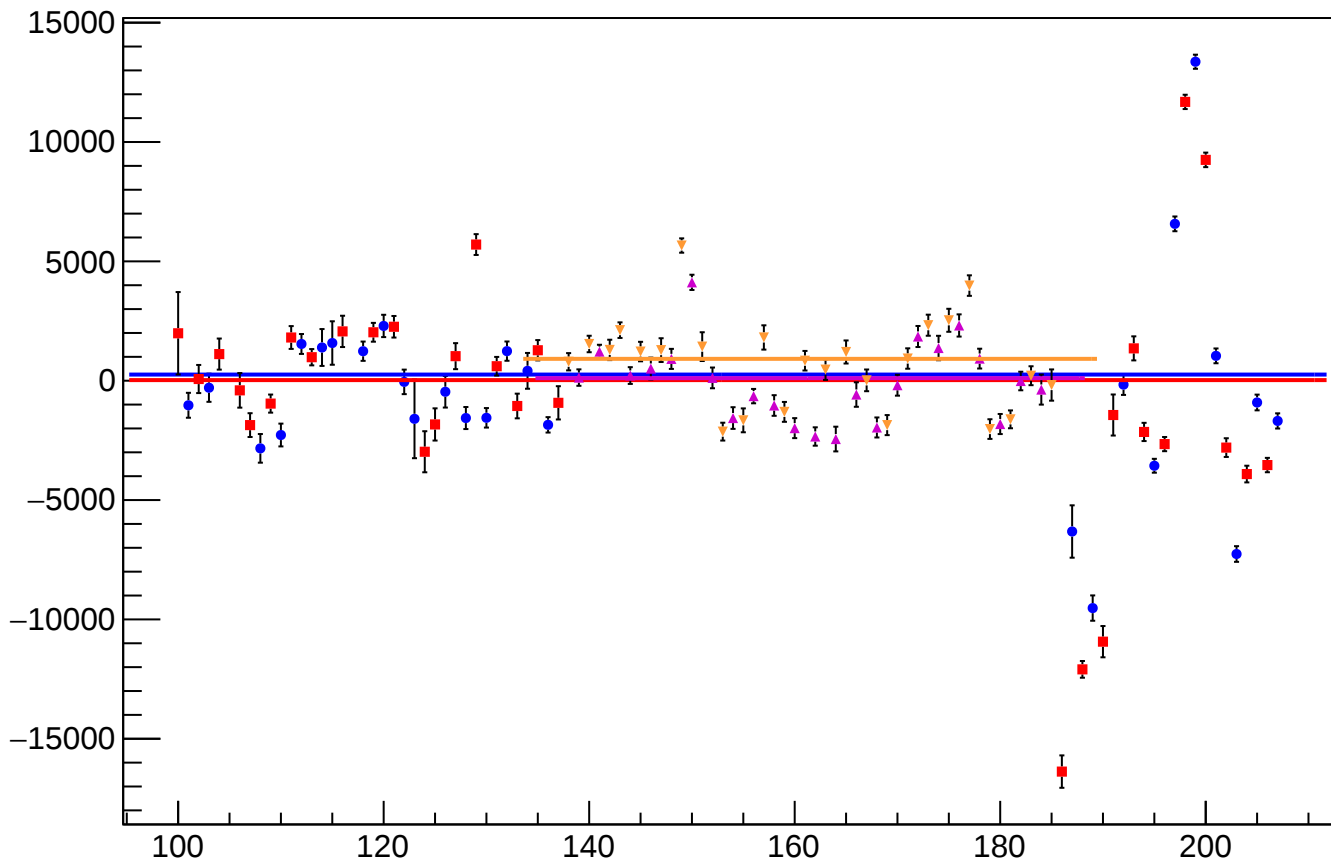
Left In: 214.627+/-0.038 χ^2/NDF : 1025683.3/22

+ sign 222.800+/-0.028 χ^2/NDF : 2018660.8/51

All: 218.885+/-0.020 χ^2/NDF : 4904332.5/105

- sign 215.176+/-0.028 χ^2/NDF : 2848754.0/53

asym_bpm0l02WS_mean vs Slug



Right In: 257.206 $\pm$ 81.655 χ^2 /NDF: 3697.3/26

Left Out: 915.968 $\pm$ 83.398 χ^2 /NDF: 618.3/24

Right Out: 25.224 $\pm$ 79.330 χ^2 /NDF: 5248.2/30

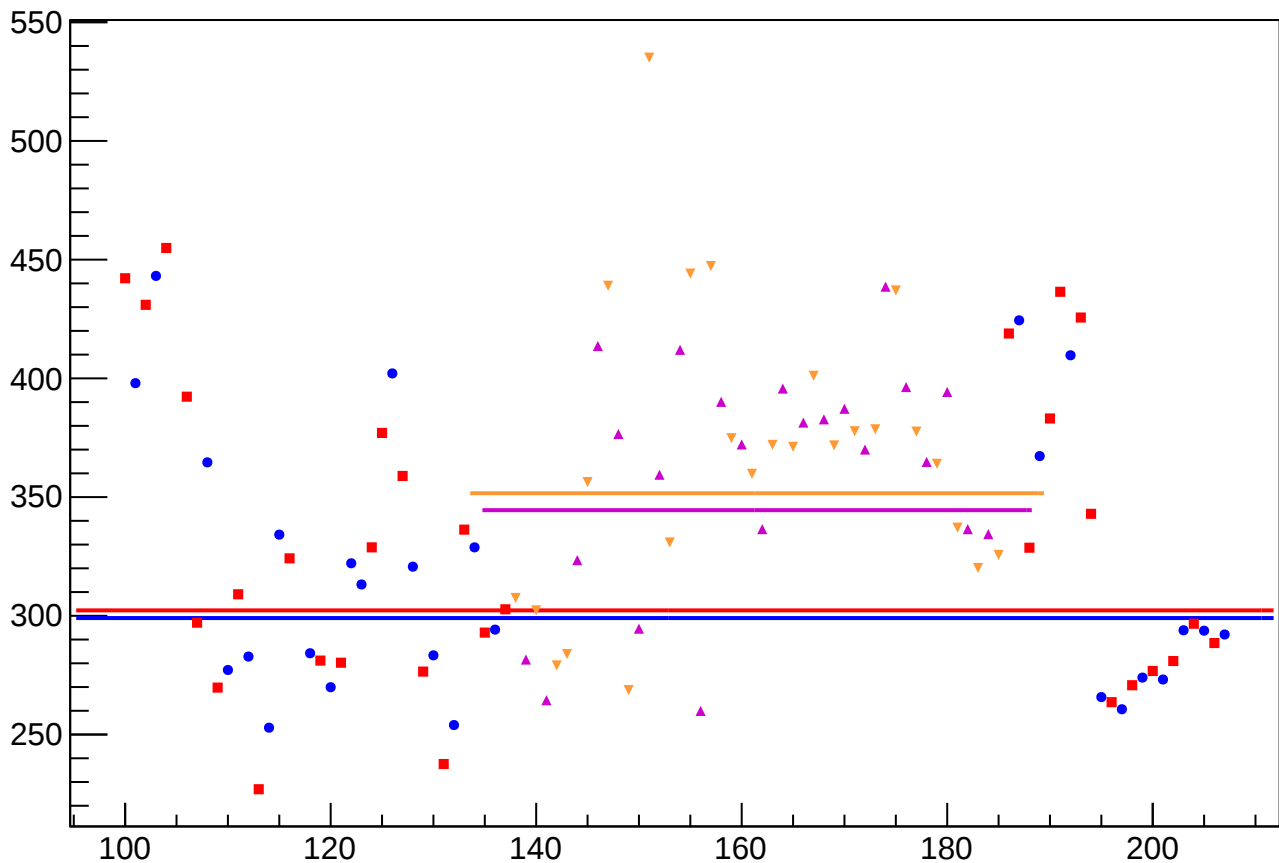
Left In: 106.116 $\pm$ 84.393 χ^2 /NDF: 390.3/22

+ sign 579.629 $\pm$ 58.345 χ^2 /NDF: 4347.5/51

All: 318.983 $\pm$ 41.063 χ^2 /NDF: 10026.0/105

- sign 63.170 $\pm$ 57.802 χ^2 /NDF: 5639.0/53

asym_bpm0l02WS_rms vs Slug



Right In: 299.059+/-0.058 χ^2/NDF : 609900.6/26

Left Out: 351.633+/-0.059 χ^2/NDF : 907849.3/24

Right Out: 302.289+/-0.056 χ^2/NDF : 867398.4/30

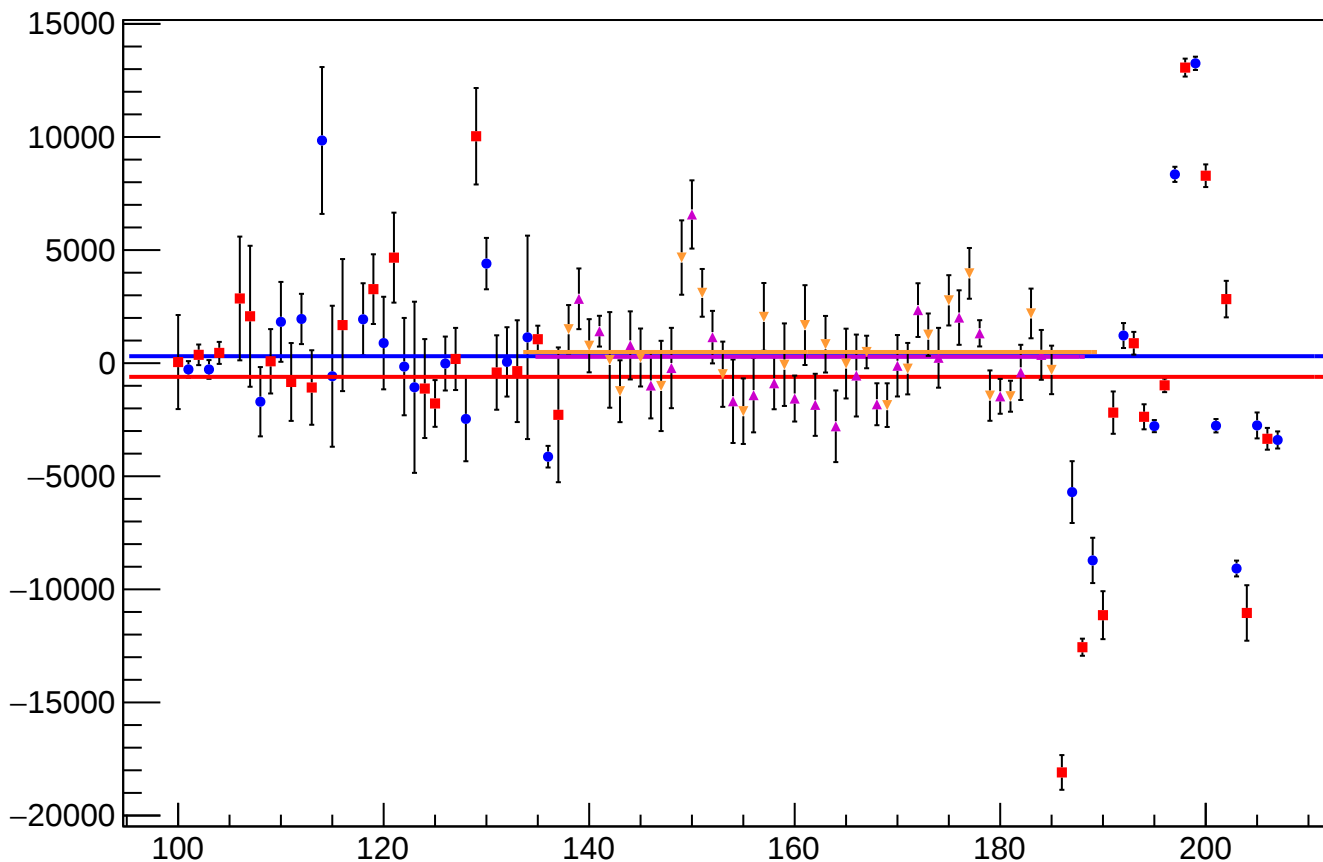
Left In: 344.491+/-0.060 χ^2/NDF : 768885.4/22

+ sign 324.791+/-0.041 χ^2/NDF : 1923546.6/51

All: 323.426+/-0.029 χ^2/NDF : 3827510.3/105

- sign 322.086+/-0.041 χ^2/NDF : 1901795.1/53

asym_bpm0l03WS_mean vs Slug



Right In: 308.079 $\pm$ 104.677 χ^2 /NDF: 3822.9/26

Left Out: 495.014 $\pm$ 231.058 χ^2 /NDF:56.2/24

Right Out: -605.344 $\pm$ 126.293 χ^2 /NDF: 3328.6/30

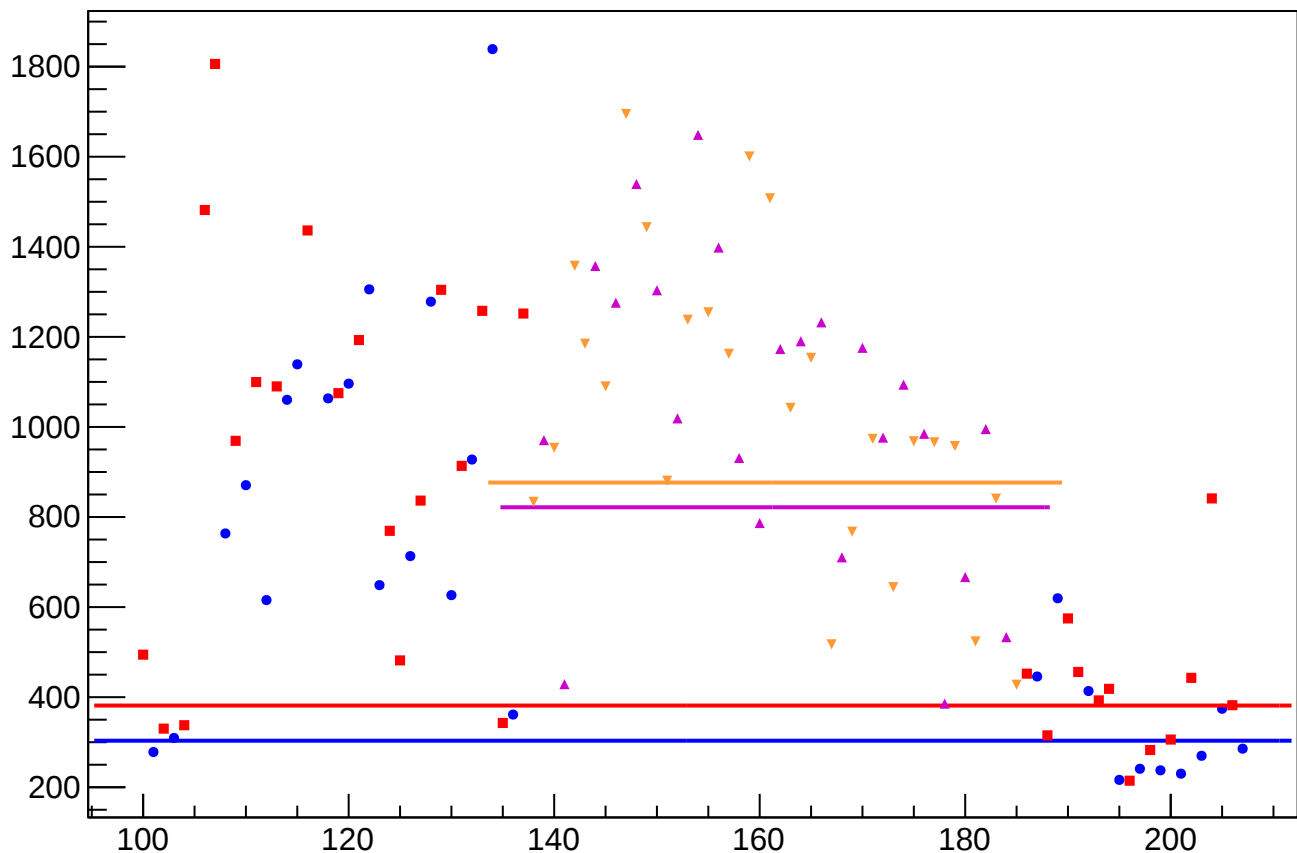
Left In: 280.692 $\pm$ 232.048 χ^2 /NDF:57.2/22

+ sign 339.912 $\pm$ 95.349 χ^2 /NDF: 3879.7/51

All: 24.305 $\pm$ 72.308 χ^2 /NDF: 7302.5/105

- sign -402.864 $\pm$ 110.928 χ^2 /NDF: 3397.0/53

asym_bpm0l03WS_rms vs Slug



Right In: 303.331+/-0.074 χ^2/NDF : 4402993.0/26

Left Out: 876.560+/-0.163 χ^2/NDF :3434698.7/24

Right Out: 381.408+/-0.089 χ^2/NDF : 5457549.0/30

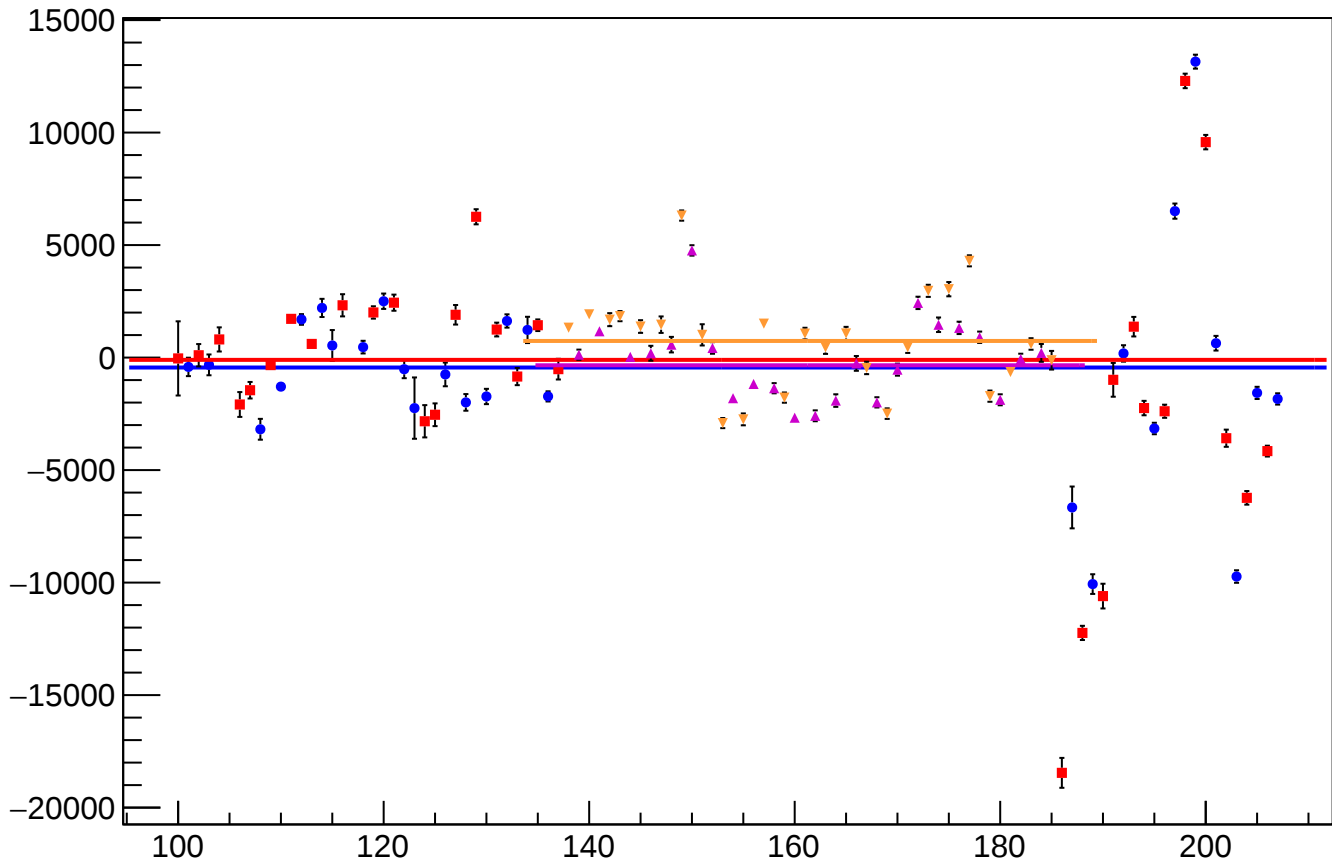
Left In: 821.657+/-0.164 χ^2/NDF :4443094.2/22

+ sign 400.946+/-0.067 χ^2/NDF : 18051095.2/51

All: 435.392+/-0.051 χ^2/NDF : 34119955.1/10

- sign 482.015+/-0.078 χ^2/NDF : 15454536.7/53

asym_bpm0l04WS_mean vs Slug



Right In: -441.719 ± 63.635 $\chi^2/\text{NDF}: 4545.1/26$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: -101.618 ± 60.226 $\chi^2/\text{NDF}: 6625.2/30$

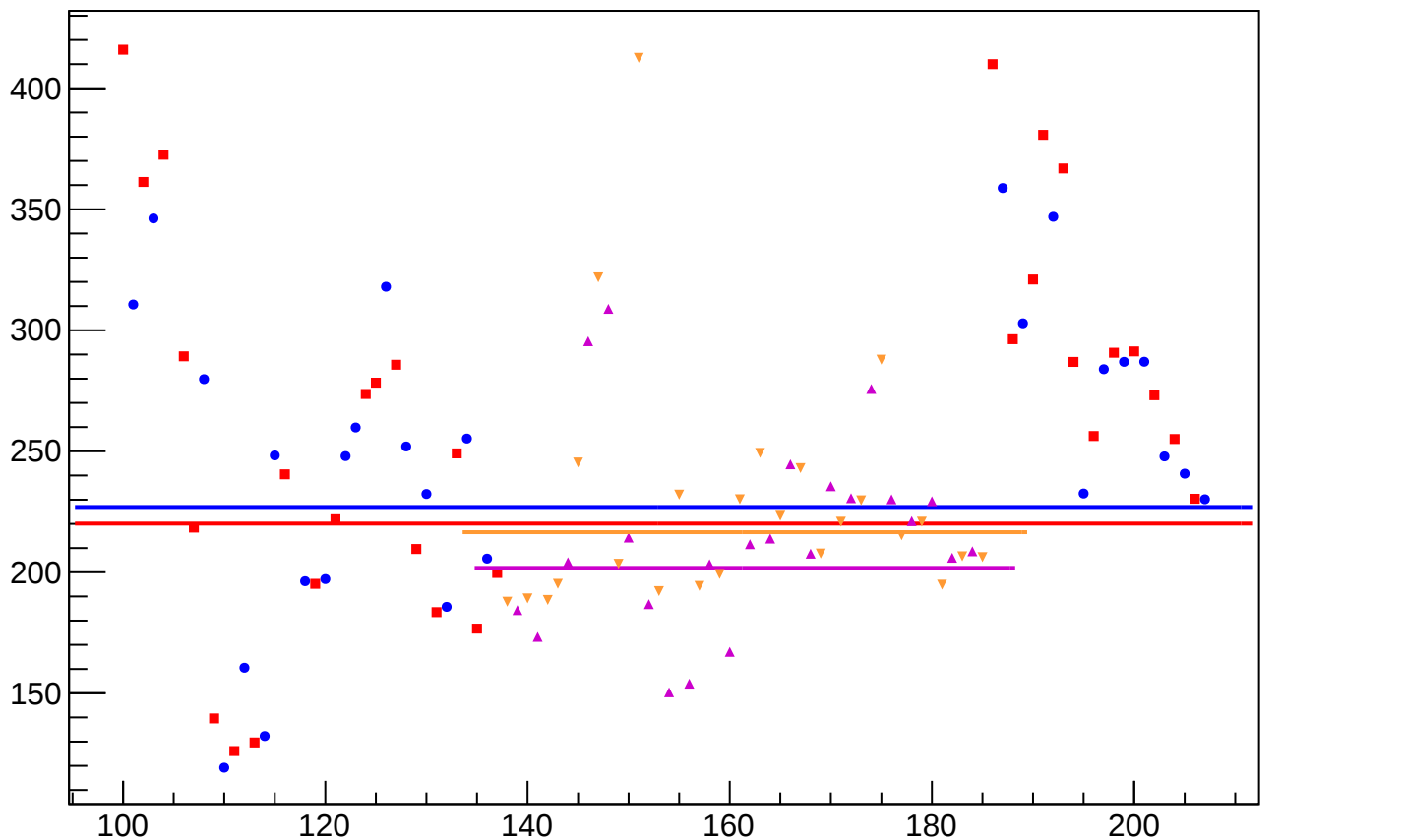
Left In: -342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

+ sign 269.993 ± 40.102 $\chi^2/\text{NDF}: 6687.8/51$

All: 2.411 ± 27.769 $\chi^2/\text{NDF}: 14662.9/105$

- sign -244.092 ± 38.490 $\chi^2/\text{NDF}: 7889.5/53$

asym_bpm0l04WS_rms vs Slug



Right In: 226.981 ± 0.045 χ^2/NDF : 1775192.9/26

Left Out: 216.574 ± 0.037 χ^2/NDF : 886214.1/24

Right Out: 220.116 ± 0.043 χ^2/NDF : 2836130.2/30

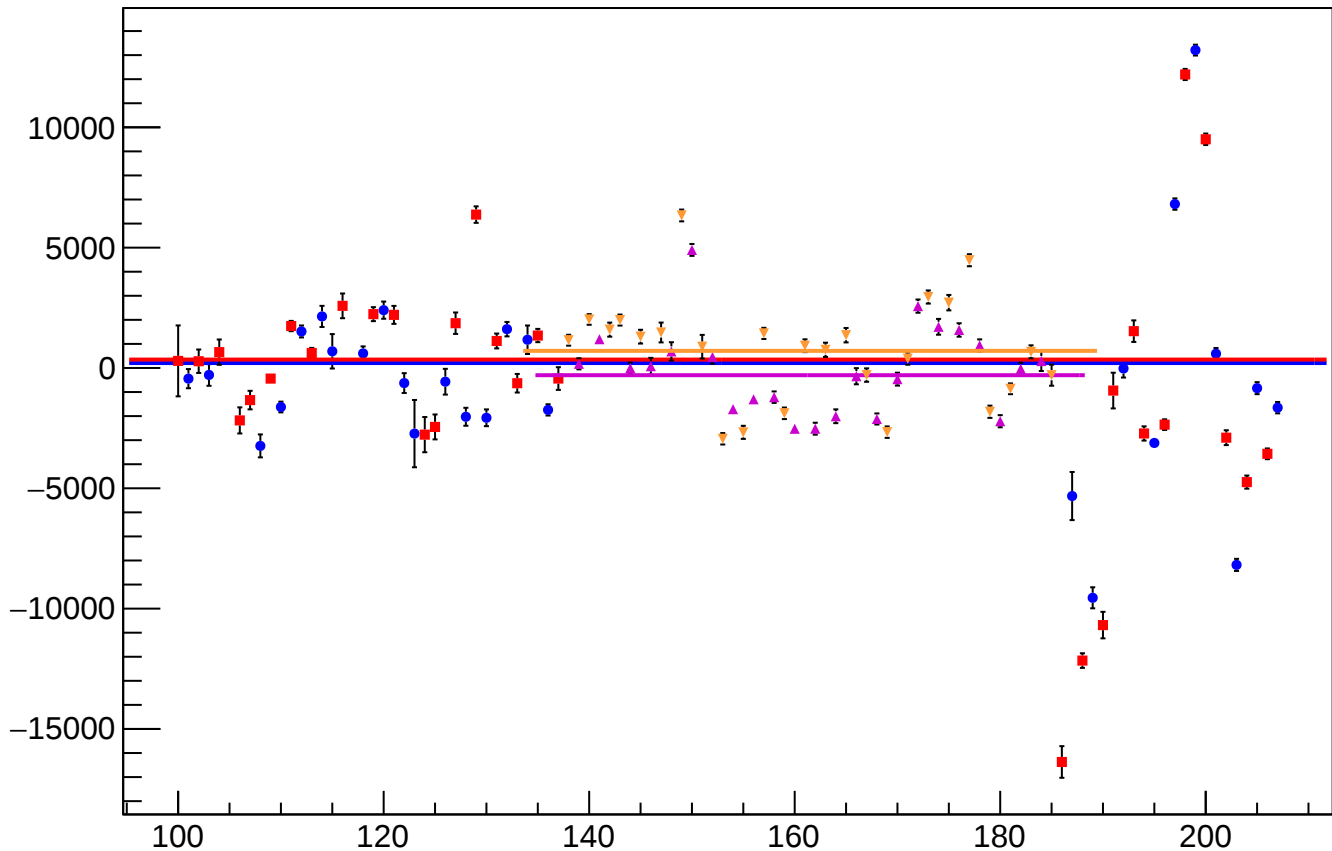
Left In: 201.805 ± 0.035 χ^2/NDF : 1087243.4/22

+ sign 220.707 ± 0.028 χ^2/NDF : 2693657.2/51

All: 214.762 ± 0.020 χ^2/NDF : 6810855.1/105

- sign 209.284 ± 0.027 χ^2/NDF : 4032731.5/53

asym_bpm0l05WS_mean vs Slug



Right In: 204.619 $\pm$ 60.062 χ^2 /NDF: 6470.0/26

Left Out: 711.174 $\pm$ 53.245 χ^2 /NDF:1835.3/24

Right Out: 349.075 $\pm$ 57.924 χ^2 /NDF: 8452.5/30

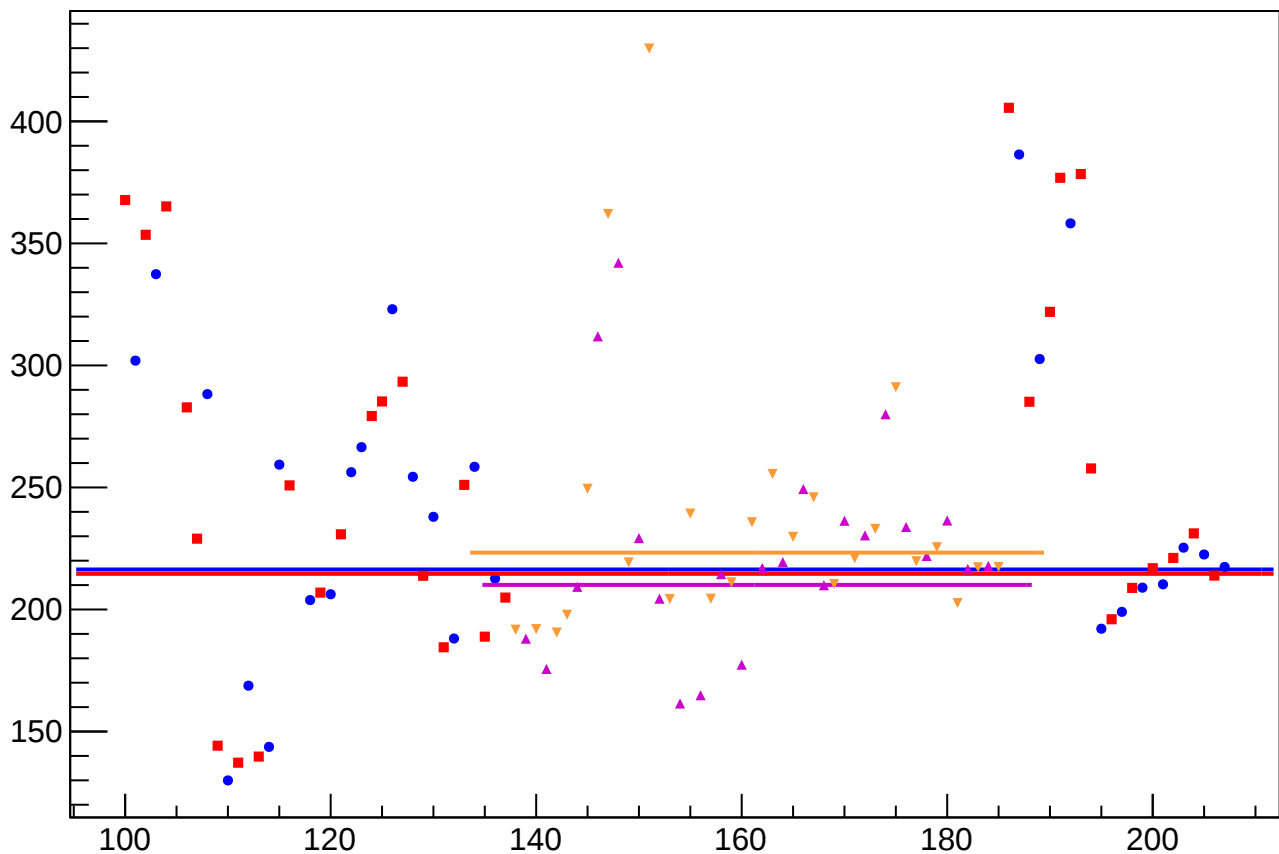
Left In: -300.516 $\pm$ 51.984 χ^2 /NDF:1208.6/22

+ sign 488.264 $\pm$ 39.843 χ^2 /NDF: 8345.1/51

All: 231.433 $\pm$ 27.756 χ^2 /NDF: 18156.6/105

- sign -10.728 $\pm$ 38.688 χ^2 /NDF: 9730.7/53

asym_bpm0l05WS_rms vs Slug



Right In: 216.387 ± 0.042 $\chi^2/\text{NDF}: 1345441.2/26$

Left Out: 223.296 ± 0.038 $\chi^2/\text{NDF}: 922768.4/24$

Right Out: 214.613 ± 0.041 $\chi^2/\text{NDF}: 2093538.5/30$

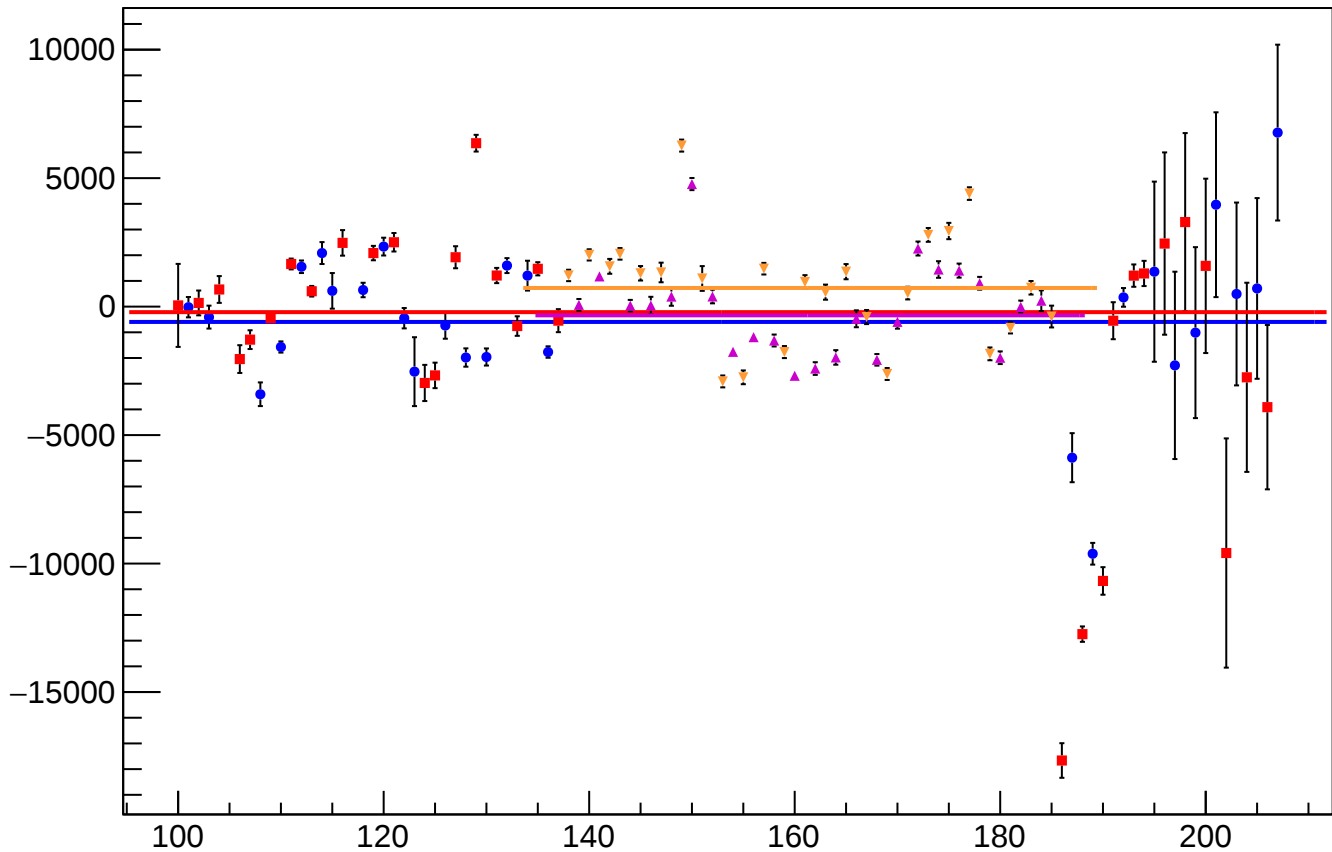
Left In: 210.080 ± 0.037 $\chi^2/\text{NDF}: 1015274.5/22$

+ sign 220.256 ± 0.028 $\chi^2/\text{NDF}: 2283029.1/51$

All: 216.059 ± 0.020 $\chi^2/\text{NDF}: 5441738.1/109$

- sign 212.102 ± 0.027 $\chi^2/\text{NDF}: 3115597.8/53$

asym_bpm0l06WS_mean vs Slug



Right In: -596.085 ± 79.058 χ^2/NDF : 898.6/26

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -215.241 ± 69.979 χ^2/NDF : 3639.7/30

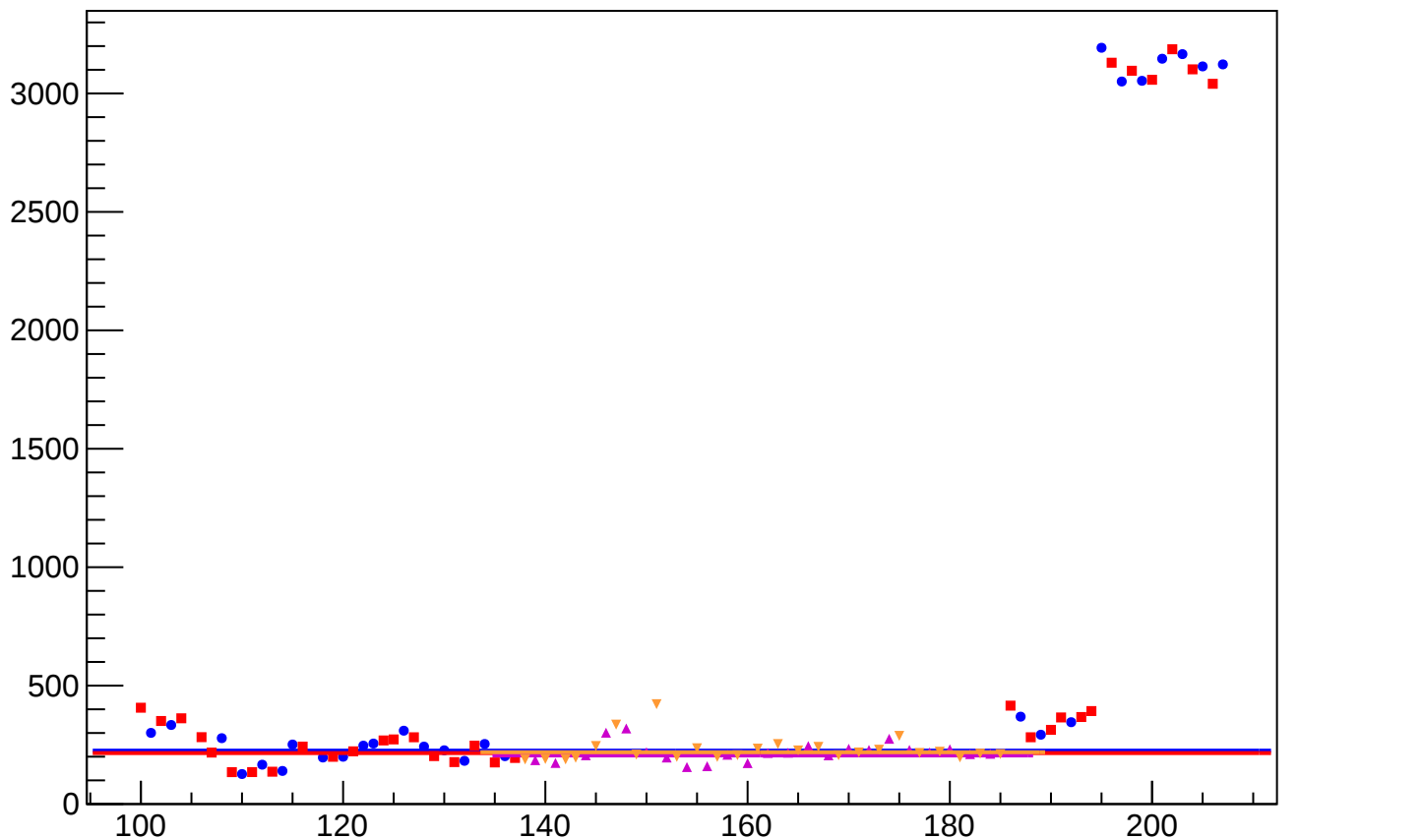
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 324.964 ± 43.537 χ^2/NDF : 3006.1/51

All: -3.969 ± 29.891 χ^2/NDF : 7957.8/105

- sign -297.270 ± 41.111 χ^2/NDF : 4843.7/53

asym_bpm0l06WS_rms vs Slug



Right In: 225.504 $\pm$ 0.056 χ^2 /NDF: 10861126.4/26

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 215.227 $\pm$ 0.049 χ^2 /NDF: 10252915.9/30

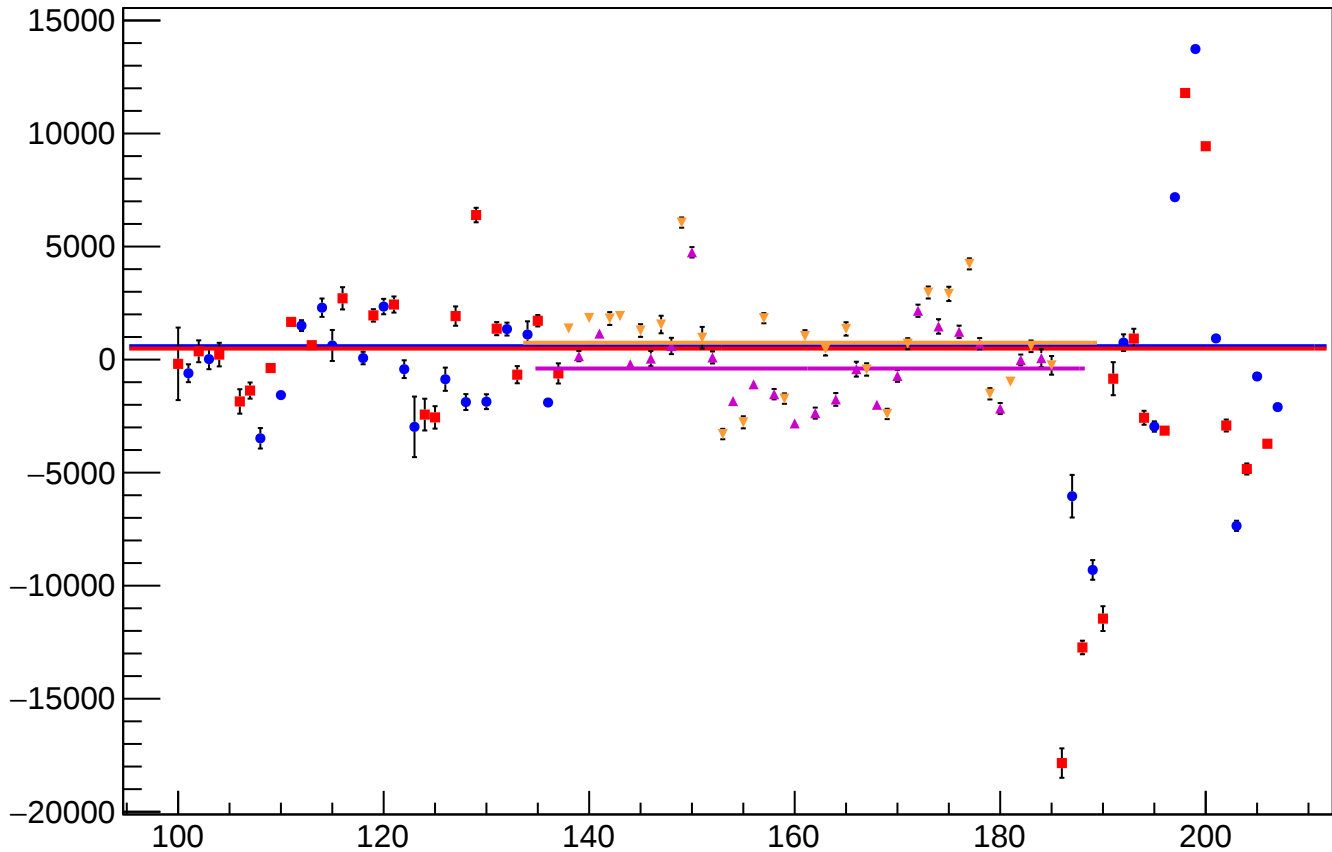
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 220.811 $\pm$ 0.031 χ^2 /NDF: 11768154.5/51

All: 214.405 $\pm$ 0.021 χ^2 /NDF: 23126779.5/10

- sign 208.693 $\pm$ 0.029 χ^2 /NDF: 11276712.9/53

asym_bpm0l07WS_mean vs Slug



Right In: 593.080 ± 55.998 $\chi^2/\text{NDF}: 8447.4/26$

Left Out: 746.405 ± 51.592 $\chi^2/\text{NDF}: 1942.1/24$

Right Out: 486.544 ± 54.074 $\chi^2/\text{NDF}: 10302.7/30$

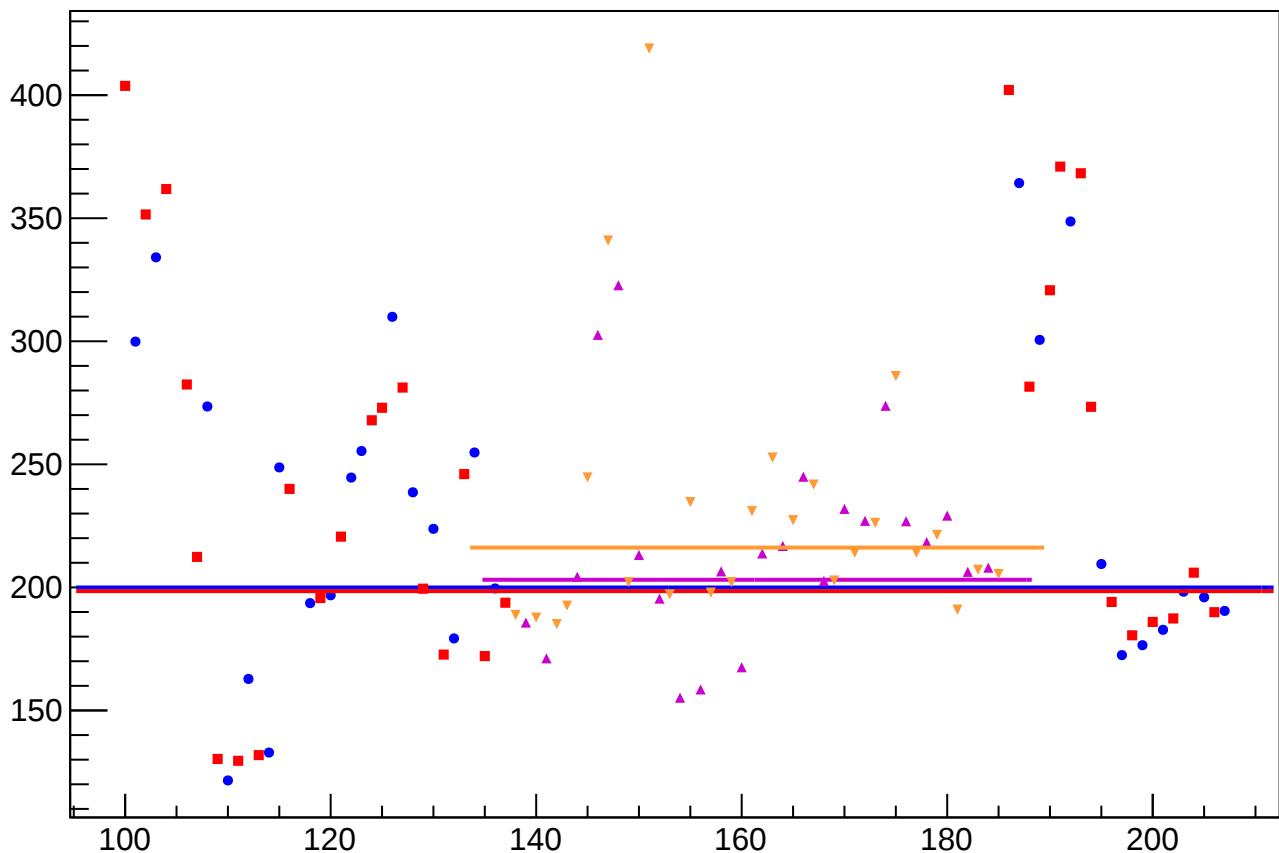
Left In: -394.379 ± 50.311 $\chi^2/\text{NDF}: 1236.4/22$

+ sign 676.012 ± 37.943 $\chi^2/\text{NDF}: 10393.6/51$

All: 335.378 ± 26.429 $\chi^2/\text{NDF}: 22231.4/105$

- sign 14.372 ± 36.834 $\chi^2/\text{NDF}: 11681.3/53$

asym_bpm0l07WS_rms vs Slug



Right In: 199.960+/-0.040 χ^2/NDF : 1523994.4/26

Left Out: 216.178+/-0.036 χ^2/NDF : 946050.8/24

Right Out: 198.482+/-0.038 χ^2/NDF : 2442087.7/30

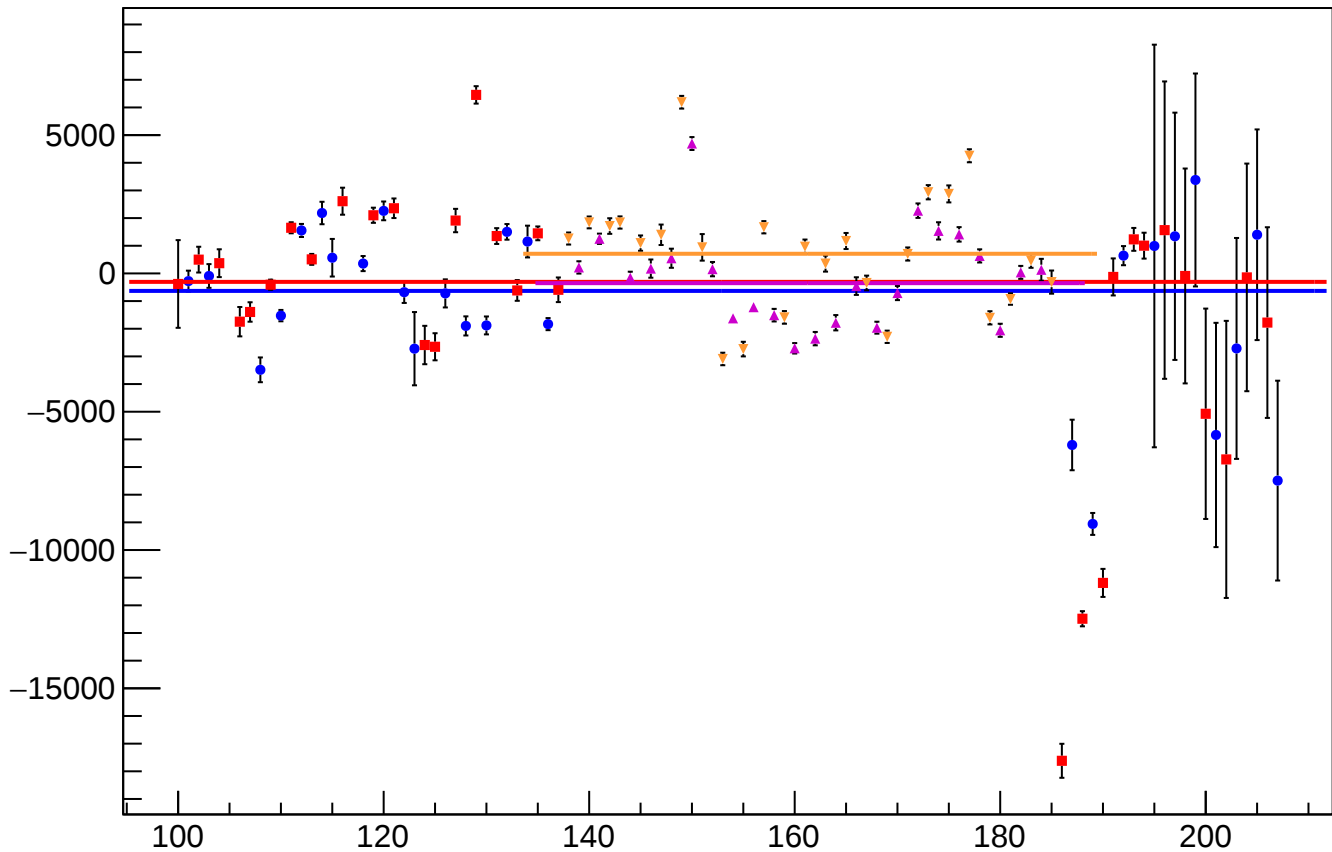
Left In: 203.101+/-0.036 χ^2/NDF : 1038013.0/22

+ sign 208.732+/-0.027 χ^2/NDF : 2560778.4/51

All: 204.730+/-0.019 χ^2/NDF : 6091932.2/105

- sign 200.957+/-0.026 χ^2/NDF : 3487923.2/53

asym_bpm0l08WS_mean vs Slug



Right In: -632.432 ± 76.429 χ^2/NDF : 921.8/26

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -305.564 ± 67.119 χ^2/NDF : 4164.7/30

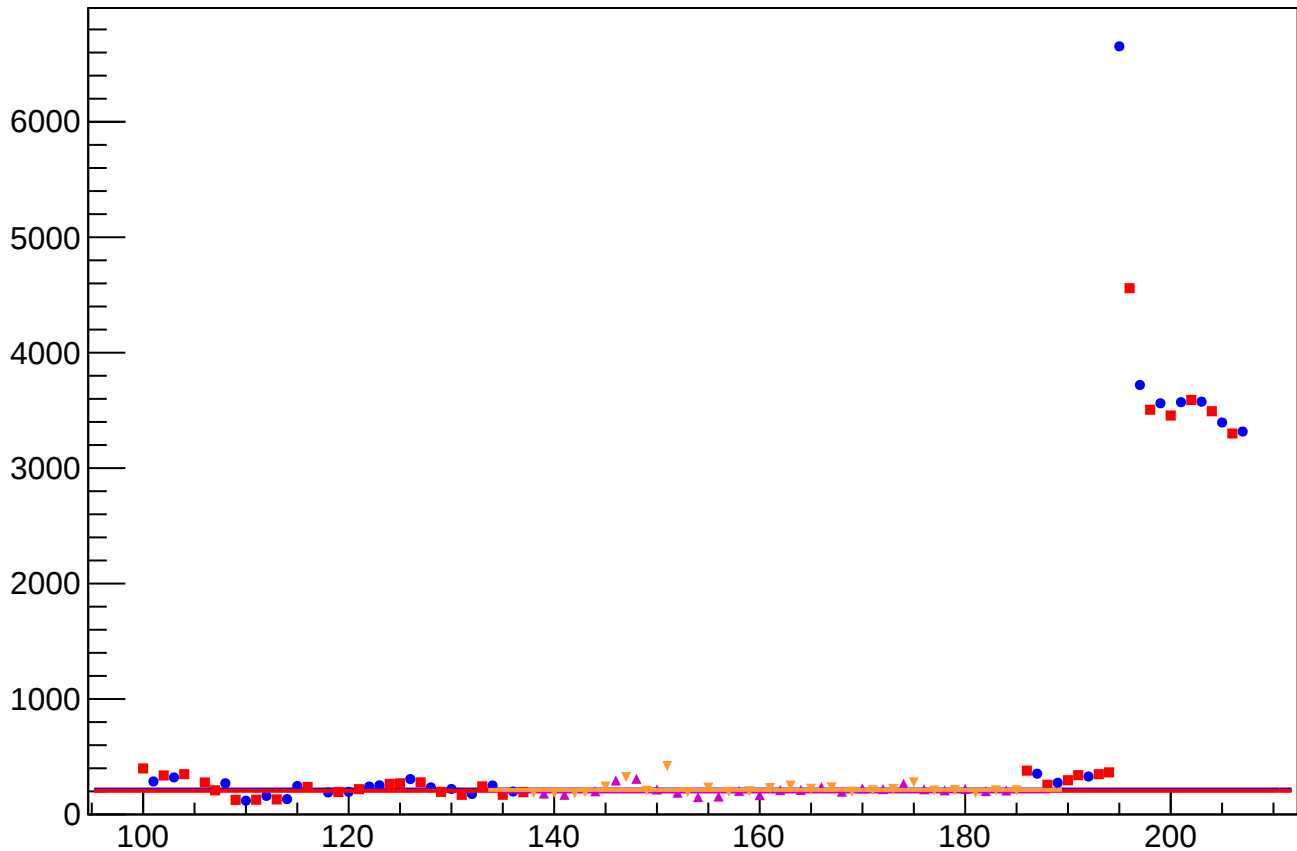
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 299.380 ± 42.278 χ^2/NDF : 3068.3/51

All: -37.942 ± 28.957 χ^2/NDF : 8586.3/105

- sign -336.000 ± 39.742 χ^2/NDF : 5398.1/53

asym_bpm0l08WS_rms vs Slug



Right In: 215.756+/-0.054 χ^2/NDF : 11278992.7/26

Left Out: 212.718+/-0.036 χ^2/NDF : 916225.9/24

Right Out: 204.826+/-0.047 χ^2/NDF : 10443415.7/30

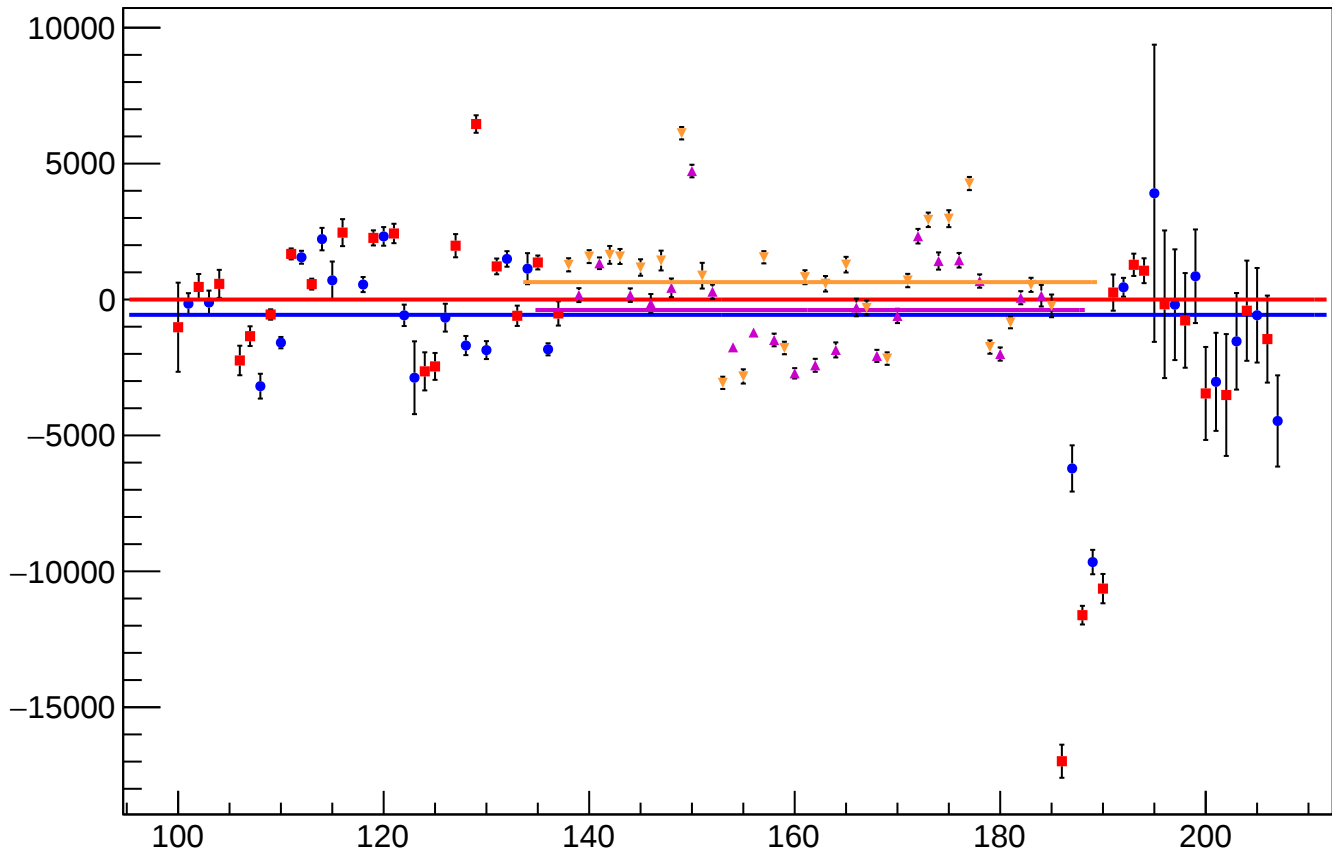
Left In: 199.142+/-0.035 χ^2/NDF : 985932.4/22

+ sign 213.648+/-0.030 χ^2/NDF : 12197411.7/51

All: 207.005+/-0.020 χ^2/NDF : 23729088.1/10

- sign 201.135+/-0.028 χ^2/NDF : 11438661.1/53

asym_bpm0l09WS_mean vs Slug



Right In: -563.916 ± 77.424 χ^2/NDF : 868.0/26

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: -0.897 ± 68.830 χ^2/NDF : 3103.6/30

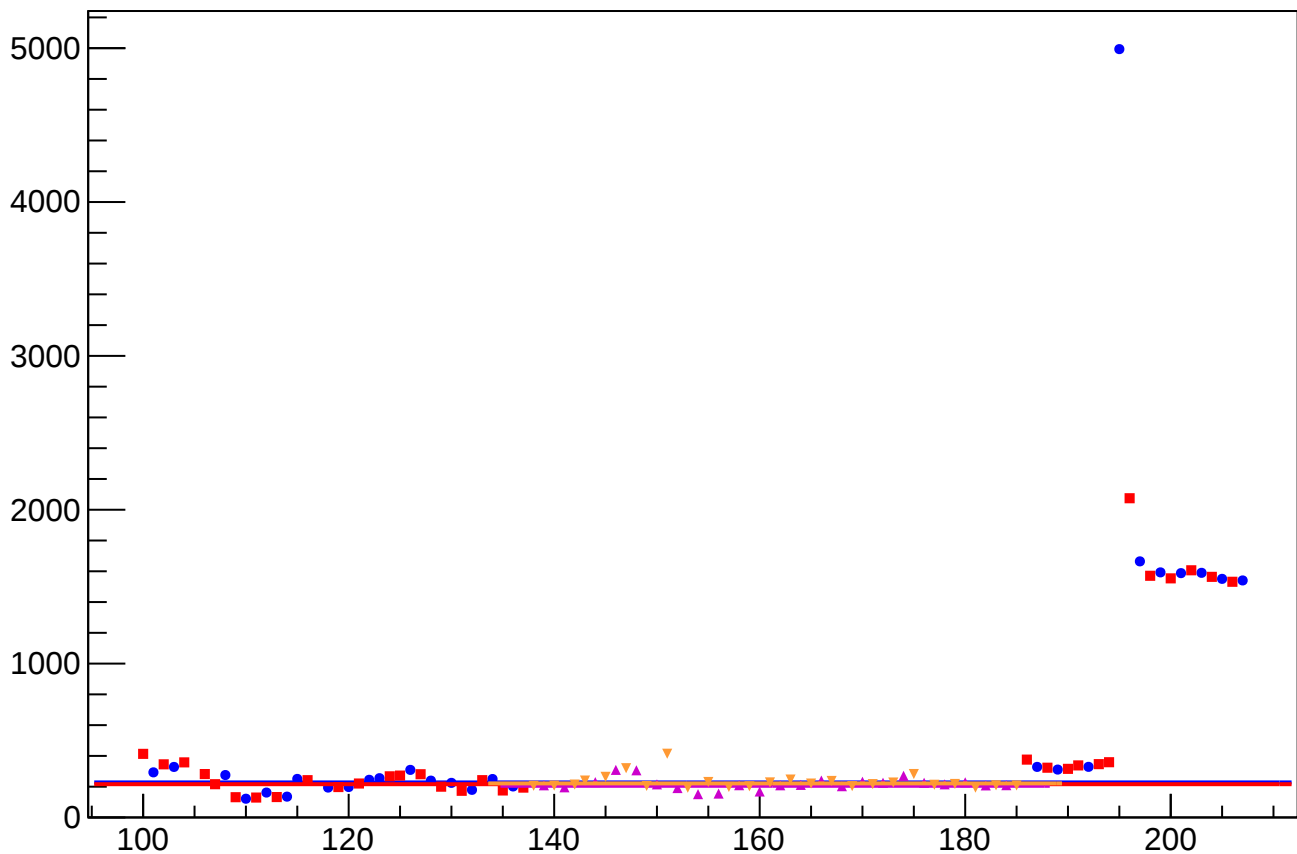
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 258.736 ± 43.570 χ^2/NDF : 2892.4/51

All: -11.077 ± 29.849 χ^2/NDF : 7326.5/105

- sign -249.690 ± 40.974 χ^2/NDF : 4361.8/53

asym_bpm0l09WS_rms vs Slug



Right In: 227.675 $\pm$ 0.055 χ^2 /NDF: 9876208.4/26

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 216.184 $\pm$ 0.049 χ^2 /NDF: 9103255.4/30

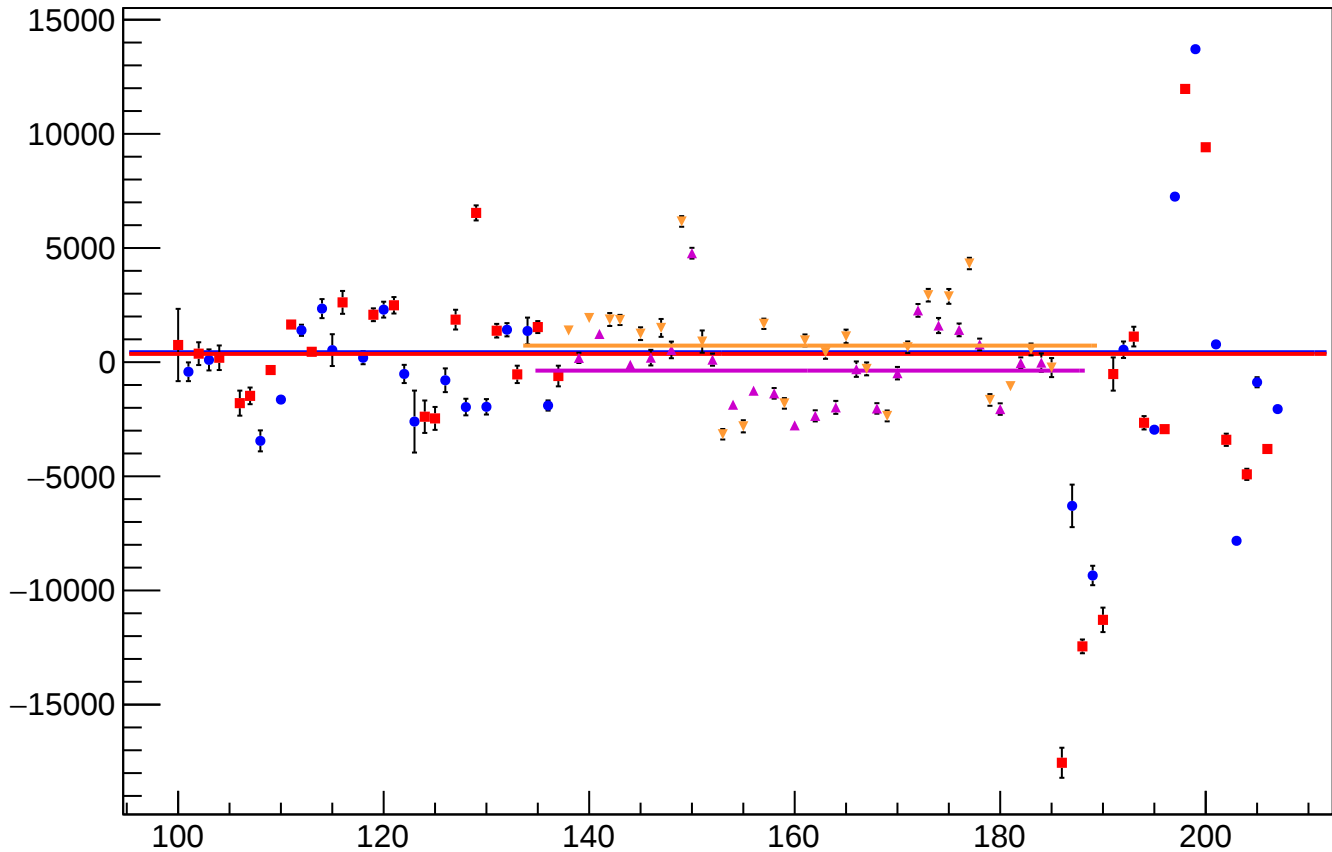
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 223.386 $\pm$ 0.031 χ^2 /NDF: 10663025.9/51

All: 216.007 $\pm$ 0.021 χ^2 /NDF: 20898640.4/10

- sign 209.482 $\pm$ 0.029 χ^2 /NDF: 10127529.5/53

asym_bpm0l10WS_mean vs Slug



Right In: 434.511 $\pm$ 56.494 χ^2 /NDF: 8436.9/26

Left Out: 725.250 $\pm$ 52.307 χ^2 /NDF:1883.1/24

Right Out: 362.798 $\pm$ 54.880 χ^2 /NDF: 9977.2/30

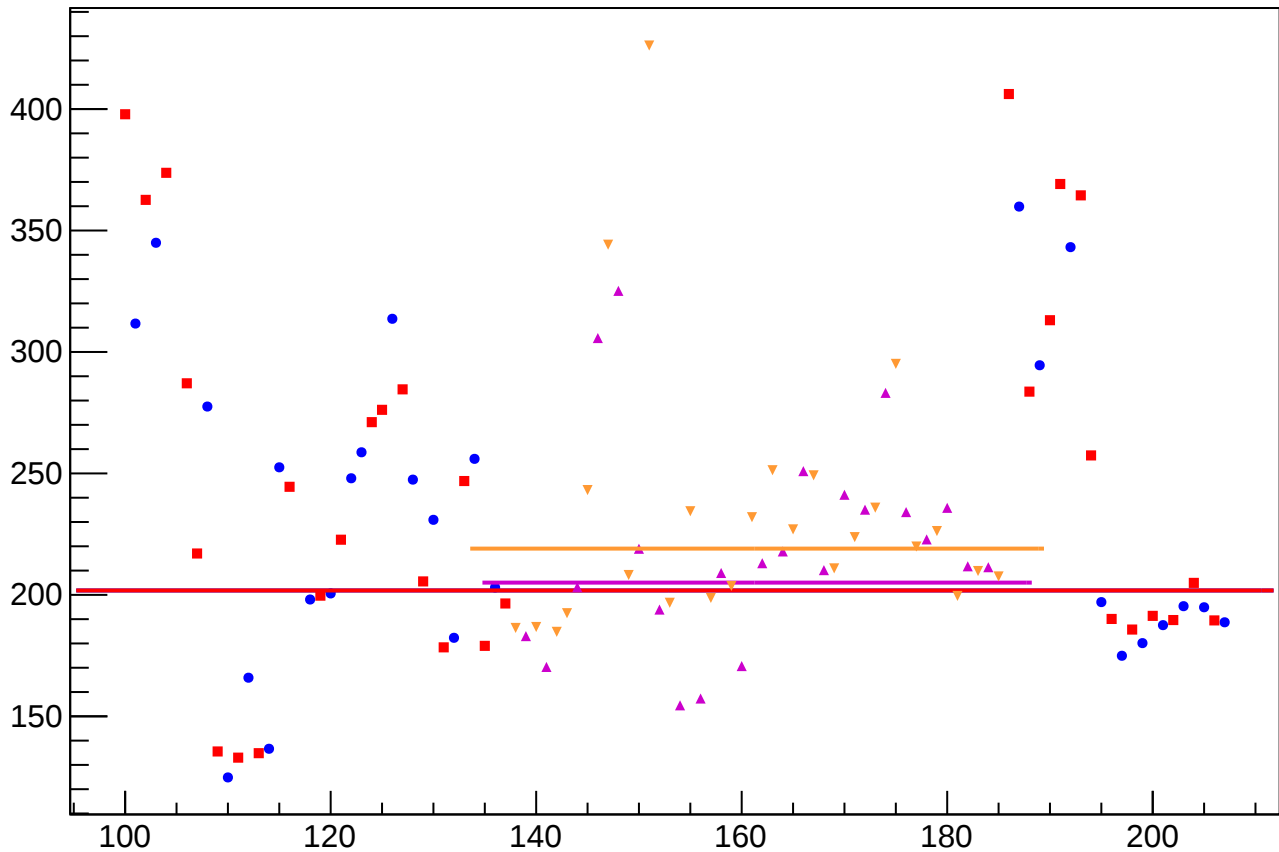
Left In: -370.408 $\pm$ 50.884 χ^2 /NDF:1223.2/22

+ sign 591.052 $\pm$ 38.382 χ^2 /NDF: 10334.2/51

All: 271.010 $\pm$ 26.754 χ^2 /NDF: 21765.9/105

- sign -31.468 $\pm$ 37.314 χ^2 /NDF: 11296.4/53

asym_bpm0l10WS_rms vs Slug



Right In: 201.812 ± 0.040 χ^2/NDF : 1483549.0/26

Left Out: 219.049 ± 0.037 χ^2/NDF : 975564.4/24

Right Out: 201.818 ± 0.039 χ^2/NDF : 2295240.5/30

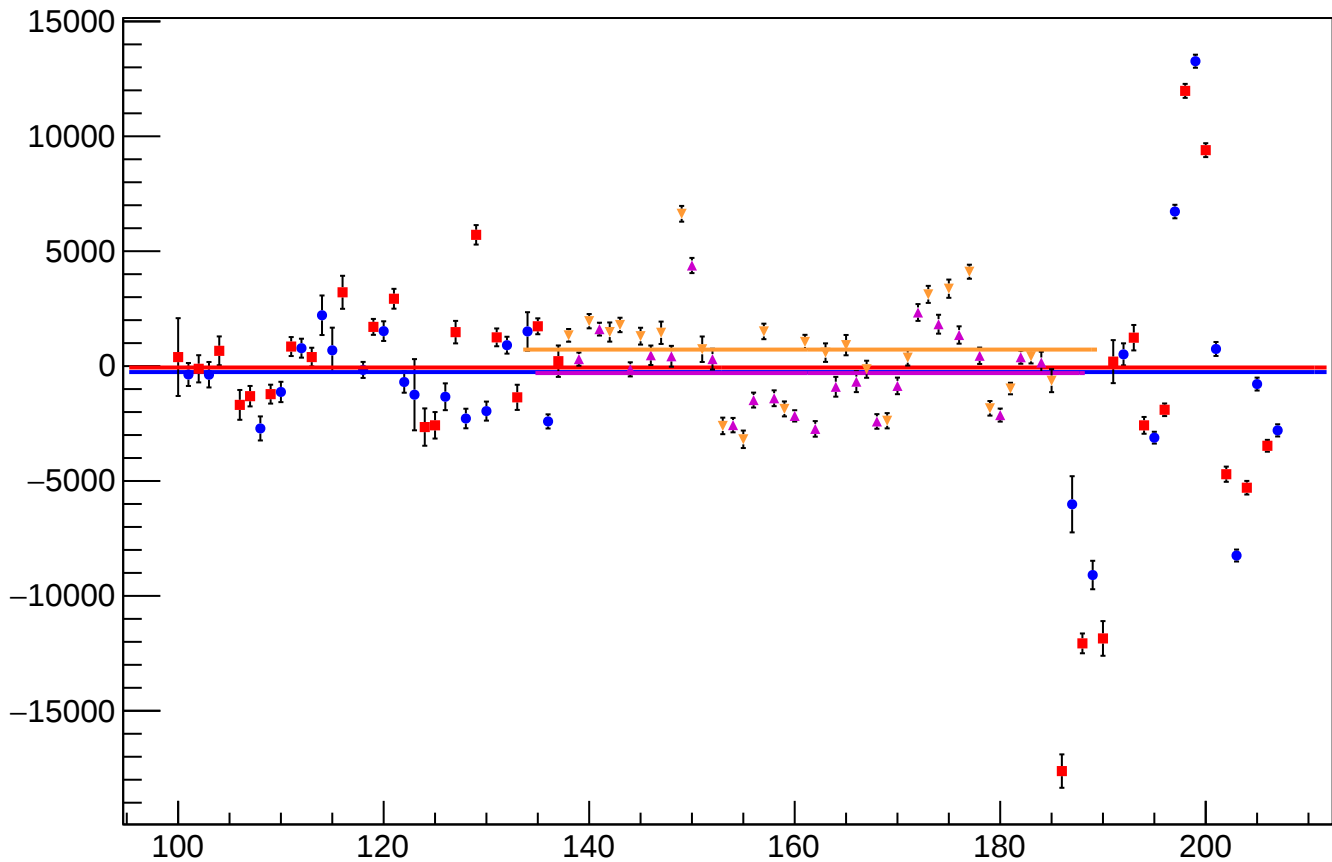
Left In: 205.046 ± 0.036 χ^2/NDF : 1144197.1/22

+ sign 211.093 ± 0.027 χ^2/NDF : 2559350.2/51

All: 207.217 ± 0.019 χ^2/NDF : 6042177.3/105

- sign 203.554 ± 0.026 χ^2/NDF : 3443159.3/53

asym_bpm0r03WS_mean vs Slug



Right In: -260.412 ± 75.413 $\chi^2/\text{NDF}: 4389.0/26$

Left Out: 718.705 ± 69.601 $\chi^2/\text{NDF}: 1018.5/24$

Right Out: -60.343 ± 76.052 $\chi^2/\text{NDF}: 5322.4/30$

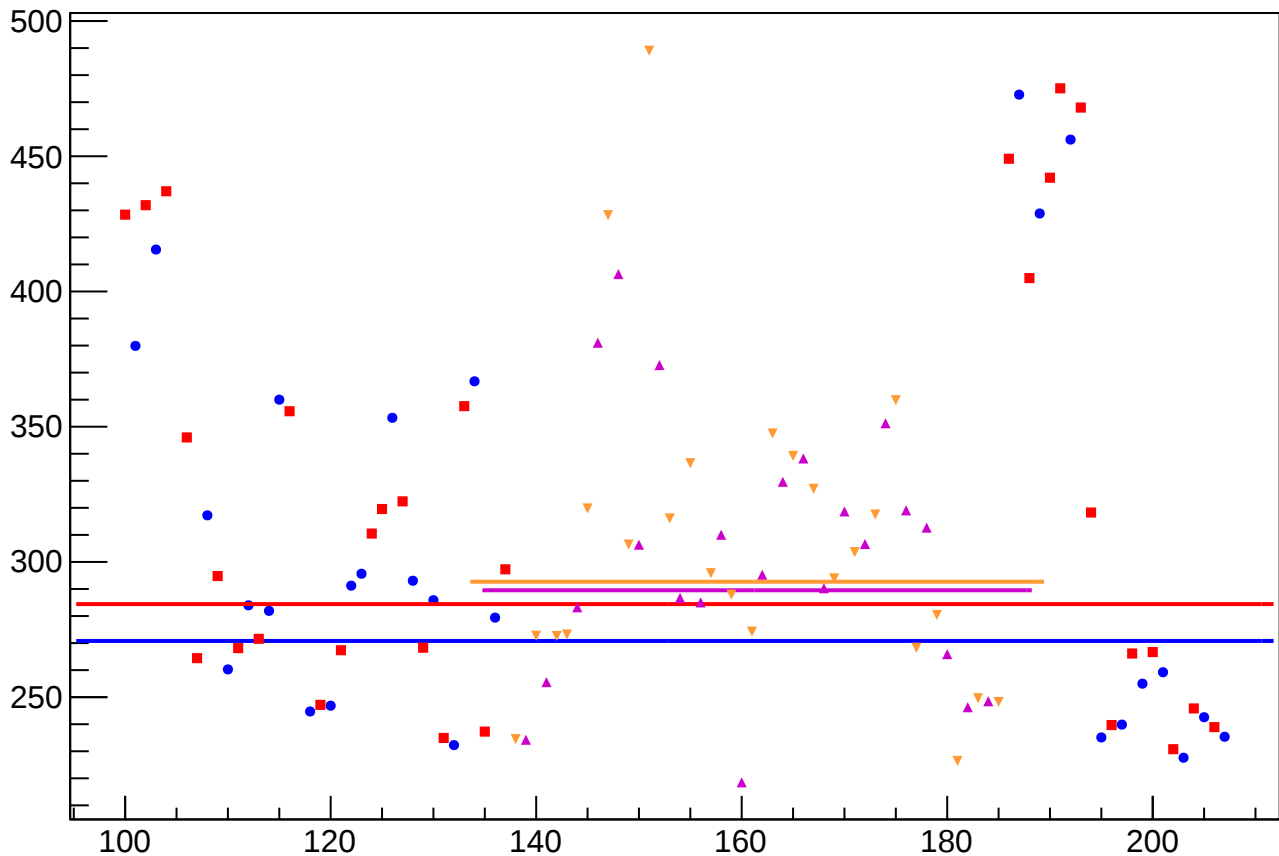
Left In: -304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

+ sign 268.331 ± 51.147 $\chi^2/\text{NDF}: 5498.6/51$

All: 42.097 ± 36.423 $\chi^2/\text{NDF}: 11509.7/105$

- sign -190.691 ± 51.882 $\chi^2/\text{NDF}: 5971.4/53$

asym_bpm0r03WS_rms vs Slug



Right In: 270.791+/-0.053 χ^2/NDF : 1051400.8/26

Left Out: 292.686+/-0.049 χ^2/NDF : 925193.6/24

Right Out: 284.415+/-0.054 χ^2/NDF : 1344321.8/30

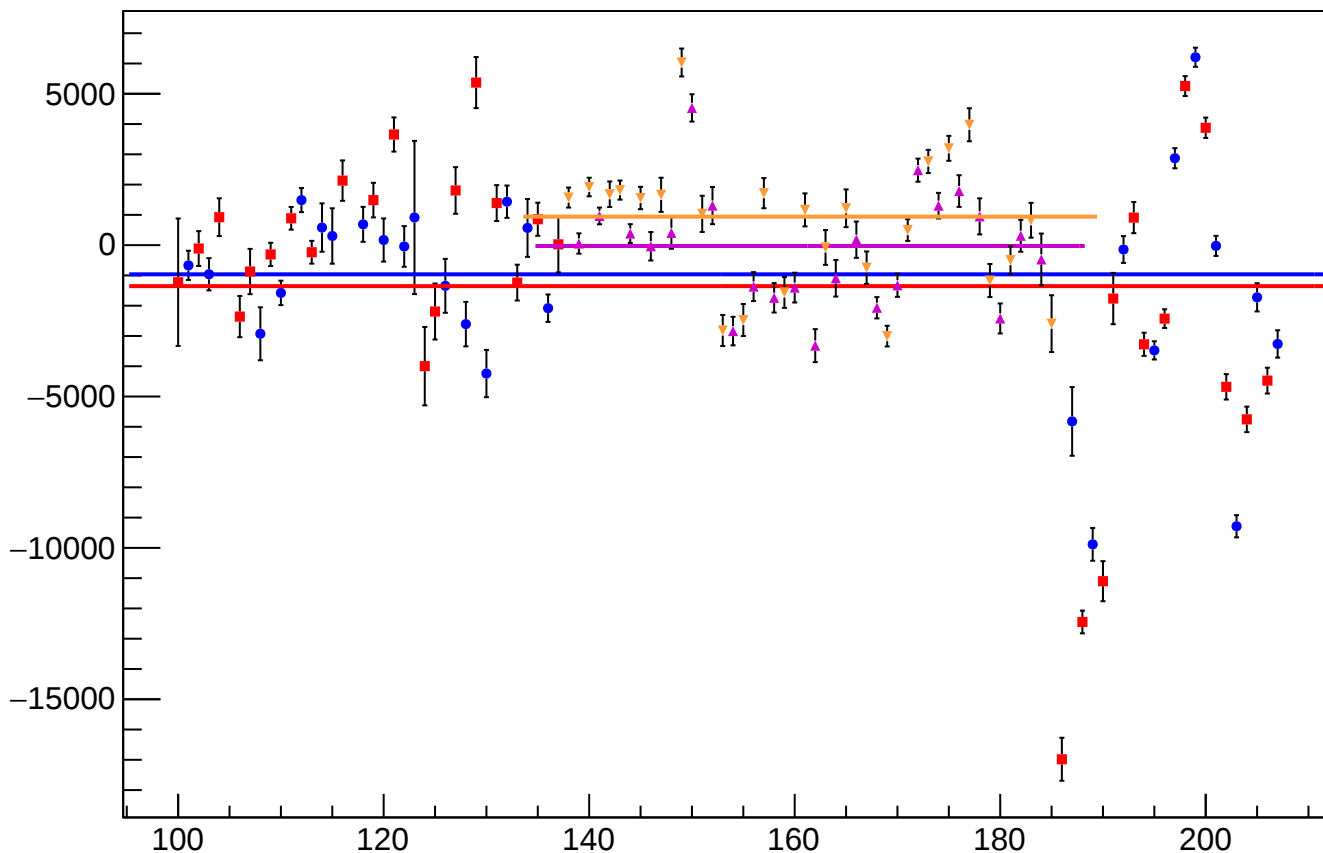
Left In: 289.522+/-0.050 χ^2/NDF : 777901.0/22

+ sign 282.615+/-0.036 χ^2/NDF : 2067629.3/51

All: 284.848+/-0.026 χ^2/NDF : 4202405.9/105

- sign 287.145+/-0.037 χ^2/NDF : 2127042.9/53

asym_bpm0r05WS_mean vs Slug



Right In: -963.670 ± 94.755 $\chi^2/\text{NDF}: 1677.8/26$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -1354.282 ± 90.137 $\chi^2/\text{NDF}: 2833.7/30$

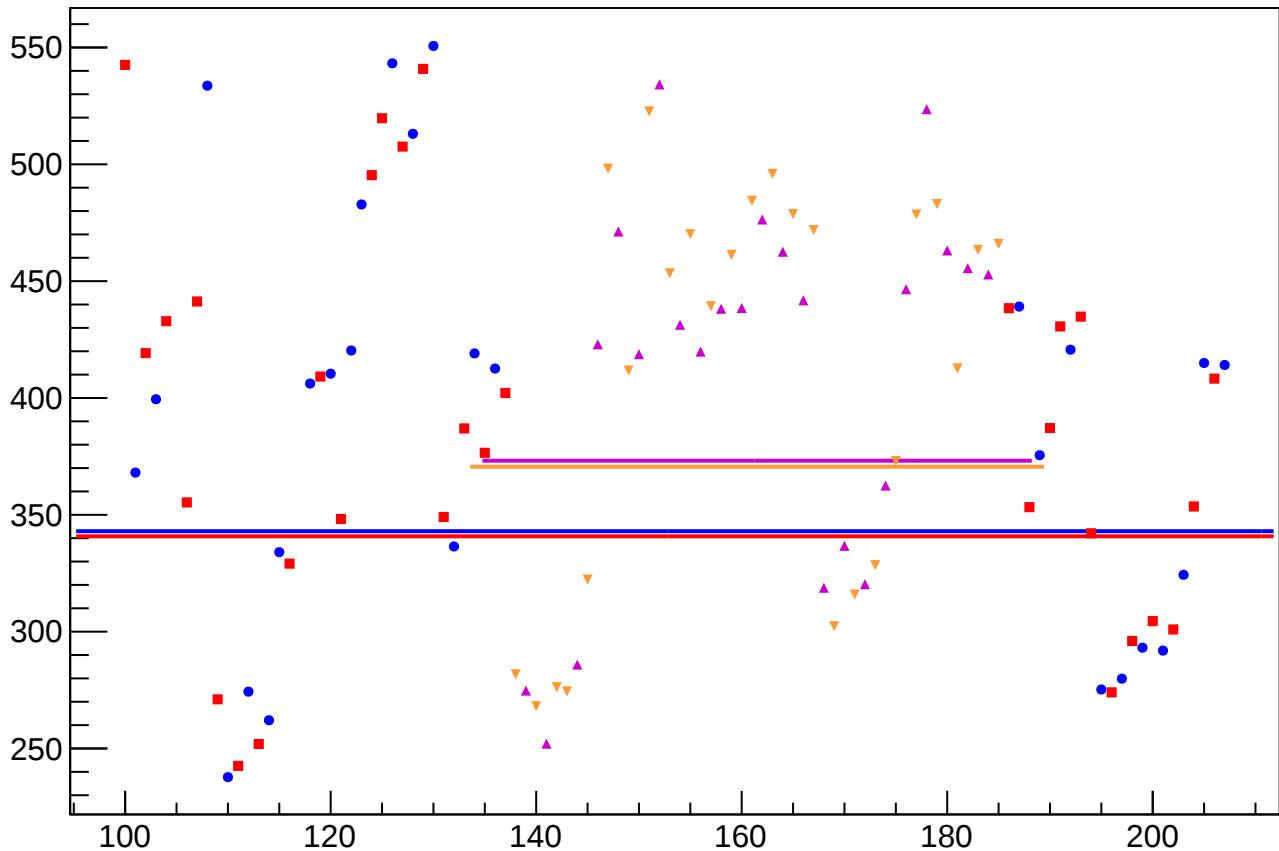
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign 47.306 ± 64.918 $\chi^2/\text{NDF}: 2436.9/51$

All: -332.277 ± 45.755 $\chi^2/\text{NDF}: 5806.7/105$

- sign -706.971 ± 64.498 $\chi^2/\text{NDF}: 3301.9/53$

asym_bpm0r05WS_rms vs Slug



Right In: 342.987+/-0.067 χ^2/NDF : 1280730.1/26

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 340.803+/-0.064 χ^2/NDF : 1183650.4/30

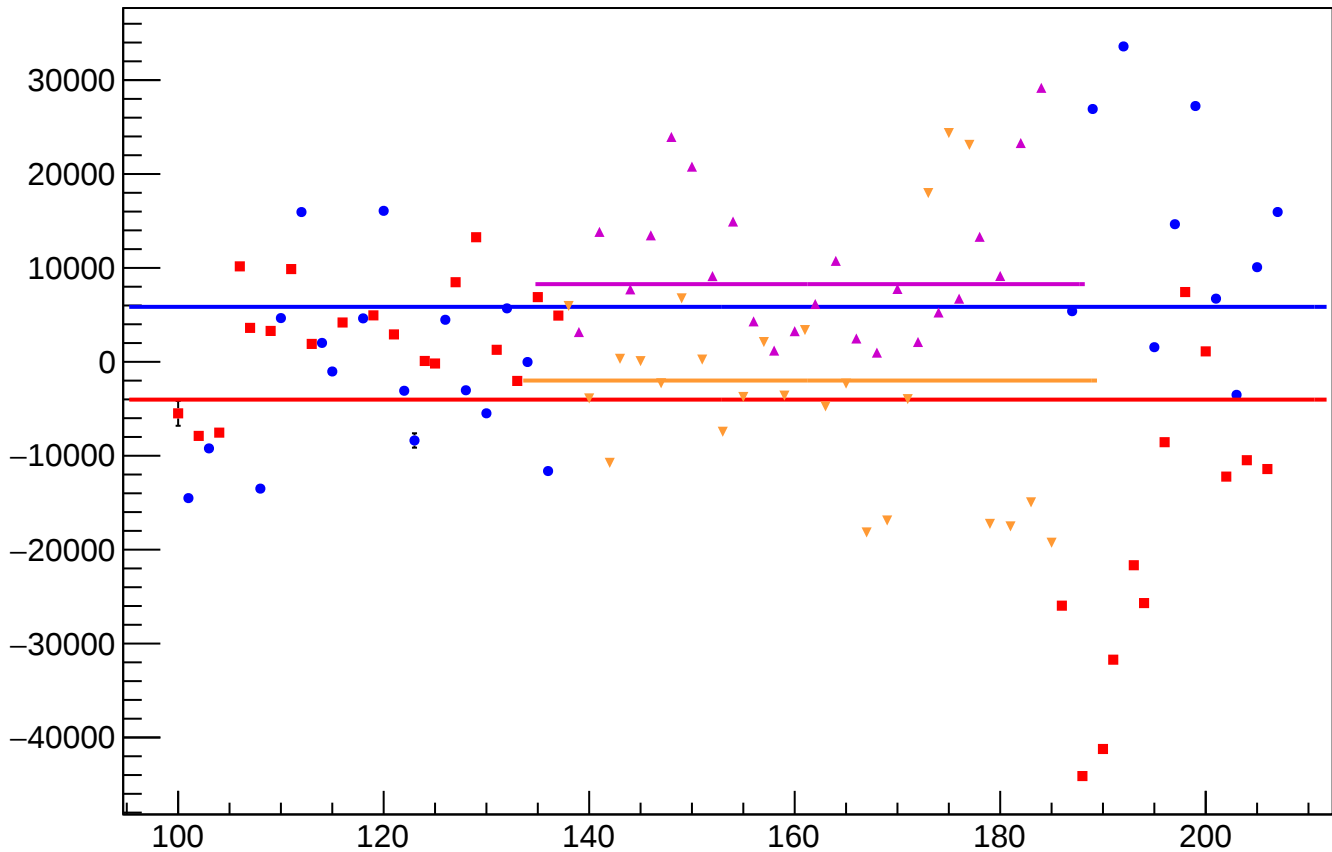
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 357.628+/-0.046 χ^2/NDF : 3248837.0/51

All: 357.107+/-0.032 χ^2/NDF : 6194756.2/105

- sign 356.593+/-0.046 χ^2/NDF : 2945663.1/53

asym_bpm0i02WS_mean vs Slug



Right In: 5855.175+/-42.640 χ^2/NDF : 89176.6/26

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -4023.041+/-40.528 χ^2/NDF : 134262.5/30

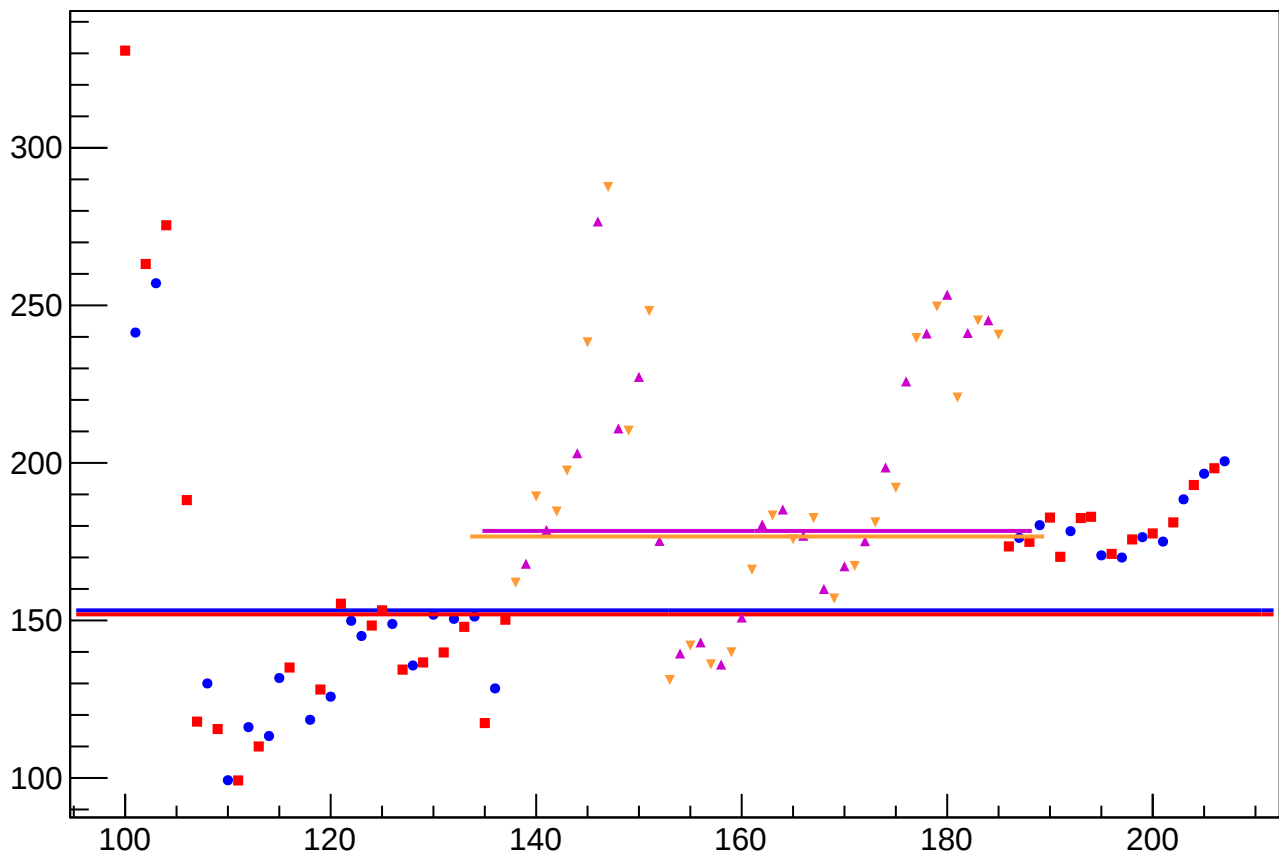
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 1911.998+/-30.075 χ^2/NDF : 169961.1/51

All: 1744.635+/-21.205 χ^2/NDF : 369095.6/10

- sign 1579.190+/-29.903 χ^2/NDF : 199073.0/53

asym_bpm0i02WS_rms vs Slug



Right In: 153.201+/-0.030 χ^2/NDF : 1250066.0/26

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 151.924+/-0.029 χ^2/NDF : 1530358.7/30

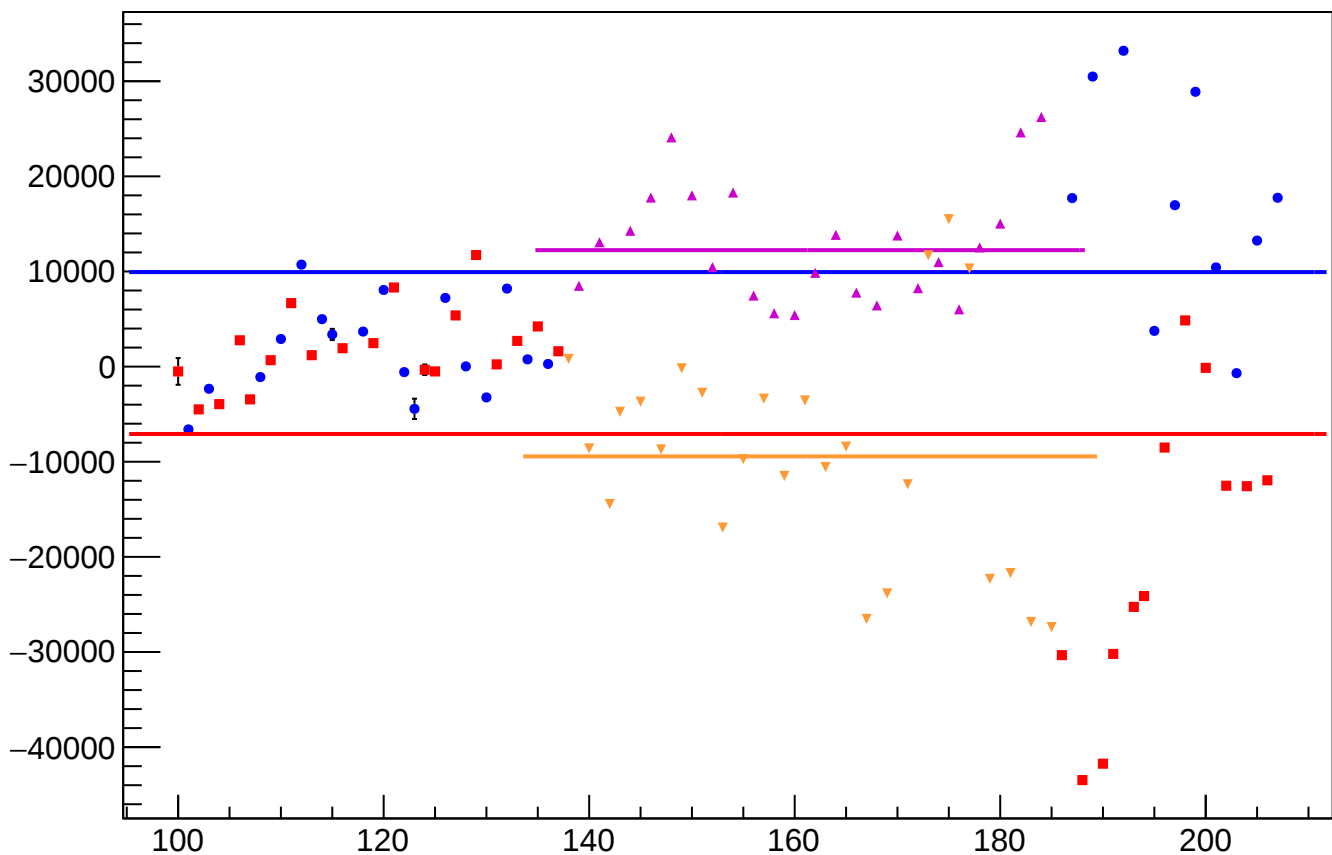
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 164.980+/-0.021 χ^2/NDF : 3104819.6/51

All: 164.483+/-0.015 χ^2/NDF : 6319256.8/105

- sign 163.993+/-0.021 χ^2/NDF : 3213354.8/53

asym_bpm0i02aWS_mean vs Slug



Right In: 9935.457+/-48.147 χ^2/NDF : 50419.6/26

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -7081.240+/-45.710 χ^2/NDF : 103613.1/30

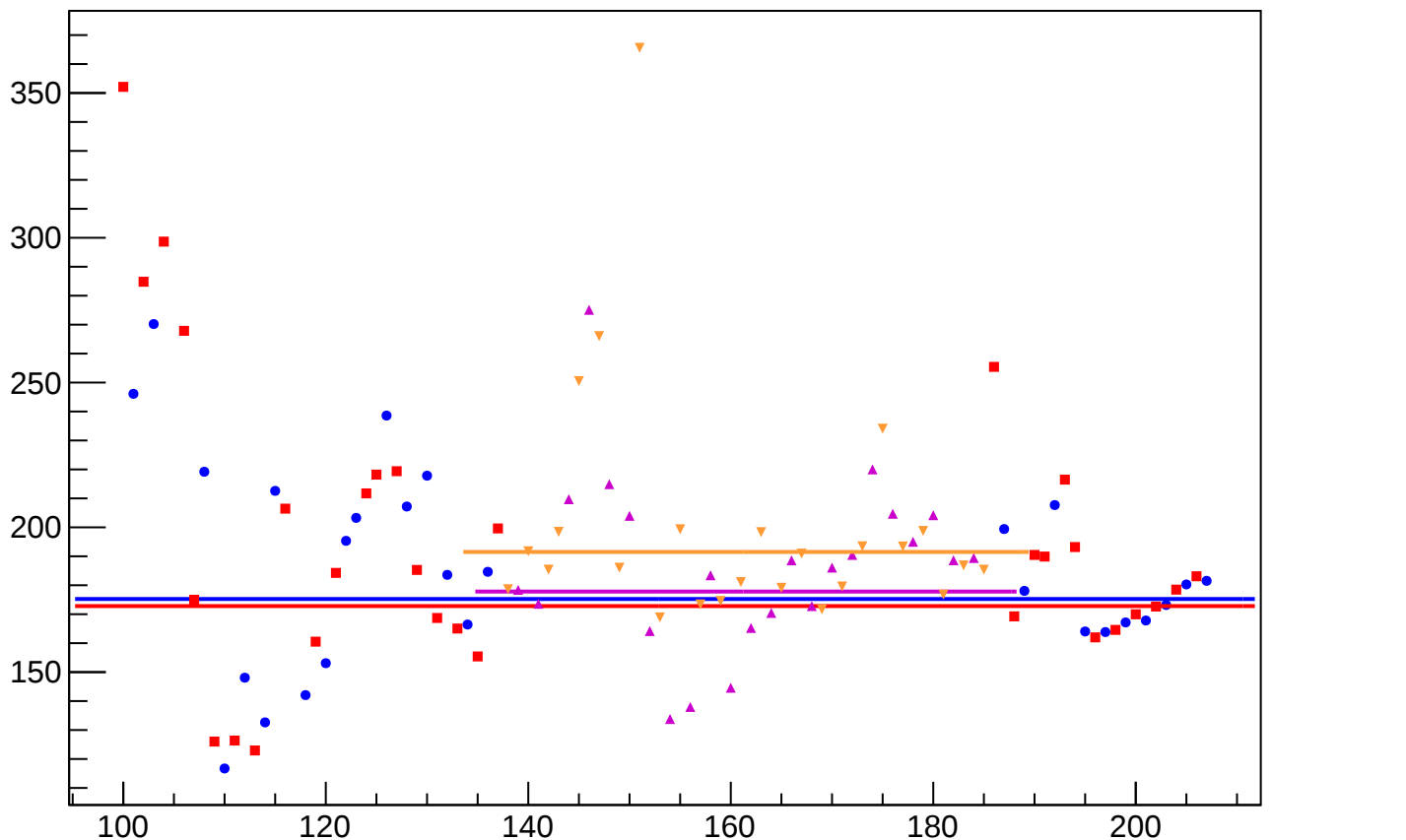
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -290.747+/-33.083 χ^2/NDF : 198103.0/51

All: 1405.541+/-22.881 χ^2/NDF : 416243.5/10

- sign 2960.983+/-31.679 χ^2/NDF : 213100.7/53

asym_bpm0i02aWS_rms vs Slug



Right In: 175.250 $\pm$ 0.034 χ^2 /NDF: 761824.9/26

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 172.808 $\pm$ 0.032 χ^2 /NDF: 1131650.6/30

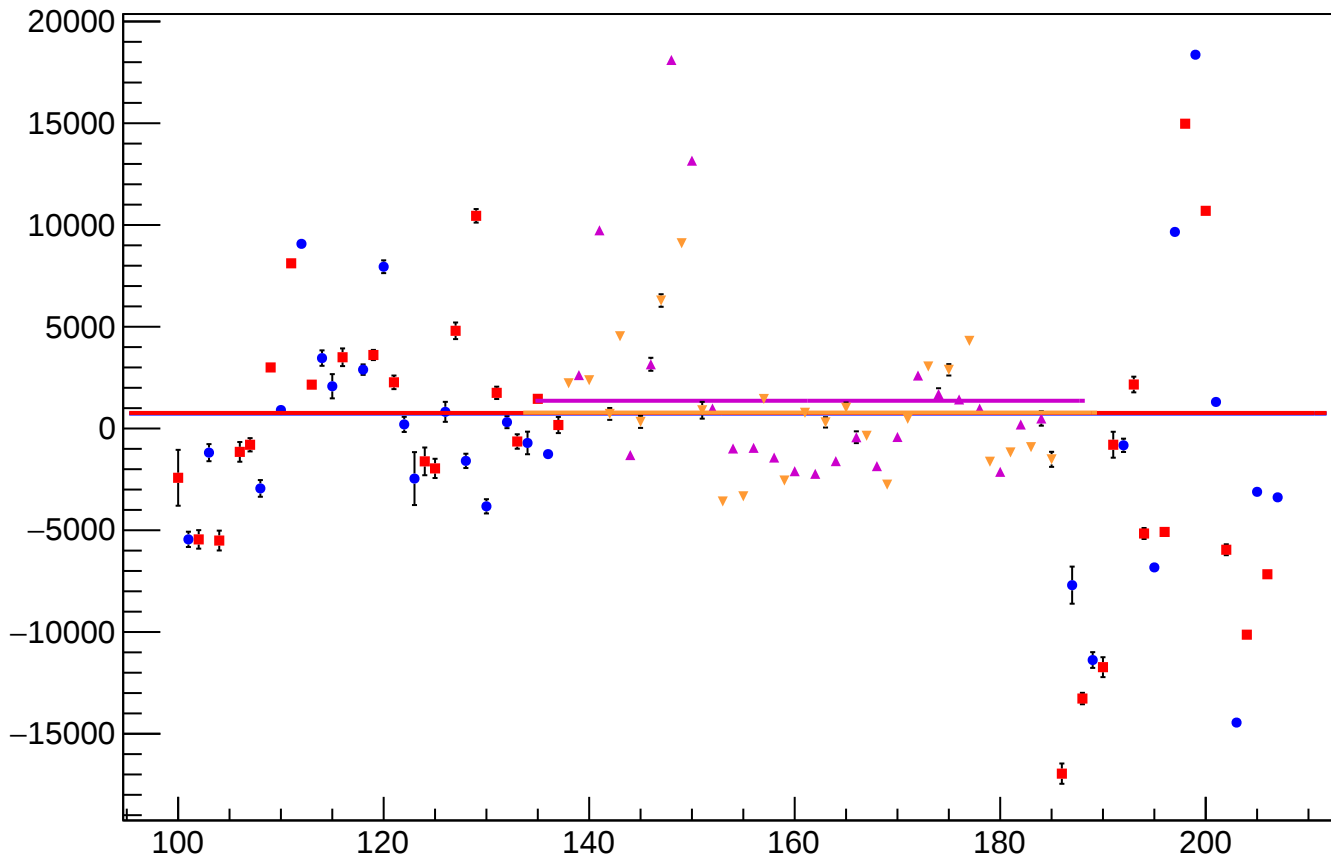
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 183.832 $\pm$ 0.023 χ^2 /NDF: 1609432.1/51

All: 179.440 $\pm$ 0.016 χ^2 /NDF: 3683636.4/105

- sign 175.413 $\pm$ 0.022 χ^2 /NDF: 2006649.4/53

asym_bpm0i05WS_mean vs Slug



Right In: 734.473 $\pm$ 54.145 χ^2 /NDF: 20337.9/26

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: 765.096 $\pm$ 51.727 χ^2 /NDF: 20346.1/30

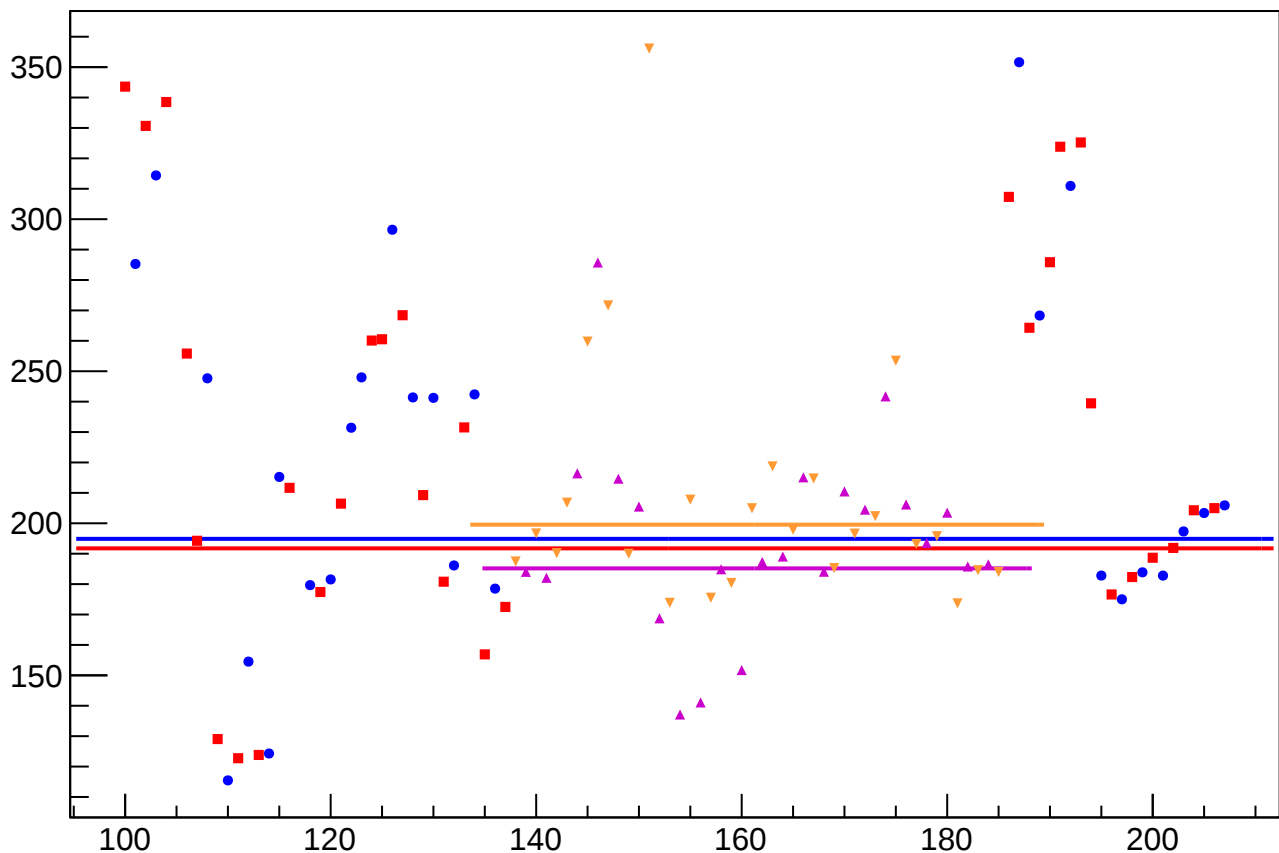
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 760.211 $\pm$ 35.689 χ^2 /NDF: 24599.0/51

All: 937.002 $\pm$ 24.728 χ^2 /NDF: 56700.1/105

- sign 1100.234 $\pm$ 34.293 χ^2 /NDF: 32053.8/53

asym_bpm0i05WS_rms vs Slug



Right In: 194.885 $\pm$ 0.038 χ^2 /NDF: 1415381.8/26

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 191.752 $\pm$ 0.037 χ^2 /NDF: 2142233.6/30

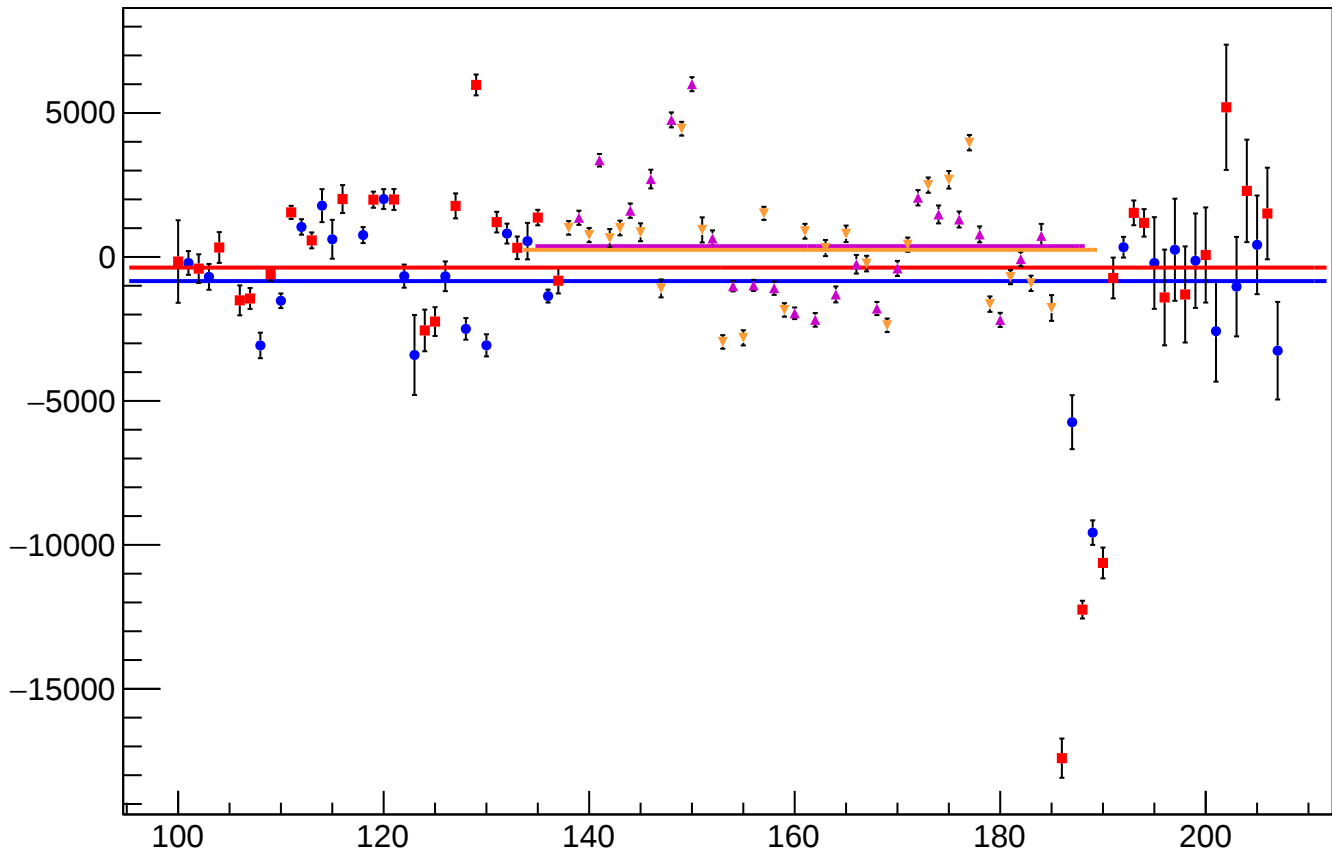
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 197.521 $\pm$ 0.025 χ^2 /NDF: 2153122.2/51

All: 192.604 $\pm$ 0.017 χ^2 /NDF: 5269289.0/105

- sign 188.063 $\pm$ 0.024 χ^2 /NDF: 3043134.3/53

asym_bpm0i07WS_mean vs Slug



Right In: -838.236 ± 83.440 χ^2/NDF : 763.7/26

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -368.996 ± 74.990 χ^2/NDF : 3172.8/30

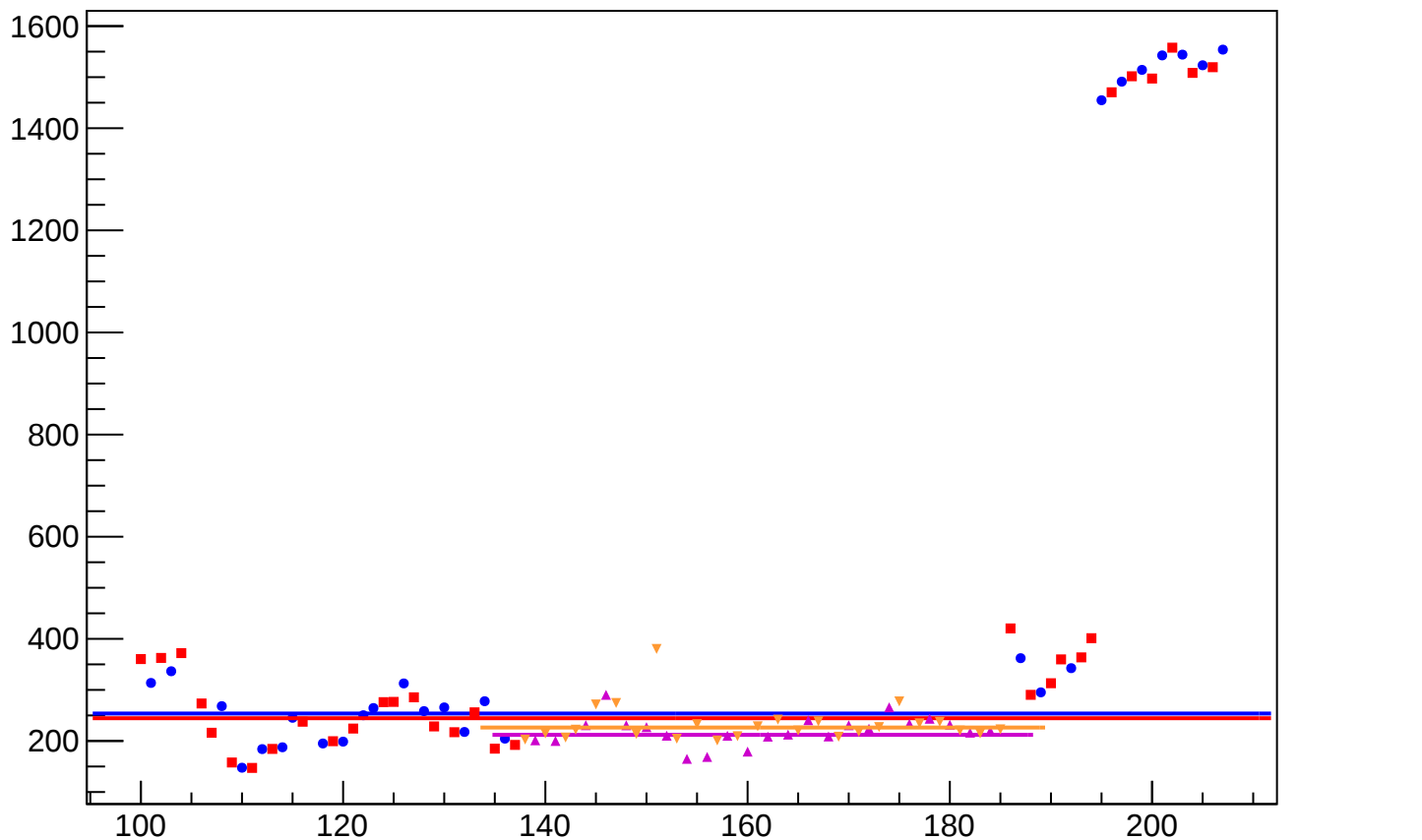
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -69.033 ± 45.070 χ^2/NDF : 2238.8/51

All: 37.043 ± 31.020 χ^2/NDF : 7289.4/105

- sign 132.517 ± 42.759 χ^2/NDF : 5040.1/53

asym_bpm0i07WS_rms vs Slug



Right In: 253.726 $\pm$ 0.059 χ^2 /NDF: 8842640.0/26

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 244.547 $\pm$ 0.053 χ^2 /NDF: 8269831.4/30

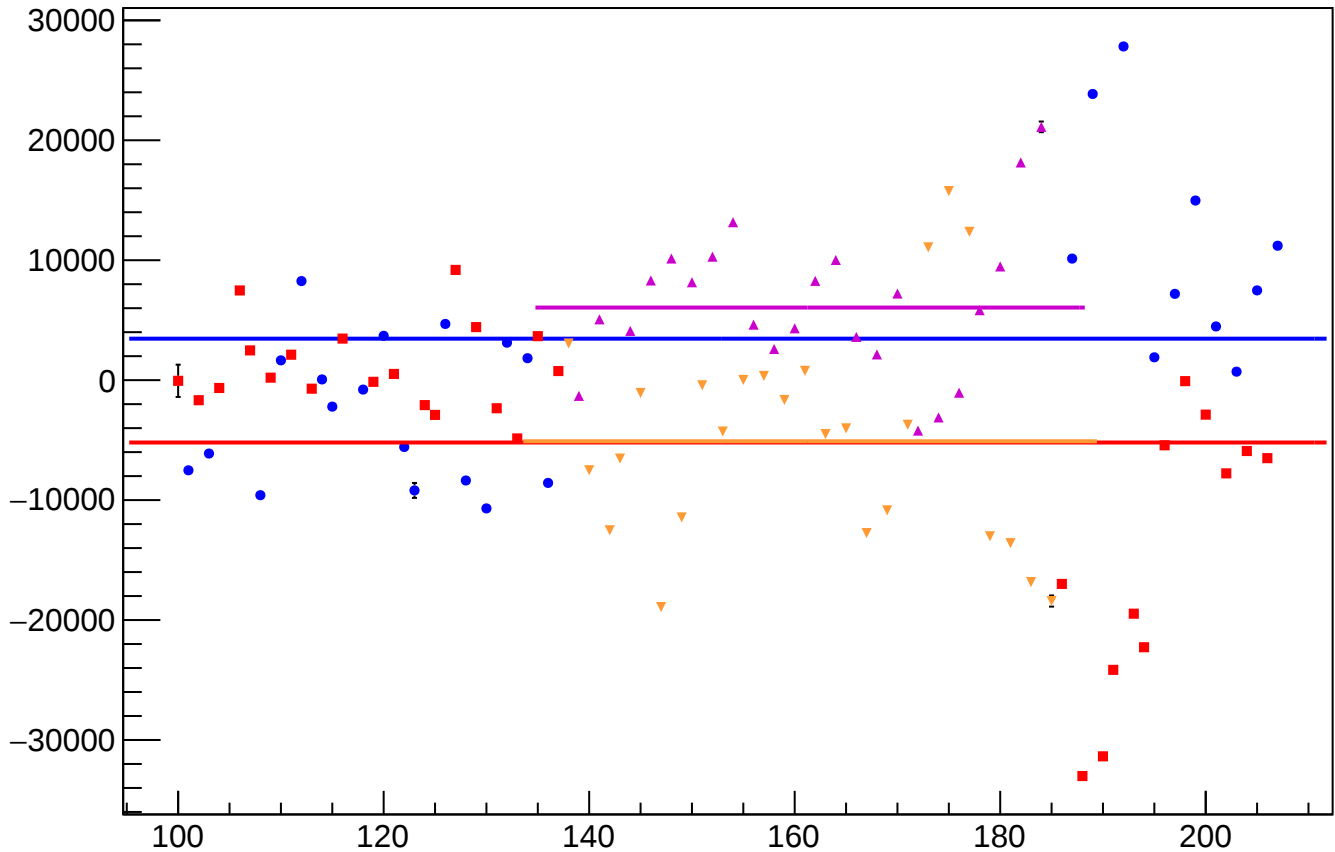
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 234.317 $\pm$ 0.032 χ^2 /NDF: 9516476.9/51

All: 228.130 $\pm$ 0.022 χ^2 /NDF: 18696985.5/10

- sign 222.562 $\pm$ 0.030 χ^2 /NDF: 9108895.3/53

asym_bpm1i02WS_mean vs Slug



Right In: 3458.637 $\pm$ 36.240 χ^2 /NDF: 75753.4/26

Left Out: -5095.305 $\pm$ 33.703 χ^2 /NDF: 54395.4/24

Right Out: -5198.497 $\pm$ 34.151 χ^2 /NDF: 101070.7/30

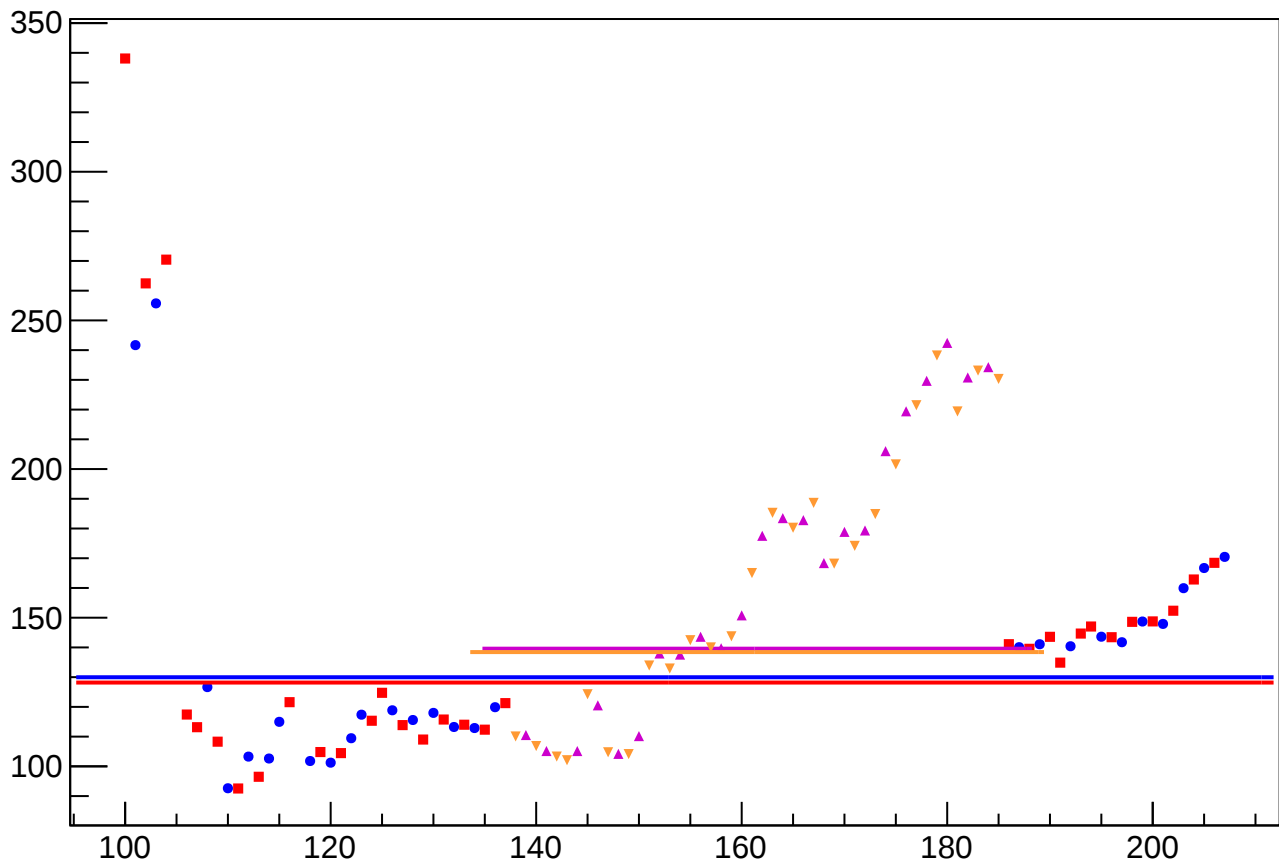
Left In: 6053.569 $\pm$ 34.998 χ^2 /NDF: 17590.3/22

+ sign -1128.144 $\pm$ 24.680 χ^2 /NDF: 160023.0/51

All: -412.326 $\pm$ 17.367 χ^2 /NDF: 333298.8/10

- sign 289.783 $\pm$ 24.443 χ^2 /NDF: 171609.4/53

asym_bpm1i02WS_rms vs Slug



Right In: 129.969+/-0.026 χ^2/NDF : 1244211.1/26

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 128.185+/-0.024 χ^2/NDF : 1360974.7/30

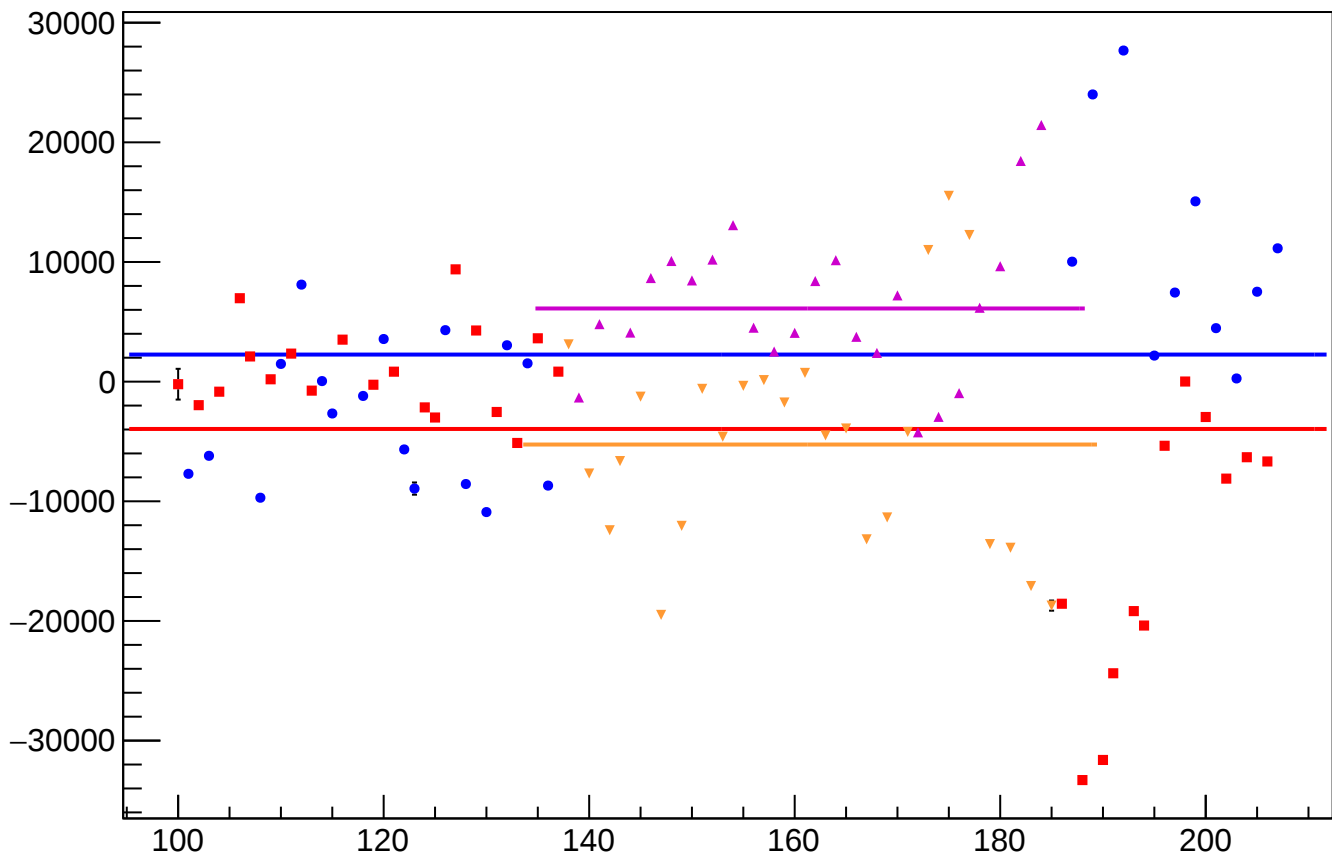
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 134.509+/-0.017 χ^2/NDF : 3852183.2/51

All: 134.122+/-0.012 χ^2/NDF : 7736350.2/105

- sign 133.742+/-0.017 χ^2/NDF : 3883191.9/53

asym_bpm1i04WS_mean vs Slug



Right In: 2262.928 $\pm$ 32.315 χ^2 /NDF: 84400.9/26

Left Out: -5255.652 $\pm$ 30.622 χ^2 /NDF:64324.6/24

Right Out: -3954.318 $\pm$ 30.647 χ^2 /NDF: 108585.0/30

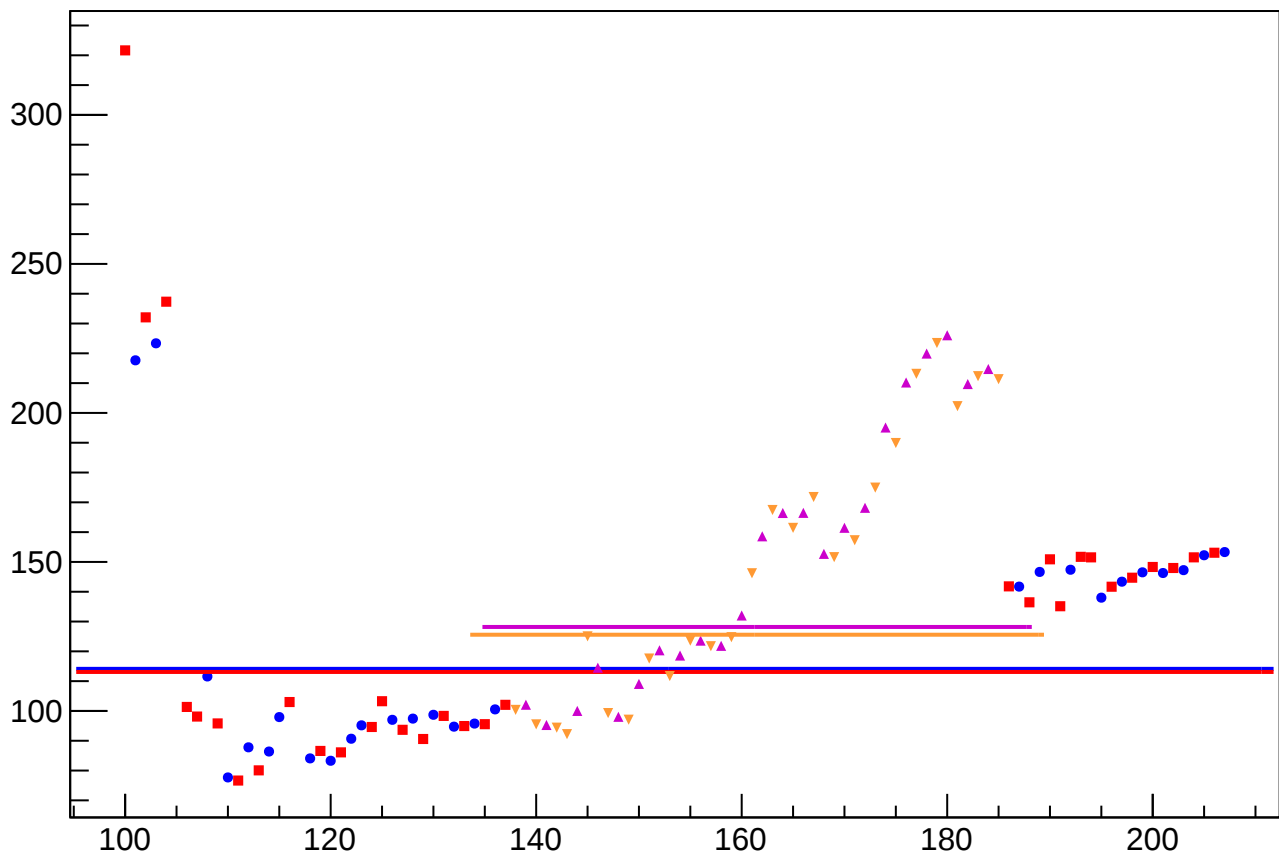
Left In: 6114.901 $\pm$ 32.126 χ^2 /NDF:21260.9/22

+ sign -1698.433 $\pm$ 22.227 χ^2 /NDF: 177247.6/51

All: -424.625 $\pm$ 15.699 χ^2 /NDF: 365079.9/10

- sign 843.177 $\pm$ 22.175 χ^2 /NDF: 181279.3/53

asym_bpm1i04WS_rms vs Slug



Right In: 114.126+/-0.023 χ^2/NDF : 1897047.0/26

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 113.086+/-0.022 χ^2/NDF : 2156137.7/30

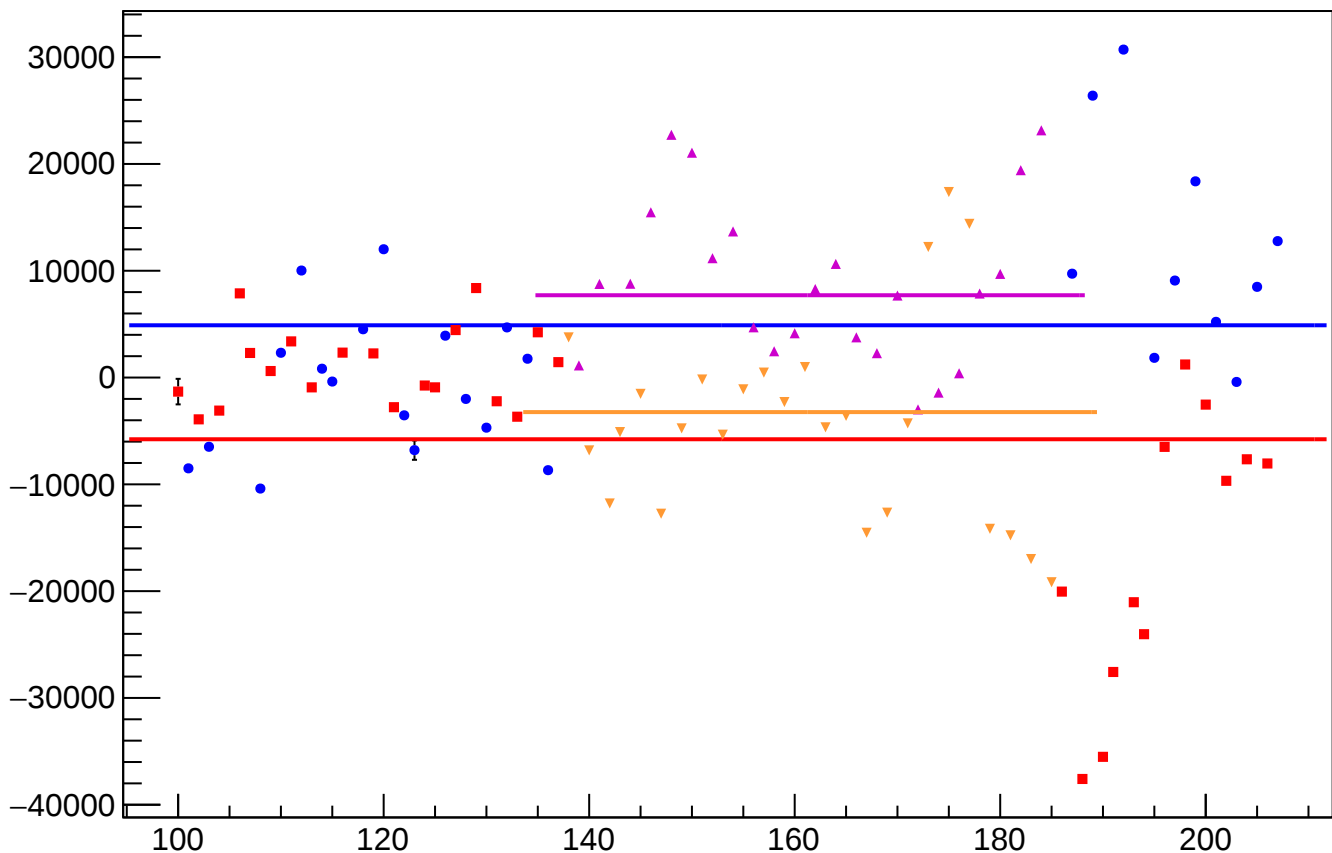
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 120.159+/-0.016 χ^2/NDF : 4625134.2/51

All: 120.219+/-0.011 χ^2/NDF : 9345531.2/105

- sign 120.279+/-0.016 χ^2/NDF : 4720367.7/53

asym_bpm1i06WS_mean vs Slug



Right In: 4893.931+/-42.869 χ^2/NDF : 60029.8/26

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -5778.378+/-40.523 χ^2/NDF : 90553.8/30

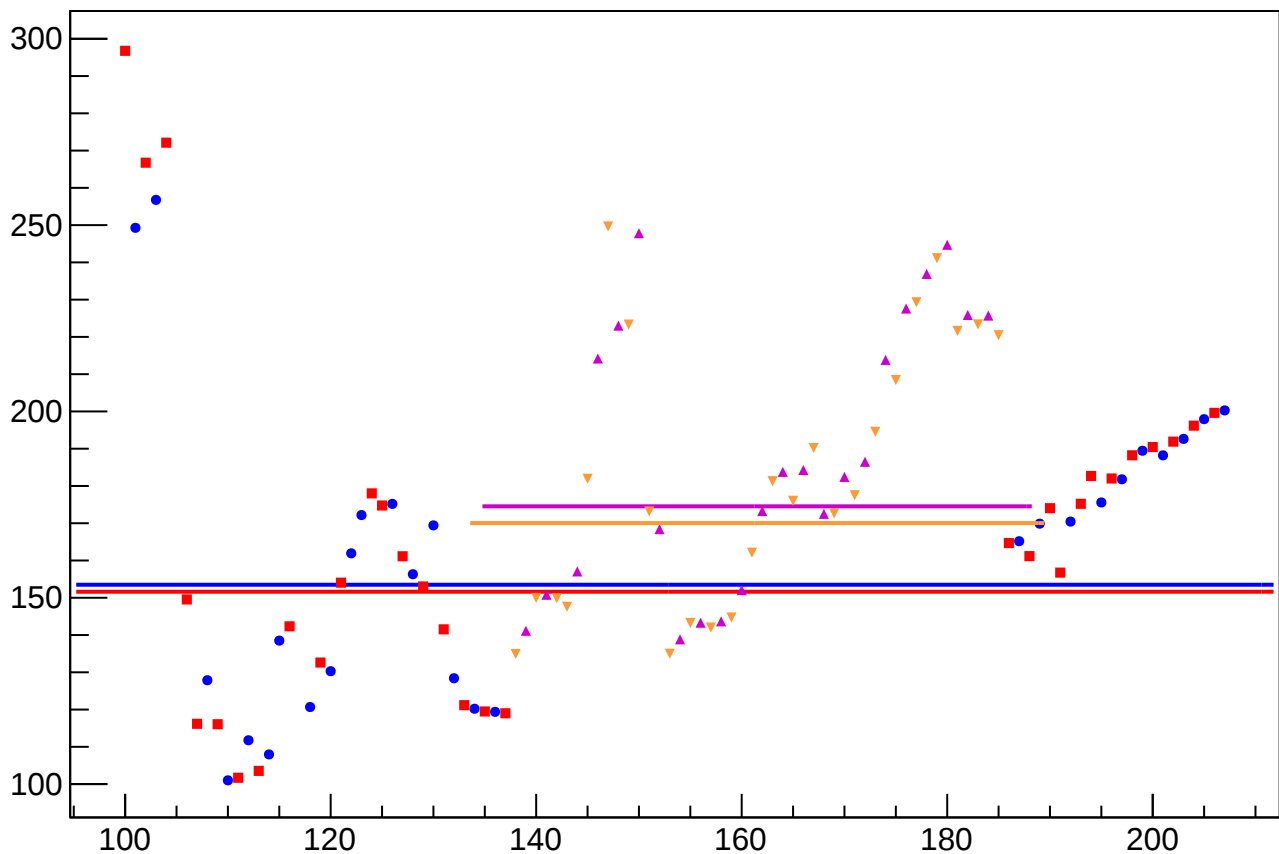
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 606.976+/-29.471 χ^2/NDF : 115732.2/51

All: 586.687+/-20.845 χ^2/NDF : 279659.4/105

- sign 566.375+/-29.488 χ^2/NDF : 163926.3/53

asym_bpm1i06WS_rms vs Slug



Right In: 153.496 $\pm$ 0.030 χ^2/NDF : 1475903.9/26

Left Out: 170.050 $\pm$ 0.029 χ^2/NDF : 1240866.9/24

Right Out: 151.623 $\pm$ 0.029 χ^2/NDF : 1639459.5/30

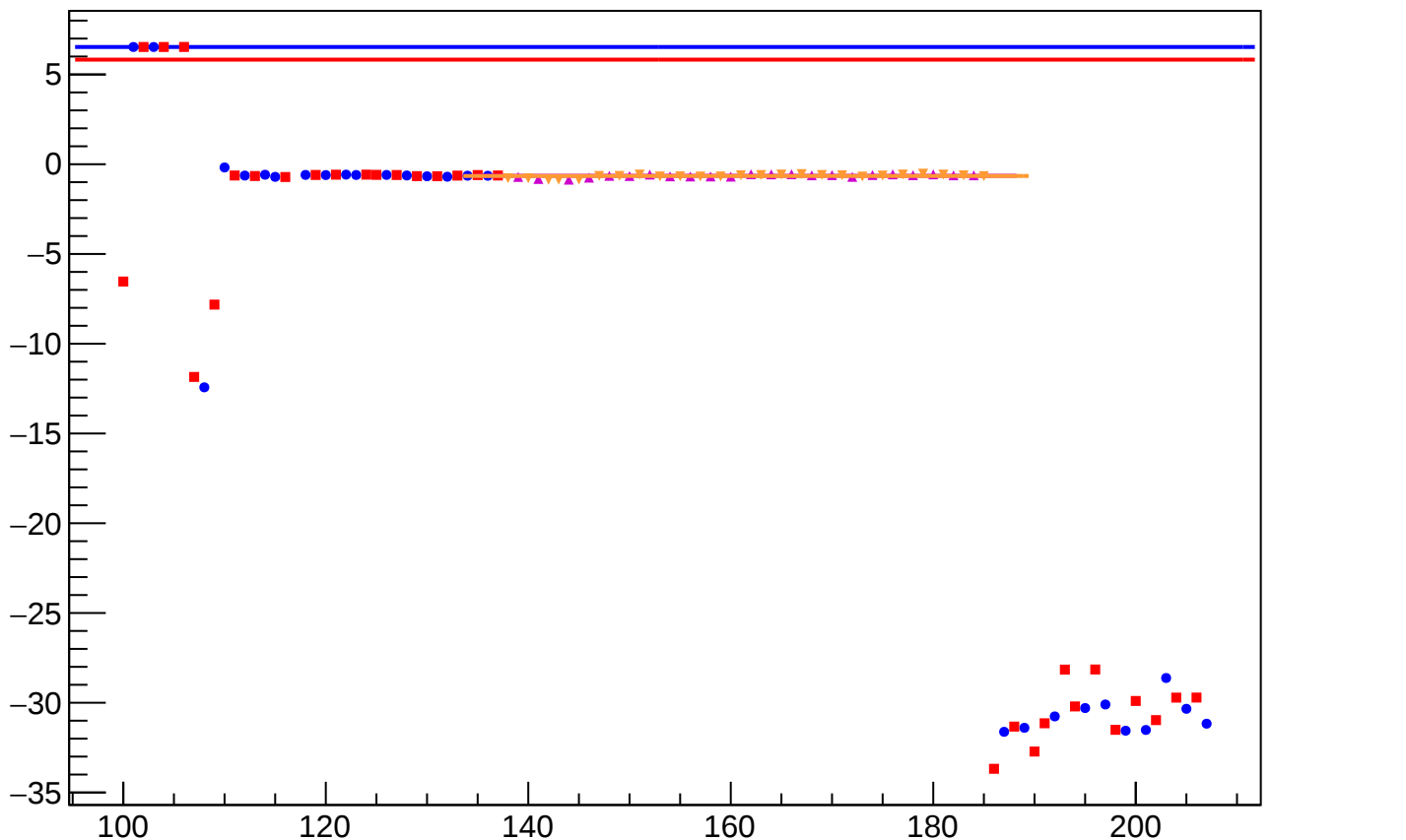
Left In: 174.539 $\pm$ 0.030 χ^2/NDF : 1210071.2/22

+ sign 162.226 $\pm$ 0.021 χ^2/NDF : 2874046.7/51

All: 162.315 $\pm$ 0.015 χ^2/NDF : 6024540.6/105

- sign 162.405 $\pm$ 0.021 χ^2/NDF : 3150457.0/53

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 128087176863.3/26

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947893243945.9/30

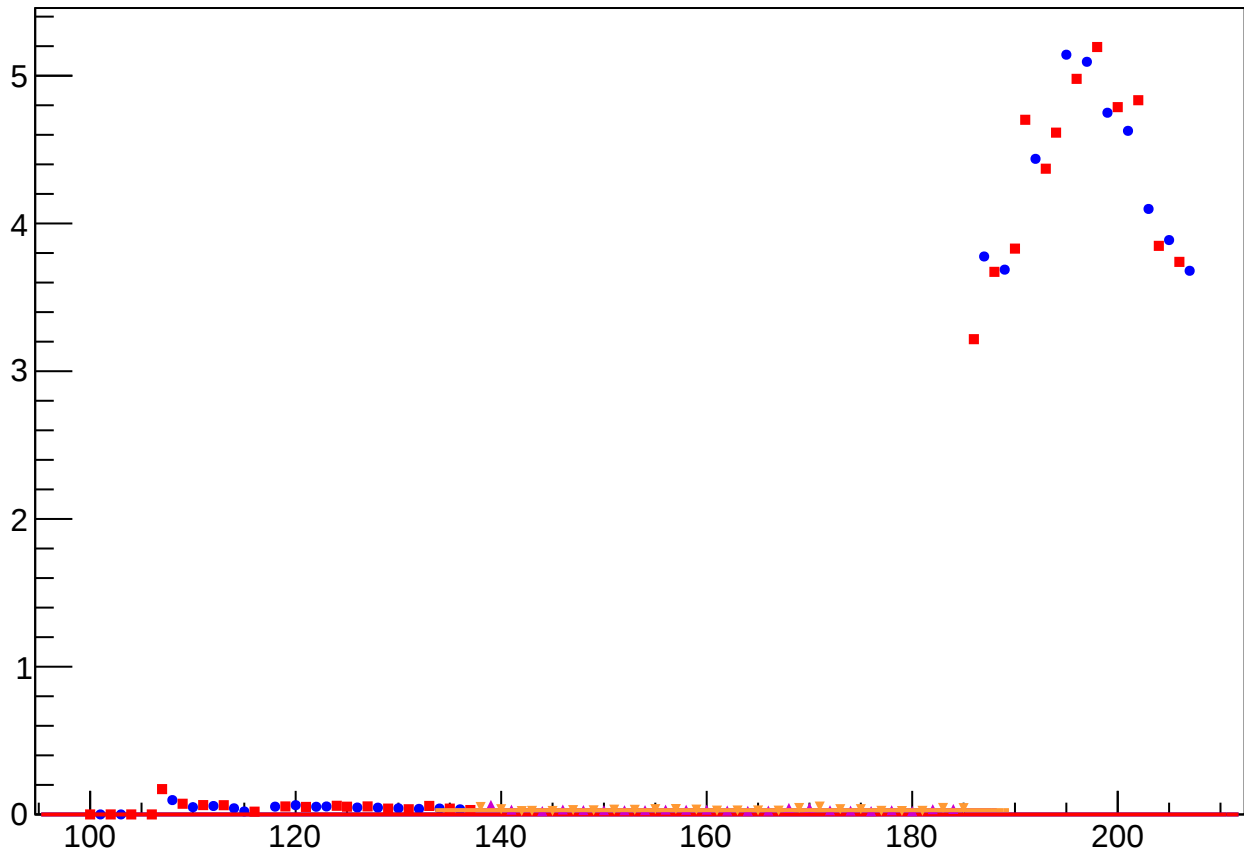
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 999476439510.2/51

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77760251740012

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756619237837132.1/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 22948538.4/26

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 24929397.8/30

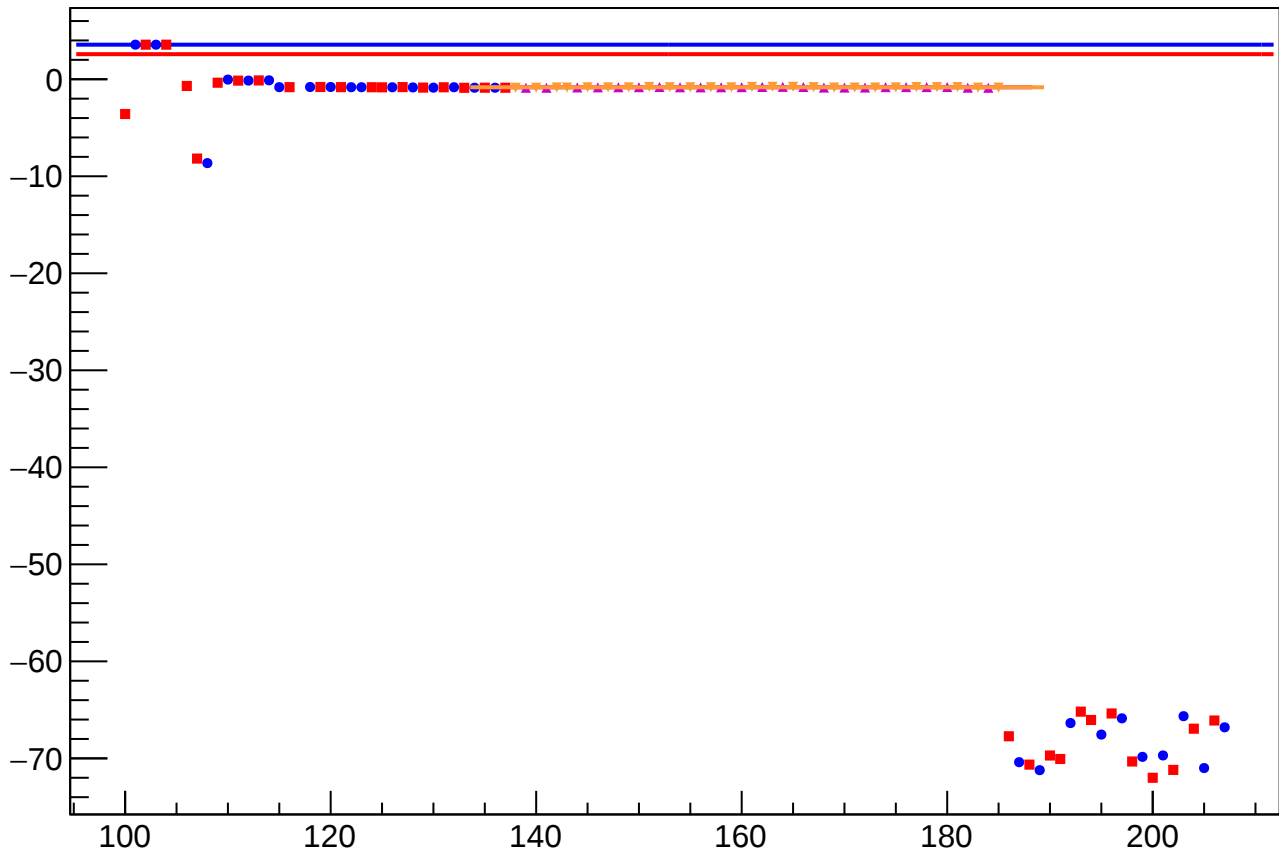
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 52819915.9/51

All: 0.000+/-0.000 χ^2/NDF : 105715679.7/105

- sign 0.000+/-0.000 χ^2/NDF : 52895078.9/53

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 511547691936.0/26

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253533783353776.2/30

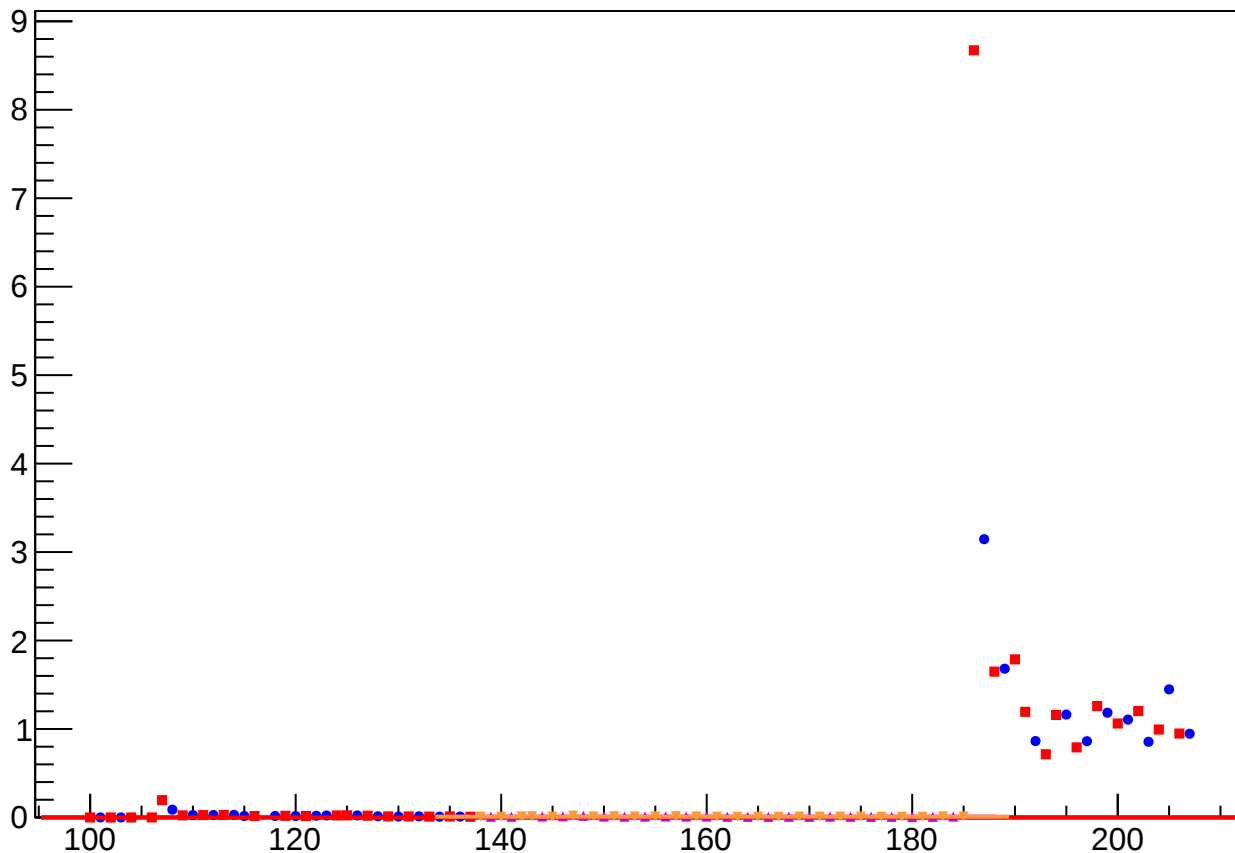
Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4193702610338.0/51

All: 3.038+/-0.000 χ^2/NDF : 13880029828768.0/101

- sign 2.581+/-0.000 χ^2/NDF : 1255733834958311.0/101

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 21339912.3/26

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23066551.2/30

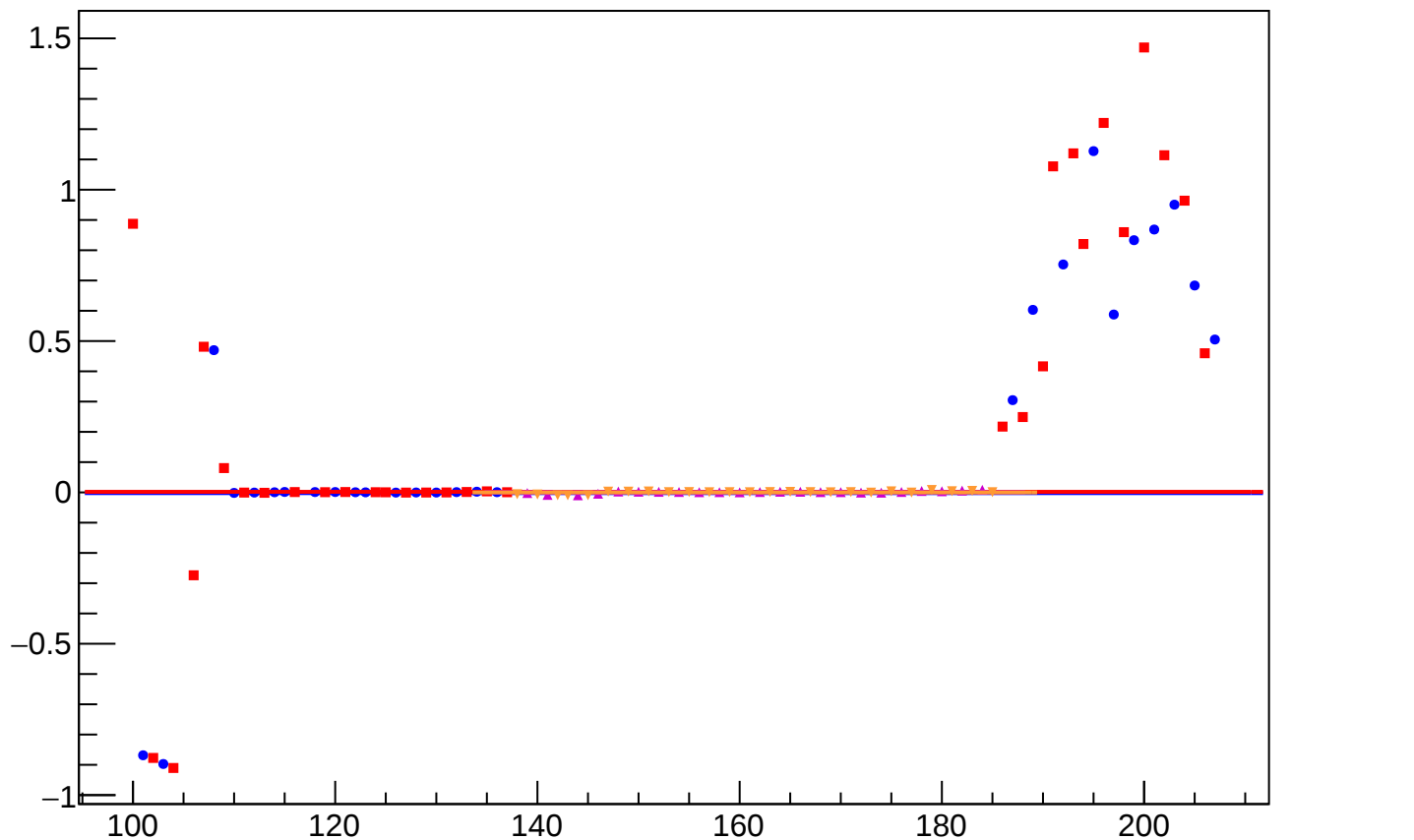
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 52748656.6/51

All: 0.000+/-0.000 χ^2/NDF : 105361808.1/105

- sign 0.000+/-0.000 χ^2/NDF : 52612026.7/53

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9797097969.7/26$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151482851.1/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3043679398.6/30$

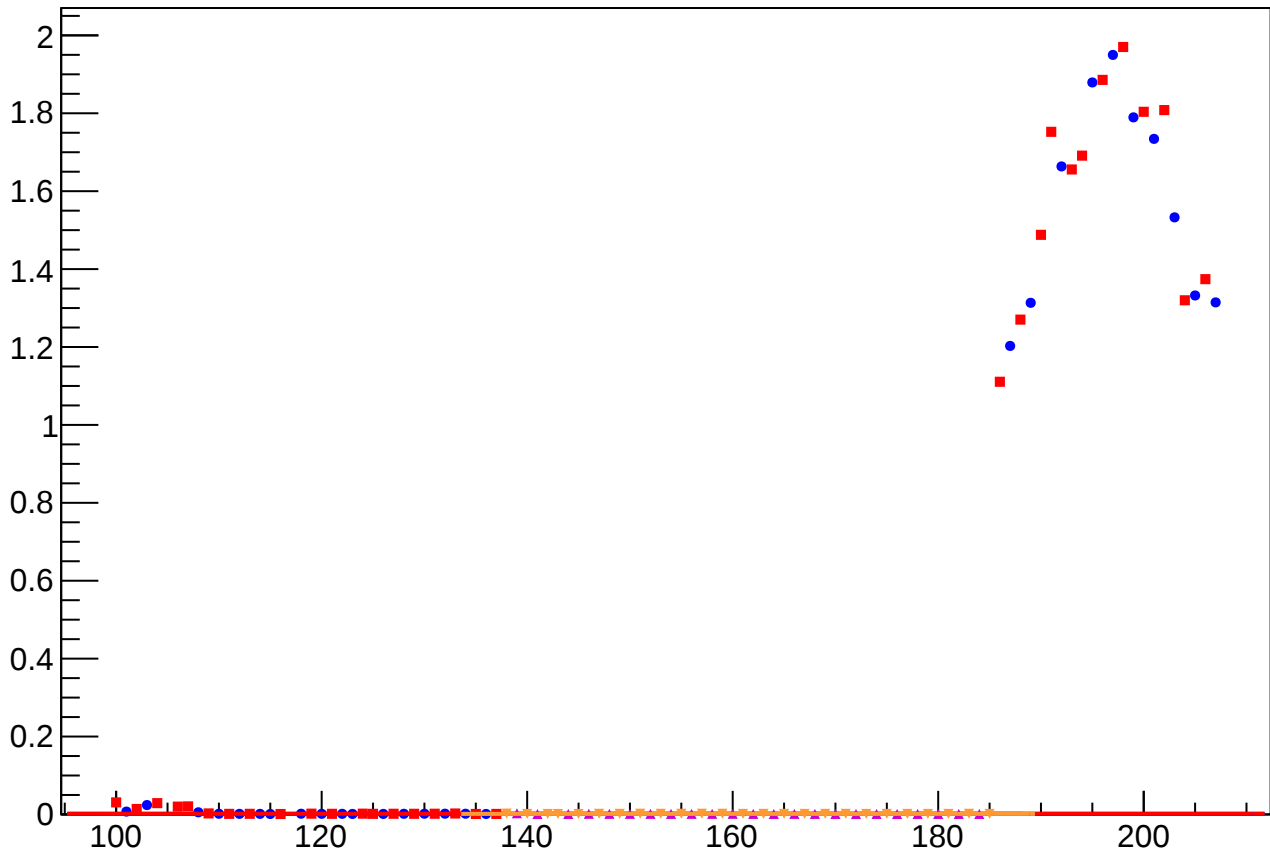
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101439617.3/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9955112442.7/51$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13109781285.2/100$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3147087503.0/53$

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 15828361.6/26

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539817.3/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 18561242.3/30

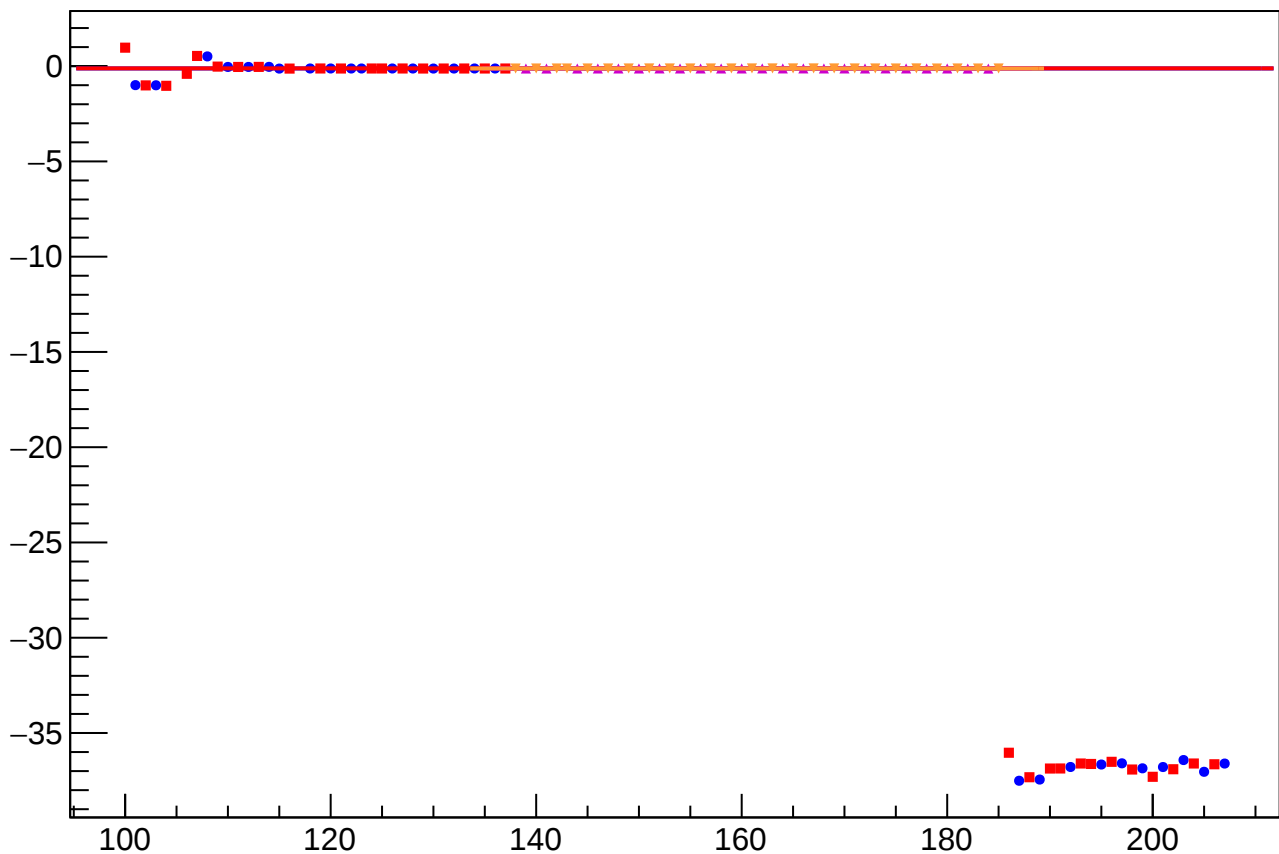
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:626044.8/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 16440651.0/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 35747439.9/105

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 19297832.1/53

yield_cav4cY_mean vs Slug



Right In: -0.121+/-0.000 χ^2/NDF : 65558581879.4/26

Left Out: -0.121+/-0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.116+/-0.000 χ^2/NDF : 68419227911.5/30

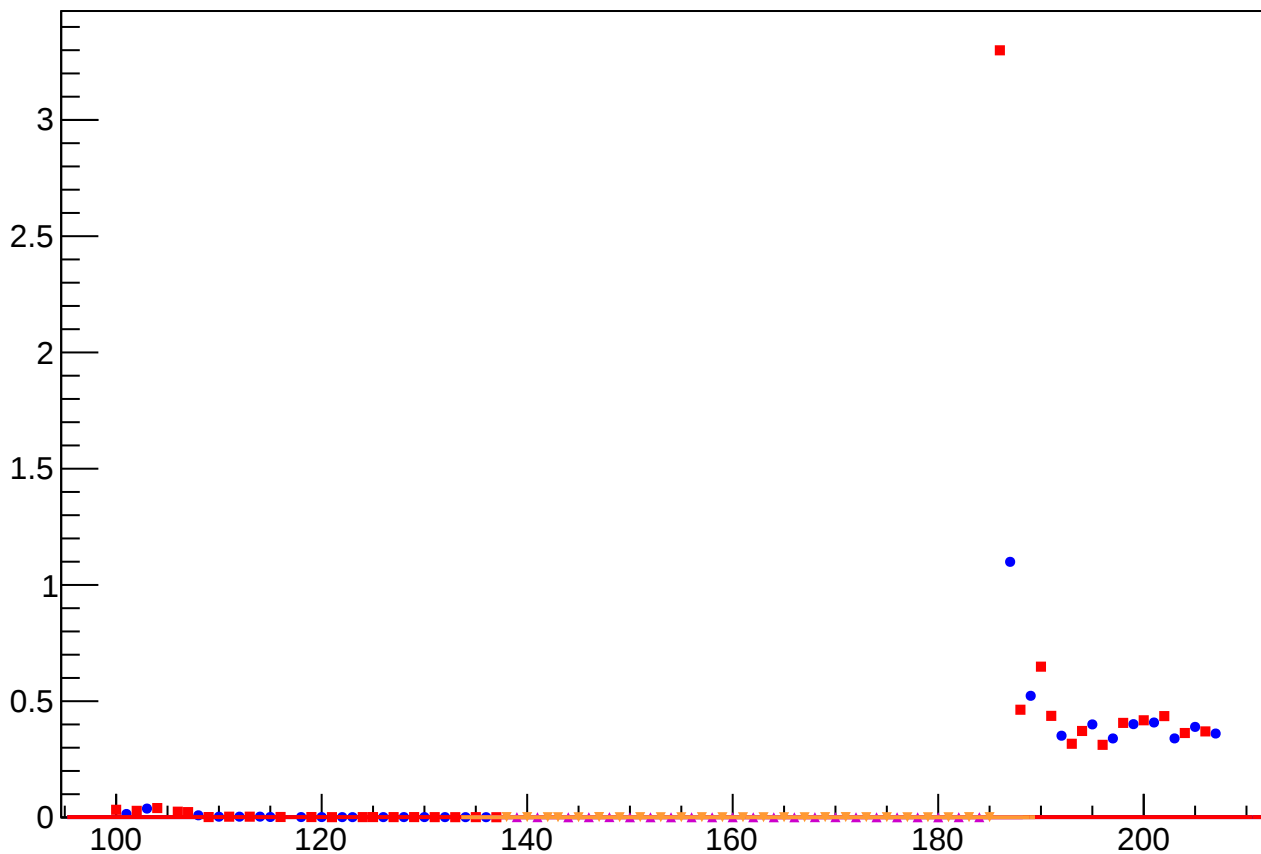
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 65616736688.2/51

All: -0.121+/-0.000 χ^2/NDF : 134127466722.3

- sign -0.120+/-0.000 χ^2/NDF : 68506696928.1/53

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 16169493.1/26

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1363316.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 18510045.9/30

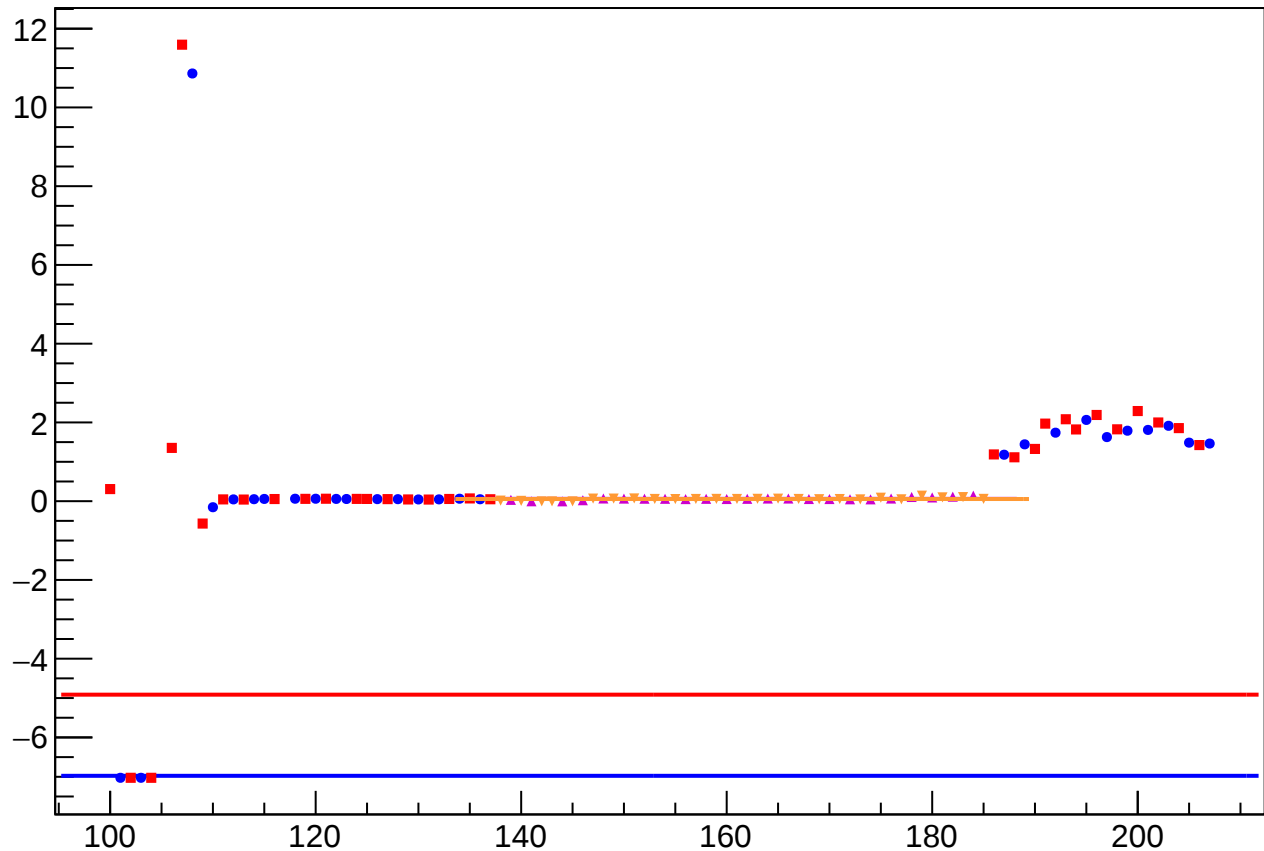
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:970801.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 18748870.6/51

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 39374775.3/105

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 20624062.5/53

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797632100596.0/26

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352838958624.2/30

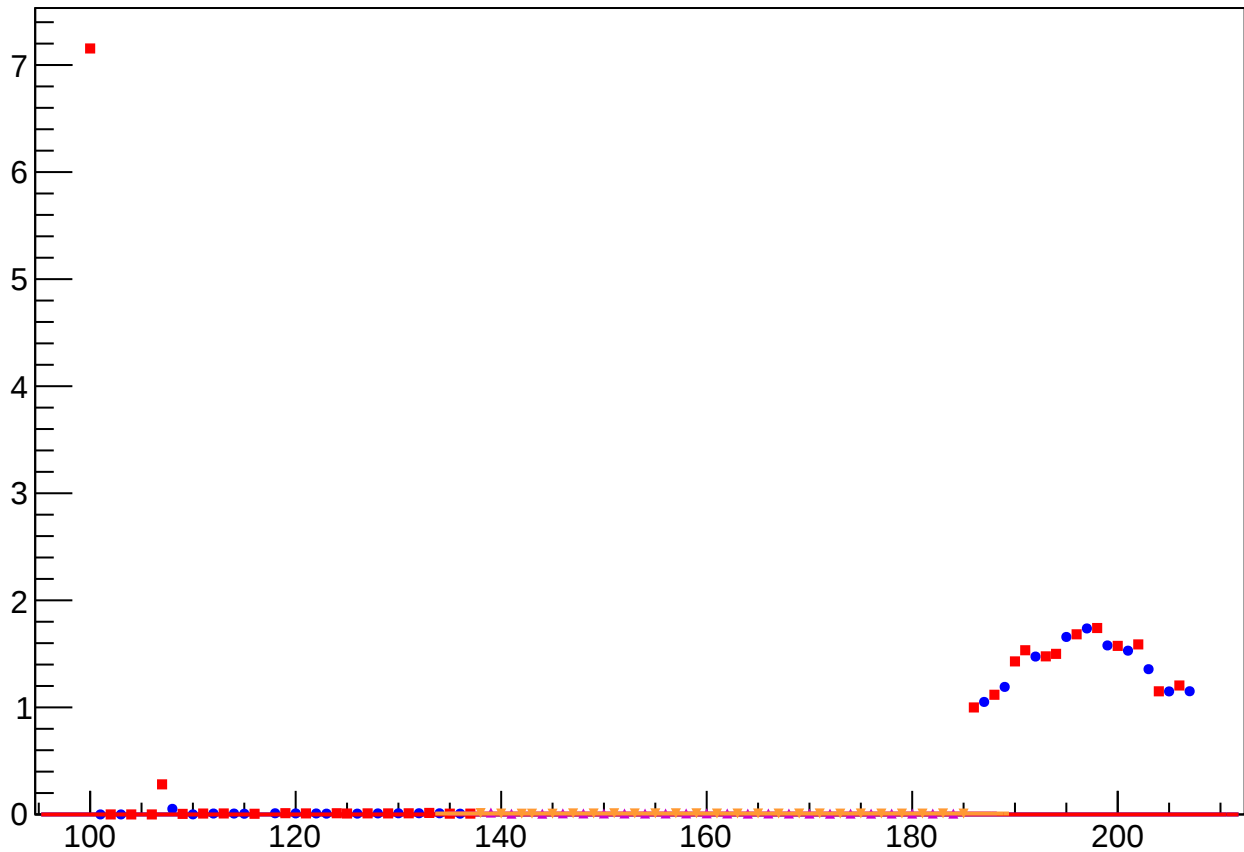
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18423944009443.8/26

All: -5.858 ± 0.000 χ^2/NDF : 4435290072246.0/26

- sign -4.882 ± 0.000 χ^2/NDF : 369731858617512.6/26

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 22282376.1/26

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 24348700.8/30

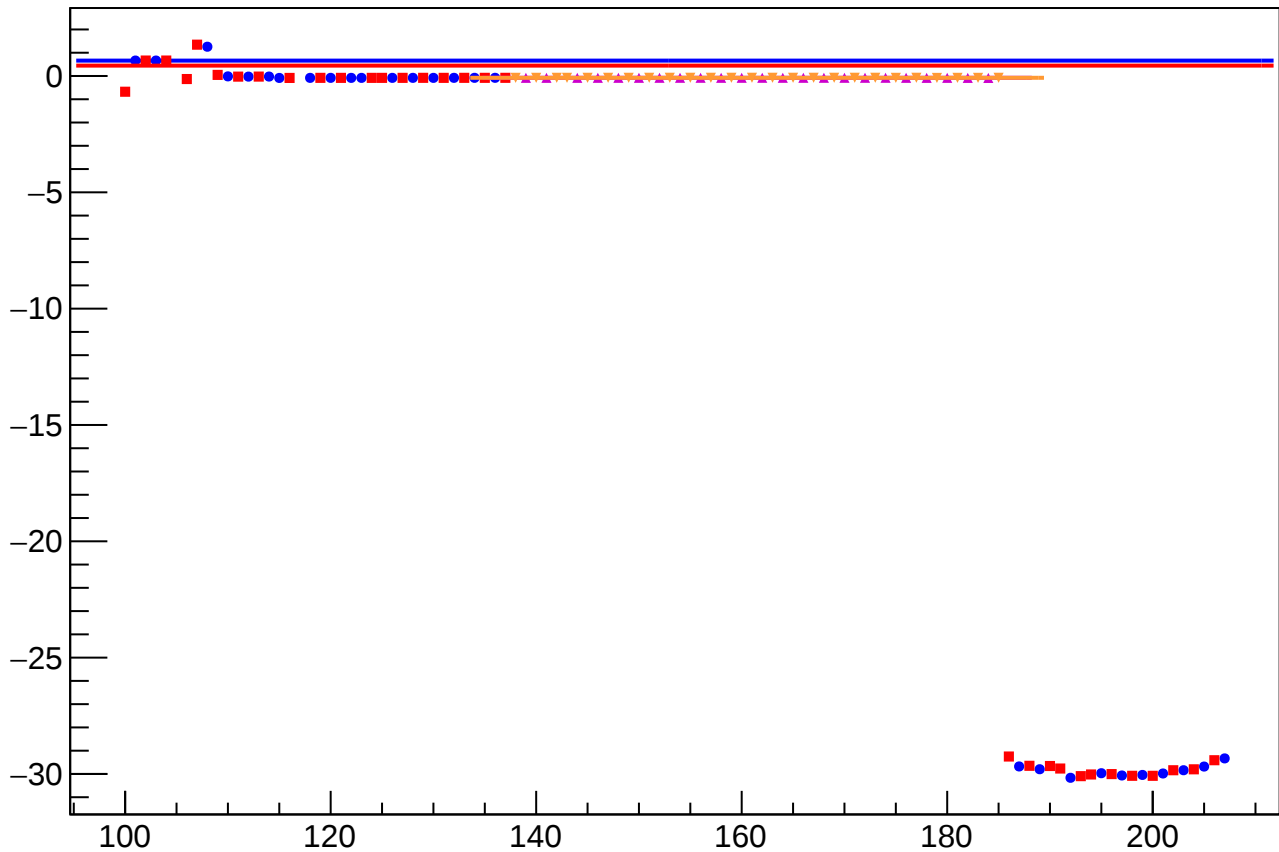
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 51184018.5/51

All: 0.000+/-0.000 χ^2/NDF : 102993254.6/105

- sign 0.000+/-0.000 χ^2/NDF : 51804418.1/53

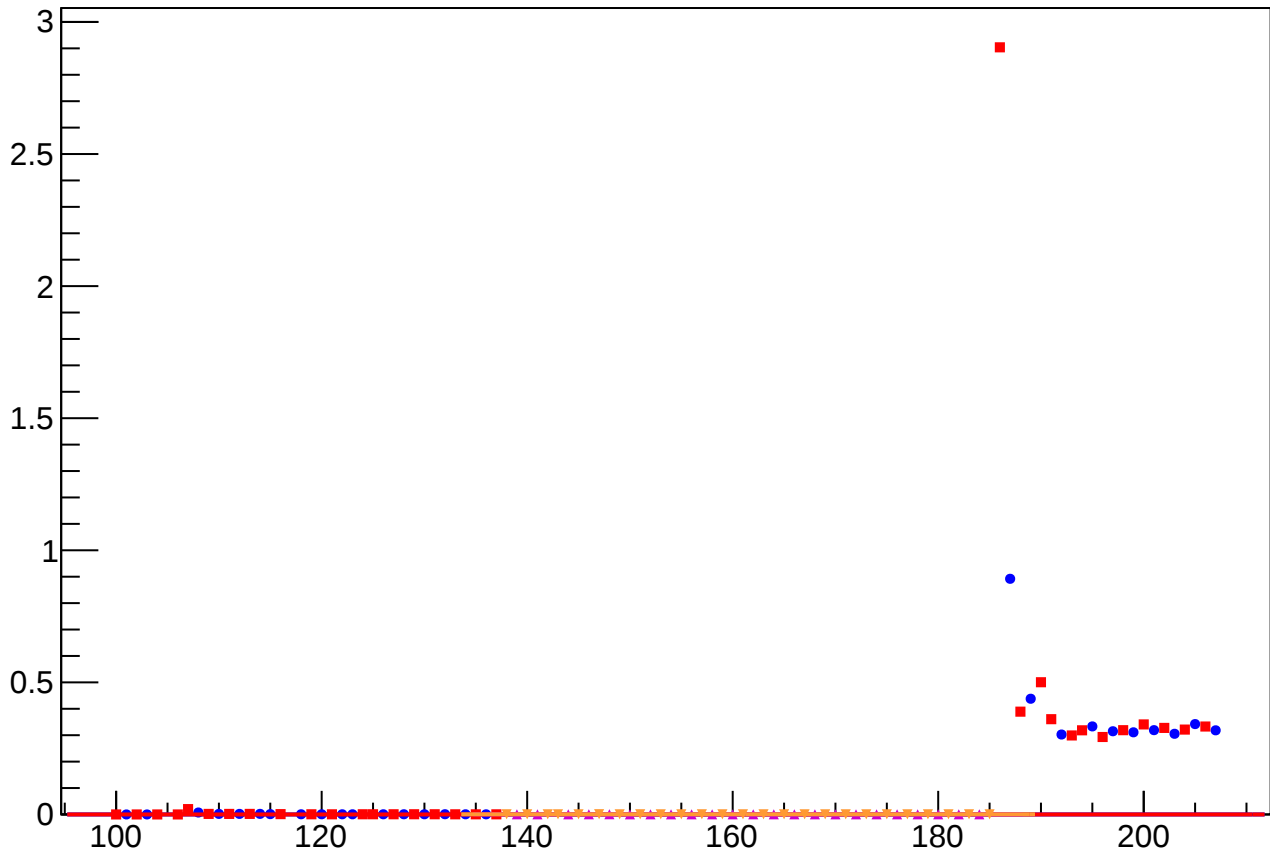
yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5719216055575.1/26
 Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156404795.7/24
 Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405490492449847.8/30
 Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 110762924.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35817981879900.4/5
 All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51596735728490
 - sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419612512653564.9/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 23697899.5/26

Left Out: 0.001+/-0.000 χ^2/NDF :465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 24886158.2/30

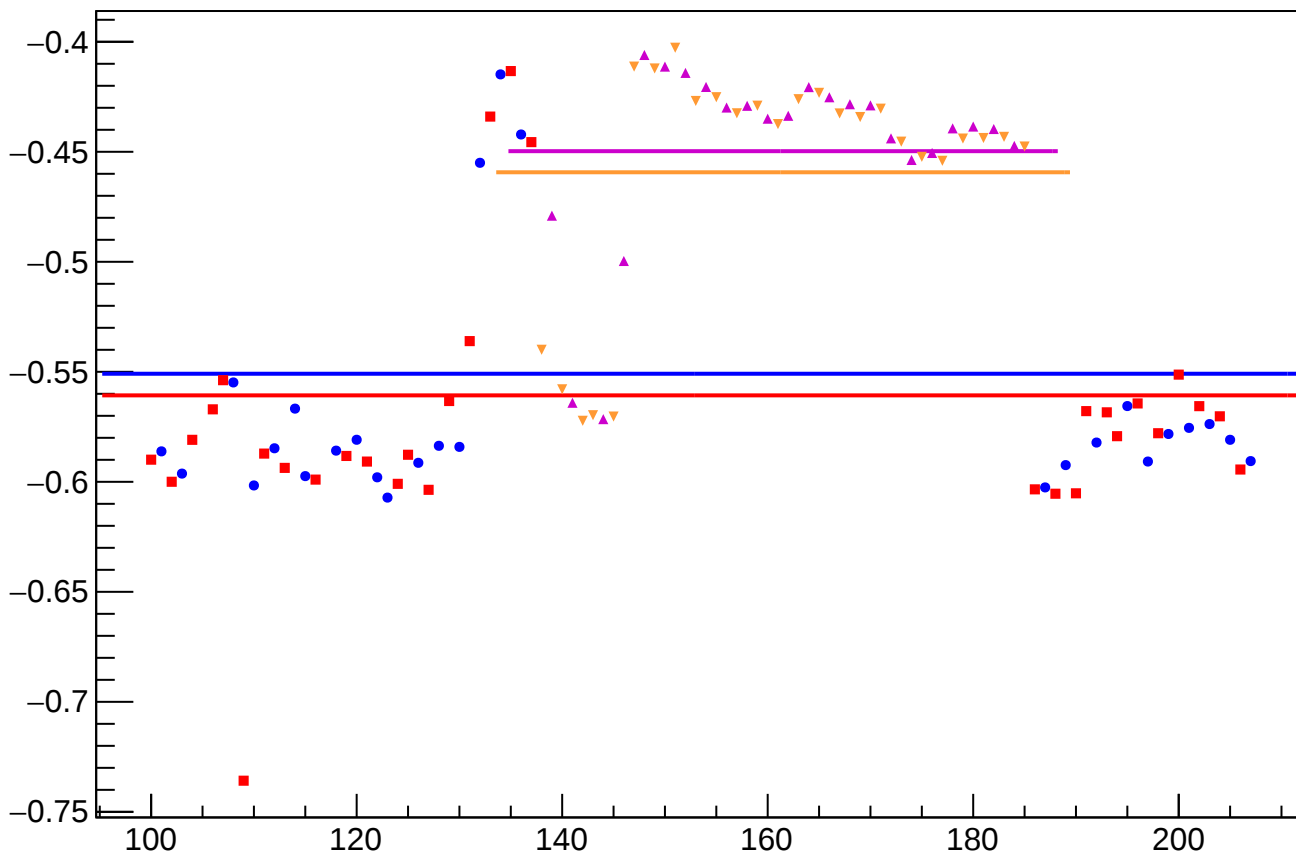
Left In: 0.001+/-0.000 χ^2/NDF :355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 56251130.0/51

All: 0.000+/-0.000 χ^2/NDF : 111937734.7/105

- sign 0.000+/-0.000 χ^2/NDF : 55678773.4/53

yield_bpm4aX_mean vs Slug



Right In: -0.551 ± 0.000 χ^2/NDF : 48482981.6/26

Left Out: -0.459 ± 0.000 χ^2/NDF : 113602161.0/24

Right Out: -0.561 ± 0.000 χ^2/NDF : 65999245.2/30

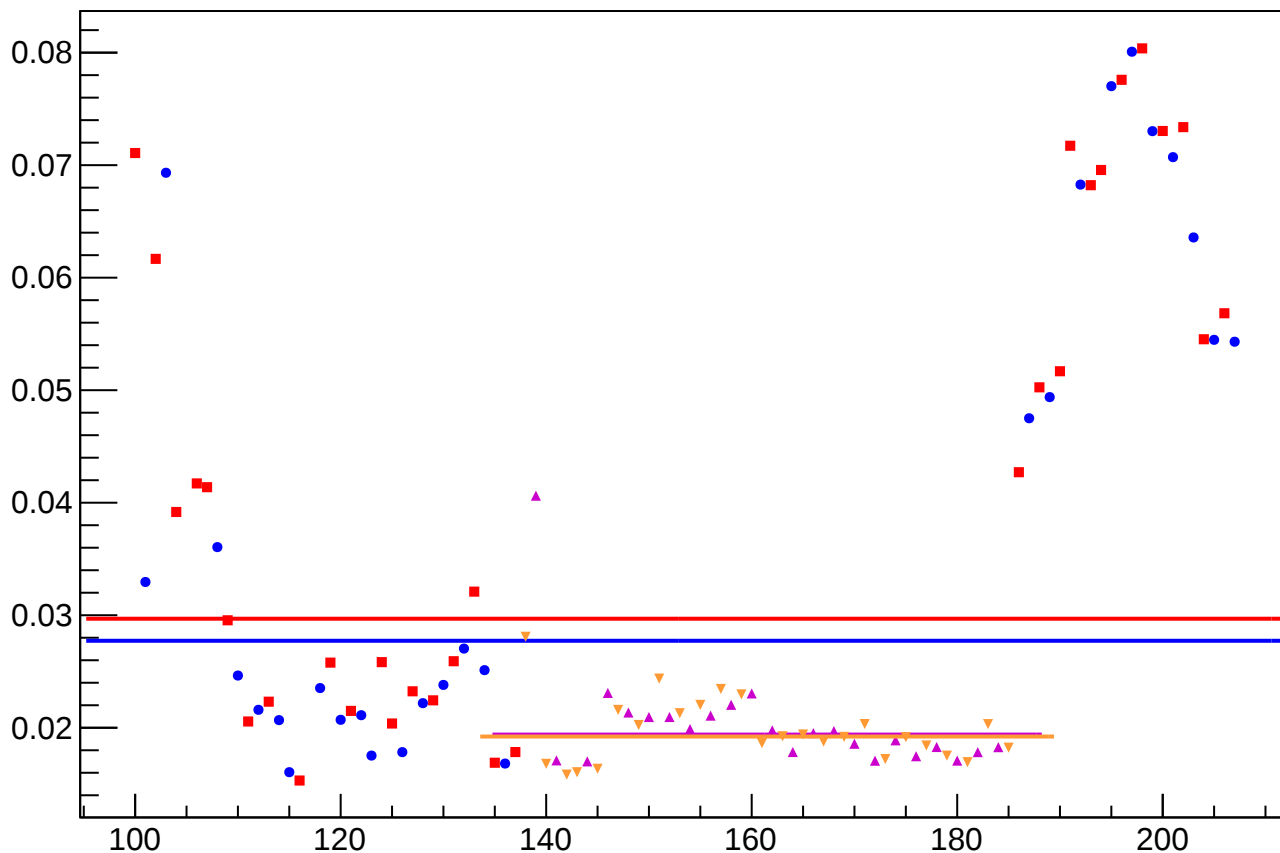
Left In: -0.450 ± 0.000 χ^2/NDF : 76117957.8/22

+ sign -0.481 ± 0.000 χ^2/NDF : 240850580.9/51

All: -0.479 ± 0.000 χ^2/NDF : 494073309.5/10

- sign -0.477 ± 0.000 χ^2/NDF : 252793205.7/53

yield_bpm4aX_rms vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6229287.3/26

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:501711.6/24

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 6446511.5/30

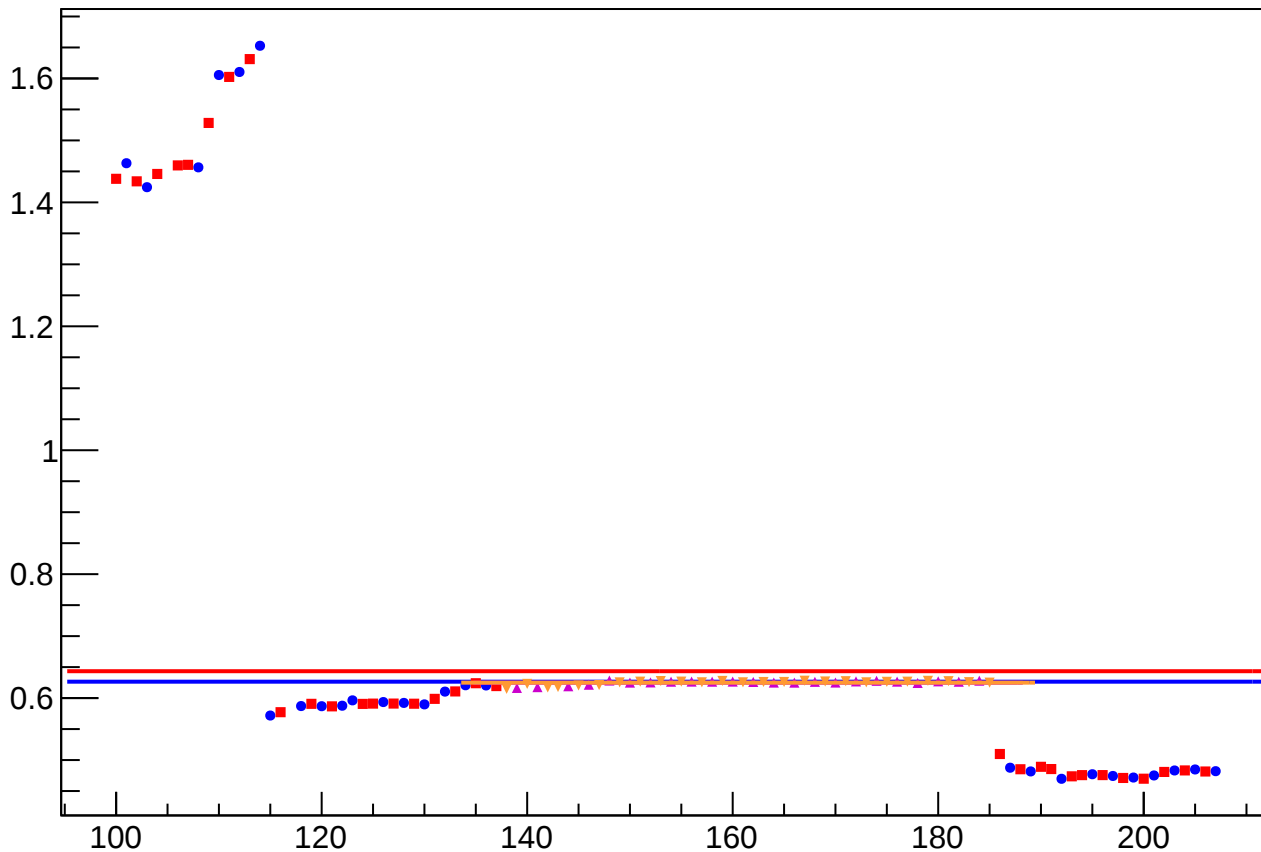
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:626443.5/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8091856.6/51

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 17093124.7/105

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 8977972.1/53

yield_bpm4aY_mean vs Slug



Right In: 0.626+/-0.000 χ^2/NDF : 5019260625.5/26

Left Out: 0.625+/-0.000 χ^2/NDF :1445169.1/24

Right Out: 0.643+/-0.000 χ^2/NDF : 6048670824.8/30

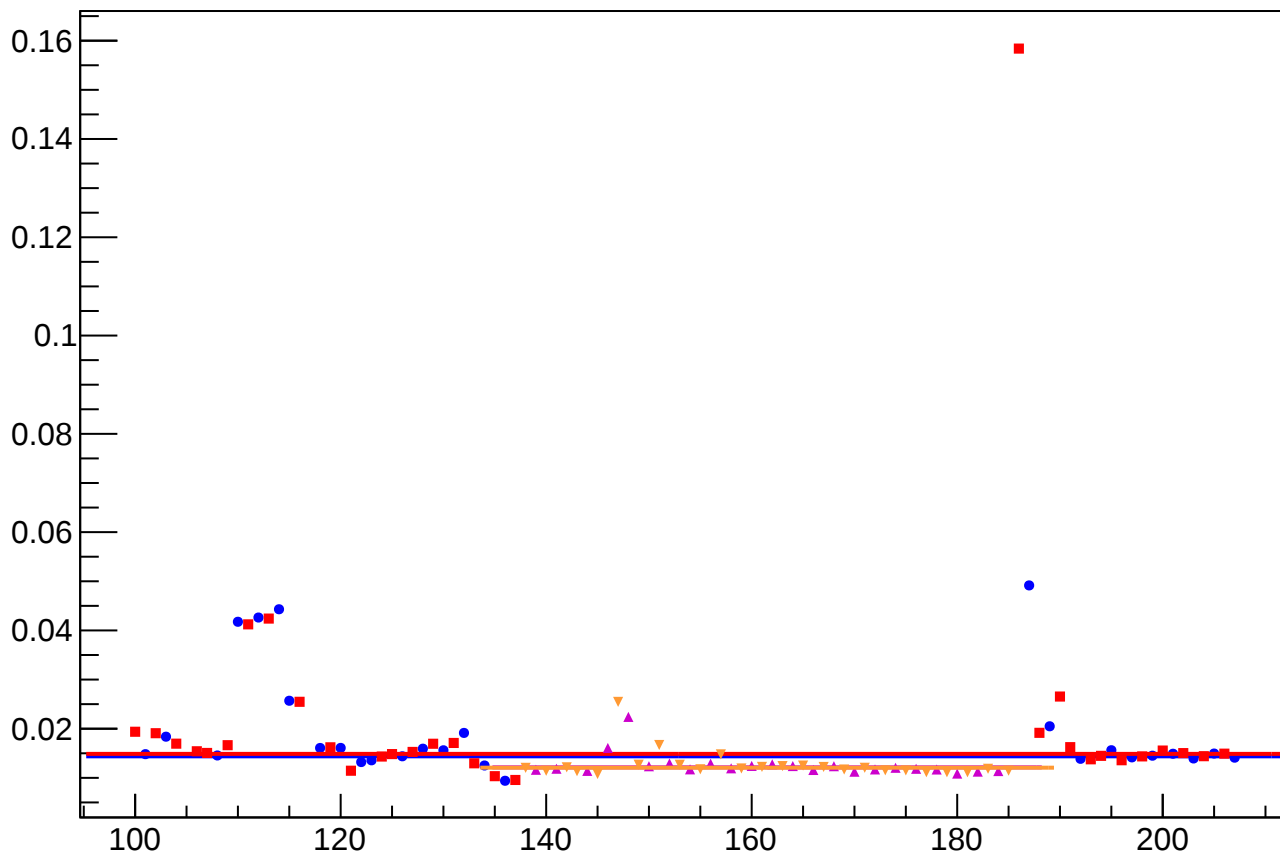
Left In: 0.625+/-0.000 χ^2/NDF :1143954.1/22

+ sign 0.625+/-0.000 χ^2/NDF : 5020804273.1/51

All: 0.628+/-0.000 χ^2/NDF : 11087104551.3/101

- sign 0.631+/-0.000 χ^2/NDF : 6063310841.5/53

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1641166.9/26

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2079154.5/30

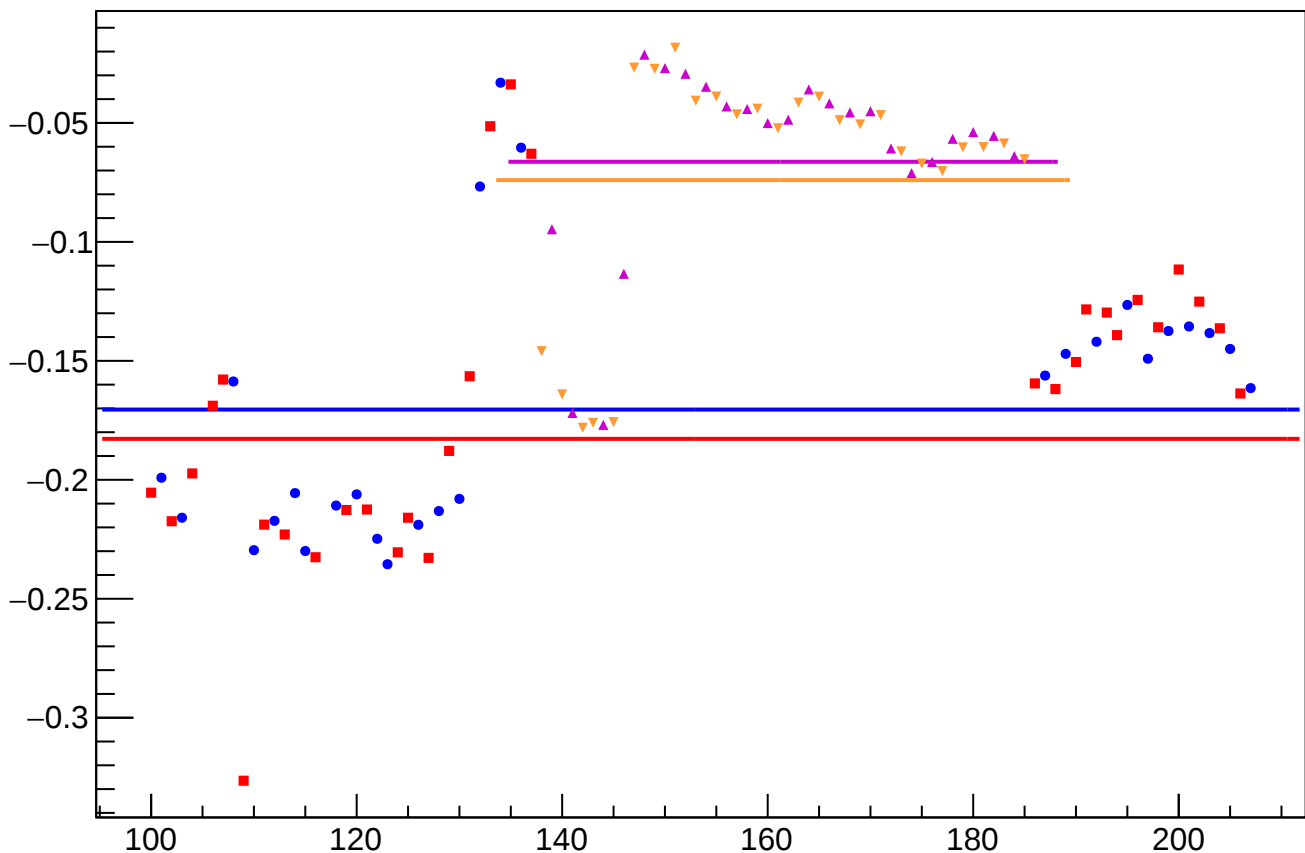
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2726063.1/51

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5894206.4/105

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3157146.6/53

yield_bpm4eX_mean vs Slug



Right In: -0.170+/-0.000 χ^2 /NDF: 68361482.9/26

Left Out: -0.074+/-0.000 χ^2 /NDF:107676601.9/24

Right Out: -0.183+/-0.000 χ^2 /NDF: 86383098.2/30

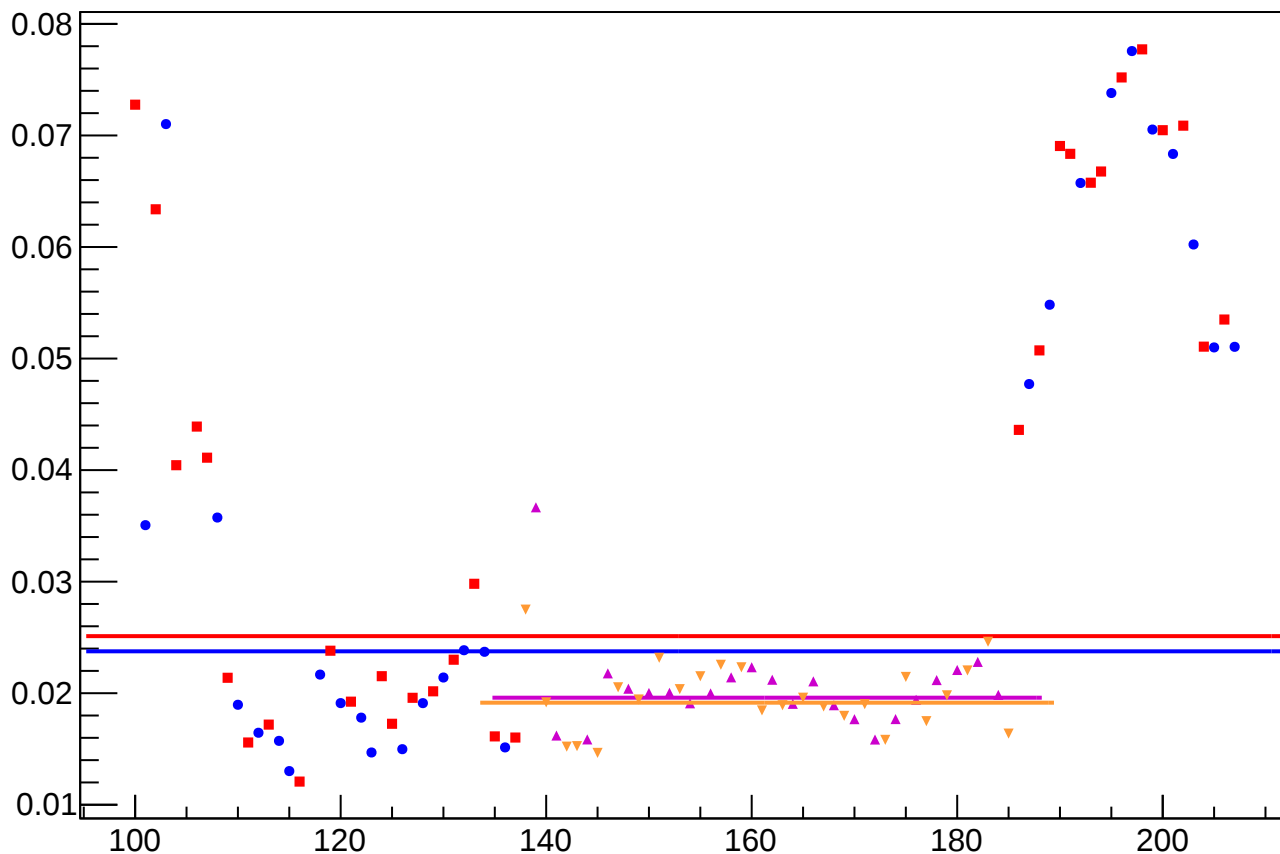
Left In: -0.066+/-0.000 χ^2 /NDF:76243051.8/22

+ sign -0.101+/-0.000 χ^2 /NDF: 282480090.5/51

All: -0.101+/-0.000 χ^2 /NDF: 593417433.4/10

- sign -0.101+/-0.000 χ^2 /NDF: 310935781.8/53

yield_bpm4eX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 7246576.8/26

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 641277.0/24

Right Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7838095.5/30

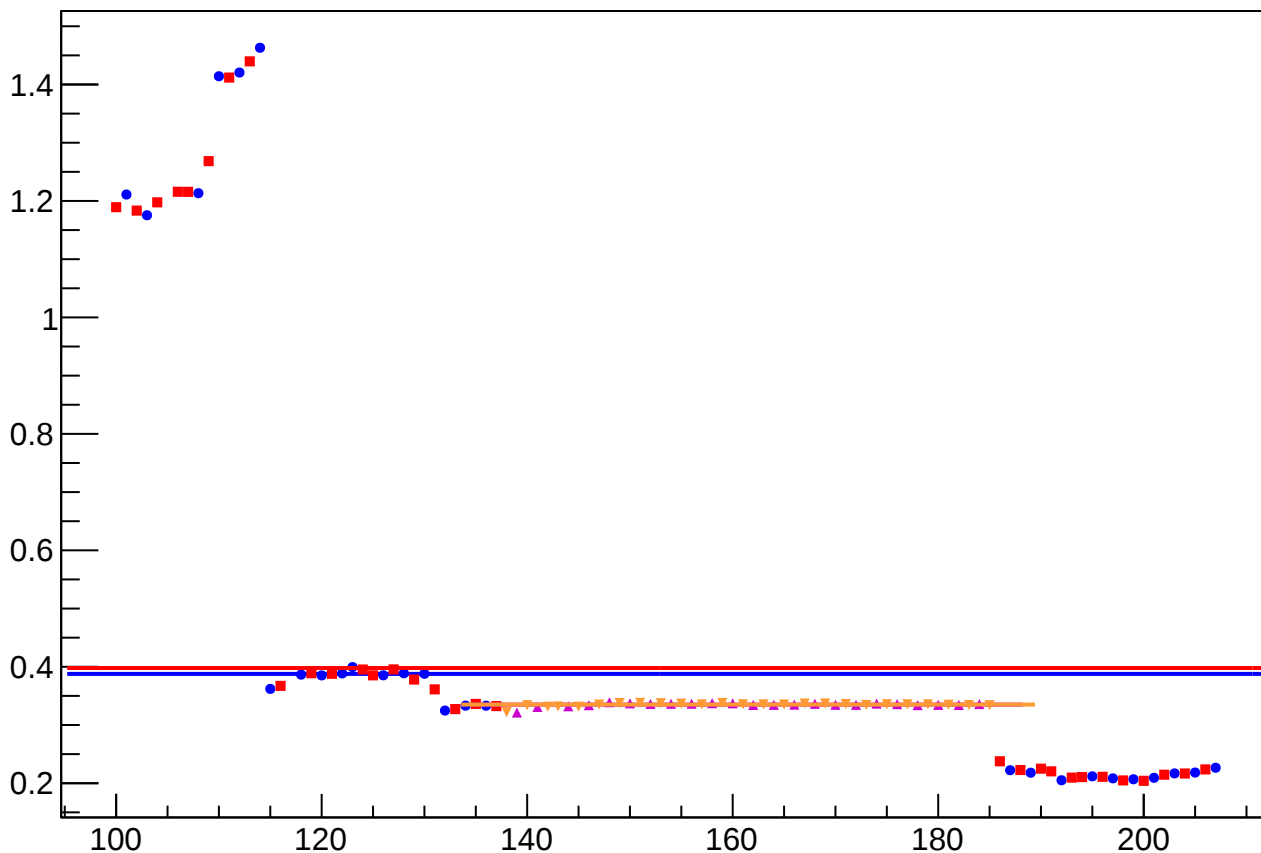
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 623148.2/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 8373289.7/51

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 17534740.7/105

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9127195.0/53

yield_bpm4eY_mean vs Slug



Right In: 0.388 $\pm$ 0.000 χ^2 /NDF: 7414289294.1/26

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1154310.3/24

Right Out: 0.398 $\pm$ 0.000 χ^2 /NDF: 8528846047.6/30

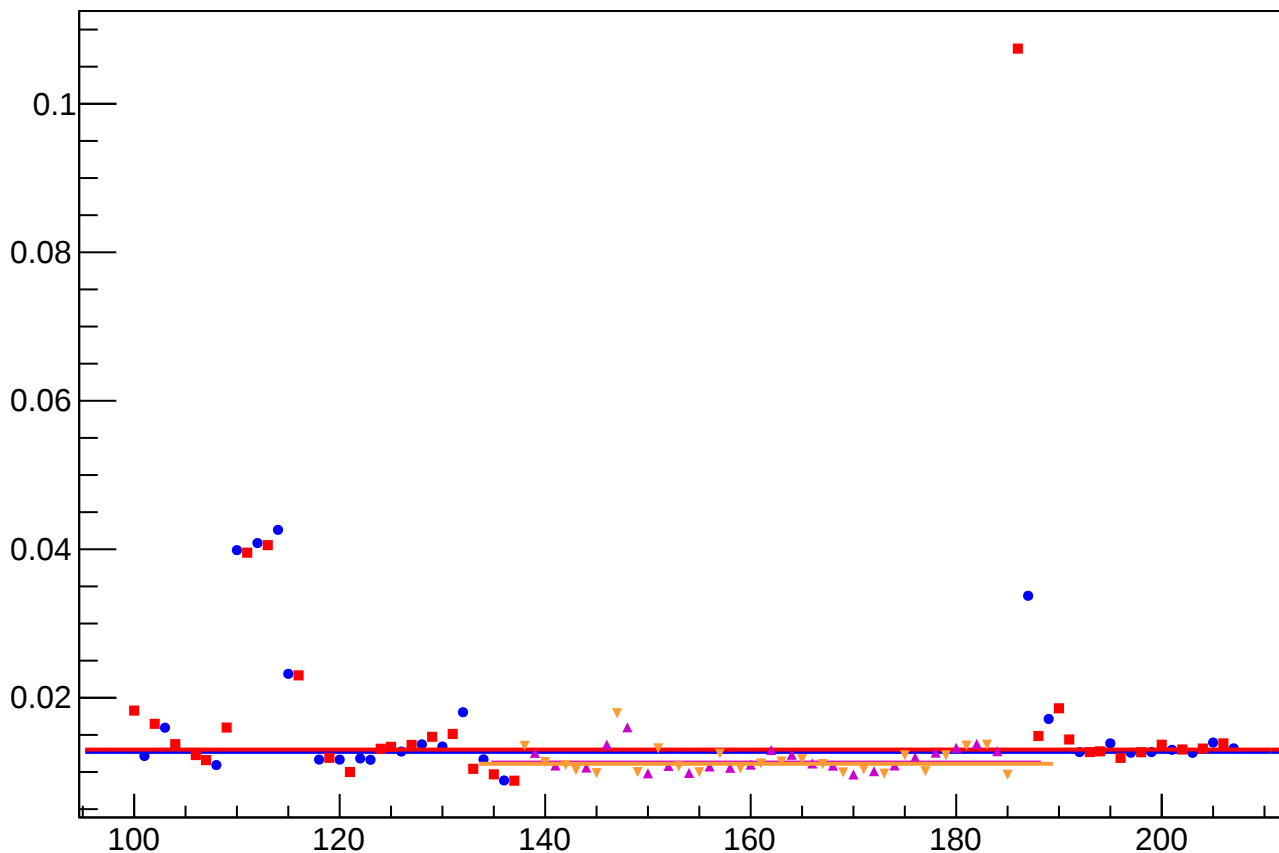
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

+ sign 0.354 $\pm$ 0.000 χ^2 /NDF: 7553604297.3/51

All: 0.356 $\pm$ 0.000 χ^2 /NDF: 16278917333.3/100

- sign 0.359 $\pm$ 0.000 χ^2 /NDF: 8722662279.8/53

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1524729.8/26

Left Out: 0.011+/-0.000 χ^2/NDF : 607532.0/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1944397.4/30

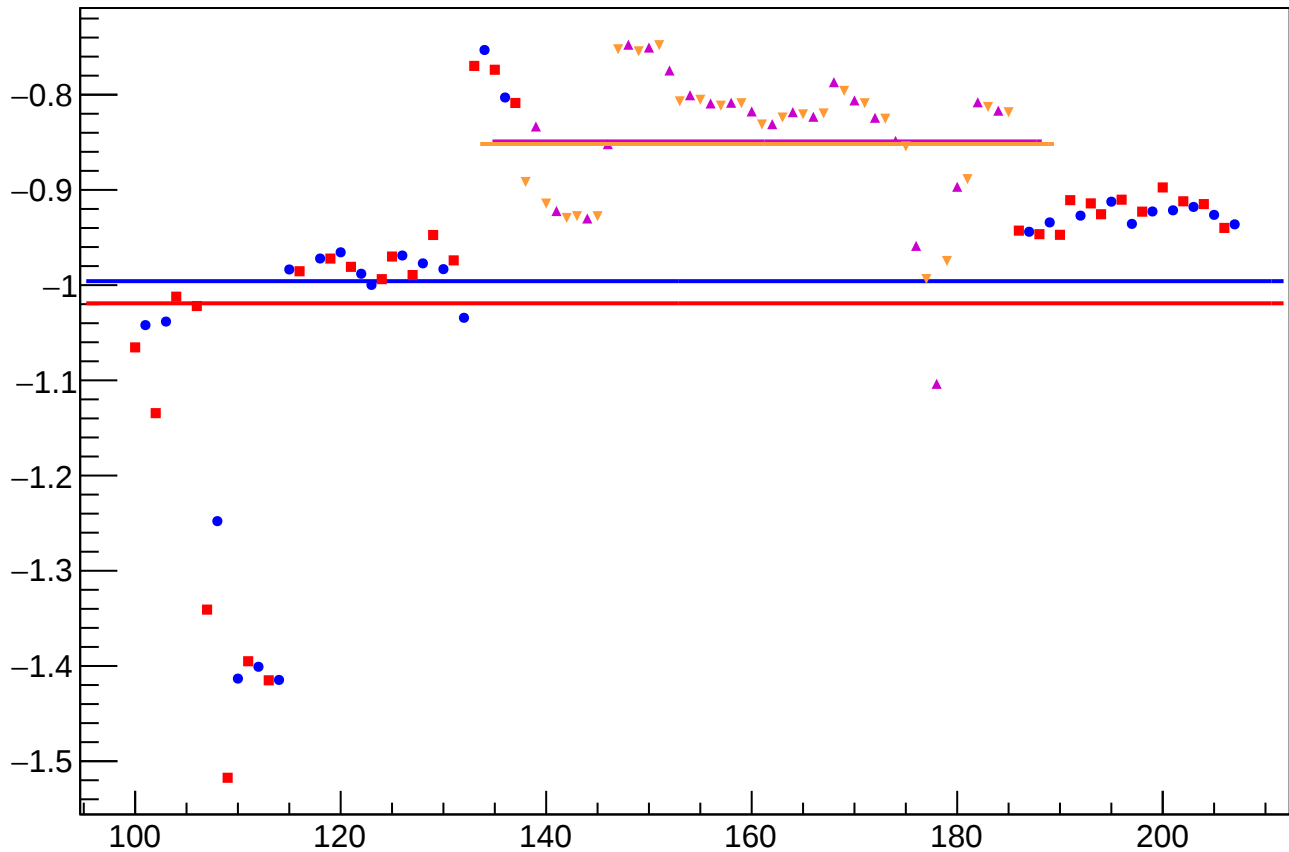
Left In: 0.011+/-0.000 χ^2/NDF : 502455.5/22

+ sign 0.012+/-0.000 χ^2/NDF : 2388057.7/51

All: 0.012+/-0.000 χ^2/NDF : 5147984.9/105

- sign 0.012+/-0.000 χ^2/NDF : 2746159.5/53

yield_bpm4acX_mean vs Slug



Right In: -0.996 ± 0.000 χ^2/NDF : 403691777.9/26

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.019 ± 0.000 χ^2/NDF : 557820123.3/30

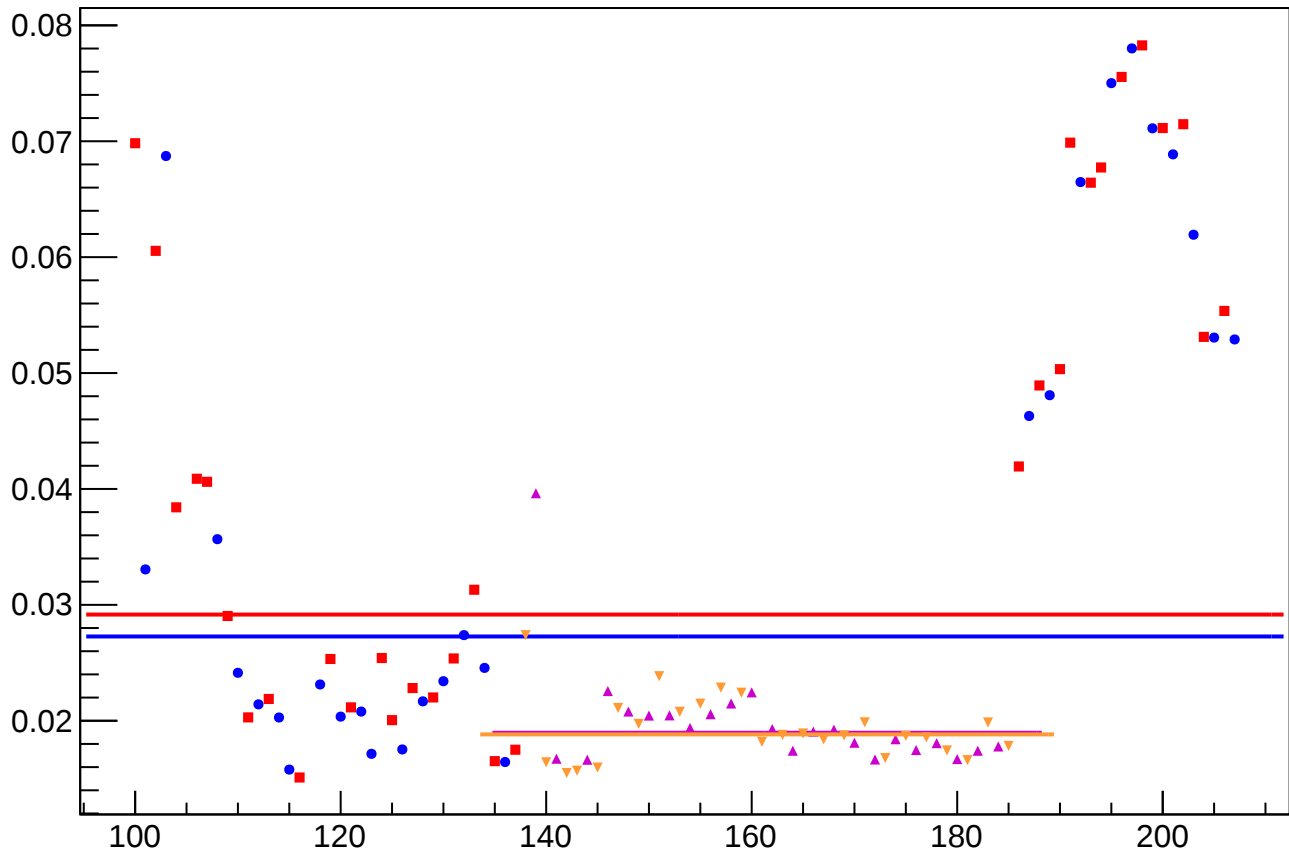
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.885 ± 0.000 χ^2/NDF : 795153770.4/51

All: -0.888 ± 0.000 χ^2/NDF : 1880094830.7/1

- sign -0.890 ± 0.000 χ^2/NDF : 1084349180.5/53

yield_bpm4acX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 6192176.5/26

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490509.4/24

Right Out: 0.029 $\pm$ 0.000 χ^2 /NDF: 6383170.3/30

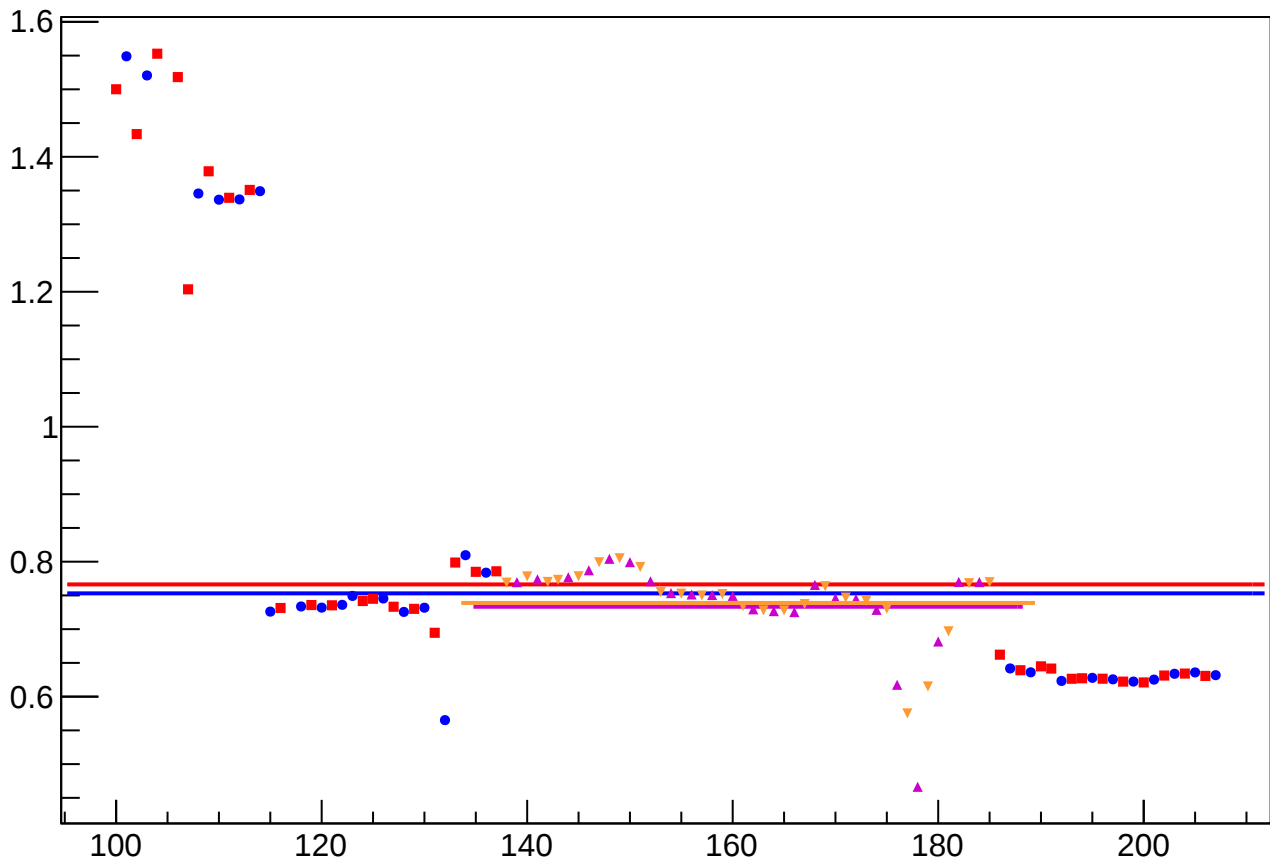
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:615173.8/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8074153.2/51

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 17036566.1/105

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8941335.0/53

yield_bpm4acY_mean vs Slug



Right In: 0.753+/-0.000 χ^2/NDF : 3439183000.4/26

Left Out: 0.739+/-0.000 χ^2/NDF : 333013236.5/24

Right Out: 0.766+/-0.000 χ^2/NDF : 3760876329.4/30

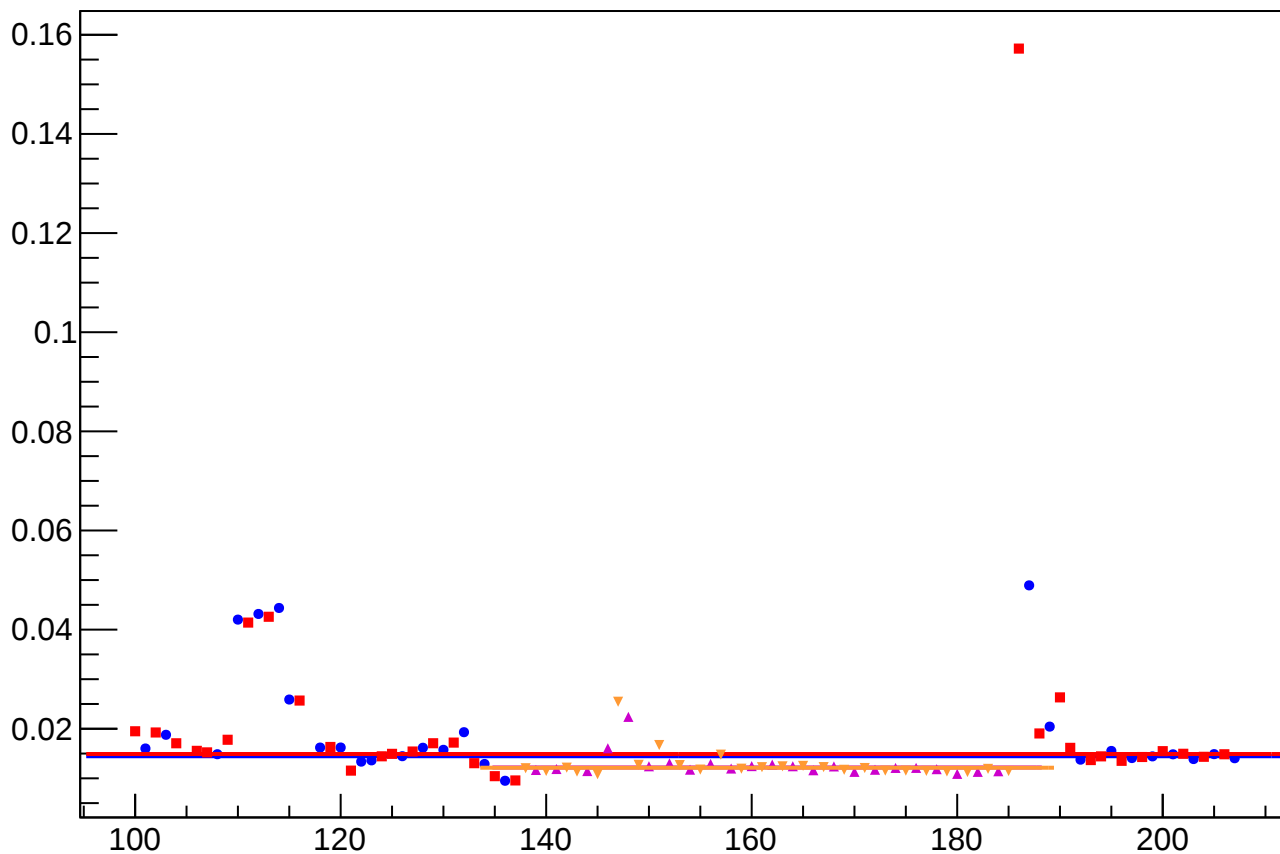
Left In: 0.733+/-0.000 χ^2/NDF : 569611347.7/22

+ sign 0.744+/-0.000 χ^2/NDF : 3780150386.1/51

All: 0.744+/-0.000 χ^2/NDF : 8153381719.5/10

- sign 0.745+/-0.000 χ^2/NDF : 4373114177.8/53

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1642066.7/26

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2082931.2/30

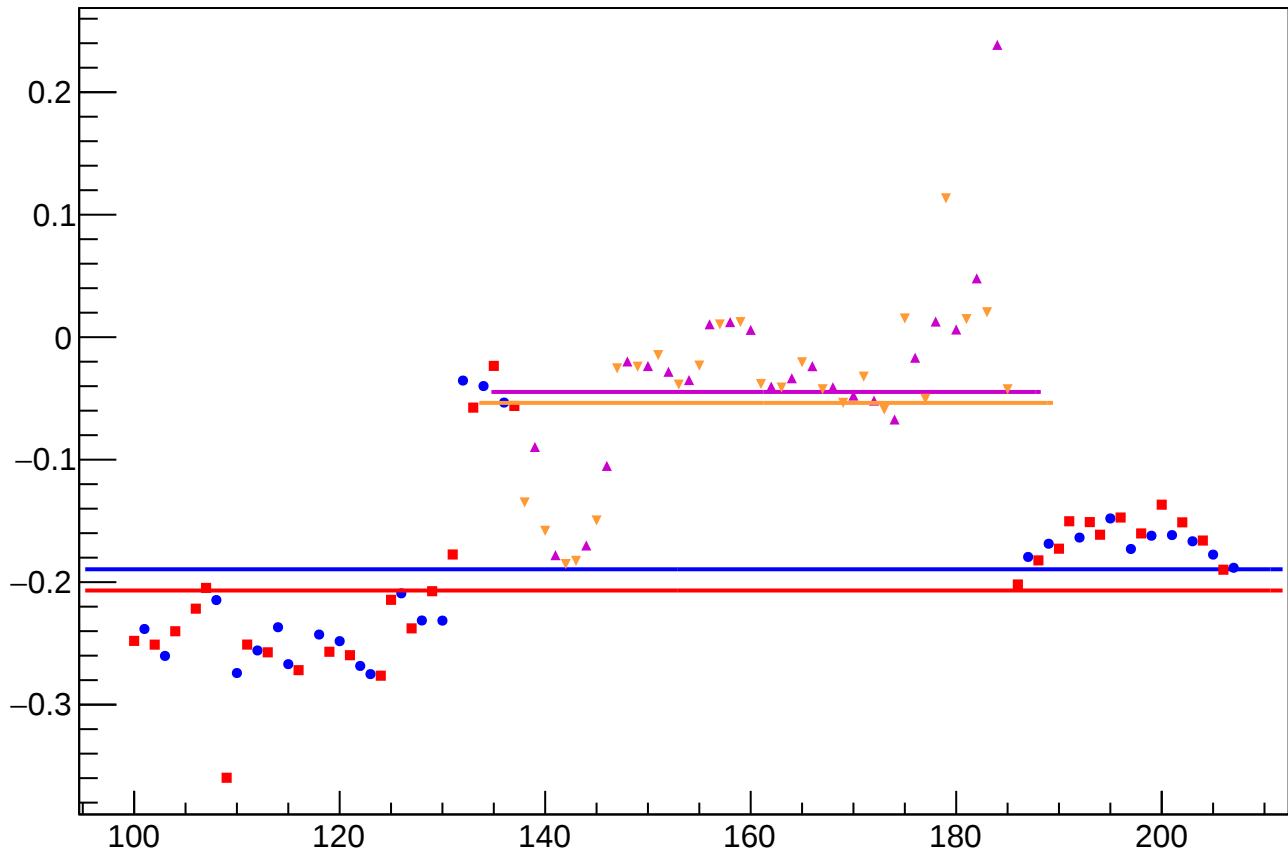
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2705274.7/51

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5853218.0/105

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3138983.5/53

yield_bpm4ecX_mean vs Slug



Right In: -0.189+/-0.000 χ^2 /NDF: 107170238.1/26

Left Out: -0.054+/-0.000 χ^2 /NDF: 167834173.6/24

Right Out: -0.207+/-0.000 χ^2 /NDF: 114680081.9/30

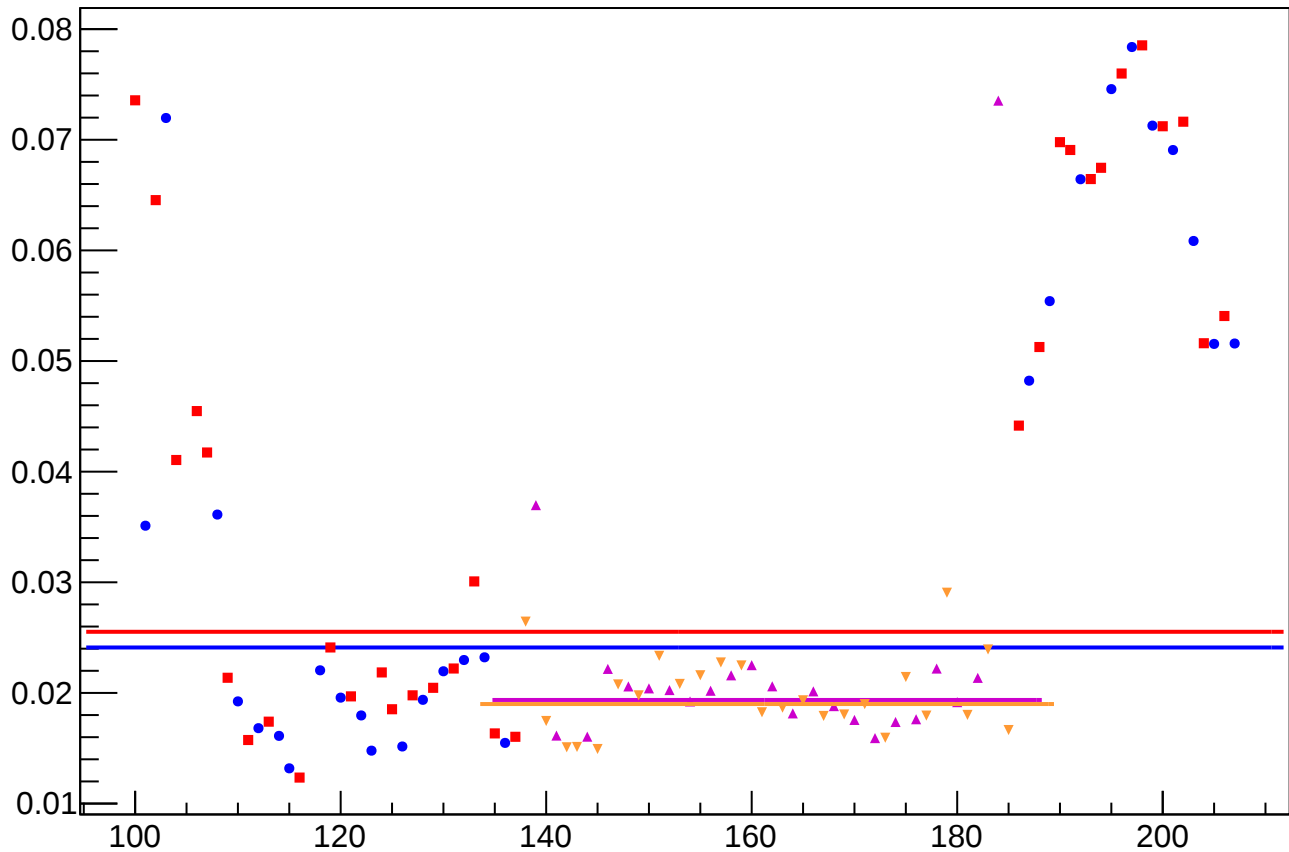
Left In: -0.045+/-0.000 χ^2 /NDF: 127192425.2/22

+ sign -0.091+/-0.000 χ^2 /NDF: 481175194.4/51

All: -0.091+/-0.000 χ^2 /NDF: 1003668255.9/1

- sign -0.092+/-0.000 χ^2 /NDF: 522487804.2/53

yield_bpm4ecX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 7191348.4/26

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 7790861.9/30

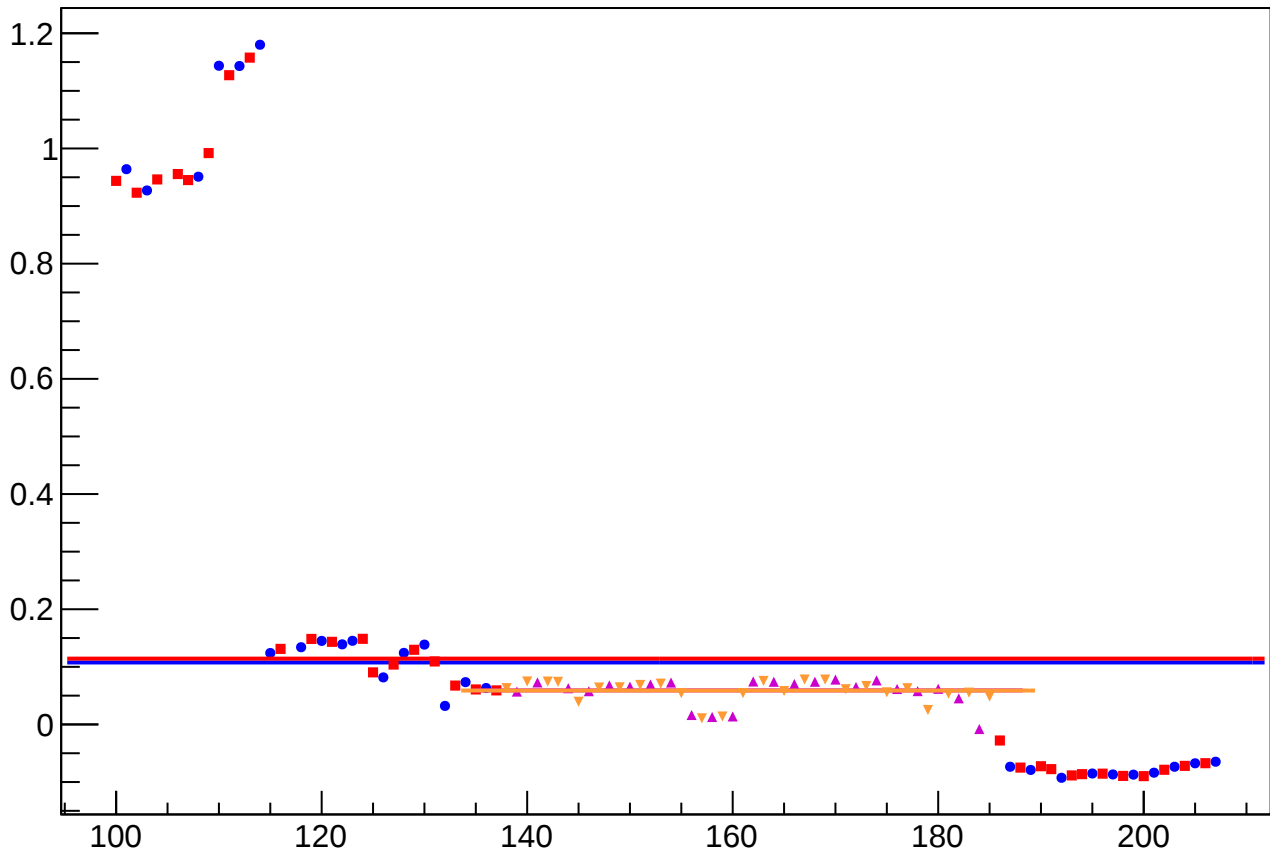
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 8475484.1/51

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 17964837.3/105

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9459921.4/53

yield_bpm4ecY_mean vs Slug



Right In: 0.108 $\pm$ 0.000 χ^2 /NDF: 7995583307.3/26

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46821236.8/24

+ sign 0.076 $\pm$ 0.000 χ^2 /NDF: 8162743237.0/51

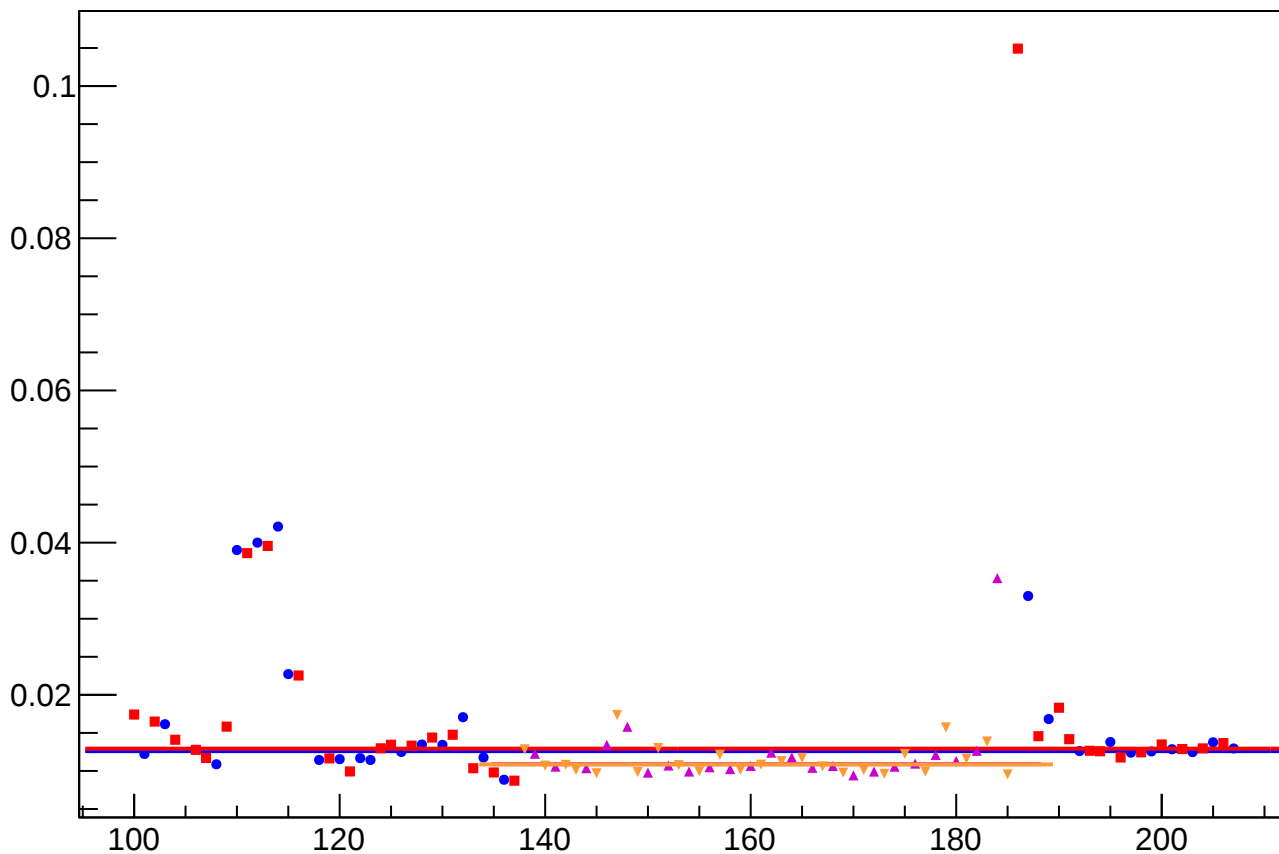
Right Out: 0.114 $\pm$ 0.000 χ^2 /NDF: 8984057615.2/30

All: 0.078 $\pm$ 0.000 χ^2 /NDF: 17359133203.8/173

- sign 0.079 $\pm$ 0.000 χ^2 /NDF: 9195109132.8/53

Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

yield_bpm4ecY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 1488620.9/26

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1898427.4/30

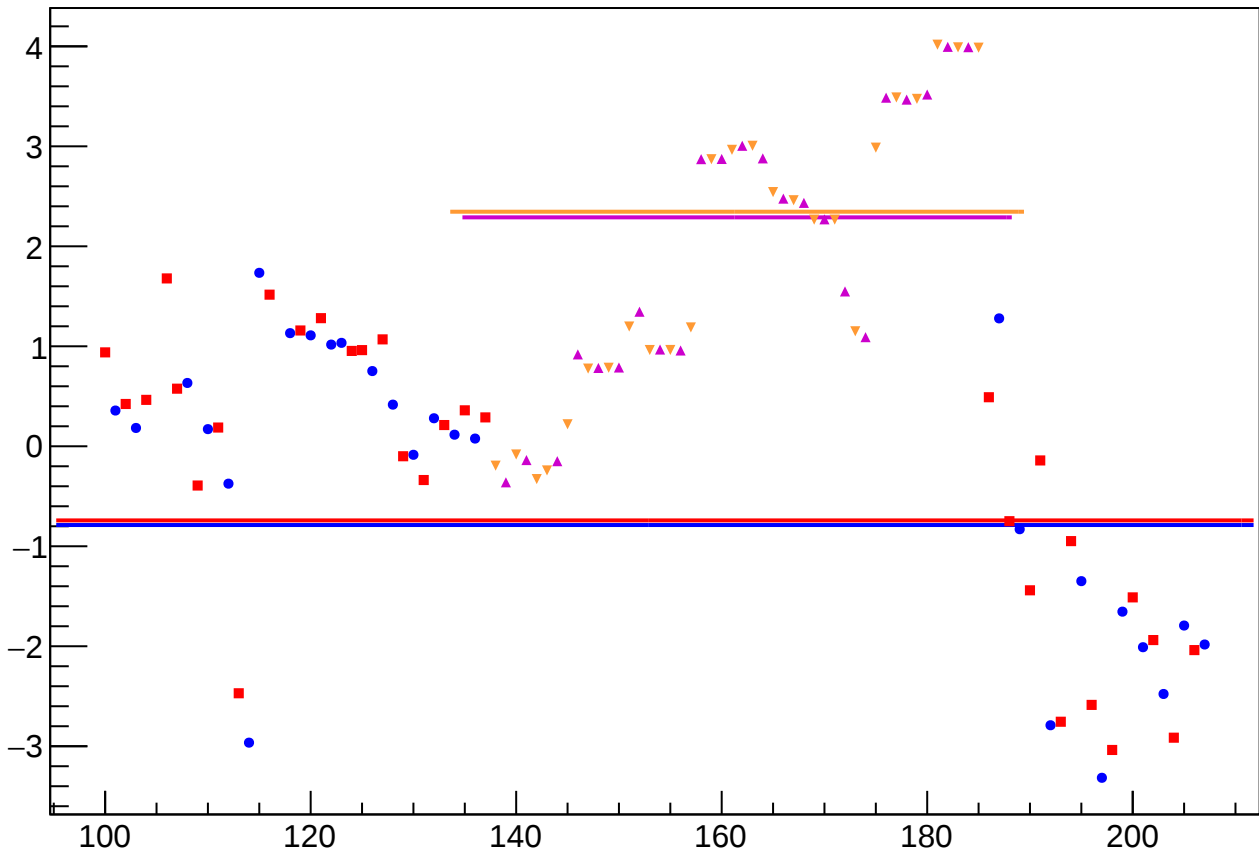
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 530077.5/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 2401504.7/51

All: 0.012 $\pm$ 0.000 χ^2/NDF : 5250135.1/105

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 2842597.0/53

yield_bpm1X_mean vs Slug



Right In: -0.788 ± 0.000 χ^2/NDF : 6339698603.3/26

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.741 ± 0.000 χ^2/NDF : 7592120533.9/30

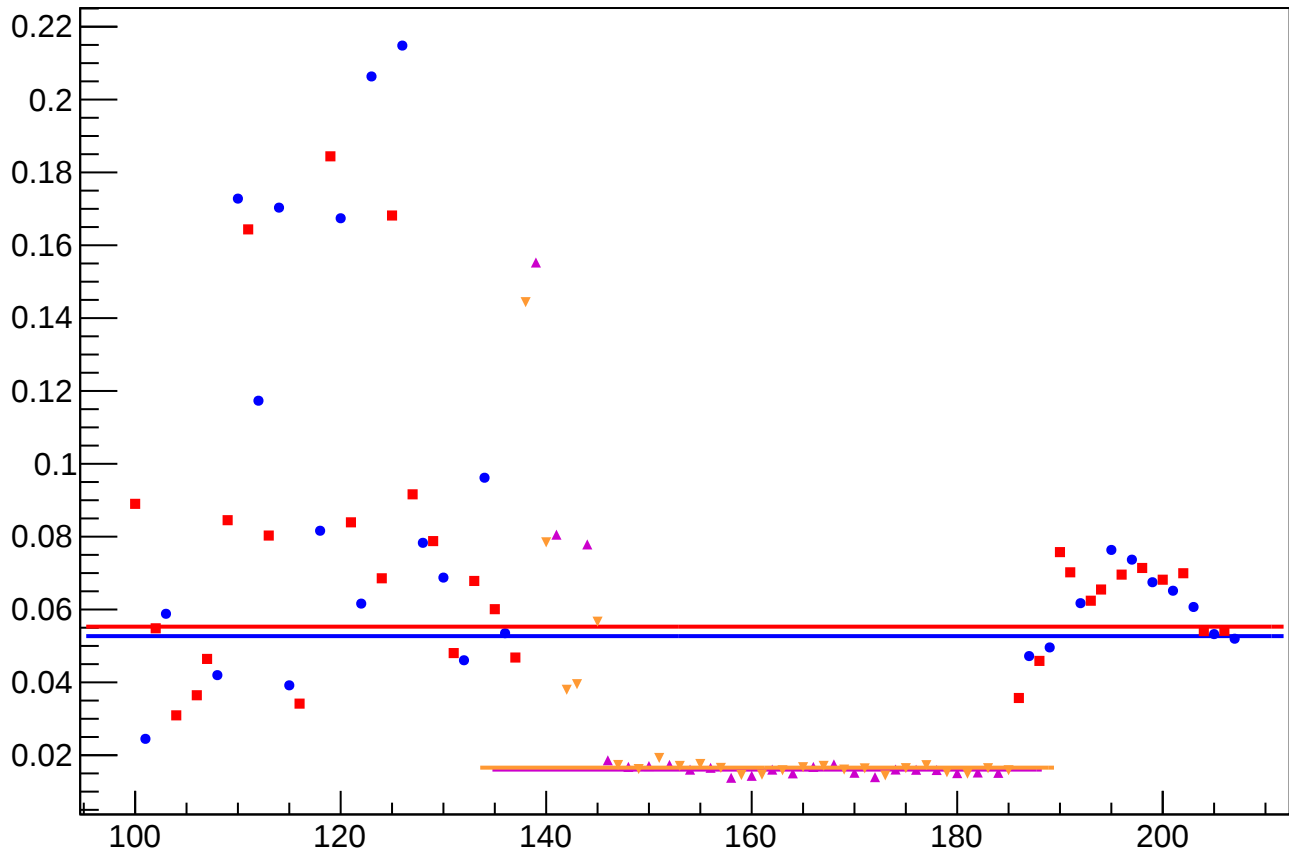
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.139 ± 0.000 χ^2/NDF : 102781283803.8/51

All: 2.113 ± 0.000 χ^2/NDF : 203142670068.3

- sign 2.087 ± 0.000 χ^2/NDF : 100285650387.9/53

yield_bpm1X_rms vs Slug



Right In: 0.053 $\pm$ 0.000 χ^2 /NDF: 3500232.7/26

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2837186.3/30

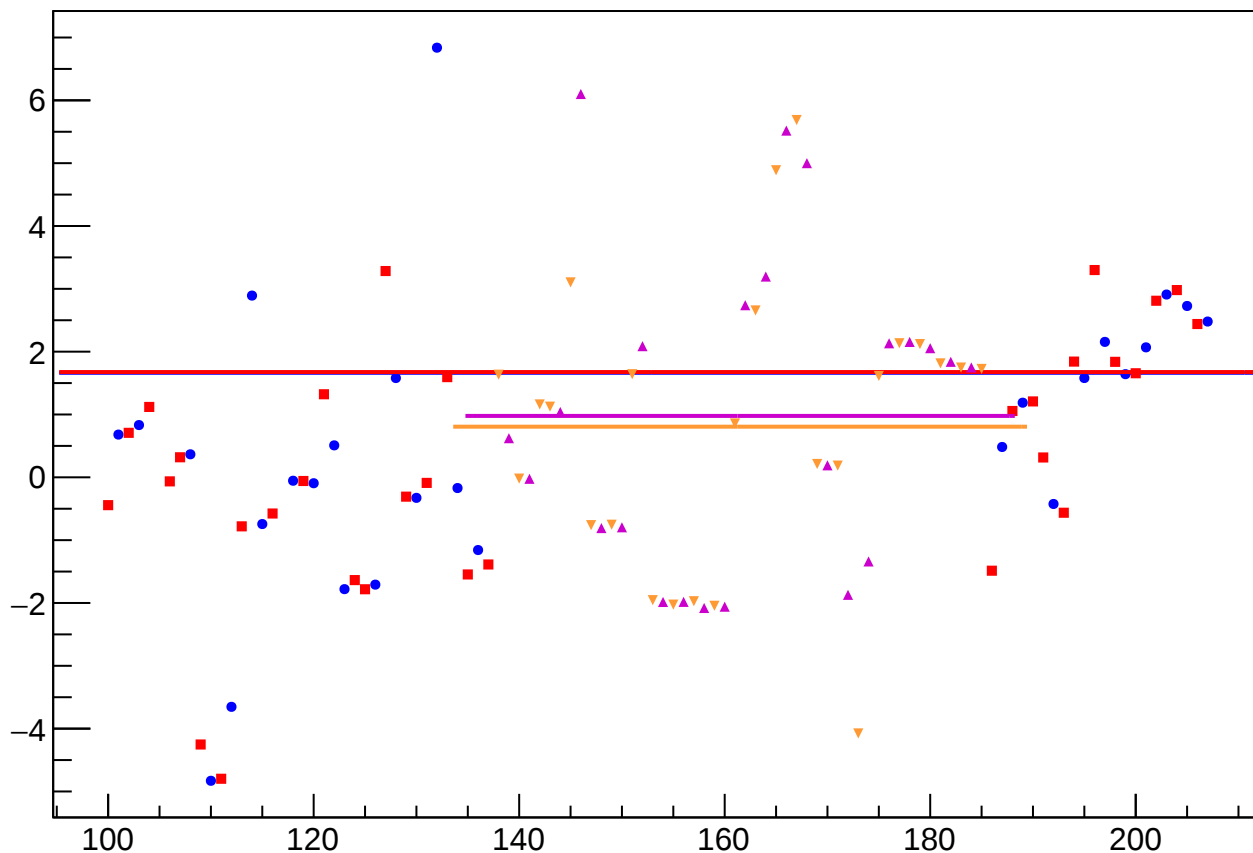
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 14873867.5/51

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 30779517.5/105

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 15900852.7/53

yield_bpm1Y_mean vs Slug



Right In: 1.664 $\pm$ 0.000 χ^2 /NDF: 32570339833.1/26

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 507578952196.2/24

Right Out: 1.675 $\pm$ 0.000 χ^2 /NDF: 33345815951.1/30

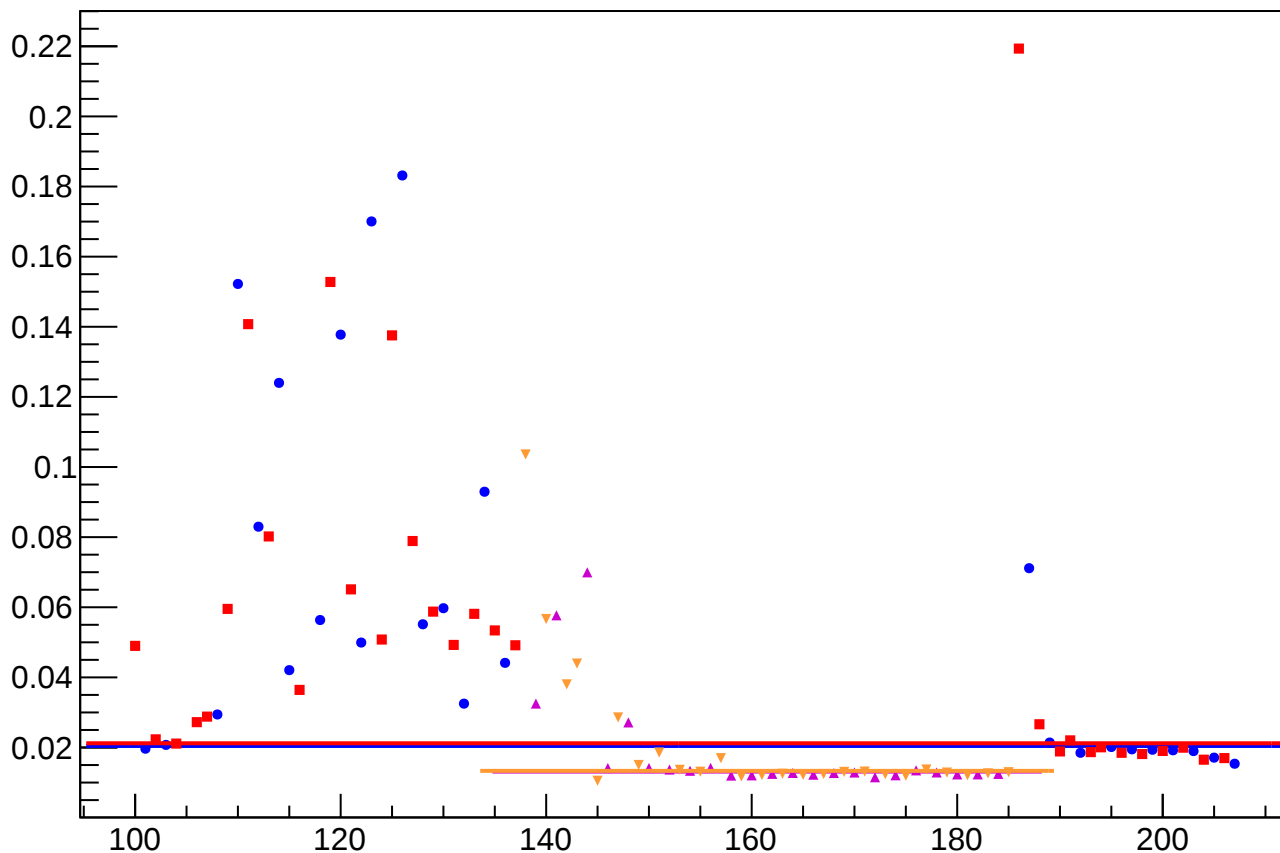
Left In: 0.977 $\pm$ 0.000 χ^2 /NDF: 568209676597.4/22

+ sign 0.980 $\pm$ 0.000 χ^2 /NDF: 552852791599.6/51

All: 1.050 $\pm$ 0.000 χ^2 /NDF: 1163894808994.

- sign 1.120 $\pm$ 0.000 χ^2 /NDF: 610007300583.0/53

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 4061822.2/26

Left Out: 0.013+/-0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.021+/-0.000 χ^2/NDF : 5029909.7/30

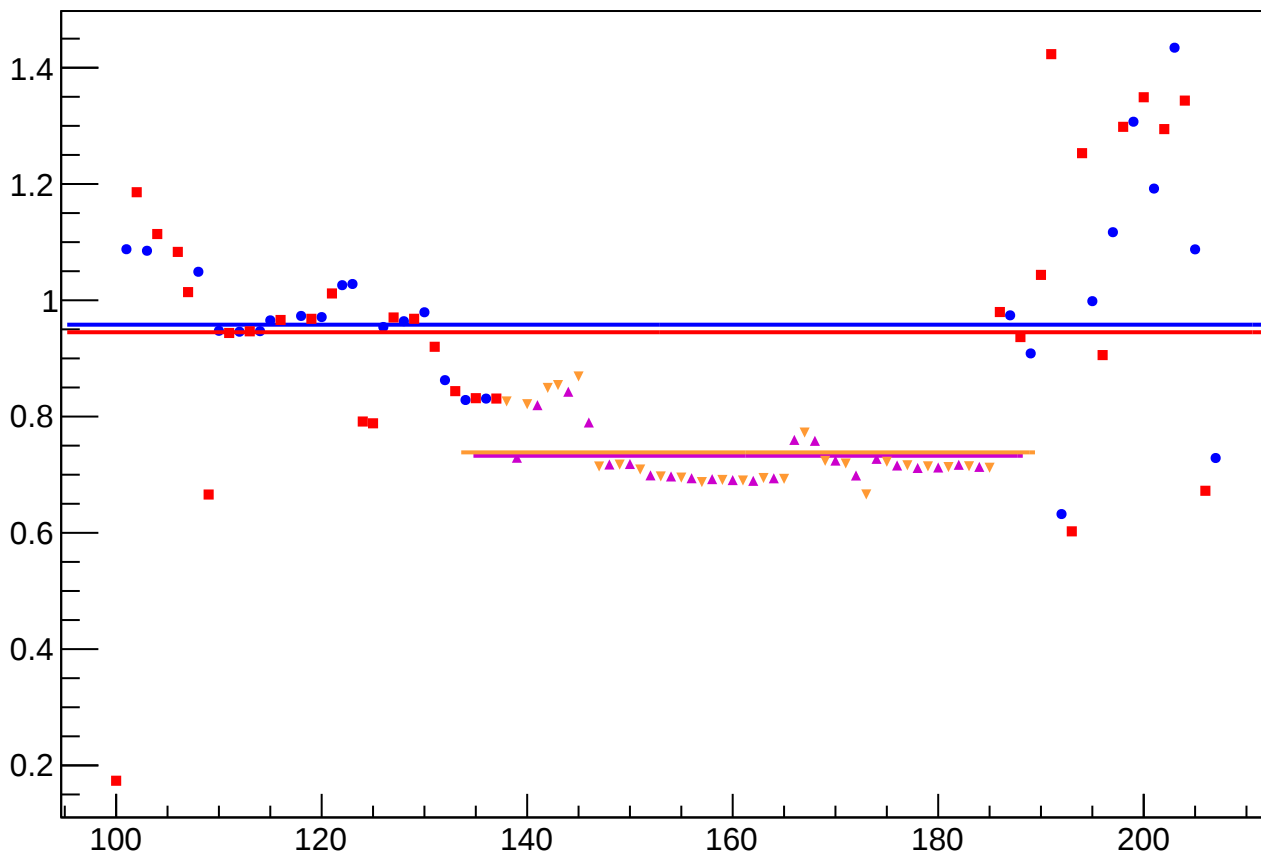
Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

+ sign 0.015+/-0.000 χ^2/NDF : 8633397.0/51

All: 0.015+/-0.000 χ^2/NDF : 17872609.4/105

- sign 0.015+/-0.000 χ^2/NDF : 9239212.3/53

yield_bpm11X_mean vs Slug



Right In: 0.958 $\pm$ 0.000 χ^2 /NDF: 622066721.2/26

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310195180.4/24

Right Out: 0.945 $\pm$ 0.000 χ^2 /NDF: 1053147885.9/30

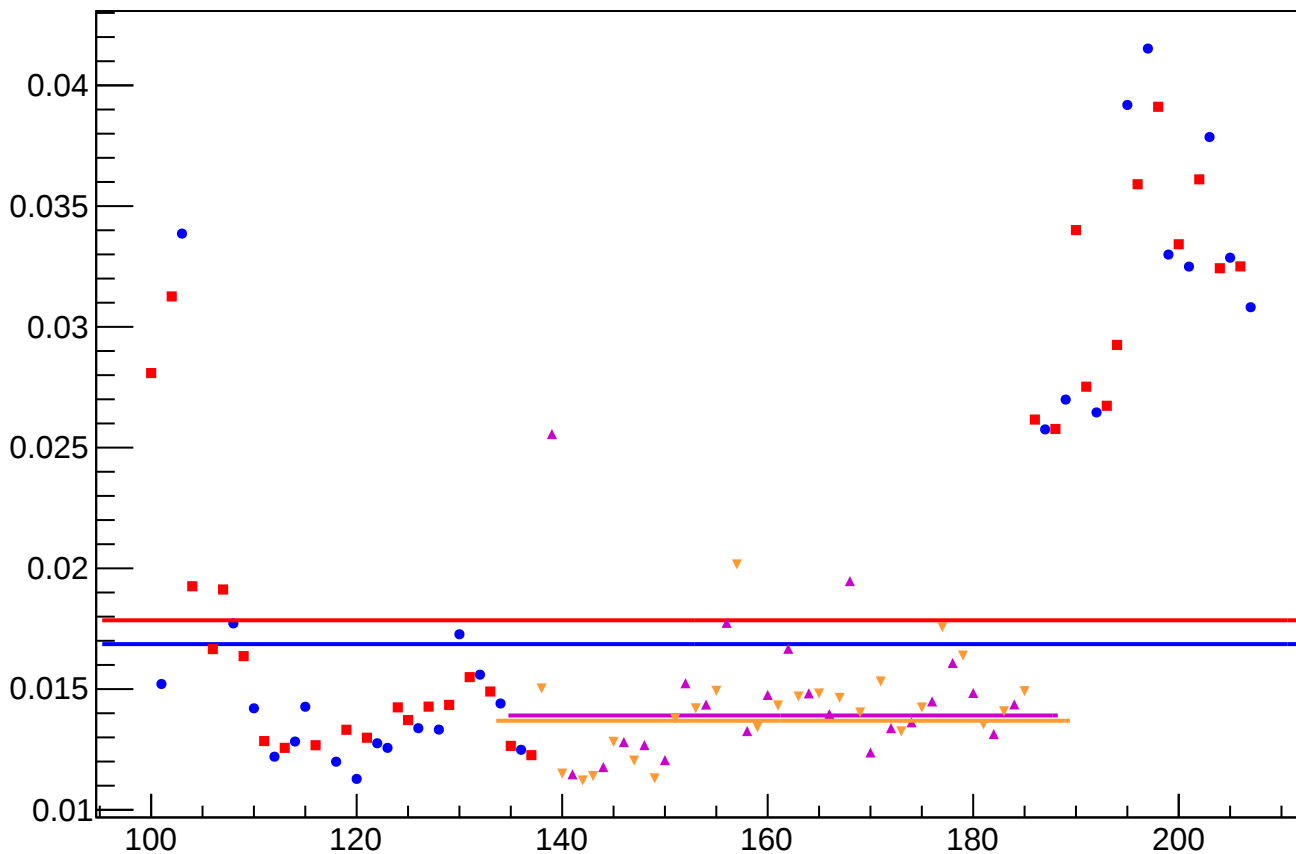
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.805 $\pm$ 0.000 χ^2 /NDF: 2188263654.3/51

All: 0.802 $\pm$ 0.000 χ^2 /NDF: 4556785976.4/10

- sign 0.800 $\pm$ 0.000 χ^2 /NDF: 2367221797.8/53

yield_bpm11X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 4356376.7/26

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.018+/-0.000 χ^2/NDF : 4037262.0/30

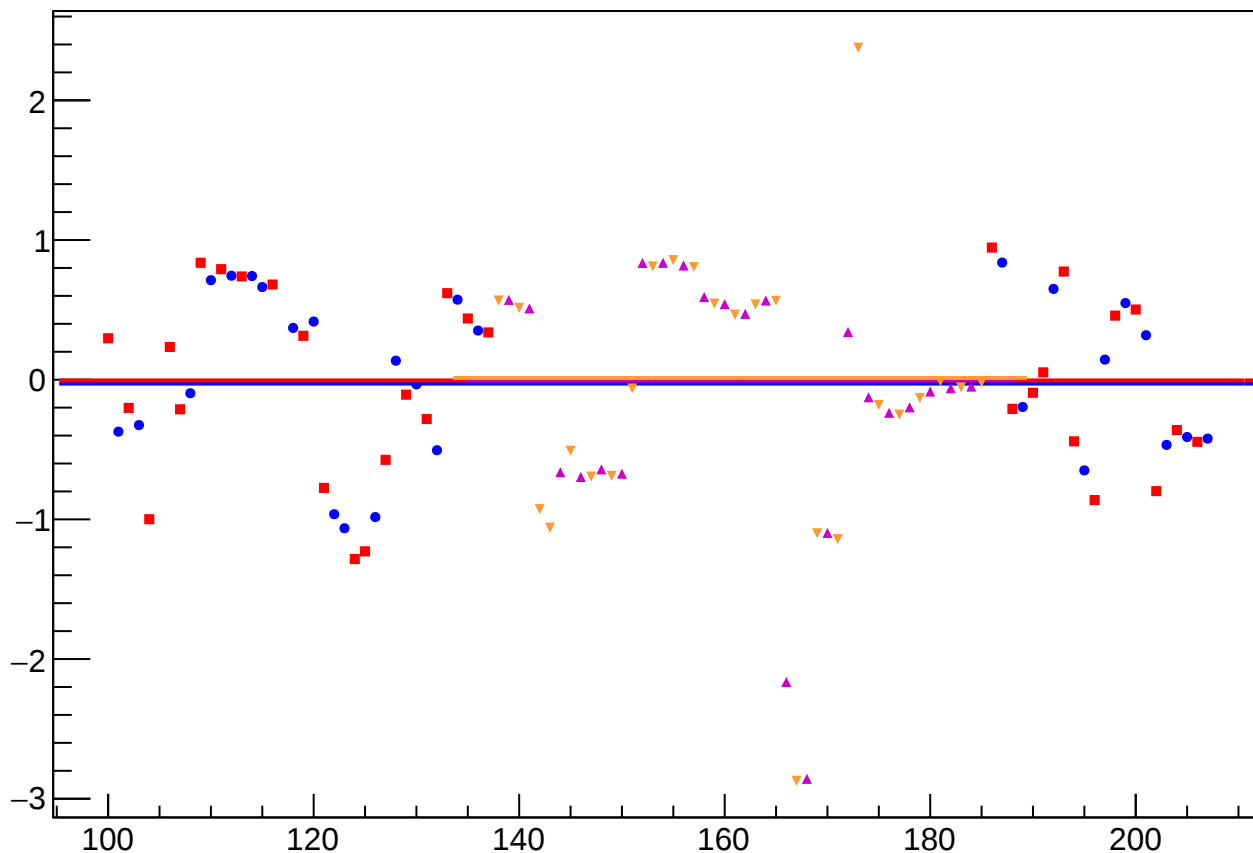
Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 5408887.3/51

All: 0.015+/-0.000 χ^2/NDF : 11033289.4/105

- sign 0.015+/-0.000 χ^2/NDF : 5592978.7/53

yield_bpm11Y_mean vs Slug



Right In: -0.028 ± 0.000 χ^2/NDF : 19308083907.5/26

Left Out: 0.012 ± 0.000 χ^2/NDF : 96383858927.1/24

Right Out: -0.005 ± 0.000 χ^2/NDF : 29568576866.4/30

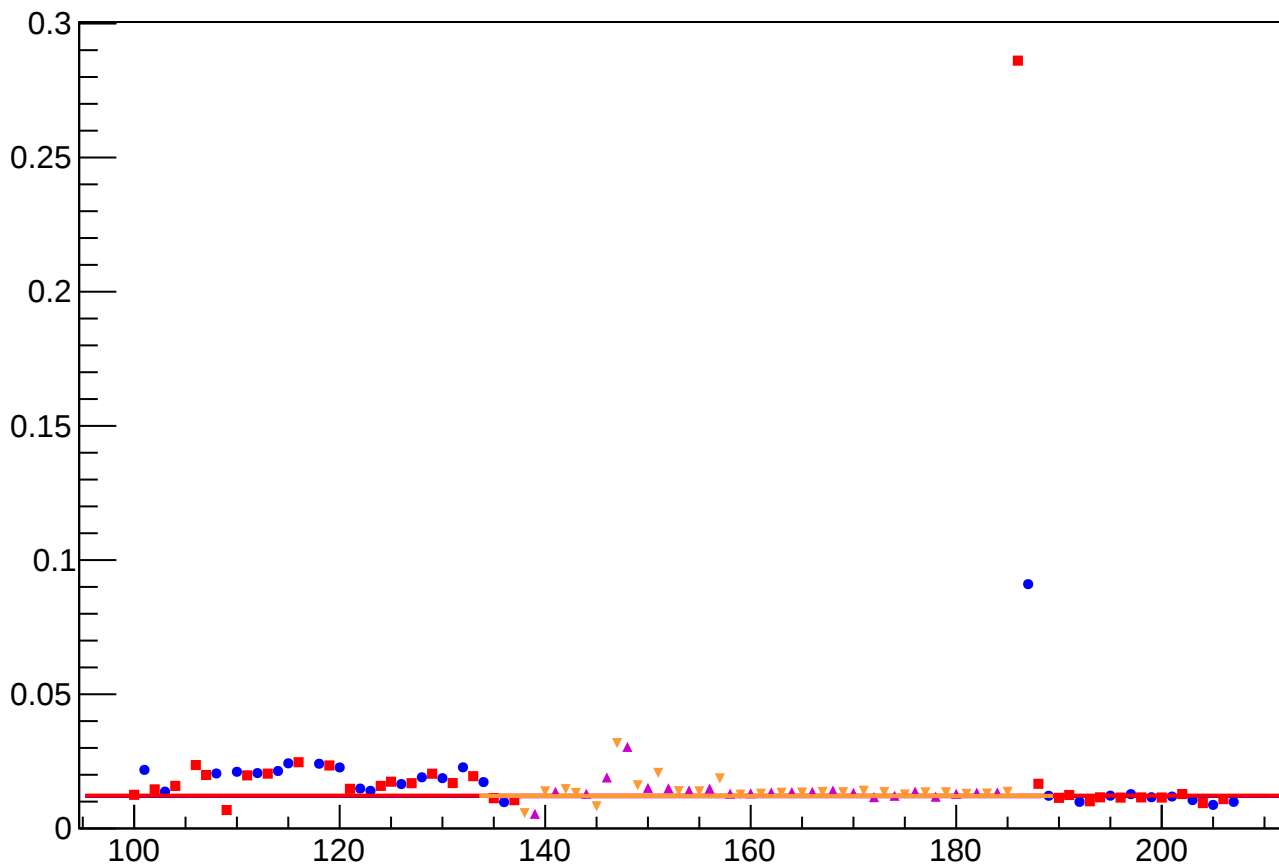
Left In: 0.003 ± 0.000 χ^2/NDF : 78826489573.0/22

+ sign -0.005 ± 0.000 χ^2/NDF : 115765973832.3/51

All: -0.003 ± 0.000 χ^2/NDF : 224165767871.9

- sign -0.001 ± 0.000 χ^2/NDF : 108398333524.2/53

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2318184.4/26

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2679968.5/30

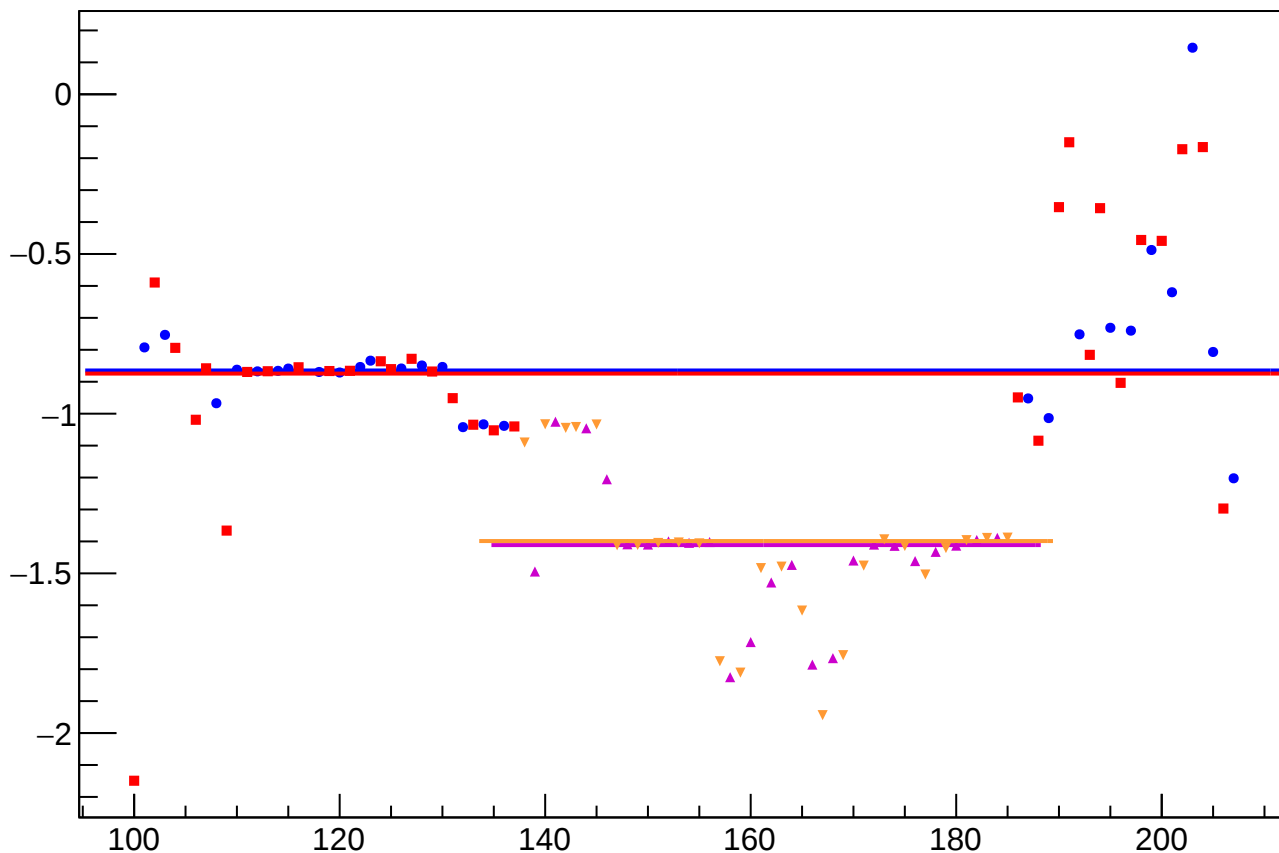
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5423453.2/51

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11112215.4/105

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5688759.3/53

yield_bpm12X_mean vs Slug



Right In: -0.865+/-0.000 χ^2/NDF : 187027252.4/26

Left Out: -1.399+/-0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.874+/-0.000 χ^2/NDF : 394036492.1/30

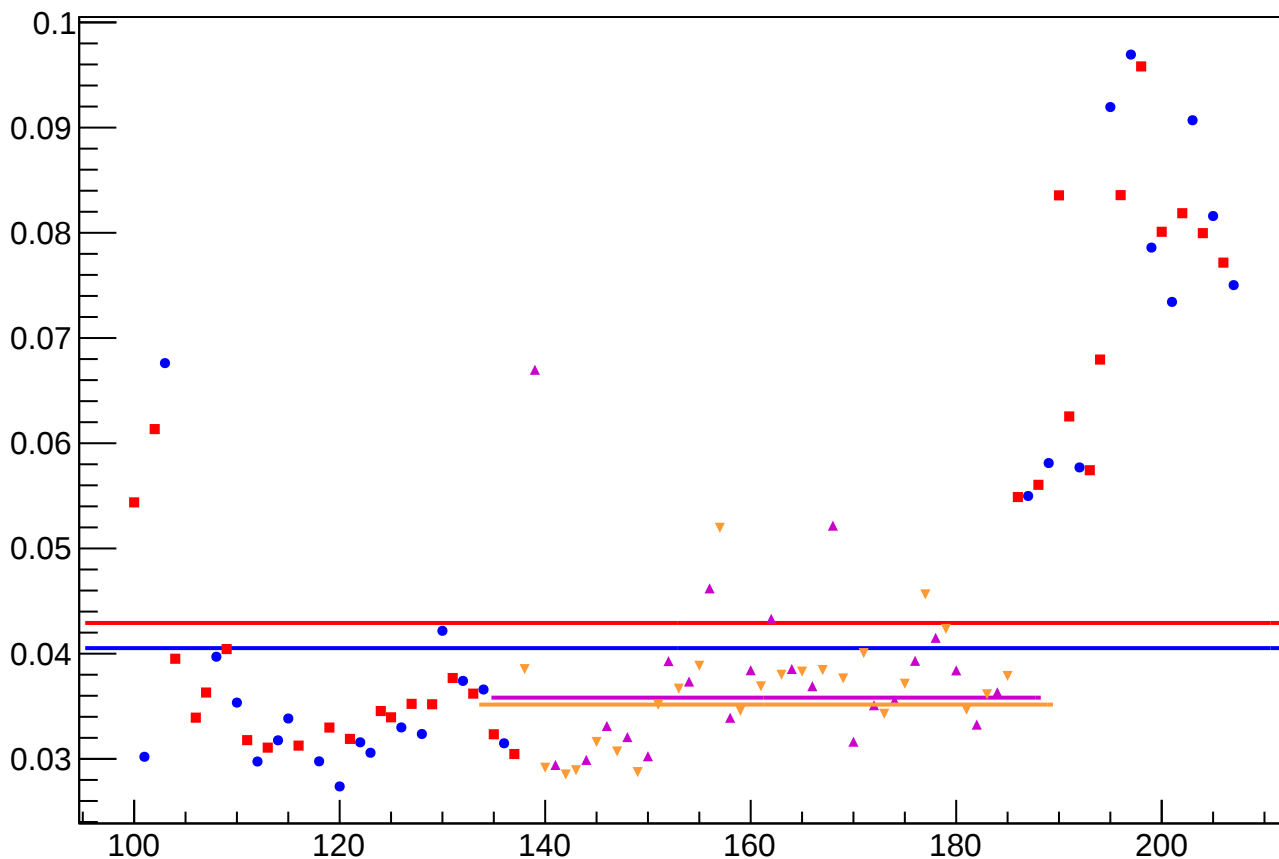
Left In: -1.411+/-0.000 χ^2/NDF : 512547995.0/22

+ sign -1.219+/-0.000 χ^2/NDF : 2168655641.9/51

All: -1.220+/-0.000 χ^2/NDF : 4293526741.8/1

- sign -1.221+/-0.000 χ^2/NDF : 2124845844.3/53

yield_bpm12X_rms vs Slug



Right In: 0.041+/-0.000 χ^2/NDF : 4029304.8/26

Left Out: 0.035+/-0.000 χ^2/NDF :595219.5/24

Right Out: 0.043+/-0.000 χ^2/NDF : 3543048.9/30

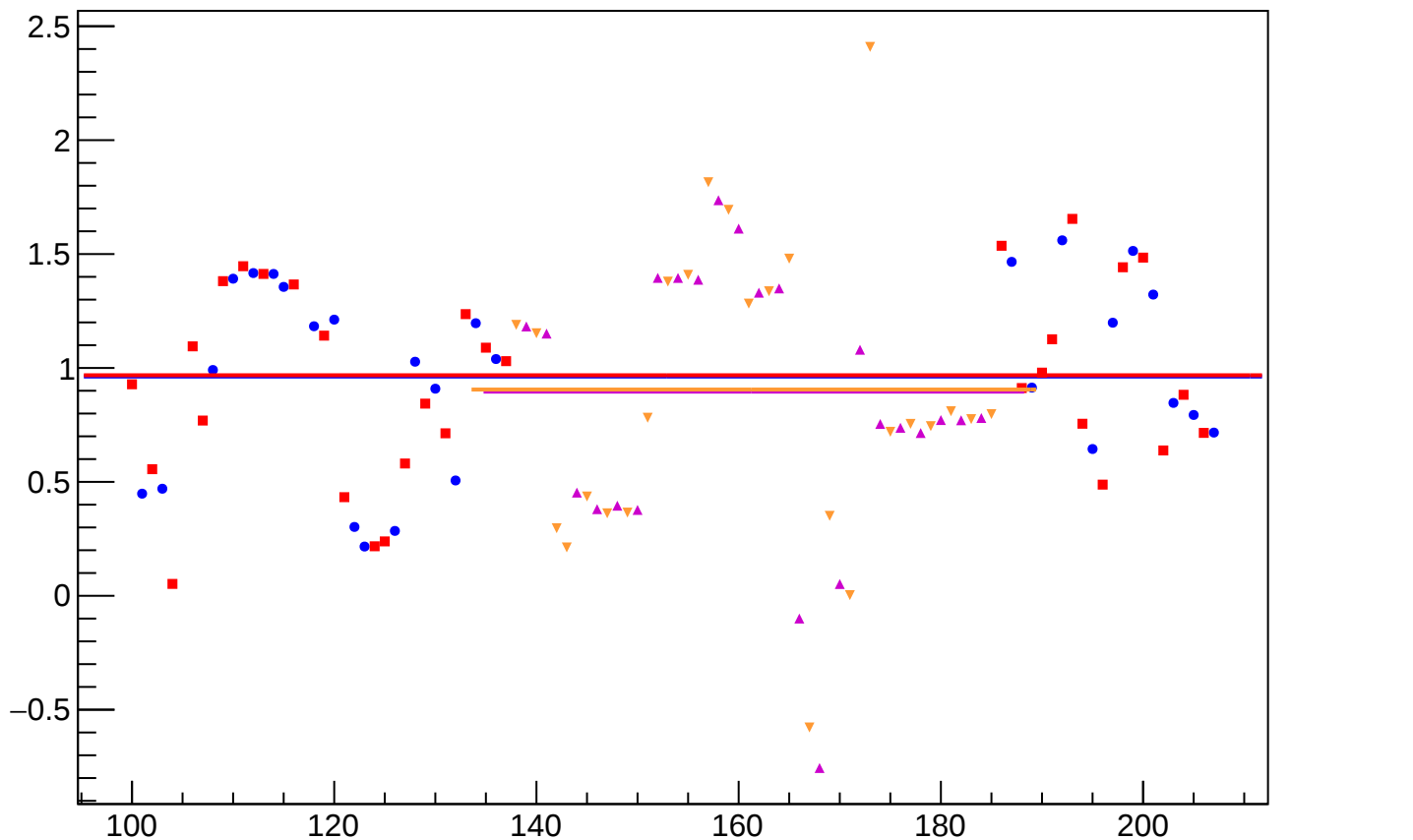
Left In: 0.036+/-0.000 χ^2/NDF :864147.6/22

+ sign 0.037+/-0.000 χ^2/NDF : 4875691.5/51

All: 0.038+/-0.000 χ^2/NDF : 9744526.4/105

- sign 0.038+/-0.000 χ^2/NDF : 4833030.0/53

yield_bpm12Y_mean vs Slug



Right In: 0.962 $\pm$ 0.000 χ^2 /NDF: 22383639209.2/26

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 0.968 $\pm$ 0.000 χ^2 /NDF: 27199449704.6/30

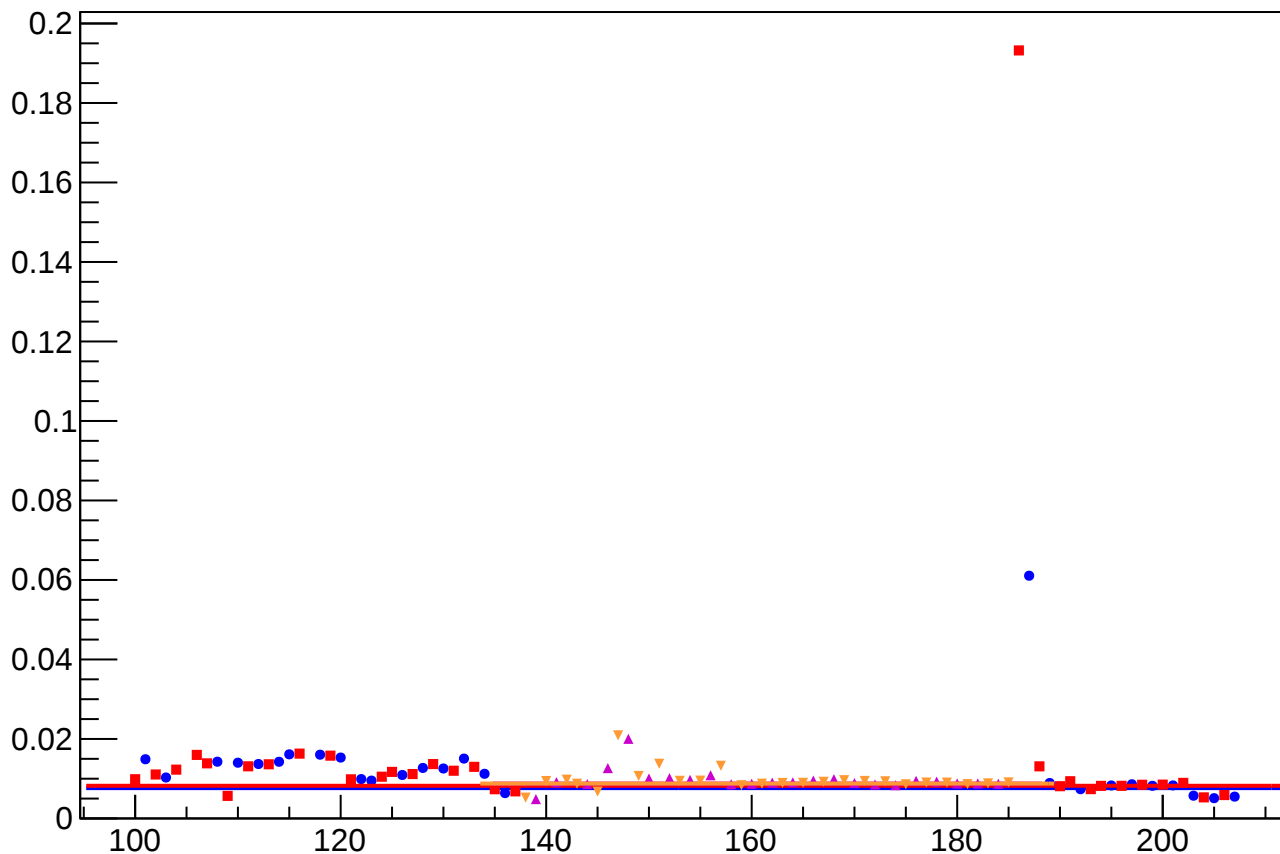
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.932 $\pm$ 0.000 χ^2 /NDF: 106987015546.8/51

All: 0.931 $\pm$ 0.000 χ^2 /NDF: 201279038547.3

- sign 0.930 $\pm$ 0.000 χ^2 /NDF: 94291028289.7/53

yield_bpm12Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 3046930.6/26

Left Out: 0.009+/-0.000 χ^2/NDF :1697568.1/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3111694.5/30

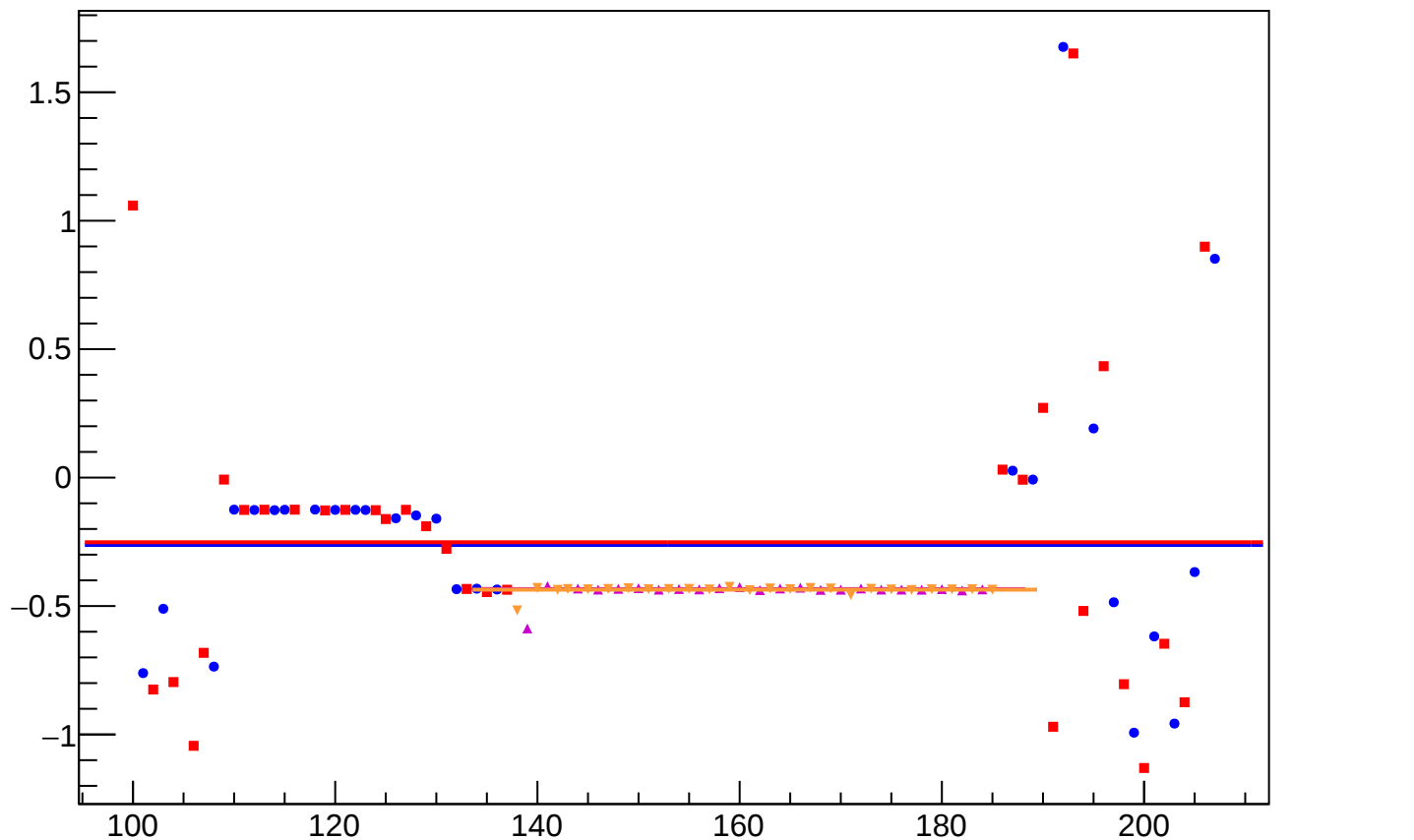
Left In: 0.009+/-0.000 χ^2/NDF :1607939.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 5017050.7/51

All: 0.008+/-0.000 χ^2/NDF : 9825991.1/105

- sign 0.009+/-0.000 χ^2/NDF : 4778343.5/53

yield_bpm16X_mean vs Slug



Right In: -0.262 ± 0.000 $\chi^2/\text{NDF}: 2632355956.7/26$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28774660.0/24$

Right Out: -0.252 ± 0.000 $\chi^2/\text{NDF}: 2660983279.4/30$

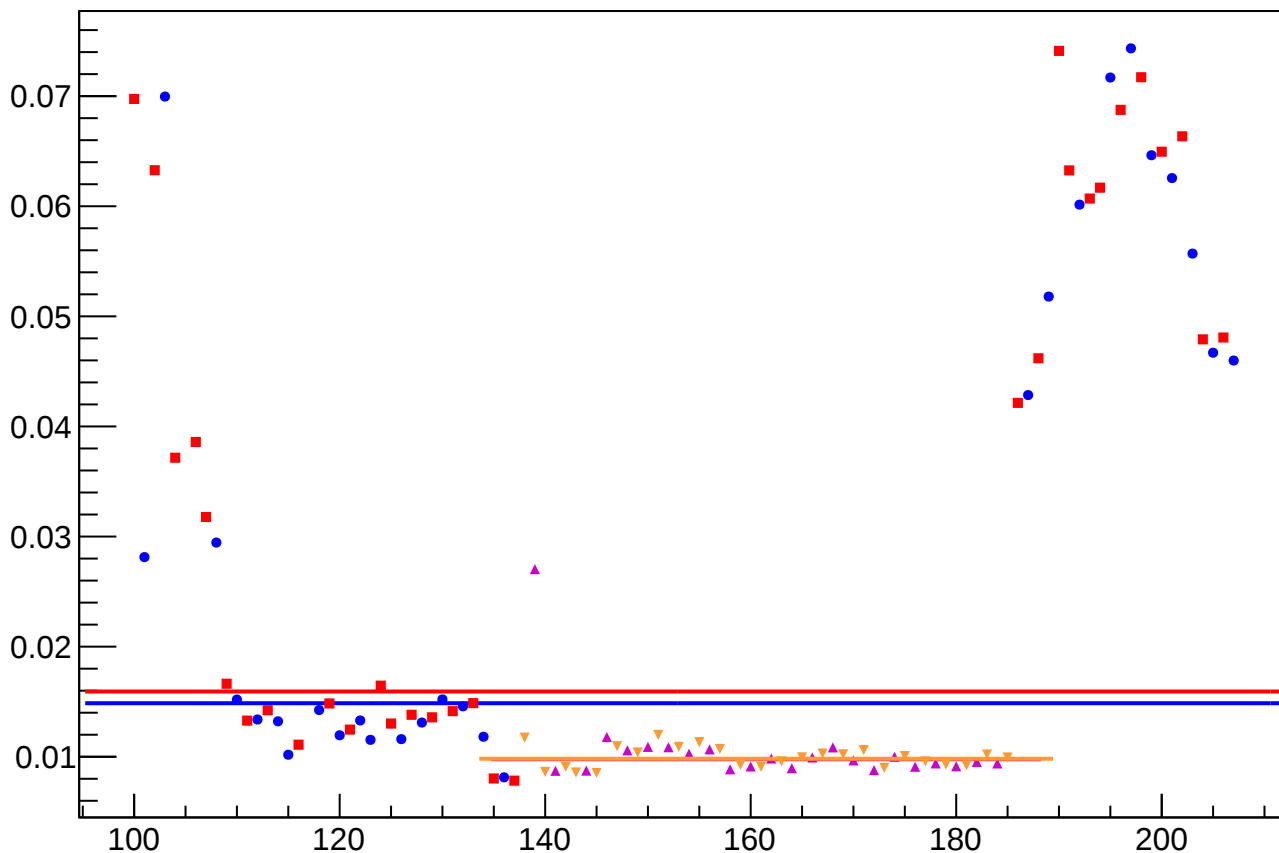
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 23984173.0/22$

+ sign -0.406 ± 0.000 $\chi^2/\text{NDF}: 3514006340.5/51$

All: -0.404 ± 0.000 $\chi^2/\text{NDF}: 7084603065.5/1$

- sign -0.402 ± 0.000 $\chi^2/\text{NDF}: 3569271844.8/53$

yield_bpm16X_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 9747834.7/26

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:269242.6/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 10615049.1/30

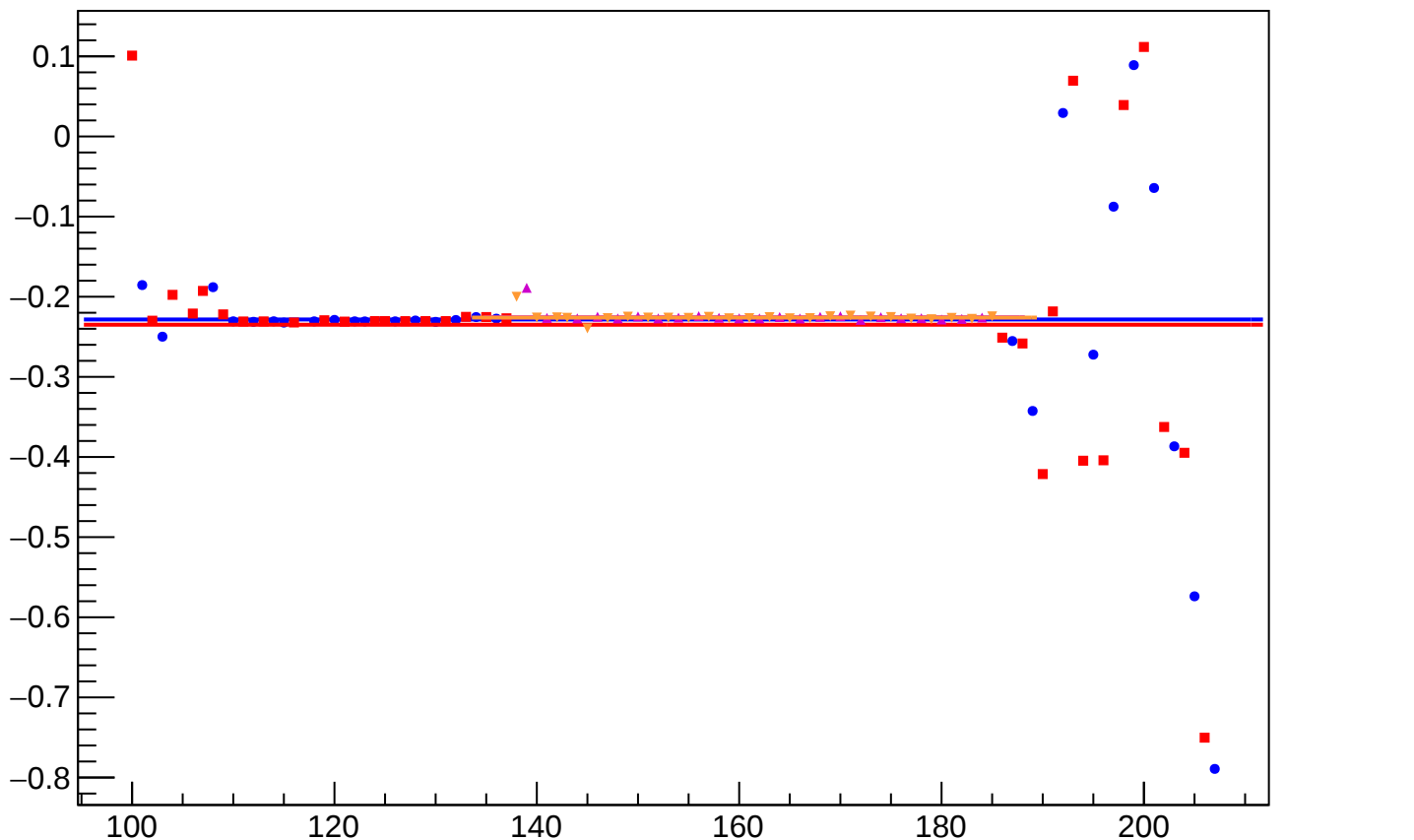
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 11449277.1/51

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 24827670.8/105

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 13374018.1/53

yield_bpm16Y_mean vs Slug



Right In: -0.228 ± 0.000 $\chi^2/\text{NDF}: 14046992931.2/26$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21205667.4/24$

+ sign -0.227 ± 0.000 $\chi^2/\text{NDF}: 14069712098.5/51$

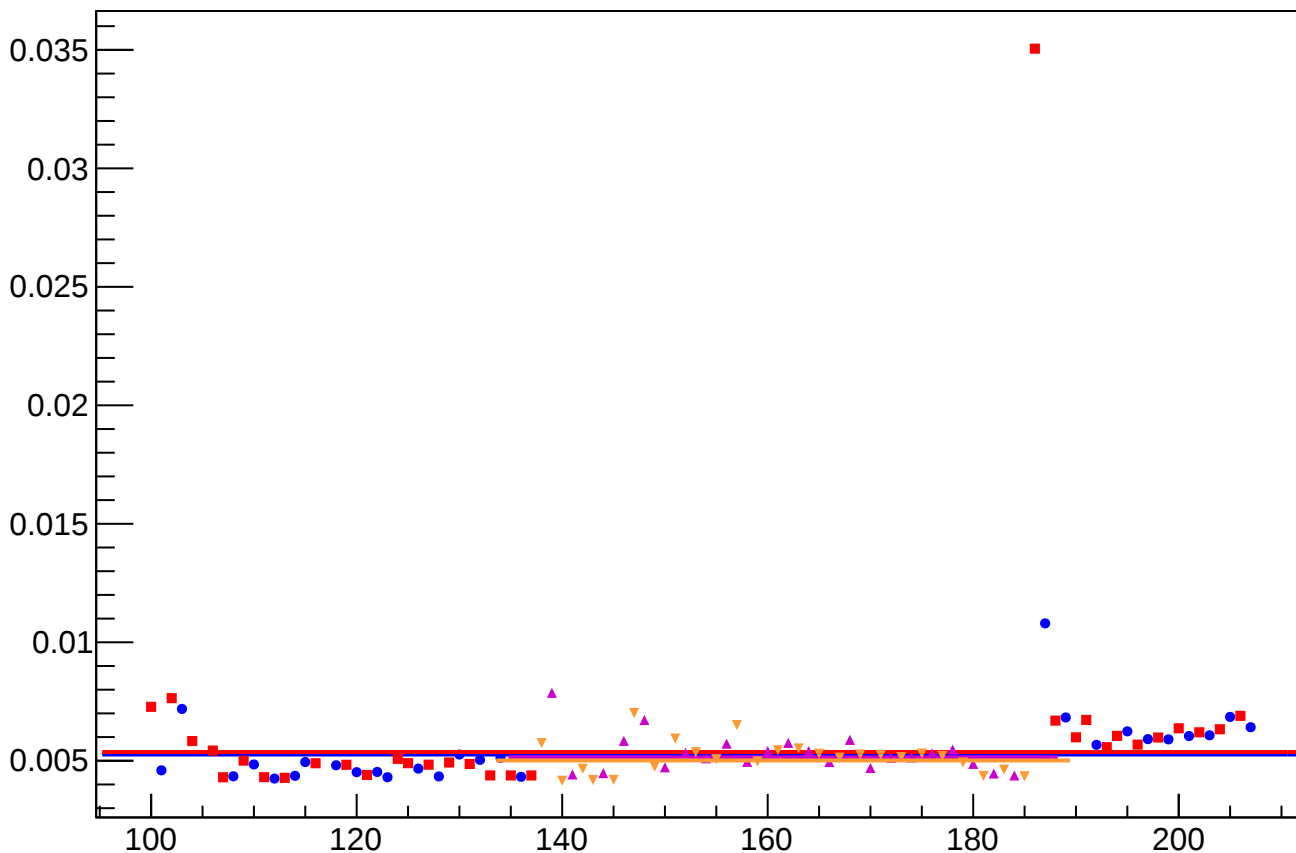
Right Out: -0.235 ± 0.000 $\chi^2/\text{NDF}: 13480447369.2/30$

All: -0.228 ± 0.000 $\chi^2/\text{NDF}: 27592134924.2/101$

- sign -0.230 ± 0.000 $\chi^2/\text{NDF}: 13518248653.7/53$

Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 15245251.1/22$

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 756708.1/26

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1255335.4/30

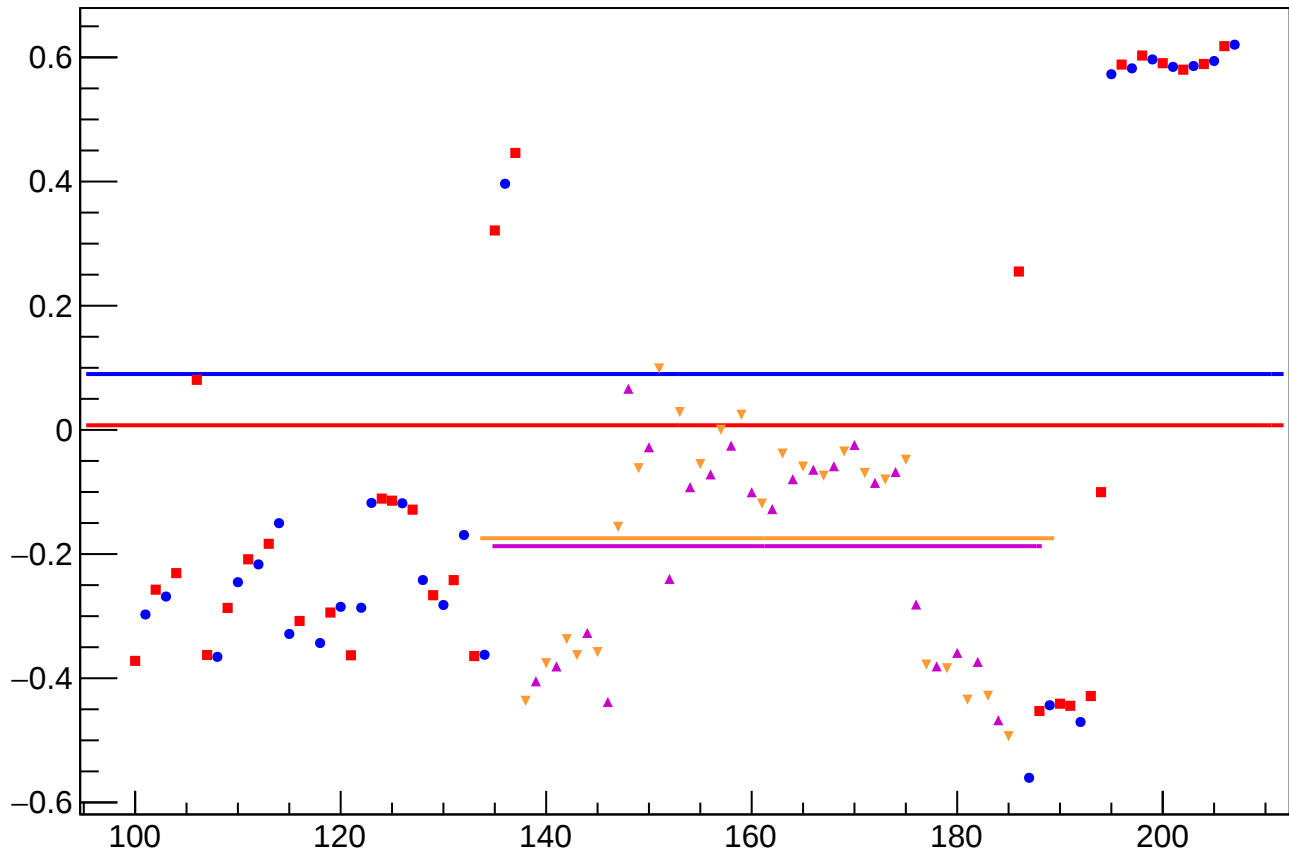
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 1321704.2/51

All: 0.005+/-0.000 χ^2/NDF : 3115385.2/105

- sign 0.005+/-0.000 χ^2/NDF : 1775044.7/53

yield_bpm0i02X_mean vs Slug



Right In: 0.090 $\pm$ 0.000 χ^2 /NDF: 57622475699.4/26

Left Out: -0.174 $\pm$ 0.000 χ^2 /NDF: 18025533236.1/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 54624792519.0/30

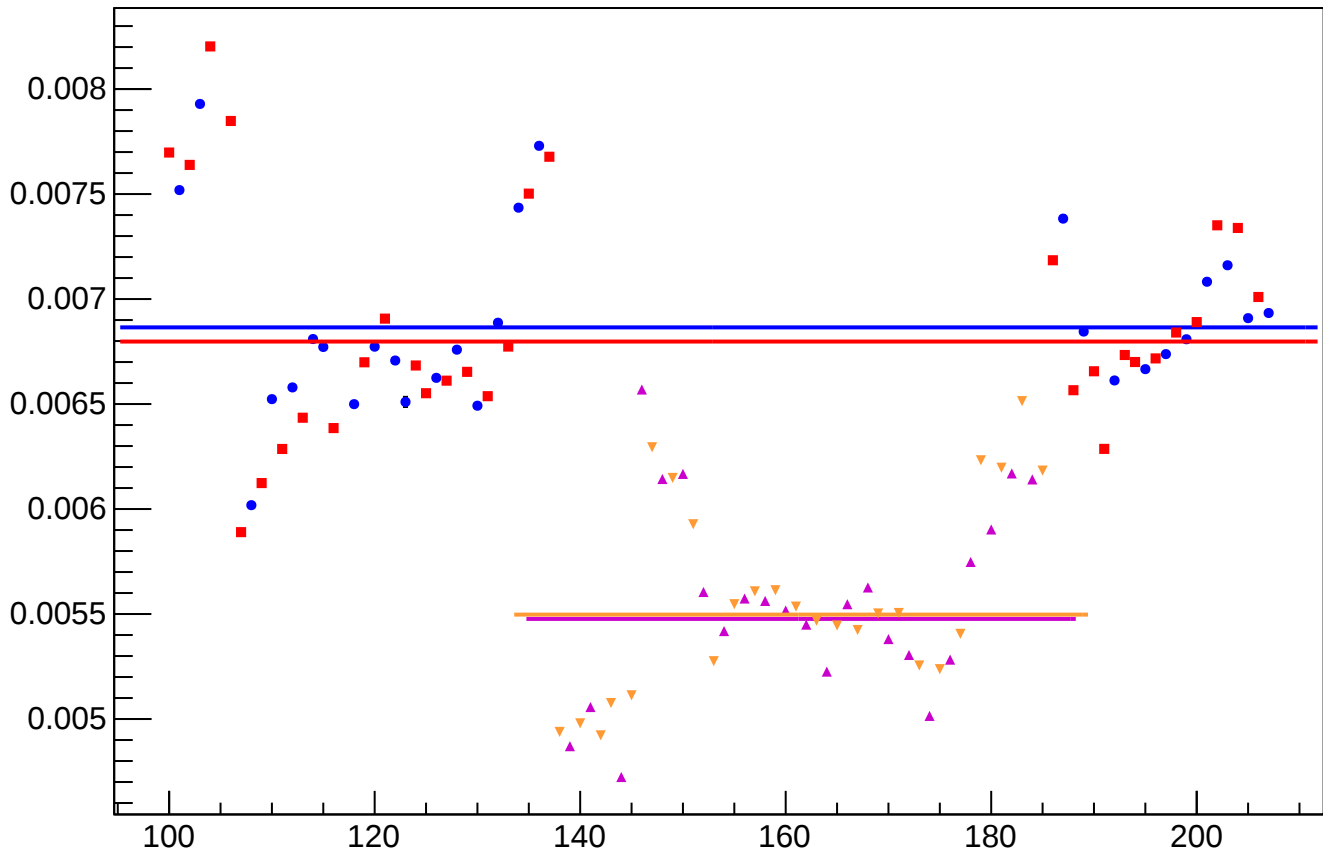
Left In: -0.187 $\pm$ 0.000 χ^2 /NDF: 12816646575.4/22

+ sign -0.086 $\pm$ 0.000 χ^2 /NDF: 89130326646.6/51

All: -0.101 $\pm$ 0.000 χ^2 /NDF: 164589617407.9

- sign -0.116 $\pm$ 0.000 χ^2 /NDF: 75088268835.6/53

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 89263.1/26

Left Out: 0.005+/-0.000 χ^2/NDF : 198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 130089.3/30

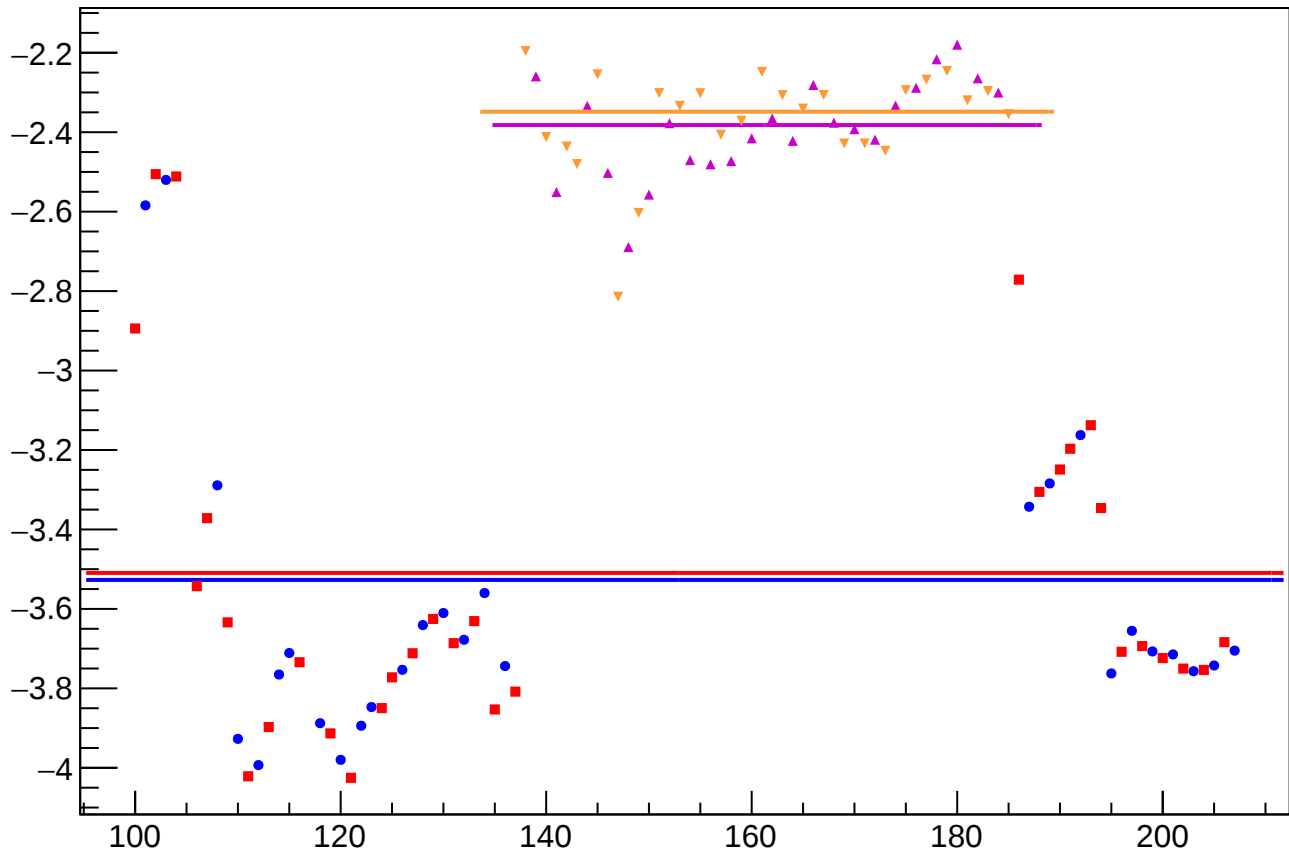
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 1009499.2/51

All: 0.006+/-0.000 χ^2/NDF : 2045620.8/105

- sign 0.006+/-0.000 χ^2/NDF : 1036036.7/53

yield_bpm0i02Y_mean vs Slug



Right In: -3.527+/-0.000 χ^2/NDF : 29945343950.2/26

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.509+/-0.000 χ^2/NDF : 30813075038.6/30

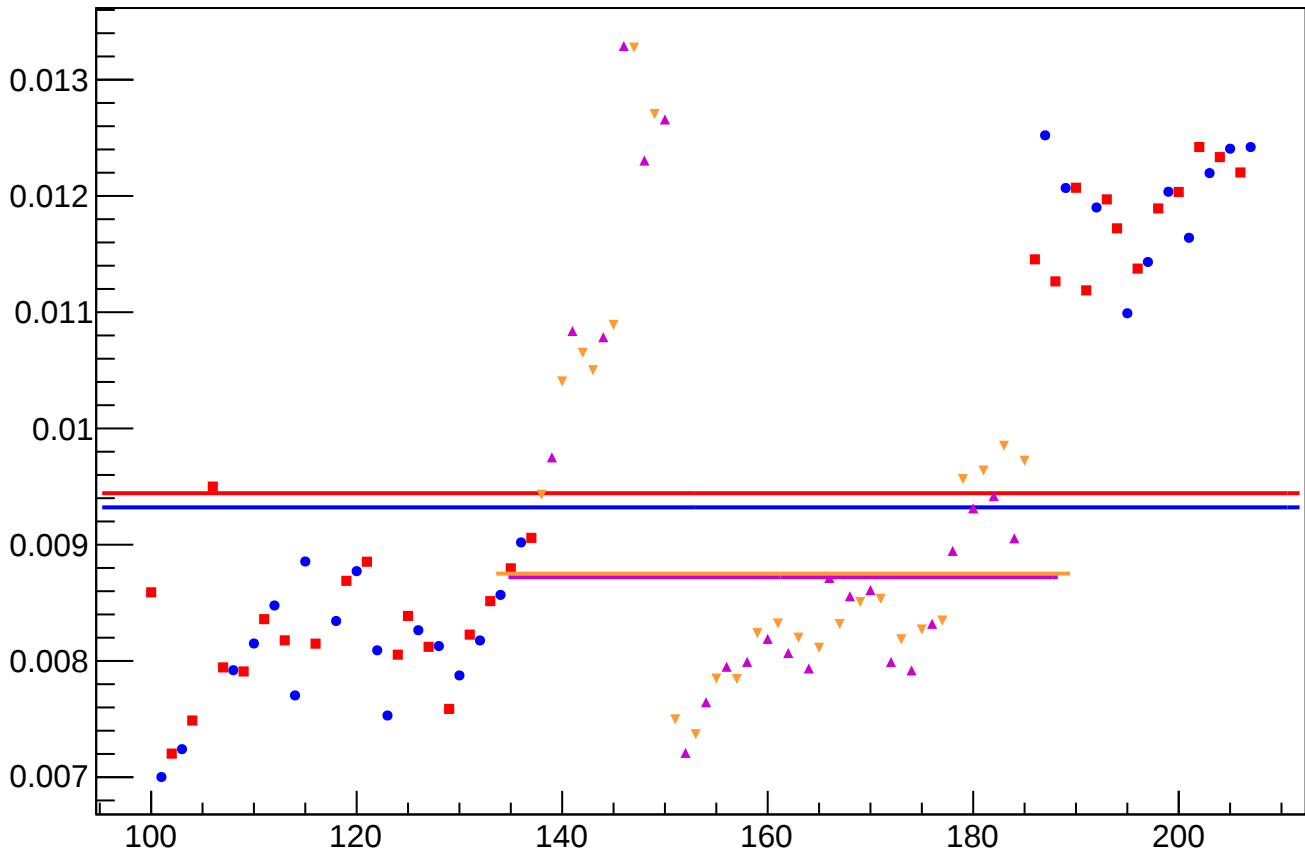
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.820+/-0.000 χ^2/NDF : 157080994178.7/51

All: -2.841+/-0.000 χ^2/NDF : 306159606112.1

- sign -2.863+/-0.000 χ^2/NDF : 148736523122.0/53

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1069022.5/26

Left Out: 0.009+/-0.000 χ^2/NDF :663672.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 1066242.5/30

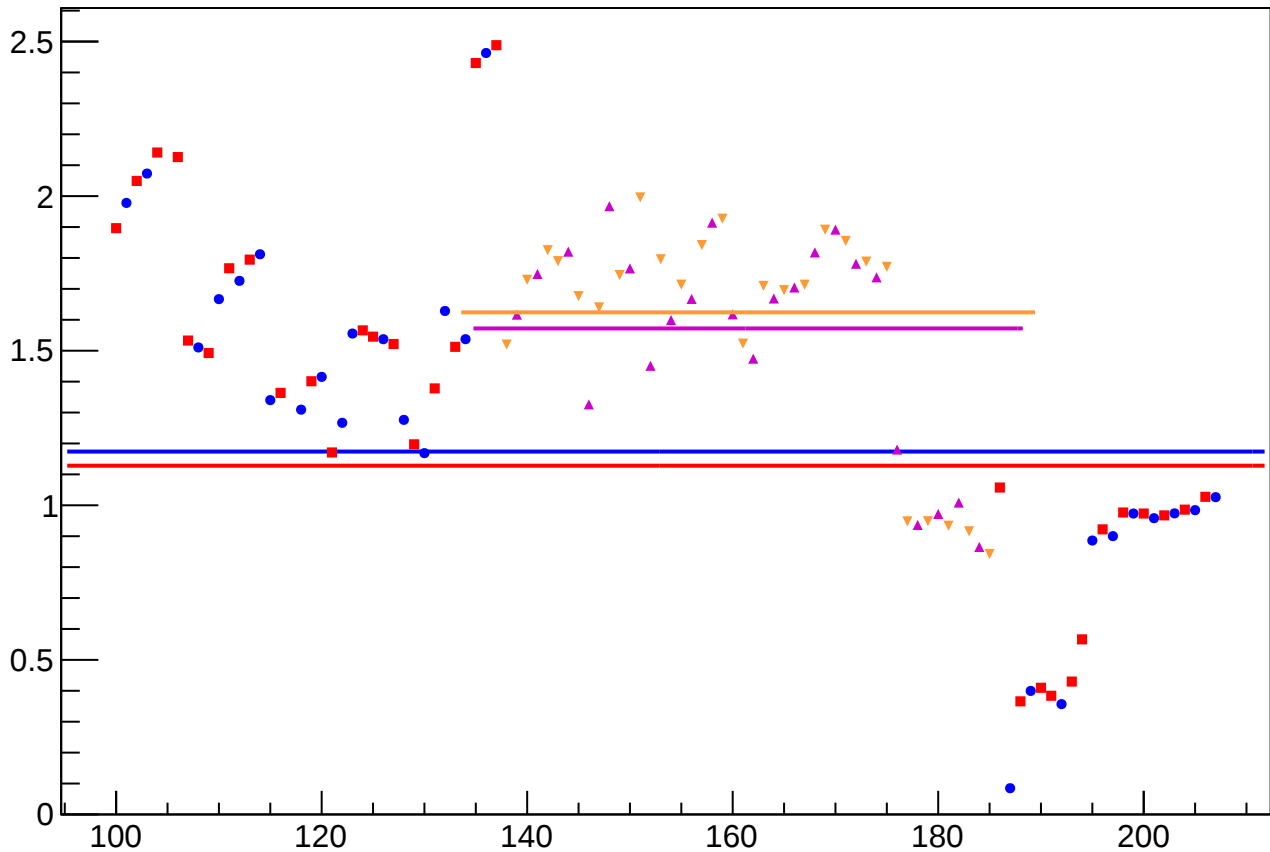
Left In: 0.009+/-0.000 χ^2/NDF :747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1791125.5/51

All: 0.009+/-0.000 χ^2/NDF : 3701107.9/105

- sign 0.009+/-0.000 χ^2/NDF : 1909079.0/53

yield_bpm0i02aX_mean vs Slug



Right In: 1.174 $\pm$ 0.000 χ^2 /NDF: 27448020662.6/26

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.128 $\pm$ 0.000 χ^2 /NDF: 32644225397.5/30

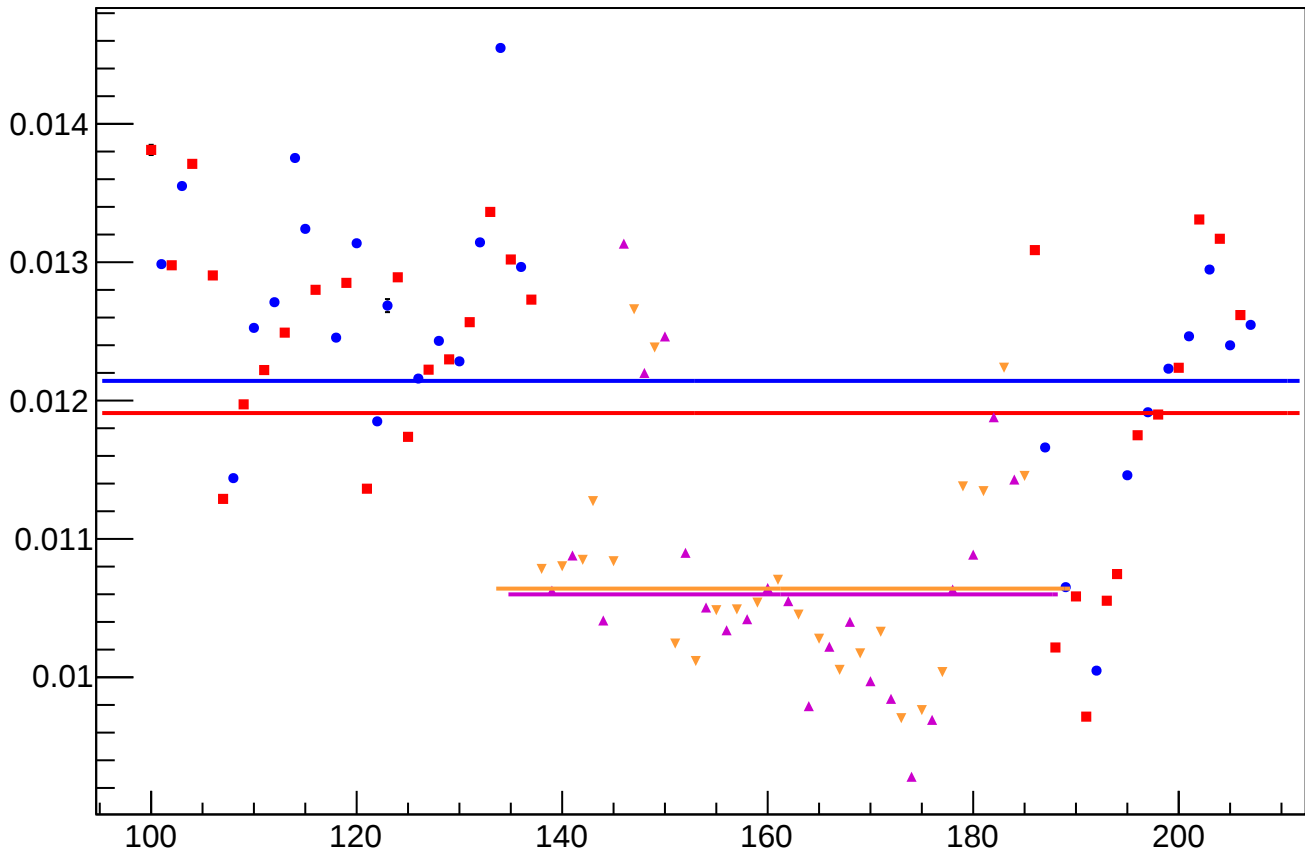
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.457 $\pm$ 0.000 χ^2 /NDF: 55795310444.0/51

All: 1.423 $\pm$ 0.000 χ^2 /NDF: 115215732747.4

- sign 1.389 $\pm$ 0.000 χ^2 /NDF: 58845480085.1/53

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 167073.9/26

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 231027.0/30

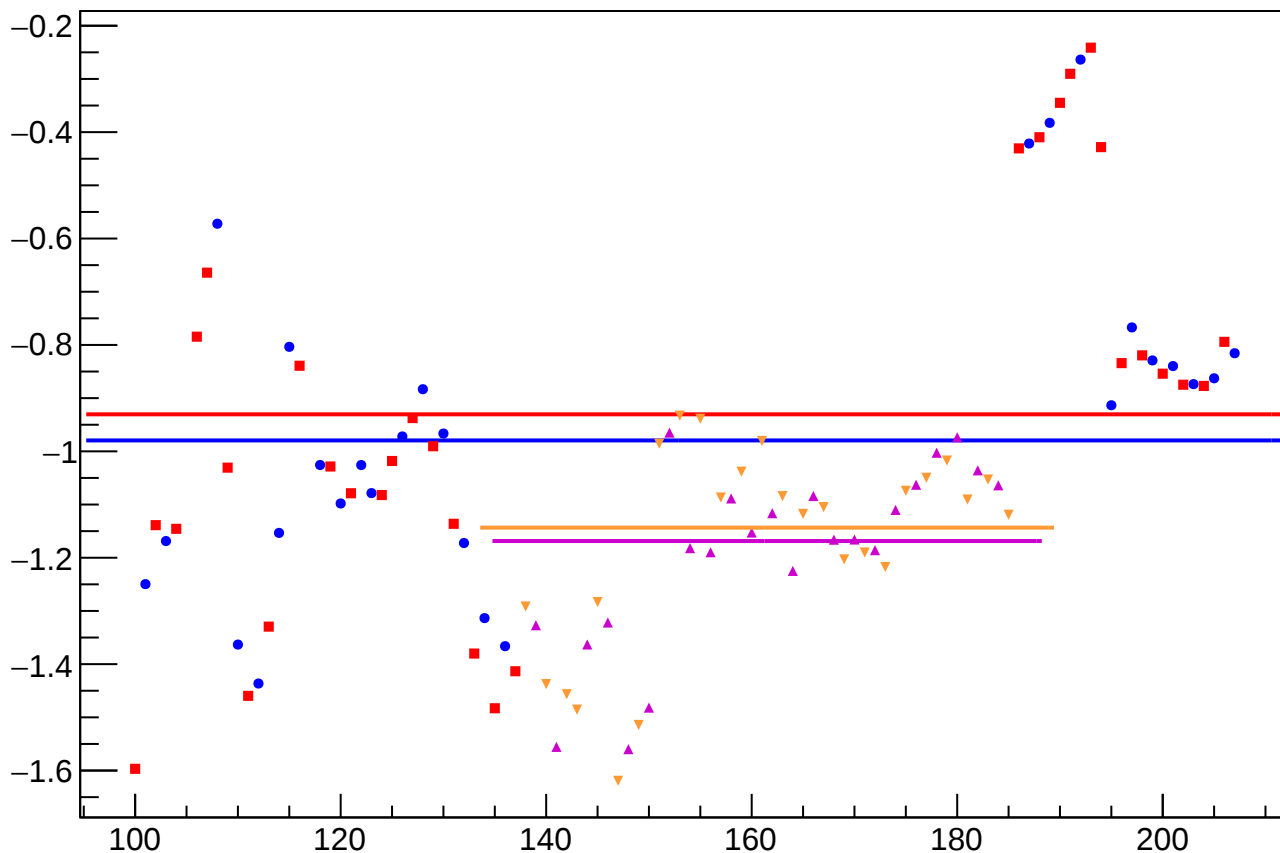
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 587312.0/51

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1232445.8/105

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 644273.0/53

yield_bpm0i02aY_mean vs Slug



Right In: -0.979+/-0.000 χ^2/NDF : 11010741993.0/26

Left Out: -1.143+/-0.000 χ^2/NDF : 7976364534.0/24

Right Out: -0.930+/-0.000 χ^2/NDF : 15873891621.5/30

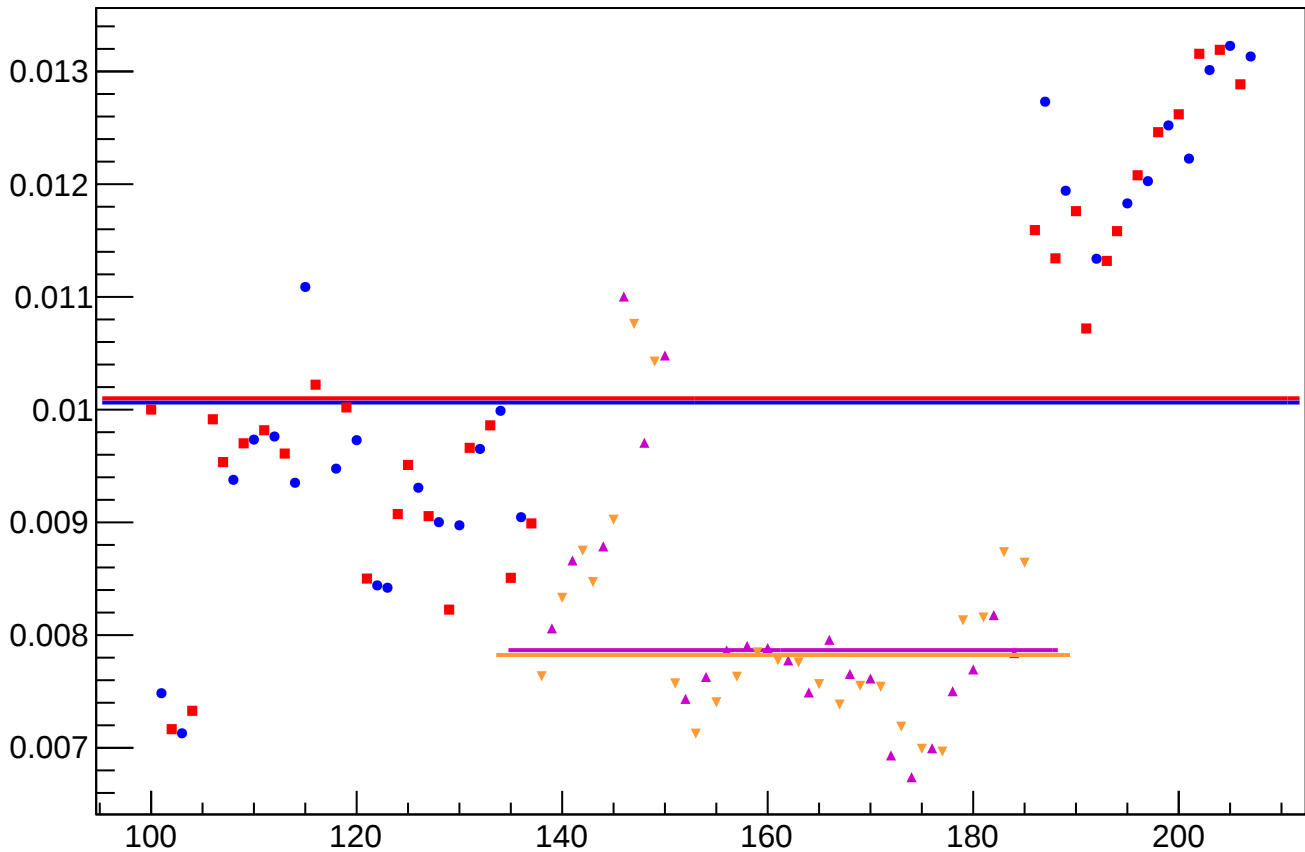
Left In: -1.169+/-0.000 χ^2/NDF : 6362643368.6/22

+ sign -1.092+/-0.000 χ^2/NDF : 21346537440.7/51

All: -1.089+/-0.000 χ^2/NDF : 48714184653.0/100

- sign -1.086+/-0.000 χ^2/NDF : 27361565862.1/53

yield_bpm0i02aY_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 917987.4/26

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:336387.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 907845.7/30

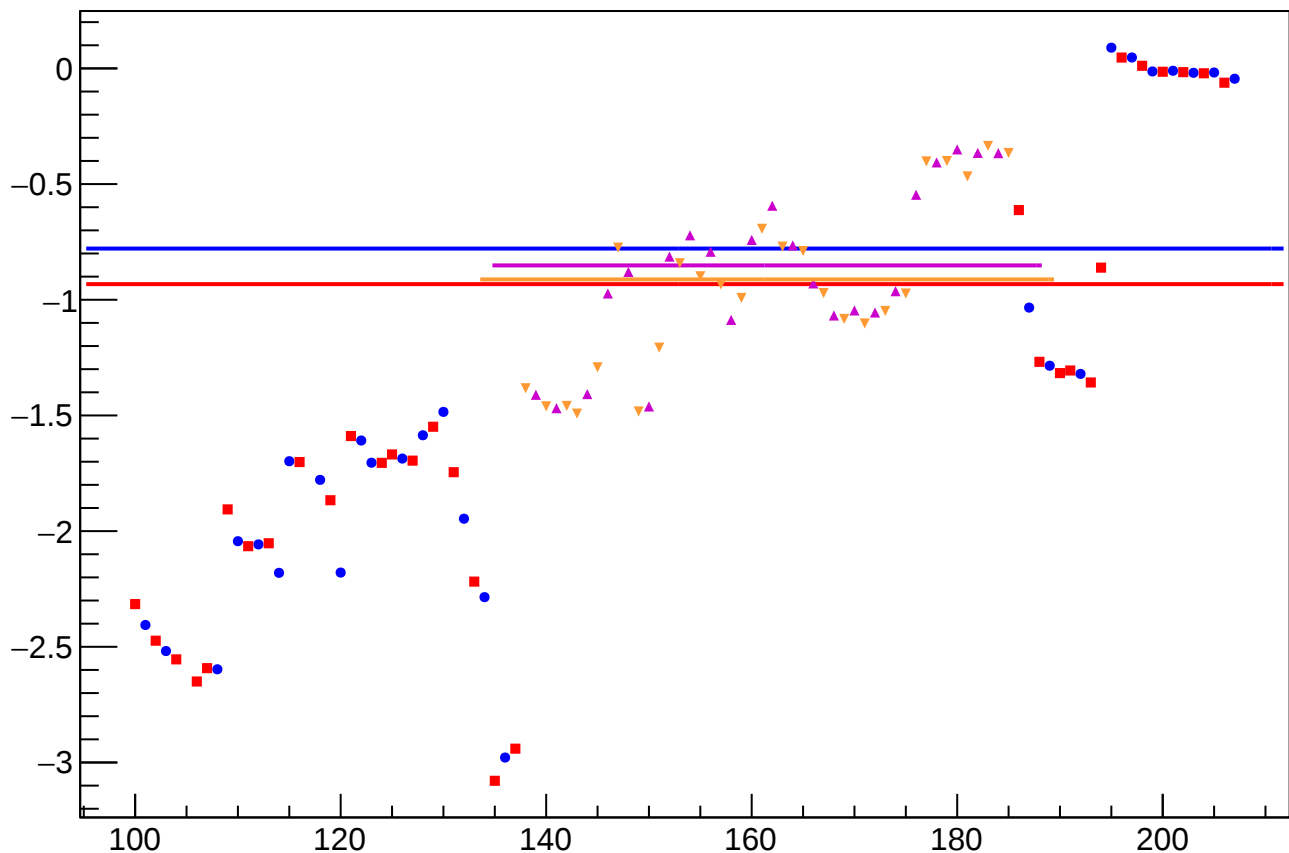
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2135825.7/51

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4330285.9/105

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2189485.1/53

yield_bpm0i05X_mean vs Slug



Right In: -0.779 ± 0.000 $\chi^2/\text{NDF}: 350466975949.2/26$

Left Out: -0.912 ± 0.000 $\chi^2/\text{NDF}: 49039425818.1/24$

Right Out: -0.932 ± 0.000 $\chi^2/\text{NDF}: 354482618170.5/30$

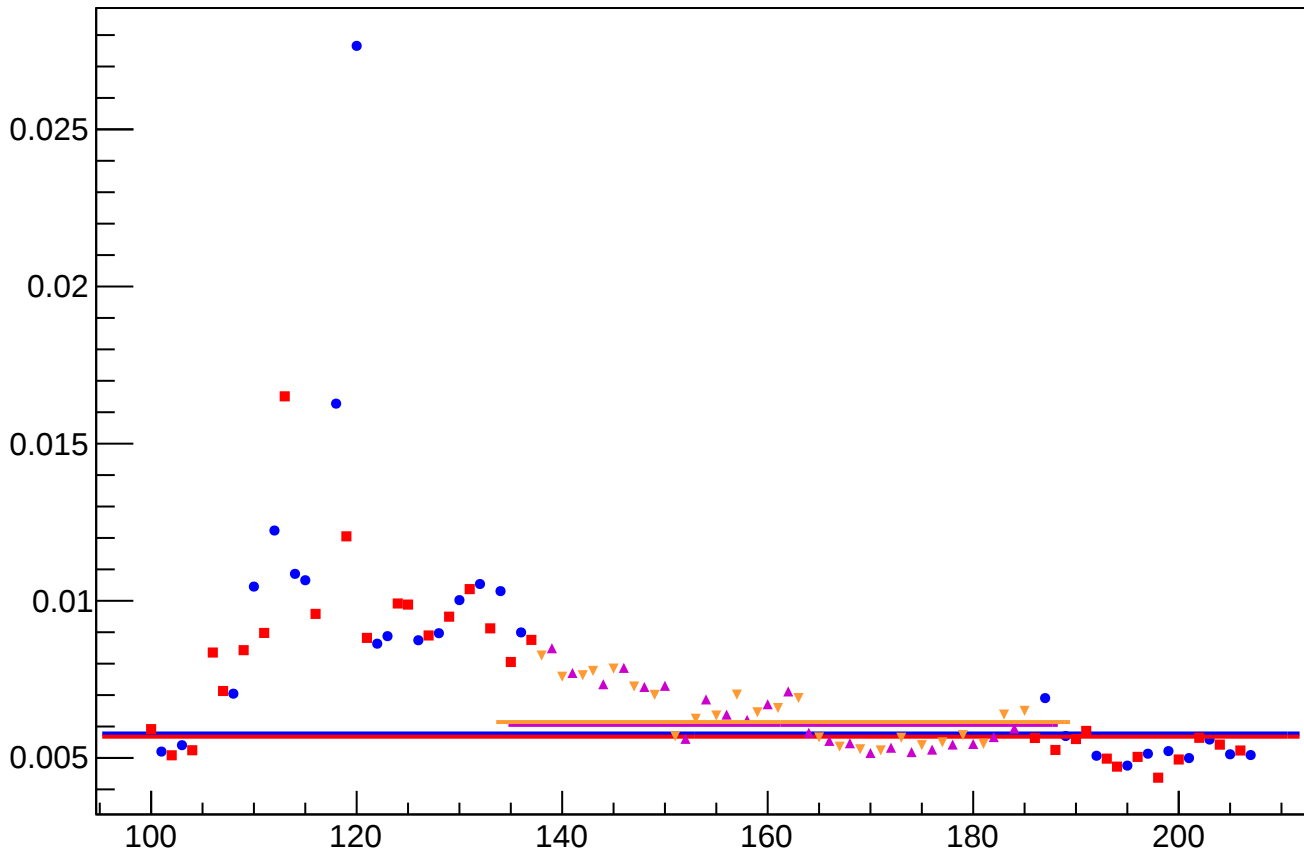
Left In: -0.851 ± 0.000 $\chi^2/\text{NDF}: 46438446008.2/22$

+ sign -0.854 ± 0.000 $\chi^2/\text{NDF}: 402925579013.8/51$

All: -0.873 ± 0.000 $\chi^2/\text{NDF}: 805698245592.6$

- sign -0.890 ± 0.000 $\chi^2/\text{NDF}: 402271237715.4/53$

yield_bpm0i05X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 2008400.8/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:637765.4/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1895294.4/30

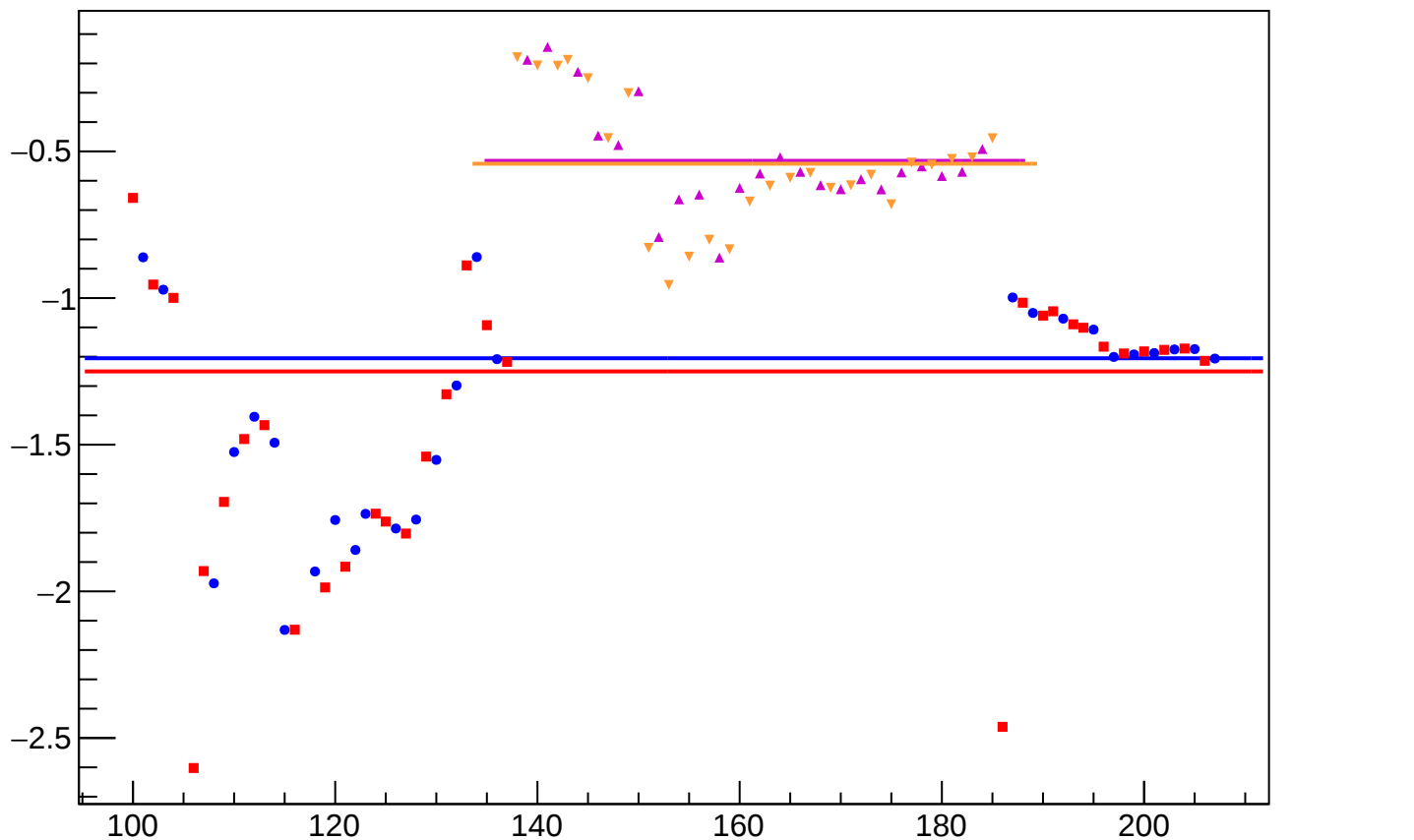
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:697577.8/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2697003.7/51

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 5357990.5/105

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2651142.7/53

yield_bpm0i05Y_mean vs Slug



Right In: -1.205+/-0.000 χ^2 /NDF: 26333866135.0/26

Left Out: -0.542+/-0.000 χ^2 /NDF: 47268284910.3/24

Right Out: -1.250+/-0.000 χ^2 /NDF: 78867915905.6/30

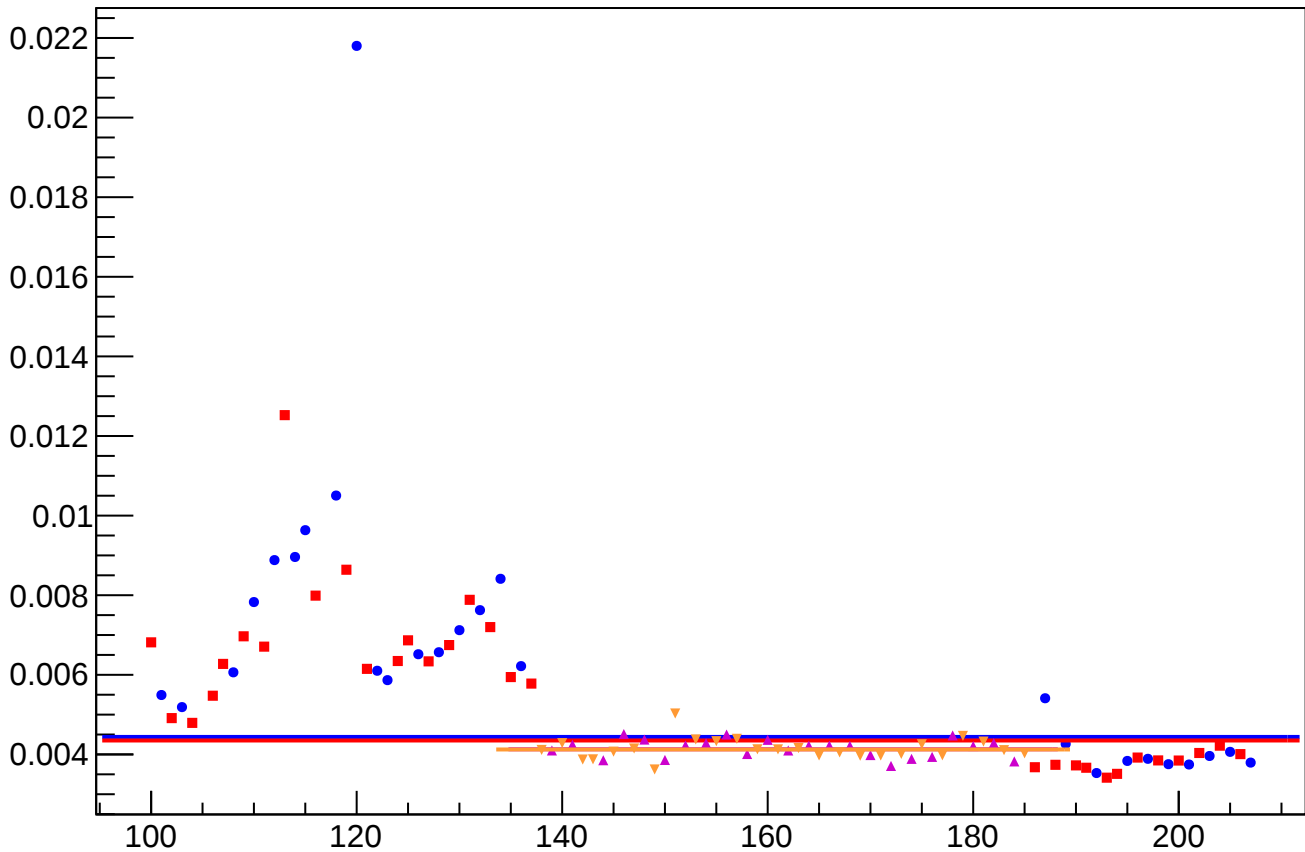
Left In: -0.532+/-0.000 χ^2 /NDF: 30715235426.8/22

+ sign -0.784+/-0.000 χ^2 /NDF: 233044938697.3/51

All: -0.806+/-0.000 χ^2 /NDF: 543170229235.7

- sign -0.828+/-0.000 χ^2 /NDF: 308600059437.1/53

yield_bpm0i05Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 2004629.8/26

Left Out: 0.004+/-0.000 χ^2/NDF :113033.9/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1841968.1/30

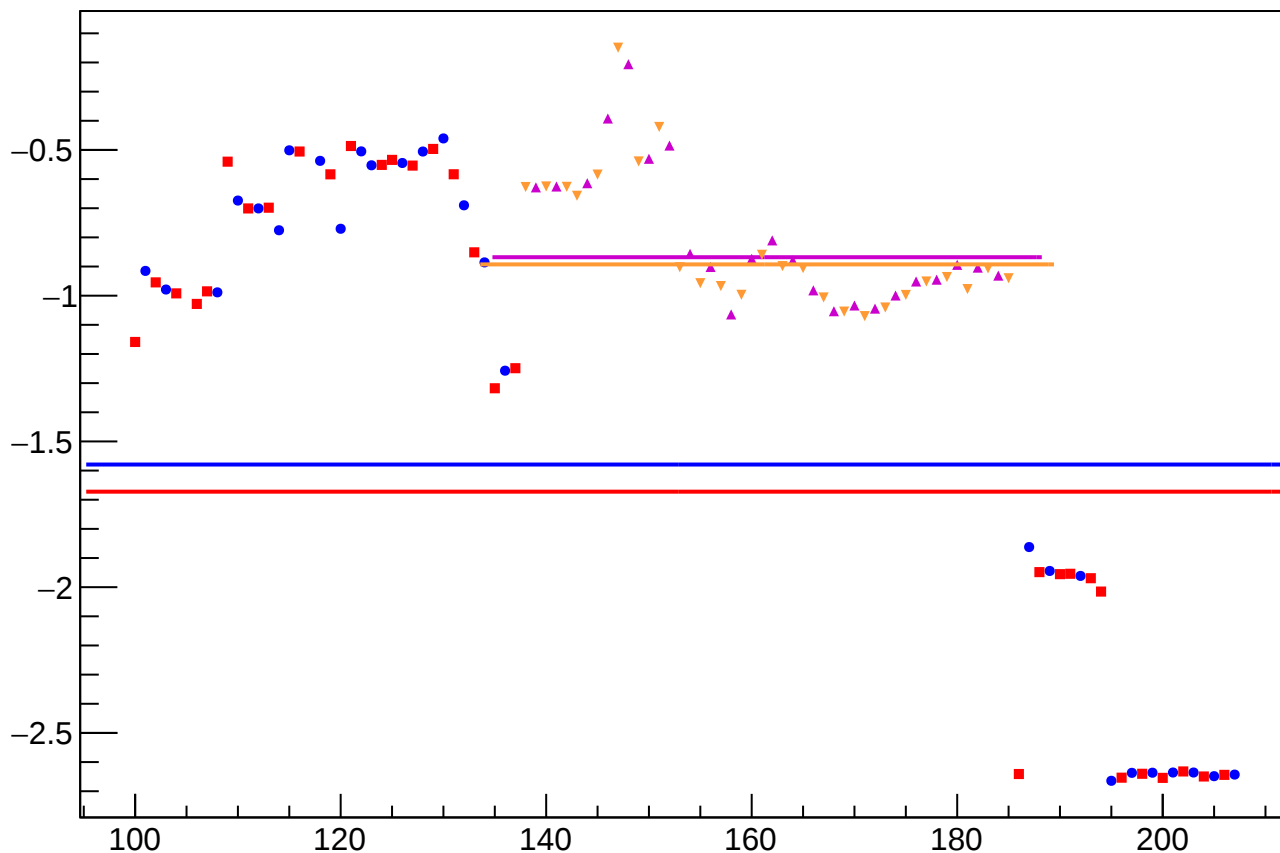
Left In: 0.004+/-0.000 χ^2/NDF :93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 2189632.6/51

All: 0.004+/-0.000 χ^2/NDF : 4162835.5/105

- sign 0.004+/-0.000 χ^2/NDF : 1972638.8/53

yield_bpm0i07X_mean vs Slug



Right In: -1.579+/-0.000 χ^2/NDF : 245473998768.3/26

Left Out: -0.893+/-0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.672+/-0.000 χ^2/NDF : 304439397227.0/30

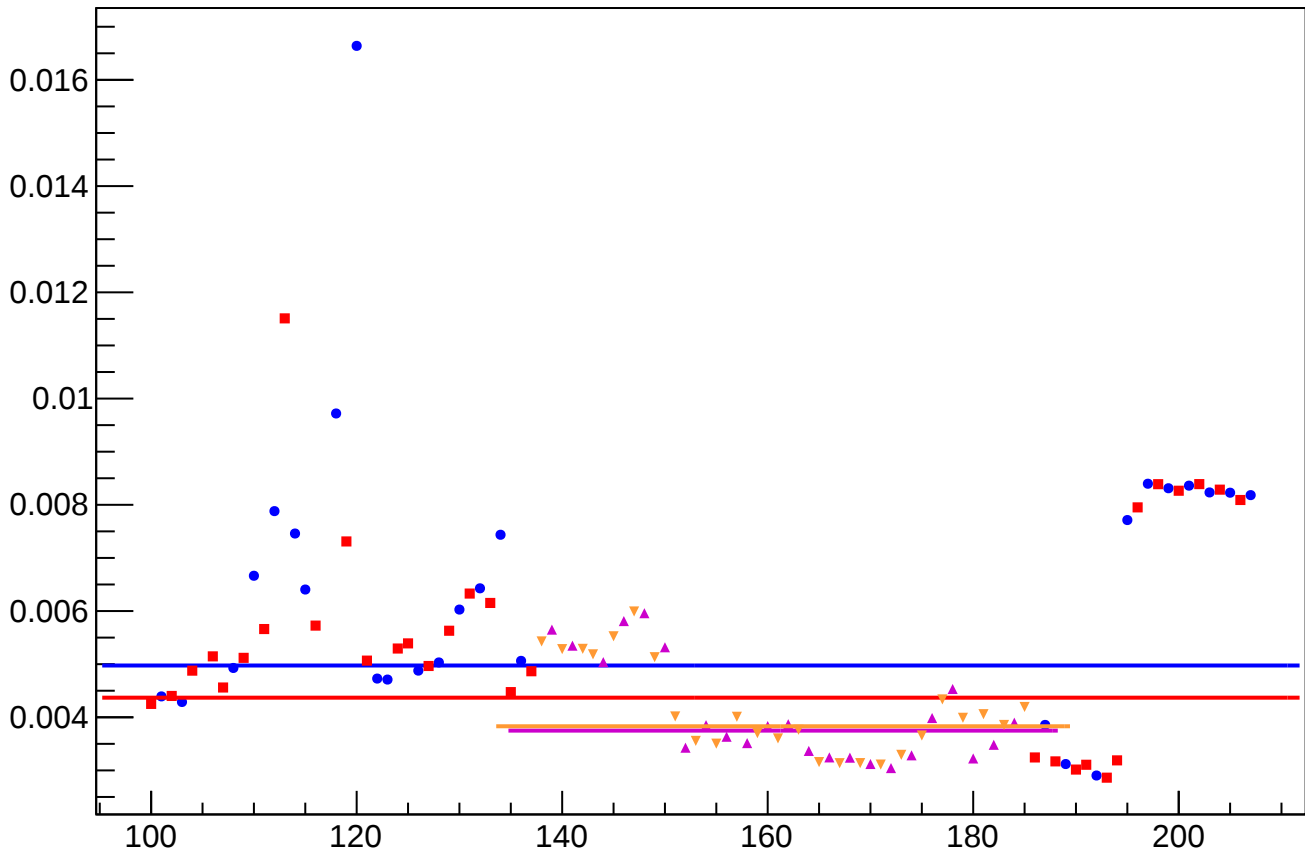
Left In: -0.868+/-0.000 χ^2/NDF : 43853190177.2/22

+ sign -1.086+/-0.000 χ^2/NDF : 435794087202.9/51

All: -1.124+/-0.000 χ^2/NDF : 1048956299594

- sign -1.158+/-0.000 χ^2/NDF : 608867644029.3/53

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 3673274.5/26

Left Out: 0.004+/-0.000 χ^2/NDF : 1179801.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 3789801.6/30

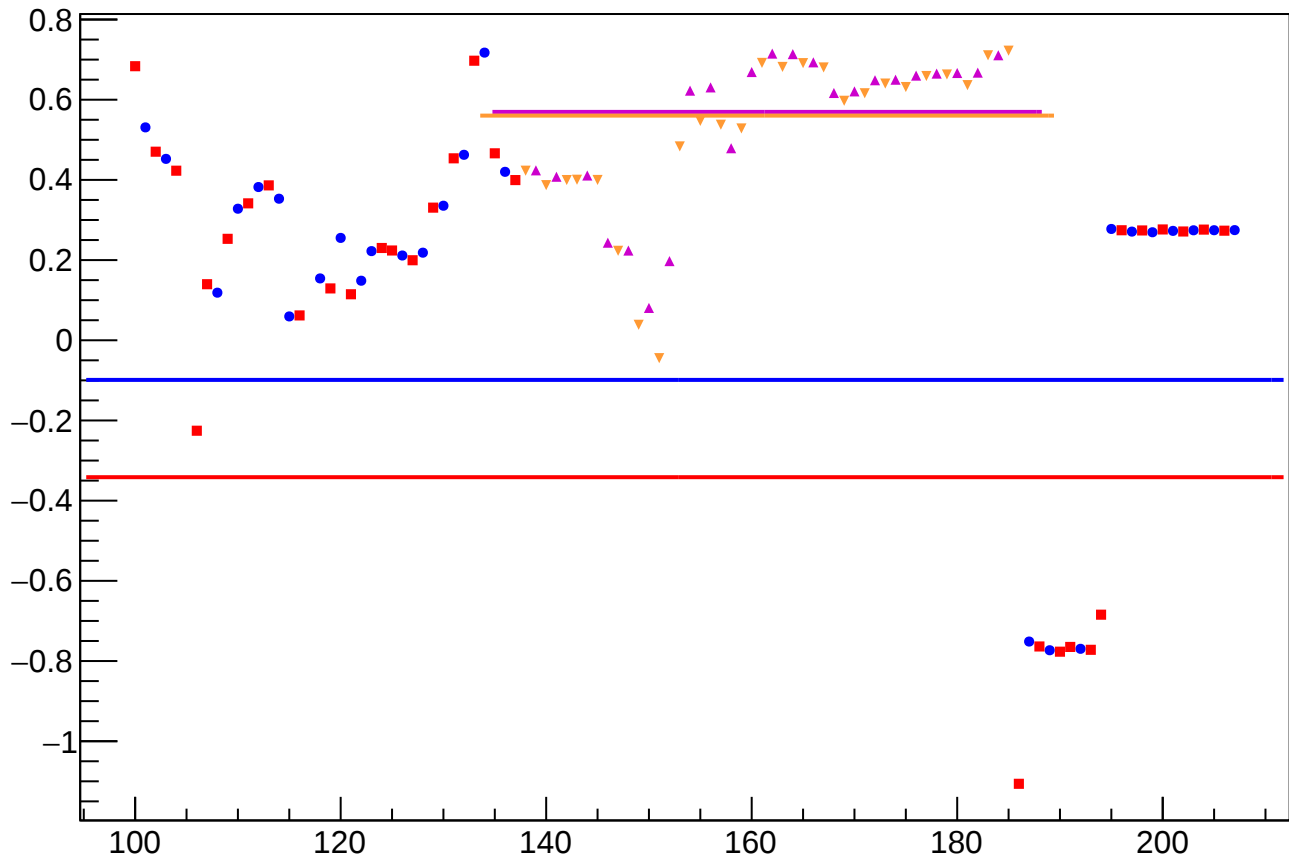
Left In: 0.004+/-0.000 χ^2/NDF : 1288490.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 5683362.0/51

All: 0.004+/-0.000 χ^2/NDF : 11125163.2/105

- sign 0.004+/-0.000 χ^2/NDF : 5388020.2/53

yield_bpm0i07Y_mean vs Slug



Right In: -0.099+/-0.000 χ^2/NDF : 282482356051.1/26

Left Out: 0.560+/-0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.341+/-0.000 χ^2/NDF : 452868098043.7/30

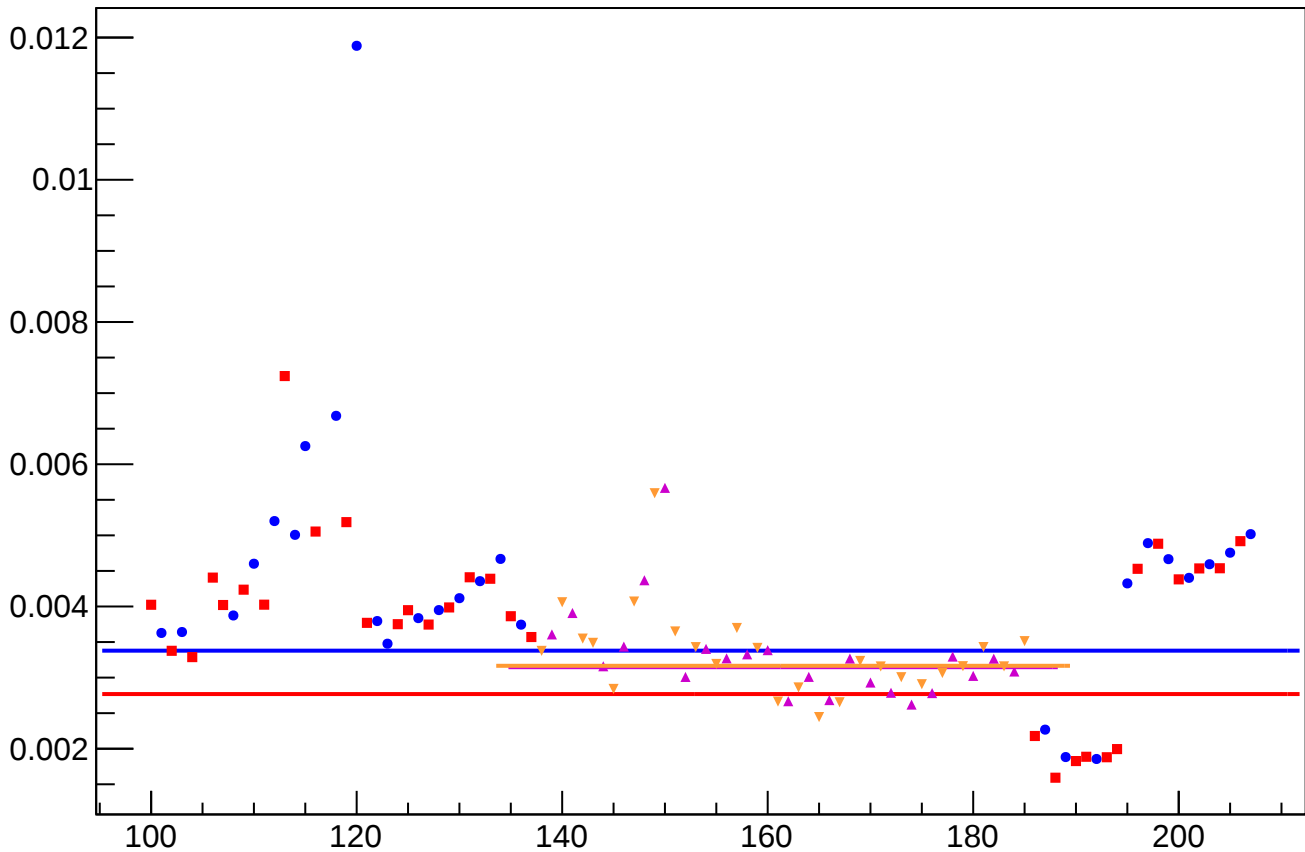
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.312+/-0.000 χ^2/NDF : 593070110663.6/51

All: 0.209+/-0.000 χ^2/NDF : 1775358276785.

- sign 0.121+/-0.000 χ^2/NDF : 1131328365579.3/53

yield_bpm0i07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 3295139.2/26

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 744886.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 4508033.4/30

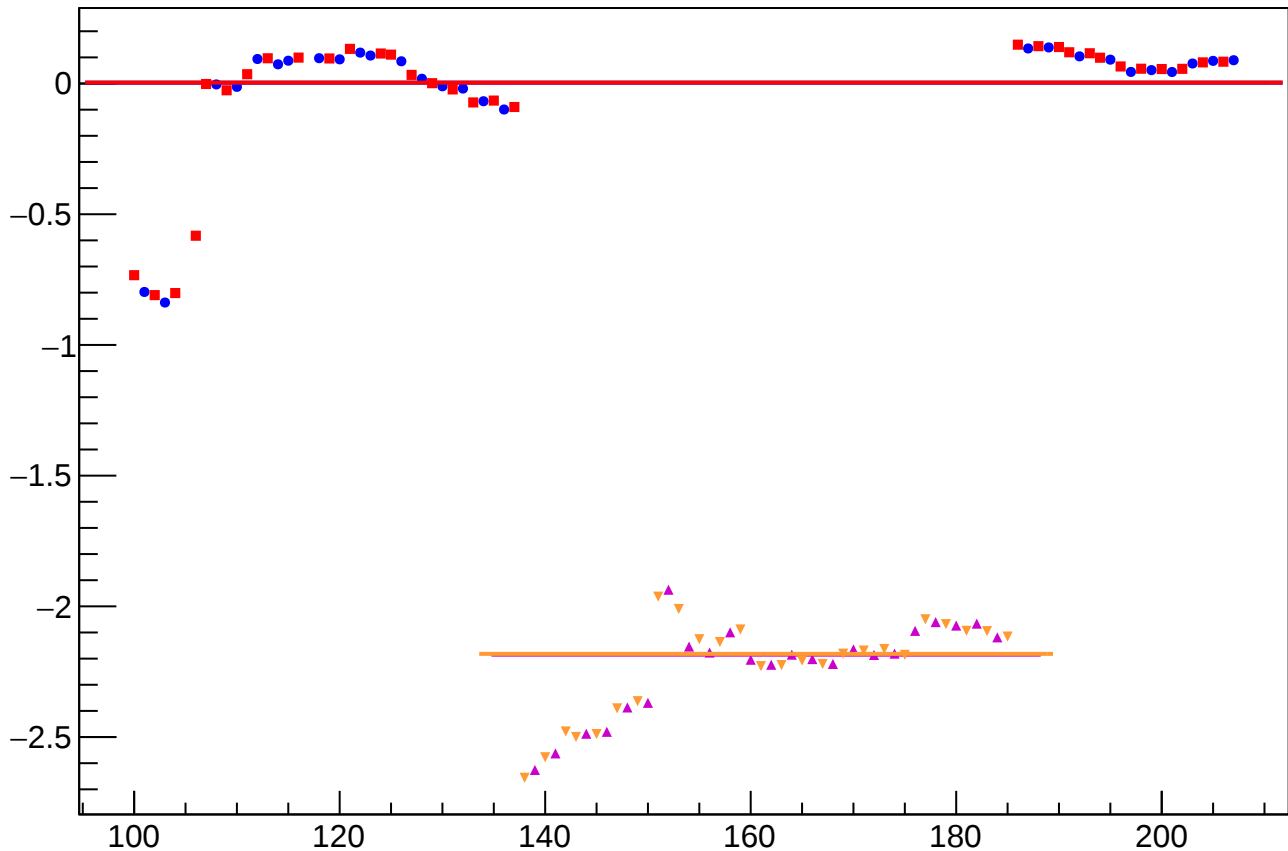
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 716402.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4095291.2/51

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 9768375.5/105

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5443202.3/53

yield_bpm1i02X_mean vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 5884563220.4/26

Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24

Right Out: 0.004+/-0.000 χ^2/NDF : 6953879443.2/30

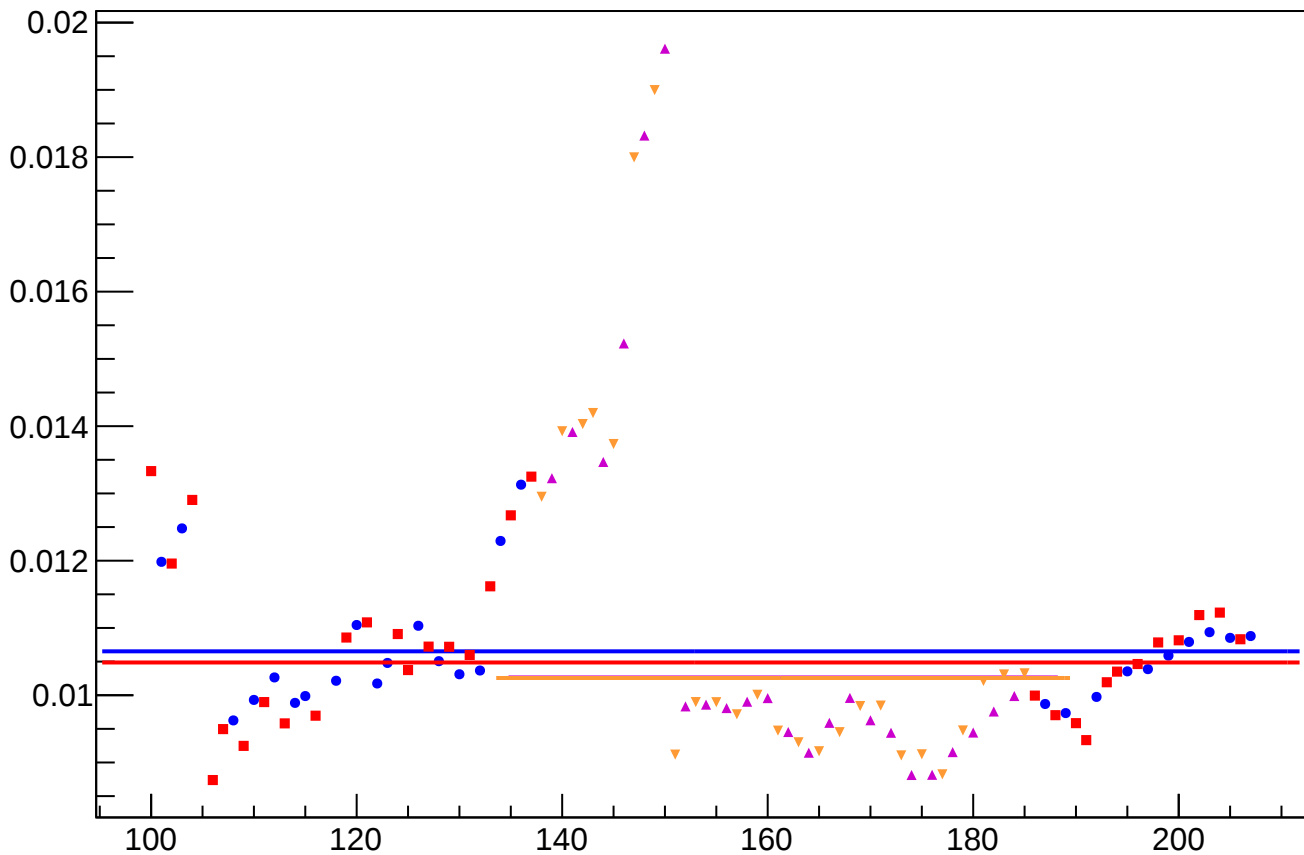
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.266+/-0.000 χ^2/NDF : 345469552720.4/51

All: -1.218+/-0.000 χ^2/NDF : 706403400296.0

- sign -1.171+/-0.000 χ^2/NDF : 359604471930.0/53

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 152021.3/26

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 223320.3/30

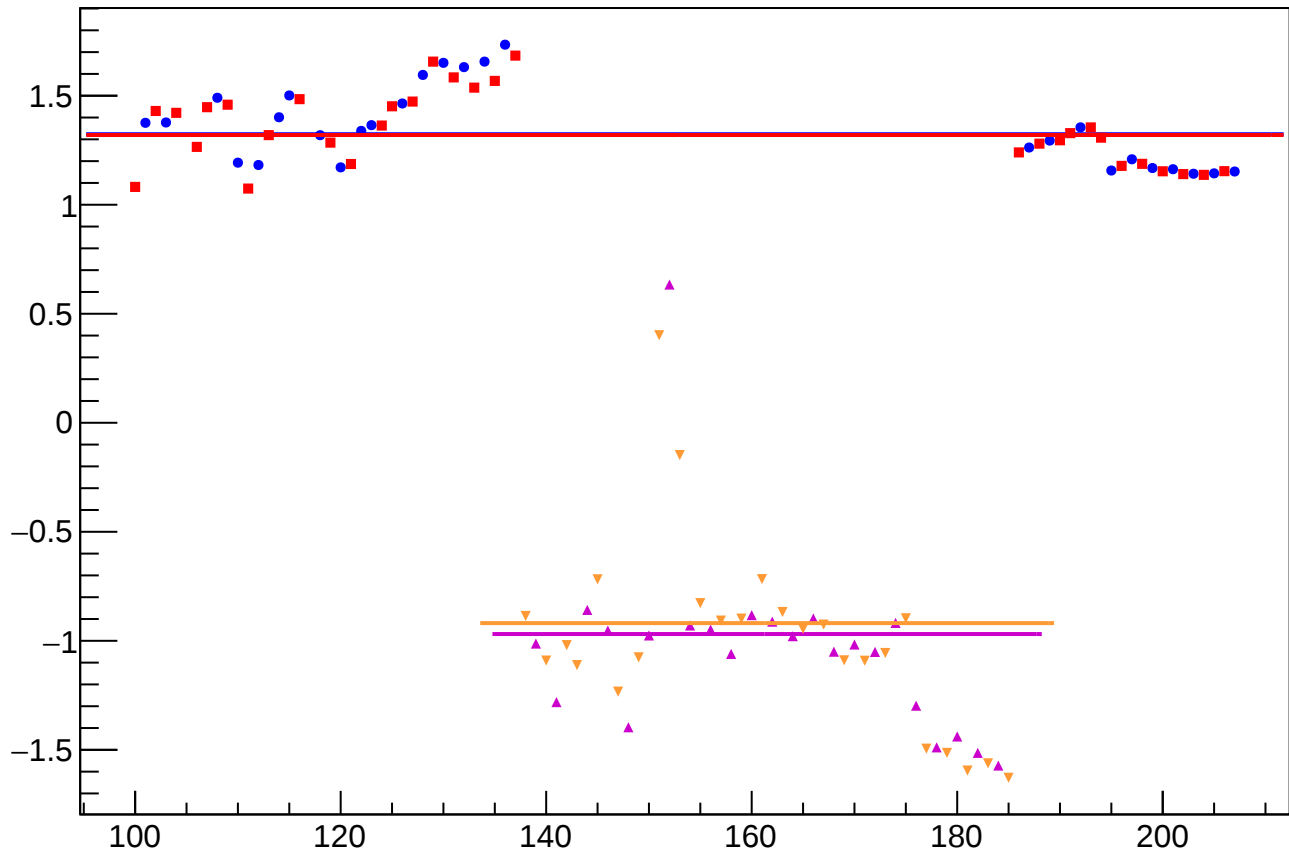
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1444739.5/51

All: 0.010+/-0.000 χ^2/NDF : 3016404.8/105

- sign 0.010+/-0.000 χ^2/NDF : 1570793.3/53

yield_bpm1i02Y_mean vs Slug



Right In: 1.323 $\pm$ 0.000 χ^2 /NDF: 7455867687.3/26

Left Out: -0.919 $\pm$ 0.000 χ^2 /NDF: 55622252895.8/24

Right Out: 1.320 $\pm$ 0.000 χ^2 /NDF: 5801417115.6/30

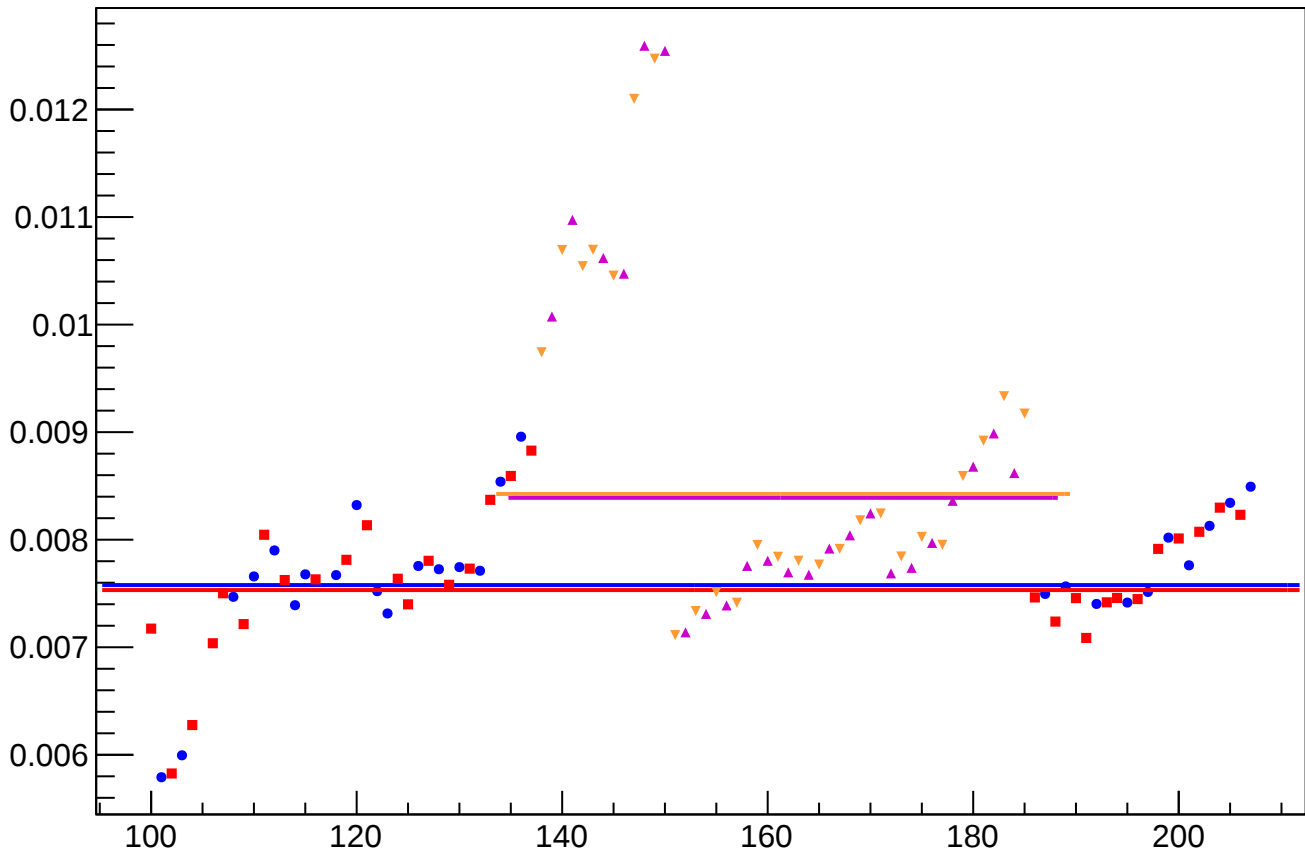
Left In: -0.969 $\pm$ 0.000 χ^2 /NDF: 54895002535.8/22

+ sign 0.169 $\pm$ 0.000 χ^2 /NDF: 678105025709.3/51

All: 0.200 $\pm$ 0.000 χ^2 /NDF: 1397062766940.0

- sign 0.230 $\pm$ 0.000 χ^2 /NDF: 718023515540.0/53

yield_bpm1i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 289662.2/26

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 224744.9/30

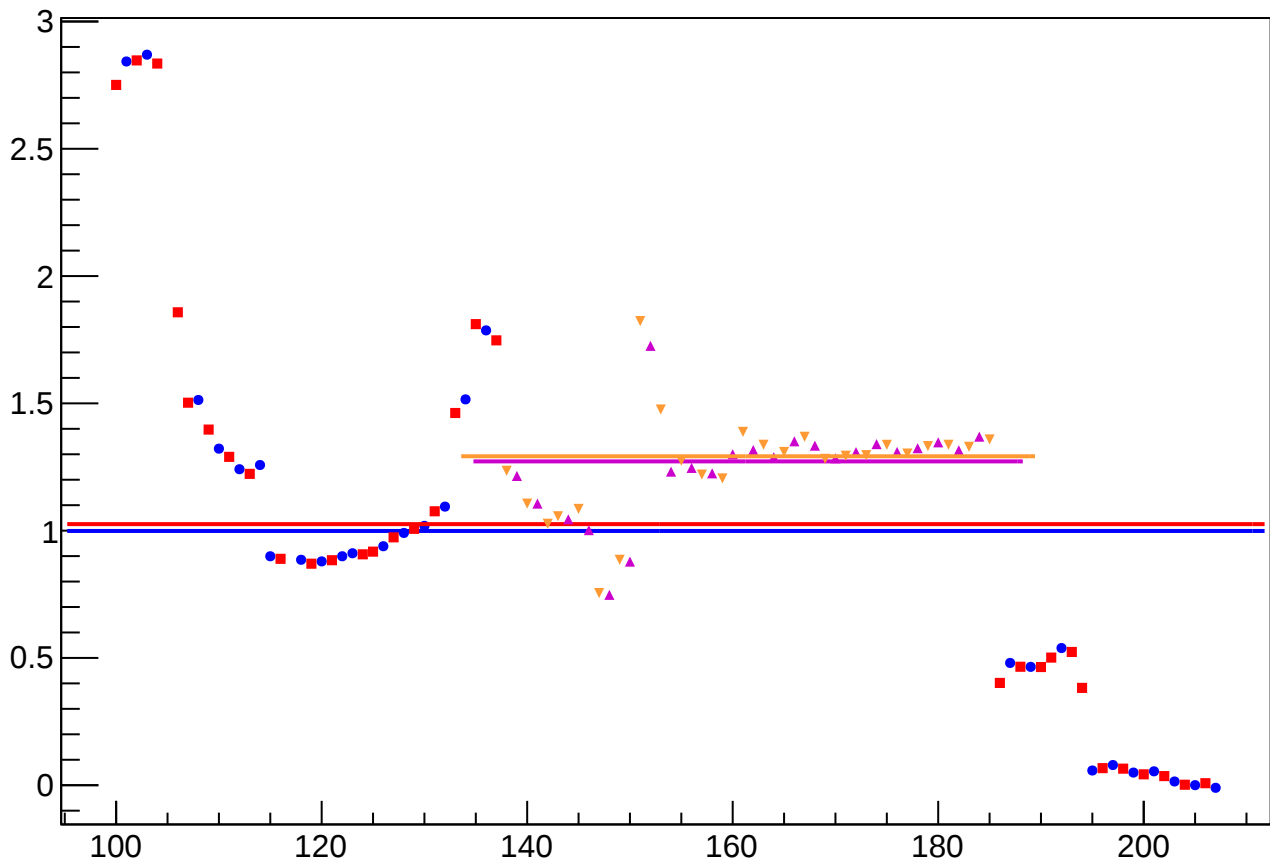
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1257715.5/51

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2509773.9/105

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1249312.4/53

yield_bpm1i04X_mean vs Slug



Right In: 0.999 $\pm$ 0.000 χ^2 /NDF: 122042395123.8/26

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

+ sign 1.163 $\pm$ 0.000 χ^2 /NDF: 141310911592.5/51

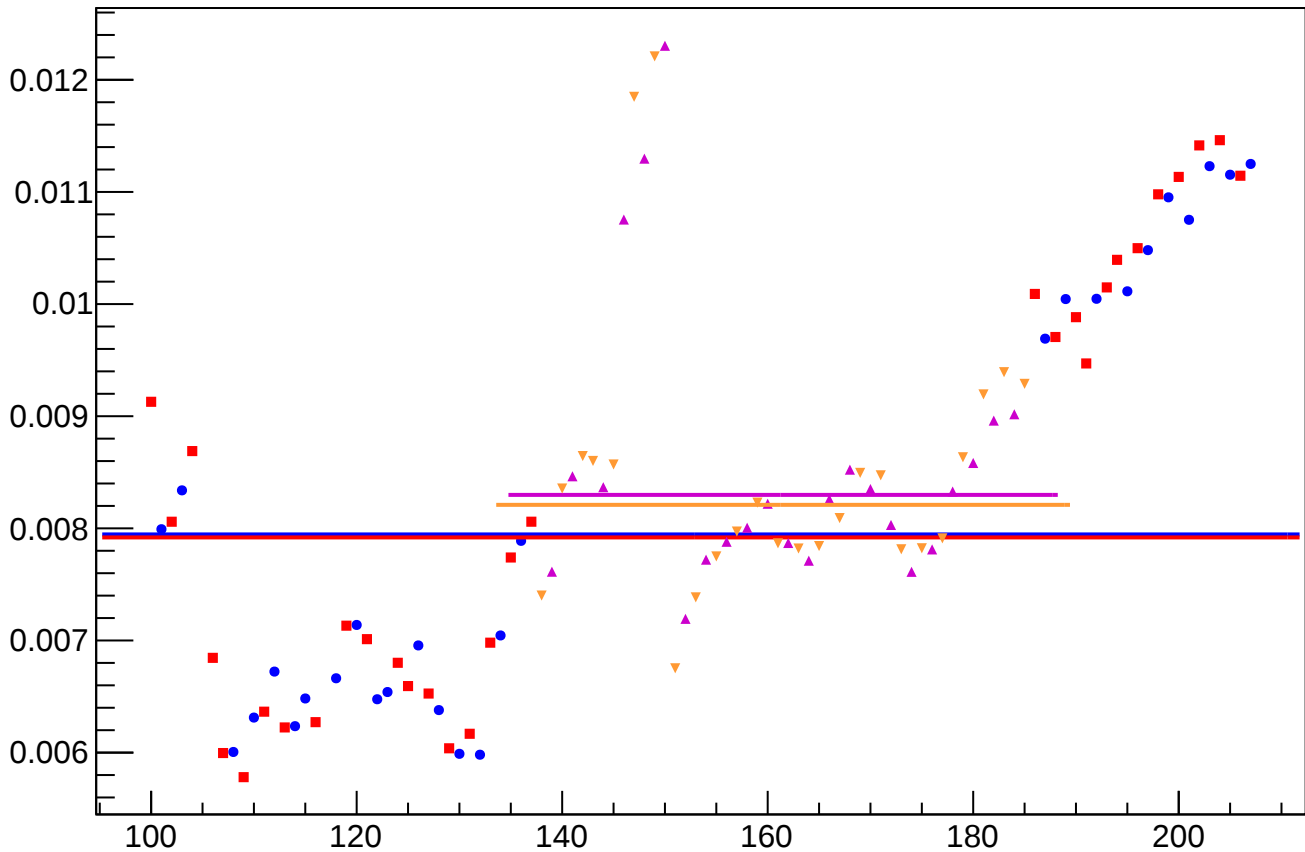
Right Out: 1.026 $\pm$ 0.000 χ^2 /NDF: 117960675988.9/30

All: 1.158 $\pm$ 0.000 χ^2 /NDF: 273996124972.1

Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

- sign 1.153 $\pm$ 0.000 χ^2 /NDF: 132663132906.3/53

yield_bpm1i04X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1494283.7/26

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:478864.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1691699.6/30

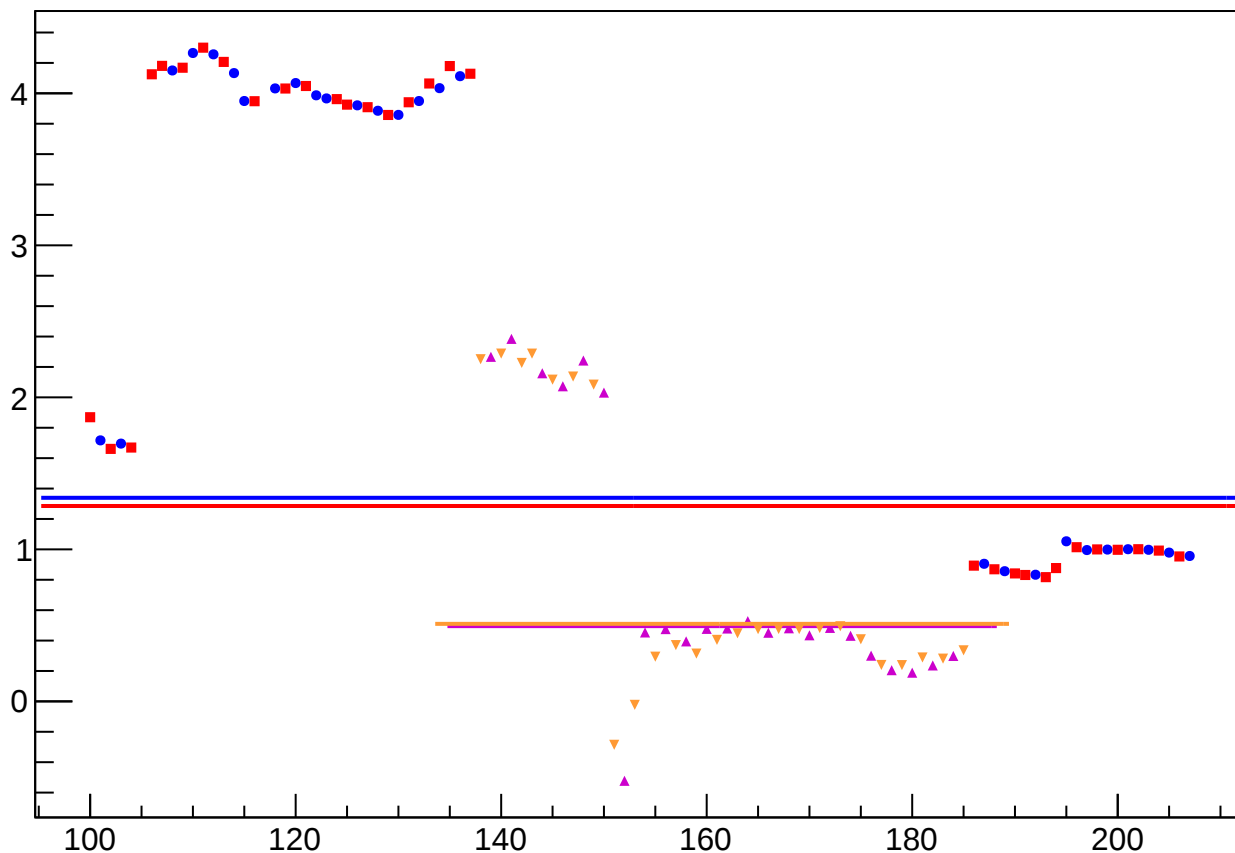
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1989262.5/51

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 4177010.0/105

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2187519.9/53

yield_bpm1i04Y_mean vs Slug



Right In: 1.339+/-0.000 χ^2/NDF : 1474649705754.8/26

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.285+/-0.000 χ^2/NDF : 1683971163203.7/30

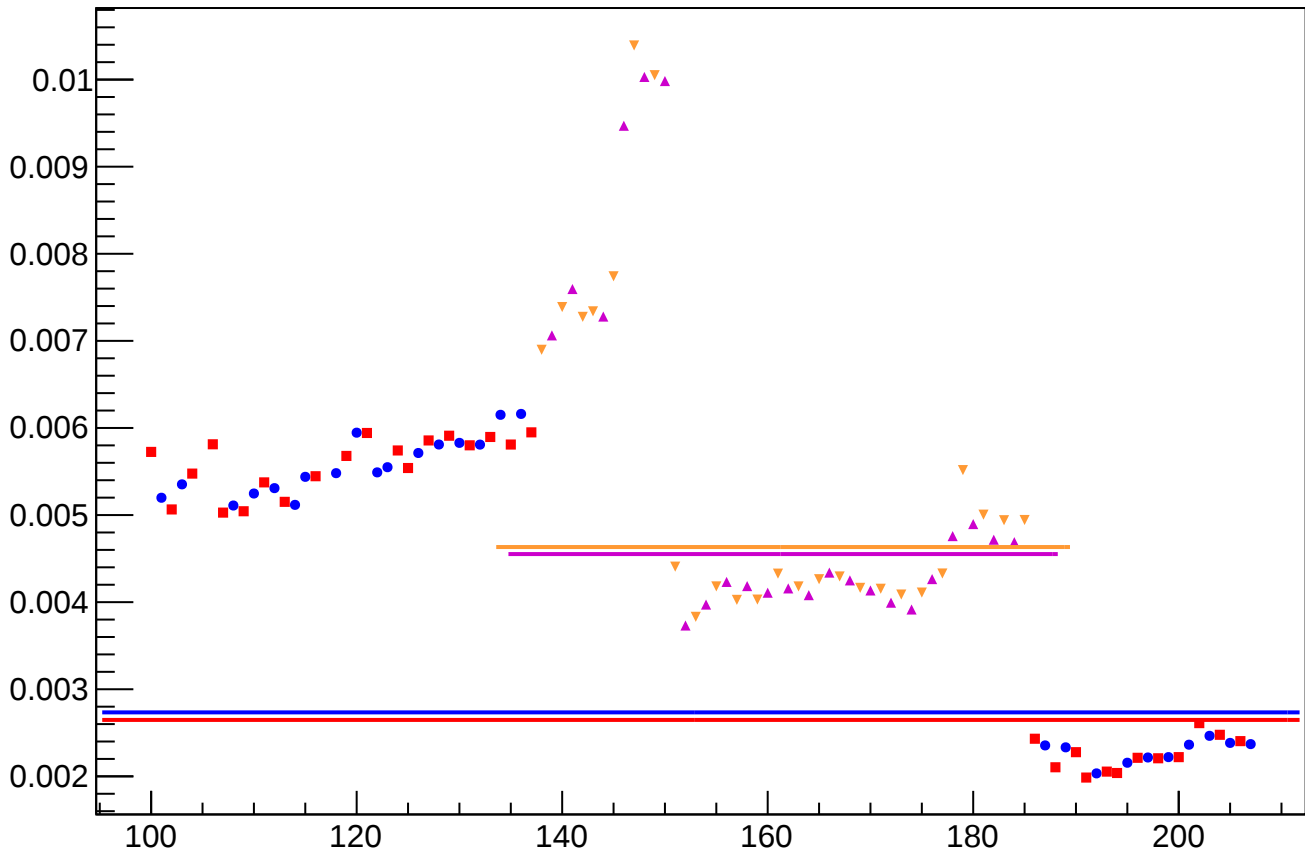
Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.057+/-0.000 χ^2/NDF : 2101761275923.8/51

All: 1.051+/-0.000 χ^2/NDF : 4384713515203.7/102

- sign 1.046+/-0.000 χ^2/NDF : 2282807149053.6/53

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4115844.2/26

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4438535.5/30

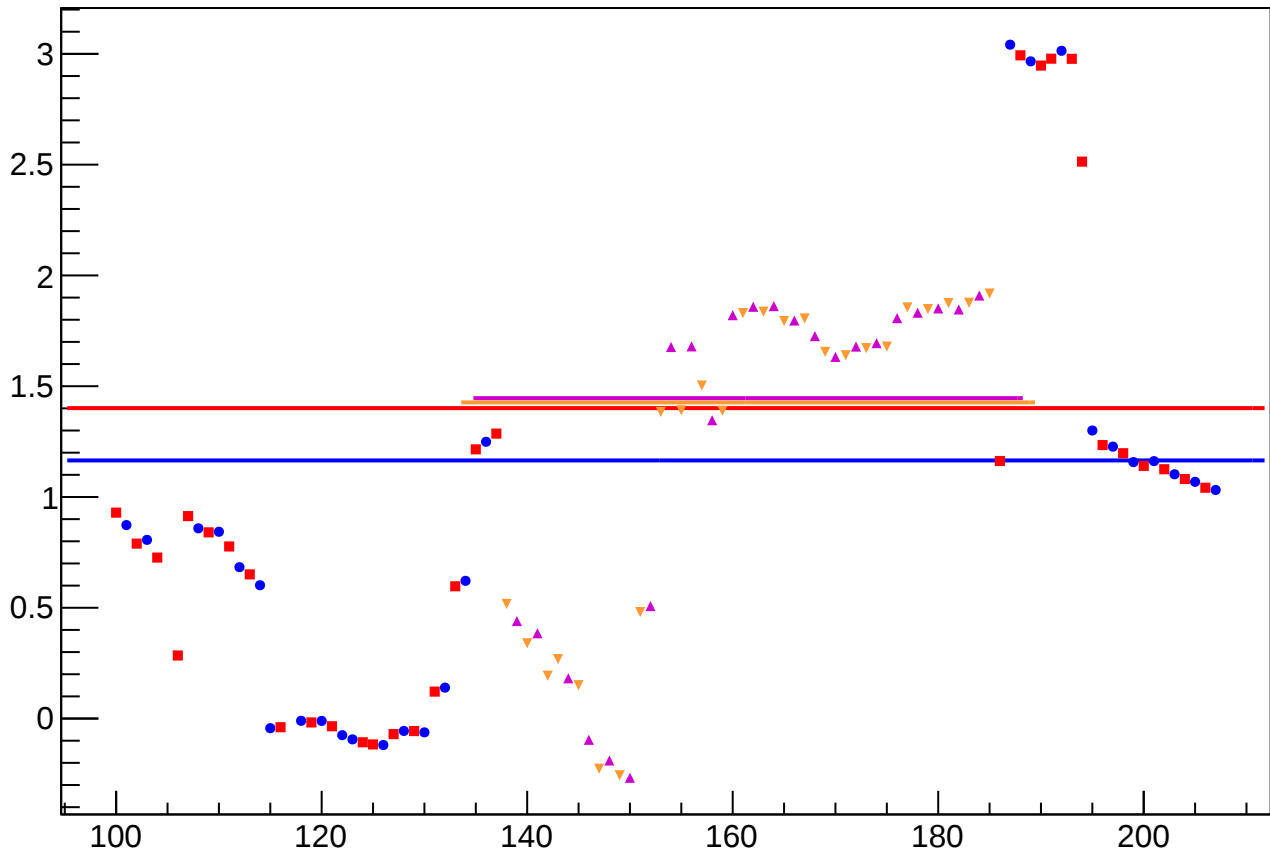
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 9922488.4/51

All: 0.003+/-0.000 χ^2/NDF : 20488742.6/105

- sign 0.003+/-0.000 χ^2/NDF : 10508090.0/53

yield_bpm1i06X_mean vs Slug



Right In: 1.165+/-0.000 χ^2/NDF : 72778199175.8/26

Left Out: 1.427+/-0.000 χ^2/NDF : 49990787038.3/24

Right Out: 1.401+/-0.000 χ^2/NDF : 100090758171.1/30

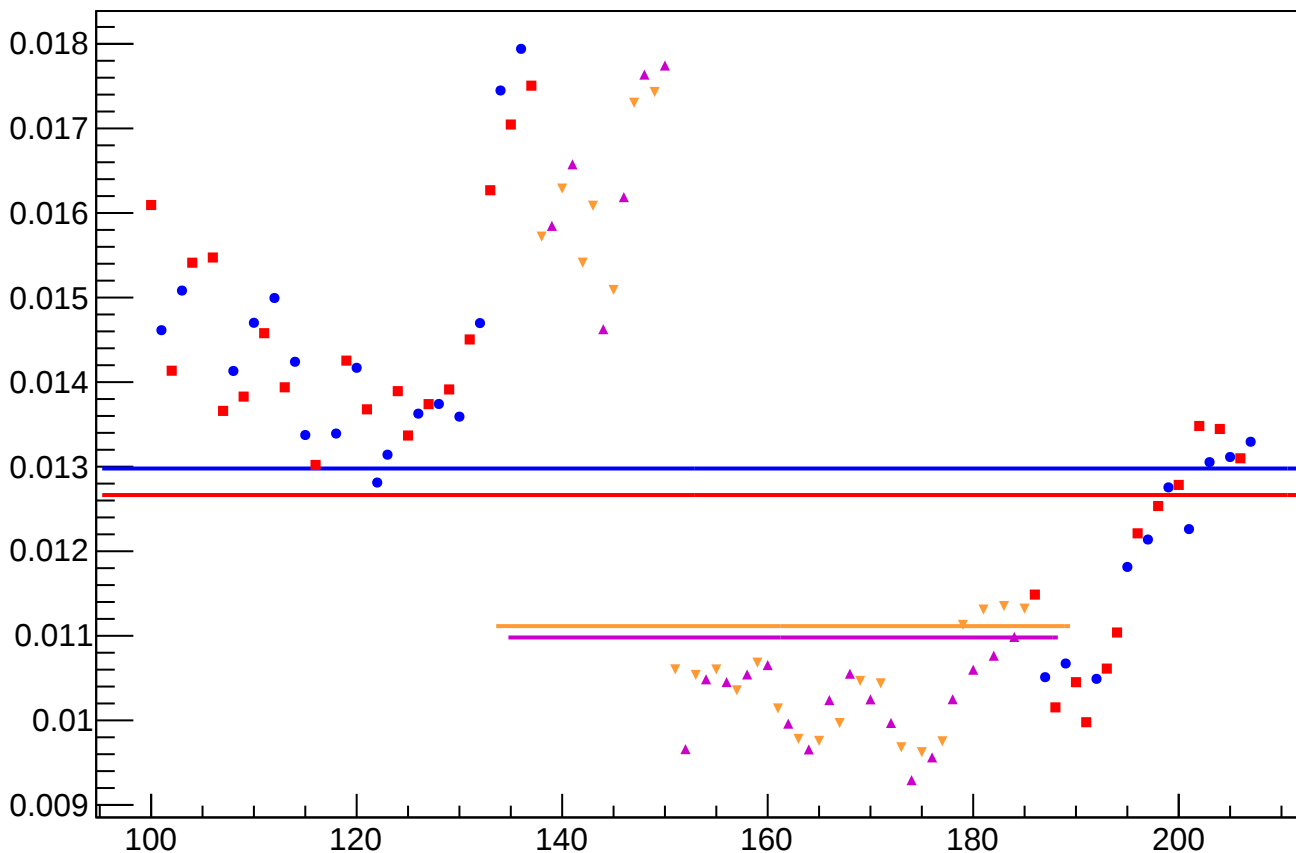
Left In: 1.446+/-0.000 χ^2/NDF : 53752493130.3/22

+ sign 1.333+/-0.000 χ^2/NDF : 126288781973.0/51

All: 1.381+/-0.000 χ^2/NDF : 281274449648.1

- sign 1.428+/-0.000 χ^2/NDF : 153954343728.6/53

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 436038.7/26

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 560512.1/30

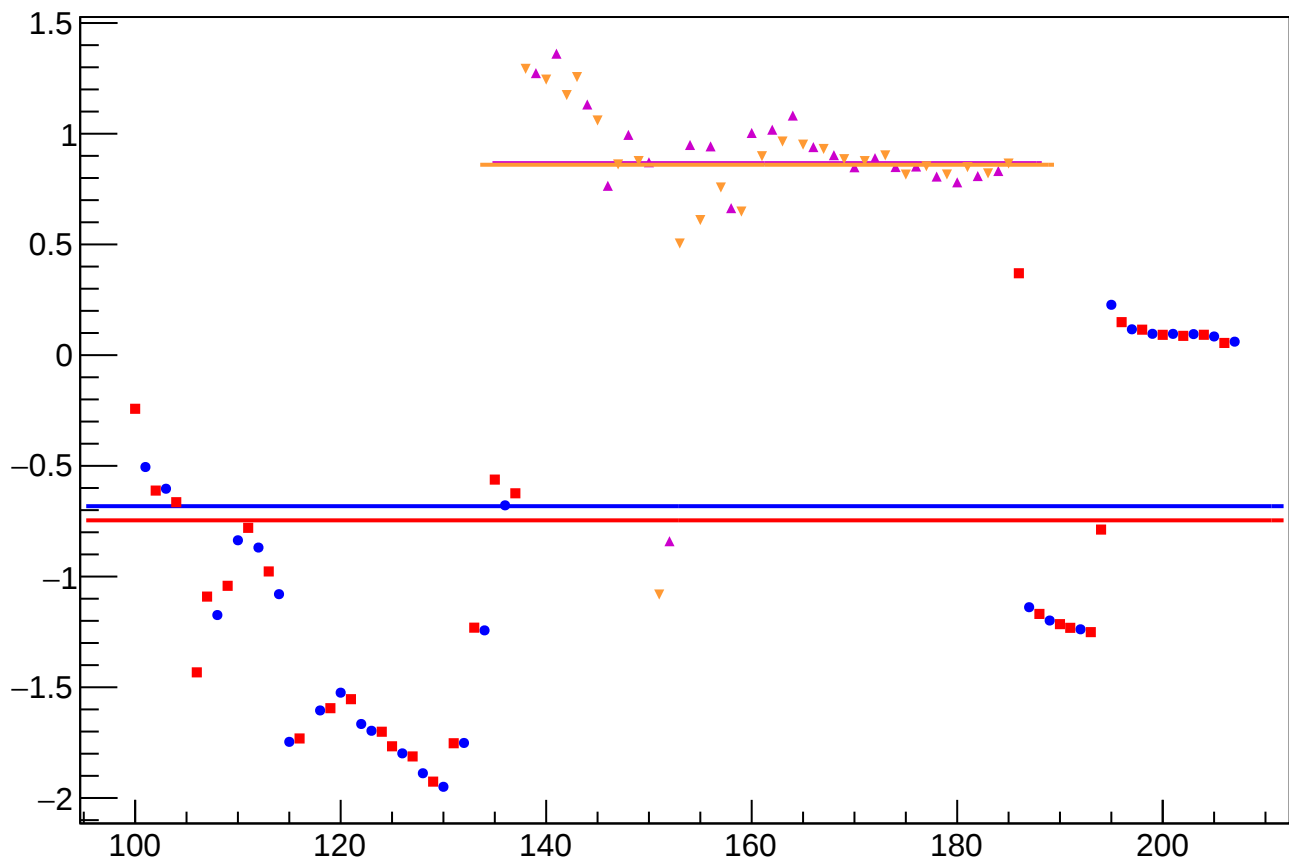
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 2019829.2/51

All: 0.012+/-0.000 χ^2/NDF : 4160147.5/105

- sign 0.012+/-0.000 χ^2/NDF : 2136210.0/53

yield_bpm1i06Y_mean vs Slug



Right In: -0.682+/-0.000 χ^2/NDF : 172077997538.5/26

Left Out: 0.860+/-0.000 χ^2/NDF : 126335891175.4/24

Right Out: -0.746+/-0.000 χ^2/NDF : 156567645063.5/30

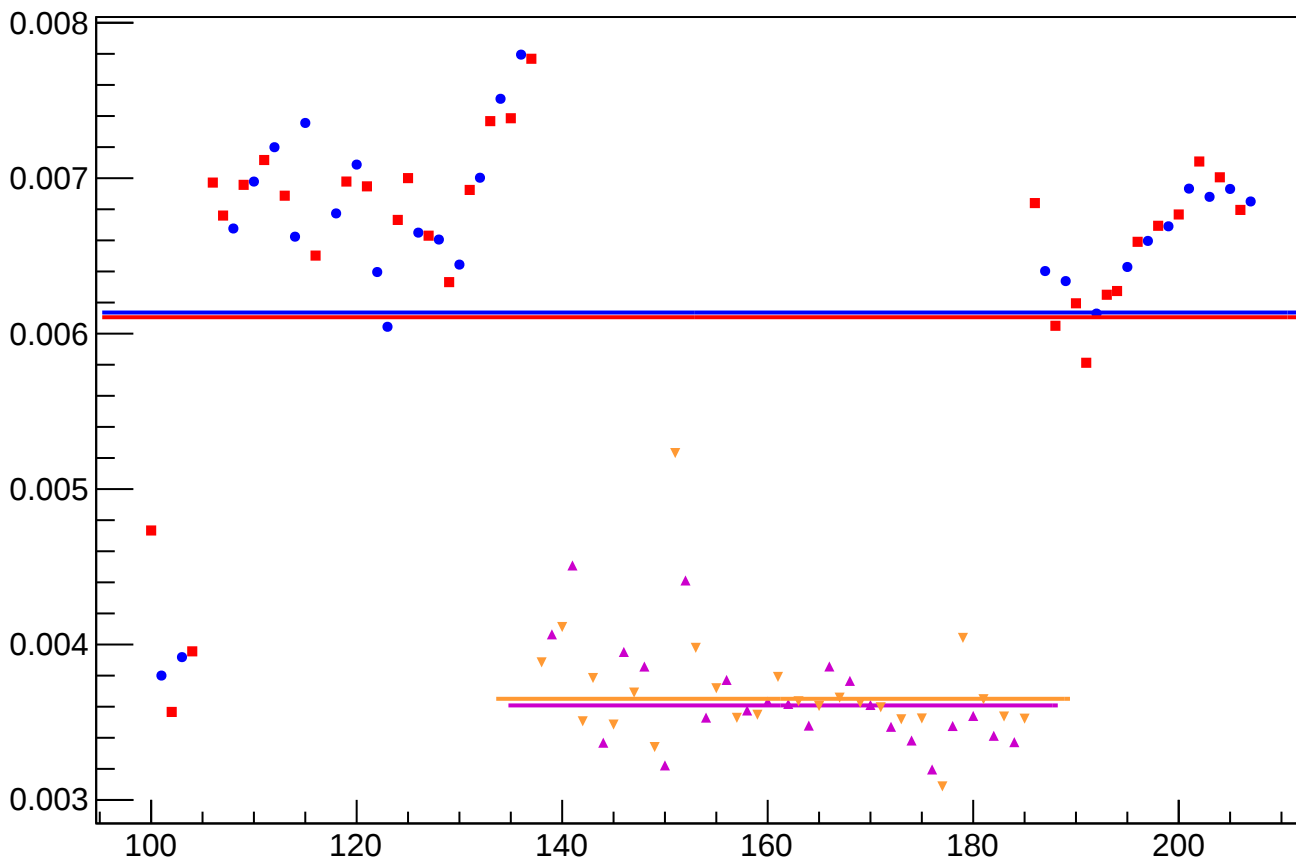
Left In: 0.867+/-0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.533+/-0.000 χ^2/NDF : 931050341963.1/51

All: 0.511+/-0.000 χ^2/NDF : 1973847312085.

- sign 0.488+/-0.000 χ^2/NDF : 1041250908826.4/53

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1000242.7/26

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1088818.2/30

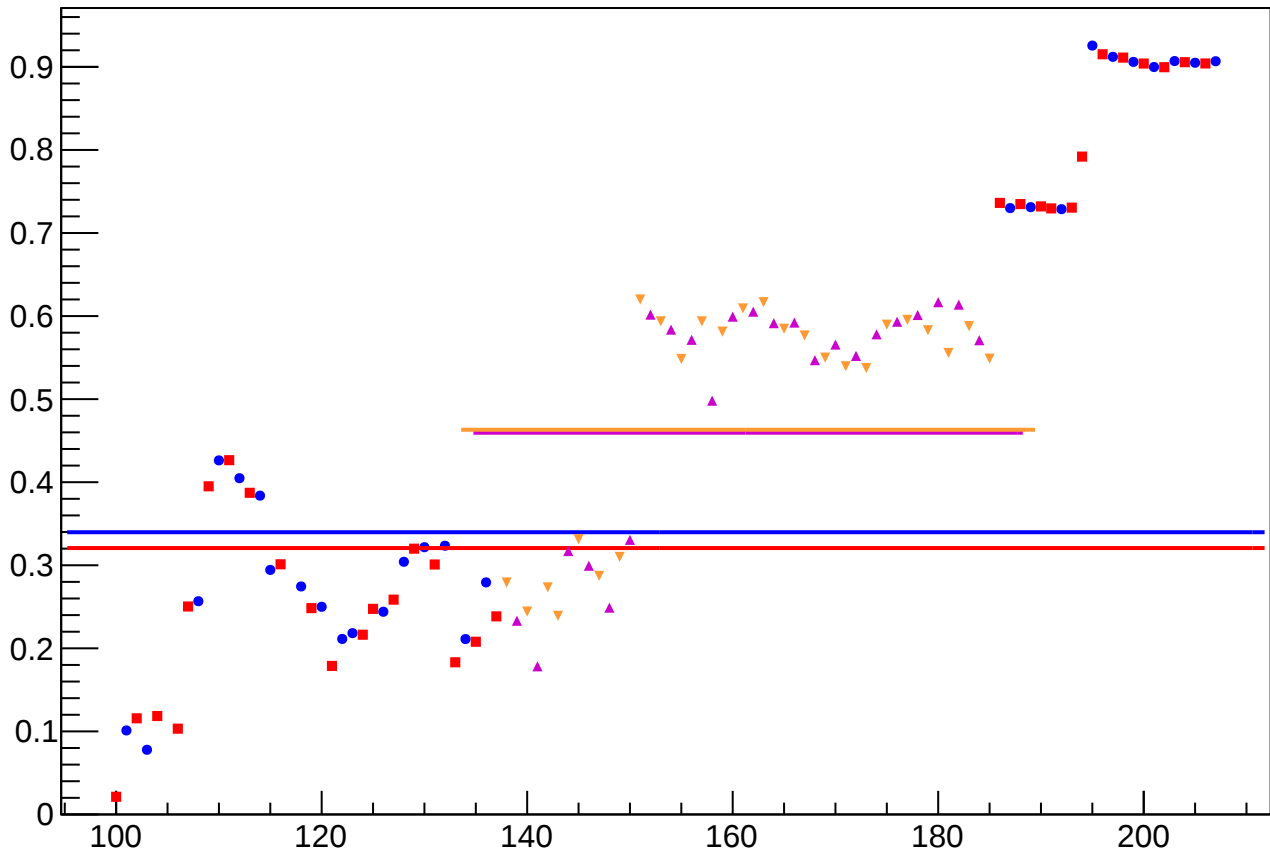
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4523776.1/51

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 9376166.7/105

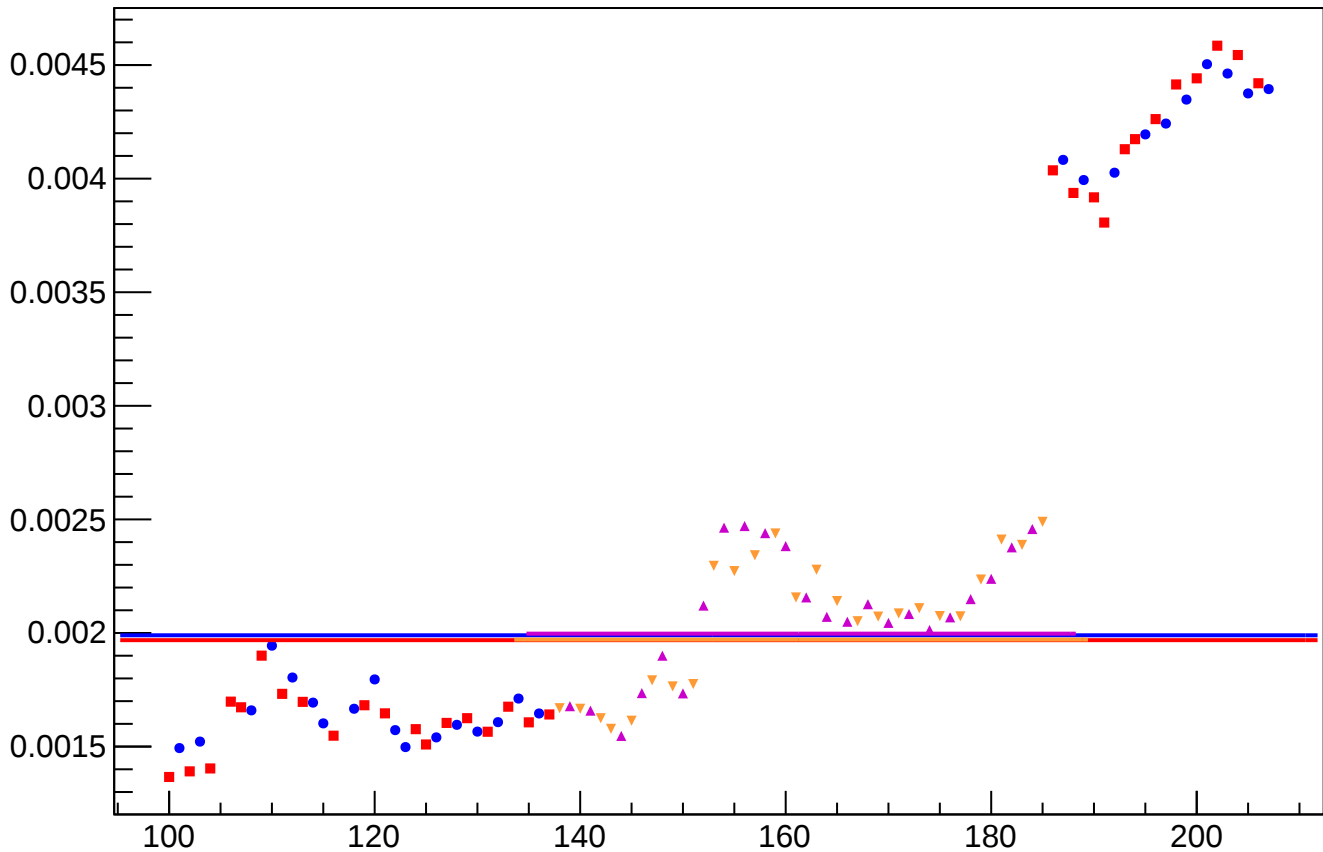
- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4851974.9/53

yield_bpm2i01X_mean vs Slug



Right In: 0.340 $\pm$ 0.000	χ^2 /NDF: 148801794222.9/26	+ sign 0.416 $\pm$ 0.000	χ^2 /NDF: 277945243146.9/51
Left Out: 0.463 $\pm$ 0.000	χ^2 /NDF: 102506270538.7/24	All: 0.408 $\pm$ 0.000	χ^2 /NDF: 581391238688.7
Right Out: 0.321 $\pm$ 0.000	χ^2 /NDF: 163148228291.5/30	- sign 0.400 $\pm$ 0.000	χ^2 /NDF: 302477199170.3/53
Left In: 0.460 $\pm$ 0.000	χ^2 /NDF: 104559088628.4/22		

yield_bpm2i01X_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 4798383.6/26

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:730203.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 5448723.4/30

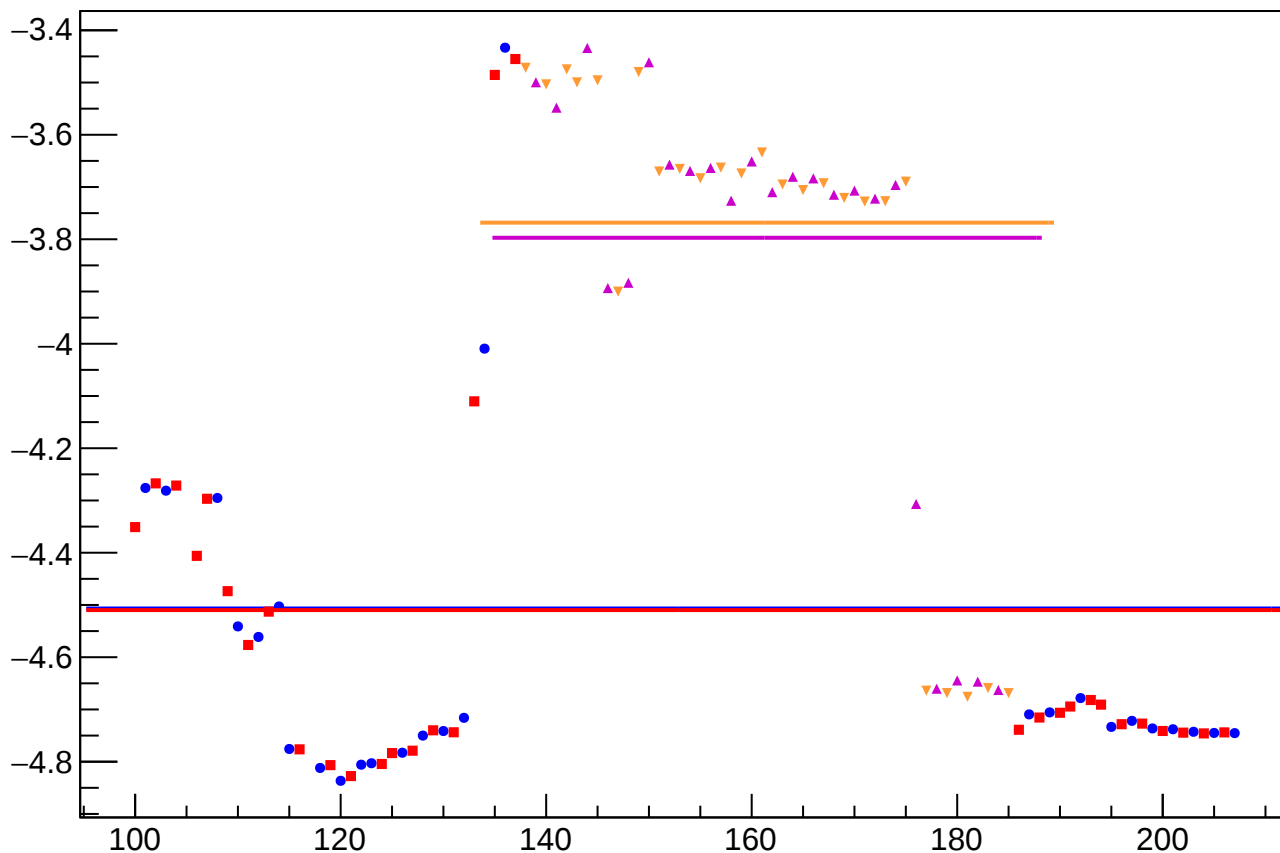
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:666404.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5529826.3/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 11648232.6/105

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 6118088.7/53

yield_bpm2i01Y_mean vs Slug



Right In: -4.507+/-0.000 χ^2 /NDF: 433559256671.8/26

Left Out: -3.768+/-0.000 χ^2 /NDF: 516780173940.8/24

Right Out: -4.510+/-0.000 χ^2 /NDF: 370111469083.7/30

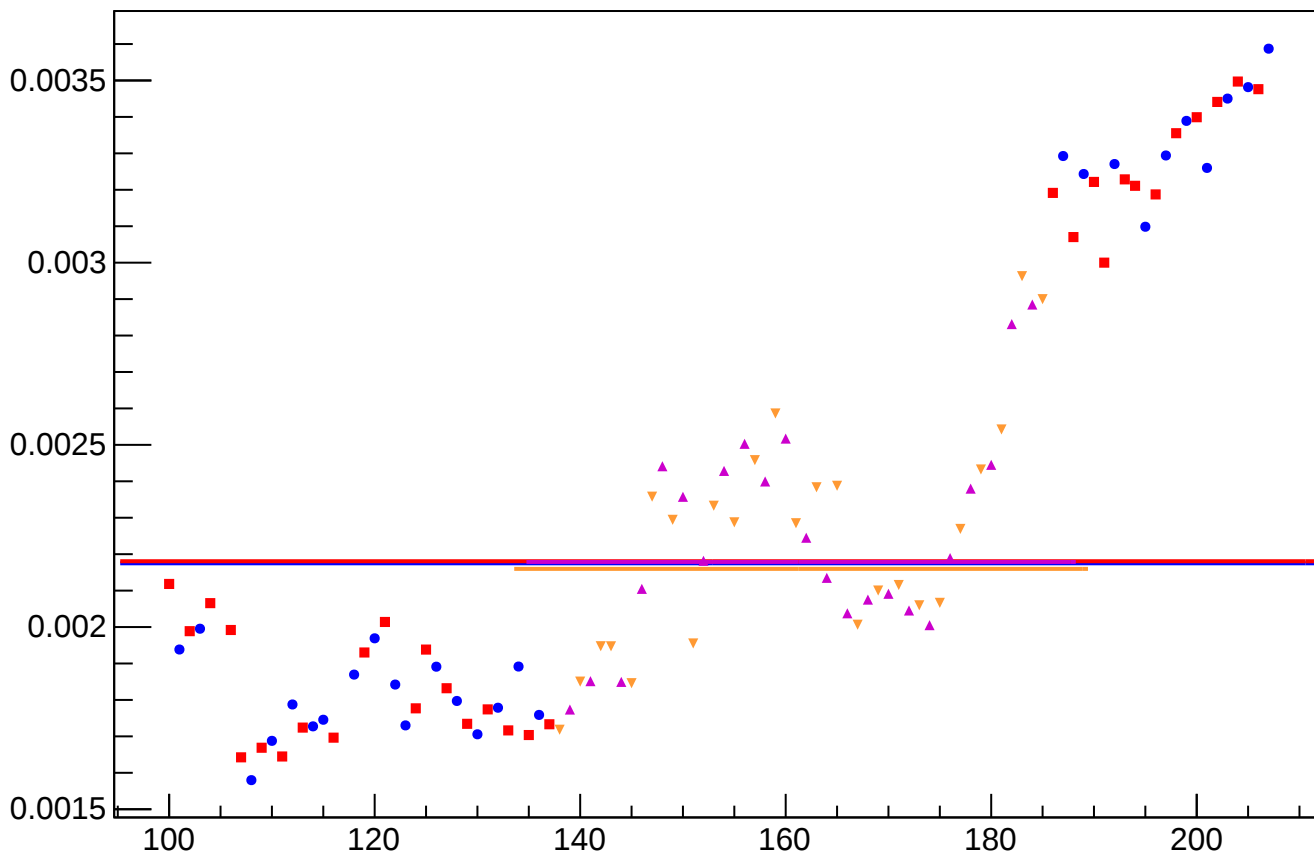
Left In: -3.797+/-0.000 χ^2 /NDF: 444886272608.9/22

+ sign -4.070+/-0.000 χ^2 /NDF: 1799481643846.0/5

All: -4.092+/-0.000 χ^2 /NDF: 3425836101696

- sign -4.115+/-0.000 χ^2 /NDF: 1619705502804.6/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2335654.6/26

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:547831.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2524687.9/30

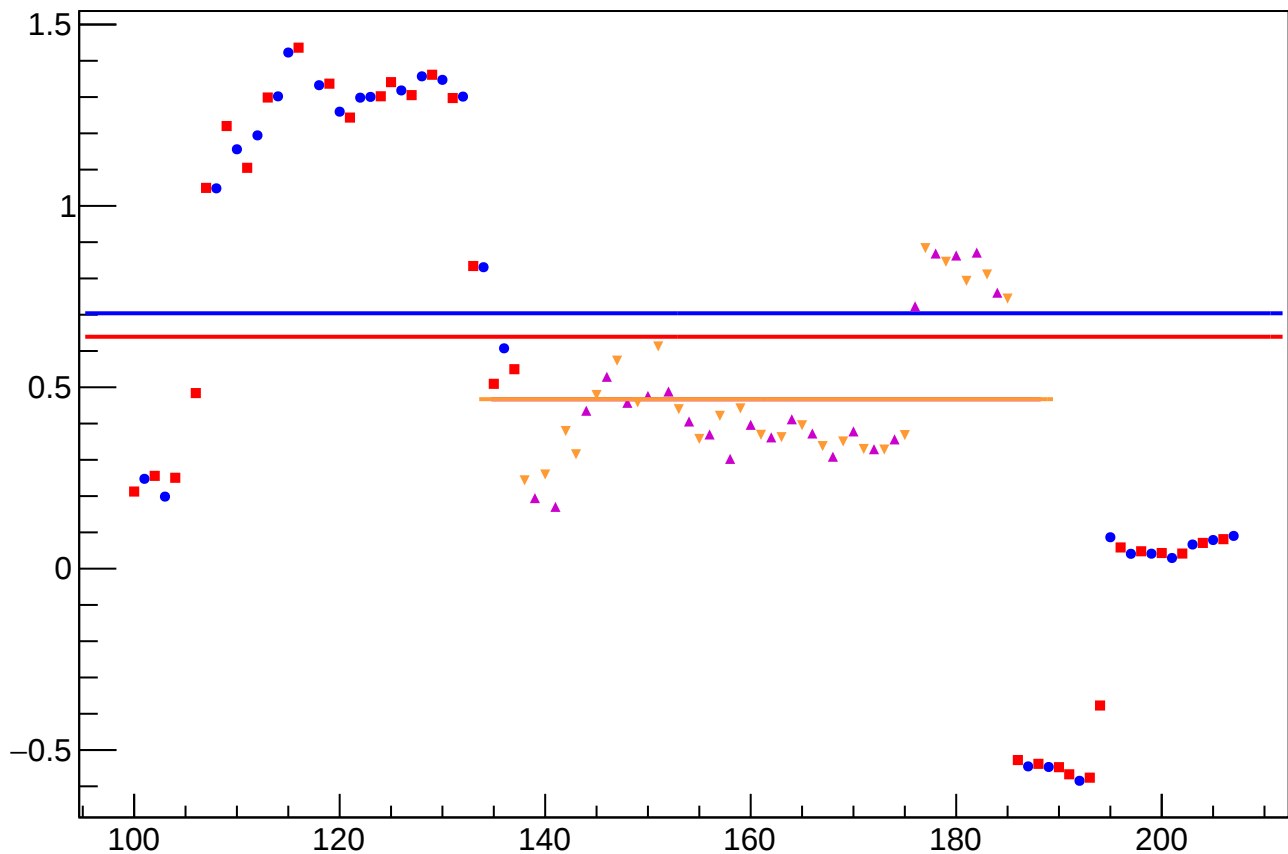
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2884218.2/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5873399.4/105

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2987979.2/53

yield_bpm2i02X_mean vs Slug



Right In: 0.704 +/- 0.000 χ^2/NDF : 75431243887.4/26

Left Out: 0.467 +/- 0.000 χ^2/NDF : 7359344143.3/24

Right Out: 0.639 +/- 0.000 χ^2/NDF : 95846651044.8/30

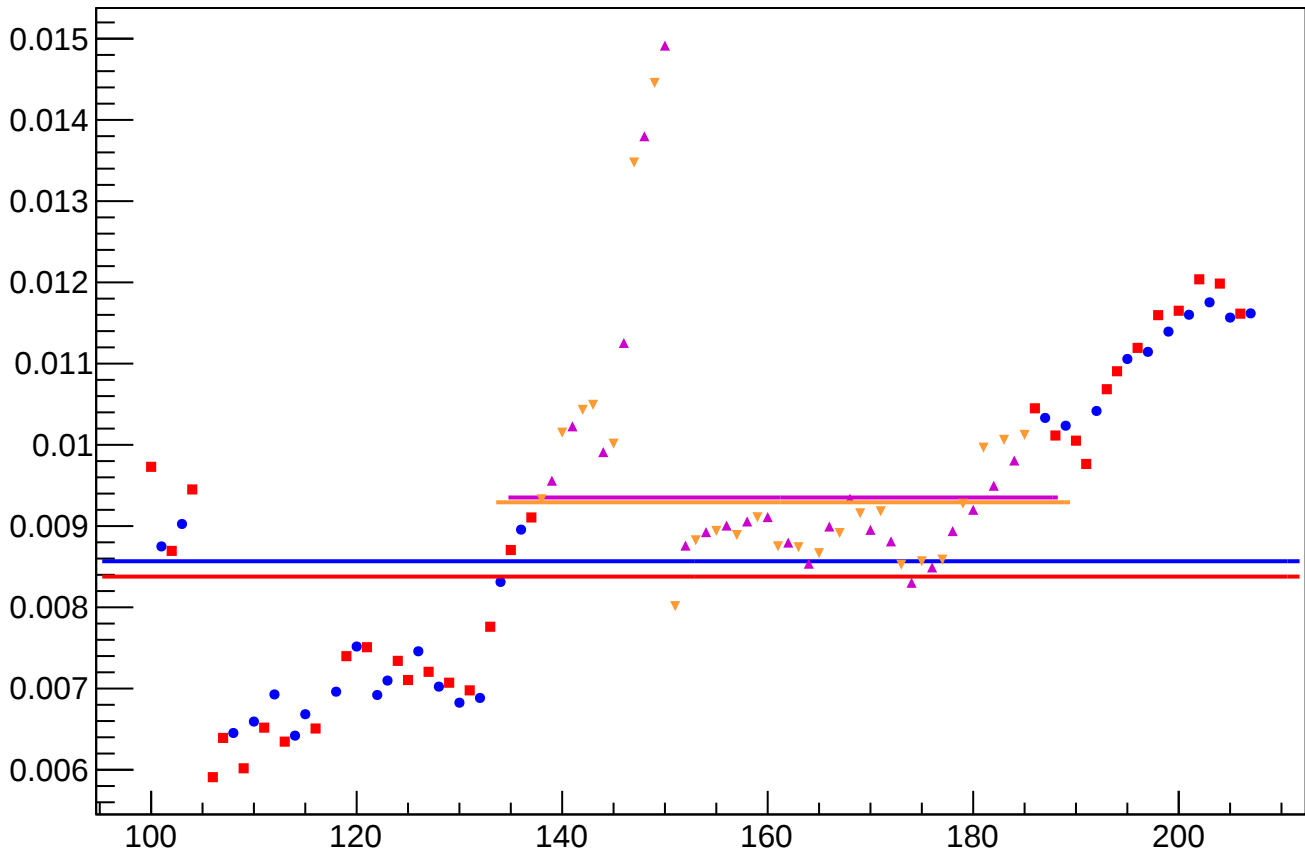
Left In: 0.467 +/- 0.000 χ^2/NDF : 8036741308.0/22

+ sign 0.576 +/- 0.000 χ^2/NDF : 88196182723.1/51

All: 0.566 +/- 0.000 χ^2/NDF : 195121116213.0

- sign 0.555 +/- 0.000 χ^2/NDF : 106833473140.4/53

yield_bpm2i02X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1345228.4/26

Left Out: 0.009+/-0.000 χ^2/NDF : 528279.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1686297.9/30

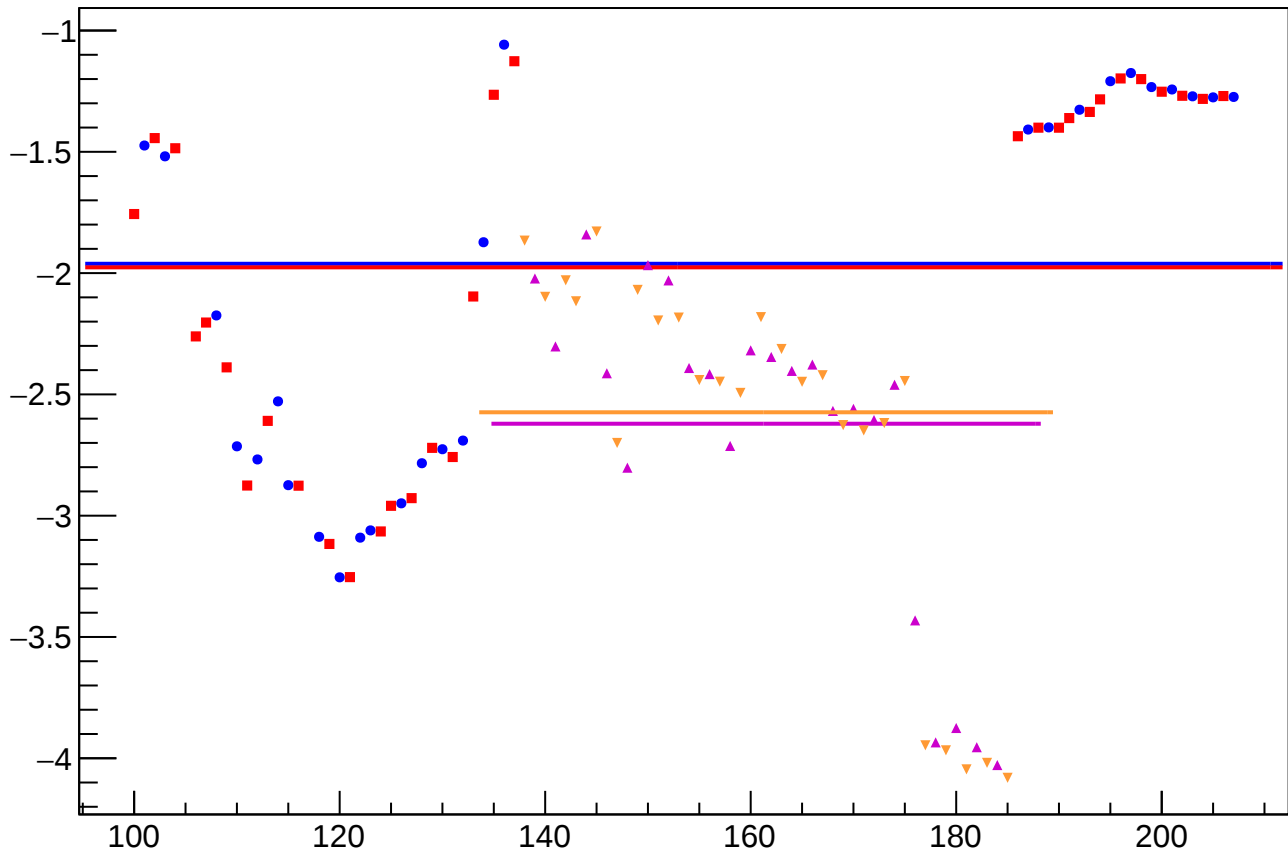
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 1975017.7/51

All: 0.009+/-0.000 χ^2/NDF : 4411073.6/105

- sign 0.009+/-0.000 χ^2/NDF : 2431880.9/53

yield_bpm2i02Y_mean vs Slug



Right In: -1.962 ± 0.000 χ^2/NDF : 124160068629.2/26

Left Out: -2.574 ± 0.000 χ^2/NDF : 99176112704.9/24

Right Out: -1.976 ± 0.000 χ^2/NDF : 121622901333.7/30

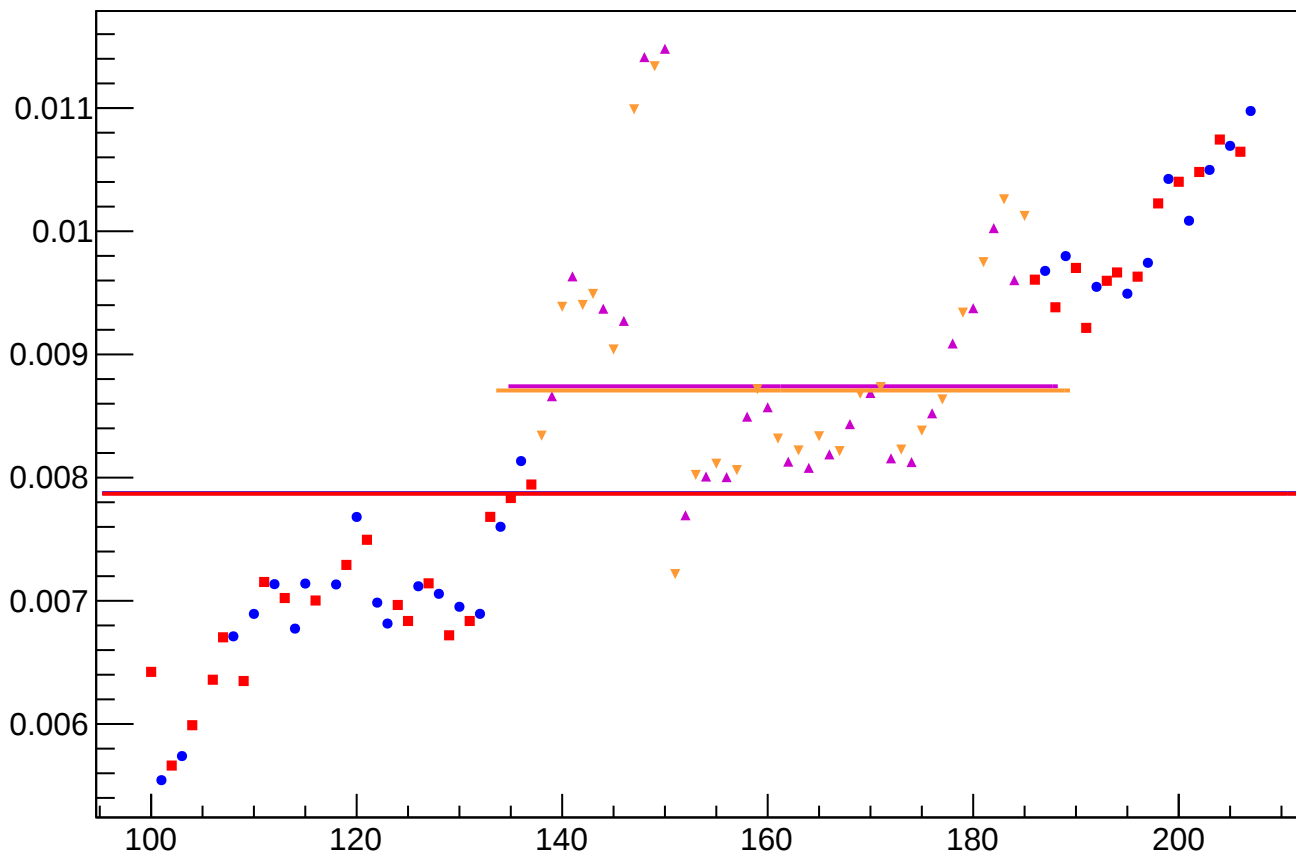
Left In: -2.621 ± 0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.285 ± 0.000 χ^2/NDF : 265628209087.4/51

All: -2.289 ± 0.000 χ^2/NDF : 515709103873.5

- sign -2.292 ± 0.000 χ^2/NDF : 250071732732.4/53

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1228558.2/26

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1233184.9/30

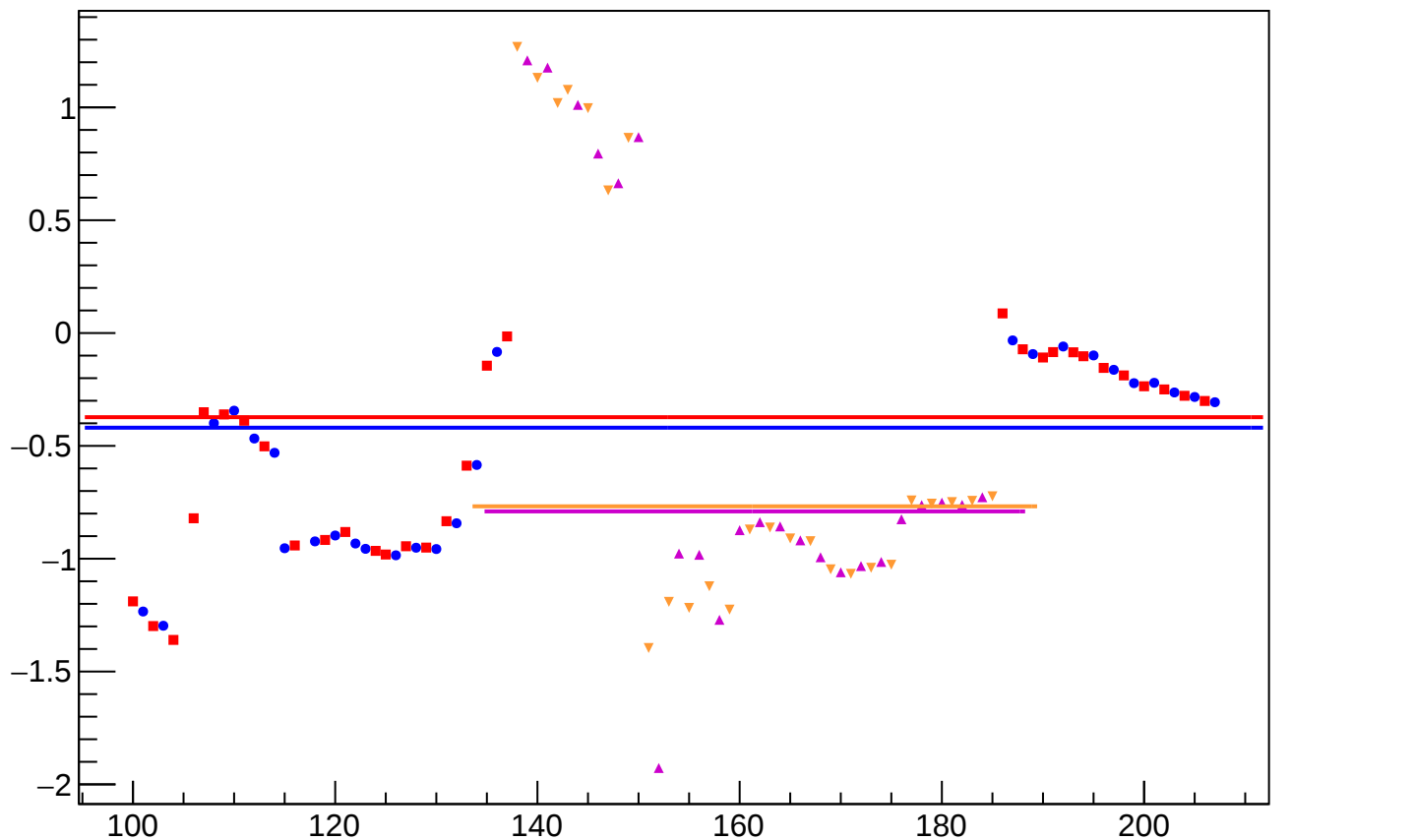
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 1754865.0/51

All: 0.008+/-0.000 χ^2/NDF : 3516027.9/105

- sign 0.008+/-0.000 χ^2/NDF : 1761004.3/53

yield_bpm0i01X_mean vs Slug



Right In: -0.419+/-0.000 χ^2 /NDF: 22487257396.6/26

Left Out: -0.768+/-0.000 χ^2 /NDF:120774855982.9/24

Right Out: -0.373+/-0.000 χ^2 /NDF: 25076139288.6/30

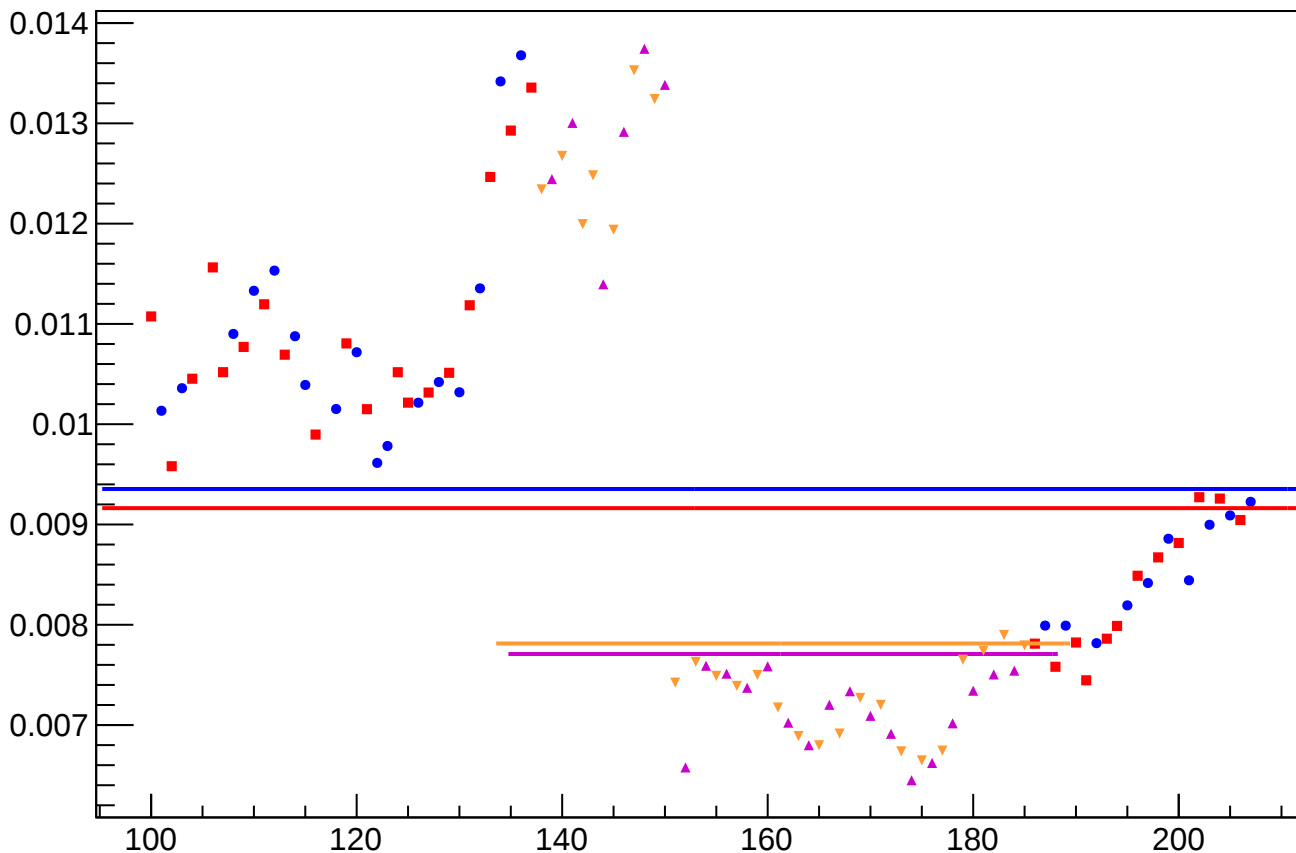
Left In: -0.790+/-0.000 χ^2 /NDF:123452478408.2/22

+ sign -0.645+/-0.000 χ^2 /NDF: 155289943088.0/51

All: -0.637+/-0.000 χ^2 /NDF: 322308633265.1

- sign -0.628+/-0.000 χ^2 /NDF: 166954570998.6/53

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 541041.1/26

Left Out: 0.008+/-0.000 χ^2/NDF :1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 628464.8/30

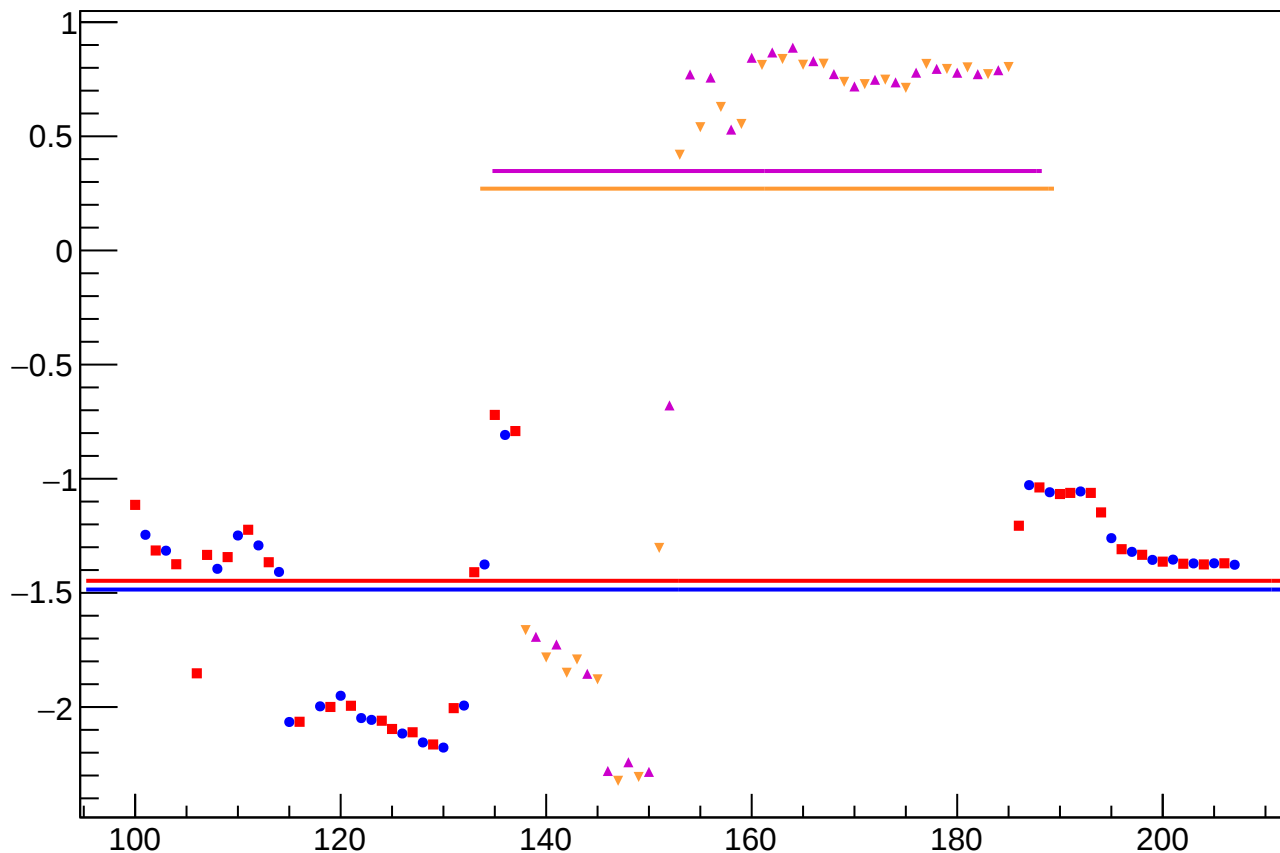
Left In: 0.008+/-0.000 χ^2/NDF :1746653.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2717659.9/51

All: 0.008+/-0.000 χ^2/NDF : 5542827.7/105

- sign 0.008+/-0.000 χ^2/NDF : 2822228.1/53

yield_bpm0i01Y_mean vs Slug



Right In: -1.485+/-0.000 χ^2 /NDF: 174317216620.2/26

Left Out: 0.271+/-0.000 χ^2 /NDF: 2583233987355.9/24

Right Out: -1.447+/-0.000 χ^2 /NDF: 164143041521.6/30

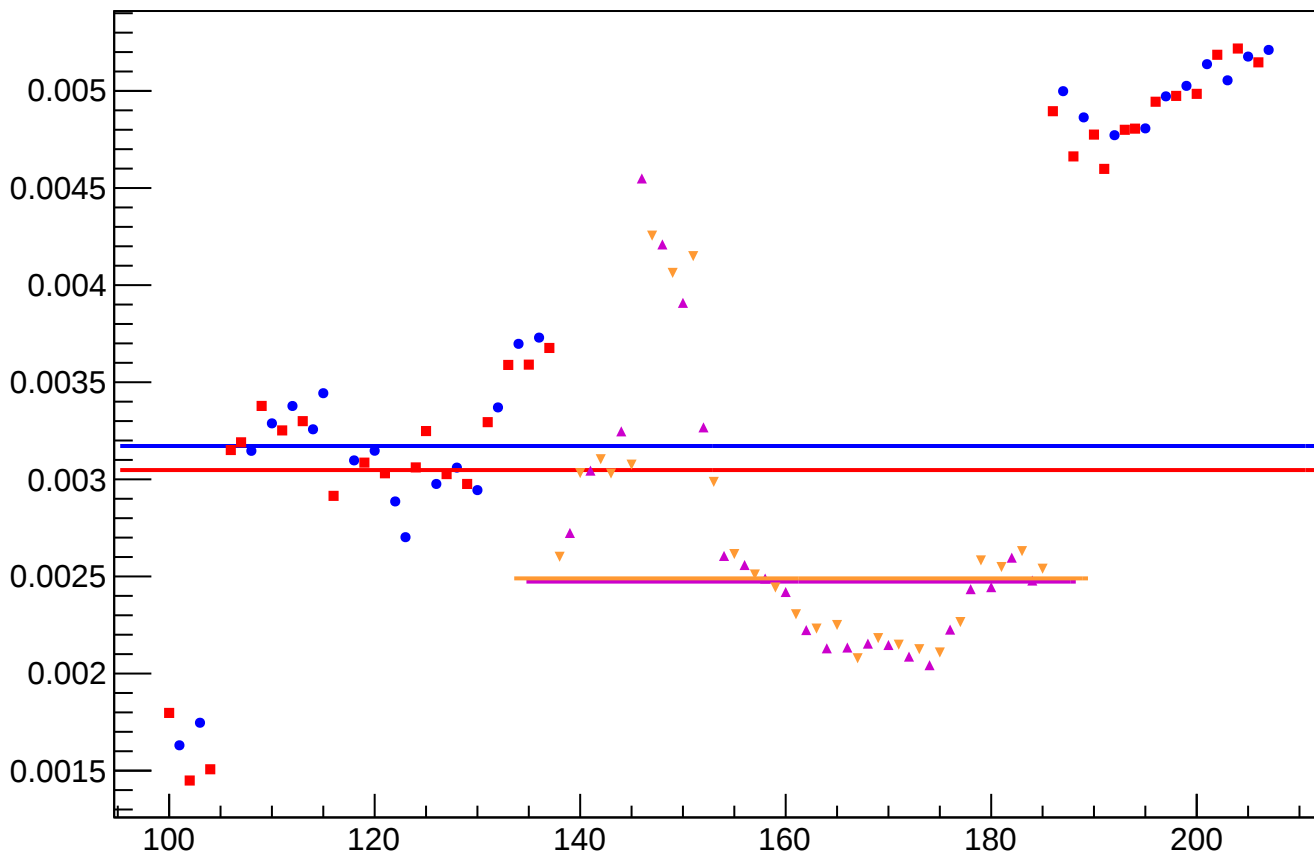
Left In: 0.348+/-0.000 χ^2 /NDF: 2274004426513.8/22

+ sign -0.257+/-0.000 χ^2 /NDF: 5189777432768.4/5

All: -0.261+/-0.000 χ^2 /NDF: 1036005702920

- sign -0.265+/-0.000 χ^2 /NDF: 5170169590667.8/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3485866.1/26

Left Out: 0.002+/-0.000 χ^2/NDF :1070282.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4531840.1/30

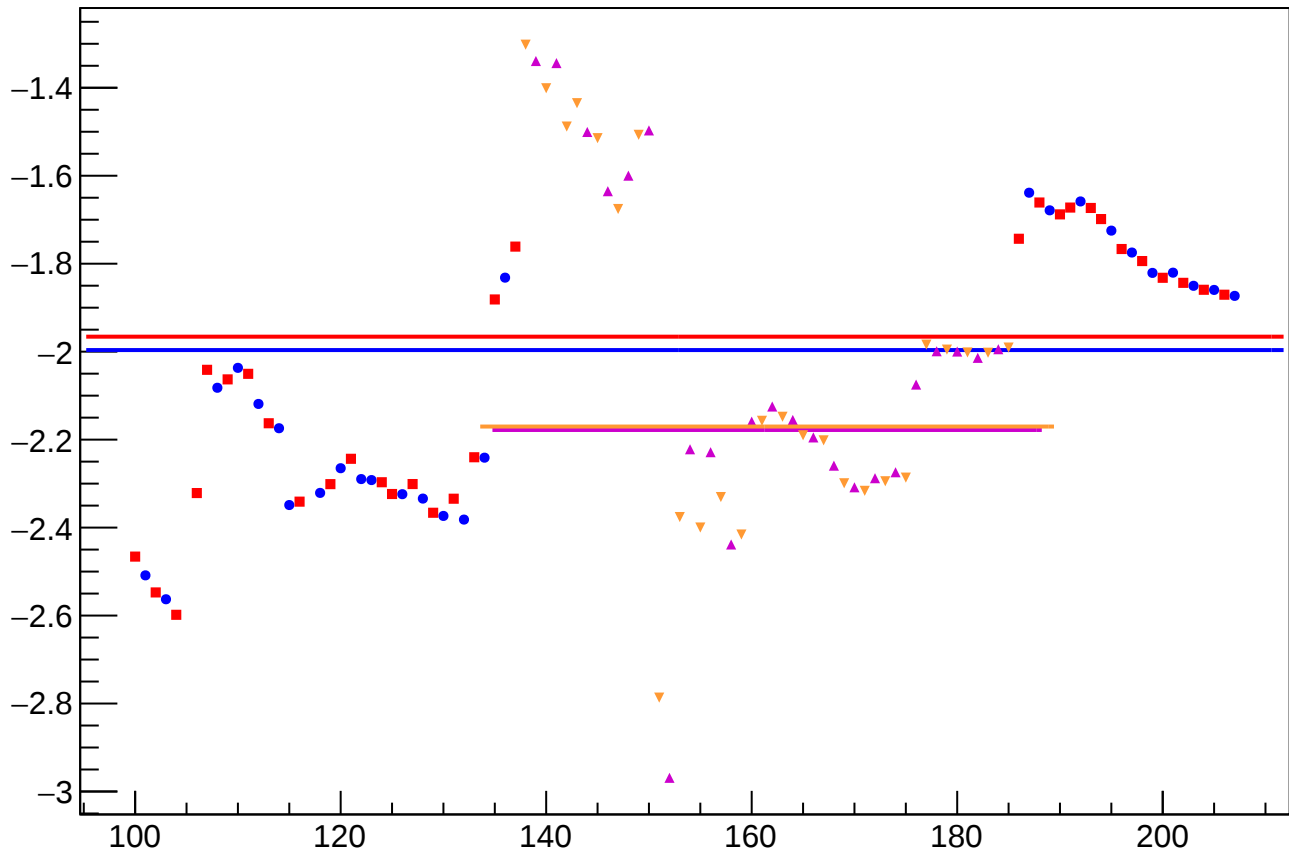
Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 5289093.4/51

All: 0.003+/-0.000 χ^2/NDF : 11518115.5/105

- sign 0.003+/-0.000 χ^2/NDF : 6226582.0/53

yield_bpm0i01aX_mean vs Slug



Right In: -1.996 ± 0.000 χ^2/NDF : 30532310557.1/26

Left Out: -2.170 ± 0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.966 ± 0.000 χ^2/NDF : 34760034398.0/30

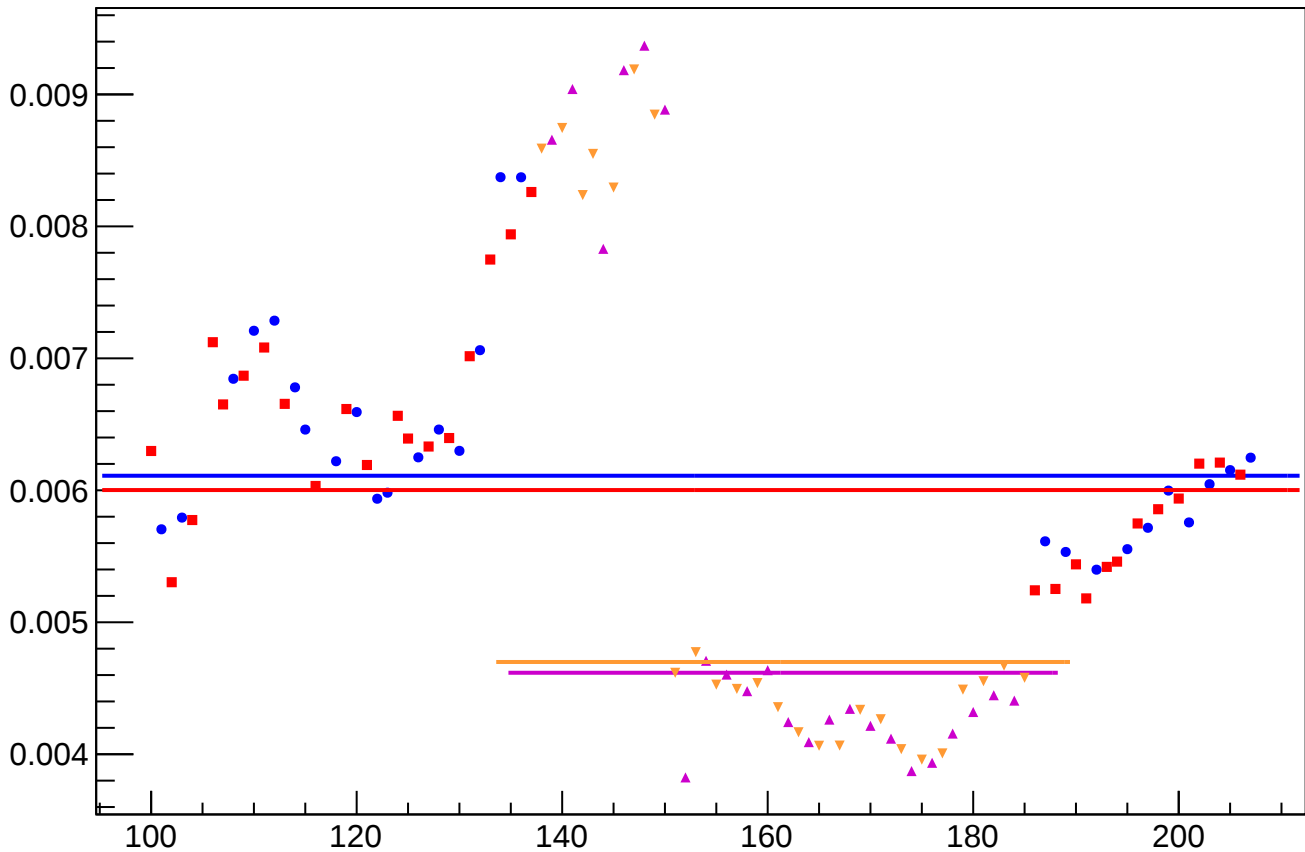
Left In: -2.178 ± 0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.114 ± 0.000 χ^2/NDF : 97844857142.3/51

All: -2.108 ± 0.000 χ^2/NDF : 217795912555.1

- sign -2.103 ± 0.000 χ^2/NDF : 119874906695.0/53

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 302737.6/26

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 353470.1/30

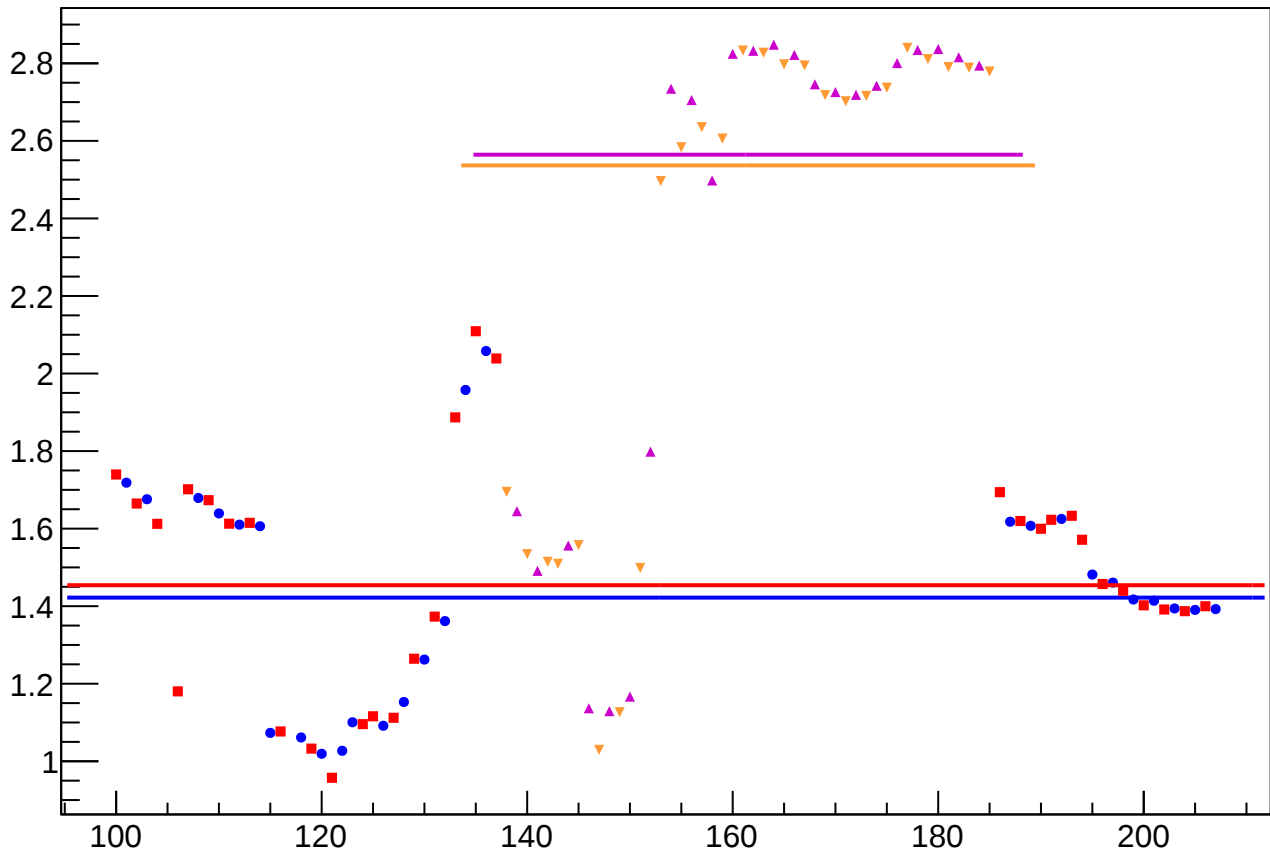
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3590260.7/51

All: 0.005+/-0.000 χ^2/NDF : 7311099.8/105

- sign 0.005+/-0.000 χ^2/NDF : 3718684.0/53

yield_bpm0i01aY_mean vs Slug



Right In: 1.422+/-0.000 χ^2/NDF : 174156893794.9/26

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.454+/-0.000 χ^2/NDF : 176981848754.9/30

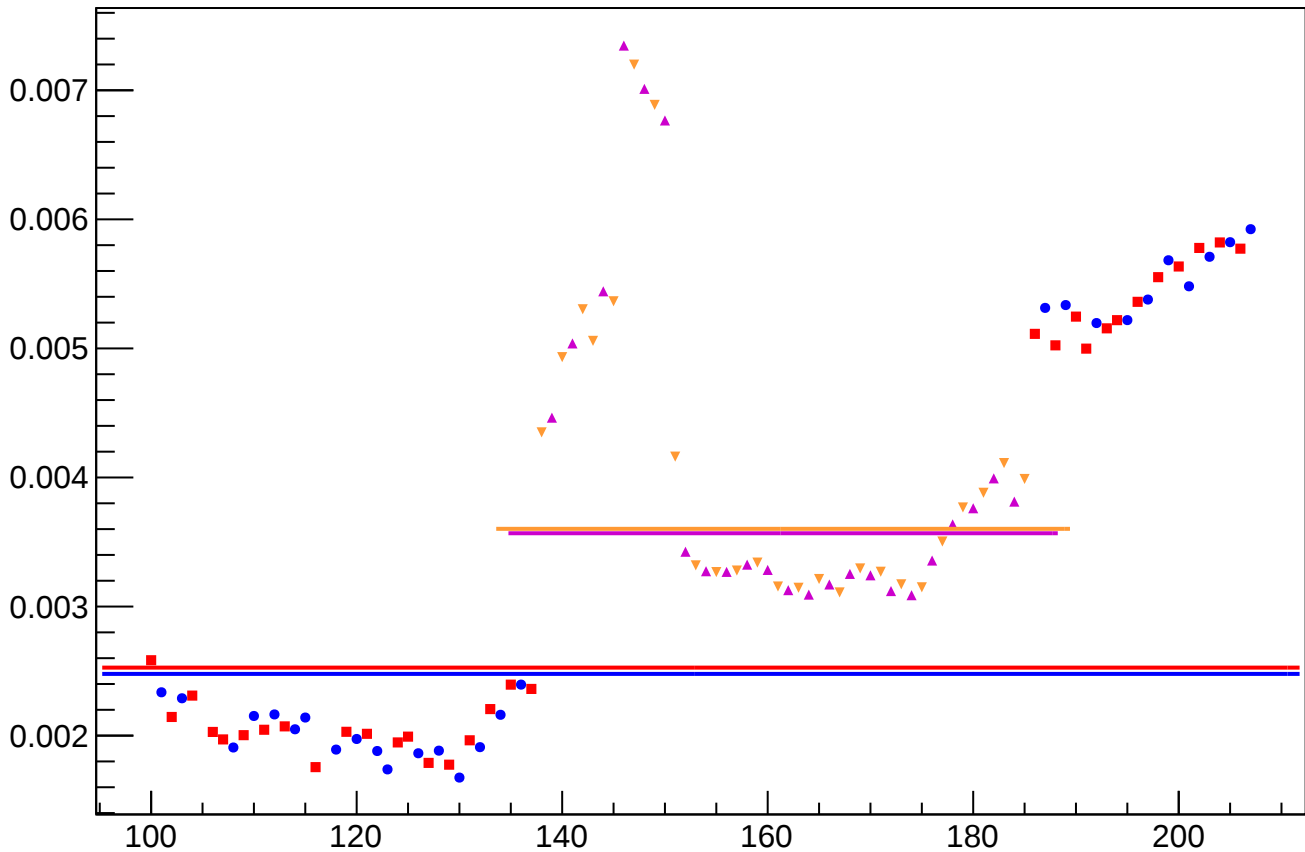
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.895+/-0.000 χ^2/NDF : 1365724750469.8/51

All: 1.896+/-0.000 χ^2/NDF : 2711103681508.

- sign 1.897+/-0.000 χ^2/NDF : 1345368791272.9/53

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 5117496.7/26

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5425055.8/30

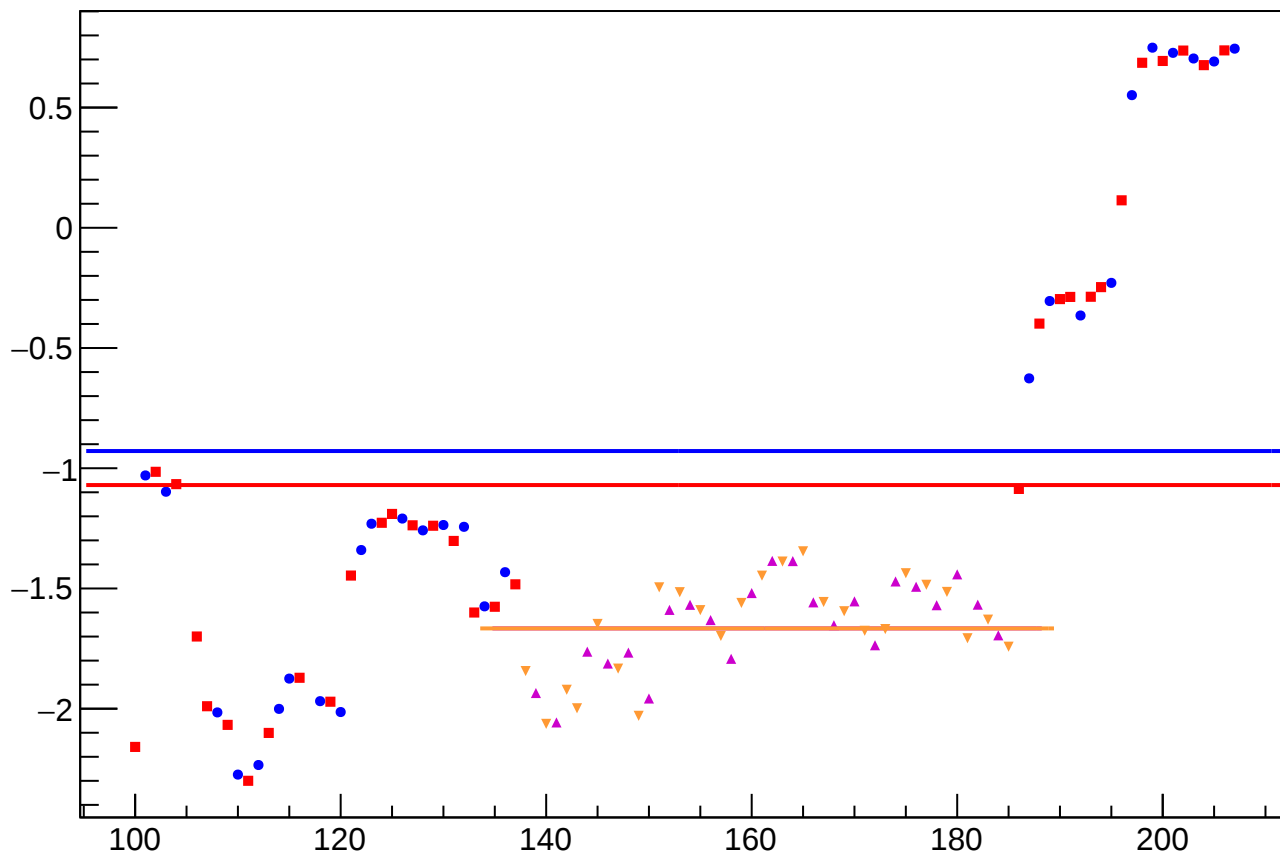
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 8403384.2/51

All: 0.003+/-0.000 χ^2/NDF : 16988689.7/105

- sign 0.003+/-0.000 χ^2/NDF : 8584844.3/53

yield_bpm0l01X_mean vs Slug



Right In: -0.928 ± 0.000 $\chi^2/\text{NDF}: 181106772870.7/26$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18325162131.2/24$

Right Out: -1.070 ± 0.000 $\chi^2/\text{NDF}: 201579527002.6/30$

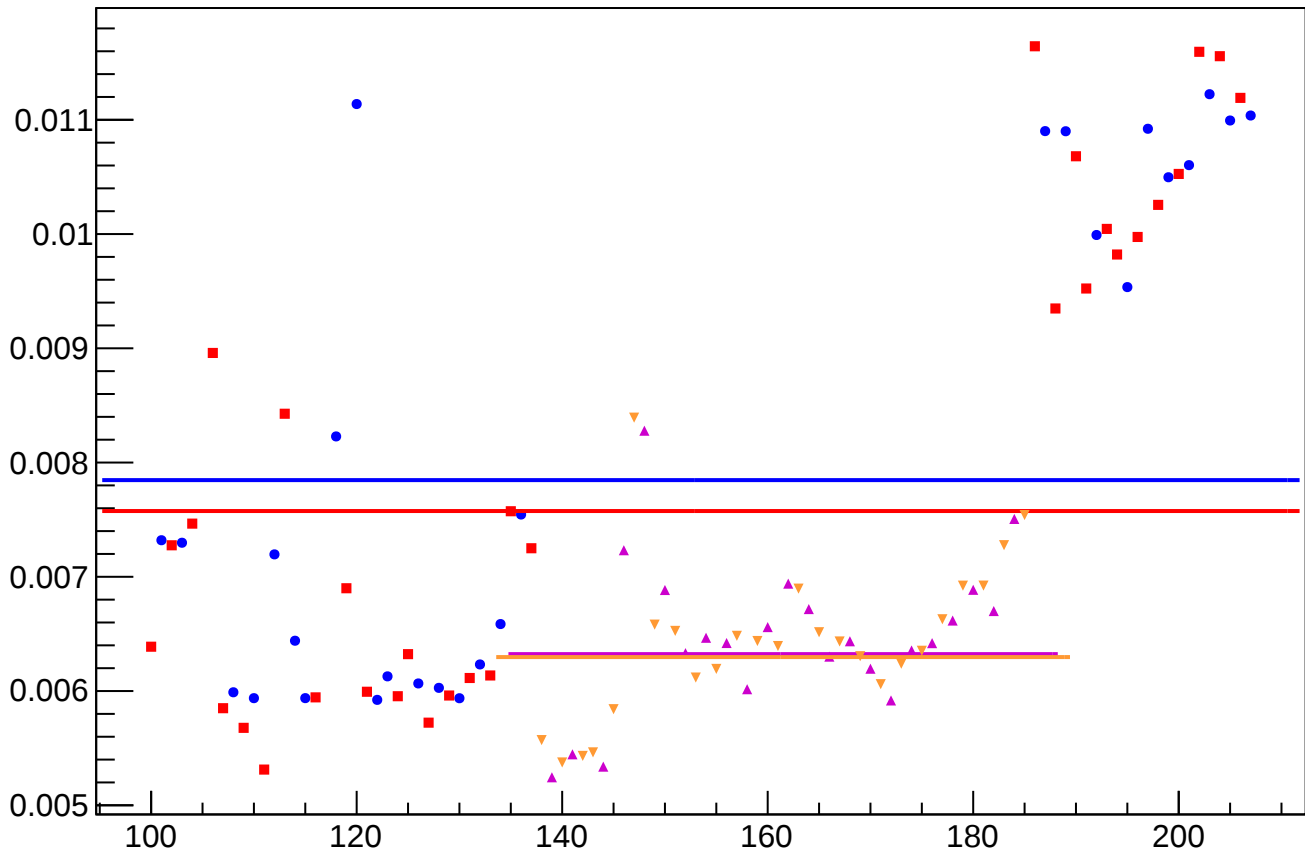
Left In: -1.666 ± 0.000 $\chi^2/\text{NDF}: 14292570816.9/22$

+ sign -1.435 ± 0.000 $\chi^2/\text{NDF}: 274456173803.3/51$

All: -1.442 ± 0.000 $\chi^2/\text{NDF}: 543585119430.8$

- sign -1.448 ± 0.000 $\chi^2/\text{NDF}: 269073892710.4/53$

yield_bpm0l01X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1595022.2/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:310757.0/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1913205.4/30

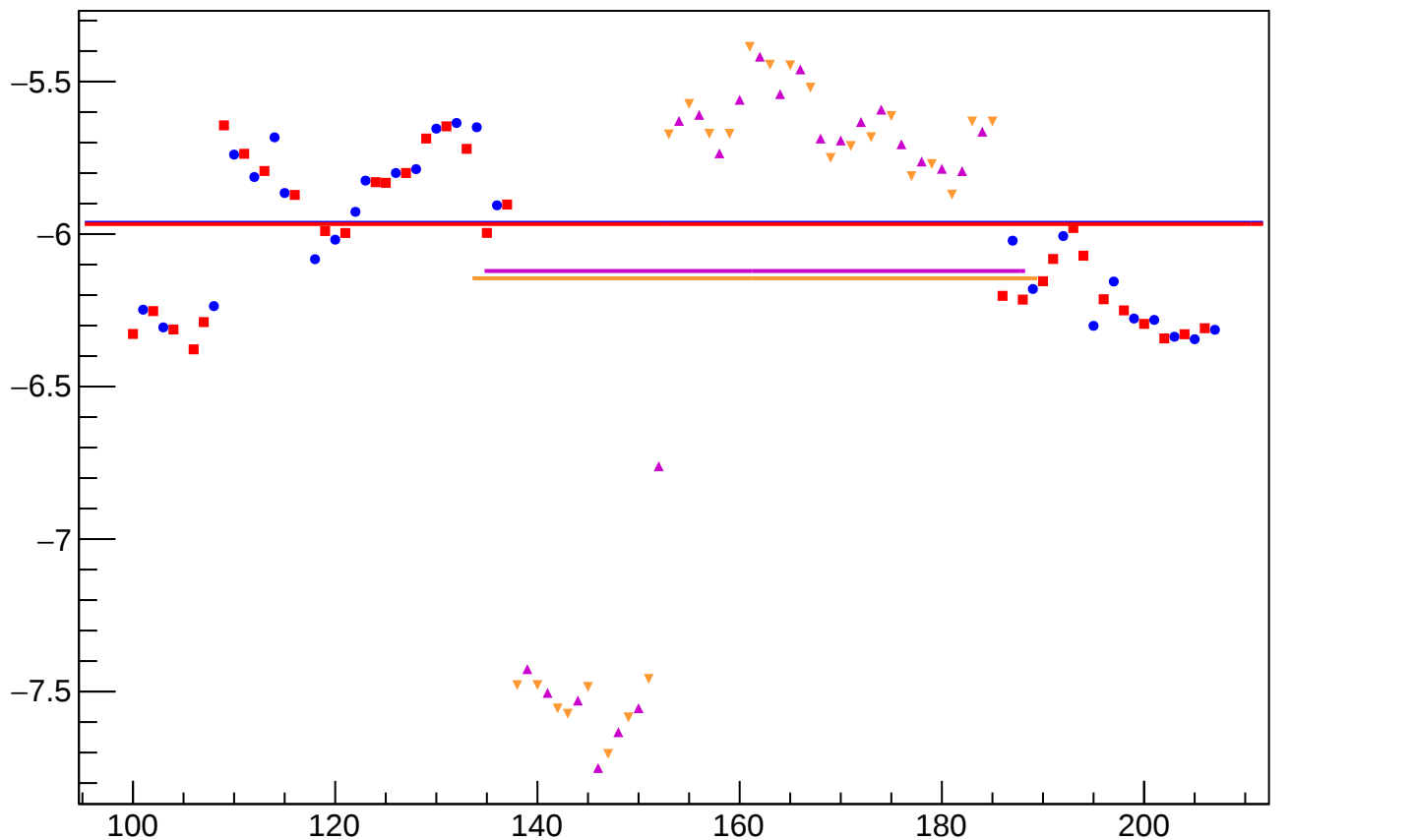
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:330859.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2567376.5/51

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 5280991.1/105

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2713613.5/53

yield_bpm0l01Y_mean vs Slug



Right In: -5.963+/-0.000 χ^2 /NDF: 15051391734.2/26

Left Out: -6.145+/-0.000 χ^2 /NDF:185364150237.7/24

Right Out: -5.967+/-0.000 χ^2 /NDF: 16350539656.5/30

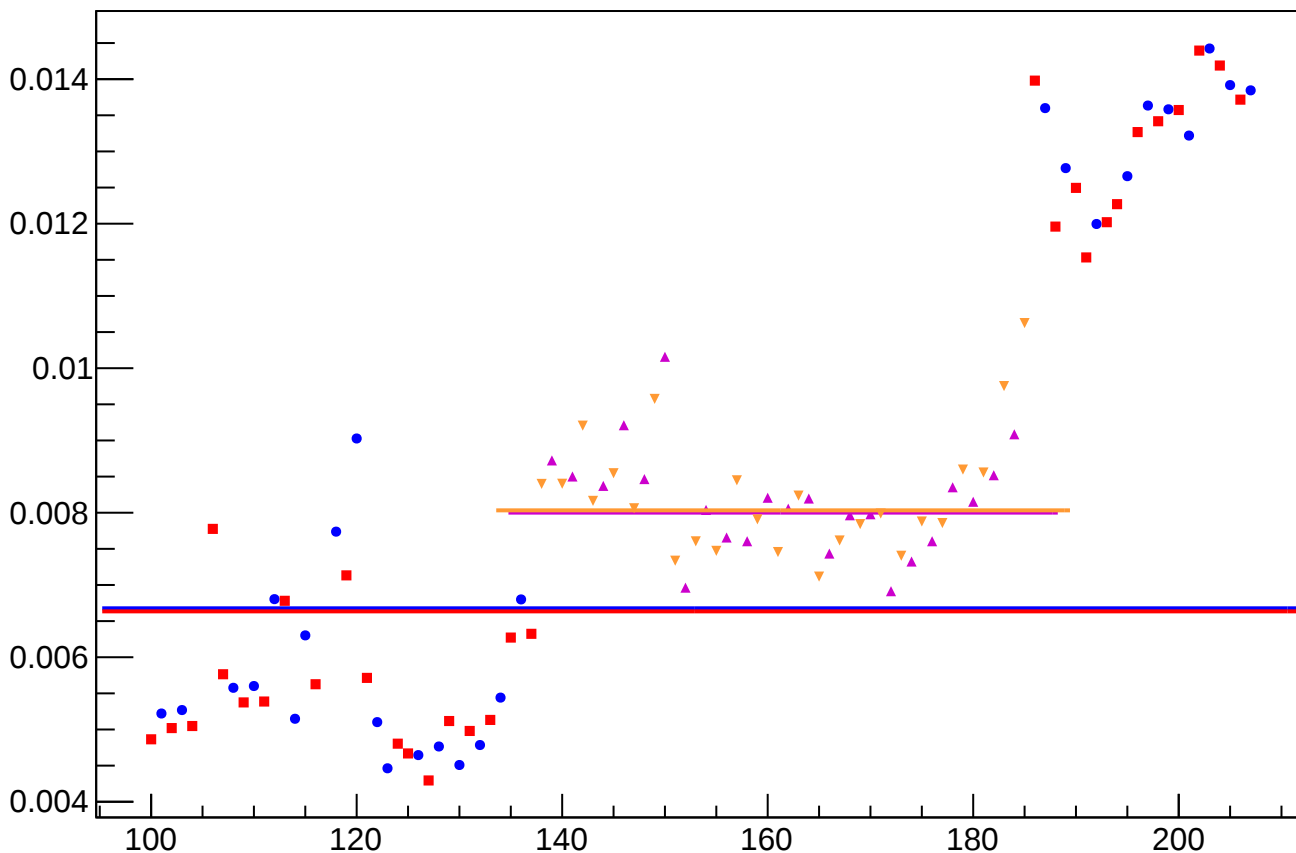
Left In: -6.121+/-0.000 χ^2 /NDF:158315913062.3/22

+ sign -6.057+/-0.000 χ^2 /NDF: 204541872546.2/51

All: -6.049+/-0.000 χ^2 /NDF: 382321984899.9

- sign -6.041+/-0.000 χ^2 /NDF: 177713723619.3/53

yield_bpm0l01Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 4471513.1/26

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205762.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 4730167.4/30

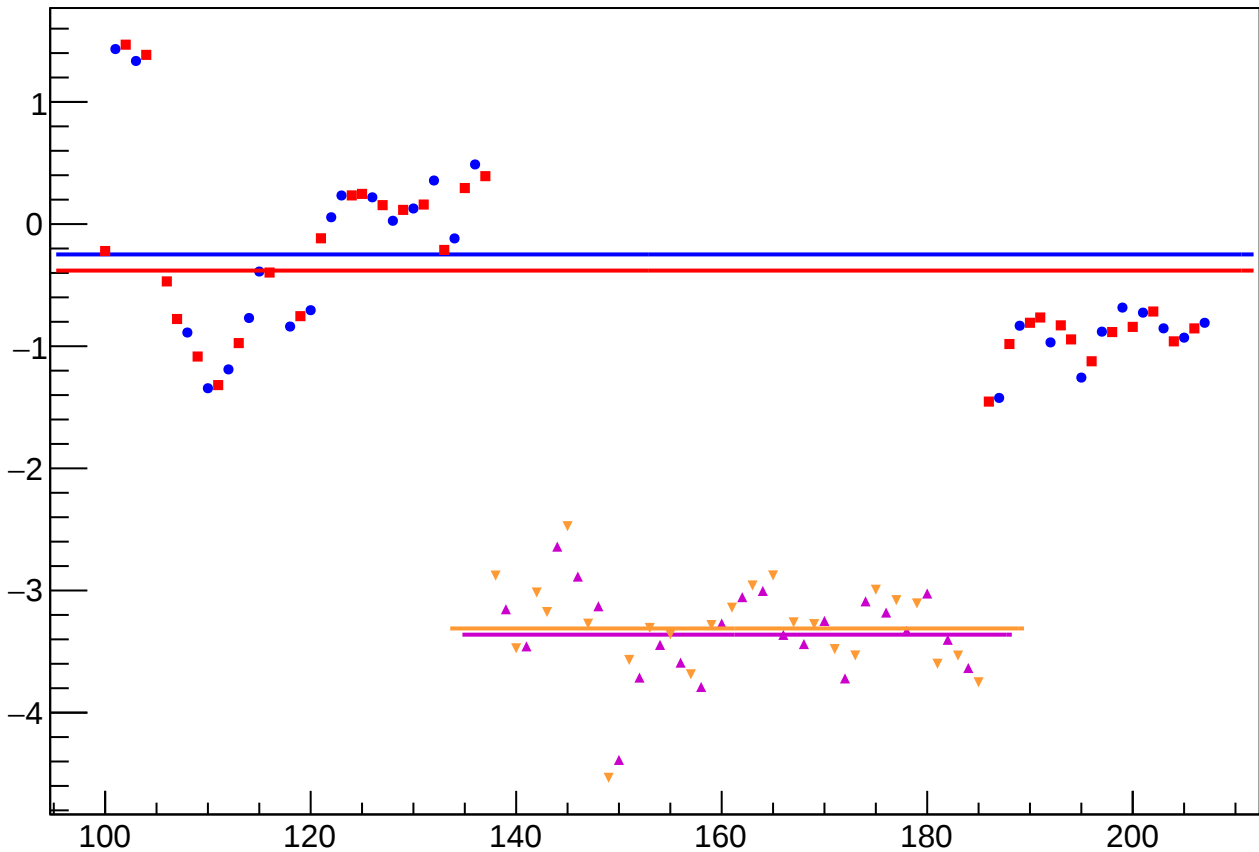
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220756.1/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5134577.5/51

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 10569219.0/105

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5430800.7/53

yield_bpm0l02X_mean vs Slug



Right In: -0.248+/-0.000 χ^2/NDF : 30923075610.4/26

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.381+/-0.000 χ^2/NDF : 32434745862.3/30

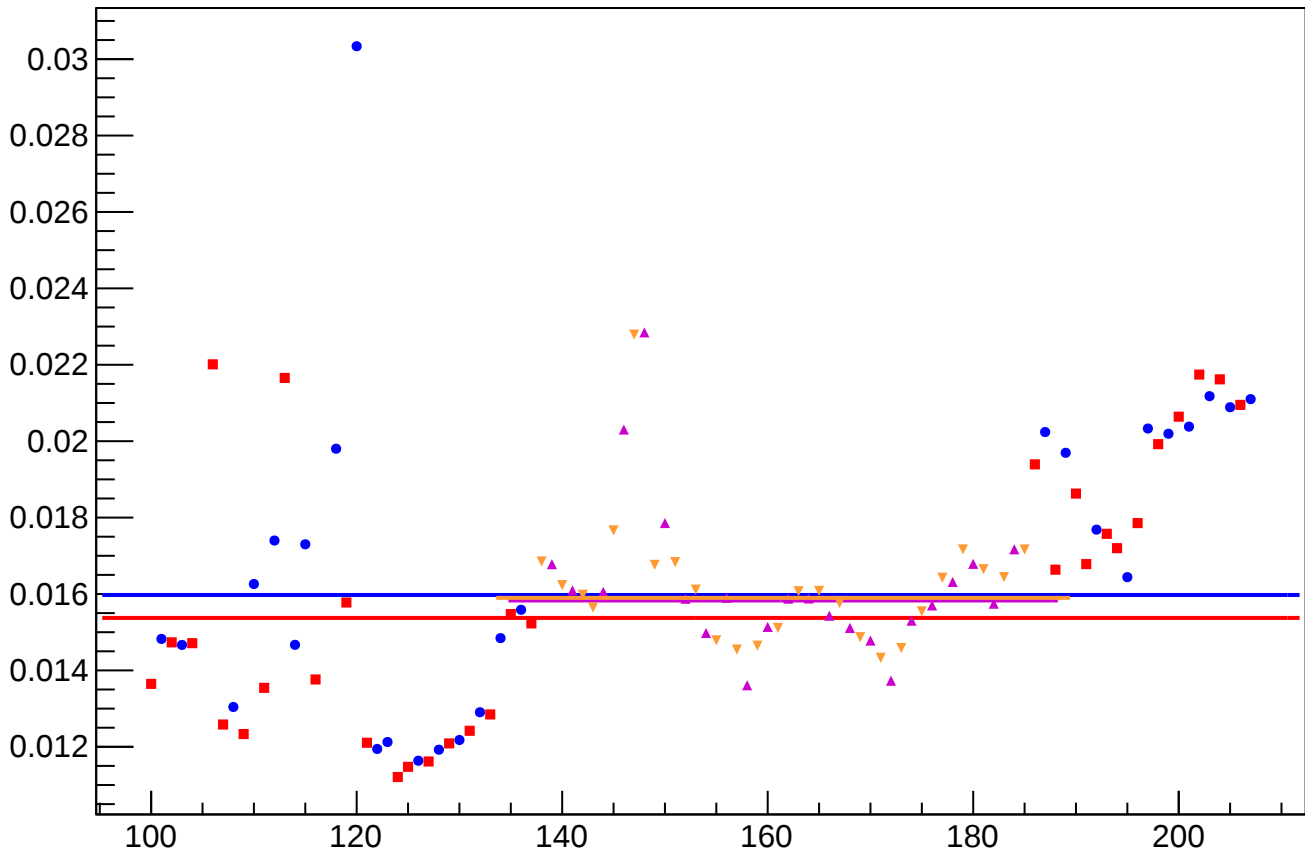
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.050+/-0.000 χ^2/NDF : 310325680419.7/51

All: -2.007+/-0.000 χ^2/NDF : 627036720012.3

- sign -1.966+/-0.000 χ^2/NDF : 316281603131.8/53

yield_bpm0l02X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 1217765.7/26

Left Out: 0.016+/-0.000 χ^2/NDF : 251912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1262556.7/30

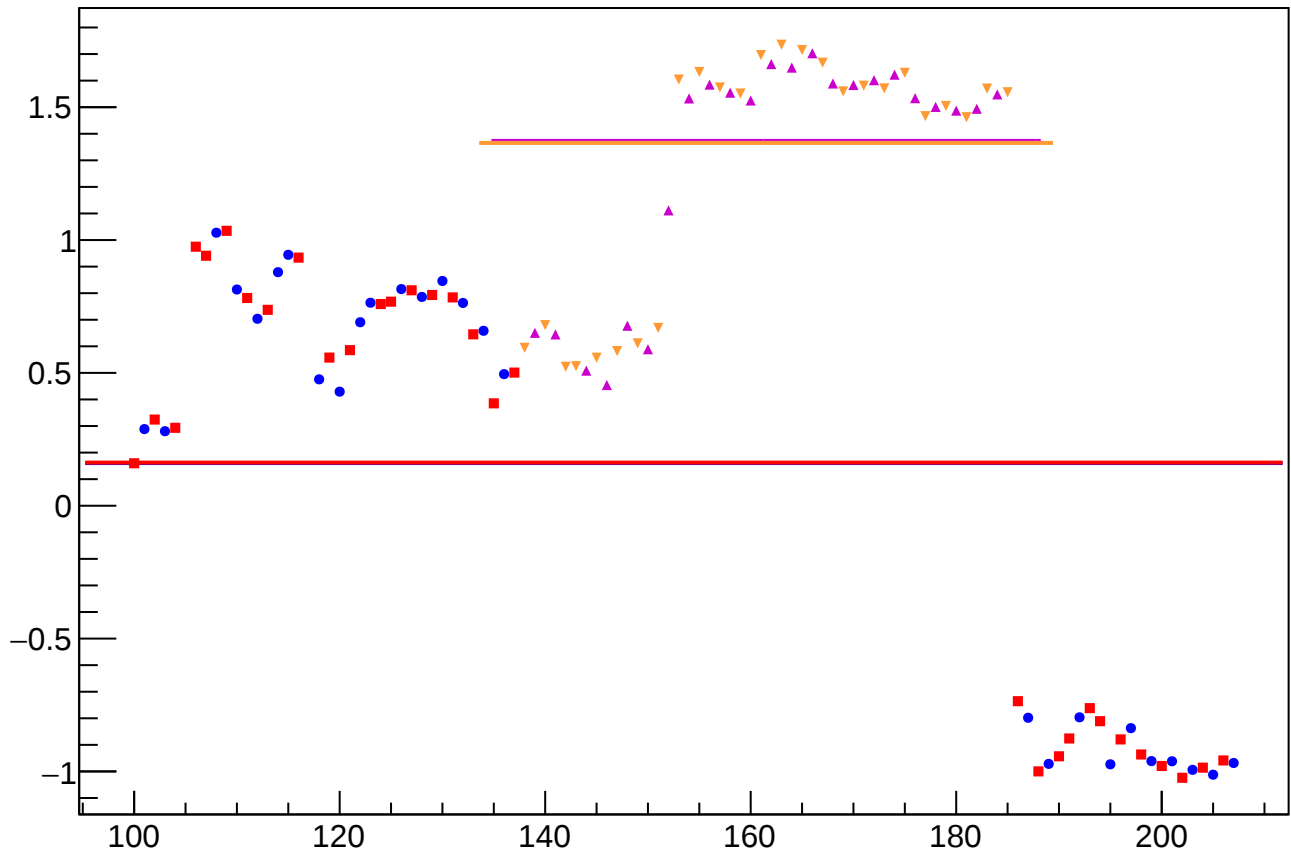
Left In: 0.016+/-0.000 χ^2/NDF : 339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1470011.3/51

All: 0.016+/-0.000 χ^2/NDF : 3096953.2/105

- sign 0.016+/-0.000 χ^2/NDF : 1615036.8/53

yield_bpm0l02Y_mean vs Slug



Right In: 0.161+/-0.000 χ^2/NDF : 72892887514.2/26

Left Out: 1.366+/-0.000 χ^2/NDF : 74741956067.9/24

Right Out: 0.162+/-0.000 χ^2/NDF : 84127248221.3/30

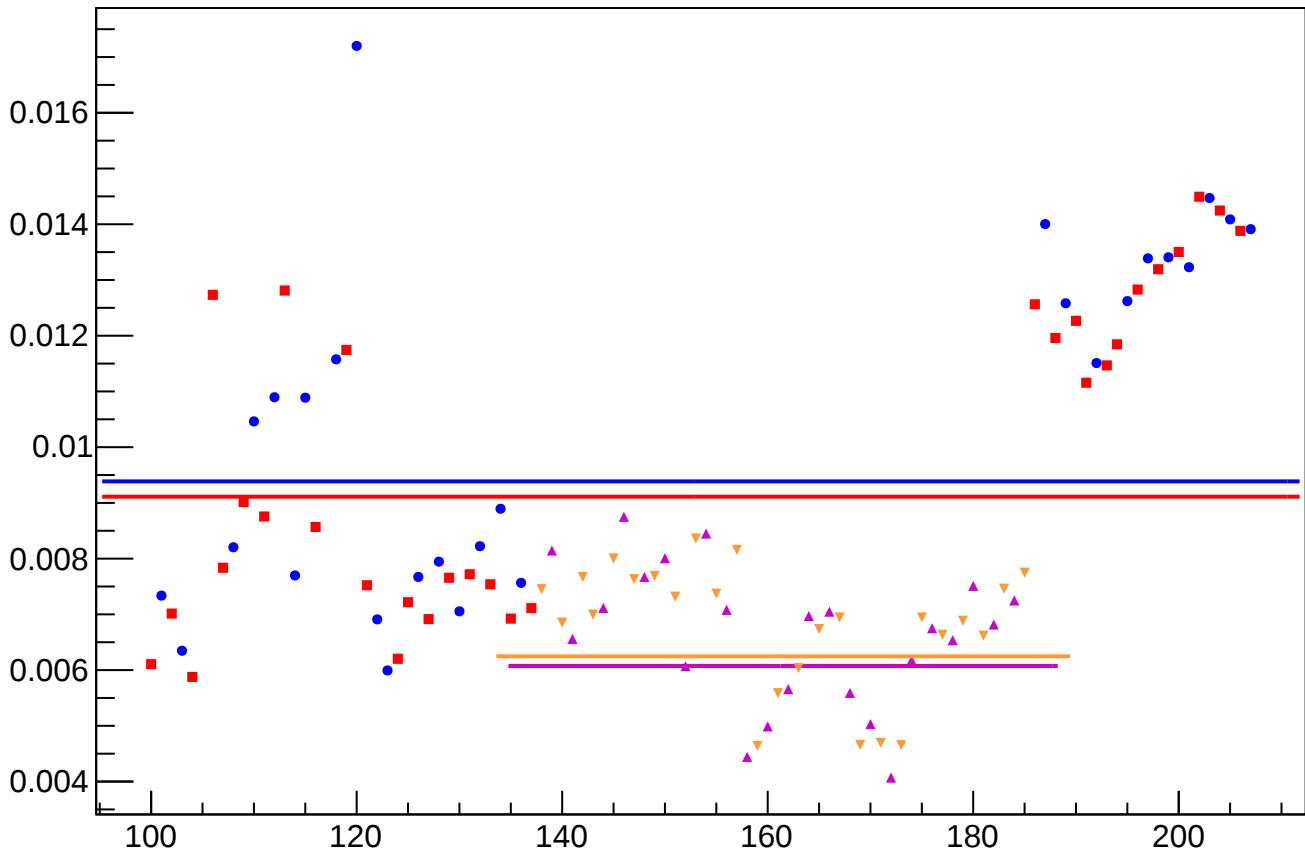
Left In: 1.373+/-0.000 χ^2/NDF : 63413151416.3/22

+ sign 1.076+/-0.000 χ^2/NDF : 296321801386.9/51

All: 1.062+/-0.000 χ^2/NDF : 611464023716.3

- sign 1.050+/-0.000 χ^2/NDF : 314945554508.5/53

yield_bpm0l02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2129161.8/26

Left Out: 0.006+/-0.000 χ^2/NDF :1330867.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2301552.2/30

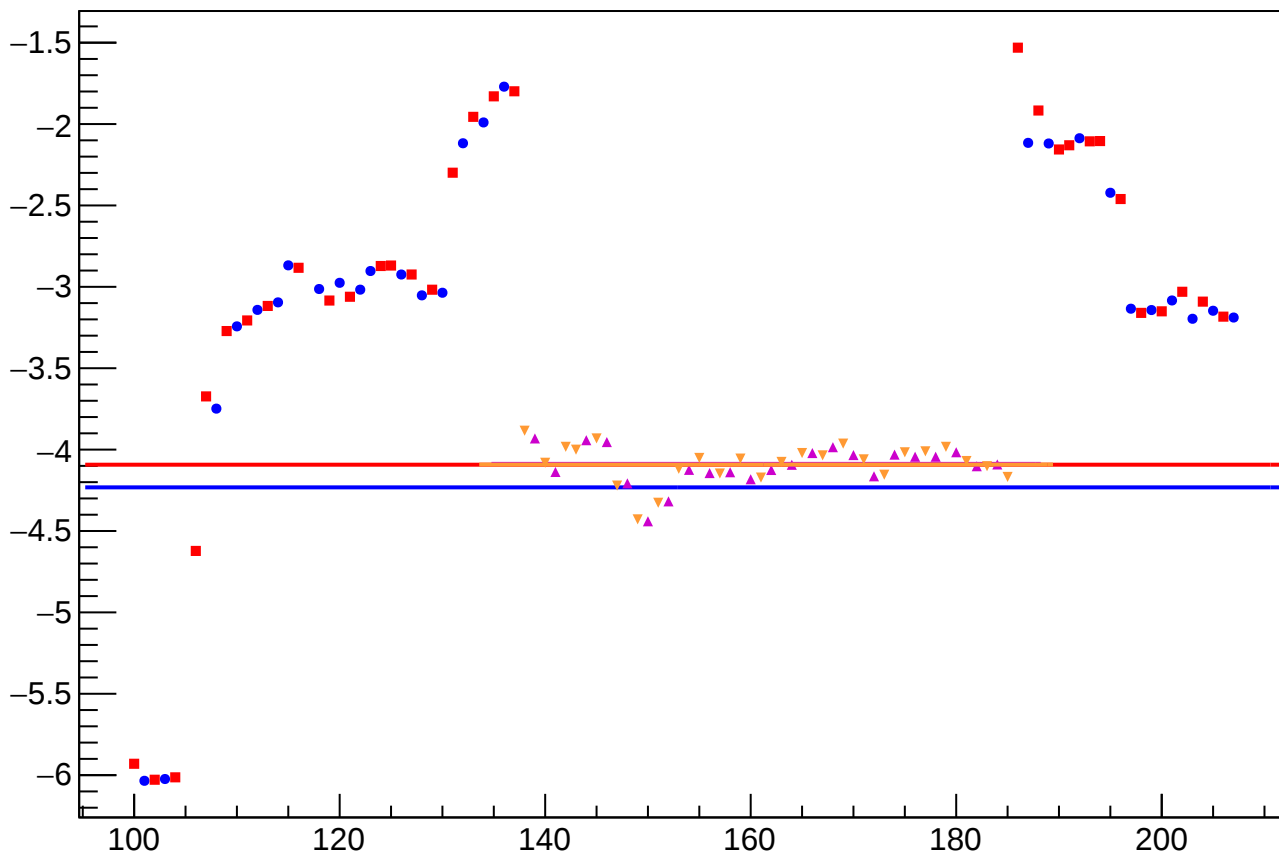
Left In: 0.006+/-0.000 χ^2/NDF :1431986.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 5477941.4/51

All: 0.007+/-0.000 χ^2/NDF : 11325956.8/105

- sign 0.007+/-0.000 χ^2/NDF : 5840319.9/53

yield_bpm0l03X_mean vs Slug



Right In: -4.232 ± 0.000 $\chi^2/\text{NDF}: 274030391190.1/26$

Left Out: -4.092 ± 0.000 $\chi^2/\text{NDF}: 39806766.7/24$

Right Out: -4.093 ± 0.000 $\chi^2/\text{NDF}: 268536086077.6/30$

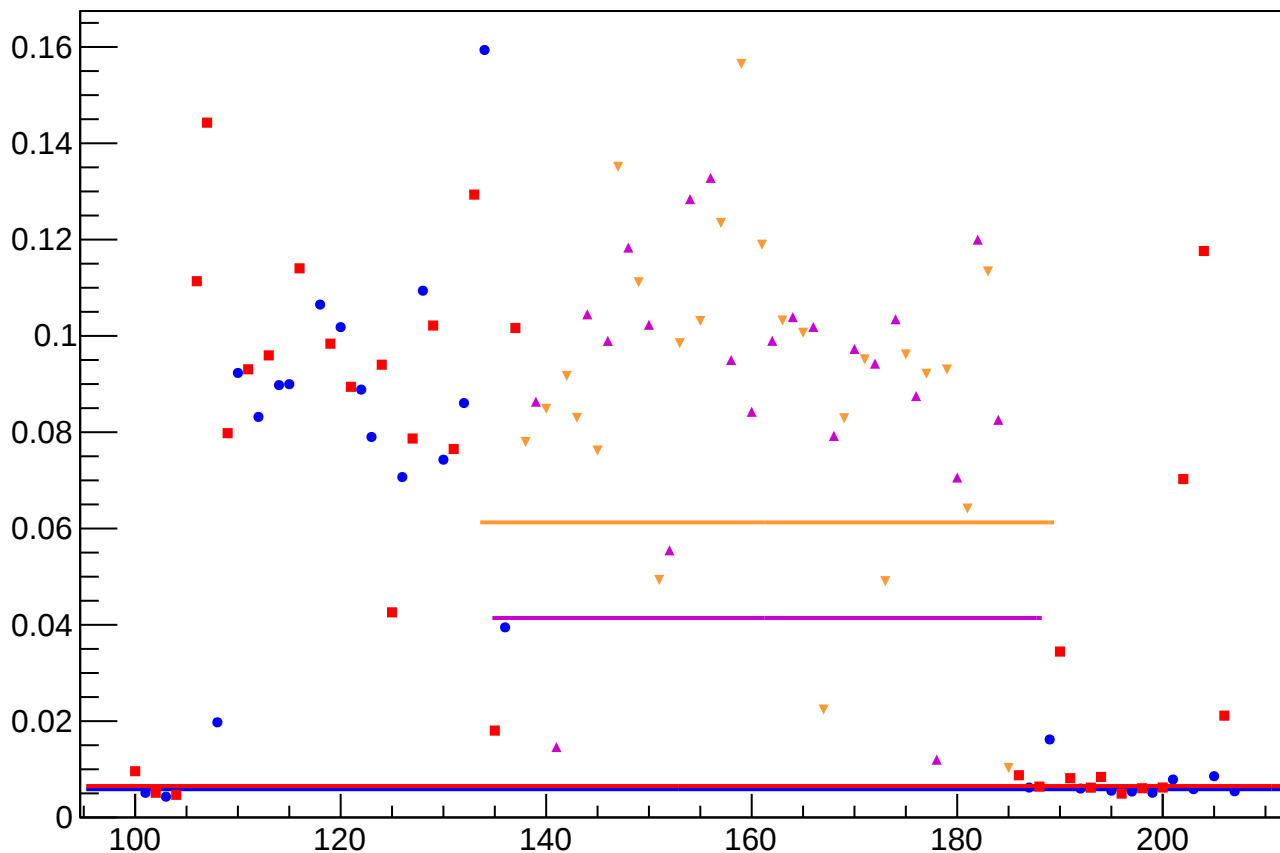
Left In: -4.088 ± 0.000 $\chi^2/\text{NDF}: 34412880.7/22$

+ sign -4.228 ± 0.000 $\chi^2/\text{NDF}: 274126639388.1/51$

All: -4.170 ± 0.000 $\chi^2/\text{NDF}: 543569333730.5$

- sign -4.093 ± 0.000 $\chi^2/\text{NDF}: 268570602107.5/53$

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8069890.9/26

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10329314.0/30

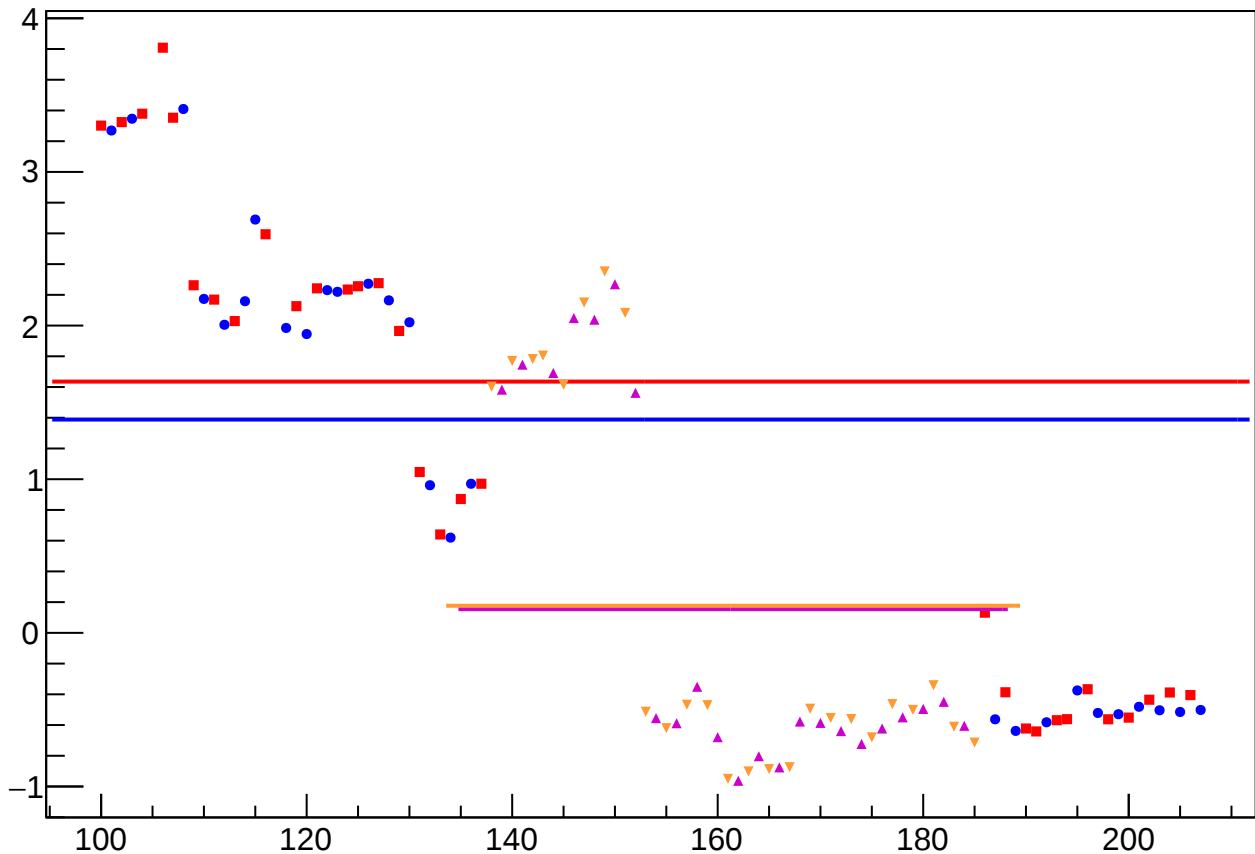
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34072537.6/51

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 67470684.0/105

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33310056.5/53

yield_bpm0l03Y_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF : 205684176352.5/26

Left Out: 0.177+/-0.000 χ^2/NDF : 3275313367.7/24

Right Out: 1.635+/-0.000 χ^2/NDF : 167700675622.8/30

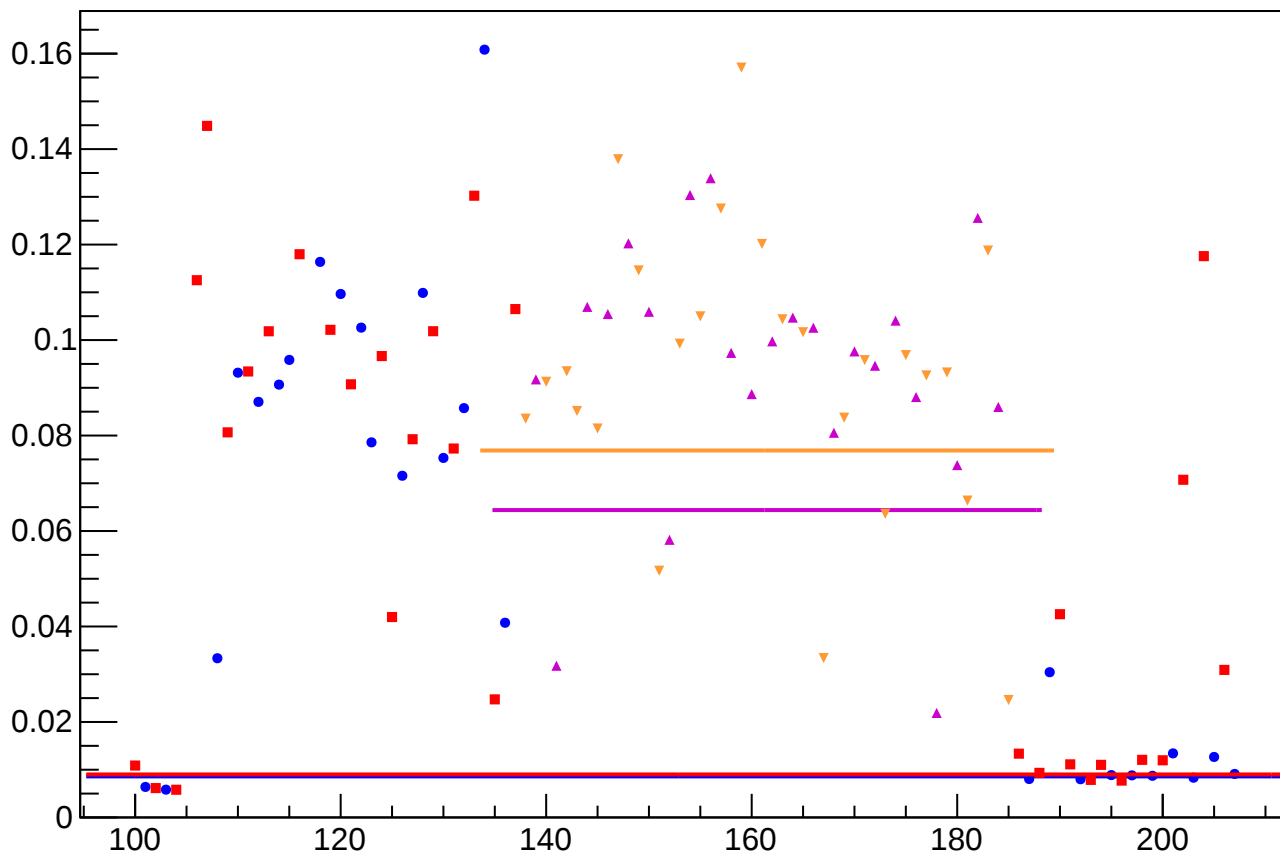
Left In: 0.154+/-0.000 χ^2/NDF : 3163553595.0/22

+ sign 1.342+/-0.000 χ^2/NDF : 212161715265.2/51

All: 1.441+/-0.000 χ^2/NDF : 389669734778.3

- sign 1.559+/-0.000 χ^2/NDF : 176230229287.5/53

yield_bpm0l03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 8029309.0/26

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 10280460.0/30

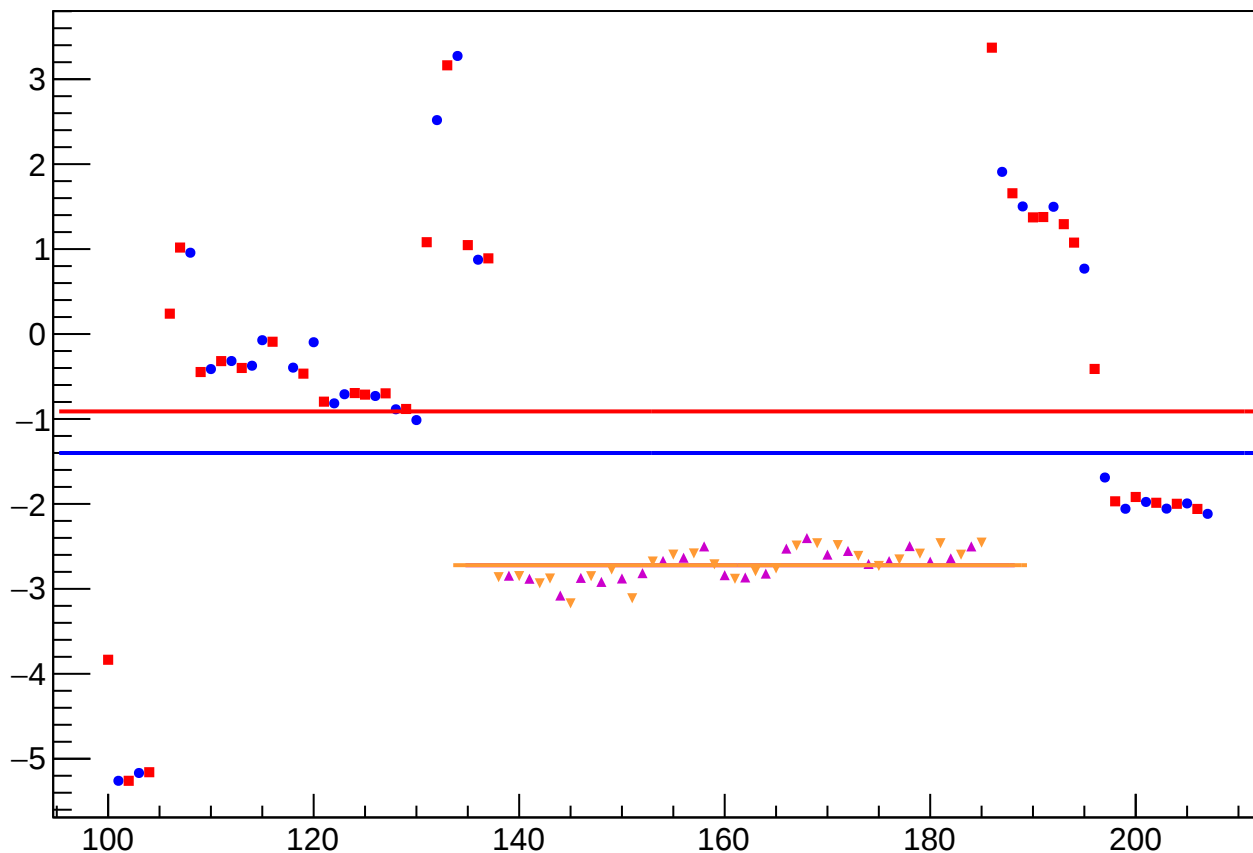
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 32573675.6/51

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 64874226.1/105

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32277031.4/53

yield_bpm0l04X_mean vs Slug



Right In: -1.401+/-0.000 χ^2/NDF : 205723987113.4/26

Left Out: -2.721+/-0.000 χ^2/NDF : 10397156971.6/24

Right Out: -0.911+/-0.000 χ^2/NDF : 235670216105.3/30

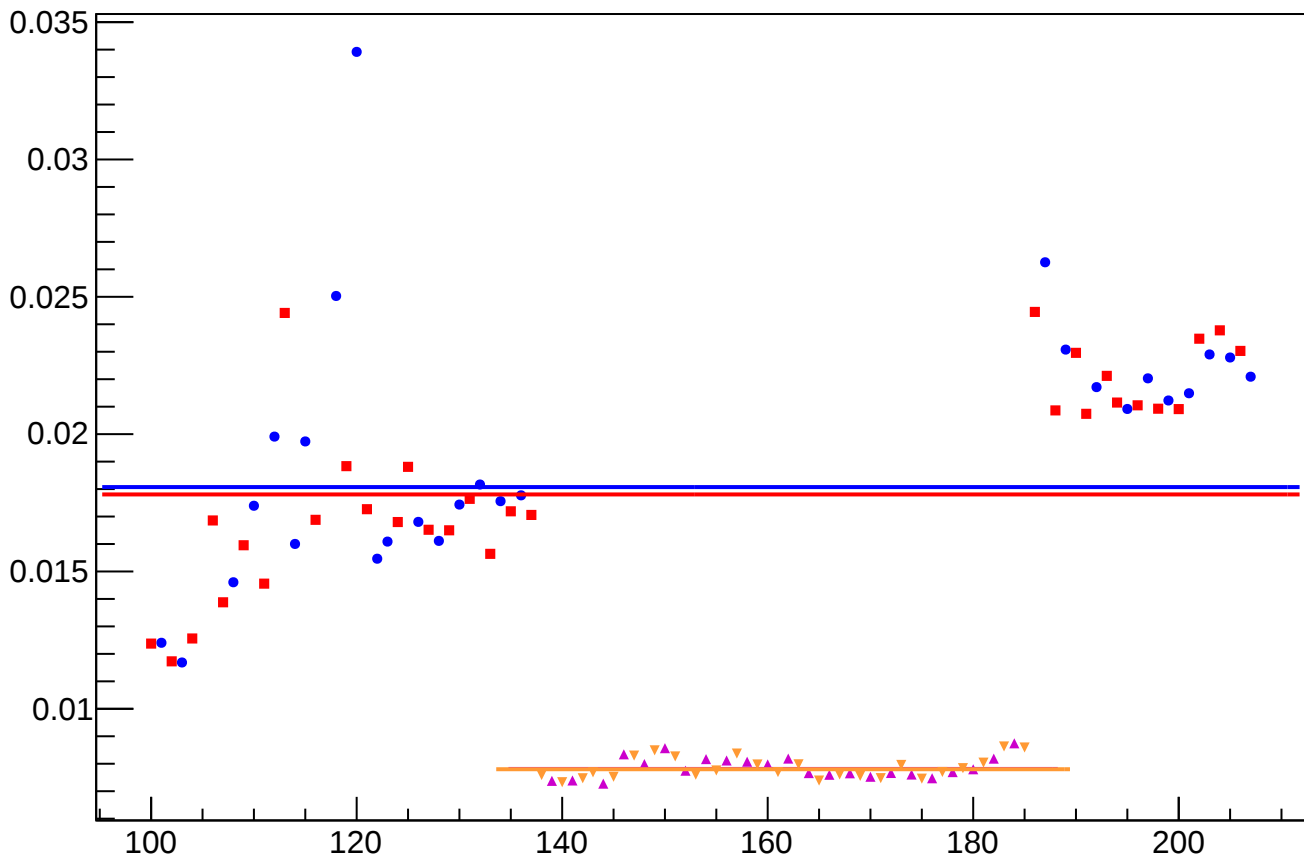
Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.571+/-0.000 χ^2/NDF : 273735463106.3/51

All: -2.526+/-0.000 χ^2/NDF : 639801886525.4

- sign -2.478+/-0.000 χ^2/NDF : 364667933246.2/53

yield_bpm0l04X_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 1308092.6/26

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 1238634.6/30

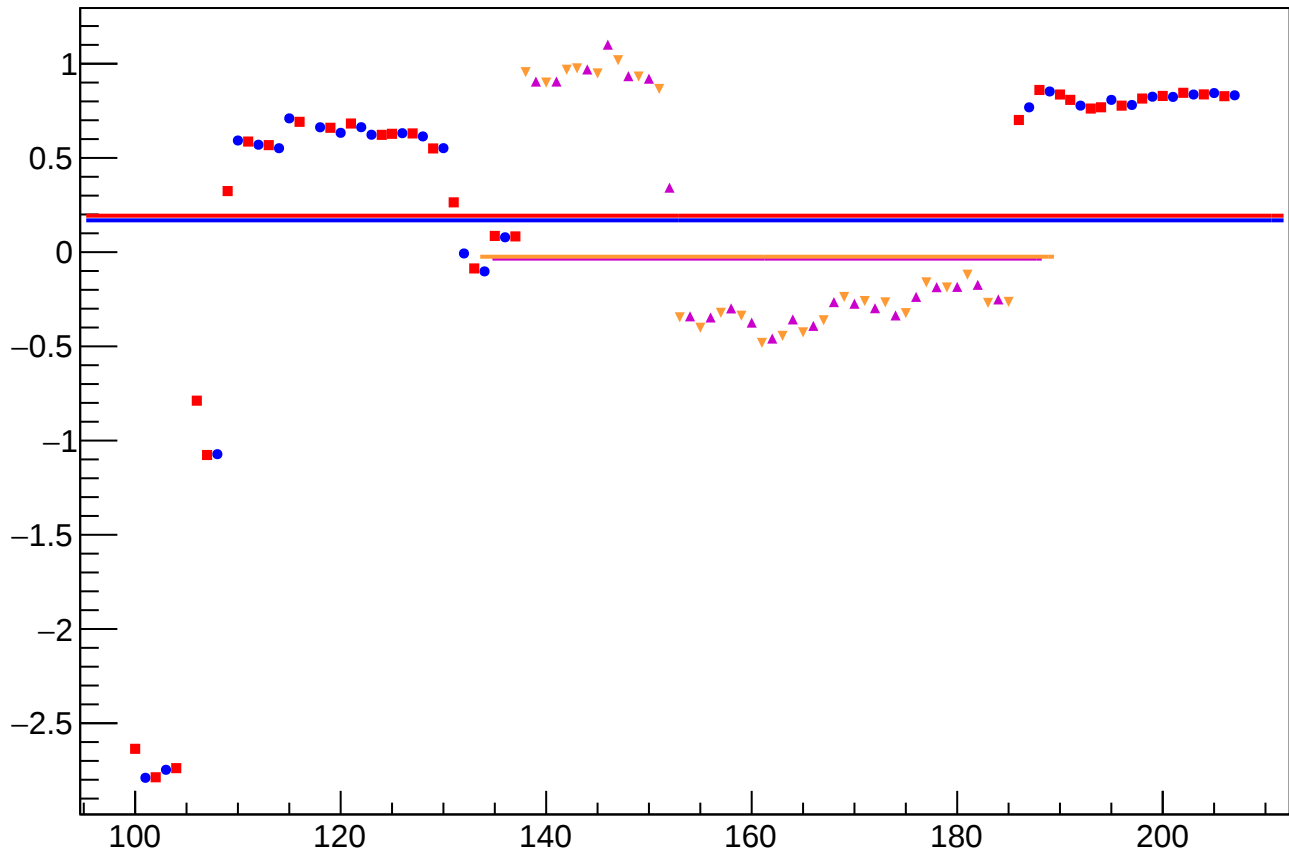
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 8350281.5/51

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 17030336.6/105

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 8668459.2/53

yield_bpm0l04Y_mean vs Slug



Right In: 0.169+/-0.000 χ^2/NDF : 865746651037.1/26

Left Out: -0.024+/-0.000 χ^2/NDF : 135451649275.0/24

Right Out: 0.193+/-0.000 χ^2/NDF : 928260843896.2/30

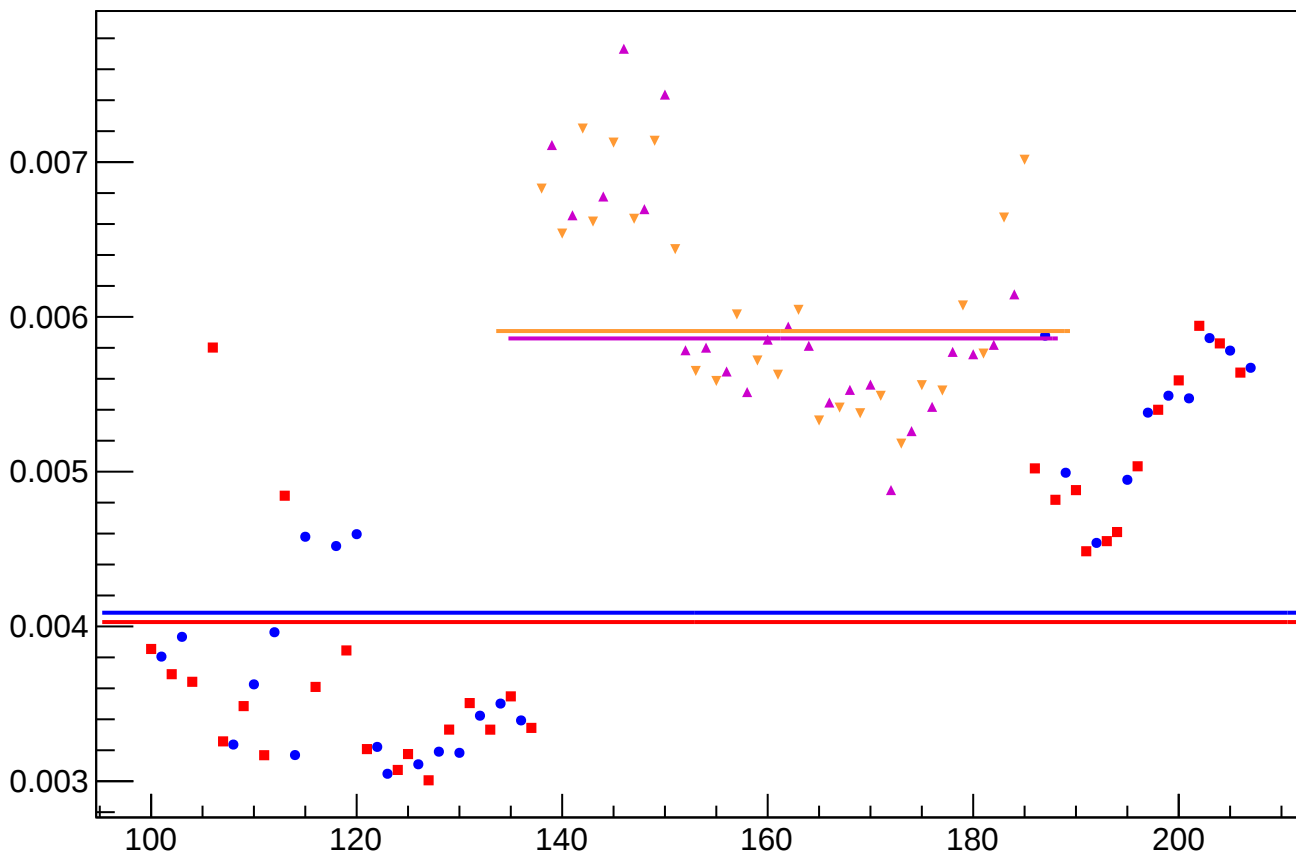
Left In: -0.034+/-0.000 χ^2/NDF : 113929060918.1/22

+ sign 0.094+/-0.000 χ^2/NDF : 1012174091045.7/51

All: 0.104+/-0.000 χ^2/NDF : 2070217526845.7/101

- sign 0.113+/-0.000 χ^2/NDF : 1057806428331.9/53

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1323494.8/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1379905.9/30

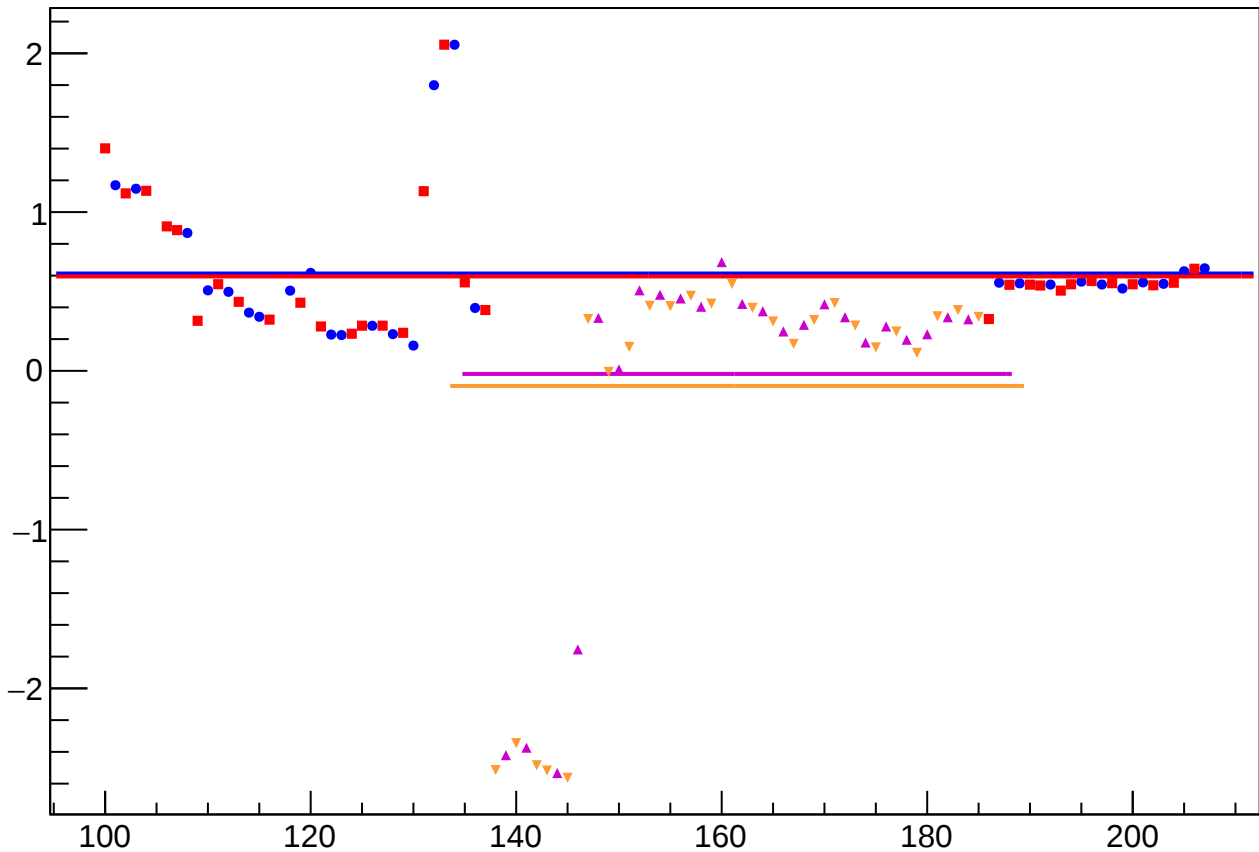
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3589553.5/51

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 7373981.6/105

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3765581.8/53

yield_bpm0l05X_mean vs Slug



Right In: 0.613 $\pm$ 0.000 χ^2 /NDF: 40541423806.1/26

Left Out: -0.095 $\pm$ 0.000 χ^2 /NDF: 505606573631.9/24

Right Out: 0.595 $\pm$ 0.000 χ^2 /NDF: 45999523469.7/30

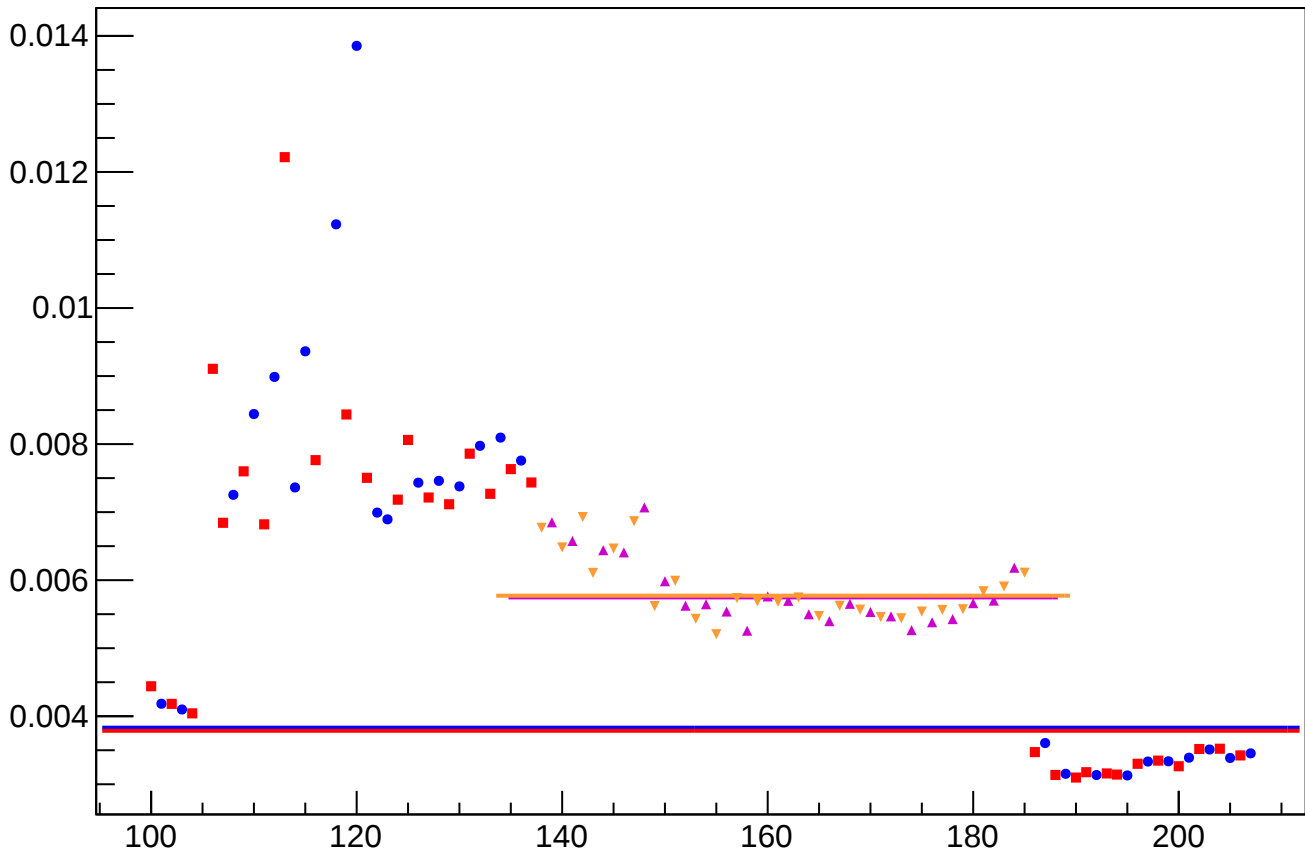
Left In: -0.019 $\pm$ 0.000 χ^2 /NDF: 417104863944.5/22

+ sign 0.329 $\pm$ 0.000 χ^2 /NDF: 700728399466.6/51

All: 0.352 $\pm$ 0.000 χ^2 /NDF: 1284120675732.

- sign 0.373 $\pm$ 0.000 χ^2 /NDF: 582069661716.4/53

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3112559.4/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3151286.3/30

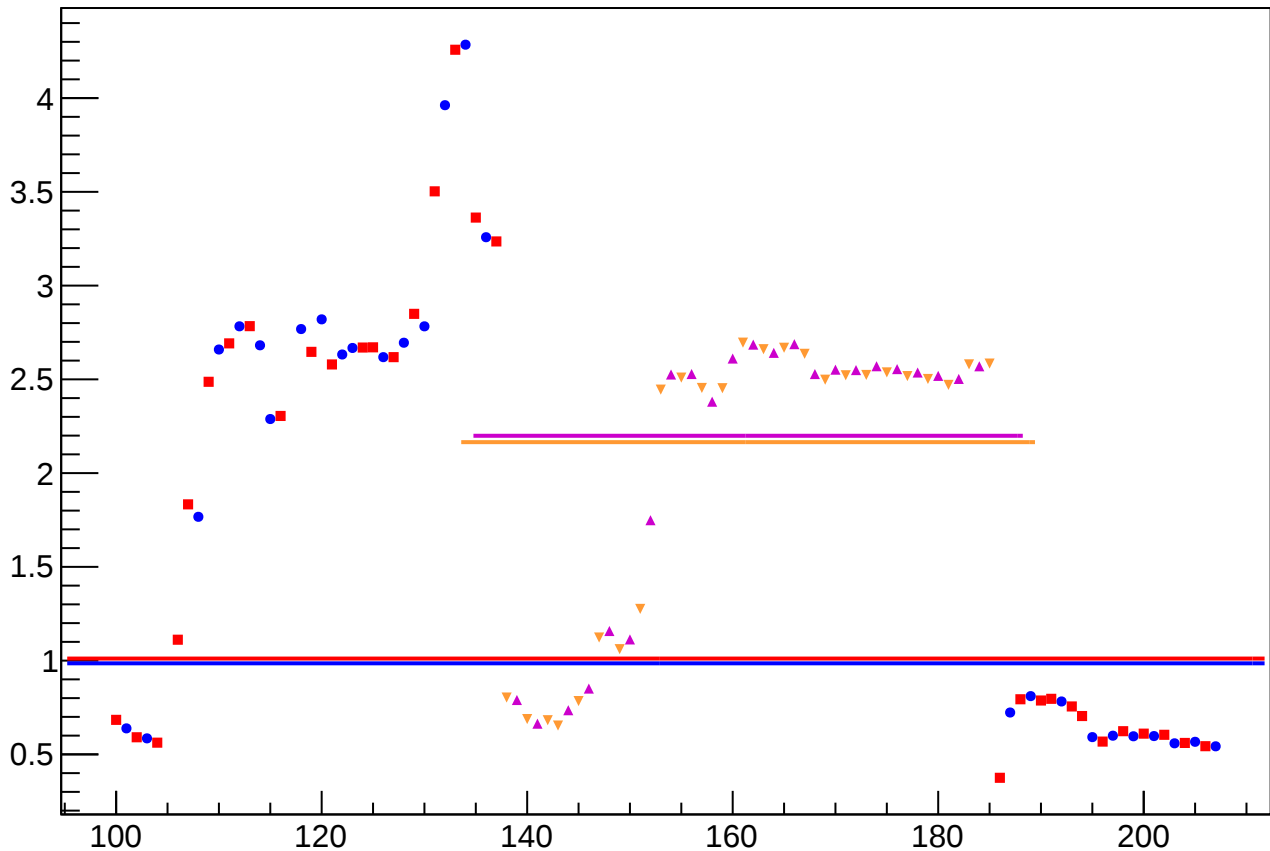
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5611273.1/51

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 11410673.7/105

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5780781.7/53

yield_bpm0l05Y_mean vs Slug



Right In: 0.986 $\pm$ 0.000 χ^2 /NDF: 293607538653.5/26

Left Out: 2.165 $\pm$ 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 1.011 $\pm$ 0.000 χ^2 /NDF: 340796673715.9/30

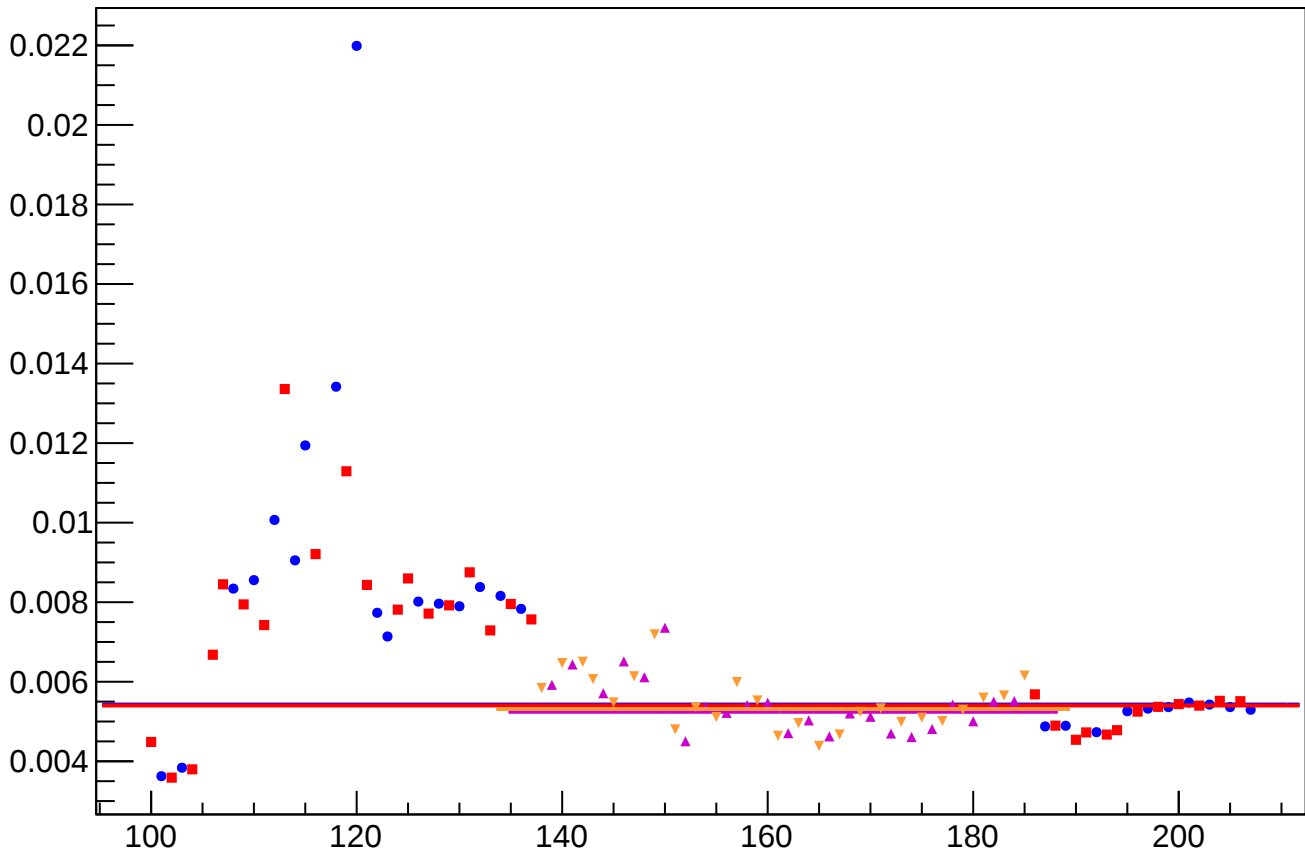
Left In: 2.199 $\pm$ 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 1.690 $\pm$ 0.000 χ^2 /NDF: 915807389228.2/51

All: 1.684 $\pm$ 0.000 χ^2 /NDF: 1863419720024.

- sign 1.679 $\pm$ 0.000 χ^2 /NDF: 947558337165.2/53

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2006159.7/26

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1877587.4/30

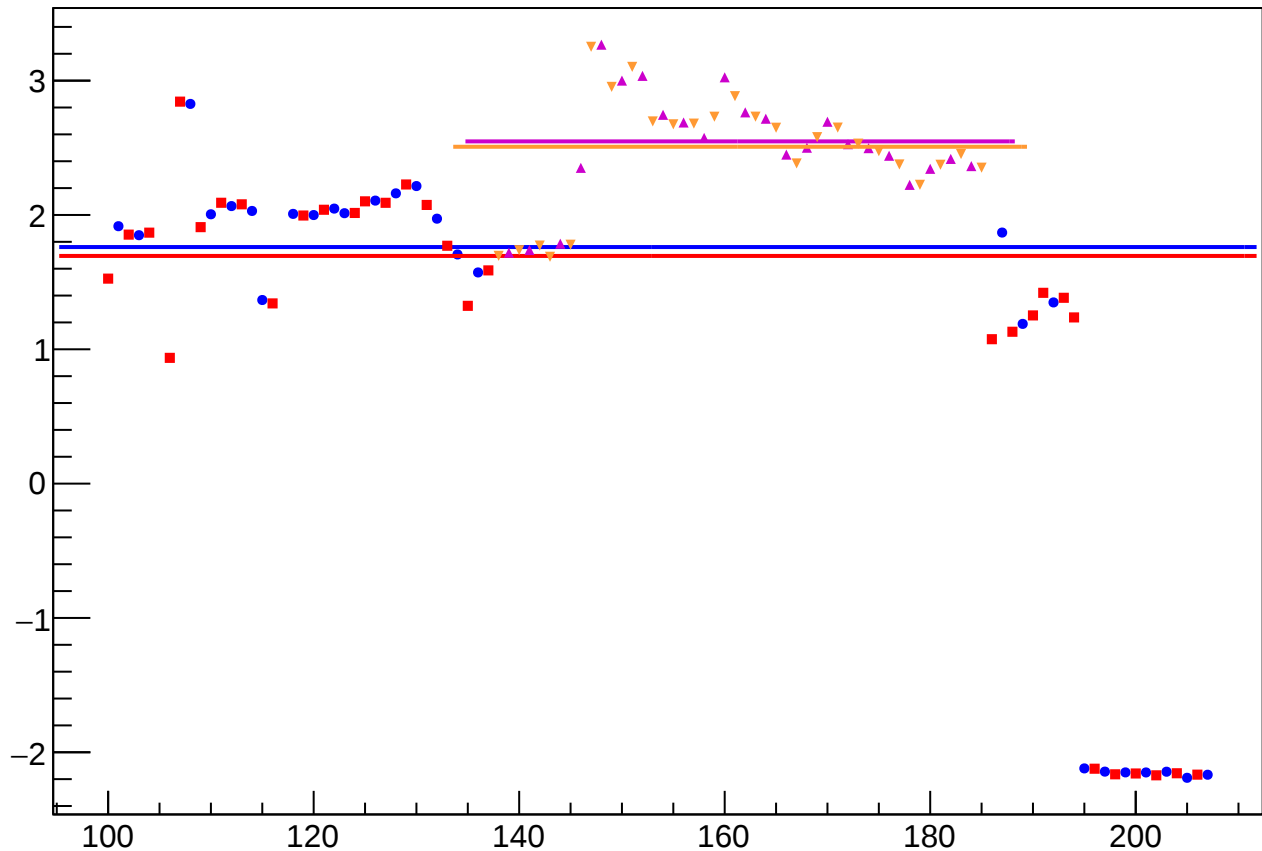
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2410805.9/51

All: 0.005+/-0.000 χ^2/NDF : 4728789.6/105

- sign 0.005+/-0.000 χ^2/NDF : 2315914.0/53

yield_bpm0l06X_mean vs Slug



Right In: 1.761 $\pm$ 0.000 χ^2 /NDF: 134254235566.4/26

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.695 $\pm$ 0.000 χ^2 /NDF: 124567020173.7/30

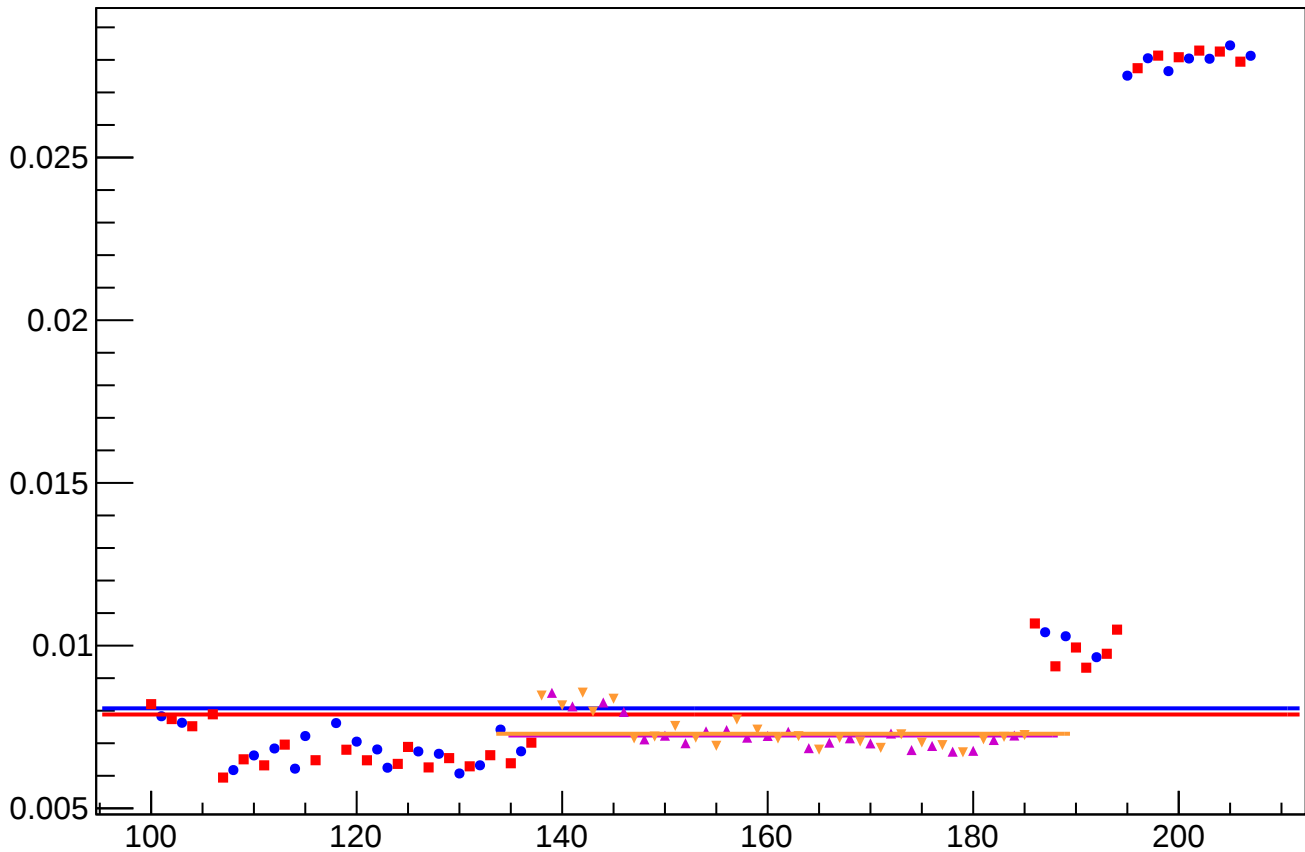
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.265 $\pm$ 0.000 χ^2 /NDF: 246254748316.7/51

All: 2.245 $\pm$ 0.000 χ^2 /NDF: 503229912745.9

- sign 2.227 $\pm$ 0.000 χ^2 /NDF: 256622844411.3/53

yield_bpm0l06X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 6310395.1/26

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 5539148.0/30

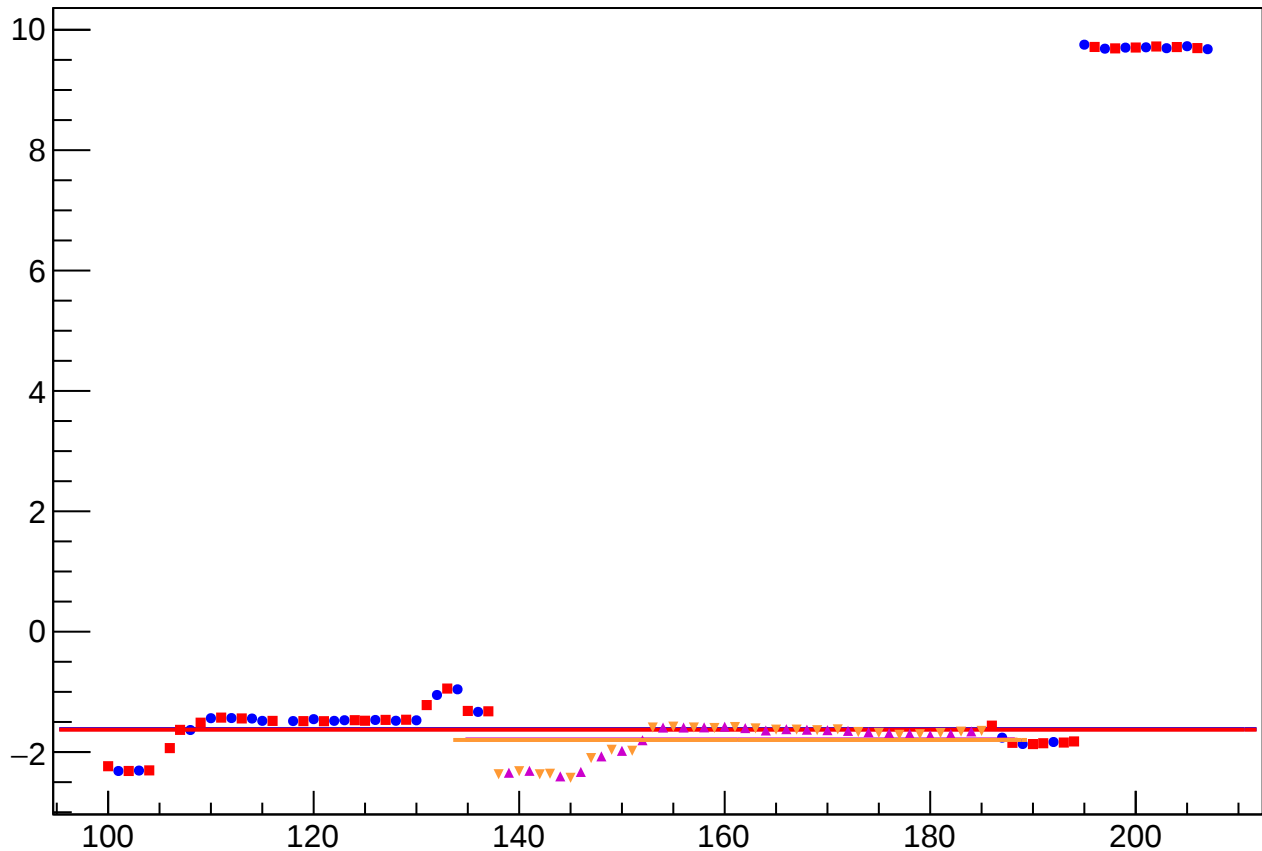
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6581727.2/51

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 12347580.0/105

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5763747.1/53

yield_bpm0l06Y_mean vs Slug



Right In: -1.619+/-0.000 χ^2/NDF : 339019019581.7/26

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.628+/-0.000 χ^2/NDF : 315395462203.2/30

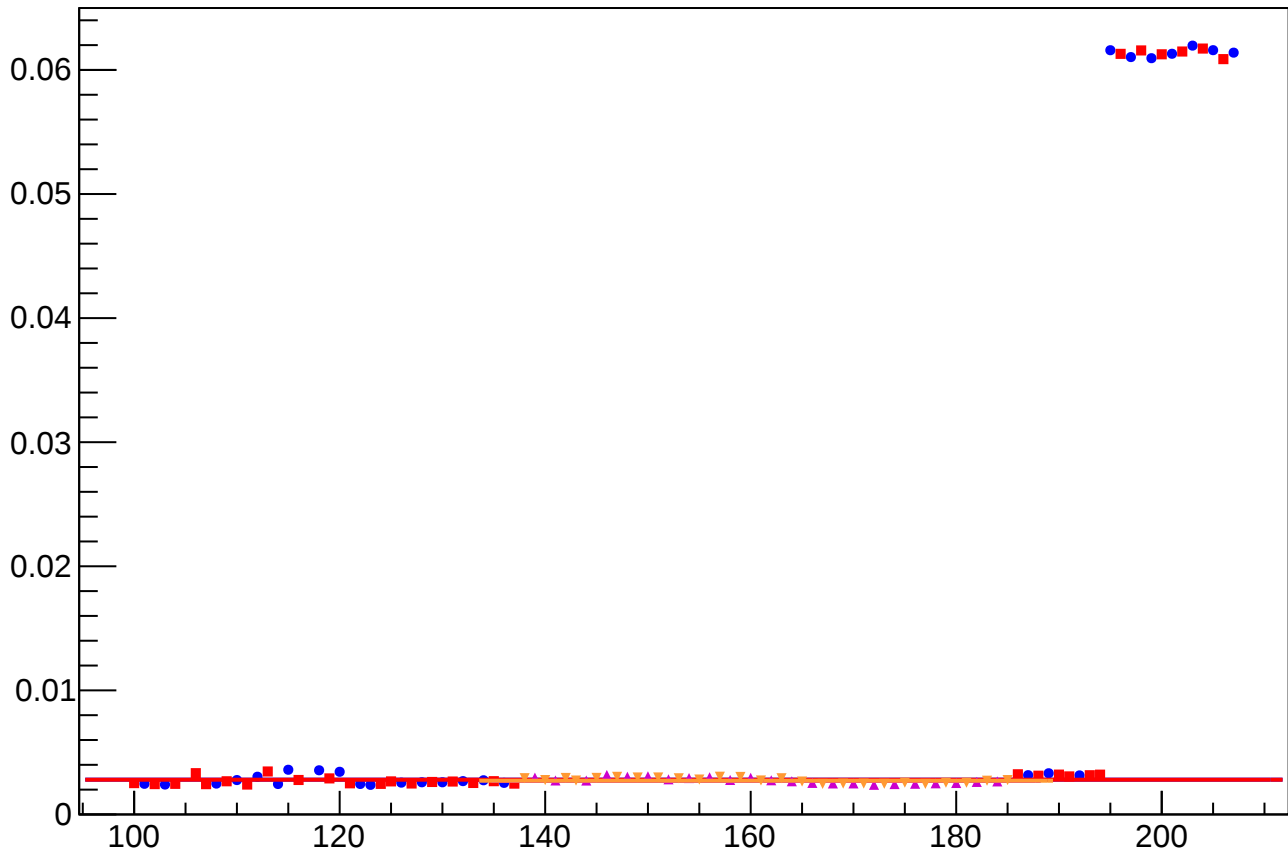
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.744+/-0.000 χ^2/NDF : 547952064953.7/51

All: -1.737+/-0.000 χ^2/NDF : 1044809969442

- sign -1.732+/-0.000 χ^2/NDF : 496600163763.0/53

yield_bpm0l06Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 10505638.6/26

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:199695.2/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 8614346.6/30

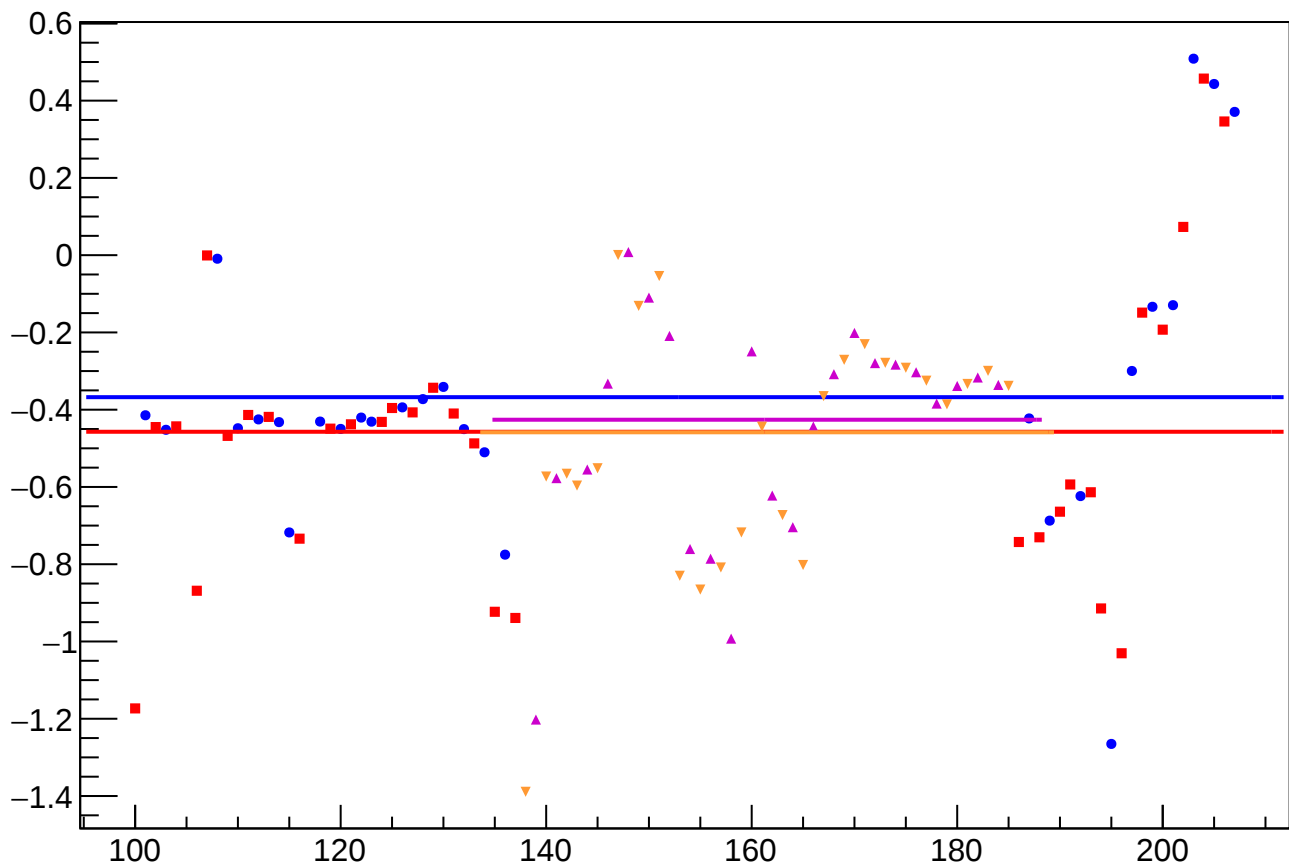
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:220327.9/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10715970.9/51

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 19566845.5/105

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 8850661.6/53

yield_bpm0l07X_mean vs Slug



Right In: -0.368 ± 0.000 χ^2/NDF : 9262518611.0/26

Left Out: -0.459 ± 0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.457 ± 0.000 χ^2/NDF : 8773684520.8/30

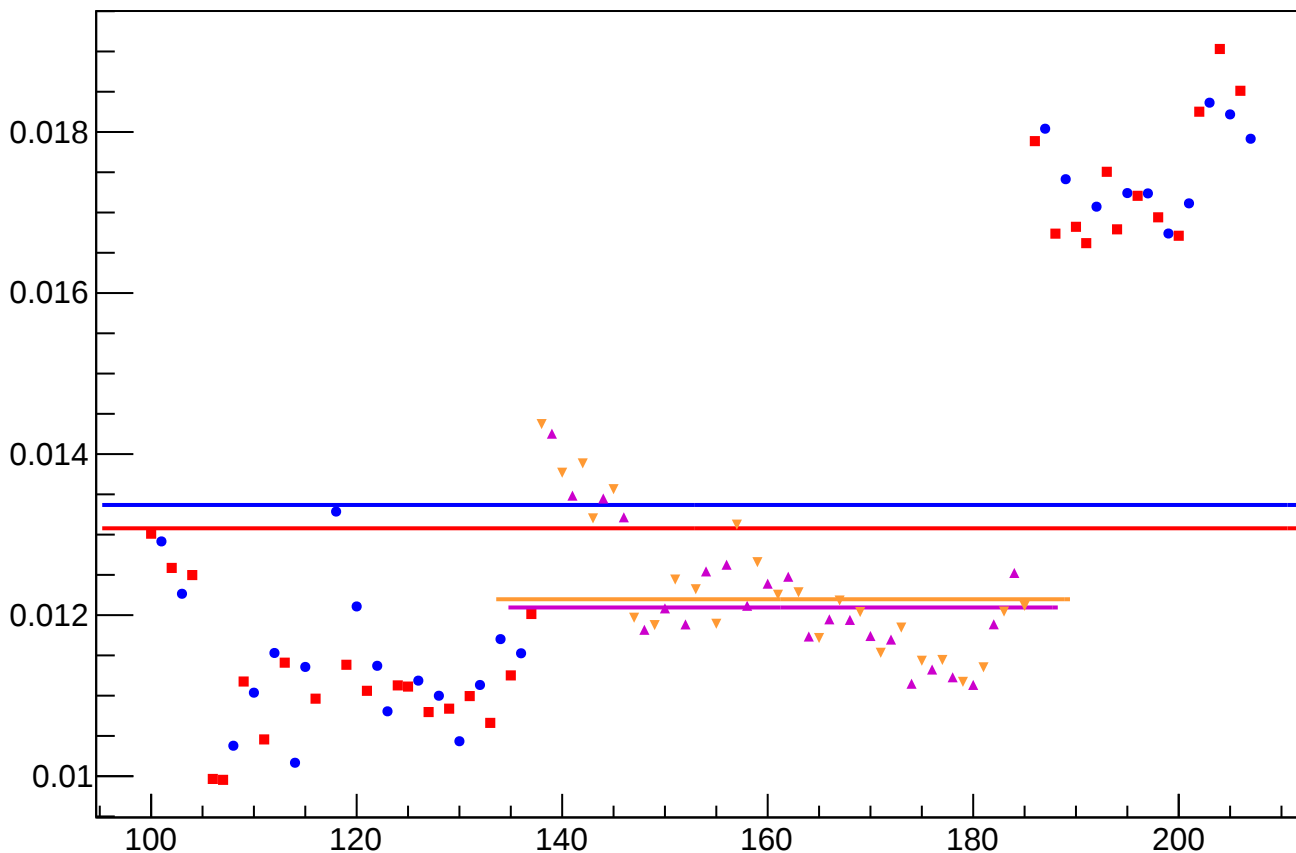
Left In: -0.426 ± 0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.424 ± 0.000 χ^2/NDF : 19549236160.3/51

All: -0.432 ± 0.000 χ^2/NDF : 36815092241.7

- sign -0.439 ± 0.000 χ^2/NDF : 17244114901.2/53

yield_bpm0l07X_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 1200026.2/26

Left Out: 0.012 ± 0.000 χ^2/NDF : 141850.9/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 1474444.5/30

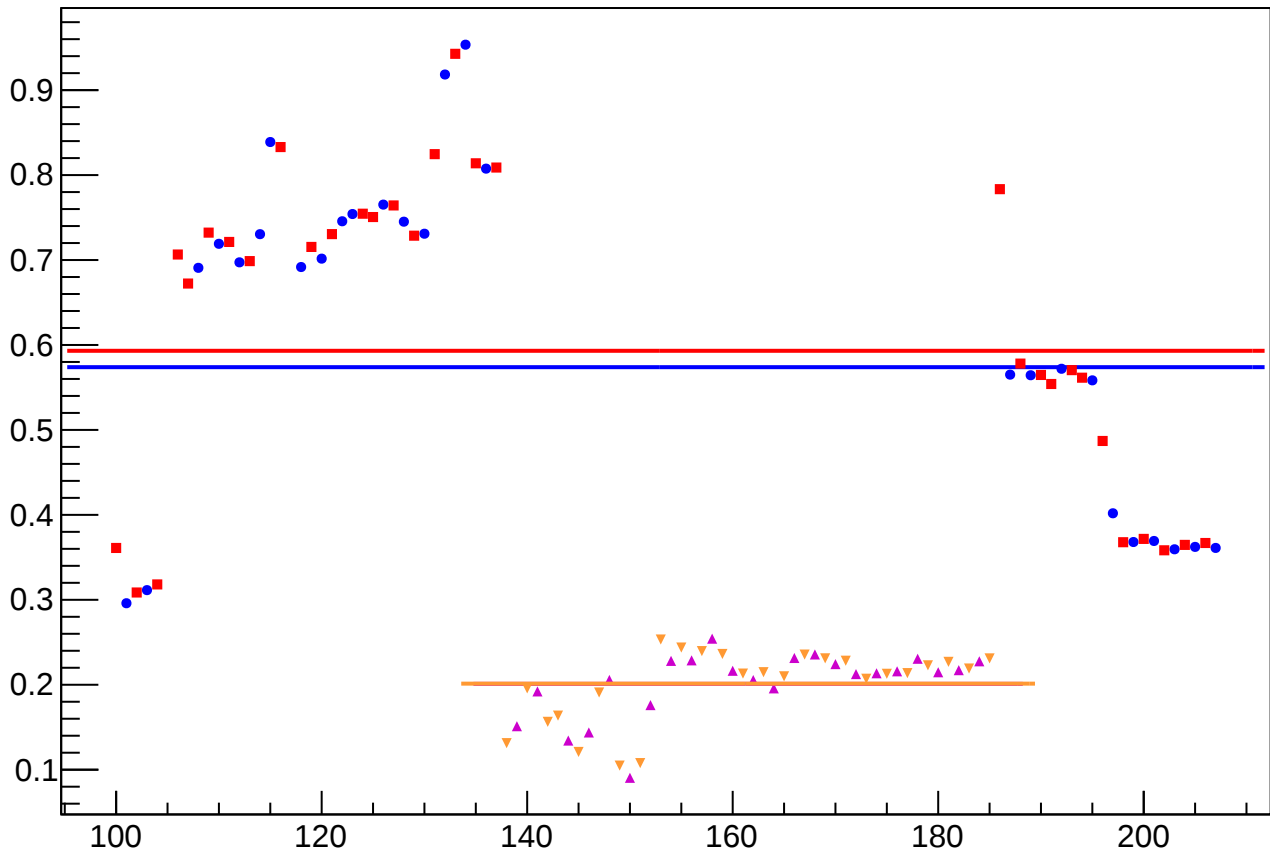
Left In: 0.012 ± 0.000 χ^2/NDF : 127308.3/22

+ sign 0.013 ± 0.000 χ^2/NDF : 1464624.1/51

All: 0.013 ± 0.000 χ^2/NDF : 3161891.5/105

- sign 0.013 ± 0.000 χ^2/NDF : 1693847.4/53

yield_bpm0l07Y_mean vs Slug



Right In: 0.574 $\pm$ 0.000 χ^2 /NDF: 70559179746.4/26

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.593 $\pm$ 0.000 χ^2 /NDF: 67616445298.7/30

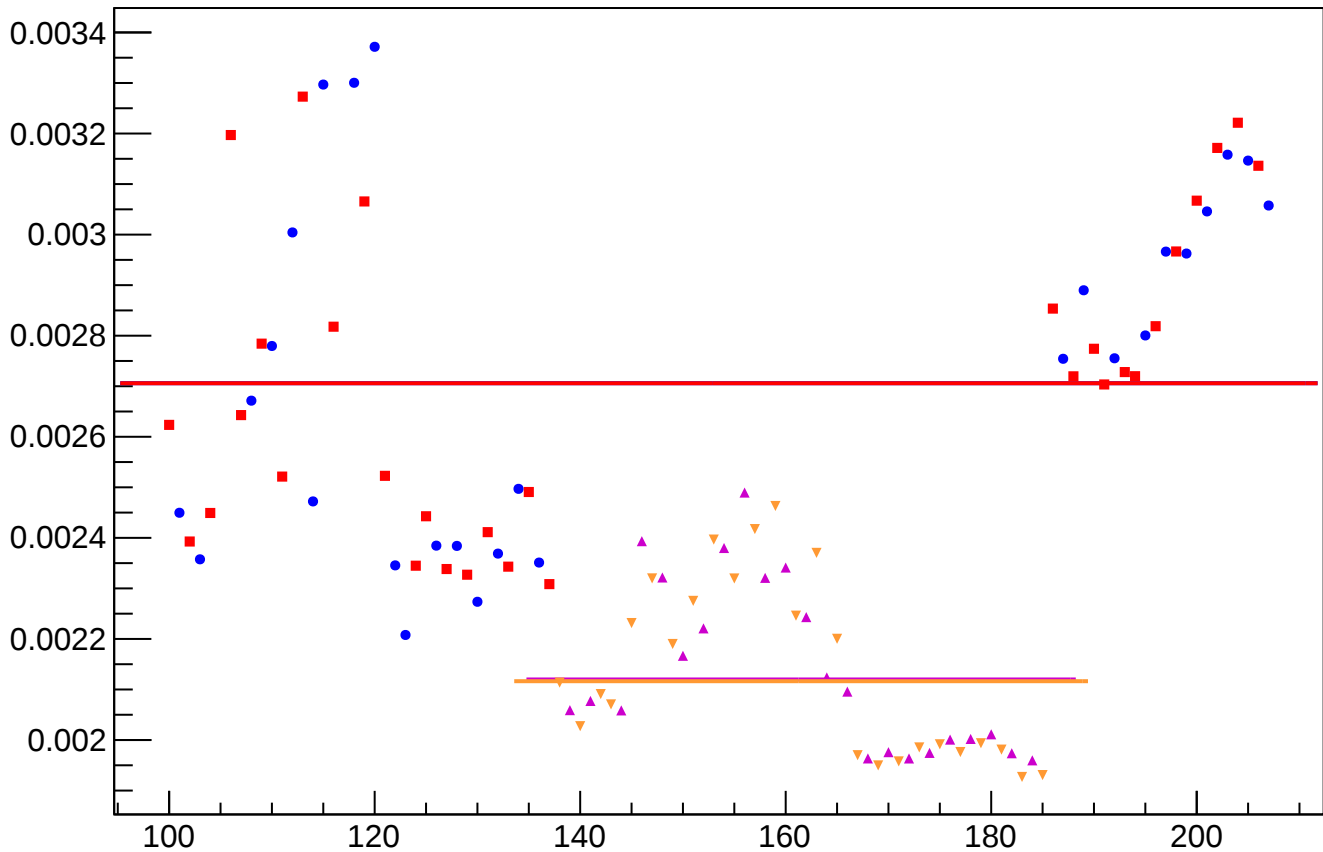
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.316 $\pm$ 0.000 χ^2 /NDF: 251166462177.5/51

All: 0.325 $\pm$ 0.000 χ^2 /NDF: 525073442831.1

- sign 0.335 $\pm$ 0.000 χ^2 /NDF: 272932261416.6/53

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 388104.6/26

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:224498.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 323516.7/30

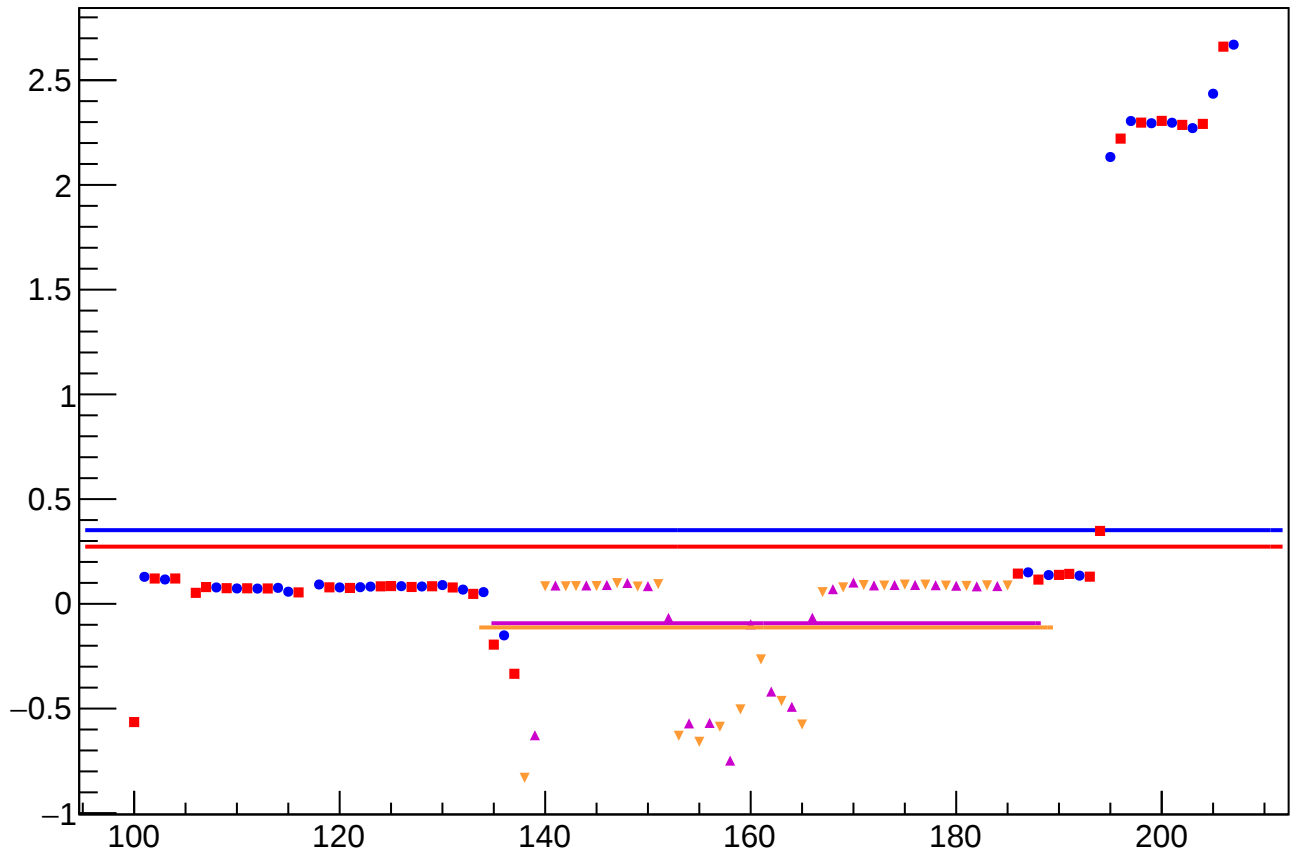
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:189228.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1481842.3/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 2889331.5/105

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1404910.1/53

yield_bpm0l08X_mean vs Slug



Right In: 0.352+/-0.000 χ^2/NDF : 49323988955.0/26

Left Out: -0.113+/-0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.273+/-0.000 χ^2/NDF : 44204470779.7/30

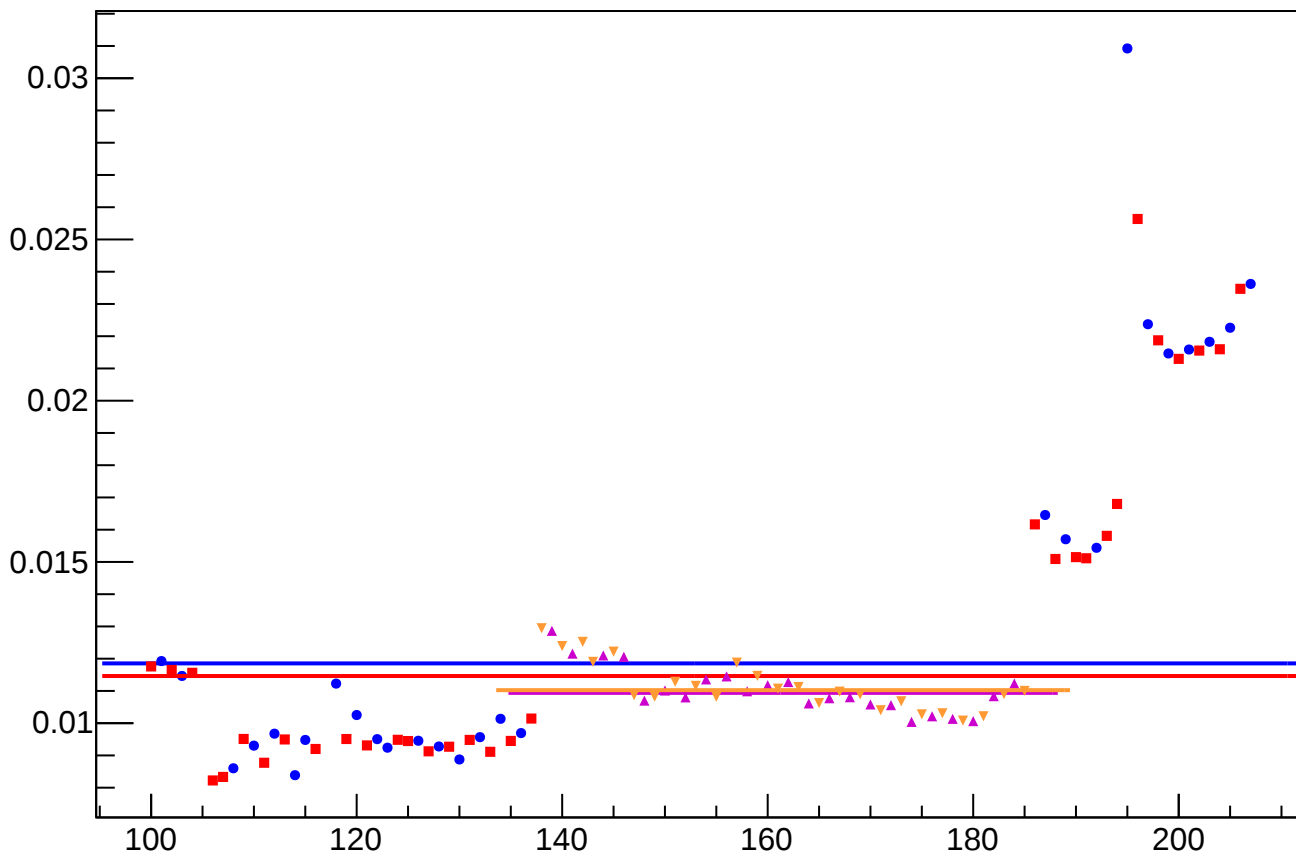
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign 0.058+/-0.000 χ^2/NDF : 74459215356.1/51

All: 0.059+/-0.000 χ^2/NDF : 137469965694.9

- sign 0.060+/-0.000 χ^2/NDF : 63010048571.1/53

yield_bpm0l08X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 3581544.3/26

Left Out: 0.011+/-0.000 χ^2/NDF :141501.7/24

Right Out: 0.011+/-0.000 χ^2/NDF : 3450502.6/30

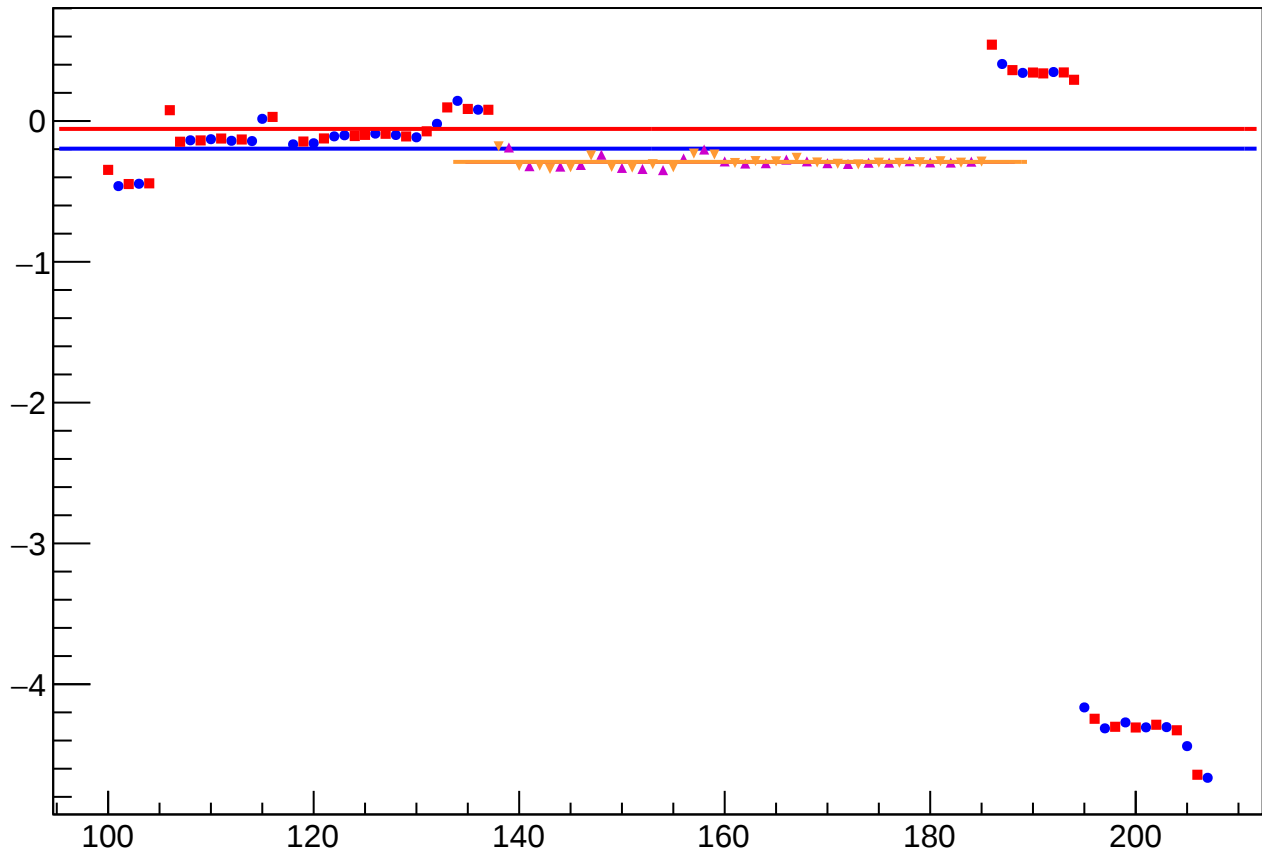
Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 3796321.5/51

All: 0.011+/-0.000 χ^2/NDF : 7414051.6/105

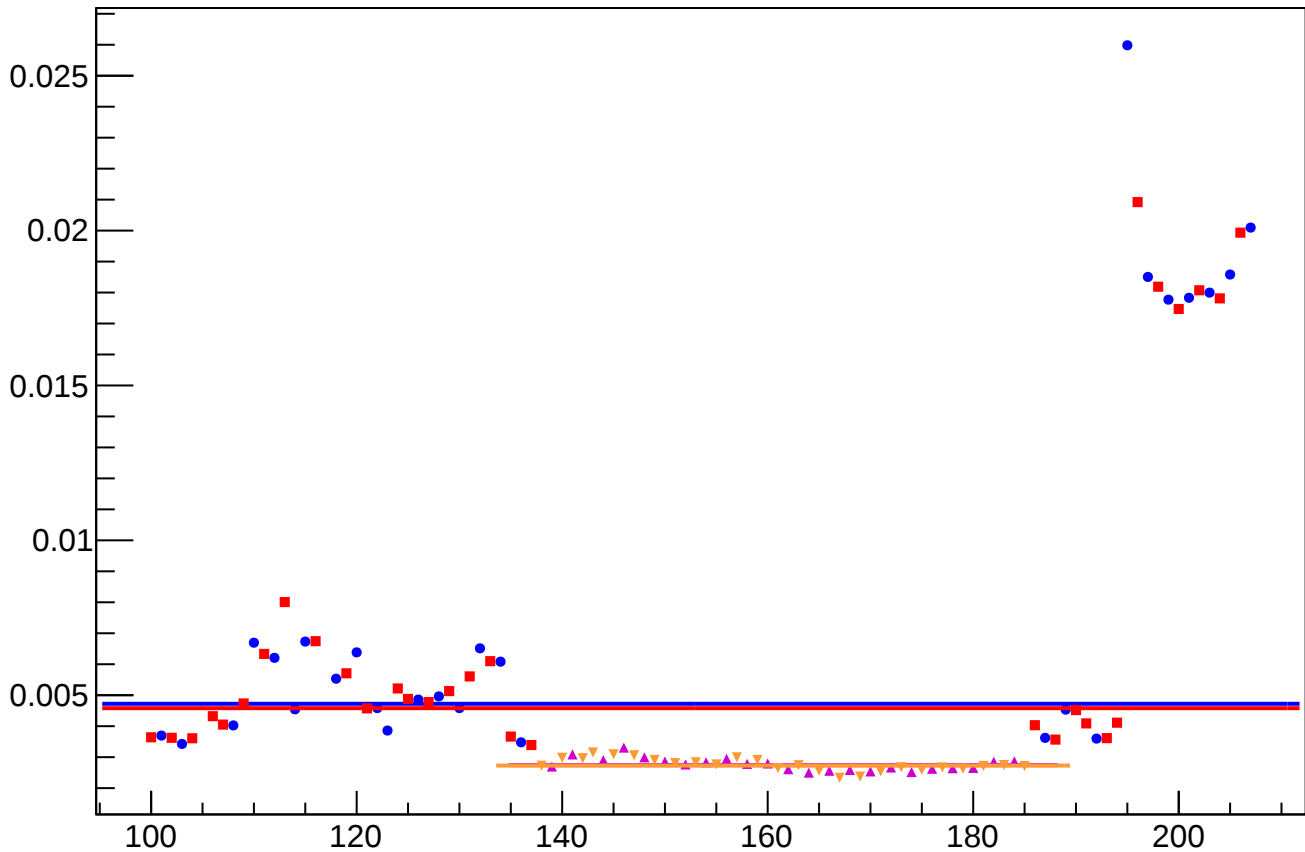
- sign 0.011+/-0.000 χ^2/NDF : 3610984.8/53

yield_bpm0l08Y_mean vs Slug



Right In: -0.196 ± 0.000	$\chi^2/\text{NDF: } 307729985080.8/26$	+ sign -0.276 ± 0.000	$\chi^2/\text{NDF: } 313792649734.1/51$
Left Out: -0.290 ± 0.000	$\chi^2/\text{NDF: } 2877519093.0/24$	All: -0.261 ± 0.000	$\chi^2/\text{NDF: } 635029392657.6$
Right Out: -0.056 ± 0.000	$\chi^2/\text{NDF: } 293243949339.9/30$	- sign -0.245 ± 0.000	$\chi^2/\text{NDF: } 319955733393.7/53$
Left In: -0.291 ± 0.000	$\chi^2/\text{NDF: } 3125402243.3/22$		

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 ± 0.000 χ^2/NDF : 7316761.7/26

Left Out: 0.003 ± 0.000 χ^2/NDF : 206527.1/24

Right Out: 0.005 ± 0.000 χ^2/NDF : 6106123.6/30

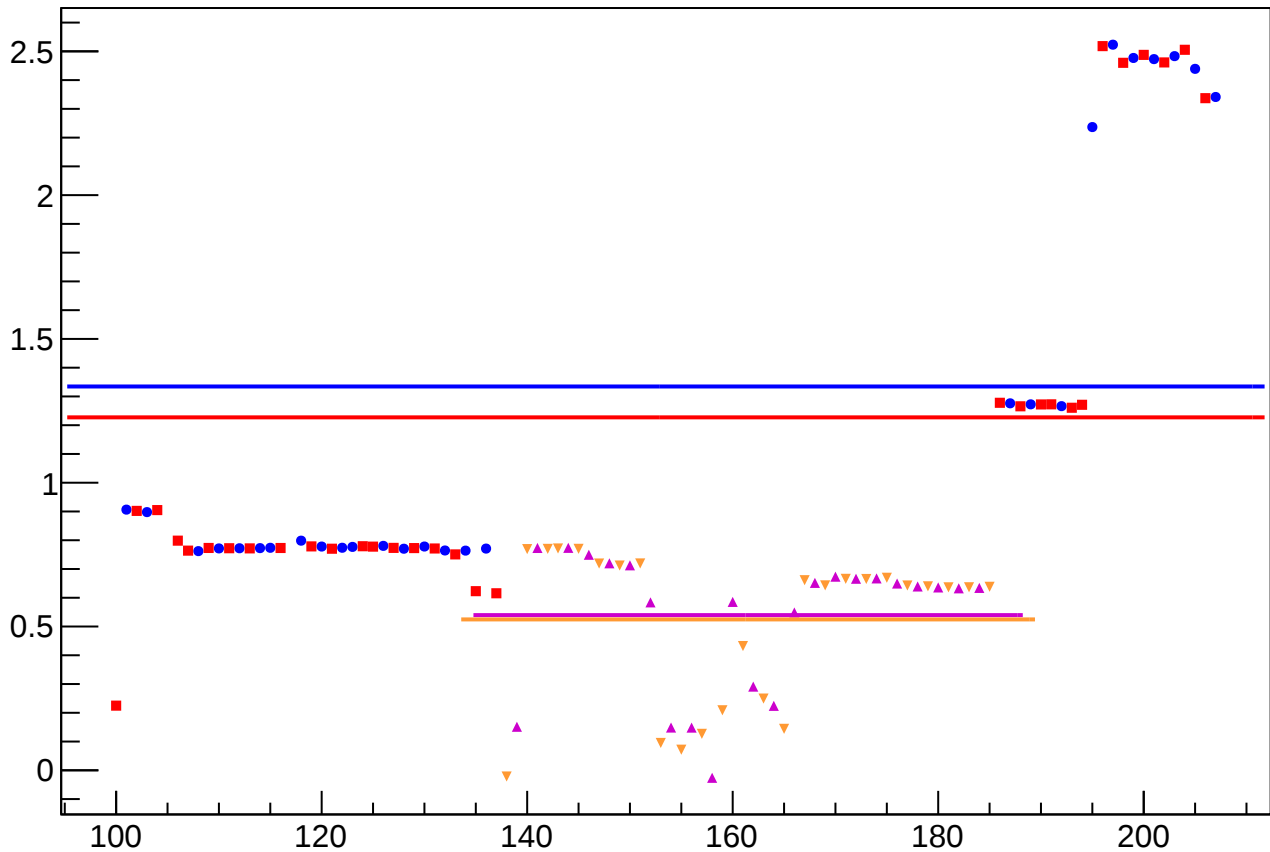
Left In: 0.003 ± 0.000 χ^2/NDF : 147778.8/22

+ sign 0.003 ± 0.000 χ^2/NDF : 10395983.2/51

All: 0.003 ± 0.000 χ^2/NDF : 19551017.1/105

- sign 0.003 ± 0.000 χ^2/NDF : 9143115.3/53

yield_bpm0l09X_mean vs Slug



Right In: 1.335 $\pm$ 0.000 χ^2 /NDF: 49081569922.7/26

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF:9623503169.9/24

Right Out: 1.227 $\pm$ 0.000 χ^2 /NDF: 47683675613.4/30

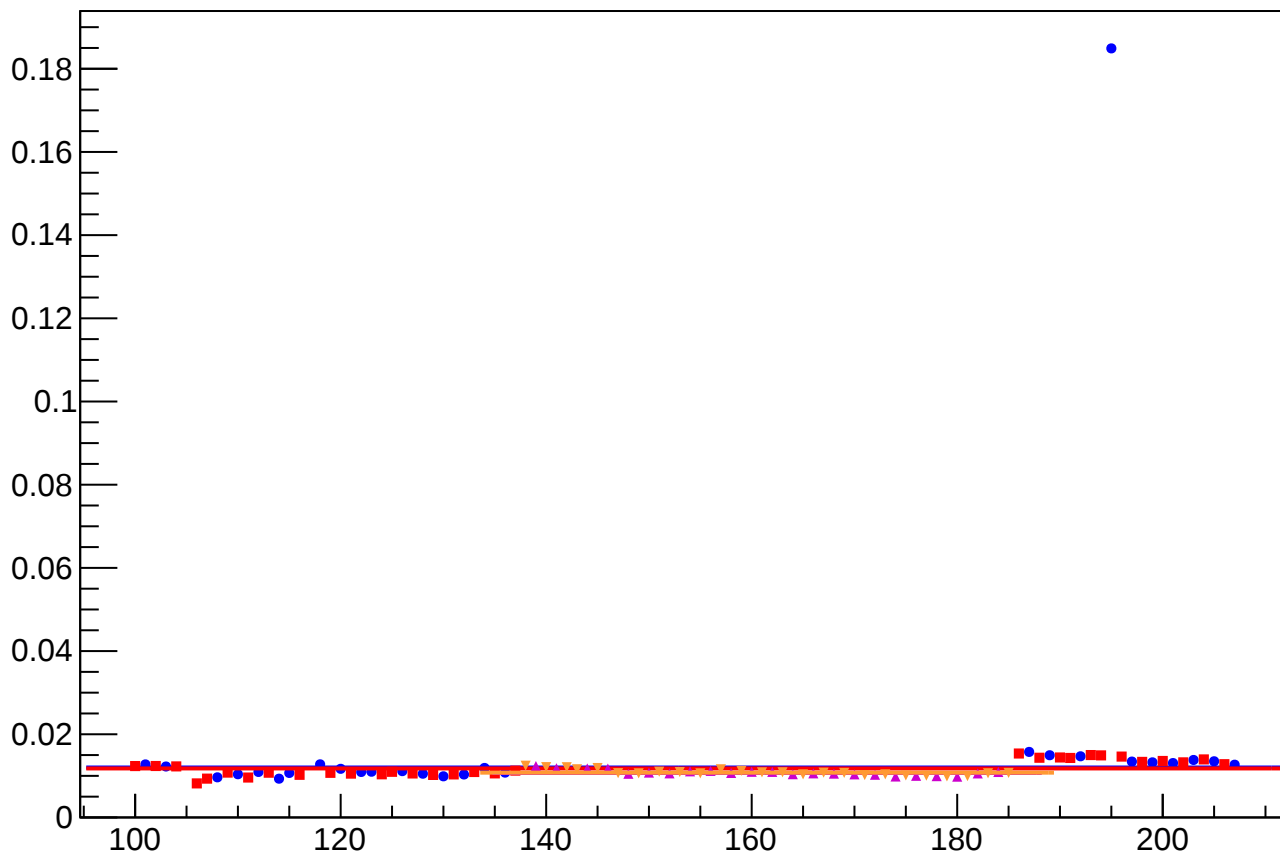
Left In: 0.540 $\pm$ 0.000 χ^2 /NDF:7860539135.5/22

+ sign 0.819 $\pm$ 0.000 χ^2 /NDF: 95027141462.3/51

All: 0.819 $\pm$ 0.000 χ^2 /NDF: 178624740065.1

- sign 0.819 $\pm$ 0.000 χ^2 /NDF: 83597575869.0/53

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1890088.9/26

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 720714.7/30

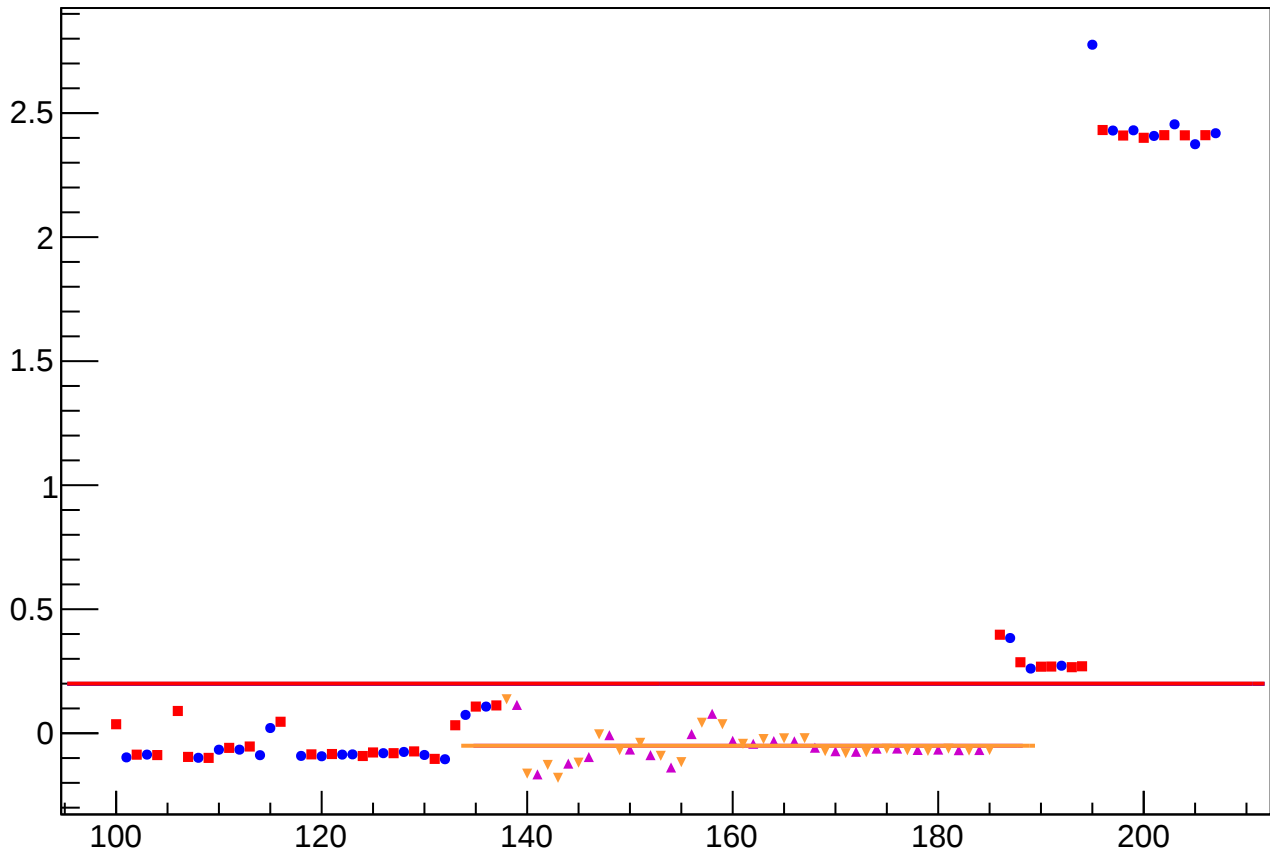
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2192002.3/51

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3174362.7/105

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 980594.4/53

yield_bpm0l09Y_mean vs Slug



Right In: 0.199 $\pm$ 0.000 χ^2 /NDF: 159760138394.9/26

Left Out: -0.050 $\pm$ 0.000 χ^2 /NDF: 7271496478.6/24

Right Out: 0.200 $\pm$ 0.000 χ^2 /NDF: 137461815590.4/30

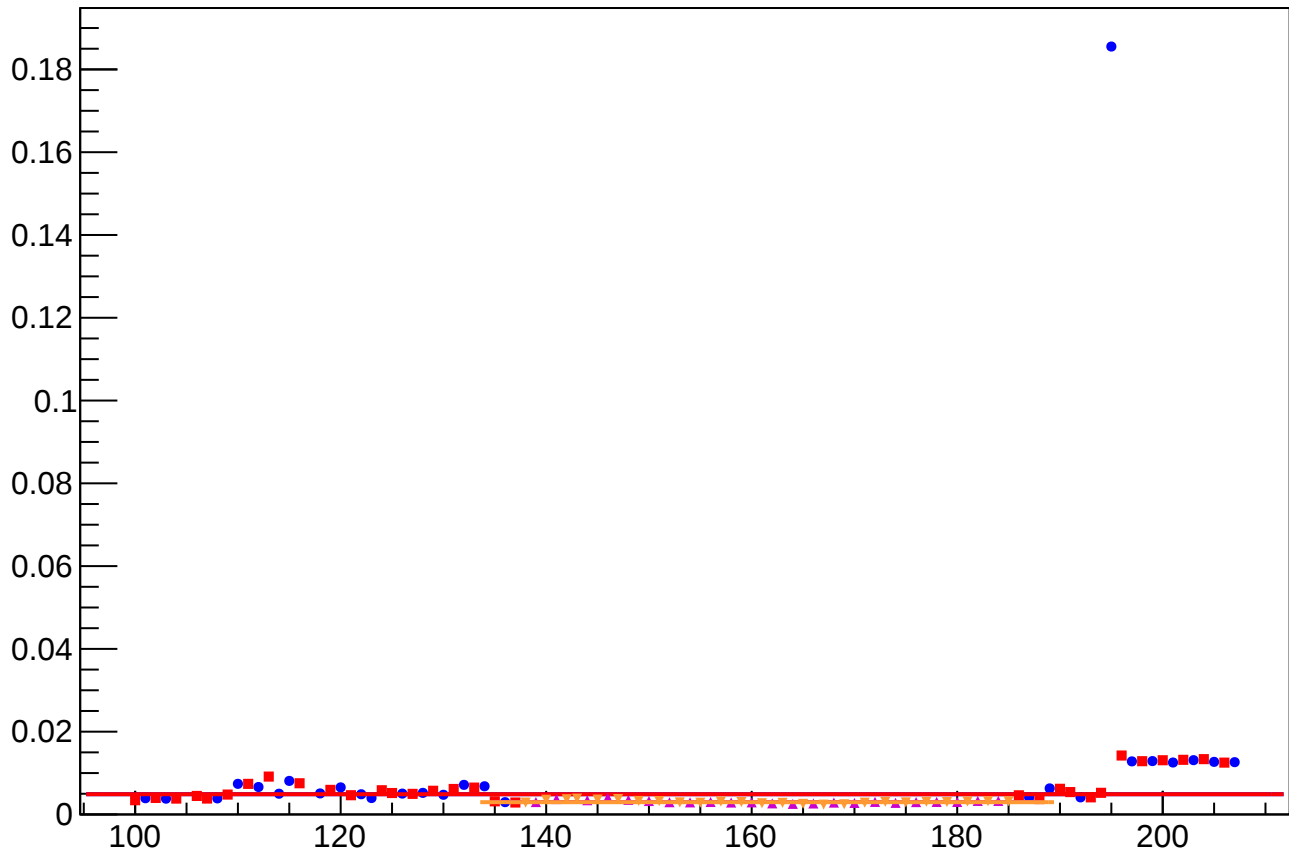
Left In: -0.051 $\pm$ 0.000 χ^2 /NDF: 6128769990.8/22

+ sign -0.007 $\pm$ 0.000 χ^2 /NDF: 187775914318.1/51

All: -0.003 $\pm$ 0.000 χ^2 /NDF: 354617669656.2

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 166753450818.8/53

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 6408606.4/26

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 4559312.5/30

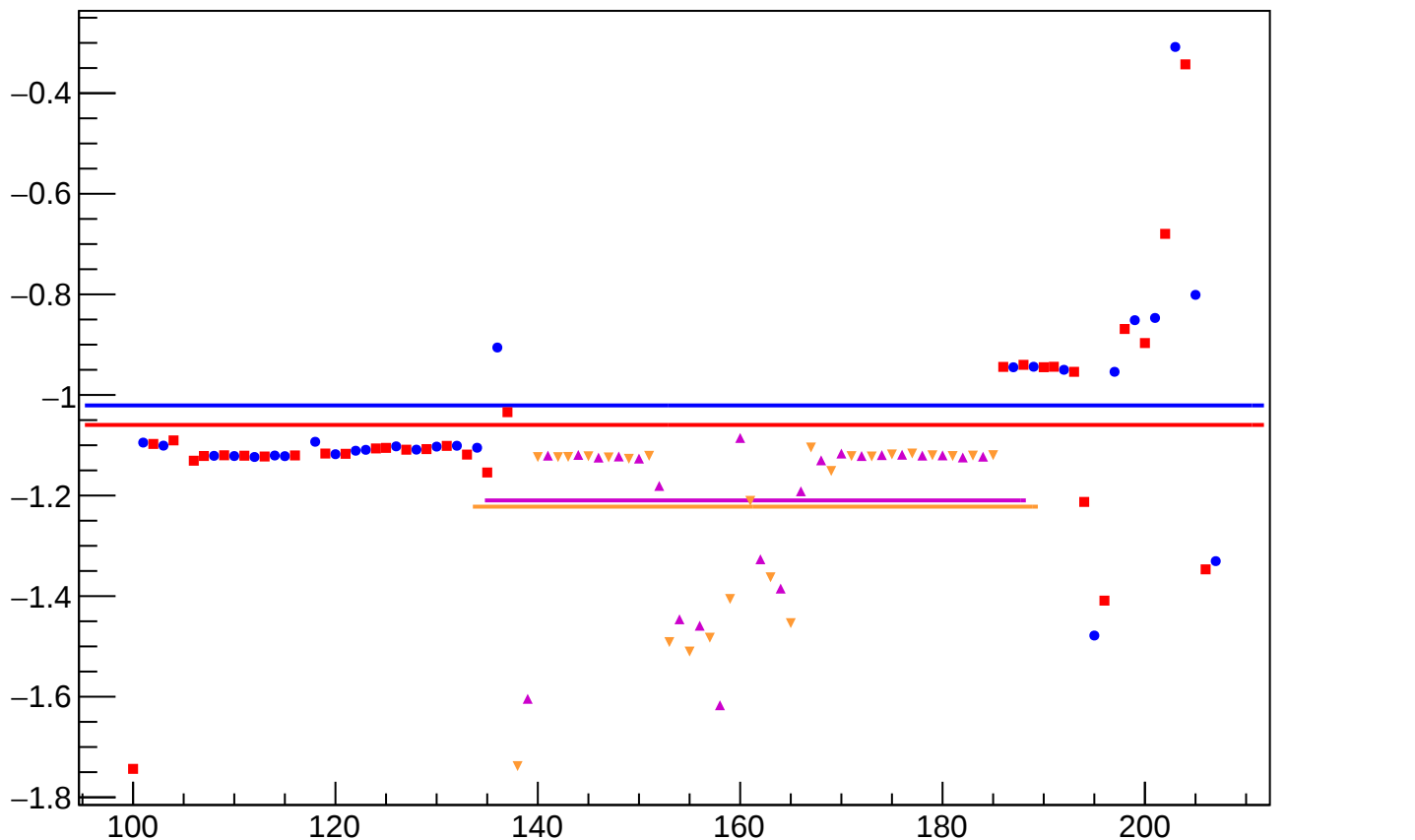
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 9380367.7/51

All: 0.003+/-0.000 χ^2/NDF : 16900929.8/105

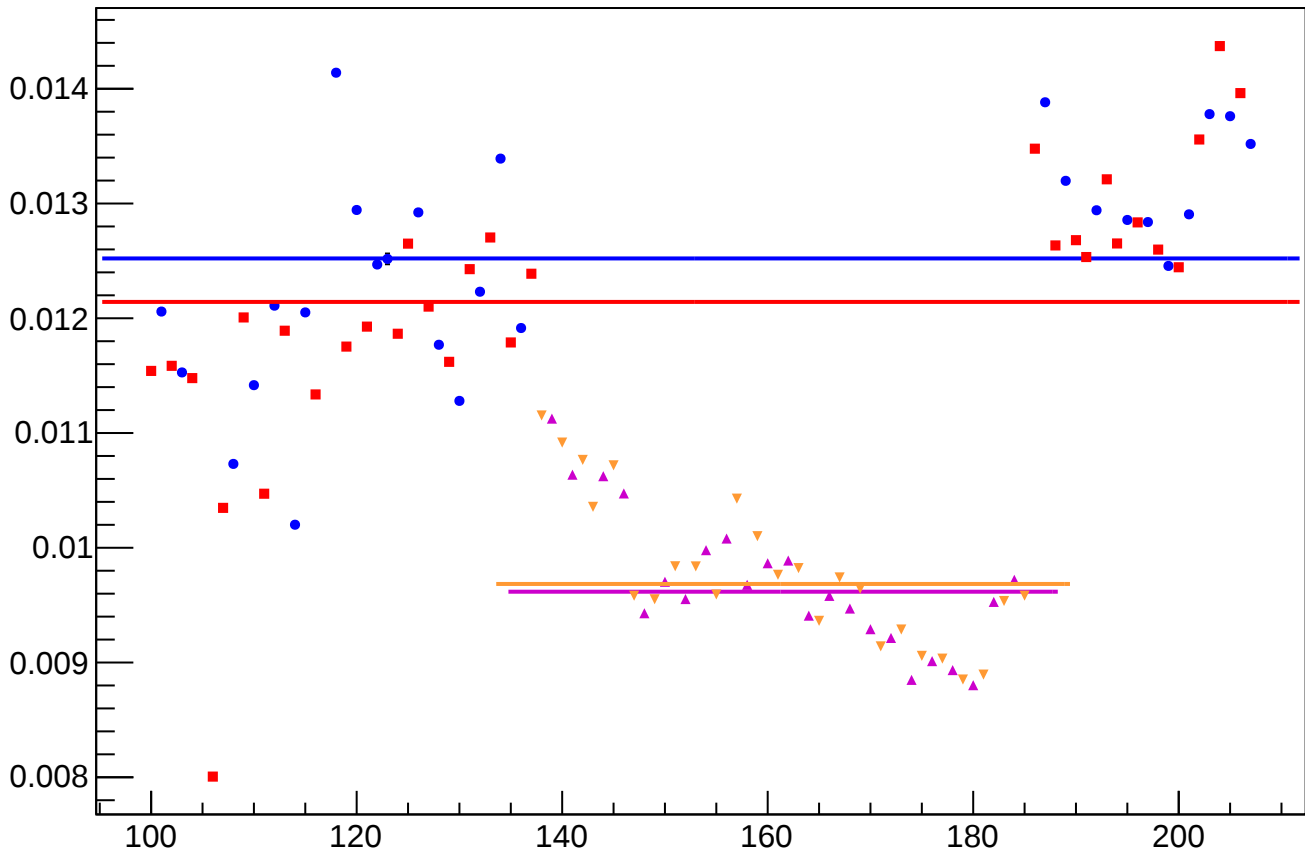
- sign 0.003+/-0.000 χ^2/NDF : 7498251.9/53

yield_bpm0l10X_mean vs Slug



Right In: -1.021+/-0.000	χ^2/NDF : 4468953690.7/26	+ sign -1.160+/-0.000	χ^2/NDF : 12132555258.7/51
Left Out: -1.222+/-0.000	χ^2/NDF : 5279548861.3/24	All: -1.158+/-0.000	χ^2/NDF : 22170878844.1/100
Right Out: -1.060+/-0.000	χ^2/NDF : 4094157306.8/30	- sign -1.157+/-0.000	χ^2/NDF : 10037168584.9/53
Left In: -1.210+/-0.000	χ^2/NDF : 4502367902.8/22		

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 129282.1/26

Left Out: 0.010+/-0.000 χ^2/NDF :134863.6/24

Right Out: 0.012+/-0.000 χ^2/NDF : 319826.7/30

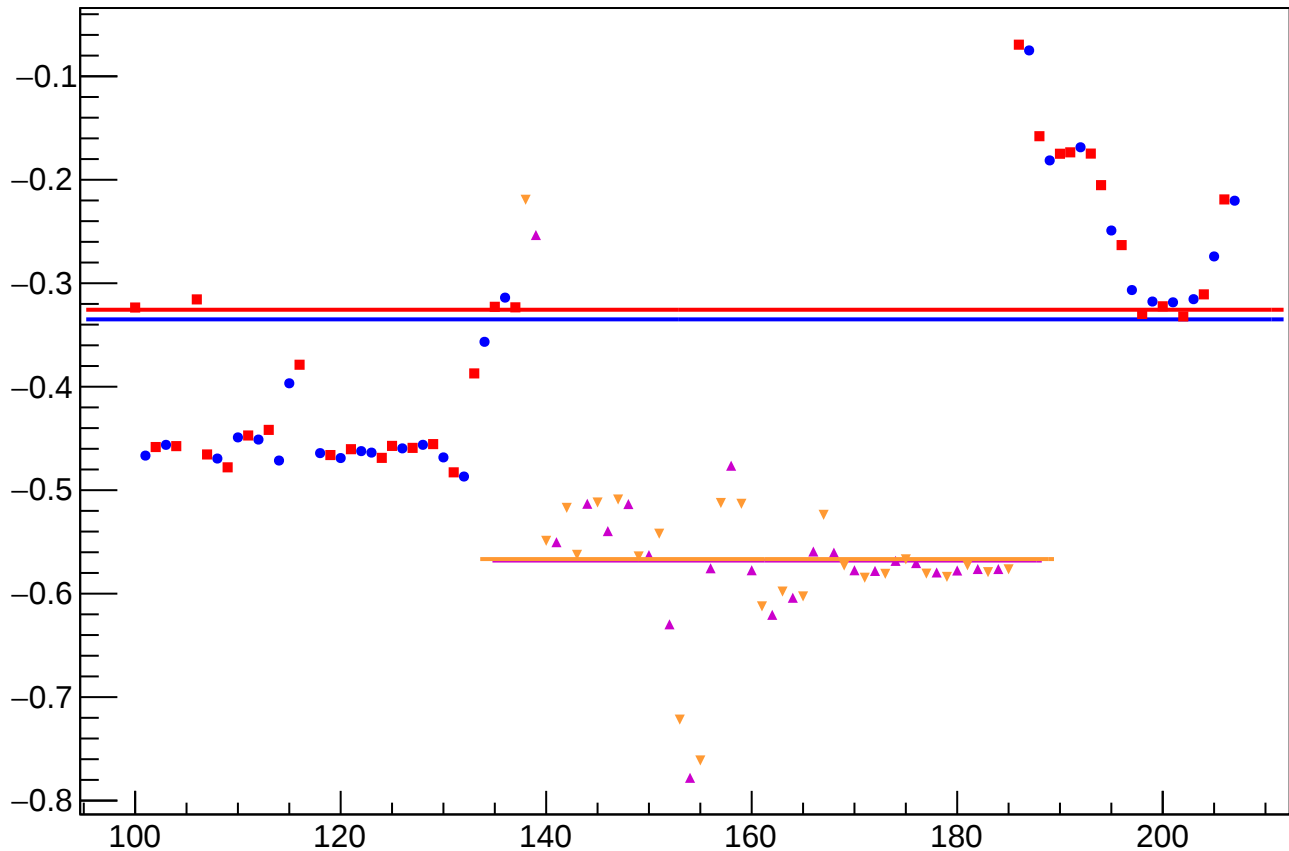
Left In: 0.010+/-0.000 χ^2/NDF :119823.1/22

+ sign 0.011+/-0.000 χ^2/NDF : 1211107.5/51

All: 0.011+/-0.000 χ^2/NDF : 2467875.6/105

- sign 0.011+/-0.000 χ^2/NDF : 1255860.0/53

yield_bpm0l10Y_mean vs Slug



Right In: -0.335 ± 0.000 $\chi^2/\text{NDF}: 9075585810.3/26$

Left Out: -0.567 ± 0.000 $\chi^2/\text{NDF}: 13368458519.3/24$

Right Out: -0.326 ± 0.000 $\chi^2/\text{NDF}: 11258824622.0/30$

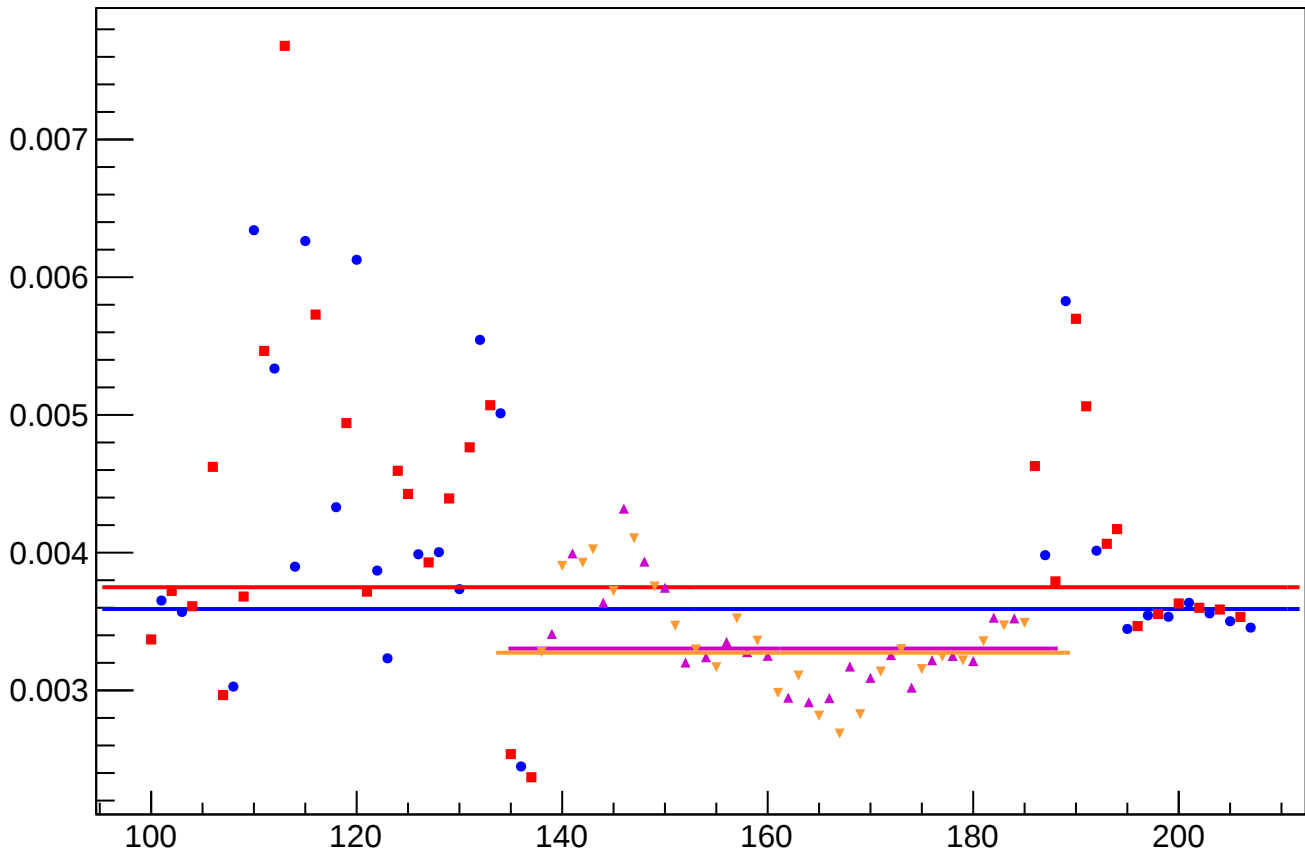
Left In: -0.568 ± 0.000 $\chi^2/\text{NDF}: 10458990019.9/22$

+ sign -0.480 ± 0.000 $\chi^2/\text{NDF}: 54516541485.3/51$

All: -0.477 ± 0.000 $\chi^2/\text{NDF}: 110436131145.8$

- sign -0.473 ± 0.000 $\chi^2/\text{NDF}: 55851561360.3/53$

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 997173.4/26

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1071370.3/30

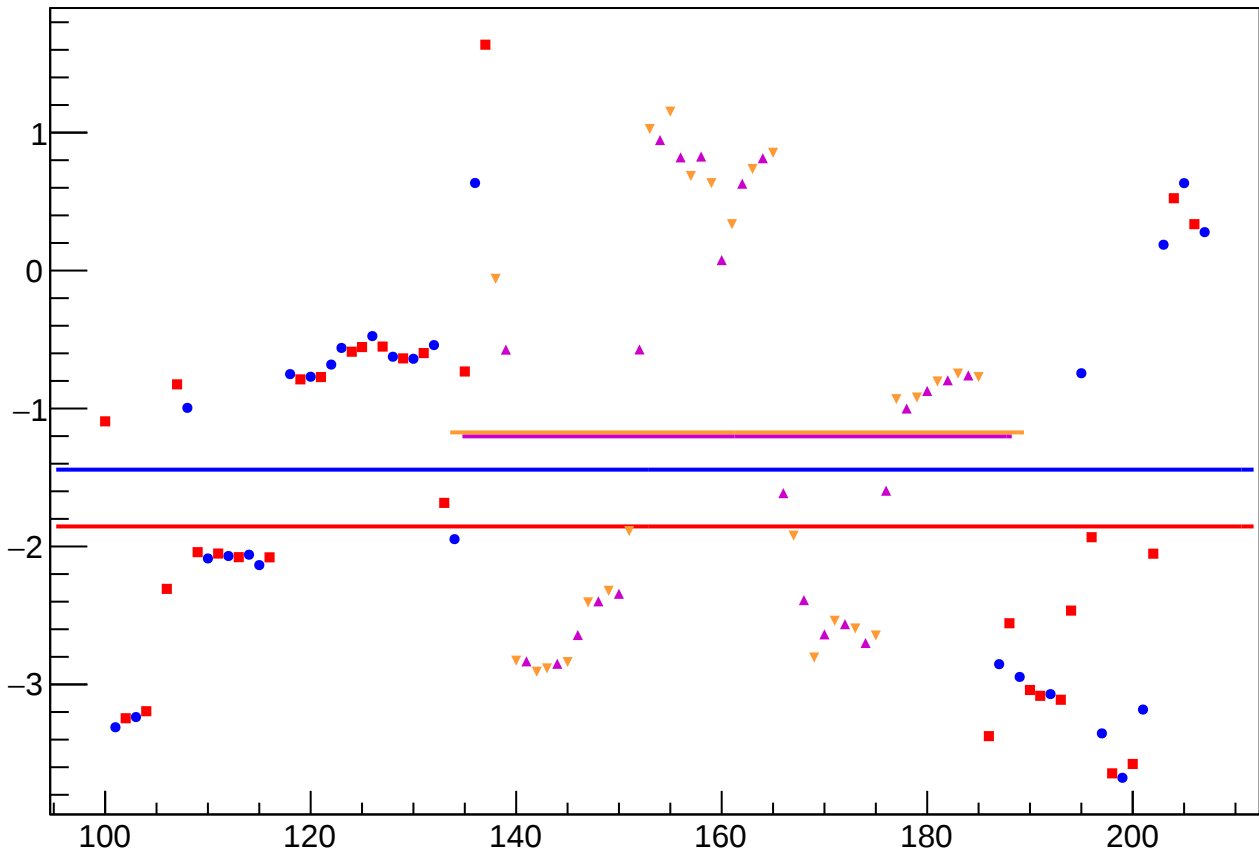
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1512398.4/51

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3118985.3/105

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1587778.0/53

yield_bpm0r03X_mean vs Slug



Right In: -1.443+/-0.000 χ^2/NDF : 5524345076.0/26

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.855+/-0.000 χ^2/NDF : 4636093338.0/30

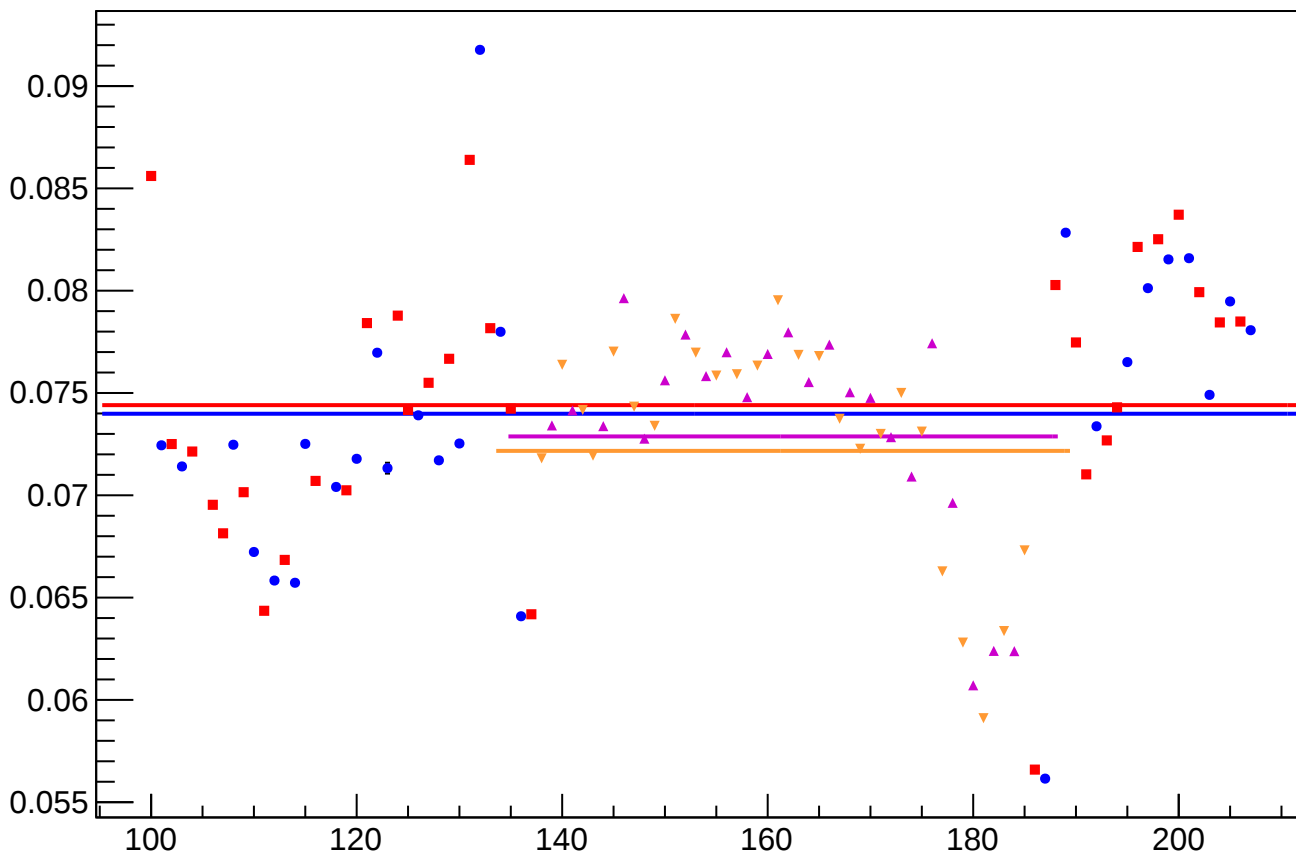
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.286+/-0.000 χ^2/NDF : 12512283315.0/51

All: -1.392+/-0.000 χ^2/NDF : 23511670930.4/100

- sign -1.500+/-0.000 χ^2/NDF : 10864185688.5/53

yield_bpm0r03X_rms vs Slug



Right In: 0.074 $\pm$ 0.000 χ^2 /NDF: 190037.0/26

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:222263.8/24

Right Out: 0.074 $\pm$ 0.000 χ^2 /NDF: 231533.6/30

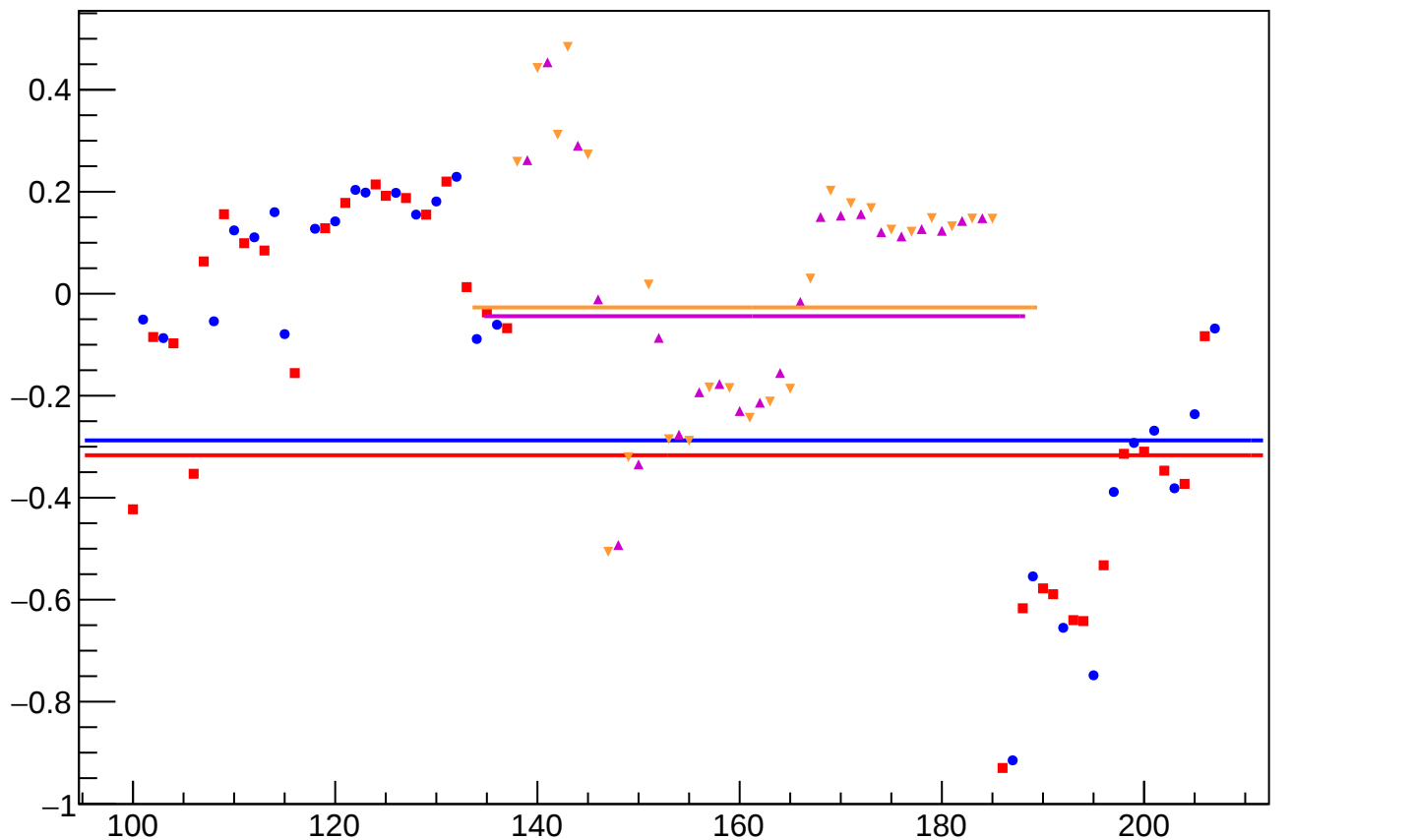
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

+ sign 0.073 $\pm$ 0.000 χ^2 /NDF: 421816.7/51

All: 0.073 $\pm$ 0.000 χ^2 /NDF: 846135.5/105

- sign 0.074 $\pm$ 0.000 χ^2 /NDF: 421850.0/53

yield_bpm0r03Y_mean vs Slug



Right In: -0.288+/-0.000 χ^2/NDF : 13341361154.8/26

Left Out: -0.027+/-0.000 χ^2/NDF : 20376761328.6/24

Right Out: -0.317+/-0.000 χ^2/NDF : 12221142271.7/30

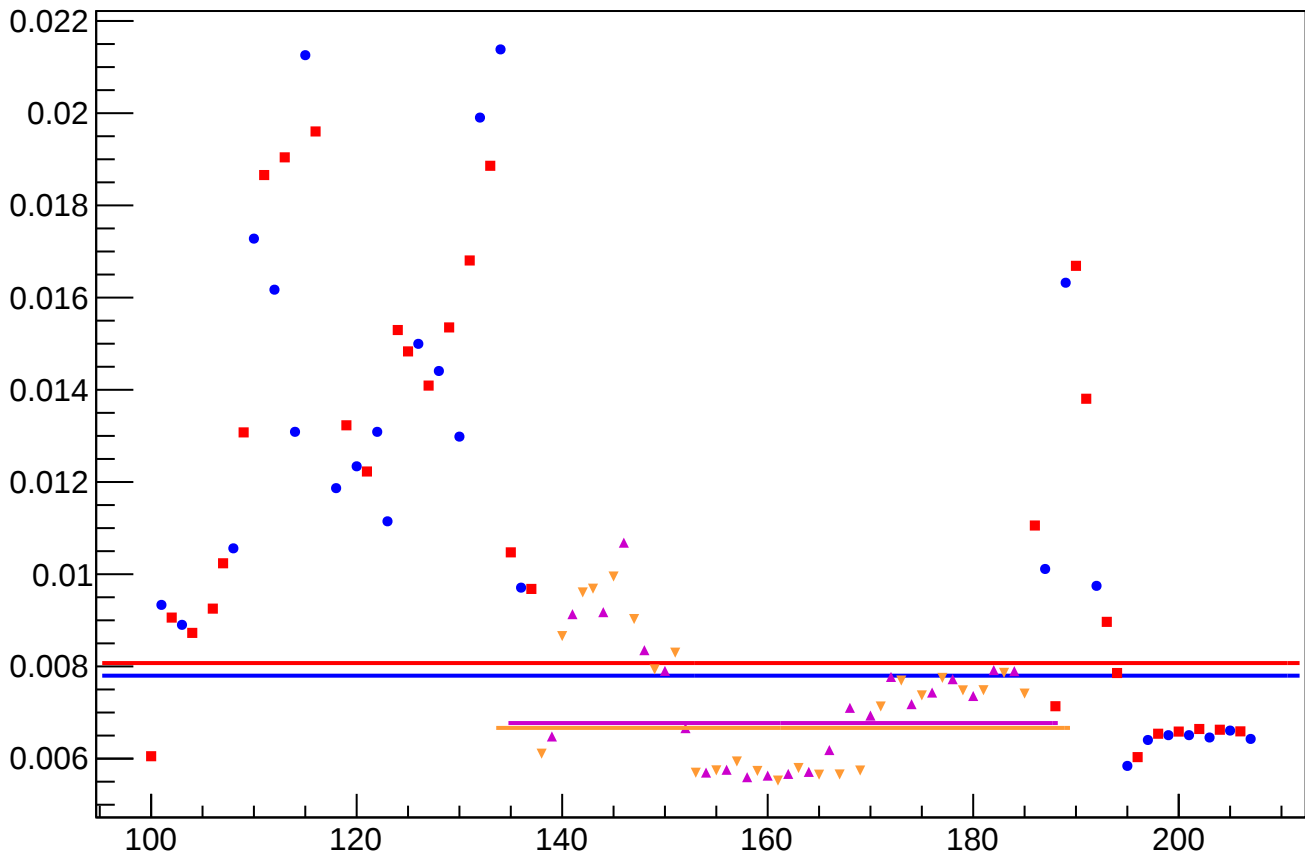
Left In: -0.044+/-0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.115+/-0.000 χ^2/NDF : 42377957985.6/51

All: -0.128+/-0.000 χ^2/NDF : 79648975759.6/100

- sign -0.141+/-0.000 χ^2/NDF : 37078920749.2/53

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2735885.7/26

Left Out: 0.007+/-0.000 χ^2/NDF : 1143768.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2949064.6/30

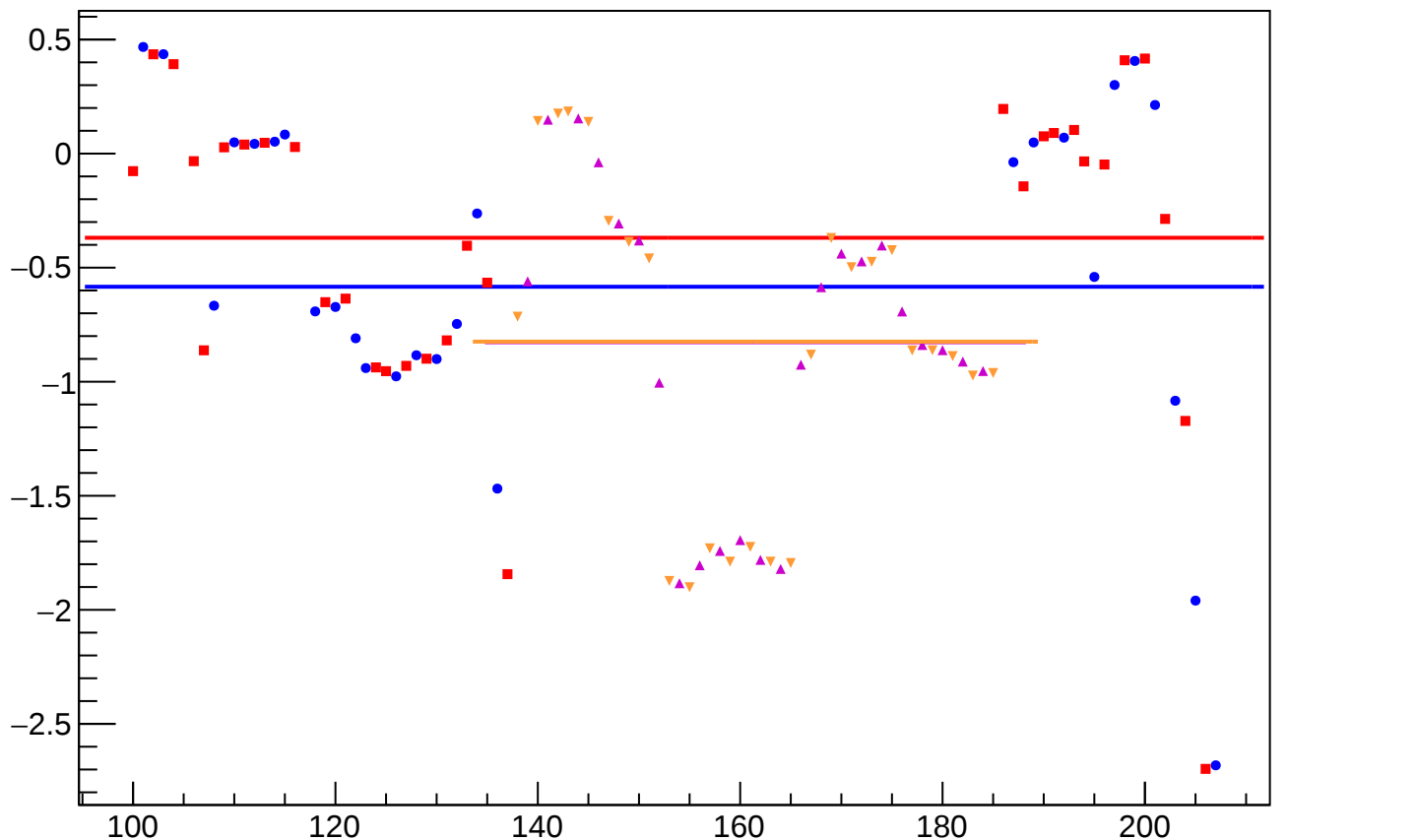
Left In: 0.007+/-0.000 χ^2/NDF : 934050.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 4206766.2/51

All: 0.007+/-0.000 χ^2/NDF : 8525161.0/105

- sign 0.007+/-0.000 χ^2/NDF : 4299109.5/53

yield_bpm0r05X_mean vs Slug



Right In: -0.584+/-0.000 χ^2/NDF : 1200830077.5/26

Left Out: -0.824+/-0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.369+/-0.000 χ^2/NDF : 1061262447.5/30

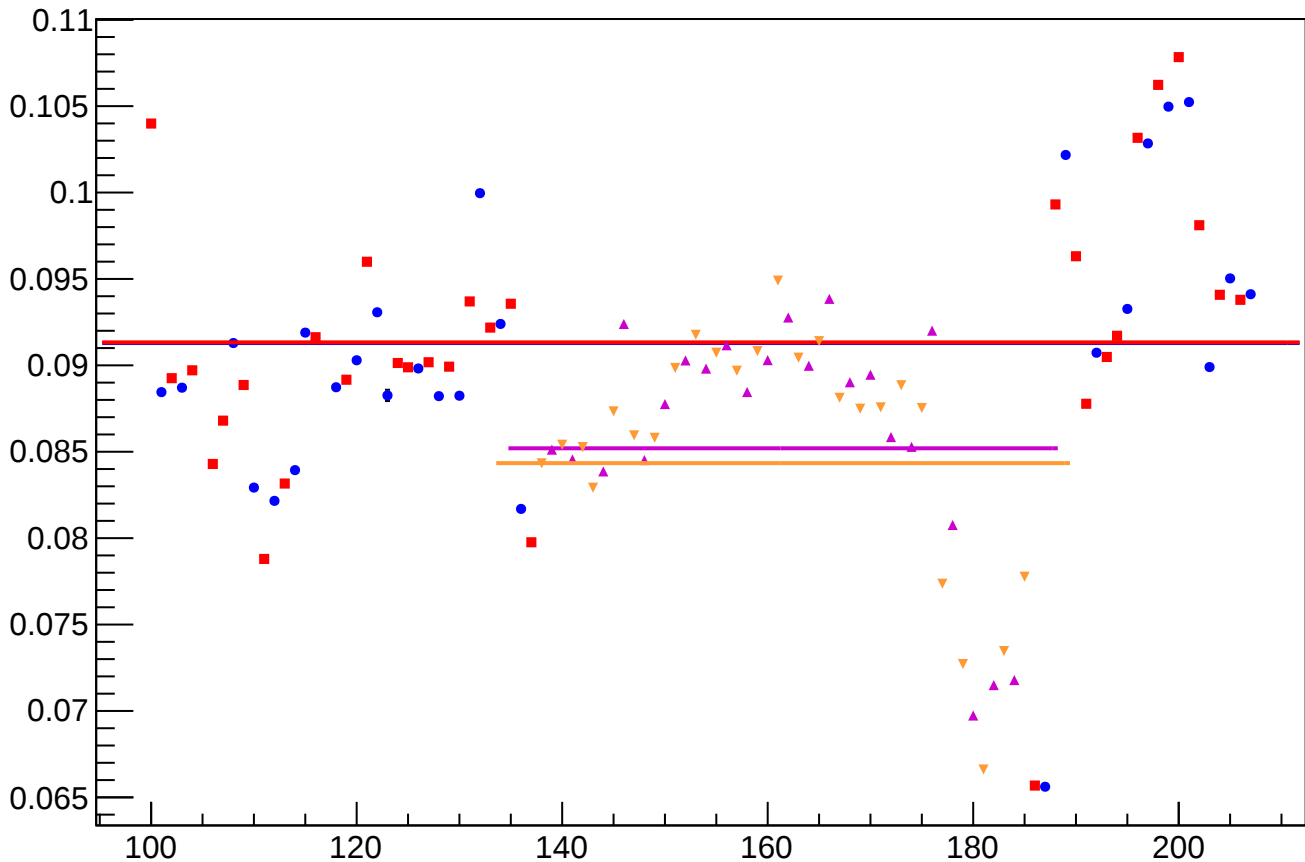
Left In: -0.827+/-0.000 χ^2/NDF : 921651117.3/22

+ sign -0.730+/-0.000 χ^2/NDF : 2362363197.7/51

All: -0.680+/-0.000 χ^2/NDF : 4580239809.4/1

- sign -0.629+/-0.000 χ^2/NDF : 2196602153.4/53

yield_bpm0r05X_rms vs Slug



Right In: 0.091 $\pm$ 0.000 χ^2 /NDF: 190707.4/26

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.091 $\pm$ 0.000 χ^2 /NDF: 281544.4/30

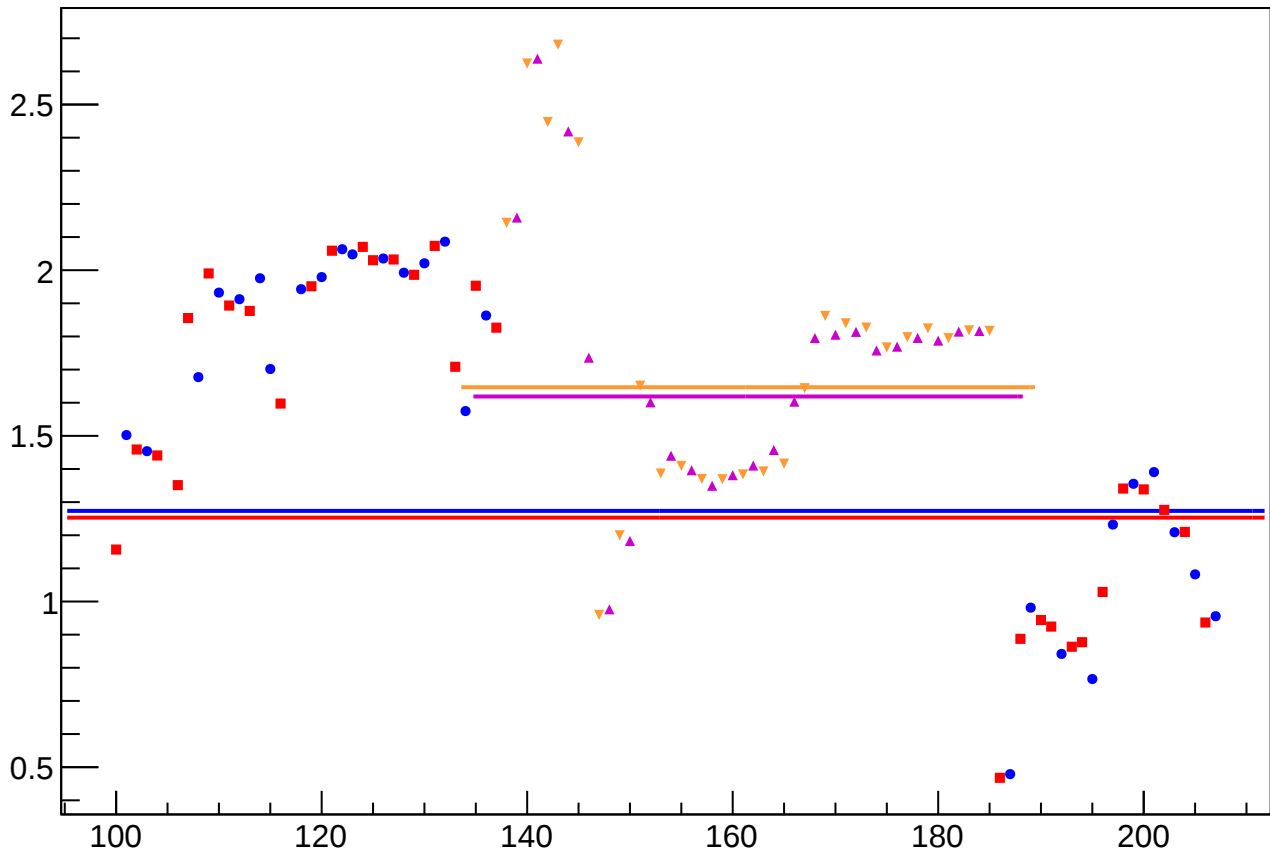
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 575667.4/51

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 1174671.0/105

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 596442.9/53

yield_bpm0r05Y_mean vs Slug



Right In: 1.274 $\pm$ 0.000 χ^2 /NDF: 14568557868.0/26

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.253 $\pm$ 0.000 χ^2 /NDF: 13360921156.7/30

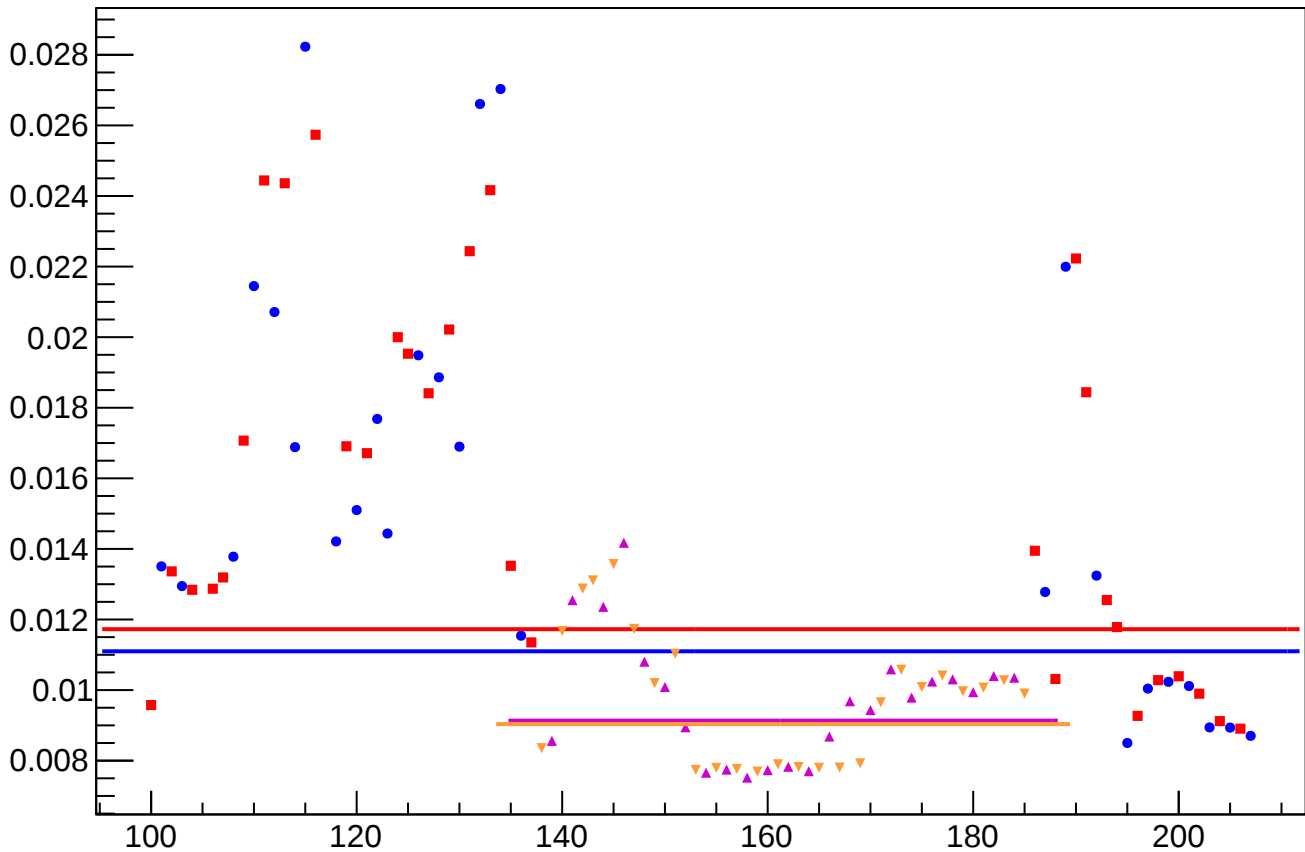
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.528 $\pm$ 0.000 χ^2 /NDF: 50327727741.6/51

All: 1.514 $\pm$ 0.000 χ^2 /NDF: 92802136832.1/100

- sign 1.499 $\pm$ 0.000 χ^2 /NDF: 42351905081.6/53

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2165292.6/26

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.012+/-0.000 χ^2/NDF : 2309749.9/30

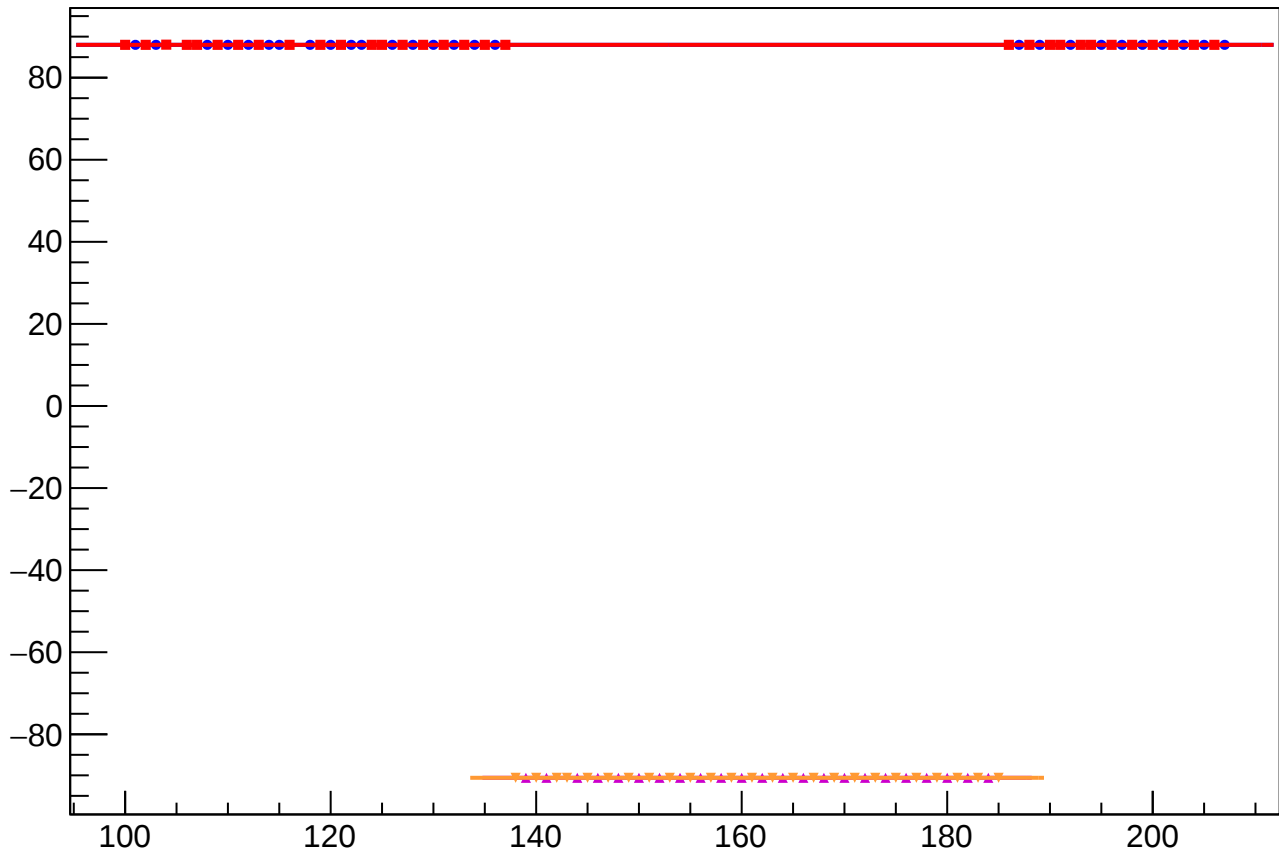
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3772016.3/51

All: 0.010+/-0.000 χ^2/NDF : 7825909.6/105

- sign 0.010+/-0.000 χ^2/NDF : 4029072.3/53

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 2969449.2/26

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 80690855910129779772655403008.0/30

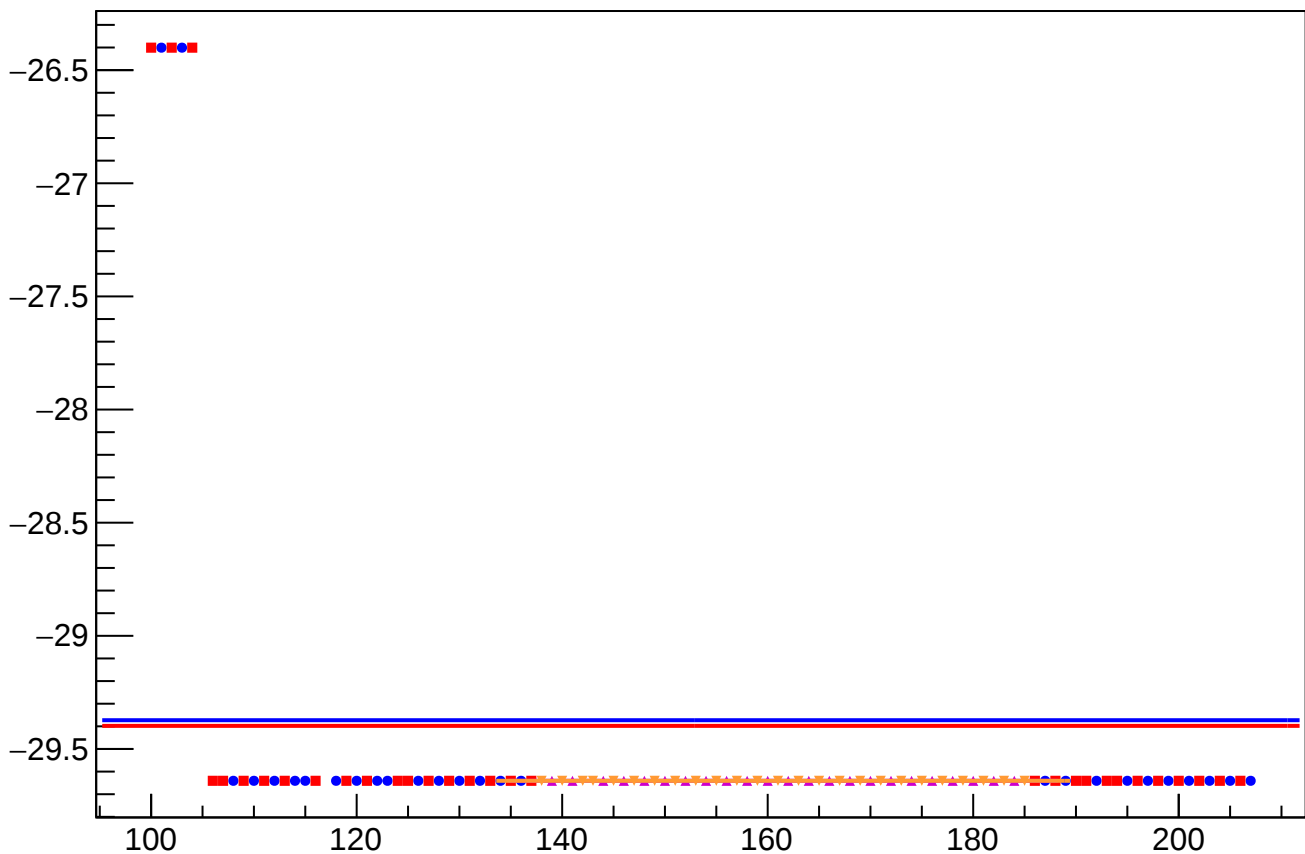
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -14.079 $\pm$ 0.000 χ^2 /NDF: 260345924111610

All: -10.995 $\pm$ 0.000 χ^2 /NDF: 526183125867

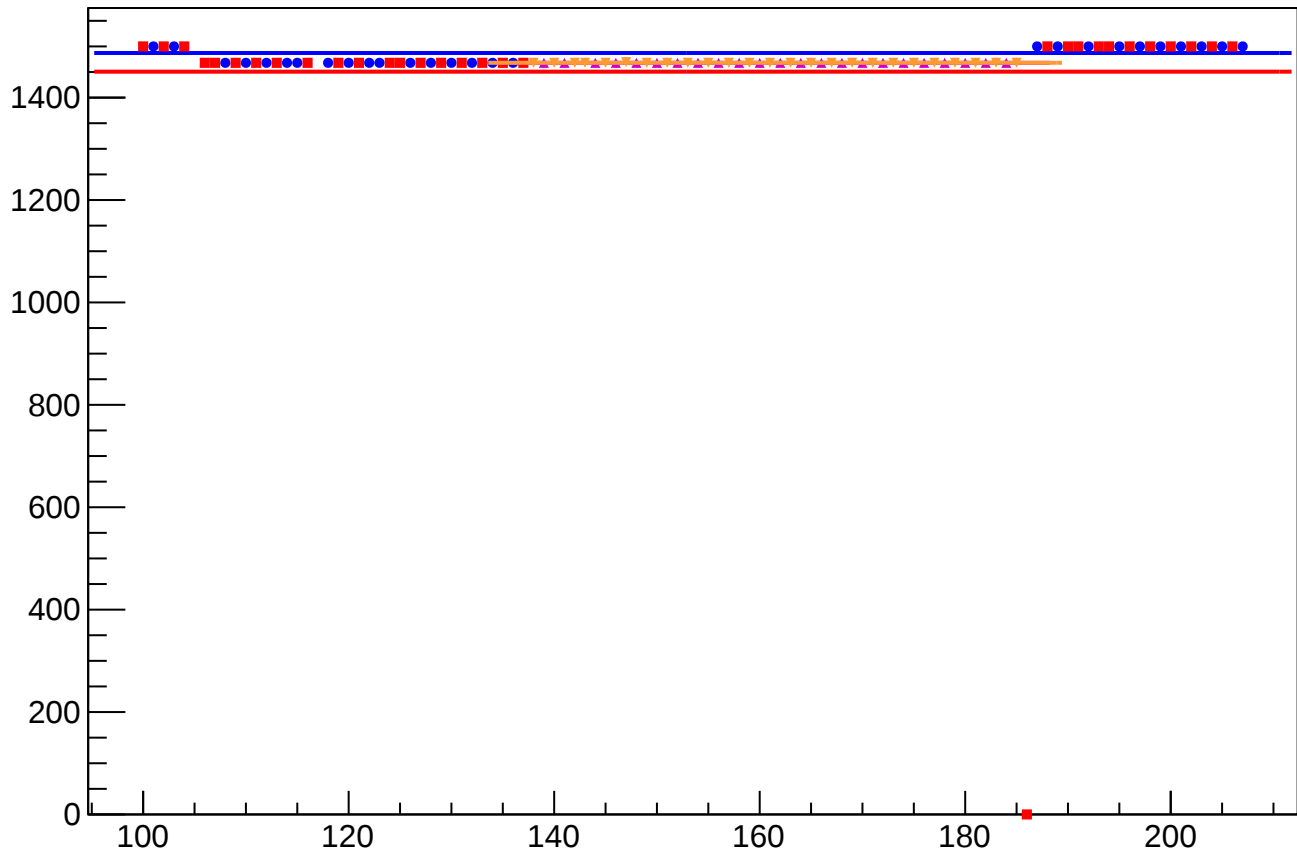
- sign -7.921 $\pm$ 0.000 χ^2 /NDF: 26520420827097380

epics_HWienAngles_mean vs Slug



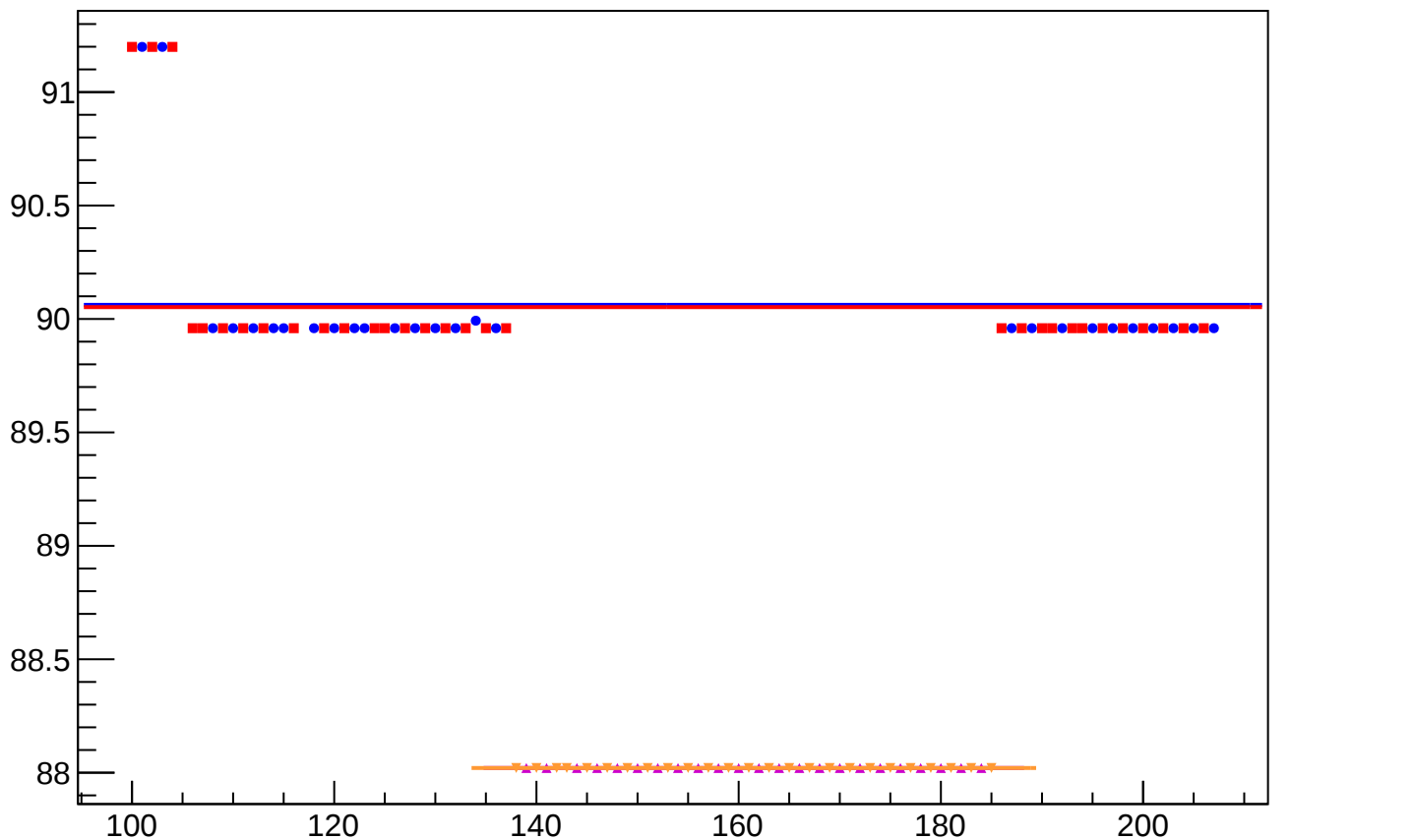
Right In: -29.373+/-0.000 χ^2/NDF : 1136357848739490362612746240917504.0/26
 Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24 + sign -29.526+/-0.000 χ^2/NDF : 119486183978396
 Right Out: -29.398+/-0.000 χ^2/NDF : 1126471144186035324568812212191232.0/30 All: -29.527+/-0.000 χ^2/NDF : 237035084786
 Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22 - sign -29.528+/-0.000 χ^2/NDF : 1175480061243993

epics_psub_pl_poss_mean vs Slug



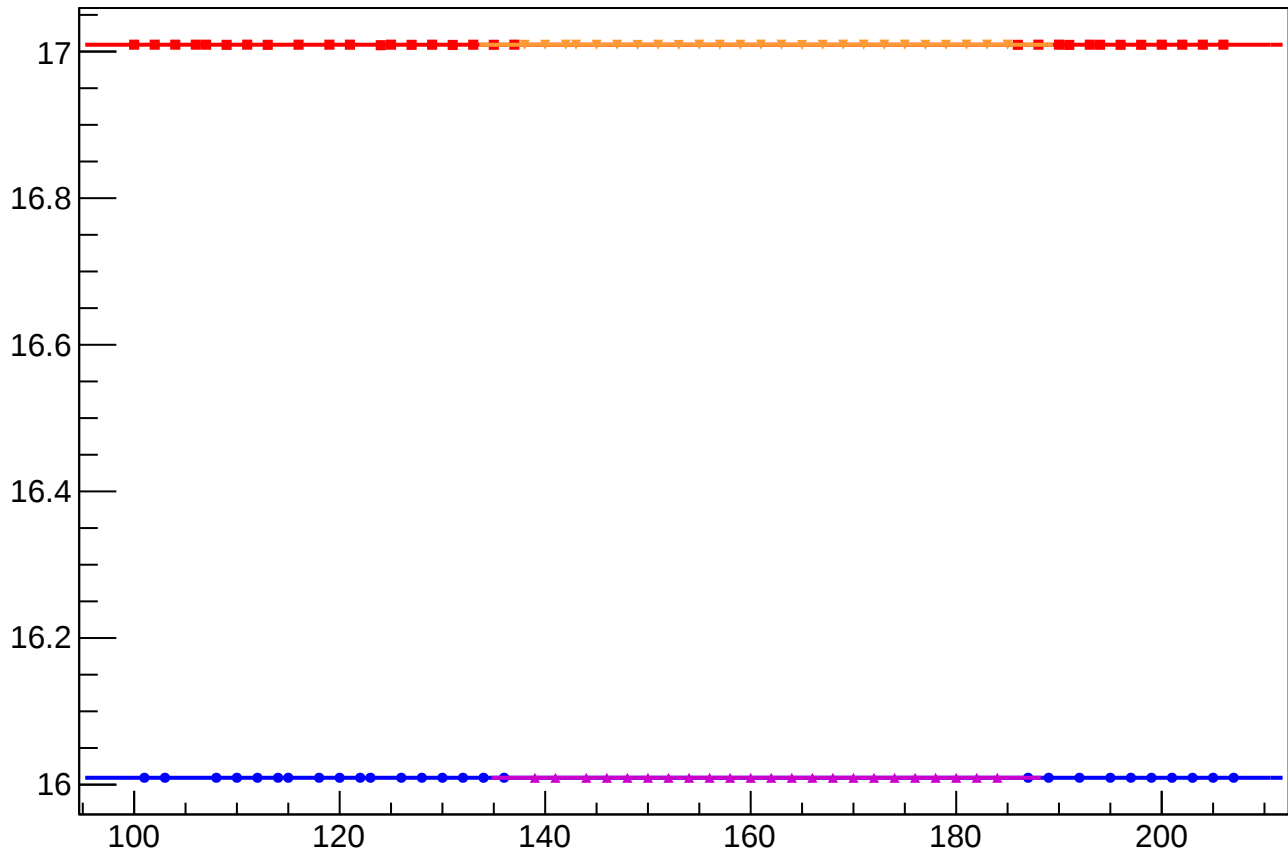
Right In: 1487.152+/-0.000 χ^2/NDF : 351795212929475098173981384419311616.0/26
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1450.685+/-0.000 χ^2/NDF : 82353550162967505288878990526532026368.0/30
 Left In: 1467.994+/-0.000 χ^2/NDF : 14449772795444989723550941184.0/22

epics_Phi_FGs_mean vs Slug



Right In: 90.062 $\pm$ 0.000 χ^2 /NDF: 166324495367516386408806005866496.0/26
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5679798.5/24
 Right Out: 90.052 $\pm$ 0.000 χ^2 /NDF: 164996002067225251639100472033280.0/30
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 113567838267970007597056.0/26

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 18638069557053823345754112.0/30

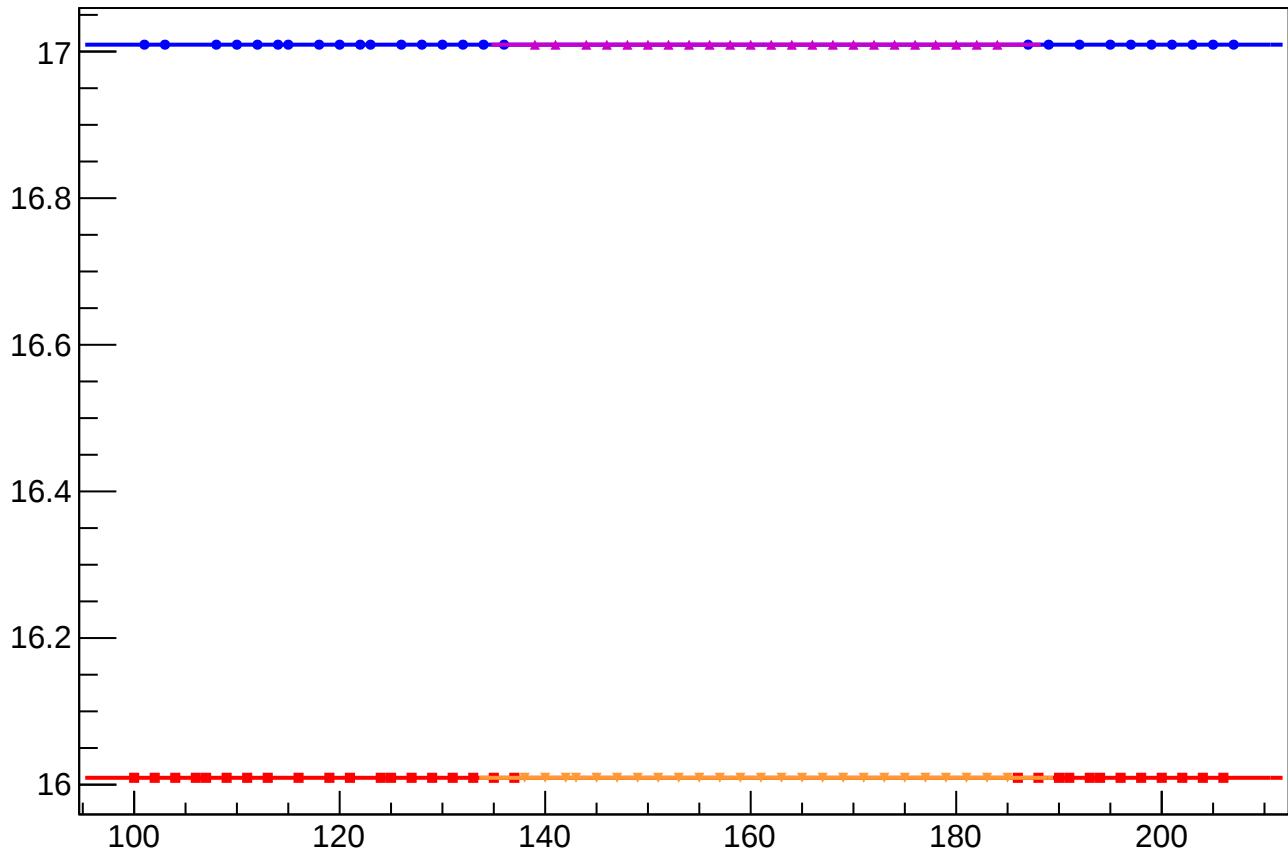
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.568 $\pm$ 0.000 χ^2 /NDF: 7802874997476581

All: 16.524 $\pm$ 0.000 χ^2 /NDF: 1577076466659

- sign 16.480 $\pm$ 0.000 χ^2 /NDF: 7843592381773432

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 113567838313540063592448.0/26

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 323041.7/30

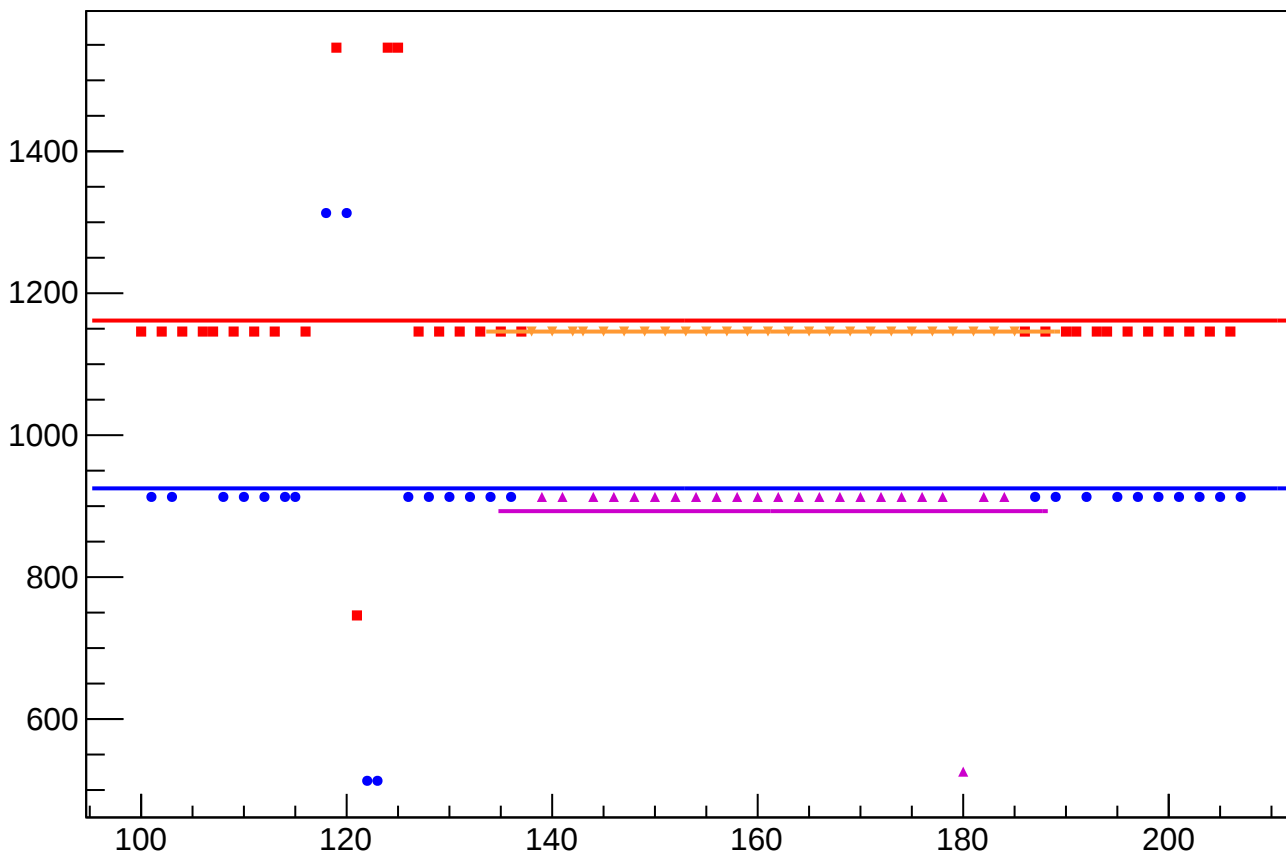
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.435+/-0.000 χ^2/NDF : 8013012646125217

All: 16.488+/-0.000 χ^2/NDF : 1639365386899

- sign 16.541+/-0.000 χ^2/NDF : 8196480465179101

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 925.040 +/- 0.000 χ^2/NDF : 21074170969527461812964599747458367488.0/26

Left Out: 1146.011 +/- 0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1161.514 +/- 0.000 χ^2/NDF : 21708635884446722157874273853770825728.0/30

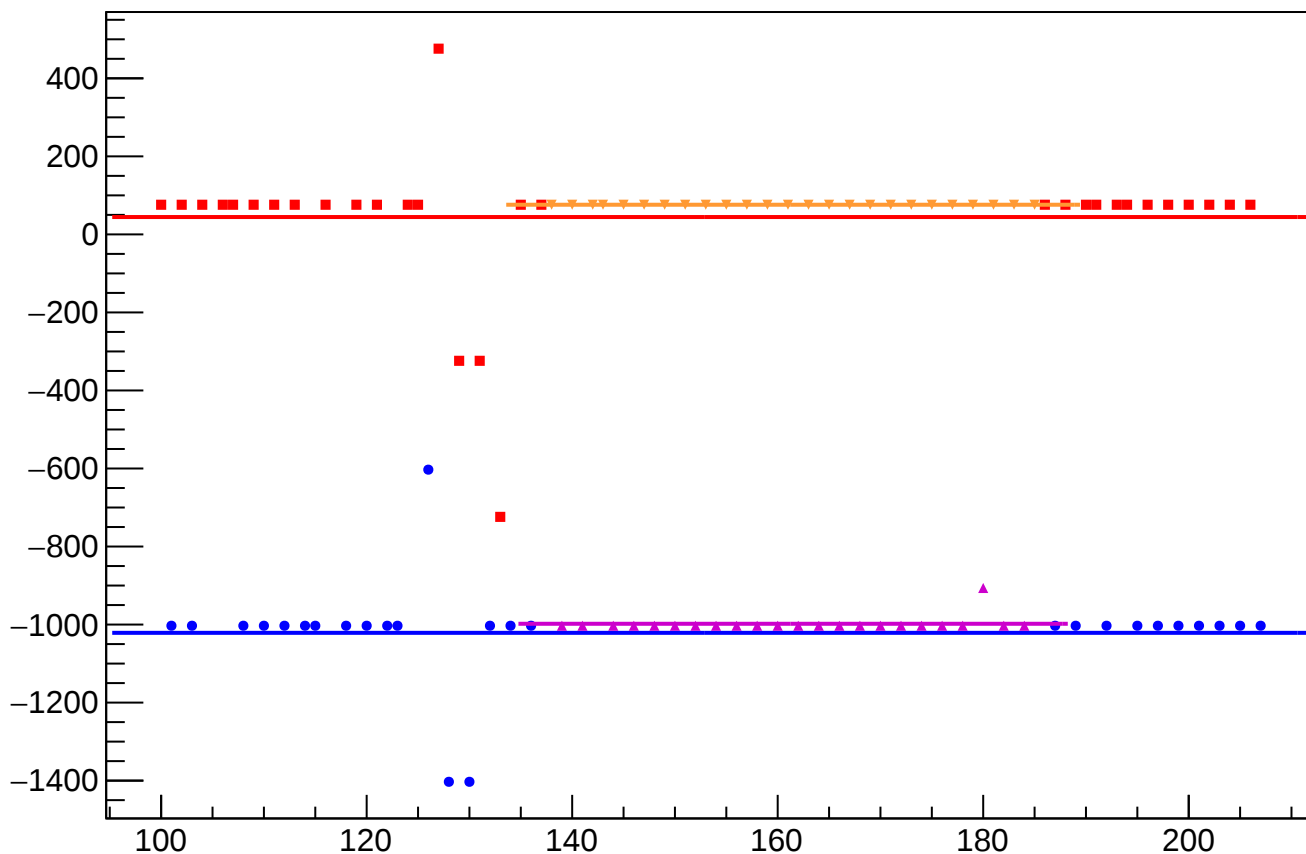
Left In: 892.950 +/- 0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1034.277 +/- 0.000 χ^2/NDF : 15775230930.0/30

+ sign 1051.338 +/- 0.000 χ^2/NDF : 60927029477886.0/26

- sign 1017.273 +/- 0.000 χ^2/NDF : 94888332477952.0/22

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1021.197 $\pm$ 0.000 χ^2 /NDF: 22726273102489838620501188704364134400.0/26

Left Out: 76.011 $\pm$ 0.000 χ^2 /NDF: 11479003589933272170007363584.0/24

Right Out: 44.486 $\pm$ 0.000 χ^2 /NDF: 45501363450063733880445875935160303616.0/30

Left In: -997.979 $\pm$ 0.000 χ^2 /NDF: 825858066518991041870194619245920256.0/22

All: -454.841 $\pm$ 0.000 χ^2 /NDF: 19797094706

- sign -515.402 $\pm$ 0.000 χ^2 /NDF: 949839008238435