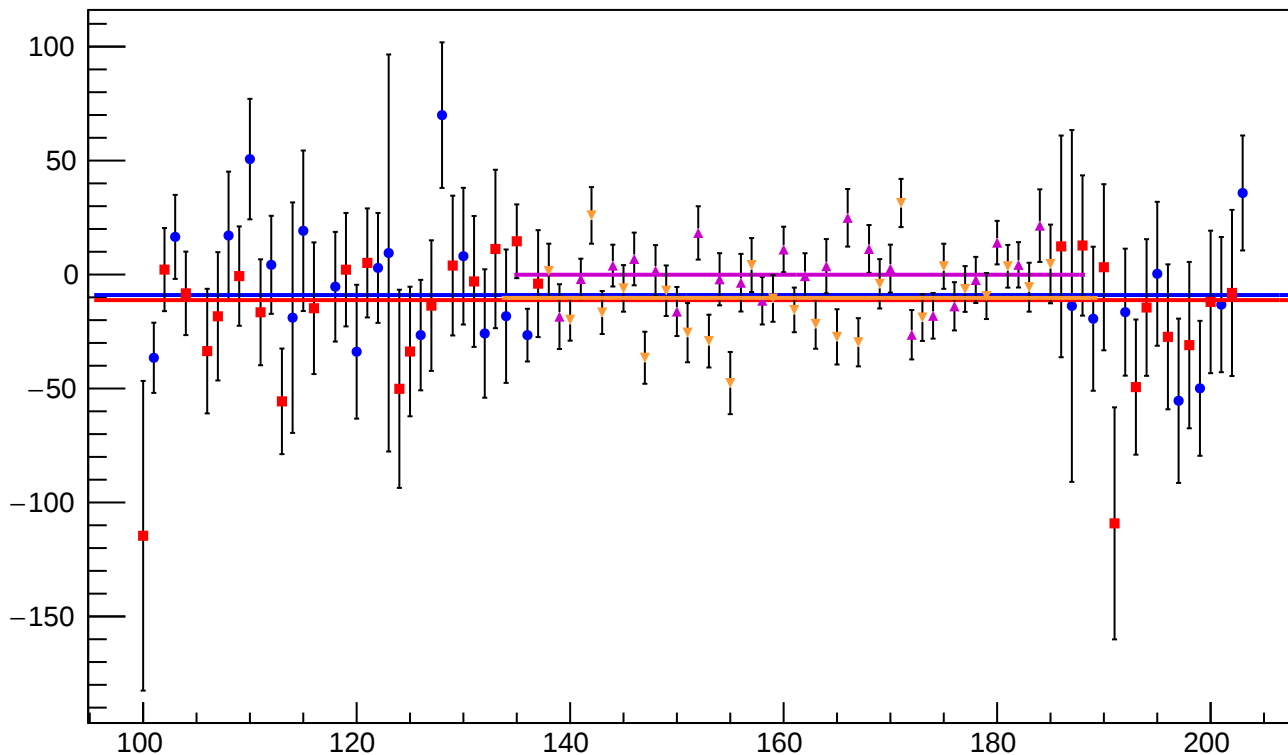


diff_bpm4aX_mean vs Slug



Right In: -8.991 ± 5.016

χ^2/NDF : 29.9/24

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -11.211 ± 5.044

χ^2/NDF : 20.1/28

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -10.042 ± 1.992

χ^2/NDF : 88.1/49

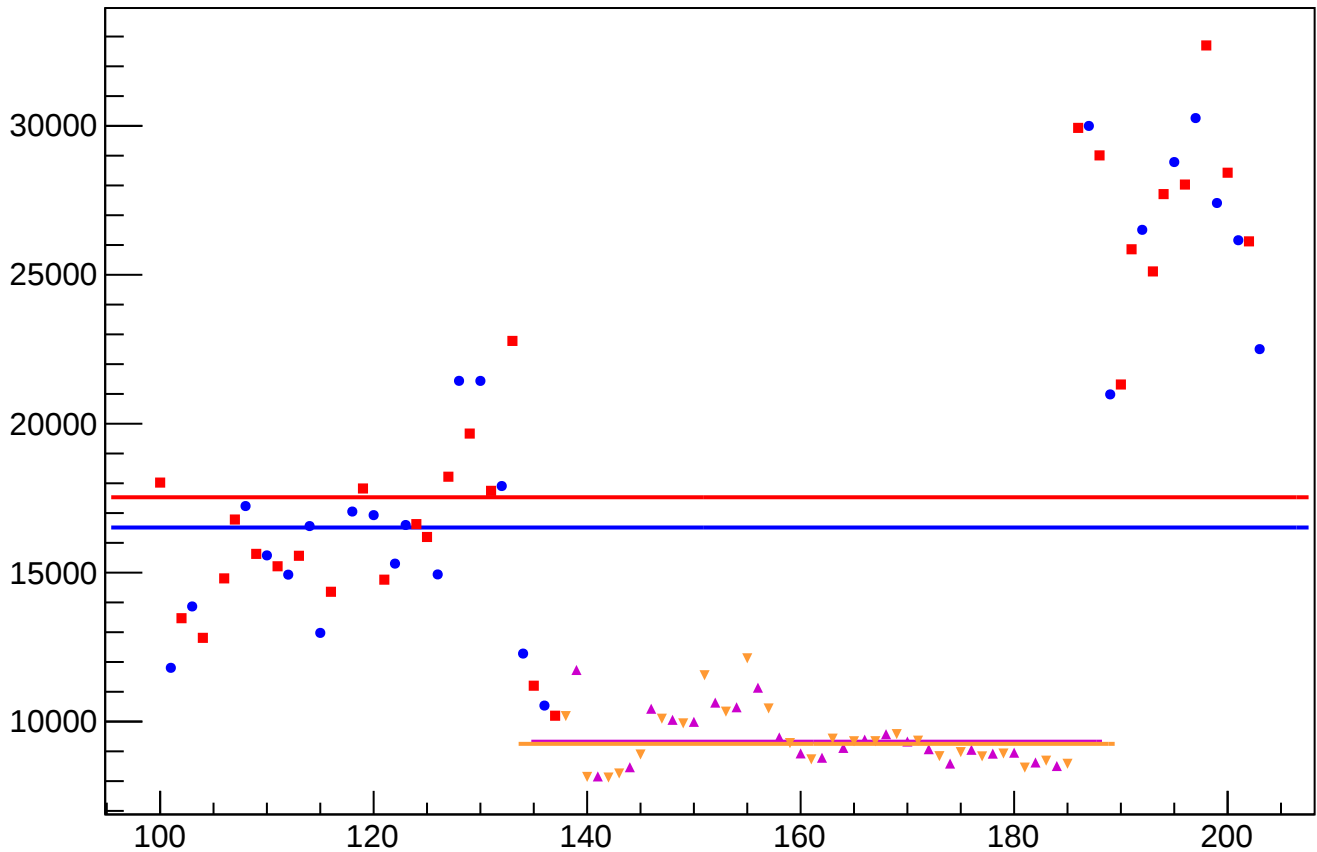
All: -6.112 ± 1.430

χ^2/NDF : 150.1/101

- sign -1.928 ± 2.055

χ^2/NDF : 54.0/51

diff_bpm4aX_rms vs Slug



Right In: 16515.549+/-3.547 χ^2/NDF : 2507983.8/24

Left Out: 9251.811+/-1.535 χ^2/NDF : 332323.3/24

Right Out: 17530.756+/-3.567 χ^2/NDF : 2679699.0/28

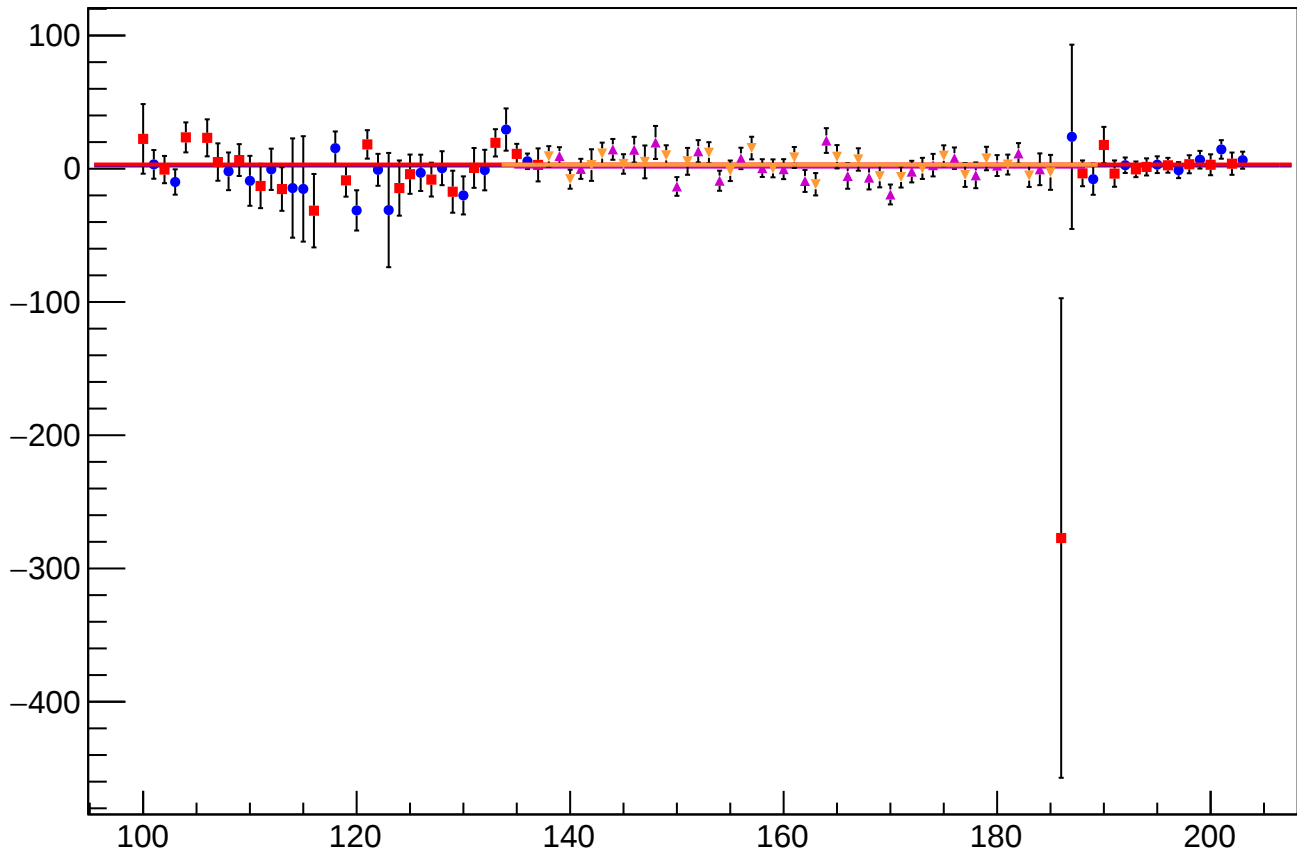
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 10397.221+/-1.408 χ^2/NDF : 6373255.0/49

All: 10537.266+/-1.011 χ^2/NDF : 13764101.6/100

- sign 10686.379+/-1.453 χ^2/NDF : 7370431.7/51

diff_bpm4aY_mean vs Slug



Right In: 2.473 $\pm$ 1.948 χ^2 /NDF: 20.3/24

Left Out: 3.027 $\pm$ 1.661 χ^2 /NDF:18.6/24

Right Out: 3.175 $\pm$ 1.892 χ^2 /NDF: 25.0/28

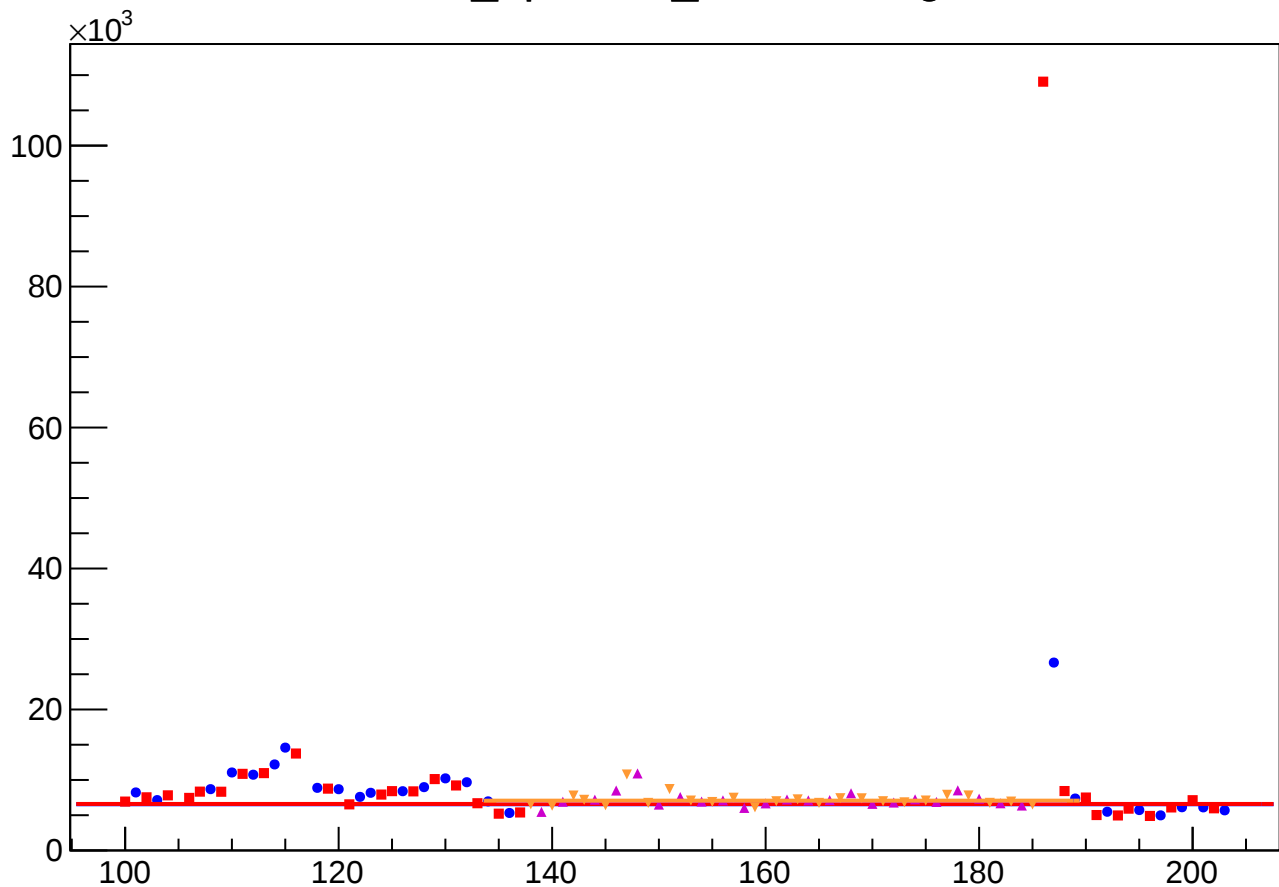
Left In: 1.588 $\pm$ 1.703 χ^2 /NDF:35.5/22

+ sign 2.794 $\pm$ 1.264 χ^2 /NDF: 38.9/49

All: 2.546 $\pm$ 0.894 χ^2 /NDF: 99.8/101

- sign 2.298 $\pm$ 1.266 χ^2 /NDF: 60.9/51

diff_bpm4aY_rms vs Slug



Right In: 6552.378 ± 1.378 $\chi^2/\text{NDF}: 1507337.3/24$

Left Out: 7064.457 ± 1.174 $\chi^2/\text{NDF}: 386814.9/24$

Right Out: 6596.456 ± 1.338 $\chi^2/\text{NDF}: 2092859.6/28$

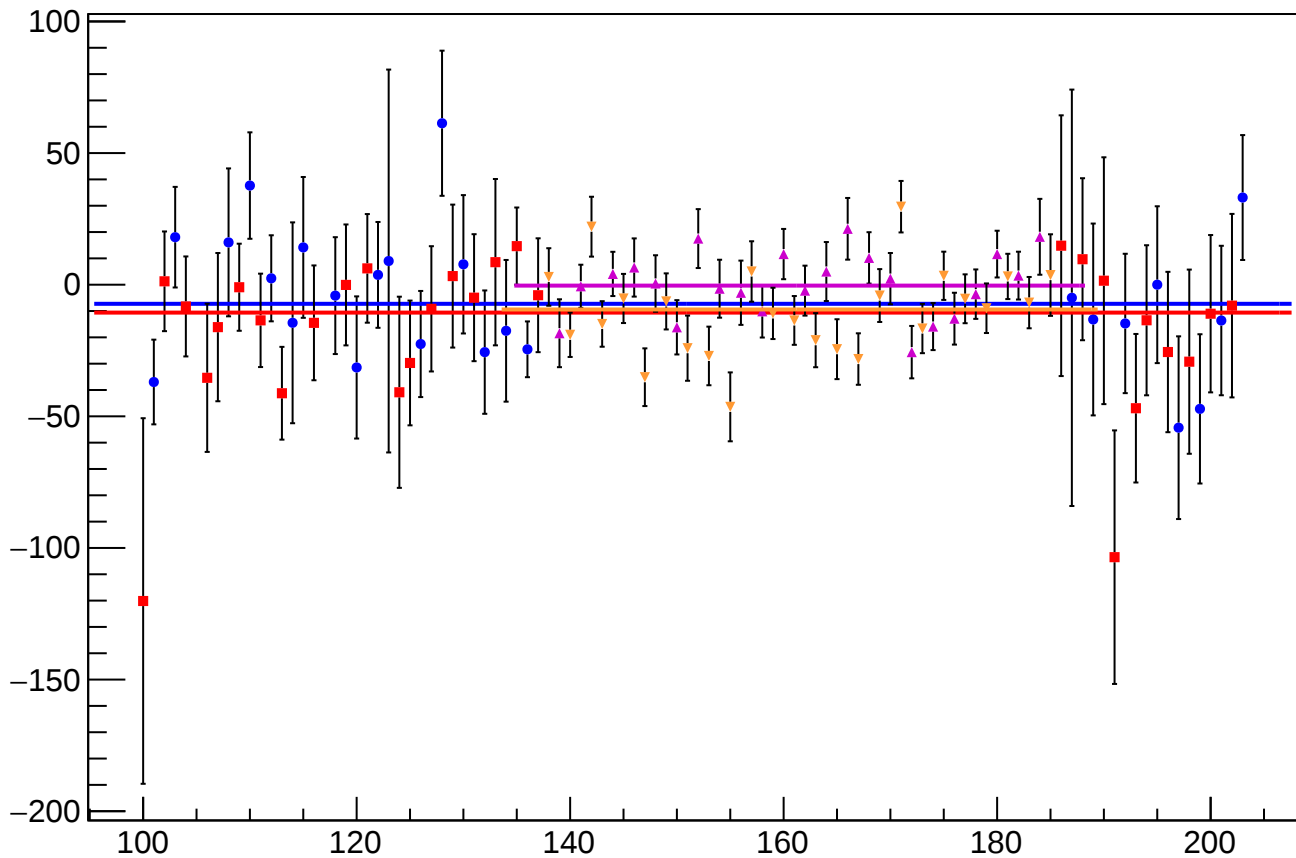
Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

+ sign 6848.988 ± 0.894 $\chi^2/\text{NDF}: 1974178.5/49$

All: 6838.244 ± 0.632 $\chi^2/\text{NDF}: 4646615.9/100$

- sign 6827.470 ± 0.895 $\chi^2/\text{NDF}: 2672147.8/51$

diff_bpm4eX_mean vs Slug



Right In: -7.258 ± 4.559 χ^2/NDF : 30.4/24

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

Right Out: -10.597 ± 4.539 χ^2/NDF : 19.8/28

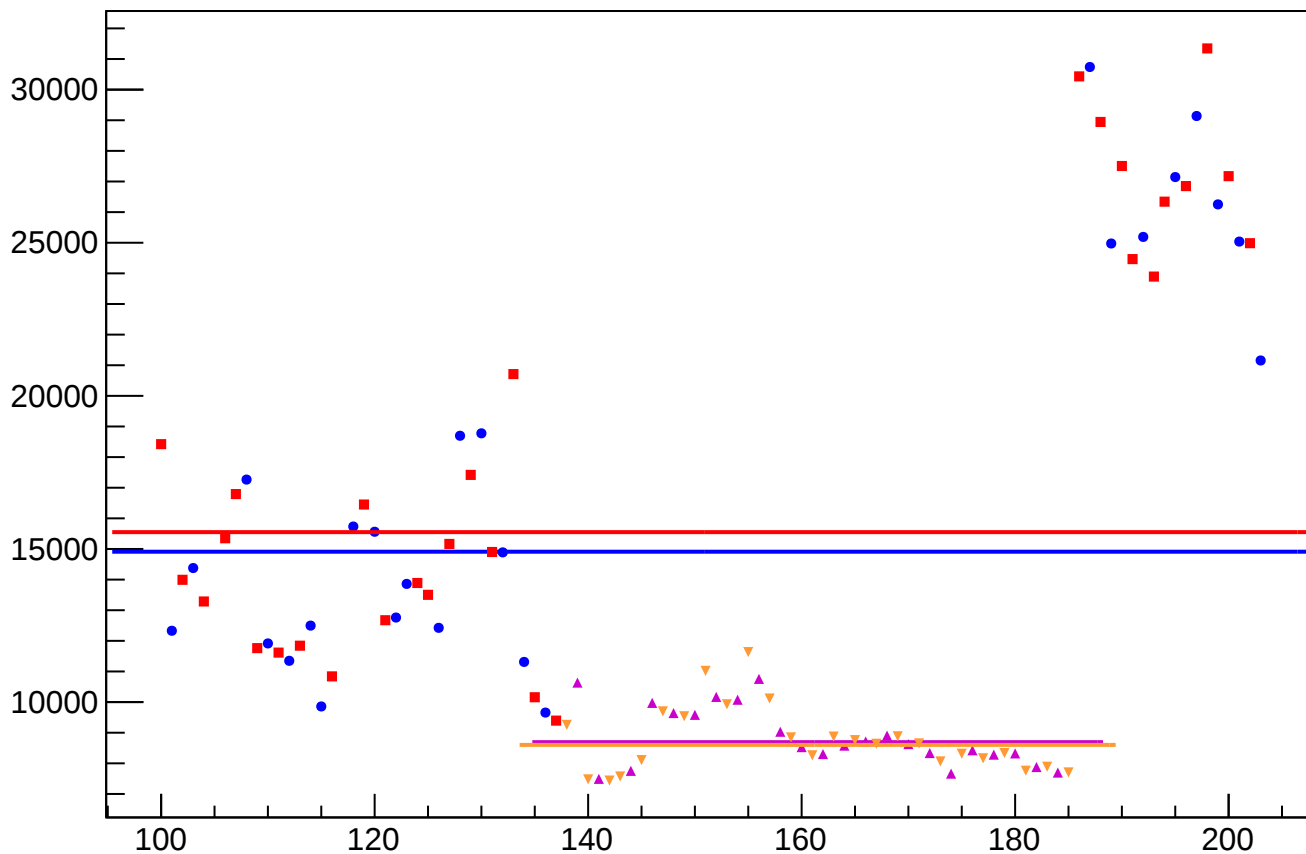
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.058 ± 1.848 χ^2/NDF : 89.4/49

All: -5.713 ± 1.327 χ^2/NDF : 150.1/101

- sign -2.152 ± 1.906 χ^2/NDF : 53.9/51

diff_bpm4eX_rms vs Slug



Right In: 14910.941+/-3.224 χ^2/NDF : 2872669.0/24

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

Right Out: 15549.856+/-3.210 χ^2/NDF : 3344614.1/28

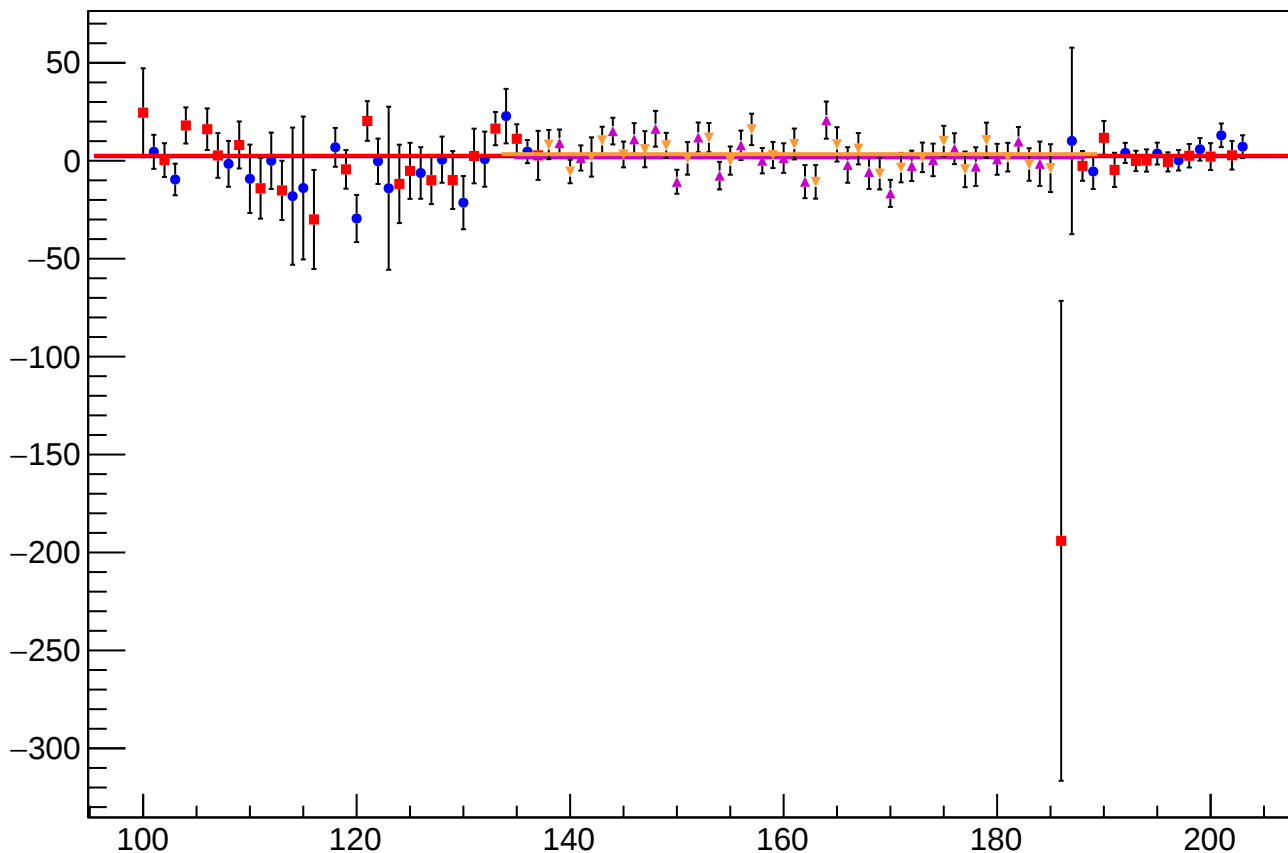
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9638.243+/-1.306 χ^2/NDF : 6511920.3/49

All: 9765.468+/-0.938 χ^2/NDF : 14002357.6/100

- sign 9900.901+/-1.348 χ^2/NDF : 7470859.1/51

diff_bpm4eY_mean vs Slug



Right In: 2.301 $\pm$ 1.728 χ^2 /NDF: 21.9/24

Left Out: 3.374 $\pm$ 1.552 χ^2 /NDF:17.2/24

Right Out: 2.580 $\pm$ 1.655 χ^2 /NDF: 25.7/28

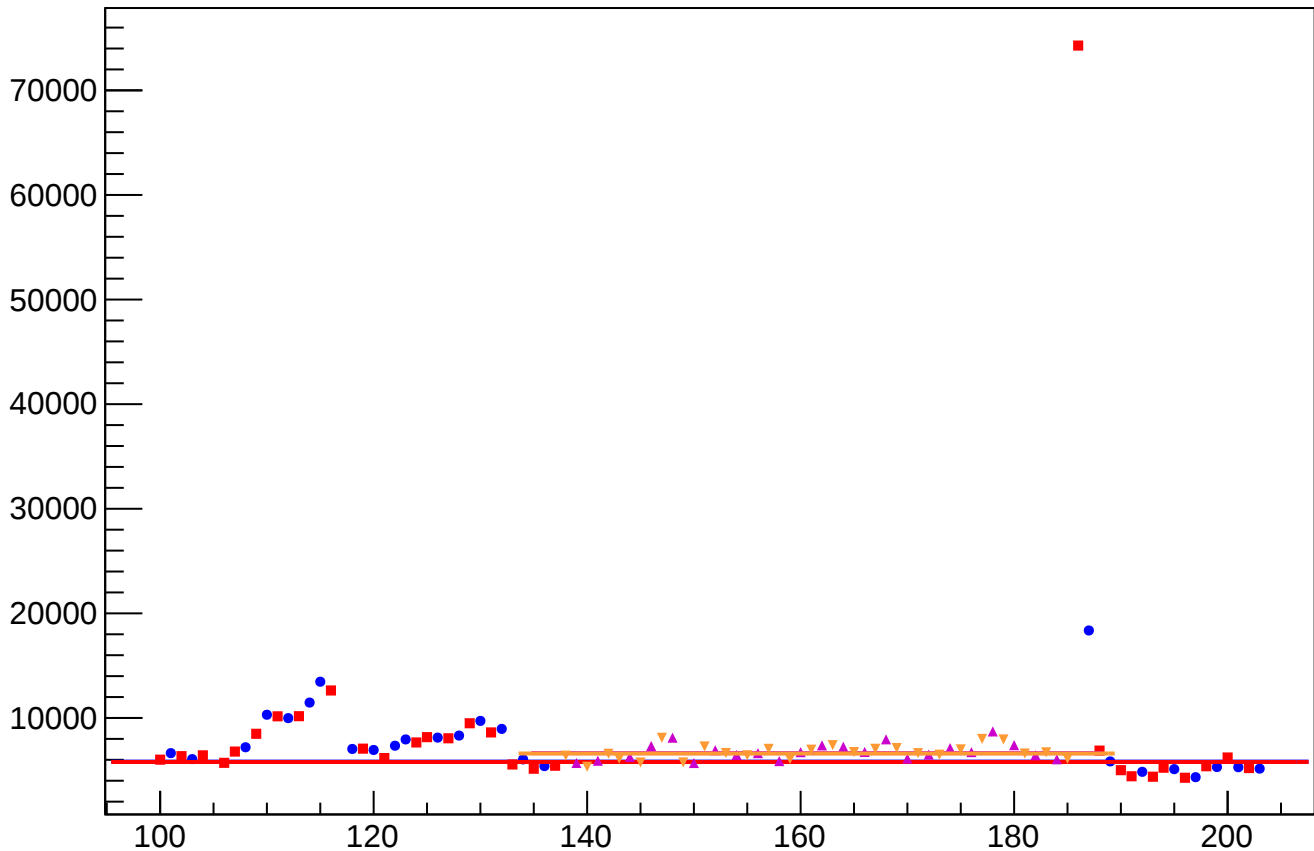
Left In: 1.756 $\pm$ 1.607 χ^2 /NDF:33.5/22

+ sign 2.895 $\pm$ 1.155 χ^2 /NDF: 39.3/49

All: 2.525 $\pm$ 0.816 χ^2 /NDF: 98.8/101

- sign 2.156 $\pm$ 1.153 χ^2 /NDF: 59.3/51

diff_bpm4eY_rms vs Slug



Right In: 5828.004 $\pm$ 1.222 χ^2 /NDF: 1460797.6/24

Left Out: 6603.953 $\pm$ 1.097 χ^2 /NDF: 395247.5/24

Right Out: 5793.334 $\pm$ 1.170 χ^2 /NDF: 2128511.2/28

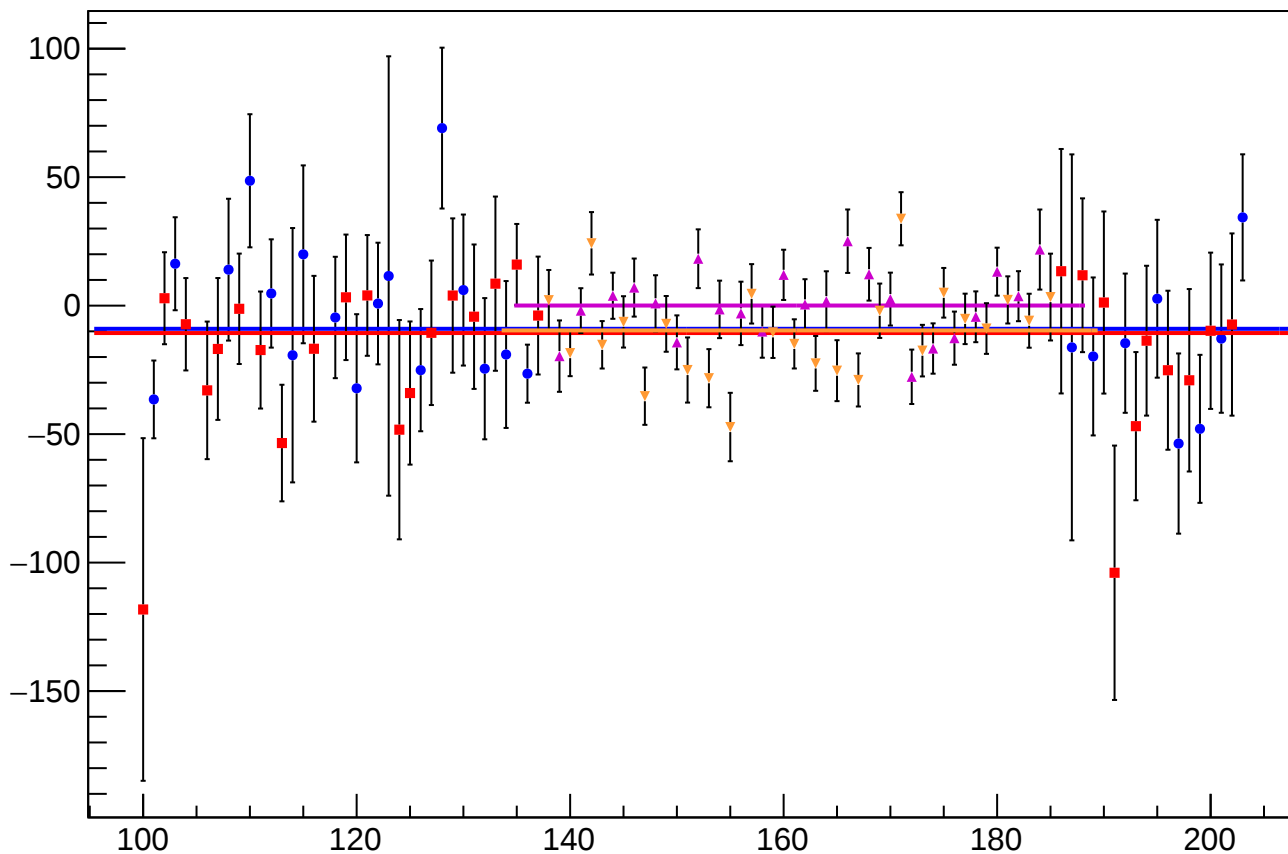
Left In: 6637.155 $\pm$ 1.136 χ^2 /NDF: 415547.5/22

+ sign 6257.606 $\pm$ 0.816 χ^2 /NDF: 2079249.3/49

All: 6242.559 $\pm$ 0.577 χ^2 /NDF: 4891658.6/10

- sign 6227.561 $\pm$ 0.815 χ^2 /NDF: 2811731.1/51

diff_bpm4acX_mean vs Slug



Right In: -9.013 ± 4.909 χ^2/NDF : 29.7/24

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

Right Out: -10.668 ± 4.937 χ^2/NDF : 20.1/28

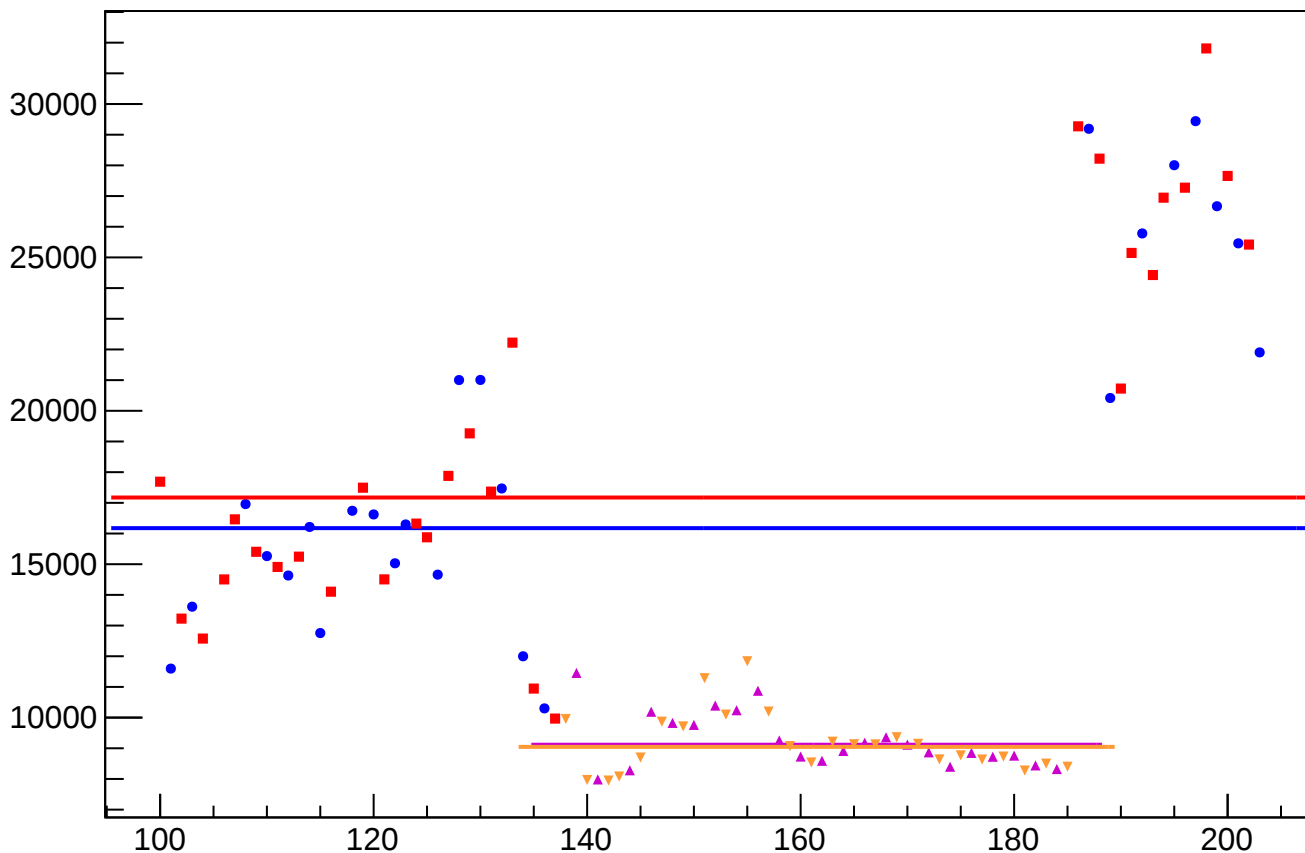
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.541 ± 1.948 χ^2/NDF : 89.6/49

All: -5.759 ± 1.399 χ^2/NDF : 152.2/101

- sign -1.732 ± 2.010 χ^2/NDF : 54.8/51

diff_bpm4acX_rms vs Slug



Right In: 16175.560+/-3.471 χ^2/NDF : 2475106.3/24

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

Right Out: 17173.494+/-3.491 χ^2/NDF : 2638666.5/28

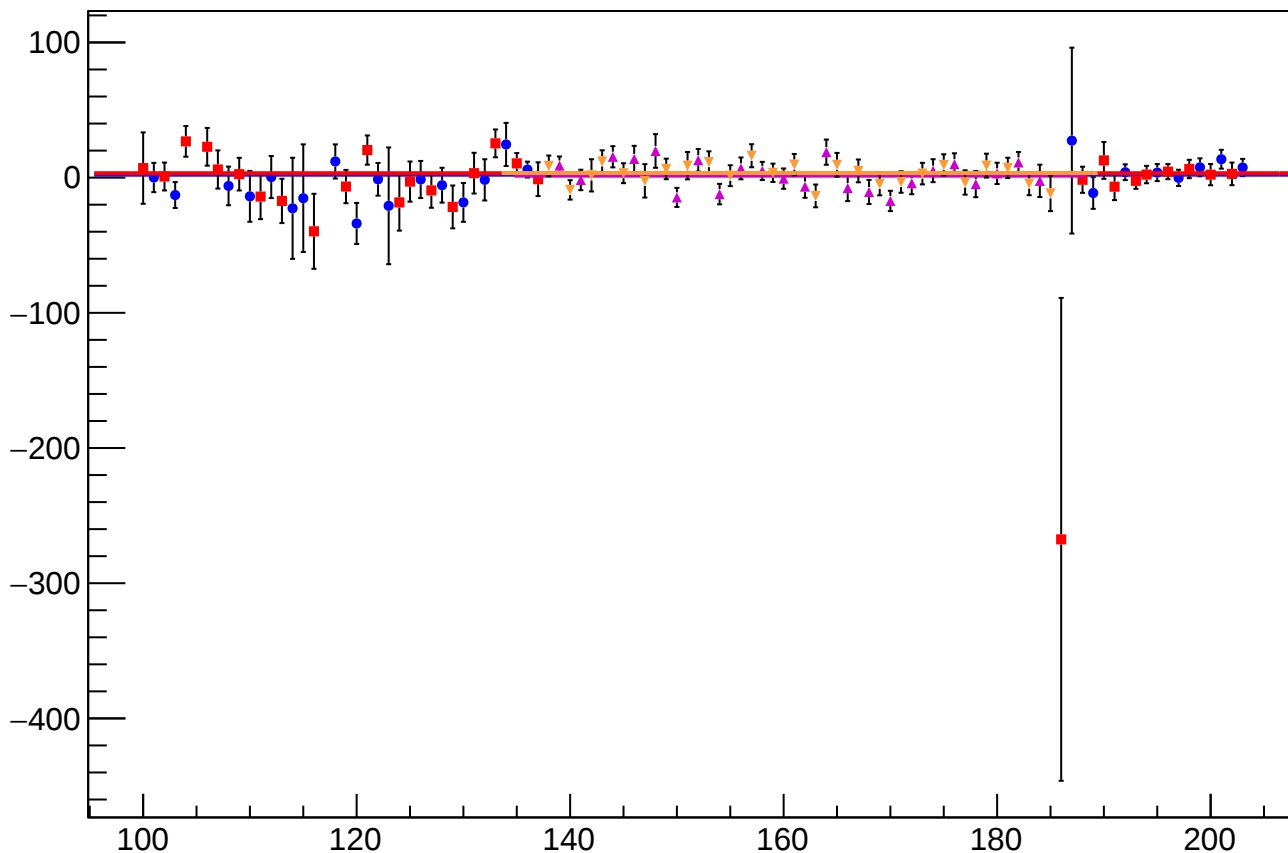
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 10168.177+/-1.377 χ^2/NDF : 6358519.0/49

All: 10305.044+/-0.989 χ^2/NDF : 13734364.8

- sign 10450.771+/-1.421 χ^2/NDF : 7355452.0/51

diff_bpm4acY_mean vs Slug



Right In: 2.206 $\pm$ 1.956 χ^2 /NDF: 21.6/24

Left Out: 3.387 $\pm$ 1.668 χ^2 /NDF:19.4/24

Right Out: 3.266 $\pm$ 1.900 χ^2 /NDF: 30.2/28

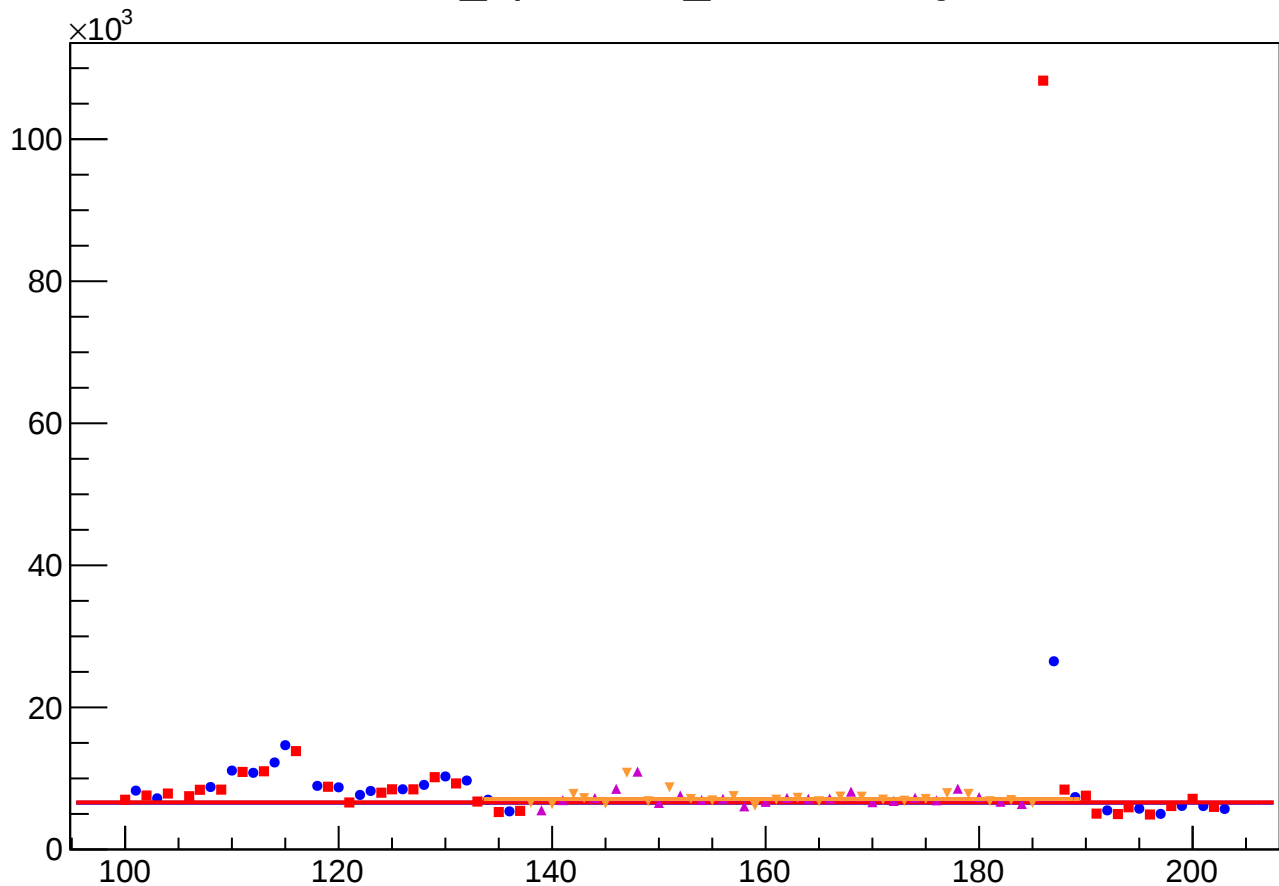
Left In: 1.479 $\pm$ 1.710 χ^2 /NDF:36.7/22

+ sign 2.890 $\pm$ 1.269 χ^2 /NDF: 41.2/49

All: 2.585 $\pm$ 0.898 χ^2 /NDF: 108.7/101

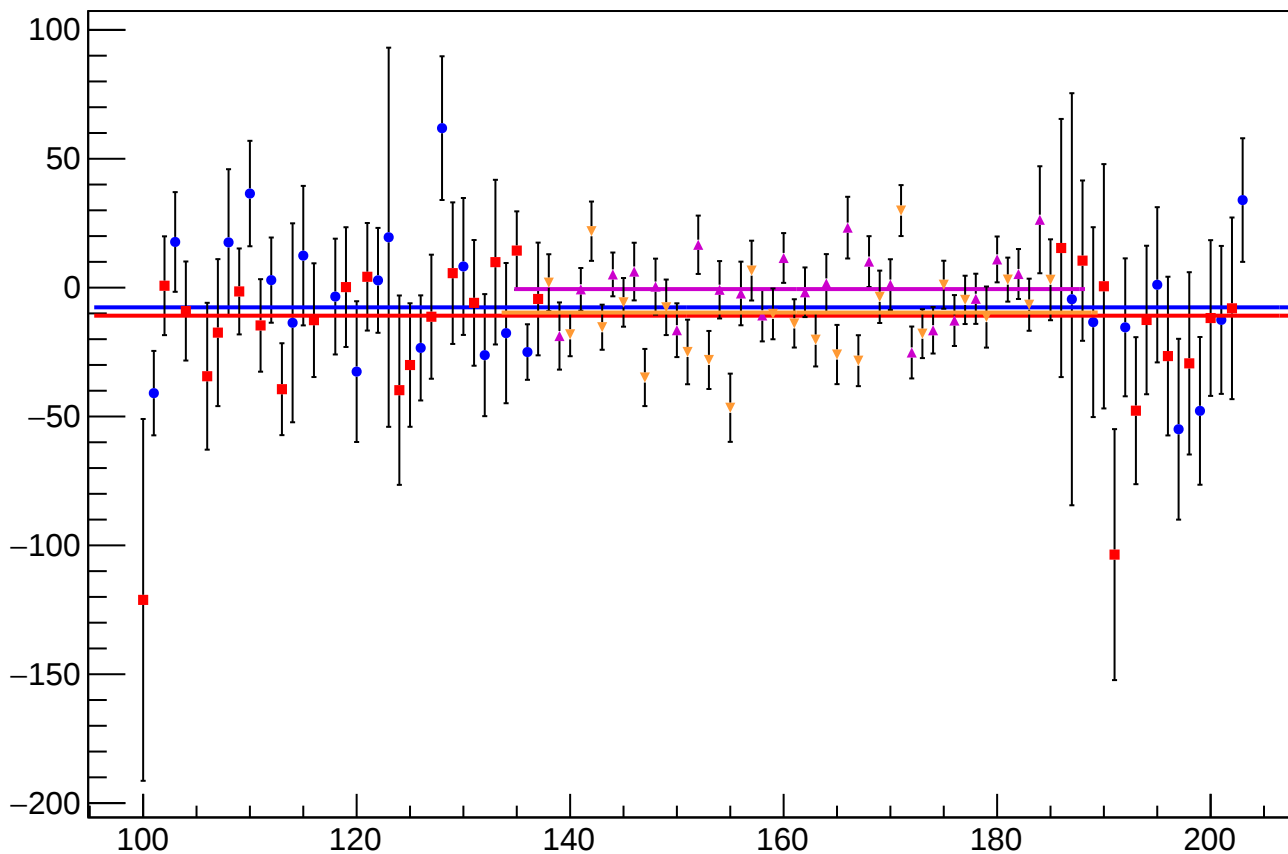
- sign 2.279 $\pm$ 1.271 χ^2 /NDF: 67.4/51

diff_bpm4acY_rms vs Slug



Right In: 6578.639 ± 1.383 $\chi^2/\text{NDF}: 1516954.0/24$ + sign 6878.435 ± 0.897 $\chi^2/\text{NDF}: 1980010.1/49$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 6868.927 ± 0.635 $\chi^2/\text{NDF}: 4648490.8/10$
 Right Out: 6627.376 ± 1.344 $\chi^2/\text{NDF}: 2096877.8/28$ - sign 6859.387 ± 0.899 $\chi^2/\text{NDF}: 2668255.8/51$
 Left In: 7047.269 ± 1.209 $\chi^2/\text{NDF}: 517433.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -7.645 ± 4.618 χ^2/NDF : 31.1/24

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

Right Out: -10.883 ± 4.601 χ^2/NDF : 18.8/28

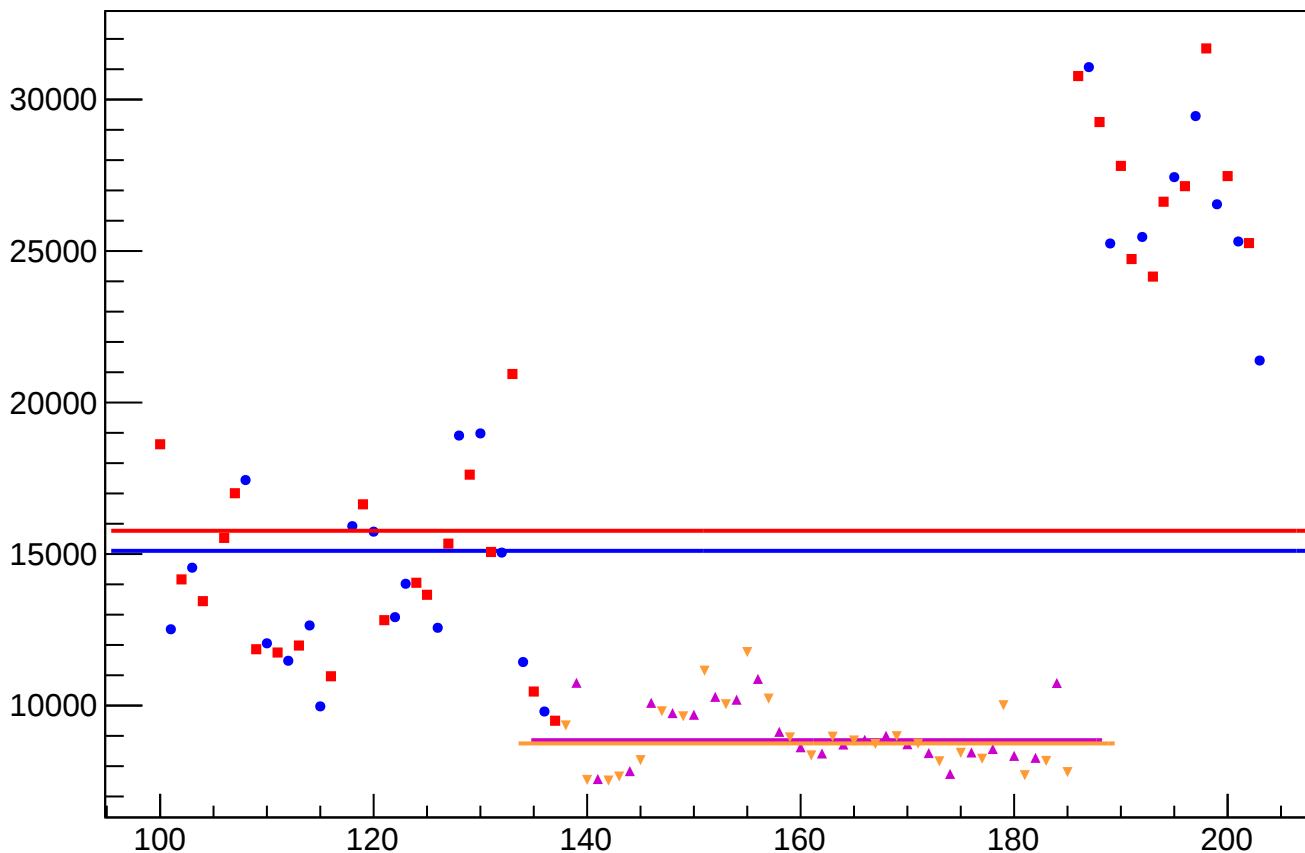
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.334 ± 1.882 χ^2/NDF : 89.1/49

All: -5.980 ± 1.352 χ^2/NDF : 148.4/101

- sign -2.404 ± 1.943 χ^2/NDF : 52.7/51

diff_bpm4ecX_rms vs Slug



Right In: 15106.253+/-3.266 χ^2/NDF : 2854440.0/24

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

Right Out: 15768.337+/-3.253 χ^2/NDF : 3312654.4/28

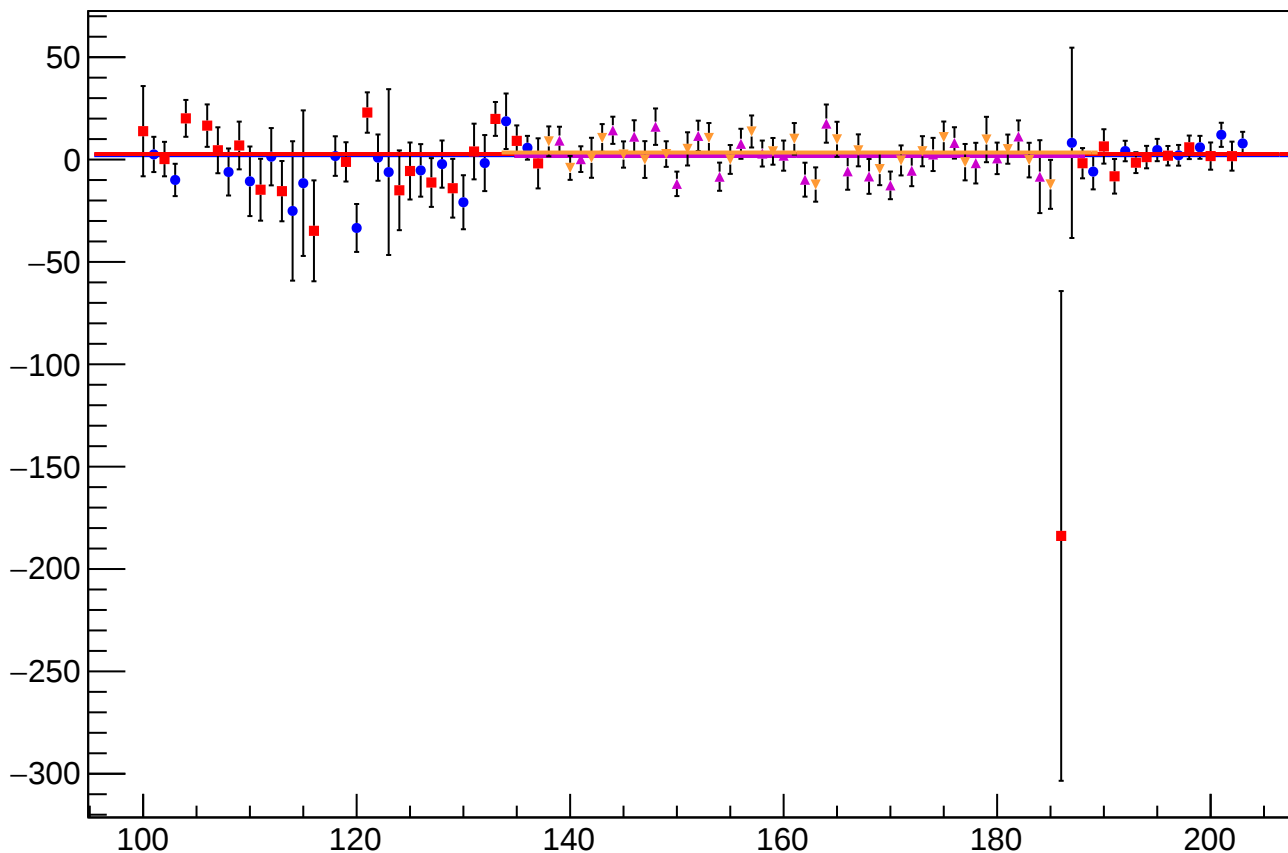
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9805.623+/-1.331 χ^2/NDF : 6477242.3/49

All: 9943.240+/-0.956 χ^2/NDF : 13881366.3/51

- sign 10089.969+/-1.374 χ^2/NDF : 7382024.0/51

diff_bpm4ecY_mean vs Slug



Right In: 2.139 ± 1.686 χ^2/NDF : 24.6/24

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

Right Out: 2.712 ± 1.613 χ^2/NDF : 30.4/28

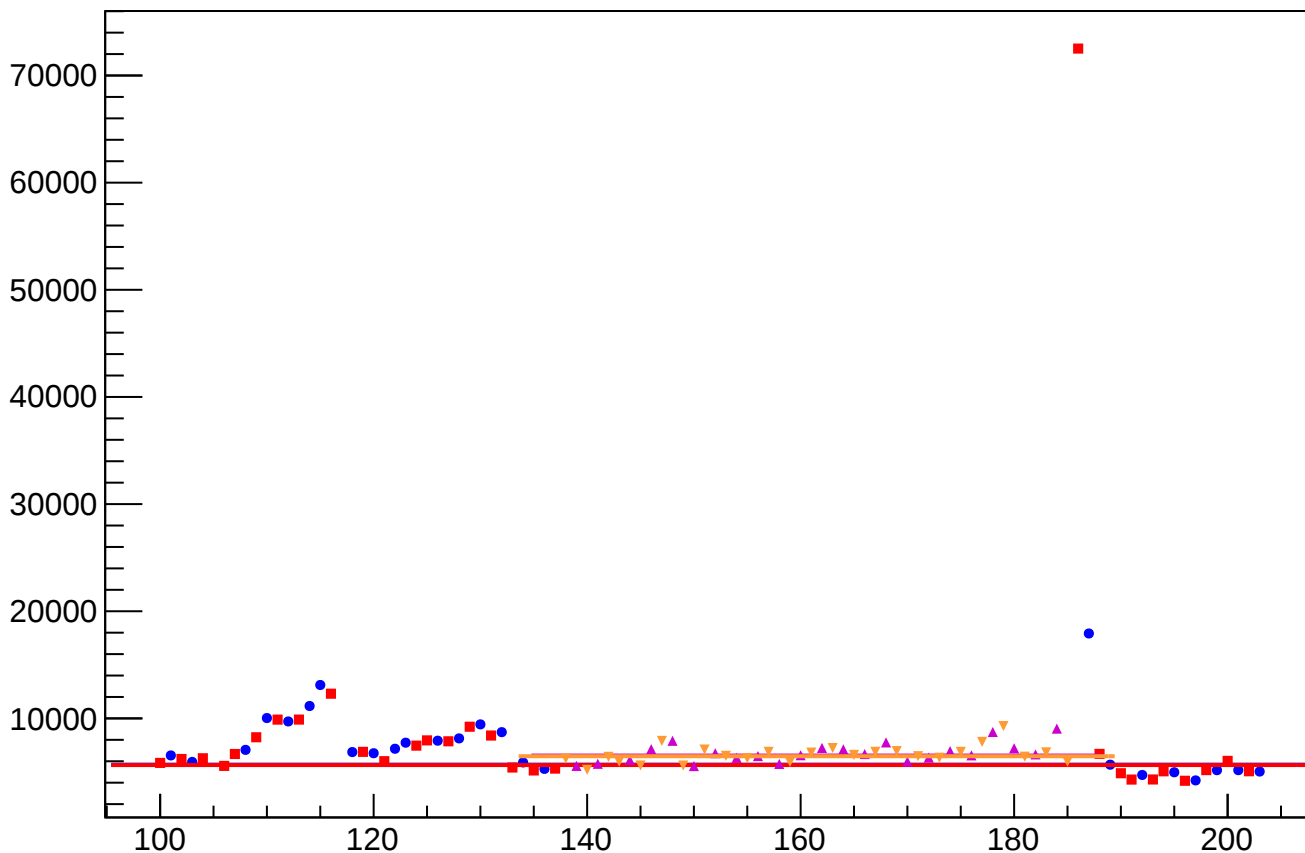
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.850 ± 1.131 χ^2/NDF : 41.1/49

All: 2.533 ± 0.800 χ^2/NDF : 105.5/101

- sign 2.215 ± 1.131 χ^2/NDF : 64.2/51

diff_bpm4ecY_rms vs Slug



Right In: 5682.062 $\pm$ 1.192 χ^2 /NDF: 1467283.2/24

Left Out: 6468.872 $\pm$ 1.079 χ^2 /NDF: 487187.3/24

Right Out: 5645.566 $\pm$ 1.141 χ^2 /NDF: 2119417.7/28

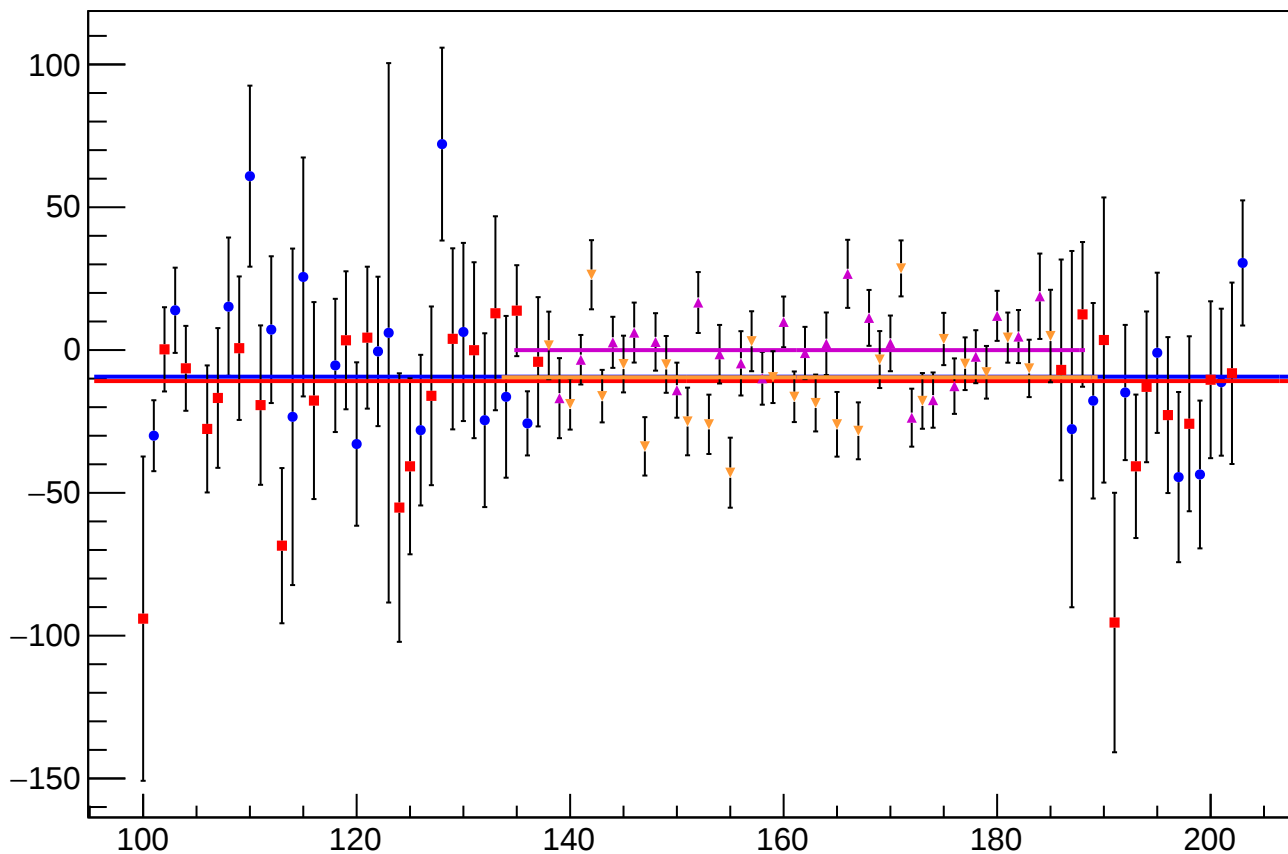
Left In: 6530.954 $\pm$ 1.121 χ^2 /NDF: 464668.6/22

+ sign 6114.665 $\pm$ 0.800 χ^2 /NDF: 2193938.4/49

All: 6105.247 $\pm$ 0.566 χ^2 /NDF: 5084679.1/10

- sign 6095.835 $\pm$ 0.800 χ^2 /NDF: 2890463.6/51

diff_bpm1X_mean vs Slug



Right In: -9.324 ± 4.732 χ^2/NDF : 28.9/24

Left Out: -9.528 ± 2.015 χ^2/NDF : 59.6/24

Right Out: -10.867 ± 4.782 χ^2/NDF : 20.4/28

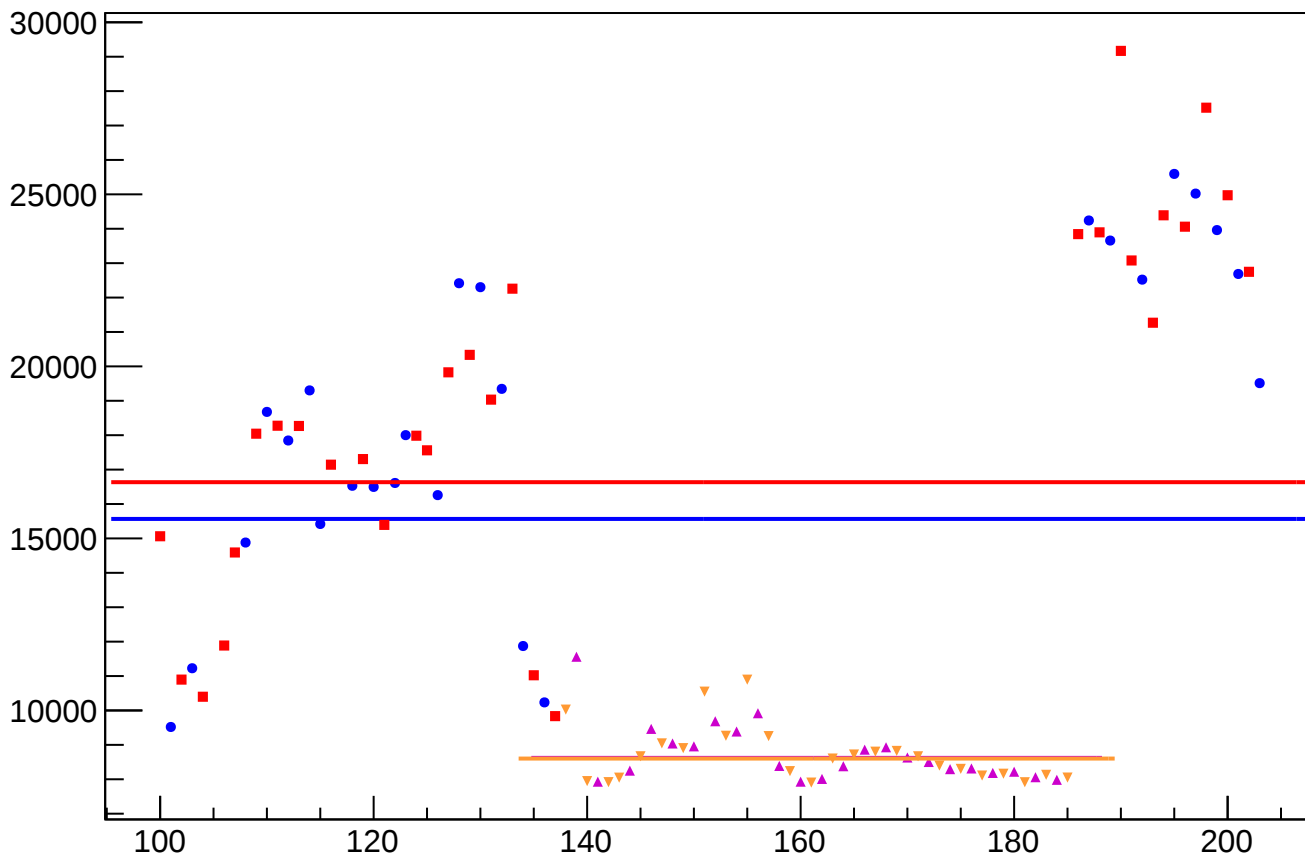
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.497 ± 1.854 χ^2/NDF : 88.4/49

All: -5.733 ± 1.329 χ^2/NDF : 151.5/101

- sign -1.751 ± 1.907 χ^2/NDF : 54.6/51

diff_bpm1X_rms vs Slug



Right In: 15566.403 $\pm$ 3.346 χ^2 /NDF: 2598973.0/24

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

Right Out: 16634.386 $\pm$ 3.382 χ^2 /NDF: 2636160.3/28

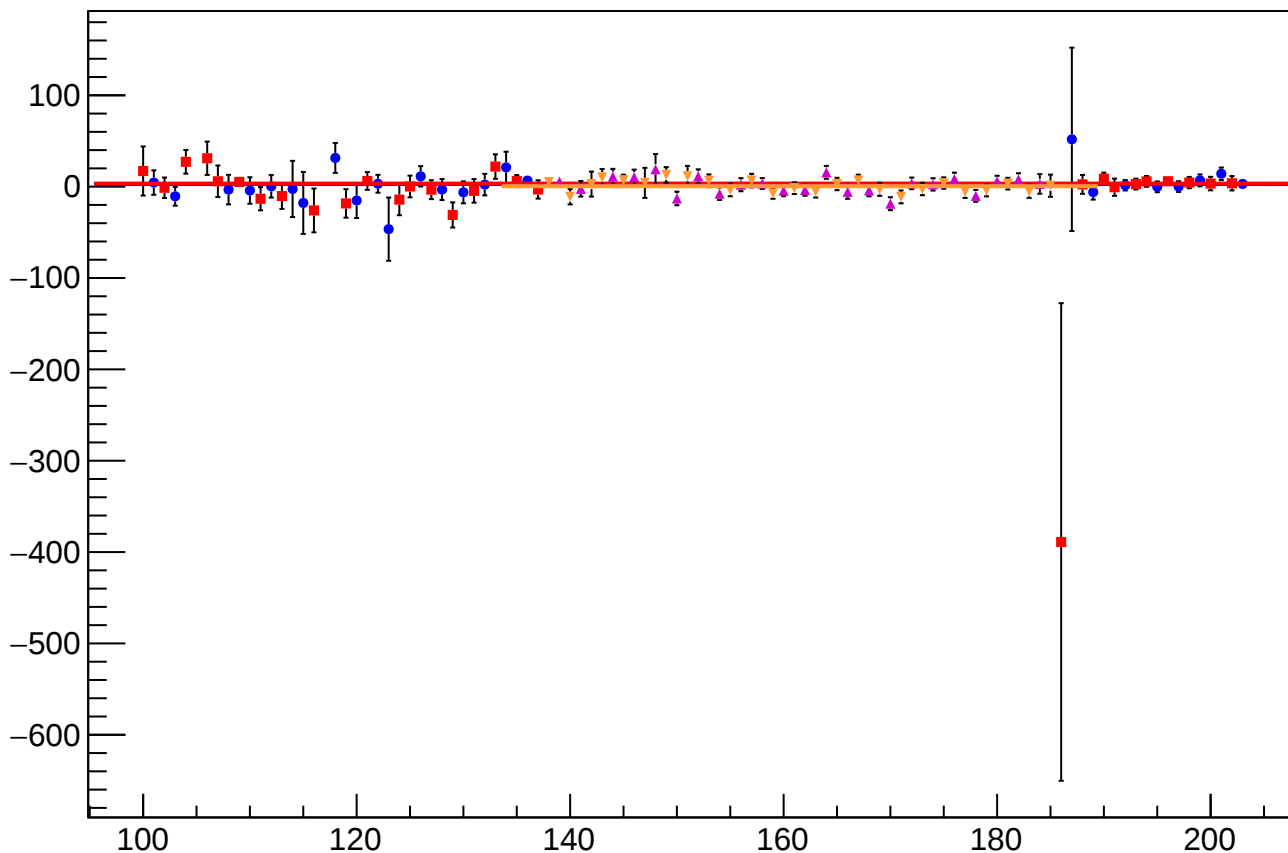
Left In: 8621.975 $\pm$ 1.471 χ^2 /NDF:230824.4/22

+ sign 9671.104 $\pm$ 1.311 χ^2 /NDF: 6514939.1/49

All: 9780.546 $\pm$ 0.940 χ^2 /NDF: 14117195.0/1

- sign 9896.357 $\pm$ 1.349 χ^2 /NDF: 7587913.7/51

diff_bpm1Y_mean vs Slug



Right In: 2.889 ± 1.787 χ^2/NDF : 16.8/24

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

Right Out: 3.348 ± 1.659 χ^2/NDF : 26.7/28

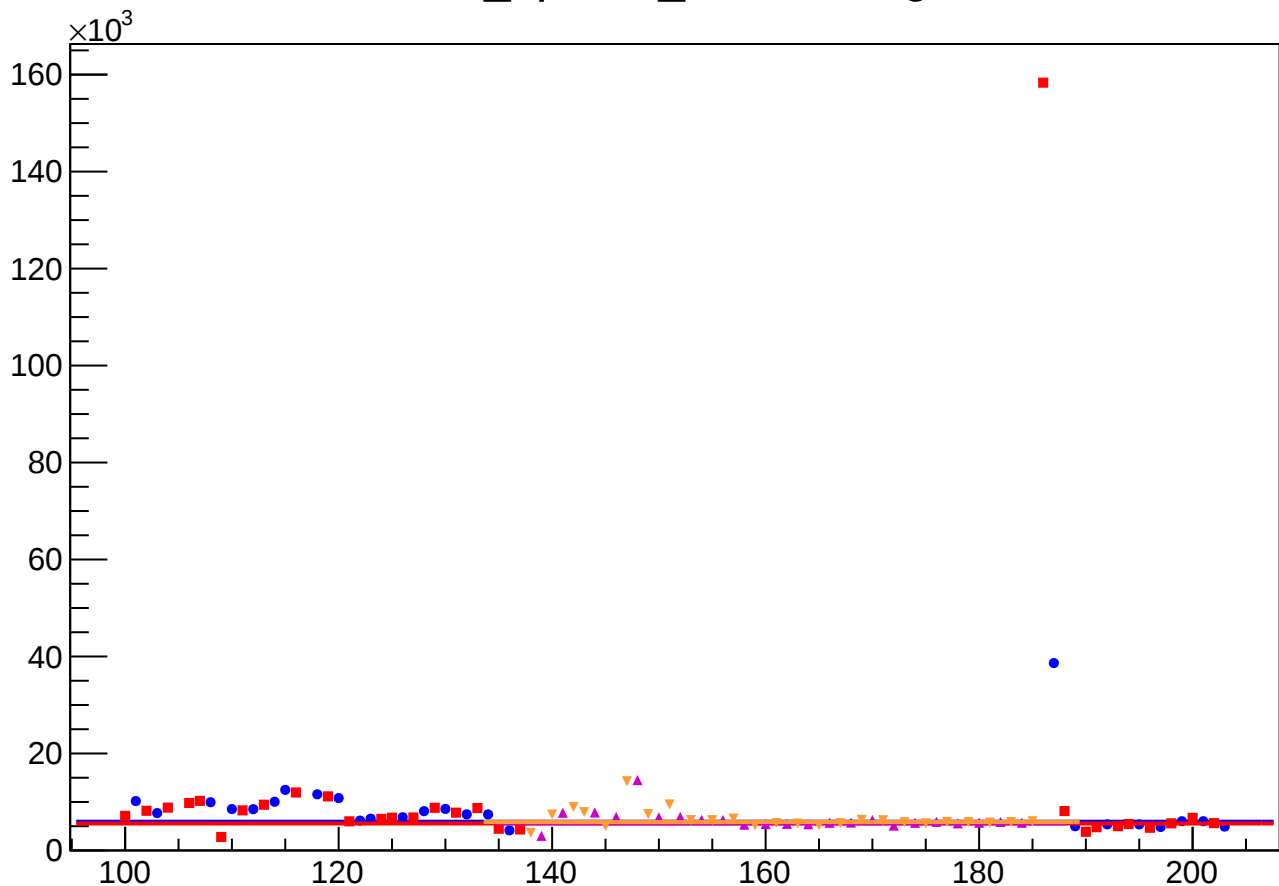
Left In: 1.298 ± 1.406 χ^2/NDF : 33.0/22

+ sign 1.412 ± 1.111 χ^2/NDF : 37.5/49

All: 1.797 ± 0.772 χ^2/NDF : 98.3/101

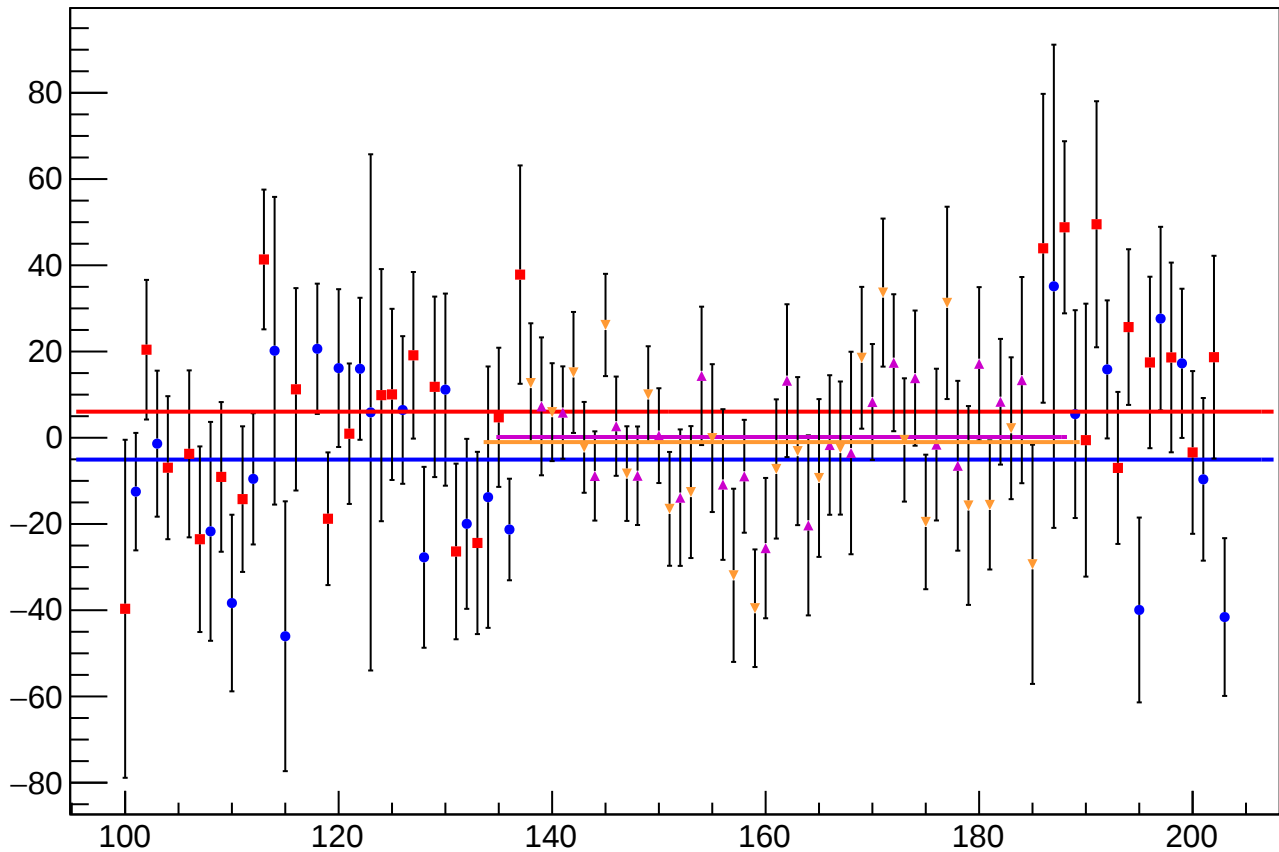
- sign 2.155 ± 1.073 χ^2/NDF : 60.6/51

diff_bpm1Y_rms vs Slug



Right In: 5931.040+/-1.264	χ^2/NDF : 1969630.1/24	+ sign 5886.637+/-0.786	χ^2/NDF : 3662986.7/49
Left Out: 5858.642+/-1.004	χ^2/NDF : 1691344.1/24	All: 5728.417+/-0.546	χ^2/NDF : 9214881.4/10
Right Out: 5559.007+/-1.173	χ^2/NDF : 3383260.6/28	- sign 5581.044+/-0.759	χ^2/NDF : 5473617.2/51
Left In: 5596.879+/-0.994	χ^2/NDF : 2089750.1/22		

diff_bpm11X_mean vs Slug



Right In: -5.062 ± 3.826 χ^2/NDF : 29.4/24

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

Right Out: 6.054 ± 3.699 χ^2/NDF : 32.4/28

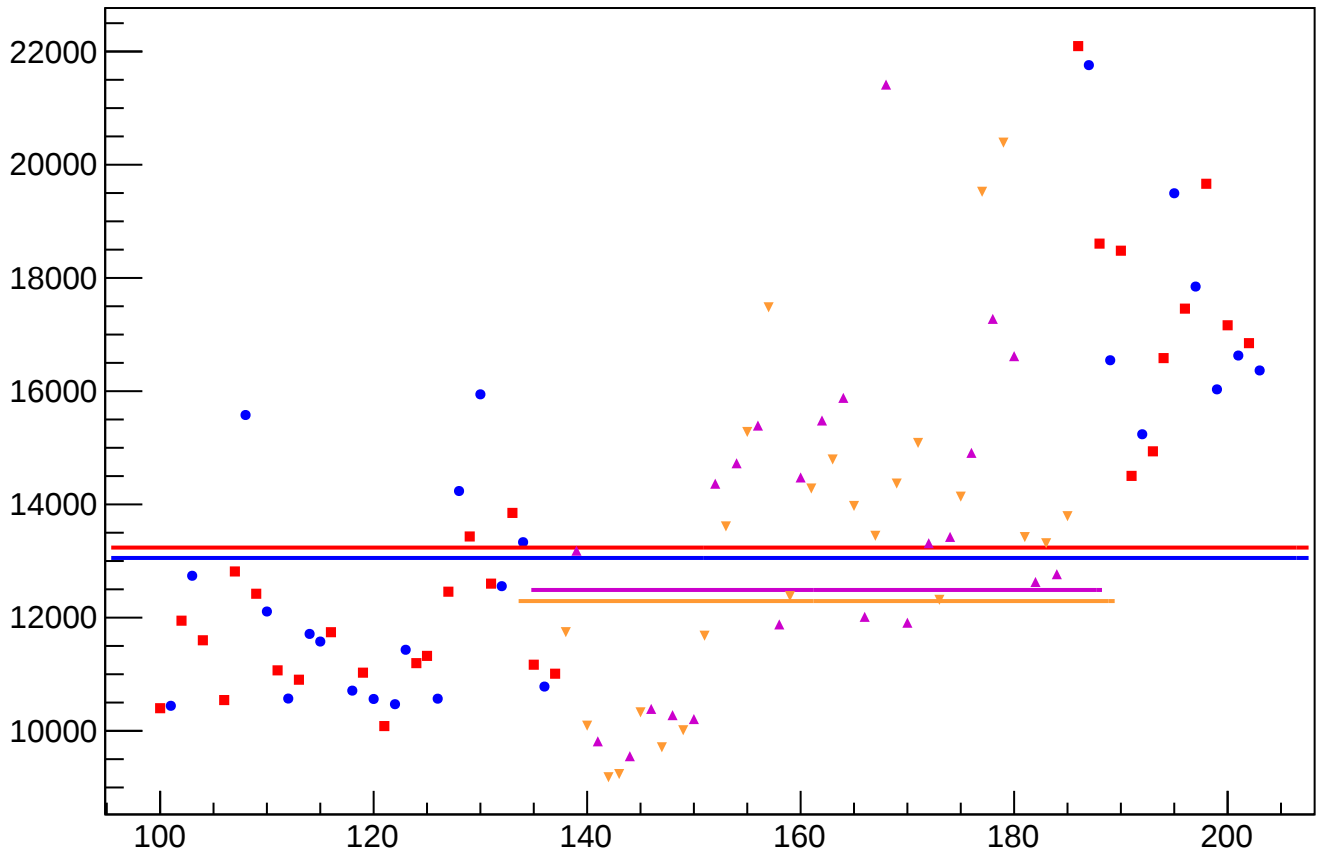
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -2.513 ± 2.332 χ^2/NDF : 63.6/49

All: -0.004 ± 1.659 χ^2/NDF : 112.2/101

- sign 2.569 ± 2.361 χ^2/NDF : 46.3/51

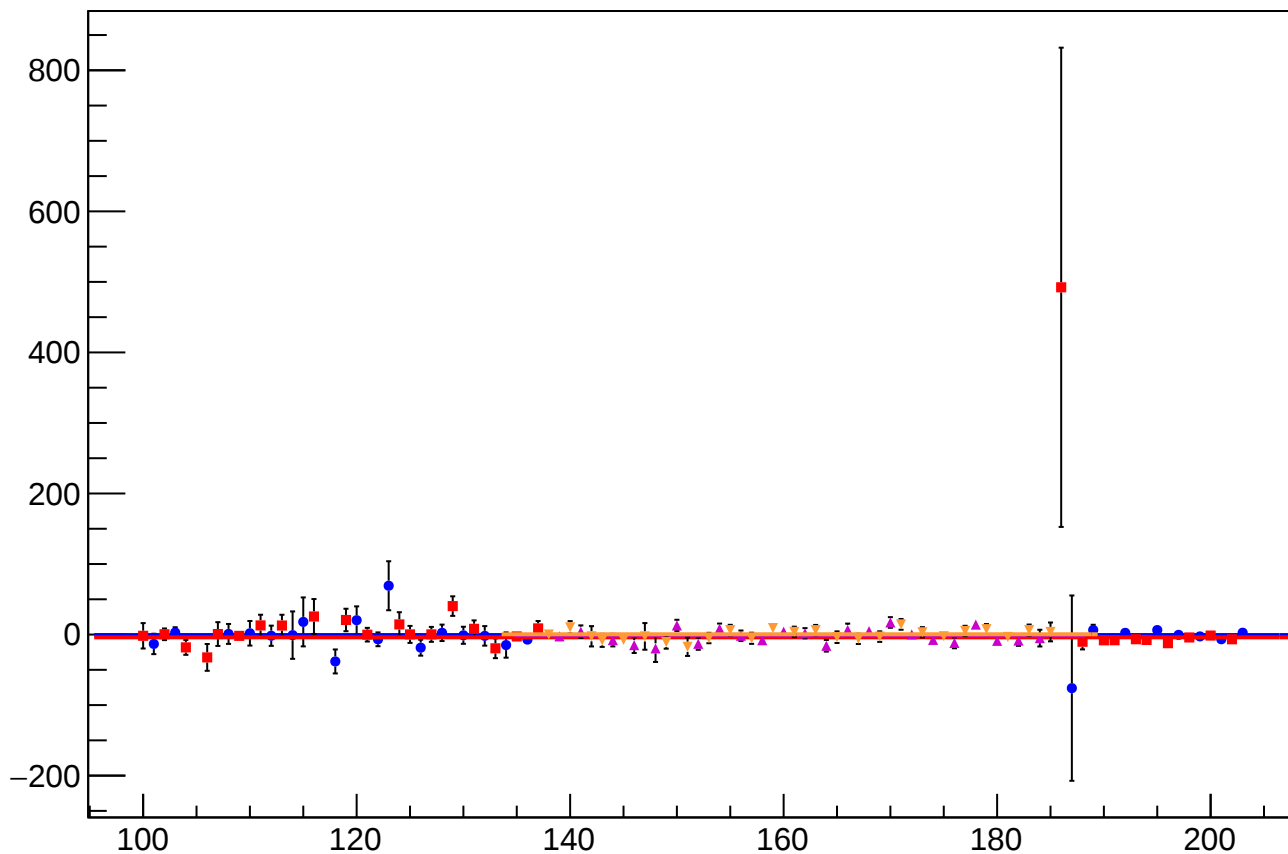
diff_bpm11X_rms vs Slug



Right In: 13054.072 $\pm$ 2.706 χ^2 /NDF: 1058827.5/24
 Left Out: 12292.583 $\pm$ 2.080 χ^2 /NDF:1502548.3/24
 Right Out: 13237.496 $\pm$ 2.615 χ^2 /NDF: 1176705.8/28
 Left In: 12488.821 $\pm$ 2.169 χ^2 /NDF:1354485.4/22

+ sign 12575.448 $\pm$ 1.649 χ^2 /NDF: 2611162.9/49
 All: 12683.319 $\pm$ 1.173 χ^2 /NDF: 5199572.4/1
 - sign 12793.887 $\pm$ 1.670 χ^2 /NDF: 2579744.3/51

diff_bpm11Y_mean vs Slug



Right In: -0.723 ± 1.579 χ^2/NDF : 22.4/24

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

Right Out: -3.957 ± 1.498 χ^2/NDF : 33.6/28

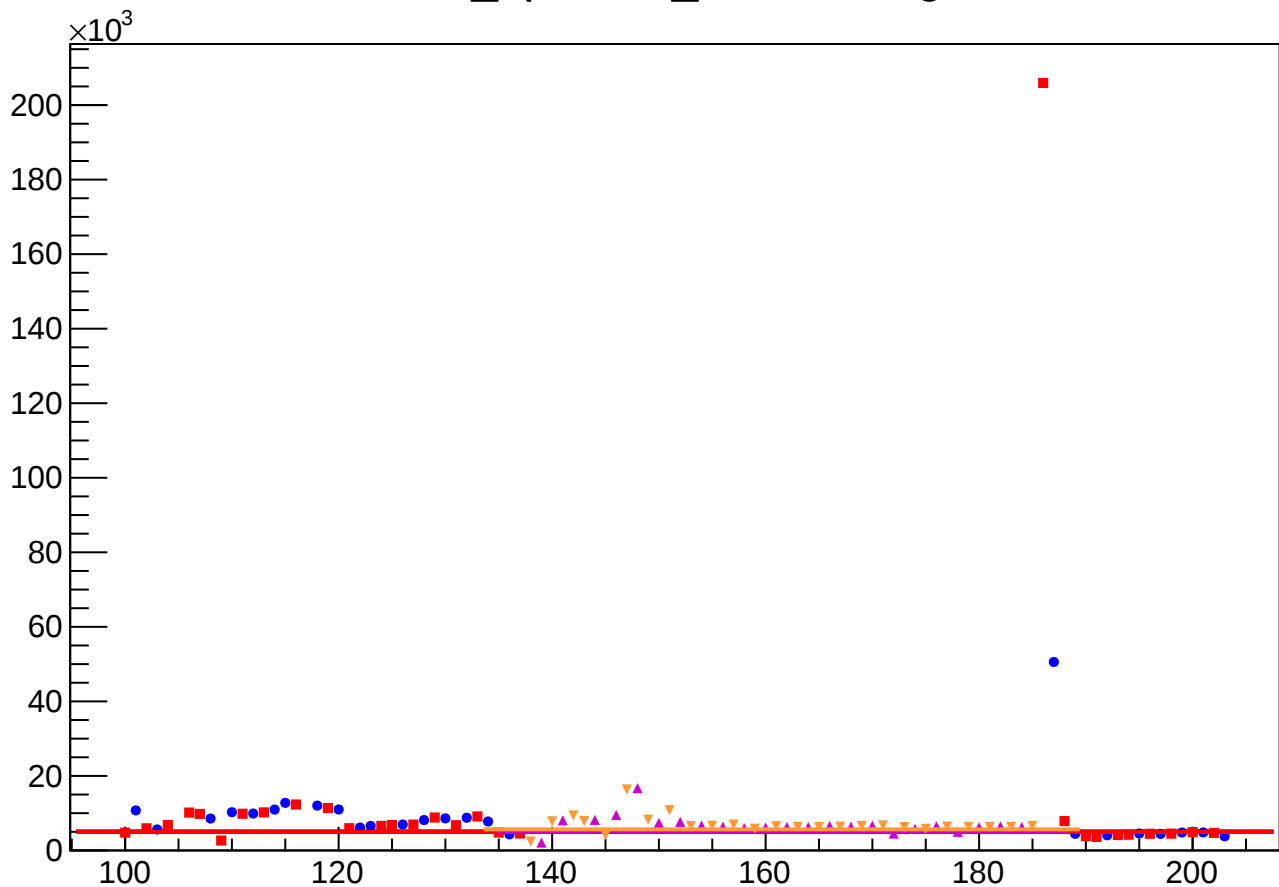
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign -0.102 ± 1.062 χ^2/NDF : 42.0/49

All: -1.359 ± 0.735 χ^2/NDF : 114.0/101

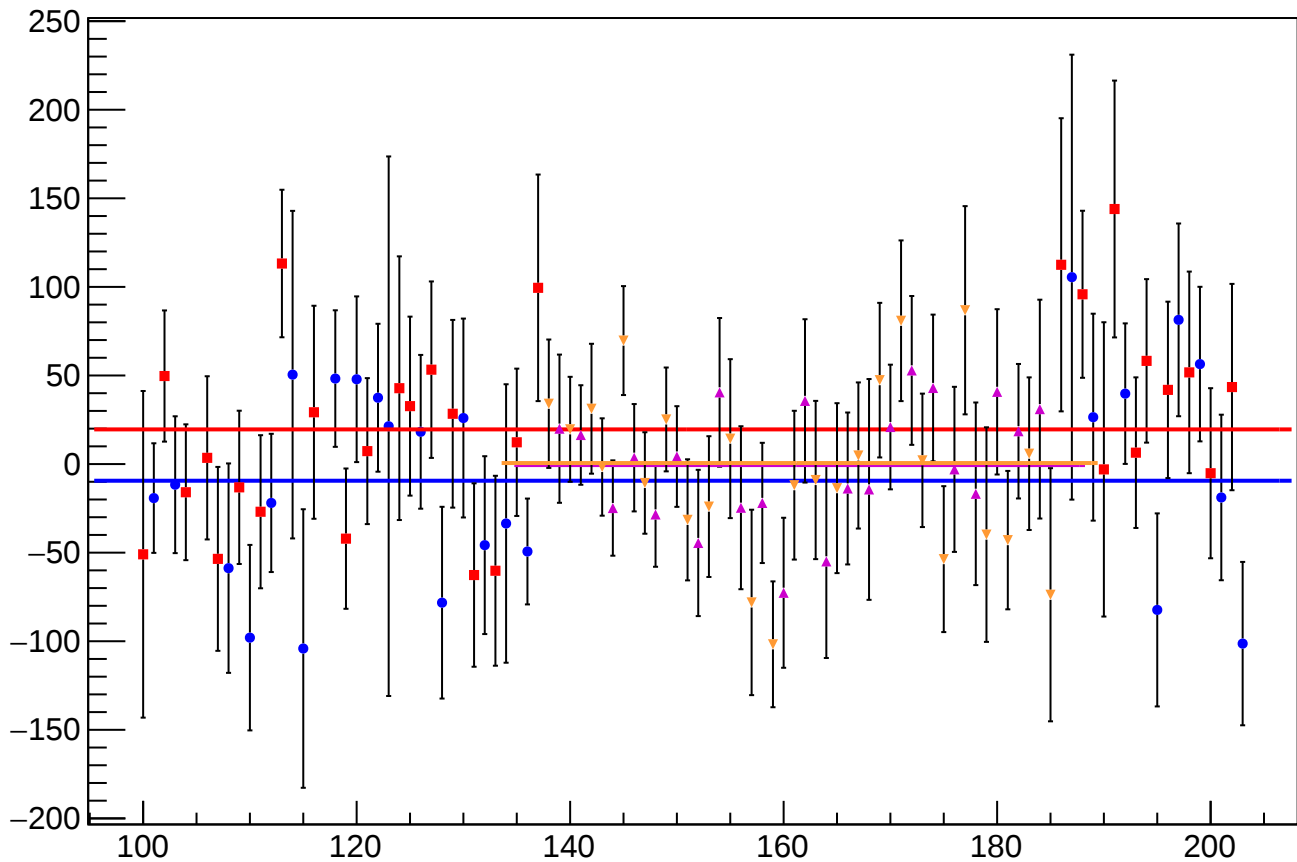
- sign -2.513 ± 1.017 χ^2/NDF : 69.3/51

diff_bpm11Y_rms vs Slug



Right In: 5126.447 ± 1.117 $\chi^2/\text{NDF}: 2752485.5/24$ + sign 5416.364 ± 0.751 $\chi^2/\text{NDF}: 6999660.6/49$
 Left Out: 5655.639 ± 1.014 $\chi^2/\text{NDF}: 4124124.3/24$ All: 5237.454 ± 0.519 $\chi^2/\text{NDF}: 15976233.6/1$
 Right Out: 4947.472 ± 1.060 $\chi^2/\text{NDF}: 3491492.4/28$ - sign 5073.212 ± 0.719 $\chi^2/\text{NDF}: 8867671.7/51$
 Left In: 5180.743 ± 0.980 $\chi^2/\text{NDF}: 5350053.6/22$

diff_bpm12X_mean vs Slug



Right In: -9.404 ± 9.517 χ^2/NDF : 29.1/24

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

Right Out: 19.569 ± 9.208 χ^2/NDF : 29.2/28

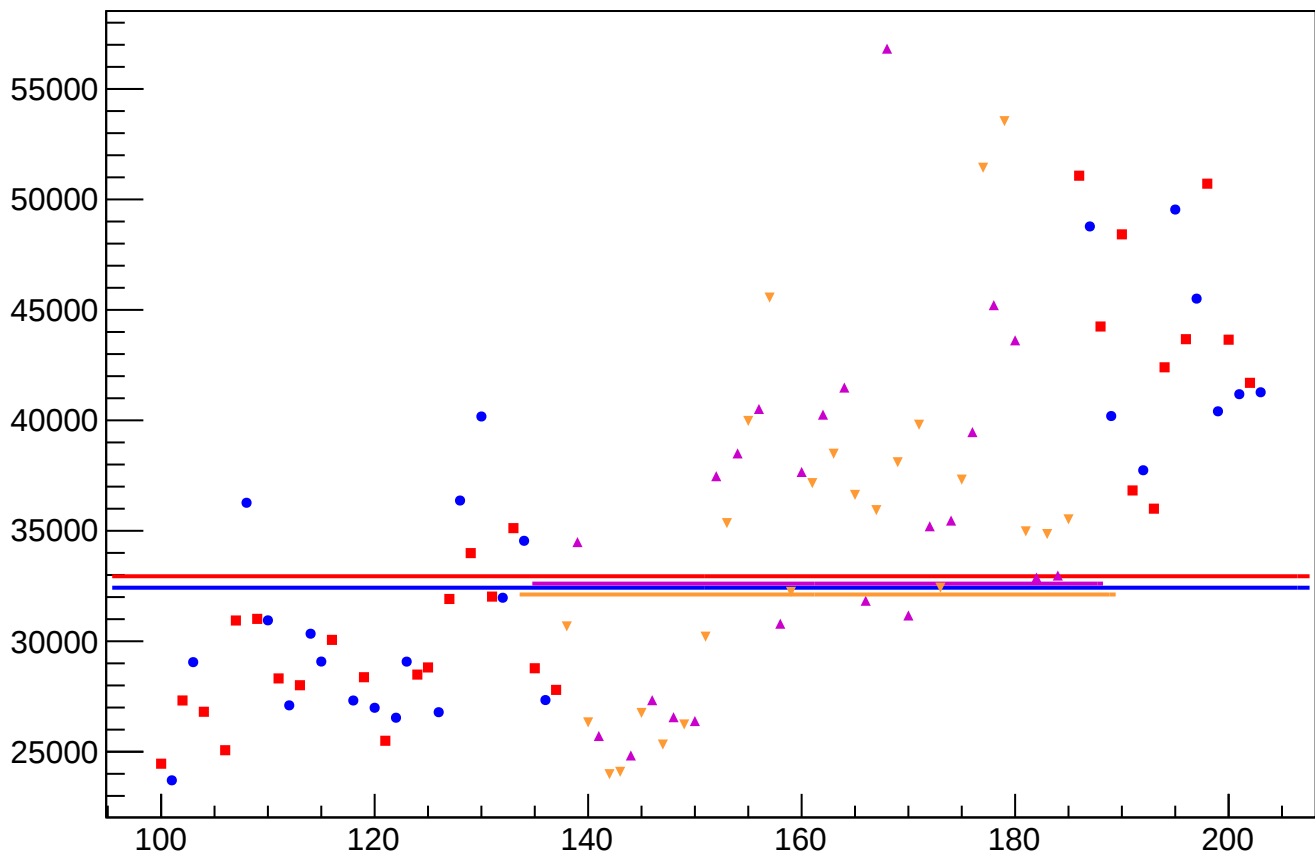
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -3.364 ± 5.982 χ^2/NDF : 60.8/49

All: 2.314 ± 4.252 χ^2/NDF : 108.8/101

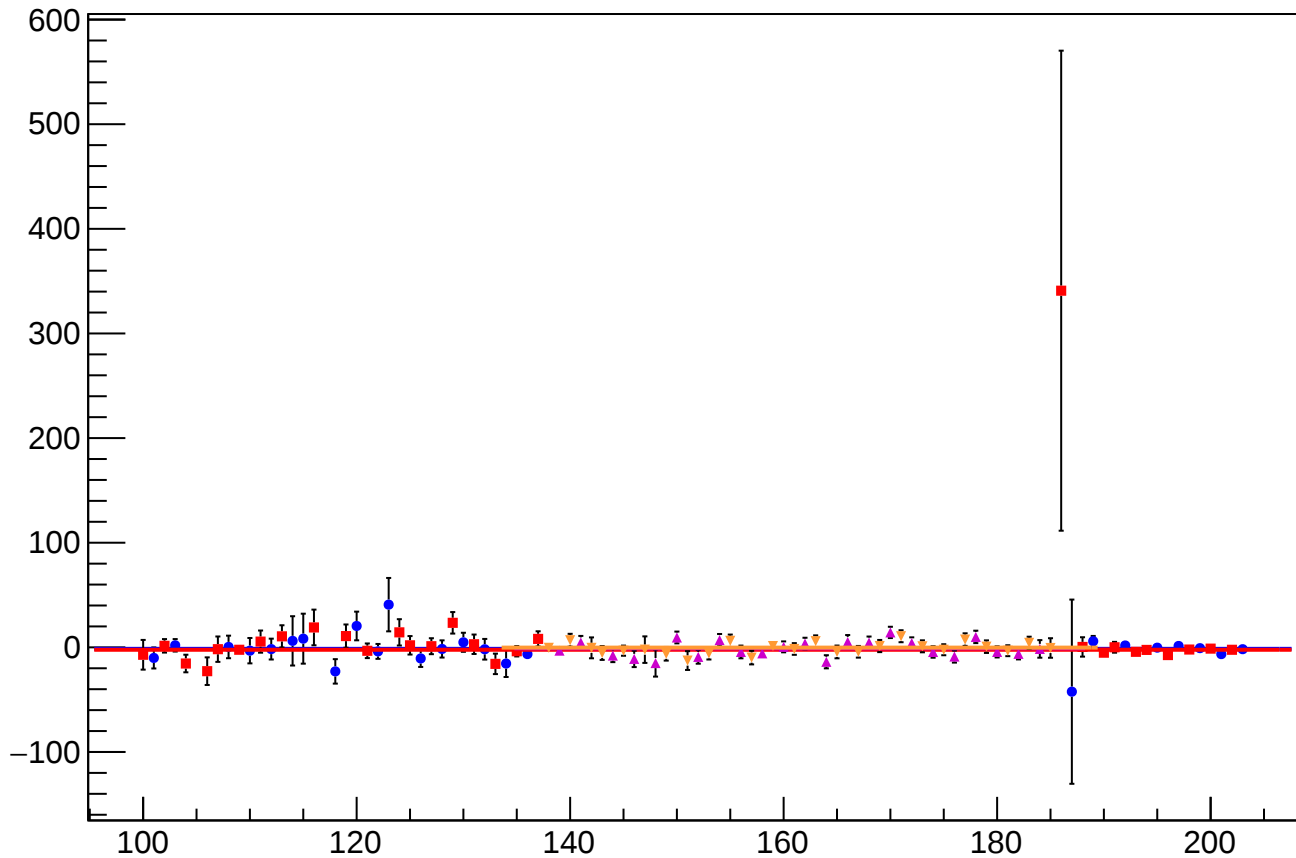
- sign 8.113 ± 6.045 χ^2/NDF : 46.2/51

diff_bpm12X_rms vs Slug



Right In: 32424.044+/-6.729	$\chi^2/\text{NDF}: 1100401.6/24$	+ sign 32238.407+/-4.230	$\chi^2/\text{NDF}: 2638399.5/49$
Left Out: 32117.184+/-5.438	$\chi^2/\text{NDF}: 1536740.0/24$	All: 32493.222+/-3.007	$\chi^2/\text{NDF}: 5245477.7/100$
Right Out: 32942.779+/-6.511	$\chi^2/\text{NDF}: 1199780.6/28$	- sign 32753.497+/-4.275	$\chi^2/\text{NDF}: 2599741.6/51$
Left In: 32610.108+/-5.667	$\chi^2/\text{NDF}: 1398475.8/22$		

diff_bpm12Y_mean vs Slug



Right In: -1.434 ± 1.057 χ^2/NDF : 21.4/24

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

Right Out: -2.314 ± 1.077 χ^2/NDF : 29.1/28

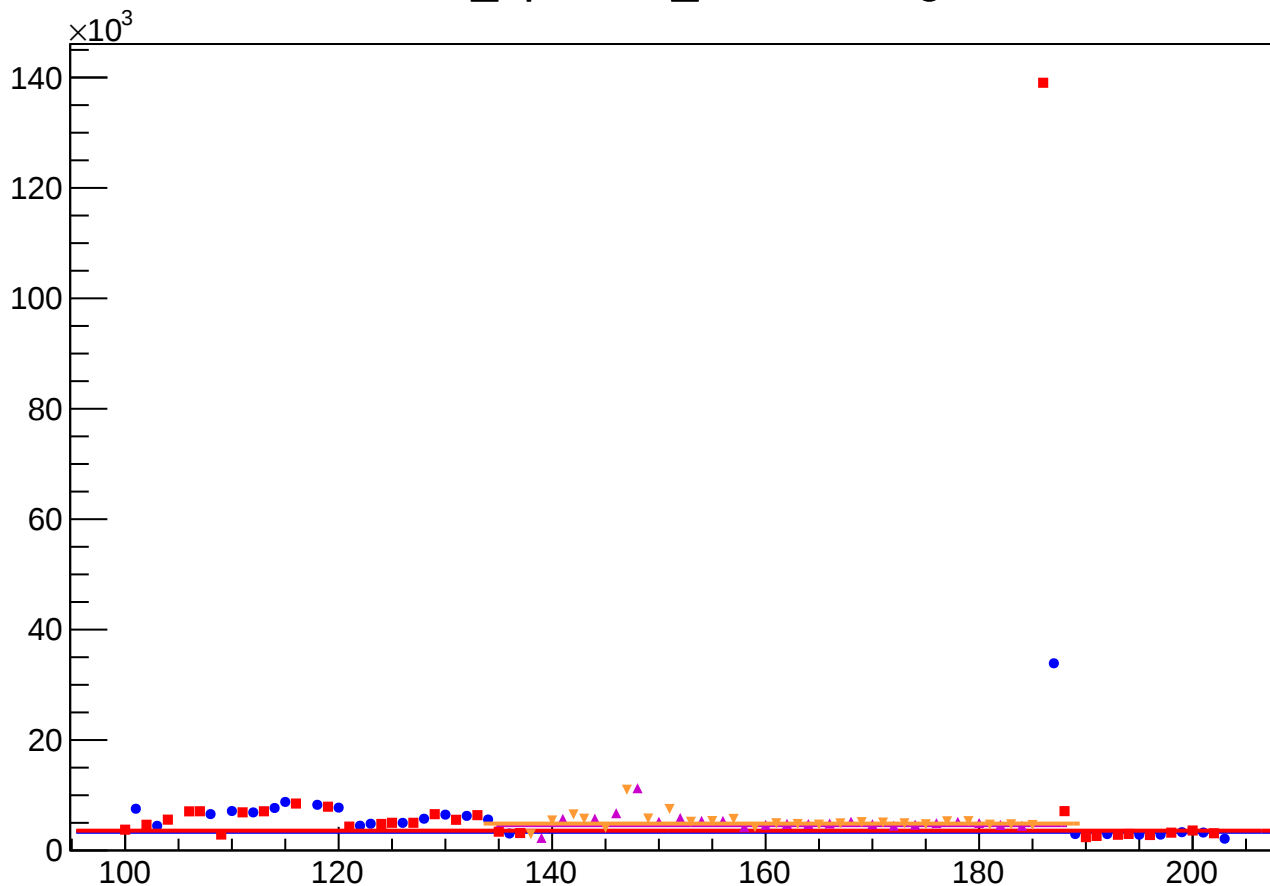
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign -0.905 ± 0.785 χ^2/NDF : 40.0/49

All: -1.286 ± 0.556 χ^2/NDF : 106.4/101

- sign -1.668 ± 0.787 χ^2/NDF : 65.9/51

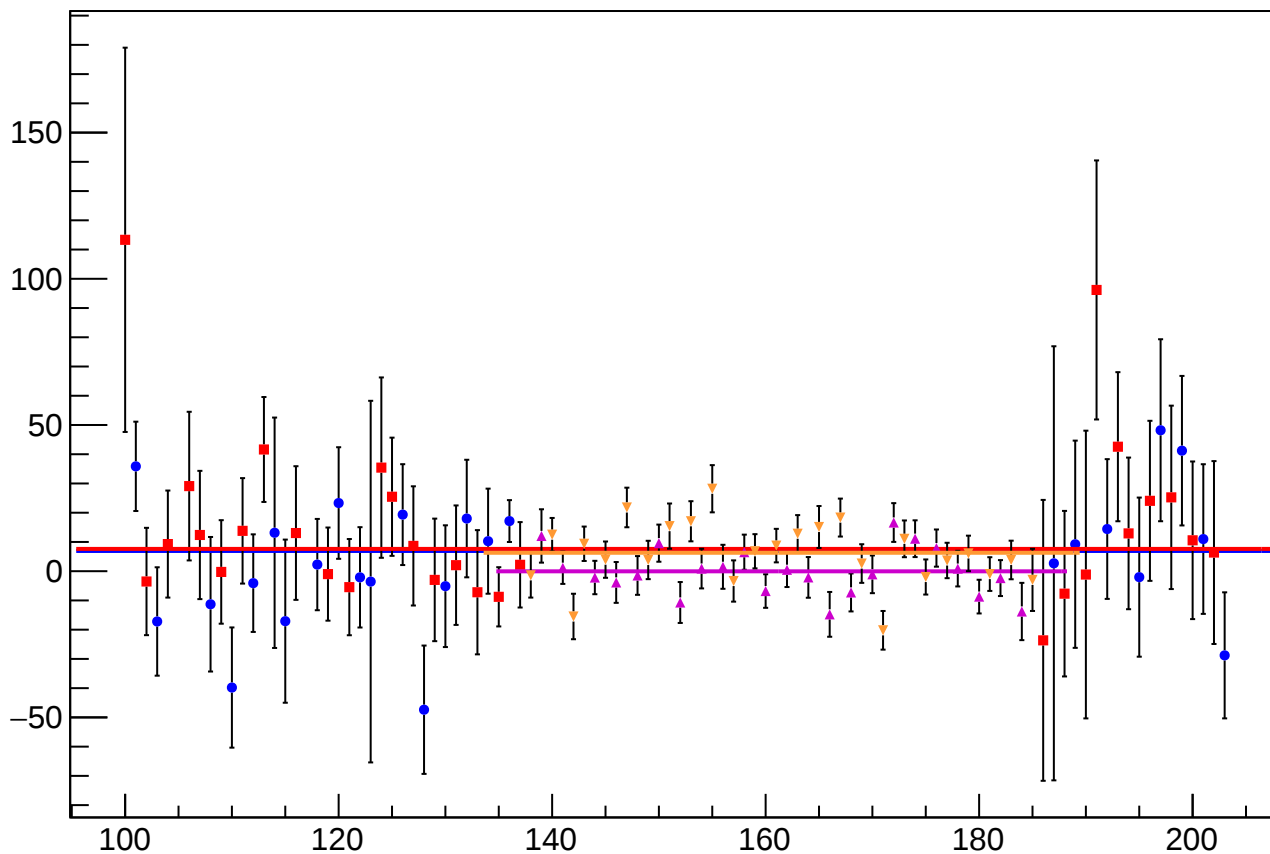
diff_bpm12Y_rms vs Slug



Right In: 3373.892 ± 0.748 χ^2/NDF : 3459677.0/24
 Left Out: 4866.528 ± 0.829 χ^2/NDF : 1511486.2/24
 Right Out: 3584.748 ± 0.762 χ^2/NDF : 3553926.4/28
 Left In: 4582.193 ± 0.816 χ^2/NDF : 2478681.0/22

+ sign 4042.978 ± 0.555 χ^2/NDF : 6758353.5/49
 All: 4046.097 ± 0.393 χ^2/NDF : 13589809.6/100
 - sign 4049.231 ± 0.557 χ^2/NDF : 6831392.8/51

diff_bpm16X_mean vs Slug



Right In: 6.922 ± 3.763 $\chi^2/\text{NDF}: 29.3/24$

Left Out: 6.302 ± 1.313 $\chi^2/\text{NDF}: 56.7/24$

Right Out: 7.623 ± 3.882 $\chi^2/\text{NDF}: 21.1/28$

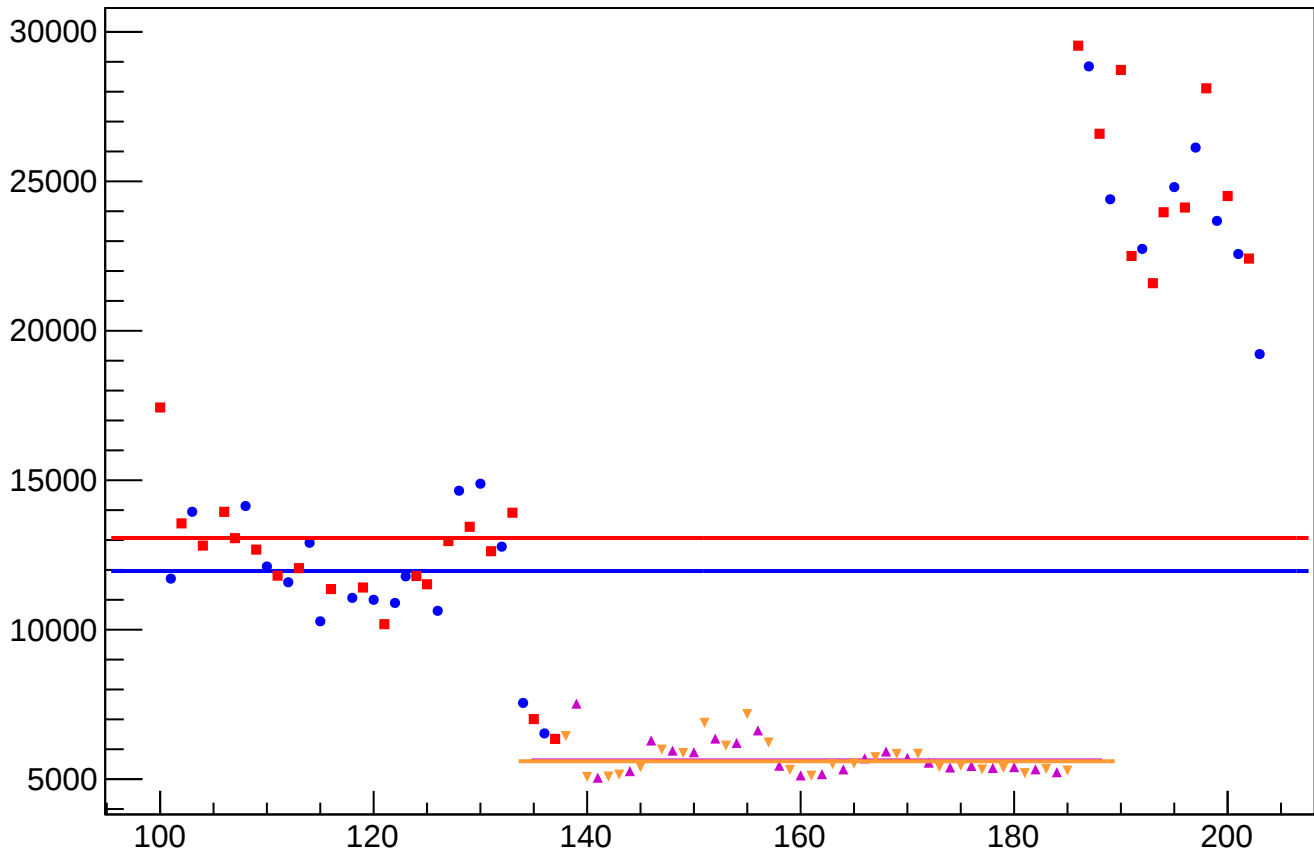
Left In: -0.044 ± 1.358 $\chi^2/\text{NDF}: 30.0/22$

+ sign 6.369 ± 1.239 $\chi^2/\text{NDF}: 86.0/49$

All: 3.674 ± 0.891 $\chi^2/\text{NDF}: 150.4/101$

- sign 0.791 ± 1.282 $\chi^2/\text{NDF}: 54.6/51$

diff_bpm16X_rms vs Slug



Right In: 11963.016+/-2.661 χ^2/NDF : 4034109.0/24

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

Right Out: 13068.648+/-2.745 χ^2/NDF : 4171558.1/28

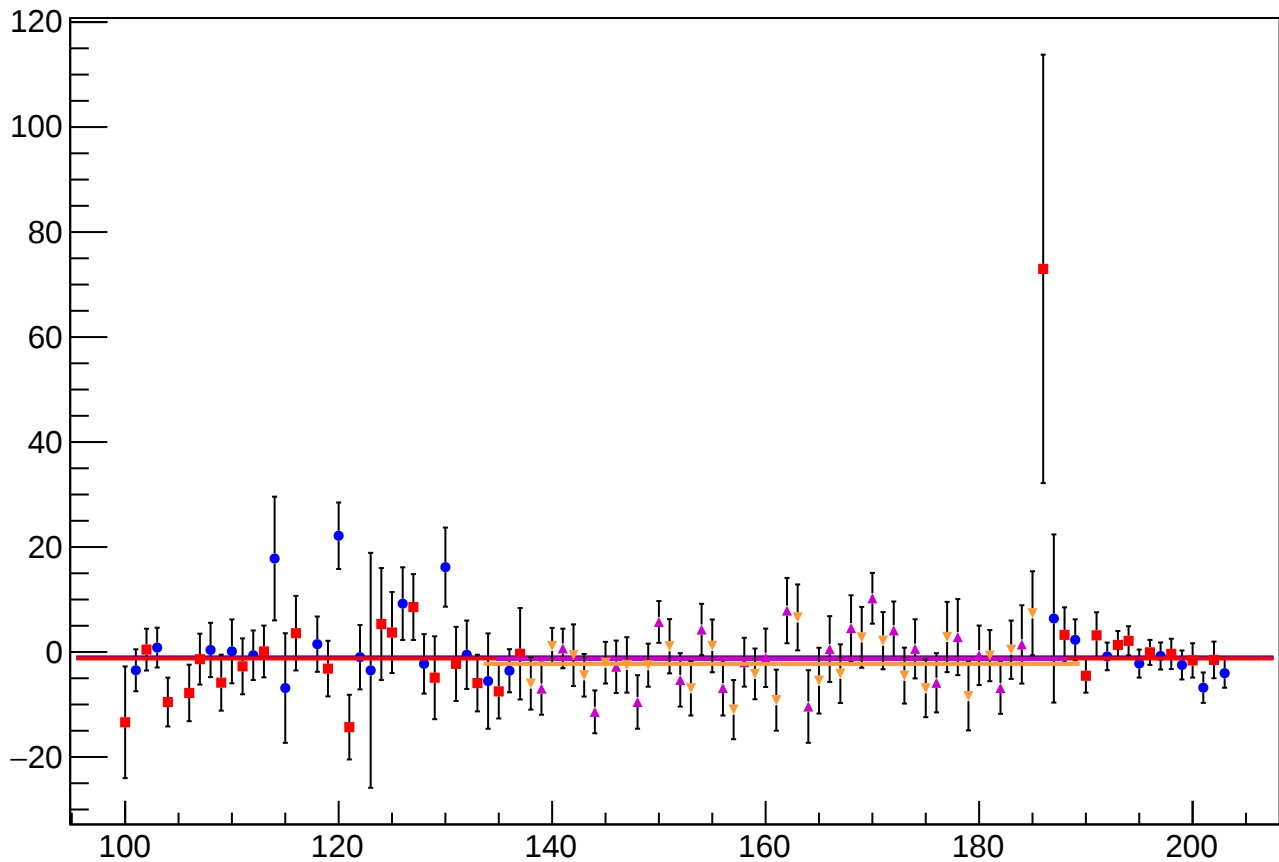
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

+ sign 6289.144+/-0.876 χ^2/NDF : 9417899.1/49

All: 6360.285+/-0.630 χ^2/NDF : 20426652.1/100

- sign 6436.364+/-0.906 χ^2/NDF : 10995114.9/51

diff_bpm16Y_mean vs Slug



Right In: -1.029 ± 0.846 χ^2/NDF : 31.9/24

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

Right Out: -1.227 ± 0.819 χ^2/NDF : 26.7/28

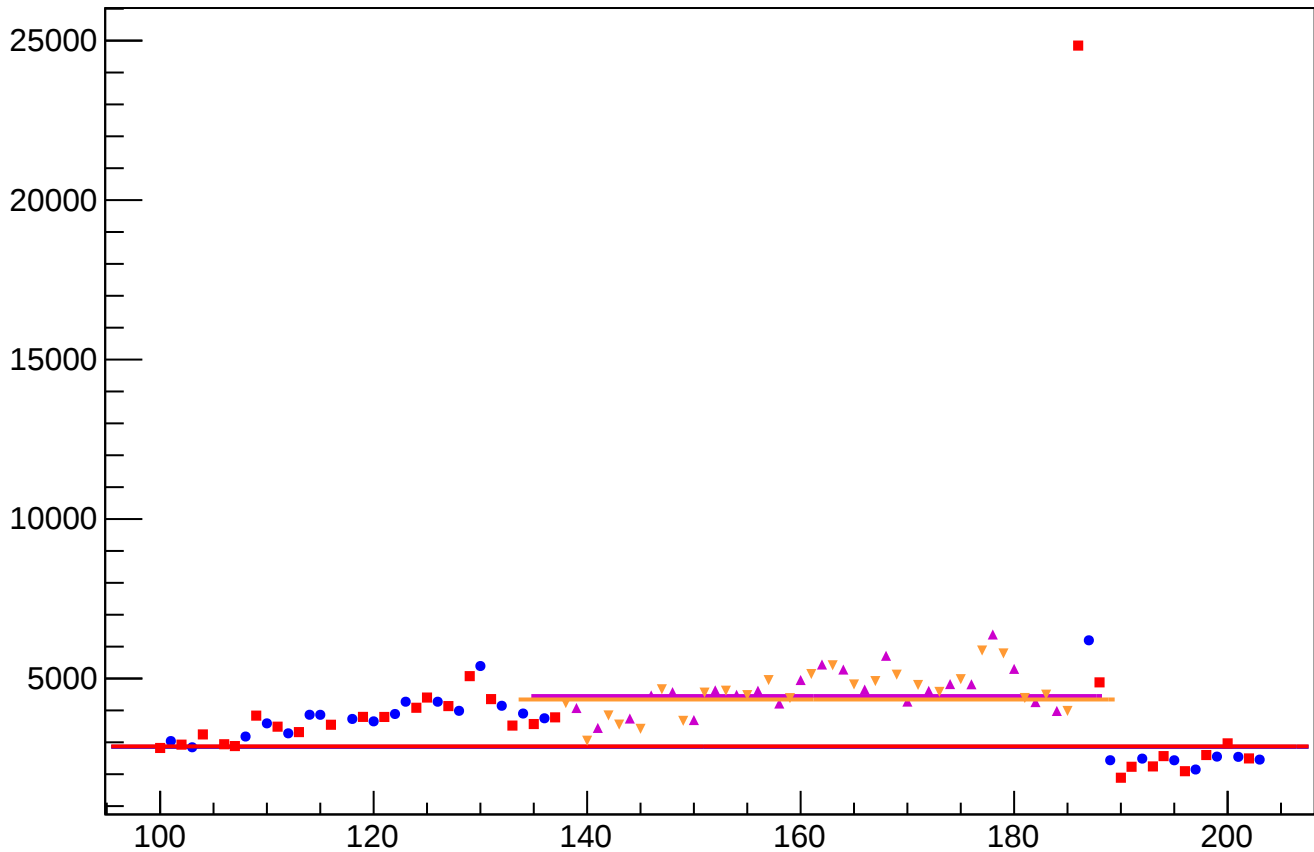
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.526 ± 0.654 χ^2/NDF : 48.2/49

All: -1.395 ± 0.462 χ^2/NDF : 105.6/101

- sign -1.264 ± 0.653 χ^2/NDF : 57.3/51

diff_bpm16Y_rms vs Slug



Right In: 2858.774 $\pm$ 0.598 χ^2 /NDF: 1271453.7/24

Left Out: 4342.635 $\pm$ 0.728 χ^2 /NDF: 993035.5/24

Right Out: 2872.238 $\pm$ 0.579 χ^2 /NDF: 2257230.7/28

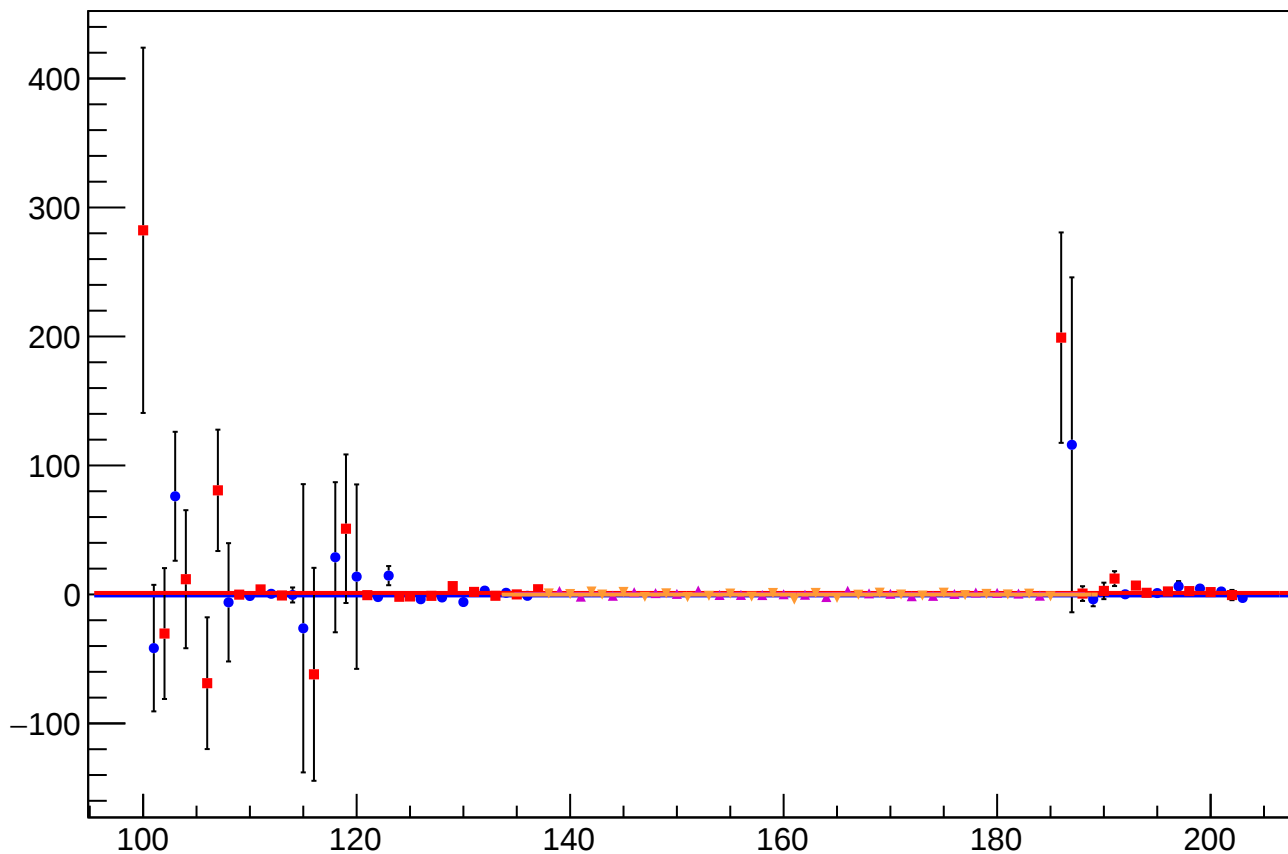
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF: 693229.8/22

+ sign 3456.480 $\pm$ 0.462 χ^2 /NDF: 4742694.1/49

All: 3451.900 $\pm$ 0.327 χ^2 /NDF: 10395901.9/103

- sign 3447.327 $\pm$ 0.462 χ^2 /NDF: 5653011.7/51

diff_bpm1p02bX_mean vs Slug



Right In: -0.772 ± 0.651 χ^2/NDF : 25.9/24

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

Right Out: 1.158 ± 0.631 χ^2/NDF : 34.5/28

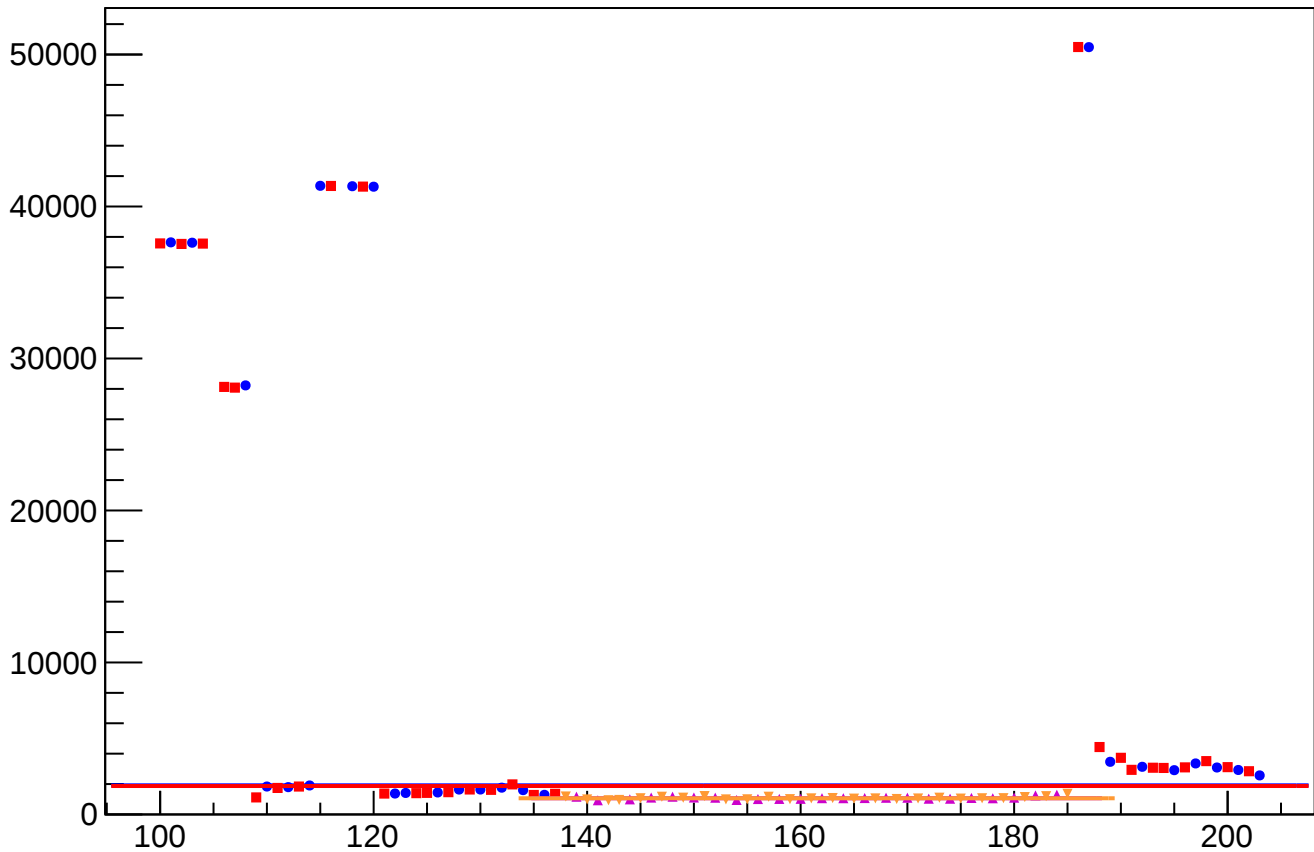
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.179 ± 0.233 χ^2/NDF : 61.3/49

All: 0.098 ± 0.166 χ^2/NDF : 127.6/101

- sign 0.387 ± 0.238 χ^2/NDF : 63.5/51

diff_bpm1p02bX_rms vs Slug



Right In: 1915.275 ± 0.460 χ^2/NDF : 6903248.8/24

Left Out: 1064.701 ± 0.176 χ^2/NDF : 186511.5/24

Right Out: 1871.203 ± 0.446 χ^2/NDF : 8253344.3/28

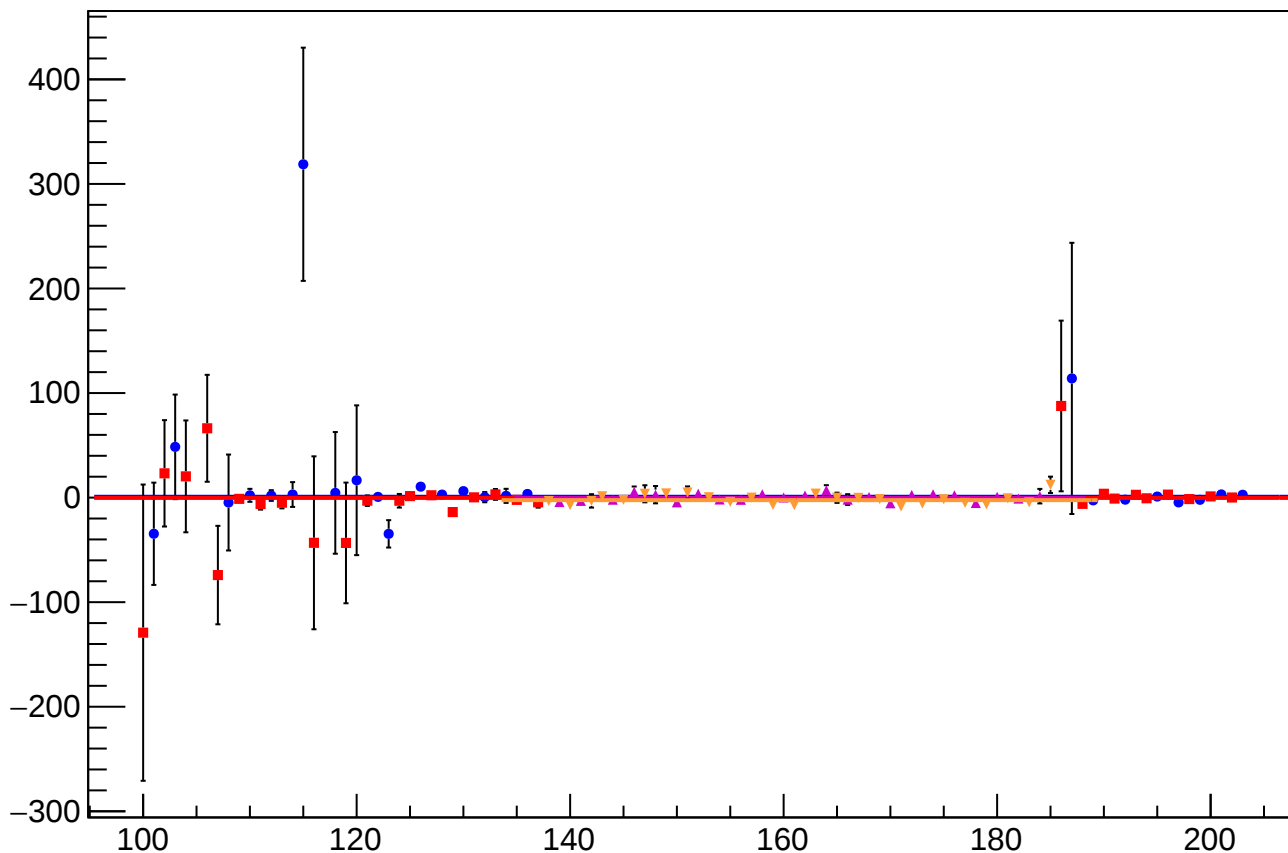
Left In: 1066.255 ± 0.182 χ^2/NDF : 164232.1/22

+ sign 1173.333 ± 0.164 χ^2/NDF : 10069287.8/49

All: 1177.012 ± 0.118 χ^2/NDF : 21282144.3/31

- sign 1180.863 ± 0.168 χ^2/NDF : 11211832.4/51

diff_bpm1p02bY_mean vs Slug



Right In: 0.809 ± 0.703 χ^2/NDF : 38.4/24

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

Right Out: -0.282 ± 0.718 χ^2/NDF : 28.1/28

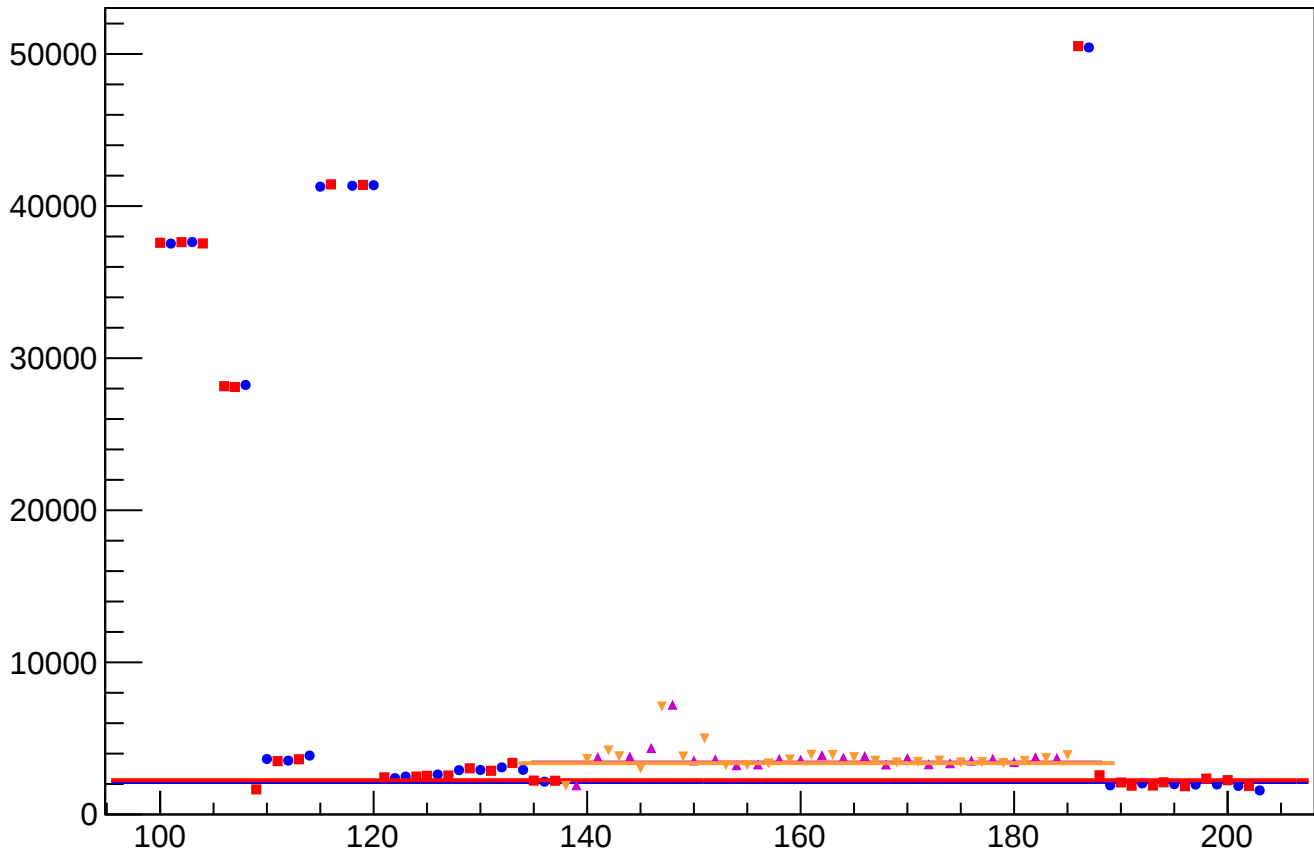
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -0.578 ± 0.531 χ^2/NDF : 68.7/49

All: -0.472 ± 0.381 χ^2/NDF : 112.4/101

- sign -0.360 ± 0.547 χ^2/NDF : 43.6/51

diff_bpm1p02bY_rms vs Slug



Right In: 2135.634+/-0.497 χ^2/NDF : 5603419.7/24

Left Out: 3372.958+/-0.573 χ^2/NDF :1656864.7/24

Right Out: 2248.510+/-0.508 χ^2/NDF : 5906041.2/28

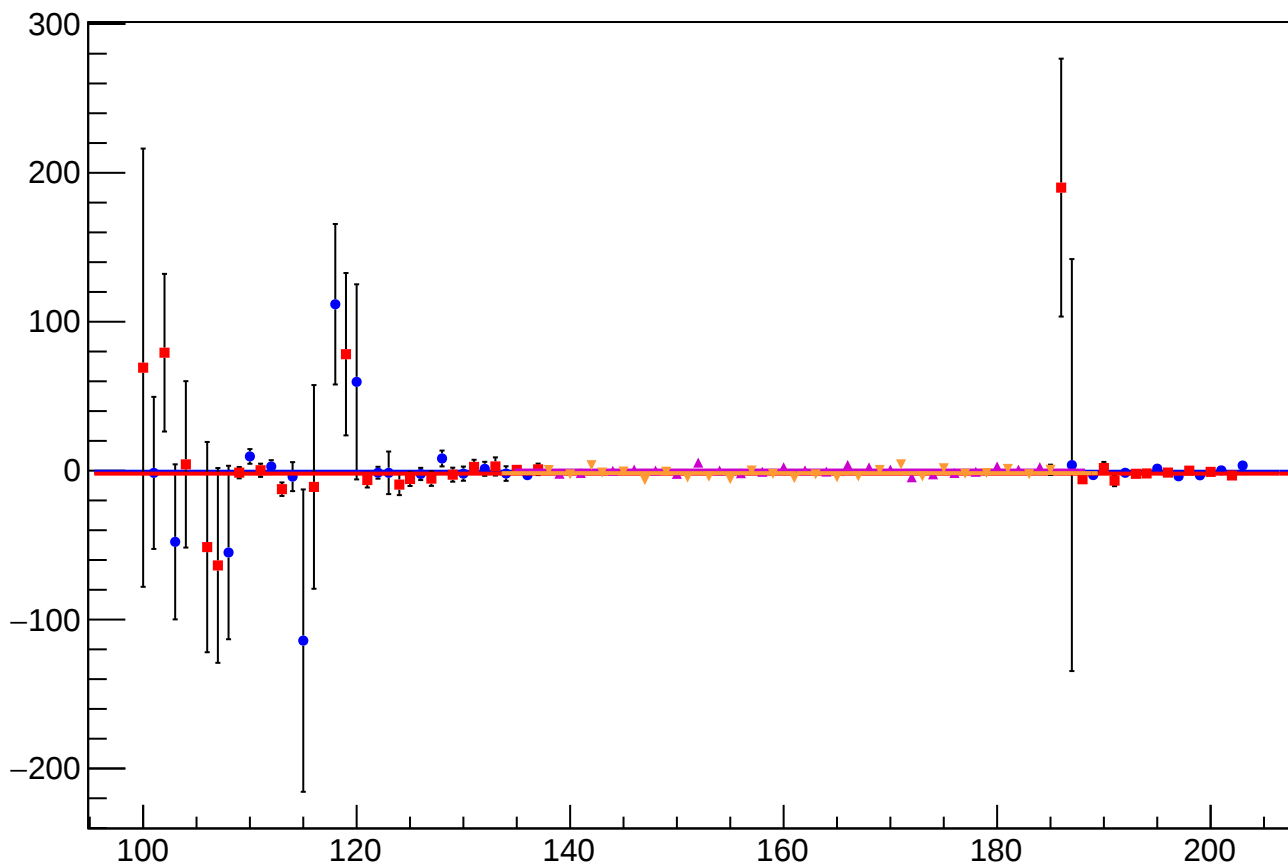
Left In: 3411.924+/-0.596 χ^2/NDF :1434523.7/22

+ sign 2666.820+/-0.376 χ^2/NDF : 9920093.9/49

All: 2701.286+/-0.269 χ^2/NDF : 19486026.0/101

- sign 2737.795+/-0.387 χ^2/NDF : 9548586.0/51

diff_bpm1p03aX_mean vs Slug



Right In: -0.722 ± 0.714 χ^2/NDF : 25.5/24

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

Right Out: -2.014 ± 0.713 χ^2/NDF : 27.4/28

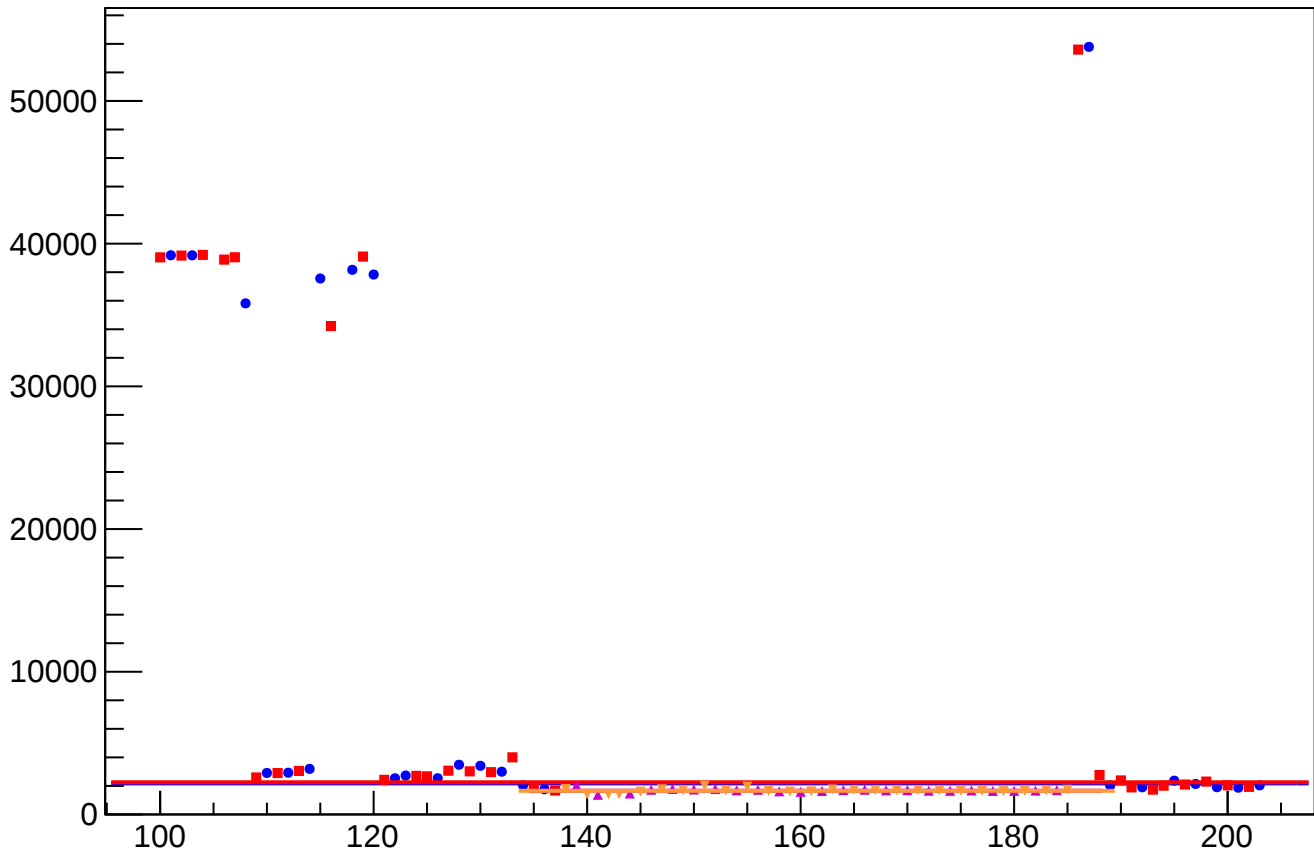
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.455 ± 0.341 χ^2/NDF : 72.6/49

All: -0.955 ± 0.244 χ^2/NDF : 139.1/101

- sign -0.429 ± 0.350 χ^2/NDF : 62.1/51

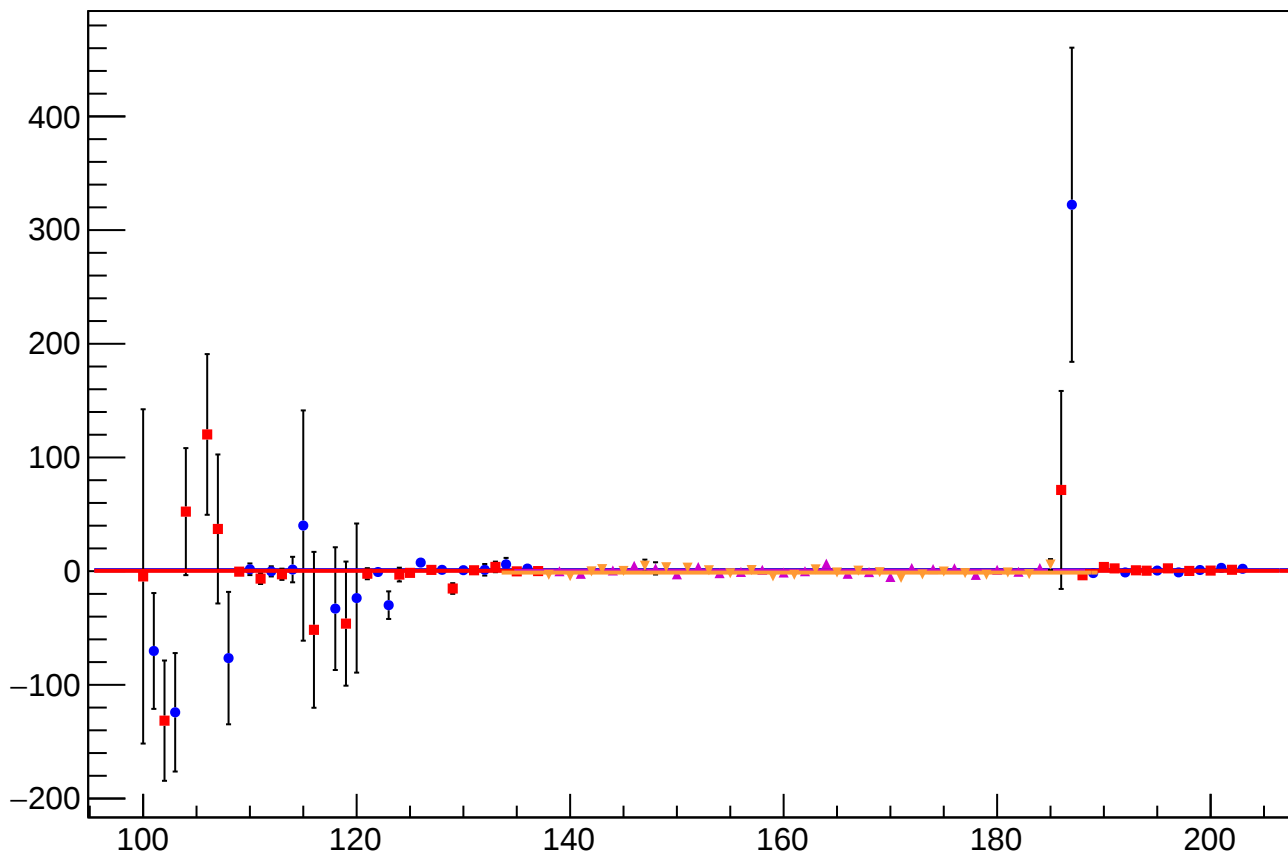
diff_bpm1p03aX_rms vs Slug



Right In: 2177.062 ± 0.505 $\chi^2/\text{NDF}: 5436907.9/24$
 Left Out: 1657.770 ± 0.274 $\chi^2/\text{NDF}: 223465.3/24$
 Right Out: 2254.478 ± 0.504 $\chi^2/\text{NDF}: 6020813.6/28$
 Left In: 1663.620 ± 0.284 $\chi^2/\text{NDF}: 178858.2/22$

+ sign 1776.309 ± 0.241 $\chi^2/\text{NDF}: 6477842.8/49$
 All: 1790.565 ± 0.173 $\chi^2/\text{NDF}: 13727498.5/1$
 - sign 1805.555 ± 0.247 $\chi^2/\text{NDF}: 7242481.0/51$

diff_bpm1p03aY_mean vs Slug



Right In: 0.905 ± 0.589 χ^2/NDF : 31.8/24

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

Right Out: 0.292 ± 0.594 χ^2/NDF : 33.0/28

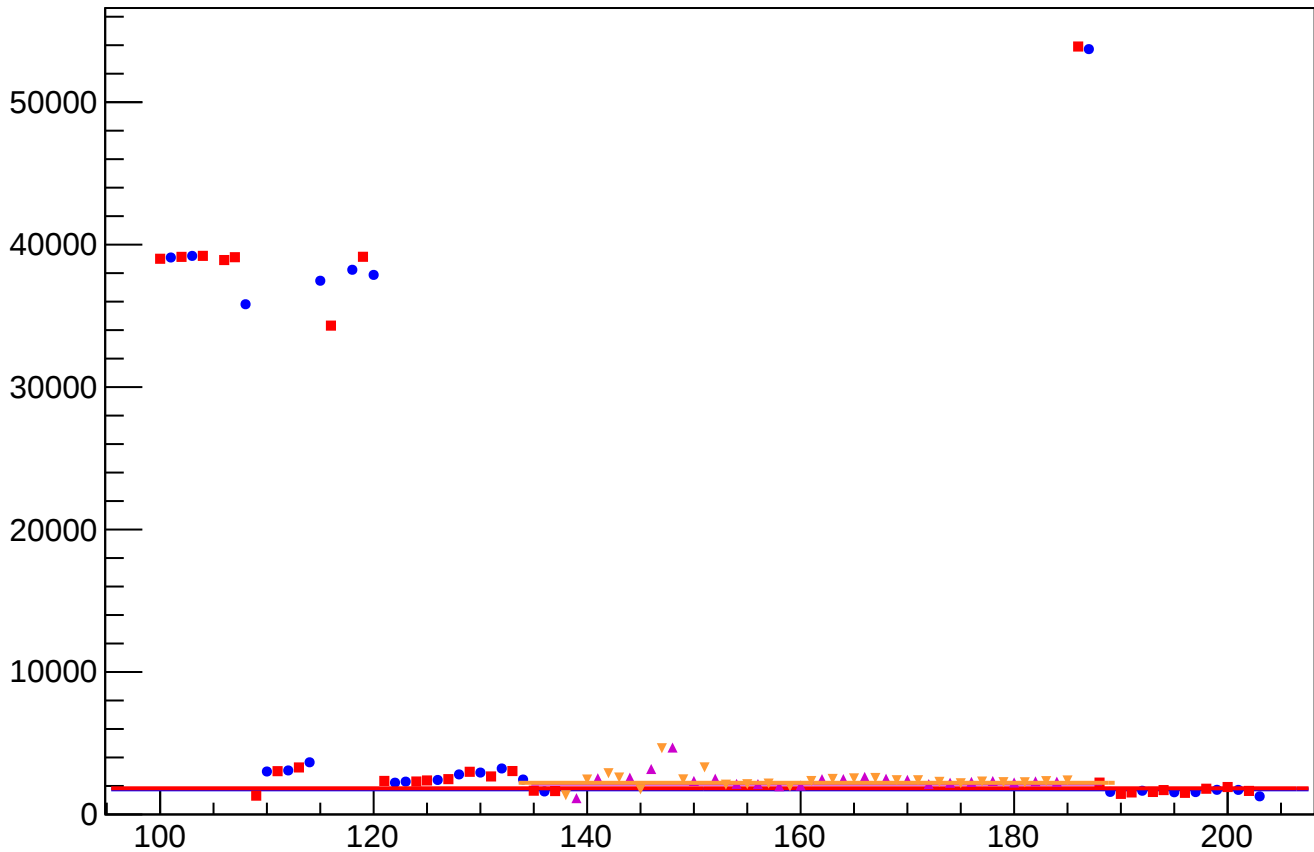
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.276 ± 0.396 χ^2/NDF : 60.8/49

All: -0.048 ± 0.281 χ^2/NDF : 113.9/101

- sign 0.186 ± 0.400 χ^2/NDF : 52.3/51

diff_bpm1p03aY_rms vs Slug



Right In: 1764.044 $\pm$ 0.416 χ^2 /NDF: 6098500.7/24

Left Out: 2222.081 $\pm$ 0.378 χ^2 /NDF: 1422440.9/24

Right Out: 1836.160 $\pm$ 0.420 χ^2 /NDF: 6436957.8/28

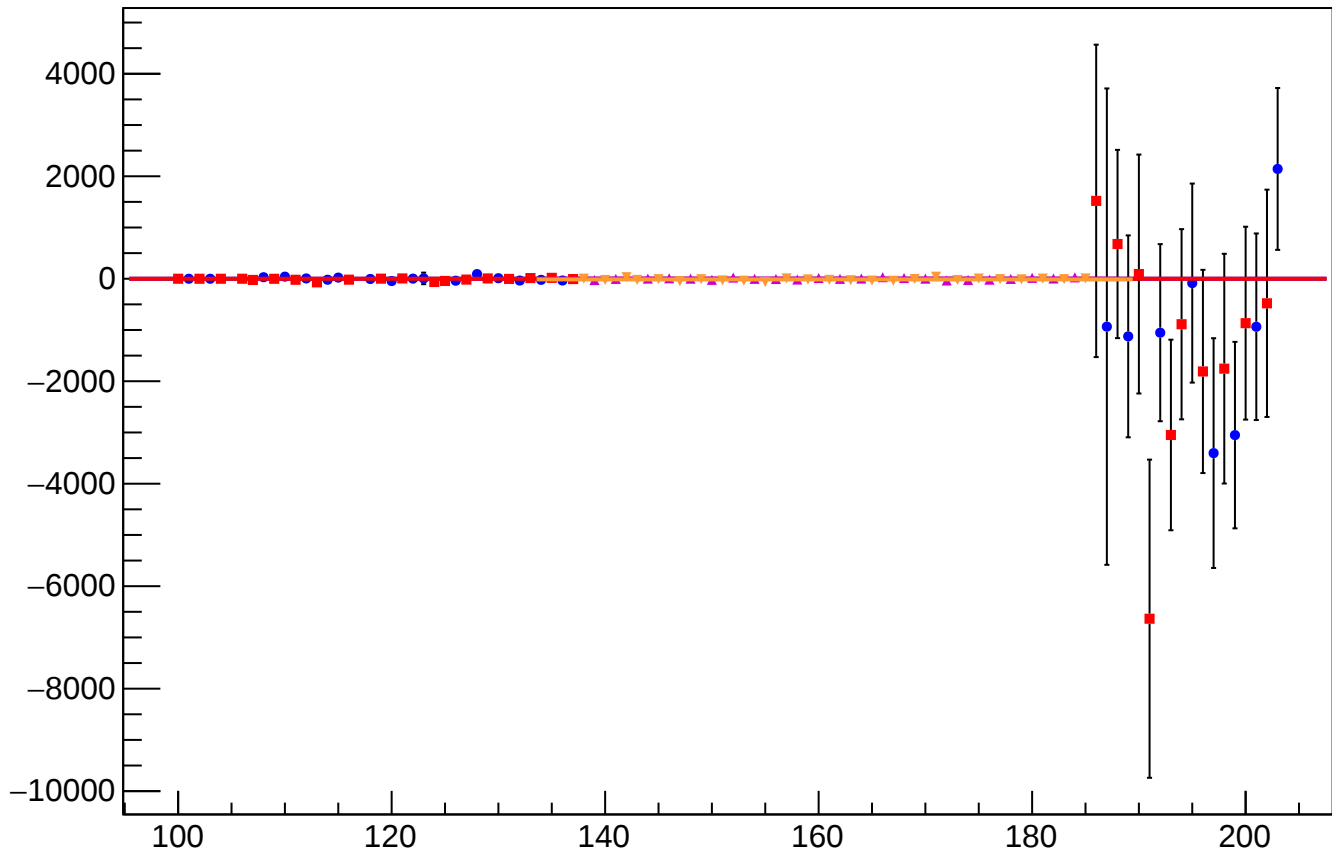
Left In: 2169.443 $\pm$ 0.383 χ^2 /NDF: 1974869.8/22

+ sign 2014.924 $\pm$ 0.280 χ^2 /NDF: 8183855.7/49

All: 2016.598 $\pm$ 0.199 χ^2 /NDF: 16939680.6/51

- sign 2018.307 $\pm$ 0.283 χ^2 /NDF: 8755752.6/51

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 24.6/24

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

Right Out: 0.003+/-0.016 χ^2/NDF : 25.1/28

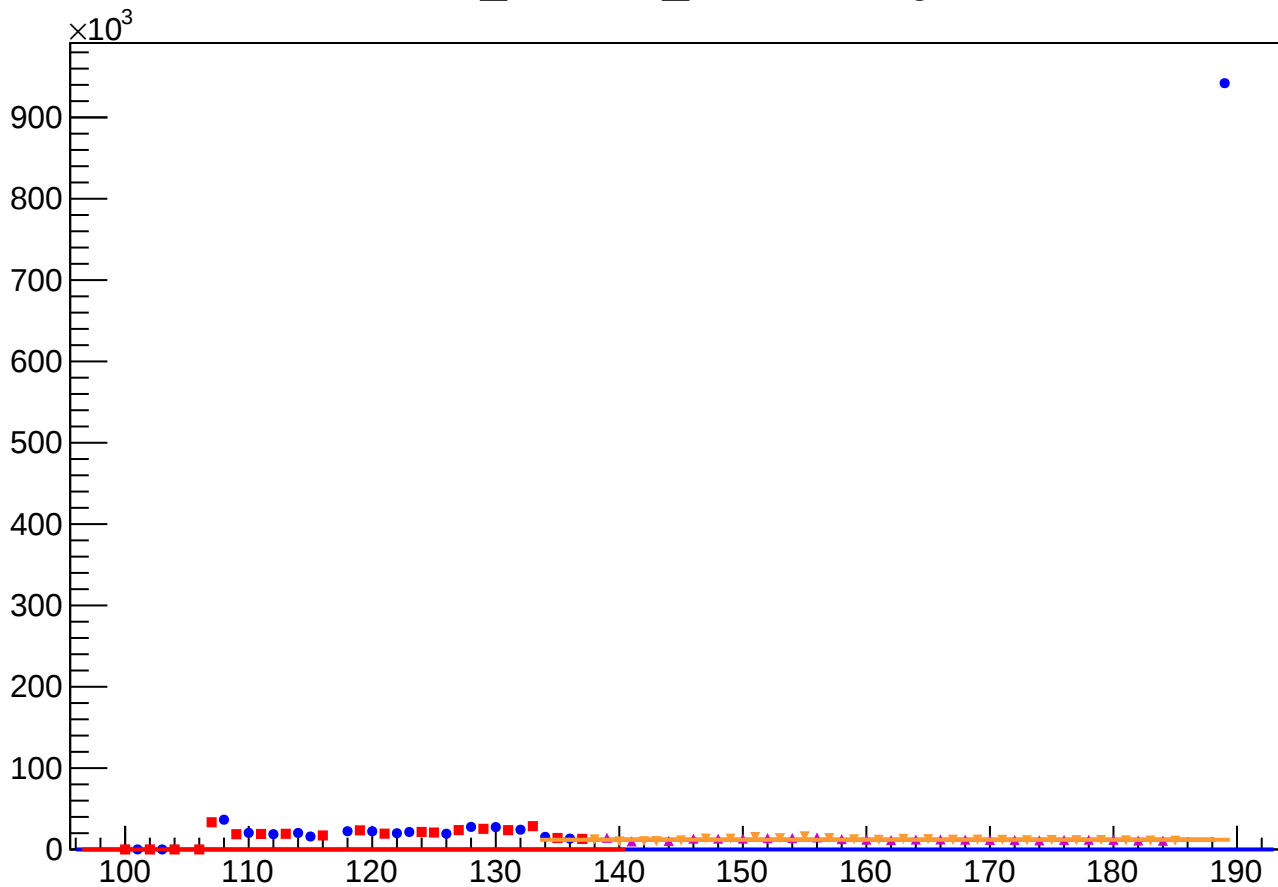
Left In: -0.459+/-2.917 χ^2/NDF : 29.0/22

+ sign 0.013+/-0.017 χ^2/NDF : 106.5/49

All: 0.008+/-0.012 χ^2/NDF : 160.7/101

- sign 0.003+/-0.016 χ^2/NDF : 54.1/51

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

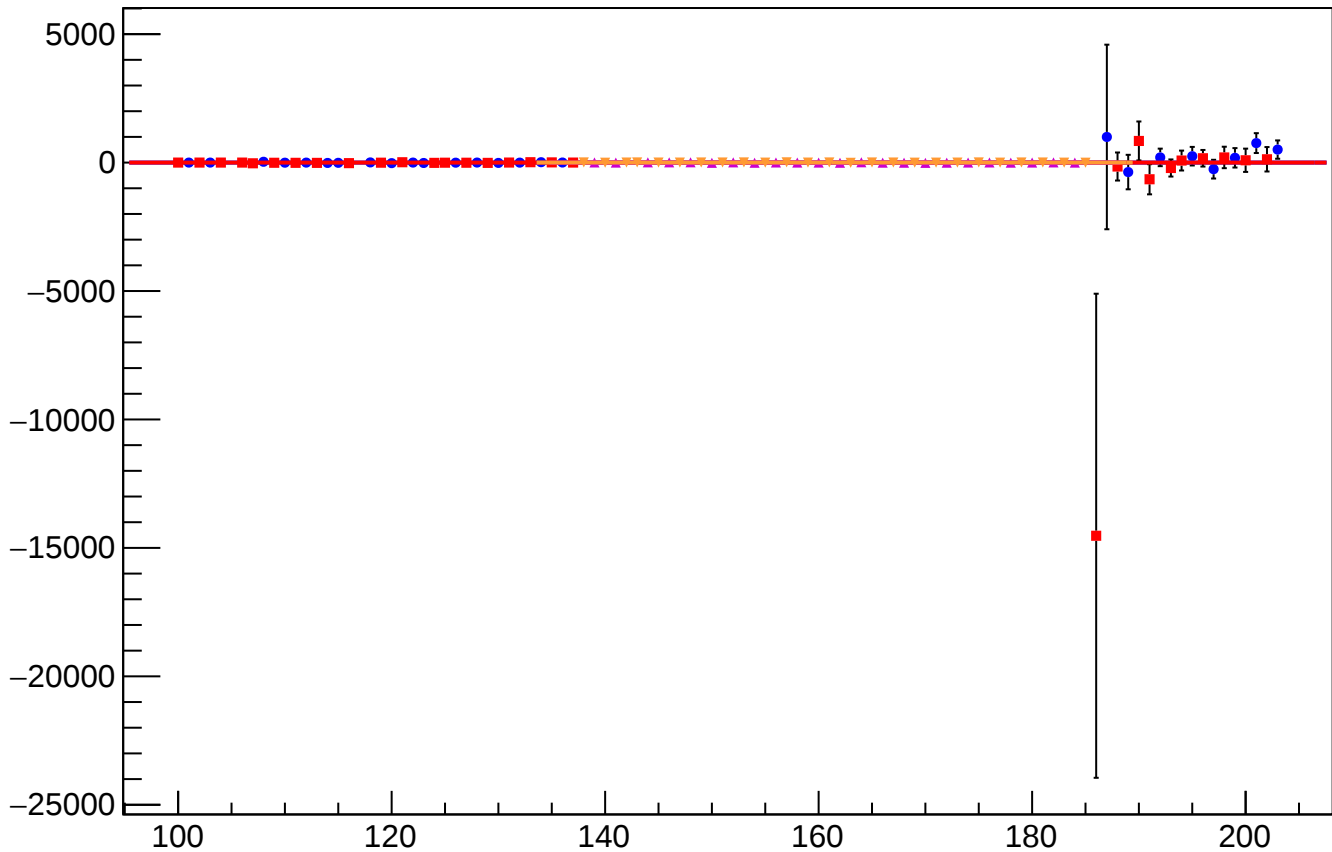
Left In: 12064.761 $\pm$ 2.062 χ^2/NDF : 368452.5/22

+ 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: 20.7/24

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.7/28

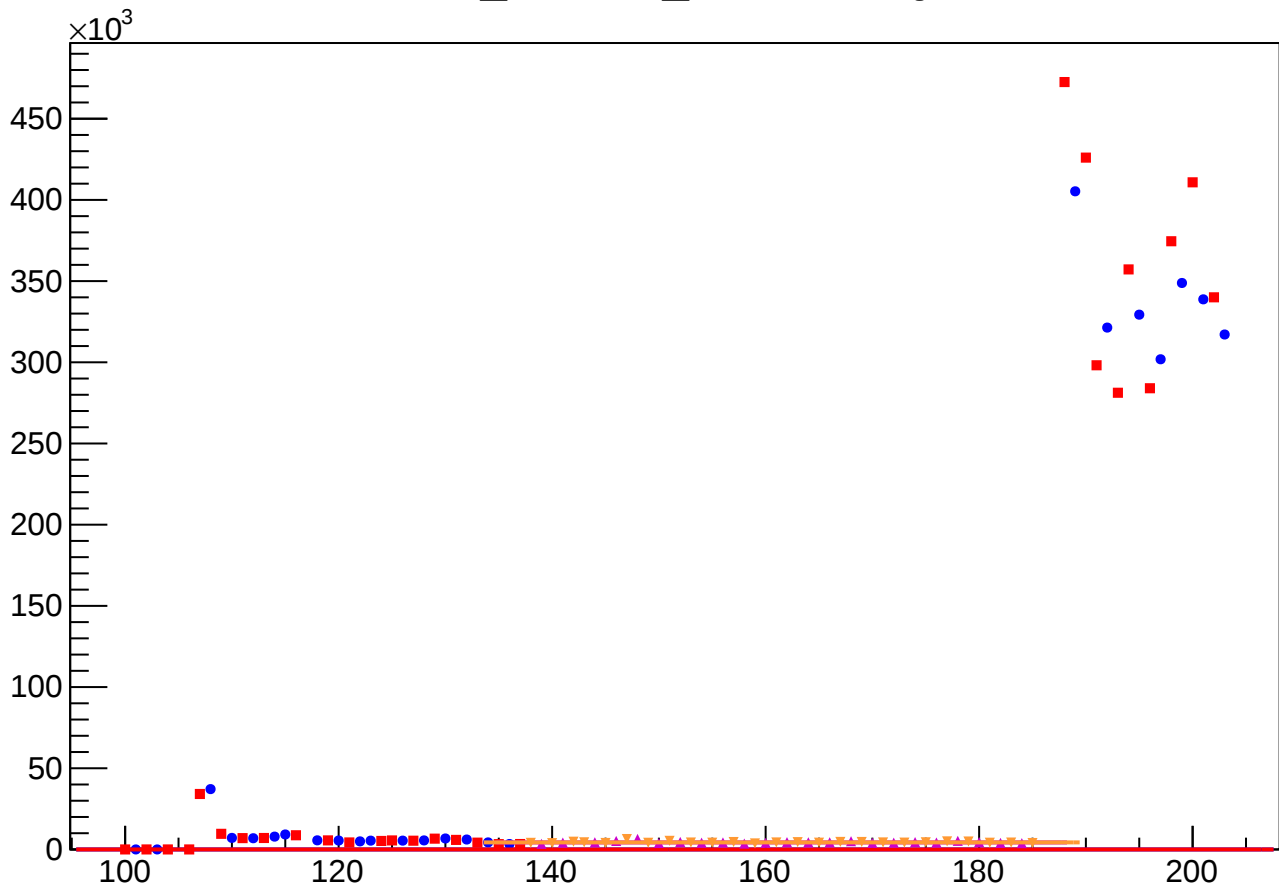
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 41.6/49

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 103.9/101

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 61.1/51

diff_cav4bY_rms vs Slug



Right In: 9.940 ± 0.007 χ^2/NDF : 21401736.8/23

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

Right Out: 9.855 ± 0.006 χ^2/NDF : 22682034.9/27

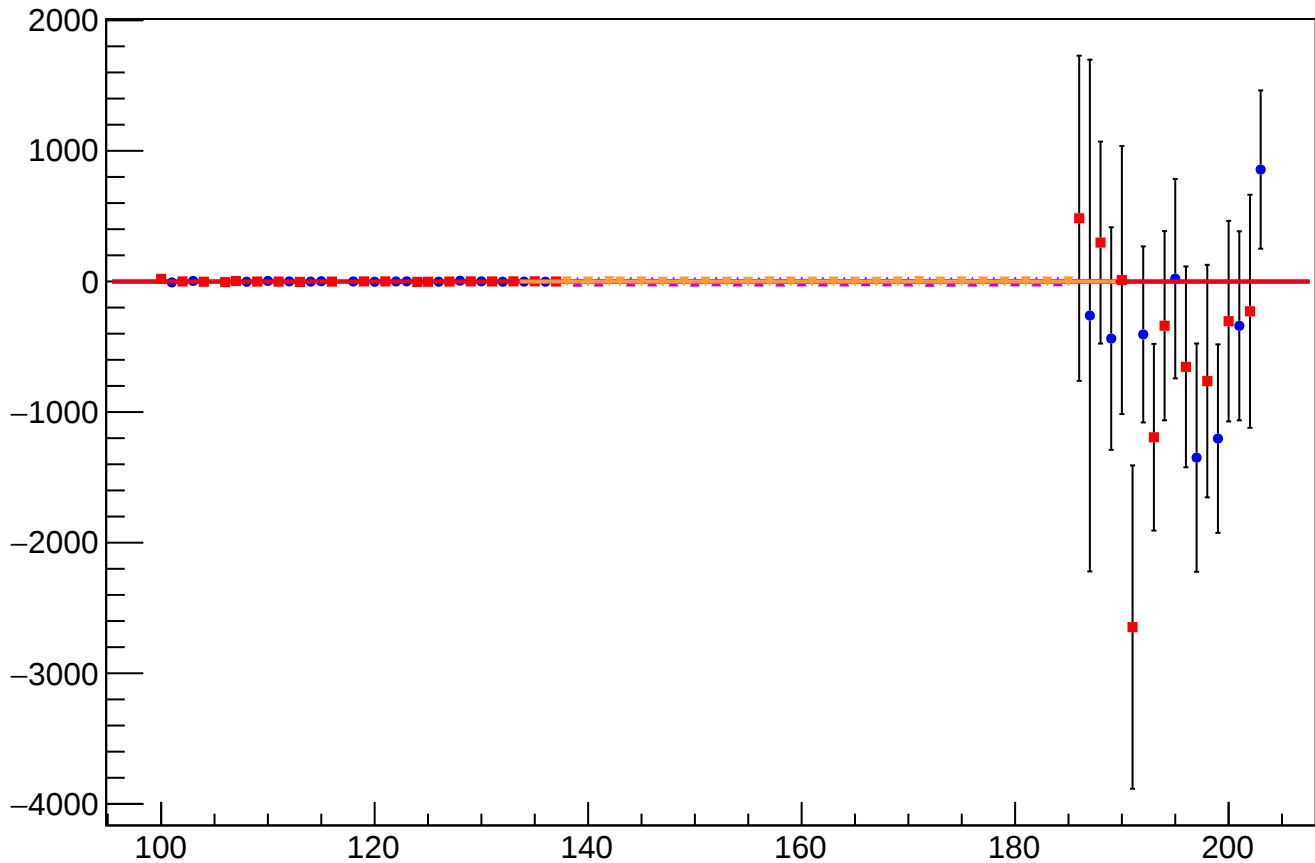
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.292 ± 0.007 χ^2/NDF : 57829144.3/48

All: 10.216 ± 0.004 χ^2/NDF : 114844795.7/99

- sign 10.149 ± 0.006 χ^2/NDF : 57015395.2/50

diff_cav4cX_mean vs Slug



Right In: -0.714 ± 0.483 χ^2/NDF : 30.7/24

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

Right Out: -0.640 ± 0.501 χ^2/NDF : 22.6/28

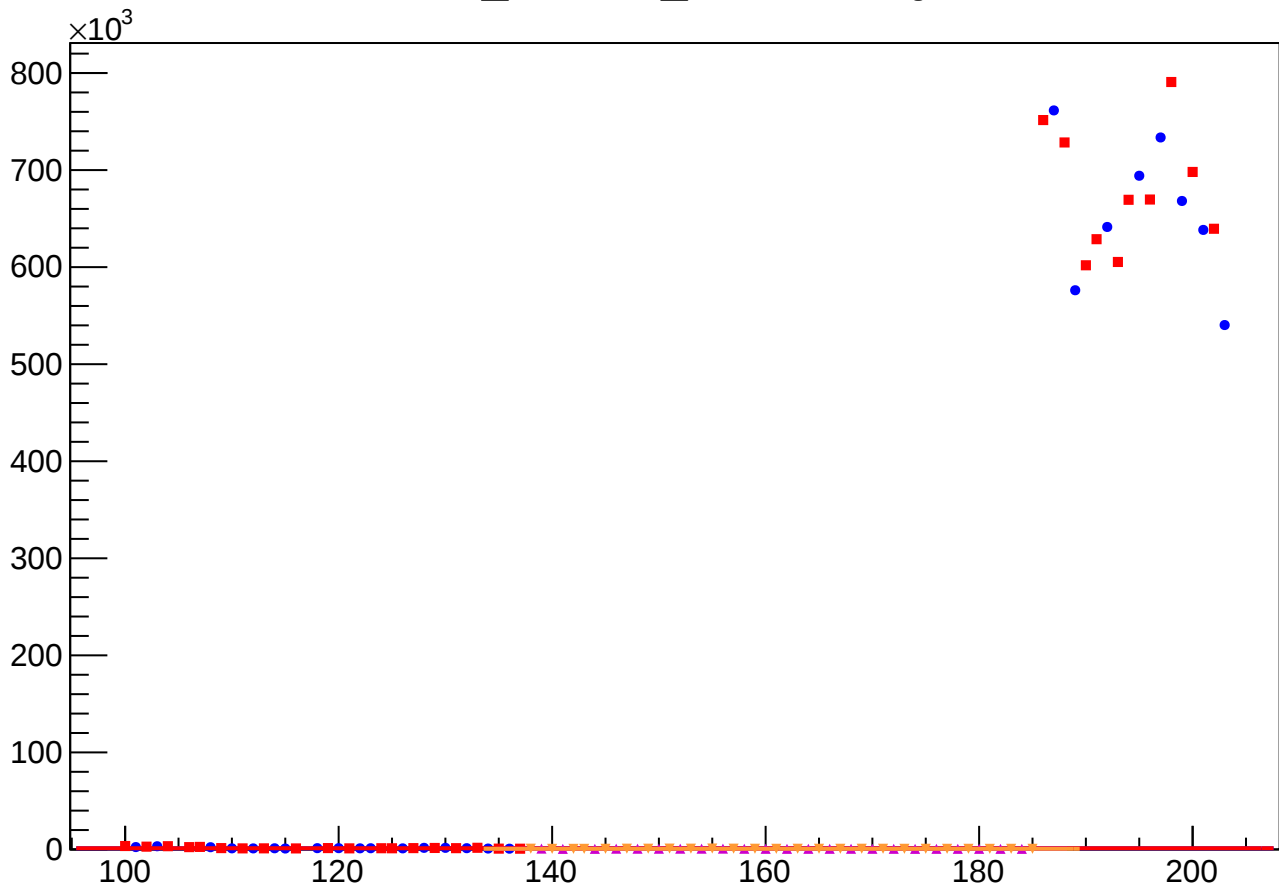
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 89.3/49

All: -0.438 ± 0.112 χ^2/NDF : 152.0/101

- sign -0.083 ± 0.162 χ^2/NDF : 53.4/51

diff_cav4cX_rms vs Slug



Right In: 1169.107 $\pm$ 0.342 χ^2 /NDF: 12484933.2/24

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

Right Out: 1250.225 $\pm$ 0.355 χ^2 /NDF: 14141841.5/28

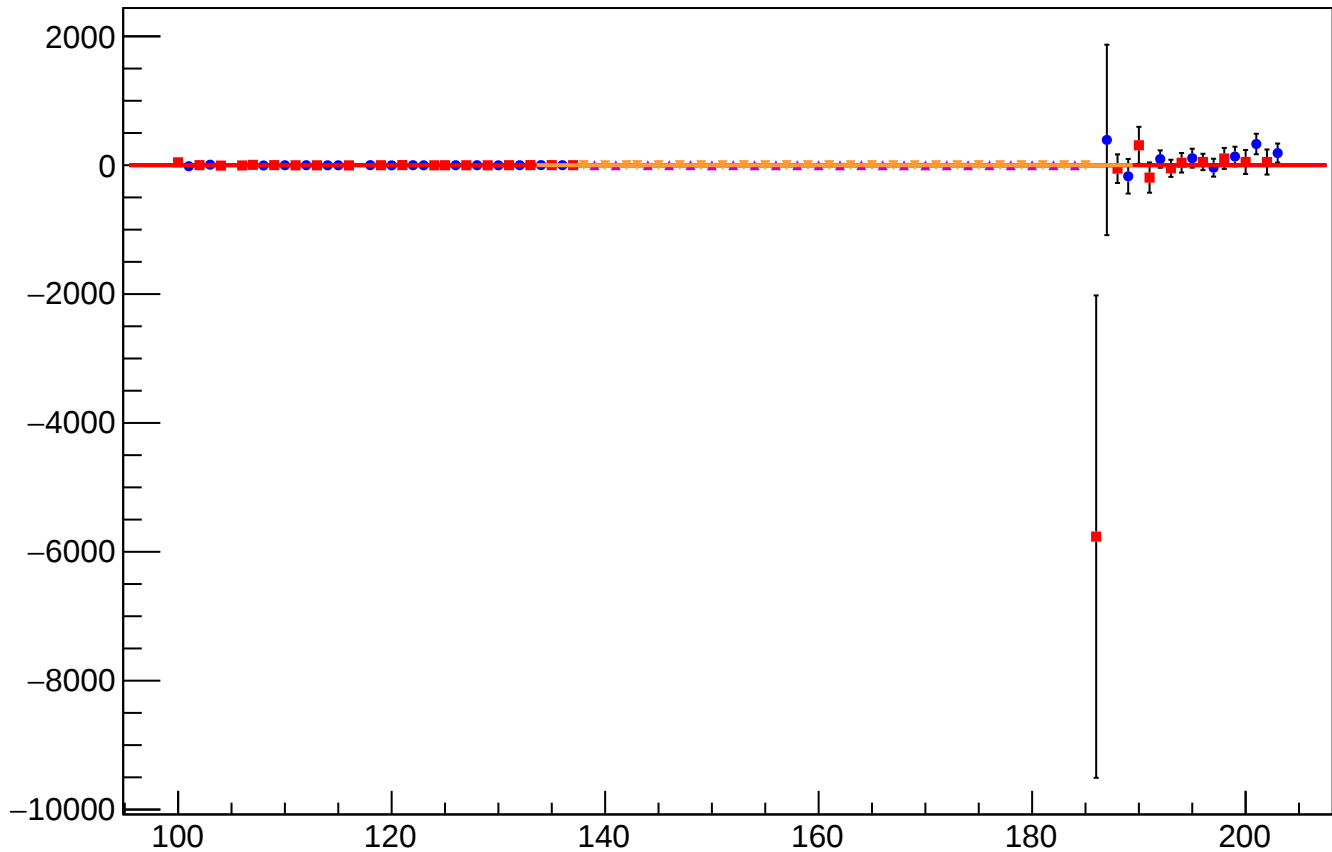
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF:332011.4/22

+ sign 749.658 $\pm$ 0.110 χ^2 /NDF: 14560287.3/49

All: 756.288 $\pm$ 0.079 χ^2 /NDF: 31144853.6/10

- sign 763.427 $\pm$ 0.114 χ^2 /NDF: 16577043.4/51

diff_cav4cY_mean vs Slug



Right In: -0.057 ± 0.269 χ^2/NDF : 27.4/24

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

Right Out: 0.280 ± 0.264 χ^2/NDF : 25.7/28

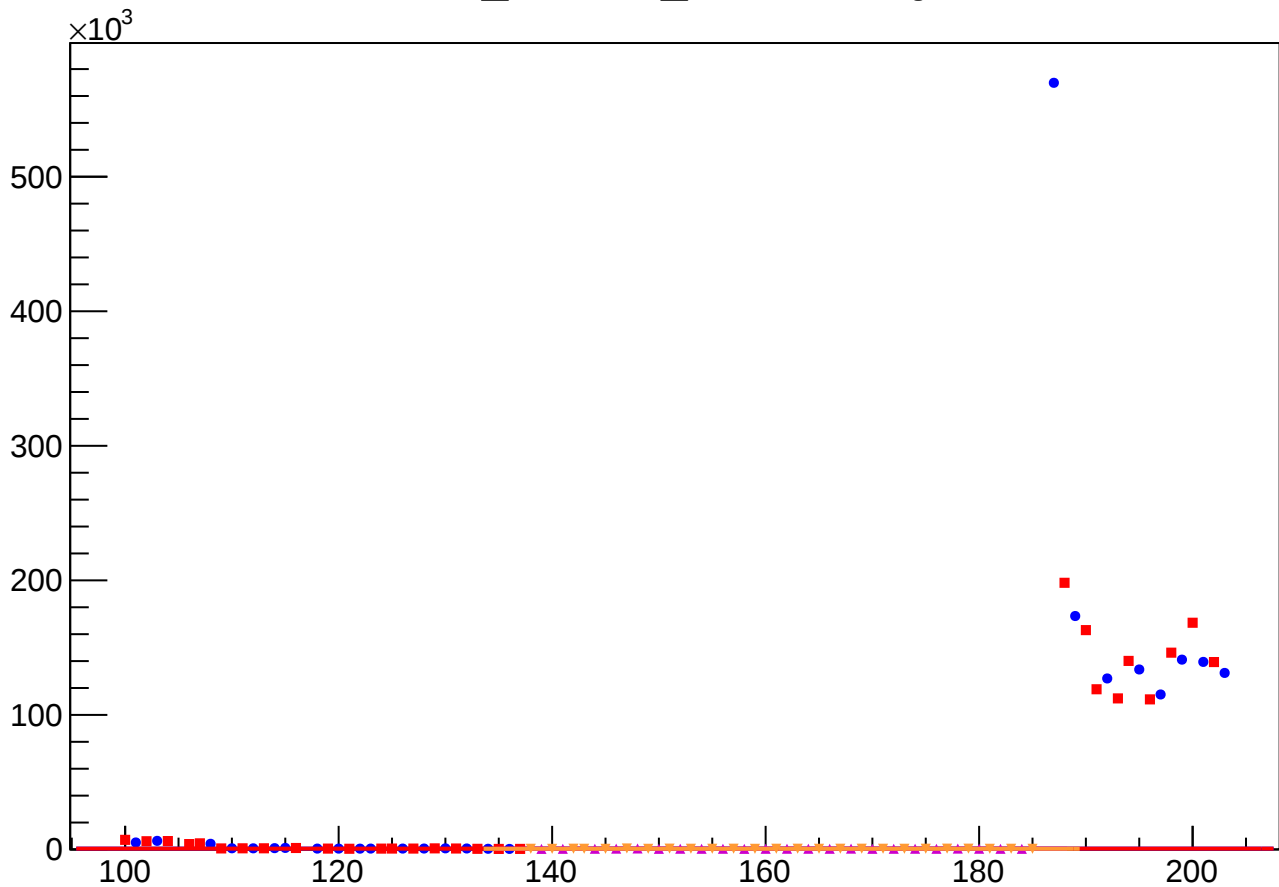
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.183 ± 0.112 χ^2/NDF : 46.4/49

All: 0.169 ± 0.080 χ^2/NDF : 107.3/101

- sign 0.154 ± 0.114 χ^2/NDF : 60.9/51

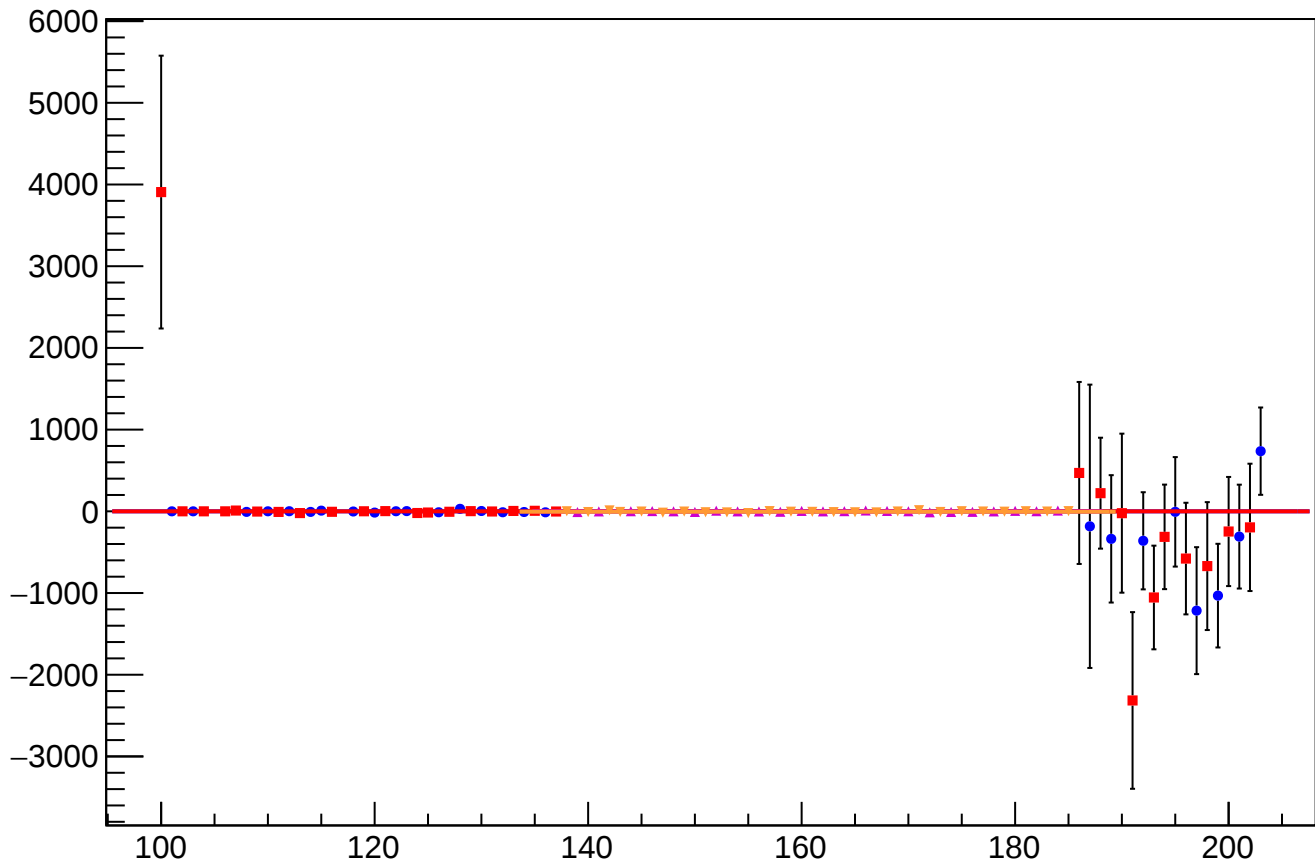
diff_cav4cY_rms vs Slug



Right In: 612.220 ± 0.190 χ^2/NDF : 13793366.3/24
 Left Out: 522.220 ± 0.087 χ^2/NDF : 330405.3/24
 Right Out: 601.713 ± 0.187 χ^2/NDF : 15155283.9/27
 Left In: 520.700 ± 0.089 χ^2/NDF : 427720.5/22

+ sign 537.701 ± 0.079 χ^2/NDF : 14309149.5/49
 All: 536.730 ± 0.056 χ^2/NDF : 30045397.7/10
 - sign 535.720 ± 0.081 χ^2/NDF : 15735939.2/50

diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 23.8/24

Left Out: -4.480 $\pm$ 0.957 χ^2 /NDF: 58.4/24

Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 27.0/28

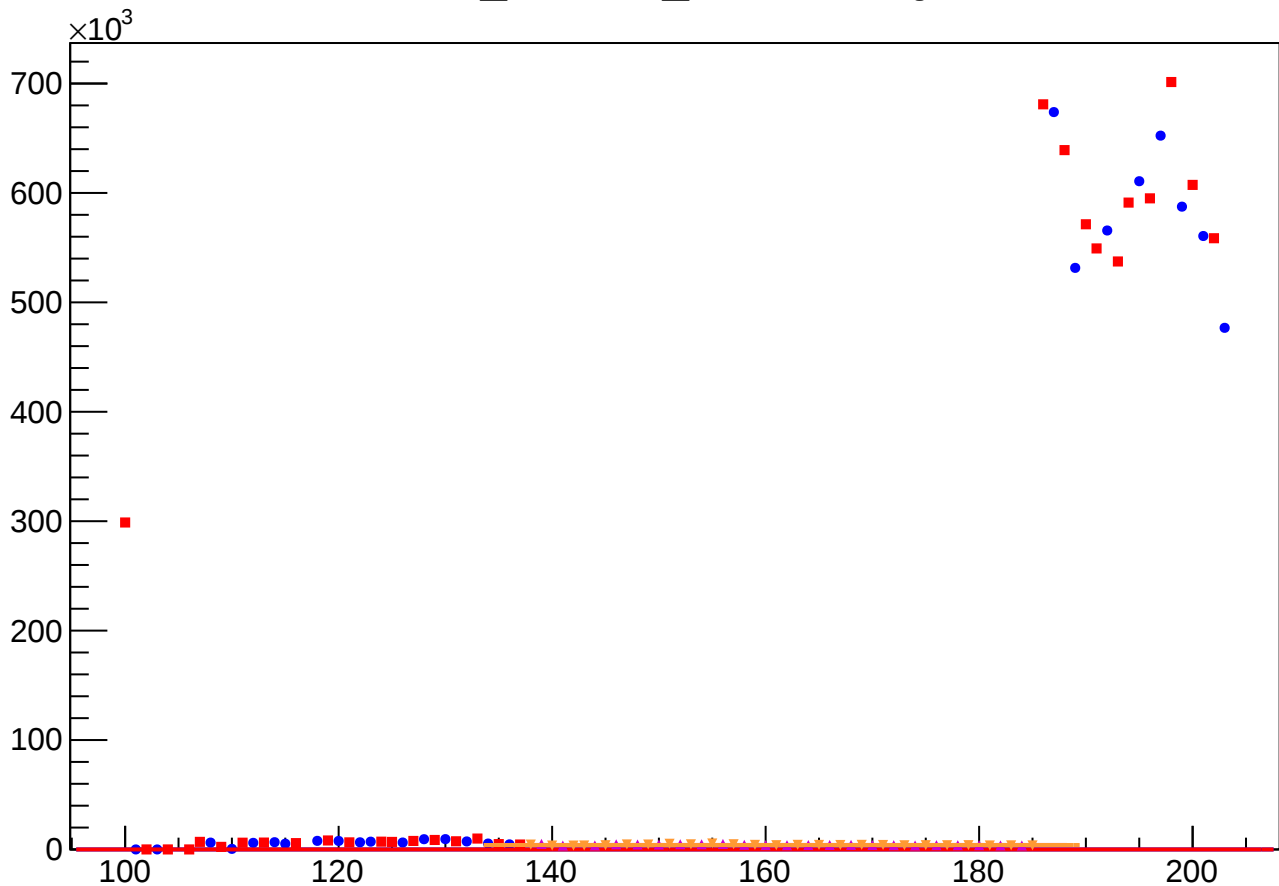
Left In: -0.183 $\pm$ 0.994 χ^2 /NDF: 29.5/22

+ sign -0.024 $\pm$ 0.021 χ^2 /NDF: 103.9/49

All: -0.025 $\pm$ 0.014 χ^2 /NDF: 160.4/101

- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 56.5/51

diff_cav4dX_rms vs Slug



Right In: 17.343 ± 0.015 χ^2/NDF : 21433276.3/24

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

Right Out: 17.272 ± 0.014 χ^2/NDF : 23418492.1/28

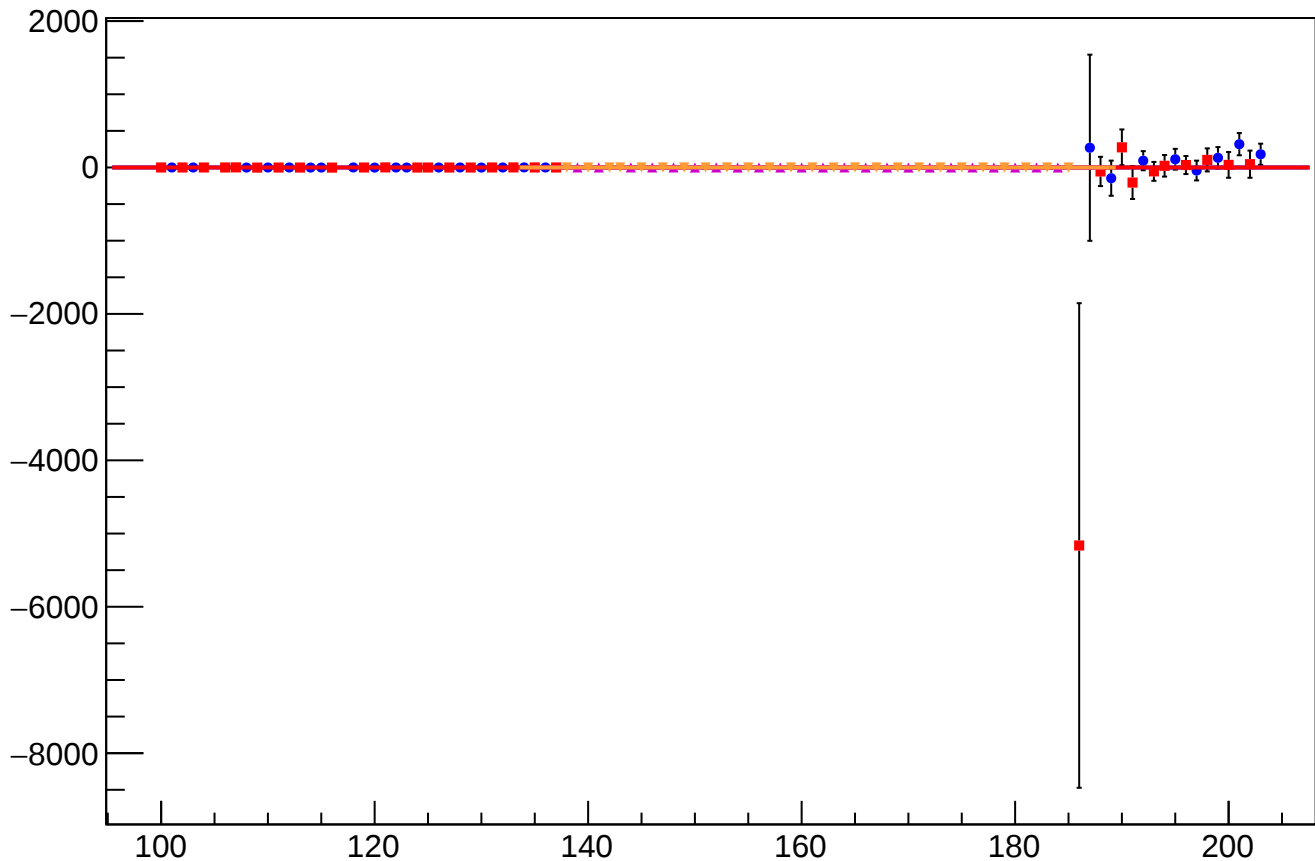
Left In: 4113.993 ± 0.703 χ^2/NDF : 349160.6/22

+ sign 19.258 ± 0.015 χ^2/NDF : 57783371.1/49

All: 19.066 ± 0.010 χ^2/NDF : 115507264.0/10

- sign 18.892 ± 0.014 χ^2/NDF : 57723568.3/51

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 22.0/24

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.6/28

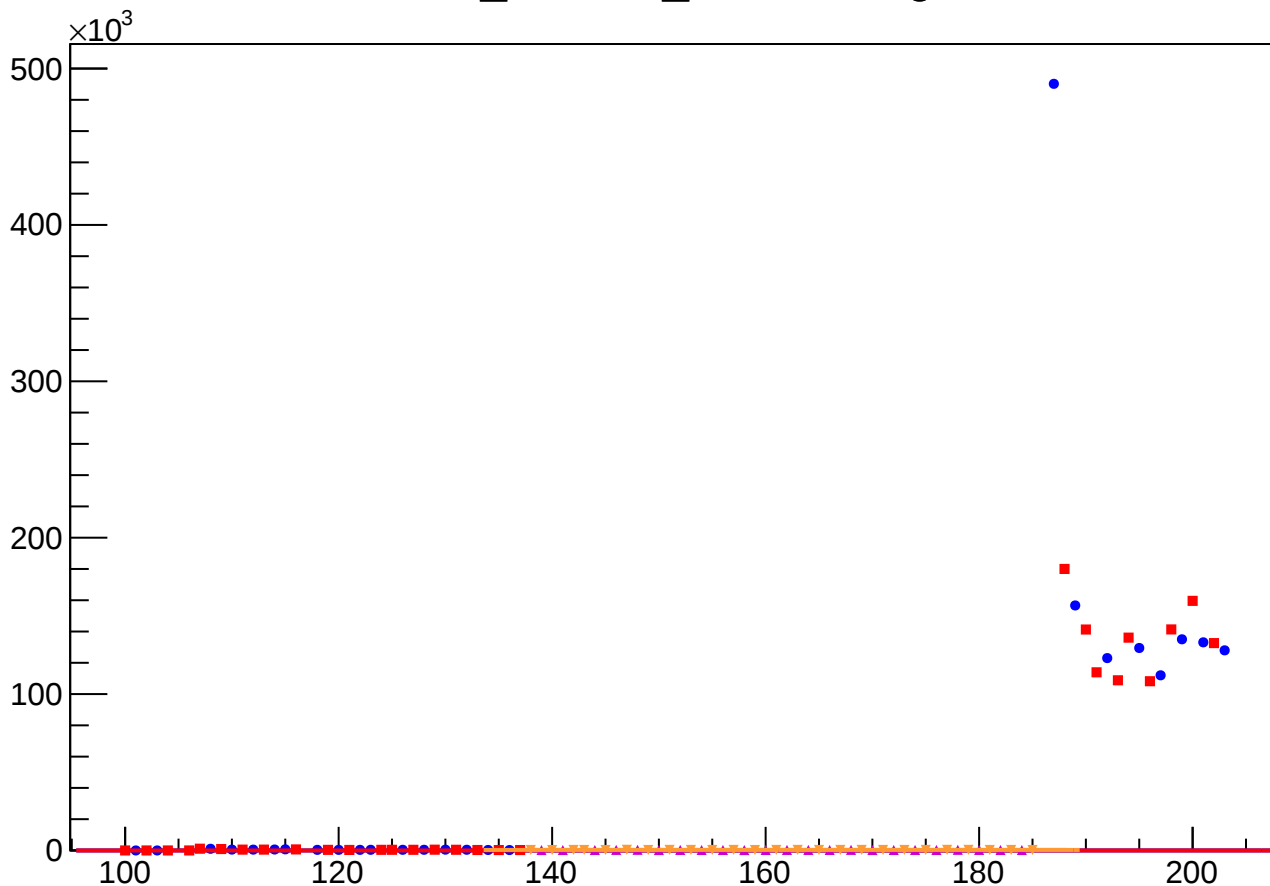
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF: 34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 43.1/49

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 102.4/101

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.2/51

diff_cav4dY_rms vs Slug



Right In: 1.699 ± 0.001 χ^2/NDF : 21784722.8/24

Left Out: 325.326 ± 0.054 χ^2/NDF : 347705.2/24

Right Out: 1.728 ± 0.001 χ^2/NDF : 22457503.4/27

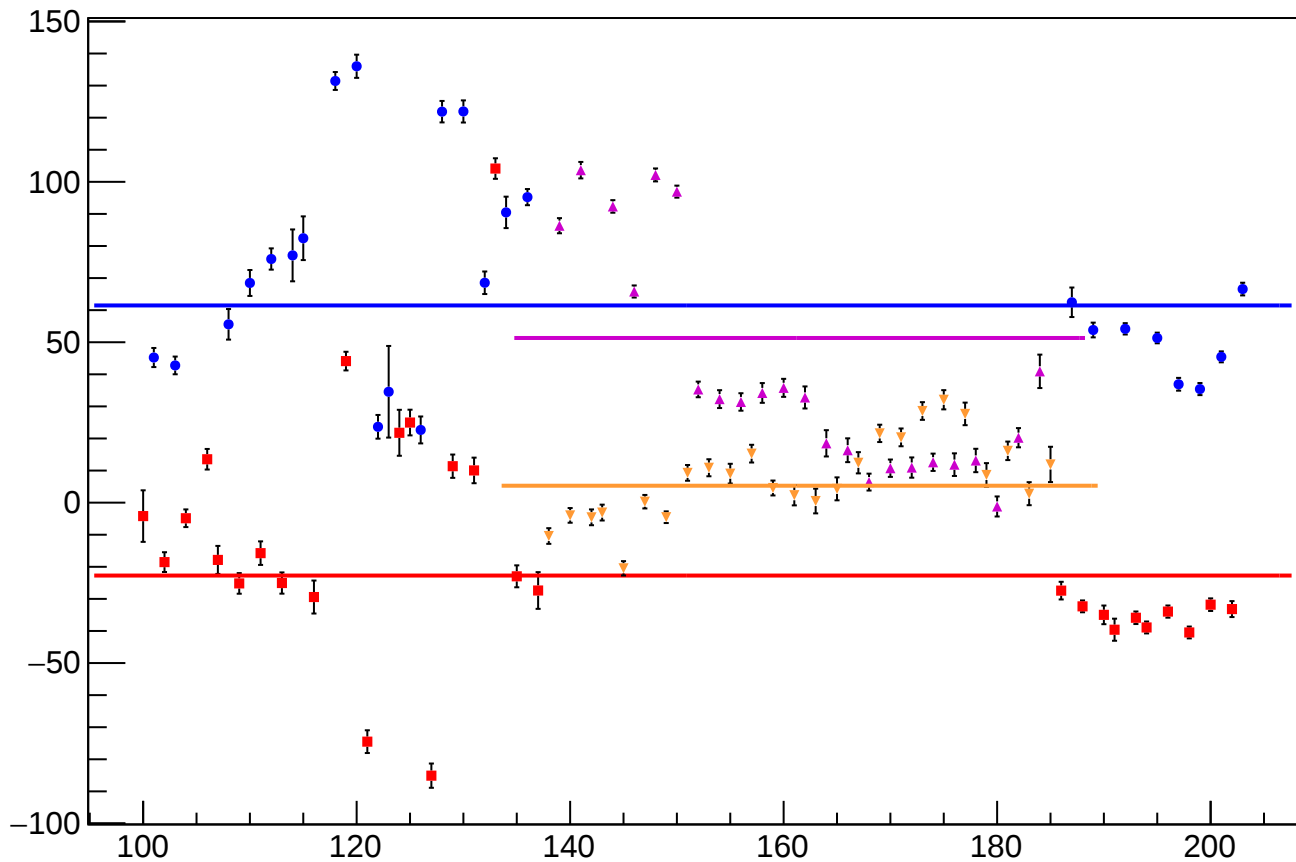
Left In: 325.626 ± 0.056 χ^2/NDF : 413350.0/22

+ sign 1.926 ± 0.001 χ^2/NDF : 57996594.2/49

All: 1.925 ± 0.001 χ^2/NDF : 114591997.1/100

- sign 1.924 ± 0.001 χ^2/NDF : 56595401.4/50

diff_bpm0i01X_mean vs Slug



Right In: 61.468 $\pm$ 0.549 χ^2 /NDF: 2714.4/24

Left Out: 5.276 $\pm$ 0.544 χ^2 /NDF: 556.2/24

Right Out: -22.726 $\pm$ 0.529 χ^2 /NDF: 3464.2/28

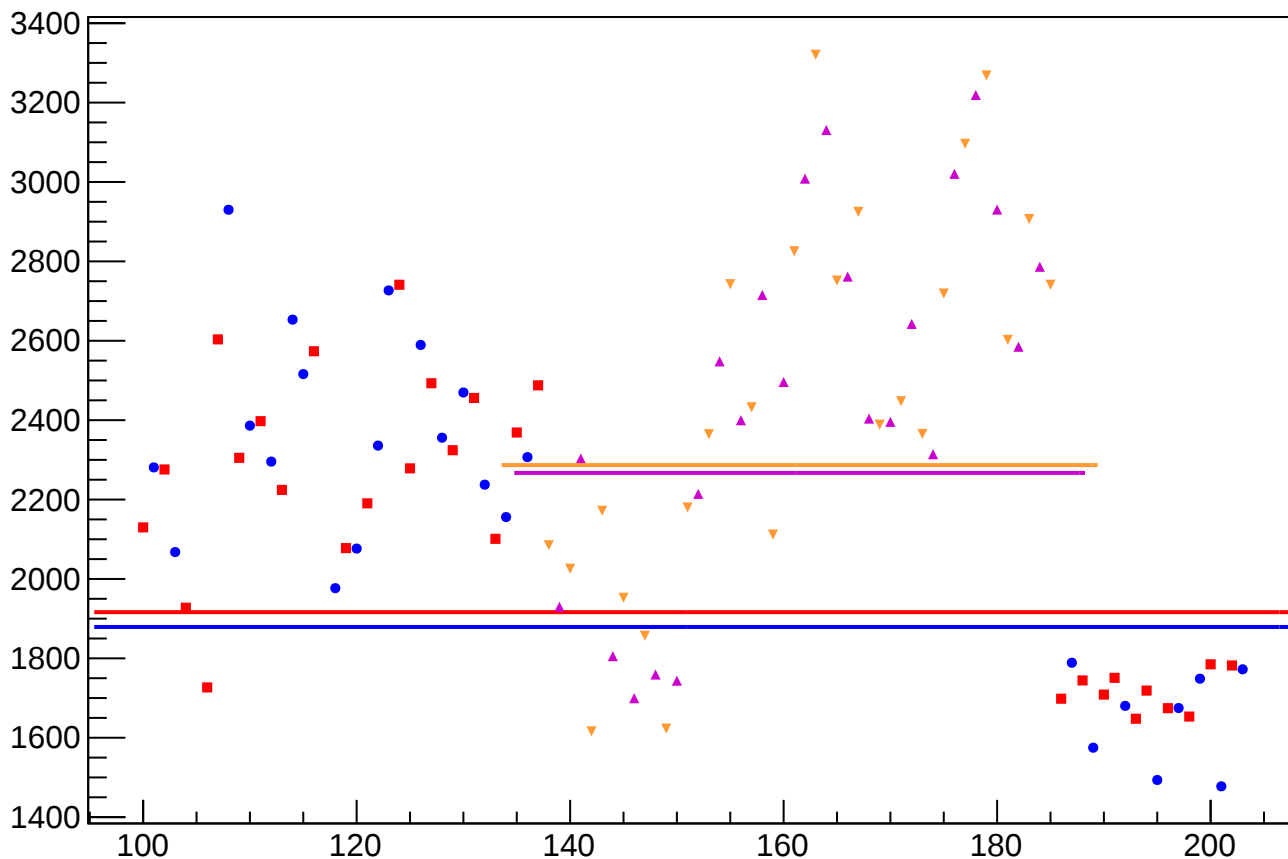
Left In: 51.328 $\pm$ 0.558 χ^2 /NDF: 4257.8/22

+ sign 33.119 $\pm$ 0.387 χ^2 /NDF: 8554.1/49

All: 22.636 $\pm$ 0.272 χ^2 /NDF: 27010.0/101

- sign 12.292 $\pm$ 0.384 χ^2 /NDF: 16994.5/51

diff_bpm0i01X_rms vs Slug



Right In: 1879.037 $\pm$ 0.388 χ^2 /NDF: 844162.6/24

Left Out: 2286.871 $\pm$ 0.385 χ^2 /NDF:1360490.8/24

Right Out: 1916.389 $\pm$ 0.374 χ^2 /NDF: 622529.0/28

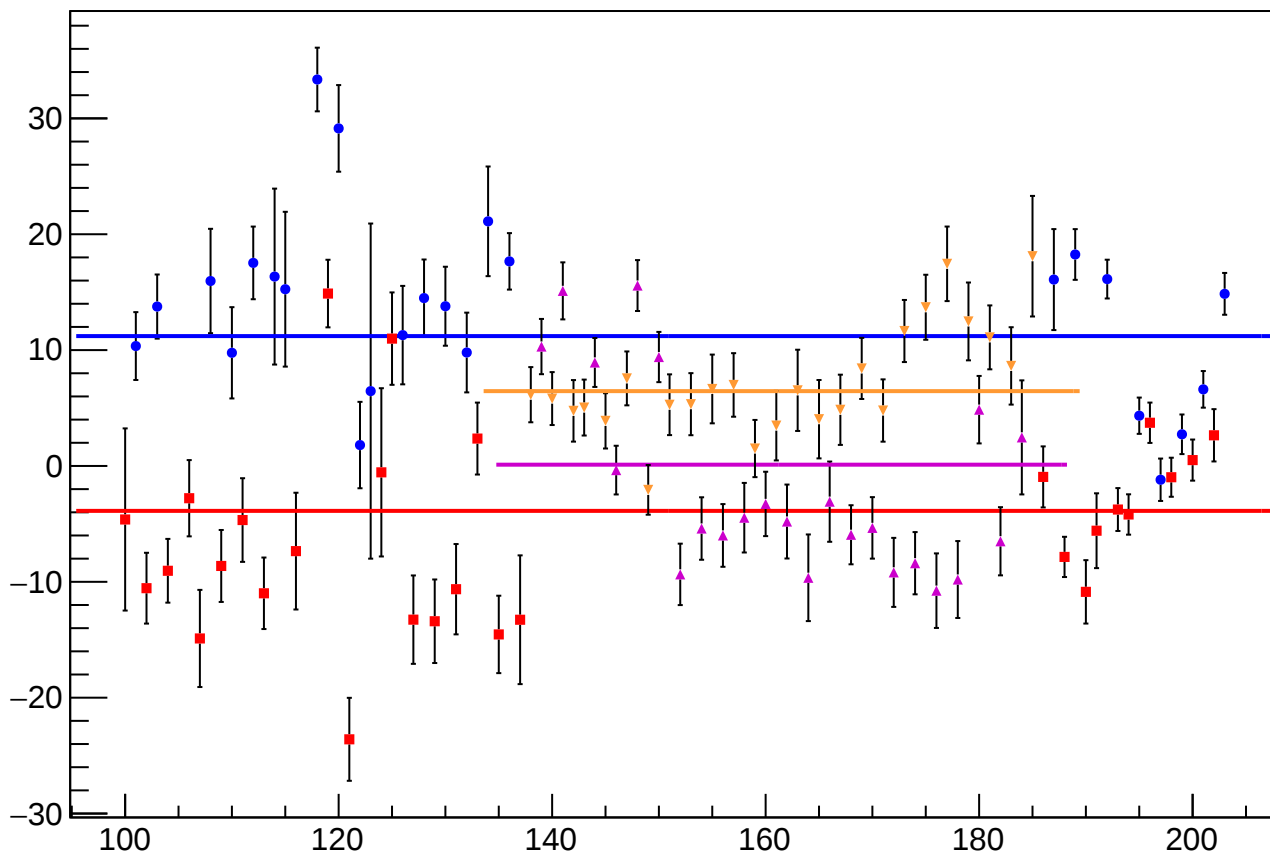
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2084.791 $\pm$ 0.273 χ^2 /NDF: 2761273.1/49

All: 2083.502 $\pm$ 0.193 χ^2 /NDF: 5113140.5/10

- sign 2082.229 $\pm$ 0.271 χ^2 /NDF: 2351823.2/51

diff_bpm0i01Y_mean vs Slug



Right In: 11.209 ± 0.521 χ^2/NDF : 237.2/24

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

Right Out: -3.876 ± 0.502 χ^2/NDF : 192.3/28

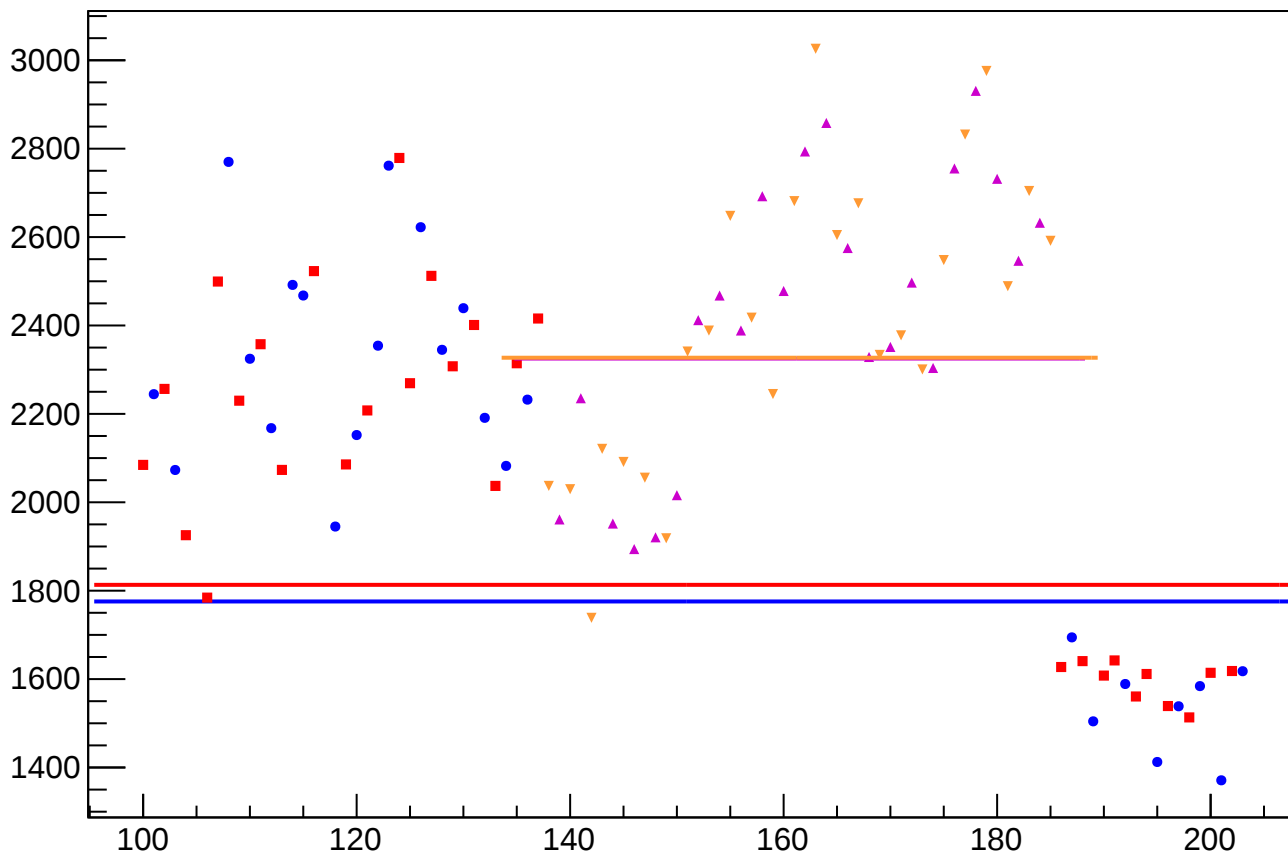
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 8.953 ± 0.377 χ^2/NDF : 335.5/49

All: 3.388 ± 0.266 χ^2/NDF : 1222.7/101

- sign -2.118 ± 0.375 χ^2/NDF : 454.6/51

diff_bpm0i01Y_rms vs Slug



Right In: 1775.621+/-0.368 χ^2/NDF : 1057033.9/24

Left Out: 2327.044+/-0.387 χ^2/NDF : 646706.7/24

Right Out: 1813.215+/-0.355 χ^2/NDF : 833046.5/28

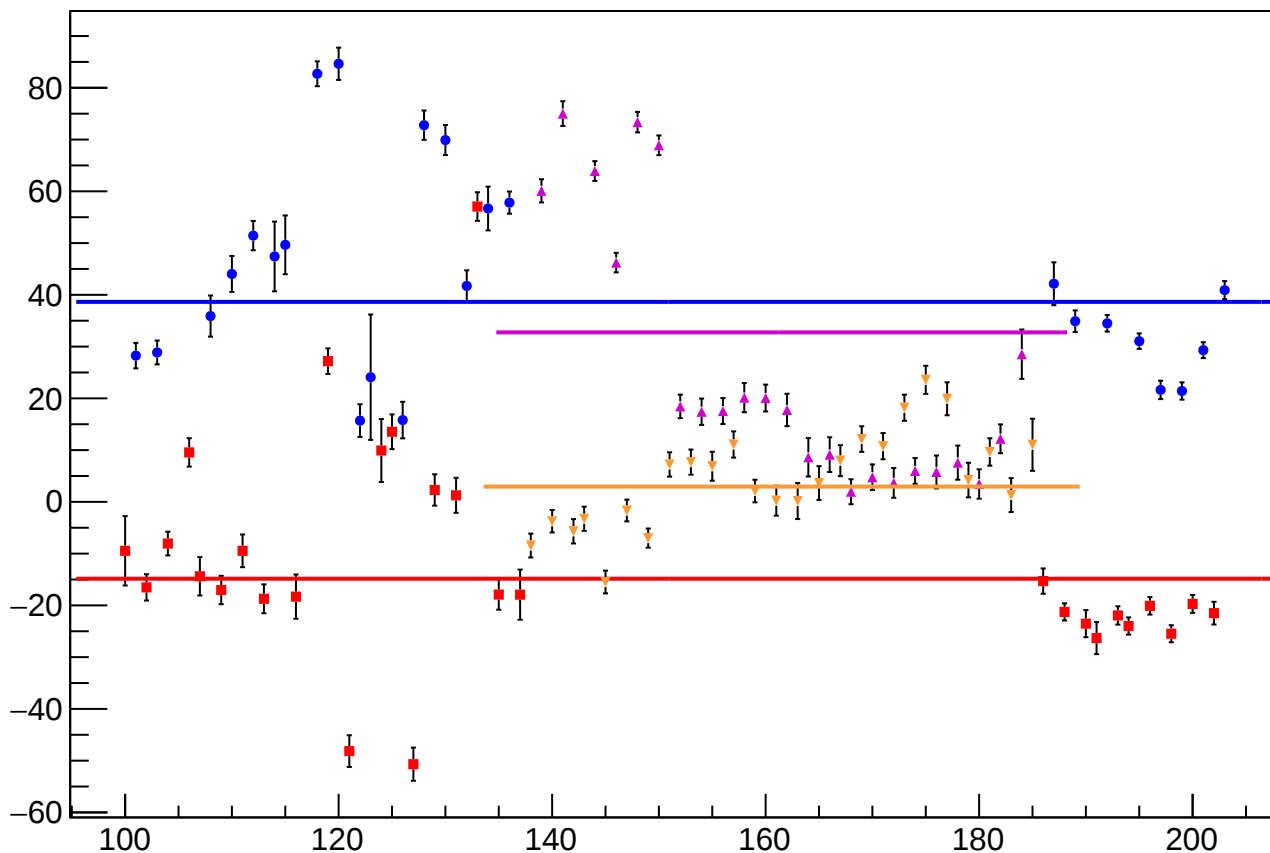
Left In: 2325.175+/-0.400 χ^2/NDF : 610729.2/22

+ sign 2037.524+/-0.267 χ^2/NDF : 2768694.5/49

All: 2038.291+/-0.188 χ^2/NDF : 5129734.9/10

- sign 2039.049+/-0.265 χ^2/NDF : 2361024.0/51

diff_bpm0i01aX_mean vs Slug



Right In: 38.637 ± 0.481 χ^2/NDF : 1348.7/24

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

Right Out: -14.847 ± 0.462 χ^2/NDF : 1602.4/28

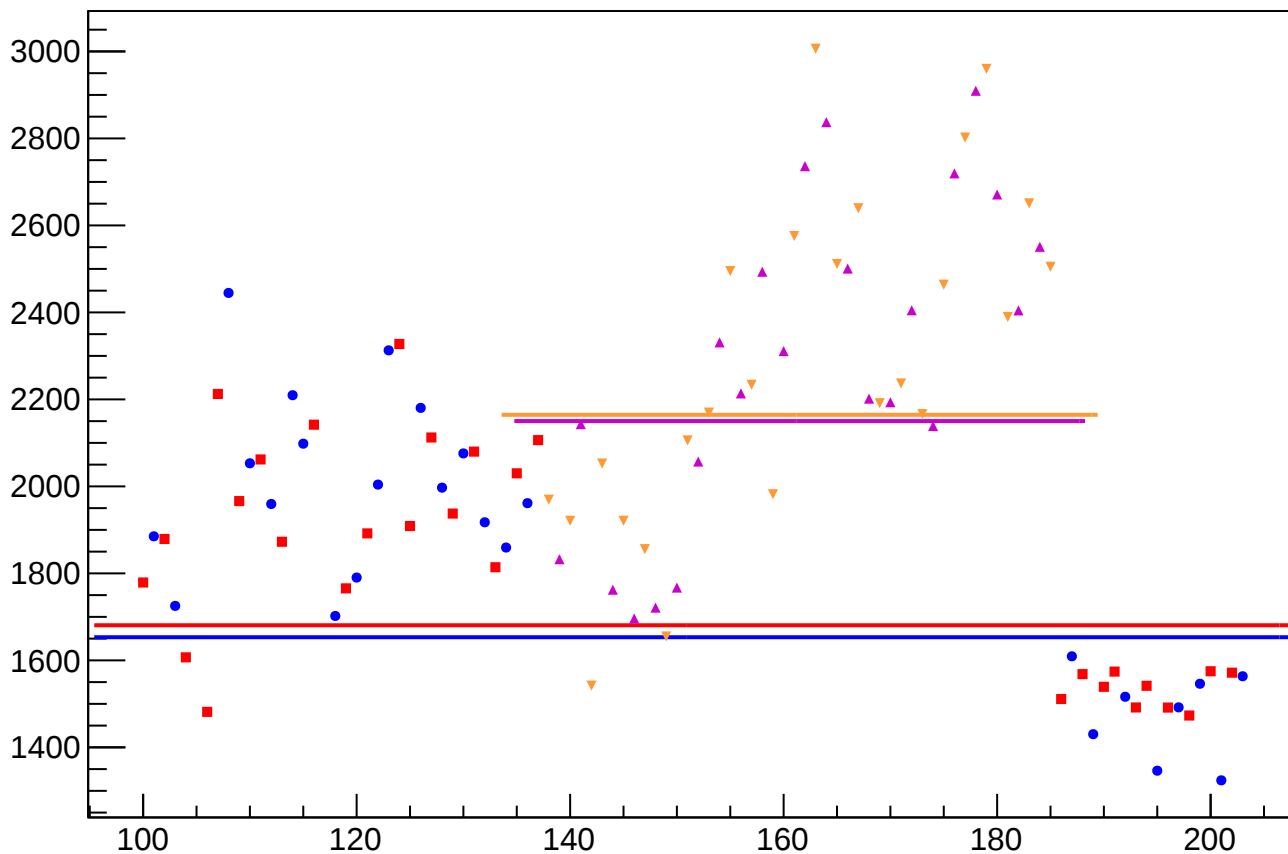
Left In: 32.745 ± 0.526 χ^2/NDF : 2632.5/22

+ sign 21.919 ± 0.350 χ^2/NDF : 4269.2/49

All: 13.829 ± 0.247 χ^2/NDF : 14179.0/101

- sign 5.884 ± 0.347 χ^2/NDF : 8853.3/51

diff_bpm0i01aX_rms vs Slug



Right In: 1653.193 $\pm$ 0.340 χ^2 /NDF: 632737.5/24

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

Right Out: 1680.743 $\pm$ 0.327 χ^2 /NDF: 453854.5/28

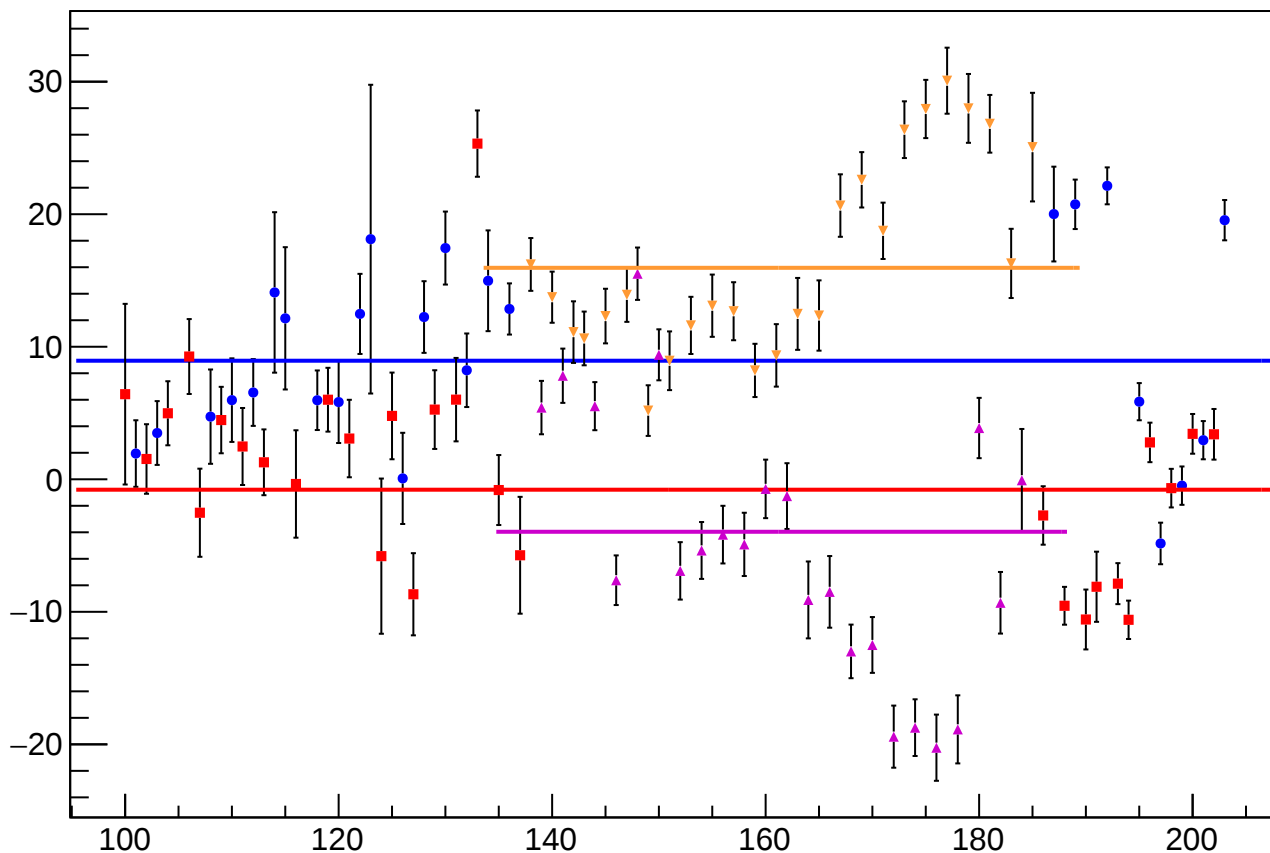
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF:911849.7/22

+ sign 1892.771 $\pm$ 0.248 χ^2 /NDF: 2659090.6/49

All: 1888.968 $\pm$ 0.174 χ^2 /NDF: 4923971.4/10

- sign 1885.233 $\pm$ 0.246 χ^2 /NDF: 2264413.8/51

diff_bpm0i01aY_mean vs Slug



Right In: 8.946 $\pm$ 0.440 χ^2 /NDF: 376.2/24

Left Out: 15.956 $\pm$ 0.447 χ^2 /NDF: 245.2/24

Right Out: -0.786 $\pm$ 0.418 χ^2 /NDF: 316.0/28

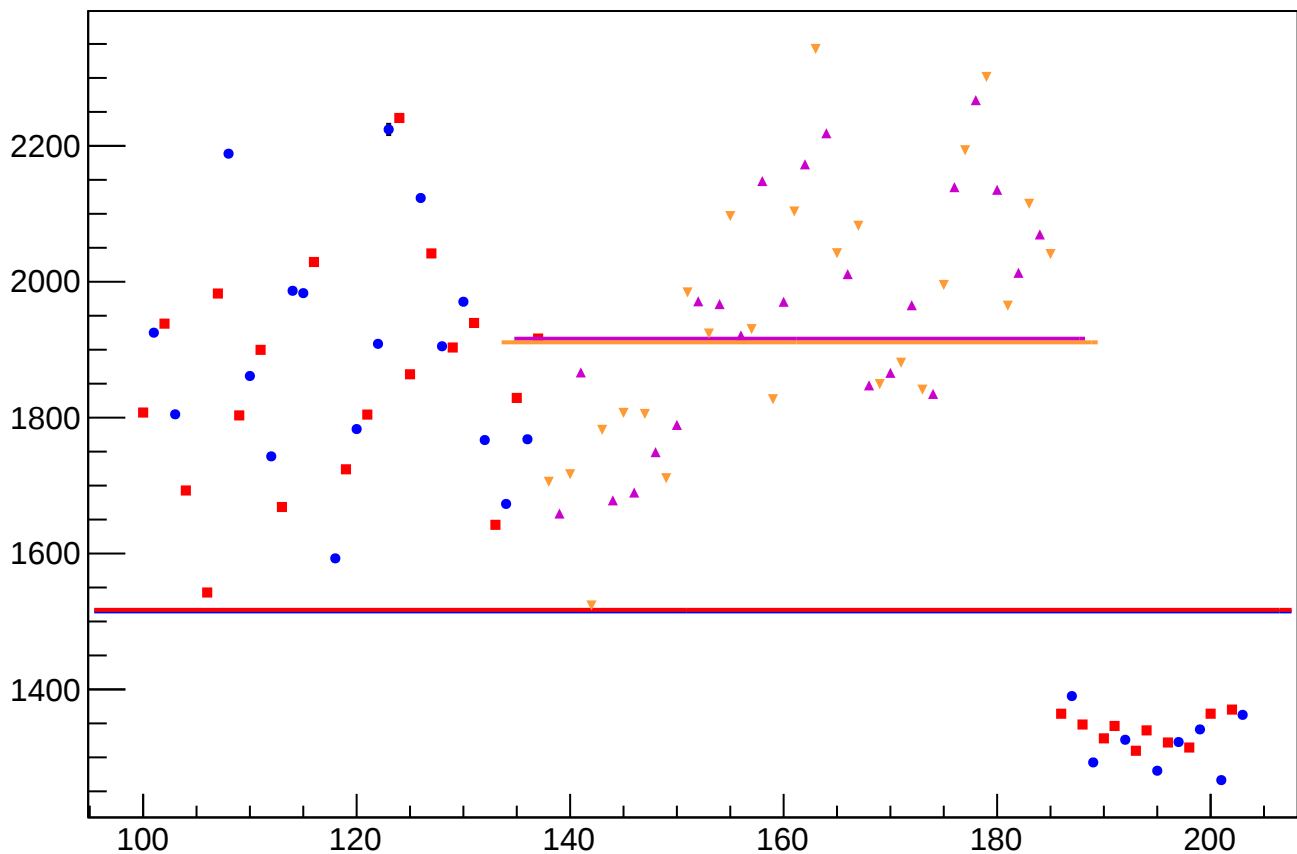
Left In: -3.960 $\pm$ 0.463 χ^2 /NDF: 464.9/22

+ sign 12.395 $\pm$ 0.314 χ^2 /NDF: 746.1/49

All: 5.010 $\pm$ 0.221 χ^2 /NDF: 2648.2/101

- sign -2.214 $\pm$ 0.310 χ^2 /NDF: 806.8/51

diff_bpm0i01aY_rms vs Slug



Right In: 1514.852 $\pm$ 0.311 χ^2 /NDF: 756170.6/24

Left Out: 1910.859 $\pm$ 0.316 χ^2 /NDF: 328970.6/24

Right Out: 1517.109 $\pm$ 0.296 χ^2 /NDF: 700405.3/28

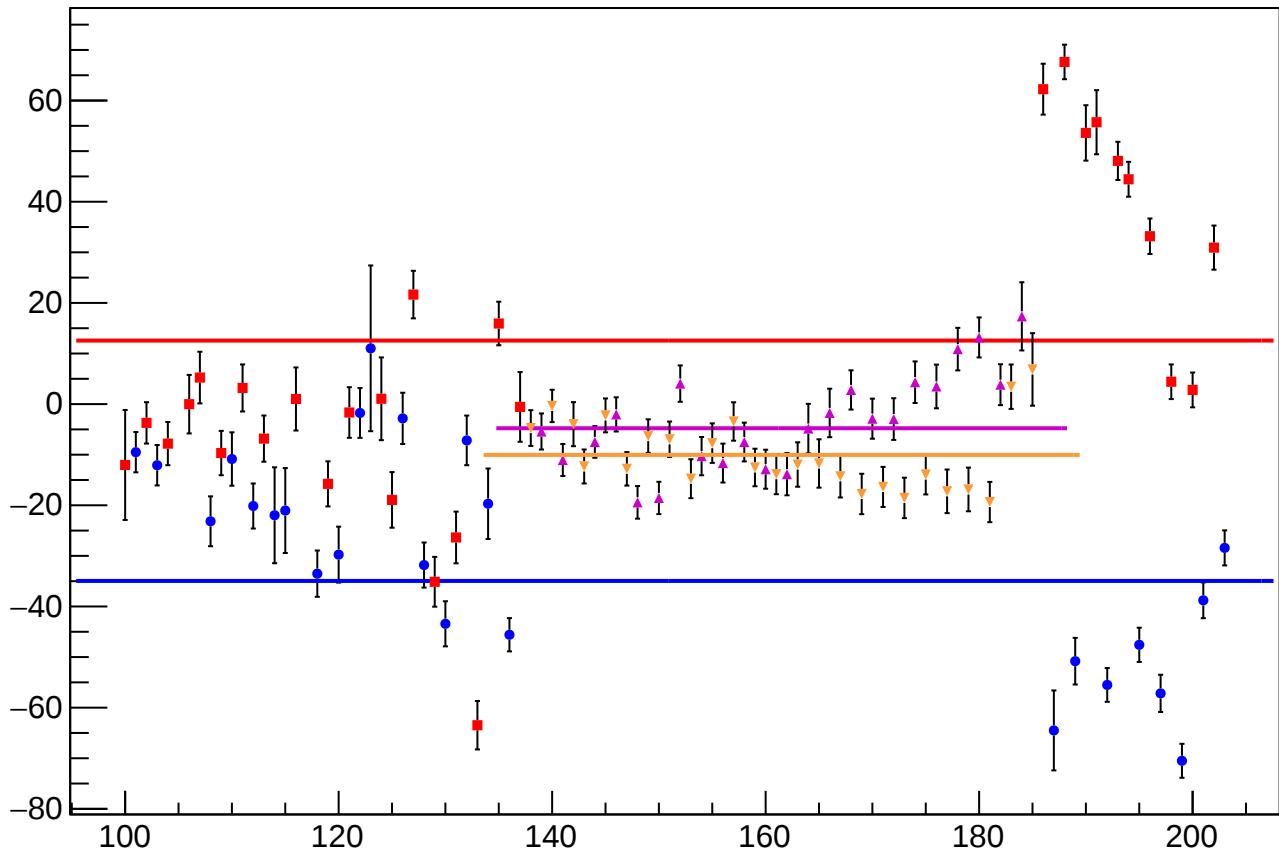
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1709.698 $\pm$ 0.222 χ^2 /NDF: 1881067.4/49

All: 1703.075 $\pm$ 0.156 χ^2 /NDF: 3675566.0/10

- sign 1696.596 $\pm$ 0.219 χ^2 /NDF: 1792736.6/51

diff_bpm0l01X_mean vs Slug



Right In: -34.954 ± 0.889 χ^2/NDF : 492.7/24

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

Right Out: 12.559 ± 0.849 χ^2/NDF : 1297.0/28

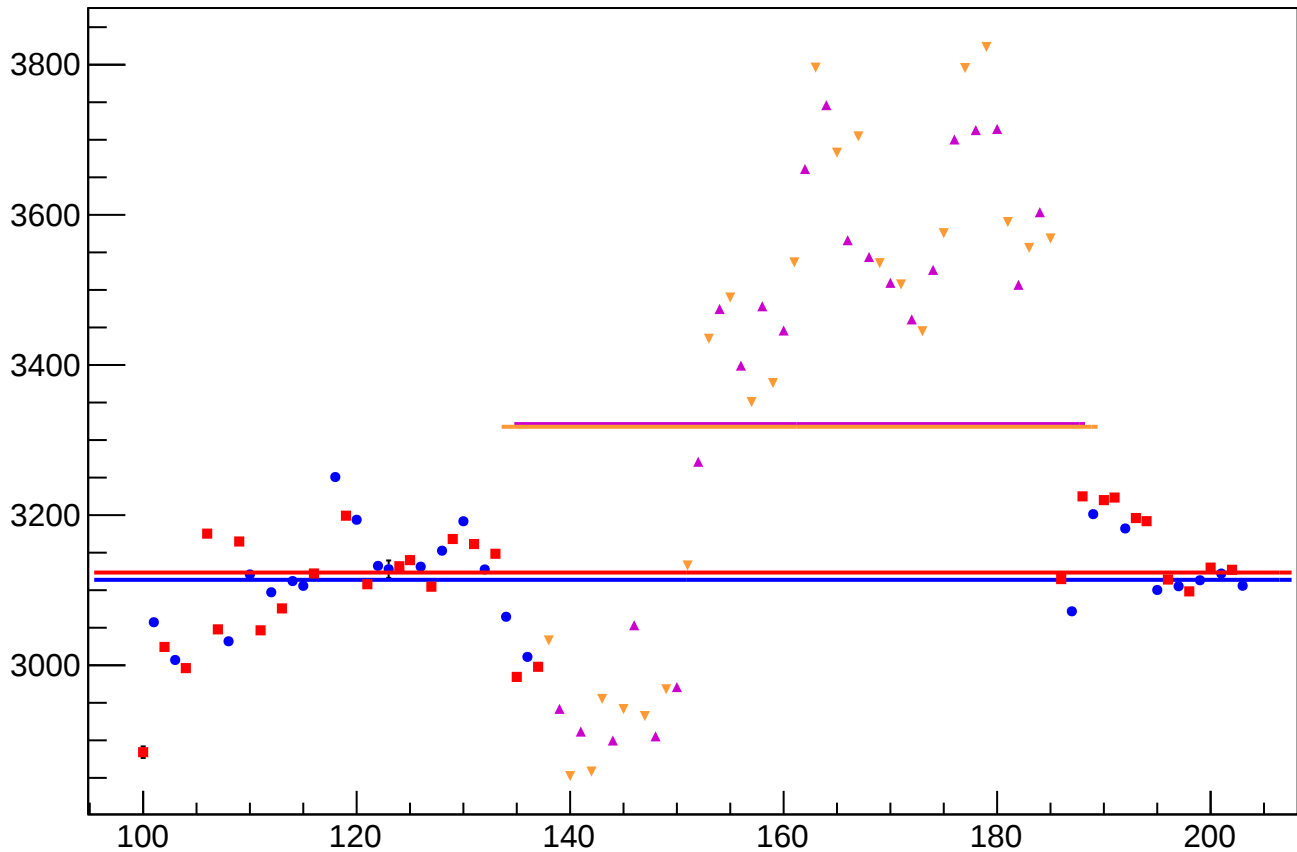
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -20.814 ± 0.585 χ^2/NDF : 1005.0/49

All: -8.667 ± 0.413 χ^2/NDF : 3510.2/101

- sign 3.380 ± 0.582 χ^2/NDF : 1646.1/51

diff_bpm0l01X_rms vs Slug



Right In: 3113.811 $\pm$ 0.629 χ^2 /NDF: 9189.3/24

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

Right Out: 3123.527 $\pm$ 0.601 χ^2 /NDF: 13745.0/28

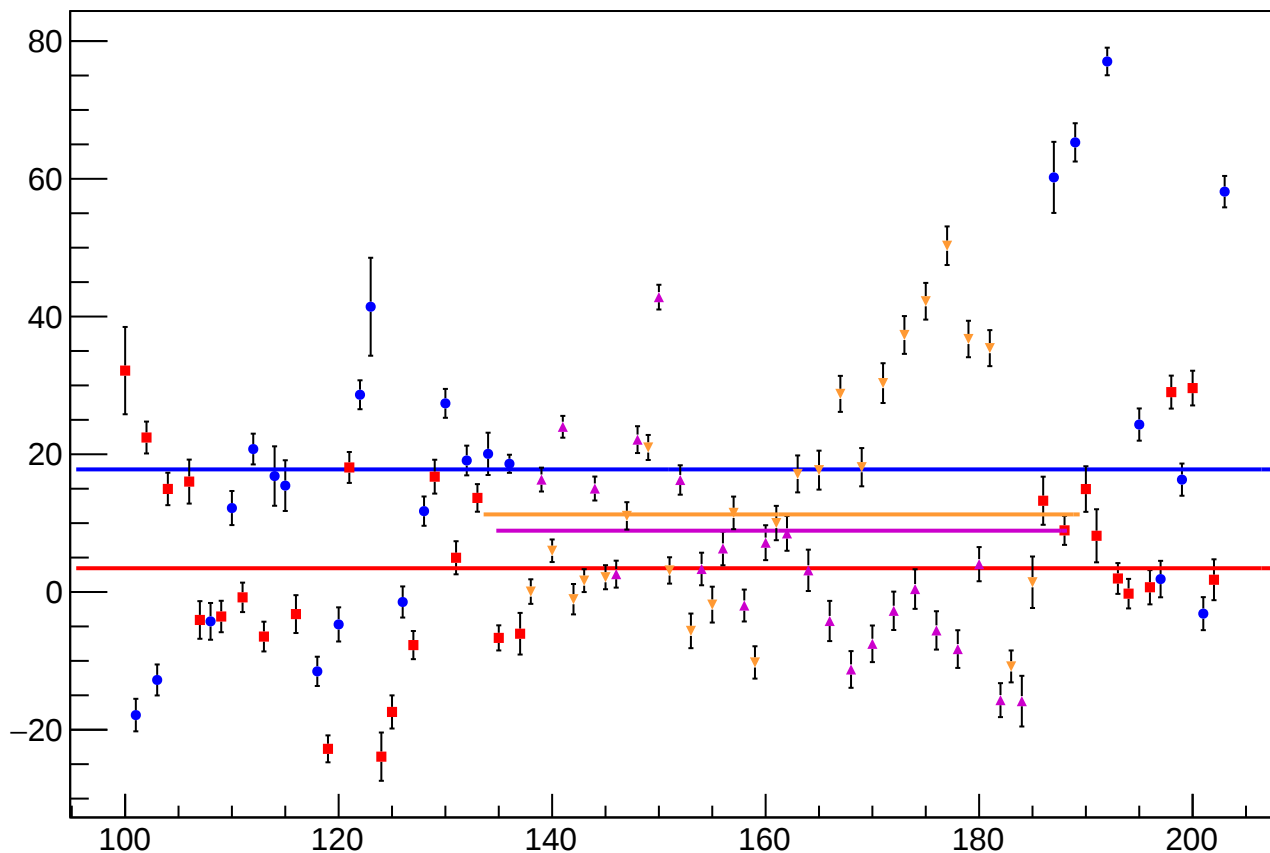
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF:284334.2/22

+ sign 3229.534 $\pm$ 0.414 χ^2 /NDF: 405716.5/49

All: 3228.885 $\pm$ 0.292 χ^2 /NDF: 761223.4/100

- sign 3228.242 $\pm$ 0.412 χ^2 /NDF: 355502.0/51

diff_bpm0l01Y_mean vs Slug



Right In: 17.803 $\pm$ 0.473 χ^2 /NDF: 2568.8/24

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

Right Out: 3.452 $\pm$ 0.455 χ^2 /NDF: 914.6/28

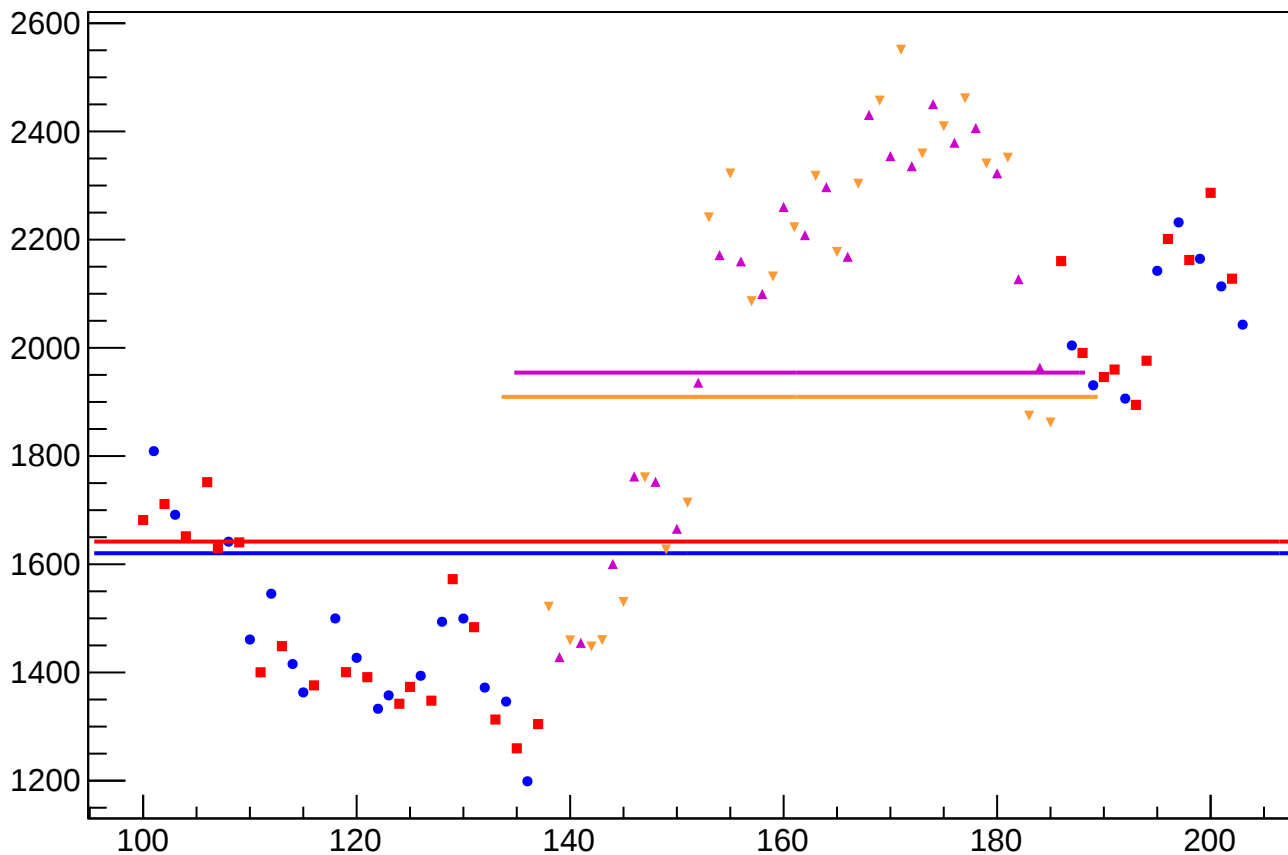
Left In: 8.905 $\pm$ 0.478 χ^2 /NDF:936.3/22

+ sign 14.406 $\pm$ 0.328 χ^2 /NDF: 3809.9/49

All: 10.252 $\pm$ 0.232 χ^2 /NDF: 6052.6/101

- sign 6.049 $\pm$ 0.330 χ^2 /NDF: 1919.2/51

diff_bpm0l01Y_rms vs Slug



Right In: 1620.376 $\pm$ 0.334 χ^2 /NDF: 925408.8/24

Left Out: 1909.387 $\pm$ 0.321 χ^2 /NDF:1398498.0/24

Right Out: 1641.923 $\pm$ 0.322 χ^2 /NDF: 961433.0/28

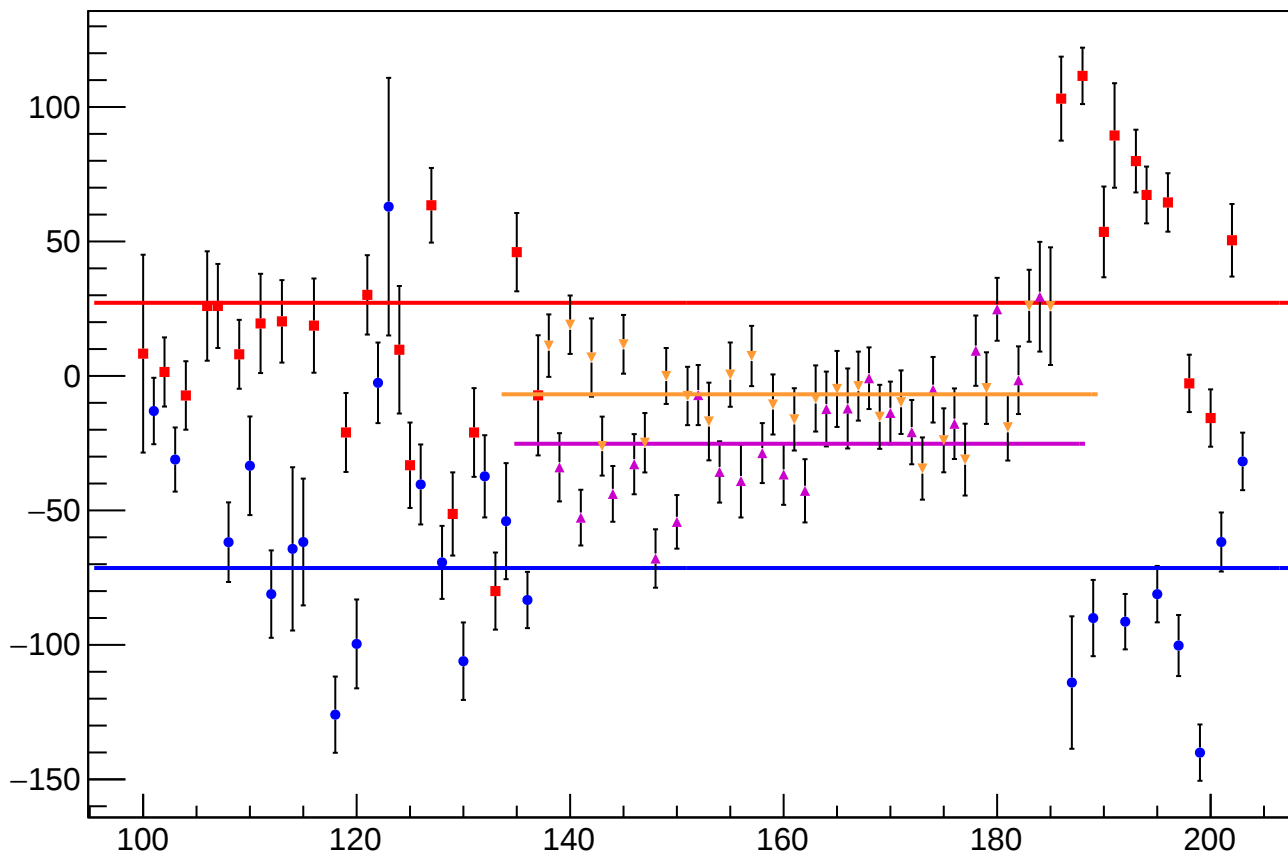
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1770.610 $\pm$ 0.232 χ^2 /NDF: 2712465.8/49

All: 1780.575 $\pm$ 0.164 χ^2 /NDF: 5170534.2/10

- sign 1790.658 $\pm$ 0.233 χ^2 /NDF: 2454345.5/51

diff_bpm0l02X_mean vs Slug



Right In: -71.419 ± 2.766 χ^2/NDF : 176.2/24

Left Out: -6.825 ± 2.423 χ^2/NDF : 42.3/24

Right Out: 27.194 ± 2.646 χ^2/NDF : 316.1/28

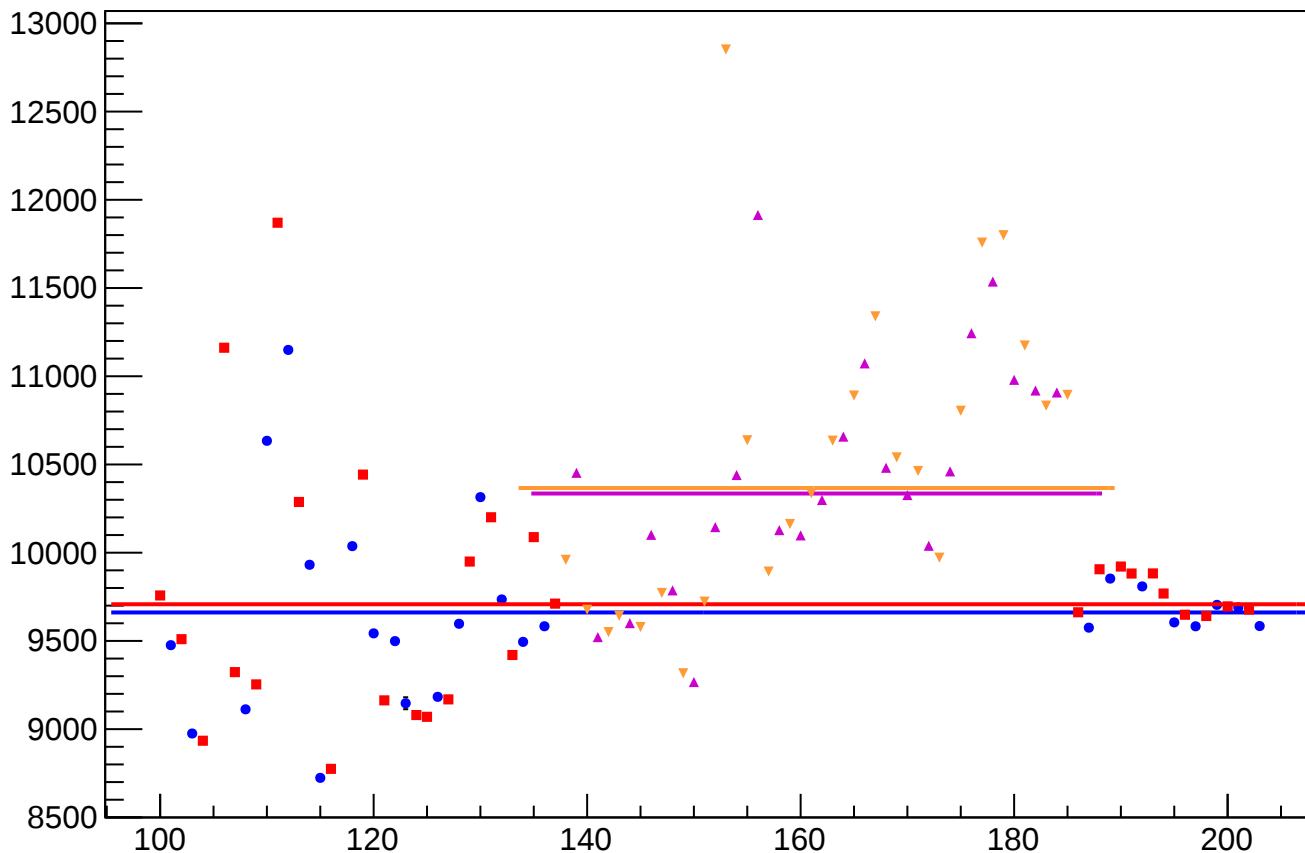
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

+ sign -34.868 ± 1.822 χ^2/NDF : 527.2/49

All: -17.653 ± 1.285 χ^2/NDF : 1318.4/101

- sign -0.634 ± 1.812 χ^2/NDF : 613.7/51

diff_bpm0l02X_rms vs Slug



Right In: 9661.360+/-1.956 χ^2/NDF : 45132.0/24

Left Out: 10366.534+/-1.713 χ^2/NDF : 211402.8/24

Right Out: 9707.817+/-1.871 χ^2/NDF : 79493.6/28

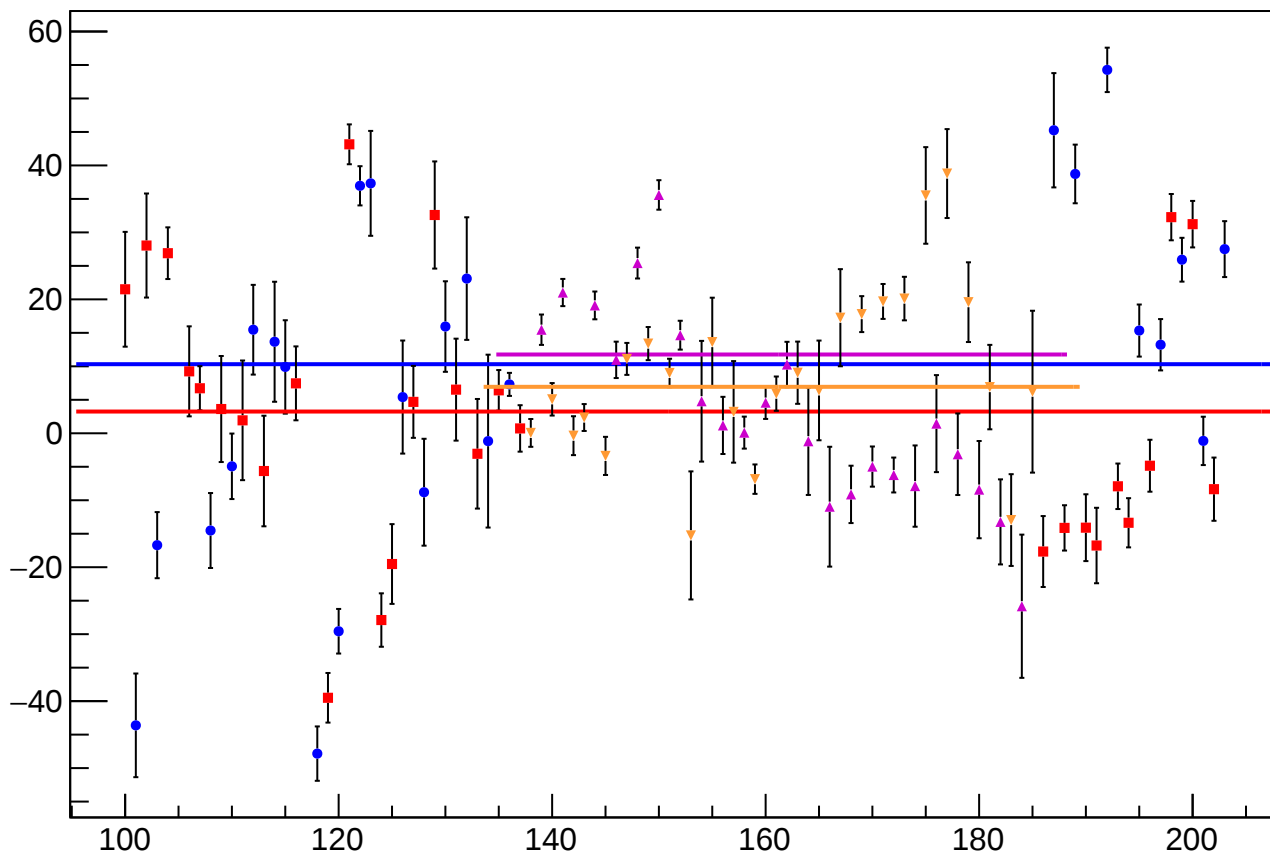
Left In: 10335.399+/-1.758 χ^2/NDF : 127173.0/22

+ sign 10060.391+/-1.289 χ^2/NDF : 330106.5/49

All: 10050.665+/-0.909 χ^2/NDF : 596638.3/100

- sign 10041.050+/-1.281 χ^2/NDF : 266418.5/51

diff_bpm0l02Y_mean vs Slug



Right In: 10.318 ± 0.846 $\chi^2/\text{NDF}: 851.0/24$

Left Out: 6.939 ± 0.639 $\chi^2/\text{NDF}: 203.8/24$

Right Out: 3.248 ± 0.824 $\chi^2/\text{NDF}: 704.0/28$

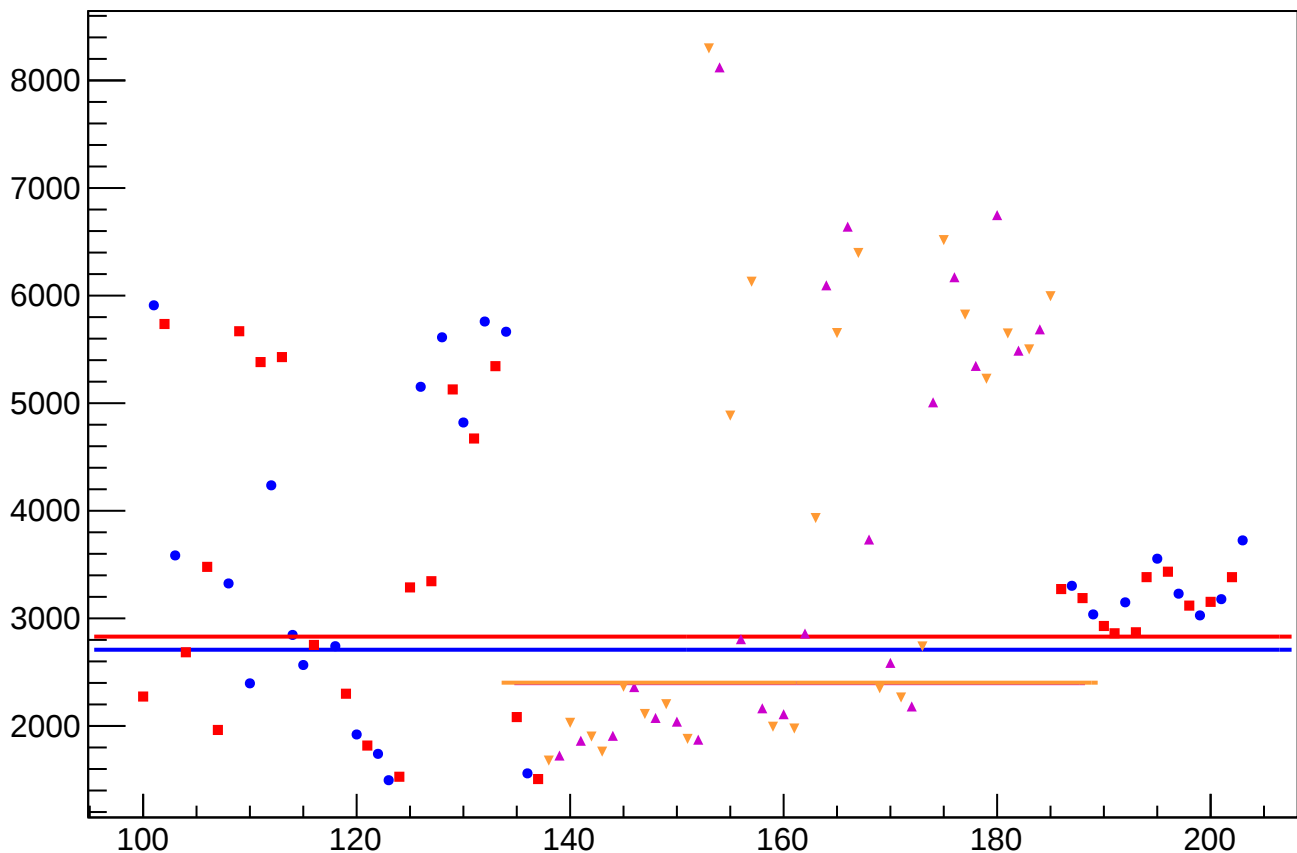
Left In: 11.766 ± 0.648 $\chi^2/\text{NDF}: 395.1/22$

+ sign 8.166 ± 0.510 $\chi^2/\text{NDF}: 1065.0/49$

All: 8.338 ± 0.360 $\chi^2/\text{NDF}: 2230.3/101$

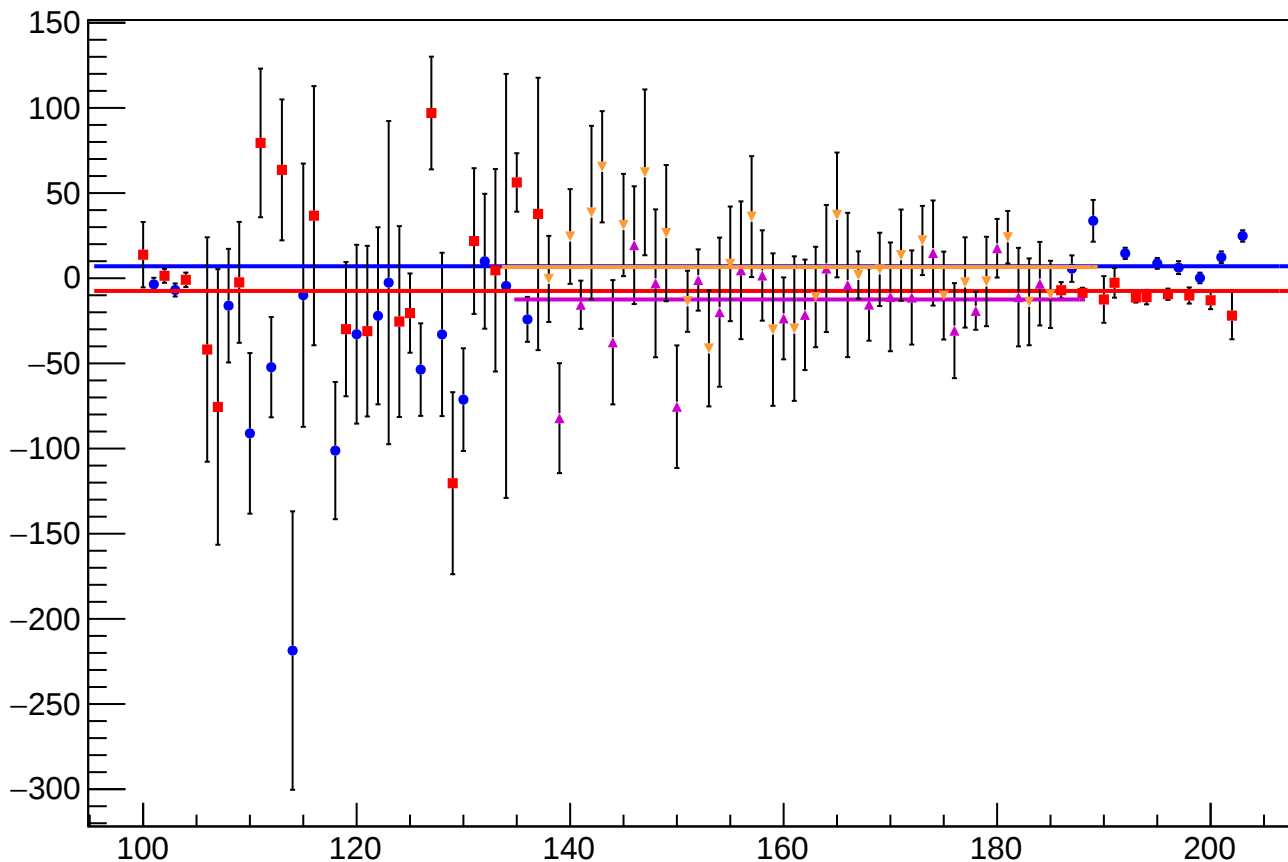
- sign 8.510 ± 0.510 $\chi^2/\text{NDF}: 1165.0/51$

diff_bpm0l02Y_rms vs Slug



Right In: 2708.518+/-0.598	χ^2/NDF : 3127877.0/24	+ sign 2513.490+/-0.360	χ^2/NDF : 9640642.3/49
Left Out: 2402.359+/-0.452	χ^2/NDF : 6345982.8/24		
Right Out: 2830.448+/-0.583	χ^2/NDF : 2656036.5/28	All: 2538.318+/-0.255	χ^2/NDF : 18045674.9/1
Left In: 2397.701+/-0.458	χ^2/NDF : 5398920.1/22	- sign 2563.123+/-0.360	χ^2/NDF : 8395550.0/51

diff_bpm0l03X_mean vs Slug



Right In: 7.030 ± 1.186 χ^2/NDF : 109.5/24

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

Right Out: -7.475 ± 1.240 χ^2/NDF : 52.4/28

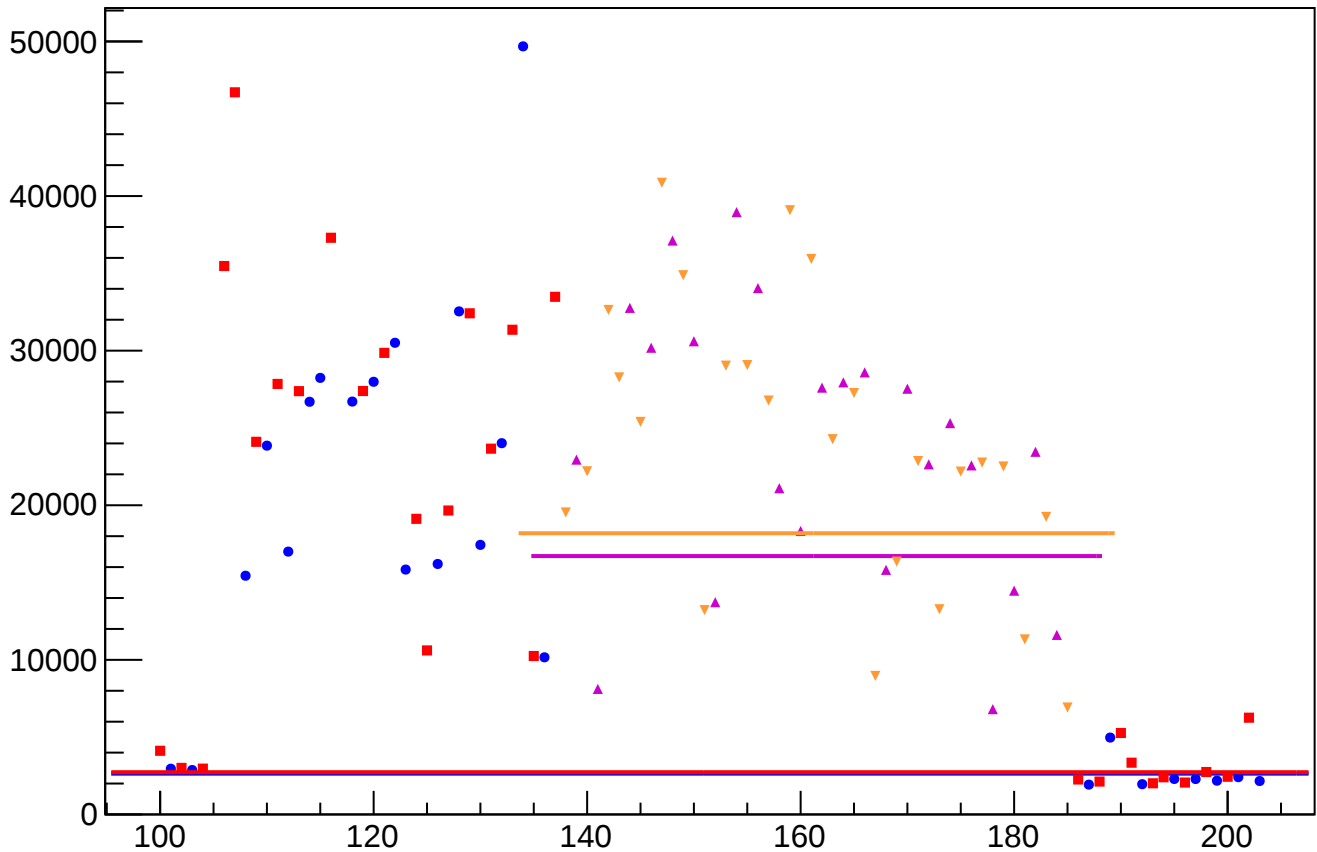
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 7.006 ± 1.155 χ^2/NDF : 126.2/49

All: -0.071 ± 0.834 χ^2/NDF : 273.2/101

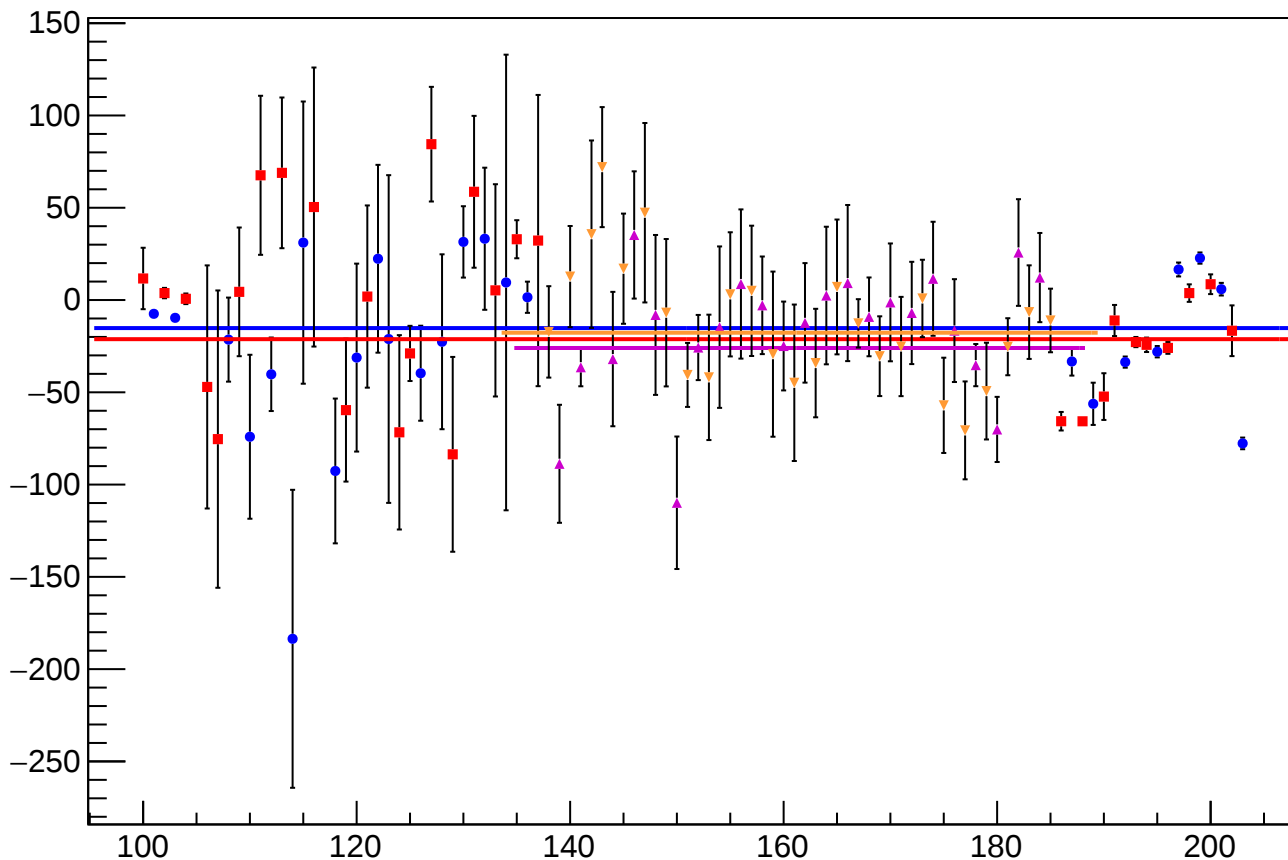
- sign -7.762 ± 1.204 χ^2/NDF : 68.7/51

diff_bpm0l03X_rms vs Slug



Right In: 2640.024+/-0.839	χ^2/NDF : 6968150.6/24	+ sign 3444.788+/-0.817	χ^2/NDF : 30018216.5/49
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 3488.434+/-0.589	χ^2/NDF : 59487038.7/1
Right Out: 2733.099+/-0.877	χ^2/NDF : 8677970.9/28	- sign 3535.870+/-0.851	χ^2/NDF : 29462863.0/51
Left In: 16713.653+/-3.553	χ^2/NDF : 6194178.8/22		

diff_bpm0l03Y_mean vs Slug



Right In: -15.199 ± 1.043 $\chi^2/\text{NDF}: 765.2/24$

Left Out: -17.717 ± 4.974 $\chi^2/\text{NDF}: 27.2/24$

Right Out: -21.208 ± 1.087 $\chi^2/\text{NDF}: 618.4/28$

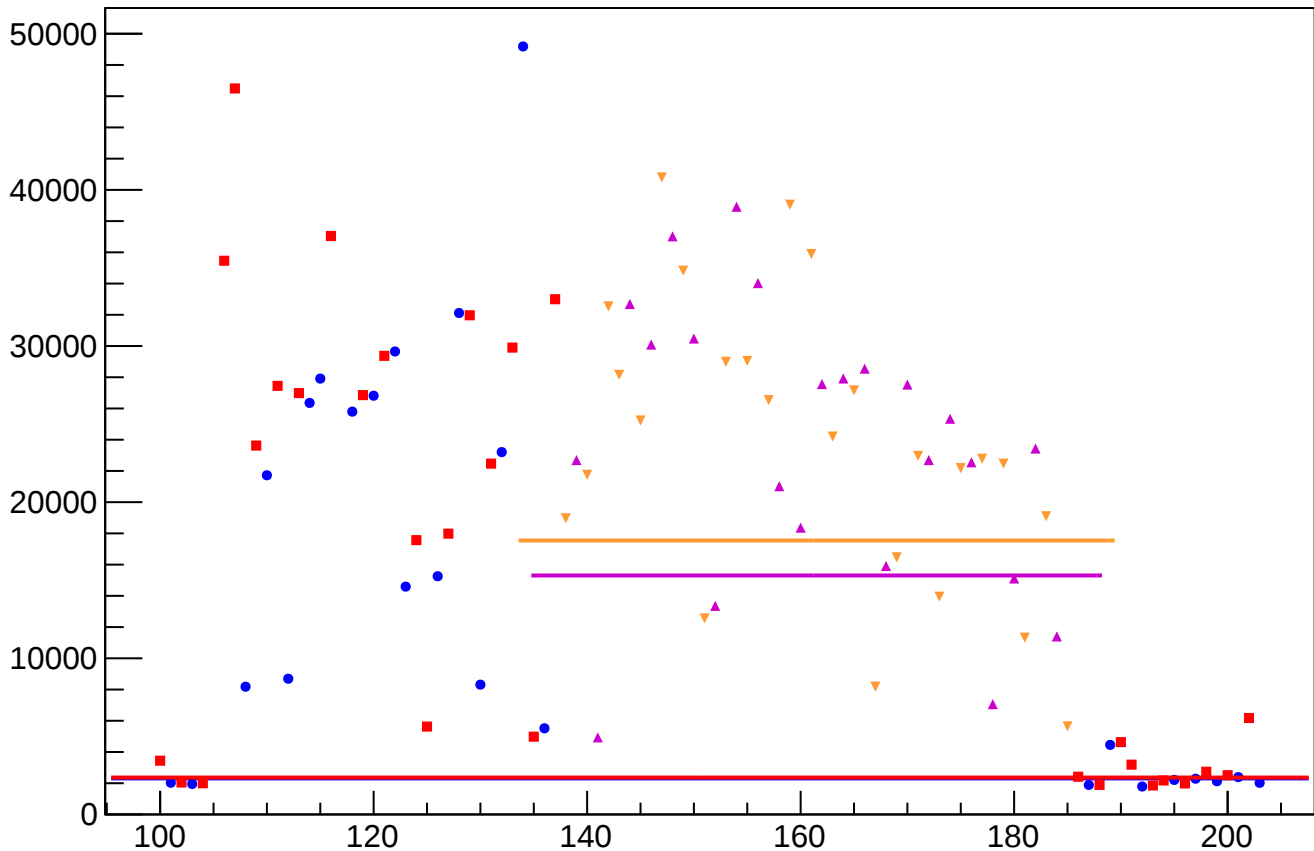
Left In: -25.991 ± 4.789 $\chi^2/\text{NDF}: 32.6/22$

+ sign -15.305 ± 1.021 $\chi^2/\text{NDF}: 792.6/49$

All: -18.260 ± 0.735 $\chi^2/\text{NDF}: 1461.9/101$

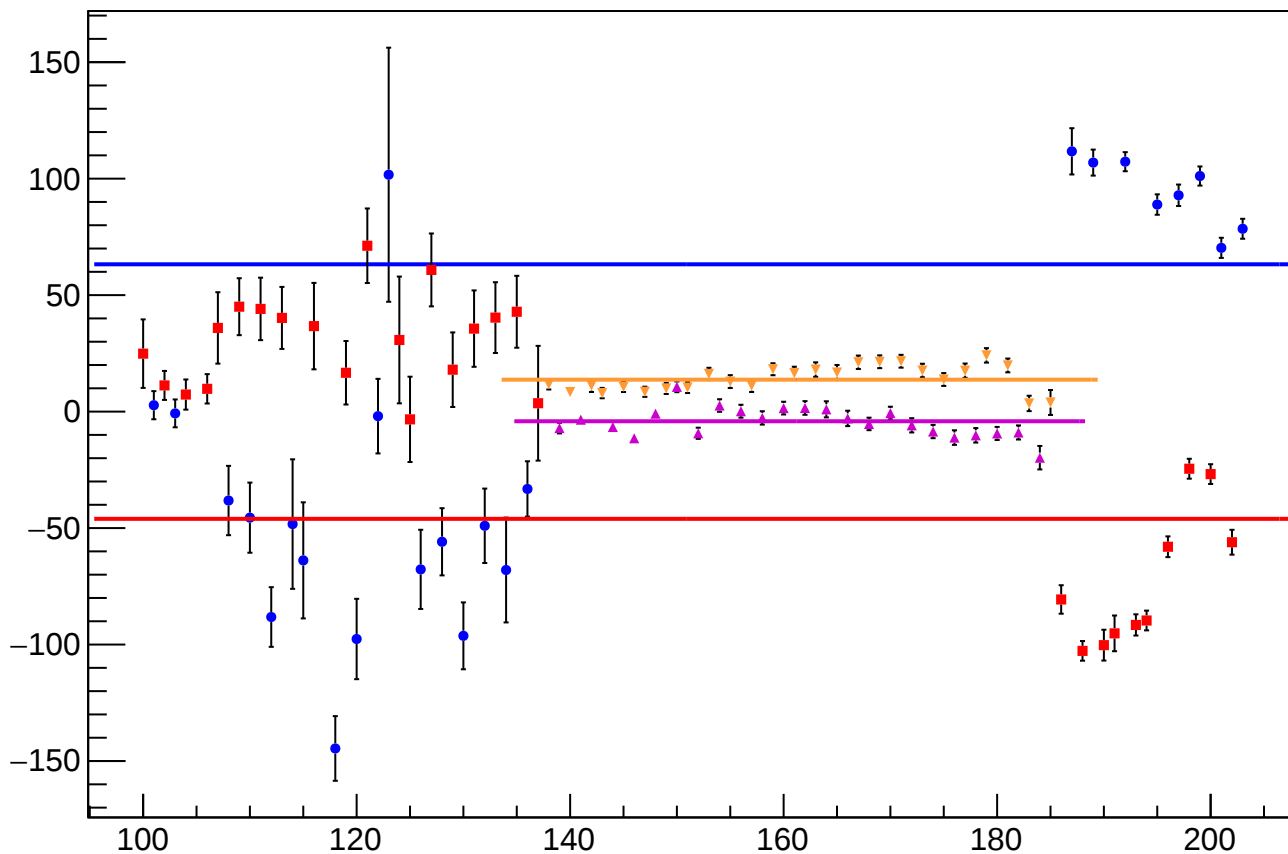
- sign -21.442 ± 1.060 $\chi^2/\text{NDF}: 651.9/51$

diff_bpm0l03Y_rms vs Slug



Right In: 2310.079+/-0.738	χ^2/NDF : 5795293.5/24	+ sign 2951.991+/-0.722	χ^2/NDF : 29671386.8/49
Left Out: 17546.173+/-3.517	χ^2/NDF : 5902620.4/24	All: 2973.874+/-0.520	χ^2/NDF : 59599682.5/51
Right Out: 2363.626+/-0.768	χ^2/NDF : 8314153.4/28	- sign 2997.452+/-0.749	χ^2/NDF : 29926387.2/51
Left In: 15305.311+/-3.386	χ^2/NDF : 7721177.0/22		

diff_bpm0l04X_mean vs Slug



Right In: 63.233+/-1.442 χ^2/NDF : 1600.8/24

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

Right Out: -46.034+/-1.333 χ^2/NDF : 1274.3/28

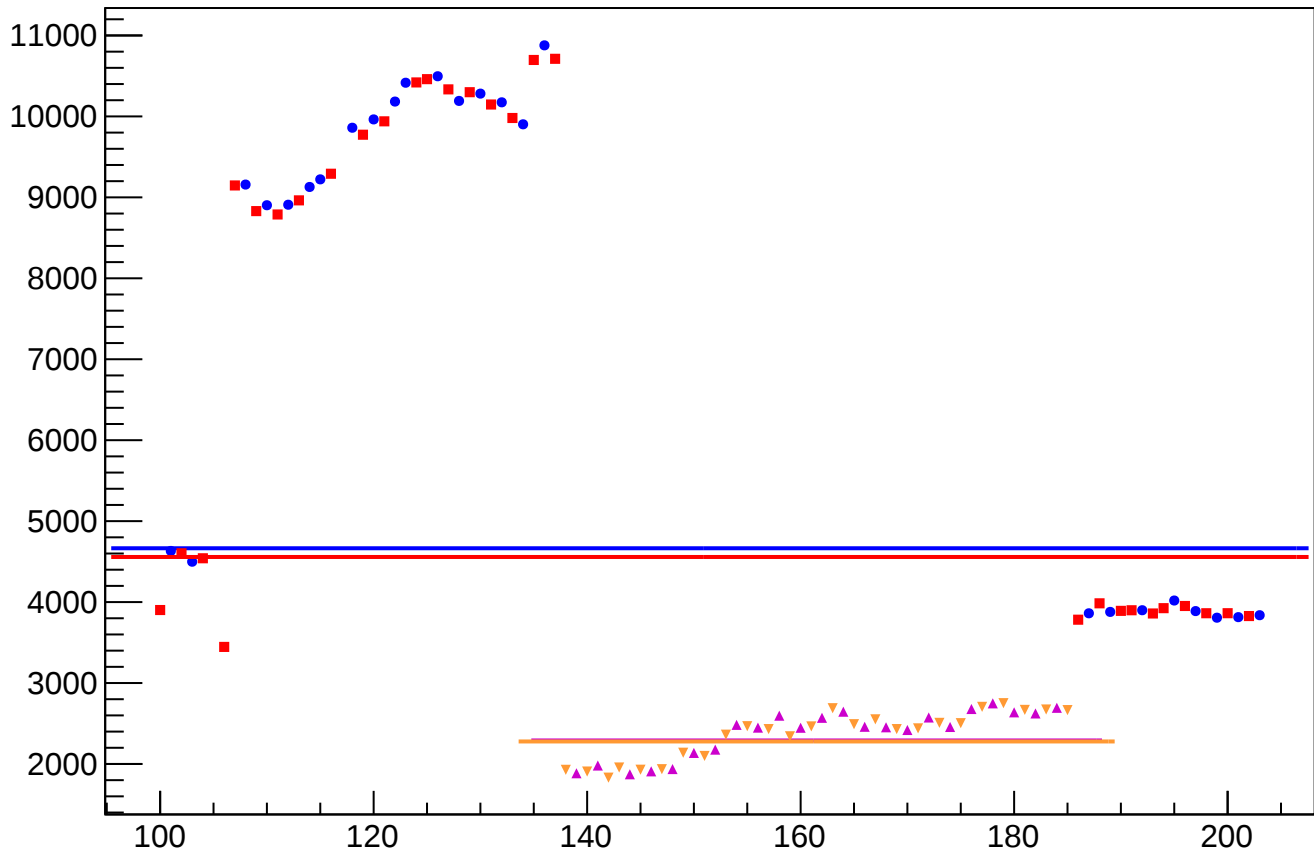
Left In: -4.141+/-0.555 χ^2/NDF : 111.7/22

+ sign 19.703+/-0.502 χ^2/NDF : 2726.8/49

All: 4.997+/-0.358 χ^2/NDF : 6707.9/101

- sign -10.325+/-0.512 χ^2/NDF : 2227.6/51

diff_bpm0l04X_rms vs Slug



Right In: 4664.964+/-1.020 χ^2/NDF : 3600816.0/24

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

Right Out: 4557.204+/-0.943 χ^2/NDF : 3694042.0/28

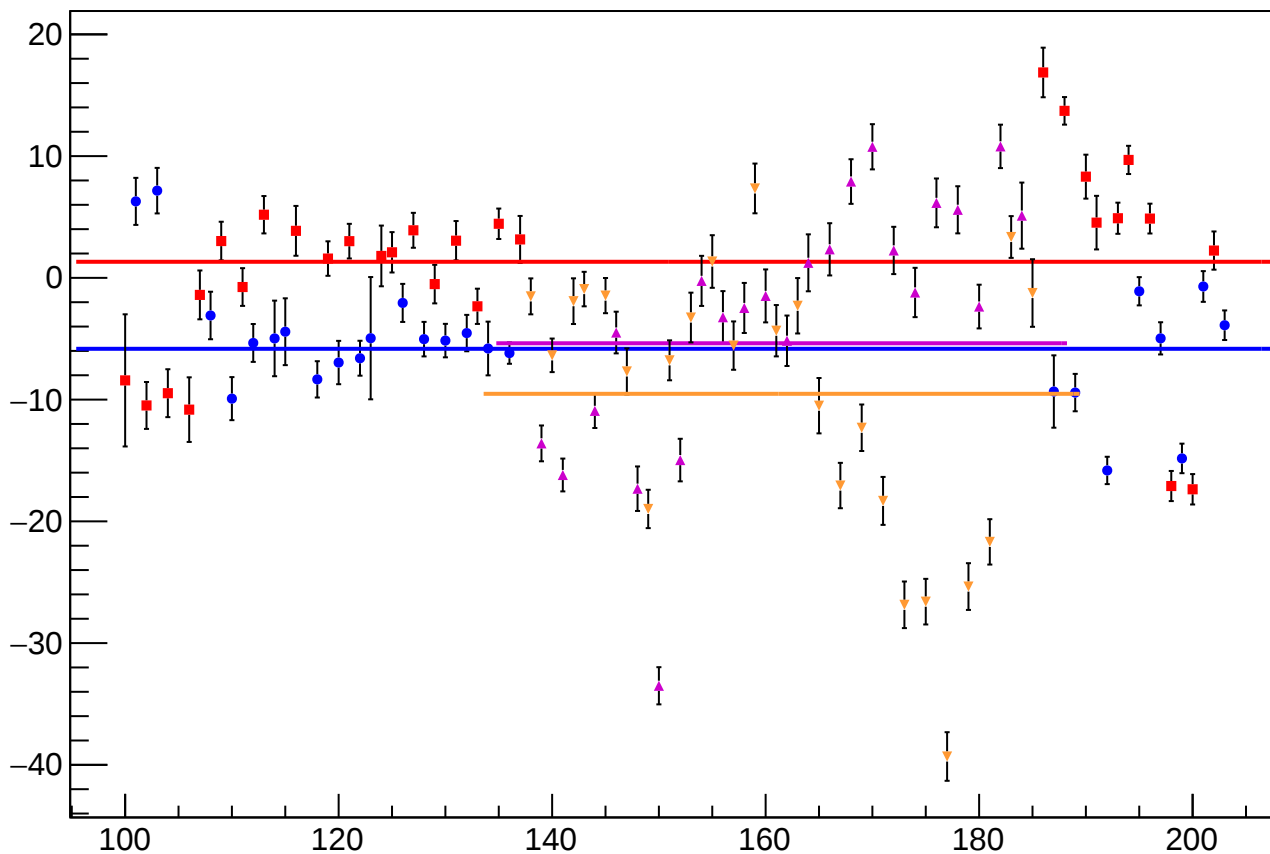
Left In: 2290.461+/-0.392 χ^2/NDF : 590272.1/22

+ sign 2566.983+/-0.355 χ^2/NDF : 9021198.2/49

All: 2595.429+/-0.253 χ^2/NDF : 18246844.3/51

- sign 2625.065+/-0.362 χ^2/NDF : 9212524.2/51

diff_bpm0l04Y_mean vs Slug



Right In: -5.827 ± 0.300 $\chi^2/\text{NDF}: 283.3/24$

Left Out: -9.524 ± 0.365 $\chi^2/\text{NDF}: 884.1/24$

Right Out: 1.321 ± 0.290 $\chi^2/\text{NDF}: 834.9/28$

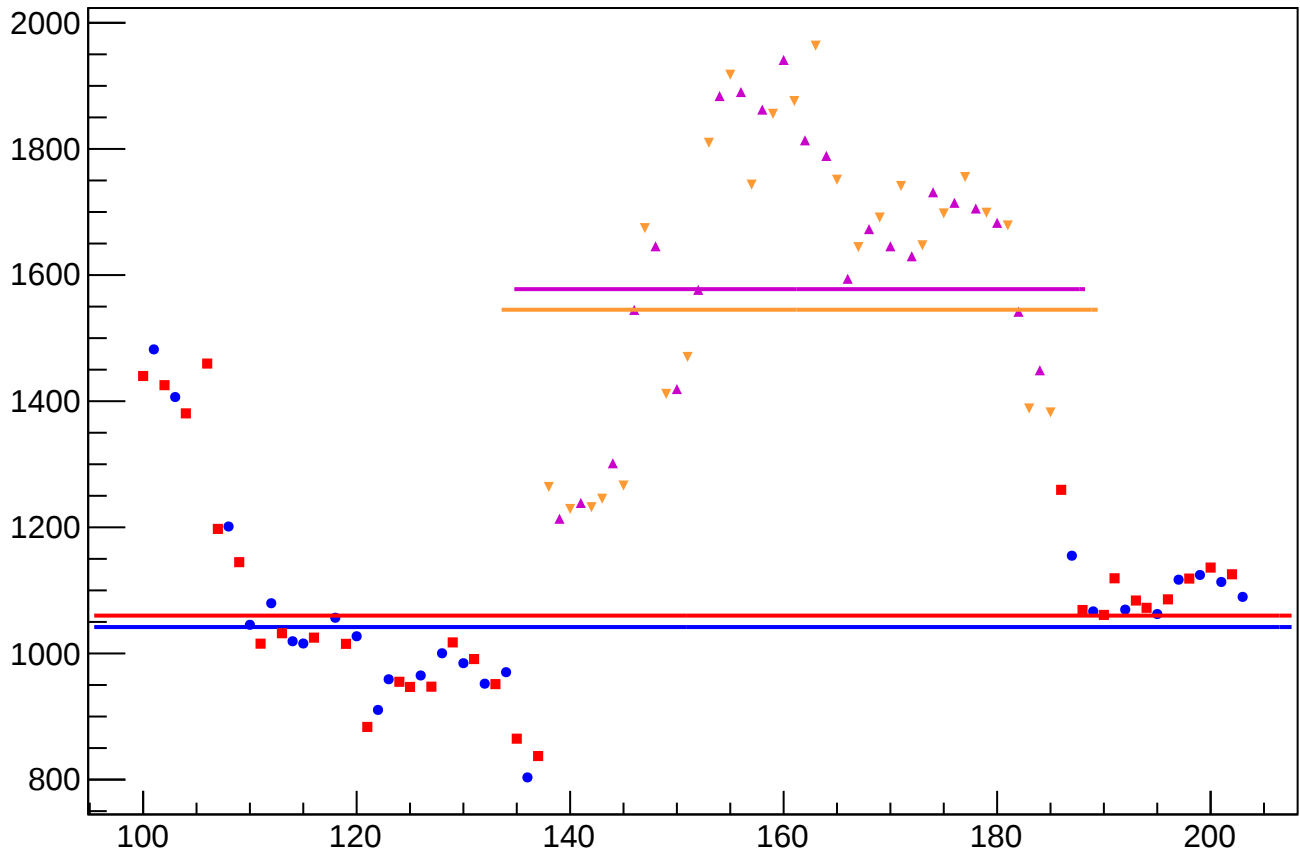
Left In: -5.372 ± 0.383 $\chi^2/\text{NDF}: 869.8/22$

+ sign -7.320 ± 0.232 $\chi^2/\text{NDF}: 1228.6/49$

All: -4.216 ± 0.164 $\chi^2/\text{NDF}: 3485.3/101$

- sign -1.123 ± 0.231 $\chi^2/\text{NDF}: 1898.7/51$

diff_bpm0l04Y_rms vs Slug



Right In: 1041.883 $\pm$ 0.212 χ^2 /NDF: 409792.8/24

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

Right Out: 1060.029 $\pm$ 0.205 χ^2 /NDF: 385935.5/28

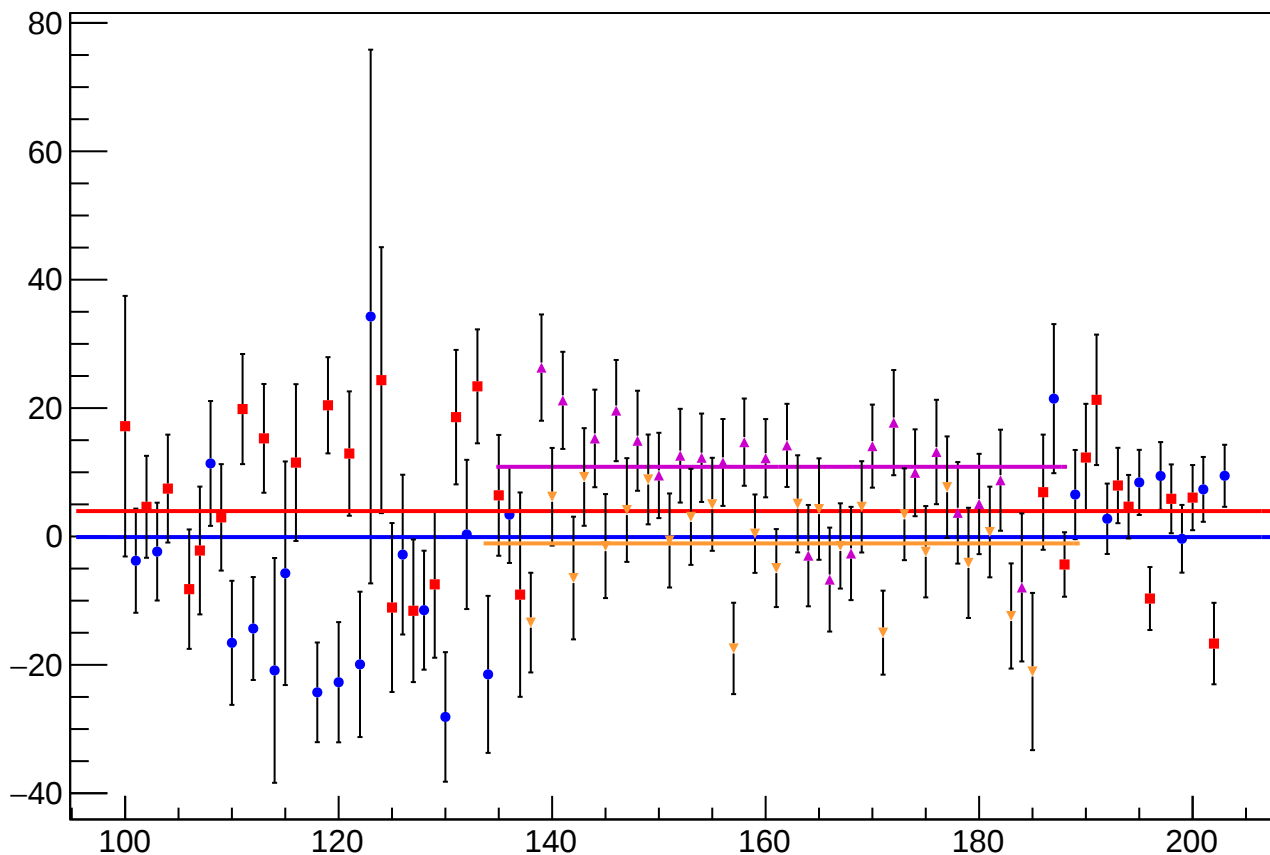
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1245.103 $\pm$ 0.164 χ^2 /NDF: 3521038.9/49

All: 1247.081 $\pm$ 0.116 χ^2 /NDF: 6853312.8/10

- sign 1249.051 $\pm$ 0.164 χ^2 /NDF: 3331983.3/51

diff_bpm0l05X_mean vs Slug



Right In: -0.095 ± 1.532 $\chi^2/\text{NDF}: 57.9/24$

Left Out: -1.083 ± 1.487 $\chi^2/\text{NDF}: 27.5/24$

Right Out: 3.954 ± 1.446 $\chi^2/\text{NDF}: 52.5/28$

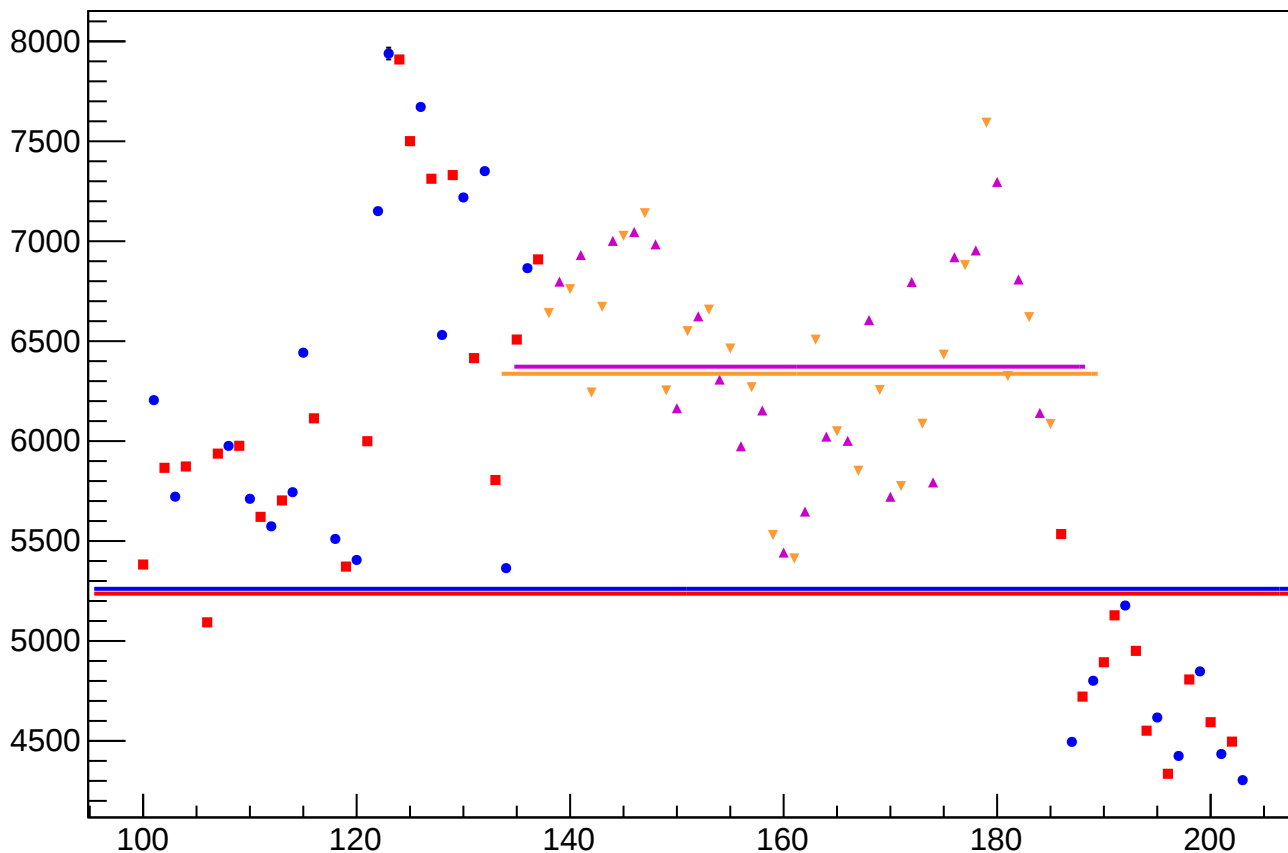
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

+ sign -0.604 ± 1.067 $\chi^2/\text{NDF}: 85.6/49$

All: 3.335 ± 0.750 $\chi^2/\text{NDF}: 200.1/101$

- sign 7.182 ± 1.055 $\chi^2/\text{NDF}: 87.5/51$

diff_bpm0l05X_rms vs Slug



Right In: 5260.954 $\pm$ 1.083 χ^2 /NDF: 718388.4/24

Left Out: 6336.876 $\pm$ 1.052 χ^2 /NDF: 222912.5/24

Right Out: 5236.744 $\pm$ 1.023 χ^2 /NDF: 615173.6/28

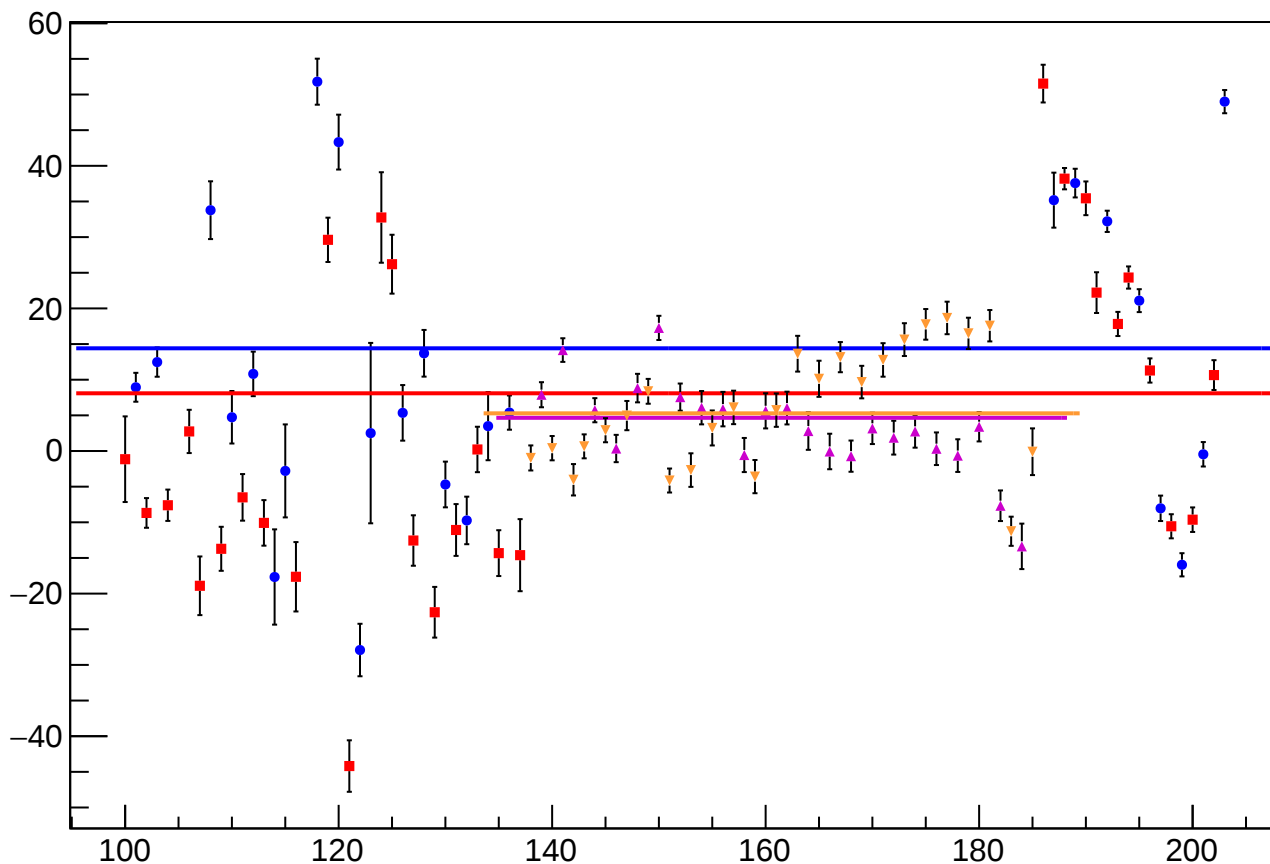
Left In: 6372.349 $\pm$ 1.090 χ^2 /NDF: 247257.0/22

+ sign 5814.927 $\pm$ 0.755 χ^2 /NDF: 1449141.6/49

All: 5791.329 $\pm$ 0.530 χ^2 /NDF: 2890781.5/10

- sign 5768.276 $\pm$ 0.746 χ^2 /NDF: 1439706.4/51

diff_bpm0l05Y_mean vs Slug



Right In: 14.405 $\pm$ 0.492 χ^2 /NDF: 1861.5/24

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

Right Out: 8.095 $\pm$ 0.465 χ^2 /NDF: 2005.3/28

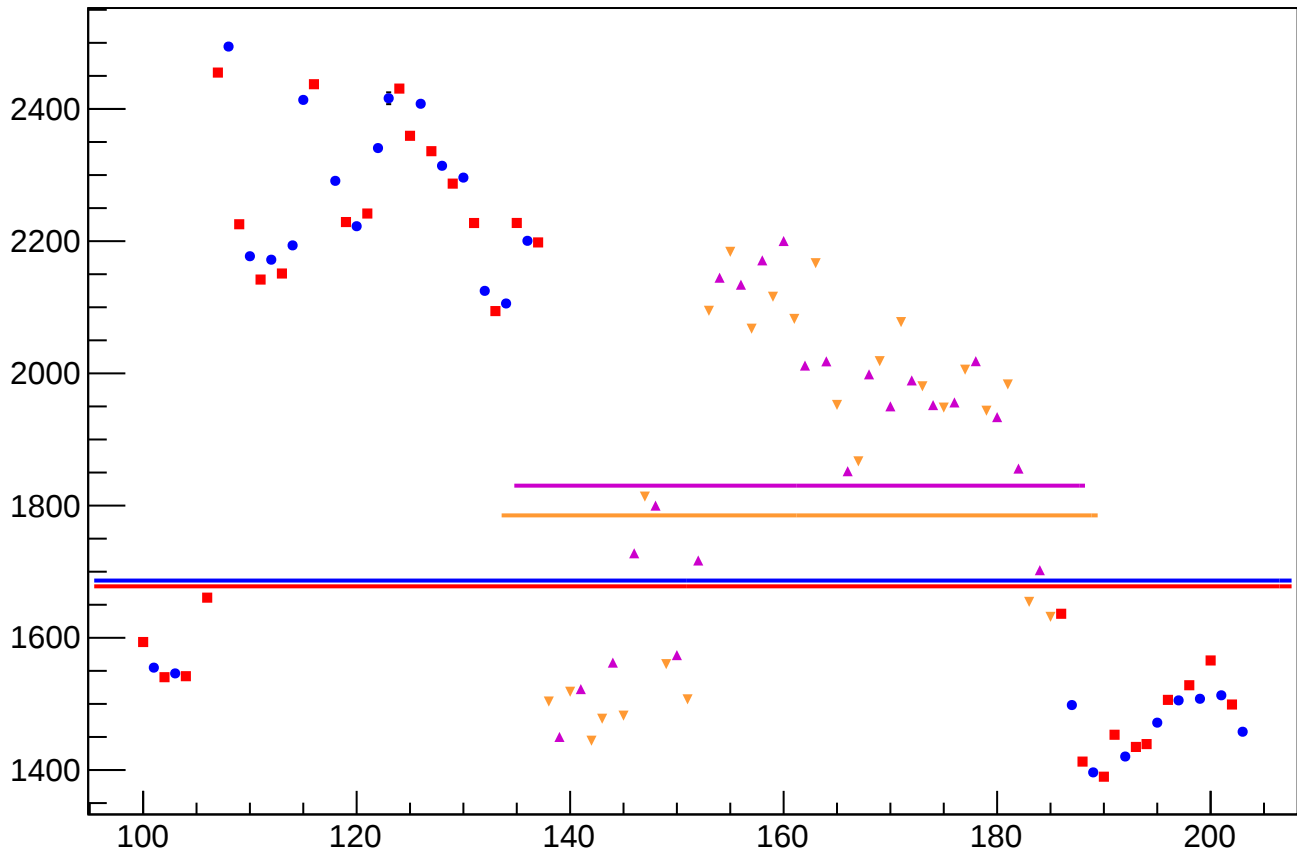
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF:196.5/22

+ sign 9.137 $\pm$ 0.320 χ^2 /NDF: 2426.1/49

All: 7.721 $\pm$ 0.227 χ^2 /NDF: 4696.0/101

- sign 6.293 $\pm$ 0.321 χ^2 /NDF: 2230.4/51

diff_bpm0l05Y_rms vs Slug



Right In: 1686.611 $\pm$ 0.348 χ^2 /NDF: 1002680.1/24

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

Right Out: 1677.856 $\pm$ 0.329 χ^2 /NDF: 1018764.3/28

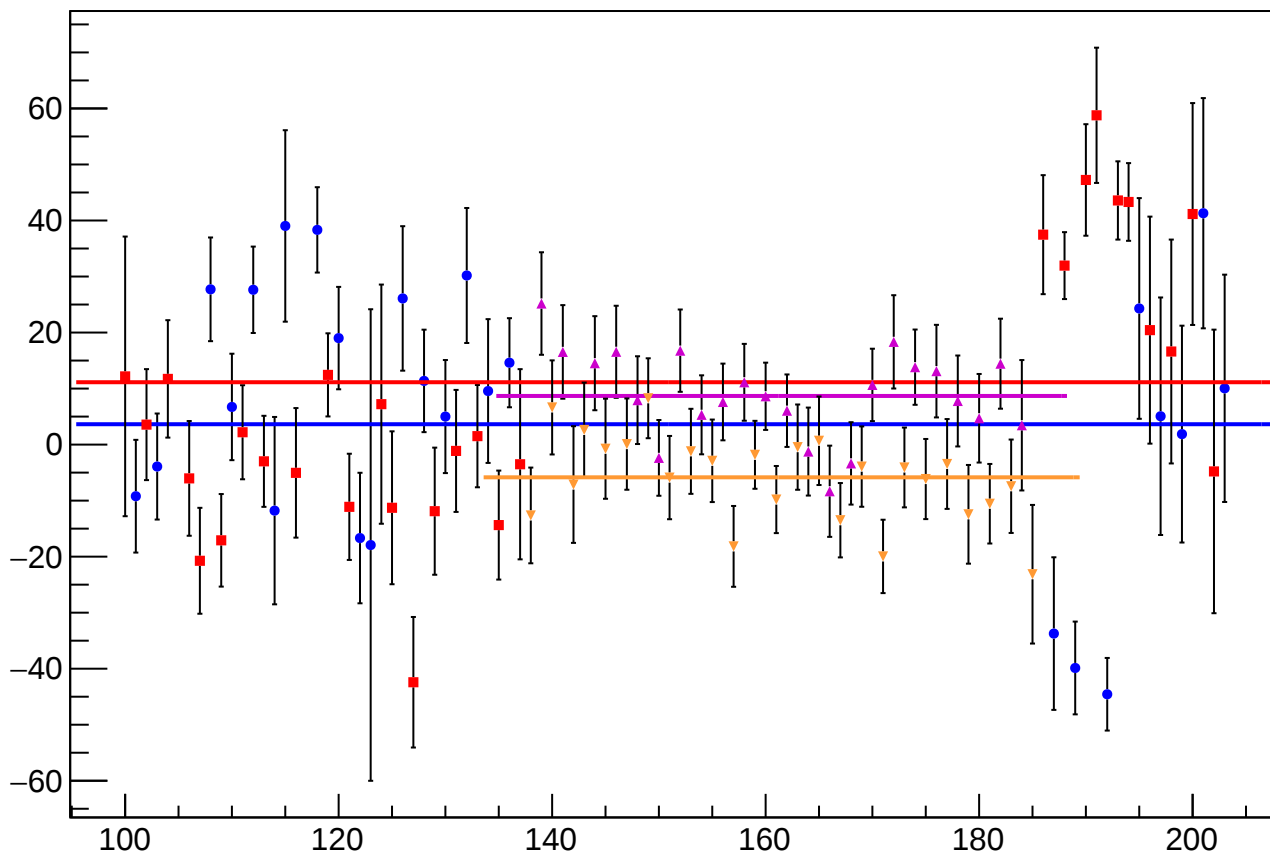
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1743.543 $\pm$ 0.226 χ^2 /NDF: 1799687.3/49

All: 1750.580 $\pm$ 0.160 χ^2 /NDF: 3441132.6/100

- sign 1757.671 $\pm$ 0.227 χ^2 /NDF: 1639500.3/51

diff_bpm0l06X_mean vs Slug



Right In: 3.637 ± 2.145 $\chi^2/\text{NDF}: 156.6/24$

Left Out: -5.840 ± 1.518 $\chi^2/\text{NDF}: 23.3/24$

Right Out: 11.133 ± 1.877 $\chi^2/\text{NDF}: 169.2/28$

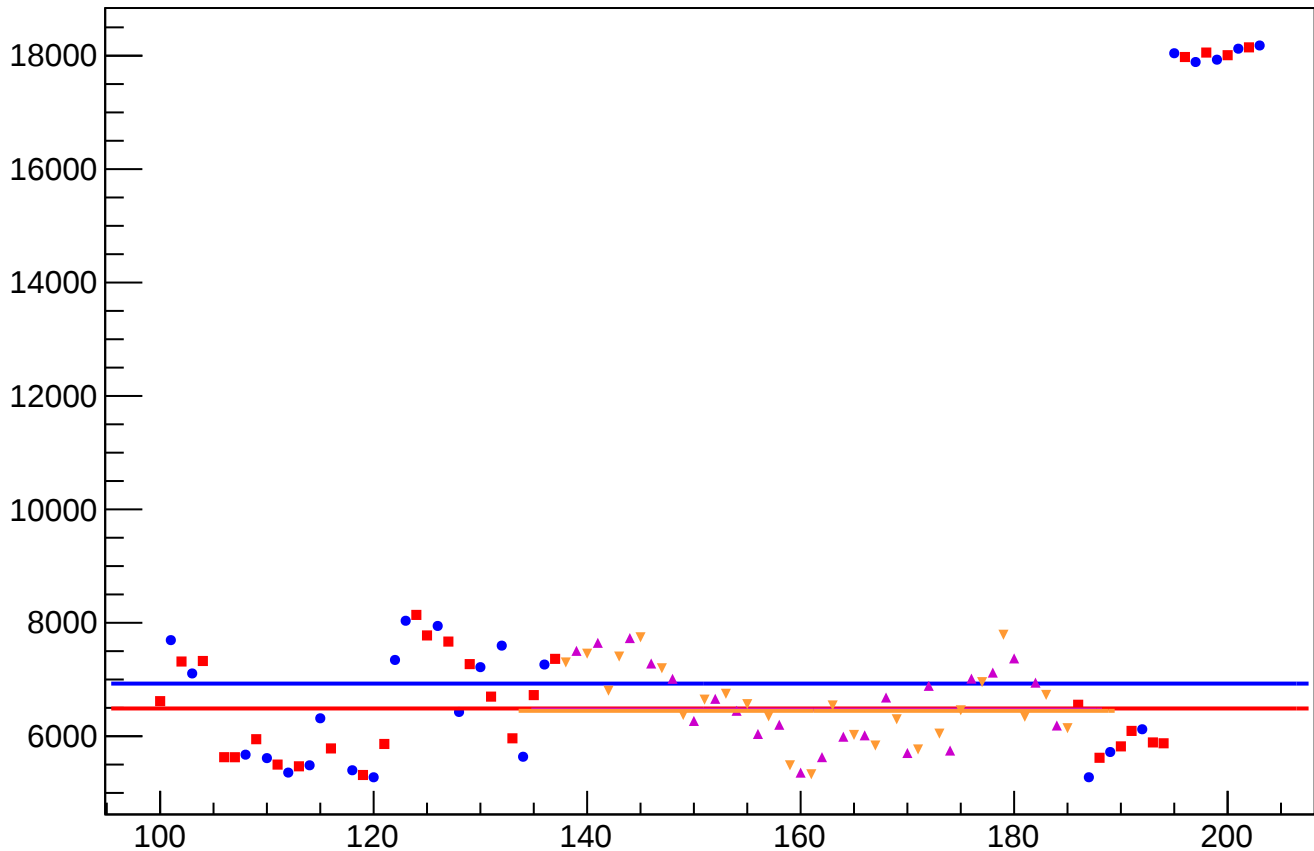
Left In: 8.683 ± 1.571 $\chi^2/\text{NDF}: 21.9/22$

+ sign -2.676 ± 1.239 $\chi^2/\text{NDF}: 192.9/49$

All: 3.683 ± 0.864 $\chi^2/\text{NDF}: 436.2/101$

- sign 9.692 ± 1.205 $\chi^2/\text{NDF}: 192.1/51$

diff_bpm0l06X_rms vs Slug



Right In: 6927.921 ± 1.517 $\chi^2/\text{NDF}: 3517122.8/24$

Left Out: 6447.712 ± 1.074 $\chi^2/\text{NDF}: 371671.1/24$

Right Out: 6489.145 ± 1.327 $\chi^2/\text{NDF}: 2763625.9/28$

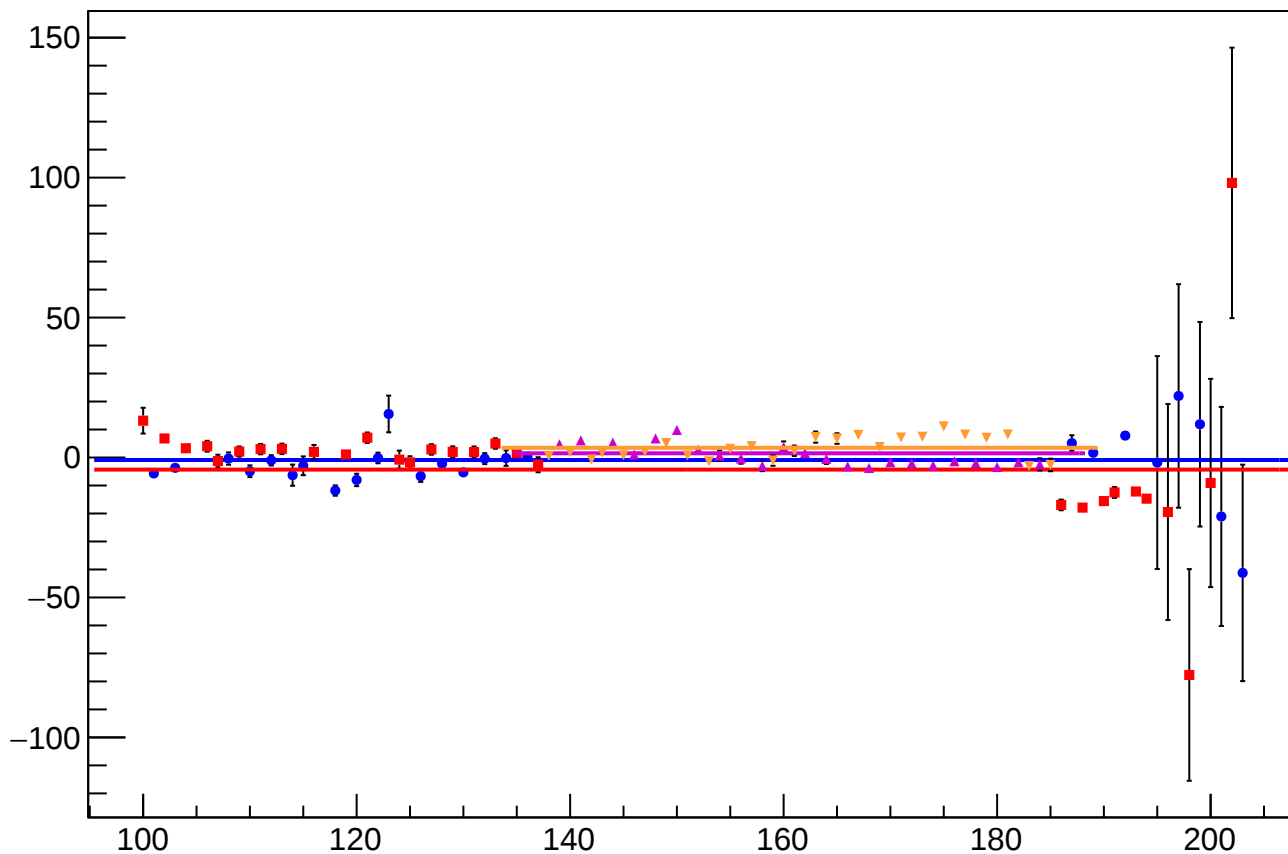
Left In: 6468.902 ± 1.111 $\chi^2/\text{NDF}: 383325.4/22$

+ sign 6608.021 ± 0.876 $\chi^2/\text{NDF}: 3955583.0/49$

All: 6540.776 ± 0.611 $\chi^2/\text{NDF}: 7114125.0/10$

- sign 6477.237 ± 0.852 $\chi^2/\text{NDF}: 3147088.1/51$

diff_bpm0l06Y_mean vs Slug



Right In: -0.893 ± 0.406 χ^2/NDF : 173.1/24

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

Right Out: -4.317 ± 0.355 χ^2/NDF : 670.5/28

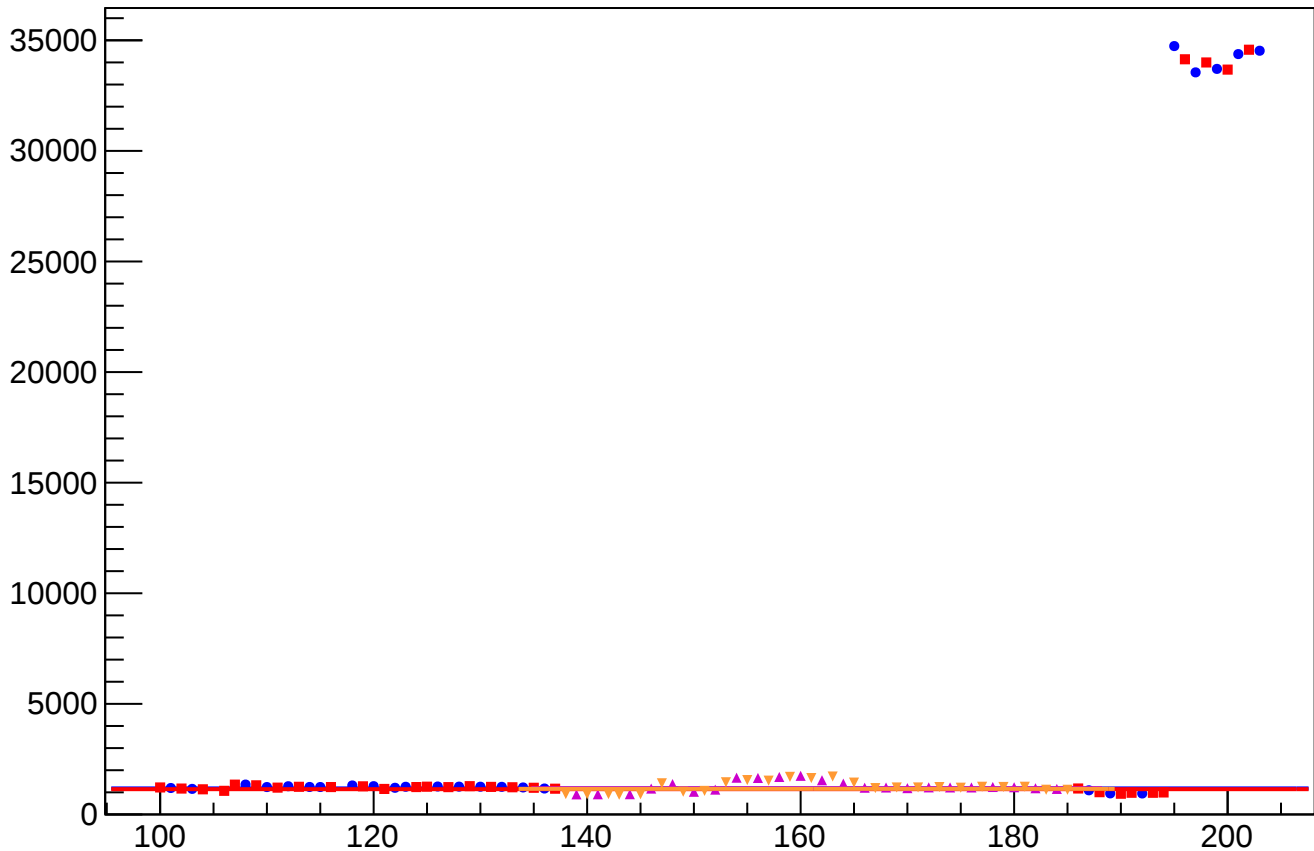
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.087 ± 0.228 χ^2/NDF : 428.1/49

All: 0.602 ± 0.160 χ^2/NDF : 1545.6/101

- sign -0.836 ± 0.225 χ^2/NDF : 1034.3/51

diff_bpm0l06Y_rms vs Slug



Right In: 1177.447 $\pm$ 0.287 χ^2 /NDF: 7596930.6/24

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

Right Out: 1142.941 $\pm$ 0.251 χ^2 /NDF: 5702255.1/28

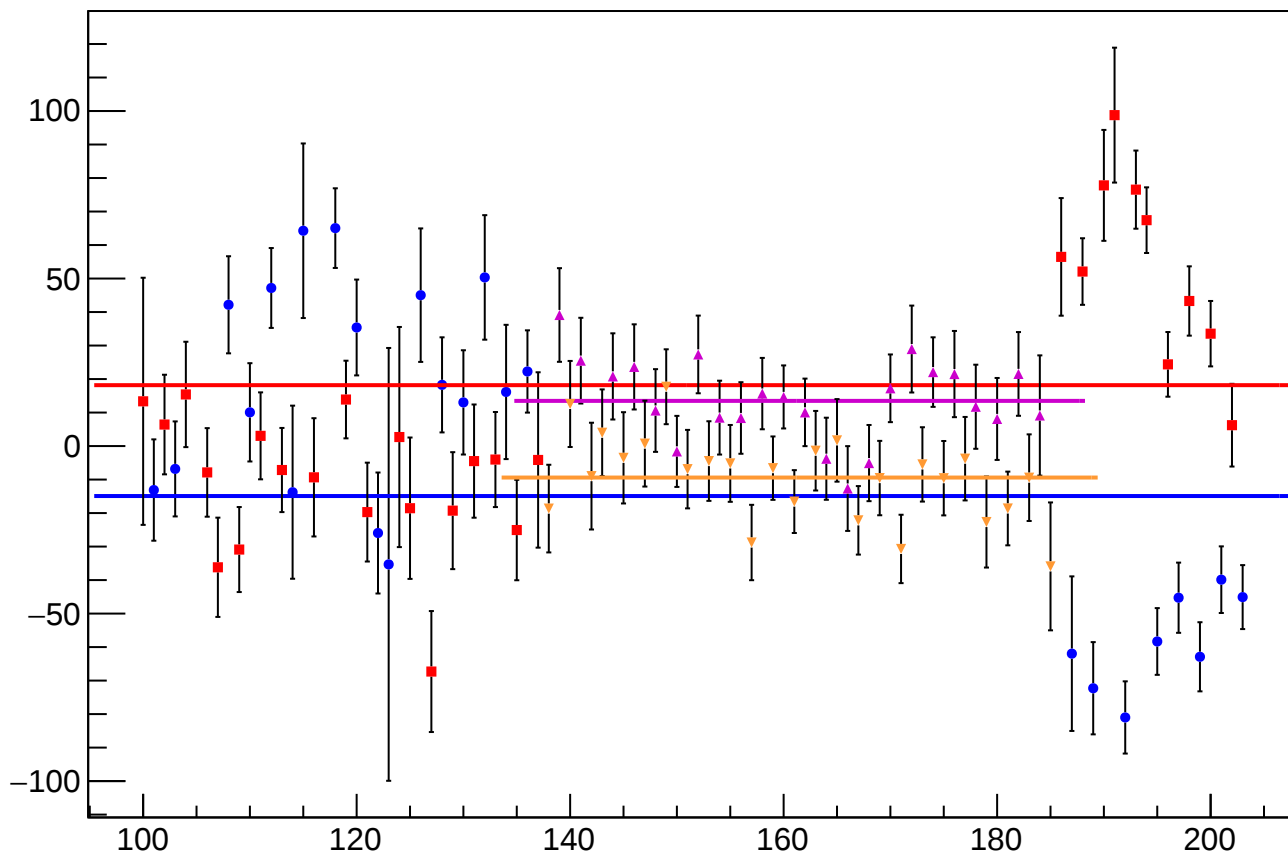
Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1164.775 $\pm$ 0.162 χ^2 /NDF: 9010211.0/49

All: 1166.453 $\pm$ 0.113 χ^2 /NDF: 15919914.7/100

- sign 1168.077 $\pm$ 0.159 χ^2 /NDF: 6909491.3/51

diff_bpm0l07X_mean vs Slug



Right In: -14.915 ± 2.741 χ^2/NDF : 279.3/24

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

Right Out: 18.175 ± 2.568 χ^2/NDF : 196.6/28

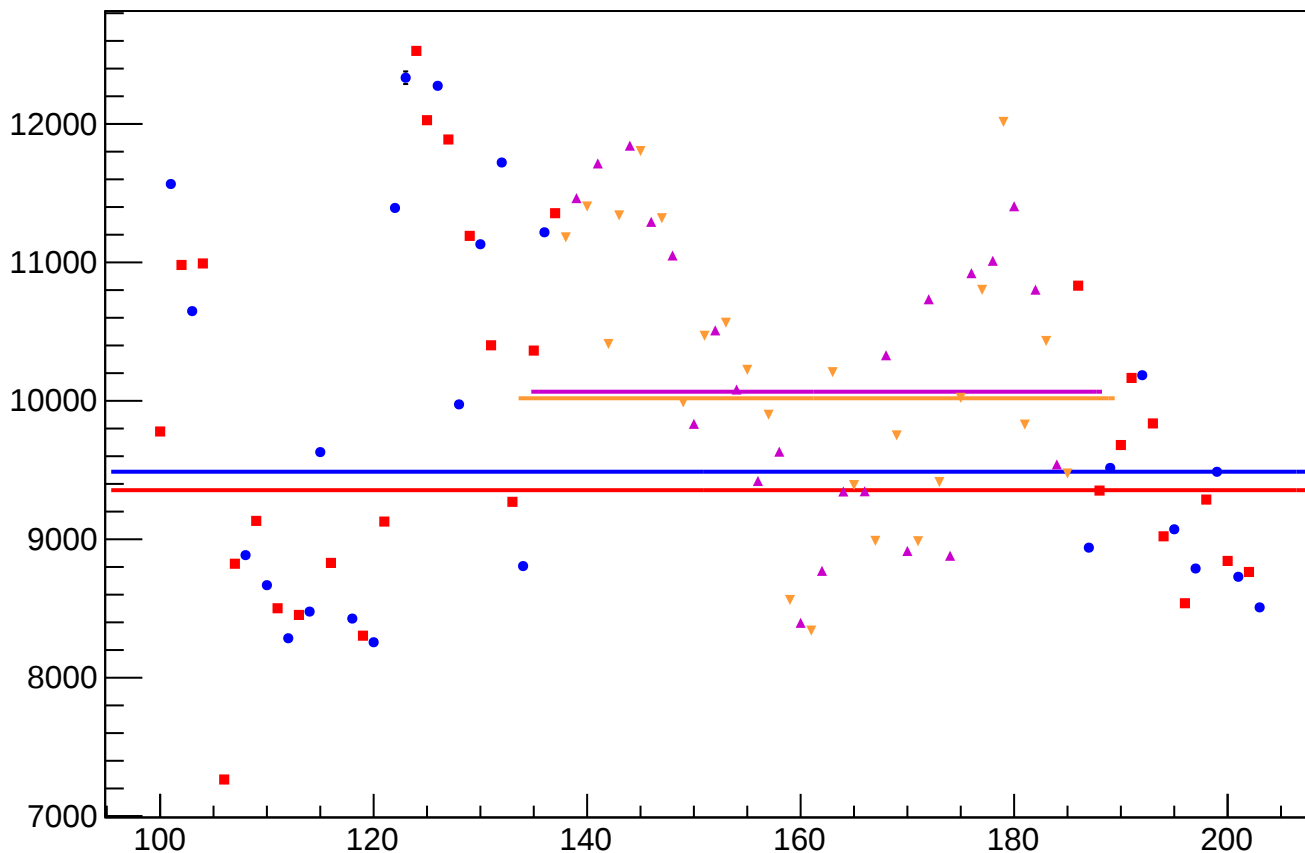
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -11.745 ± 1.788 χ^2/NDF : 307.9/49

All: 2.121 ± 1.258 χ^2/NDF : 646.9/101

- sign 15.713 ± 1.770 χ^2/NDF : 219.9/51

diff_bpm0l07X_rms vs Slug



Right In: 9488.053+/-1.938 χ^2/NDF : 330593.3/24

Left Out: 10018.563+/-1.668 χ^2/NDF : 344534.6/24

Right Out: 9354.667+/-1.816 χ^2/NDF : 325874.6/28

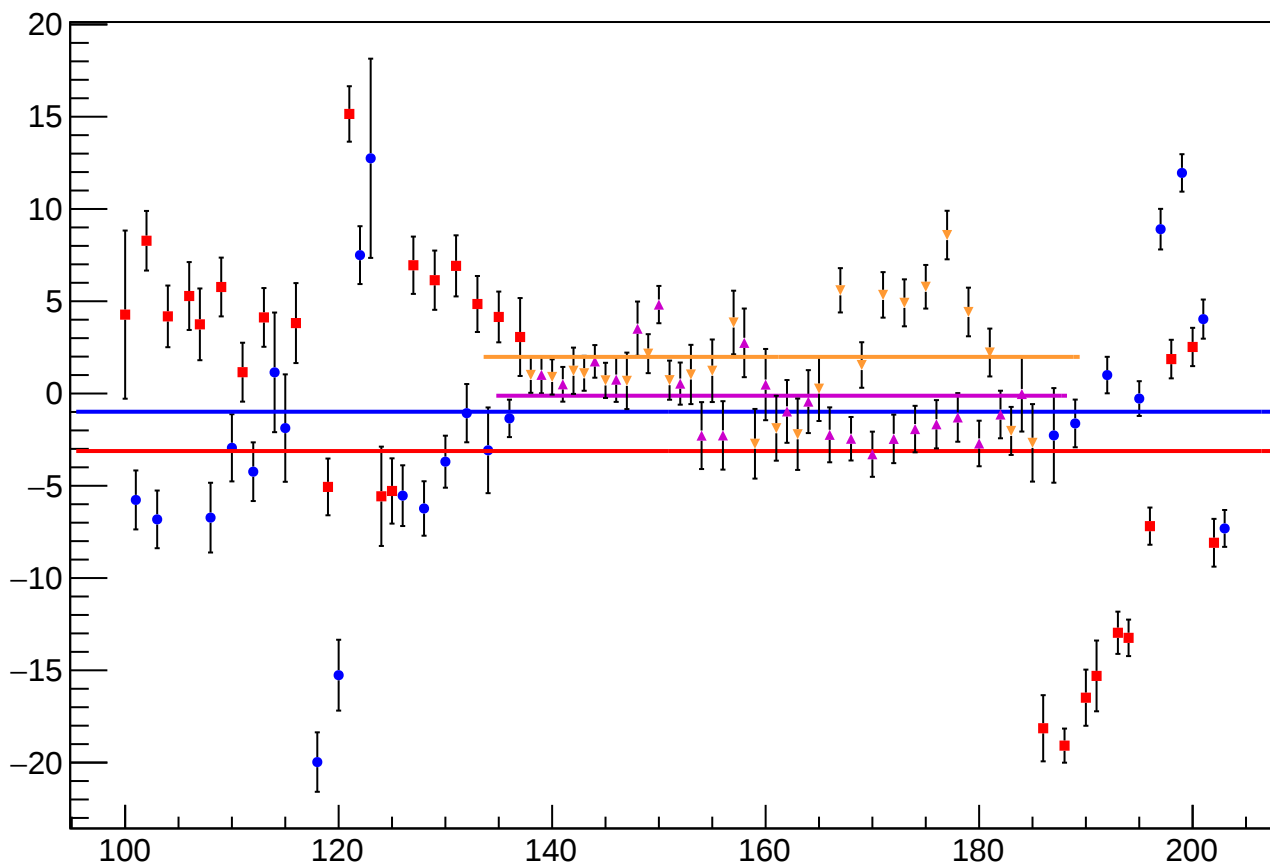
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

+ sign 9792.866+/-1.264 χ^2/NDF : 718178.9/49

All: 9760.138+/-0.889 χ^2/NDF : 1483786.1/10

- sign 9728.057+/-1.252 χ^2/NDF : 764279.8/51

diff_bpm0l07Y_mean vs Slug



Right In: -0.987 ± 0.282 $\chi^2/\text{NDF}: 603.9/24$

Left Out: 1.985 ± 0.255 $\chi^2/\text{NDF}: 101.2/24$

Right Out: -3.117 ± 0.269 $\chi^2/\text{NDF}: 1250.2/28$

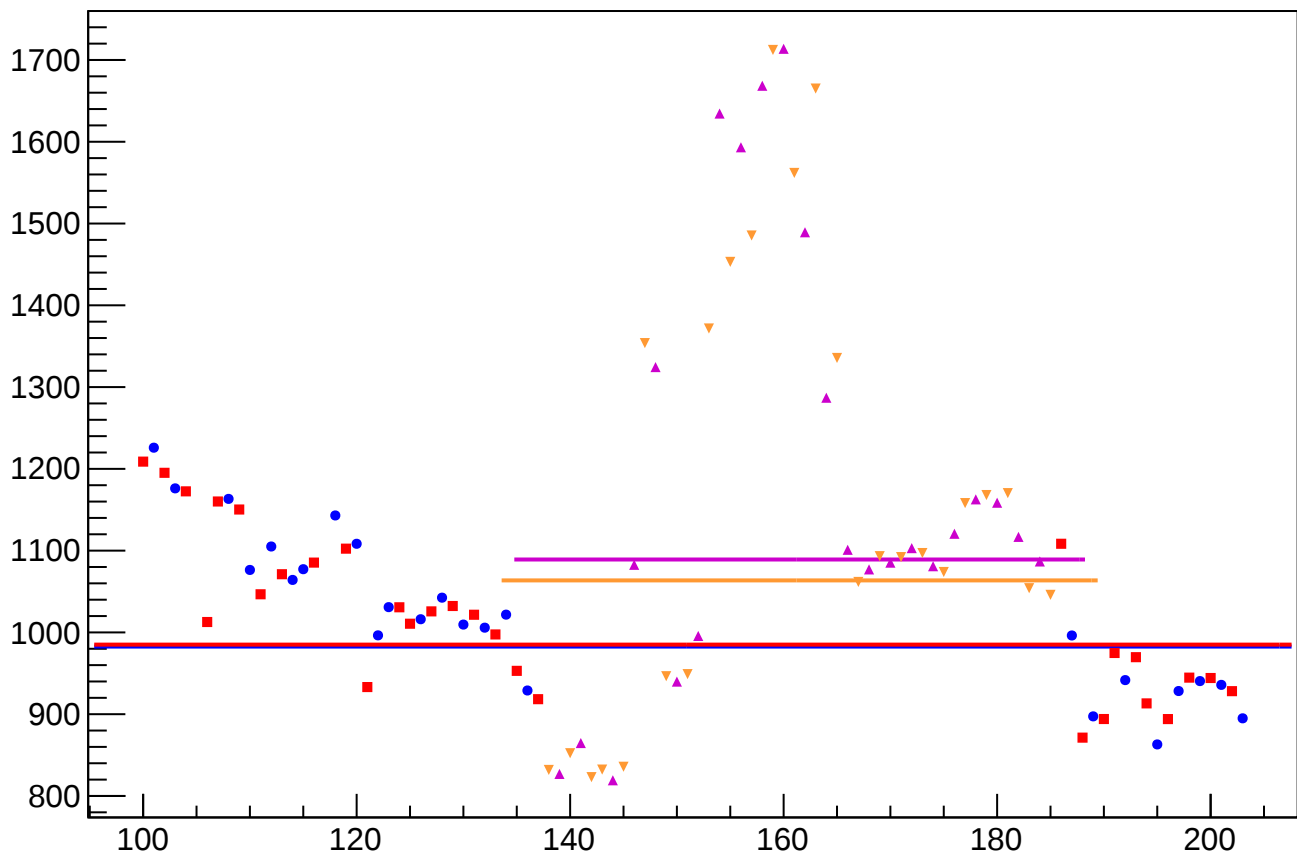
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

+ sign 0.649 ± 0.189 $\chi^2/\text{NDF}: 766.3/49$

All: -0.478 ± 0.134 $\chi^2/\text{NDF}: 2217.7/101$

- sign -1.617 ± 0.190 $\chi^2/\text{NDF}: 1380.0/51$

diff_bpm0l07Y_rms vs Slug



Right In: 982.697 $\pm$ 0.199 χ^2 /NDF: 228078.3/24

Left Out: 1063.600 $\pm$ 0.180 χ^2 /NDF:1617376.3/24

Right Out: 985.075 $\pm$ 0.190 χ^2 /NDF: 221615.9/28

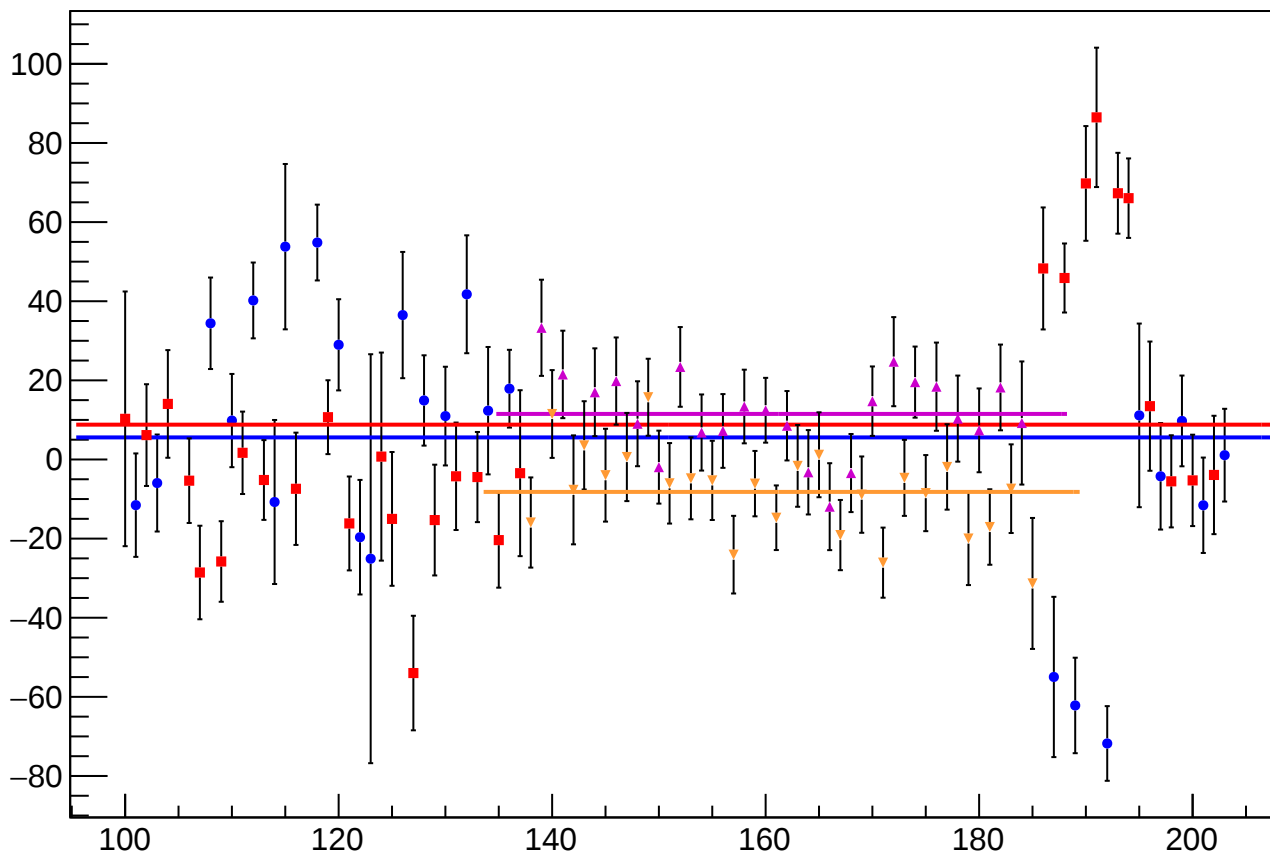
Left In: 1089.154 $\pm$ 0.190 χ^2 /NDF:1430478.5/22

+ sign 1027.243 $\pm$ 0.134 χ^2 /NDF: 1936059.4/49

All: 1032.182 $\pm$ 0.095 χ^2 /NDF: 3740770.3/10

- sign 1037.174 $\pm$ 0.134 χ^2 /NDF: 1801967.2/51

diff_bpm0l08X_mean vs Slug



Right In: 5.578 ± 2.559 χ^2/NDF : 184.7/24

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

Right Out: 8.801 ± 2.321 χ^2/NDF : 194.8/28

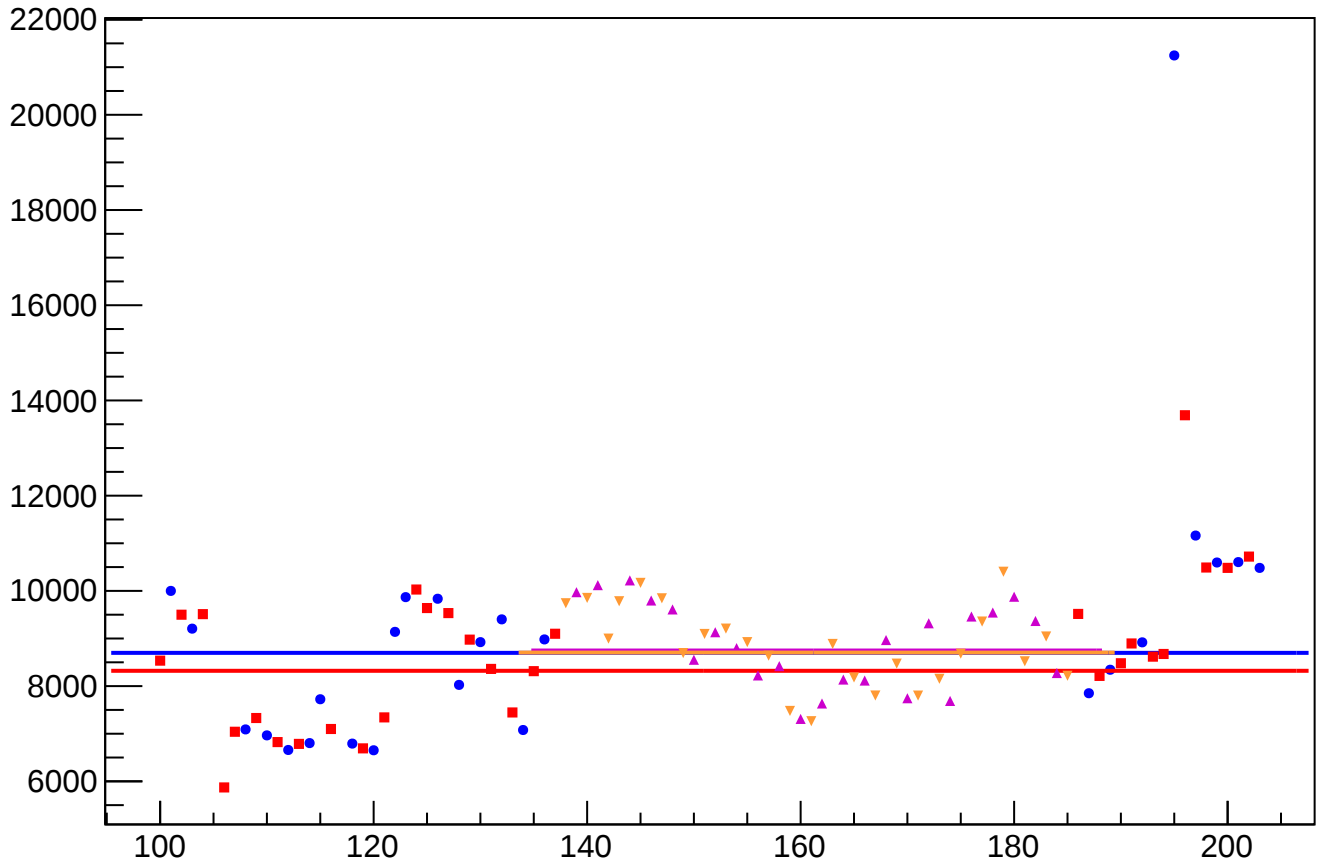
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -2.816 ± 1.599 χ^2/NDF : 228.5/49

All: 3.868 ± 1.119 χ^2/NDF : 479.3/101

- sign 10.280 ± 1.566 χ^2/NDF : 216.6/51

diff_bpm0l08X_rms vs Slug



Right In: 8698.470 $\pm$ 1.810 χ^2 /NDF: 1215125.3/24

Left Out: 8704.193 $\pm$ 1.449 χ^2 /NDF: 332364.3/24

Right Out: 8321.588 $\pm$ 1.641 χ^2 /NDF: 835974.5/28

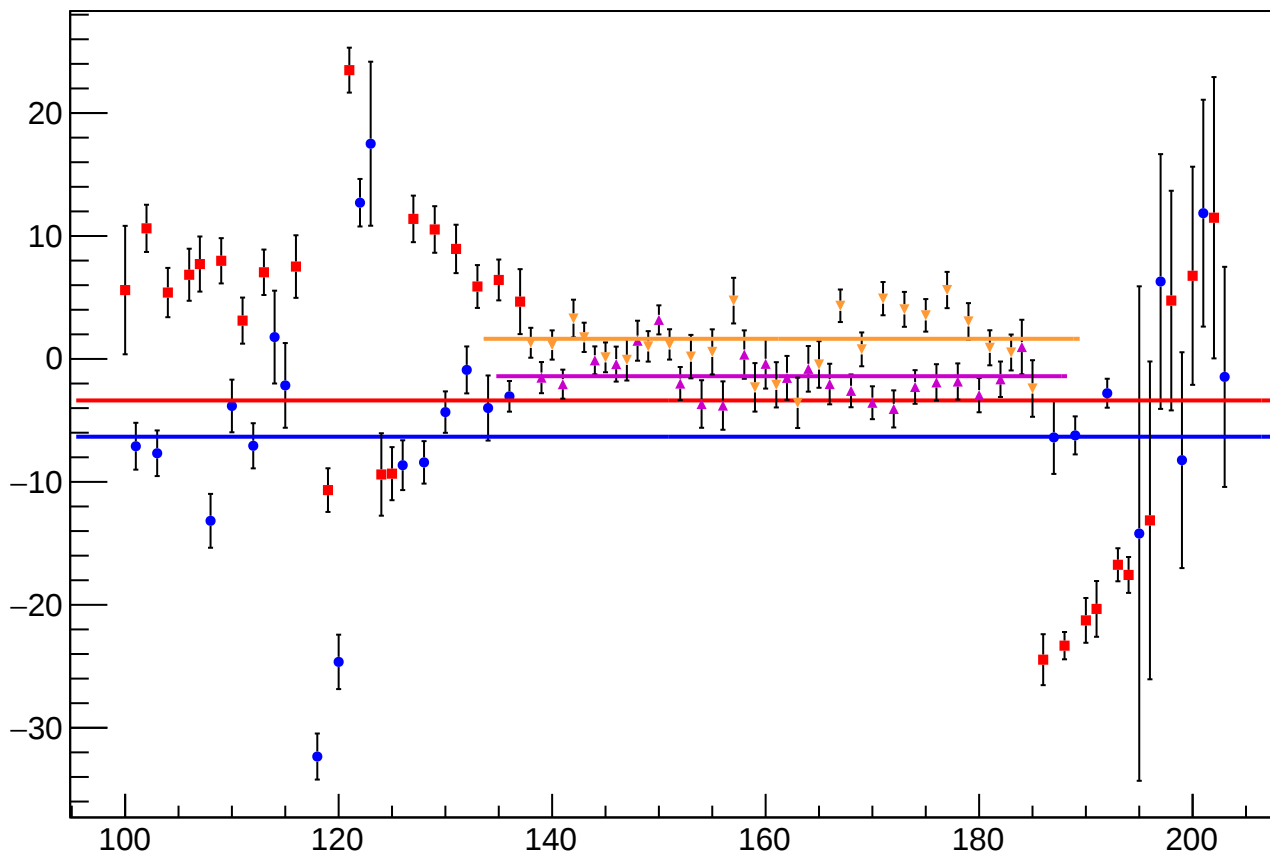
Left In: 8747.415 $\pm$ 1.501 χ^2 /NDF: 347110.4/22

+ sign 8701.958 $\pm$ 1.131 χ^2 /NDF: 1547495.6/49

All: 8626.191 $\pm$ 0.791 χ^2 /NDF: 2776033.7/10

- sign 8553.523 $\pm$ 1.108 χ^2 /NDF: 1219744.8/51

diff_bpm0l08Y_mean vs Slug



Right In: -6.326 ± 0.426 $\chi^2/\text{NDF}: 424.2/24$

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

Right Out: -3.376 ± 0.373 $\chi^2/\text{NDF}: 1470.3/28$

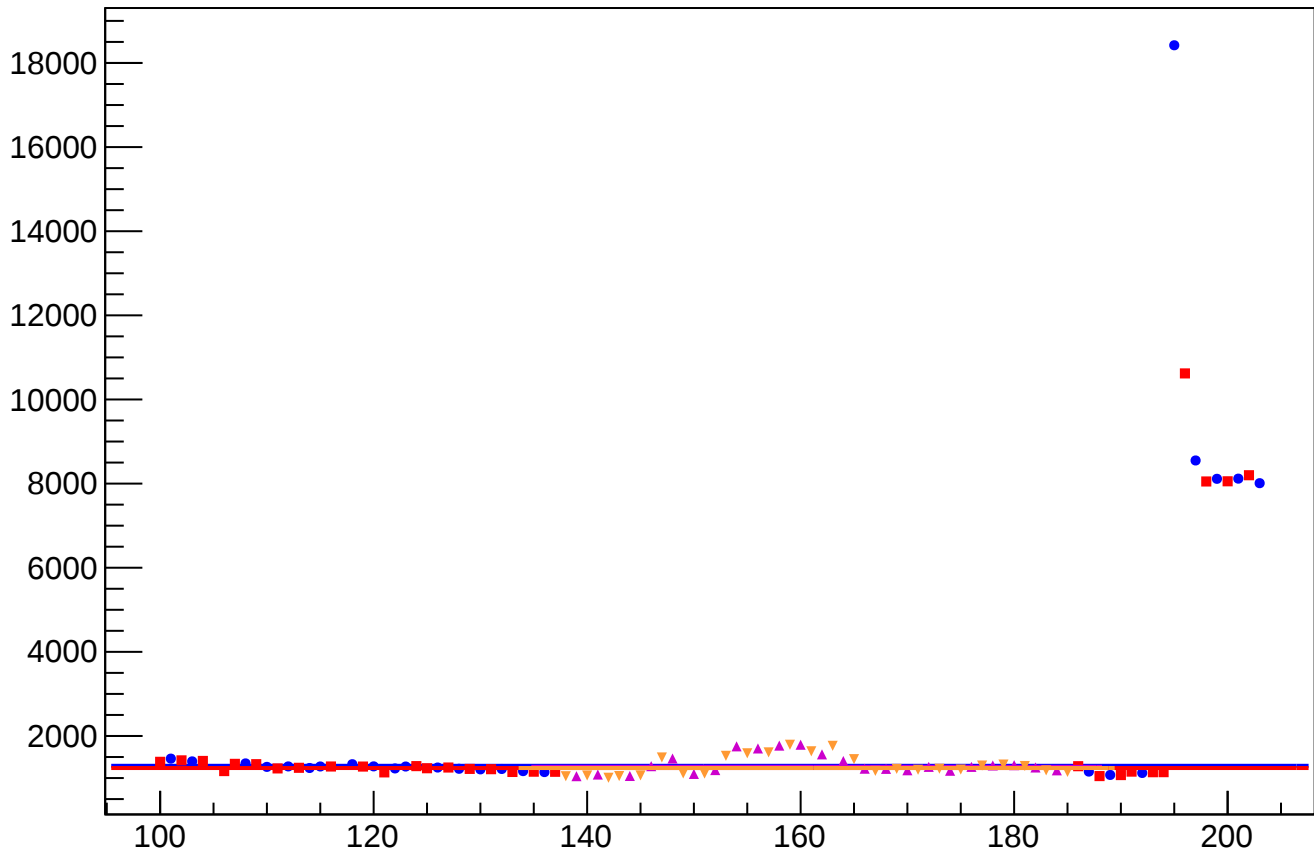
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.928 ± 0.242 $\chi^2/\text{NDF}: 712.7/49$

All: -1.577 ± 0.170 $\chi^2/\text{NDF}: 2247.9/101$

- sign -2.206 ± 0.238 $\chi^2/\text{NDF}: 1521.0/51$

diff_bpm0l08Y_rms vs Slug



Right In: 1291.242 $\pm$ 0.301 χ^2 /NDF: 6021413.4/24

Left Out: 1238.437 $\pm$ 0.208 χ^2 /NDF: 965173.0/24

Right Out: 1237.932 $\pm$ 0.264 χ^2 /NDF: 4305887.5/28

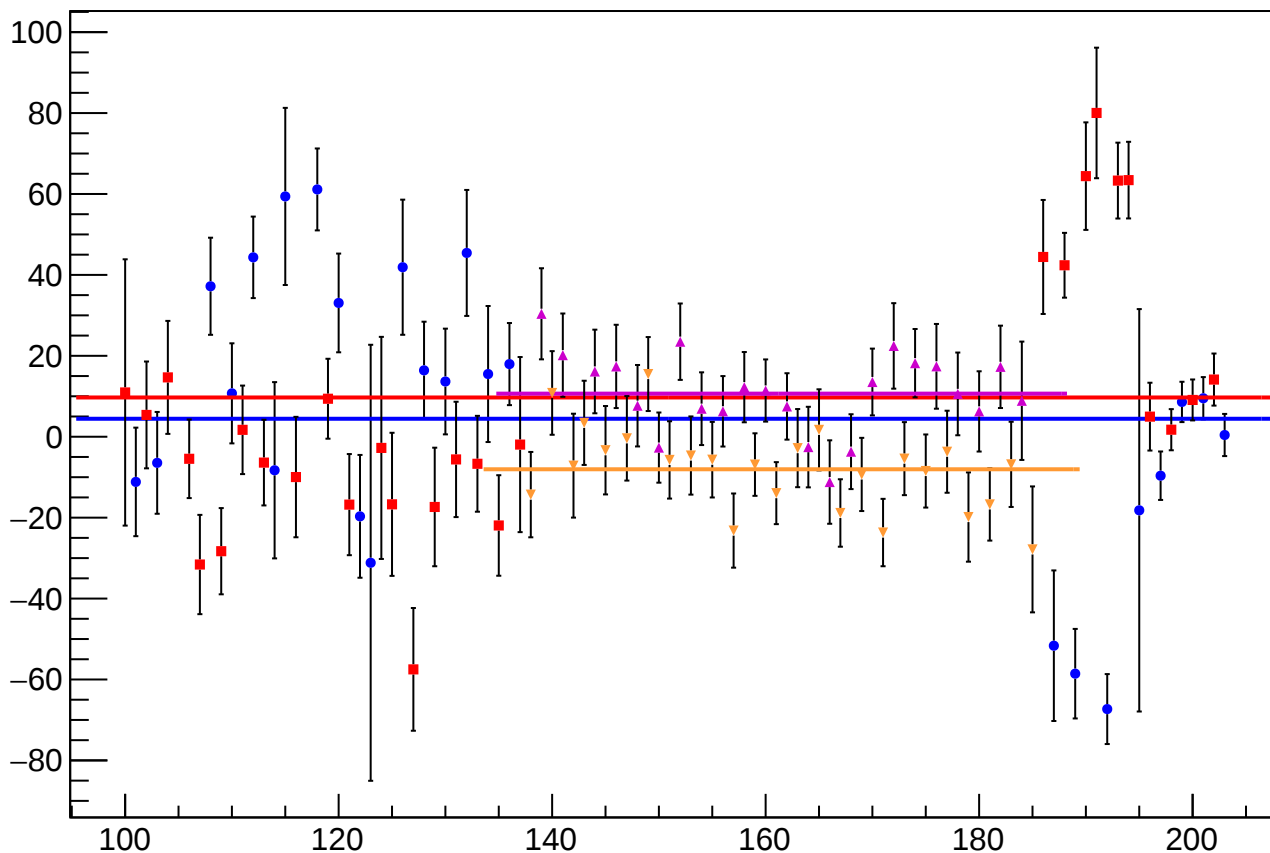
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1255.456 $\pm$ 0.171 χ^2 /NDF: 7007436.4/49

All: 1254.915 $\pm$ 0.120 χ^2 /NDF: 12165057.1/101

- sign 1254.391 $\pm$ 0.168 χ^2 /NDF: 5157601.0/51

diff_bpm0l09X_mean vs Slug



Right In: 4.442 ± 1.958 $\chi^2/\text{NDF}: 206.0/24$

Left Out: -8.042 ± 1.918 $\chi^2/\text{NDF}: 26.3/24$

Right Out: 9.703 ± 1.892 $\chi^2/\text{NDF}: 197.9/28$

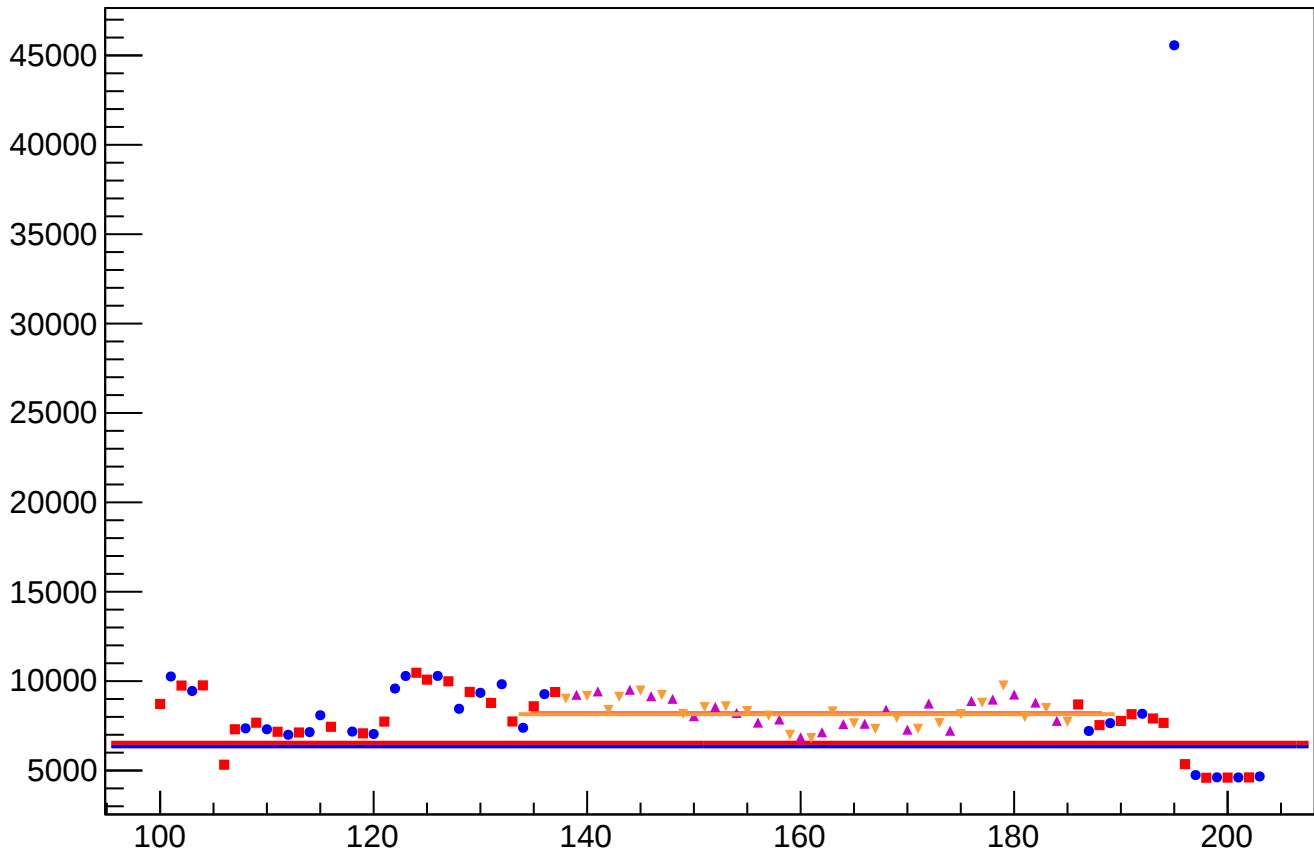
Left In: 10.653 ± 1.988 $\chi^2/\text{NDF}: 21.4/22$

+ sign -1.929 ± 1.370 $\chi^2/\text{NDF}: 253.0/49$

All: 4.112 ± 0.969 $\chi^2/\text{NDF}: 511.3/101$

- sign 10.155 ± 1.371 $\chi^2/\text{NDF}: 219.4/51$

diff_bpm0l09X_rms vs Slug



Right In: 6352.313+/-1.385 χ^2/NDF : 3192420.8/24

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

Right Out: 6555.833+/-1.338 χ^2/NDF : 1790147.3/28

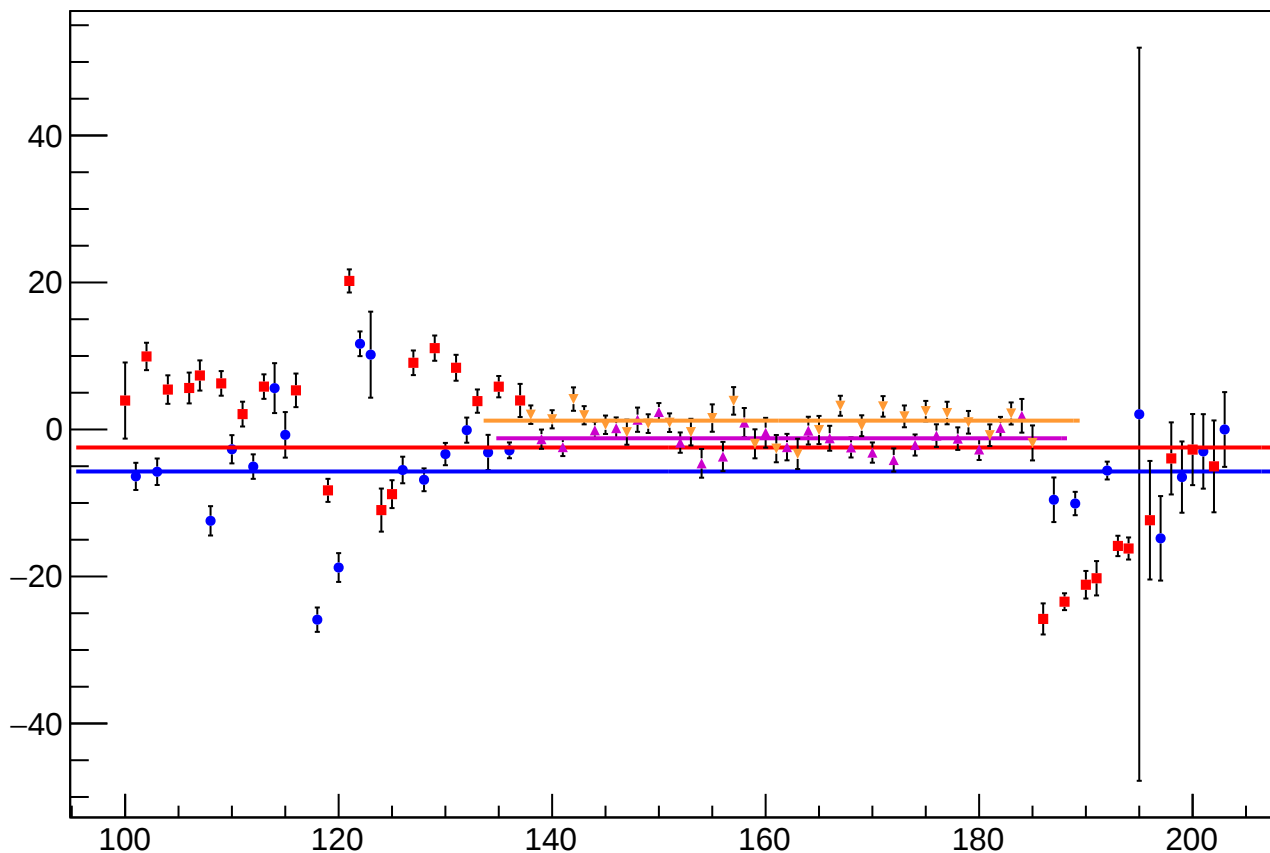
Left In: 8193.636+/-1.405 χ^2/NDF : 338377.6/22

+ sign 7270.547+/-0.969 χ^2/NDF : 4375782.5/49

All: 7302.548+/-0.685 χ^2/NDF : 7218816.7/10

- sign 7334.558+/-0.969 χ^2/NDF : 2840852.5/51

diff_bpm0l09Y_mean vs Slug



Right In: -5.714 ± 0.391 χ^2/NDF : 369.9/24

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

Right Out: -2.450 ± 0.350 χ^2/NDF : 1408.3/28

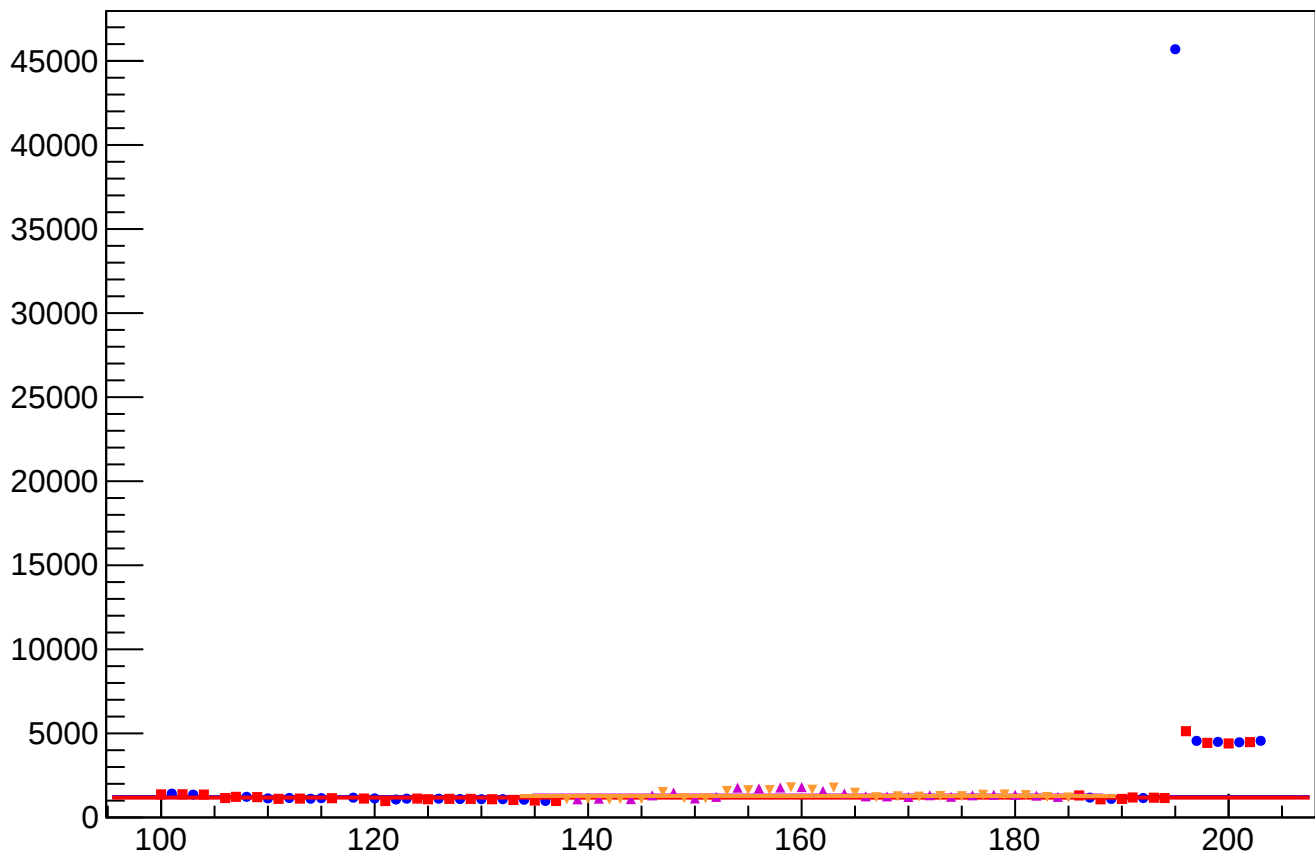
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.390 ± 0.239 χ^2/NDF : 596.0/49

All: -1.580 ± 0.168 χ^2/NDF : 2043.7/101

- sign -1.764 ± 0.236 χ^2/NDF : 1446.5/51

diff_bpm0l09Y_rms vs Slug



Right In: 1211.311 $\pm$ 0.276 χ^2/NDF : 5097321.4/24

Left Out: 1277.916 $\pm$ 0.214 χ^2/NDF : 878127.9/24

Right Out: 1181.588 $\pm$ 0.248 χ^2/NDF : 2999722.7/28

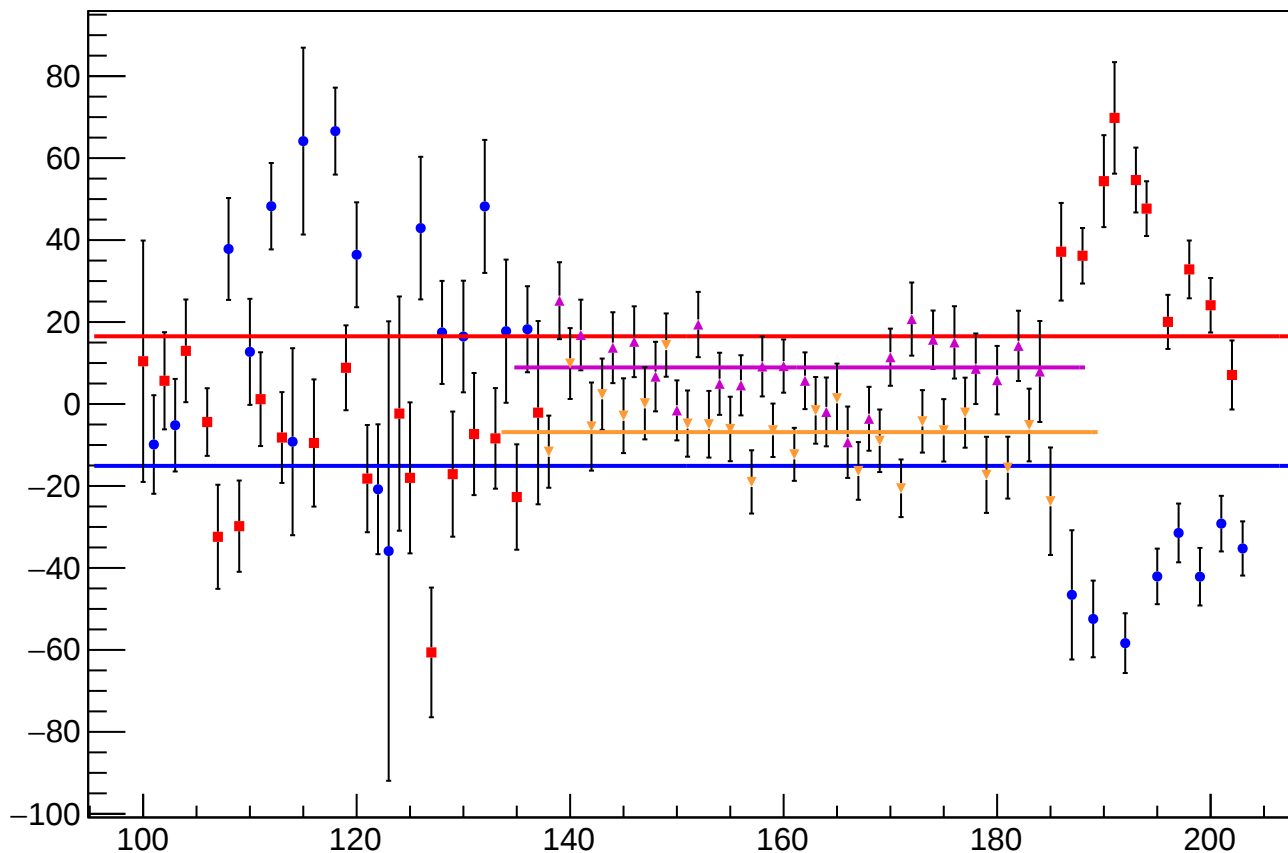
Left In: 1305.541 $\pm$ 0.225 χ^2/NDF : 760450.8/22

+ sign 1252.948 $\pm$ 0.169 χ^2/NDF : 6011810.4/49

All: 1251.208 $\pm$ 0.119 χ^2/NDF : 9909399.8/10

- sign 1249.520 $\pm$ 0.167 χ^2/NDF : 3897380.8/51

diff_bpm0l10X_mean vs Slug



Right In: -15.095 ± 2.081 χ^2/NDF : 304.3/24

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

Right Out: 16.524 ± 1.922 χ^2/NDF : 197.3/28

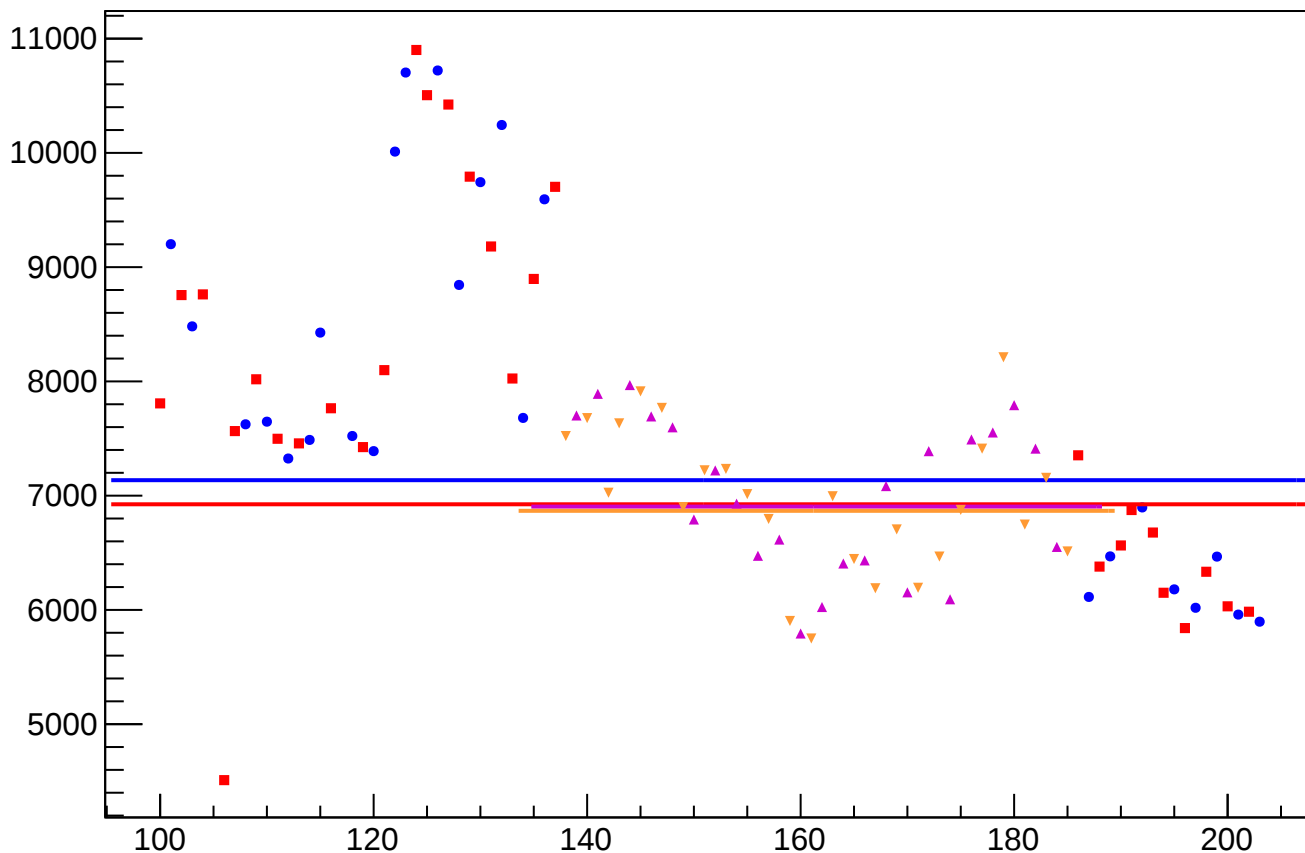
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -9.952 ± 1.276 χ^2/NDF : 342.8/49

All: 1.245 ± 0.898 χ^2/NDF : 723.1/101

- sign 12.202 ± 1.262 χ^2/NDF : 228.0/51

diff_bpm0l10X_rms vs Slug



Right In: 7135.460+/-1.472 χ^2/NDF : 816316.7/24

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

Right Out: 6924.504+/-1.359 χ^2/NDF : 922329.2/28

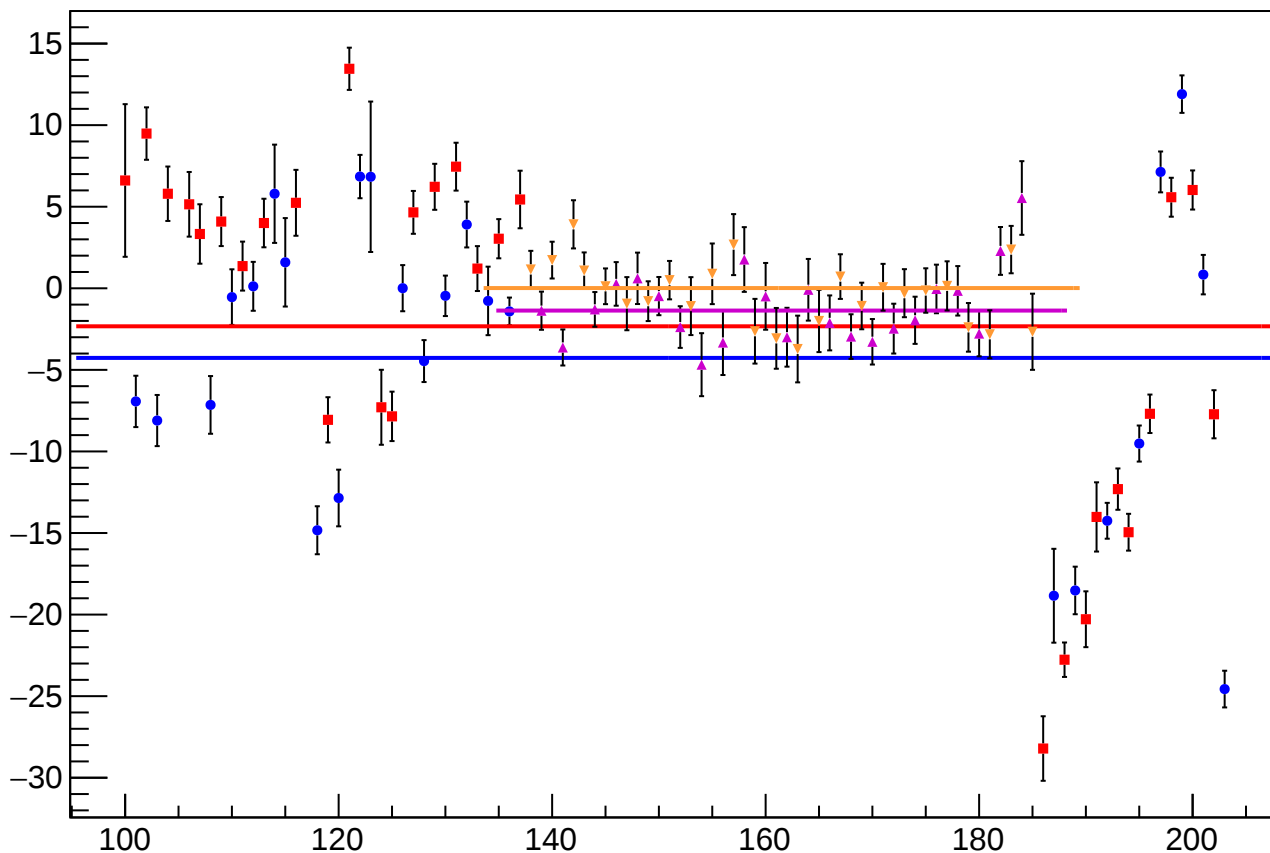
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 6968.156+/-0.902 χ^2/NDF : 1143916.4/49

All: 6940.235+/-0.635 χ^2/NDF : 2394180.1/10

- sign 6912.913+/-0.893 χ^2/NDF : 1248369.7/51

diff_bpm0l10Y_mean vs Slug



Right In: -4.267 ± 0.282 $\chi^2/\text{NDF}: 1110.1/24$

Left Out: 0.014 ± 0.290 $\chi^2/\text{NDF}: 35.0/24$

Right Out: -2.330 ± 0.272 $\chi^2/\text{NDF}: 1501.4/28$

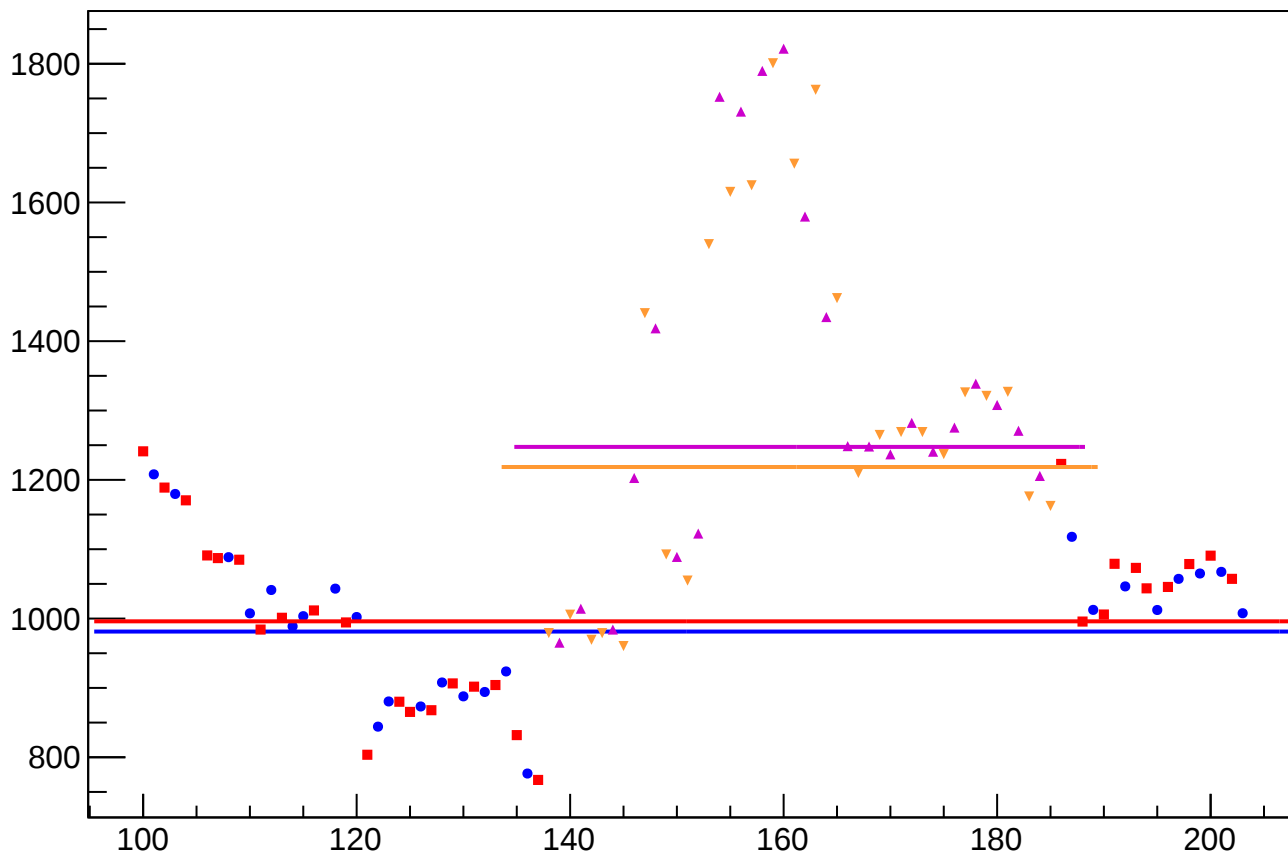
Left In: -1.365 ± 0.306 $\chi^2/\text{NDF}: 38.5/22$

+ sign -2.185 ± 0.202 $\chi^2/\text{NDF}: 1257.0/49$

All: -2.045 ± 0.143 $\chi^2/\text{NDF}: 2803.5/101$

- sign -1.903 ± 0.203 $\chi^2/\text{NDF}: 1545.5/51$

diff_bpm0l10Y_rms vs Slug



Right In: 981.266+/-0.199 χ^2/NDF : 309455.4/24

Left Out: 1218.543+/-0.205 χ^2/NDF : 1265847.5/24

Right Out: 996.008+/-0.193 χ^2/NDF : 321882.9/28

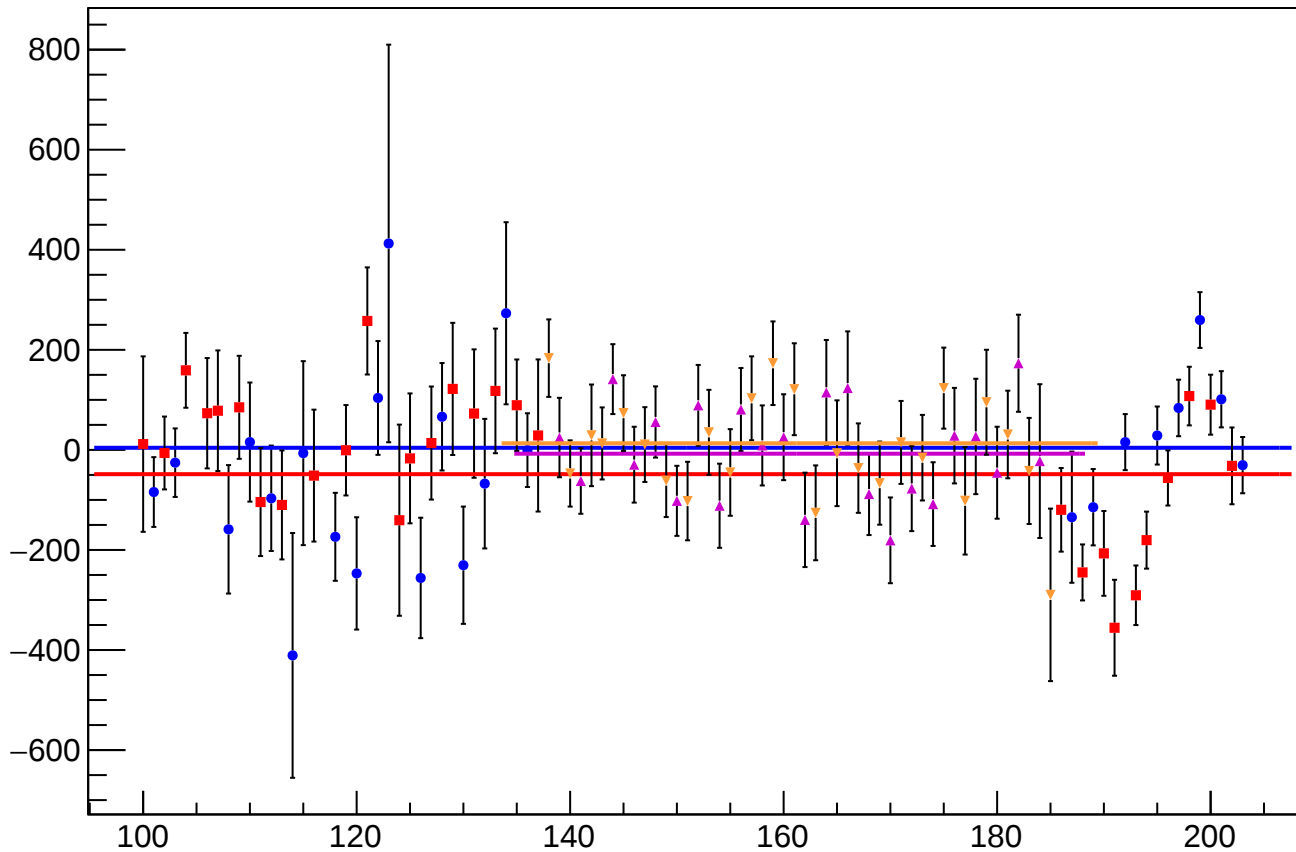
Left In: 1247.538+/-0.216 χ^2/NDF : 1073390.3/22

+ sign 1096.667+/-0.143 χ^2/NDF : 2263373.3/49

All: 1102.029+/-0.101 χ^2/NDF : 4416547.7/10

- sign 1107.453+/-0.144 χ^2/NDF : 2150344.7/51

diff_bpm0r03X_mean vs Slug



Right In: 4.227 ± 16.675 χ^2/NDF : 59.8/24

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

Right Out: -48.521 ± 15.886 χ^2/NDF : 89.9/28

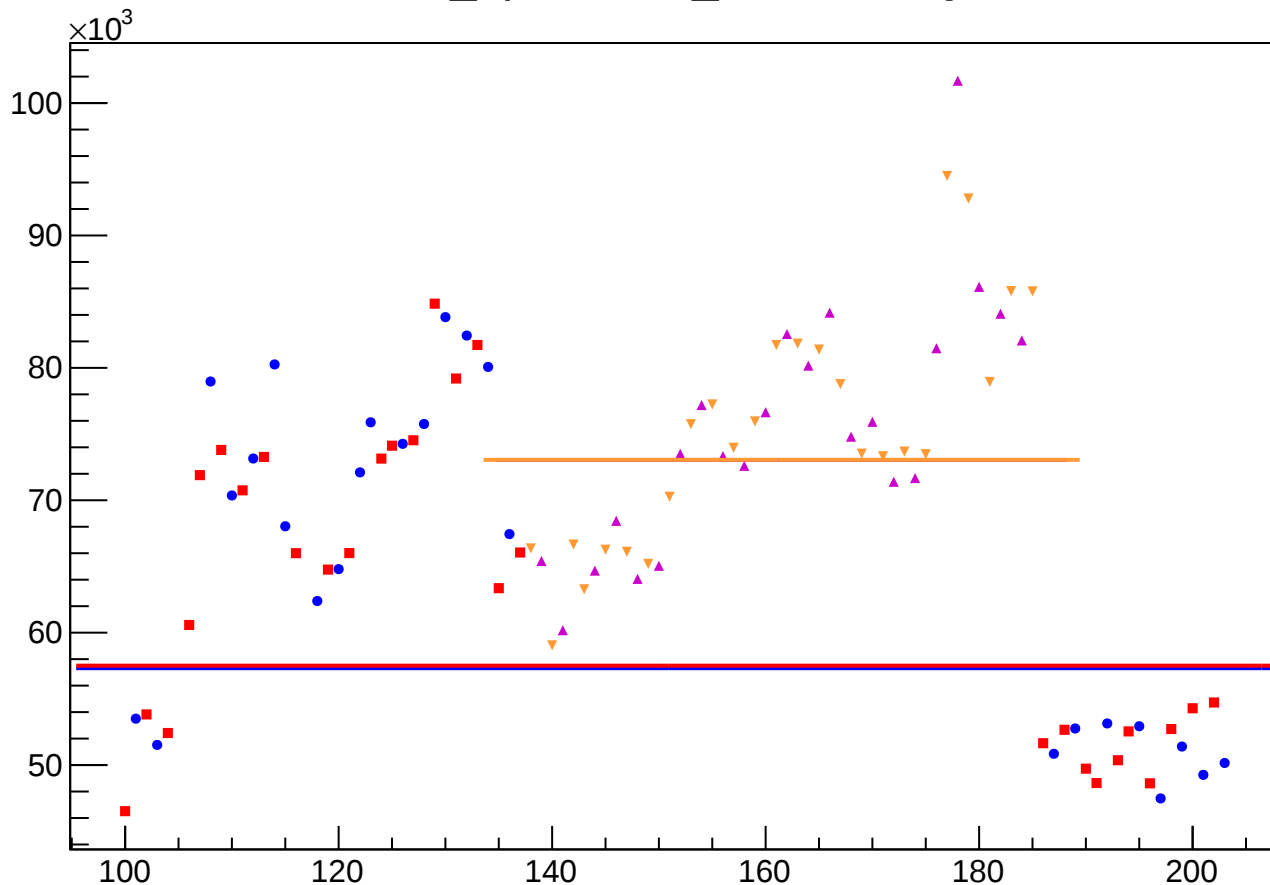
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign 8.592 ± 11.954 χ^2/NDF : 86.7/49

All: -11.053 ± 8.403 χ^2/NDF : 213.0/101

- sign -30.240 ± 11.814 χ^2/NDF : 120.9/51

diff_bpm0r03X_rms vs Slug



Right In: 57317.835 $\pm$ 11.791 χ^2 /NDF: 761246.1/24

Left Out: 73054.401 $\pm$ 12.124 χ^2 /NDF: 473050.9/24

Right Out: 57507.331 $\pm$ 11.233 χ^2 /NDF: 709286.9/28

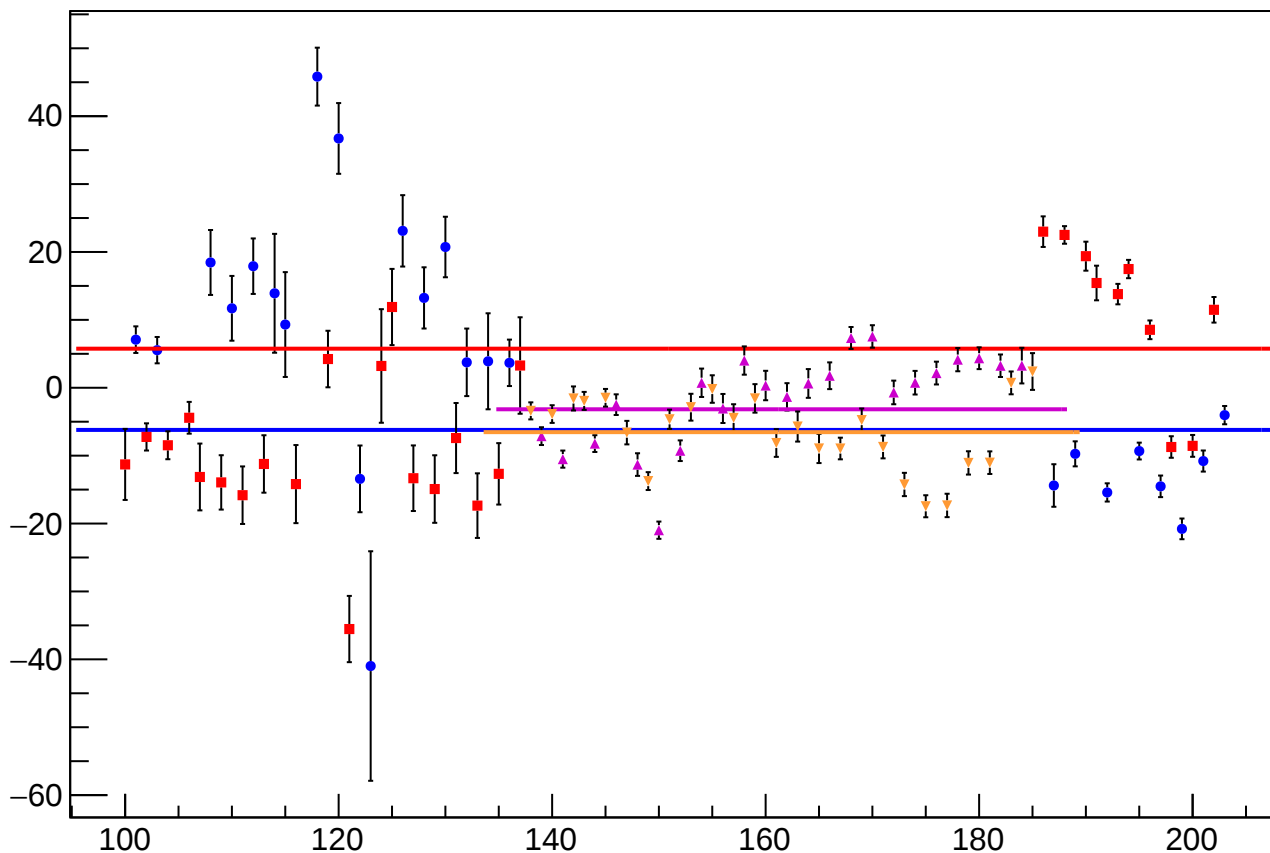
Left In: 73045.500 $\pm$ 12.496 χ^2 /NDF: 463525.5/22

+ sign 64966.956 $\pm$ 8.453 χ^2 /NDF: 2100097.8/49

All: 64706.452 $\pm$ 5.942 χ^2 /NDF: 4129948.3/101

- sign 64452.013 $\pm$ 8.354 χ^2 /NDF: 2027973.1/51

diff_bpm0r03Y_mean vs Slug



Right In: -6.209 ± 0.471 χ^2/NDF : 685.0/24

Left Out: -6.537 ± 0.332 χ^2/NDF : 252.7/24

Right Out: 5.756 ± 0.444 χ^2/NDF : 926.0/28

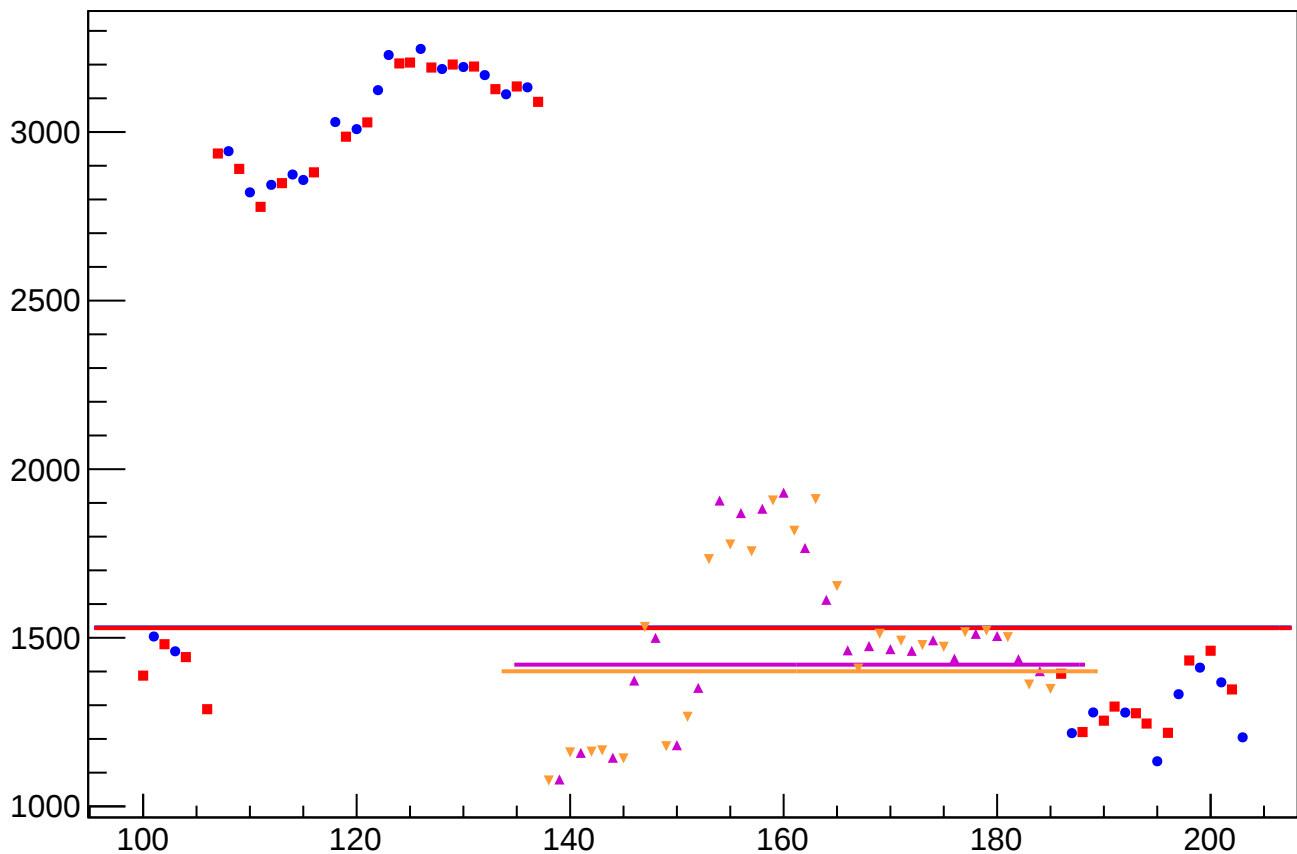
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

+ sign -6.428 ± 0.271 χ^2/NDF : 938.1/49

All: -3.132 ± 0.192 χ^2/NDF : 2900.3/101

- sign 0.210 ± 0.273 χ^2/NDF : 1664.7/51

diff_bpm0r03Y_rms vs Slug



Right In: 1530.704 $\pm$ 0.333 χ^2 /NDF: 3307727.7/24

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

Right Out: 1528.622 $\pm$ 0.314 χ^2 /NDF: 3285296.0/28

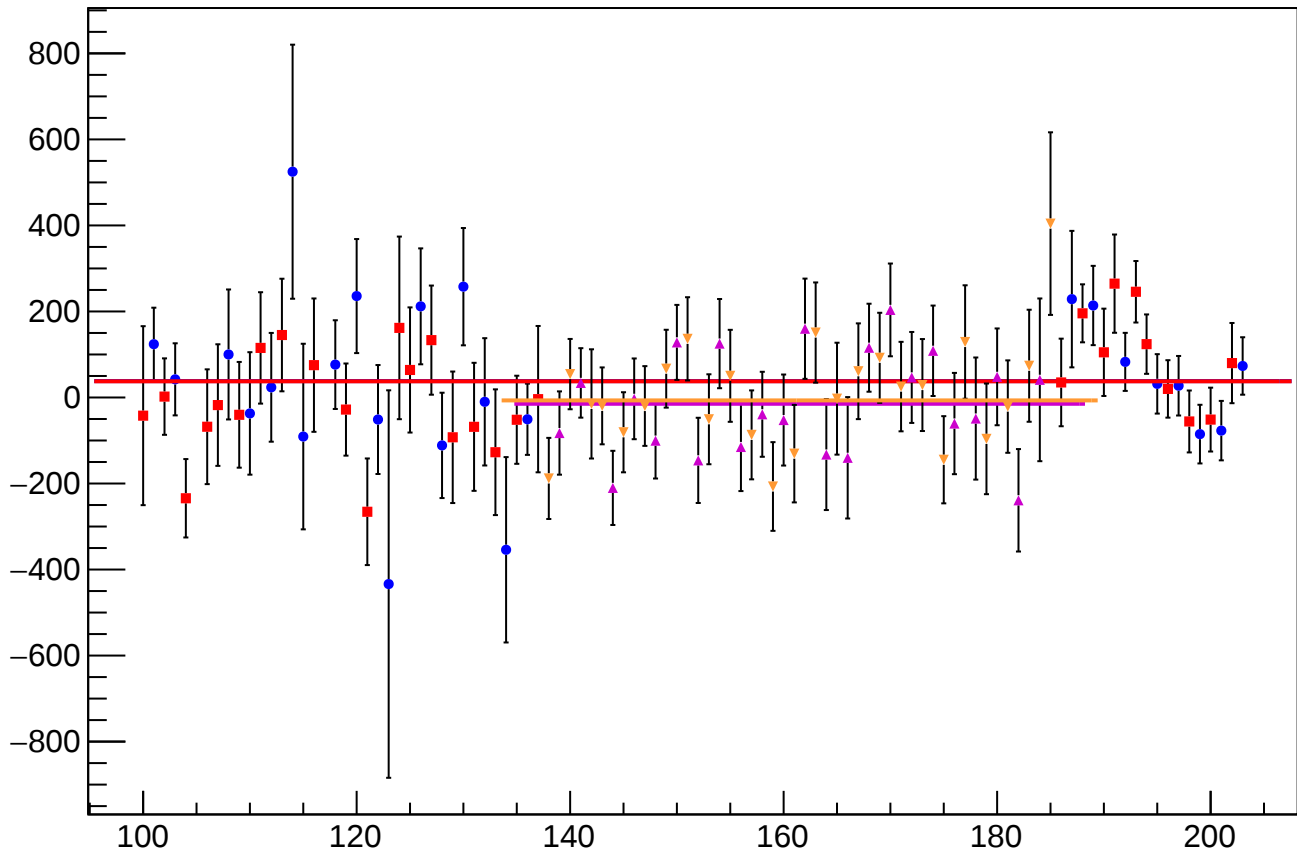
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF: 905186.2/22

+ sign 1443.835 $\pm$ 0.192 χ^2 /NDF: 4447711.7/49

All: 1452.512 $\pm$ 0.136 χ^2 /NDF: 8716377.6/10

- sign 1461.312 $\pm$ 0.193 χ^2 /NDF: 4264541.3/51

diff_bpm0r05X_mean vs Slug



Right In: 38.086+/-19.917 χ^2/NDF : 30.7/24

Left Out: -6.789+/-21.213 χ^2/NDF : 24.7/24

Right Out: 37.628+/-19.035 χ^2/NDF : 45.4/28

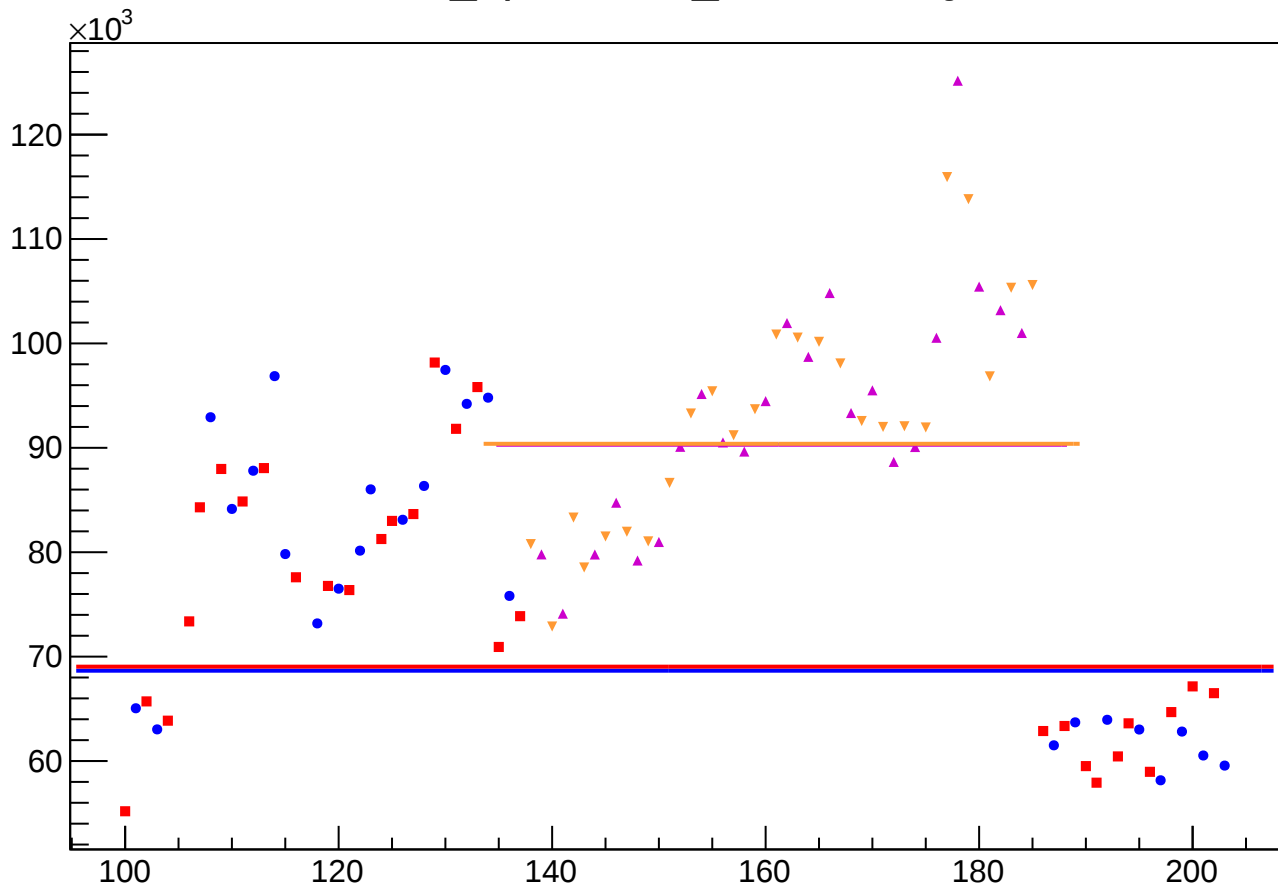
Left In: -14.611+/-21.846 χ^2/NDF : 29.8/22

+ sign 17.061+/-14.520 χ^2/NDF : 57.8/49

All: 16.061+/-10.207 χ^2/NDF : 136.3/101

- sign 15.084+/-14.351 χ^2/NDF : 78.5/51

diff_bpm0r05X_rms vs Slug



Right In: 68651.997 $\pm$ 14.083 χ^2 /NDF: 604083.9/24

Left Out: 90384.853 $\pm$ 15.000 χ^2 /NDF: 461648.2/24

Right Out: 69038.106 $\pm$ 13.459 χ^2 /NDF: 582144.5/28

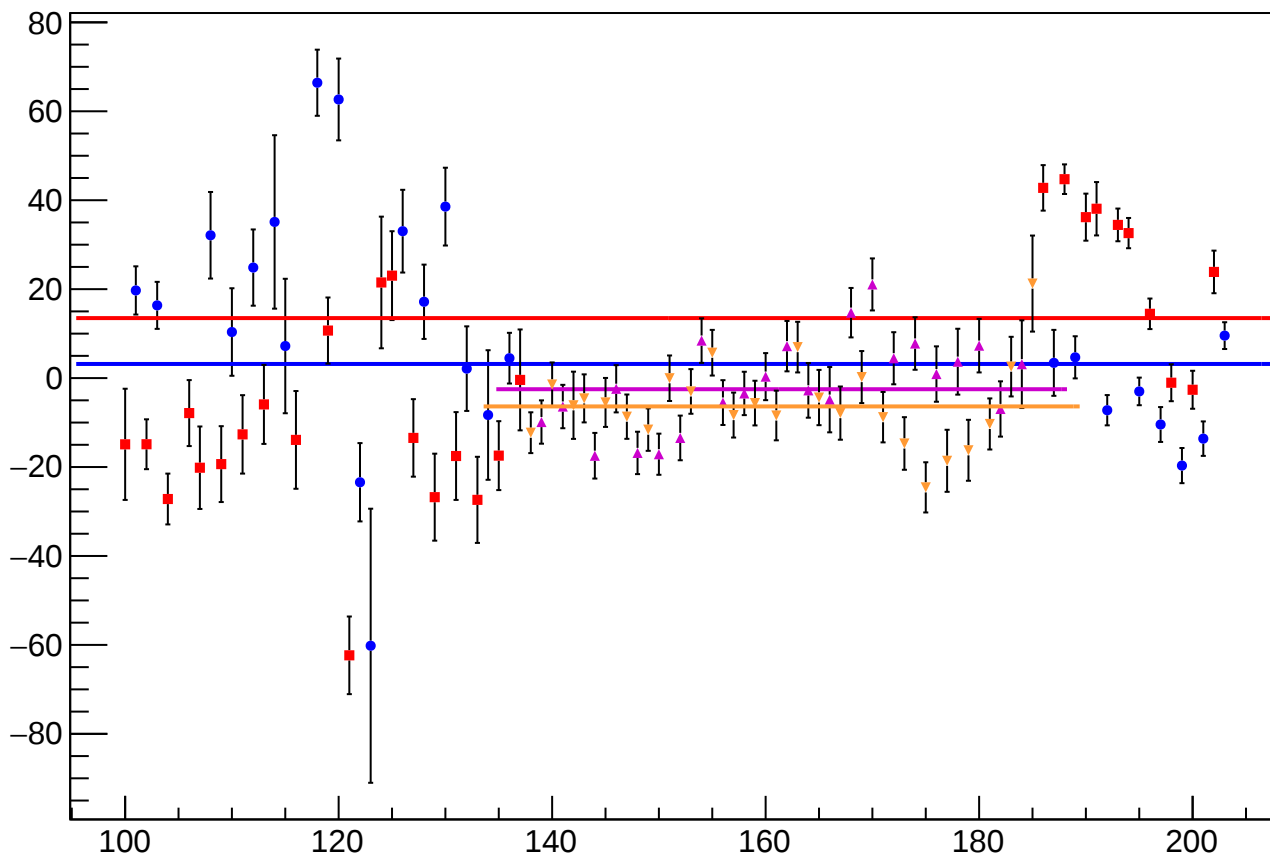
Left In: 90293.591 $\pm$ 15.448 χ^2 /NDF: 461337.5/22

+ sign 78834.021 $\pm$ 10.267 χ^2 /NDF: 2181440.2/49

All: 78518.824 $\pm$ 7.217 χ^2 /NDF: 4303041.5/51

- sign 78210.906 $\pm$ 10.148 χ^2 /NDF: 2119738.2/51

diff_bpm0r05Y_mean vs Slug



Right In: 3.178 ± 1.118 χ^2/NDF : 273.8/24

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

Right Out: 13.492 ± 1.082 χ^2/NDF : 537.1/28

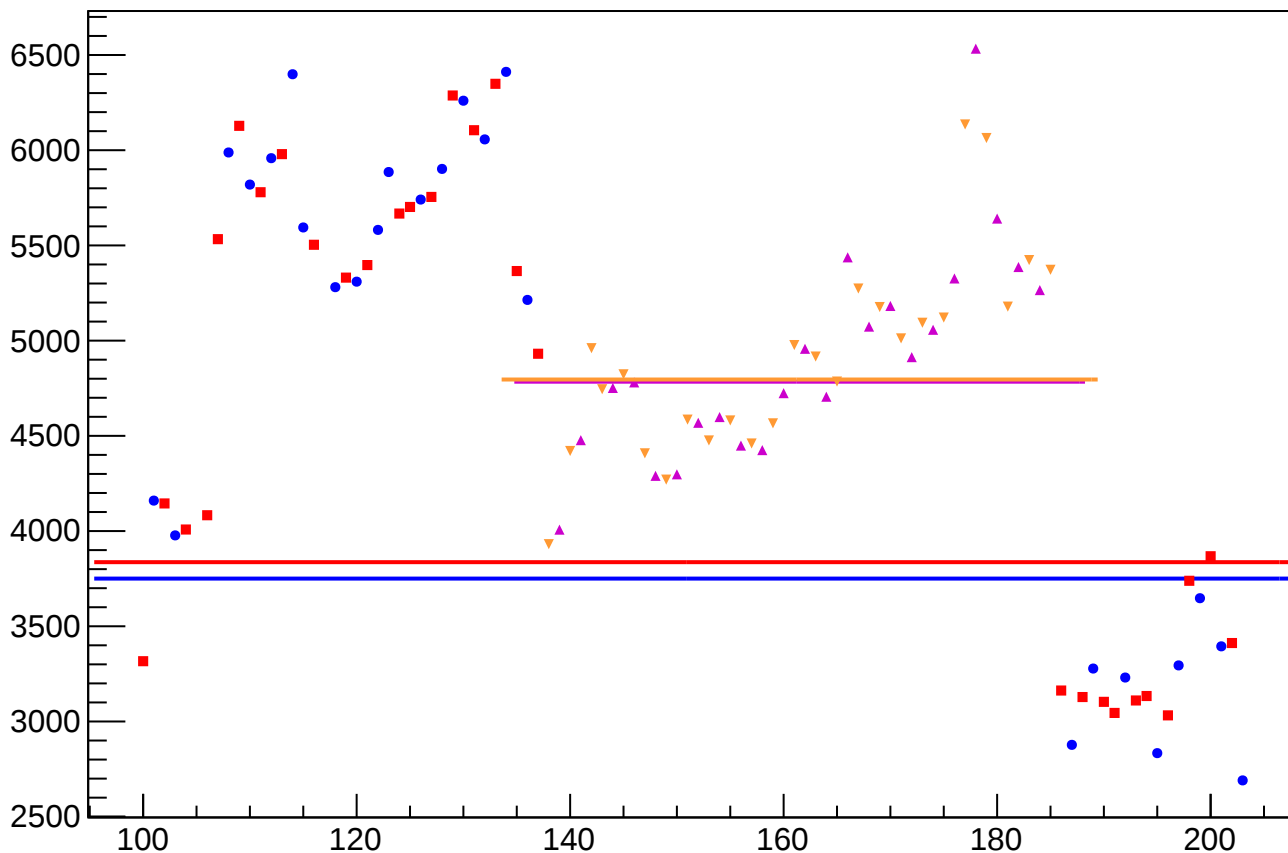
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -1.573 ± 0.793 χ^2/NDF : 355.5/49

All: 2.239 ± 0.560 χ^2/NDF : 1119.2/101

- sign 6.023 ± 0.790 χ^2/NDF : 717.6/51

diff_bpm0r05Y_rms vs Slug



Right In: 3750.420 $\pm$ 0.791 χ^2 /NDF: 1913284.4/24

Left Out: 4795.847 $\pm$ 0.795 χ^2 /NDF: 361249.7/24

Right Out: 3836.652 $\pm$ 0.765 χ^2 /NDF: 1776625.9/28

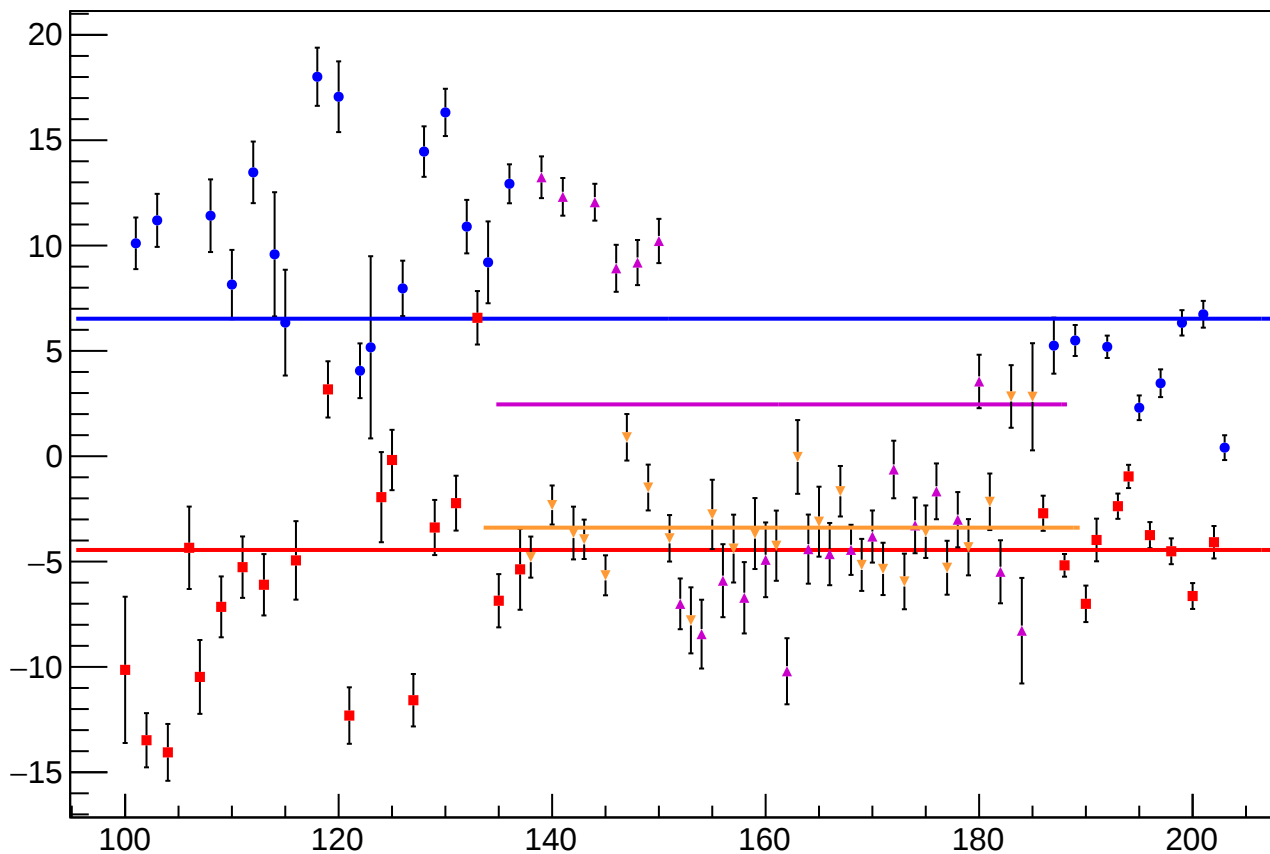
Left In: 4784.434 $\pm$ 0.817 χ^2 /NDF: 357507.2/22

+ sign 4270.623 $\pm$ 0.561 χ^2 /NDF: 3143969.2/49

All: 4274.968 $\pm$ 0.396 χ^2 /NDF: 5994870.3/10

- sign 4279.283 $\pm$ 0.559 χ^2 /NDF: 2850781.4/51

diff_bpm2i01X_mean vs Slug



Right In: 6.528 ± 0.190 χ^2/NDF : 541.2/24

Left Out: -3.390 ± 0.252 χ^2/NDF : 77.7/24

Right Out: -4.449 ± 0.178 χ^2/NDF : 394.0/28

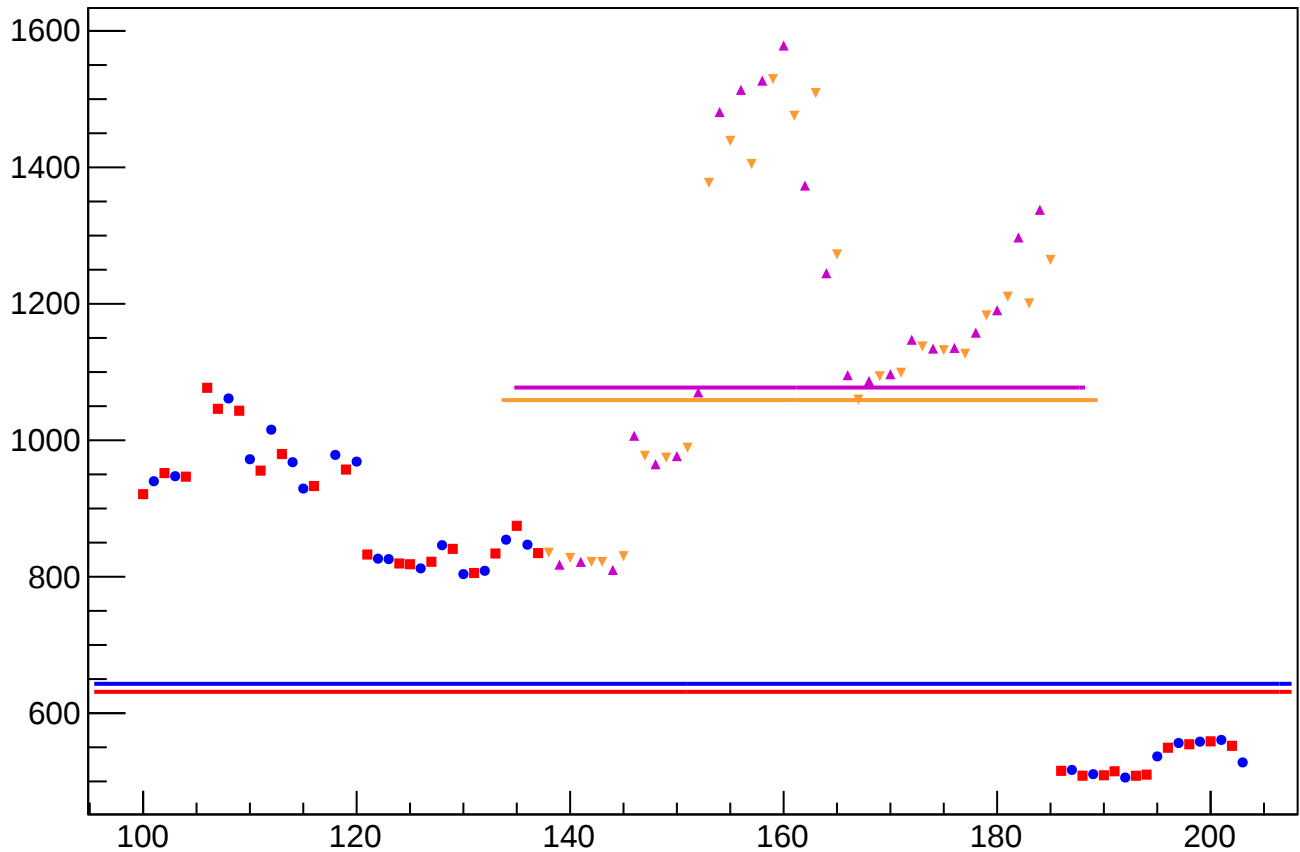
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.937 ± 0.152 χ^2/NDF : 1605.1/49

All: 0.249 ± 0.106 χ^2/NDF : 4007.6/101

- sign -2.294 ± 0.148 χ^2/NDF : 1792.1/51

diff_bpm2i01X_rms vs Slug



Right In: 643.076 $\pm$ 0.134 χ^2 /NDF: 1602974.3/24

Left Out: 1058.941 $\pm$ 0.178 χ^2 /NDF: 1403222.2/24

Right Out: 631.297 $\pm$ 0.126 χ^2 /NDF: 1893050.8/28

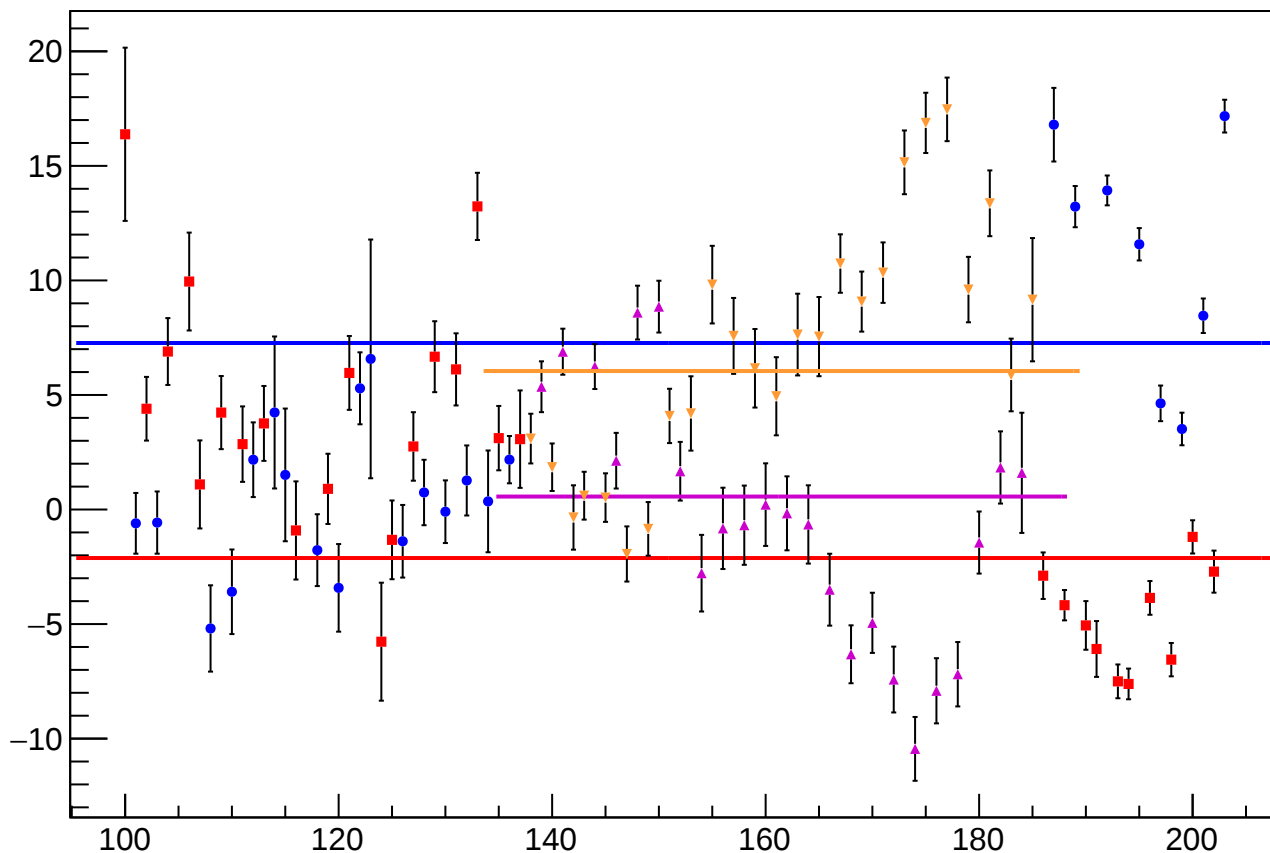
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF: 1280349.9/22

+ sign 793.640 $\pm$ 0.107 χ^2 /NDF: 6473927.5/49

All: 781.689 $\pm$ 0.075 χ^2 /NDF: 13588357.2/10

- sign 770.383 $\pm$ 0.104 χ^2 /NDF: 7090299.8/51

diff_bpm2i01Y_mean vs Slug



Right In: 7.269 ± 0.225 χ^2/NDF : 811.1/24

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

Right Out: -2.117 ± 0.211 χ^2/NDF : 581.7/28

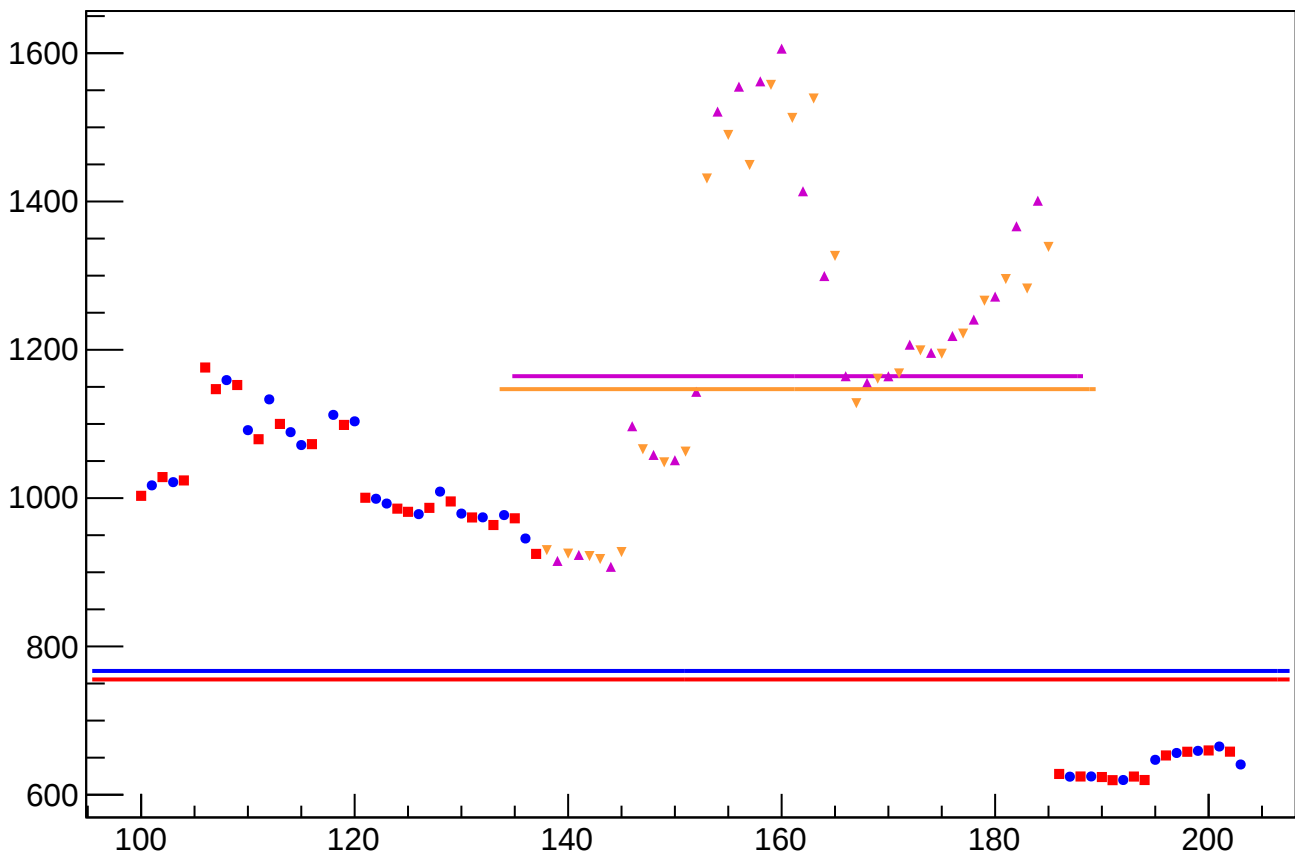
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

+ sign 6.770 ± 0.173 χ^2/NDF : 1253.9/49

All: 2.718 ± 0.121 χ^2/NDF : 3379.2/101

- sign -1.161 ± 0.170 χ^2/NDF : 1056.1/51

diff_bpm2i01Y_rms vs Slug



Right In: 766.936+/-0.159 χ^2/NDF : 1304503.4/24

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

Right Out: 755.463+/-0.150 χ^2/NDF : 1522680.6/28

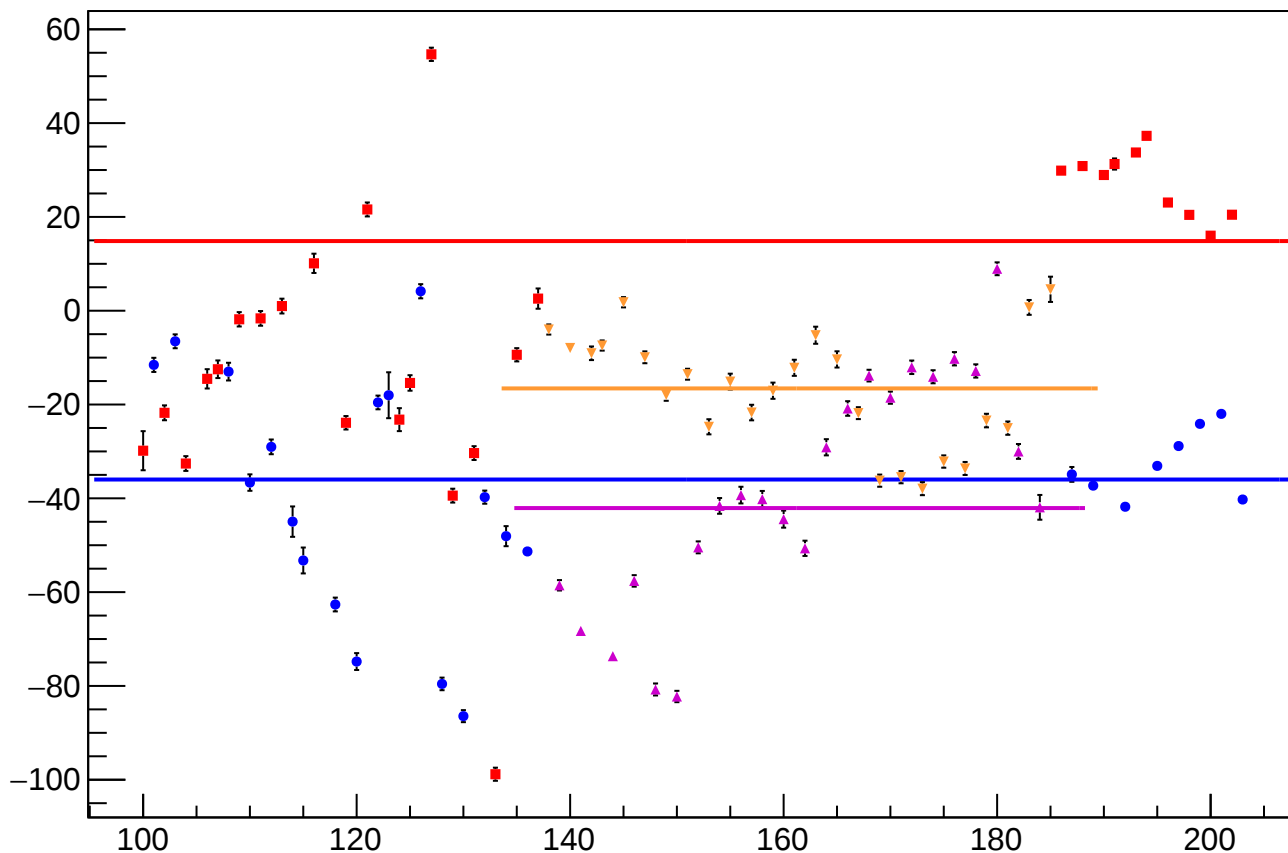
Left In: 1164.432+/-0.201 χ^2/NDF : 944112.0/22

+ sign 921.716+/-0.123 χ^2/NDF : 4669828.0/49

All: 911.253+/-0.086 χ^2/NDF : 9817657.5/103

- sign 901.238+/-0.120 χ^2/NDF : 5133574.4/51

diff_bpm2i02X_mean vs Slug



Right In: -35.990 ± 0.222 χ^2/NDF : 6200.1/24

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

Right Out: 14.851 ± 0.208 χ^2/NDF : 16918.4/28

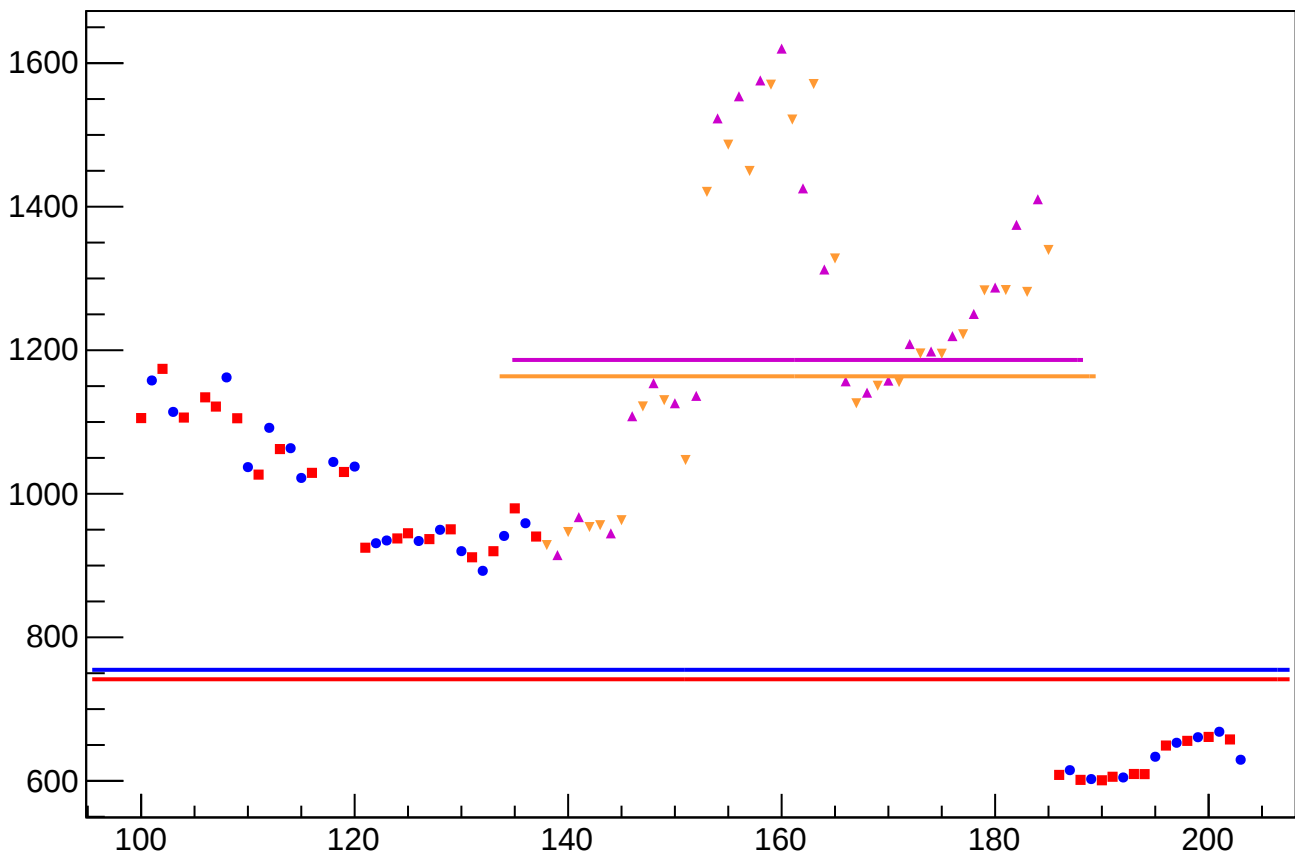
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -28.350 ± 0.173 χ^2/NDF : 11152.0/49

All: -16.152 ± 0.121 χ^2/NDF : 71745.1/101

- sign -4.515 ± 0.169 χ^2/NDF : 50836.6/51

diff_bpm2i02X_rms vs Slug



Right In: 754.748 $\pm$ 0.157 χ^2 /NDF: 1316302.9/24

Left Out: 1163.691 $\pm$ 0.195 χ^2 /NDF: 936079.1/24

Right Out: 741.552 $\pm$ 0.147 χ^2 /NDF: 1537305.4/28

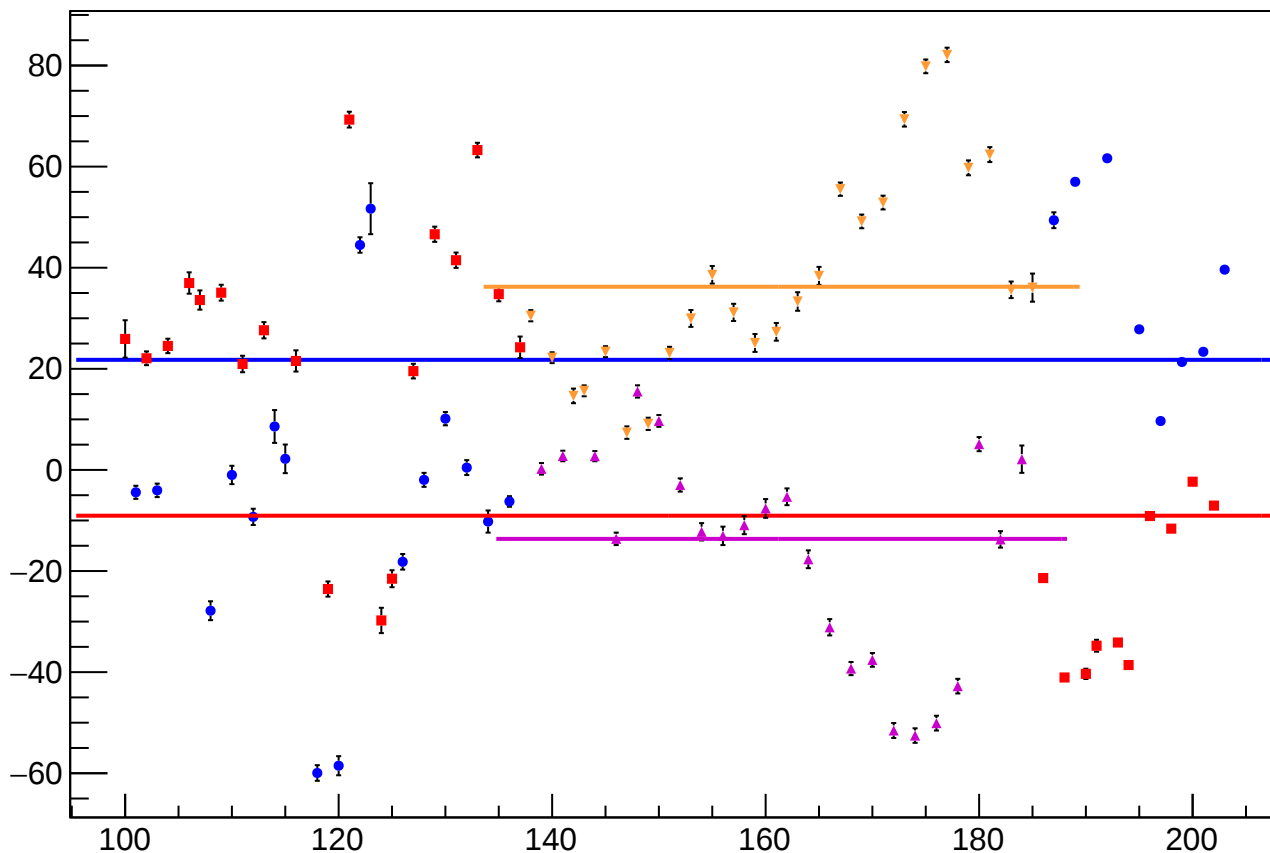
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF: 833420.3/22

+ sign 915.598 $\pm$ 0.122 χ^2 /NDF: 4930433.8/49

All: 903.985 $\pm$ 0.085 χ^2 /NDF: 10444602.4/10

- sign 892.906 $\pm$ 0.119 χ^2 /NDF: 5496482.6/51

diff_bpm2i02Y_mean vs Slug



Right In: 21.779 ± 0.219 $\chi^2/\text{NDF}: 16124.6/24$

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

Right Out: -9.055 ± 0.206 $\chi^2/\text{NDF}: 20863.1/28$

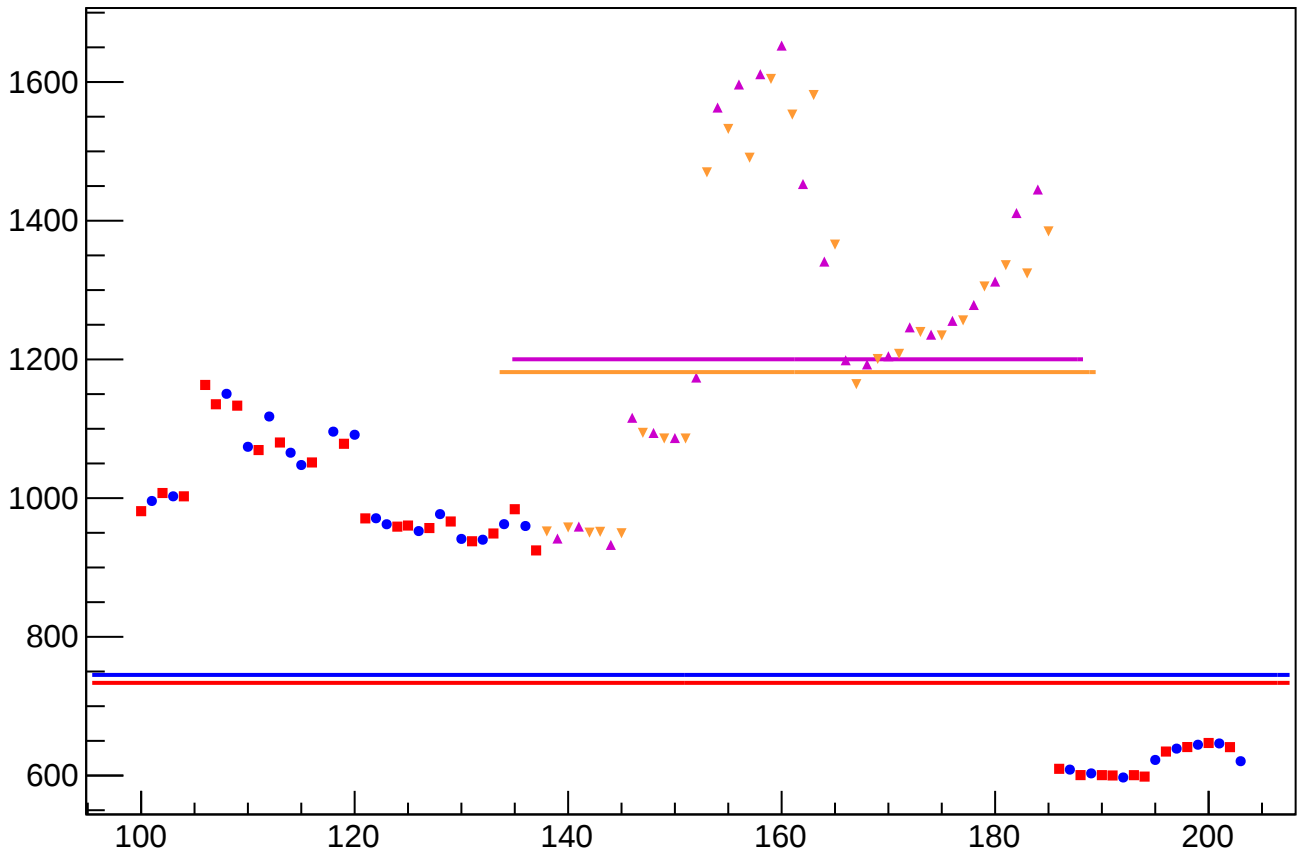
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 27.272 ± 0.173 $\chi^2/\text{NDF}: 23572.8/49$

All: 7.879 ± 0.120 $\chi^2/\text{NDF}: 74433.2/101$

- sign -10.569 ± 0.168 $\chi^2/\text{NDF}: 26205.3/51$

diff_bpm2i02Y_rms vs Slug



Right In: 745.103 $\pm$ 0.155 χ^2 /NDF: 1379451.9/24

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

Right Out: 733.634 $\pm$ 0.145 χ^2 /NDF: 1604540.7/28

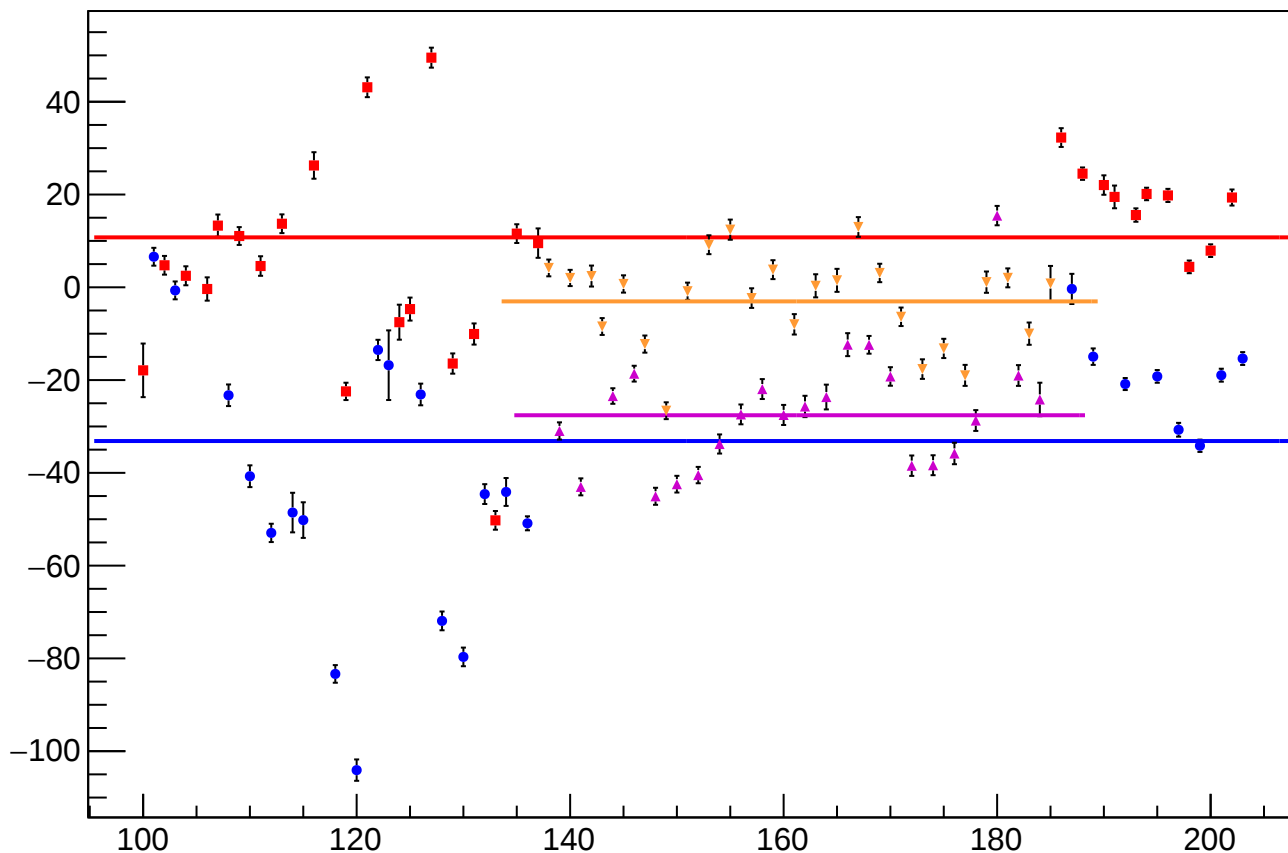
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 911.013 $\pm$ 0.122 χ^2 /NDF: 5441096.4/49

All: 899.085 $\pm$ 0.085 χ^2 /NDF: 11403578.2/10

- sign 887.738 $\pm$ 0.119 χ^2 /NDF: 5943825.9/51

diff_bpm0i02X_mean vs Slug



Right In: -33.141 ± 0.377 χ^2/NDF : 4380.4/24

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

Right Out: 10.764 ± 0.358 χ^2/NDF : 2609.7/28

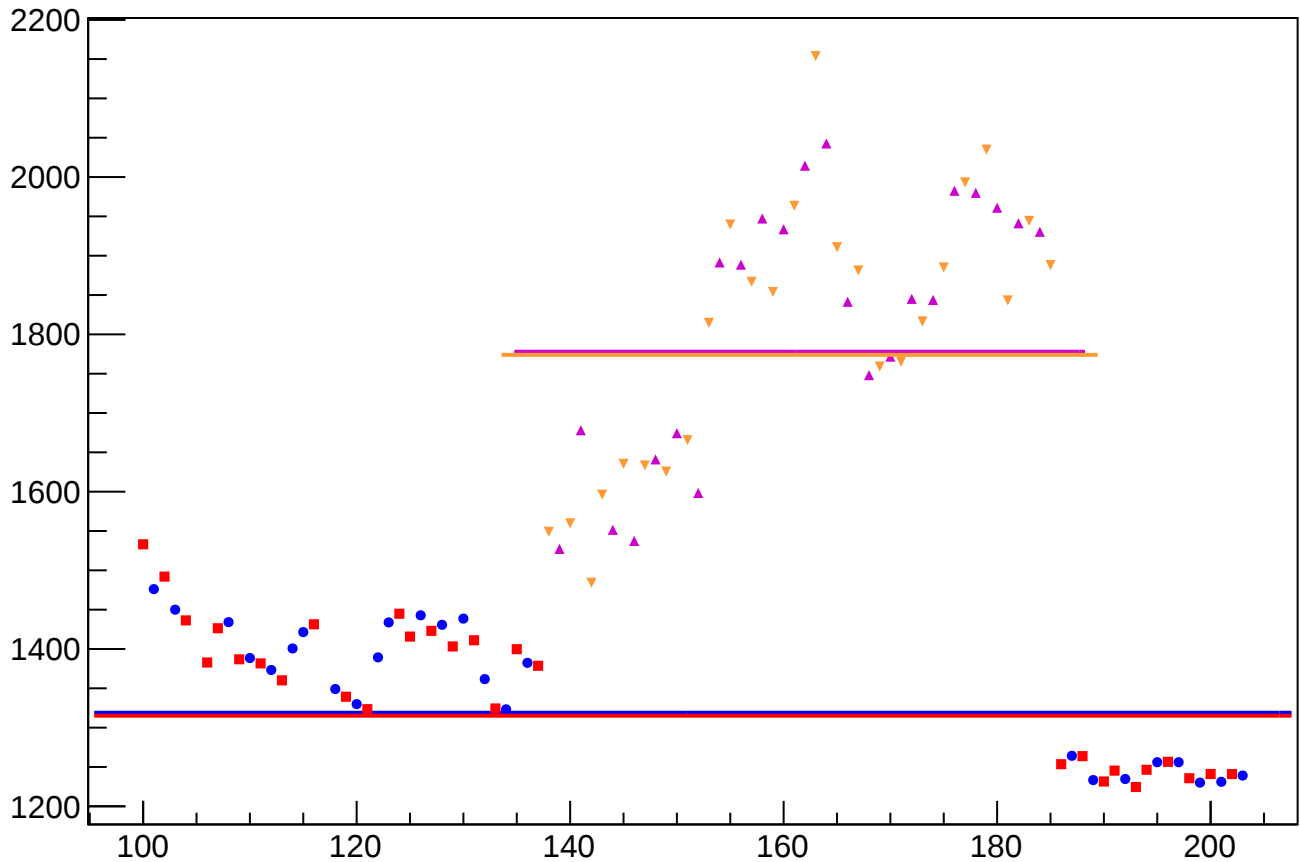
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -19.514 ± 0.279 χ^2/NDF : 7814.9/49

All: -12.137 ± 0.196 χ^2/NDF : 17466.5/101

- sign -4.986 ± 0.275 χ^2/NDF : 8277.5/51

diff_bpm0i02X_rms vs Slug



Right In: 1318.928 $\pm$ 0.267 χ^2 /NDF: 104171.1/24

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

Right Out: 1315.229 $\pm$ 0.253 χ^2 /NDF: 104745.5/28

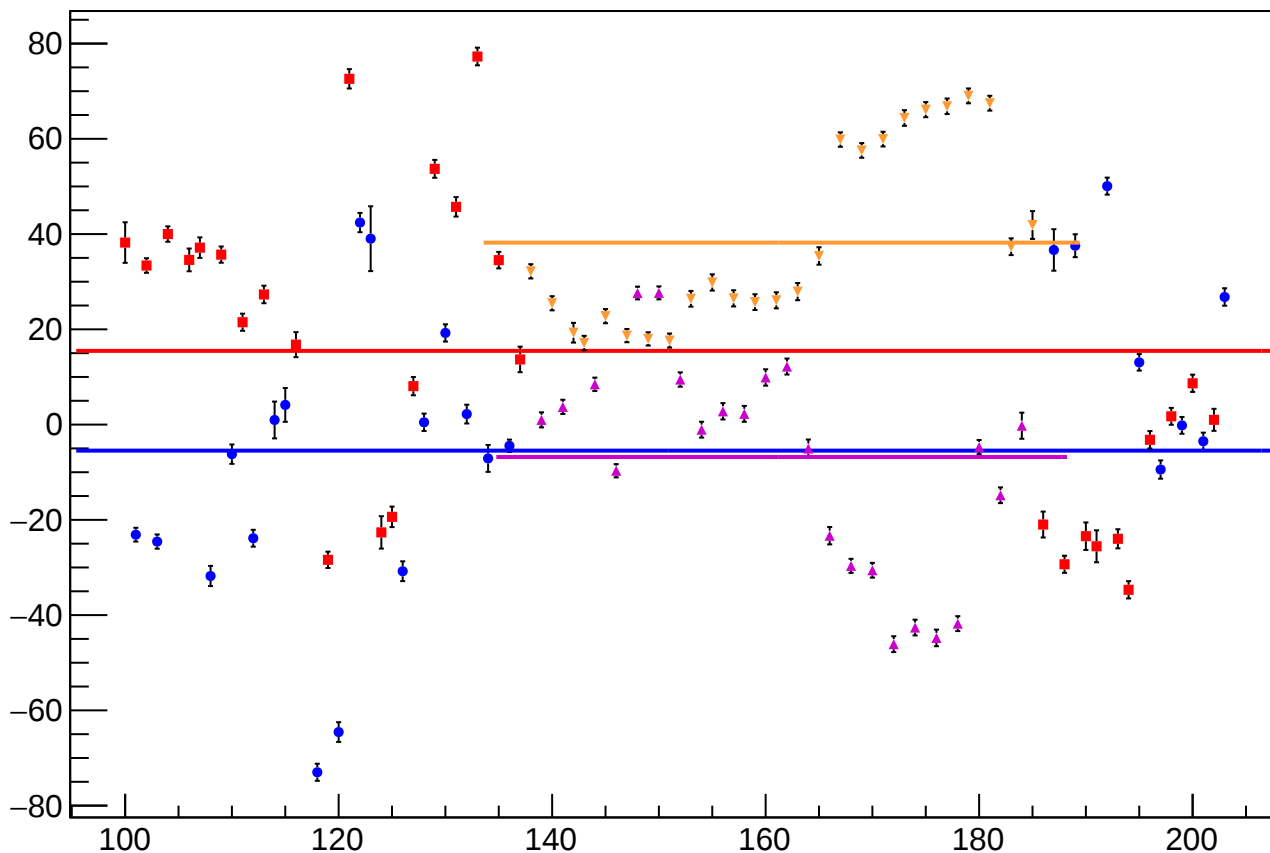
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1524.906 $\pm$ 0.197 χ^2 /NDF: 1732747.5/49

All: 1514.929 $\pm$ 0.139 χ^2 /NDF: 3512571.7/10

- sign 1505.257 $\pm$ 0.194 χ^2 /NDF: 1774796.6/51

diff_bpm0i02Y_mean vs Slug



Right In: -5.466 ± 0.391 χ^2/NDF : 5590.9/24

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

Right Out: 15.479 ± 0.375 χ^2/NDF : 6969.9/28

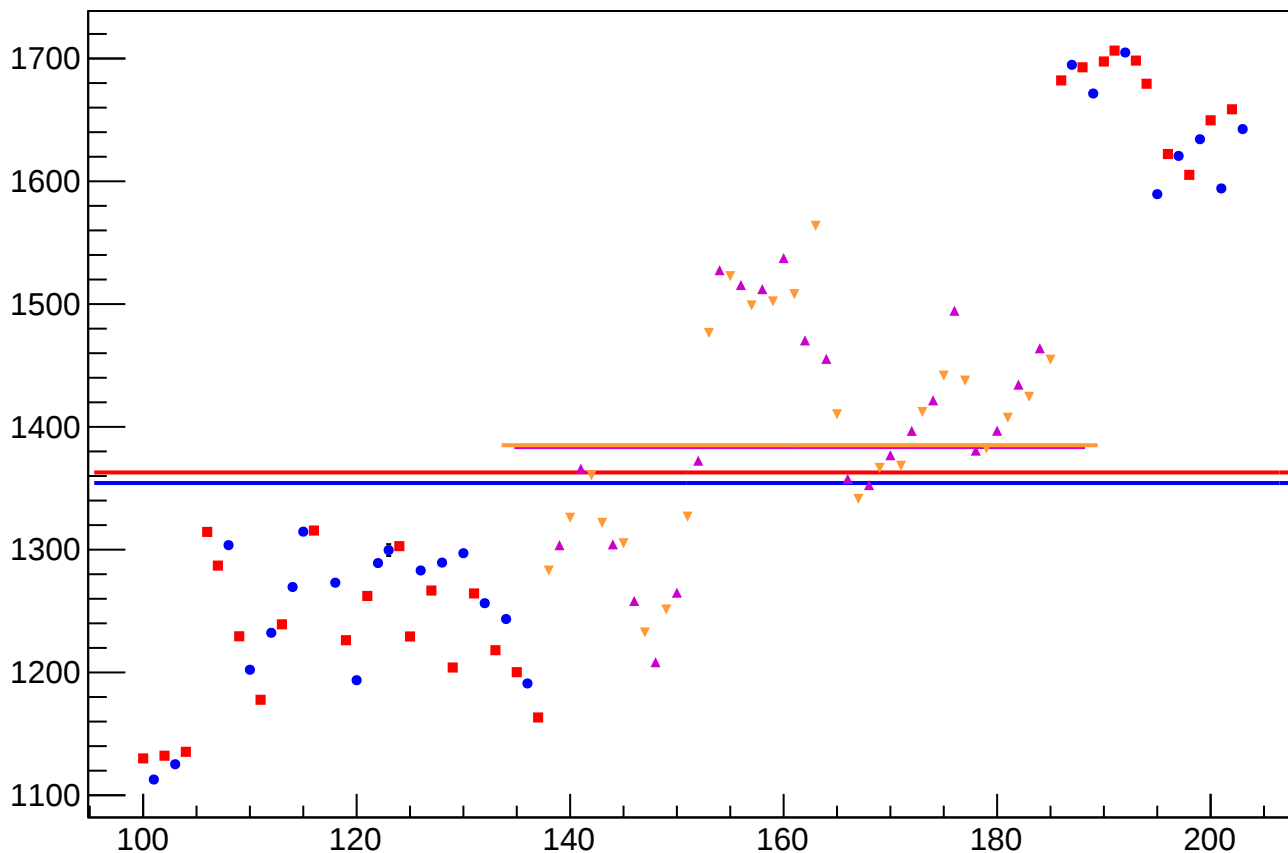
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 20.474 ± 0.249 χ^2/NDF : 16510.8/49

All: 11.737 ± 0.176 χ^2/NDF : 32405.6/101

- sign 3.013 ± 0.249 χ^2/NDF : 13438.6/51

diff_bpm0i02Y_rms vs Slug



Right In: 1354.286 $\pm$ 0.277 χ^2 /NDF: 524075.5/24

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

Right Out: 1362.880 $\pm$ 0.265 χ^2 /NDF: 648629.0/28

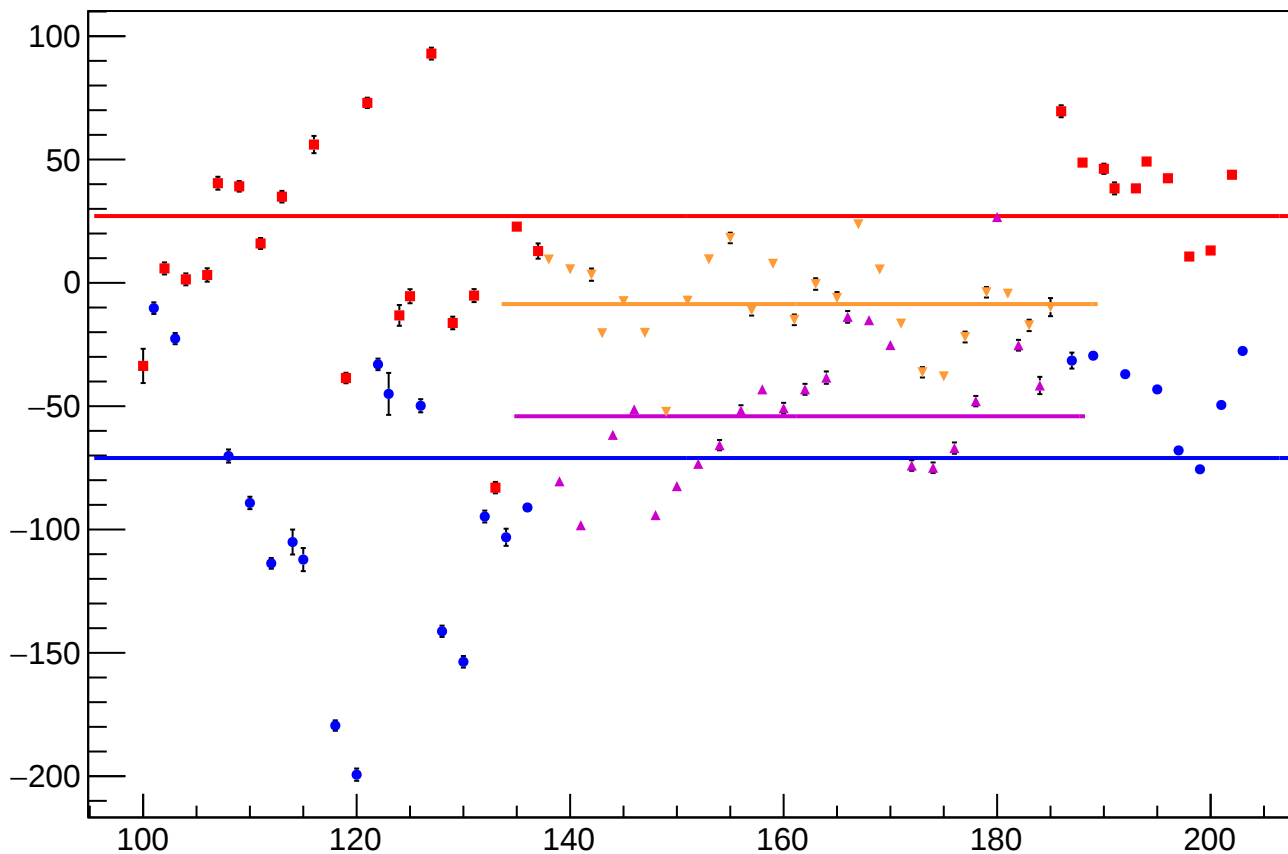
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1372.567 $\pm$ 0.176 χ^2 /NDF: 677432.9/49

All: 1373.507 $\pm$ 0.125 χ^2 /NDF: 1484213.6/10

- sign 1374.445 $\pm$ 0.176 χ^2 /NDF: 806723.8/51

diff_bpm0i02aX_mean vs Slug



Right In: -71.016 ± 0.417 χ^2/NDF : 12510.4/24

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

Right Out: 27.076 ± 0.391 χ^2/NDF : 6978.2/28

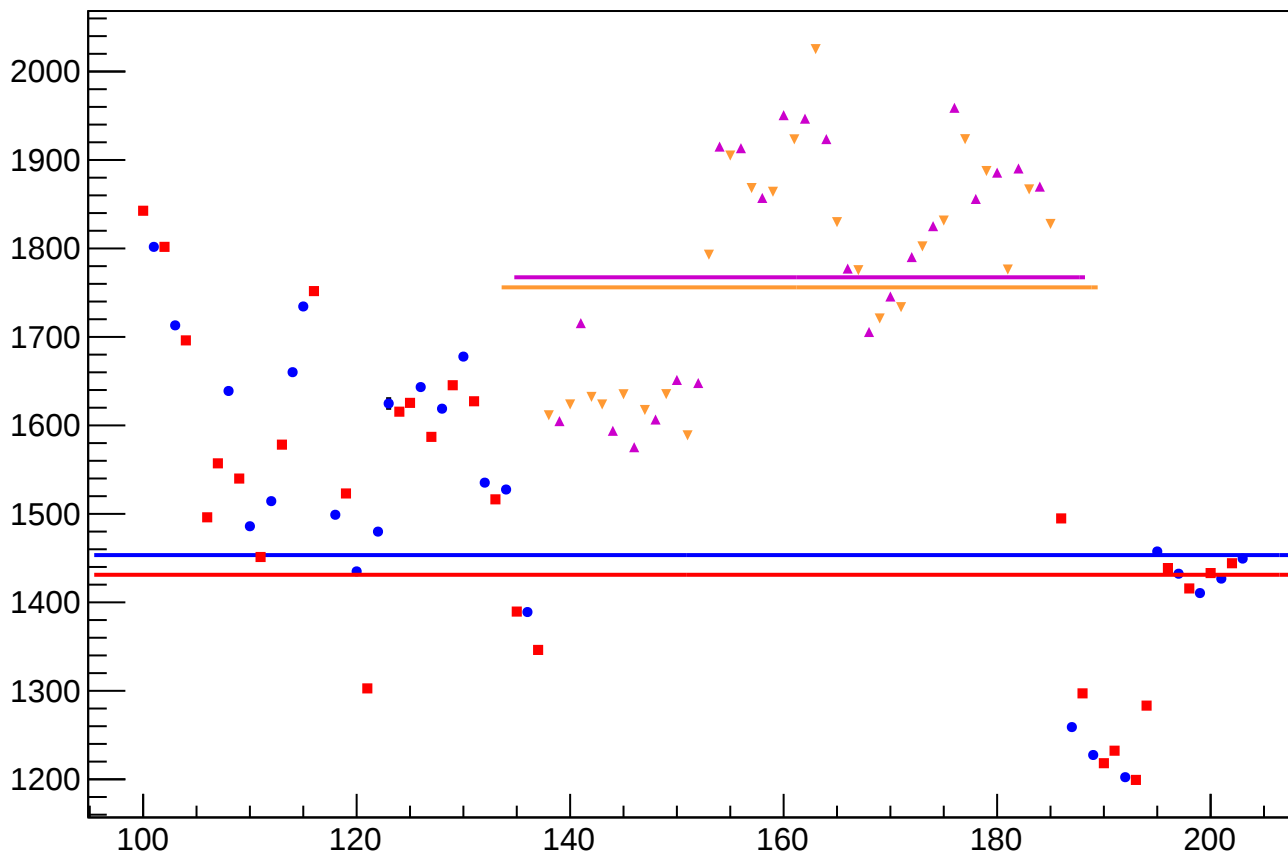
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -39.269 ± 0.293 χ^2/NDF : 25813.1/49

All: -24.466 ± 0.205 χ^2/NDF : 62257.4/101

- sign -10.111 ± 0.288 χ^2/NDF : 31401.9/51

diff_bpm0i02aX_rms vs Slug



Right In: 1453.421 $\pm$ 0.295 χ^2 /NDF: 261497.2/24

Left Out: 1756.034 $\pm$ 0.290 χ^2 /NDF: 175762.3/24

Right Out: 1431.159 $\pm$ 0.277 χ^2 /NDF: 307809.6/28

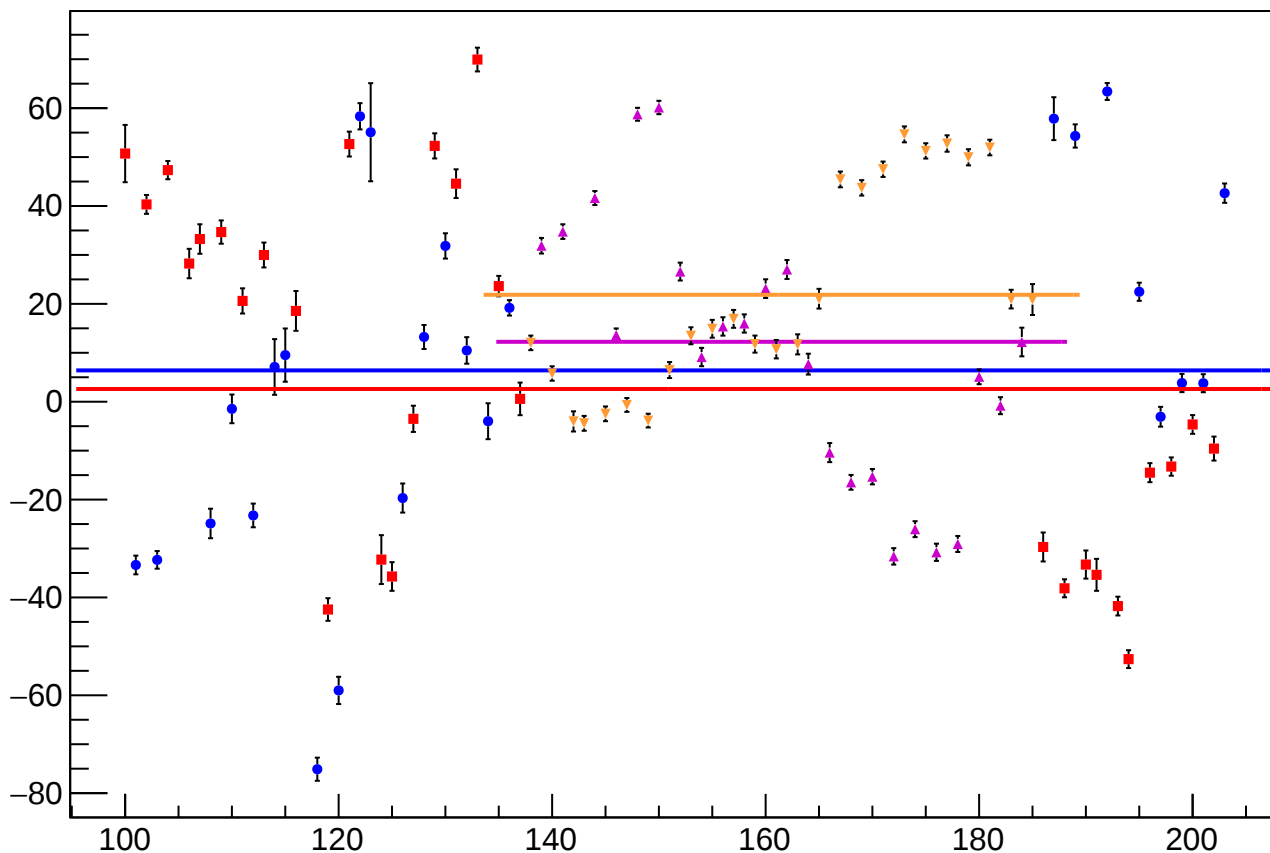
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF: 187958.2/22

+ sign 1607.355 $\pm$ 0.207 χ^2 /NDF: 971990.1/49

All: 1596.116 $\pm$ 0.145 χ^2 /NDF: 2149874.7/10

- sign 1585.218 $\pm$ 0.204 χ^2 /NDF: 1172072.1/51

diff_bpm0i02aY_mean vs Slug



Right In: 6.401 ± 0.472 $\chi^2/\text{NDF}: 5626.7/24$

Left Out: 21.856 ± 0.335 $\chi^2/\text{NDF}: 4110.5/24$

Right Out: 2.602 ± 0.450 $\chi^2/\text{NDF}: 6548.5/28$

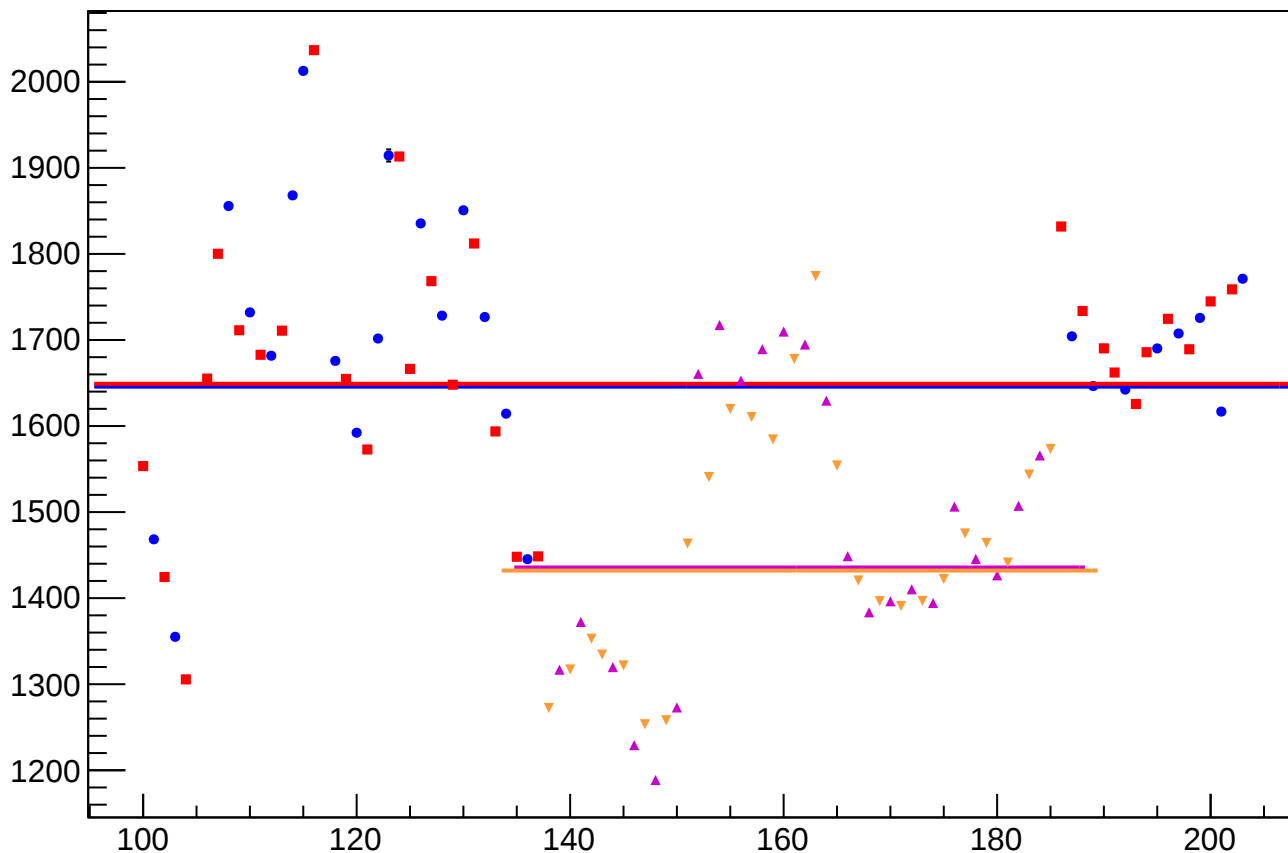
Left In: 12.246 ± 0.347 $\chi^2/\text{NDF}: 6781.6/22$

+ sign 16.677 ± 0.273 $\chi^2/\text{NDF}: 10448.9/49$

All: 12.687 ± 0.194 $\chi^2/\text{NDF}: 24495.0/101$

- sign 8.653 ± 0.275 $\chi^2/\text{NDF}: 13617.8/51$

diff_bpm0i02aY_rms vs Slug



Right In: 1645.787 $\pm$ 0.334 χ^2 /NDF: 169417.0/24

Left Out: 1432.060 $\pm$ 0.237 χ^2 /NDF: 297360.3/24

Right Out: 1649.114 $\pm$ 0.318 χ^2 /NDF: 192645.7/28

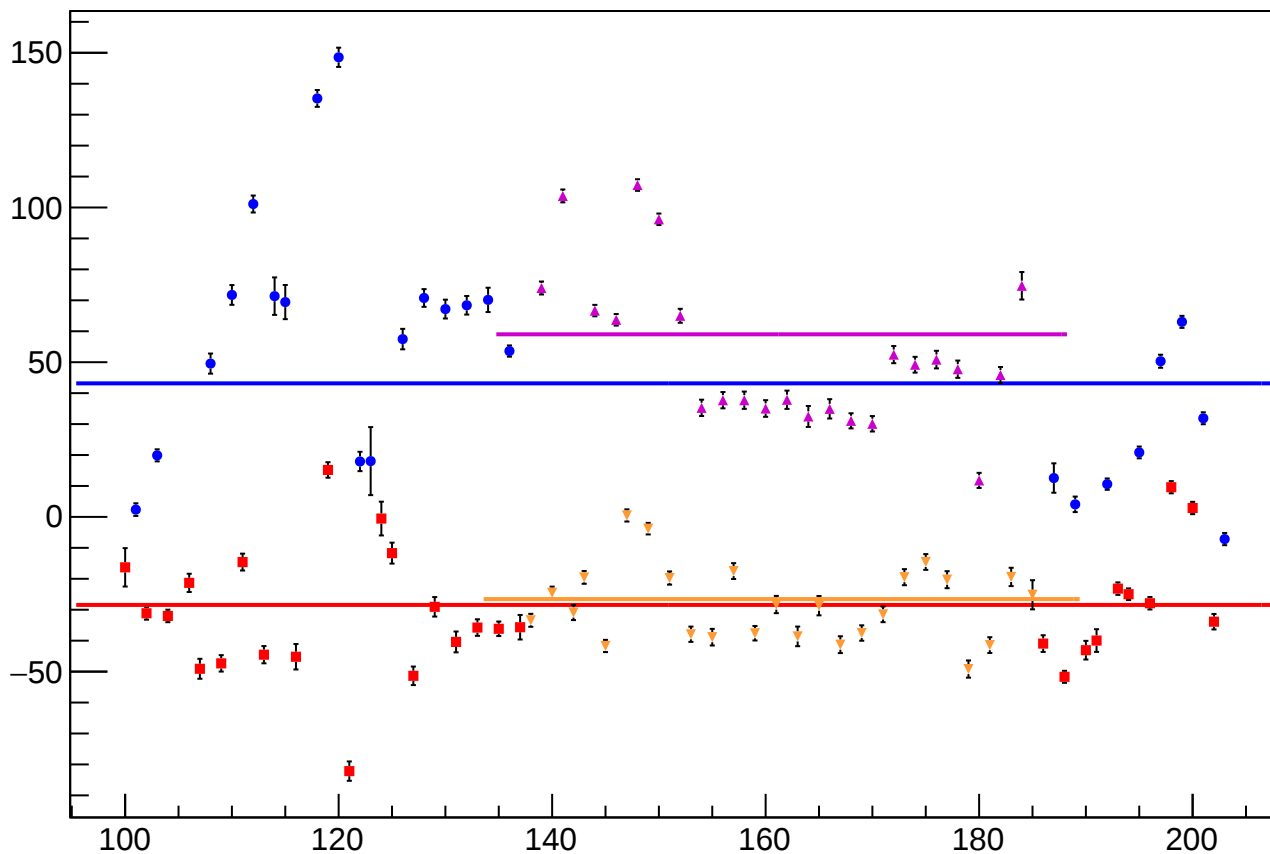
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1503.671 $\pm$ 0.193 χ^2 /NDF: 739020.0/49

All: 1509.390 $\pm$ 0.137 χ^2 /NDF: 1636153.8/10

- sign 1515.172 $\pm$ 0.194 χ^2 /NDF: 895374.2/51

diff_bpm0i05X_mean vs Slug



Right In: 43.160 ± 0.511 $\chi^2/\text{NDF}: 5342.5/24$

Left Out: -26.554 ± 0.488 $\chi^2/\text{NDF}: 717.5/24$

Right Out: -28.449 ± 0.484 $\chi^2/\text{NDF}: 1755.7/28$

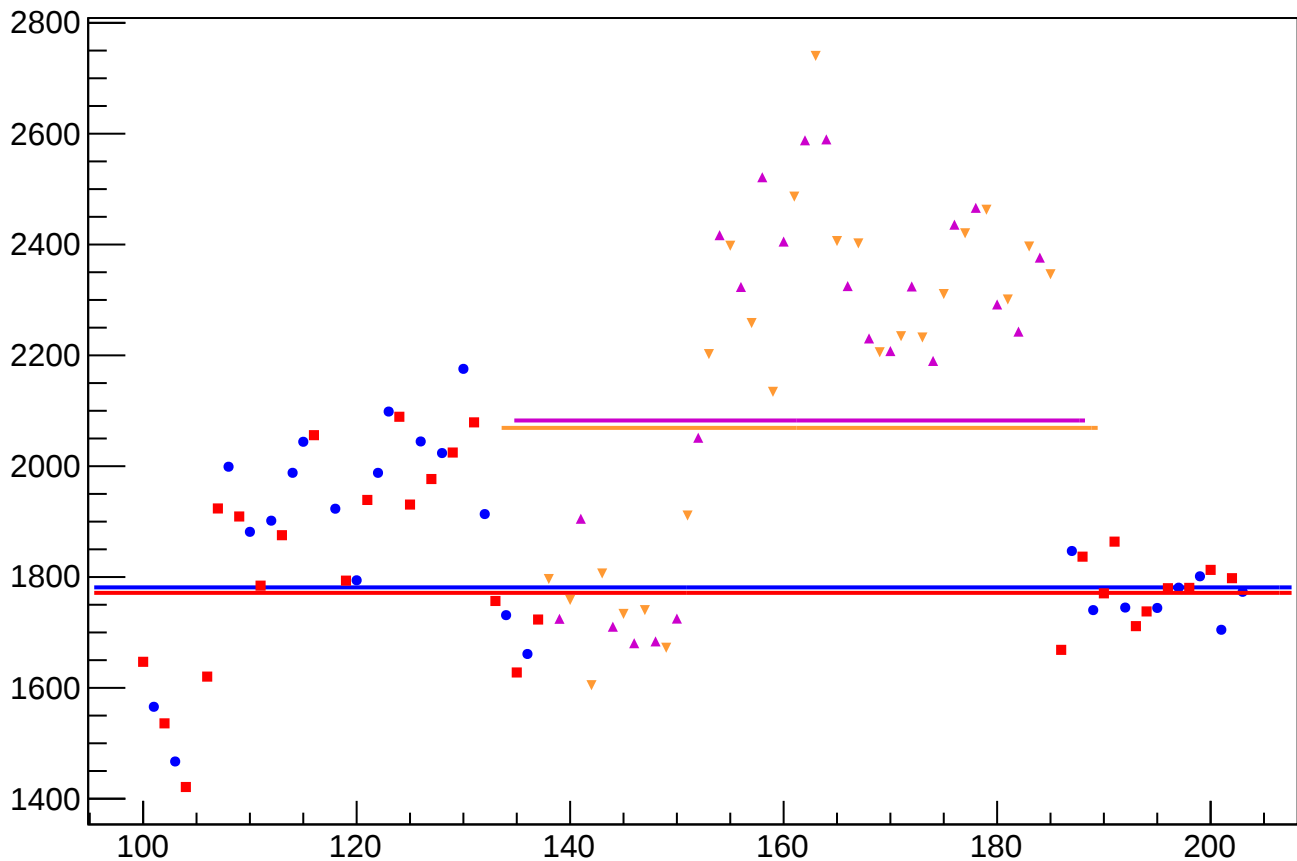
Left In: 59.014 ± 0.506 $\chi^2/\text{NDF}: 2783.8/22$

+ sign 6.670 ± 0.353 $\chi^2/\text{NDF}: 15791.5/49$

All: 9.998 ± 0.248 $\chi^2/\text{NDF}: 36109.1/101$

- sign 13.265 ± 0.350 $\chi^2/\text{NDF}: 20141.4/51$

diff_bpm0i05X_rms vs Slug



Right In: 1781.348 $\pm$ 0.362 χ^2 /NDF: 191113.5/24

Left Out: 2069.146 $\pm$ 0.345 χ^2 /NDF: 799037.9/24

Right Out: 1771.458 $\pm$ 0.342 χ^2 /NDF: 187835.5/28

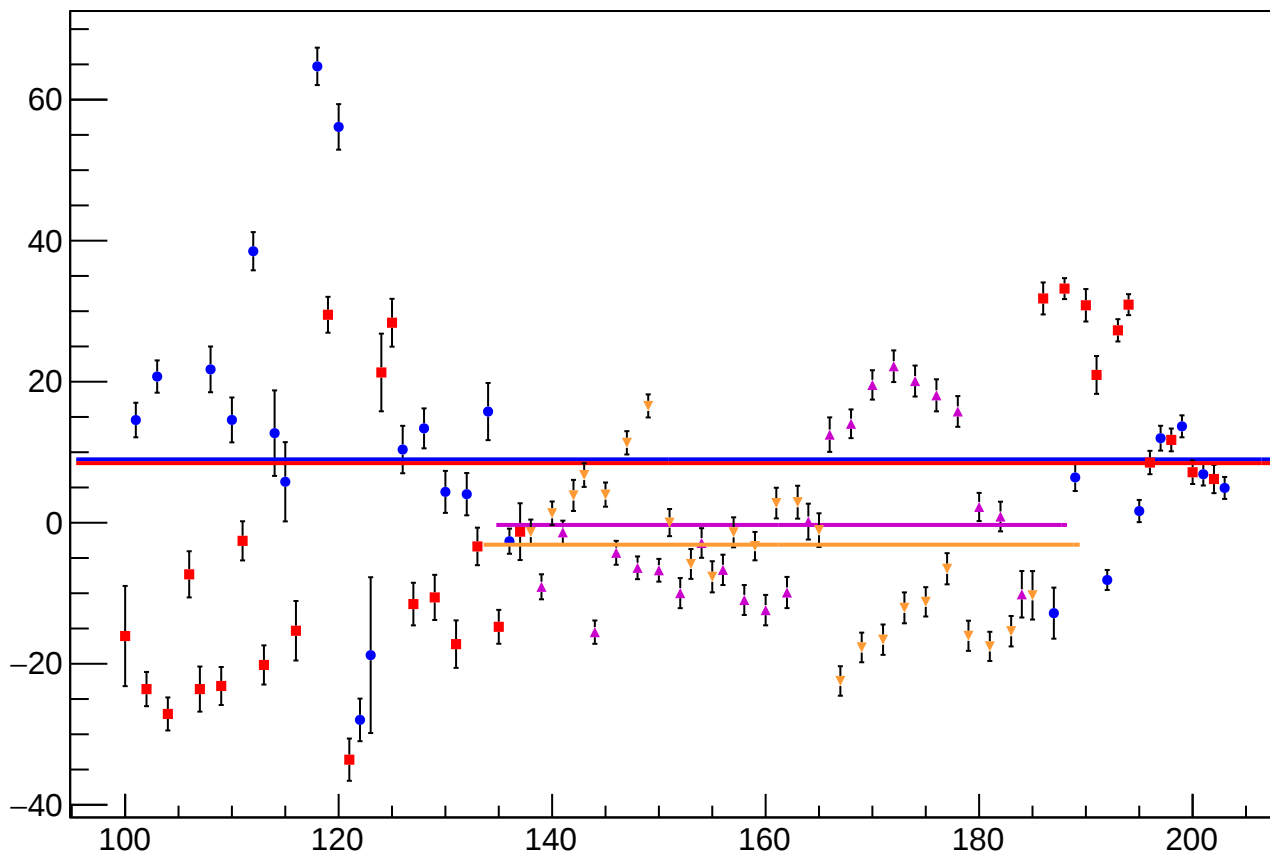
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1931.988 $\pm$ 0.250 χ^2 /NDF: 1321850.5/49

All: 1925.841 $\pm$ 0.176 χ^2 /NDF: 2690820.0/10

- sign 1919.804 $\pm$ 0.247 χ^2 /NDF: 1367767.0/51

diff_bpm0i05Y_mean vs Slug



Right In: 8.986 ± 0.461 $\chi^2/\text{NDF}: 1259.7/24$

Left Out: -3.112 ± 0.404 $\chi^2/\text{NDF}: 643.7/24$

Right Out: 8.450 ± 0.436 $\chi^2/\text{NDF}: 2269.5/28$

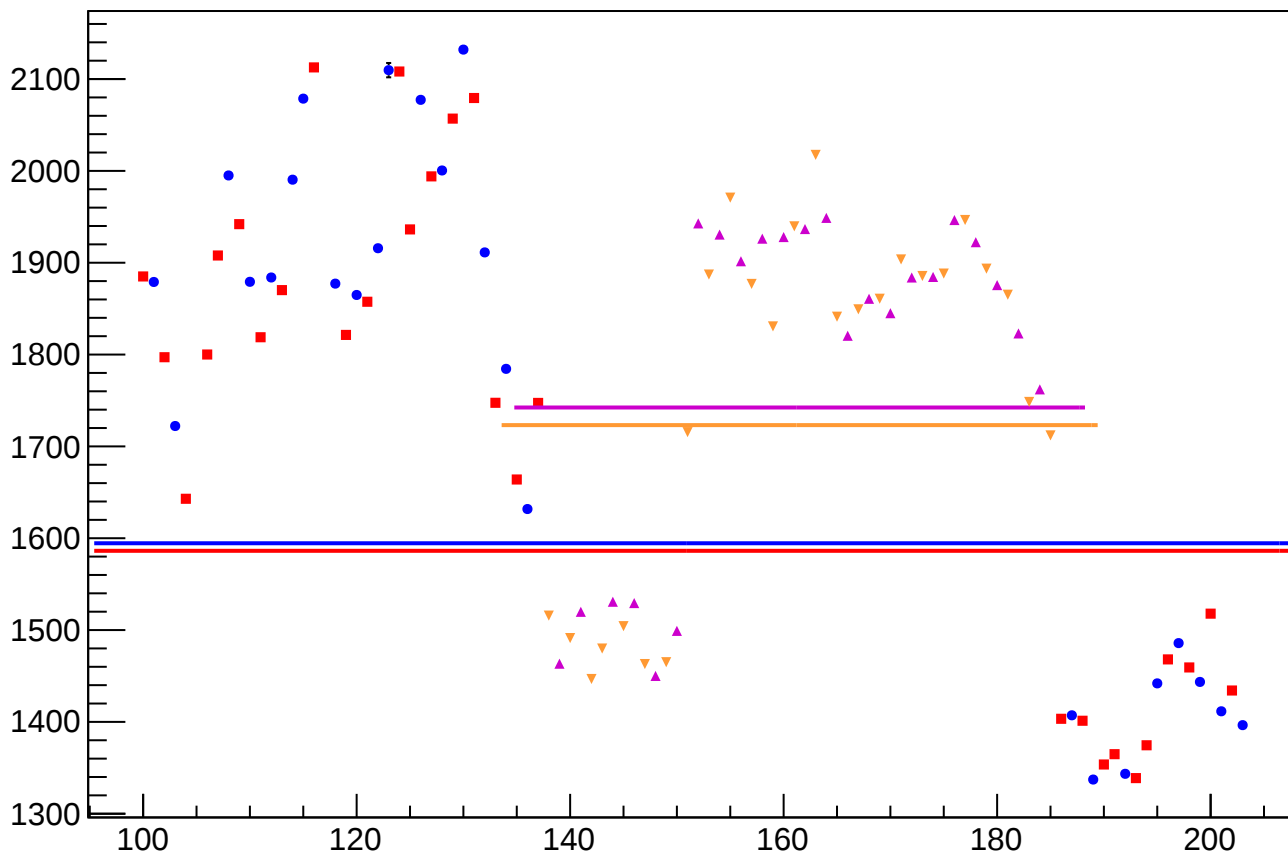
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 2.145 ± 0.304 $\chi^2/\text{NDF}: 2292.6/49$

All: 3.034 ± 0.215 $\chi^2/\text{NDF}: 5524.6/101$

- sign 3.916 ± 0.303 $\chi^2/\text{NDF}: 3214.9/51$

diff_bpm0i05Y_rms vs Slug



Right In: 1594.524+/-0.326 χ^2/NDF : 572570.3/24

Left Out: 1723.168+/-0.286 χ^2/NDF : 477441.1/24

Right Out: 1586.305+/-0.308 χ^2/NDF : 562580.5/28

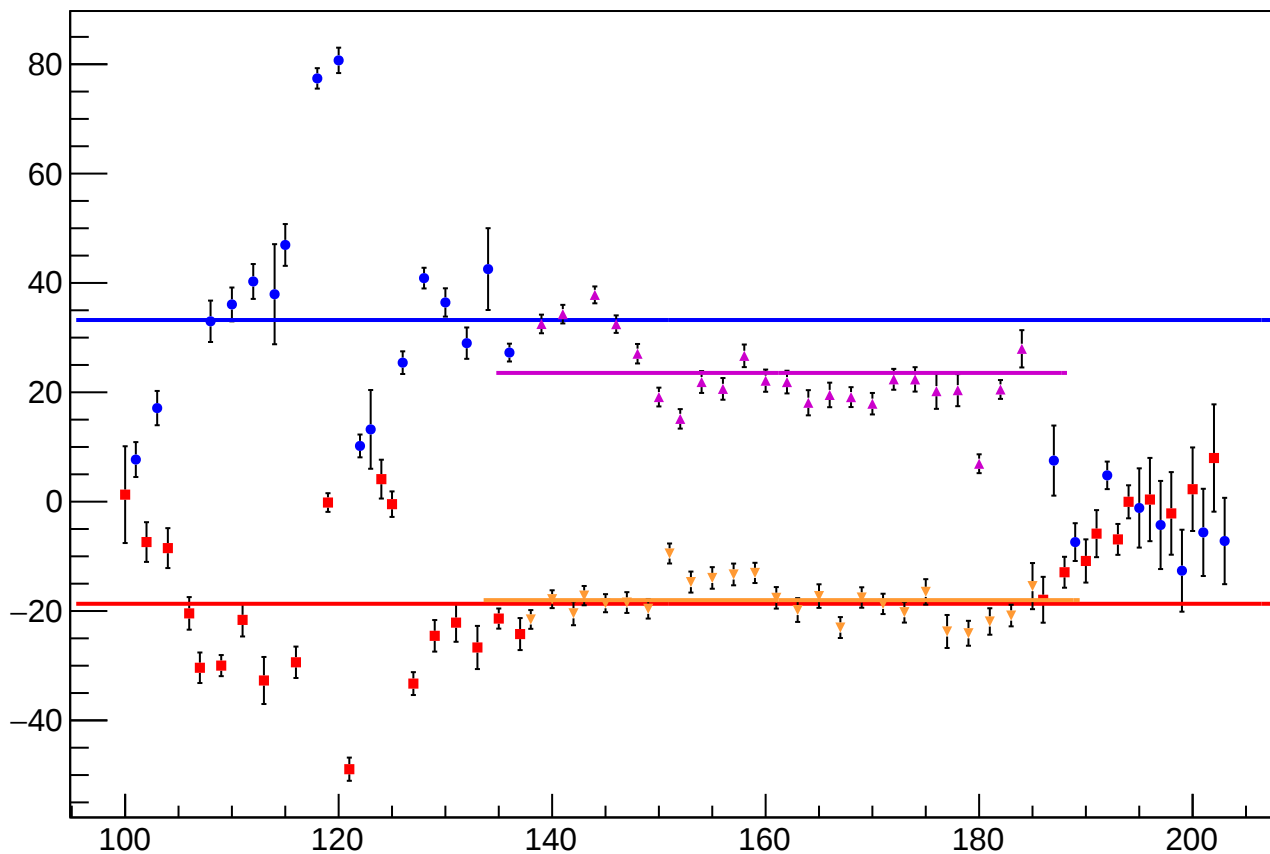
Left In: 1742.354+/-0.298 χ^2/NDF : 435841.5/22

+ sign 1667.269+/-0.215 χ^2/NDF : 1138025.3/49

All: 1667.164+/-0.152 χ^2/NDF : 2268979.6/10

- sign 1667.060+/-0.214 χ^2/NDF : 1130953.9/51

diff_bpm0i07X_mean vs Slug



Right In: 33.220 $\pm$ 0.598 χ^2 /NDF: 1677.7/24

Left Out: -18.007 $\pm$ 0.397 χ^2 /NDF: 73.8/24

Right Out: -18.677 $\pm$ 0.551 χ^2 /NDF: 685.3/28

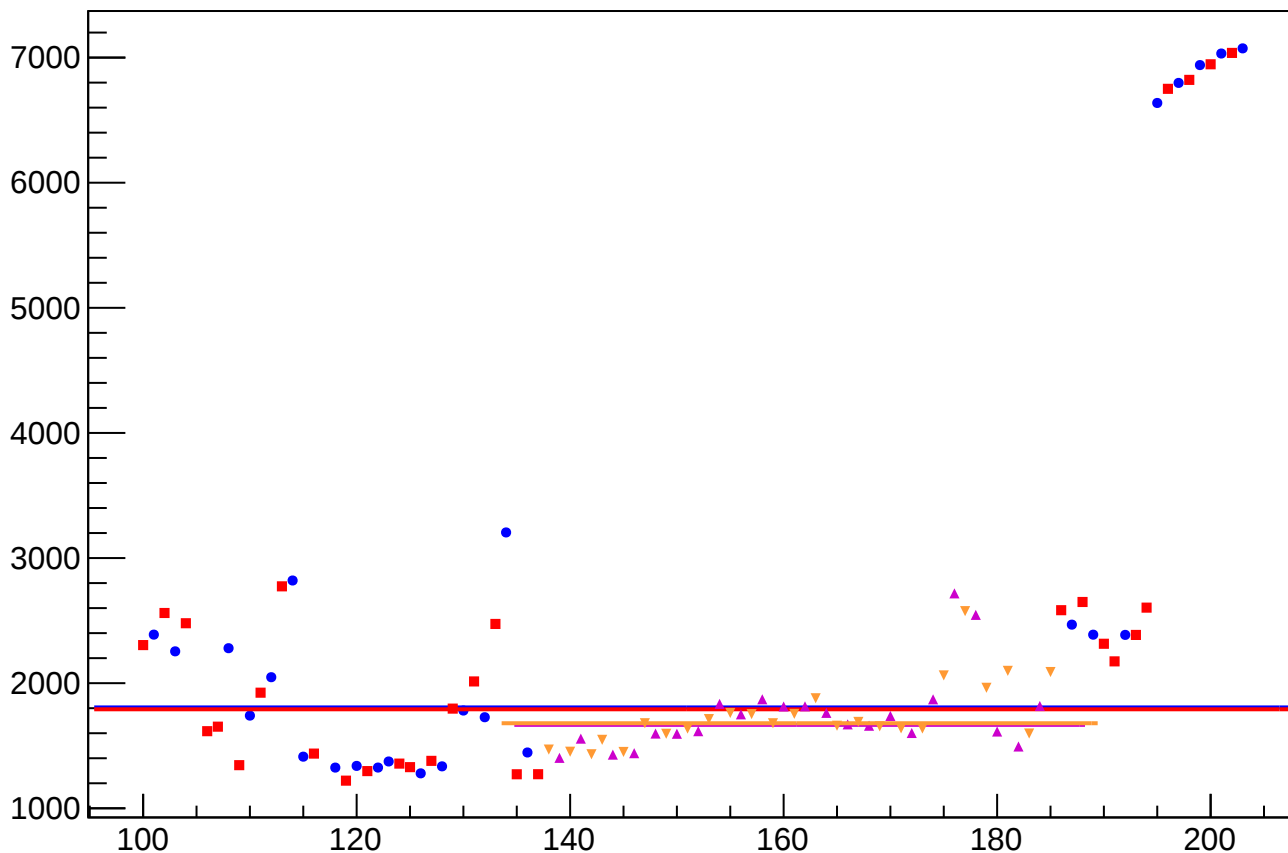
Left In: 23.544 $\pm$ 0.406 χ^2 /NDF: 346.7/22

+ sign -2.336 $\pm$ 0.330 χ^2 /NDF: 6852.9/49

All: 3.254 $\pm$ 0.232 χ^2 /NDF: 12254.6/101

- sign 8.719 $\pm$ 0.327 χ^2 /NDF: 4835.8/51

diff_bpm0i07X_rms vs Slug



Right In: 1806.133+/-0.423 χ^2/NDF : 5473587.6/24

Left Out: 1679.814+/-0.281 χ^2/NDF : 522795.6/24

Right Out: 1791.266+/-0.390 χ^2/NDF : 4989079.4/28

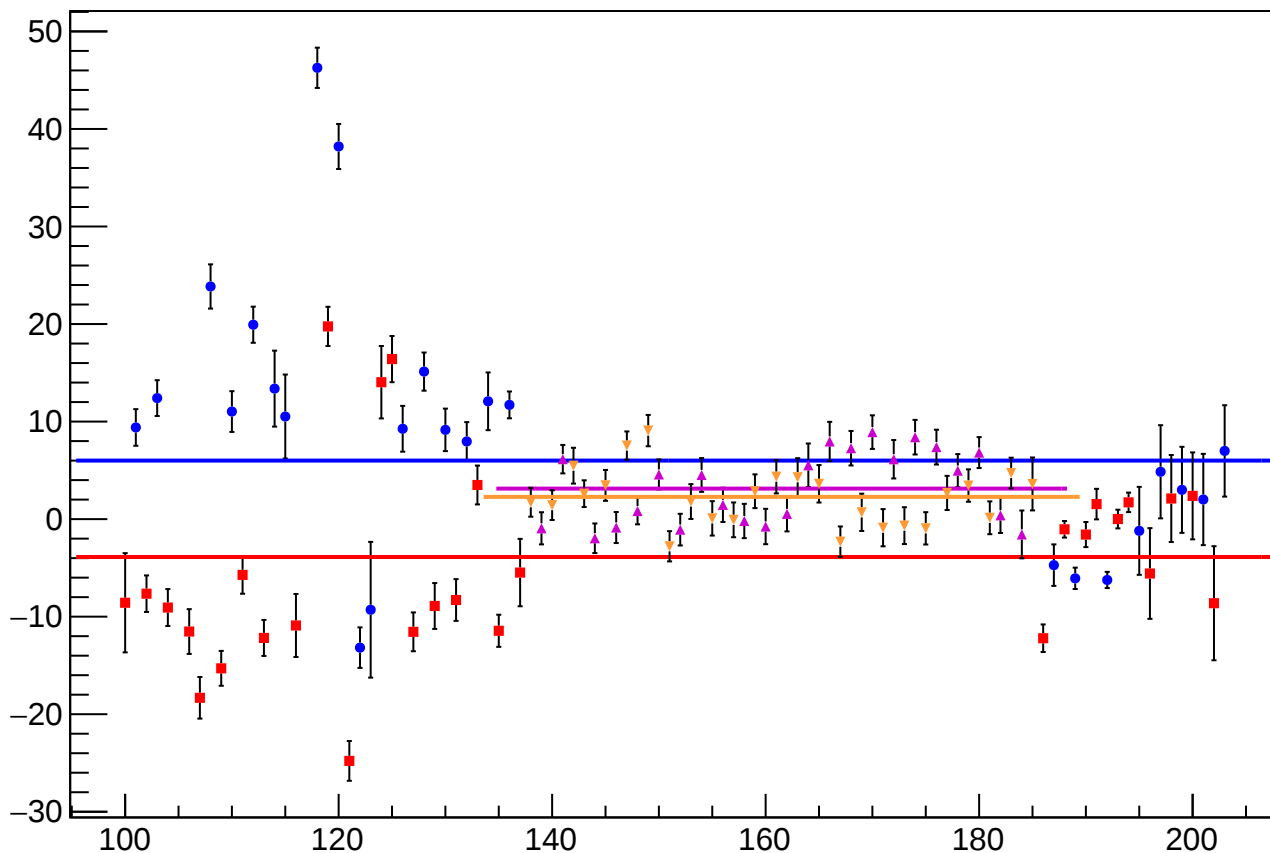
Left In: 1666.819+/-0.287 χ^2/NDF : 650990.8/22

+ sign 1718.456+/-0.234 χ^2/NDF : 6058420.5/49

All: 1714.441+/-0.164 χ^2/NDF : 11765165.6/101

- sign 1710.515+/-0.231 χ^2/NDF : 5706161.2/51

diff_bpm0i07Y_mean vs Slug



Right In: 6.002 ± 0.396 χ^2/NDF : 1225.9/24

Left Out: 2.280 ± 0.338 χ^2/NDF : 75.6/24

Right Out: -3.883 ± 0.329 χ^2/NDF : 648.1/28

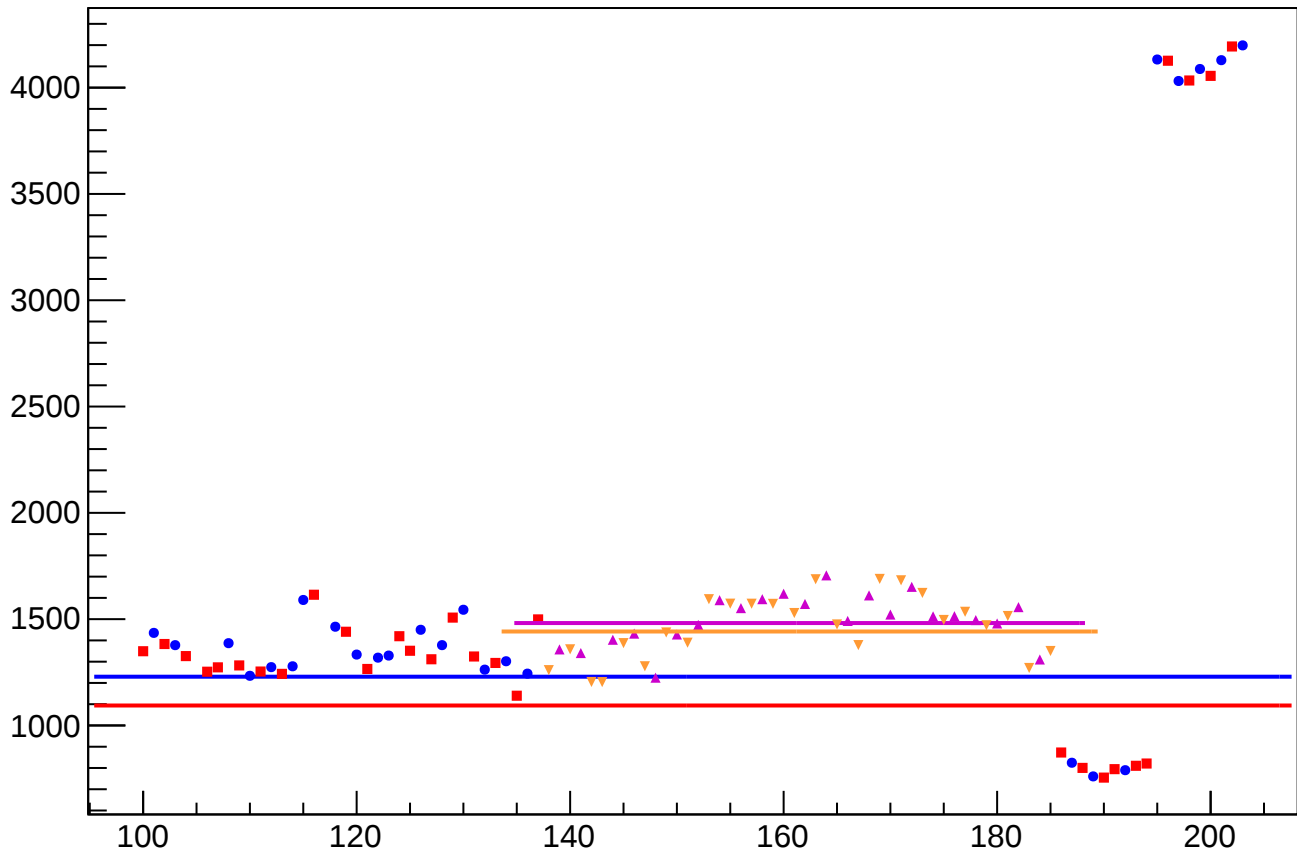
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.850 ± 0.257 χ^2/NDF : 1352.5/49

All: 1.453 ± 0.176 χ^2/NDF : 2476.1/101

- sign -0.670 ± 0.242 χ^2/NDF : 959.7/51

diff_bpm0i07Y_rms vs Slug



Right In: 1229.344+/-0.280 χ^2/NDF : 5097589.2/24

Left Out: 1441.951+/-0.239 χ^2/NDF : 370617.4/24

Right Out: 1093.872+/-0.233 χ^2/NDF : 4467154.6/28

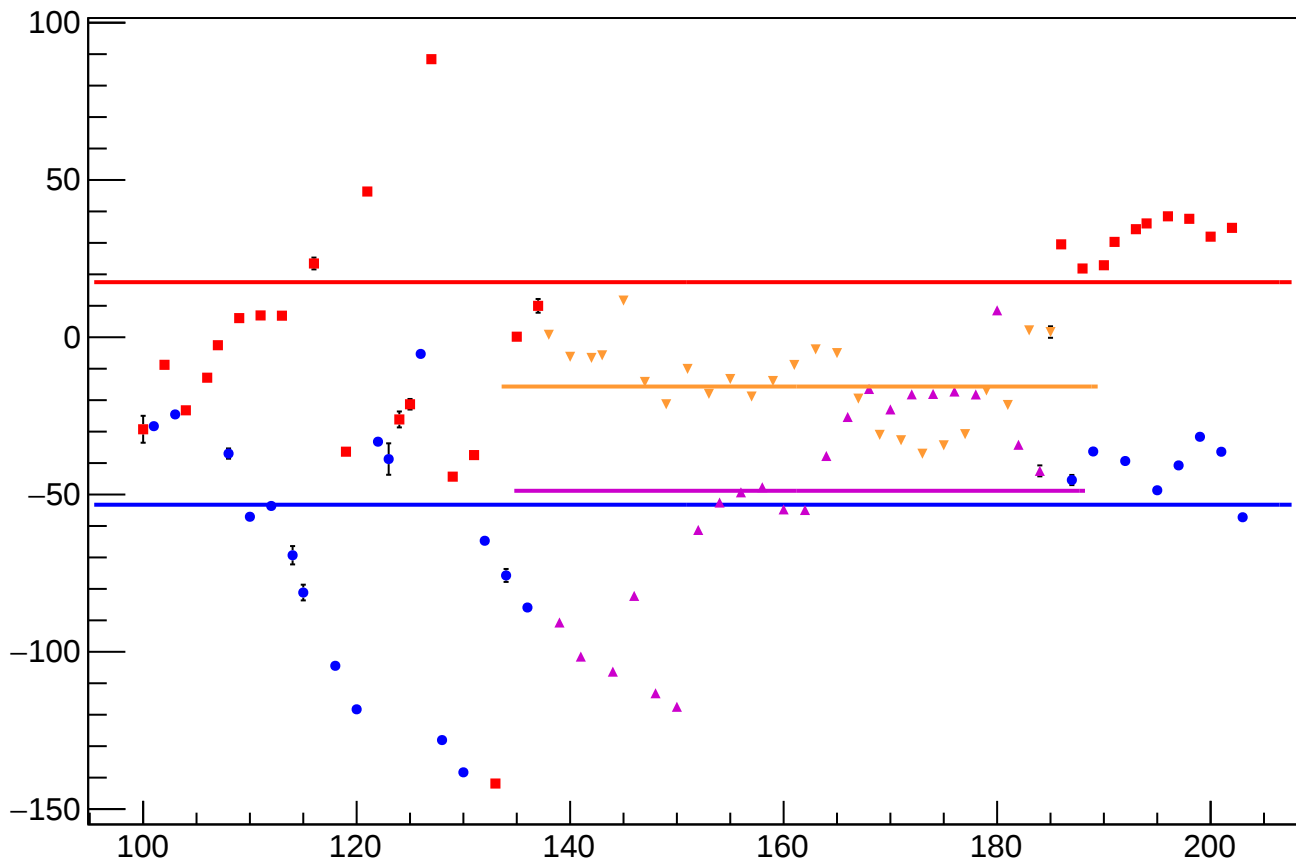
Left In: 1481.695+/-0.253 χ^2/NDF : 208470.6/22

+ sign 1352.243+/-0.182 χ^2/NDF : 5801613.9/49

All: 1309.463+/-0.125 χ^2/NDF : 11855972.6/100

- sign 1271.556+/-0.171 χ^2/NDF : 5949969.6/51

diff_bpm1i02X_mean vs Slug



Right In: -53.241 ± 0.219 χ^2/NDF : 17013.3/24

Left Out: -15.666 ± 0.212 χ^2/NDF : 3518.1/24

Right Out: 17.510 ± 0.207 χ^2/NDF : 28292.1/28

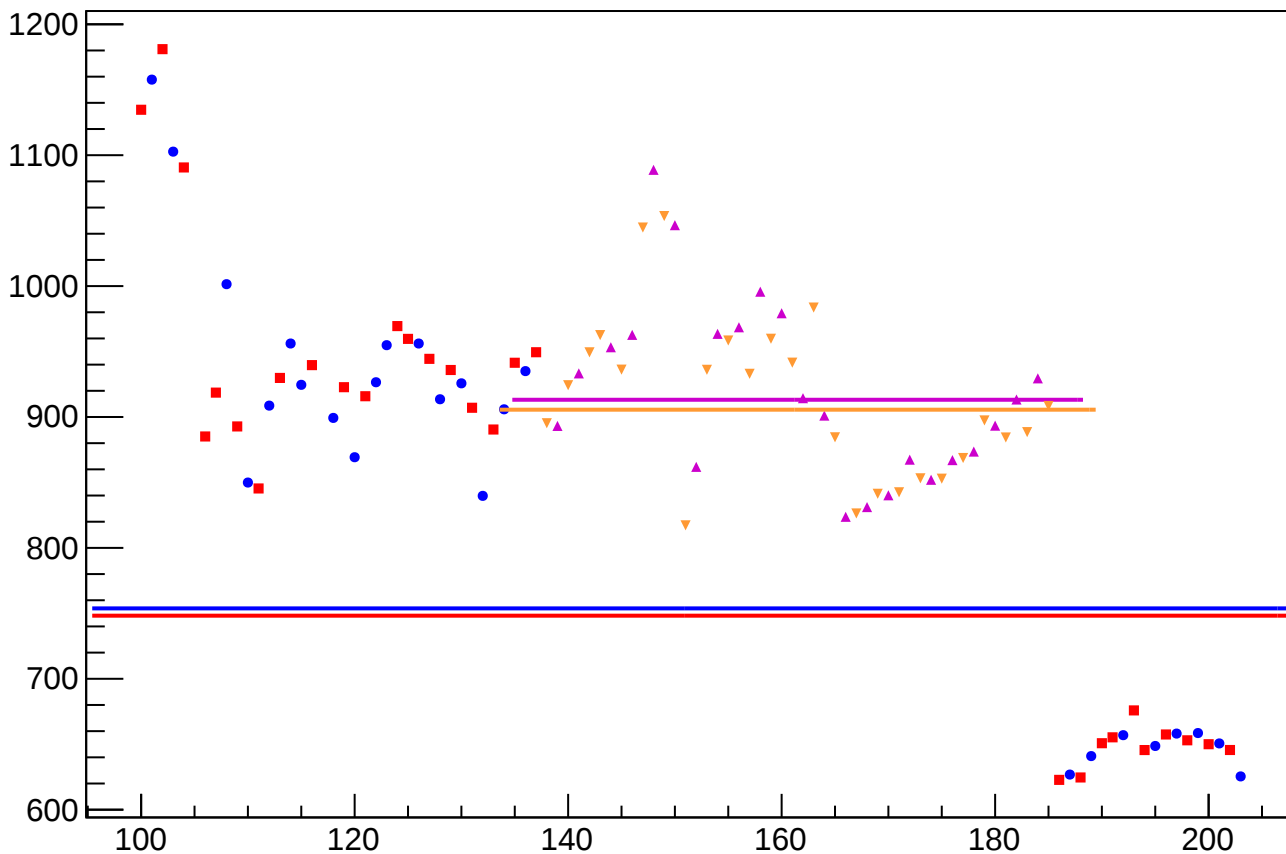
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -33.763 ± 0.152 χ^2/NDF : 35730.4/49

All: -23.630 ± 0.107 χ^2/NDF : 146231.6/101

- sign -13.693 ± 0.151 χ^2/NDF : 101732.8/51

diff_bpm1i02X_rms vs Slug



Right In: 753.784 $\pm$ 0.155 χ^2 /NDF: 909473.9/24

Left Out: 905.578 $\pm$ 0.150 χ^2 /NDF: 162073.5/24

Right Out: 748.217 $\pm$ 0.147 χ^2 /NDF: 991662.7/28

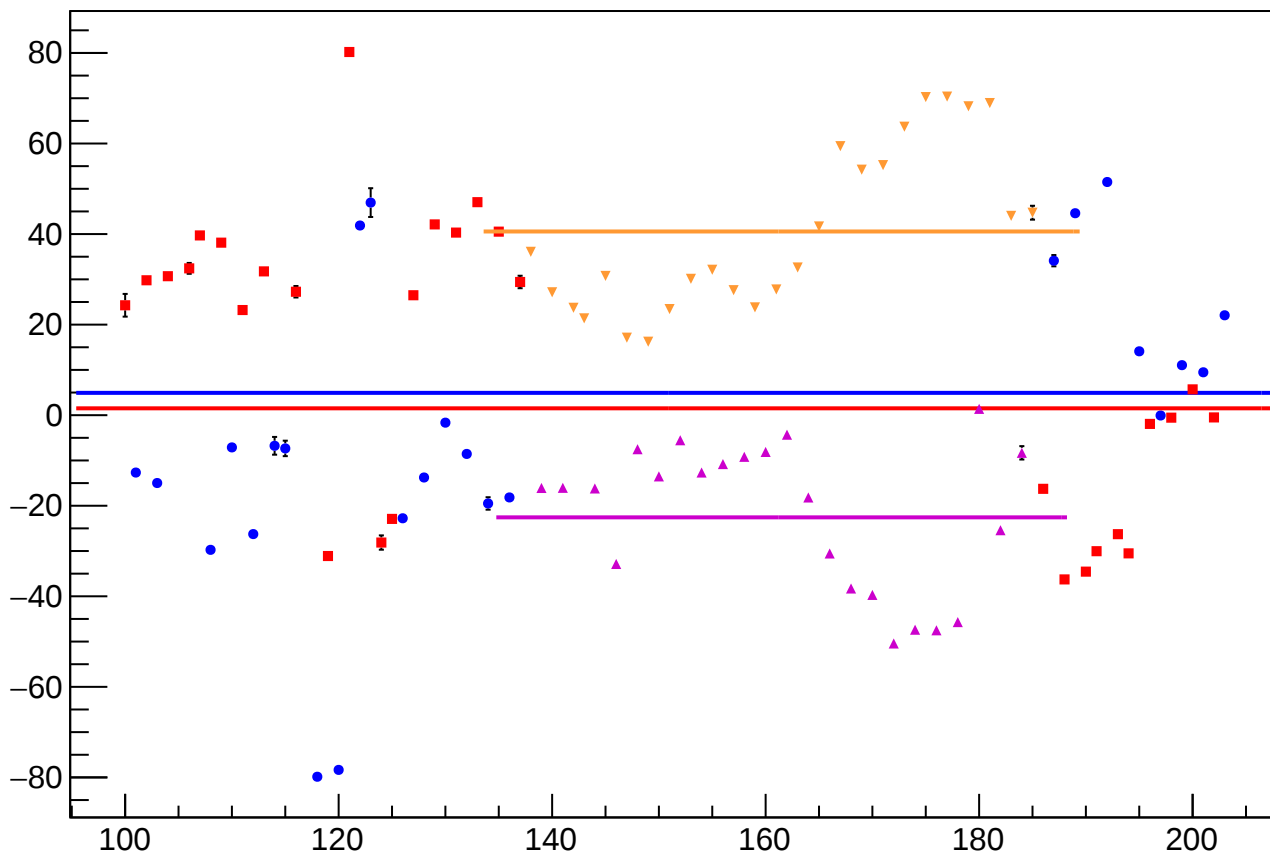
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF: 174438.8/22

+ sign 832.472 $\pm$ 0.108 χ^2 /NDF: 1567635.6/49

All: 829.115 $\pm$ 0.076 χ^2 /NDF: 3331681.8/102

- sign 825.821 $\pm$ 0.107 χ^2 /NDF: 1762120.3/51

diff_bpm1i02Y_mean vs Slug



Right In: 4.932 $\pm$ 0.158 χ^2 /NDF: 36586.0/24

Left Out: 40.573 $\pm$ 0.168 χ^2 /NDF:12079.0/24

Right Out: 1.515 $\pm$ 0.149 χ^2 /NDF: 40994.5/28

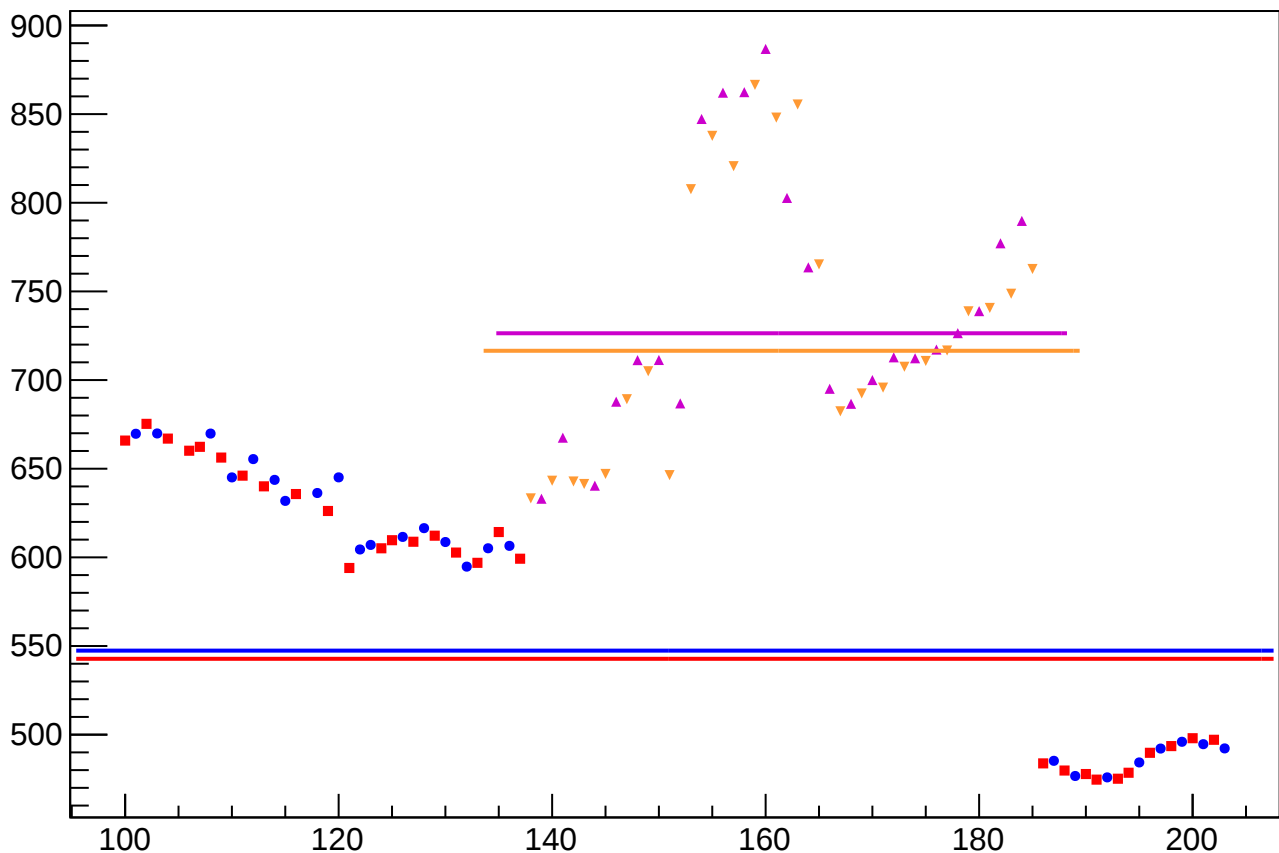
Left In: -22.565 $\pm$ 0.175 χ^2 /NDF:8167.7/22

+ sign 21.644 $\pm$ 0.115 χ^2 /NDF: 72614.3/49

All: 6.340 $\pm$ 0.081 χ^2 /NDF: 167752.9/101

- sign -8.574 $\pm$ 0.113 χ^2 /NDF: 60127.5/51

diff_bpm1i02Y_rms vs Slug



Right In: 547.399 $\pm$ 0.112 χ^2 /NDF: 423311.2/24

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF:342740.2/24

Right Out: 542.781 $\pm$ 0.105 χ^2 /NDF: 477727.5/28

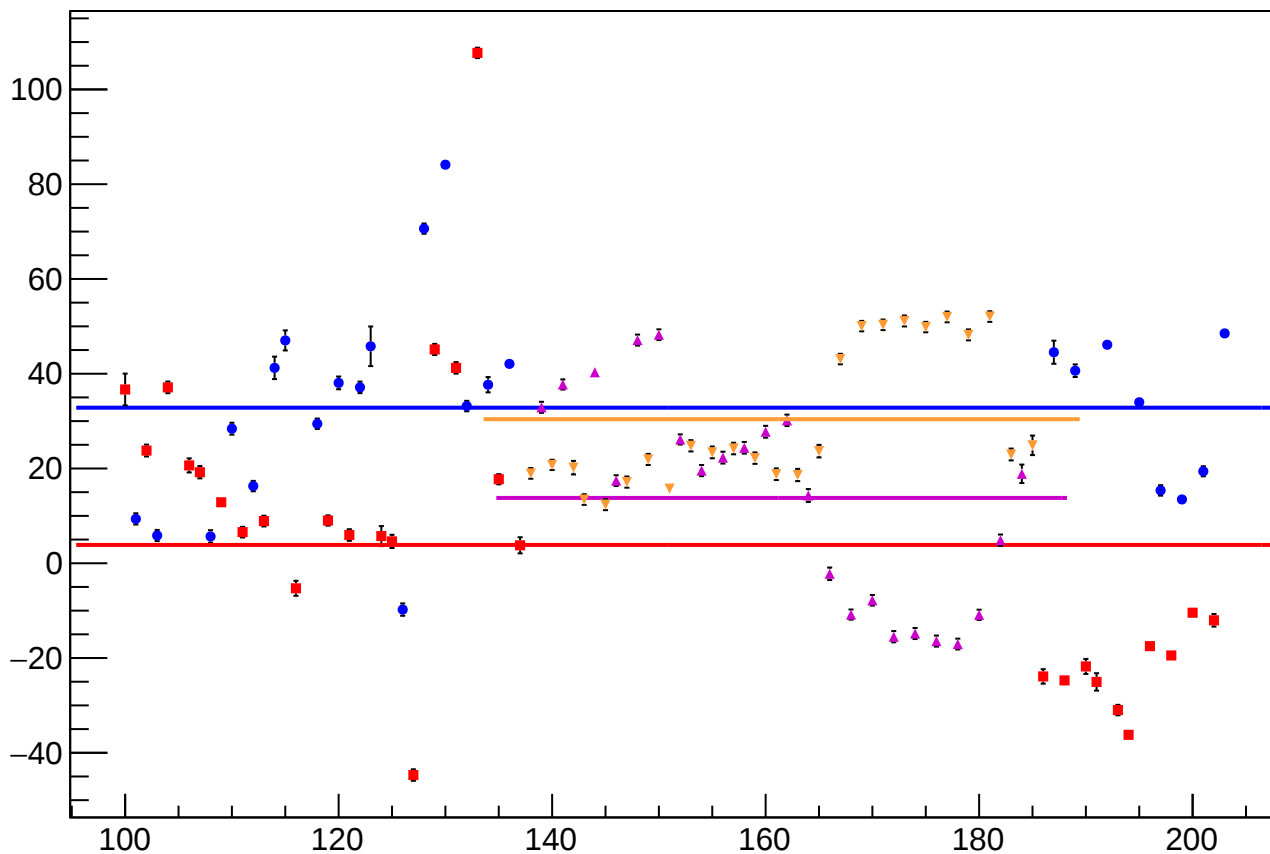
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF:289788.8/22

+ sign 626.697 $\pm$ 0.081 χ^2 /NDF: 1844489.6/49

All: 623.158 $\pm$ 0.057 χ^2 /NDF: 3890805.7/10

- sign 619.710 $\pm$ 0.080 χ^2 /NDF: 2042573.5/51

diff_bpm1i04X_mean vs Slug



Right In: 32.834 $\pm$ 0.240 χ^2 /NDF: 7670.5/24

Left Out: 30.408 $\pm$ 0.237 χ^2 /NDF: 3808.0/24

Right Out: 3.868 $\pm$ 0.230 χ^2 /NDF: 19942.6/28

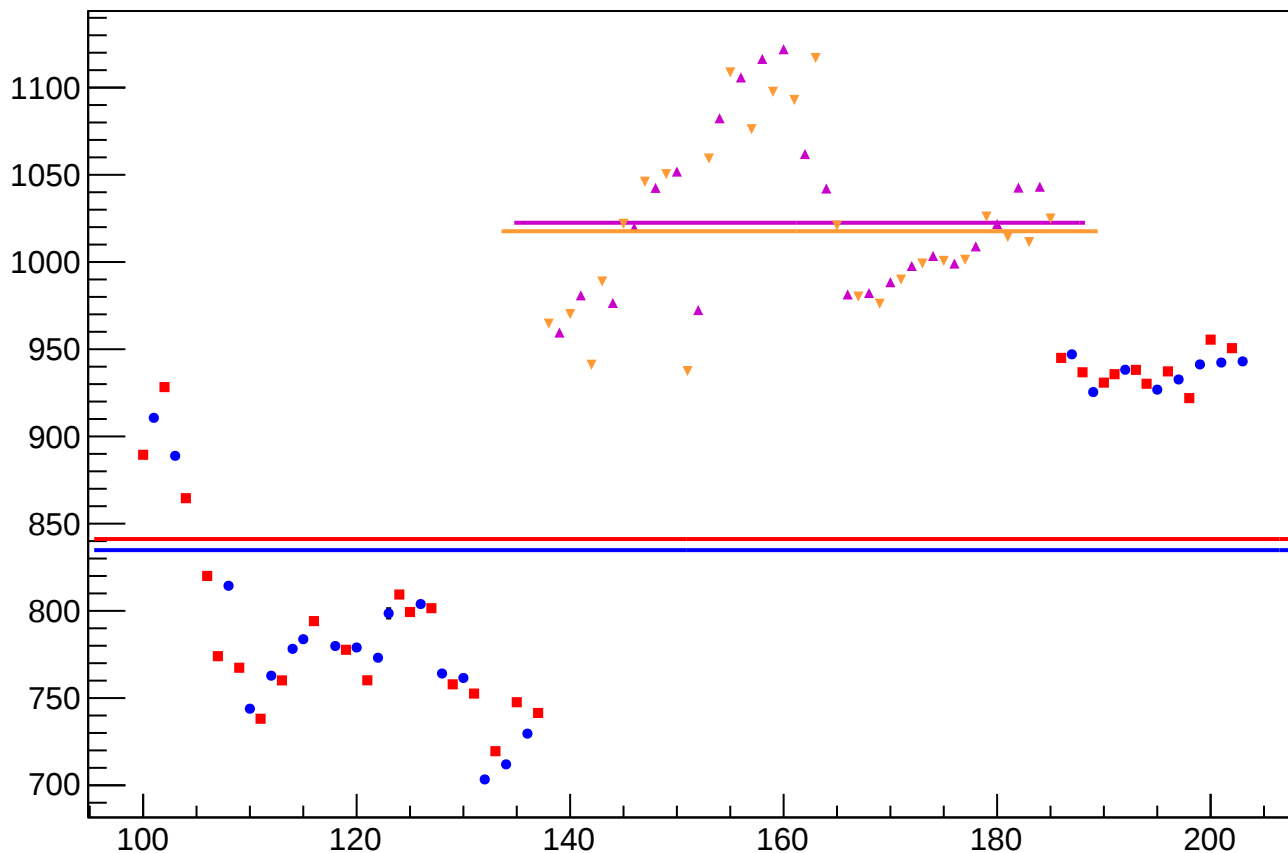
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF: 7979.7/22

+ sign 31.609 $\pm$ 0.169 χ^2 /NDF: 11530.2/49

All: 19.996 $\pm$ 0.119 χ^2 /NDF: 49751.1/101

- sign 8.495 $\pm$ 0.168 χ^2 /NDF: 28790.8/51

diff_bpm1i04X_rms vs Slug



Right In: 834.817 ± 0.170 $\chi^2/\text{NDF}: 273075.6/24$

Left Out: 1017.653 ± 0.168 $\chi^2/\text{NDF}: 83612.5/24$

Right Out: 841.180 ± 0.163 $\chi^2/\text{NDF}: 279158.0/28$

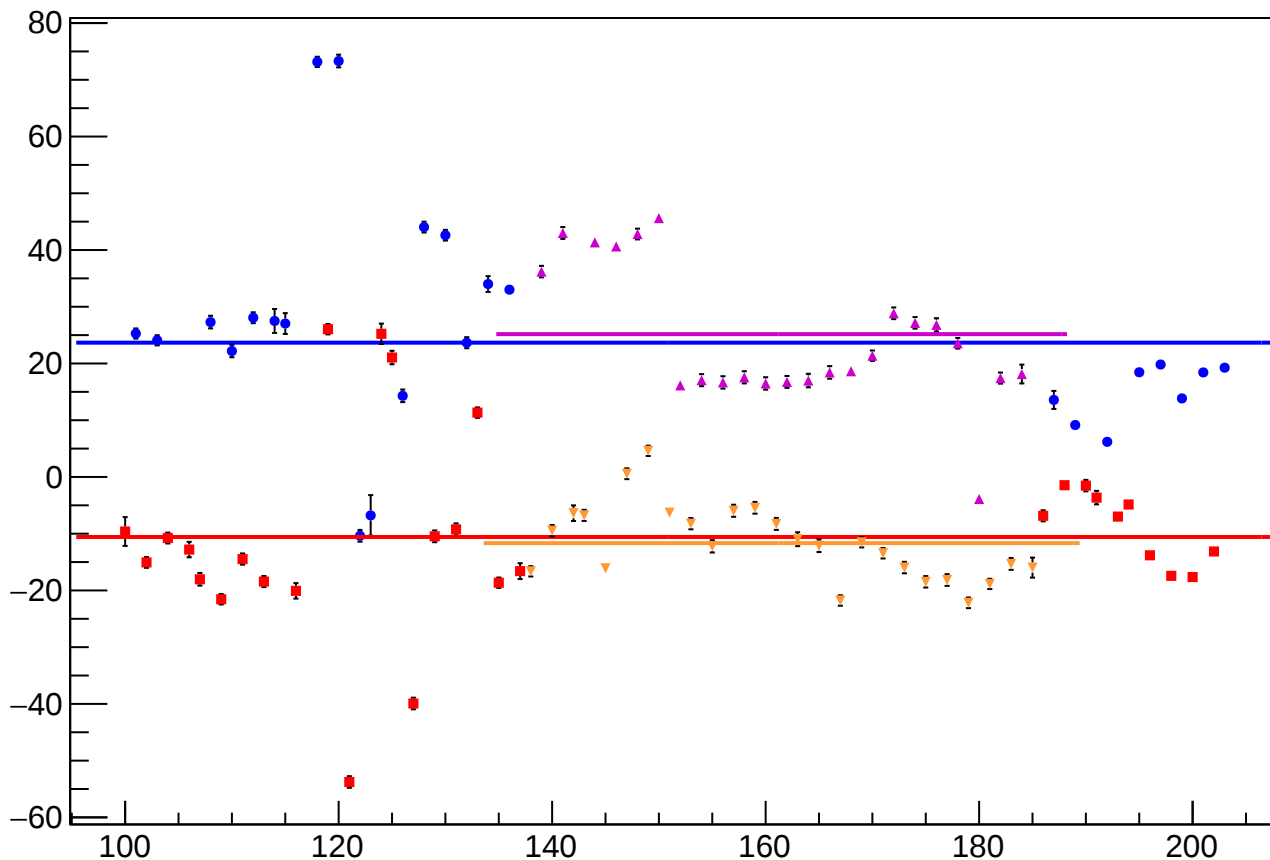
Left In: 1022.511 ± 0.174 $\chi^2/\text{NDF}: 69635.5/22$

+ sign 927.159 ± 0.119 $\chi^2/\text{NDF}: 943845.9/49$

All: 926.458 ± 0.084 $\chi^2/\text{NDF}: 1873306.5/103$

- sign 925.764 ± 0.119 $\chi^2/\text{NDF}: 929392.0/51$

diff_bpm1i04Y_mean vs Slug



Right In: 23.672 ± 0.177 $\chi^2/\text{NDF}: 8892.9/24$

Left Out: -11.664 ± 0.200 $\chi^2/\text{NDF}: 1147.4/24$

Right Out: -10.578 ± 0.172 $\chi^2/\text{NDF}: 7014.9/28$

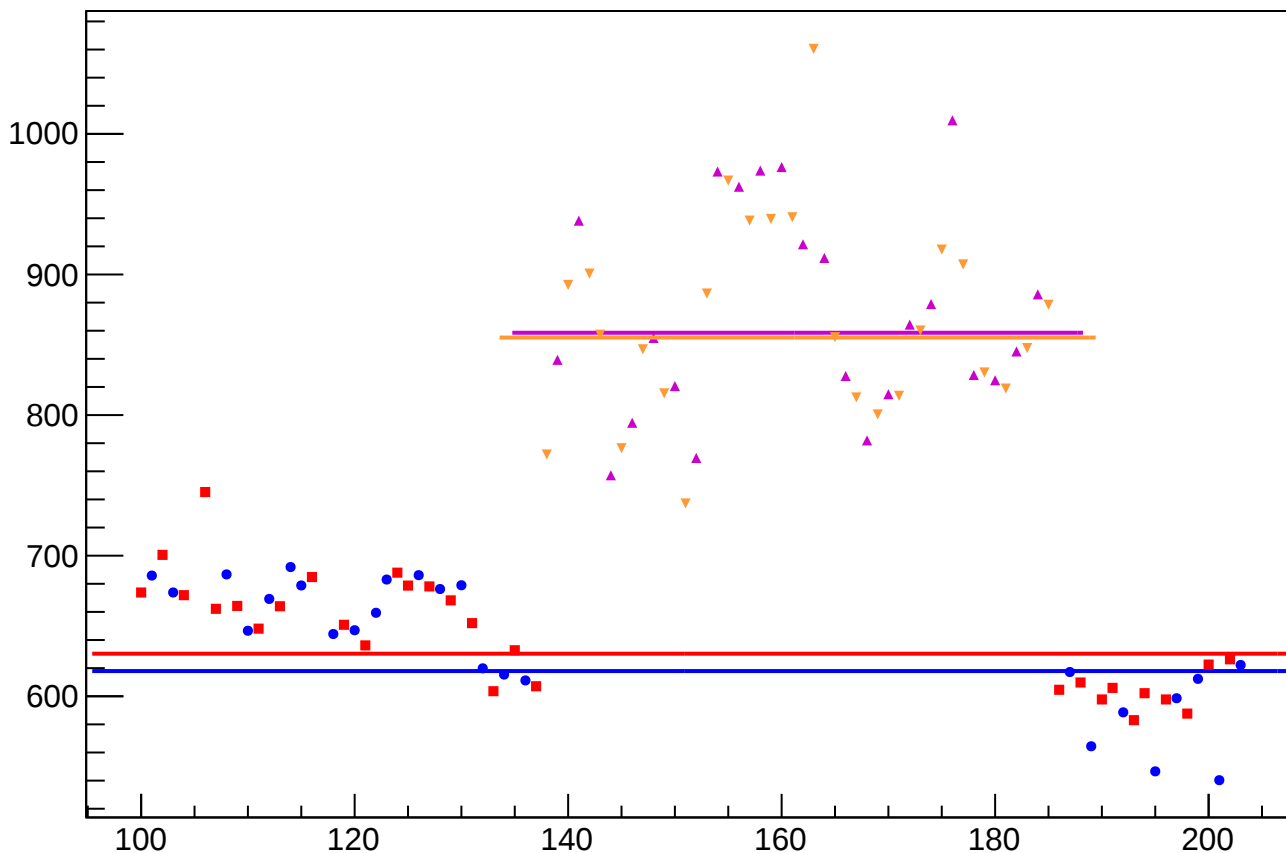
Left In: 25.174 ± 0.207 $\chi^2/\text{NDF}: 3747.1/22$

+ sign 8.133 ± 0.133 $\chi^2/\text{NDF}: 27479.9/49$

All: 6.043 ± 0.094 $\chi^2/\text{NDF}: 56363.3/101$

- sign 3.970 ± 0.132 $\chi^2/\text{NDF}: 28390.0/51$

diff_bpm1i04Y_rms vs Slug



Right In: 617.925 $\pm$ 0.125 χ^2 /NDF: 142934.2/24

Left Out: 855.131 $\pm$ 0.142 χ^2 /NDF: 233746.7/24

Right Out: 630.282 $\pm$ 0.121 χ^2 /NDF: 89675.0/28

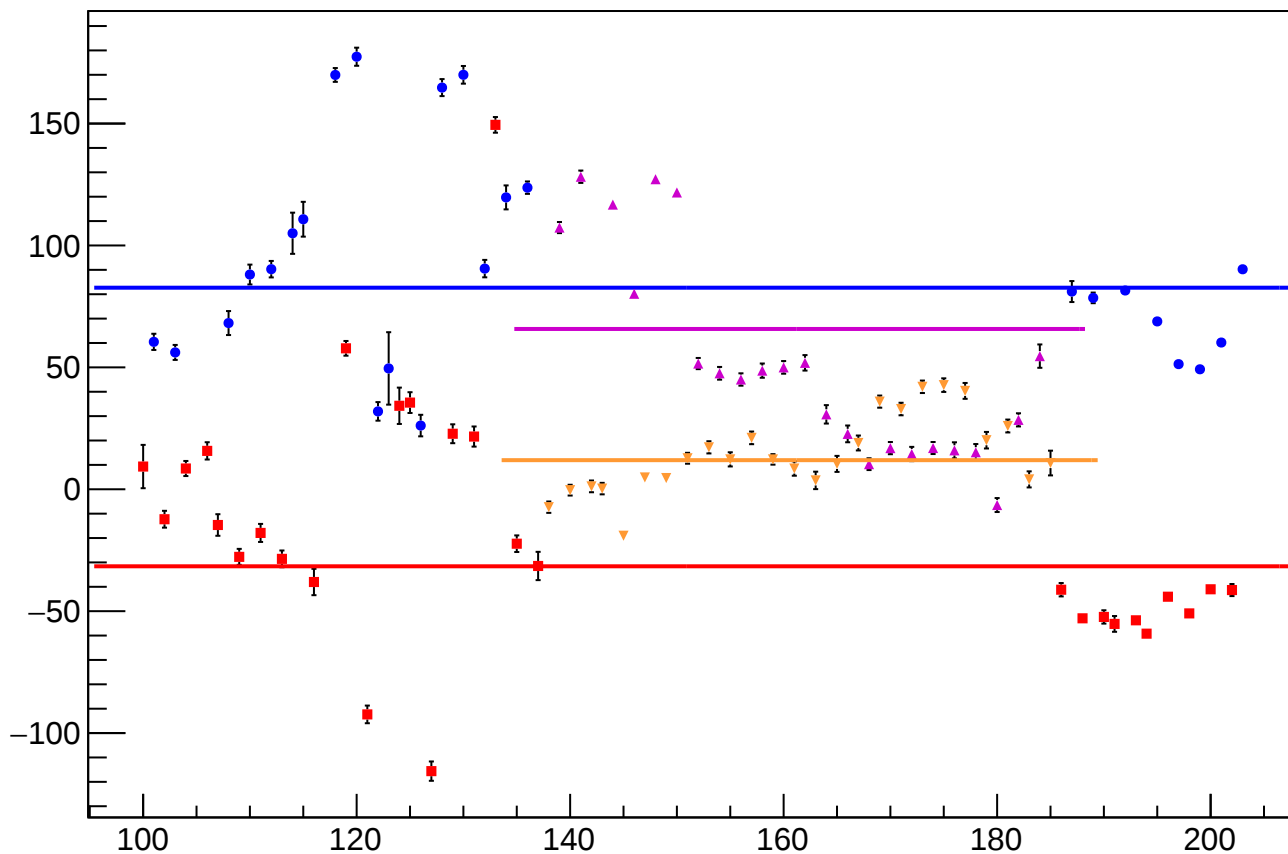
Left In: 858.563 $\pm$ 0.147 χ^2 /NDF: 239019.8/22

+ sign 722.235 $\pm$ 0.094 χ^2 /NDF: 1948414.6/49

All: 722.706 $\pm$ 0.066 χ^2 /NDF: 3714568.5/103

- sign 723.172 $\pm$ 0.094 χ^2 /NDF: 1766103.9/51

diff_bpm1i06X_mean vs Slug



Right In: 82.678 ± 0.551 χ^2/NDF : 4386.2/24

Left Out: 11.938 ± 0.505 χ^2/NDF : 976.6/24

Right Out: -31.593 ± 0.528 χ^2/NDF : 6761.5/28

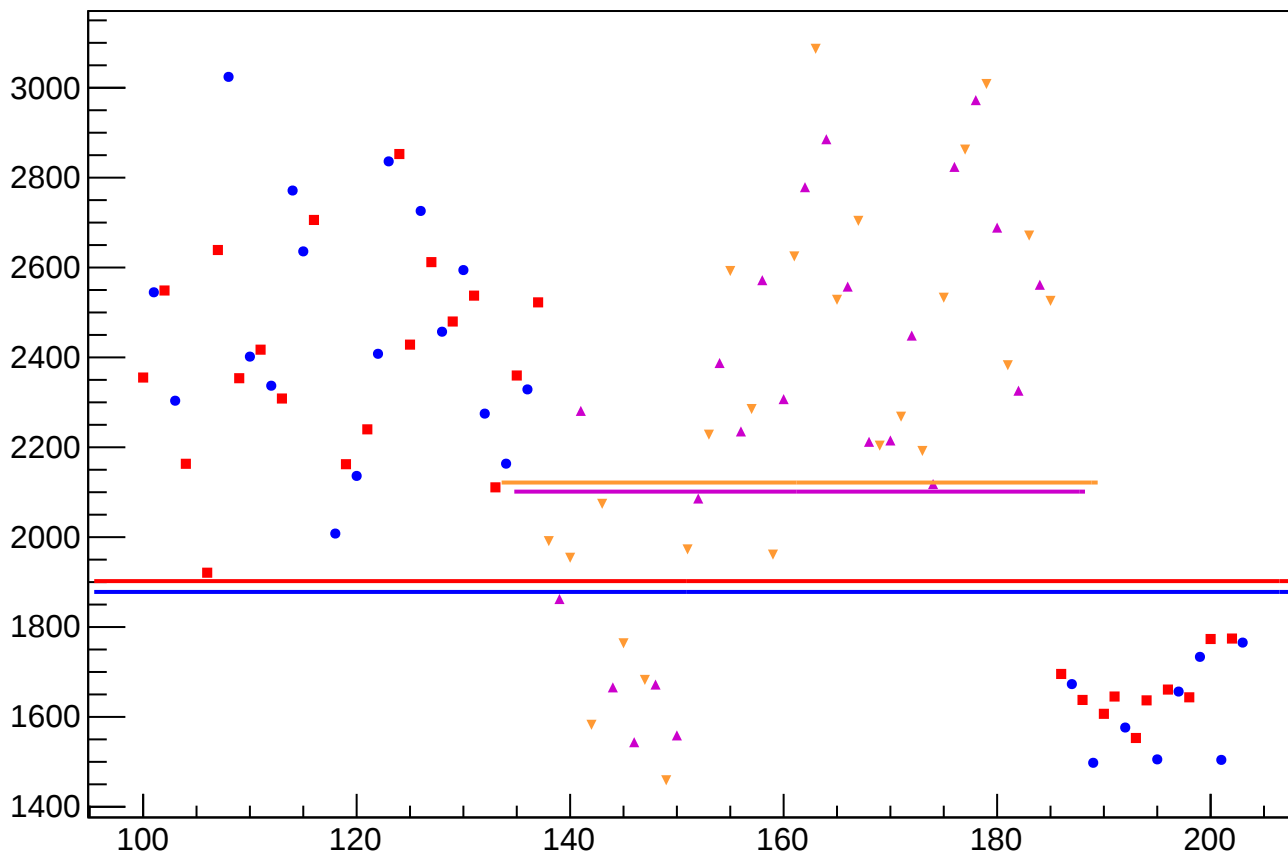
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 44.249 ± 0.372 χ^2/NDF : 14314.2/49

All: 31.017 ± 0.262 χ^2/NDF : 48263.0/101

- sign 17.995 ± 0.369 χ^2/NDF : 31444.4/51

diff_bpm1i06X_rms vs Slug



Right In: 1878.120+/-0.390 χ^2/NDF : 1071908.4/24

Left Out: 2121.567+/-0.357 χ^2/NDF :1387847.6/24

Right Out: 1902.194+/-0.373 χ^2/NDF : 910032.2/28

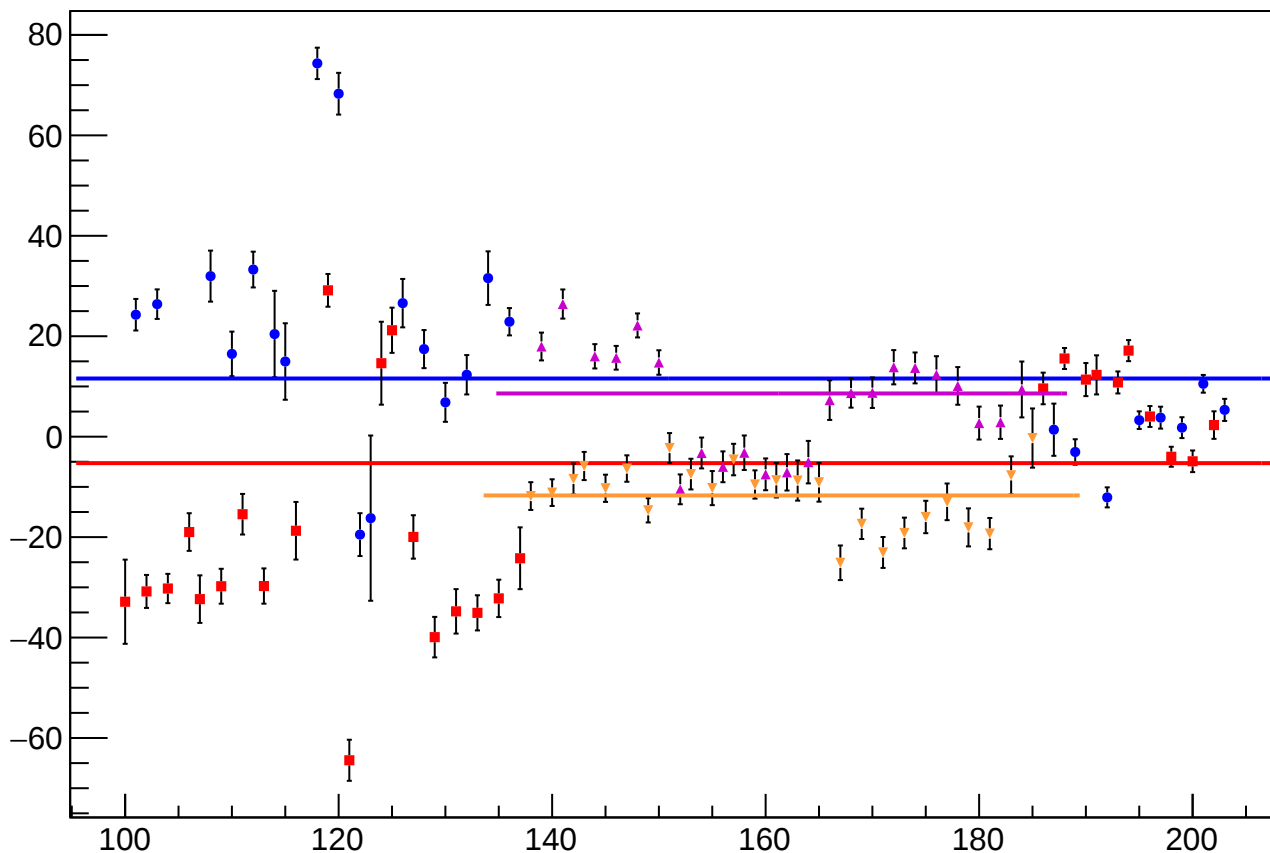
Left In: 2101.325+/-0.366 χ^2/NDF :1360518.3/22

+ sign 2010.371+/-0.263 χ^2/NDF : 2671784.8/49

All: 2006.975+/-0.185 χ^2/NDF : 5087844.8/10

- sign 2003.632+/-0.261 χ^2/NDF : 2415730.1/51

diff_bpm1i06Y_mean vs Slug



Right In: 11.583 ± 0.599 $\chi^2/\text{NDF}: 1031.1/24$

Left Out: -11.700 ± 0.625 $\chi^2/\text{NDF}: 85.0/24$

Right Out: -5.267 ± 0.586 $\chi^2/\text{NDF}: 1289.4/28$

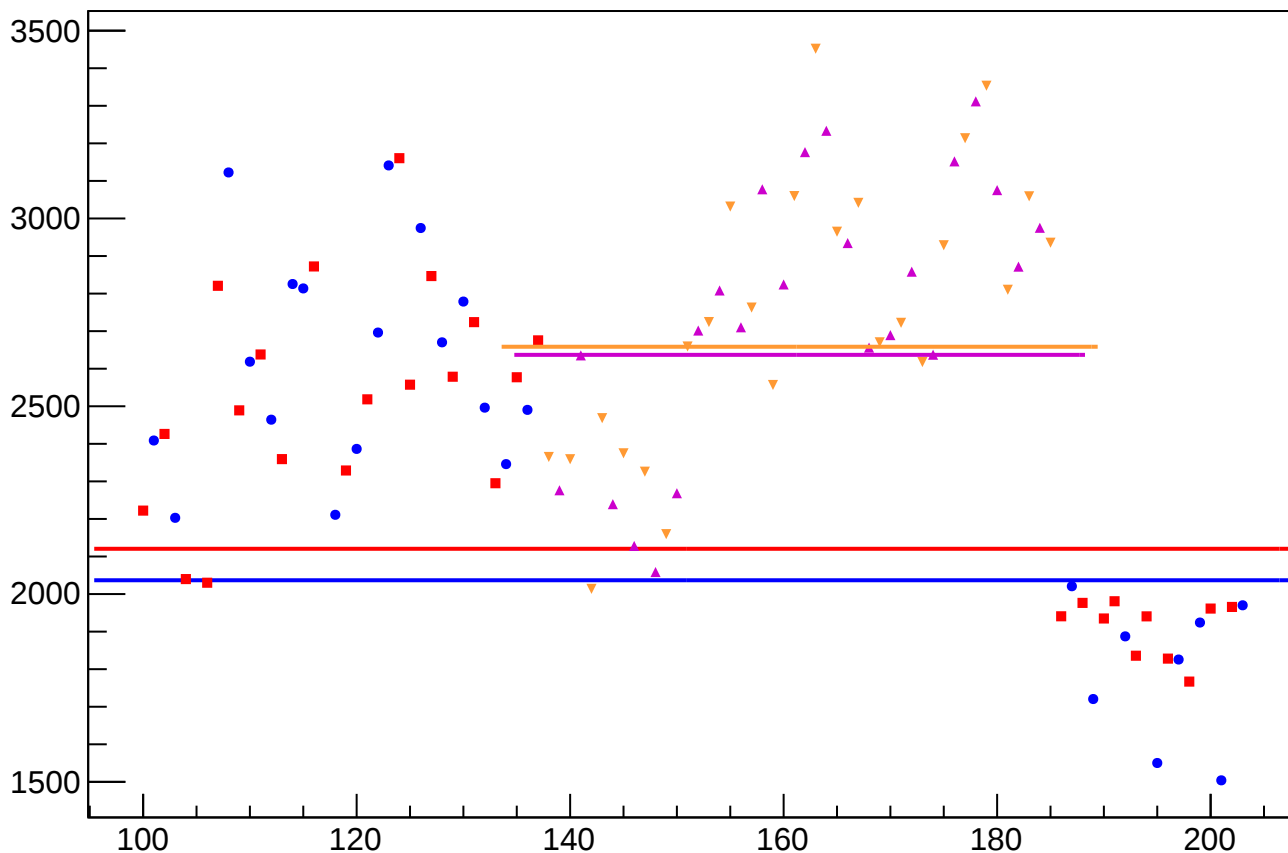
Left In: 8.606 ± 0.642 $\chi^2/\text{NDF}: 264.2/22$

+ sign 0.445 ± 0.433 $\chi^2/\text{NDF}: 1839.0/49$

All: 0.740 ± 0.306 $\chi^2/\text{NDF}: 3648.4/101$

- sign 1.035 ± 0.433 $\chi^2/\text{NDF}: 1808.5/51$

diff_bpm1i06Y_rms vs Slug



Right In: 2036.759 $\pm$ 0.424 χ^2 /NDF: 1002754.2/24

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2120.556 $\pm$ 0.414 χ^2 /NDF: 604944.6/28

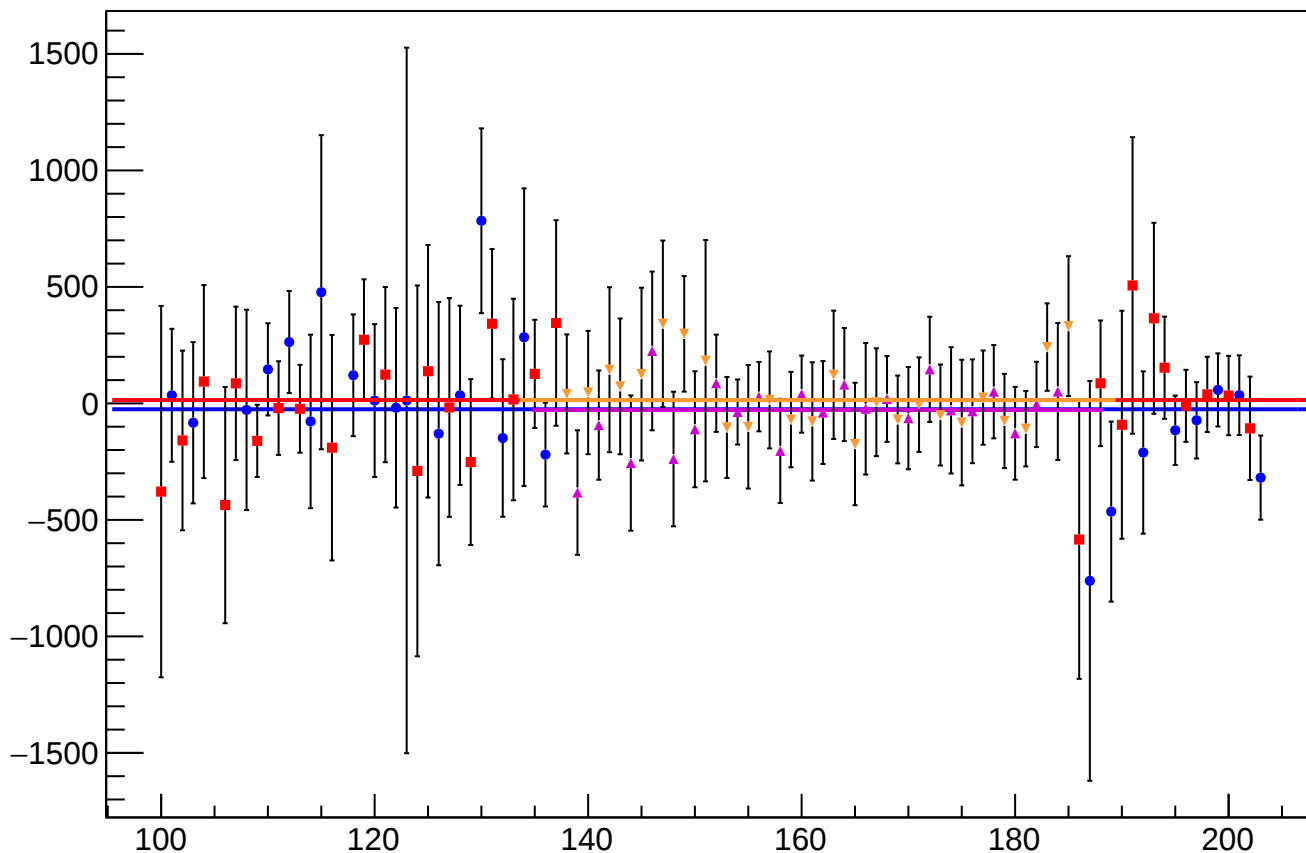
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2334.186 $\pm$ 0.306 χ^2 /NDF: 2651751.4/49

All: 2344.647 $\pm$ 0.216 χ^2 /NDF: 4618063.8/10

- sign 2355.111 $\pm$ 0.306 χ^2 /NDF: 1963972.9/51

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -25.127 ± 52.462 χ^2/NDF : 14.6/24

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 14.340 ± 50.698 χ^2/NDF : 9.7/28

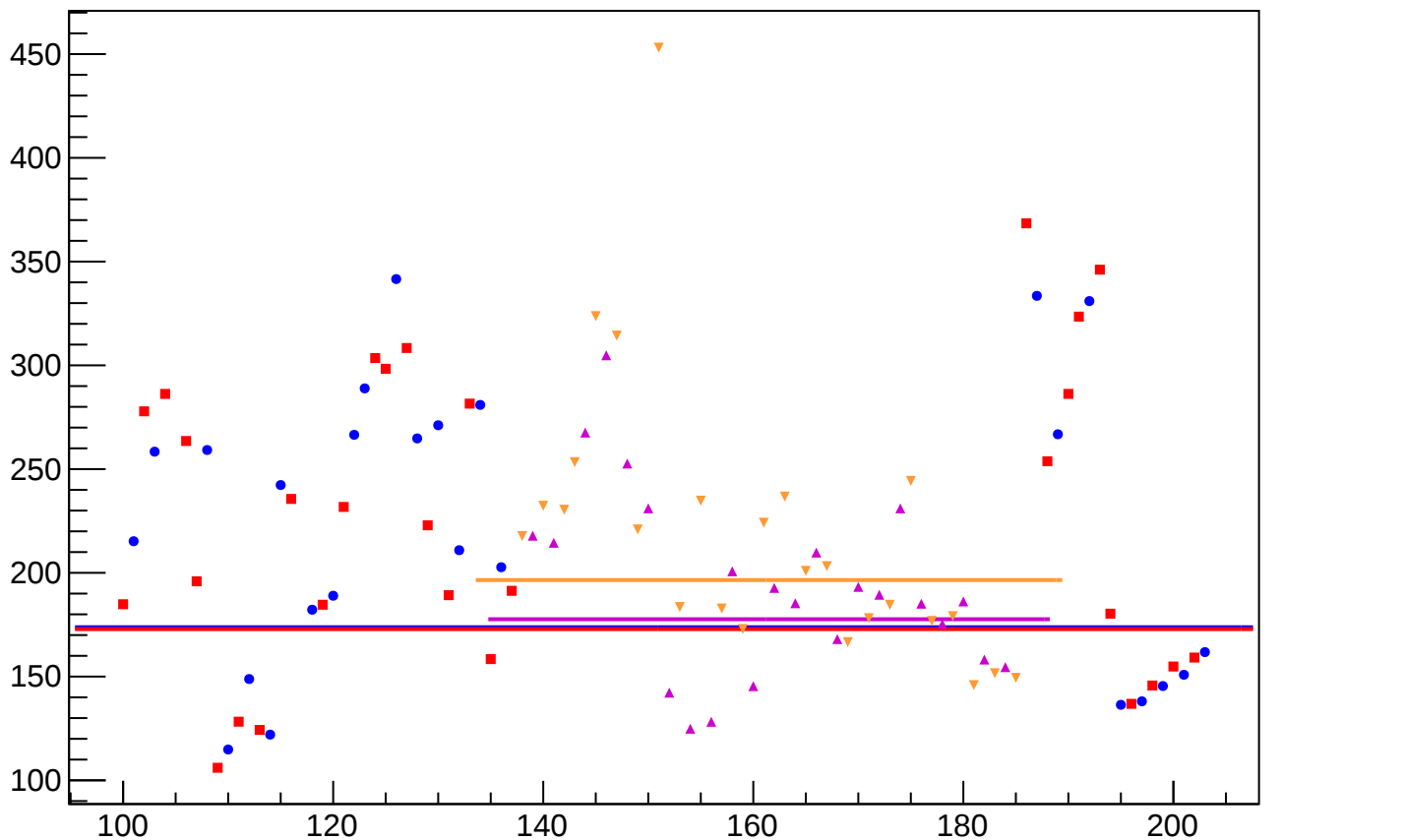
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign -3.352 ± 35.223 χ^2/NDF : 22.7/49

All: -6.677 ± 24.275 χ^2/NDF : 39.1/101

- sign -9.685 ± 33.503 χ^2/NDF : 16.4/51

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.780 $\pm$ 0.037 χ^2 /NDF: 2061543.8/24

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF:1789504.4/24

Right Out: 172.900 $\pm$ 0.036 χ^2 /NDF: 2739775.8/28

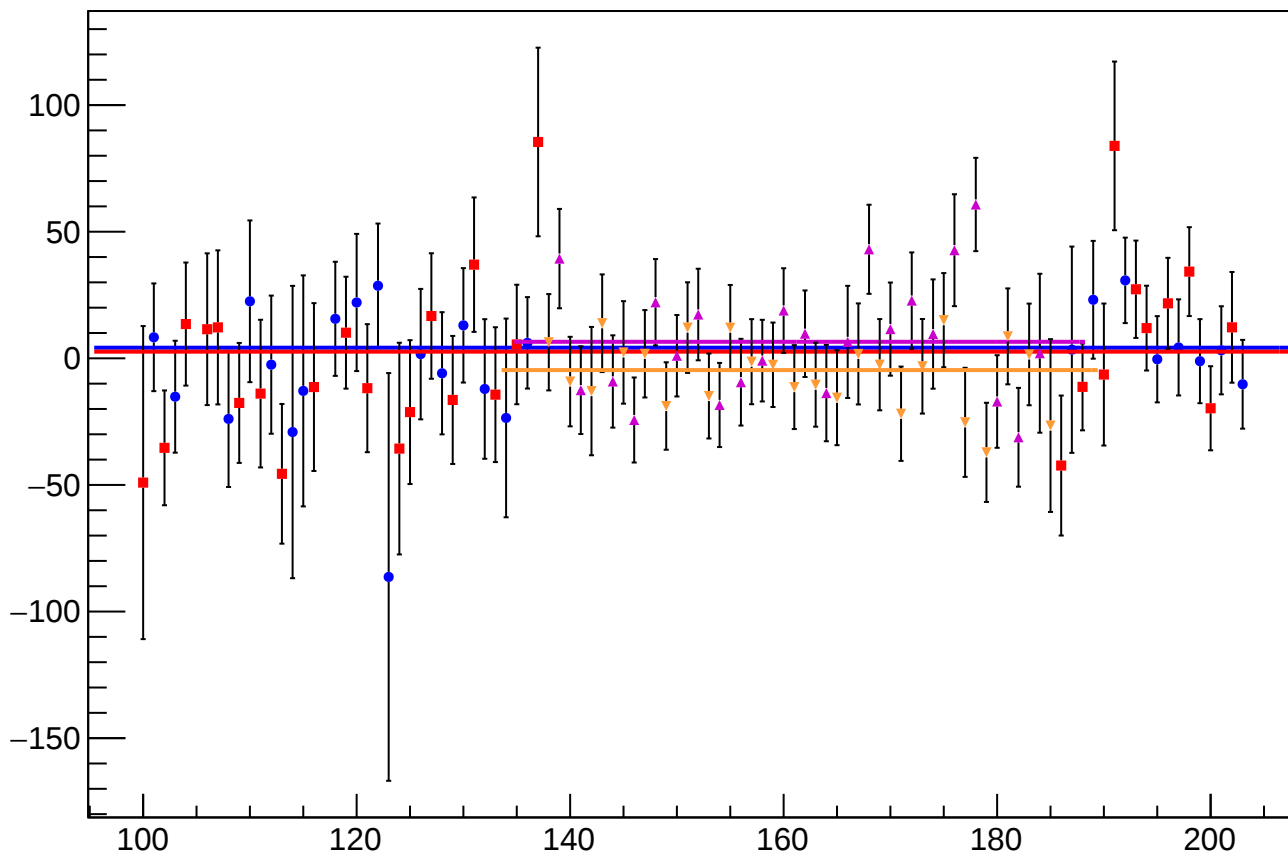
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF:1630664.5/22

+ sign 186.266 $\pm$ 0.025 χ^2 /NDF: 4057317.9/49

All: 180.652 $\pm$ 0.017 χ^2 /NDF: 8534407.5/103

- sign 175.572 $\pm$ 0.024 χ^2 /NDF: 4380299.6/51

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.195 $\pm$ 4.638 χ^2 /NDF: 10.9/24

Left Out: -4.646 $\pm$ 3.728 χ^2 /NDF:12.1/24

Right Out: 2.626 $\pm$ 4.452 χ^2 /NDF: 35.8/28

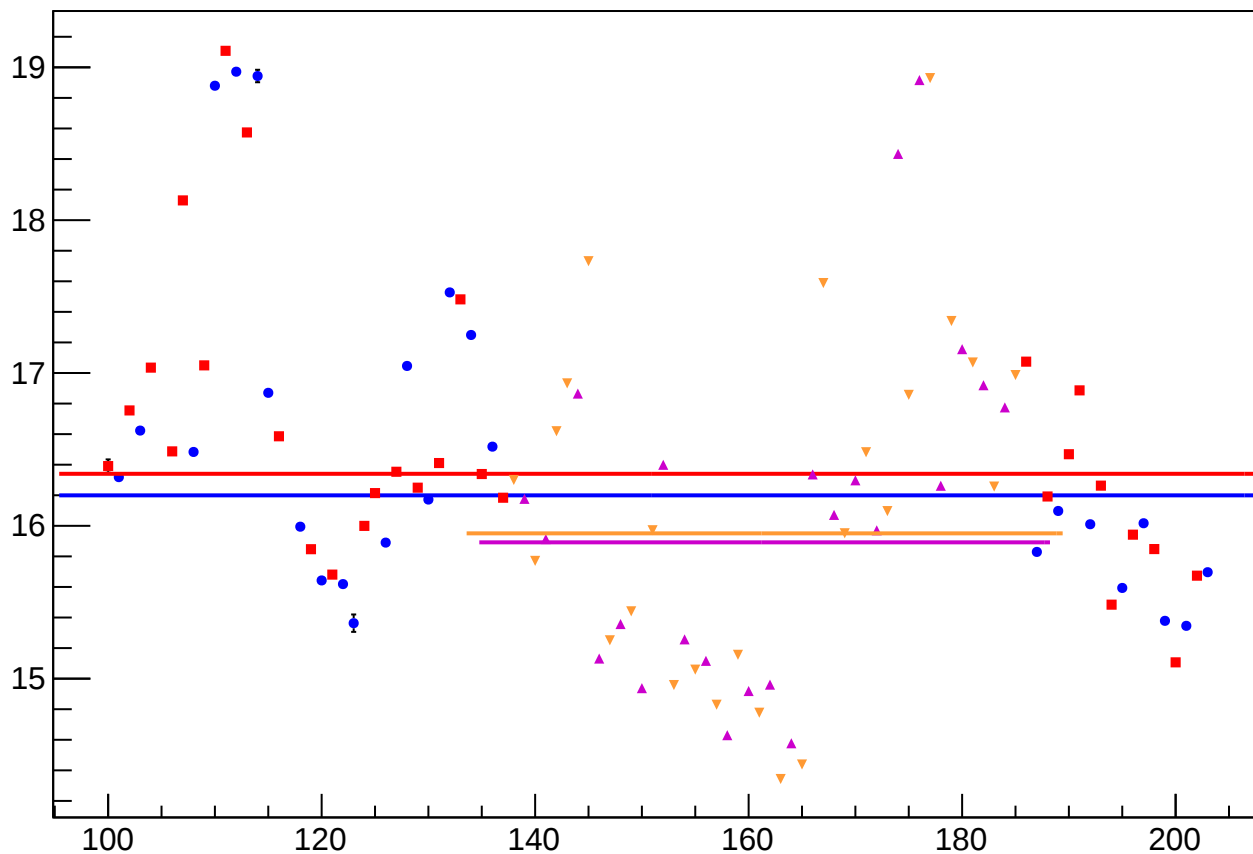
Left In: 6.526 $\pm$ 3.828 χ^2 /NDF:36.4/22

+ sign -1.176 $\pm$ 2.906 χ^2 /NDF: 25.2/49

All: 1.850 $\pm$ 2.053 χ^2 /NDF: 100.0/101

- sign 4.869 $\pm$ 2.902 χ^2 /NDF: 72.6/51

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.199 $\pm$ 0.003 χ^2 /NDF: 67042.5/24

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF: 173458.5/24

Right Out: 16.340 $\pm$ 0.003 χ^2 /NDF: 71452.7/28

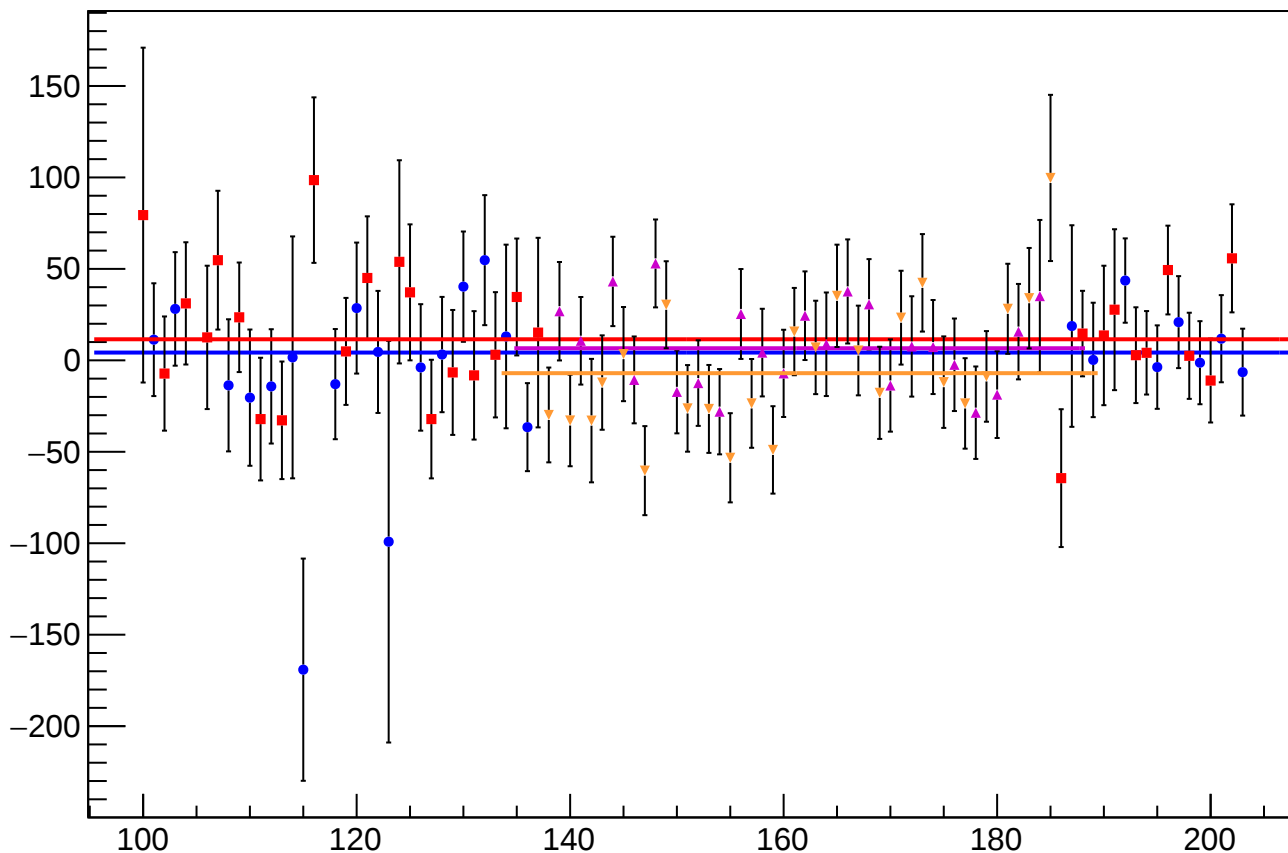
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.048 $\pm$ 0.002 χ^2 /NDF: 243994.3/49

All: 16.065 $\pm$ 0.001 χ^2 /NDF: 474351.5/101

- sign 16.083 $\pm$ 0.002 χ^2 /NDF: 230218.6/51

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.255 ± 6.198 χ^2/NDF : 21.8/24

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 11.516 ± 5.930 χ^2/NDF : 25.3/28

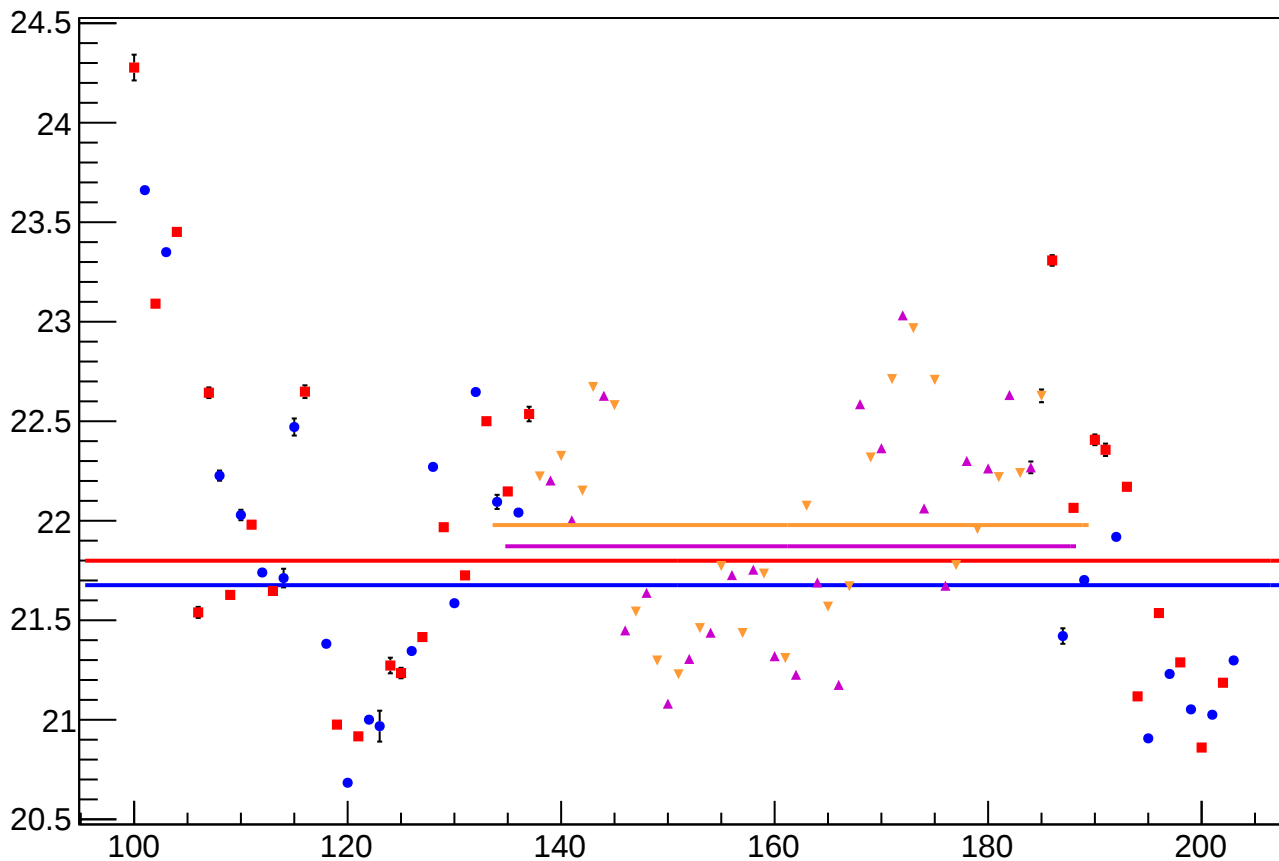
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -2.444 ± 3.948 χ^2/NDF : 61.2/49

All: 3.185 ± 2.786 χ^2/NDF : 110.1/101

- sign 8.767 ± 3.931 χ^2/NDF : 44.8/51

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.676 $\pm$ 0.004 χ^2 /NDF: 27411.5/24

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF:19430.2/24

Right Out: 21.799 $\pm$ 0.004 χ^2 /NDF: 29014.9/28

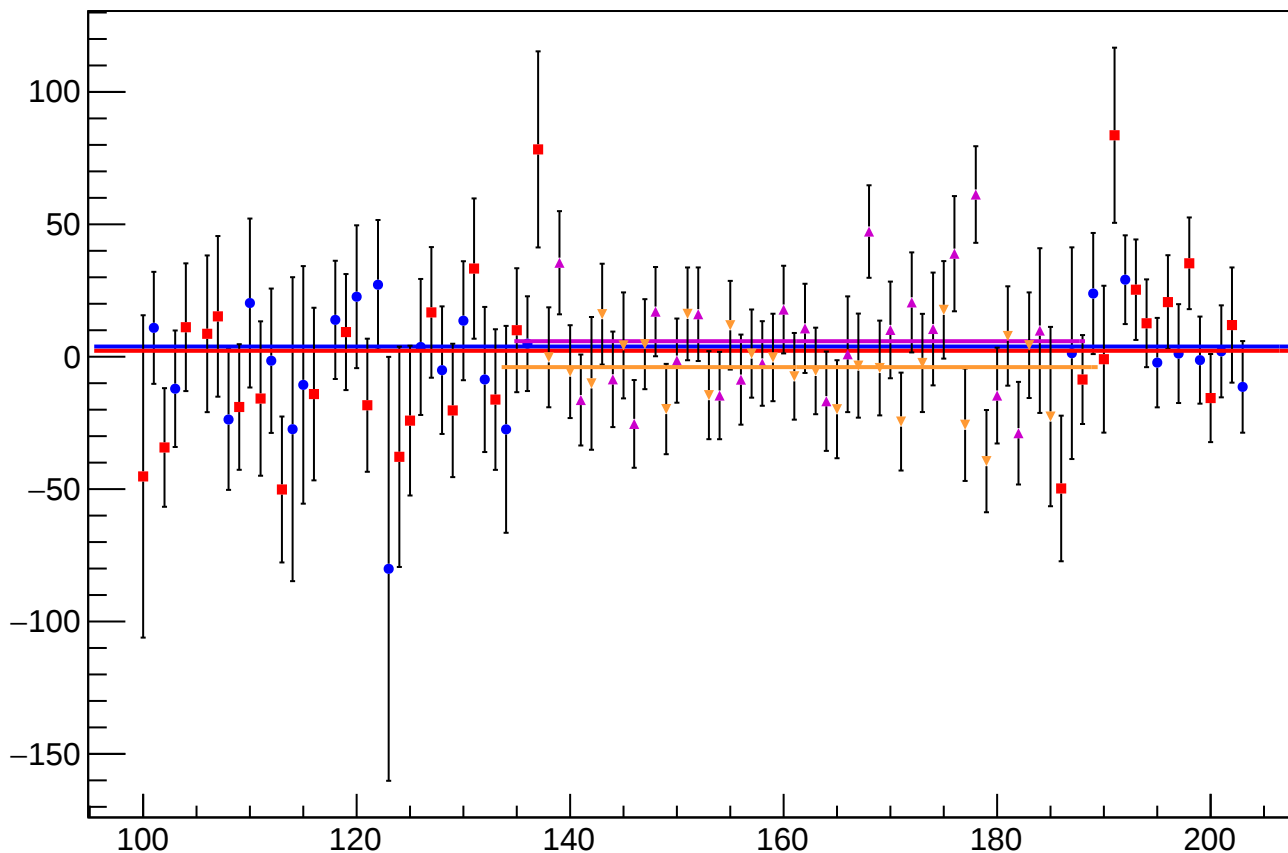
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.856 $\pm$ 0.003 χ^2 /NDF: 49663.5/49

All: 21.848 $\pm$ 0.002 χ^2 /NDF: 99387.7/101

- sign 21.840 $\pm$ 0.003 χ^2 /NDF: 49707.8/51

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.843 ± 4.603 $\chi^2/\text{NDF}: 10.4/24$

Left Out: -3.927 ± 3.688 $\chi^2/\text{NDF}: 14.0/24$

Right Out: 2.237 ± 4.416 $\chi^2/\text{NDF}: 36.6/28$

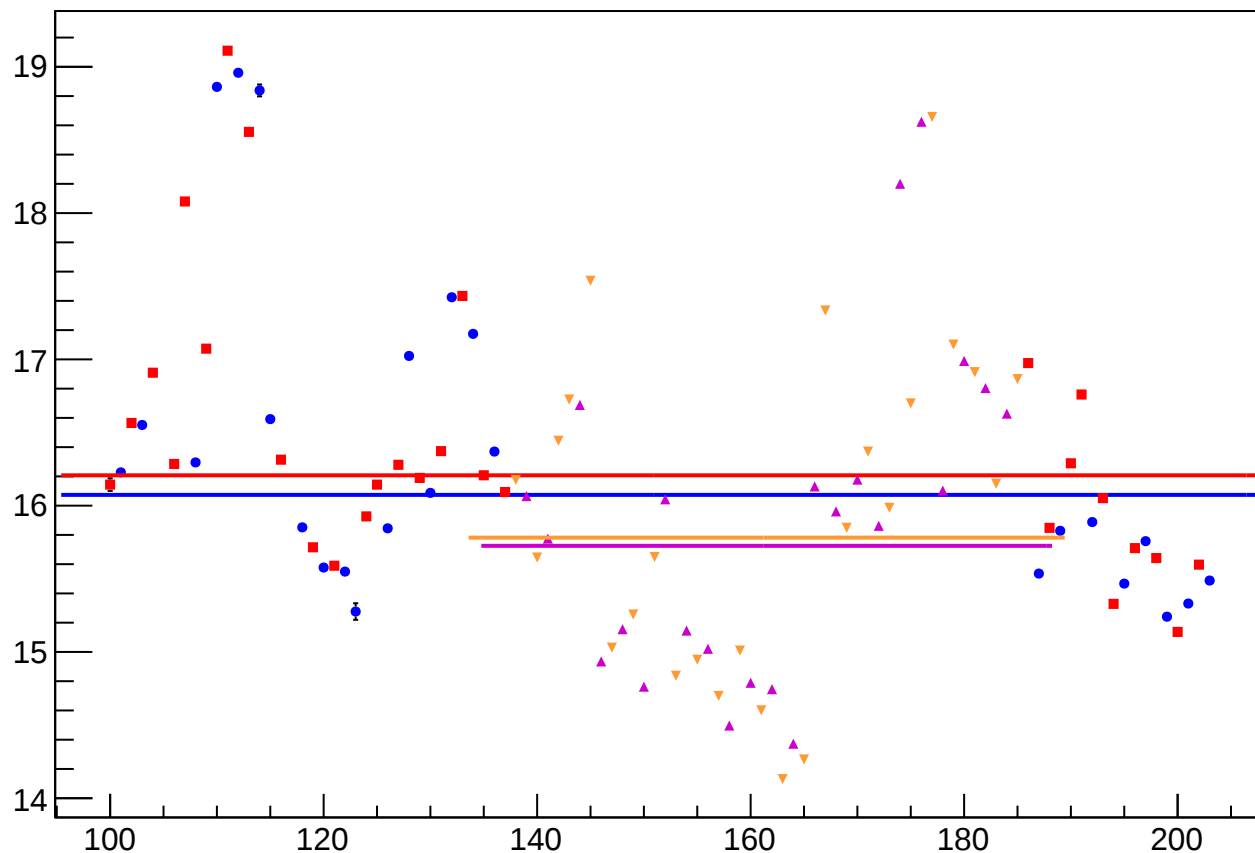
Left In: 5.861 ± 3.787 $\chi^2/\text{NDF}: 36.2/22$

+ sign -0.889 ± 2.878 $\chi^2/\text{NDF}: 26.1/49$

All: 1.721 ± 2.034 $\chi^2/\text{NDF}: 100.9/101$

- sign 4.325 ± 2.875 $\chi^2/\text{NDF}: 73.2/51$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.074 $\pm$ 0.003 χ^2 /NDF: 71115.6/24

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF: 172894.3/24

Right Out: 16.207 $\pm$ 0.003 χ^2 /NDF: 75932.4/28

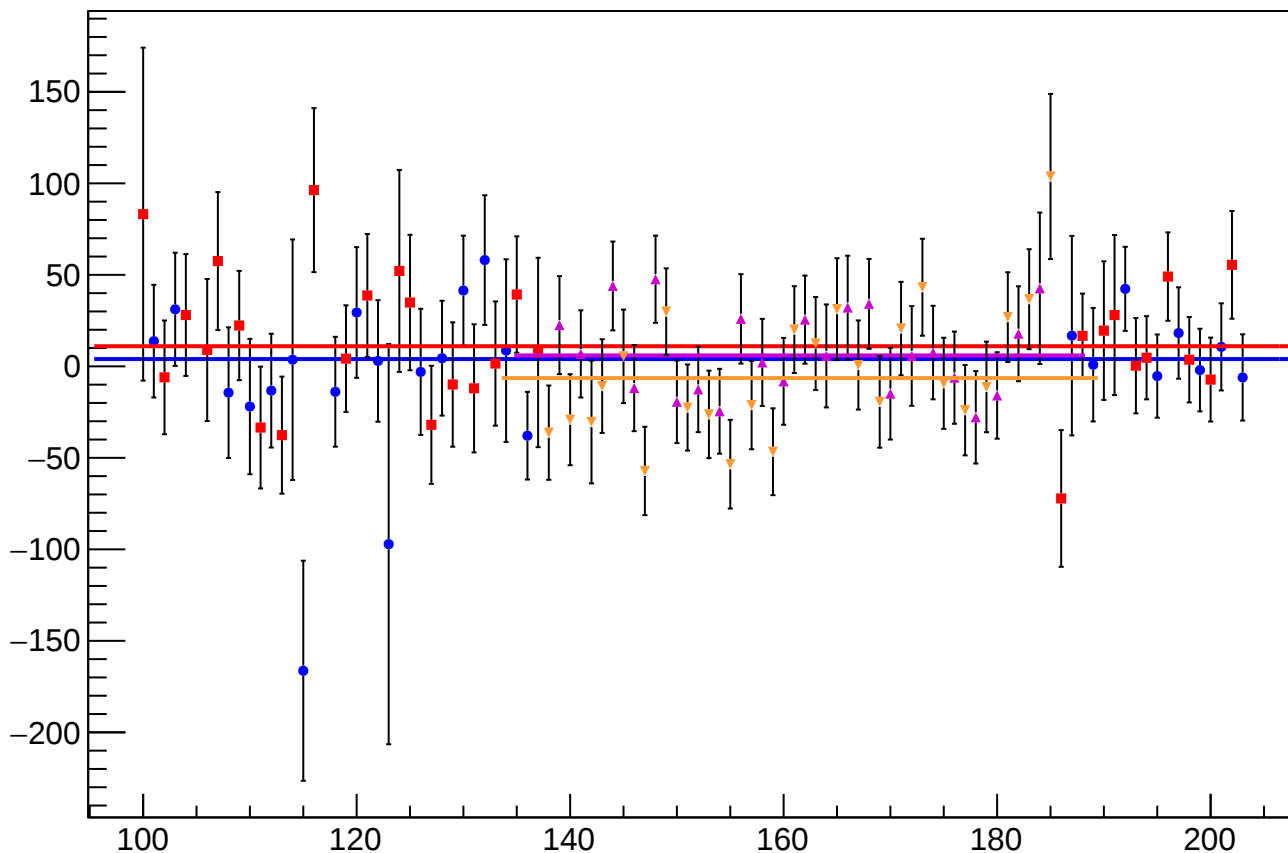
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

+ sign 15.896 $\pm$ 0.002 χ^2 /NDF: 248926.1/49

All: 15.913 $\pm$ 0.001 χ^2 /NDF: 484560.1/101

- sign 15.930 $\pm$ 0.002 χ^2 /NDF: 235494.0/51

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.979 ± 6.168 χ^2/NDF : 22.4/24

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 10.989 ± 5.897 χ^2/NDF : 26.7/28

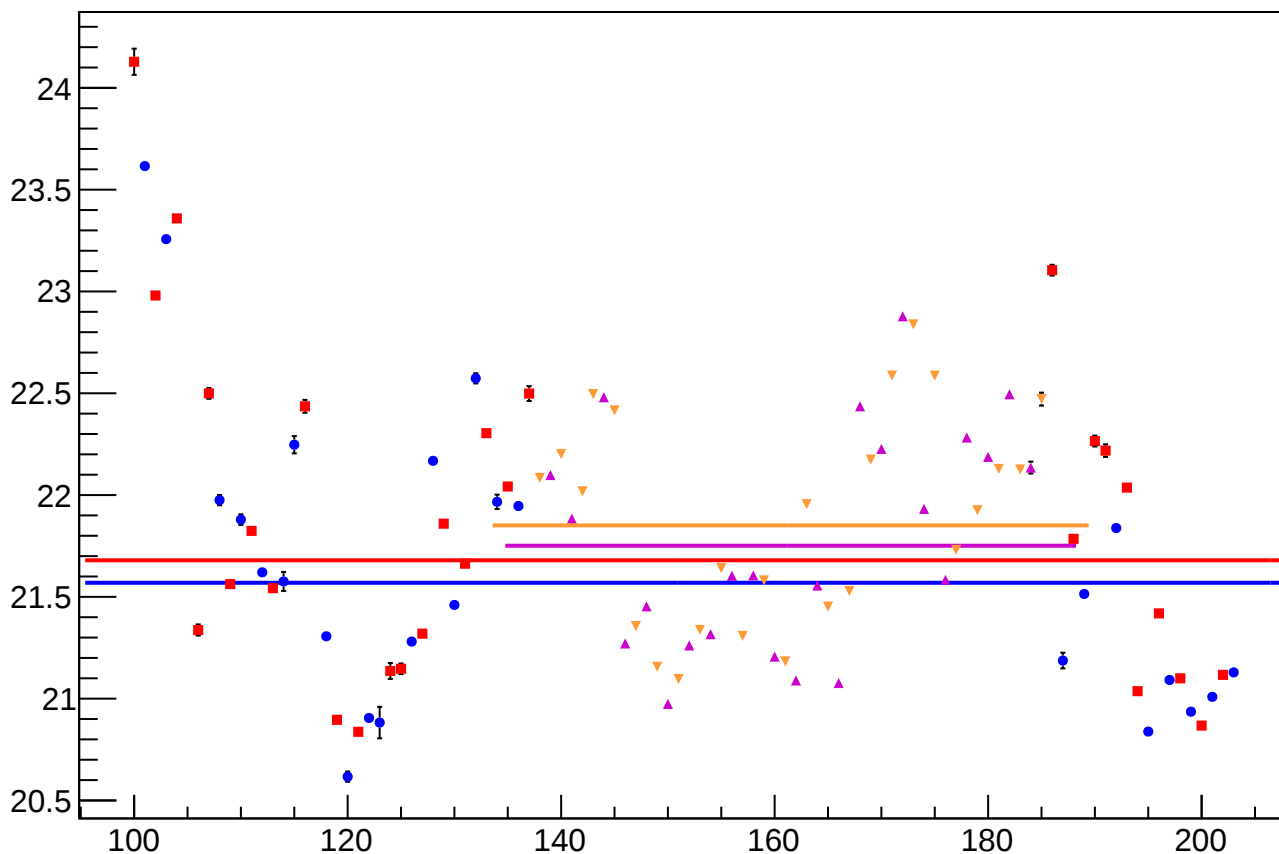
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -2.196 ± 3.926 χ^2/NDF : 61.4/49

All: 3.014 ± 2.770 χ^2/NDF : 110.6/101

- sign 8.180 ± 3.910 χ^2/NDF : 45.6/51

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.569 $\pm$ 0.004 χ^2 /NDF: 27601.0/24

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF: 19631.8/24

Right Out: 21.680 $\pm$ 0.004 χ^2 /NDF: 27293.1/28

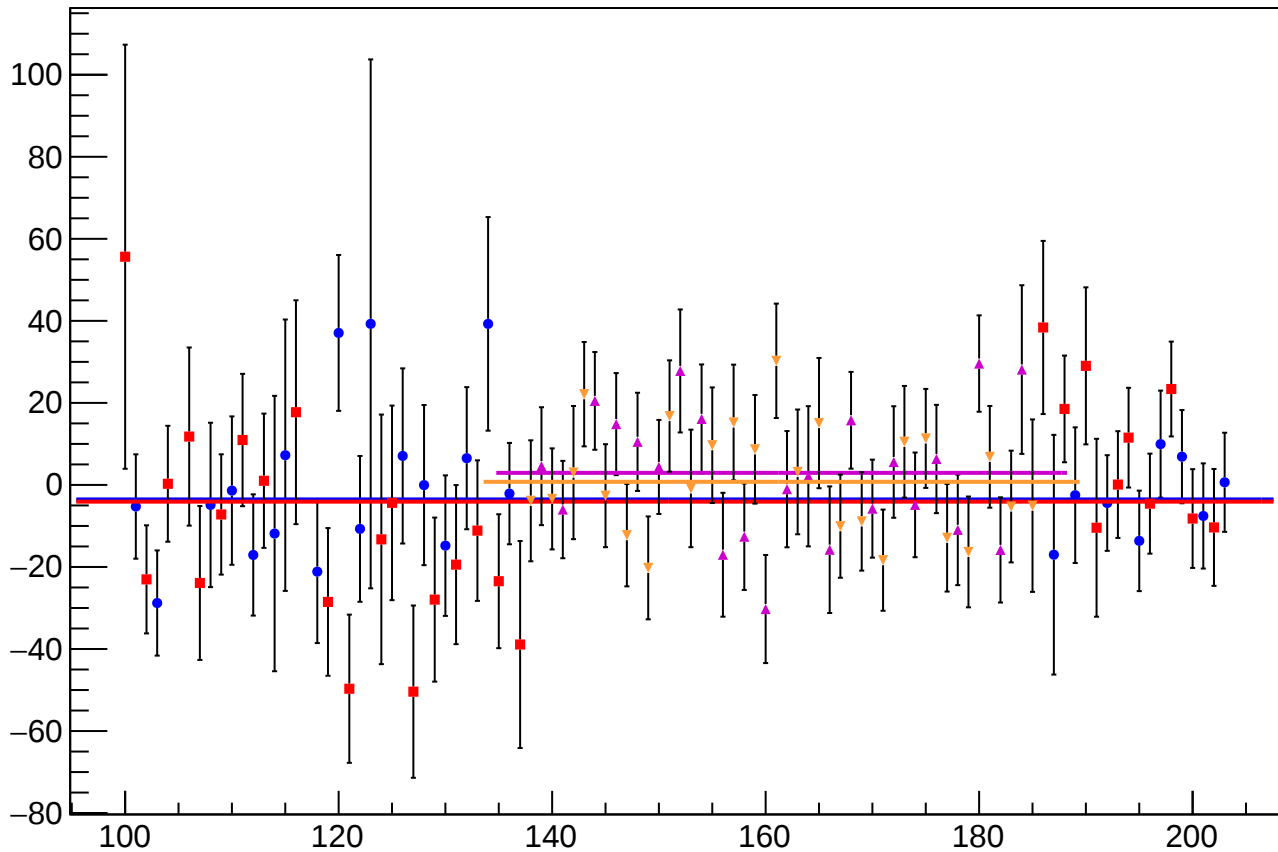
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF: 20516.3/22

+ sign 21.737 $\pm$ 0.003 χ^2 /NDF: 49717.2/49

All: 21.728 $\pm$ 0.002 χ^2 /NDF: 97710.6/101

- sign 21.720 $\pm$ 0.003 χ^2 /NDF: 47974.3/51

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.536 ± 3.184 $\chi^2/\text{NDF}: 17.9/24$

Left Out: 0.759 ± 2.698 $\chi^2/\text{NDF}: 23.8/24$

Right Out: -4.075 ± 3.063 $\chi^2/\text{NDF}: 43.4/28$

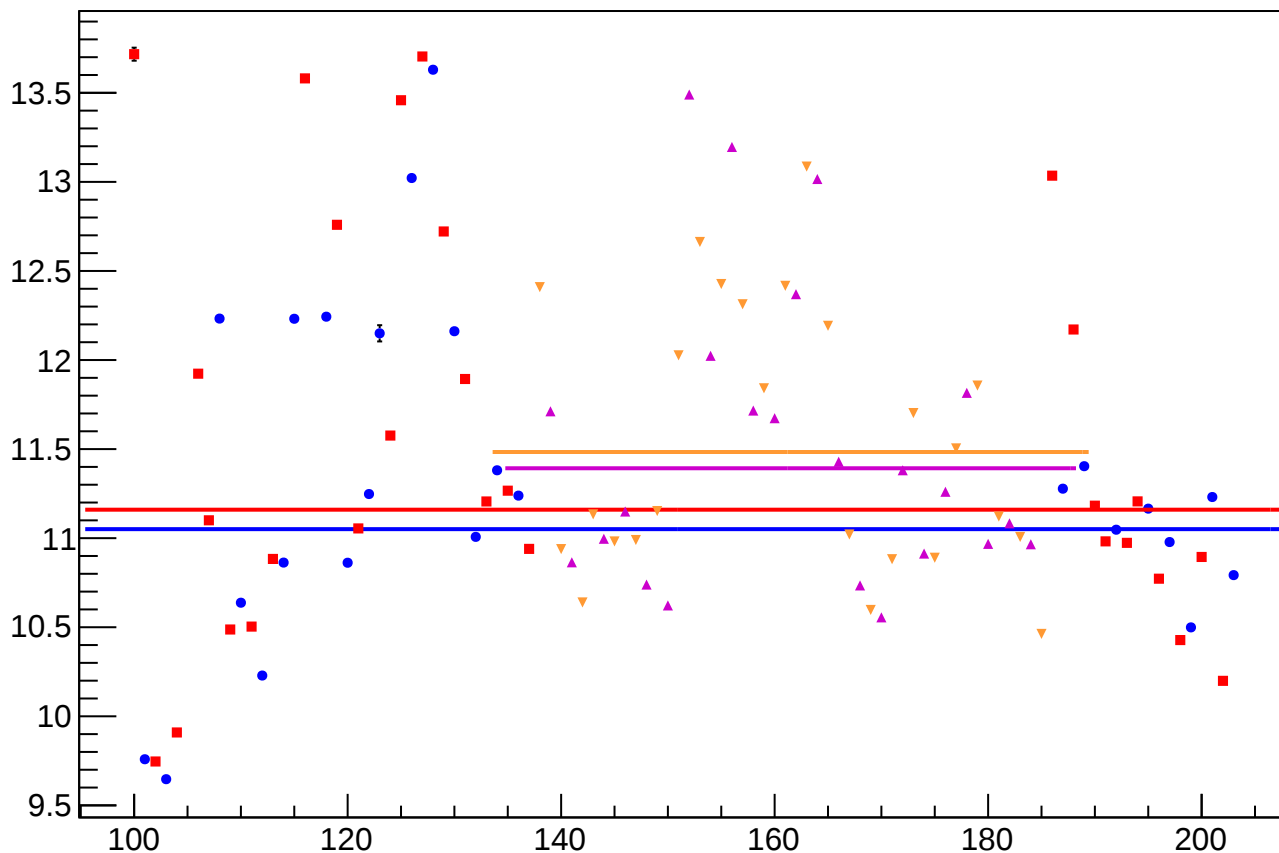
Left In: 2.944 ± 2.757 $\chi^2/\text{NDF}: 30.9/22$

+ sign -1.036 ± 2.058 $\chi^2/\text{NDF}: 42.8/49$

All: -0.615 ± 1.452 $\chi^2/\text{NDF}: 120.1/101$

- sign -0.198 ± 2.049 $\chi^2/\text{NDF}: 77.2/51$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.051+/-0.002 χ^2 /NDF: 140241.5/24

Left Out: 11.484+/-0.002 χ^2 /NDF:129805.4/24

Right Out: 11.160+/-0.002 χ^2 /NDF: 198137.4/28

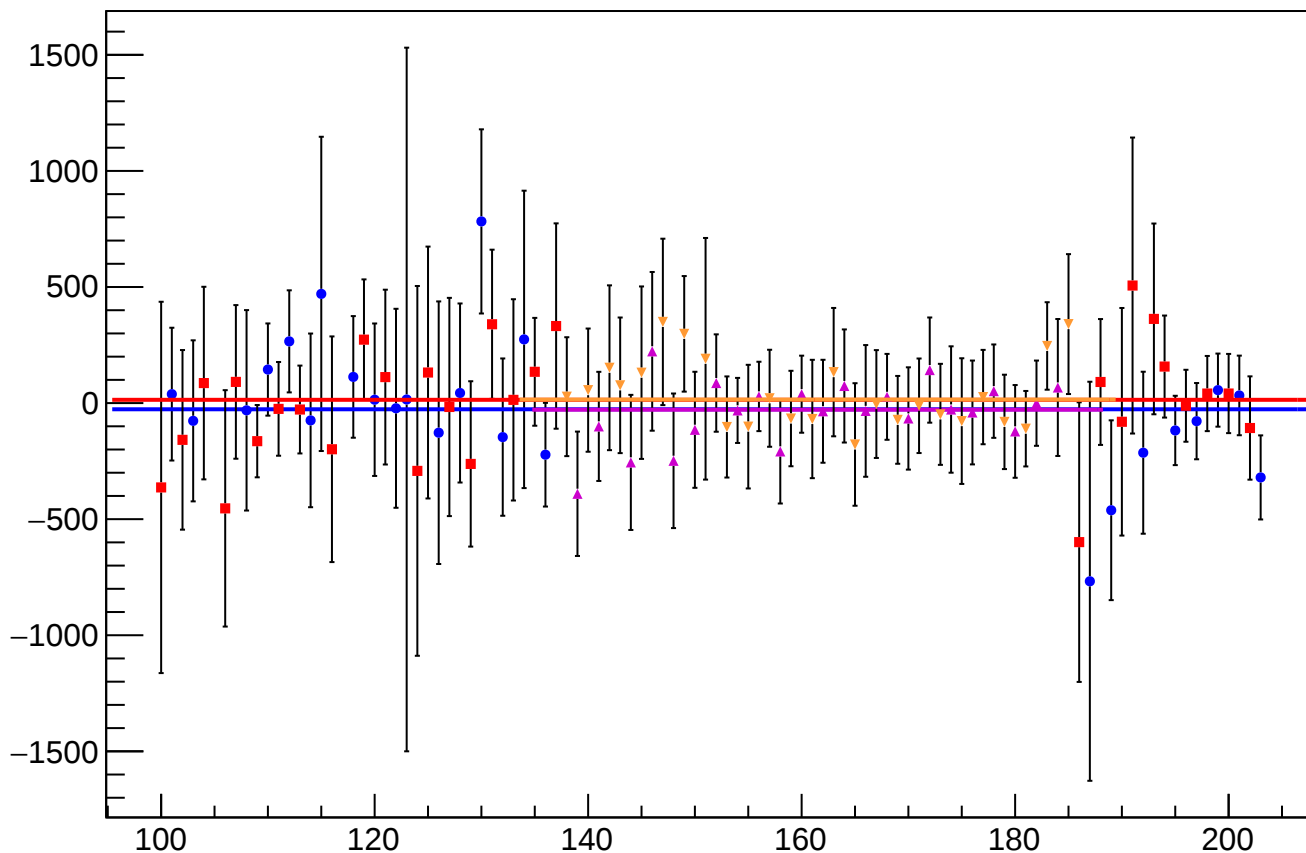
Left In: 11.392+/-0.002 χ^2 /NDF:150493.3/22

+ sign 11.303+/-0.001 χ^2 /NDF: 291581.0/49

All: 11.295+/-0.001 χ^2 /NDF: 646625.3/101

- sign 11.288+/-0.001 χ^2 /NDF: 354995.3/51

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -26.680 ± 52.599 χ^2/NDF : 14.6/24

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 14.085 ± 50.837 χ^2/NDF : 9.9/28

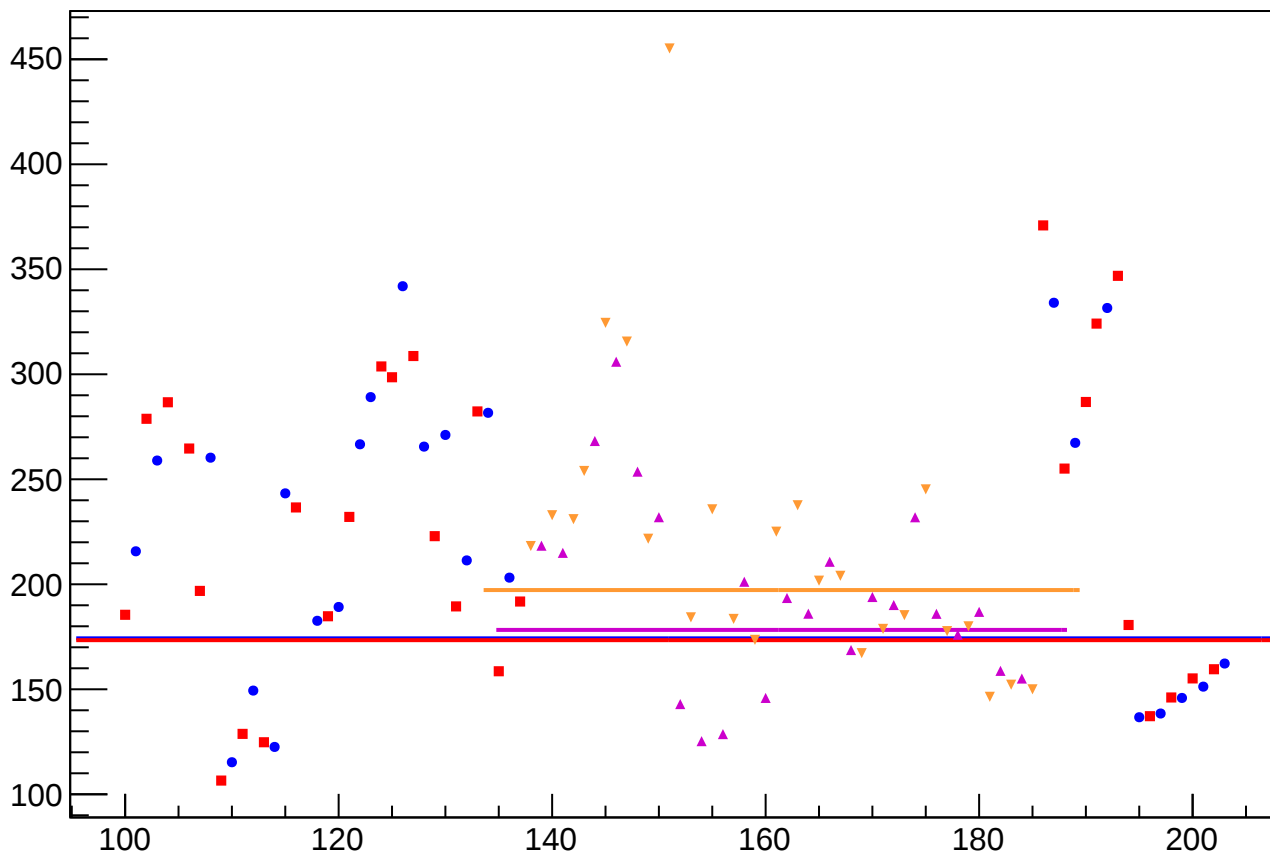
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign -3.740 ± 35.336 χ^2/NDF : 22.9/49

All: -6.967 ± 24.353 χ^2/NDF : 39.6/101

- sign -9.887 ± 33.610 χ^2/NDF : 16.7/51

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 174.256+/-0.037 χ^2/NDF : 2056155.0/24

Left Out: 197.249+/-0.034 χ^2/NDF : 1786808.1/24

Right Out: 173.391+/-0.036 χ^2/NDF : 2735726.7/28

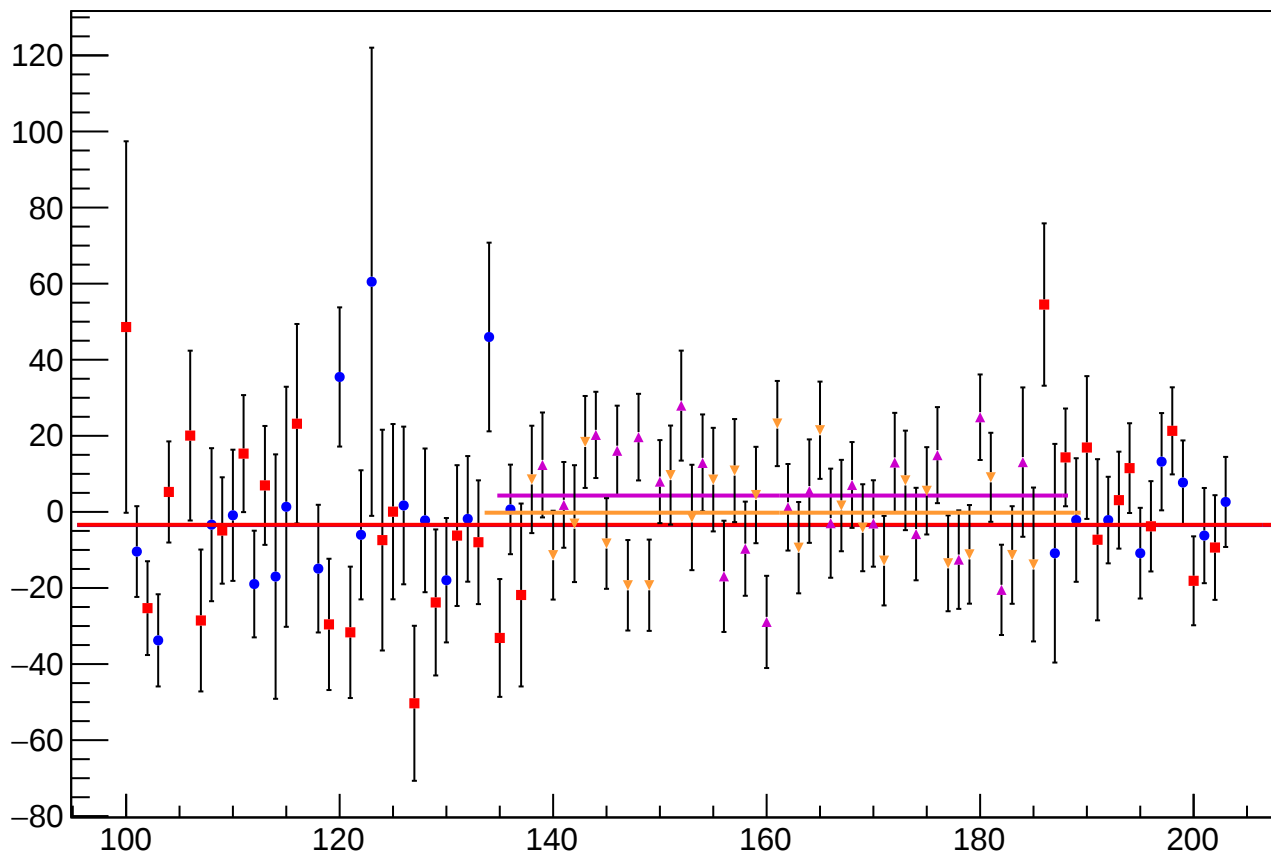
Left In: 178.277+/-0.032 χ^2/NDF : 1628916.6/22

+ sign 186.872+/-0.025 χ^2/NDF : 4052667.0/49

All: 181.238+/-0.017 χ^2/NDF : 8524540.2/103

- sign 176.141+/-0.024 χ^2/NDF : 4375043.8/51

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -3.459 ± 3.072 χ^2/NDF : 22.6/24

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -3.395 ± 2.963 χ^2/NDF : 45.2/28

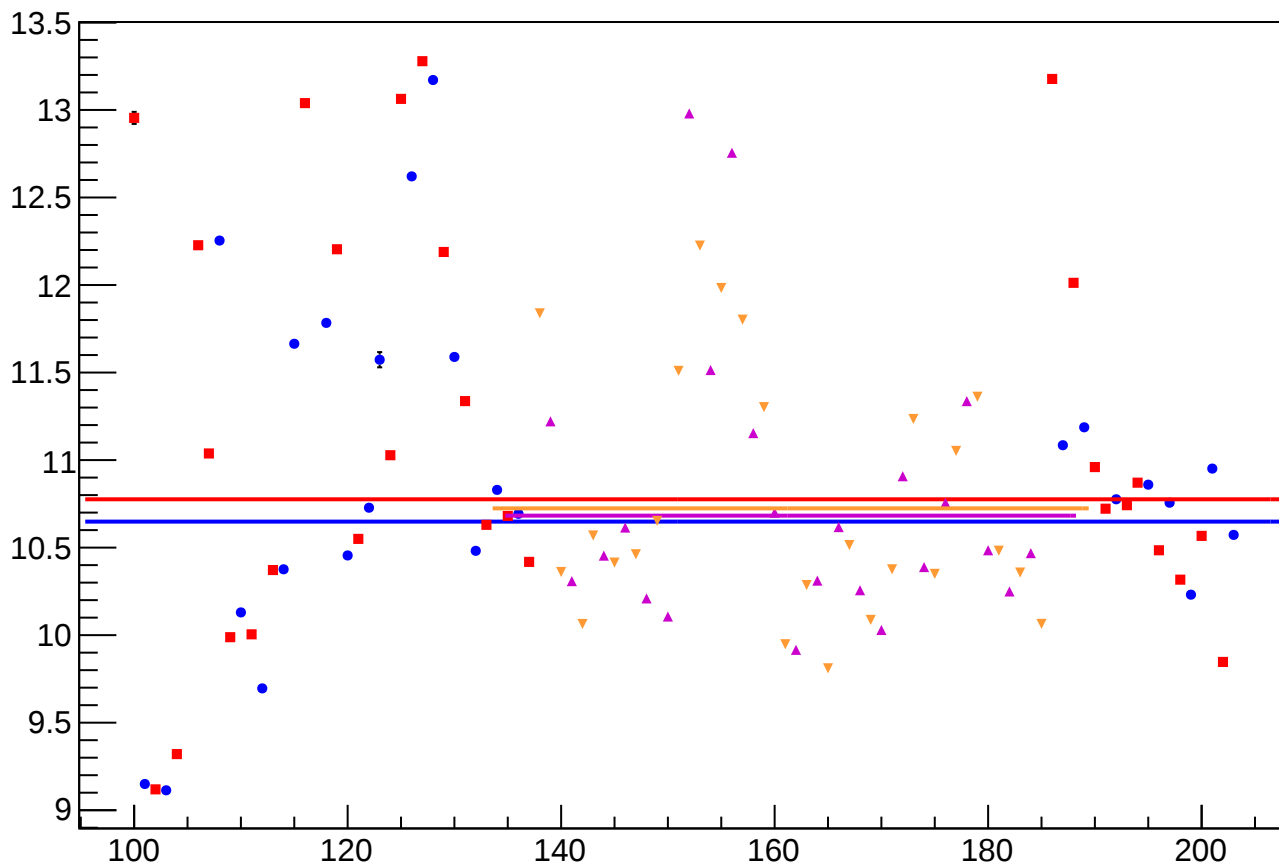
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -1.519 ± 1.950 χ^2/NDF : 47.8/49

All: -0.276 ± 1.379 χ^2/NDF : 129.2/101

- sign 0.966 ± 1.949 χ^2/NDF : 80.6/51

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.649 $\pm$ 0.002 χ^2 /NDF: 168057.7/24

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF: 132558.9/24

Right Out: 10.776 $\pm$ 0.002 χ^2 /NDF: 236365.9/28

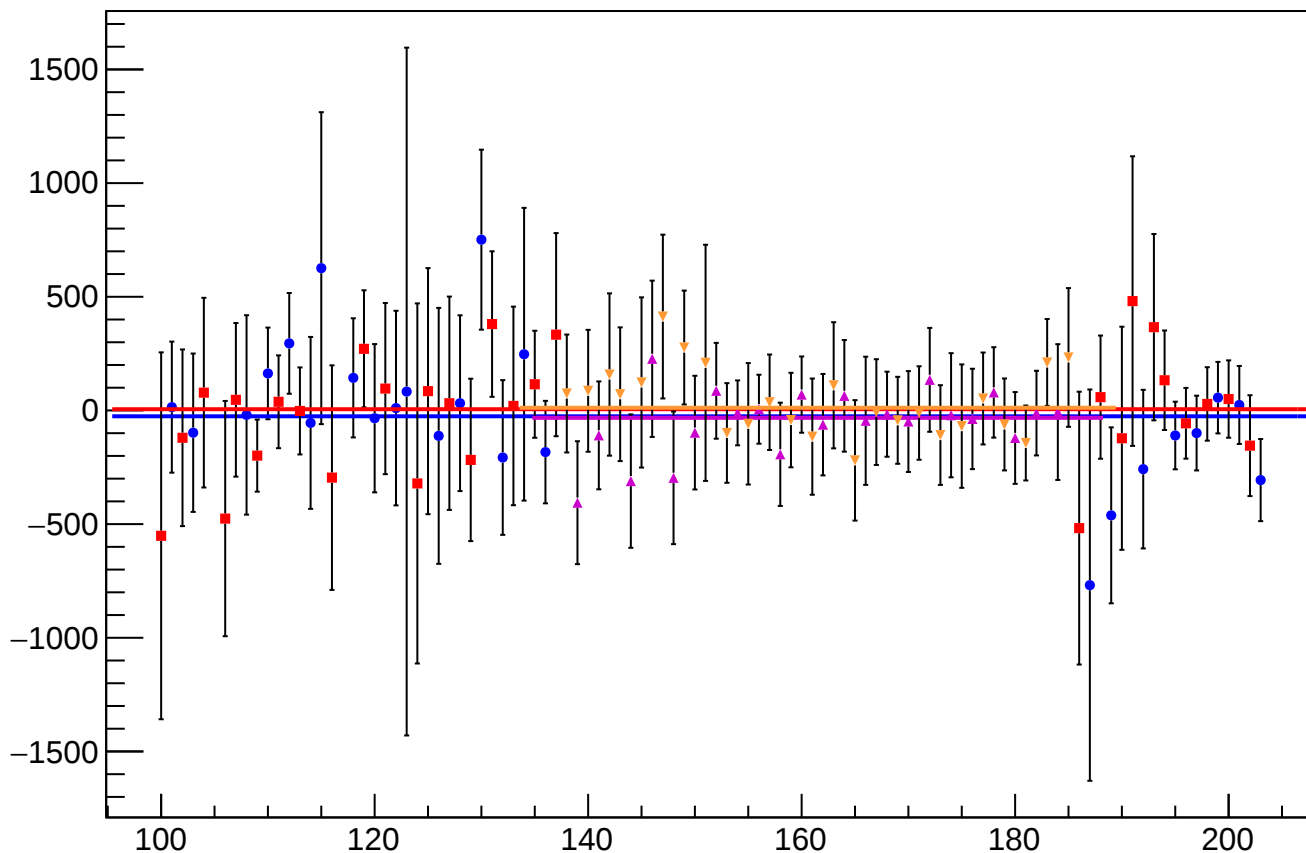
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF: 147835.6/22

+ sign 10.694 $\pm$ 0.001 χ^2 /NDF: 301340.4/49

All: 10.708 $\pm$ 0.001 χ^2 /NDF: 686896.6/101

- sign 10.723 $\pm$ 0.001 χ^2 /NDF: 385329.4/51

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -25.693 ± 52.713 $\chi^2/\text{NDF}: 15.0/24$

Left Out: 11.891 ± 48.022 $\chi^2/\text{NDF}: 7.6/24$

Right Out: 5.416 ± 51.067 $\chi^2/\text{NDF}: 10.7/28$

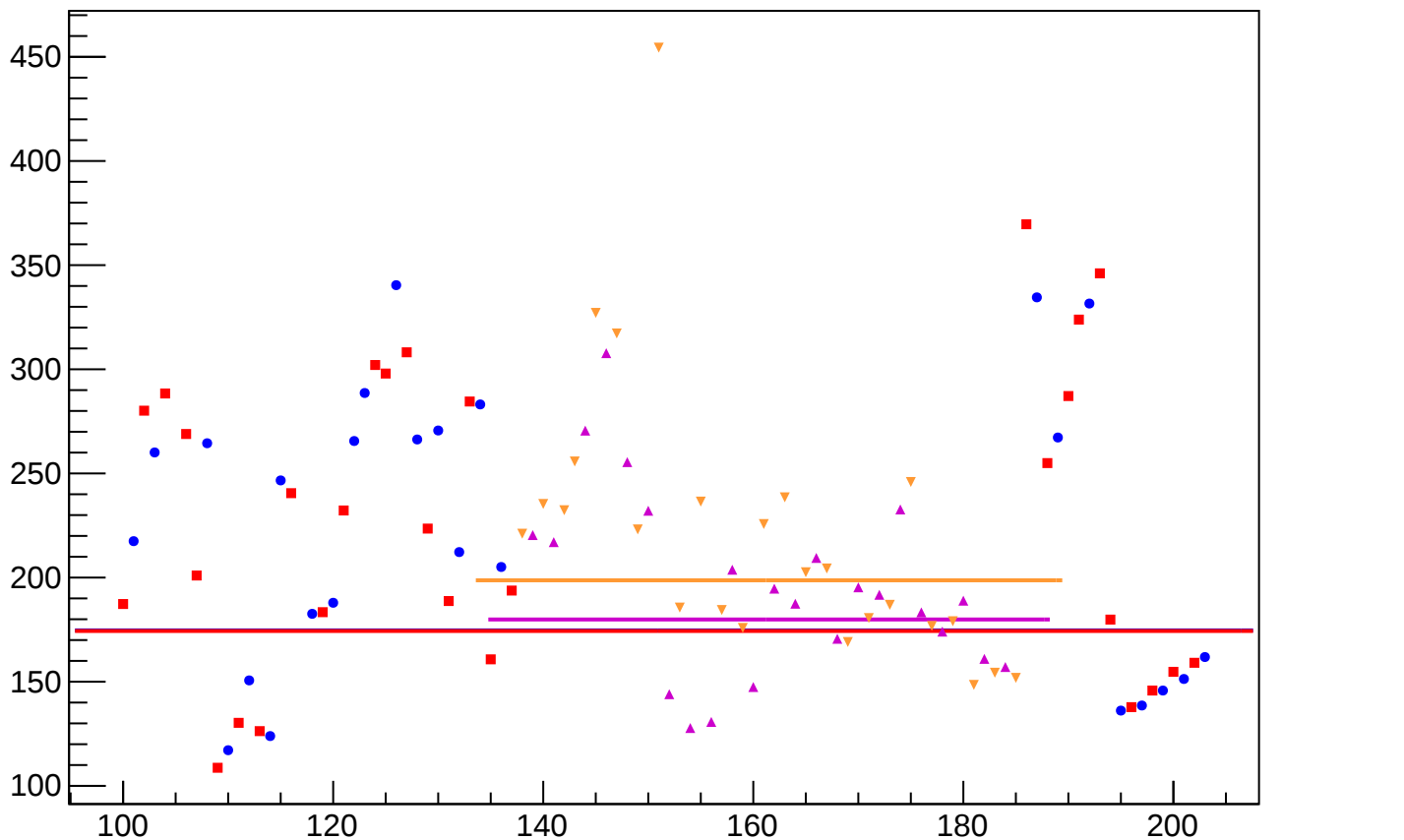
Left In: -32.413 ± 45.155 $\chi^2/\text{NDF}: 6.9/22$

+ sign -5.155 ± 35.500 $\chi^2/\text{NDF}: 22.9/49$

All: -10.741 ± 24.489 $\chi^2/\text{NDF}: 40.8/101$

- sign -15.814 ± 33.827 $\chi^2/\text{NDF}: 17.9/51$

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.643 $\pm$ 0.037 χ^2/NDF : 2053205.7/24

Left Out: 198.695 $\pm$ 0.034 χ^2/NDF :1759311.9/24

Right Out: 174.373 $\pm$ 0.036 χ^2/NDF : 2689766.2/28

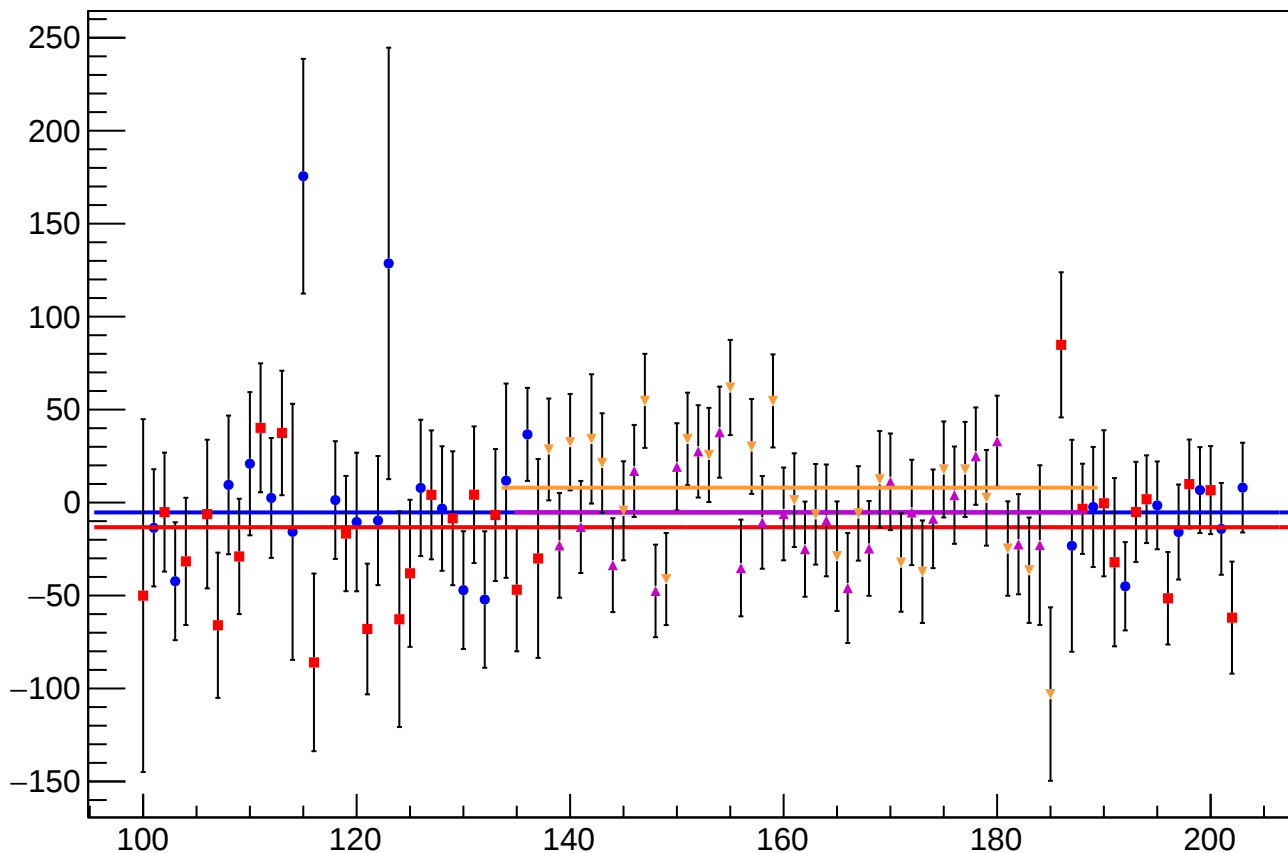
Left In: 179.886 $\pm$ 0.032 χ^2/NDF :1580636.4/22

+ sign 187.786 $\pm$ 0.025 χ^2/NDF : 4040063.1/49

All: 182.378 $\pm$ 0.017 χ^2/NDF : 8412122.6/103

- sign 177.467 $\pm$ 0.024 χ^2/NDF : 4283485.9/51

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.295 ± 6.405 χ^2/NDF : 22.0/24

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -13.236 ± 6.140 χ^2/NDF : 28.7/28

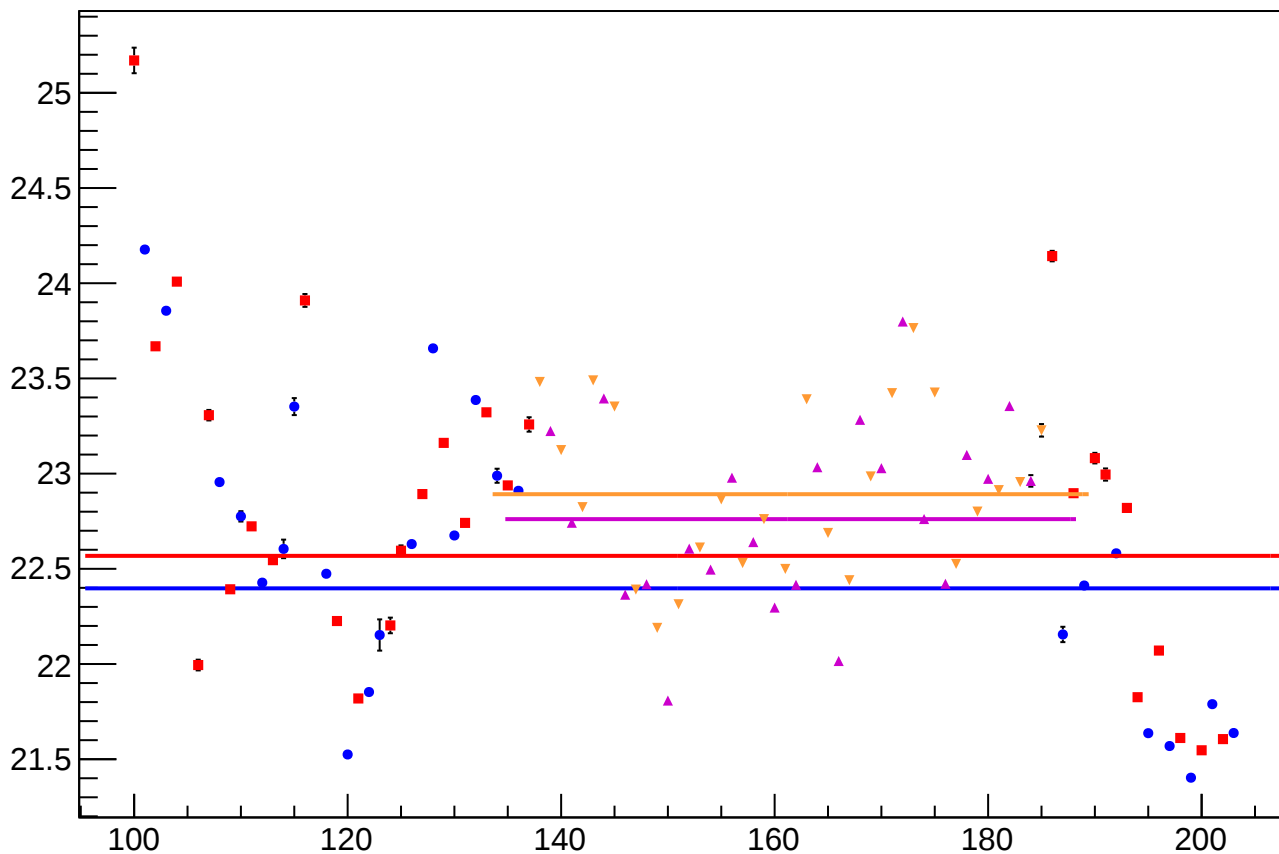
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 2.558 ± 4.099 χ^2/NDF : 62.0/49

All: -3.138 ± 2.892 χ^2/NDF : 116.2/101

- sign -8.786 ± 4.082 χ^2/NDF : 50.4/51

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.397 $\pm$ 0.005 χ^2 /NDF: 30189.3/24

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF:12995.5/24

Right Out: 22.568 $\pm$ 0.004 χ^2 /NDF: 29764.5/28

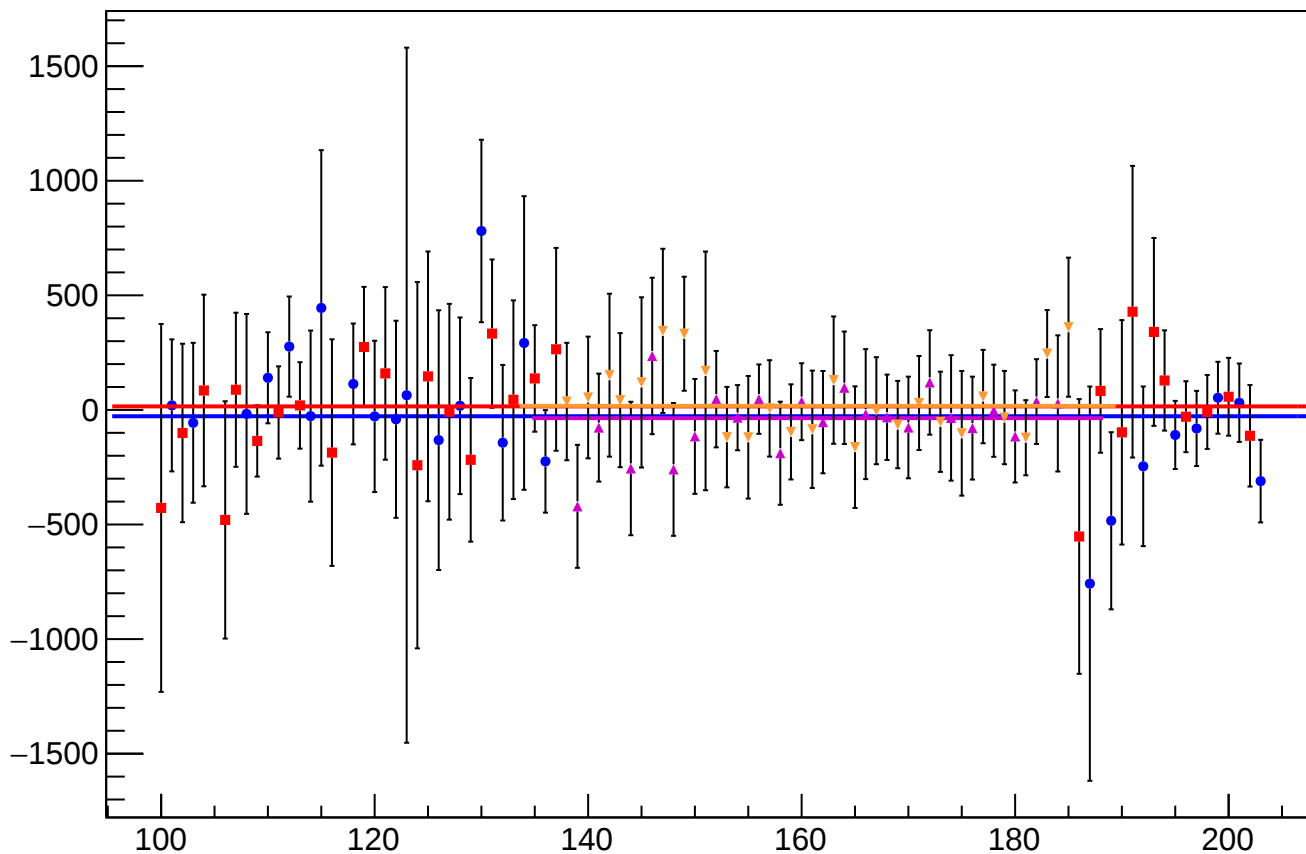
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.689 $\pm$ 0.003 χ^2 /NDF: 50224.4/49

All: 22.683 $\pm$ 0.002 χ^2 /NDF: 95651.3/101

- sign 22.676 $\pm$ 0.003 χ^2 /NDF: 45415.7/51

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -27.618 ± 52.559 χ^2/NDF : 14.5/24

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 15.363 ± 50.815 χ^2/NDF : 8.6/28

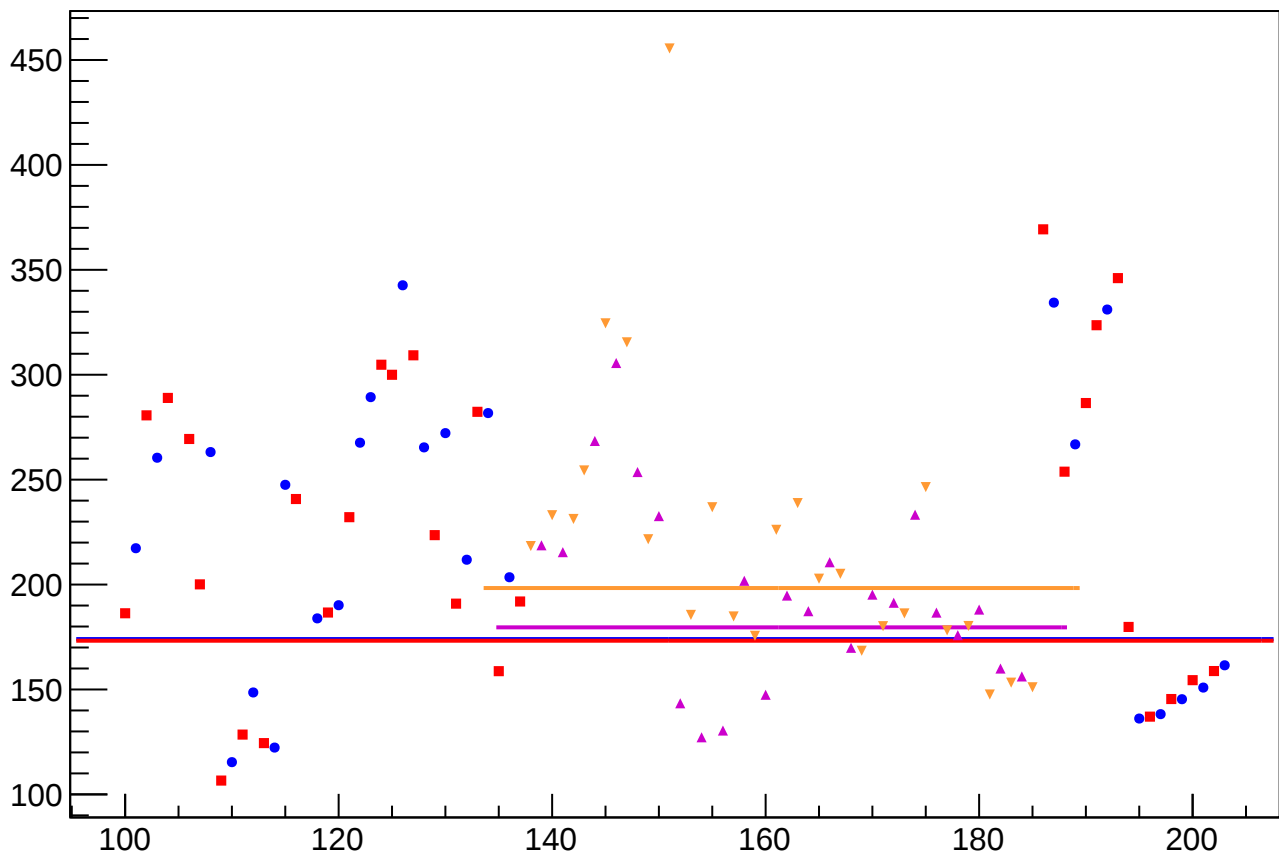
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign -2.839 ± 35.420 χ^2/NDF : 23.5/49

All: -8.330 ± 24.425 χ^2/NDF : 39.0/101

- sign -13.307 ± 33.725 χ^2/NDF : 15.5/51

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.025+/-0.037 χ^2/NDF : 2084078.3/24

Left Out: 198.344+/-0.034 χ^2/NDF : 1757450.6/24

Right Out: 173.240+/-0.036 χ^2/NDF : 2761632.6/28

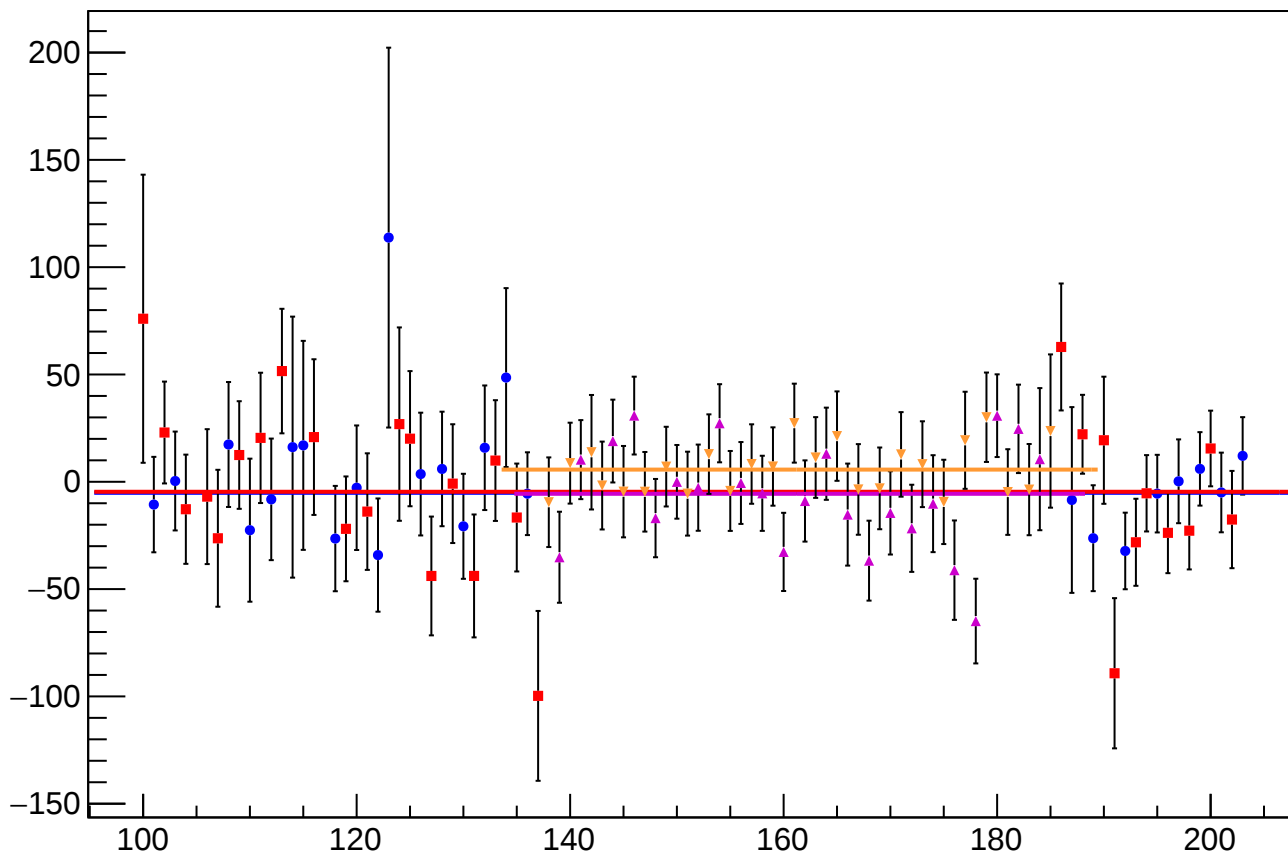
Left In: 179.605+/-0.032 χ^2/NDF : 1575744.0/22

+ sign 187.299+/-0.025 χ^2/NDF : 4075251.8/49

All: 181.793+/-0.017 χ^2/NDF : 8522336.4/100

- sign 176.801+/-0.024 χ^2/NDF : 4354935.5/51

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.136 $\pm$ 4.910 χ^2 /NDF: 12.4/24

Left Out: 5.680 $\pm$ 4.024 χ^2 /NDF: 7.7/24

Right Out: -4.648 $\pm$ 4.728 χ^2 /NDF: 39.5/28

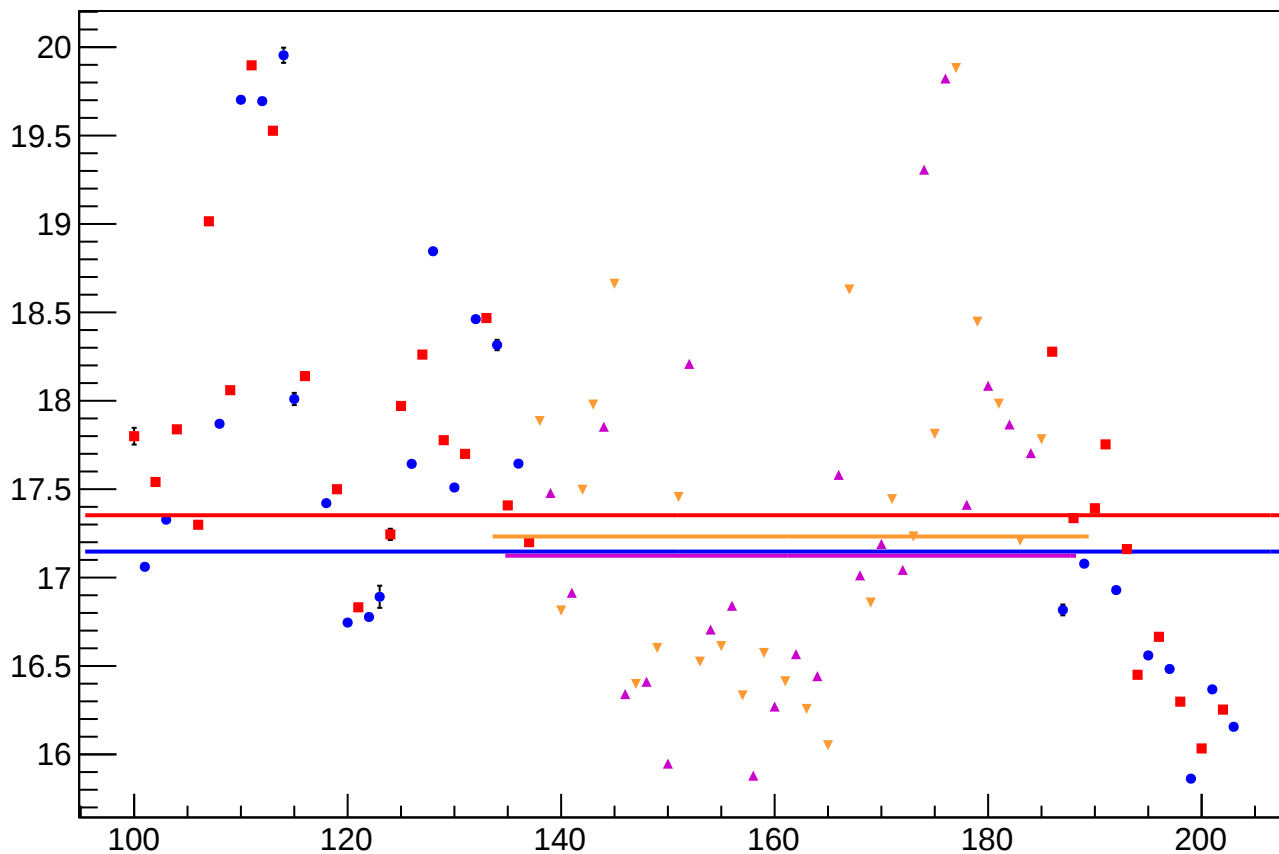
Left In: -5.595 $\pm$ 4.121 χ^2 /NDF: 36.4/22

+ sign 1.335 $\pm$ 3.112 χ^2 /NDF: 23.1/49

All: -1.931 $\pm$ 2.199 χ^2 /NDF: 101.2/101

- sign -5.186 $\pm$ 3.107 χ^2 /NDF: 75.9/51

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.147 $\pm$ 0.003 χ^2 /NDF: 77084.4/24

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF:98701.0/24

Right Out: 17.353 $\pm$ 0.003 χ^2 /NDF: 74849.7/28

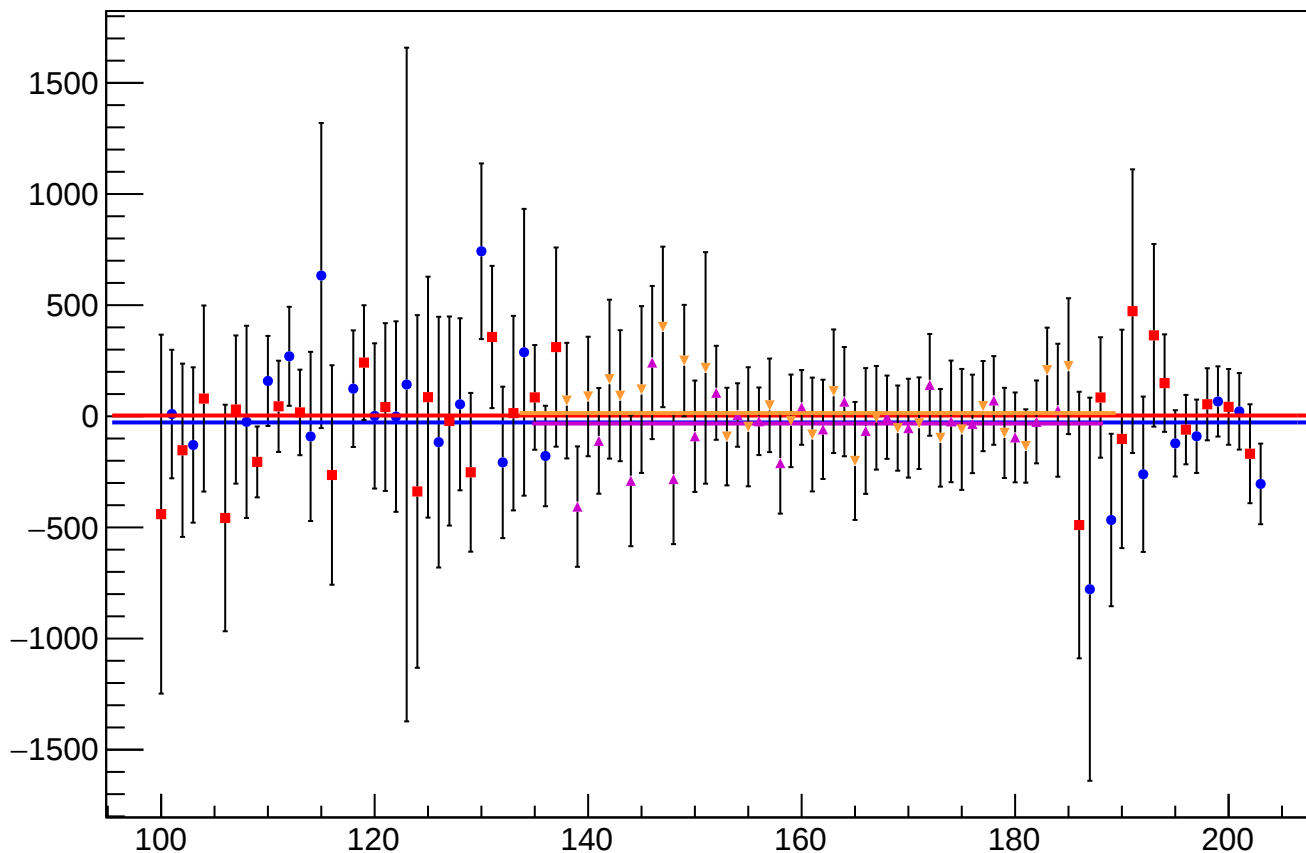
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF:100747.0/22

+ sign 17.198 $\pm$ 0.002 χ^2 /NDF: 176147.4/49

All: 17.210 $\pm$ 0.002 χ^2 /NDF: 354468.1/101

- sign 17.223 $\pm$ 0.002 χ^2 /NDF: 178259.2/51

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -27.672 ± 52.872 χ^2/NDF : 14.7/24

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 3.571 ± 51.190 χ^2/NDF : 10.2/28

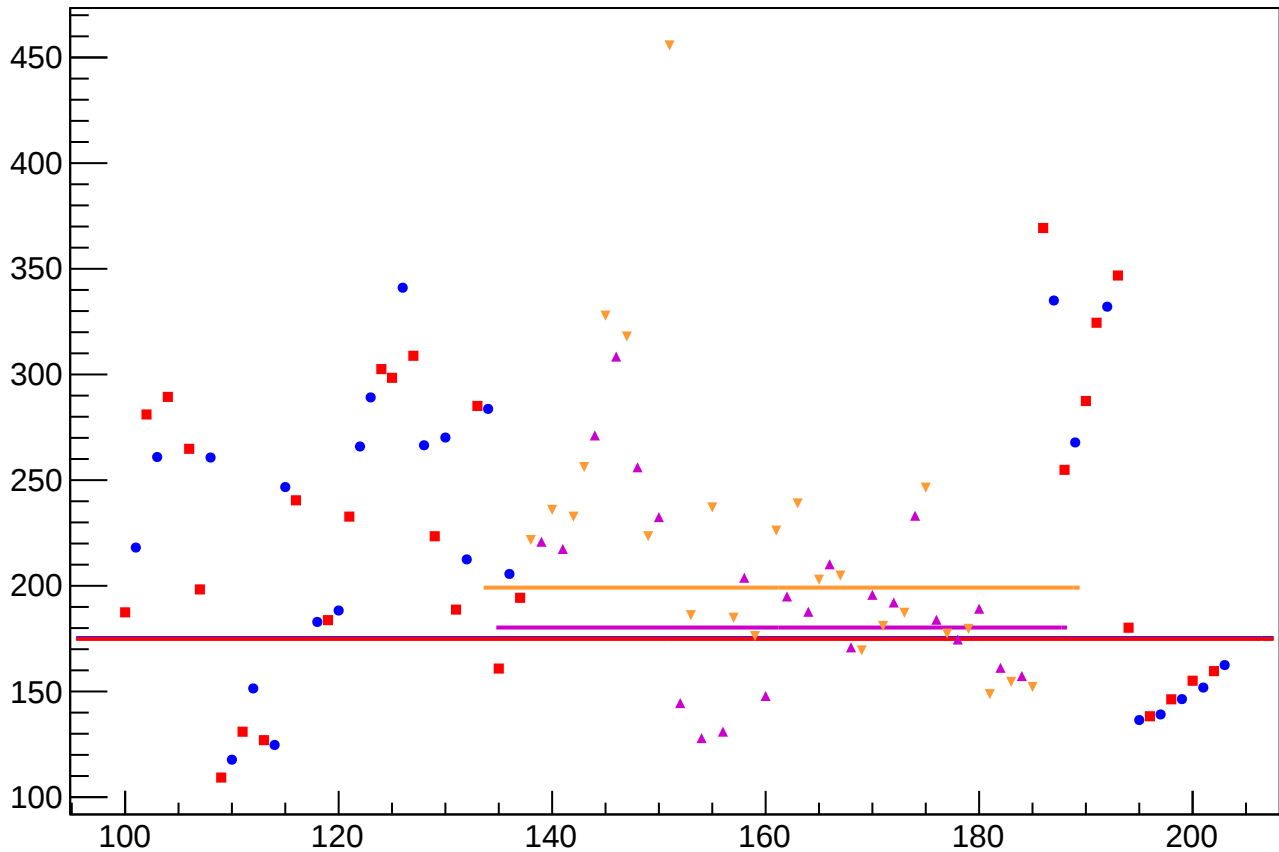
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign -4.685 ± 35.592 χ^2/NDF : 22.0/49

All: -10.994 ± 24.548 χ^2/NDF : 39.3/101

- sign -16.719 ± 33.902 χ^2/NDF : 17.2/51

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.242 $\pm$ 0.037 χ^2 /NDF: 2034844.9/24

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF:1760298.1/24

Right Out: 174.881 $\pm$ 0.036 χ^2 /NDF: 2665811.2/28

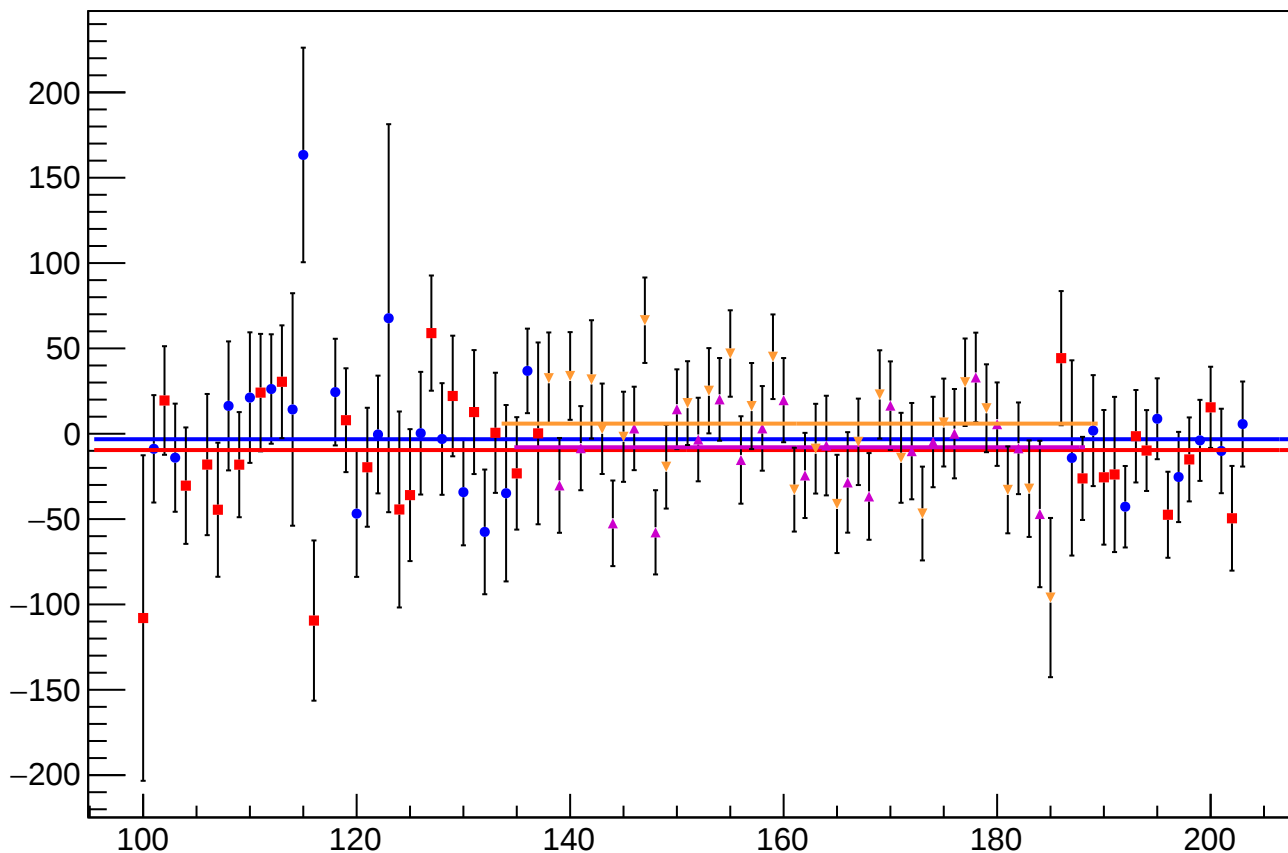
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

+ sign 188.308 $\pm$ 0.025 χ^2 /NDF: 4018507.8/49

All: 182.851 $\pm$ 0.017 χ^2 /NDF: 8366950.9/100

- sign 177.899 $\pm$ 0.024 χ^2 /NDF: 4258744.5/51

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.205 ± 6.423 $\chi^2/\text{NDF}: 21.5/24$

Left Out: 5.937 ± 5.285 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -9.554 ± 6.141 $\chi^2/\text{NDF}: 24.8/28$

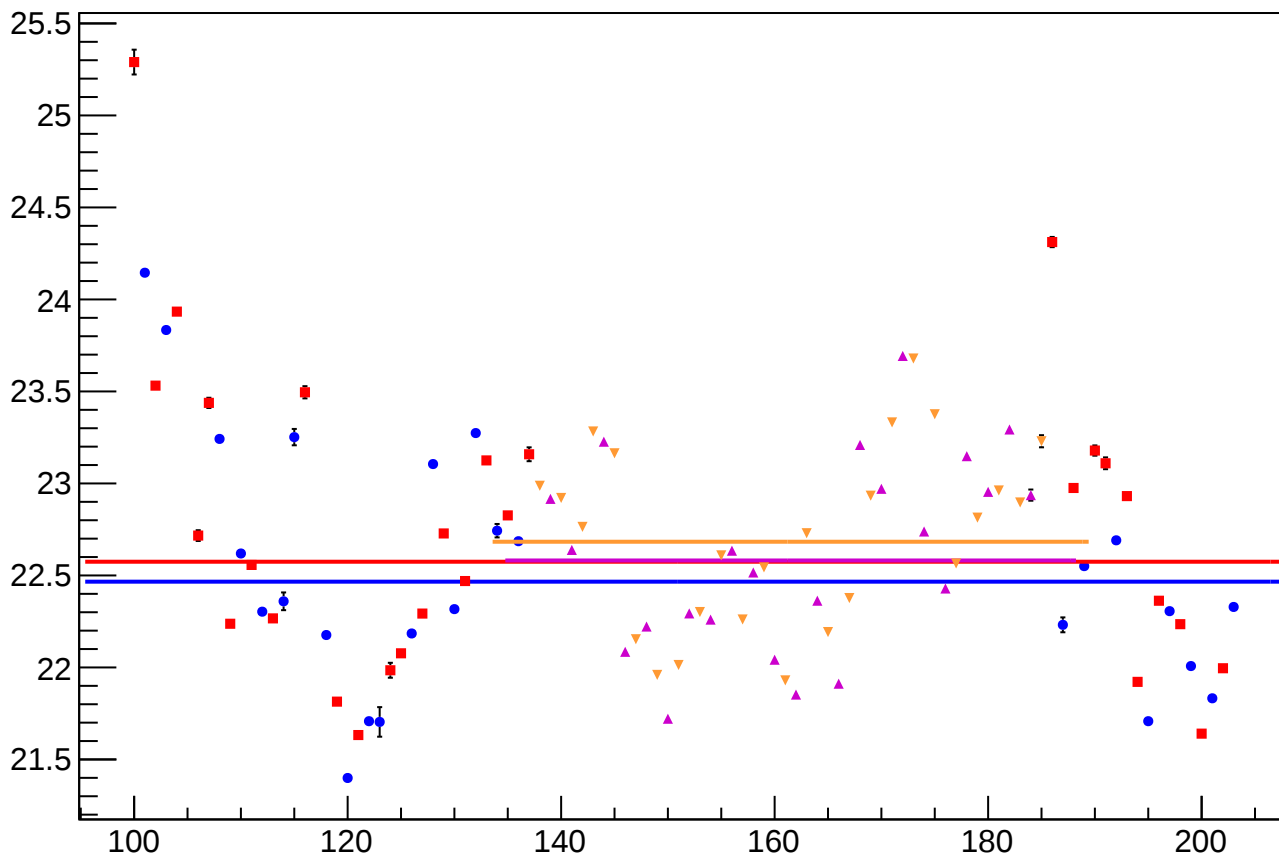
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 2.247 ± 4.081 $\chi^2/\text{NDF}: 58.8/49$

All: -3.216 ± 2.880 $\chi^2/\text{NDF}: 105.9/101$

- sign -8.633 ± 4.064 $\chi^2/\text{NDF}: 43.5/51$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.466 $\pm$ 0.005 χ^2/NDF : 20146.4/24

Left Out: 22.683 $\pm$ 0.004 χ^2/NDF : 16320.2/24

Right Out: 22.575 $\pm$ 0.004 χ^2/NDF : 24459.8/28

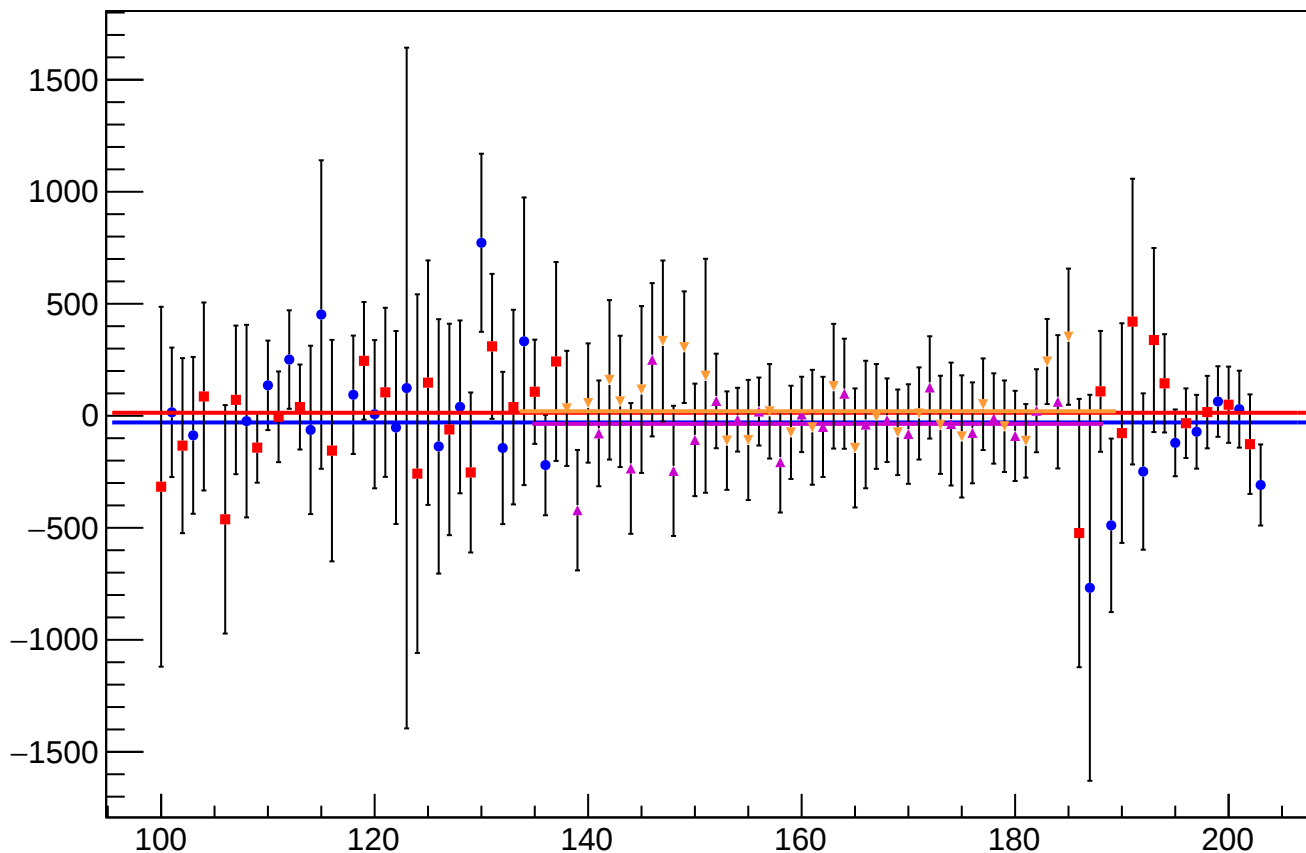
Left In: 22.581 $\pm$ 0.004 χ^2/NDF : 17904.5/22

+ sign 22.596 $\pm$ 0.003 χ^2/NDF : 37828.0/49

All: 22.587 $\pm$ 0.002 χ^2/NDF : 80211.5/101

- sign 22.578 $\pm$ 0.003 χ^2/NDF : 42365.6/51

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -29.682 ± 52.719 χ^2/NDF : 14.2/24

Left Out: 20.306 ± 48.049 χ^2/NDF : 7.7/24

Right Out: 13.574 ± 50.940 χ^2/NDF : 8.1/28

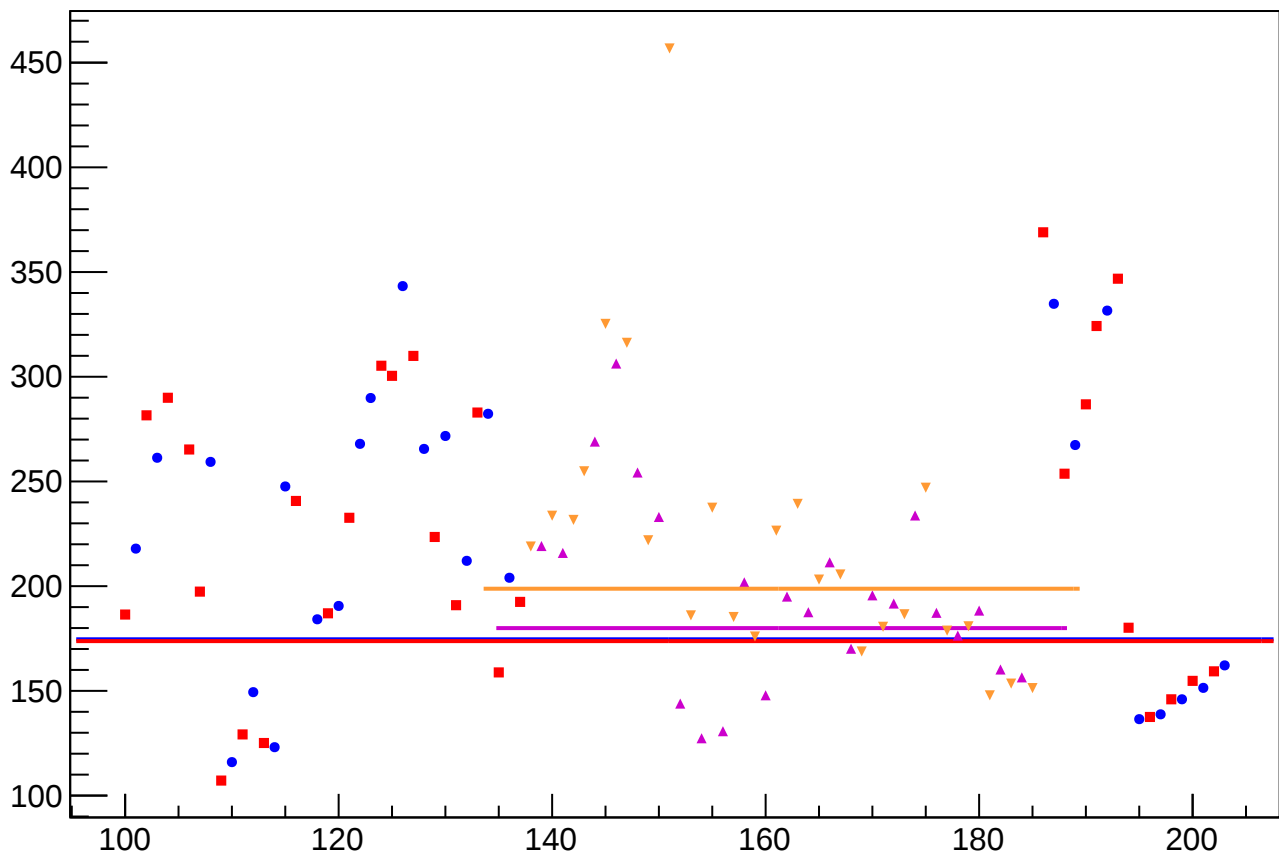
Left In: -35.996 ± 45.180 χ^2/NDF : 6.1/22

+ sign -2.376 ± 35.512 χ^2/NDF : 22.4/49

All: -8.564 ± 24.484 χ^2/NDF : 37.2/101

- sign -14.171 ± 33.801 χ^2/NDF : 14.7/51

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.630 $\pm$ 0.037 χ^2 /NDF: 2065111.5/24

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 173.758 $\pm$ 0.036 χ^2 /NDF: 2736696.2/28

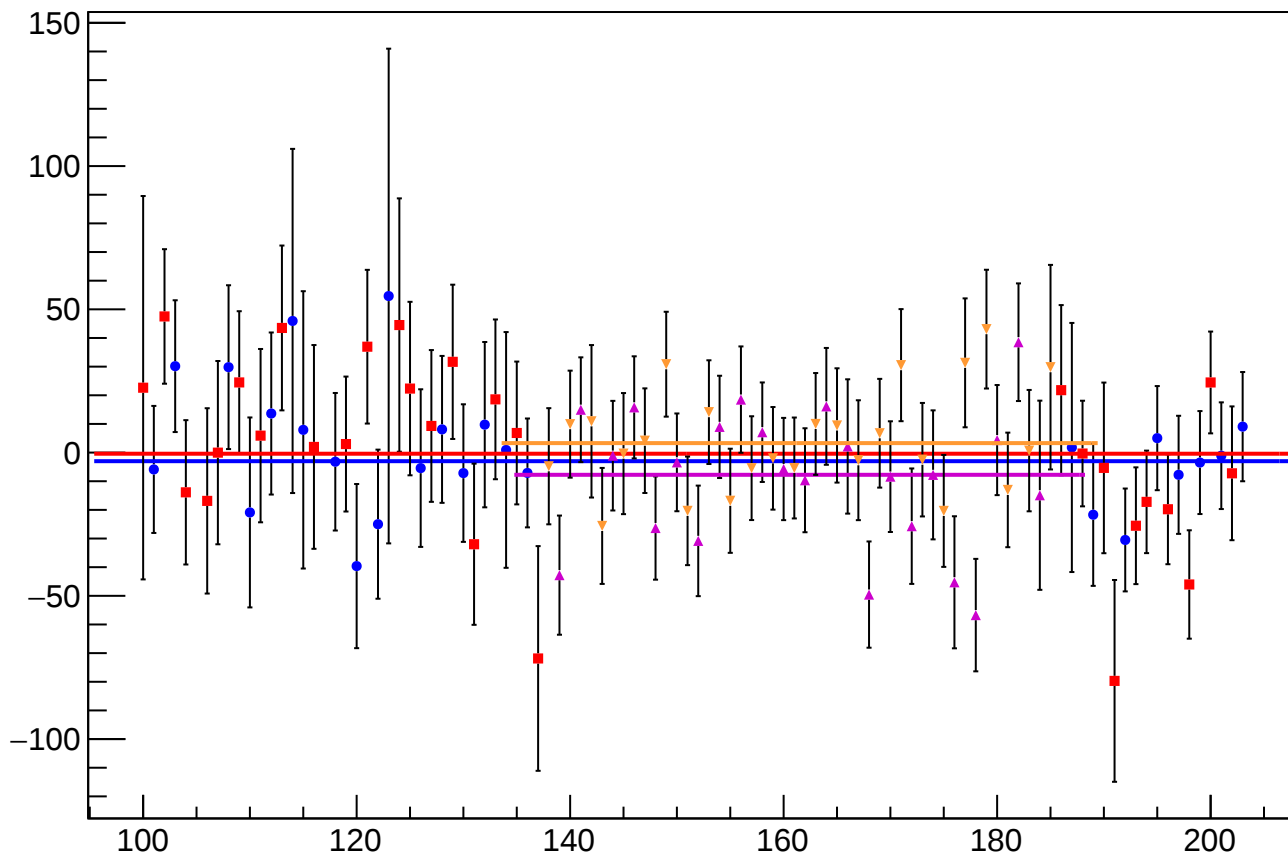
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 187.825 $\pm$ 0.025 χ^2 /NDF: 4052919.3/49

All: 182.269 $\pm$ 0.017 χ^2 /NDF: 8475450.7/100

- sign 177.236 $\pm$ 0.024 χ^2 /NDF: 4329245.1/51

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.002 ± 4.934 χ^2/NDF : 11.6/24

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: -0.399 ± 4.729 χ^2/NDF : 35.4/28

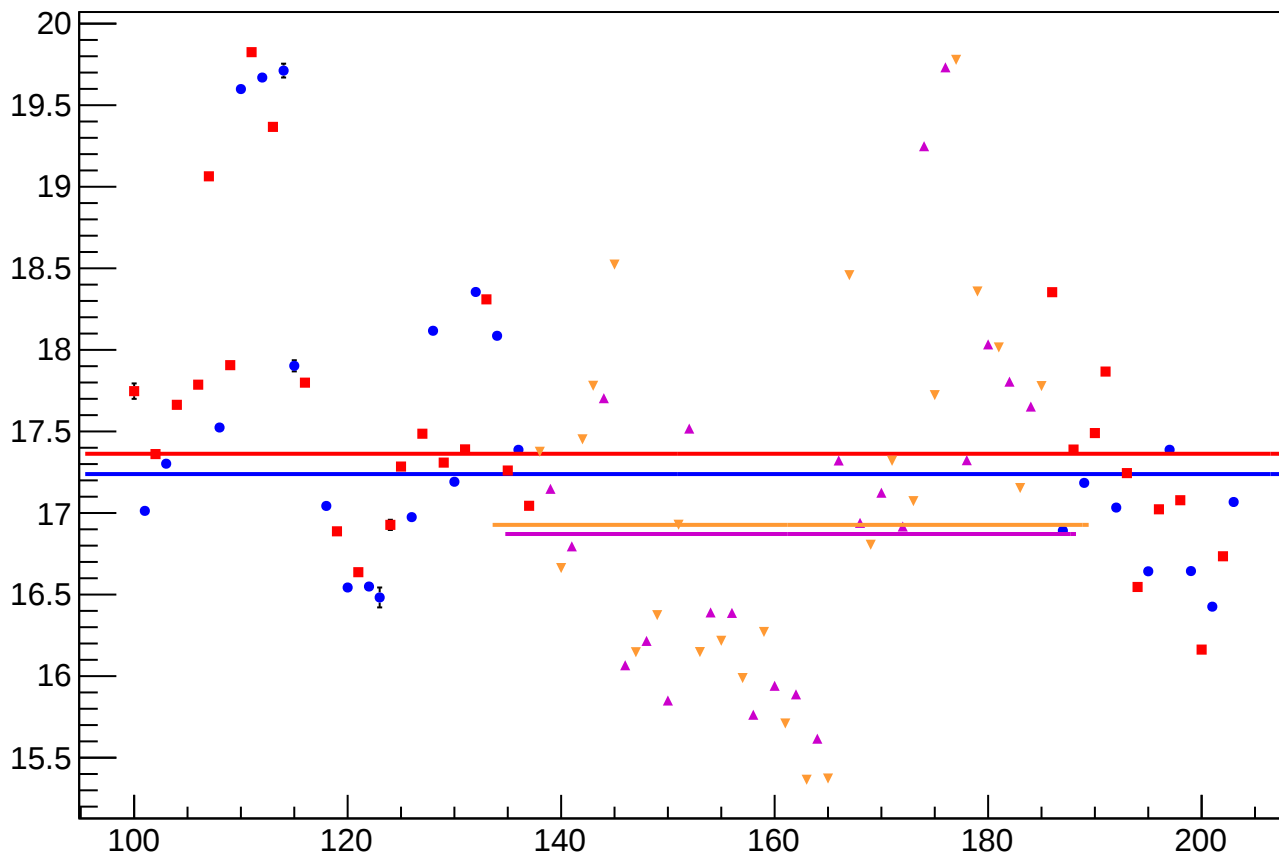
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 0.840 ± 3.085 χ^2/NDF : 31.3/49

All: -1.901 ± 2.180 χ^2/NDF : 104.0/101

- sign -4.633 ± 3.081 χ^2/NDF : 71.1/51

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.239 $\pm$ 0.003 χ^2 /NDF: 47290.9/24

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.363 $\pm$ 0.003 χ^2 /NDF: 54141.0/28

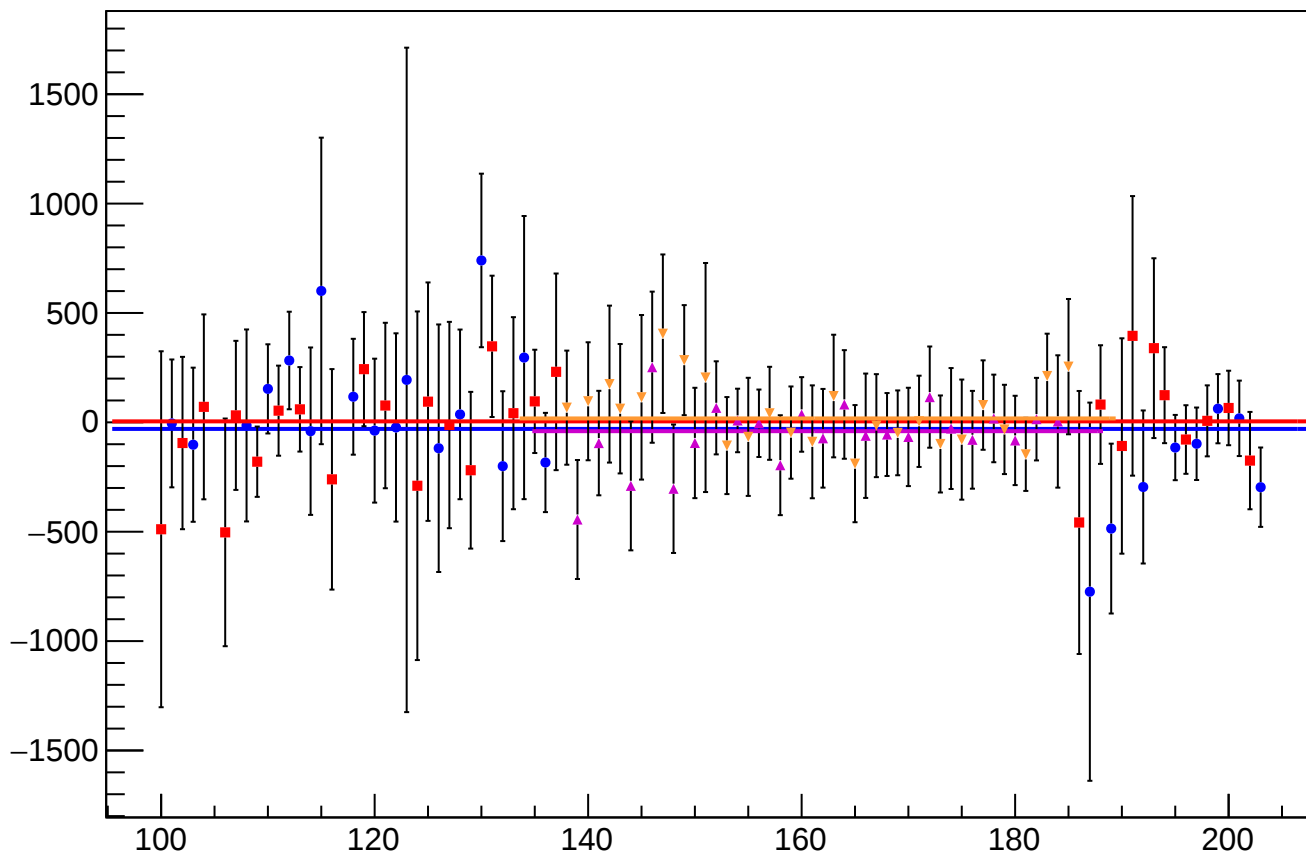
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.049 $\pm$ 0.002 χ^2 /NDF: 190676.6/49

All: 17.065 $\pm$ 0.002 χ^2 /NDF: 375366.3/101

- sign 17.080 $\pm$ 0.002 χ^2 /NDF: 184588.7/51

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -30.036 ± 53.051 χ^2/NDF : 14.5/24

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 4.480 ± 51.401 χ^2/NDF : 9.2/28

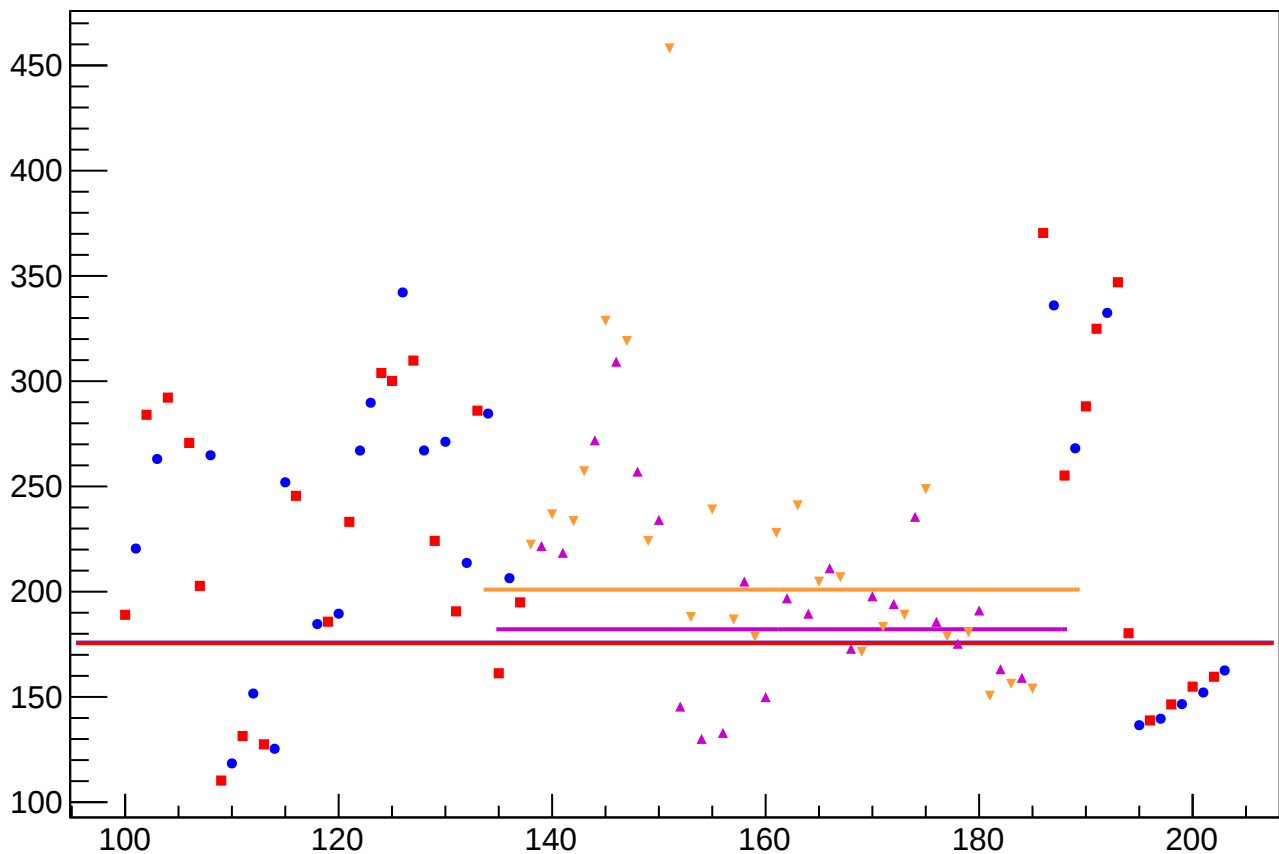
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign -3.986 ± 35.815 χ^2/NDF : 22.4/49

All: -12.671 ± 24.715 χ^2/NDF : 38.8/101

- sign -20.566 ± 34.149 χ^2/NDF : 16.3/51

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.795±0.038 χ^2/NDF : 2048573.1/24

Left Out: 200.985±0.034 χ^2/NDF :1727291.4/24

Right Out: 175.608±0.036 χ^2/NDF : 2673858.3/28

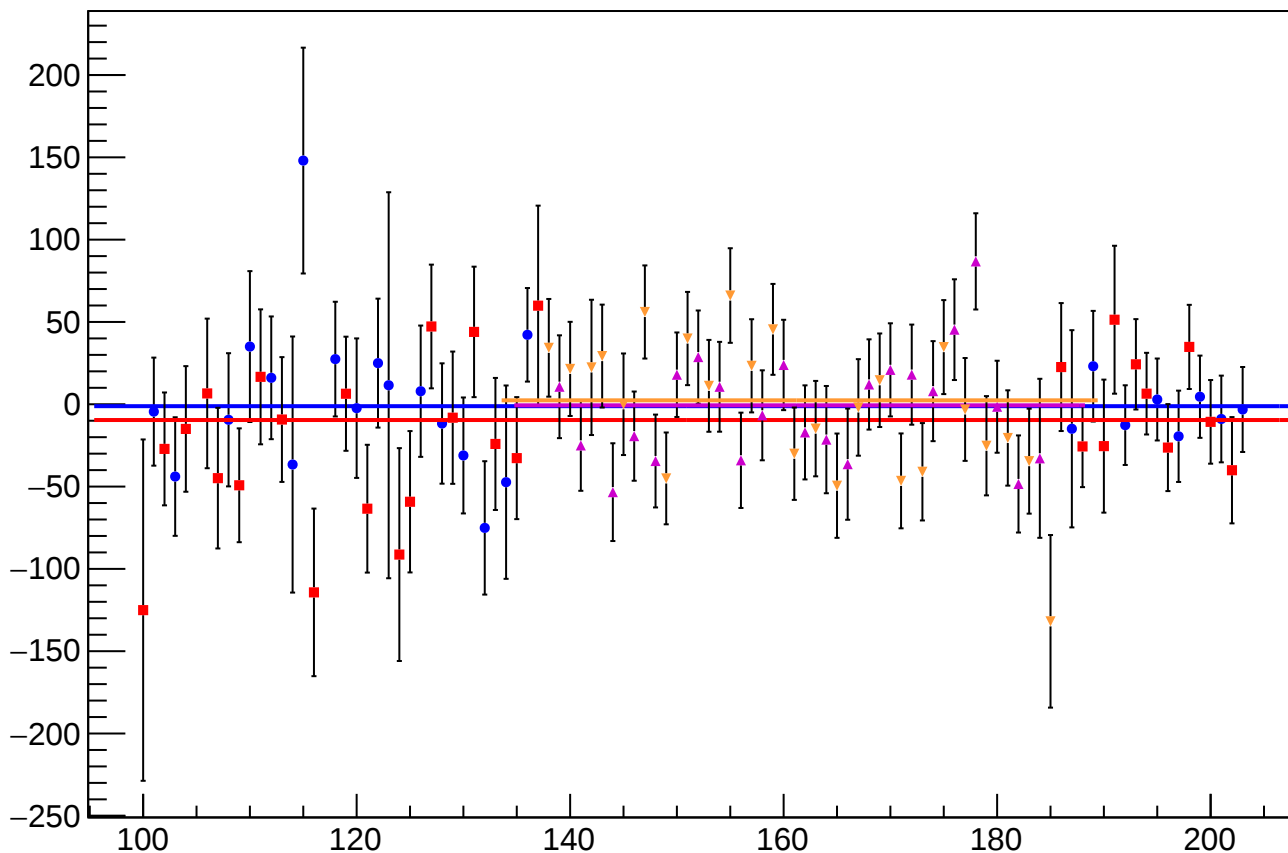
Left In: 182.158±0.032 χ^2/NDF :1535922.8/22

+ sign 189.505±0.025 χ^2/NDF : 4021276.0/49

All: 184.142±0.017 χ^2/NDF : 8334793.4/100

- sign 179.267±0.024 χ^2/NDF : 4227922.6/51

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.160 ± 6.960 χ^2/NDF : 16.9/24

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -9.573 ± 6.613 χ^2/NDF : 28.6/28

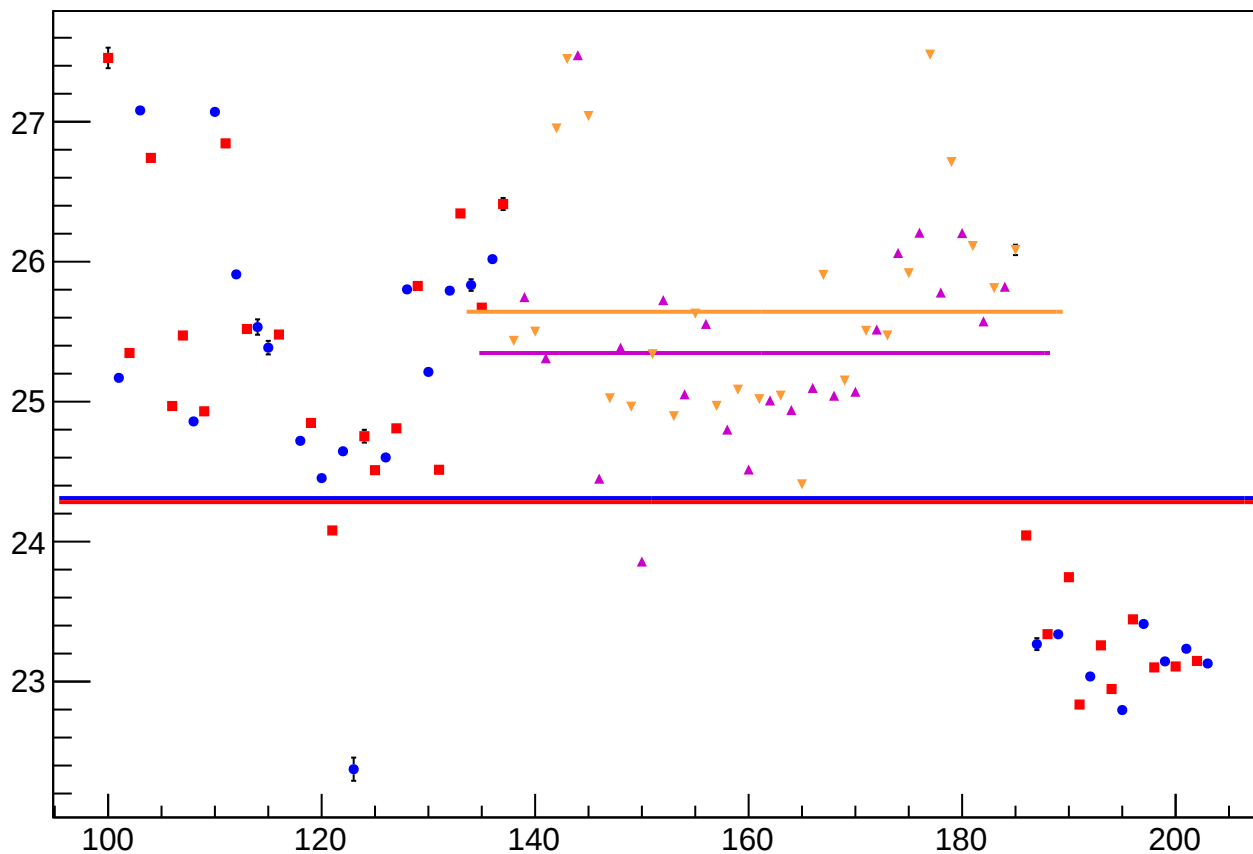
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 0.882 ± 4.536 χ^2/NDF : 56.2/49

All: -1.964 ± 3.187 χ^2/NDF : 113.9/101

- sign -4.741 ± 4.480 χ^2/NDF : 57.0/51

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.311 ± 0.005 $\chi^2/\text{NDF}: 71690.8/24$

Left Out: 25.642 ± 0.004 $\chi^2/\text{NDF}: 34802.2/24$

Right Out: 24.282 ± 0.005 $\chi^2/\text{NDF}: 67626.3/28$

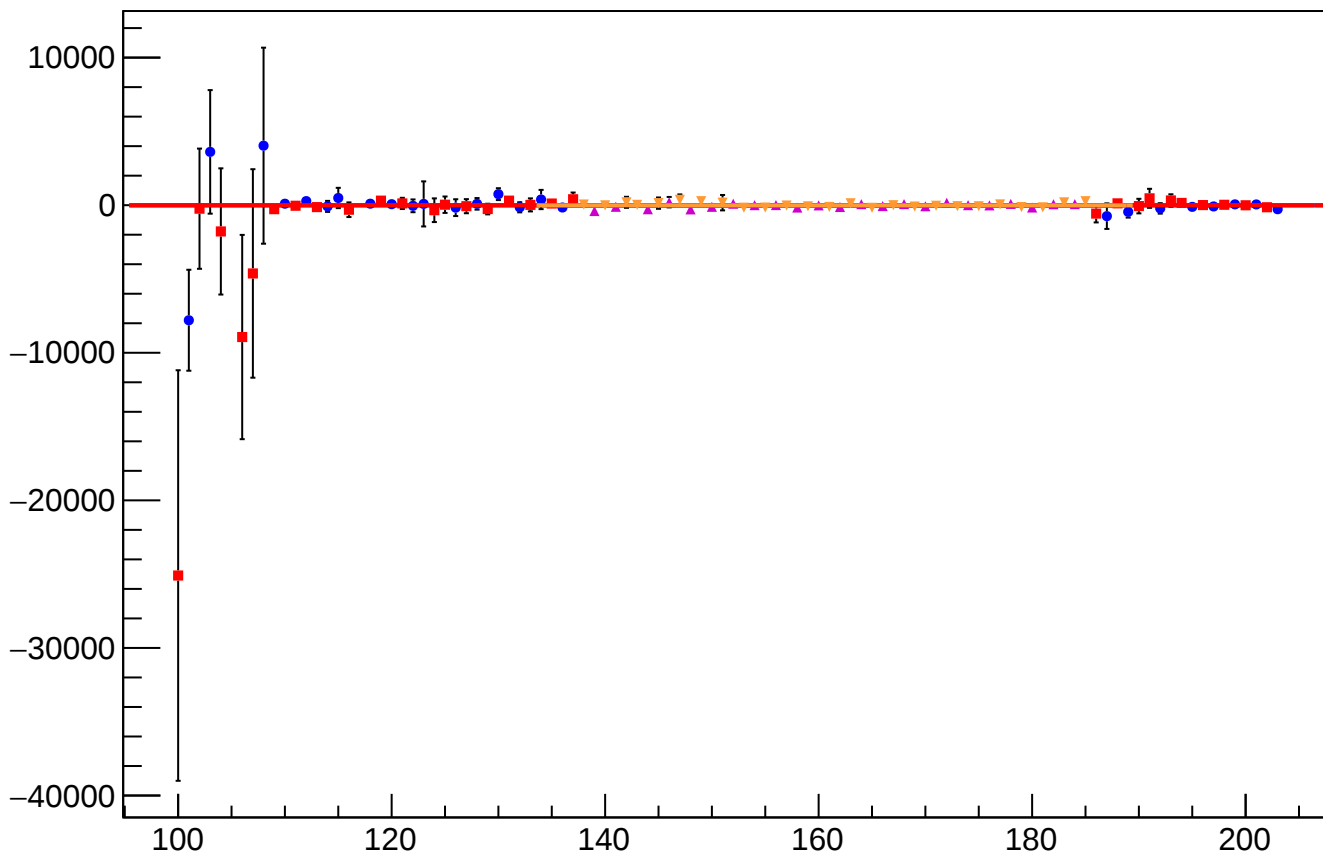
Left In: 25.347 ± 0.004 $\chi^2/\text{NDF}: 29389.5/22$

+ sign 25.077 ± 0.003 $\chi^2/\text{NDF}: 148579.5/49$

All: 24.966 ± 0.002 $\chi^2/\text{NDF}: 276026.0/101$

- sign 24.858 ± 0.003 $\chi^2/\text{NDF}: 125095.5/51$

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -18.250 ± 56.021 χ^2/NDF : 19.0/24

Left Out: -11.432 ± 48.263 χ^2/NDF : 8.0/24

Right Out: 3.896 ± 55.344 χ^2/NDF : 15.1/28

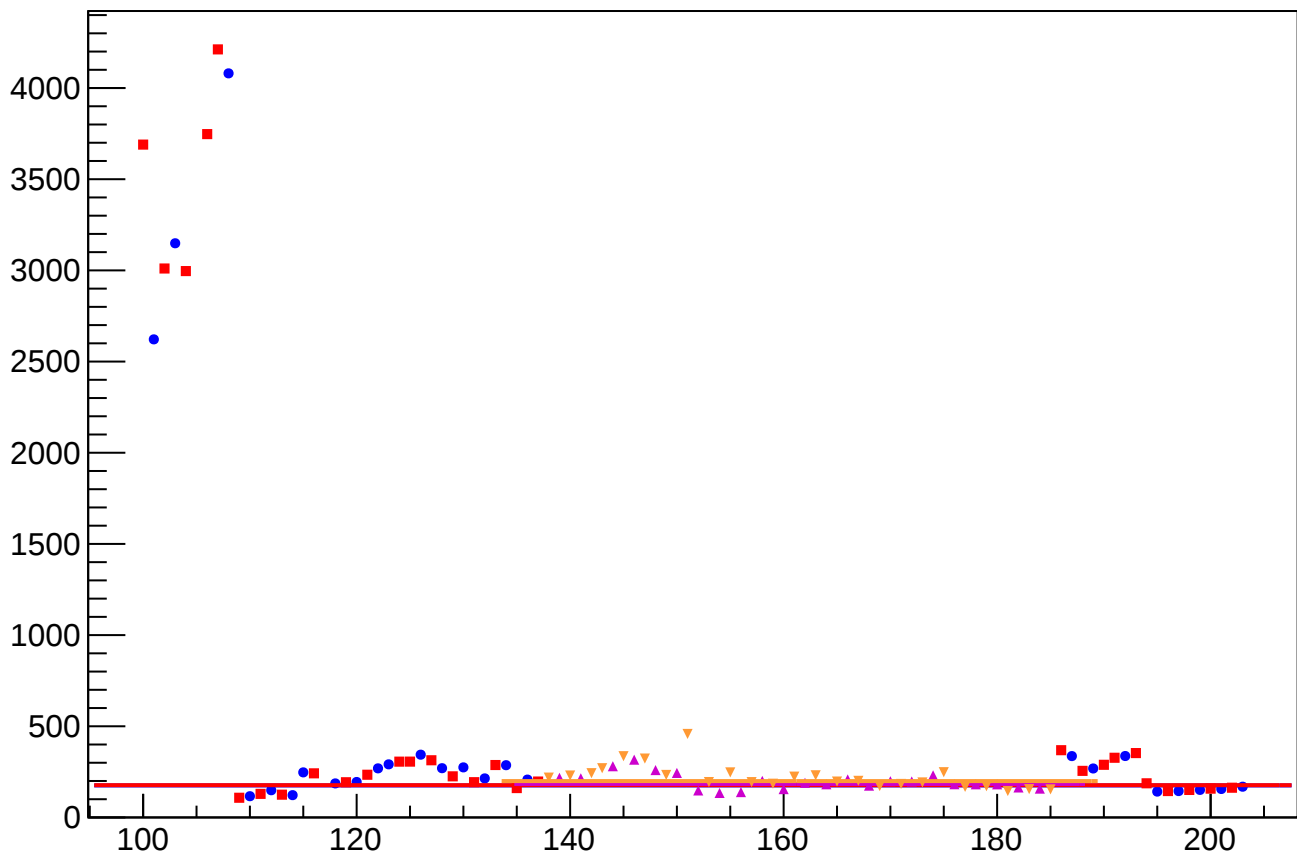
Left In: -27.098 ± 45.999 χ^2/NDF : 7.2/22

+ sign -14.337 ± 36.565 χ^2/NDF : 27.0/49

All: -14.387 ± 25.424 χ^2/NDF : 49.5/101

- sign -14.435 ± 35.375 χ^2/NDF : 22.5/51

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.494 $\pm$ 0.040 χ^2 /NDF: 4467821.7/24

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF: 1877848.7/24

Right Out: 176.949 $\pm$ 0.039 χ^2 /NDF: 5307354.4/28

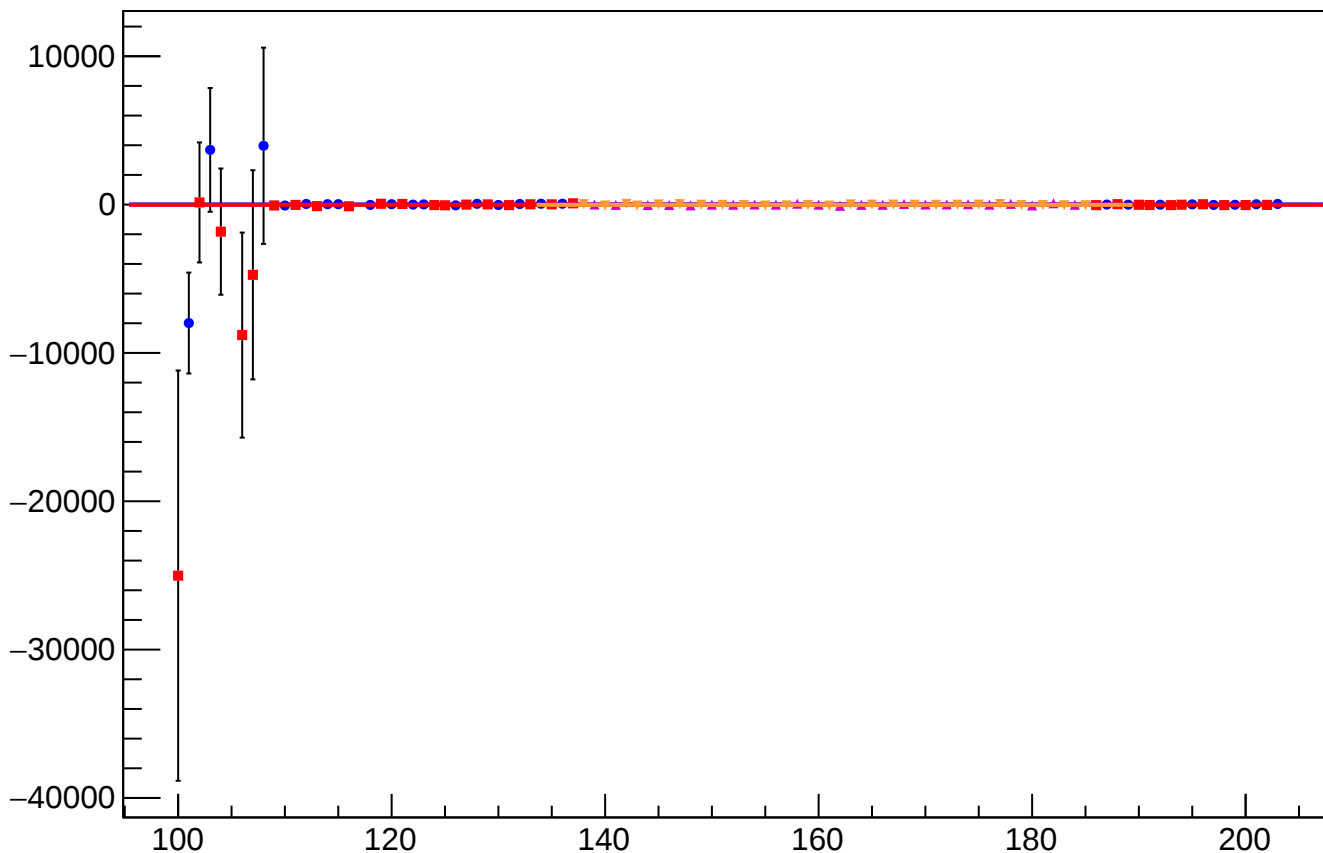
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 189.238 $\pm$ 0.026 χ^2 /NDF: 6555377.2/49

All: 184.985 $\pm$ 0.018 χ^2 /NDF: 13346141.3/10

- sign 181.004 $\pm$ 0.025 χ^2 /NDF: 6738378.9/51

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 7.995 ± 8.448 χ^2/NDF : 21.5/24

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -13.093 ± 8.167 χ^2/NDF : 28.7/28

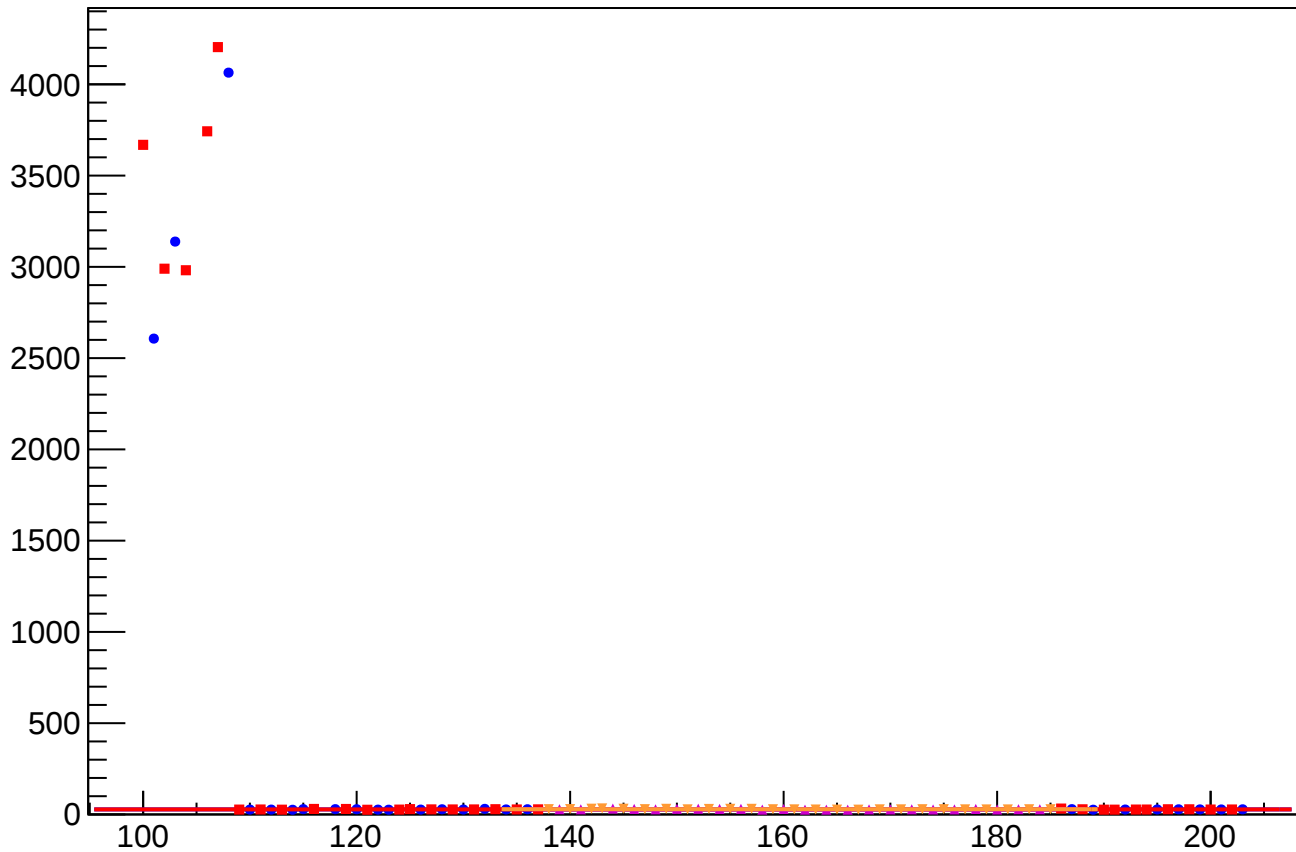
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -8.029 ± 5.251 χ^2/NDF : 49.1/49

All: -7.118 ± 3.721 χ^2/NDF : 111.1/101

- sign -6.199 ± 5.274 χ^2/NDF : 61.9/51

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.652 $\pm$ 0.006 χ^2 /NDF: 3035001.3/24

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.649 $\pm$ 0.006 χ^2 /NDF: 3502501.2/28

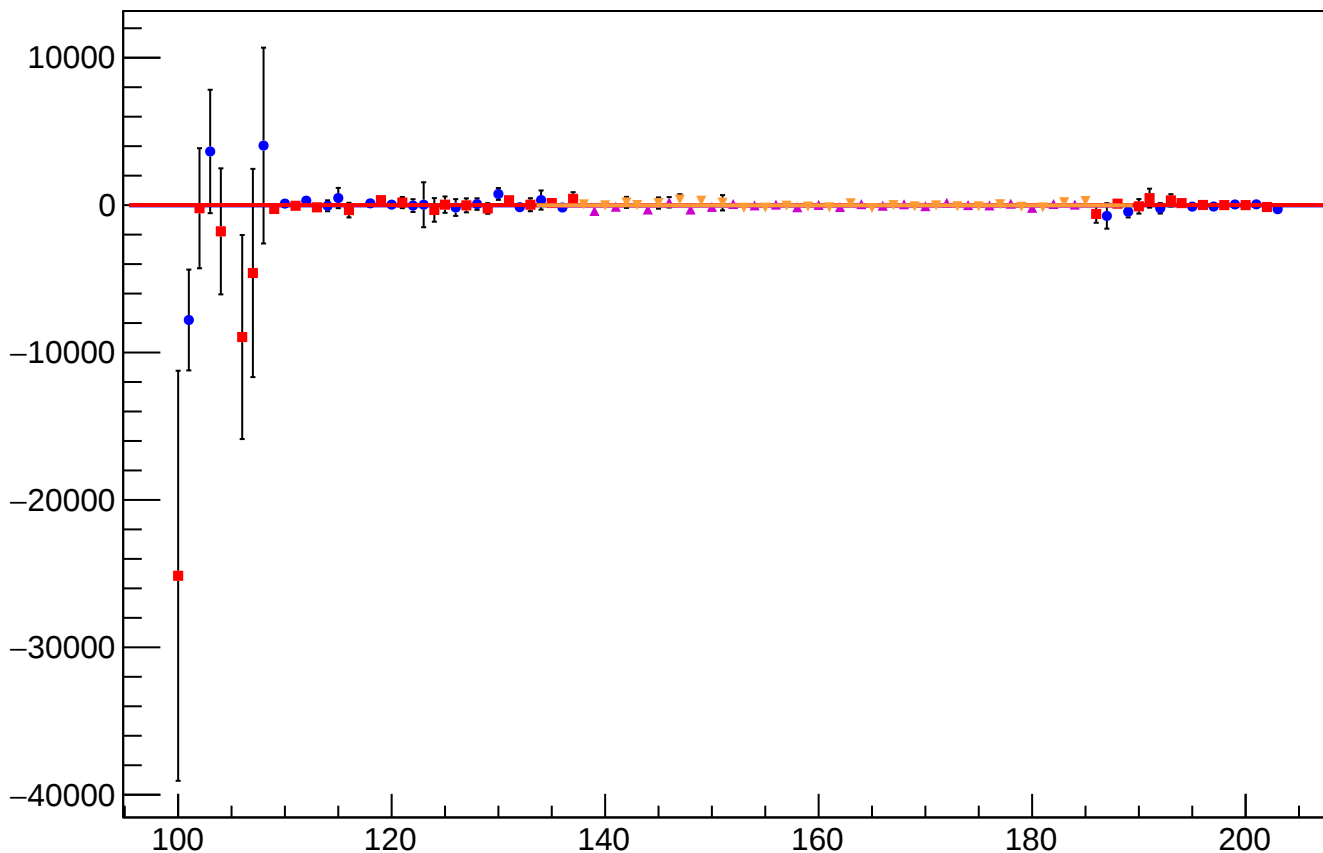
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.291 $\pm$ 0.004 χ^2 /NDF: 3164116.5/49

All: 28.270 $\pm$ 0.003 χ^2 /NDF: 6808961.9/101

- sign 28.248 $\pm$ 0.004 χ^2 /NDF: 3644778.0/51

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -16.808 ± 55.842 χ^2/NDF : 19.2/24

Left Out: -13.878 ± 48.155 χ^2/NDF : 8.8/24

Right Out: 5.179 ± 55.187 χ^2/NDF : 15.8/28

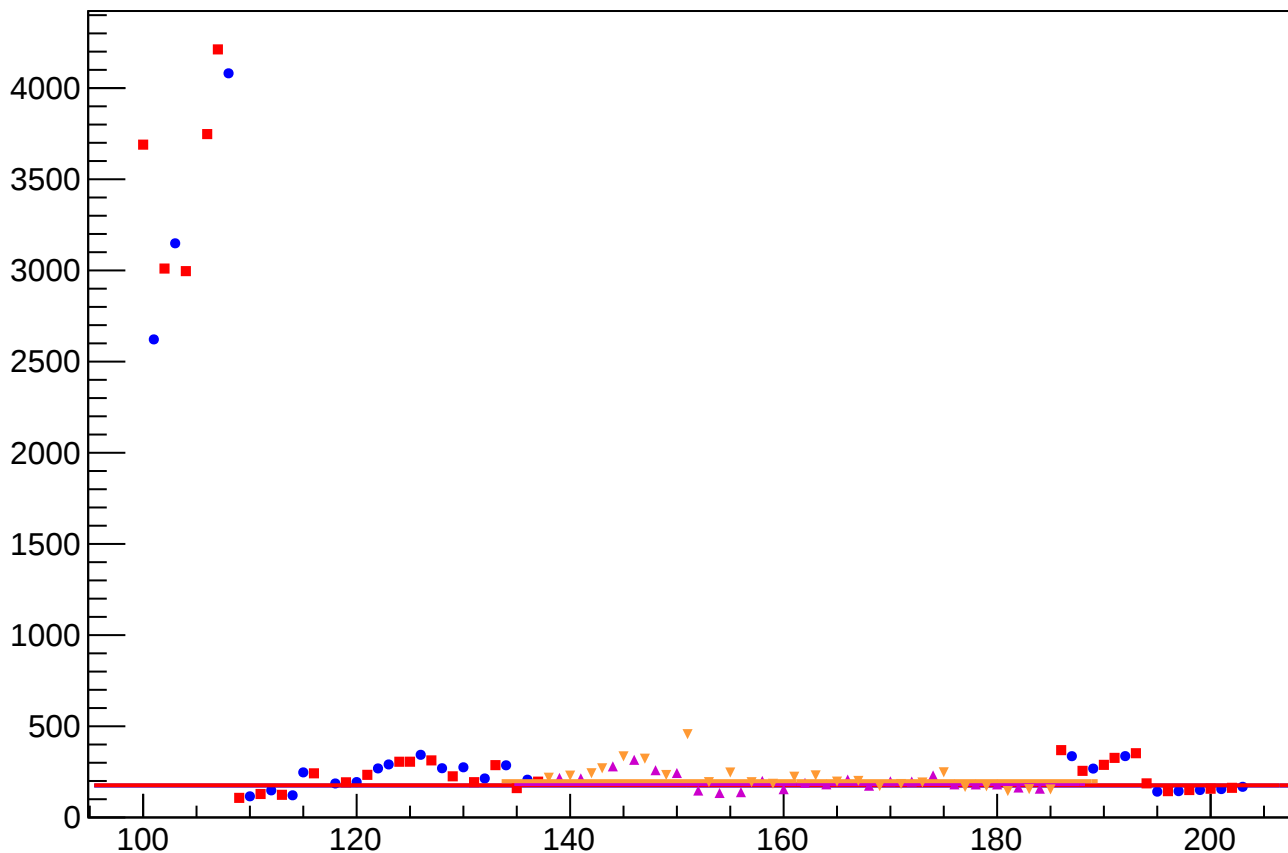
Left In: -27.286 ± 45.907 χ^2/NDF : 7.5/22

+ sign -15.128 ± 36.468 χ^2/NDF : 28.1/49

All: -14.550 ± 25.361 χ^2/NDF : 51.5/101

- sign -14.009 ± 35.293 χ^2/NDF : 23.4/51

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.875 $\pm$ 0.039 χ^2 /NDF: 4481345.0/24

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 176.375 $\pm$ 0.039 χ^2 /NDF: 5324856.0/28

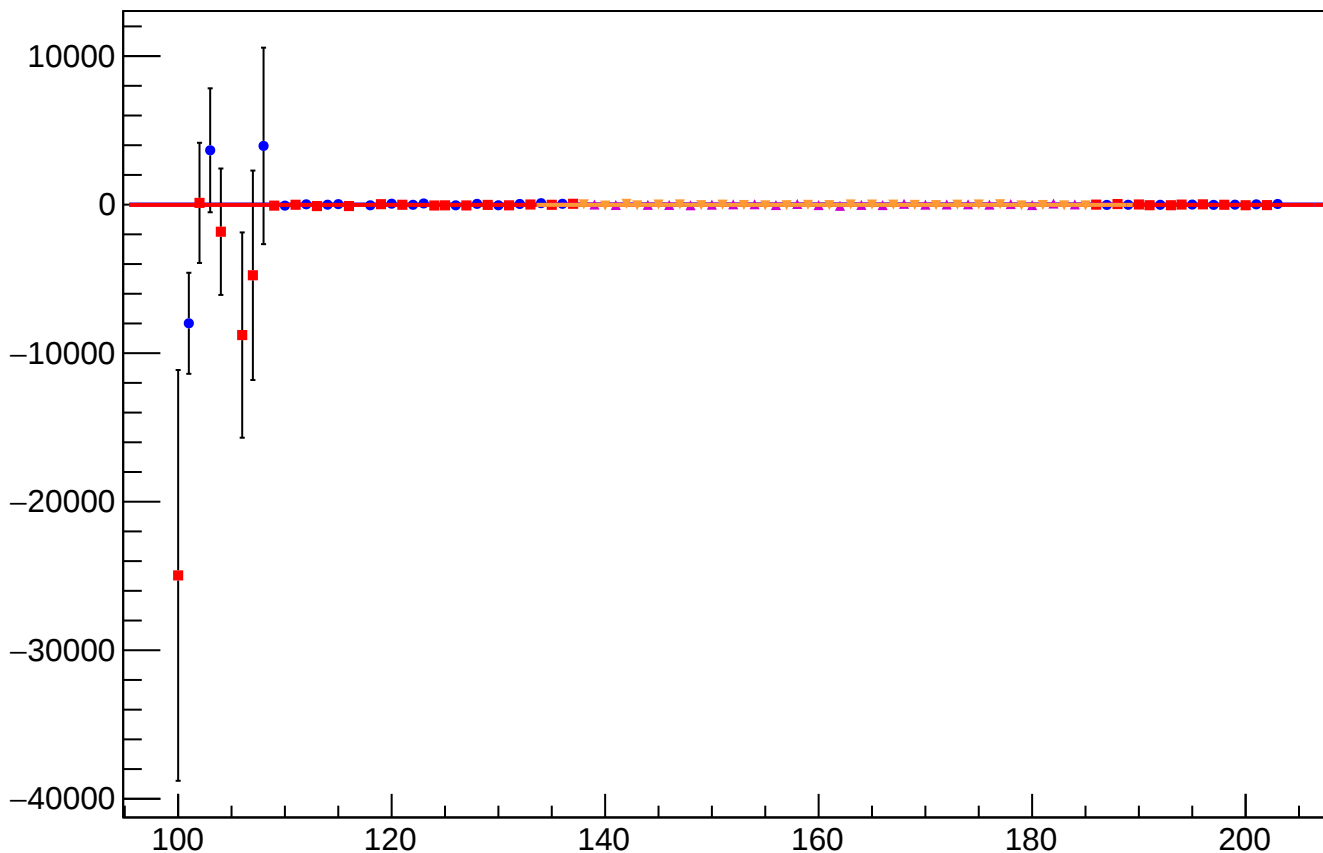
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 188.709 $\pm$ 0.026 χ^2 /NDF: 6573001.1/49

All: 184.497 $\pm$ 0.018 χ^2 /NDF: 13381252.3/10

- sign 180.552 $\pm$ 0.025 χ^2 /NDF: 6756578.0/51

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.626 $\pm$ 8.441 χ^2 /NDF: 25.5/24

Left Out: -15.829 $\pm$ 6.733 χ^2 /NDF:16.5/24

Right Out: -16.484 $\pm$ 8.172 χ^2 /NDF: 24.5/28

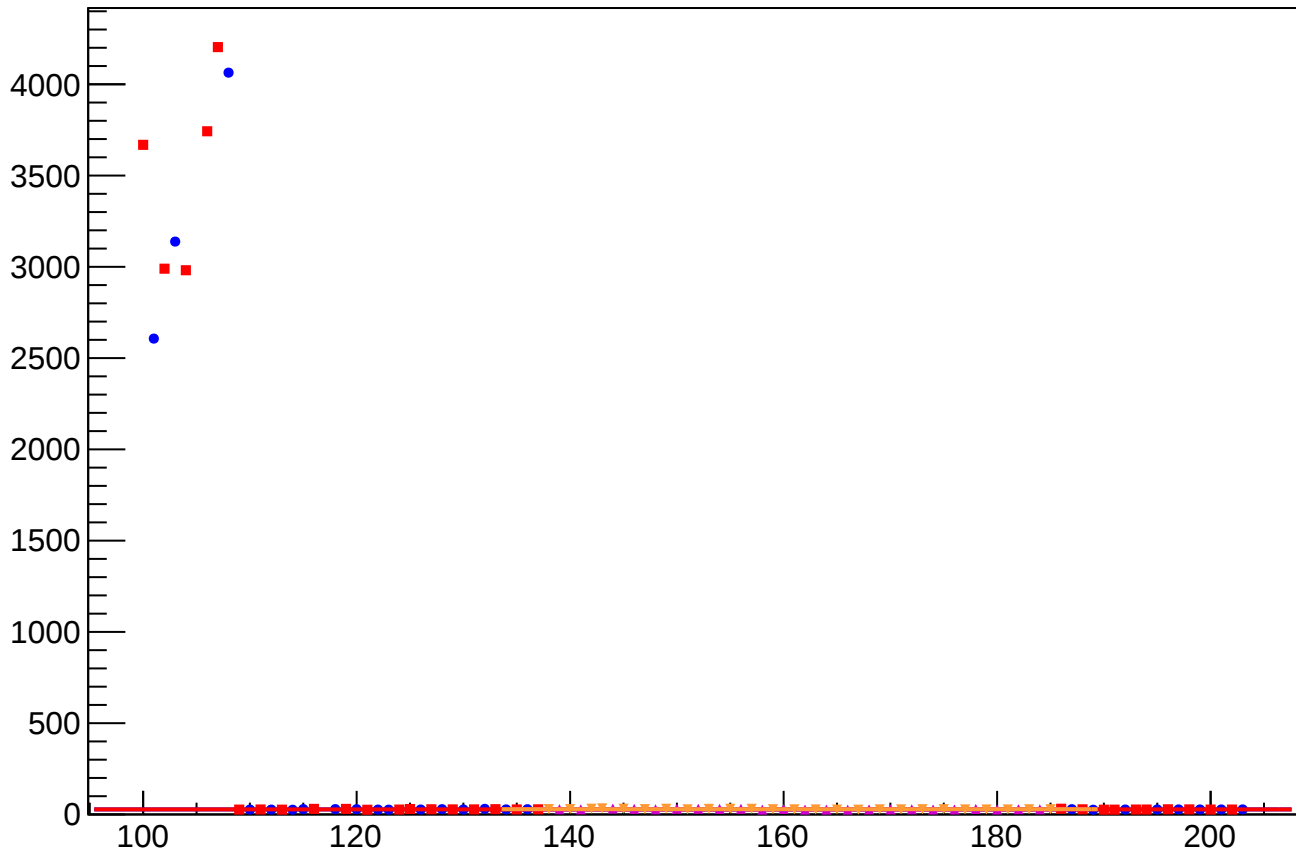
Left In: 0.498 $\pm$ 6.937 χ^2 /NDF:26.1/22

+ sign -7.098 $\pm$ 5.264 χ^2 /NDF: 46.3/49

All: -6.857 $\pm$ 3.731 χ^2 /NDF: 99.4/101

- sign -6.614 $\pm$ 5.288 χ^2 /NDF: 53.1/51

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.626 $\pm$ 0.006 χ^2 /NDF: 3036574.1/24

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.666 $\pm$ 0.006 χ^2 /NDF: 3500718.6/28

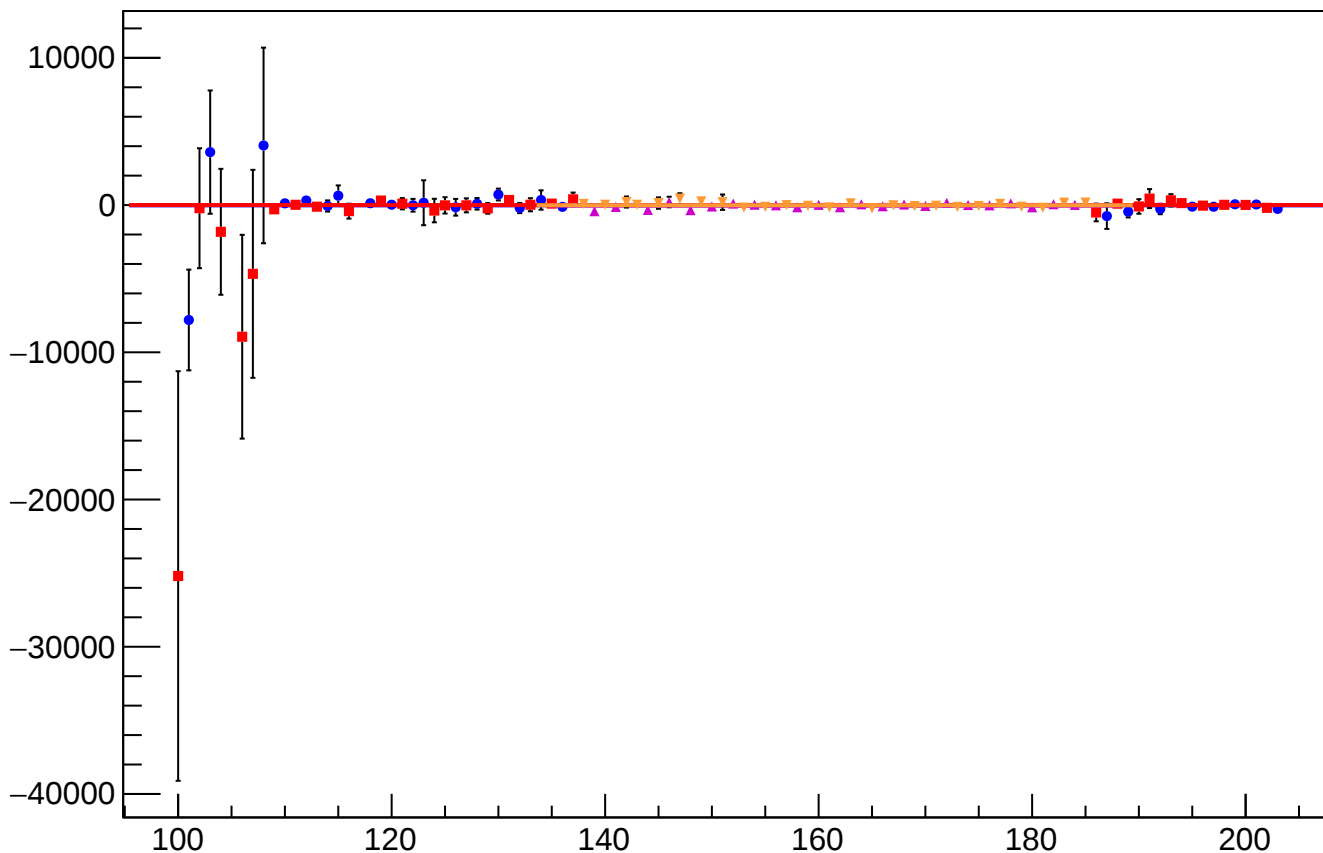
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.352 $\pm$ 0.004 χ^2 /NDF: 3182949.7/49

All: 28.338 $\pm$ 0.003 χ^2 /NDF: 6834269.1/101

- sign 28.323 $\pm$ 0.004 χ^2 /NDF: 3651289.6/51

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -17.270 ± 56.257 χ^2/NDF : 19.4/24

Left Out: -13.966 ± 48.735 χ^2/NDF : 8.1/24

Right Out: -0.616 ± 55.648 χ^2/NDF : 15.3/28

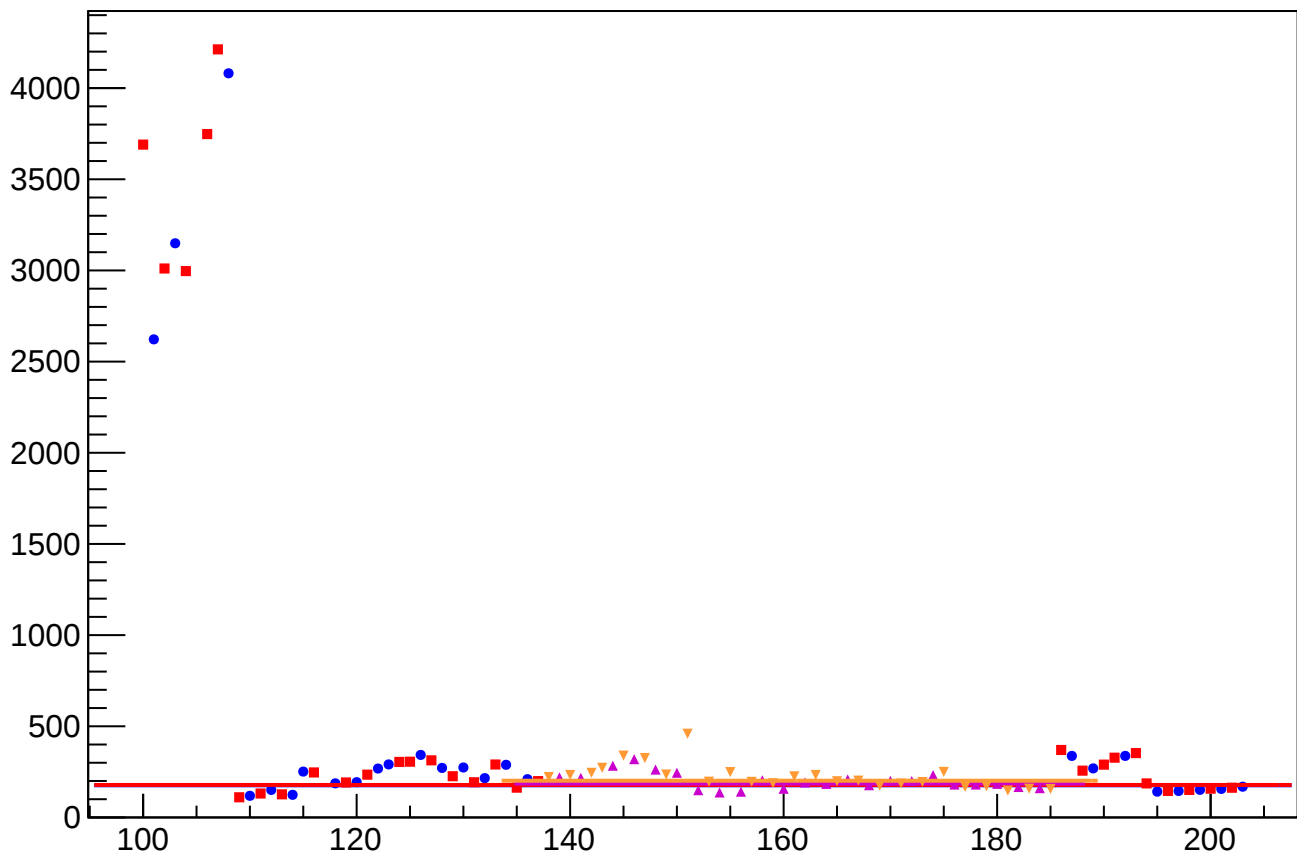
Left In: -31.477 ± 46.483 χ^2/NDF : 7.8/22

+ sign -15.382 ± 36.836 χ^2/NDF : 27.5/49

All: -17.143 ± 25.626 χ^2/NDF : 50.8/101

- sign -18.794 ± 35.675 χ^2/NDF : 23.3/51

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 176.317 $\pm$ 0.040 χ^2 /NDF: 4448057.8/24

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 178.141 $\pm$ 0.039 χ^2 /NDF: 5262336.6/28

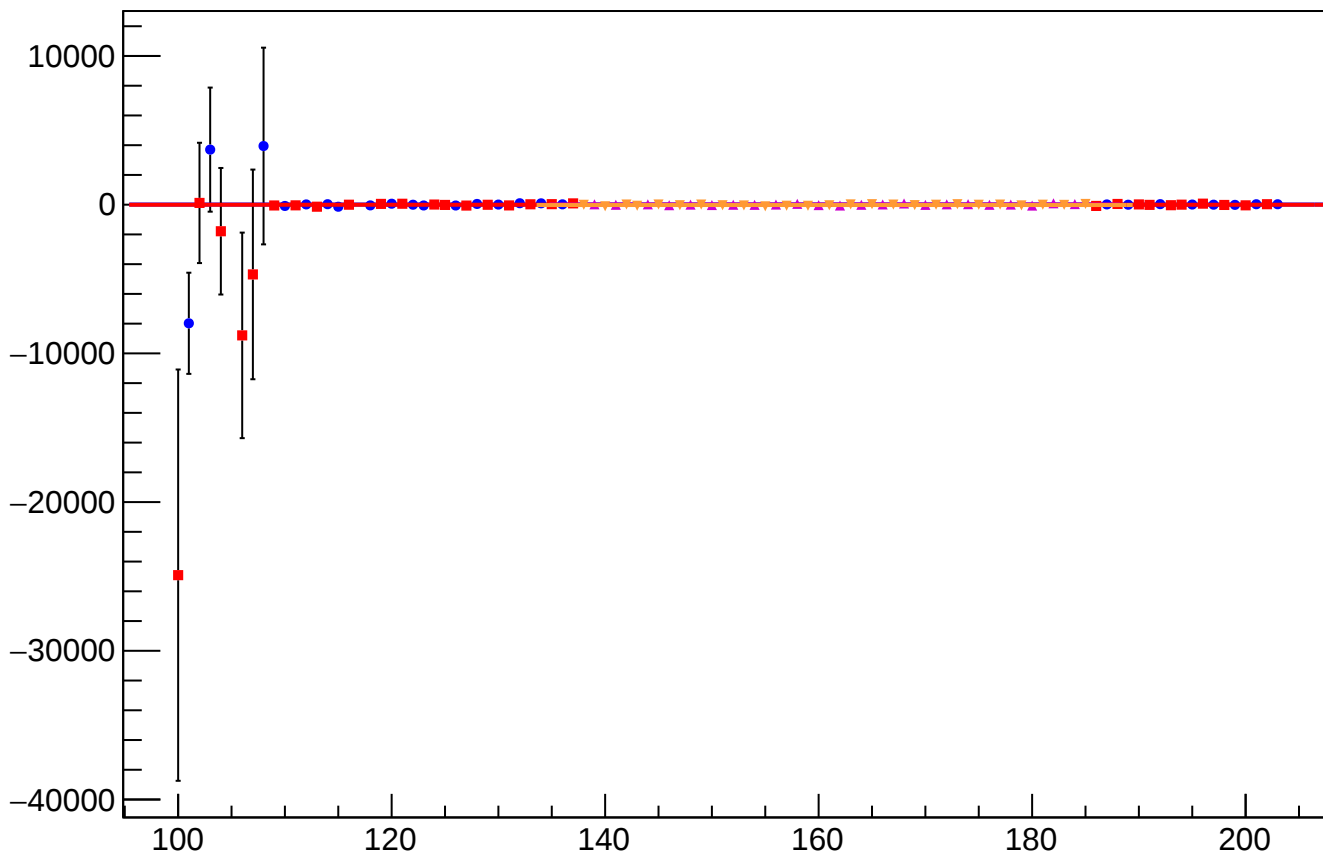
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 190.705 $\pm$ 0.026 χ^2 /NDF: 6531957.1/49

All: 186.574 $\pm$ 0.018 χ^2 /NDF: 13246706.3/10

- sign 182.699 $\pm$ 0.025 χ^2 /NDF: 6665989.9/51

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 10.173+/-10.289 χ^2/NDF : 21.8/24

Left Out: -24.144+/-8.076 χ^2/NDF :24.9/24

Right Out: -4.445+/-9.948 χ^2/NDF : 31.7/28

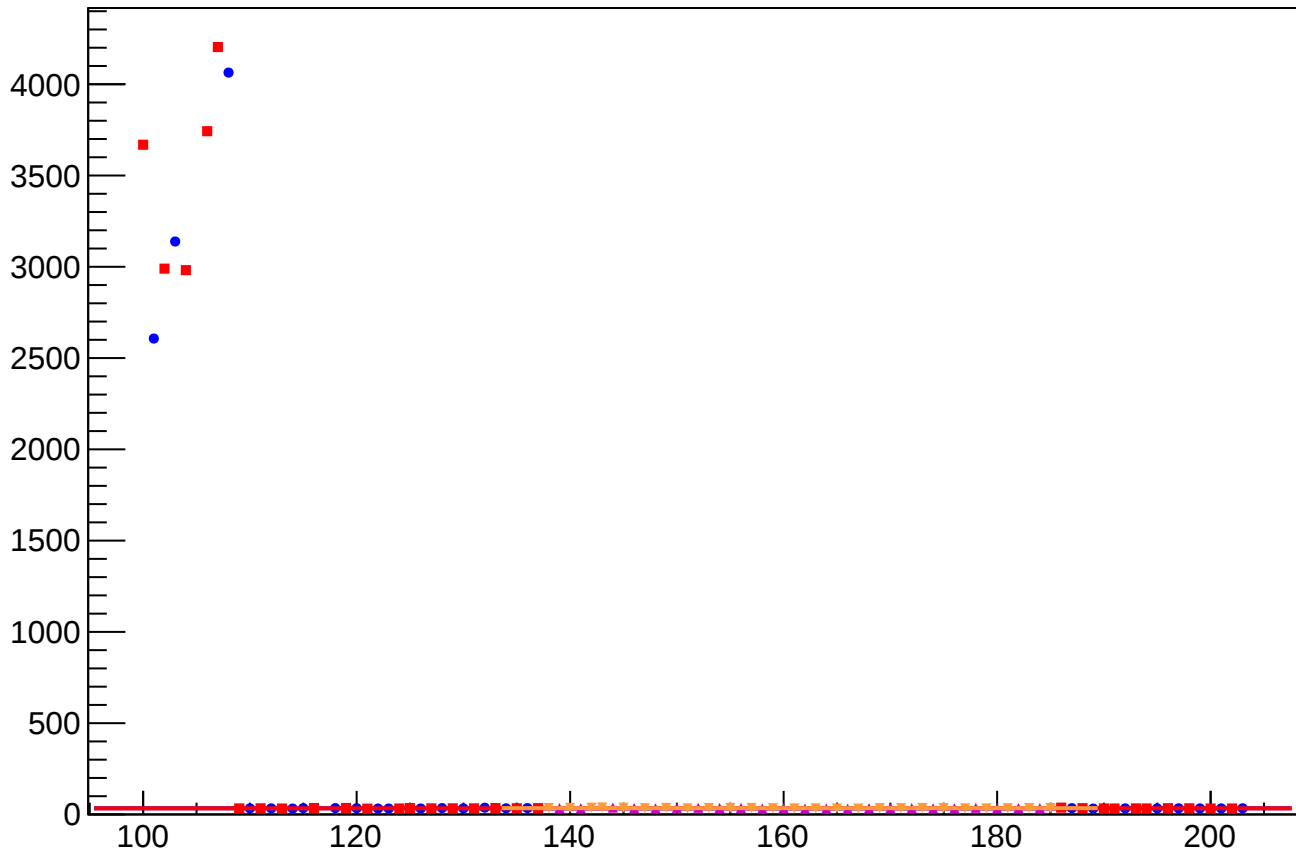
Left In: 5.924+/-8.340 χ^2/NDF :21.0/22

+ sign -11.060+/-6.353 χ^2/NDF : 53.5/49

All: -4.746+/-4.506 χ^2/NDF : 108.8/101

- sign 1.644+/-6.391 χ^2/NDF : 53.3/51

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.697 $\pm$ 0.007 χ^2 /NDF: 3011948.2/24

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.728 $\pm$ 0.007 χ^2 /NDF: 3465783.6/28

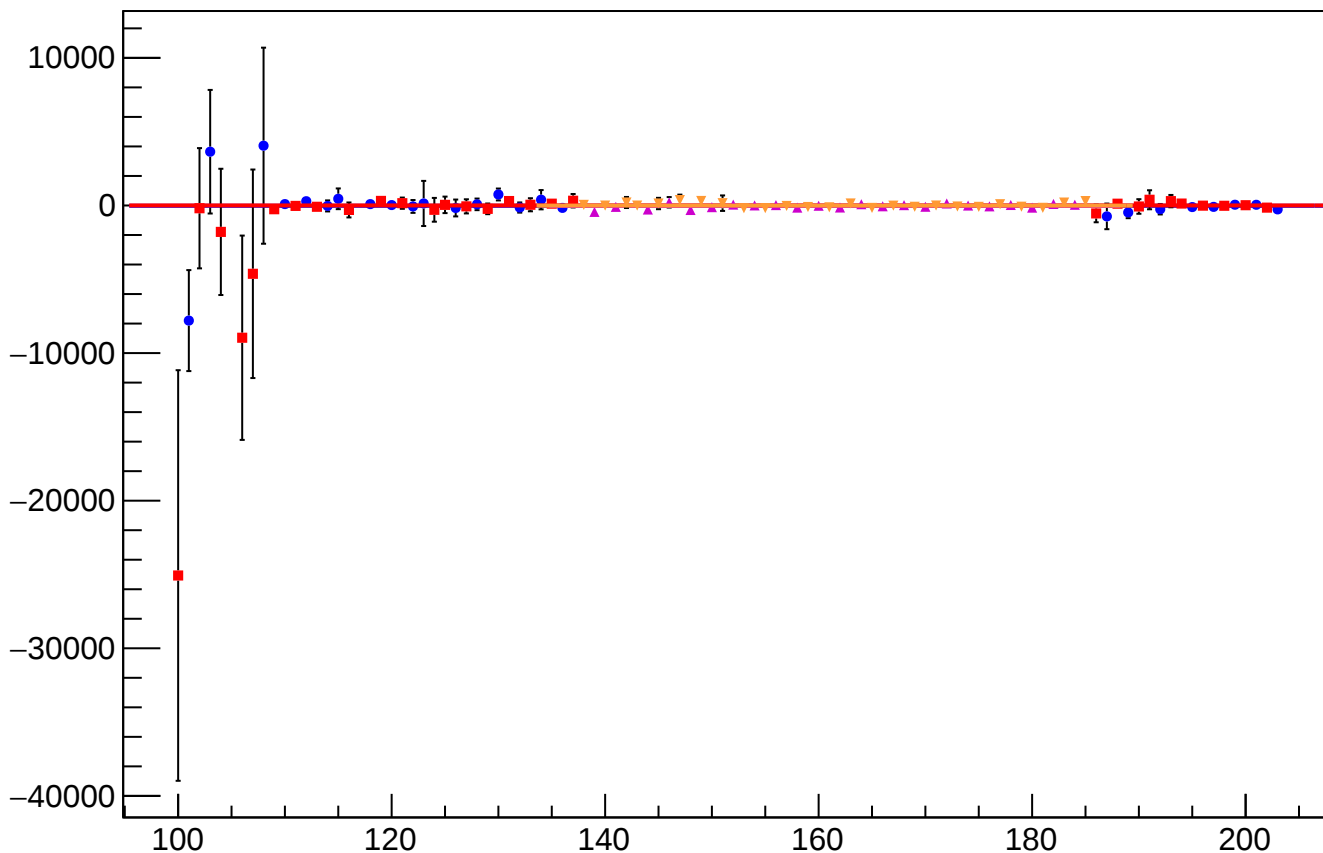
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.266 $\pm$ 0.004 χ^2 /NDF: 3079725.4/49

All: 34.277 $\pm$ 0.003 χ^2 /NDF: 6616157.4/101

- sign 34.288 $\pm$ 0.005 χ^2 /NDF: 3536420.6/51

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -21.174 ± 56.086 χ^2/NDF : 18.9/24

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 3.257 ± 55.411 χ^2/NDF : 13.8/28

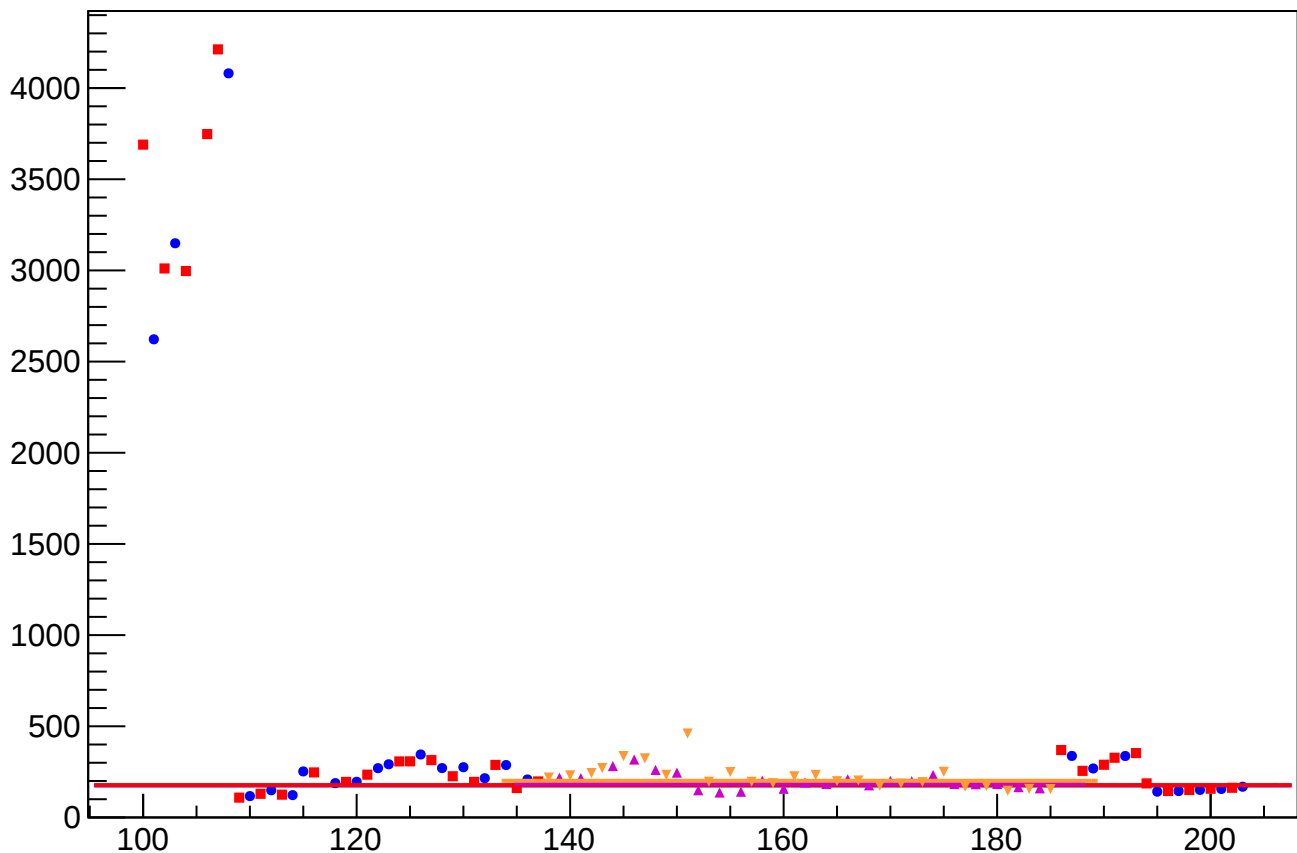
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -13.406 ± 36.756 χ^2/NDF : 27.7/49

All: -16.402 ± 25.566 χ^2/NDF : 48.9/101

- sign -19.210 ± 35.584 χ^2/NDF : 21.2/51

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.661 $\pm$ 0.040 χ^2 /NDF: 4477508.1/24

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF: 1848437.4/24

Right Out: 177.154 $\pm$ 0.039 χ^2 /NDF: 5312854.0/28

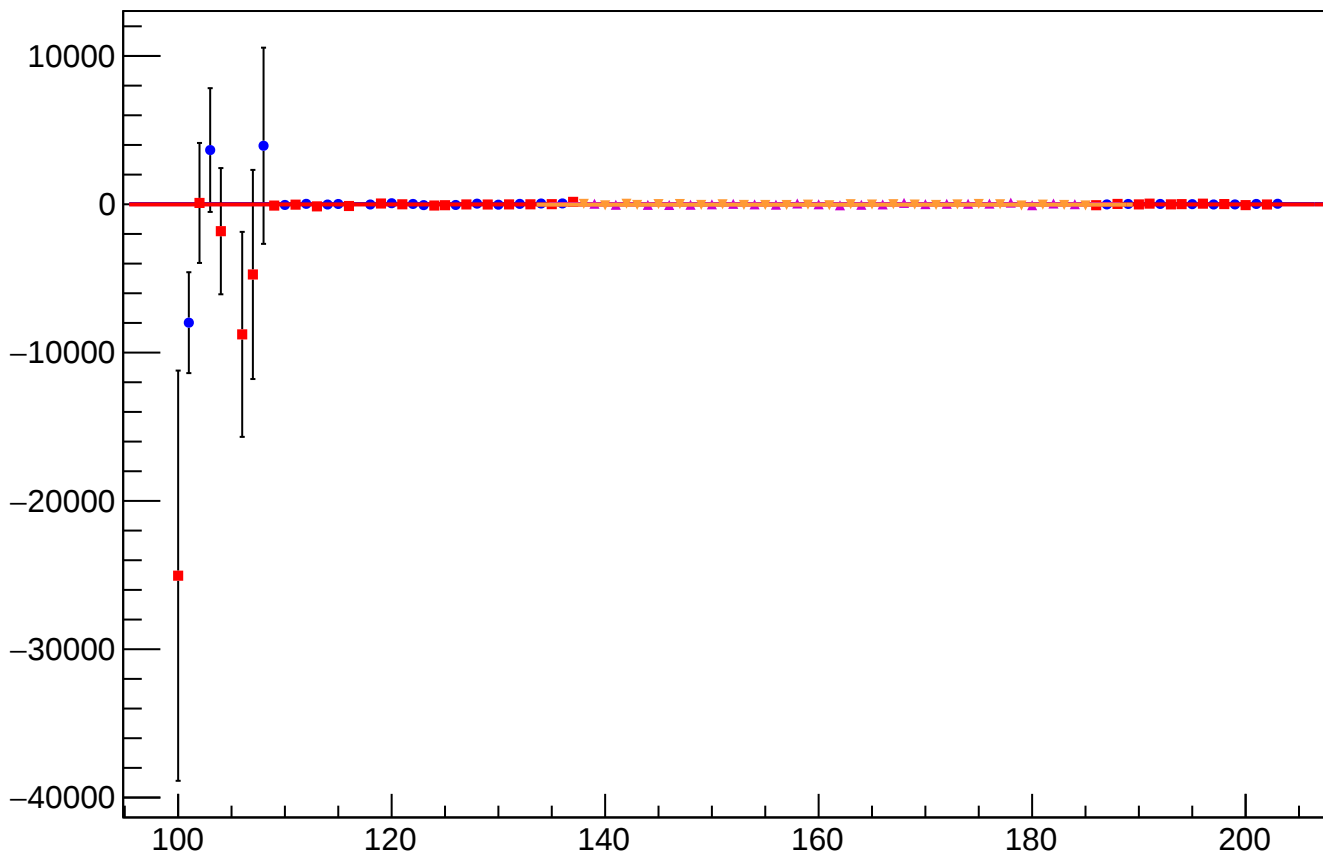
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 190.230 $\pm$ 0.026 χ^2 /NDF: 6562511.4/49

All: 186.051 $\pm$ 0.018 χ^2 /NDF: 13324363.4/10

- sign 182.133 $\pm$ 0.025 χ^2 /NDF: 6711746.4/51

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.937+/-9.328 χ^2 /NDF: 16.5/24

Left Out: -23.320+/-7.352 χ^2 /NDF:18.3/24

Right Out: -10.055+/-9.021 χ^2 /NDF: 36.1/28

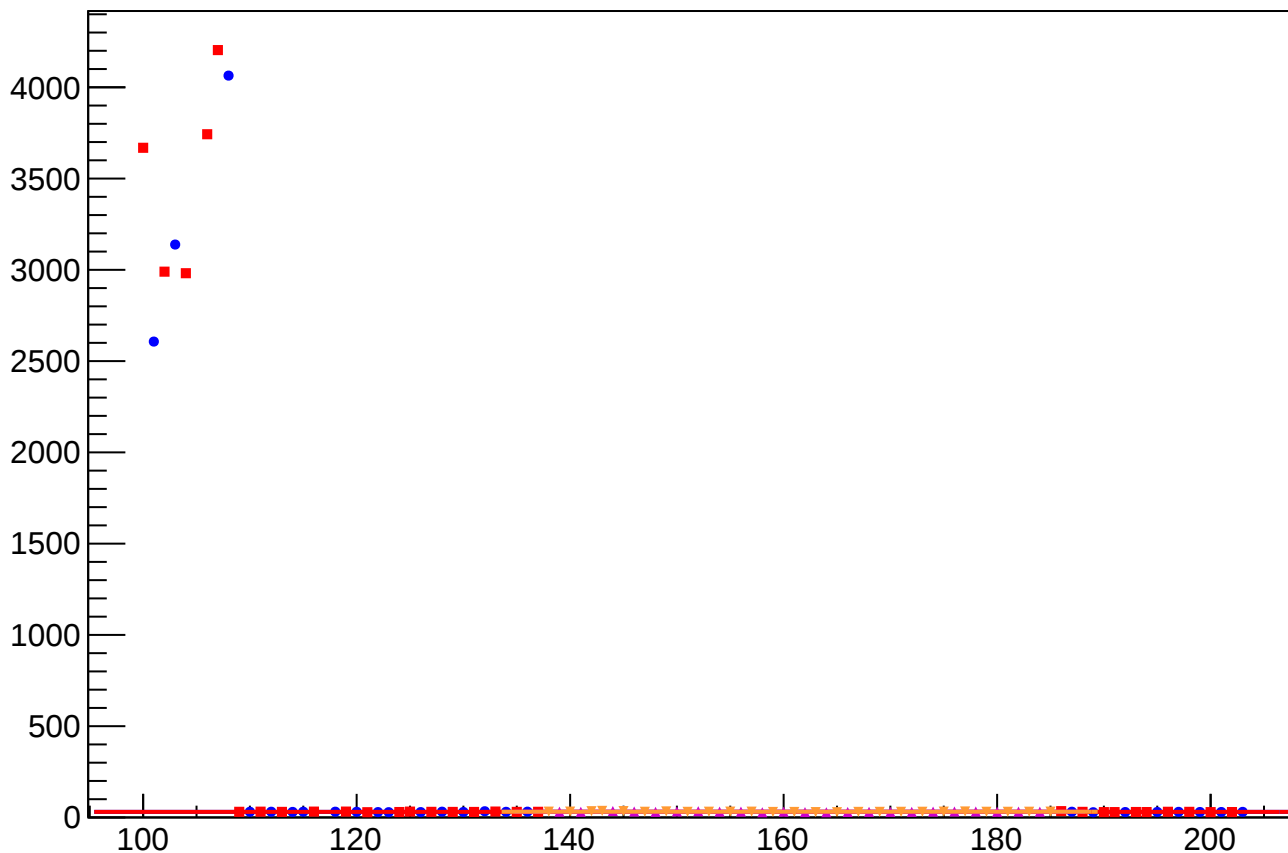
Left In: 6.386+/-7.577 χ^2 /NDF:38.7/22

+ sign -9.427+/-5.774 χ^2 /NDF: 44.2/49

All: -4.943+/-4.093 χ^2 /NDF: 122.2/101

- sign -0.414+/-5.802 χ^2 /NDF: 76.8/51

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.540 $\pm$ 0.007 χ^2 /NDF: 3026142.9/24

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.561 $\pm$ 0.006 χ^2 /NDF: 3480804.5/28

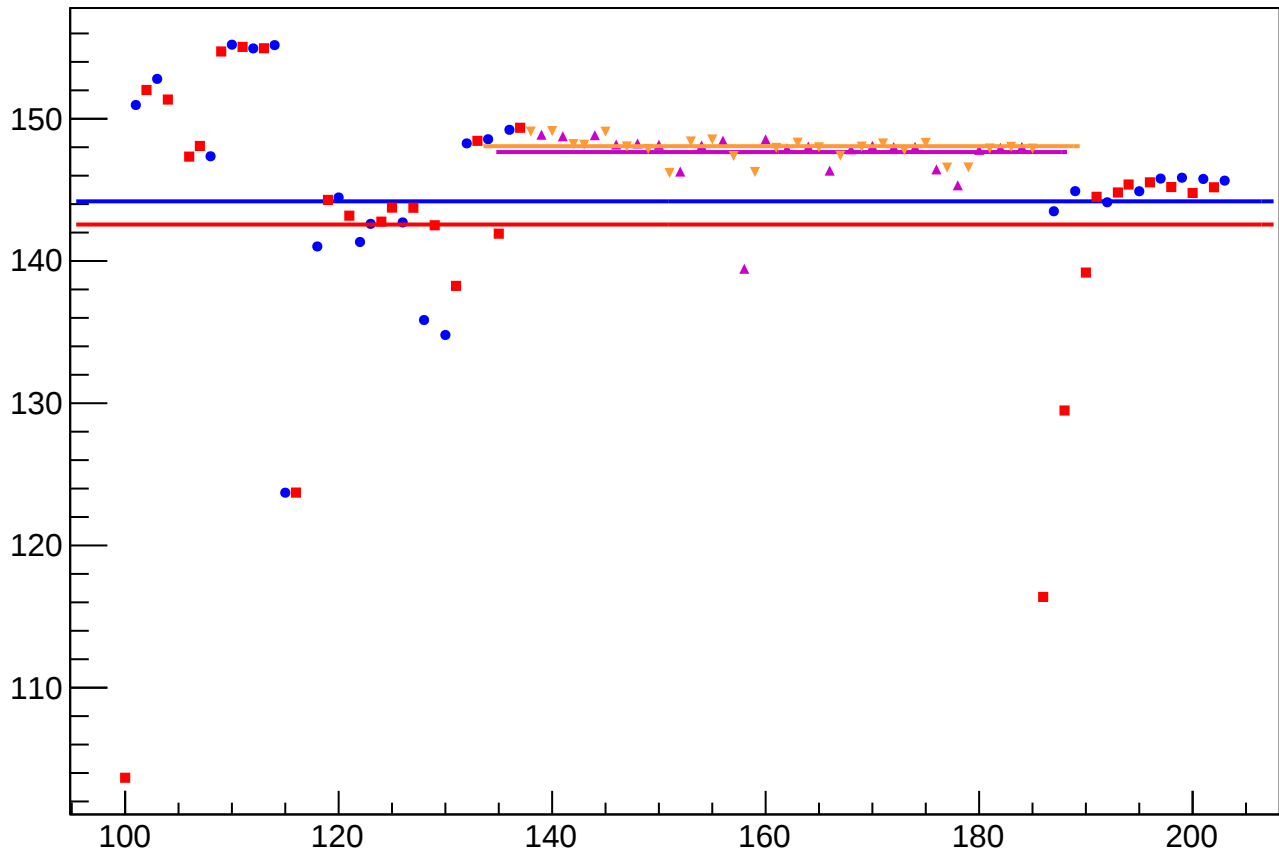
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.125 $\pm$ 0.004 χ^2 /NDF: 3120826.8/49

All: 31.111 $\pm$ 0.003 χ^2 /NDF: 6701505.8/101

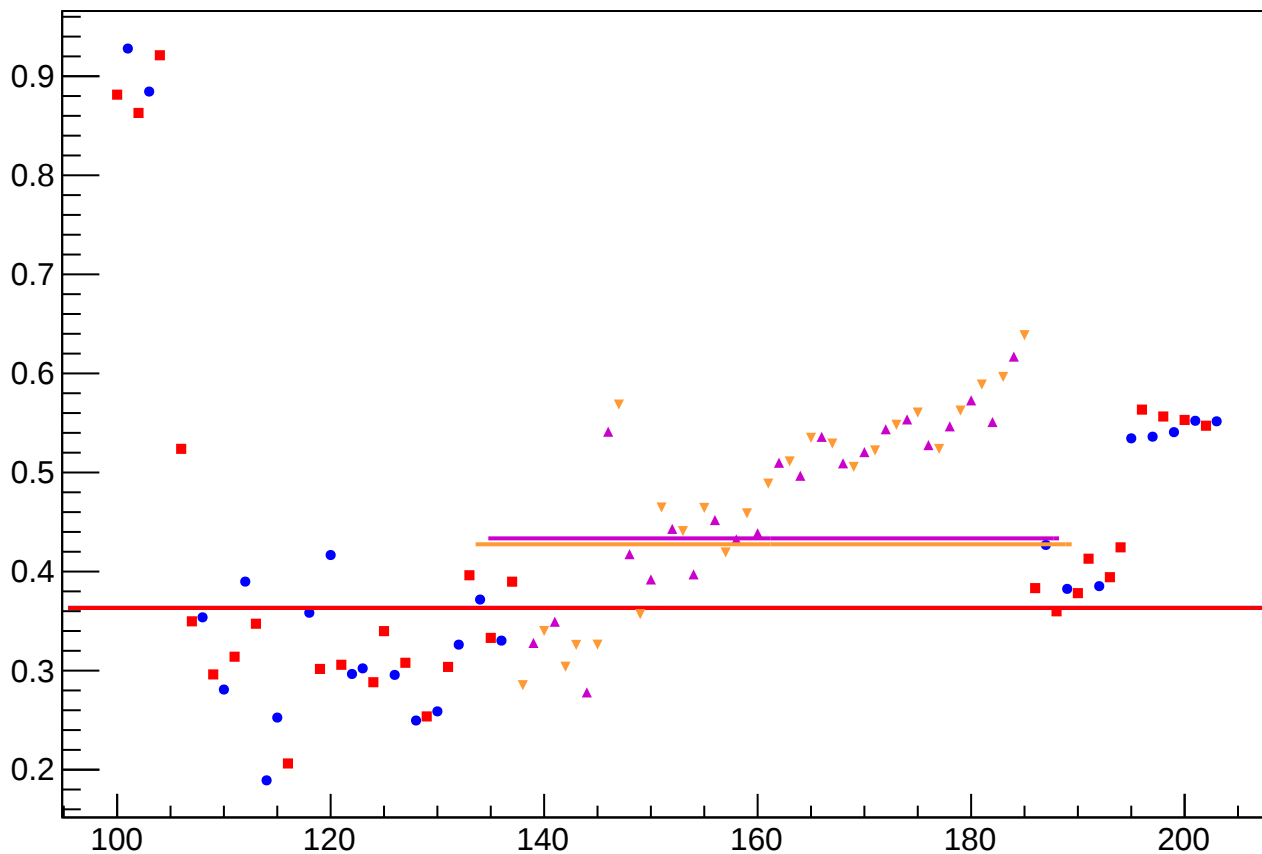
- sign 31.097 $\pm$ 0.004 χ^2 /NDF: 3580655.5/51

yield_bcm_an_ds_mean vs Slug



Right In: 144.196 $\pm$ 0.000	χ^2 /NDF: 3482731531.6/24	+ sign 146.303 $\pm$ 0.000	χ^2 /NDF: 4184564621.9/49
Left Out: 148.074 $\pm$ 0.000	χ^2 /NDF: 65673678.9/24	All: 145.689 $\pm$ 0.000	χ^2 /NDF: 13158797992.
Right Out: 142.565 $\pm$ 0.000	χ^2 /NDF: 7377403551.1/28	- sign 145.087 $\pm$ 0.000	χ^2 /NDF: 8847152041.7/51
Left In: 147.660 $\pm$ 0.000	χ^2 /NDF: 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.363 $\pm$ 0.000 χ^2 /NDF: 2348386.7/24

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.363 $\pm$ 0.000 χ^2 /NDF: 2147107.5/28

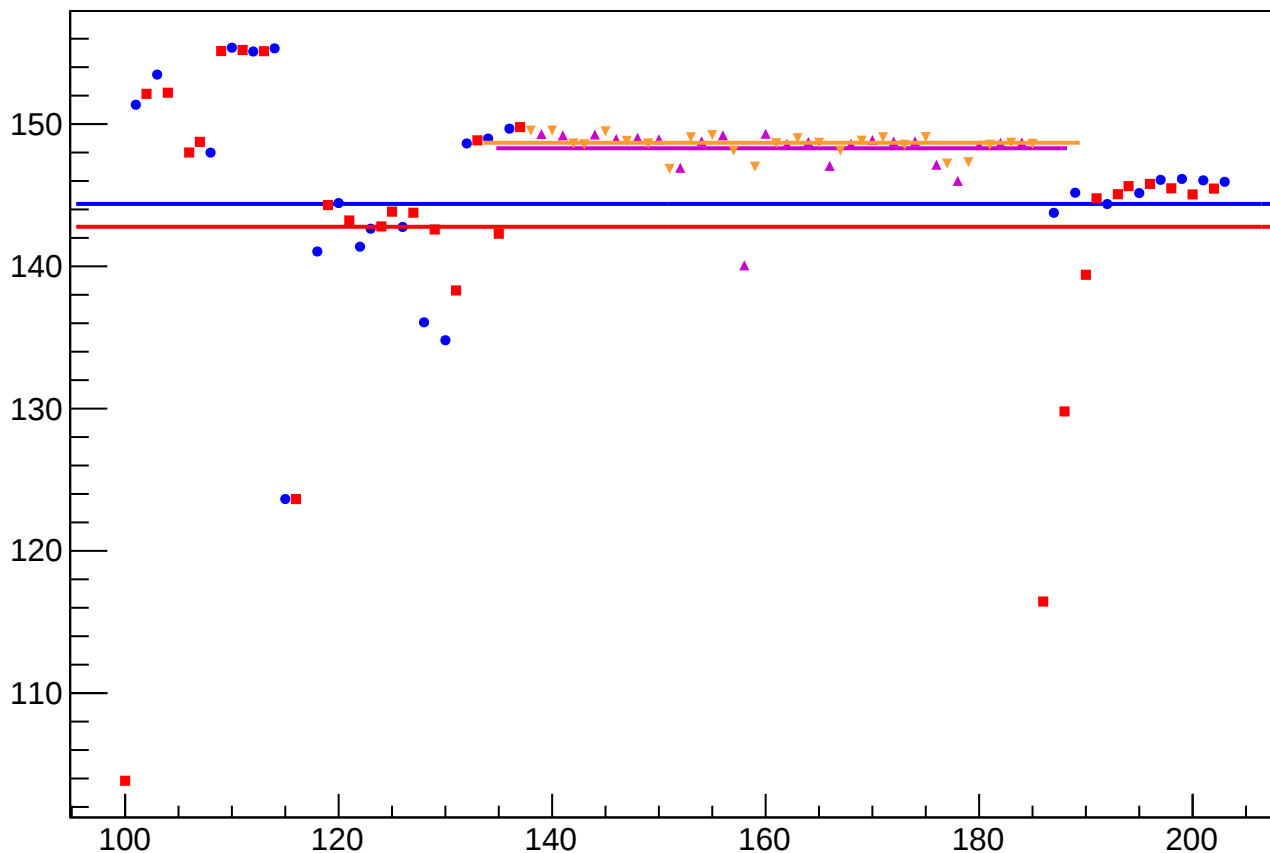
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.398 $\pm$ 0.000 χ^2 /NDF: 4588964.9/49

All: 0.398 $\pm$ 0.000 χ^2 /NDF: 8643339.1/101

- sign 0.398 $\pm$ 0.000 χ^2 /NDF: 4054367.0/51

yield_bcm_an_ds3_mean vs Slug



Right In: 144.387 $\pm$ 0.000 χ^2 /NDF: 3530706171.2/24

Left Out: 148.687 $\pm$ 0.000 χ^2 /NDF: 52285197.5/24

Right Out: 142.781 $\pm$ 0.000 χ^2 /NDF: 7324604314.2/28

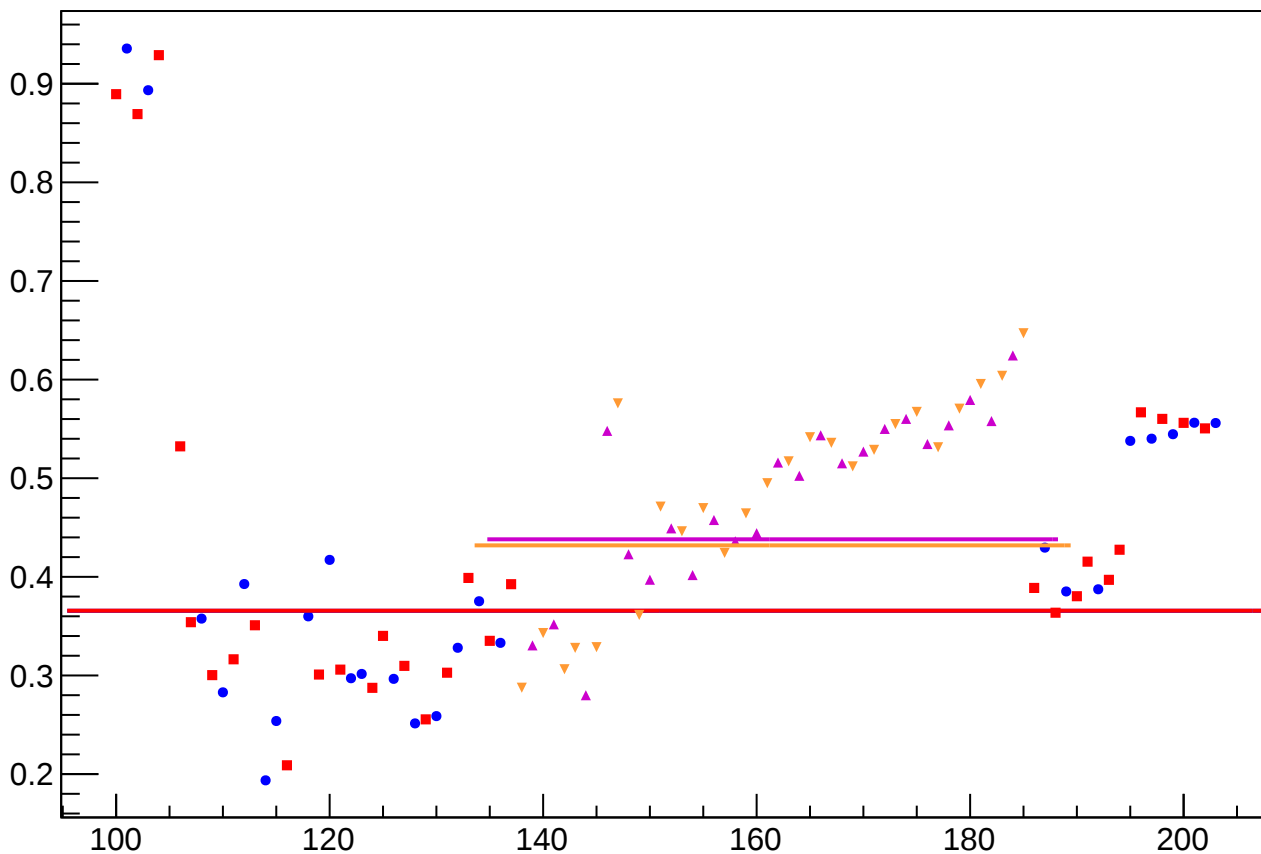
Left In: 148.298 $\pm$ 0.000 χ^2 /NDF: 332527463.6/22

+ sign 146.713 $\pm$ 0.000 χ^2 /NDF: 4352214974.1/49

All: 146.101 $\pm$ 0.000 χ^2 /NDF: 13430664002.1/100

- sign 145.500 $\pm$ 0.000 χ^2 /NDF: 8954003664.2/51

yield_bcm_an_ds3_rms vs Slug



Right In: 0.366 $\pm$ 0.000 χ^2 /NDF: 2354888.0/24

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.366 $\pm$ 0.000 χ^2 /NDF: 2150829.7/28

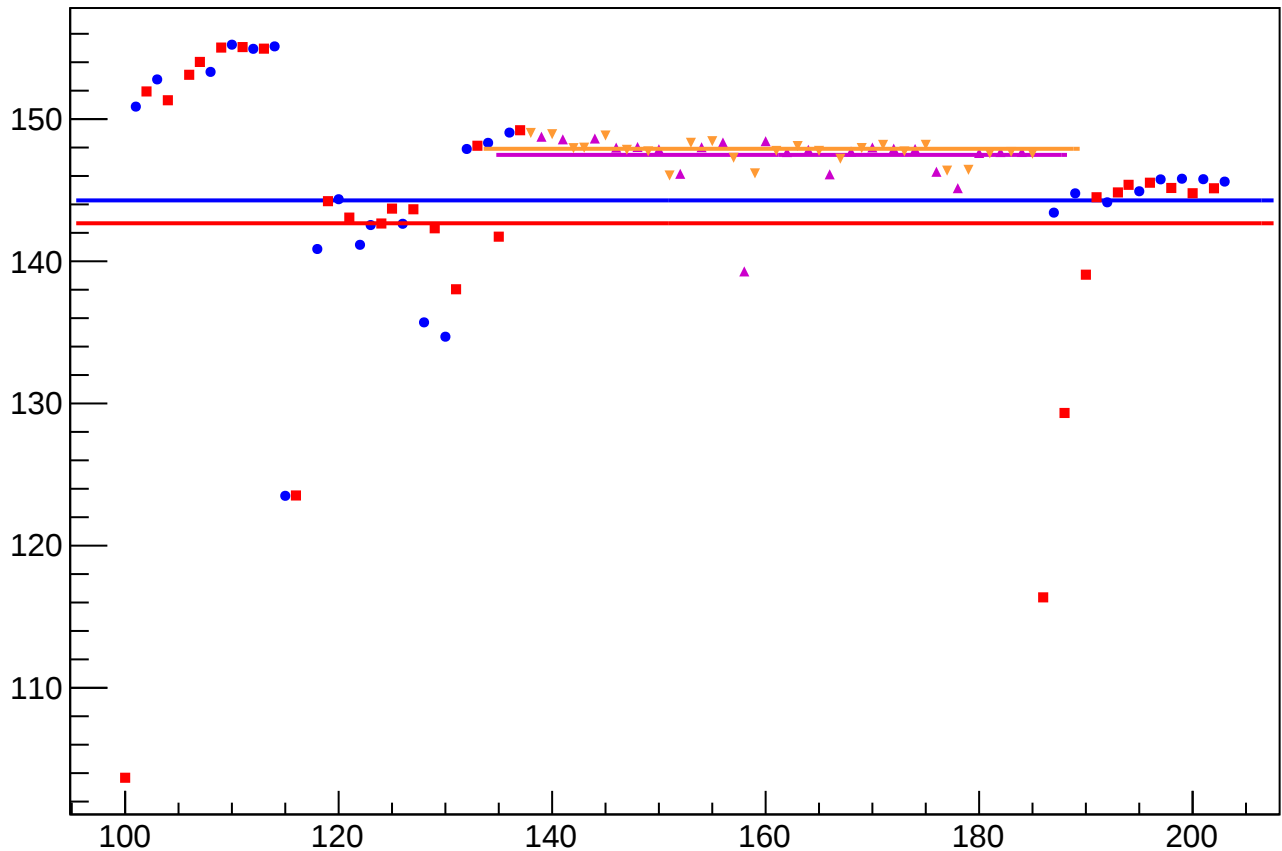
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.401 $\pm$ 0.000 χ^2 /NDF: 4646356.8/49

All: 0.401 $\pm$ 0.000 χ^2 /NDF: 8748359.5/101

- sign 0.401 $\pm$ 0.000 χ^2 /NDF: 4102000.7/51

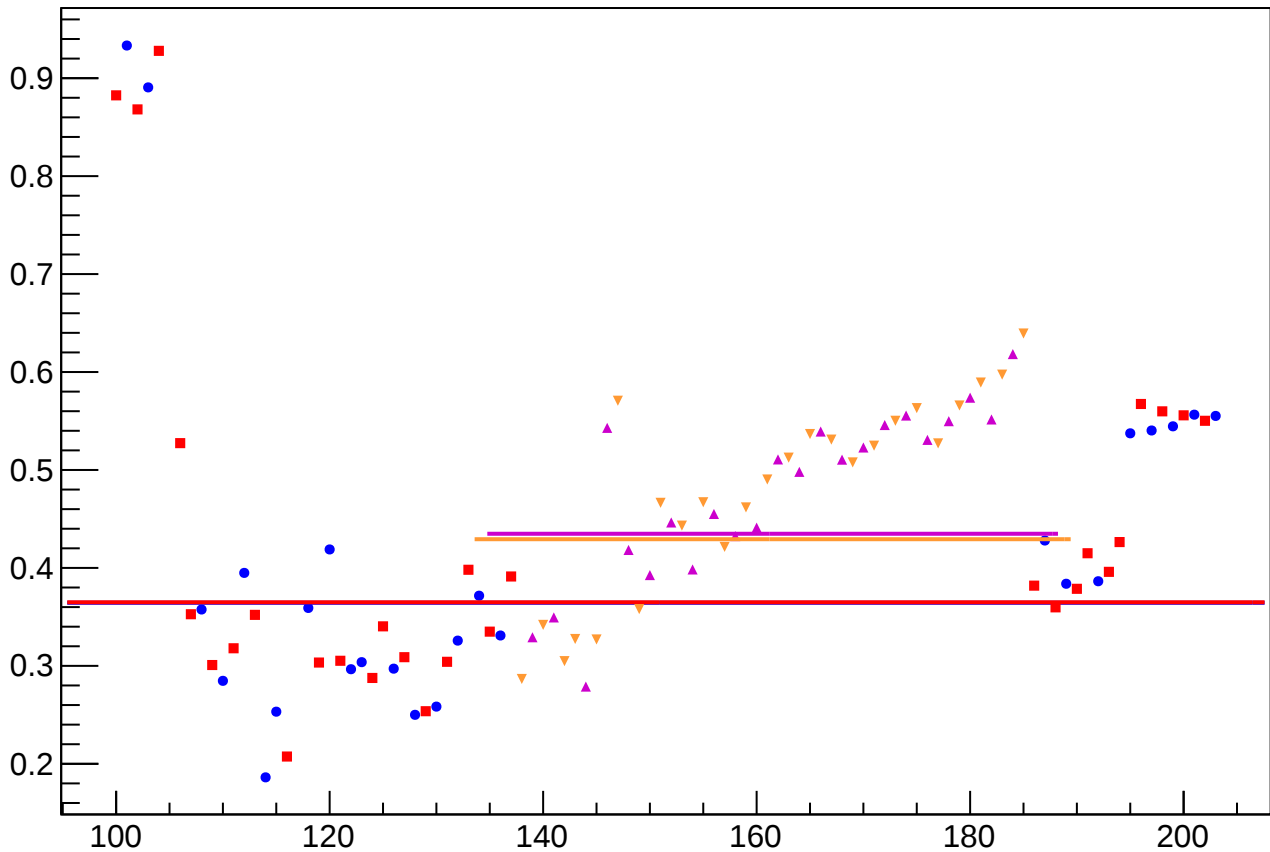
yield_bcm_an_us_mean vs Slug



Right In: 144.282 ± 0.000 χ^2/NDF : 3689772596.2/24
 Left Out: 147.912 ± 0.000 χ^2/NDF : 64463426.1/24
 Right Out: 142.673 ± 0.000 χ^2/NDF : 775888887.5/28
 Left In: 147.483 ± 0.000 χ^2/NDF : 342674720.4/22

+ sign 146.253 ± 0.000 χ^2/NDF : 4307176416.6/49
 All: 145.650 ± 0.000 χ^2/NDF : 13526662033.
 - sign 145.057 ± 0.000 χ^2/NDF : 9097345728.0/51

yield_bcm_an_us_rms vs Slug



Right In: 0.364 $\pm$ 0.000 χ^2 /NDF: 2378765.2/24

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.365 $\pm$ 0.000 χ^2 /NDF: 2152153.1/28

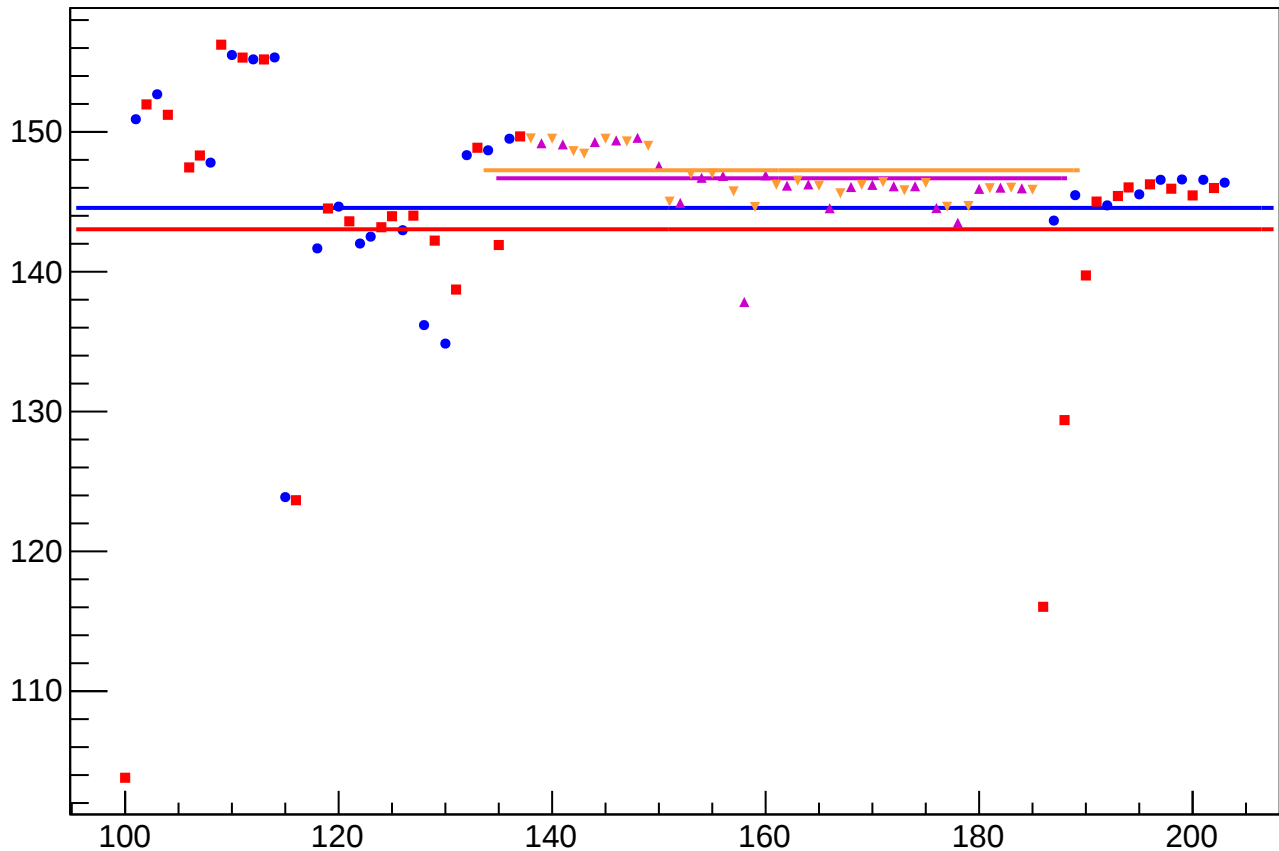
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.400 $\pm$ 0.000 χ^2 /NDF: 4623904.2/49

All: 0.400 $\pm$ 0.000 χ^2 /NDF: 8683325.7/101

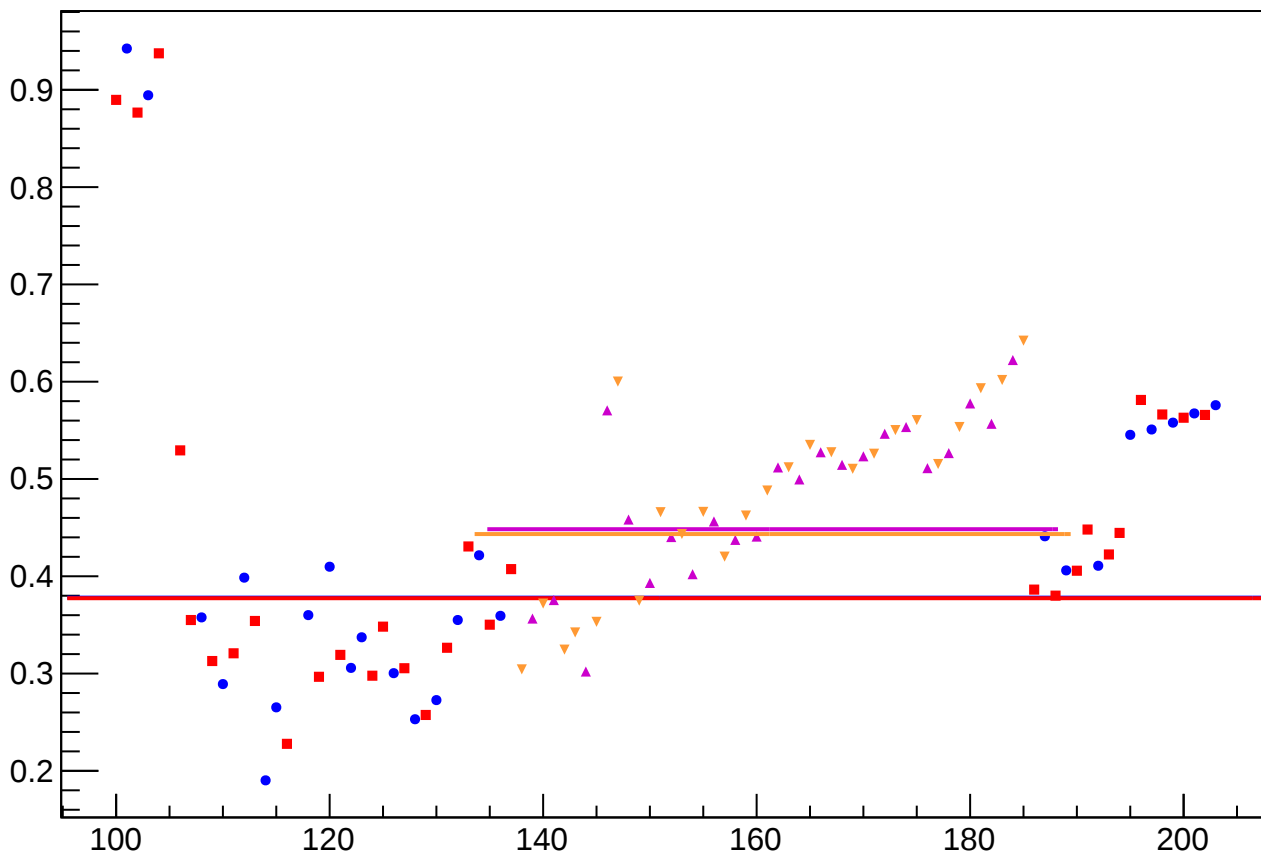
- sign 0.400 $\pm$ 0.000 χ^2 /NDF: 4059420.7/51

yield_bcm_dg_us_mean vs Slug



Right In: 144.566 $\pm$ 0.000 χ^2/NDF : 3212585916.0/24
 Left Out: 147.257 $\pm$ 0.000 χ^2/NDF : 261906278.3/24
 Right Out: 143.037 $\pm$ 0.000 χ^2/NDF : 7087692350.6/28
 Left In: 146.685 $\pm$ 0.000 χ^2/NDF : 554922388.0/22
 All: 145.445 $\pm$ 0.000 χ^2/NDF : 12052468516.0/51
 + sign 146.041 $\pm$ 0.000 χ^2/NDF : 3759177517.2/49
 - sign 144.861 $\pm$ 0.000 χ^2/NDF : 8181833387.8/51

yield_bcm_dg_us_rms vs Slug



Right In: 0.378 $\pm$ 0.000 χ^2 /NDF: 2326058.4/24

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.377 $\pm$ 0.000 χ^2 /NDF: 2100251.3/28

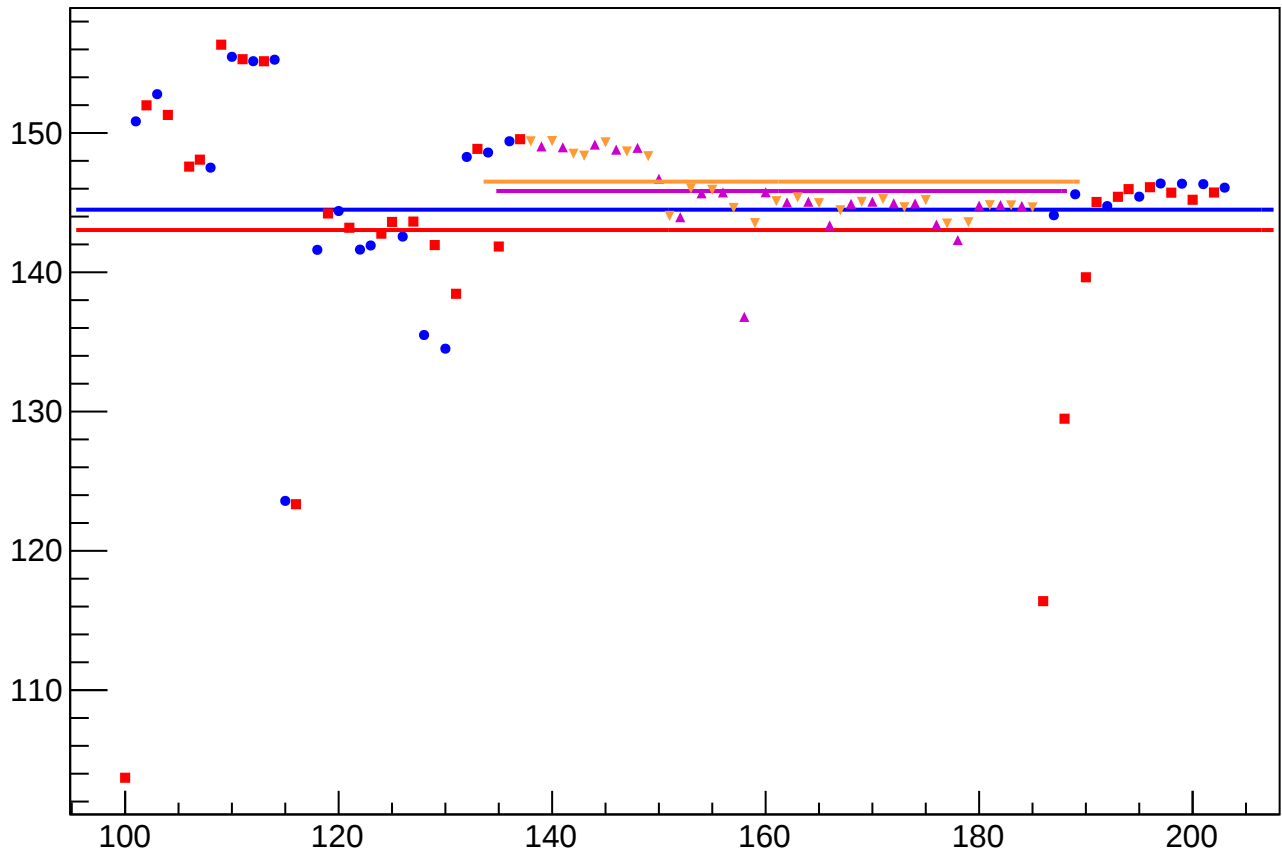
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.414 $\pm$ 0.000 χ^2 /NDF: 4142192.2/49

All: 0.413 $\pm$ 0.000 χ^2 /NDF: 7770664.3/101

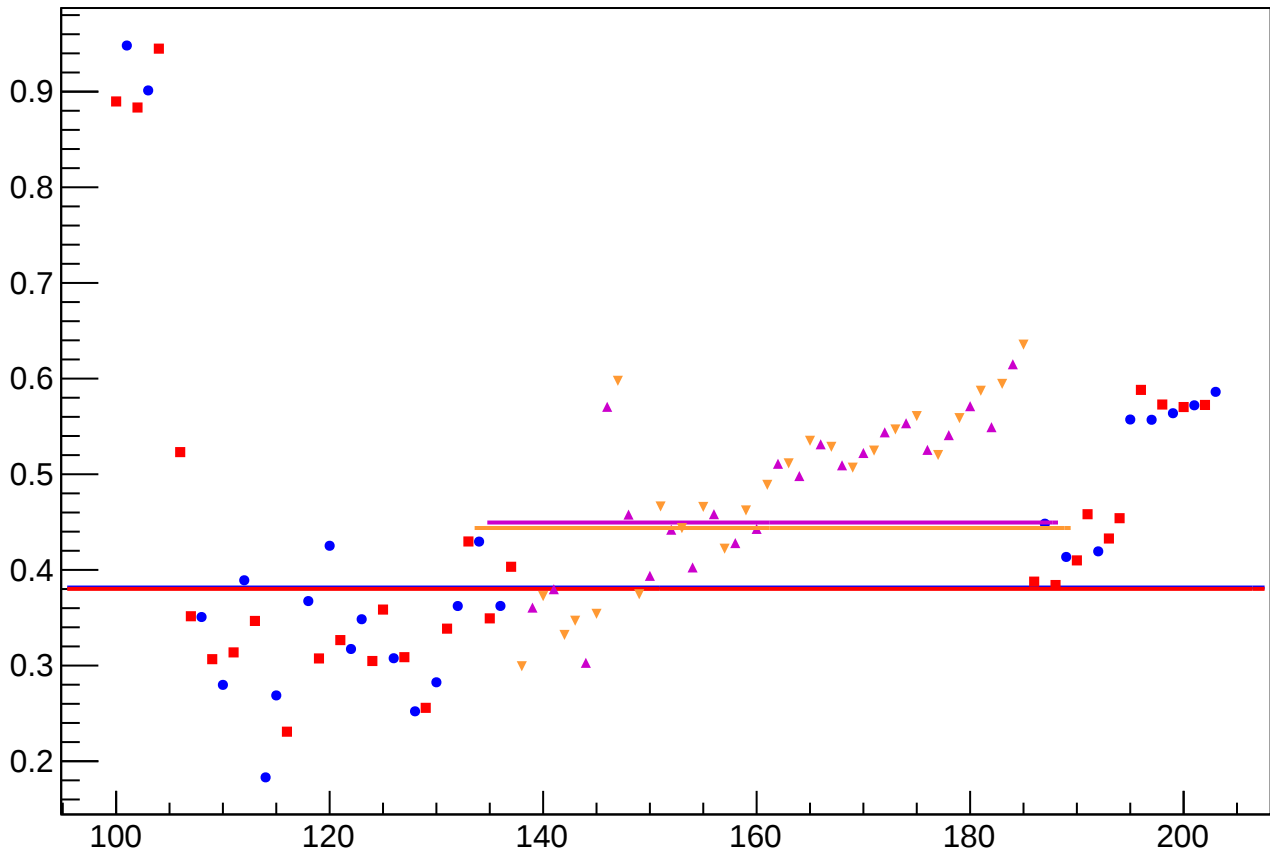
- sign 0.413 $\pm$ 0.000 χ^2 /NDF: 3628338.5/51

yield_bcm_dg_ds_mean vs Slug



Right In: 144.494 $\pm$ 0.000 χ^2 /NDF: 3324511095.7/24
 Left Out: 146.508 $\pm$ 0.000 χ^2 /NDF: 401248837.9/24
 Right Out: 143.033 $\pm$ 0.000 χ^2 /NDF: 7049415479.4/28
 Left In: 145.834 $\pm$ 0.000 χ^2 /NDF: 690172810.0/22
 + sign 145.608 $\pm$ 0.000 χ^2 /NDF: 3883043969.4/49
 All: 145.019 $\pm$ 0.000 χ^2 /NDF: 12044385341.
 - sign 144.443 $\pm$ 0.000 χ^2 /NDF: 8053820749.9/51

yield_bcm_dg_ds_rms vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2/NDF : 2369829.0/24

Left Out: 0.444 $\pm$ 0.000 χ^2/NDF : 1460383.7/24

Right Out: 0.380 $\pm$ 0.000 χ^2/NDF : 2123198.8/28

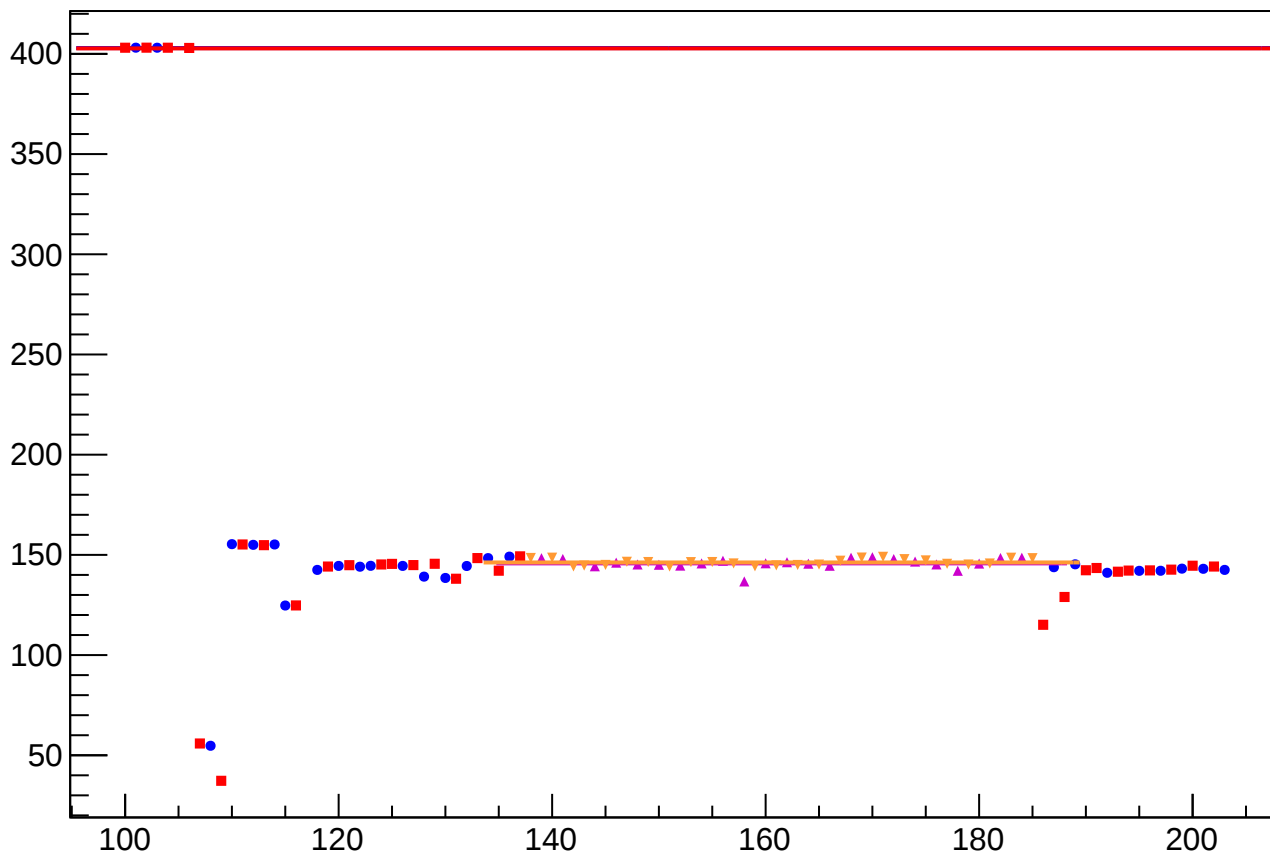
Left In: 0.450 $\pm$ 0.000 χ^2/NDF : 1092776.5/22

+ sign 0.416 $\pm$ 0.000 χ^2/NDF : 4130515.3/49

All: 0.416 $\pm$ 0.000 χ^2/NDF : 7731871.9/101

- sign 0.415 $\pm$ 0.000 χ^2/NDF : 3601230.0/51

yield_cav4bQ_mean vs Slug



Right In: 402.904 $\pm$ 0.000 χ^2 /NDF: 1526334765288.0/24

Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 86042286.3/24

Right Out: 402.736 $\pm$ 0.000 χ^2 /NDF: 3693521690913.9/28

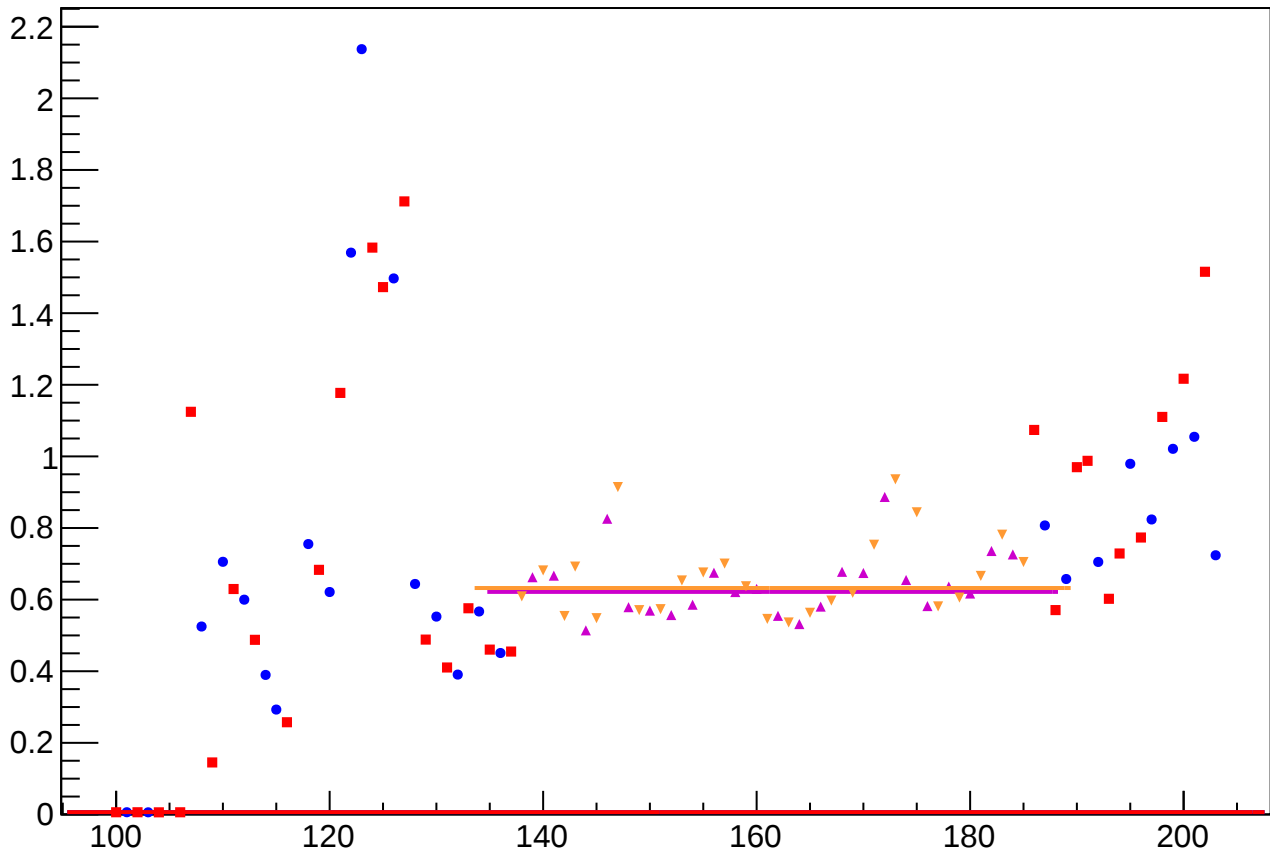
Left In: 145.755 $\pm$ 0.000 χ^2 /NDF: 206171532.0/22

+ sign 402.609 $\pm$ 0.000 χ^2 /NDF: 3886655209447.4

All: 402.540 $\pm$ 0.000 χ^2 /NDF: 99090176250.0

- sign 402.479 $\pm$ 0.000 χ^2 /NDF: 6022080282771.5

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 17611795.1/24

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 19582319.8/28

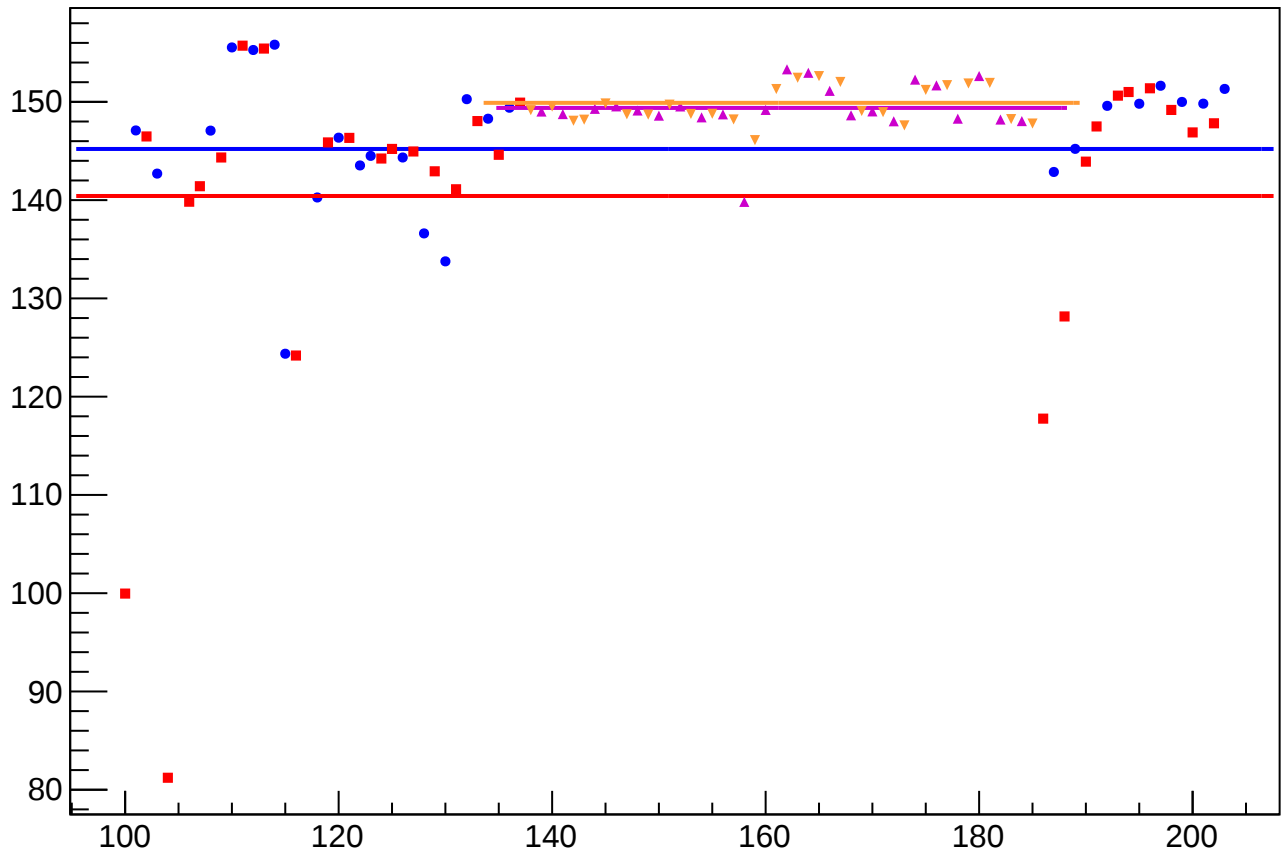
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 46292060.1/49

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 92953491.2/101

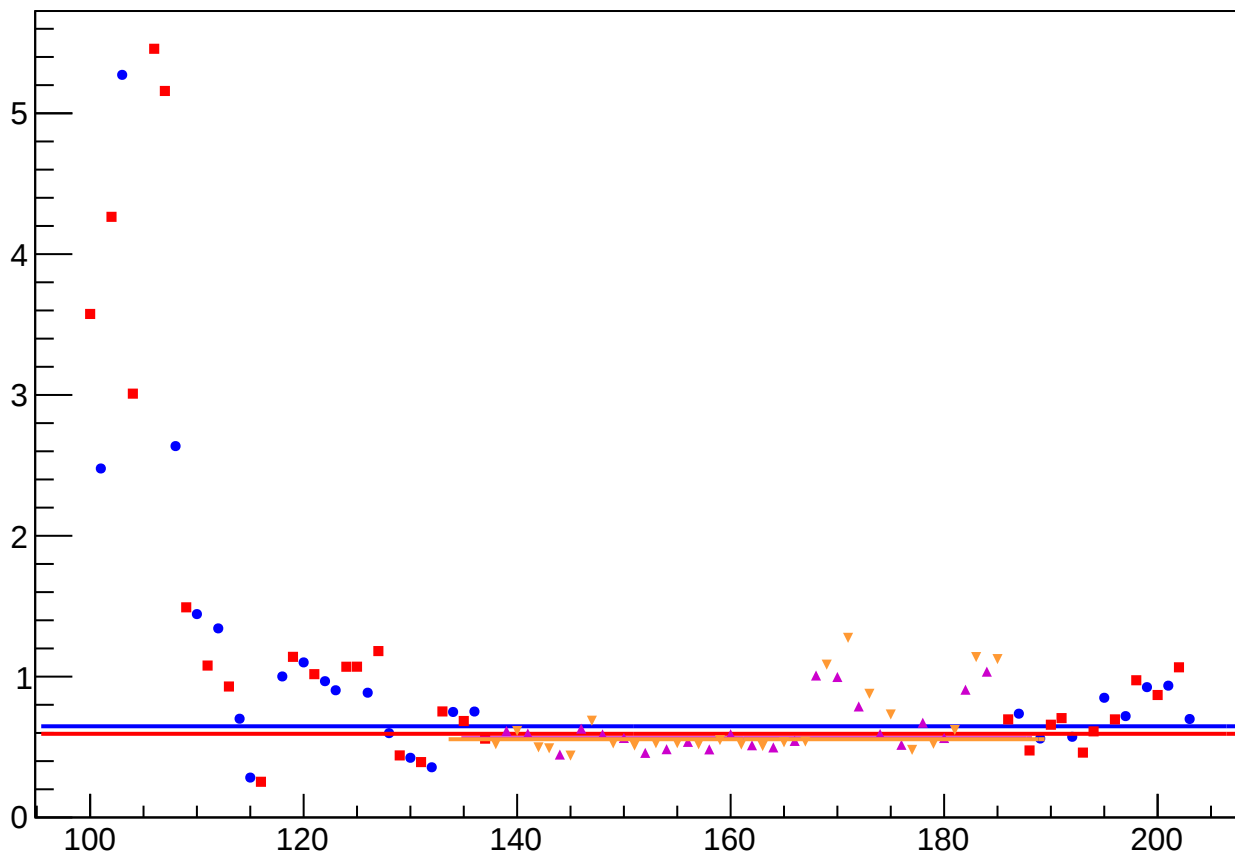
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 46661093.9/51

yield_cav4cQ_mean vs Slug



Right In: 145.206 $\pm$ 0.000	χ^2 /NDF: 1299155916.4/24	+ sign 148.638 $\pm$ 0.000	χ^2 /NDF: 1762507800.7/49
Left Out: 149.900 $\pm$ 0.000	χ^2 /NDF: 162845622.6/24	All: 147.505 $\pm$ 0.000	χ^2 /NDF: 6689024658.4
Right Out: 140.421 $\pm$ 0.000	χ^2 /NDF: 3049982229.9/28	- sign 146.395 $\pm$ 0.000	χ^2 /NDF: 4750010524.2/51
Left In: 149.382 $\pm$ 0.000	χ^2 /NDF: 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.647 ± 0.000 χ^2/NDF : 3984296.6/24

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.594 ± 0.000 χ^2/NDF : 5447465.1/28

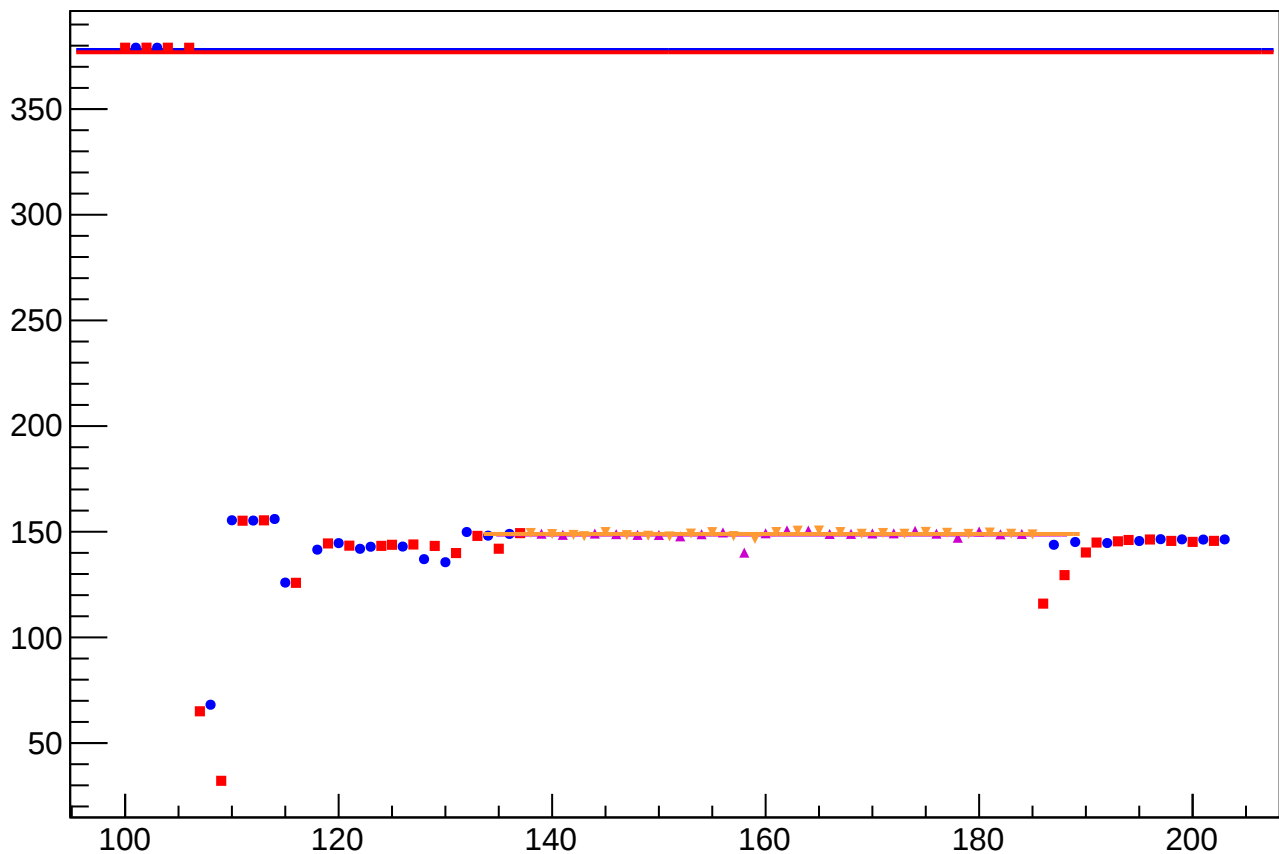
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.580 ± 0.000 χ^2/NDF : 5988354.7/49

All: 0.576 ± 0.000 χ^2/NDF : 12778221.8/101

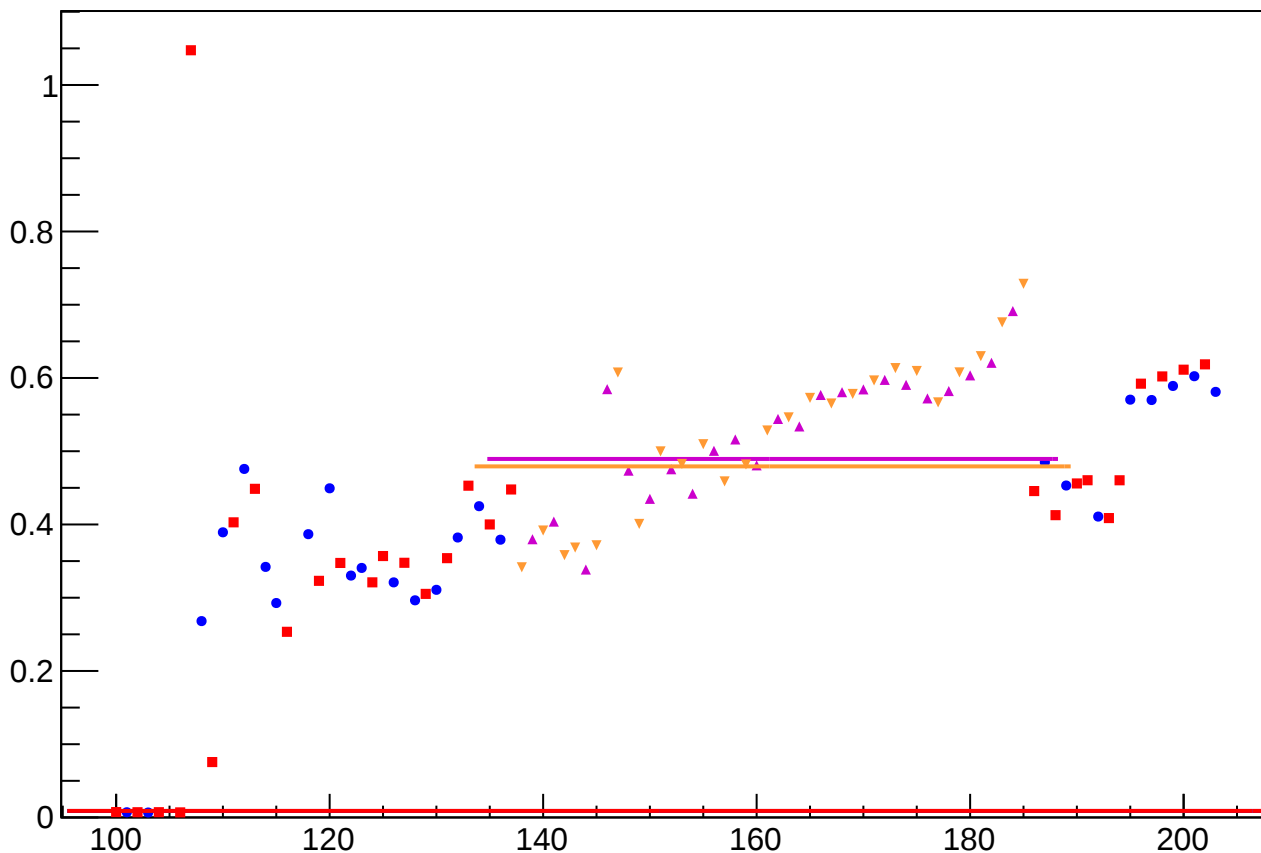
- sign 0.572 ± 0.000 χ^2/NDF : 6785724.3/51

yield_cav4dQ_mean vs Slug



Right In: 377.954+/-0.000	χ^2/NDF : 3525157835200.1/24	+ sign 376.678+/-0.000	χ^2/NDF : 7421206560680.8
Left Out: 148.944+/-0.000	χ^2/NDF : 63976941.3/24	All: 376.249+/-0.000	χ^2/NDF : 206816204030
Right Out: 376.893+/-0.000	χ^2/NDF : 9709059613229.0/28	- sign 375.871+/-0.000	χ^2/NDF : 13255759850218.2
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 : 19986634.5/24

Left Out: 0.479+/-0.000 χ^2/NDF :1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 21403770.3/28

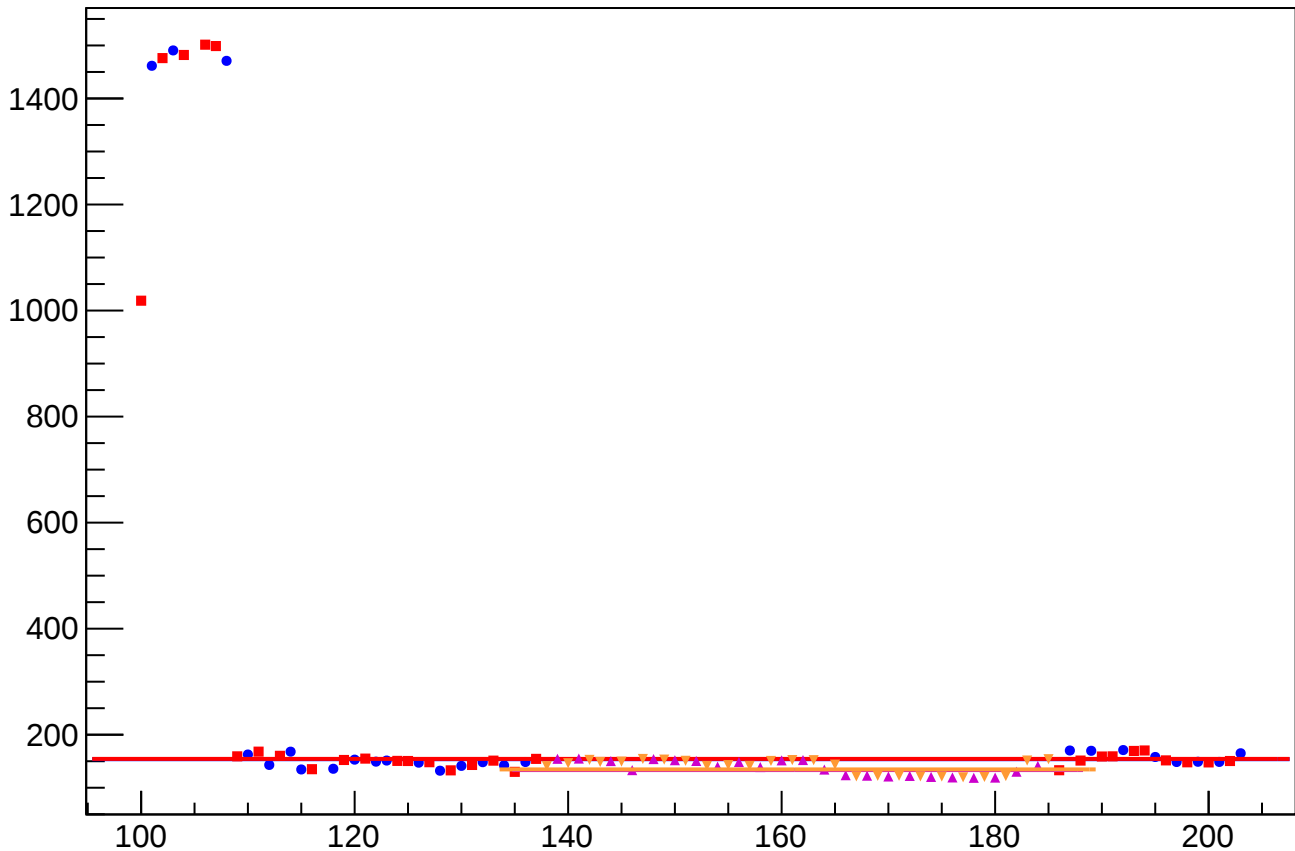
Left In: 0.489+/-0.000 χ^2/NDF :1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 54386258.0/49

All: 0.011+/-0.000 χ^2/NDF : 108312665.4/103

- sign 0.011+/-0.000 χ^2/NDF : 53924370.0/51

yield_bcm0l02_mean vs Slug



Right In: 153.818+/-0.000 χ^2/NDF : 25633810385.0/24

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 154.394+/-0.000 χ^2/NDF : 34840828019.4/28

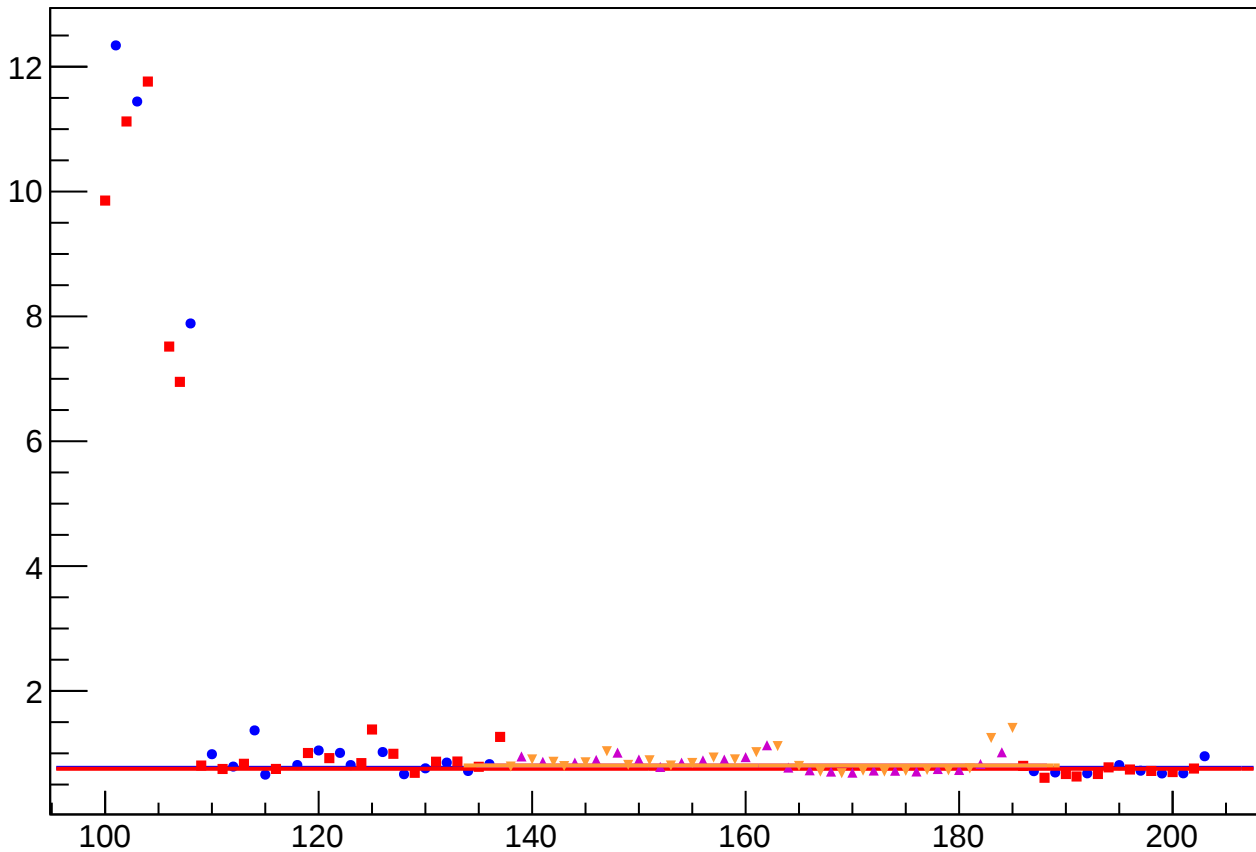
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 141.865+/-0.000 χ^2/NDF : 33350672851.2/49

All: 142.114+/-0.000 χ^2/NDF : 76817182816.0

- sign 142.354+/-0.000 χ^2/NDF : 43461862776.0/51

yield_bcm0l02_rms vs Slug



Right In: 0.768 ± 0.000 χ^2/NDF : 2872866.1/24

Left Out: 0.806 ± 0.000 χ^2/NDF : 690578.5/24

Right Out: 0.753 ± 0.000 χ^2/NDF : 3138574.8/28

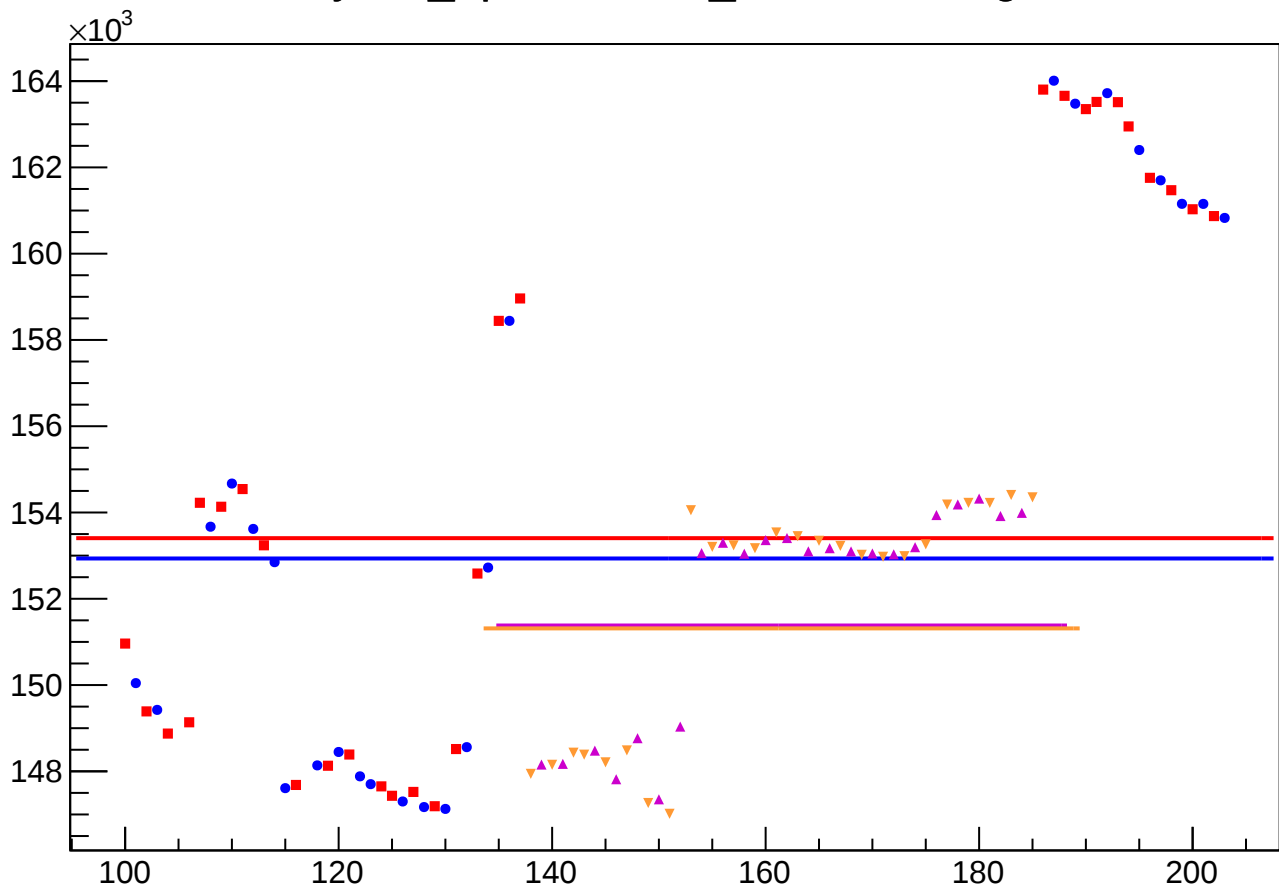
Left In: 0.805 ± 0.000 χ^2/NDF : 480510.8/22

+ sign 0.792 ± 0.000 χ^2/NDF : 3589395.1/49

All: 0.787 ± 0.000 χ^2/NDF : 7264270.1/101

- sign 0.783 ± 0.000 χ^2/NDF : 3671596.9/51

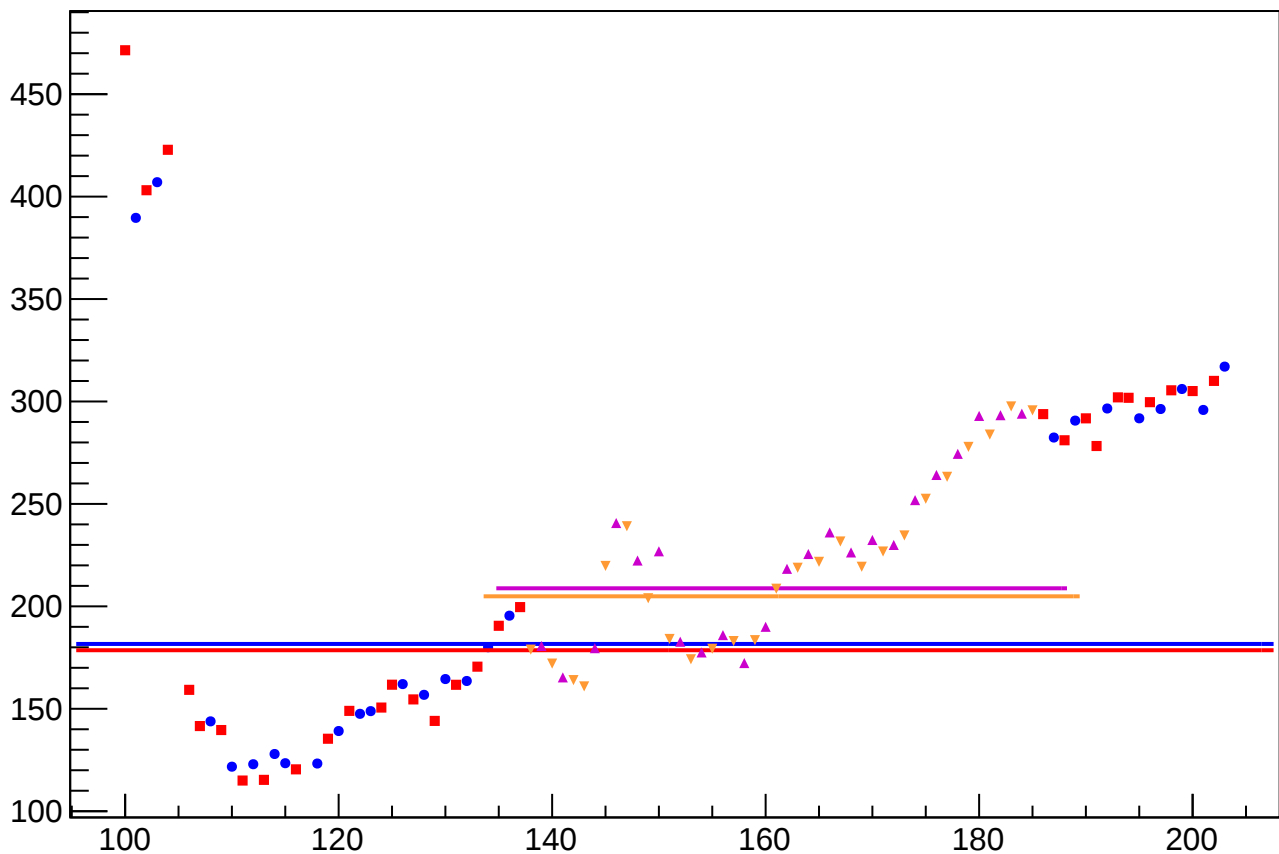
yield_bpm0i01WS_mean vs Slug



Right In: 152933.936 ± 0.057 $\chi^2/\text{NDF}: 9834655979.1/24$
 Left Out: 151313.284 ± 0.049 $\chi^2/\text{NDF}: 3153768134.8/24$
 Right Out: 153405.022 ± 0.053 $\chi^2/\text{NDF}: 10810569407.4/28$
 Left In: 151380.236 ± 0.051 $\chi^2/\text{NDF}: 2363895785.3/22$

+ sign 152003.288 ± 0.037 $\chi^2/\text{NDF}: 13460234227.6/24$
 All: 152177.295 ± 0.026 $\chi^2/\text{NDF}: 274298113.4/24$
 - sign 152351.589 ± 0.037 $\chi^2/\text{NDF}: 13925047175.6/24$

yield_bpm0i01WS_rms vs Slug



Right In: 181.647 $\pm$ 0.040 χ^2 /NDF: 3269157.8/24

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 178.581 $\pm$ 0.038 χ^2 /NDF: 3744835.4/28

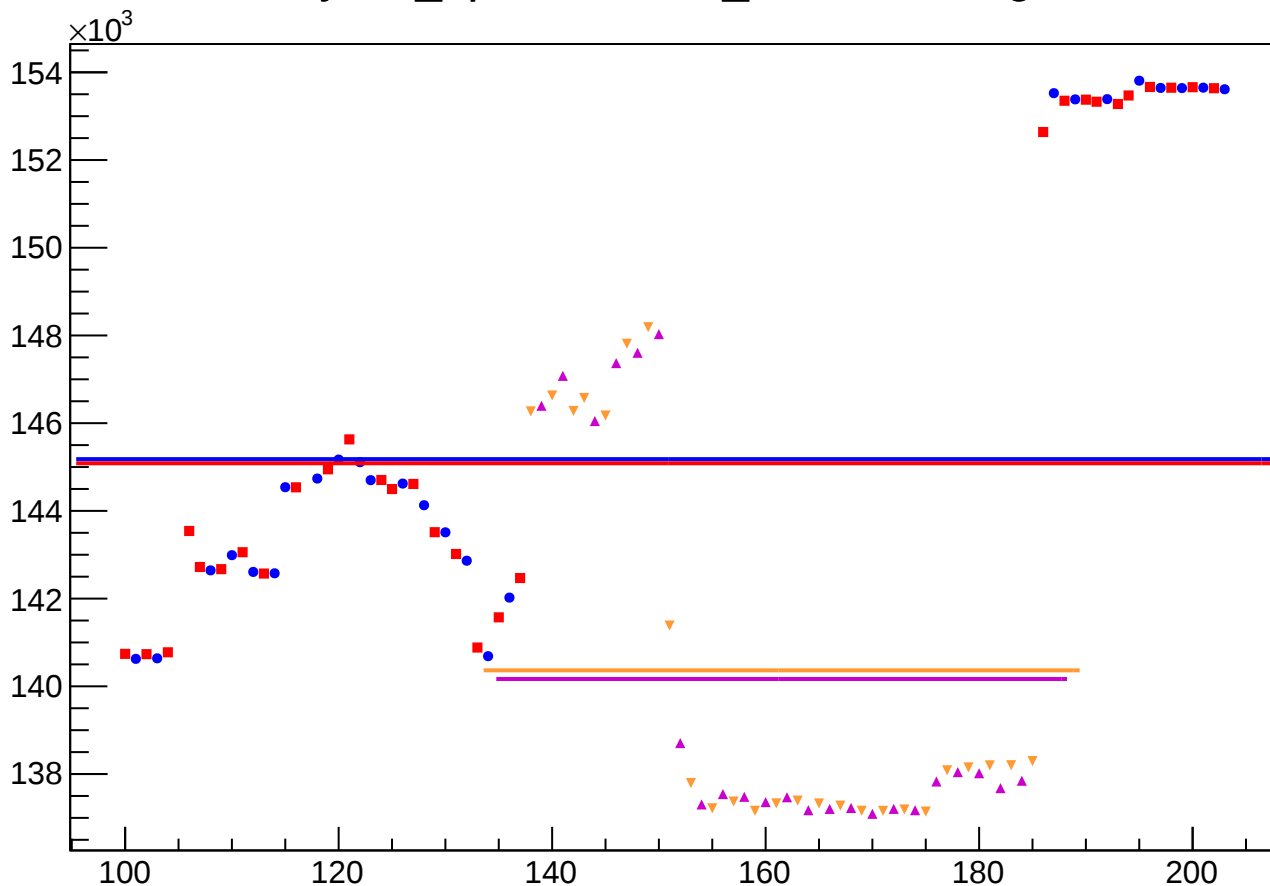
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 195.000 $\pm$ 0.026 χ^2 /NDF: 4519779.8/49

All: 194.655 $\pm$ 0.018 χ^2 /NDF: 9601555.7/100

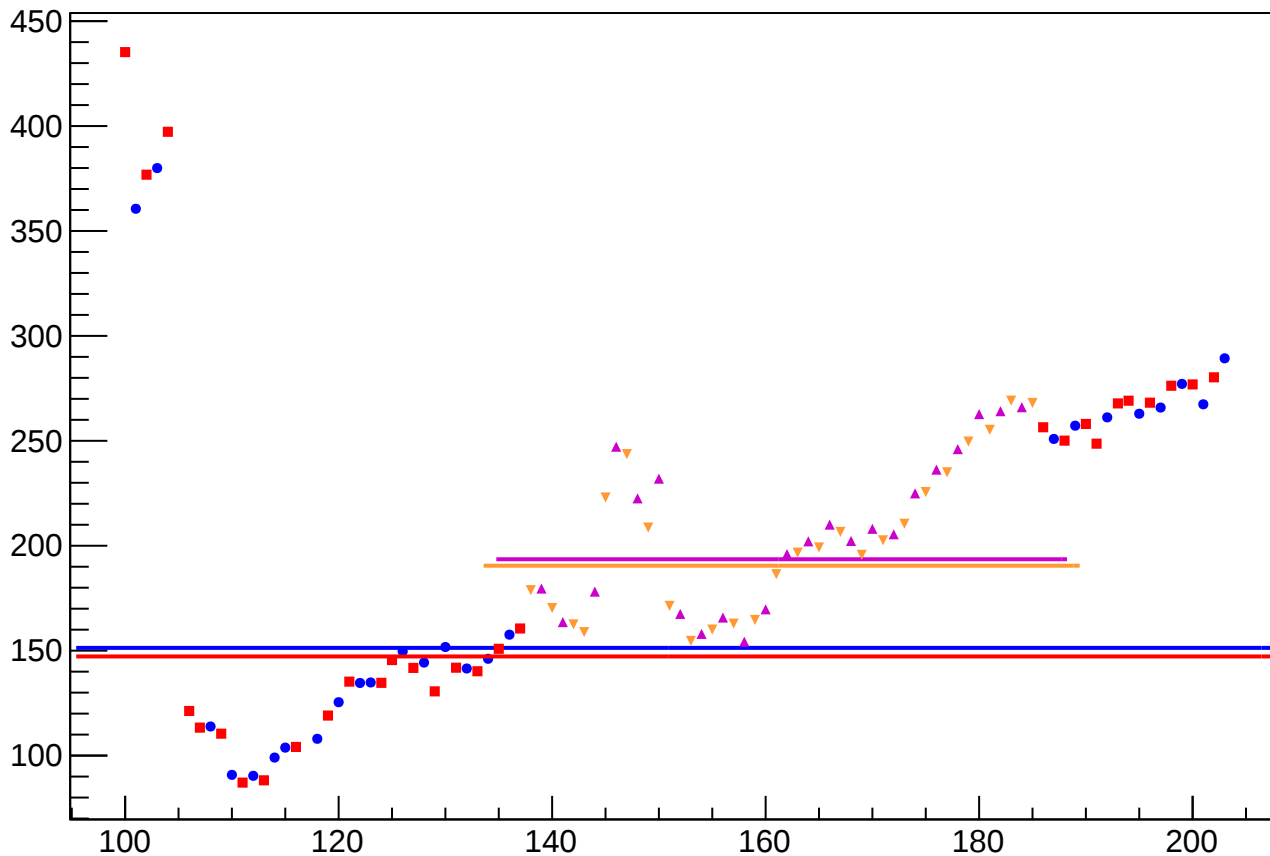
- sign 194.310 $\pm$ 0.026 χ^2 /NDF: 5081426.1/51

yield_bpm0i01aWS_mean vs Slug



Right In: 145179.995 $\pm$ 0.048	χ^2 /NDF: 7093127685.5/24	+ sign 142632.139 $\pm$ 0.033	χ^2 /NDF: 21111022657.
Left Out: 140364.444 $\pm$ 0.045	χ^2 /NDF: 8677078677.7/24	All: 142707.833 $\pm$ 0.023	χ^2 /NDF: 430667170
Right Out: 145085.957 $\pm$ 0.045	χ^2 /NDF: 8204230604.2/28	- sign 142781.631 $\pm$ 0.032	χ^2 /NDF: 21945235090.9
Left In: 140166.971 $\pm$ 0.047	χ^2 /NDF: 8028464654.6/22		

yield_bpm0i01aWS_rms vs Slug



Right In: 151.330 $\pm$ 0.034 χ^2 /NDF: 3989454.6/24

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 147.242 $\pm$ 0.031 χ^2 /NDF: 4545317.6/28

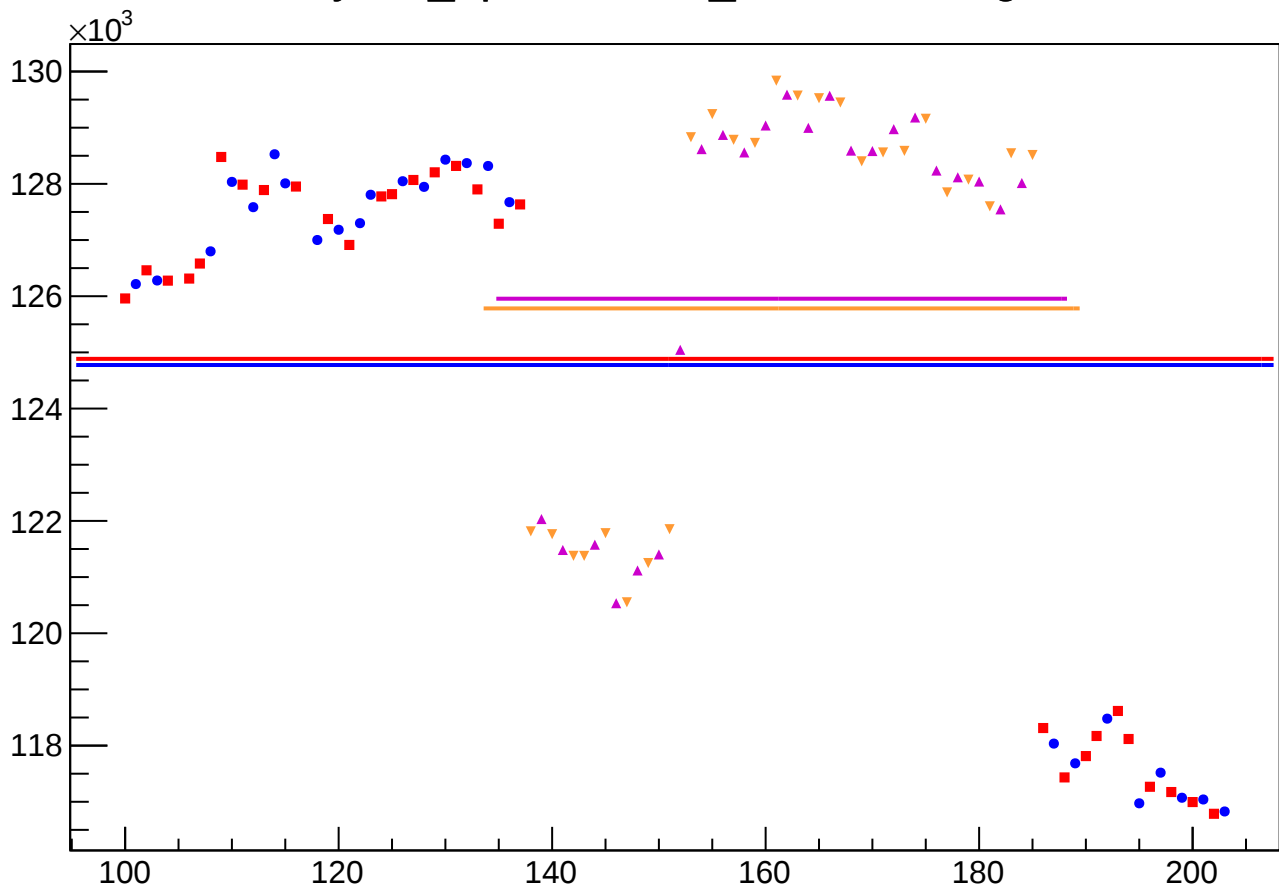
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 172.047 $\pm$ 0.023 χ^2 /NDF: 5645925.9/49

All: 170.473 $\pm$ 0.016 χ^2 /NDF: 12176889.5/10

- sign 168.939 $\pm$ 0.023 χ^2 /NDF: 6521922.3/51

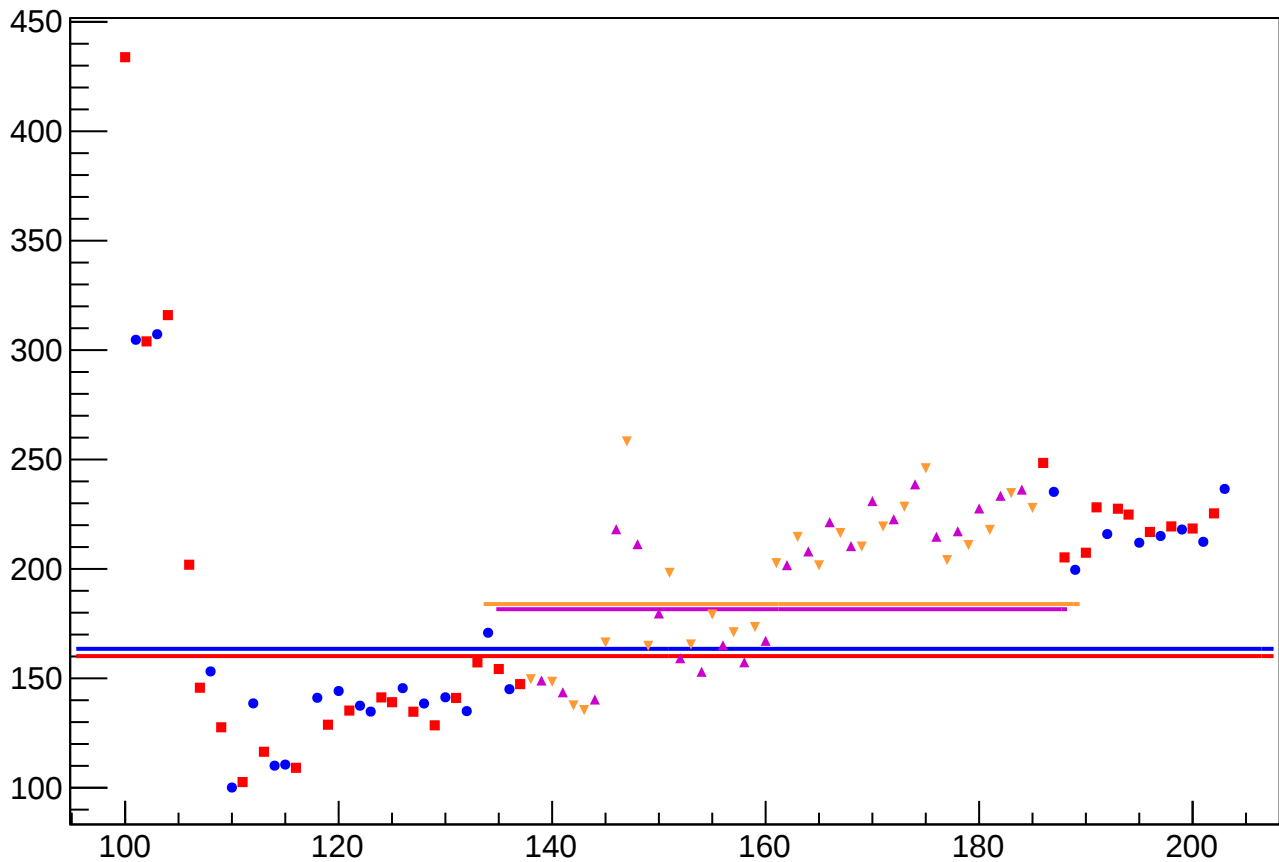
yield_bpm0l01WS_mean vs Slug



Right In: 124775.319 $\pm$ 0.049 χ^2 /NDF: 9055574268.5/24
 Left Out: 125782.764 $\pm$ 0.044 χ^2 /NDF: 6729761889.8/24
 Right Out: 124884.858 $\pm$ 0.046 χ^2 /NDF: 9839172391.7/28
 Left In: 125955.637 $\pm$ 0.045 χ^2 /NDF: 5804088930.1/22

+ sign 125335.240 $\pm$ 0.033 χ^2 /NDF: 16018180122.2
 All: 125387.454 $\pm$ 0.023 χ^2 /NDF: 319426453.1
 - sign 125437.747 $\pm$ 0.032 χ^2 /NDF: 15919491745.4

yield_bpm0l01WS_rms vs Slug



Right In: 163.480 $\pm$ 0.035 χ^2 /NDF: 1771048.0/24

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF: 1123194.0/24

Right Out: 160.169 $\pm$ 0.033 χ^2 /NDF: 2265926.0/28

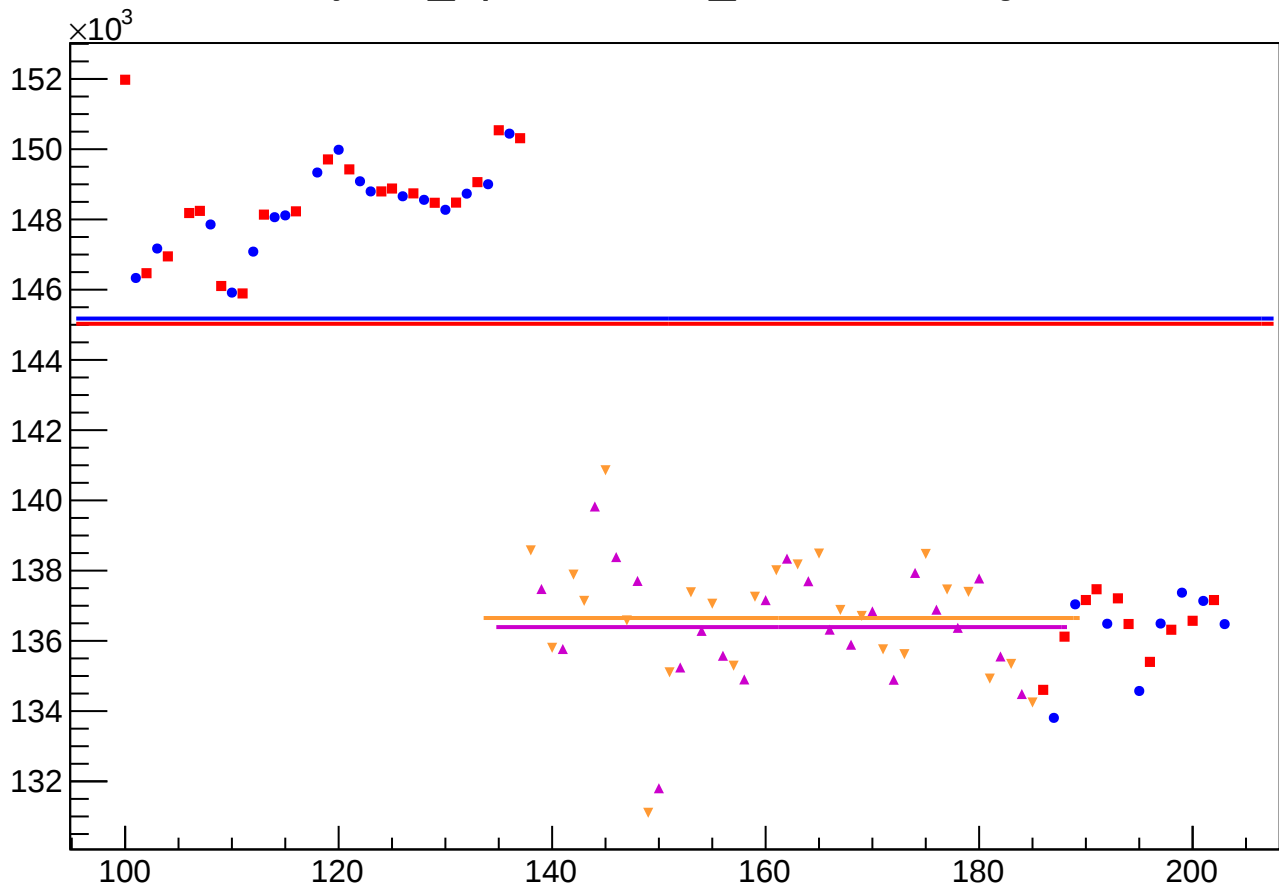
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF: 1103524.3/22

+ sign 174.855 $\pm$ 0.023 χ^2 /NDF: 3086447.7/49

All: 173.010 $\pm$ 0.016 χ^2 /NDF: 6689537.4/100

- sign 171.232 $\pm$ 0.023 χ^2 /NDF: 3590668.1/51

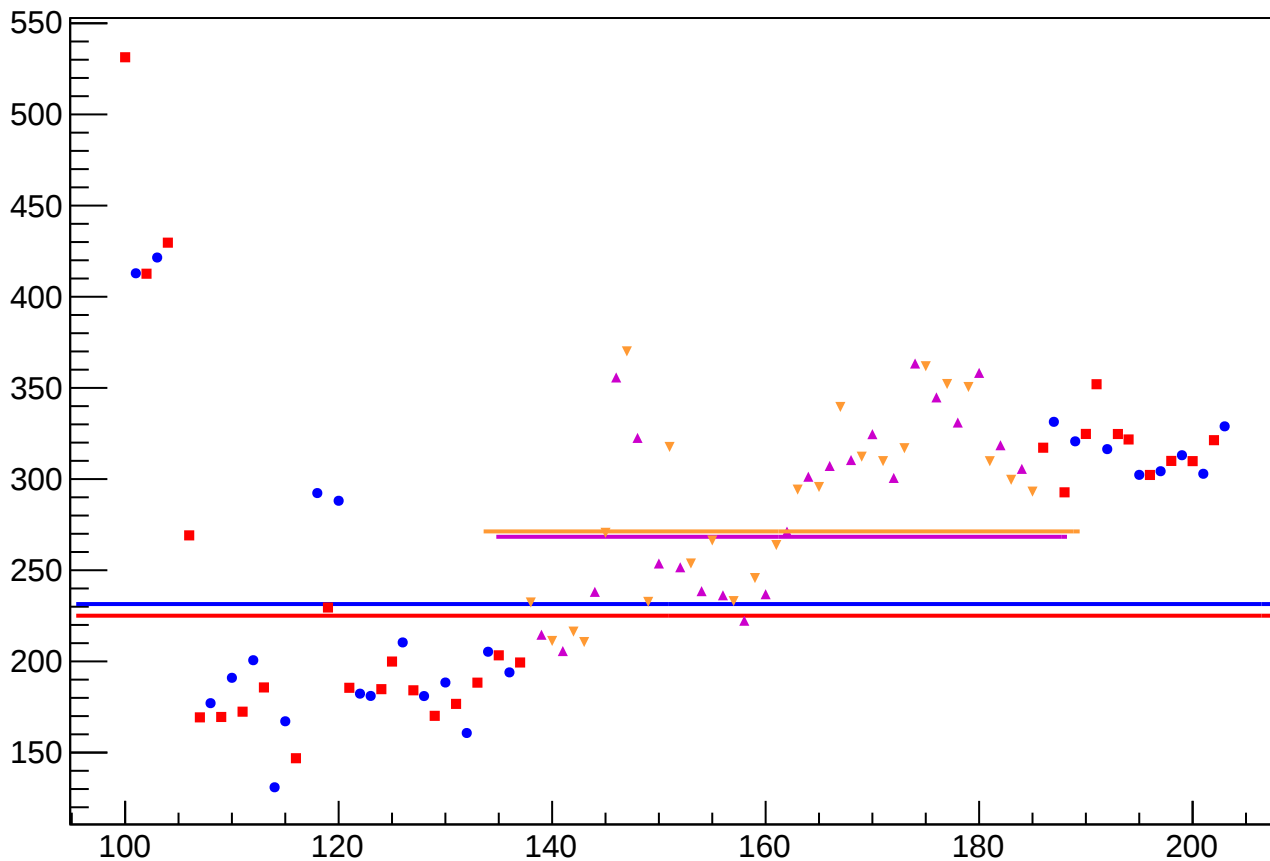
yield_bpm0l02WS_mean vs Slug



Right In: 145177.717 ± 0.070 $\chi^2/\text{NDF}: 6273153393.5/24$
 Left Out: 136650.935 ± 0.065 $\chi^2/\text{NDF}: 930649595.5/24$
 Right Out: 145028.369 ± 0.065 $\chi^2/\text{NDF}: 7002510120.9/28$
 Left In: 136392.188 ± 0.066 $\chi^2/\text{NDF}: 701986841.4/22$

+ sign 140575.156 ± 0.047 $\chi^2/\text{NDF}: 15215528880.$
 All: 140672.302 ± 0.033 $\chi^2/\text{NDF}: 316061424.$
 - sign 140764.877 ± 0.046 $\chi^2/\text{NDF}: 16382438148.8$

yield_bpm0l02WS_rms vs Slug



Right In: 231.455 ± 0.049 $\chi^2/\text{NDF}: 1965059.3/24$

Left Out: 271.295 ± 0.046 $\chi^2/\text{NDF}: 1064485.7/24$

Right Out: 225.067 ± 0.046 $\chi^2/\text{NDF}: 2229696.1/28$

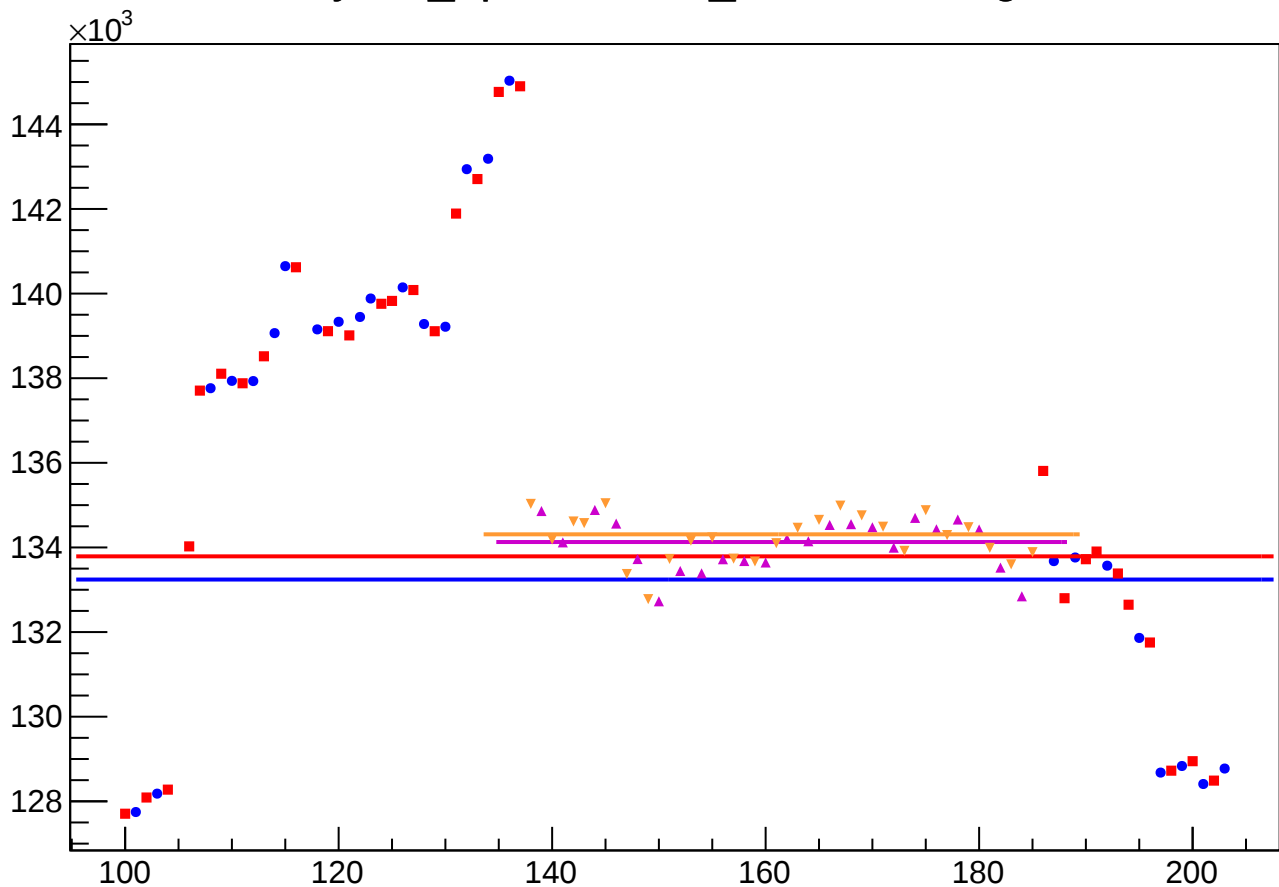
Left In: 268.344 ± 0.047 $\chi^2/\text{NDF}: 1077364.0/22$

+ sign 252.960 ± 0.034 $\chi^2/\text{NDF}: 3379354.2/49$

All: 249.617 ± 0.023 $\chi^2/\text{NDF}: 7141583.6/103$

- sign 246.432 ± 0.033 $\chi^2/\text{NDF}: 3742871.9/51$

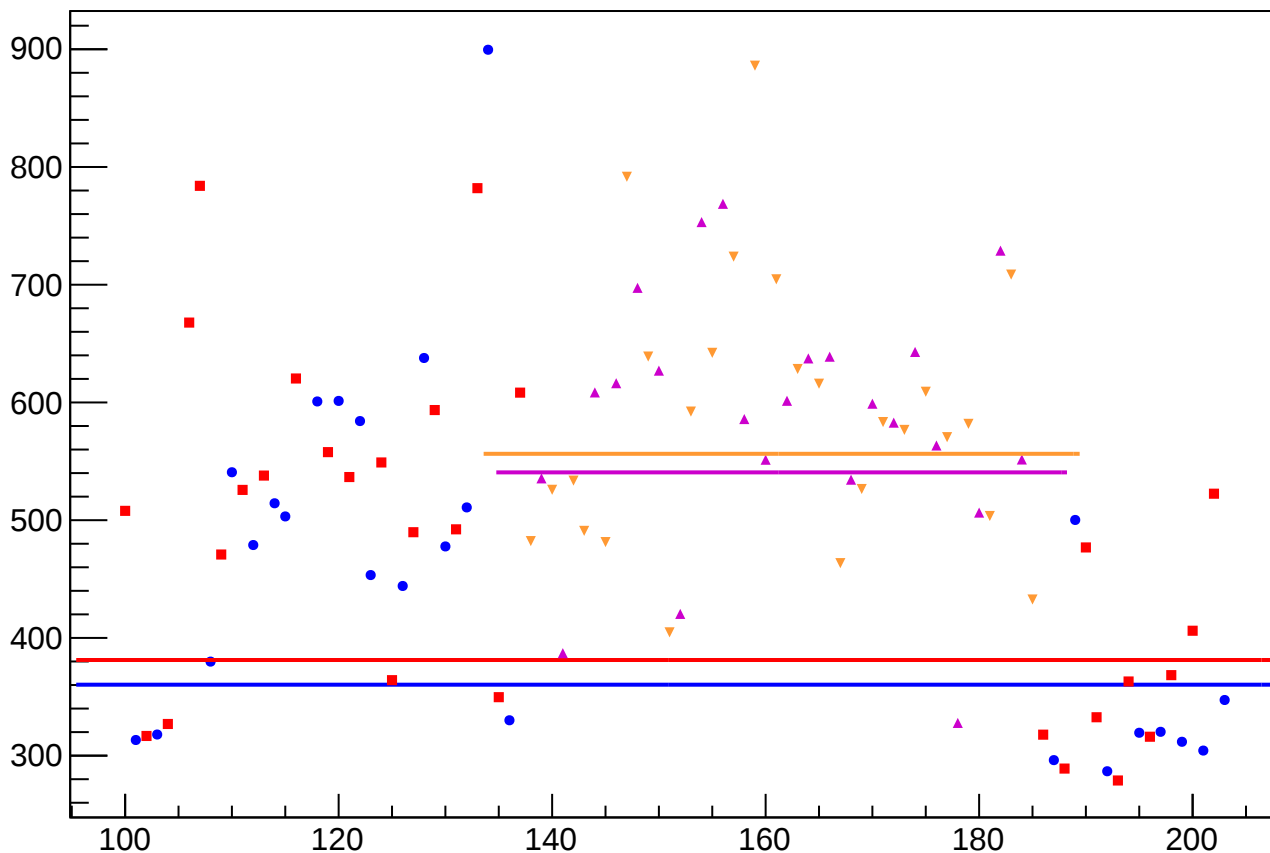
yield_bpm0l03WS_mean vs Slug



Right In: 133241.533 ± 0.116 $\chi^2/\text{NDF}: 2383257592.6/24$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 133789.604 ± 0.120 $\chi^2/\text{NDF}: 1491246873.5/28$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 133682.122 ± 0.089 $\chi^2/\text{NDF}: 2433743217.1$
 All: 133802.671 ± 0.064 $\chi^2/\text{NDF}: 394762727$
 - sign 133930.073 ± 0.091 $\chi^2/\text{NDF}: 1510107419.7/5$

yield_bpm0l03WS_rms vs Slug



Right In: 360.277 ± 0.082 $\chi^2/\text{NDF}: 1253751.8/24$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 381.246 ± 0.085 $\chi^2/\text{NDF}: 1602348.9/28$

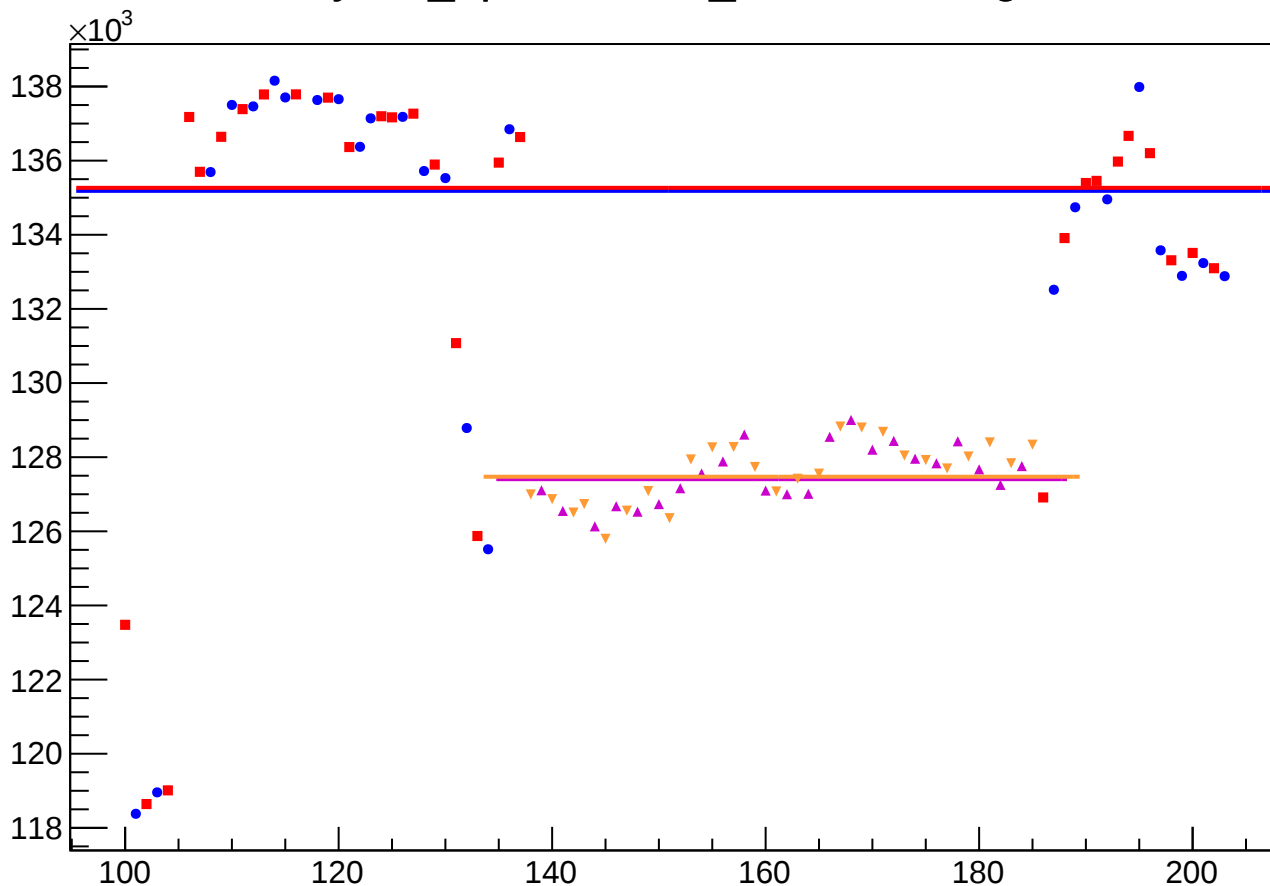
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 441.123 ± 0.063 $\chi^2/\text{NDF}: 4610528.4/49$

All: 444.157 ± 0.045 $\chi^2/\text{NDF}: 9100782.0/100$

- sign 447.363 ± 0.065 $\chi^2/\text{NDF}: 4485469.2/51$

yield_bpm0l04WS_mean vs Slug



Right In: 135184.980 ± 0.061 $\chi^2/\text{NDF}: 4769024122.5/24$

Left Out: 127472.525 ± 0.047 $\chi^2/\text{NDF}: 303609315.6/24$

Right Out: 135266.554 ± 0.057 $\chi^2/\text{NDF}: 5143134158.1/28$

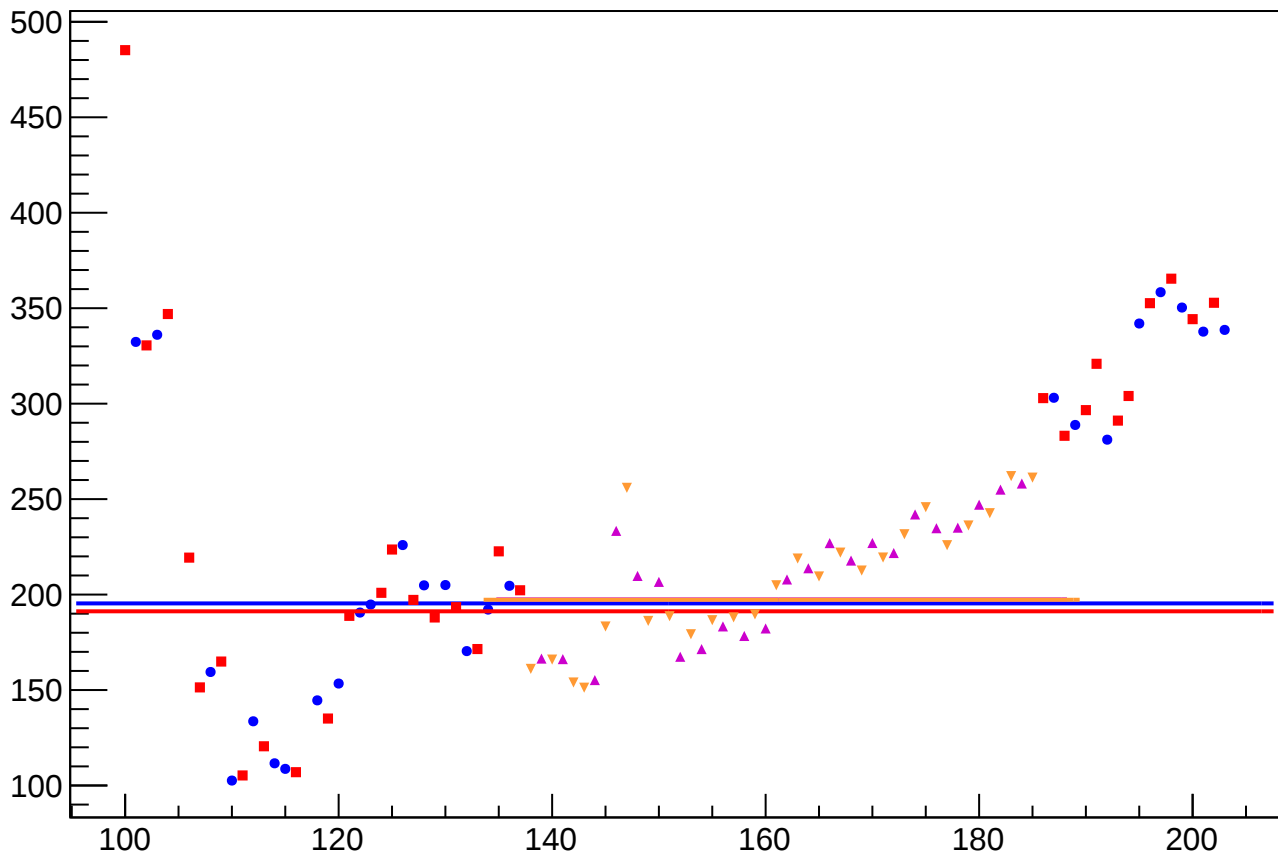
Left In: 127406.911 ± 0.048 $\chi^2/\text{NDF}: 269927988.0/22$

+ sign 130316.097 ± 0.037 $\chi^2/\text{NDF}: 15061830834.0/24$

All: 130492.912 ± 0.026 $\chi^2/\text{NDF}: 314761744.0/24$

- sign 130667.514 ± 0.037 $\chi^2/\text{NDF}: 16369512495.0/24$

yield_bpm0l04WS_rms vs Slug



Right In: 195.376 $\pm$ 0.043 χ^2 /NDF: 3439639.6/24

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

Right Out: 191.233 $\pm$ 0.041 χ^2 /NDF: 3967343.5/28

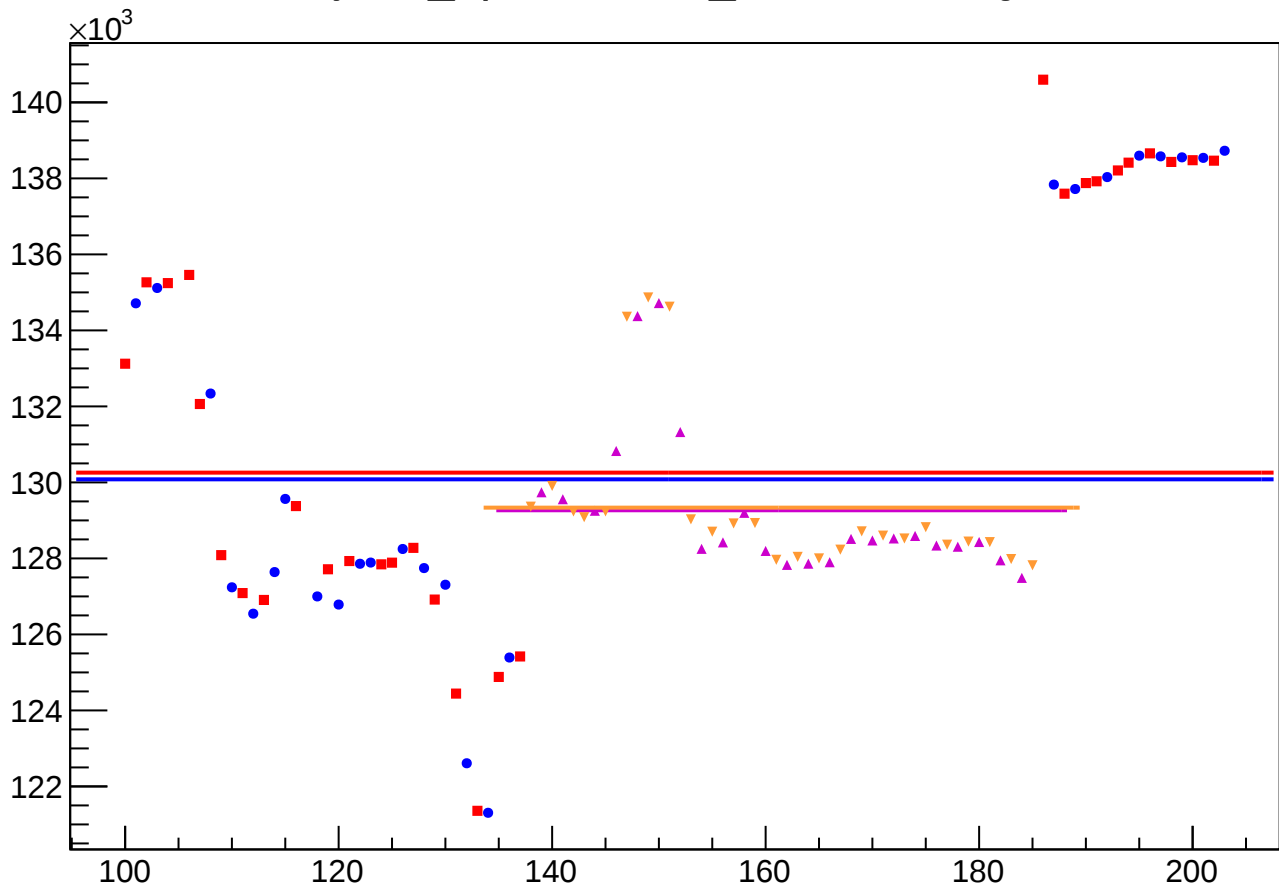
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 196.584 $\pm$ 0.026 χ^2 /NDF: 4292893.4/49

All: 195.728 $\pm$ 0.019 χ^2 /NDF: 9067715.7/100

- sign 194.883 $\pm$ 0.026 χ^2 /NDF: 4772722.7/51

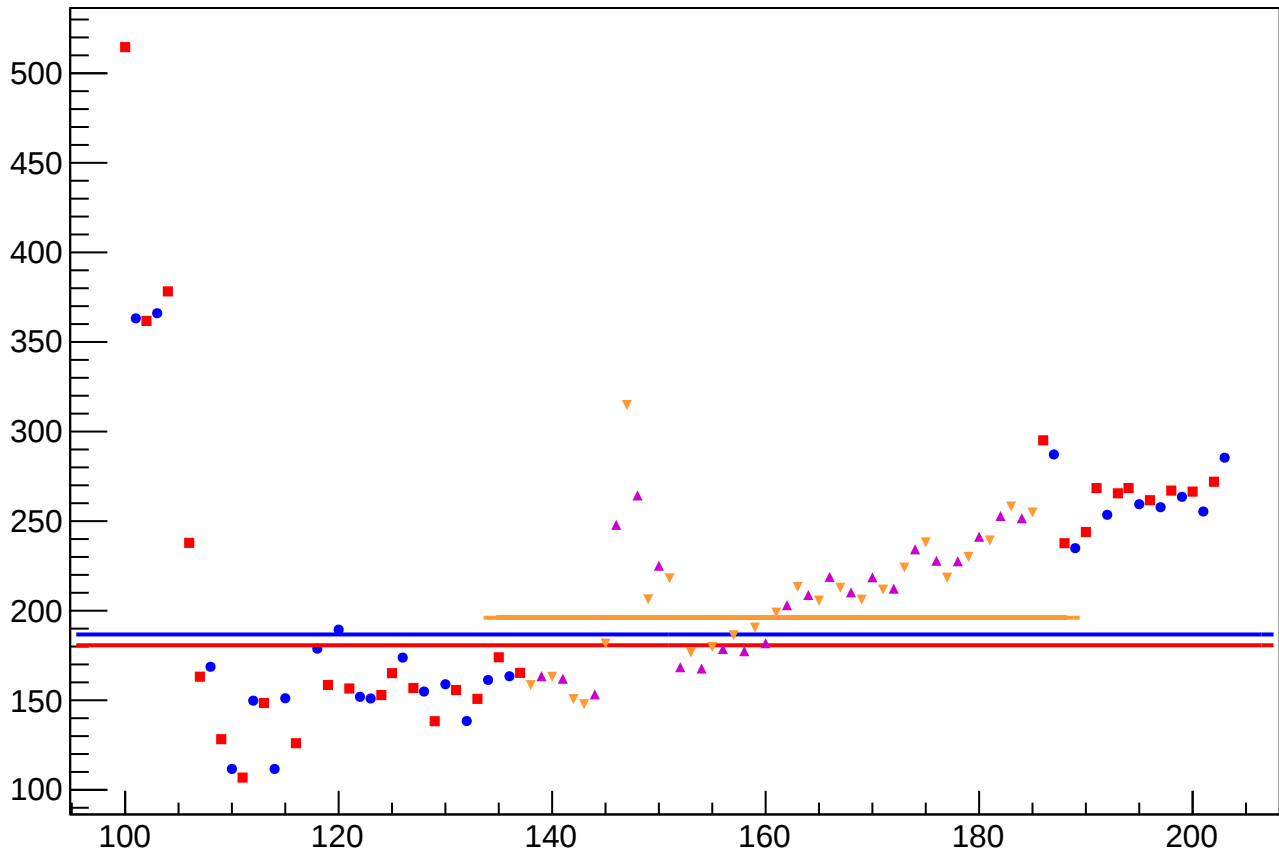
yield_bpm0l05WS_mean vs Slug



Right In: 130080.713 ± 0.057 $\chi^2/\text{NDF}: 9386902154.3/24$
 Left Out: 129335.946 ± 0.047 $\chi^2/\text{NDF}: 1450933621.0/24$
 Right Out: 130257.179 ± 0.053 $\chi^2/\text{NDF}: 10246723466.1/28$
 Left In: 129266.909 ± 0.048 $\chi^2/\text{NDF}: 1213762773.1/22$

+ sign 129635.503 ± 0.036 $\chi^2/\text{NDF}: 10940015043.0/24$
 All: 129675.585 ± 0.025 $\chi^2/\text{NDF}: 225941173.0/24$
 - sign 129714.601 ± 0.036 $\chi^2/\text{NDF}: 11651673328.0/24$

yield_bpm0l05WS_rms vs Slug



Right In: 186.741 $\pm$ 0.040 χ^2 /NDF: 2141096.2/24

Left Out: 196.077 $\pm$ 0.033 χ^2 /NDF: 975710.9/24

Right Out: 180.715 $\pm$ 0.037 χ^2 /NDF: 2749594.6/28

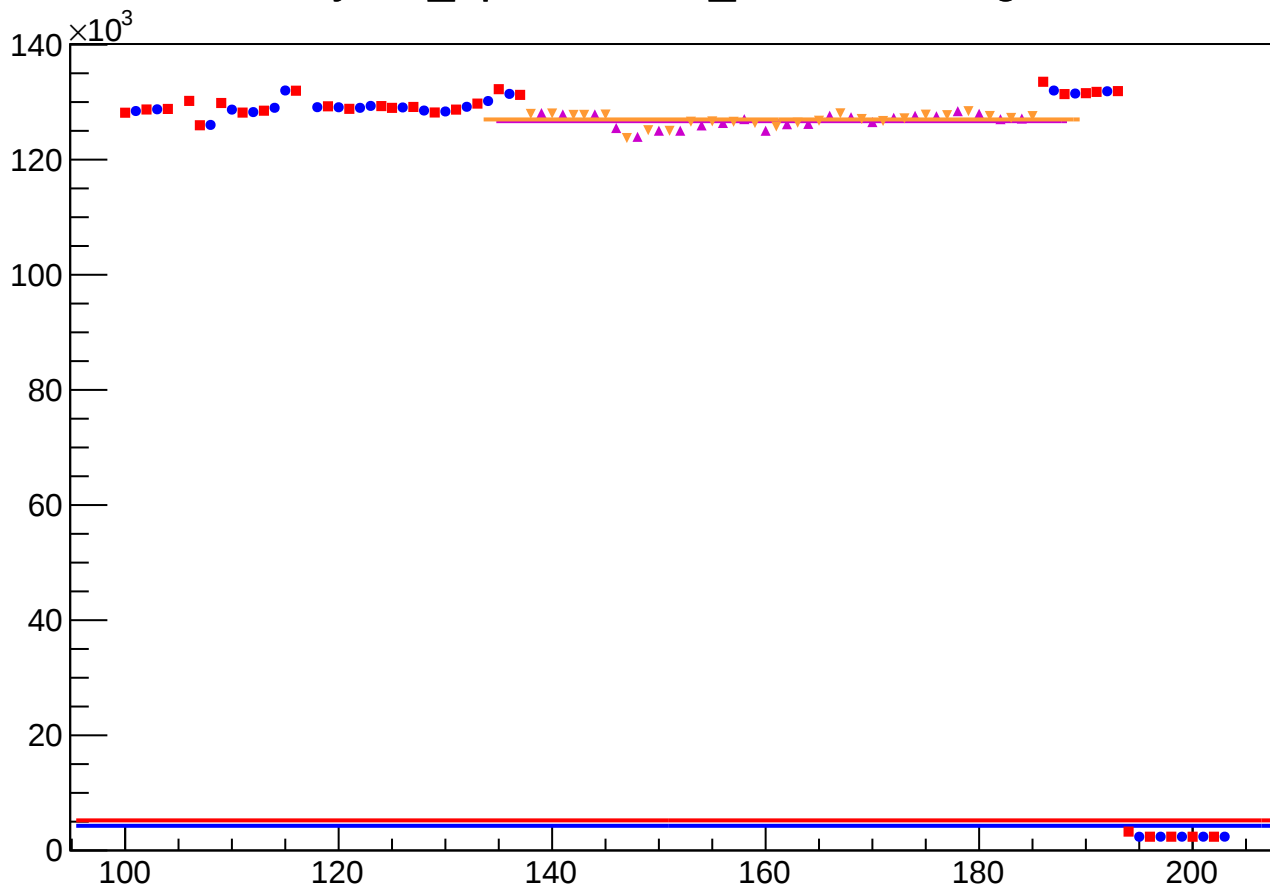
Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

+ sign 192.322 $\pm$ 0.026 χ^2 /NDF: 3148923.1/49

All: 190.736 $\pm$ 0.018 χ^2 /NDF: 6897508.9/103

- sign 189.192 $\pm$ 0.025 χ^2 /NDF: 3740978.1/51

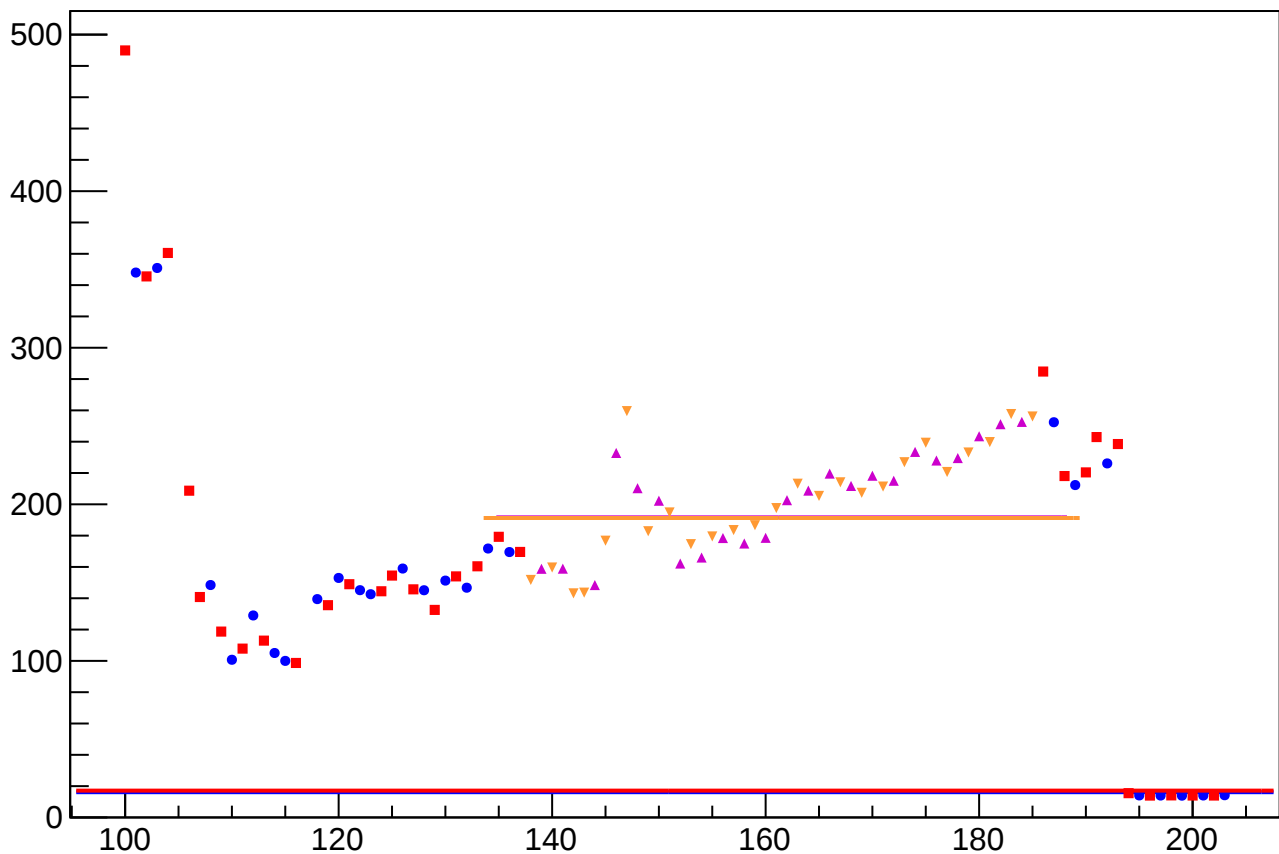
yield_bpm0l06WS_mean vs Slug



Right In: 4283.111 $\pm$ 0.007 χ^2 /NDF: 4858004343011.5/24
 Left Out: 126981.724 $\pm$ 0.046 χ^2 /NDF: 530573115.8/24
 Right Out: 5224.050 $\pm$ 0.008 χ^2 /NDF: 5753875053785.6/28
 Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22

+ sign 7102.263 $\pm$ 0.007 χ^2 /NDF: 11956436344963
 All: 7694.294 $\pm$ 0.005 χ^2 /NDF: 24232024783
 - sign 8415.873 $\pm$ 0.008 χ^2 /NDF: 12259255017822

yield_bpm0l06WS_rms vs Slug



Right In: 16.133+/-0.005 χ^2/NDF : 13227269.3/24

Left Out: 191.263+/-0.032 χ^2/NDF : 992566.2/24

Right Out: 17.137+/-0.005 χ^2/NDF : 15439279.3/28

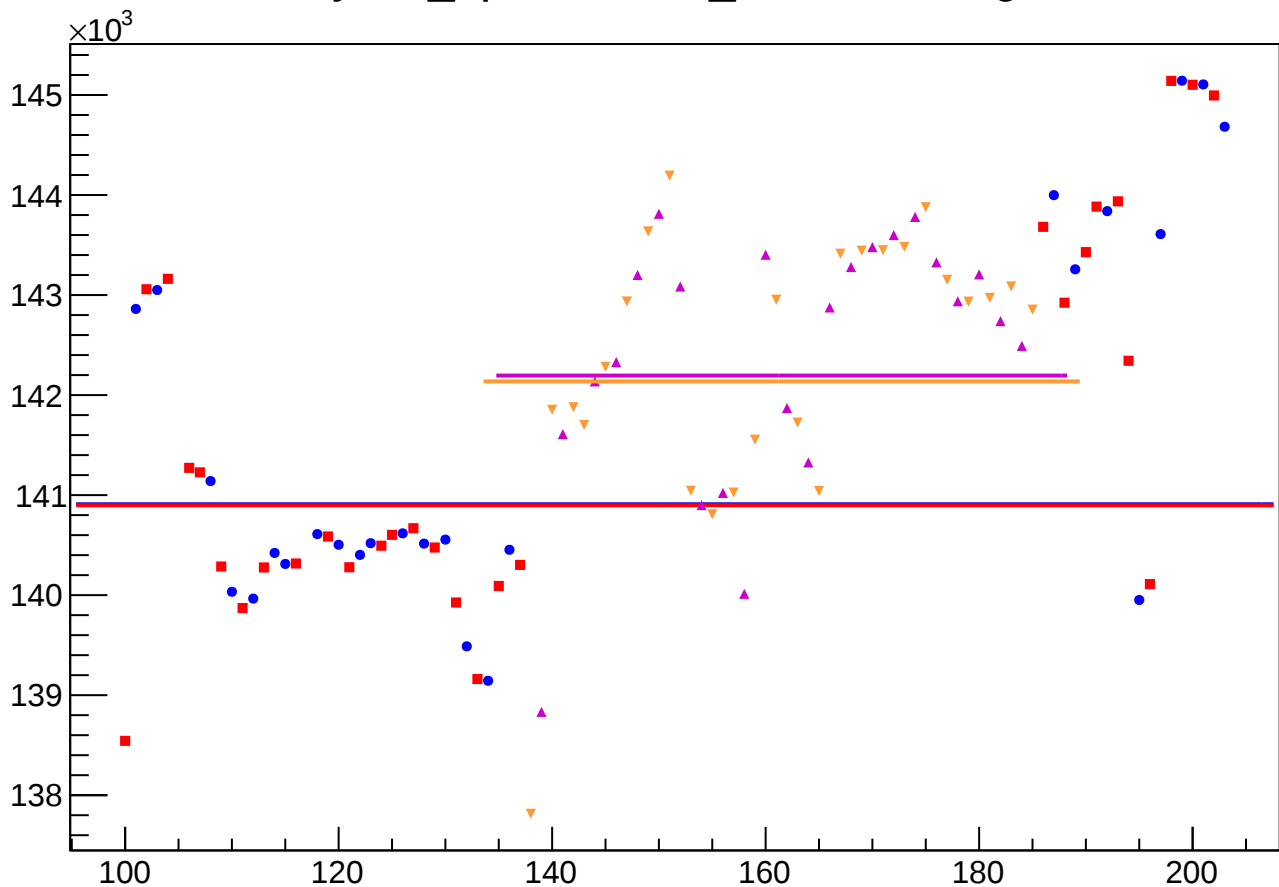
Left In: 191.683+/-0.033 χ^2/NDF : 864384.9/22

+ sign 20.157+/-0.005 χ^2/NDF : 43140043.1/49

All: 20.863+/-0.004 χ^2/NDF : 86357237.9/103

- sign 21.724+/-0.005 χ^2/NDF : 43170719.2/51

yield_bpm0l07WS_mean vs Slug



Right In: 140908.318 $\pm$ 0.059 χ^2 /NDF: 599972747.6/24

Left Out: 142136.579 $\pm$ 0.052 χ^2 /NDF: 815573343.0/24

Right Out: 140898.632 $\pm$ 0.054 χ^2 /NDF: 649973373.8/28

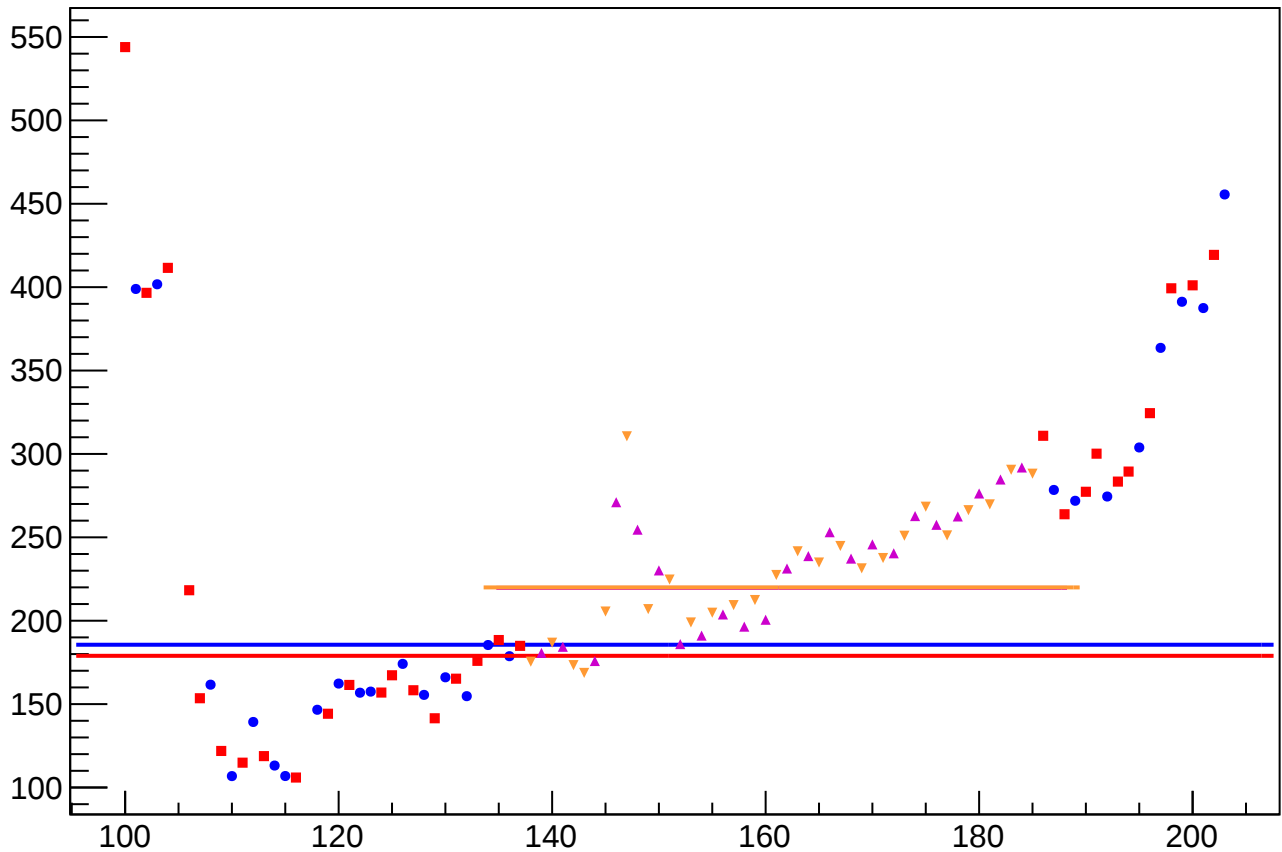
Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22

+ sign 141593.111 $\pm$ 0.039 χ^2 /NDF: 1659349646.0/24

All: 141570.817 $\pm$ 0.027 χ^2 /NDF: 324242242.0/24

- sign 141549.543 $\pm$ 0.038 χ^2 /NDF: 1582436479.2/24

yield_bpm0l07WS_rms vs Slug



Right In: 185.598+/-0.042 χ^2/NDF : 3924158.2/24

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 178.956+/-0.038 χ^2/NDF : 4380336.0/28

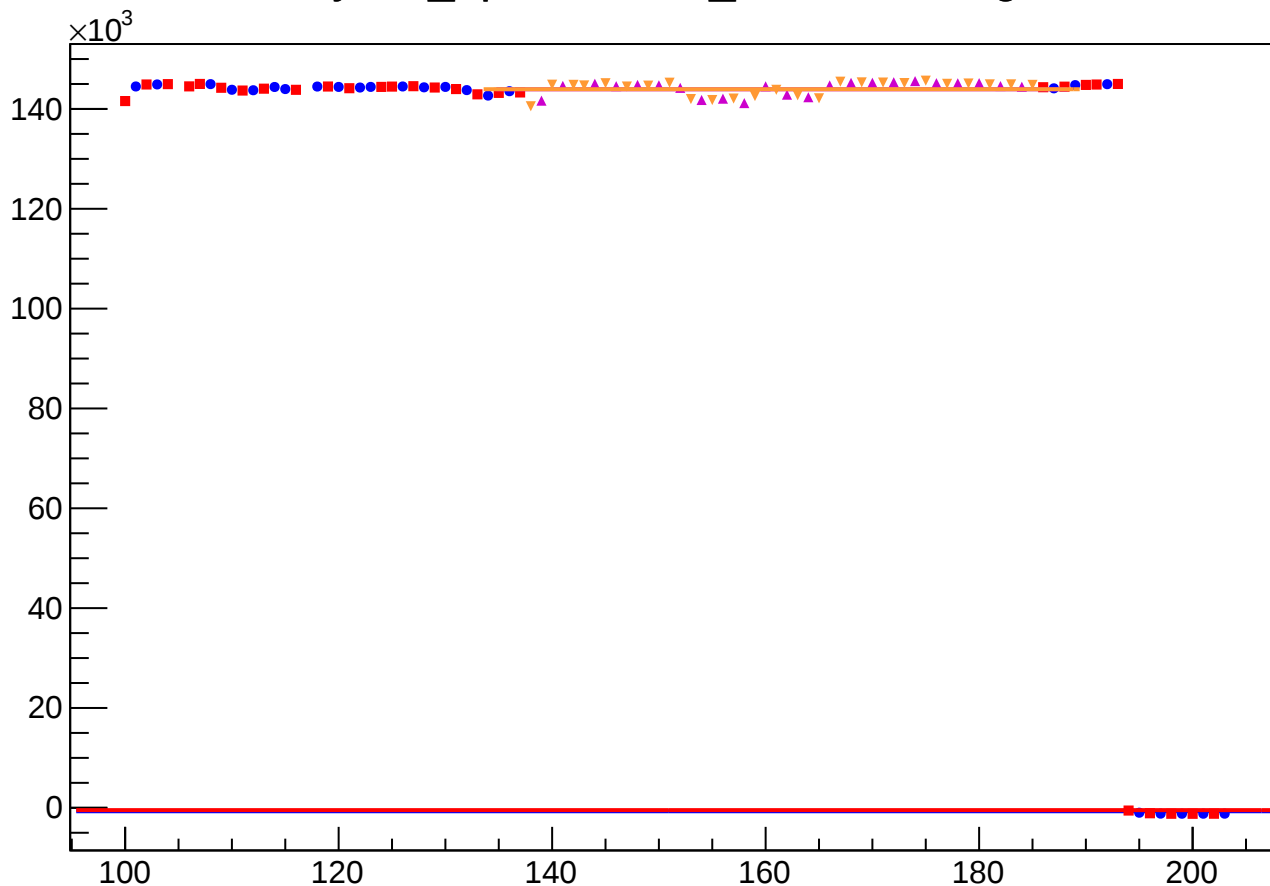
Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

+ sign 204.761+/-0.028 χ^2/NDF : 5172605.2/49

All: 202.021+/-0.019 χ^2/NDF : 10954299.7/10

- sign 199.406+/-0.027 χ^2/NDF : 5762465.5/51

yield_bpm0l08WS_mean vs Slug



Right In: -690.572 $\pm$ 0.004 χ^2 /NDF: 5288456100552.5/24

Left Out: 143951.284 $\pm$ 0.052 χ^2 /NDF: 864679545.2/24

Right Out: -465.311 $\pm$ 0.004 χ^2 /NDF: 6384552612821.8/28

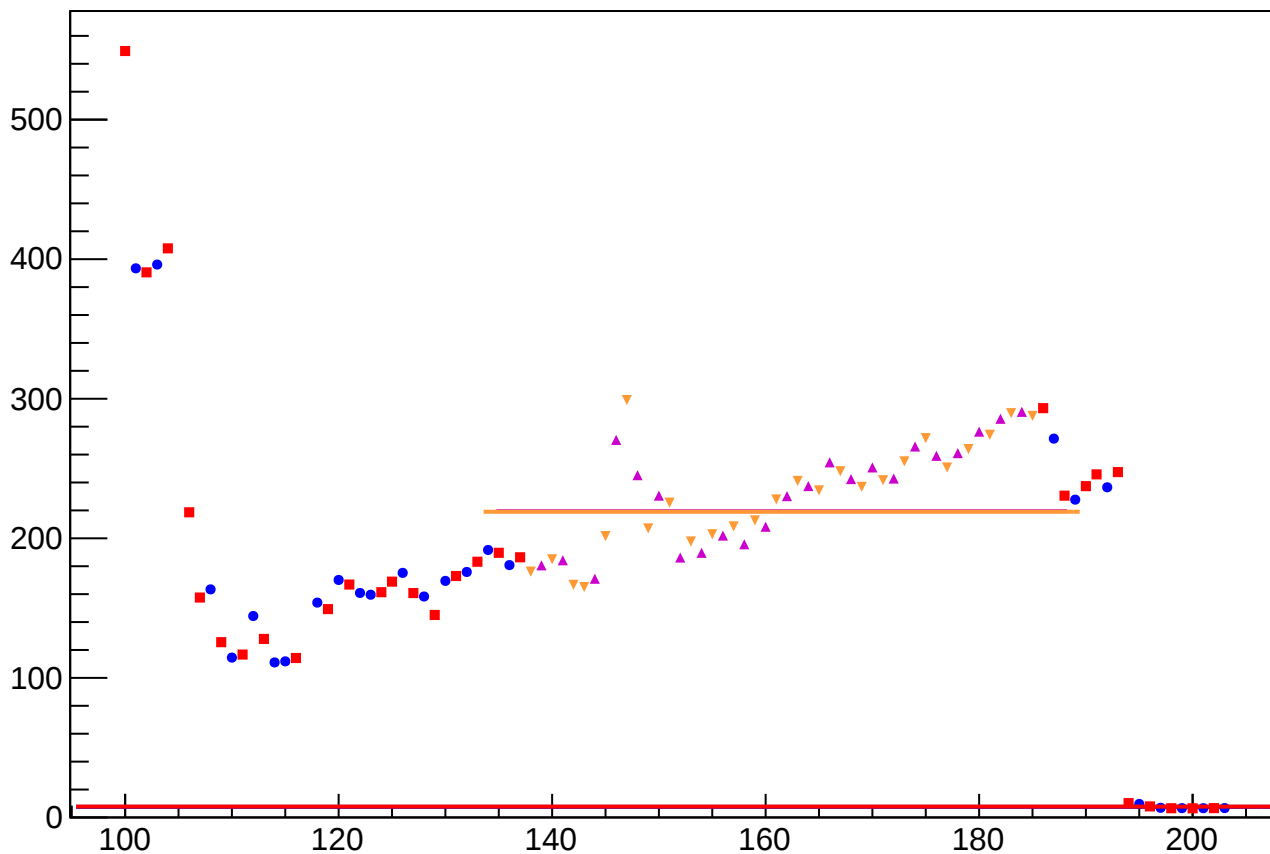
Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22

+ sign -14.645 $\pm$ 0.004 χ^2 /NDF: 12950289319879.8

All: 127.320 $\pm$ 0.003 χ^2 /NDF: 26494277995

- sign 298.749 $\pm$ 0.004 χ^2 /NDF: 13540486020382.1

yield_bpm0l08WS_rms vs Slug



Right In: 7.593 ± 0.003 χ^2/NDF : 14872608.6/24

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 7.780 ± 0.003 χ^2/NDF : 17391415.9/28

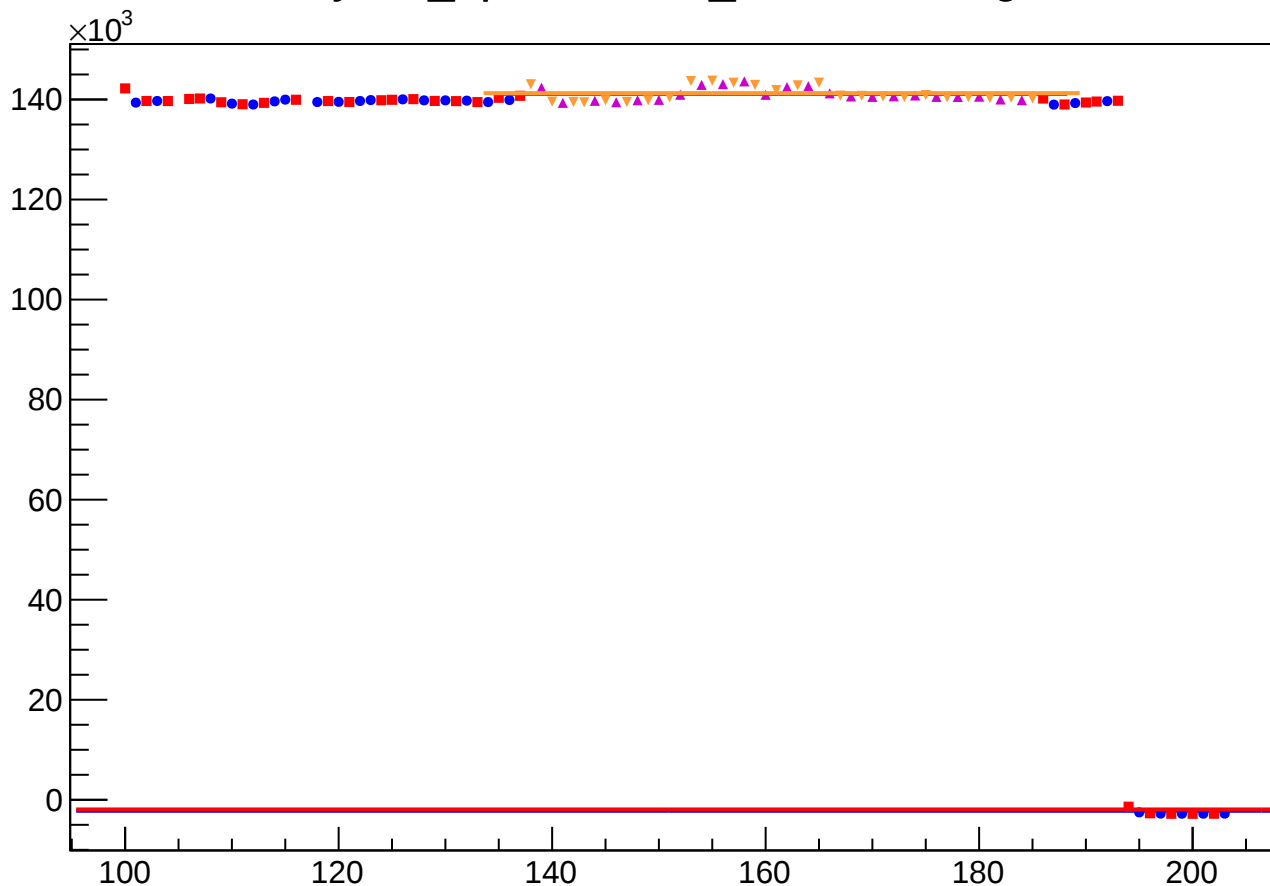
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 8.581 ± 0.003 χ^2/NDF : 48553713.7/49

All: 8.725 ± 0.002 χ^2/NDF : 97543383.2/101

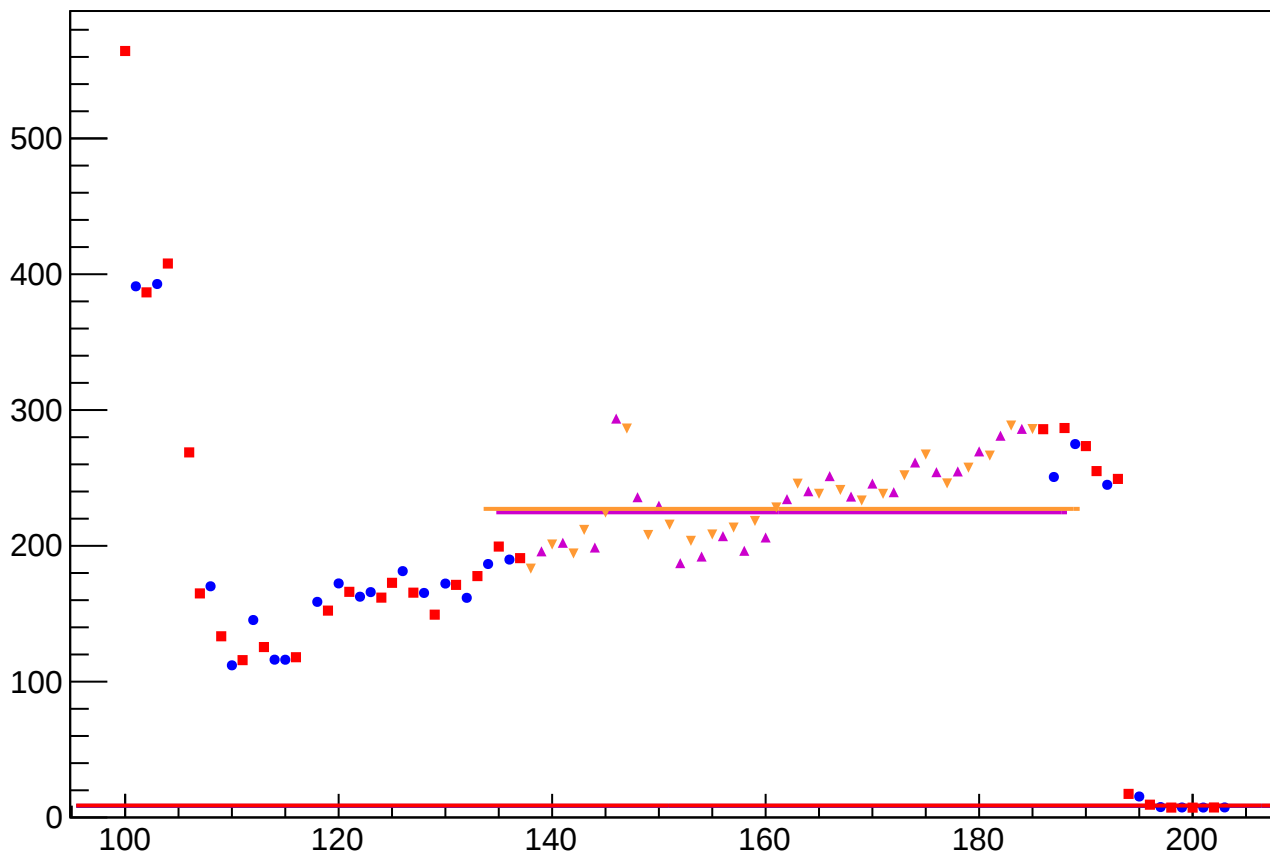
- sign 8.899 ± 0.003 χ^2/NDF : 48982456.3/51

yield_bpm0l09WS_mean vs Slug



Right In: -2187.364 $\pm$ 0.004 χ^2 /NDF: 4856441980473.6/24
 Left Out: 141268.791 $\pm$ 0.054 χ^2 /NDF: 795989244.2/24
 Right Out: -1927.268 $\pm$ 0.004 χ^2 /NDF: 5772269615710.0/28
 Left In: 141119.484 $\pm$ 0.055 χ^2 /NDF: 565312728.1/22
 + sign -1369.950 $\pm$ 0.004 χ^2 /NDF: 1195341821948
 All: -1196.003 $\pm$ 0.003 χ^2 /NDF: 2447104875
 - sign -985.906 $\pm$ 0.004 χ^2 /NDF: 12513564791442.

yield_bpm0l09WS_rms vs Slug



Right In: 8.533+/-0.003 χ^2/NDF : 15011251.5/24

Left Out: 227.224+/-0.038 χ^2/NDF : 484955.3/24

Right Out: 8.777+/-0.003 χ^2/NDF : 17406263.7/28

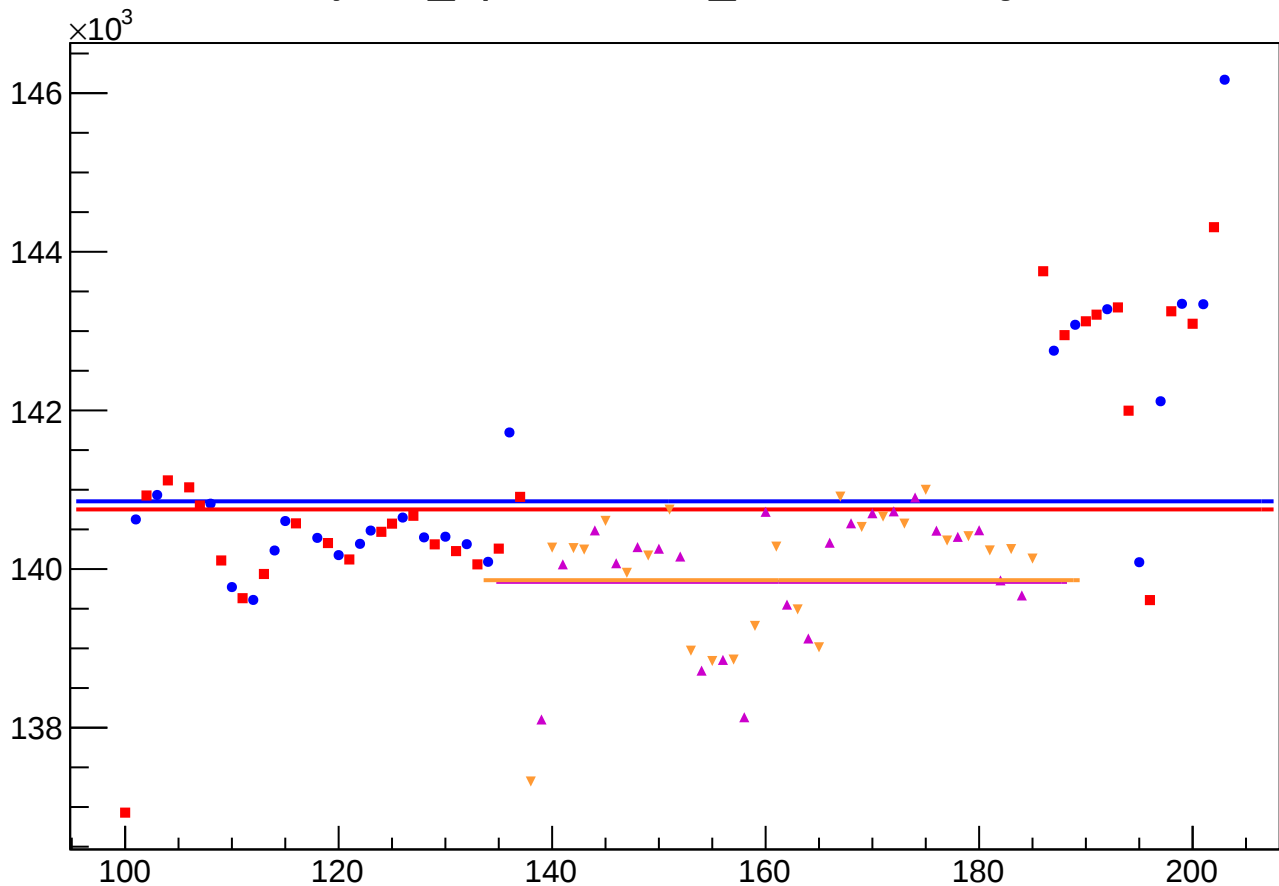
Left In: 224.686+/-0.039 χ^2/NDF : 578366.0/22

+ sign 9.779+/-0.003 χ^2/NDF : 48478384.0/49

All: 9.969+/-0.002 χ^2/NDF : 97185807.9/101

- sign 10.198+/-0.003 χ^2/NDF : 48697742.3/51

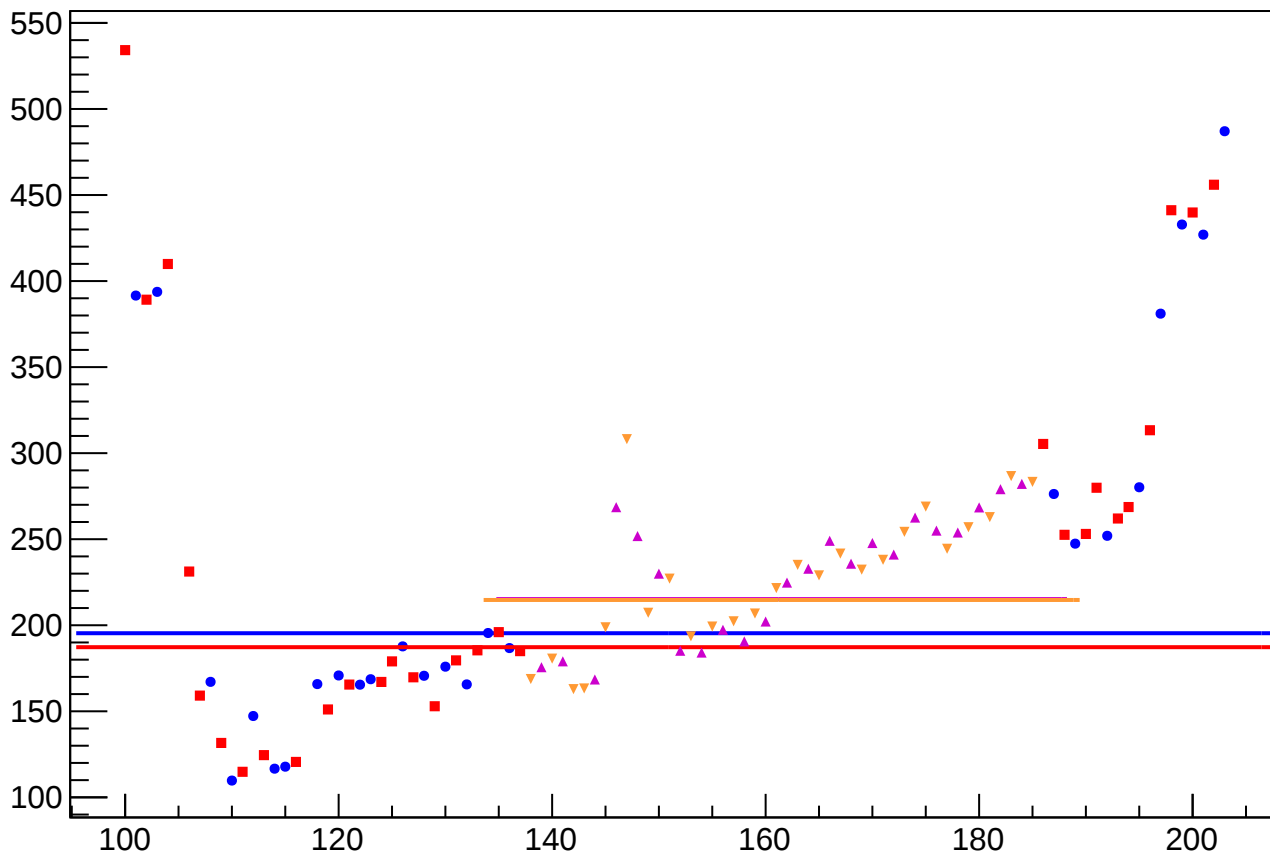
yield_bpm0l10WS_mean vs Slug



Right In: 140854.061 $\pm$ 0.061 χ^2 /NDF: 403440842.1/24
 Left Out: 139859.696 $\pm$ 0.051 χ^2 /NDF:330118281.5/24
 Right Out: 140751.818 $\pm$ 0.056 χ^2 /NDF: 426637853.4/28
 Left In: 139838.724 $\pm$ 0.053 χ^2 /NDF:279573689.3/22

+ sign 140265.864 $\pm$ 0.039 χ^2 /NDF: 888248500.3/4
 All: 140266.634 $\pm$ 0.027 χ^2 /NDF: 173486150
 - sign 140267.371 $\pm$ 0.038 χ^2 /NDF: 846612252.7/5

yield_bpm0l10WS_rms vs Slug



Right In: 195.369+/-0.043 χ^2/NDF : 3619829.7/24

Left Out: 214.693+/-0.036 χ^2/NDF : 981105.5/24

Right Out: 187.258+/-0.040 χ^2/NDF : 3958857.5/28

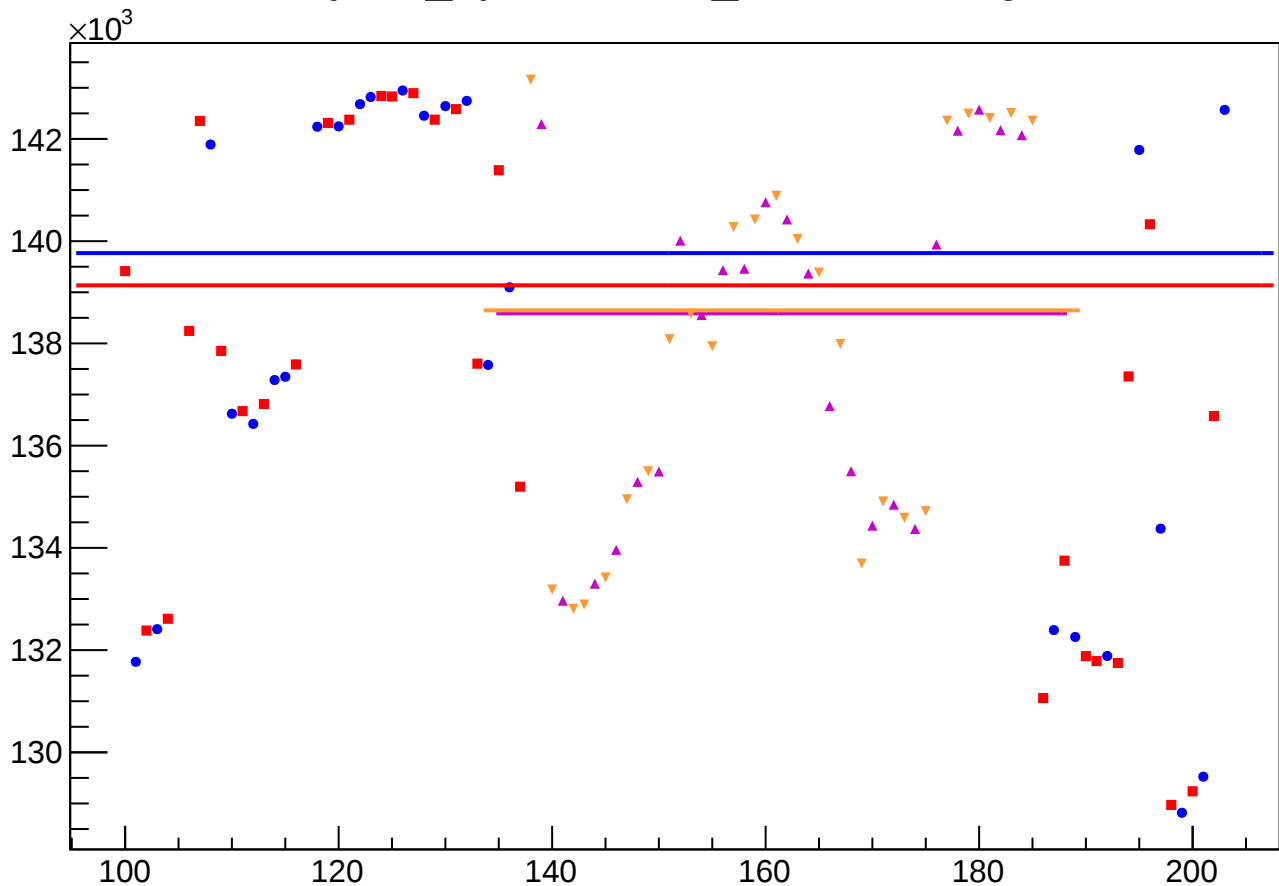
Left In: 215.222+/-0.037 χ^2/NDF : 881945.0/22

+ sign 206.800+/-0.028 χ^2/NDF : 4717770.3/49

All: 204.396+/-0.019 χ^2/NDF : 9836581.3/103

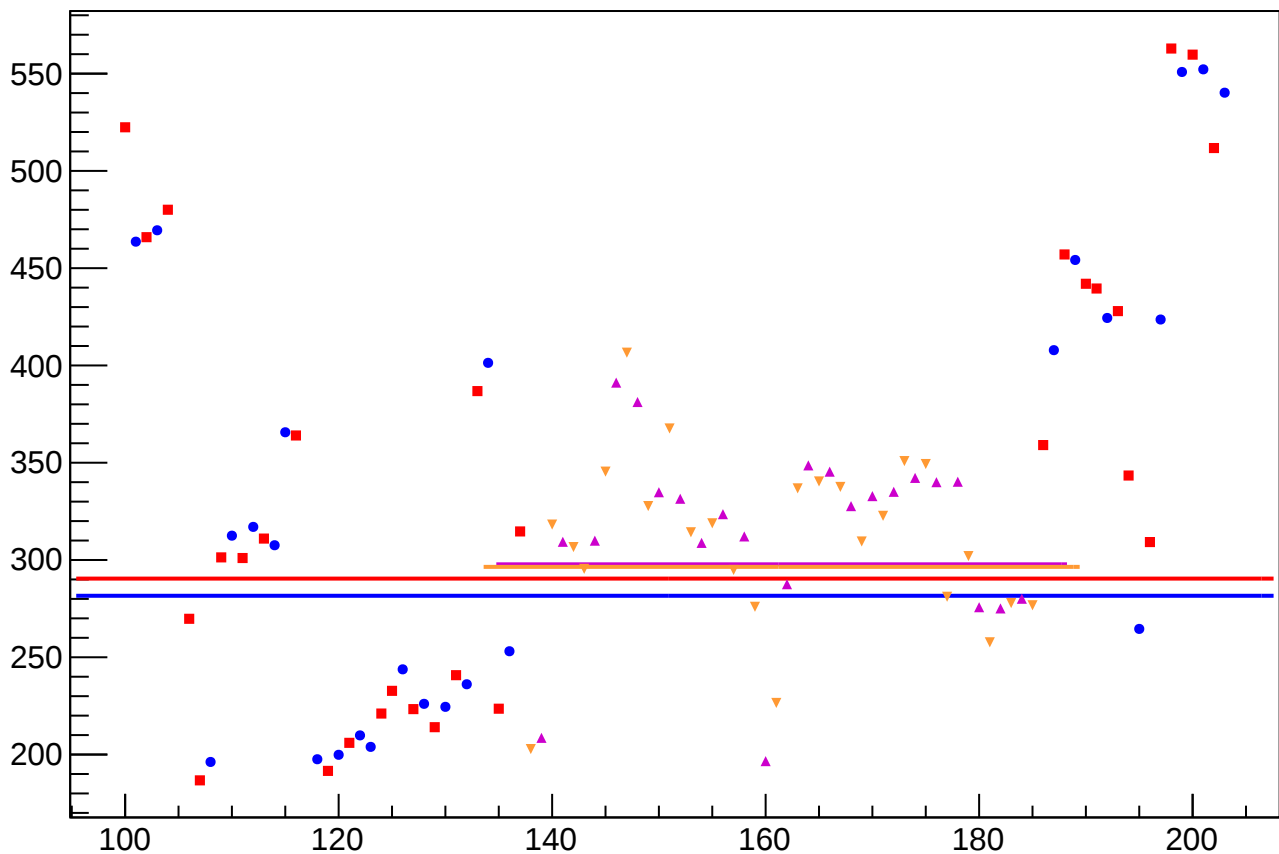
- sign 202.094+/-0.027 χ^2/NDF : 5104166.0/51

yield_bpm0r03WS_mean vs Slug



Right In: 139766.678 $\pm$ 0.087	χ^2/NDF : 2187866874.2/24	+ sign 139090.792 $\pm$ 0.055	χ^2/NDF : 4835691594.8
Left Out: 138646.366 $\pm$ 0.071	χ^2/NDF : 2548637600.4/24	All: 138958.314 $\pm$ 0.039	χ^2/NDF : 915123804
Right Out: 139136.125 $\pm$ 0.085	χ^2/NDF : 2332177111.5/28	- sign 138822.187 $\pm$ 0.056	χ^2/NDF : 4303796368.8
Left In: 138588.711 $\pm$ 0.074	χ^2/NDF : 1948065195.1/22		

yield_bpm0r03WS_rms vs Slug



Right In: 281.609+/-0.062 χ^2/NDF : 2777944.3/24

Left Out: 296.464+/-0.050 χ^2/NDF : 893579.7/24

Right Out: 290.438+/-0.060 χ^2/NDF : 2901081.2/28

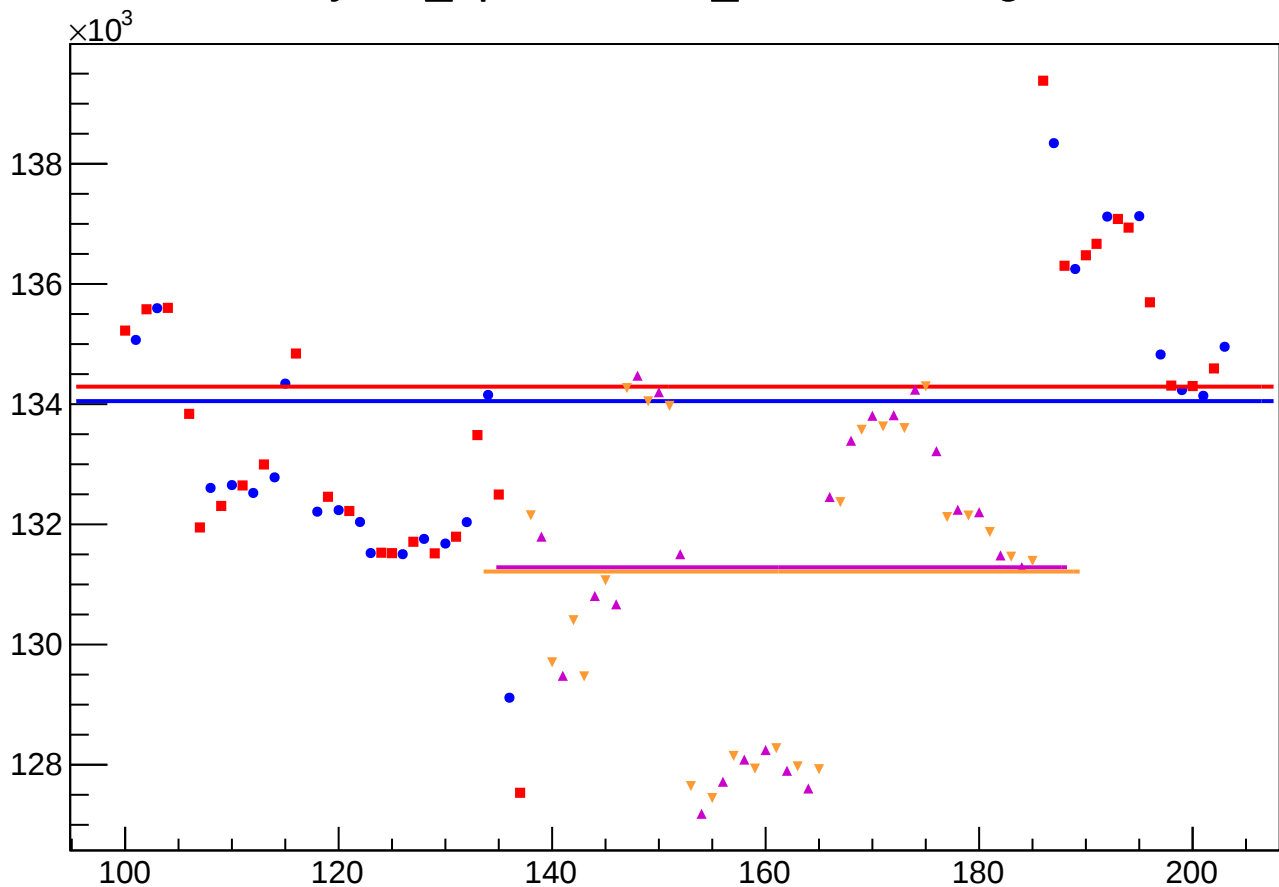
Left In: 297.774+/-0.052 χ^2/NDF : 1061489.5/22

+ sign 290.571+/-0.039 χ^2/NDF : 3706403.9/49

All: 292.581+/-0.028 χ^2/NDF : 7682841.7/100

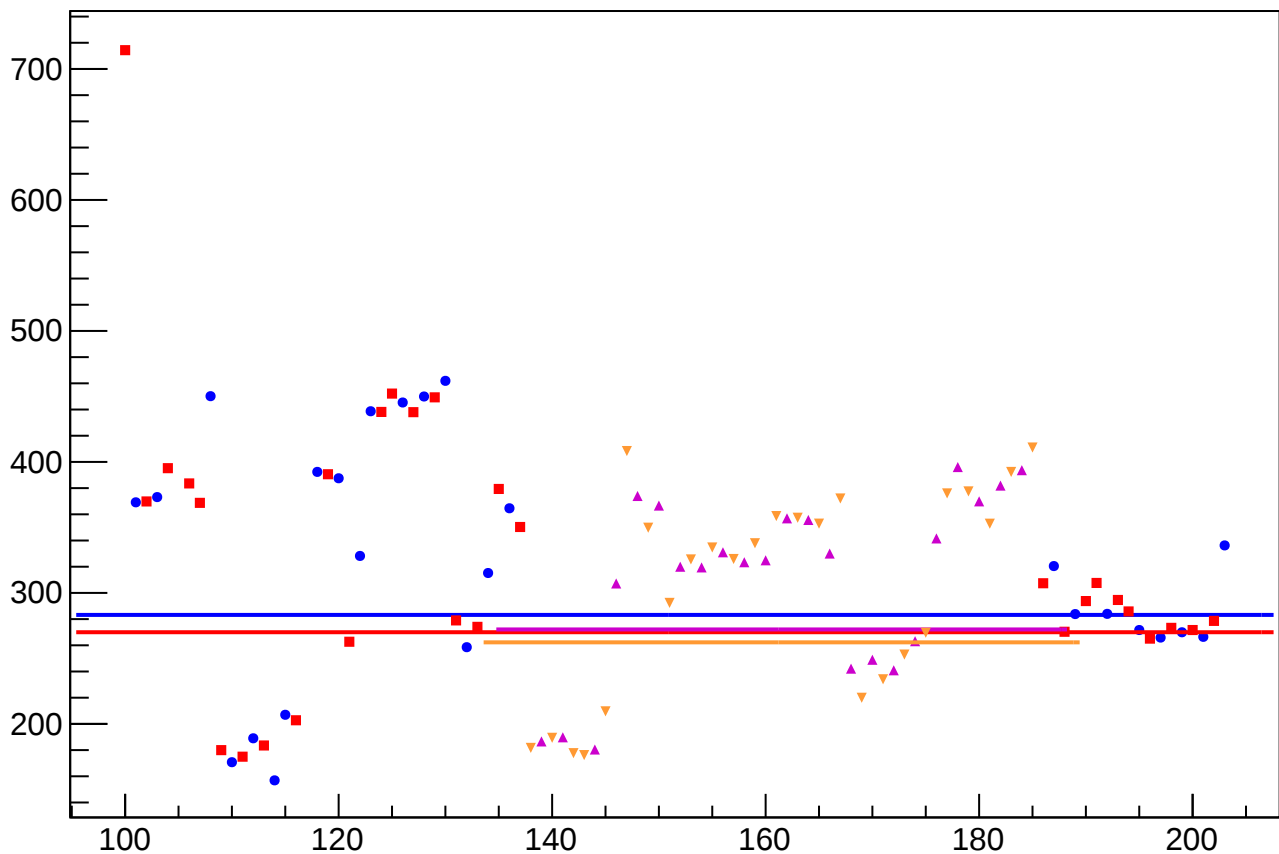
- sign 294.645+/-0.039 χ^2/NDF : 3971031.6/51

yield_bpm0r05WS_mean vs Slug



Right In: 134050.904 $\pm$ 0.085 χ^2 /NDF: 596593874.1/24
 Left Out: 131214.985 $\pm$ 0.064 χ^2 /NDF: 1173424494.6/24
 Right Out: 134291.614 $\pm$ 0.077 χ^2 /NDF: 677129384.0/28
 Left In: 131285.623 $\pm$ 0.068 χ^2 /NDF: 1056232192.1/22
 + sign 132250.233 $\pm$ 0.051 χ^2 /NDF: 2479761349.1/24
 All: 132428.407 $\pm$ 0.036 χ^2 /NDF: 508724069.0/24
 - sign 132606.038 $\pm$ 0.051 χ^2 /NDF: 2583342513.4/24

yield_bpm0r05WS_rms vs Slug



Right In: 283.205 ± 0.060 $\chi^2/\text{NDF}: 1576411.6/24$

Left Out: 262.260 ± 0.045 $\chi^2/\text{NDF}: 2818169.1/24$

Right Out: 269.987 ± 0.055 $\chi^2/\text{NDF}: 1668031.5/28$

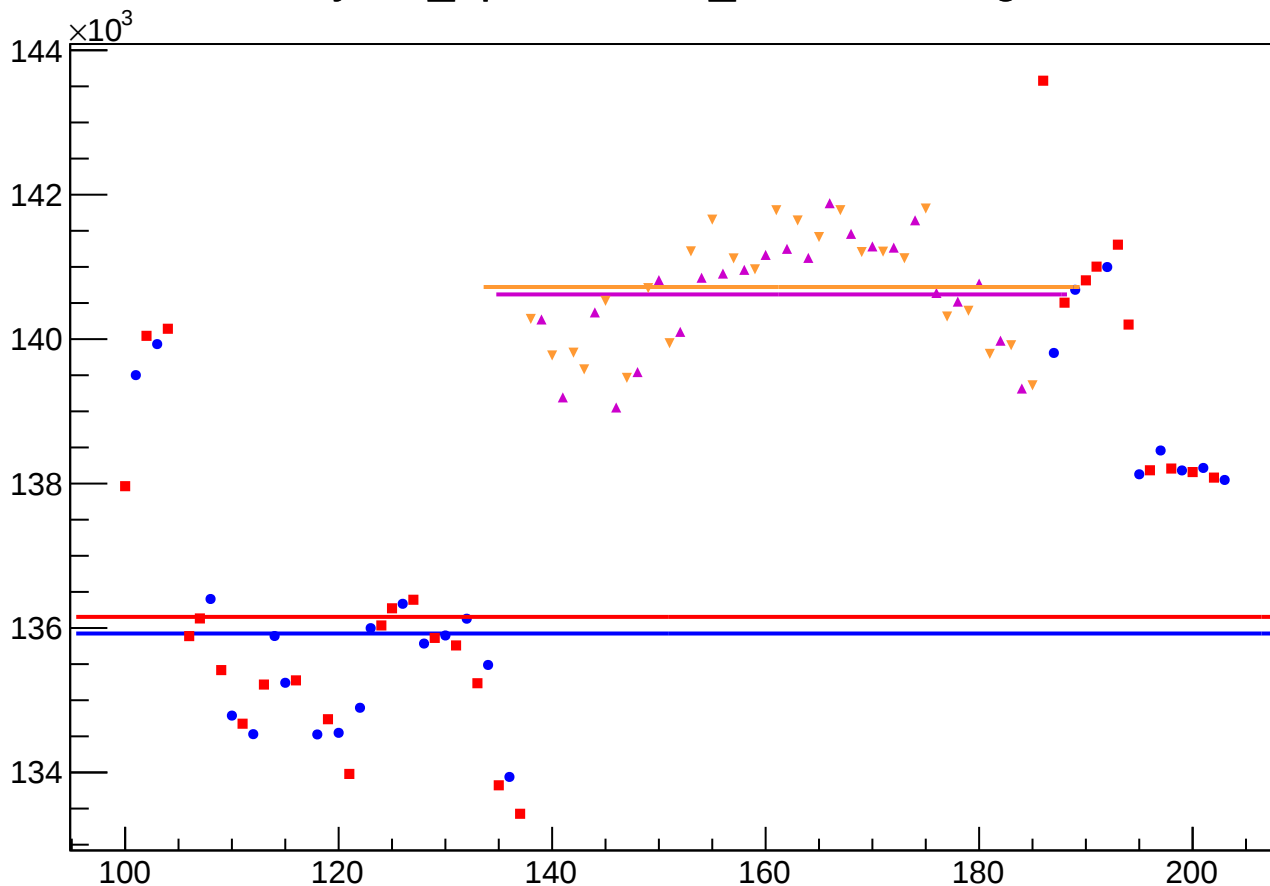
Left In: 272.115 ± 0.048 $\chi^2/\text{NDF}: 2221925.0/22$

+ sign 269.906 ± 0.036 $\chi^2/\text{NDF}: 4472015.8/49$

All: 270.544 ± 0.026 $\chi^2/\text{NDF}: 8363443.2/100$

- sign 271.180 ± 0.036 $\chi^2/\text{NDF}: 3890808.4/51$

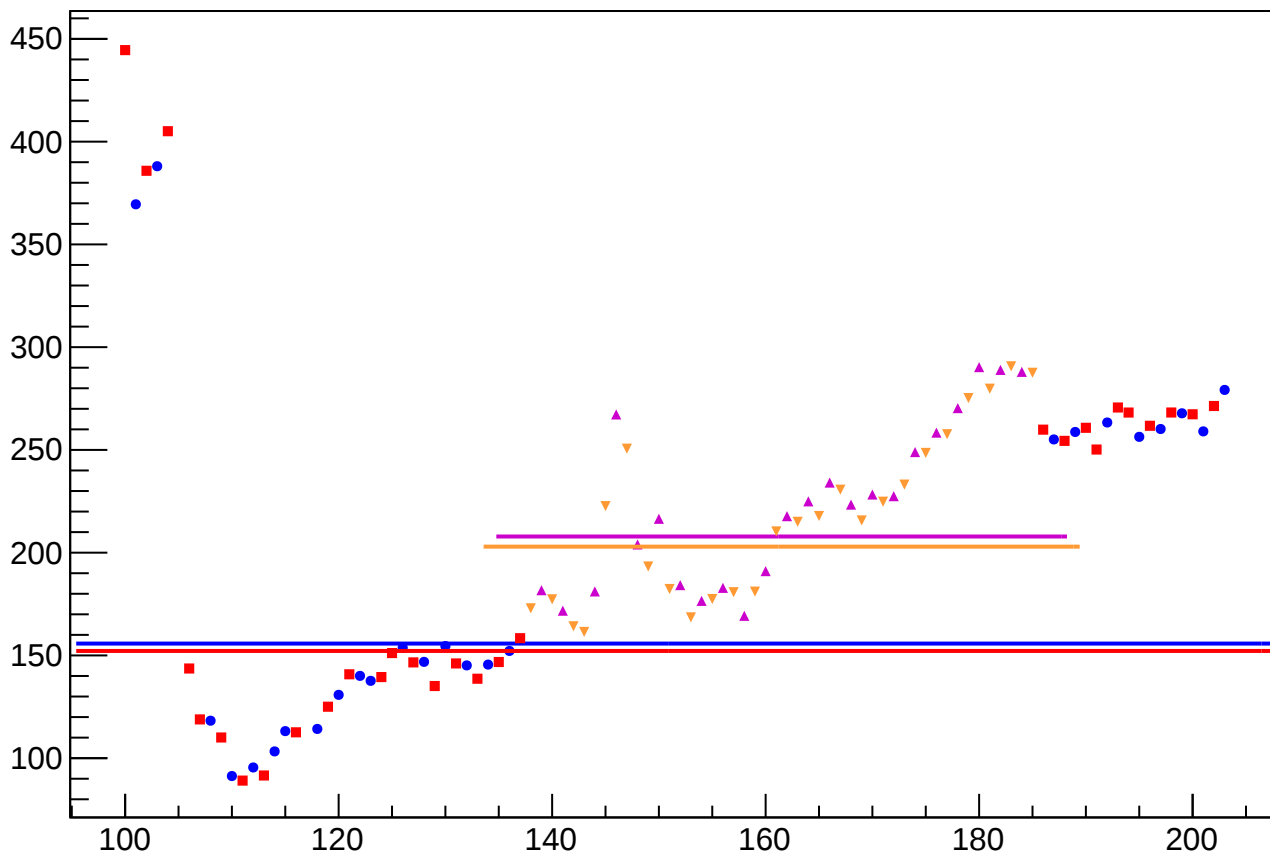
yield_bpm0i02WS_mean vs Slug



Right In: 135923.933 $\pm$ 0.049 χ^2 /NDF: 1369879754.3/24
 Left Out: 140721.823 $\pm$ 0.048 χ^2 /NDF: 247257762.8/24
 Right Out: 136154.068 $\pm$ 0.046 χ^2 /NDF: 2023888092.0/28
 Left In: 140619.038 $\pm$ 0.051 χ^2 /NDF: 200370178.0/22

+ sign 138350.869 $\pm$ 0.034 χ^2 /NDF: 6471867821.3
 All: 138250.921 $\pm$ 0.024 χ^2 /NDF: 129329768
 - sign 138152.427 $\pm$ 0.034 χ^2 /NDF: 6444375230.9

yield_bpm0i02WS_rms vs Slug



Right In: 155.768+/-0.035 χ^2/NDF : 3648019.1/24

Left Out: 202.934+/-0.034 χ^2/NDF : 1052283.6/24

Right Out: 152.179+/-0.033 χ^2/NDF : 4254063.9/28

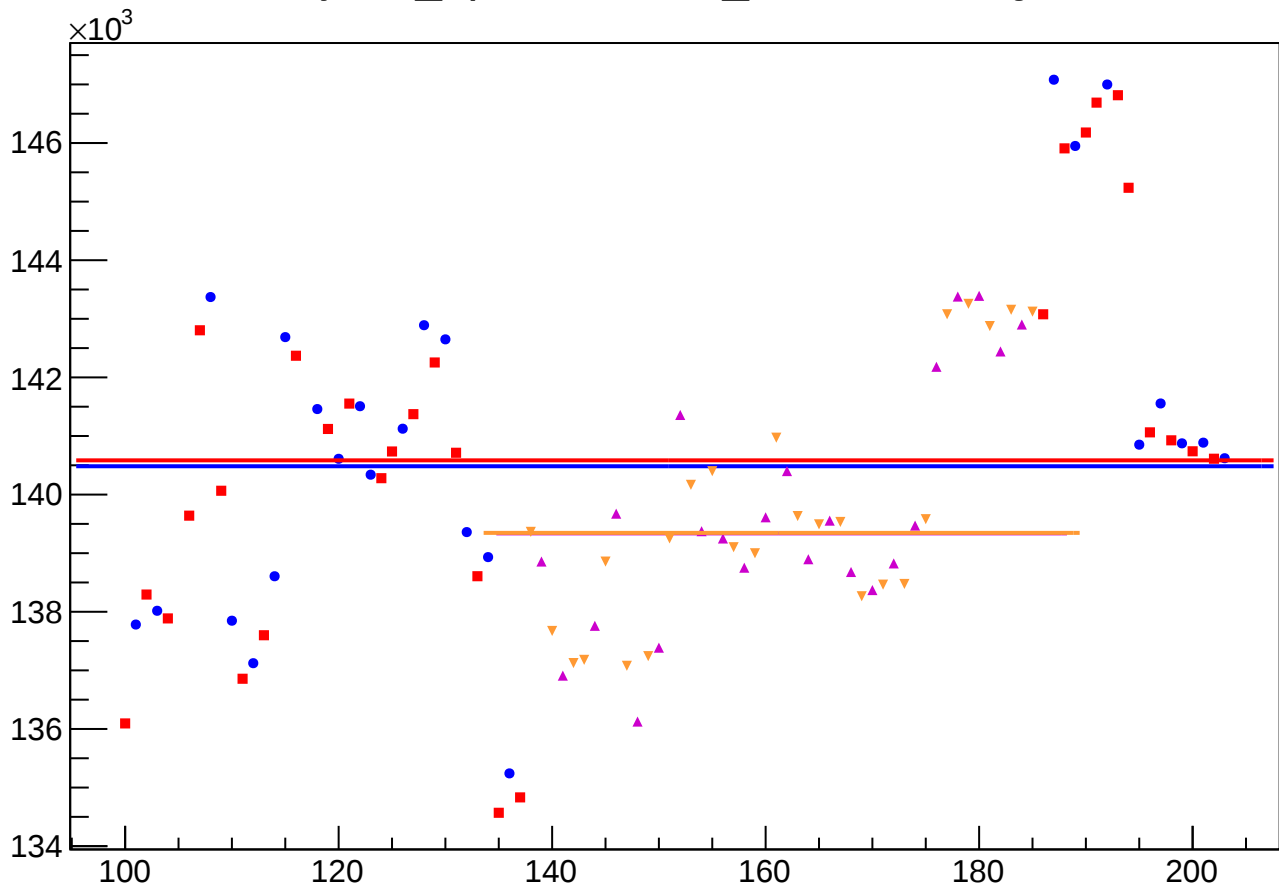
Left In: 207.872+/-0.036 χ^2/NDF : 949200.3/22

+ sign 179.626+/-0.024 χ^2/NDF : 5638635.8/49

All: 178.356+/-0.017 χ^2/NDF : 12160467.1/100

- sign 177.105+/-0.024 χ^2/NDF : 6516429.5/51

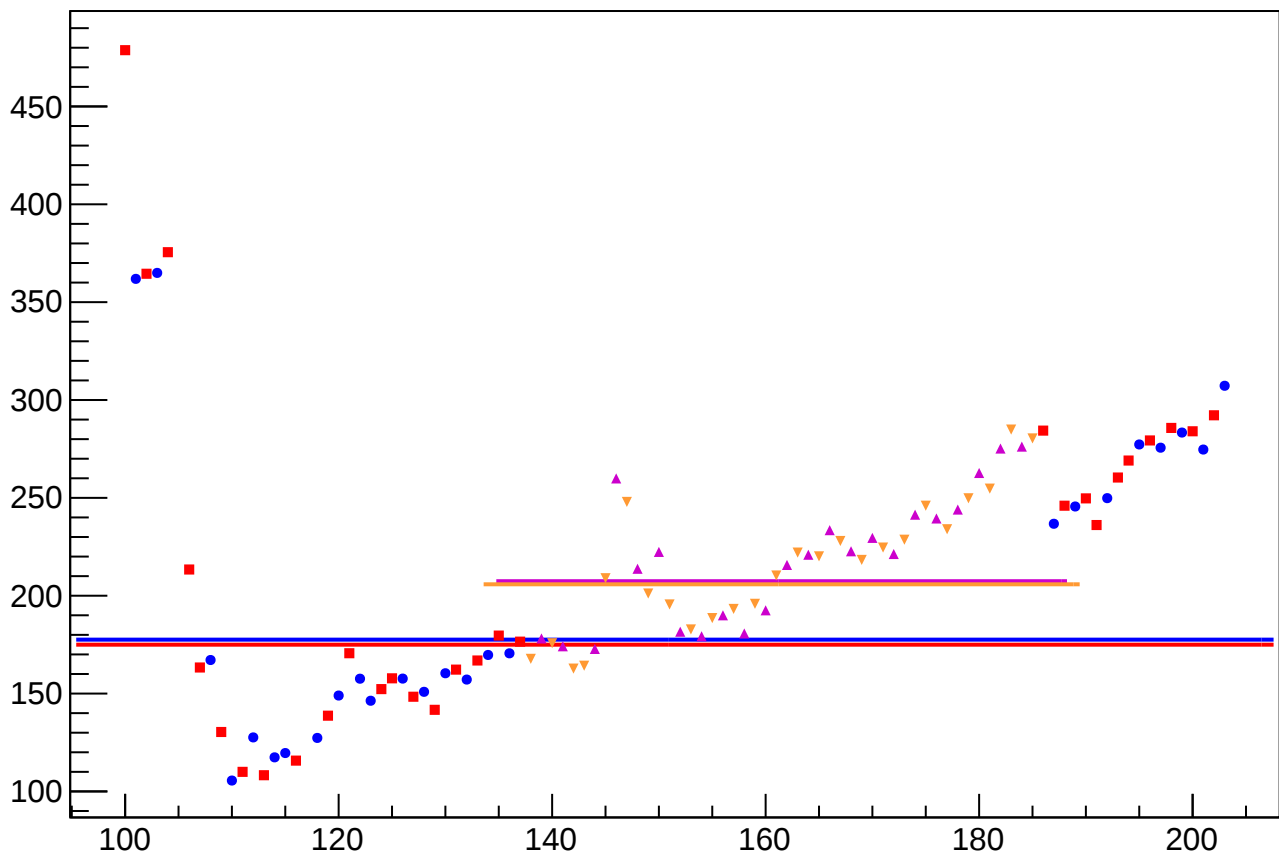
yield_bpm0i02aWS_mean vs Slug



Right In: 140483.559 ± 0.055 $\chi^2/\text{NDF}: 2770970577.3/24$
 Left Out: 139346.604 ± 0.049 $\chi^2/\text{NDF}: 1271172976.7/24$
 Right Out: 140584.408 ± 0.052 $\chi^2/\text{NDF}: 3211290795.1/28$
 Left In: 139337.874 ± 0.051 $\chi^2/\text{NDF}: 1293003954.9/22$

+ sign 139852.367 ± 0.036 $\chi^2/\text{NDF}: 4281980869.2/24$
 All: 139901.735 ± 0.026 $\chi^2/\text{NDF}: 908537470.0/24$
 - sign 139950.485 ± 0.036 $\chi^2/\text{NDF}: 4799754712.0/24$

yield_bpm0i02aWS_rms vs Slug



Right In: 177.556+/-0.039 χ^2/NDF : 2777813.9/24

Left Out: 205.833+/-0.035 χ^2/NDF : 738666.4/24

Right Out: 174.982+/-0.037 χ^2/NDF : 3240979.2/28

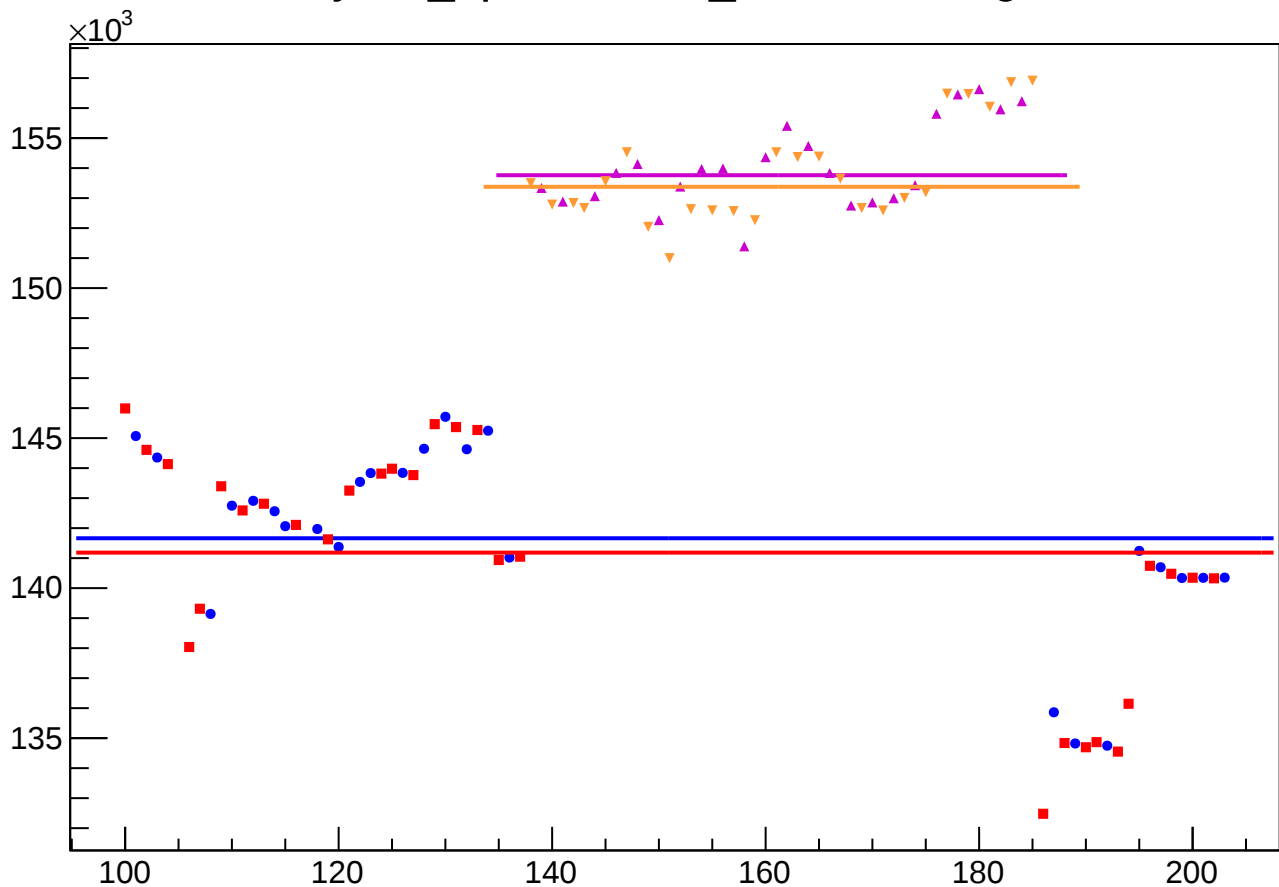
Left In: 207.416+/-0.036 χ^2/NDF : 701955.3/22

+ sign 193.254+/-0.026 χ^2/NDF : 3813183.9/49

All: 192.360+/-0.018 χ^2/NDF : 8158570.9/103

- sign 191.476+/-0.026 χ^2/NDF : 4342997.7/51

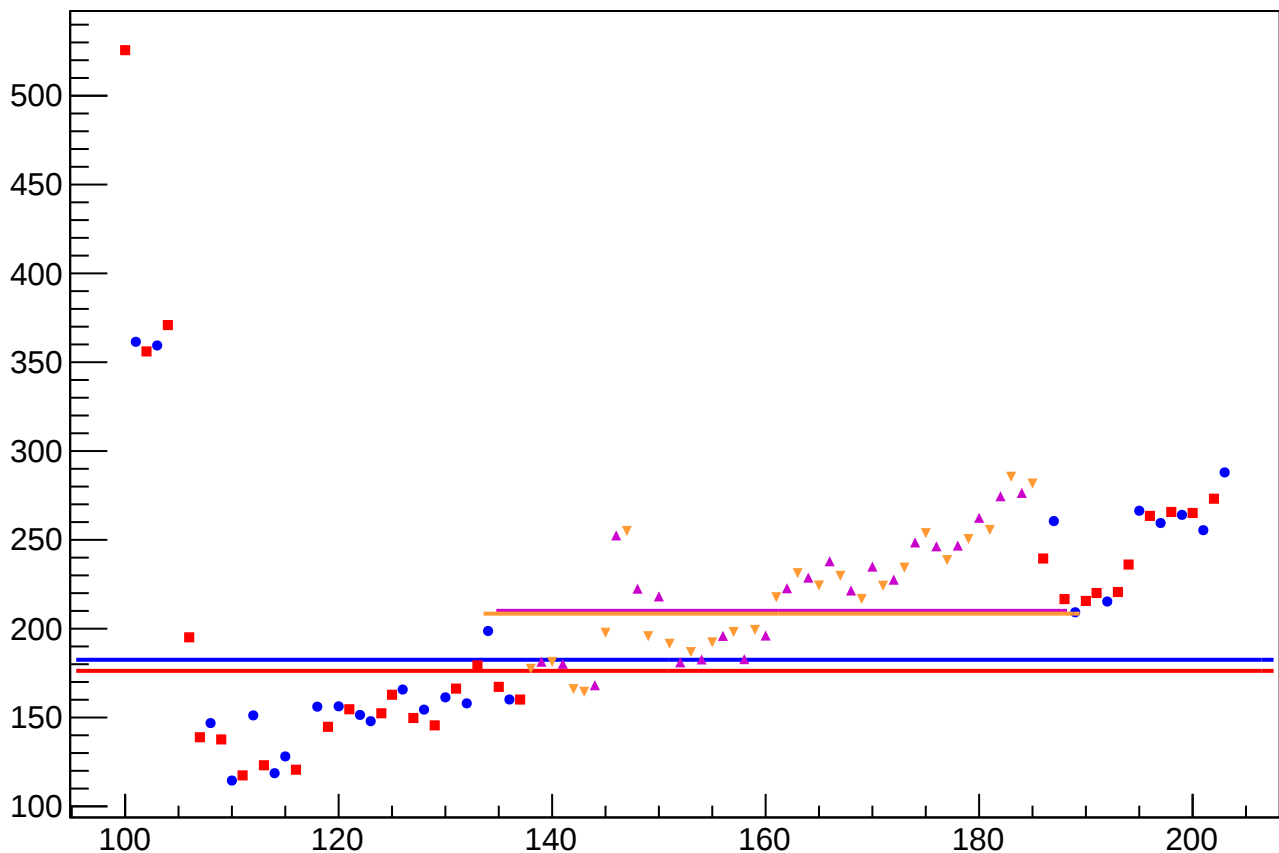
yield_bpm0i05WS_mean vs Slug



Right In: 141662.104 $\pm$ 0.055 χ^2 /NDF: 2659528982.5/24
 Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24
 Right Out: 141183.528 $\pm$ 0.051 χ^2 /NDF: 4411062264.6/28
 Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

+ sign 148161.936 $\pm$ 0.037 χ^2 /NDF: 28359038099.
 All: 147792.450 $\pm$ 0.026 χ^2 /NDF: 636718483.
 - sign 147435.451 $\pm$ 0.036 χ^2 /NDF: 35115653601.2

yield_bpm0i05WS_rms vs Slug



Right In: 182.500 $\pm$ 0.039 χ^2 /NDF: 2042438.3/24

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 176.269 $\pm$ 0.036 χ^2 /NDF: 2336798.9/28

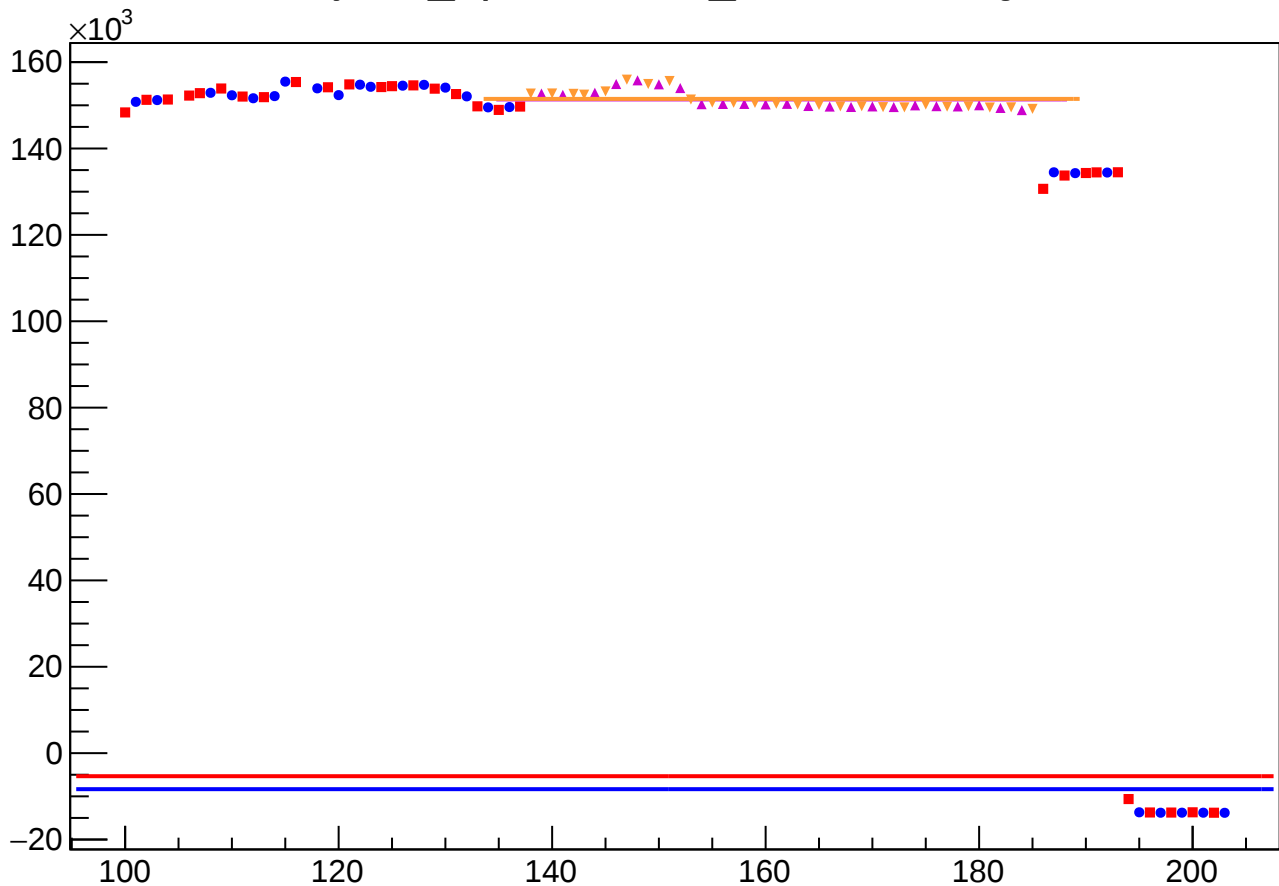
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 196.907 $\pm$ 0.026 χ^2 /NDF: 3007959.4/49

All: 194.947 $\pm$ 0.018 χ^2 /NDF: 6491638.3/100

- sign 193.053 $\pm$ 0.026 χ^2 /NDF: 3472579.3/51

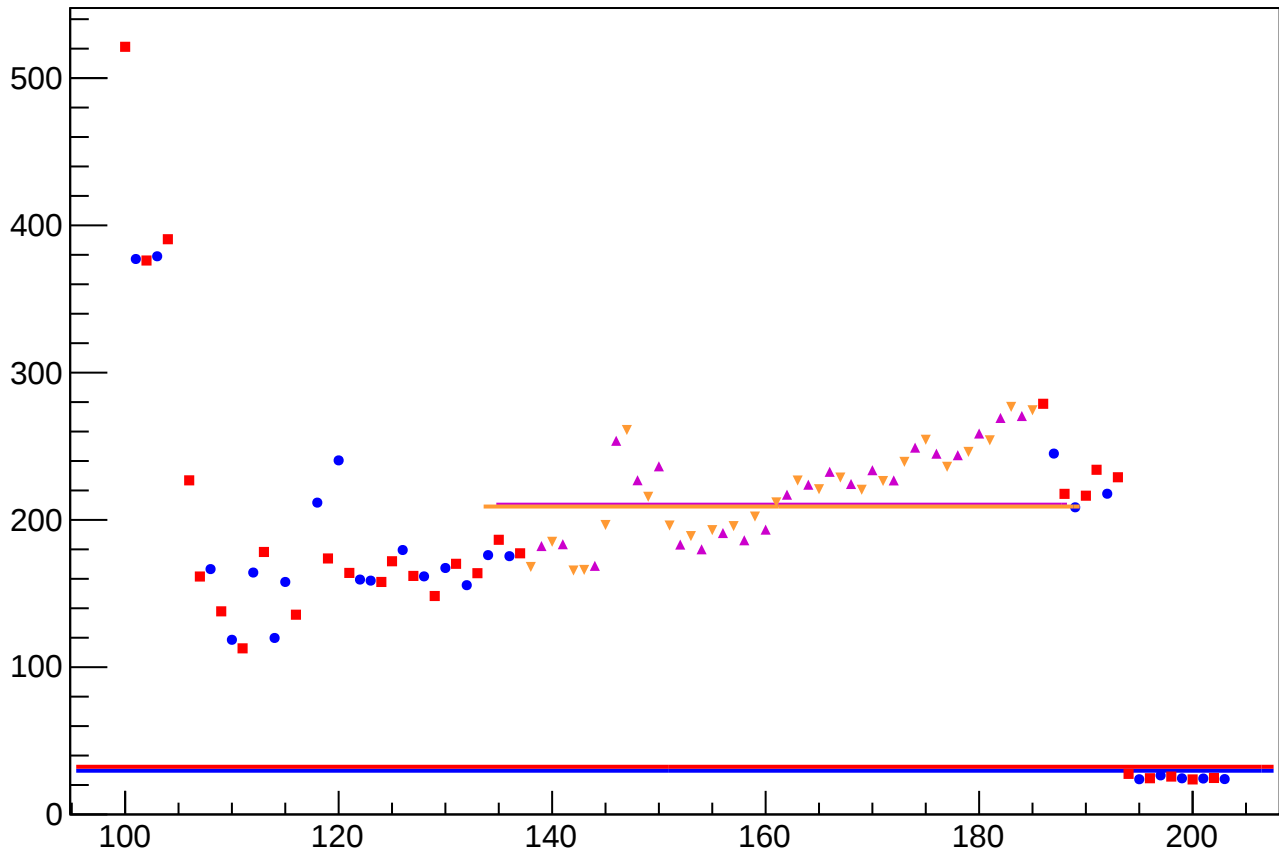
yield_bpm0i07WS_mean vs Slug



Right In: -8338.713 ± 0.012 $\chi^2/\text{NDF}: 5815132905671.0/24$
 Left Out: 151483.385 ± 0.050 $\chi^2/\text{NDF}: 1481910066.9/24$
 Right Out: -5336.496 ± 0.013 $\chi^2/\text{NDF}: 6998362109491.7/28$
 Left In: 151363.165 ± 0.051 $\chi^2/\text{NDF}: 1421662089.0/22$

+ sign 764.427 ± 0.012 $\chi^2/\text{NDF}: 15638633493581.0/24$
 All: 2522.195 ± 0.009 $\chi^2/\text{NDF}: 31389327012.0/24$
 - sign 4638.585 ± 0.013 $\chi^2/\text{NDF}: 15701942851327.0/24$

yield_bpm0i07WS_rms vs Slug



Right In: 29.694+/-0.009 χ^2/NDF : 11420172.9/24

Left Out: 209.076+/-0.035 χ^2/NDF : 708260.3/24

Right Out: 32.380+/-0.009 χ^2/NDF : 13169014.5/28

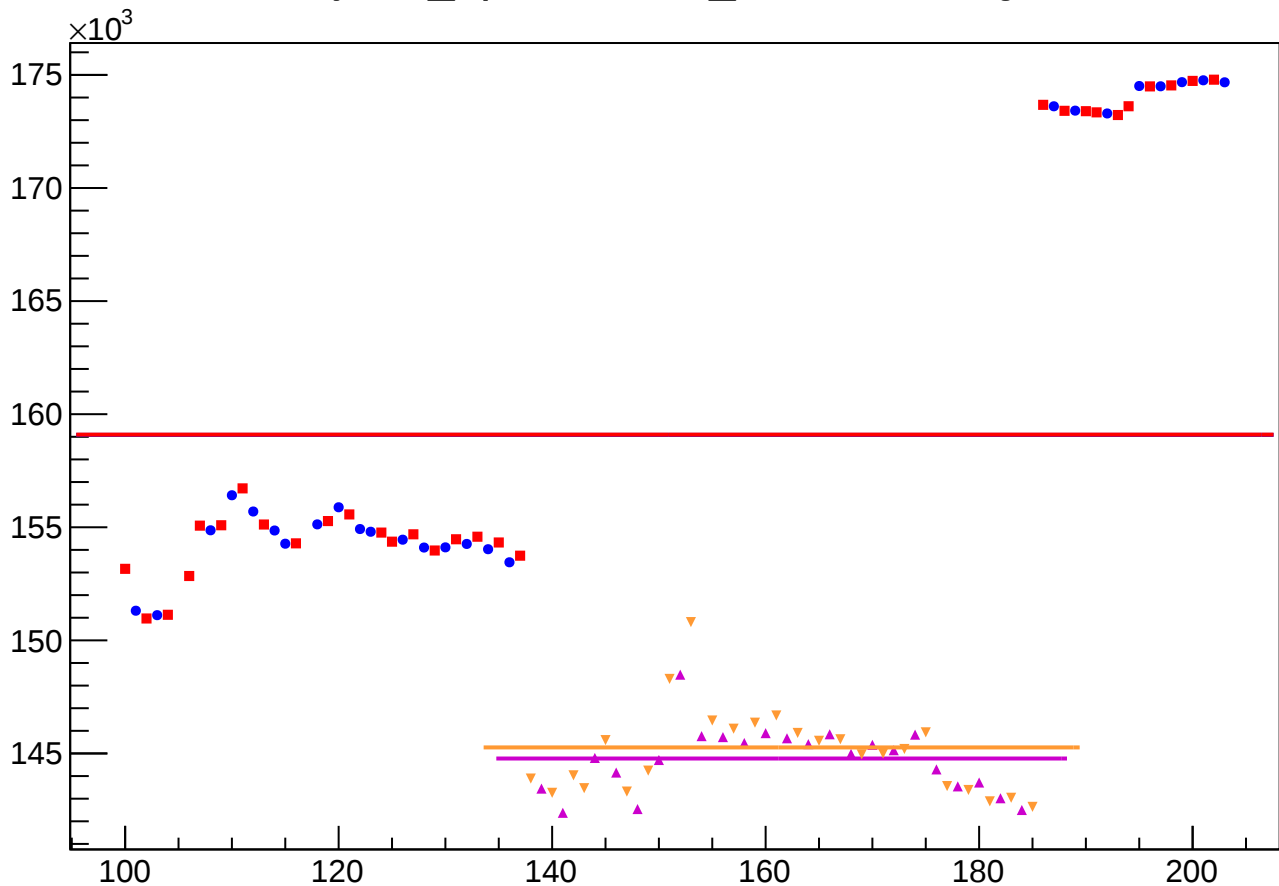
Left In: 210.345+/-0.036 χ^2/NDF : 677747.7/22

+ sign 39.911+/-0.008 χ^2/NDF : 36875074.8/49

All: 41.634+/-0.006 χ^2/NDF : 73264074.3/101

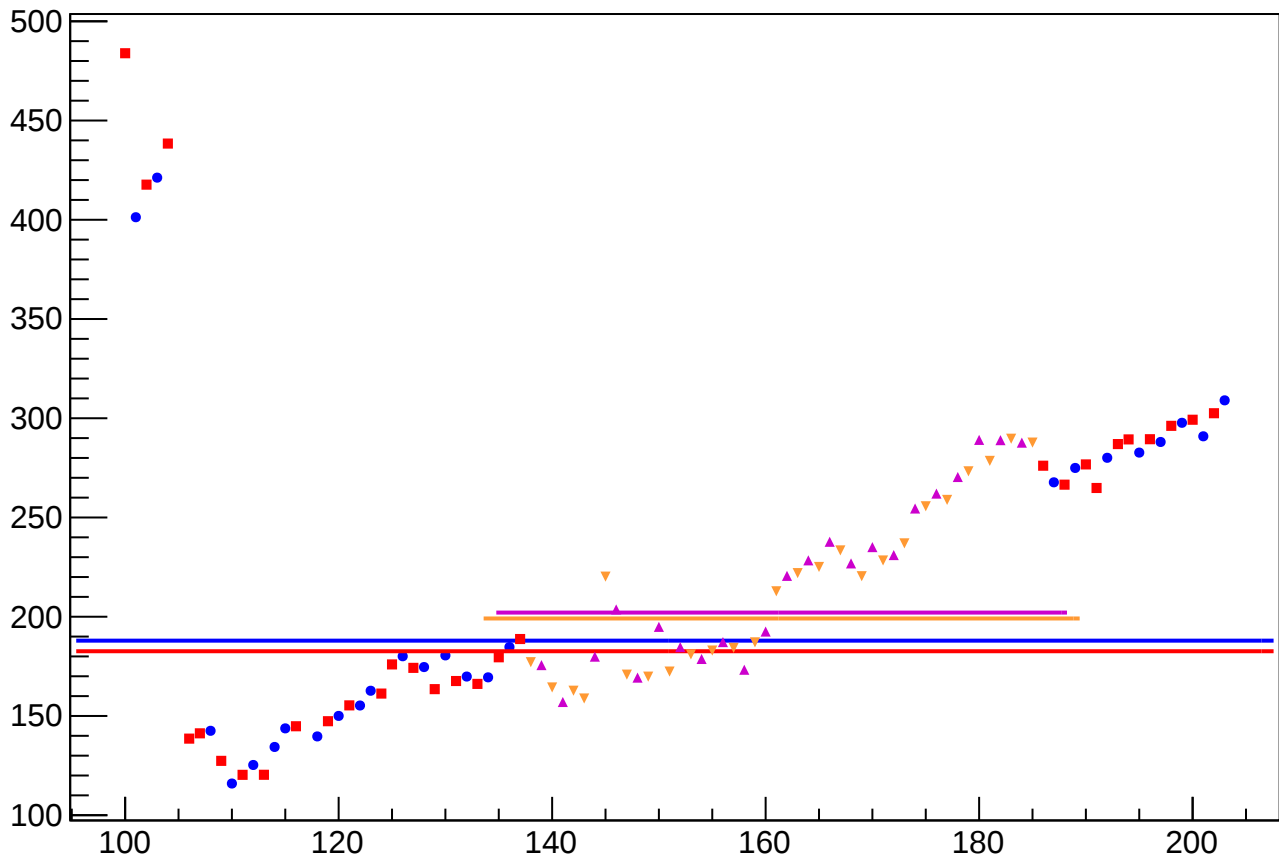
- sign 43.709+/-0.009 χ^2/NDF : 36295286.8/51

yield_bpm1i02WS_mean vs Slug



Right In: 159084.400 $\pm$ 0.058 χ^2 /NDF: 19805694384.8/24
 Left Out: 145266.717 $\pm$ 0.047 χ^2 /NDF: 1717707352.7/24
 Right Out: 159096.058 $\pm$ 0.054 χ^2 /NDF: 22361206488.5/28
 Left In: 144776.016 $\pm$ 0.050 χ^2 /NDF: 918120275.4/22

yield_bpm1i02WS_rms vs Slug



Right In: 187.948 $\pm$ 0.041 χ^2 /NDF: 2860788.2/24

Left Out: 199.118 $\pm$ 0.034 χ^2 /NDF:1152231.0/24

Right Out: 182.612 $\pm$ 0.038 χ^2 /NDF: 3314691.2/28

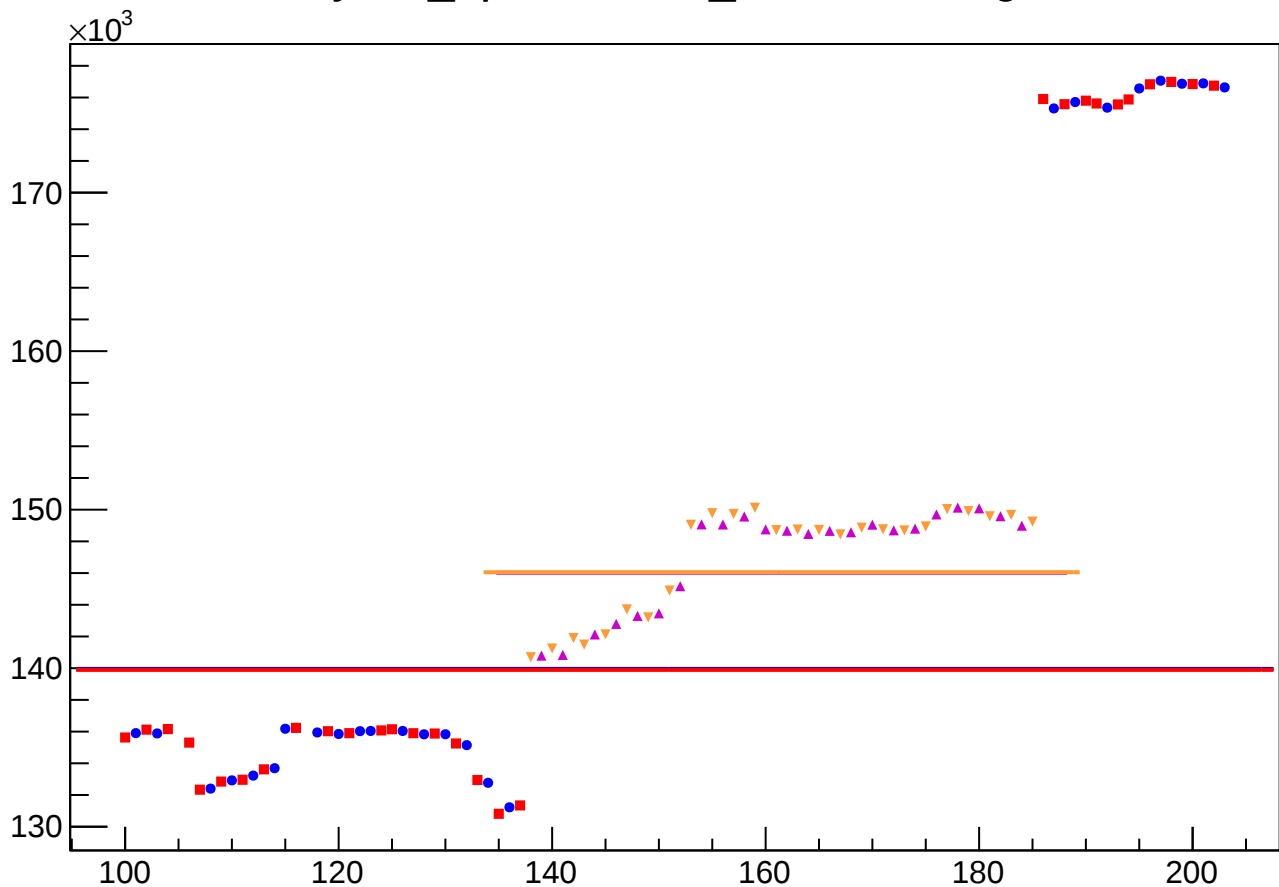
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 194.626 $\pm$ 0.026 χ^2 /NDF: 4057692.4/49

All: 193.871 $\pm$ 0.018 χ^2 /NDF: 8574099.4/100

- sign 193.125 $\pm$ 0.026 χ^2 /NDF: 4514717.6/51

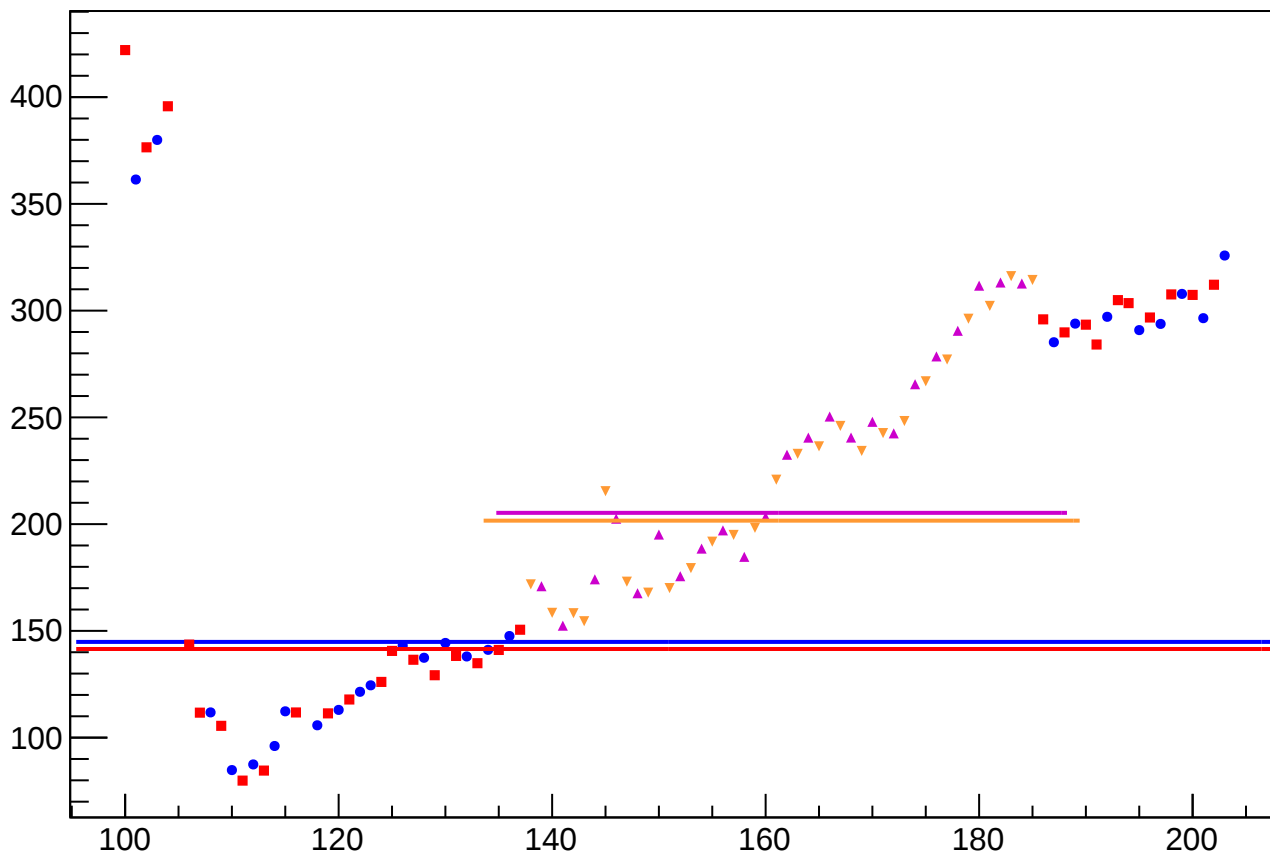
yield_bpm1i04WS_mean vs Slug



Right In: 139954.065 ± 0.047 $\chi^2/\text{NDF}: 94986271233.1/24$
 Left Out: 146051.733 ± 0.048 $\chi^2/\text{NDF}: 5403300123.1/24$
 Right Out: 139892.812 ± 0.044 $\chi^2/\text{NDF}: 108456034204.8/28$
 Left In: 146020.015 ± 0.051 $\chi^2/\text{NDF}: 4591425371.4/22$

+ sign 142912.412 ± 0.034 $\chi^2/\text{NDF}: 108593644376$
 All: 142719.791 ± 0.024 $\chi^2/\text{NDF}: 230036265$
 - sign 142531.763 ± 0.033 $\chi^2/\text{NDF}: 121377851636$

yield_bpm1i04WS_rms vs Slug



Right In: 144.835 ± 0.033 χ^2/NDF : 4880838.6/24

Left Out: 201.632 ± 0.034 χ^2/NDF : 1589564.0/24

Right Out: 141.518 ± 0.031 χ^2/NDF : 5650087.5/28

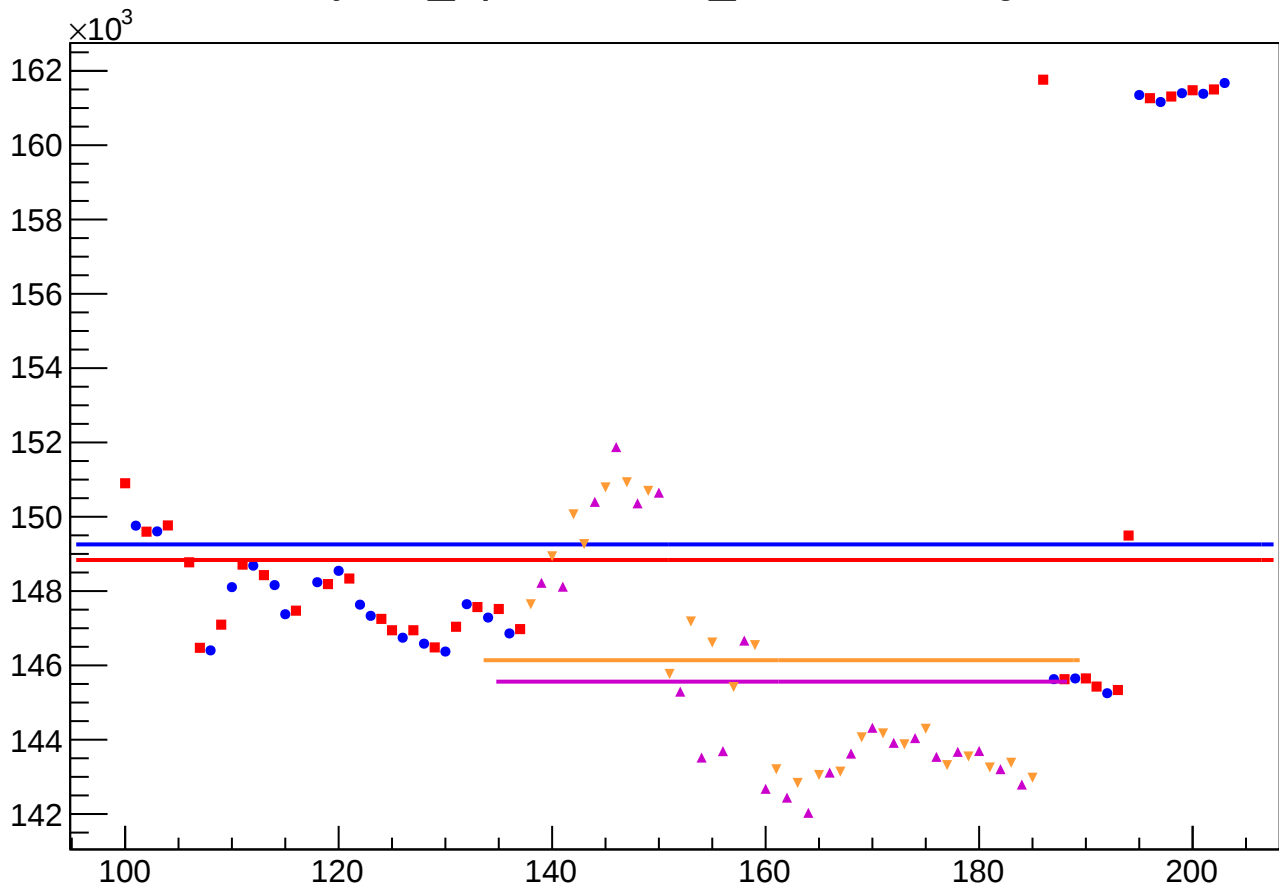
Left In: 205.286 ± 0.036 χ^2/NDF : 1425292.7/22

+ sign 172.391 ± 0.024 χ^2/NDF : 7893946.8/49

All: 170.666 ± 0.017 χ^2/NDF : 16784314.3/10

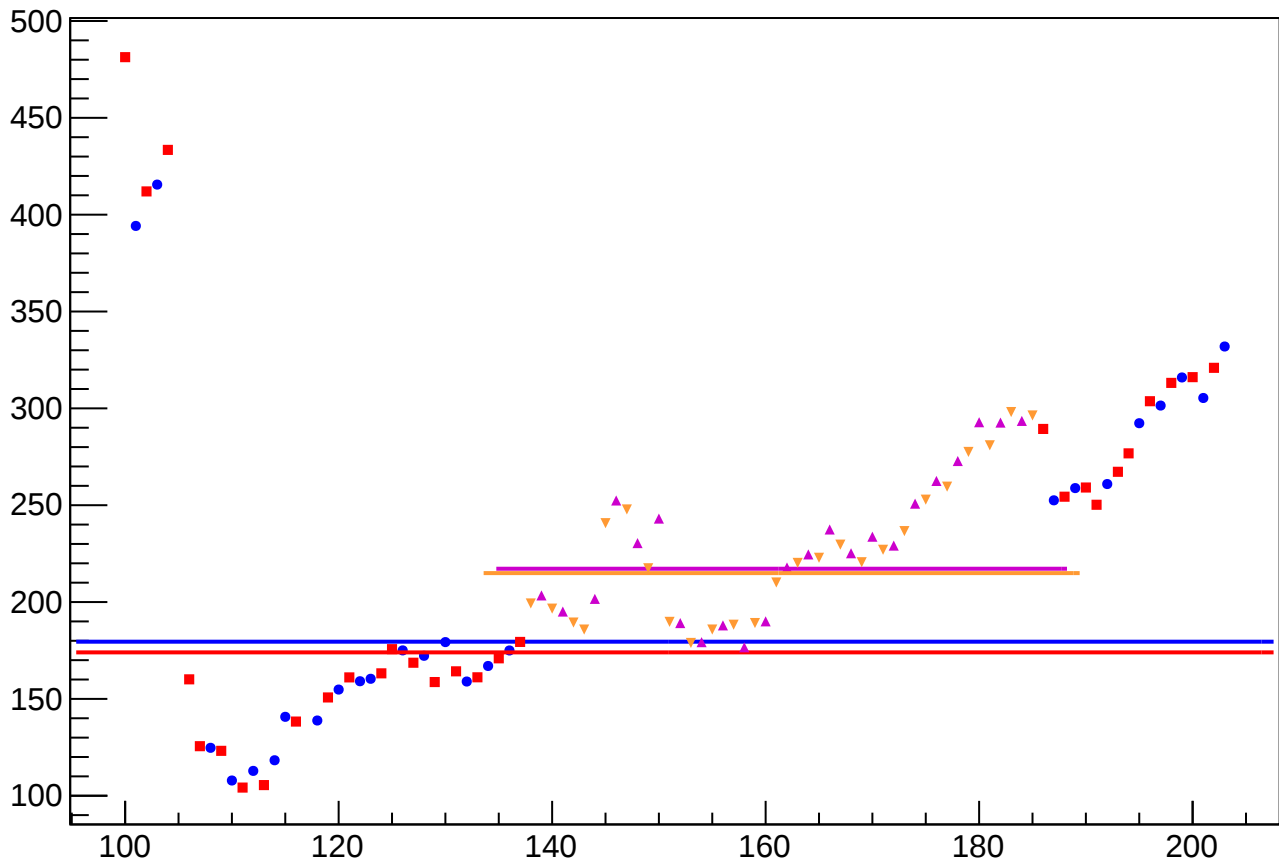
- sign 168.983 ± 0.024 χ^2/NDF : 8879983.4/51

yield_bpm1i06WS_mean vs Slug



Right In: 149255.879+/-0.056	χ^2/NDF : 7355888377.6/24	+ sign 147551.579+/-0.038	χ^2/NDF : 11753905188.8
Left Out: 146139.326+/-0.051	χ^2/NDF : 2699546907.6/24	All: 147392.178+/-0.026	χ^2/NDF : 231757745.8
Right Out: 148836.534+/-0.052	χ^2/NDF : 6384422918.5/28	- sign 147237.467+/-0.037	χ^2/NDF : 11386536927.8
Left In: 145562.386+/-0.053	χ^2/NDF : 3054641996.0/22		

yield_bpm1i06WS_rms vs Slug



Right In: 179.536+/-0.040 χ^2/NDF : 3356248.1/24

Left Out: 214.945+/-0.036 χ^2/NDF : 728515.5/24

Right Out: 174.015+/-0.037 χ^2/NDF : 3843501.8/28

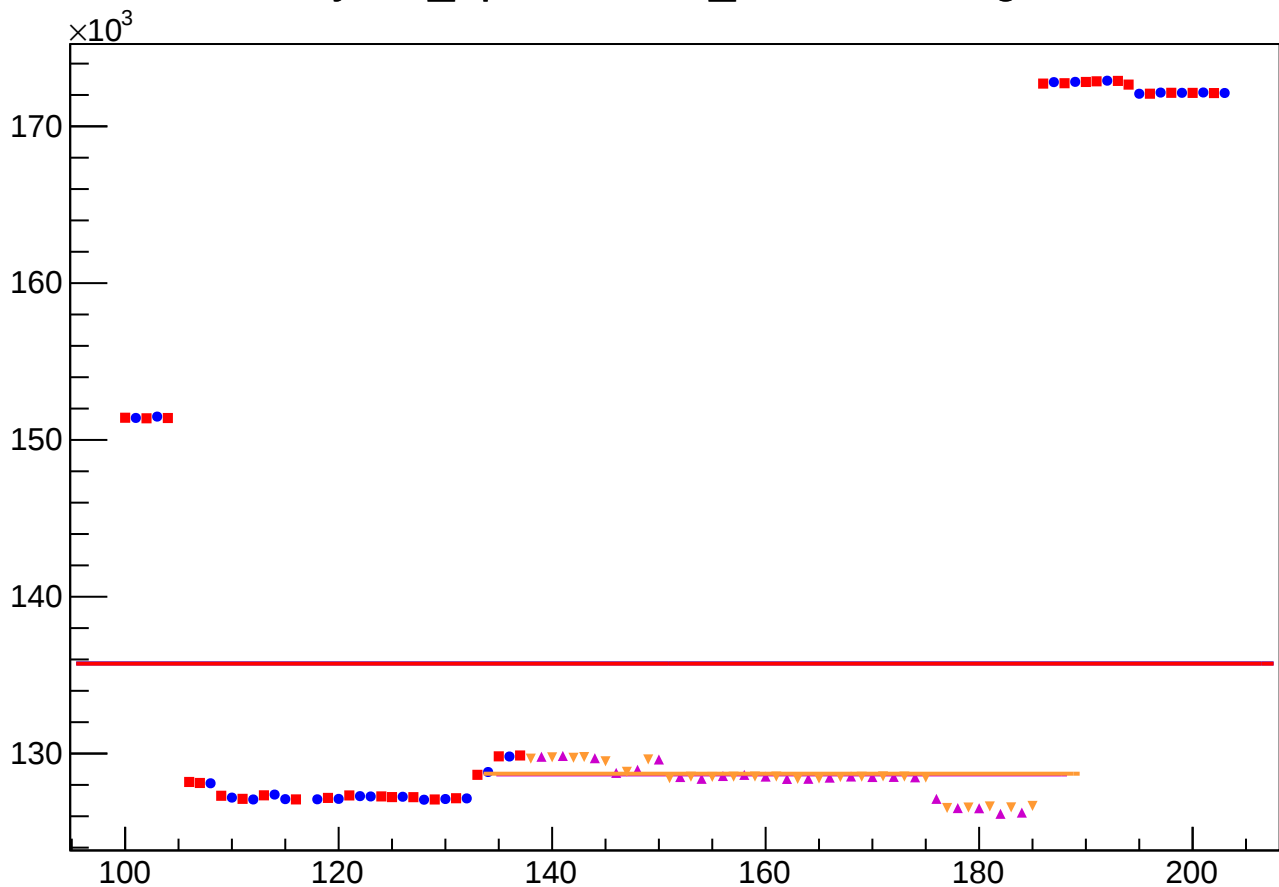
Left In: 217.203+/-0.038 χ^2/NDF : 764798.3/22

+ sign 198.899+/-0.027 χ^2/NDF : 4523268.6/49

All: 196.975+/-0.019 χ^2/NDF : 9819556.9/103

- sign 195.108+/-0.026 χ^2/NDF : 5285992.9/51

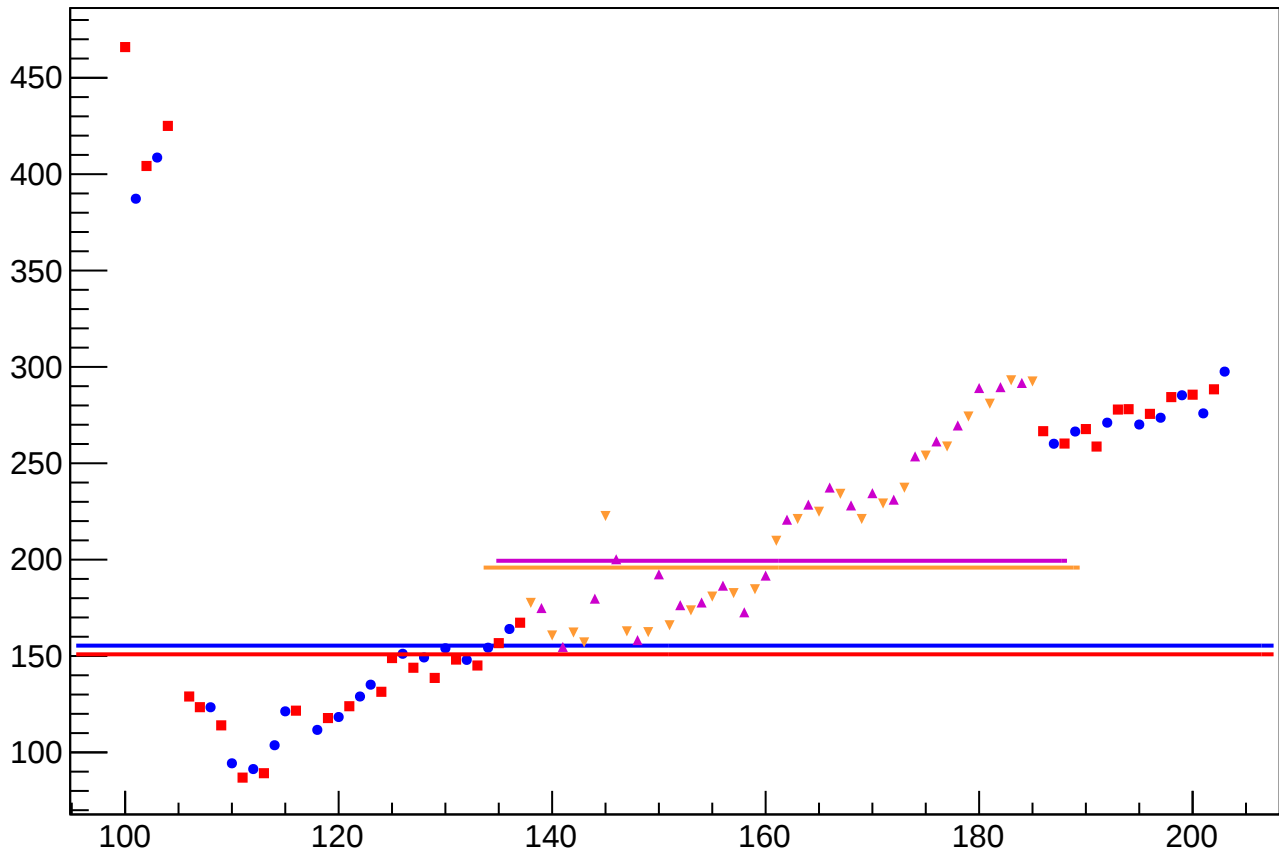
yield_bpm2i01WS_mean vs Slug



Right In: 135746.477 ± 0.049 $\chi^2/\text{NDF}: 121042872692.4/24$
 Left Out: 128714.507 ± 0.047 $\chi^2/\text{NDF}: 348178101.1/24$
 Right Out: 135733.509 ± 0.046 $\chi^2/\text{NDF}: 140695589489.5/28$
 Left In: 128667.013 ± 0.049 $\chi^2/\text{NDF}: 333059477.6/22$

+ sign 132043.024 ± 0.034 $\chi^2/\text{NDF}: 132124269048$
 All: 132244.385 ± 0.024 $\chi^2/\text{NDF}: 284331926$
 - sign 132440.494 ± 0.033 $\chi^2/\text{NDF}: 152137970252$

yield_bpm2i01WS_rms vs Slug



Right In: 155.388 $\pm$ 0.035 χ^2 /NDF: 4057414.5/24

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 150.873 $\pm$ 0.032 χ^2 /NDF: 4675354.3/28

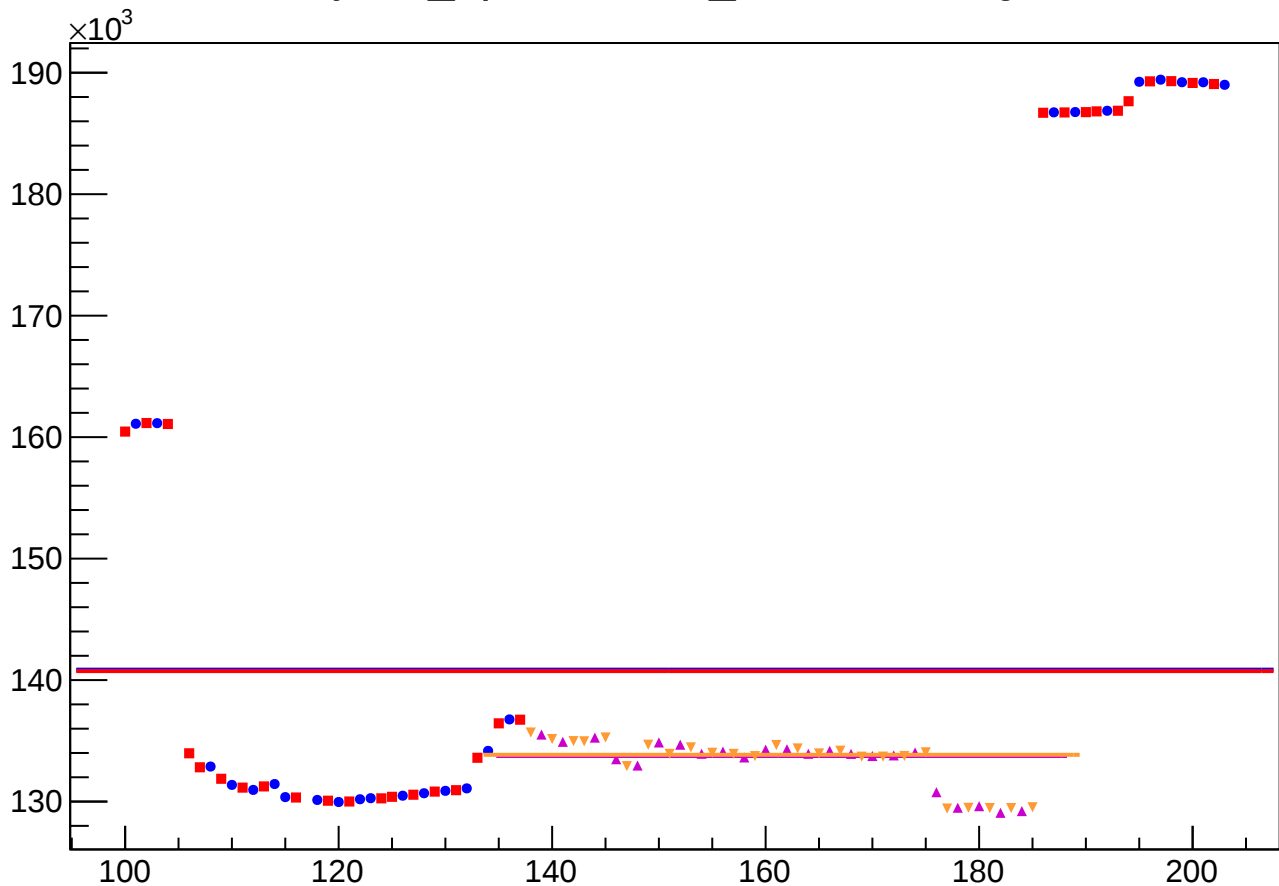
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 176.715 $\pm$ 0.024 χ^2 /NDF: 6082656.7/49

All: 175.083 $\pm$ 0.017 χ^2 /NDF: 12981231.2/10

- sign 173.493 $\pm$ 0.024 χ^2 /NDF: 6889418.2/51

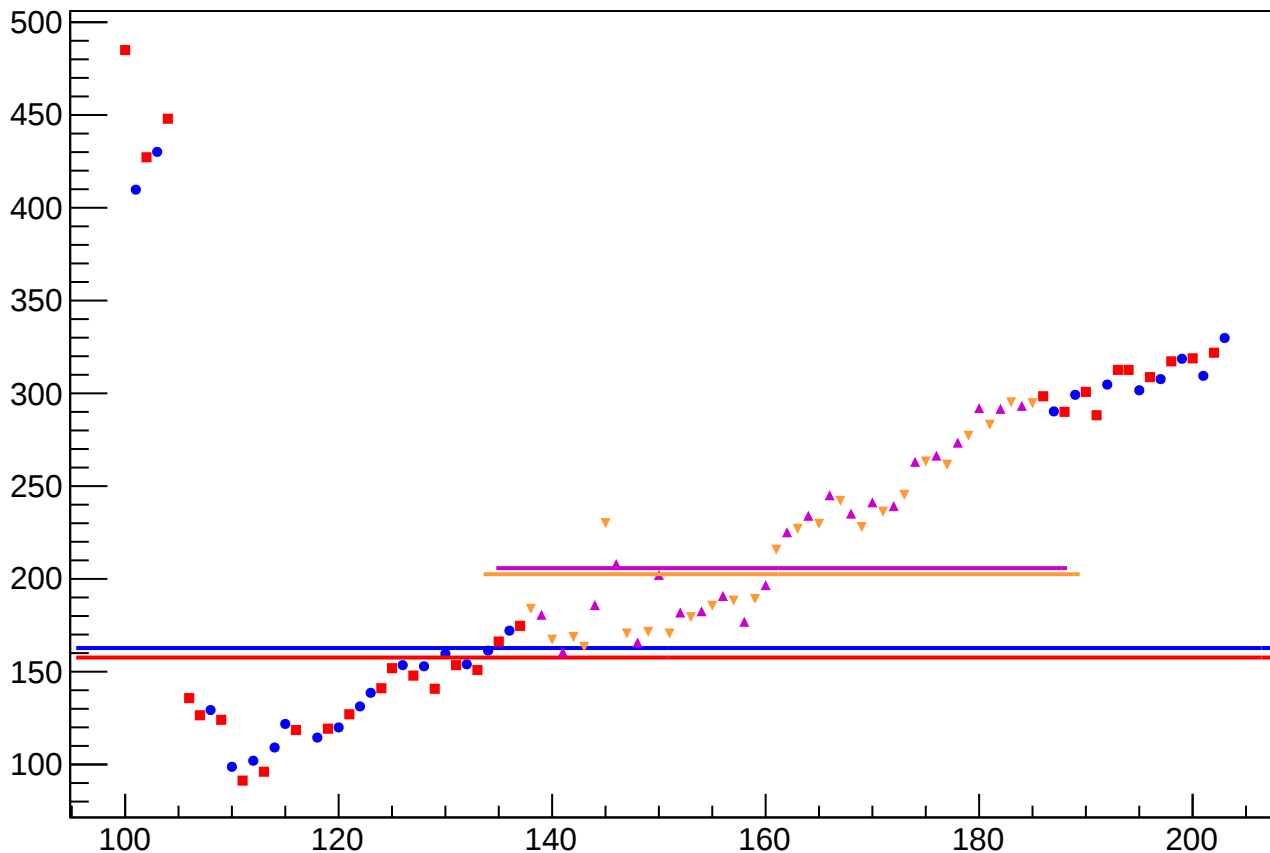
yield_bpm2i02WS_mean vs Slug



Right In: 140859.261+/-0.052 χ^2/NDF : 161207471158.7/24
 Left Out: 133850.586+/-0.048 χ^2/NDF : 1080107831.1/24
 Right Out: 140741.795+/-0.048 χ^2/NDF : 182293845200.2/28
 Left In: 133749.630+/-0.051 χ^2/NDF : 954069486.7/22

+ sign 137089.275+/-0.035 χ^2/NDF : 172049497774
 All: 137248.731+/-0.025 χ^2/NDF : 365351320
 - sign 137404.020+/-0.035 χ^2/NDF : 193261696849

yield_bpm2i02WS_rms vs Slug



Right In: 162.750 $\pm$ 0.037 χ^2 /NDF: 4385987.3/24

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF: 1211991.5/24

Right Out: 157.620 $\pm$ 0.034 χ^2 /NDF: 5088888.9/28

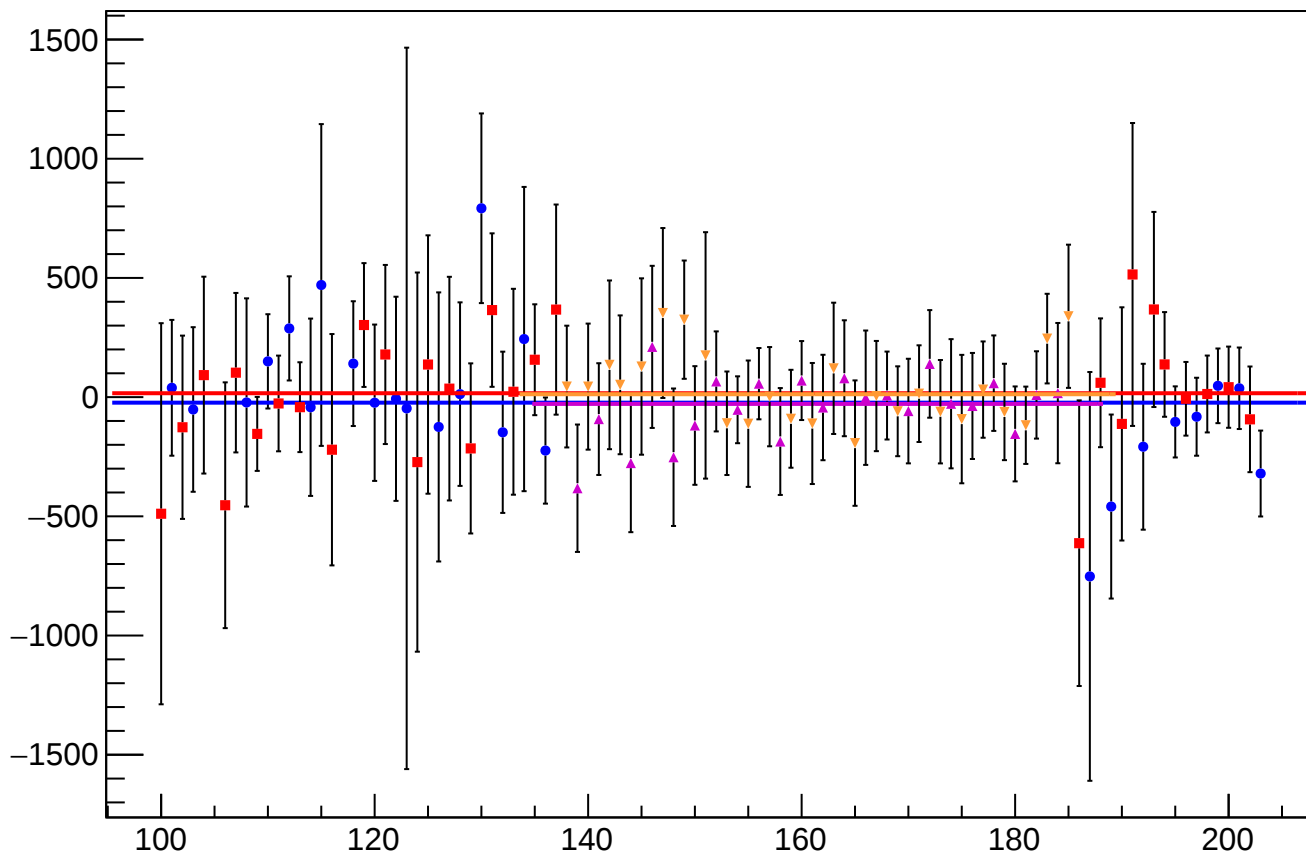
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF: 1094330.7/22

+ sign 184.146 $\pm$ 0.025 χ^2 /NDF: 6226852.5/49

All: 182.361 $\pm$ 0.018 χ^2 /NDF: 13371344.2/10

- sign 180.623 $\pm$ 0.025 χ^2 /NDF: 7134435.3/51

asym_bcm_an_ds_mean vs Slug



Right In: -23.234 ± 52.429 χ^2/NDF : 14.9/24

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 16.352 ± 50.723 χ^2/NDF : 10.4/28

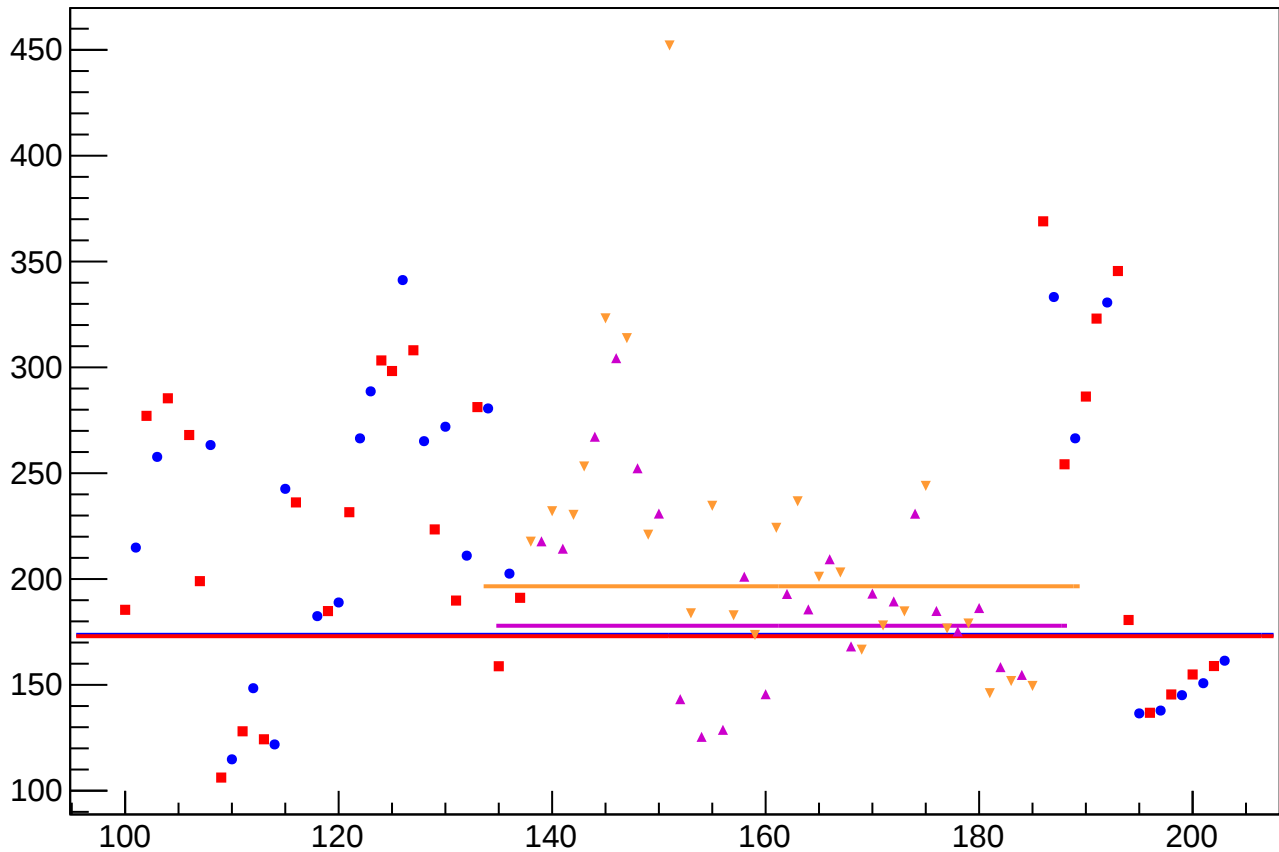
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign -3.796 ± 35.214 χ^2/NDF : 23.7/49

All: -6.458 ± 24.283 χ^2/NDF : 41.2/101

- sign -8.872 ± 33.531 χ^2/NDF : 17.5/51

asym_bcm_an_ds_rms vs Slug



Right In: 173.652 $\pm$ 0.037 χ^2 /NDF: 2069339.4/24

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 172.991 $\pm$ 0.036 χ^2 /NDF: 2744897.0/28

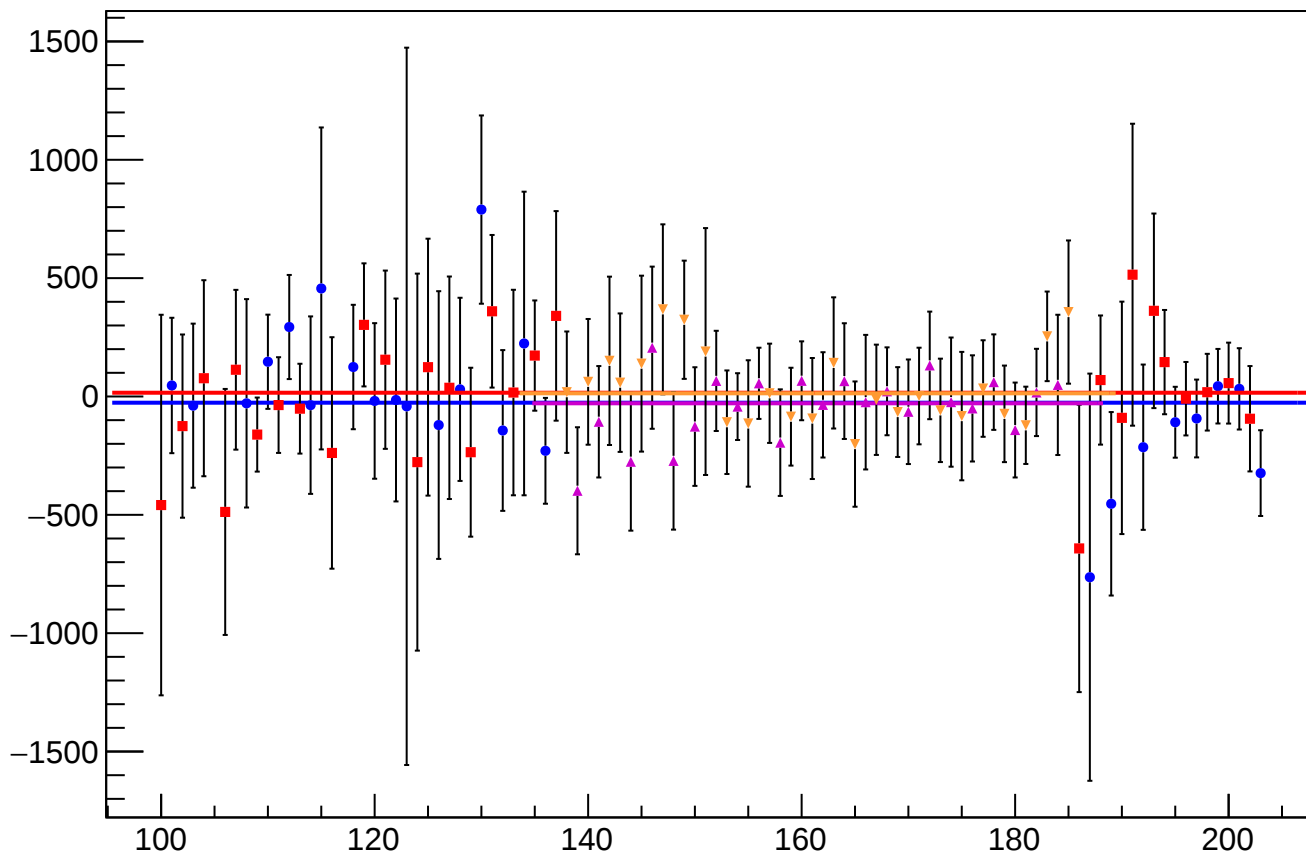
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 186.234 $\pm$ 0.025 χ^2 /NDF: 4057938.4/49

All: 180.748 $\pm$ 0.017 χ^2 /NDF: 8511876.5/100

- sign 175.773 $\pm$ 0.024 χ^2 /NDF: 4361366.1/51

asym_bcm_an_ds3_mean vs Slug



Right In: -26.299 ± 52.688 χ^2/NDF : 14.8/24

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 15.866 ± 50.981 χ^2/NDF : 10.7/28

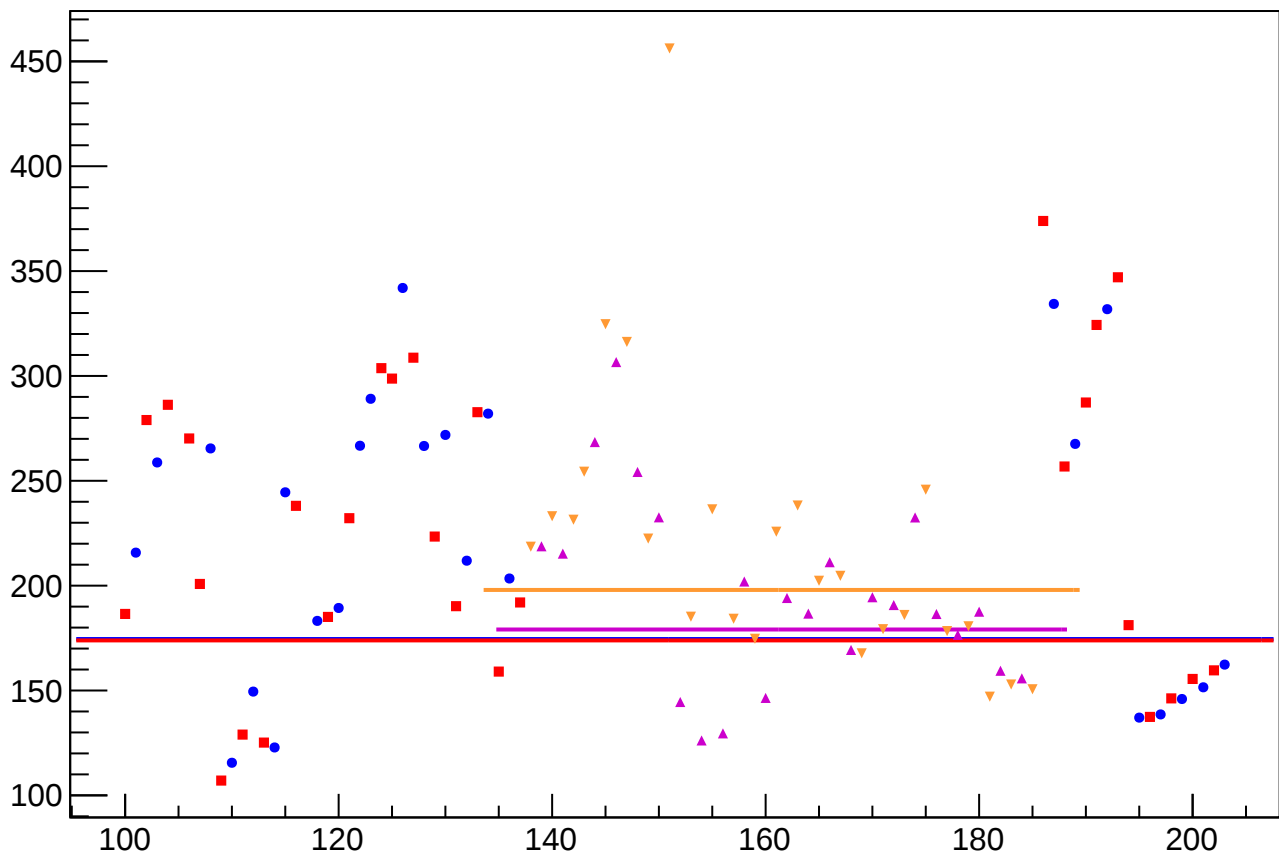
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign -4.552 ± 35.427 χ^2/NDF : 24.1/49

All: -7.018 ± 24.428 χ^2/NDF : 42.1/101

- sign -9.253 ± 33.729 χ^2/NDF : 18.0/51

asym_bcm_an_ds3_rms vs Slug



Right In: 174.543 $\pm$ 0.037 χ^2 /NDF: 2059817.2/24

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 173.890 $\pm$ 0.036 χ^2 /NDF: 2739585.7/28

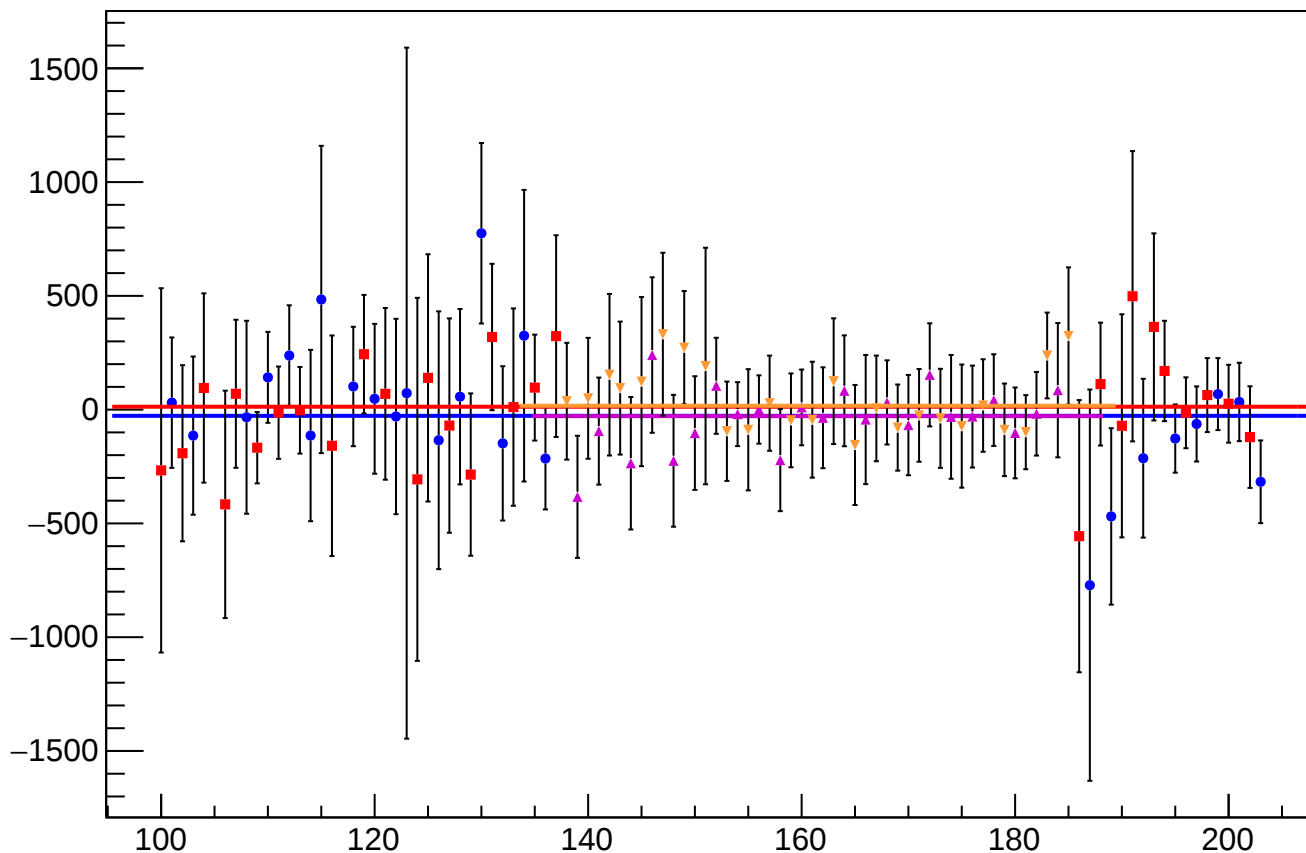
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 187.369 $\pm$ 0.025 χ^2 /NDF: 4050656.8/49

All: 181.832 $\pm$ 0.017 χ^2 /NDF: 8500180.6/103

- sign 176.814 $\pm$ 0.024 χ^2 /NDF: 4356399.1/51

asym_bcm_an_us_mean vs Slug



Right In: -27.225 ± 52.767 χ^2/NDF : 14.4/24

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 12.808 ± 50.974 χ^2/NDF : 9.3/28

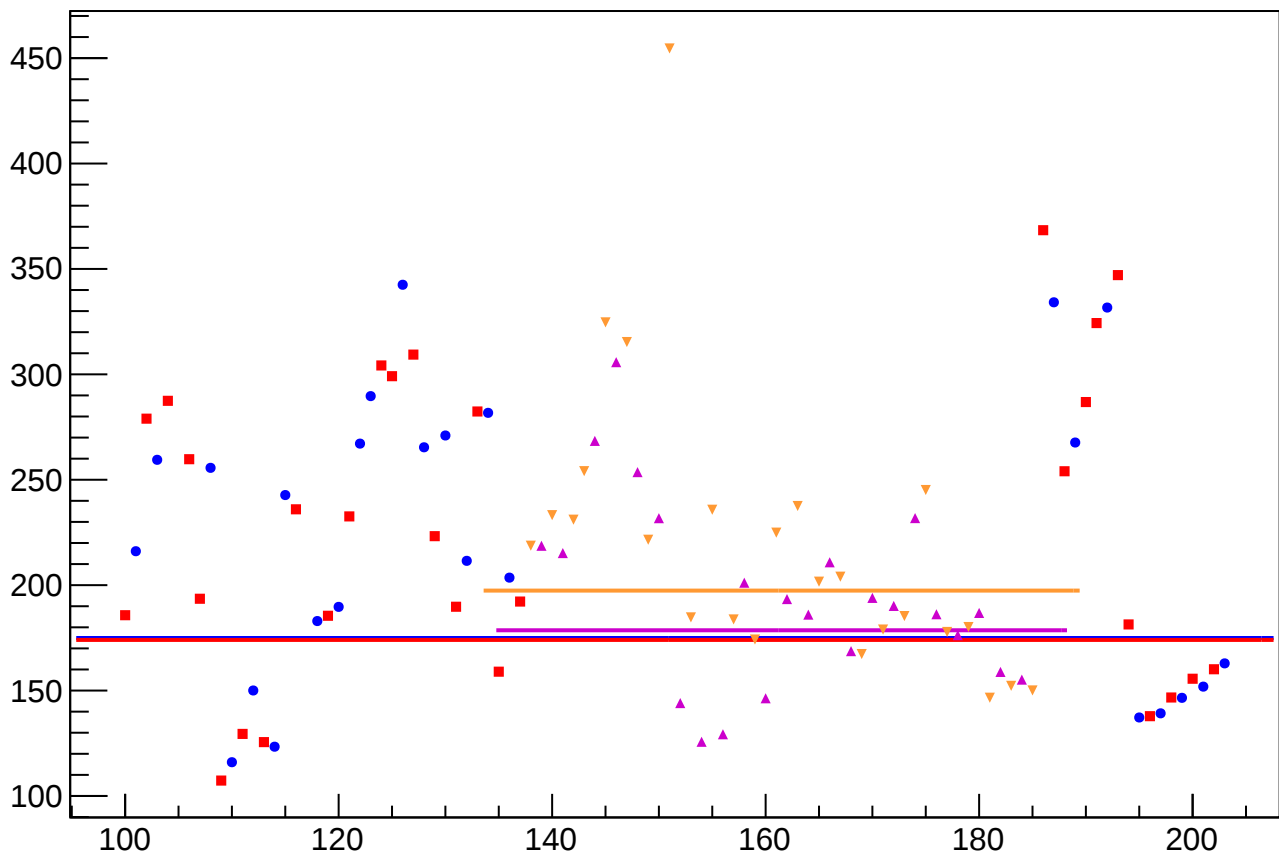
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign -2.827 ± 35.400 χ^2/NDF : 21.8/49

All: -6.886 ± 24.399 χ^2/NDF : 37.7/101

- sign -10.559 ± 33.676 χ^2/NDF : 15.8/51

asym_bcm_an_us_rms vs Slug



Right In: 174.928 $\pm$ 0.037 χ^2 /NDF: 2028689.7/24

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 174.022 $\pm$ 0.036 χ^2 /NDF: 2695427.9/28

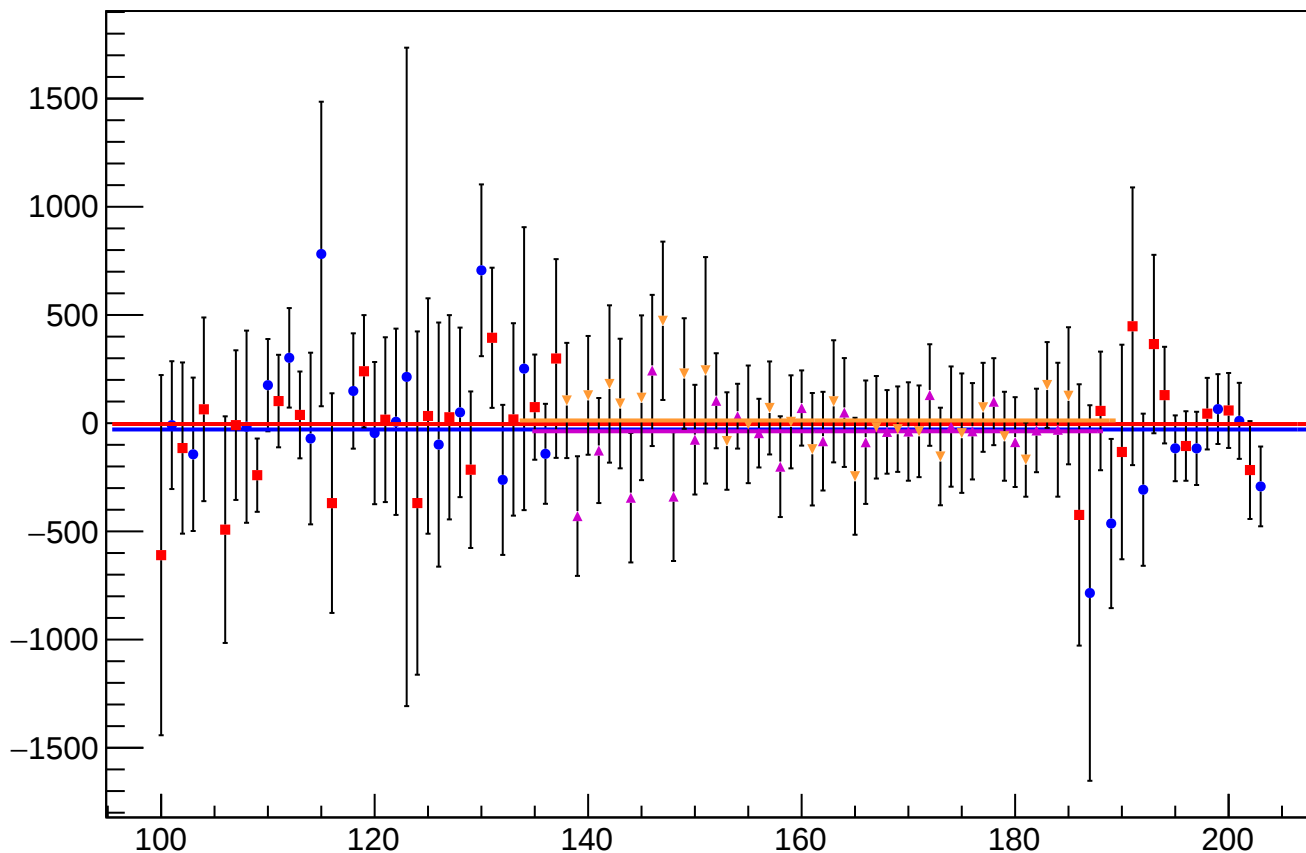
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 187.298 $\pm$ 0.025 χ^2 /NDF: 4008802.0/49

All: 181.683 $\pm$ 0.017 χ^2 /NDF: 8418157.6/100

- sign 176.603 $\pm$ 0.024 χ^2 /NDF: 4313522.6/51

asym_bcm_dg_us_mean vs Slug



Right In: -29.104 ± 54.011 χ^2/NDF : 14.9/24

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: -3.913 ± 52.511 χ^2/NDF : 11.5/28

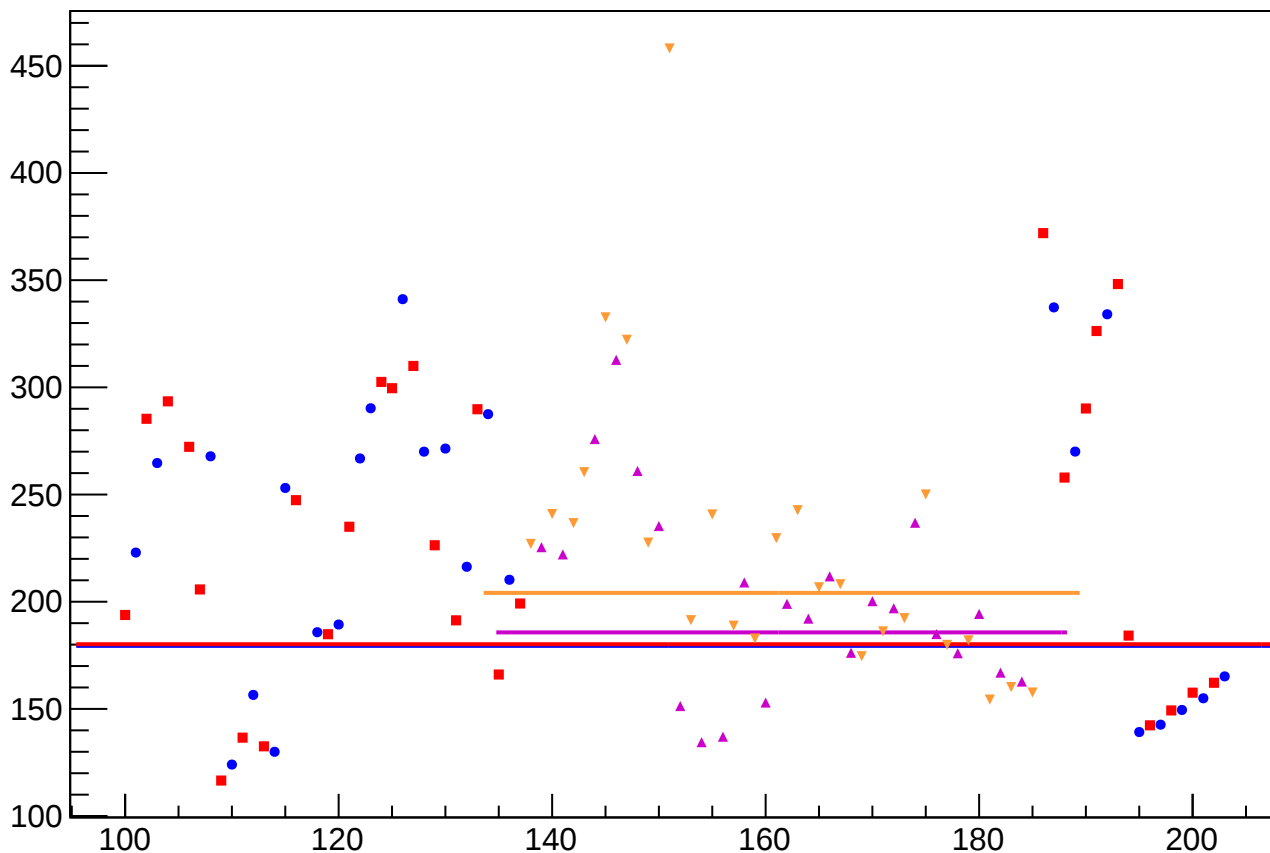
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign -6.312 ± 36.389 χ^2/NDF : 22.8/49

All: -14.883 ± 25.152 χ^2/NDF : 42.3/101

- sign -22.723 ± 34.804 χ^2/NDF : 19.4/51

asym_bcm_dg_us_rms vs Slug



Right In: 179.422 $\pm$ 0.038 χ^2 /NDF: 1948673.0/24

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 180.185 $\pm$ 0.037 χ^2 /NDF: 2498978.5/28

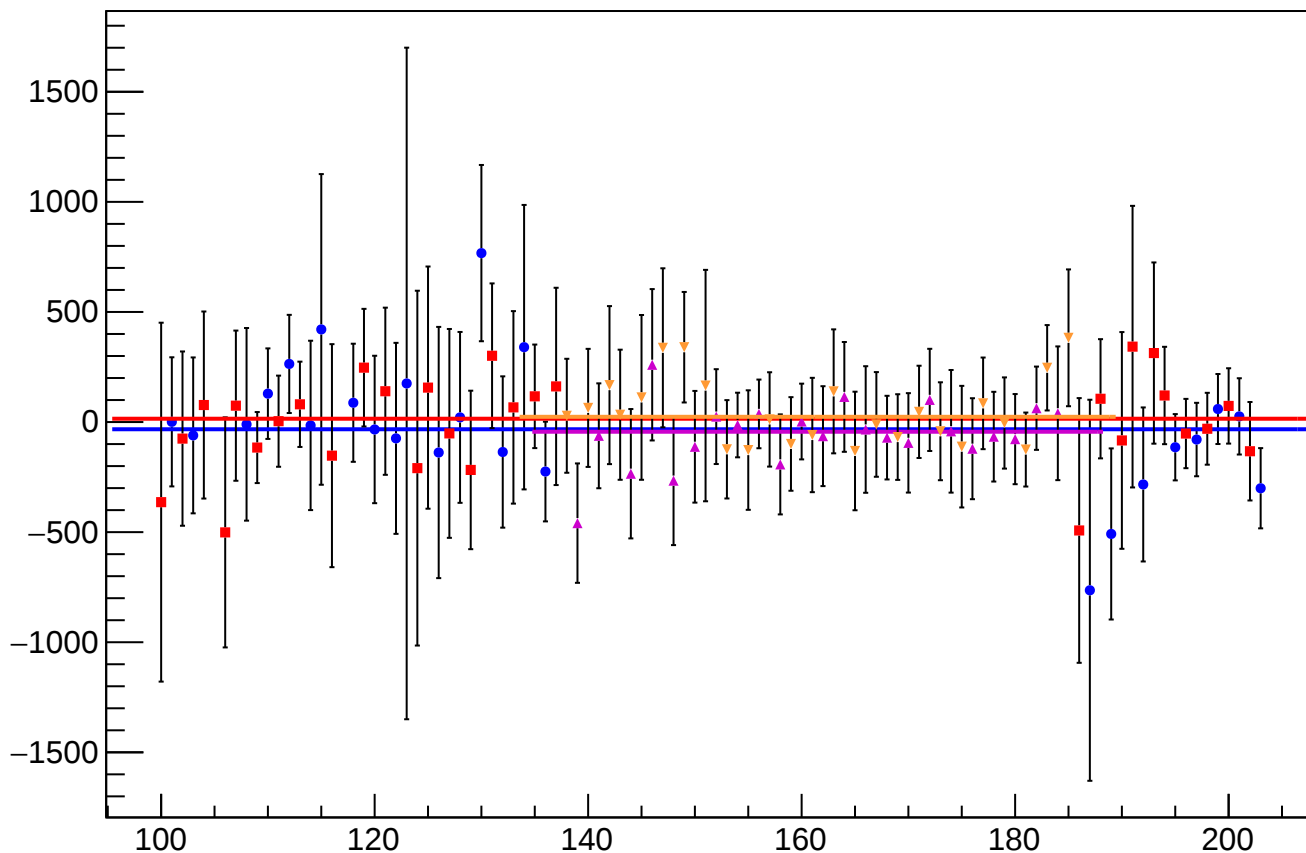
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 192.916 $\pm$ 0.026 χ^2 /NDF: 3849557.3/49

All: 187.880 $\pm$ 0.018 χ^2 /NDF: 7881982.9/100

- sign 183.274 $\pm$ 0.025 χ^2 /NDF: 3959088.7/51

asym_bcm_dg_ds_mean vs Slug



Right In: -32.722 ± 53.336 χ^2/NDF : 14.0/24

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 15.110 ± 51.641 χ^2/NDF : 7.4/28

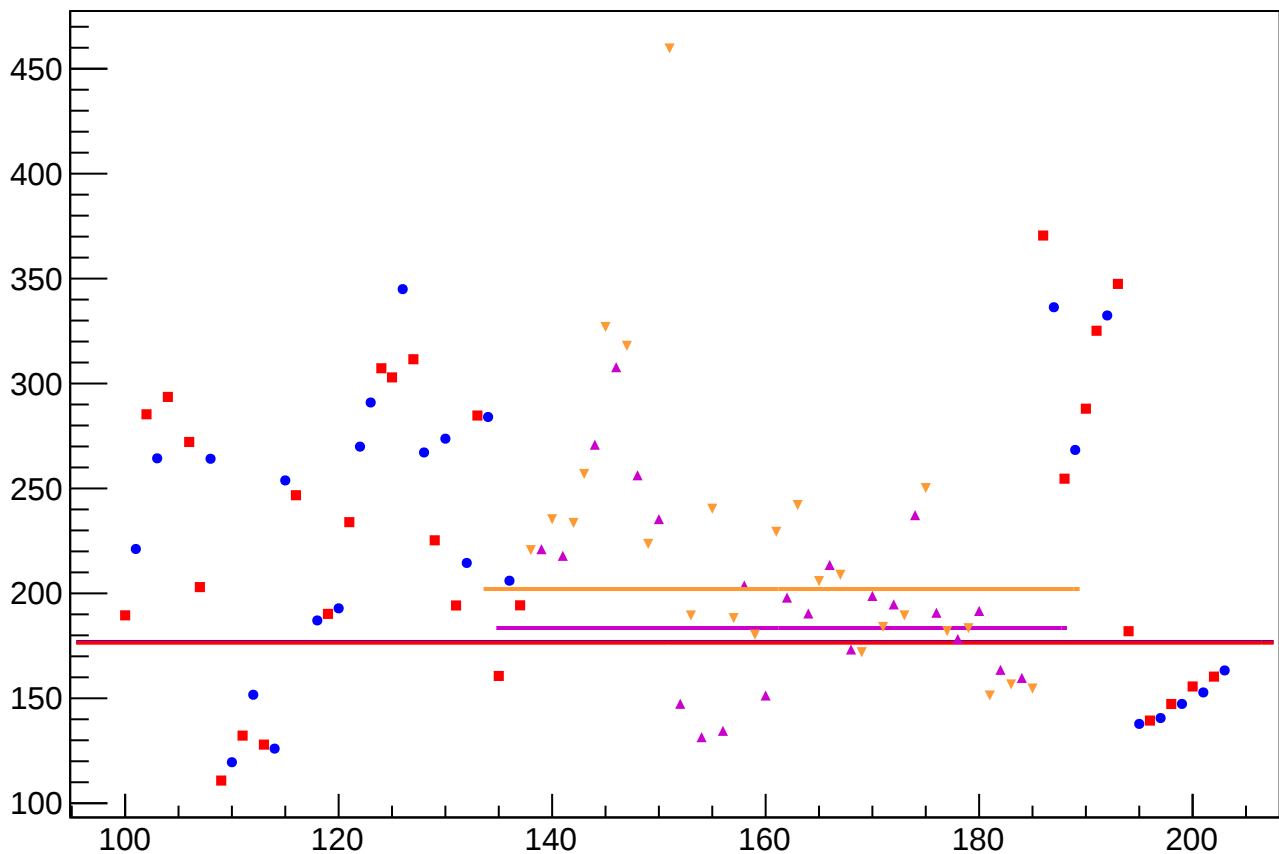
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -1.922 ± 35.997 χ^2/NDF : 23.0/49

All: -10.260 ± 24.847 χ^2/NDF : 37.8/101

- sign -17.849 ± 34.341 χ^2/NDF : 14.6/51

asym_bcm_dg_ds_rms vs Slug



Right In: 176.847 $\pm$ 0.038 χ^2 /NDF: 2031581.8/24

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 176.504 $\pm$ 0.037 χ^2 /NDF: 2667216.0/28

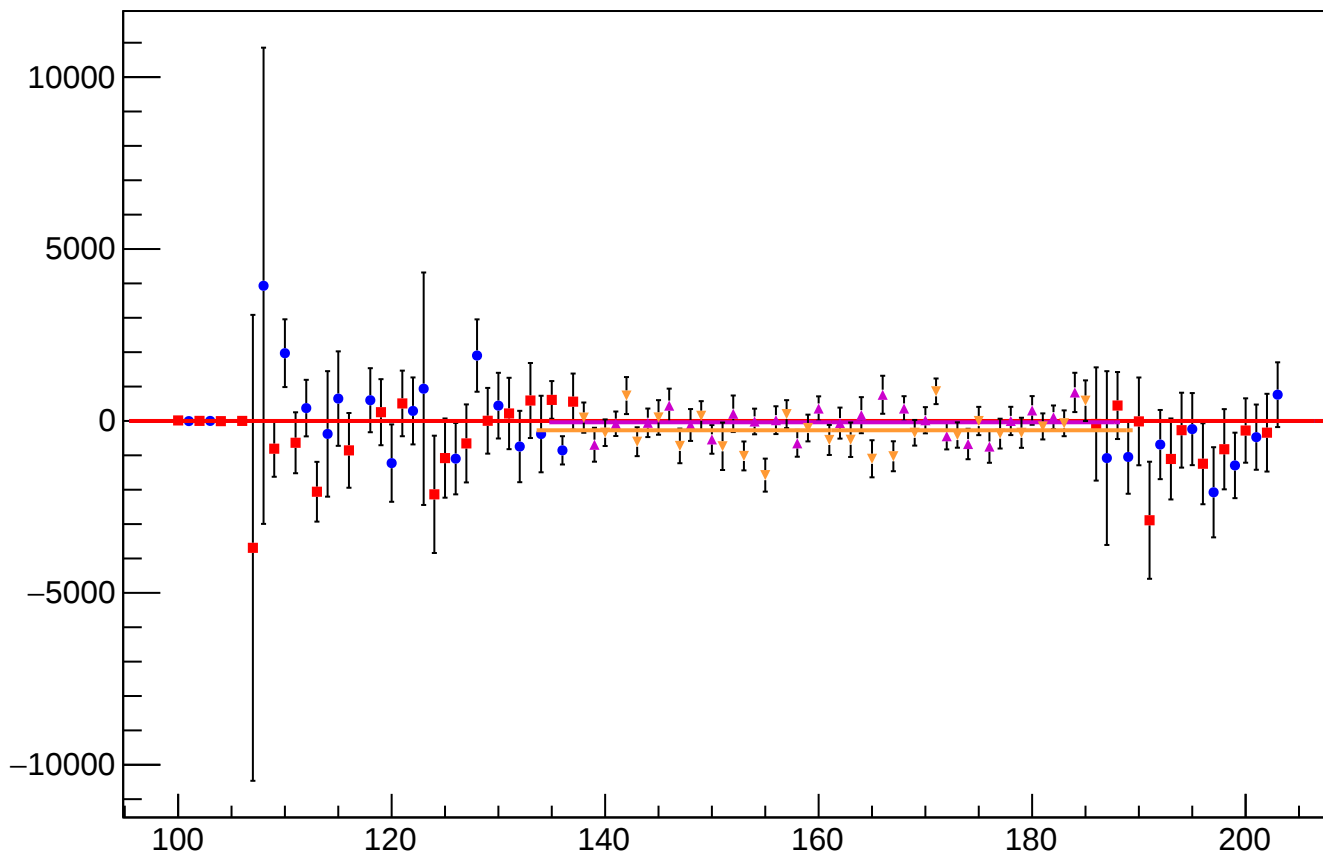
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 190.587 $\pm$ 0.025 χ^2 /NDF: 3968116.9/49

All: 185.256 $\pm$ 0.018 χ^2 /NDF: 8222947.7/103

- sign 180.405 $\pm$ 0.024 χ^2 /NDF: 4171064.0/51

asym_cav4bQ_mean vs Slug



Right In: -1.551 ± 2.251 χ^2/NDF : 24.3/24

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.742 ± 2.111 χ^2/NDF : 25.0/28

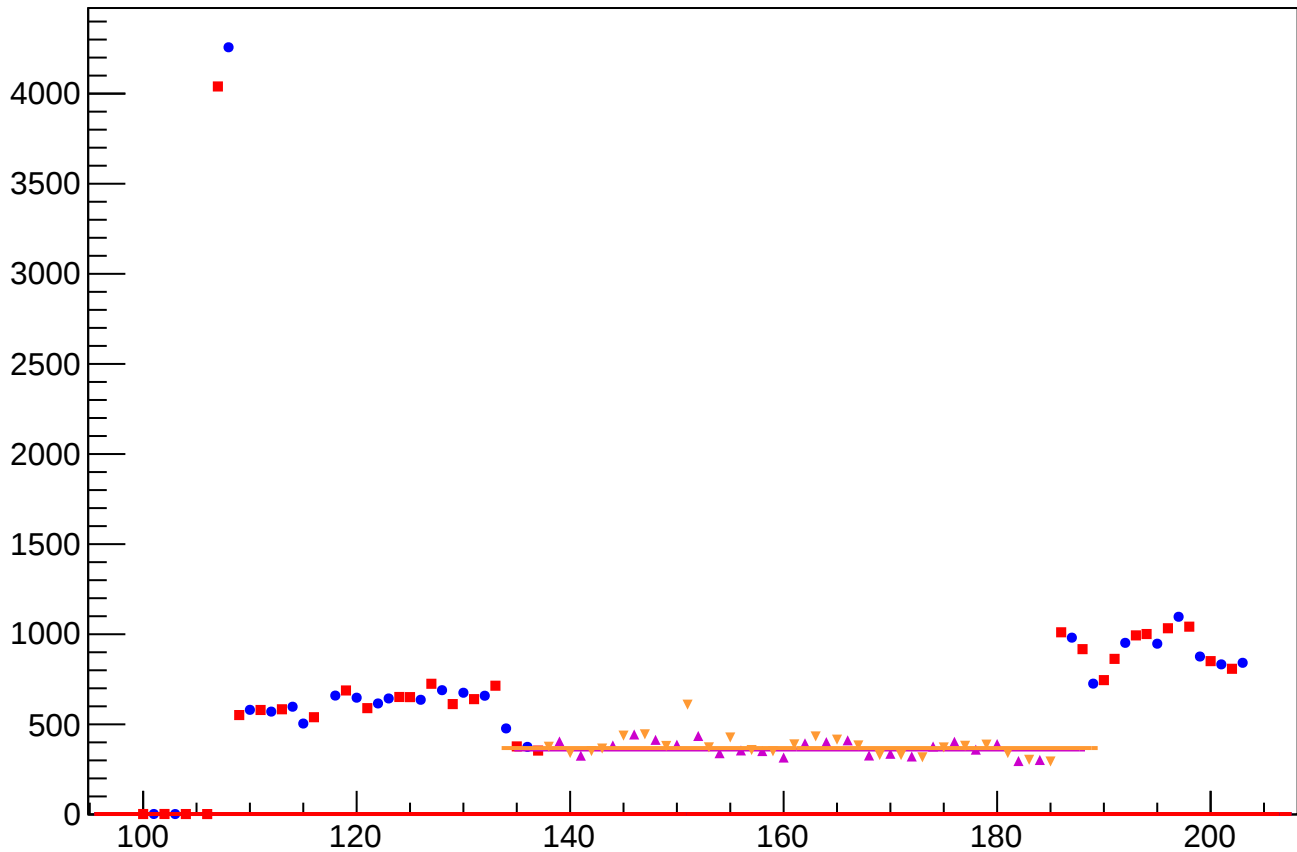
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.732 ± 2.251 χ^2/NDF : 72.0/49

All: -1.217 ± 1.540 χ^2/NDF : 117.5/101

- sign -0.764 ± 2.110 χ^2/NDF : 45.4/51

asym_cav4bQ_rms vs Slug



Right In: 2.487 $\pm$ 0.002 χ^2 /NDF: 21628516.7/24

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF:622466.1/24

Right Out: 2.467 $\pm$ 0.001 χ^2 /NDF: 23681266.4/28

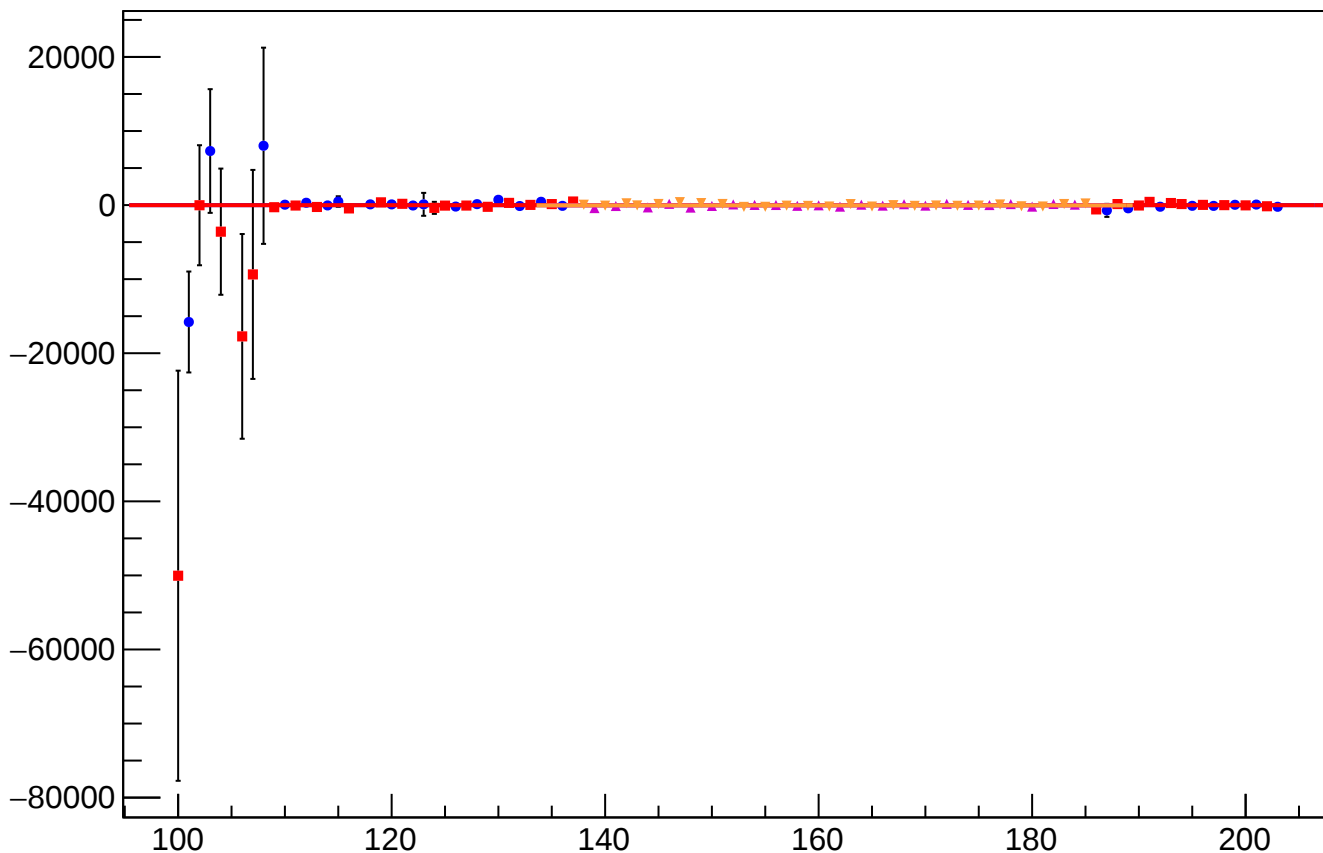
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF:417739.4/22

+ sign 2.732 $\pm$ 0.002 χ^2 /NDF: 57632407.9/49

All: 2.701 $\pm$ 0.001 χ^2 /NDF: 114976357.7/101

- sign 2.674 $\pm$ 0.001 χ^2 /NDF: 57343229.8/51

asym_cav4cQ_mean vs Slug



Right In: -8.692 ± 58.819 χ^2/NDF : 17.7/24

Left Out: -38.013 ± 49.628 χ^2/NDF : 9.3/24

Right Out: -12.325 ± 58.018 χ^2/NDF : 17.1/28

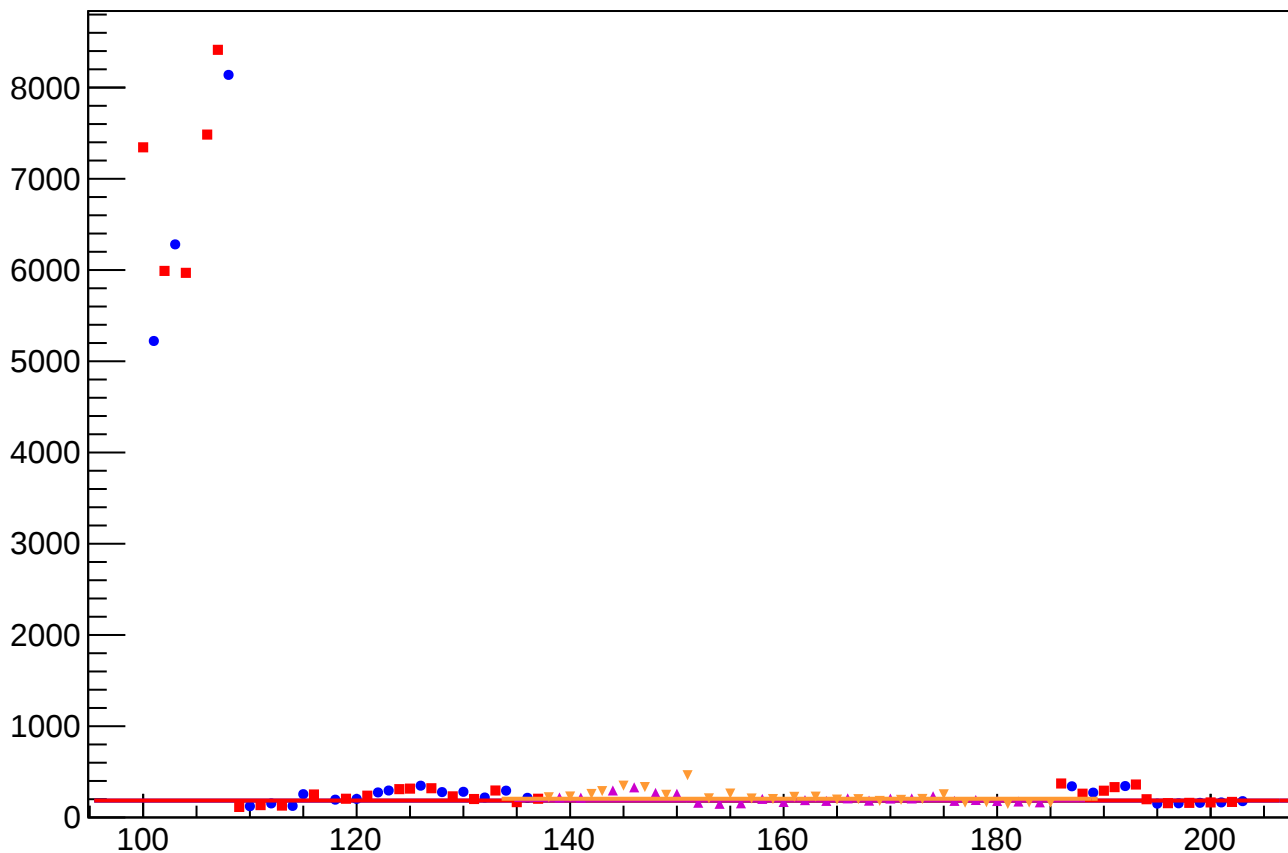
Left In: -28.205 ± 48.167 χ^2/NDF : 9.2/22

+ sign -25.820 ± 37.930 χ^2/NDF : 27.1/49

All: -23.725 ± 26.508 χ^2/NDF : 53.5/101

- sign -21.726 ± 37.060 χ^2/NDF : 26.4/51

asym_cav4cQ_rms vs Slug



Right In: 184.246+/-0.042 χ^2/NDF : 4482517.4/24

Left Out: 205.027+/-0.035 χ^2/NDF :1956045.1/24

Right Out: 185.578+/-0.041 χ^2/NDF : 5330117.3/28

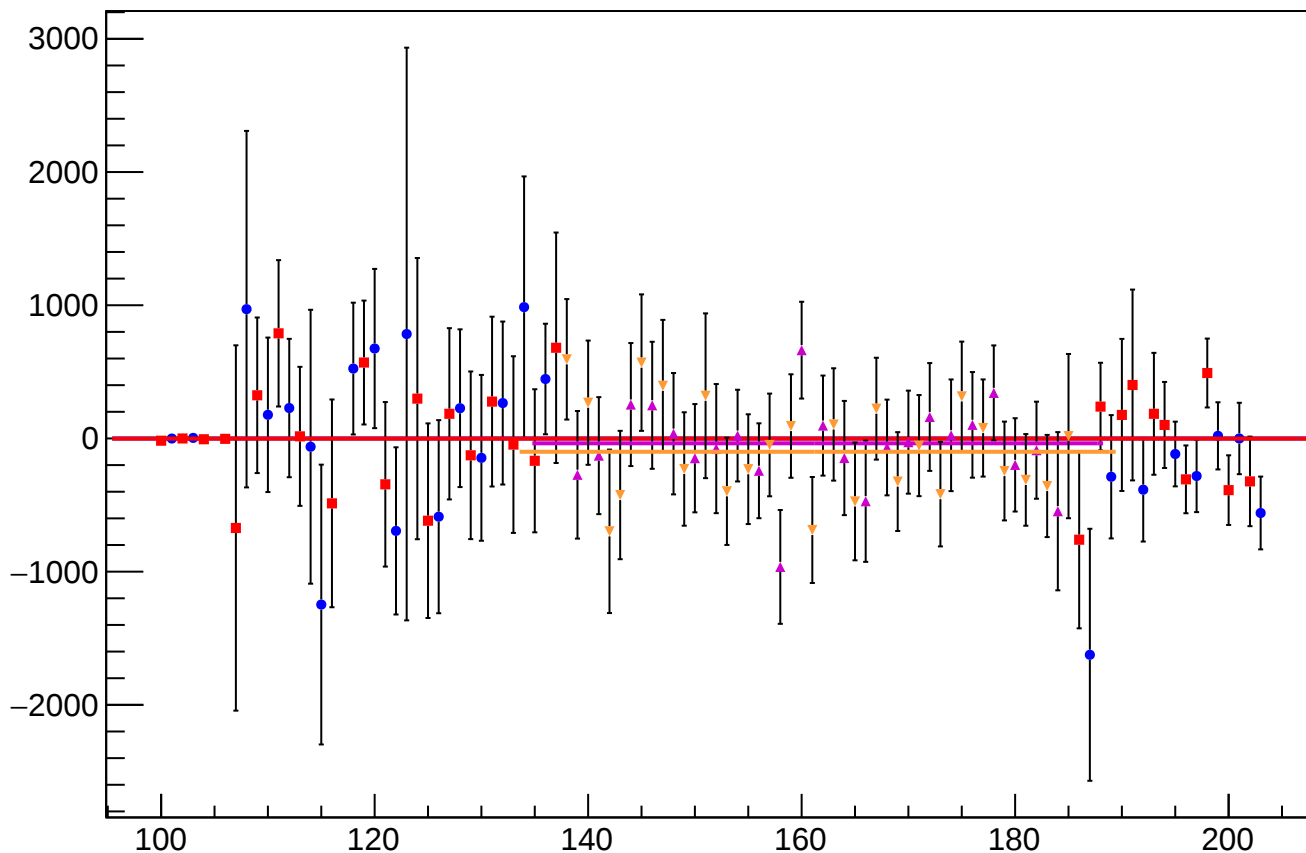
Left In: 193.405+/-0.034 χ^2/NDF :1172169.3/22

+ sign 196.385+/-0.027 χ^2/NDF : 6584384.8/49

All: 193.227+/-0.019 χ^2/NDF : 13135328.8/10

- sign 190.211+/-0.026 χ^2/NDF : 6523833.7/51

asym_cav4dQ_mean vs Slug



Right In: -0.196 ± 1.736 χ^2/NDF : 19.9/24

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.328 ± 1.622 χ^2/NDF : 20.1/28

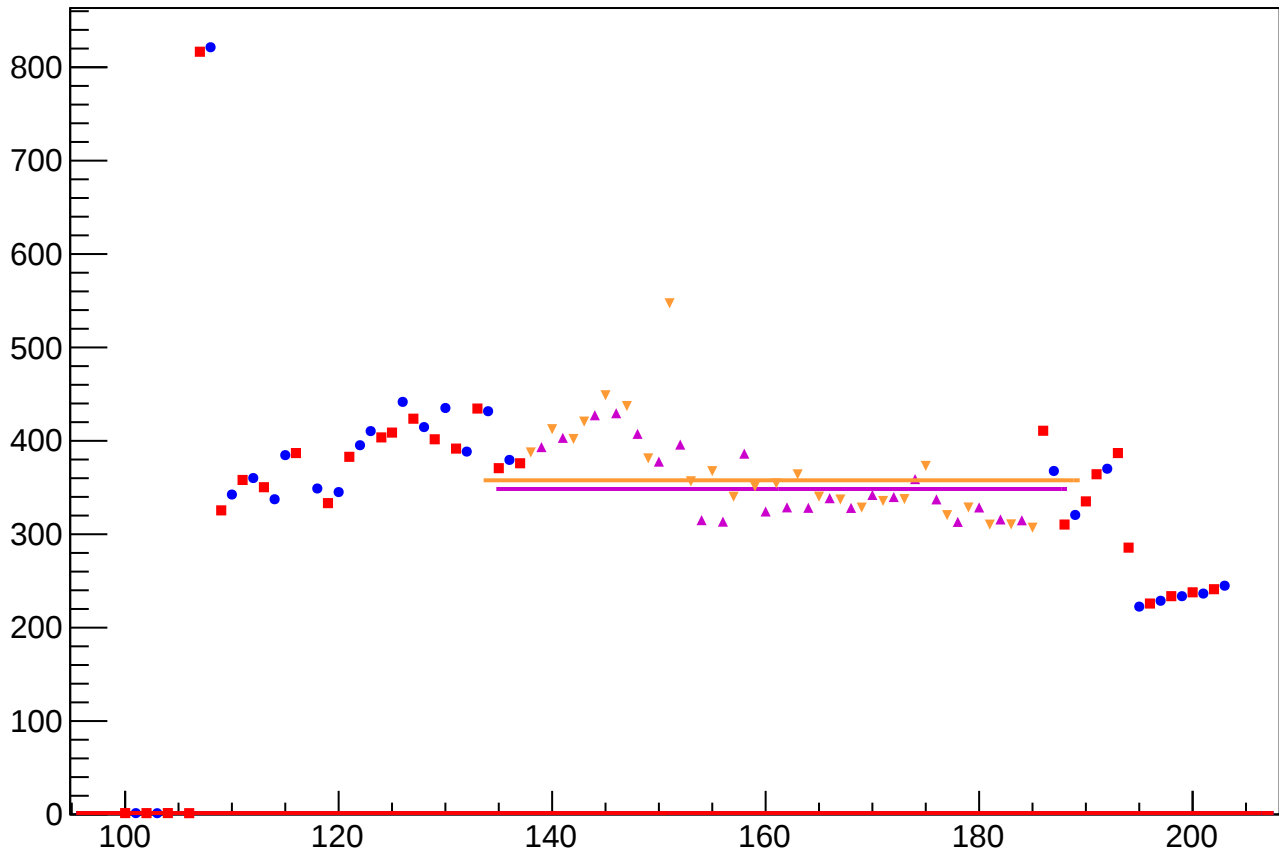
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.239 ± 1.736 χ^2/NDF : 37.0/49

All: -0.827 ± 1.185 χ^2/NDF : 70.9/101

- sign -1.341 ± 1.622 χ^2/NDF : 33.8/51

asym_cav4dQ_rms vs Slug



Right In: 1.517 $\pm$ 0.001 χ^2 /NDF: 21846427.2/24

Left Out: 357.771 $\pm$ 0.060 χ^2 /NDF: 547124.8/24

Right Out: 1.510 $\pm$ 0.001 χ^2 /NDF: 23340775.4/28

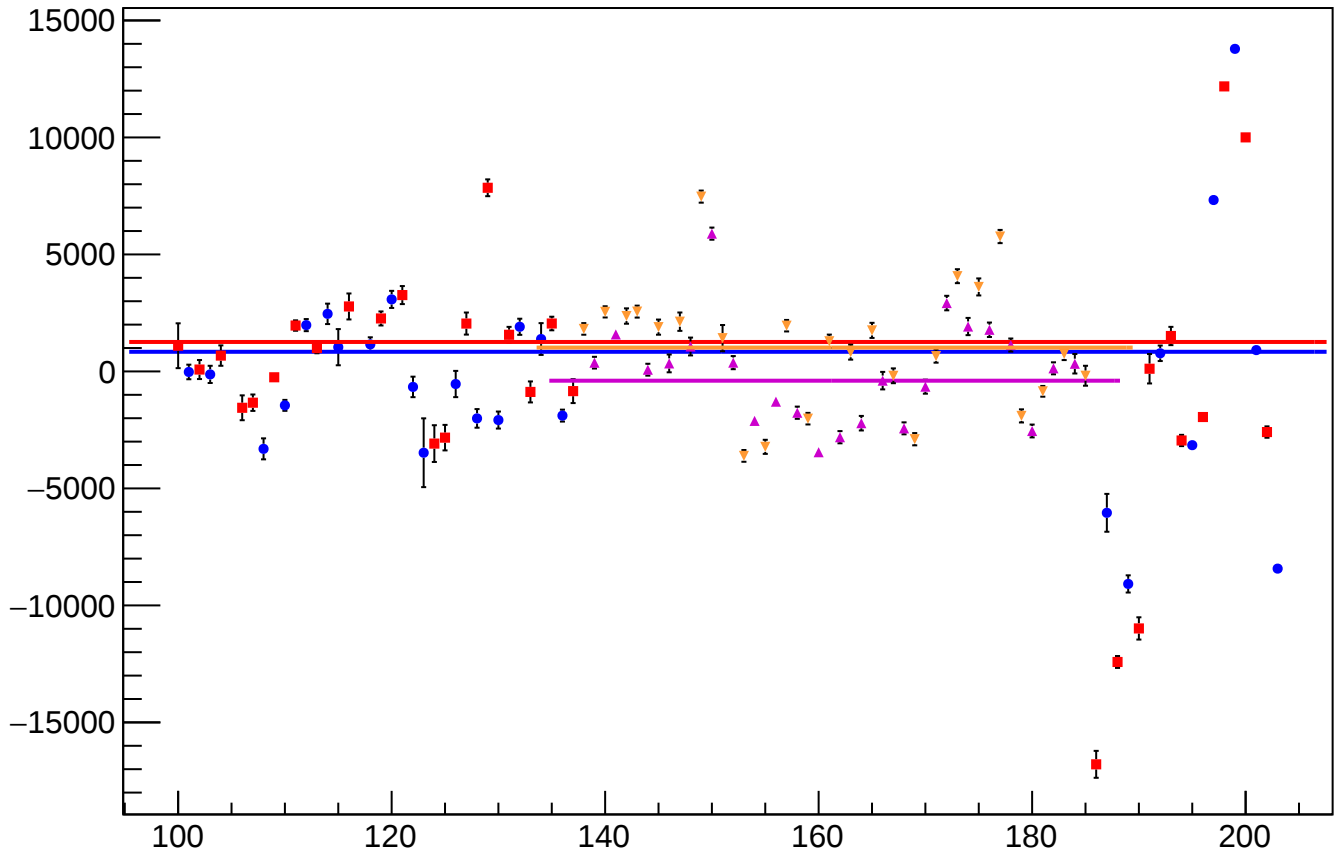
Left In: 348.464 $\pm$ 0.060 χ^2 /NDF: 360425.7/22

+ sign 1.668 $\pm$ 0.001 χ^2 /NDF: 58190542.8/49

All: 1.652 $\pm$ 0.001 χ^2 /NDF: 115458130.2/101

- sign 1.638 $\pm$ 0.001 χ^2 /NDF: 57267251.5/51

asym_bcm0l02_mean vs Slug



Right In: 839.043 $\pm$ 58.358 χ^2 /NDF: 10605.6/24

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF: 2310.1/24

Right Out: 1259.065 $\pm$ 56.140 χ^2 /NDF: 11894.5/28

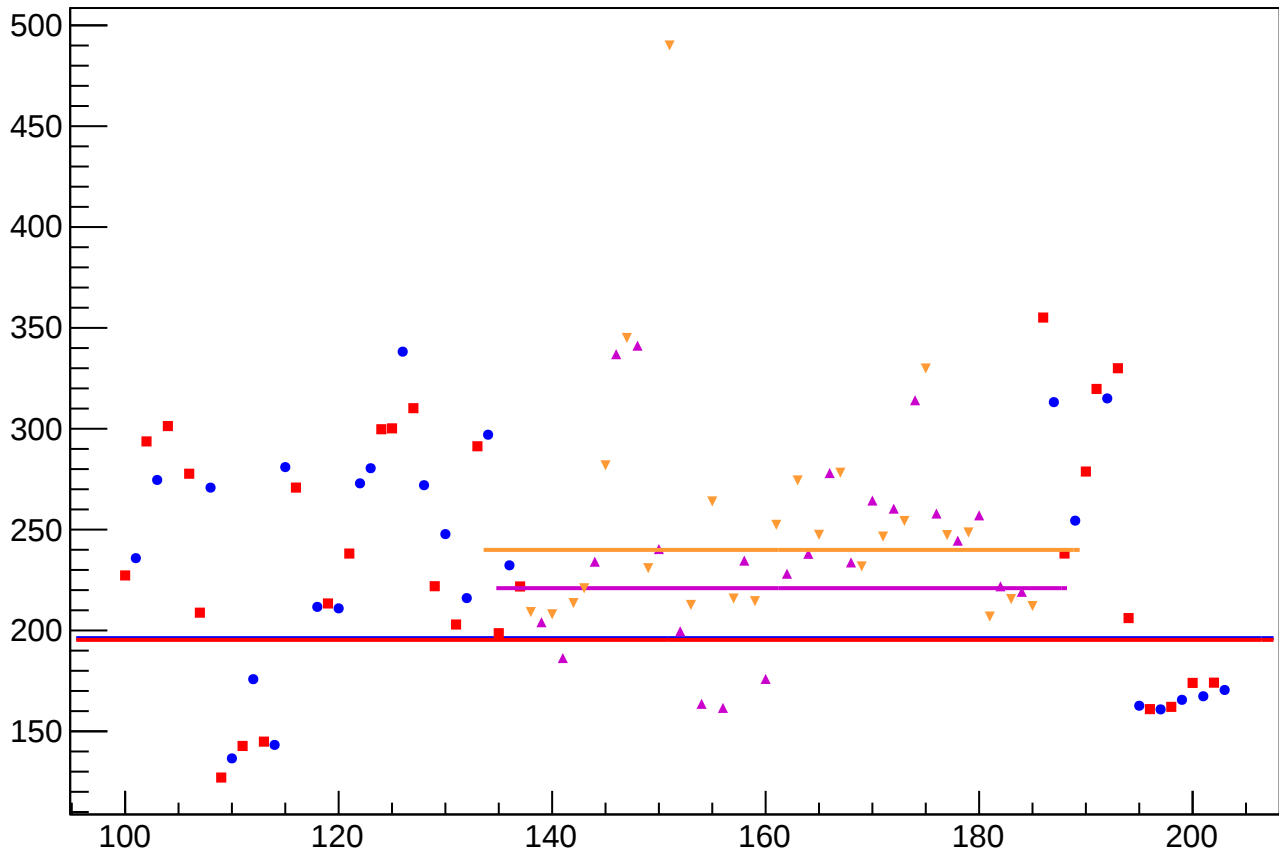
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF: 1581.0/22

+ sign 930.490 $\pm$ 40.923 χ^2 /NDF: 12920.5/49

All: 662.769 $\pm$ 28.353 χ^2 /NDF: 26921.5/101

- sign 415.608 $\pm$ 39.320 χ^2 /NDF: 13918.6/51

asym_bcm0l02_rms vs Slug



Right In: 196.193 ± 0.041 χ^2/NDF : 1412130.0/24

Left Out: 239.942 ± 0.041 χ^2/NDF : 1000770.0/24

Right Out: 195.332 ± 0.040 χ^2/NDF : 1961576.2/28

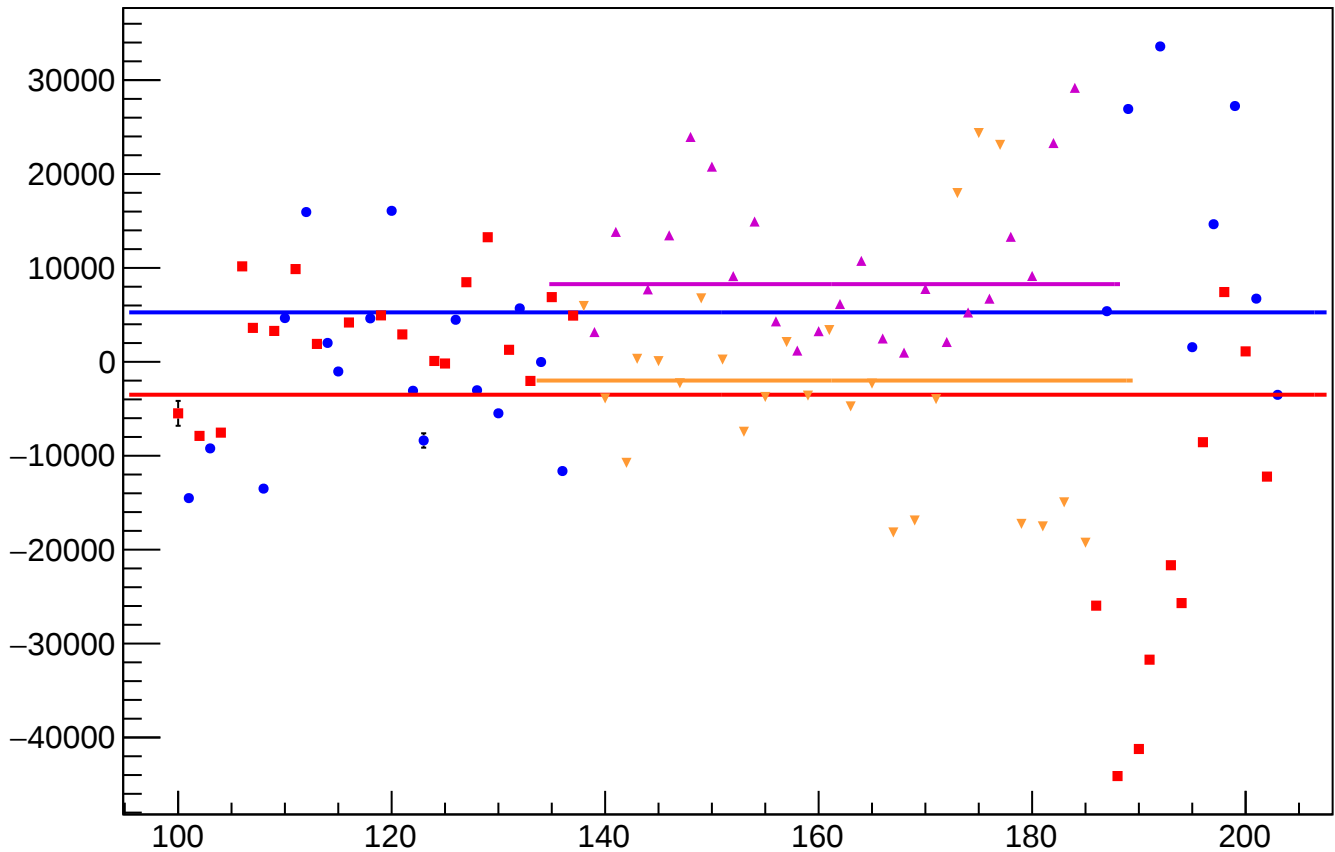
Left In: 220.972 ± 0.039 χ^2/NDF : 1327680.6/22

+ sign 218.429 ± 0.029 χ^2/NDF : 2984178.9/49

All: 213.211 ± 0.020 χ^2/NDF : 6548496.9/100

- sign 208.393 ± 0.028 χ^2/NDF : 3501784.5/51

asym_bpm0i02WS_mean vs Slug



Right In: 5267.696+/-44.348 χ^2/NDF : 86495.0/24

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

+ sign 1477.276+/-30.657 χ^2/NDF : 164252.2/49

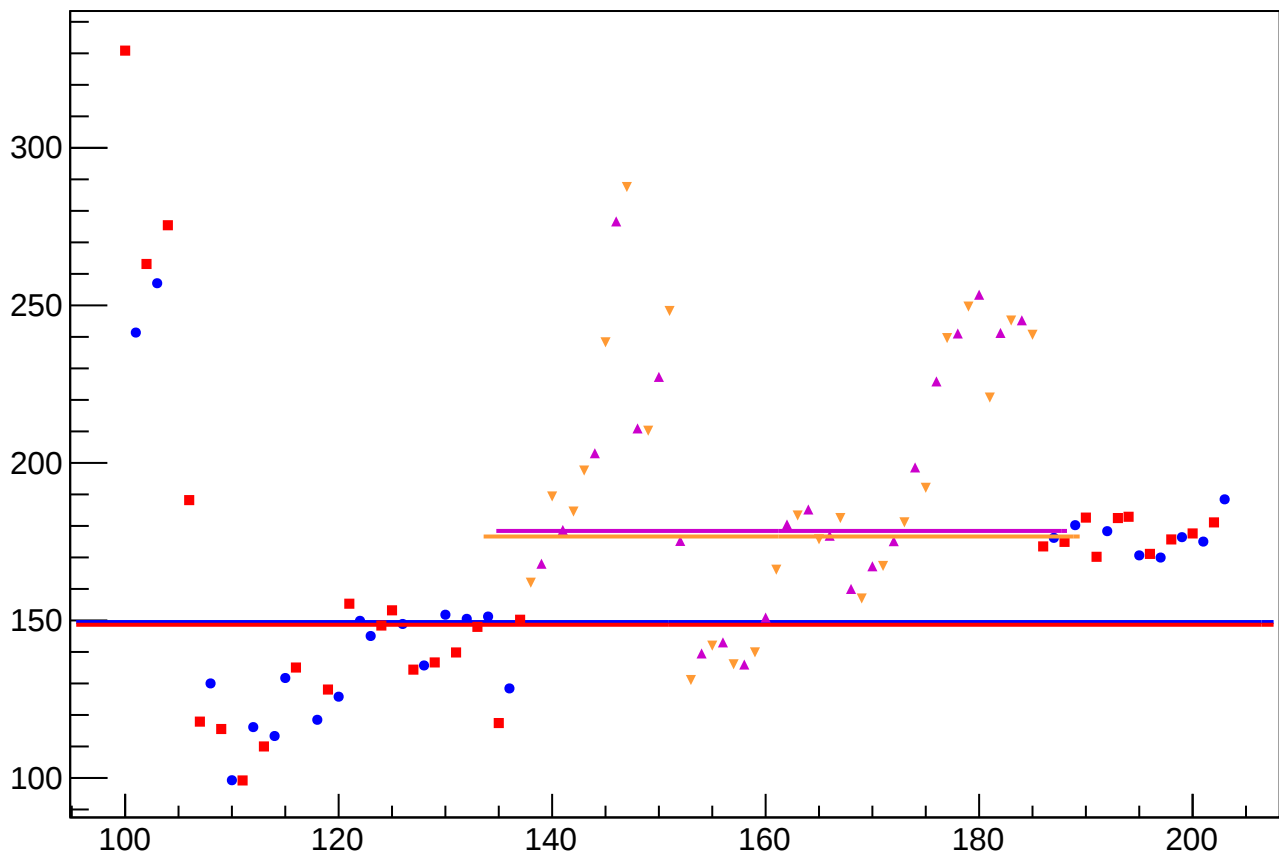
Right Out: -3501.445+/-42.017 χ^2/NDF : 132040.1/28

All: 1777.567+/-21.617 χ^2/NDF : 356542.8/100

- sign 2074.516+/-30.486 χ^2/NDF : 192099.7/51

Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

asym_bpm0i02WS_rms vs Slug



Right In: 149.494+/-0.031 χ^2/NDF : 1064776.5/24

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 148.632+/-0.030 χ^2/NDF : 1353383.1/28

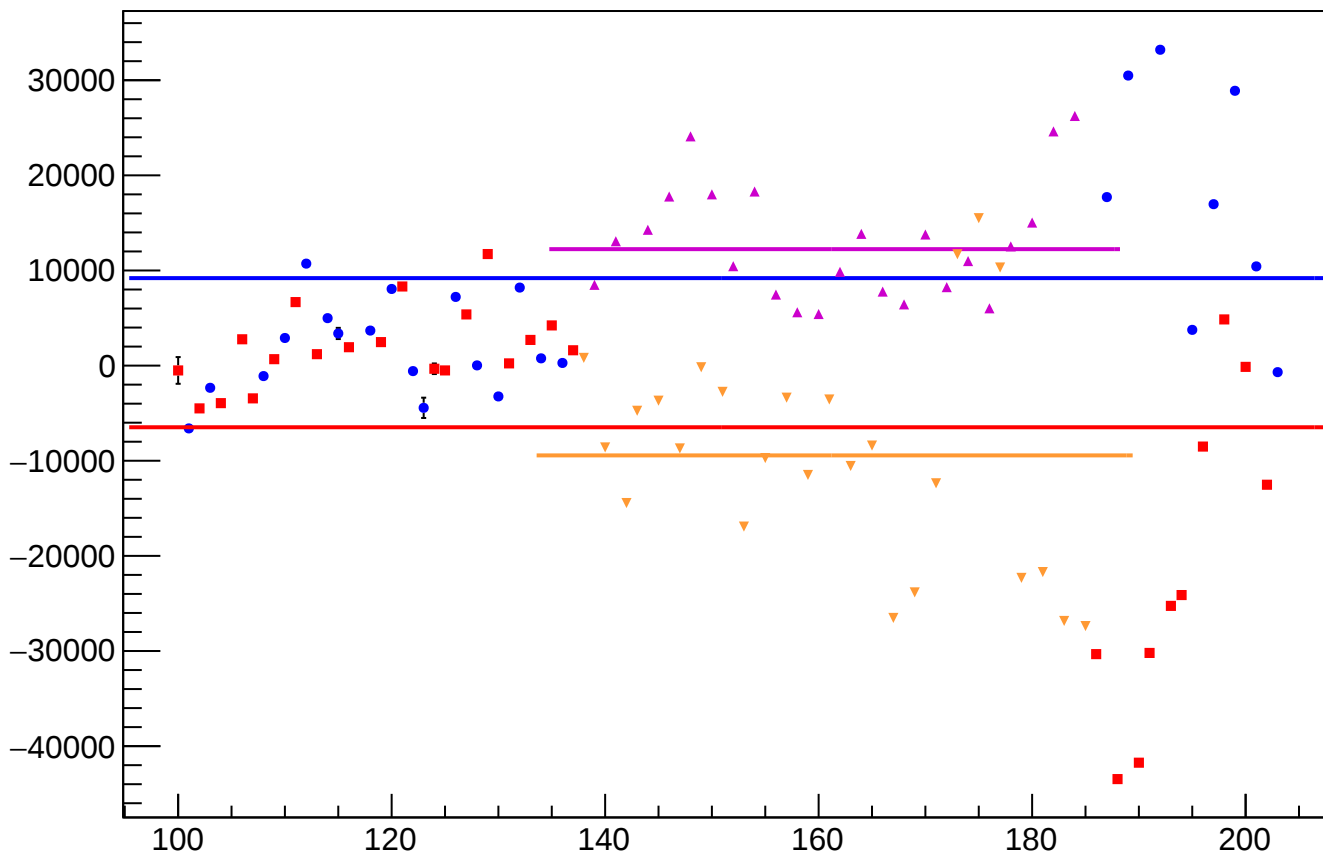
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 163.668+/-0.022 χ^2/NDF : 3007116.0/49

All: 163.199+/-0.015 χ^2/NDF : 6130988.5/103

- sign 162.735+/-0.022 χ^2/NDF : 3122940.8/51

asym_bpm0i02aWS_mean vs Slug



Right In: 9197.469+/-51.213 χ^2/NDF : 48378.8/24

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -6480.357+/-48.304 χ^2/NDF : 102127.7/28

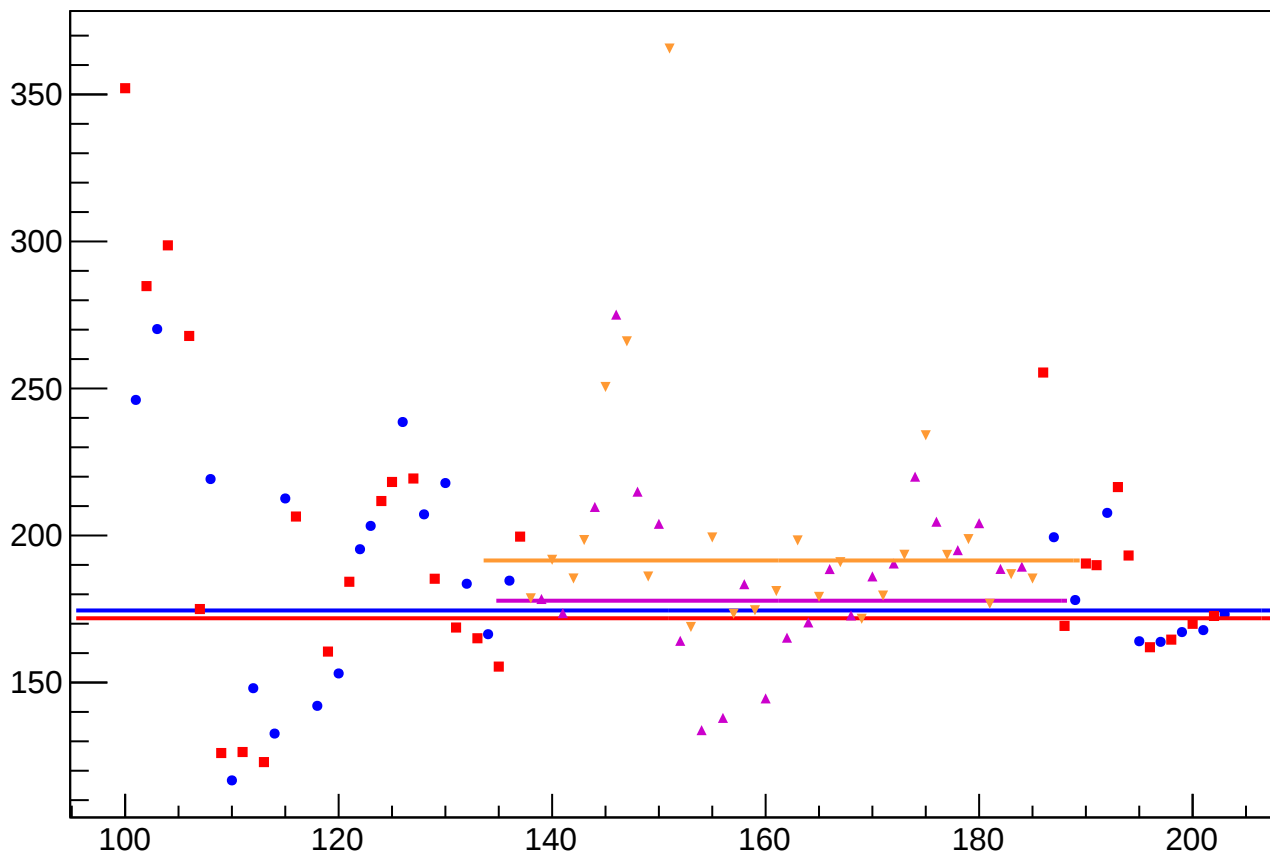
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -1210.021+/-34.029 χ^2/NDF : 184544.4/49

All: 1390.702+/-23.505 χ^2/NDF : 396659.1/10

- sign 3763.796+/-32.506 χ^2/NDF : 200943.8/51

asym_bpm0i02aWS_rms vs Slug



Right In: 174.506+/-0.036 χ^2/NDF : 758144.9/24

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 171.850+/-0.034 χ^2/NDF : 1123599.9/28

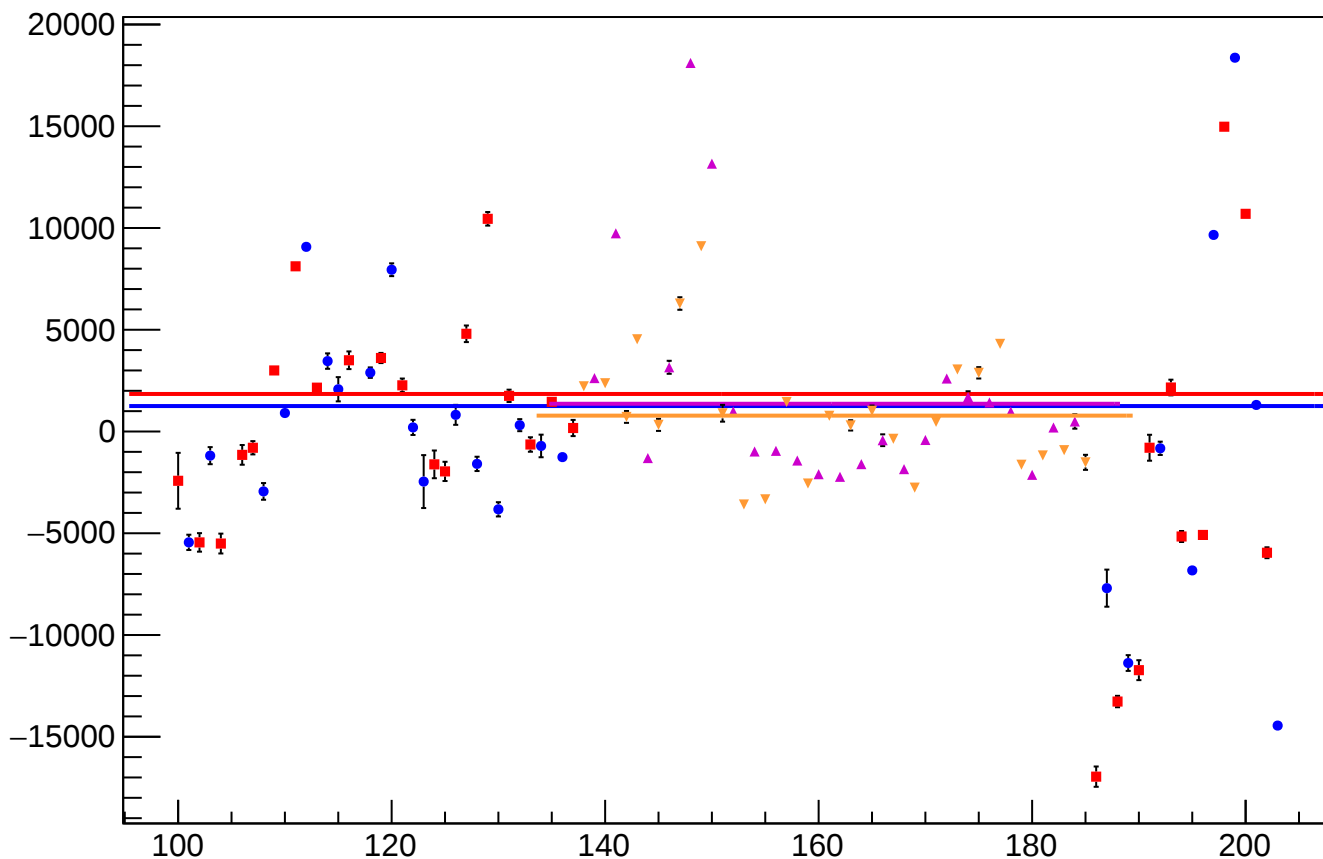
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 184.001+/-0.024 χ^2/NDF : 1608492.1/49

All: 179.356+/-0.017 χ^2/NDF : 3682577.7/103

- sign 175.117+/-0.023 χ^2/NDF : 2002818.0/51

asym_bpm0i05WS_mean vs Slug



Right In: 1250.674 $\pm$ 57.546 χ^2 /NDF: 19635.7/24

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: 1844.516 $\pm$ 54.666 χ^2 /NDF: 16534.3/28

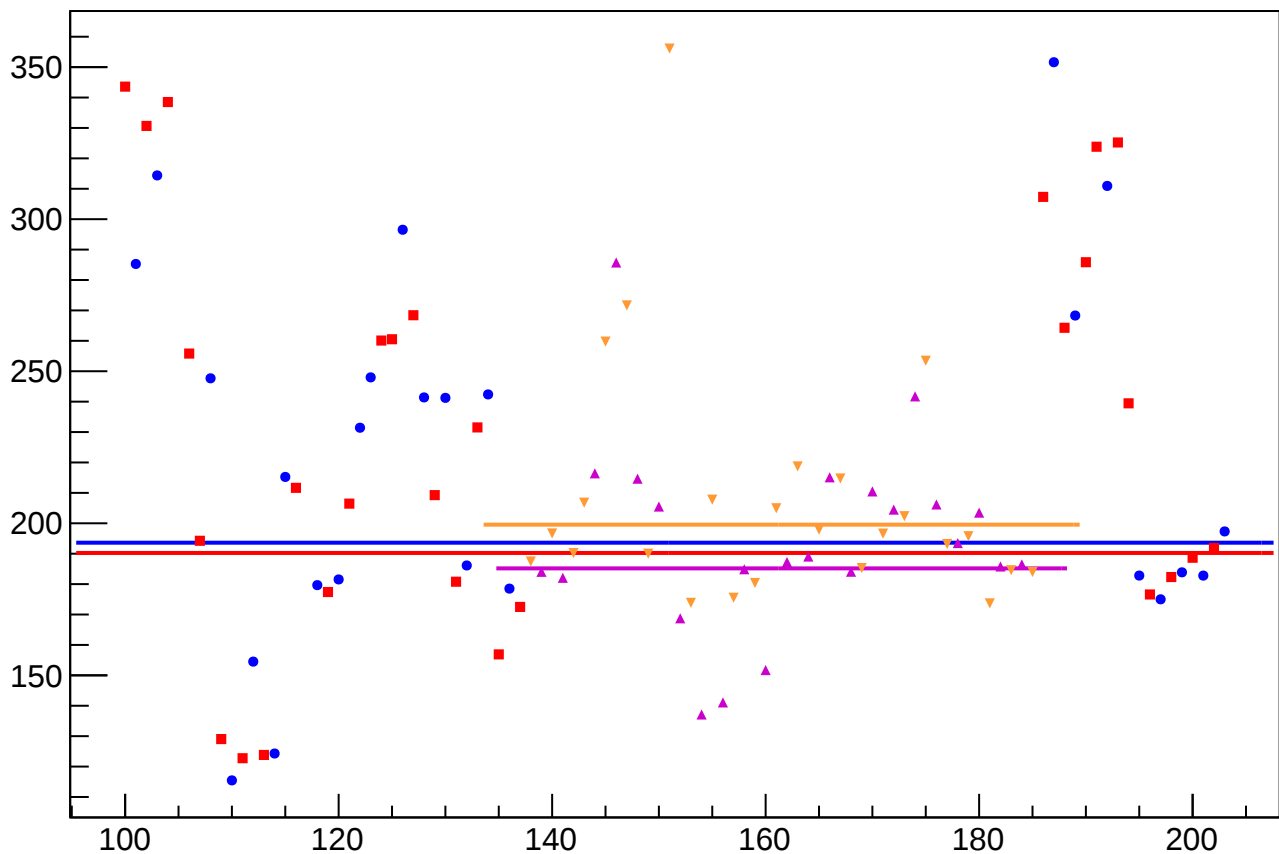
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 970.517 $\pm$ 36.613 χ^2 /NDF: 23936.3/49

All: 1278.467 $\pm$ 25.341 χ^2 /NDF: 52284.8/101

- sign 1561.652 $\pm$ 35.110 χ^2 /NDF: 28212.7/51

asym_bpm0i05WS_rms vs Slug



Right In: 193.619 $\pm$ 0.041 χ^2 /NDF: 1406821.6/24

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 190.243 $\pm$ 0.039 χ^2 /NDF: 2127644.8/28

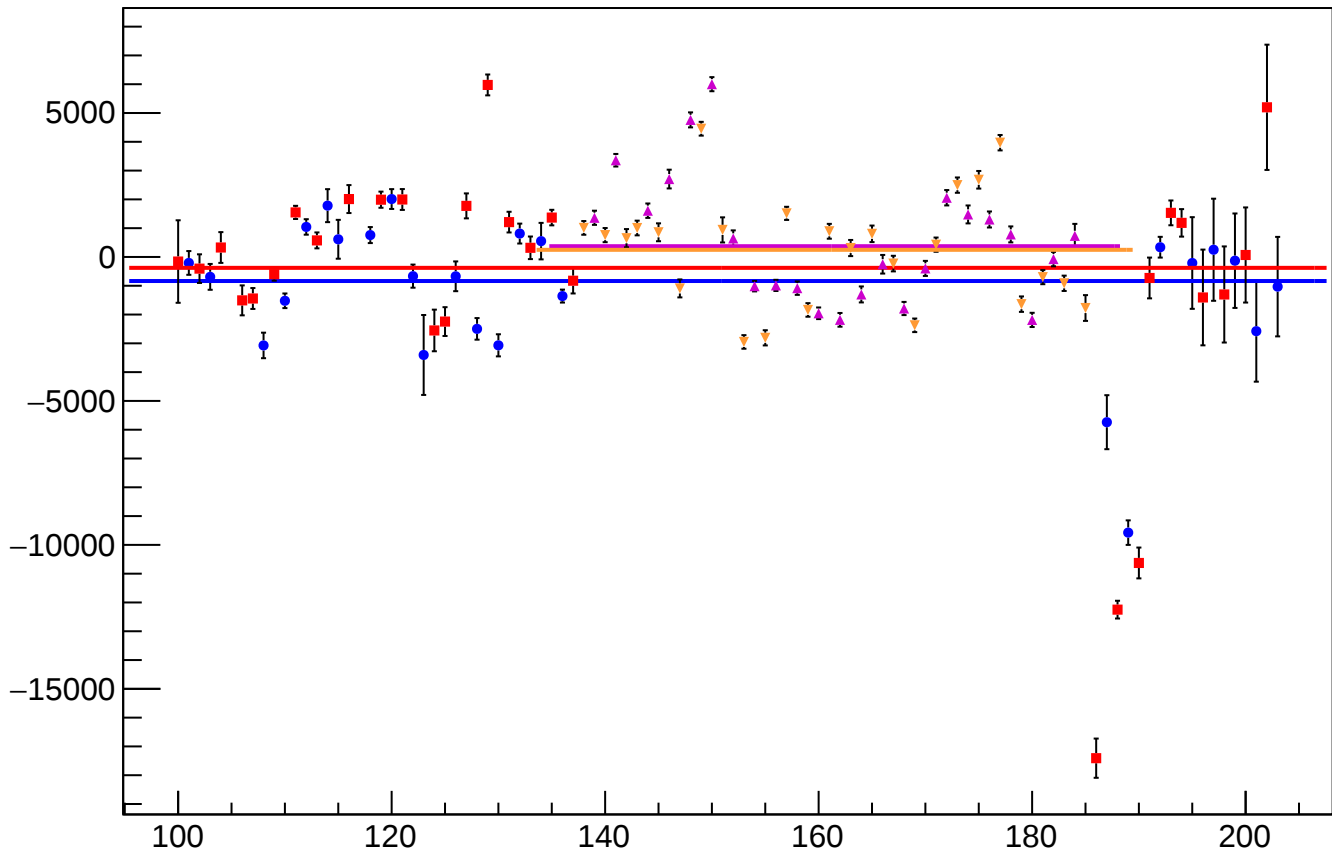
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 197.147 $\pm$ 0.026 χ^2 /NDF: 2148808.2/49

All: 191.998 $\pm$ 0.018 χ^2 /NDF: 5245258.6/103

- sign 187.263 $\pm$ 0.025 χ^2 /NDF: 3020512.4/51

asym_bpm0i07WS_mean vs Slug



Right In: -835.352 ± 83.641 χ^2/NDF : 761.2/24

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -377.934 ± 75.140 χ^2/NDF : 3169.1/28

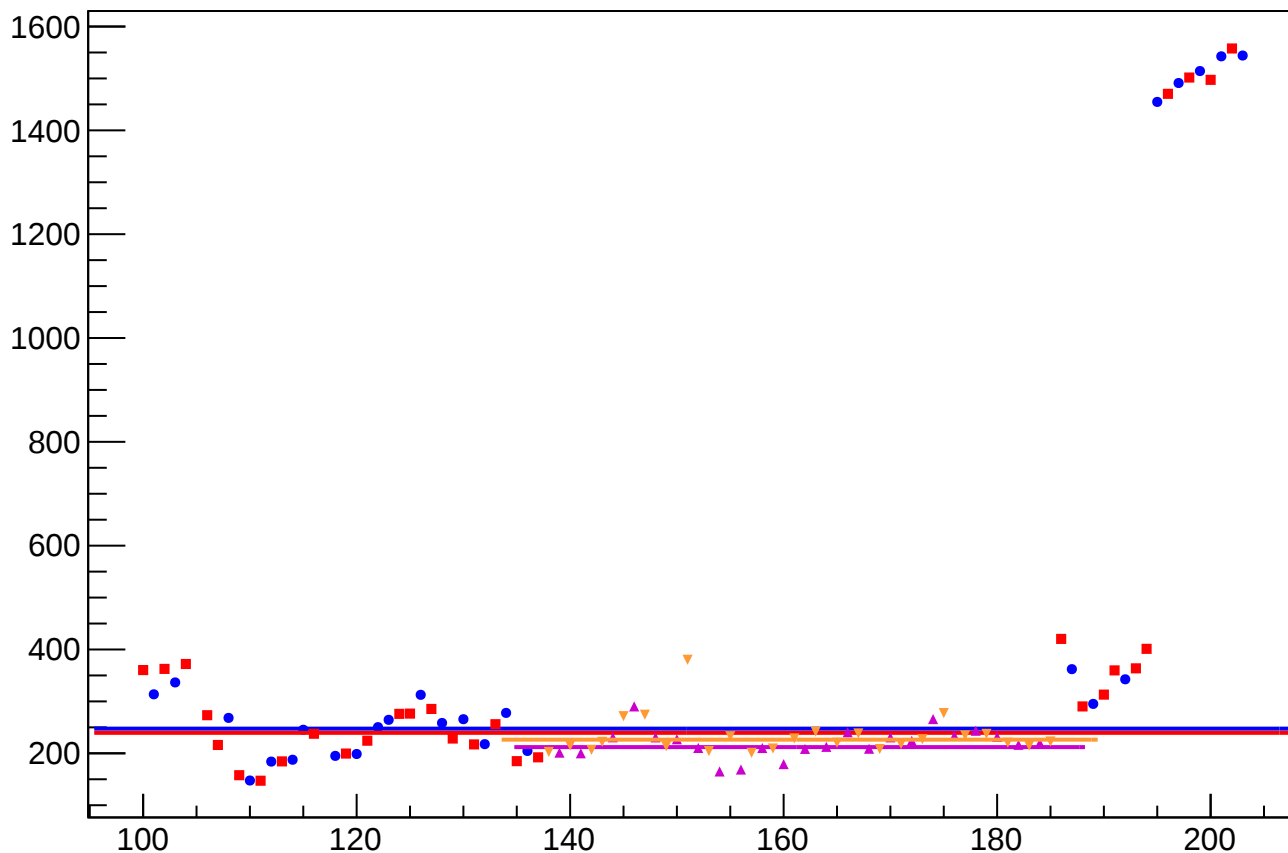
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -67.117 ± 45.102 χ^2/NDF : 2235.2/49

All: 36.773 ± 31.041 χ^2/NDF : 7283.1/101

- sign 130.272 ± 42.787 χ^2/NDF : 5037.8/51

asym_bpm0i07WS_rms vs Slug



Right In: 247.535 $\pm$ 0.059 χ^2 /NDF: 6556667.9/24

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 239.449 $\pm$ 0.053 χ^2 /NDF: 5967447.8/28

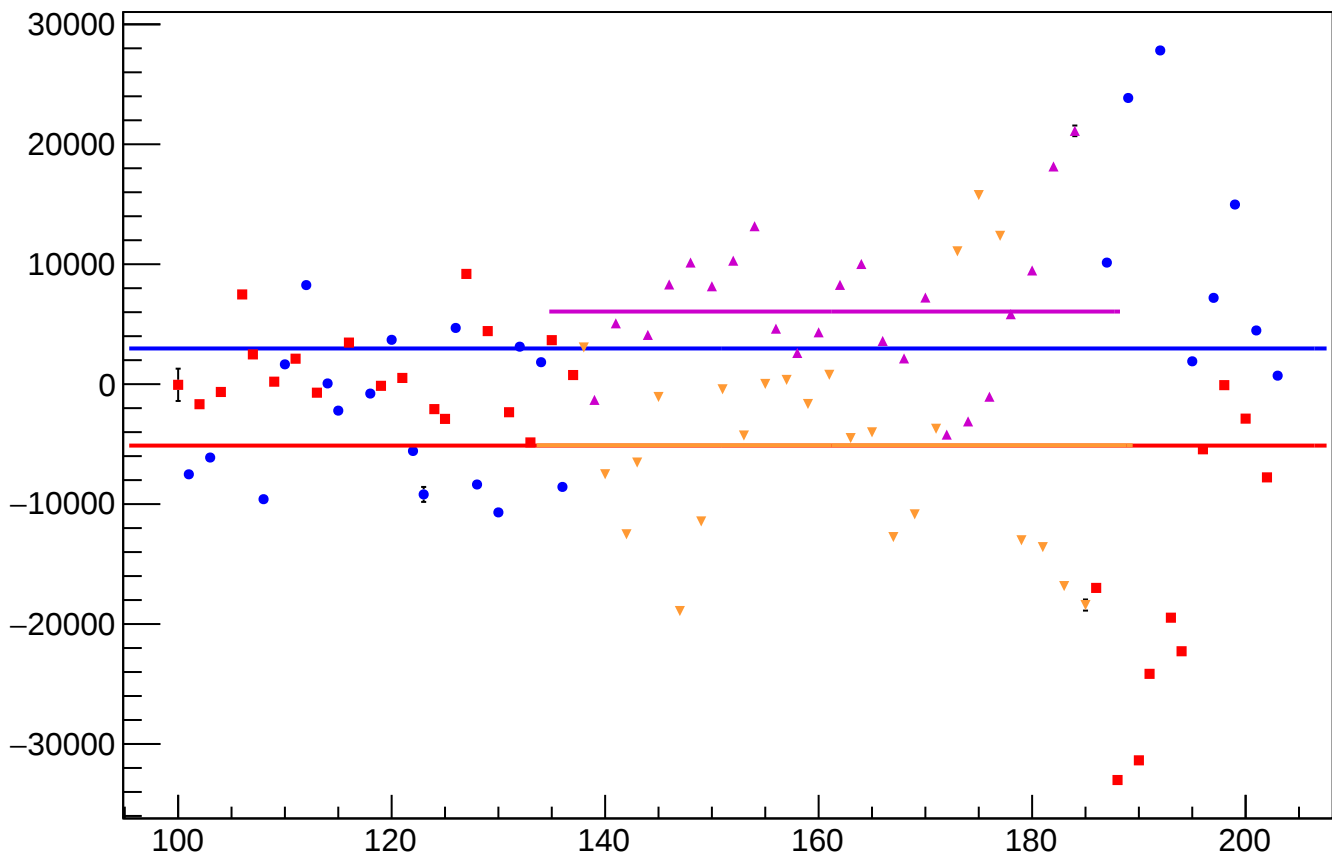
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 232.490 $\pm$ 0.032 χ^2 /NDF: 7168949.3/49

All: 226.379 $\pm$ 0.022 χ^2 /NDF: 13971244.9/10

- sign 220.880 $\pm$ 0.030 χ^2 /NDF: 6732546.7/51

asym_bpm1i02WS_mean vs Slug



Right In: 2975.453+/-37.694 χ^2/NDF : 73382.5/24

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5121.595+/-35.401 χ^2/NDF : 100997.5/28

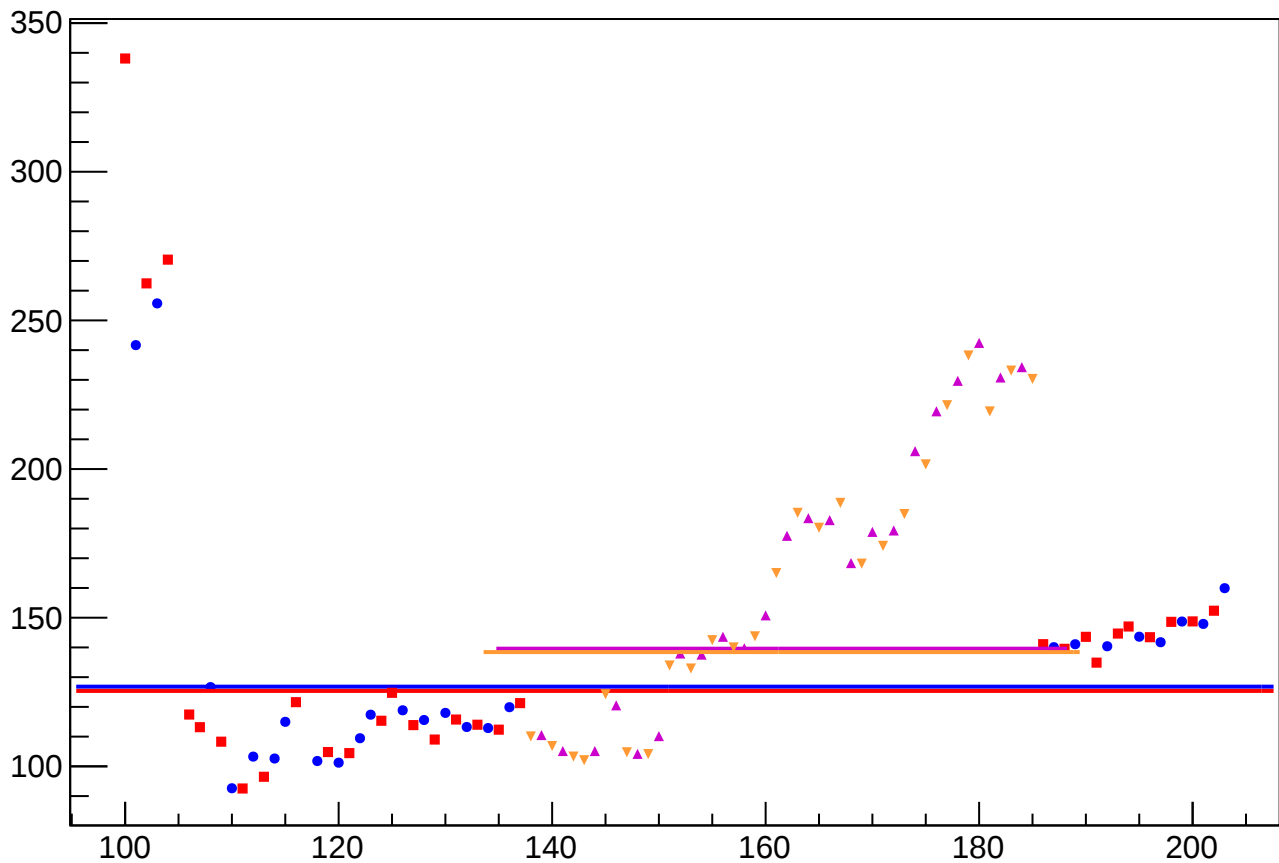
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -1509.659+/-25.125 χ^2/NDF : 153254.0/49

All: -480.229+/-17.682 χ^2/NDF : 325563.3/10

- sign 529.926+/-24.889 χ^2/NDF : 168983.3/51

asym_bpm1i02WS_rms vs Slug



Right In: 126.806+/-0.027 χ^2/NDF : 1057771.1/24

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 125.375+/-0.025 χ^2/NDF : 1178338.6/28

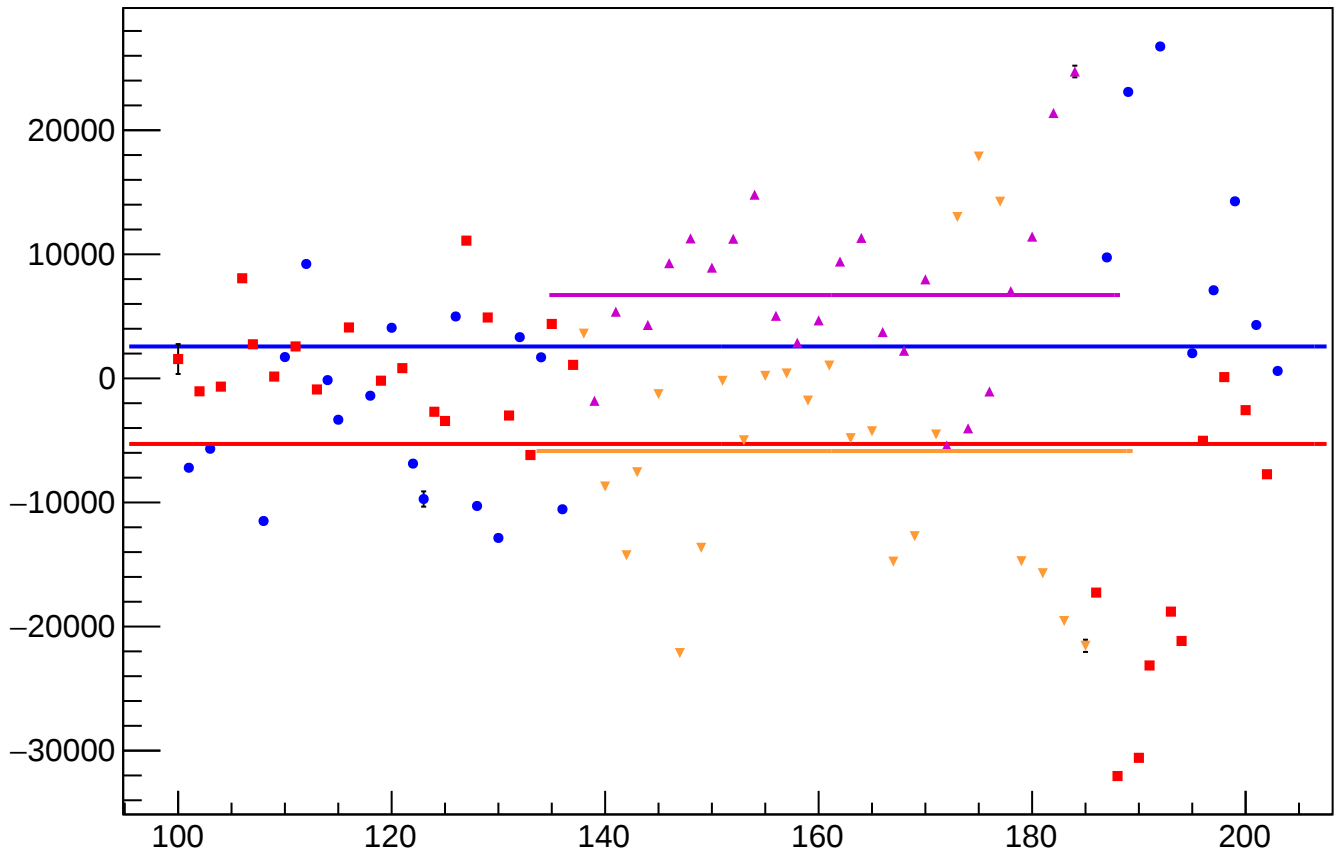
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 133.269+/-0.018 χ^2/NDF : 3712997.3/49

All: 132.910+/-0.013 χ^2/NDF : 7468600.4/103

- sign 132.558+/-0.018 χ^2/NDF : 3754794.1/51

asym_bpm2i01WS_mean vs Slug



Right In: 2572.343 $\pm$ 37.964 χ^2 /NDF: 78372.2/24

Left Out: -5852.544 $\pm$ 35.880 χ^2 /NDF: 63411.4/24

+ sign -1877.727 $\pm$ 26.077 χ^2 /NDF: 167796.2/49

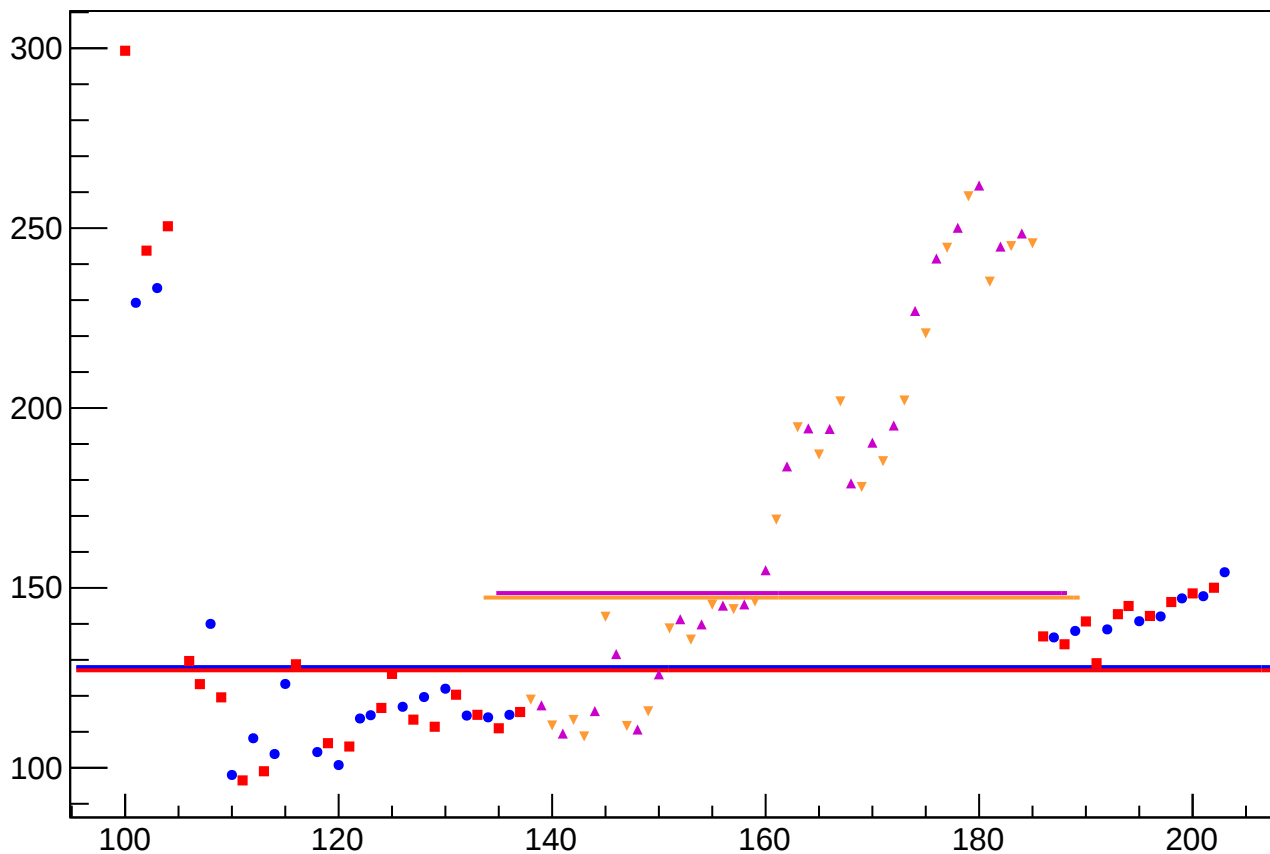
Right Out: -5283.529 $\pm$ 35.795 χ^2 /NDF: 101519.4/28

All: -689.948 $\pm$ 18.347 χ^2 /NDF: 348293.5/10

- sign 474.440 $\pm$ 25.819 χ^2 /NDF: 176388.6/51

Left In: 6718.475 $\pm$ 37.276 χ^2 /NDF: 20934.3/22

asym_bpm2i01WS_rms vs Slug



Right In: 127.986+/-0.027 χ^2/NDF : 866061.3/24

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 127.100+/-0.025 χ^2/NDF : 947122.5/28

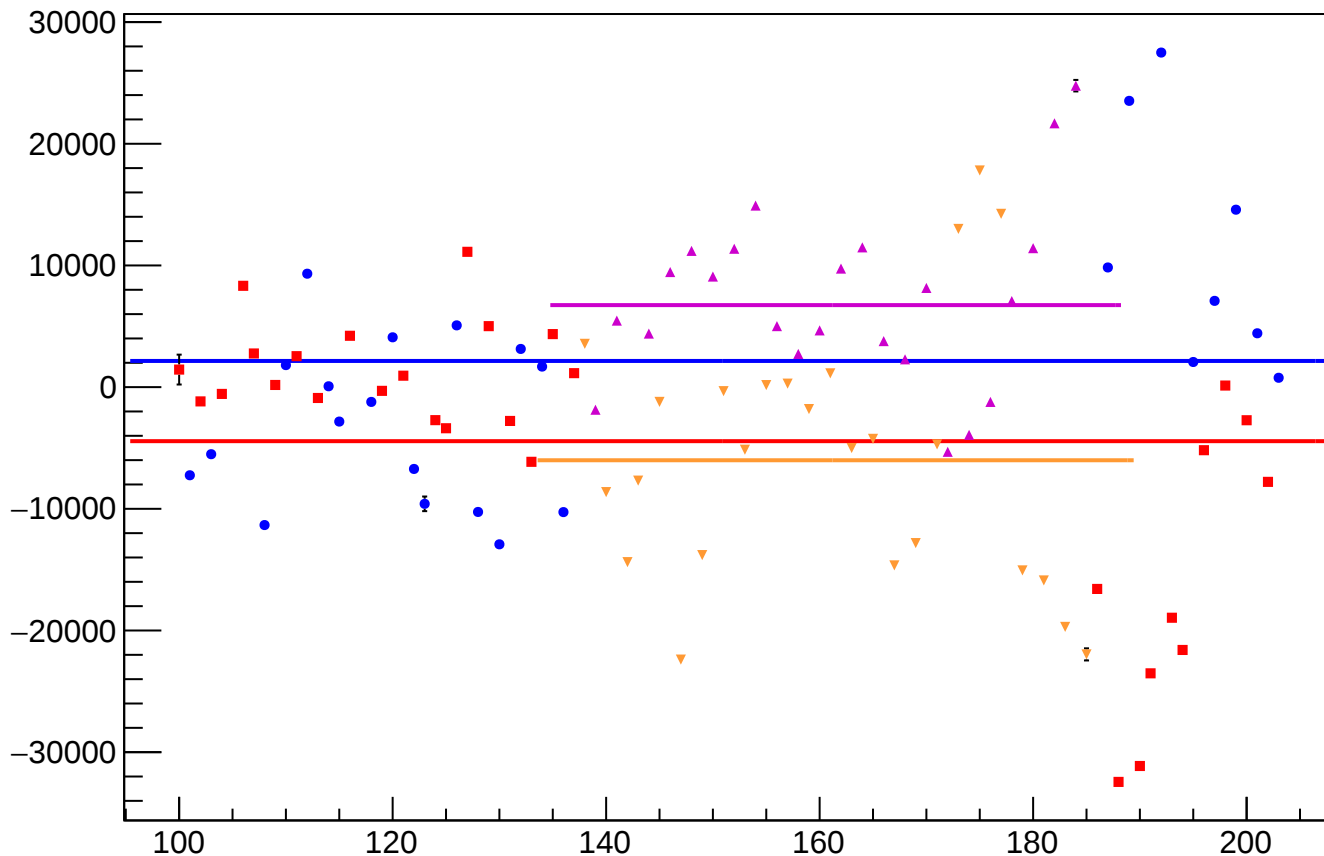
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 138.197+/-0.018 χ^2/NDF : 3651635.9/49

All: 137.794+/-0.013 χ^2/NDF : 7338028.8/100

- sign 137.400+/-0.018 χ^2/NDF : 3685448.4/51

asym_bpm2i02WS_mean vs Slug



Right In: 2151.652 $\pm$ 37.449 χ^2 /NDF: 77702.9/24

Left Out: -6009.913 $\pm$ 35.082 χ^2 /NDF: 67852.2/24

Right Out: -4440.442 $\pm$ 35.446 χ^2 /NDF: 96113.6/28

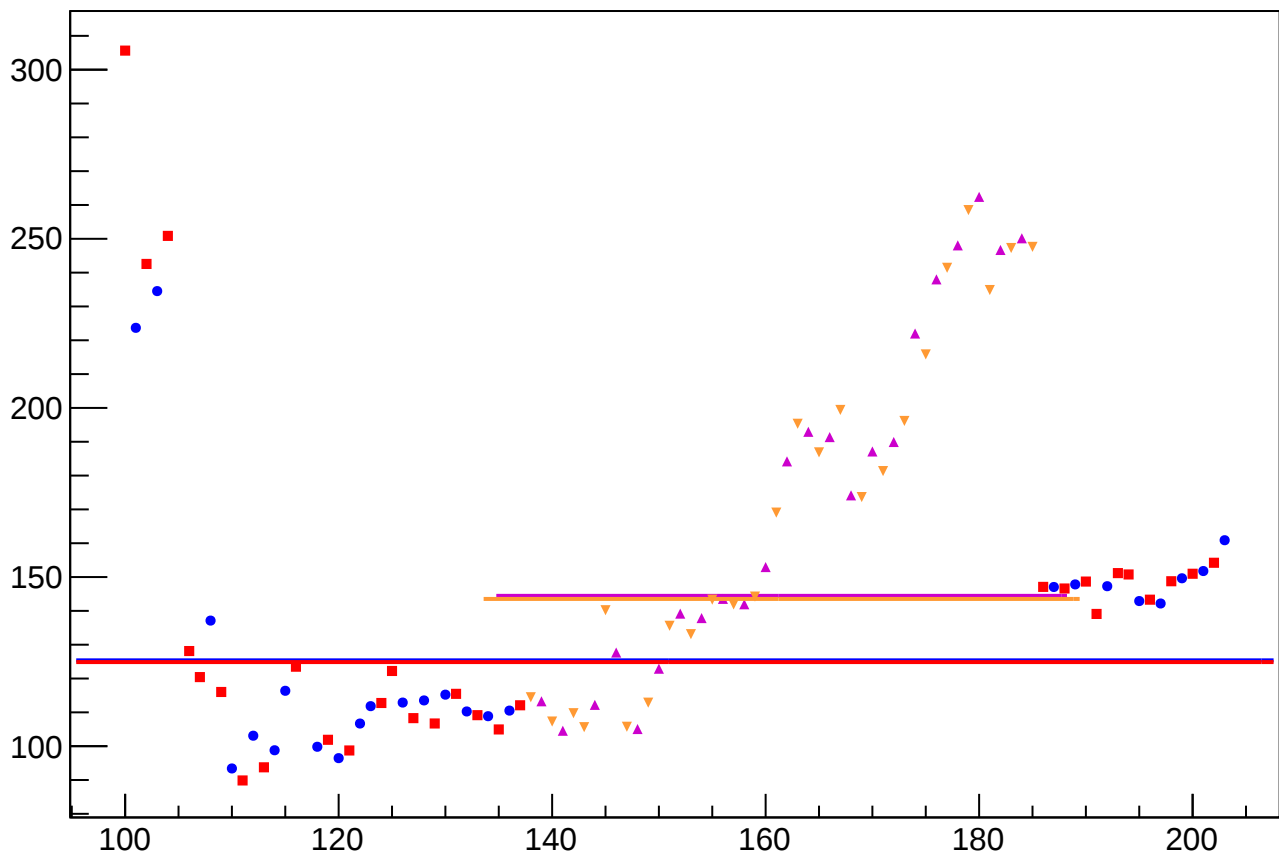
Left In: 6740.666 $\pm$ 36.379 χ^2 /NDF: 22071.8/22

+ sign -2195.154 $\pm$ 25.603 χ^2 /NDF: 170851.8/49

All: -581.635 $\pm$ 18.027 χ^2 /NDF: 345372.1/10

- sign 1004.905 $\pm$ 25.388 χ^2 /NDF: 166643.3/51

asym_bpm2i02WS_rms vs Slug



Right In: 125.375+/-0.026 χ^2/NDF : 1107107.6/24

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 124.864+/-0.025 χ^2/NDF : 1274108.0/28

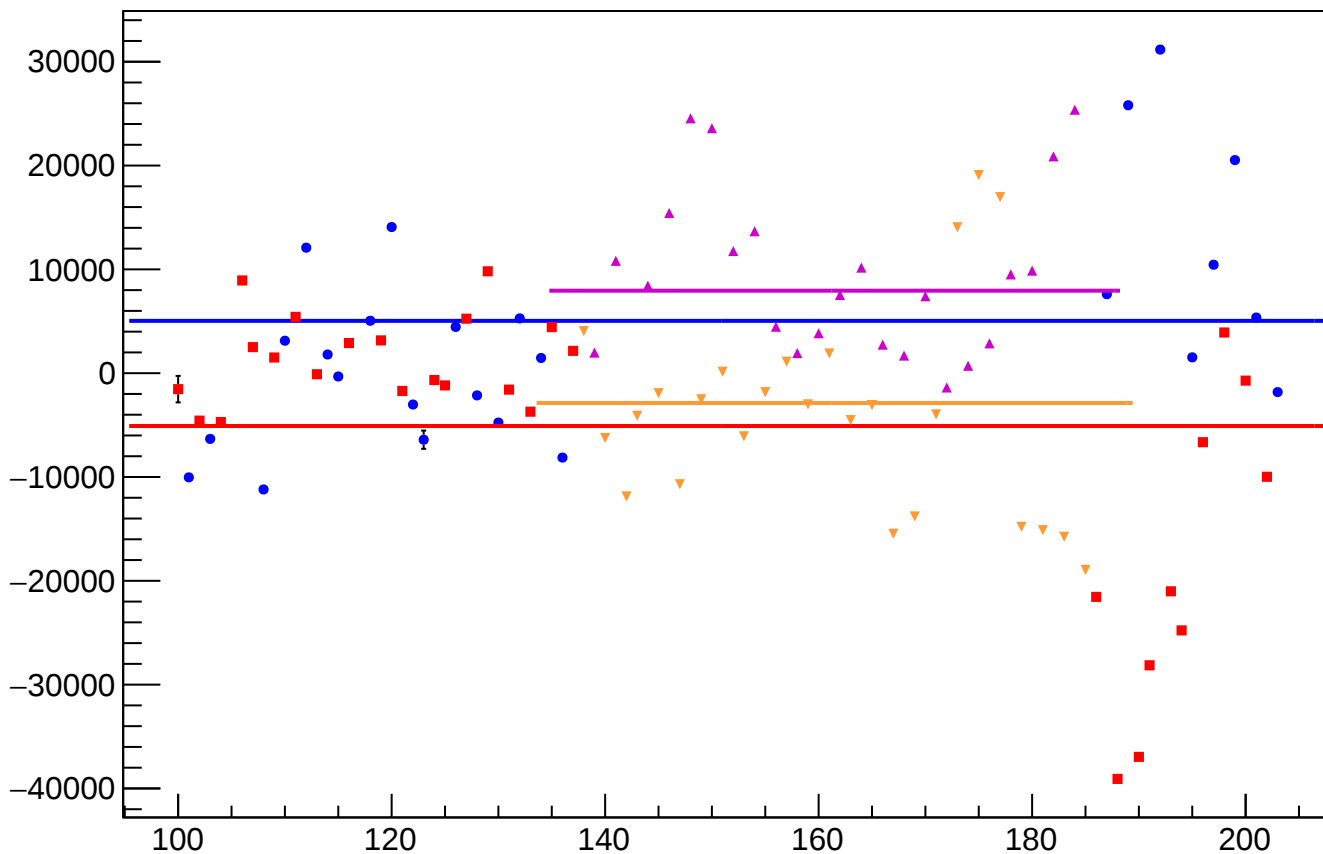
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 135.045+/-0.018 χ^2/NDF : 4062255.3/49

All: 134.718+/-0.013 χ^2/NDF : 8221012.3/103

- sign 134.397+/-0.018 χ^2/NDF : 4158112.4/51

asym_bpm0i01WS_mean vs Slug



Right In: 5040.865+/-45.335 χ^2/NDF : 59714.6/24

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: -5088.919+/-42.892 χ^2/NDF : 95214.4/28

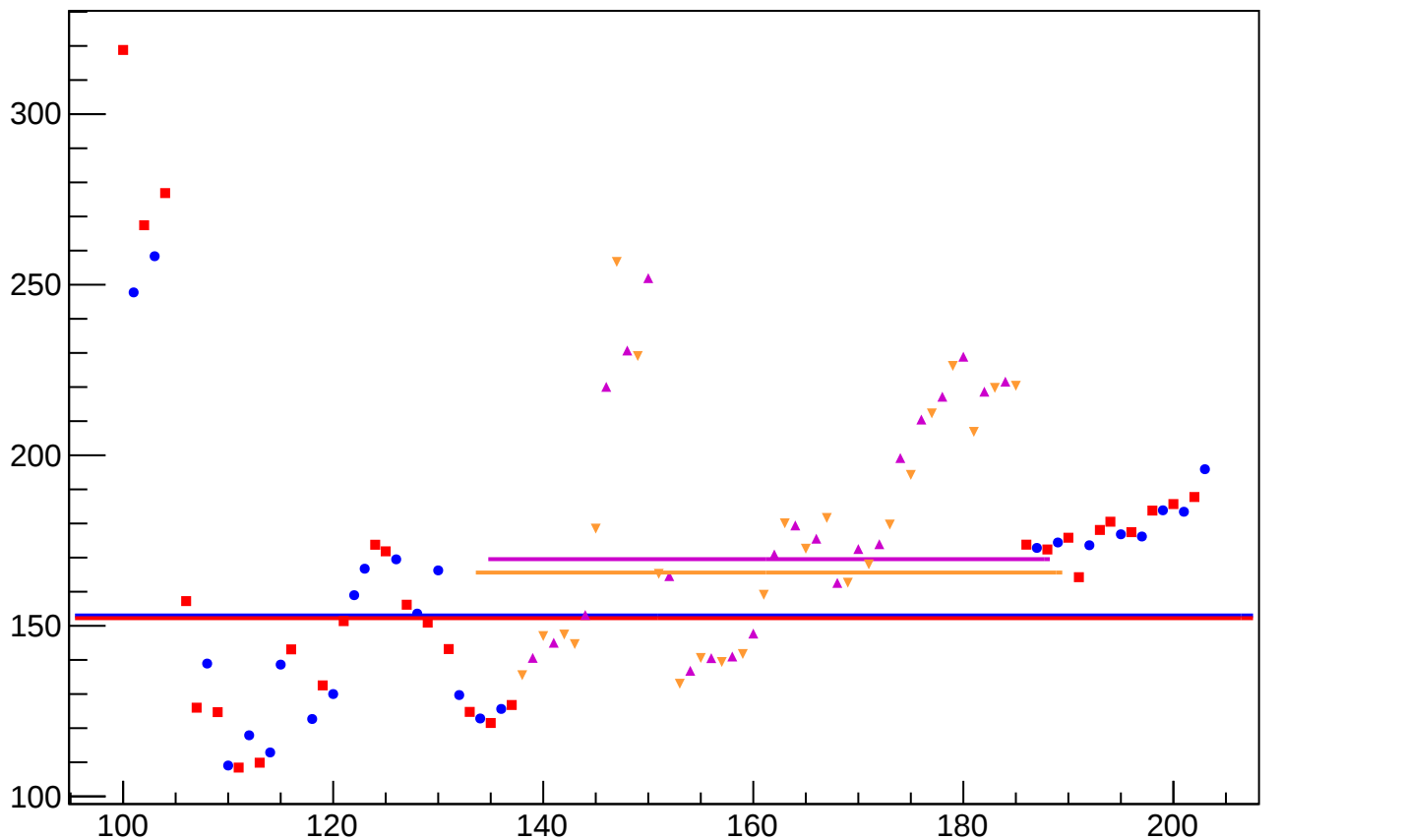
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign 541.823+/-29.774 χ^2/NDF : 123452.7/49

All: 1072.916+/-21.101 χ^2/NDF : 290639.5/10

- sign 1608.821+/-29.908 χ^2/NDF : 166547.5/51

asym_bpm0i01WS_rms vs Slug



Right In: 153.032+/-0.032 χ^2/NDF : 1066720.0/24

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 152.239+/-0.030 χ^2/NDF : 1206653.9/28

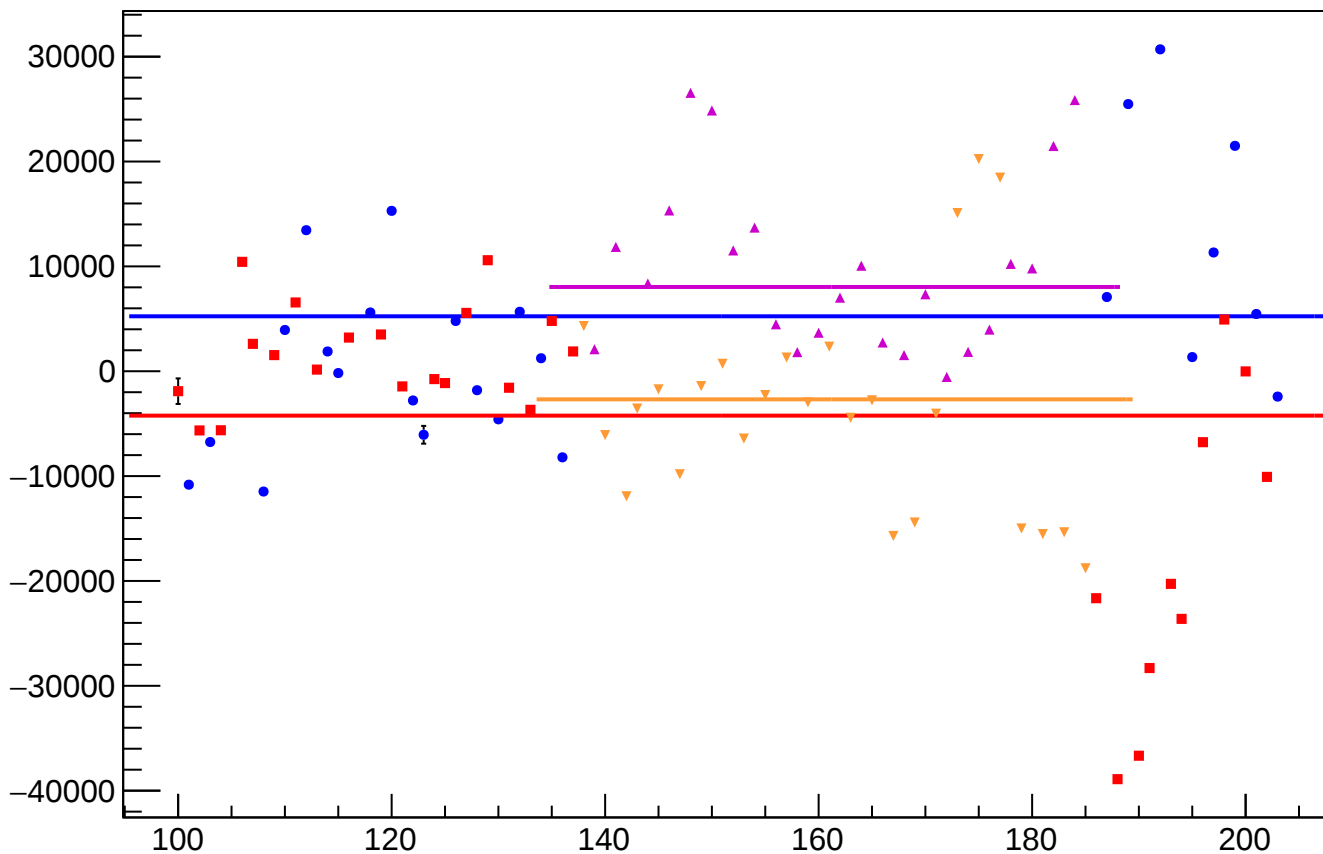
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 160.188+/-0.021 χ^2/NDF : 2299136.3/49

All: 160.657+/-0.015 χ^2/NDF : 4833233.0/100

- sign 161.129+/-0.021 χ^2/NDF : 2533103.3/51

asym_bpm0i01aWS_mean vs Slug



Right In: 5240.332+/-38.184 χ^2/NDF : 84100.3/24

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -4233.934+/-35.879 χ^2/NDF : 132312.7/28

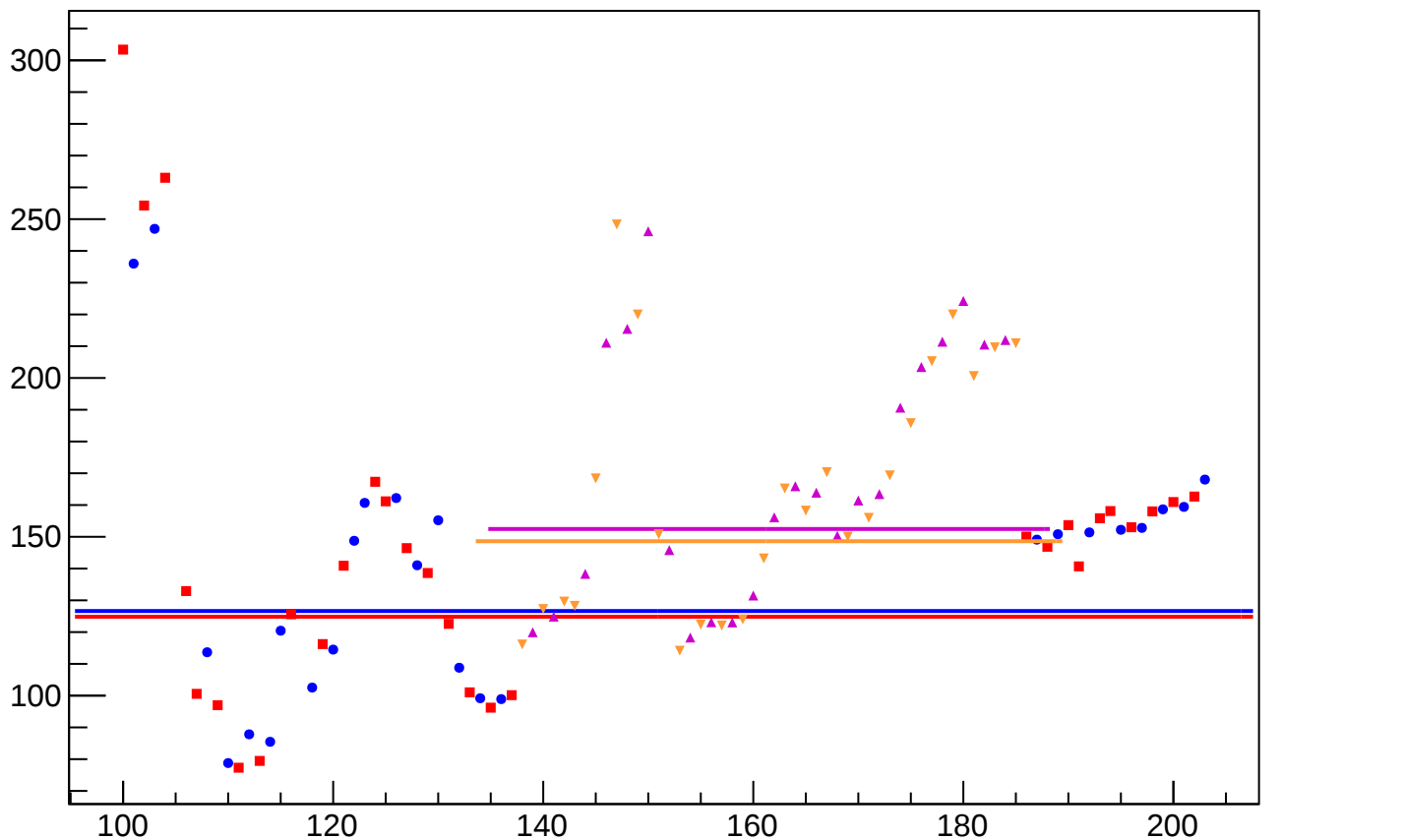
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 1021.196+/-26.102 χ^2/NDF : 163840.2/49

All: 1291.807+/-18.443 χ^2/NDF : 380873.6/100

- sign 1561.608+/-26.063 χ^2/NDF : 216818.7/51

asym_bpm0i01aWS_rms vs Slug



Right In: 126.632 ± 0.027 χ^2/NDF : 1714617.4/24

Left Out: 148.611 ± 0.025 χ^2/NDF : 1685424.1/24

Right Out: 124.850 ± 0.025 χ^2/NDF : 1995515.0/28

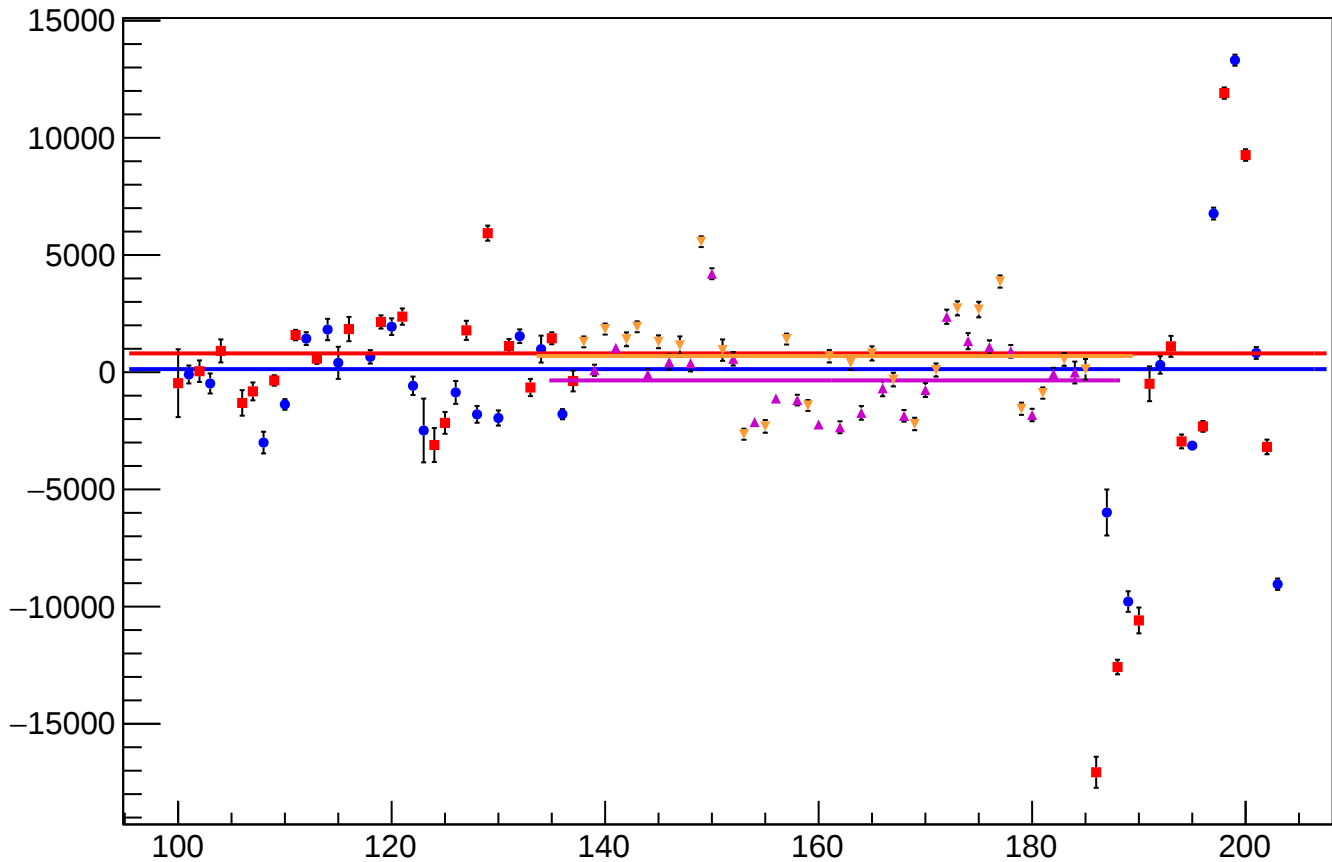
Left In: 152.463 ± 0.027 χ^2/NDF : 1691517.7/22

+ sign 138.340 ± 0.018 χ^2/NDF : 3753007.0/49

All: 138.116 ± 0.013 χ^2/NDF : 7999874.1/100

- sign 137.892 ± 0.018 χ^2/NDF : 4246571.5/51

asym_bpm0l01WS_mean vs Slug



Right In: 131.660 ± 64.080 $\chi^2/\text{NDF}: 6387.6/24$

Left Out: 692.998 ± 54.303 $\chi^2/\text{NDF}: 1422.0/24$

Right Out: 803.315 ± 61.695 $\chi^2/\text{NDF}: 7281.7/28$

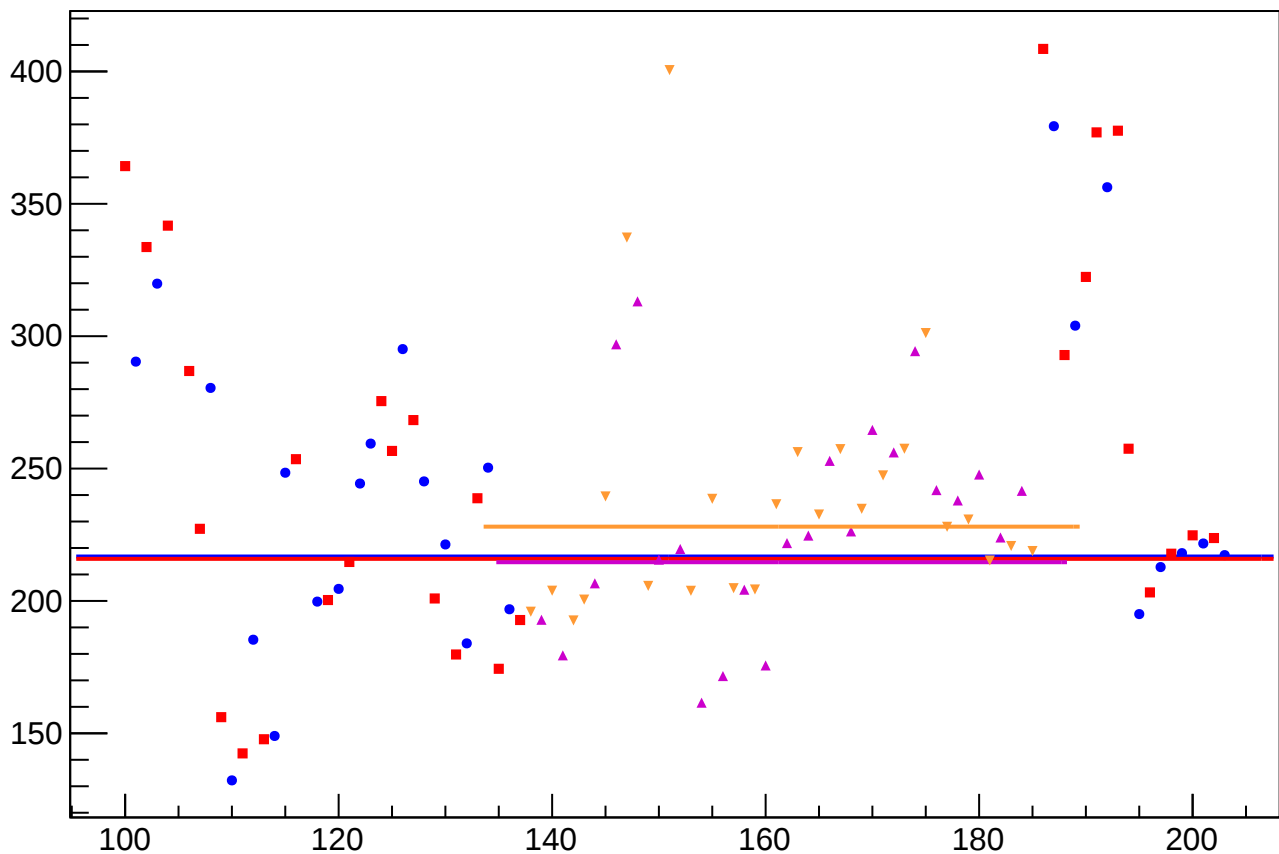
Left In: -349.623 ± 53.094 $\chi^2/\text{NDF}: 981.0/22$

+ sign 458.373 ± 41.428 $\chi^2/\text{NDF}: 7854.3/49$

All: 295.052 ± 28.866 $\chi^2/\text{NDF}: 16347.8/101$

- sign 140.942 ± 40.243 $\chi^2/\text{NDF}: 8463.3/51$

asym_bpm0l01WS_rms vs Slug



Right In: 216.780 $\pm$ 0.045 χ^2 /NDF: 1149776.3/24

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF: 826343.8/24

Right Out: 215.902 $\pm$ 0.044 χ^2 /NDF: 1818907.4/28

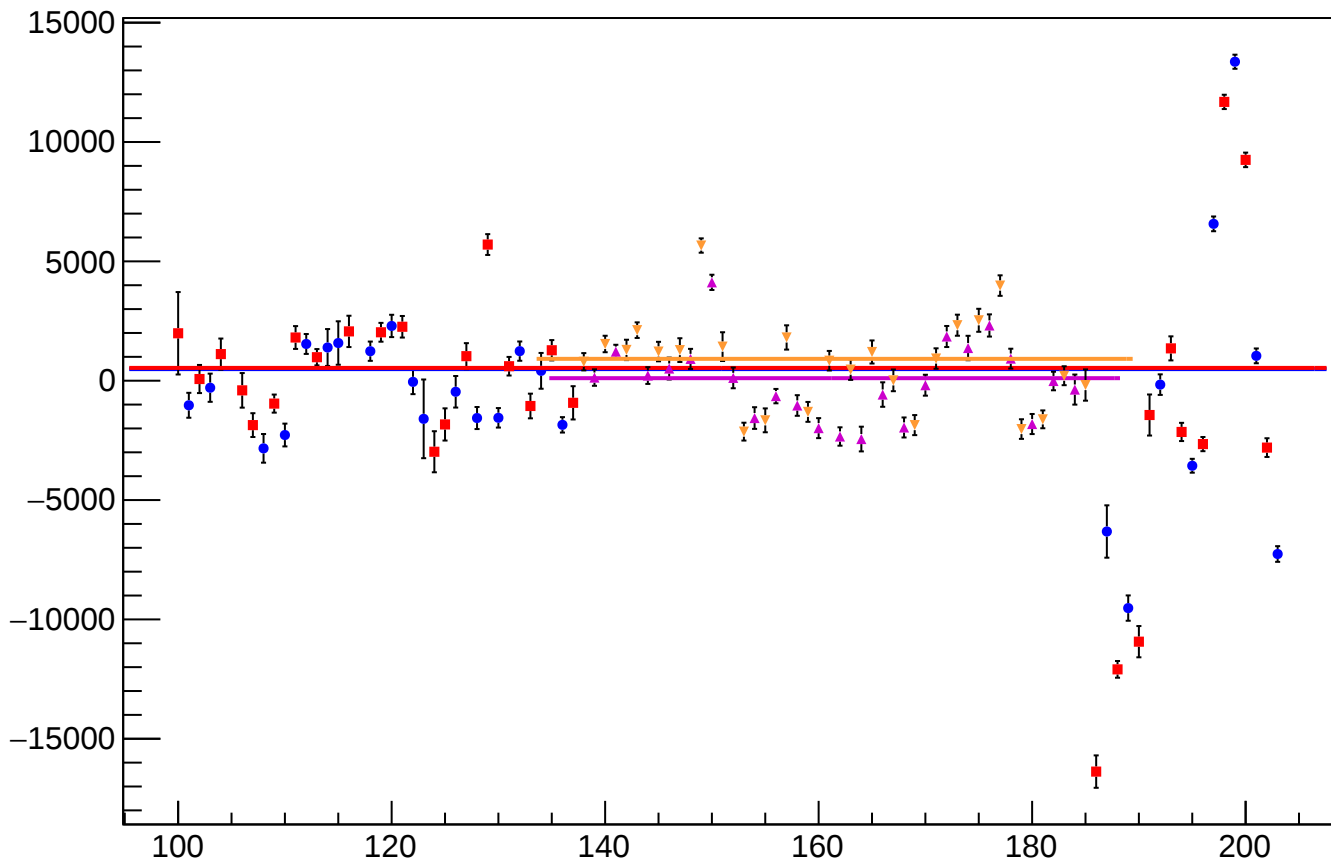
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF: 1025683.3/22

+ sign 223.346 $\pm$ 0.029 χ^2 /NDF: 2012197.8/49

All: 219.139 $\pm$ 0.020 χ^2 /NDF: 4897356.8/103

- sign 215.170 $\pm$ 0.028 χ^2 /NDF: 2845081.7/51

asym_bpm0l02WS_mean vs Slug



Right In: 486.133 ± 87.408 $\chi^2/\text{NDF}: 3640.6/24$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: 536.487 ± 84.606 $\chi^2/\text{NDF}: 4945.4/28$

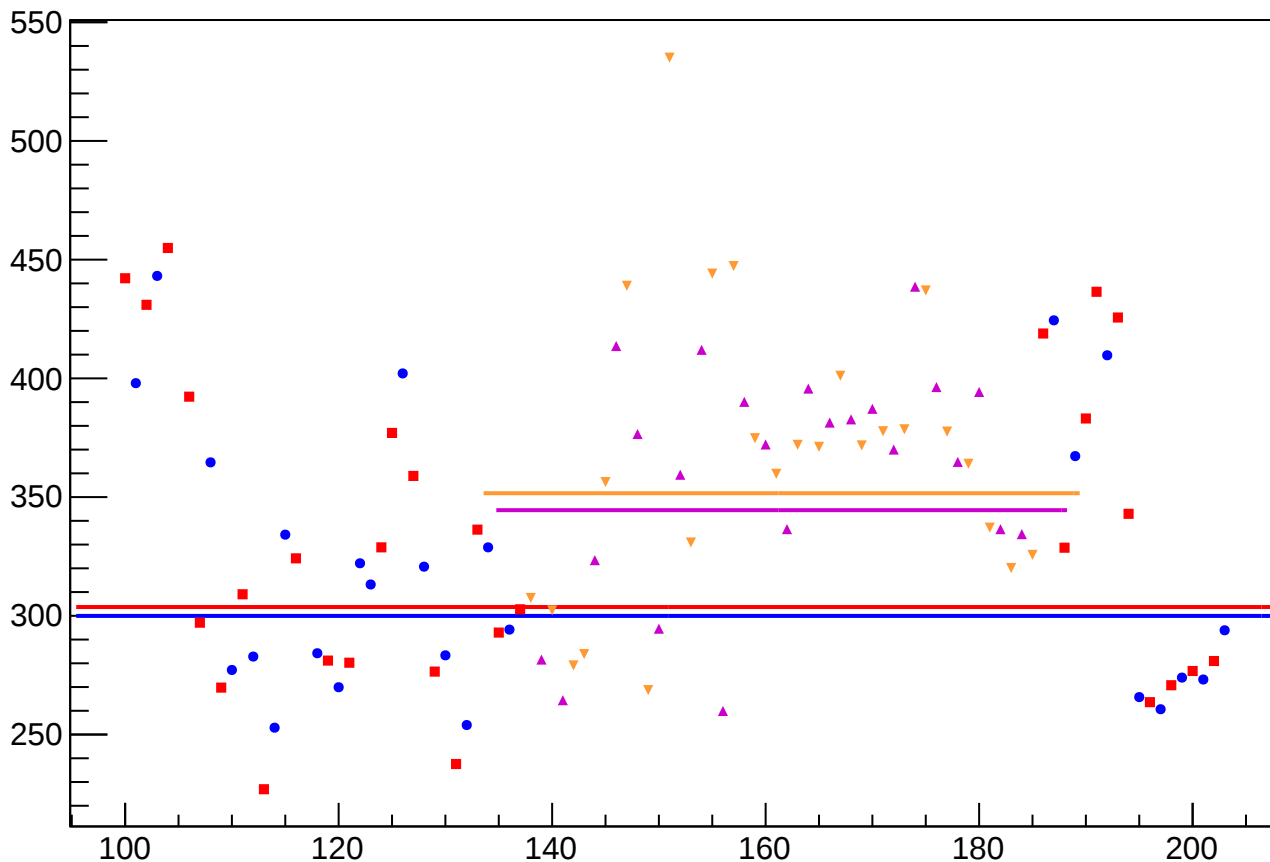
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 711.135 ± 60.339 $\chi^2/\text{NDF}: 4271.5/49$

All: 514.032 ± 42.456 $\chi^2/\text{NDF}: 9641.3/101$

- sign 320.758 ± 59.750 $\chi^2/\text{NDF}: 5348.6/51$

asym_bpm0l02WS_rms vs Slug



Right In: 299.956 ± 0.062 χ^2/NDF : 608220.1/24

Left Out: 351.633 ± 0.059 χ^2/NDF : 907849.3/24

Right Out: 303.703 ± 0.060 χ^2/NDF : 862153.1/28

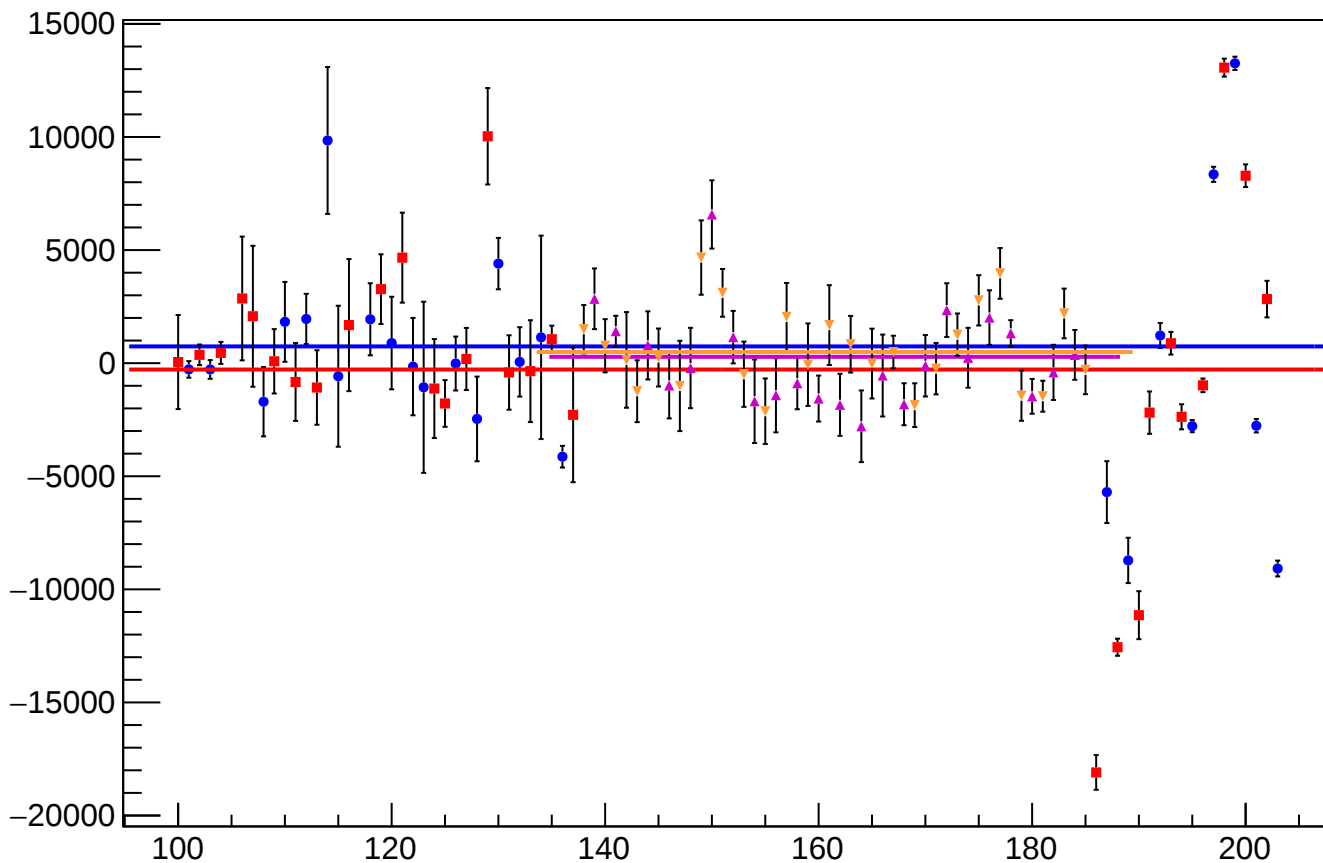
Left In: 344.491 ± 0.060 χ^2/NDF : 768885.4/22

+ sign 327.007 ± 0.043 χ^2/NDF : 1882001.8/49

All: 325.564 ± 0.030 χ^2/NDF : 3748300.2/102

- sign 324.149 ± 0.042 χ^2/NDF : 1864032.0/51

asym_bpm0l03WS_mean vs Slug



Right In: 740.887 ± 110.946 $\chi^2/\text{NDF}: 3683.5/24$

Left Out: 495.014 ± 231.058 $\chi^2/\text{NDF}: 56.2/24$

Right Out: -280.829 ± 131.621 $\chi^2/\text{NDF}: 3217.8/28$

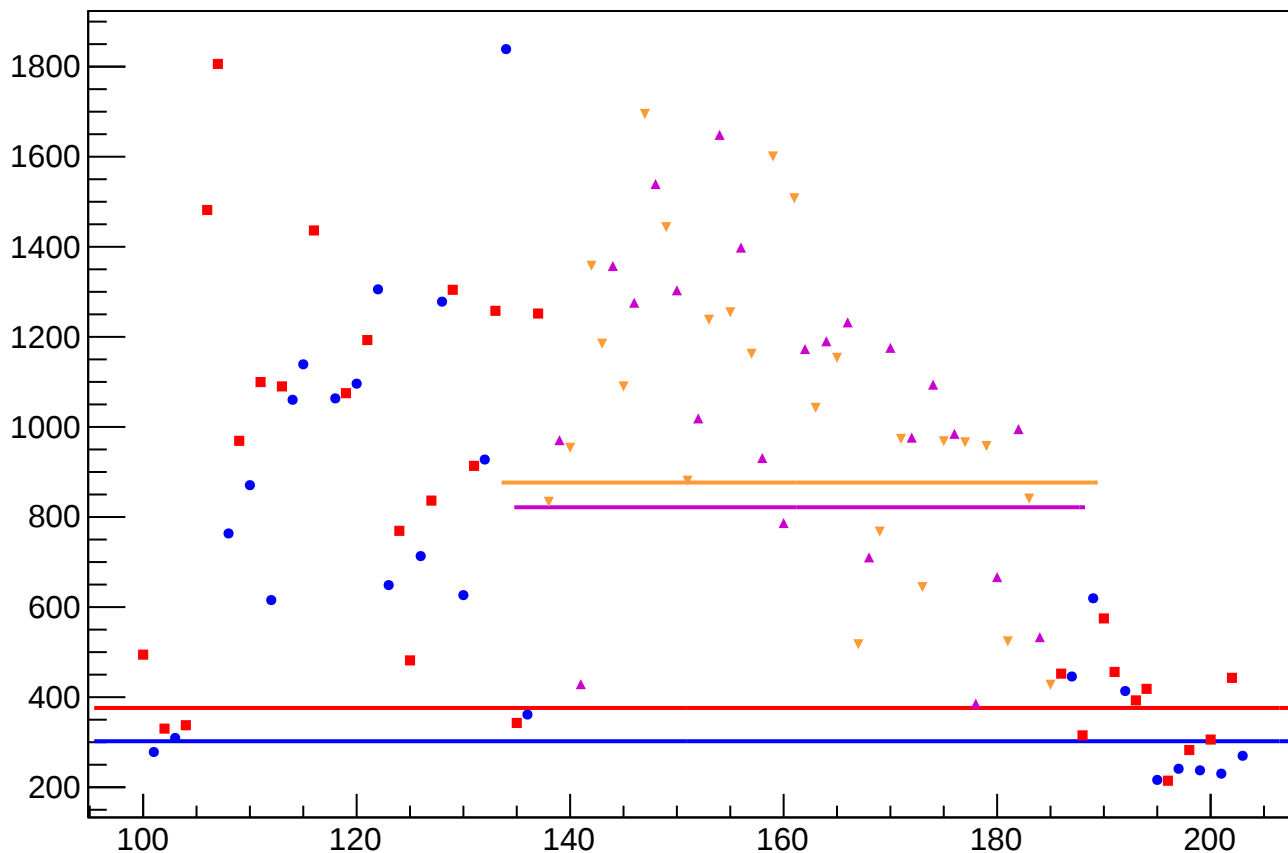
Left In: 280.692 ± 232.048 $\chi^2/\text{NDF}: 57.2/22$

+ sign 694.820 ± 100.014 $\chi^2/\text{NDF}: 3740.6/49$

All: 331.685 ± 75.321 $\chi^2/\text{NDF}: 7050.5/101$

- sign -144.145 ± 114.486 $\chi^2/\text{NDF}: 3279.4/51$

asym_bpm0l03WS_rms vs Slug



Right In: 302.196+/-0.078 χ^2/NDF : 4367778.6/24

Left Out: 876.560+/-0.163 χ^2/NDF :3434698.7/24

Right Out: 376.063+/-0.093 χ^2/NDF : 5173275.6/28

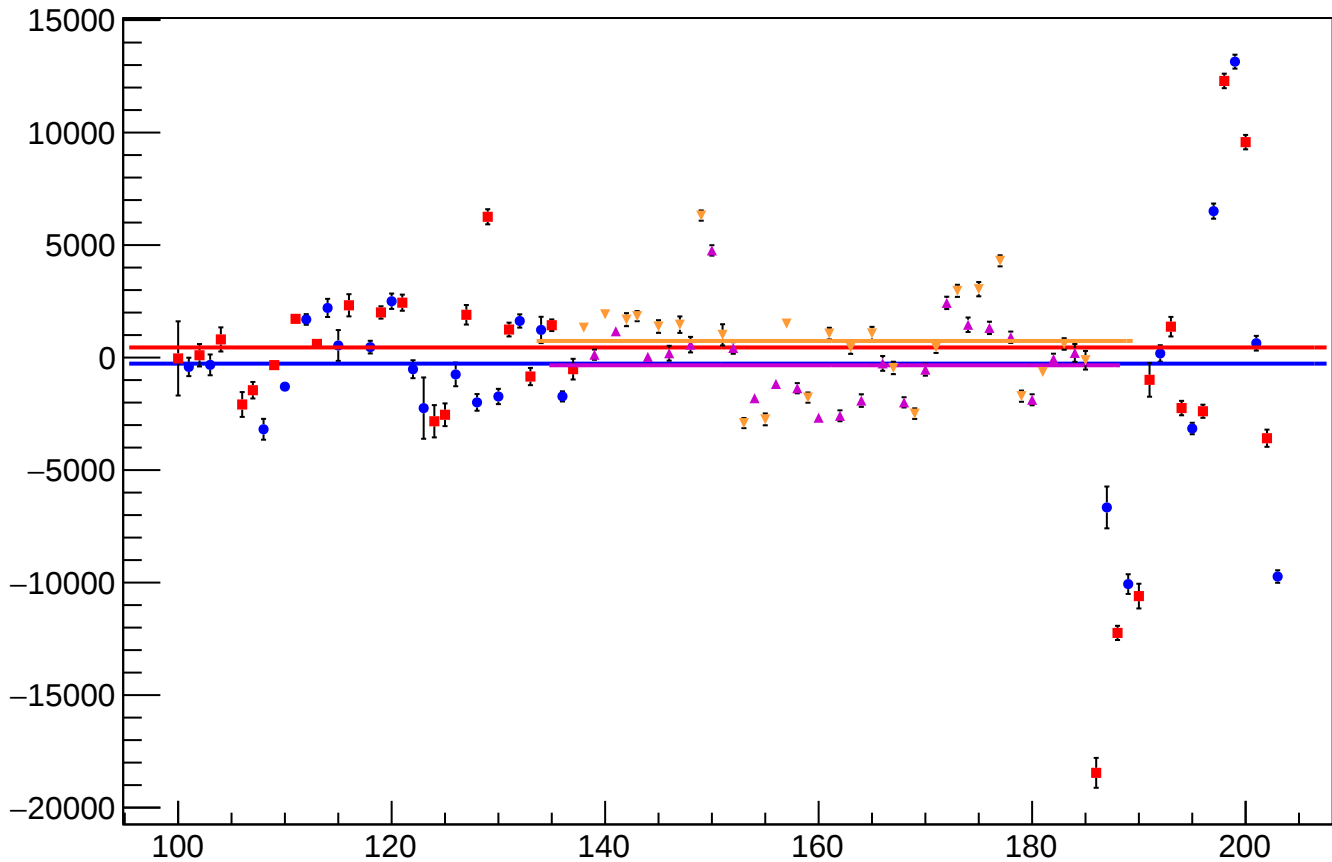
Left In: 821.657+/-0.164 χ^2/NDF :4443094.2/22

+ sign 409.809+/-0.071 χ^2/NDF : 17845409.9/49

All: 442.150+/-0.053 χ^2/NDF : 33524664.8/10

- sign 484.528+/-0.081 χ^2/NDF : 15196084.0/51

asym_bpm0l04WS_mean vs Slug



Right In: -269.096 ± 67.814 $\chi^2/\text{NDF}: 4490.4/24$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: 450.306 ± 63.553 $\chi^2/\text{NDF}: 5856.7/28$

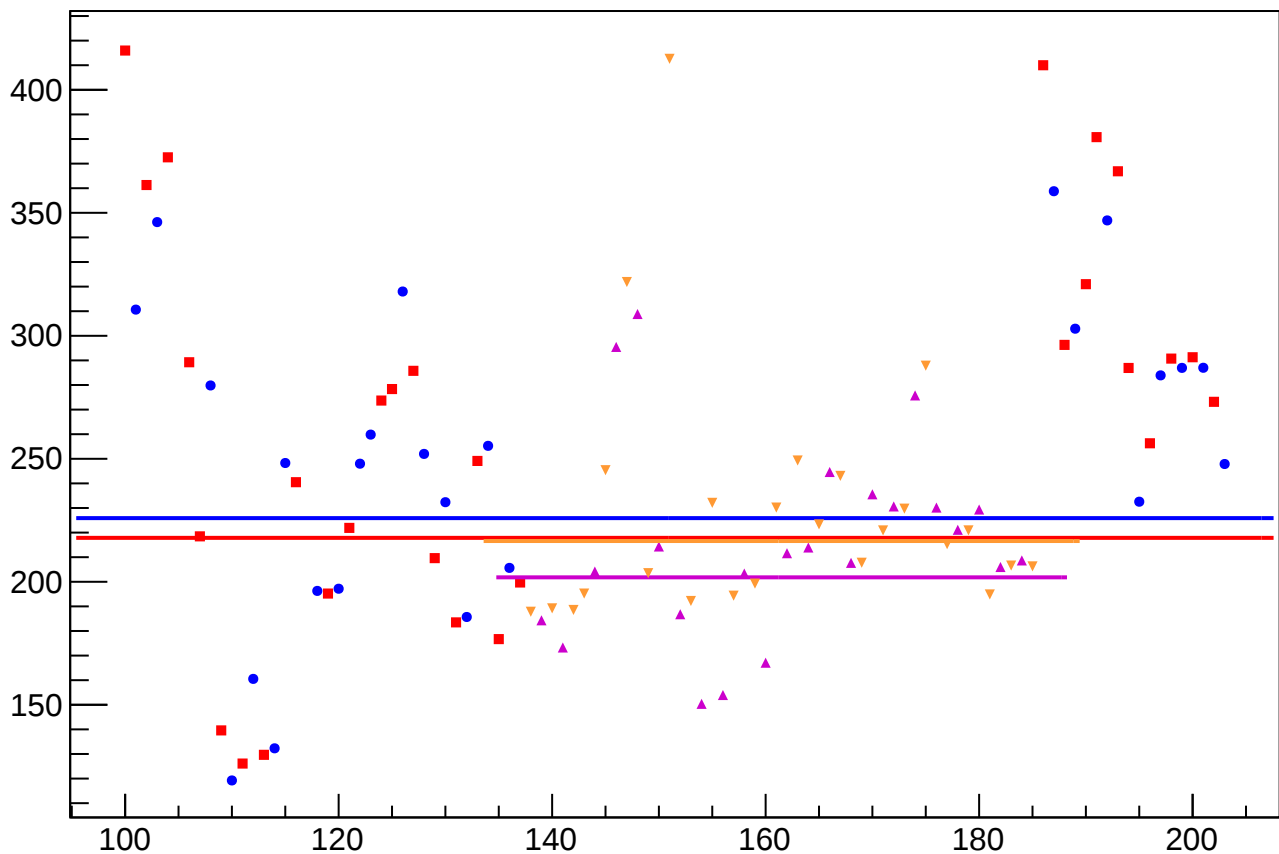
Left In: -342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

+ sign 368.812 ± 41.089 $\chi^2/\text{NDF}: 6565.4/49$

All: 155.908 ± 28.407 $\chi^2/\text{NDF}: 13824.4/101$

- sign -39.039 ± 39.318 $\chi^2/\text{NDF}: 7207.6/51$

asym_bpm0l04WS_rms vs Slug



Right In: 225.884 $\pm$ 0.048 χ^2 /NDF: 1769169.1/24

Left Out: 216.574 $\pm$ 0.037 χ^2 /NDF:886214.1/24

Right Out: 217.862 $\pm$ 0.045 χ^2 /NDF: 2803322.9/28

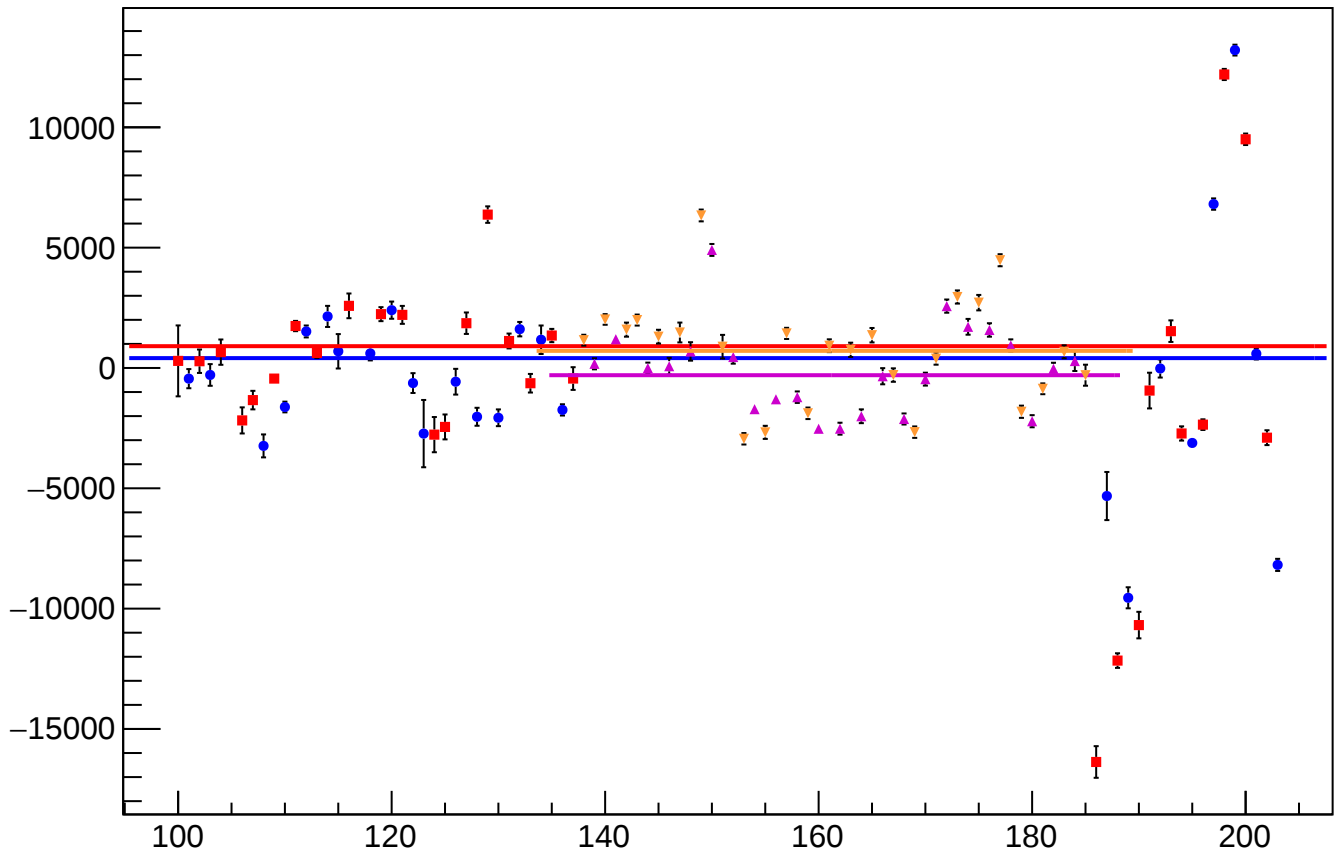
Left In: 201.805 $\pm$ 0.035 χ^2 /NDF:1087243.4/22

+ sign 219.992 $\pm$ 0.029 χ^2 /NDF: 2679239.7/49

All: 213.706 $\pm$ 0.020 χ^2 /NDF: 6738266.6/103

- sign 207.951 $\pm$ 0.028 χ^2 /NDF: 3969366.2/51

asym_bpm0l05WS_mean vs Slug



Right In: 409.488 $\pm$ 64.111 χ^2 /NDF: 6380.9/24

Left Out: 711.174 $\pm$ 53.245 χ^2 /NDF:1835.3/24

Right Out: 905.670 $\pm$ 61.488 χ^2 /NDF: 7713.3/28

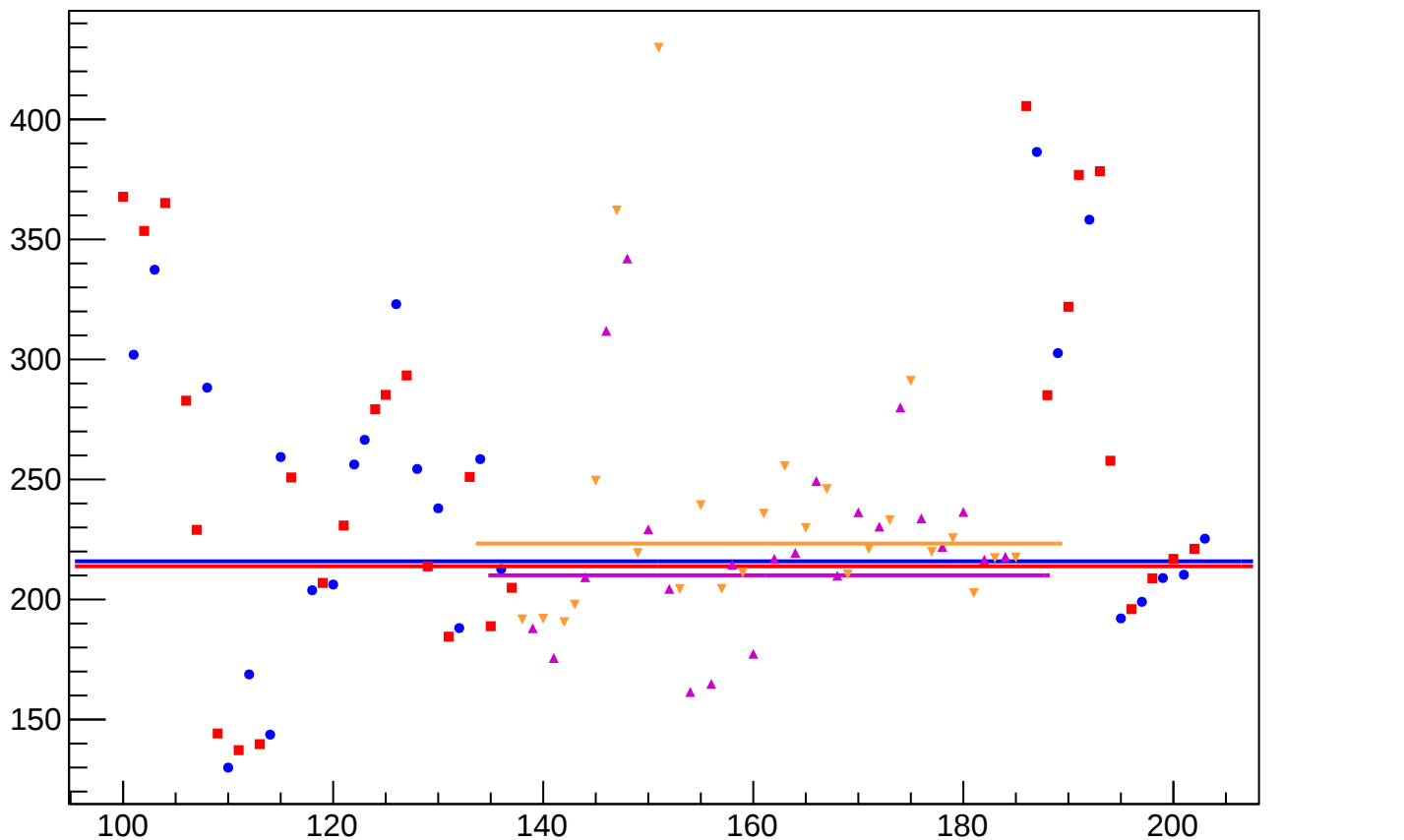
Left In: -300.516 $\pm$ 51.984 χ^2 /NDF:1208.6/22

+ sign 588.026 $\pm$ 40.961 χ^2 /NDF: 8229.4/49

All: 389.102 $\pm$ 28.507 χ^2 /NDF: 17421.4/101

- sign 202.254 $\pm$ 39.698 χ^2 /NDF: 9146.3/51

asym_bpm0l05WS_rms vs Slug



Right In: 215.905 ± 0.045 χ^2/NDF : 1344073.0/24

Left Out: 223.296 ± 0.038 χ^2/NDF : 922768.4/24

Right Out: 213.824 ± 0.043 χ^2/NDF : 2085794.2/28

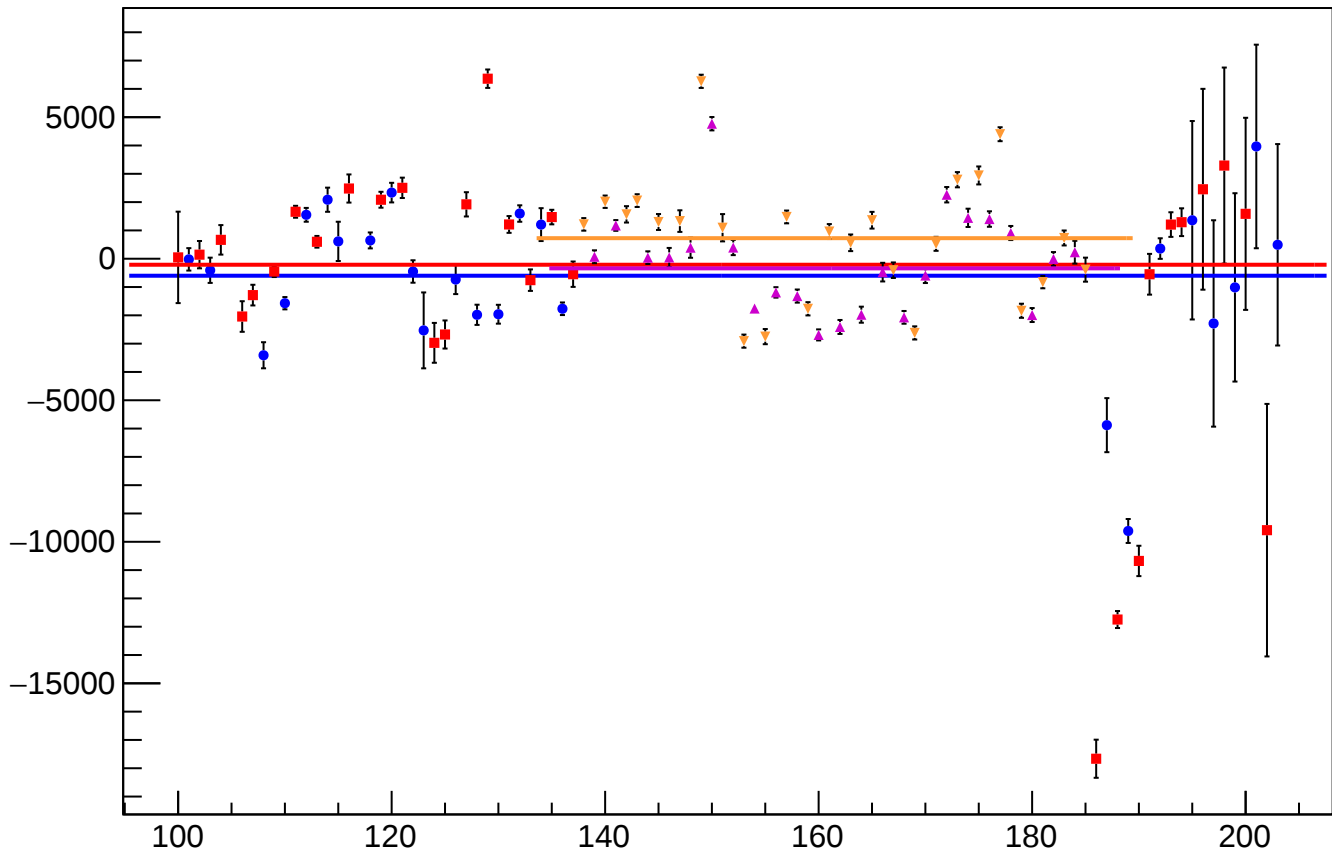
Left In: 210.080 ± 0.037 χ^2/NDF : 1015274.5/22

+ sign 220.279 ± 0.029 χ^2/NDF : 2282575.2/49

All: 215.825 ± 0.020 χ^2/NDF : 5433838.1/103

- sign 211.641 ± 0.028 χ^2/NDF : 3105393.6/51

asym_bpm0l06WS_mean vs Slug



Right In: -600.683 ± 79.099 χ^2/NDF : 893.8/24

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -212.552 ± 70.008 χ^2/NDF : 3637.9/28

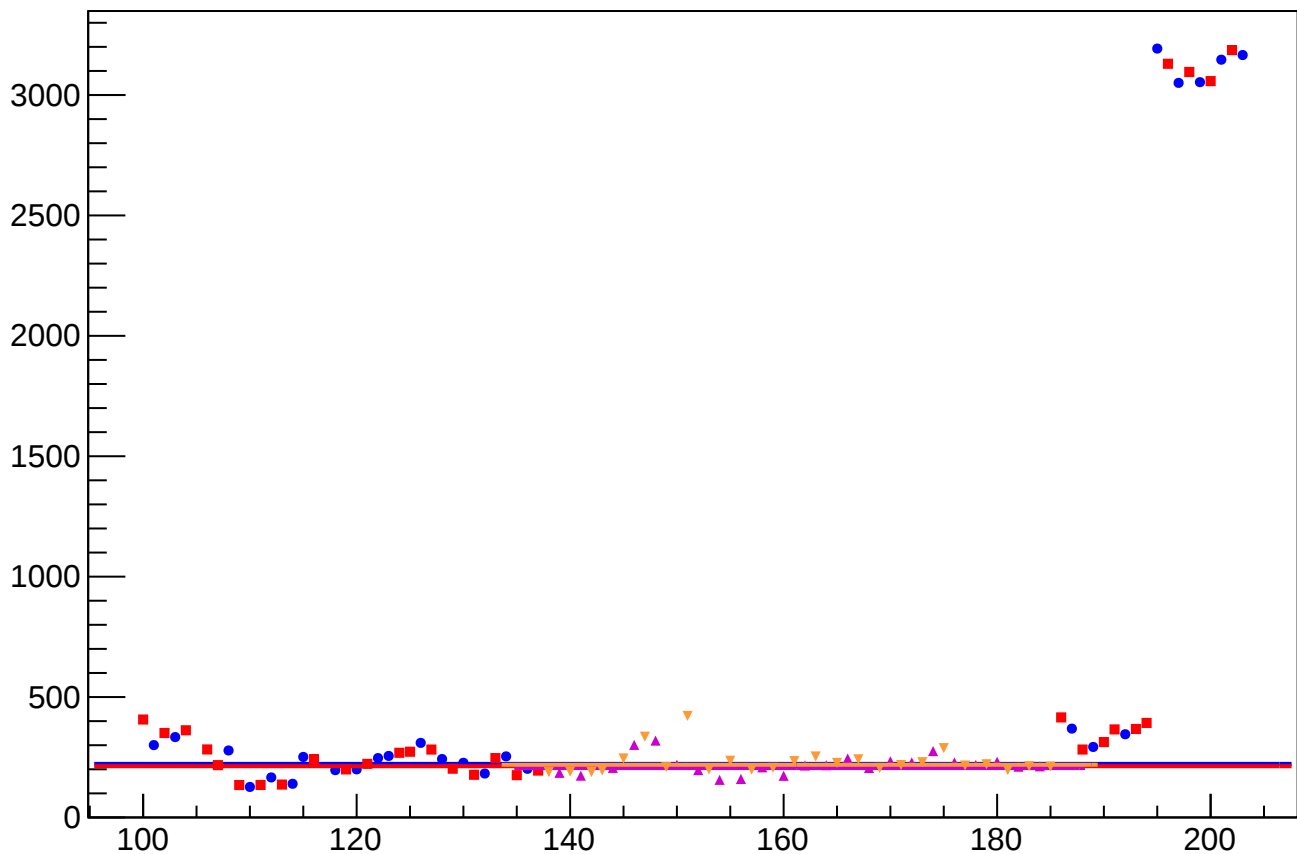
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 323.861 ± 43.544 χ^2/NDF : 3002.6/49

All: -4.015 ± 29.895 χ^2/NDF : 7951.8/101

- sign -296.367 ± 41.117 χ^2/NDF : 4841.9/51

asym_bpm0l06WS_rms vs Slug



Right In: 222.493 $\pm$ 0.056 χ^2 /NDF: 8074244.2/24

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF:896914.5/24

Right Out: 212.830 $\pm$ 0.050 χ^2 /NDF: 7460283.4/28

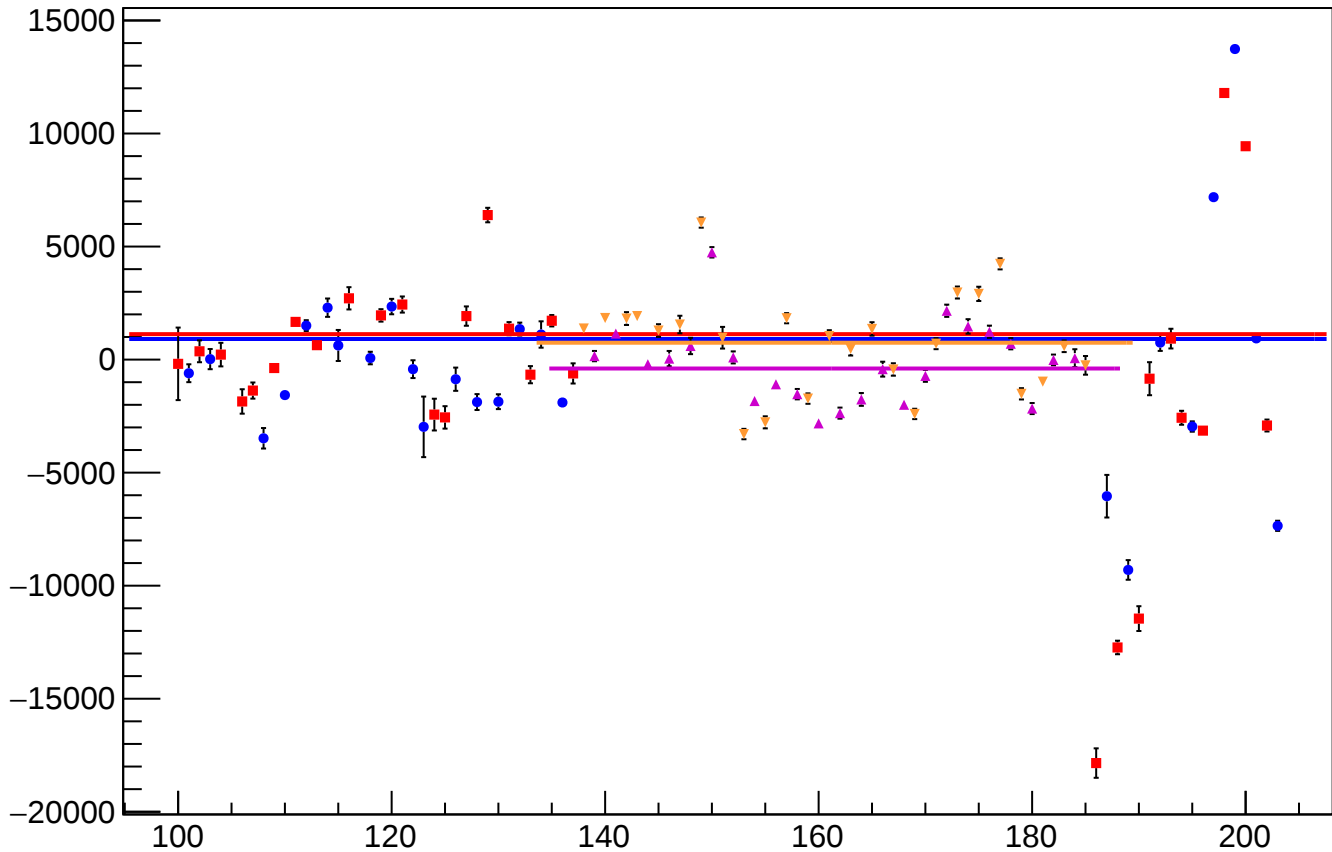
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF:997168.8/22

+ sign 219.897 $\pm$ 0.031 χ^2 /NDF: 8974249.9/49

All: 213.536 $\pm$ 0.021 χ^2 /NDF: 17527807.5/10

- sign 207.864 $\pm$ 0.029 χ^2 /NDF: 8472813.4/51

asym_bpm0l07WS_mean vs Slug



Right In: 911.272 ± 60.180 $\chi^2/\text{NDF}: 8219.5/24$

Left Out: 746.405 ± 51.592 $\chi^2/\text{NDF}: 1942.1/24$

Right Out: 1125.621 ± 57.663 $\chi^2/\text{NDF}: 9272.1/28$

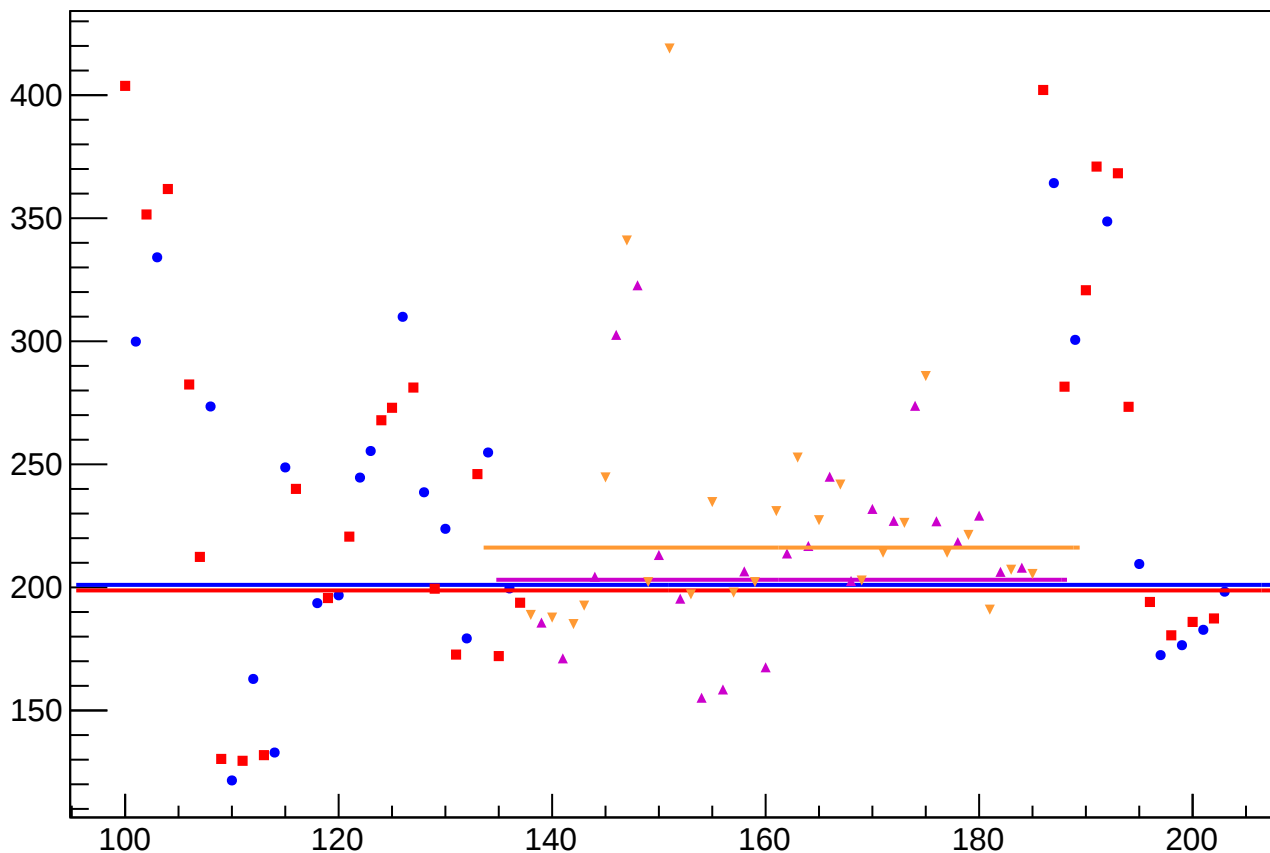
Left In: -394.379 ± 50.311 $\chi^2/\text{NDF}: 1236.4/22$

+ sign 816.245 ± 39.168 $\chi^2/\text{NDF}: 10165.9/49$

All: 530.386 ± 27.240 $\chi^2/\text{NDF}: 21172.0/101$

- sign 262.599 ± 37.910 $\chi^2/\text{NDF}: 10903.0/51$

asym_bpm0l07WS_rms vs Slug



Right In: 201.029+/-0.043 χ^2/NDF : 1518641.5/24

Left Out: 216.178+/-0.036 χ^2/NDF : 946050.8/24

Right Out: 198.768+/-0.041 χ^2/NDF : 2436569.2/28

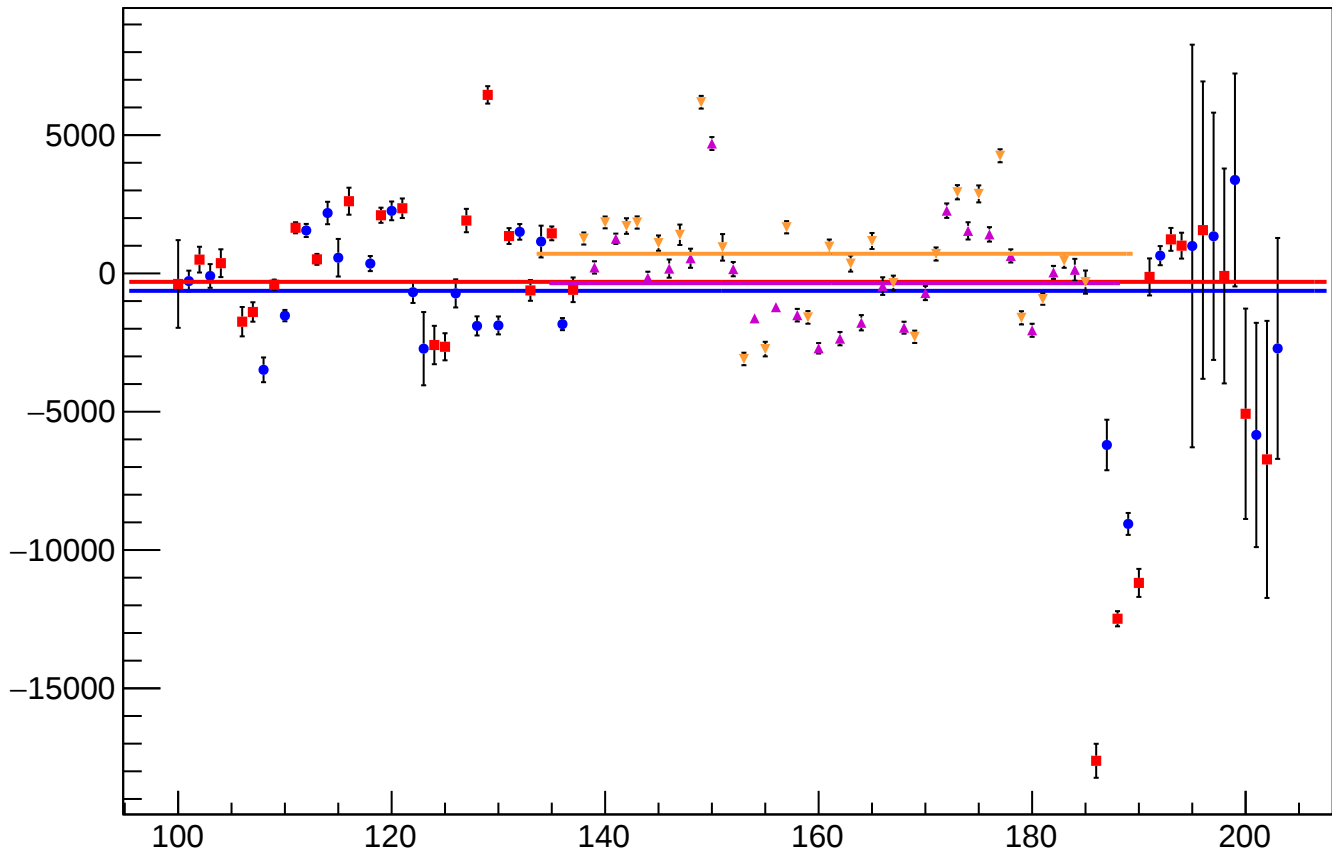
Left In: 203.101+/-0.036 χ^2/NDF : 1038013.0/22

+ sign 209.761+/-0.028 χ^2/NDF : 2537740.7/49

All: 205.355+/-0.019 χ^2/NDF : 6067737.0/103

- sign 201.228+/-0.027 χ^2/NDF : 3480993.3/51

asym_bpm0l08WS_mean vs Slug



Right In: -630.177 ± 76.462 χ^2/NDF : 917.9/24

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -305.048 ± 67.141 χ^2/NDF : 4164.5/28

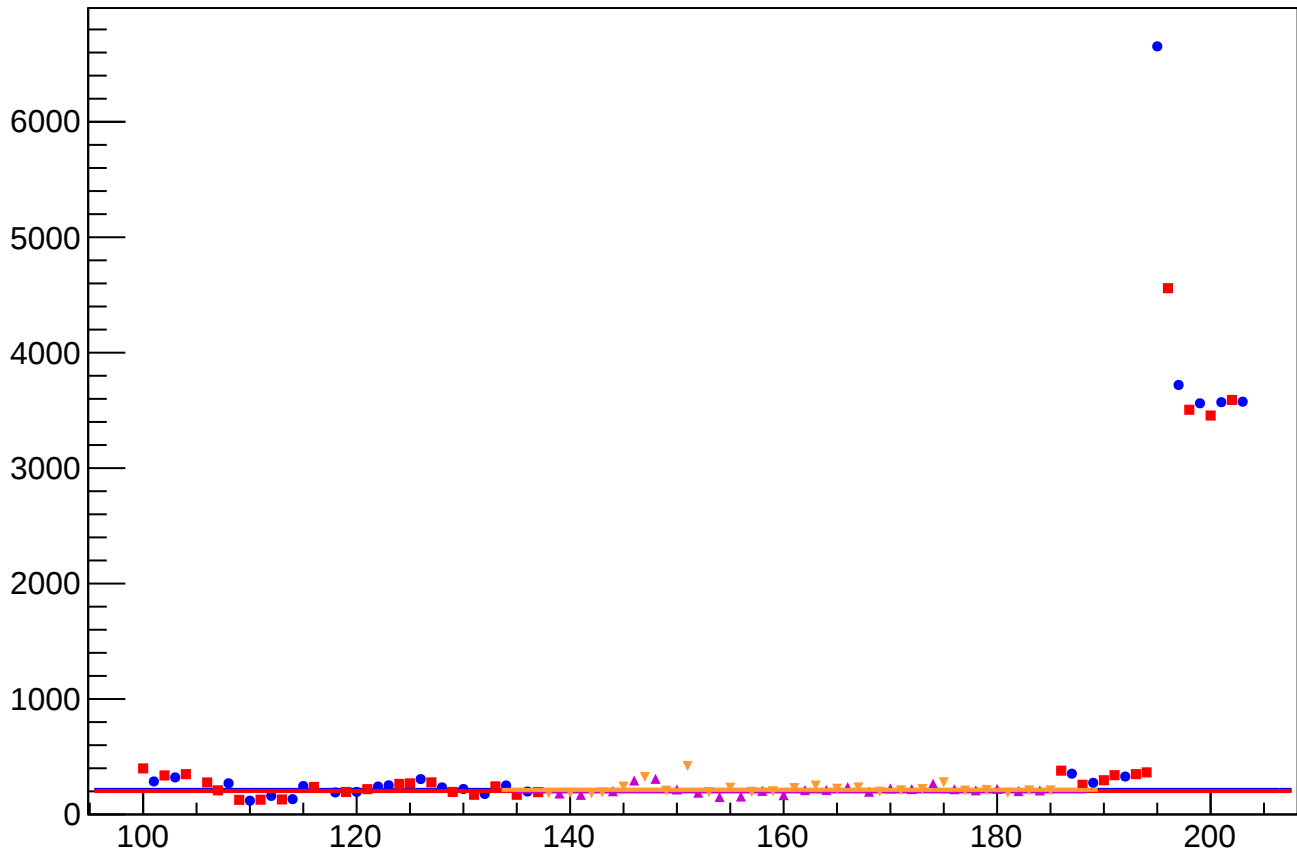
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 300.312 ± 42.284 χ^2/NDF : 3063.5/49

All: -37.418 ± 28.960 χ^2/NDF : 8581.6/101

- sign -335.827 ± 39.746 χ^2/NDF : 5397.9/51

asym_bpm0l08WS_rms vs Slug



Right In: 213.085 $\pm$ 0.054 χ^2 /NDF: 8407990.0/24

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 202.776 $\pm$ 0.047 χ^2 /NDF: 7551471.7/28

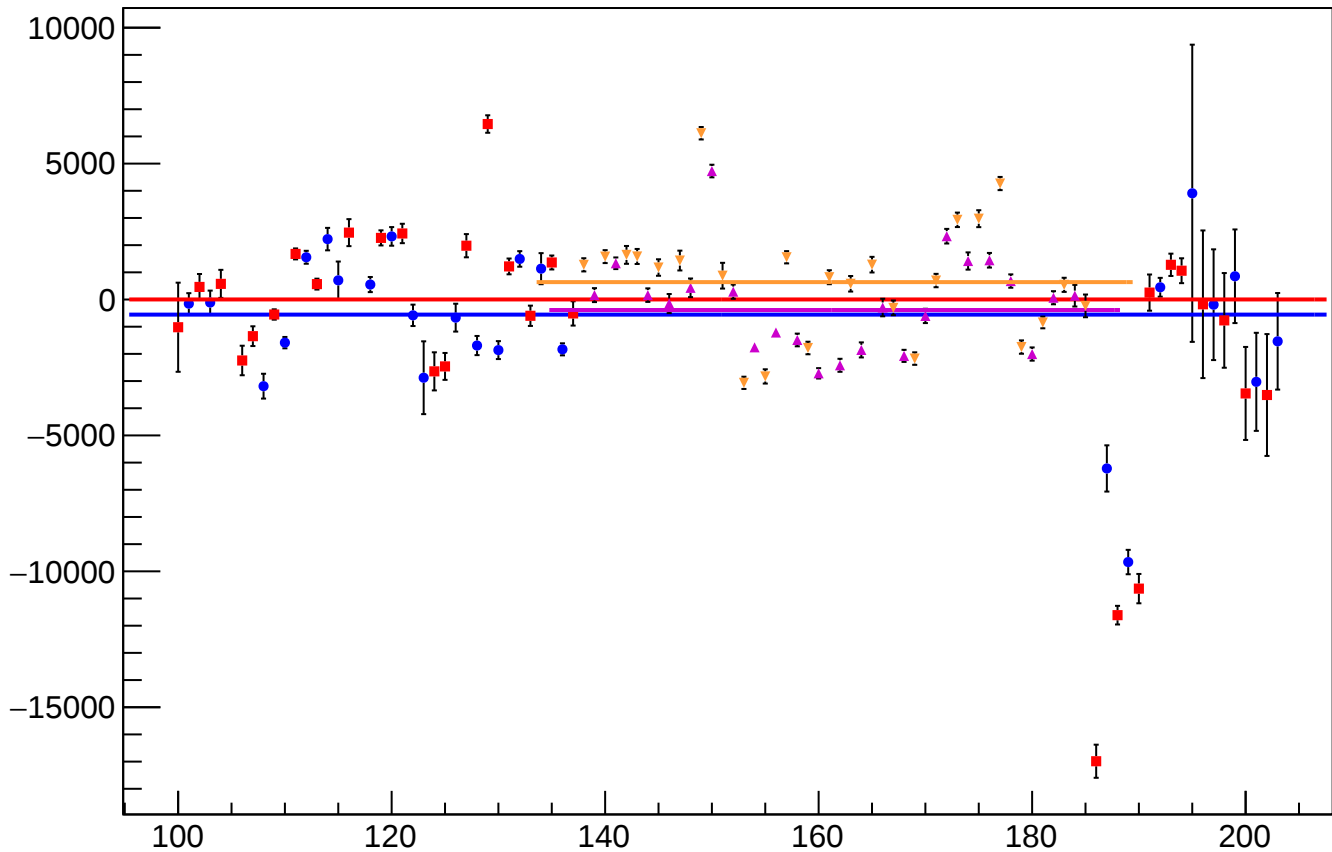
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 212.830 $\pm$ 0.030 χ^2 /NDF: 9324247.8/49

All: 206.239 $\pm$ 0.020 χ^2 /NDF: 17956993.7/10

- sign 200.415 $\pm$ 0.028 χ^2 /NDF: 8541208.9/51

asym_bpm0l09WS_mean vs Slug



Right In: -555.541 ± 77.584 χ^2/NDF : 862.5/24

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: 2.376 ± 68.942 χ^2/NDF : 3102.7/28

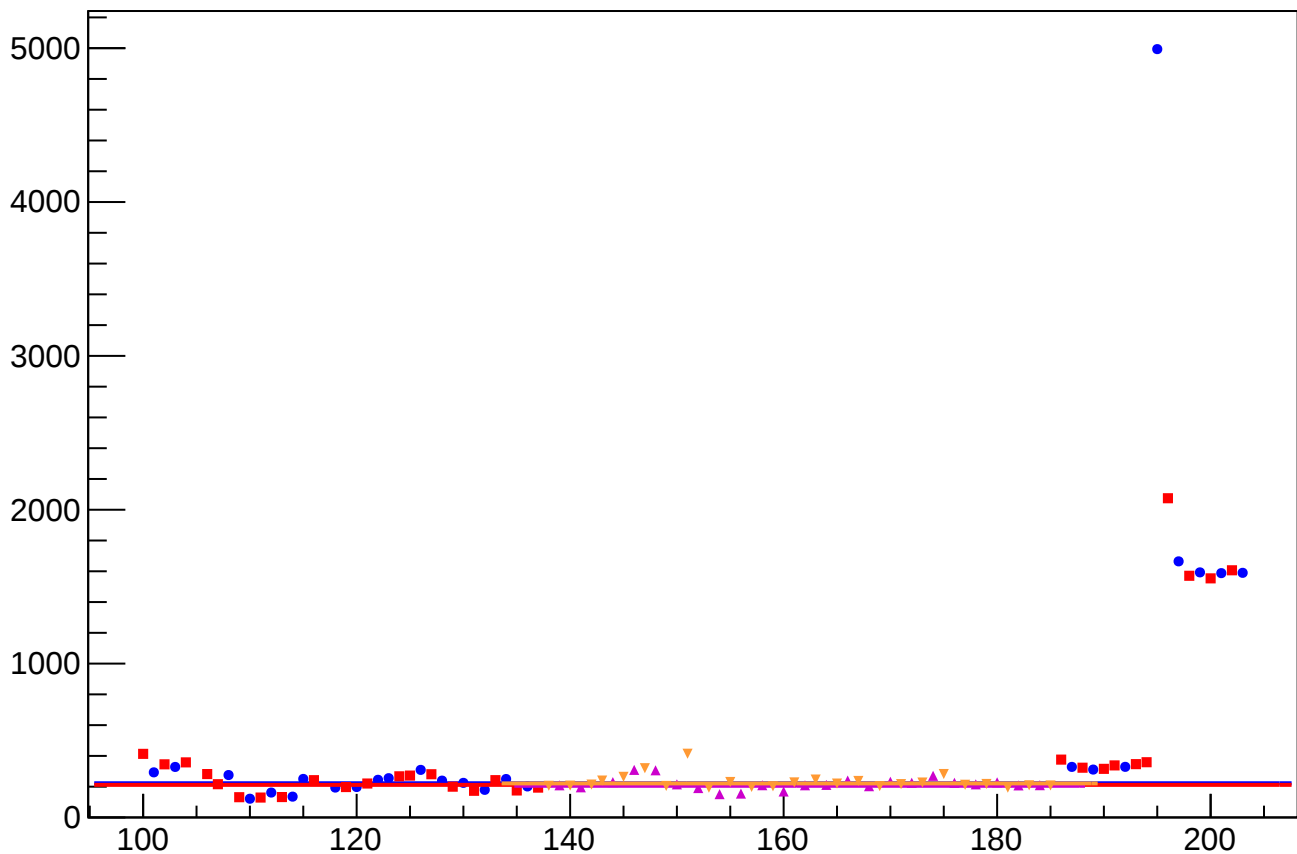
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 262.452 ± 43.599 χ^2/NDF : 2884.2/49

All: -8.890 ± 29.867 χ^2/NDF : 7318.5/101

- sign -248.819 ± 40.997 χ^2/NDF : 4361.2/51

asym_bpm0l09WS_rms vs Slug



Right In: 222.239+/-0.055 χ^2/NDF : 7485918.9/24

Left Out: 221.398+/-0.037 χ^2/NDF : 777833.8/24

Right Out: 211.859+/-0.049 χ^2/NDF : 6675493.8/28

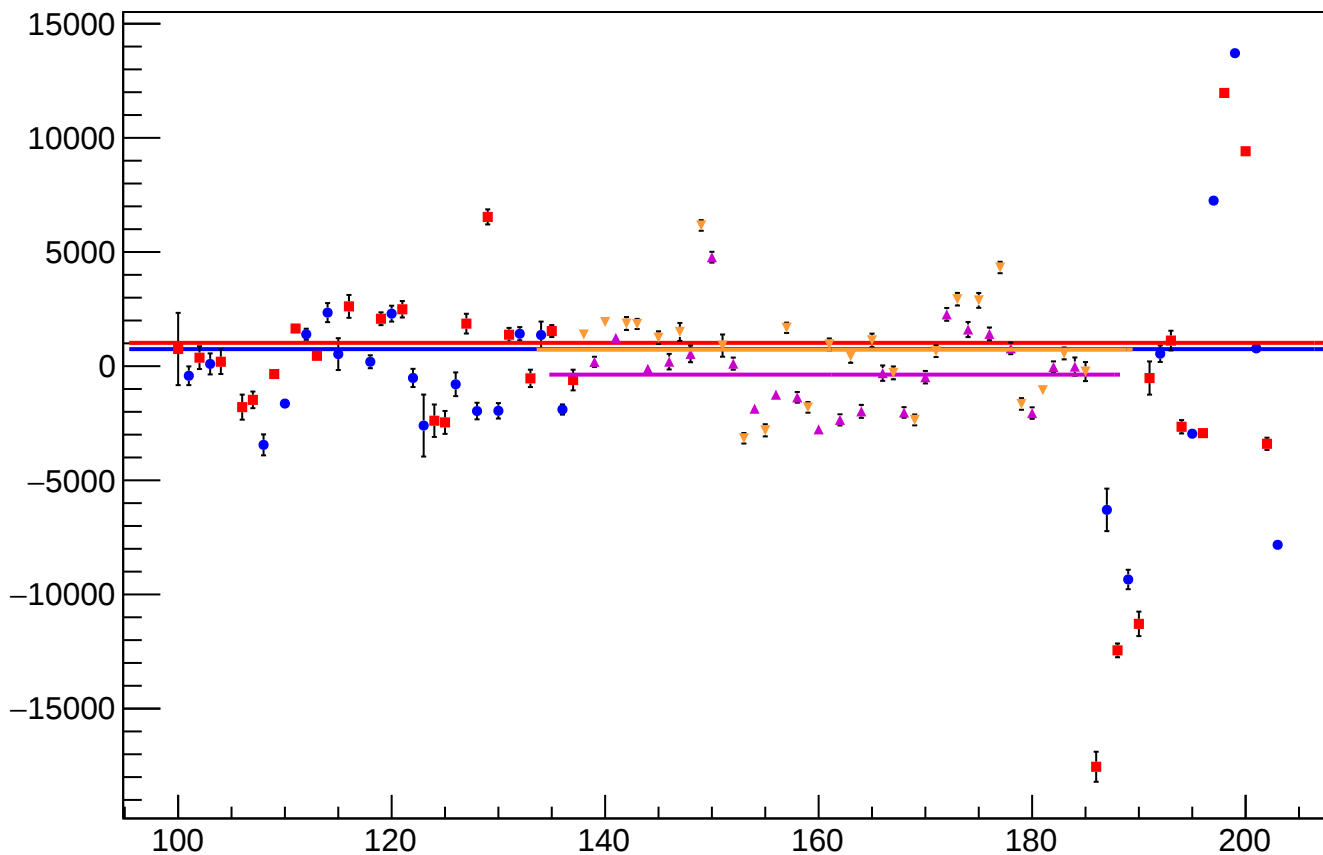
Left In: 205.803+/-0.036 χ^2/NDF : 994903.5/22

+ sign 221.664+/-0.031 χ^2/NDF : 8263913.4/49

All: 214.383+/-0.021 χ^2/NDF : 16049379.4/10

- sign 207.945+/-0.029 χ^2/NDF : 7680370.5/51

asym_bpm0l10WS_mean vs Slug



Right In: 745.901 ± 60.862 $\chi^2/\text{NDF}: 8232.8/24$

Left Out: 725.250 ± 52.307 $\chi^2/\text{NDF}: 1883.1/24$

Right Out: 1021.357 ± 58.666 $\chi^2/\text{NDF}: 8955.8/28$

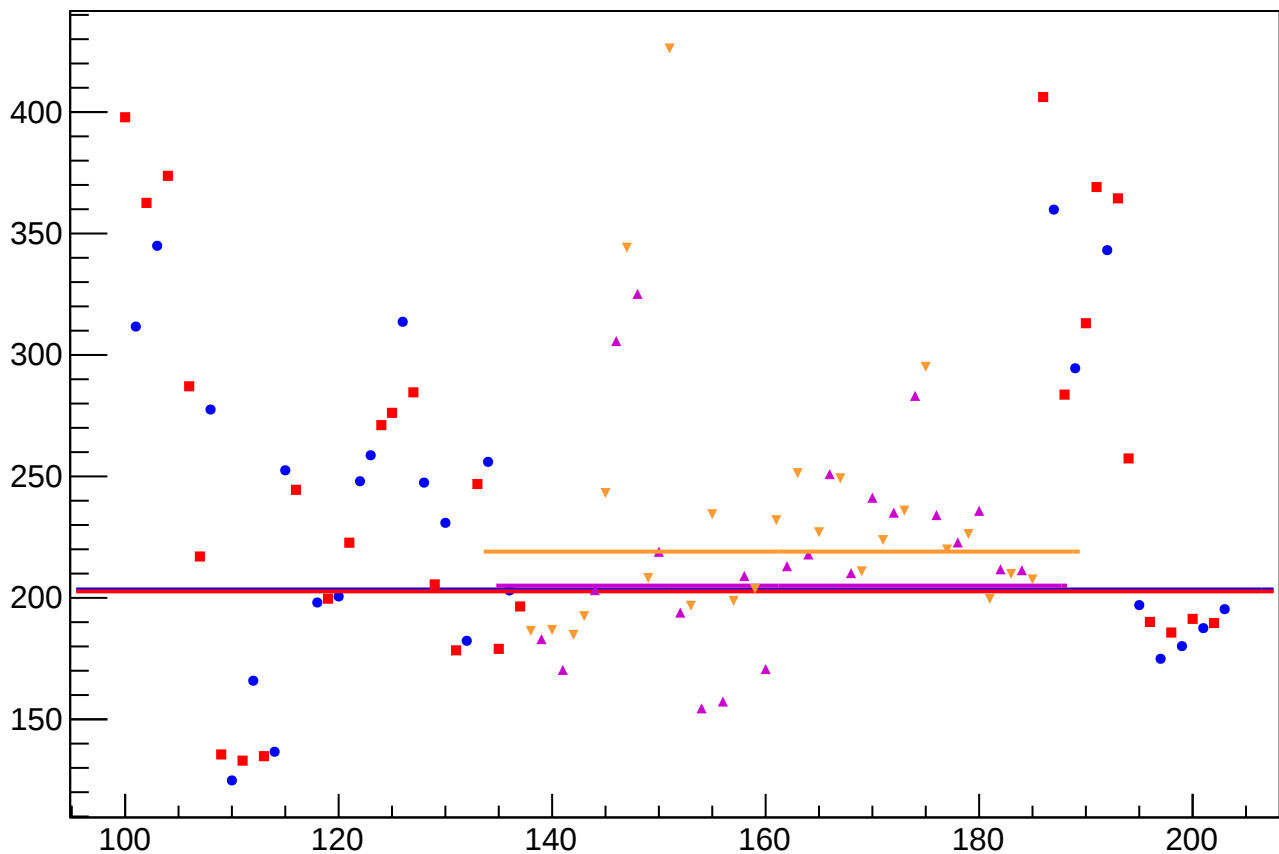
Left In: -370.408 ± 50.884 $\chi^2/\text{NDF}: 1223.2/22$

+ sign 734.023 ± 39.669 $\chi^2/\text{NDF}: 10116.0/49$

All: 472.590 ± 27.605 $\chi^2/\text{NDF}: 20700.3/101$

- sign 227.115 ± 38.440 $\chi^2/\text{NDF}: 10500.2/51$

asym_bpm0l10WS_rms vs Slug



Right In: 203.451+/-0.043 χ^2/NDF : 1472253.1/24

Left Out: 219.049+/-0.037 χ^2/NDF : 975564.4/24

Right Out: 202.687+/-0.041 χ^2/NDF : 2286963.9/28

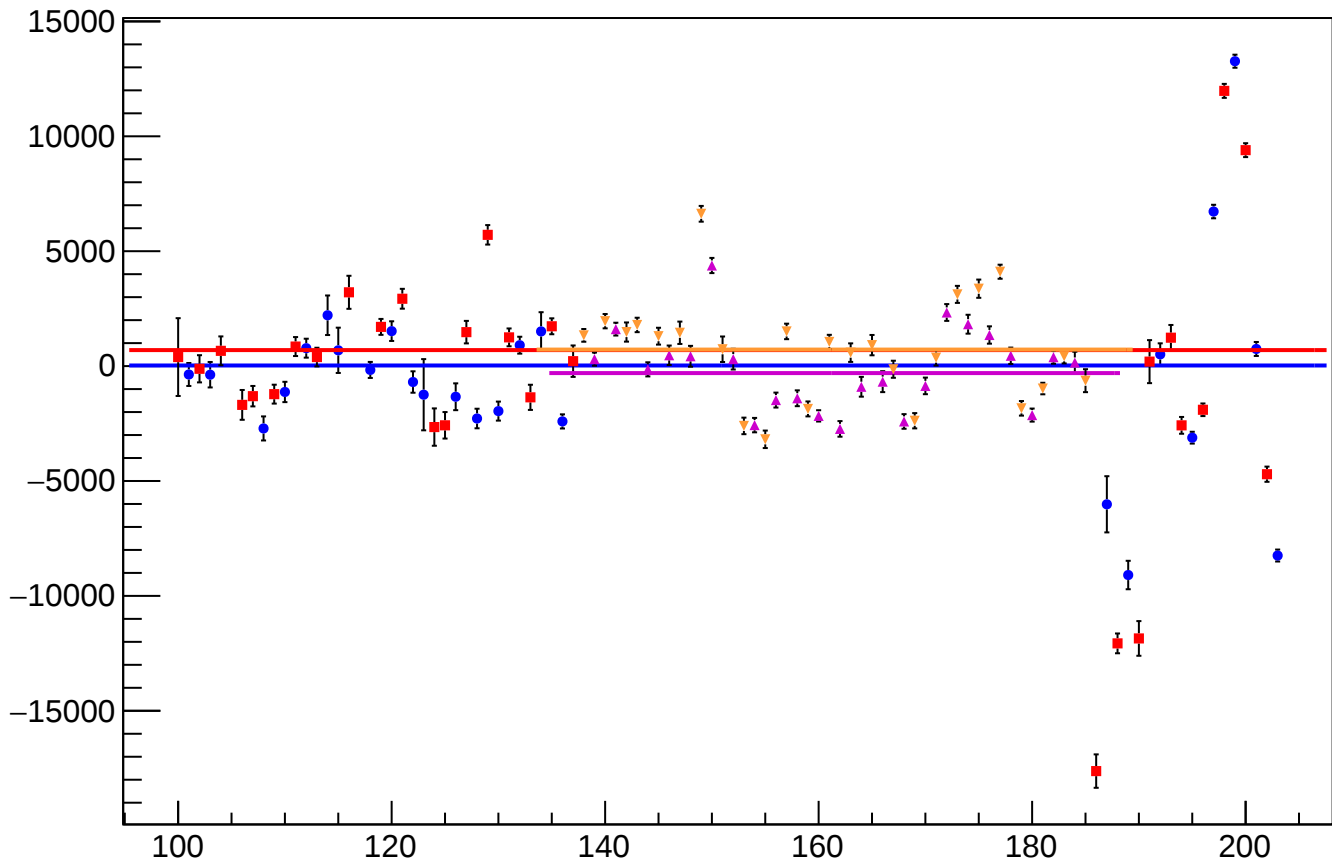
Left In: 205.046+/-0.036 χ^2/NDF : 1144197.1/22

+ sign 212.422+/-0.028 χ^2/NDF : 2523373.2/49

All: 208.096+/-0.020 χ^2/NDF : 6002505.6/103

- sign 204.033+/-0.027 χ^2/NDF : 3433007.8/51

asym_bpm0r03WS_mean vs Slug



Right In: 26.489 $\pm$ 81.941 χ^2 /NDF: 4281.7/24

Left Out: 718.705 $\pm$ 69.601 χ^2 /NDF:1018.5/24

Right Out: 696.326 $\pm$ 82.630 χ^2 /NDF: 4752.3/28

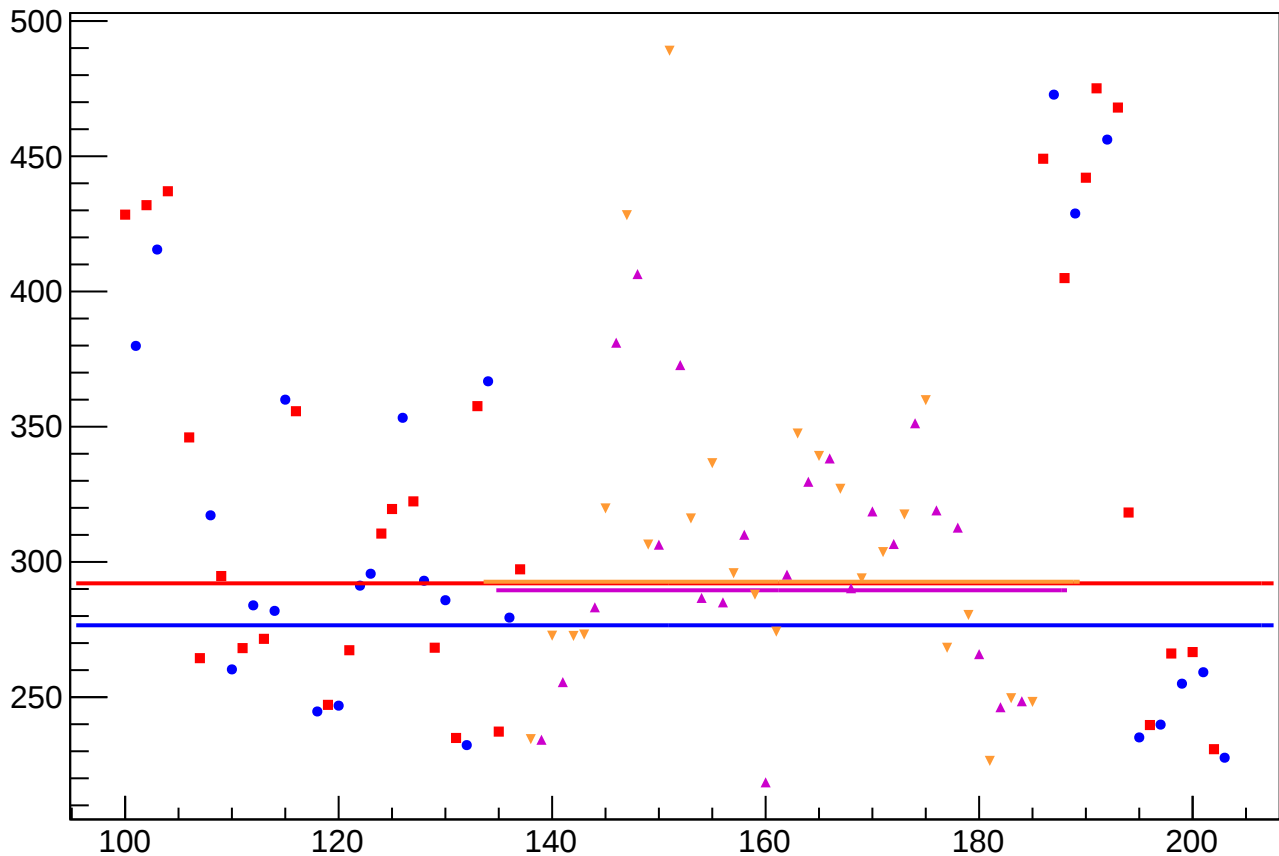
Left In: -304.161 $\pm$ 70.958 χ^2 /NDF:643.5/22

+ sign 428.595 $\pm$ 53.047 χ^2 /NDF: 5341.7/49

All: 276.804 $\pm$ 37.785 χ^2 /NDF: 10838.5/101

- sign 120.485 $\pm$ 53.833 χ^2 /NDF: 5480.2/51

asym_bpm0r03WS_rms vs Slug



Right In: 276.577 $\pm$ 0.058 χ^2 /NDF: 985534.6/24

Left Out: 292.686 $\pm$ 0.049 χ^2 /NDF: 925193.6/24

Right Out: 292.089 $\pm$ 0.058 χ^2 /NDF: 1230883.6/28

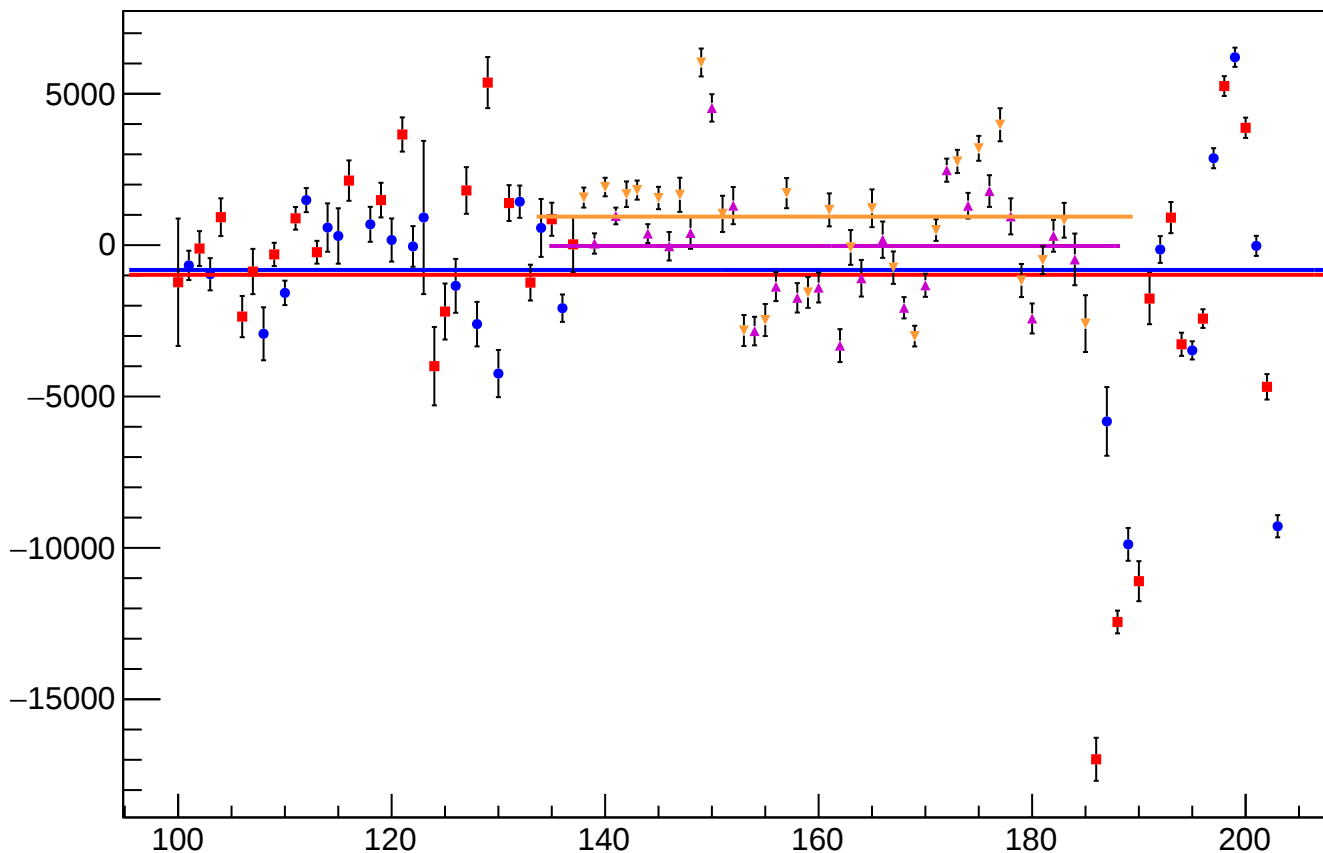
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 285.934 $\pm$ 0.038 χ^2 /NDF: 1955630.7/49

All: 288.238 $\pm$ 0.027 χ^2 /NDF: 3973184.6/100

- sign 290.611 $\pm$ 0.038 χ^2 /NDF: 2009895.6/51

asym_bpm0r05WS_mean vs Slug



Right In: -818.920 ± 99.070 $\chi^2/\text{NDF}: 1647.1/24$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -979.248 ± 94.514 $\chi^2/\text{NDF}: 2655.1/28$

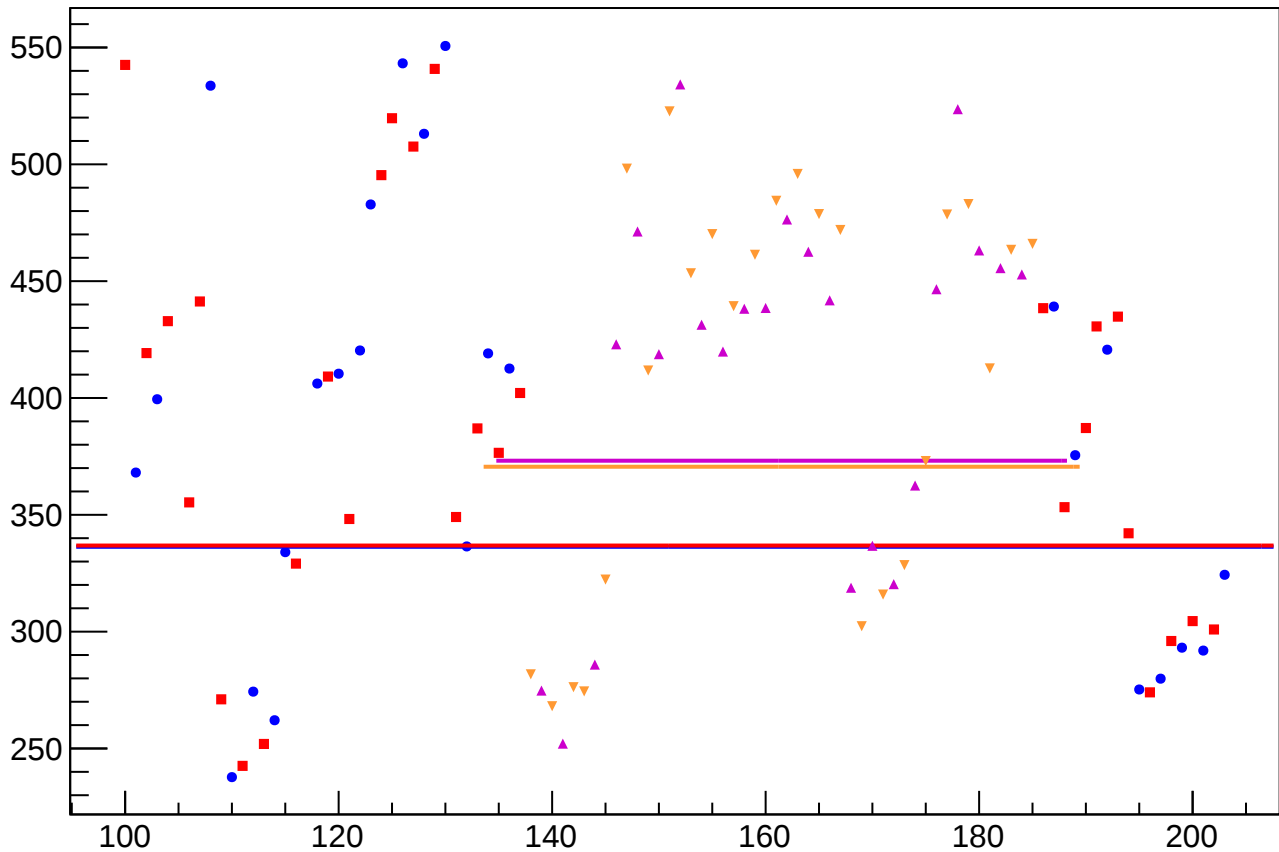
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign 154.176 ± 66.256 $\chi^2/\text{NDF}: 2366.2/49$

All: -170.136 ± 46.776 $\chi^2/\text{NDF}: 5483.5/101$

- sign -492.393 ± 66.046 $\chi^2/\text{NDF}: 3069.5/51$

asym_bpm0r05WS_rms vs Slug



Right In: 336.321+/-0.070 χ^2/NDF : 1174470.7/24

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 336.853+/-0.067 χ^2/NDF : 1128368.0/28

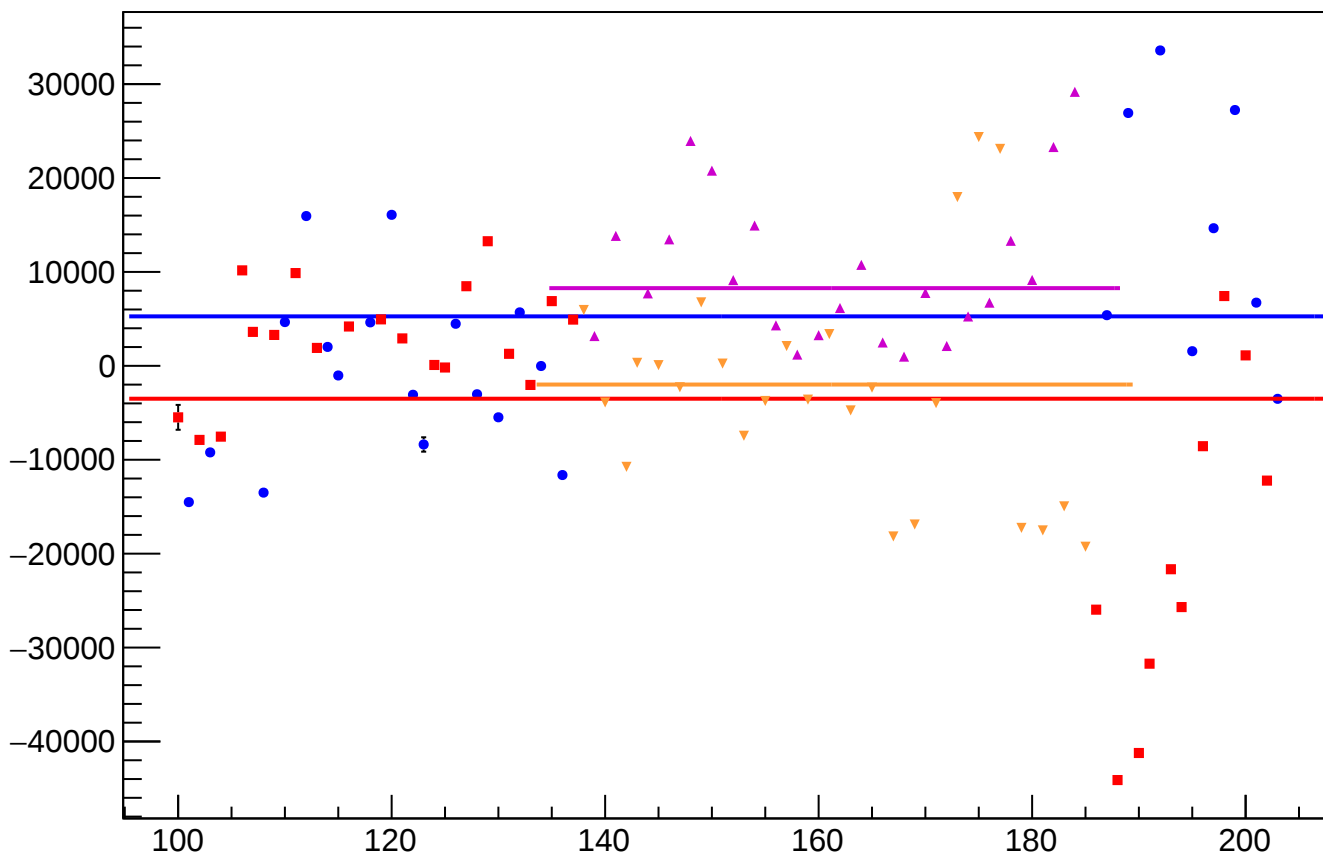
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 355.257+/-0.047 χ^2/NDF : 3184778.7/49

All: 355.344+/-0.033 χ^2/NDF : 6100419.0/103

- sign 355.431+/-0.047 χ^2/NDF : 2915633.4/51

asym_bpm0i02WS_mean vs Slug



Right In: 5267.696+/-44.348 χ^2/NDF : 86495.0/24

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -3501.445+/-42.017 χ^2/NDF : 132040.1/28

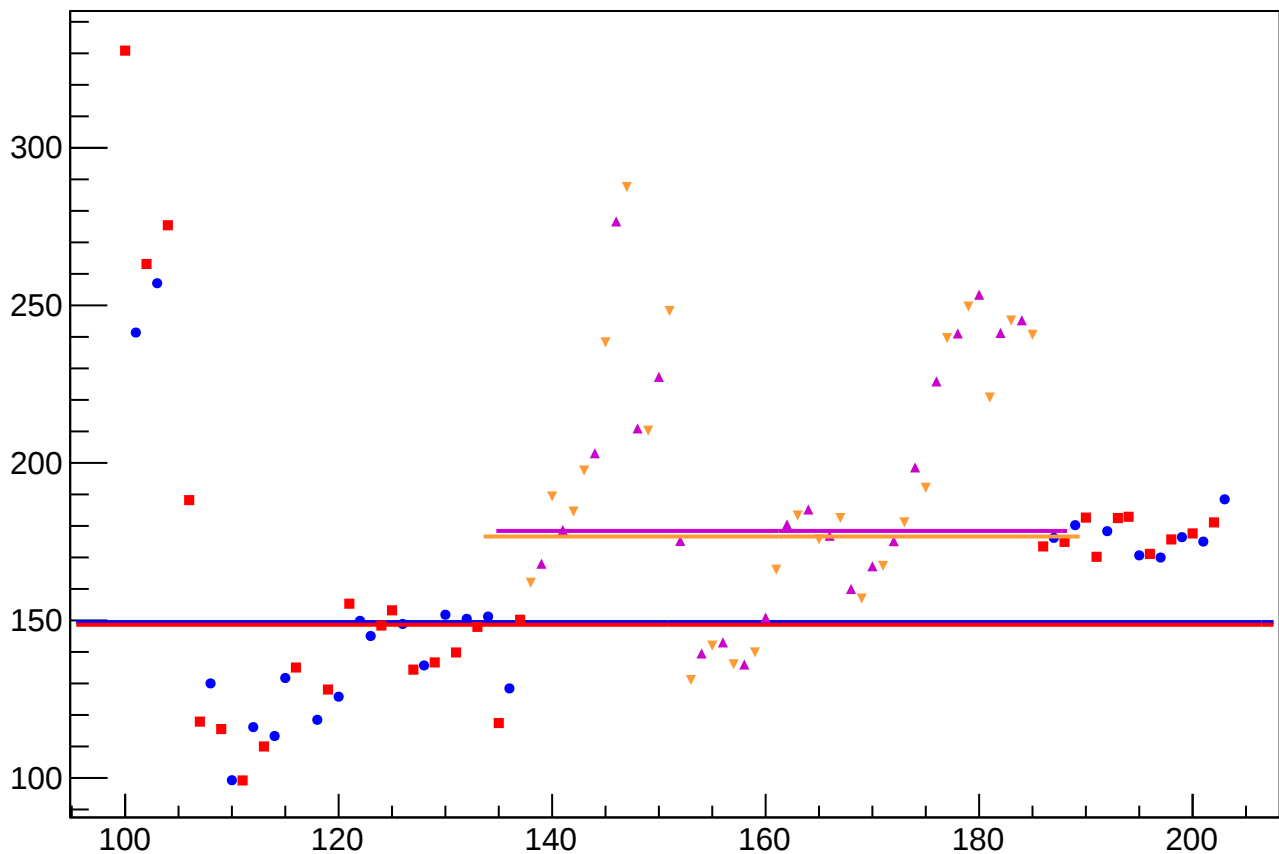
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 1477.276+/-30.657 χ^2/NDF : 164252.2/49

All: 1777.567+/-21.617 χ^2/NDF : 356542.8/100

- sign 2074.516+/-30.486 χ^2/NDF : 192099.7/51

asym_bpm0i02WS_rms vs Slug



Right In: 149.494 $\pm$ 0.031 χ^2 /NDF: 1064776.5/24

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 148.632 $\pm$ 0.030 χ^2 /NDF: 1353383.1/28

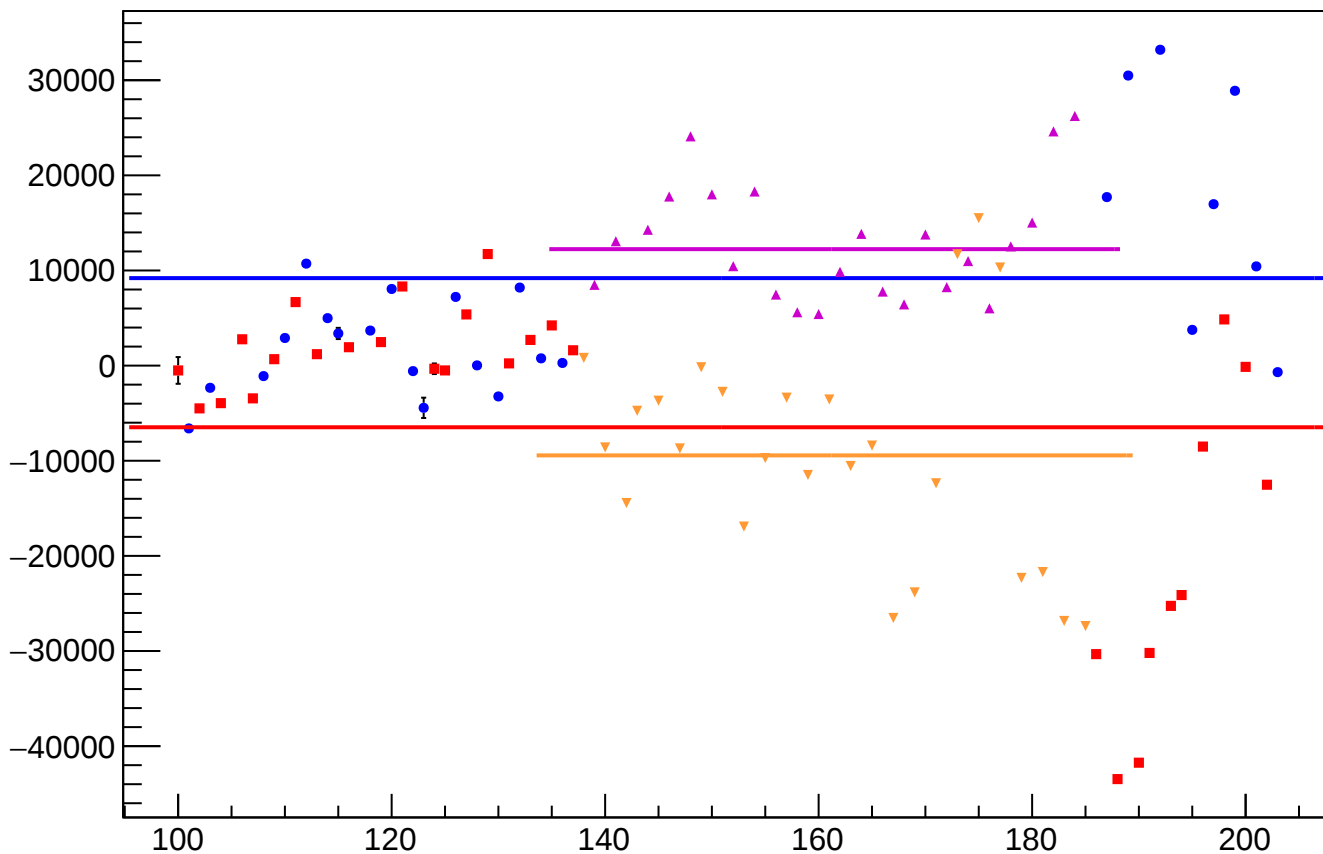
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 163.668 $\pm$ 0.022 χ^2 /NDF: 3007116.0/49

All: 163.199 $\pm$ 0.015 χ^2 /NDF: 6130988.5/103

- sign 162.735 $\pm$ 0.022 χ^2 /NDF: 3122940.8/51

asym_bpm0i02aWS_mean vs Slug



Right In: 9197.469 ± 51.213 $\chi^2/\text{NDF}: 48378.8/24$

Left Out: -9437.408 ± 45.534 $\chi^2/\text{NDF}: 62220.4/24$

Right Out: -6480.357 ± 48.304 $\chi^2/\text{NDF}: 102127.7/28$

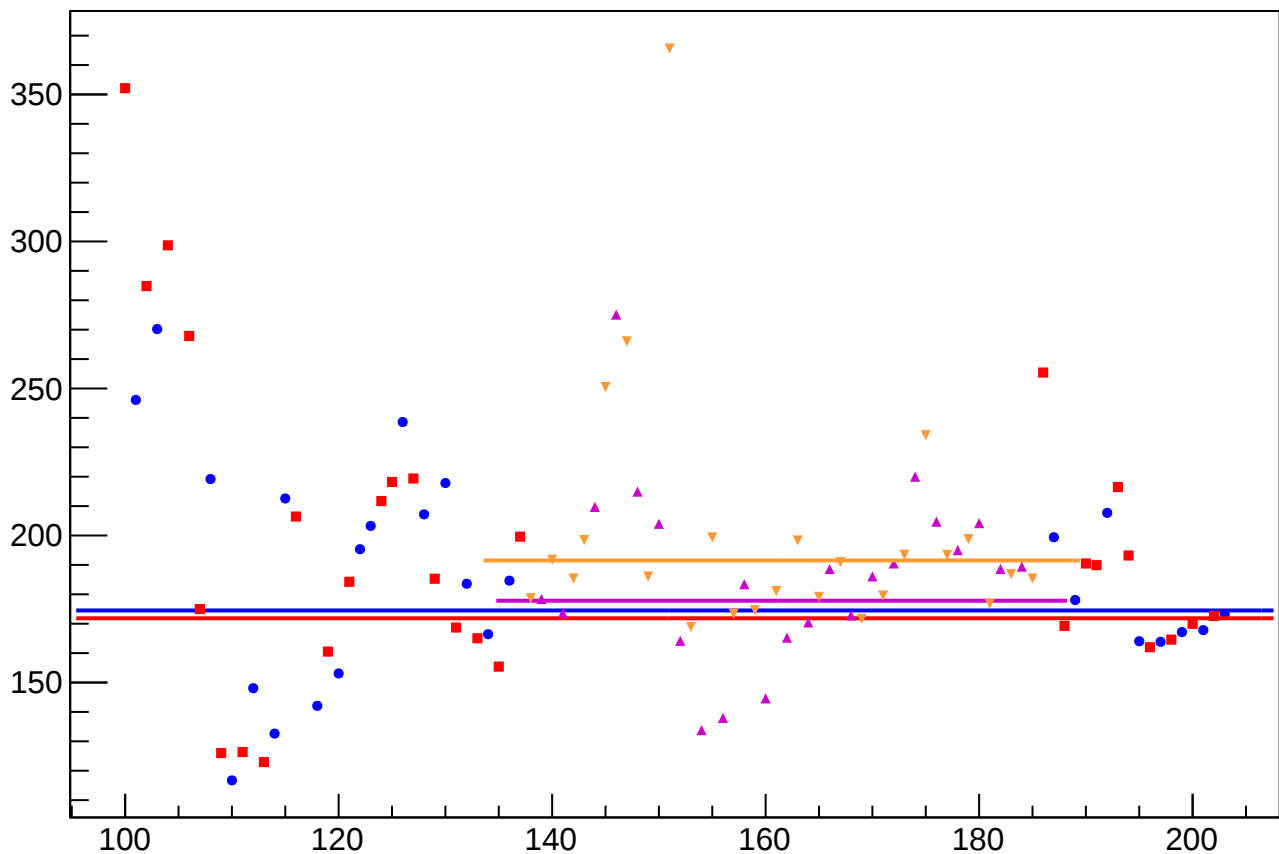
Left In: 12242.226 ± 43.944 $\chi^2/\text{NDF}: 16615.8/22$

+ sign -1210.021 ± 34.029 $\chi^2/\text{NDF}: 184544.4/49$

All: 1390.702 ± 23.505 $\chi^2/\text{NDF}: 396659.1/10$

- sign 3763.796 ± 32.506 $\chi^2/\text{NDF}: 200943.8/51$

asym_bpm0i02aWS_rms vs Slug



Right In: 174.506+/-0.036 χ^2/NDF : 758144.9/24

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 171.850+/-0.034 χ^2/NDF : 1123599.9/28

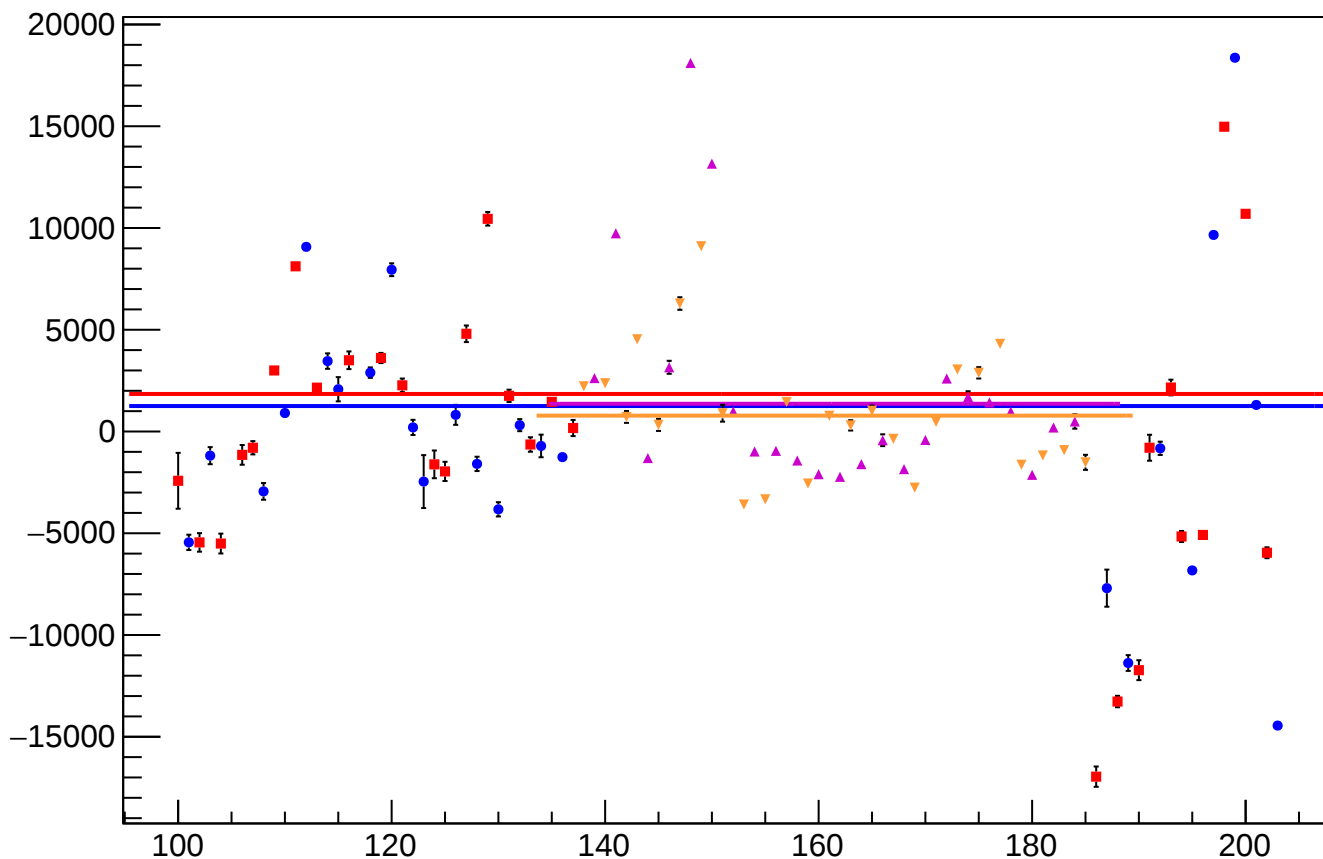
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 184.001+/-0.024 χ^2/NDF : 1608492.1/49

All: 179.356+/-0.017 χ^2/NDF : 3682577.7/103

- sign 175.117+/-0.023 χ^2/NDF : 2002818.0/51

asym_bpm0i05WS_mean vs Slug



Right In: 1250.674 $\pm$ 57.546 χ^2 /NDF: 19635.7/24

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: 1844.516 $\pm$ 54.666 χ^2 /NDF: 16534.3/28

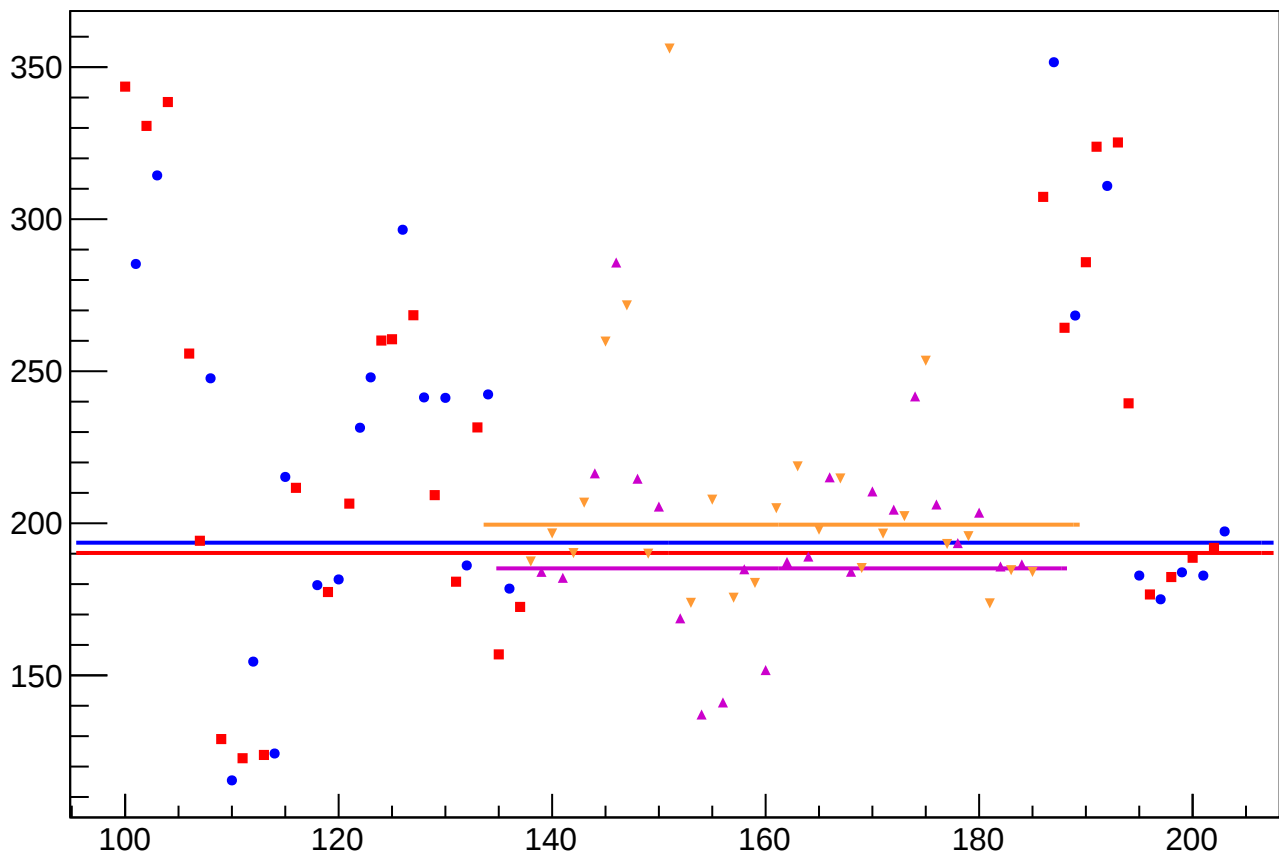
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 970.517 $\pm$ 36.613 χ^2 /NDF: 23936.3/49

All: 1278.467 $\pm$ 25.341 χ^2 /NDF: 52284.8/101

- sign 1561.652 $\pm$ 35.110 χ^2 /NDF: 28212.7/51

asym_bpm0i05WS_rms vs Slug



Right In: 193.619 $\pm$ 0.041 χ^2 /NDF: 1406821.6/24

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 190.243 $\pm$ 0.039 χ^2 /NDF: 2127644.8/28

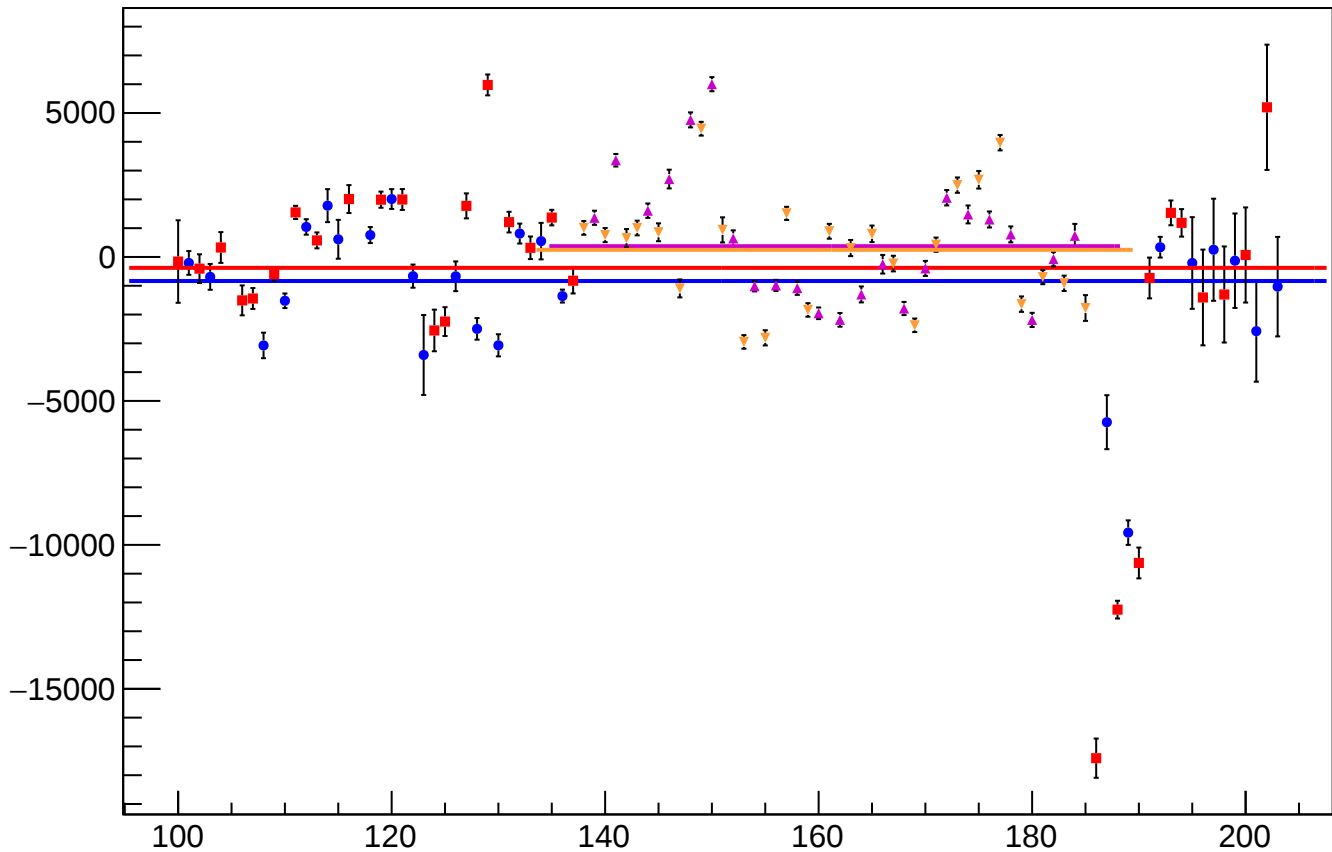
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 197.147 $\pm$ 0.026 χ^2 /NDF: 2148808.2/49

All: 191.998 $\pm$ 0.018 χ^2 /NDF: 5245258.6/103

- sign 187.263 $\pm$ 0.025 χ^2 /NDF: 3020512.4/51

asym_bpm0i07WS_mean vs Slug



Right In: -835.352 ± 83.641 χ^2/NDF : 761.2/24

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -377.934 ± 75.140 χ^2/NDF : 3169.1/28

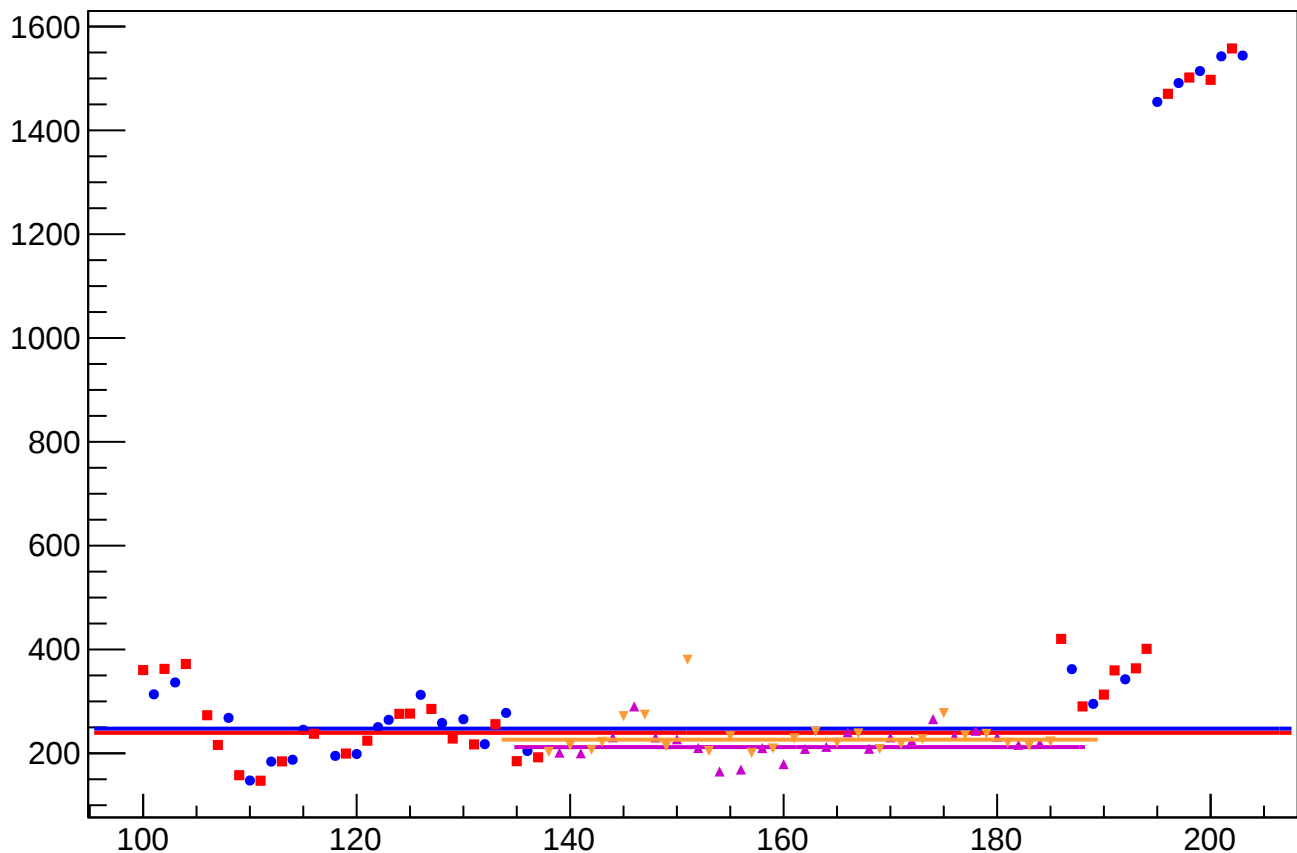
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -67.117 ± 45.102 χ^2/NDF : 2235.2/49

All: 36.773 ± 31.041 χ^2/NDF : 7283.1/101

- sign 130.272 ± 42.787 χ^2/NDF : 5037.8/51

asym_bpm0i07WS_rms vs Slug



Right In: 247.535 $\pm$ 0.059 χ^2 /NDF: 6556667.9/24

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 239.449 $\pm$ 0.053 χ^2 /NDF: 5967447.8/28

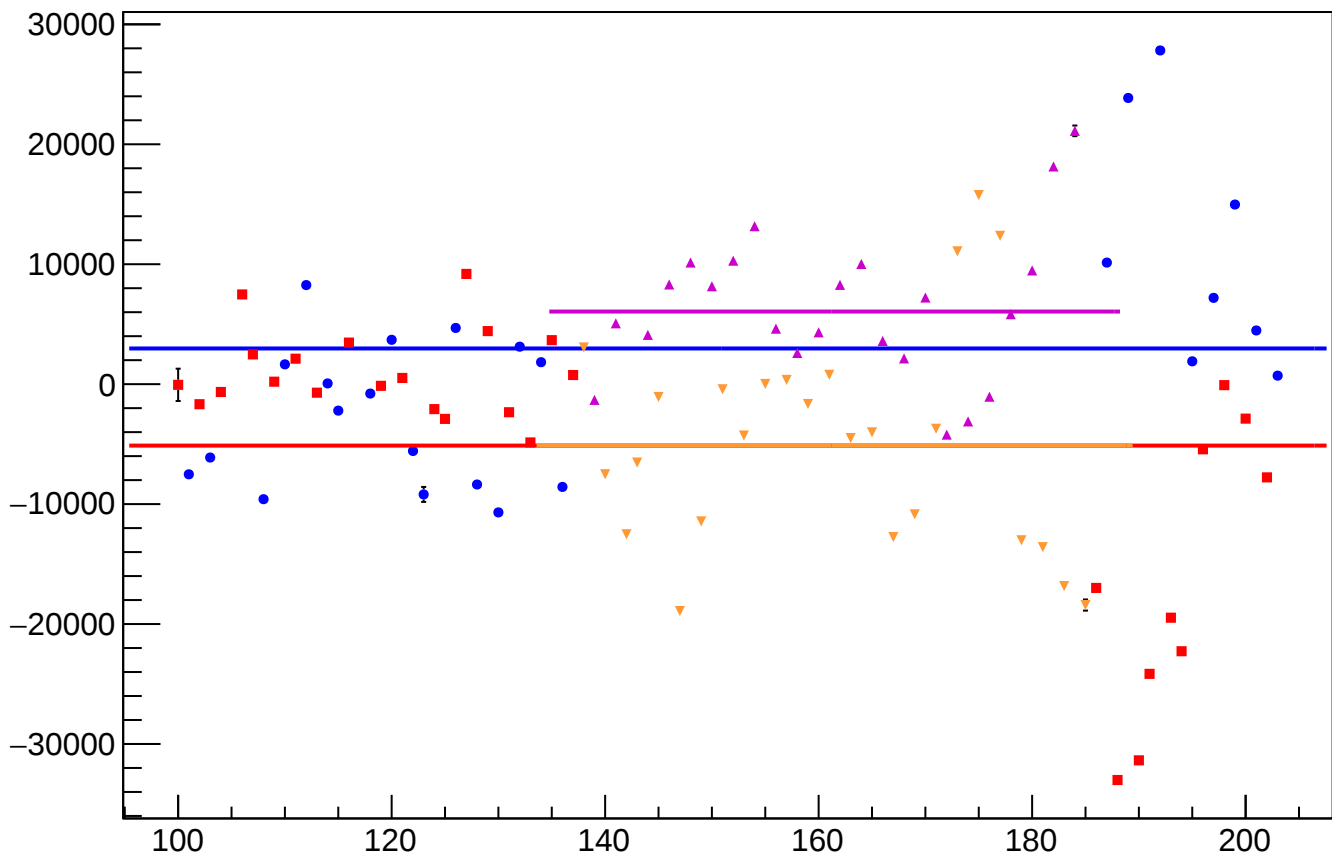
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 232.490 $\pm$ 0.032 χ^2 /NDF: 7168949.3/49

All: 226.379 $\pm$ 0.022 χ^2 /NDF: 13971244.9/10

- sign 220.880 $\pm$ 0.030 χ^2 /NDF: 6732546.7/51

asym_bpm1i02WS_mean vs Slug



Right In: 2975.453+/-37.694 χ^2/NDF : 73382.5/24

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5121.595+/-35.401 χ^2/NDF : 100997.5/28

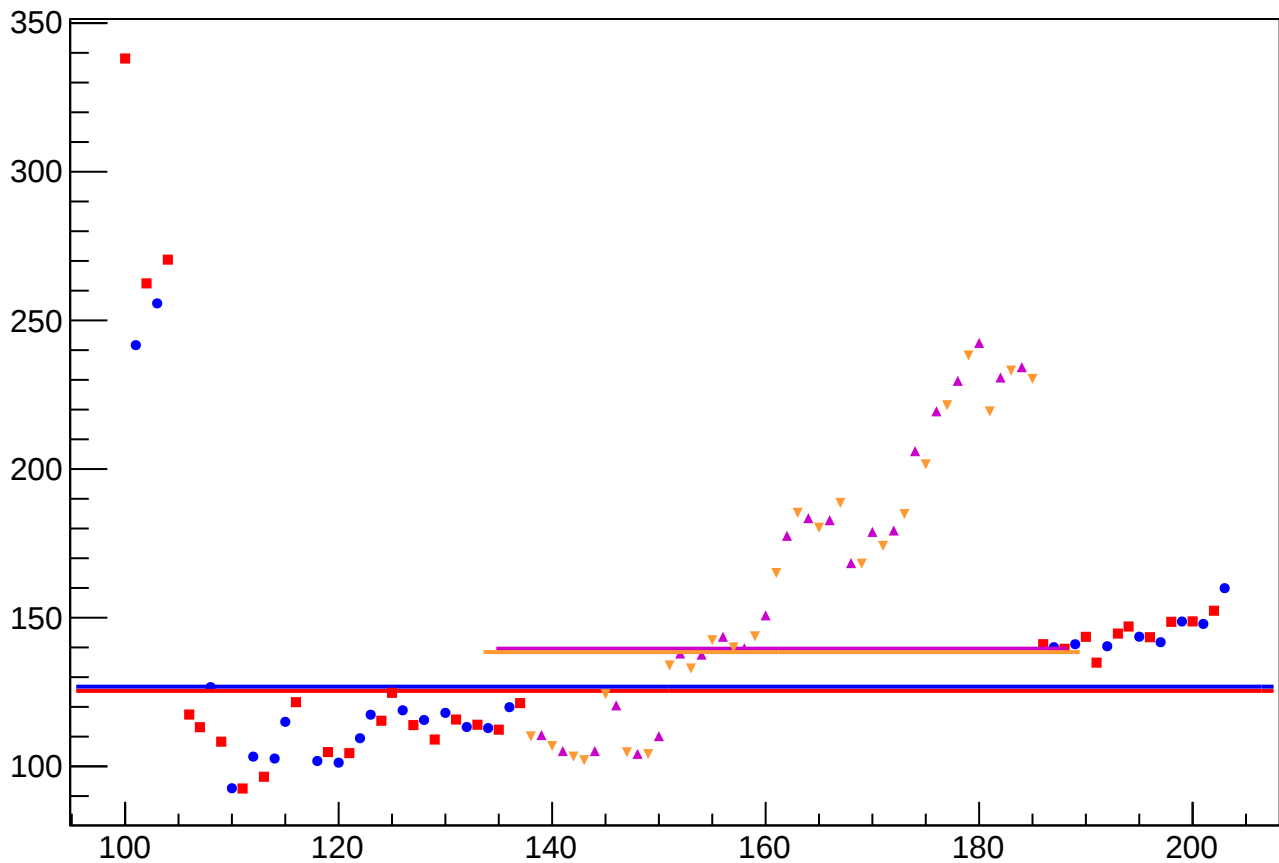
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -1509.659+/-25.125 χ^2/NDF : 153254.0/49

All: -480.229+/-17.682 χ^2/NDF : 325563.3/10

- sign 529.926+/-24.889 χ^2/NDF : 168983.3/51

asym_bpm1i02WS_rms vs Slug



Right In: 126.806+/-0.027 χ^2/NDF : 1057771.1/24

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 125.375+/-0.025 χ^2/NDF : 1178338.6/28

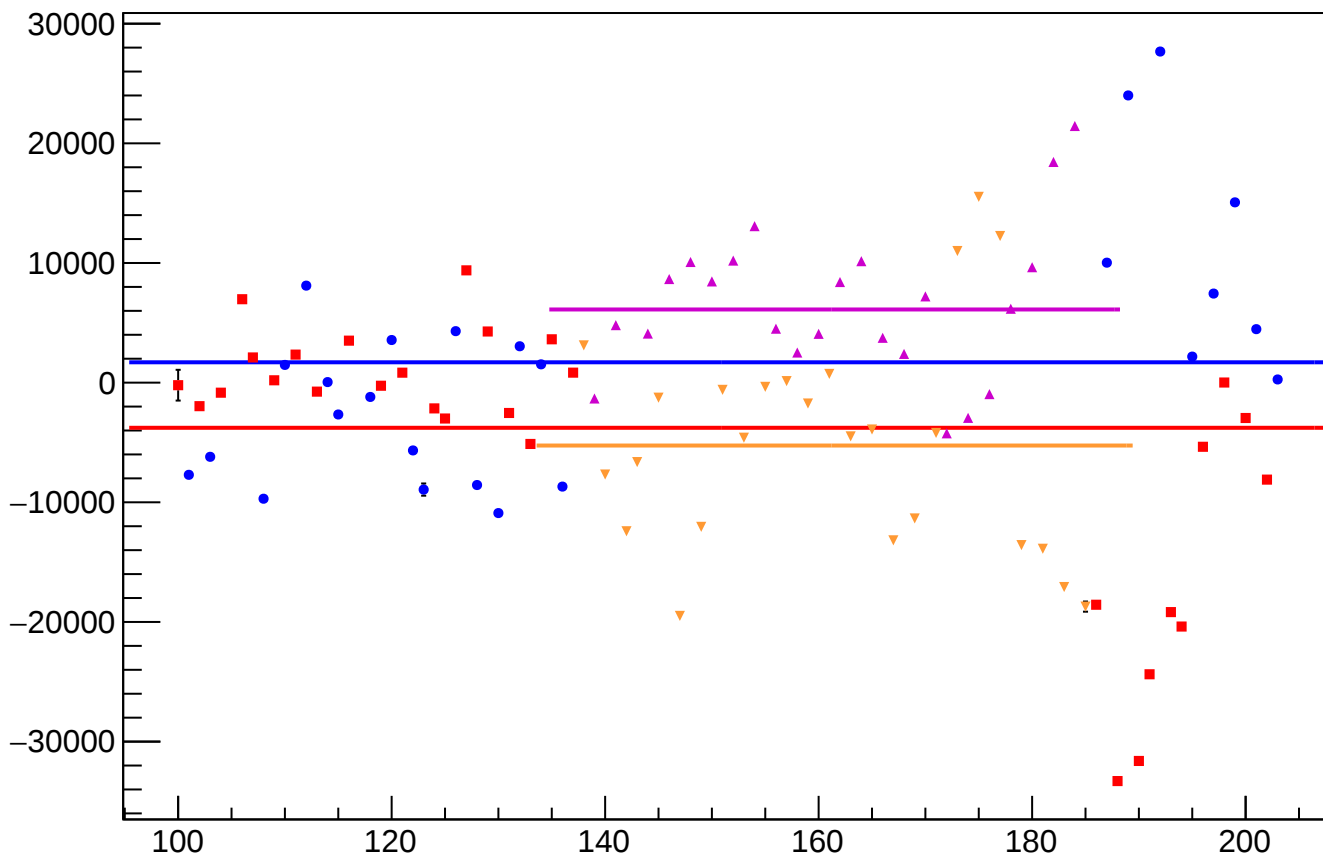
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 133.269+/-0.018 χ^2/NDF : 3712997.3/49

All: 132.910+/-0.013 χ^2/NDF : 7468600.4/103

- sign 132.558+/-0.018 χ^2/NDF : 3754794.1/51

asym_bpm1i04WS_mean vs Slug



Right In: 1700.749+/-33.569 χ^2/NDF : 80344.2/24

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -3772.851+/-31.715 χ^2/NDF : 108088.4/28

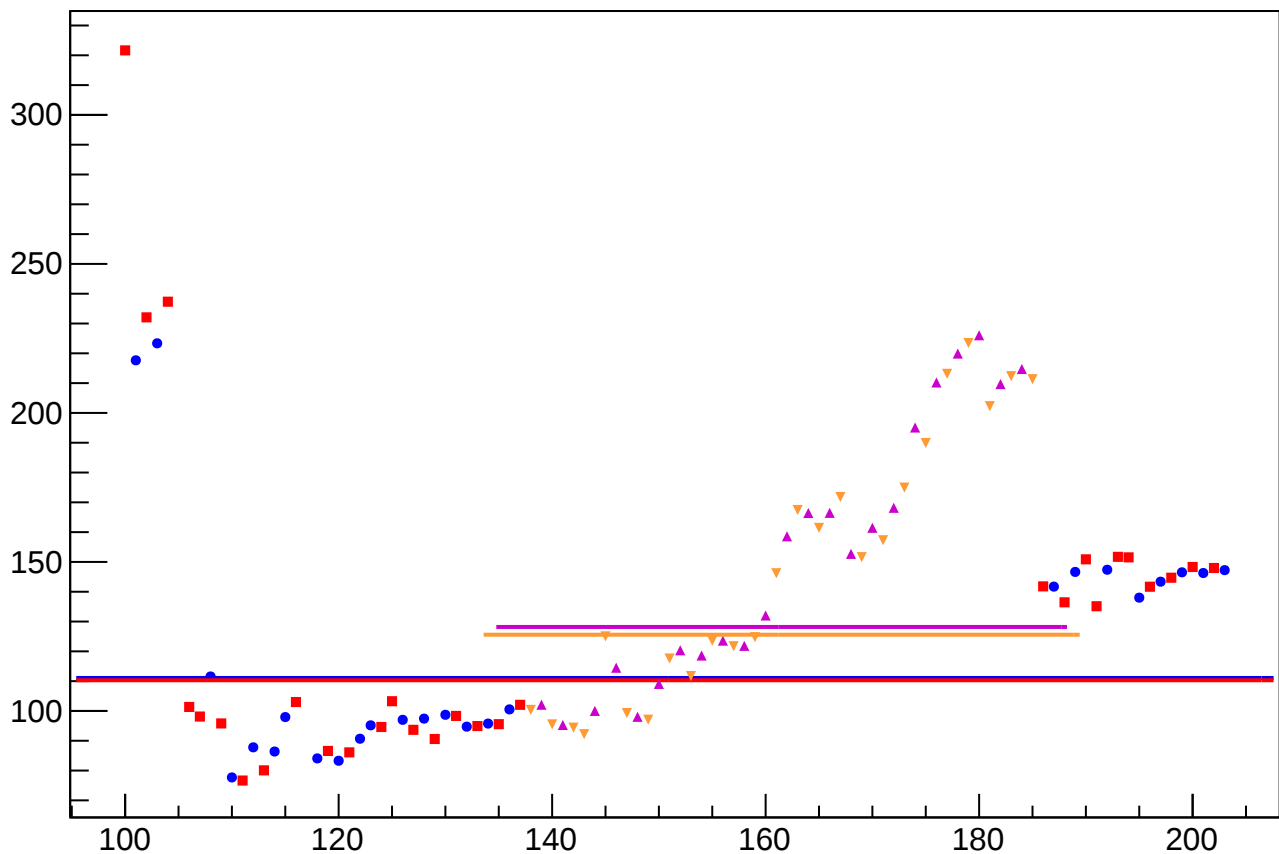
Left In: 6114.901+/-32.126 χ^2/NDF : 21260.9/22

+ sign -2096.113+/-22.623 χ^2/NDF : 168108.0/49

All: -490.564+/-15.978 χ^2/NDF : 355482.0/10

- sign 1107.391+/-22.570 χ^2/NDF : 177324.5/51

asym_bpm1i04WS_rms vs Slug



Right In: 111.067+/-0.024 χ^2/NDF : 1670476.7/24

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 110.298+/-0.022 χ^2/NDF : 1922652.5/28

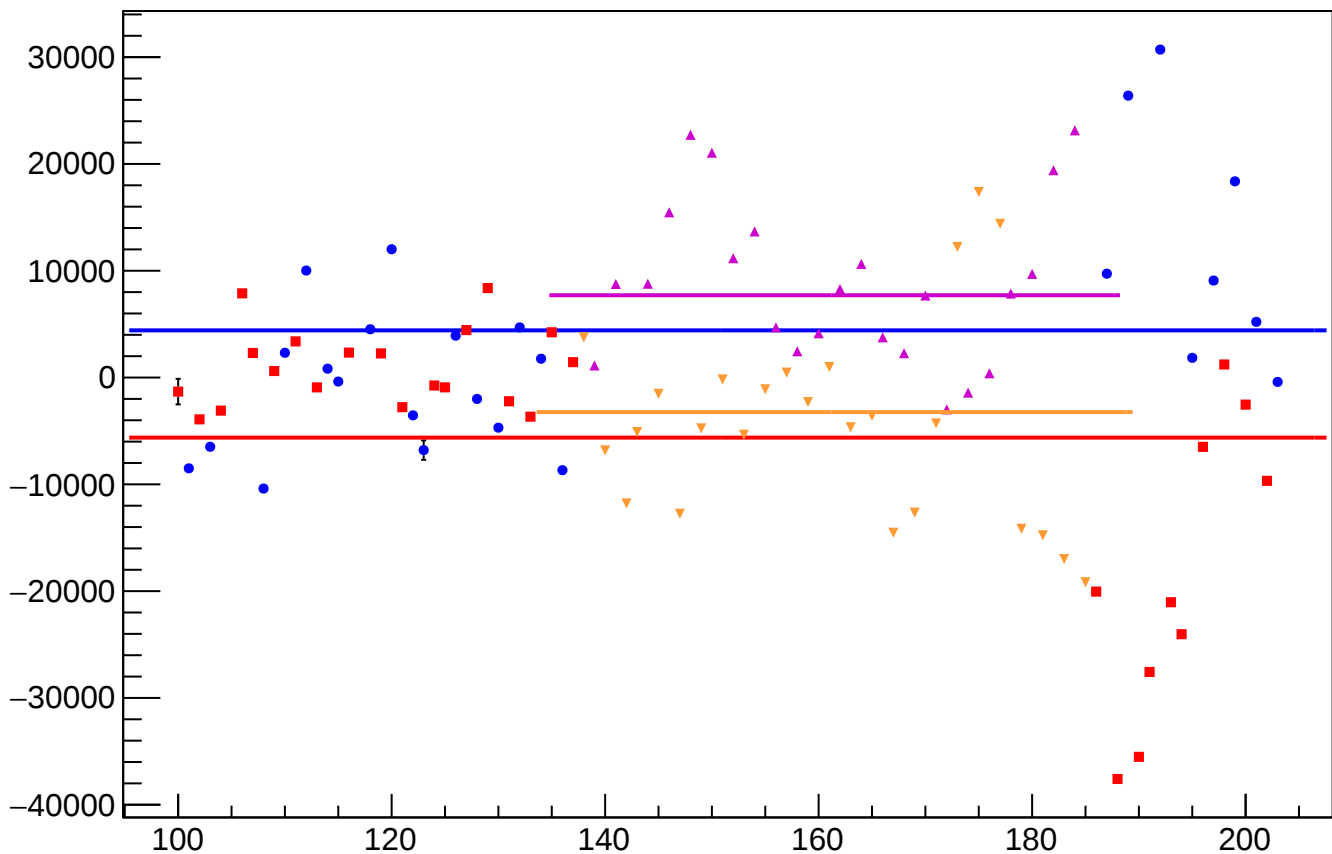
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 118.987+/-0.016 χ^2/NDF : 4470202.6/49

All: 119.056+/-0.011 χ^2/NDF : 9039814.5/101

- sign 119.126+/-0.016 χ^2/NDF : 4569574.0/51

asym_bpm1i06WS_mean vs Slug



Right In: 4419.047+/-44.596 χ^2/NDF : 58347.3/24

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -5624.461+/-41.987 χ^2/NDF : 90356.1/28

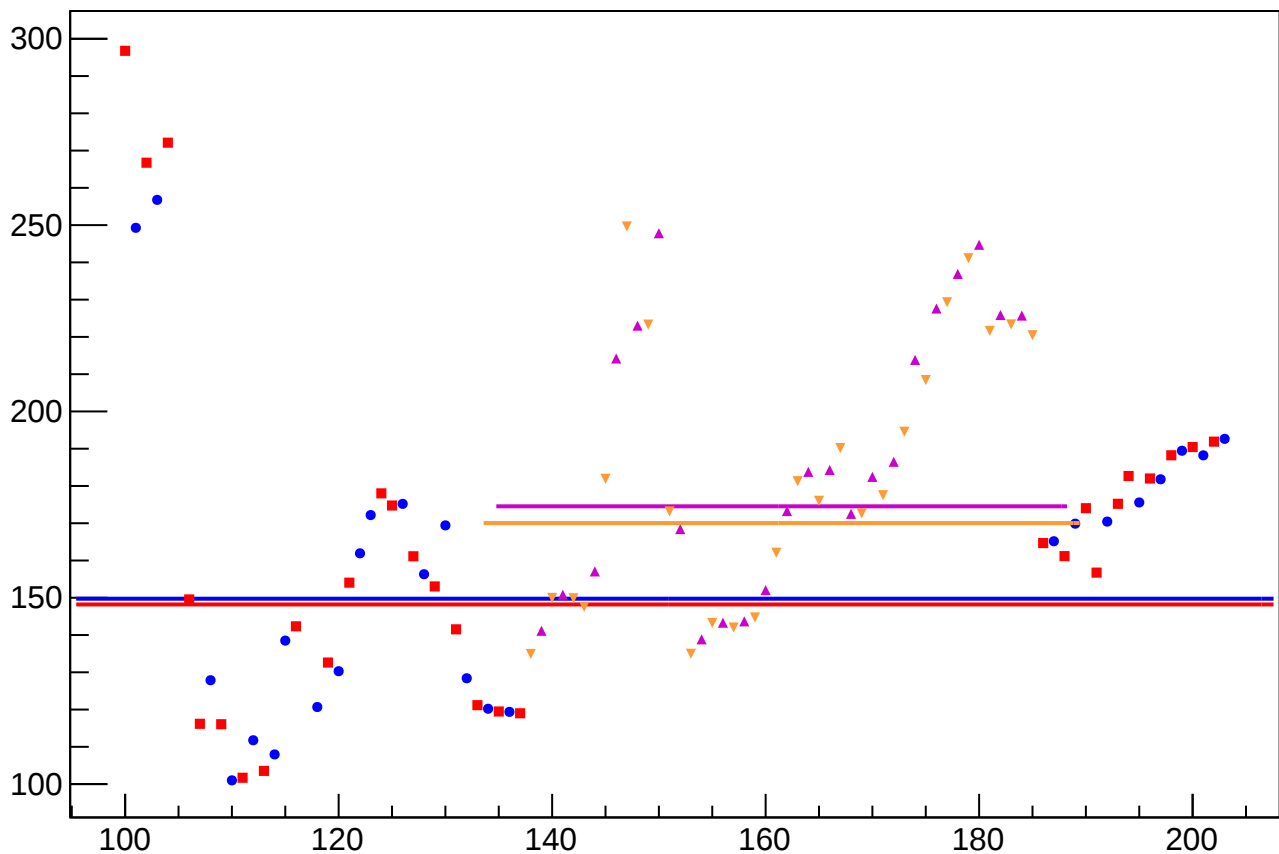
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 232.244+/-30.015 χ^2/NDF : 111200.4/49

All: 557.893+/-21.232 χ^2/NDF : 272278.5/103

- sign 884.034+/-30.038 χ^2/NDF : 160842.5/51

asym_bpm1i06WS_rms vs Slug



Right In: 149.745 $\pm$ 0.032 χ^2 /NDF: 1289559.8/24

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 148.205 $\pm$ 0.030 χ^2 /NDF: 1445858.2/28

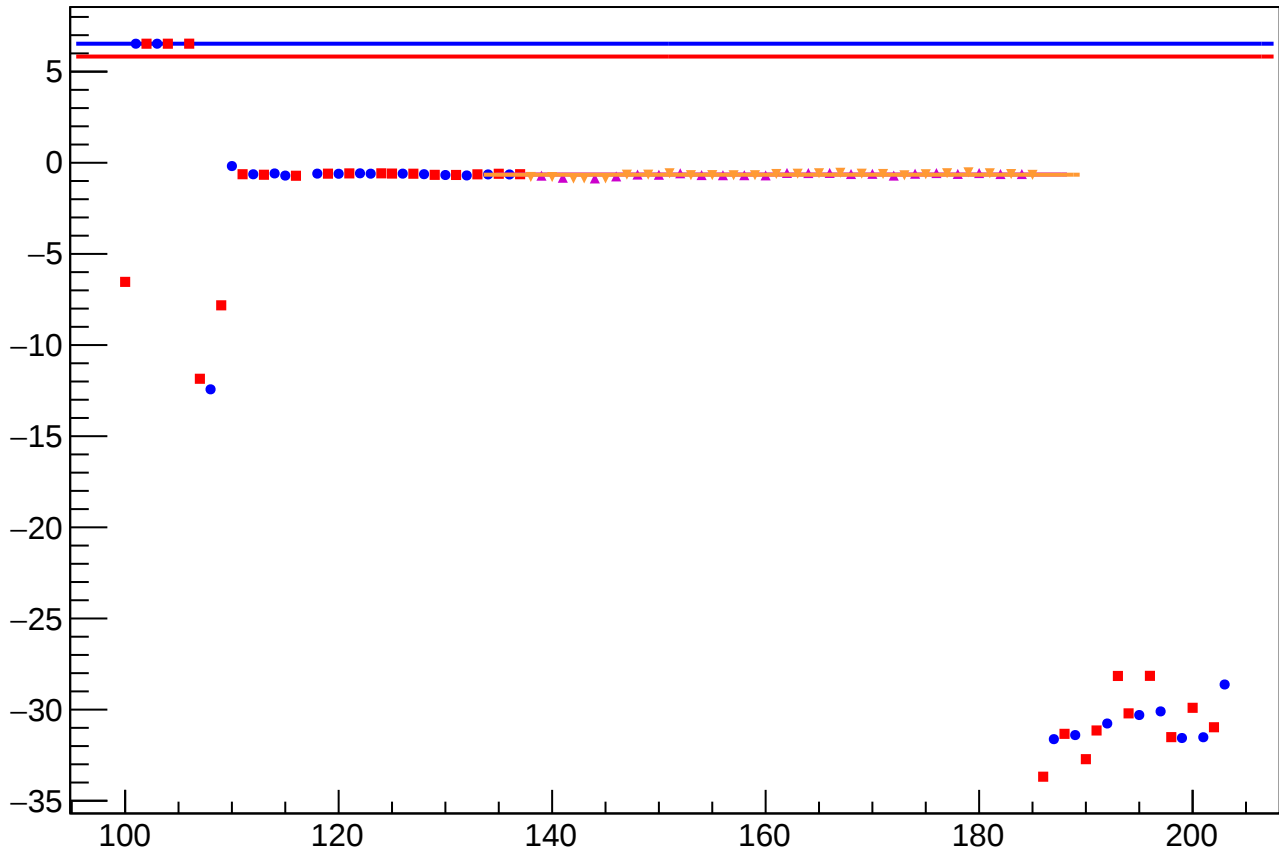
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 160.852 $\pm$ 0.021 χ^2 /NDF: 2757208.1/49

All: 160.957 $\pm$ 0.015 χ^2 /NDF: 5797265.4/100

- sign 161.062 $\pm$ 0.021 χ^2 /NDF: 3040008.5/51

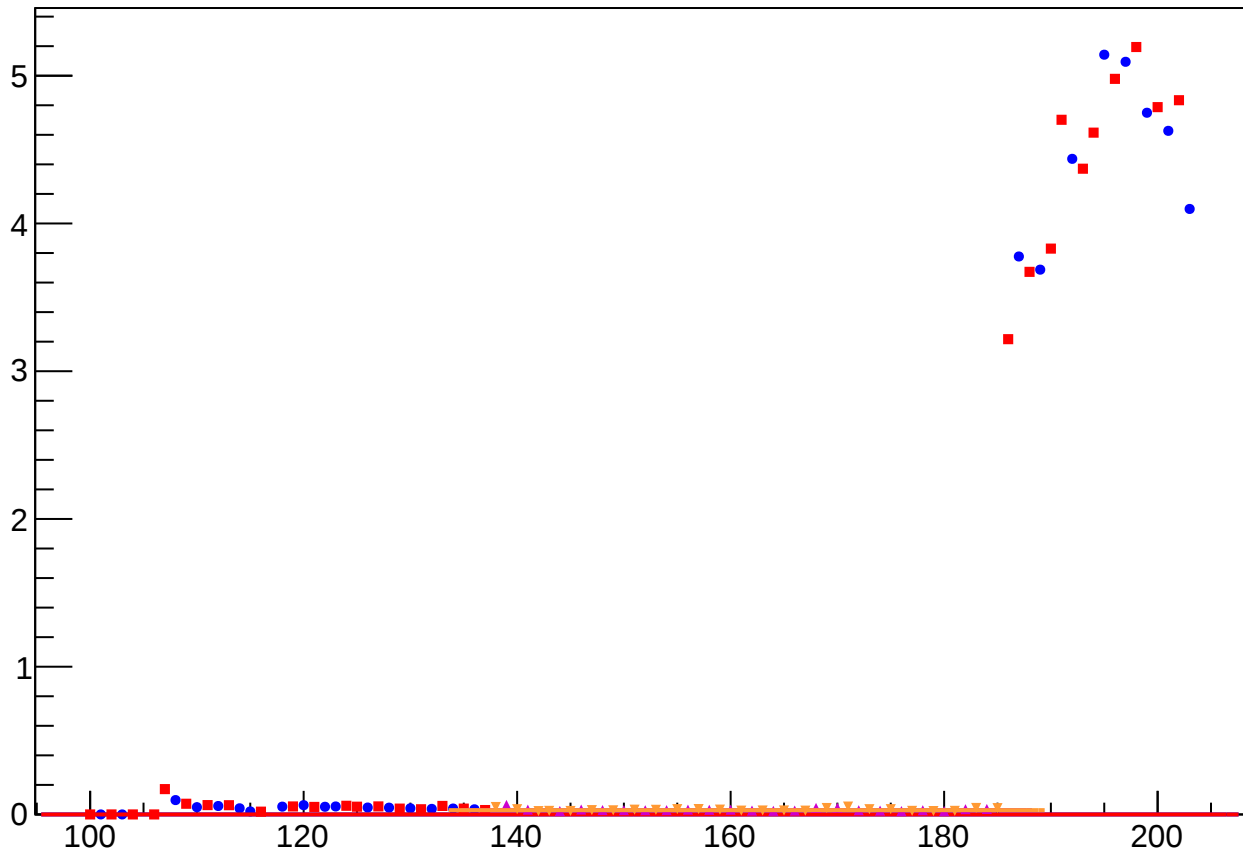
yield_cav4bX_mean vs Slug



Right In: 6.532 ± 0.000 χ^2/NDF : 127930423867.0/24
 Left Out: -0.654 ± 0.000 χ^2/NDF : 179109810.4/24
 Right Out: 5.827 ± 0.000 χ^2/NDF : 755947754590128.9/28
 Left In: -0.644 ± 0.000 χ^2/NDF : 122913584.0/22

+ sign 6.530 ± 0.000 χ^2/NDF : 999319700023.9/49
 All: 6.153 ± 0.000 χ^2/NDF : 77760222259953.9/100
 - sign 5.826 ± 0.000 χ^2/NDF : 756619099192641.2/100

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19738708.2/24

Left Out: 0.029+/-0.000 χ^2/NDF : 1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21781317.4/28

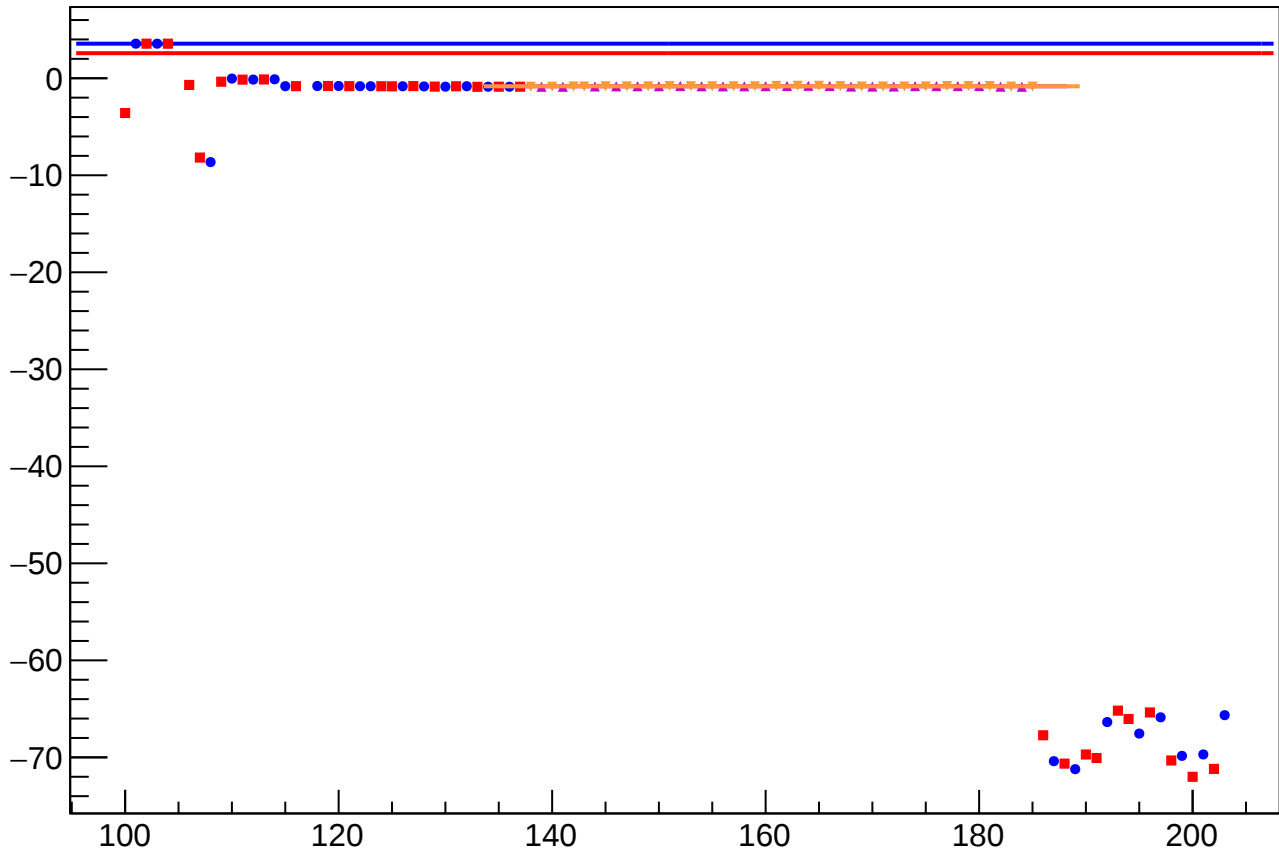
Left In: 0.029+/-0.000 χ^2/NDF : 1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 49610096.7/49

All: 0.000+/-0.000 χ^2/NDF : 99357788.7/101

- sign 0.000+/-0.000 χ^2/NDF : 49747007.5/51

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 505909505126.7/24

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253527094490735.0/28

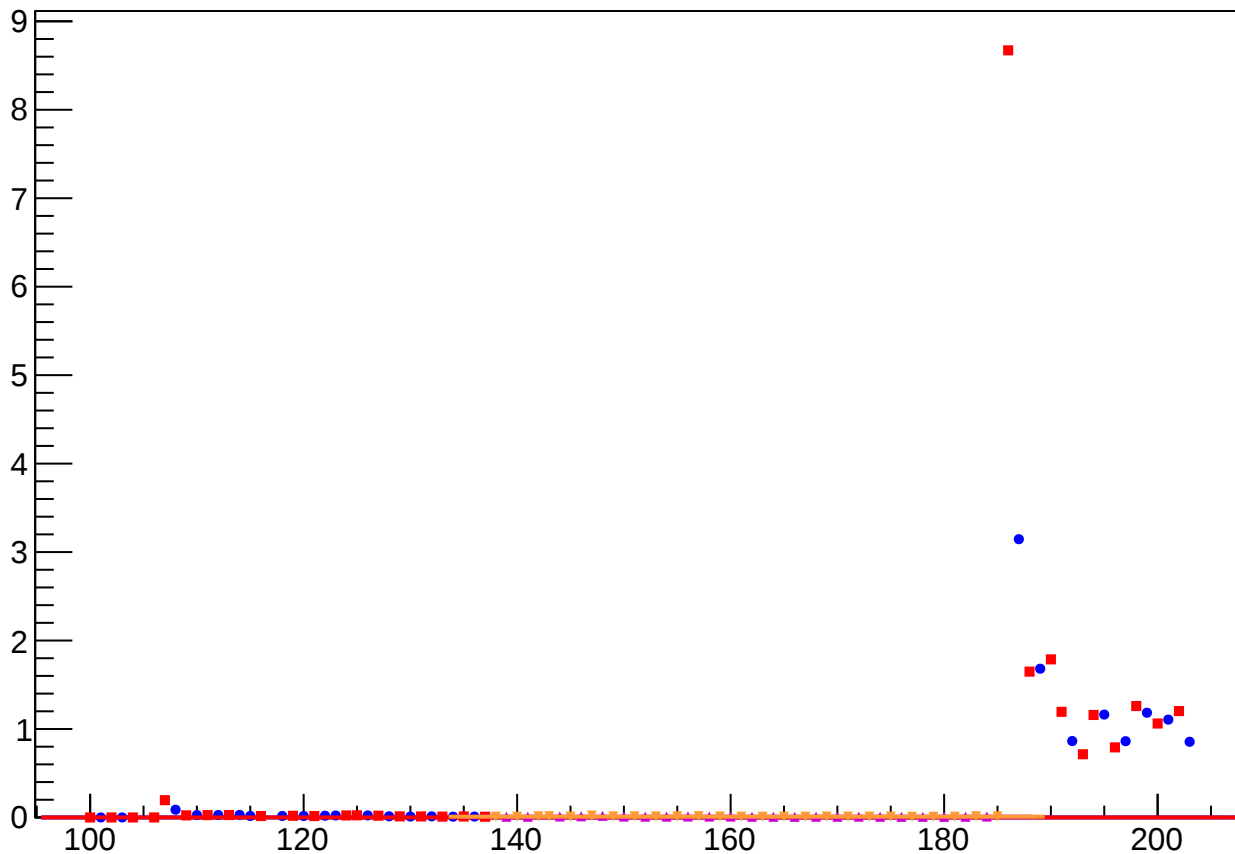
Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4188064950329.5/49

All: 3.038+/-0.000 χ^2/NDF : 13879906498939

- sign 2.581+/-0.000 χ^2/NDF : 1255727146531625.8

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18561608.9/24

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 20436120.7/28

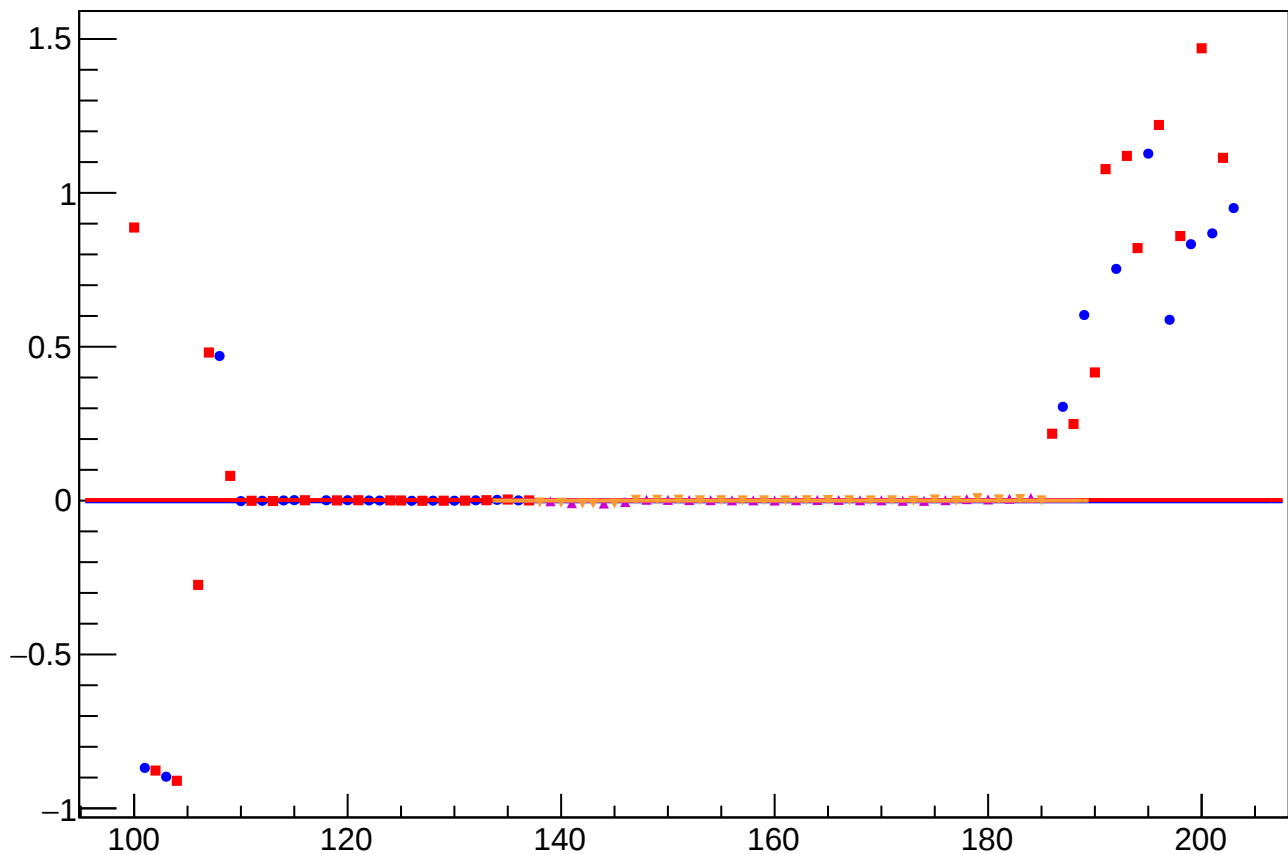
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 49970385.8/49

All: 0.000+/-0.000 χ^2/NDF : 99953137.9/101

- sign 0.000+/-0.000 χ^2/NDF : 49981627.3/51

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9796767422.0/24$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151482851.1/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3043214276.9/28$

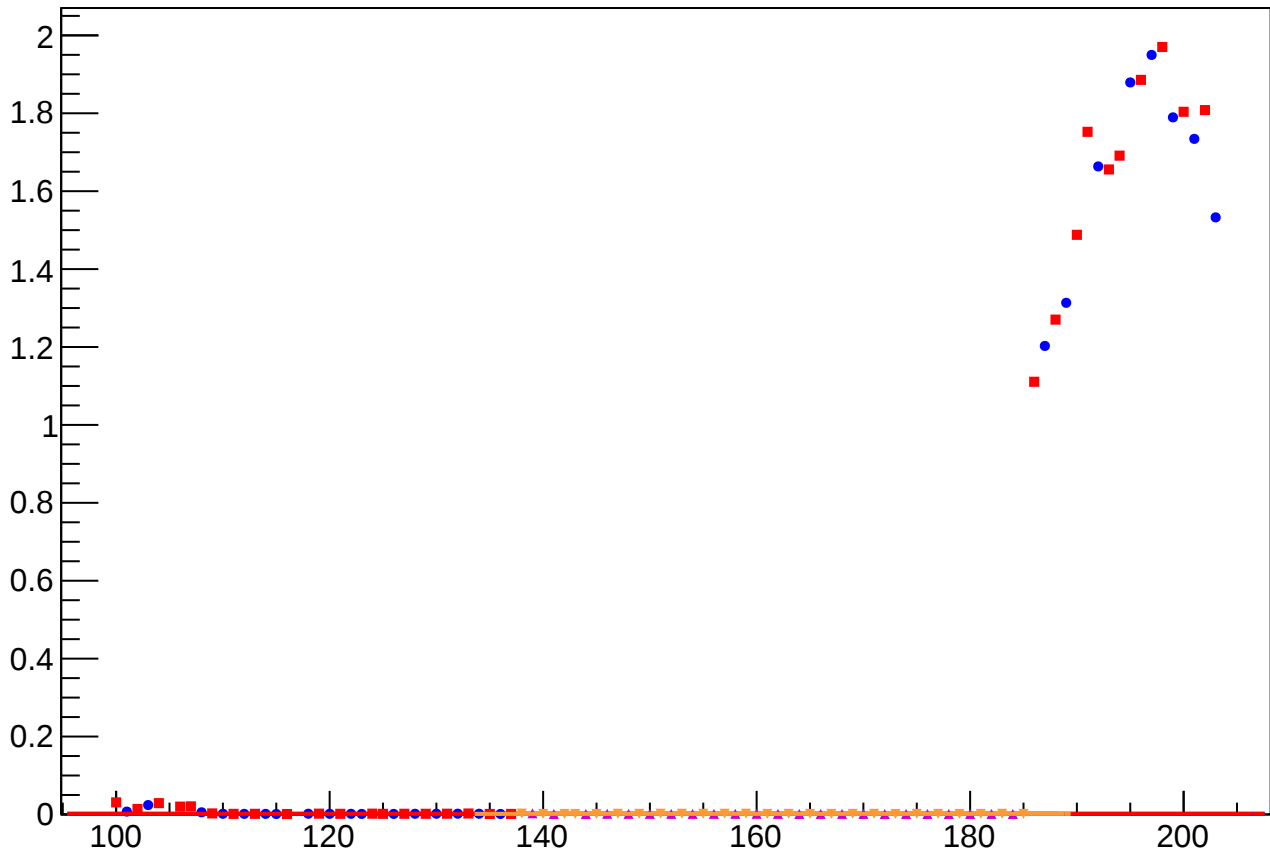
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101439617.3/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9954783806.5/49$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13108986172.8/100$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3146621171.0/51$

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 12613126.5/24

Left Out: 0.001+/-0.000 χ^2/NDF : 539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 15427096.3/28

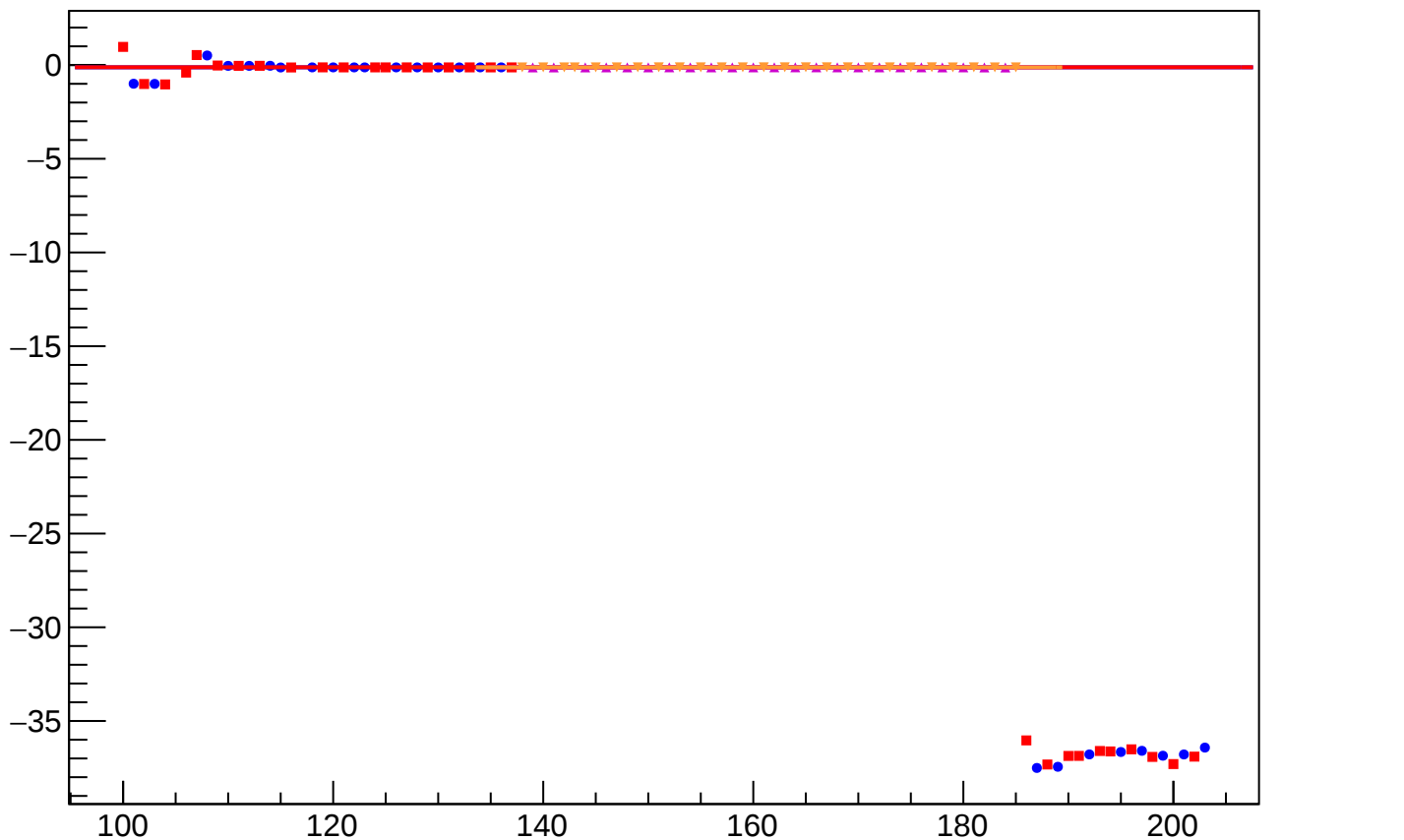
Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 13224781.3/49

All: 0.002+/-0.000 χ^2/NDF : 29396630.1/101

- sign 0.002+/-0.000 χ^2/NDF : 16162895.7/51

yield_cav4cY_mean vs Slug



Right In: -0.121+/-0.000 χ^2/NDF : 50551635331.4/24

Left Out: -0.121+/-0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.116+/-0.000 χ^2/NDF : 53046544881.8/28

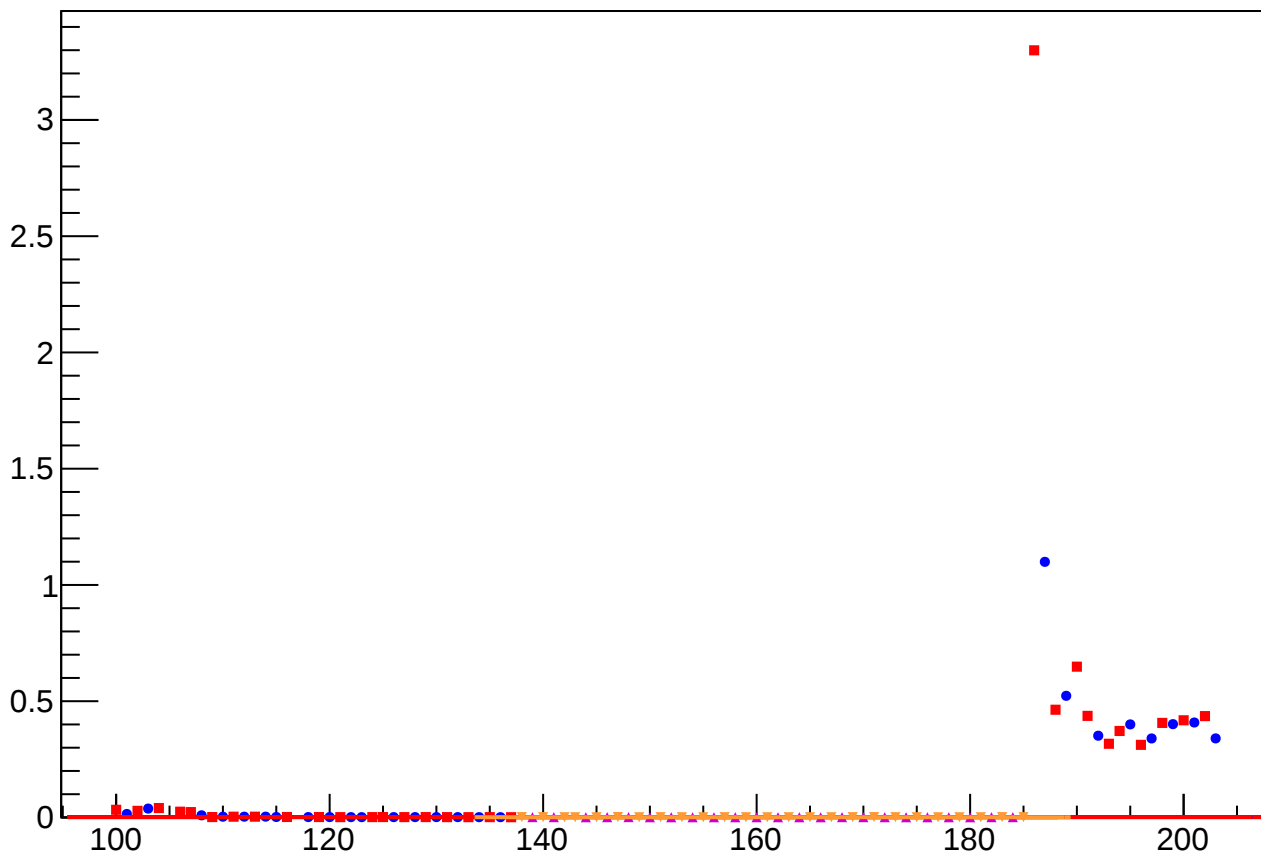
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 50609764671.8/49

All: -0.121+/-0.000 χ^2/NDF : 103751368017.4

- sign -0.120+/-0.000 χ^2/NDF : 53137545385.9/51

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 13071718.8/24

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 15429525.8/28

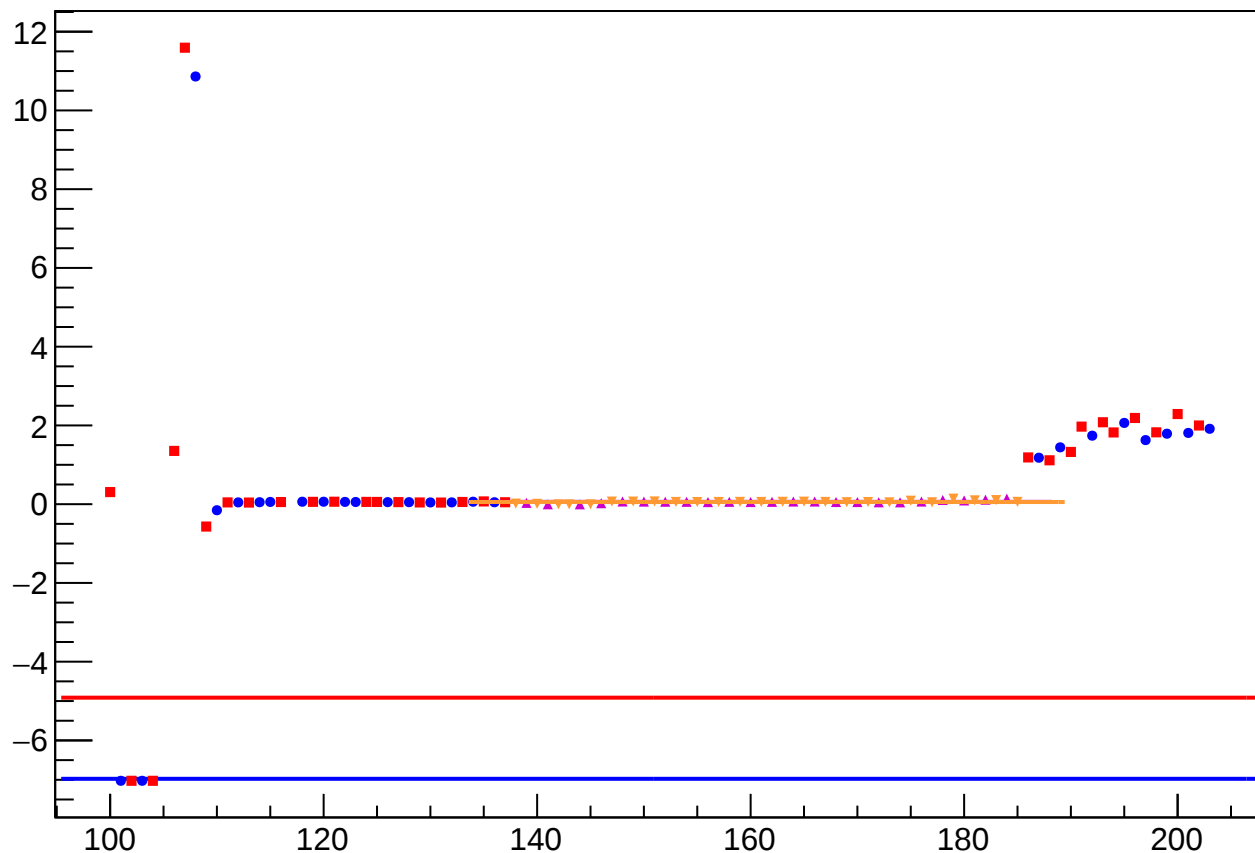
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 15642165.5/49

All: 0.001+/-0.000 χ^2/NDF : 33178778.6/101

- sign 0.001+/-0.000 χ^2/NDF : 17534777.3/51

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797545165953.8/24

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352790672801.2/28

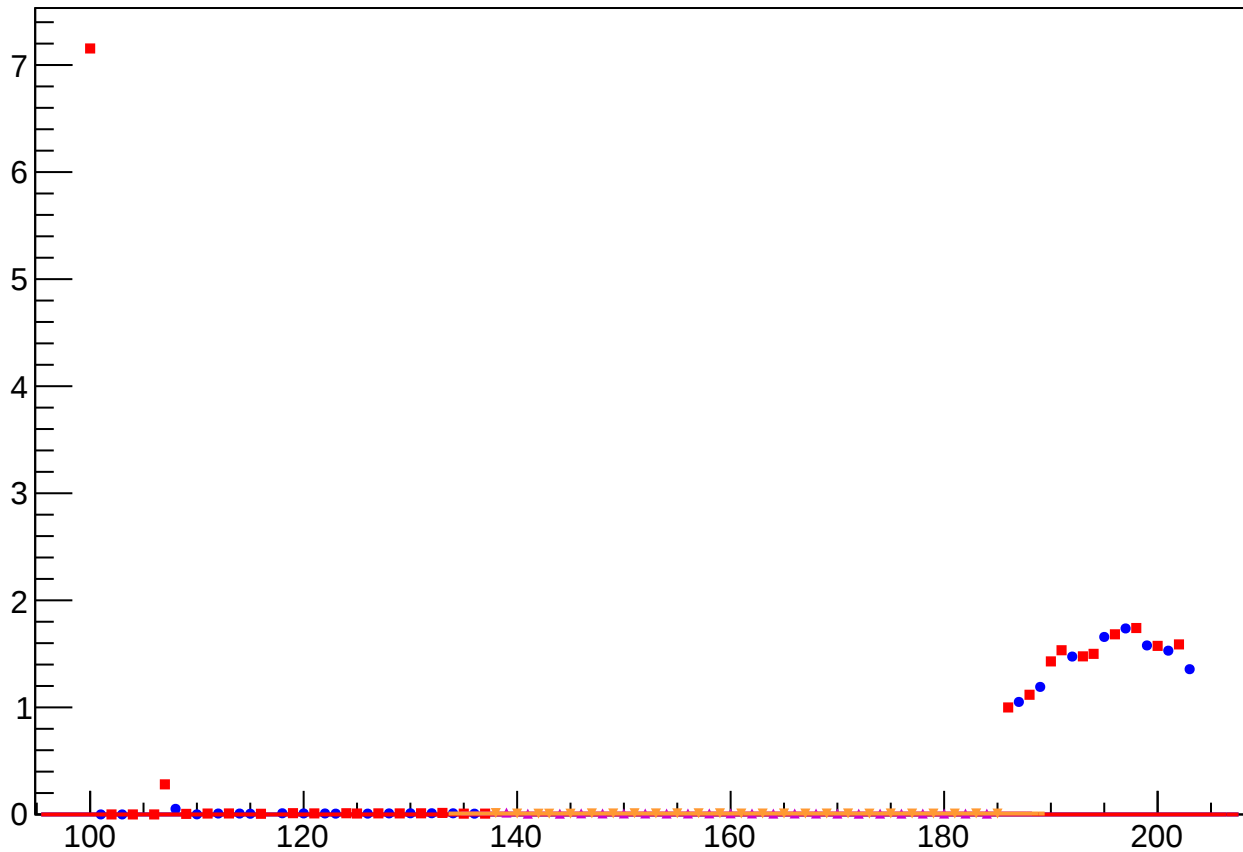
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18423858182445.5/24

All: -5.858 ± 0.000 χ^2/NDF : 4435288785317.2/24

- sign -4.882 ± 0.000 χ^2/NDF : 369731810800401.1/24

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19061958.7/24

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21208602.7/28

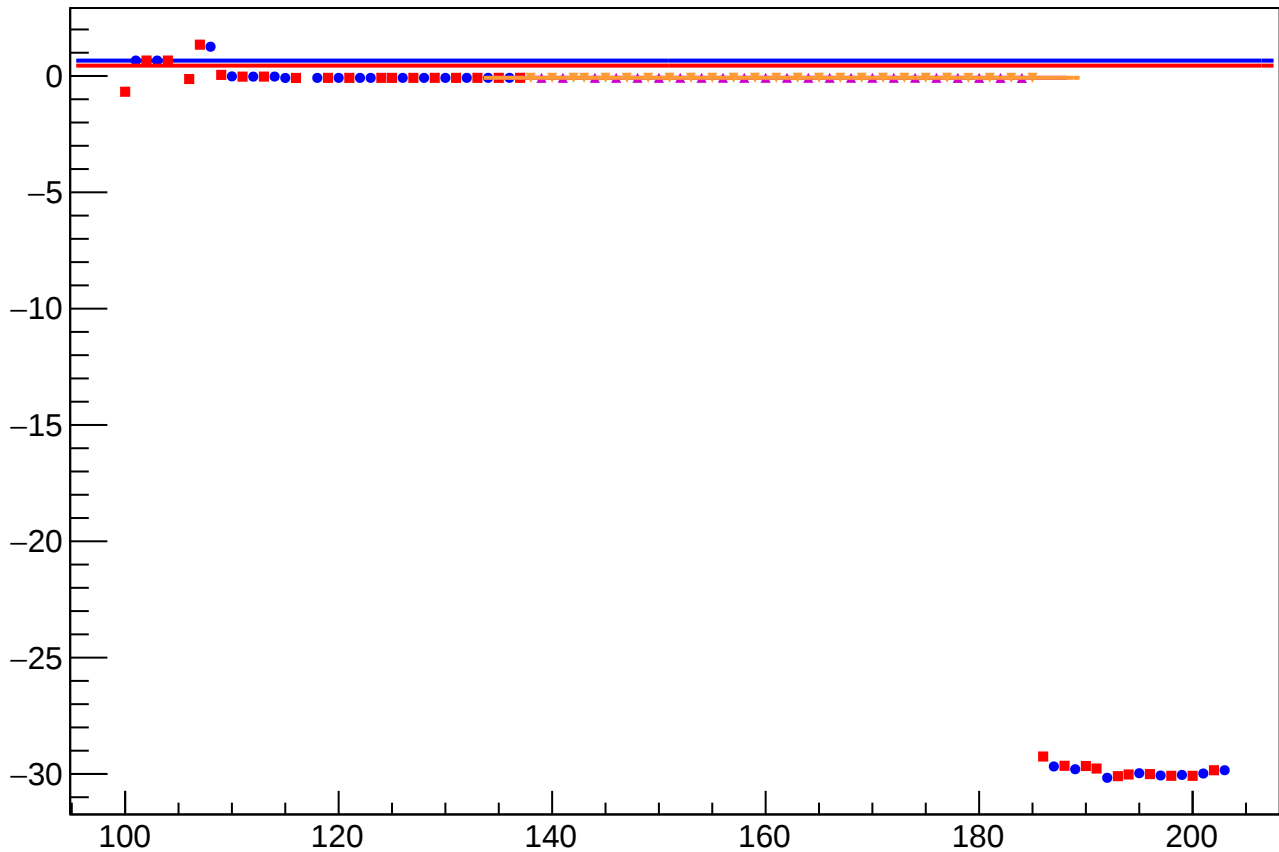
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 47963968.4/49

All: 0.000+/-0.000 χ^2/NDF : 96633398.2/101

- sign 0.000+/-0.000 χ^2/NDF : 48664616.9/51

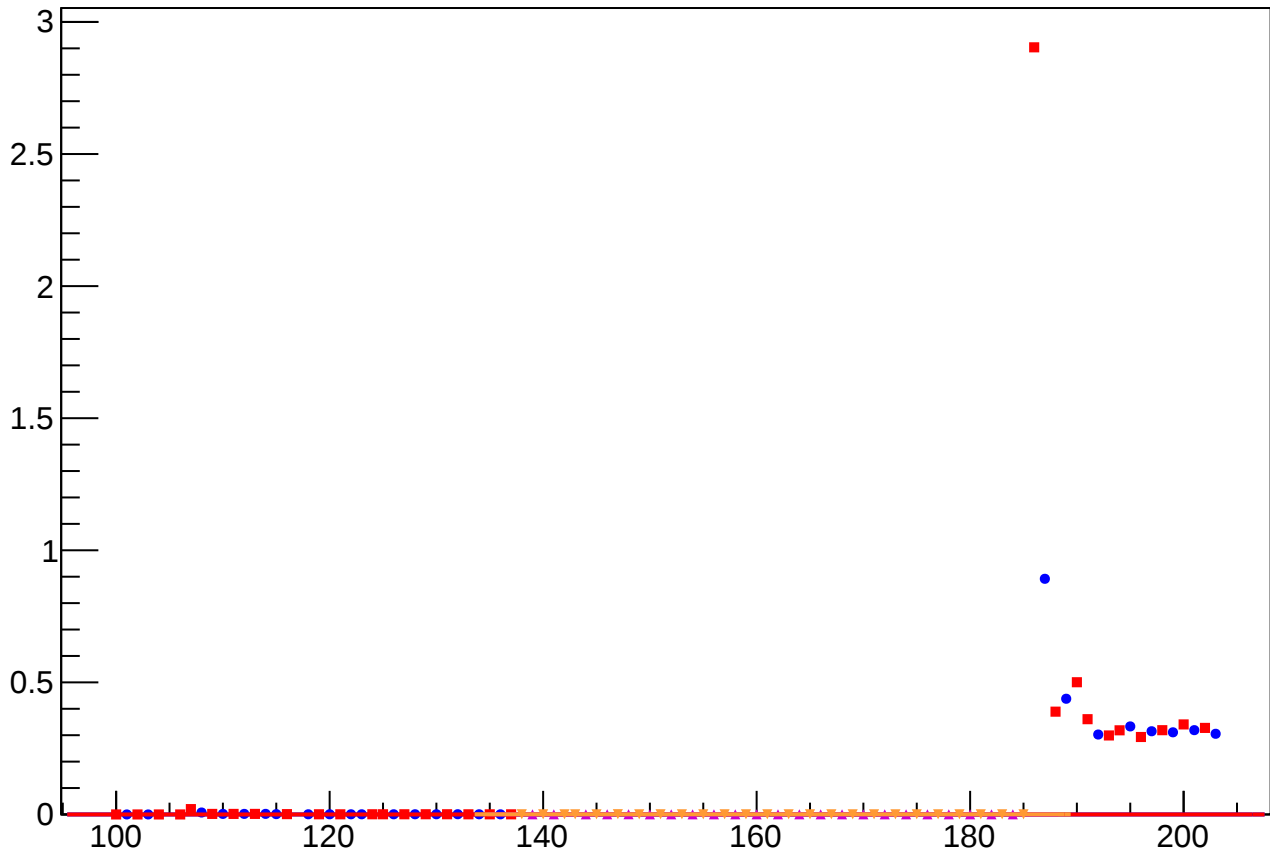
yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5705923328916.2/24
 Left Out: -0.078+/-0.000 χ^2/NDF : 156404795.7/24
 Right Out: 0.446+/-0.000 χ^2/NDF : 405477150424129.6/28
 Left In: -0.077+/-0.000 χ^2/NDF : 110762924.1/22

+ sign 0.646+/-0.000 χ^2/NDF : 35804702931012.0/4
 All: 0.537+/-0.000 χ^2/NDF : 51594075171663
 - sign 0.437+/-0.000 χ^2/NDF : 419599179020790.4/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 20524675.1/24

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21712970.7/28

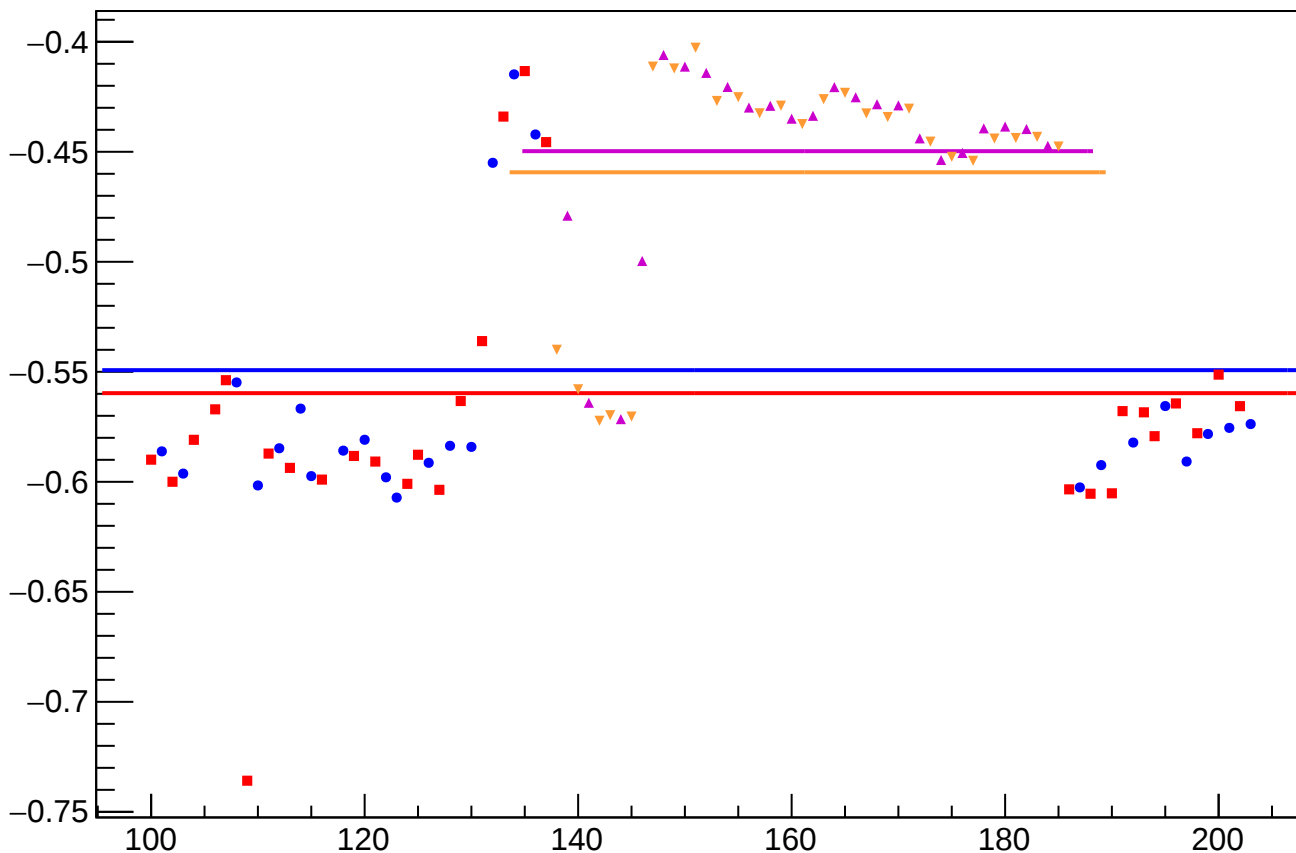
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 53078125.3/49

All: 0.000+/-0.000 χ^2/NDF : 105591731.1/100

- sign 0.000+/-0.000 χ^2/NDF : 52505775.9/51

yield_bpm4aX_mean vs Slug



Right In: -0.549 ± 0.000 $\chi^2/\text{NDF}: 47770362.5/24$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 113602161.0/24$

Right Out: -0.560 ± 0.000 $\chi^2/\text{NDF}: 65656900.9/28$

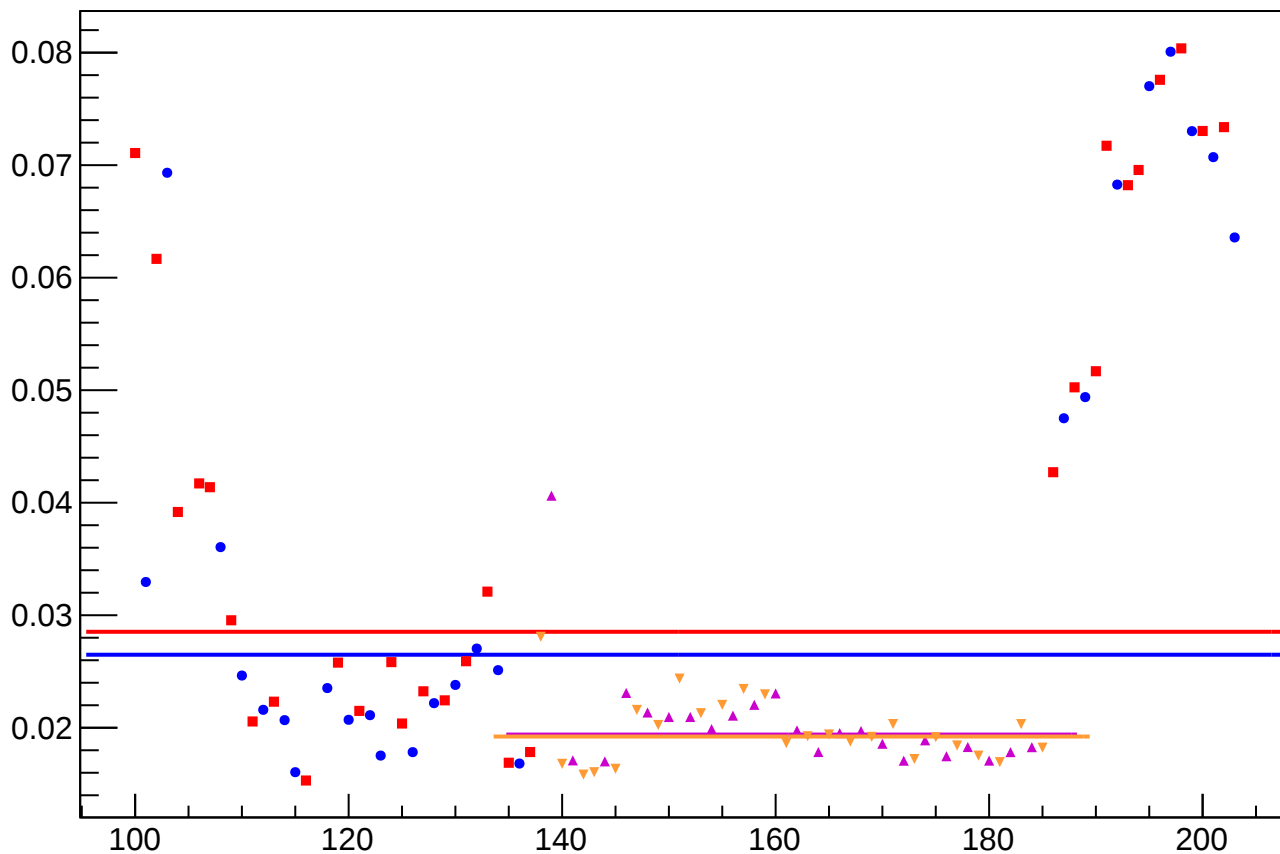
Left In: -0.450 ± 0.000 $\chi^2/\text{NDF}: 76117957.8/22$

+ sign -0.480 ± 0.000 $\chi^2/\text{NDF}: 234745097.1/49$

All: -0.478 ± 0.000 $\chi^2/\text{NDF}: 482078608.6/10$

- sign -0.475 ± 0.000 $\chi^2/\text{NDF}: 246906678.1/51$

yield_bpm4aX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 5418418.9/24

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:501711.6/24

Right Out: 0.029 $\pm$ 0.000 χ^2 /NDF: 5726389.9/28

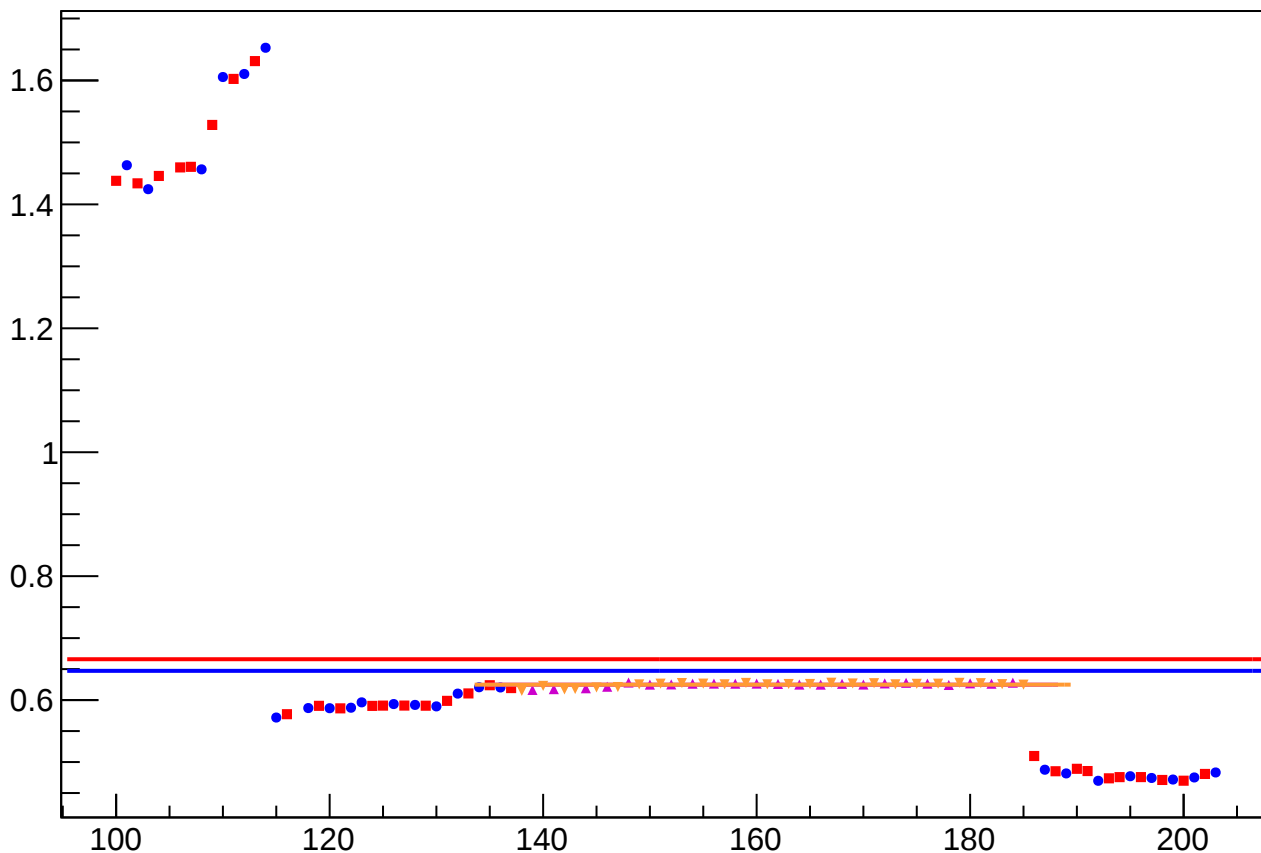
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:626443.5/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 6879112.7/49

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 14704987.1/101

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 7803170.3/51

yield_bpm4aY_mean vs Slug



Right In: 0.647 $\pm$ 0.000 χ^2 /NDF: 4841792181.3/24

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.666 $\pm$ 0.000 χ^2 /NDF: 5830911464.5/28

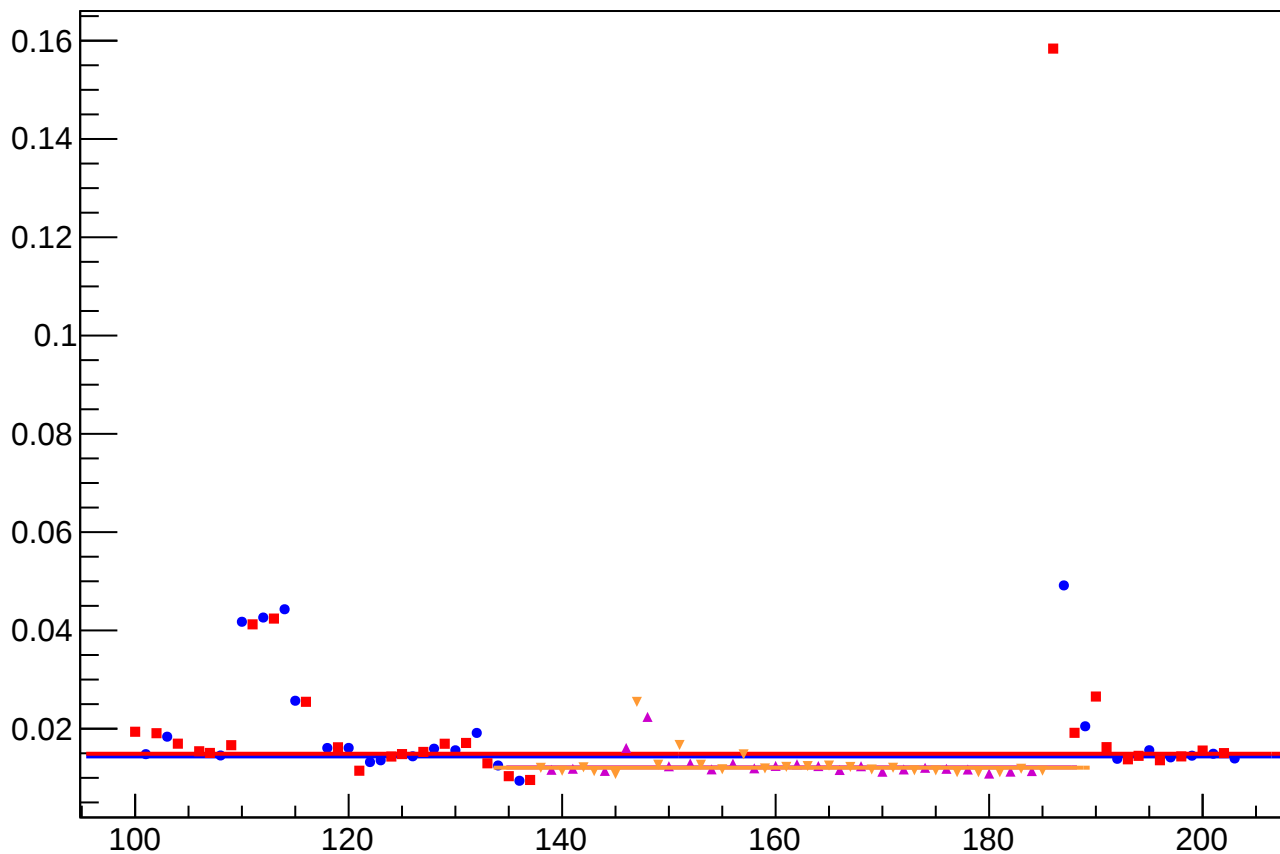
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.632 $\pm$ 0.000 χ^2 /NDF: 4861362607.5/49

All: 0.635 $\pm$ 0.000 χ^2 /NDF: 10757407390.9/100

- sign 0.638 $\pm$ 0.000 χ^2 /NDF: 5892764704.9/51

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1638303.2/24

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2077550.1/28

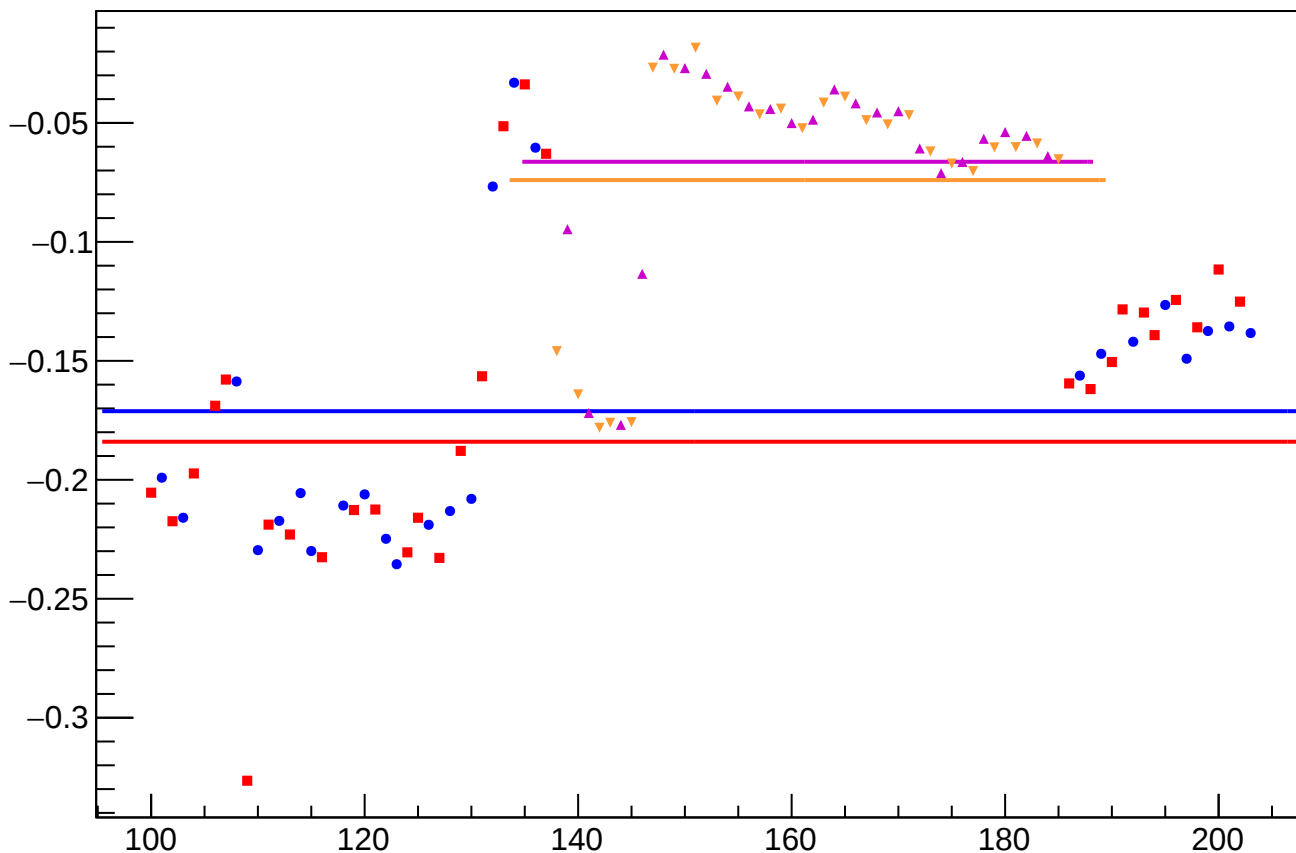
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2679992.2/49

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5807394.5/101

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3116757.5/51

yield_bpm4eX_mean vs Slug



Right In: -0.171 ± 0.000 χ^2/NDF : 68133868.8/24

Left Out: -0.074 ± 0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.184 ± 0.000 χ^2/NDF : 85678600.3/28

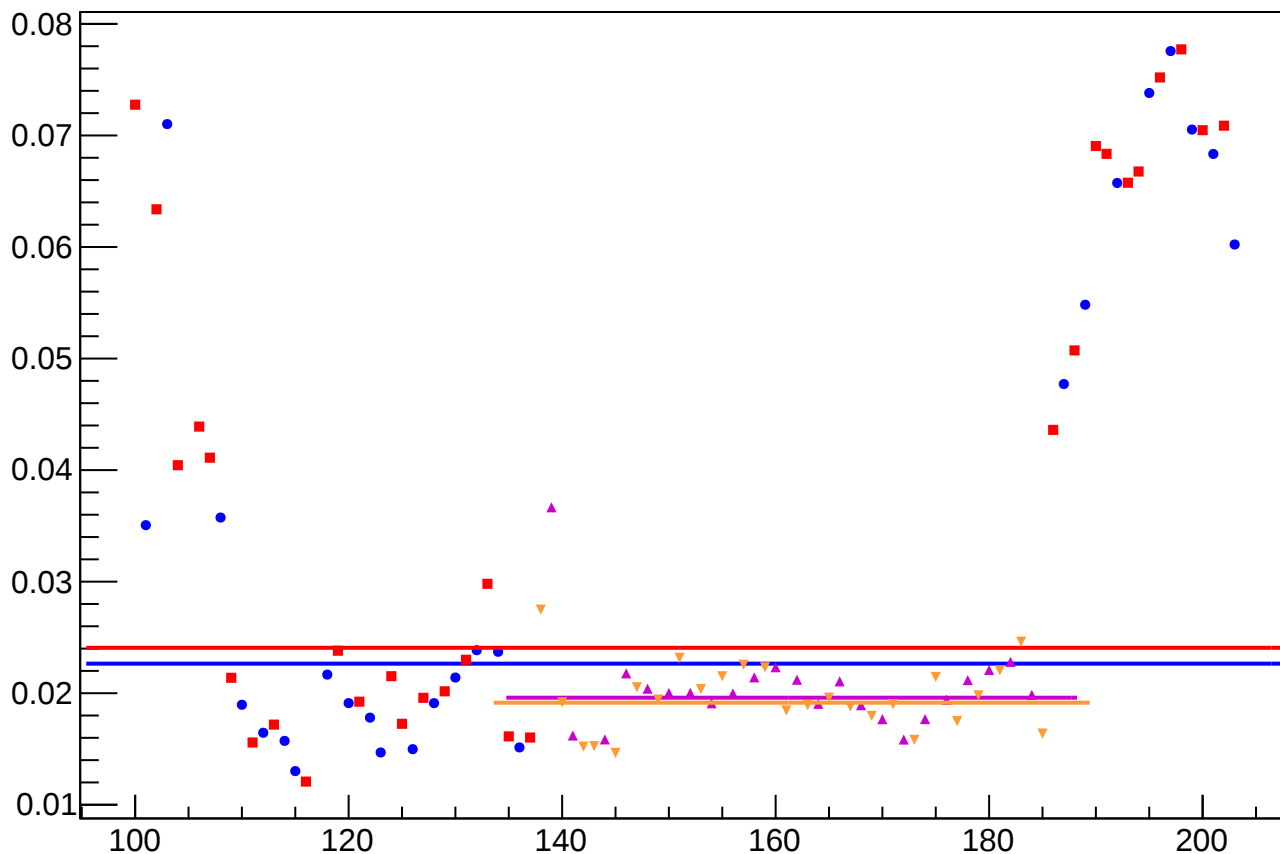
Left In: -0.066 ± 0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100 ± 0.000 χ^2/NDF : 280707759.7/49

All: -0.100 ± 0.000 χ^2/NDF : 590068463.9/10

- sign -0.100 ± 0.000 χ^2/NDF : 309359448.5/51

yield_bpm4eX_rms vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2/NDF : 6289471.5/24

Left Out: 0.019 $\pm$ 0.000 χ^2/NDF : 641277.0/24

Right Out: 0.024 $\pm$ 0.000 χ^2/NDF : 6954207.3/28

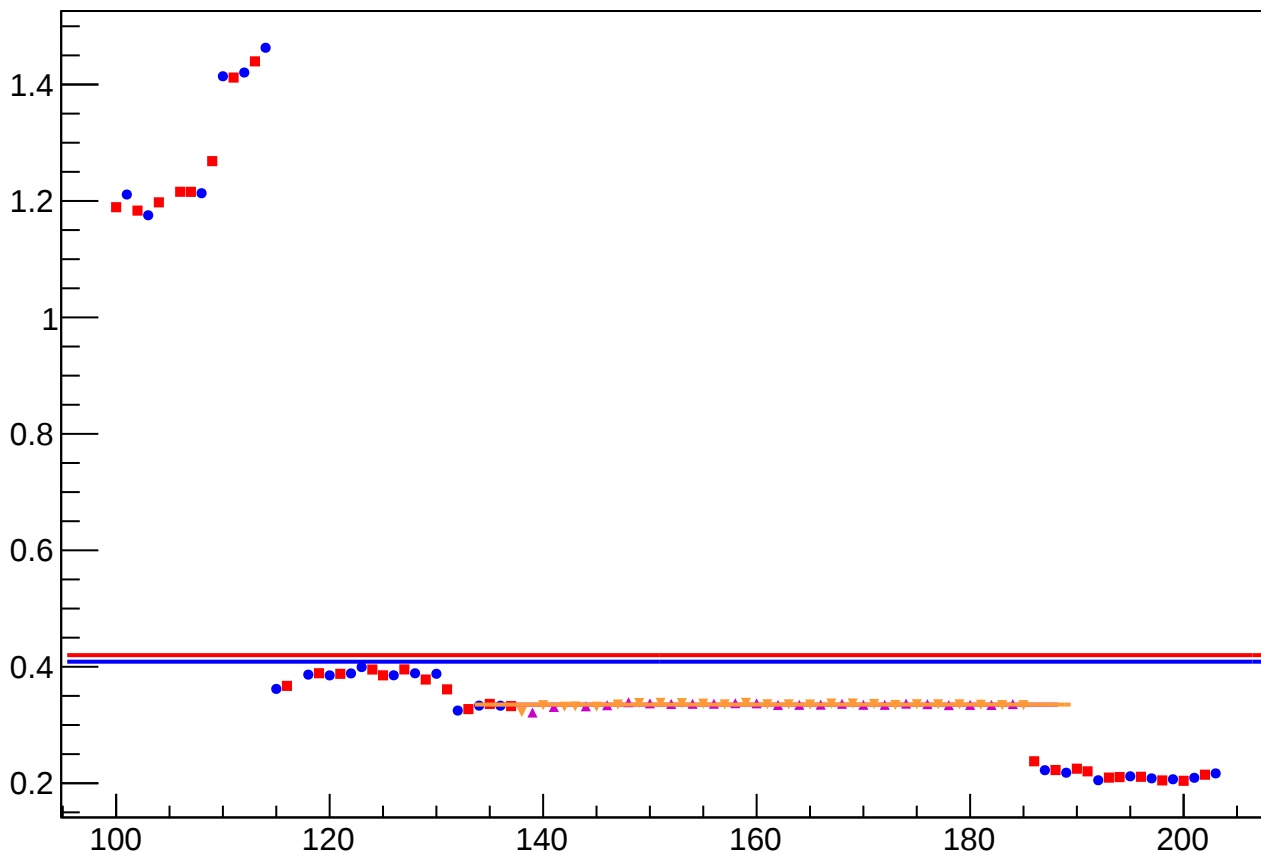
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 623148.2/22

+ sign 0.020 $\pm$ 0.000 χ^2/NDF : 7202942.5/49

All: 0.020 $\pm$ 0.000 χ^2/NDF : 15239930.1/101

- sign 0.021 $\pm$ 0.000 χ^2/NDF : 8003654.9/51

yield_bpm4eY_mean vs Slug



Right In: 0.409 $\pm$ 0.000 χ^2 /NDF: 7148554865.8/24

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1154310.3/24

Right Out: 0.420 $\pm$ 0.000 χ^2 /NDF: 8222363921.7/28

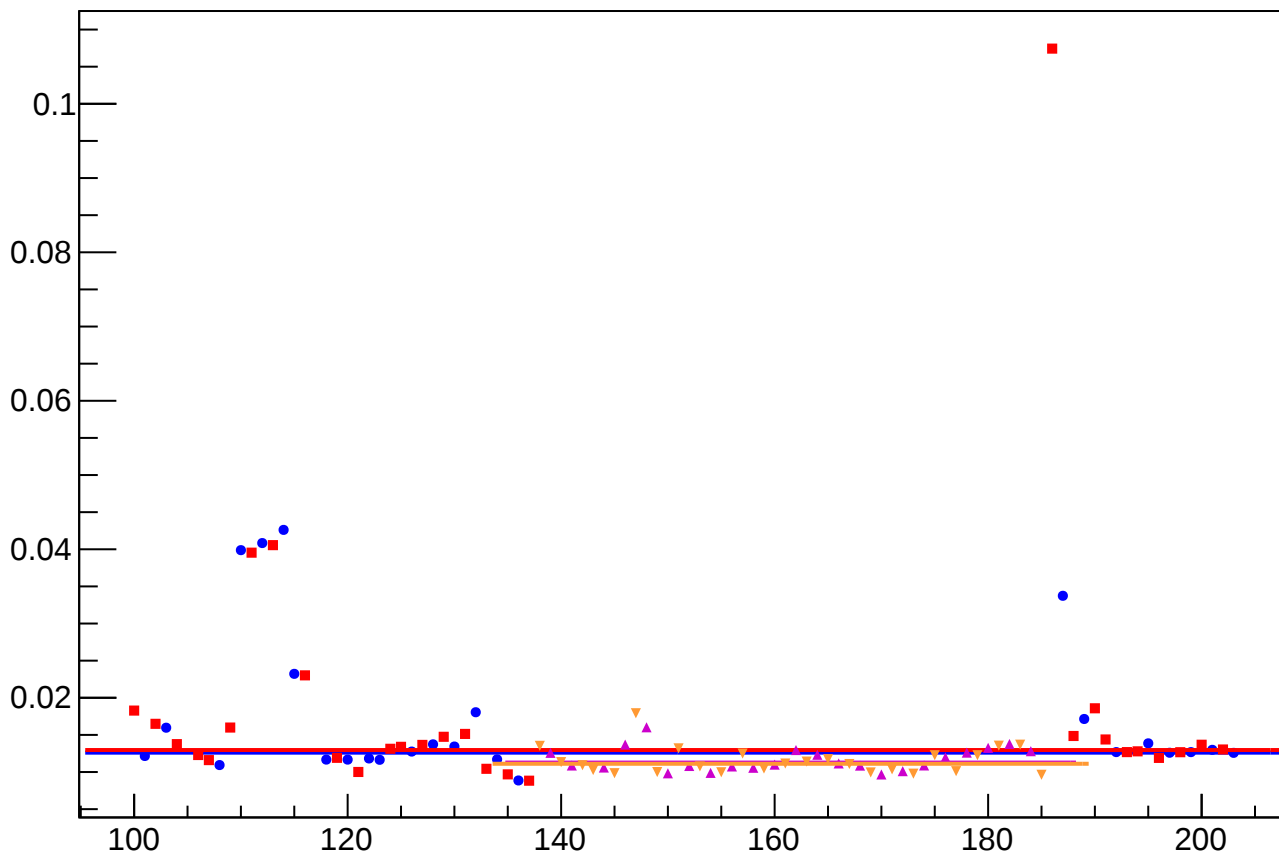
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

+ sign 0.359 $\pm$ 0.000 χ^2 /NDF: 7399142089.2/49

All: 0.362 $\pm$ 0.000 χ^2 /NDF: 15952450717.1/100

- sign 0.365 $\pm$ 0.000 χ^2 /NDF: 8550121321.3/51

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1508608.3/24

Left Out: 0.011+/-0.000 χ^2/NDF : 607532.0/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1937338.0/28

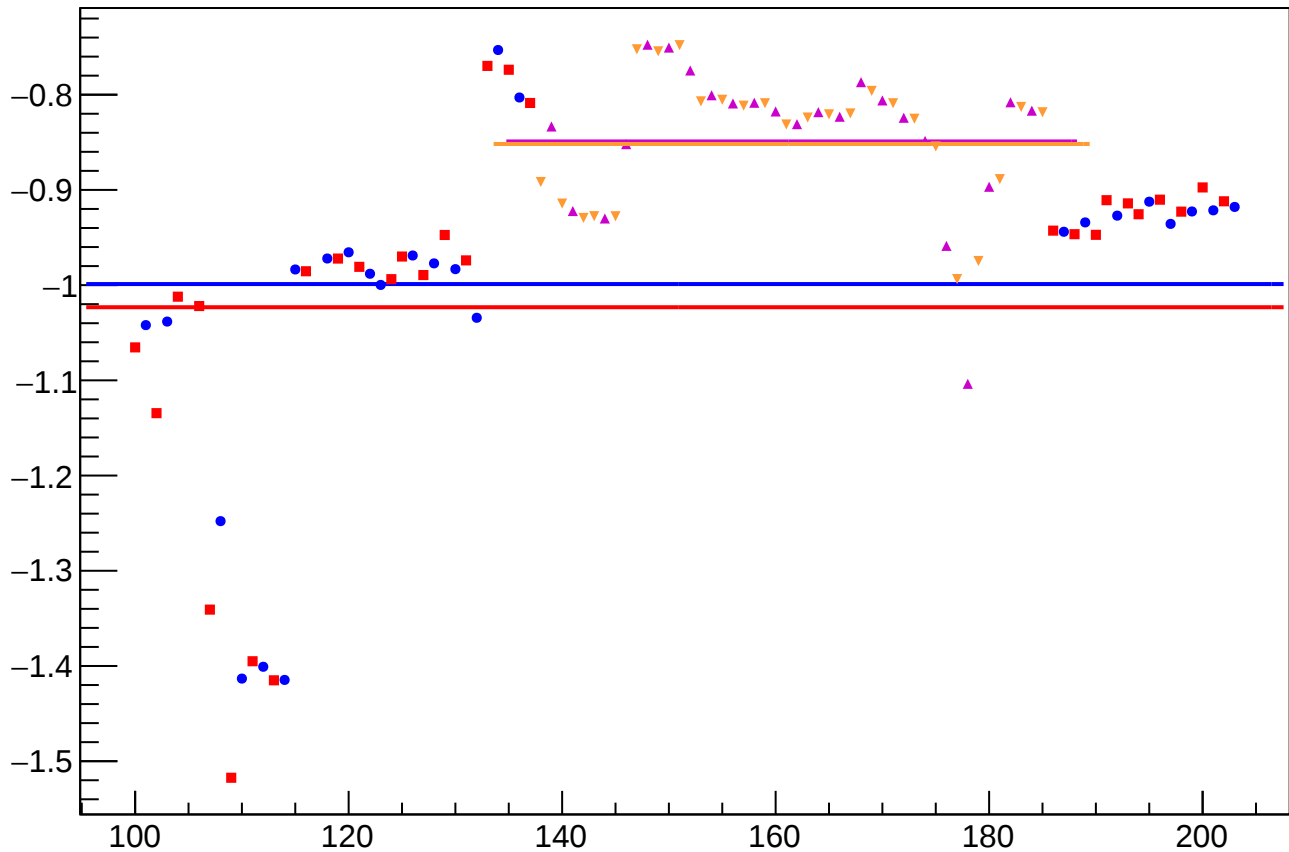
Left In: 0.011+/-0.000 χ^2/NDF : 502455.5/22

+ sign 0.012+/-0.000 χ^2/NDF : 2322358.2/49

All: 0.012+/-0.000 χ^2/NDF : 5034305.0/101

- sign 0.012+/-0.000 χ^2/NDF : 2697912.4/51

yield_bpm4acX_mean vs Slug



Right In: -0.999 ± 0.000 χ^2/NDF : 401175873.2/24

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.023 ± 0.000 χ^2/NDF : 553151659.3/28

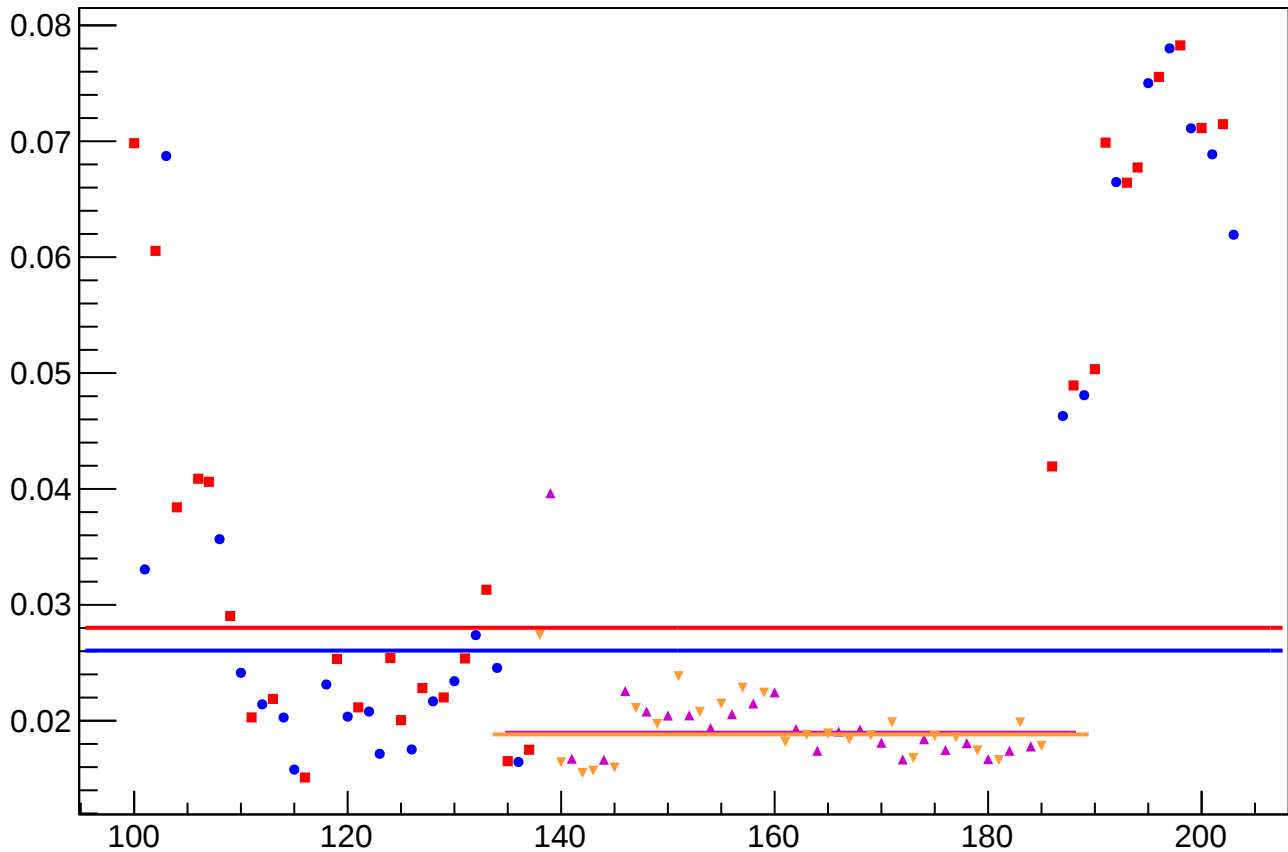
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.885 ± 0.000 χ^2/NDF : 793908537.1/49

All: -0.887 ± 0.000 χ^2/NDF : 1877990647.9/1

- sign -0.890 ± 0.000 χ^2/NDF : 1083474915.0/51

yield_bpm4acX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 5396925.3/24

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490509.4/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 5676213.5/28

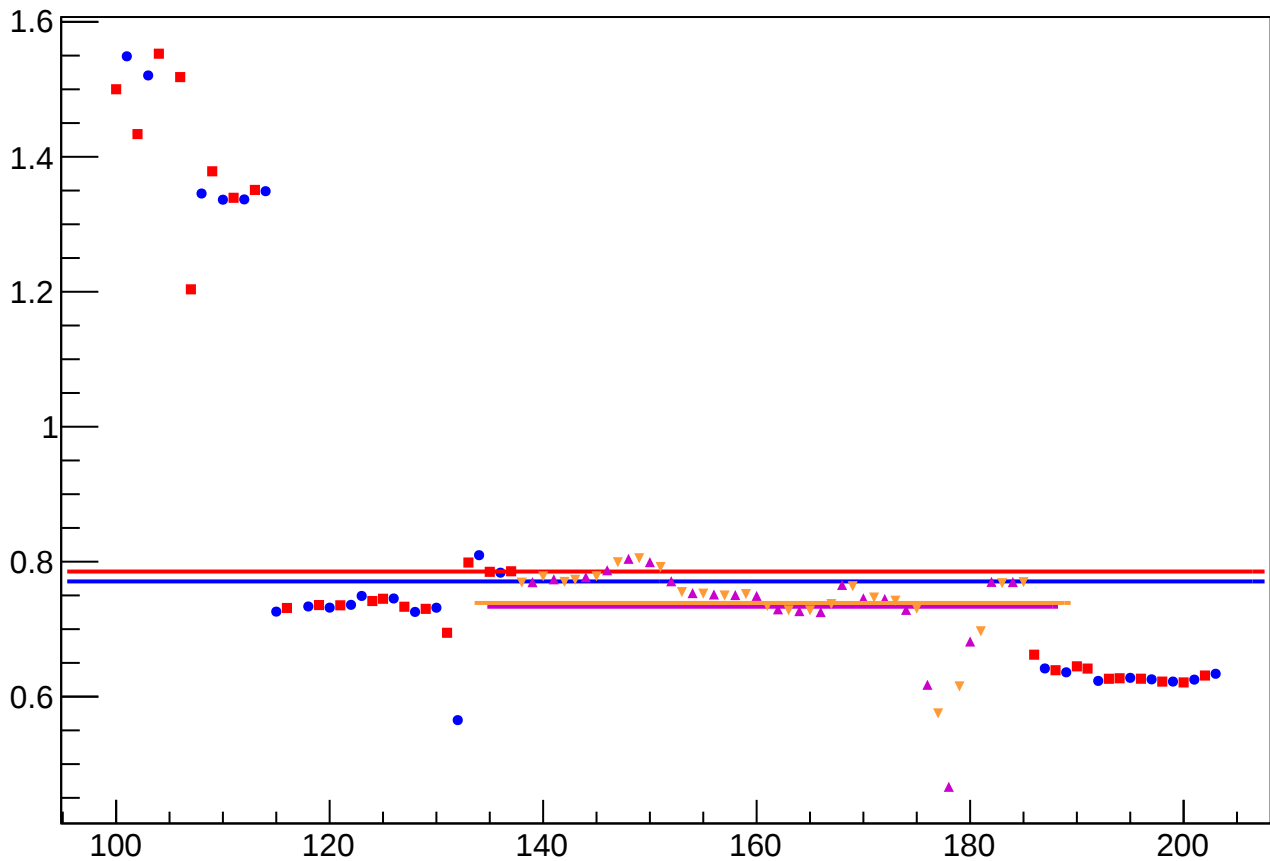
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:615173.8/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 6871085.5/49

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 14665349.5/101

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 7773677.8/51

yield_bpm4acY_mean vs Slug



Right In: 0.771 $\pm$ 0.000 χ^2 /NDF: 3314371564.7/24

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

+ sign 0.748 $\pm$ 0.000 χ^2 /NDF: 3683927672.9/49

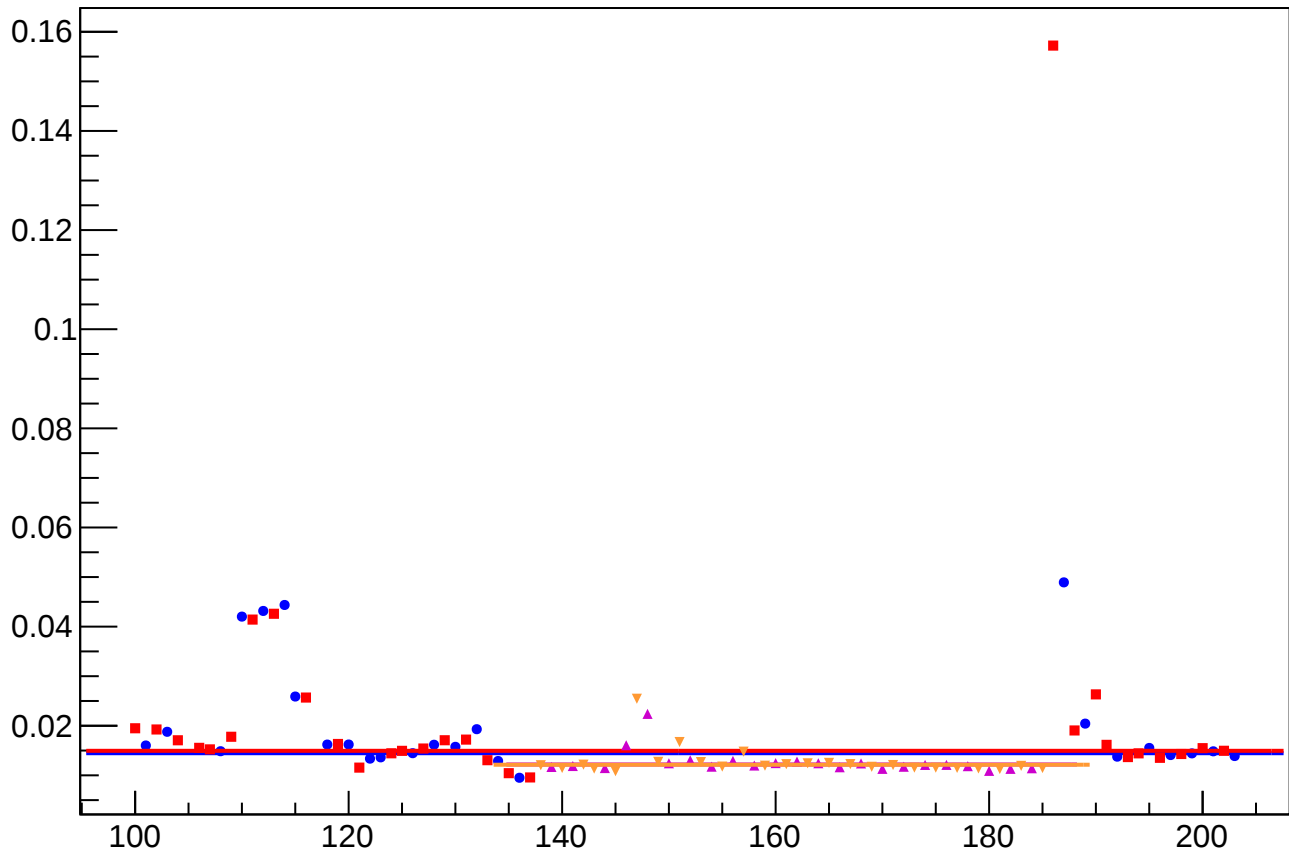
Right Out: 0.785 $\pm$ 0.000 χ^2 /NDF: 3608460142.2/28

All: 0.749 $\pm$ 0.000 χ^2 /NDF: 7959084642.4/10

- sign 0.750 $\pm$ 0.000 χ^2 /NDF: 4275008344.4/51

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1639469.9/24

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2080578.2/28

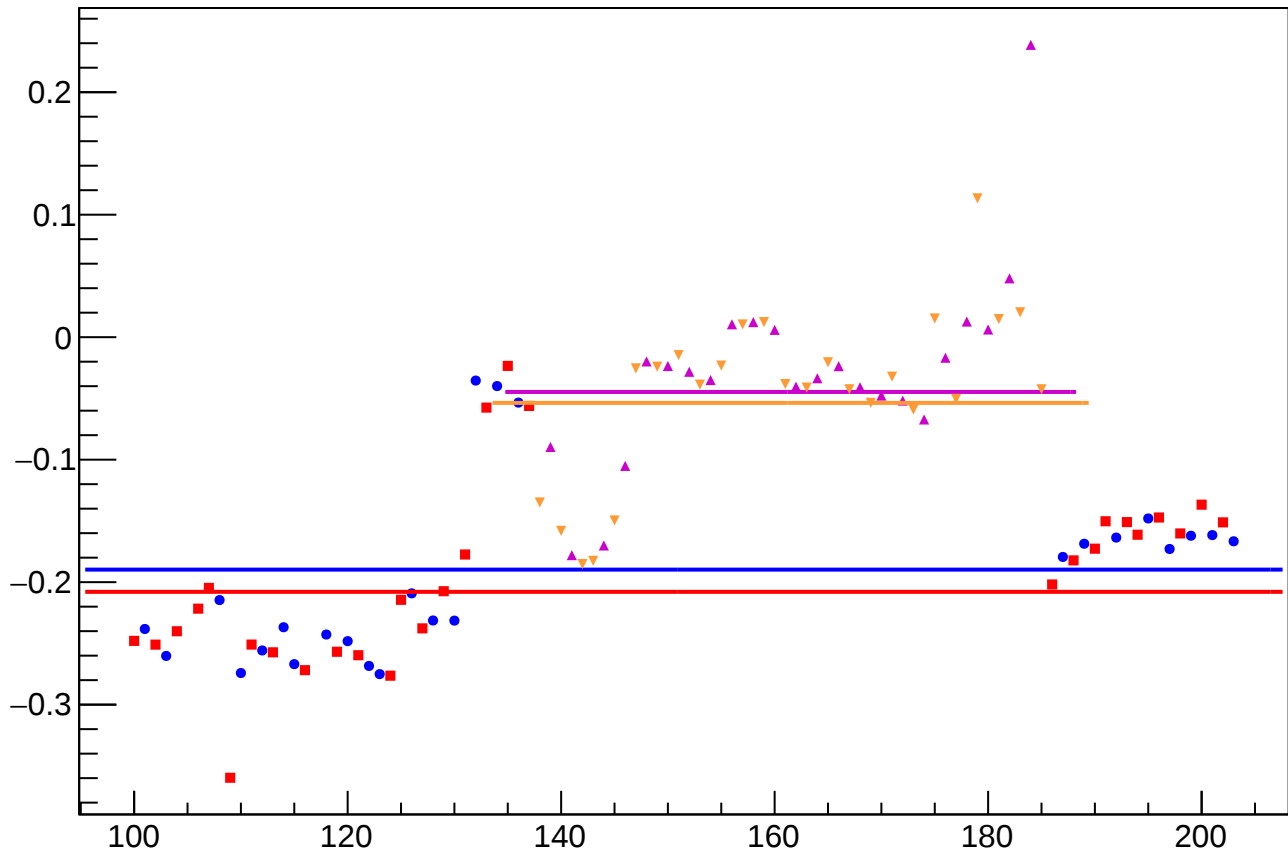
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2665428.2/49

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5777722.0/101

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3103642.3/51

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 χ^2/NDF : 107126656.7/24

Left Out: -0.054 ± 0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.208 ± 0.000 χ^2/NDF : 114145684.6/28

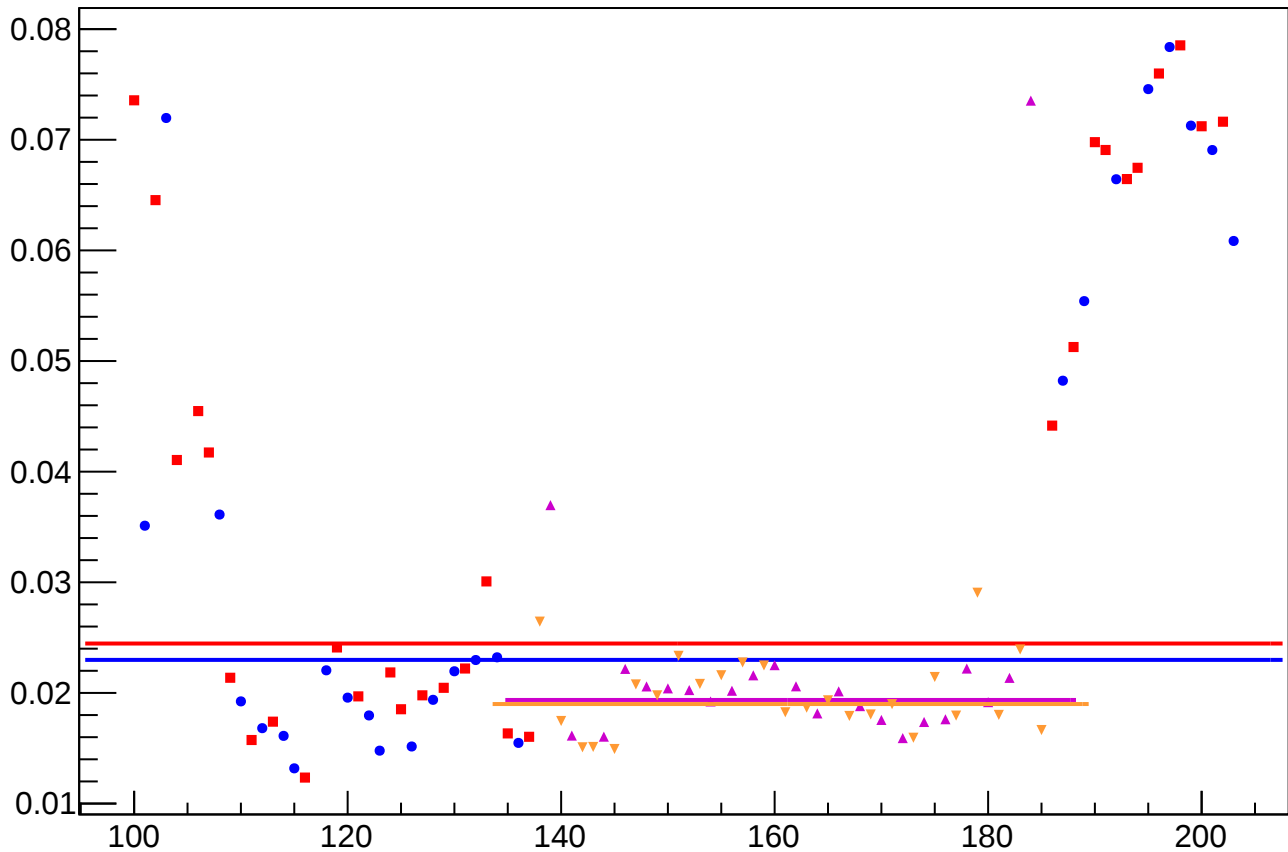
Left In: -0.045 ± 0.000 χ^2/NDF : 127192425.2/22

+ sign -0.090 ± 0.000 χ^2/NDF : 475986713.8/49

All: -0.090 ± 0.000 χ^2/NDF : 994095212.8/10

- sign -0.091 ± 0.000 χ^2/NDF : 518101890.2/51

yield_bpm4ecX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 6240965.6/24

Left Out: 0.019+/-0.000 χ^2/NDF : 700229.7/24

Right Out: 0.024+/-0.000 χ^2/NDF : 6915792.6/28

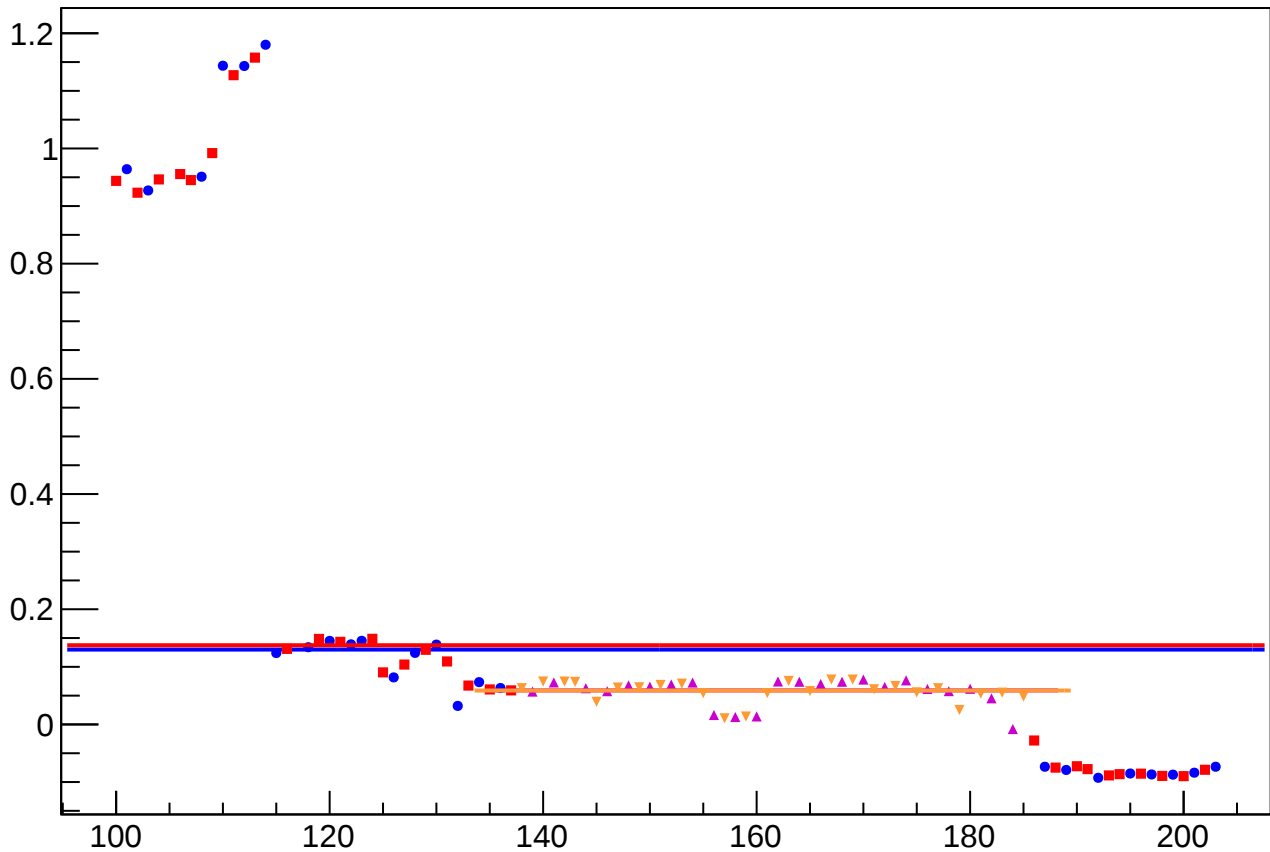
Left In: 0.019+/-0.000 χ^2/NDF : 858216.8/22

+ sign 0.020+/-0.000 χ^2/NDF : 7286798.7/49

All: 0.020+/-0.000 χ^2/NDF : 15630356.4/101

- sign 0.021+/-0.000 χ^2/NDF : 8314834.9/51

yield_bpm4ecY_mean vs Slug



Right In: 0.130 $\pm$ 0.000 χ^2 /NDF: 7691260215.5/24

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46821236.8/24

Right Out: 0.138 $\pm$ 0.000 χ^2 /NDF: 8645316240.6/28

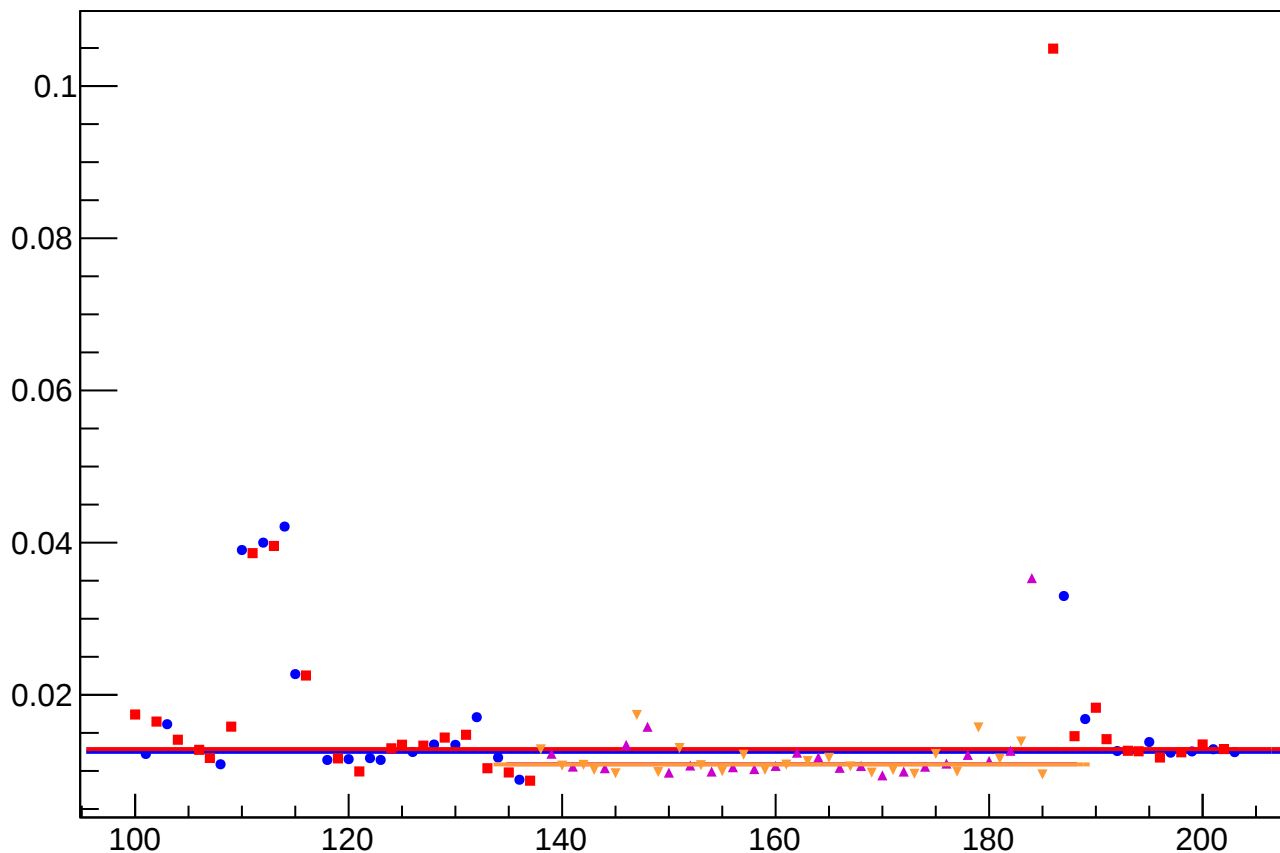
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

+ sign 0.082 $\pm$ 0.000 χ^2 /NDF: 7974787865.1/49

All: 0.084 $\pm$ 0.000 χ^2 /NDF: 16965459357.4/1

- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 8989082092.1/51

yield_bpm4ecY_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 1475207.3/24

Left Out: 0.011 ± 0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 1892924.2/28

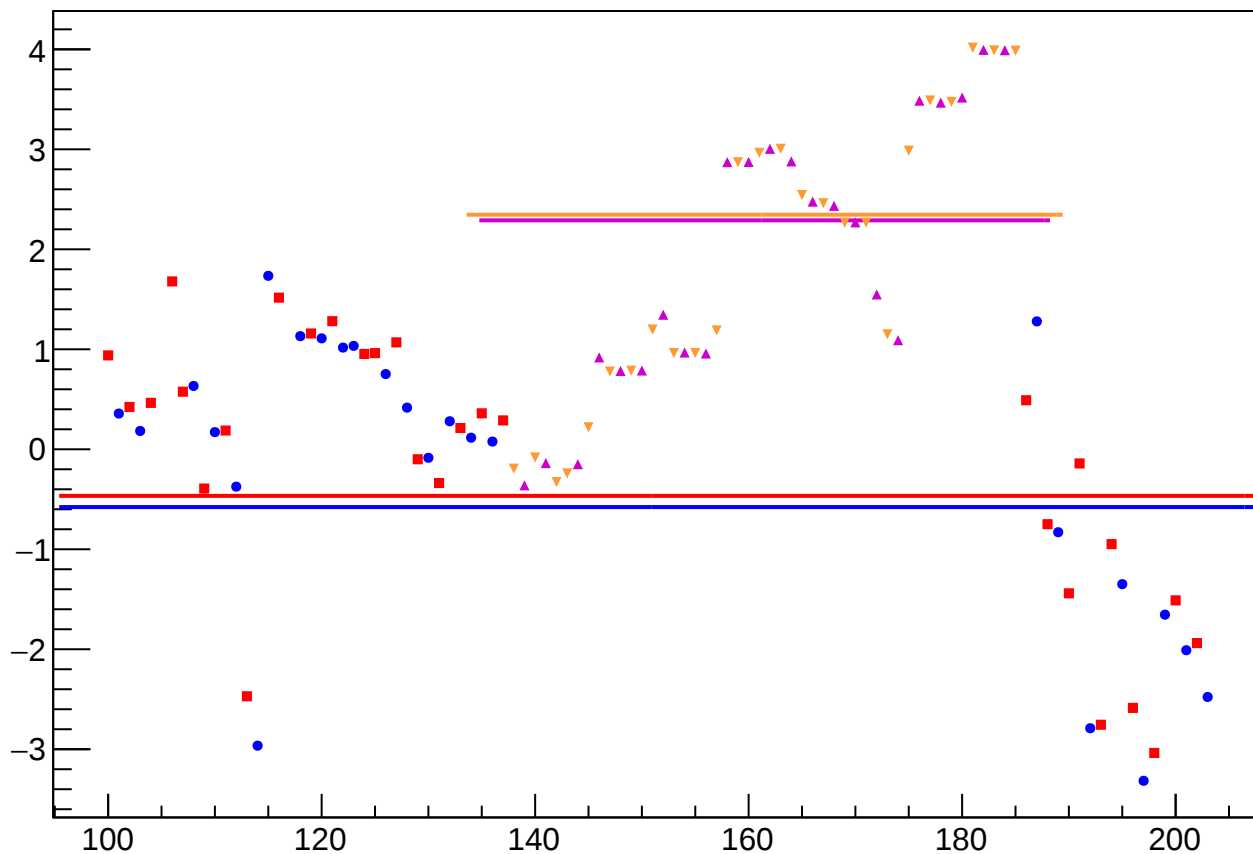
Left In: 0.011 ± 0.000 χ^2/NDF : 530077.5/22

+ sign 0.011 ± 0.000 χ^2/NDF : 2334735.0/49

All: 0.011 ± 0.000 χ^2/NDF : 5128077.9/101

- sign 0.012 ± 0.000 χ^2/NDF : 2787230.9/51

yield_bpm1X_mean vs Slug



Right In: -0.578 ± 0.000 $\chi^2/\text{NDF}: 5501126132.3/24$

Left Out: 2.346 ± 0.000 $\chi^2/\text{NDF}: 63481331015.4/24$

Right Out: -0.466 ± 0.000 $\chi^2/\text{NDF}: 5773299216.5/28$

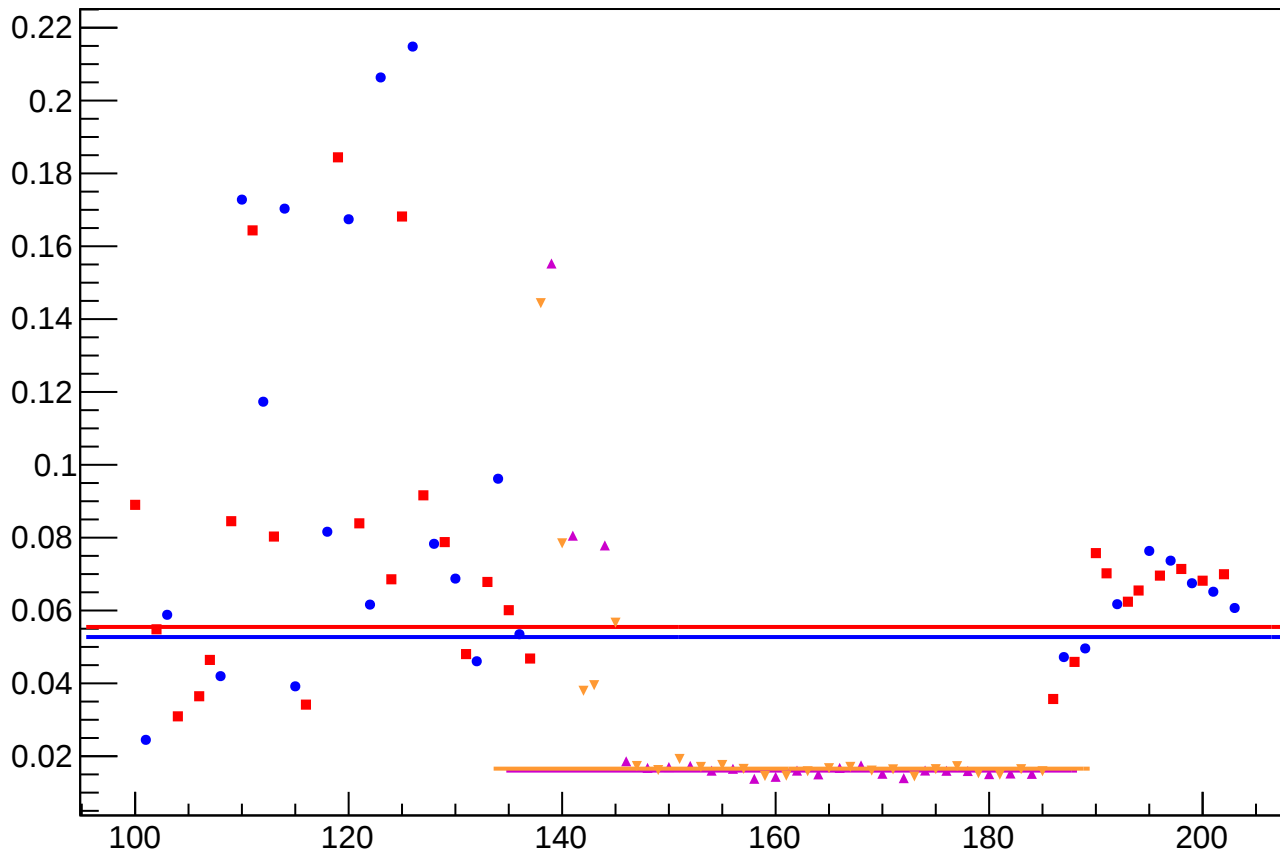
Left In: 2.290 ± 0.000 $\chi^2/\text{NDF}: 60875537647.3/22$

+ sign 2.182 ± 0.000 $\chi^2/\text{NDF}: 93358392773.0/49$

All: 2.156 ± 0.000 $\chi^2/\text{NDF}: 182896688321.6$

- sign 2.130 ± 0.000 $\chi^2/\text{NDF}: 89463233161.0/51$

yield_bpm1X_rms vs Slug



Right In: 0.053 $\pm$ 0.000 χ^2 /NDF: 3499758.3/24

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2835499.9/28

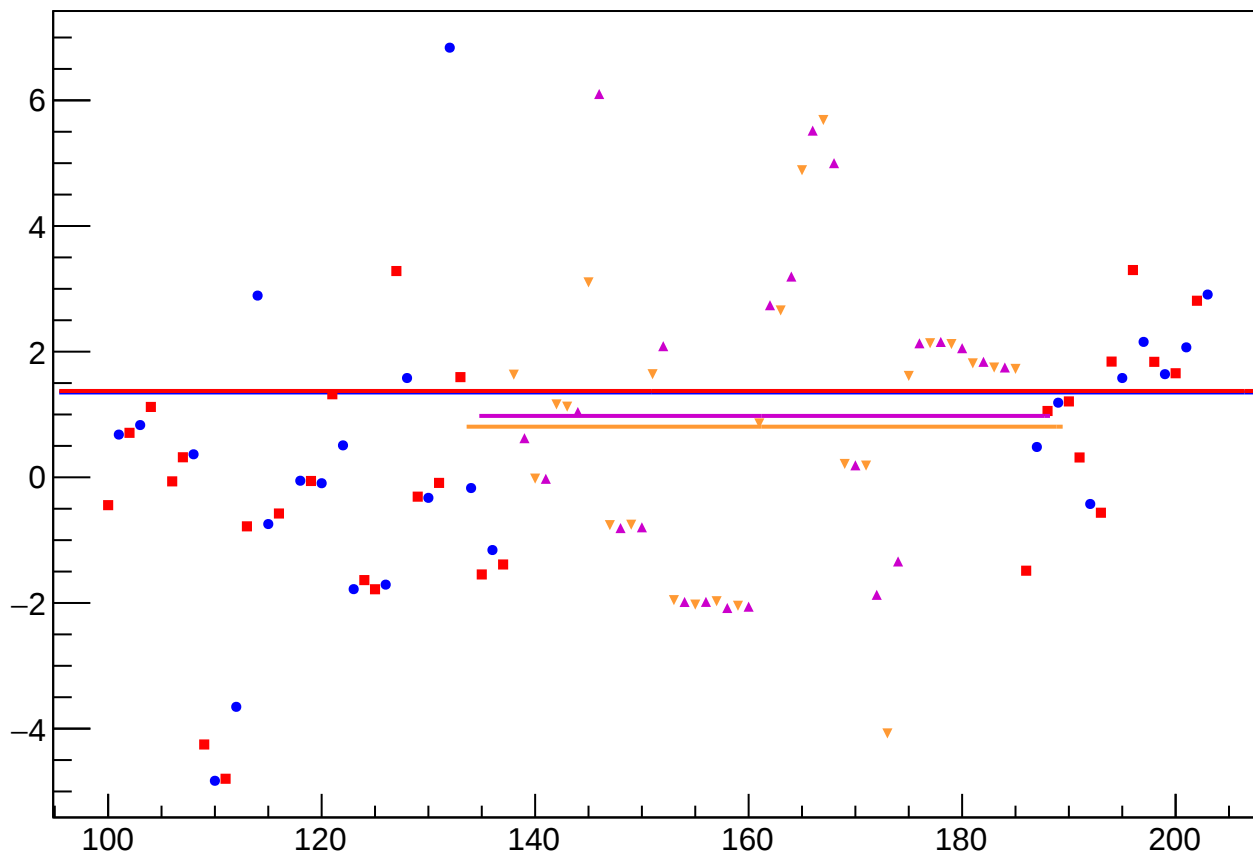
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 13564942.4/49

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 28145833.4/101

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 14576783.7/51

yield_bpm1Y_mean vs Slug



Right In: 1.350+/-0.000 χ^2/NDF : 26216645040.5/24

Left Out: 0.806+/-0.000 χ^2/NDF : 507578952196.2/24

Right Out: 1.374+/-0.000 χ^2/NDF : 26366229673.9/28

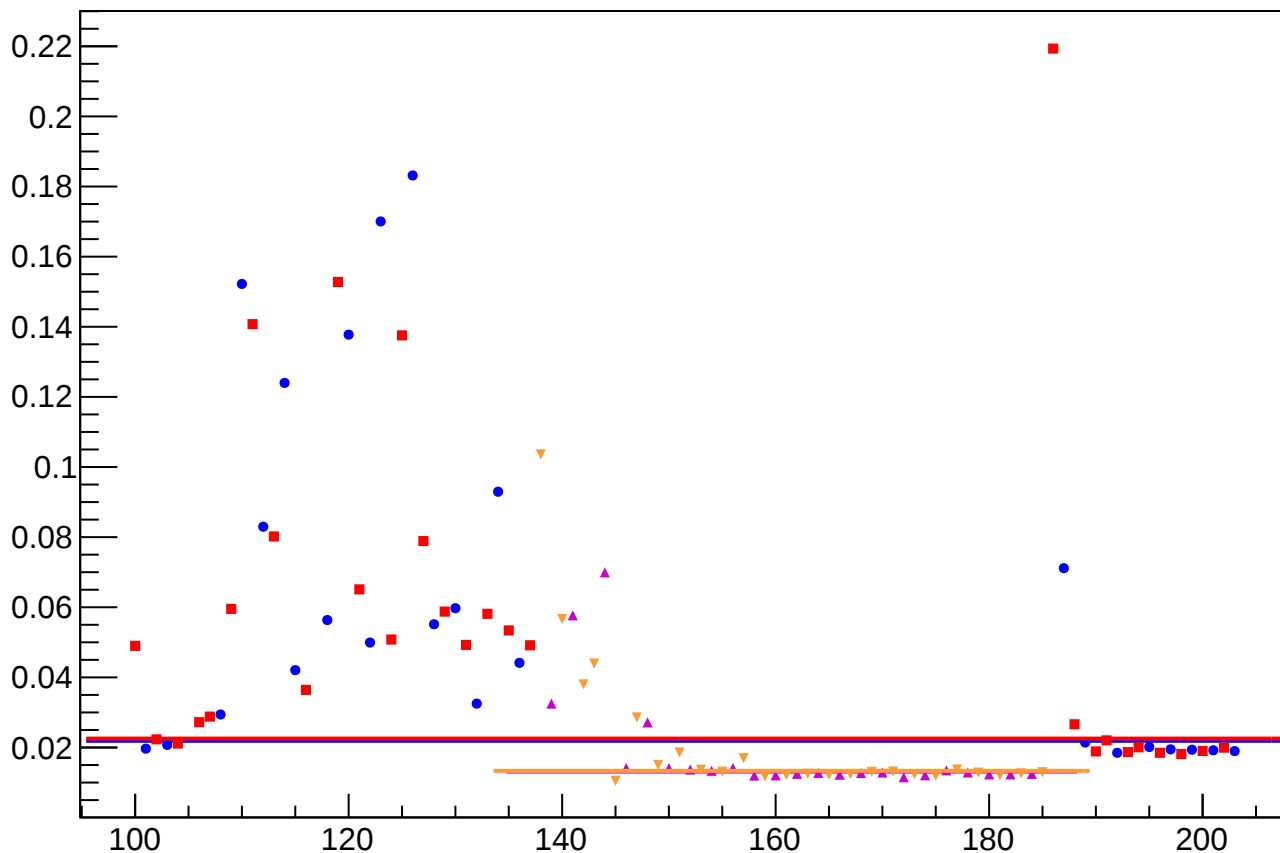
Left In: 0.977+/-0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.893+/-0.000 χ^2/NDF : 537821453406.6/49

All: 0.968+/-0.000 χ^2/NDF : 1135744575011.1

- sign 1.043+/-0.000 χ^2/NDF : 596786443150.2/51

yield_bpm1Y_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 3779533.9/24

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829753.9/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 4773325.2/28

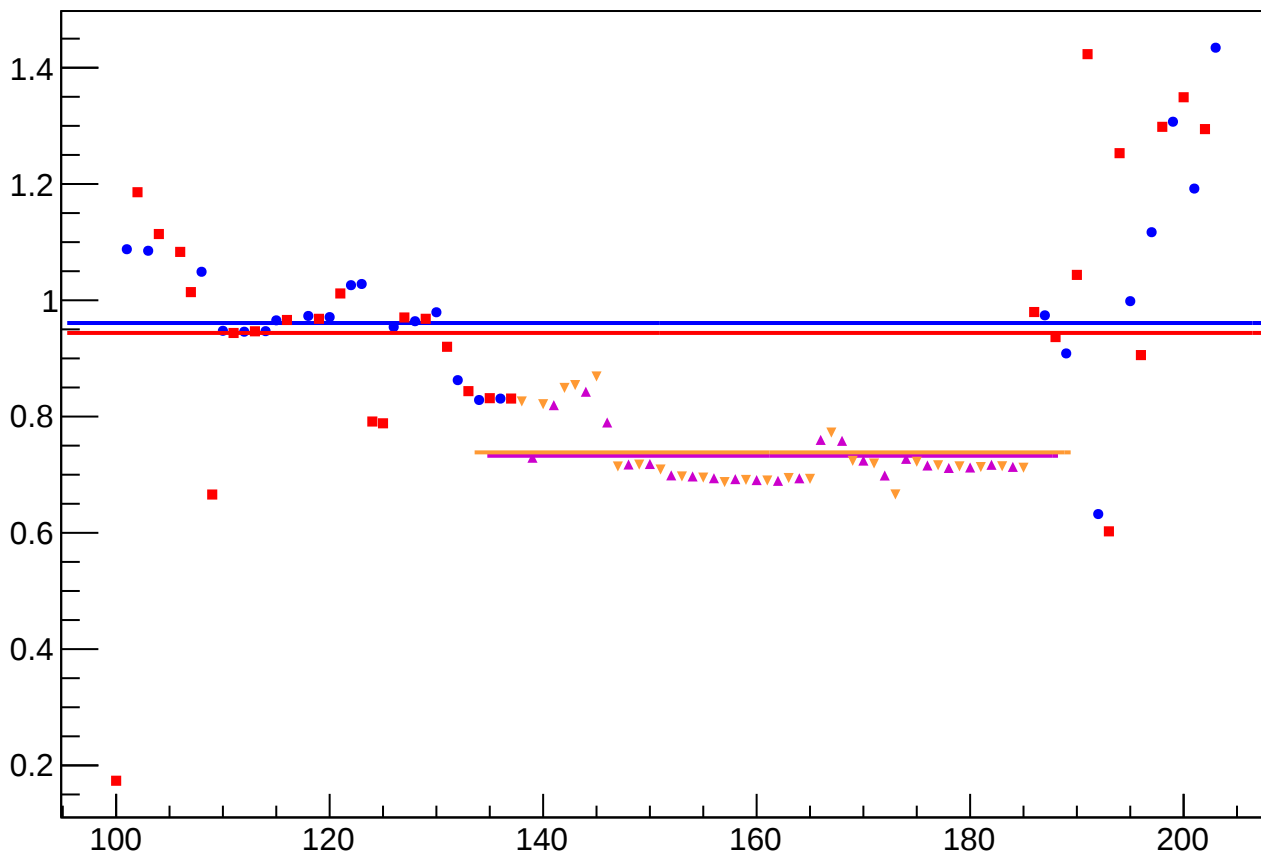
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1946693.6/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 8604346.4/49

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 17801522.7/101

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 9197117.8/51

yield_bpm11X_mean vs Slug



Right In: 0.961 $\pm$ 0.000 χ^2 /NDF: 565682635.0/24

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310195180.4/24

Right Out: 0.944 $\pm$ 0.000 χ^2 /NDF: 896458377.8/28

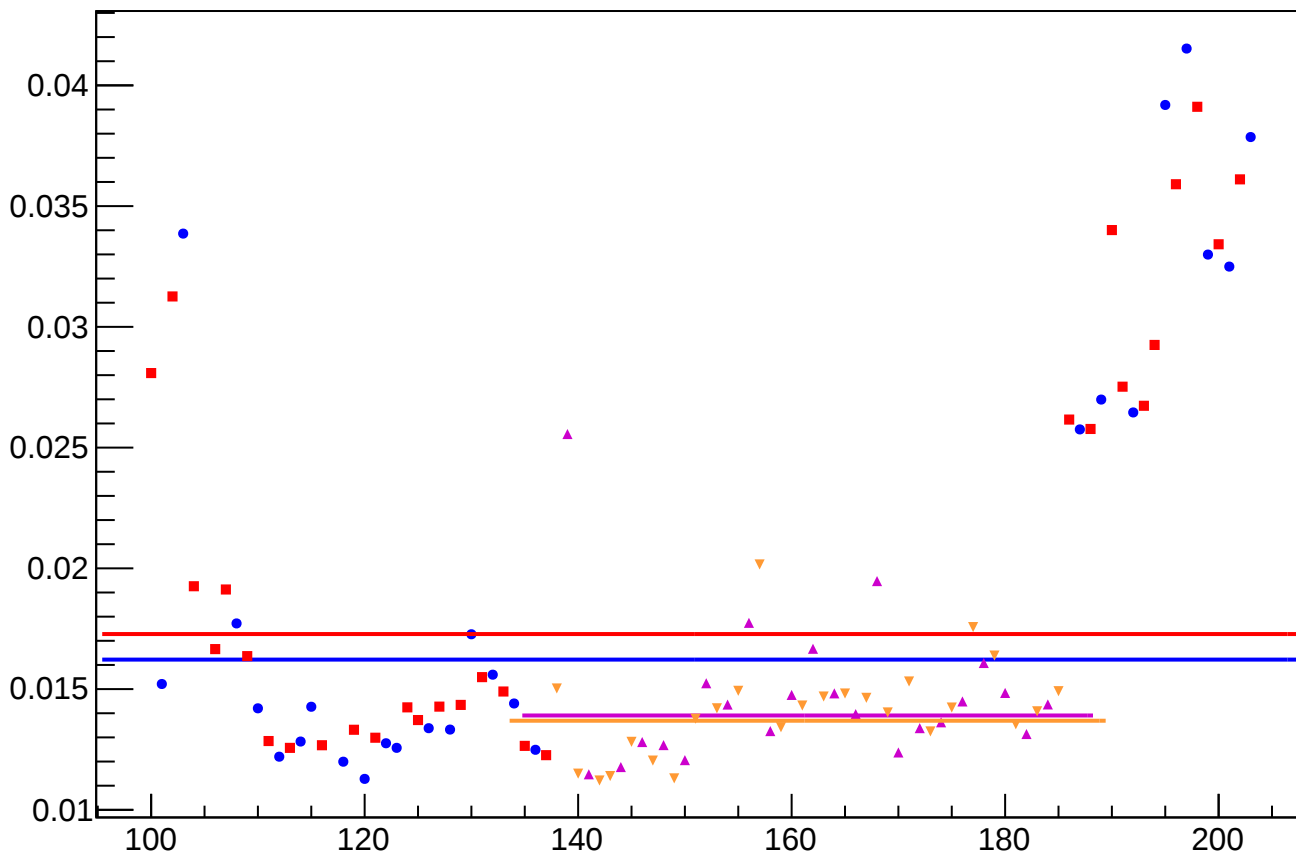
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.804 $\pm$ 0.000 χ^2 /NDF: 2127570261.2/49

All: 0.801 $\pm$ 0.000 χ^2 /NDF: 4297864912.6/10

- sign 0.798 $\pm$ 0.000 χ^2 /NDF: 2168377856.7/51

yield_bpm11X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 3642064.3/24

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:528480.6/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 3418807.9/28

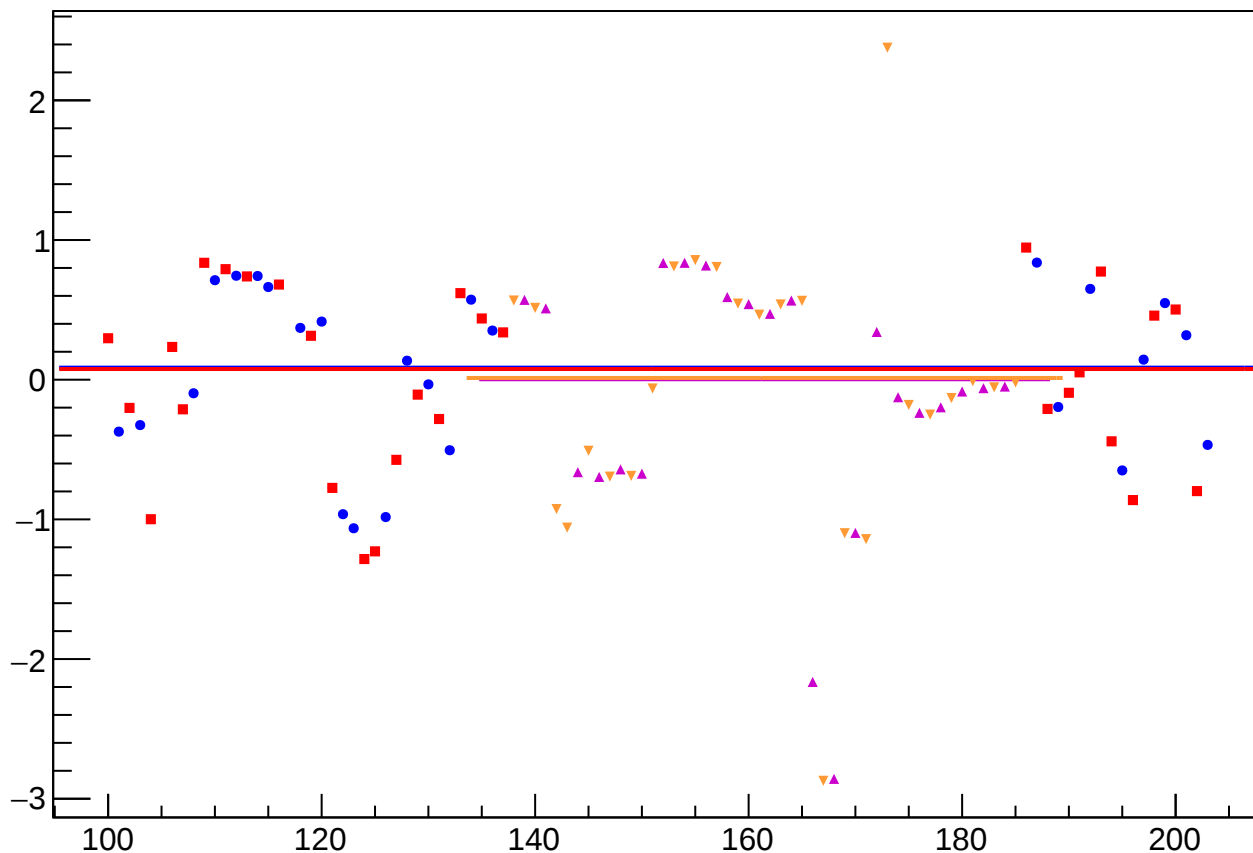
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:768161.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 4494456.6/49

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 9274750.6/101

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 4748386.2/51

yield_bpm11Y_mean vs Slug



Right In: 0.086+/-0.000 χ^2/NDF : 15805978425.2/24

Left Out: 0.012+/-0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.076+/-0.000 χ^2/NDF : 26895700888.7/28

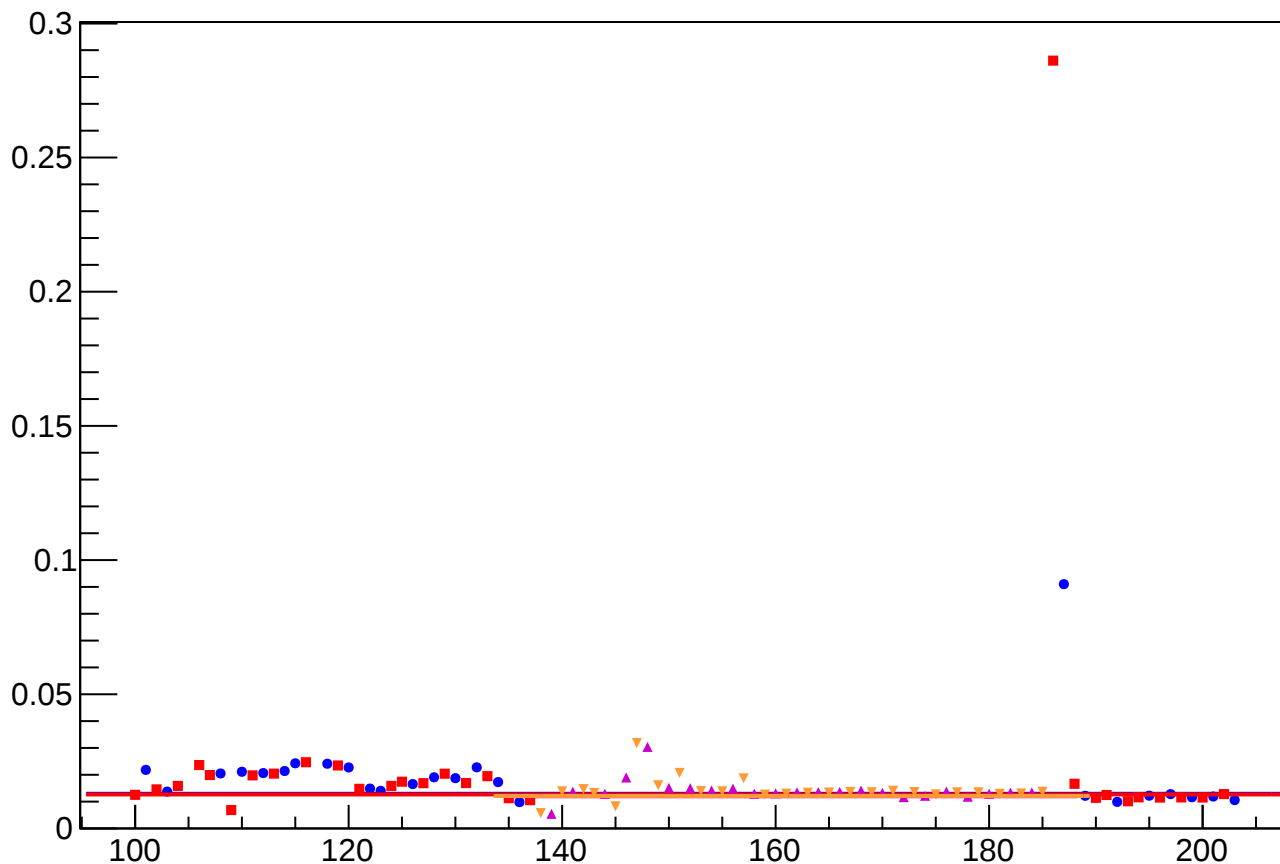
Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.039+/-0.000 χ^2/NDF : 112404138736.1/49

All: 0.035+/-0.000 χ^2/NDF : 218351607054.7

- sign 0.032+/-0.000 χ^2/NDF : 105943386270.3/51

yield_bpm11Y_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1940730.7/24

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2516615.6/28

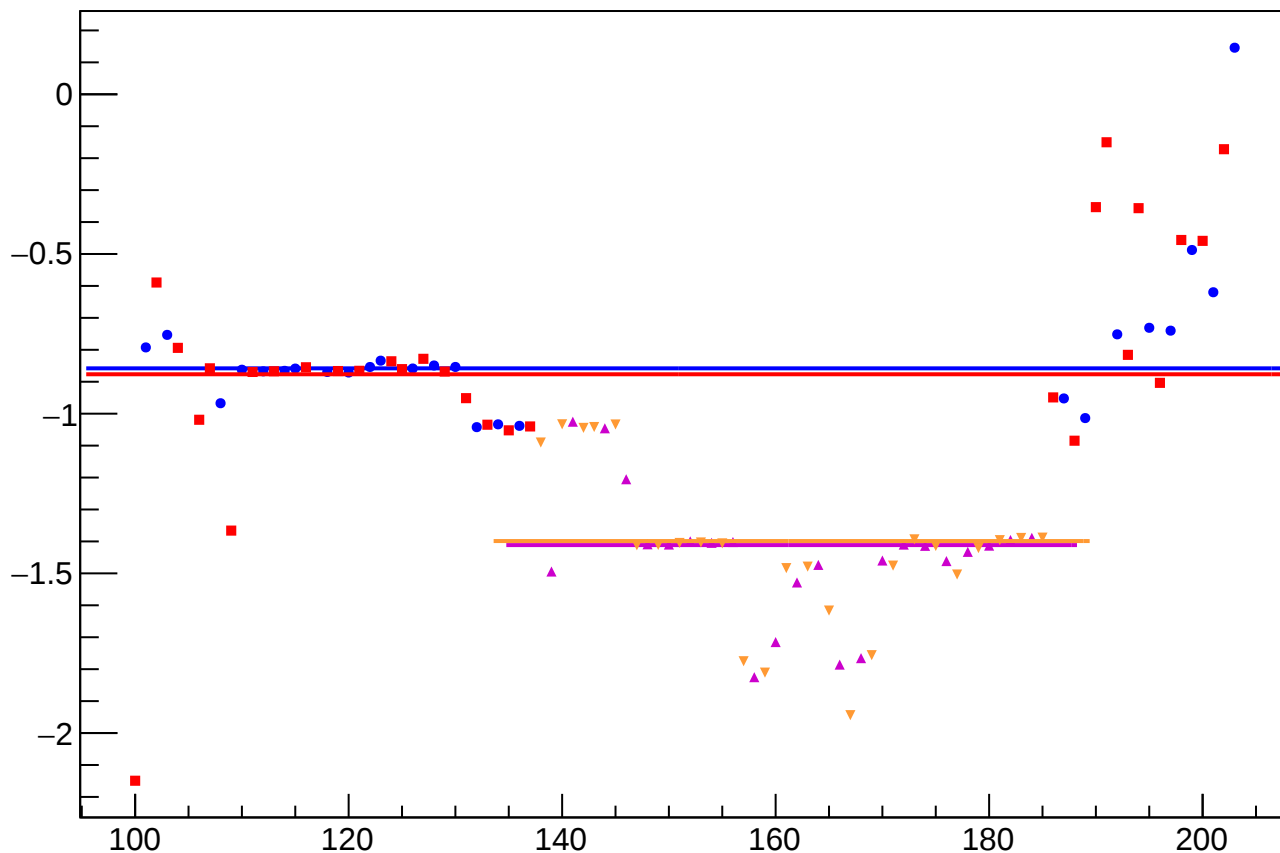
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5097035.6/49

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10657388.2/101

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5557262.1/51

yield_bpm12X_mean vs Slug



Right In: -0.858 ± 0.000 χ^2/NDF : 169924723.8/24

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.877 ± 0.000 χ^2/NDF : 316838982.1/28

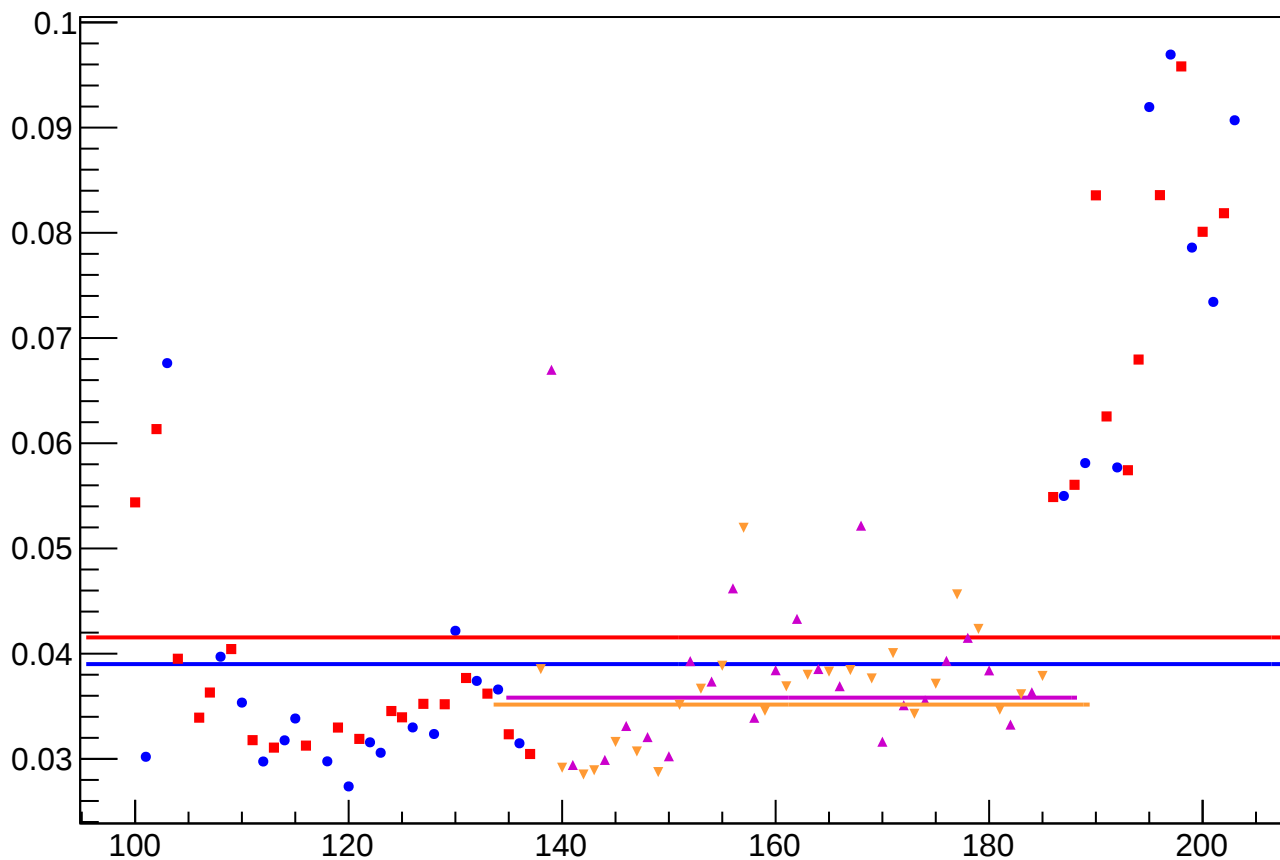
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.222 ± 0.000 χ^2/NDF : 2149380245.1/49

All: -1.224 ± 0.000 χ^2/NDF : 4157958693.7/1

- sign -1.226 ± 0.000 χ^2/NDF : 2008388847.8/51

yield_bpm12X_rms vs Slug



Right In: 0.039 $\pm$ 0.000 χ^2 /NDF: 3277770.8/24

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:595219.5/24

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 2904402.7/28

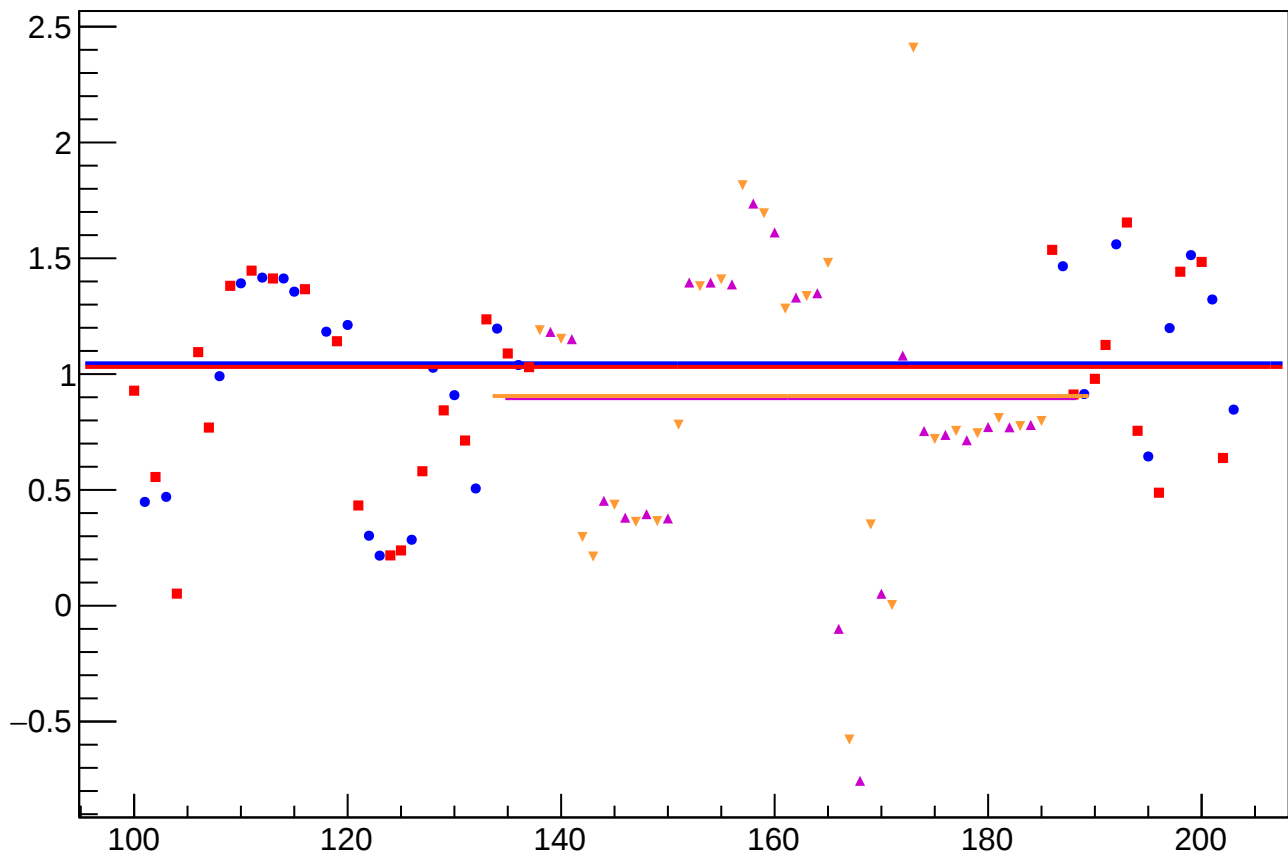
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:864147.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 3998674.9/49

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 8073139.3/101

- sign 0.038 $\pm$ 0.000 χ^2 /NDF: 4038734.4/51

yield_bpm12Y_mean vs Slug



Right In: 1.046 $\pm$ 0.000 χ^2 /NDF: 18926859945.2/24

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.031 $\pm$ 0.000 χ^2 /NDF: 24887085783.5/28

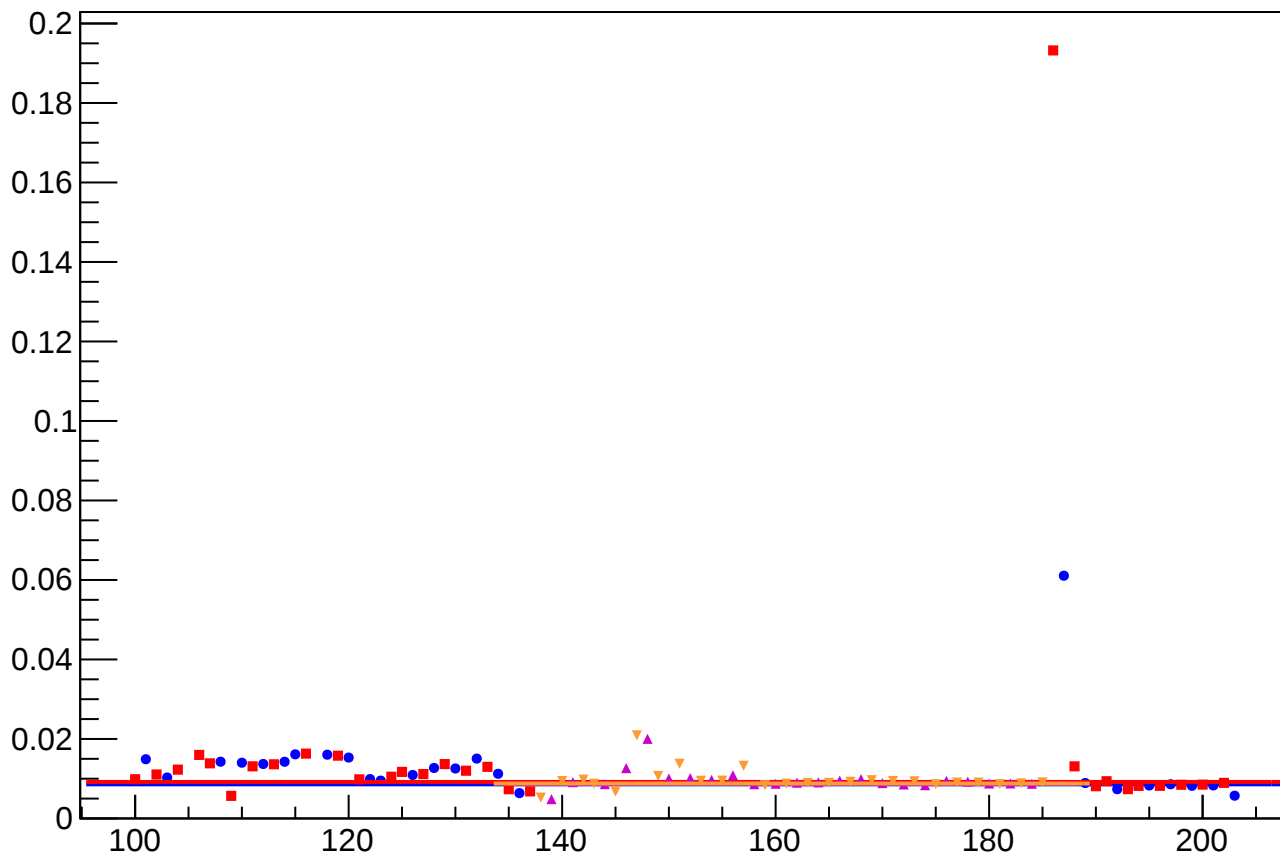
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.960 $\pm$ 0.000 χ^2 /NDF: 104884653050.2/49

All: 0.955 $\pm$ 0.000 χ^2 /NDF: 197854085526.0

- sign 0.949 $\pm$ 0.000 χ^2 /NDF: 92949600113.9/51

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2167322.1/24

Left Out: 0.009+/-0.000 χ^2/NDF :1697568.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2182224.1/28

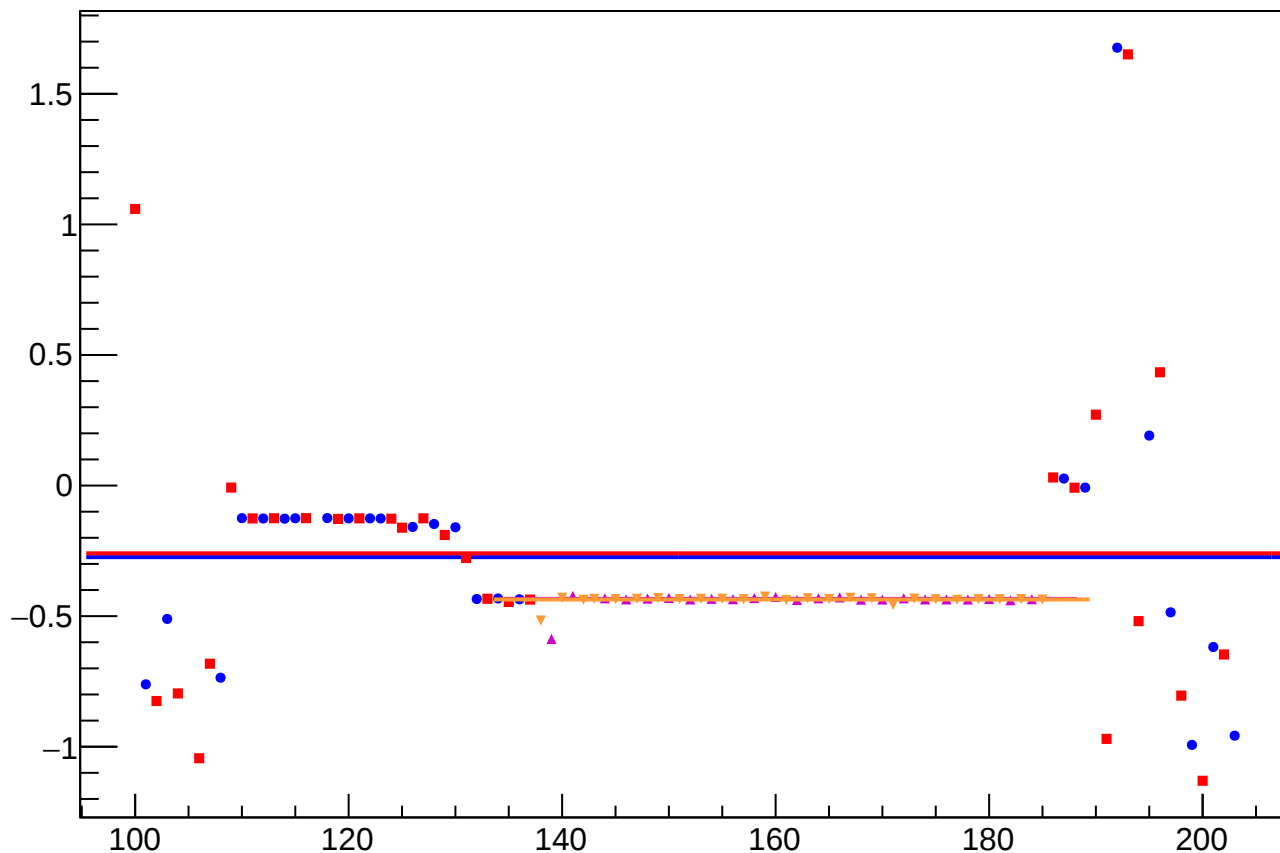
Left In: 0.009+/-0.000 χ^2/NDF :1607939.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 3871163.4/49

All: 0.009+/-0.000 χ^2/NDF : 7707394.6/101

- sign 0.009+/-0.000 χ^2/NDF : 3817628.3/51

yield_bpm16X_mean vs Slug



Right In: -0.274 ± 0.000 $\chi^2/\text{NDF}: 2140121599.0/24$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28774660.0/24$

Right Out: -0.260 ± 0.000 $\chi^2/\text{NDF}: 2047981080.3/28$

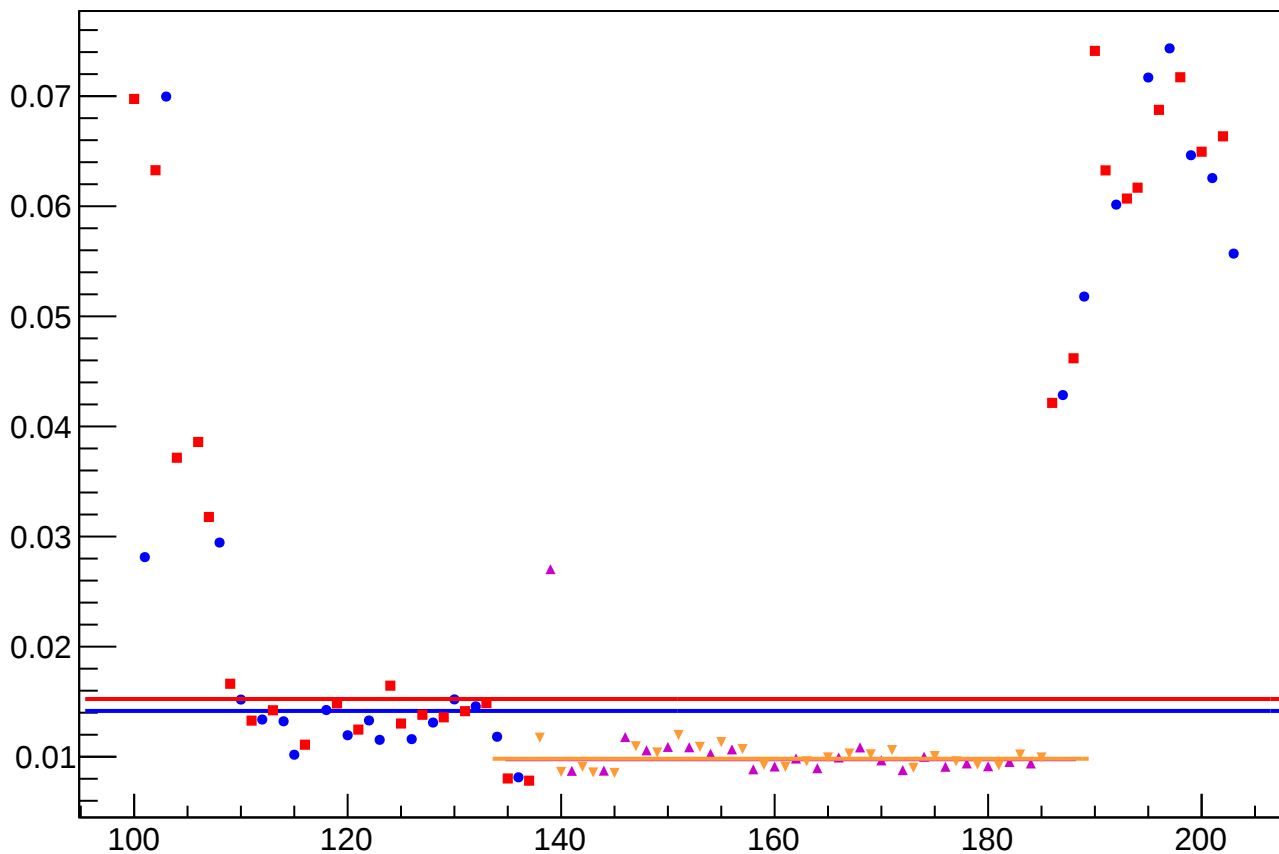
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 23984173.0/22$

+ sign -0.409 ± 0.000 $\chi^2/\text{NDF}: 2895812290.0/49$

All: -0.406 ± 0.000 $\chi^2/\text{NDF}: 5765029102.1/1$

- sign -0.404 ± 0.000 $\chi^2/\text{NDF}: 2867377650.6/51$

yield_bpm16X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 8245337.7/24

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:269242.6/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 9208992.4/28

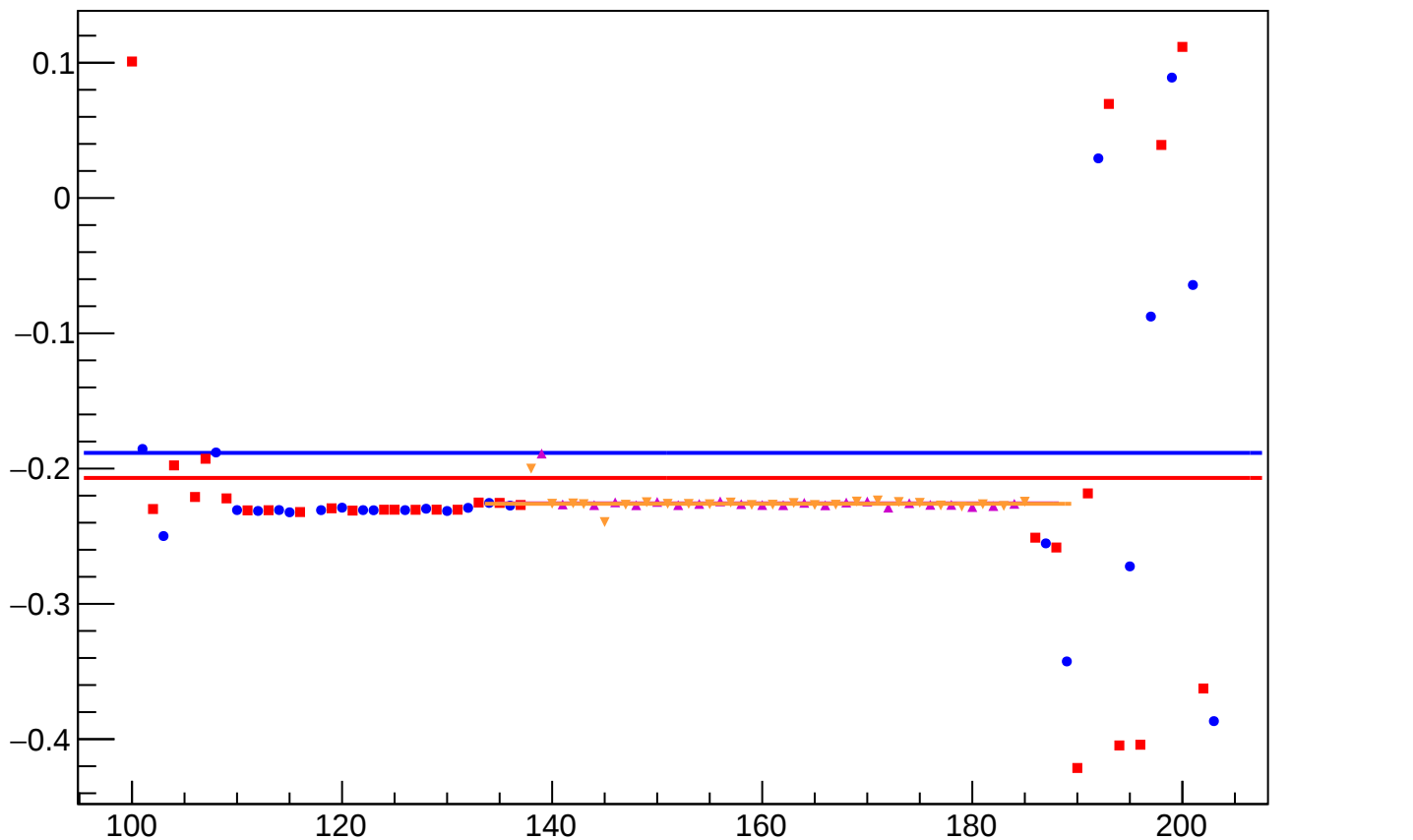
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 9557597.7/49

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 21082126.7/101

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 11520163.1/51

yield_bpm16Y_mean vs Slug



Right In: -0.188+/-0.000 χ^2/NDF : 5265641466.5/24

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.207+/-0.000 χ^2/NDF : 7872325188.7/28

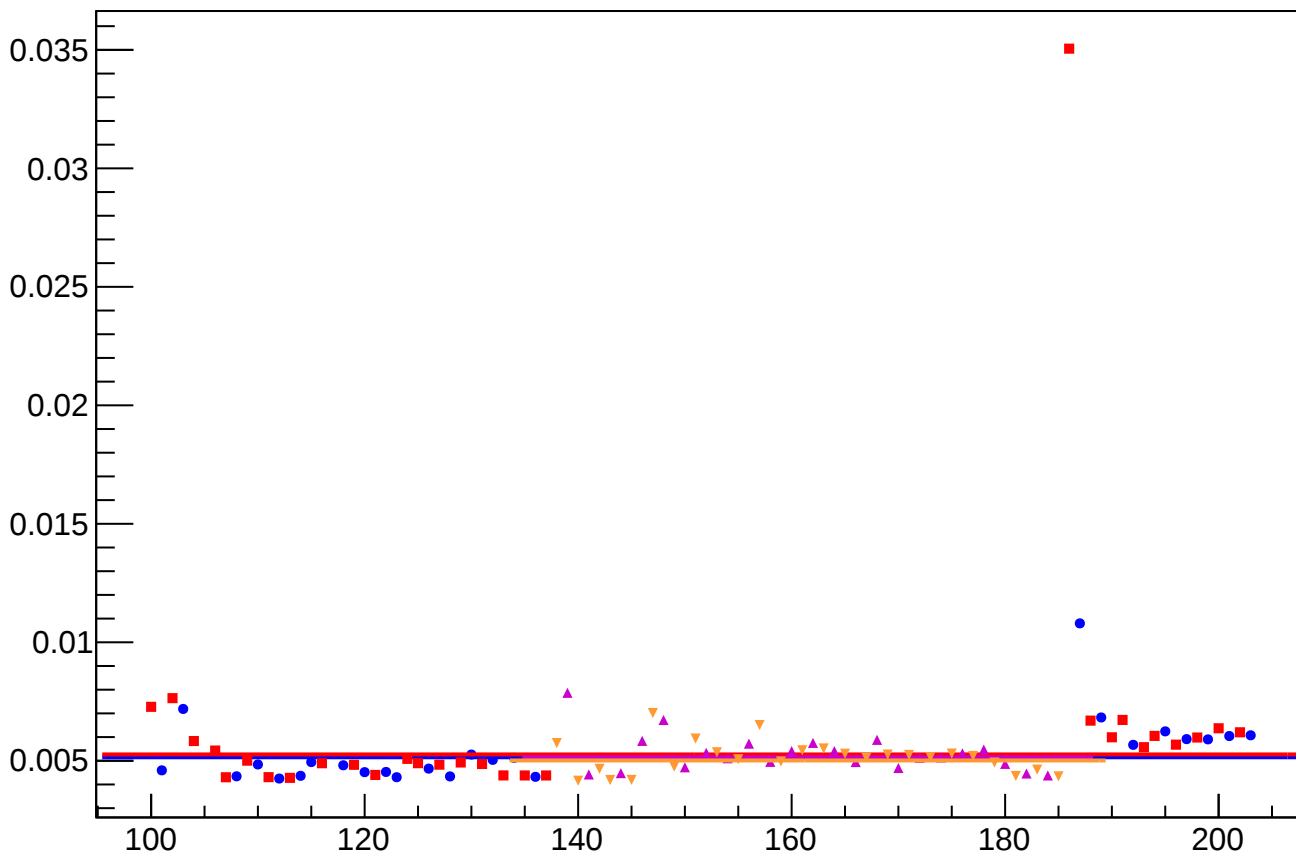
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.212+/-0.000 χ^2/NDF : 5653133317.3/49

All: -0.215+/-0.000 χ^2/NDF : 13650765369.3/49

- sign -0.218+/-0.000 χ^2/NDF : 7977343871.5/51

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 611353.0/24

Left Out: 0.005+/-0.000 χ^2/NDF :530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1129616.8/28

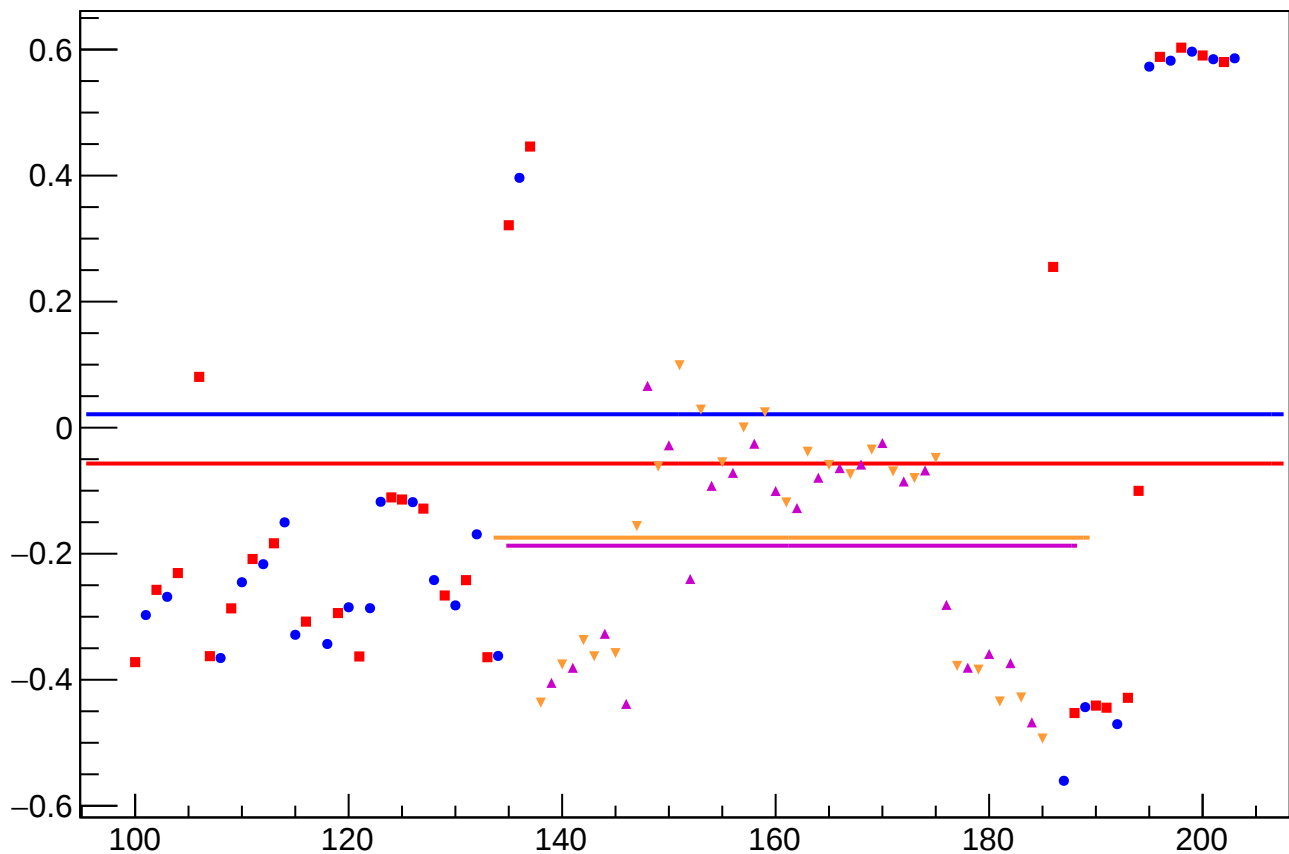
Left In: 0.005+/-0.000 χ^2/NDF :493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 1151387.0/49

All: 0.005+/-0.000 χ^2/NDF : 2800271.8/101

- sign 0.005+/-0.000 χ^2/NDF : 1630195.5/51

yield_bpm0i02X_mean vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 47330106931.0/24

Left Out: -0.174+/-0.000 χ^2/NDF : 18025533236.1/24

Right Out: -0.057+/-0.000 χ^2/NDF : 42309020863.7/28

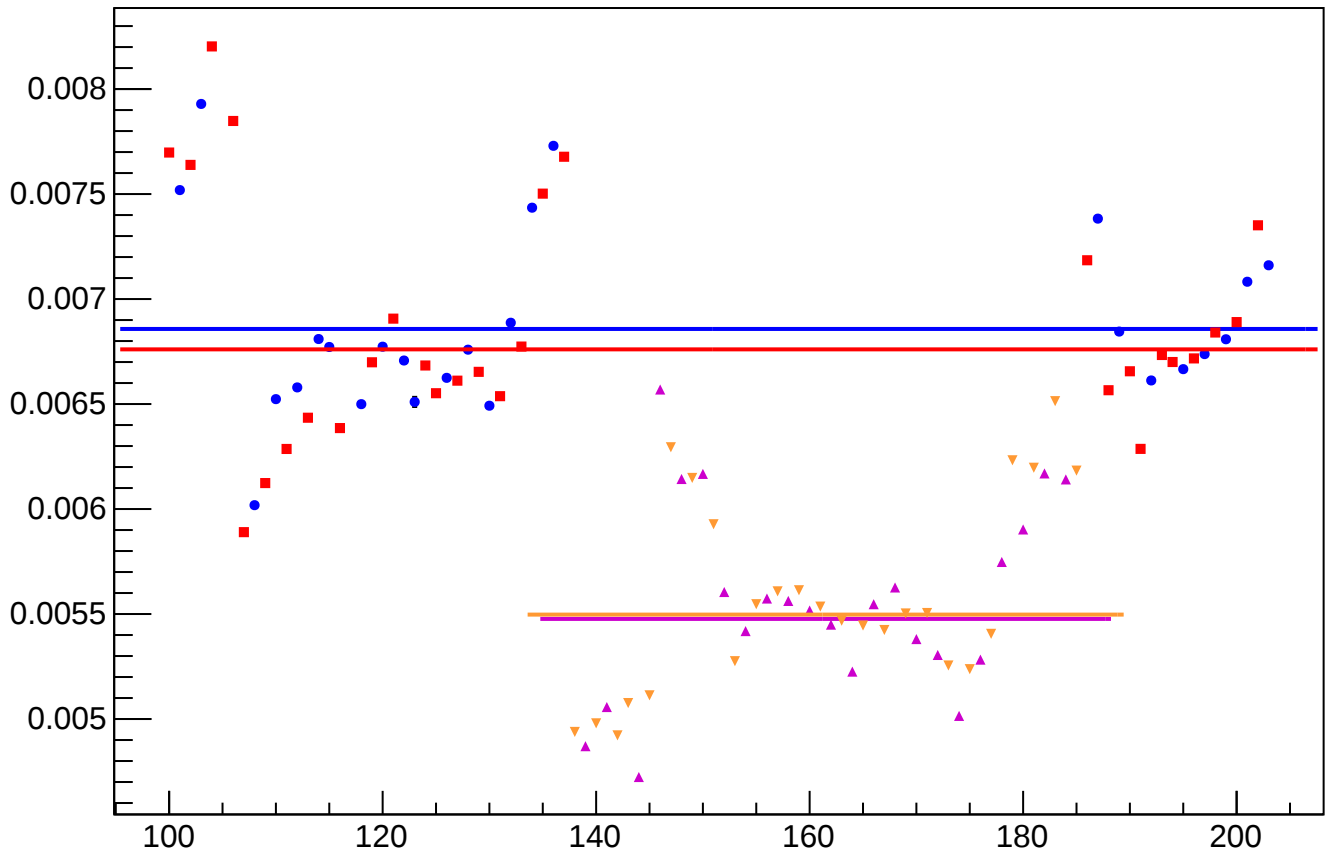
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.114+/-0.000 χ^2/NDF : 72144682335.8/49

All: -0.128+/-0.000 χ^2/NDF : 130802936781.4

- sign -0.142+/-0.000 χ^2/NDF : 58335539721.2/51

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 89007.2/24

Left Out: 0.005+/-0.000 χ^2/NDF : 198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 120228.8/28

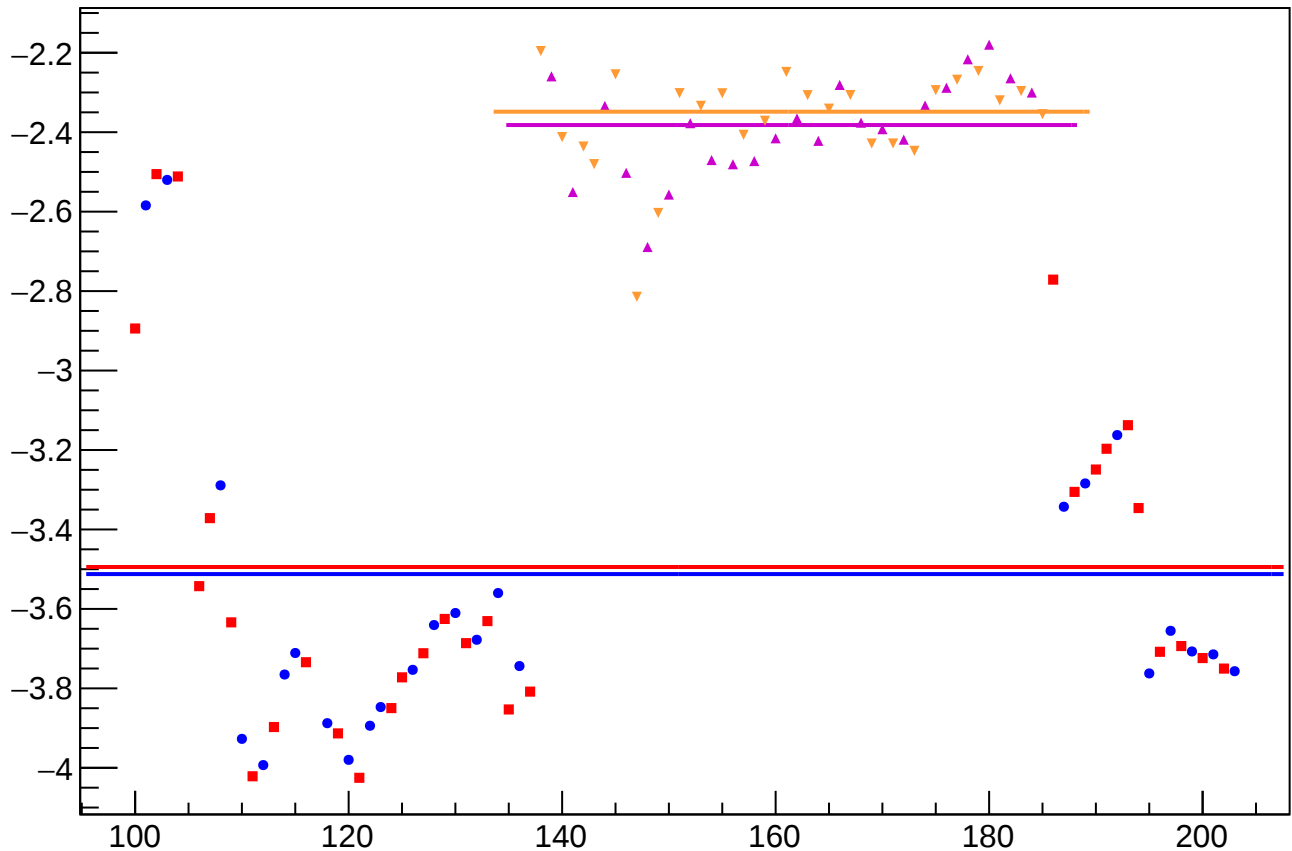
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 943396.0/49

All: 0.006+/-0.000 χ^2/NDF : 1888248.1/101

- sign 0.006+/-0.000 χ^2/NDF : 944827.1/51

yield_bpm0i02Y_mean vs Slug



Right In: -3.512 $\pm$ 0.000 χ^2 /NDF: 29508929576.2/24

Left Out: -2.348 $\pm$ 0.000 χ^2 /NDF: 2158686333.4/24

Right Out: -3.494 $\pm$ 0.000 χ^2 /NDF: 30319217221.1/28

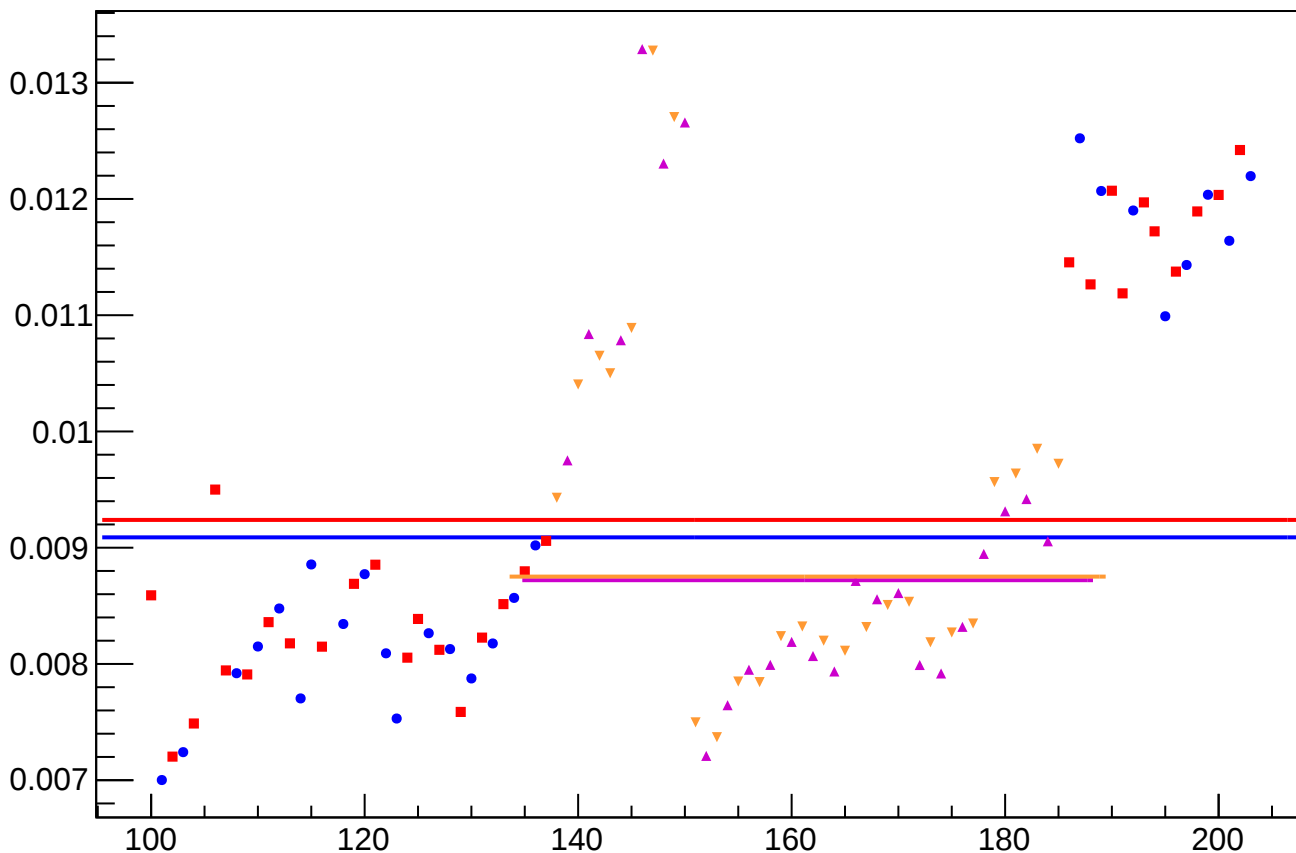
Left In: -2.382 $\pm$ 0.000 χ^2 /NDF: 2318395228.4/22

+ sign -2.794 $\pm$ 0.000 χ^2 /NDF: 148285115680.7/49

All: -2.815 $\pm$ 0.000 χ^2 /NDF: 289358731190.0

- sign -2.837 $\pm$ 0.000 χ^2 /NDF: 140729929254.4/51

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 853618.5/24

Left Out: 0.009+/-0.000 χ^2/NDF :663672.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 883961.4/28

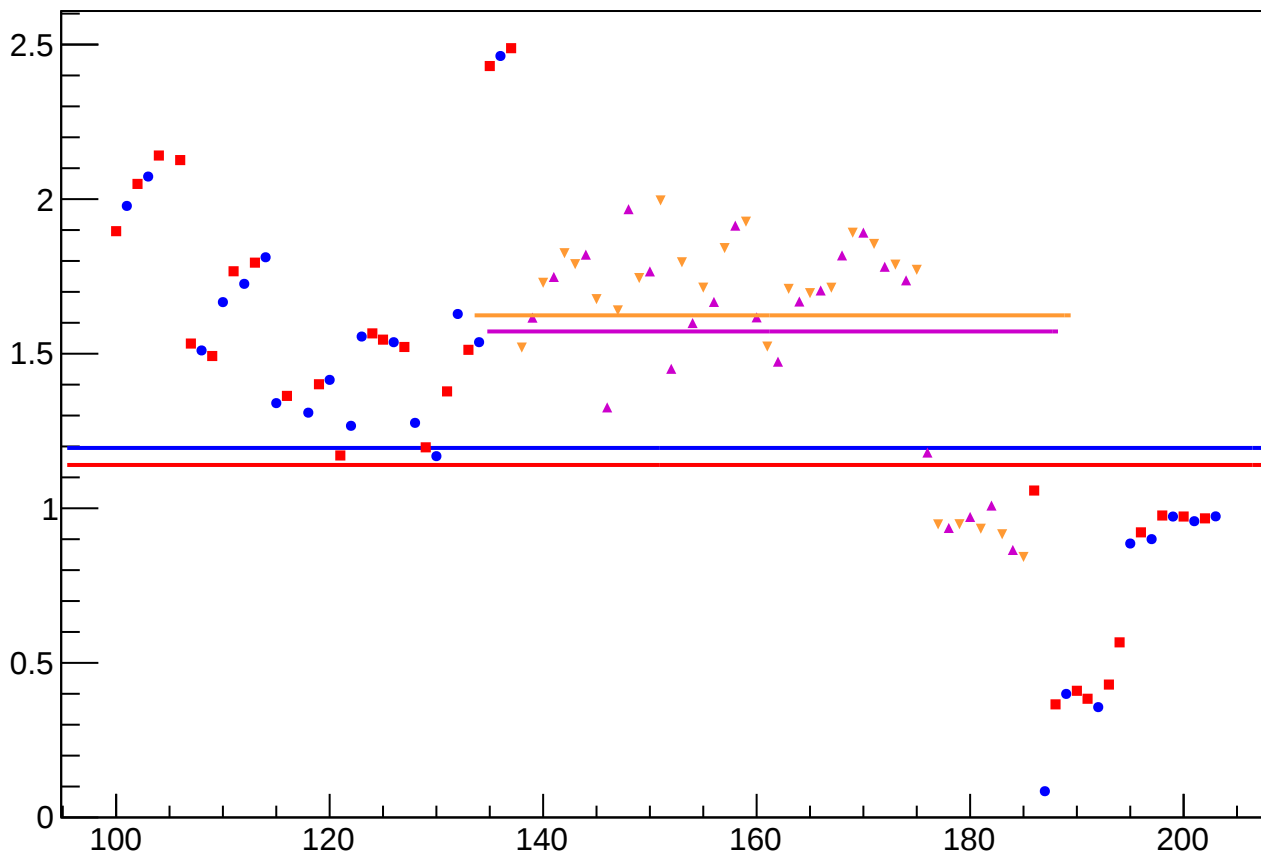
Left In: 0.009+/-0.000 χ^2/NDF :747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1536910.3/49

All: 0.009+/-0.000 χ^2/NDF : 3216682.5/101

- sign 0.009+/-0.000 χ^2/NDF : 1678786.4/51

yield_bpm0i02aX_mean vs Slug



Right In: 1.195 ± 0.000 χ^2/NDF : 27113129985.1/24

Left Out: 1.624 ± 0.000 χ^2/NDF : 16631112386.4/24

Right Out: 1.140 ± 0.000 χ^2/NDF : 32493599579.6/28

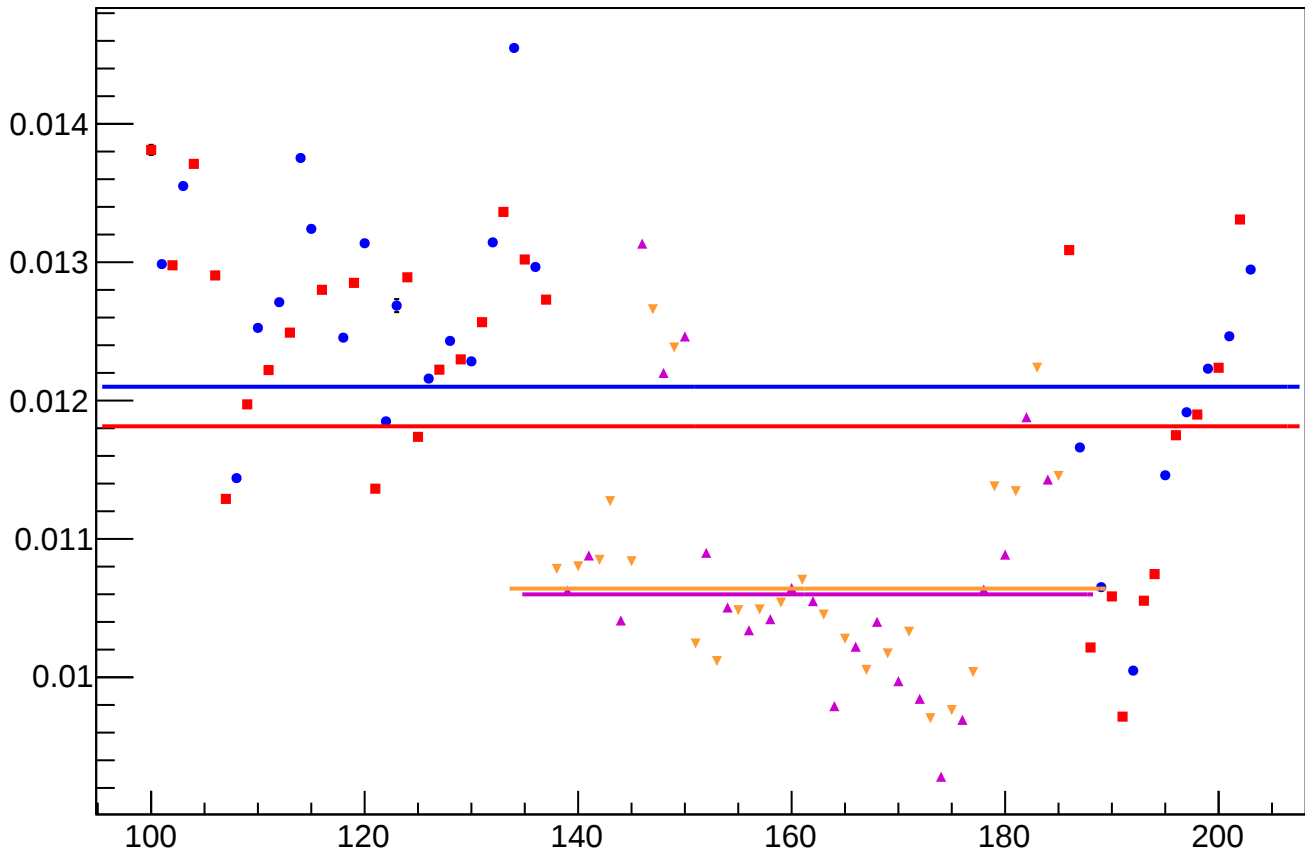
Left In: 1.572 ± 0.000 χ^2/NDF : 14230484809.4/22

+ sign 1.477 ± 0.000 χ^2/NDF : 53583724731.3/49

All: 1.440 ± 0.000 χ^2/NDF : 111625327505.6

- sign 1.404 ± 0.000 χ^2/NDF : 57410835153.7/51

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 164379.3/24

Left Out: 0.011+/-0.000 χ^2/NDF :159760.9/24

Right Out: 0.012+/-0.000 χ^2/NDF : 211087.9/28

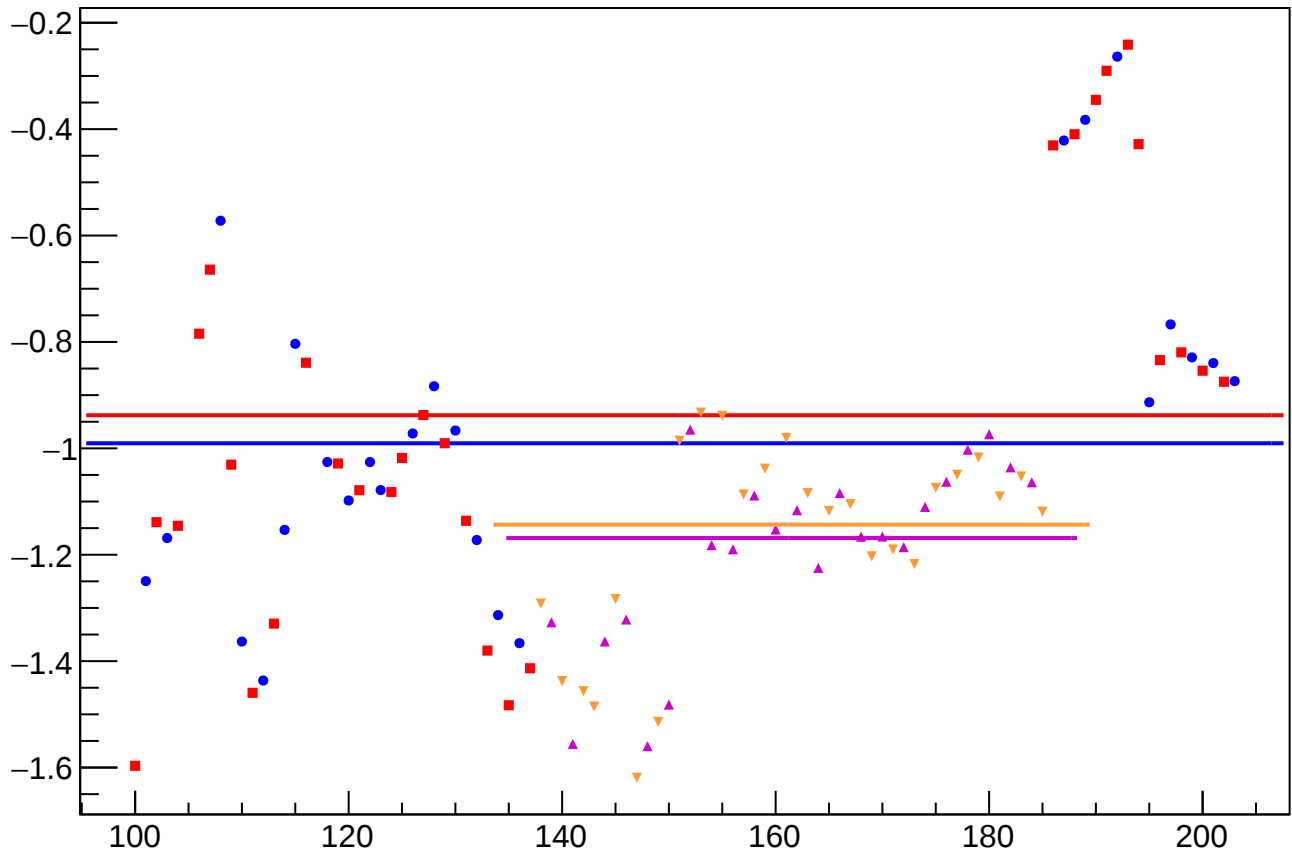
Left In: 0.011+/-0.000 χ^2/NDF :204531.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 551876.3/49

All: 0.011+/-0.000 χ^2/NDF : 1137841.5/101

- sign 0.011+/-0.000 χ^2/NDF : 584768.5/51

yield_bpm0i02aY_mean vs Slug



Right In: -0.990 ± 0.000 χ^2/NDF : 10806590123.0/24

Left Out: -1.143 ± 0.000 χ^2/NDF : 7976364534.0/24

Right Out: -0.938 ± 0.000 χ^2/NDF : 15755026213.3/28

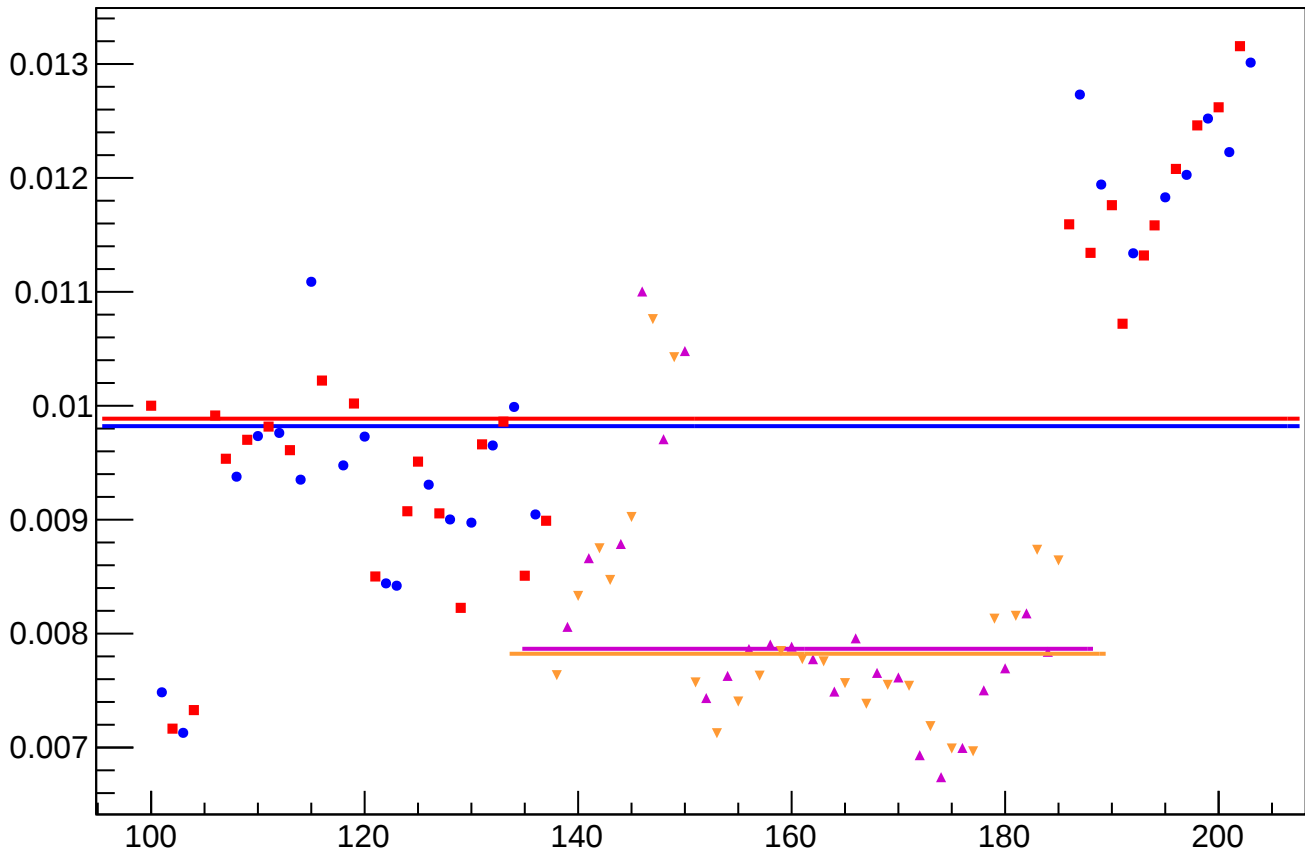
Left In: -1.169 ± 0.000 χ^2/NDF : 6362643368.6/22

+ sign -1.098 ± 0.000 χ^2/NDF : 20732526681.3/49

All: -1.095 ± 0.000 χ^2/NDF : 47445862641.7

- sign -1.093 ± 0.000 χ^2/NDF : 26708082660.4/51

yield_bpm0i02aY_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 724975.0/24

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:336387.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 735295.9/28

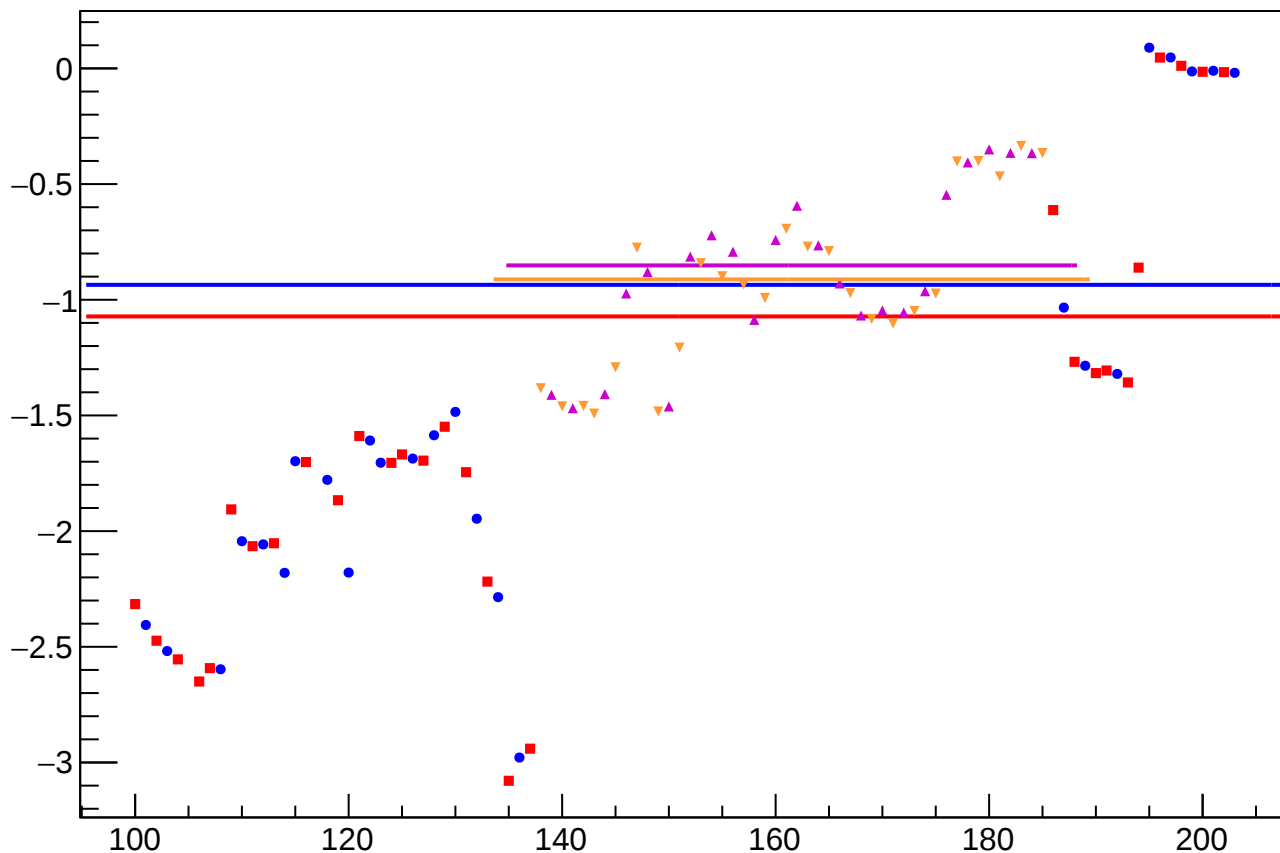
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1727117.4/49

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3550707.1/101

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1818560.7/51

yield_bpm0i05X_mean vs Slug



Right In: -0.935 ± 0.000 χ^2/NDF : 310872491750.4/24

Left Out: -0.912 ± 0.000 χ^2/NDF : 49039425818.1/24

Right Out: -1.072 ± 0.000 χ^2/NDF : 305984042210.8/28

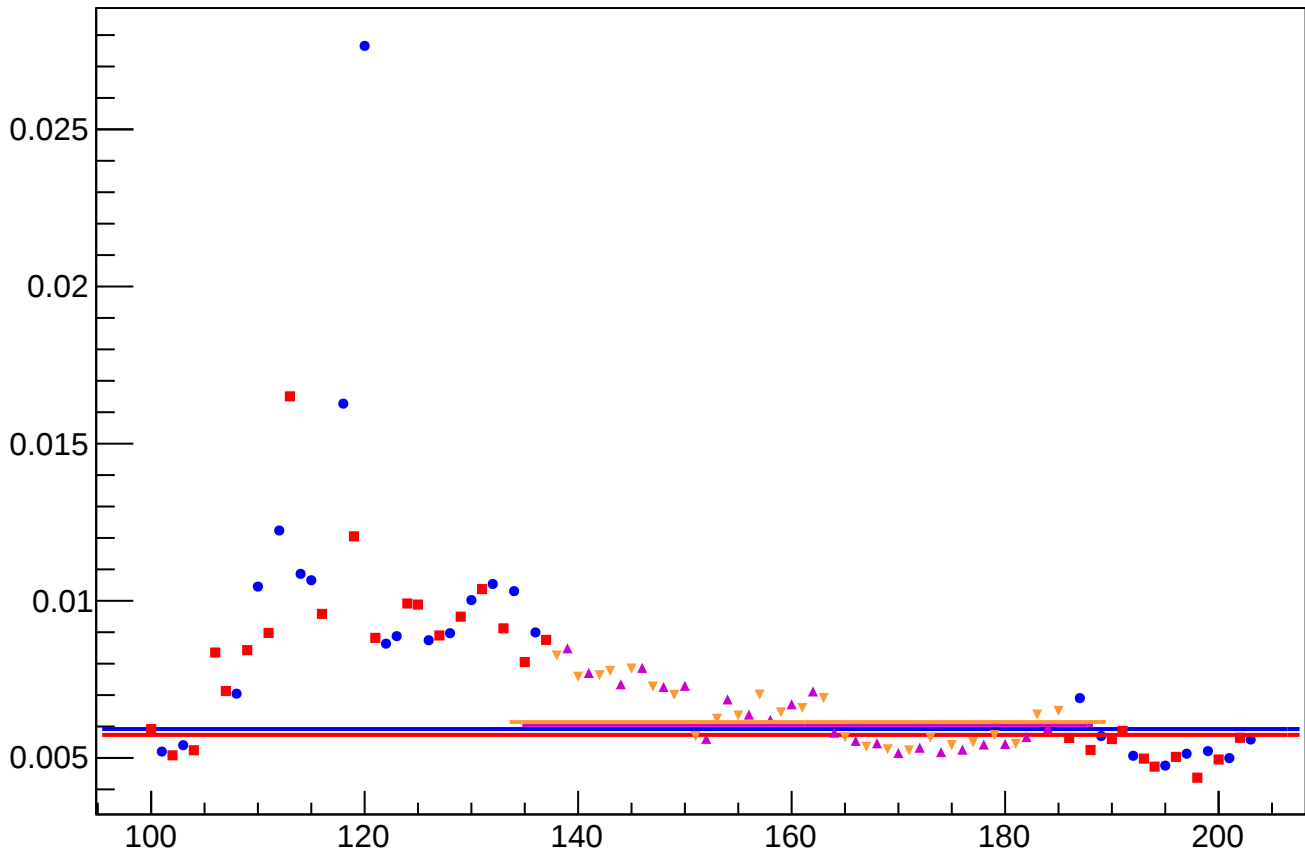
Left In: -0.851 ± 0.000 χ^2/NDF : 46438446008.2/22

+ sign -0.921 ± 0.000 χ^2/NDF : 360006062940.8/49

All: -0.935 ± 0.000 χ^2/NDF : 721953871761.8

- sign -0.948 ± 0.000 χ^2/NDF : 361678488171.8/51

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1943804.6/24

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1878298.7/28

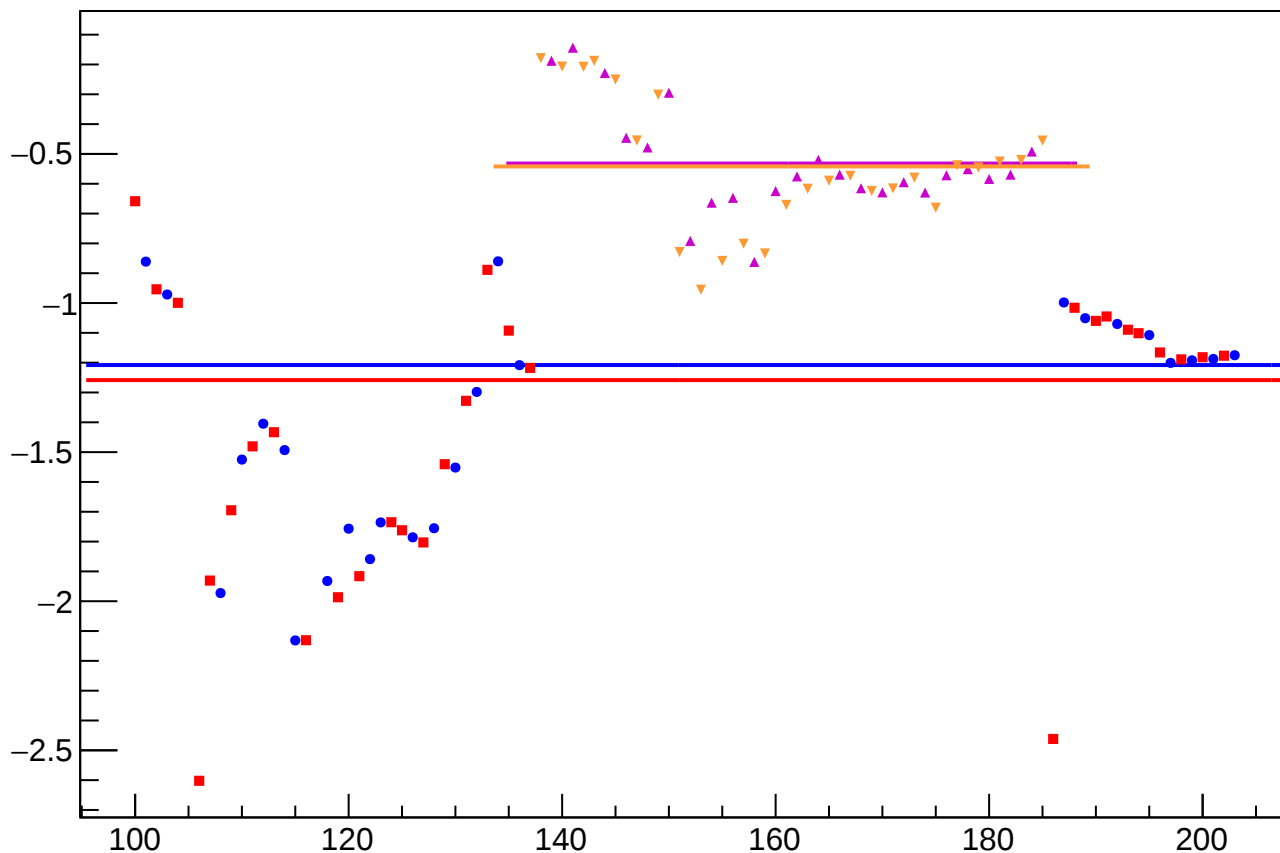
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2598502.3/49

All: 0.006+/-0.000 χ^2/NDF : 5228544.0/101

- sign 0.006+/-0.000 χ^2/NDF : 2614640.4/51

yield_bpm0i05Y_mean vs Slug



Right In: -1.208+/-0.000 χ^2 /NDF: 26287723012.4/24

Left Out: -0.542+/-0.000 χ^2 /NDF: 47268284910.3/24

Right Out: -1.258+/-0.000 χ^2 /NDF: 78538000834.2/28

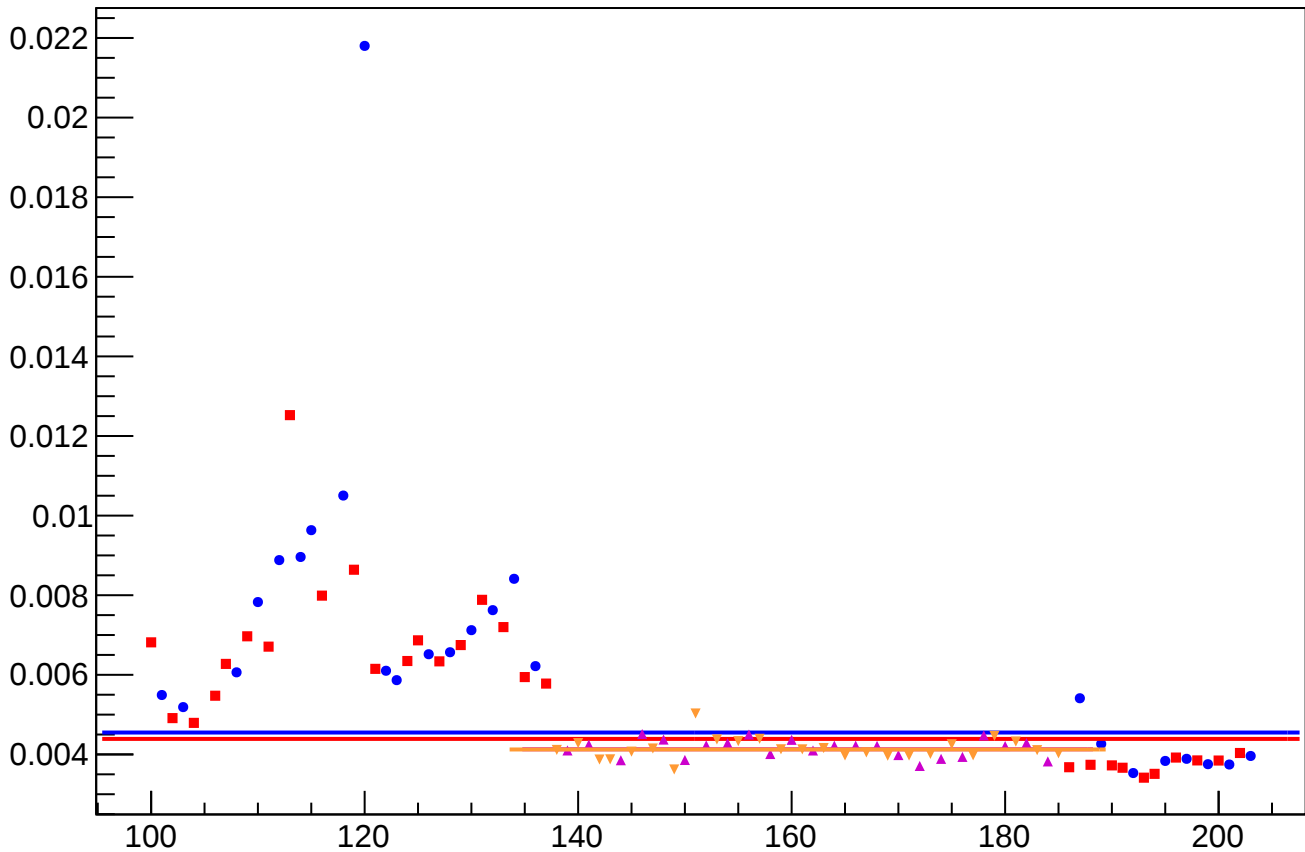
Left In: -0.532+/-0.000 χ^2 /NDF: 30715235426.8/22

+ sign -0.757+/-0.000 χ^2 /NDF: 215398825491.9/49

All: -0.782+/-0.000 χ^2 /NDF: 513053921514.0

- sign -0.807+/-0.000 χ^2 /NDF: 295808011285.5/51

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1934538.3/24

Left Out: 0.004+/-0.000 χ^2/NDF :113033.9/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1826698.7/28

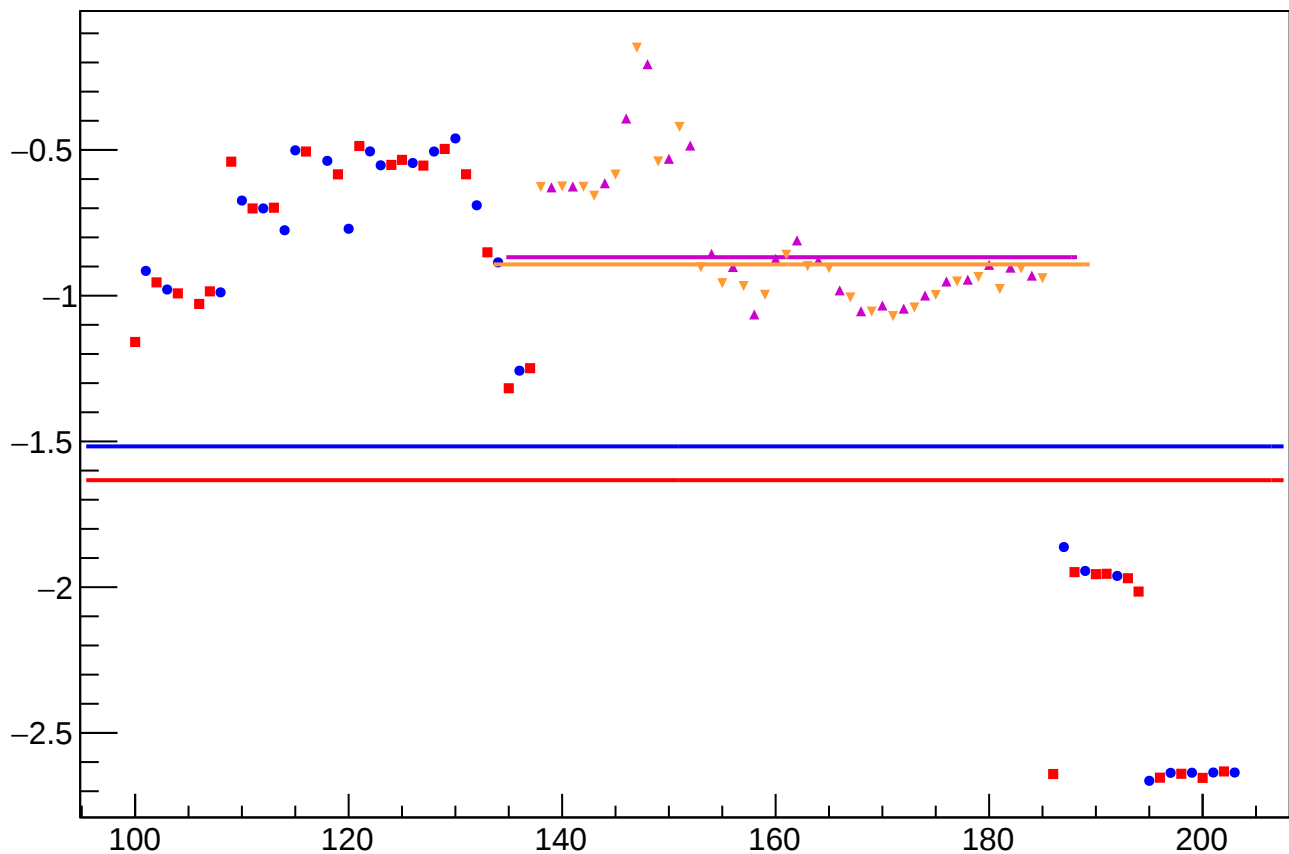
Left In: 0.004+/-0.000 χ^2/NDF :93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 2163505.8/49

All: 0.004+/-0.000 χ^2/NDF : 4132938.9/101

- sign 0.004+/-0.000 χ^2/NDF : 1967754.0/51

yield_bpm0i07X_mean vs Slug



Right In: -1.517 ± 0.000 χ^2/NDF : 216190077231.0/24

Left Out: -0.893 ± 0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.633 ± 0.000 χ^2/NDF : 280267222935.0/28

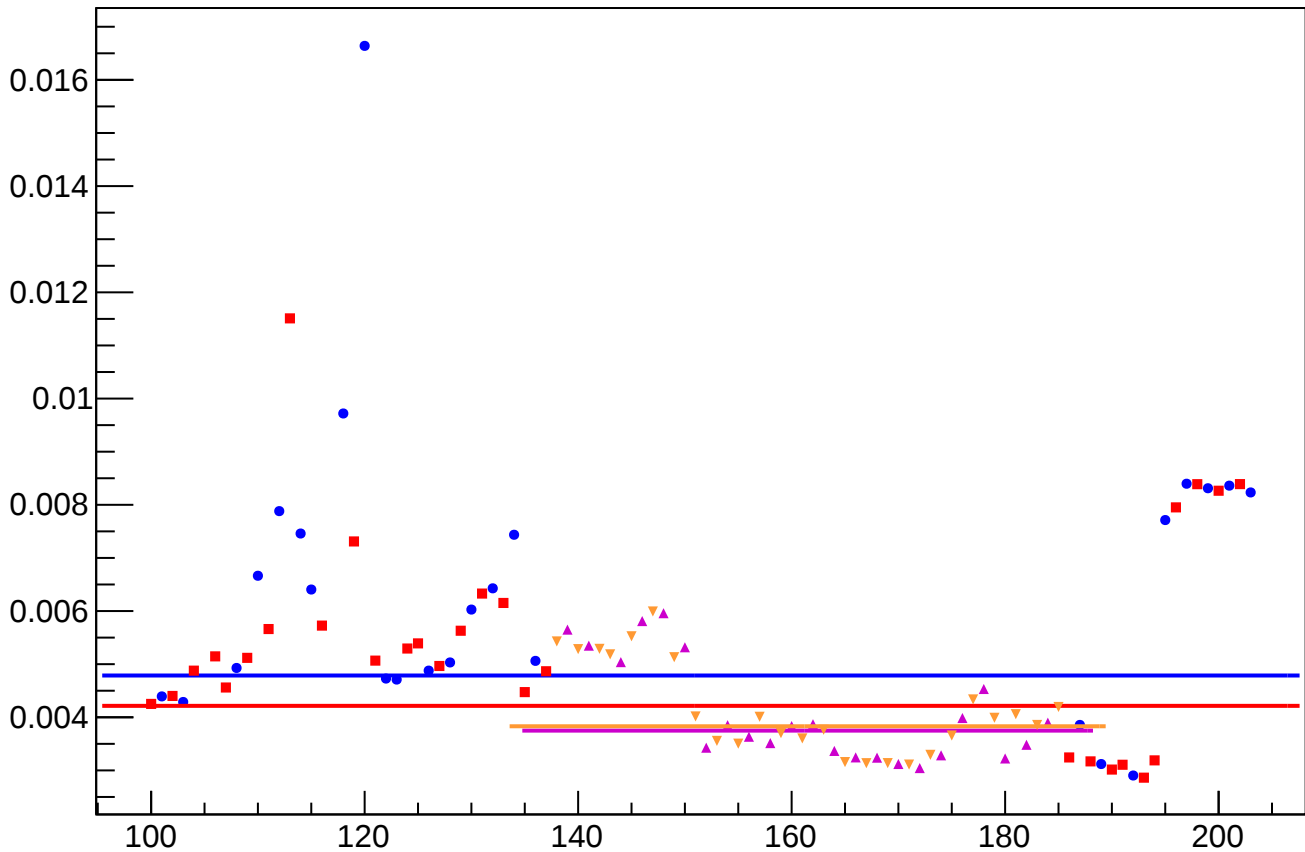
Left In: -0.868 ± 0.000 χ^2/NDF : 43853190177.2/22

+ sign -1.062 ± 0.000 χ^2/NDF : 375682039594.4/49

All: -1.101 ± 0.000 χ^2/NDF : 934185380184.6

- sign -1.137 ± 0.000 χ^2/NDF : 553860809446.8/51

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 3135994.4/24

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3051467.1/28

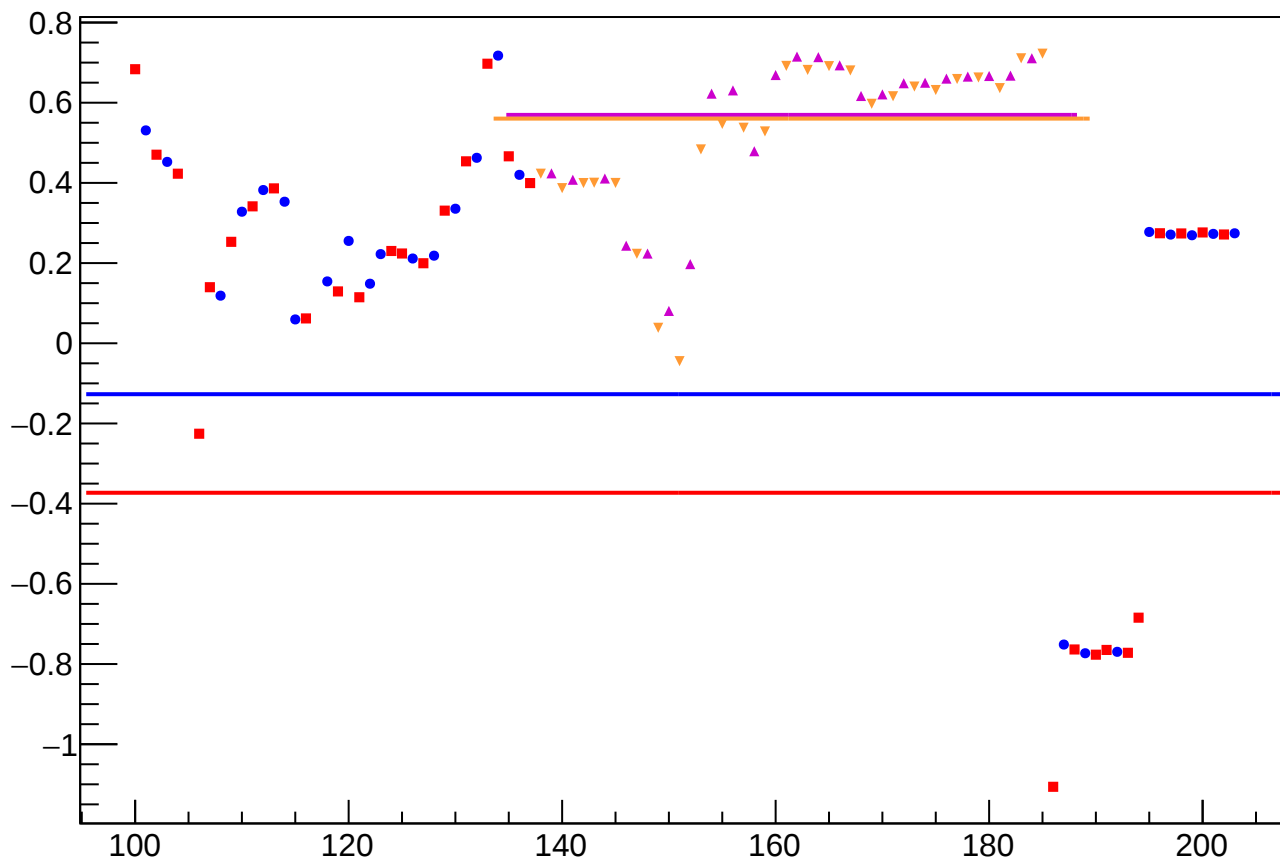
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4871937.2/49

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 9433146.2/101

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4510621.5/51

yield_bpm0i07Y_mean vs Slug



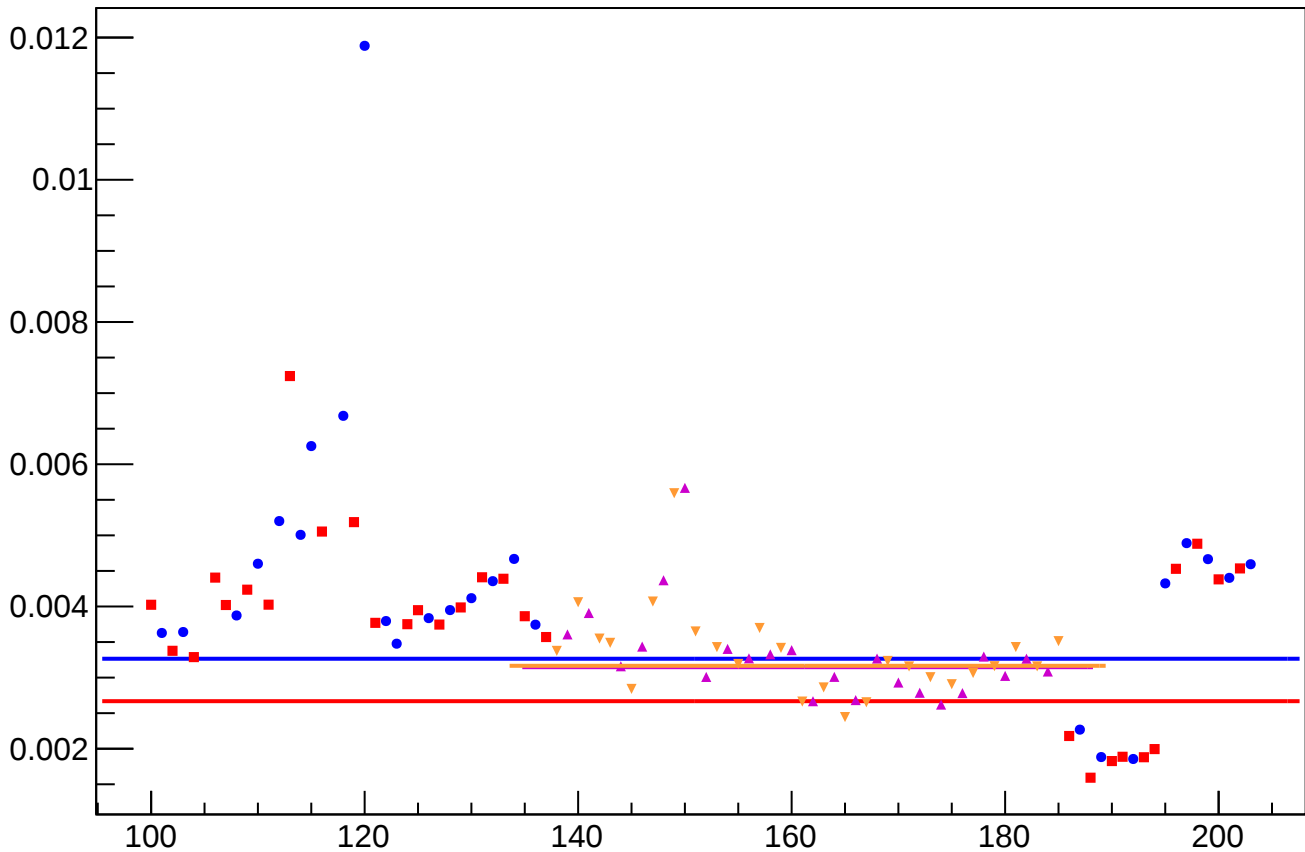
Right In: -0.127 ± 0.000 $\chi^2/\text{NDF}: 272161626705.3/24$

Left Out: 0.560 ± 0.000 $\chi^2/\text{NDF}: 45205806387.2/24$ + sign 0.313 ± 0.000 $\chi^2/\text{NDF}: 592973347071.7/49$

Right Out: -0.373 ± 0.000 $\chi^2/\text{NDF}: 423720436194.7/28$ All: 0.207 ± 0.000 $\chi^2/\text{NDF}: 1774724325686.$

Left In: 0.570 ± 0.000 $\chi^2/\text{NDF}: 42104067973.0/22$ - sign 0.118 ± 0.000 $\chi^2/\text{NDF}: 1129569250459.8/51$

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 2957545.7/24

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3908609.3/28

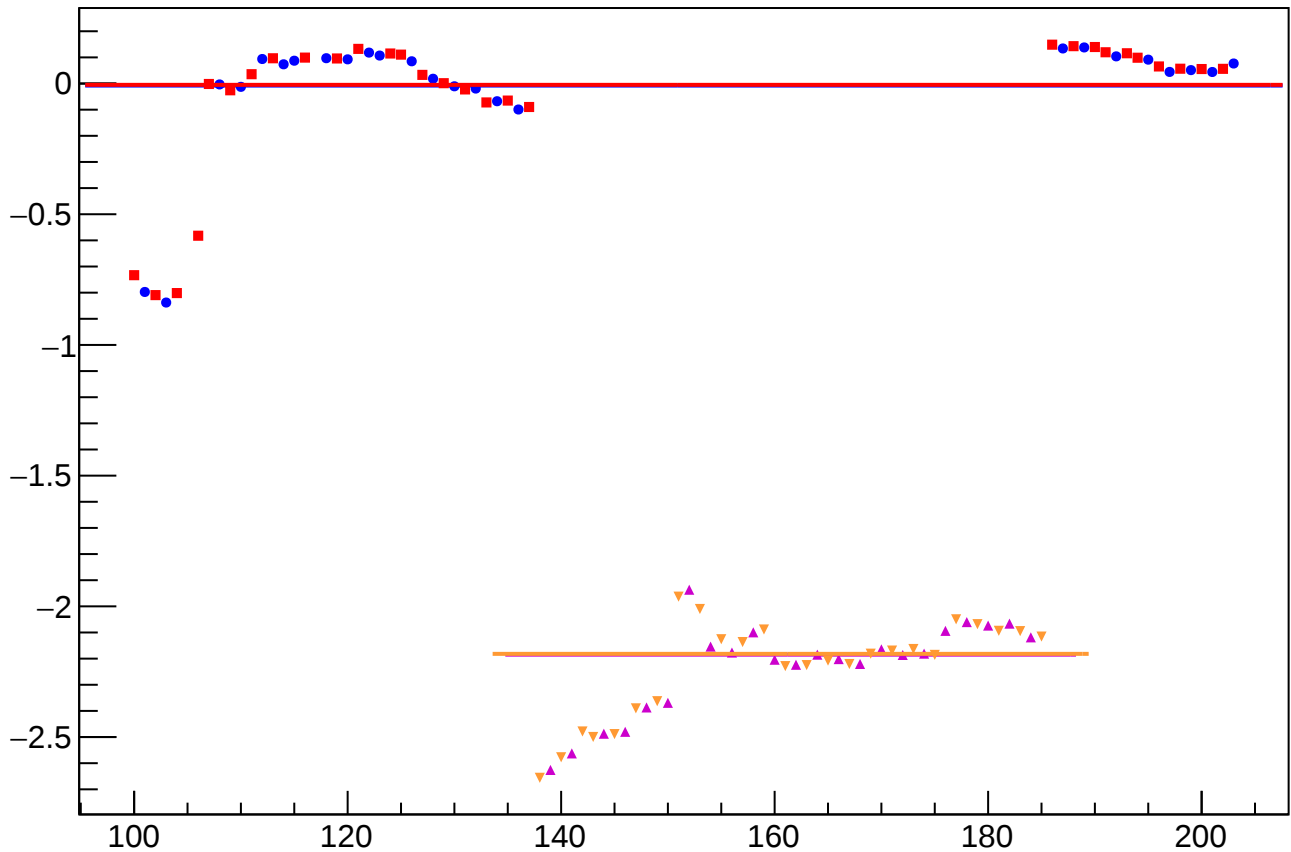
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 3713903.4/49

All: 0.003+/-0.000 χ^2/NDF : 8902336.1/101

- sign 0.003+/-0.000 χ^2/NDF : 4966235.7/51

yield_bpm1i02X_mean vs Slug



Right In: -0.008+/-0.000 χ^2/NDF : 5772562893.7/24

Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24

Right Out: -0.005+/-0.000 χ^2/NDF : 6861828982.8/28

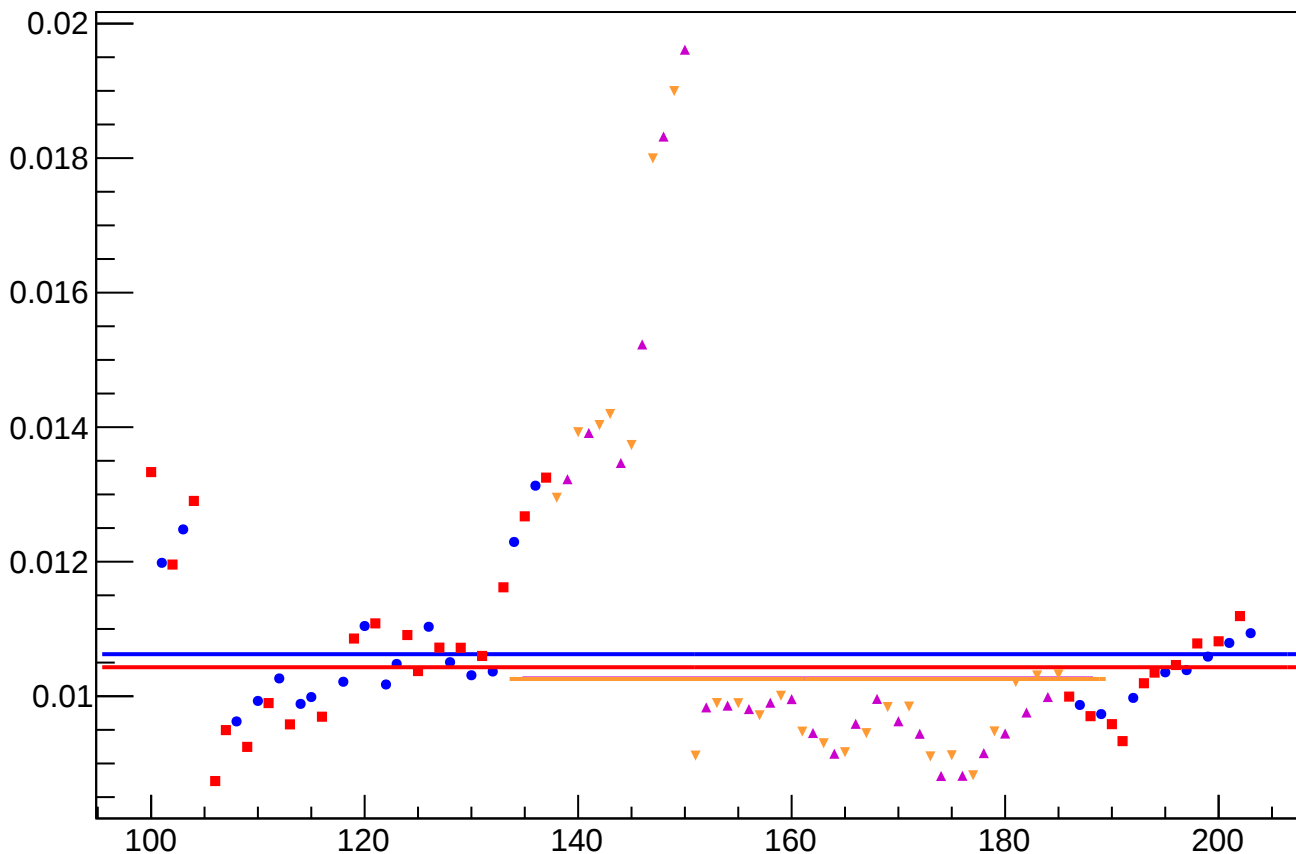
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.334+/-0.000 χ^2/NDF : 318875903527.3/49

All: -1.282+/-0.000 χ^2/NDF : 658048899089.7

- sign -1.230+/-0.000 χ^2/NDF : 337674597385.8/51

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 150588.2/24

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 214545.5/28

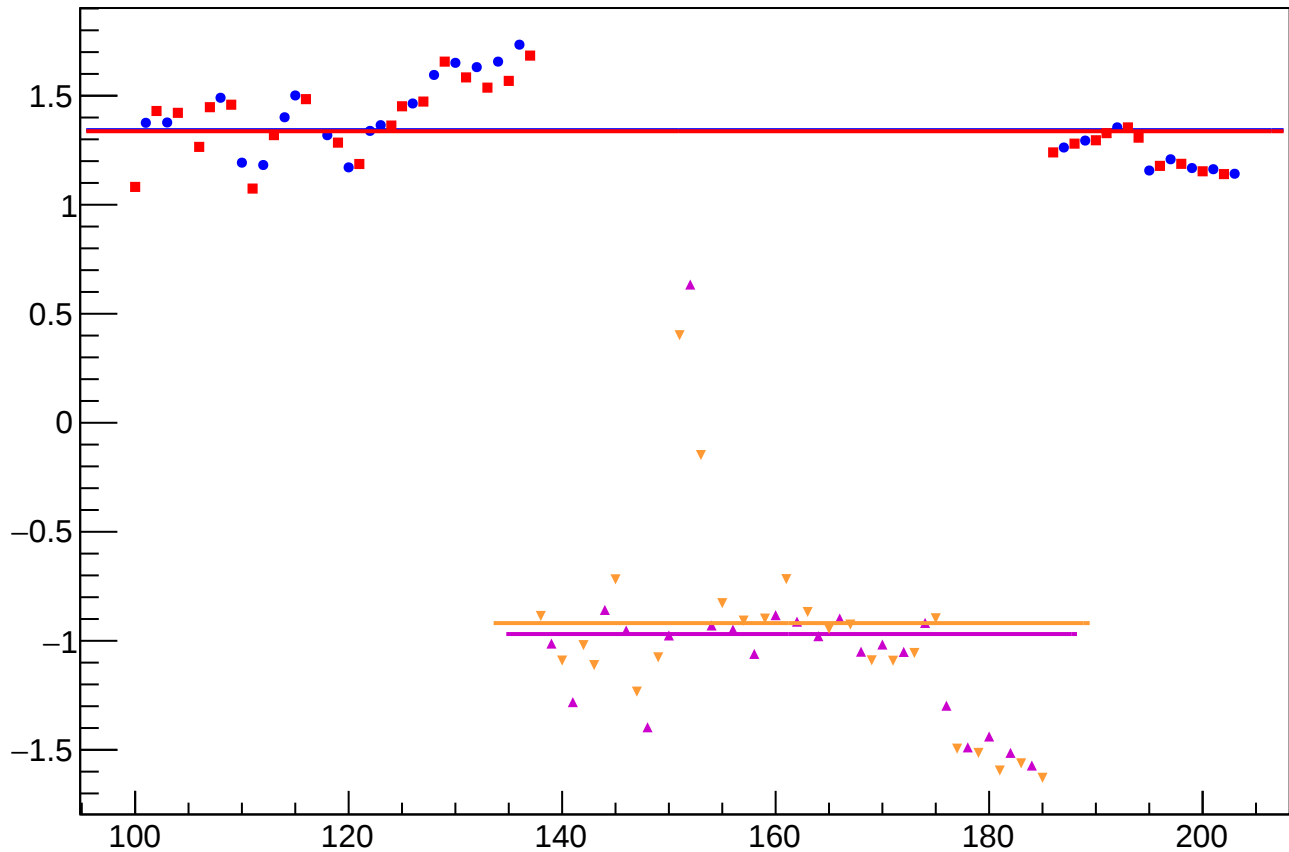
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1439006.8/49

All: 0.010+/-0.000 χ^2/NDF : 2998725.7/101

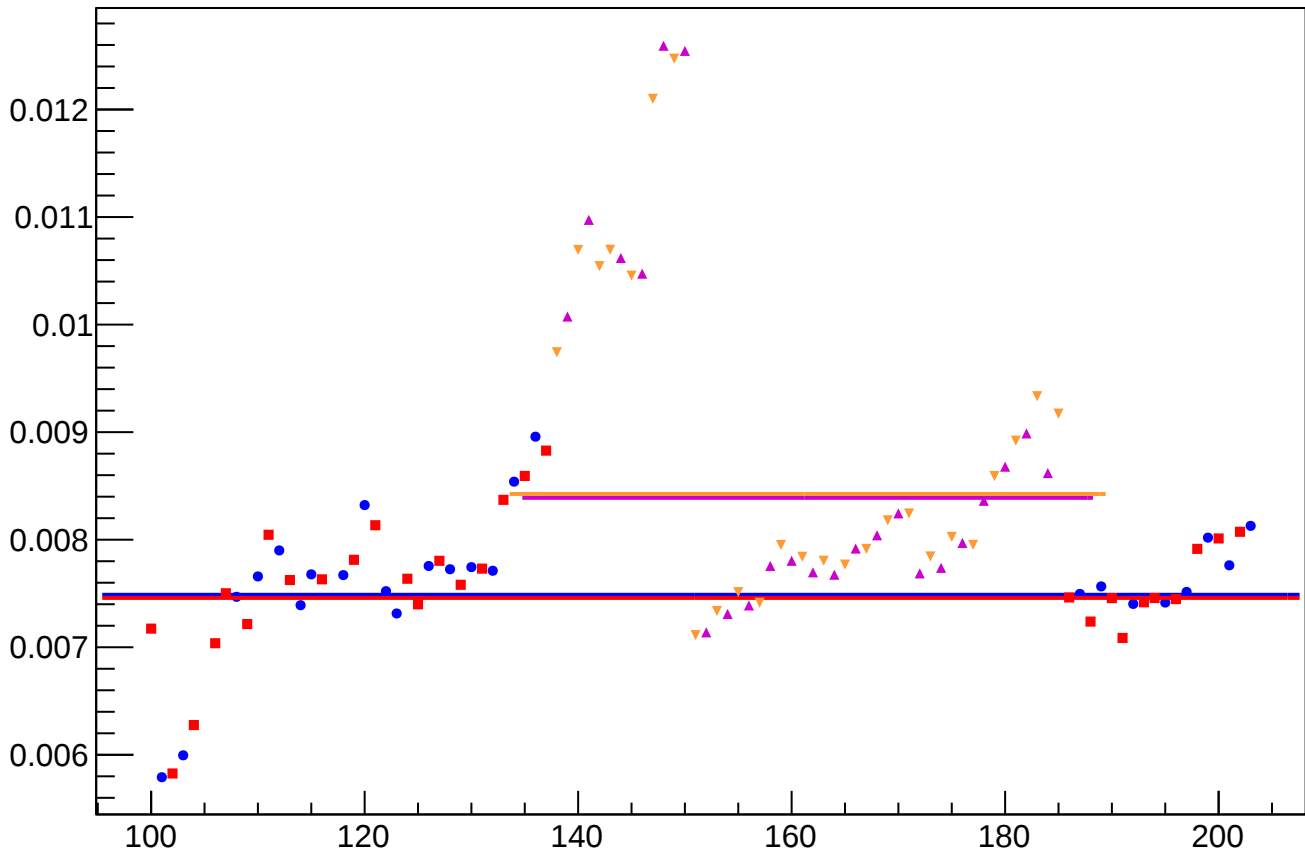
- sign 0.010+/-0.000 χ^2/NDF : 1558635.7/51

yield_bpm1i02Y_mean vs Slug



Right In: 1.342 $\pm$ 0.000	χ^2 /NDF: 6672892780.2/24	+ sign 0.121 $\pm$ 0.000	χ^2 /NDF: 654916665957.7/49
Left Out: -0.919 $\pm$ 0.000	χ^2 /NDF: 55622252895.8/24	All: 0.153 $\pm$ 0.000	χ^2 /NDF: 1352824561211.
Right Out: 1.337 $\pm$ 0.000	χ^2 /NDF: 5010938715.4/28	- sign 0.185 $\pm$ 0.000	χ^2 /NDF: 696940358648.4/51
Left In: -0.969 $\pm$ 0.000	χ^2 /NDF: 54895002535.8/22		

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 253310.3/24

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 196742.6/28

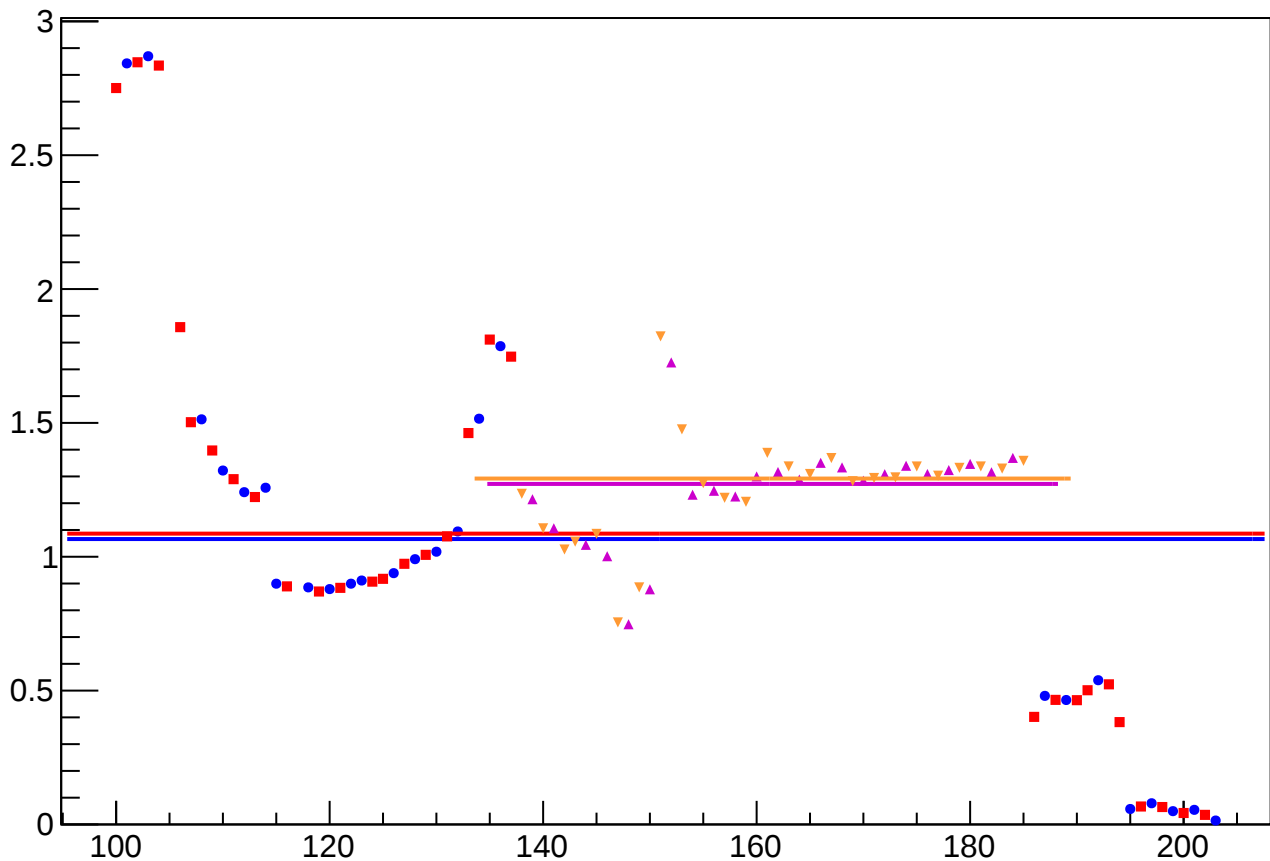
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1249537.2/49

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2495980.0/101

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1244099.0/51

yield_bpm1i04X_mean vs Slug



Right In: 1.066 $\pm$ 0.000 χ^2 /NDF: 108048292591.3/24

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

Right Out: 1.086 $\pm$ 0.000 χ^2 /NDF: 103904113913.5/28

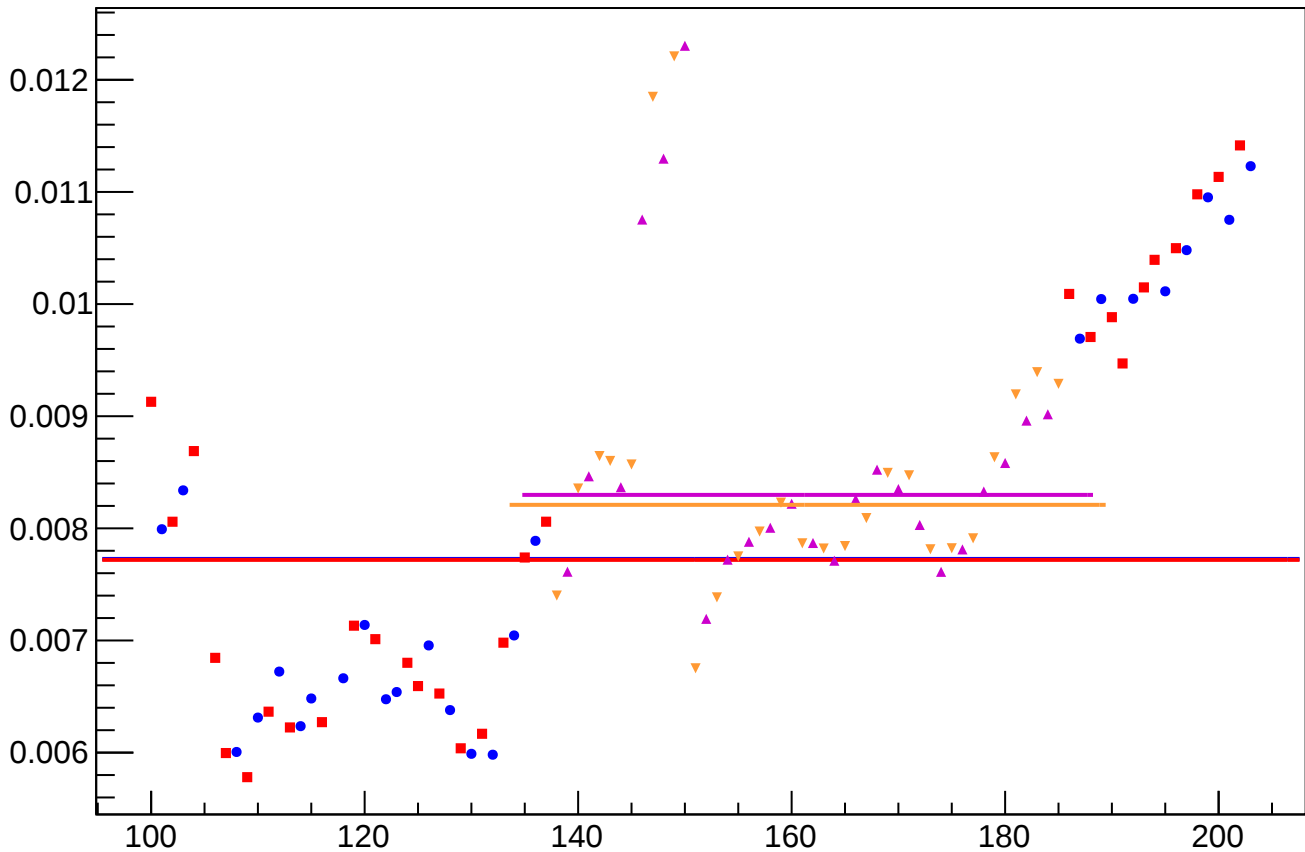
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.196 $\pm$ 0.000 χ^2 /NDF: 123052003058.1/49

All: 1.191 $\pm$ 0.000 χ^2 /NDF: 238483145186.5

- sign 1.185 $\pm$ 0.000 χ^2 /NDF: 115403486620.8/51

yield_bpm1i04X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1199542.6/24

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:478864.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1386027.7/28

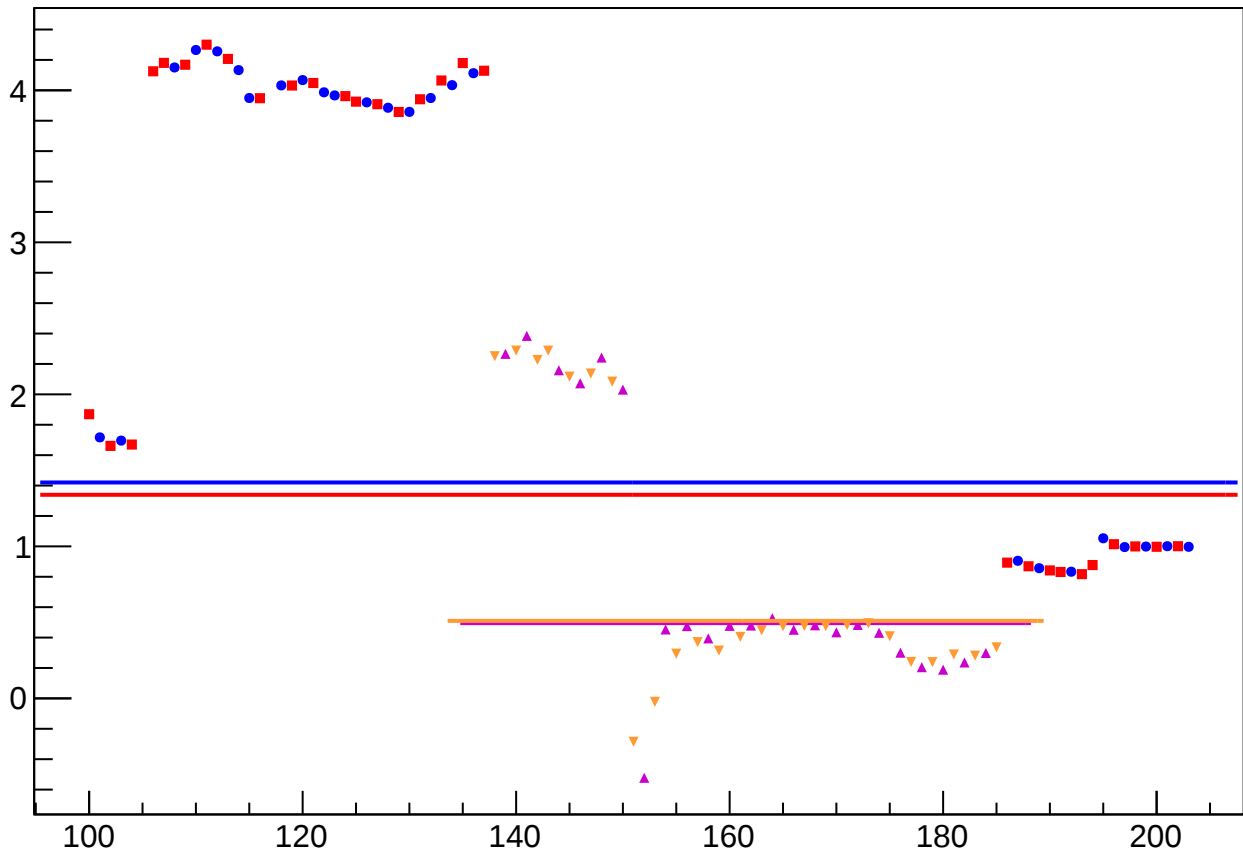
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1730344.1/49

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3655129.1/101

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1924554.1/51

yield_bpm1i04Y_mean vs Slug



Right In: 1.420+/-0.000 χ^2/NDF : 1429224776869.6/24

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.339+/-0.000 χ^2/NDF : 1654212851424.9/28

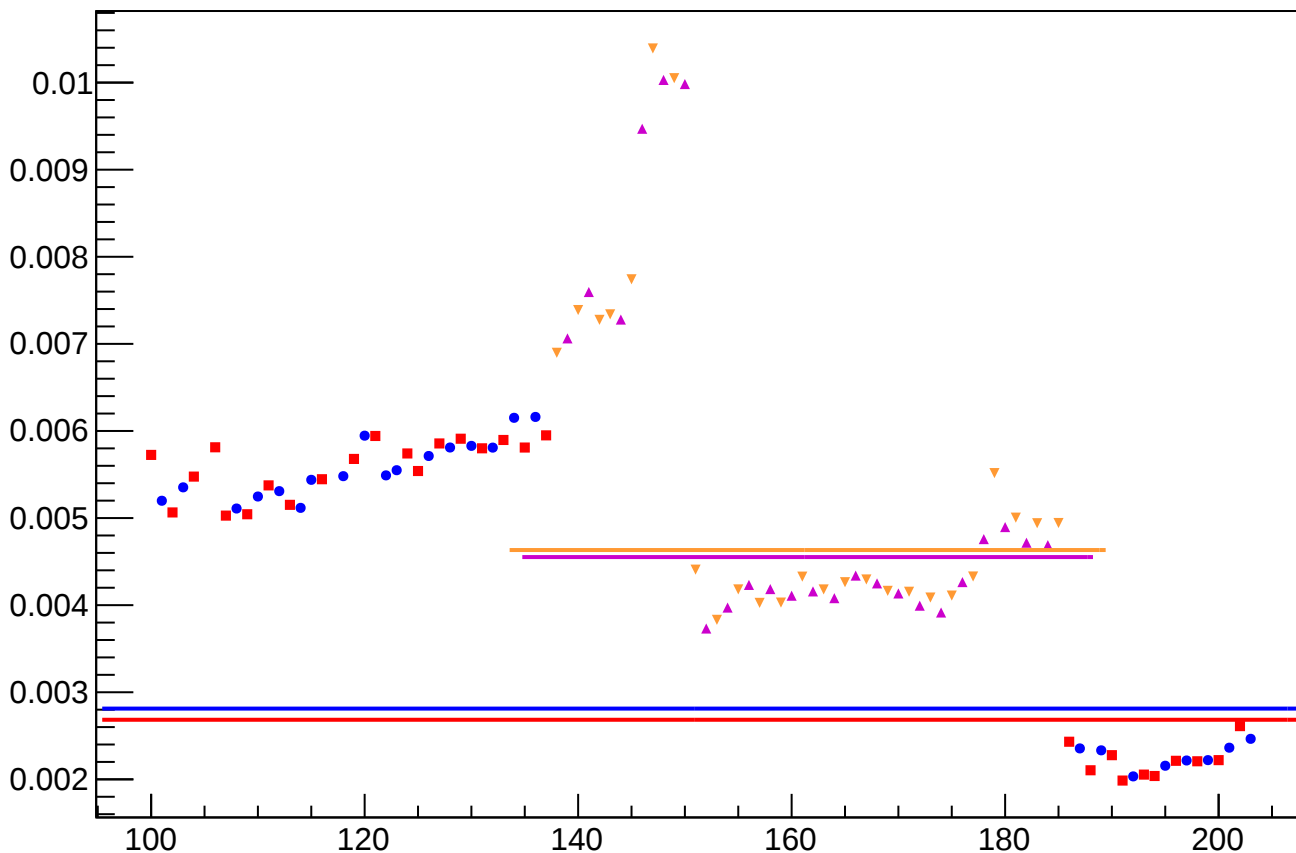
Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.069+/-0.000 χ^2/NDF : 2099259757084.6/49

All: 1.061+/-0.000 χ^2/NDF : 4380547814426.6/100

- sign 1.055+/-0.000 χ^2/NDF : 2281067258930.7/51

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4031951.9/24

Left Out: 0.005+/-0.000 χ^2/NDF :2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4410933.6/28

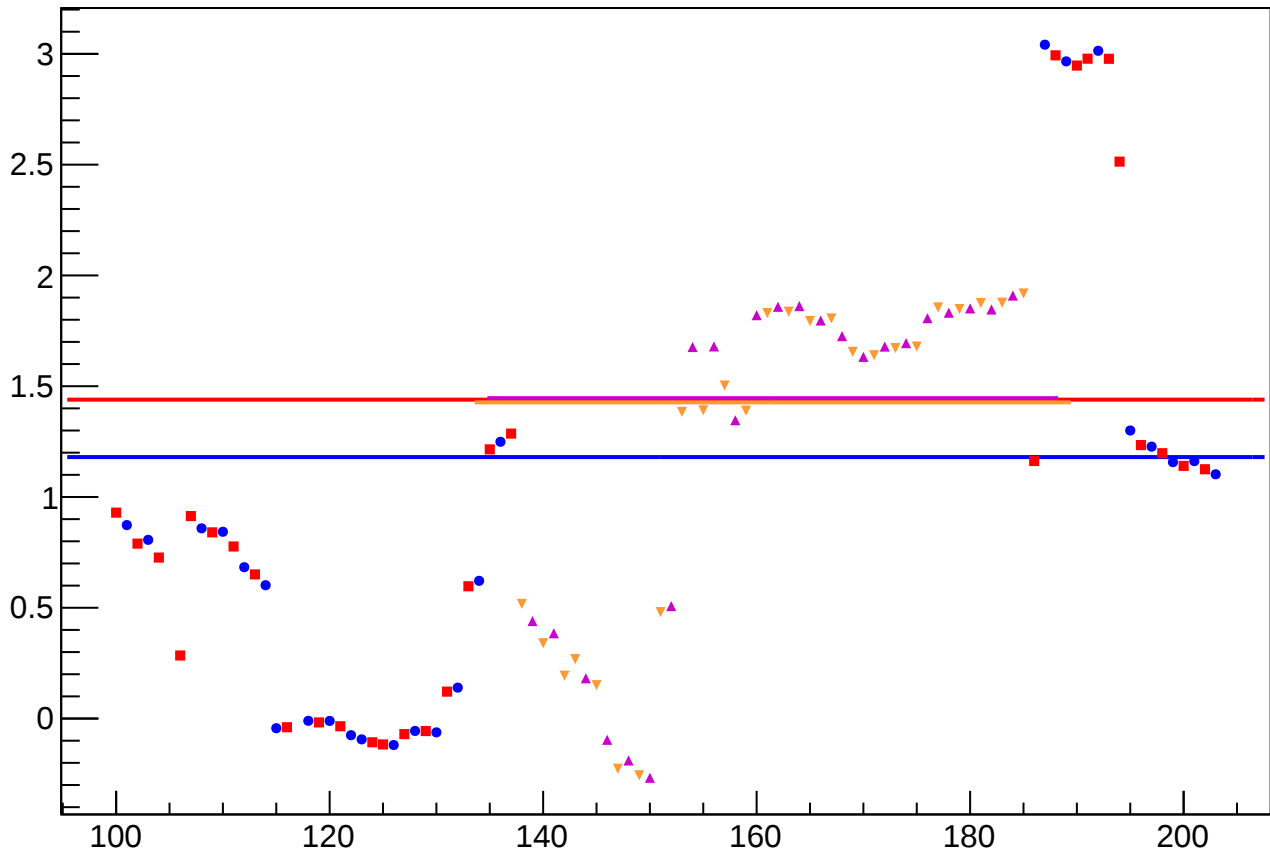
Left In: 0.005+/-0.000 χ^2/NDF :2237666.9/22

+ sign 0.004+/-0.000 χ^2/NDF : 9307595.9/49

All: 0.003+/-0.000 χ^2/NDF : 19547901.4/101

- sign 0.003+/-0.000 χ^2/NDF : 10154513.4/51

yield_bpm1i06X_mean vs Slug



Right In: 1.180 $\pm$ 0.000 χ^2 /NDF: 72635127084.5/24

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.439 $\pm$ 0.000 χ^2 /NDF: 98892735836.4/28

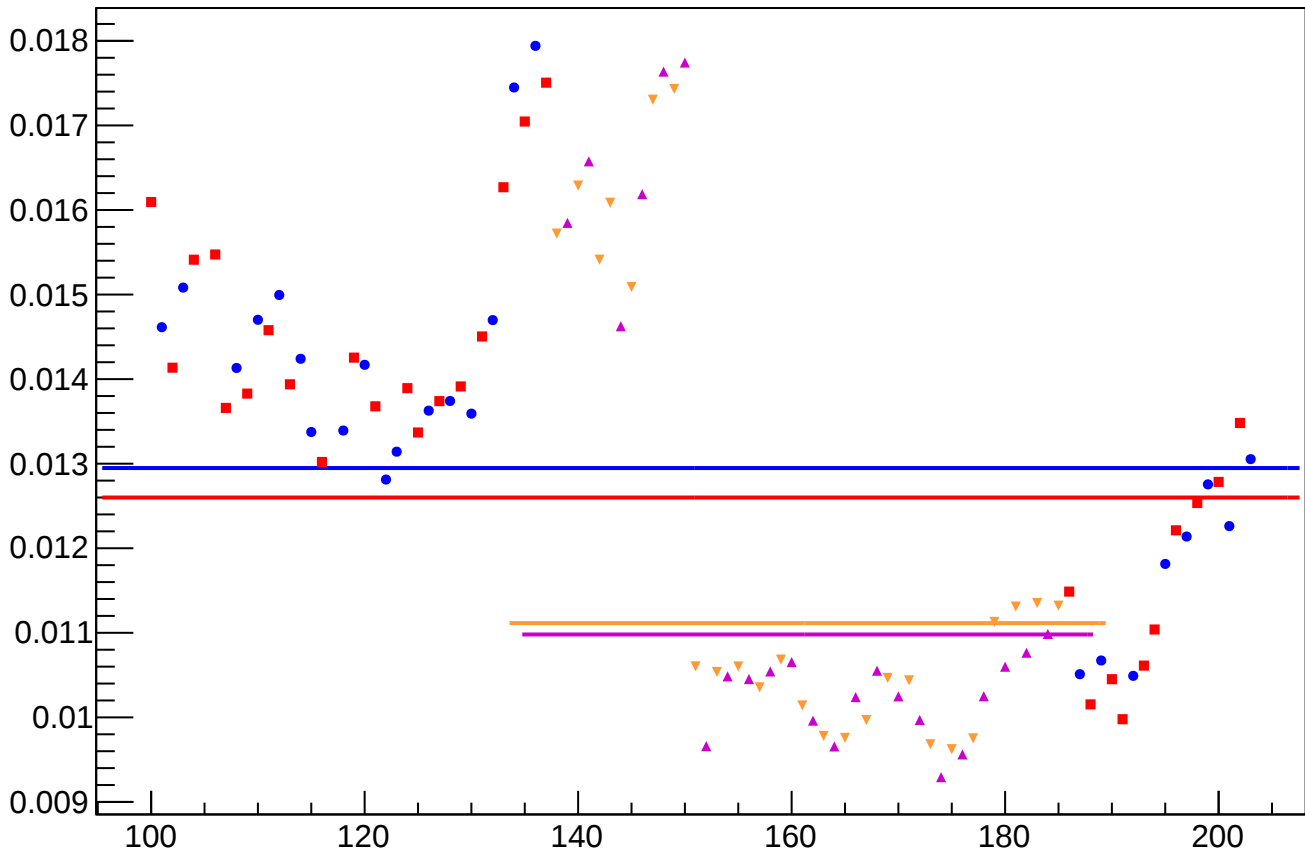
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.345 $\pm$ 0.000 χ^2 /NDF: 125508503586.7/49

All: 1.395 $\pm$ 0.000 χ^2 /NDF: 279209732269.9

- sign 1.444 $\pm$ 0.000 χ^2 /NDF: 152647567214.5/51

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 434794.4/24

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 553075.6/28

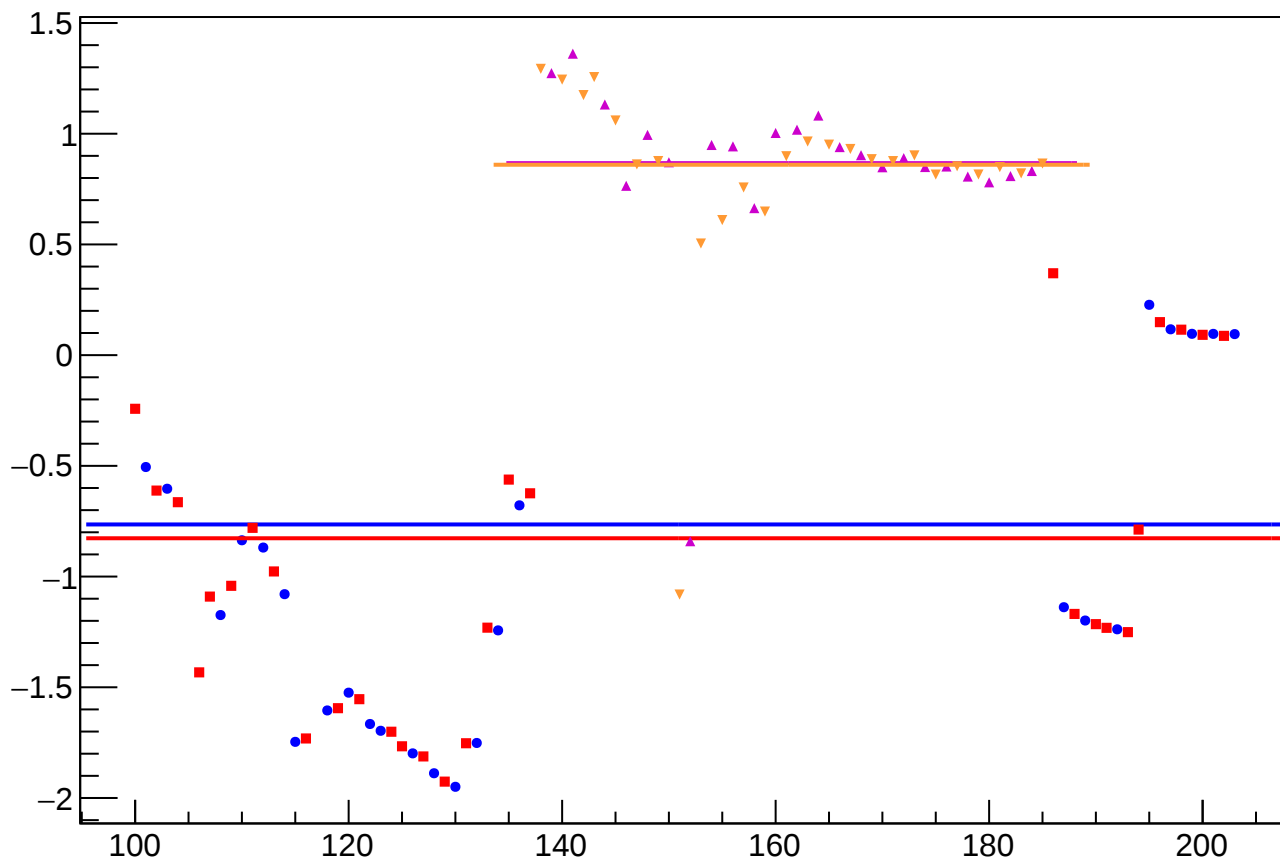
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 1980507.6/49

All: 0.012+/-0.000 χ^2/NDF : 4071849.5/101

- sign 0.012+/-0.000 χ^2/NDF : 2087131.2/51

yield_bpm1i06Y_mean vs Slug



Right In: -0.765 ± 0.000 $\chi^2/\text{NDF}: 151049601473.1/24$

Left Out: 0.860 ± 0.000 $\chi^2/\text{NDF}: 126335891175.4/24$

Right Out: -0.827 ± 0.000 $\chi^2/\text{NDF}: 132072113054.4/28$

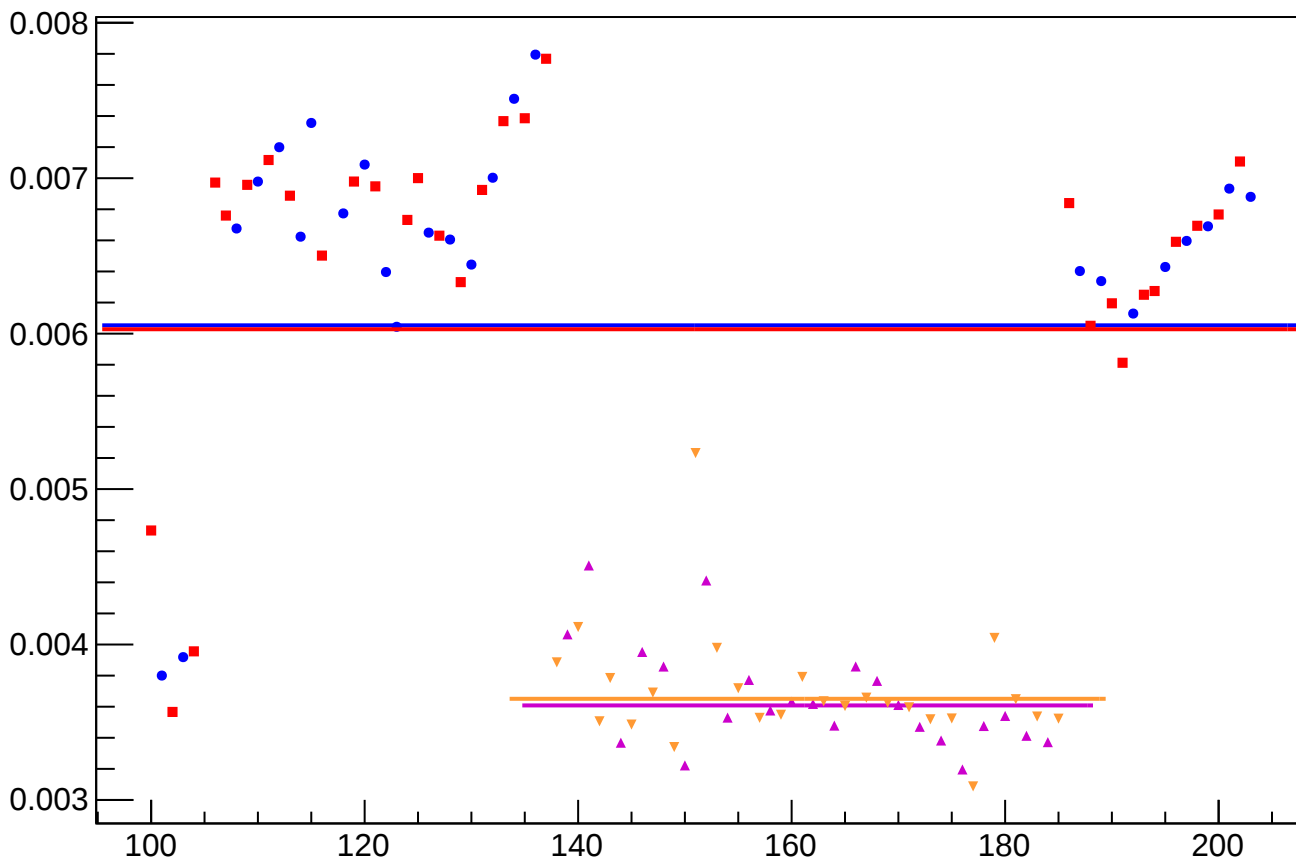
Left In: 0.867 ± 0.000 $\chi^2/\text{NDF}: 147039402944.6/22$

+ sign 0.542 ± 0.000 $\chi^2/\text{NDF}: 923827463099.0/49$

All: 0.520 ± 0.000 $\chi^2/\text{NDF}: 1960690911289.$

- sign 0.497 ± 0.000 $\chi^2/\text{NDF}: 1035293033635.6/51$

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 958241.2/24

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1043476.6/28

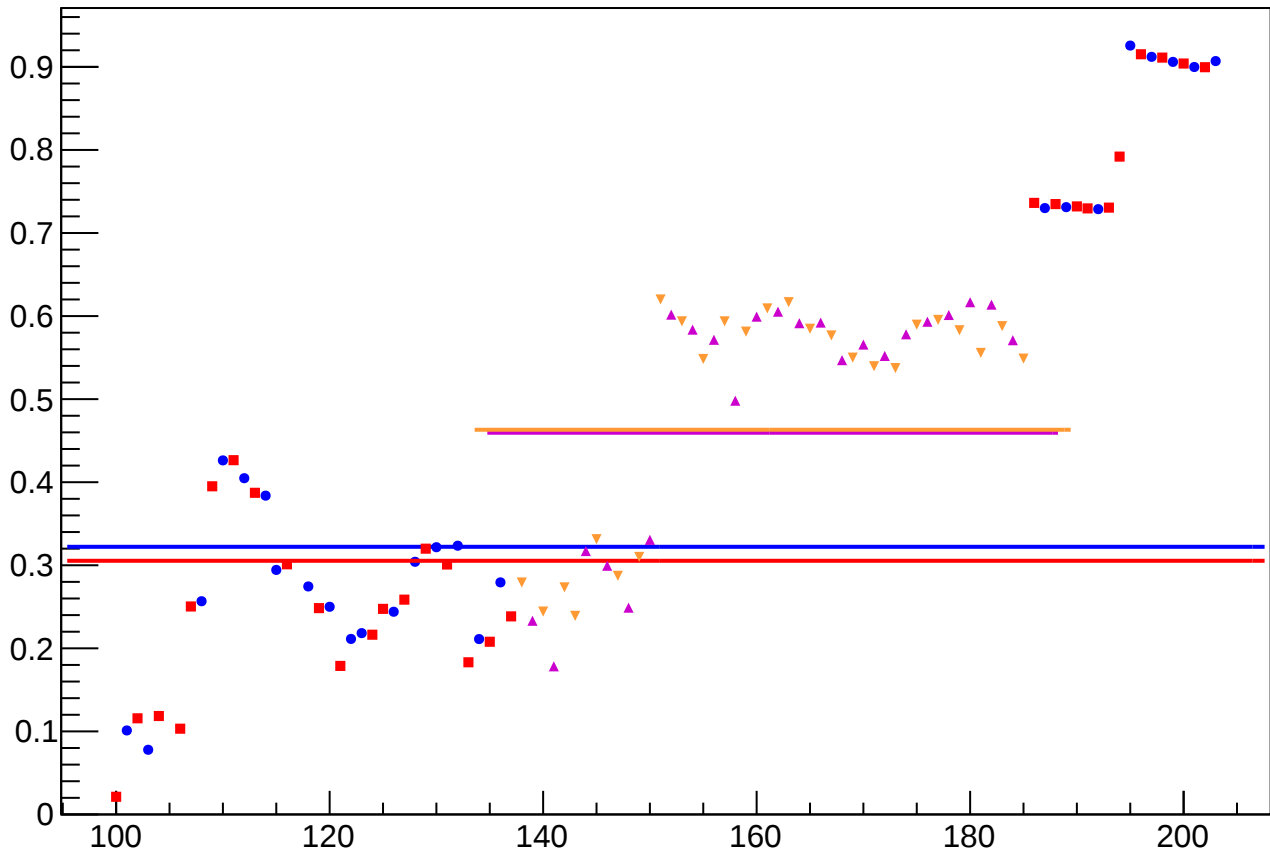
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4023663.6/49

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 8381452.5/101

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4357392.1/51

yield_bpm2i01X_mean vs Slug



Right In: 0.322 $\pm$ 0.000 χ^2 /NDF: 120763909218.8/24

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF: 102506270538.7/24

Right Out: 0.305 $\pm$ 0.000 χ^2 /NDF: 134872114241.9/28

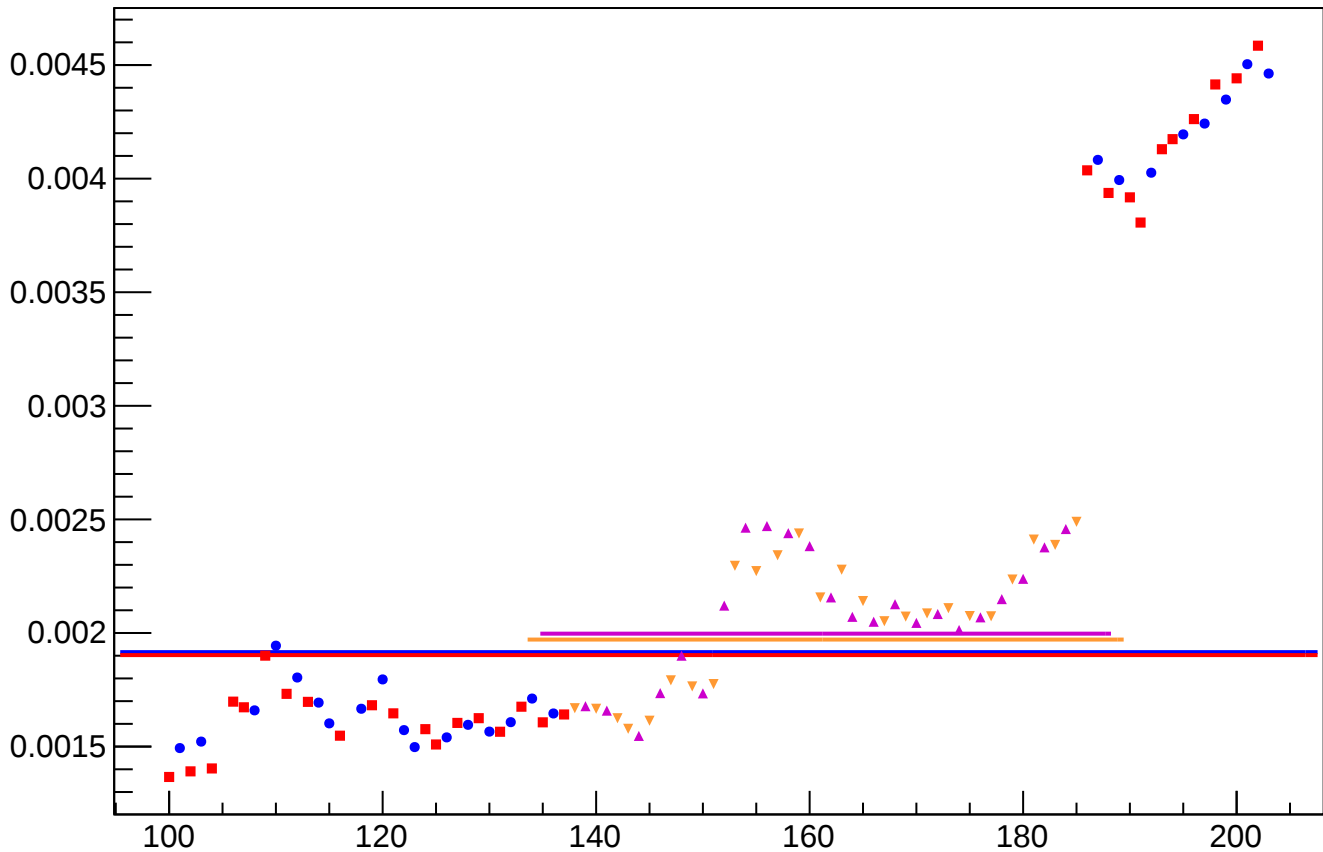
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF: 104559088628.4/22

+ sign 0.411 $\pm$ 0.000 χ^2 /NDF: 257361383817.9/49

All: 0.403 $\pm$ 0.000 χ^2 /NDF: 539981040243.2

- sign 0.394 $\pm$ 0.000 χ^2 /NDF: 281669310057.4/51

yield_bpm2i01X_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3794834.2/24

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:730203.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 4408302.8/28

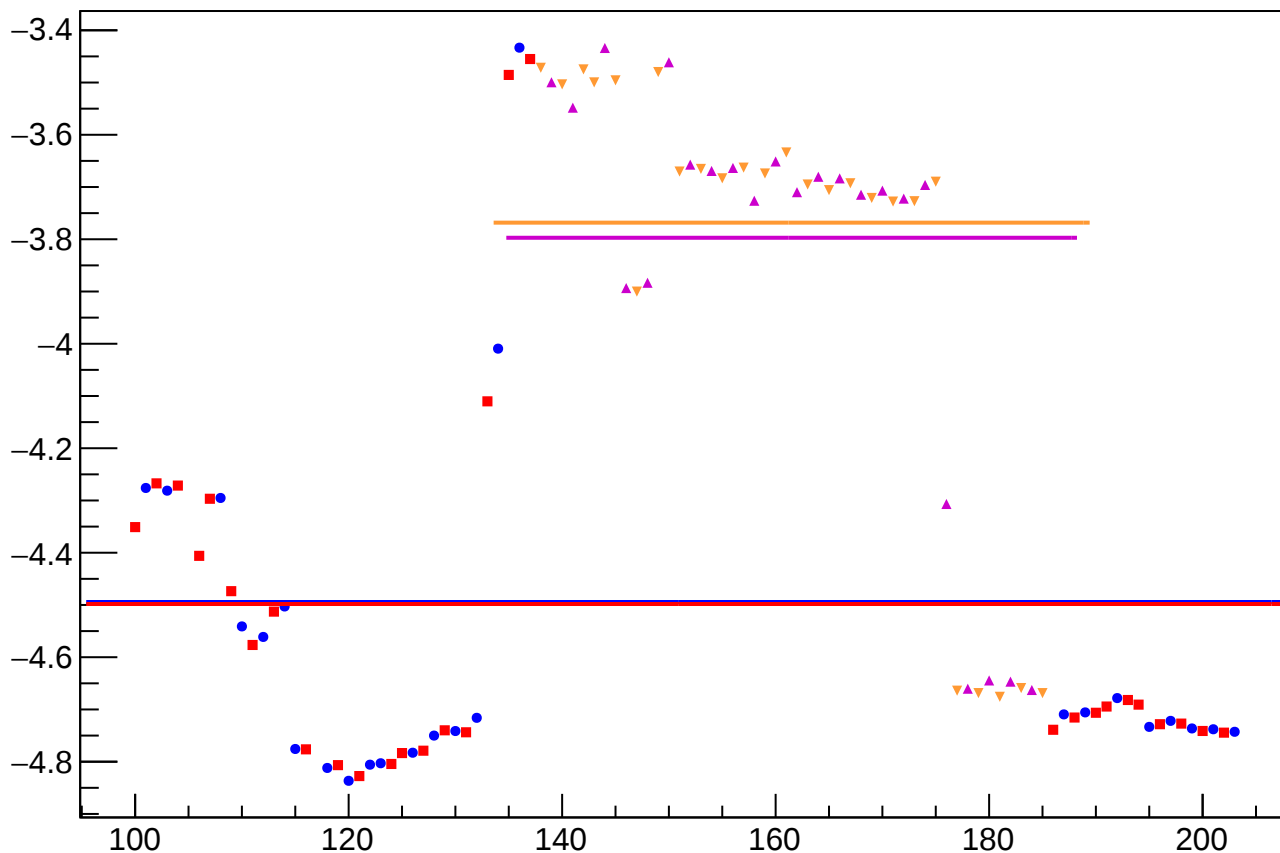
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:666404.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4535558.9/49

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 9642261.1/101

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5106365.4/51

yield_bpm2i01Y_mean vs Slug



Right In: -4.494+/-0.000 χ^2/NDF : 425736352602.2/24

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.498+/-0.000 χ^2/NDF : 362295866489.5/28

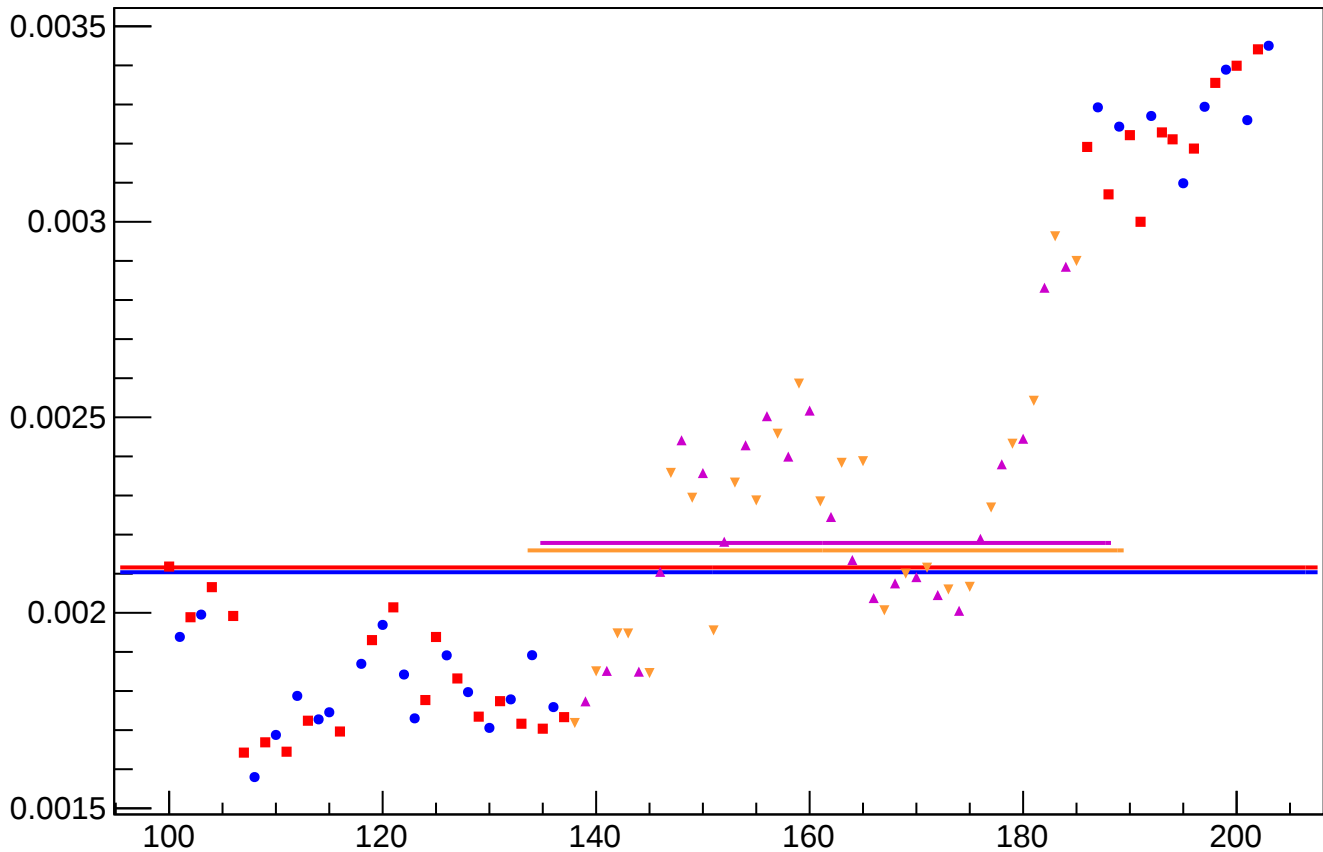
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.056+/-0.000 χ^2/NDF : 1738540157022.0/4

All: -4.079+/-0.000 χ^2/NDF : 3310298874162

- sign -4.102+/-0.000 χ^2/NDF : 1565109220732.7/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1825836.9/24

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:547831.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2042844.1/28

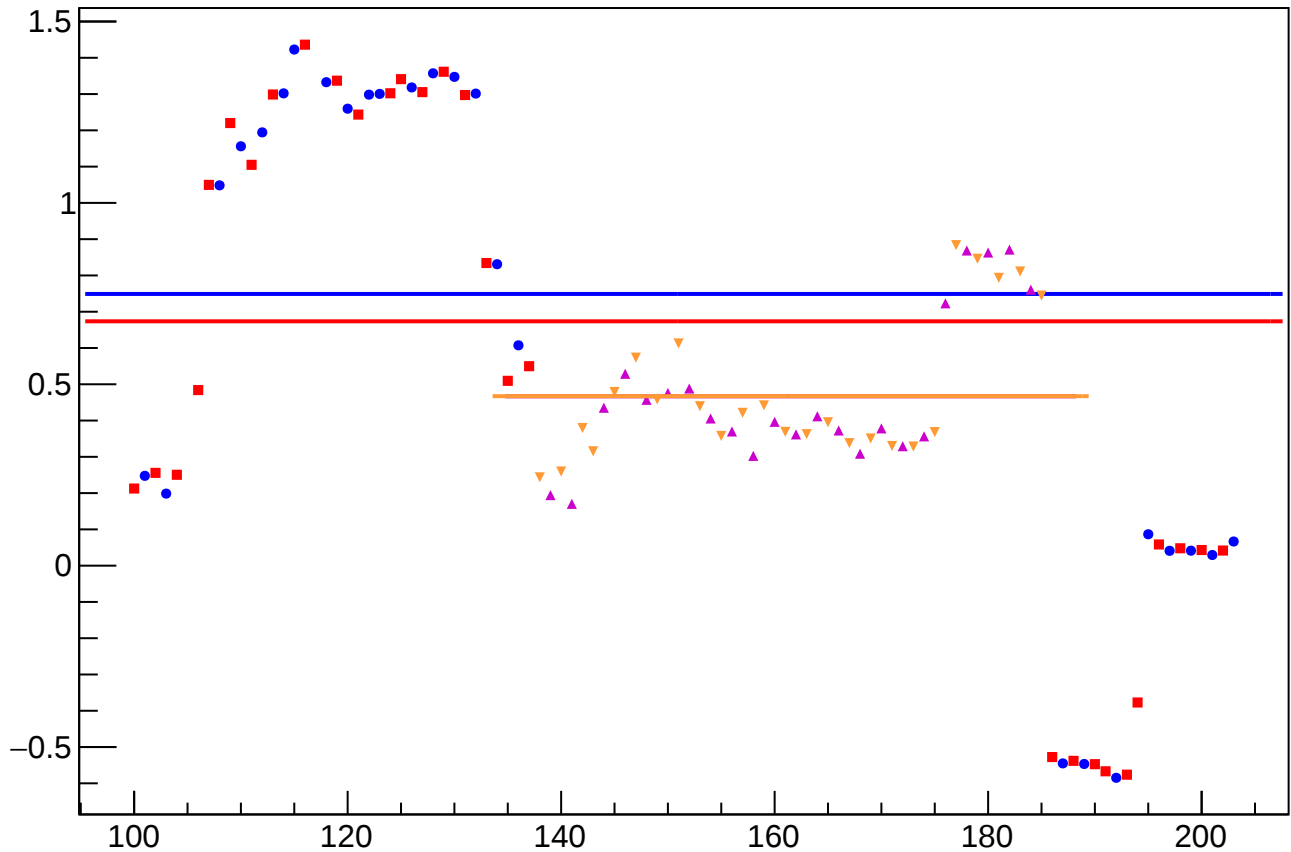
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2383087.0/49

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 4902531.5/101

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2518211.0/51

yield_bpm2i02X_mean vs Slug



Right In: 0.749 ± 0.000 $\chi^2/\text{NDF}: 70439837034.2/24$

Left Out: 0.467 ± 0.000 $\chi^2/\text{NDF}: 7359344143.3/24$

+ sign 0.592 ± 0.000 $\chi^2/\text{NDF}: 85167358932.3/49$

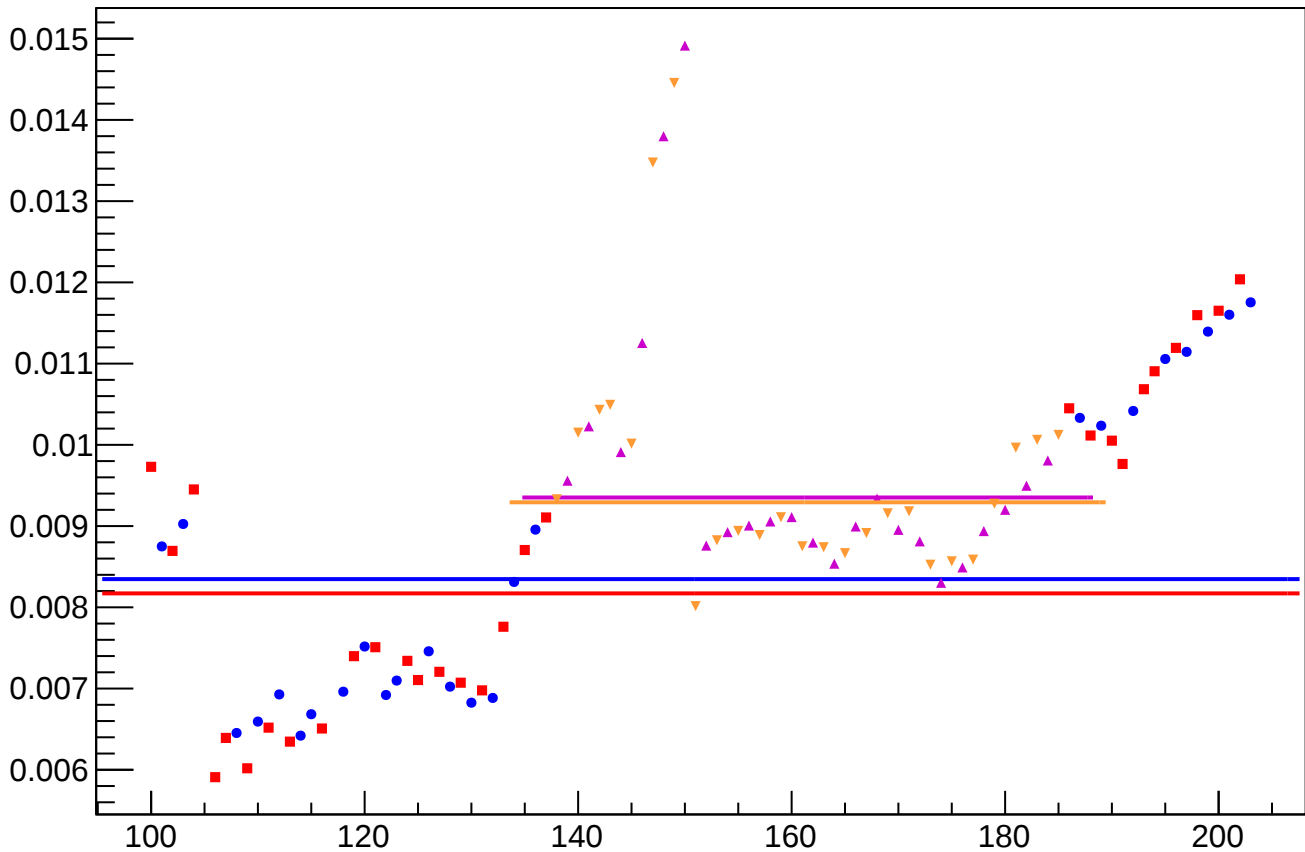
Right Out: 0.674 ± 0.000 $\chi^2/\text{NDF}: 91938427897.6/28$

All: 0.581 ± 0.000 $\chi^2/\text{NDF}: 189360258964.7$

- sign 0.569 ± 0.000 $\chi^2/\text{NDF}: 104092109077.0/51$

Left In: 0.467 ± 0.000 $\chi^2/\text{NDF}: 8036741308.0/22$

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1106836.6/24

Left Out: 0.009+/-0.000 χ^2/NDF :528279.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1400913.0/28

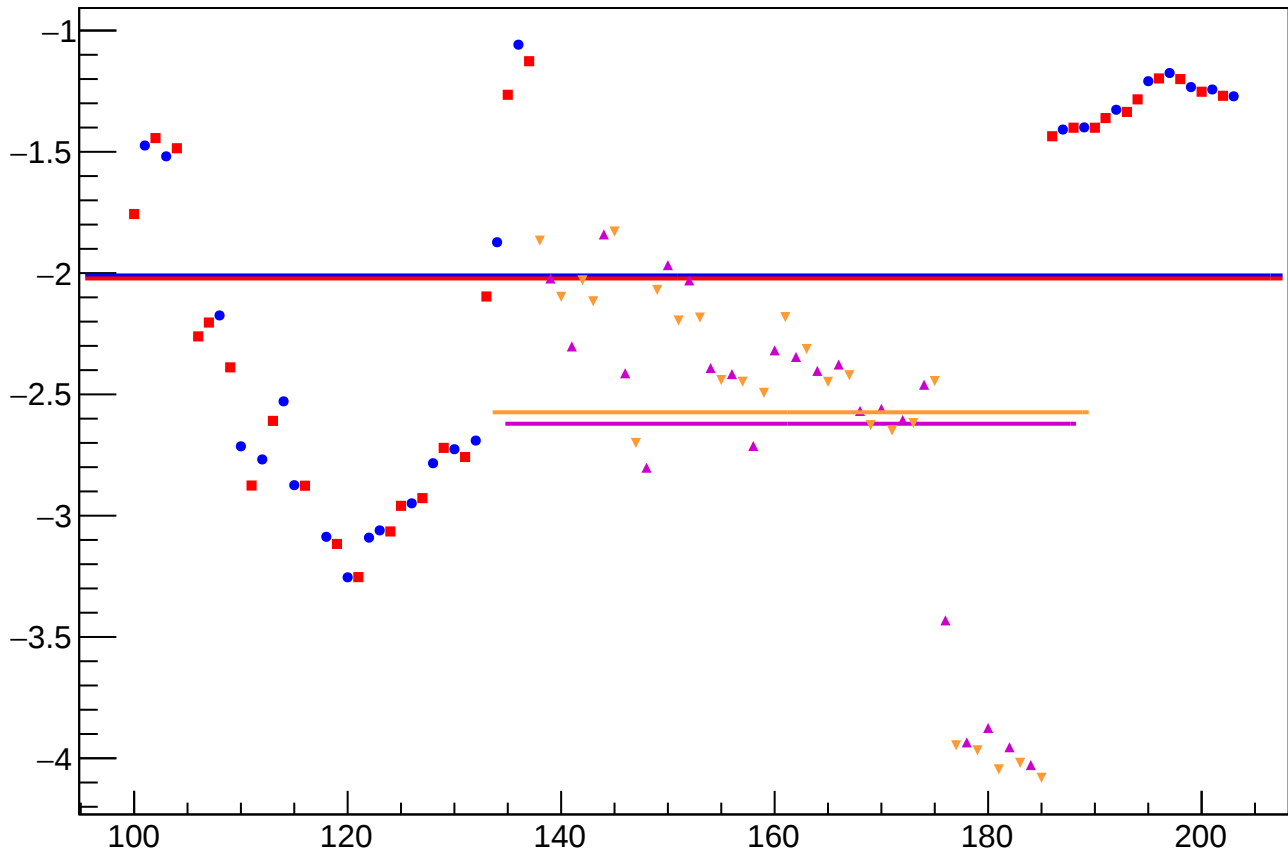
Left In: 0.009+/-0.000 χ^2/NDF :557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 1801026.6/49

All: 0.009+/-0.000 χ^2/NDF : 4032224.6/101

- sign 0.009+/-0.000 χ^2/NDF : 2226902.3/51

yield_bpm2i02Y_mean vs Slug



Right In: -2.010 ± 0.000 $\chi^2/\text{NDF}: 117113307342.4/24$

Left Out: -2.574 ± 0.000 $\chi^2/\text{NDF}: 99176112704.9/24$

Right Out: -2.022 ± 0.000 $\chi^2/\text{NDF}: 114103812569.8/28$

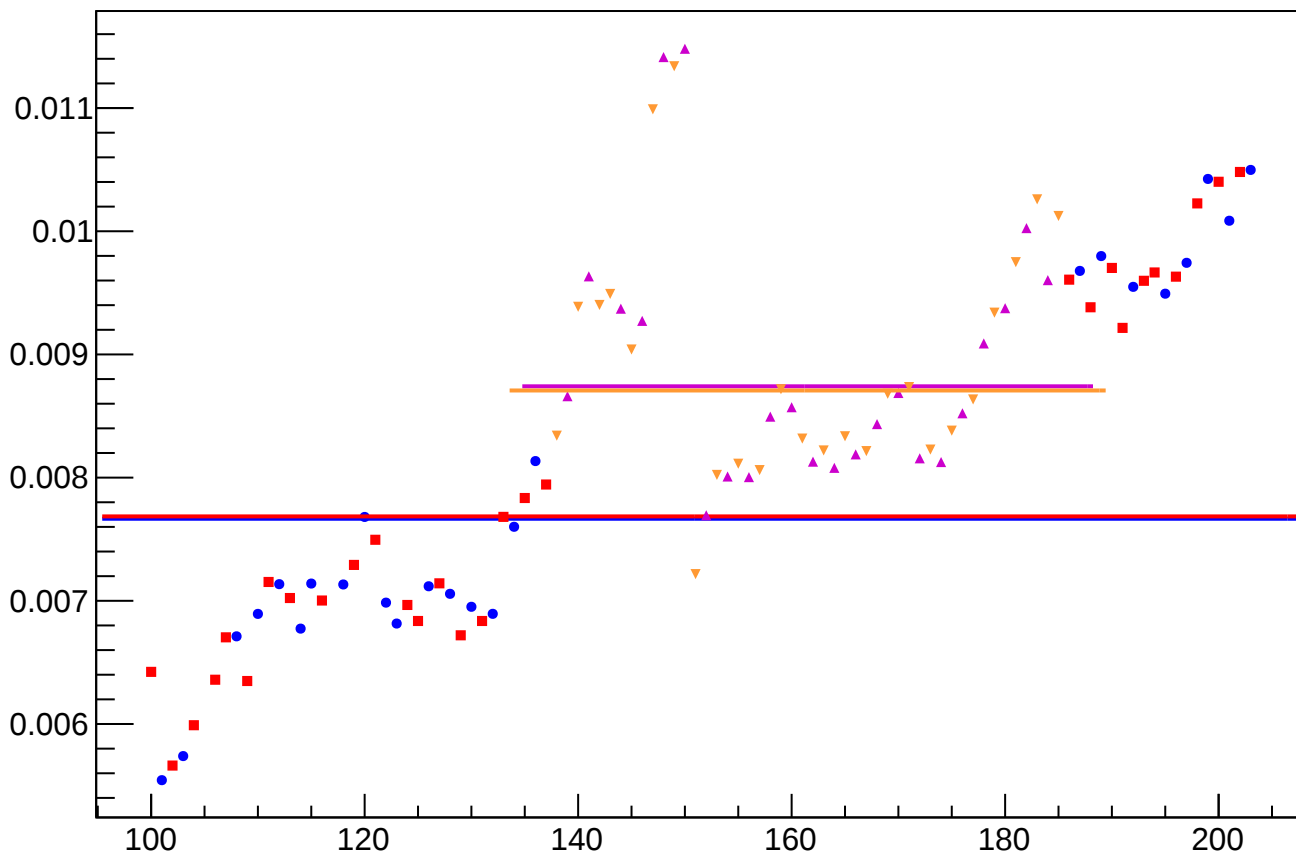
Left In: -2.621 ± 0.000 $\chi^2/\text{NDF}: 80862402796.4/22$

+ sign -2.317 ± 0.000 $\chi^2/\text{NDF}: 250917071323.2/49$

All: -2.321 ± 0.000 $\chi^2/\text{NDF}: 485684847386.9$

- sign -2.325 ± 0.000 $\chi^2/\text{NDF}: 234756718556.7/51$

yield_bpm2i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 966040.3/24

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:369376.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 989998.6/28

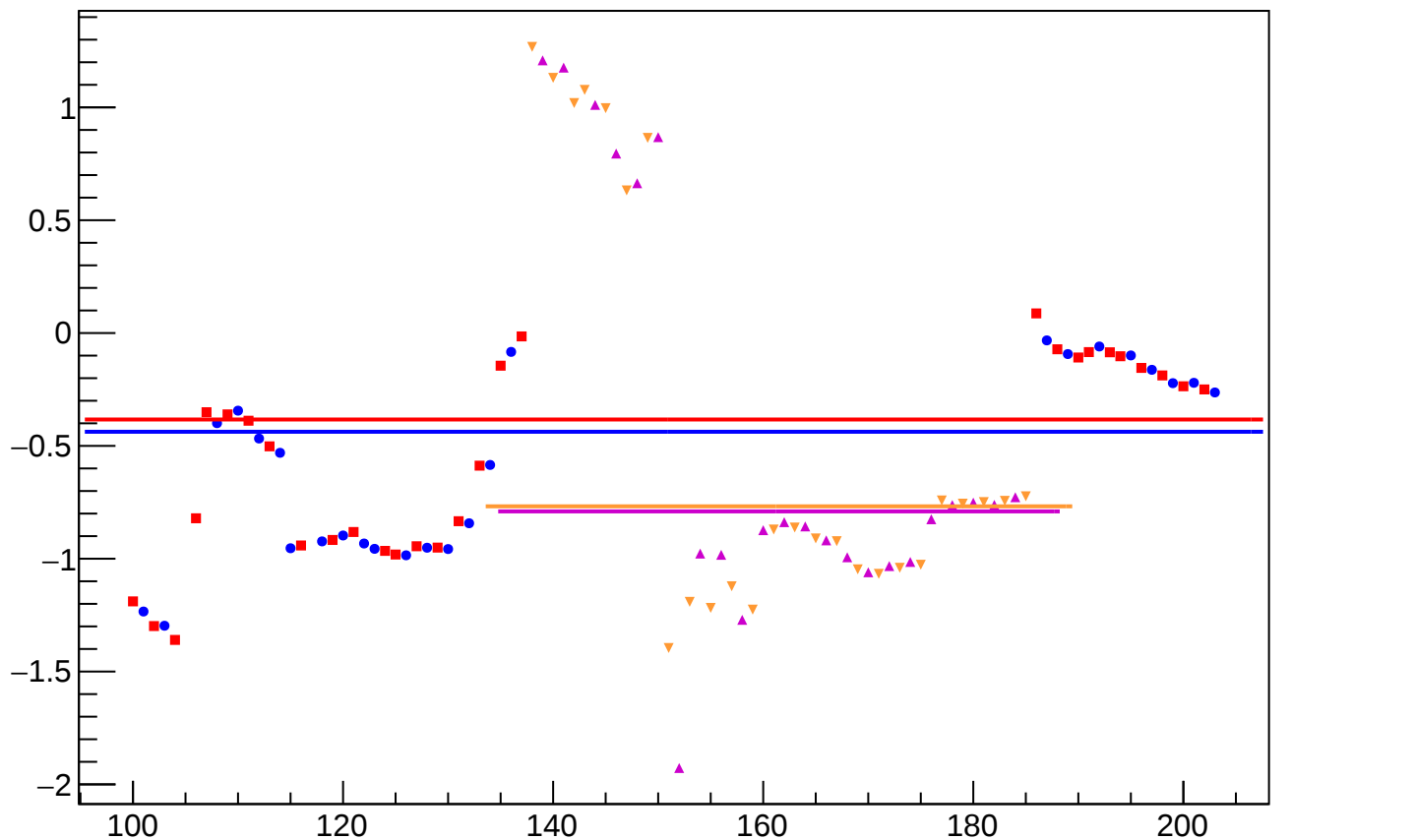
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:353750.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1571335.4/49

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3162690.4/101

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1591243.4/51

yield_bpm0i01X_mean vs Slug



Right In: -0.437 ± 0.000 χ^2/NDF : 22142531345.1/24

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.383 ± 0.000 χ^2/NDF : 24928878598.7/28

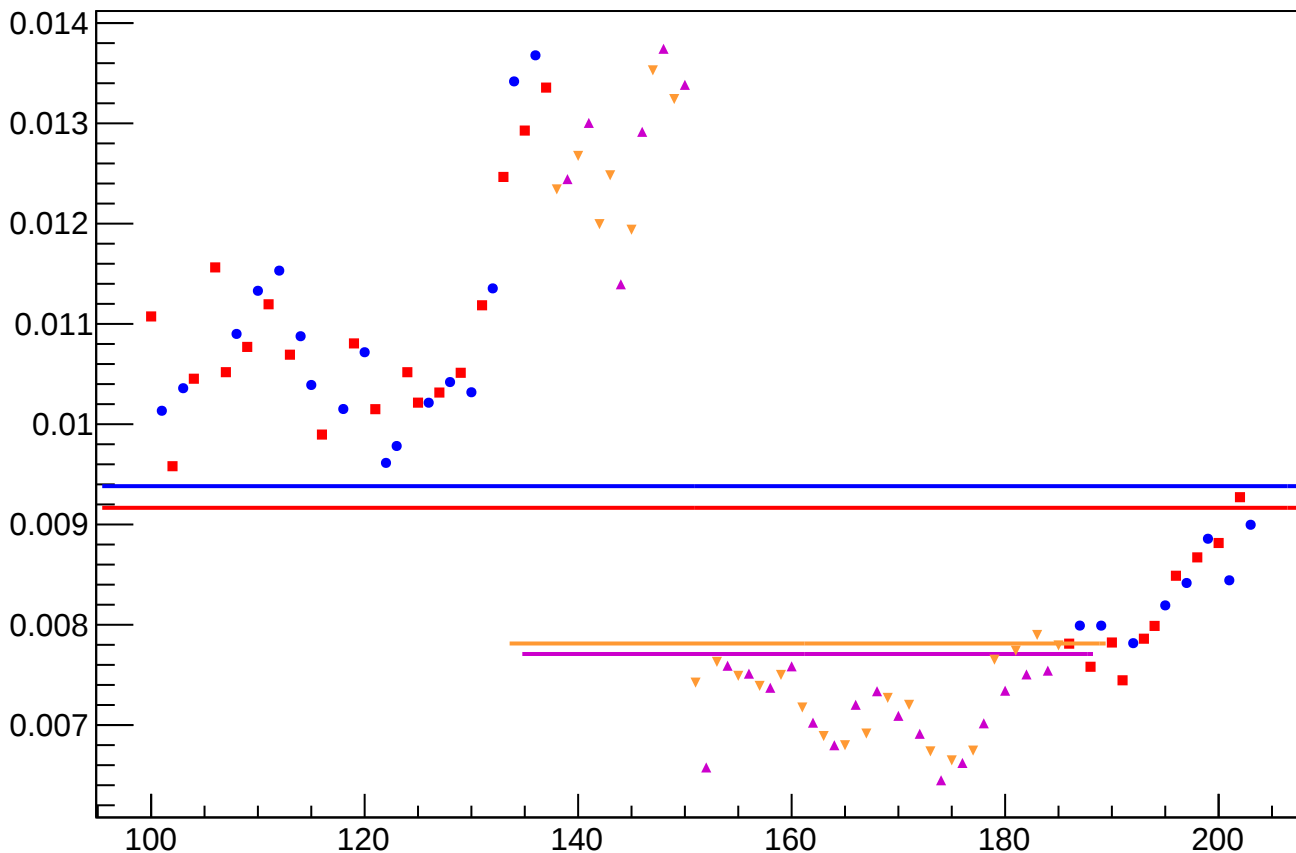
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.662 ± 0.000 χ^2/NDF : 152807026157.7/49

All: -0.652 ± 0.000 χ^2/NDF : 317538739224.7

- sign -0.643 ± 0.000 χ^2/NDF : 164662790299.9/51

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 539184.2/24

Left Out: 0.008+/-0.000 χ^2/NDF :1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 628000.2/28

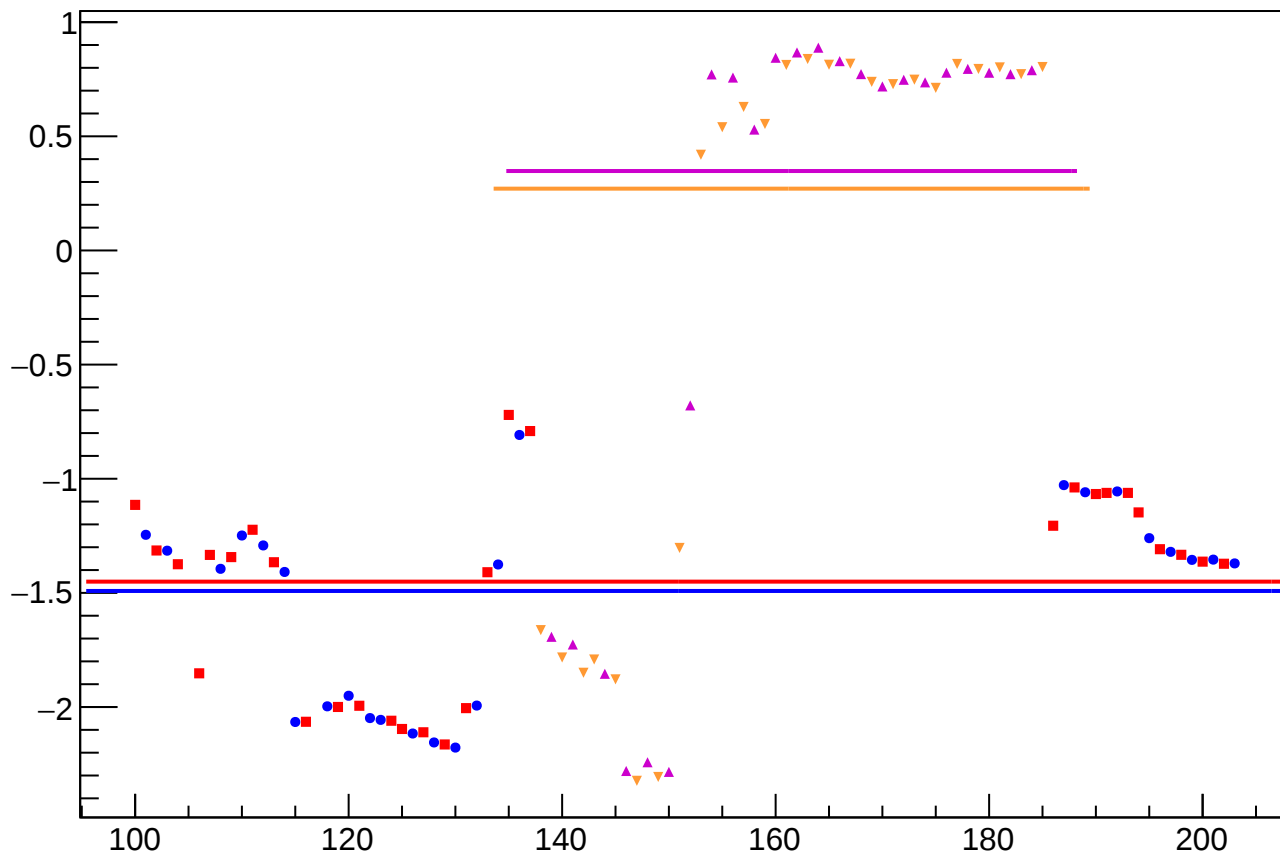
Left In: 0.008+/-0.000 χ^2/NDF :1746653.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2691325.9/49

All: 0.008+/-0.000 χ^2/NDF : 5486050.7/101

- sign 0.008+/-0.000 χ^2/NDF : 2791799.4/51

yield_bpm0i01Y_mean vs Slug



Right In: -1.492 ± 0.000 $\chi^2/\text{NDF}: 173534077069.2/24$

Left Out: 0.271 ± 0.000 $\chi^2/\text{NDF}: 2583233987355.9/24$

Right Out: -1.451 ± 0.000 $\chi^2/\text{NDF}: 163794111152.0/28$

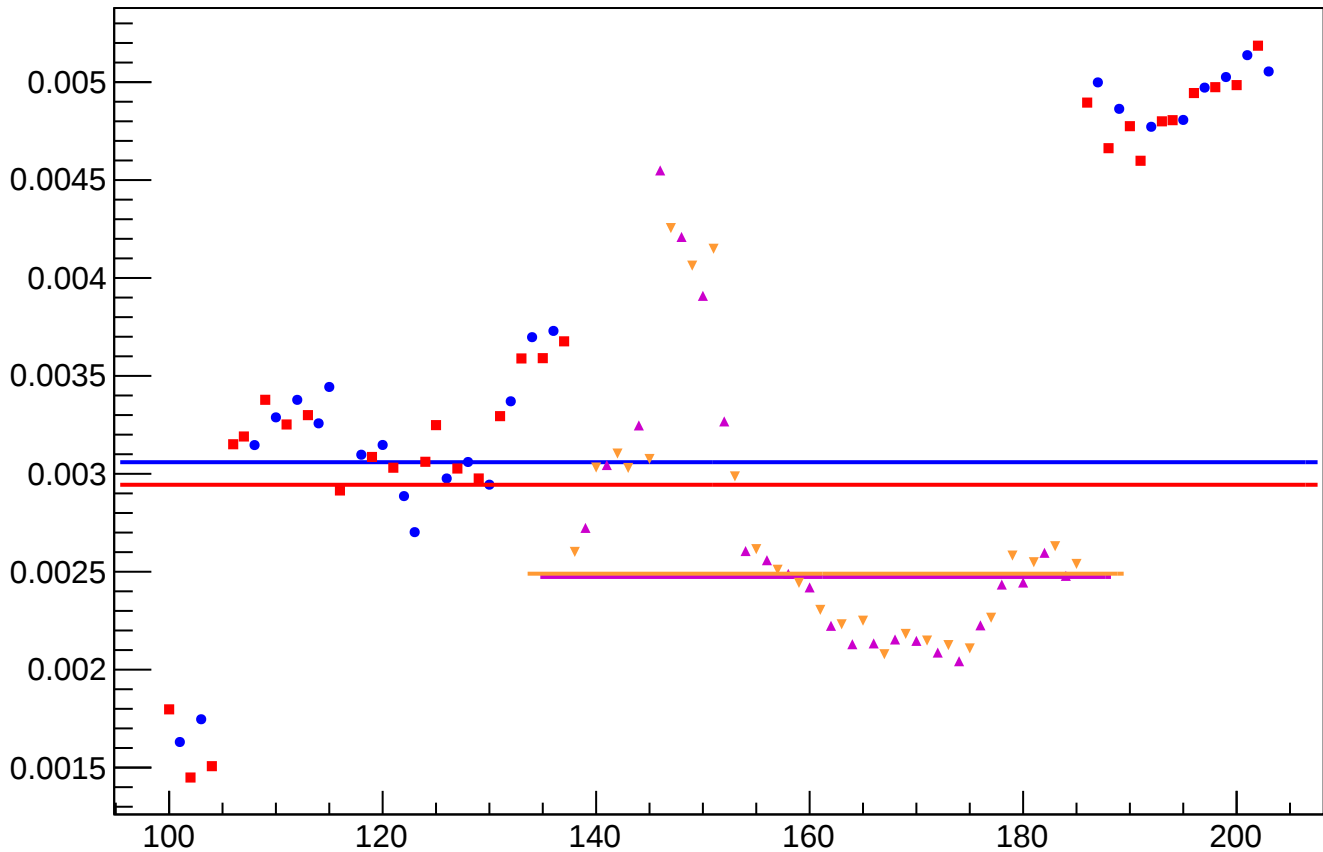
Left In: 0.348 ± 0.000 $\chi^2/\text{NDF}: 2274004426513.8/22$

+ sign -0.240 ± 0.000 $\chi^2/\text{NDF}: 5114637832487.5/4$

All: -0.243 ± 0.000 $\chi^2/\text{NDF}: 1021040573004$

- sign -0.247 ± 0.000 $\chi^2/\text{NDF}: 5095656642163.0/5$

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 2973117.2/24

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1070282.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 3962556.7/28

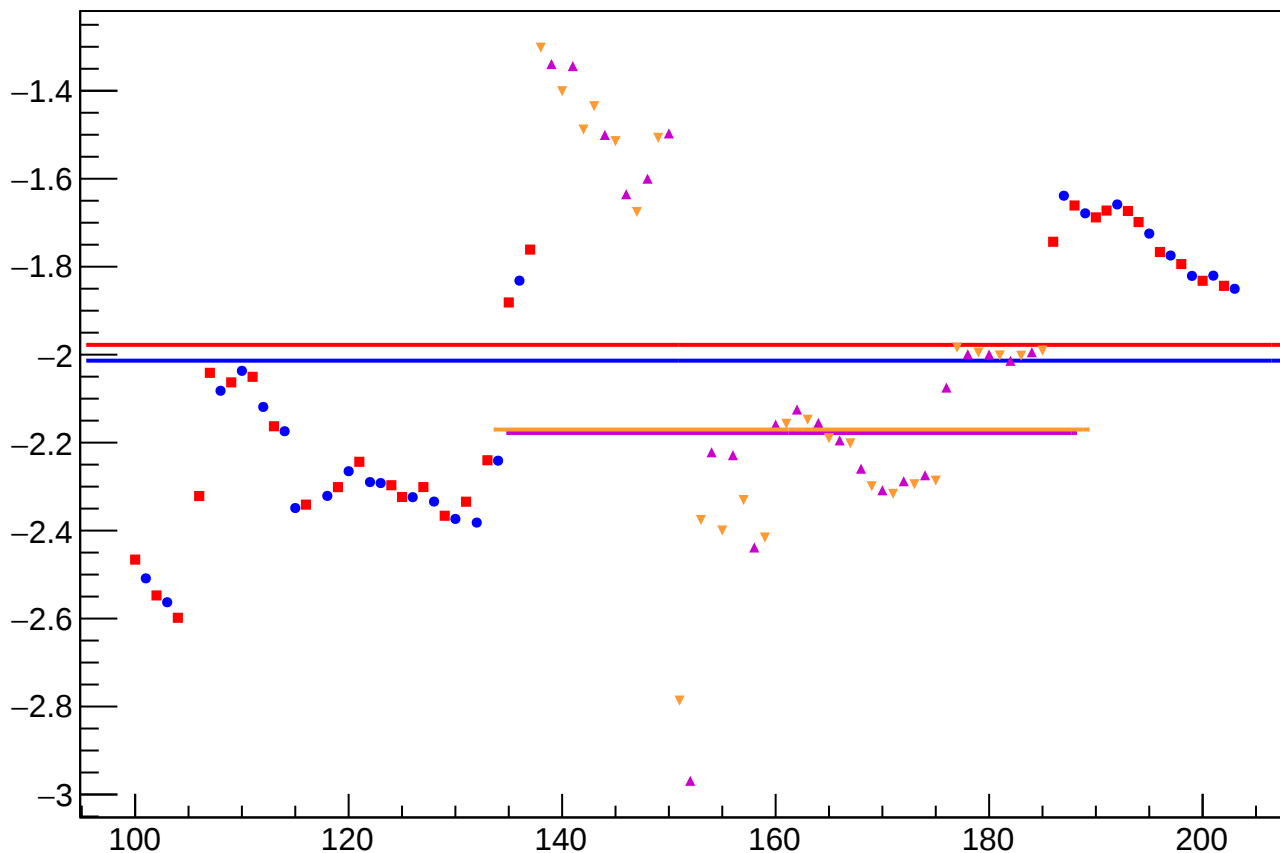
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4535514.8/49

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 9999746.7/101

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5461787.4/51

yield_bpm0i01aX_mean vs Slug



Right In: -2.014+/-0.000 χ^2 /NDF: 29727004043.0/24

Left Out: -2.170+/-0.000 χ^2 /NDF: 59967315241.9/24

Right Out: -1.978+/-0.000 χ^2 /NDF: 34280971183.8/28

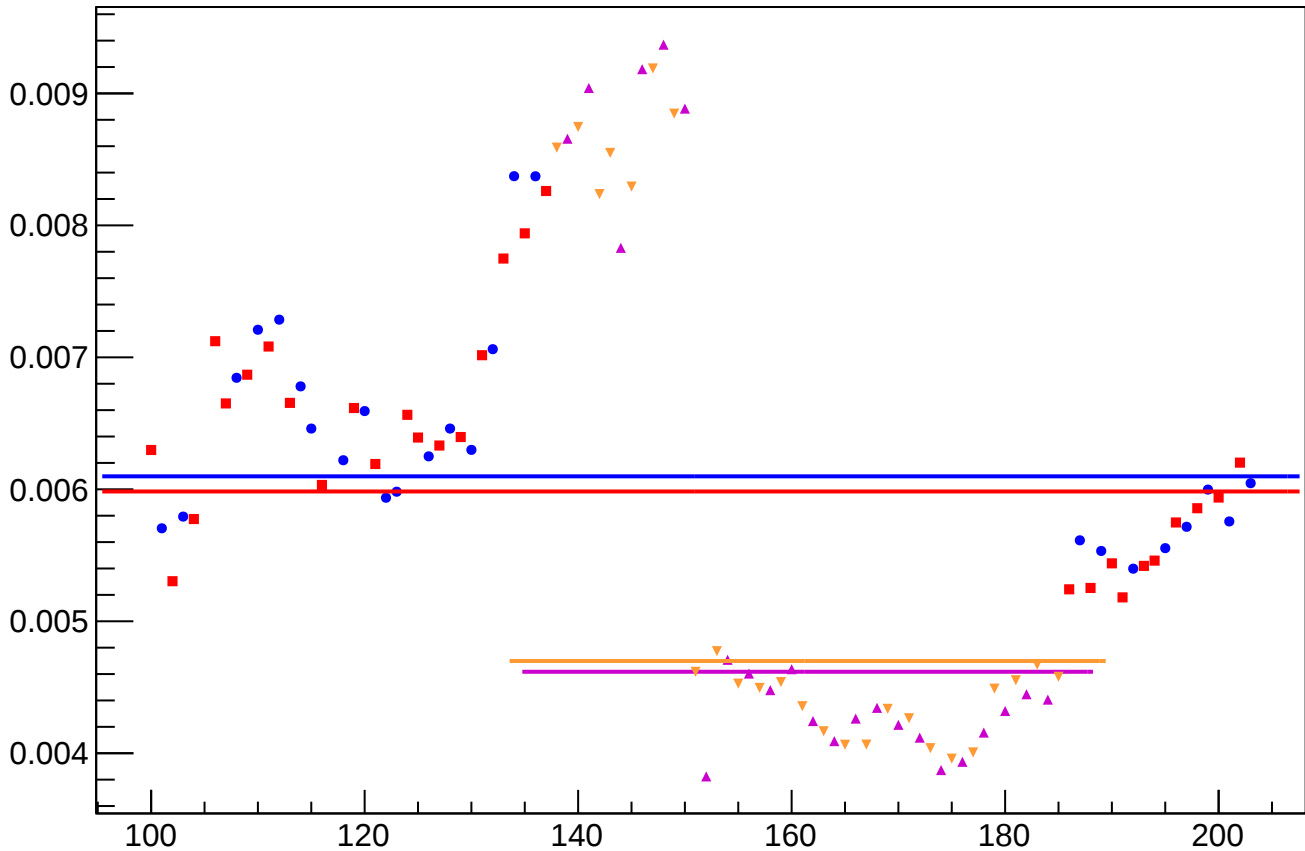
Left In: -2.178+/-0.000 χ^2 /NDF: 73402051113.3/22

+ sign -2.124+/-0.000 χ^2 /NDF: 95160735913.8/49

All: -2.118+/-0.000 χ^2 /NDF: 212633337621.8

- sign -2.112+/-0.000 χ^2 /NDF: 117392756501.6/51

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 301767.9/24

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 350975.2/28

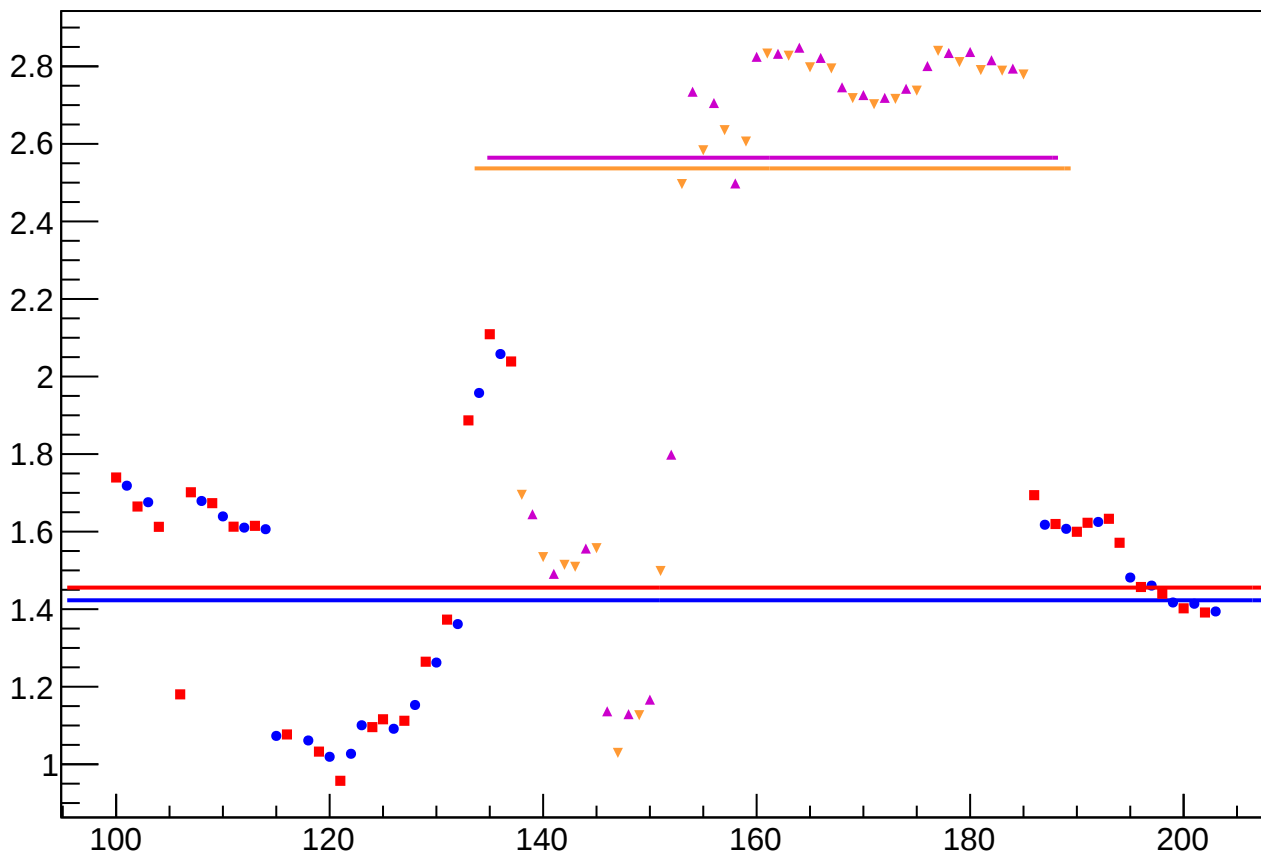
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3494169.7/49

All: 0.005+/-0.000 χ^2/NDF : 7117589.5/101

- sign 0.005+/-0.000 χ^2/NDF : 3621378.5/51

yield_bpm0i01aY_mean vs Slug



Right In: 1.423+/-0.000 χ^2/NDF : 174111332729.7/24

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.456+/-0.000 χ^2/NDF : 176801910183.6/28

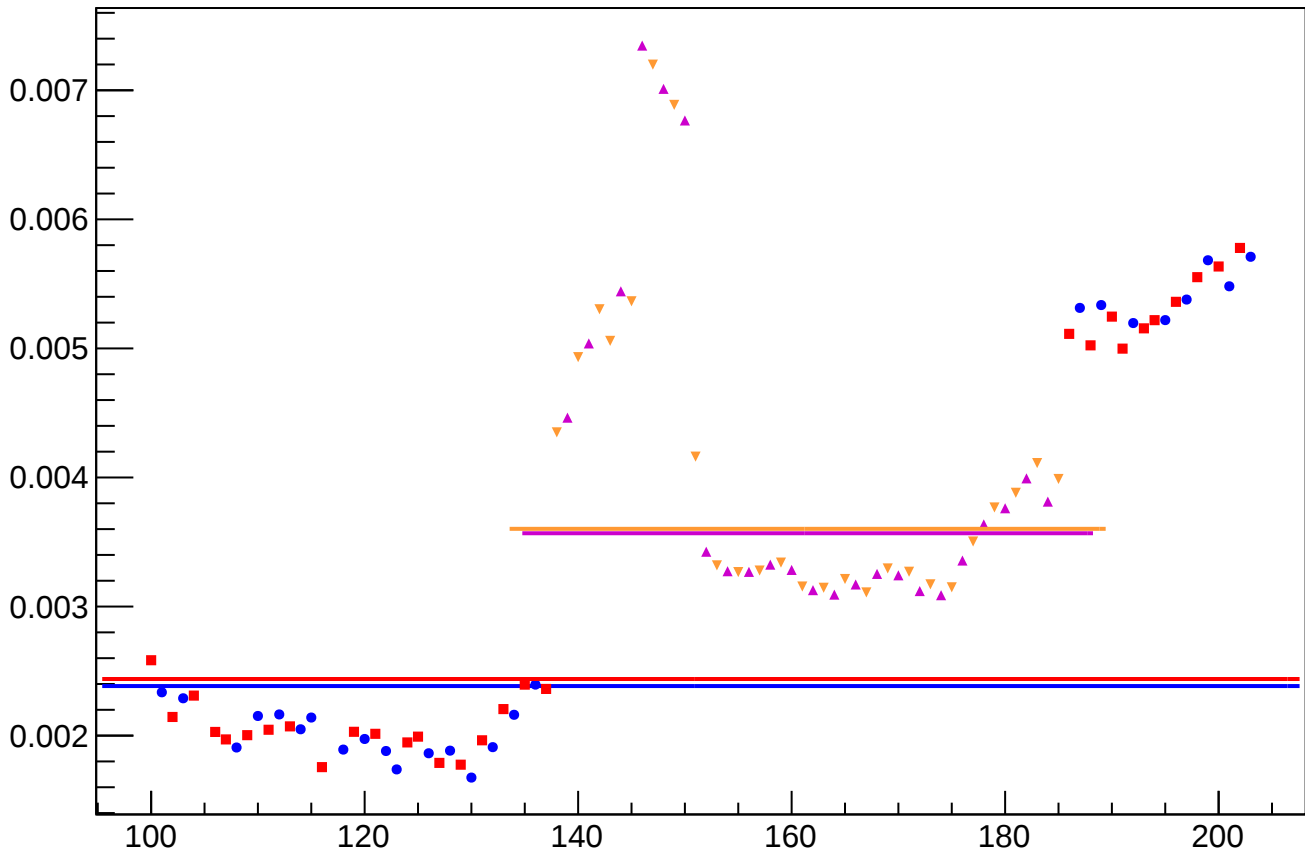
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.903+/-0.000 χ^2/NDF : 1353580711549.8/49

All: 1.904+/-0.000 χ^2/NDF : 2686488746814.

- sign 1.905+/-0.000 χ^2/NDF : 1332897030161.0/51

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3998102.3/24

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 4361300.3/28

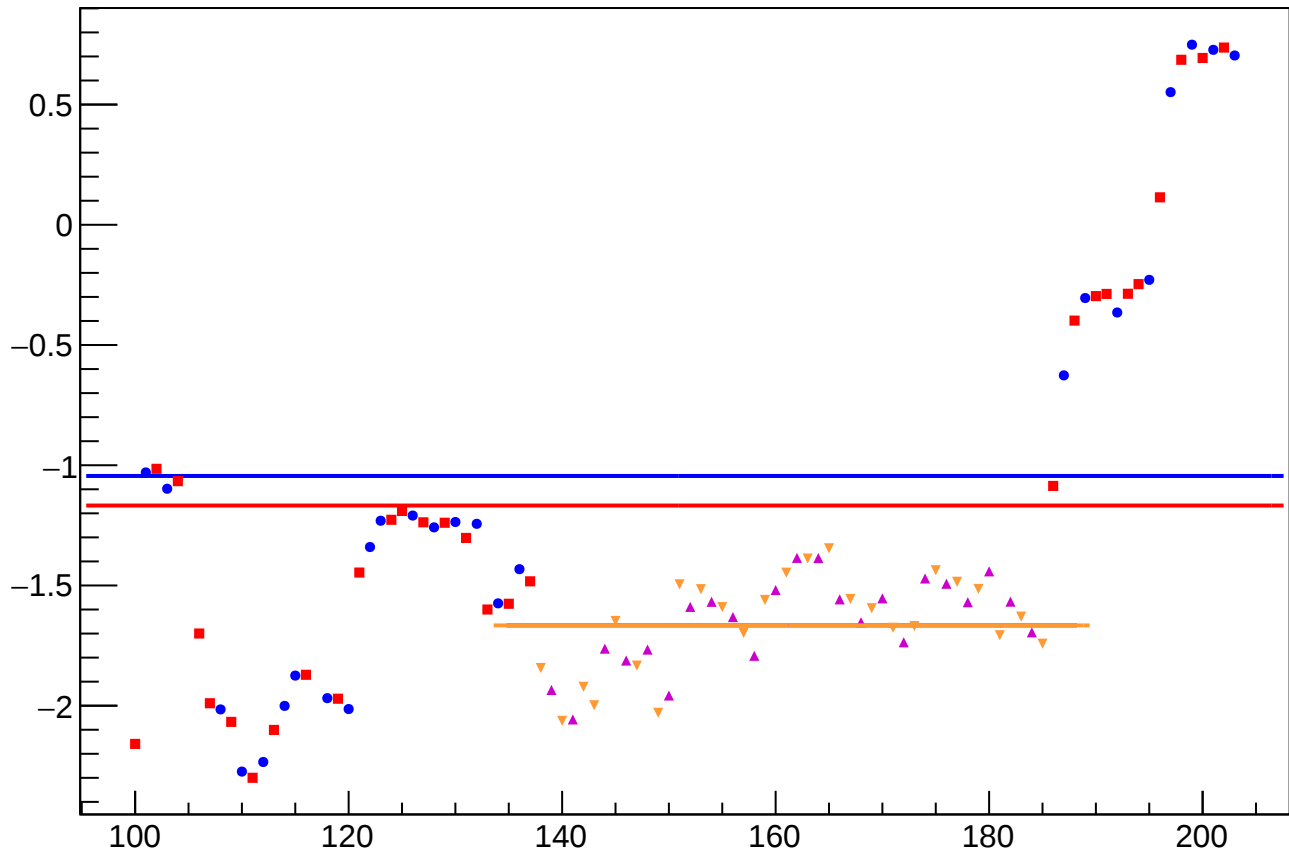
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 7585664.0/49

All: 0.003+/-0.000 χ^2/NDF : 15369201.8/101

- sign 0.003+/-0.000 χ^2/NDF : 7783106.9/51

yield_bpm0l01X_mean vs Slug



Right In: -1.045+/-0.000 χ^2/NDF : 142712236412.6/24

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.168+/-0.000 χ^2/NDF : 160553972222.3/28

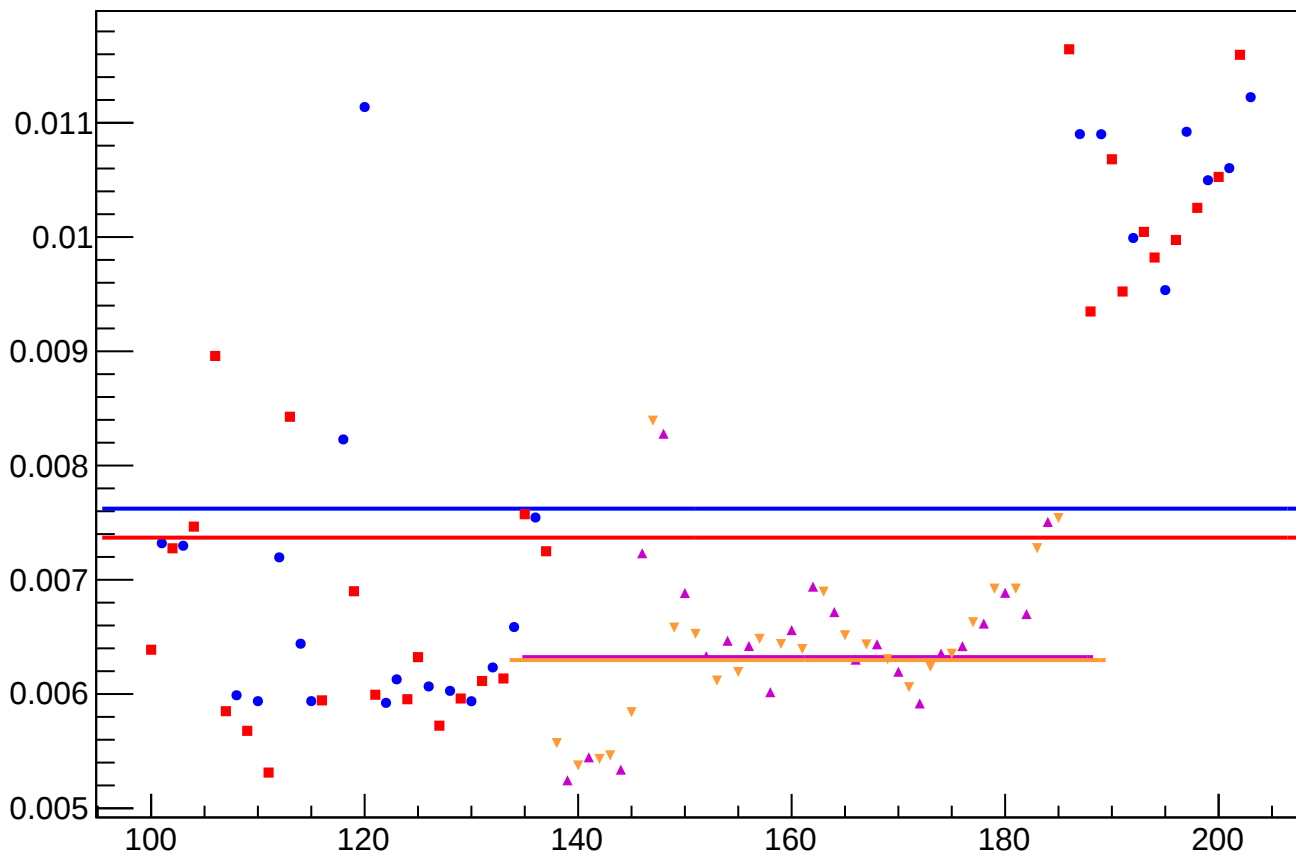
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.481+/-0.000 χ^2/NDF : 211839356891.3/49

All: -1.485+/-0.000 χ^2/NDF : 422668008488.1

- sign -1.490+/-0.000 χ^2/NDF : 210799963870.7/51

yield_bpm0l01X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1310744.3/24

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:310757.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 1545219.6/28

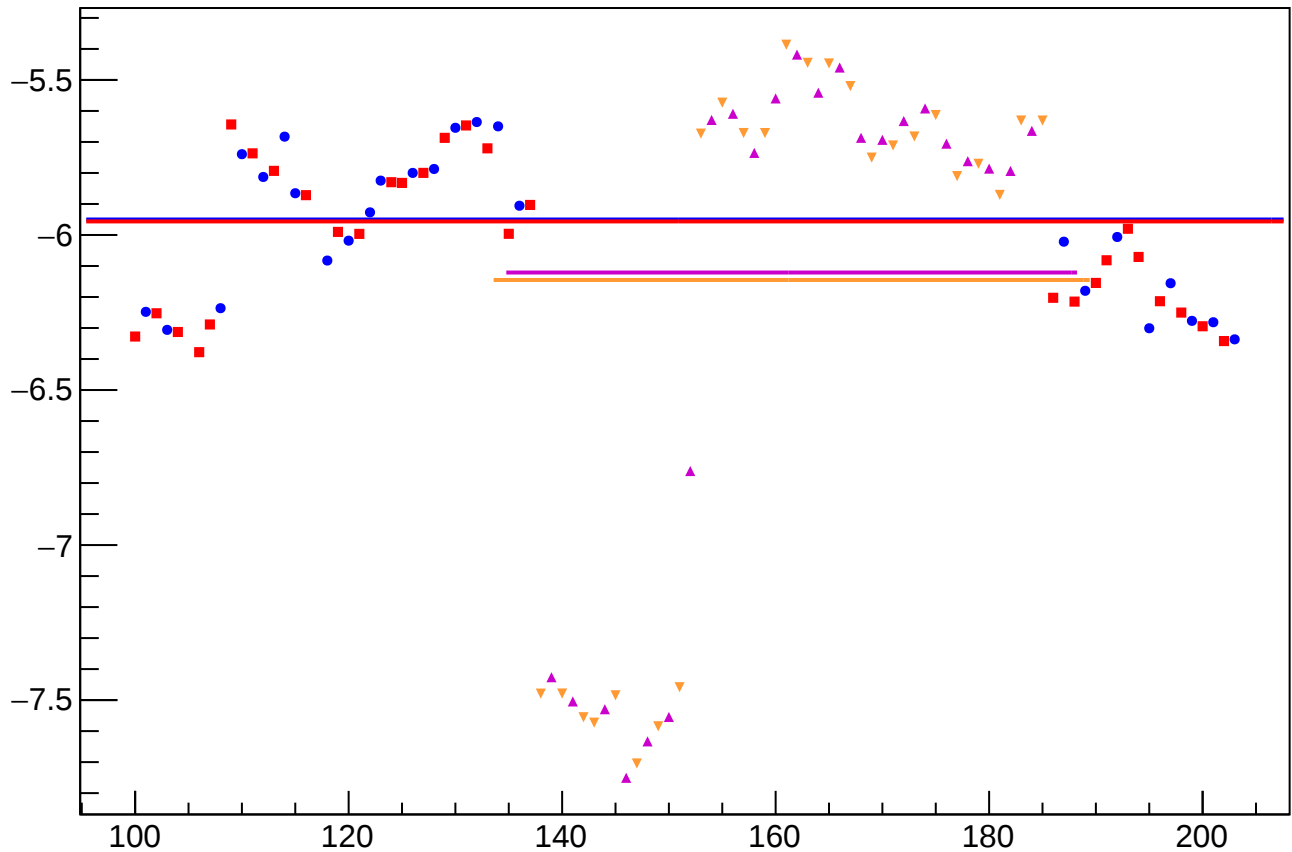
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:330859.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2083599.8/49

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 4276107.0/101

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2192506.9/51

yield_bpm0l01Y_mean vs Slug



Right In: -5.950 ± 0.000 $\chi^2/\text{NDF}: 13908367902.6/24$

Left Out: -6.145 ± 0.000 $\chi^2/\text{NDF}: 185364150237.7/24$

Right Out: -5.956 ± 0.000 $\chi^2/\text{NDF}: 15337723029.0/28$

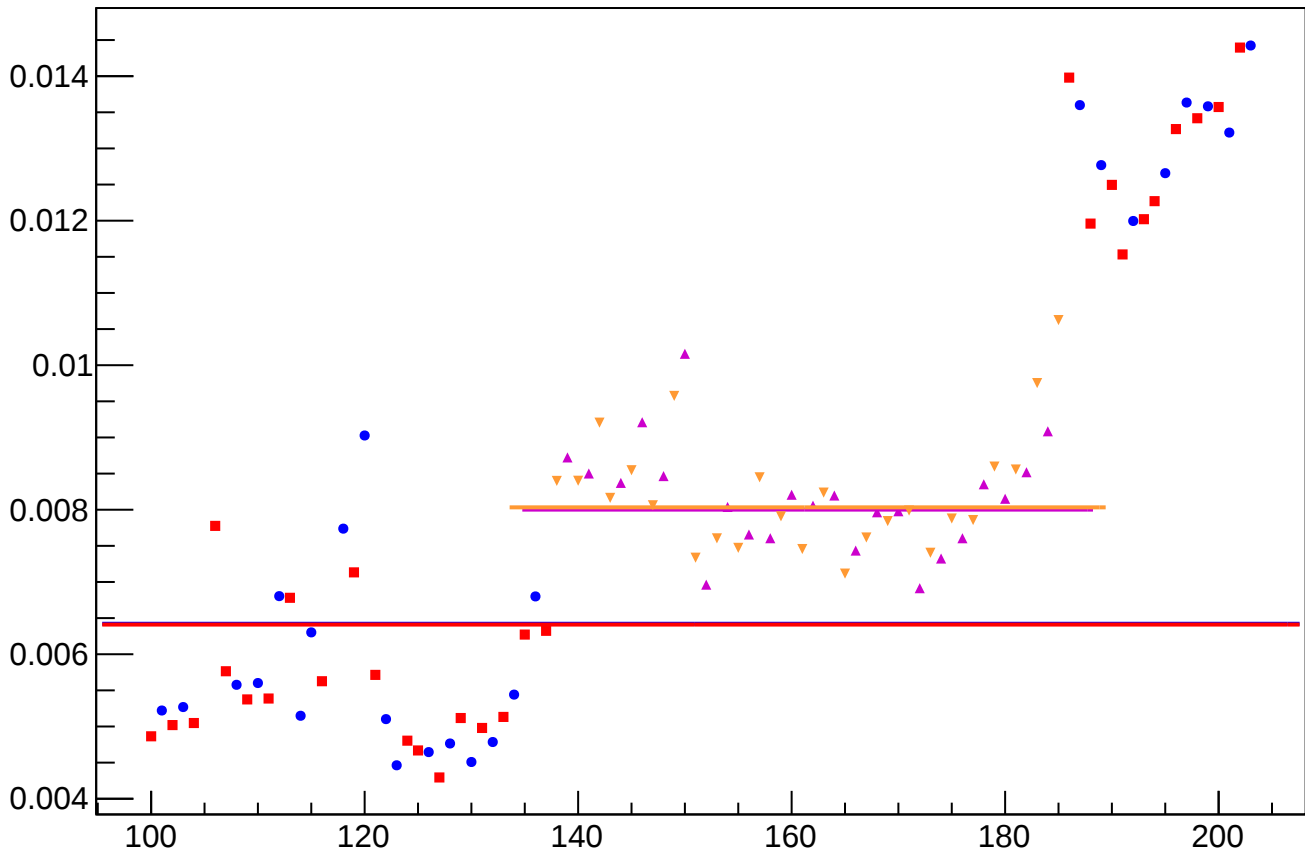
Left In: -6.121 ± 0.000 $\chi^2/\text{NDF}: 158315913062.3/22$

+ sign -6.052 ± 0.000 $\chi^2/\text{NDF}: 203921504282.6/49$

All: -6.044 ± 0.000 $\chi^2/\text{NDF}: 381076948749.7$

- sign -6.036 ± 0.000 $\chi^2/\text{NDF}: 177091753492.7/51$

yield_bpm0l01Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 3584954.0/24

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205762.2/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 3853382.5/28

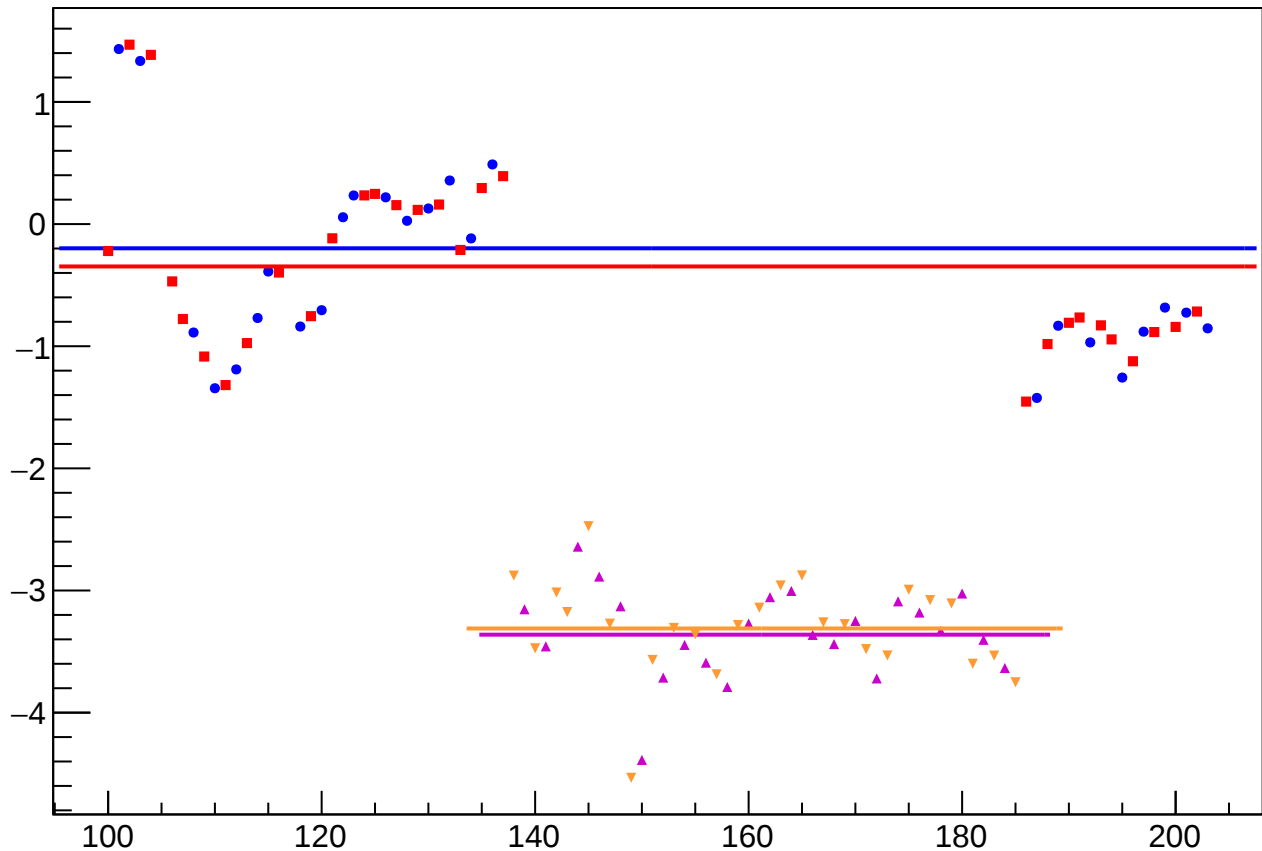
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220756.1/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4424820.5/49

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 9143193.0/101

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4714992.6/51

yield_bpm0l02X_mean vs Slug



Right In: -0.198+/-0.000 χ^2/NDF : 29388553996.8/24

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.347+/-0.000 χ^2/NDF : 31401769182.6/28

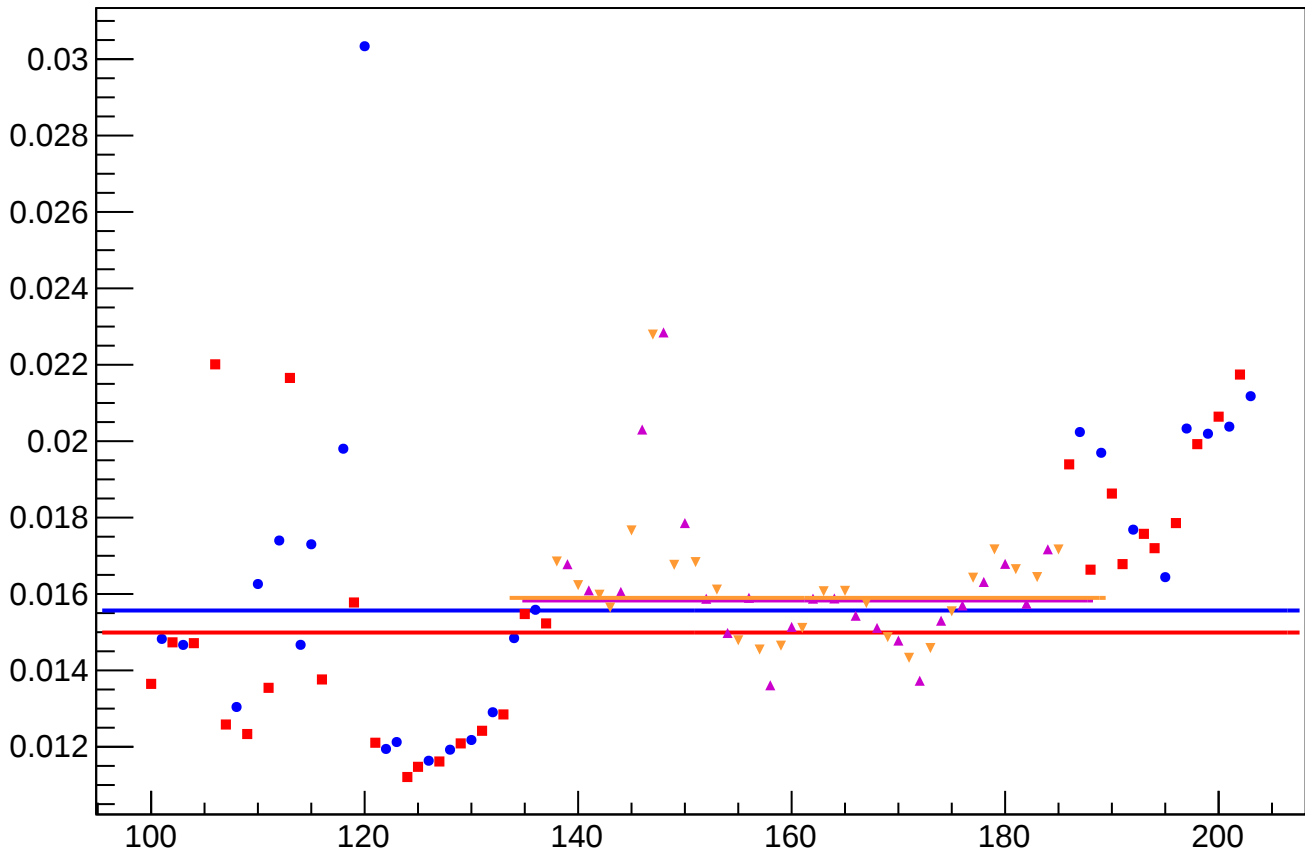
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.088+/-0.000 χ^2/NDF : 305028878750.3/49

All: -2.041+/-0.000 χ^2/NDF : 617582766654.6

- sign -1.998+/-0.000 χ^2/NDF : 312075190120.4/51

yield_bpm0l02X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 1017799.1/24

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1000152.7/28

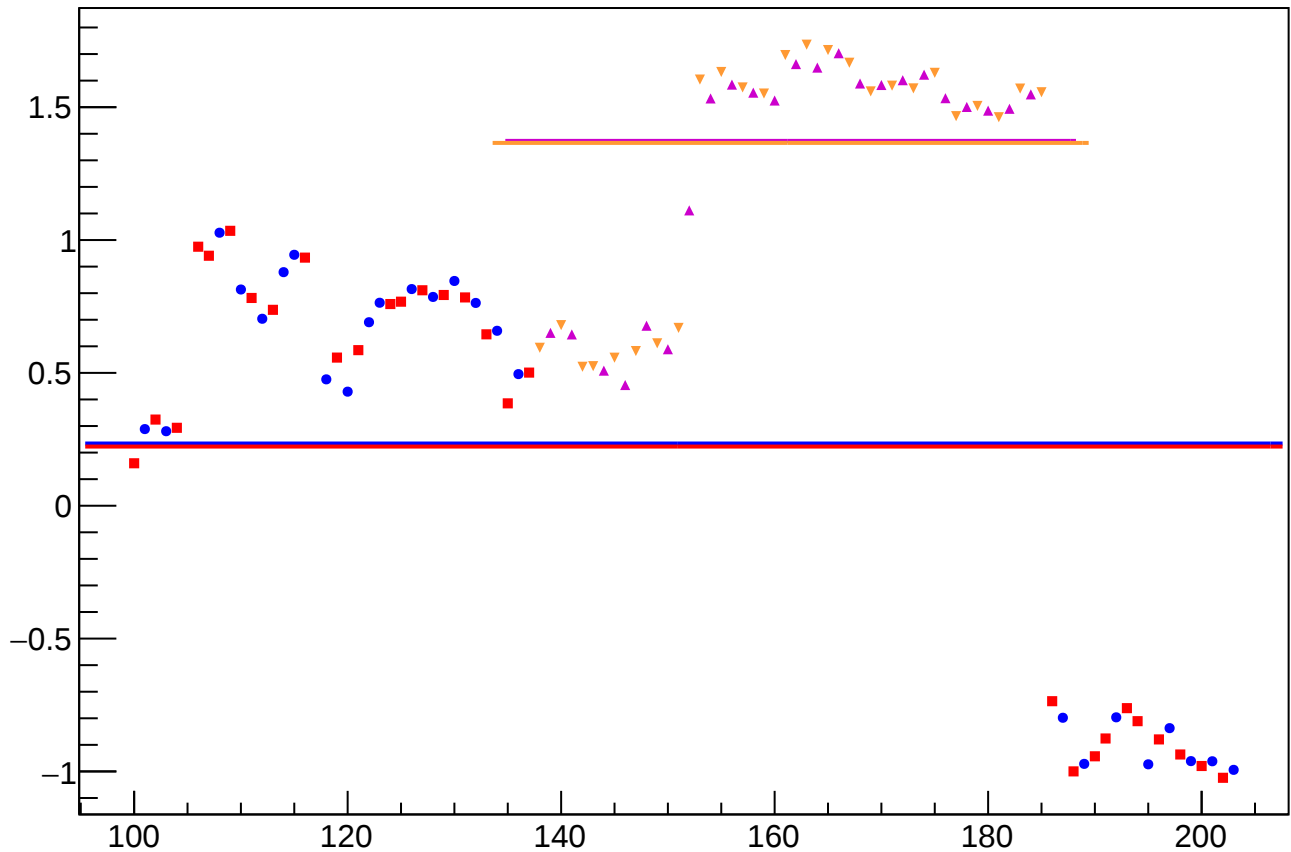
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1275716.1/49

All: 0.016+/-0.000 χ^2/NDF : 2669576.3/101

- sign 0.015+/-0.000 χ^2/NDF : 1381949.8/51

yield_bpm0l02Y_mean vs Slug



Right In: 0.234 $\pm$ 0.000 χ^2 /NDF: 61482751961.8/24

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.223 $\pm$ 0.000 χ^2 /NDF: 73479765765.5/28

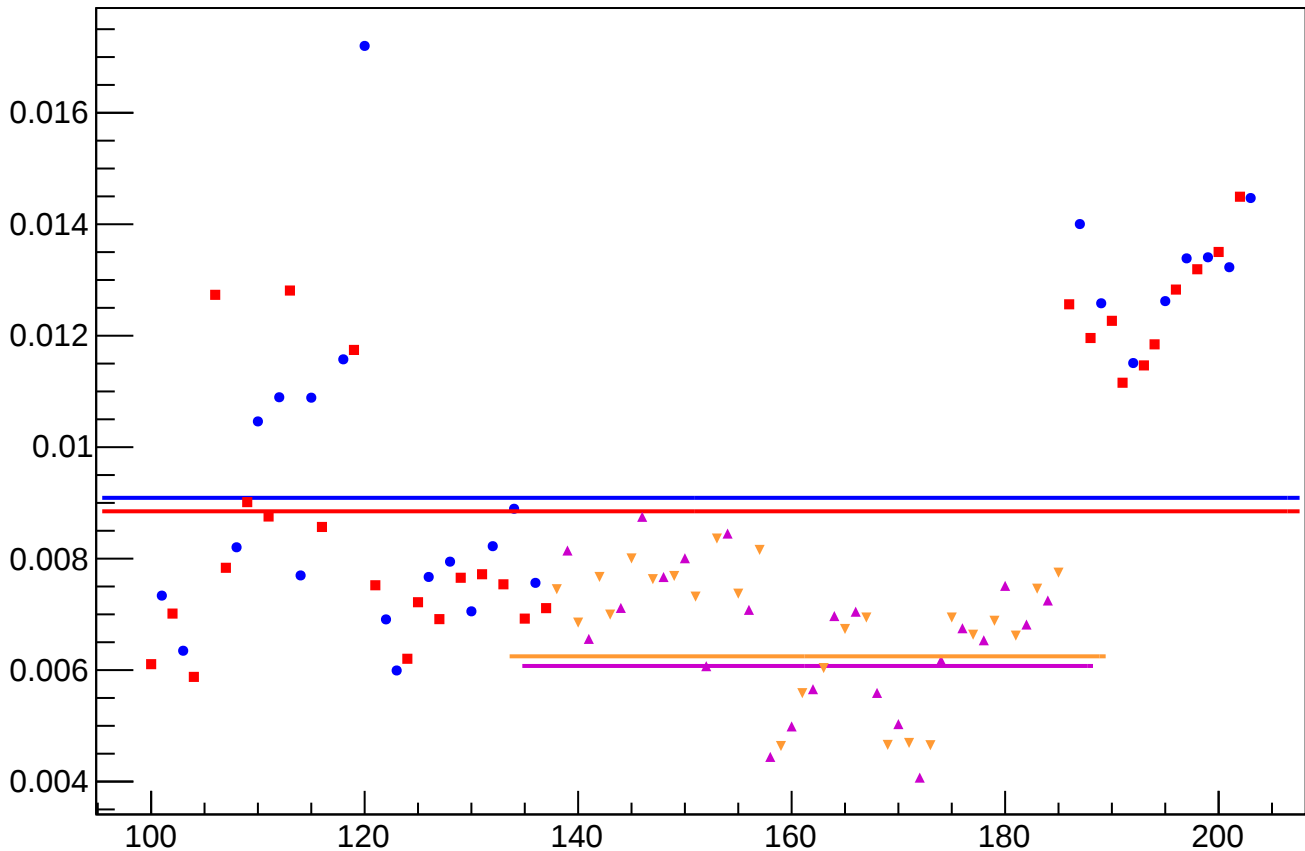
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.106 $\pm$ 0.000 χ^2 /NDF: 261225245377.8/49

All: 1.091 $\pm$ 0.000 χ^2 /NDF: 543817008710.8

- sign 1.077 $\pm$ 0.000 χ^2 /NDF: 282356807213.6/51

yield_bpm0l02Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1762419.4/24

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 1898478.5/28

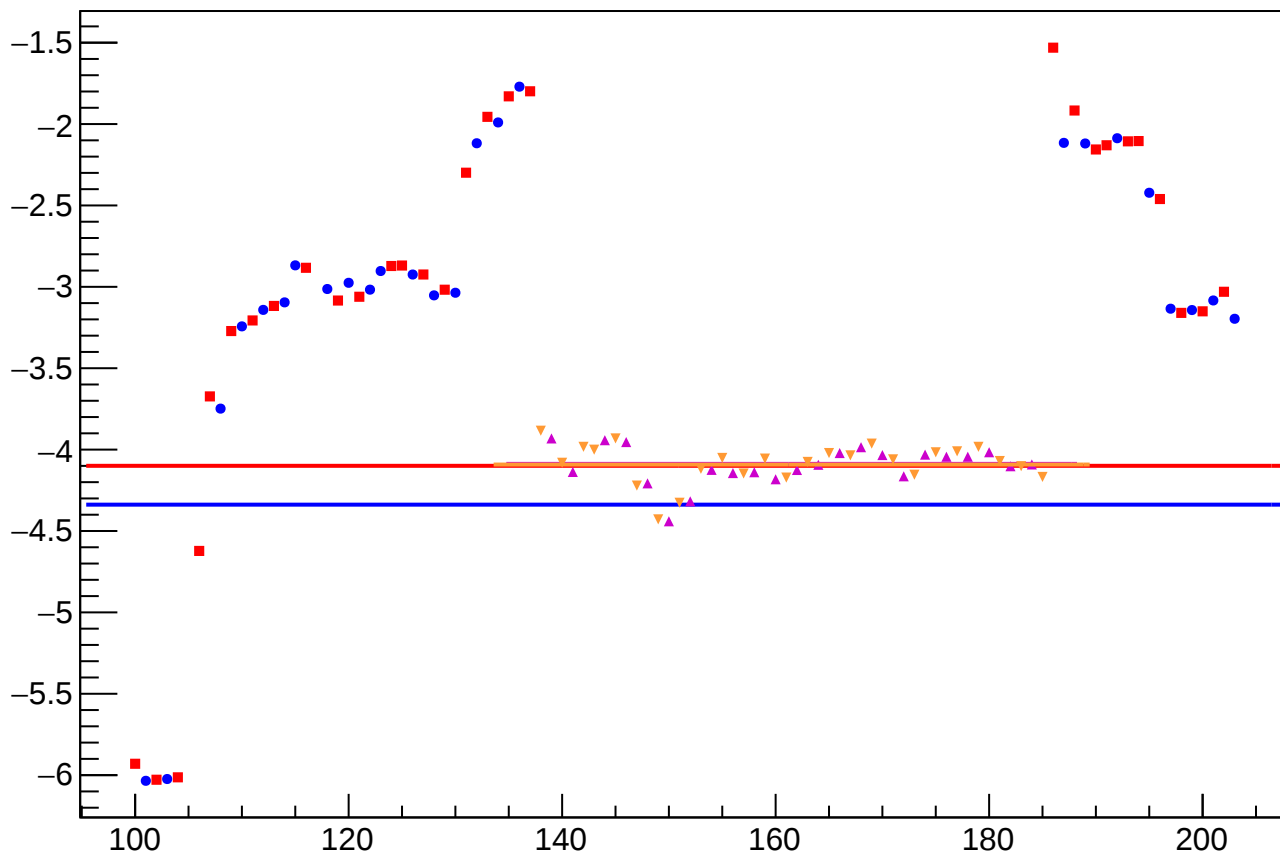
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4672874.6/49

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 9702897.9/101

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5023038.2/51

yield_bpm0l03X_mean vs Slug



Right In: -4.338 ± 0.000 $\chi^2/\text{NDF}: 262056579767.5/24$

Left Out: -4.092 ± 0.000 $\chi^2/\text{NDF}: 39806766.7/24$

Right Out: -4.100 ± 0.000 $\chi^2/\text{NDF}: 268044776229.6/28$

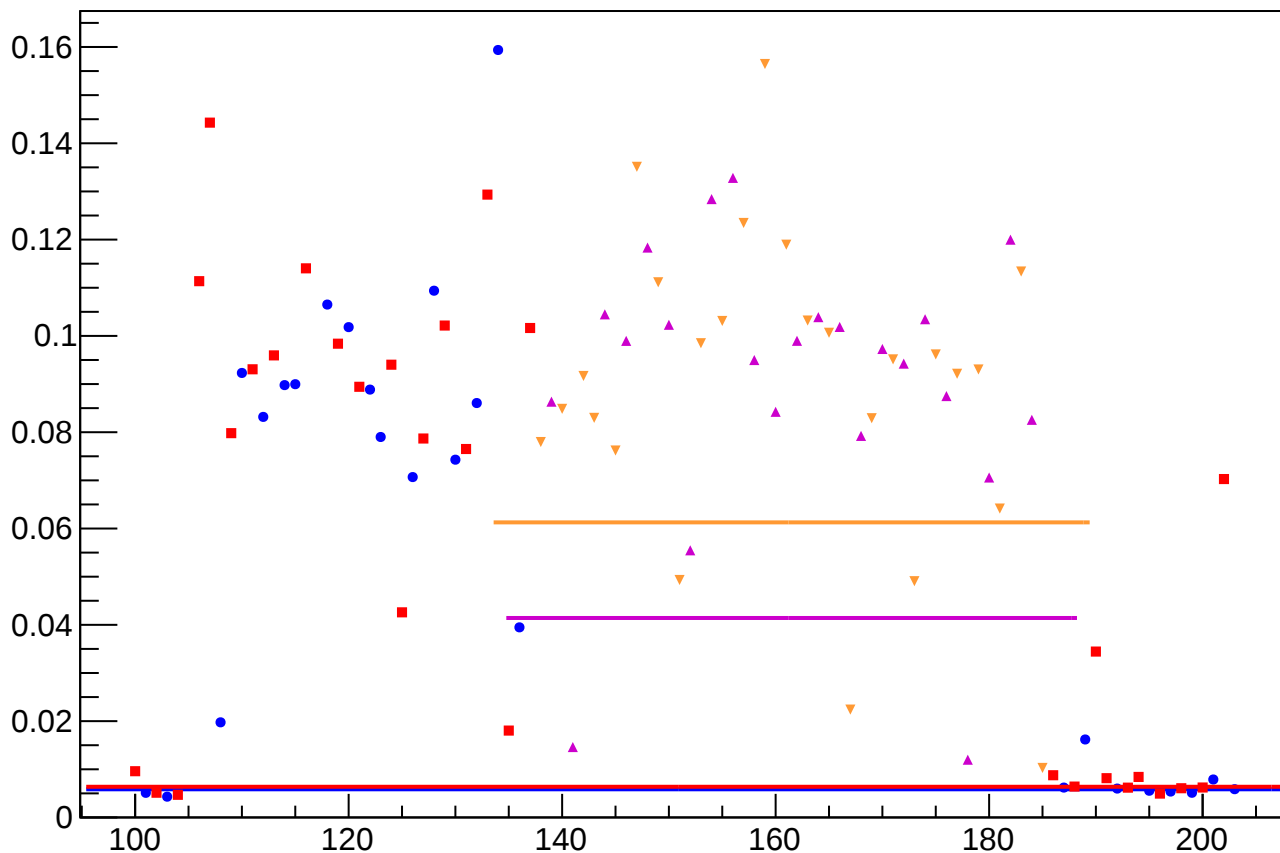
Left In: -4.088 ± 0.000 $\chi^2/\text{NDF}: 34412880.7/22$

+ sign -4.331 ± 0.000 $\chi^2/\text{NDF}: 262270357431.4/49$

All: -4.226 ± 0.000 $\chi^2/\text{NDF}: 532786516256.9$

- sign -4.099 ± 0.000 $\chi^2/\text{NDF}: 268079757611.4/51$

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8039702.9/24

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 9253531.6/28

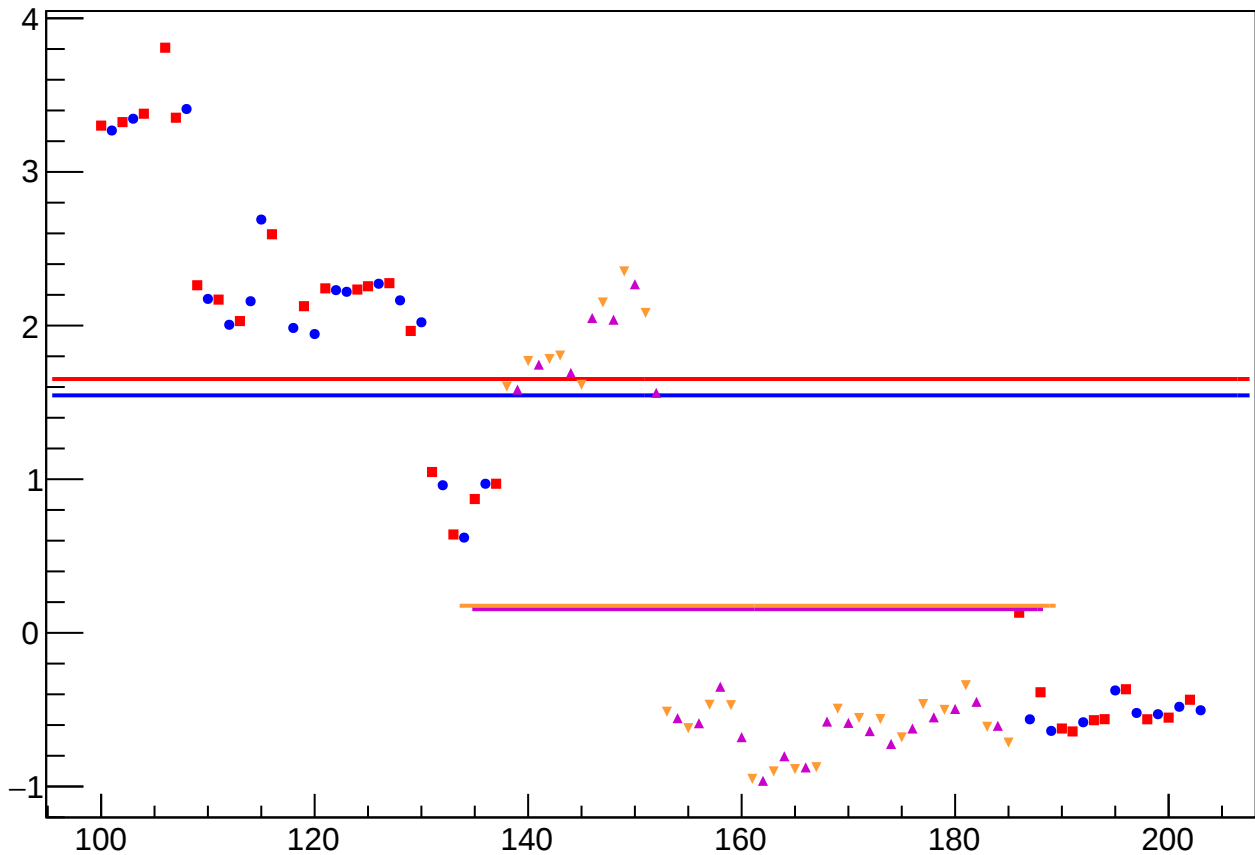
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34004751.1/49

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 66365331.4/101

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 32315726.5/51

yield_bpm0l03Y_mean vs Slug



Right In: 1.546+/-0.000 χ^2/NDF : 188644191324.5/24

Left Out: 0.177+/-0.000 χ^2/NDF : 3275313367.7/24

Right Out: 1.652+/-0.000 χ^2/NDF : 166065977899.9/28

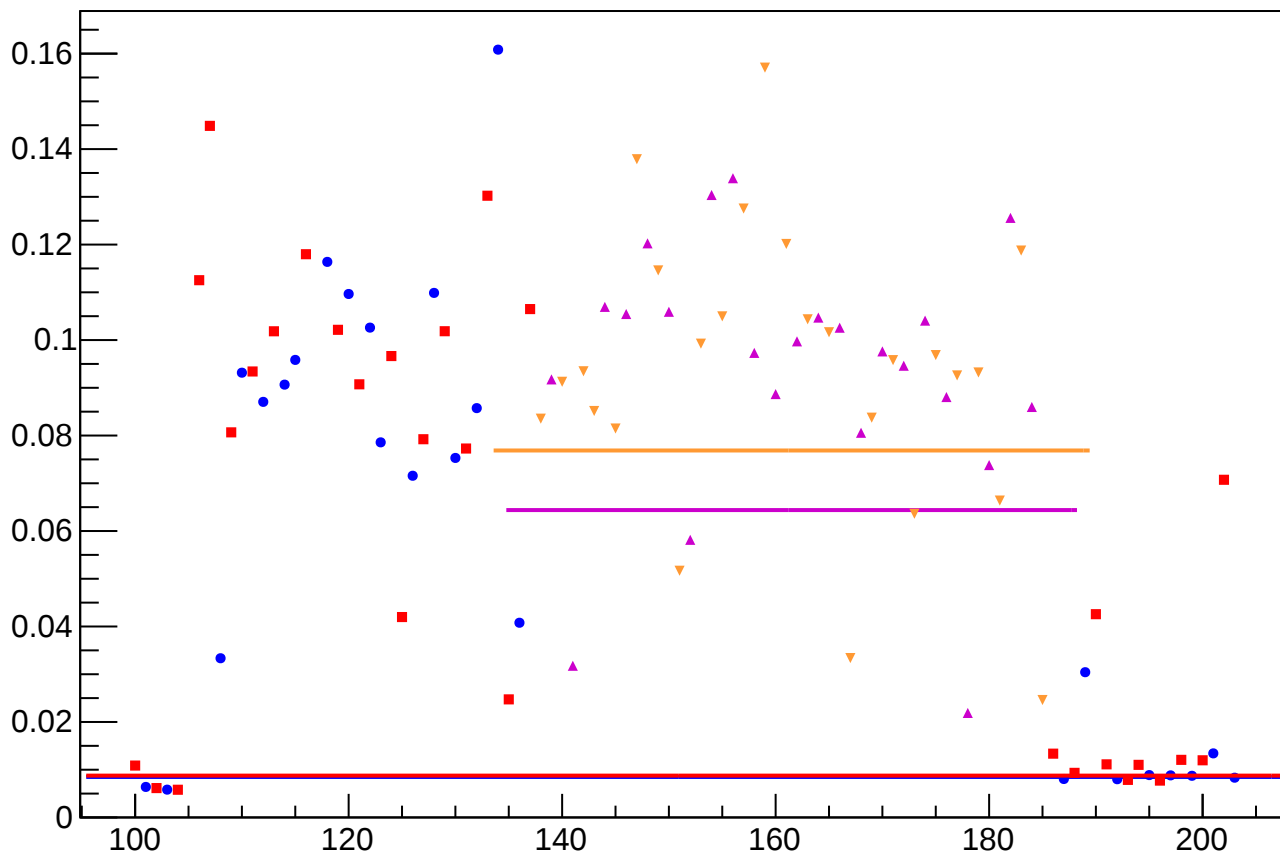
Left In: 0.154+/-0.000 χ^2/NDF : 3163553595.0/22

+ sign 1.489+/-0.000 χ^2/NDF : 195994268770.9/49

All: 1.530+/-0.000 χ^2/NDF : 370899533218.2

- sign 1.574+/-0.000 χ^2/NDF : 174716265701.2/51

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7991084.3/24

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 9132995.7/28

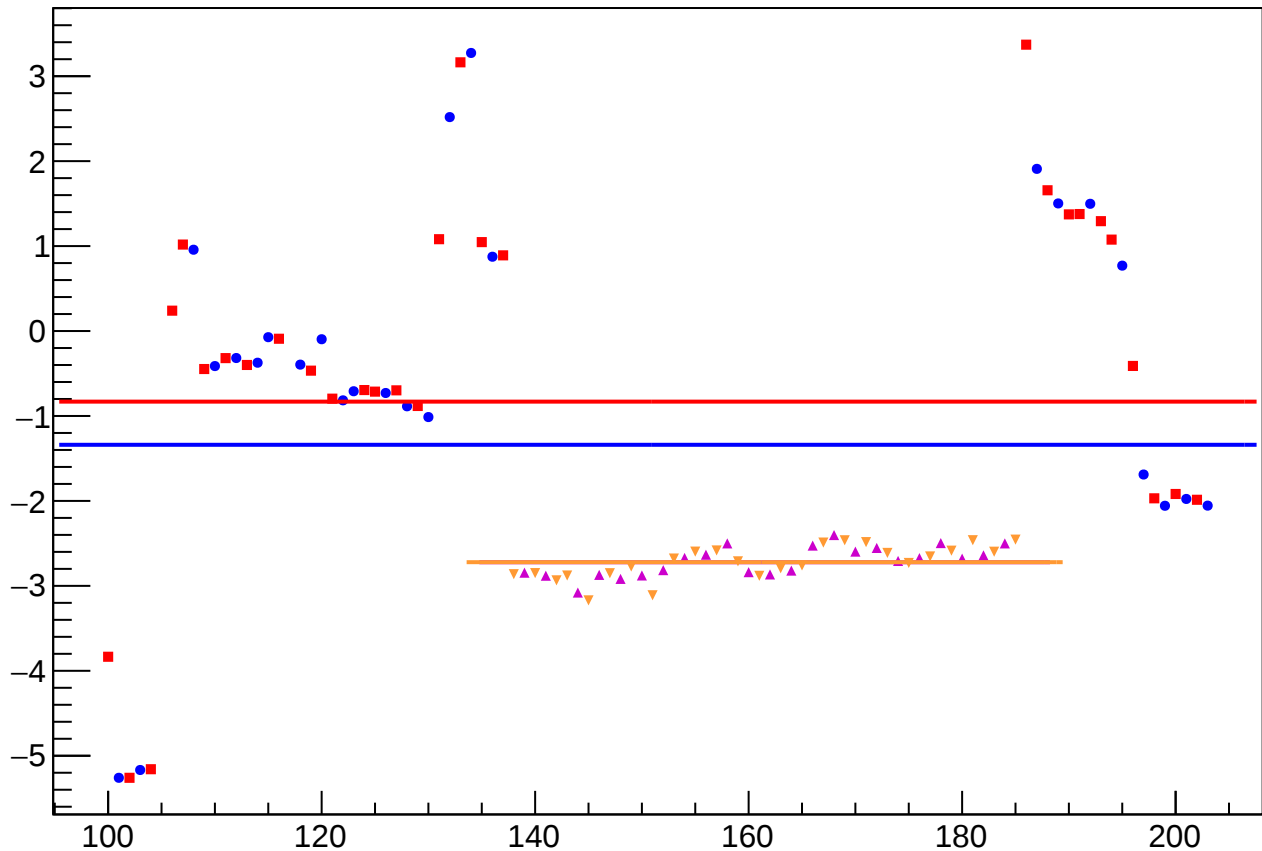
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 32538951.4/49

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 63800954.9/101

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 31255573.8/51

yield_bpm0l04X_mean vs Slug



Right In: -1.339 ± 0.000 $\chi^2/\text{NDF}: 204208733505.2/24$

Left Out: -2.721 ± 0.000 $\chi^2/\text{NDF}: 10397156971.6/24$

Right Out: -0.831 ± 0.000 $\chi^2/\text{NDF}: 231845030493.1/28$

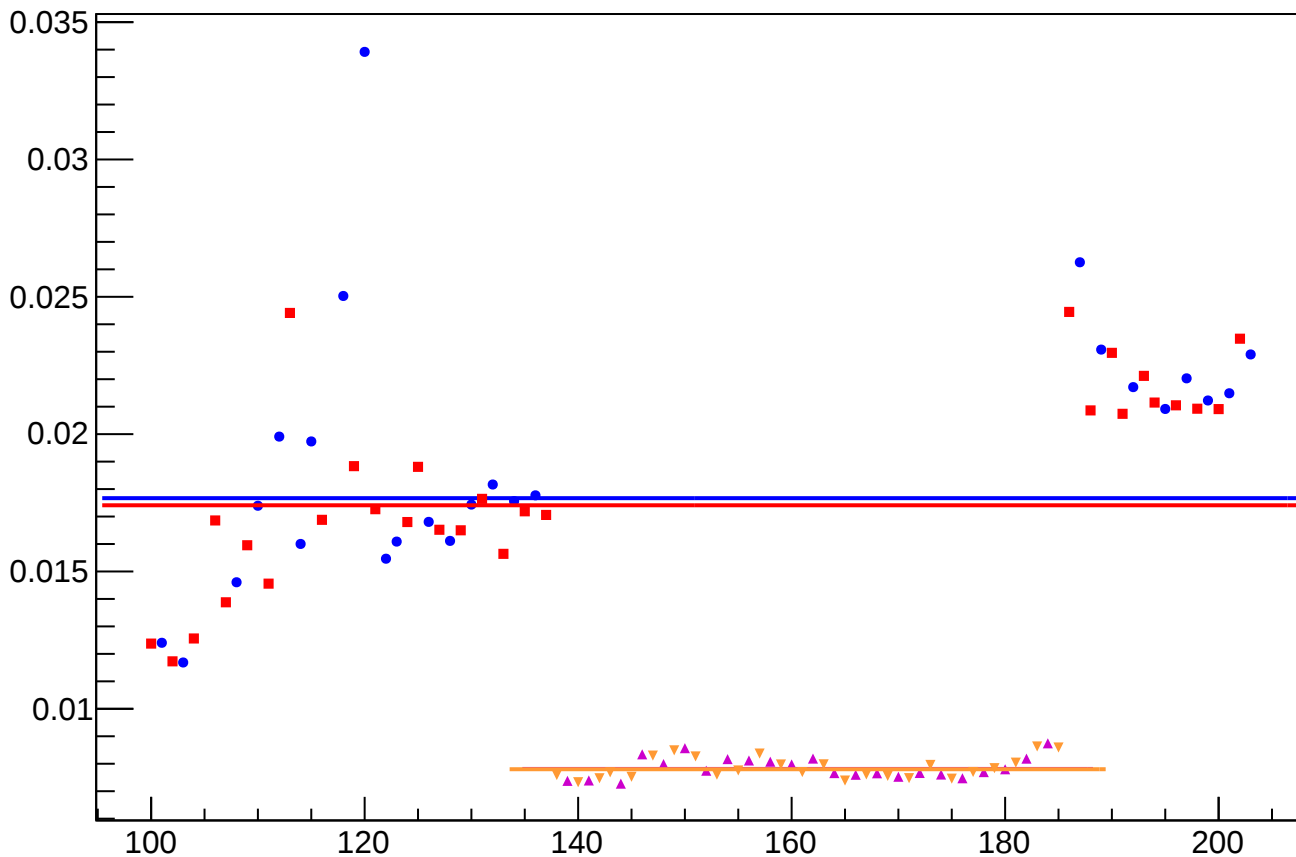
Left In: -2.722 ± 0.000 $\chi^2/\text{NDF}: 8146484592.1/22$

+ sign -2.576 ± 0.000 $\chi^2/\text{NDF}: 272886372997.3/49$

All: -2.530 ± 0.000 $\chi^2/\text{NDF}: 638401573702.1$

- sign -2.482 ± 0.000 $\chi^2/\text{NDF}: 364100737993.0/51$

yield_bpm0l04X_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 1176658.6/24

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 1051618.6/28

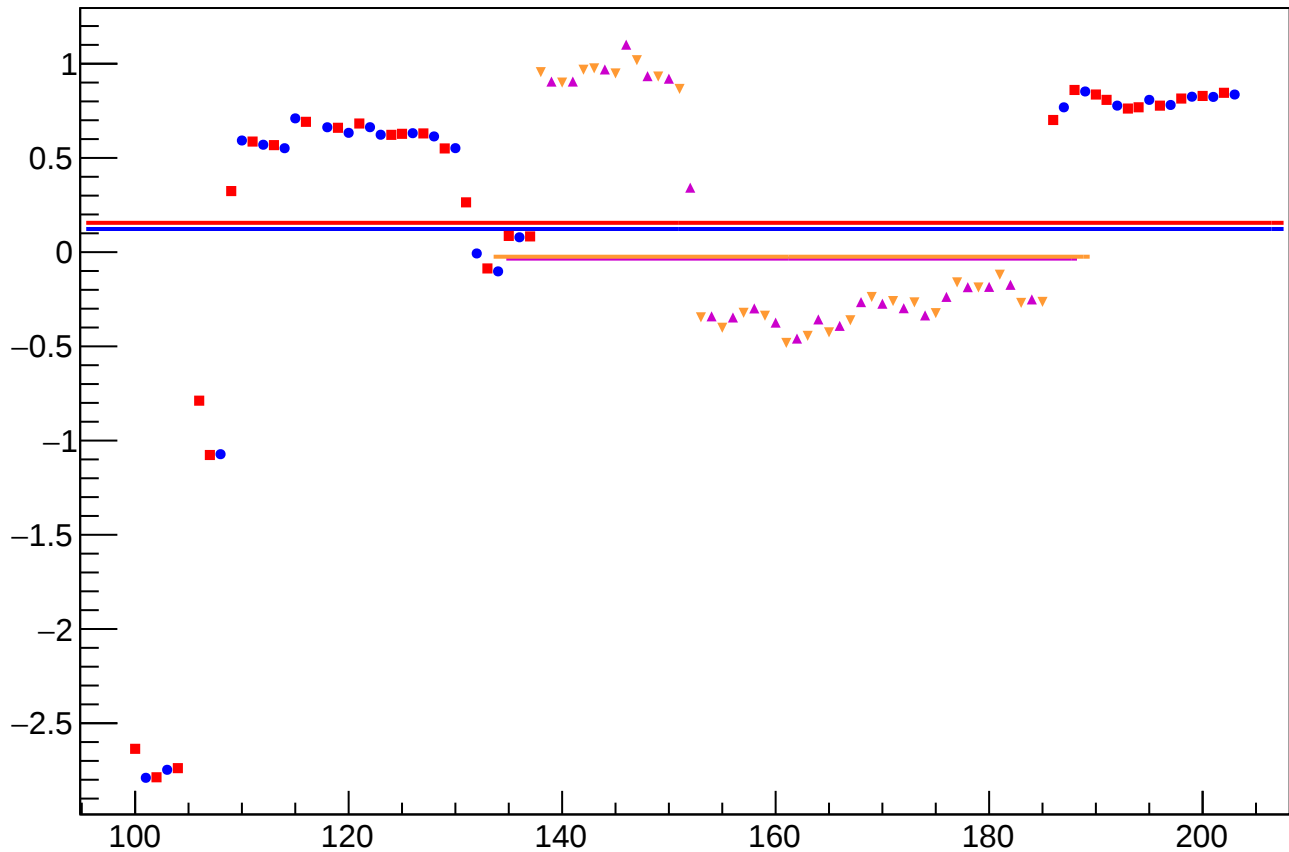
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 7192417.4/49

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 14721339.8/101

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 7517085.3/51

yield_bpm0l04Y_mean vs Slug



Right In: 0.123+/-0.000 χ^2/NDF : 842510850868.7/24

Left Out: -0.024+/-0.000 χ^2/NDF : 135451649275.0/24

Right Out: 0.156+/-0.000 χ^2/NDF : 907722154181.4/28

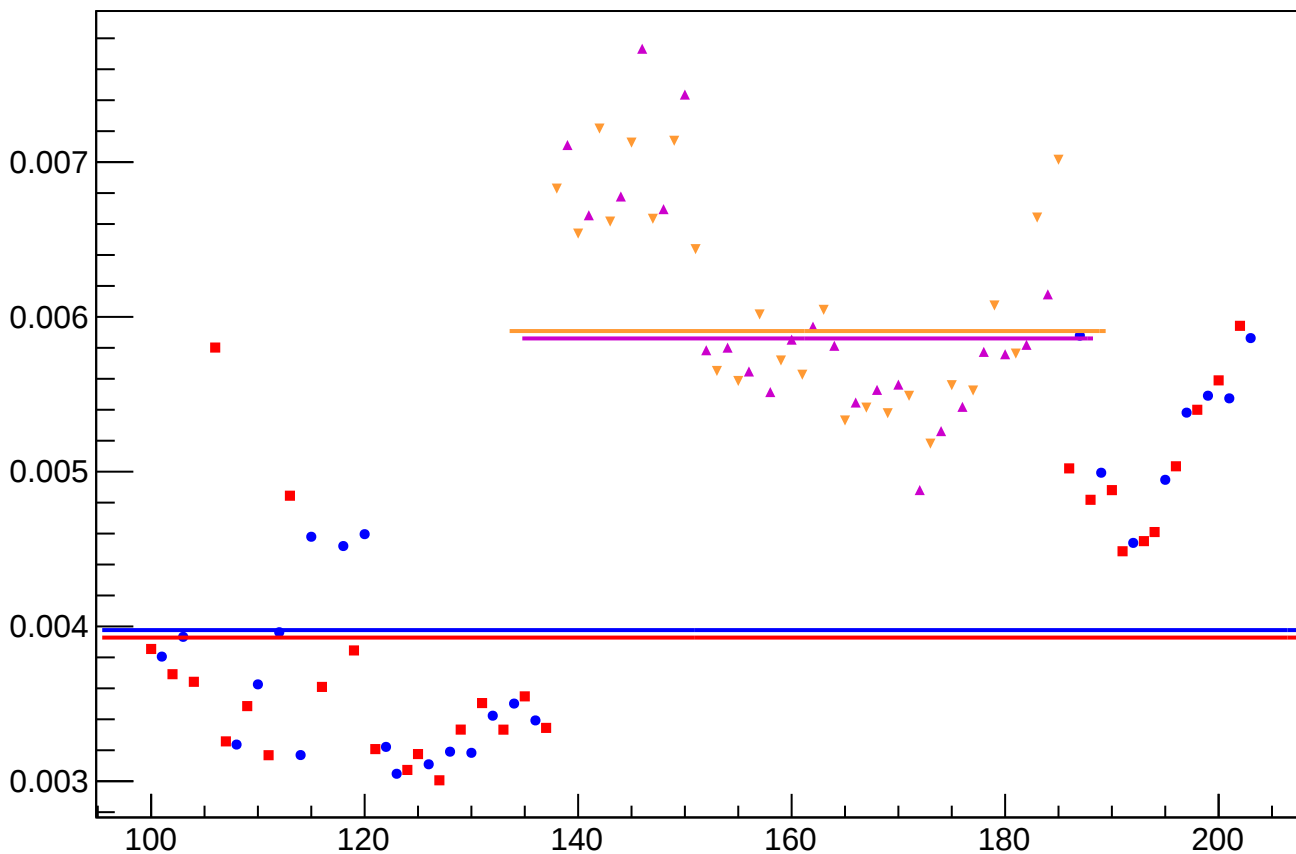
Left In: -0.034+/-0.000 χ^2/NDF : 113929060918.1/22

+ sign 0.063+/-0.000 χ^2/NDF : 984168104435.2/49

All: 0.075+/-0.000 χ^2/NDF : 2016771866782.

- sign 0.086+/-0.000 χ^2/NDF : 1032287974596.9/51

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 1045914.9/24

Left Out: 0.006+/-0.000 χ^2/NDF :314309.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1090778.7/28

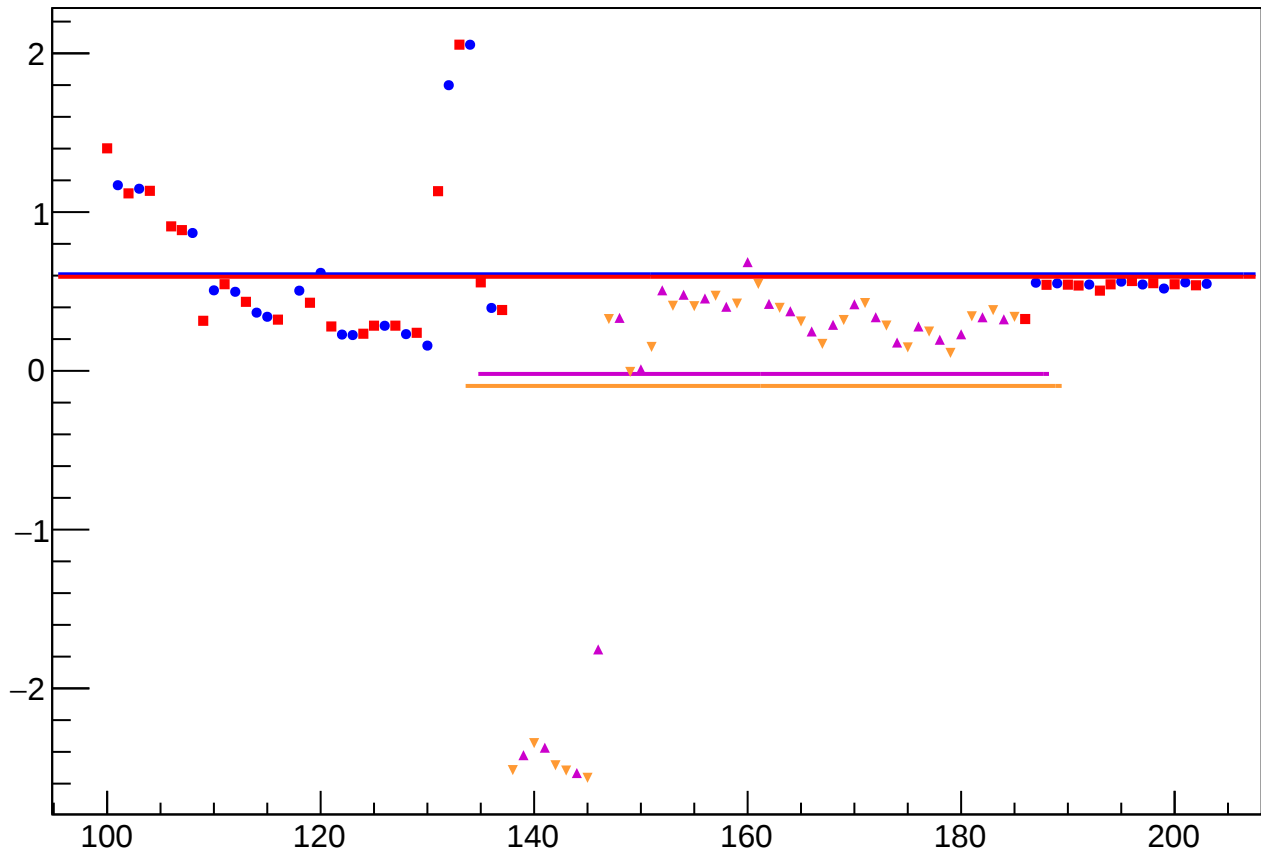
Left In: 0.006+/-0.000 χ^2/NDF :364512.1/22

+ sign 0.005+/-0.000 χ^2/NDF : 3502783.1/49

All: 0.005+/-0.000 χ^2/NDF : 7178751.4/101

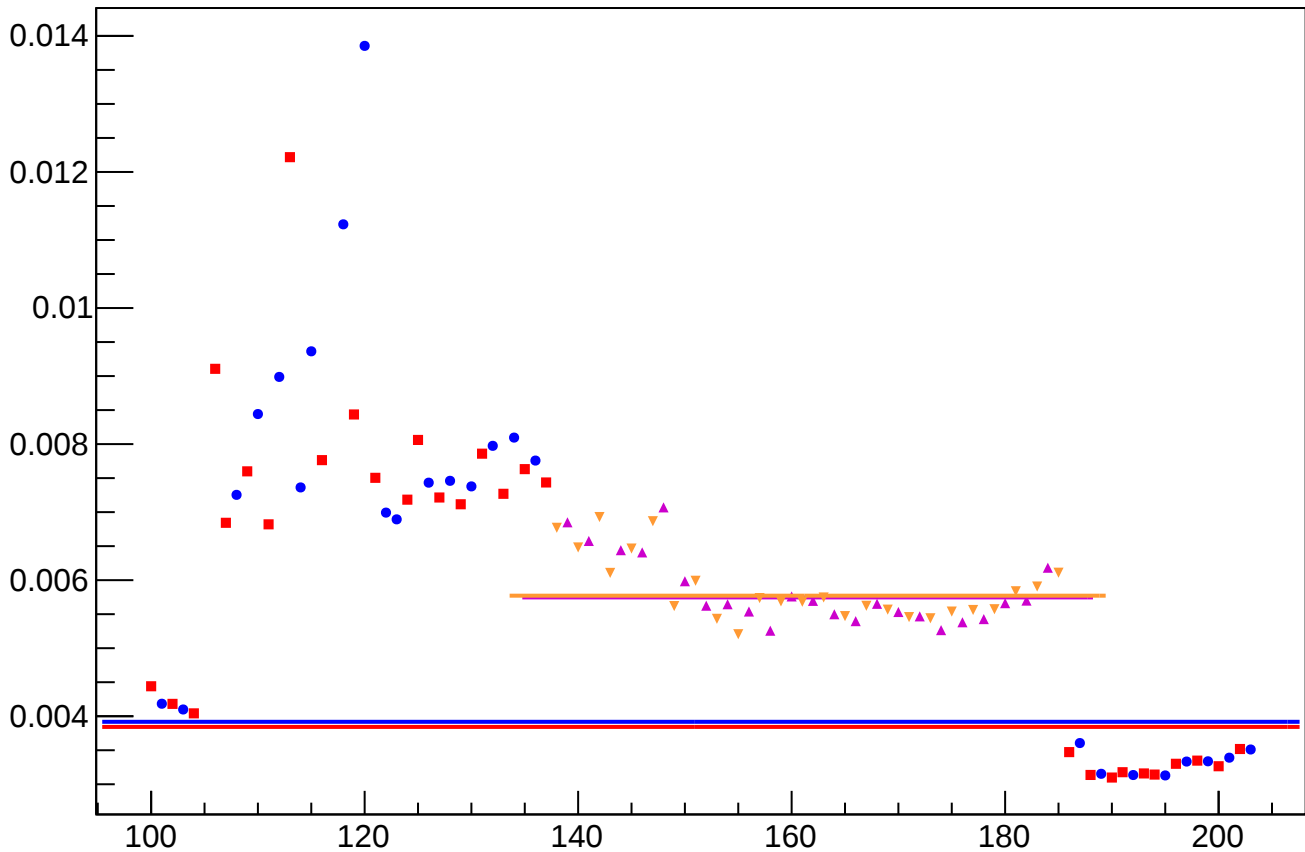
- sign 0.005+/-0.000 χ^2/NDF : 3657422.0/51

yield_bpm0l05X_mean vs Slug



Right In: 0.608 $\pm$ 0.000	χ^2 /NDF: 40440577175.4/24	+ sign 0.293 $\pm$ 0.000	χ^2 /NDF: 686598786870.6/49
Left Out: -0.095 $\pm$ 0.000	χ^2 /NDF: 505606573631.9/24	All: 0.322 $\pm$ 0.000	χ^2 /NDF: 1262396133738.
Right Out: 0.593 $\pm$ 0.000	χ^2 /NDF: 45730499868.2/28	- sign 0.349 $\pm$ 0.000	χ^2 /NDF: 573948871692.7/51
Left In: -0.019 $\pm$ 0.000	χ^2 /NDF: 417104863944.5/22		

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3057832.5/24

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3118852.9/28

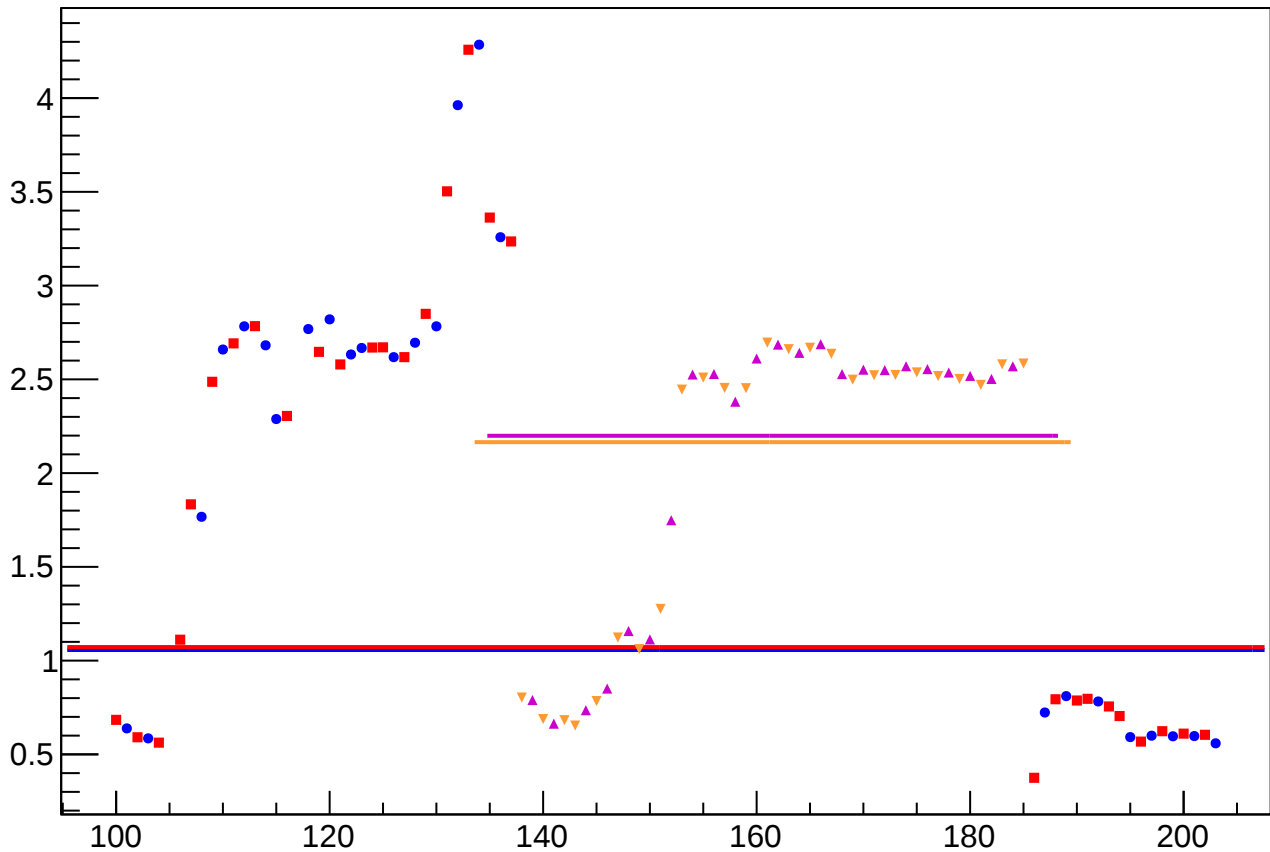
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5189352.1/49

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 10688179.4/101

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5472932.0/51

yield_bpm0l05Y_mean vs Slug



Right In: 1.057 $\pm$ 0.000 χ^2 /NDF: 281426076498.4/24

Left Out: 2.165 $\pm$ 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 1.072 $\pm$ 0.000 χ^2 /NDF: 328244855501.0/28

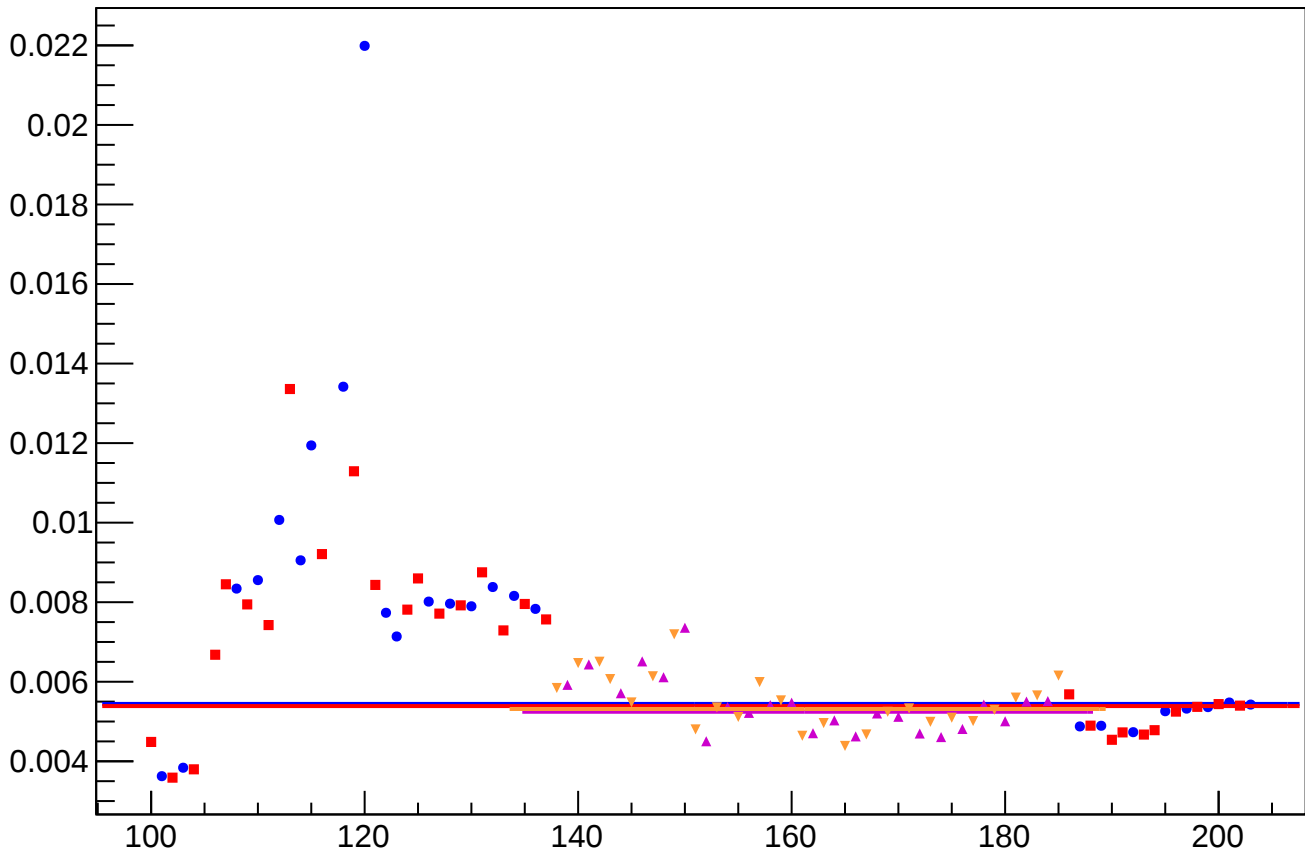
Left In: 2.199 $\pm$ 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 1.758 $\pm$ 0.000 χ^2 /NDF: 838965308142.4/49

All: 1.749 $\pm$ 0.000 χ^2 /NDF: 1716403926748.

- sign 1.740 $\pm$ 0.000 χ^2 /NDF: 877285890034.9/51

yield_bpm0l05Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2004781.7/24

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:398795.0/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1876099.7/28

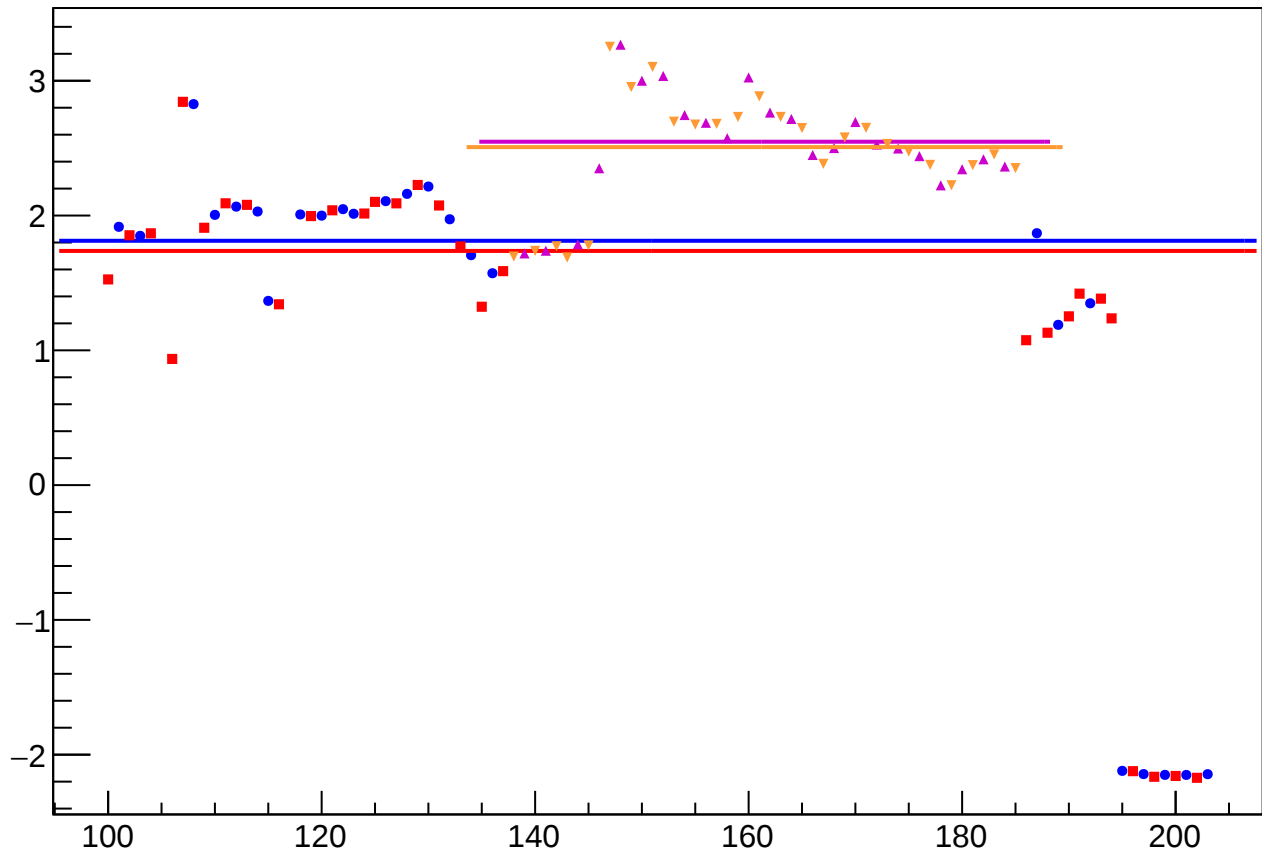
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:425864.8/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2410564.6/49

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 4725246.7/101

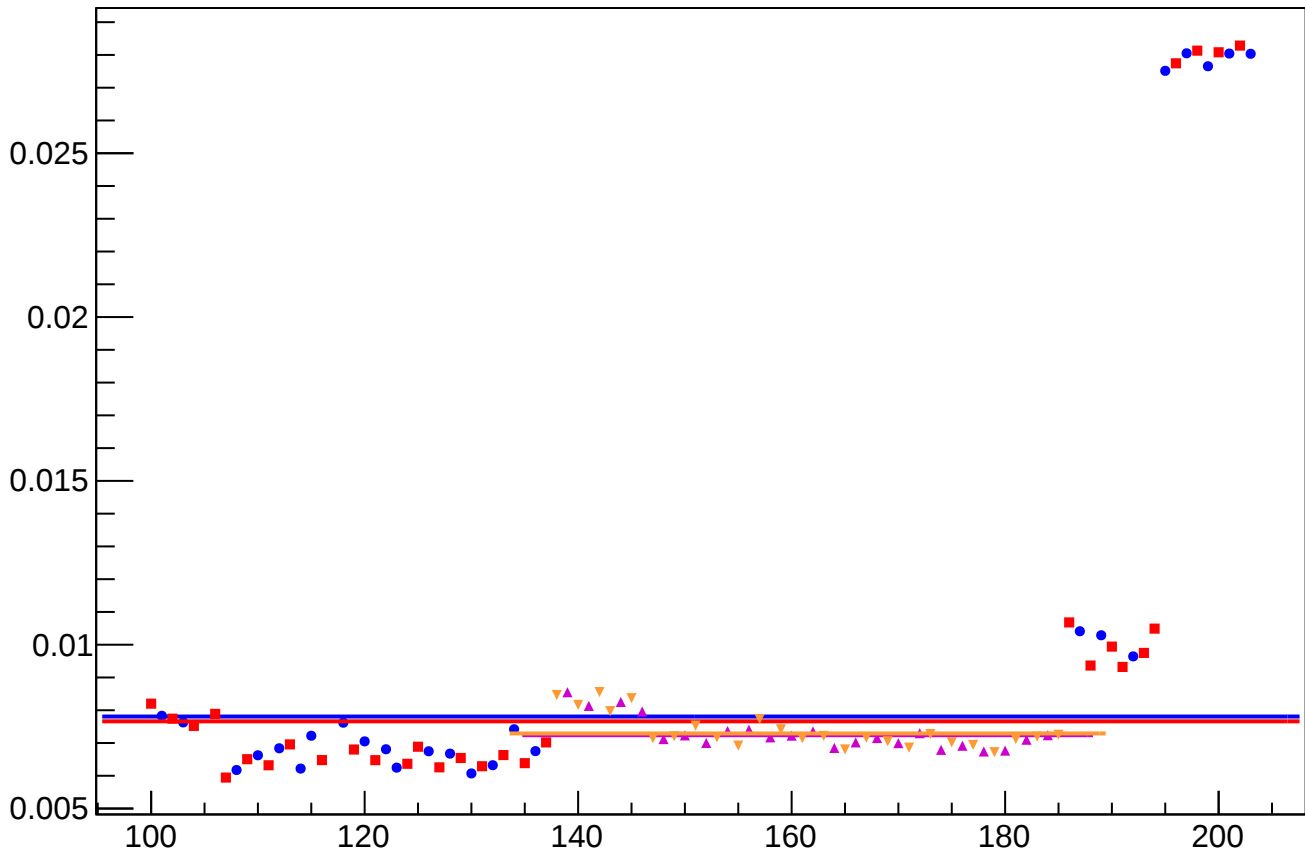
- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2311468.9/51

yield_bpm0l06X_mean vs Slug



Right In: 1.813 $\pm$ 0.000 χ^2/NDF : 101981122306.3/24
 Left Out: 2.508 $\pm$ 0.000 χ^2/NDF : 52355332406.0/24
 Right Out: 1.737 $\pm$ 0.000 χ^2/NDF : 93245623717.4/28
 Left In: 2.548 $\pm$ 0.000 χ^2/NDF : 45350336058.7/22
 All: 2.264 $\pm$ 0.000 χ^2/NDF : 422276463814.3
 + sign 2.283 $\pm$ 0.000 χ^2/NDF : 205567250507.9/49
 - sign 2.245 $\pm$ 0.000 χ^2/NDF : 216344549321.3/51

yield_bpm0l06X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 4612039.2/24

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3821507.4/28

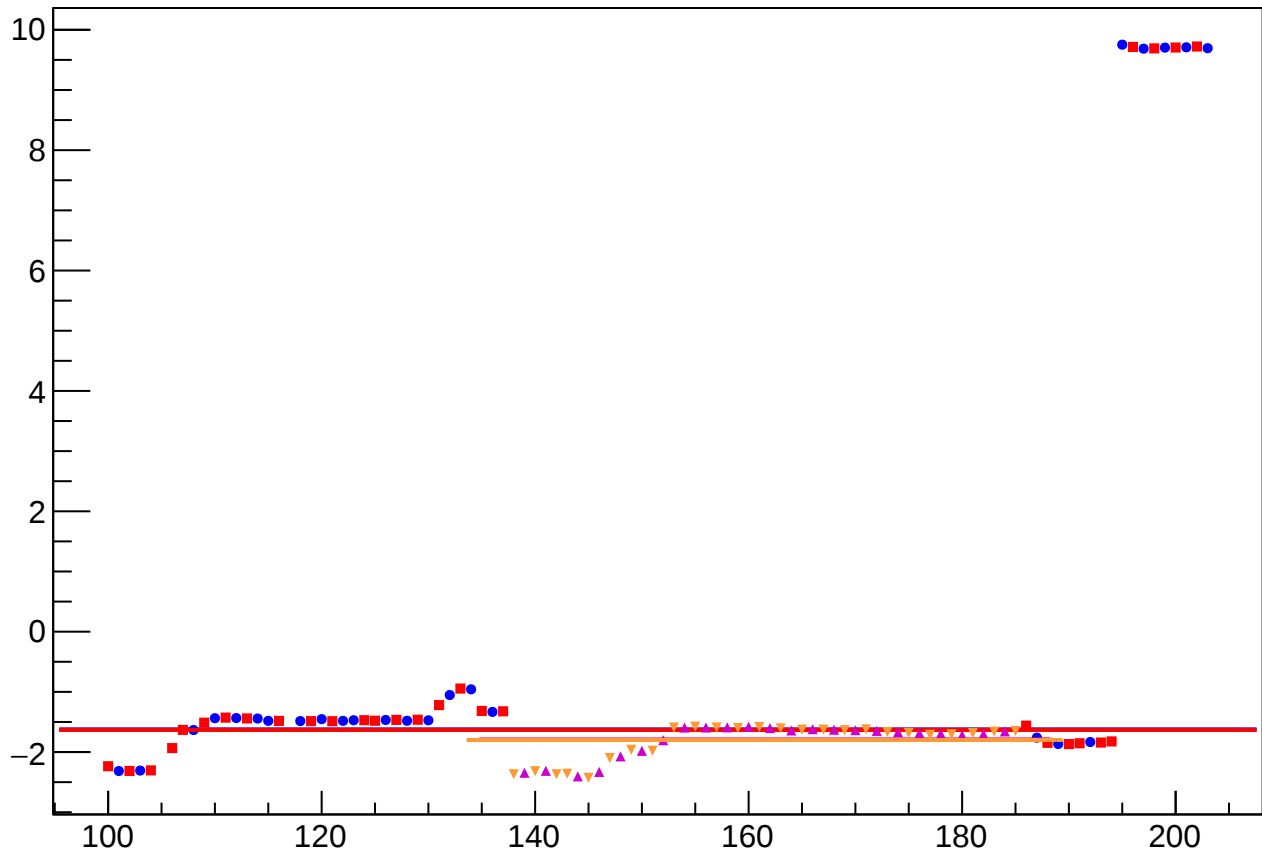
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4809368.2/49

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8800416.0/101

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3989136.2/51

yield_bpm0l06Y_mean vs Slug



Right In: -1.623 ± 0.000 $\chi^2/\text{NDF}: 283336654743.5/24$

Left Out: -1.799 ± 0.000 $\chi^2/\text{NDF}: 185362087438.8/24$

Right Out: -1.632 ± 0.000 $\chi^2/\text{NDF}: 259175631474.1/28$

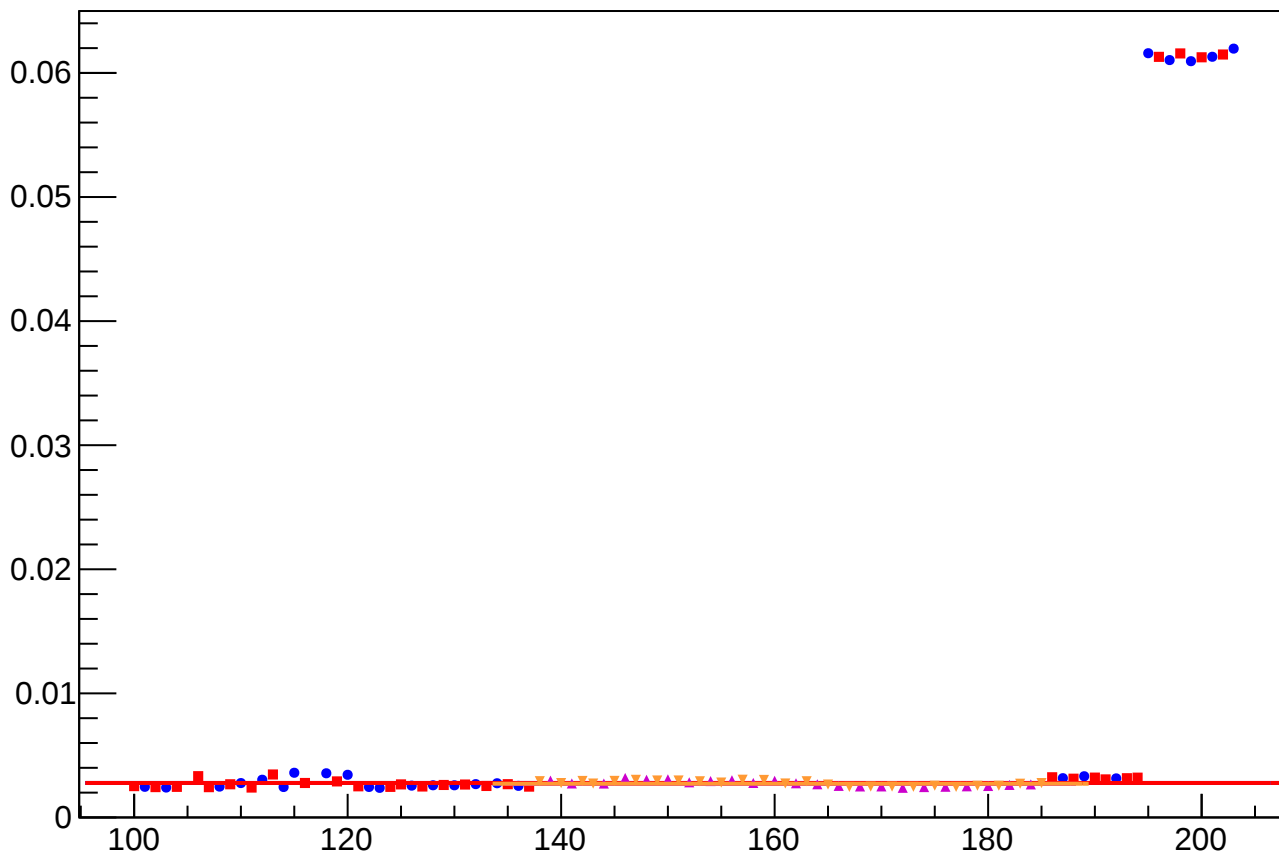
Left In: -1.790 ± 0.000 $\chi^2/\text{NDF}: 159648935510.8/22$

+ sign -1.745 ± 0.000 $\chi^2/\text{NDF}: 491047778551.8/49$

All: -1.739 ± 0.000 $\chi^2/\text{NDF}: 930672115324.5$

- sign -1.733 ± 0.000 $\chi^2/\text{NDF}: 439364368555.9/51$

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 7512679.0/24

Left Out: 0.003+/-0.000 χ^2/NDF : 199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5623670.1/28

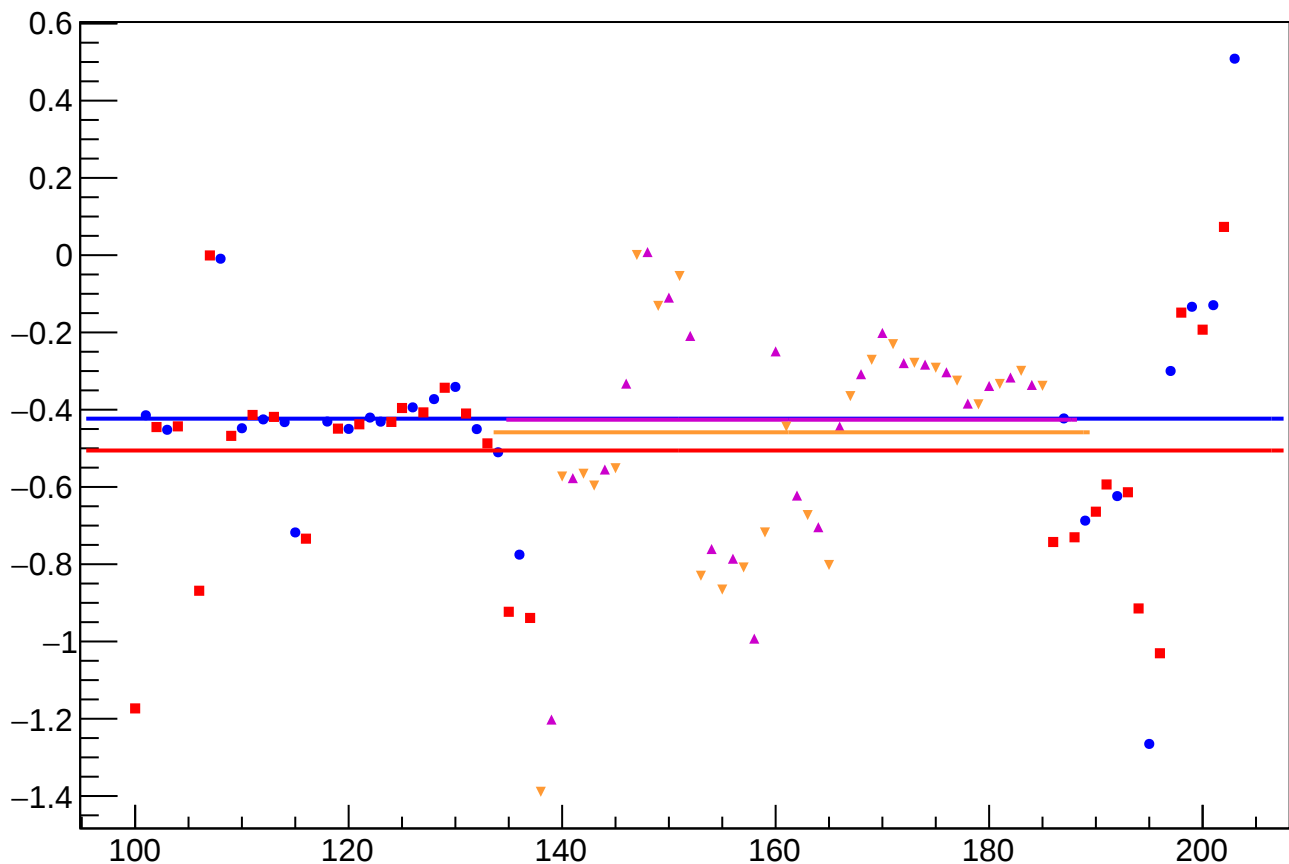
Left In: 0.003+/-0.000 χ^2/NDF : 220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 7717808.9/49

All: 0.003+/-0.000 χ^2/NDF : 13572205.7/101

- sign 0.003+/-0.000 χ^2/NDF : 5854199.7/51

yield_bpm0l07X_mean vs Slug



Right In: -0.423+/-0.000 χ^2/NDF : 6156565841.7/24

Left Out: -0.459+/-0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.506+/-0.000 χ^2/NDF : 5374077507.1/28

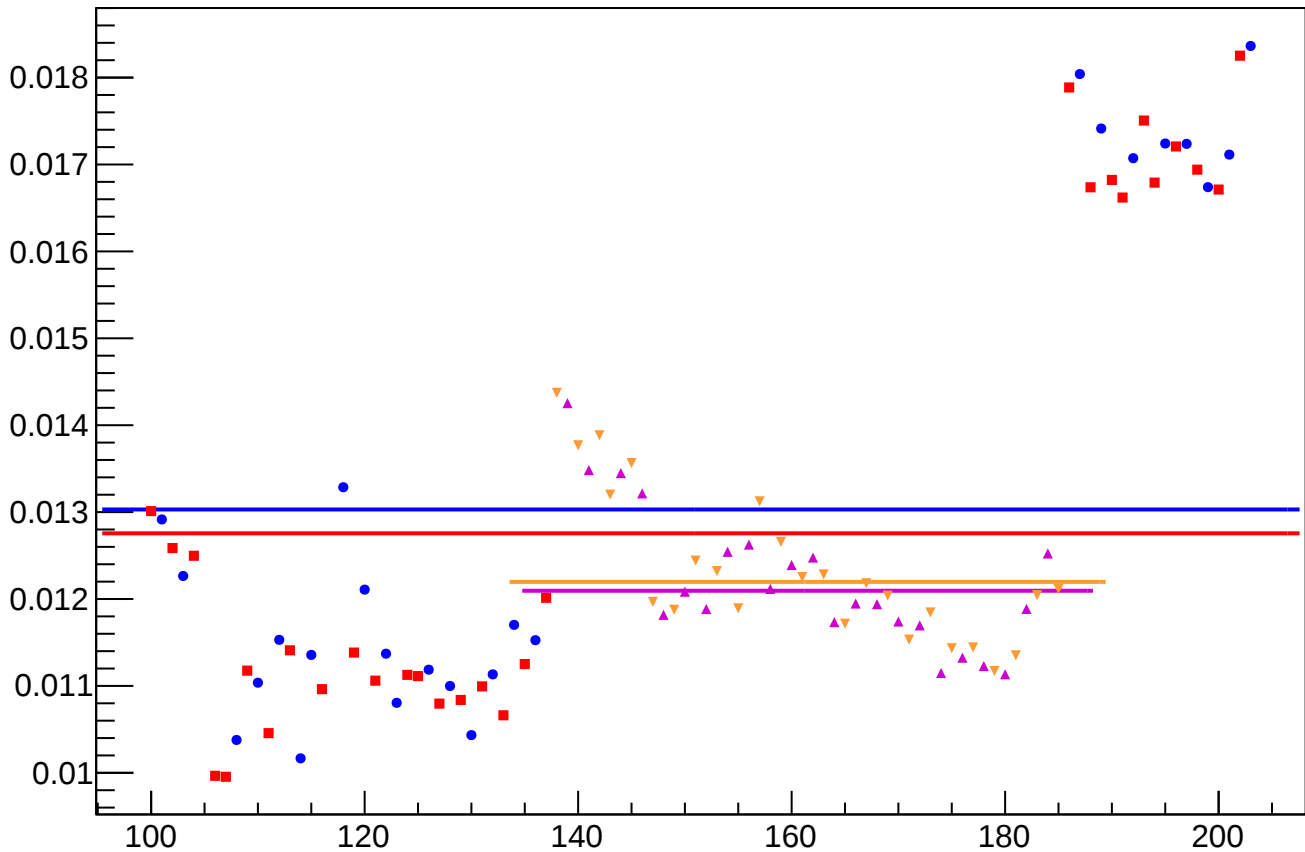
Left In: -0.426+/-0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.446+/-0.000 χ^2/NDF : 16126403000.4/49

All: -0.452+/-0.000 χ^2/NDF : 30232321204.2/100

- sign -0.458+/-0.000 χ^2/NDF : 14090868916.4/51

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 971280.5/24

Left Out: 0.012+/-0.000 χ^2/NDF :141850.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1174445.4/28

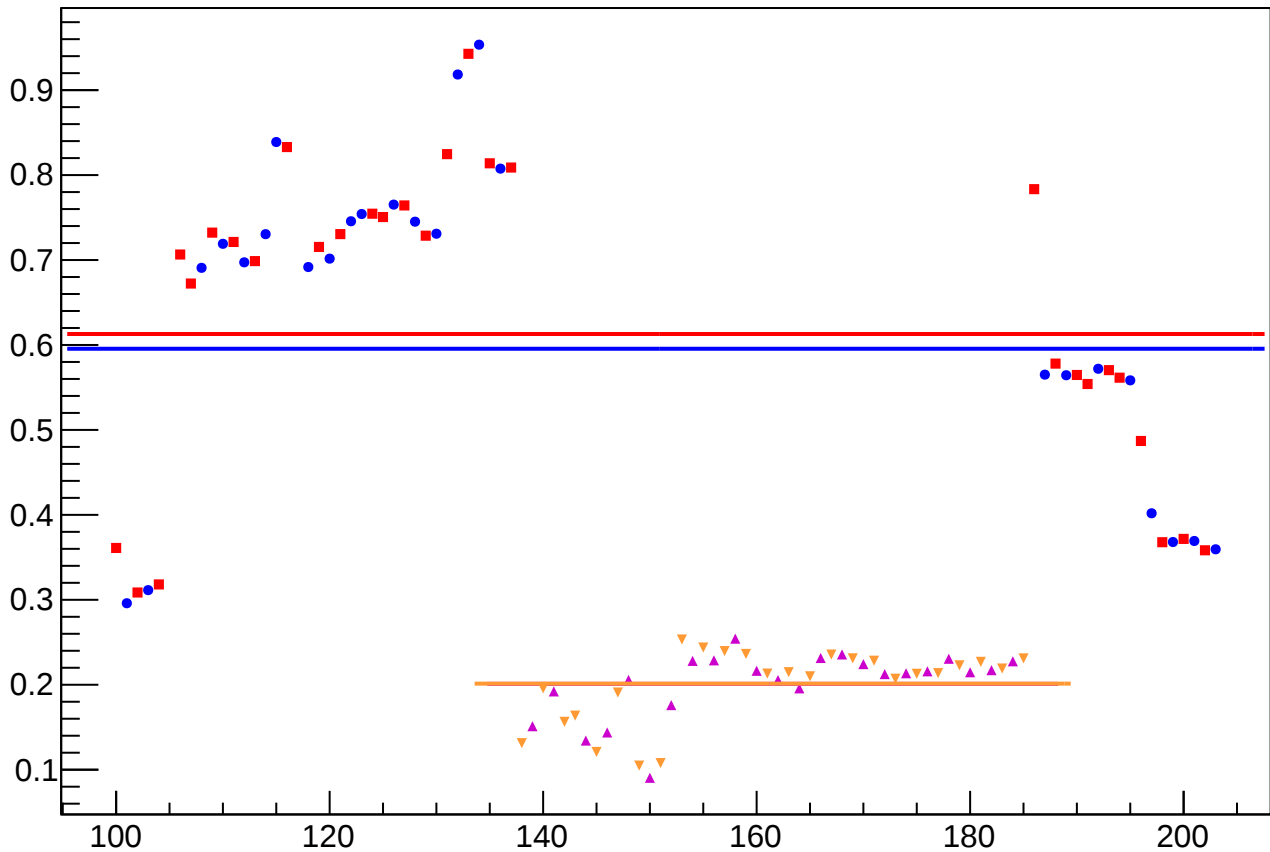
Left In: 0.012+/-0.000 χ^2/NDF :127308.3/22

+ sign 0.012+/-0.000 χ^2/NDF : 1172597.7/49

All: 0.012+/-0.000 χ^2/NDF : 2518074.8/101

- sign 0.012+/-0.000 χ^2/NDF : 1342001.1/51

yield_bpm0l07Y_mean vs Slug



Right In: 0.596 $\pm$ 0.000 χ^2 /NDF: 62236698823.6/24

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.613 $\pm$ 0.000 χ^2 /NDF: 58769367089.4/28

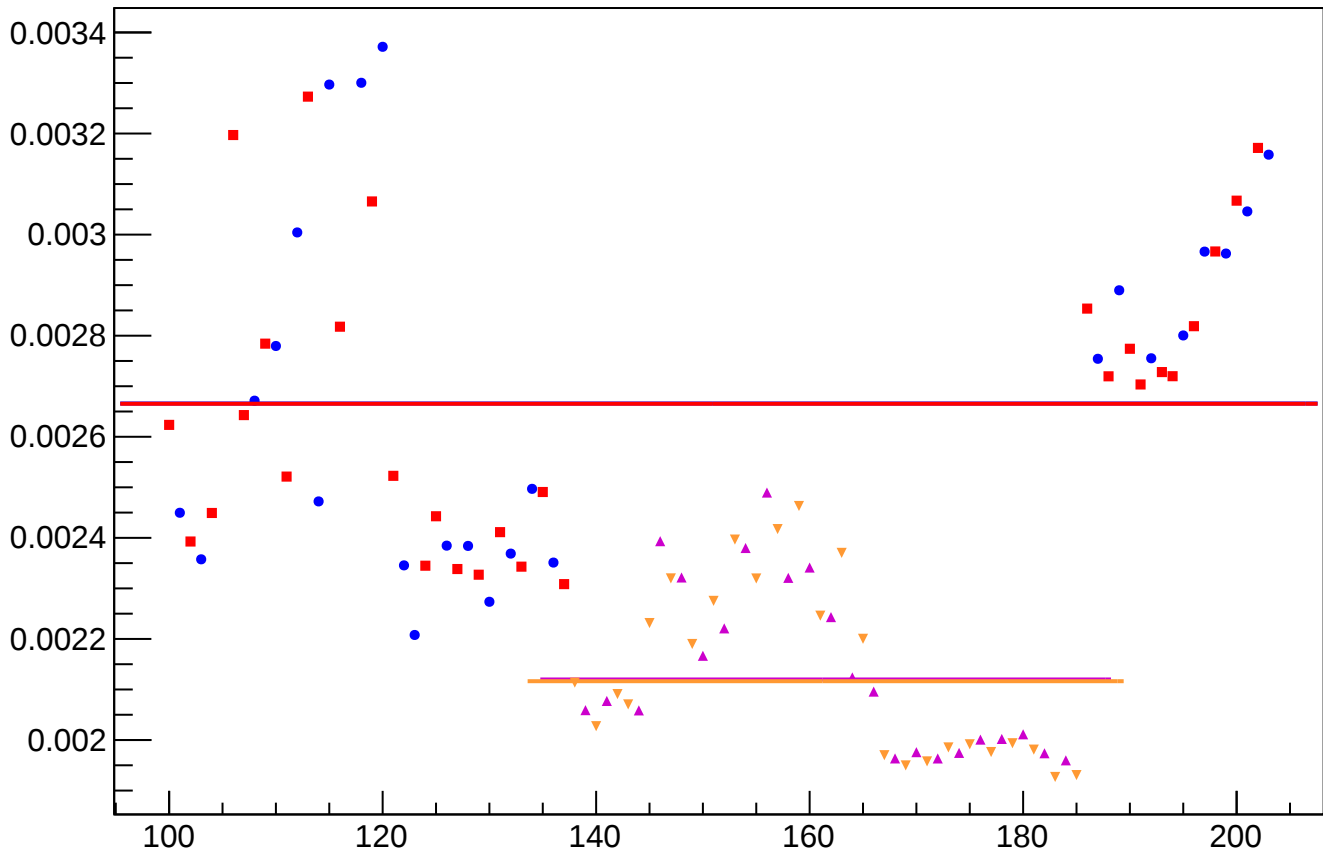
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.315 $\pm$ 0.000 χ^2 /NDF: 250812195705.3/49

All: 0.324 $\pm$ 0.000 χ^2 /NDF: 524581148761.6

- sign 0.334 $\pm$ 0.000 χ^2 /NDF: 272773477214.3/51

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 330289.2/24

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 248422.5/28

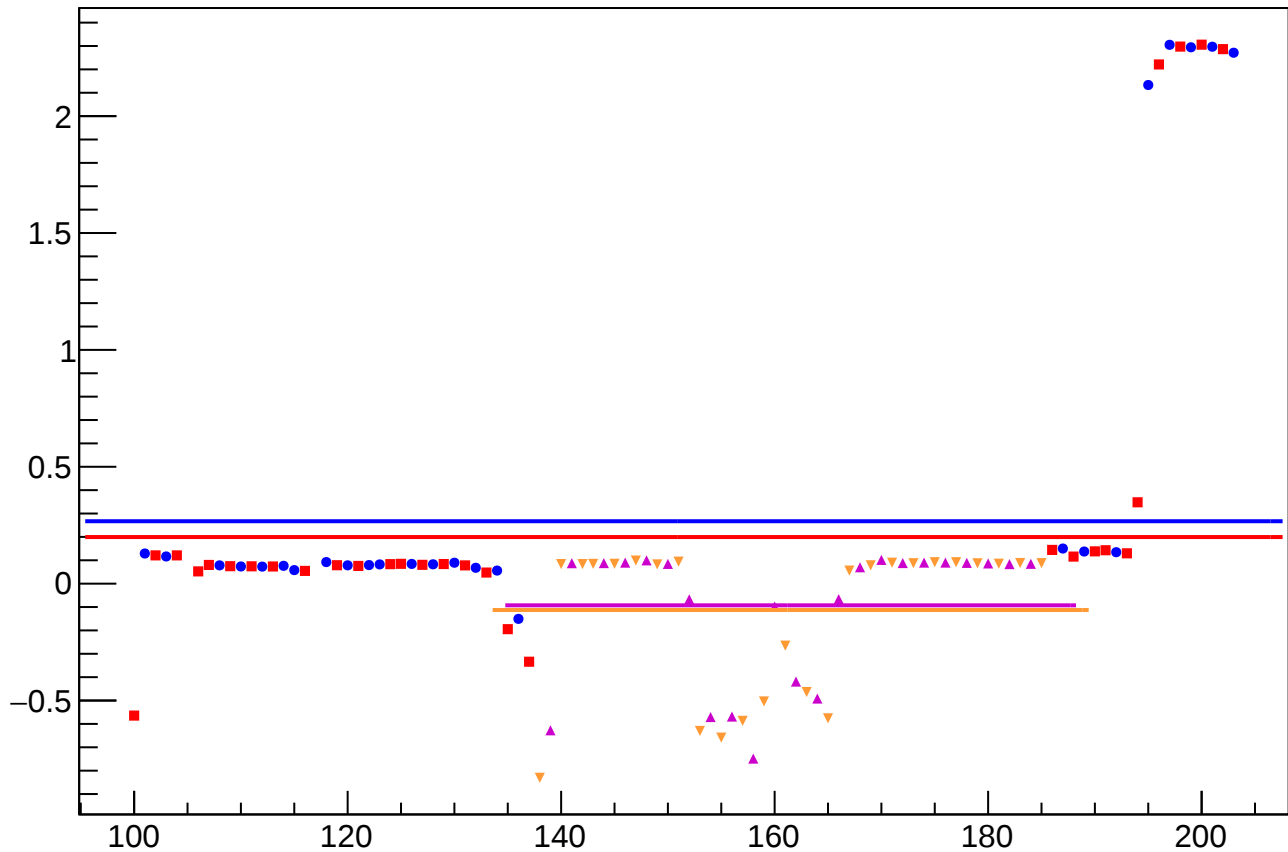
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 1259800.7/49

All: 0.002+/-0.000 χ^2/NDF : 2430883.3/101

- sign 0.002+/-0.000 χ^2/NDF : 1168648.8/51

yield_bpm0l08X_mean vs Slug



Right In: 0.267 $\pm$ 0.000 χ^2 /NDF: 33657793247.1/24

Left Out: -0.113 $\pm$ 0.000 χ^2 /NDF: 13667354077.1/24

Right Out: 0.199 $\pm$ 0.000 χ^2 /NDF: 27876418428.4/28

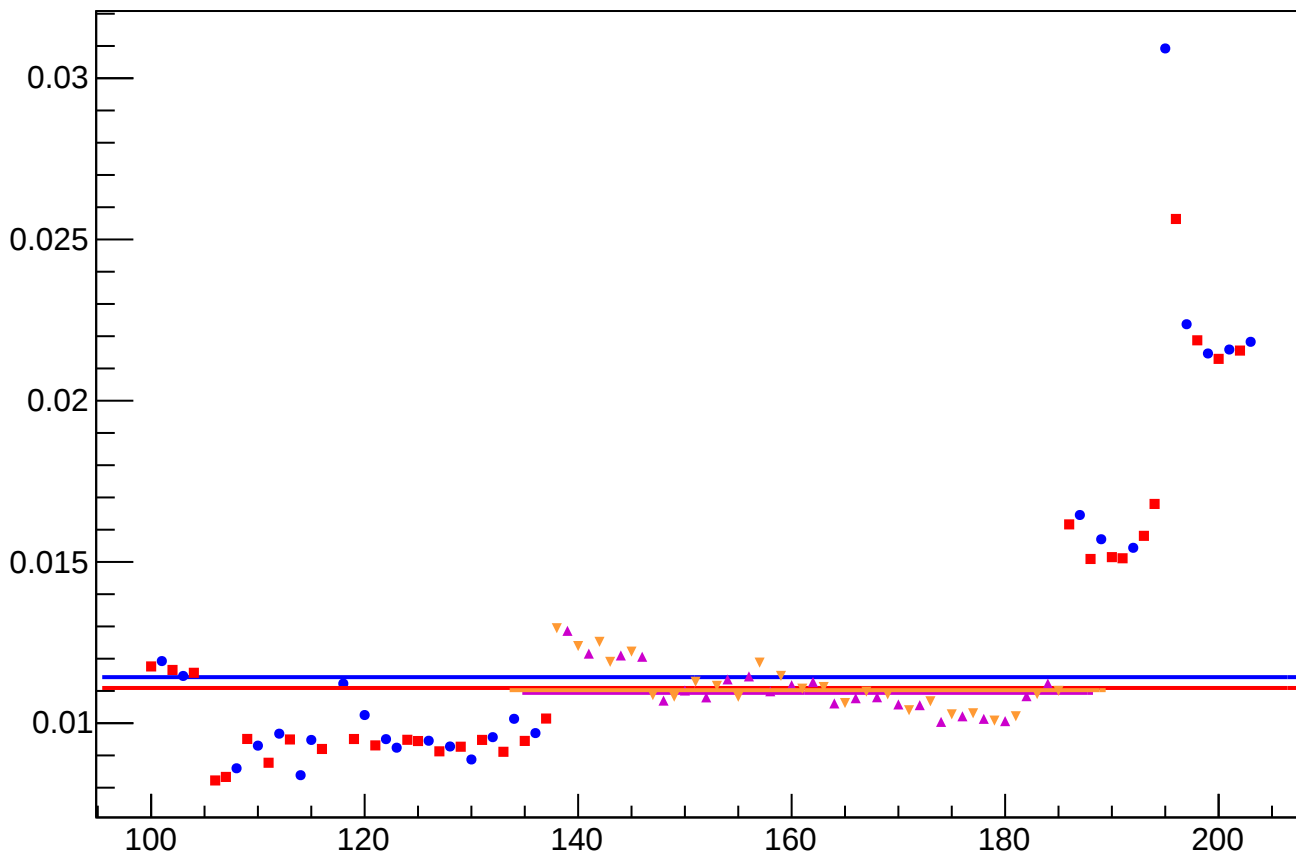
Left In: -0.093 $\pm$ 0.000 χ^2 /NDF: 11051944893.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 54810438473.1/49

All: 0.025 $\pm$ 0.000 χ^2 /NDF: 98589639561.2/51

- sign 0.027 $\pm$ 0.000 χ^2 /NDF: 43777605130.3/51

yield_bpm0l08X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2785877.1/24

Left Out: 0.011+/-0.000 χ^2/NDF :141501.7/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2625473.0/28

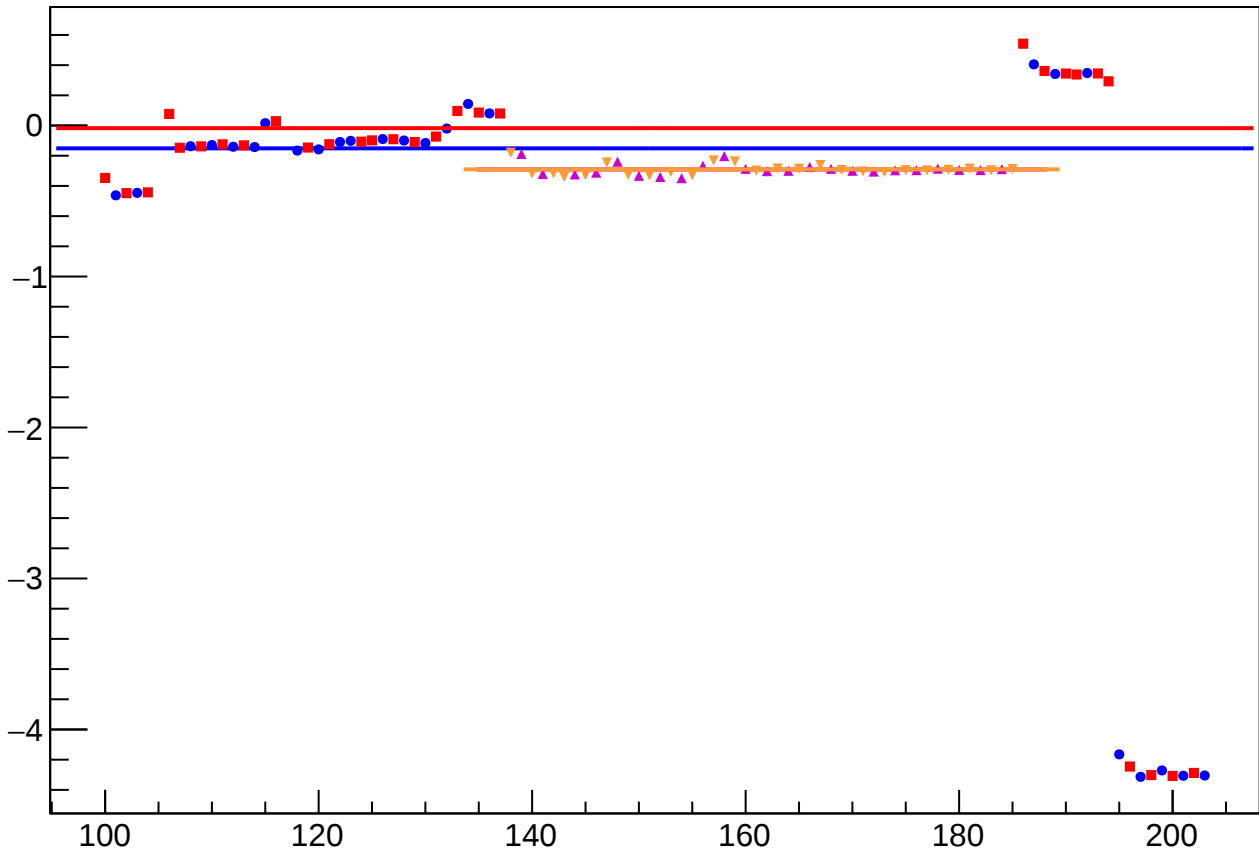
Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 2944293.3/49

All: 0.011+/-0.000 χ^2/NDF : 5707626.8/101

- sign 0.011+/-0.000 χ^2/NDF : 2756993.3/51

yield_bpm0l08Y_mean vs Slug



Right In: -0.151 ± 0.000 $\chi^2/\text{NDF}: 223849752390.3/24$

Left Out: -0.290 ± 0.000 $\chi^2/\text{NDF}: 2877519093.0/24$

Right Out: -0.017 ± 0.000 $\chi^2/\text{NDF}: 202374777928.2/28$

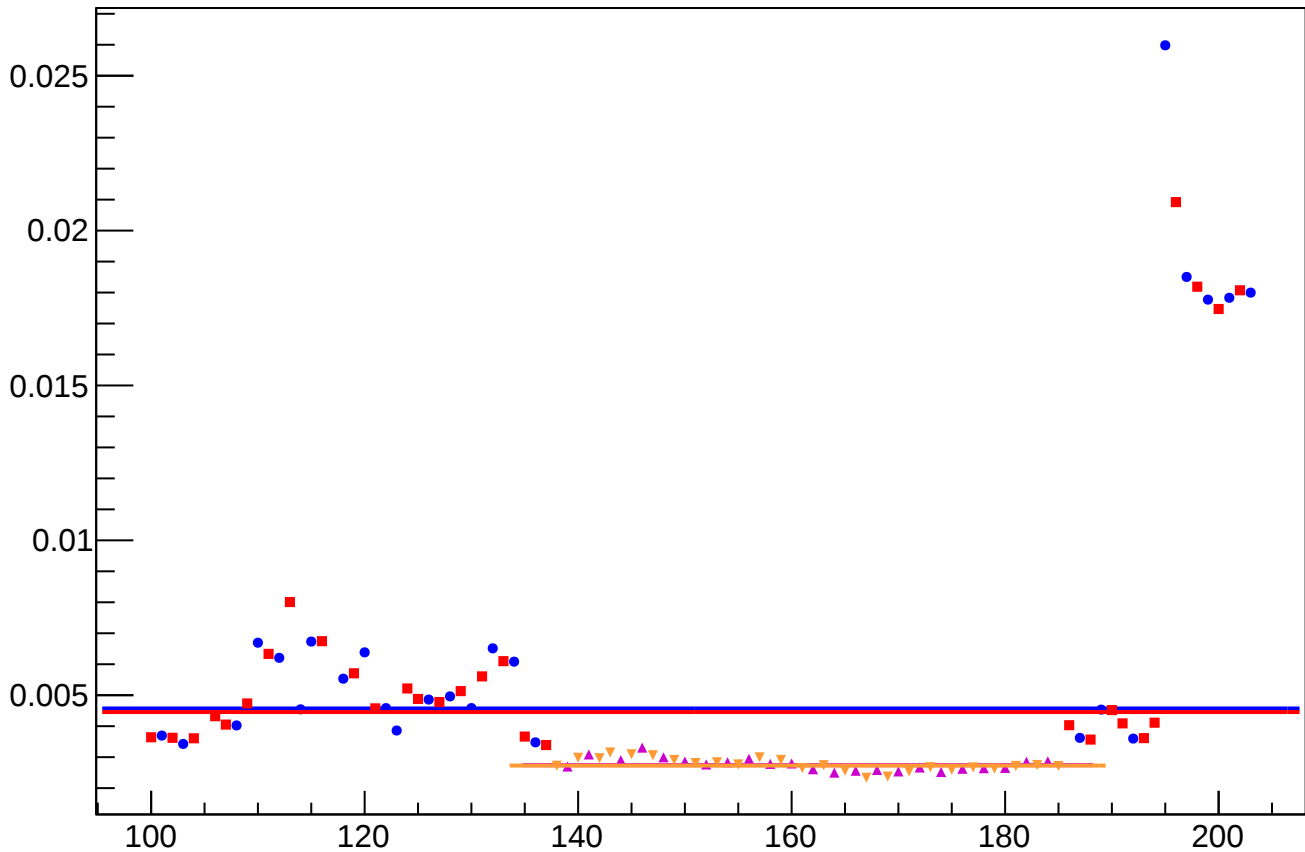
Left In: -0.291 ± 0.000 $\chi^2/\text{NDF}: 3125402243.3/22$

+ sign -0.269 ± 0.000 $\chi^2/\text{NDF}: 233655273256.4/49$

All: -0.254 ± 0.000 $\chi^2/\text{NDF}: 472227961462.9$

- sign -0.238 ± 0.000 $\chi^2/\text{NDF}: 237259541850.7/51$

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 5428696.8/24

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 206527.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 4204559.9/28

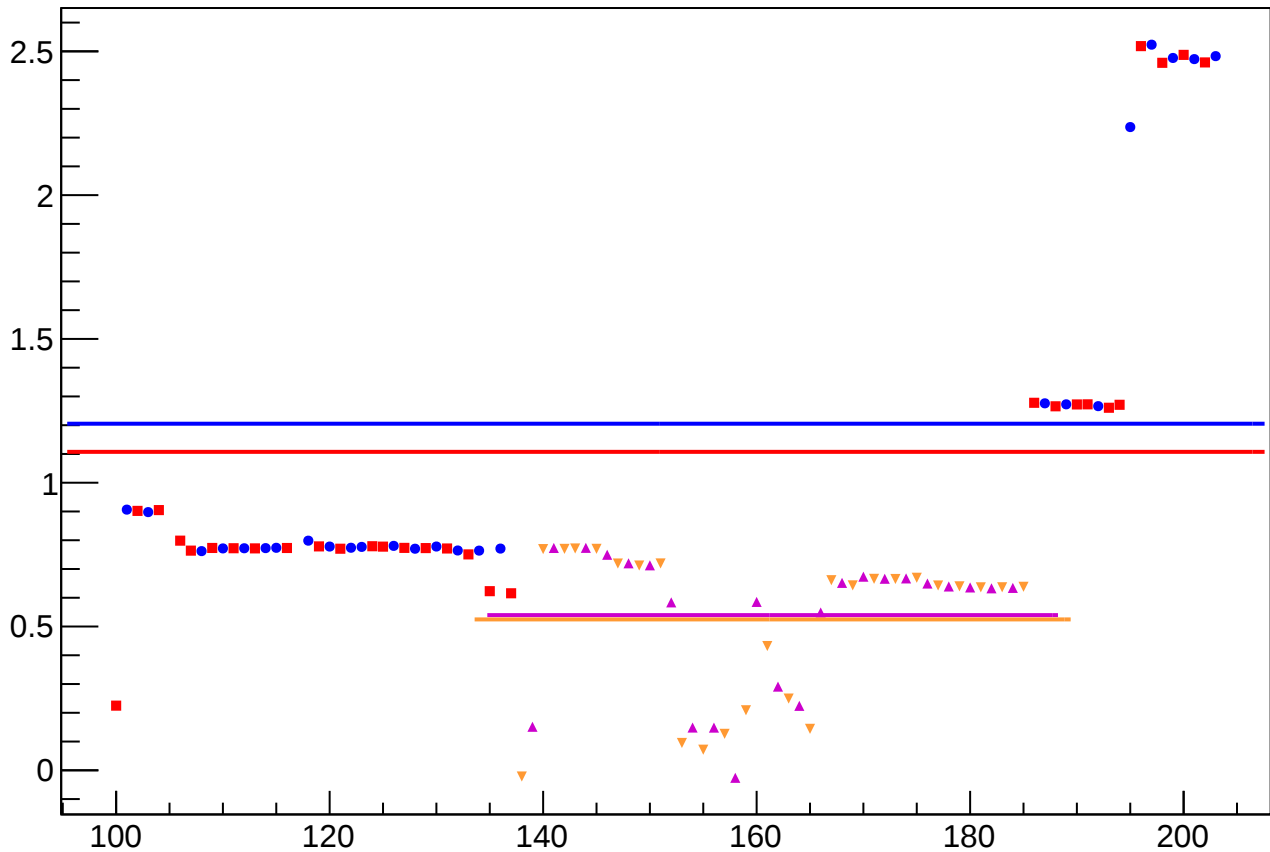
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 8066679.6/49

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 14923591.5/101

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6845342.0/51

yield_bpm0l09X_mean vs Slug



Right In: 1.205 $\pm$ 0.000 χ^2/NDF : 37234723279.7/24

Left Out: 0.525 $\pm$ 0.000 χ^2/NDF : 9623503169.9/24

Right Out: 1.107 $\pm$ 0.000 χ^2/NDF : 33516202990.1/28

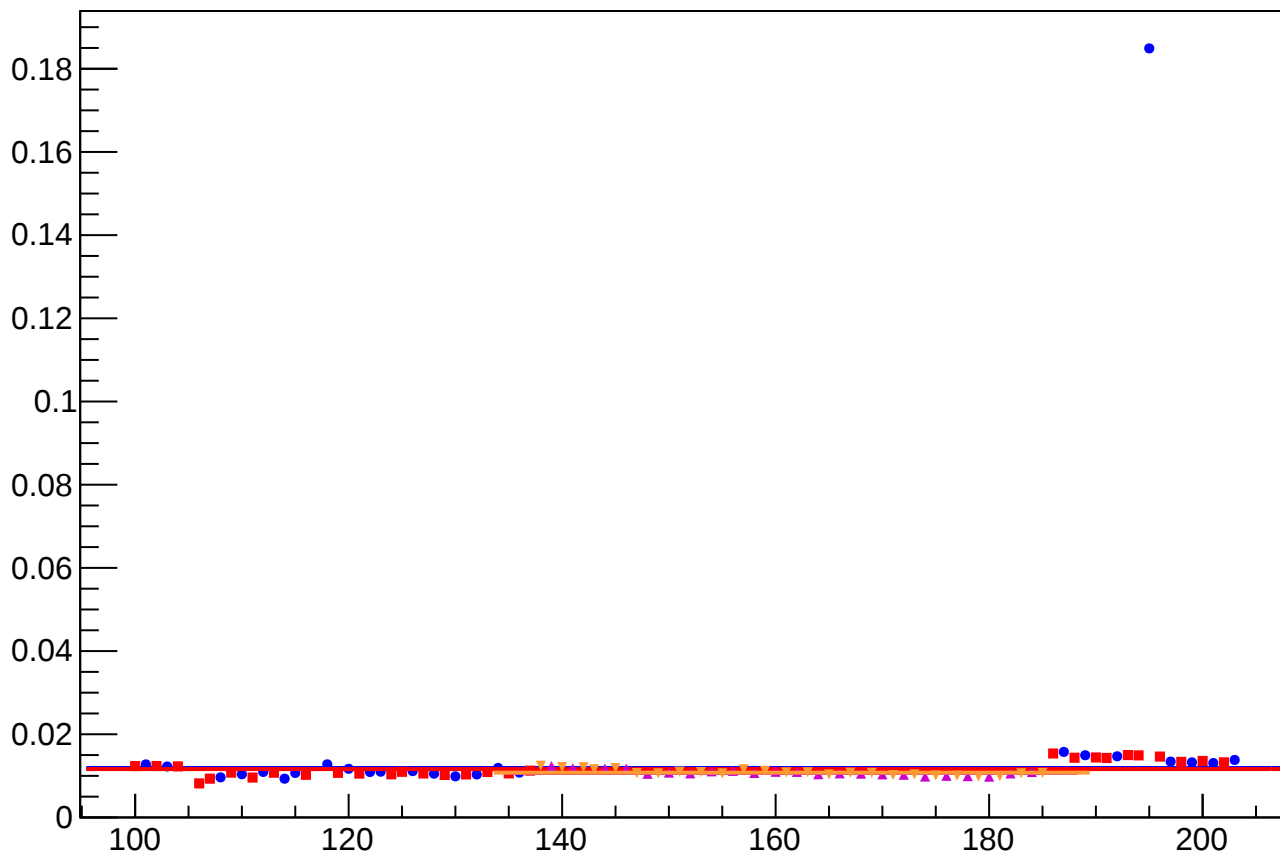
Left In: 0.540 $\pm$ 0.000 χ^2/NDF : 7860539135.5/22

+ sign 0.754 $\pm$ 0.000 χ^2/NDF : 70632093013.7/49

All: 0.755 $\pm$ 0.000 χ^2/NDF : 130041439723.4

- sign 0.757 $\pm$ 0.000 χ^2/NDF : 59407921576.1/51

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1863485.1/24

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 670219.5/28

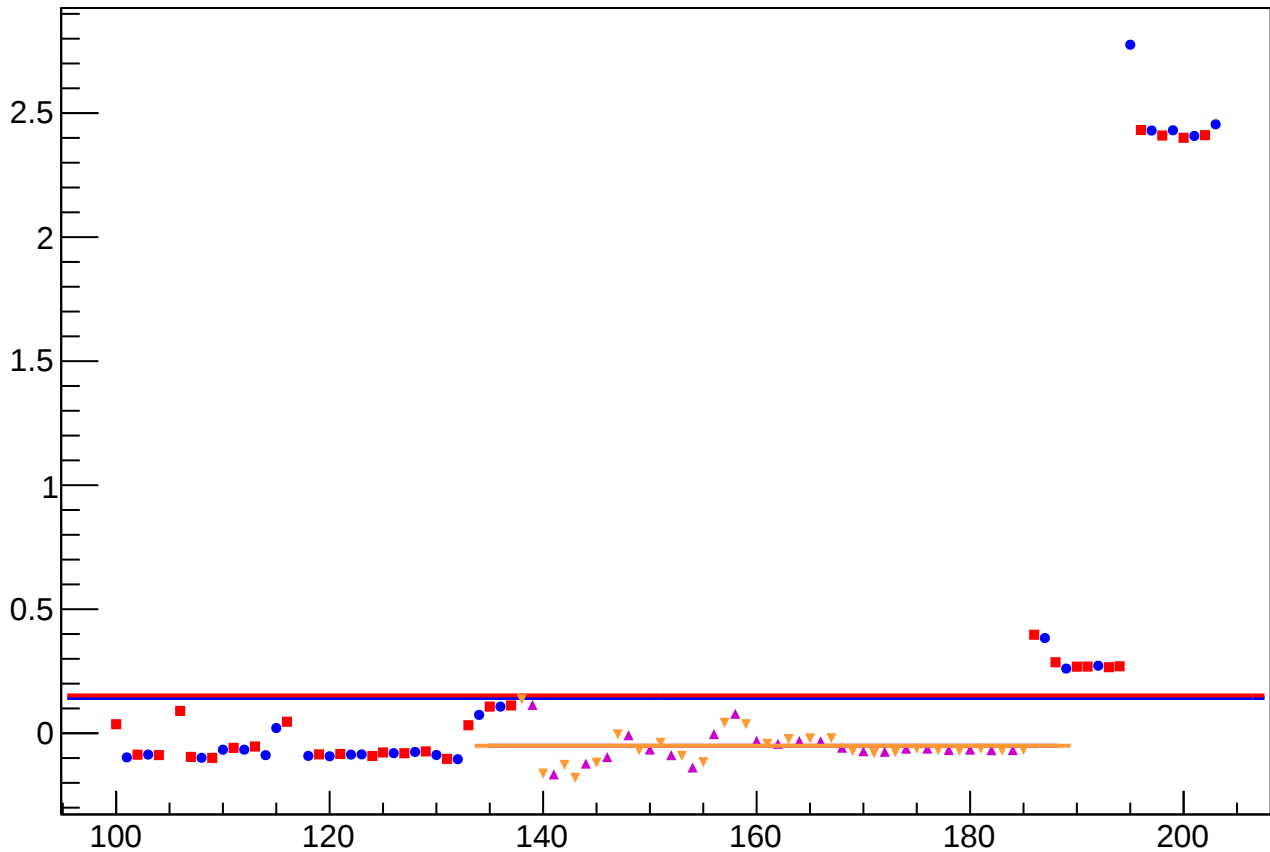
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2121905.0/49

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3011751.2/101

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 887859.8/51

yield_bpm0l09Y_mean vs Slug



Right In: 0.142 $\pm$ 0.000 χ^2 /NDF: 109378136567.8/24

Left Out: -0.050 $\pm$ 0.000 χ^2 /NDF: 7271496478.6/24

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 88429590127.1/28

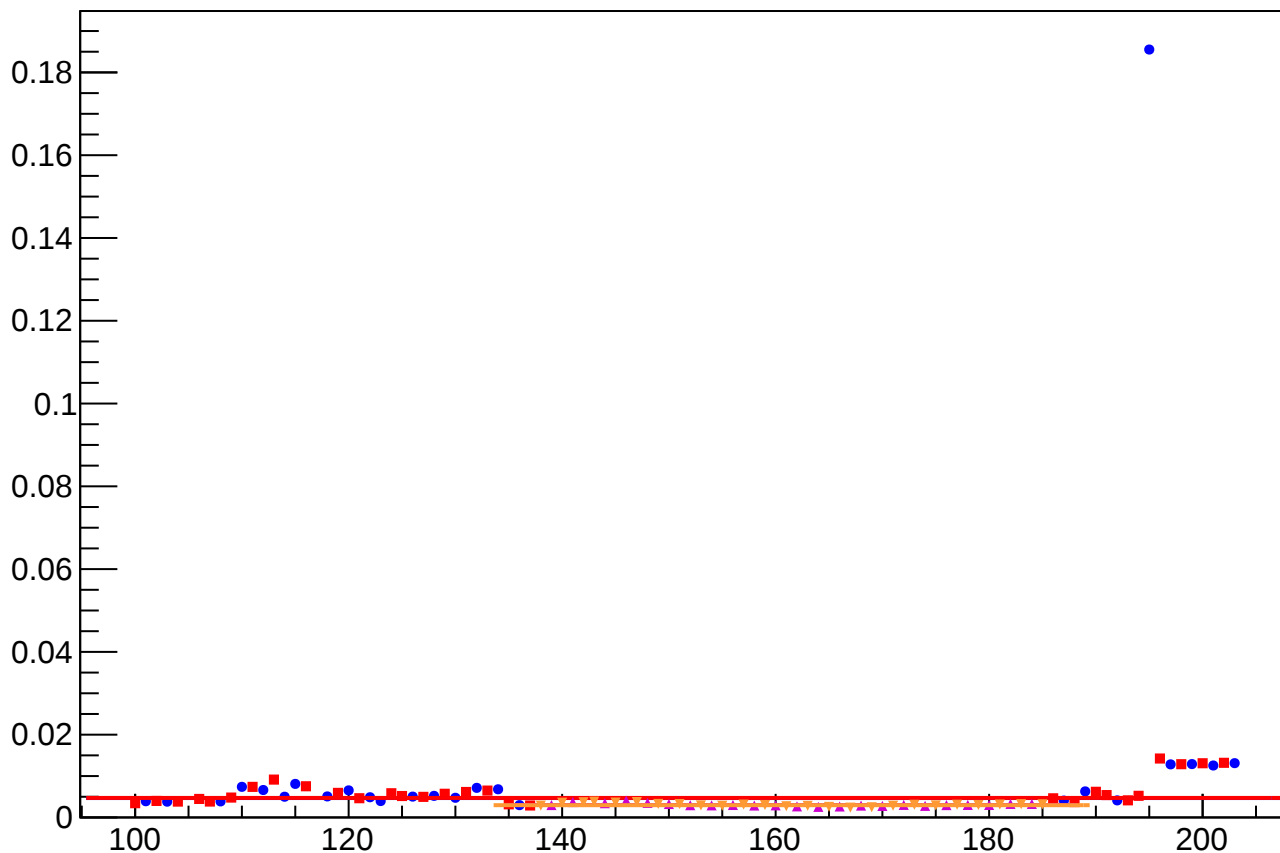
Left In: -0.051 $\pm$ 0.000 χ^2 /NDF: 6128769990.8/22

+ sign -0.018 $\pm$ 0.000 χ^2 /NDF: 128748121278.3/49

All: -0.014 $\pm$ 0.000 χ^2 /NDF: 238320281527.8

- sign -0.009 $\pm$ 0.000 χ^2 /NDF: 109486481936.2/51

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 5147454.9/24

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 3279195.1/28

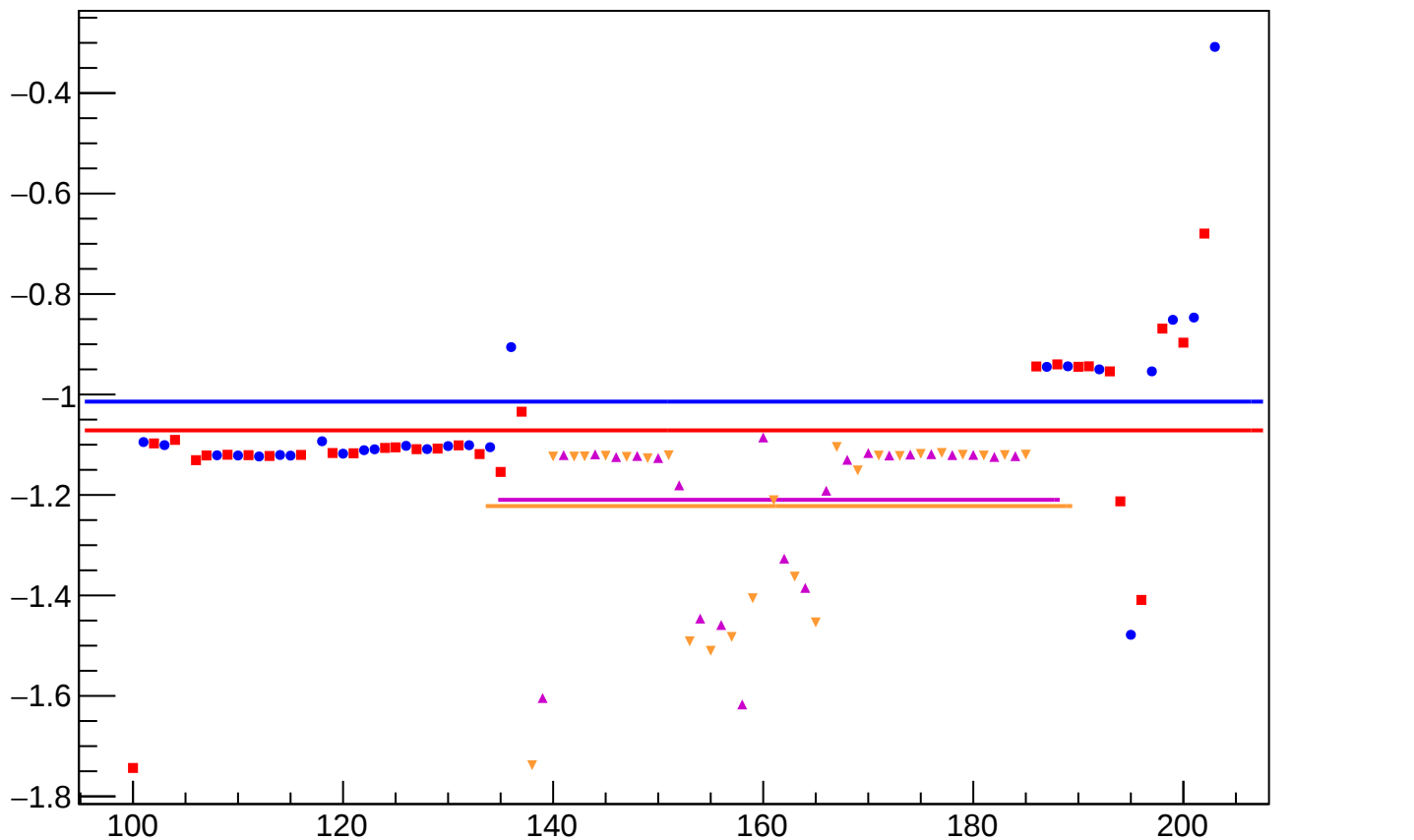
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 7587526.9/49

All: 0.003+/-0.000 χ^2/NDF : 13335454.5/101

- sign 0.003+/-0.000 χ^2/NDF : 5726067.0/51

yield_bpm0l10X_mean vs Slug



Right In: -1.014 ± 0.000 χ^2/NDF : 3840233488.0/24

Left Out: -1.222 ± 0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.071 ± 0.000 χ^2/NDF : 2012240149.3/28

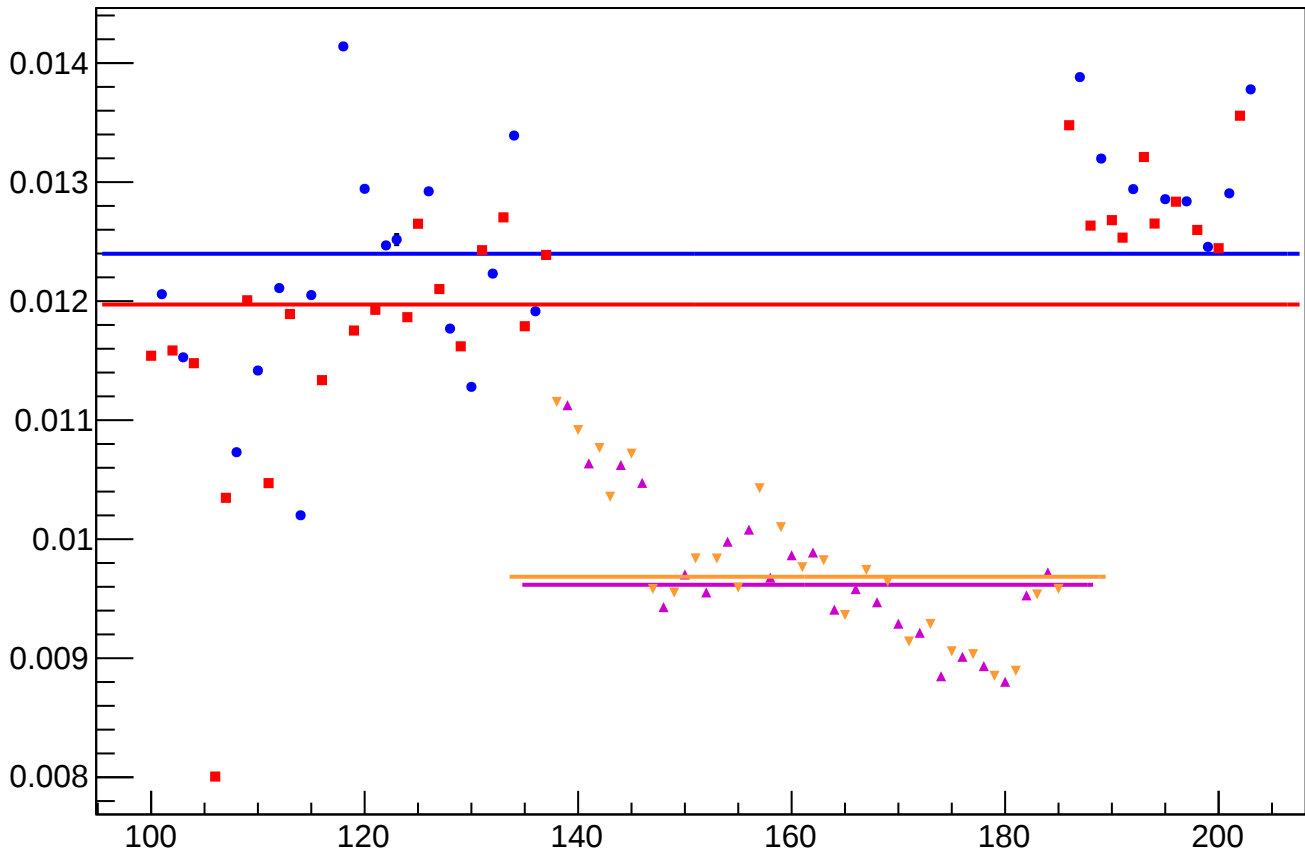
Left In: -1.210 ± 0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.162 ± 0.000 χ^2/NDF : 11482835003.8/49

All: -1.163 ± 0.000 χ^2/NDF : 19156169543.0/51

- sign -1.163 ± 0.000 χ^2/NDF : 7673099374.0/51

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 105641.6/24

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 251862.2/28

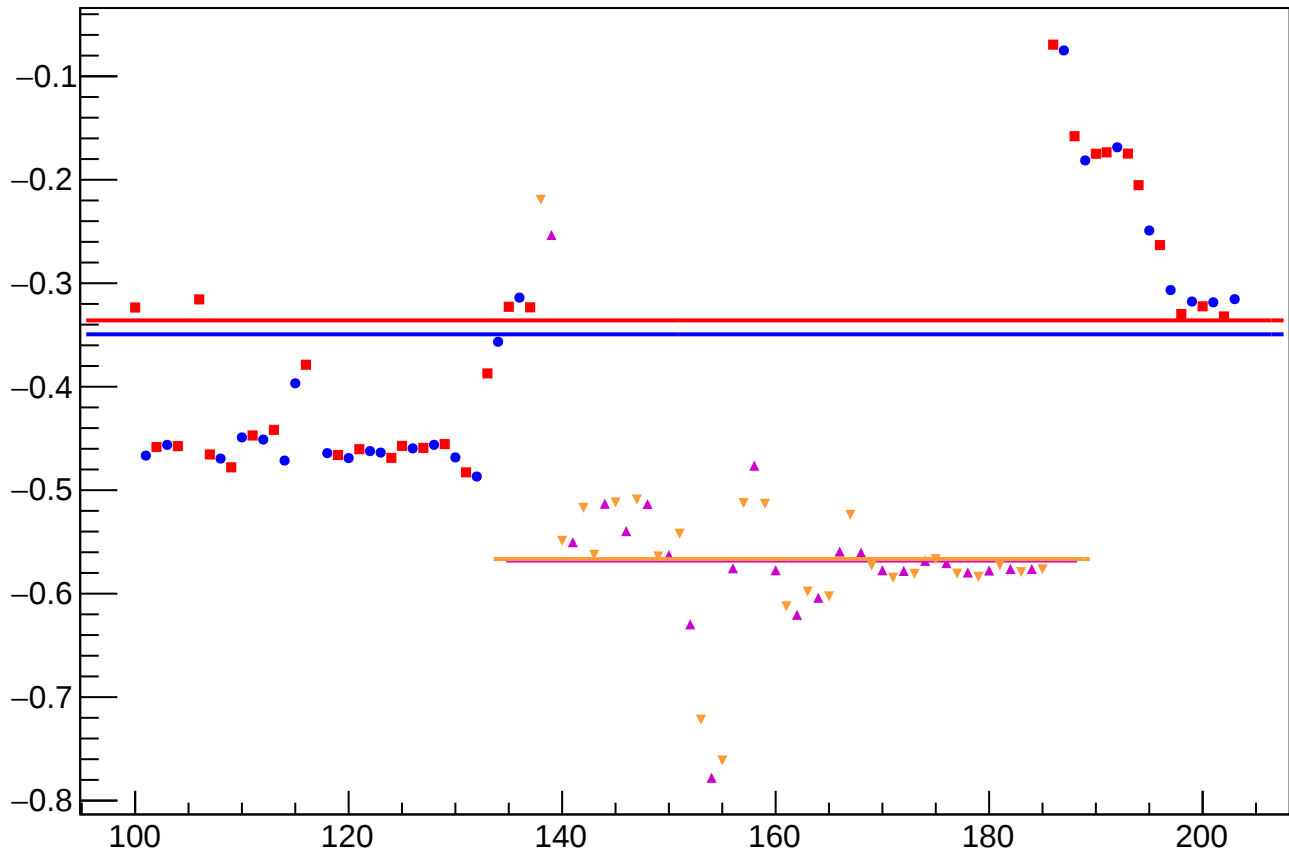
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1045459.8/49

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 2090496.8/101

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1043966.8/51

yield_bpm0l10Y_mean vs Slug



Right In: -0.349+/-0.000 χ^2/NDF : 7753570159.3/24

Left Out: -0.567+/-0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.336+/-0.000 χ^2/NDF : 10334548770.5/28

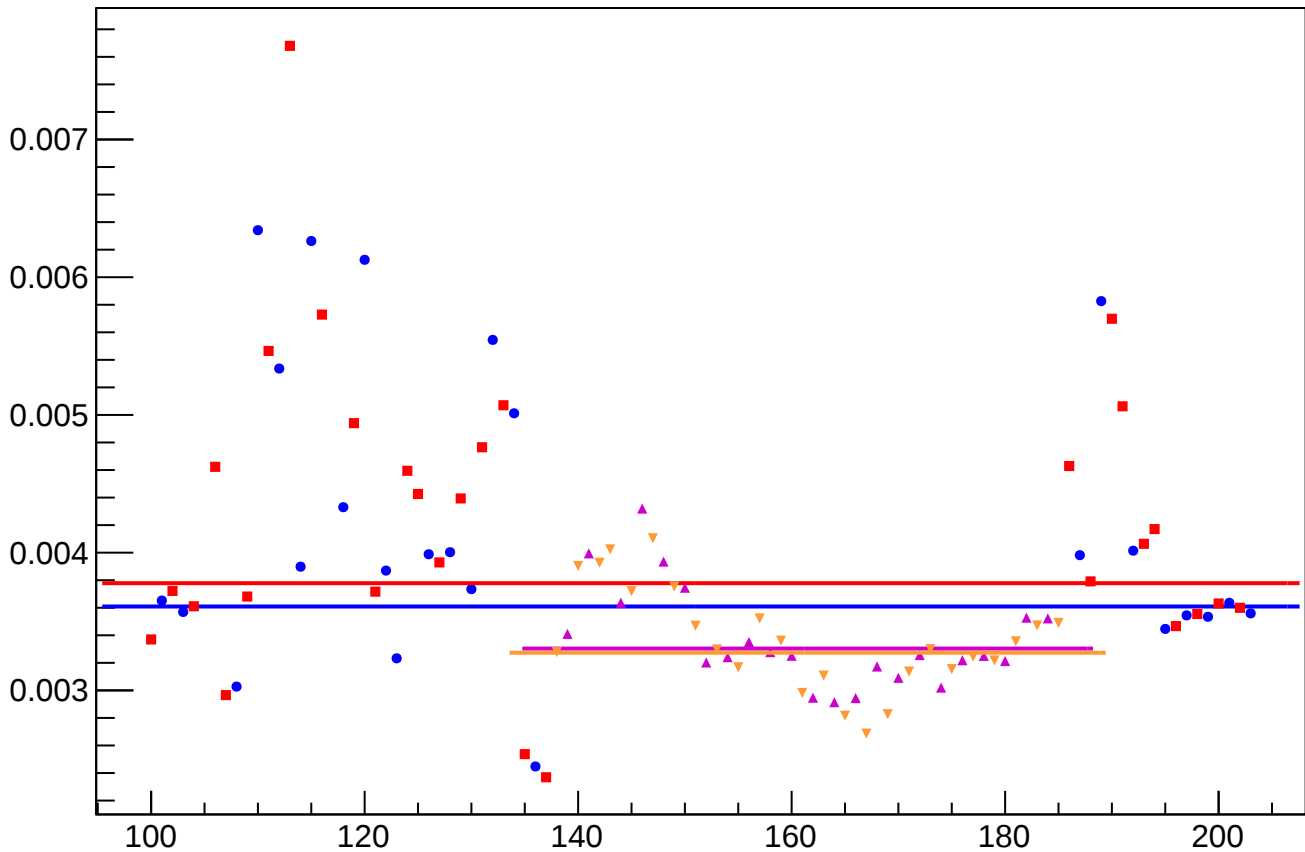
Left In: -0.568+/-0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.493+/-0.000 χ^2/NDF : 46705363864.4/49

All: -0.489+/-0.000 χ^2/NDF : 96211327955.0/100

- sign -0.485+/-0.000 χ^2/NDF : 49421278050.3/51

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 993092.0/24

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1060319.1/28

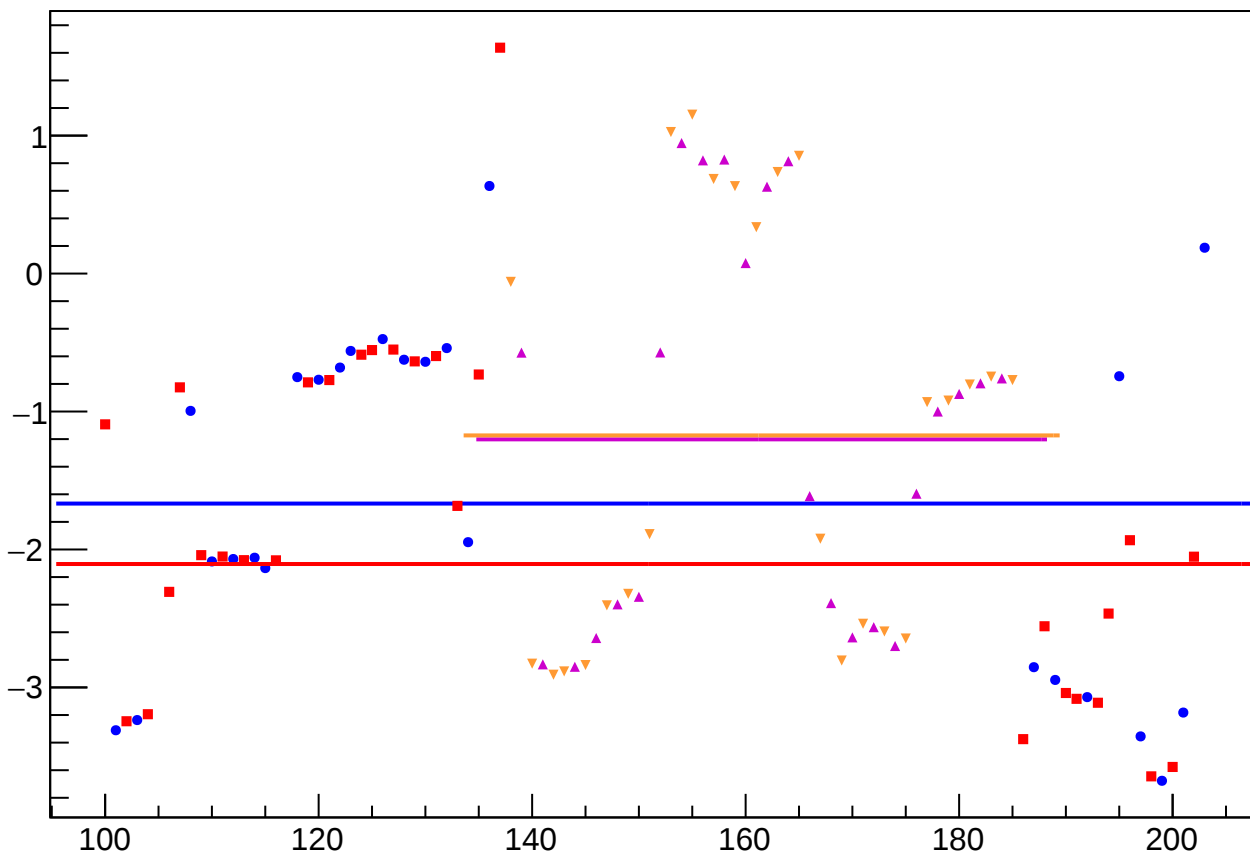
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1510160.2/49

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3114140.8/101

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1585967.3/51

yield_bpm0r03X_mean vs Slug



Right In: -1.667+/-0.000 χ^2/NDF : 4465716066.3/24

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -2.105+/-0.000 χ^2/NDF : 3106777557.7/28

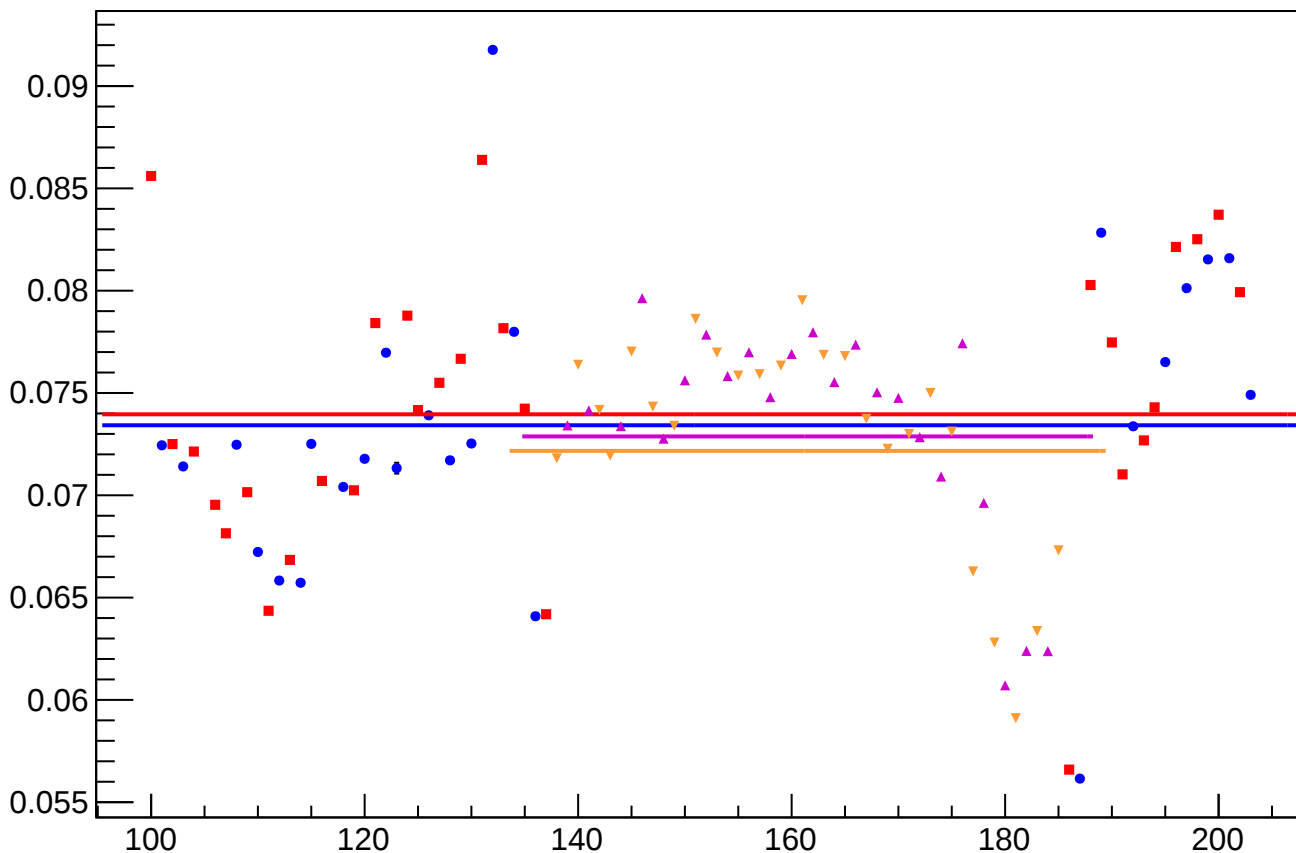
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.366+/-0.000 χ^2/NDF : 11678245668.5/49

All: -1.478+/-0.000 χ^2/NDF : 21656689925.2/51

- sign -1.591+/-0.000 χ^2/NDF : 9835919449.0/51

yield_bpm0r03X_rms vs Slug



Right In: 0.073 $\pm$ 0.000 χ^2 /NDF: 176511.2/24

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:222263.8/24

Right Out: 0.074 $\pm$ 0.000 χ^2 /NDF: 221762.0/28

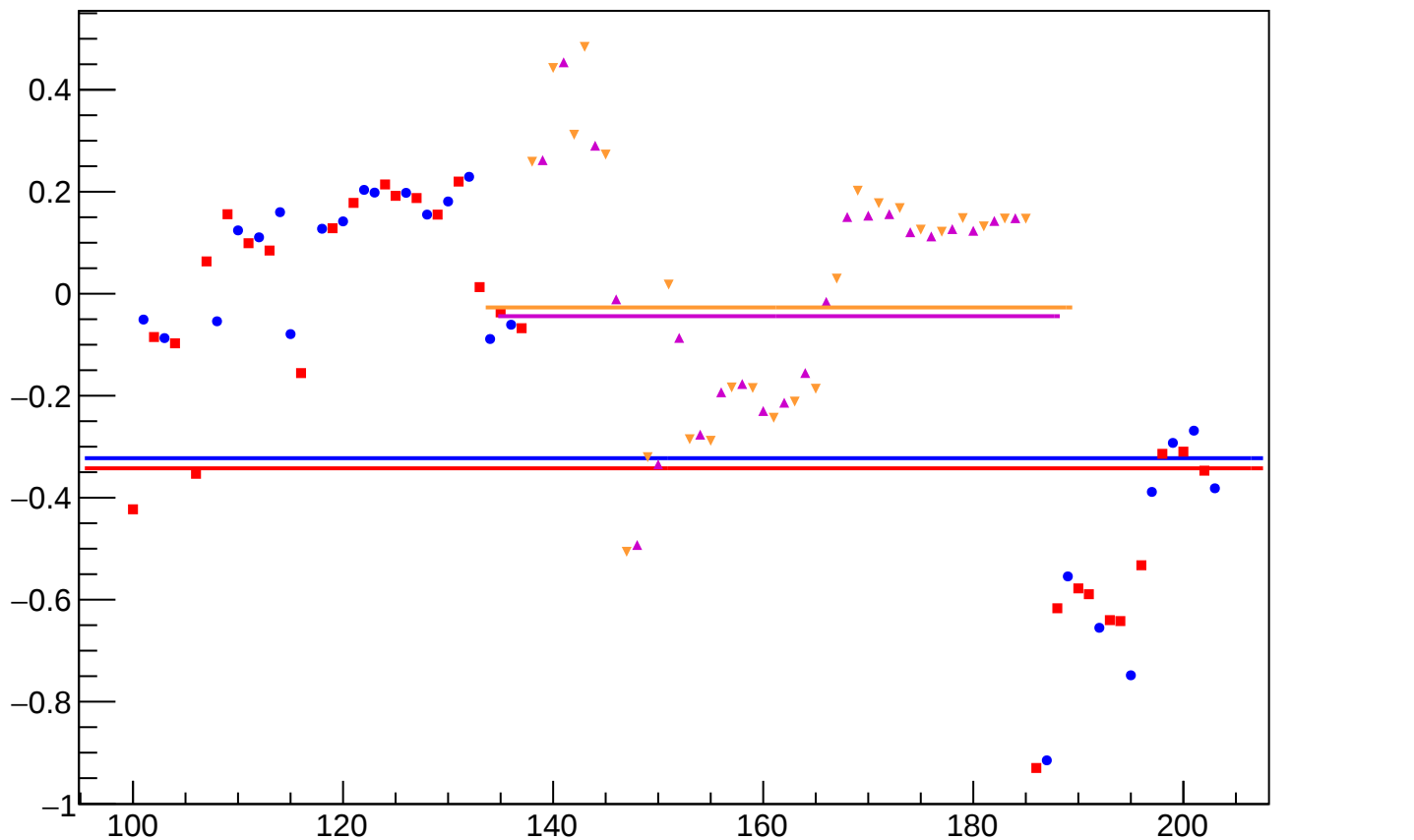
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

+ sign 0.073 $\pm$ 0.000 χ^2 /NDF: 403008.0/49

All: 0.073 $\pm$ 0.000 χ^2 /NDF: 814117.0/101

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 408477.1/51

yield_bpm0r03Y_mean vs Slug



Right In: -0.323 ± 0.000 $\chi^2/\text{NDF}: 12128449421.6/24$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.342 ± 0.000 $\chi^2/\text{NDF}: 10940499890.9/28$

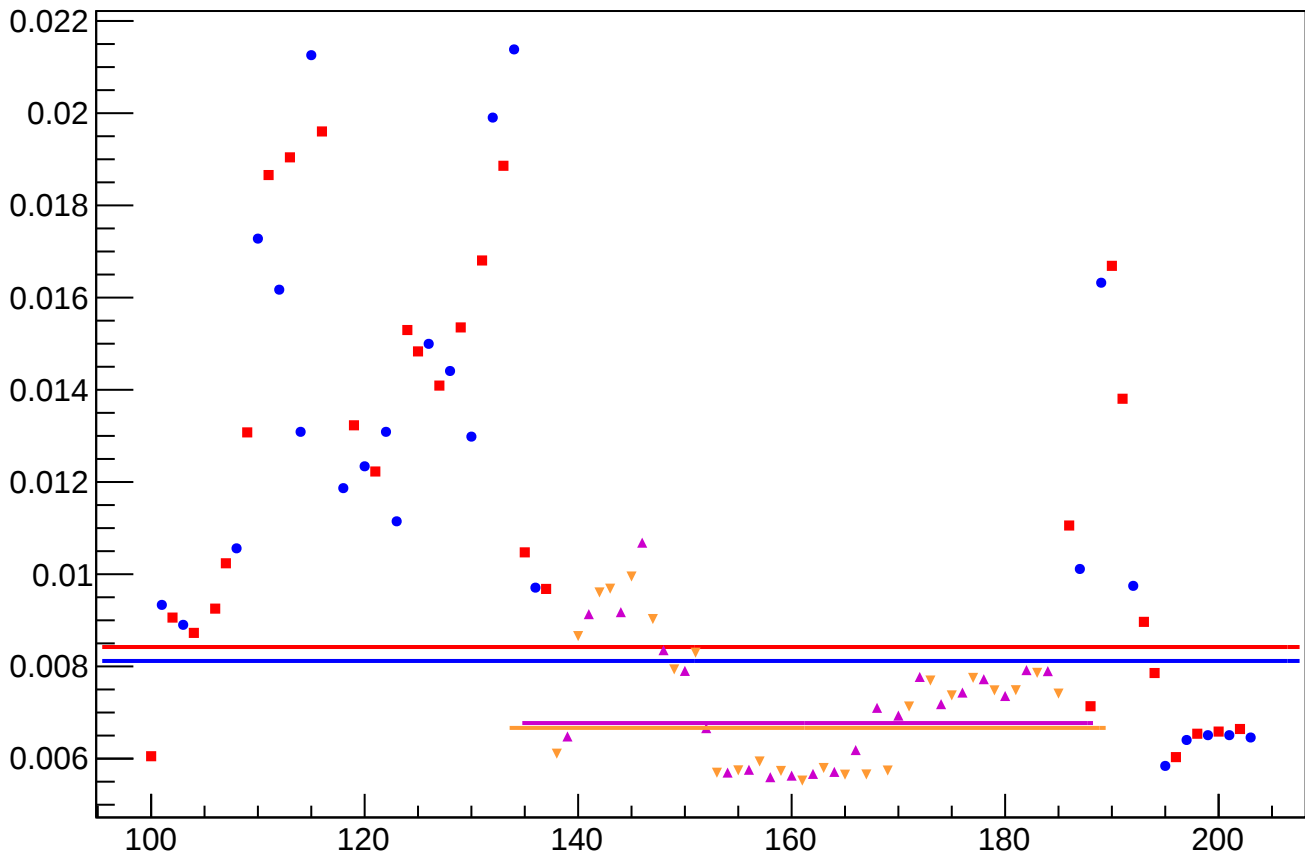
Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

+ sign -0.112 ± 0.000 $\chi^2/\text{NDF}: 42067382949.4/49$

All: -0.124 ± 0.000 $\chi^2/\text{NDF}: 78354750509.7/100$

- sign -0.136 ± 0.000 $\chi^2/\text{NDF}: 36142824706.4/51$

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2577339.5/24

Left Out: 0.007+/-0.000 χ^2/NDF :1143768.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2754217.2/28

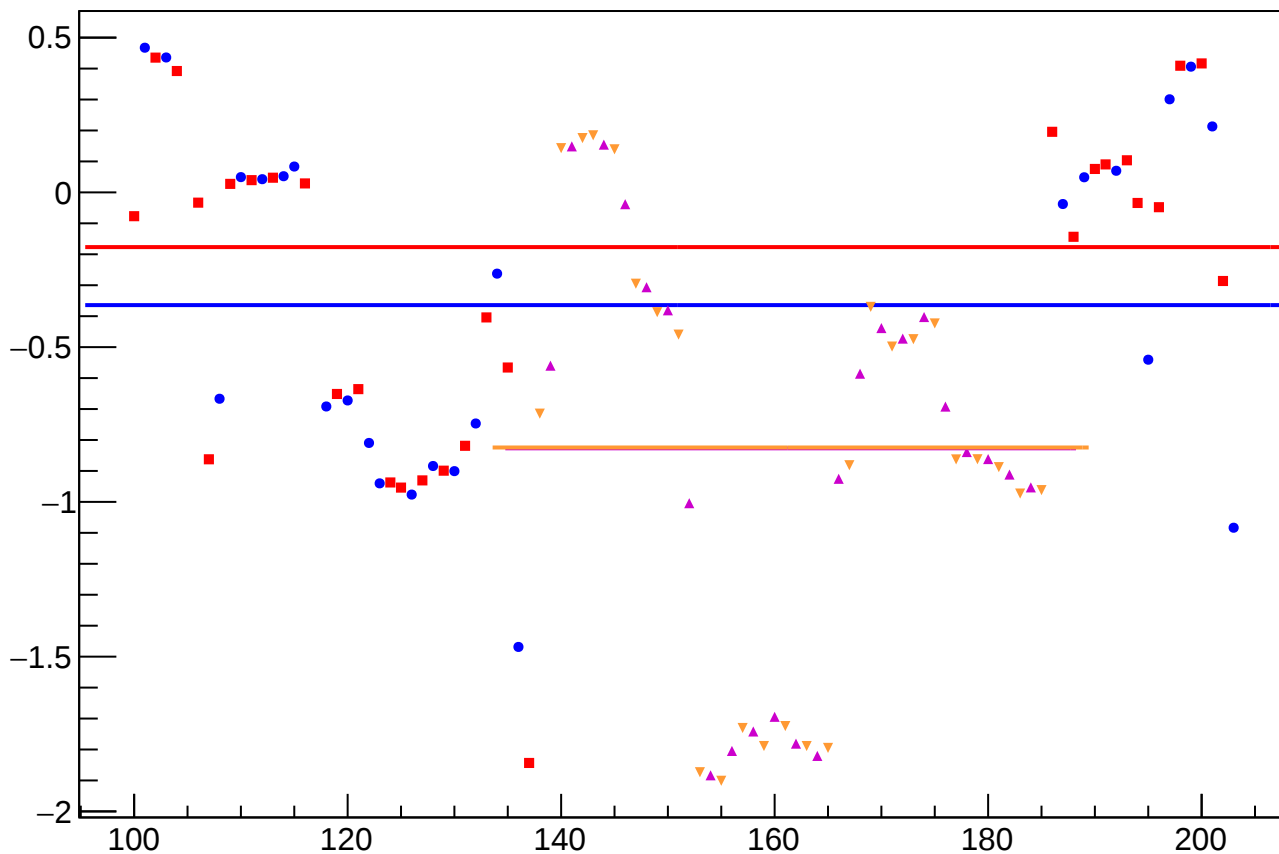
Left In: 0.007+/-0.000 χ^2/NDF :934050.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 4182614.0/49

All: 0.007+/-0.000 χ^2/NDF : 8470138.8/101

- sign 0.007+/-0.000 χ^2/NDF : 4268053.1/51

yield_bpm0r05X_mean vs Slug



Right In: -0.364+/-0.000 χ^2/NDF : 544470965.1/24

Left Out: -0.824+/-0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.177+/-0.000 χ^2/NDF : 382192583.4/28

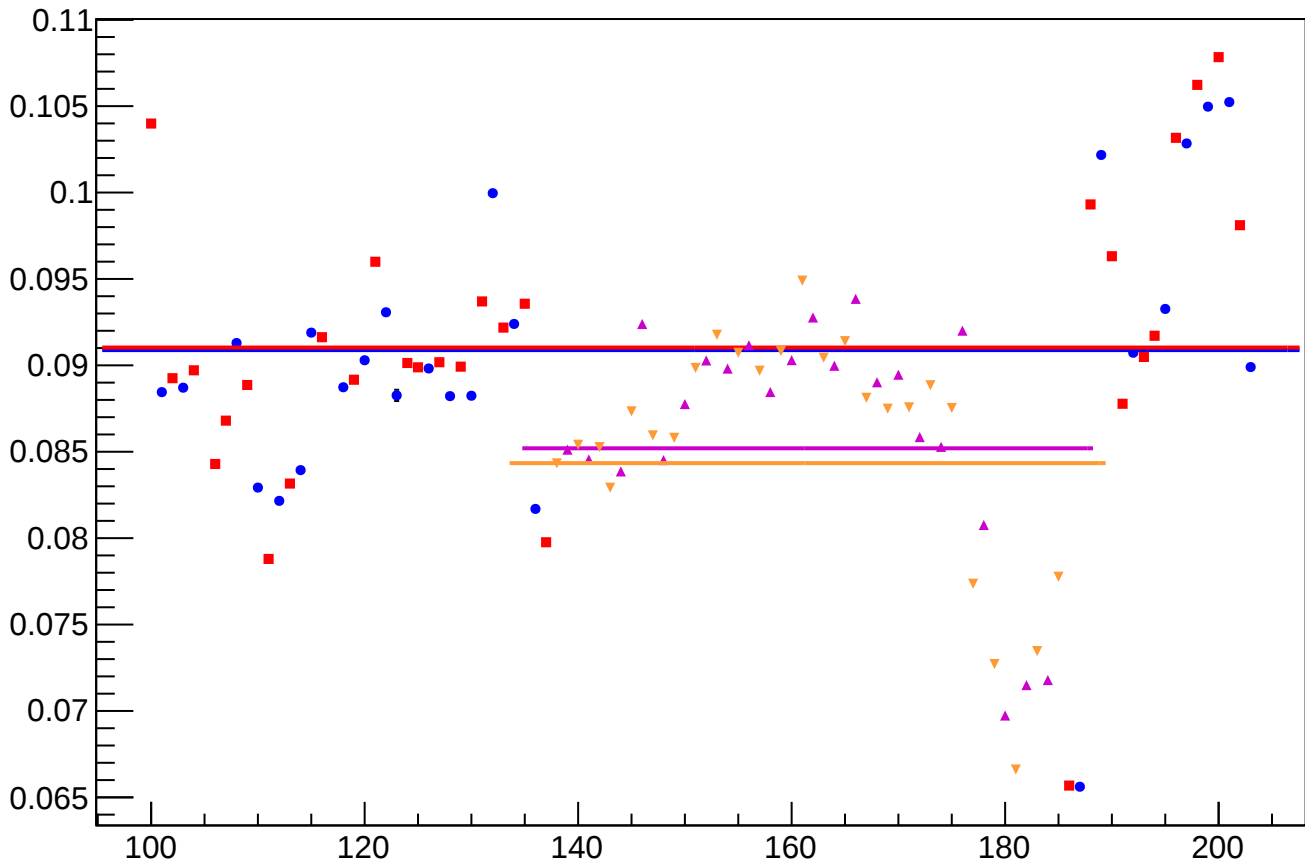
Left In: -0.827+/-0.000 χ^2/NDF : 921651117.3/22

+ sign -0.657+/-0.000 χ^2/NDF : 1844903852.8/49

All: -0.610+/-0.000 χ^2/NDF : 3570267990.0/1

- sign -0.563+/-0.000 χ^2/NDF : 1707947627.3/51

yield_bpm0r05X_rms vs Slug



Right In: 0.091 $\pm$ 0.000 χ^2 /NDF: 186233.5/24

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.091 $\pm$ 0.000 χ^2 /NDF: 278753.0/28

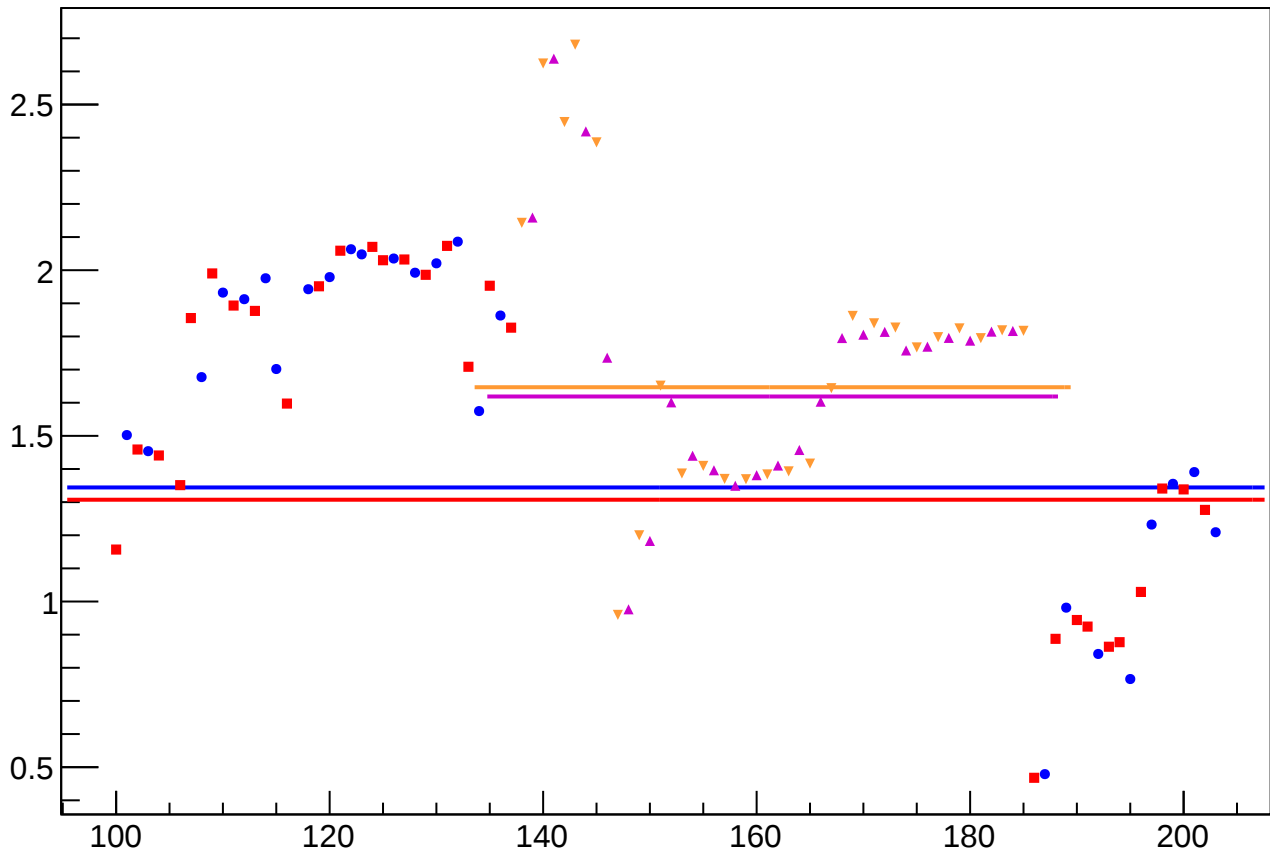
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 554083.0/49

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 1138974.0/101

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 582074.6/51

yield_bpm0r05Y_mean vs Slug



Right In: 1.344 $\pm$ 0.000 χ^2 /NDF: 12708774792.1/24

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.307 $\pm$ 0.000 χ^2 /NDF: 11992834195.0/28

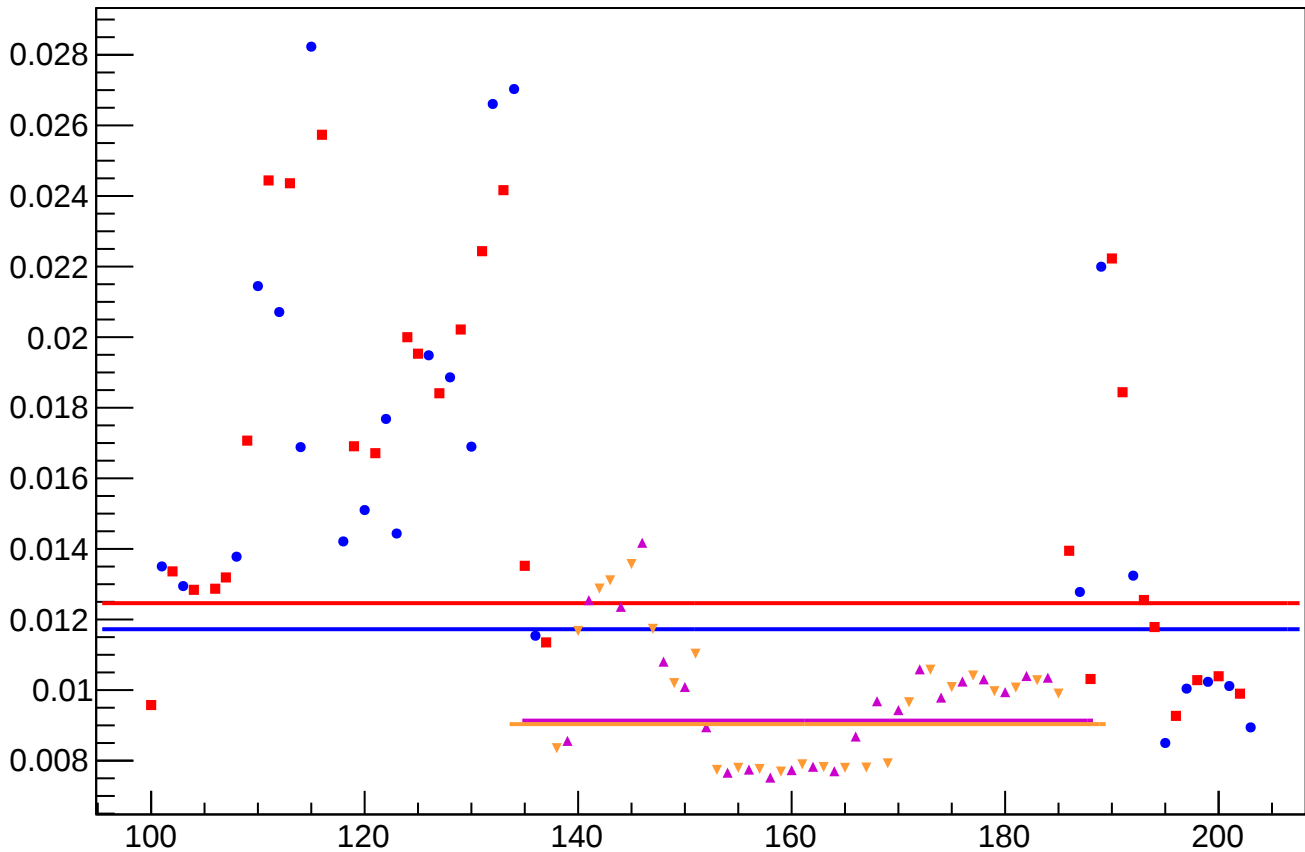
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.566 $\pm$ 0.000 χ^2 /NDF: 44349432442.7/49

All: 1.550 $\pm$ 0.000 χ^2 /NDF: 82256899421.5/51

- sign 1.533 $\pm$ 0.000 χ^2 /NDF: 37756947376.3/51

yield_bpm0r05Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1887022.3/24

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1042871.8/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 1934956.1/28

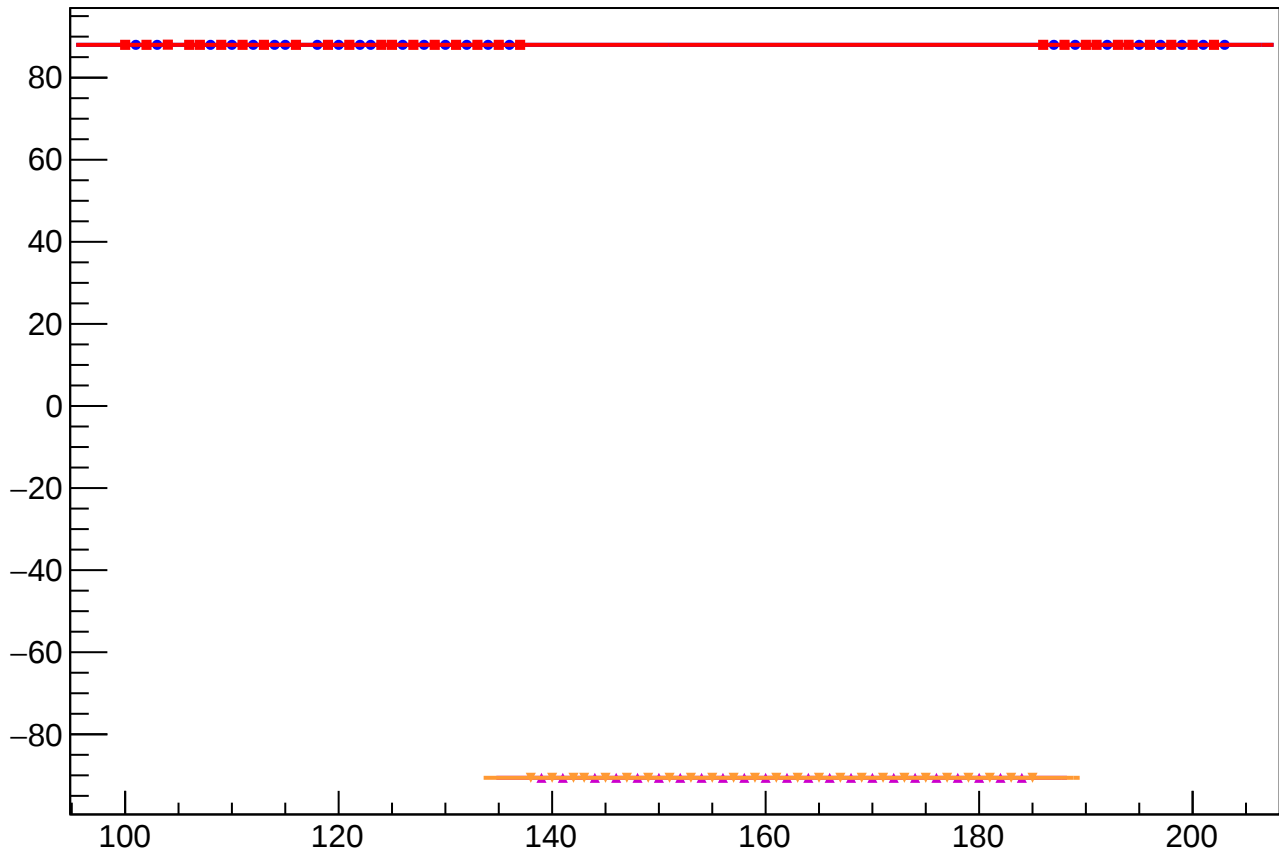
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:878356.2/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3736849.2/49

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7748767.8/101

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3987325.5/51

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 3643149.0/24

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 80360659199229512924285370368.0/28

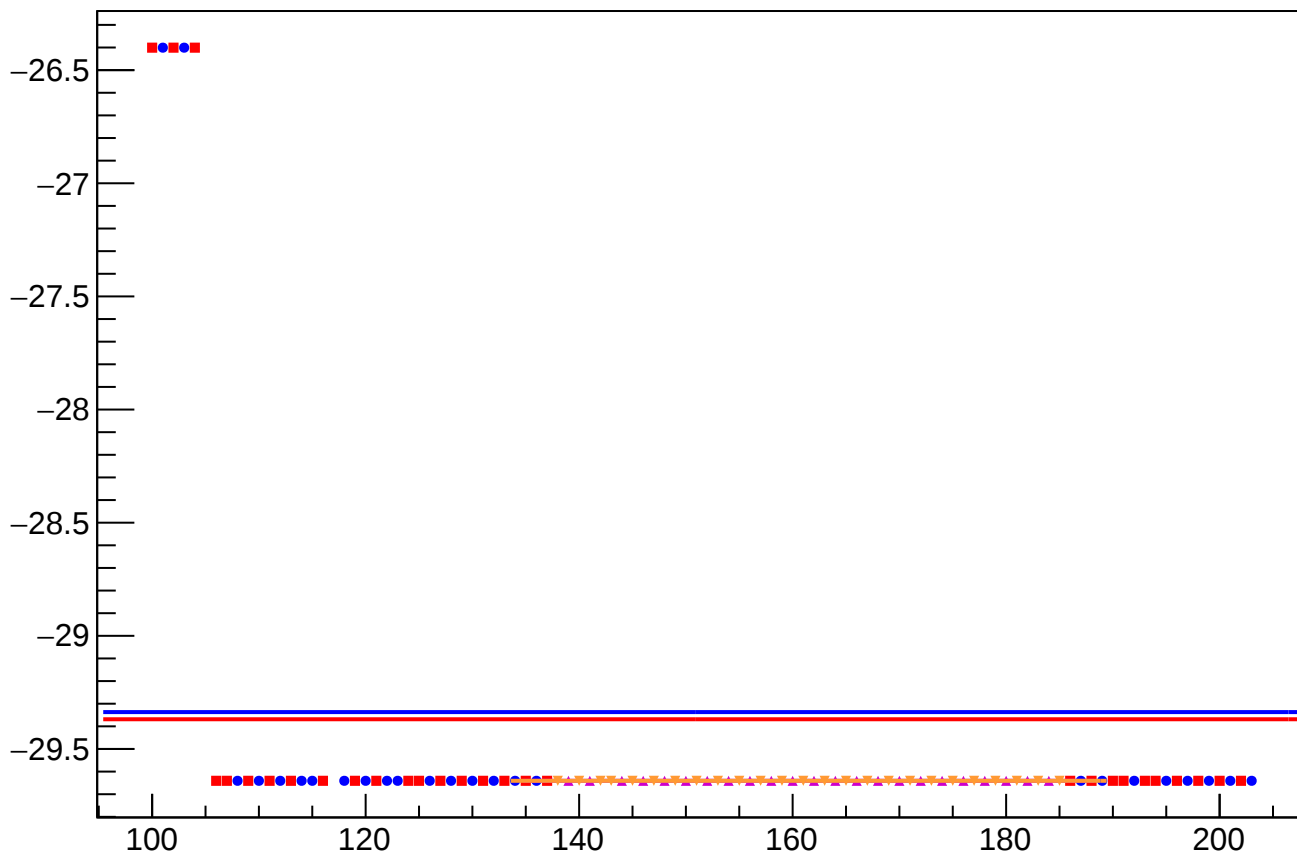
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -19.532 $\pm$ 0.000 χ^2 /NDF: 241794904469658

All: -16.225 $\pm$ 0.000 χ^2 /NDF: 491618205420

- sign -12.932 $\pm$ 0.000 χ^2 /NDF: 2491326527042247

epics_HWienAngles_mean vs Slug



Right In: -29.337+/-0.000 χ^2/NDF : 1122617846544874204334803109543936.0/24

Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24

Right Out: -29.369+/-0.000 χ^2/NDF : 1115510525036170623824352082132992.0/28

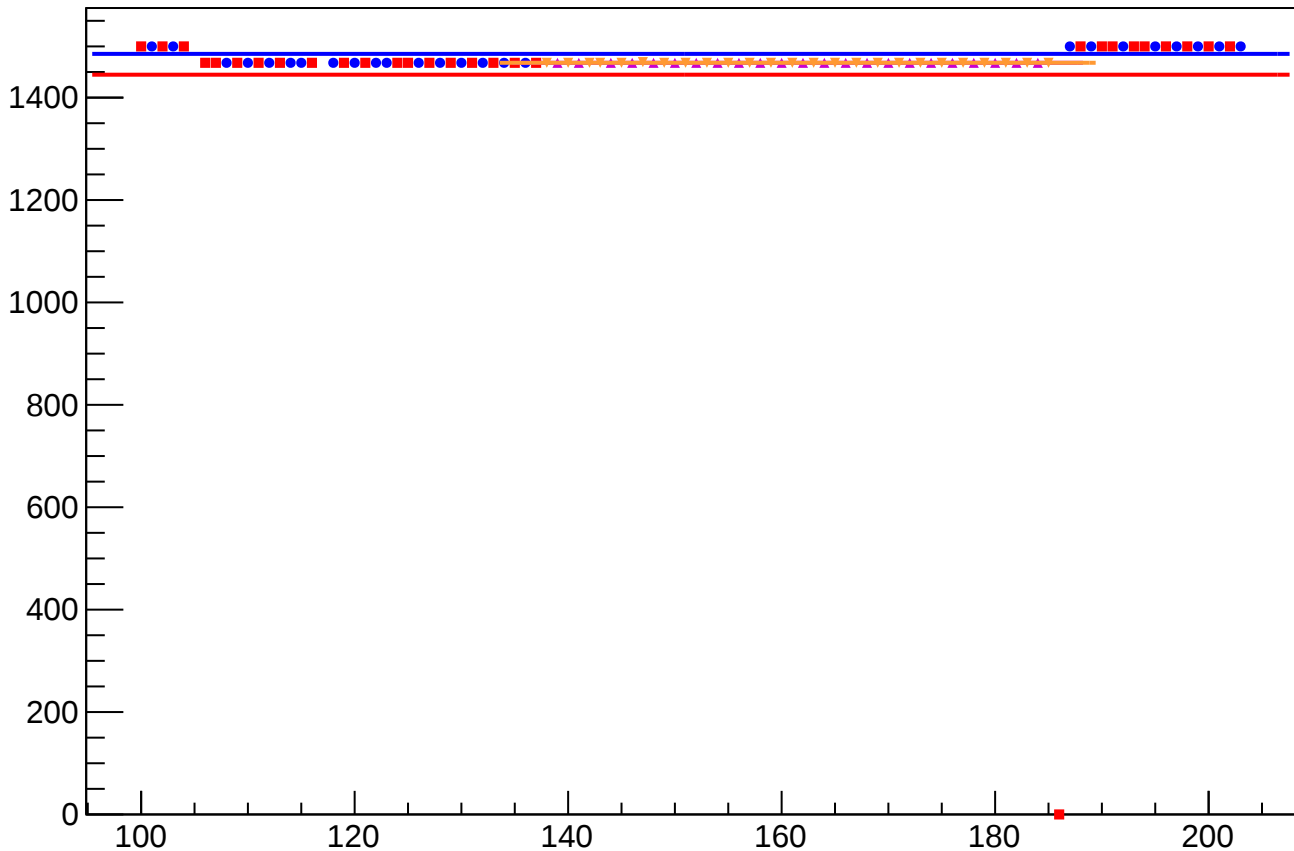
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.520+/-0.000 χ^2/NDF : 119251939721869

All: -29.521+/-0.000 χ^2/NDF : 236580349214

- sign -29.522+/-0.000 χ^2/NDF : 1173273612083046

epics_psub_pl_poss_mean vs Slug



Right In: 1485.427+/-0.000 χ^2/NDF : 320135479729198739428803677731684352.0/24

Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24

Right Out: 1444.761+/-0.000 χ^2/NDF : 81901340097495099494703597147306065920.0/28

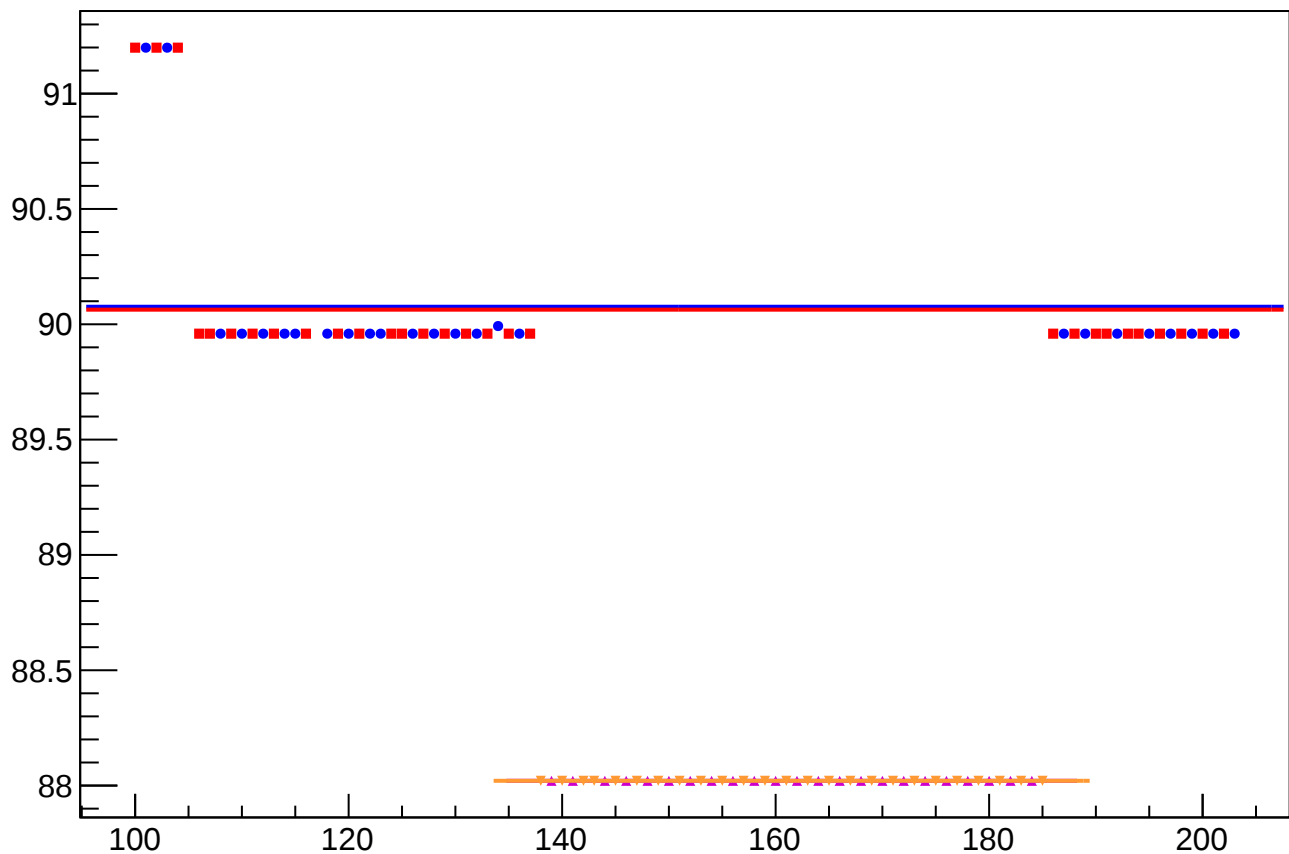
Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22

+ sign 1474.963+/-0.000 χ^2/NDF : 54921295264660

All: 1466.408+/-0.000 χ^2/NDF : 83334218233

- sign 1457.891+/-0.000 χ^2/NDF : 82322883740372

epics_Phi_FGs_mean vs Slug



Right In: 90.076+/-0.000 χ^2/NDF : 164292838619764038862240609206272.0/24

Left Out: 88.021+/-0.000 χ^2/NDF : 5679798.5/24

Right Out: 90.063+/-0.000 χ^2/NDF : 163390582923339723894831087353856.0/28

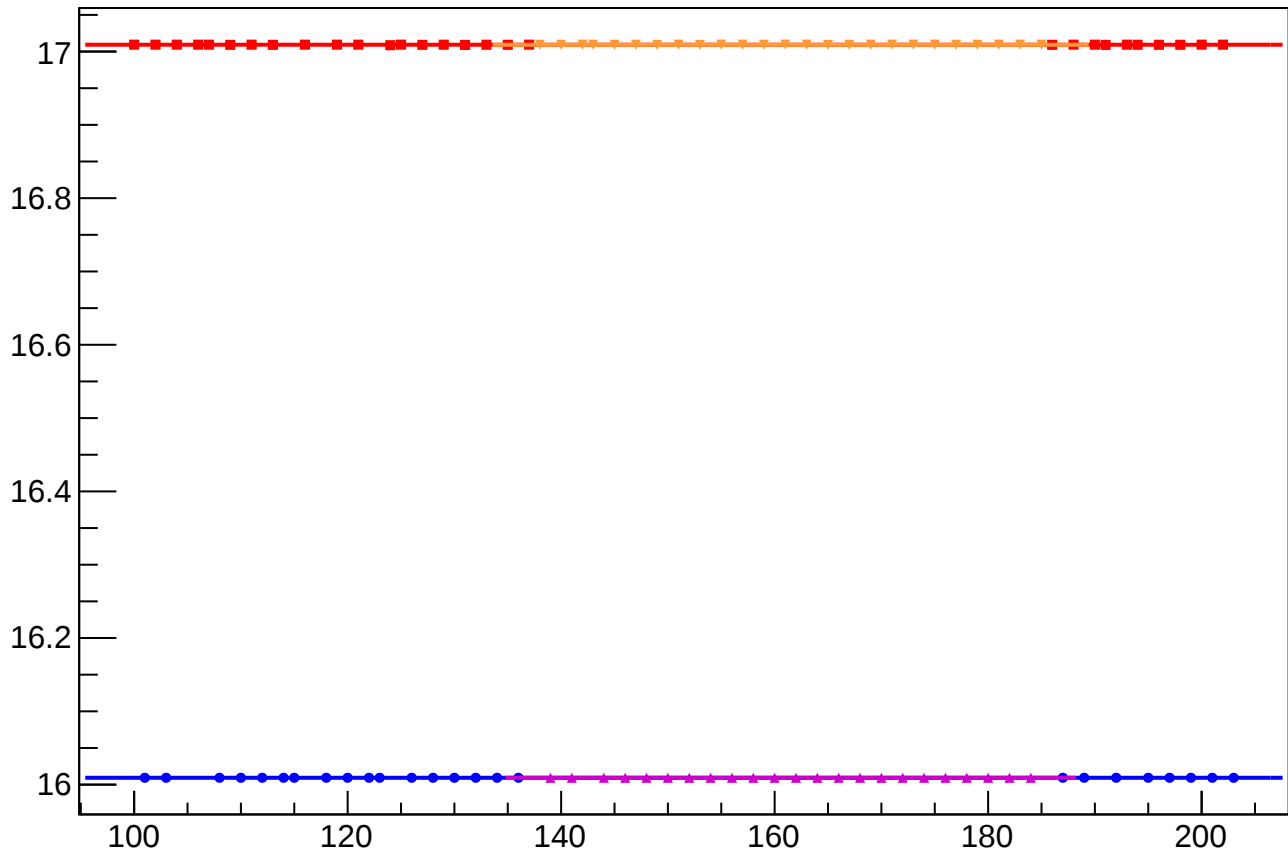
Left In: 88.021+/-0.000 χ^2/NDF : 6257169.0/22

+ sign 88.839+/-0.000 χ^2/NDF : 3366591414581428

All: 88.874+/-0.000 χ^2/NDF : 6796655657115

- sign 88.909+/-0.000 χ^2/NDF : 3422199840416959

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 112604327079546359644160.0/24

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 17589048934529243216347136.0/28

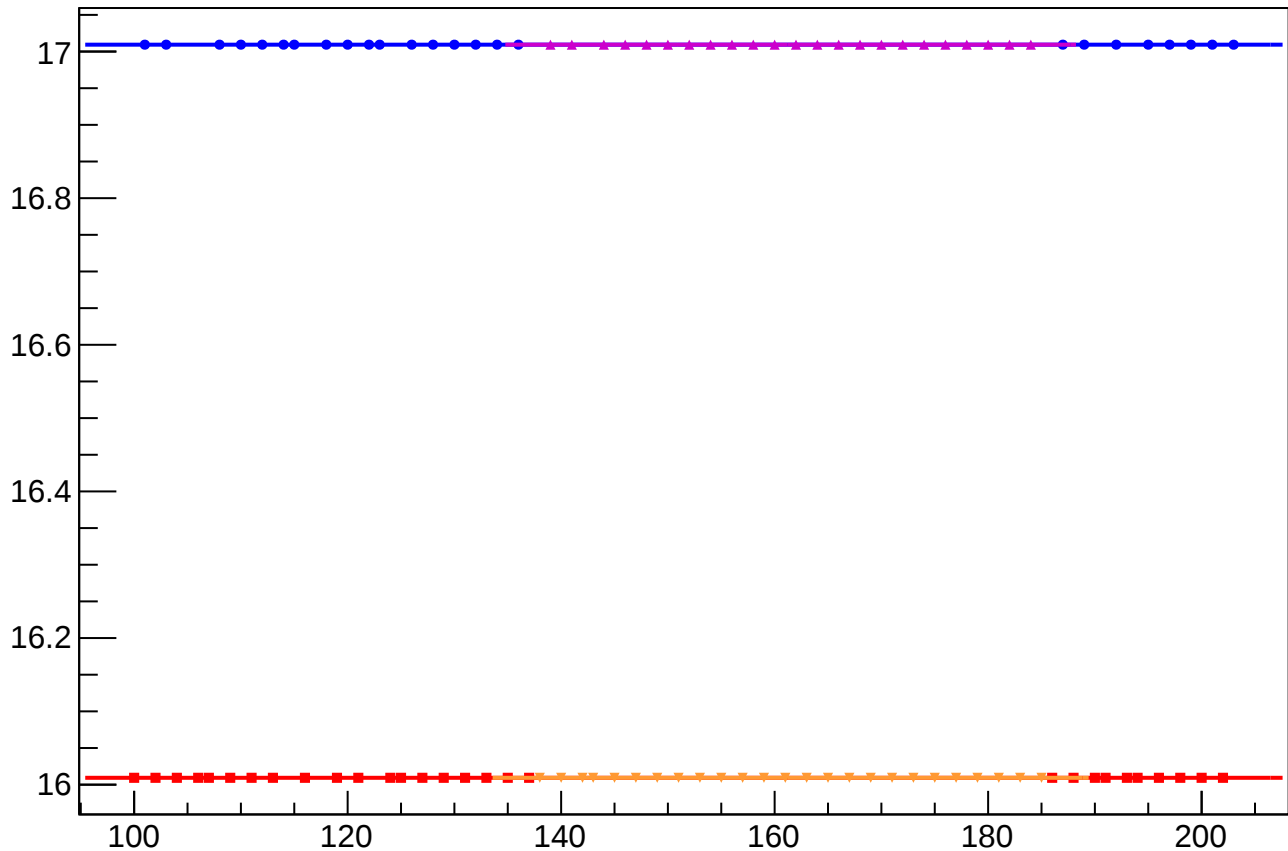
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.600 $\pm$ 0.000 χ^2 /NDF: 7244997342908036

All: 16.525 $\pm$ 0.000 χ^2 /NDF: 1493202302898

- sign 16.450 $\pm$ 0.000 χ^2 /NDF: 7351854505614751

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 112604327125149651304448.0/24

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 262406.7/28

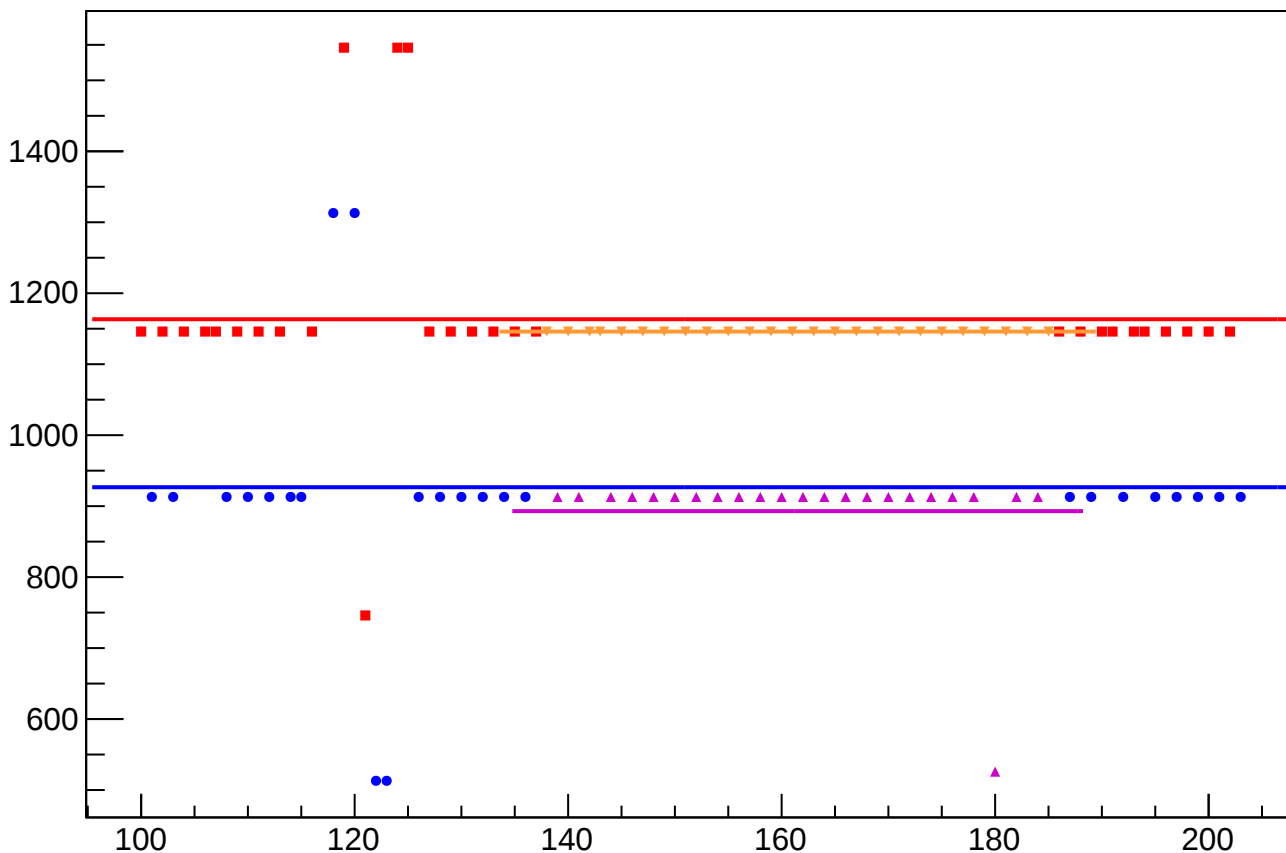
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.404+/-0.000 χ^2/NDF : 7425917773857392

All: 16.487+/-0.000 χ^2/NDF : 1555394177328

- sign 16.570+/-0.000 χ^2/NDF : 7701907890649254

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 926.657+/-0.000 χ^2/NDF : 21046354620191125675225052276693401600.0/24

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1163.376+/-0.000 χ^2/NDF : 21663927039868818713388204503632707584.0/28

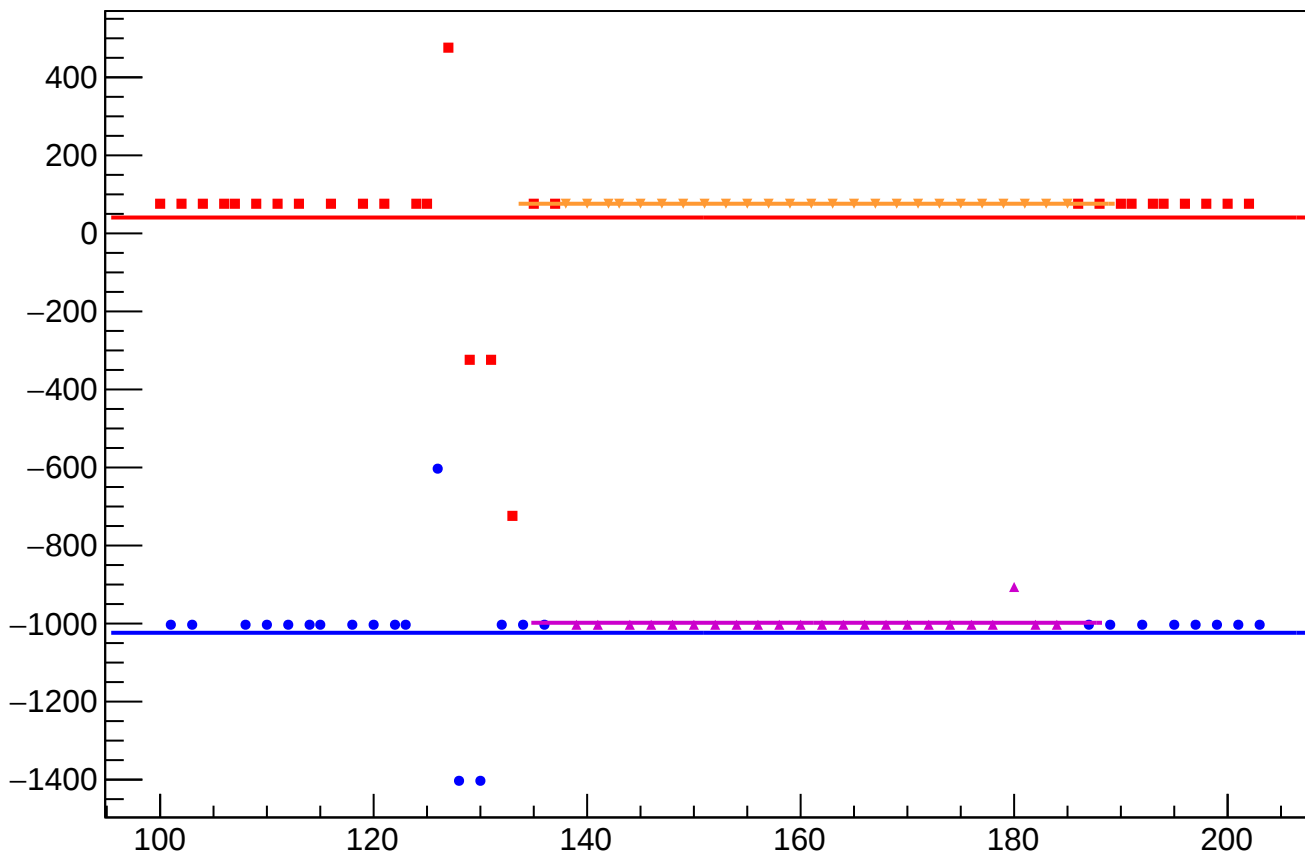
Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1034.585+/-0.000 χ^2/NDF : 15319348839

+ sign 1058.727+/-0.000 χ^2/NDF : 57519759382752

- sign 1010.549+/-0.000 χ^2/NDF : 91993615792666

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1023.641+/-0.000 χ^2/NDF : 22662714308933685512270445050274512896.0/24

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24 + sign -361.556+/-0.000 χ^2/NDF : 93929384239045

Right Out: 40.699+/-0.000 χ^2/NDF : 45316550801841017130688975958574104576.0/28 All: -454.129+/-0.000 χ^2/NDF : 18821480126

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22 - sign -546.294+/-0.000 χ^2/NDF : 88874403662268