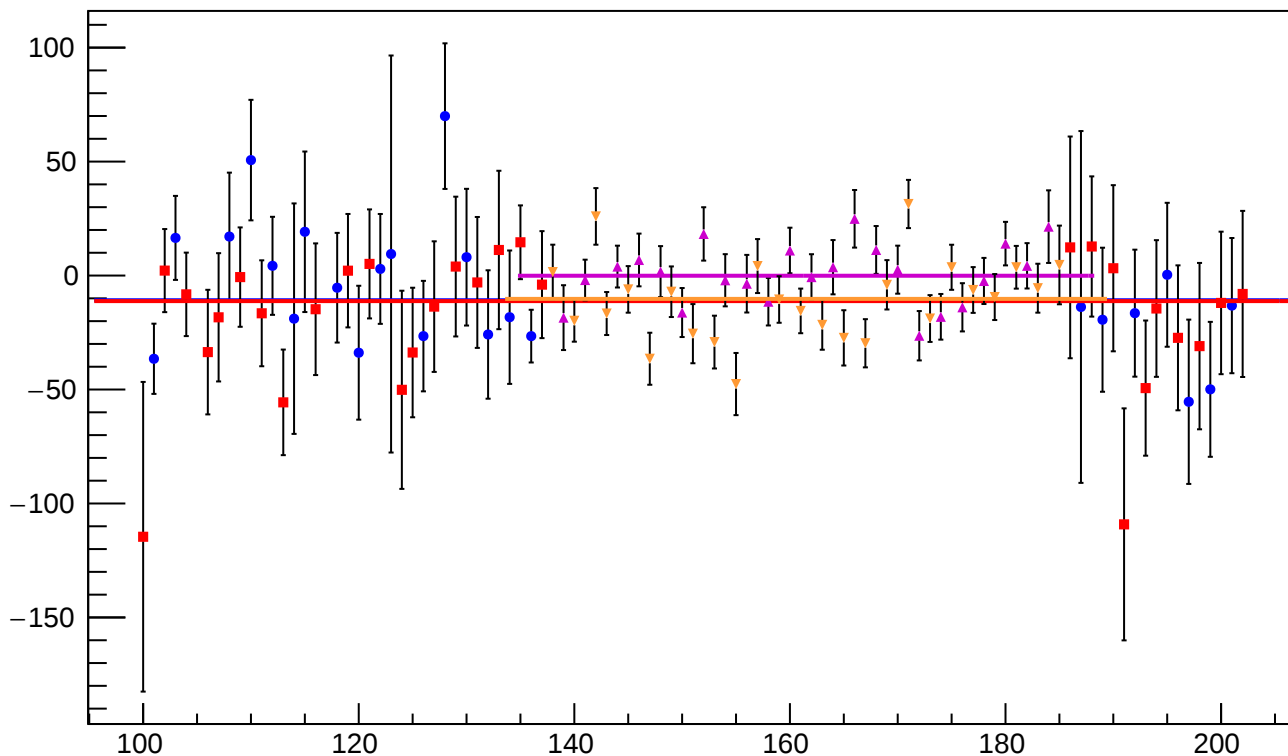


diff_bpm4aX_mean vs Slug



Right In: -10.835 ± 5.118

χ^2/NDF : 26.6/23

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 -10.329 ± 1.998

χ^2/NDF : 84.7/48

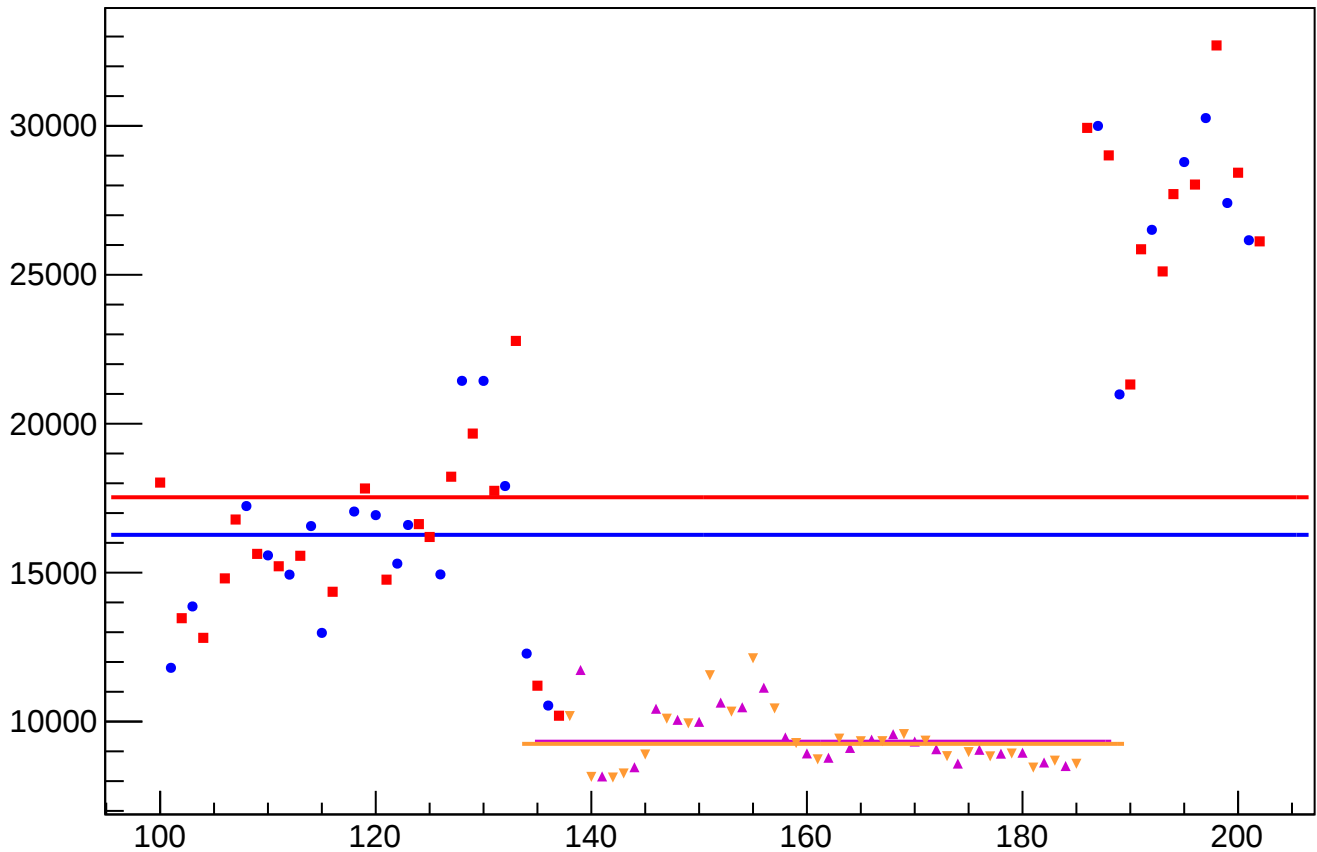
All: -6.247 ± 1.433

χ^2/NDF : 147.4/100

- sign -1.928 ± 2.055

χ^2/NDF : 54.0/51

diff_bpm4aX_rms vs Slug



Right In: 16268.907 $\pm$ 3.619 χ^2 /NDF: 2390558.0/23

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

+ sign 10321.231 $\pm$ 1.413 χ^2 /NDF: 5909440.8/48

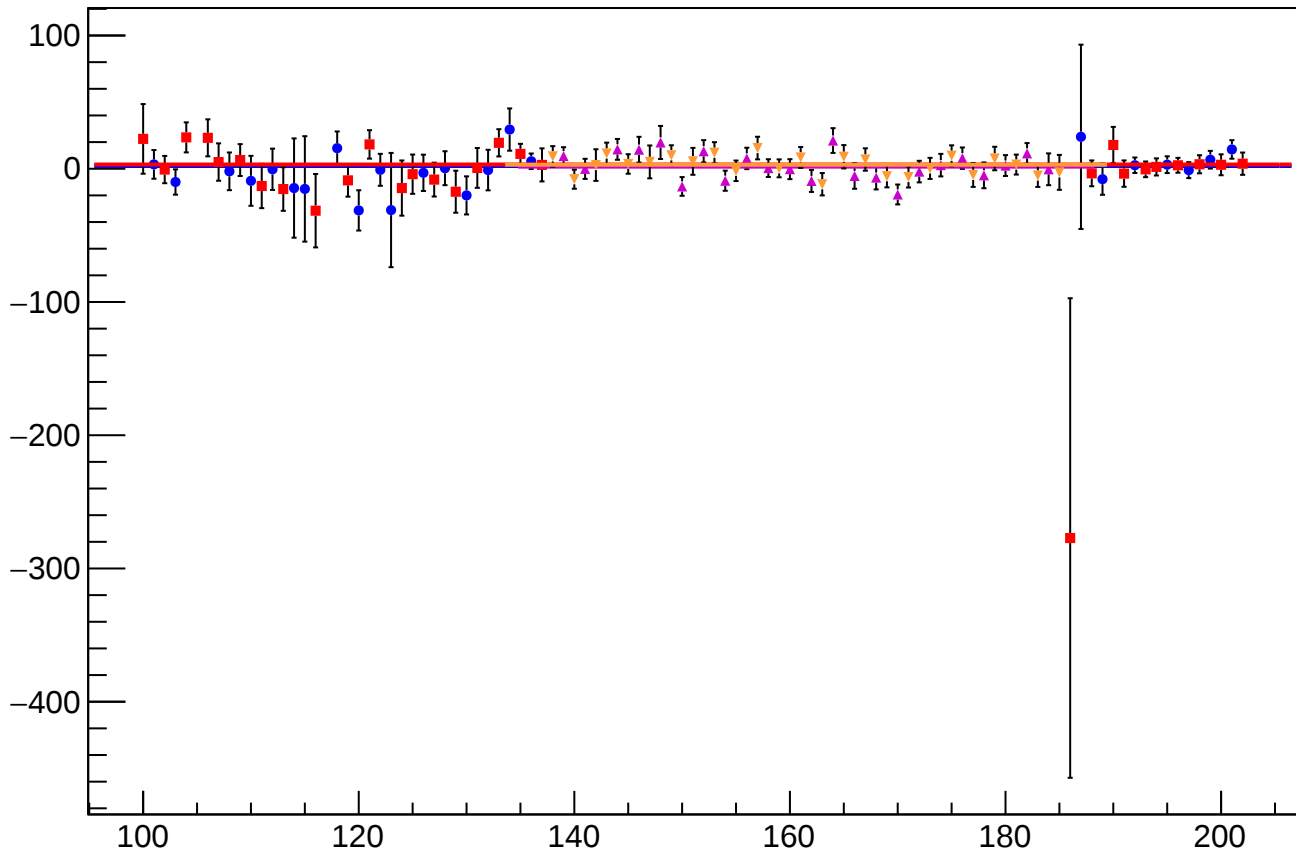
Right Out: 17530.756 $\pm$ 3.567 χ^2 /NDF: 2679699.0/28

All: 10498.650 $\pm$ 1.013 χ^2 /NDF: 13312328.6

- sign 10686.379 $\pm$ 1.453 χ^2 /NDF: 7370431.7/51

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

diff_bpm4aY_mean vs Slug



Right In: 2.068 $\pm$ 2.046 χ^2 /NDF: 19.8/23

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

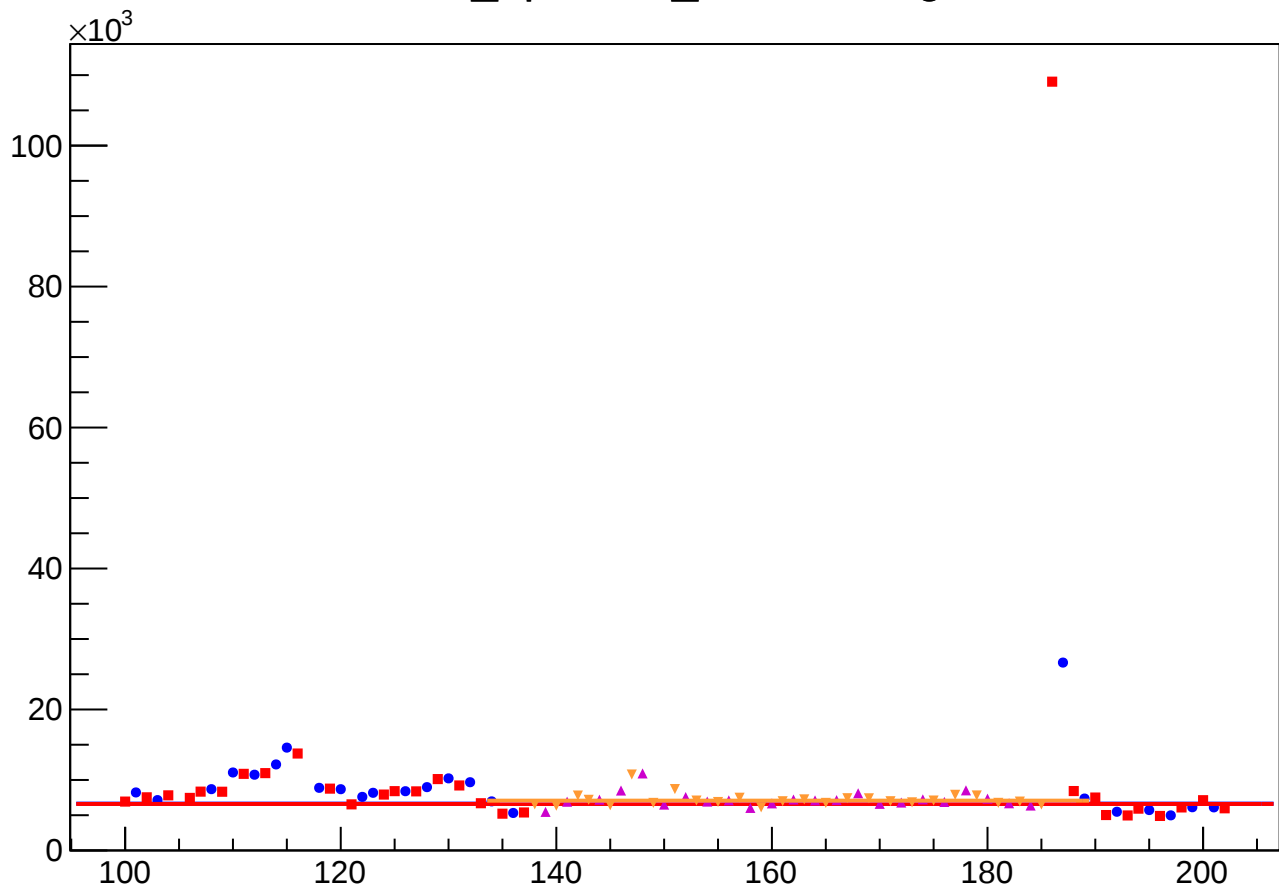
Left In: 1.588 $\pm$ 1.703 χ^2 /NDF:35.5/22

+ sign 2.646 $\pm$ 1.289 χ^2 /NDF: 38.6/48

All: 2.469 $\pm$ 0.903 χ^2 /NDF: 99.5/100

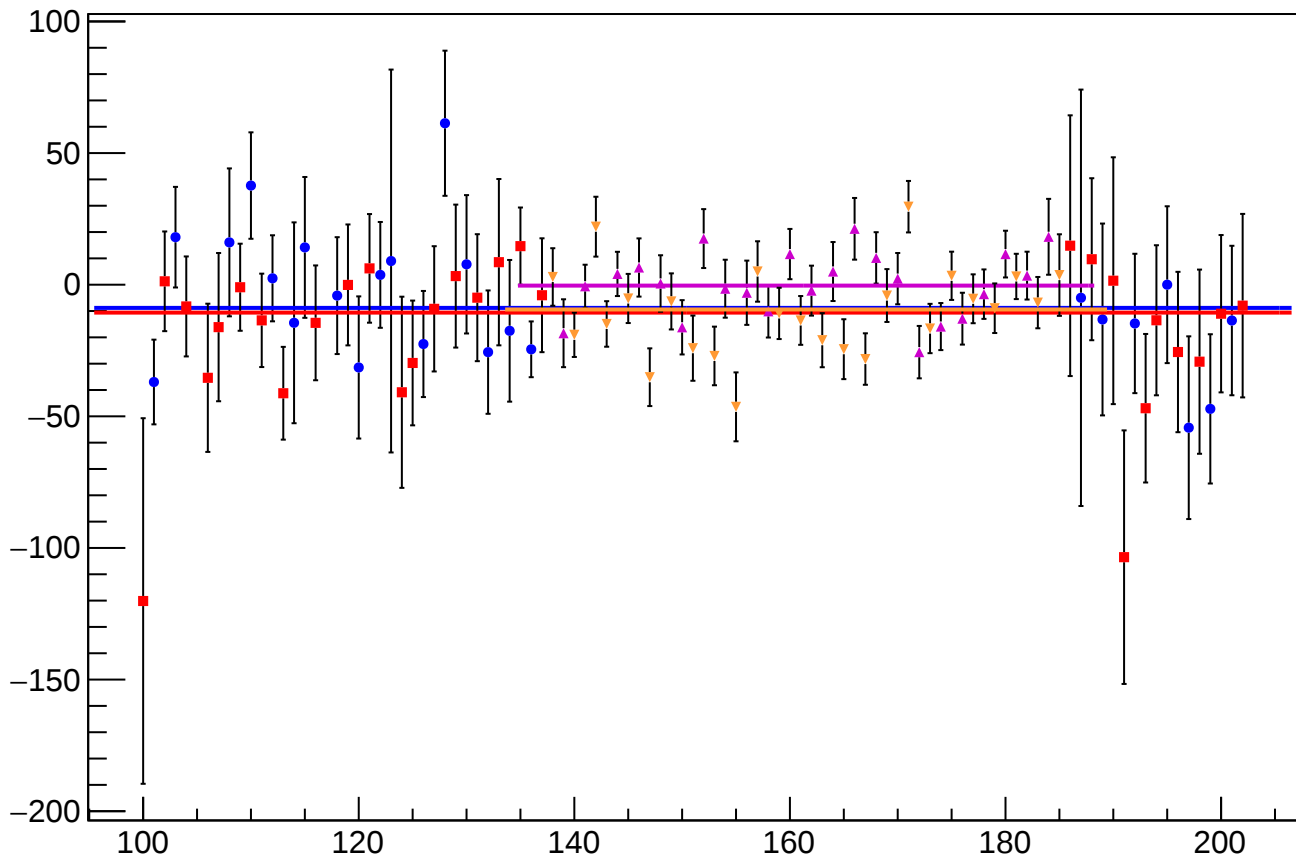
- sign 2.298 $\pm$ 1.266 χ^2 /NDF: 60.9/51

diff_bpm4aY_rms vs Slug



Right In: 6640.484 ± 1.446 $\chi^2/\text{NDF}: 1467395.4/23$ + sign 6896.049 ± 0.912 $\chi^2/\text{NDF}: 1905996.4/48$
 Left Out: 7064.457 ± 1.174 $\chi^2/\text{NDF}: 386814.9/24$ All: 6861.123 ± 0.639 $\chi^2/\text{NDF}: 4581026.2/10$
 Right Out: 6596.456 ± 1.338 $\chi^2/\text{NDF}: 2092859.6/28$ - sign 6827.470 ± 0.895 $\chi^2/\text{NDF}: 2672147.8/51$
 Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

diff_bpm4eX_mean vs Slug



Right In: -8.807 ± 4.646 χ^2/NDF : 27.4/23

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

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

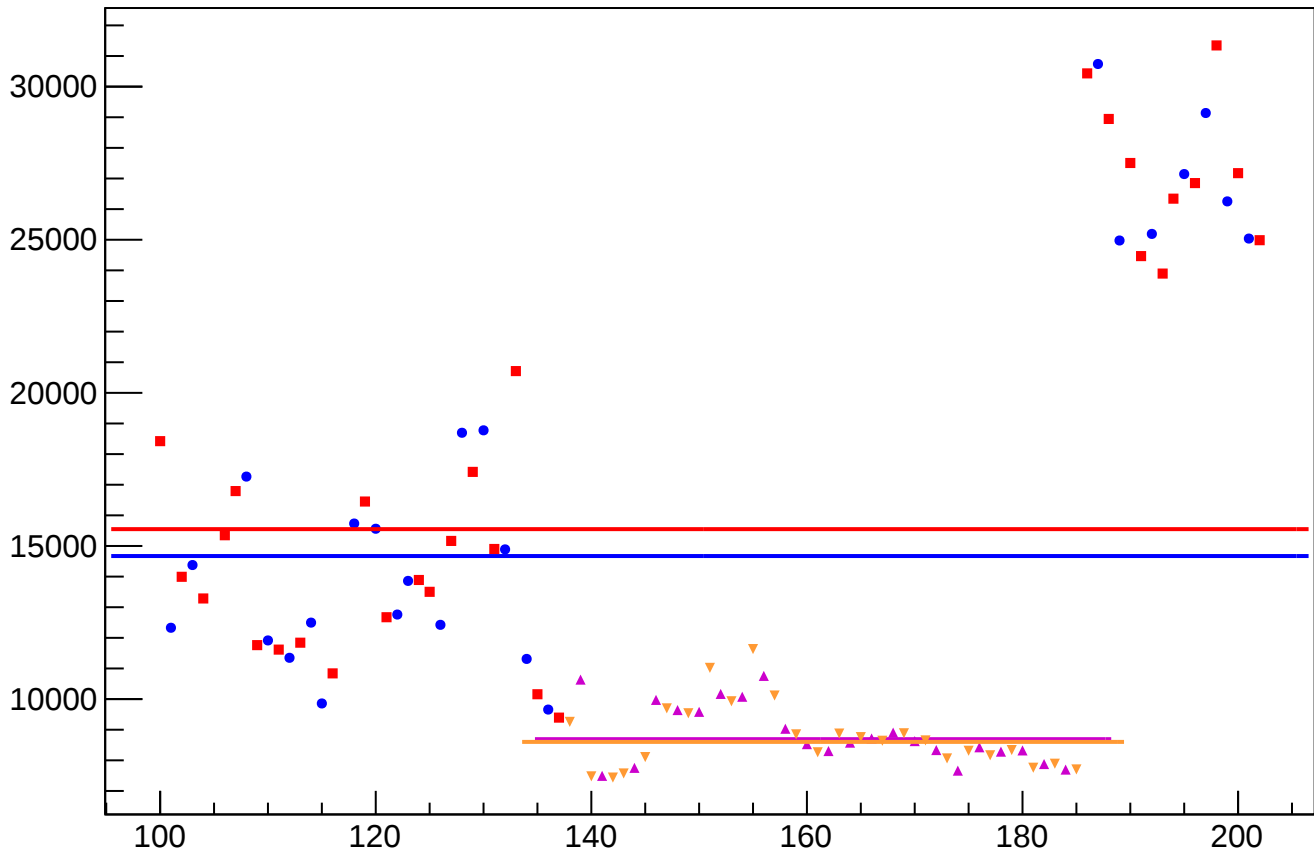
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.315 ± 1.853 χ^2/NDF : 86.2/48

All: -5.835 ± 1.329 χ^2/NDF : 147.4/100

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

diff_bpm4eX_rms vs Slug



Right In: 14671.442+/-3.285 χ^2/NDF : 2728769.2/23

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

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

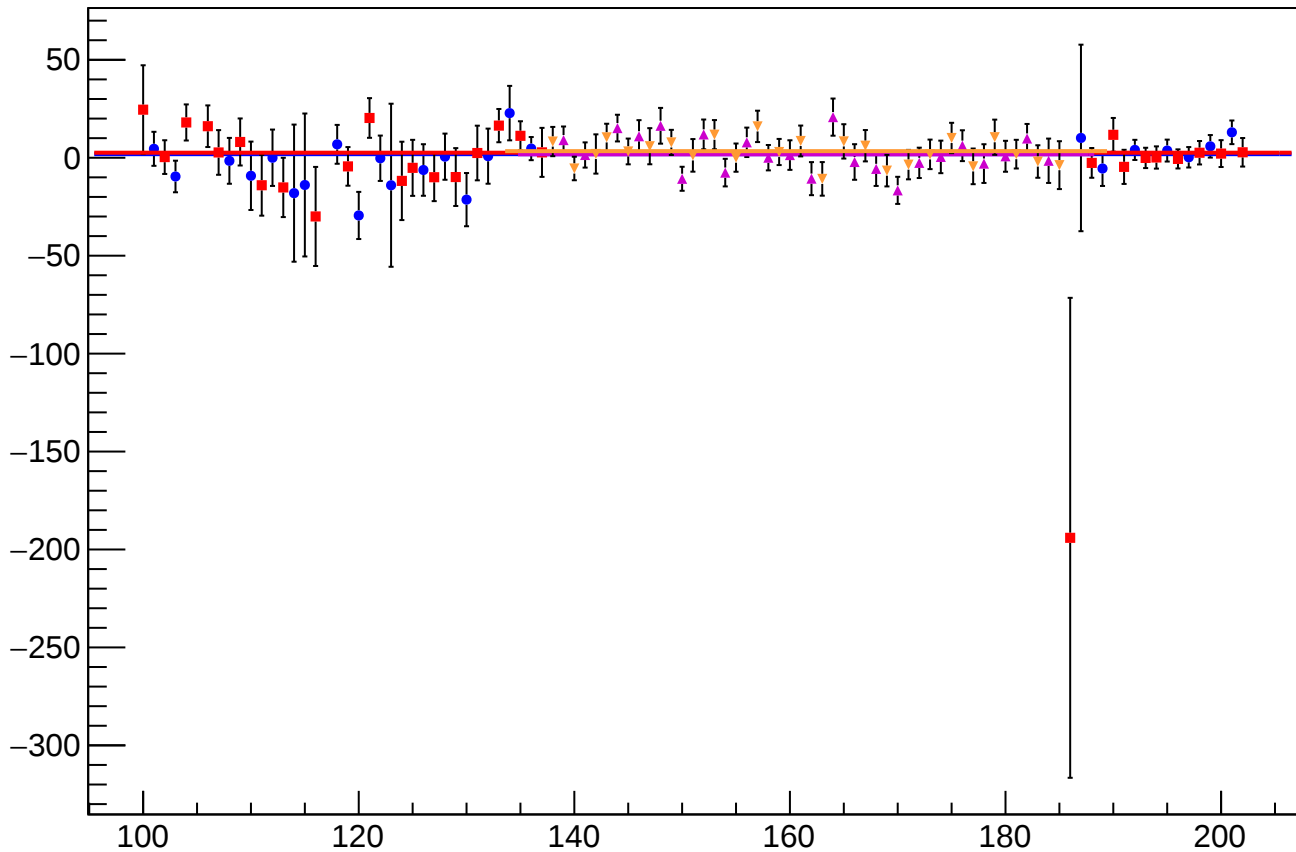
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9567.957+/-1.310 χ^2/NDF : 6037639.4/48

All: 9729.733+/-0.940 χ^2/NDF : 13539863.9/51

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

diff_bpm4eY_mean vs Slug



Right In: 1.828 ± 1.810 χ^2/NDF : 21.1/23

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

Right Out: 2.580 ± 1.655 χ^2/NDF : 25.7/28

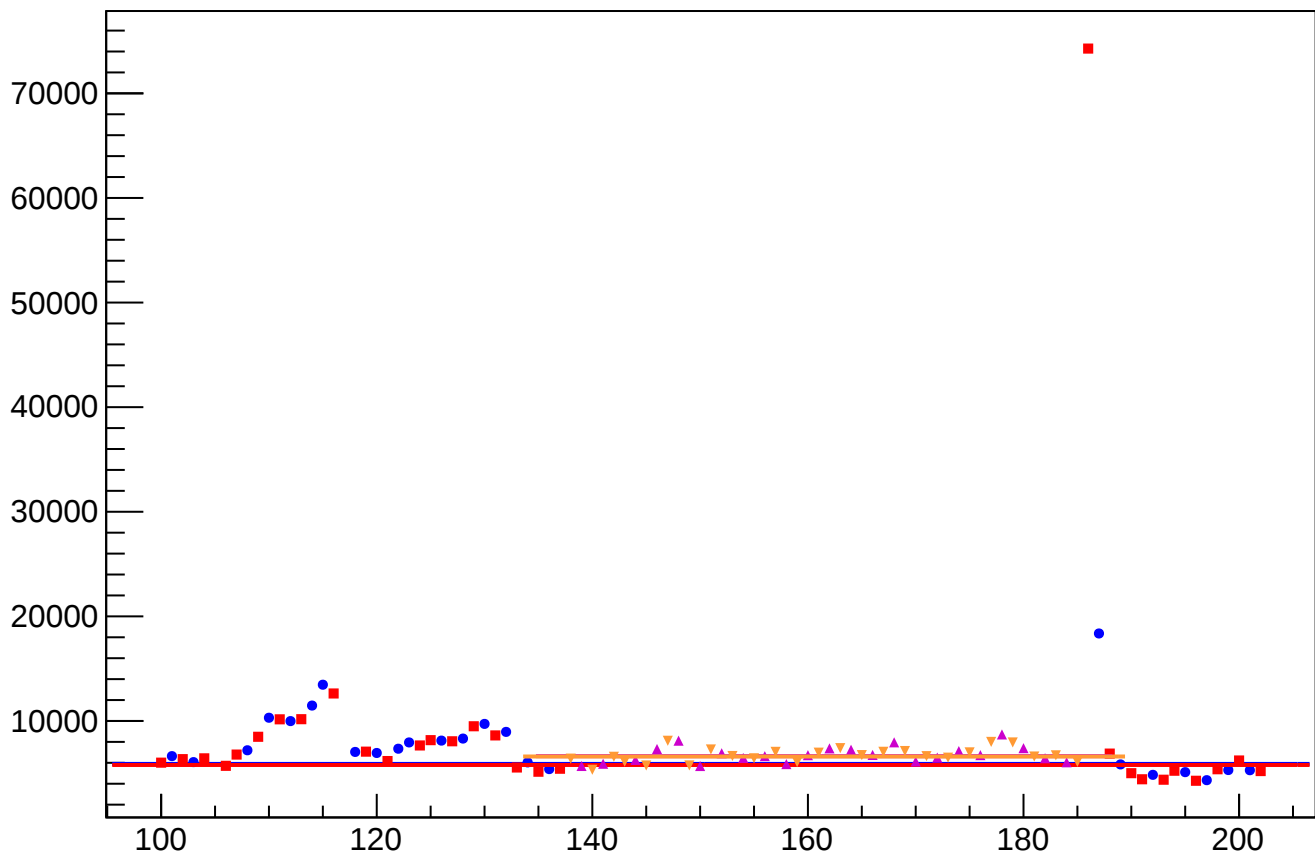
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.719 ± 1.178 χ^2/NDF : 38.7/48

All: 2.431 ± 0.824 χ^2/NDF : 98.2/100

- sign 2.156 ± 1.153 χ^2/NDF : 59.3/51

diff_bpm4eY_rms vs Slug



Right In: 5893.028+/-1.280 χ^2/NDF : 1431589.2/23

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

Right Out: 5793.334+/-1.170 χ^2/NDF : 2128511.2/28

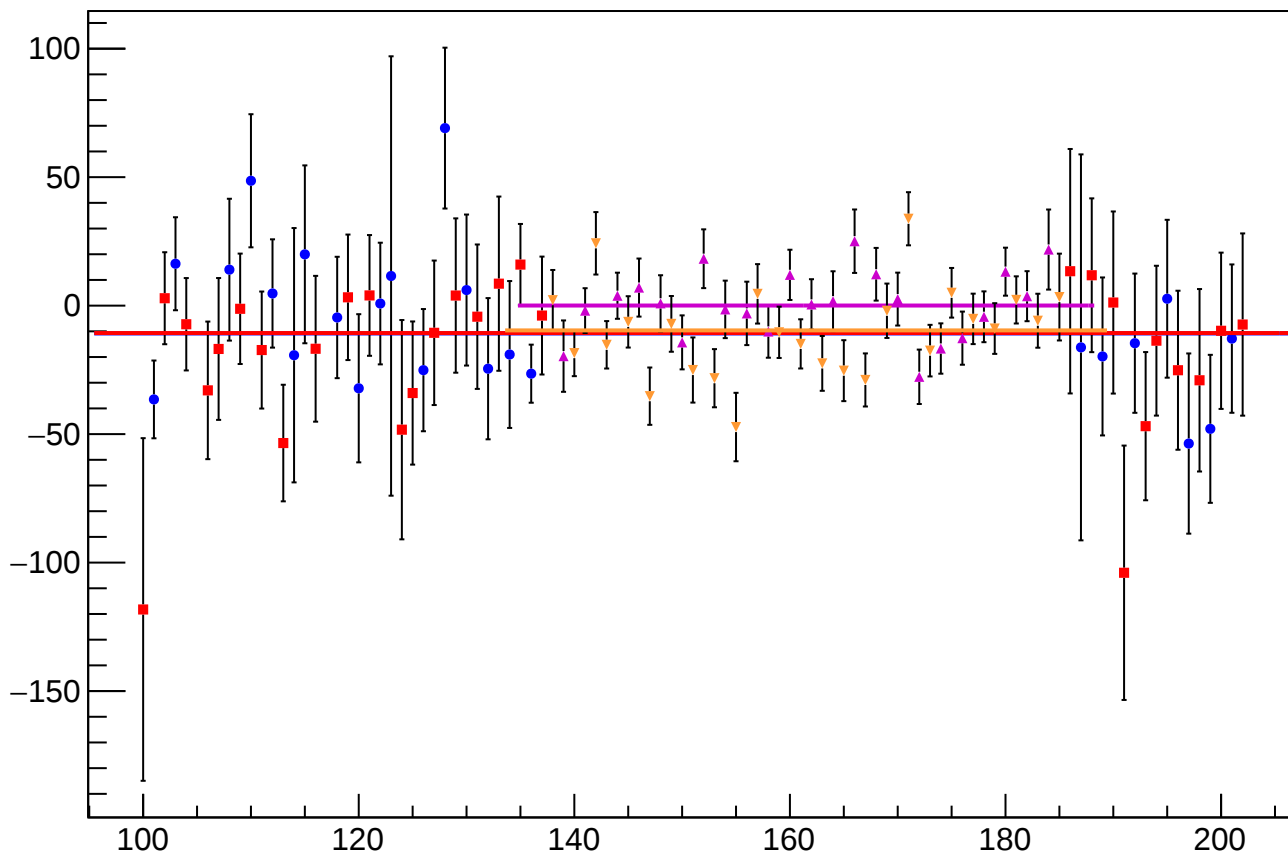
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

+ sign 6302.790+/-0.833 χ^2/NDF : 2004657.7/48

All: 6264.358+/-0.583 χ^2/NDF : 4820554.9/10

- sign 6227.561+/-0.815 χ^2/NDF : 2811731.1/51

diff_bpm4acX_mean vs Slug



Right In: -10.819 ± 5.010 χ^2/NDF : 26.4/23

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

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

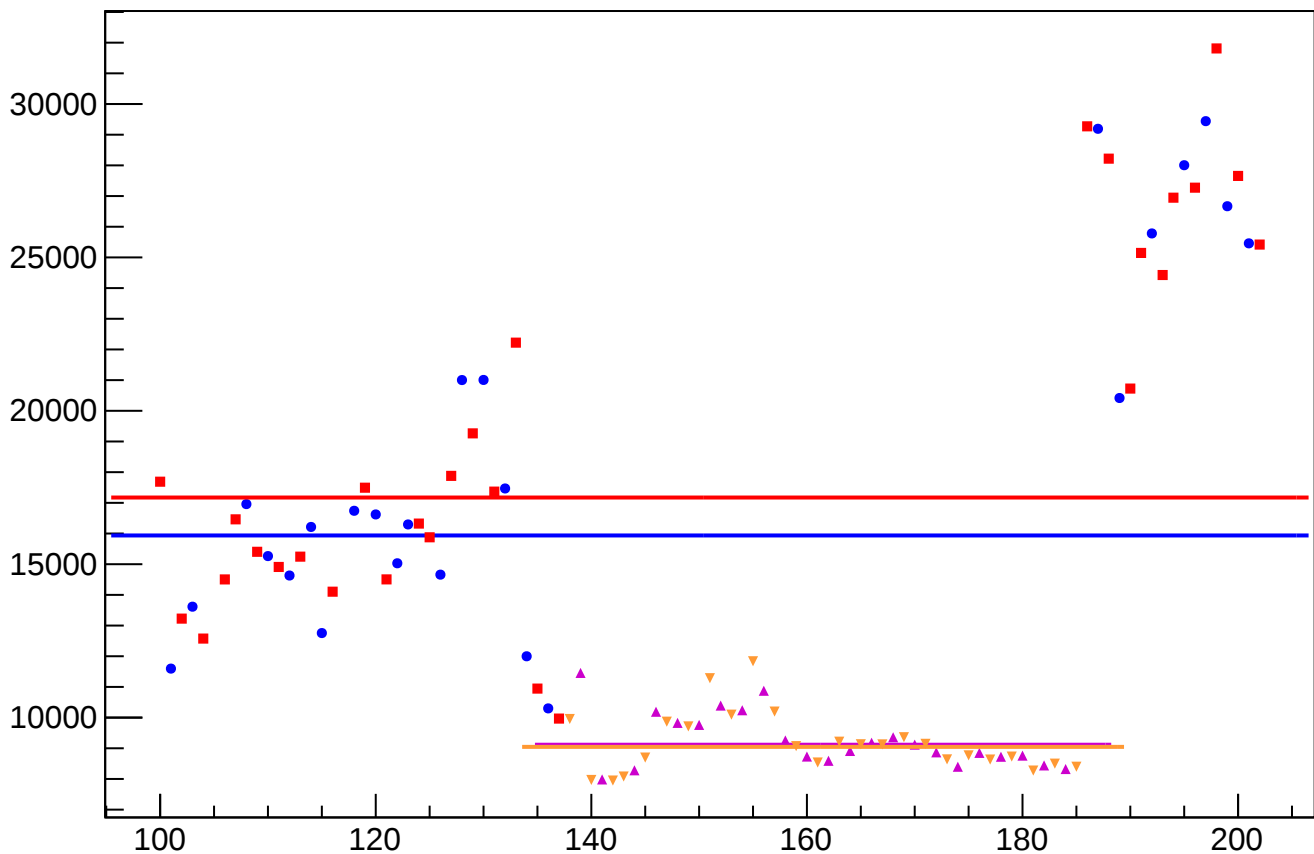
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.819 ± 1.954 χ^2/NDF : 86.4/48

All: -5.890 ± 1.401 χ^2/NDF : 149.5/100

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

diff_bpm4acX_rms vs Slug



Right In: 15936.931+/-3.543 χ^2/NDF : 2361647.7/23

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

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

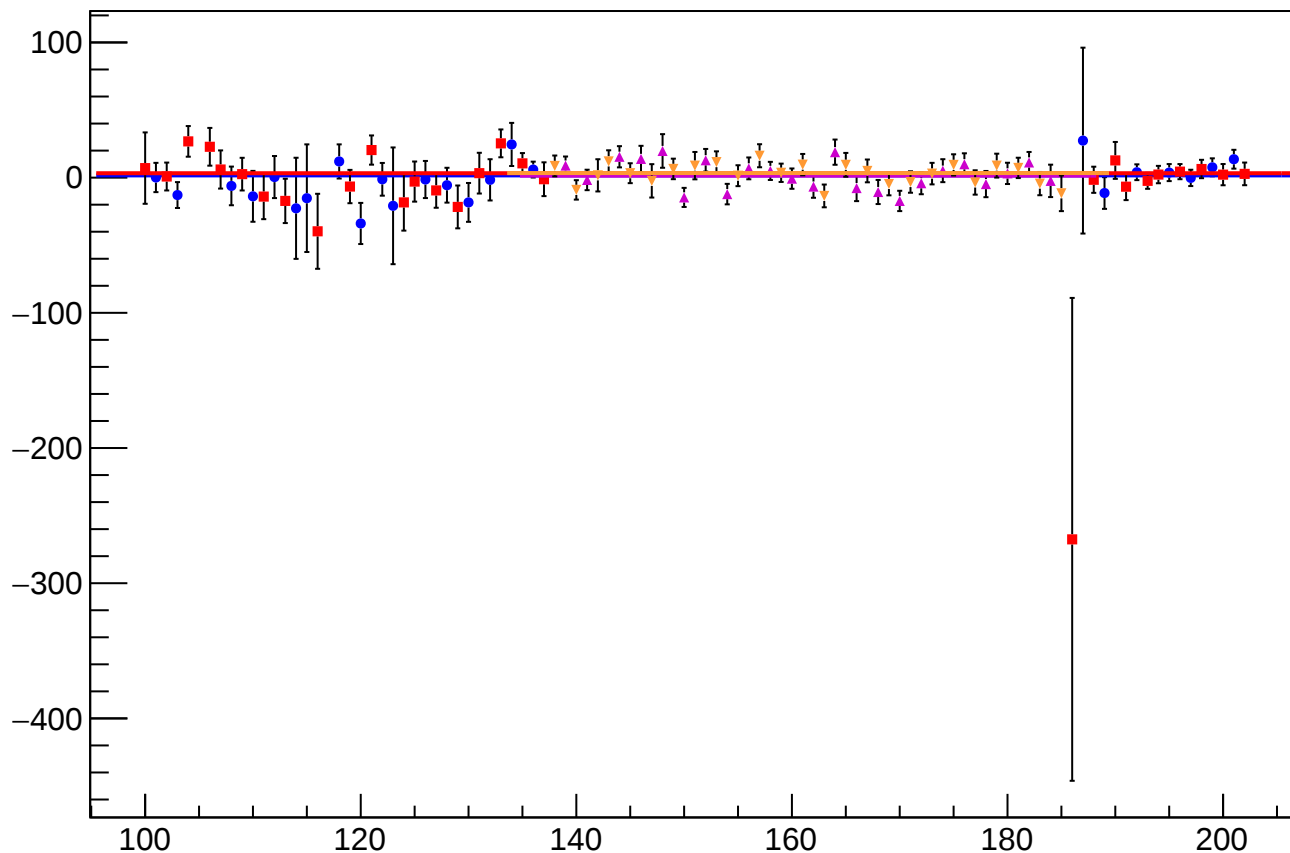
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 10093.831+/-1.382 χ^2/NDF : 5898470.4/48

All: 10267.269+/-0.991 χ^2/NDF : 13286358.7/100

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

diff_bpm4acY_mean vs Slug



Right In: 1.662 ± 2.054 χ^2/NDF : 20.8/23

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

Right Out: 3.266 ± 1.900 χ^2/NDF : 30.2/28

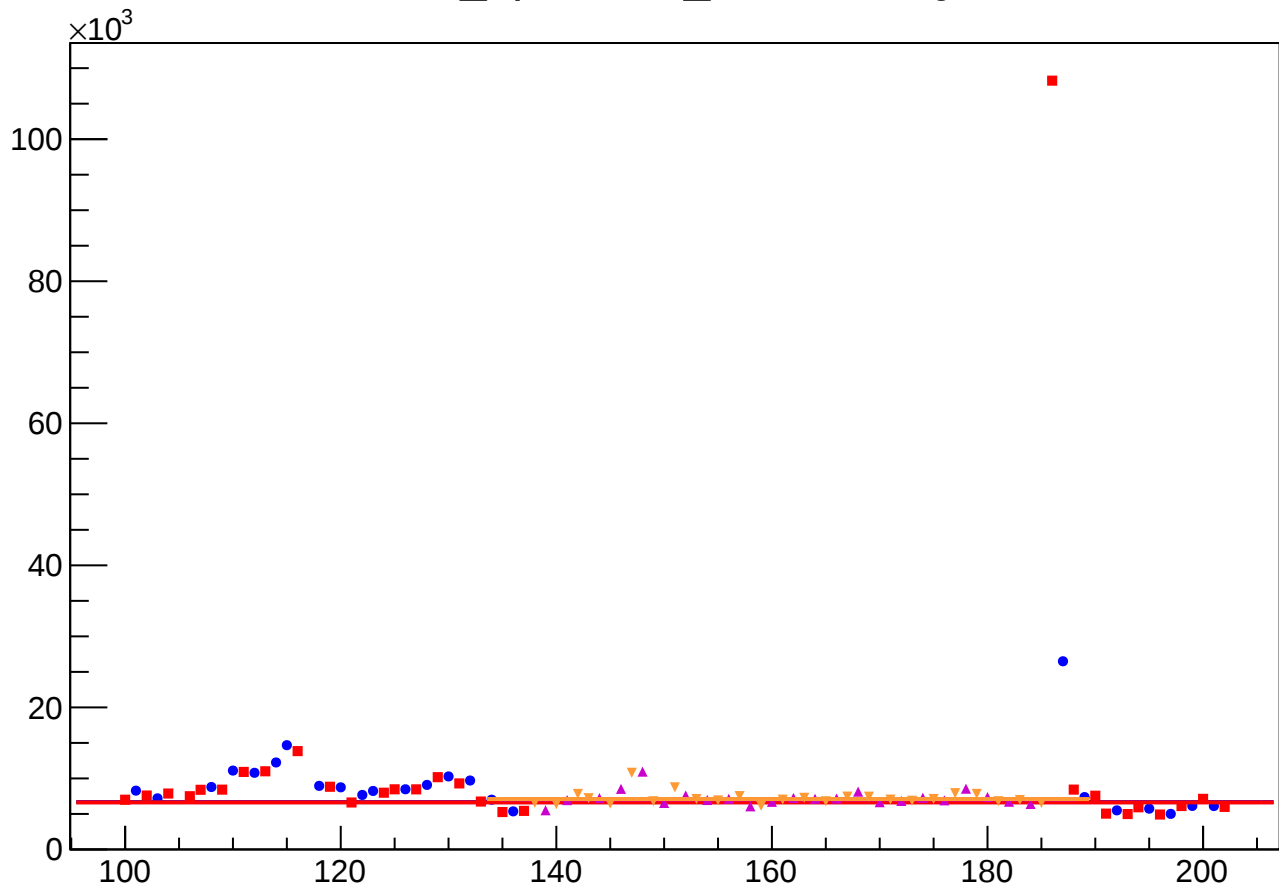
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.702 ± 1.295 χ^2/NDF : 40.6/48

All: 2.486 ± 0.907 χ^2/NDF : 108.1/100

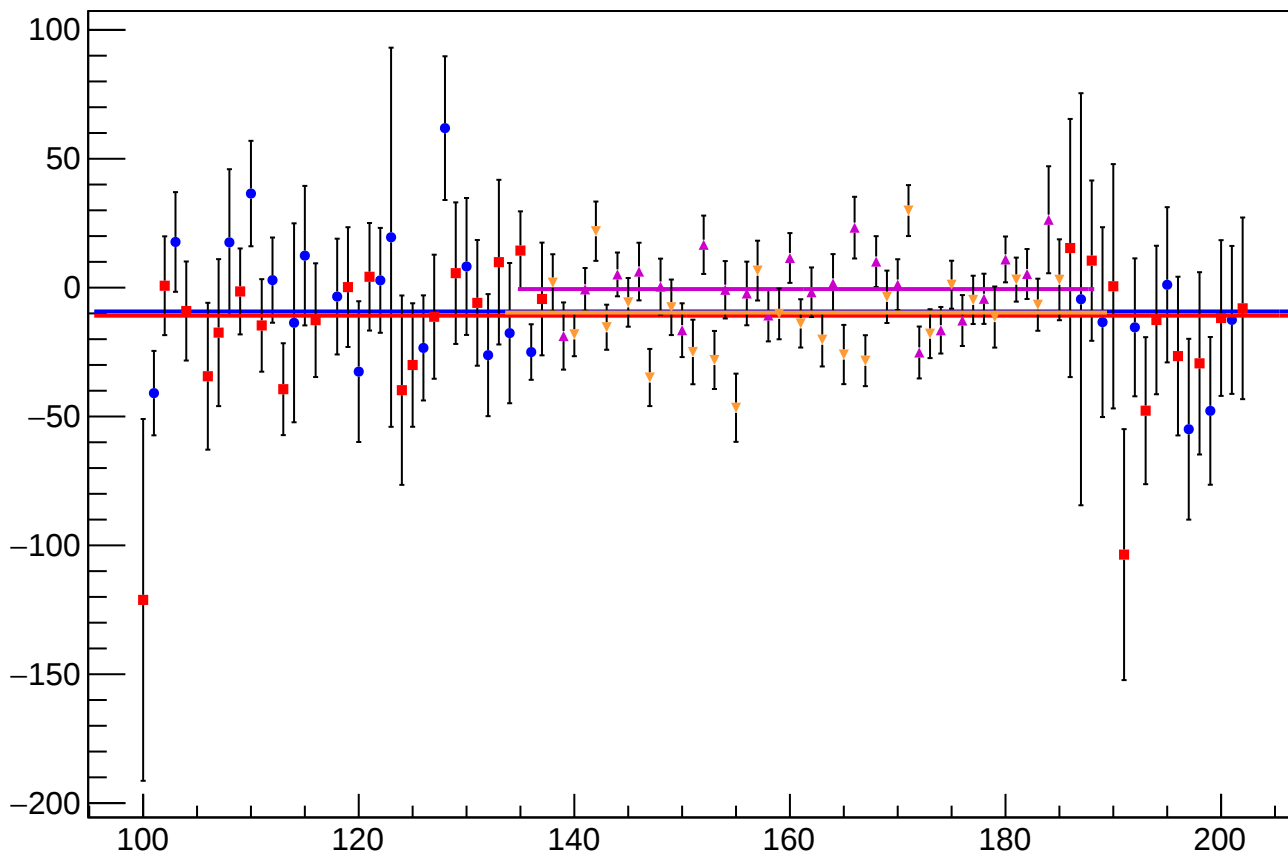
- sign 2.279 ± 1.271 χ^2/NDF : 67.4/51

diff_bpm4acY_rms vs Slug



Right In: 6668.813 ± 1.453 $\chi^2/\text{NDF}: 1475673.1/23$ + sign 6926.515 ± 0.916 $\chi^2/\text{NDF}: 1909821.4/48$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 6892.334 ± 0.641 $\chi^2/\text{NDF}: 4580814.2/10$
 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: -9.248 ± 4.707 χ^2/NDF : 28.0/23

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

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

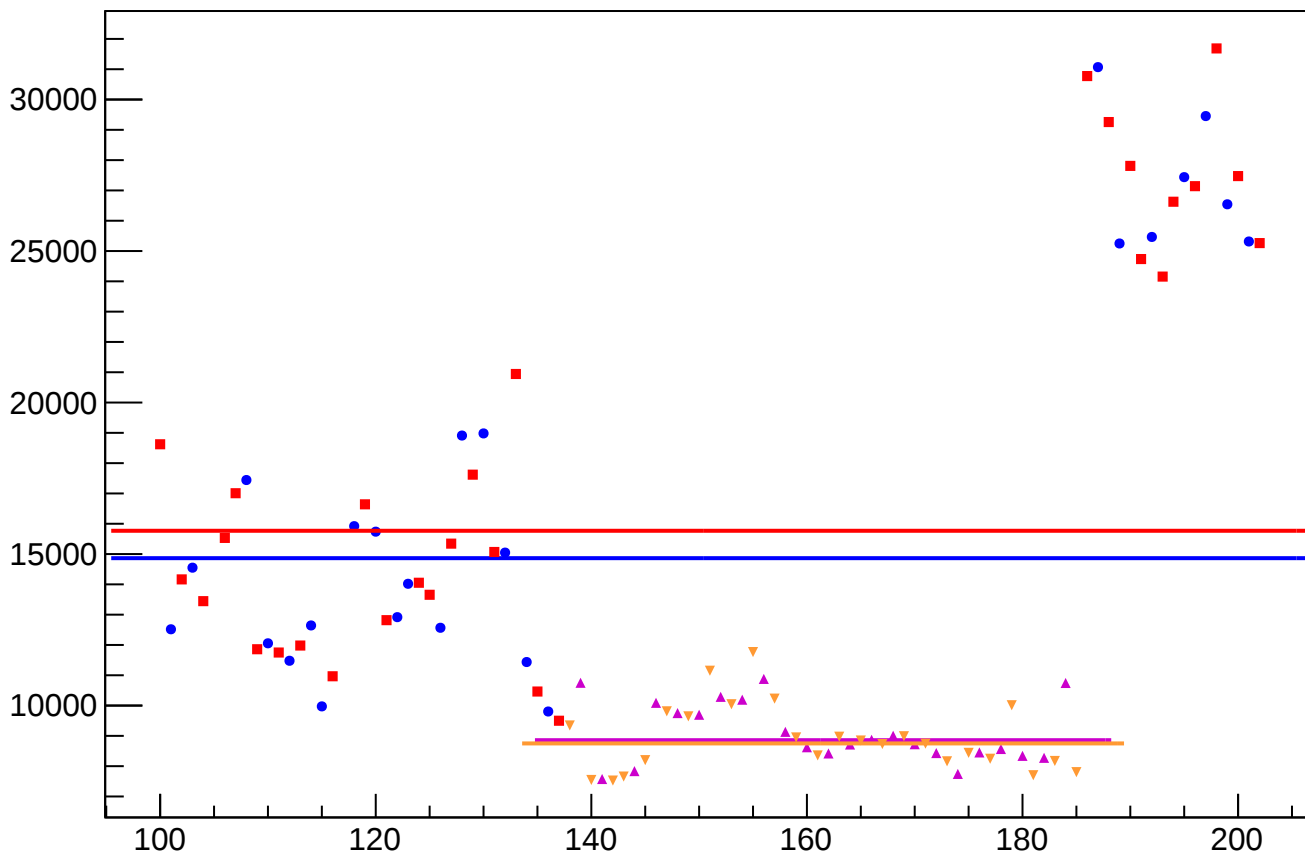
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.602 ± 1.888 χ^2/NDF : 85.9/48

All: -6.108 ± 1.354 χ^2/NDF : 145.6/100

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

diff_bpm4ecX_rms vs Slug



Right In: 14864.367+/-3.328 χ^2/NDF : 2711993.4/23

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

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

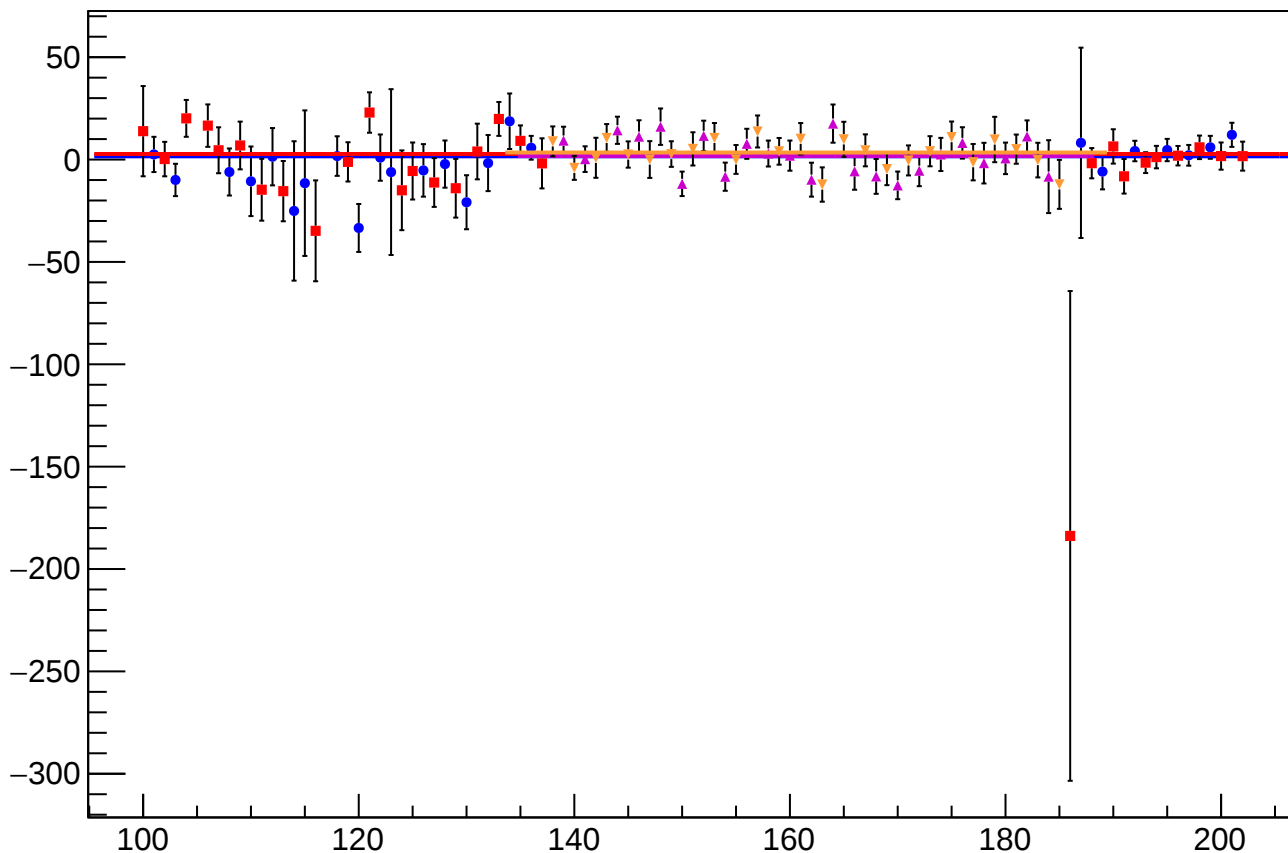
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9733.877+/-1.335 χ^2/NDF : 6007965.4/48

All: 9906.767+/-0.957 χ^2/NDF : 13424545.4/1

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

diff_bpm4ecY_mean vs Slug



Right In: 1.586 $\pm$ 1.766 χ^2 /NDF: 23.4/23

Left Out: 3.433 $\pm$ 1.526 χ^2 /NDF:16.2/24

Right Out: 2.712 $\pm$ 1.613 χ^2 /NDF: 30.4/28

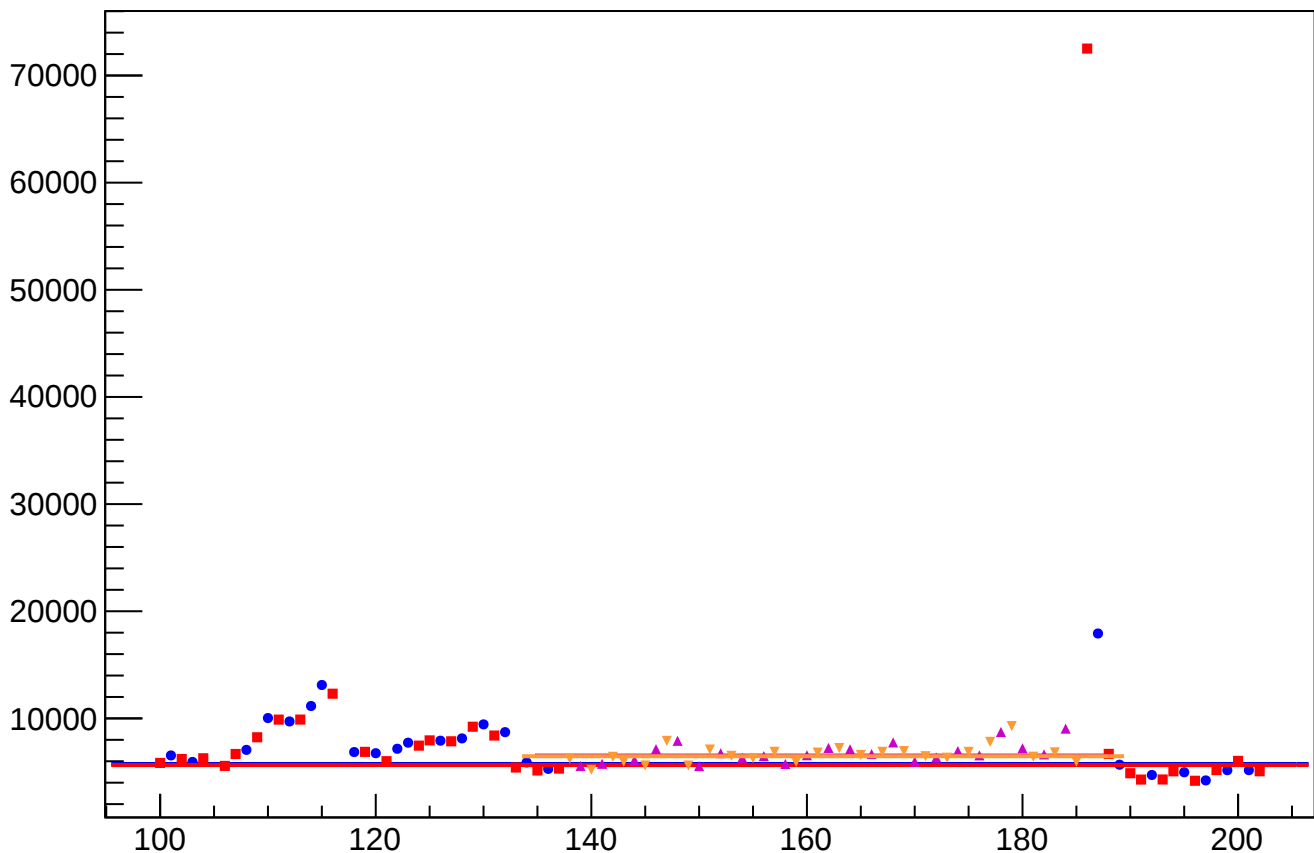
Left In: 1.734 $\pm$ 1.586 χ^2 /NDF:33.6/22

+ sign 2.643 $\pm$ 1.154 χ^2 /NDF: 40.3/48

All: 2.425 $\pm$ 0.808 χ^2 /NDF: 104.6/100

- sign 2.215 $\pm$ 1.131 χ^2 /NDF: 64.2/51

diff_bpm4ecY_rms vs Slug



Right In: 5744.067 ± 1.248 $\chi^2/\text{NDF}: 1439289.5/23$

Left Out: 6468.872 ± 1.079 $\chi^2/\text{NDF}: 487187.3/24$

Right Out: 5645.566 ± 1.141 $\chi^2/\text{NDF}: 2119417.7/28$

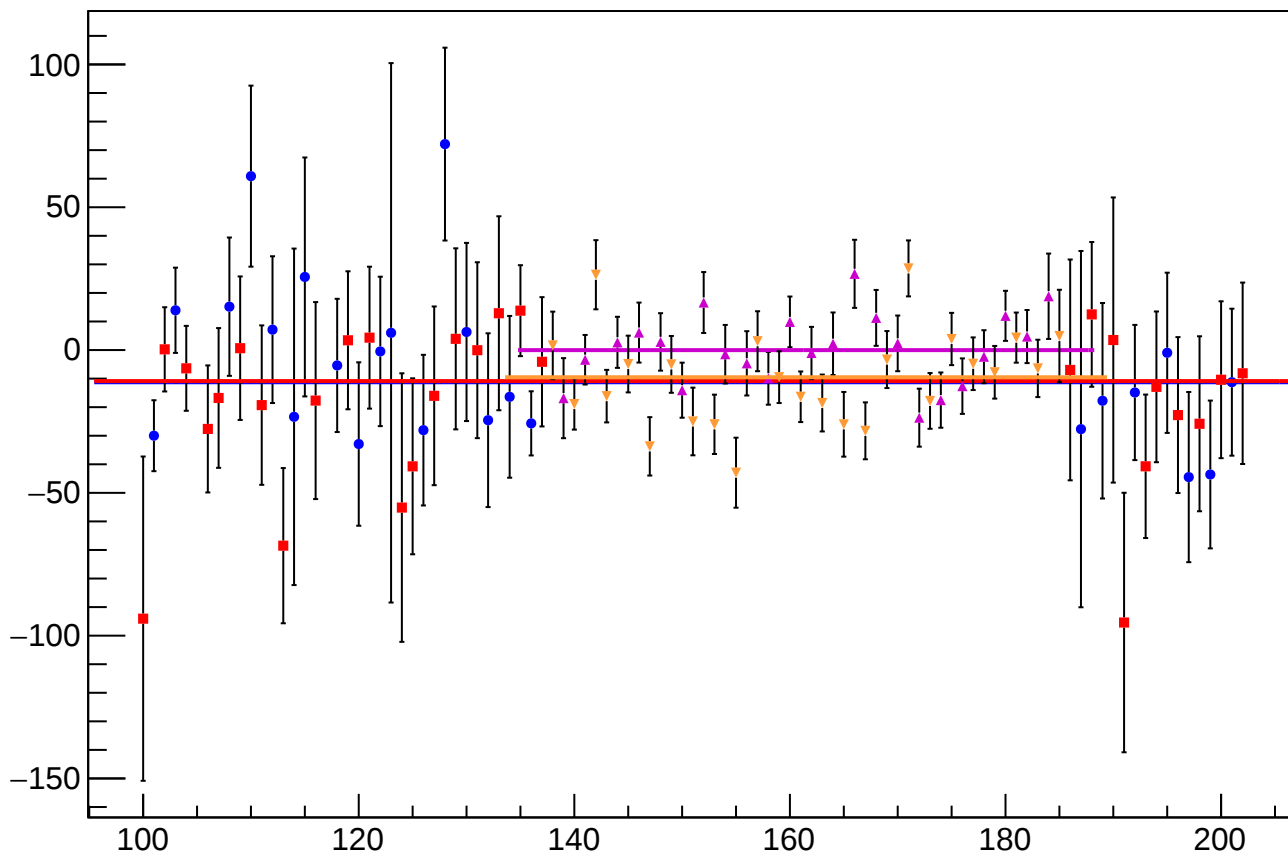
Left In: 6530.954 ± 1.121 $\chi^2/\text{NDF}: 464668.6/22$

+ sign 6159.038 ± 0.816 $\chi^2/\text{NDF}: 2119438.5/48$

All: 6126.787 ± 0.571 $\chi^2/\text{NDF}: 5012961.3/10$

- sign 6095.835 ± 0.800 $\chi^2/\text{NDF}: 2890463.6/51$

diff_bpm1X_mean vs Slug



Right In: -11.272 $\pm$ 4.846 χ^2 /NDF: 25.4/23

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

Right Out: -10.867 $\pm$ 4.782 χ^2 /NDF: 20.4/28

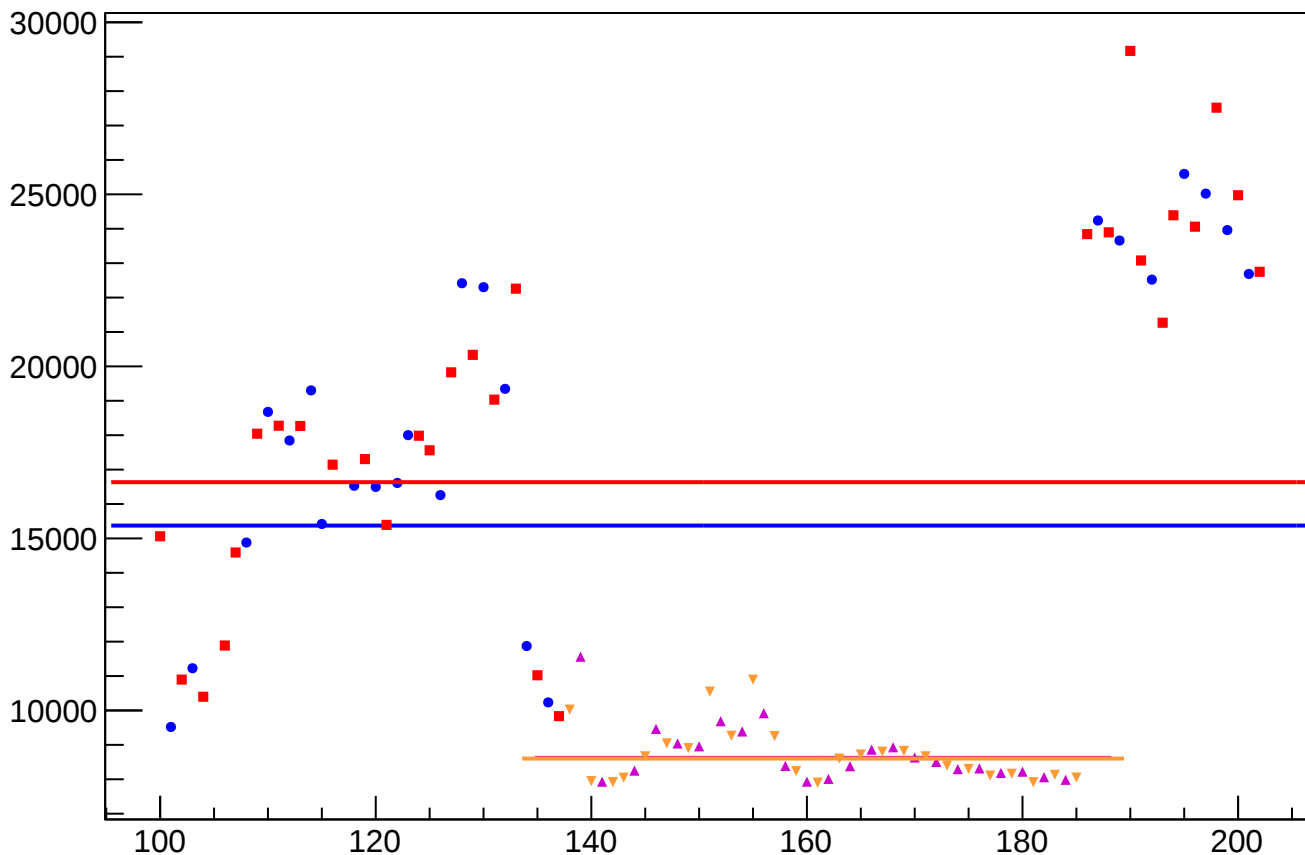
Left In: -0.027 $\pm$ 2.080 χ^2 /NDF: 29.9/22

+ sign -9.785 $\pm$ 1.861 χ^2 /NDF: 85.1/48

All: -5.867 $\pm$ 1.332 χ^2 /NDF: 148.8/100

- sign -1.751 $\pm$ 1.907 χ^2 /NDF: 54.6/51

diff_bpm1X_rms vs Slug



Right In: 15373.311+/-3.427 χ^2/NDF : 2530909.5/23

Left Out: 8601.926+/-1.425 χ^2/NDF :248903.5/24

Right Out: 16634.386+/-3.382 χ^2/NDF : 2636160.3/28

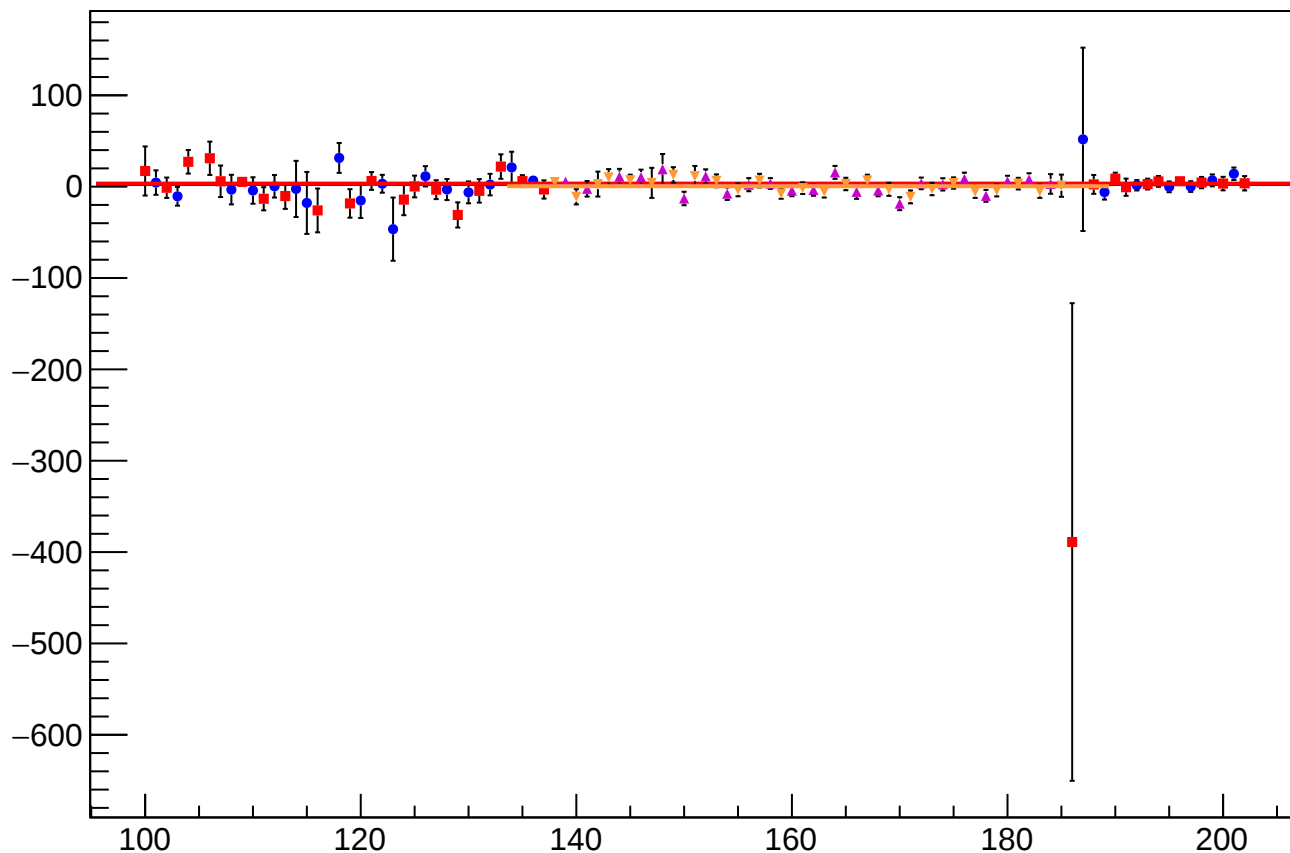
Left In: 8621.975+/-1.471 χ^2/NDF :230824.4/22

+ sign 9600.120+/-1.316 χ^2/NDF : 6108496.9/48

All: 9744.582+/-0.942 χ^2/NDF : 13721129.7/1

- sign 9896.357+/-1.349 χ^2/NDF : 7587913.7/51

diff_bpm1Y_mean vs Slug



Right In: 2.877 $\pm$ 1.890 χ^2 /NDF: 16.8/23

Left Out: 0.481 $\pm$ 1.419 χ^2 /NDF:19.6/24

Right Out: 3.348 $\pm$ 1.659 χ^2 /NDF: 26.7/28

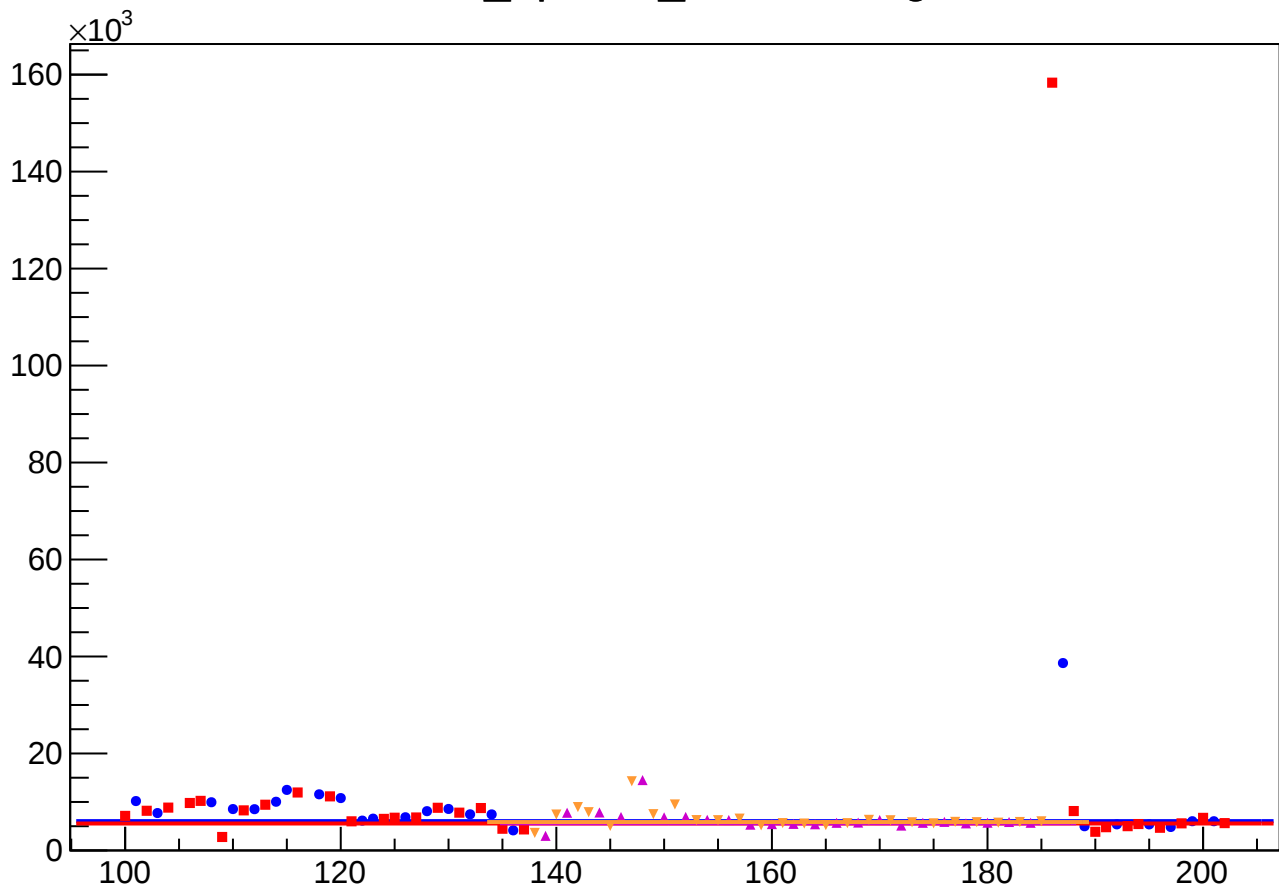
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

+ sign 1.345 $\pm$ 1.135 χ^2 /NDF: 37.4/48

All: 1.773 $\pm$ 0.780 χ^2 /NDF: 98.3/100

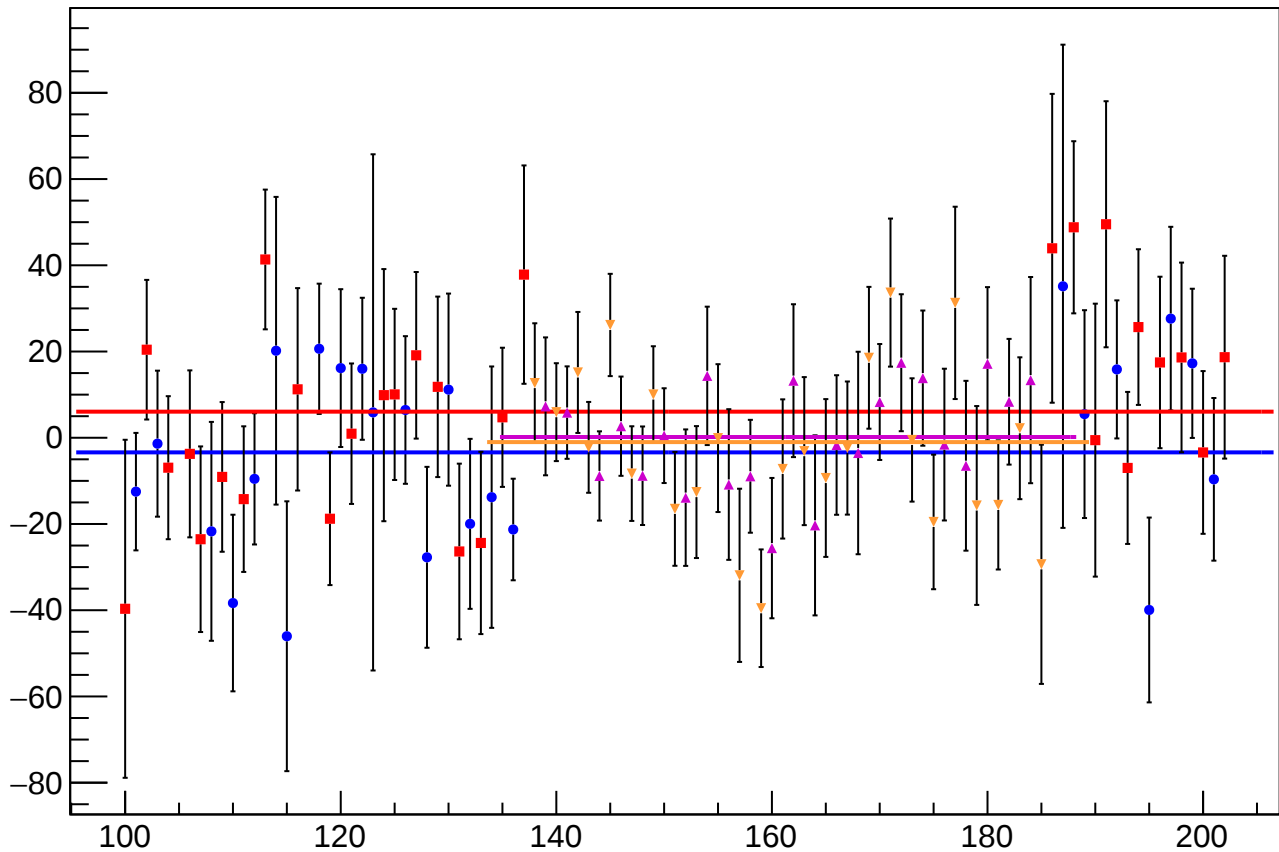
- sign 2.155 $\pm$ 1.073 χ^2 /NDF: 60.6/51

diff_bpm1Y_rms vs Slug



Right In: 6049.441 $\pm$ 1.336	χ^2/NDF : 1895193.4/23	+ sign 5927.444 $\pm$ 0.802	χ^2/NDF : 3599572.3/48
Left Out: 5858.642 $\pm$ 1.004	χ^2/NDF : 1691344.1/24	All: 5744.499 $\pm$ 0.551	χ^2/NDF : 9171602.6/10
Right Out: 5559.007 $\pm$ 1.173	χ^2/NDF : 3383260.6/28	- sign 5581.044 $\pm$ 0.759	χ^2/NDF : 5473617.2/51
Left In: 5596.879 $\pm$ 0.994	χ^2/NDF : 2089750.1/22		

diff_bpm11X_mean vs Slug



Right In: -3.392 ± 3.913 $\chi^2/\text{NDF}: 25.3/23$

Left Out: -1.007 ± 2.942 $\chi^2/\text{NDF}: 33.5/24$

Right Out: 6.054 ± 3.699 $\chi^2/\text{NDF}: 32.4/28$

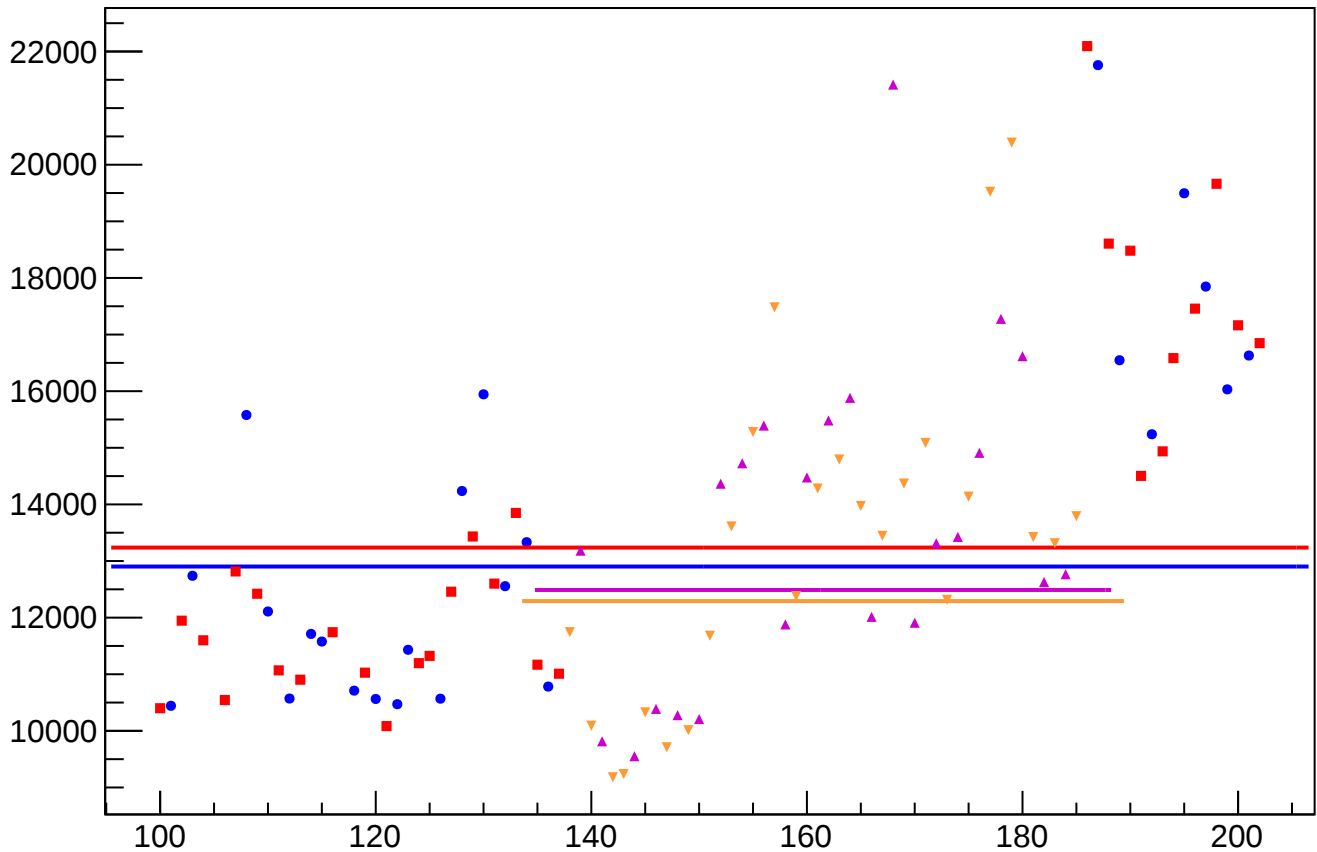
Left In: 0.172 ± 3.067 $\chi^2/\text{NDF}: 12.4/22$

+ sign -1.868 ± 2.351 $\chi^2/\text{NDF}: 59.0/48$

All: 0.341 ± 1.666 $\chi^2/\text{NDF}: 107.0/100$

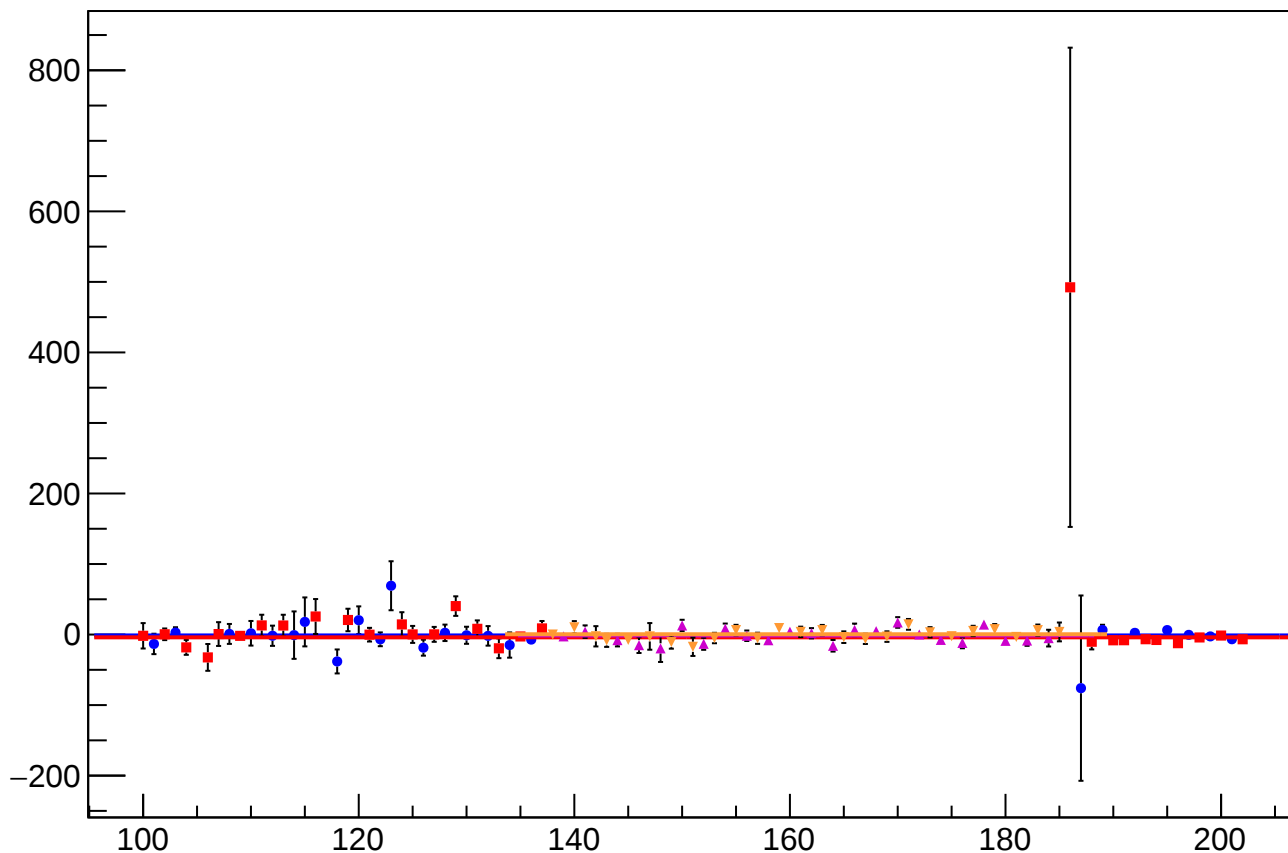
- sign 2.569 ± 2.361 $\chi^2/\text{NDF}: 46.3/51$

diff_bpm11X_rms vs Slug



Right In: 12902.576+/-2.767	χ^2/NDF : 990285.5/23	+ sign 12512.840+/-1.663	χ^2/NDF : 2523888.6/48
Left Out: 12292.583+/-2.080	χ^2/NDF : 1502548.3/24	All: 12652.780+/-1.178	χ^2/NDF : 5117861.1/100
Right Out: 13237.496+/-2.615	χ^2/NDF : 1176705.8/28	- sign 12793.887+/-1.670	χ^2/NDF : 2579744.3/51
Left In: 12488.821+/-2.169	χ^2/NDF : 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: -1.252 ± 1.700 χ^2/NDF : 21.7/23

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

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

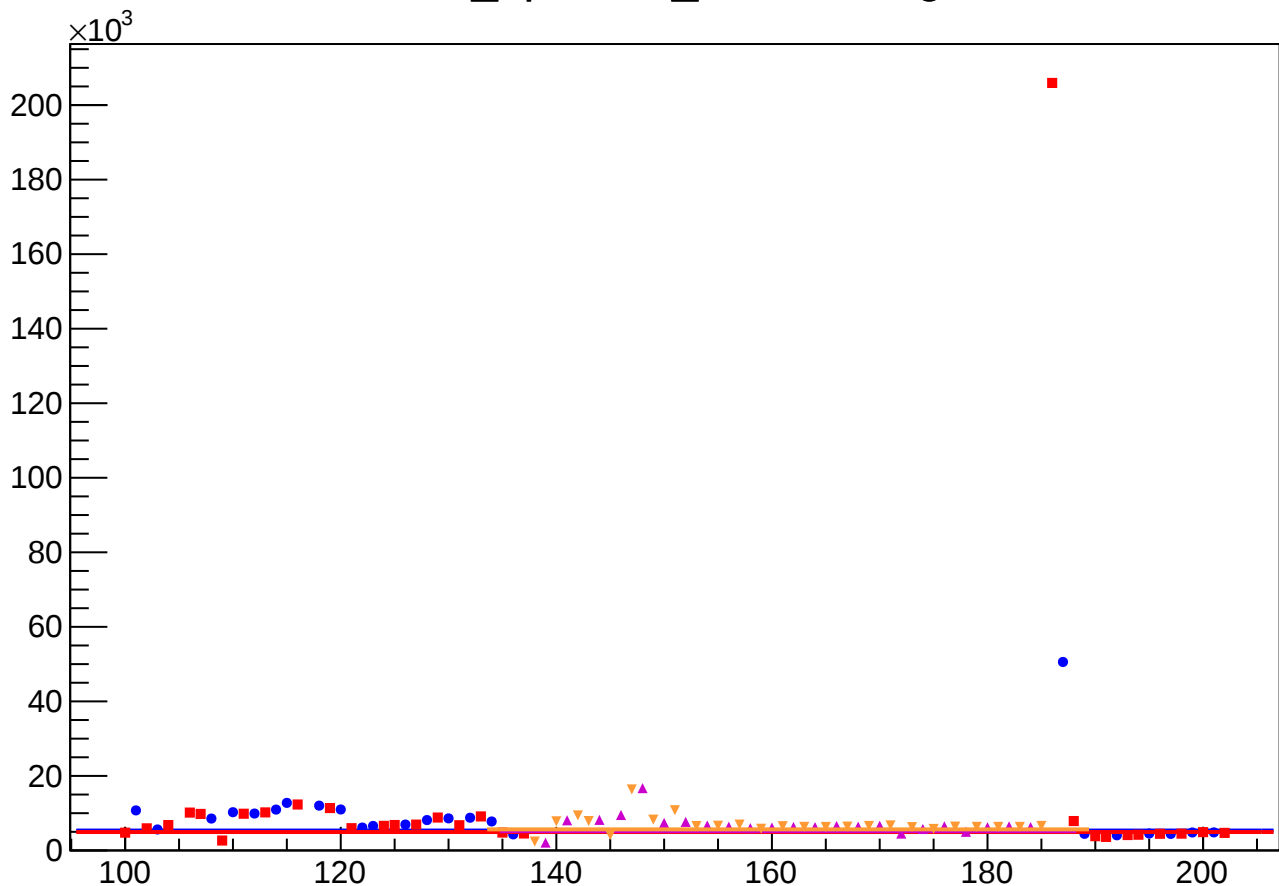
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign -0.281 ± 1.096 χ^2/NDF : 41.6/48

All: -1.481 ± 0.746 χ^2/NDF : 113.1/100

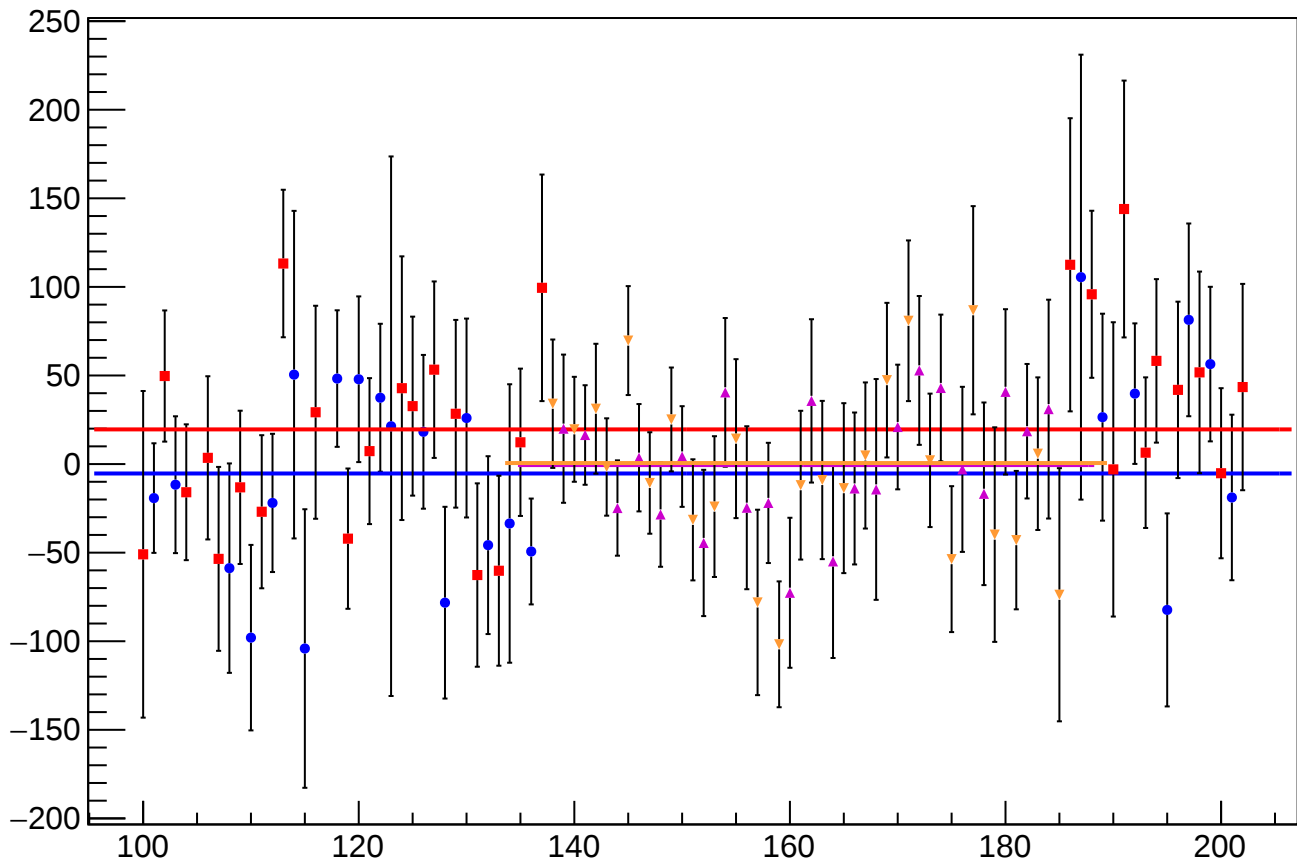
- sign -2.513 ± 1.017 χ^2/NDF : 69.3/51

diff_bpm11Y_rms vs Slug



Right In: 5336.952 ± 1.202 $\chi^2/\text{NDF}: 2527971.4/23$ + sign 5523.043 ± 0.775 $\chi^2/\text{NDF}: 6693160.4/48$
 Left Out: 5655.639 ± 1.014 $\chi^2/\text{NDF}: 4124124.3/24$ All: 5281.366 ± 0.527 $\chi^2/\text{NDF}: 15741756.3/31$
 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: -5.314 ± 9.726 χ^2/NDF : 25.0/23

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

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

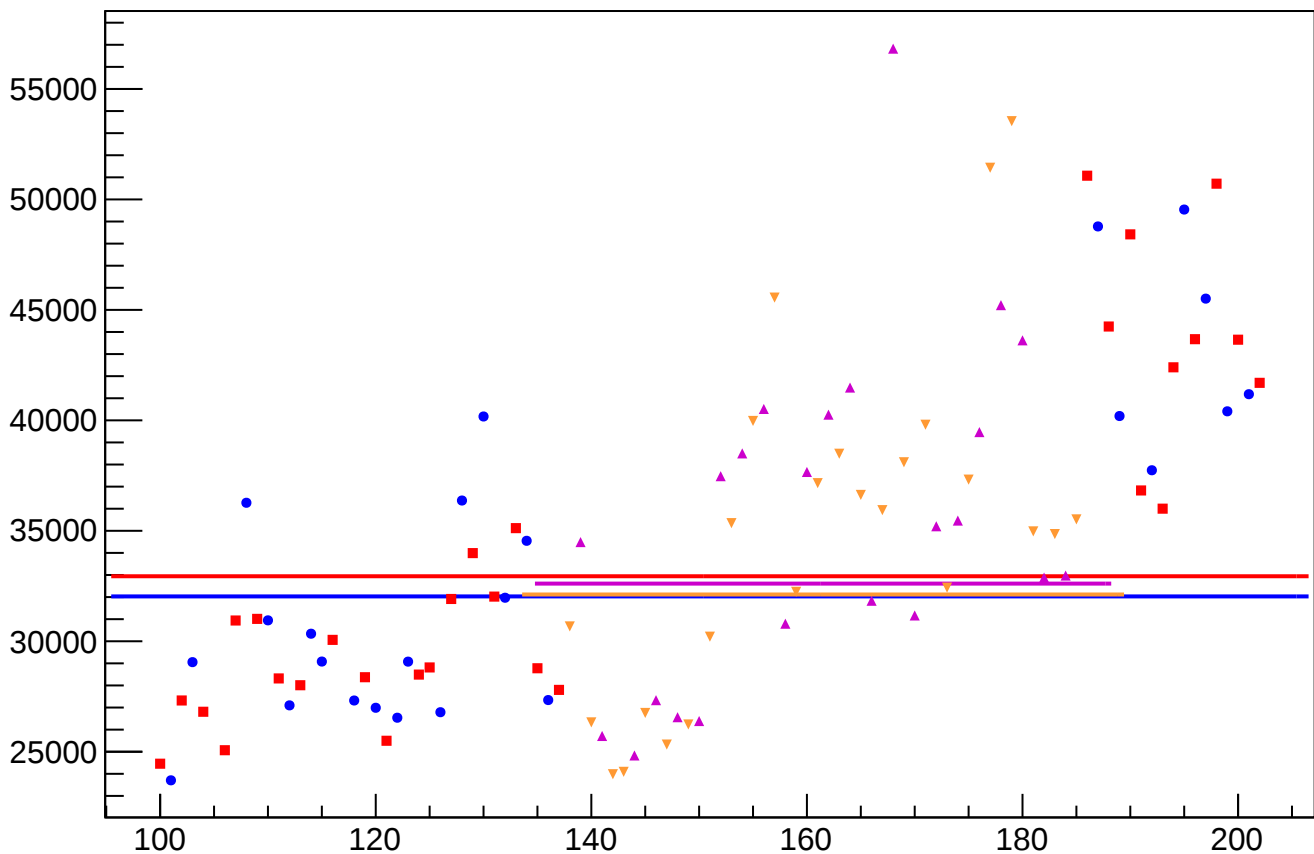
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -1.688 ± 6.033 χ^2/NDF : 56.2/48

All: 3.202 ± 4.270 χ^2/NDF : 103.7/100

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

diff_bpm12X_rms vs Slug



Right In: 32030.406 $\pm$ 6.878 χ^2 /NDF: 1023499.6/23

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

Right Out: 32942.779 $\pm$ 6.511 χ^2 /NDF: 1199780.6/28

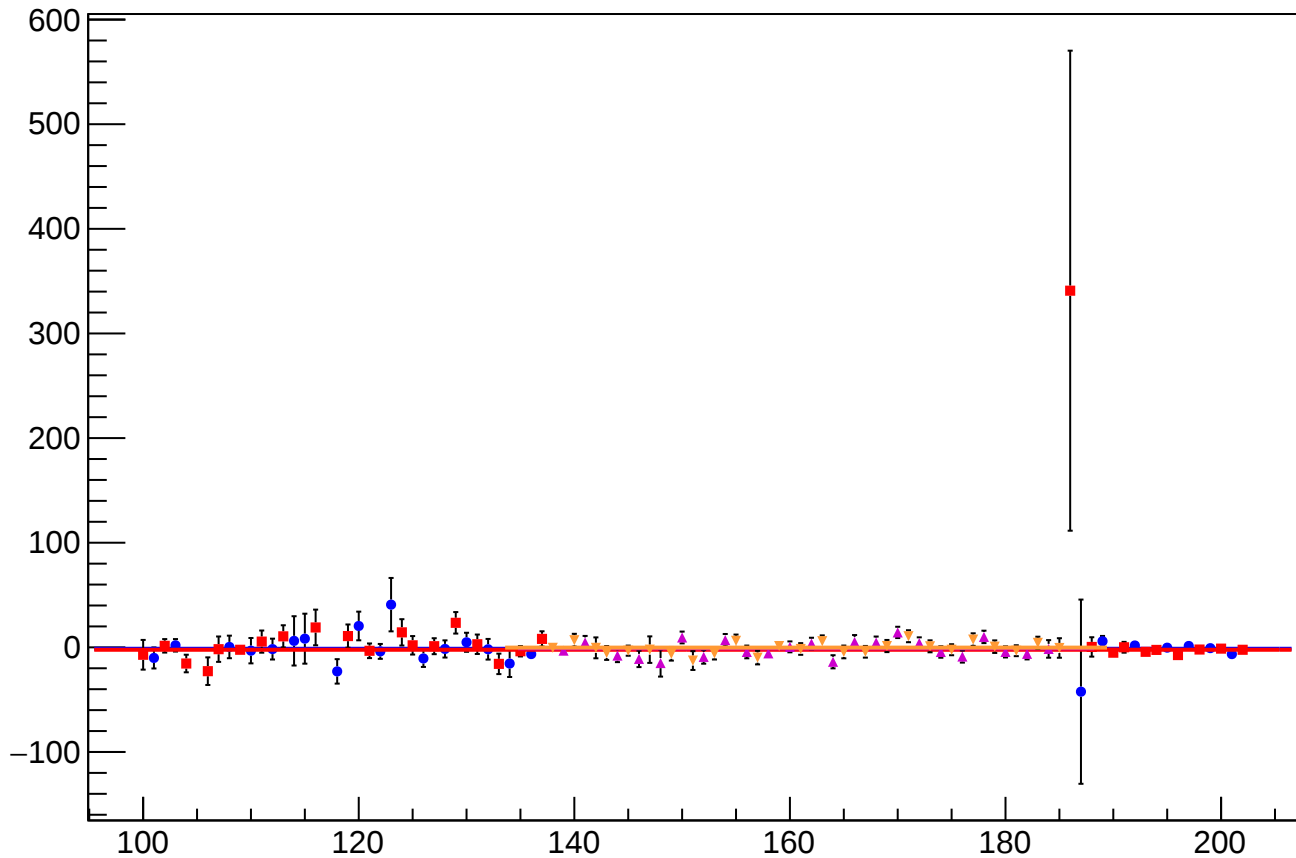
Left In: 32610.108 $\pm$ 5.667 χ^2 /NDF:1398475.8/22

+ sign 32083.801 $\pm$ 4.266 χ^2 /NDF: 2560337.5/48

All: 32417.940 $\pm$ 3.019 χ^2 /NDF: 5172376.8/1

- sign 32753.497 $\pm$ 4.275 χ^2 /NDF: 2599741.6/51

diff_bpm12Y_mean vs Slug



Right In: -1.357 ± 1.175 χ^2/NDF : 21.4/23

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

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

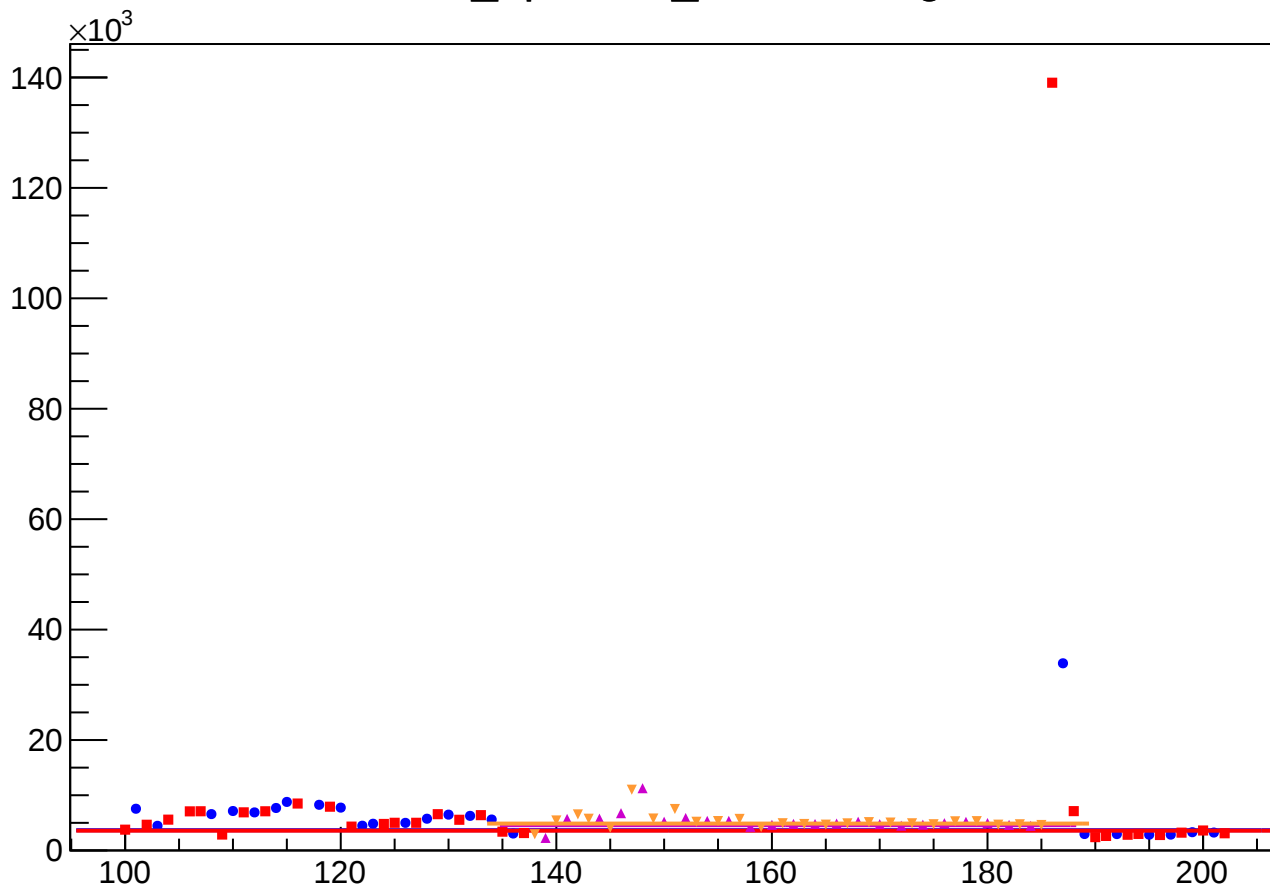
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign -0.805 ± 0.830 χ^2/NDF : 39.9/48

All: -1.259 ± 0.571 χ^2/NDF : 106.4/100

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

diff_bpm12Y_rms vs Slug



Right In: 3667.599 ± 0.831 $\chi^2/\text{NDF}: 2804242.4/23$

Left Out: 4866.528 ± 0.829 $\chi^2/\text{NDF}: 1511486.2/24$

Right Out: 3584.748 ± 0.762 $\chi^2/\text{NDF}: 3553926.4/28$

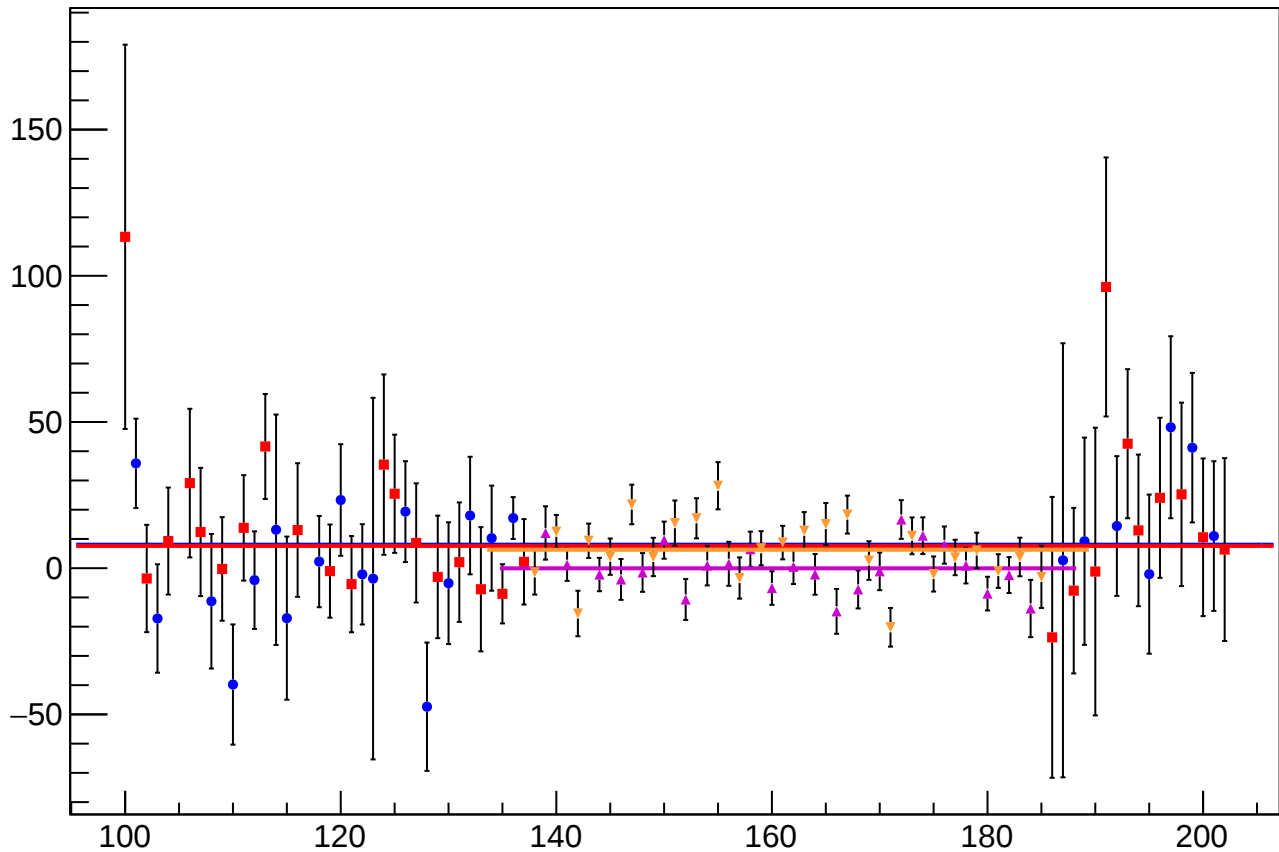
Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

+ sign 4268.198 ± 0.587 $\chi^2/\text{NDF}: 5358674.2/48$

All: 4152.918 ± 0.404 $\chi^2/\text{NDF}: 12263326.9/101$

- sign 4049.231 ± 0.557 $\chi^2/\text{NDF}: 6831392.8/51$

diff_bpm16X_mean vs Slug



Right In: 8.044 ± 3.822 χ^2/NDF : 26.5/23

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

Right Out: 7.623 ± 3.882 χ^2/NDF : 21.1/28

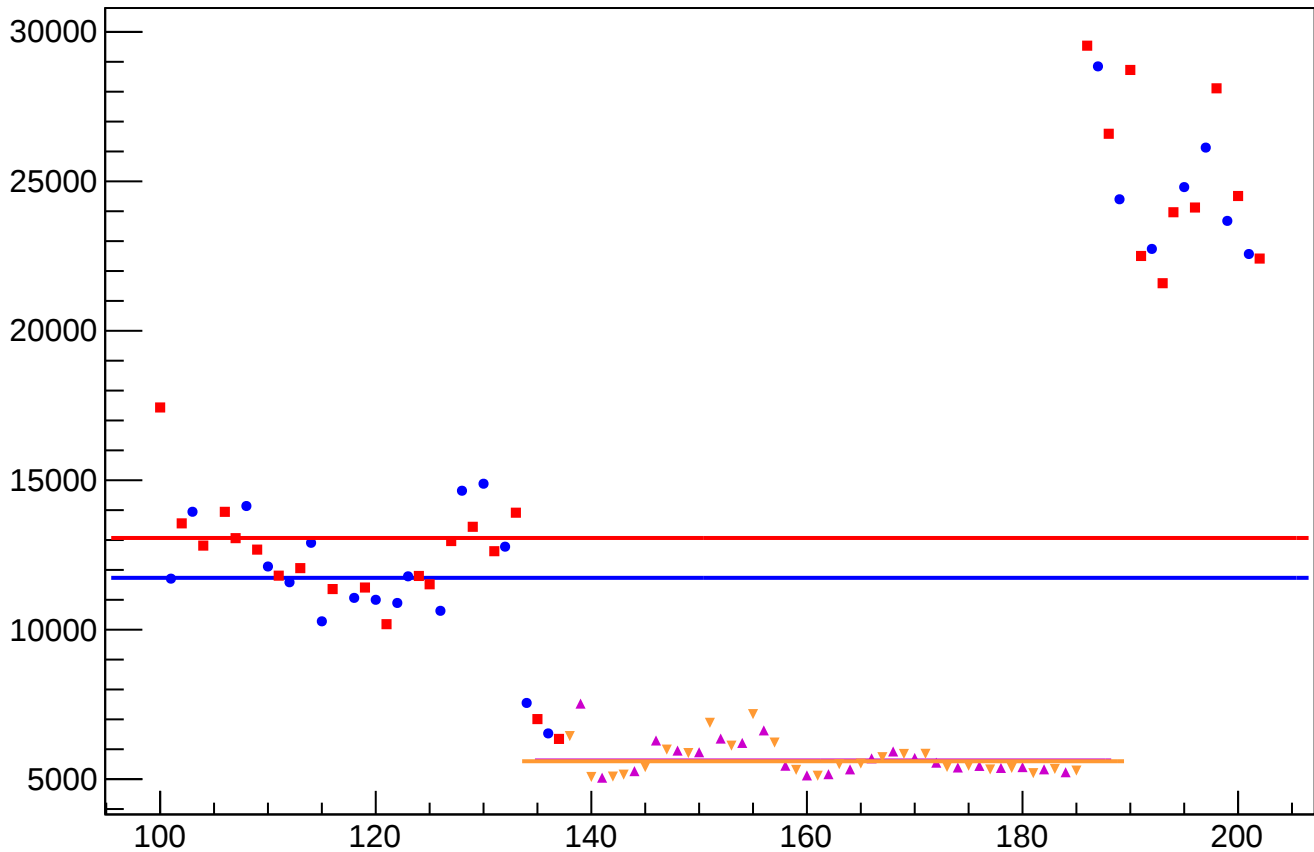
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.486 ± 1.241 χ^2/NDF : 83.4/48

All: 3.729 ± 0.892 χ^2/NDF : 148.2/100

- sign 0.791 ± 1.282 χ^2/NDF : 54.6/51

diff_bpm16X_rms vs Slug



Right In: 11734.874+/-2.702 χ^2/NDF : 3800217.6/23

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

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

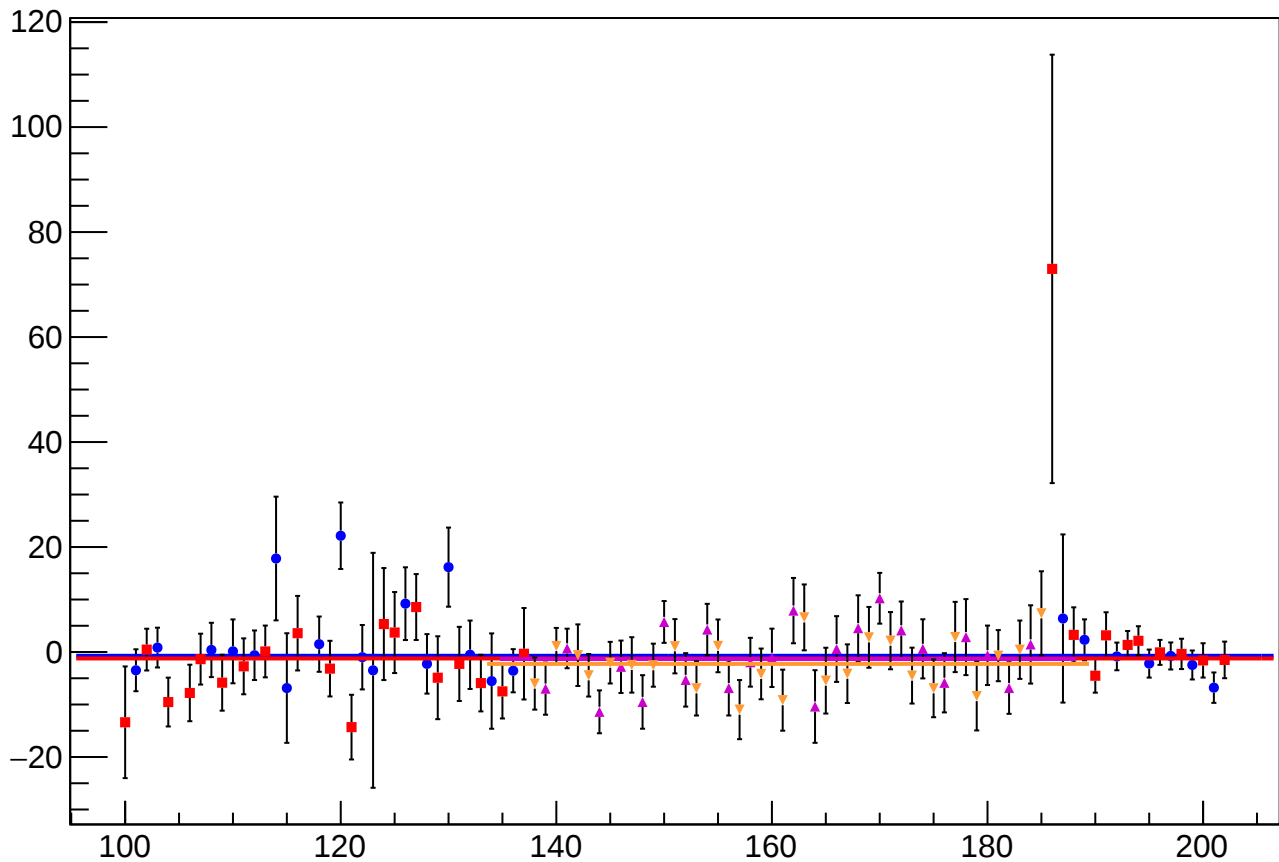
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

+ sign 6246.252+/-0.878 χ^2/NDF : 8695630.6/48

All: 6338.277+/-0.631 χ^2/NDF : 19713451.4/1

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

diff_bpm16Y_mean vs Slug



Right In: -0.720 ± 0.888 χ^2/NDF : 30.6/23

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

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

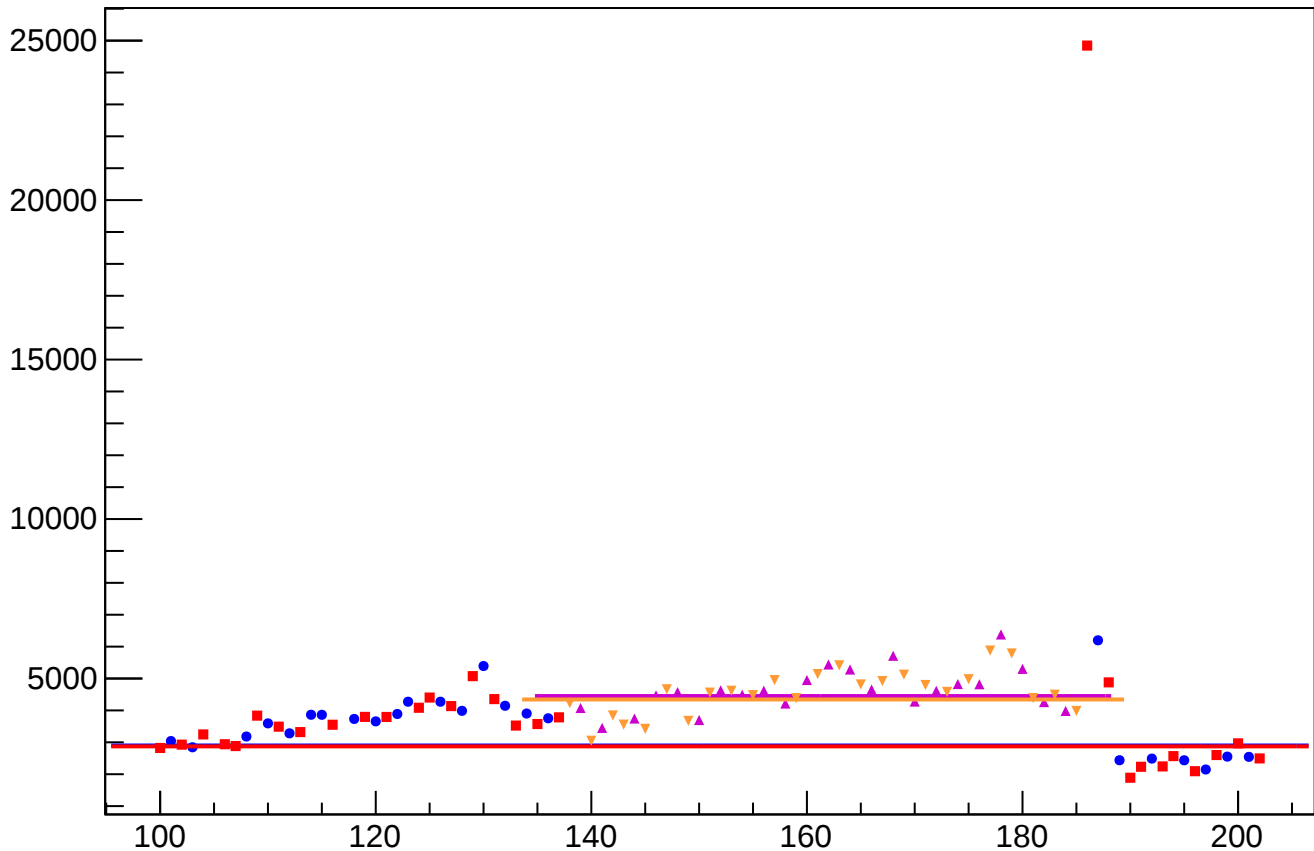
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.378 ± 0.673 χ^2/NDF : 47.4/48

All: -1.319 ± 0.469 χ^2/NDF : 104.7/100

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

diff_bpm16Y_rms vs Slug



Right In: 2900.005 $\pm$ 0.628 χ^2 /NDF: 1225257.9/23

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

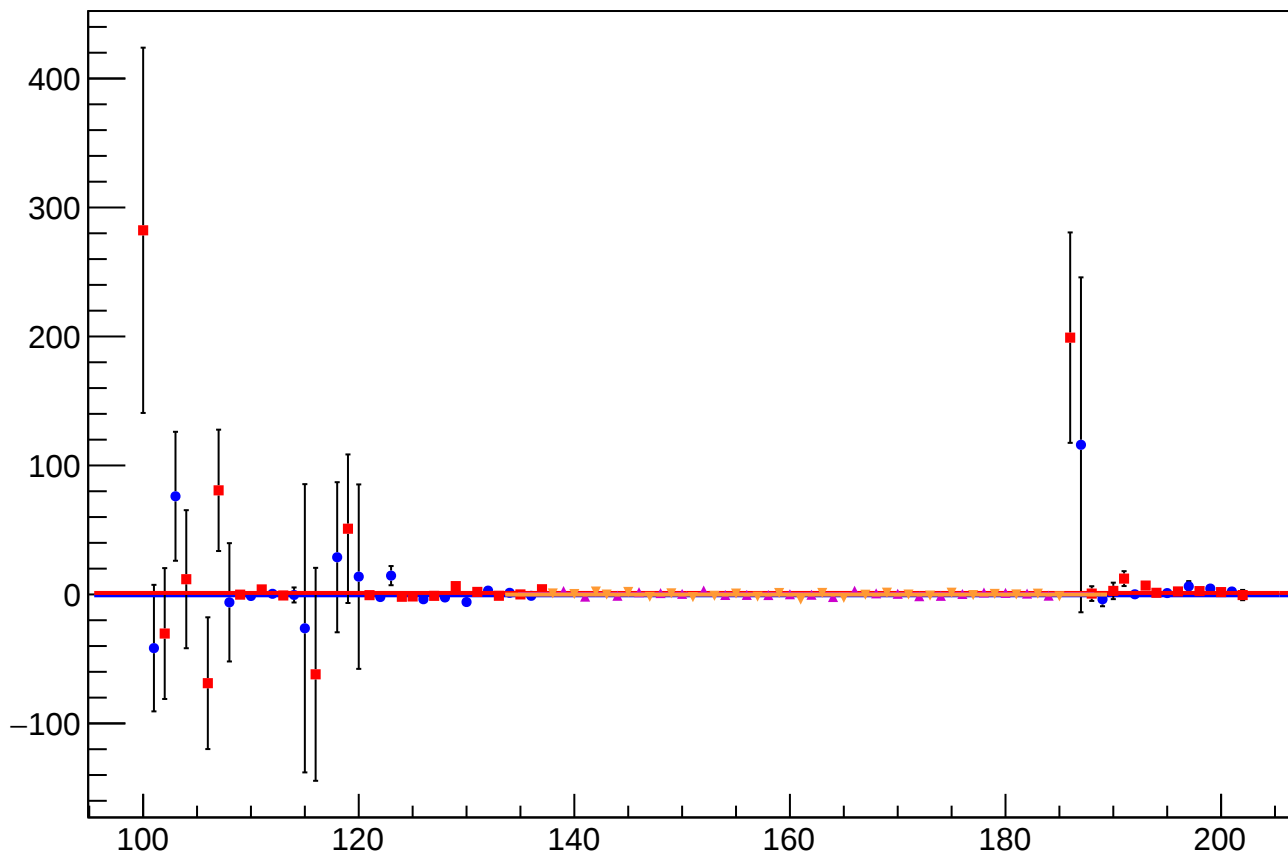
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF:693229.8/22

+ sign 3515.367 $\pm$ 0.476 χ^2 /NDF: 4467532.3/48

All: 3480.344 $\pm$ 0.331 χ^2 /NDF: 10131072.7/1

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

diff_bpm1p02bX_mean vs Slug



Right In: -0.667 ± 0.668 χ^2/NDF : 25.4/23

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

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

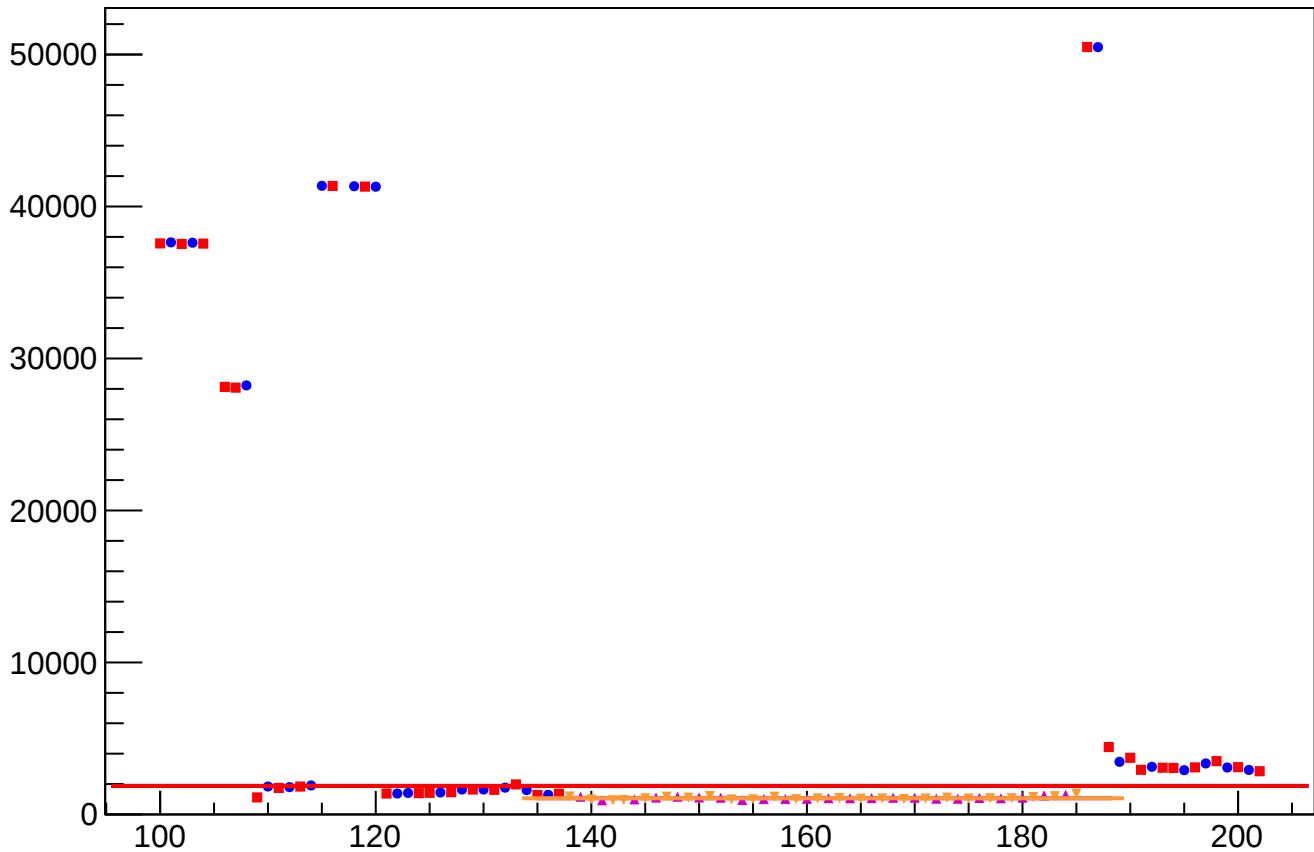
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.162 ± 0.233 χ^2/NDF : 60.5/48

All: 0.107 ± 0.167 χ^2/NDF : 126.7/100

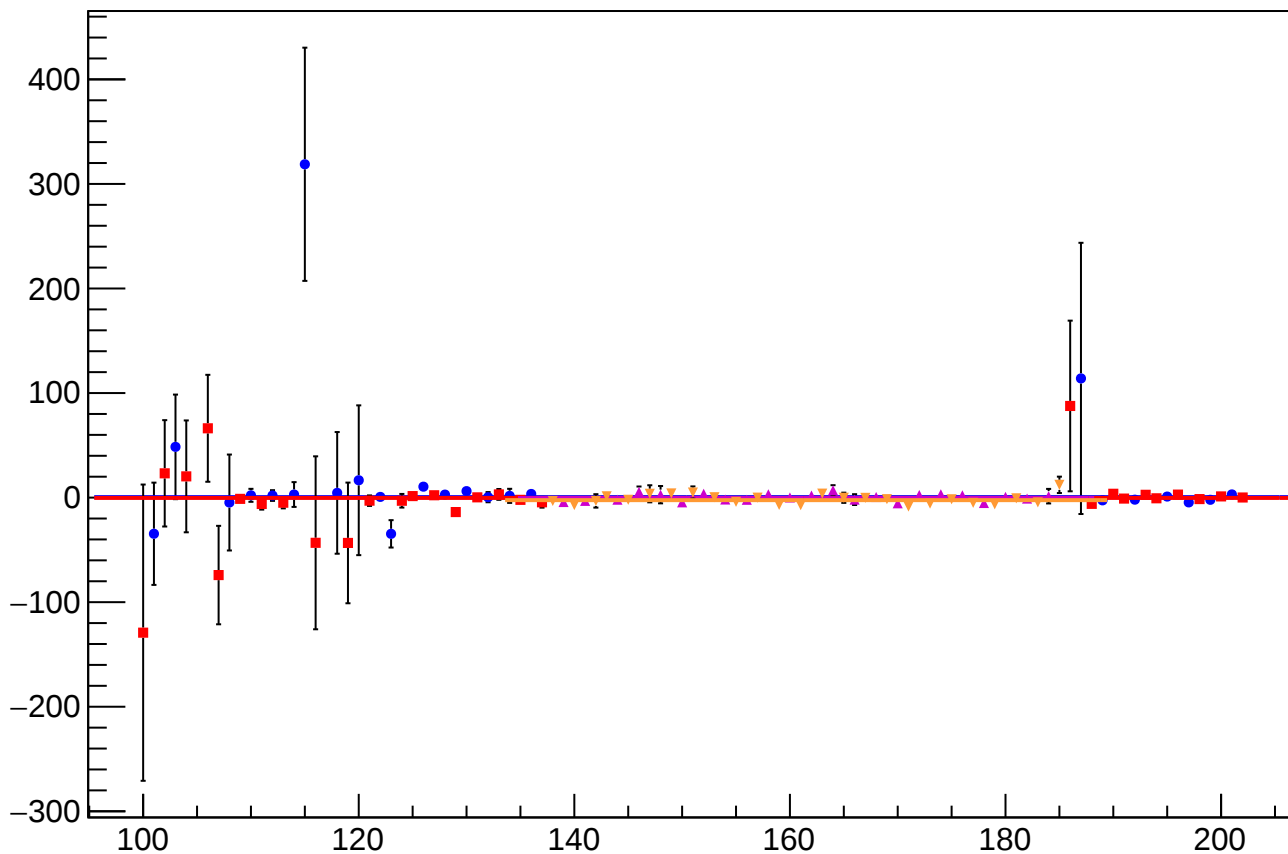
- sign 0.387 ± 0.238 χ^2/NDF : 63.5/51

diff_bpm1p02bX_rms vs Slug



Right In: 1880.031 ± 0.472 $\chi^2/\text{NDF}: 6794463.4/23$ + sign 1164.155 ± 0.165 $\chi^2/\text{NDF}: 9595736.3/48$
 Left Out: 1064.701 ± 0.176 $\chi^2/\text{NDF}: 186511.5/24$ All: 1172.346 ± 0.118 $\chi^2/\text{NDF}: 20812594.7/1$
 Right Out: 1871.203 ± 0.446 $\chi^2/\text{NDF}: 8253344.3/28$ - sign 1180.863 ± 0.168 $\chi^2/\text{NDF}: 11211832.4/51$
 Left In: 1066.255 ± 0.182 $\chi^2/\text{NDF}: 164232.1/22$

diff_bpm1p02bY_mean vs Slug



Right In: 0.453 ± 0.766 χ^2/NDF : 37.0/23

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

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

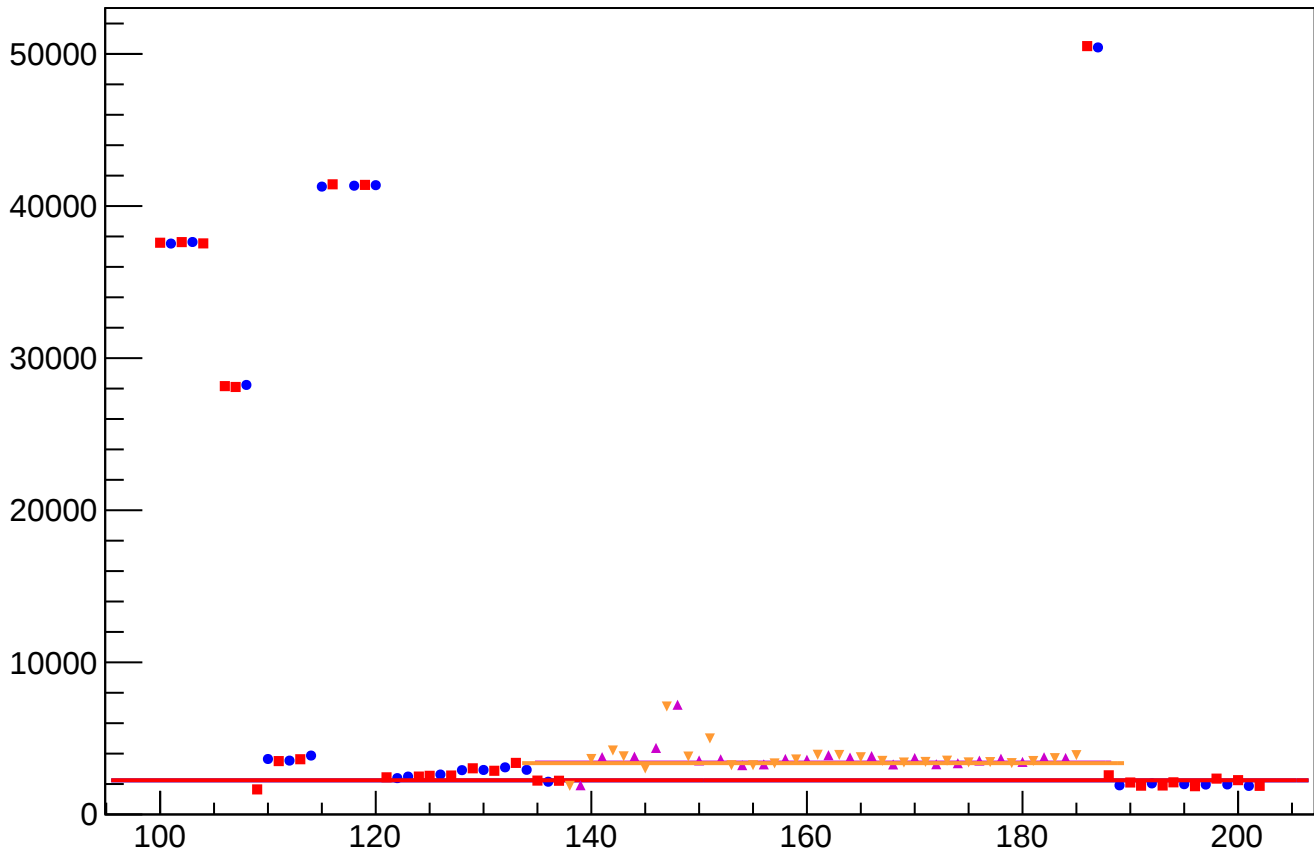
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -0.903 ± 0.557 χ^2/NDF : 64.9/48

All: -0.626 ± 0.390 χ^2/NDF : 109.0/100

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

diff_bpm1p02bY_rms vs Slug



Right In: 2238.867 ± 0.541 $\chi^2/\text{NDF}: 5371816.5/23$

Left Out: 3372.958 ± 0.573 $\chi^2/\text{NDF}: 1656864.7/24$

Right Out: 2248.510 ± 0.508 $\chi^2/\text{NDF}: 5906041.2/28$

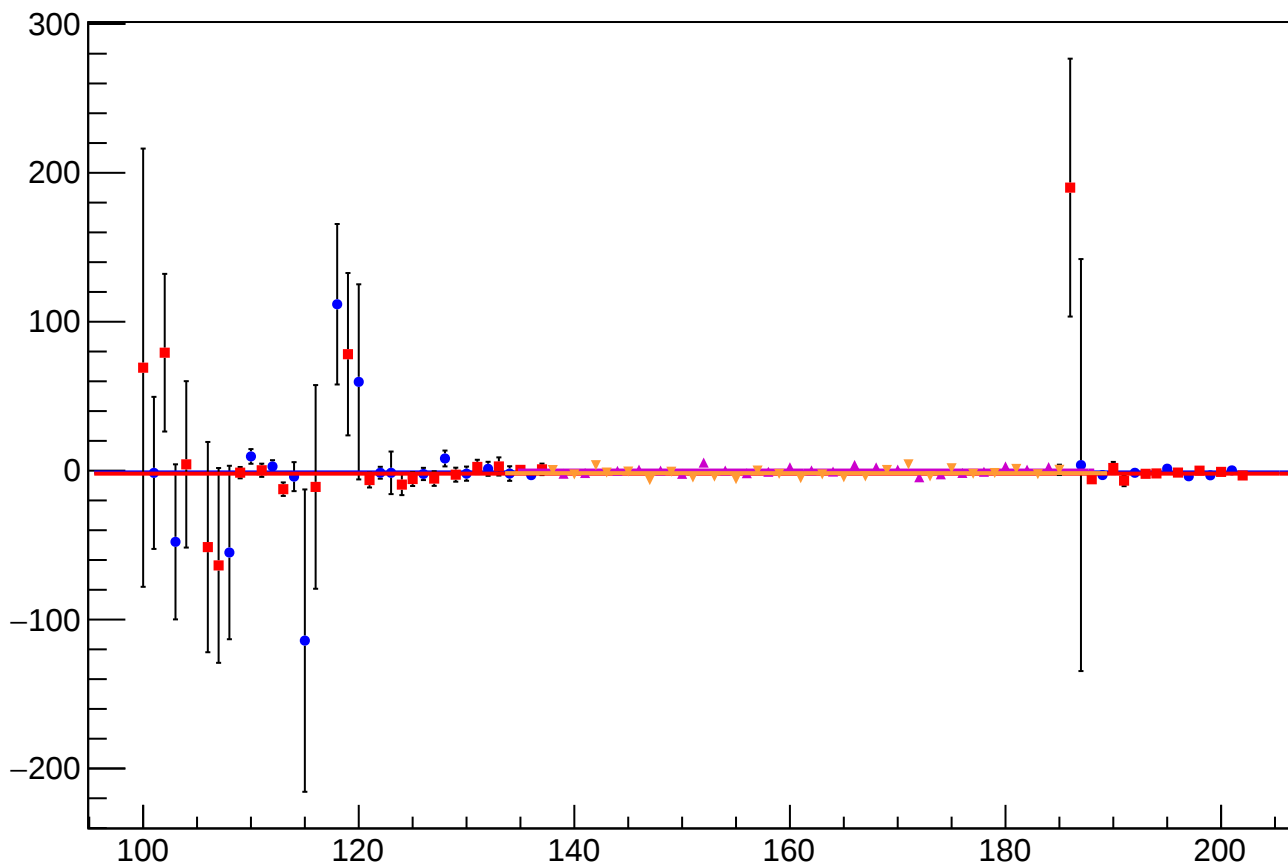
Left In: 3411.924 ± 0.596 $\chi^2/\text{NDF}: 1434523.7/22$

+ sign 2773.646 ± 0.394 $\chi^2/\text{NDF}: 9097769.1/48$

All: 2755.395 ± 0.276 $\chi^2/\text{NDF}: 18650579.0/51$

- sign 2737.795 ± 0.387 $\chi^2/\text{NDF}: 9548586.0/51$

diff_bpm1p03aX_mean vs Slug



Right In: -1.168 ± 0.751 χ^2/NDF : 21.9/23

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

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

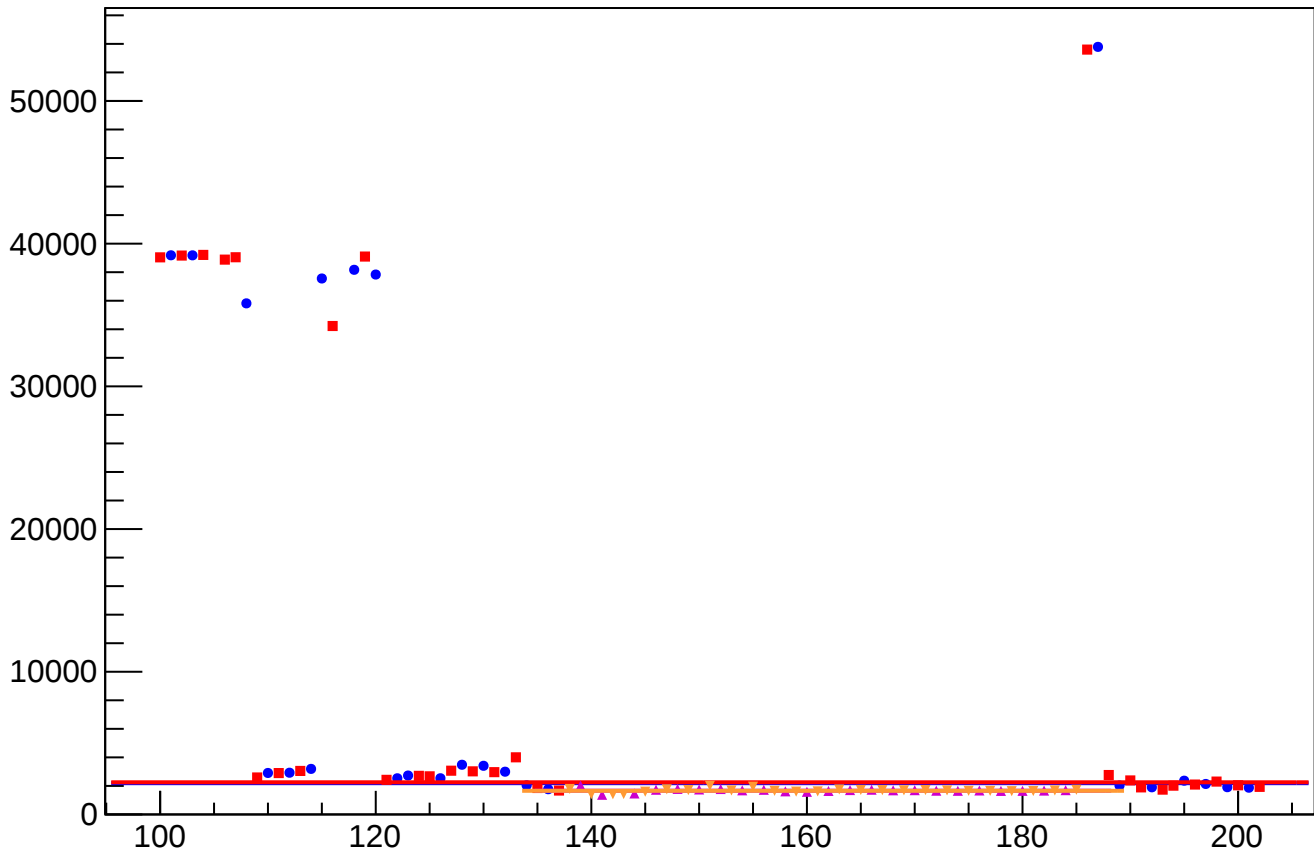
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.566 ± 0.345 χ^2/NDF : 67.9/48

All: -1.006 ± 0.245 χ^2/NDF : 135.4/100

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

diff_bpm1p03aX_rms vs Slug



Right In: 2191.667 $\pm$ 0.531 χ^2 /NDF: 5429068.3/23

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

Right Out: 2254.478 $\pm$ 0.504 χ^2 /NDF: 6020813.6/28

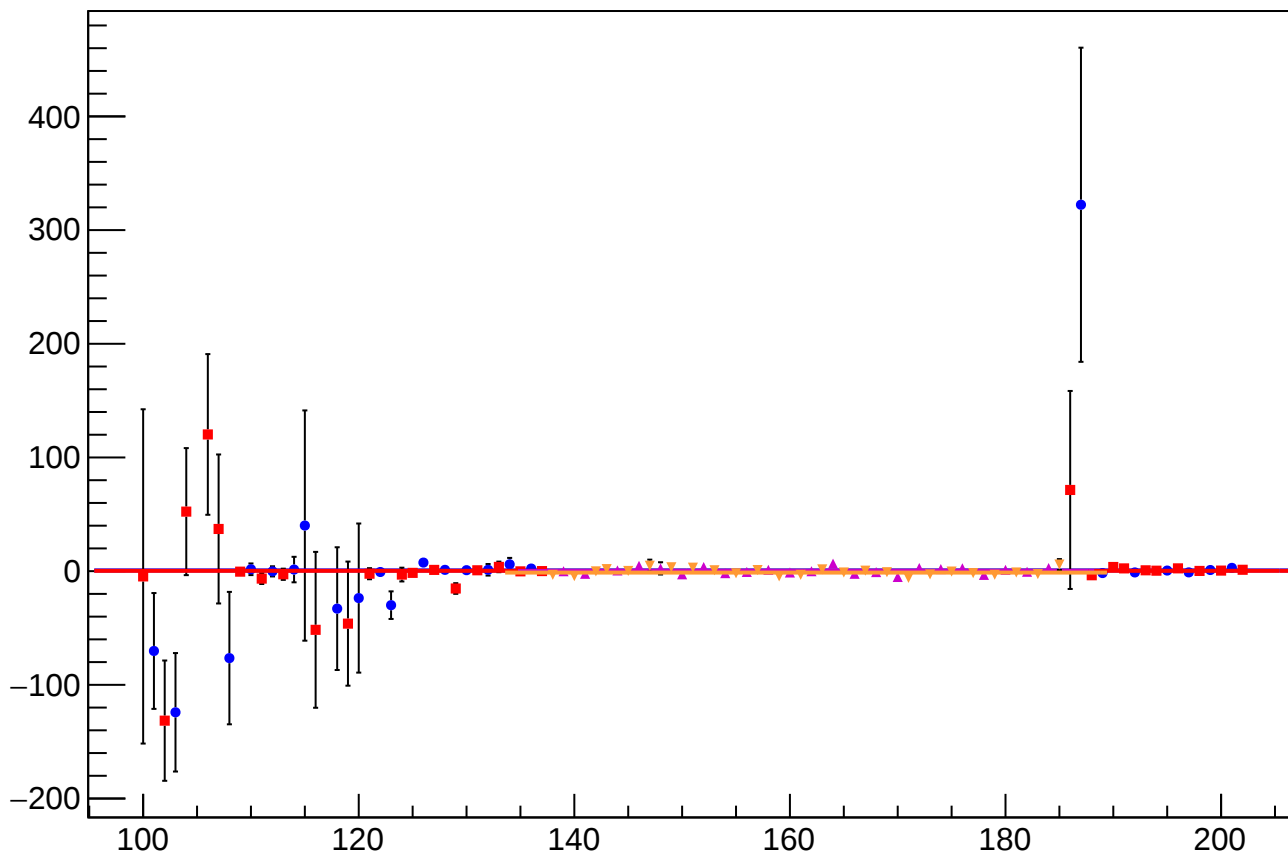
Left In: 1663.620 $\pm$ 0.284 χ^2 /NDF: 178858.2/22

+ sign 1770.357 $\pm$ 0.244 χ^2 /NDF: 6450790.8/48

All: 1787.710 $\pm$ 0.174 χ^2 /NDF: 13703551.3/100

- sign 1805.555 $\pm$ 0.247 χ^2 /NDF: 7242481.0/51

diff_bpm1p03aY_mean vs Slug



Right In: 0.666 ± 0.646 χ^2/NDF : 31.0/23

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

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

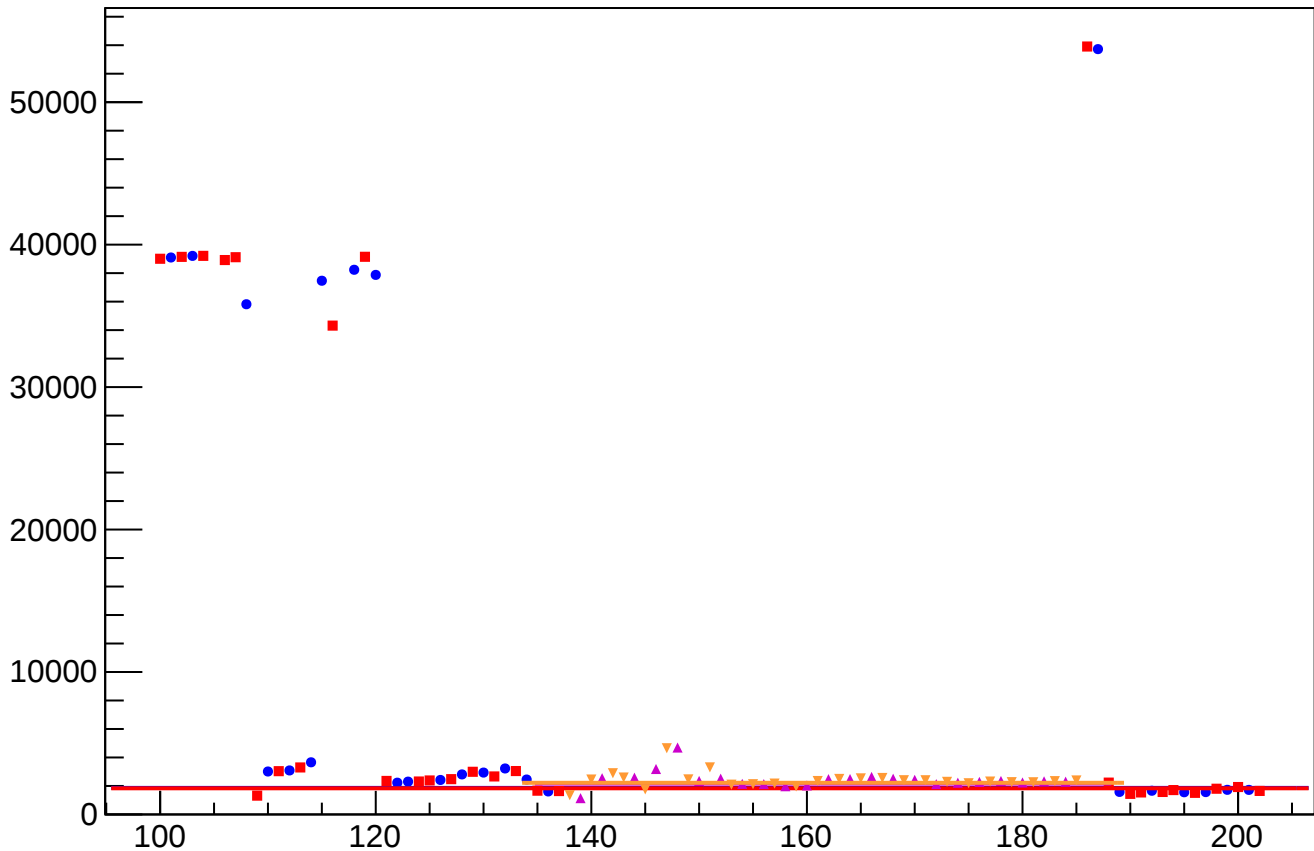
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.471 ± 0.412 χ^2/NDF : 57.9/48

All: -0.133 ± 0.287 χ^2/NDF : 111.6/100

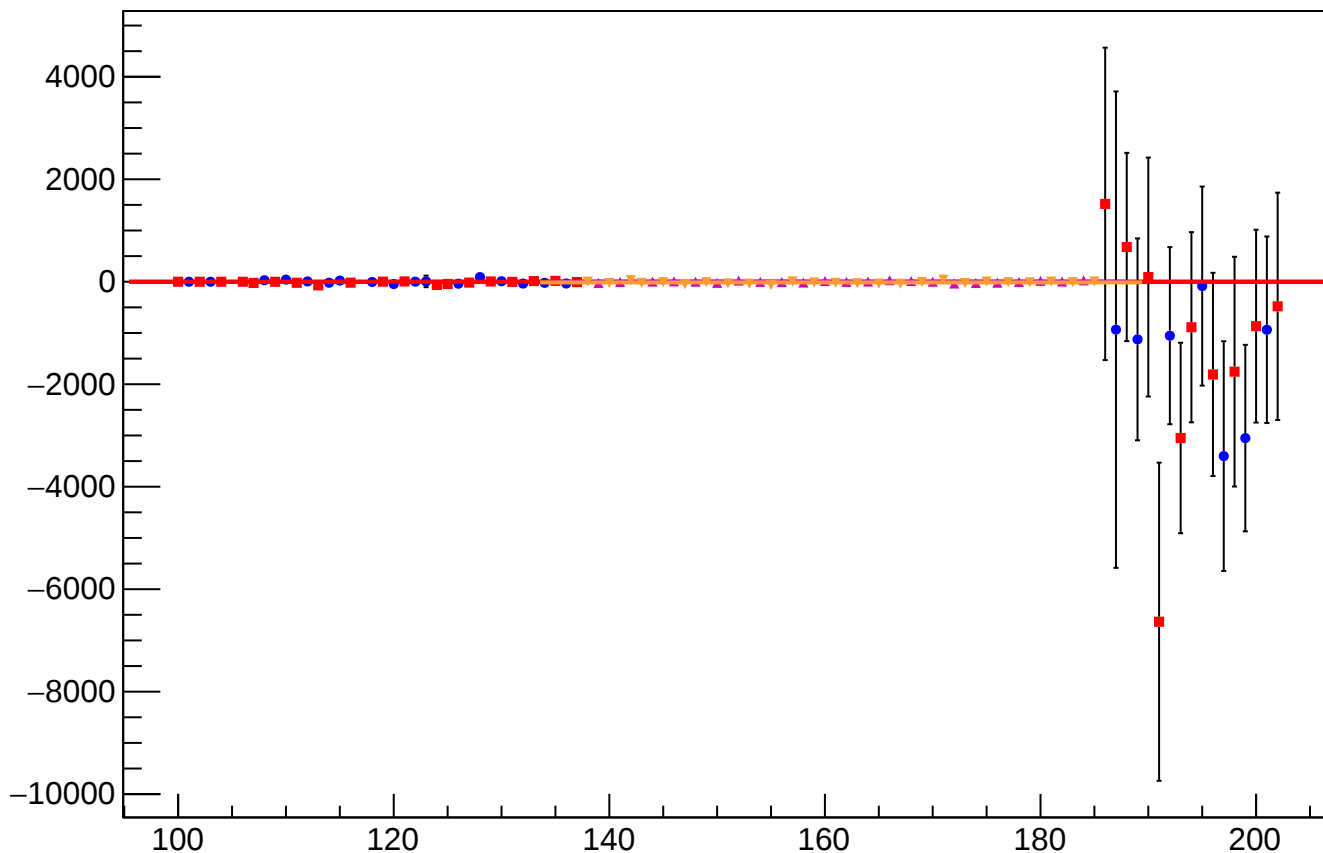
- sign 0.186 ± 0.400 χ^2/NDF : 52.3/51

diff_bpm1p03aY_rms vs Slug



Right In: 1863.802 ± 0.457 $\chi^2/\text{NDF}: 5815858.2/23$ + sign 2076.264 ± 0.291 $\chi^2/\text{NDF}: 7603293.6/48$
 Left Out: 2222.081 ± 0.378 $\chi^2/\text{NDF}: 1422440.9/24$ All: 2046.436 ± 0.203 $\chi^2/\text{NDF}: 16379413.0/51$
 Right Out: 1836.160 ± 0.420 $\chi^2/\text{NDF}: 6436957.8/28$ - sign 2018.307 ± 0.283 $\chi^2/\text{NDF}: 8755752.6/51$
 Left In: 2169.443 ± 0.383 $\chi^2/\text{NDF}: 1974869.8/22$

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 22.7/23

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

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

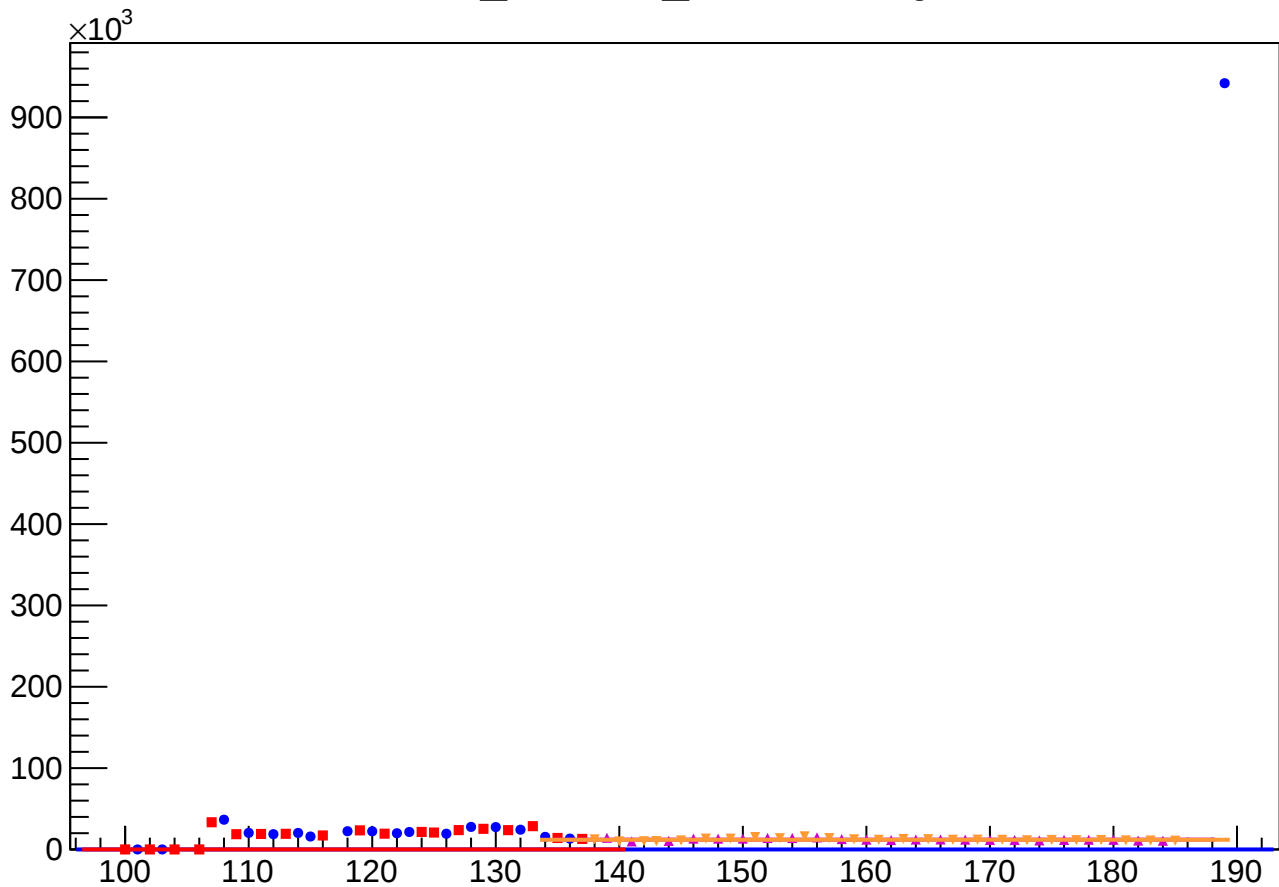
Left In: -0.459+/-2.917 χ^2/NDF : 29.0/22

+ sign 0.013+/-0.017 χ^2/NDF : 104.6/48

All: 0.008+/-0.012 χ^2/NDF : 158.9/100

- 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

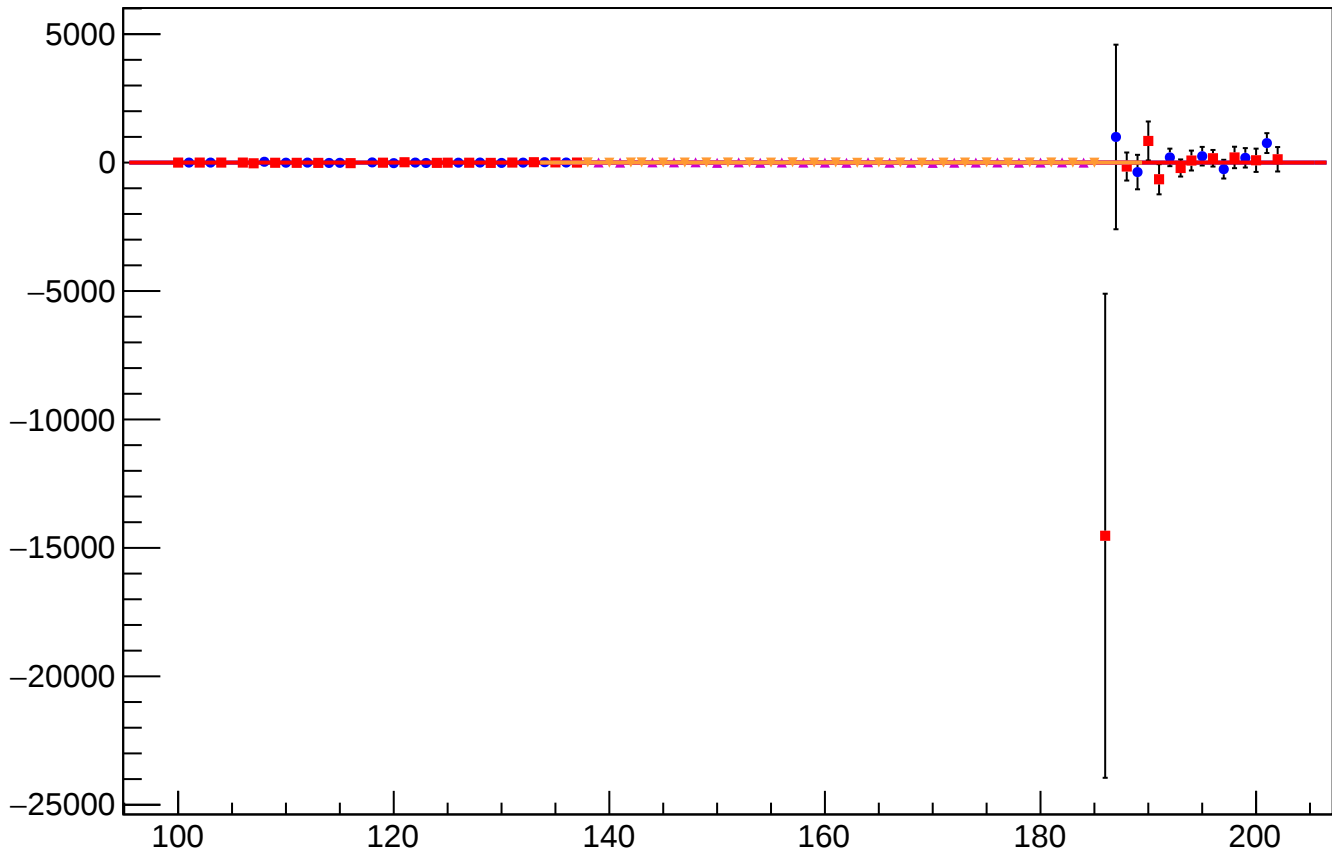
Left In: 12064.761 $\pm$ 2.062 χ^2/NDF : 368452.5/22

+ 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: 18.7/23

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

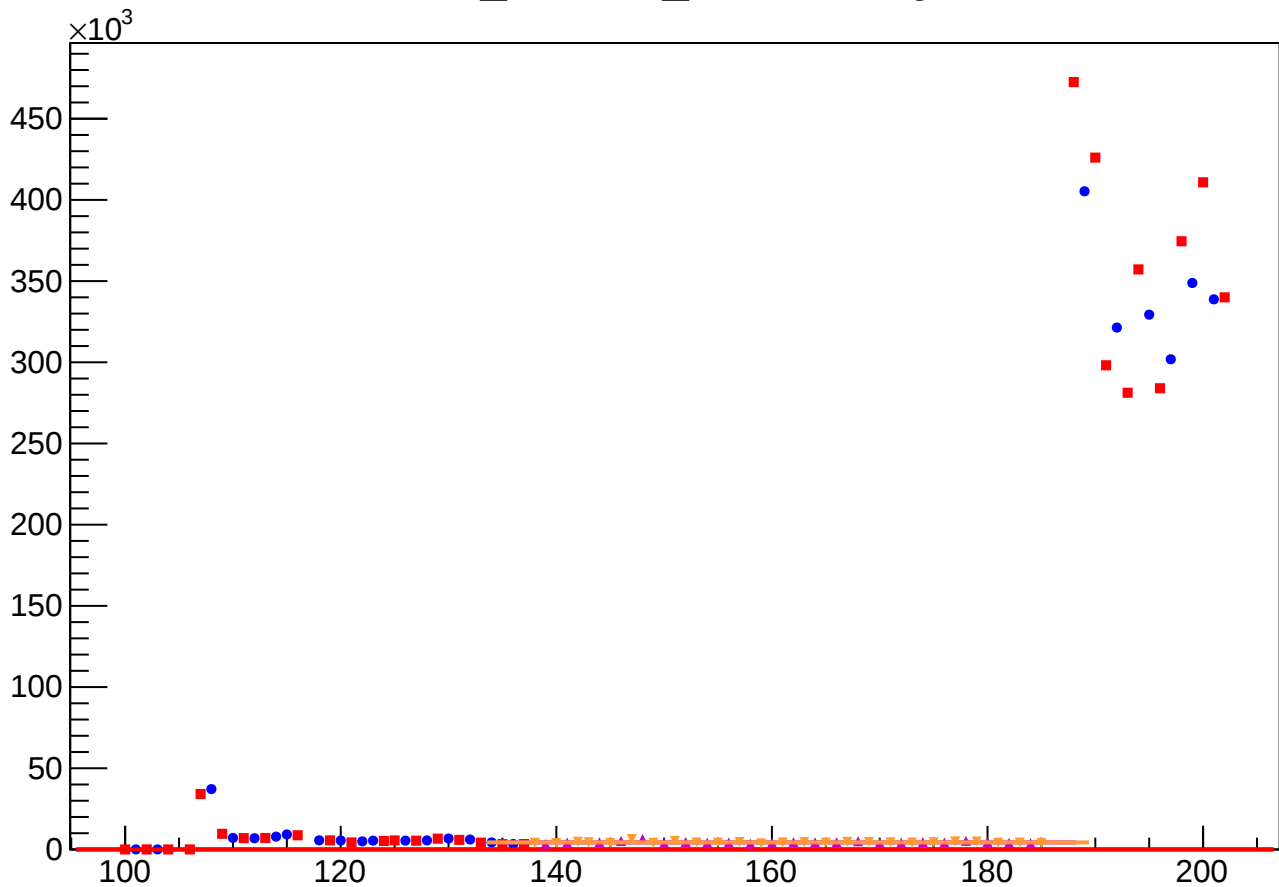
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 39.6/48

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 101.9/100

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

diff_cav4bY_rms vs Slug



Right In: 9.940 $\pm$ 0.007 χ^2 /NDF: 19822705.1/22

Left Out: 4349.005 $\pm$ 0.723 χ^2 /NDF:383895.7/24

Right Out: 9.855 $\pm$ 0.006 χ^2 /NDF: 22682034.9/27

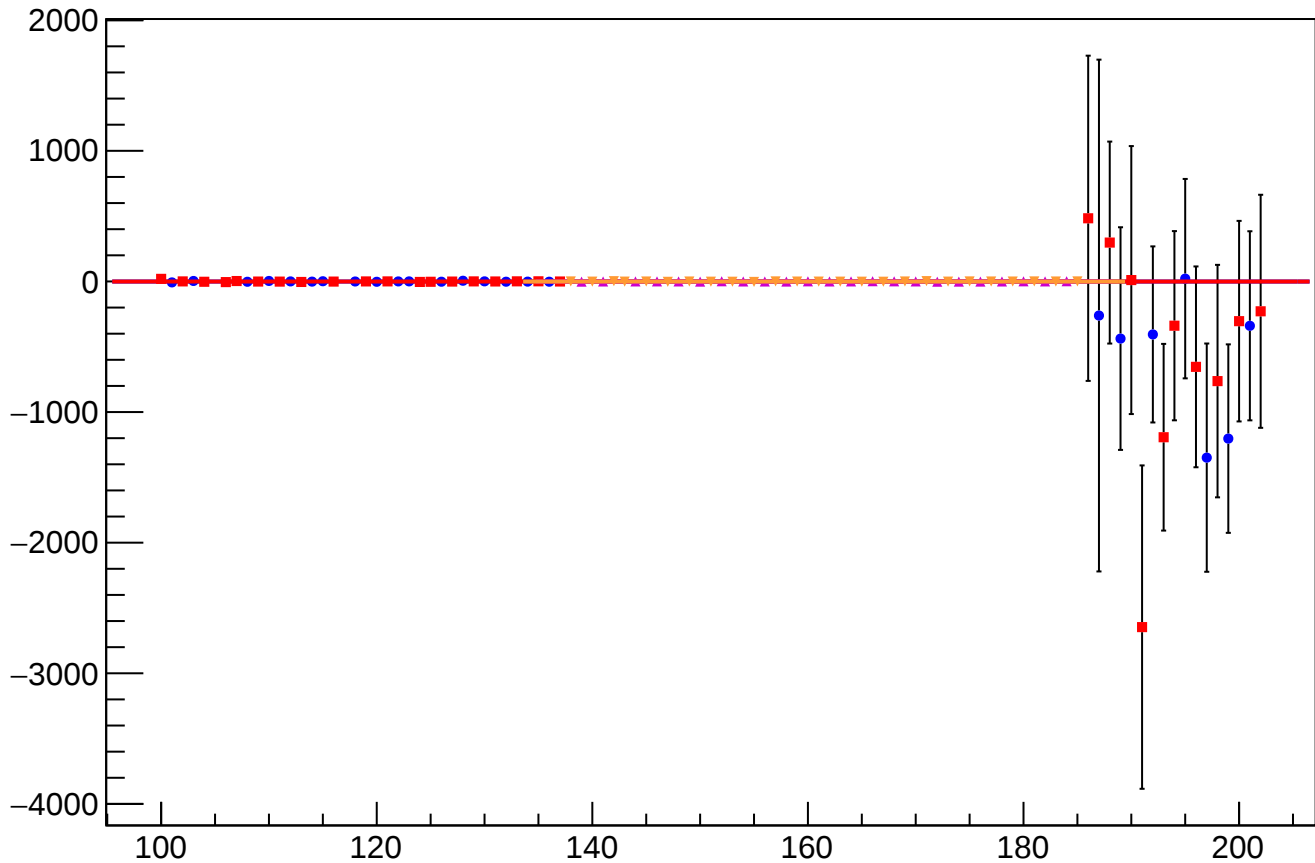
Left In: 4321.572 $\pm$ 0.741 χ^2 /NDF:514603.2/22

+ sign 10.291 $\pm$ 0.007 χ^2 /NDF: 56250116.1/47

All: 10.216 $\pm$ 0.004 χ^2 /NDF: 113265766.7/90

- sign 10.149 $\pm$ 0.006 χ^2 /NDF: 57015395.2/50

diff_cav4cX_mean vs Slug



Right In: -0.715 ± 0.483 χ^2/NDF : 28.7/23

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

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

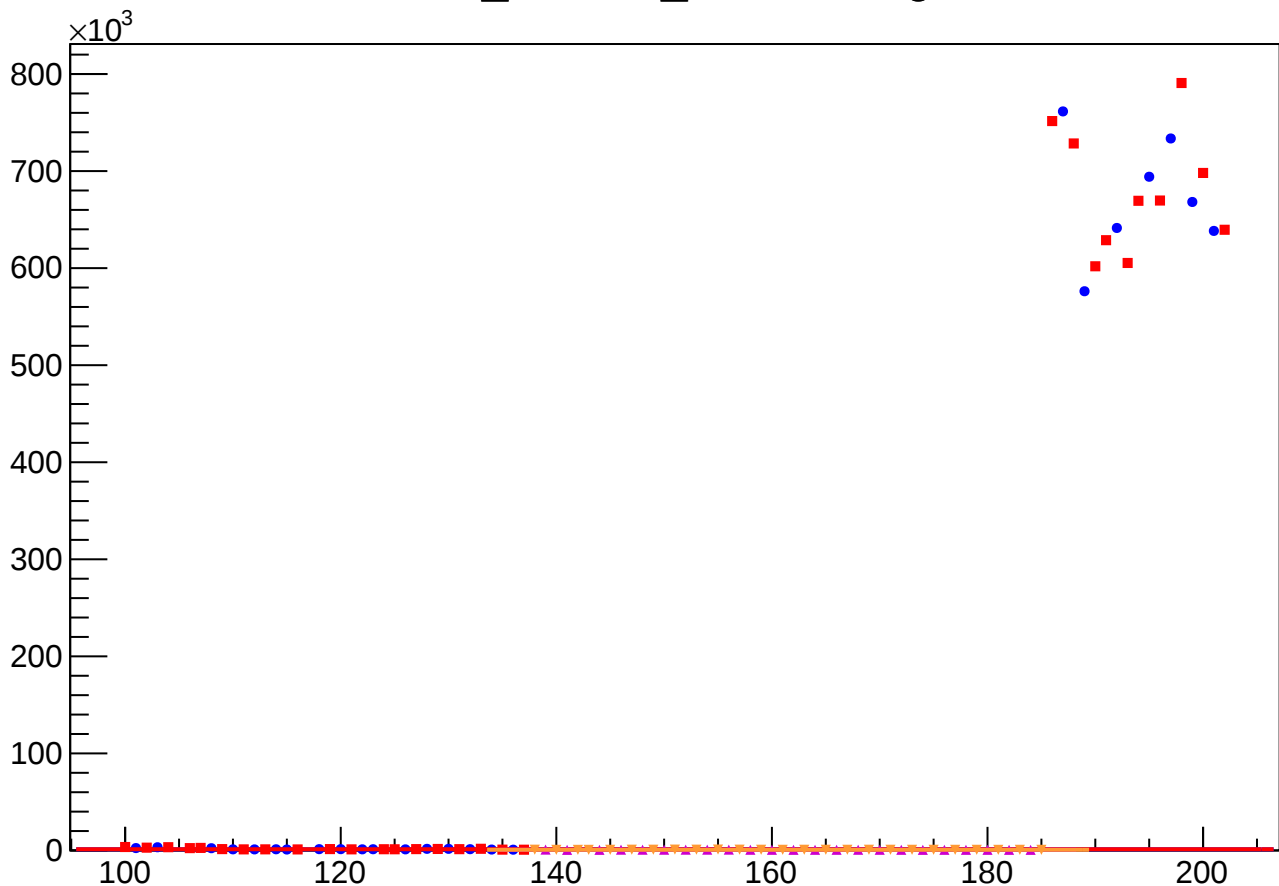
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 87.3/48

All: -0.438 ± 0.112 χ^2/NDF : 150.0/100

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

diff_cav4cX_rms vs Slug



Right In: 1168.764 $\pm$ 0.342 χ^2 /NDF: 10901246.9/23

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

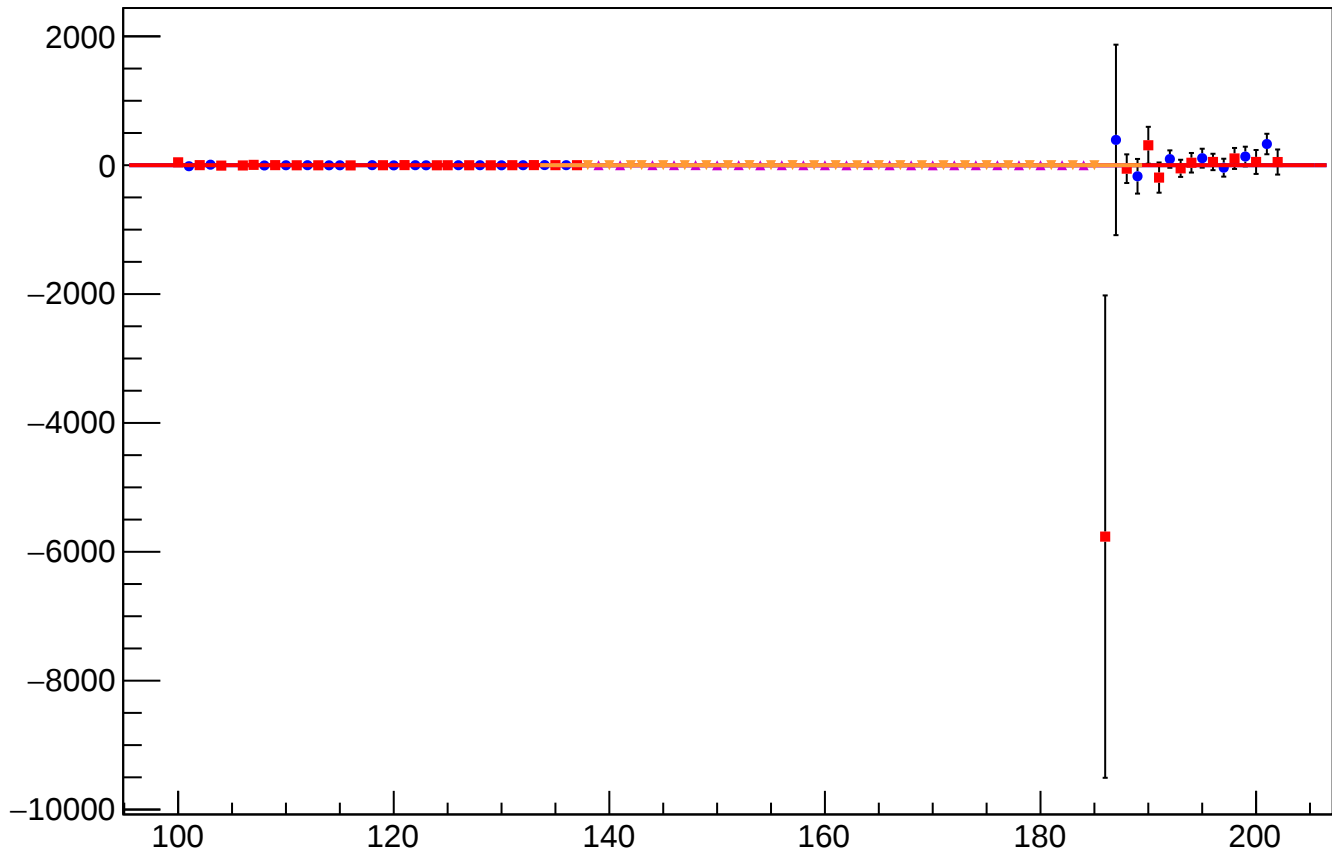
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF:332011.4/22

+ sign 749.622 $\pm$ 0.110 χ^2 /NDF: 12974136.8/48

All: 756.269 $\pm$ 0.079 χ^2 /NDF: 29558742.1/10

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

diff_cav4cY_mean vs Slug



Right In: -0.058 ± 0.269 χ^2/NDF : 25.8/23

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

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

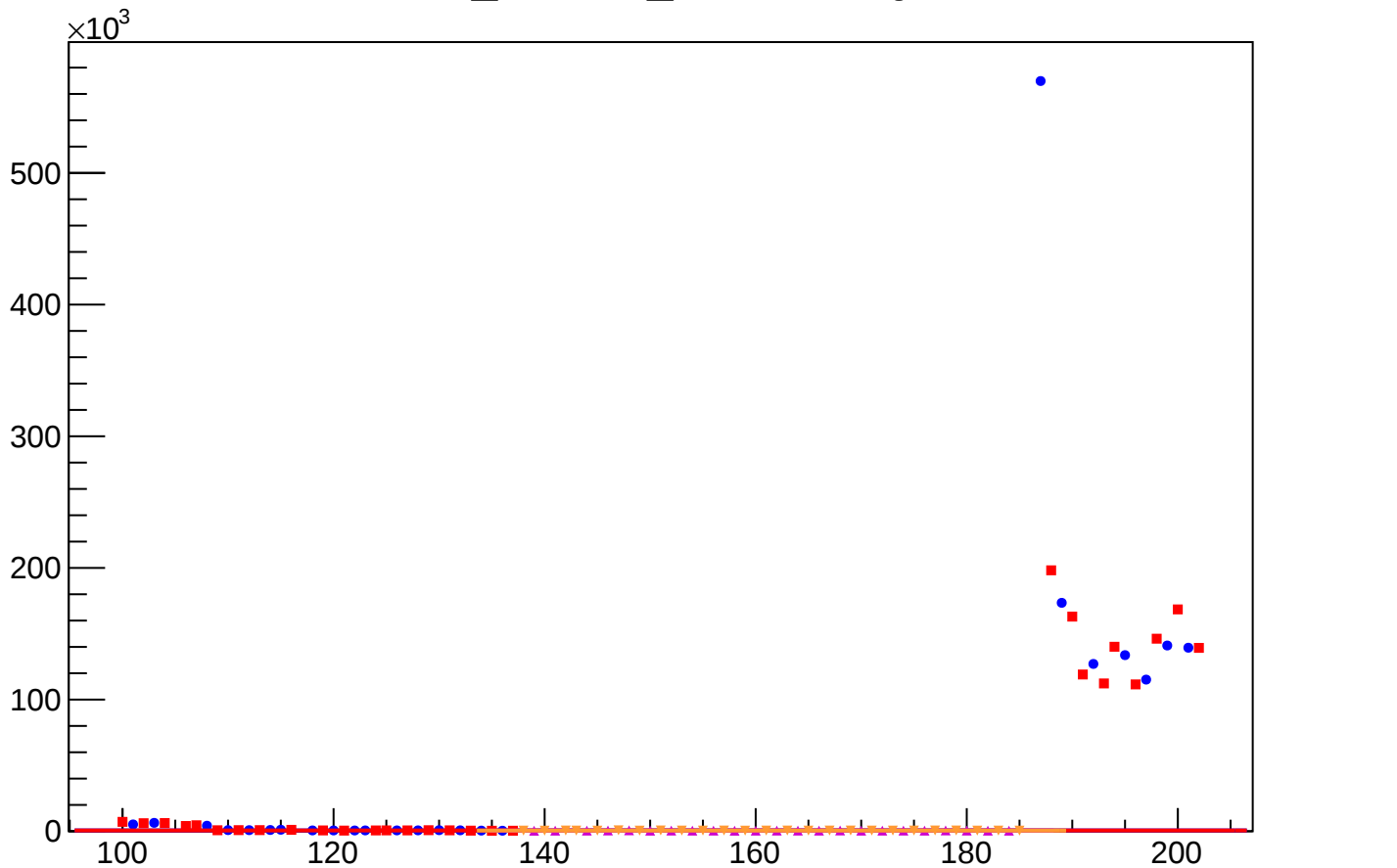
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.183 ± 0.112 χ^2/NDF : 44.7/48

All: 0.169 ± 0.080 χ^2/NDF : 105.7/100

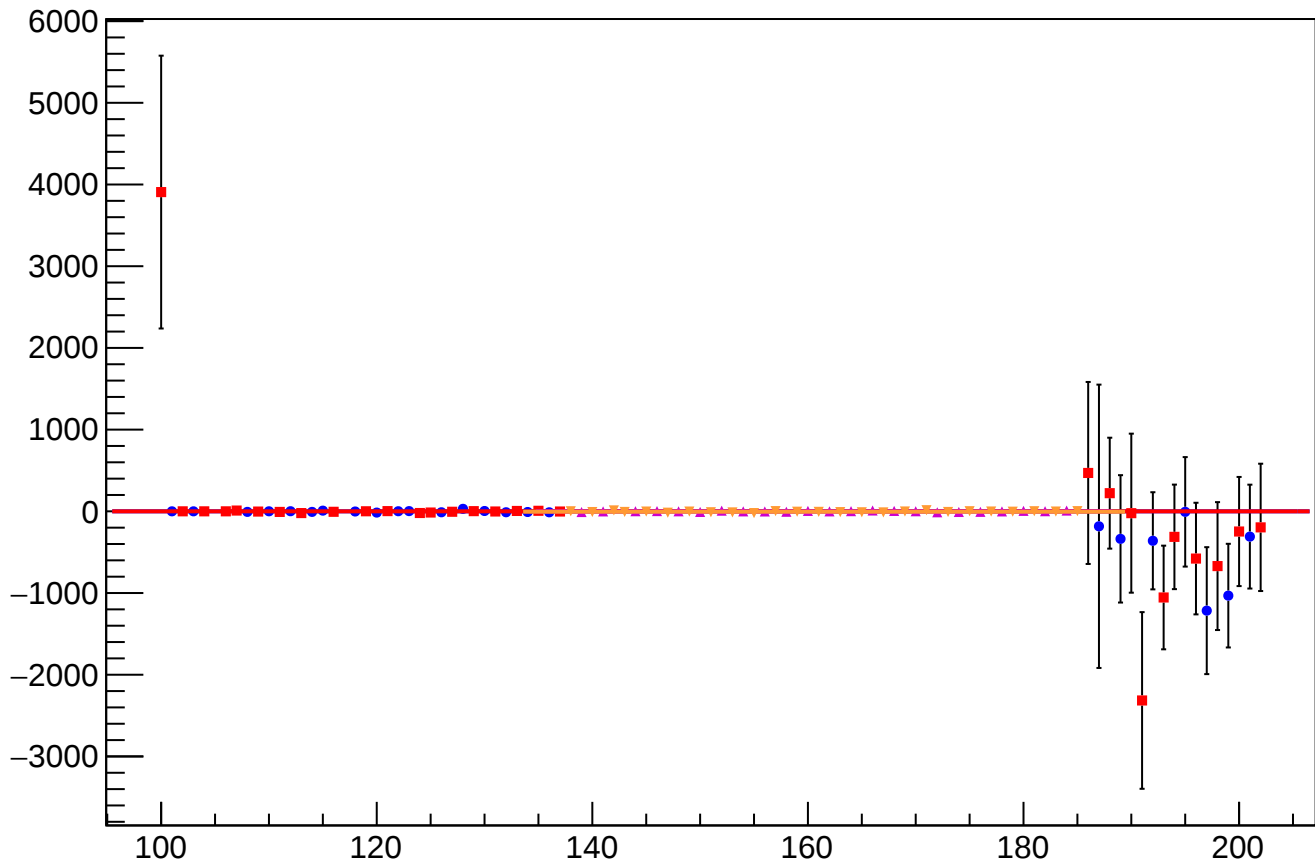
- sign 0.154 ± 0.114 χ^2/NDF : 60.9/51

diff_cav4cY_rms vs Slug



Right In: 611.787 $\pm$ 0.190	χ^2 /NDF: 12230348.0/23	+ sign 537.626 $\pm$ 0.079	χ^2 /NDF: 12744351.3/48
Left Out: 522.220 $\pm$ 0.087	χ^2 /NDF: 330405.3/24	All: 536.692 $\pm$ 0.056	χ^2 /NDF: 28480576.7/99
Right Out: 601.713 $\pm$ 0.187	χ^2 /NDF: 15155283.9/27	- sign 535.720 $\pm$ 0.081	χ^2 /NDF: 15735939.2/50
Left In: 520.700 $\pm$ 0.089	χ^2 /NDF: 427720.5/22		

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 21.9/23

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

Right Out: -0.027 ± 0.020 χ^2/NDF : 27.0/28

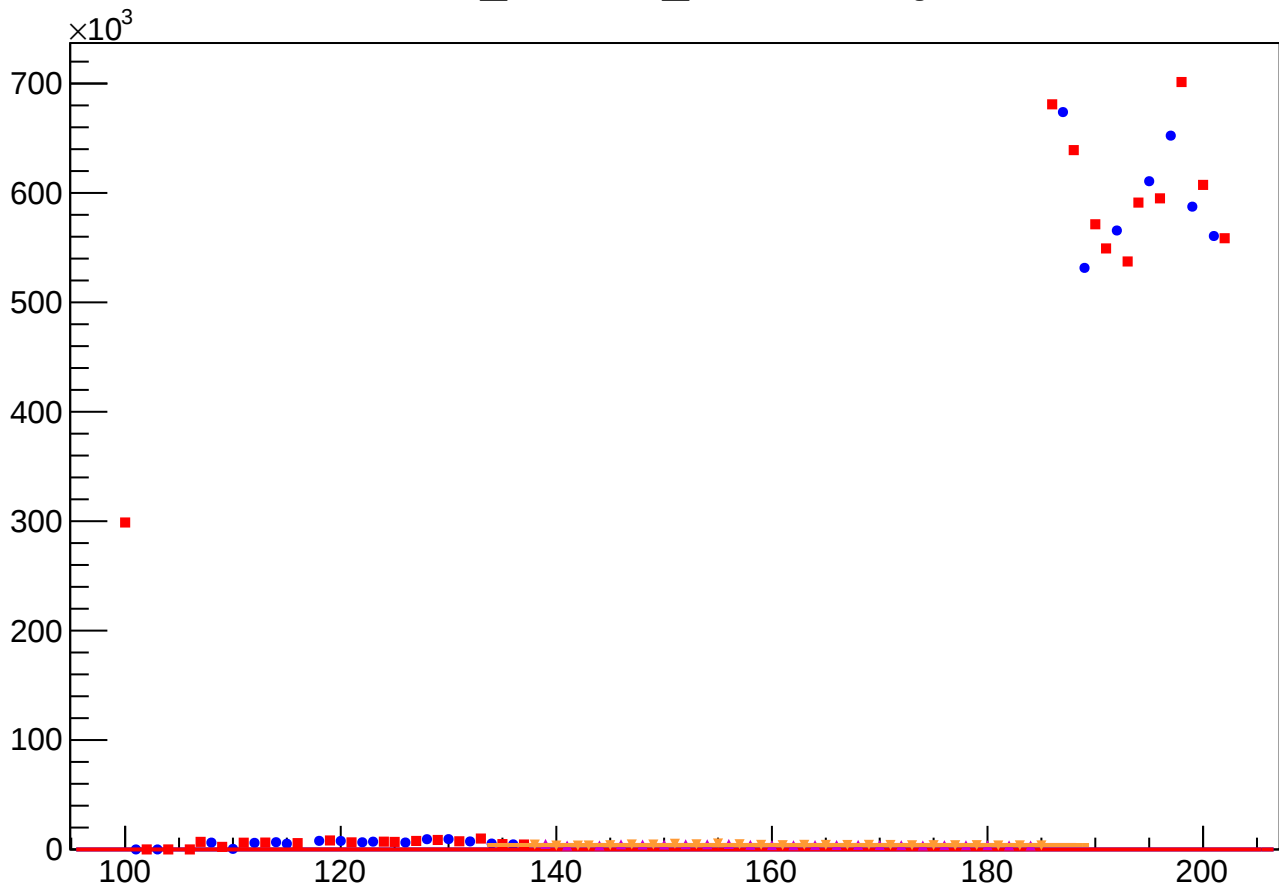
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 102.0/48

All: -0.025 ± 0.014 χ^2/NDF : 158.5/100

- sign -0.027 ± 0.020 χ^2/NDF : 56.5/51

diff_cav4dX_rms vs Slug



Right In: 17.343 ± 0.015 $\chi^2/\text{NDF}: 19842090.3/23$

Left Out: 4075.147 ± 0.677 $\chi^2/\text{NDF}: 417511.0/24$

Right Out: 17.272 ± 0.014 $\chi^2/\text{NDF}: 23418492.1/28$

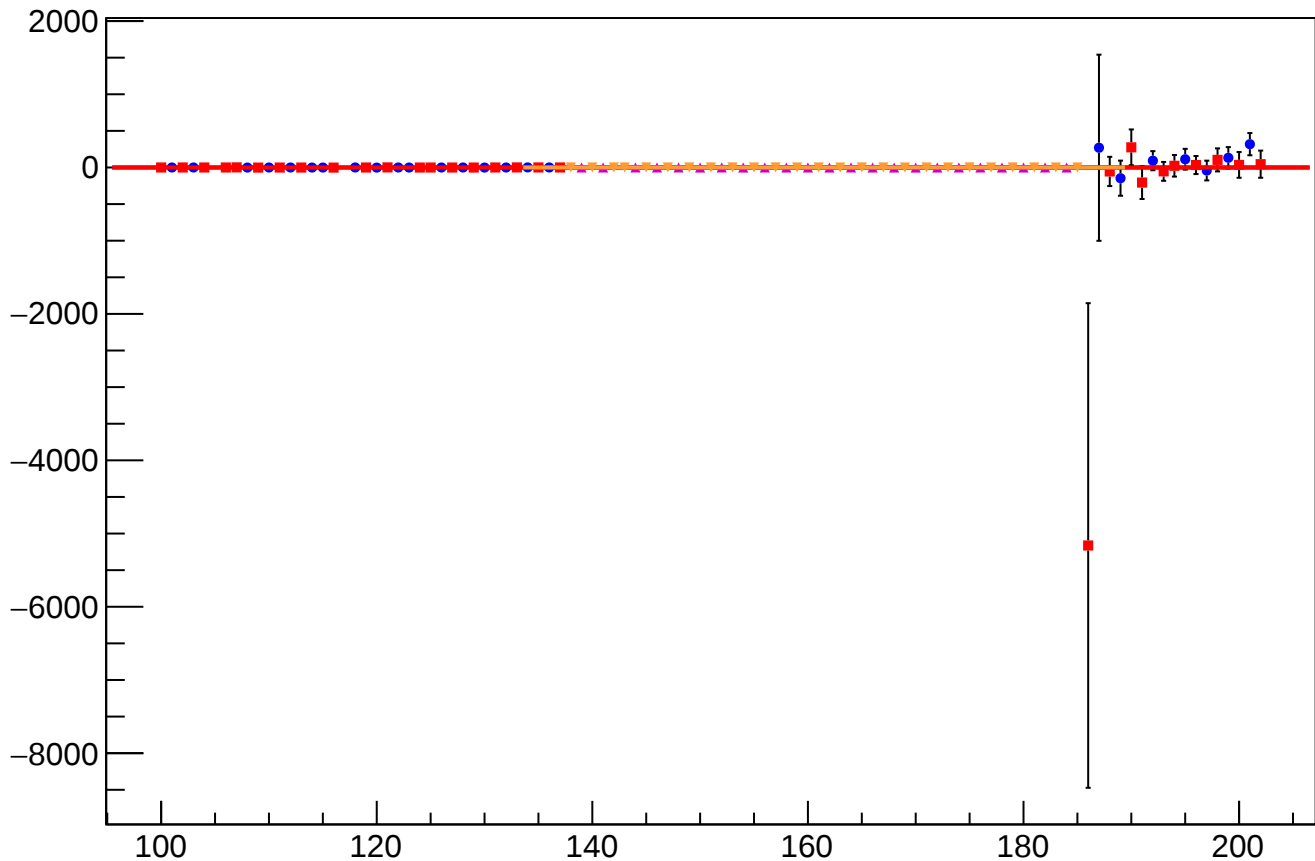
Left In: 4113.993 ± 0.703 $\chi^2/\text{NDF}: 349160.6/22$

+ sign 19.257 ± 0.015 $\chi^2/\text{NDF}: 56192197.9/48$

All: 19.066 ± 0.010 $\chi^2/\text{NDF}: 113916089.5/100$

- sign 18.892 ± 0.014 $\chi^2/\text{NDF}: 57723568.3/51$

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 20.5/23

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

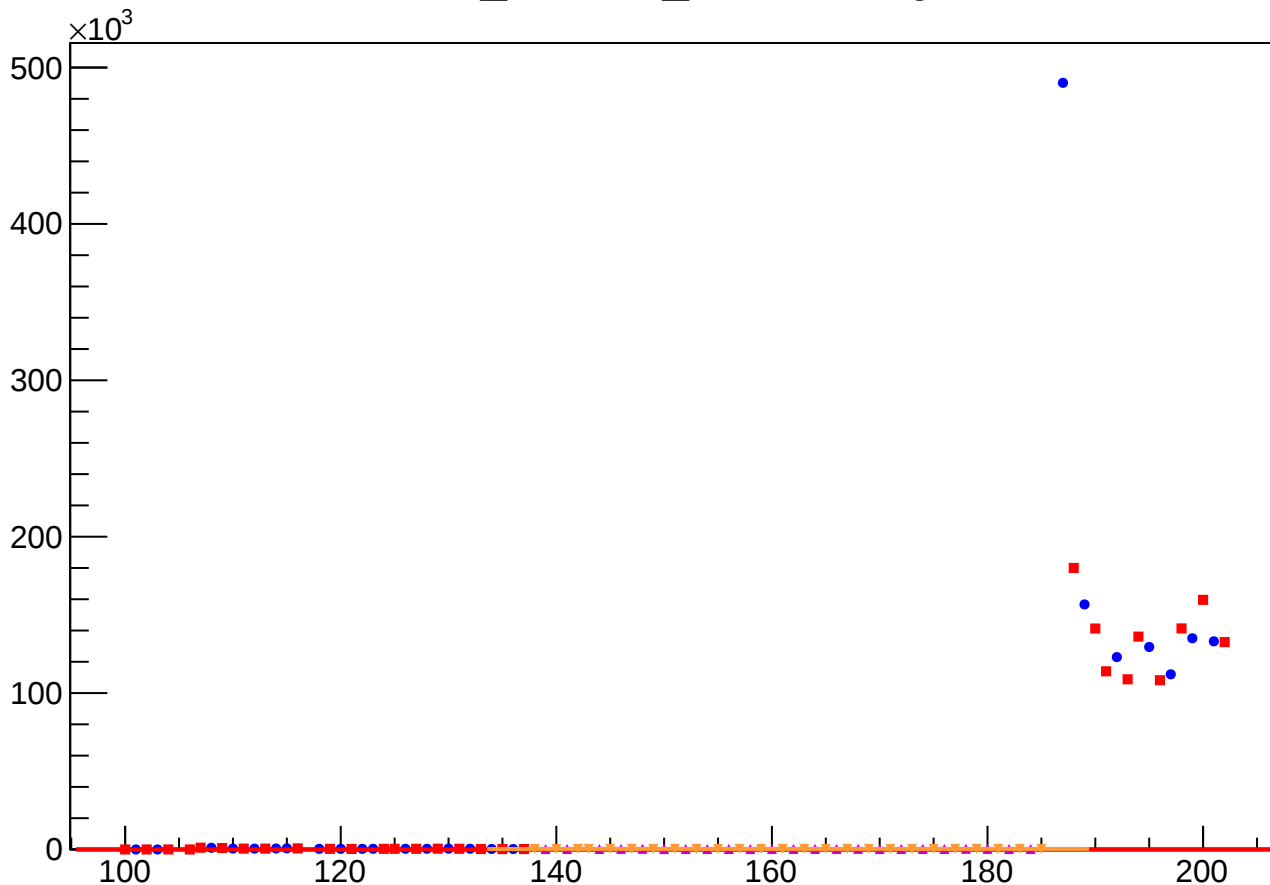
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF: 34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 41.5/48

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 100.8/100

- 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 : 20211472.5/23

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

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

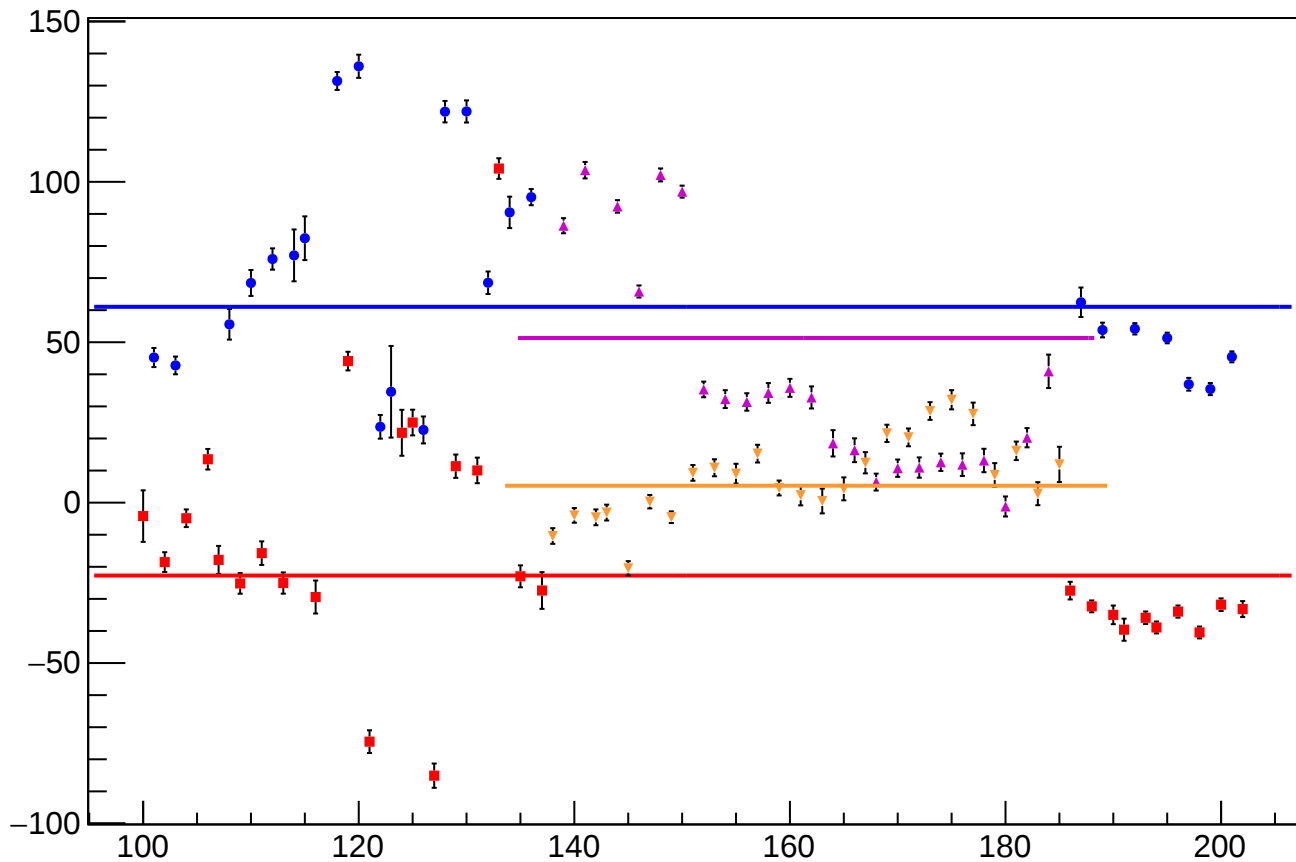
Left In: 325.626 ± 0.056 χ^2/NDF : 413350.0/22

+ sign 1.926 ± 0.001 χ^2/NDF : 56423349.4/48

All: 1.925 ± 0.001 χ^2/NDF : 113018752.2/99

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

diff_bpm0i01X_mean vs Slug



Right In: 61.042 ± 0.572 χ^2/NDF : 2707.2/23

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

Right Out: -22.726 ± 0.529 χ^2/NDF : 3464.2/28

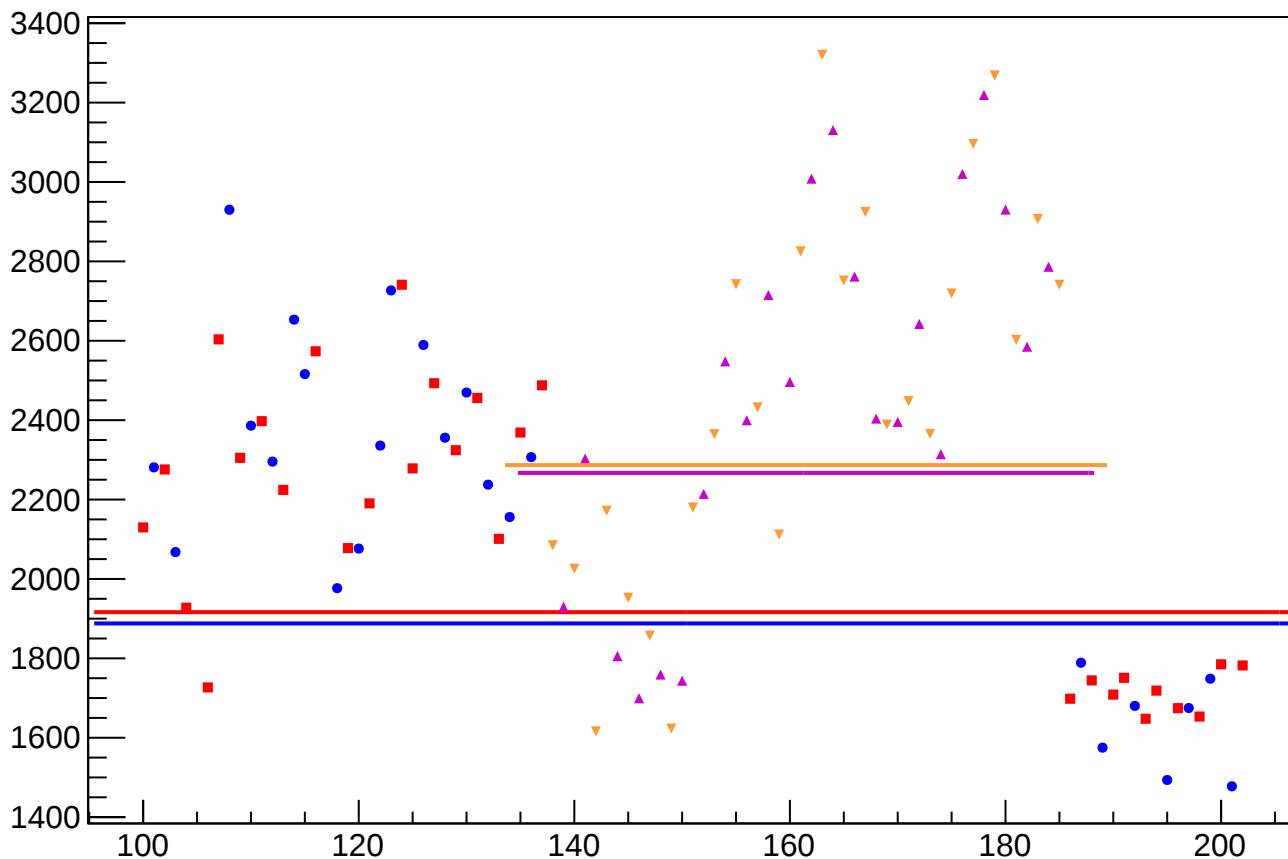
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 31.790 ± 0.394 χ^2/NDF : 8256.4/48

All: 21.786 ± 0.275 χ^2/NDF : 26506.7/100

- sign 12.292 ± 0.384 χ^2/NDF : 16994.5/51

diff_bpm0i01X_rms vs Slug



Right In: 1887.946 $\pm$ 0.404 χ^2 /NDF: 837862.2/23

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

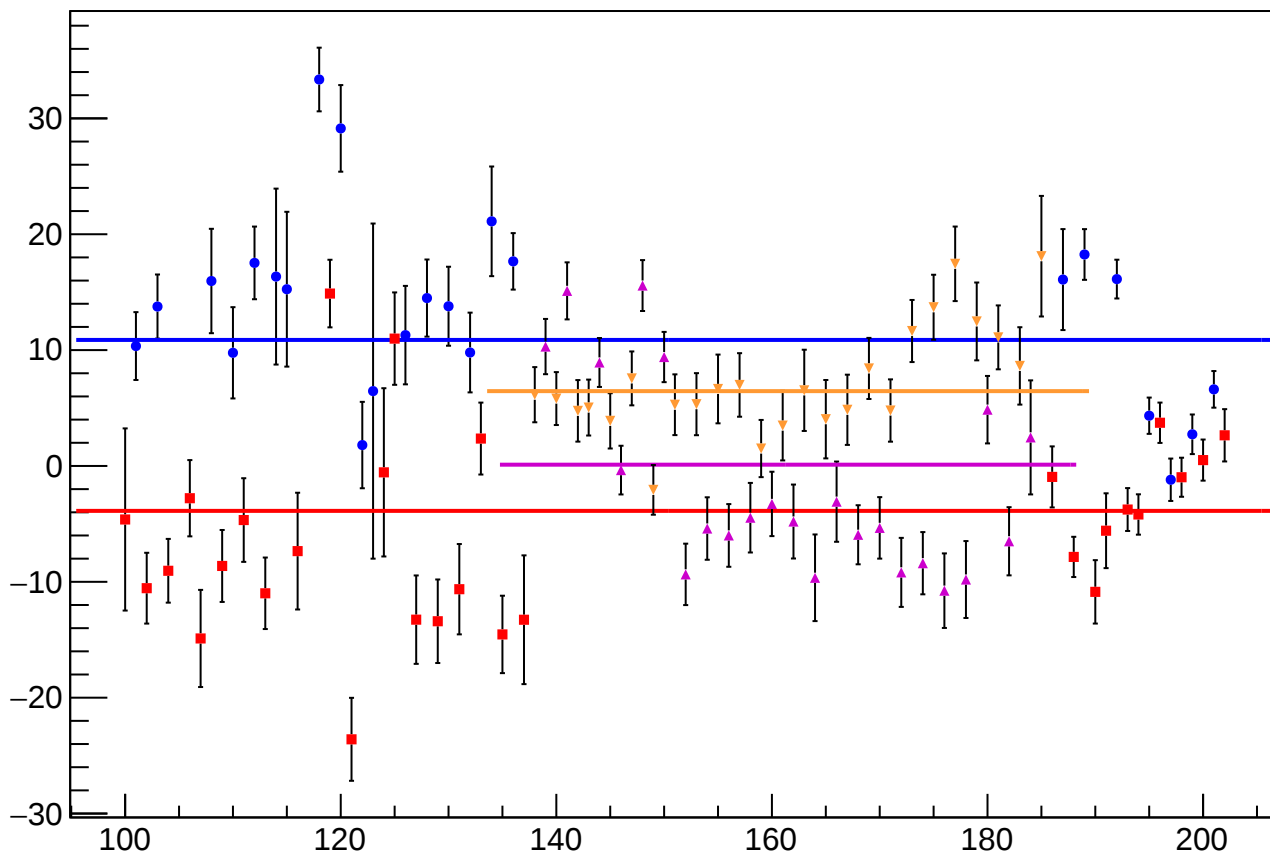
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2097.201 $\pm$ 0.279 χ^2 /NDF: 2709378.2/48

All: 2089.519 $\pm$ 0.194 χ^2 /NDF: 5062682.2/10

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

diff_bpm0i01Y_mean vs Slug



Right In: 10.878 ± 0.544 $\chi^2/\text{NDF}: 232.7/23$

Left Out: 6.458 ± 0.548 $\chi^2/\text{NDF}: 58.7/24$

Right Out: -3.876 ± 0.502 $\chi^2/\text{NDF}: 192.3/28$

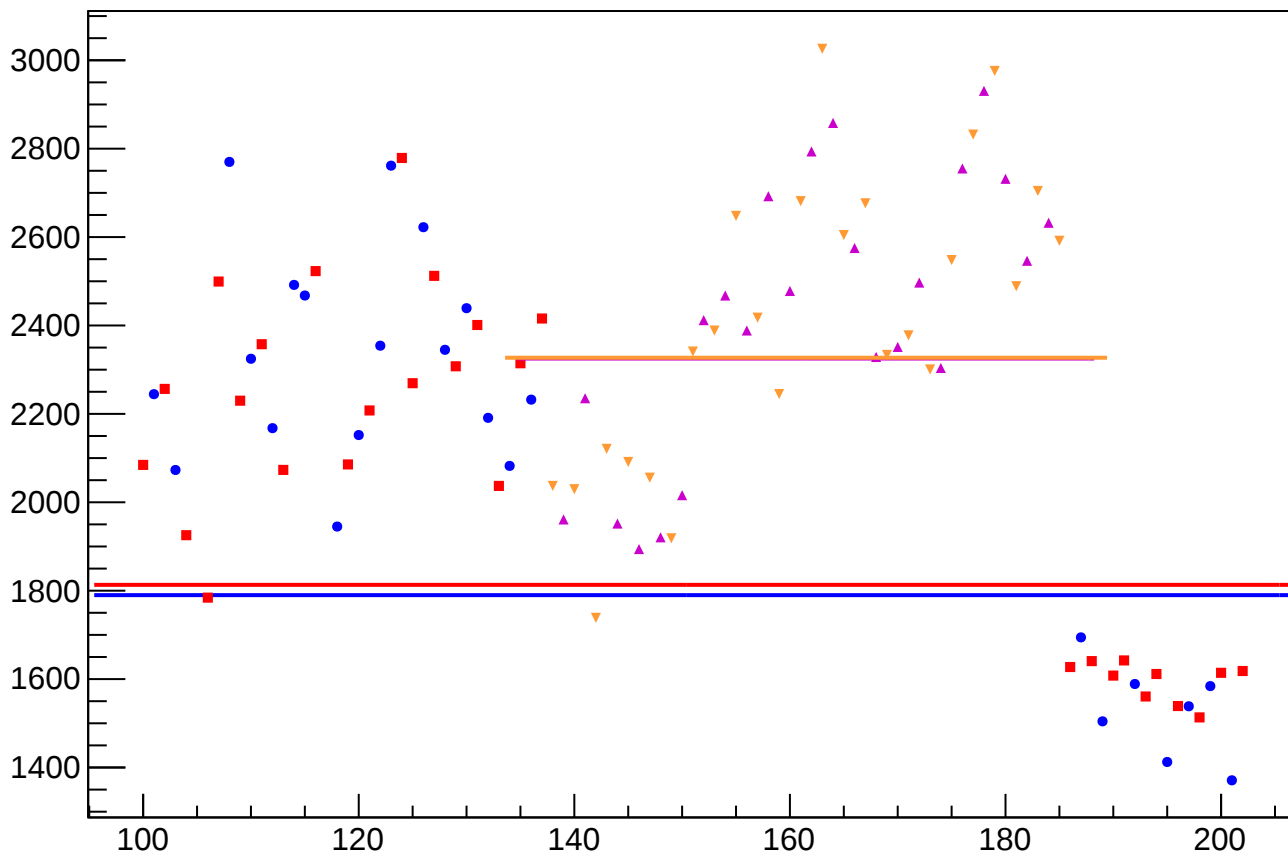
Left In: 0.110 ± 0.565 $\chi^2/\text{NDF}: 234.6/22$

+ sign 8.683 ± 0.386 $\chi^2/\text{NDF}: 324.3/48$

All: 3.133 ± 0.269 $\chi^2/\text{NDF}: 1181.4/100$

- sign -2.118 ± 0.375 $\chi^2/\text{NDF}: 454.6/51$

diff_bpm0i01Y_rms vs Slug



Right In: 1789.952 $\pm$ 0.385 χ^2 /NDF: 1040359.5/23

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

Right Out: 1813.215 $\pm$ 0.355 χ^2 /NDF: 833046.5/28

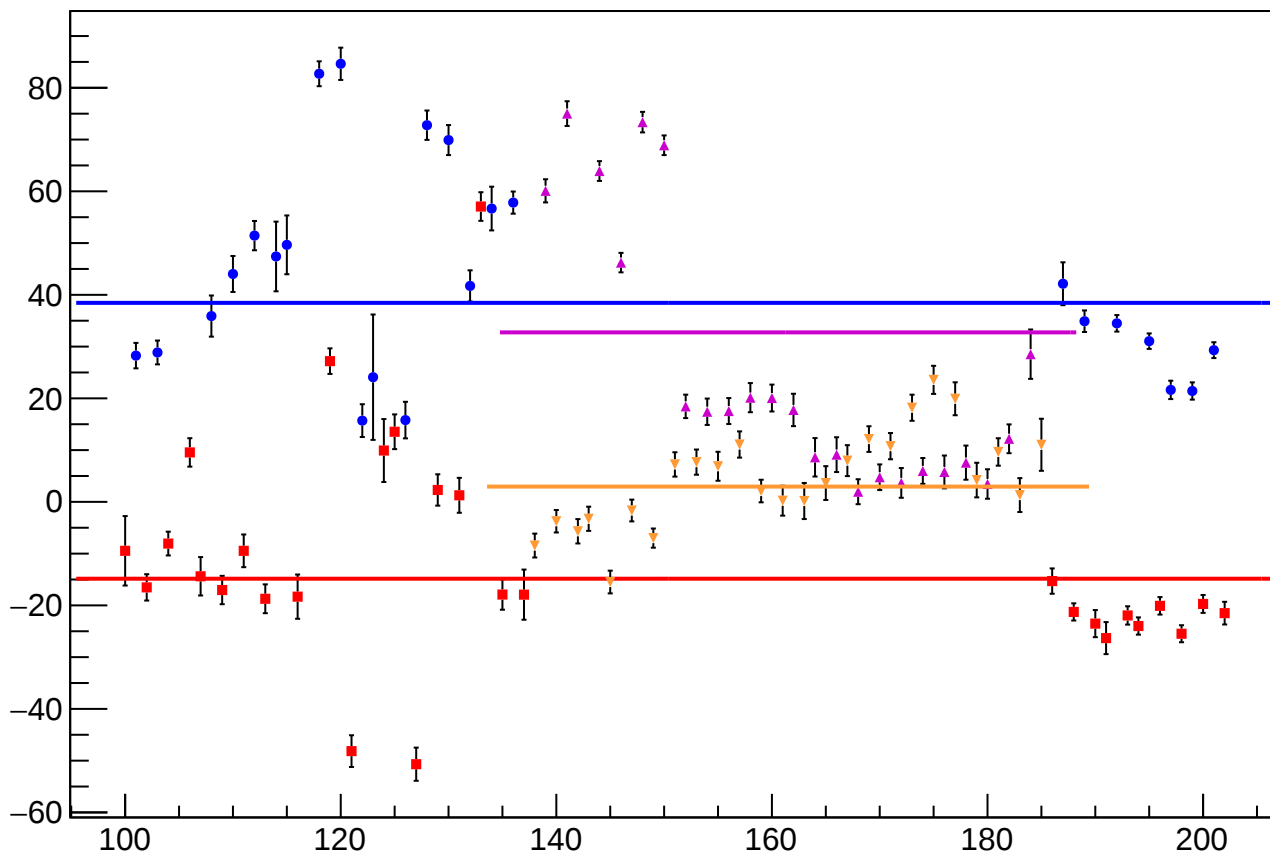
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 2056.710 $\pm$ 0.273 χ^2 /NDF: 2655603.6/48

All: 2047.635 $\pm$ 0.190 χ^2 /NDF: 5018780.2/10

- sign 2039.049 $\pm$ 0.265 χ^2 /NDF: 2361024.0/51

diff_bpm0i01aX_mean vs Slug



Right In: 38.451 ± 0.500 χ^2/NDF : 1346.8/23

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

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

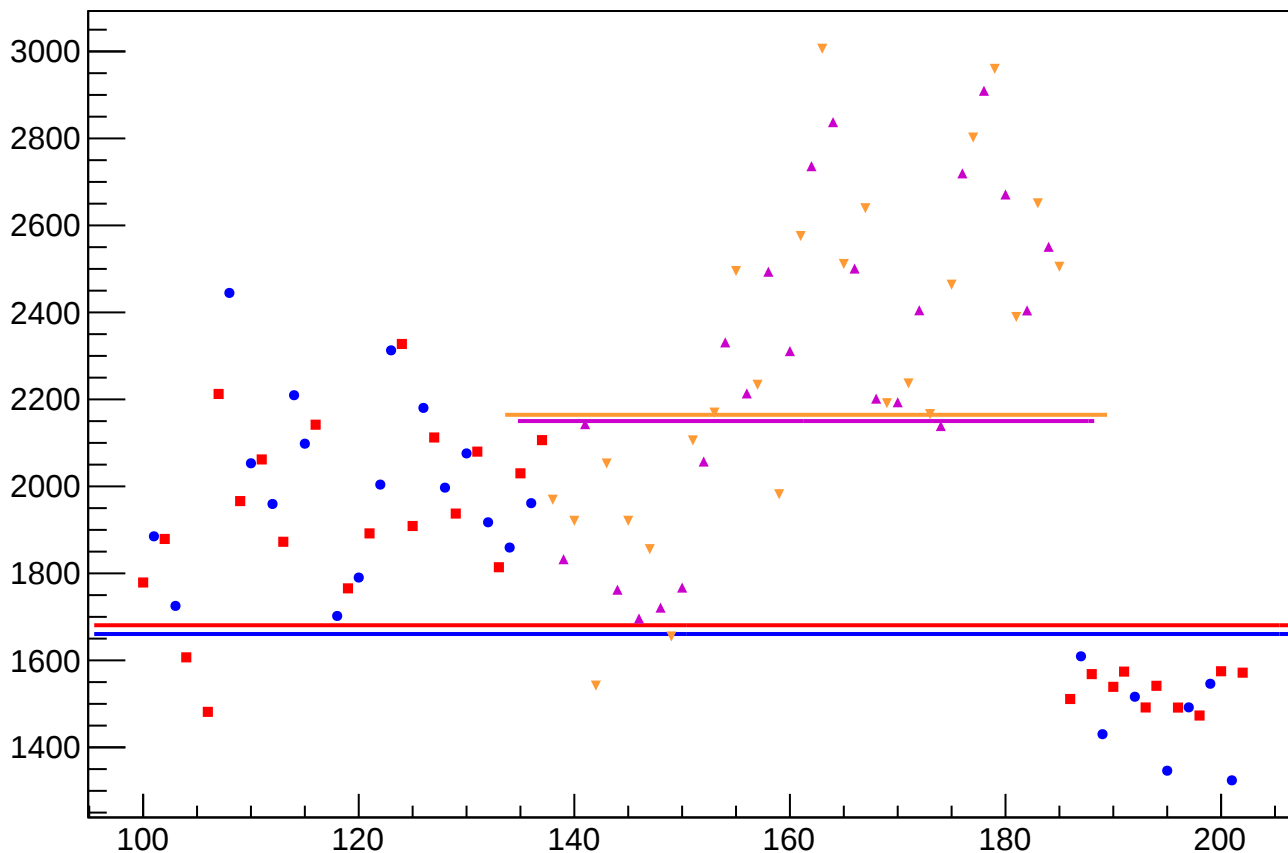
Left In: 32.745 ± 0.526 χ^2/NDF : 2632.5/22

+ sign 21.120 ± 0.358 χ^2/NDF : 4145.6/48

All: 13.277 ± 0.249 χ^2/NDF : 13933.0/100

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

diff_bpm0i01aX_rms vs Slug



Right In: 1660.561 $\pm$ 0.354 χ^2 /NDF: 627017.1/23

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

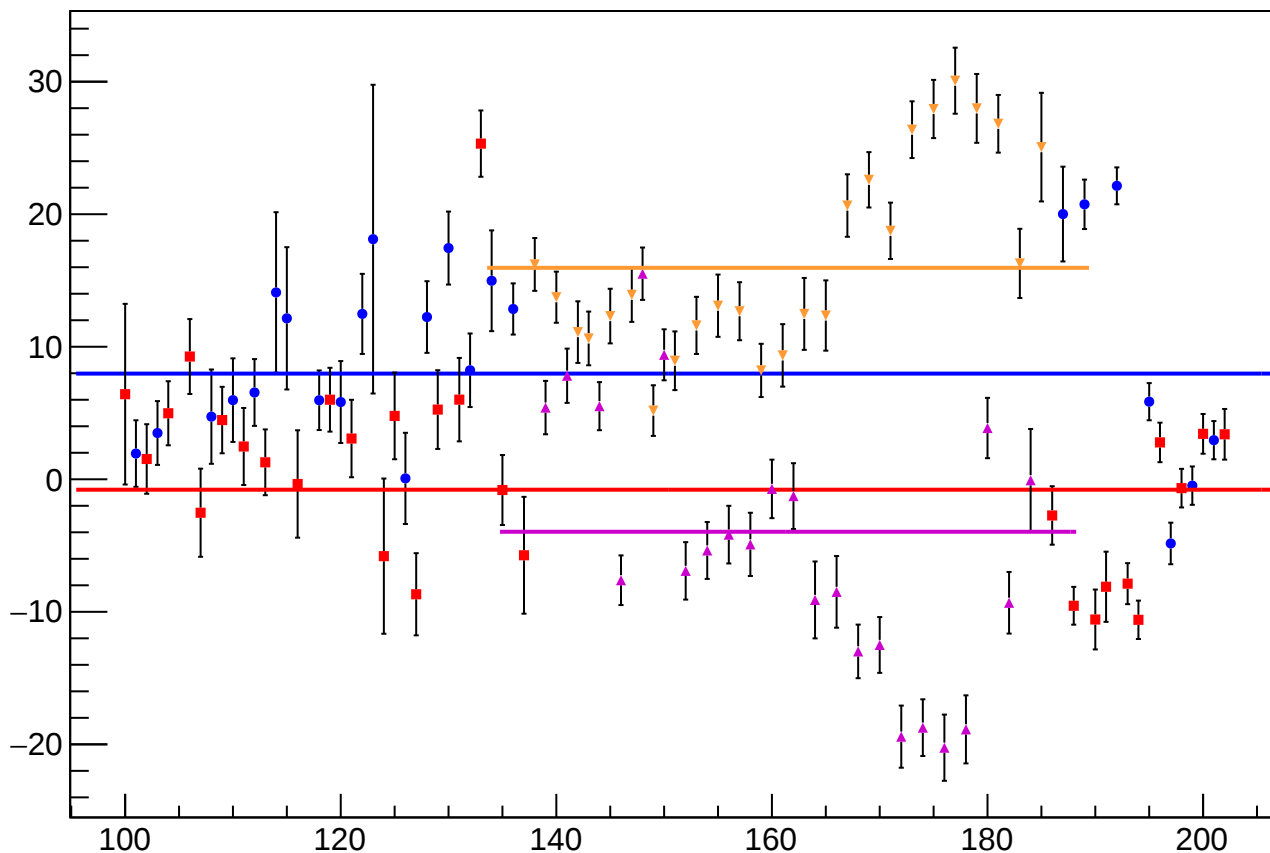
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF: 911849.7/22

+ sign 1906.617 $\pm$ 0.253 χ^2 /NDF: 2584830.6/48

All: 1895.608 $\pm$ 0.176 χ^2 /NDF: 4852924.4/10

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

diff_bpm0i01aY_mean vs Slug



Right In: 7.974 ± 0.460 $\chi^2/\text{NDF}: 323.0/23$

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

Right Out: -0.786 ± 0.418 $\chi^2/\text{NDF}: 316.0/28$

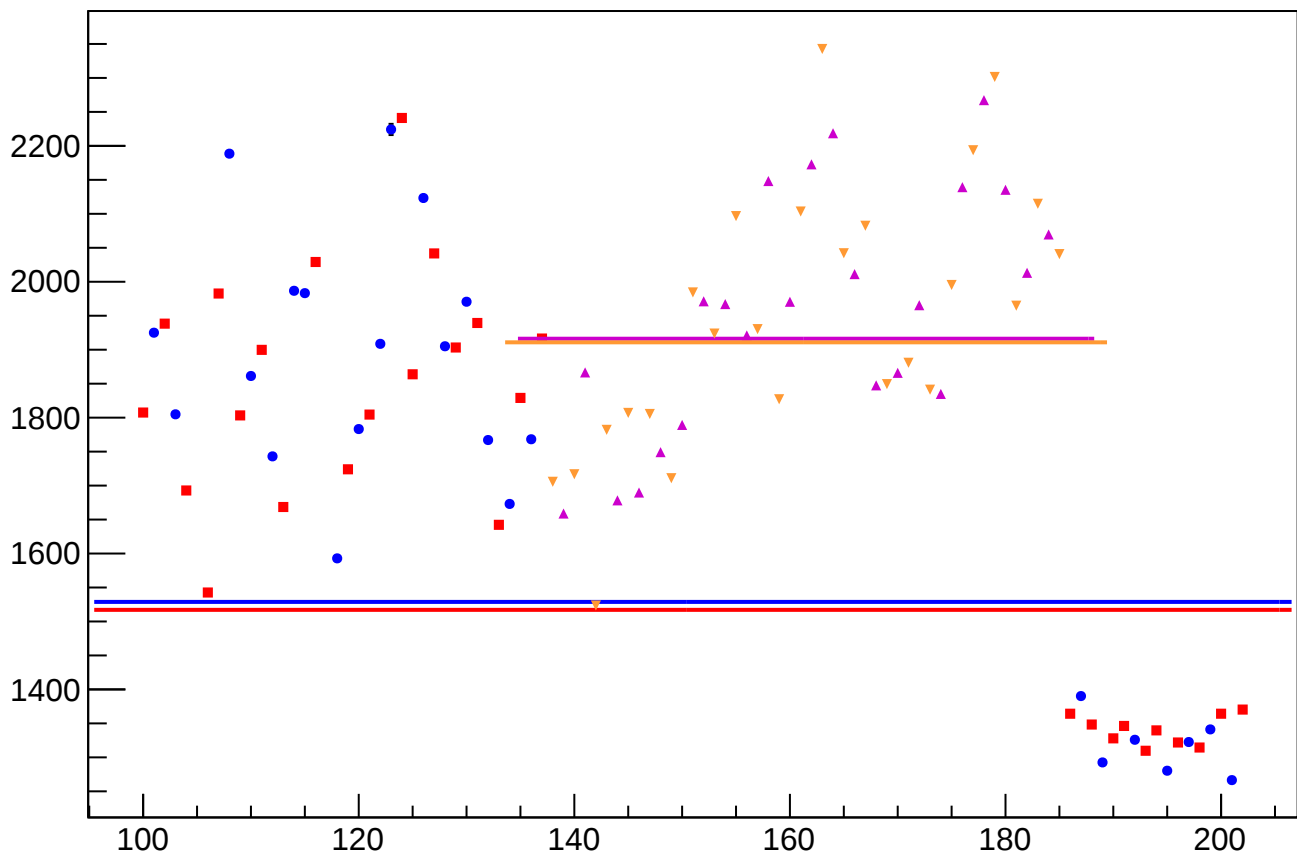
Left In: -3.960 ± 0.463 $\chi^2/\text{NDF}: 464.9/22$

+ sign 12.076 ± 0.321 $\chi^2/\text{NDF}: 722.9/48$

All: 4.697 ± 0.223 $\chi^2/\text{NDF}: 2554.7/100$

- sign -2.214 ± 0.310 $\chi^2/\text{NDF}: 806.8/51$

diff_bpm0i01aY_rms vs Slug



Right In: 1528.805 $\pm$ 0.325 χ^2 /NDF: 734252.2/23

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

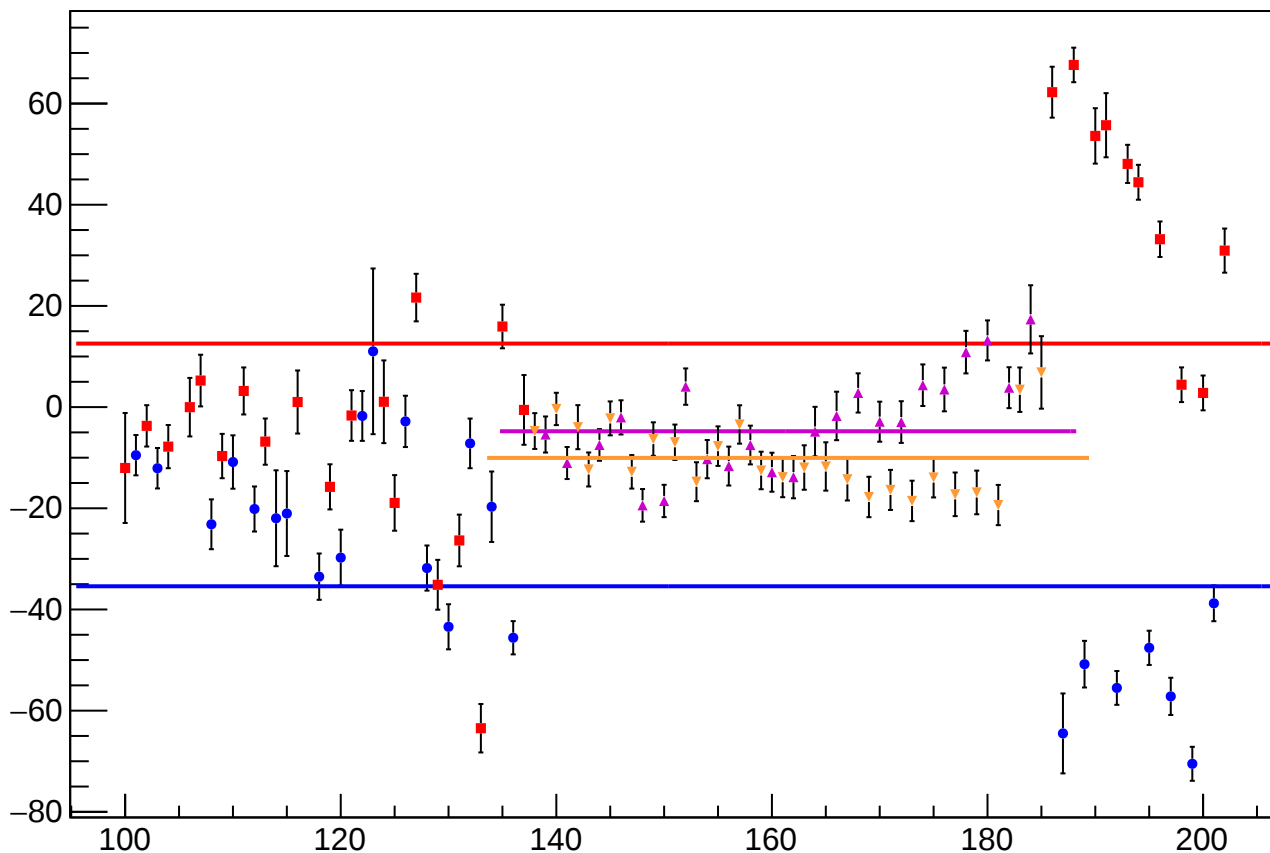
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF:274285.3/22

+ sign 1725.157 $\pm$ 0.227 χ^2 /NDF: 1772092.2/48

All: 1710.409 $\pm$ 0.158 χ^2 /NDF: 3573017.8/10

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

diff_bpm0l01X_mean vs Slug



Right In: -35.415 ± 0.920 χ^2/NDF : 488.9/23

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

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

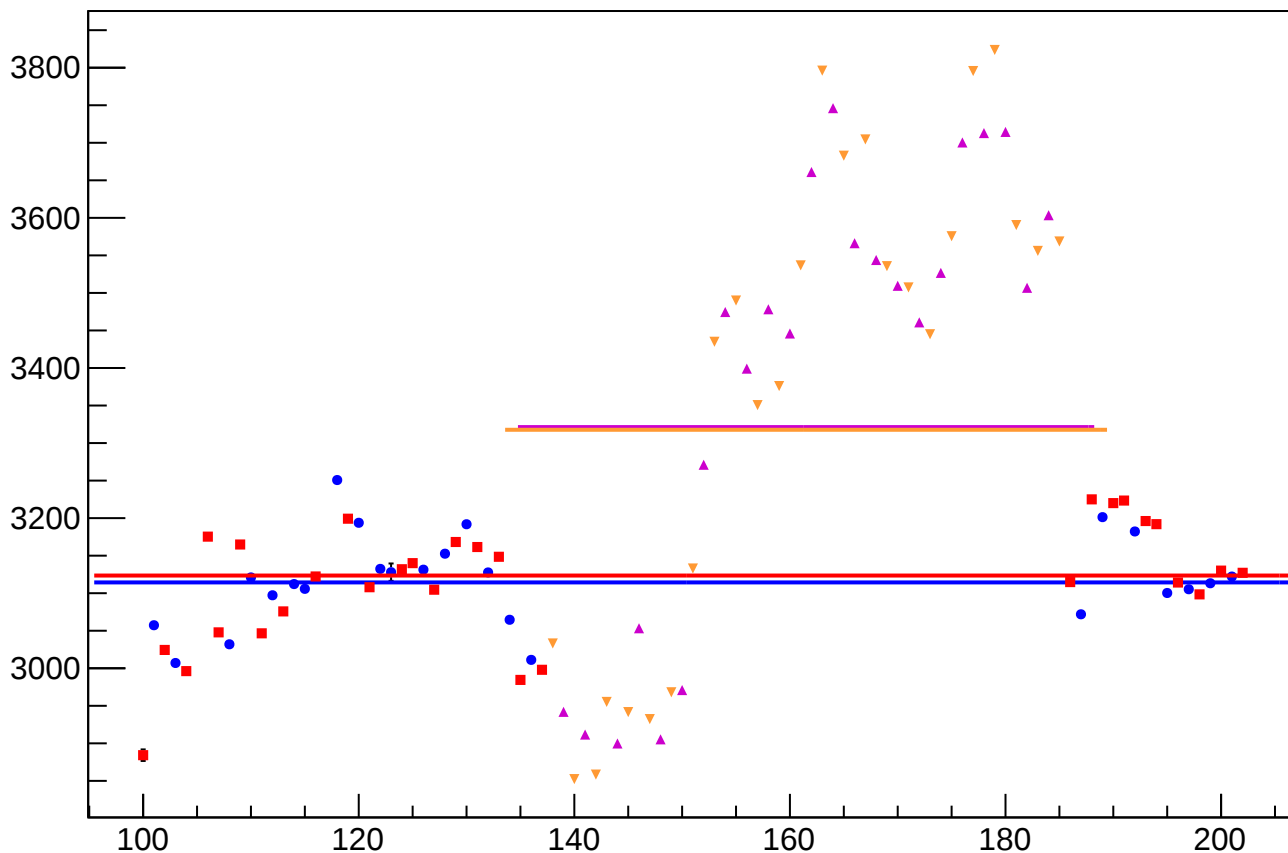
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -20.591 ± 0.593 χ^2/NDF : 1000.1/48

All: -8.383 ± 0.416 χ^2/NDF : 3477.2/100

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

diff_bpm0l01X_rms vs Slug



Right In: 3114.368 $\pm$ 0.651 χ^2 /NDF: 9178.2/23

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

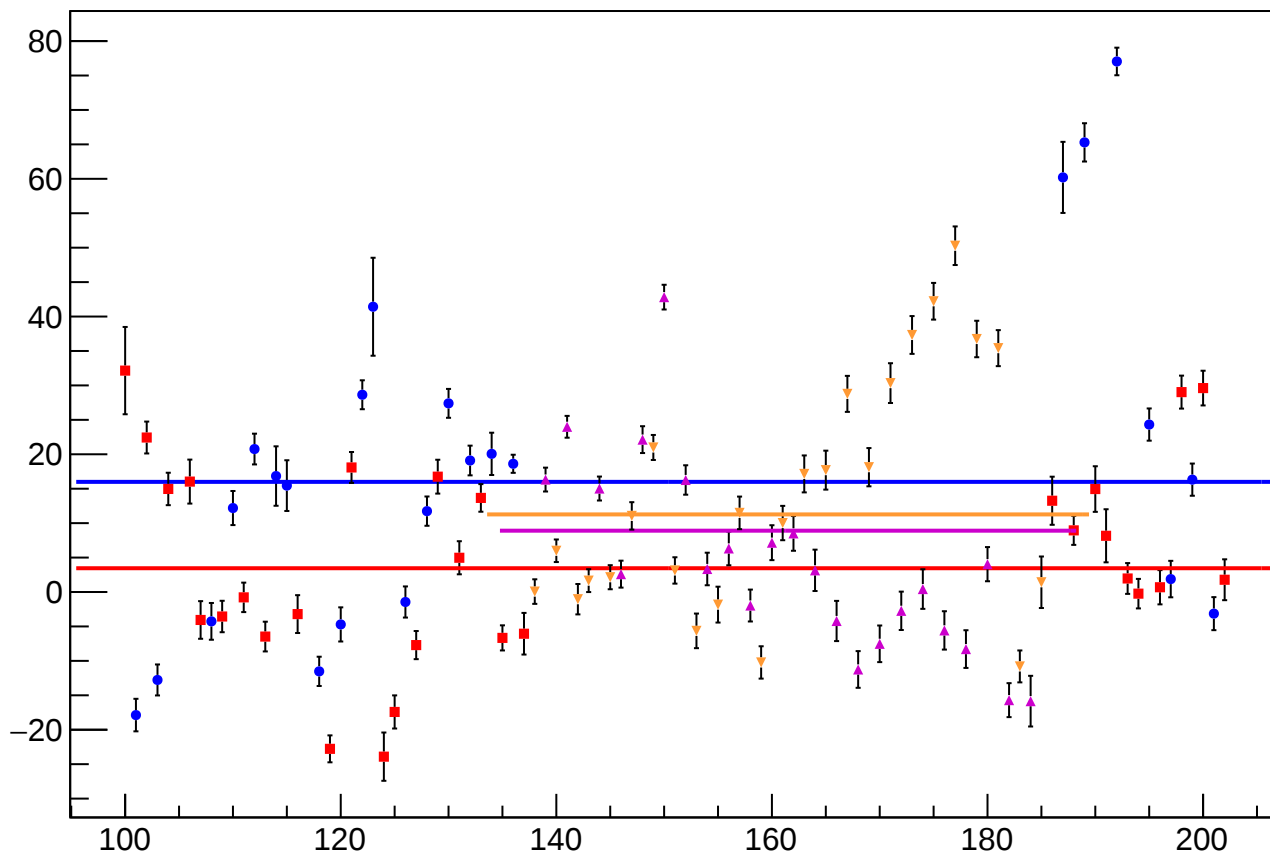
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF:284334.2/22

+ sign 3233.161 $\pm$ 0.420 χ^2 /NDF: 403095.6/48

All: 3230.656 $\pm$ 0.294 χ^2 /NDF: 758667.6/100

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

diff_bpm0l01Y_mean vs Slug



Right In: 15.994 $\pm$ 0.483 χ^2 /NDF: 2242.2/23

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

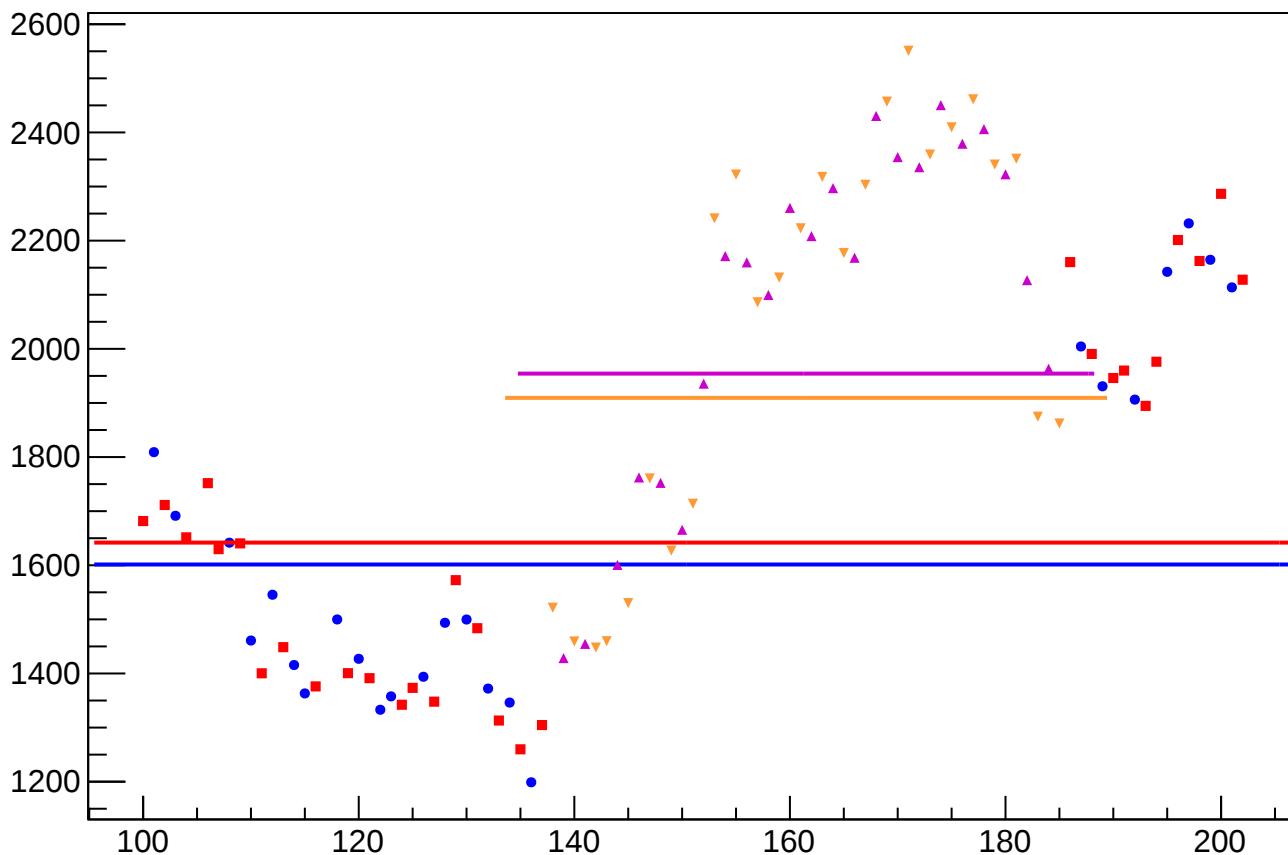
Left In: 8.905 $\pm$ 0.478 χ^2 /NDF:936.3/22

+ sign 13.485 $\pm$ 0.331 χ^2 /NDF: 3434.8/48

All: 9.750 $\pm$ 0.234 χ^2 /NDF: 5607.4/100

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

diff_bpm0l01Y_rms vs Slug



Right In: 1601.419 $\pm$ 0.342 χ^2 /NDF: 853729.4/23

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

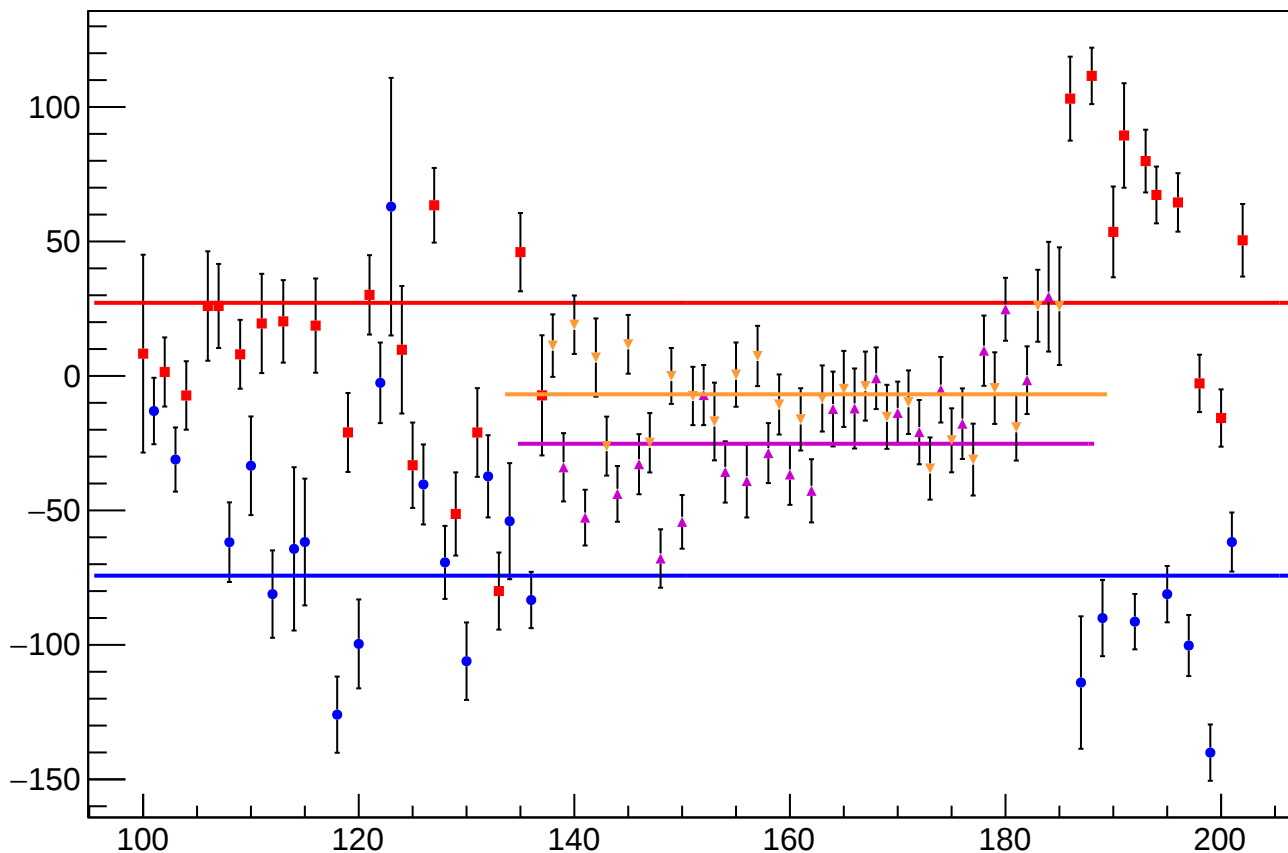
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1764.878 $\pm$ 0.234 χ^2 /NDF: 2683376.0/48

All: 1777.826 $\pm$ 0.165 χ^2 /NDF: 5143814.2/10

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

diff_bpm0l02X_mean vs Slug



Right In: -74.262 ± 2.863 $\chi^2/\text{NDF}: 161.5/23$

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

Right Out: 27.194 ± 2.646 $\chi^2/\text{NDF}: 316.1/28$

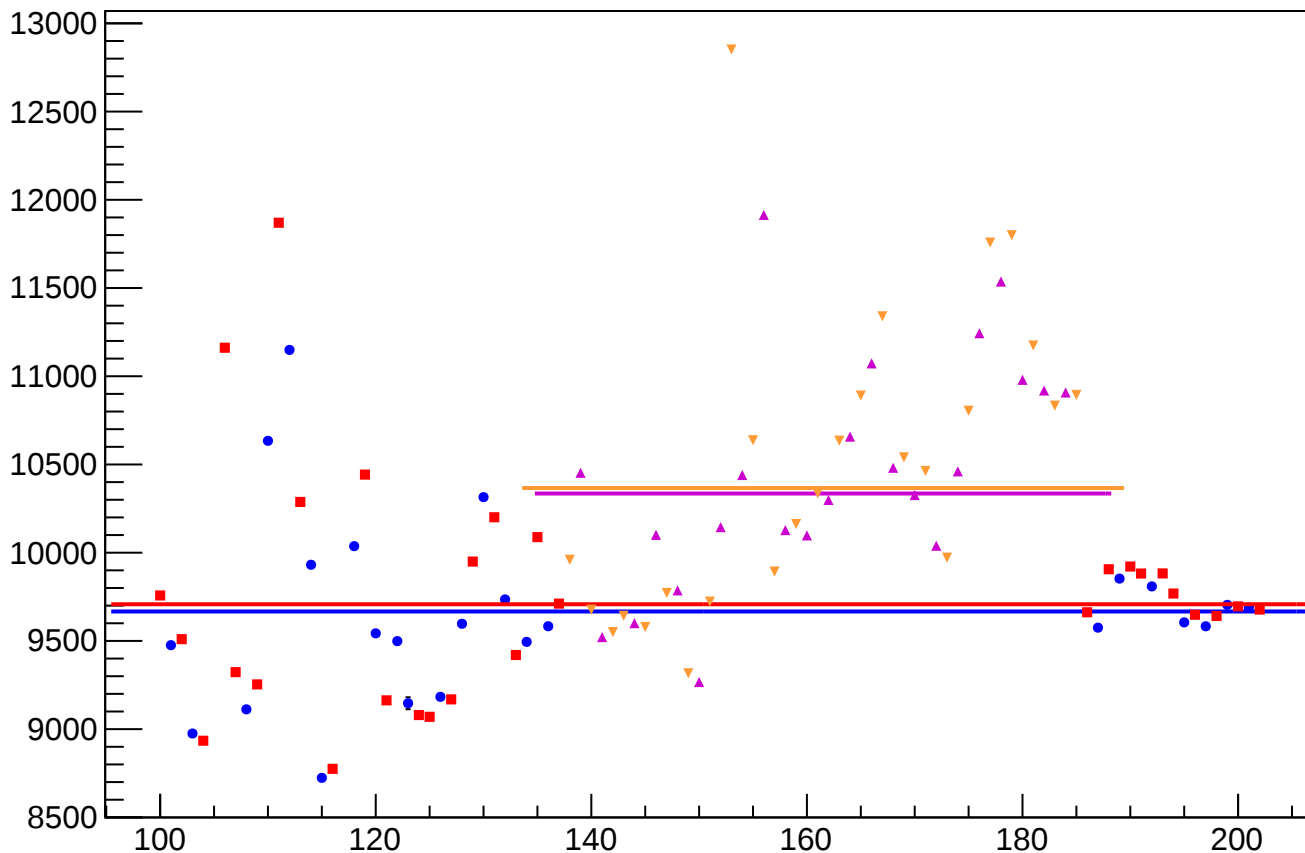
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -34.960 ± 1.849 $\chi^2/\text{NDF}: 527.1/48$

All: -17.446 ± 1.294 $\chi^2/\text{NDF}: 1316.6/100$

- sign -0.634 ± 1.812 $\chi^2/\text{NDF}: 613.7/51$

diff_bpm0l02X_rms vs Slug



Right In: 9666.886+/-2.025 χ^2/NDF : 45020.7/23

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

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

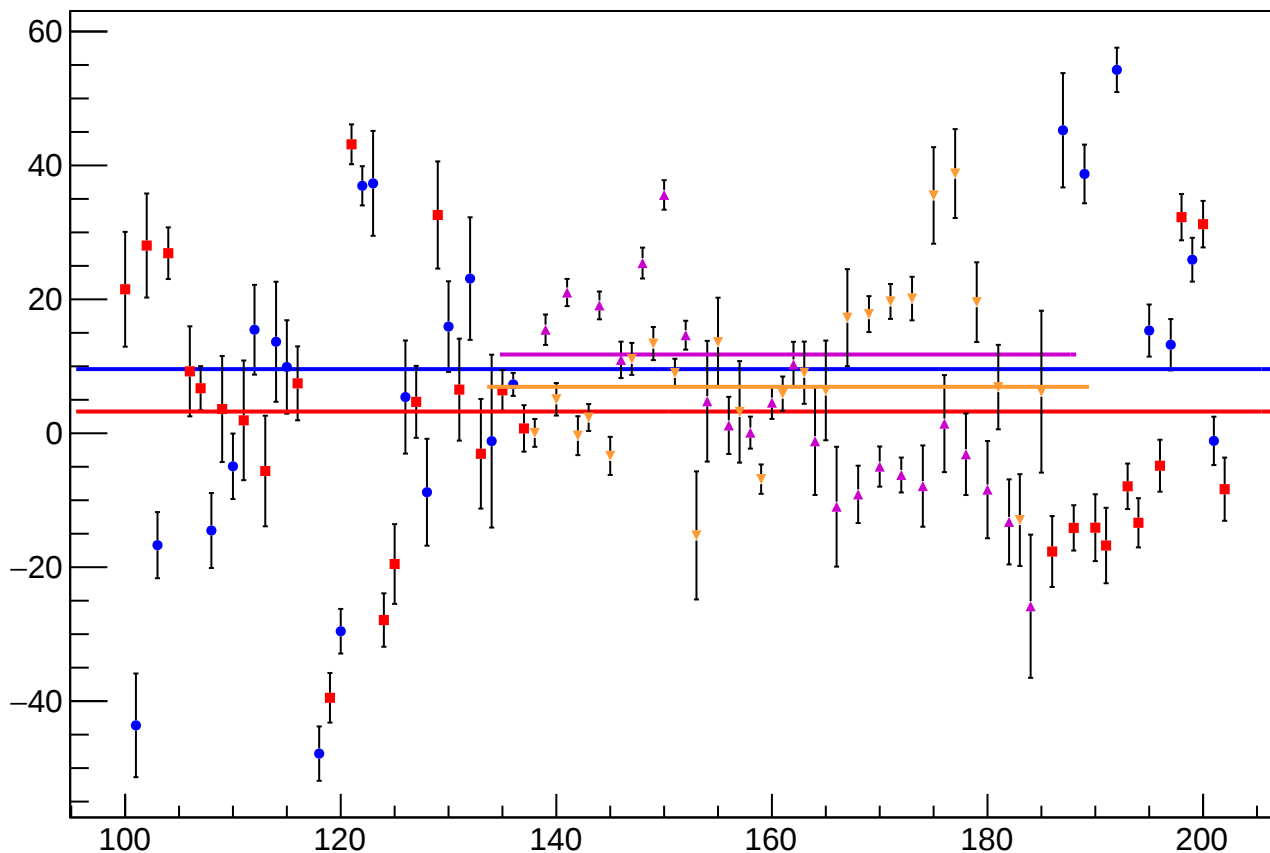
Left In: 10335.399+/-1.758 χ^2/NDF : 127173.0/22

+ sign 10074.637+/-1.308 χ^2/NDF : 326021.9/48

All: 10057.500+/-0.915 χ^2/NDF : 592776.9/10

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

diff_bpm0l02Y_mean vs Slug



Right In: 9.582 ± 0.864 χ^2/NDF : 833.4/23

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

Right Out: 3.248 ± 0.824 χ^2/NDF : 704.0/28

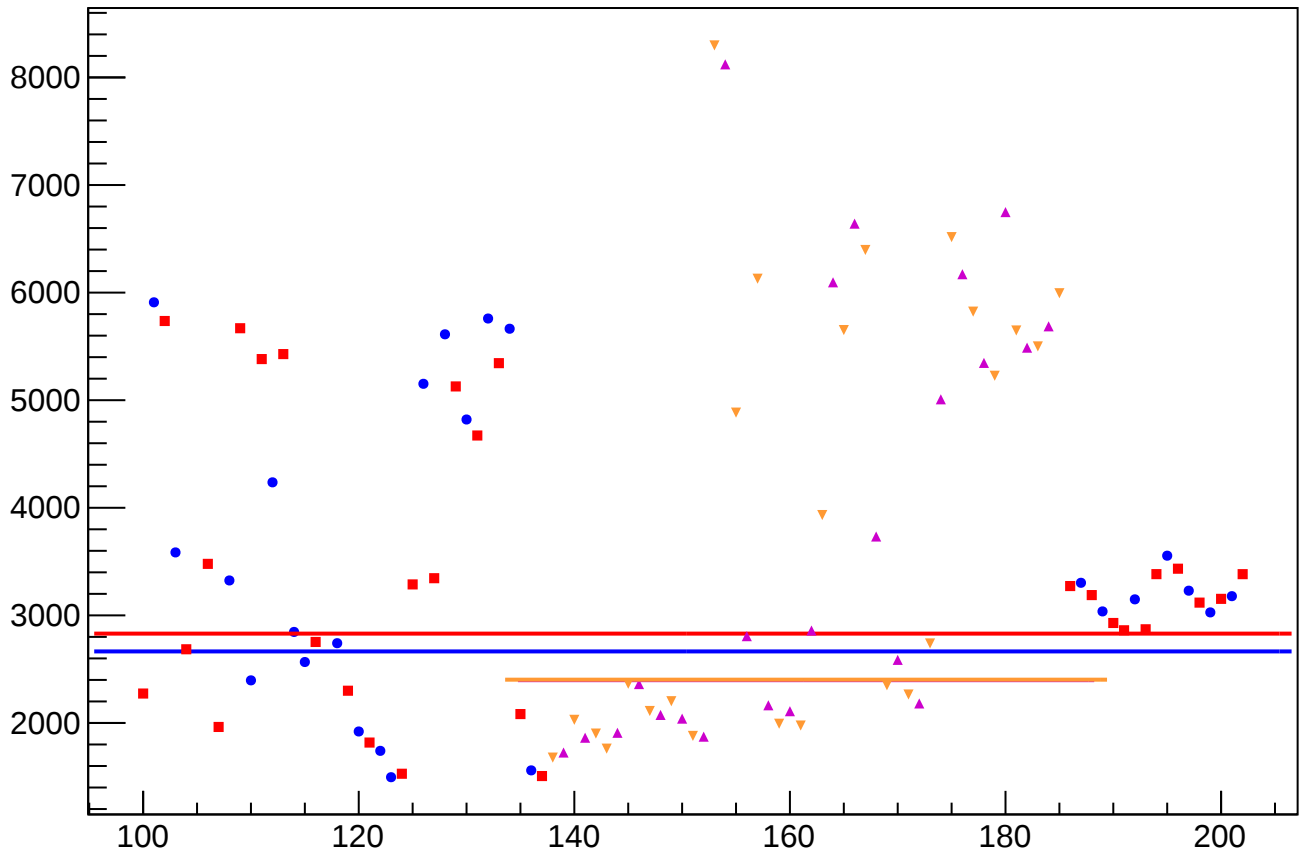
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

+ sign 7.873 ± 0.514 χ^2/NDF : 1043.3/48

All: 8.194 ± 0.362 χ^2/NDF : 2209.1/100

- sign 8.510 ± 0.510 χ^2/NDF : 1165.0/51

diff_bpm0l02Y_rms vs Slug



Right In: 2664.990+/-0.611 χ^2/NDF : 3004300.5/23

Left Out: 2402.359+/-0.452 χ^2/NDF : 6345982.8/24

Right Out: 2830.448+/-0.583 χ^2/NDF : 2656036.5/28

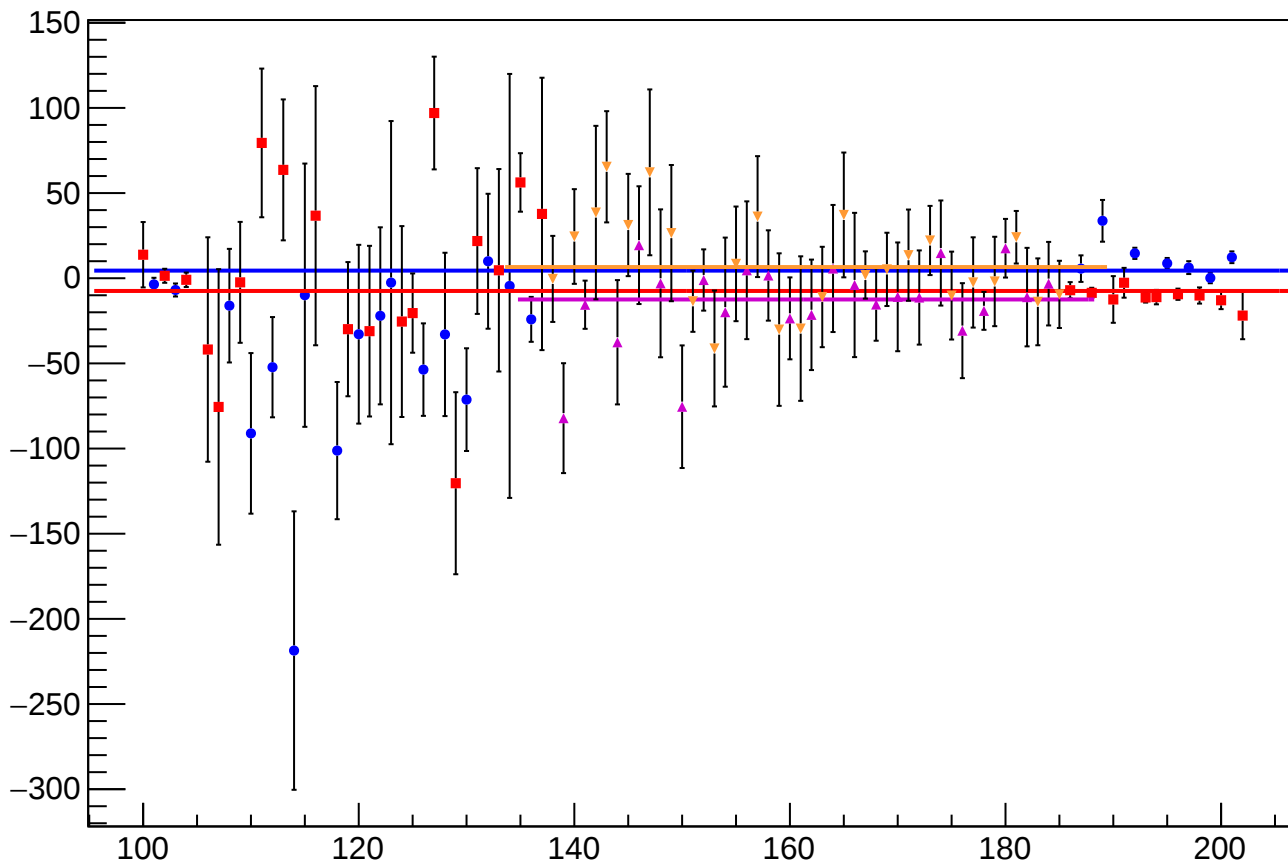
Left In: 2397.701+/-0.458 χ^2/NDF : 5398920.1/22

+ sign 2495.158+/-0.363 χ^2/NDF : 9469752.9/48

All: 2529.411+/-0.256 χ^2/NDF : 17882950.2/100

- sign 2563.123+/-0.360 χ^2/NDF : 8395550.0/51

diff_bpm0l03X_mean vs Slug



Right In: 4.472 ± 1.269 $\chi^2/\text{NDF}: 77.1/23$

Left Out: 6.560 ± 5.077 $\chi^2/\text{NDF}: 16.8/24$

Right Out: -7.475 ± 1.240 $\chi^2/\text{NDF}: 52.4/28$

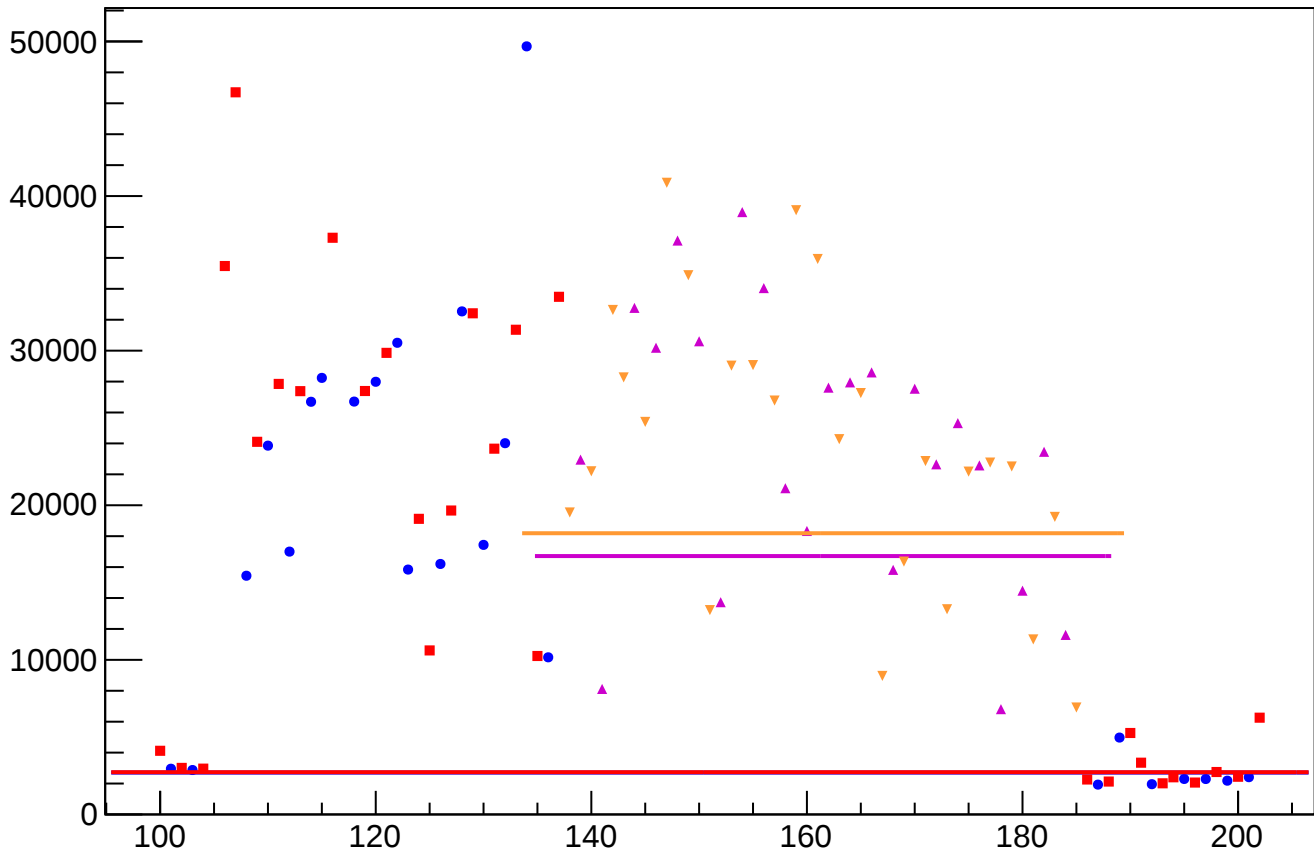
Left In: -12.469 ± 5.025 $\chi^2/\text{NDF}: 15.4/22$

+ sign 4.594 ± 1.231 $\chi^2/\text{NDF}: 94.0/48$

All: -1.719 ± 0.861 $\chi^2/\text{NDF}: 214.2/100$

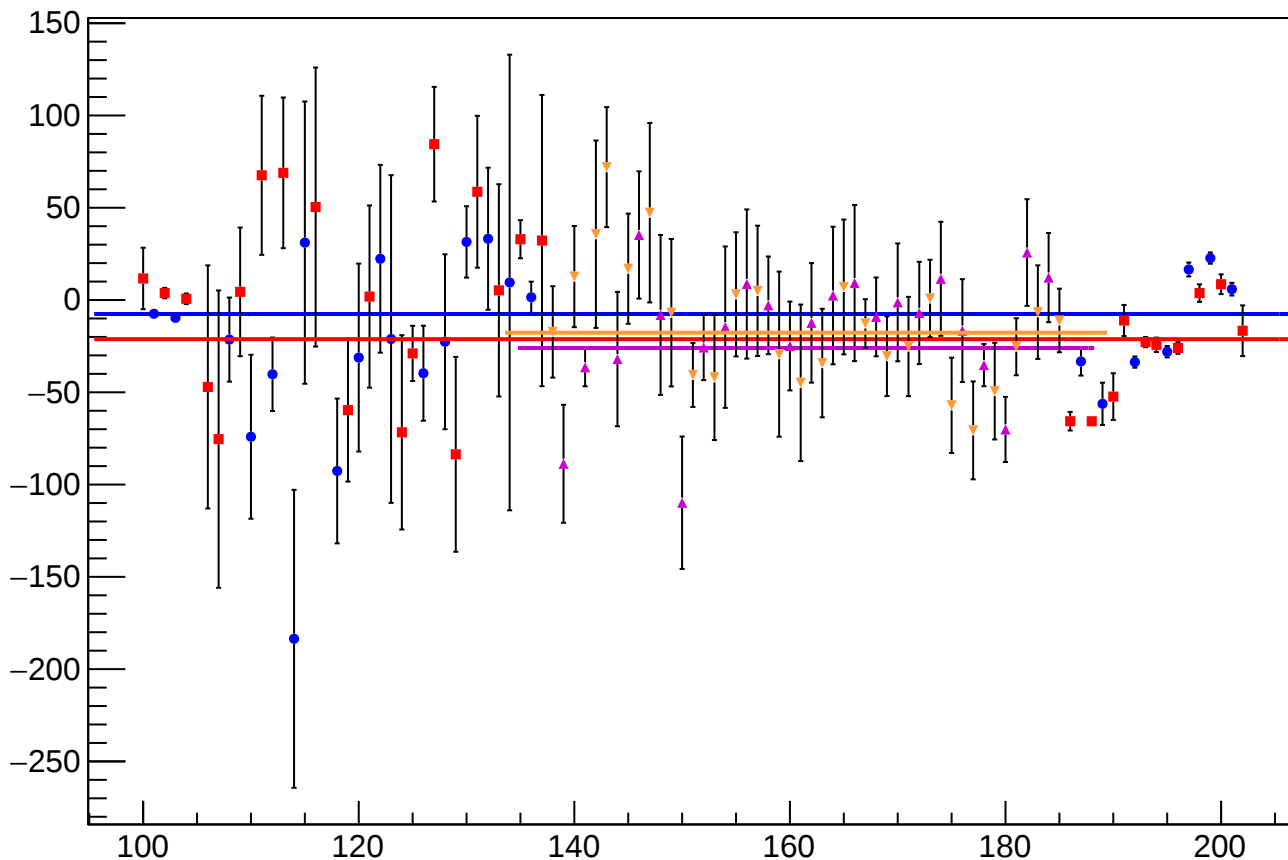
- sign -7.762 ± 1.204 $\chi^2/\text{NDF}: 68.7/51$

diff_bpm0l03X_rms vs Slug



Right In: 2708.401+/-0.897	χ^2/NDF : 6921940.3/23	+ sign 3618.087+/-0.870	χ^2/NDF : 29685642.4/48
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 3576.081+/-0.609	χ^2/NDF : 59153065.3/1
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: -7.569 ± 1.105 $\chi^2/\text{NDF}: 327.1/23$

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

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

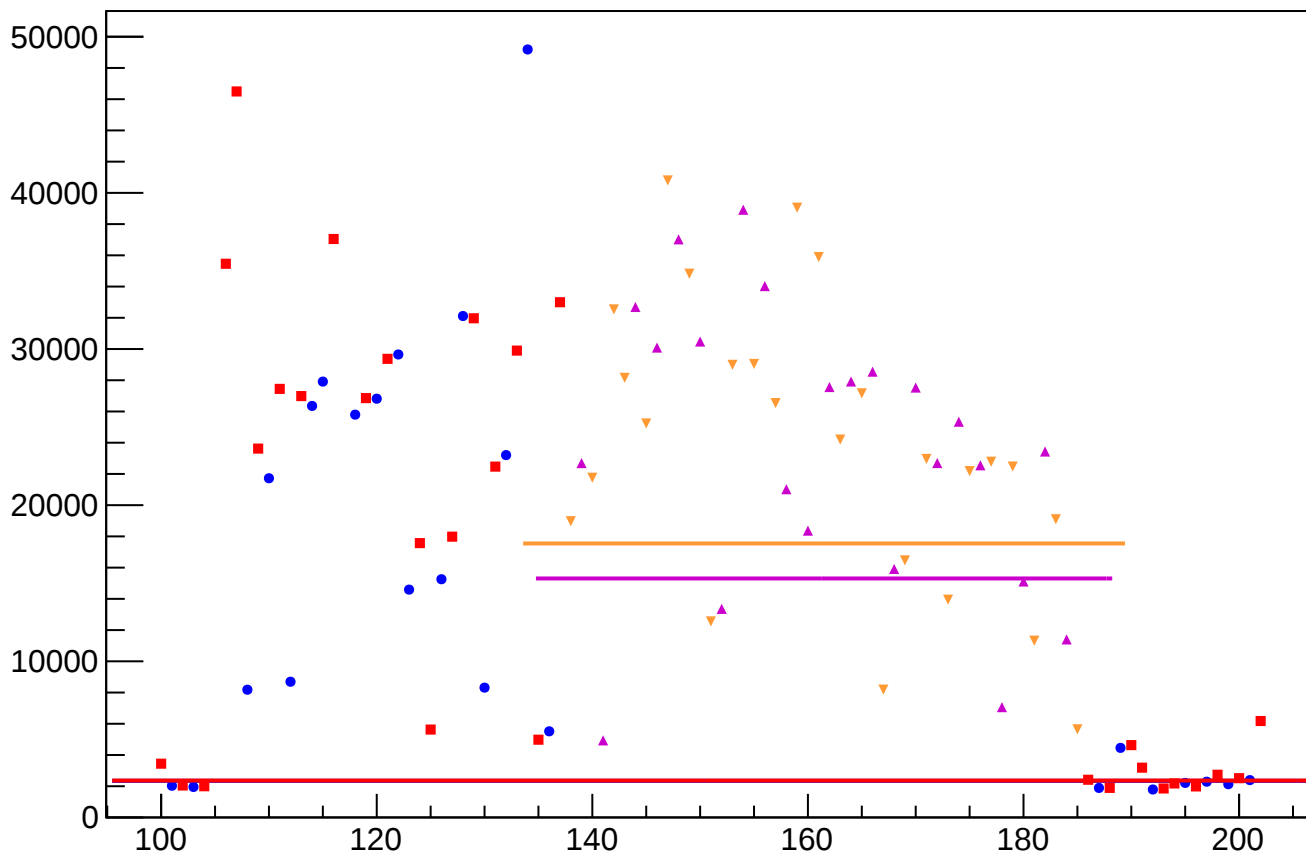
Left In: -25.991 ± 4.789 $\chi^2/\text{NDF}: 32.6/22$

+ sign -8.046 ± 1.079 $\chi^2/\text{NDF}: 358.2/48$

All: -14.863 ± 0.756 $\chi^2/\text{NDF}: 1088.6/100$

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

diff_bpm0l03Y_rms vs Slug



Right In: 2344.782 ± 0.781 $\chi^2/\text{NDF}: 5777169.1/23$

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

Right Out: 2363.626 ± 0.768 $\chi^2/\text{NDF}: 8314153.4/28$

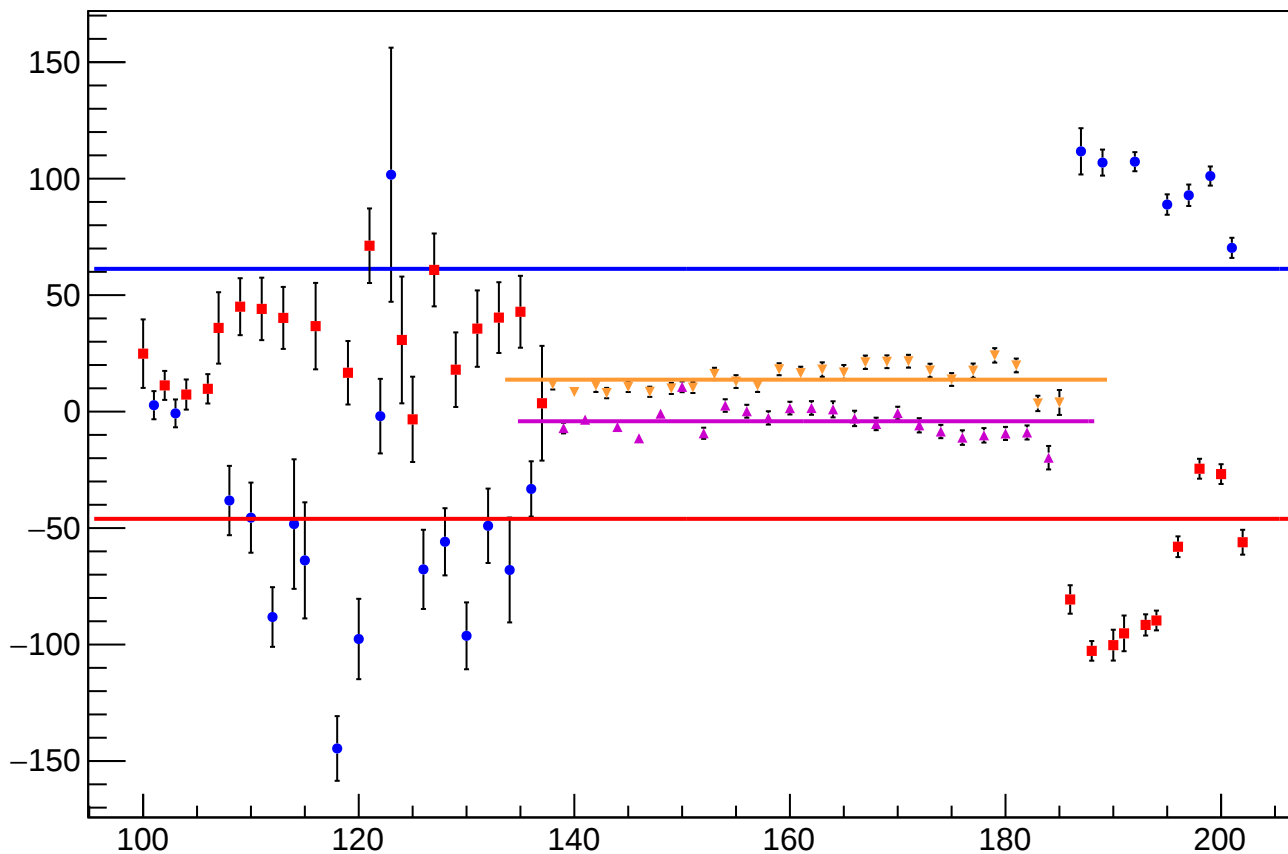
Left In: 15305.311 ± 3.386 $\chi^2/\text{NDF}: 7721177.0/22$

+ sign 3059.761 ± 0.763 $\chi^2/\text{NDF}: 29479902.7/48$

All: 3028.053 ± 0.535 $\chi^2/\text{NDF}: 59409685.2/100$

- sign 2997.452 ± 0.749 $\chi^2/\text{NDF}: 29926387.2/51$

diff_bpm0l04X_mean vs Slug



Right In: 61.280 ± 1.532 $\chi^2/\text{NDF}: 1586.5/23$

Left Out: 13.710 ± 0.535 $\chi^2/\text{NDF}: 89.9/24$

Right Out: -46.034 ± 1.333 $\chi^2/\text{NDF}: 1274.3/28$

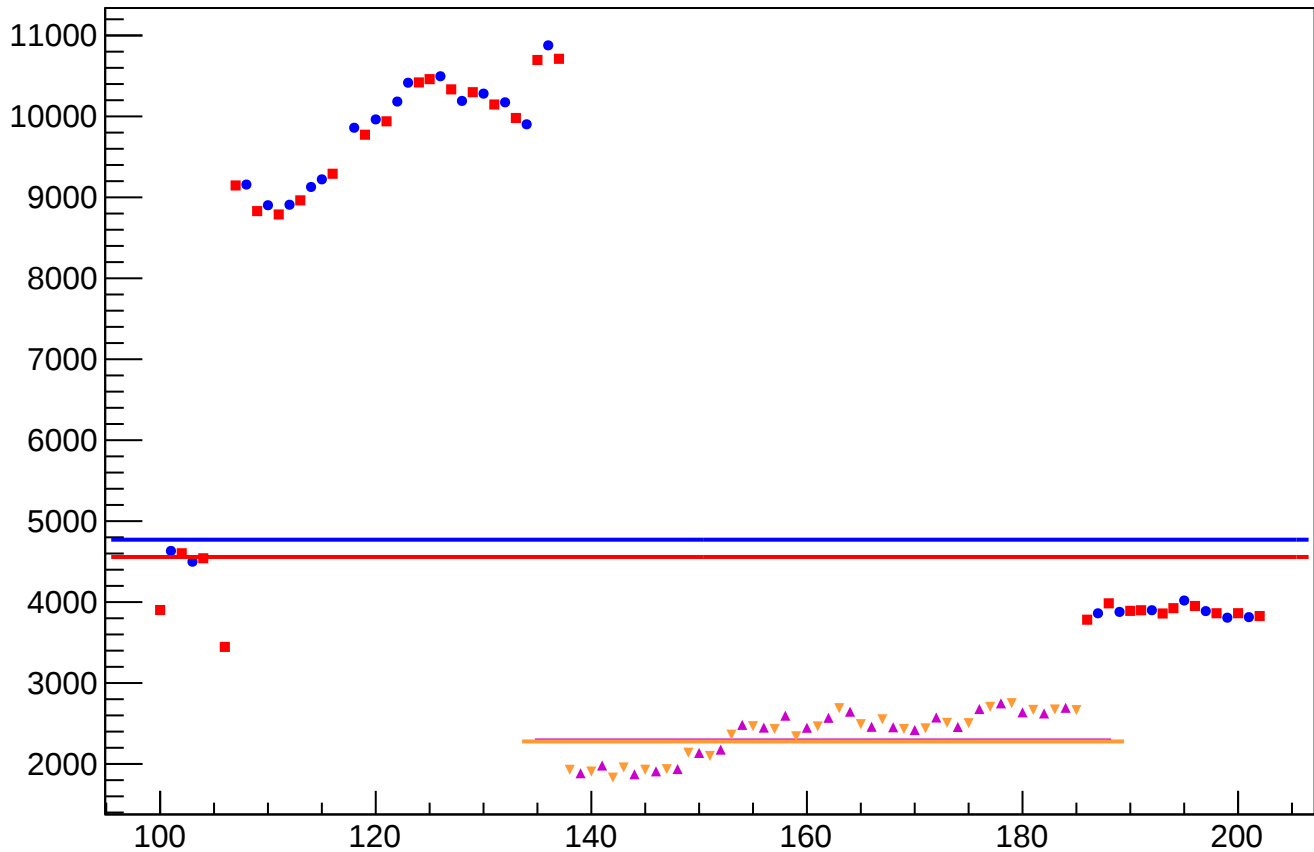
Left In: -4.141 ± 0.555 $\chi^2/\text{NDF}: 111.7/22$

+ sign 18.884 ± 0.505 $\chi^2/\text{NDF}: 2535.6/48$

All: 4.478 ± 0.360 $\chi^2/\text{NDF}: 6411.2/100$

- sign -10.325 ± 0.512 $\chi^2/\text{NDF}: 2227.6/51$

diff_bpm0l04X_rms vs Slug



Right In: 4770.881+/-1.083 χ^2/NDF : 3516620.9/23

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

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

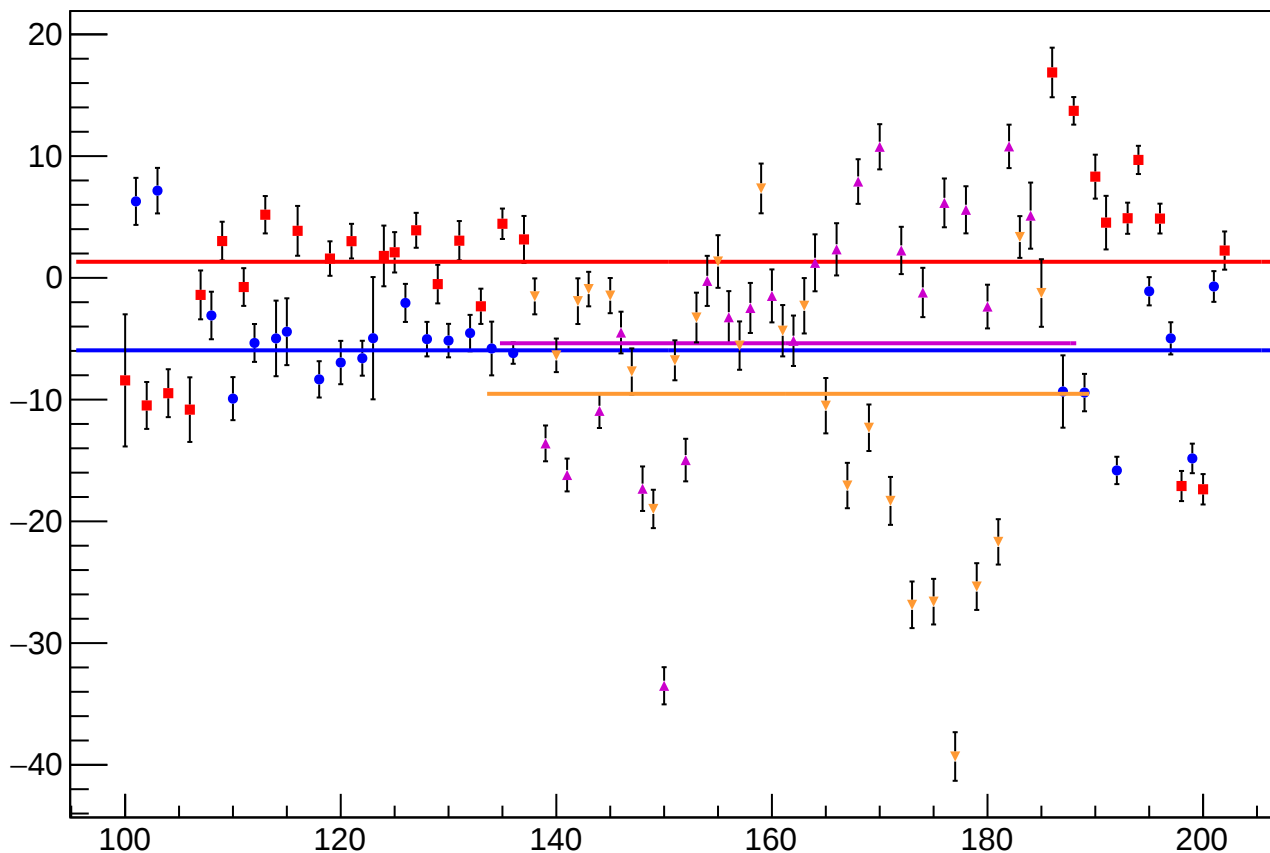
Left In: 2290.461+/-0.392 χ^2/NDF : 590272.1/22

+ sign 2549.276+/-0.357 χ^2/NDF : 8842459.1/48

All: 2586.656+/-0.254 χ^2/NDF : 18077173.9/51

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

diff_bpm0l04Y_mean vs Slug



Right In: -5.952 ± 0.310 $\chi^2/\text{NDF}: 280.6/23$

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

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

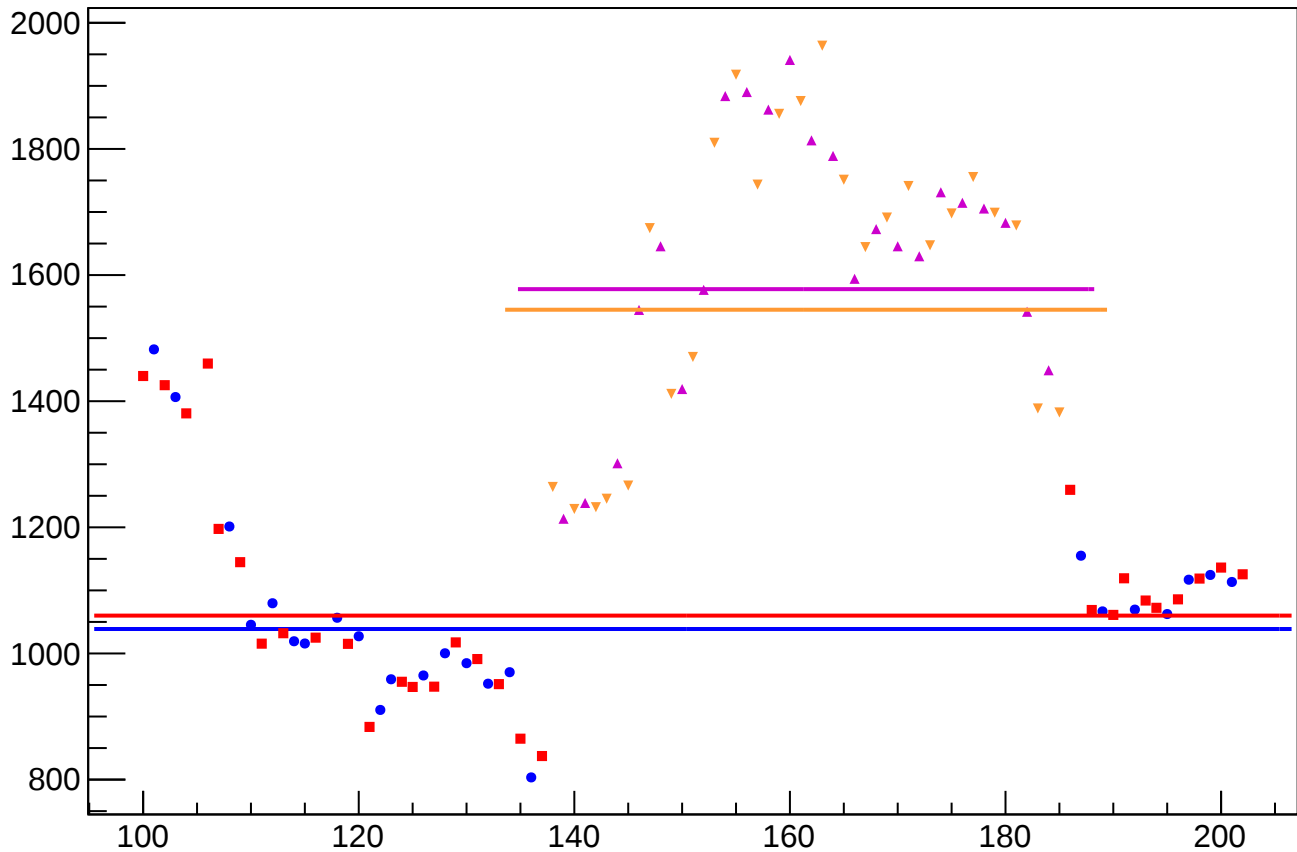
Left In: -5.372 ± 0.383 $\chi^2/\text{NDF}: 869.8/22$

+ sign -7.449 ± 0.236 $\chi^2/\text{NDF}: 1220.3/48$

All: -4.222 ± 0.165 $\chi^2/\text{NDF}: 3485.3/100$

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

diff_bpm0l04Y_rms vs Slug



Right In: 1038.776 $\pm$ 0.219 χ^2 /NDF: 406496.5/23

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

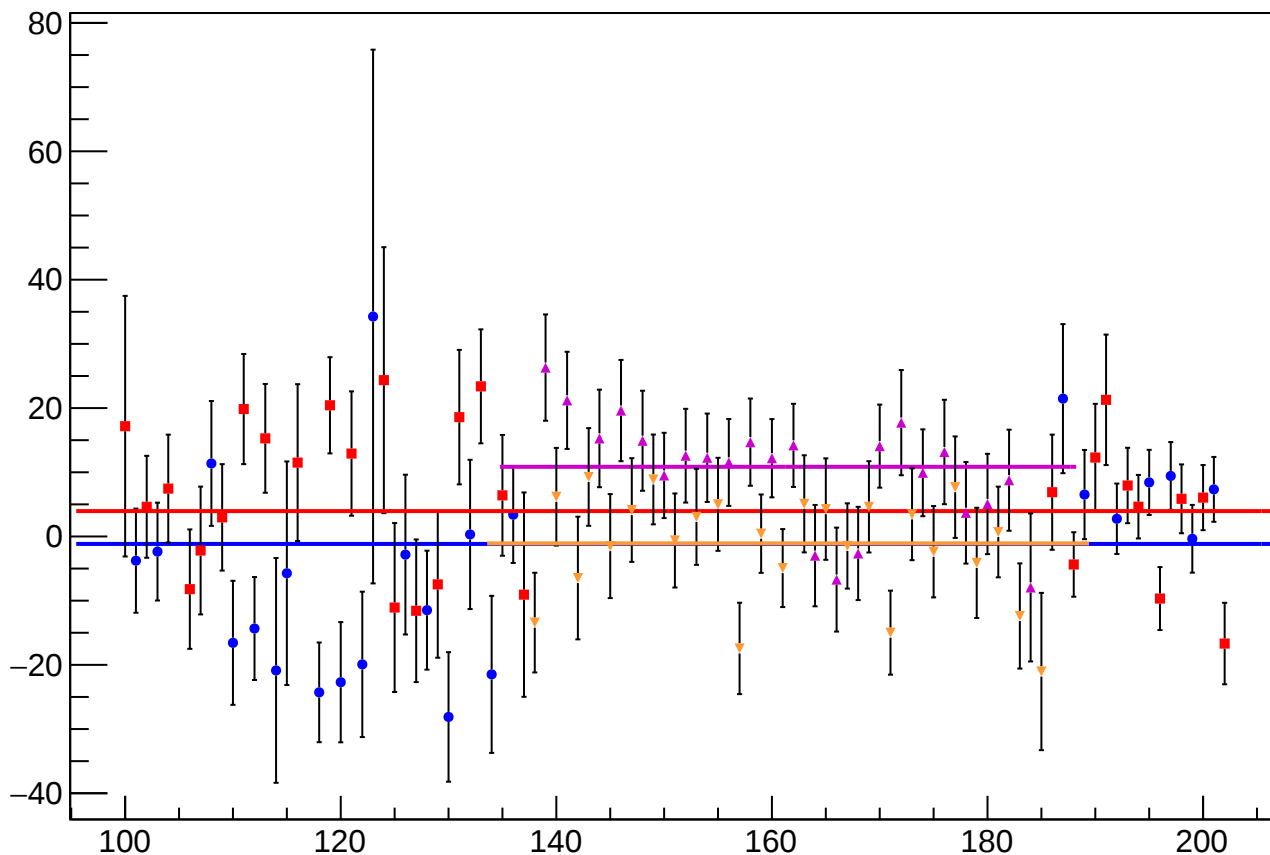
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1250.965 $\pm$ 0.167 χ^2 /NDF: 3487141.6/48

All: 1249.988 $\pm$ 0.117 χ^2 /NDF: 6819191.9/10

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

diff_bpm0l05X_mean vs Slug



Right In: -1.162 ± 1.615 χ^2/NDF : 53.5/23

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

Right Out: 3.954 ± 1.446 χ^2/NDF : 52.5/28

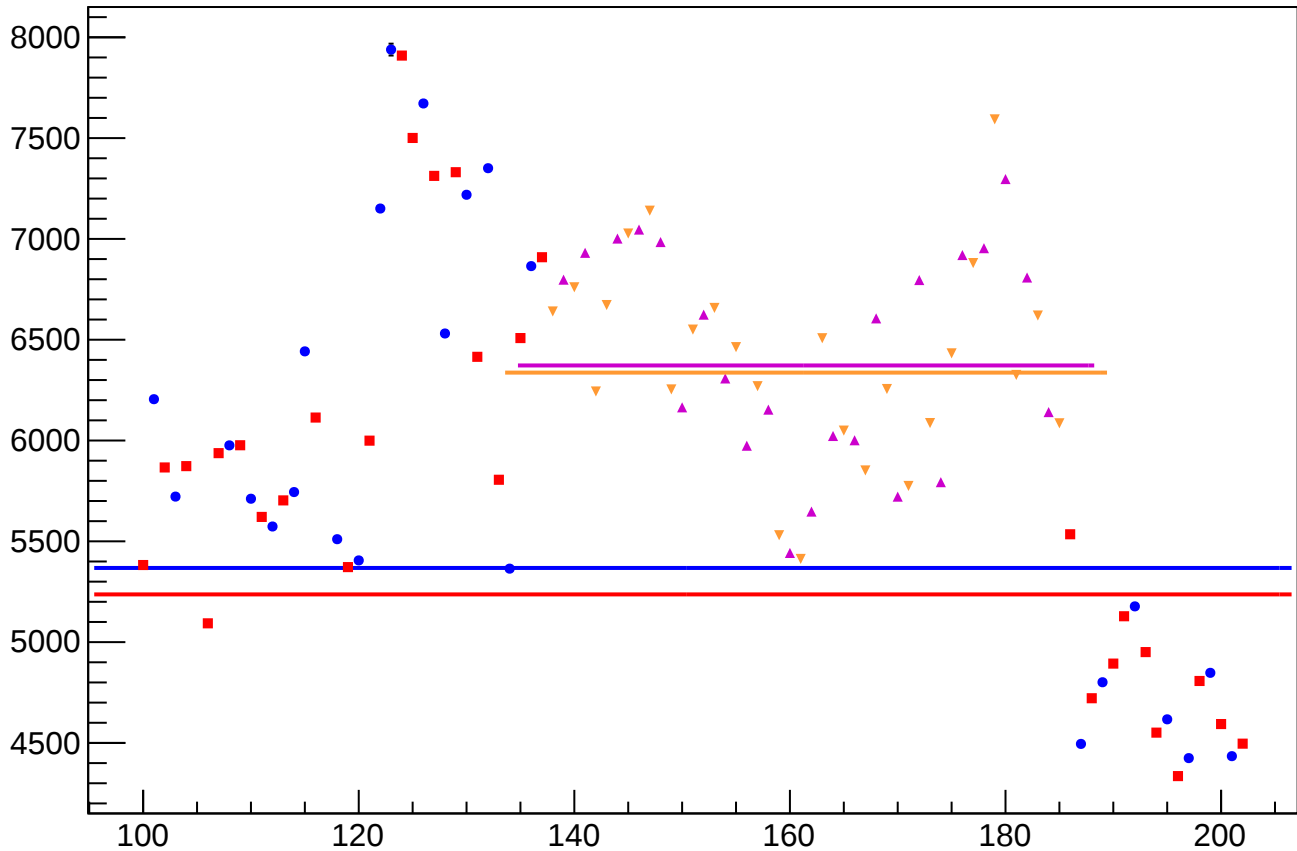
Left In: 10.851 ± 1.542 χ^2/NDF : 24.4/22

+ sign -1.120 ± 1.094 χ^2/NDF : 81.0/48

All: 3.184 ± 0.759 χ^2/NDF : 198.4/100

- sign 7.182 ± 1.055 χ^2/NDF : 87.5/51

diff_bpm0l05X_rms vs Slug



Right In: 5367.931+/-1.142 χ^2/NDF : 631147.9/23

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

Right Out: 5236.744+/-1.023 χ^2/NDF : 615173.6/28

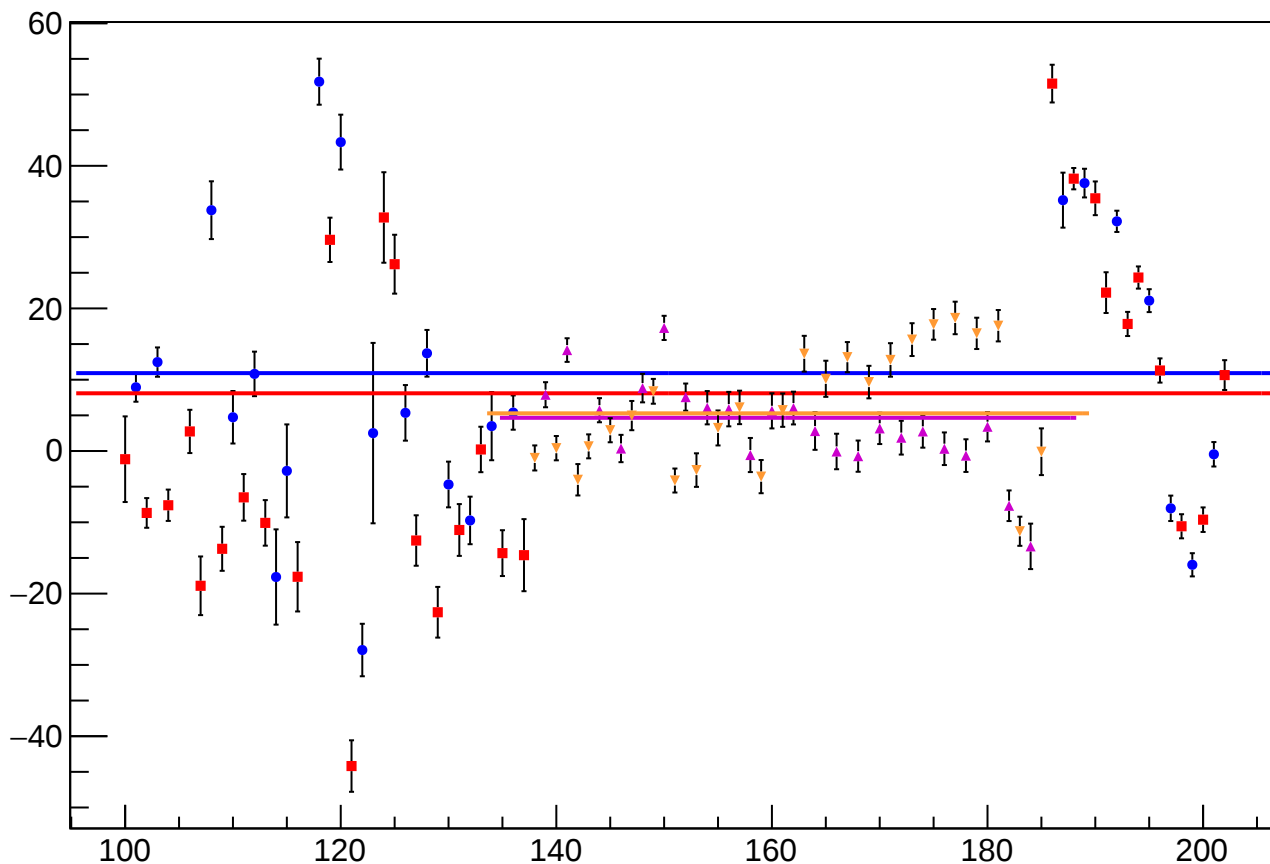
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 5892.401+/-0.774 χ^2/NDF : 1243522.0/48

All: 5828.063+/-0.537 χ^2/NDF : 2696570.7/10

- sign 5768.276+/-0.746 χ^2/NDF : 1439706.4/51

diff_bpm0l05Y_mean vs Slug



Right In: 10.924 $\pm$ 0.516 χ^2 /NDF: 1363.9/23

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

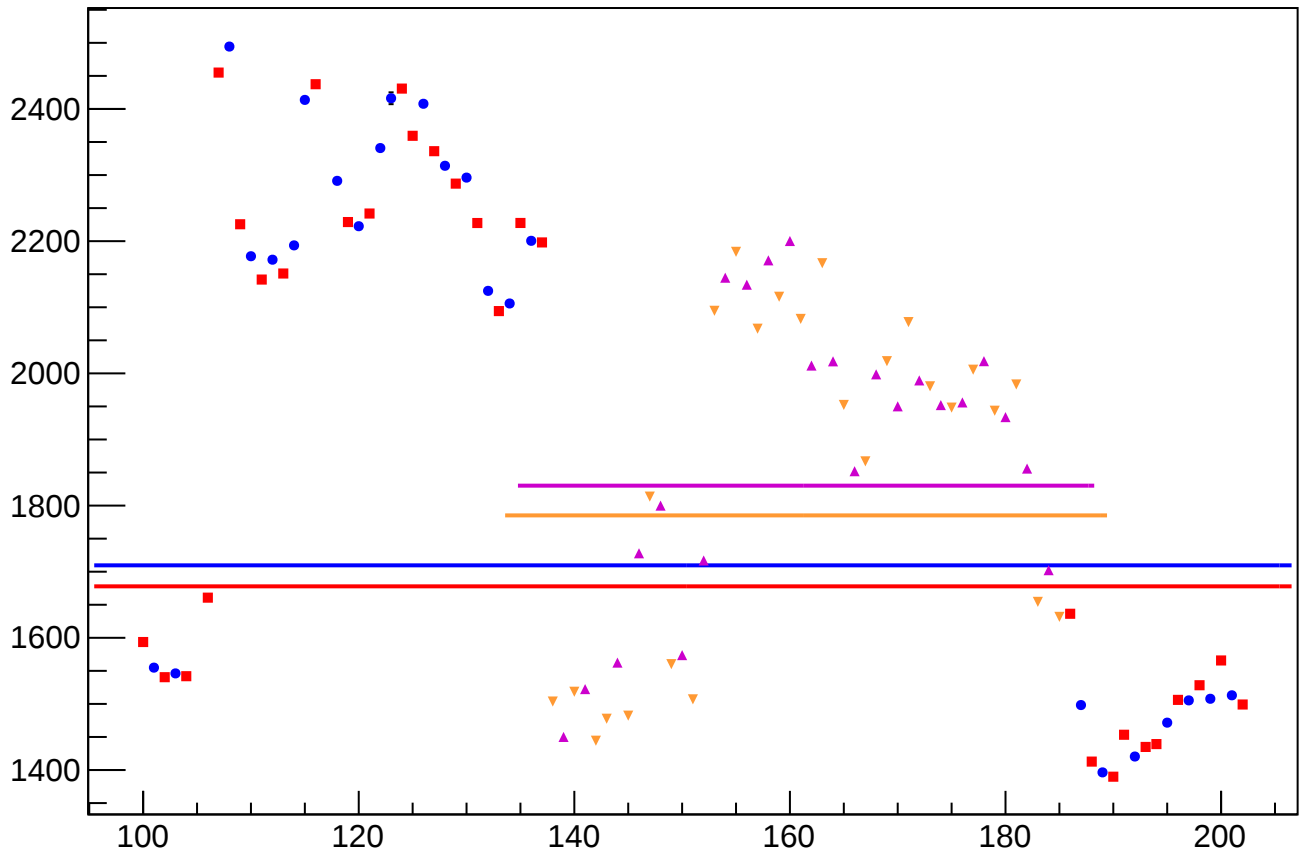
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF:196.5/22

+ sign 7.536 $\pm$ 0.326 χ^2 /NDF: 1801.7/48

All: 6.905 $\pm$ 0.229 χ^2 /NDF: 4039.5/100

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

diff_bpm0l05Y_rms vs Slug



Right In: 1709.622 $\pm$ 0.365 χ^2 /NDF: 959187.6/23

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

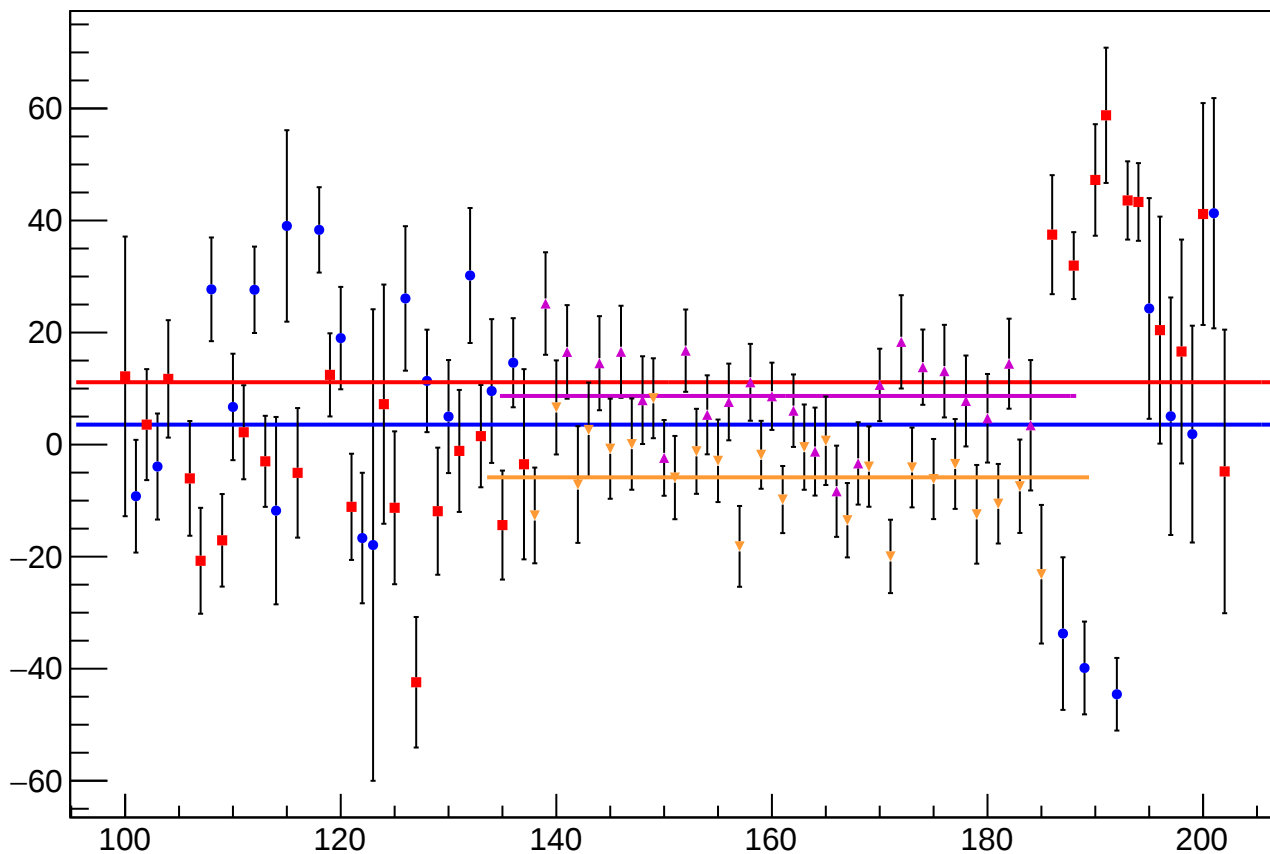
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1755.017 $\pm$ 0.231 χ^2 /NDF: 1735570.9/48

All: 1756.365 $\pm$ 0.162 χ^2 /NDF: 3375138.5/10

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

diff_bpm0l06X_mean vs Slug



Right In: 3.565 ± 2.157 χ^2/NDF : 156.5/23

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

Right Out: 11.133 ± 1.877 χ^2/NDF : 169.2/28

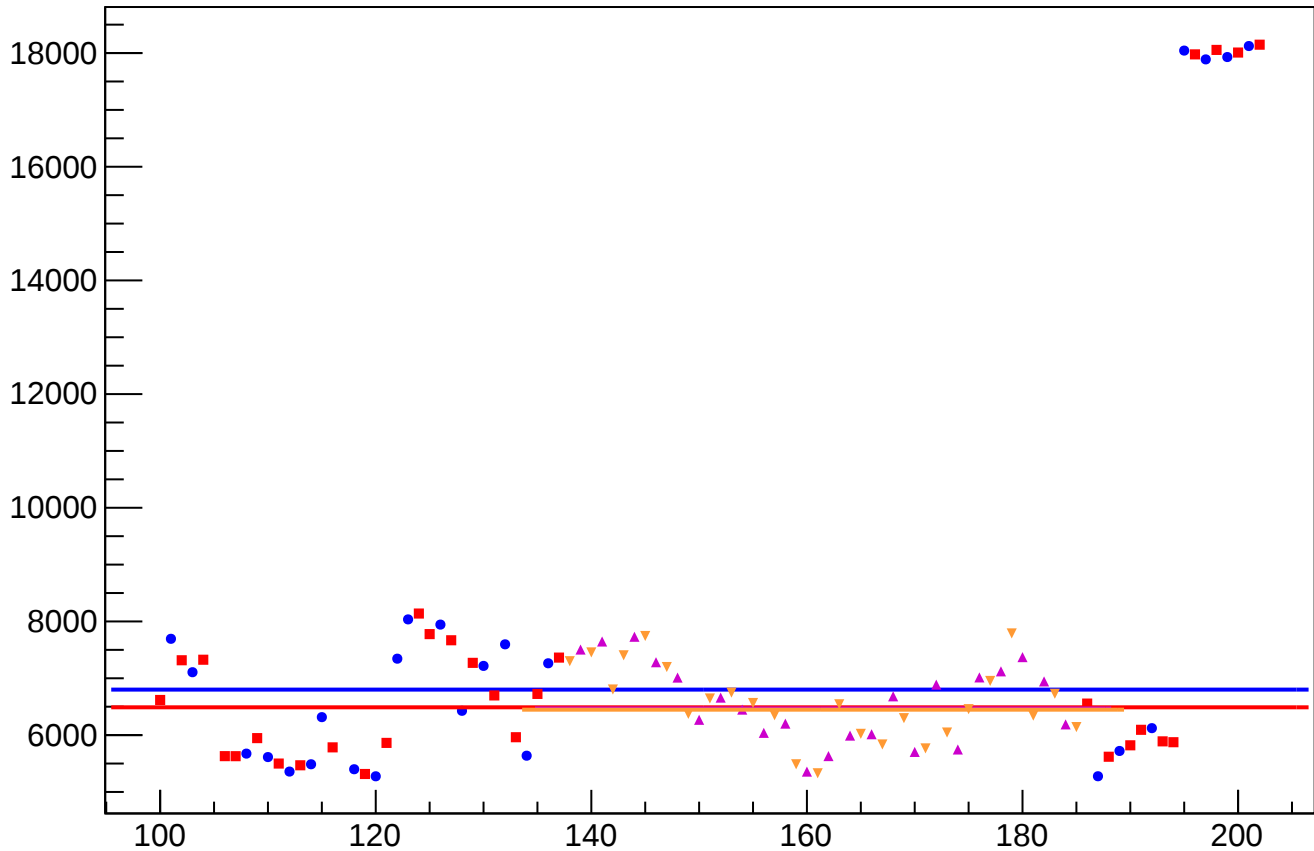
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -2.724 ± 1.242 χ^2/NDF : 192.5/48

All: 3.671 ± 0.865 χ^2/NDF : 436.1/100

- sign 9.692 ± 1.205 χ^2/NDF : 192.1/51

diff_bpm0l06X_rms vs Slug



Right In: 6800.737 $\pm$ 1.525 χ^2 /NDF: 2894911.1/23

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

Right Out: 6489.145 $\pm$ 1.327 χ^2 /NDF: 2763625.9/28

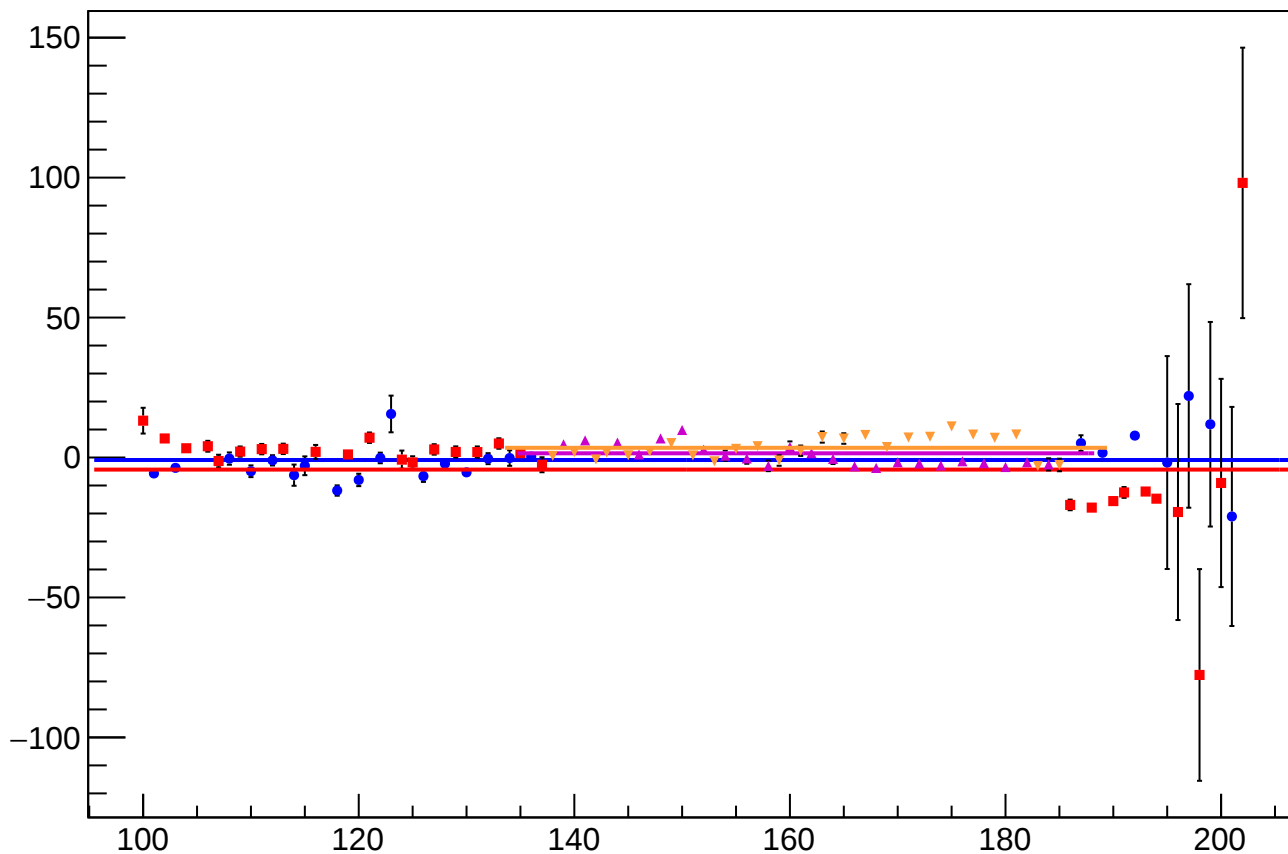
Left In: 6468.902 $\pm$ 1.111 χ^2 /NDF: 383325.4/22

+ sign 6564.683 $\pm$ 0.878 χ^2 /NDF: 3302408.3/48

All: 6519.639 $\pm$ 0.611 χ^2 /NDF: 6454607.1/10

- sign 6477.237 $\pm$ 0.852 χ^2 /NDF: 3147088.1/51

diff_bpm0l06Y_mean vs Slug



Right In: -0.889 ± 0.406 χ^2/NDF : 172.0/23

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

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

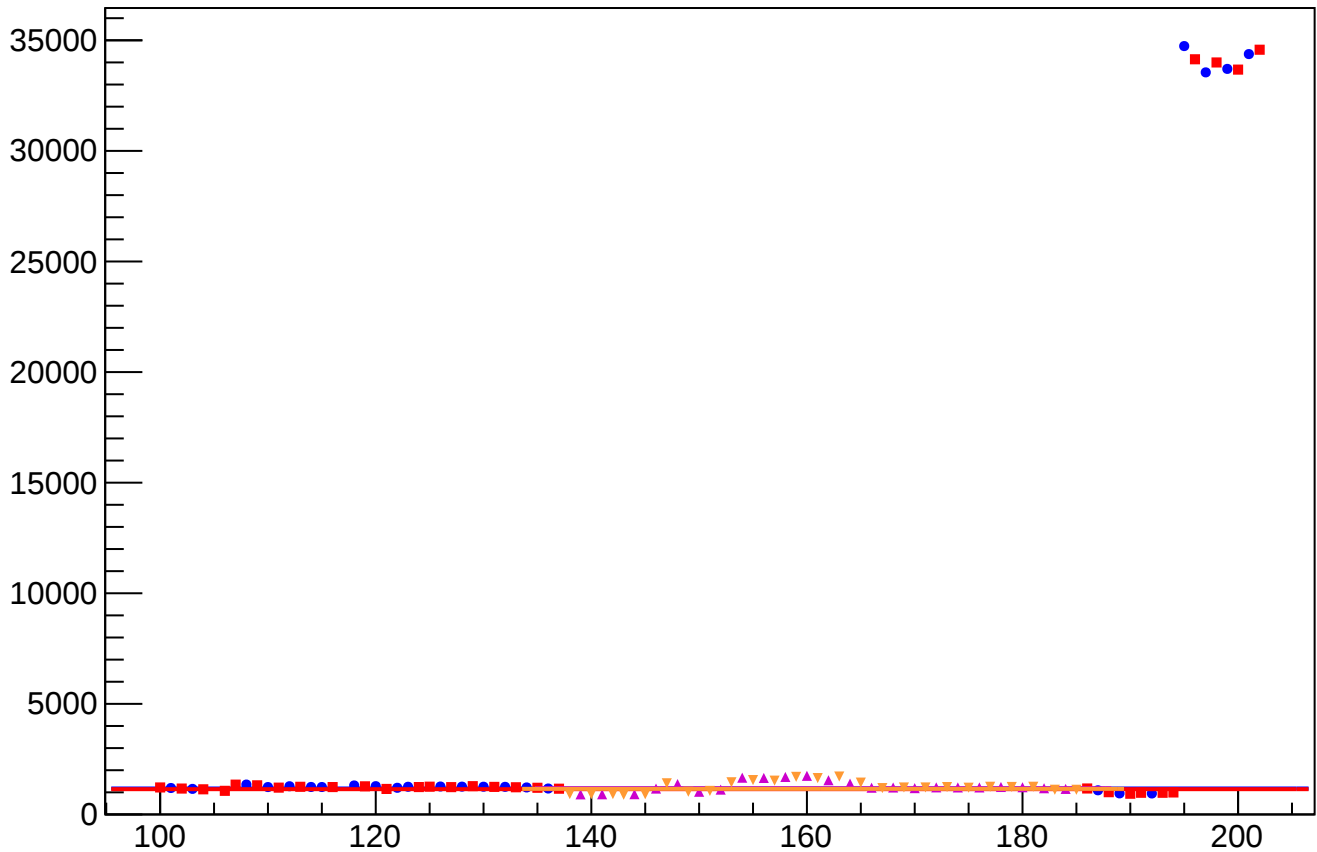
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.089 ± 0.228 χ^2/NDF : 426.8/48

All: 0.603 ± 0.160 χ^2/NDF : 1544.4/100

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

diff_bpm0l06Y_rms vs Slug



Right In: 1173.775+/-0.287 χ^2/NDF : 6108923.9/23

Left Out: 1158.894+/-0.195 χ^2/NDF : 1410423.6/24

Right Out: 1142.941+/-0.251 χ^2/NDF : 5702255.1/28

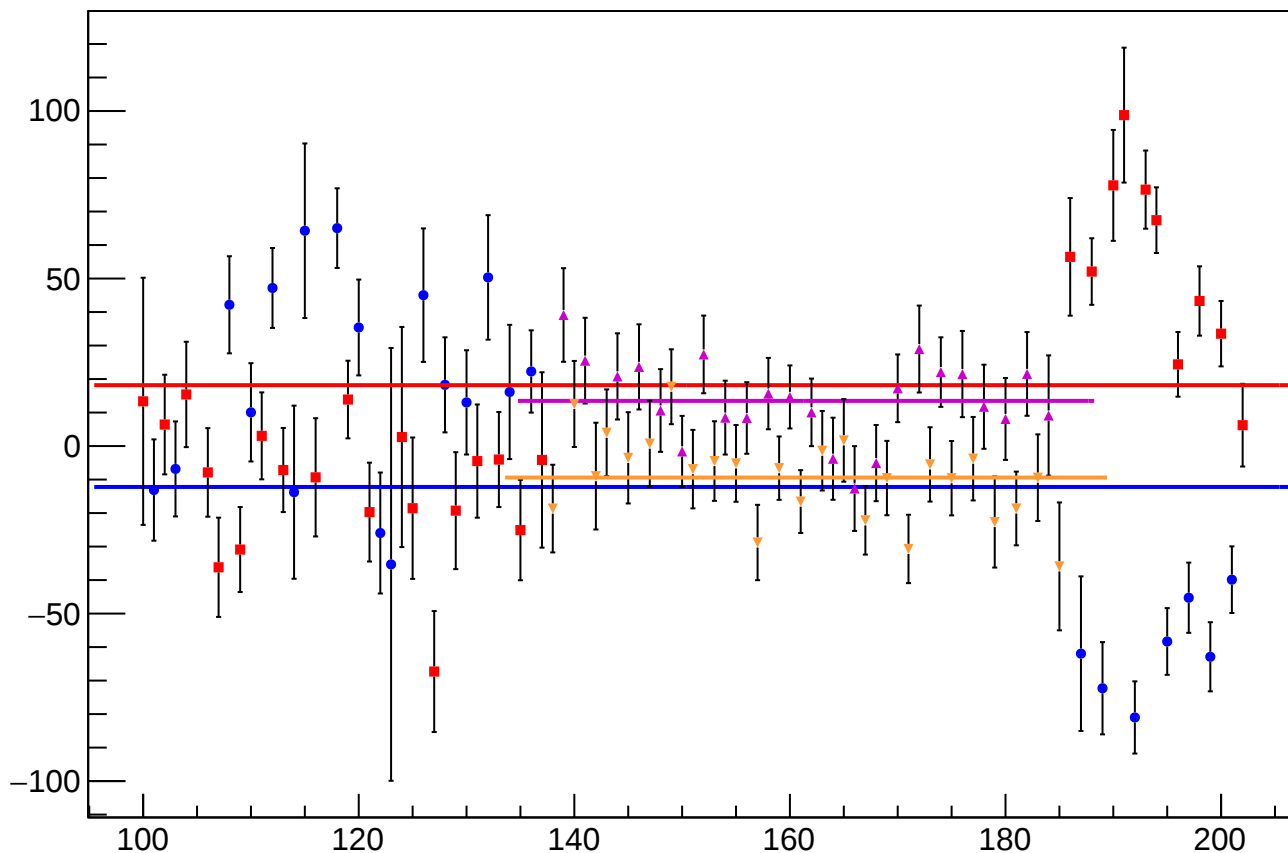
Left In: 1184.966+/-0.206 χ^2/NDF : 1190431.5/22

+ sign 1163.611+/-0.162 χ^2/NDF : 7521185.4/48

All: 1165.880+/-0.113 χ^2/NDF : 14431065.2/51

- sign 1168.077+/-0.159 χ^2/NDF : 6909491.3/51

diff_bpm0l07X_mean vs Slug



Right In: -12.205 ± 2.861 χ^2/NDF : 268.4/23

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

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

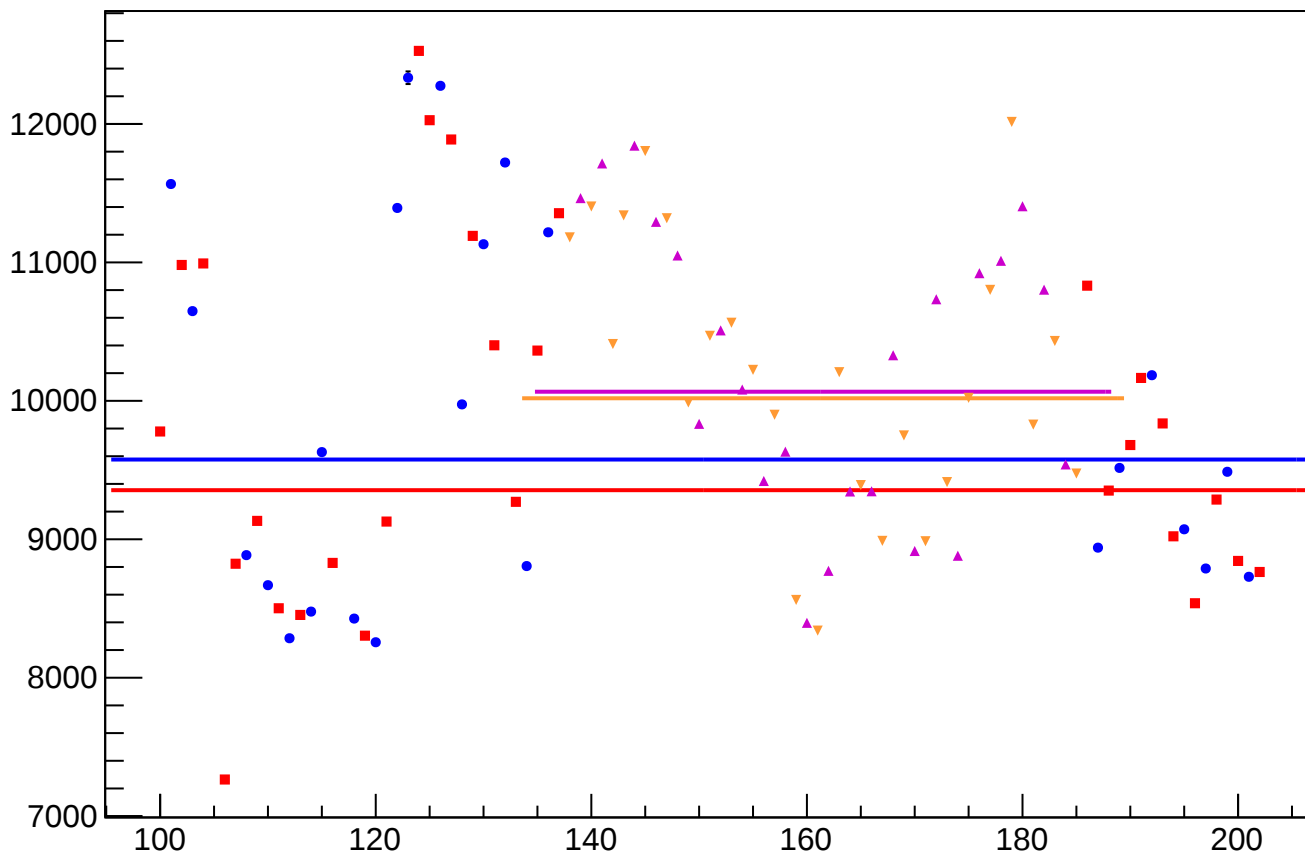
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -10.533 ± 1.820 χ^2/NDF : 295.3/48

All: 2.955 ± 1.269 χ^2/NDF : 622.1/100

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

diff_bpm0l07X_rms vs Slug



Right In: 9576.104 $\pm$ 2.023 χ^2 /NDF: 307621.7/23

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

Right Out: 9354.667 $\pm$ 1.816 χ^2 /NDF: 325874.6/28

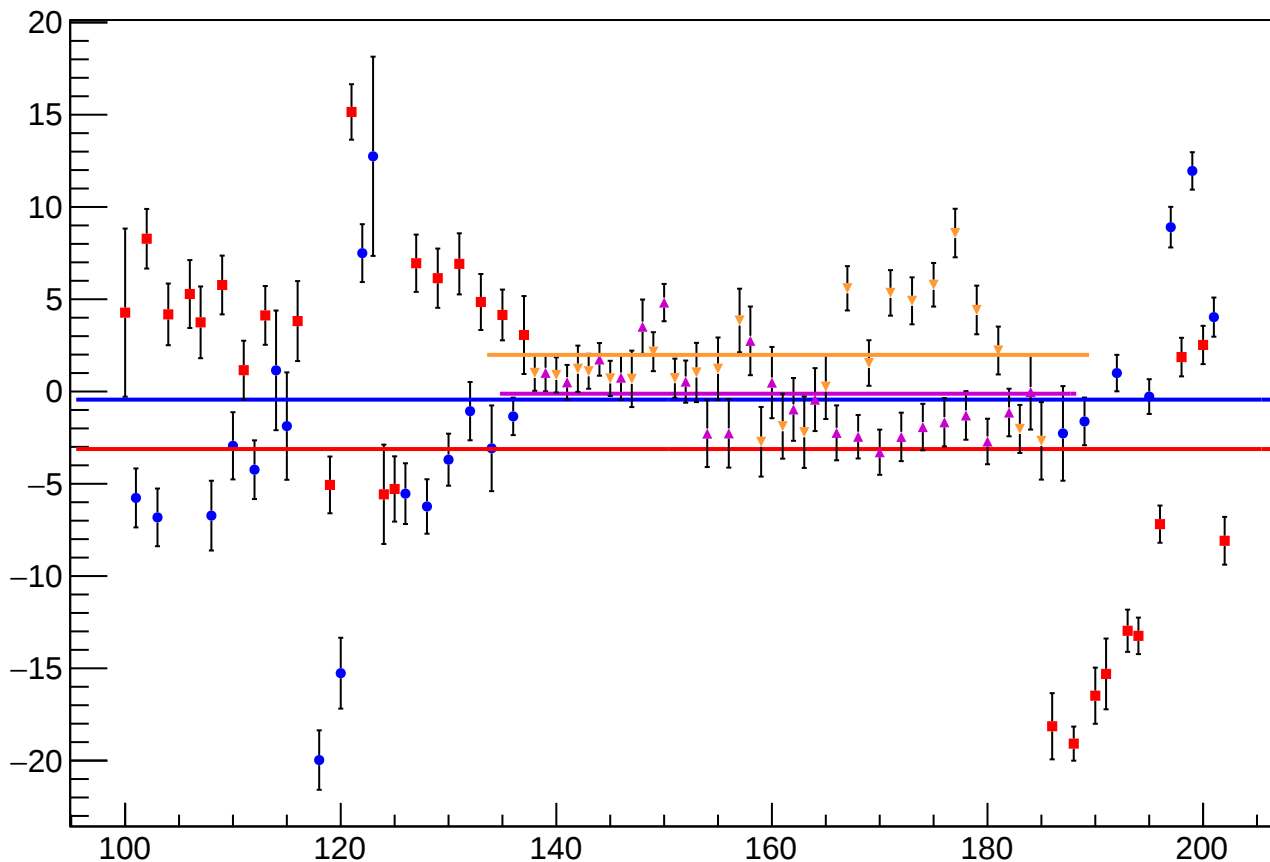
Left In: 10065.909 $\pm$ 1.727 χ^2 /NDF:357868.9/22

+ sign 9839.567 $\pm$ 1.287 χ^2 /NDF: 680632.5/48

All: 9782.260 $\pm$ 0.897 χ^2 /NDF: 1448771.0/10

- sign 9728.057 $\pm$ 1.252 χ^2 /NDF: 764279.8/51

diff_bpm0l07Y_mean vs Slug



Right In: -0.439 ± 0.294 $\chi^2/\text{NDF}: 560.4/23$

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

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

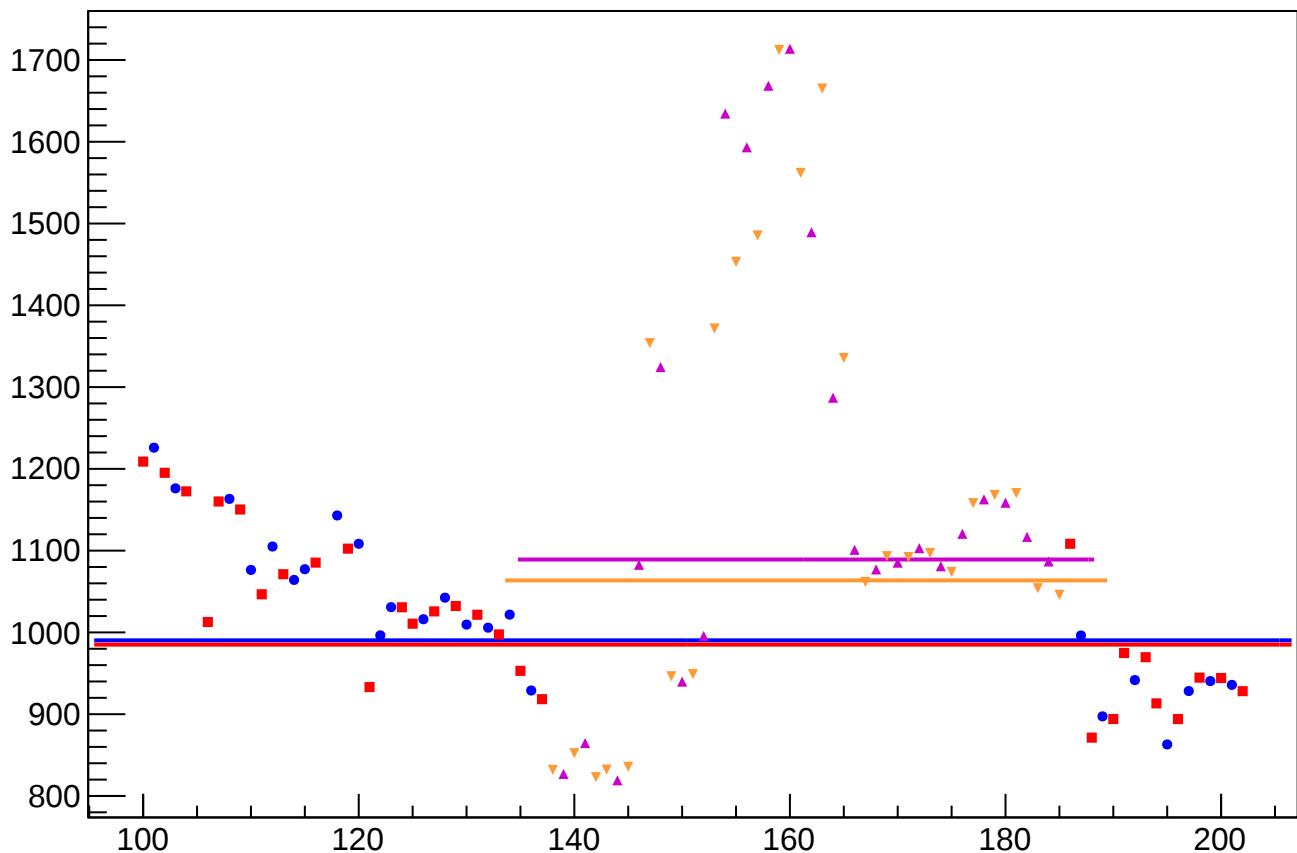
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

+ sign 0.945 ± 0.193 $\chi^2/\text{NDF}: 700.4/48$

All: -0.352 ± 0.135 $\chi^2/\text{NDF}: 2170.0/100$

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

diff_bpm0l07Y_rms vs Slug



Right In: 990.301+/-0.208 χ^2/NDF : 211303.8/23

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

Right Out: 985.075+/-0.190 χ^2/NDF : 221615.9/28

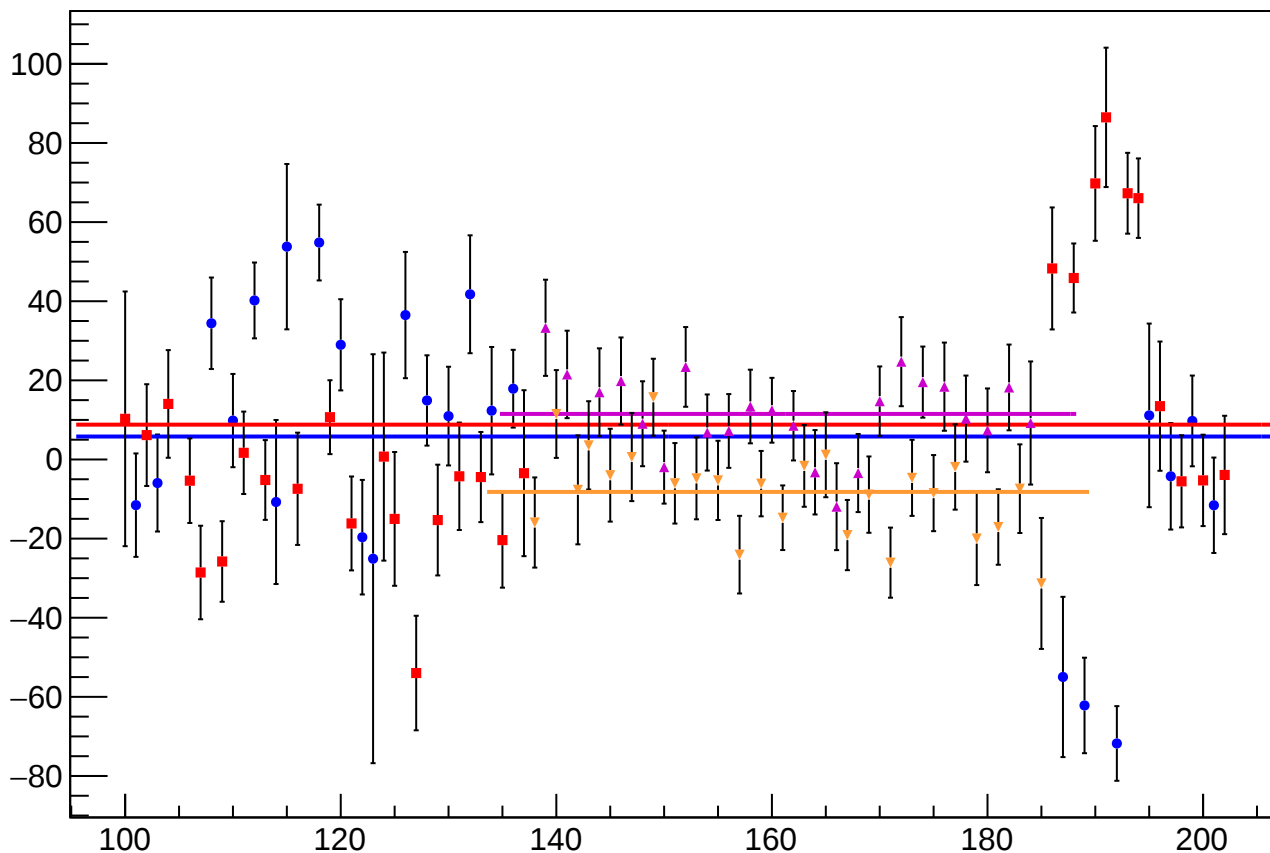
Left In: 1089.154+/-0.190 χ^2/NDF : 1430478.5/22

+ sign 1032.161+/-0.136 χ^2/NDF : 1899665.6/48

All: 1034.699+/-0.096 χ^2/NDF : 3702319.3/10

- sign 1037.174+/-0.134 χ^2/NDF : 1801967.2/51

diff_bpm0l08X_mean vs Slug



Right In: 5.803 ± 2.623 $\chi^2/\text{NDF}: 184.5/23$

Left Out: -8.195 ± 2.049 $\chi^2/\text{NDF}: 26.2/24$

Right Out: 8.801 ± 2.321 $\chi^2/\text{NDF}: 194.8/28$

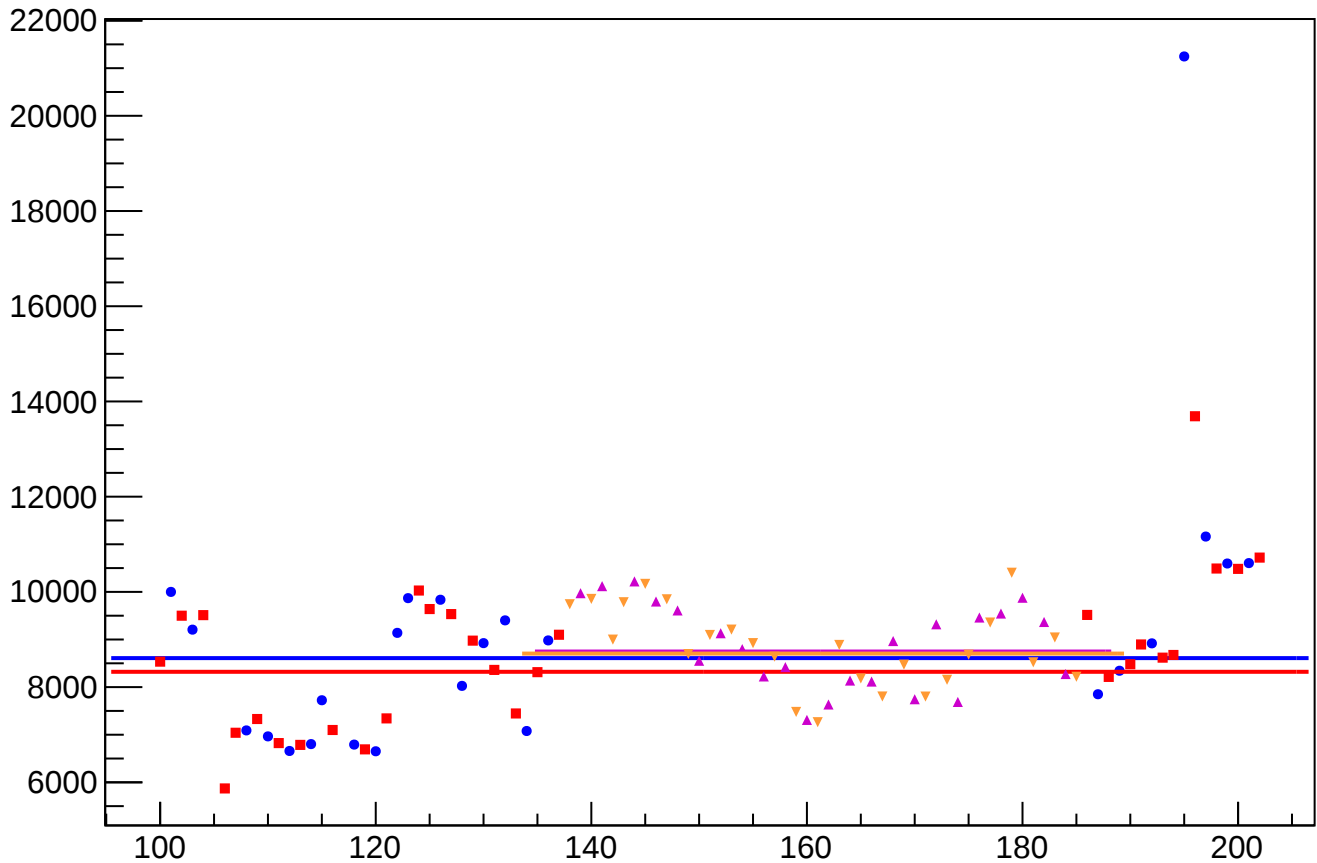
Left In: 11.515 ± 2.122 $\chi^2/\text{NDF}: 21.0/22$

+ sign -2.890 ± 1.614 $\chi^2/\text{NDF}: 228.4/48$

All: 3.894 ± 1.124 $\chi^2/\text{NDF}: 479.3/100$

- sign 10.280 ± 1.566 $\chi^2/\text{NDF}: 216.6/51$

diff_bpm0l08X_rms vs Slug



Right In: 8609.078+/-1.855 χ^2/NDF : 1166416.3/23

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

Right Out: 8321.588+/-1.641 χ^2/NDF : 835974.5/28

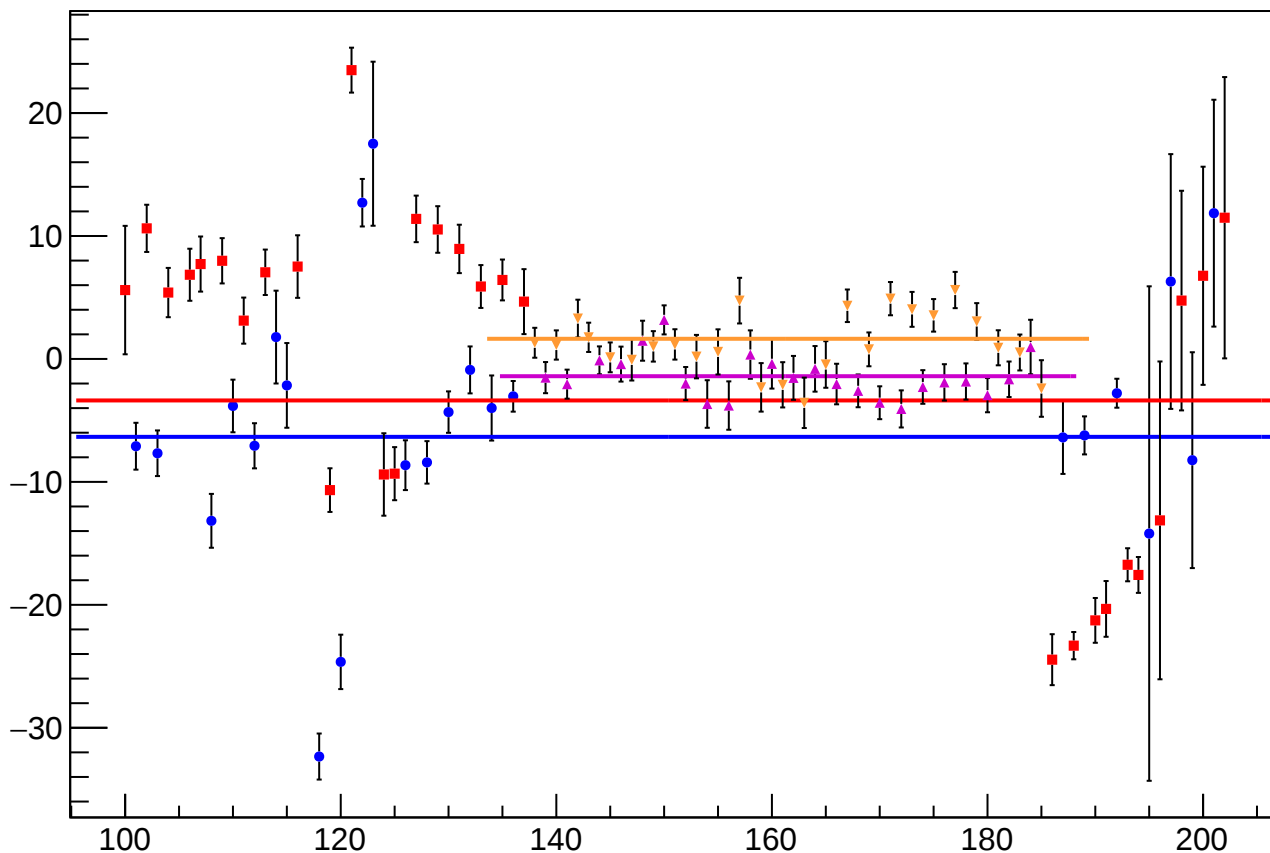
Left In: 8747.415+/-1.501 χ^2/NDF : 347110.4/22

+ sign 8668.149+/-1.142 χ^2/NDF : 1500414.2/48

All: 8609.101+/-0.795 χ^2/NDF : 2725352.5/10

- sign 8553.523+/-1.108 χ^2/NDF : 1219744.8/51

diff_bpm0l08Y_mean vs Slug



Right In: -6.337 ± 0.426 $\chi^2/\text{NDF}: 423.9/23$

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

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

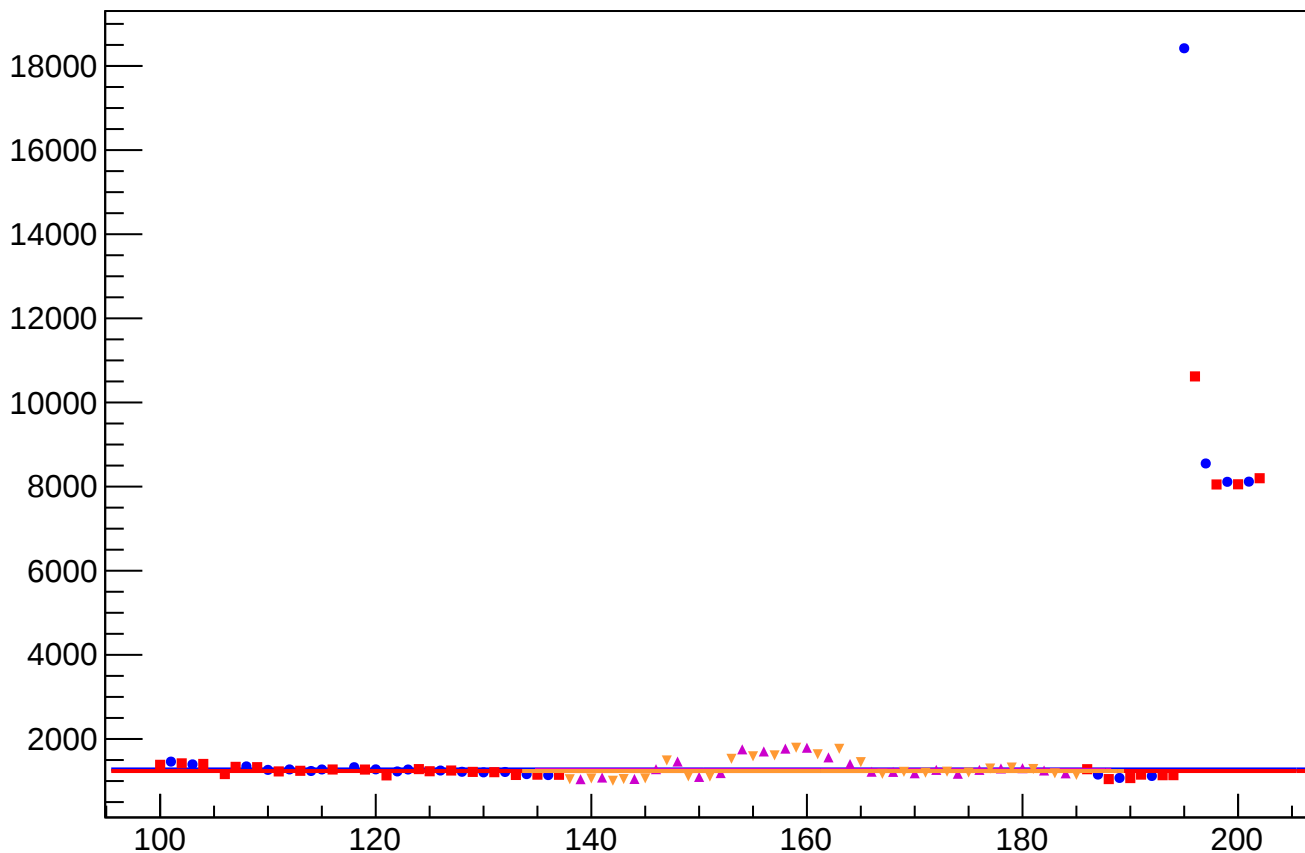
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.927 ± 0.242 $\chi^2/\text{NDF}: 712.7/48$

All: -1.577 ± 0.170 $\chi^2/\text{NDF}: 2247.9/100$

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

diff_bpm0l08Y_rms vs Slug



Right In: 1276.009 $\pm$ 0.301 χ^2 /NDF: 4892123.2/23

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

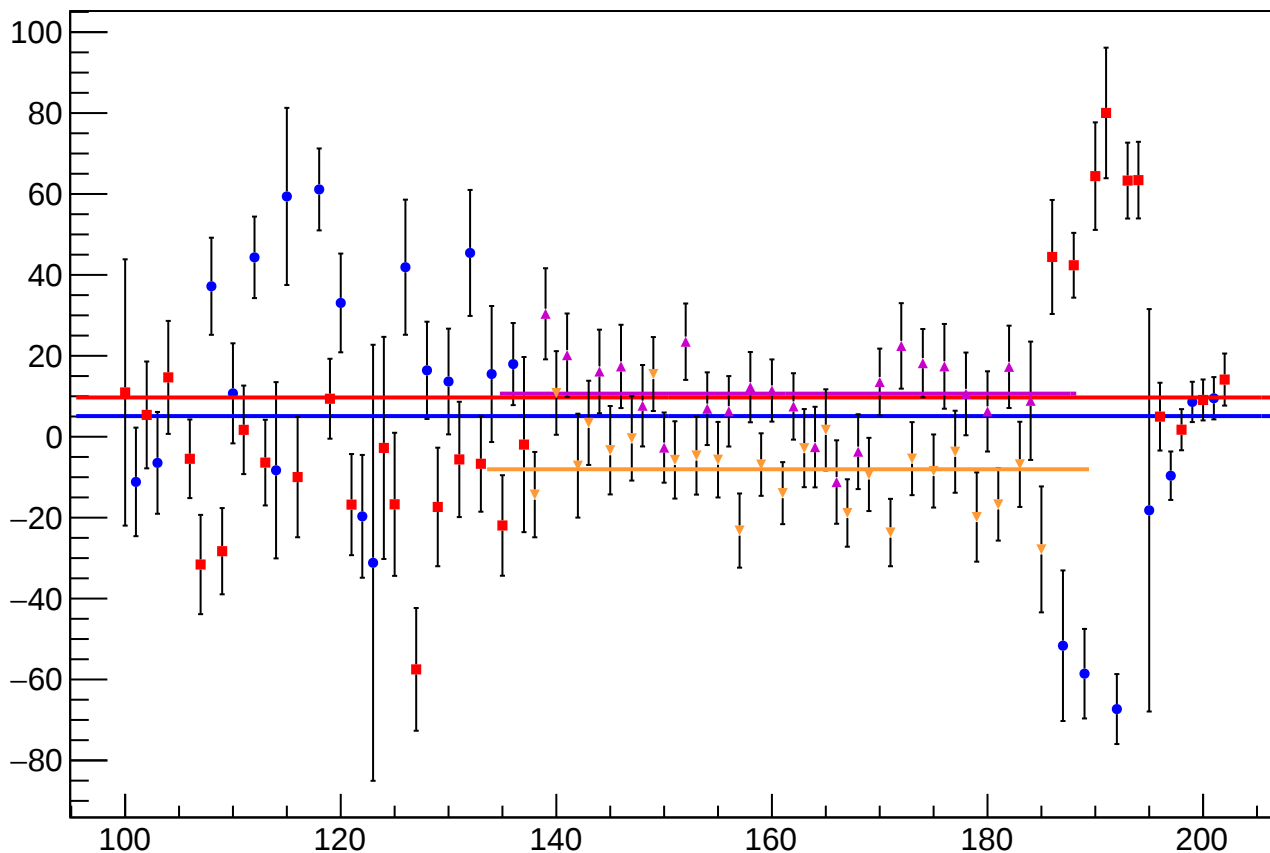
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1250.528 $\pm$ 0.171 χ^2 /NDF: 5867835.6/48

All: 1252.490 $\pm$ 0.120 χ^2 /NDF: 11025696.0/101

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

diff_bpm0l09X_mean vs Slug



Right In: 5.102 ± 2.113 χ^2/NDF : 205.3/23

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

Right Out: 9.703 ± 1.892 χ^2/NDF : 197.9/28

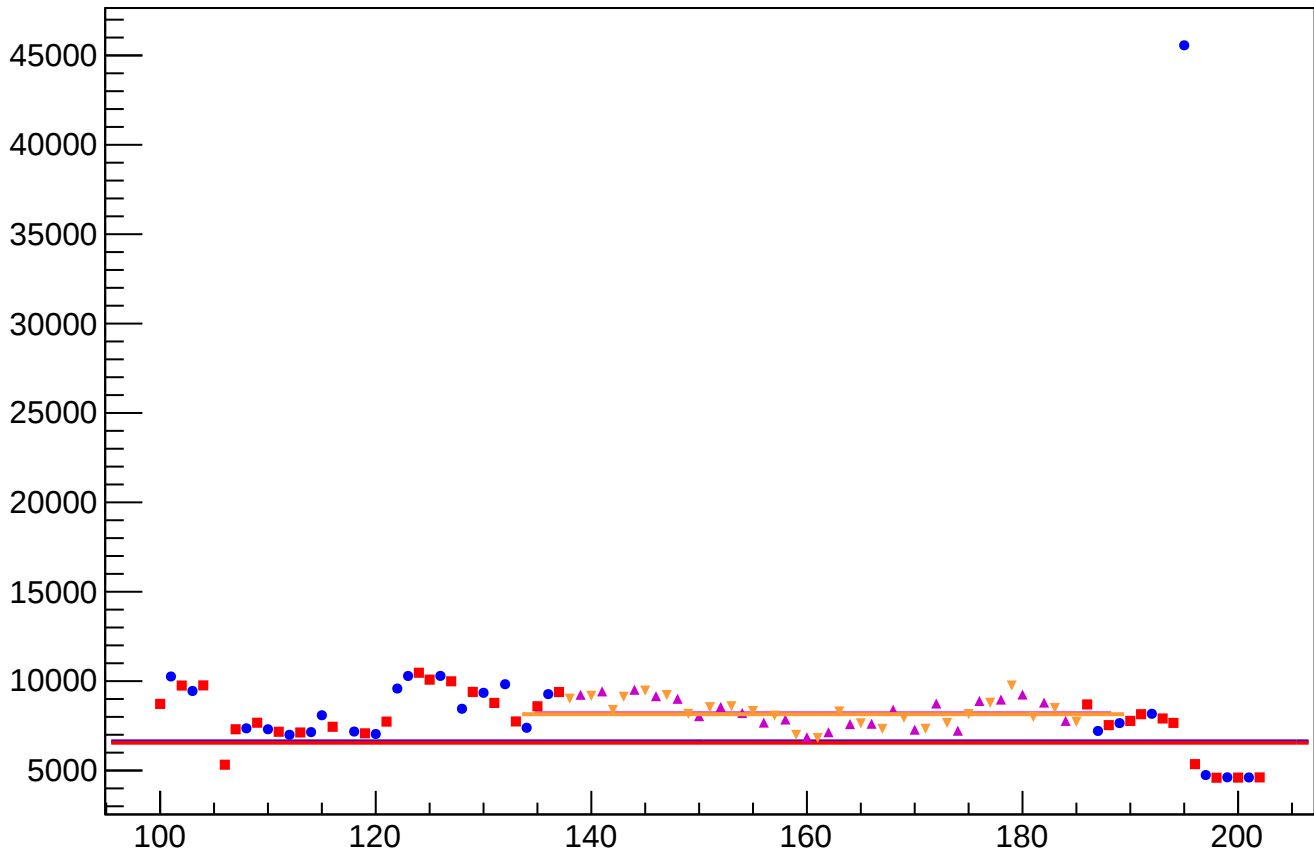
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign -2.105 ± 1.420 χ^2/NDF : 252.8/48

All: 4.244 ± 0.986 χ^2/NDF : 510.8/100

- sign 10.155 ± 1.371 χ^2/NDF : 219.4/51

diff_bpm0l09X_rms vs Slug



Right In: 6628.944 ± 1.494 $\chi^2/\text{NDF}: 2949752.5/23$

Left Out: 8151.489 ± 1.356 $\chi^2/\text{NDF}: 321803.3/24$

Right Out: 6555.833 ± 1.338 $\chi^2/\text{NDF}: 1790147.3/28$

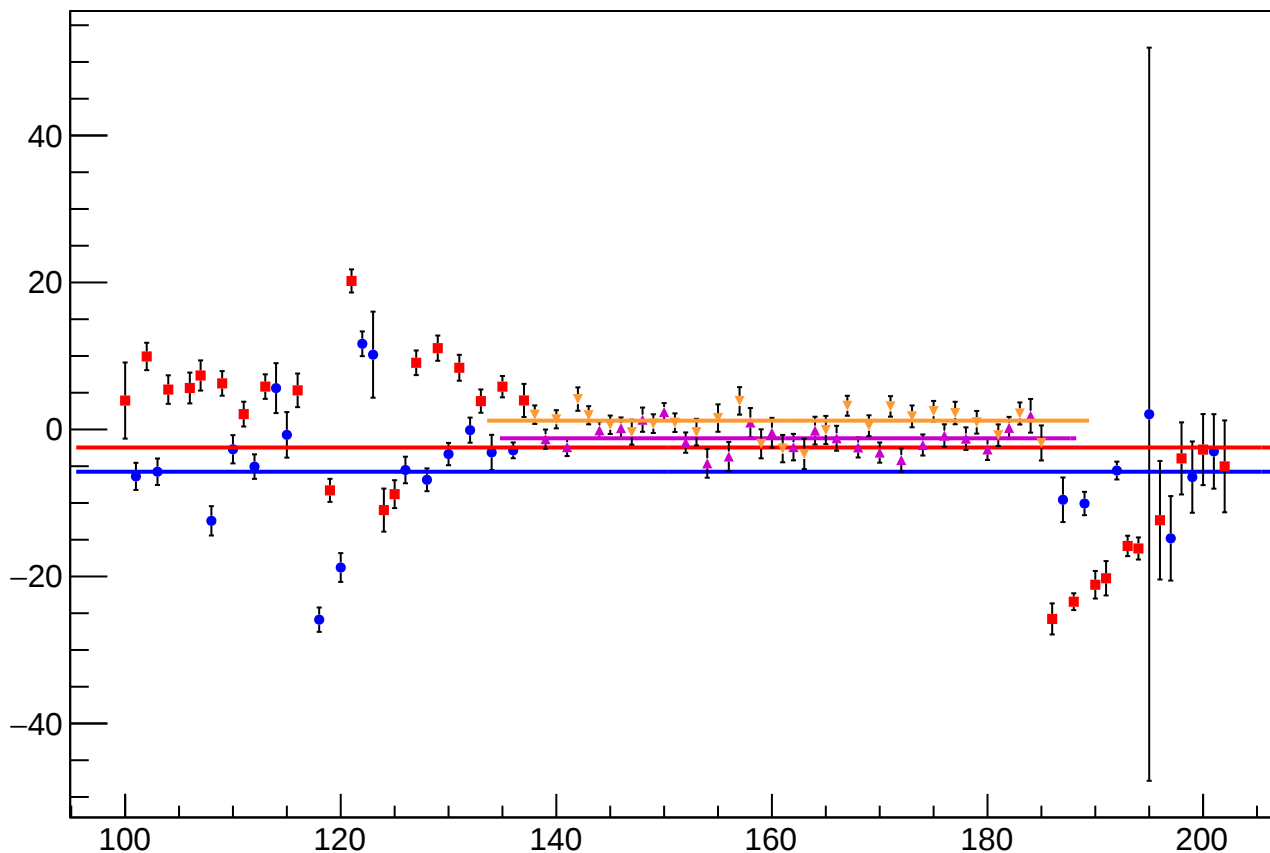
Left In: 8193.636 ± 1.405 $\chi^2/\text{NDF}: 338377.6/22$

+ sign 7463.721 ± 1.004 $\chi^2/\text{NDF}: 3840770.4/48$

All: 7396.836 ± 0.697 $\chi^2/\text{NDF}: 6690188.0/10$

- sign 7334.558 ± 0.969 $\chi^2/\text{NDF}: 2840852.5/51$

diff_bpm0l09Y_mean vs Slug



Right In: -5.748 ± 0.392 χ^2/NDF : 368.6/23

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

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

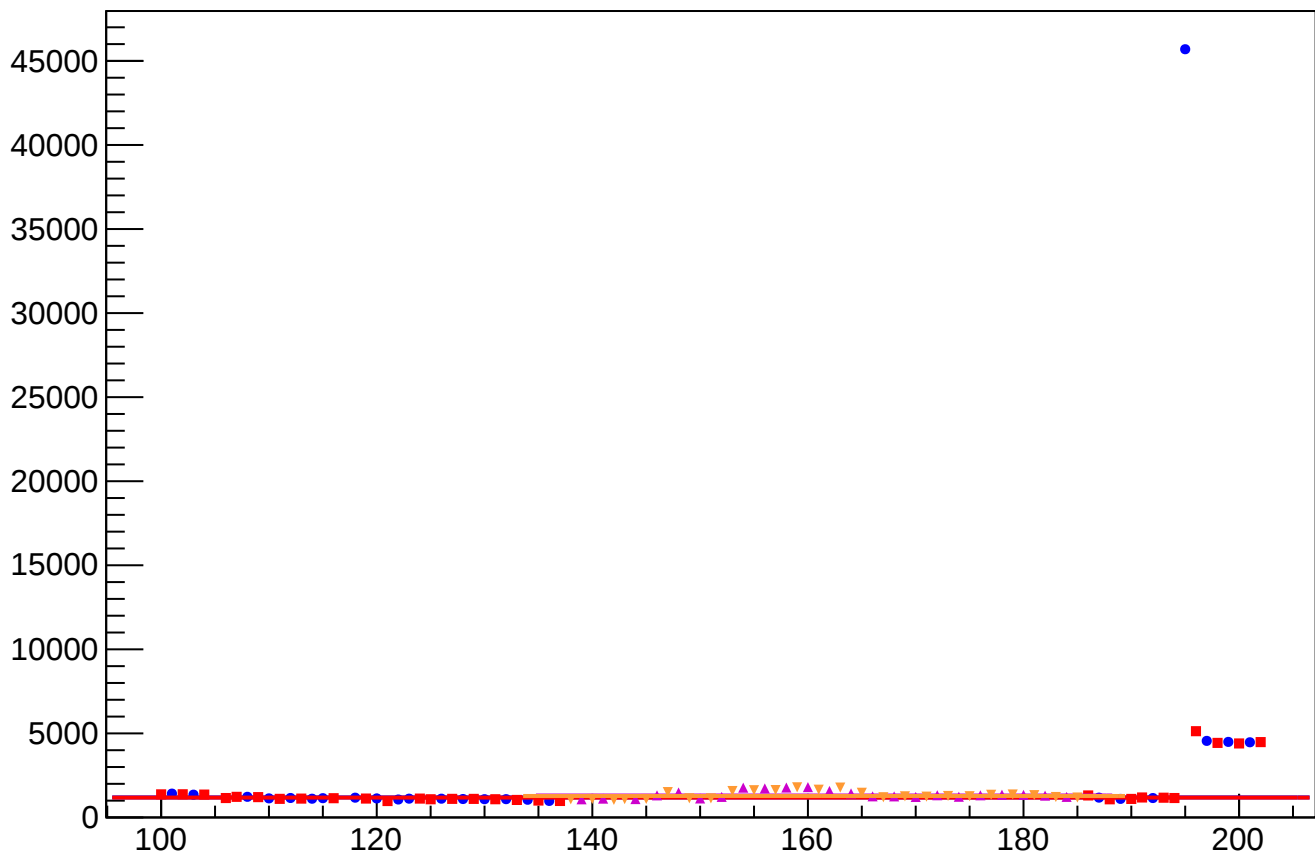
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.393 ± 0.239 χ^2/NDF : 595.9/48

All: -1.581 ± 0.168 χ^2/NDF : 2043.6/100

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

diff_bpm0l09Y_rms vs Slug



Right In: 1191.451+/-0.277 χ^2/NDF : 4225625.8/23

Left Out: 1277.916+/-0.214 χ^2/NDF : 878127.9/24

Right Out: 1181.588+/-0.248 χ^2/NDF : 2999722.7/28

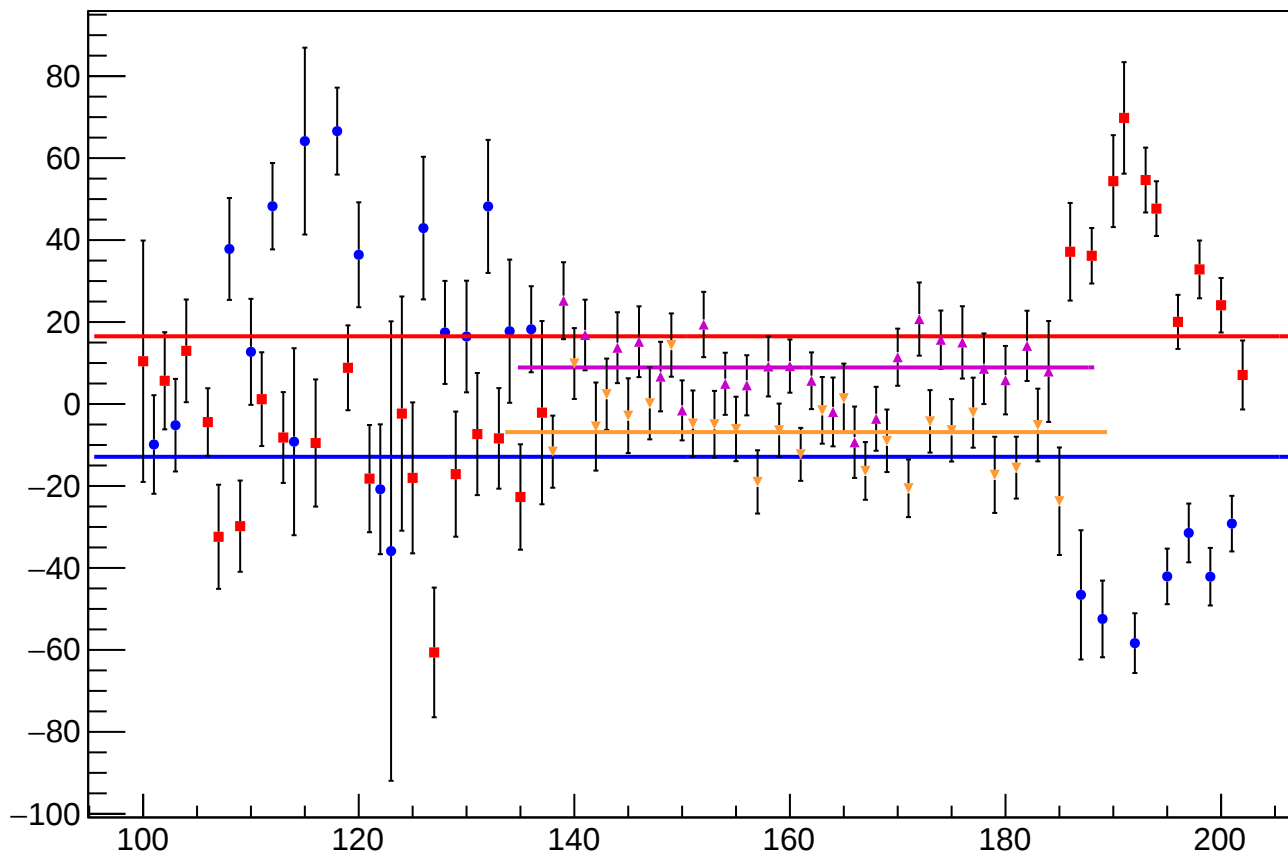
Left In: 1305.541+/-0.225 χ^2/NDF : 760450.8/22

+ sign 1245.624+/-0.169 χ^2/NDF : 5164804.4/48

All: 1247.604+/-0.119 χ^2/NDF : 9062454.5/100

- sign 1249.520+/-0.167 χ^2/NDF : 3897380.8/51

diff_bpm0l10X_mean vs Slug



Right In: -12.880 ± 2.193 χ^2/NDF : 294.0/23

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

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

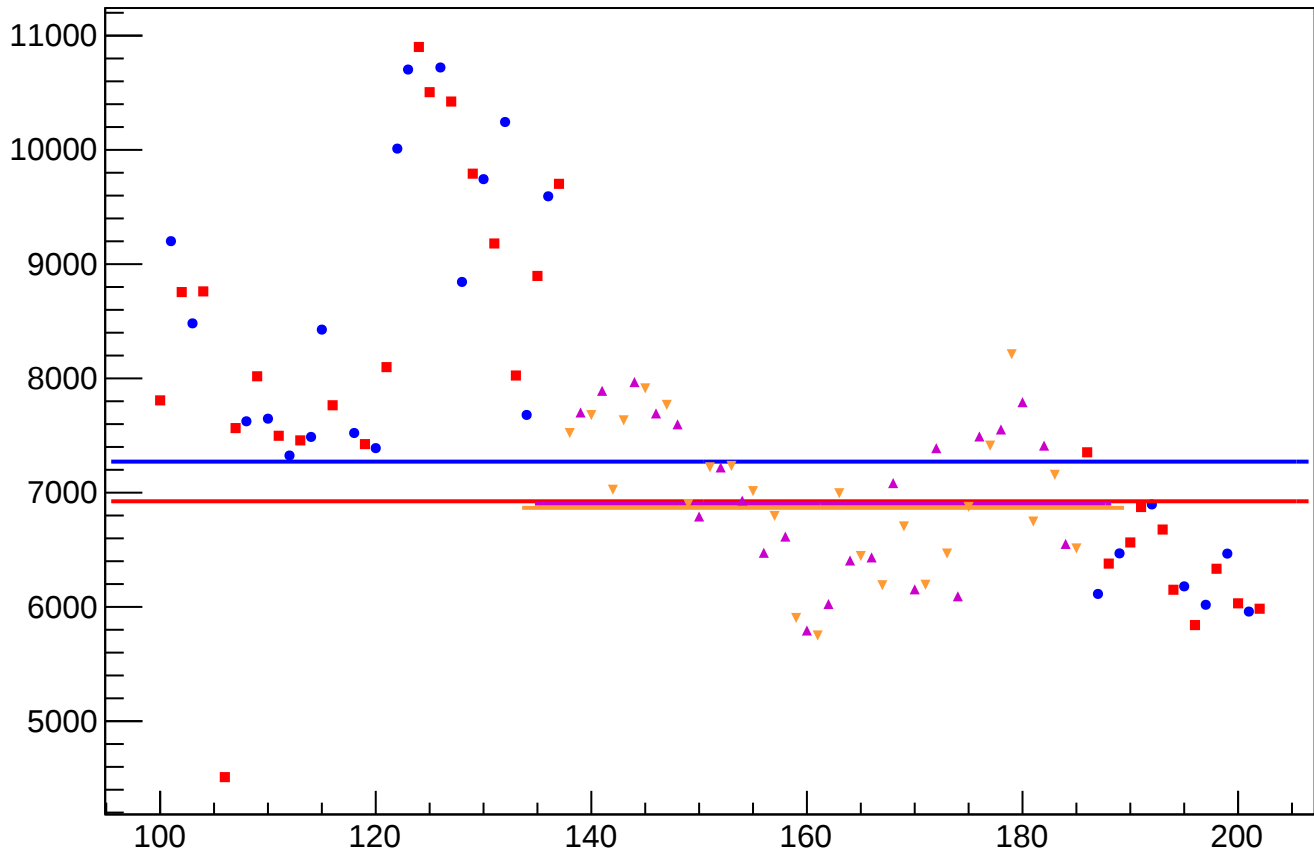
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -8.974 ± 1.301 χ^2/NDF : 327.6/48

All: 1.930 ± 0.906 χ^2/NDF : 692.1/100

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

diff_bpm0l10X_rms vs Slug



Right In: 7271.624+/-1.551 χ^2/NDF : 738471.6/23

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

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

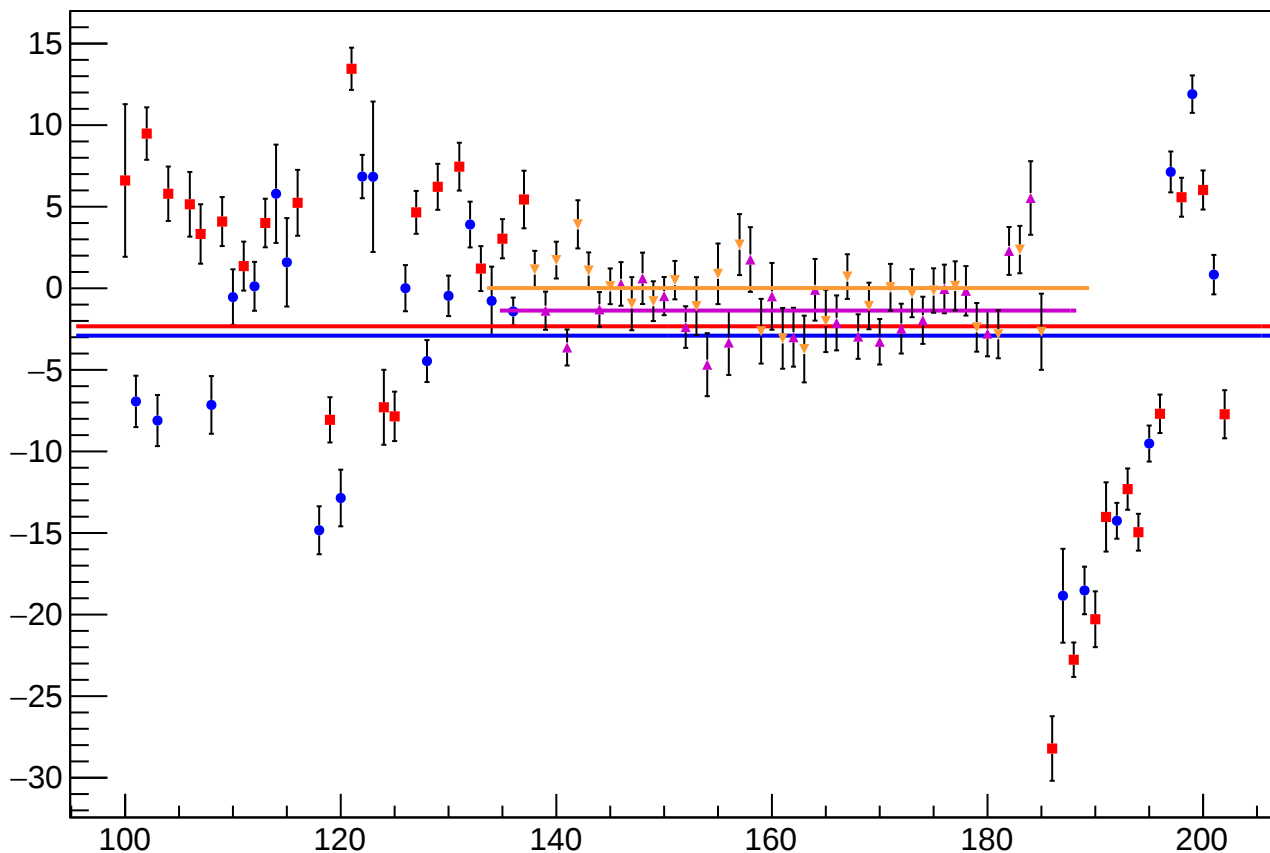
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 7009.587+/-0.920 χ^2/NDF : 1089421.9/48

All: 6959.810+/-0.641 χ^2/NDF : 2343480.5/10

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

diff_bpm0l10Y_mean vs Slug



Right In: -2.904 ± 0.291 χ^2/NDF : 762.4/23

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

Right Out: -2.330 ± 0.272 χ^2/NDF : 1501.4/28

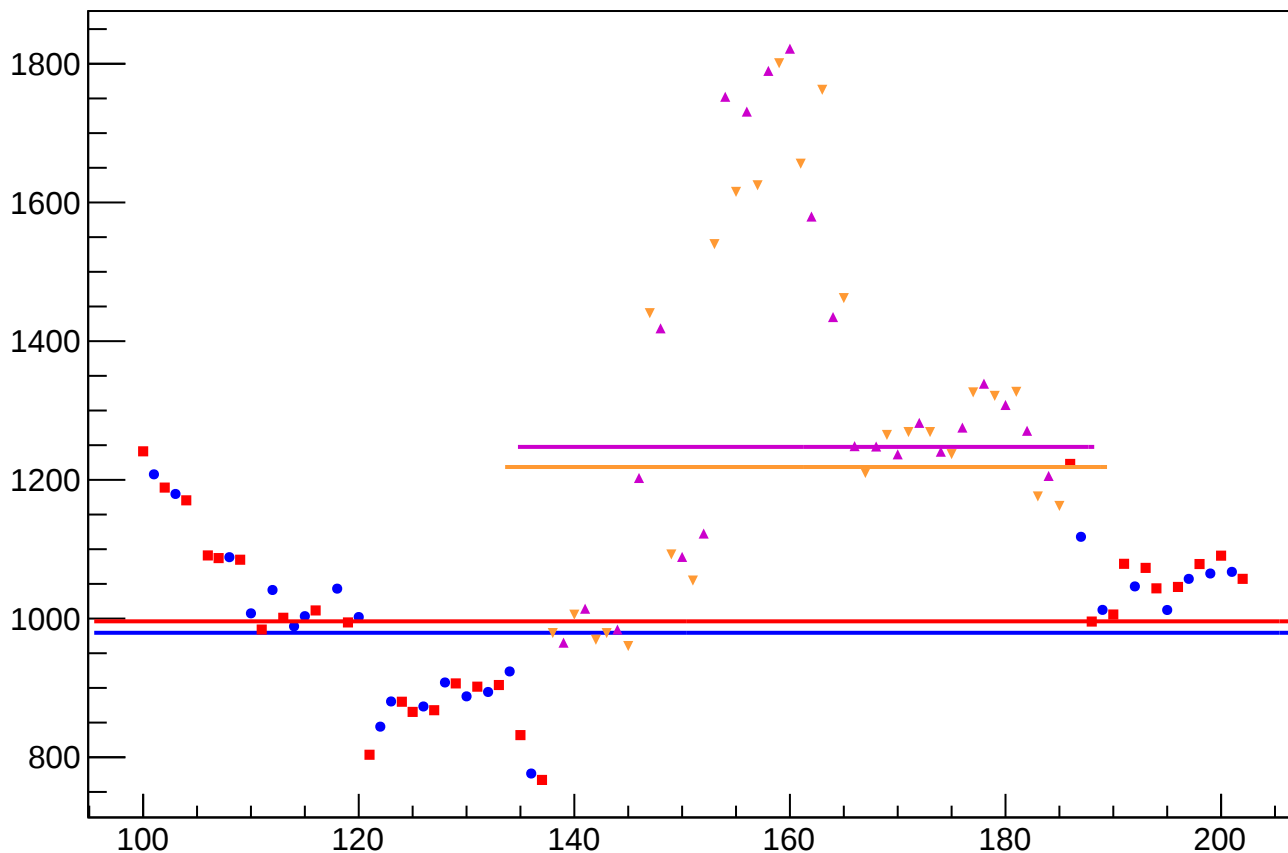
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -1.437 ± 0.206 χ^2/NDF : 847.8/48

All: -1.672 ± 0.145 χ^2/NDF : 2395.8/100

- sign -1.903 ± 0.203 χ^2/NDF : 1545.5/51

diff_bpm0l10Y_rms vs Slug



Right In: 979.490 $\pm$ 0.206 χ^2 /NDF: 308275.4/23

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

Right Out: 996.008 $\pm$ 0.193 χ^2 /NDF: 321882.9/28

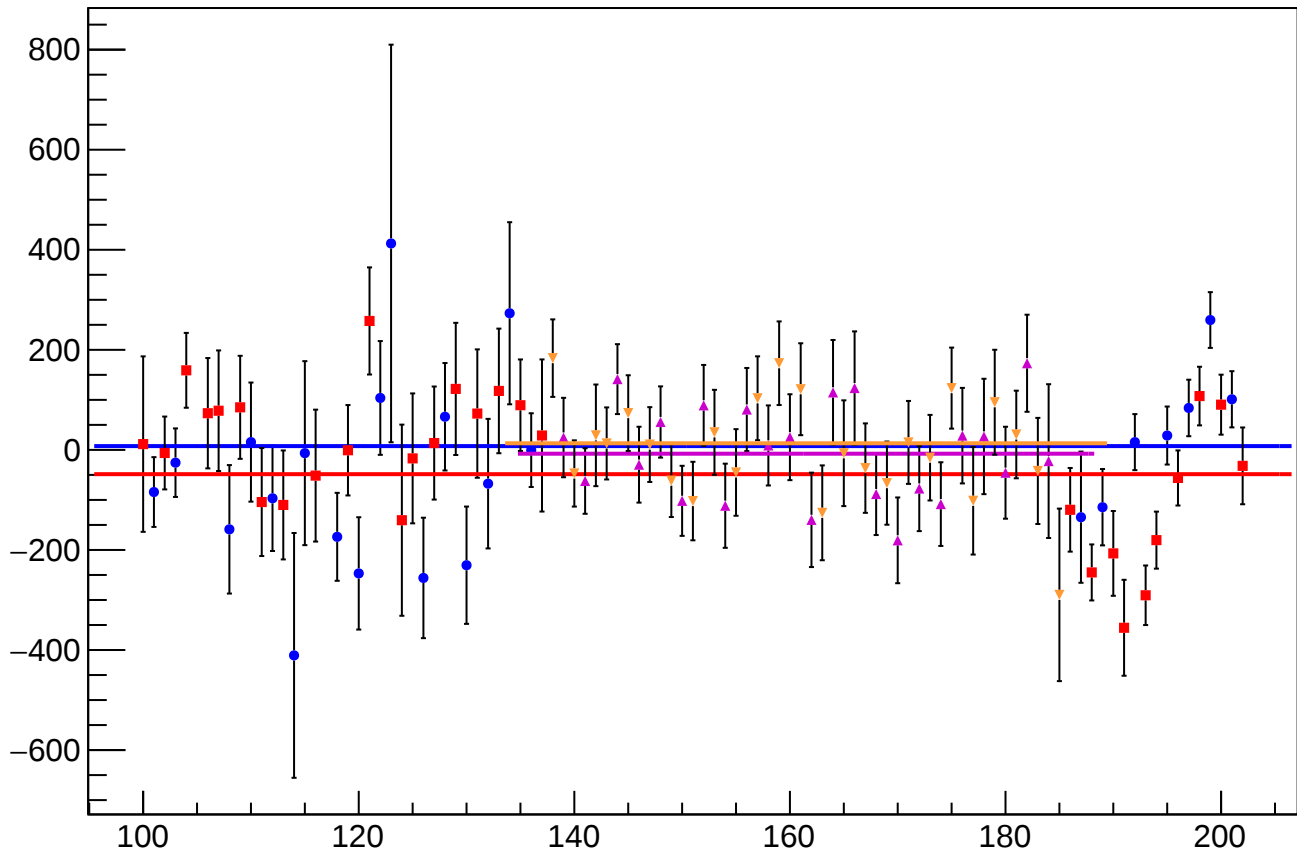
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1099.639 $\pm$ 0.145 χ^2 /NDF: 2250441.3/48

All: 1103.588 $\pm$ 0.102 χ^2 /NDF: 4402247.1/10

- sign 1107.453 $\pm$ 0.144 χ^2 /NDF: 2150344.7/51

diff_bpm0r03X_mean vs Slug



Right In: 7.577 ± 17.461 χ^2/NDF : 59.3/23

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

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

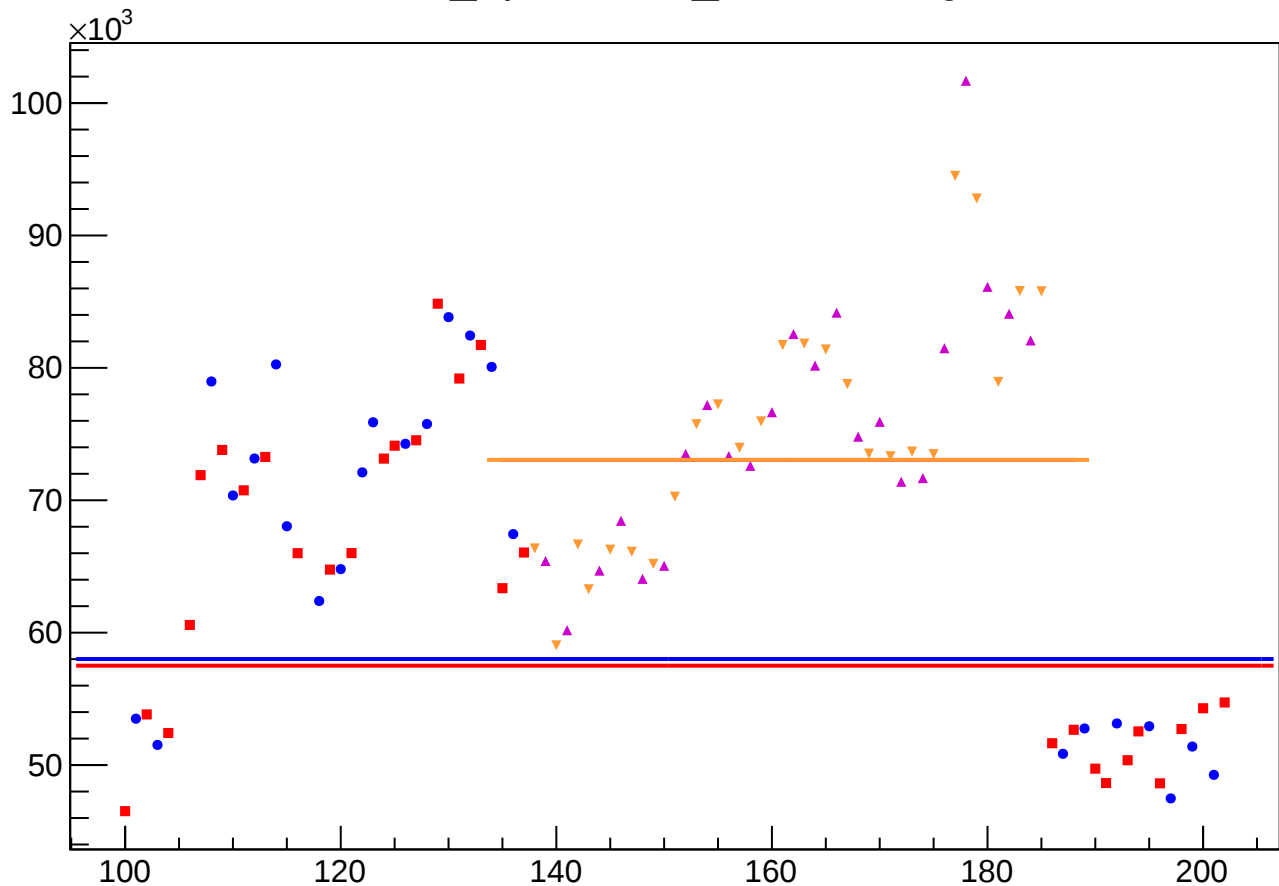
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign 10.443 ± 12.234 χ^2/NDF : 86.2/48

All: -10.609 ± 8.498 χ^2/NDF : 212.9/100

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

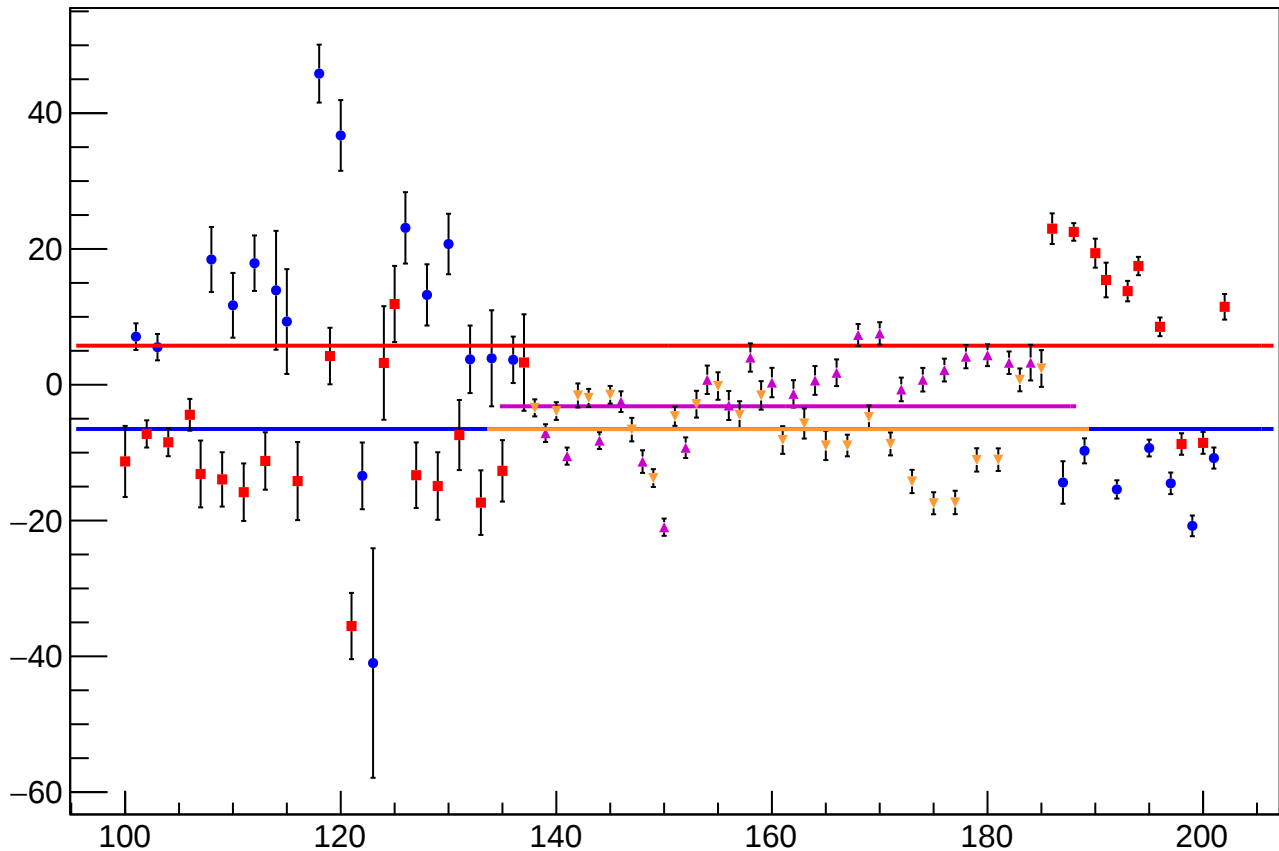
diff_bpm0r03X_rms vs Slug



Right In: 58008.912 ± 12.347 $\chi^2/\text{NDF}: 725652.1/23$
 Left Out: 73054.401 ± 12.124 $\chi^2/\text{NDF}: 473050.9/24$
 Right Out: 57507.331 ± 11.233 $\chi^2/\text{NDF}: 709286.9/28$
 Left In: 73045.500 ± 12.496 $\chi^2/\text{NDF}: 463525.5/22$

+ sign 65668.594 ± 8.651 $\chi^2/\text{NDF}: 1954666.6/48$
 All: 65039.069 ± 6.009 $\chi^2/\text{NDF}: 3992873.7/1$
 - sign 64452.013 ± 8.354 $\chi^2/\text{NDF}: 2027973.1/51$

diff_bpm0r03Y_mean vs Slug



Right In: -6.513 ± 0.502 $\chi^2/\text{NDF}: 682.1/23$

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

Right Out: 5.756 ± 0.444 $\chi^2/\text{NDF}: 926.0/28$

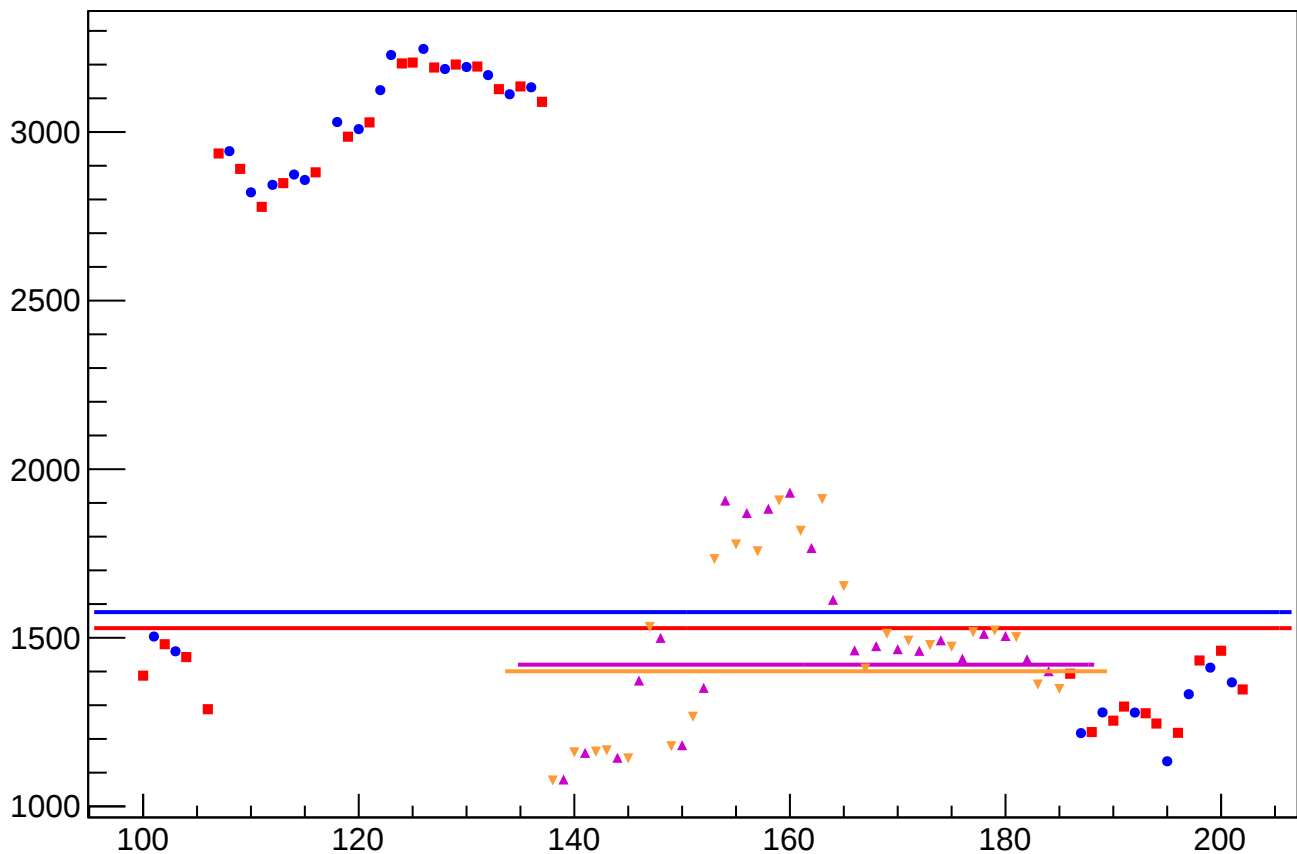
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -6.529 ± 0.277 $\chi^2/\text{NDF}: 934.8/48$

All: -3.114 ± 0.194 $\chi^2/\text{NDF}: 2899.8/100$

- sign 0.210 ± 0.273 $\chi^2/\text{NDF}: 1664.7/51$

diff_bpm0r03Y_rms vs Slug



Right In: 1576.113 $\pm$ 0.355 χ^2 /NDF: 3174043.5/23

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

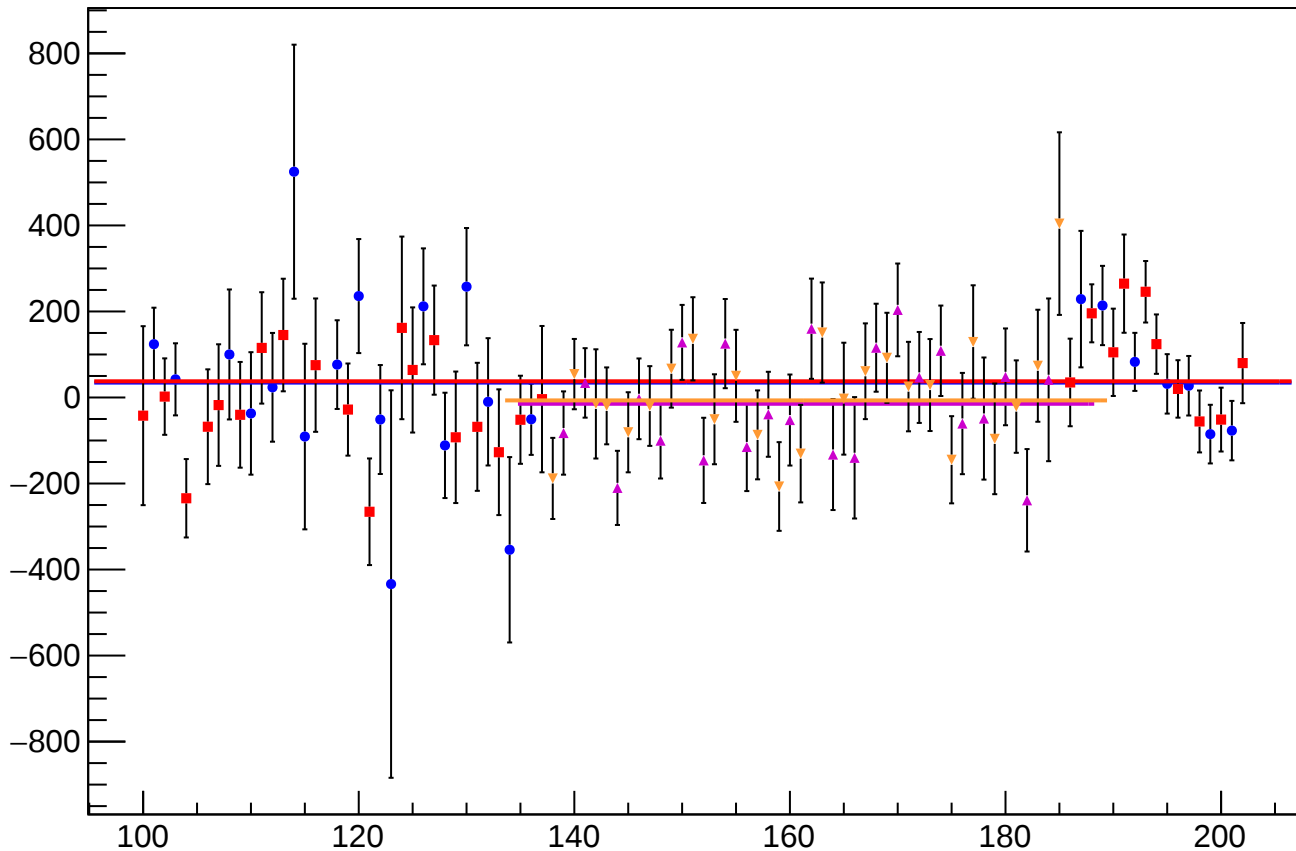
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF:905186.2/22

+ sign 1453.954 $\pm$ 0.196 χ^2 /NDF: 4381917.6/48

All: 1457.683 $\pm$ 0.137 χ^2 /NDF: 8647174.8/10

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

diff_bpm0r05X_mean vs Slug



Right In: 34.651+/-20.866 χ^2/NDF : 30.4/23

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

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

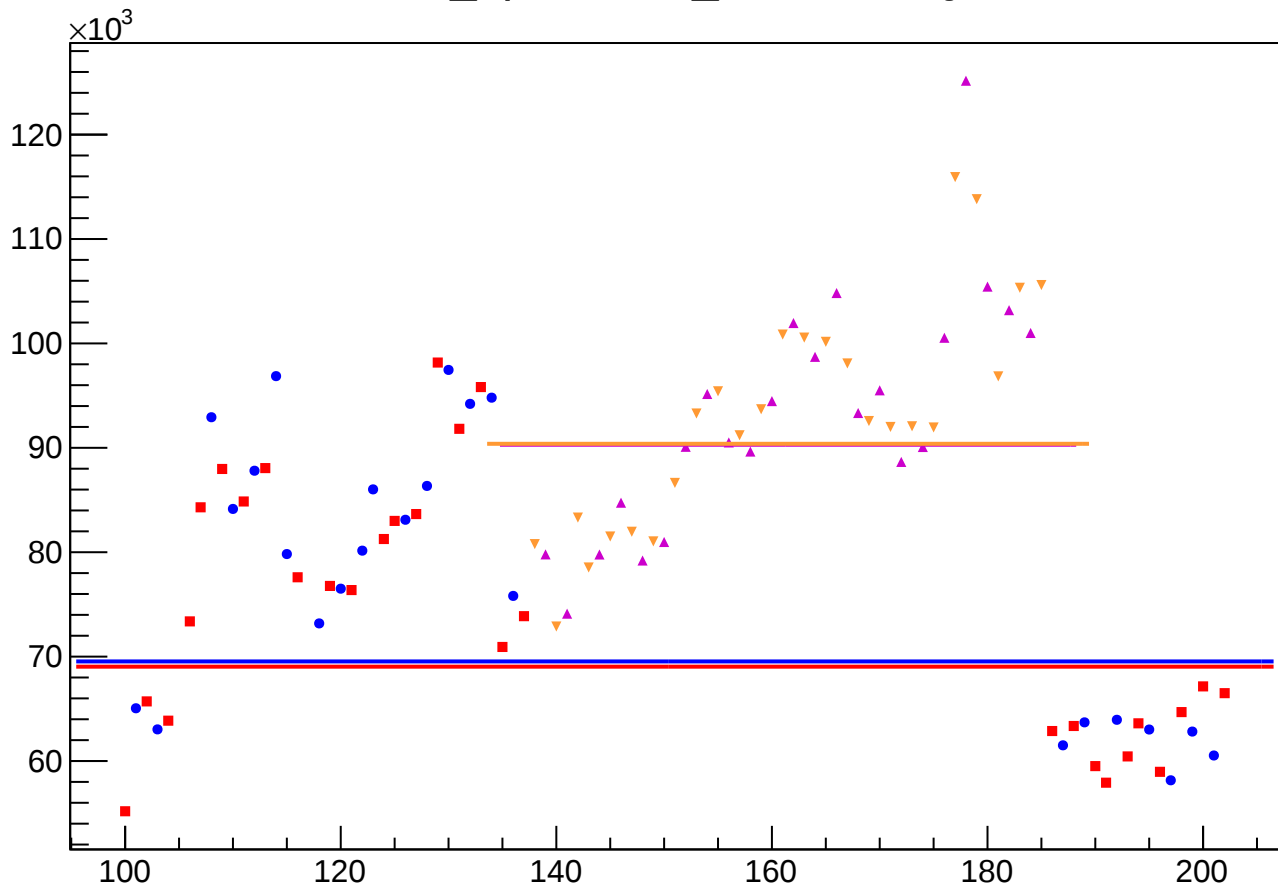
Left In: -14.611+/-21.846 χ^2/NDF : 29.8/22

+ sign 14.272+/-14.876 χ^2/NDF : 57.0/48

All: 14.693+/-10.328 χ^2/NDF : 135.5/100

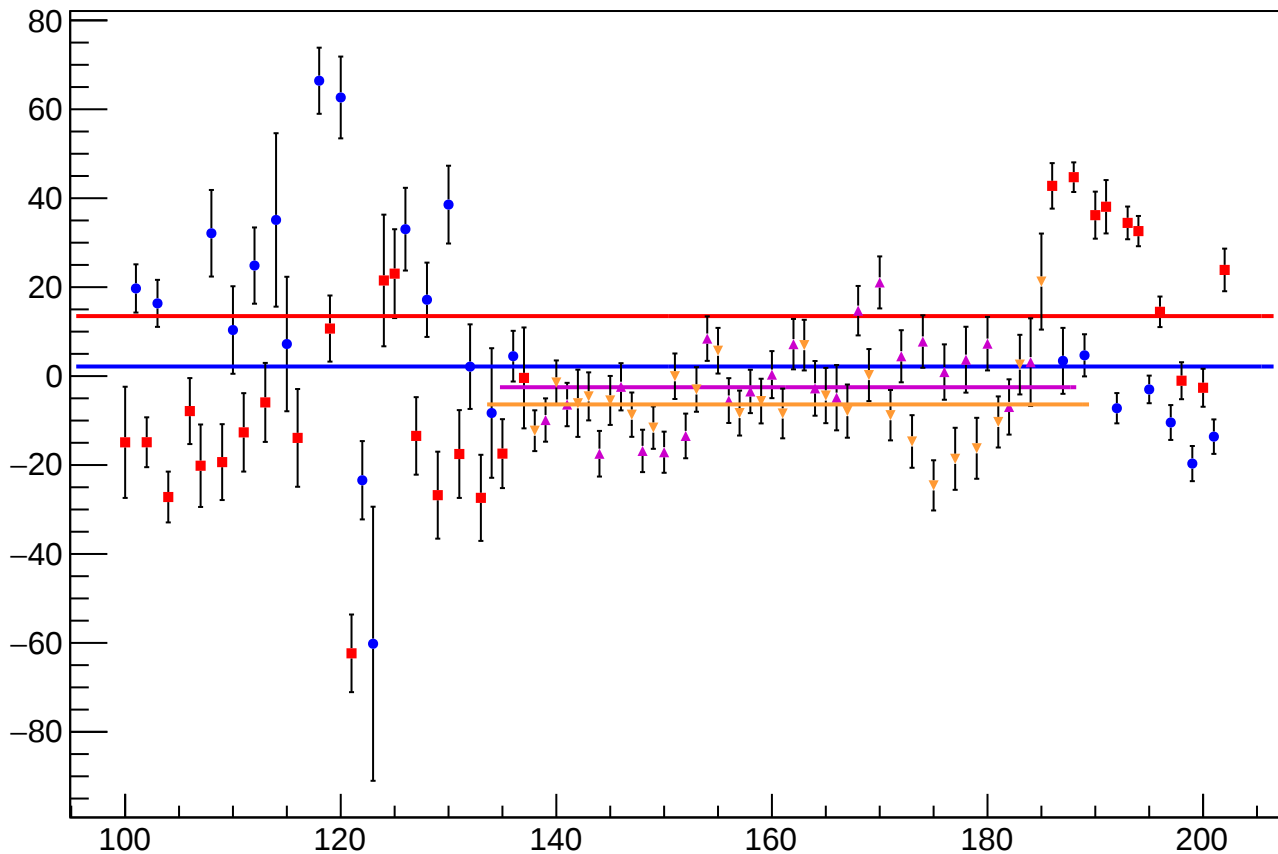
- sign 15.084+/-14.351 χ^2/NDF : 78.5/51

diff_bpm0r05X_rms vs Slug



Right In: 69539.439 $\pm$ 14.755	χ^2 /NDF: 563415.2/23	+ sign 79790.328 $\pm$ 10.519	χ^2 /NDF: 2006613.6/48
Left Out: 90384.853 $\pm$ 15.000	χ^2 /NDF: 461648.2/24	All: 78972.280 $\pm$ 7.303	χ^2 /NDF: 4138029.2/1
Right Out: 69038.106 $\pm$ 13.459	χ^2 /NDF: 582144.5/28	- sign 78210.906 $\pm$ 10.148	χ^2 /NDF: 2119738.2/51
Left In: 90293.591 $\pm$ 15.448	χ^2 /NDF: 461337.5/22		

diff_bpm0r05Y_mean vs Slug



Right In: 2.157 ± 1.205 χ^2/NDF : 268.6/23

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

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

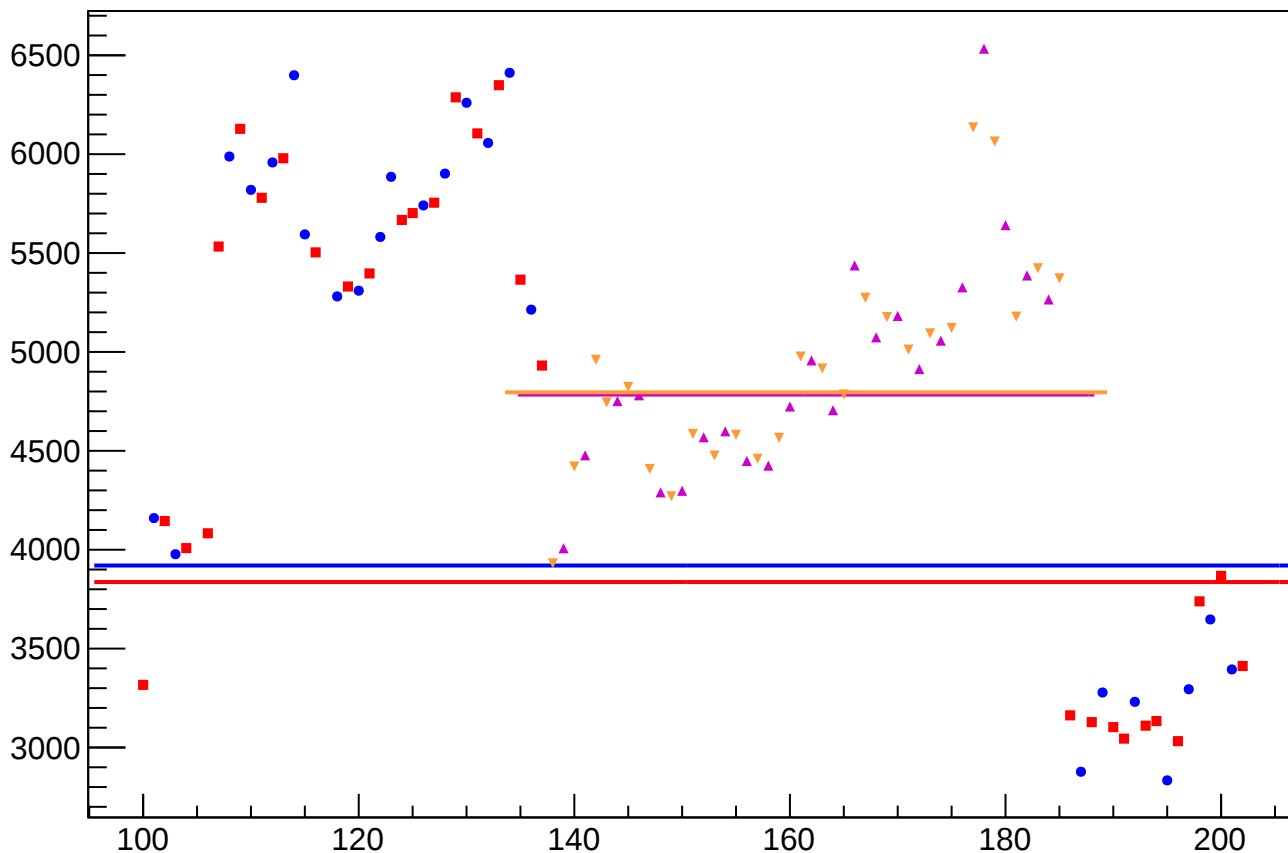
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -2.402 ± 0.822 χ^2/NDF : 340.8/48

All: 1.977 ± 0.569 χ^2/NDF : 1113.0/100

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

diff_bpm0r05Y_rms vs Slug



Right In: 3920.127+/-0.852 χ^2 /NDF: 1625758.5/23

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

Right Out: 3836.652+/-0.765 χ^2 /NDF: 1776625.9/28

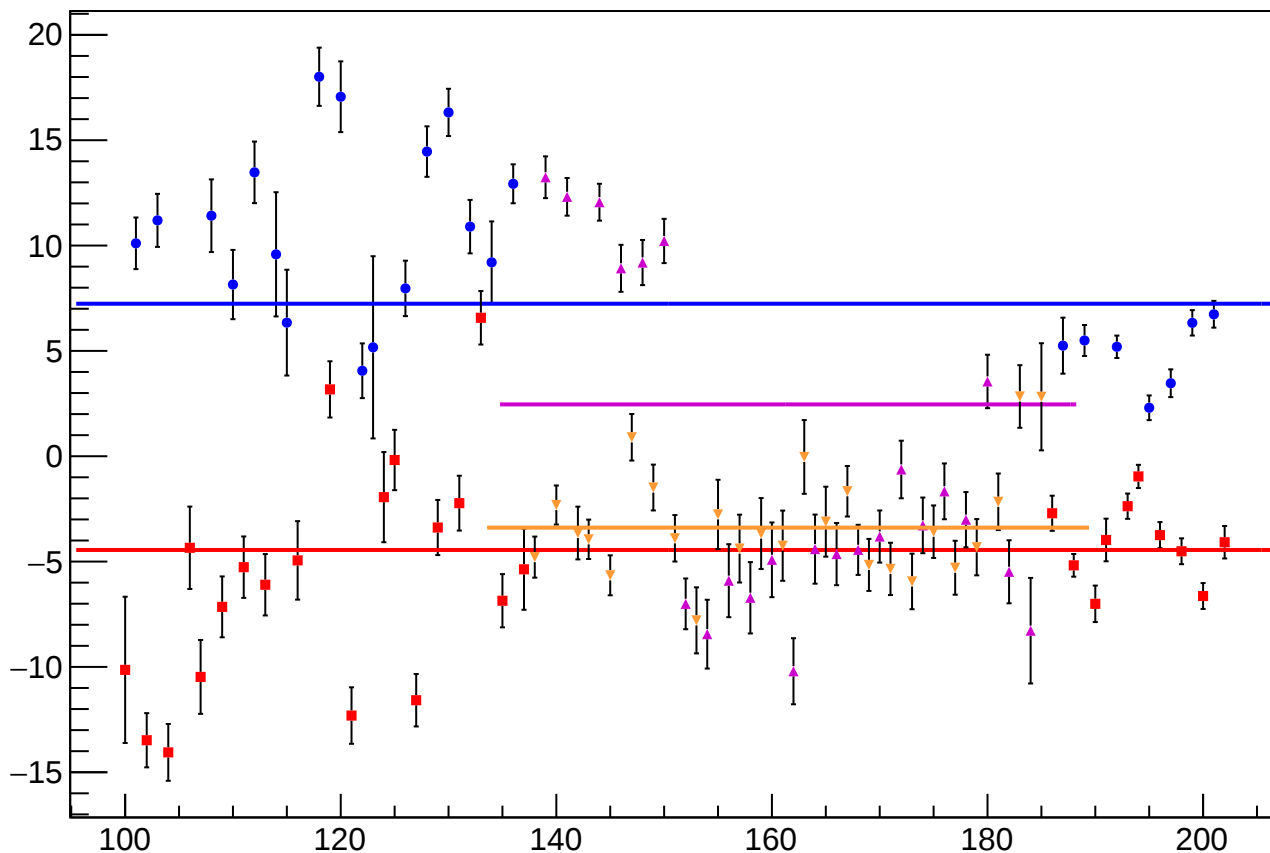
Left In: 4784.434+/-0.817 χ^2 /NDF:357507.2/22

+ sign 4388.355+/-0.581 χ^2 /NDF: 2552053.7/48

All: 4331.664+/-0.403 χ^2 /NDF: 5421146.9/10

- sign 4279.283+/-0.559 χ^2 /NDF: 2850781.4/51

diff_bpm2i01X_mean vs Slug



Right In: 7.239 ± 0.201 $\chi^2/\text{NDF}: 420.6/23$

Left Out: -3.390 ± 0.252 $\chi^2/\text{NDF}: 77.7/24$

Right Out: -4.449 ± 0.178 $\chi^2/\text{NDF}: 394.0/28$

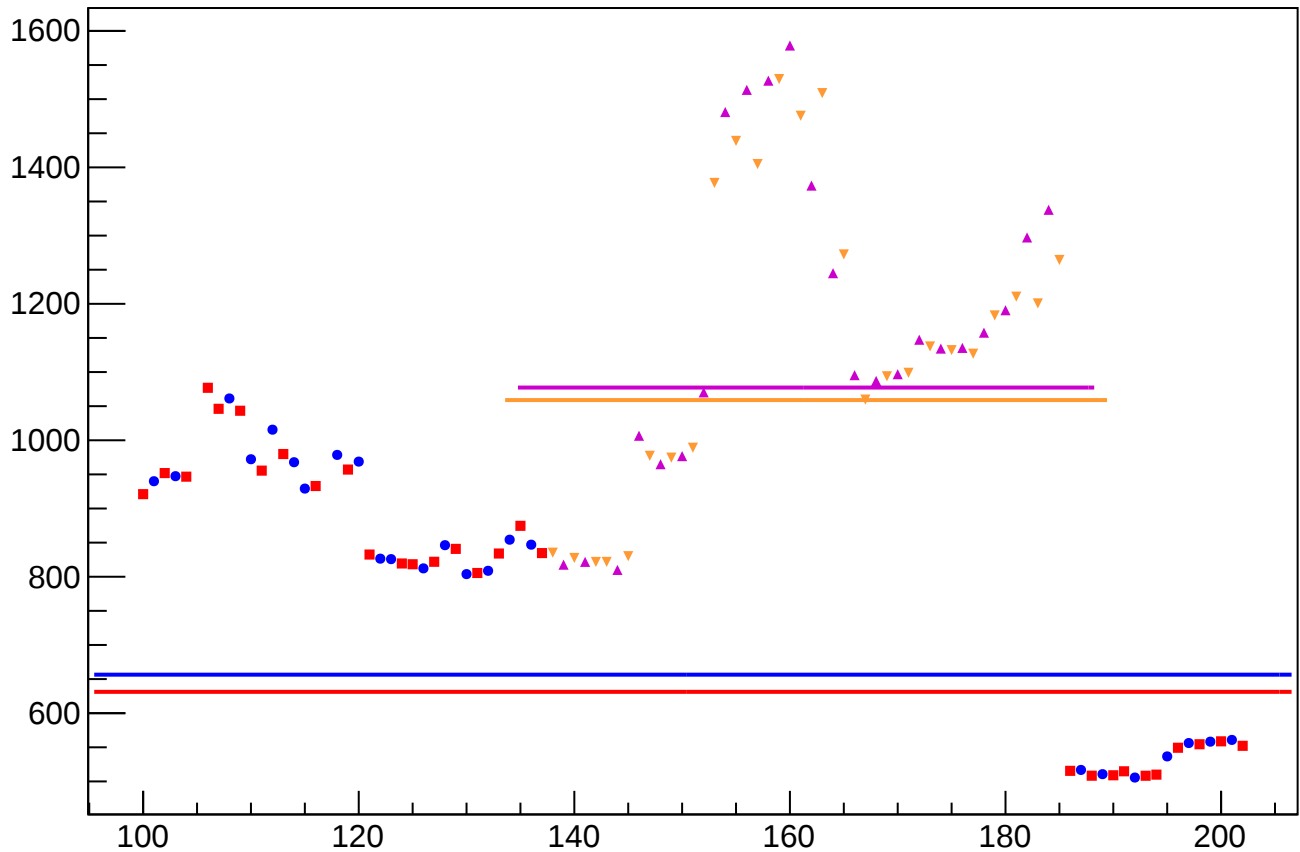
Left In: 2.461 ± 0.264 $\chi^2/\text{NDF}: 928.0/22$

+ sign 3.117 ± 0.157 $\chi^2/\text{NDF}: 1585.3/48$

All: 0.244 ± 0.108 $\chi^2/\text{NDF}: 4007.5/100$

- sign -2.294 ± 0.148 $\chi^2/\text{NDF}: 1792.1/51$

diff_bpm2i01X_rms vs Slug



Right In: 656.469+/-0.142 χ^2/NDF : 1517489.1/23

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

Right Out: 631.297+/-0.126 χ^2/NDF : 1893050.8/28

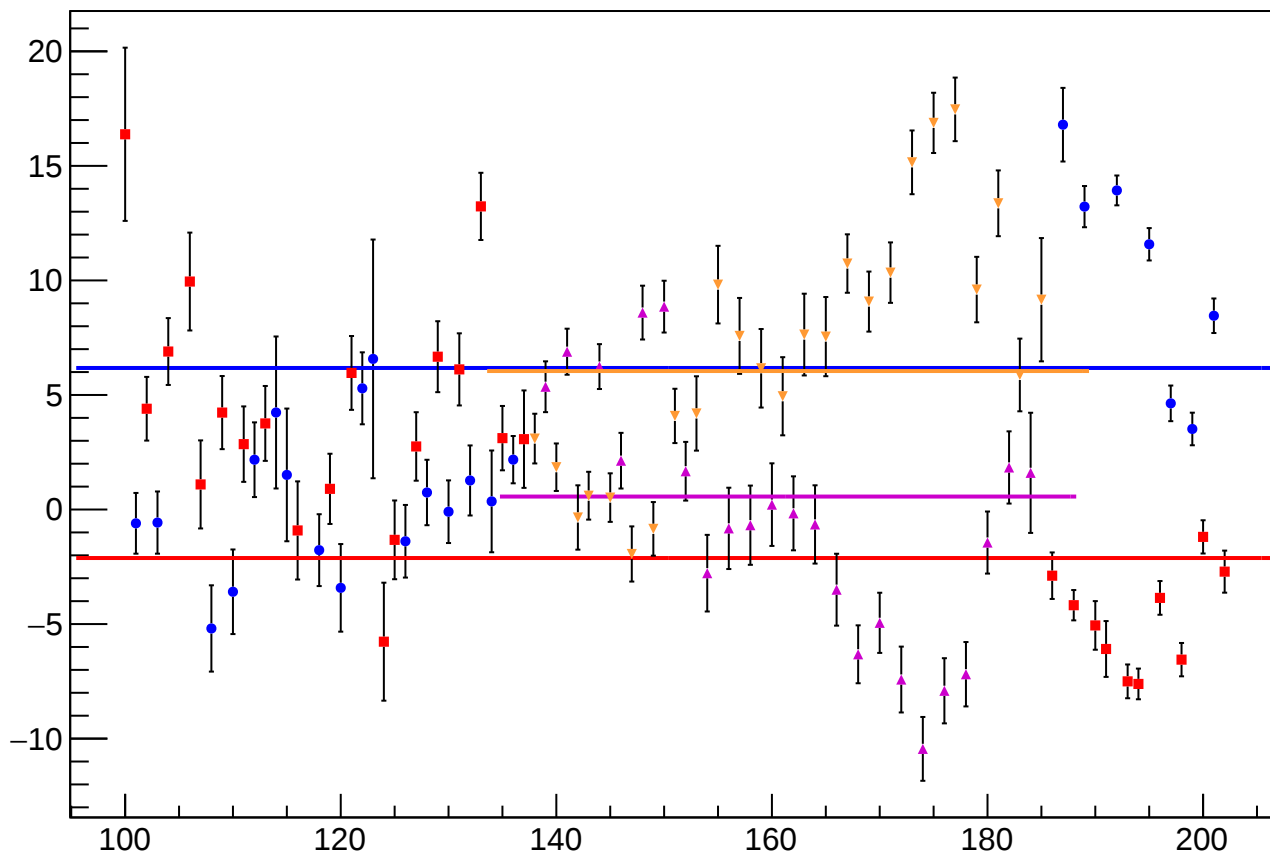
Left In: 1077.284+/-0.187 χ^2/NDF : 1280349.9/22

+ sign 812.551+/-0.111 χ^2/NDF : 6037534.9/48

All: 790.160+/-0.076 χ^2/NDF : 13204361.8/10

- sign 770.383+/-0.104 χ^2/NDF : 7090299.8/51

diff_bpm2i01Y_mean vs Slug



Right In: 6.179 ± 0.237 χ^2/NDF : 598.2/23

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

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

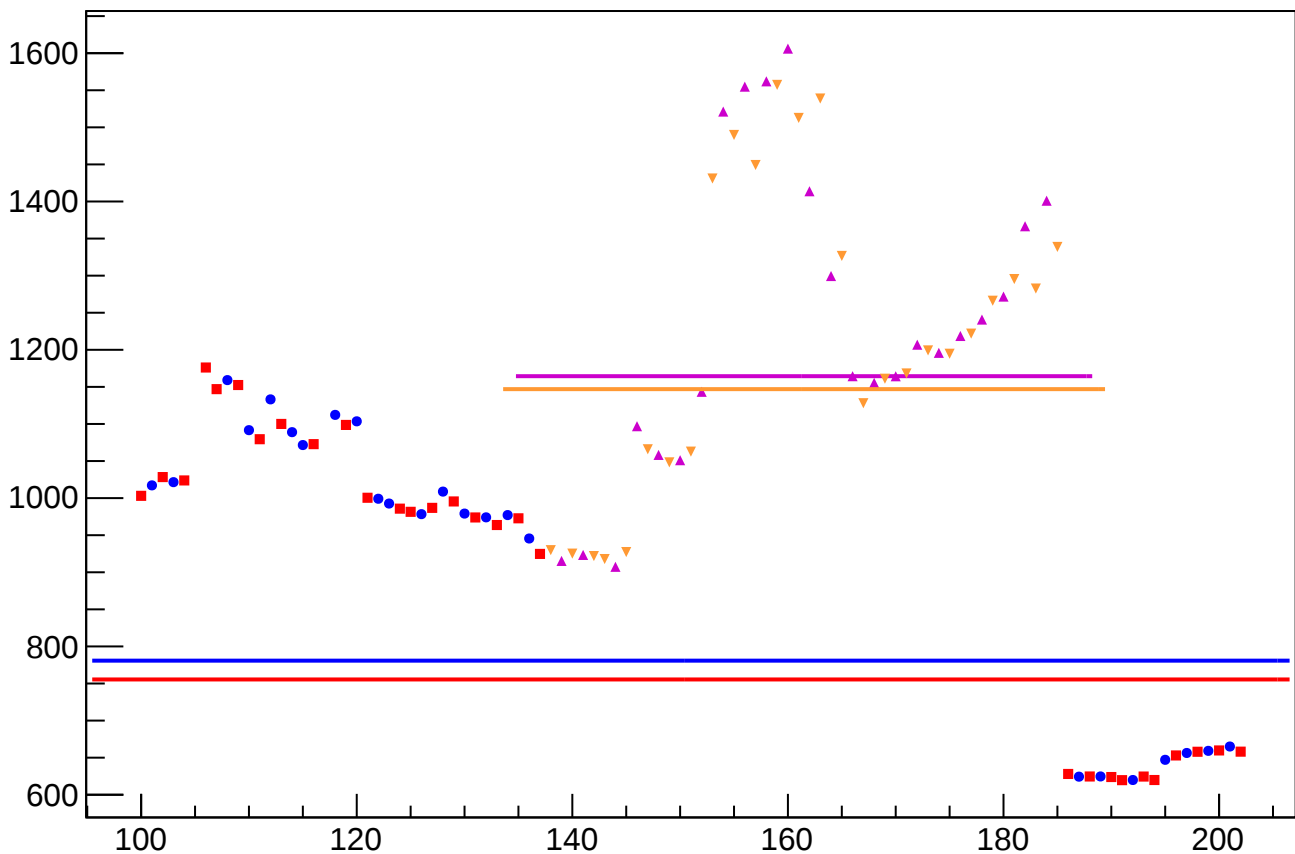
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

+ sign 6.121 ± 0.179 χ^2/NDF : 1029.1/48

All: 2.290 ± 0.123 χ^2/NDF : 2958.5/100

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

diff_bpm2i01Y_rms vs Slug



Right In: 780.825+/-0.168 χ^2/NDF : 1235411.5/23

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

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

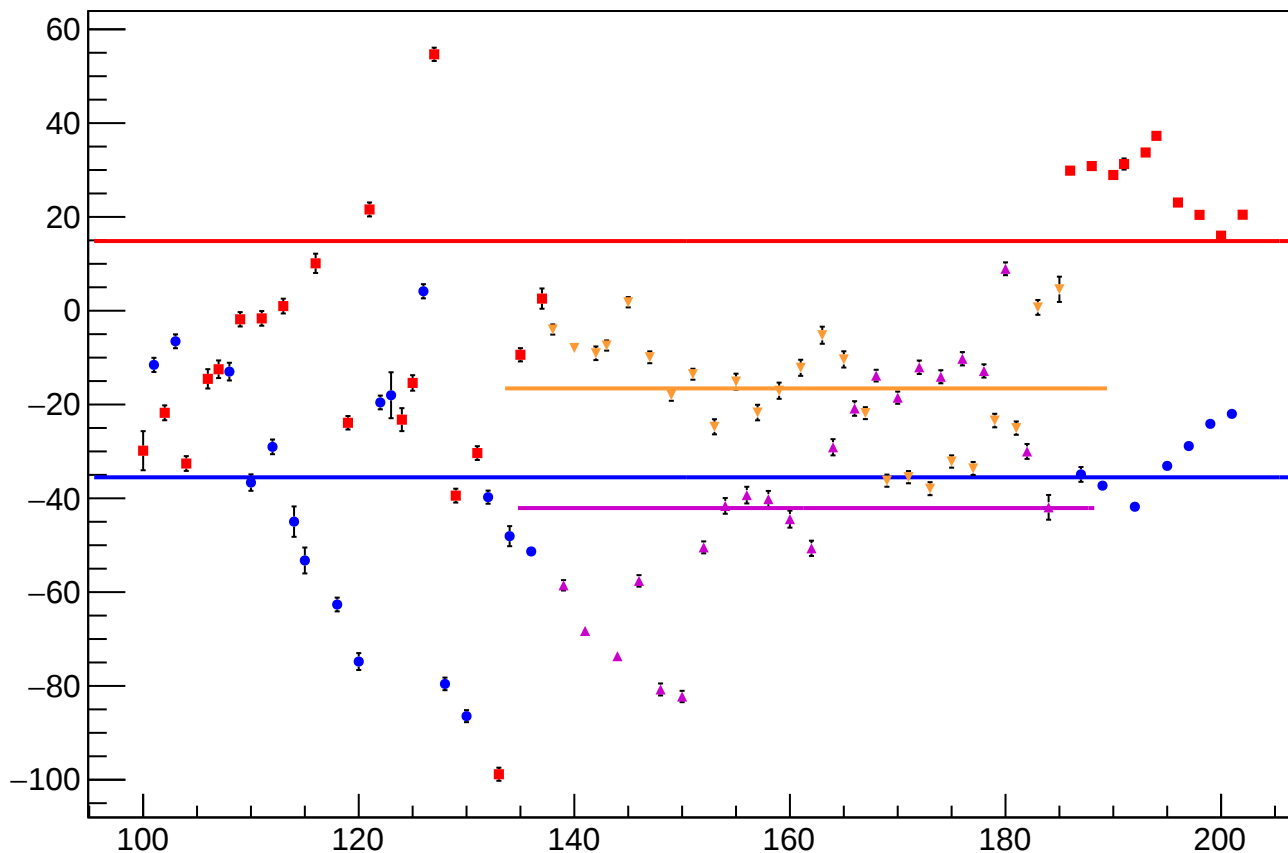
Left In: 1164.432+/-0.201 χ^2/NDF : 944112.0/22

+ sign 939.262+/-0.126 χ^2/NDF : 4341867.1/48

All: 919.259+/-0.087 χ^2/NDF : 9523072.2/100

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

diff_bpm2i02X_mean vs Slug



Right In: -35.519 ± 0.234 $\chi^2/\text{NDF}: 6159.1/23$

Left Out: -16.567 ± 0.275 $\chi^2/\text{NDF}: 1931.2/24$

Right Out: 14.851 ± 0.208 $\chi^2/\text{NDF}: 16918.4/28$

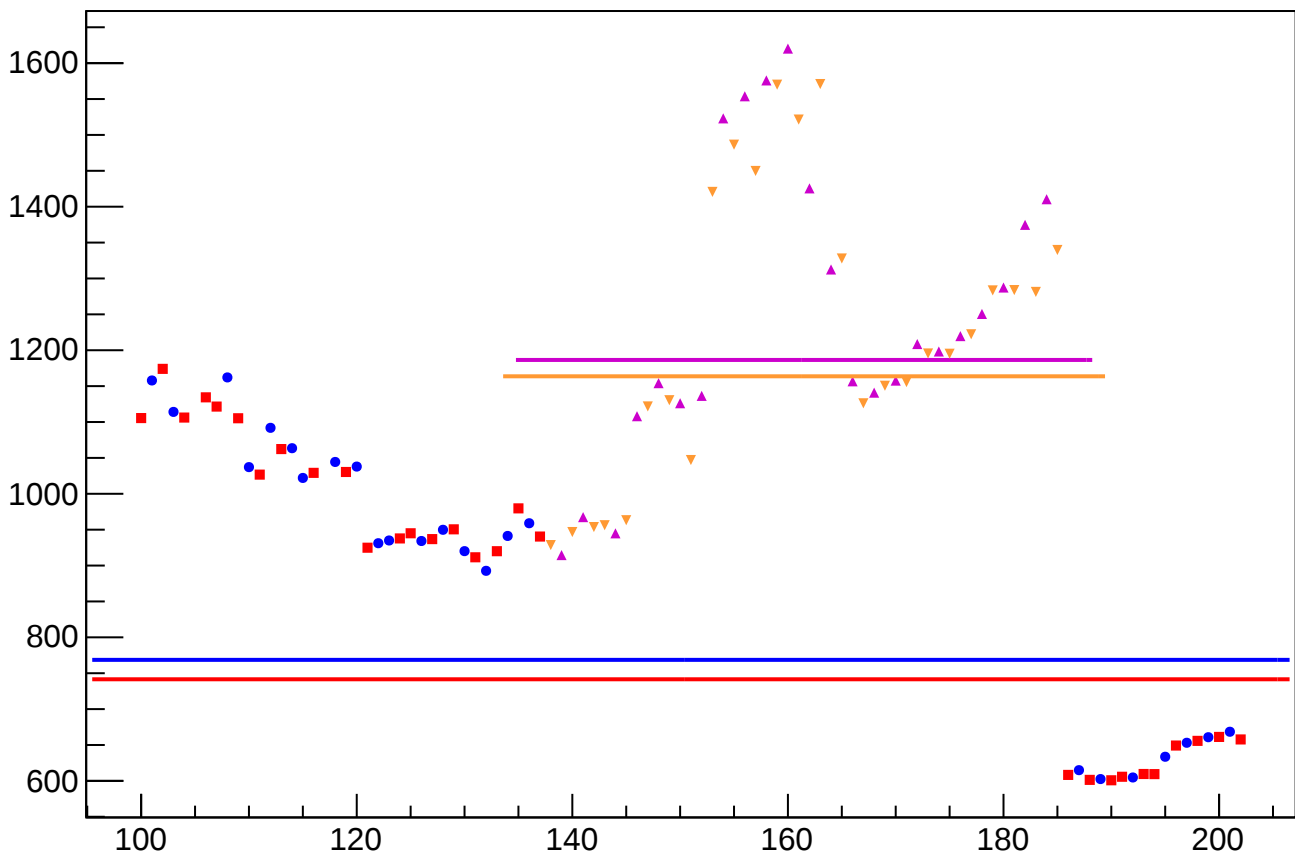
Left In: -42.077 ± 0.289 $\chi^2/\text{NDF}: 8332.3/22$

+ sign -27.585 ± 0.178 $\chi^2/\text{NDF}: 10846.2/48$

All: -15.419 ± 0.122 $\chi^2/\text{NDF}: 70531.3/100$

- sign -4.515 ± 0.169 $\chi^2/\text{NDF}: 50836.6/51$

diff_bpm2i02X_rms vs Slug



Right In: 768.610 $\pm$ 0.165 χ^2 /NDF: 1245587.4/23

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

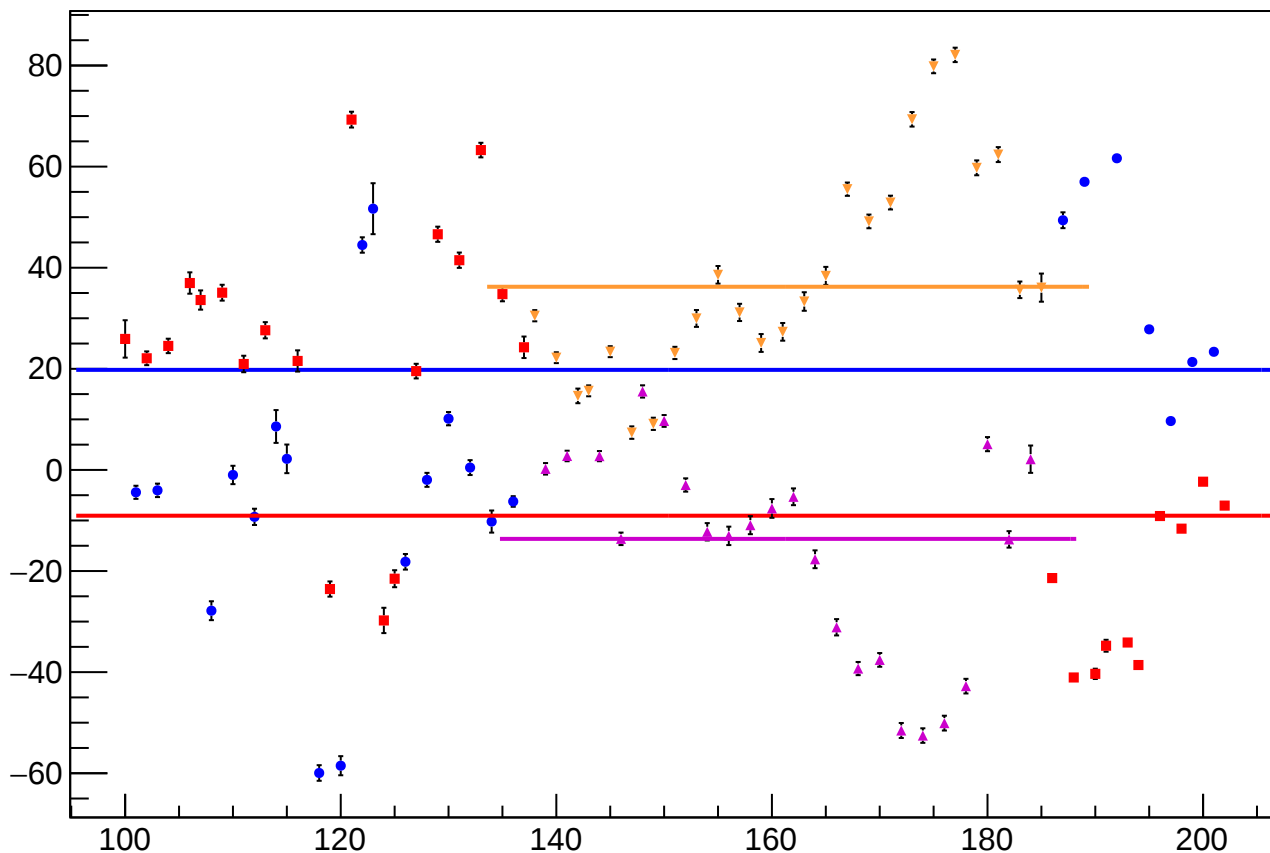
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF:833420.3/22

+ sign 934.002 $\pm$ 0.126 χ^2 /NDF: 4577013.9/48

All: 912.331 $\pm$ 0.087 χ^2 /NDF: 10129653.9/10

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

diff_bpm2i02Y_mean vs Slug



Right In: 19.794 $\pm$ 0.231 χ^2 /NDF: 15387.0/23

Left Out: 36.234 $\pm$ 0.280 χ^2 /NDF: 5794.2/24

Right Out: -9.055 $\pm$ 0.206 χ^2 /NDF: 20863.1/28

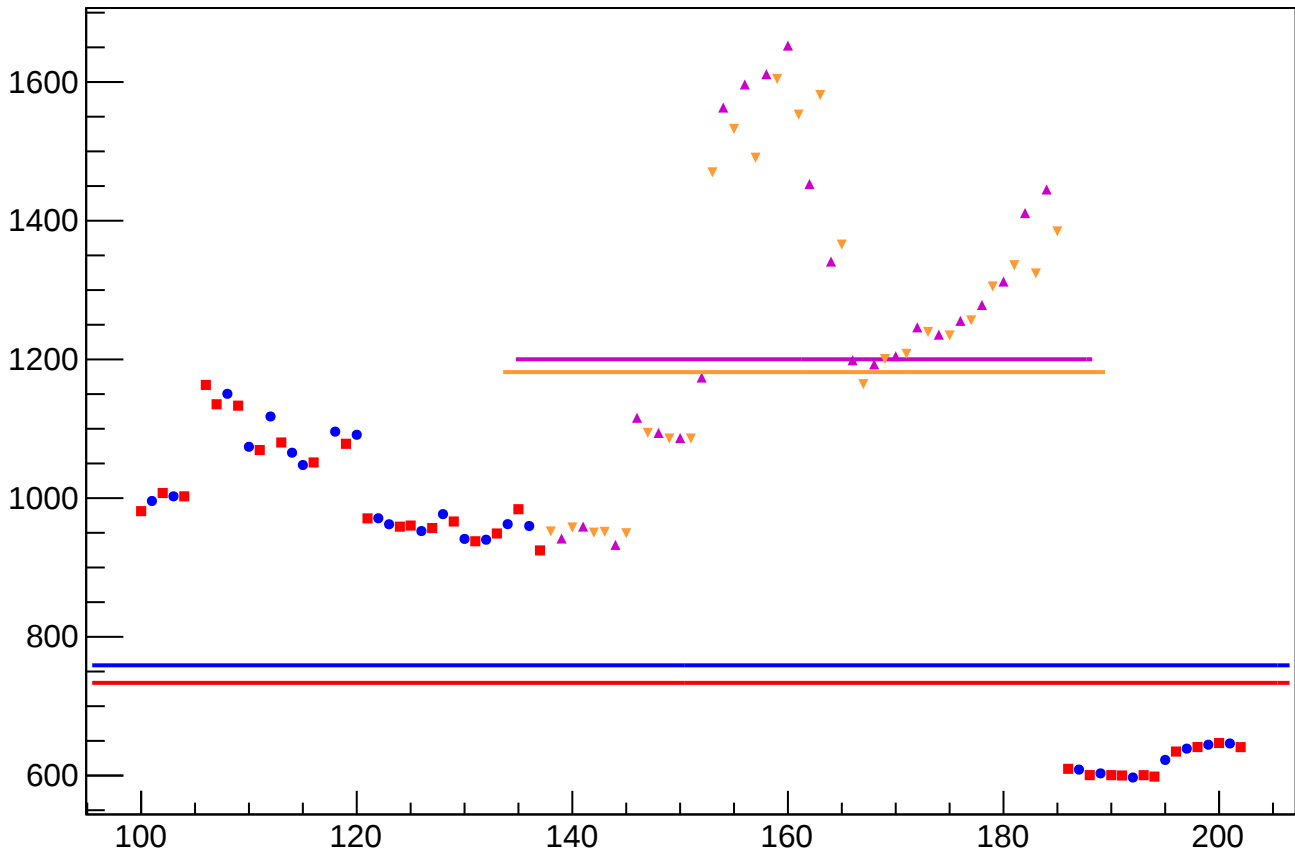
Left In: -13.640 $\pm$ 0.293 χ^2 /NDF: 5178.0/22

+ sign 26.455 $\pm$ 0.178 χ^2 /NDF: 23233.8/48

All: 6.889 $\pm$ 0.122 χ^2 /NDF: 72266.5/100

- sign -10.569 $\pm$ 0.168 χ^2 /NDF: 26205.3/51

diff_bpm2i02Y_rms vs Slug



Right In: 758.944 $\pm$ 0.163 χ^2 /NDF: 1307705.6/23

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

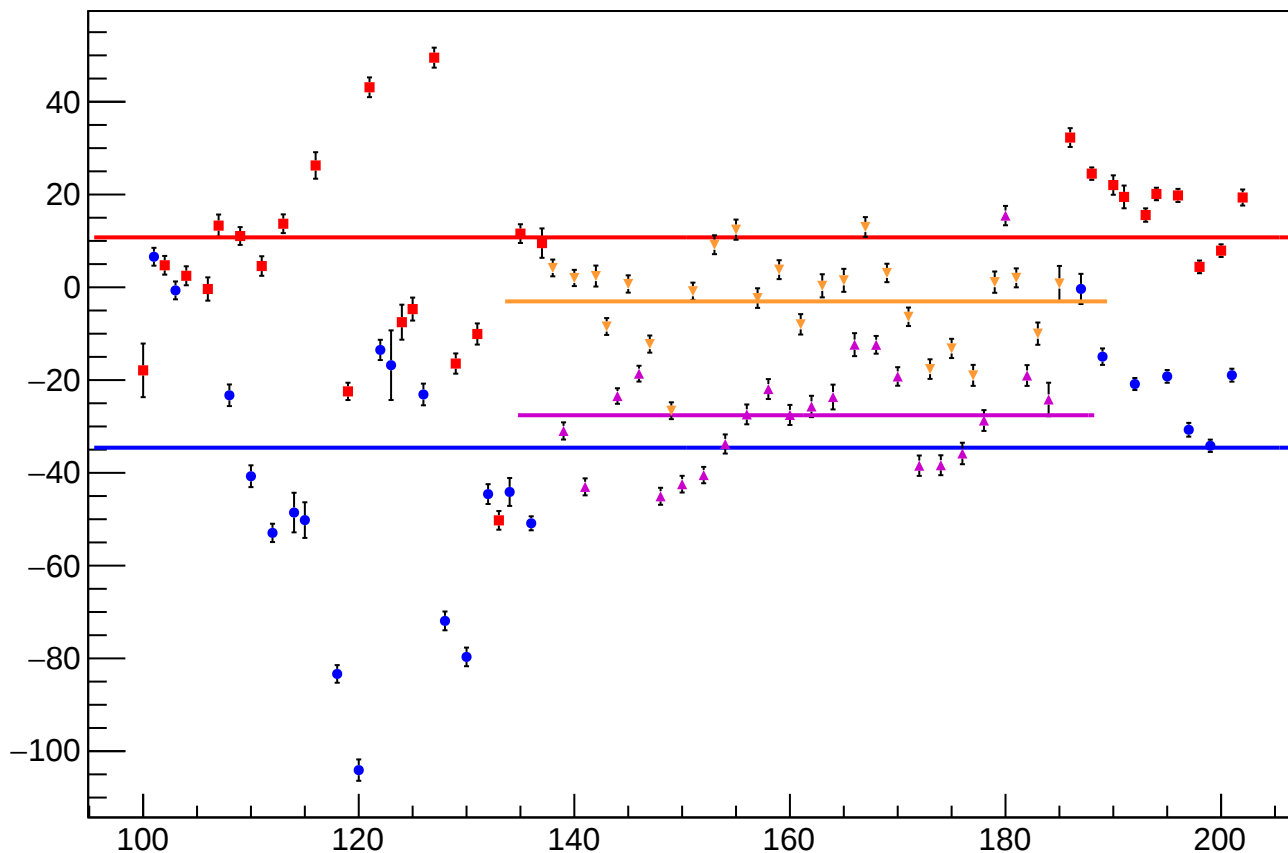
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF: 938224.7/22

+ sign 930.228 $\pm$ 0.126 χ^2 /NDF: 5066249.9/48

All: 907.773 $\pm$ 0.086 χ^2 /NDF: 11070207.3/10

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

diff_bpm0i02X_mean vs Slug



Right In: -34.574 ± 0.392 χ^2/NDF : 4201.5/23

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

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

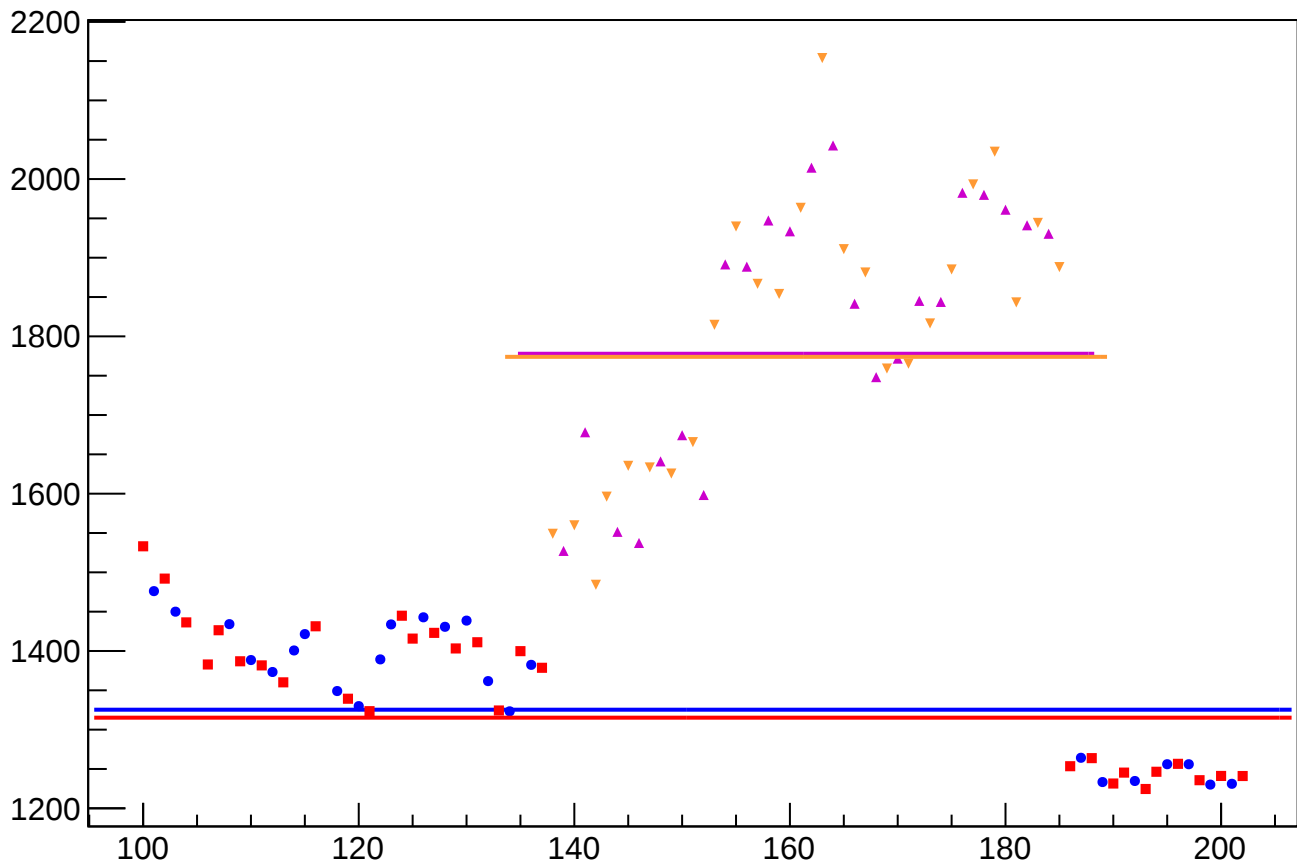
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -19.691 ± 0.285 χ^2/NDF : 7805.5/48

All: -12.071 ± 0.198 χ^2/NDF : 17461.0/100

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

diff_bpm0i02X_rms vs Slug



Right In: 1325.361 ± 0.277 χ^2/NDF : 96965.9/23

Left Out: 1773.965 ± 0.294 χ^2/NDF : 313031.1/24

Right Out: 1315.229 ± 0.253 χ^2/NDF : 104745.5/28

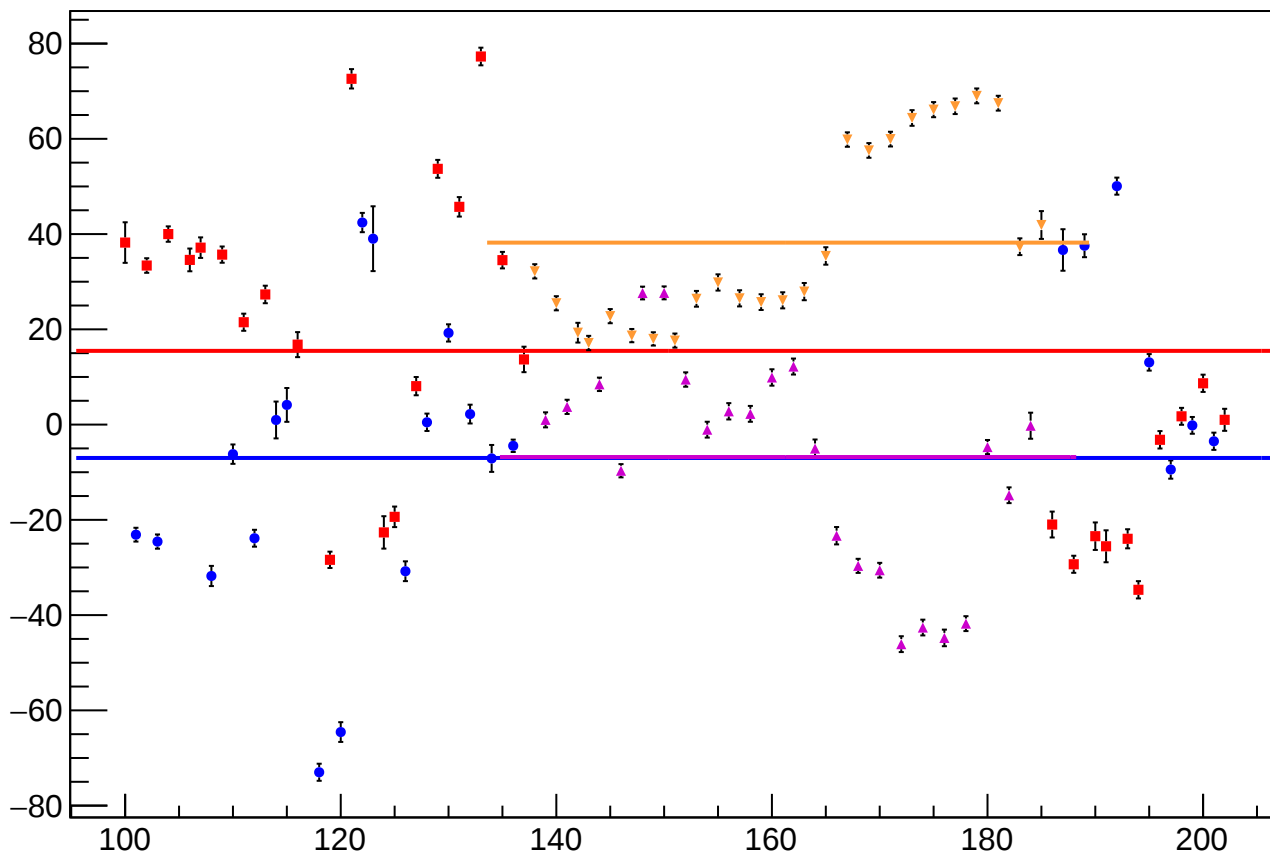
Left In: 1777.884 ± 0.303 χ^2/NDF : 299514.0/22

+ sign 1537.071 ± 0.202 χ^2/NDF : 1643596.5/48

All: 1520.585 ± 0.140 χ^2/NDF : 3431294.1/10

- sign 1505.257 ± 0.194 χ^2/NDF : 1774796.6/51

diff_bpm0i02Y_mean vs Slug



Right In: -7.007 ± 0.400 χ^2/NDF : 5266.1/23

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

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

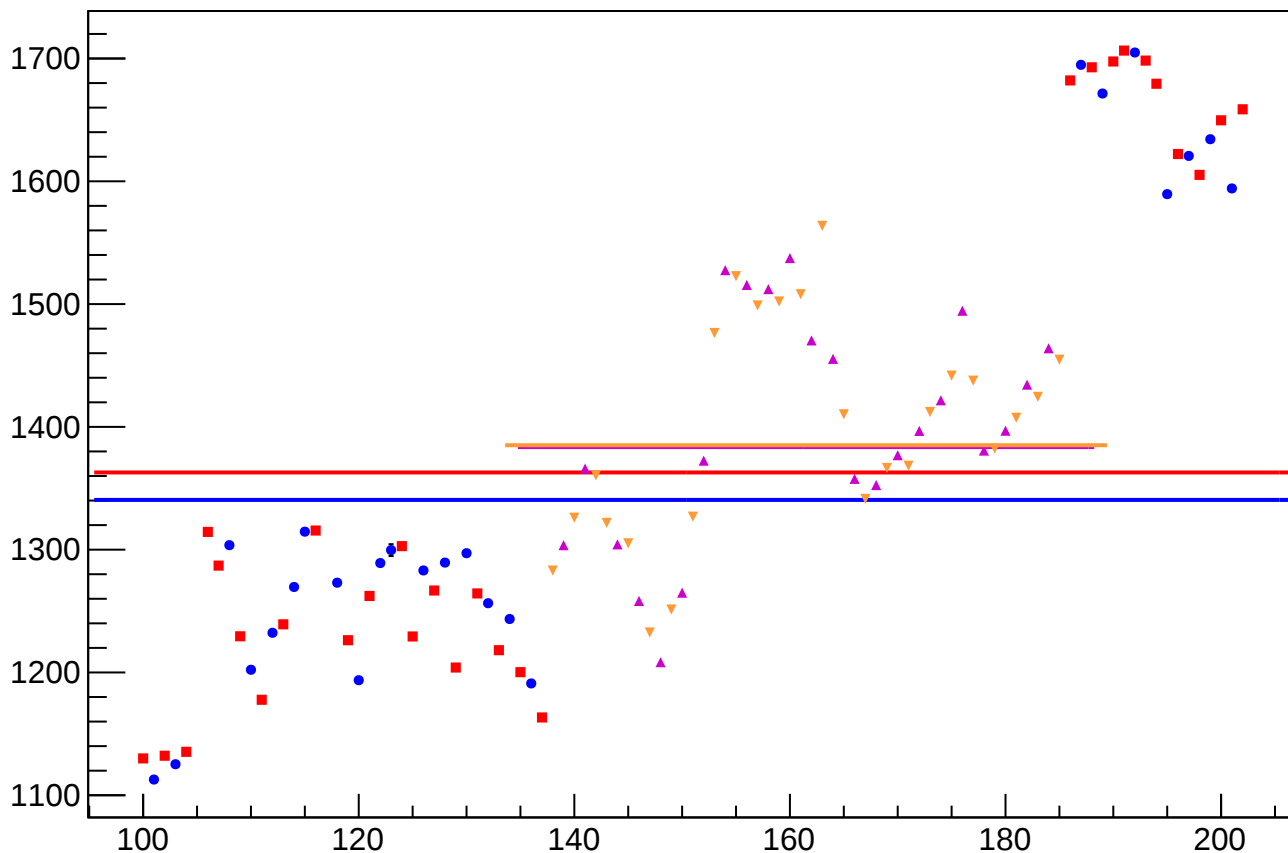
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 20.355 ± 0.252 χ^2/NDF : 16498.7/48

All: 11.596 ± 0.177 χ^2/NDF : 32337.4/100

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

diff_bpm0i02Y_rms vs Slug



Right In: 1340.522 $\pm$ 0.283 χ^2 /NDF: 472204.8/23

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

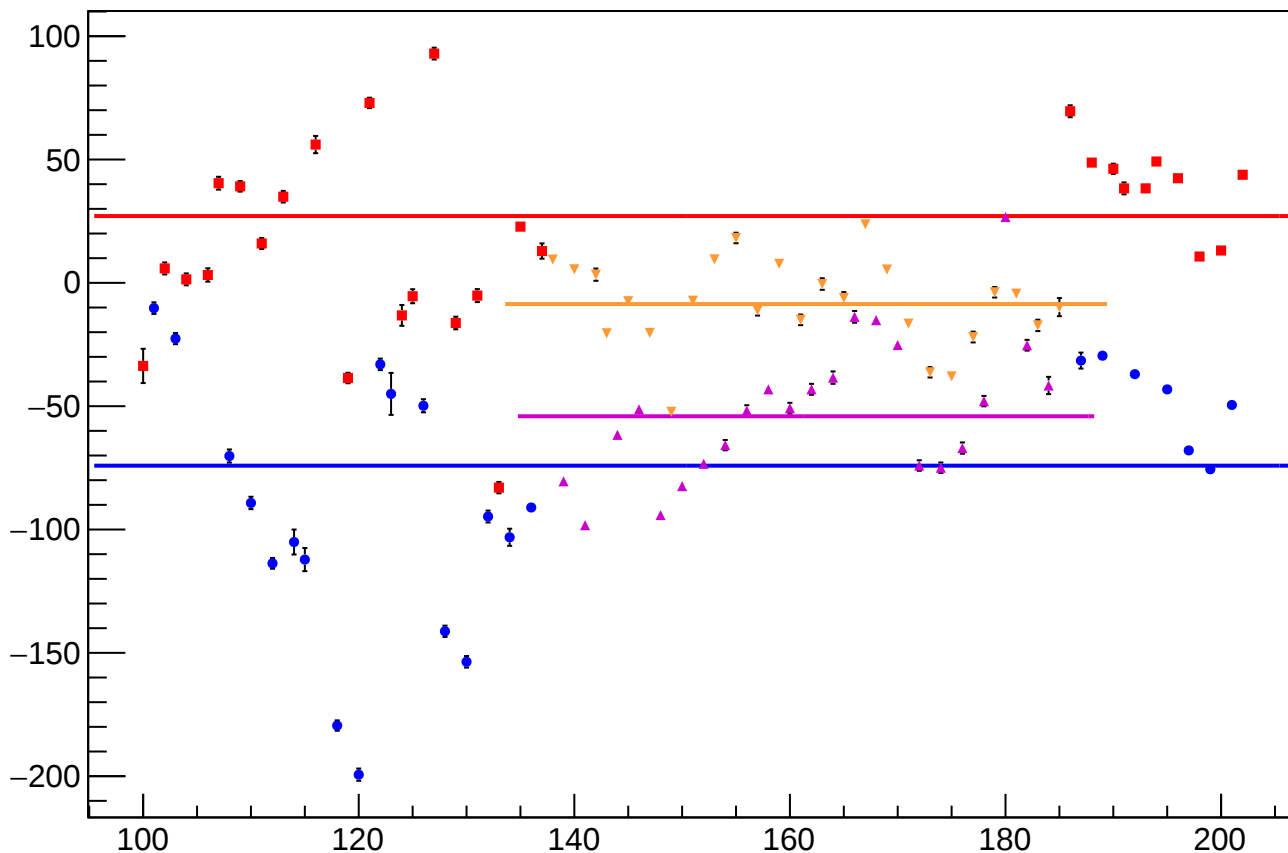
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1367.477 $\pm$ 0.178 χ^2 /NDF: 633188.0/48

All: 1370.996 $\pm$ 0.125 χ^2 /NDF: 1440686.8/10

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

diff_bpm0i02aX_mean vs Slug



Right In: -74.116 ± 0.432 χ^2/NDF : 11737.9/23

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

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

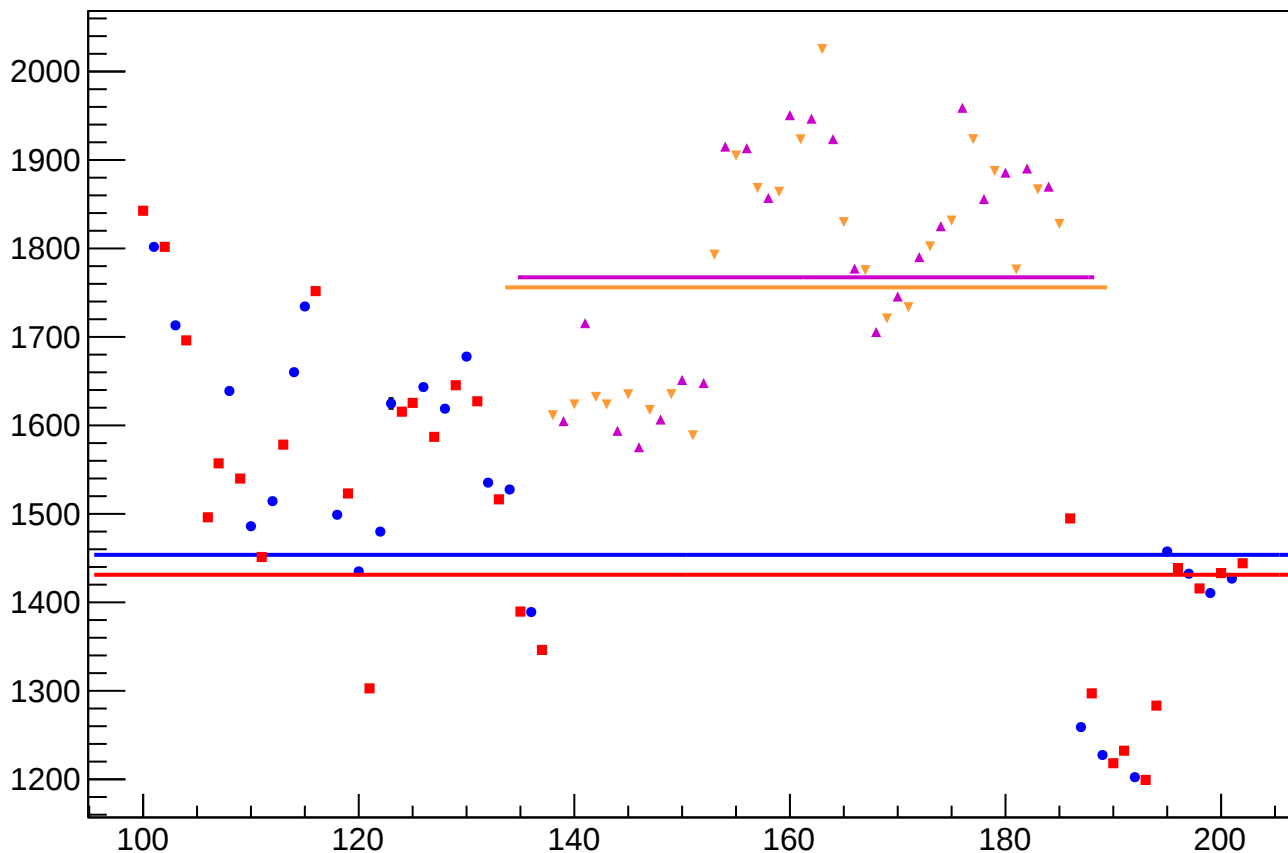
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -39.664 ± 0.297 χ^2/NDF : 25759.2/48

All: -24.414 ± 0.207 χ^2/NDF : 62253.6/100

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

diff_bpm0i02aX_rms vs Slug



Right In: 1453.703 $\pm$ 0.306 χ^2 /NDF: 261484.4/23

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

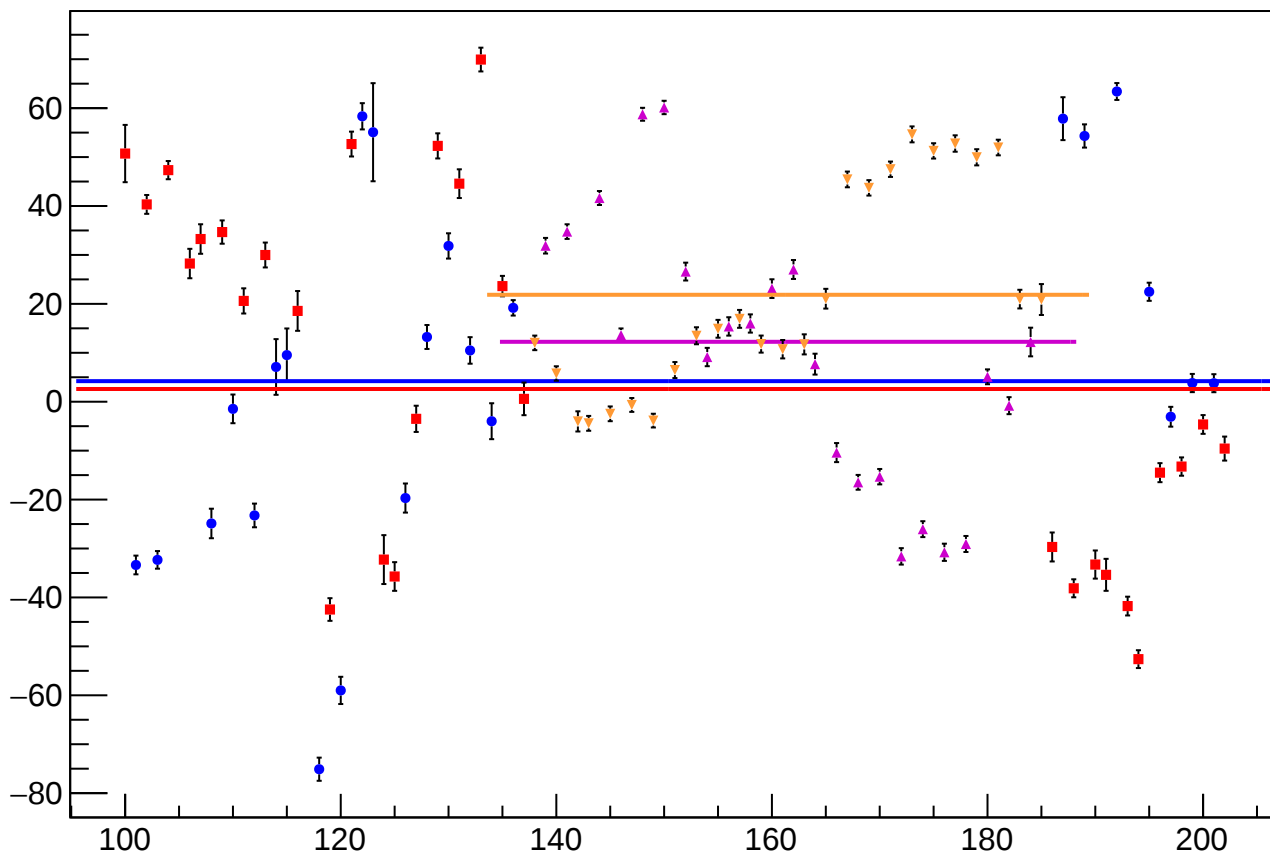
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF: 187958.2/22

+ sign 1612.700 $\pm$ 0.210 χ^2 /NDF: 952270.7/48

All: 1598.519 $\pm$ 0.146 χ^2 /NDF: 2133150.3/10

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

diff_bpm0i02aY_mean vs Slug



Right In: 4.205 $\pm$ 0.486 χ^2 /NDF: 5270.2/23

Left Out: 21.856 $\pm$ 0.335 χ^2 /NDF:4110.5/24

Right Out: 2.602 $\pm$ 0.450 χ^2 /NDF: 6548.5/28

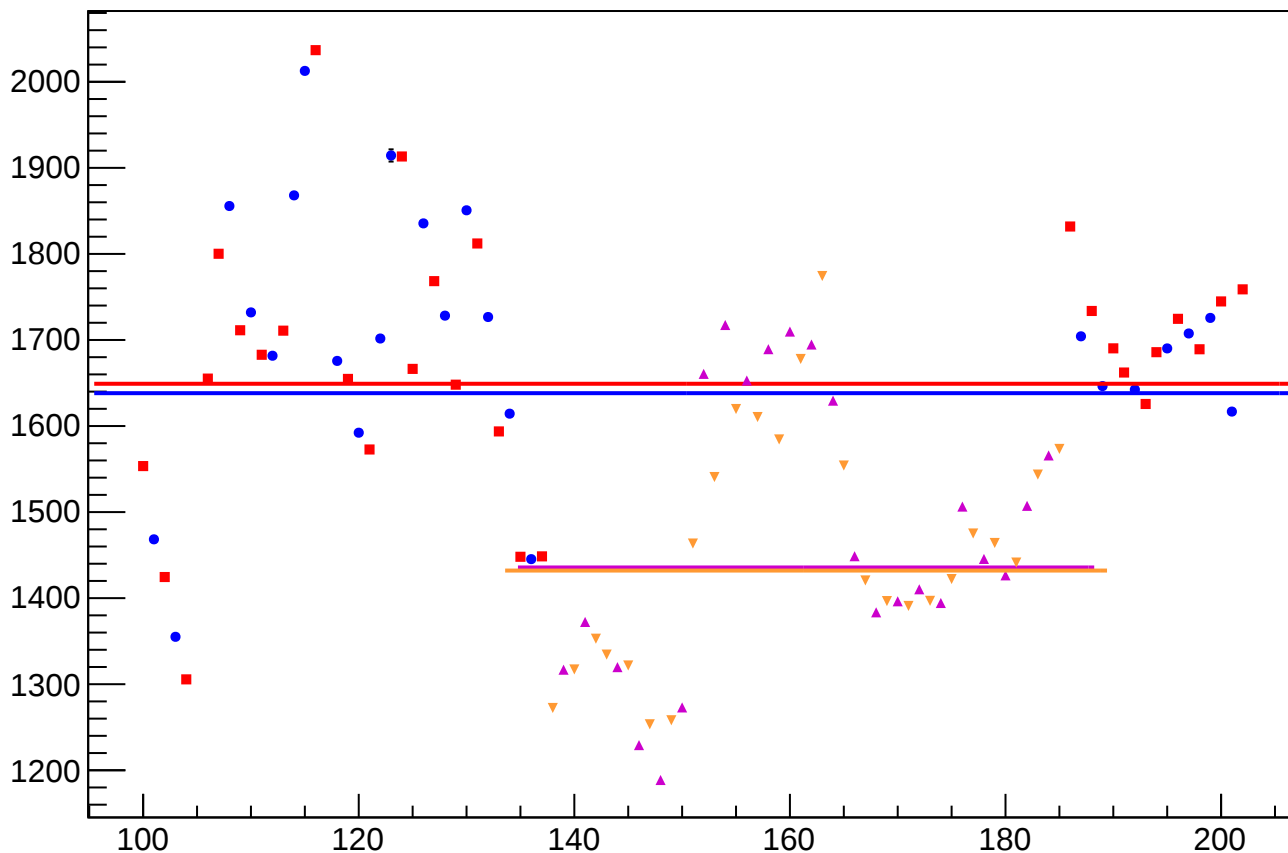
Left In: 12.246 $\pm$ 0.347 χ^2 /NDF:6781.6/22

+ sign 16.171 $\pm$ 0.276 χ^2 /NDF: 10273.1/48

All: 12.396 $\pm$ 0.195 χ^2 /NDF: 24263.2/100

- sign 8.653 $\pm$ 0.275 χ^2 /NDF: 13617.8/51

diff_bpm0i02aY_rms vs Slug



Right In: 1638.187 $\pm$ 0.344 χ^2 /NDF: 160877.0/23

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

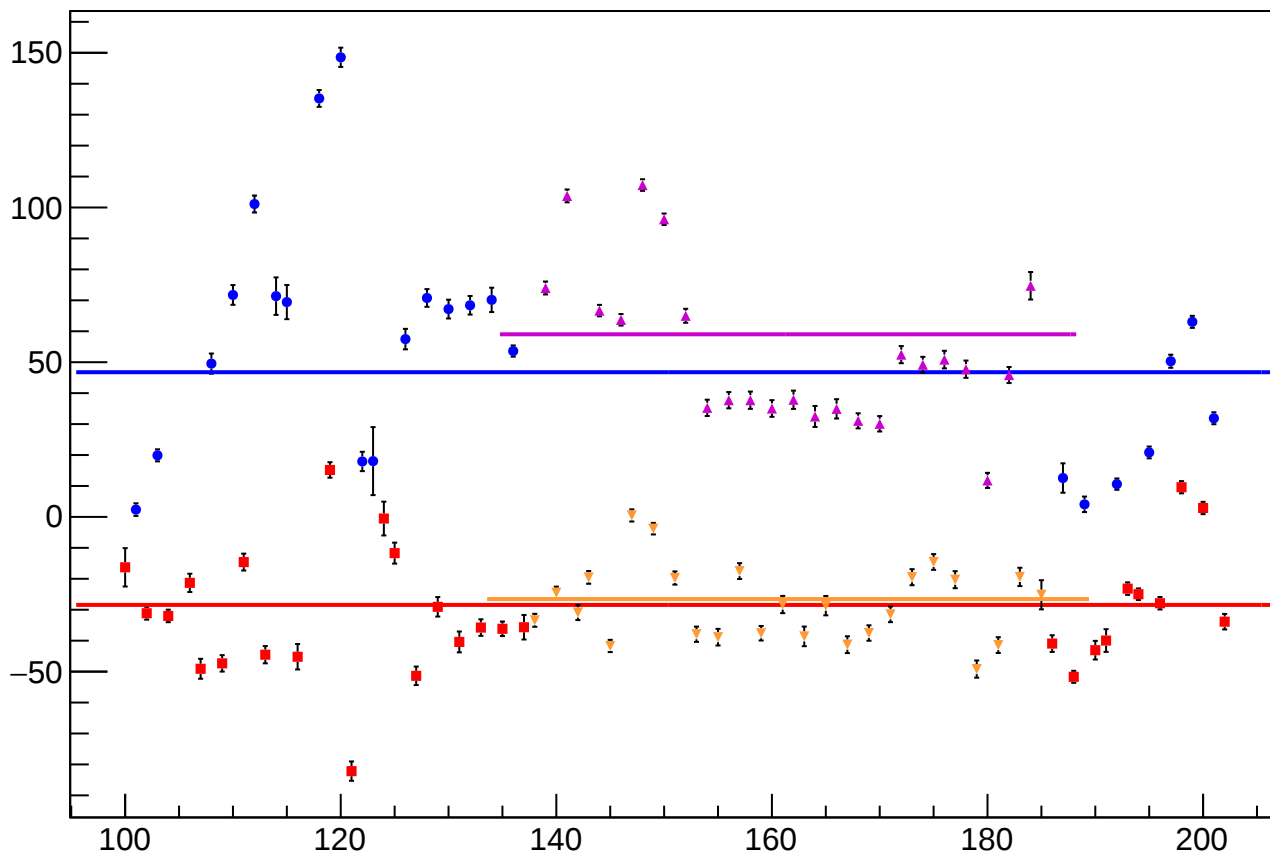
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1498.449 $\pm$ 0.195 χ^2 /NDF: 701650.0/48

All: 1506.846 $\pm$ 0.138 χ^2 /NDF: 1600709.0/10

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

diff_bpm0i05X_mean vs Slug



Right In: 46.763 ± 0.529 χ^2/NDF : 4648.9/23

Left Out: -26.554 ± 0.488 χ^2/NDF : 717.5/24

Right Out: -28.449 ± 0.484 χ^2/NDF : 1755.7/28

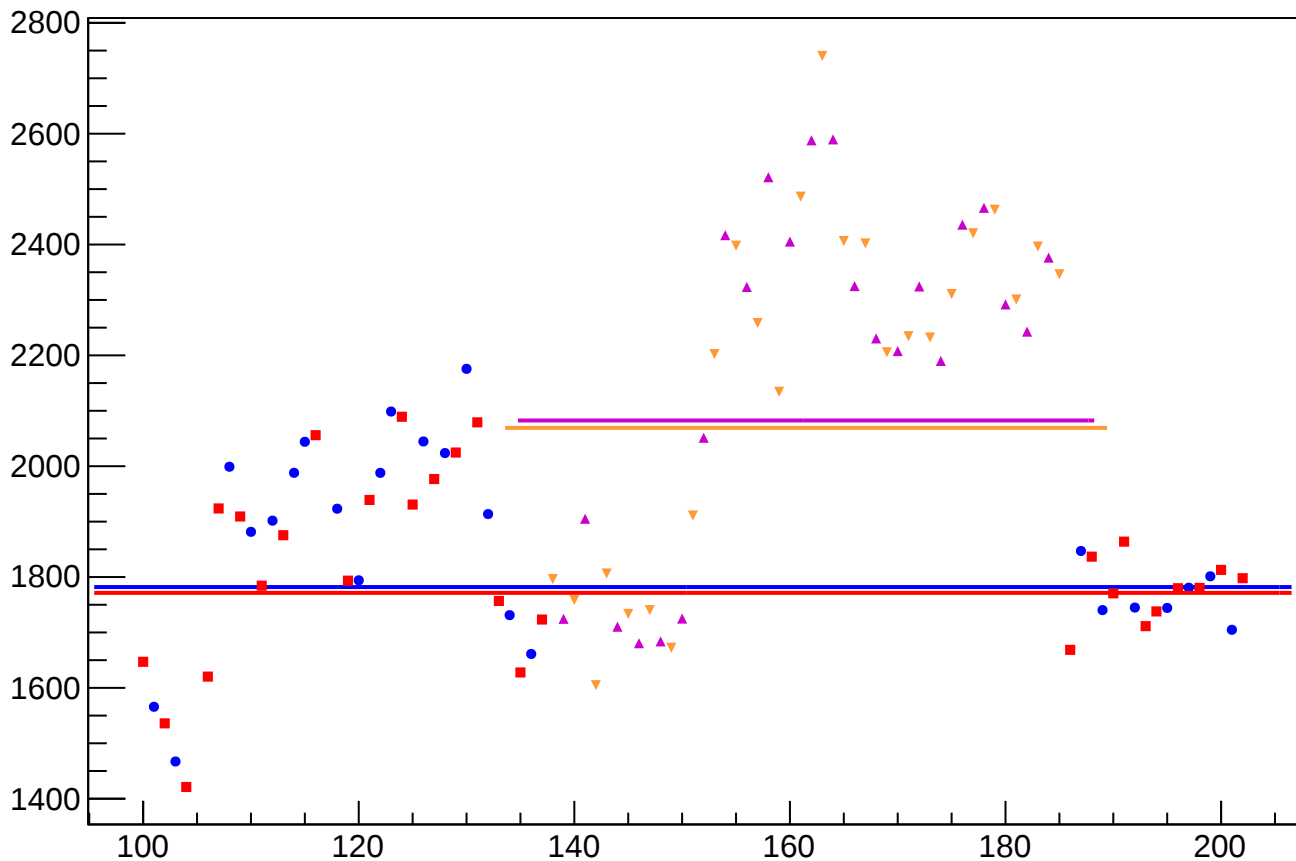
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 7.125 ± 0.359 χ^2/NDF : 15741.0/48

All: 10.273 ± 0.250 χ^2/NDF : 36032.6/100

- sign 13.265 ± 0.350 χ^2/NDF : 20141.4/51

diff_bpm0i05X_rms vs Slug



Right In: 1781.919 $\pm$ 0.374 χ^2 /NDF: 191078.6/23

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

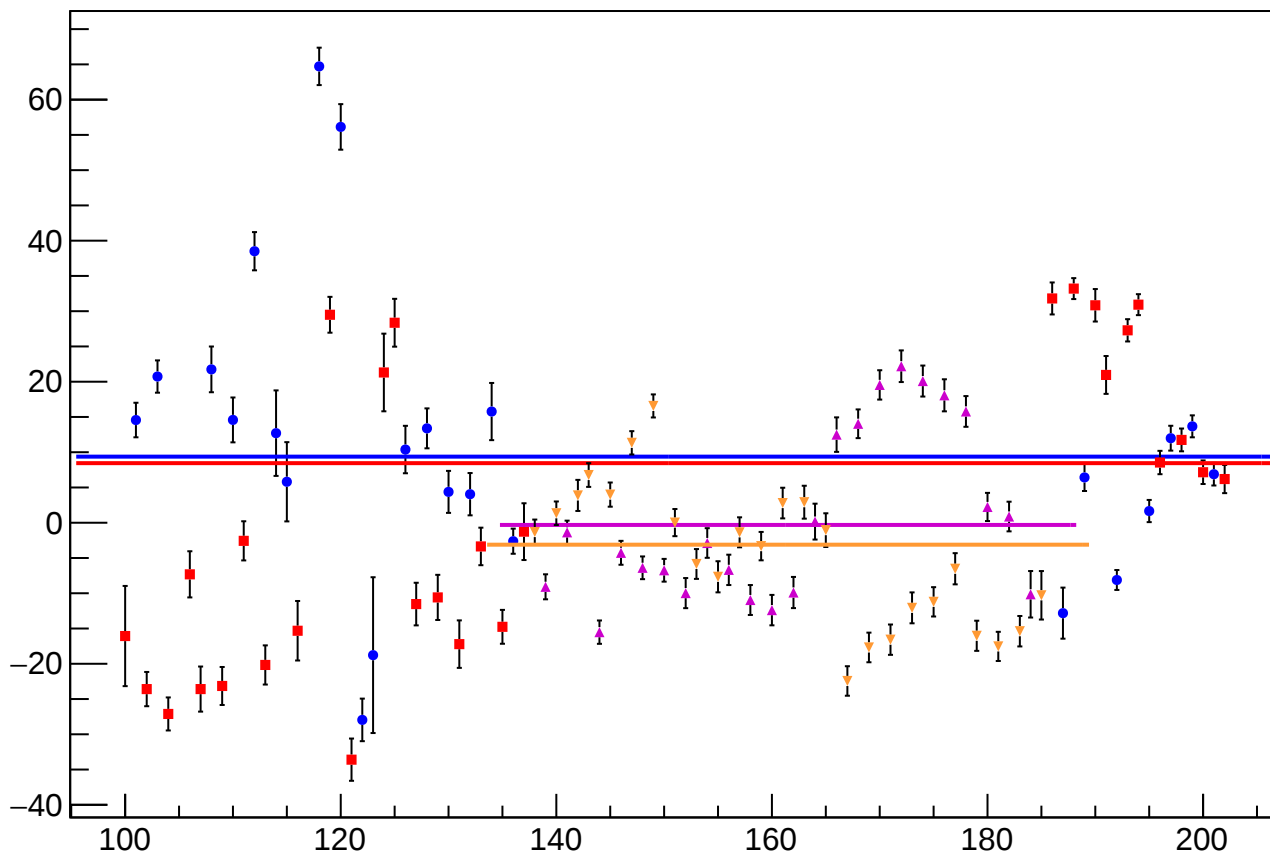
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1937.204 $\pm$ 0.254 χ^2 /NDF: 1308568.6/48

All: 1928.284 $\pm$ 0.177 χ^2 /NDF: 2678748.0/10

- sign 1919.804 $\pm$ 0.247 χ^2 /NDF: 1367767.0/51

diff_bpm0i05Y_mean vs Slug



Right In: 9.375 ± 0.483 χ^2/NDF : 1252.3/23

Left Out: -3.112 ± 0.404 χ^2/NDF : 643.7/24

Right Out: 8.450 ± 0.436 χ^2/NDF : 2269.5/28

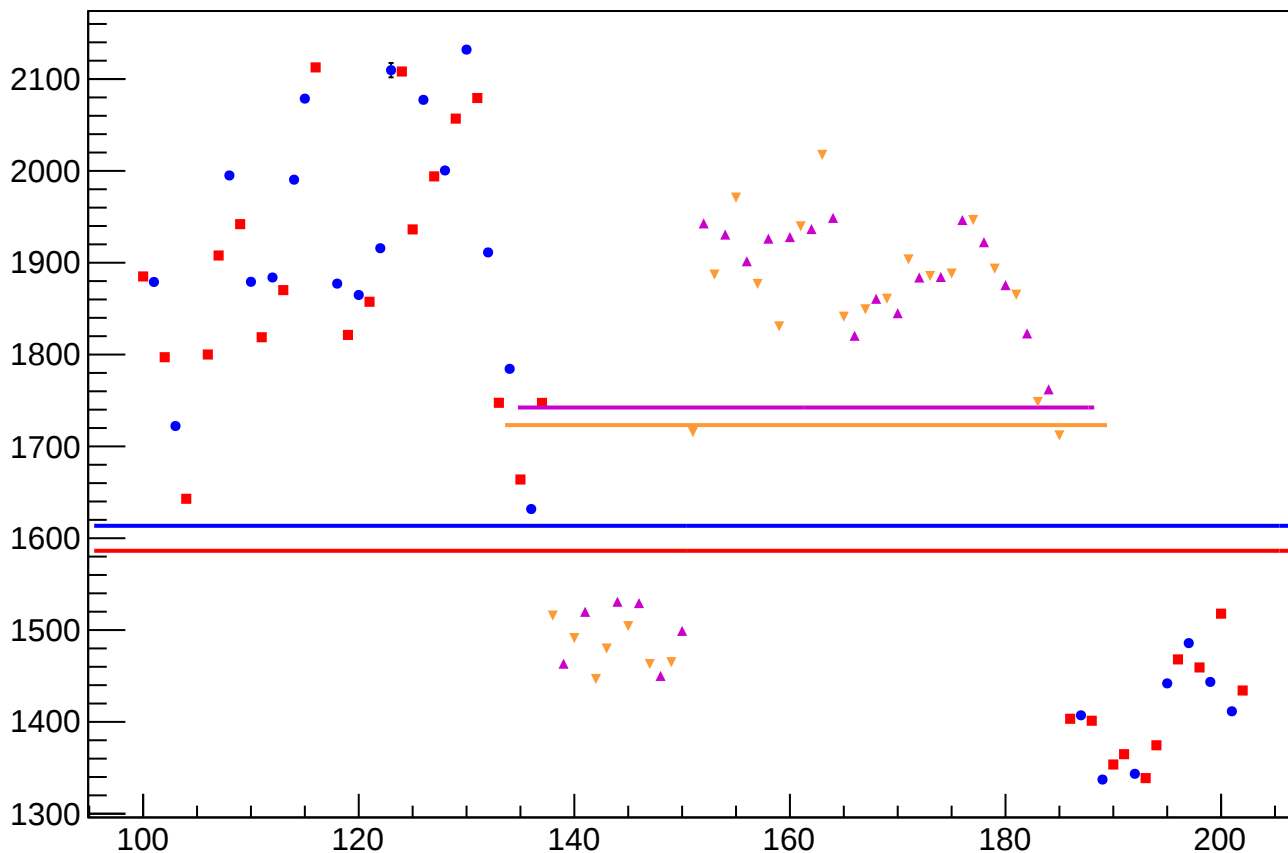
Left In: -0.312 ± 0.421 χ^2/NDF : 736.5/22

+ sign 2.035 ± 0.310 χ^2/NDF : 2289.3/48

All: 2.997 ± 0.217 χ^2/NDF : 5523.1/100

- sign 3.916 ± 0.303 χ^2/NDF : 3214.9/51

diff_bpm0i05Y_rms vs Slug



Right In: 1613.529 $\pm$ 0.341 χ^2 /NDF: 537169.2/23

Left Out: 1723.168 $\pm$ 0.286 χ^2 /NDF: 477441.1/24

Right Out: 1586.305 $\pm$ 0.308 χ^2 /NDF: 562580.5/28

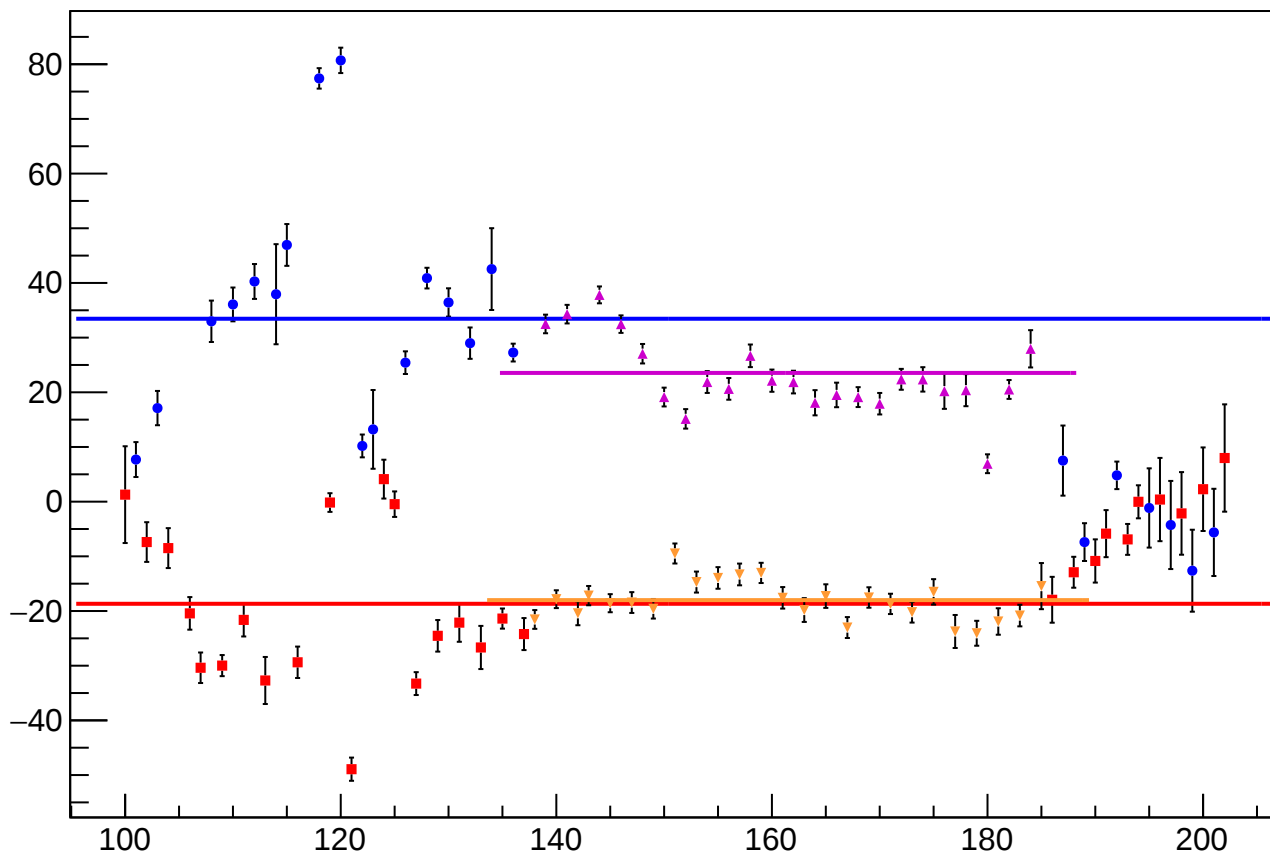
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1677.979 $\pm$ 0.219 χ^2 /NDF: 1075249.3/48

All: 1672.395 $\pm$ 0.153 χ^2 /NDF: 2207472.7/10

- sign 1667.060 $\pm$ 0.214 χ^2 /NDF: 1130953.9/51

diff_bpm0i07X_mean vs Slug



Right In: 33.453 $\pm$ 0.599 χ^2 /NDF: 1651.3/23

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

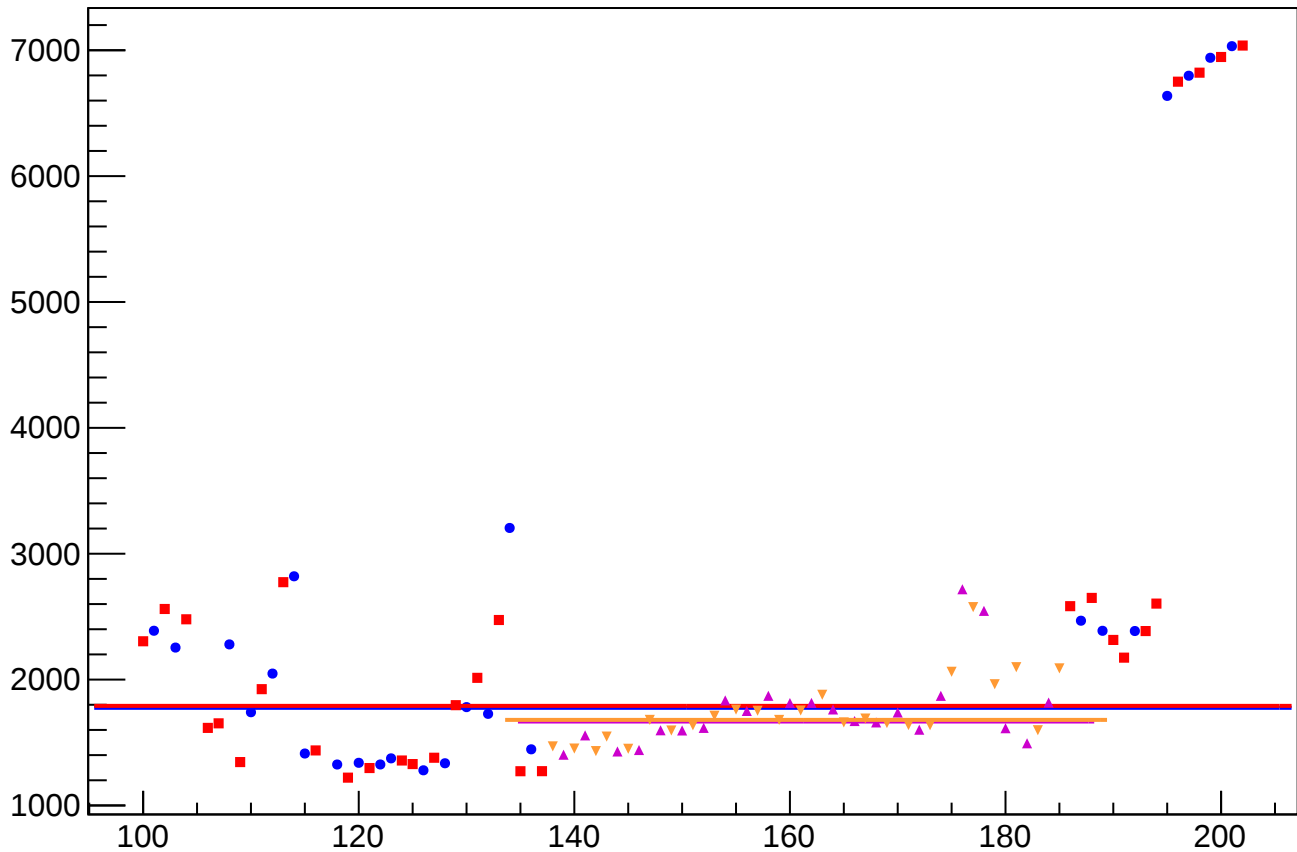
Left In: 23.544 $\pm$ 0.406 χ^2 /NDF: 346.7/22

+ sign -2.328 $\pm$ 0.331 χ^2 /NDF: 6852.5/48

All: 3.263 $\pm$ 0.232 χ^2 /NDF: 12252.8/100

- sign 8.719 $\pm$ 0.327 χ^2 /NDF: 4835.8/51

diff_bpm0i07X_rms vs Slug



Right In: 1775.790+/-0.424 χ^2/NDF : 4578286.9/23

Left Out: 1679.814+/-0.281 χ^2/NDF : 522795.6/24

+ sign 1709.057+/-0.234 χ^2/NDF : 5136752.9/48

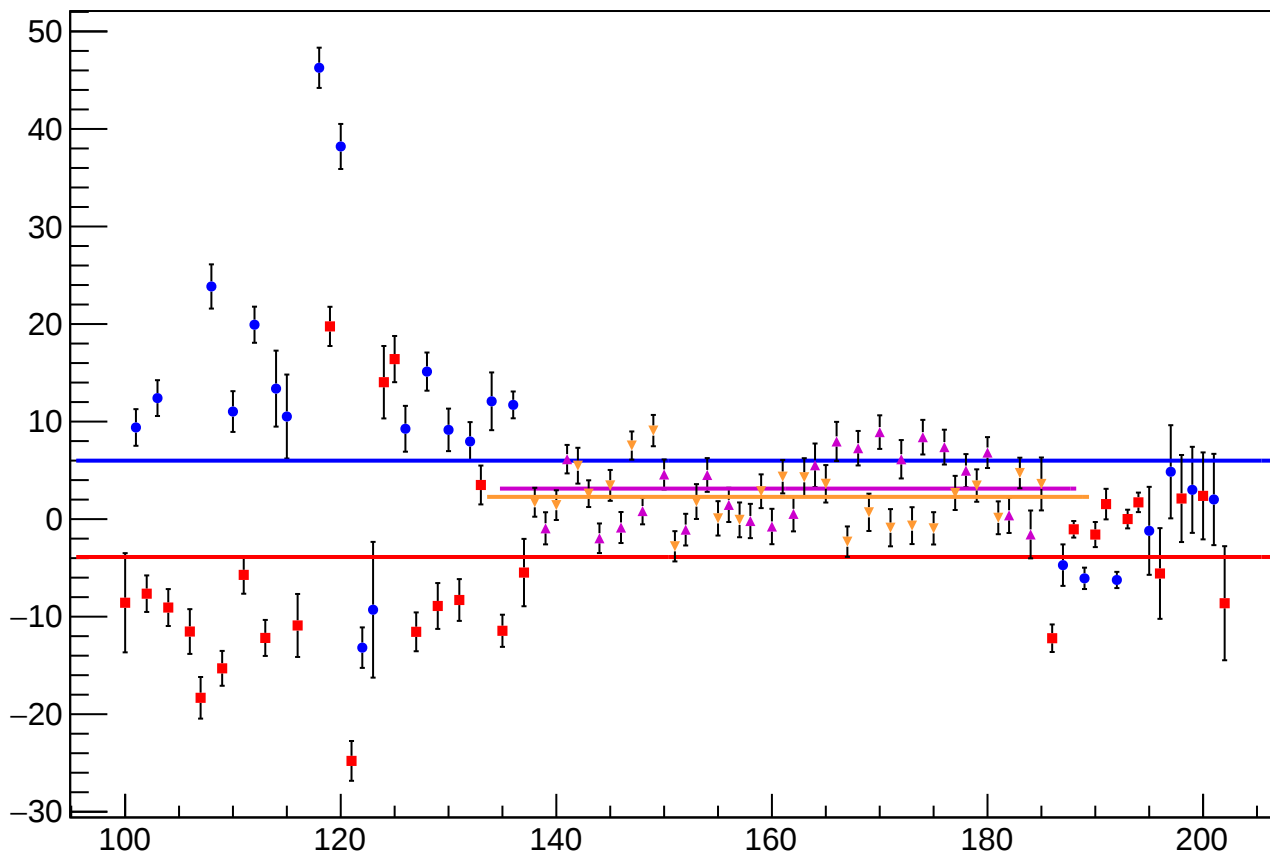
Right Out: 1791.266+/-0.390 χ^2/NDF : 4989079.4/28

All: 1709.795+/-0.164 χ^2/NDF : 10842933.8/51

- sign 1710.515+/-0.231 χ^2/NDF : 5706161.2/51

Left In: 1666.819+/-0.287 χ^2/NDF : 650990.8/22

diff_bpm0i07Y_mean vs Slug



Right In: 5.994 ± 0.397 χ^2/NDF : 1225.8/23

Left Out: 2.280 ± 0.338 χ^2/NDF : 75.6/24

Right Out: -3.883 ± 0.329 χ^2/NDF : 648.1/28

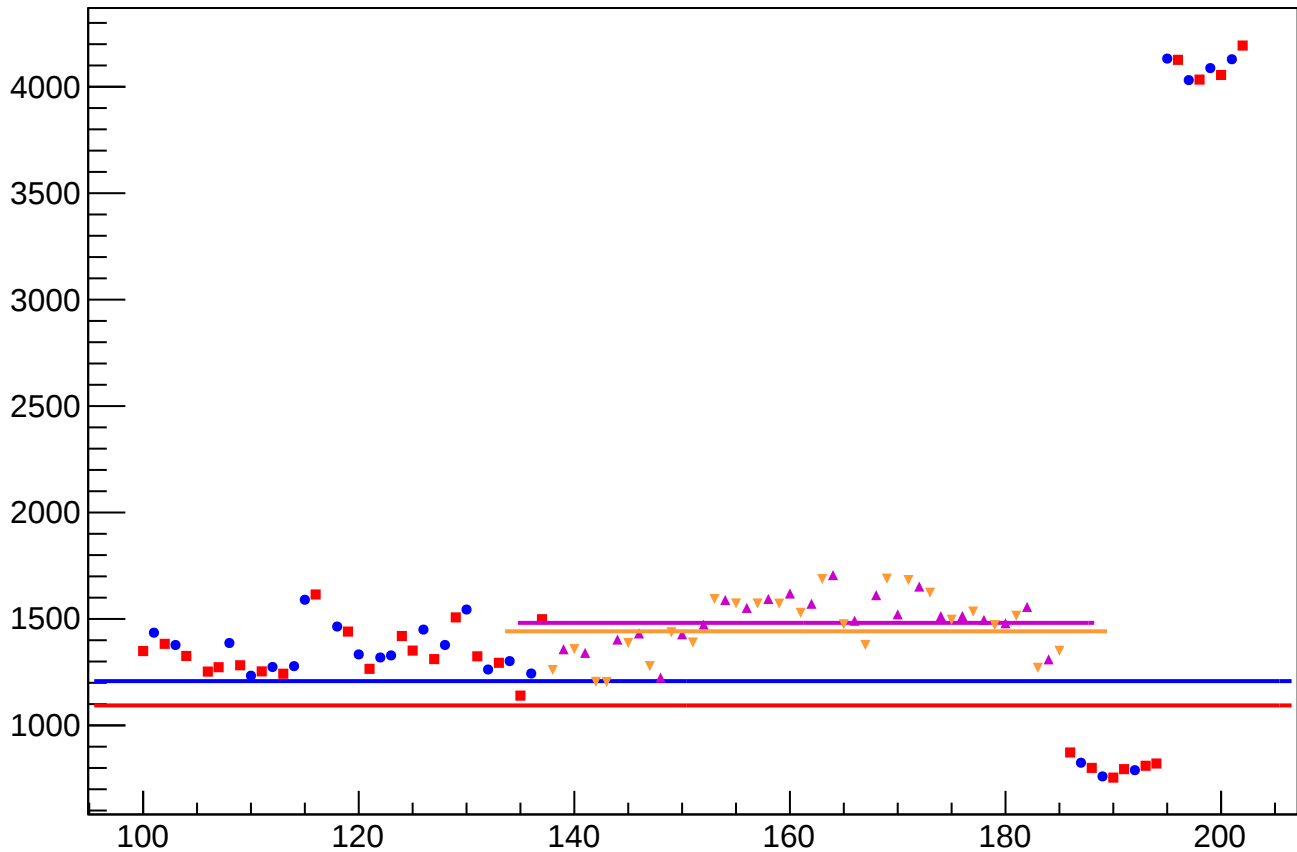
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.841 ± 0.258 χ^2/NDF : 1352.1/48

All: 1.446 ± 0.176 χ^2/NDF : 2474.7/100

- sign -0.670 ± 0.242 χ^2/NDF : 959.7/51

diff_bpm0i07Y_rms vs Slug



Right In: 1207.976+/-0.281 χ^2/NDF : 4287949.2/23

Left Out: 1441.951+/-0.239 χ^2/NDF : 370617.4/24

Right Out: 1093.872+/-0.233 χ^2/NDF : 4467154.6/28

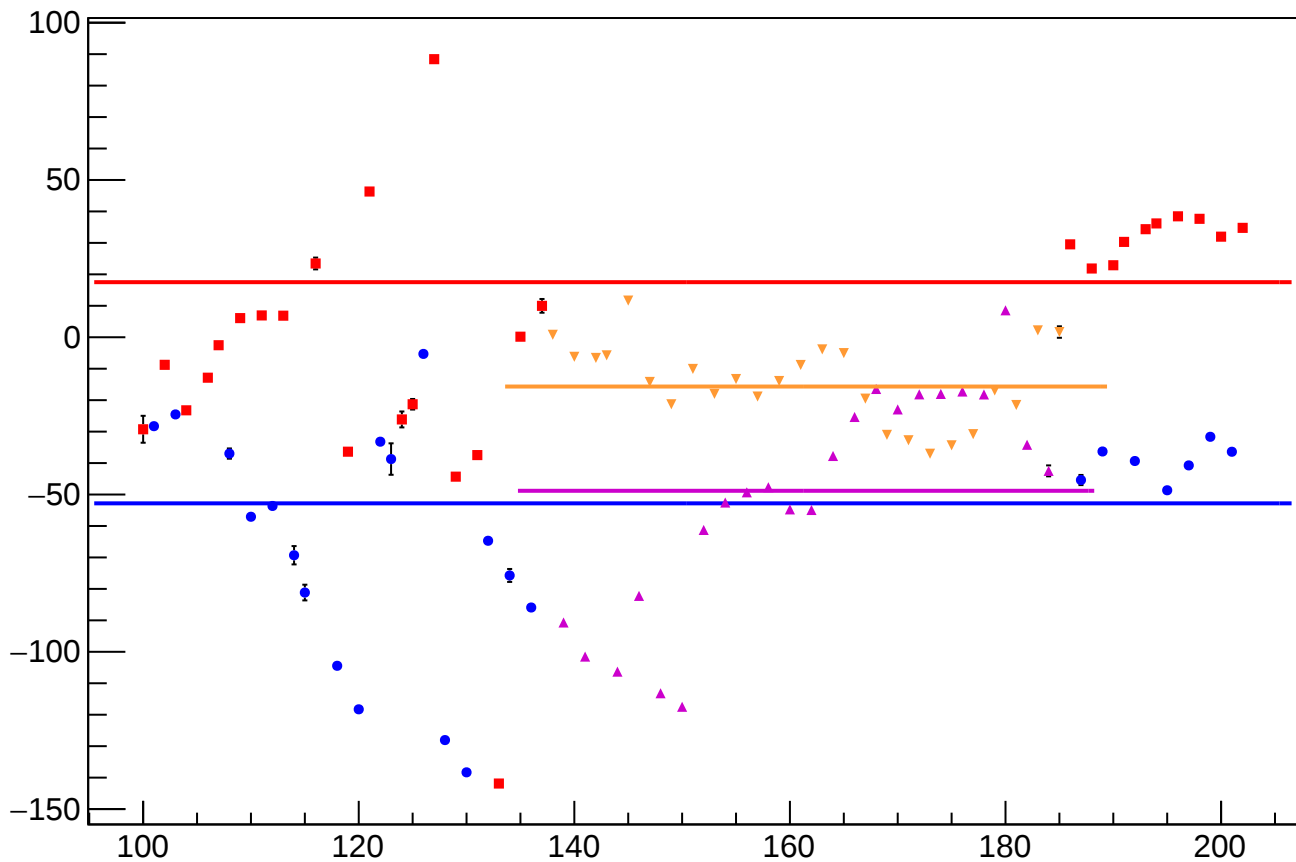
Left In: 1481.695+/-0.253 χ^2/NDF : 208470.6/22

+ sign 1343.636+/-0.182 χ^2/NDF : 5060688.1/48

All: 1305.365+/-0.125 χ^2/NDF : 11093830.4/100

- sign 1271.556+/-0.171 χ^2/NDF : 5949969.6/51

diff_bpm1i02X_mean vs Slug



Right In: -52.804 ± 0.231 χ^2/NDF : 16977.1/23

Left Out: -15.666 ± 0.212 χ^2/NDF : 3518.1/24

Right Out: 17.510 ± 0.207 χ^2/NDF : 28292.1/28

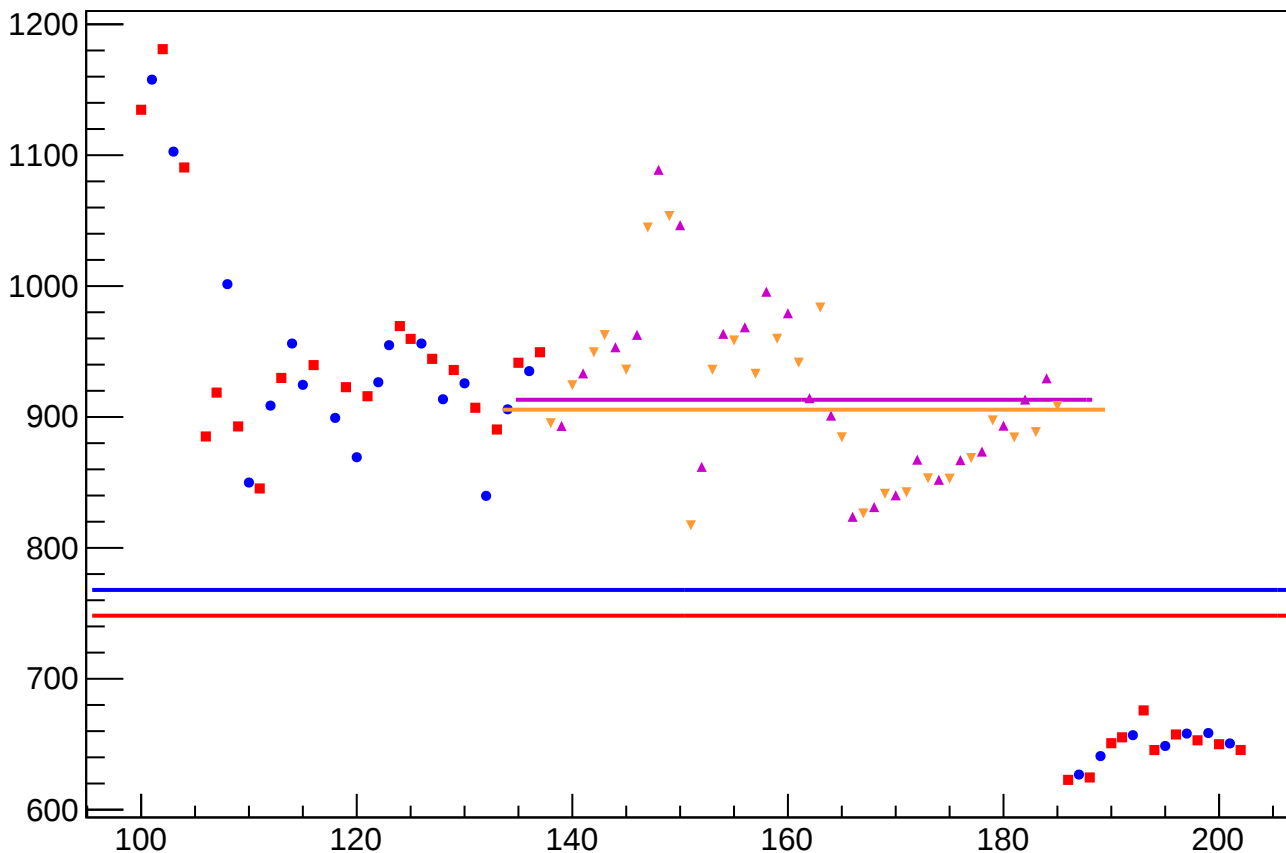
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -32.589 ± 0.156 χ^2/NDF : 34542.7/48

All: -22.818 ± 0.108 χ^2/NDF : 143856.5/100

- sign -13.693 ± 0.151 χ^2/NDF : 101732.8/51

diff_bpm1i02X_rms vs Slug



Right In: 767.879 $\pm$ 0.163 χ^2 /NDF: 834329.1/23

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

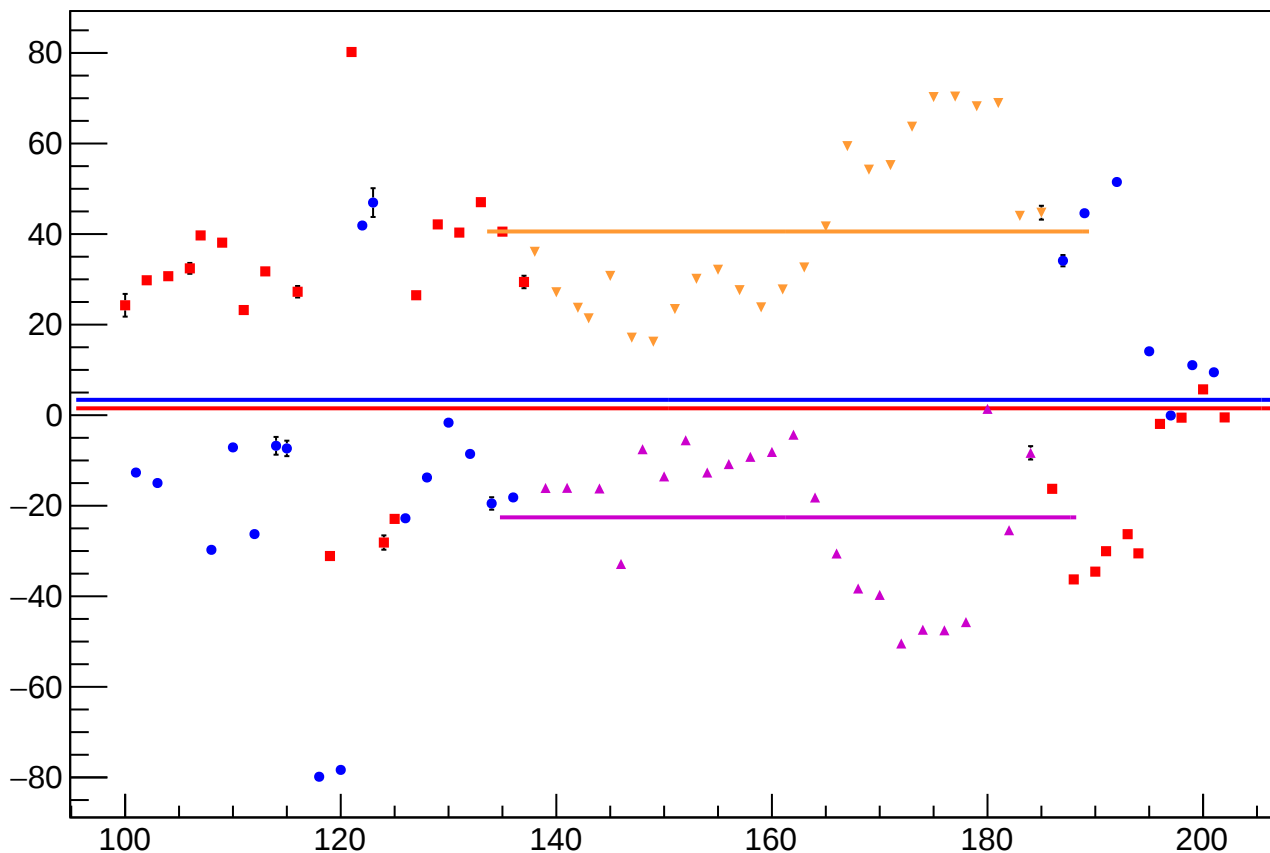
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 842.833 $\pm$ 0.110 χ^2 /NDF: 1382650.4/48

All: 834.037 $\pm$ 0.077 χ^2 /NDF: 3157059.5/100

- sign 825.821 $\pm$ 0.107 χ^2 /NDF: 1762120.3/51

diff_bpm1i02Y_mean vs Slug



Right In: 3.391 $\pm$ 0.165 χ^2 /NDF: 35524.9/23

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

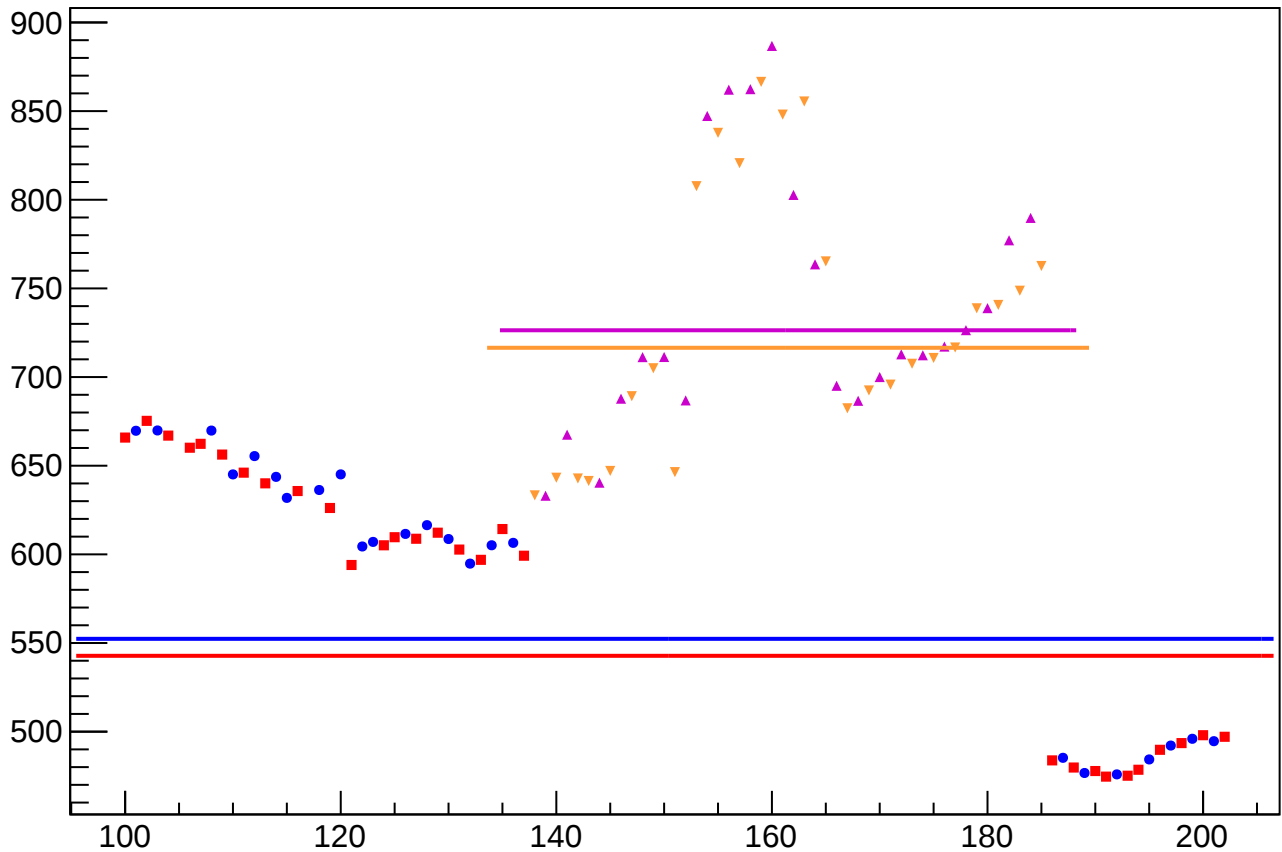
Left In: -22.565 $\pm$ 0.175 χ^2 /NDF:8167.7/22

+ sign 21.624 $\pm$ 0.118 χ^2 /NDF: 72613.7/48

All: 5.992 $\pm$ 0.082 χ^2 /NDF: 166914.6/100

- sign -8.574 $\pm$ 0.113 χ^2 /NDF: 60127.5/51

diff_bpm1i02Y_rms vs Slug



Right In: 552.357+/-0.116 χ^2/NDF : 401318.2/23

Left Out: 716.515+/-0.119 χ^2/NDF : 342740.2/24

Right Out: 542.781+/-0.105 χ^2/NDF : 477727.5/28

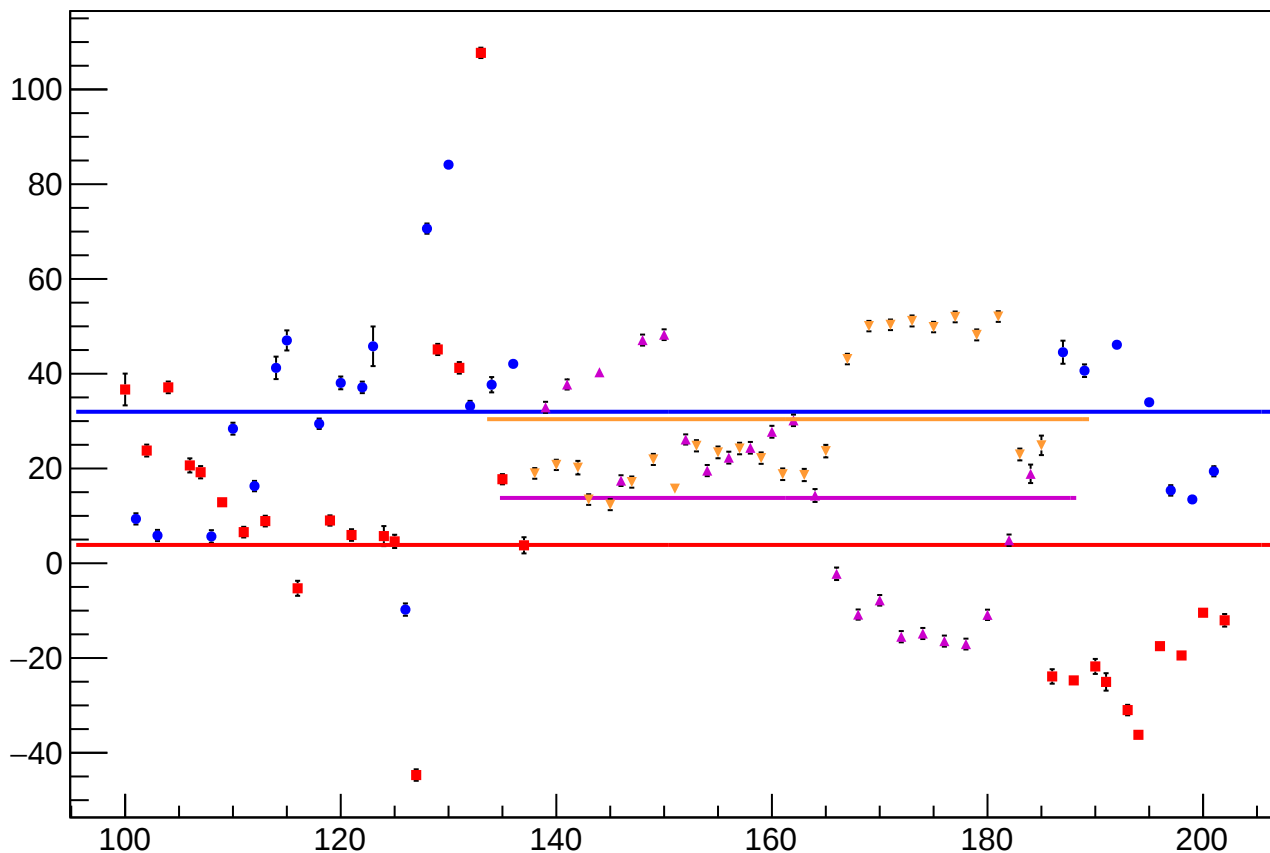
Left In: 726.390+/-0.124 χ^2/NDF : 289788.8/22

+ sign 632.857+/-0.083 χ^2/NDF : 1719071.9/48

All: 626.052+/-0.058 χ^2/NDF : 3774598.7/100

- sign 619.710+/-0.080 χ^2/NDF : 2042573.5/51

diff_bpm1i04X_mean vs Slug



Right In: 31.974 $\pm$ 0.246 χ^2 /NDF: 7436.1/23

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

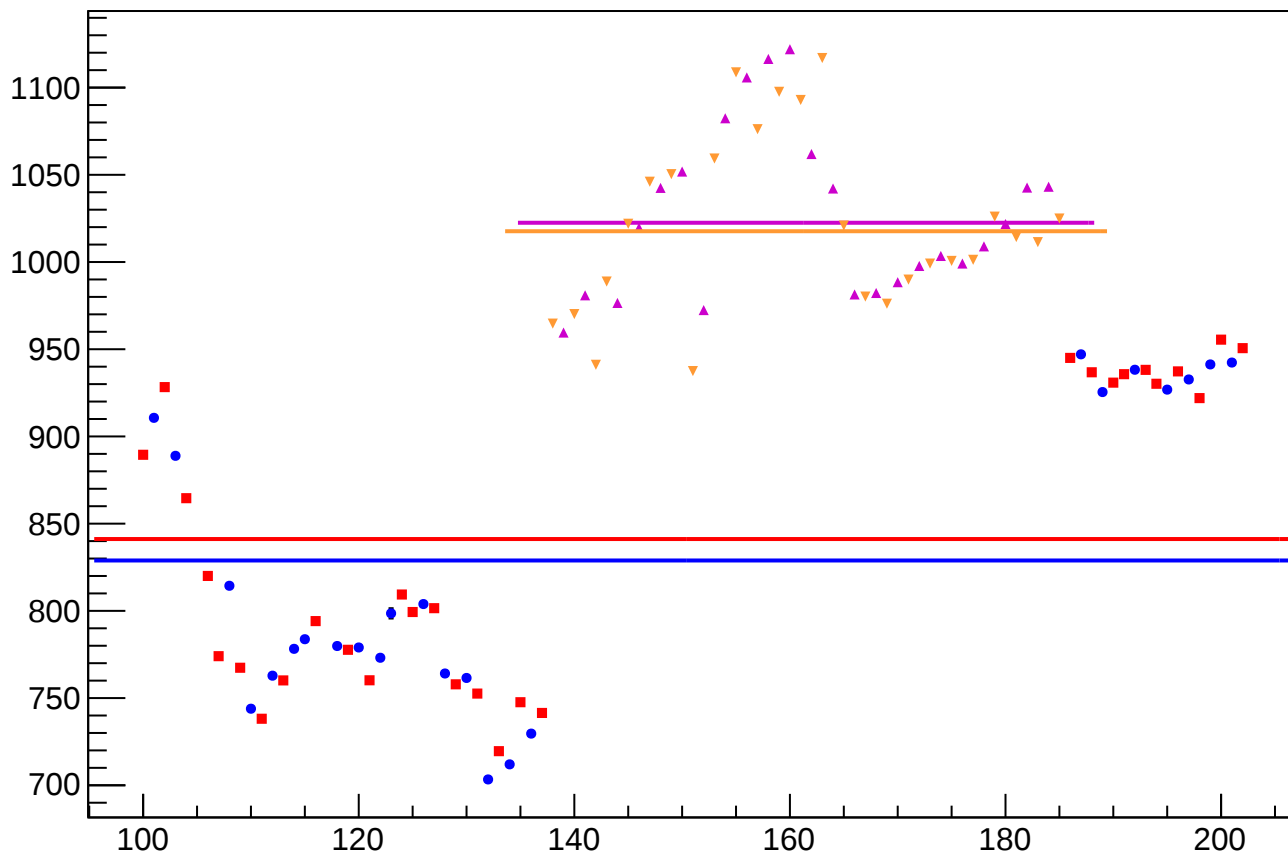
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF:7979.7/22

+ sign 31.162 $\pm$ 0.171 χ^2 /NDF: 11265.1/48

All: 19.626 $\pm$ 0.120 χ^2 /NDF: 49006.7/100

- sign 8.495 $\pm$ 0.168 χ^2 /NDF: 28790.8/51

diff_bpm1i04X_rms vs Slug



Right In: 828.884 ± 0.174 $\chi^2/\text{NDF}: 250752.0/23$

Left Out: 1017.653 ± 0.168 $\chi^2/\text{NDF}: 83612.5/24$

Right Out: 841.180 ± 0.163 $\chi^2/\text{NDF}: 279158.0/28$

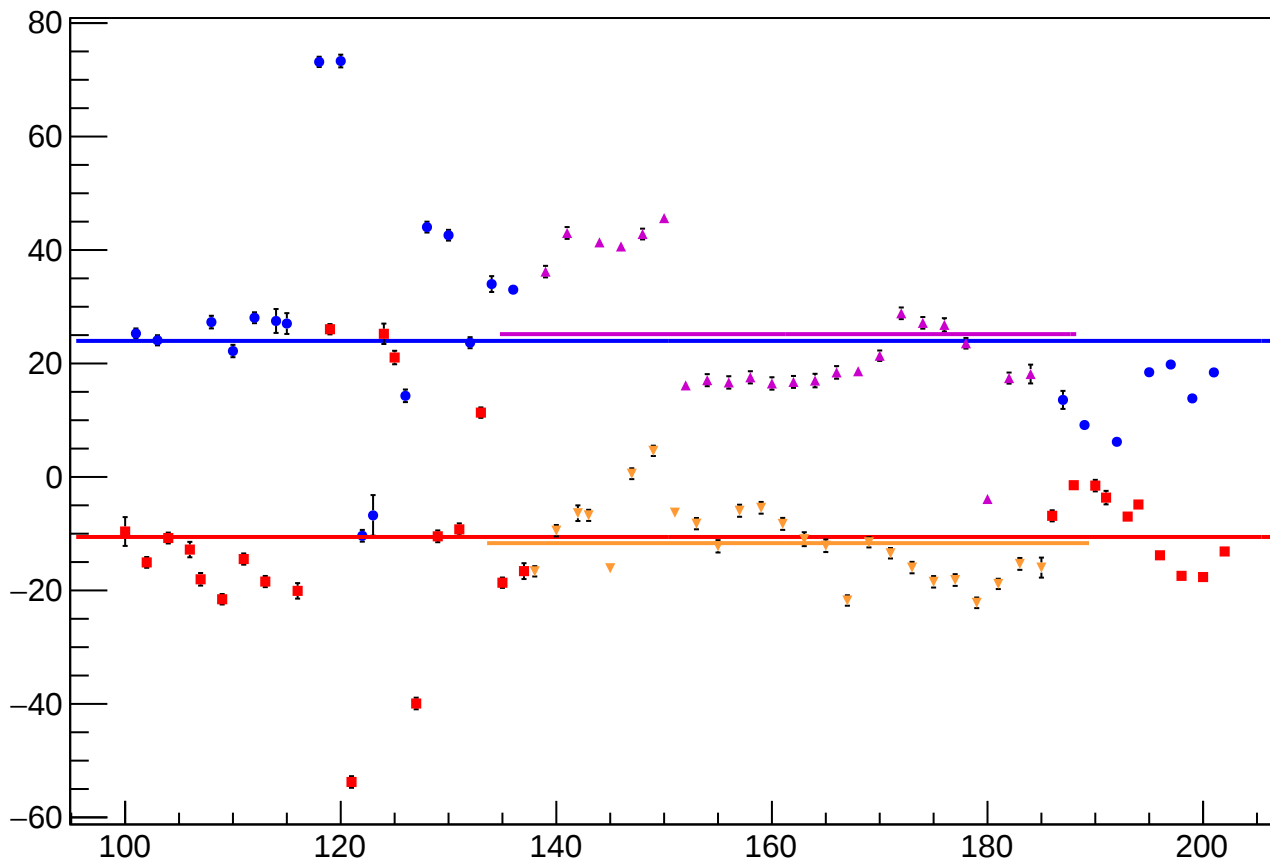
Left In: 1022.511 ± 0.174 $\chi^2/\text{NDF}: 69635.5/22$

+ sign 926.740 ± 0.121 $\chi^2/\text{NDF}: 943379.1/48$

All: 926.244 ± 0.085 $\chi^2/\text{NDF}: 1872804.2/100$

- sign 925.764 ± 0.119 $\chi^2/\text{NDF}: 929392.0/51$

diff_bpm1i04Y_mean vs Slug



Right In: 23.981 ± 0.184 χ^2/NDF : 8849.7/23

Left Out: -11.664 ± 0.200 χ^2/NDF : 1147.4/24

Right Out: -10.578 ± 0.172 χ^2/NDF : 7014.9/28

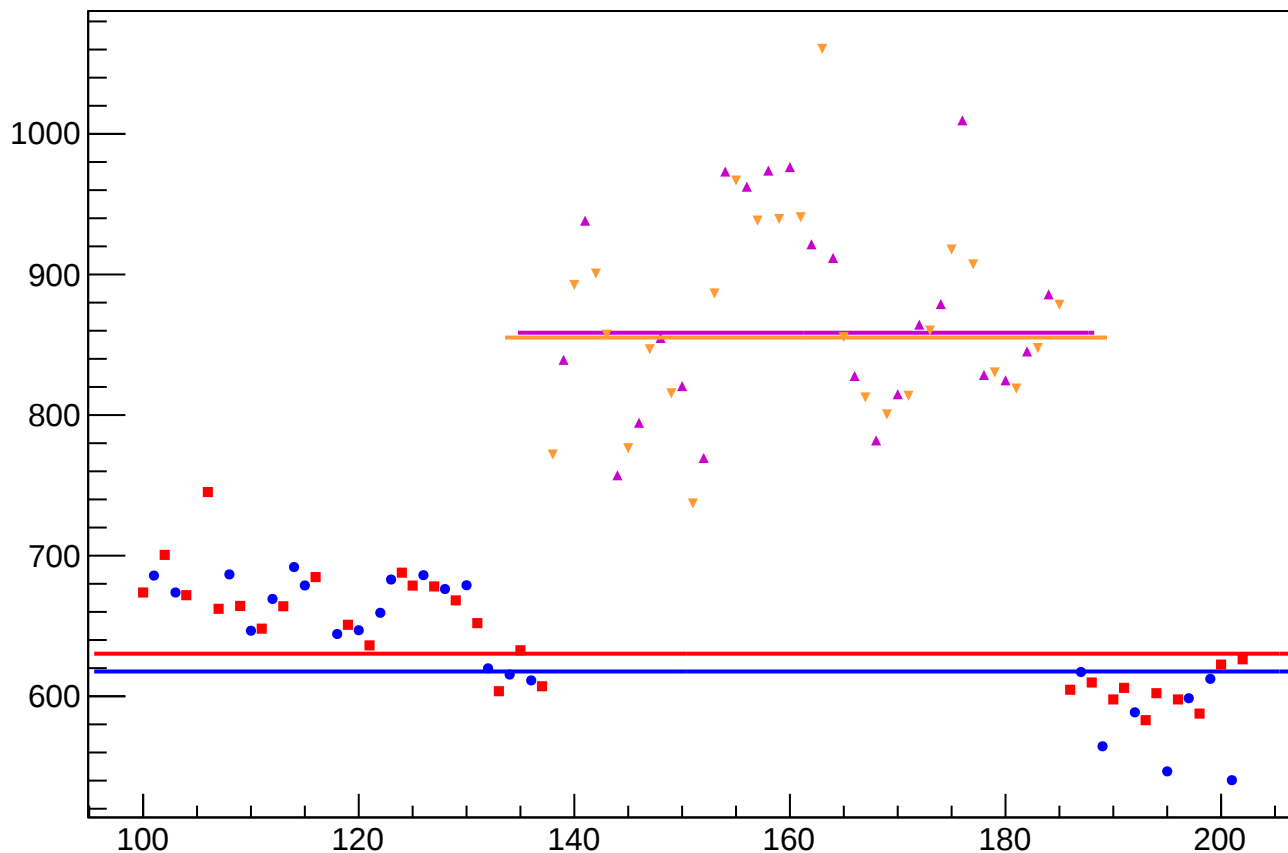
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 7.711 ± 0.135 χ^2/NDF : 27213.2/48

All: 5.798 ± 0.095 χ^2/NDF : 55994.0/100

- sign 3.970 ± 0.132 χ^2/NDF : 28390.0/51

diff_bpm1i04Y_rms vs Slug



Right In: 617.622 $\pm$ 0.130 χ^2 /NDF: 142851.2/23

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

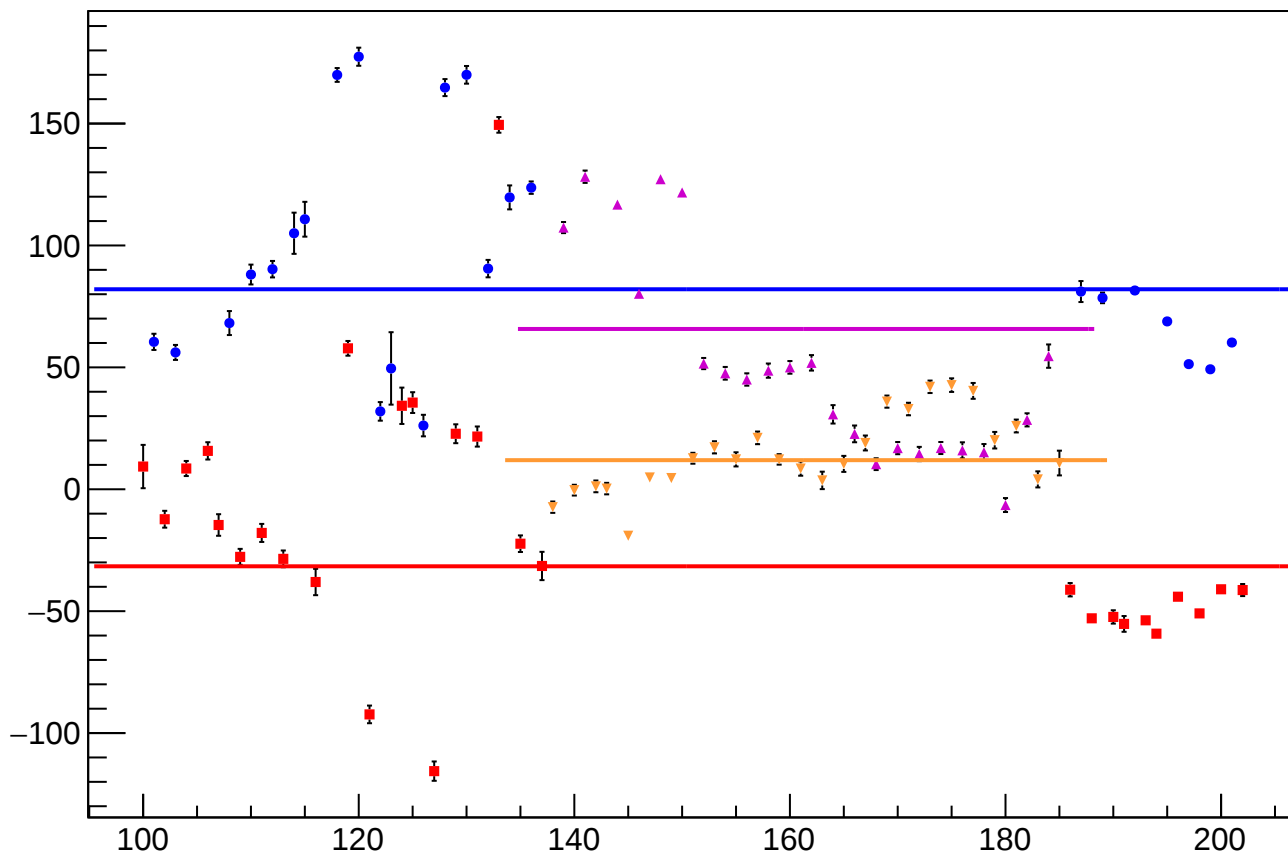
Left In: 858.563 $\pm$ 0.147 χ^2 /NDF: 239019.8/22

+ sign 726.035 $\pm$ 0.096 χ^2 /NDF: 1905338.6/48

All: 724.571 $\pm$ 0.067 χ^2 /NDF: 3671900.2/100

- sign 723.172 $\pm$ 0.094 χ^2 /NDF: 1766103.9/51

diff_bpm1i06X_mean vs Slug



Right In: 82.036 ± 0.574 χ^2/NDF : 4370.2/23

Left Out: 11.938 ± 0.505 χ^2/NDF : 976.6/24

Right Out: -31.593 ± 0.528 χ^2/NDF : 6761.5/28

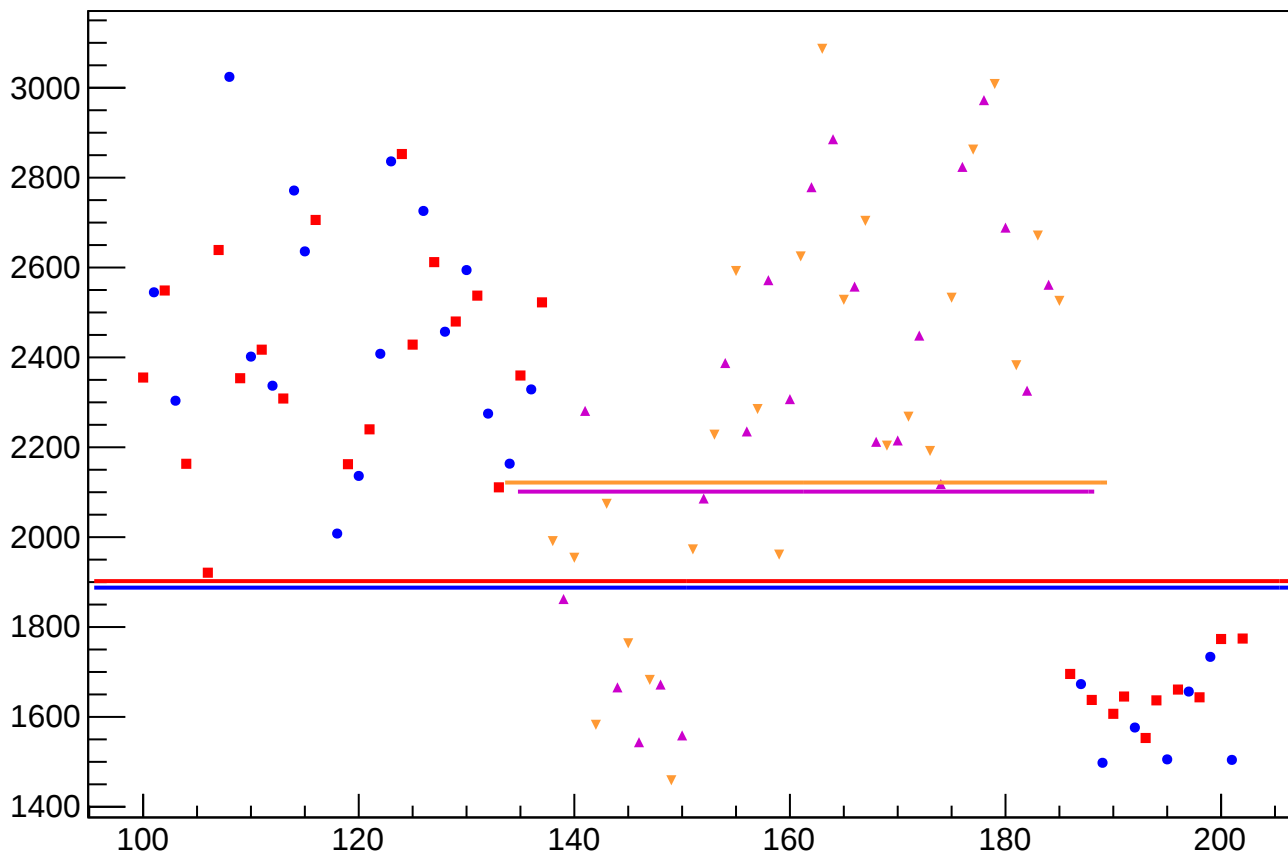
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 42.544 ± 0.379 χ^2/NDF : 13748.7/48

All: 29.948 ± 0.265 χ^2/NDF : 47342.6/100

- sign 17.995 ± 0.369 χ^2/NDF : 31444.4/51

diff_bpm1i06X_rms vs Slug



Right In: 1887.696 $\pm$ 0.406 χ^2 /NDF: 1064799.9/23

Left Out: 2121.567 $\pm$ 0.357 χ^2 /NDF:1387847.6/24

Right Out: 1902.194 $\pm$ 0.373 χ^2 /NDF: 910032.2/28

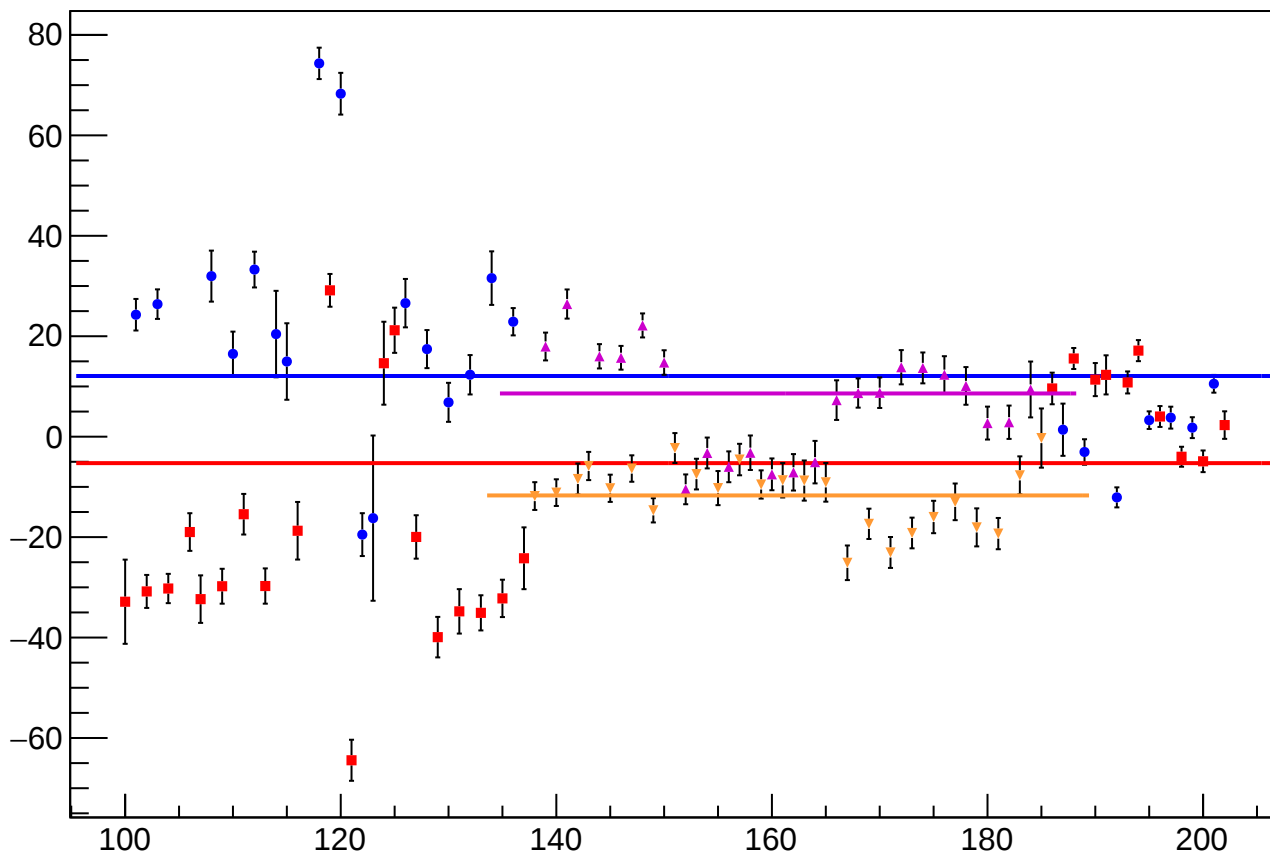
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 2019.457 $\pm$ 0.268 χ^2 /NDF: 2639693.2/48

All: 2011.337 $\pm$ 0.187 χ^2 /NDF: 5057209.5/10

- sign 2003.632 $\pm$ 0.261 χ^2 /NDF: 2415730.1/51

diff_bpm1i06Y_mean vs Slug



Right In: 12.084 ± 0.623 χ^2/NDF : 1022.4/23

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -5.267 ± 0.586 χ^2/NDF : 1289.4/28

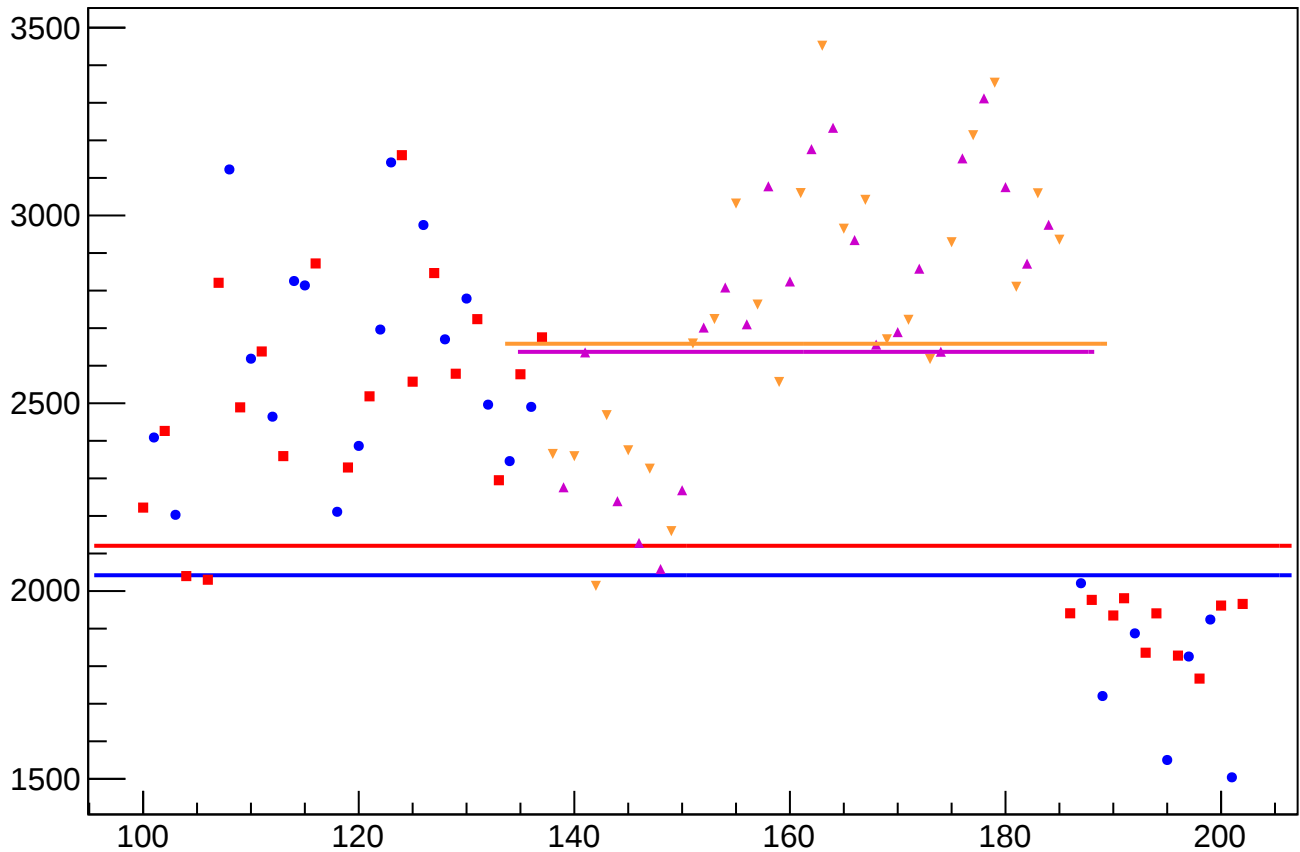
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign 0.248 ± 0.441 χ^2/NDF : 1833.8/48

All: 0.649 ± 0.309 χ^2/NDF : 3644.0/100

- sign 1.035 ± 0.433 χ^2/NDF : 1808.5/51

diff_bpm1i06Y_rms vs Slug



Right In: 2042.105 $\pm$ 0.440 χ^2 /NDF: 1000768.1/23

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

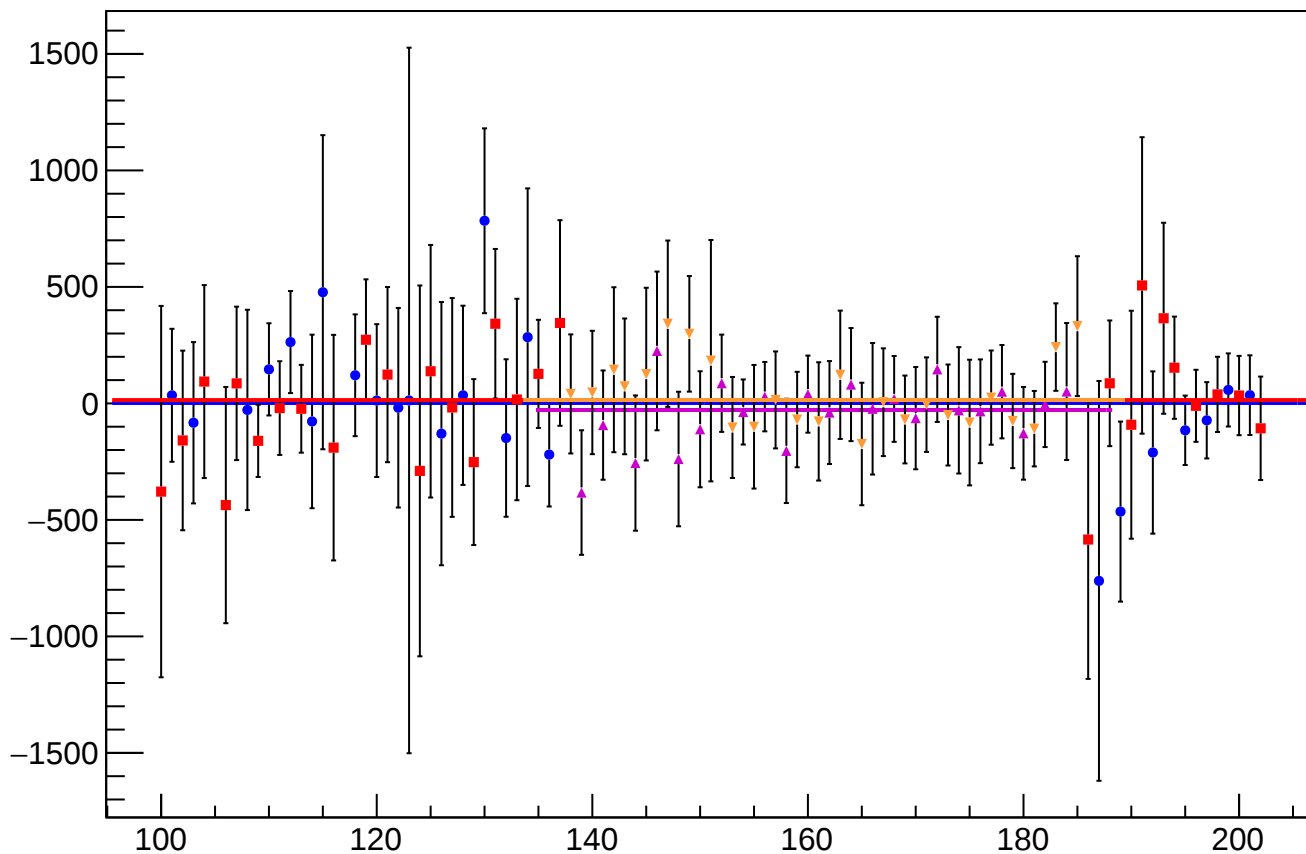
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF:652894.5/22

+ sign 2348.855 $\pm$ 0.312 χ^2 /NDF: 2594673.4/48

All: 2352.044 $\pm$ 0.218 χ^2 /NDF: 4558851.3/10

- 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: 1.936 ± 54.827 χ^2/NDF : 11.7/23

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 14.340 ± 50.698 χ^2/NDF : 9.7/28

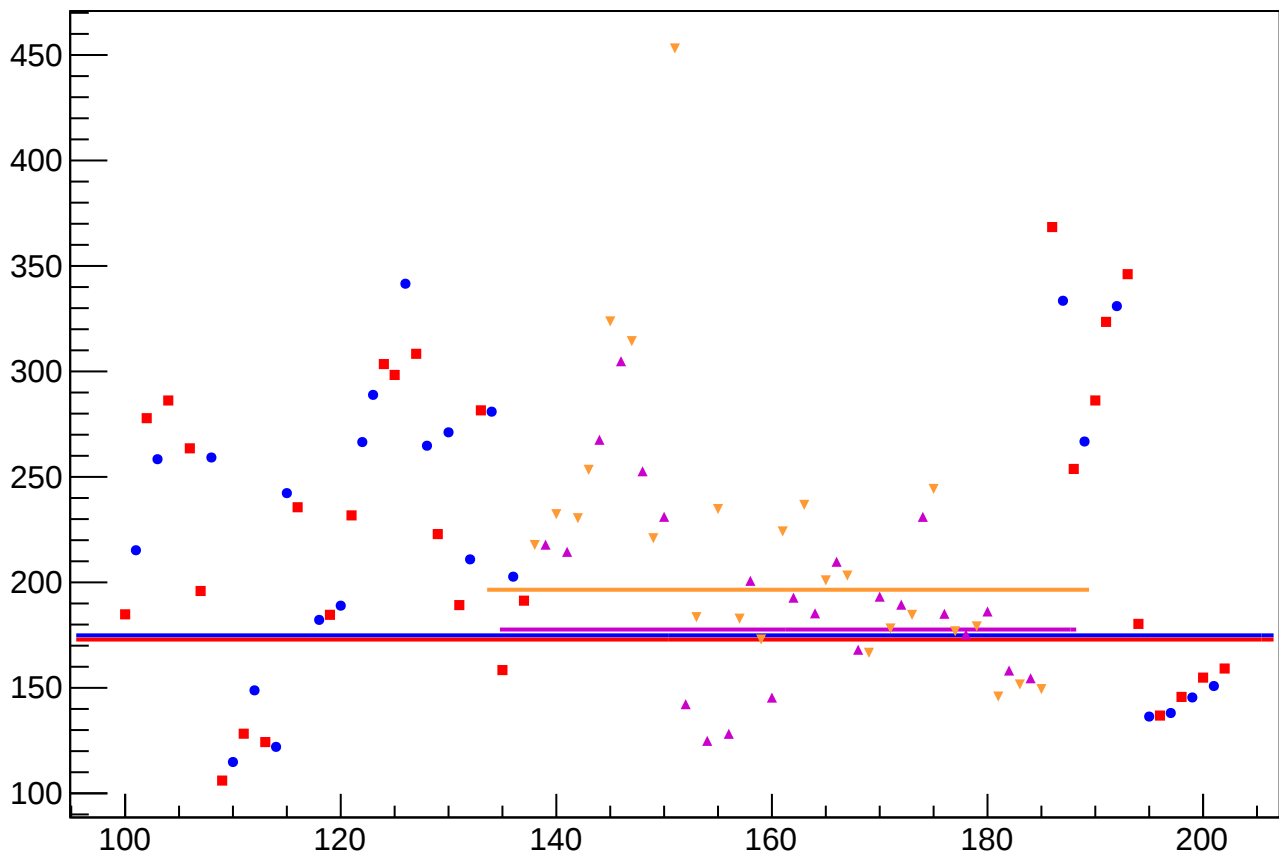
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign 9.121 ± 35.913 χ^2/NDF : 19.5/48

All: -0.934 ± 24.498 χ^2/NDF : 36.1/100

- 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: 174.887 $\pm$ 0.039 χ^2 /NDF: 2051900.4/23

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

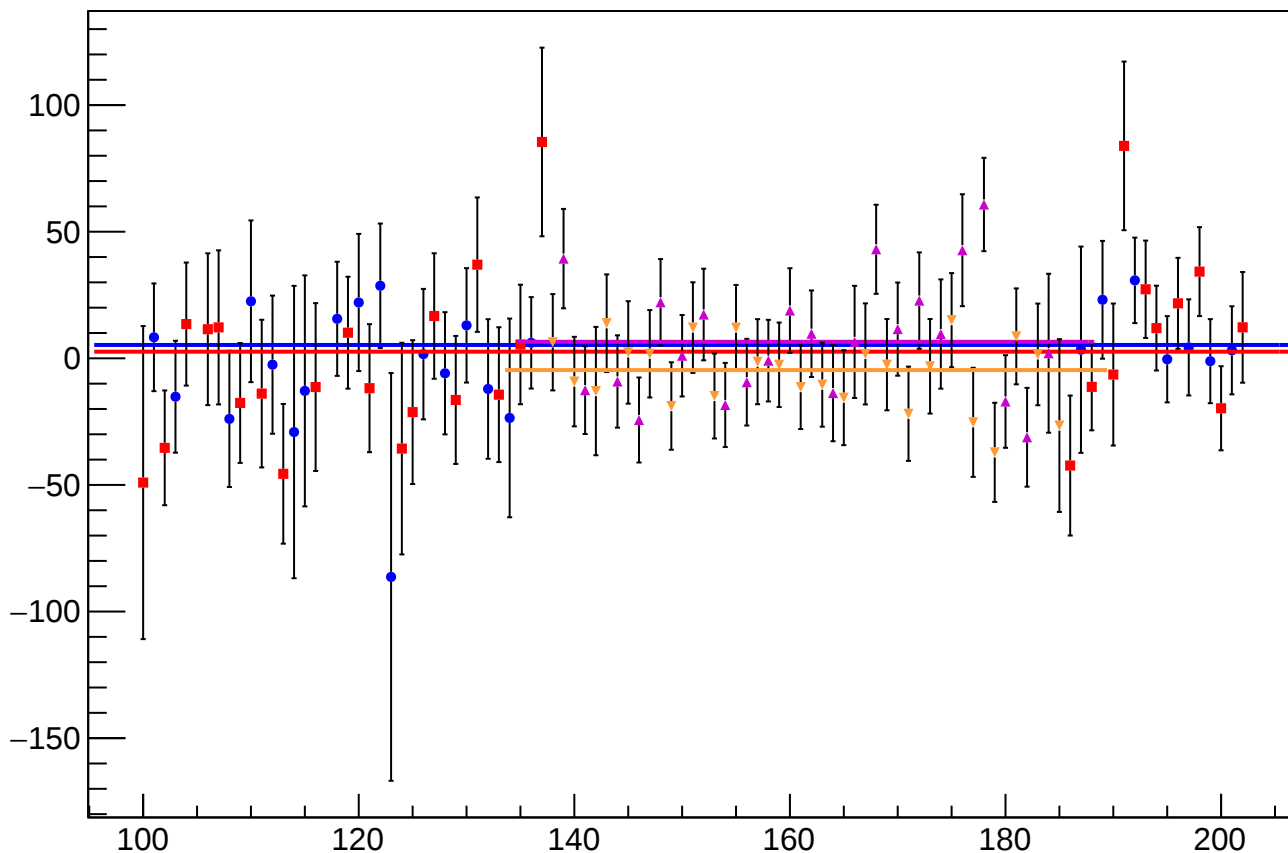
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF:1630664.5/22

+ sign 187.235 $\pm$ 0.025 χ^2 /NDF: 4019088.6/48

All: 180.999 $\pm$ 0.017 χ^2 /NDF: 8512164.3/100

- 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: 5.282 $\pm$ 4.809 χ^2 /NDF: 10.2/23

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

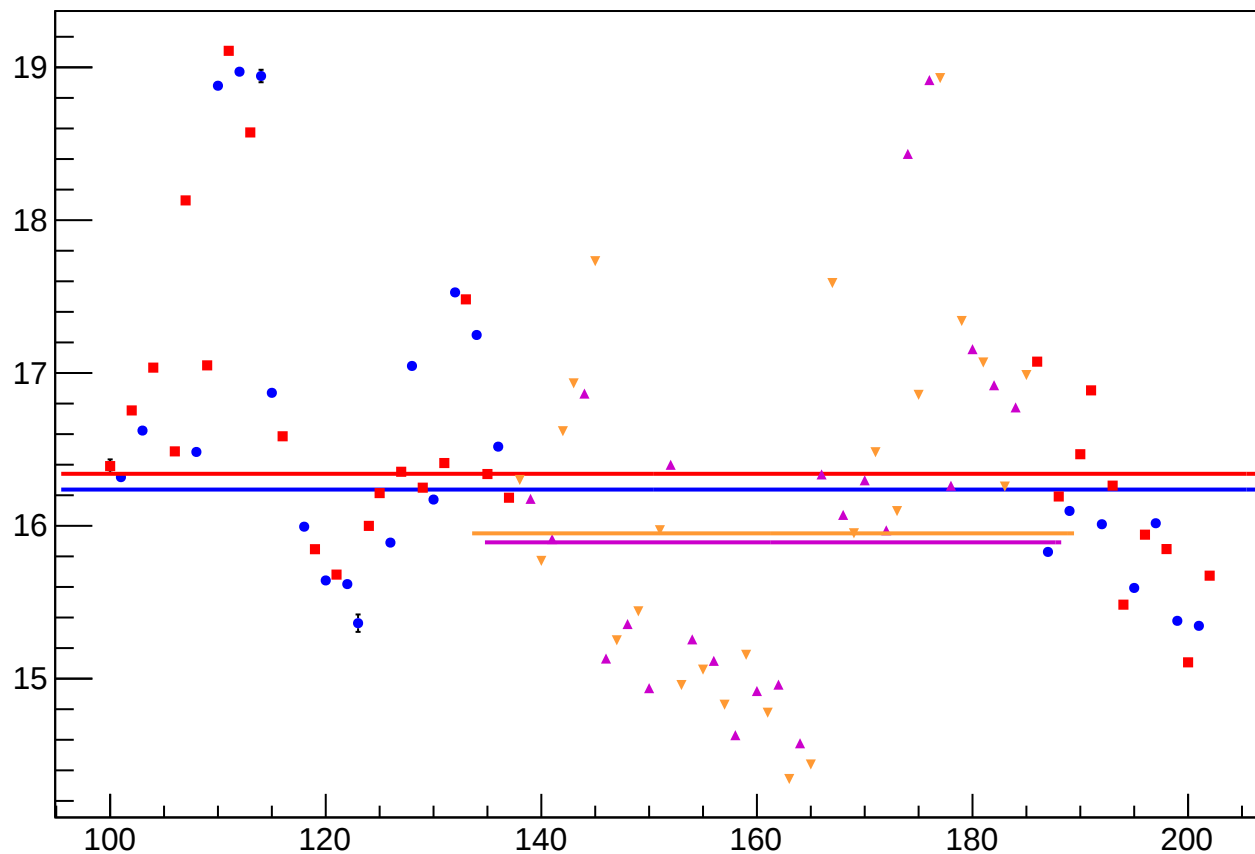
Left In: 6.526 $\pm$ 3.828 χ^2 /NDF:36.4/22

+ sign -0.920 $\pm$ 2.946 χ^2 /NDF: 24.9/48

All: 2.018 $\pm$ 2.068 χ^2 /NDF: 99.5/100

- 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: 16.237 $\pm$ 0.003 χ^2 /NDF: 65272.7/23

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

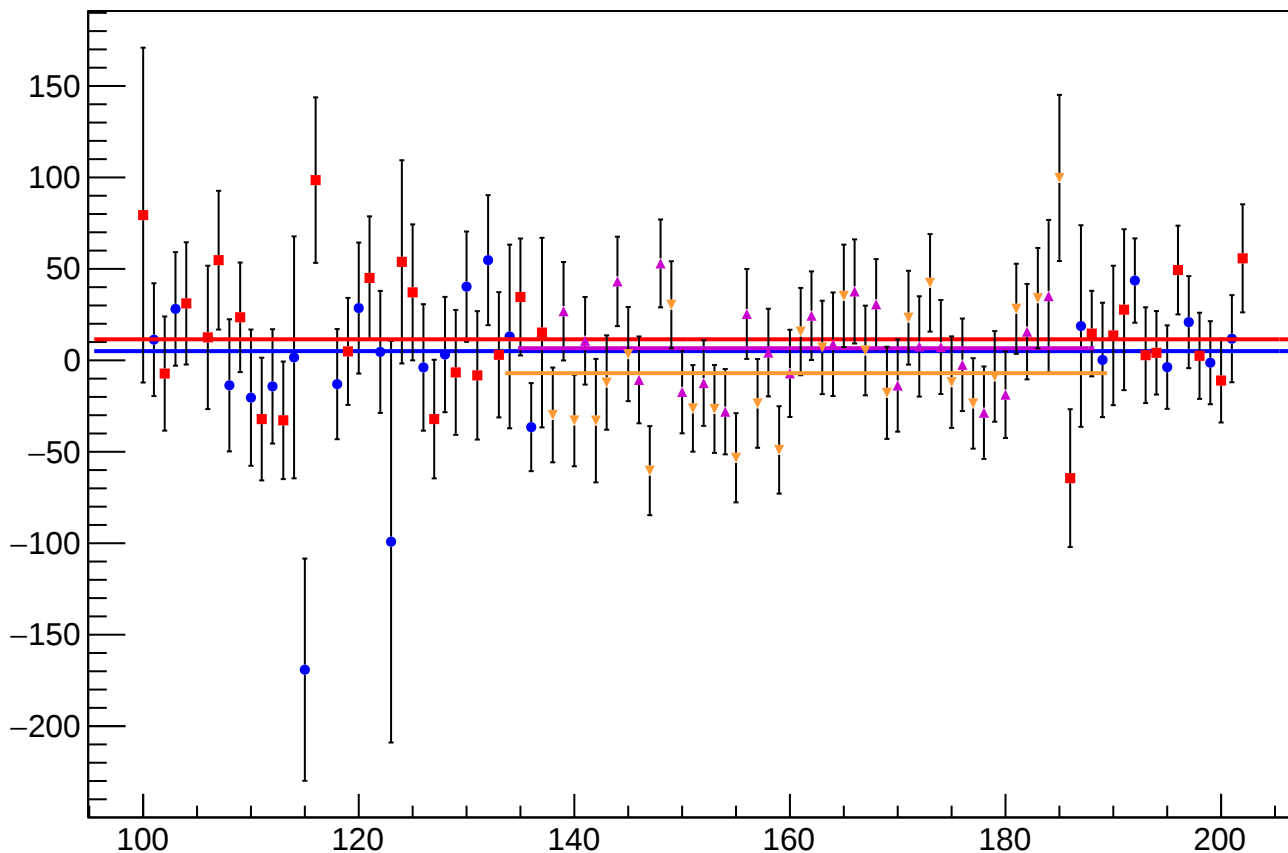
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF:147093.3/22

+ sign 16.058 $\pm$ 0.002 χ^2 /NDF: 243166.1/48

All: 16.071 $\pm$ 0.001 χ^2 /NDF: 473453.4/100

- 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: 5.037 $\pm$ 6.421 χ^2/NDF : 21.6/23

Left Out: -7.017 $\pm$ 5.121 χ^2/NDF : 37.4/24

Right Out: 11.516 $\pm$ 5.930 χ^2/NDF : 25.3/28

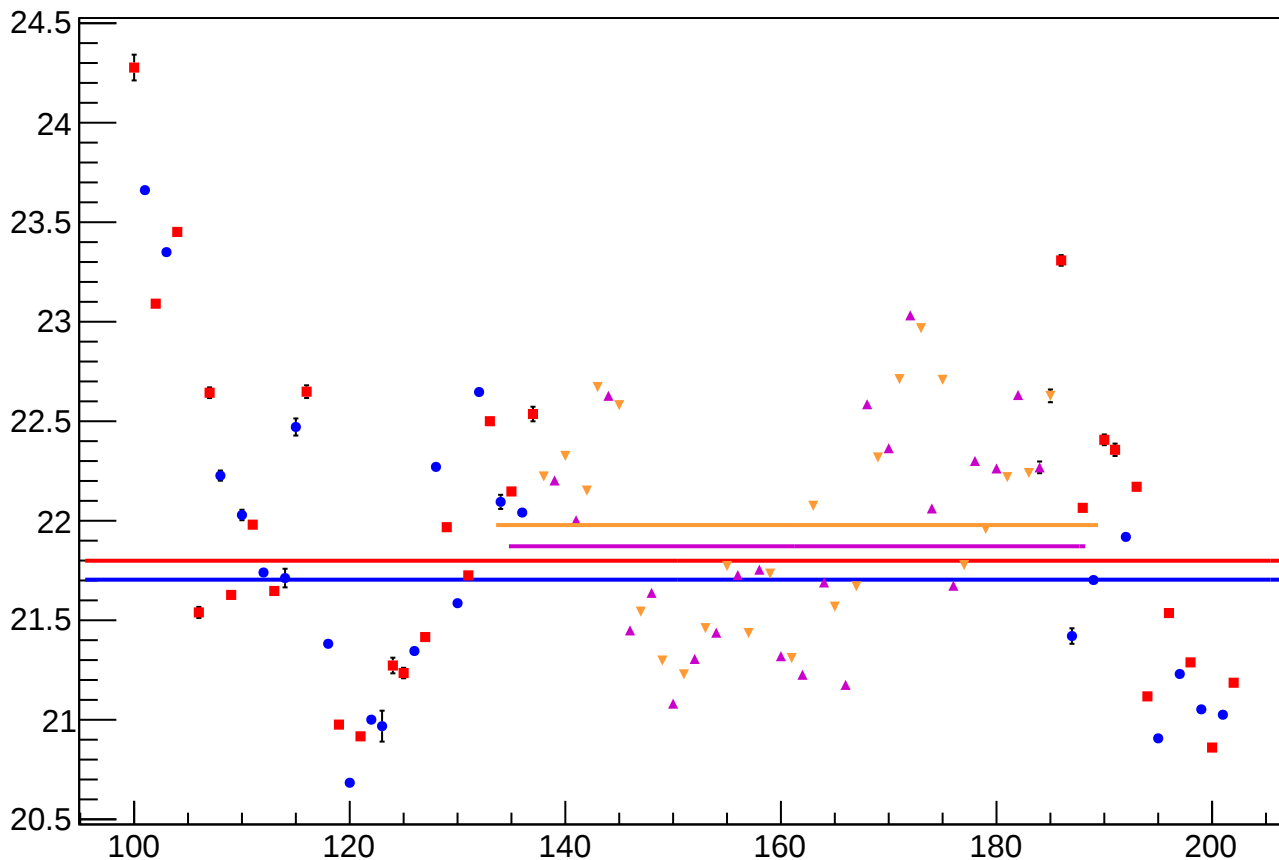
Left In: 6.611 $\pm$ 5.251 χ^2/NDF : 19.1/22

+ sign -2.330 $\pm$ 4.004 χ^2/NDF : 61.2/48

All: 3.319 $\pm$ 2.805 χ^2/NDF : 110.0/100

- sign 8.767 $\pm$ 3.931 χ^2/NDF : 44.8/51

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.704 $\pm$ 0.005 χ^2 /NDF: 26868.1/23

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

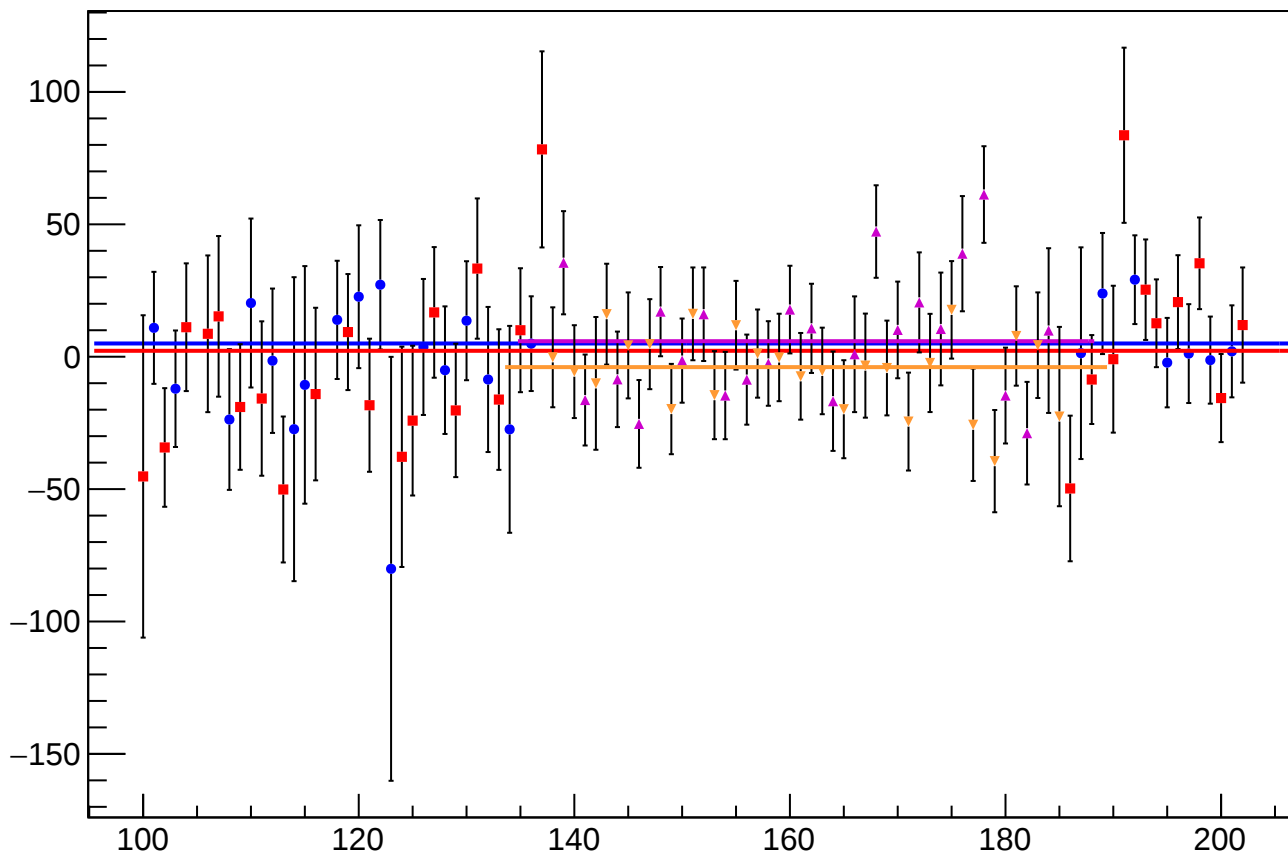
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.872 $\pm$ 0.003 χ^2 /NDF: 48530.8/48

All: 21.856 $\pm$ 0.002 χ^2 /NDF: 98302.8/100

- 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: 5.003 ± 4.775 $\chi^2/\text{NDF}: 9.5/23$

Left Out: -3.927 ± 3.688 $\chi^2/\text{NDF}: 14.0/24$

Right Out: 2.237 ± 4.416 $\chi^2/\text{NDF}: 36.6/28$

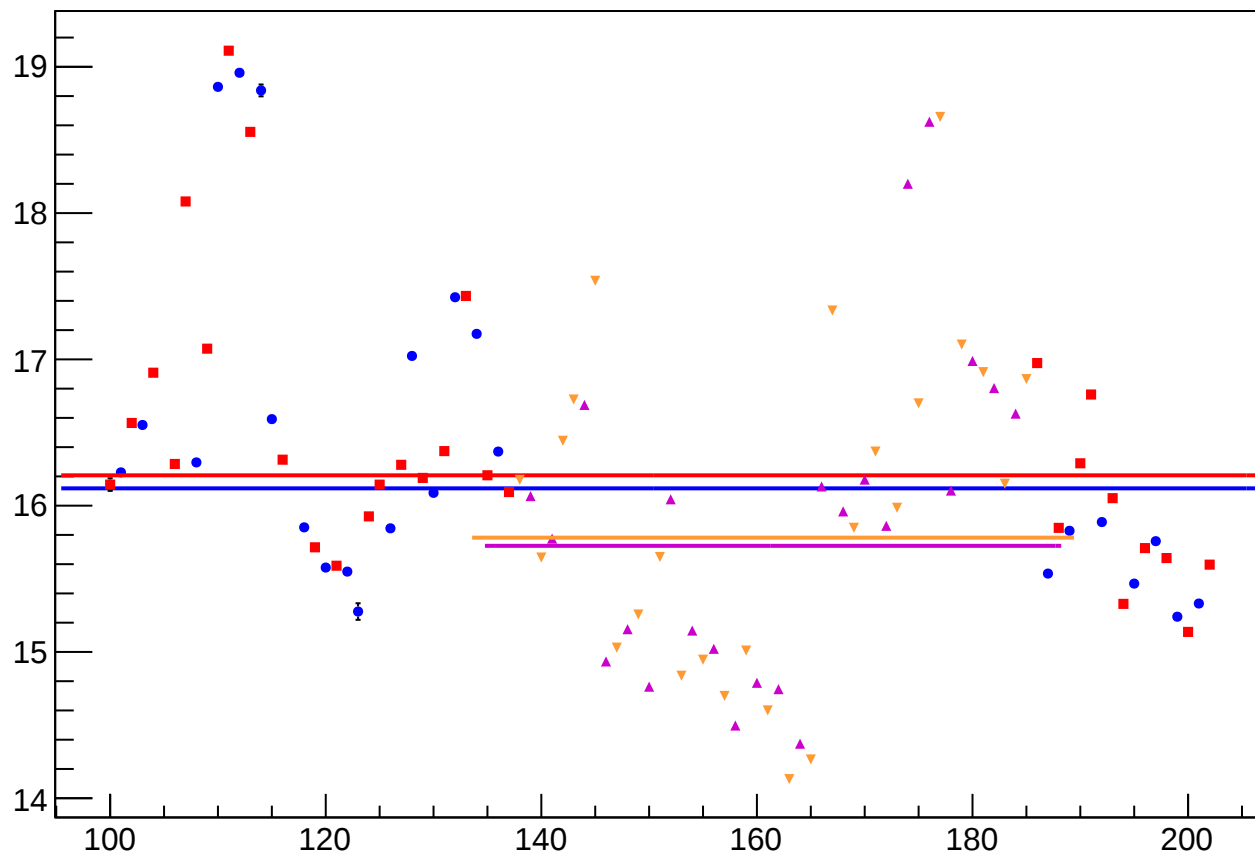
Left In: 5.861 ± 3.787 $\chi^2/\text{NDF}: 36.2/22$

+ sign -0.590 ± 2.919 $\chi^2/\text{NDF}: 25.7/48$

All: 1.905 ± 2.048 $\chi^2/\text{NDF}: 100.3/100$

- 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: 16.118 $\pm$ 0.003 χ^2 /NDF: 68650.4/23

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

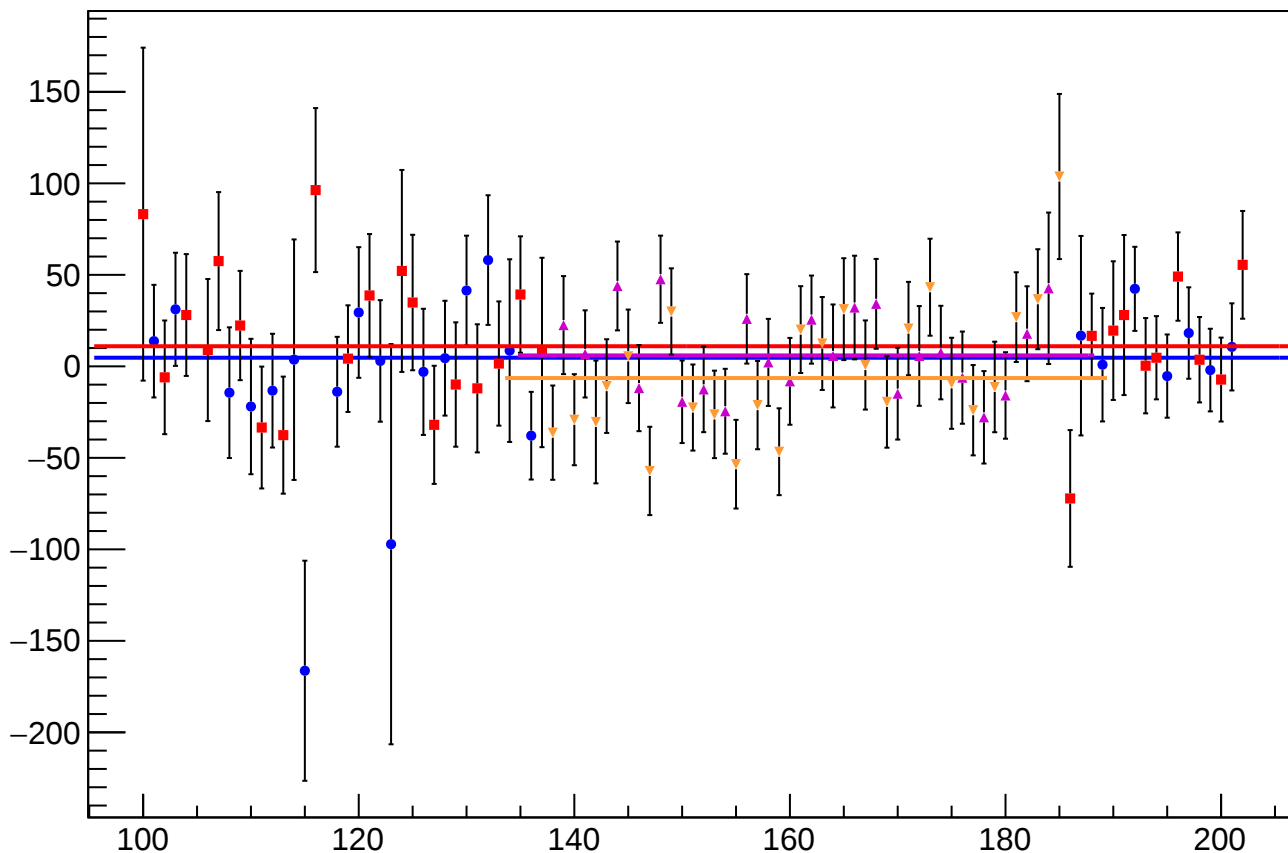
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

+ sign 15.907 $\pm$ 0.002 χ^2 /NDF: 247785.2/48

All: 15.919 $\pm$ 0.001 χ^2 /NDF: 483339.2/100

- 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: 4.716 ± 6.390 χ^2/NDF : 22.2/23

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 10.989 ± 5.897 χ^2/NDF : 26.7/28

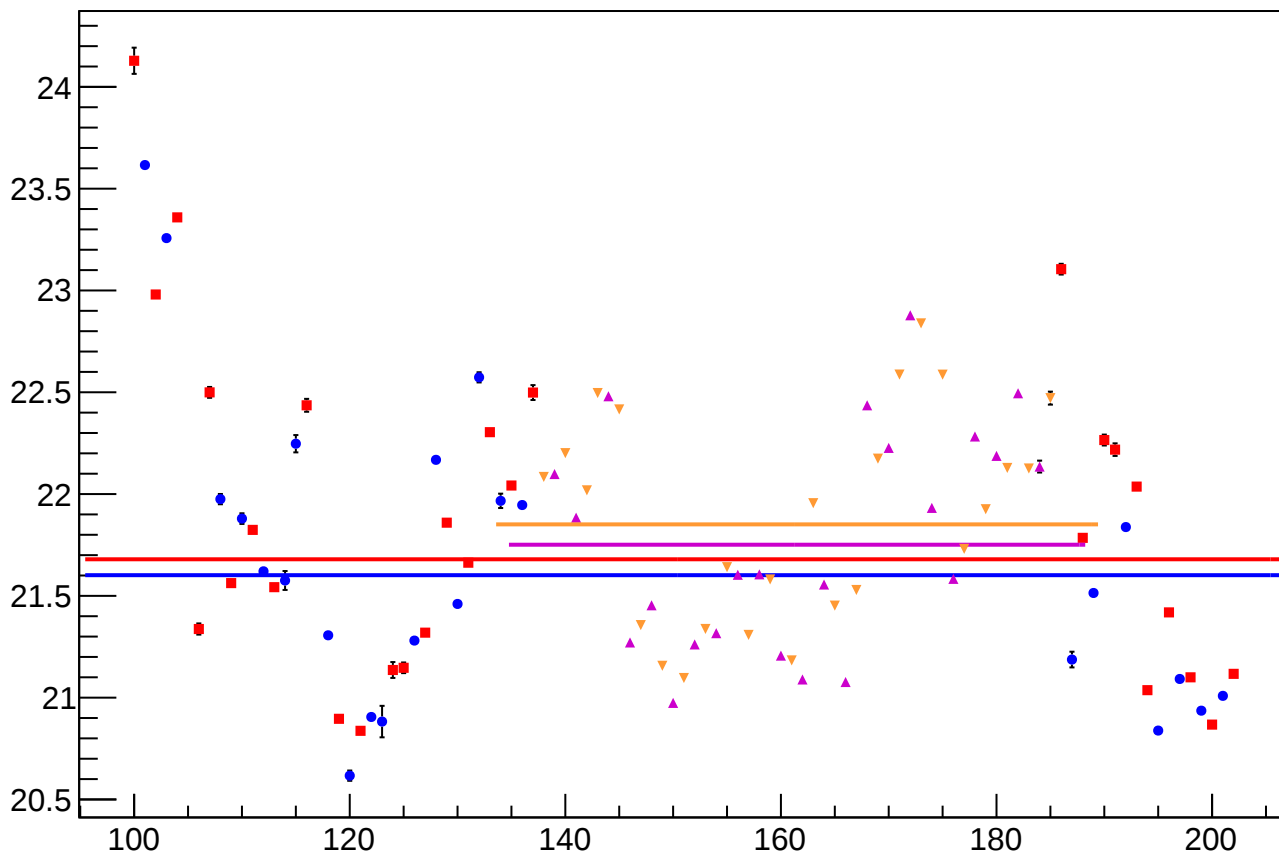
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -2.086 ± 3.982 χ^2/NDF : 61.4/48

All: 3.141 ± 2.790 χ^2/NDF : 110.4/100

- 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: 21.602 $\pm$ 0.005 χ^2 /NDF: 26852.6/23

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

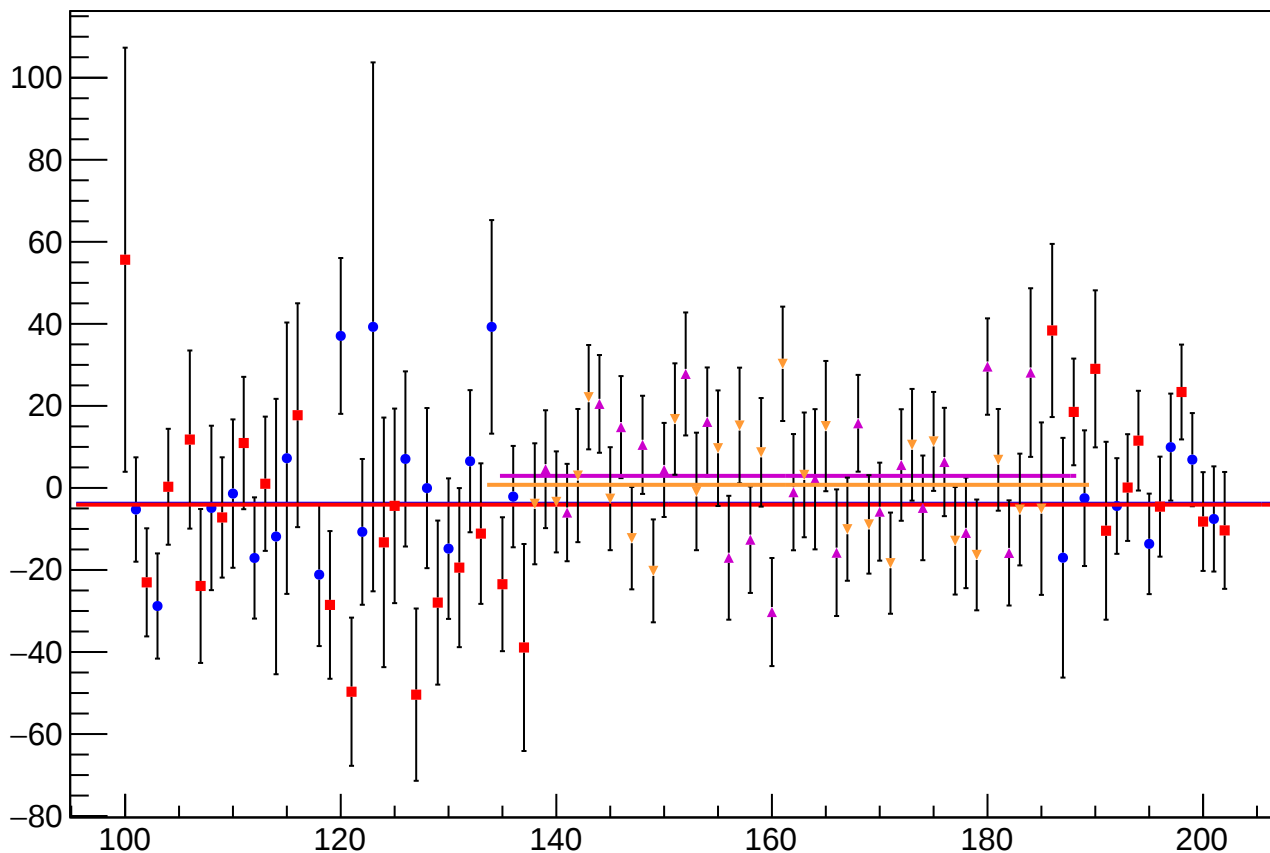
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

+ sign 21.754 $\pm$ 0.003 χ^2 /NDF: 48349.8/48

All: 21.737 $\pm$ 0.002 χ^2 /NDF: 96400.4/100

- 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: -3.848 ± 3.301 χ^2/NDF : 17.8/23

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -4.075 ± 3.063 χ^2/NDF : 43.4/28

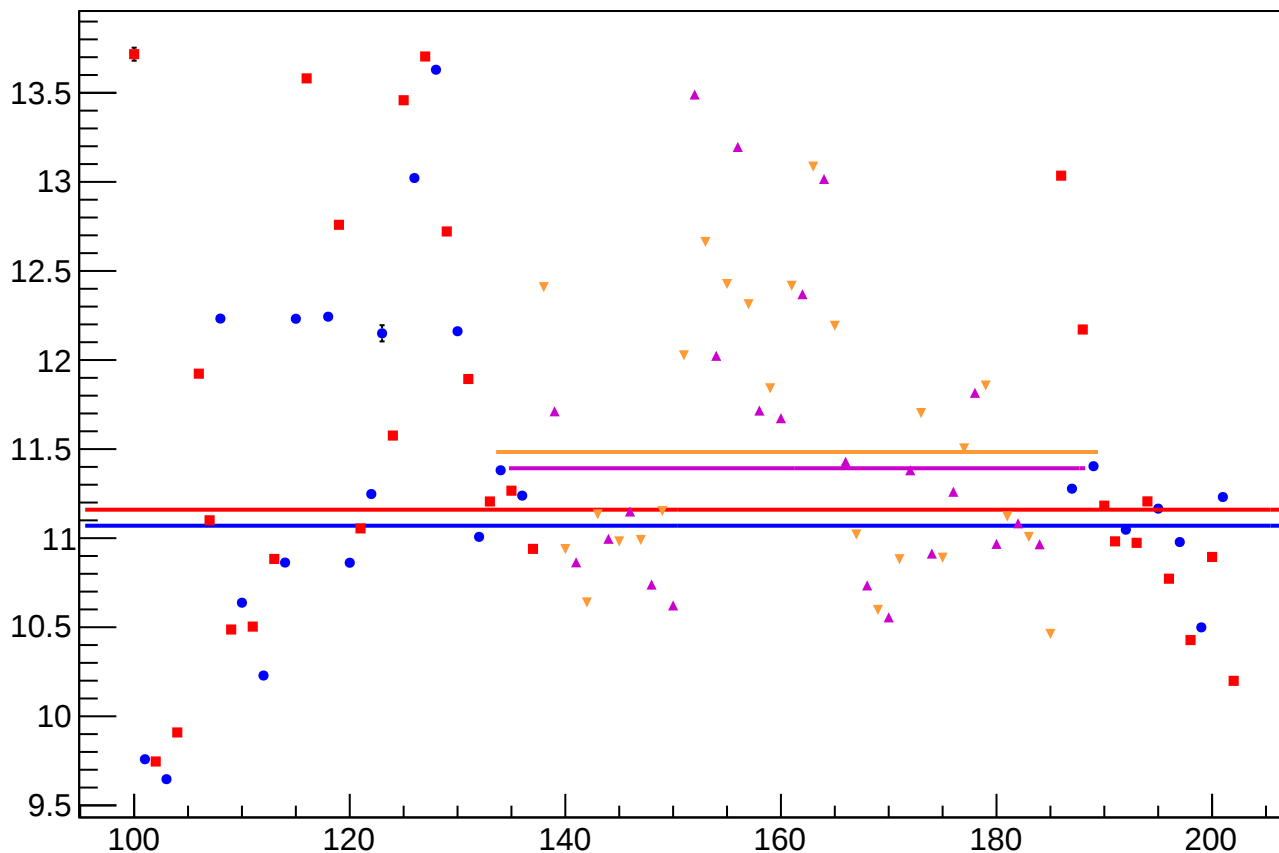
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -1.087 ± 2.089 χ^2/NDF : 42.8/48

All: -0.634 ± 1.463 χ^2/NDF : 120.0/100

- sign -0.198 ± 2.049 χ^2/NDF : 77.2/51

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.070 $\pm$ 0.002 χ^2 /NDF: 139260.6/23

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 11.160 $\pm$ 0.002 χ^2 /NDF: 198137.4/28

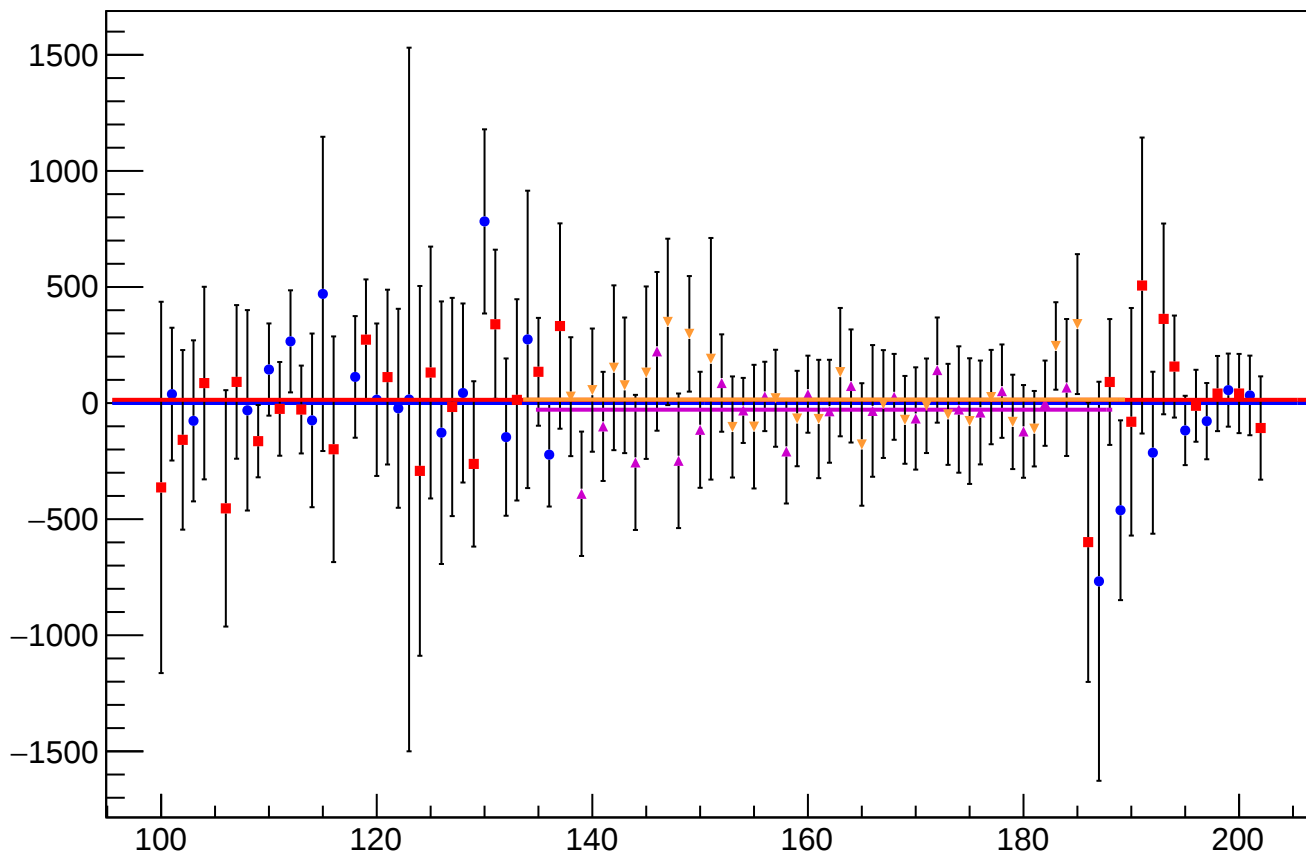
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.318 $\pm$ 0.001 χ^2 /NDF: 287908.4/48

All: 11.303 $\pm$ 0.001 χ^2 /NDF: 643108.7/100

- sign 11.288 $\pm$ 0.001 χ^2 /NDF: 354995.3/51

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 0.368 ± 54.969 χ^2/NDF : 11.7/23

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 14.085 ± 50.837 χ^2/NDF : 9.9/28

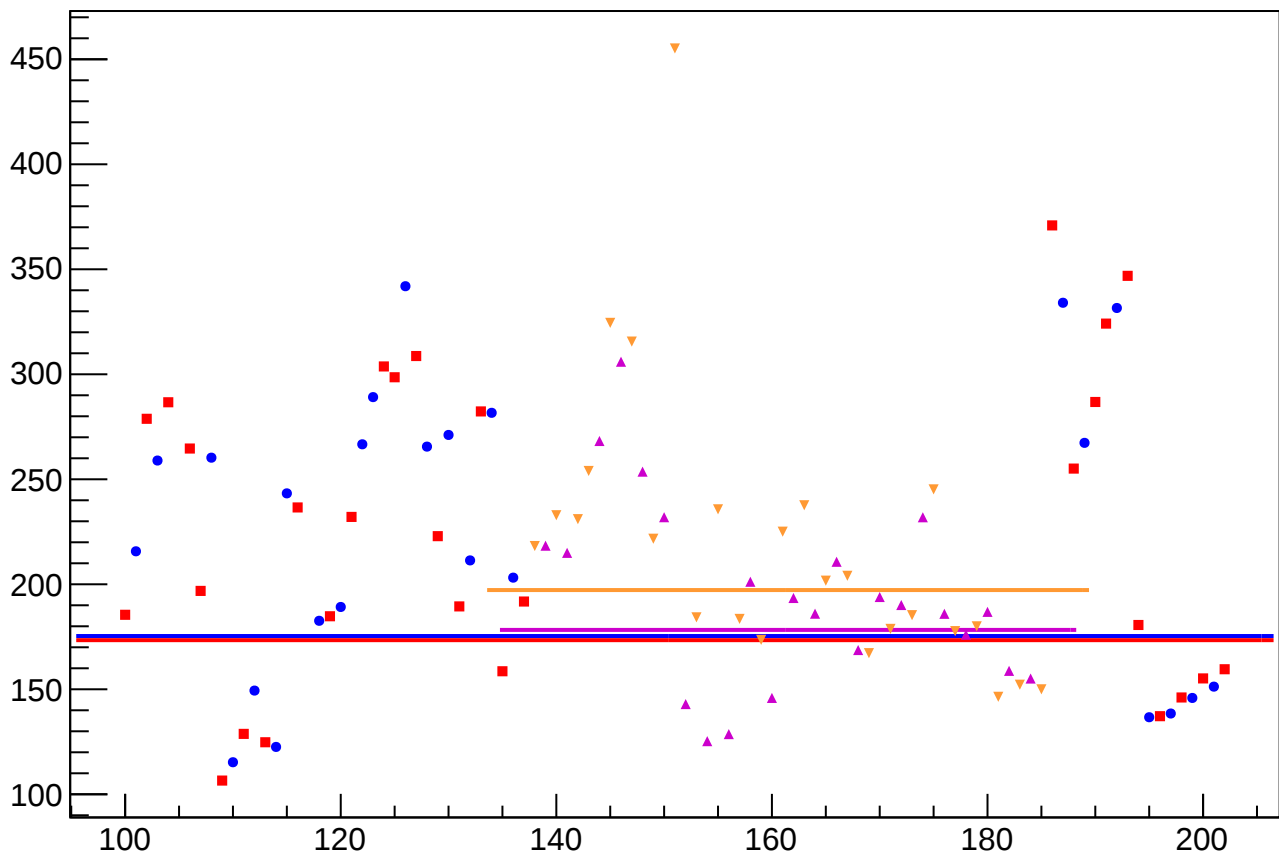
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign 8.788 ± 36.029 χ^2/NDF : 19.7/48

All: -1.197 ± 24.576 χ^2/NDF : 36.6/100

- 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: 175.361 $\pm$ 0.039 χ^2/NDF : 2046576.0/23

Left Out: 197.249 $\pm$ 0.034 χ^2/NDF :1786808.1/24

Right Out: 173.391 $\pm$ 0.036 χ^2/NDF : 2735726.7/28

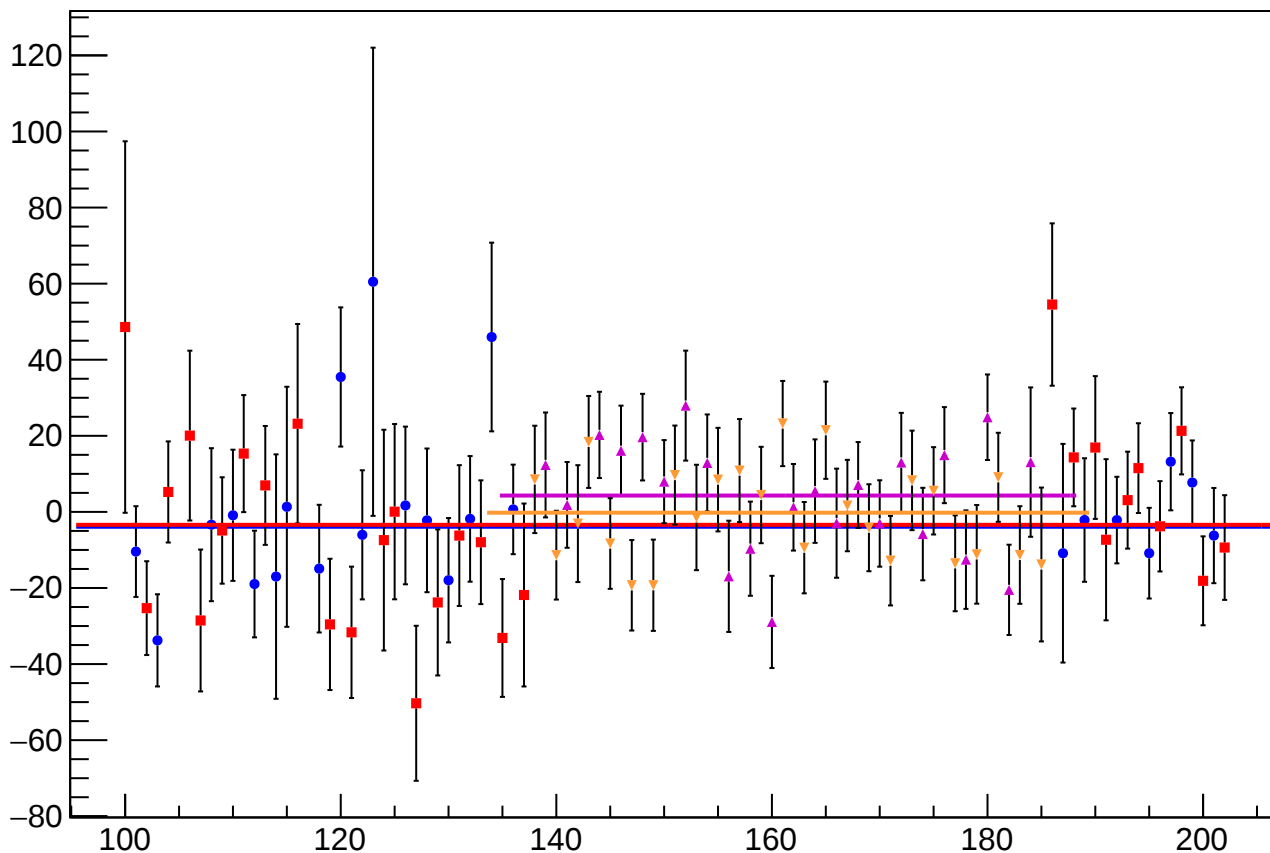
Left In: 178.277 $\pm$ 0.032 χ^2/NDF :1628916.6/22

+ sign 187.846 $\pm$ 0.025 χ^2/NDF : 4014270.8/48

All: 181.587 $\pm$ 0.017 χ^2/NDF : 8502177.4/100

- sign 176.141 $\pm$ 0.024 χ^2/NDF : 4375043.8/51

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -3.898 ± 3.181 χ^2/NDF : 22.3/23

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -3.395 ± 2.963 χ^2/NDF : 45.2/28

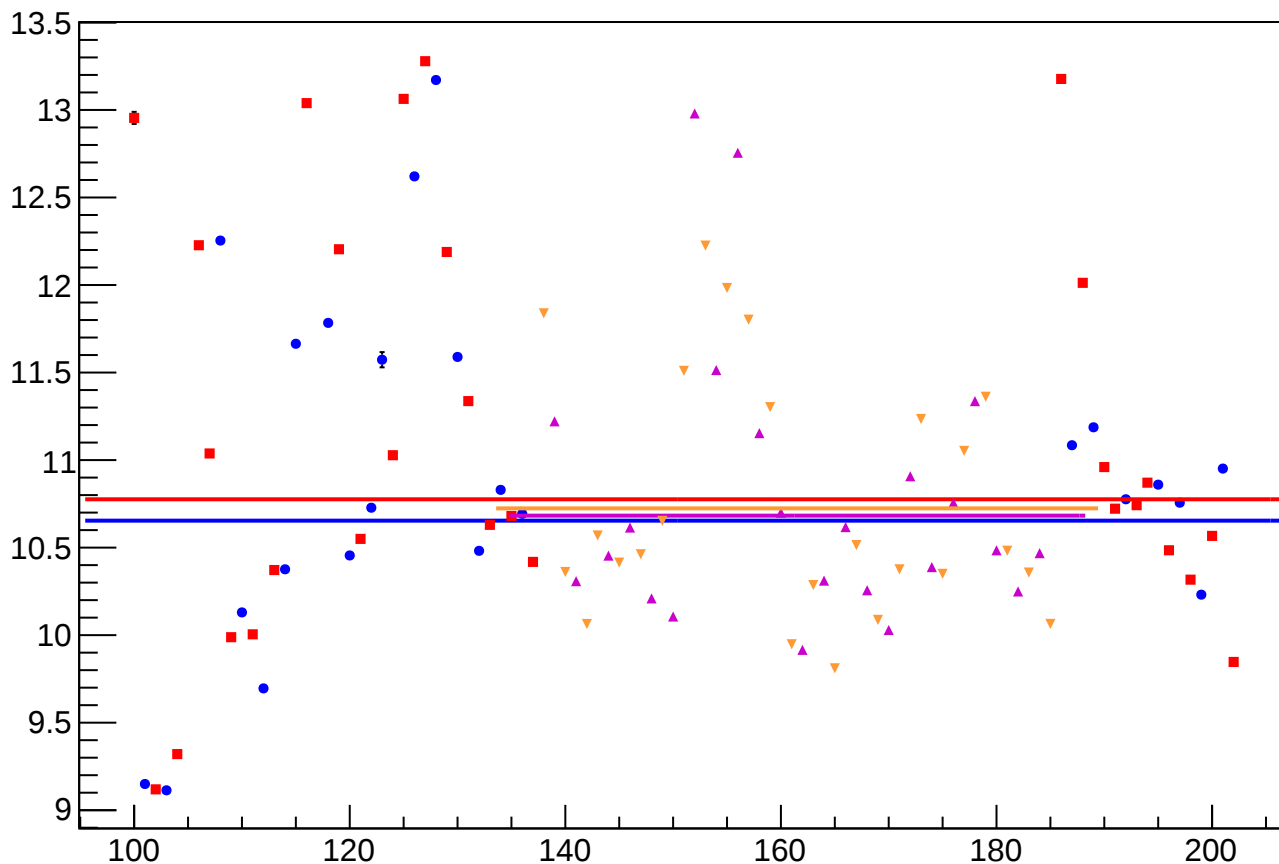
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -1.635 ± 1.977 χ^2/NDF : 47.7/48

All: -0.316 ± 1.388 χ^2/NDF : 129.1/100

- 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: 10.654 $\pm$ 0.002 χ^2 /NDF: 167969.7/23

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

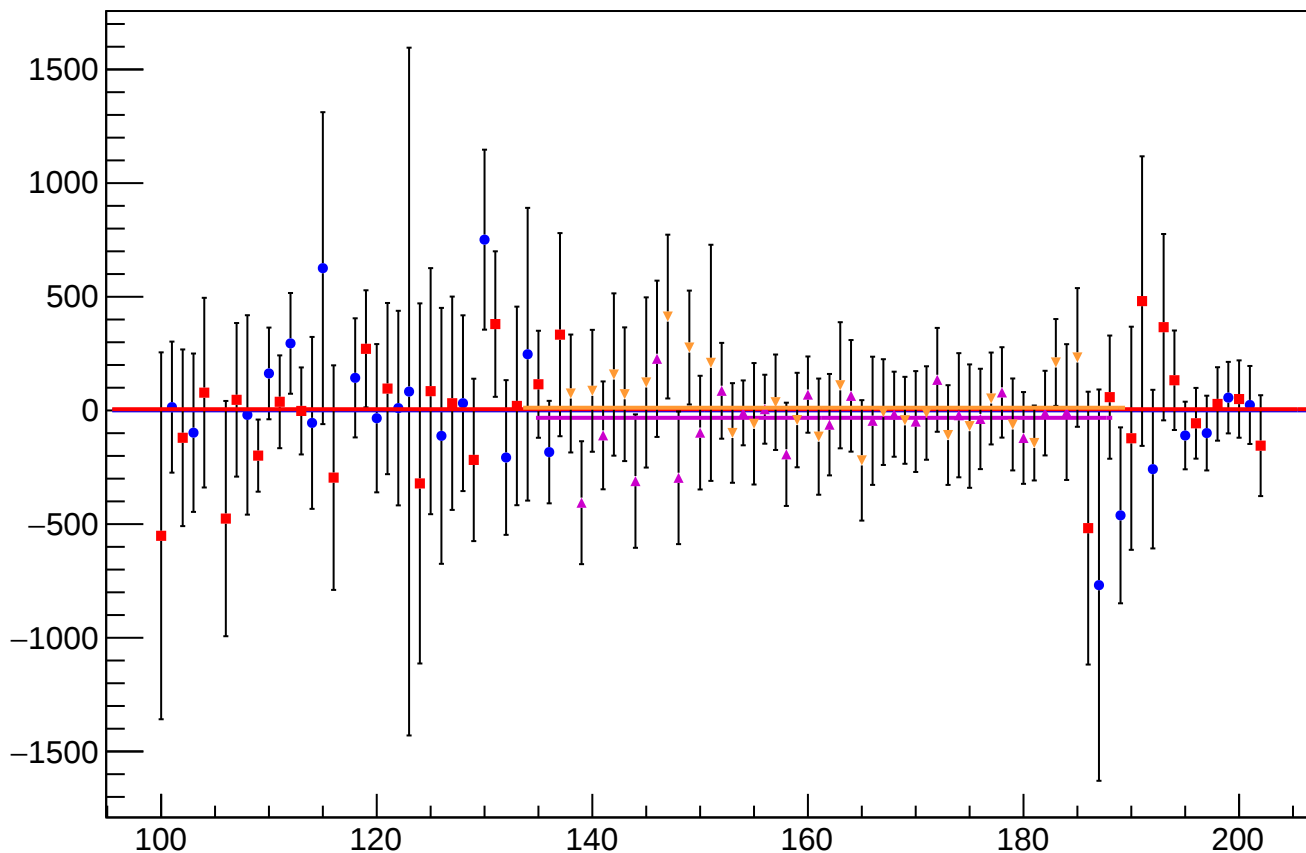
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF:147835.6/22

+ sign 10.697 $\pm$ 0.001 χ^2 /NDF: 301125.6/48

All: 10.710 $\pm$ 0.001 χ^2 /NDF: 686630.3/100

- 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: 0.425 ± 55.112 χ^2/NDF : 12.3/23

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 5.416 ± 51.067 χ^2/NDF : 10.7/28

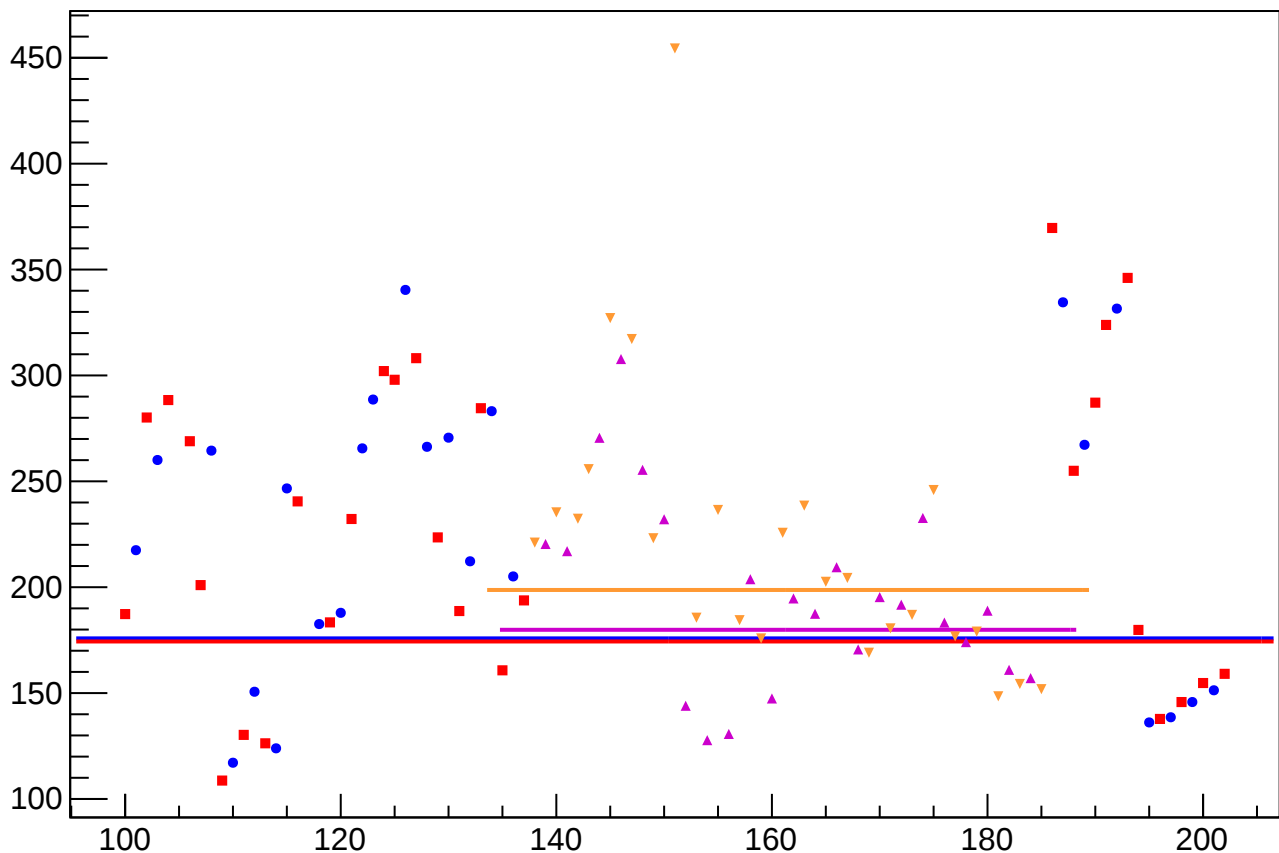
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign 6.942 ± 36.206 χ^2/NDF : 20.0/48

All: -5.208 ± 24.718 χ^2/NDF : 38.1/100

- sign -15.814 ± 33.827 χ^2/NDF : 17.9/51

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 175.833 $\pm$ 0.039 χ^2 /NDF: 2042245.7/23

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

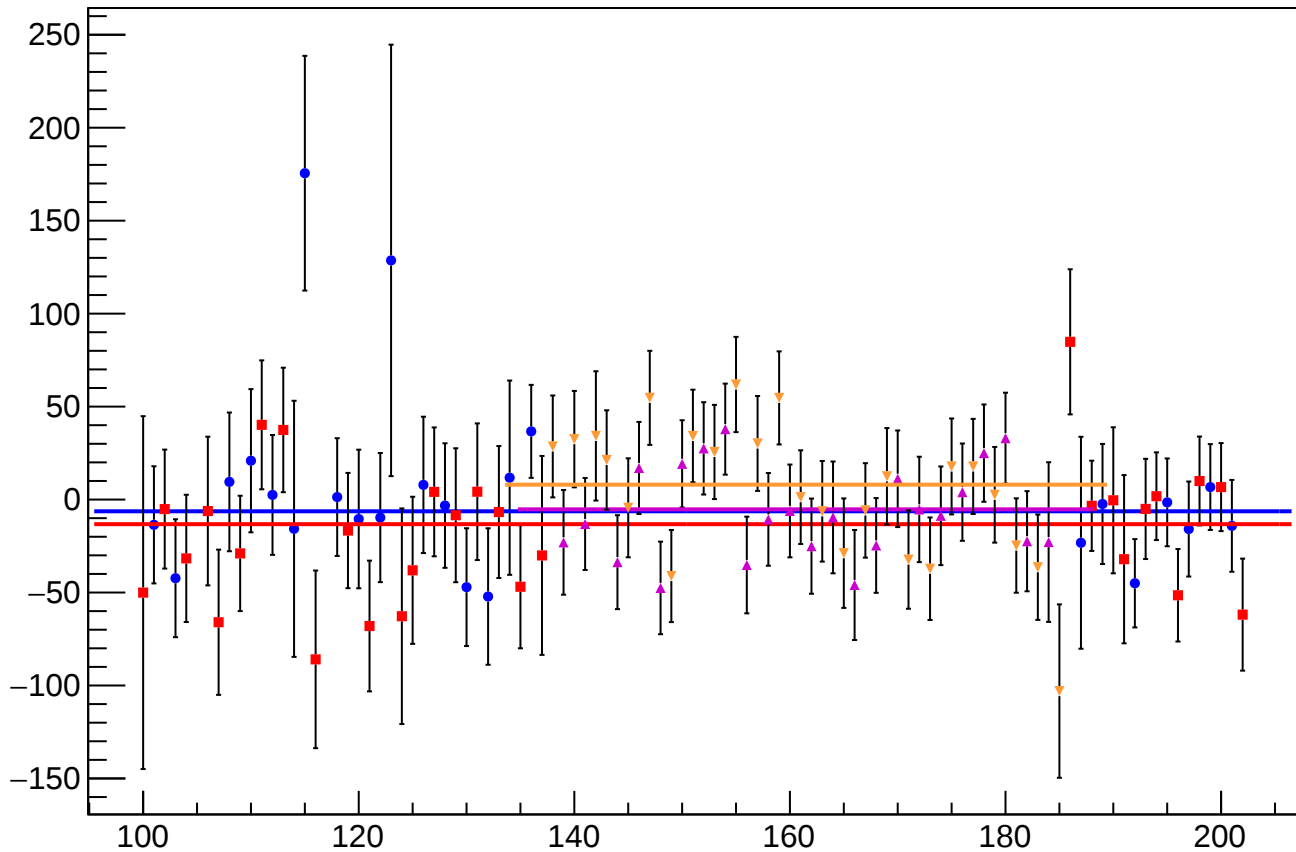
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 188.828 $\pm$ 0.026 χ^2 /NDF: 3997179.8/48

All: 182.762 $\pm$ 0.017 χ^2 /NDF: 8385815.3/100

- 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: -6.305 $\pm$ 6.643 χ^2/NDF : 21.7/23

Left Out: 8.004 $\pm$ 5.334 χ^2/NDF : 37.4/24

Right Out: -13.236 $\pm$ 6.140 χ^2/NDF : 28.7/28

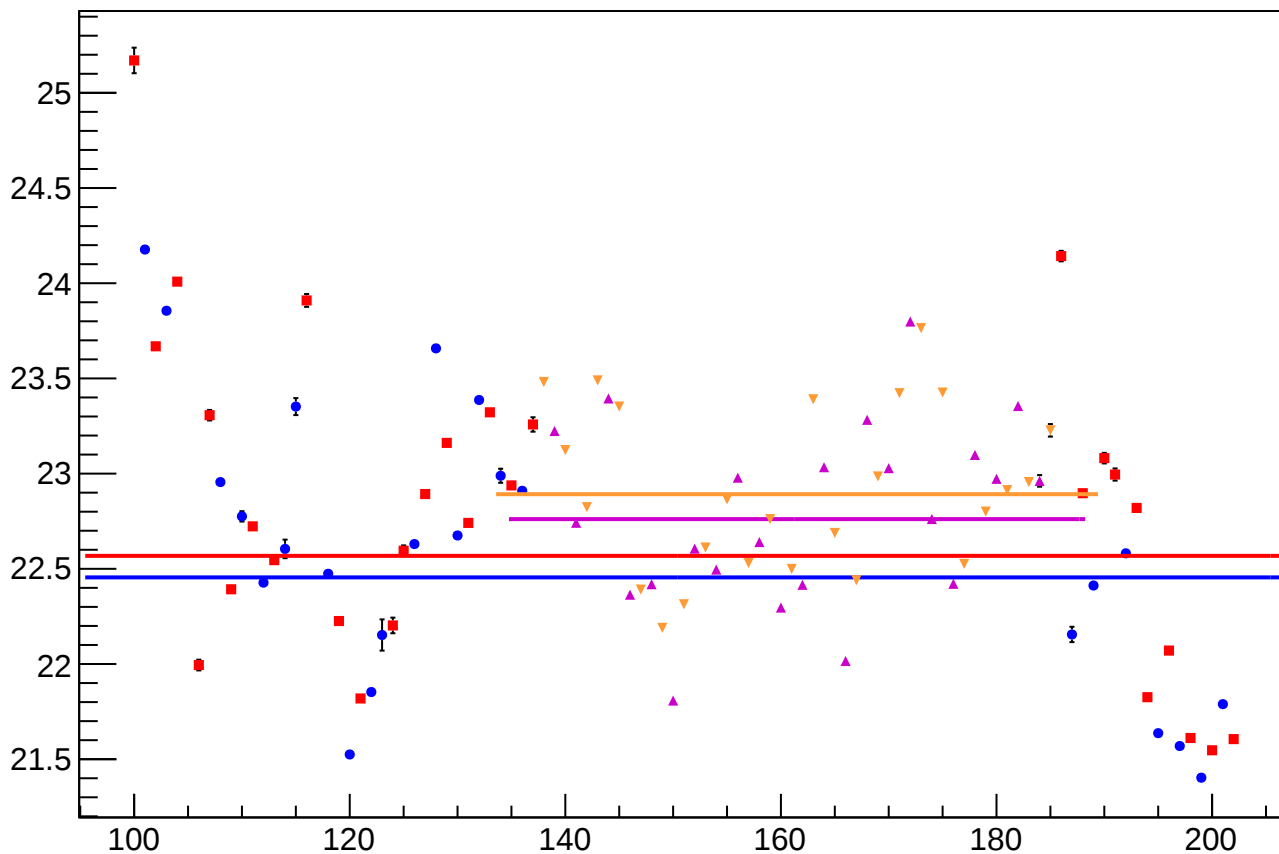
Left In: -5.261 $\pm$ 5.465 χ^2/NDF : 20.8/22

+ sign 2.395 $\pm$ 4.159 χ^2/NDF : 61.9/48

All: -3.300 $\pm$ 2.913 χ^2/NDF : 116.0/100

- sign -8.786 $\pm$ 4.082 χ^2/NDF : 50.4/51

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.455 $\pm$ 0.005 χ^2 /NDF: 28057.8/23

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

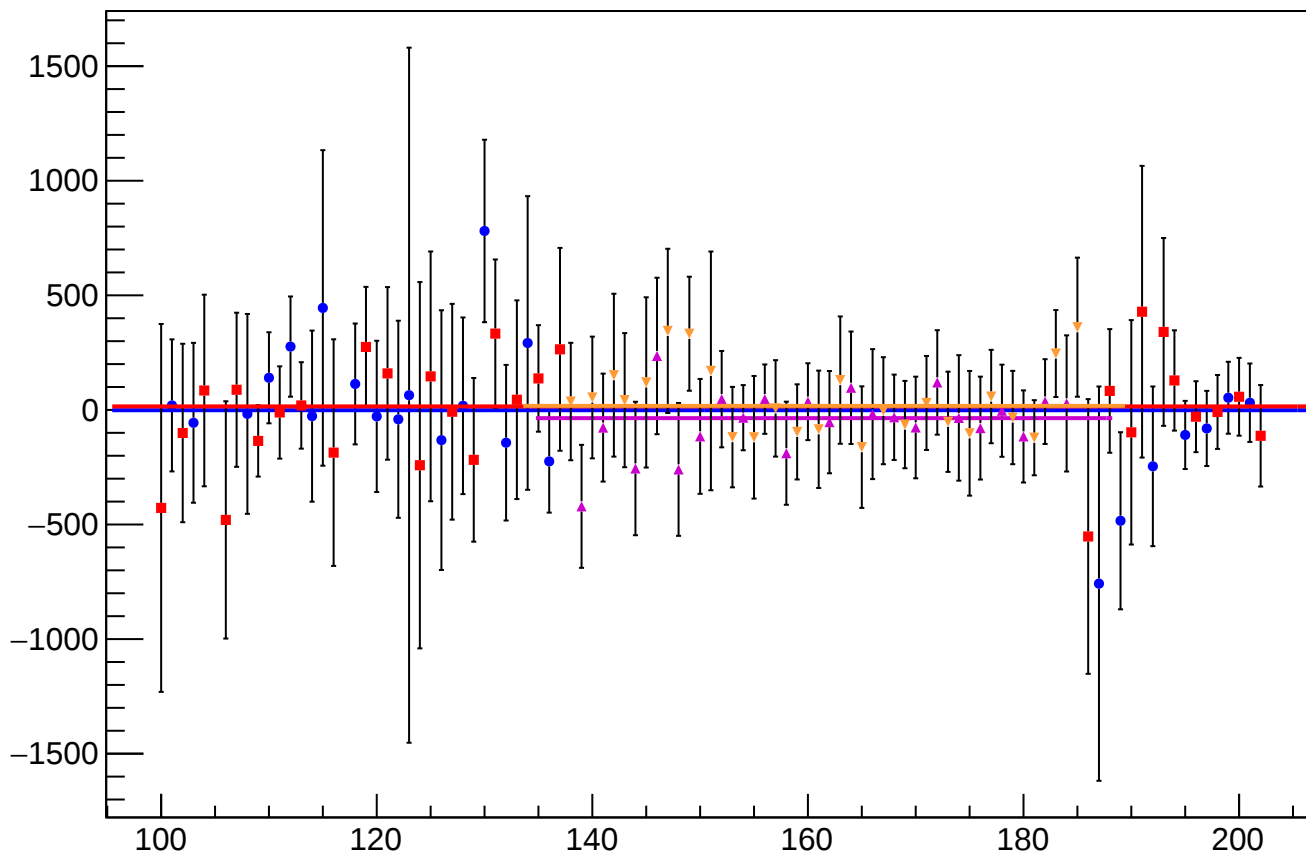
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.721 $\pm$ 0.003 χ^2 /NDF: 46314.4/48

All: 22.698 $\pm$ 0.002 χ^2 /NDF: 91849.0/100

- 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: -1.324 ± 54.946 χ^2/NDF : 11.8/23

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 15.363 ± 50.815 χ^2/NDF : 8.6/28

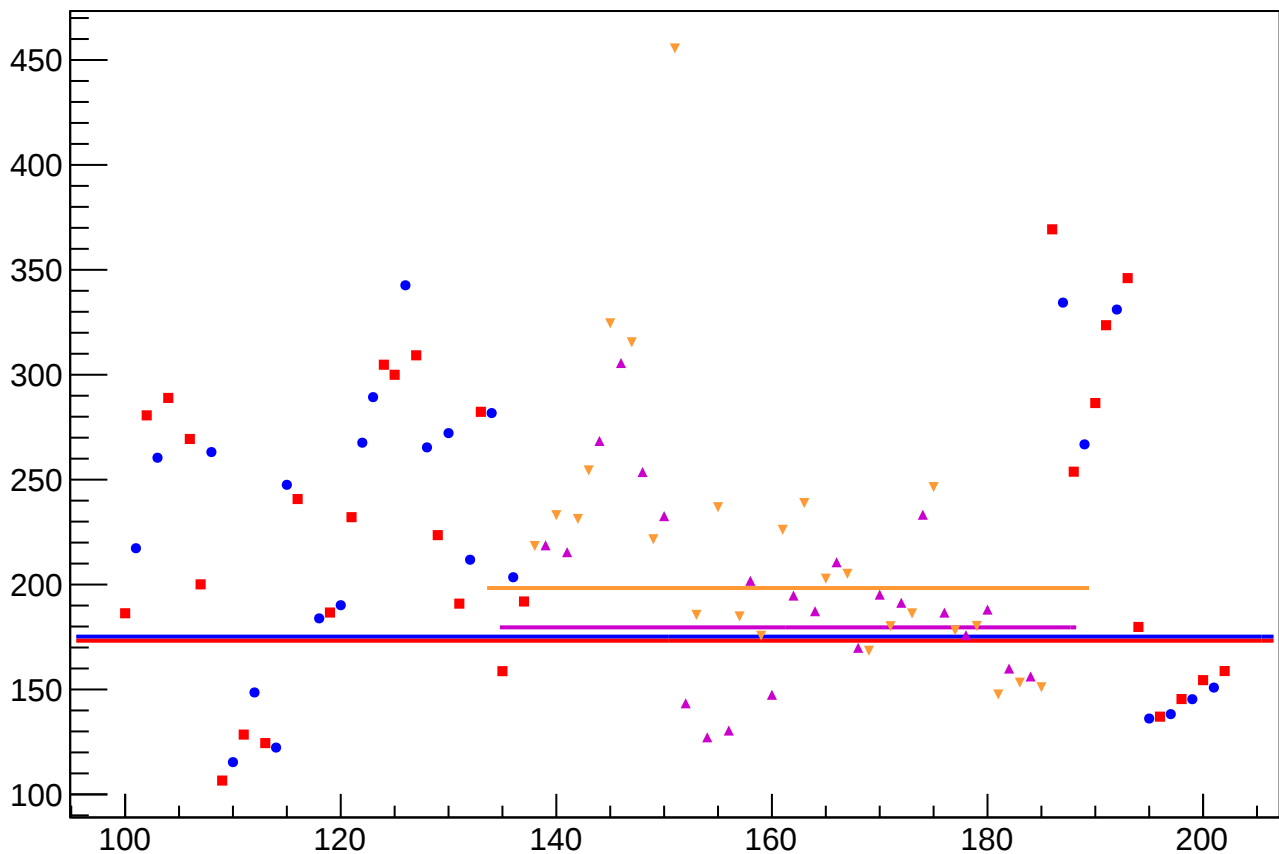
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign 9.521 ± 36.124 χ^2/NDF : 20.4/48

All: -2.676 ± 24.652 χ^2/NDF : 36.1/100

- 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: 175.186 $\pm$ 0.039 χ^2 /NDF: 2073567.3/23

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF:1757450.6/24

Right Out: 173.240 $\pm$ 0.036 χ^2 /NDF: 2761632.6/28

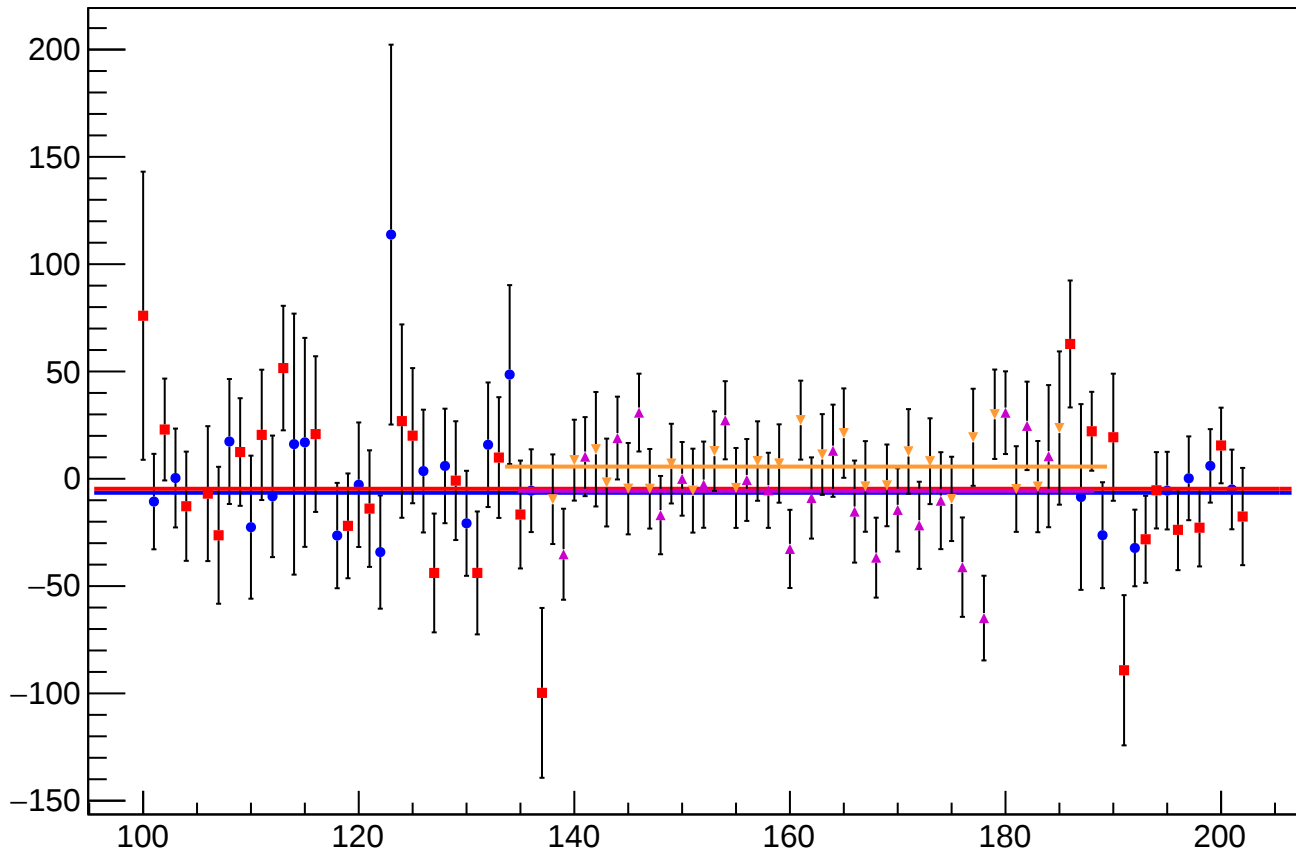
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF:1575744.0/22

+ sign 188.334 $\pm$ 0.026 χ^2 /NDF: 4032718.9/48

All: 182.172 $\pm$ 0.017 χ^2 /NDF: 8496577.6/100

- sign 176.801 $\pm$ 0.024 χ^2 /NDF: 4354935.5/51

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.514 ± 5.103 χ^2/NDF : 11.4/23

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -4.648 ± 4.728 χ^2/NDF : 39.5/28

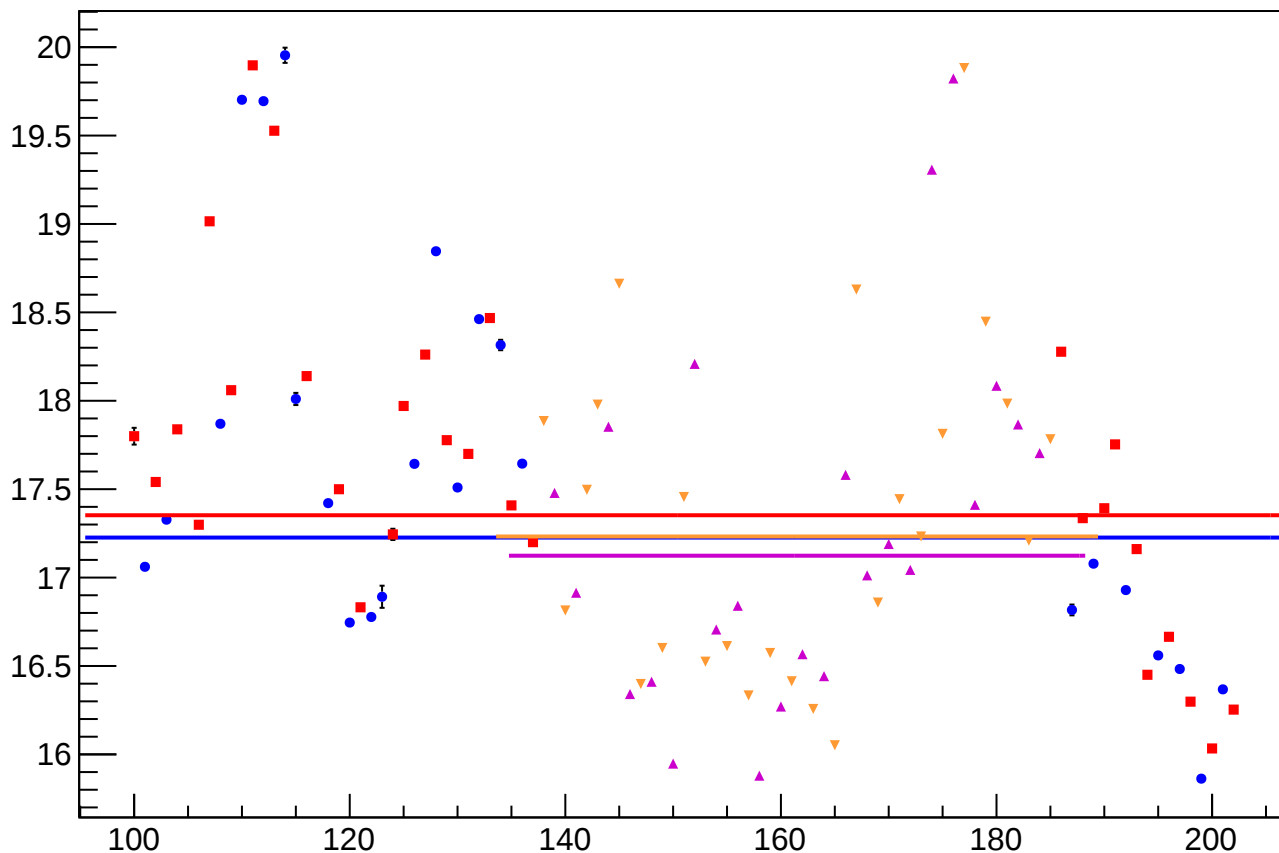
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 1.006 ± 3.160 χ^2/NDF : 22.7/48

All: -2.142 ± 2.215 χ^2/NDF : 100.6/100

- sign -5.186 ± 3.107 χ^2/NDF : 75.9/51

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.226 $\pm$ 0.004 χ^2 /NDF: 70566.1/23

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

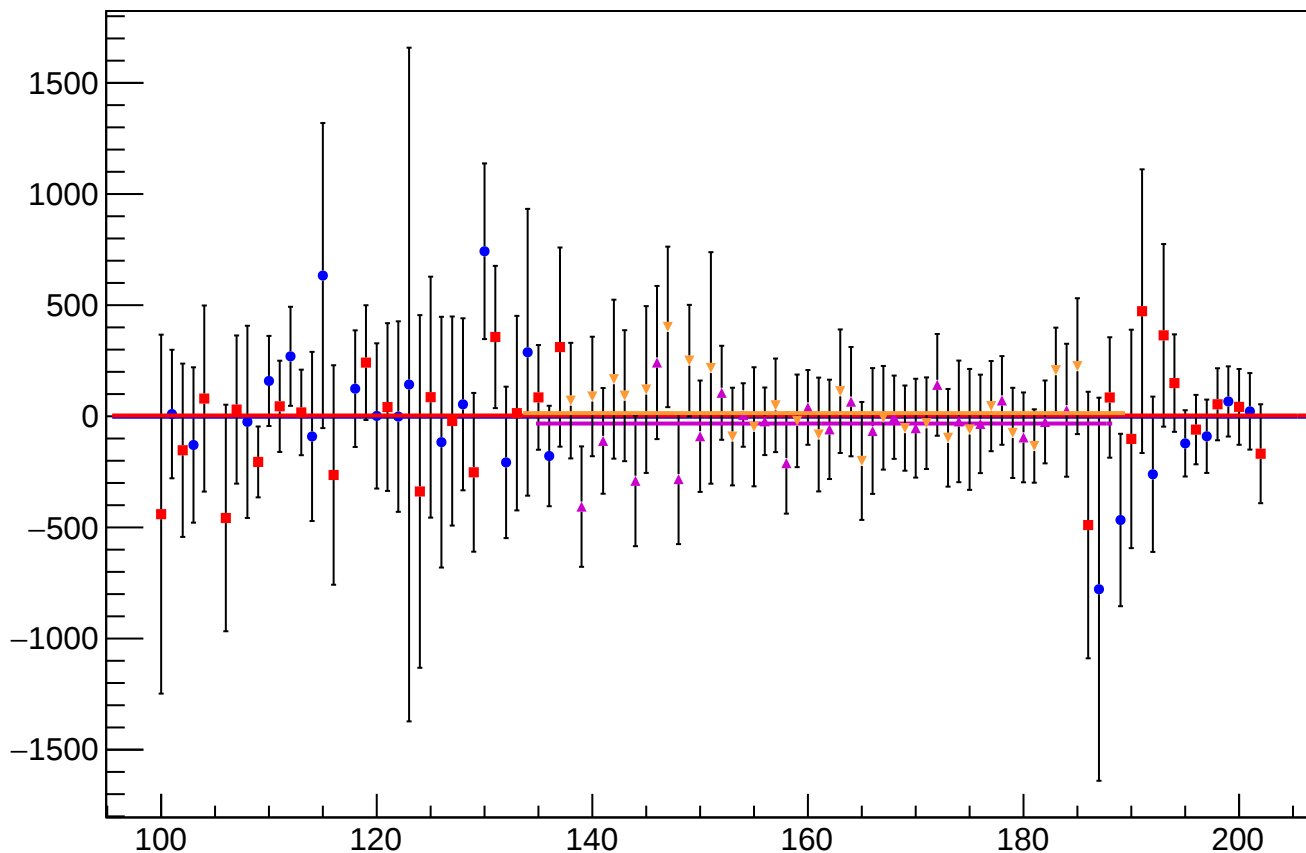
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.230 $\pm$ 0.002 χ^2 /NDF: 169268.8/48

All: 17.226 $\pm$ 0.002 χ^2 /NDF: 347533.9/100

- 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: -1.975 ± 55.274 χ^2/NDF : 12.1/23

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 3.571 ± 51.190 χ^2/NDF : 10.2/28

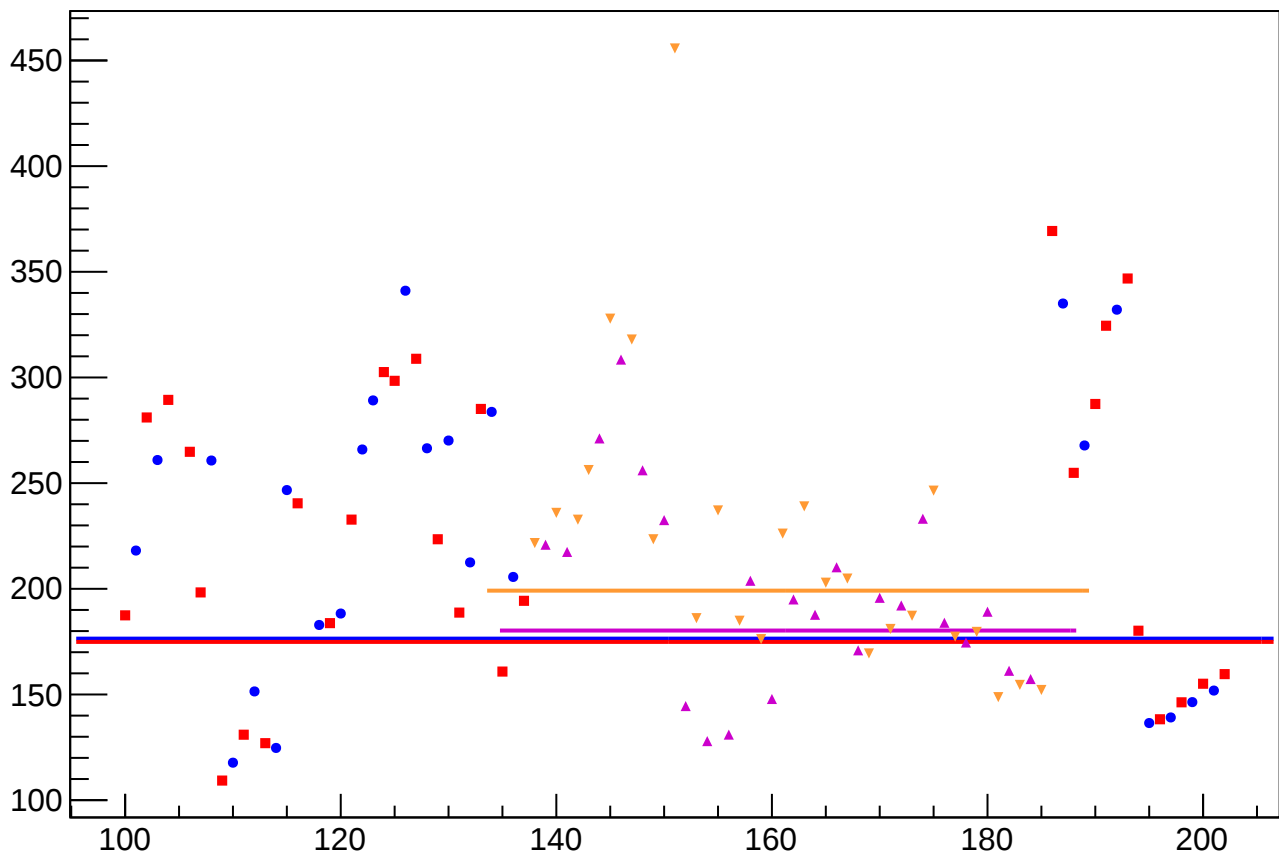
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign 7.317 ± 36.298 χ^2/NDF : 19.1/48

All: -5.520 ± 24.776 χ^2/NDF : 36.6/100

- 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: 176.426 $\pm$ 0.039 χ^2 /NDF: 2024049.7/23

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

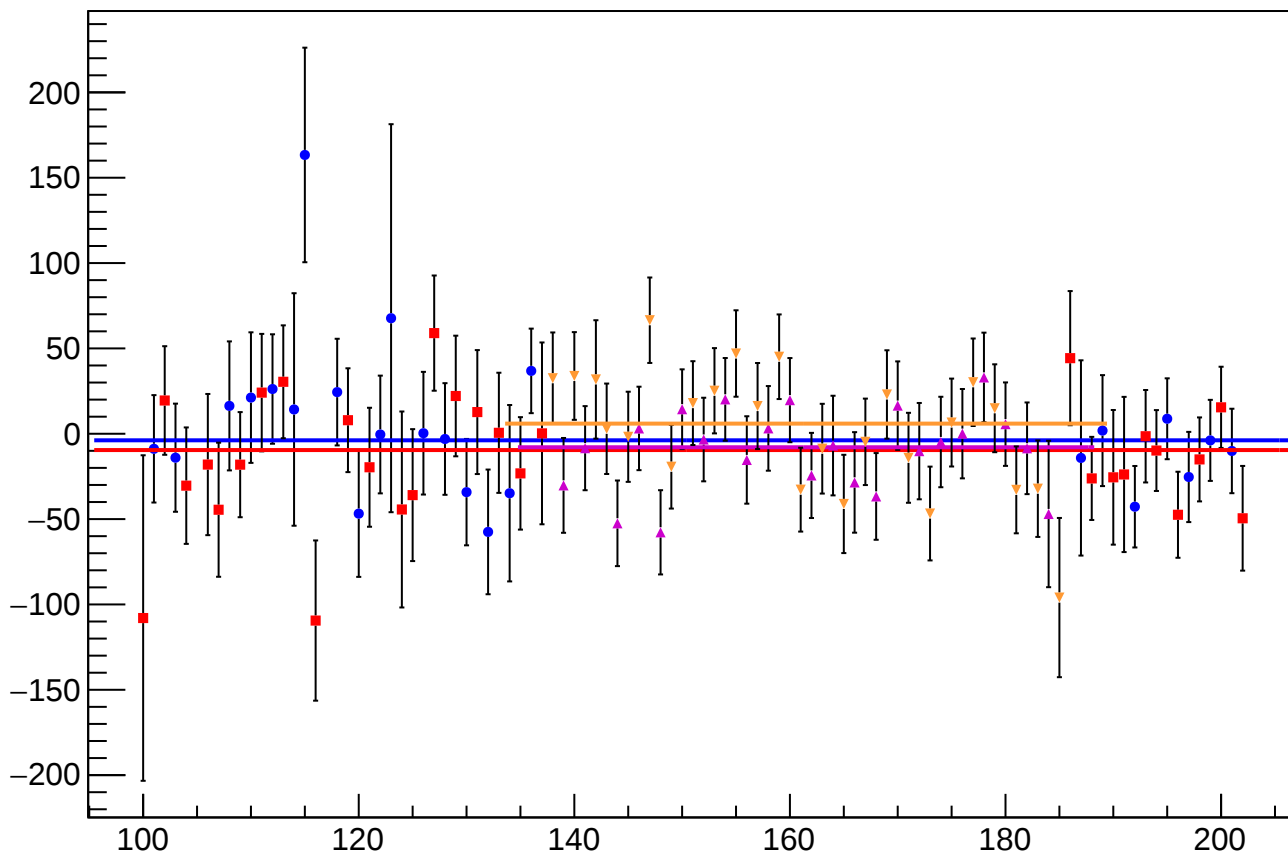
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

+ sign 189.342 $\pm$ 0.026 χ^2 /NDF: 3976368.1/48

All: 183.231 $\pm$ 0.018 χ^2 /NDF: 8341287.6/100

- 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: -3.839 ± 6.648 $\chi^2/\text{NDF}: 21.3/23$

Left Out: 5.937 ± 5.285 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -9.554 ± 6.141 $\chi^2/\text{NDF}: 24.8/28$

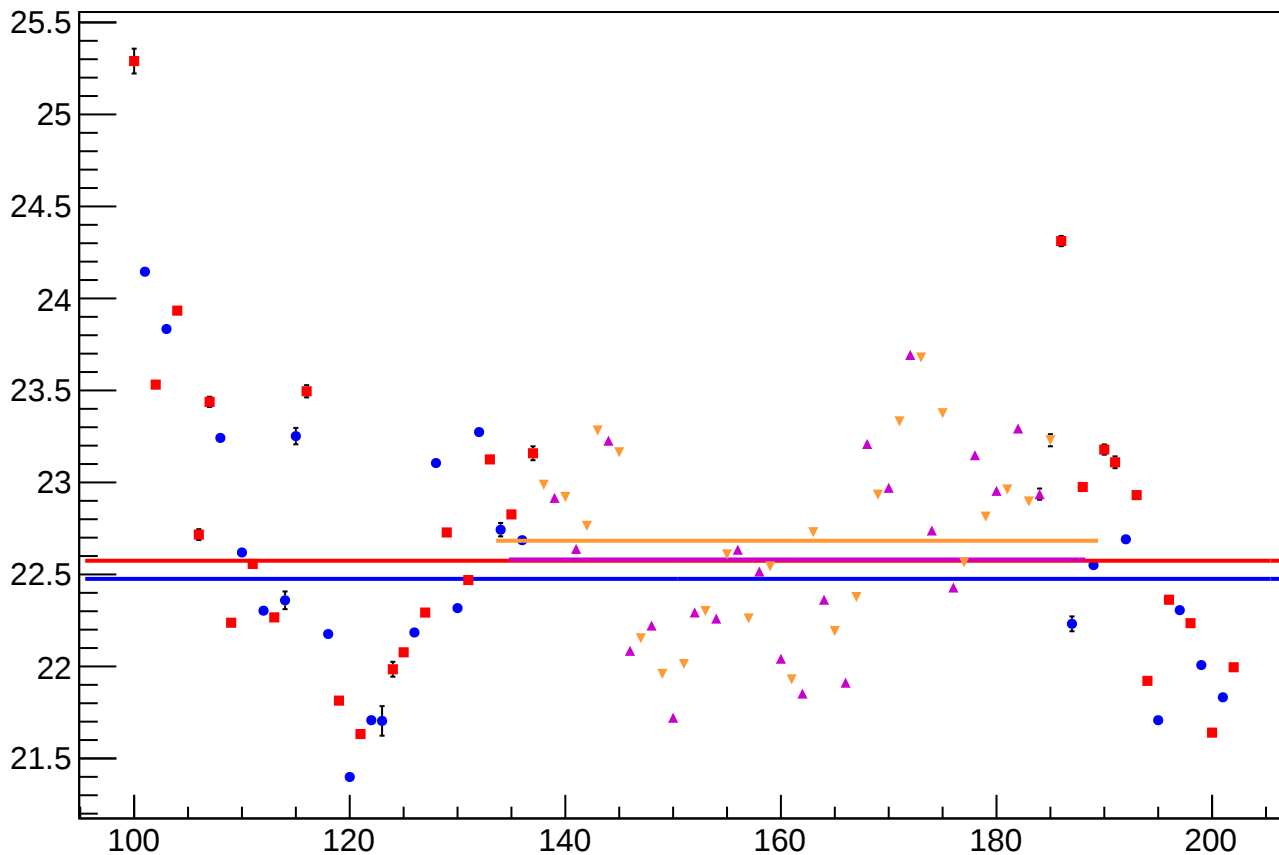
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 2.152 ± 4.137 $\chi^2/\text{NDF}: 58.8/48$

All: -3.337 ± 2.899 $\chi^2/\text{NDF}: 105.8/100$

- 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: 22.476 $\pm$ 0.005 χ^2 /NDF: 20081.3/23

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

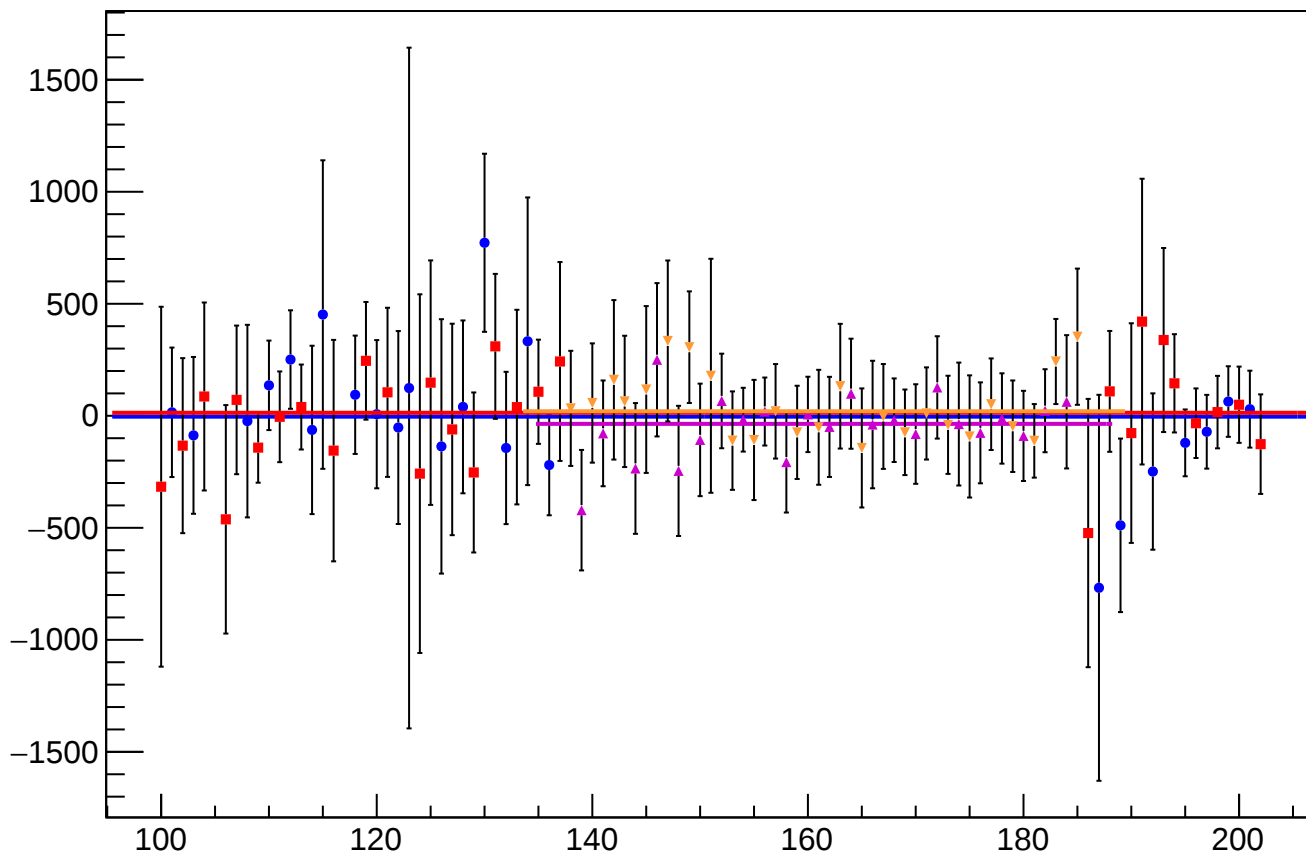
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.603 $\pm$ 0.003 χ^2 /NDF: 37592.3/48

All: 22.590 $\pm$ 0.002 χ^2 /NDF: 79993.9/100

- 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: -3.805 ± 55.110 $\chi^2/\text{NDF}: 11.6/23$

Left Out: 20.306 ± 48.049 $\chi^2/\text{NDF}: 7.7/24$

Right Out: 13.574 ± 50.940 $\chi^2/\text{NDF}: 8.1/28$

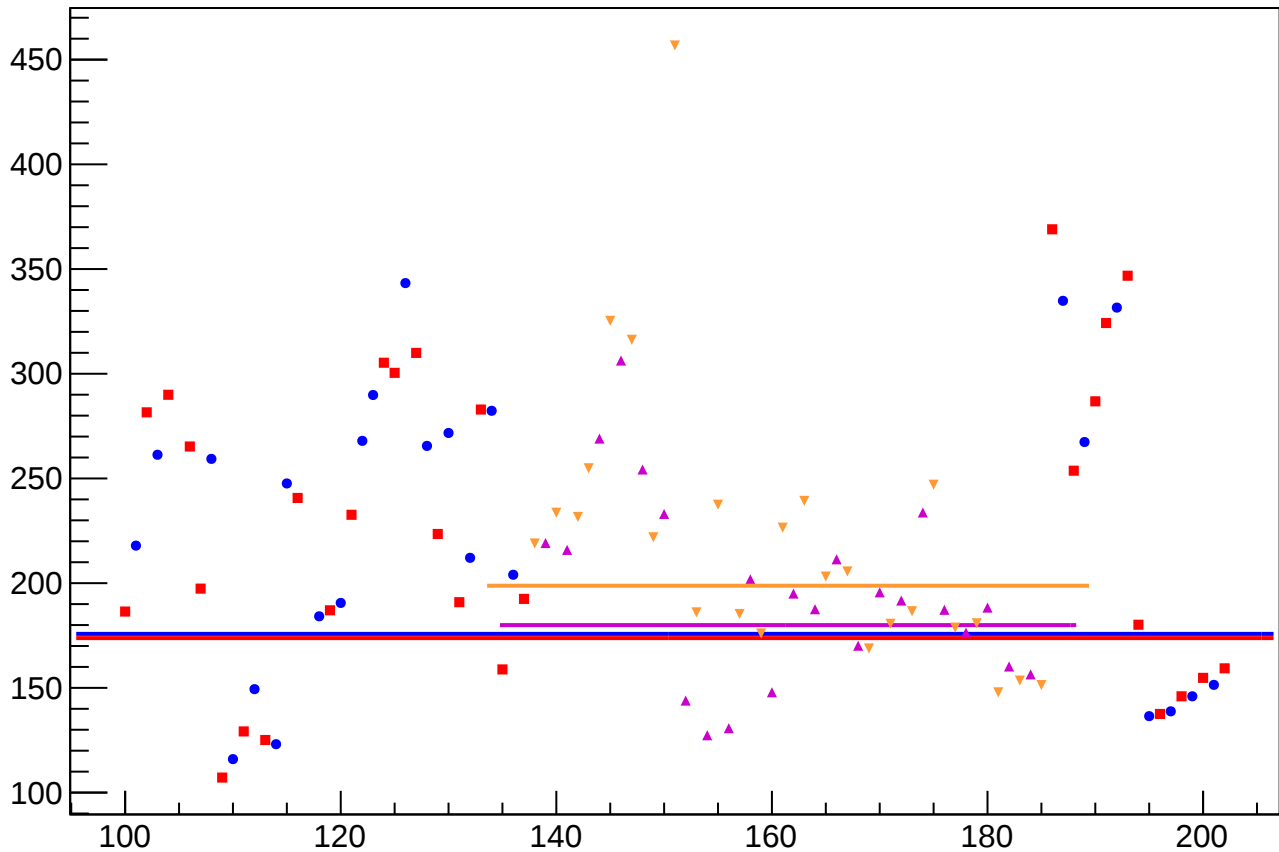
Left In: -35.996 ± 45.180 $\chi^2/\text{NDF}: 6.1/22$

+ sign 9.893 ± 36.216 $\chi^2/\text{NDF}: 19.4/48$

All: -2.968 ± 24.711 $\chi^2/\text{NDF}: 34.4/100$

- sign -14.171 ± 33.801 $\chi^2/\text{NDF}: 14.7/51$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.786 $\pm$ 0.039 χ^2 /NDF: 2054752.8/23

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

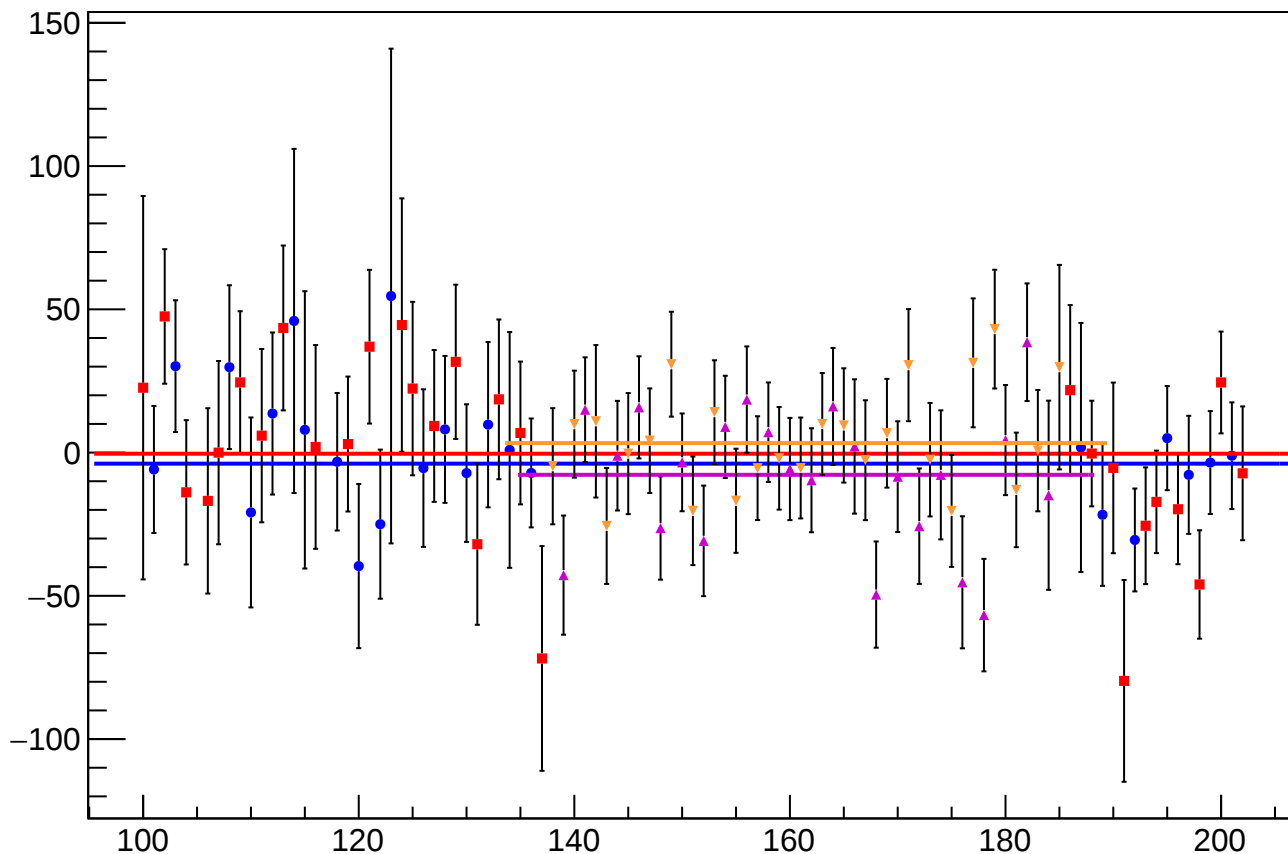
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 188.852 $\pm$ 0.026 χ^2 /NDF: 4011122.8/48

All: 182.644 $\pm$ 0.017 χ^2 /NDF: 8450324.6/100

- 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: -3.868 ± 5.108 χ^2/NDF : 11.2/23

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: -0.399 ± 4.729 χ^2/NDF : 35.4/28

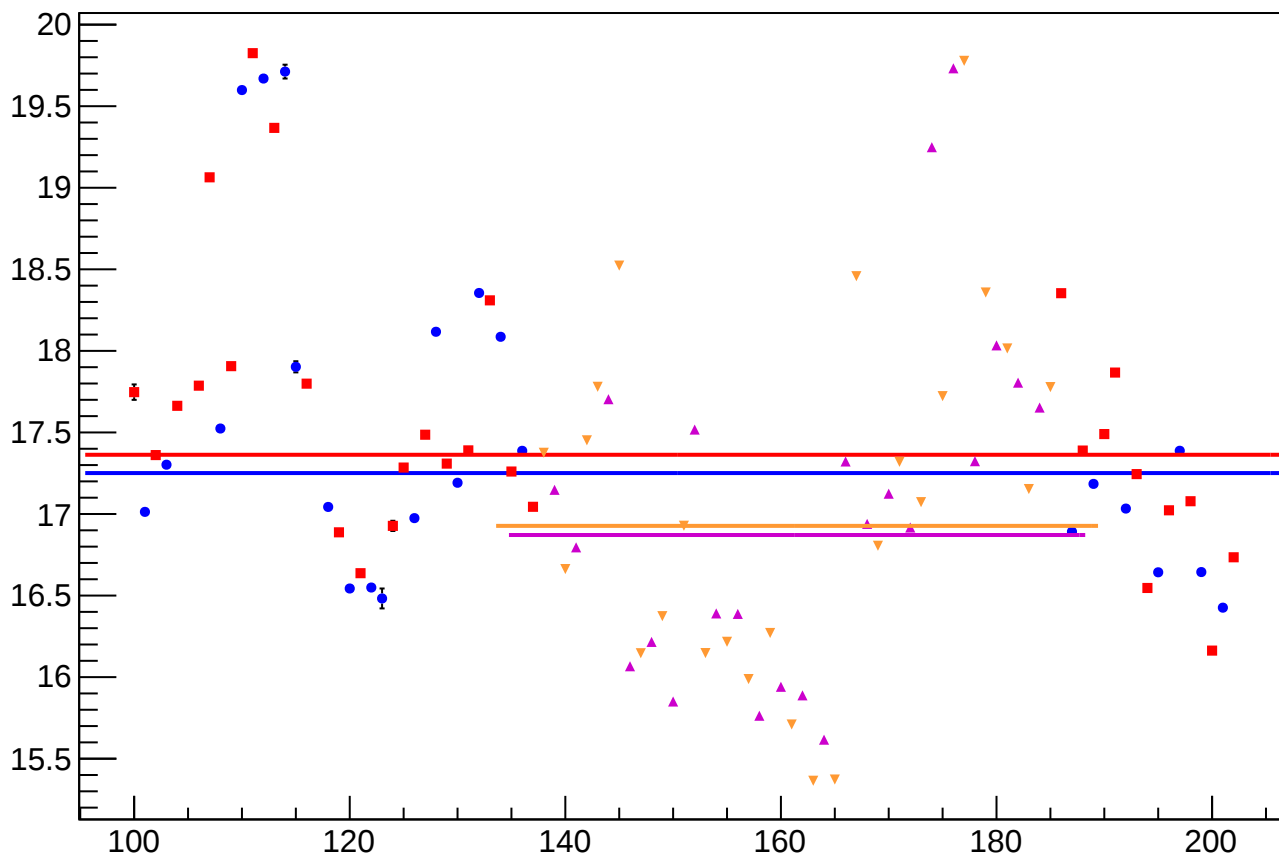
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 0.619 ± 3.126 χ^2/NDF : 31.1/48

All: -2.046 ± 2.194 χ^2/NDF : 103.6/100

- 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: 17.251 $\pm$ 0.004 χ^2 /NDF: 47118.1/23

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

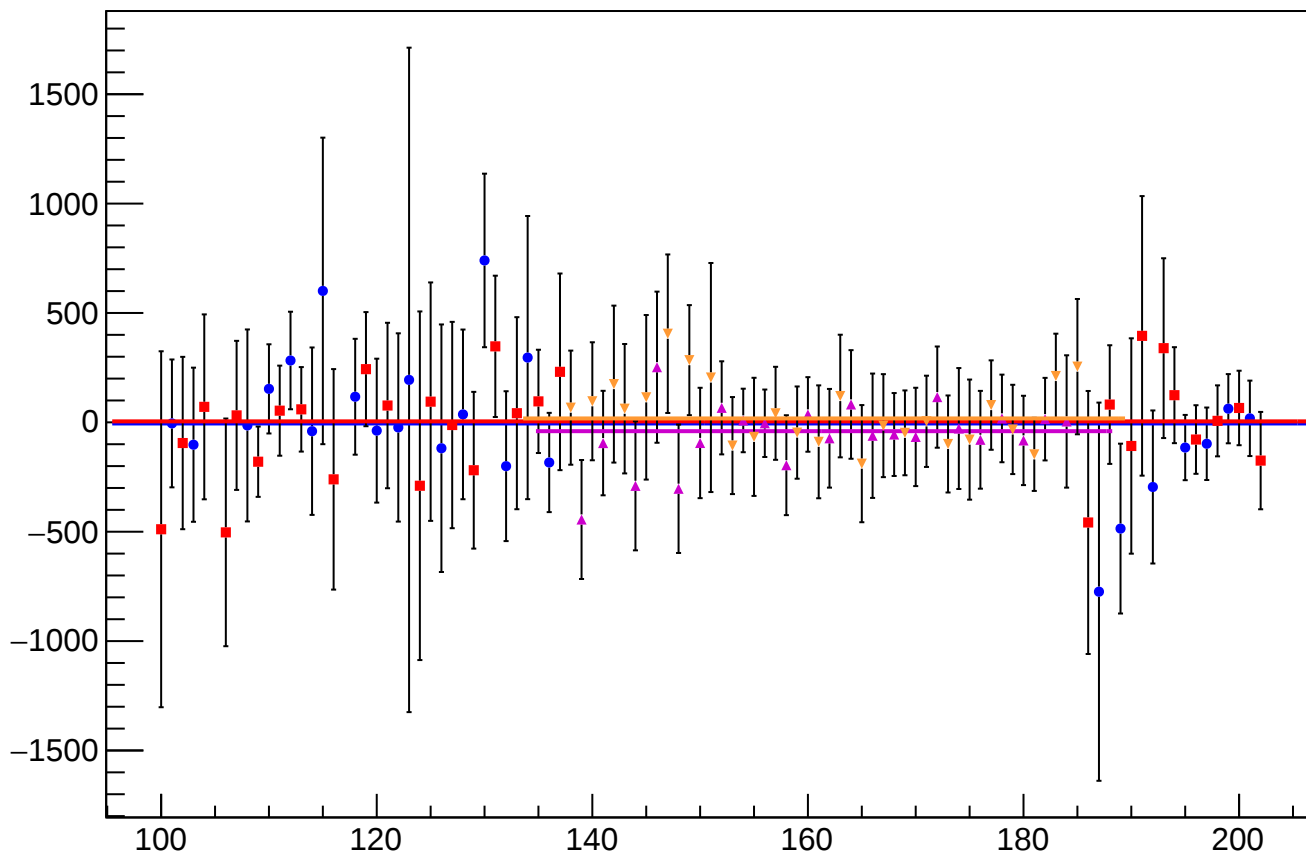
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.049 $\pm$ 0.002 χ^2 /NDF: 190674.6/48

All: 17.065 $\pm$ 0.002 χ^2 /NDF: 375366.2/100

- 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: -5.127 ± 55.476 $\chi^2/\text{NDF}: 12.2/23$

Left Out: 17.828 ± 48.547 $\chi^2/\text{NDF}: 7.5/24$

Right Out: 4.480 ± 51.401 $\chi^2/\text{NDF}: 9.2/28$

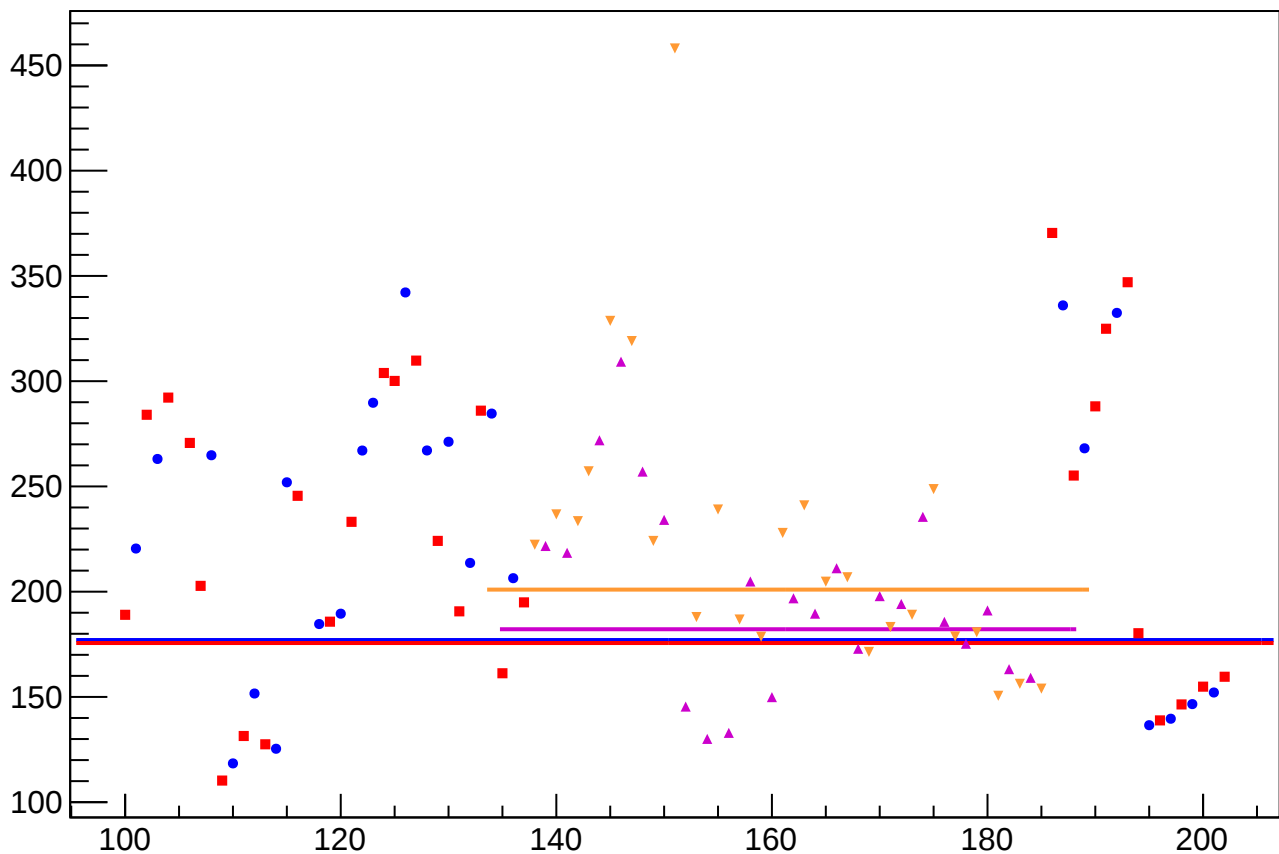
Left In: -40.355 ± 45.689 $\chi^2/\text{NDF}: 6.6/22$

+ sign 7.873 ± 36.534 $\chi^2/\text{NDF}: 19.7/48$

All: -7.305 ± 24.947 $\chi^2/\text{NDF}: 36.3/100$

- sign -20.566 ± 34.149 $\chi^2/\text{NDF}: 16.3/51$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 177.032 $\pm$ 0.039 χ^2 /NDF: 2036954.4/23

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF:1727291.4/24

Right Out: 175.608 $\pm$ 0.036 χ^2 /NDF: 2673858.3/28

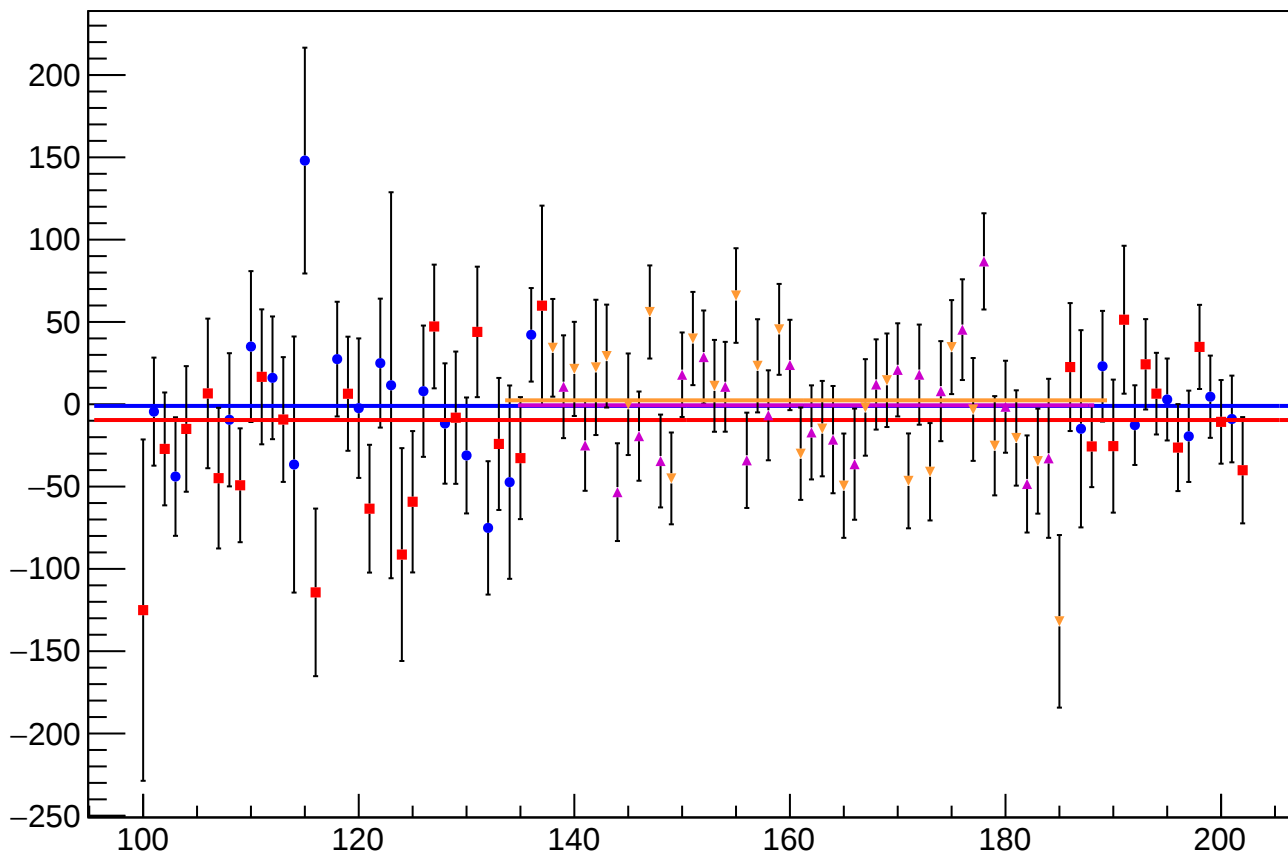
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF:1535922.8/22

+ sign 190.597 $\pm$ 0.026 χ^2 /NDF: 3975410.3/48

All: 184.550 $\pm$ 0.018 χ^2 /NDF: 8305985.1/100

- sign 179.267 $\pm$ 0.024 χ^2 /NDF: 4227922.6/51

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.003 ± 7.228 $\chi^2/\text{NDF}: 16.9/23$

Left Out: 2.390 ± 5.980 $\chi^2/\text{NDF}: 39.1/24$

Right Out: -9.573 ± 6.613 $\chi^2/\text{NDF}: 28.6/28$

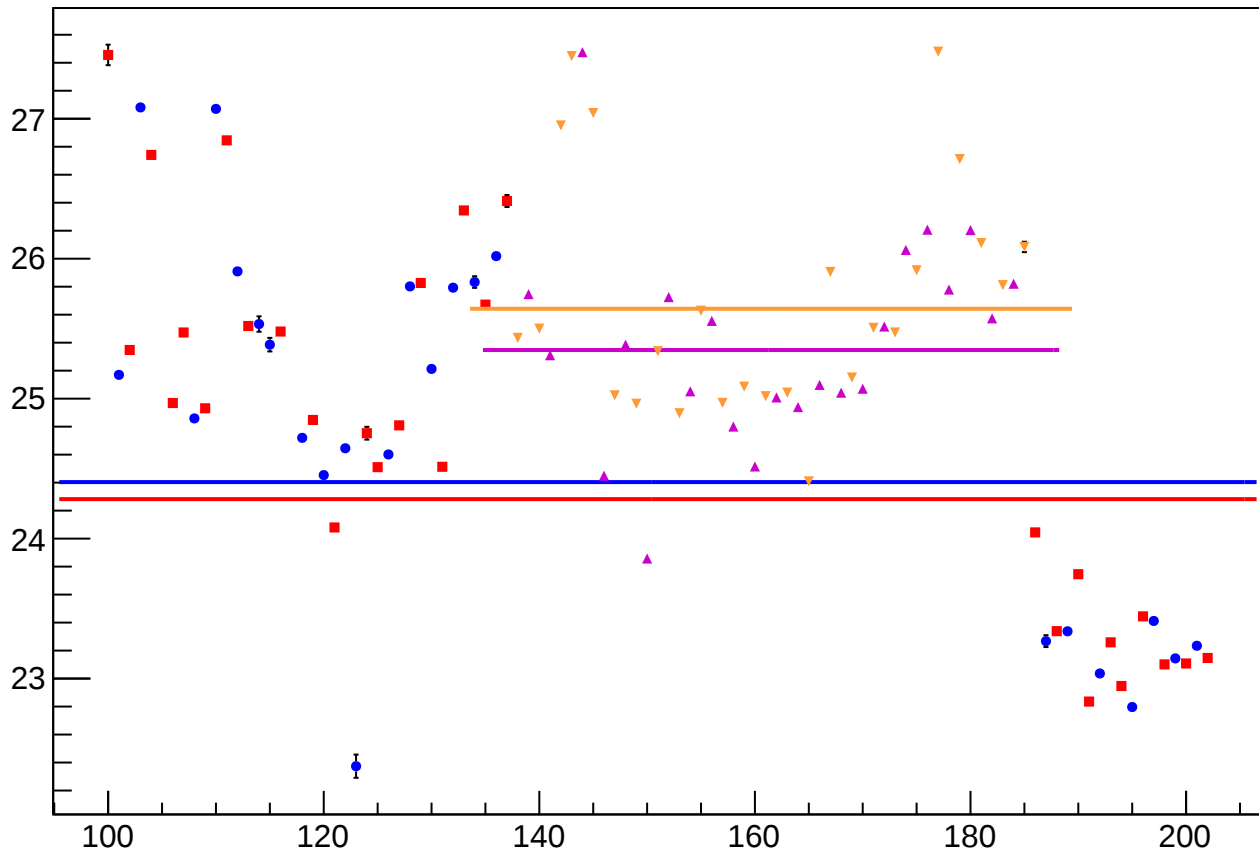
Left In: -0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

+ sign 1.011 ± 4.608 $\chi^2/\text{NDF}: 56.2/48$

All: -1.946 ± 3.212 $\chi^2/\text{NDF}: 113.9/100$

- sign -4.741 ± 4.480 $\chi^2/\text{NDF}: 57.0/51$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.404 $\pm$ 0.005 χ^2 /NDF: 67168.9/23

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF: 34802.2/24

Right Out: 24.282 $\pm$ 0.005 χ^2 /NDF: 67626.3/28

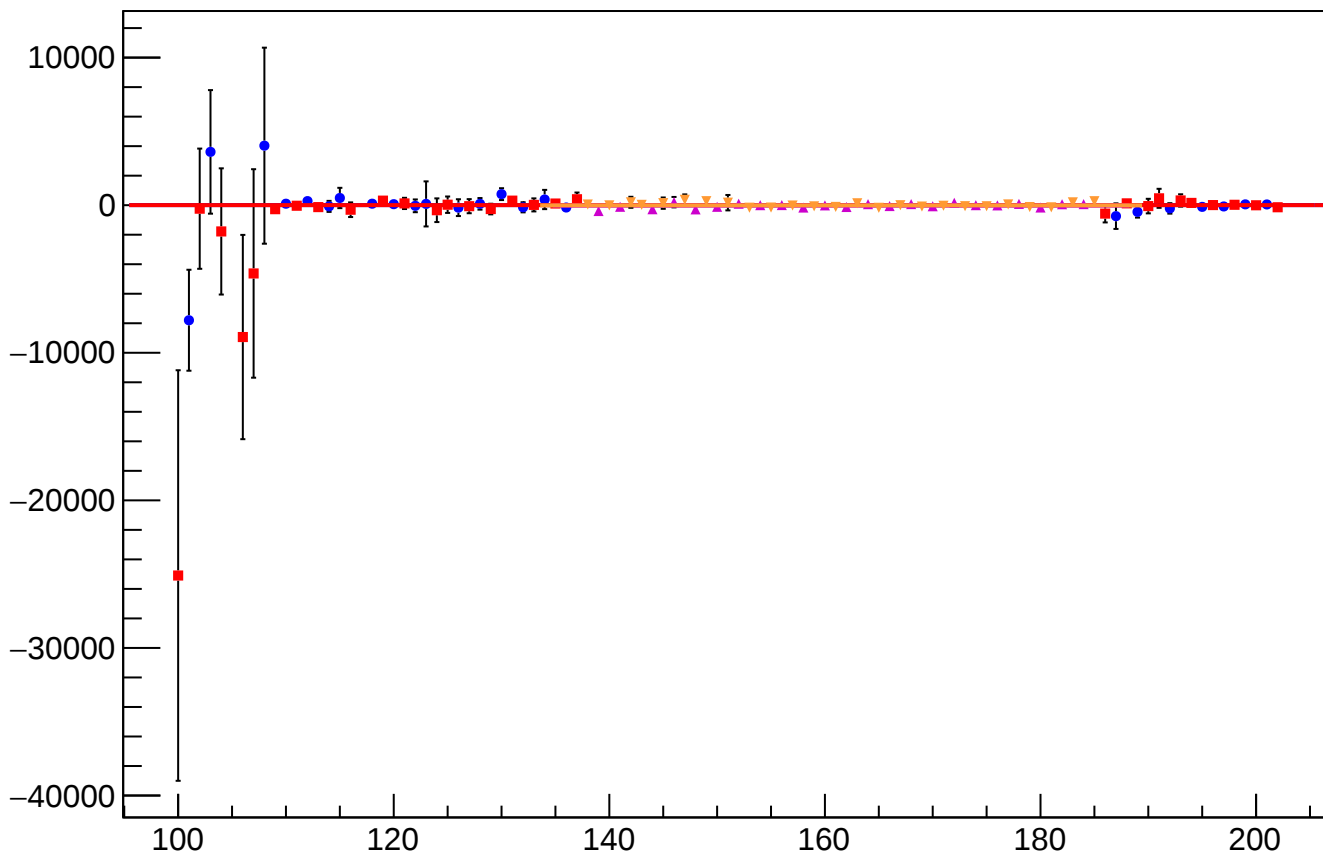
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF: 29389.5/22

+ sign 25.139 $\pm$ 0.003 χ^2 /NDF: 136828.9/48

All: 24.995 $\pm$ 0.002 χ^2 /NDF: 265738.4/100

- sign 24.858 $\pm$ 0.003 χ^2 /NDF: 125095.5/51

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 6.507 ± 58.679 χ^2/NDF : 16.9/23

Left Out: -11.432 ± 48.263 χ^2/NDF : 8.0/24

Right Out: 3.896 ± 55.344 χ^2/NDF : 15.1/28

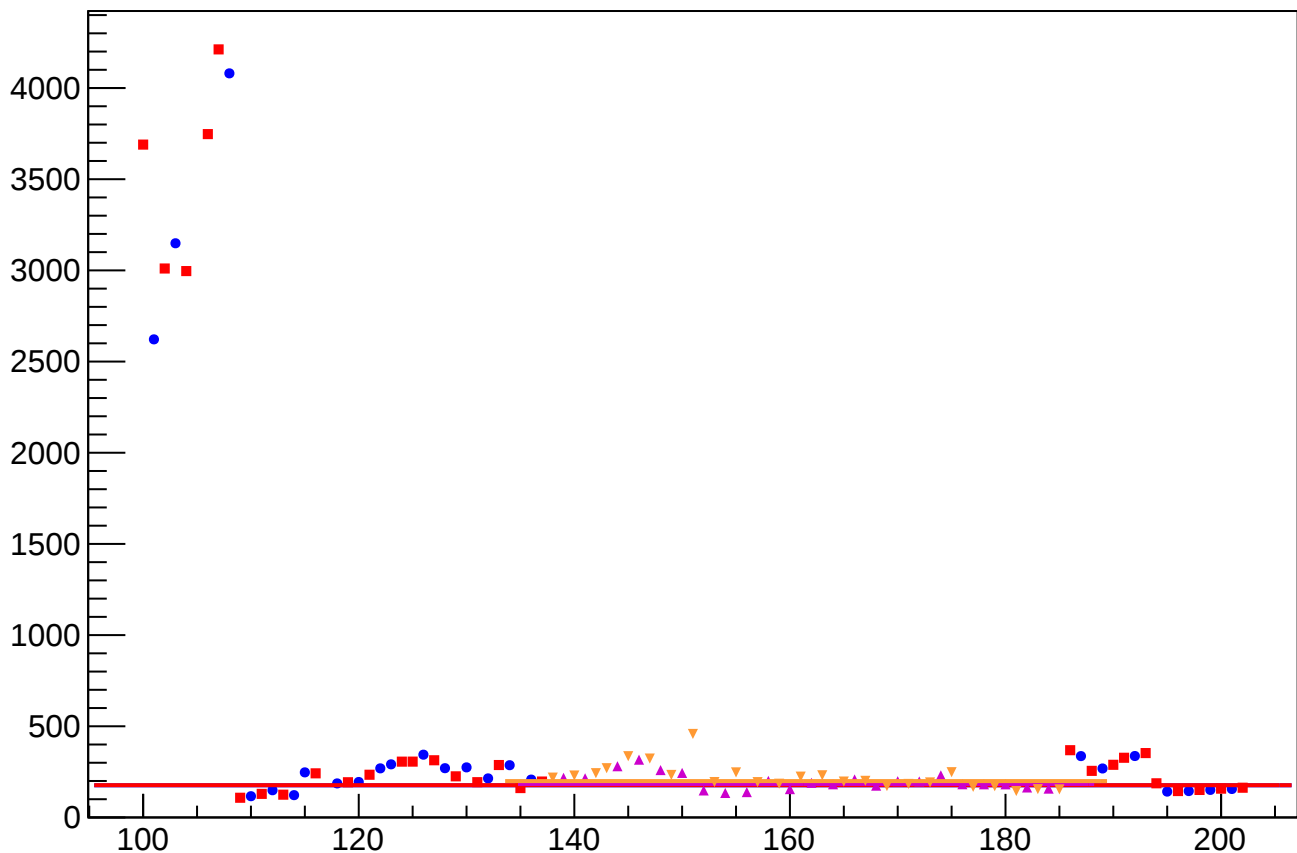
Left In: -27.098 ± 45.999 χ^2/NDF : 7.2/22

+ sign -4.193 ± 37.274 χ^2/NDF : 25.0/48

All: -9.582 ± 25.659 χ^2/NDF : 47.6/100

- sign -14.435 ± 35.375 χ^2/NDF : 22.5/51

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 176.156+/-0.041 χ^2/NDF : 4464951.4/23

Left Out: 199.438+/-0.034 χ^2/NDF : 1877848.7/24

Right Out: 176.949+/-0.039 χ^2/NDF : 5307354.4/28

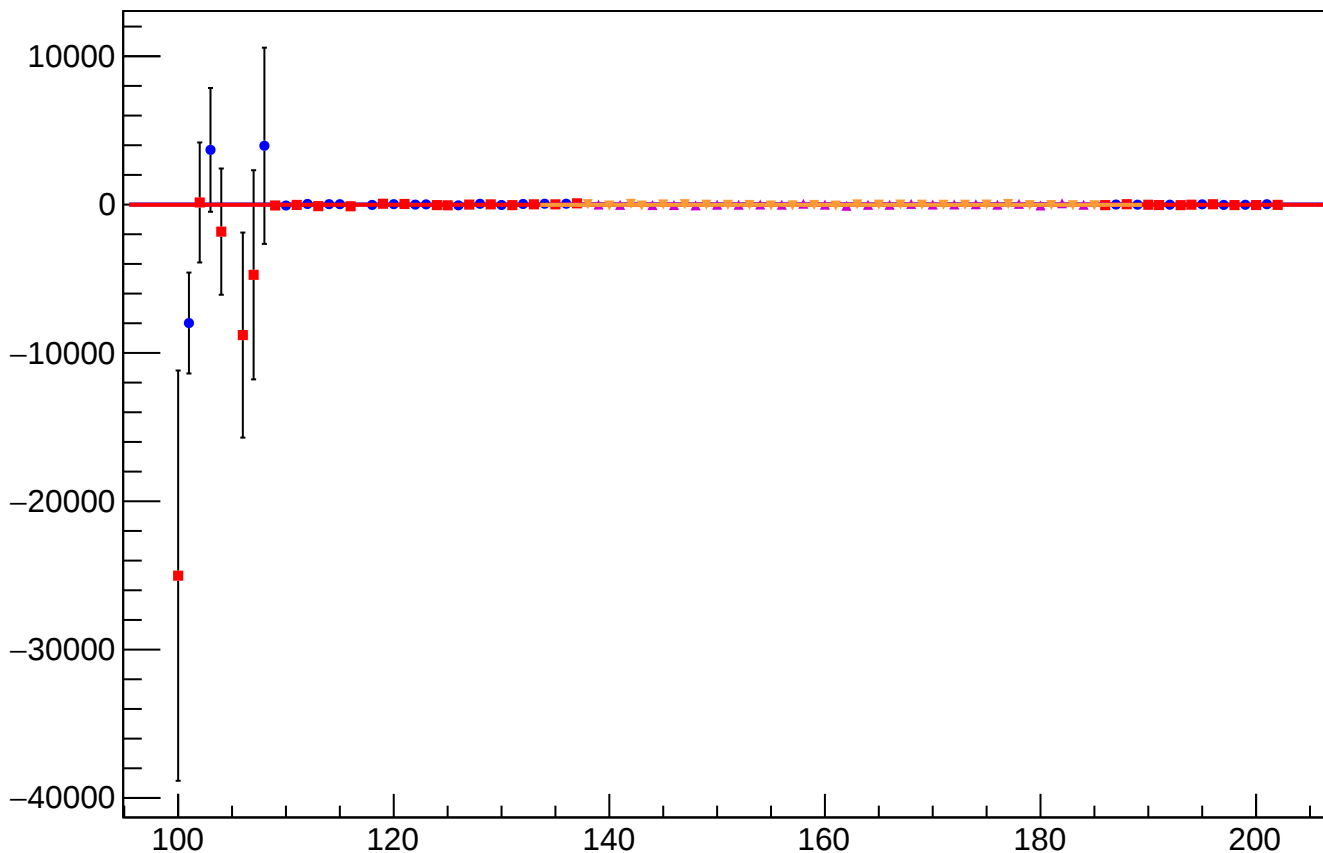
Left In: 183.805+/-0.033 χ^2/NDF : 1412869.6/22

+ sign 190.043+/-0.026 χ^2/NDF : 6530610.1/48

All: 185.287+/-0.018 χ^2/NDF : 13330872.9/10

- sign 181.004+/-0.025 χ^2/NDF : 6738378.9/51

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 5.413 ± 8.771 χ^2/NDF : 20.3/23

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -13.093 ± 8.167 χ^2/NDF : 28.7/28

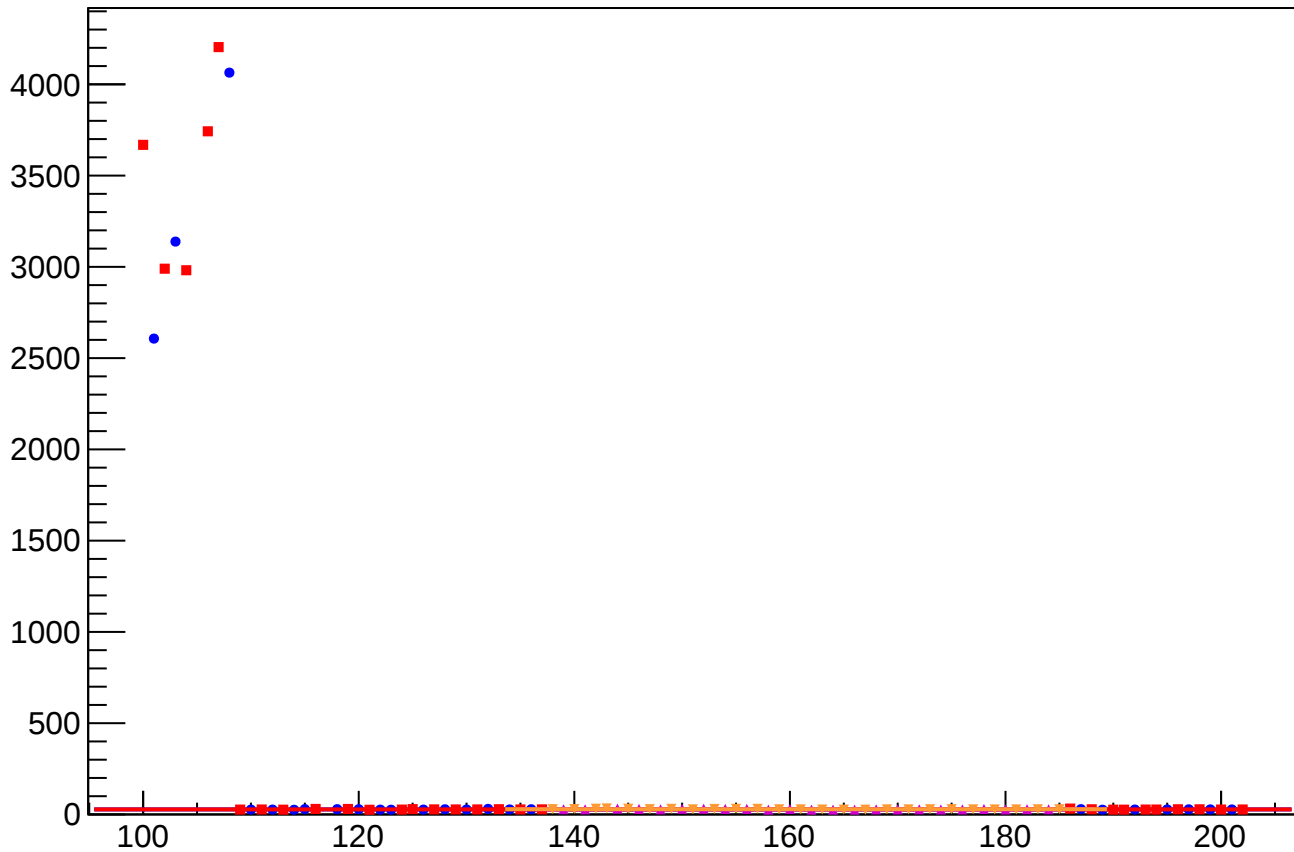
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -9.441 ± 5.326 χ^2/NDF : 46.6/48

All: -7.804 ± 3.748 χ^2/NDF : 108.7/100

- sign -6.199 ± 5.274 χ^2/NDF : 61.9/51

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.612 $\pm$ 0.006 χ^2 /NDF: 3034416.2/23

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

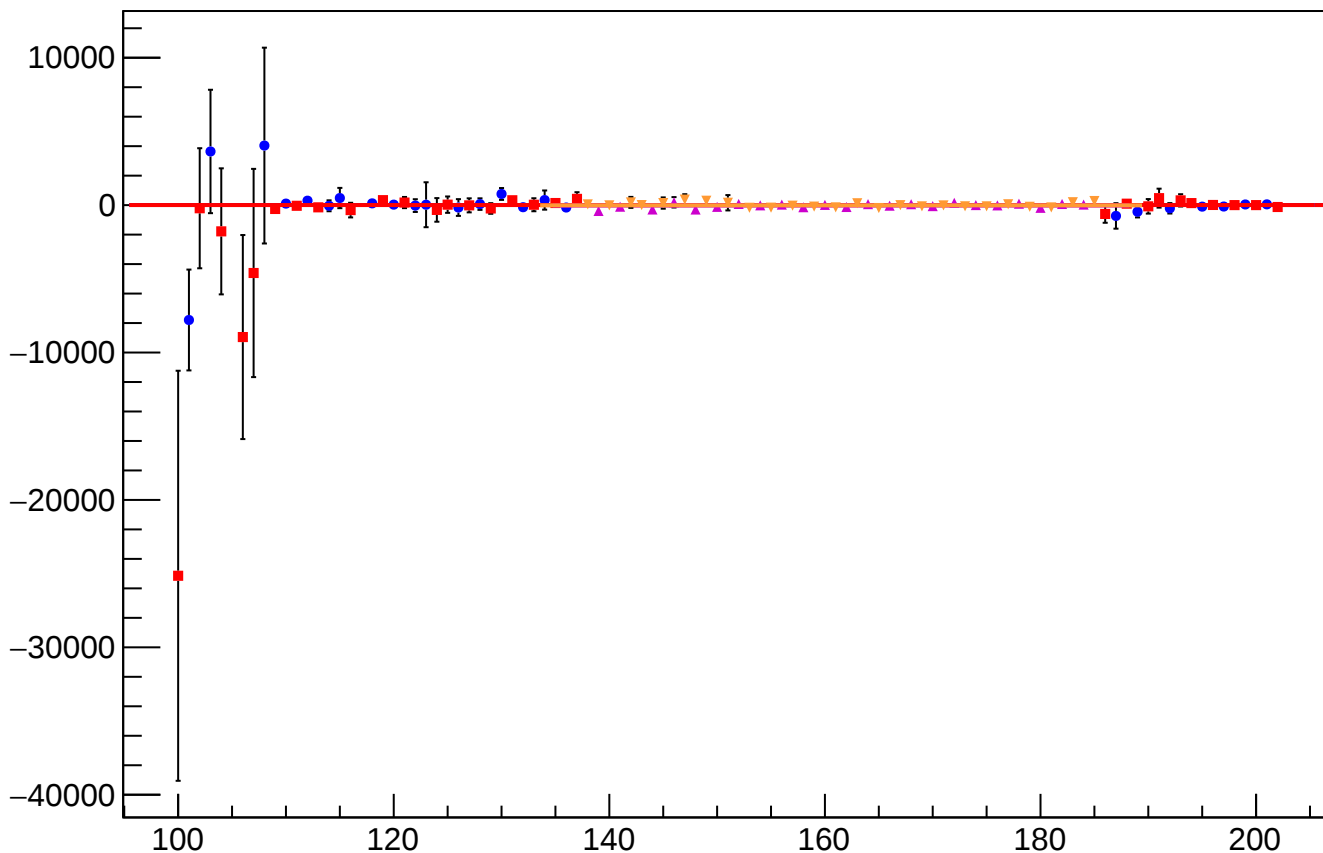
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.295 $\pm$ 0.004 χ^2 /NDF: 3164086.0/48

All: 28.271 $\pm$ 0.003 χ^2 /NDF: 6808941.6/100

- 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: 8.323+/-58.494 χ^2/NDF : 17.1/23

Left Out: -13.878+/-48.155 χ^2/NDF : 8.8/24

Right Out: 5.179+/-55.187 χ^2/NDF : 15.8/28

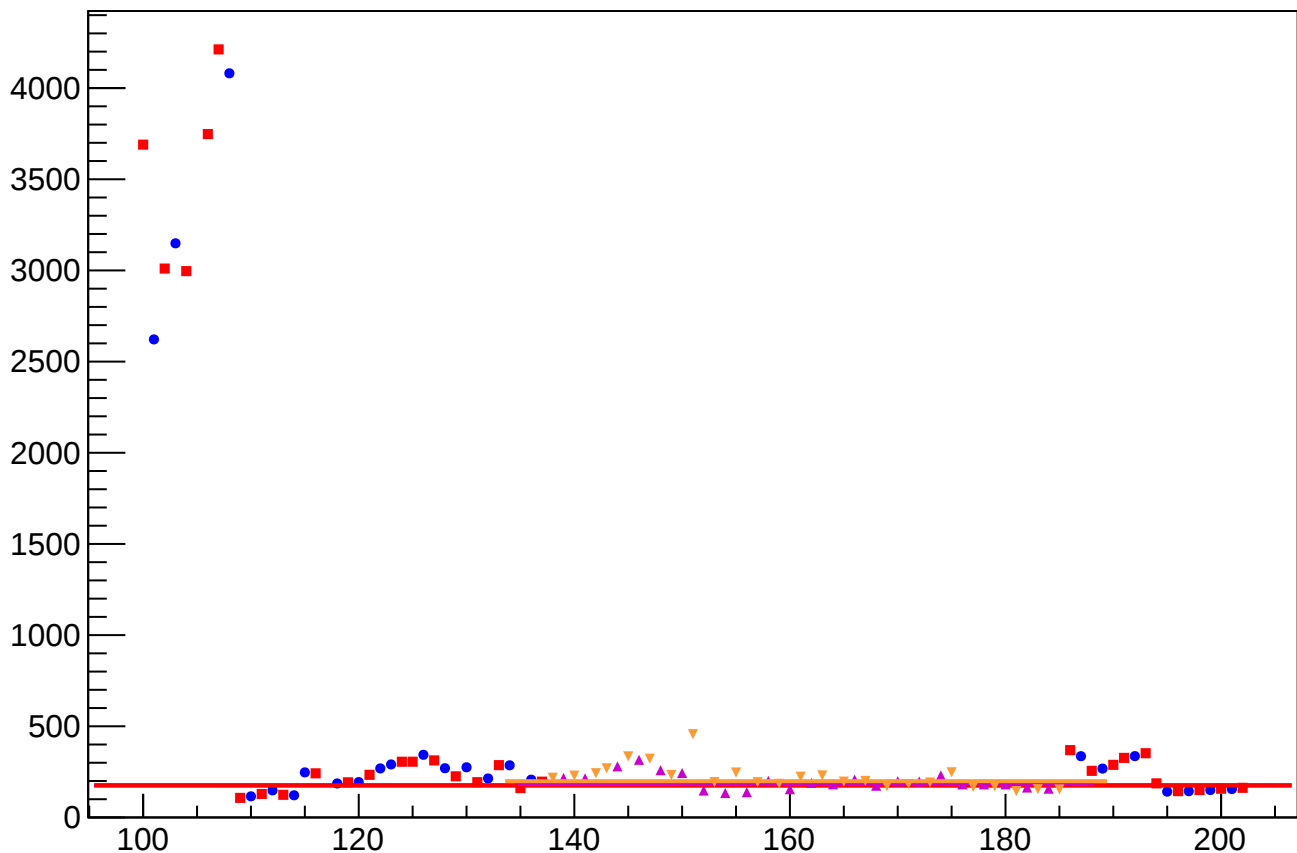
Left In: -27.286+/-45.907 χ^2/NDF : 7.5/22

+ sign -4.909+/-37.178 χ^2/NDF : 26.1/48

All: -9.696+/-25.596 χ^2/NDF : 49.5/100

- sign -14.009+/-35.293 χ^2/NDF : 23.4/51

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 175.538 $\pm$ 0.041 χ^2 /NDF: 4478446.4/23

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

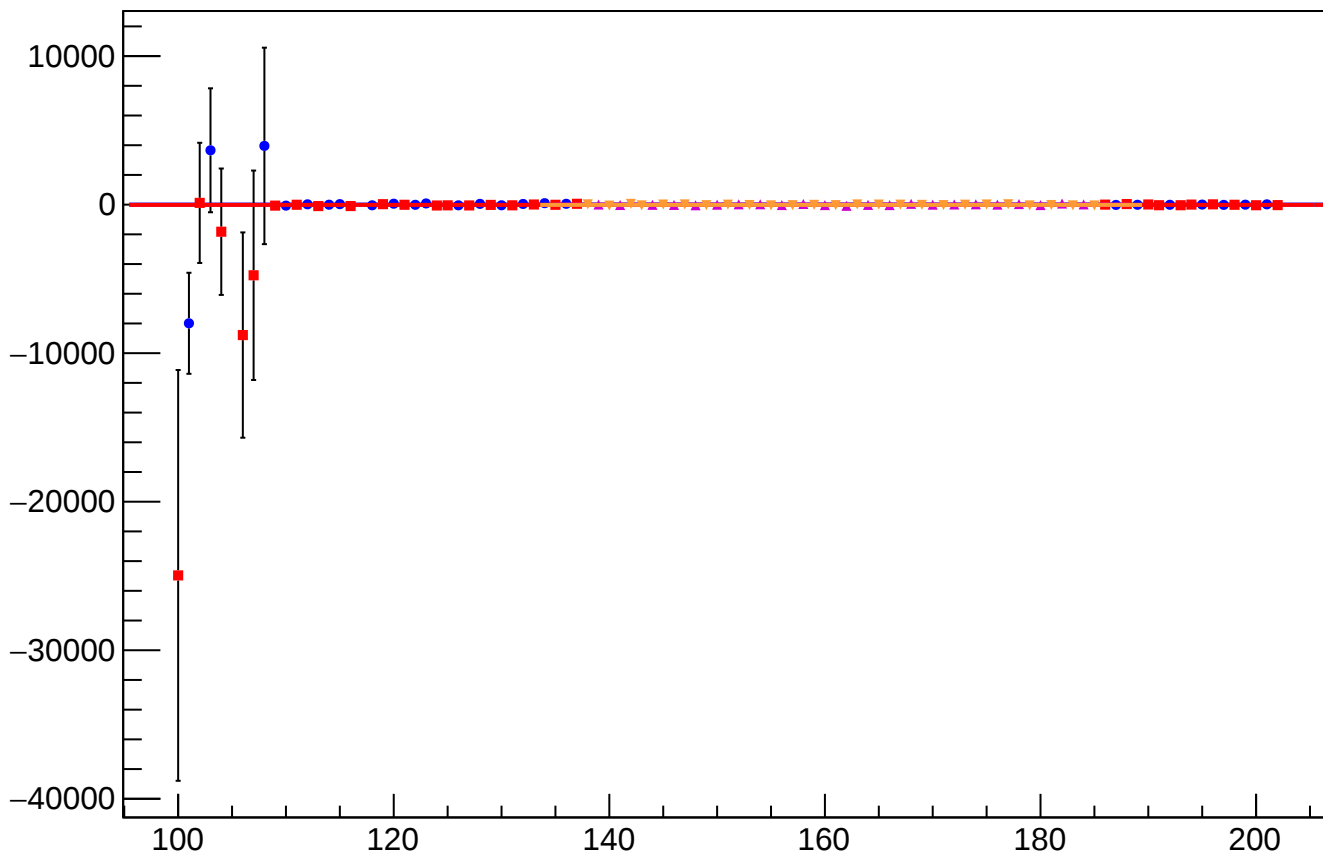
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 189.520 $\pm$ 0.026 χ^2 /NDF: 6547808.0/48

All: 184.803 $\pm$ 0.018 χ^2 /NDF: 13365605.8/10

- 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: 3.546 ± 8.776 χ^2/NDF : 23.9/23

Left Out: -15.829 ± 6.733 χ^2/NDF : 16.5/24

Right Out: -16.484 ± 8.172 χ^2/NDF : 24.5/28

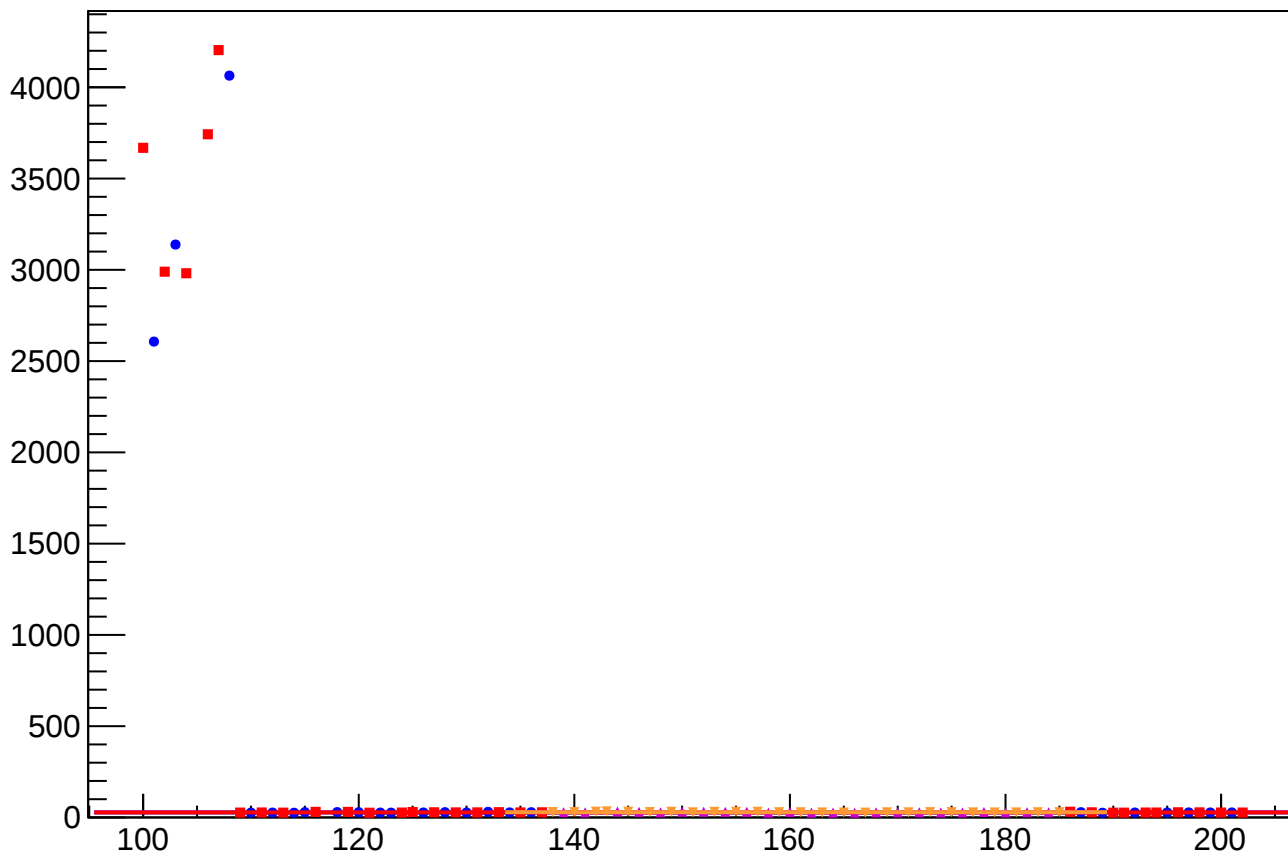
Left In: 0.498 ± 6.937 χ^2/NDF : 26.1/22

+ sign -8.650 ± 5.342 χ^2/NDF : 43.4/48

All: -7.622 ± 3.758 χ^2/NDF : 96.6/100

- sign -6.614 ± 5.288 χ^2/NDF : 53.1/51

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.624 $\pm$ 0.006 χ^2 /NDF: 3036573.1/23

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

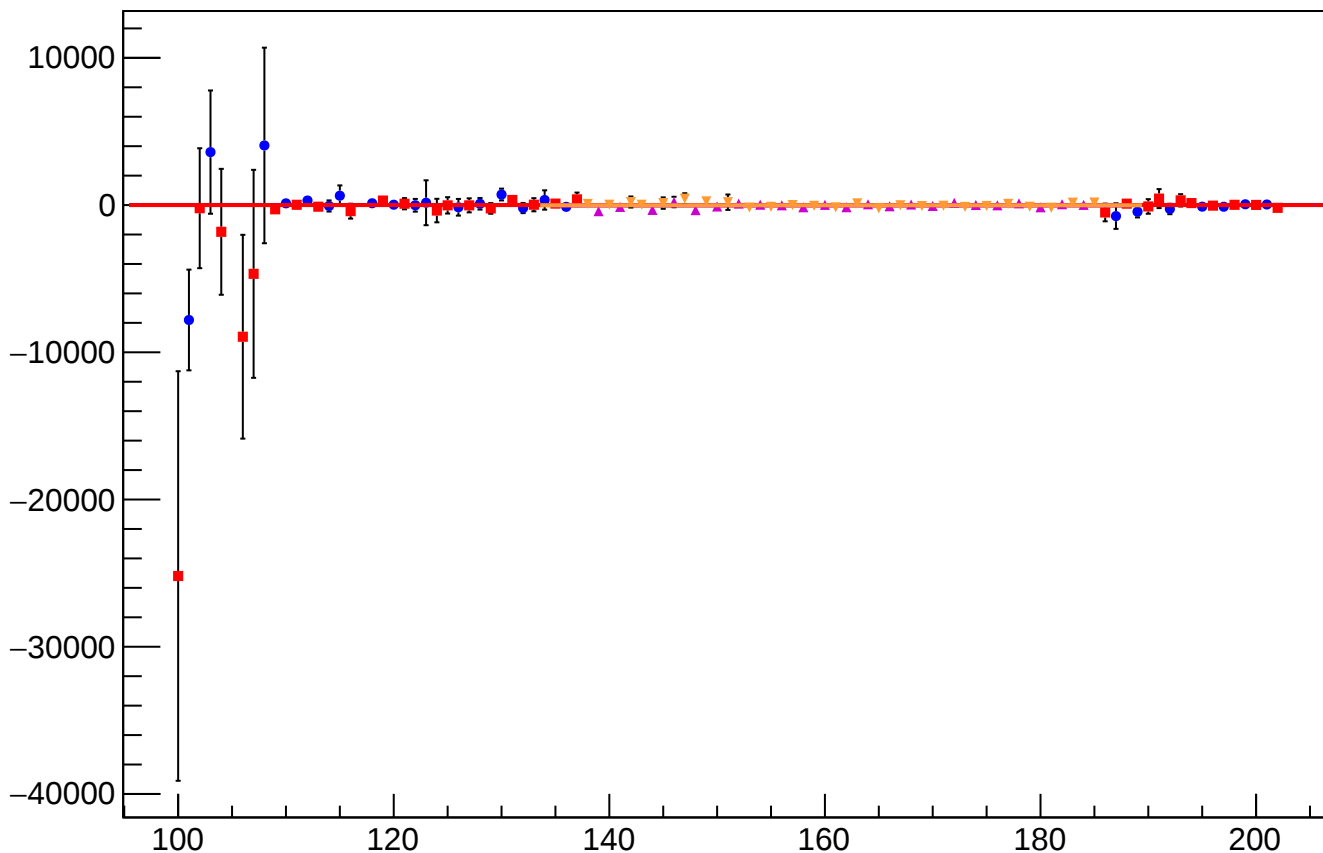
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.373 $\pm$ 0.004 χ^2 /NDF: 3181873.6/48

All: 28.348 $\pm$ 0.003 χ^2 /NDF: 6833251.6/100

- 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: 6.418+/-58.948 χ^2/NDF : 17.5/23

Left Out: -13.966+/-48.735 χ^2/NDF : 8.1/24

Right Out: -0.616+/-55.648 χ^2/NDF : 15.3/28

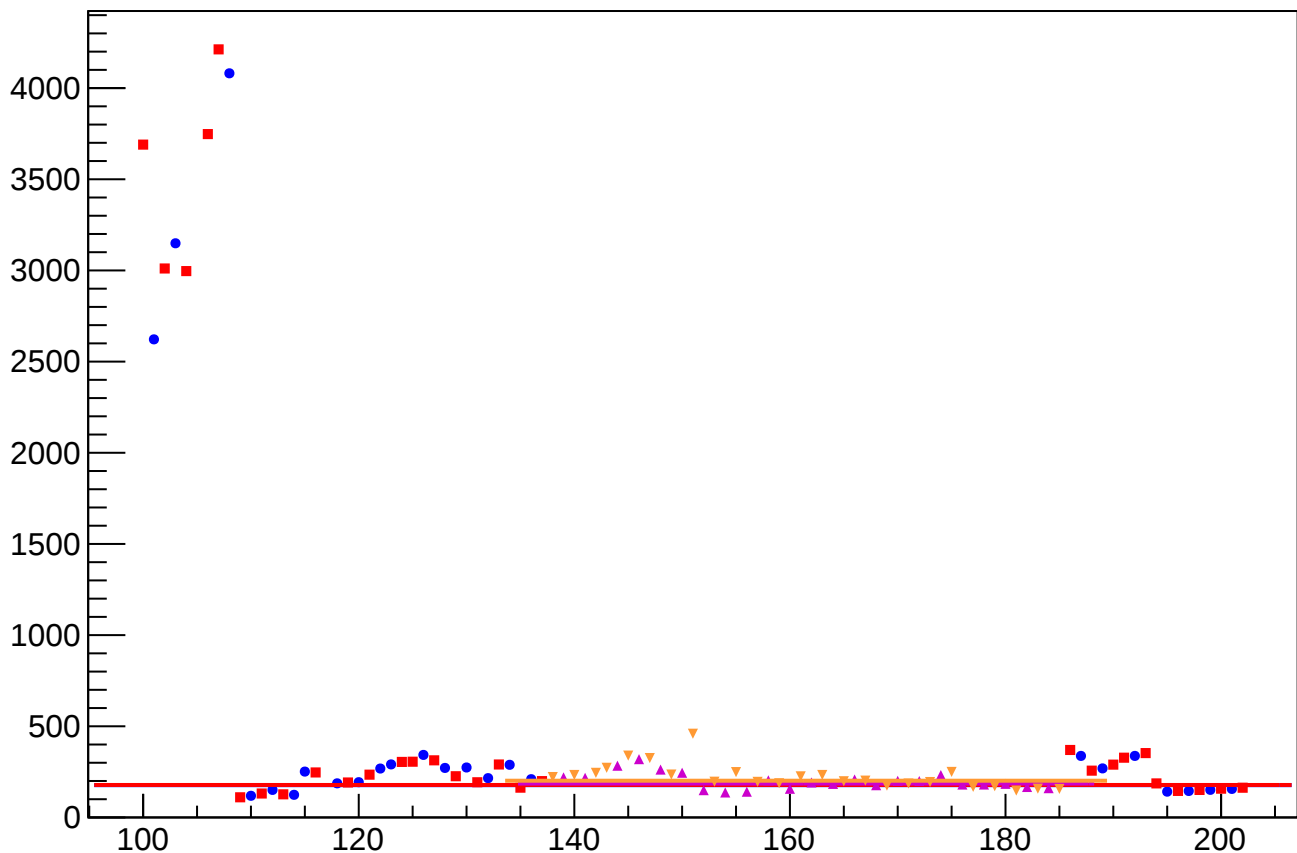
Left In: -31.477+/-46.483 χ^2/NDF : 7.8/22

+ sign -5.690+/-37.561 χ^2/NDF : 25.7/48

All: -12.579+/-25.867 χ^2/NDF : 49.1/100

- sign -18.794+/-35.675 χ^2/NDF : 23.3/51

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 177.059 $\pm$ 0.042 χ^2 /NDF: 4444512.0/23

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

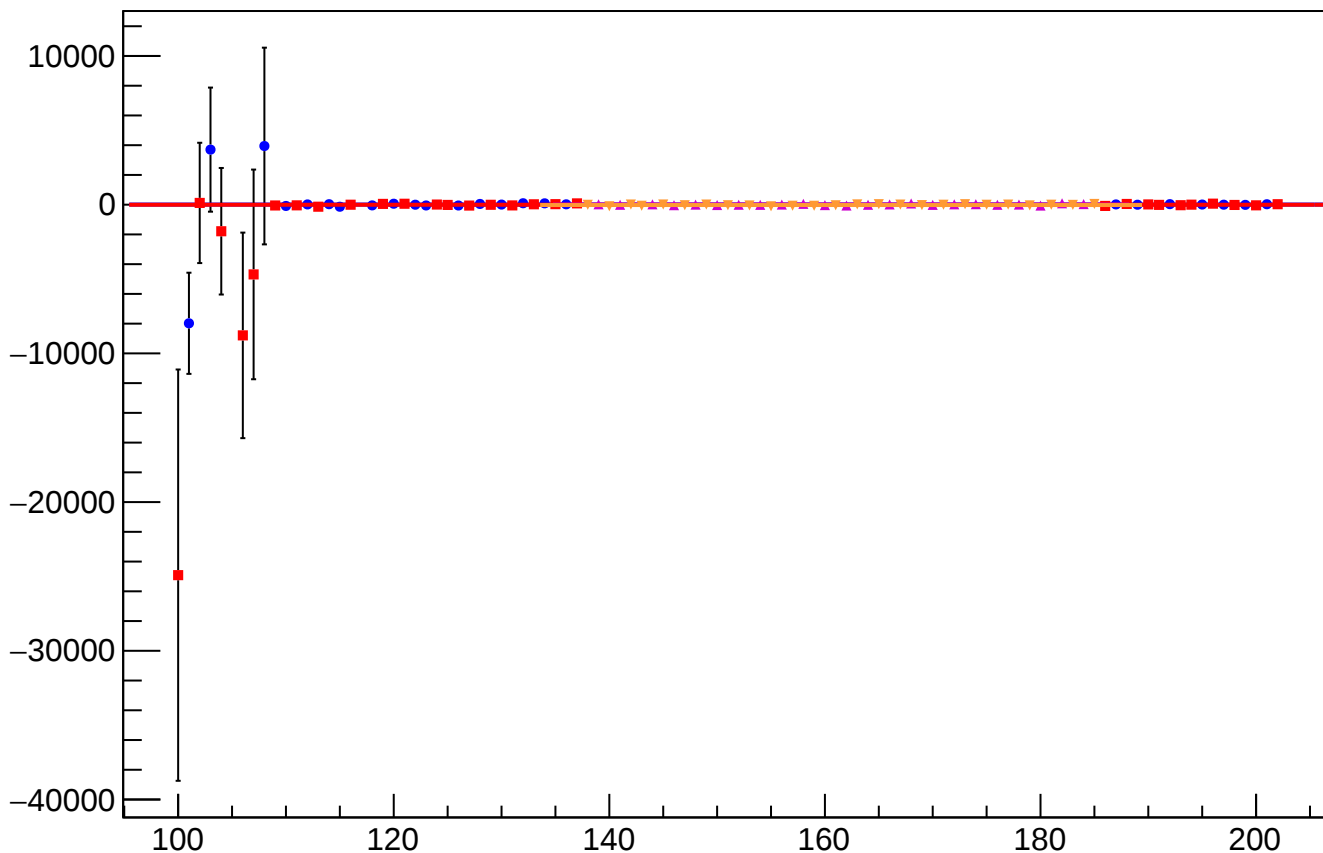
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF: 1380877.6/22

+ sign 191.578 $\pm$ 0.027 χ^2 /NDF: 6503697.5/48

All: 186.910 $\pm$ 0.018 χ^2 /NDF: 13228455.7/10

- 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: 8.694 $\pm$ 10.694 χ^2 /NDF: 21.5/23

Left Out: -24.144 $\pm$ -8.076 χ^2 /NDF:24.9/24

Right Out: -4.445 $\pm$ -9.948 χ^2 /NDF: 31.7/28

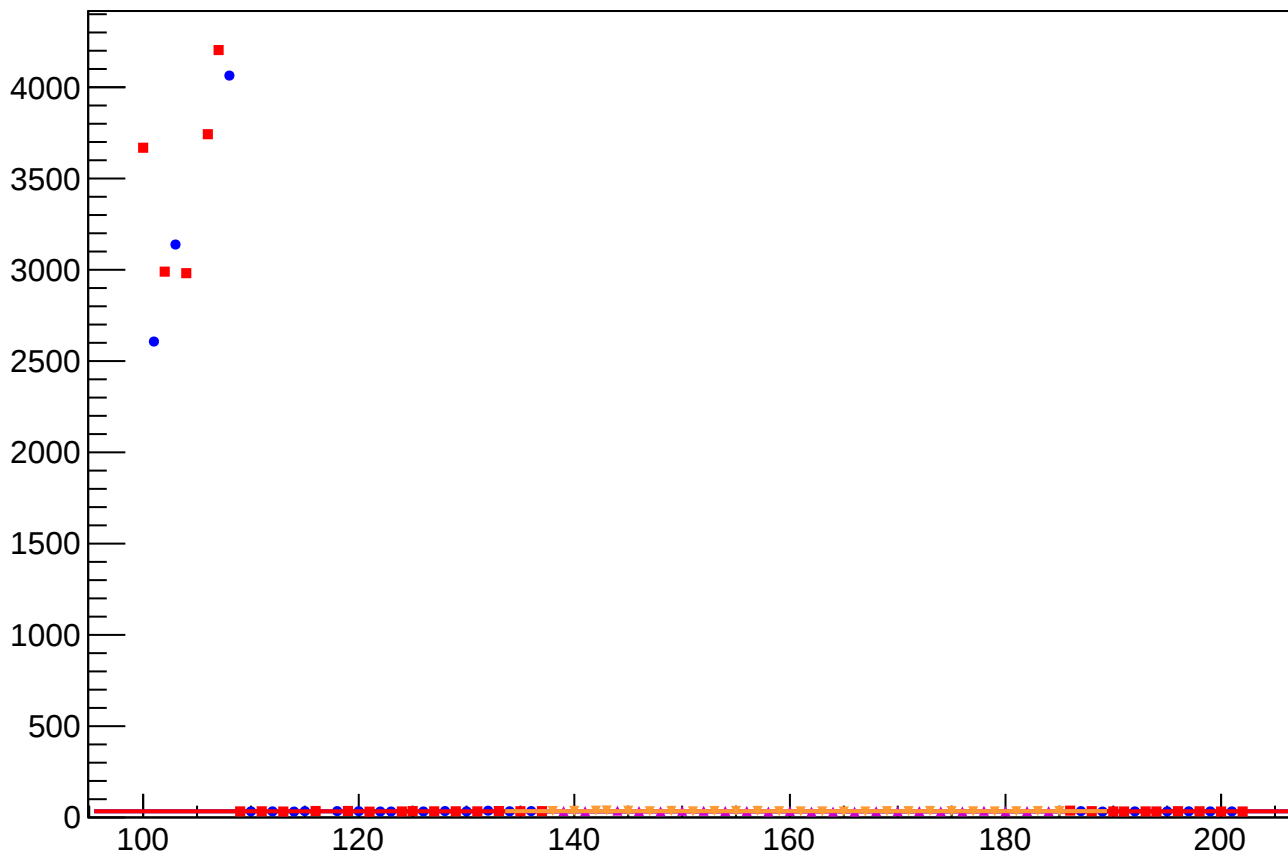
Left In: 5.924 $\pm$ -8.340 χ^2 /NDF:21.0/22

+ sign -12.217 $\pm$ -6.445 χ^2 /NDF: 52.4/48

All: -5.229 $\pm$ -4.538 χ^2 /NDF: 108.0/100

- sign 1.644 $\pm$ -6.391 χ^2 /NDF: 53.3/51

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.688 $\pm$ 0.008 χ^2 /NDF: 3011929.4/23

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

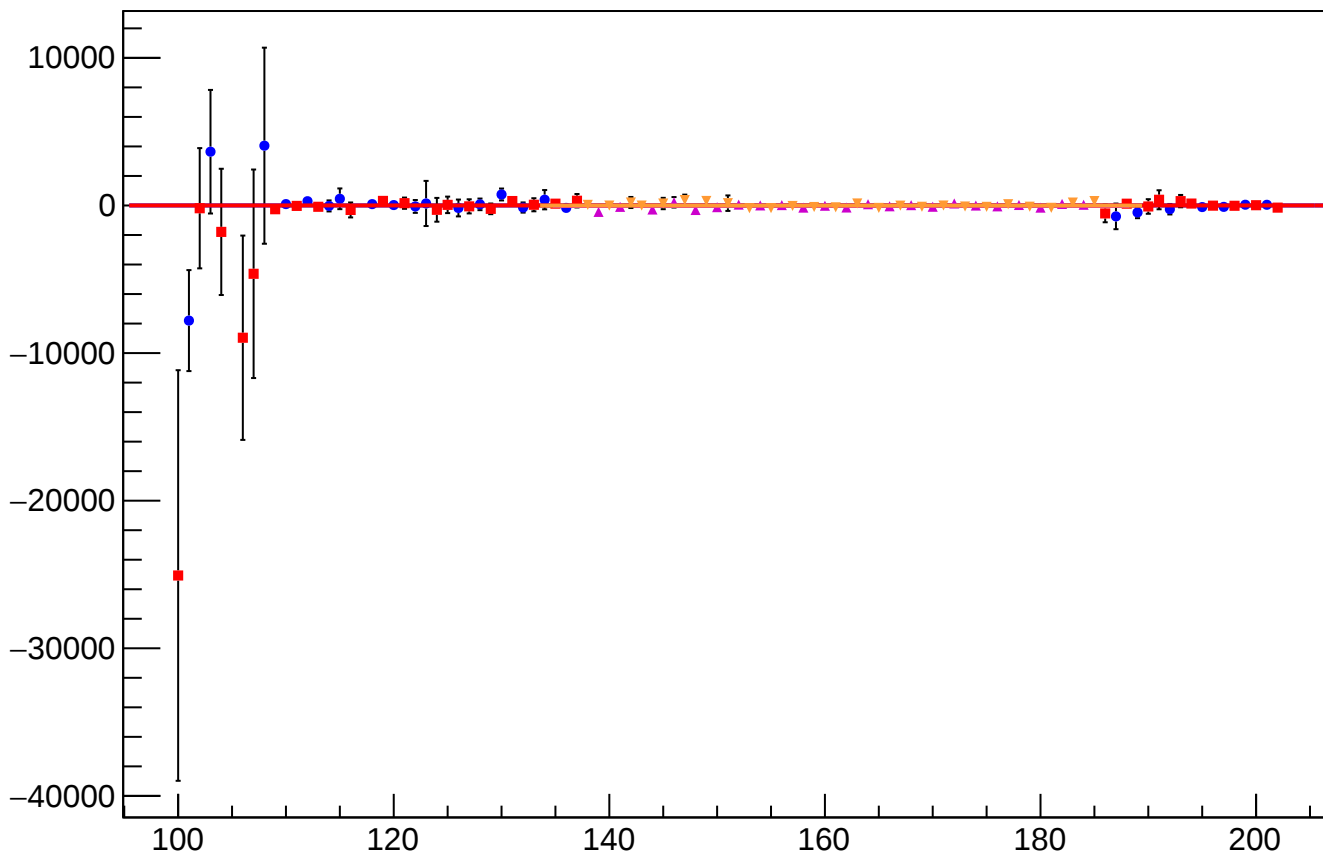
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.280 $\pm$ 0.005 χ^2 /NDF: 3079421.4/48

All: 34.284 $\pm$ 0.003 χ^2 /NDF: 6615843.7/100

- 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: 2.685 $\pm$ 58.761 χ^2 /NDF: 17.1/23

Left Out: -7.558 $\pm$ 48.662 χ^2 /NDF: 8.8/24

Right Out: 3.257 $\pm$ 55.411 χ^2 /NDF: 13.8/28

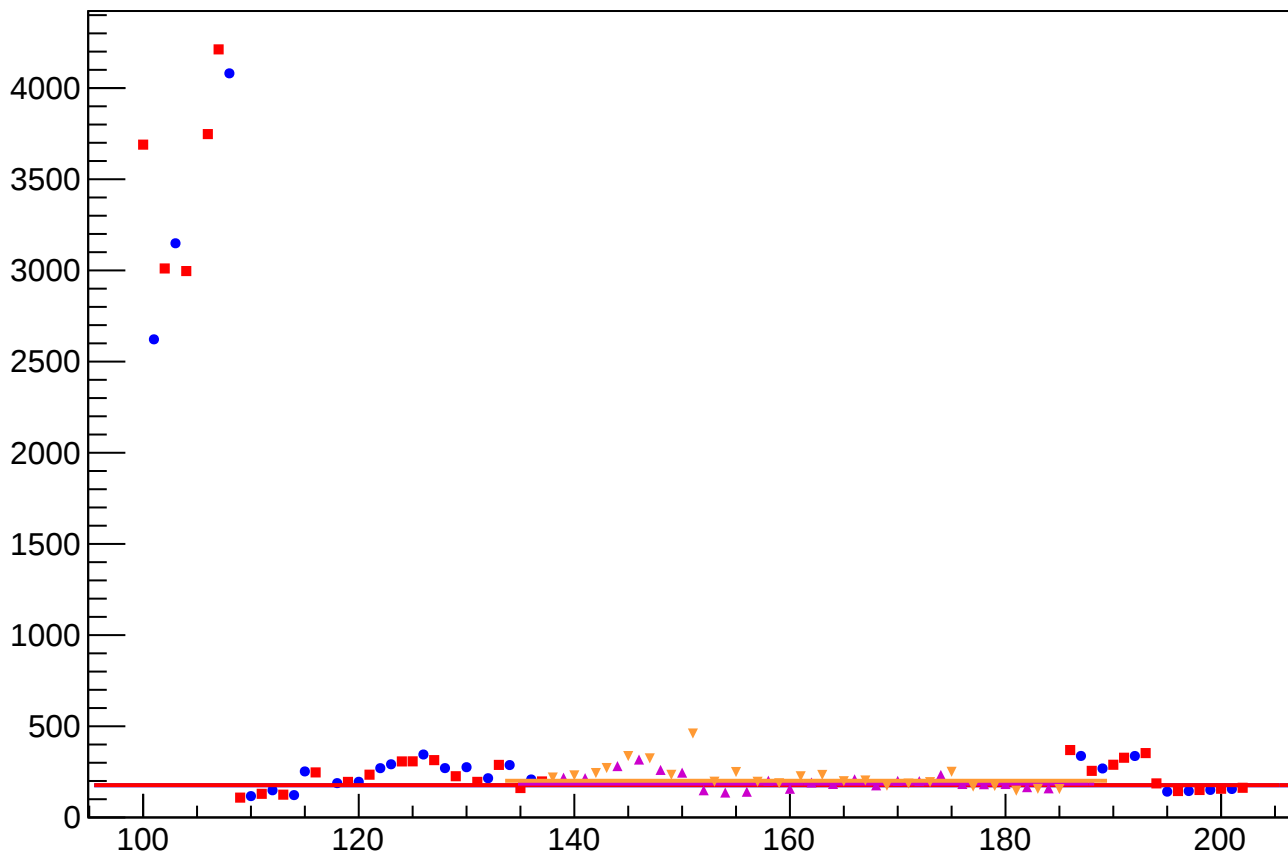
Left In: -34.977 $\pm$ 46.421 χ^2 /NDF: 7.1/22

+ sign -3.391 $\pm$ 37.479 χ^2 /NDF: 25.9/48

All: -11.710 $\pm$ 25.806 χ^2 /NDF: 47.1/100

- sign -19.210 $\pm$ 35.584 χ^2 /NDF: 21.2/51

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 176.366 $\pm$ 0.042 χ^2 /NDF: 4474274.8/23

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

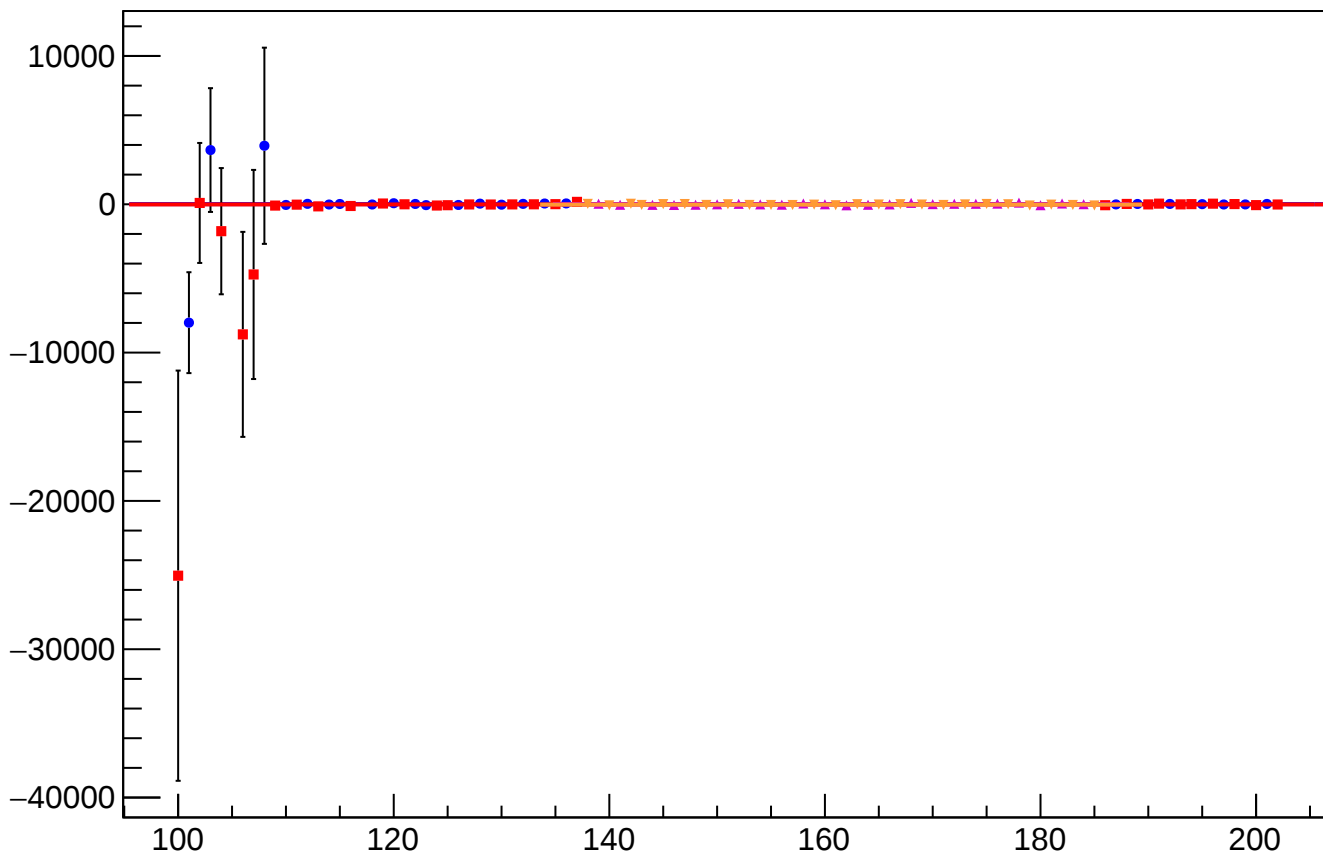
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 191.096 $\pm$ 0.027 χ^2 /NDF: 6534592.4/48

All: 186.382 $\pm$ 0.018 χ^2 /NDF: 13306496.7/10

- 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: 11.201 $\pm$ 9.698 χ^2 /NDF: 16.1/23

Left Out: -23.320 $\pm$ 7.352 χ^2 /NDF:18.3/24

Right Out: -10.055 $\pm$ 9.021 χ^2 /NDF: 36.1/28

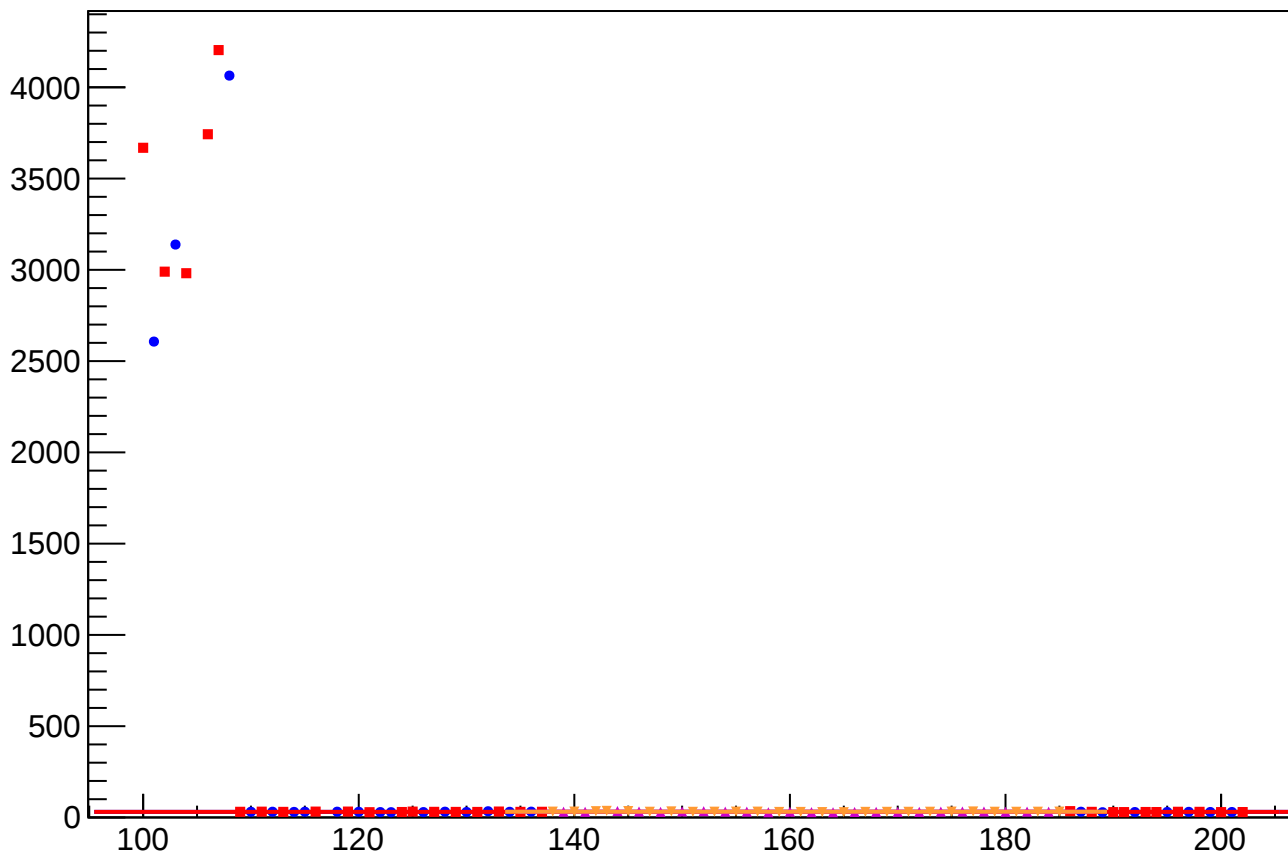
Left In: 6.386 $\pm$ 7.577 χ^2 /NDF:38.7/22

+ sign -10.721 $\pm$ 5.859 χ^2 /NDF: 42.5/48

All: -5.517 $\pm$ 4.122 χ^2 /NDF: 120.8/100

- sign -0.414 $\pm$ 5.802 χ^2 /NDF: 76.8/51

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.539 $\pm$ 0.007 χ^2 /NDF: 3026142.2/23

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

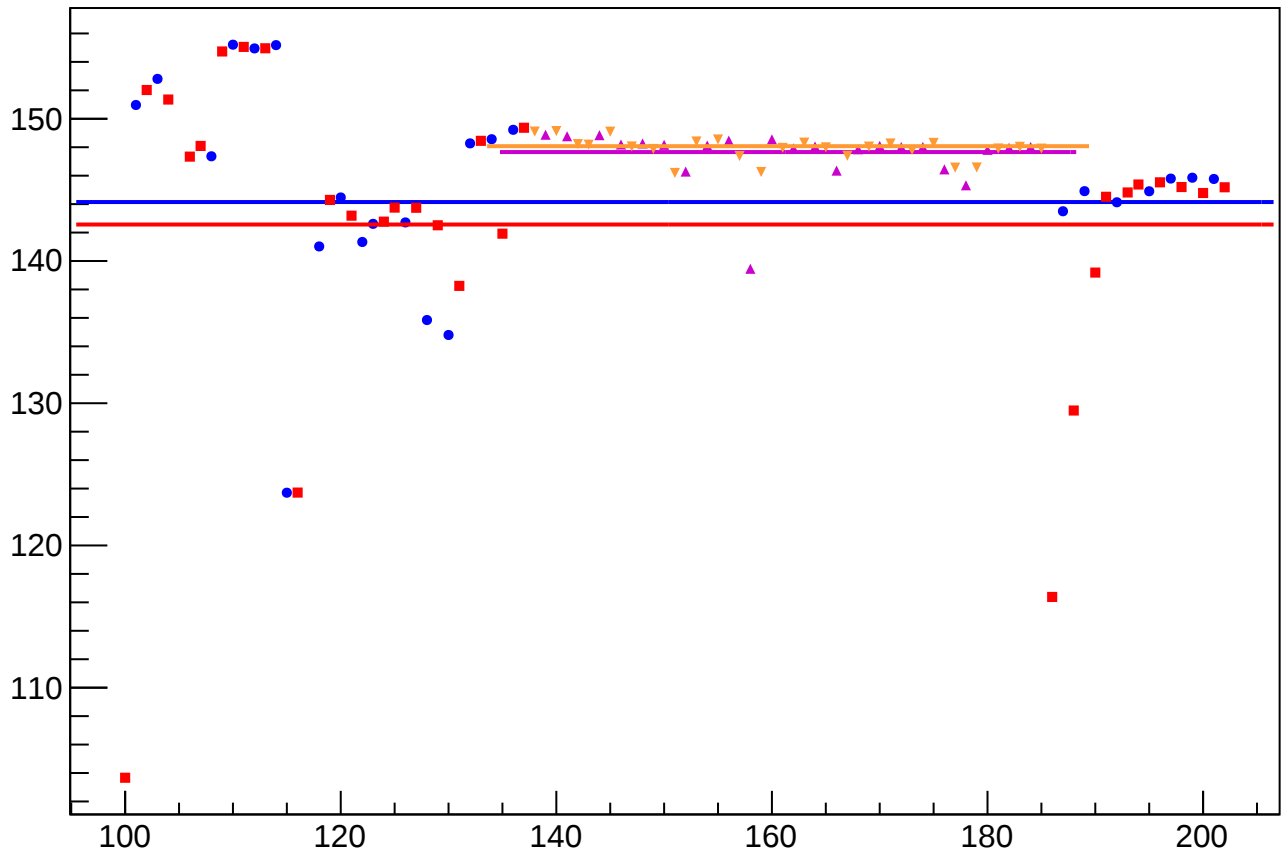
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.142 $\pm$ 0.004 χ^2 /NDF: 3120262.0/48

All: 31.119 $\pm$ 0.003 χ^2 /NDF: 6700976.4/100

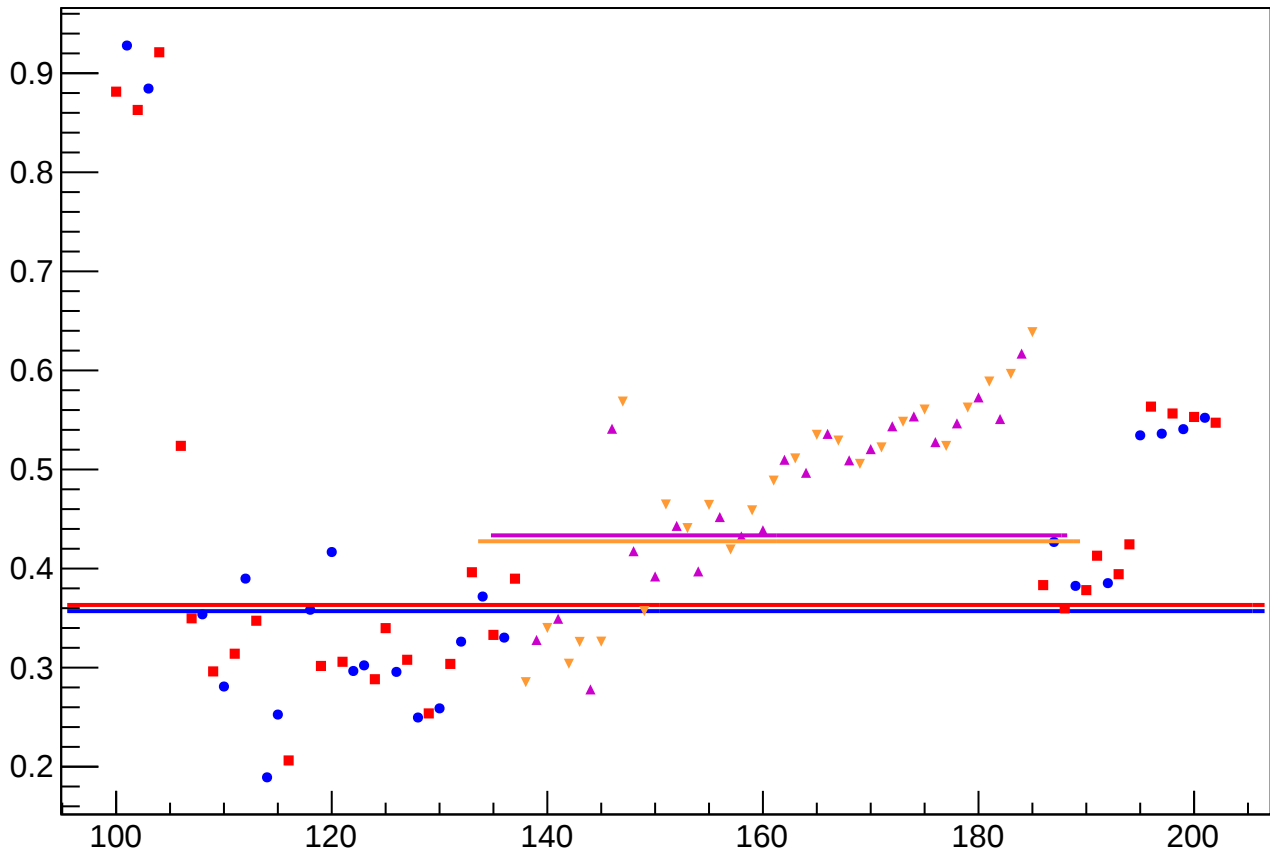
- sign 31.097 $\pm$ 0.004 χ^2 /NDF: 3580655.5/51

yield_bcm_an_ds_mean vs Slug



Right In: 144.146 $\pm$ 0.000	χ^2 /NDF: 3477145944.2/23	+ sign 146.312 $\pm$ 0.000	χ^2 /NDF: 4183468474.0/48
Left Out: 148.074 $\pm$ 0.000	χ^2 /NDF: 65673678.9/24	All: 145.690 $\pm$ 0.000	χ^2 /NDF: 13158794338.
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: 0.357 $\pm$ 0.000 χ^2 /NDF: 2161651.1/23

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

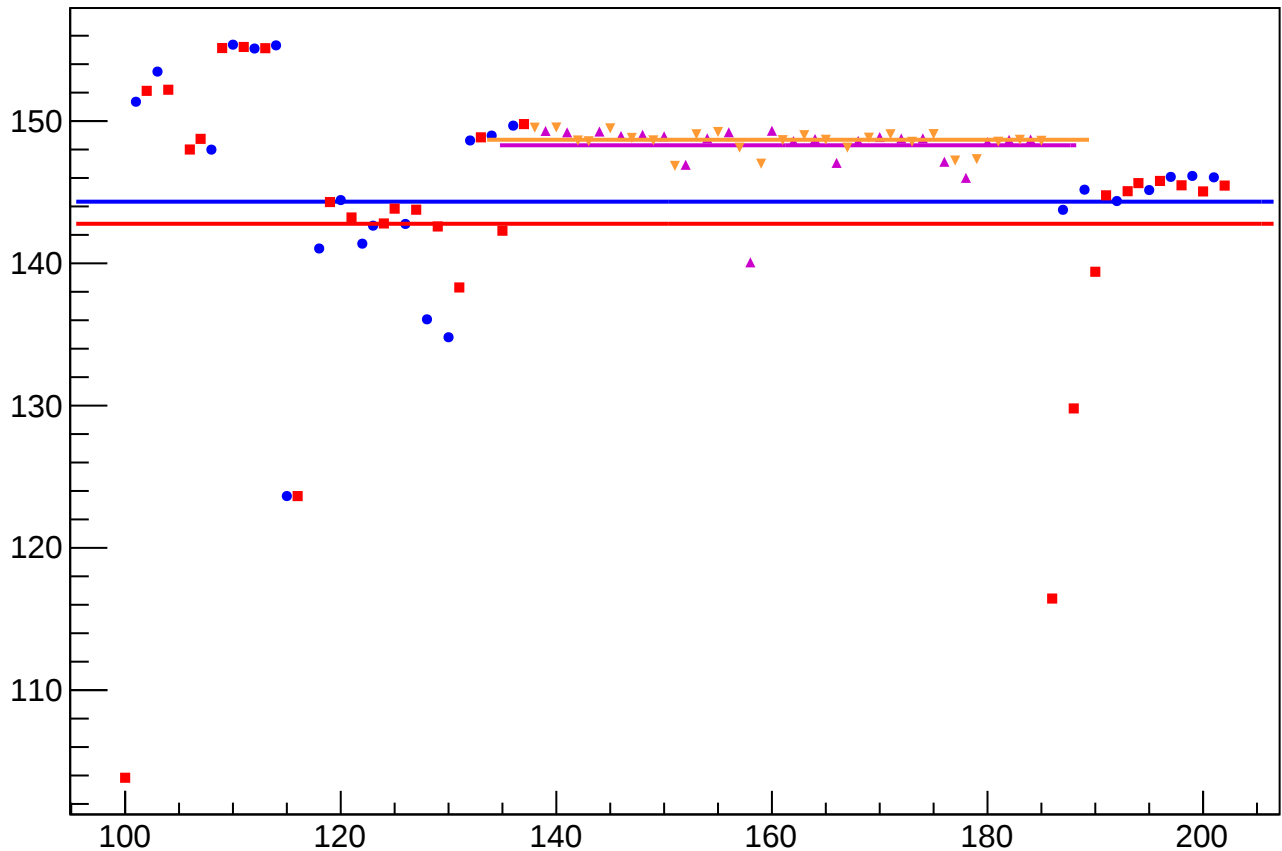
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.396 $\pm$ 0.000 χ^2 /NDF: 4467182.3/48

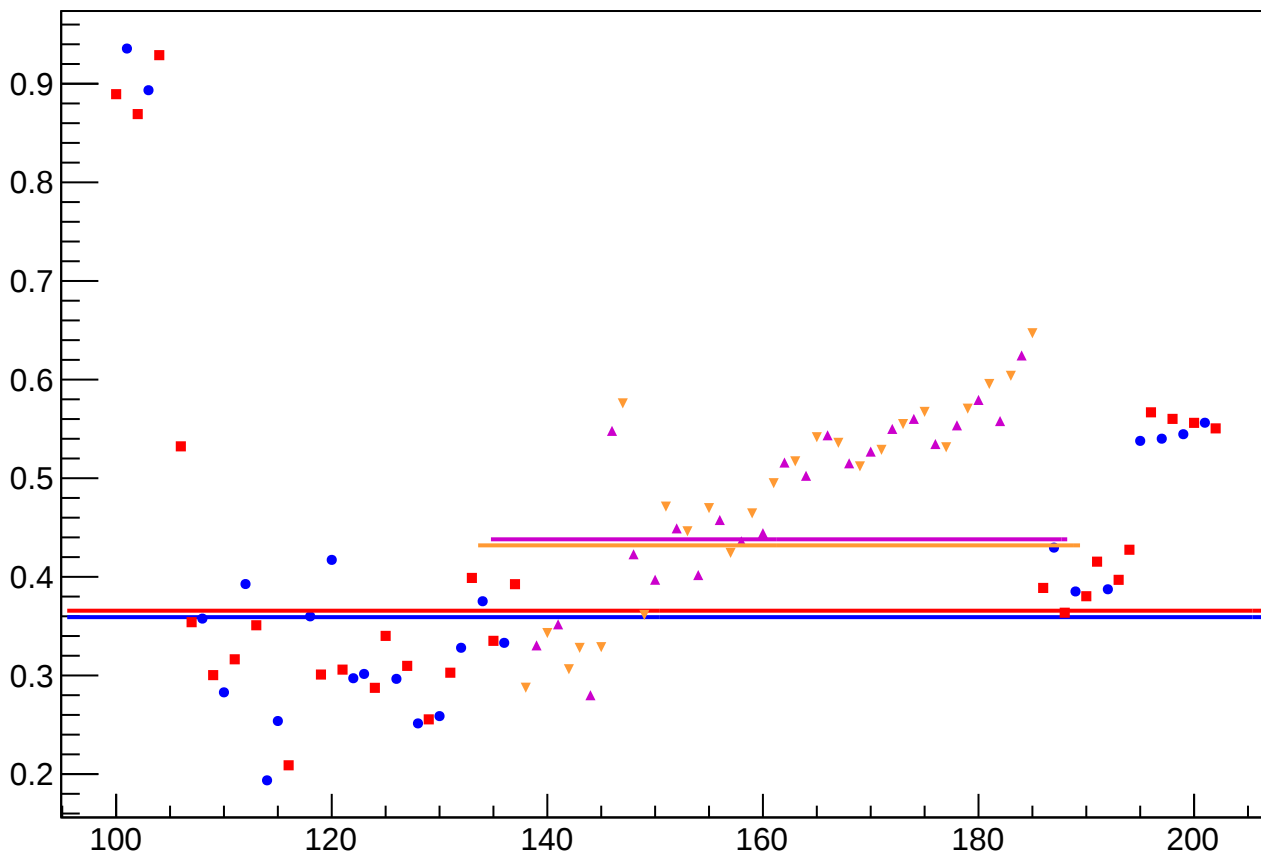
All: 0.397 $\pm$ 0.000 χ^2 /NDF: 8522318.8/100

- sign 0.398 $\pm$ 0.000 χ^2 /NDF: 4054367.0/51

yield_bcm_an_ds3_mean vs Slug



yield_bcm_an_ds3_rms vs Slug



Right In: 0.359 ± 0.000 χ^2/NDF : 2166805.8/23

Left Out: 0.432 ± 0.000 χ^2/NDF : 1924979.0/24

Right Out: 0.366 ± 0.000 χ^2/NDF : 2150829.7/28

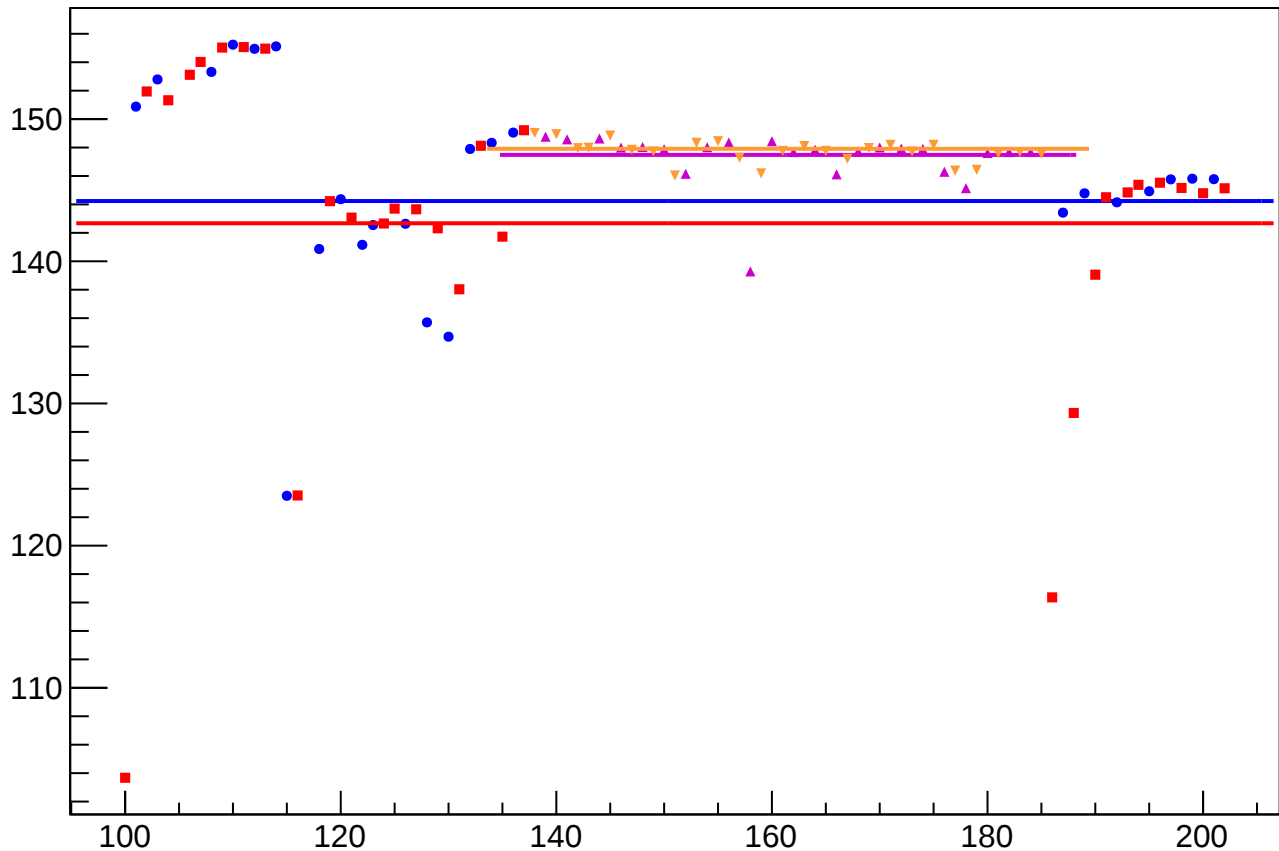
Left In: 0.438 ± 0.000 χ^2/NDF : 1504635.6/22

+ sign 0.399 ± 0.000 χ^2/NDF : 4524725.2/48

All: 0.400 ± 0.000 χ^2/NDF : 8627566.4/100

- sign 0.401 ± 0.000 χ^2/NDF : 4102000.7/51

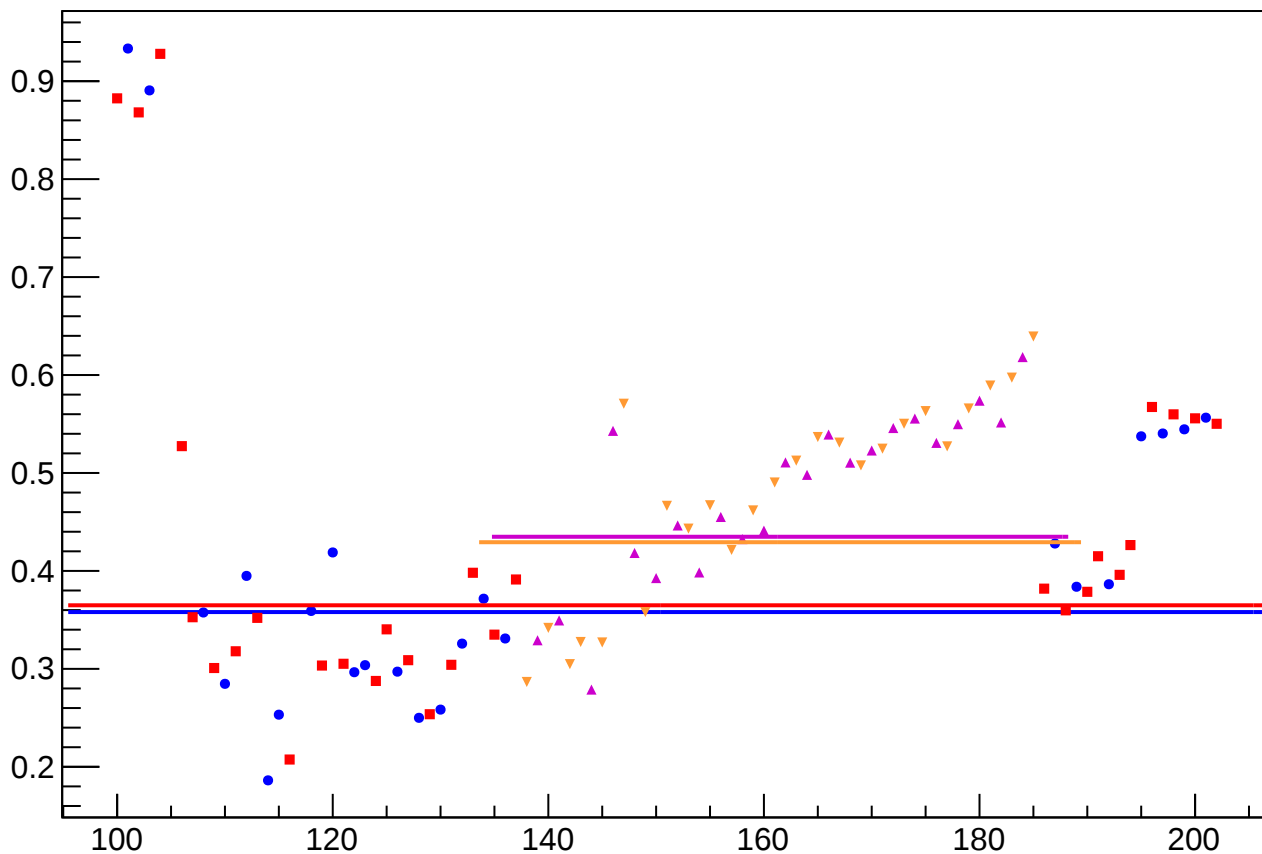
yield_bcm_an_us_mean vs Slug



Right In: 144.238 ± 0.000 χ^2/NDF : 3685226561.2/23
 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 146.263 ± 0.000 χ^2/NDF : 4306100802.5/48
 All: 145.650 ± 0.000 χ^2/NDF : 13526656812.0/51
 - sign 145.057 ± 0.000 χ^2/NDF : 9097345728.0/51

yield_bcm_an_us_rms vs Slug



Right In: 0.358 $\pm$ 0.000 χ^2 /NDF: 2189471.3/23

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

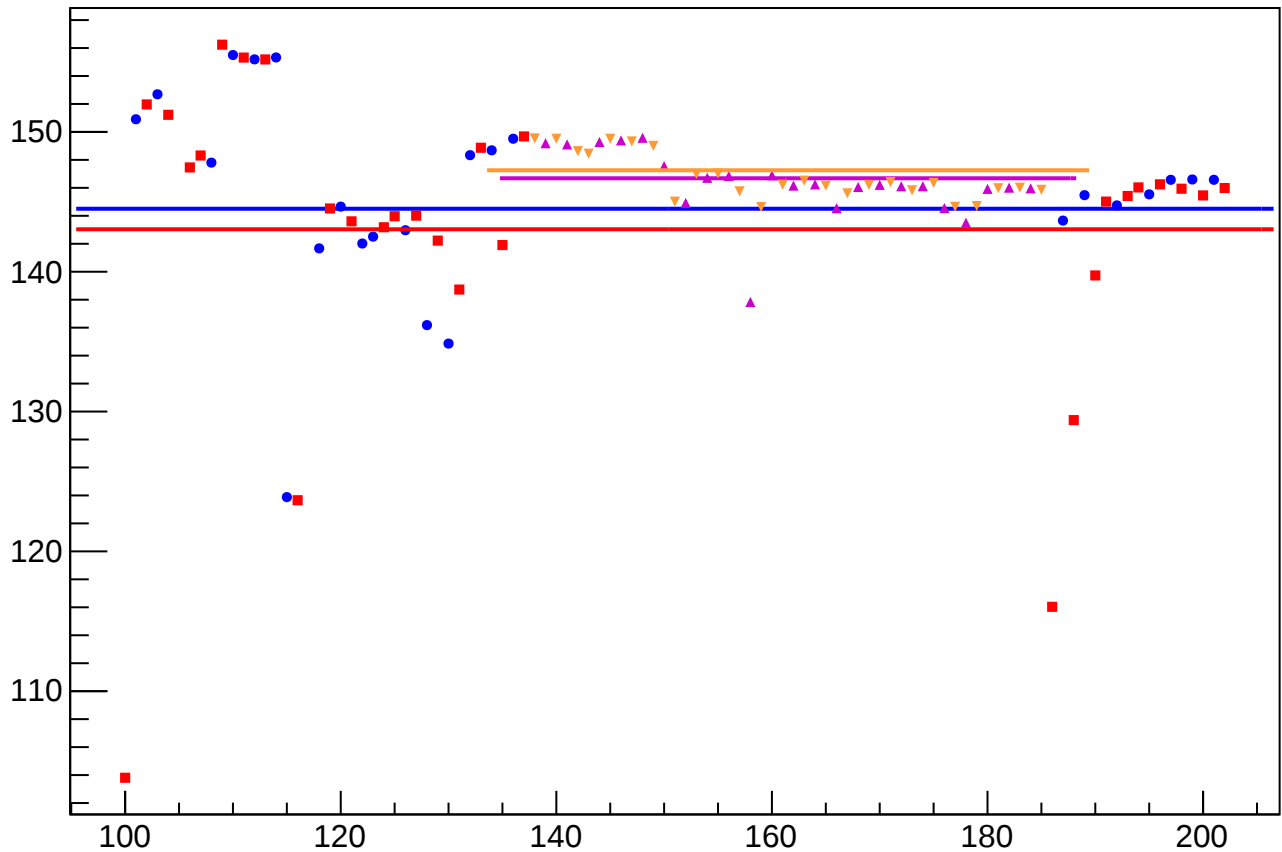
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.397 $\pm$ 0.000 χ^2 /NDF: 4500339.1/48

All: 0.398 $\pm$ 0.000 χ^2 /NDF: 8560639.2/100

- sign 0.400 $\pm$ 0.000 χ^2 /NDF: 4059420.7/51

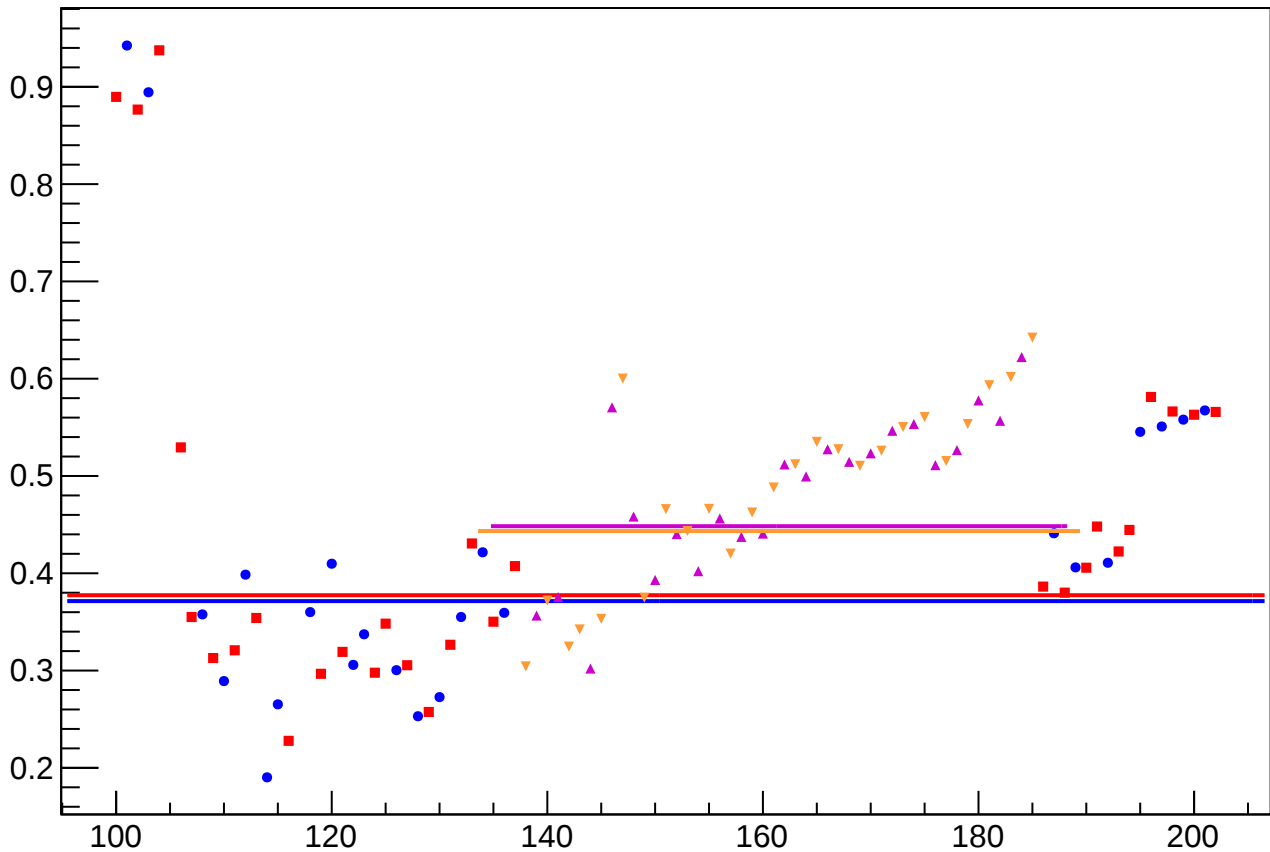
yield_bcm_dg_us_mean vs Slug



Right In: 144.505 $\pm$ 0.000 χ^2/NDF : 3204721367.0/23
 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

+ sign 146.036 $\pm$ 0.000 χ^2/NDF : 3758916859.8/48
 All: 145.438 $\pm$ 0.000 χ^2/NDF : 12050447034.
 - sign 144.861 $\pm$ 0.000 χ^2/NDF : 8181833387.8/51

yield_bcm_dg_us_rms vs Slug



Right In: 0.371 ± 0.000 χ^2/NDF : 2137426.5/23

Left Out: 0.443 ± 0.000 χ^2/NDF : 1480479.3/24

Right Out: 0.377 ± 0.000 χ^2/NDF : 2100251.3/28

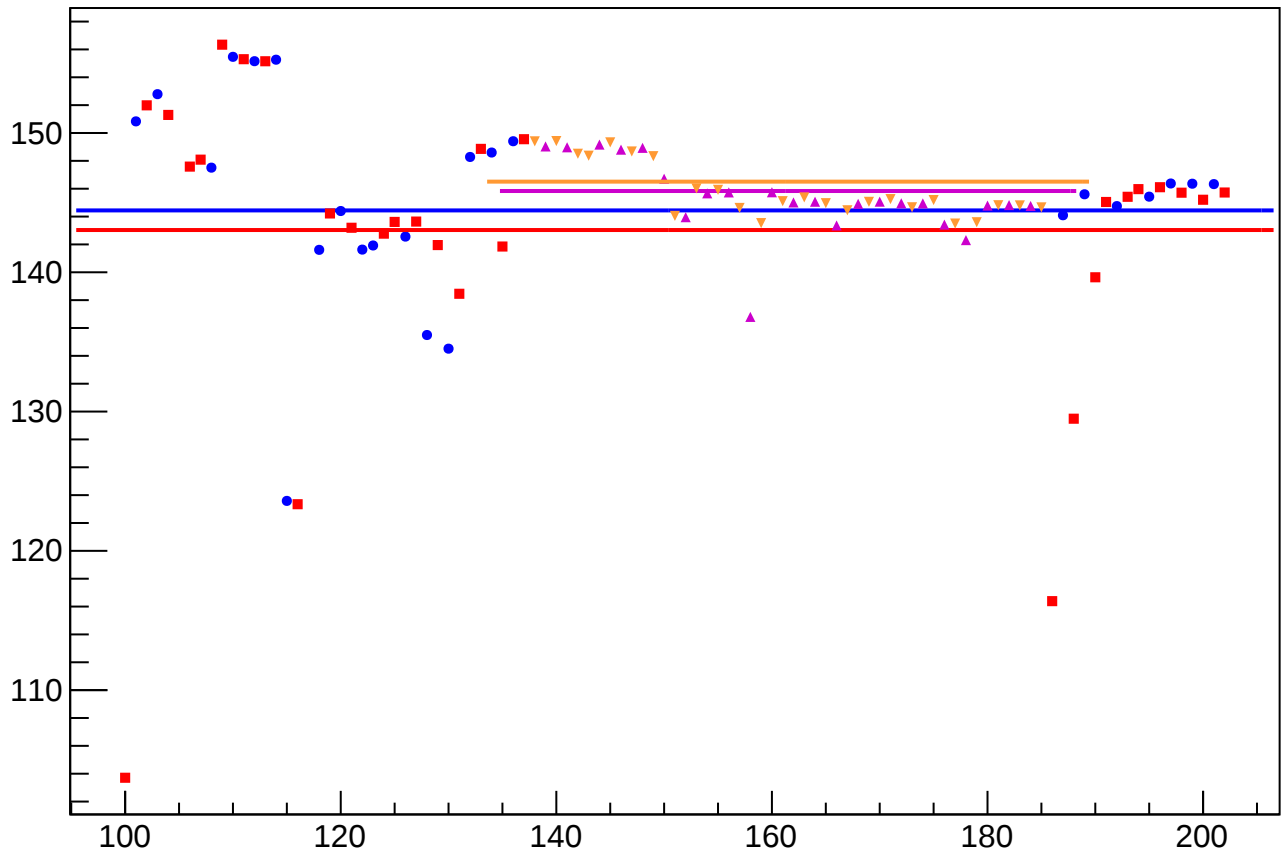
Left In: 0.448 ± 0.000 χ^2/NDF : 1120261.8/22

+ sign 0.411 ± 0.000 χ^2/NDF : 4017946.3/48

All: 0.412 ± 0.000 χ^2/NDF : 7646644.8/100

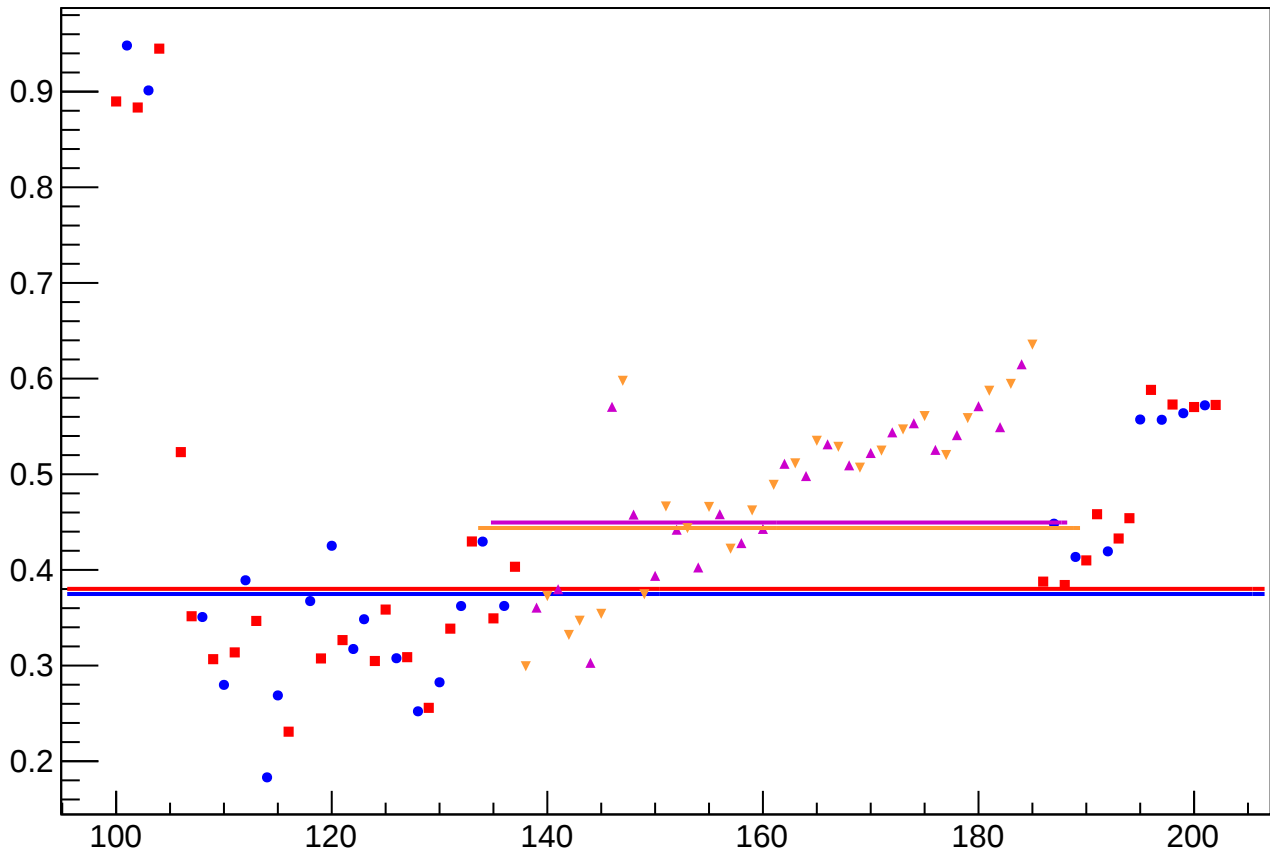
- sign 0.413 ± 0.000 χ^2/NDF : 3628338.5/51

yield_bcm_dg_ds_mean vs Slug



Right In: 144.442 $\pm$ 0.000	χ^2 /NDF: 3318707248.0/23	+ sign 145.601 $\pm$ 0.000	χ^2 /NDF: 3882545552.5/48
Left Out: 146.508 $\pm$ 0.000	χ^2 /NDF: 401248837.9/24	All: 145.012 $\pm$ 0.000	χ^2 /NDF: 12041861651.0/51
Right Out: 143.033 $\pm$ 0.000	χ^2 /NDF: 7049415479.4/28	- sign 144.443 $\pm$ 0.000	χ^2 /NDF: 8053820749.9/51
Left In: 145.834 $\pm$ 0.000	χ^2 /NDF: 690172810.0/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.375 $\pm$ 0.000 χ^2 /NDF: 2175631.3/23

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

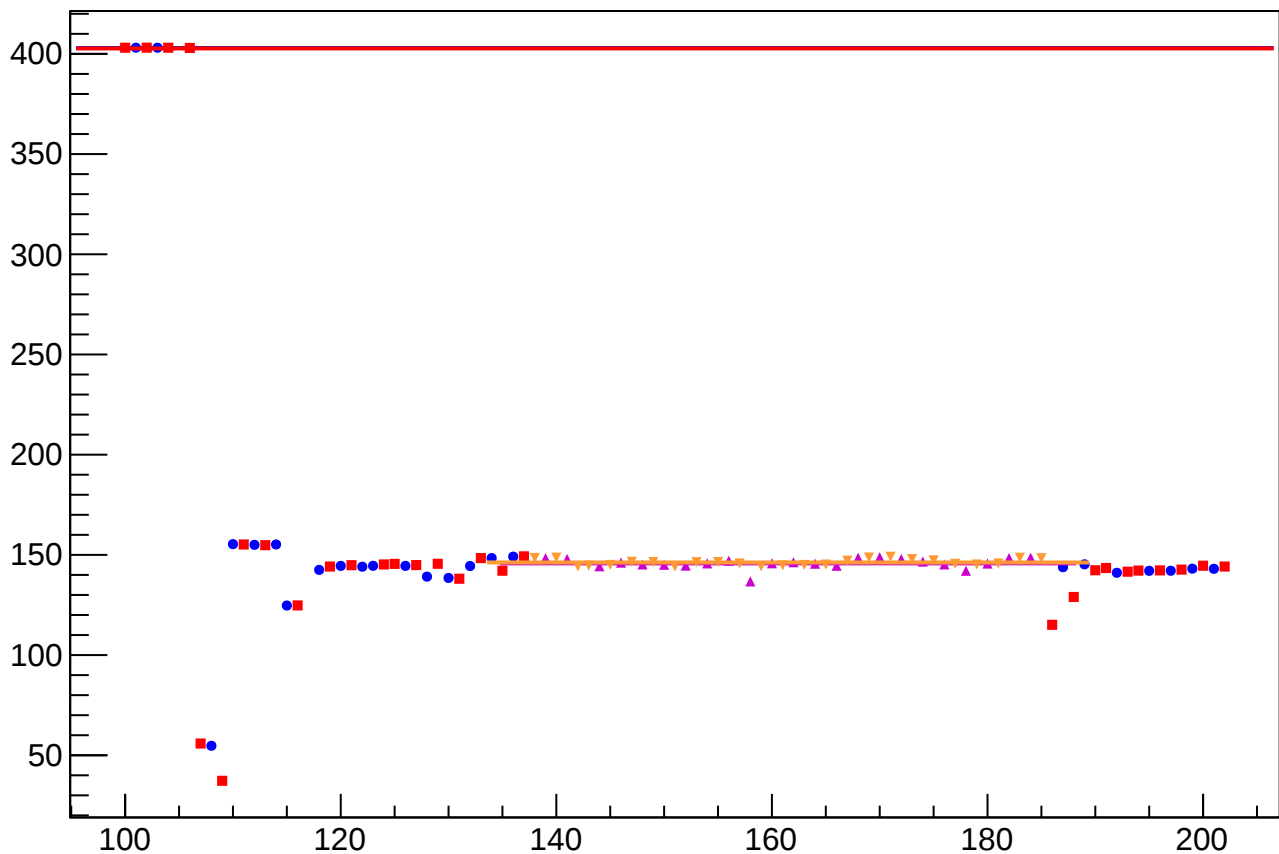
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1092776.5/22

+ sign 0.414 $\pm$ 0.000 χ^2 /NDF: 3998578.2/48

All: 0.414 $\pm$ 0.000 χ^2 /NDF: 7600200.2/100

- sign 0.415 $\pm$ 0.000 χ^2 /NDF: 3601230.0/51

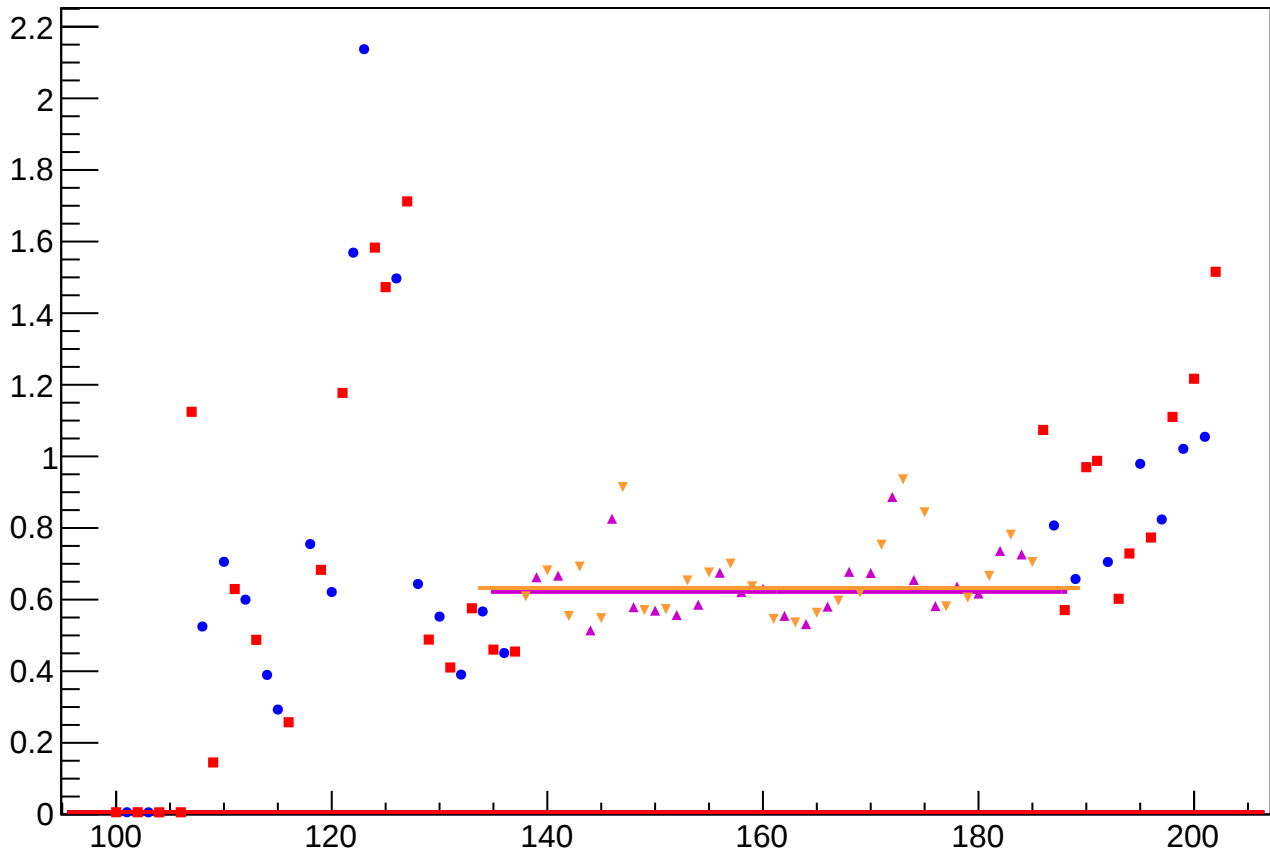
yield_cav4bQ_mean vs Slug



Right In: 402.915 $\pm$ 0.000 χ^2 /NDF: 1437983676999.9/23
 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 402.620 $\pm$ 0.000 χ^2 /NDF: 3798504238572.1
 All: 402.545 $\pm$ 0.000 χ^2 /NDF: 98209155683
 - sign 402.479 $\pm$ 0.000 χ^2 /NDF: 6022080282771.5

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 16270620.7/23

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

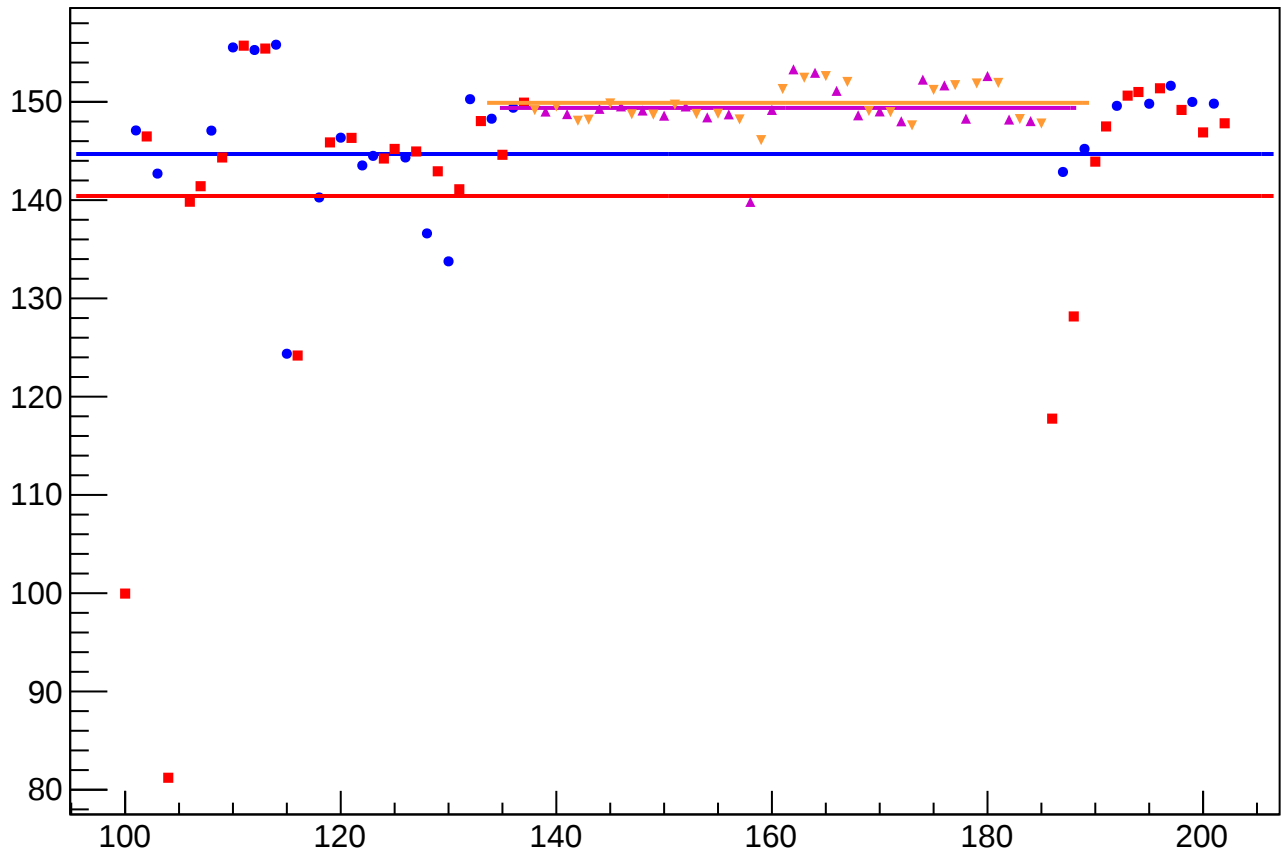
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 44953574.5/48

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 91614835.2/100

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 46661093.9/51

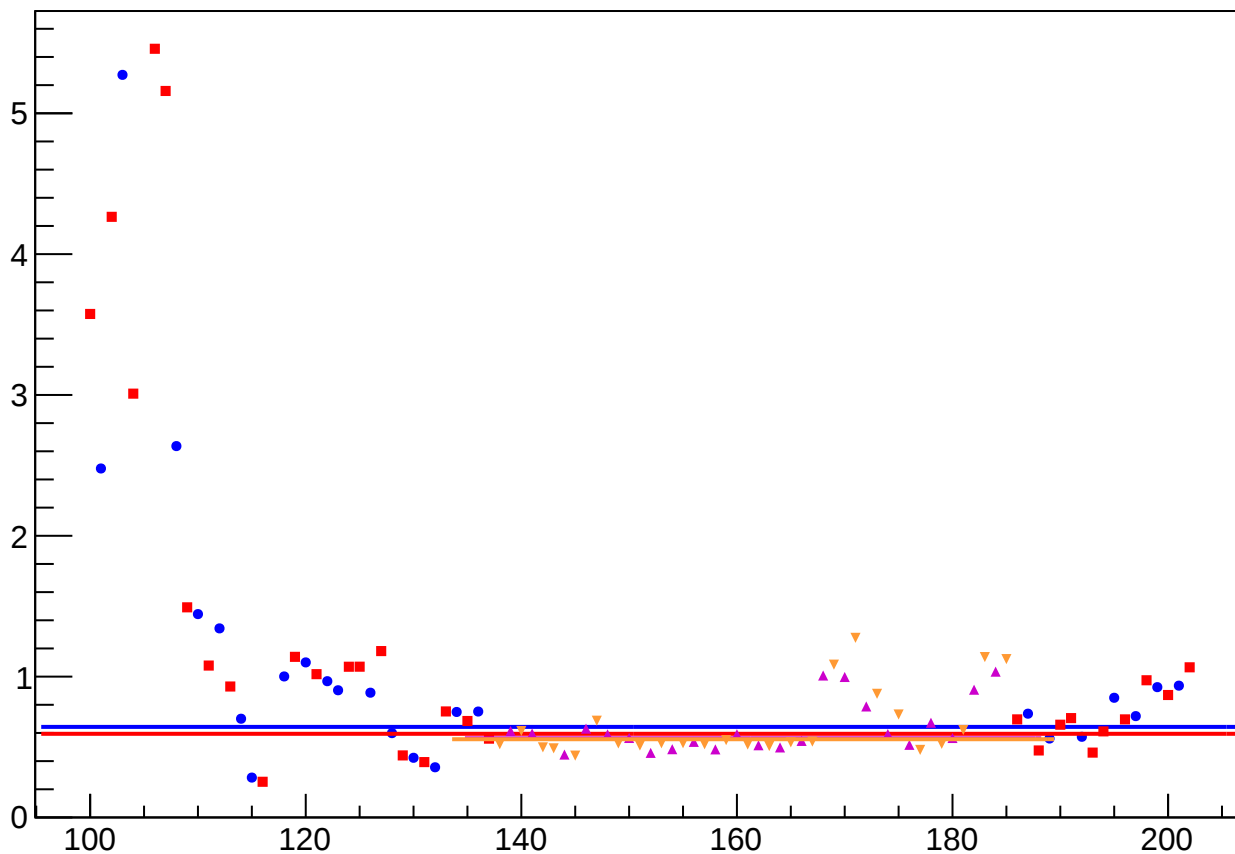
yield_cav4cQ_mean vs Slug



Right In: 144.693 $\pm$ 0.000 χ^2/NDF : 1240672581.2/23
 Left Out: 149.900 $\pm$ 0.000 χ^2/NDF : 162845622.6/24
 Right Out: 140.421 $\pm$ 0.000 χ^2/NDF : 3049982229.9/28
 Left In: 149.382 $\pm$ 0.000 χ^2/NDF : 434657827.5/22

+ sign 148.581 $\pm$ 0.000 χ^2/NDF : 1751916565.4/48
 All: 147.465 $\pm$ 0.000 χ^2/NDF : 6667801961.7
 - sign 146.395 $\pm$ 0.000 χ^2/NDF : 4750010524.2/51

yield_cav4cQ_rms vs Slug



Right In: 0.643 ± 0.000 χ^2/NDF : 3975942.0/23

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.594 ± 0.000 χ^2/NDF : 5447465.1/28

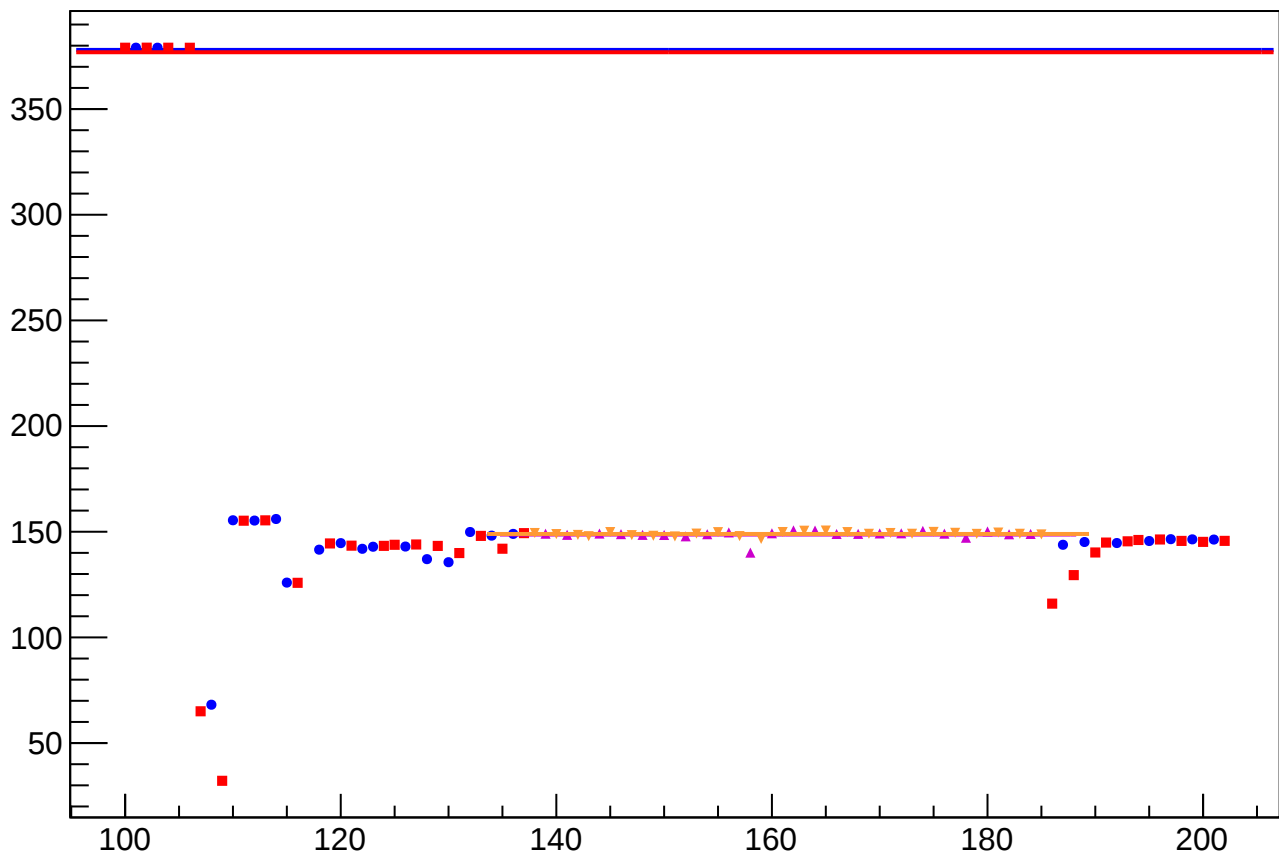
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.578 ± 0.000 χ^2/NDF : 5946681.3/48

All: 0.575 ± 0.000 χ^2/NDF : 12734252.5/100

- sign 0.572 ± 0.000 χ^2/NDF : 6785724.3/51

yield_cav4dQ_mean vs Slug



Right In: 377.994 $\pm$ 0.000 χ^2 /NDF: 3402080292610.2/23

Left Out: 148.944 $\pm$ 0.000 χ^2 /NDF: 63976941.3/24

Right Out: 376.893 $\pm$ 0.000 χ^2 /NDF: 9709059613229.0/28

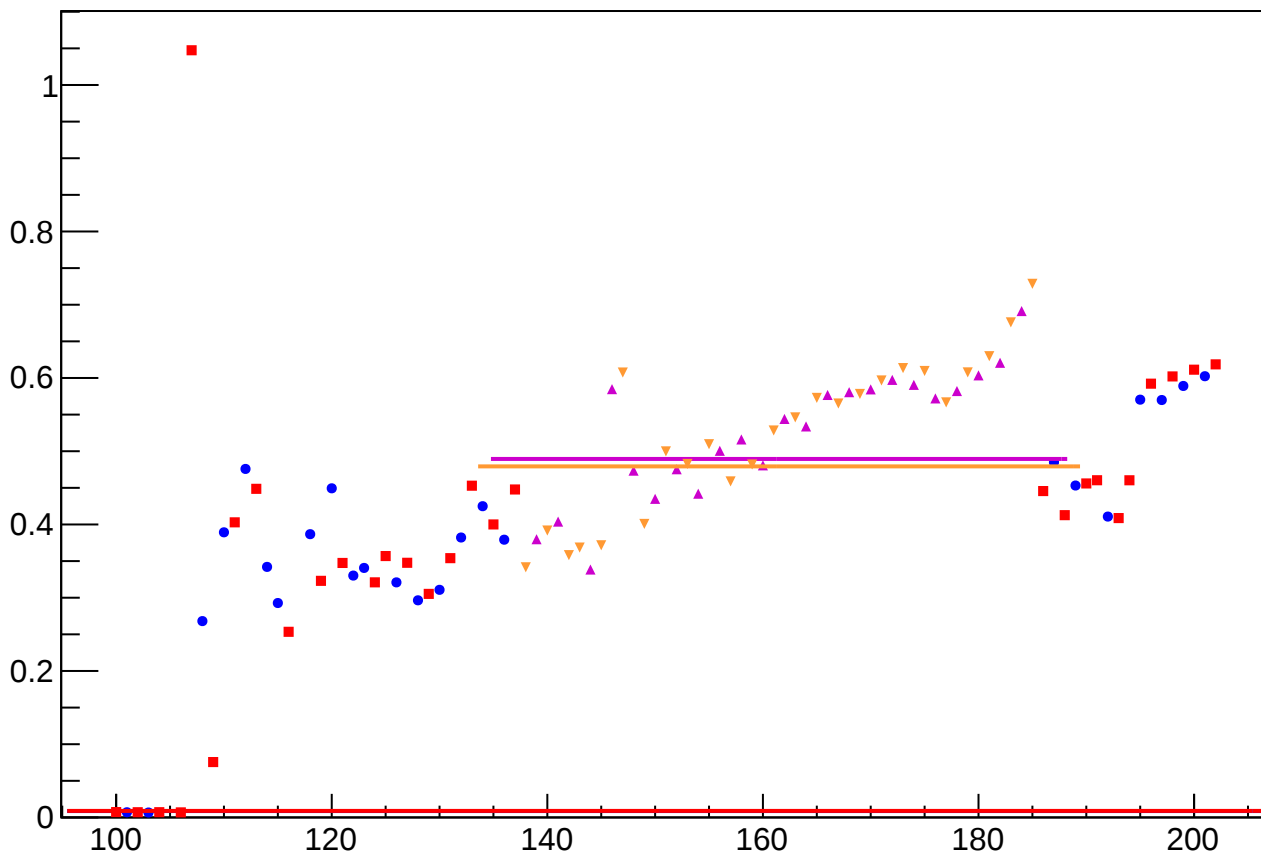
Left In: 148.672 $\pm$ 0.000 χ^2 /NDF: 252846428.3/22

+ sign 376.718 $\pm$ 0.000 χ^2 /NDF: 7299481502978.5

All: 376.267 $\pm$ 0.000 χ^2 /NDF: 205603604283

- sign 375.871 $\pm$ 0.000 χ^2 /NDF: 13255759850218.2

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 18483978.5/23

Left Out: 0.479+/-0.000 χ^2/NDF :1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 21403770.3/28

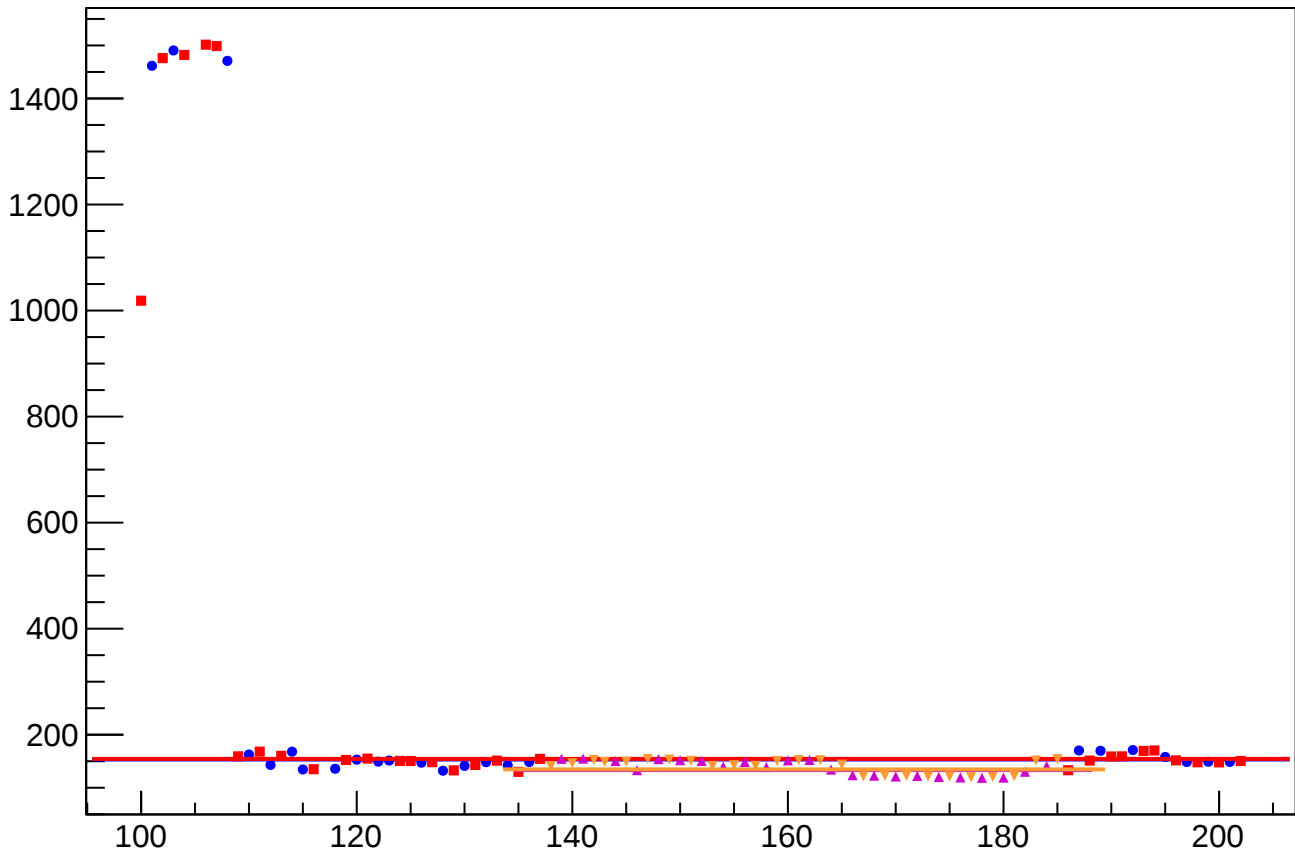
Left In: 0.489+/-0.000 χ^2/NDF :1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 52897338.1/48

All: 0.011+/-0.000 χ^2/NDF : 106822829.4/100

- sign 0.011+/-0.000 χ^2/NDF : 53924370.0/51

yield_bcm0l02_mean vs Slug



Right In: 153.252+/-0.000 χ^2/NDF : 25541991139.7/23

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 154.394+/-0.000 χ^2/NDF : 34840828019.4/28

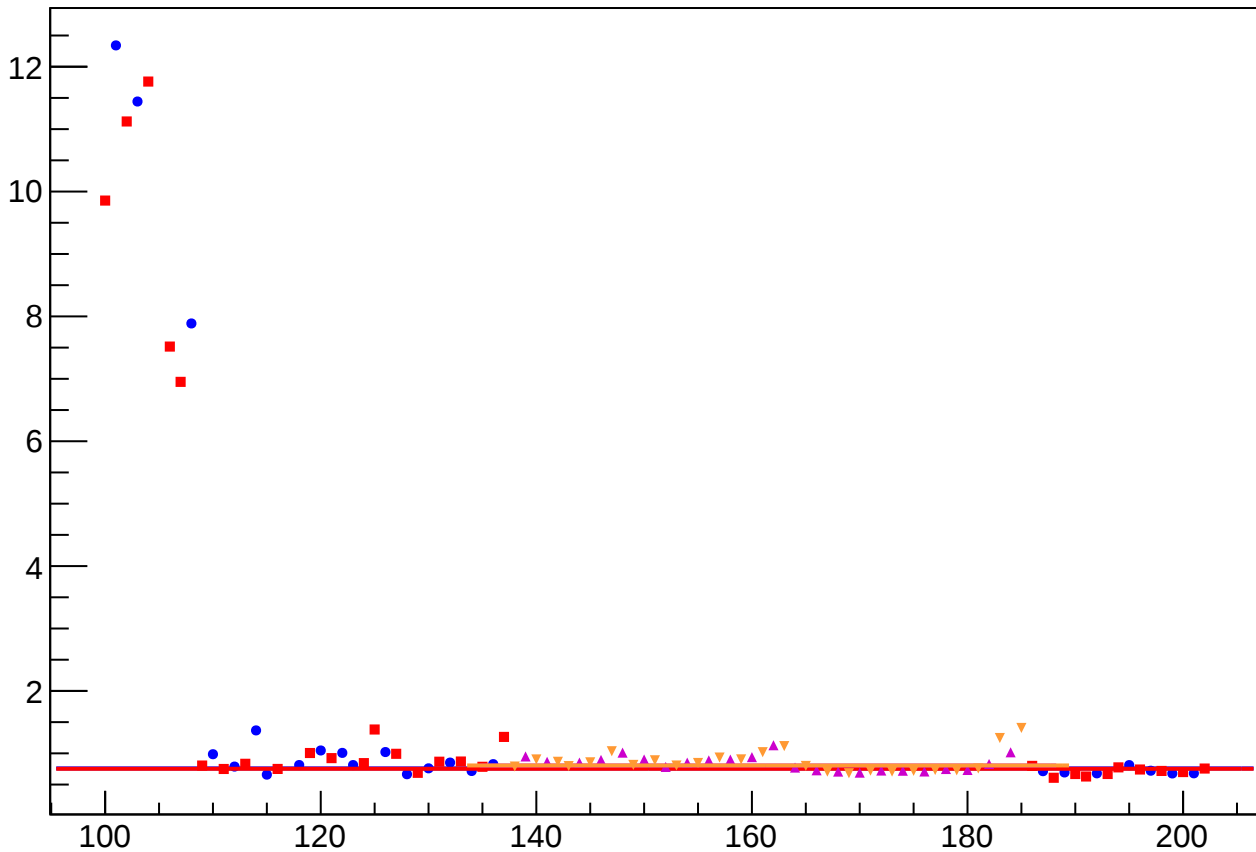
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 141.435+/-0.000 χ^2/NDF : 32969743589.2/48

All: 141.907+/-0.000 χ^2/NDF : 76447914761.0

- sign 142.354+/-0.000 χ^2/NDF : 43461862776.0/51

yield_bcm0l02_rms vs Slug



Right In: 0.759+/-0.000 χ^2/NDF : 2822455.0/23

Left Out: 0.806+/-0.000 χ^2/NDF : 690578.5/24

Right Out: 0.753+/-0.000 χ^2/NDF : 3138574.8/28

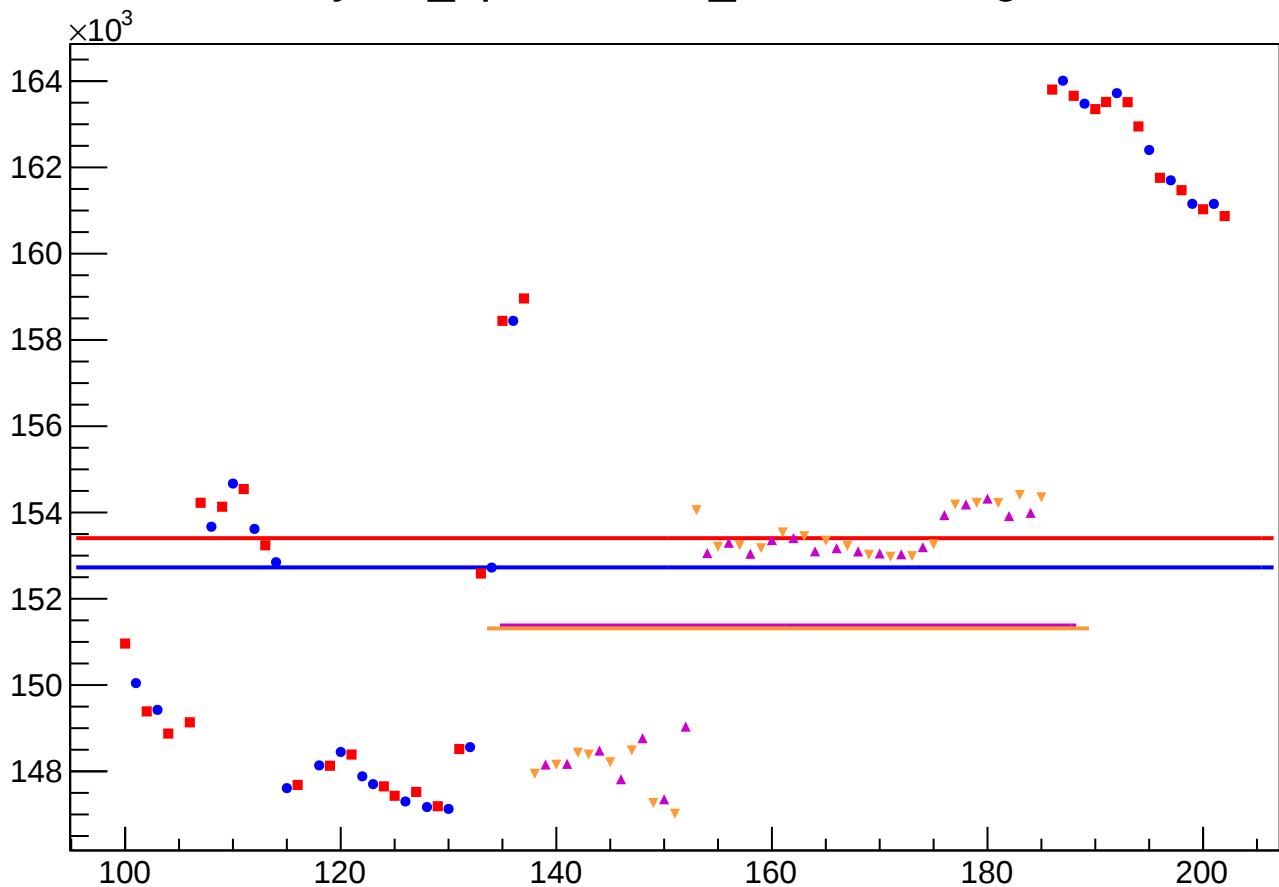
Left In: 0.805+/-0.000 χ^2/NDF : 480510.8/22

+ sign 0.789+/-0.000 χ^2/NDF : 3552154.7/48

All: 0.786+/-0.000 χ^2/NDF : 7225216.2/100

- sign 0.783+/-0.000 χ^2/NDF : 3671596.9/51

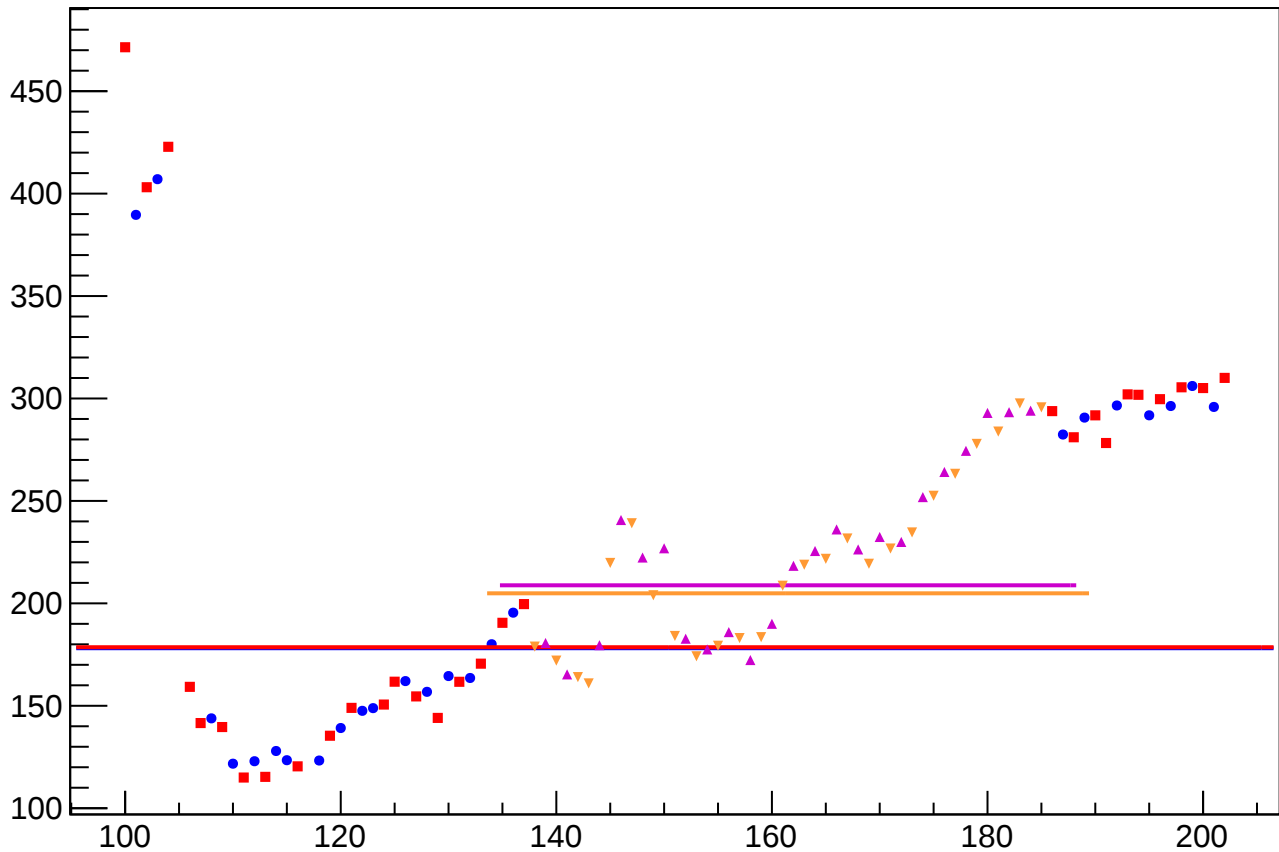
yield_bpm0i01WS_mean vs Slug



Right In: 152727.210+/-0.057 χ^2/NDF : 9324109348.5/23
 Left Out: 151313.284+/-0.049 χ^2/NDF : 3153768134.8/24
 Right Out: 153405.022+/-0.053 χ^2/NDF : 10810569407.4/28
 Left In: 151380.236+/-0.051 χ^2/NDF : 2363895785.3/22

+ sign 151906.355+/-0.037 χ^2/NDF : 12831678512.6
 All: 152130.004+/-0.026 χ^2/NDF : 268290929.6
 - sign 152351.589+/-0.037 χ^2/NDF : 13925047175.6

yield_bpm0i01WS_rms vs Slug



Right In: 178.103 $\pm$ 0.040 χ^2 /NDF: 2968949.4/23

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

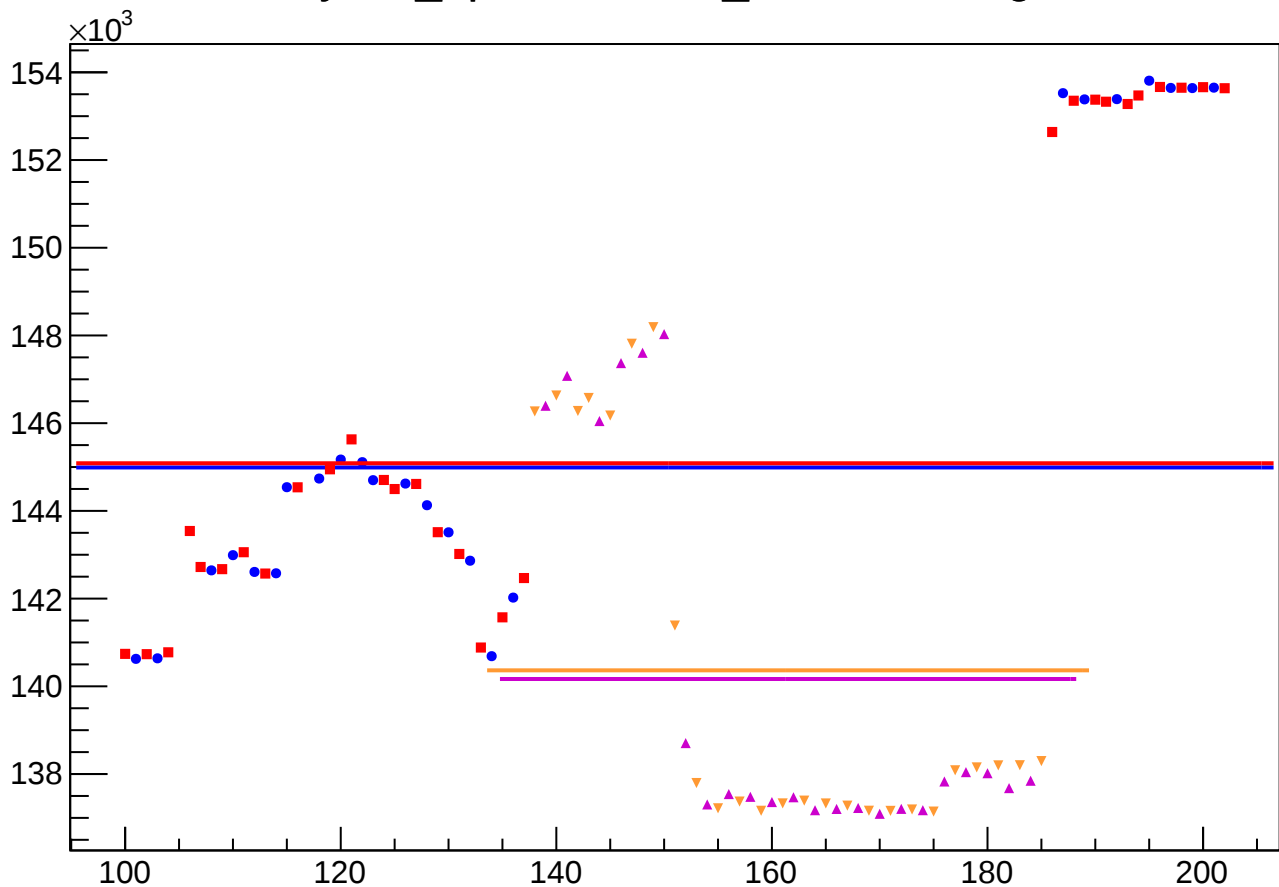
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 193.660 $\pm$ 0.026 χ^2 /NDF: 4279486.1/48

All: 193.986 $\pm$ 0.019 χ^2 /NDF: 9361220.5/100

- sign 194.310 $\pm$ 0.026 χ^2 /NDF: 5081426.1/51

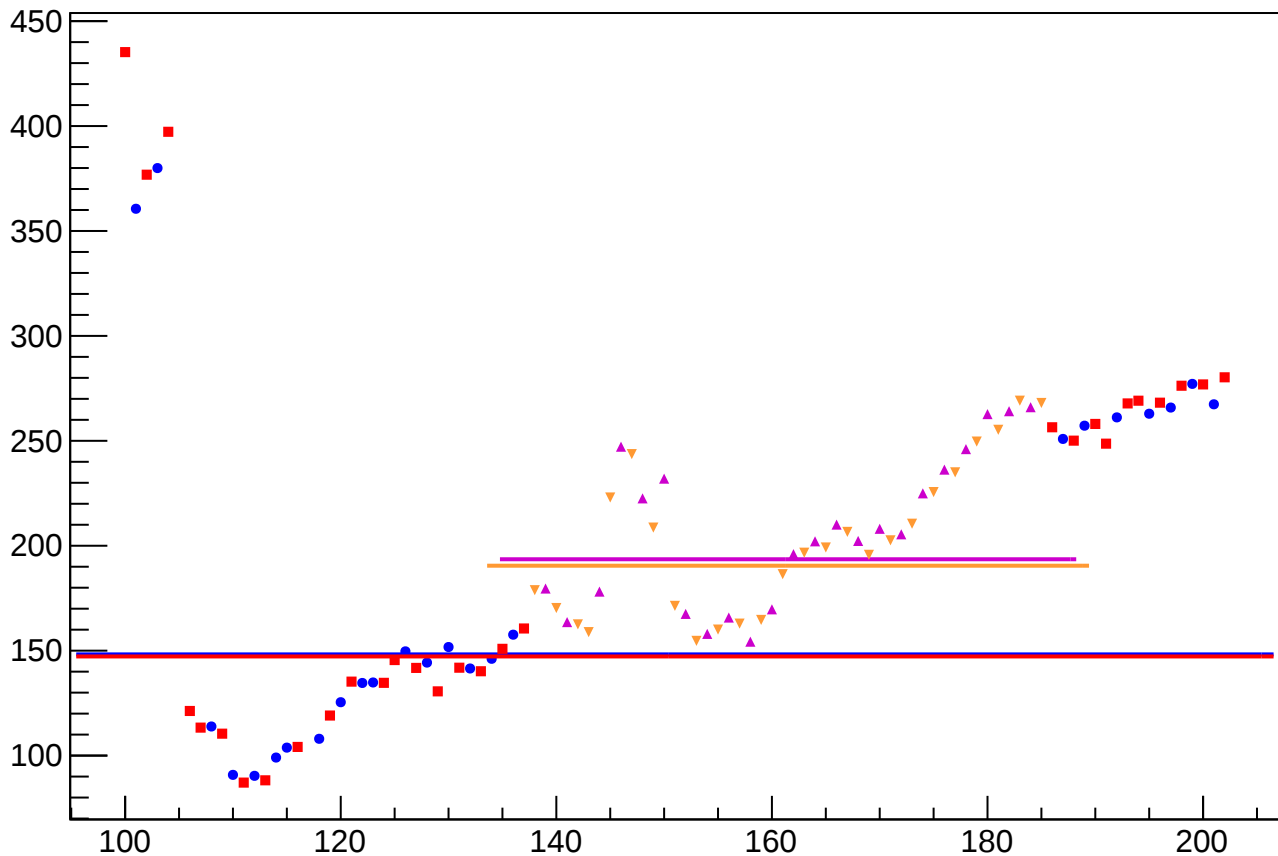
yield_bpm0i01aWS_mean vs Slug



Right In: 144990.127+/-0.048 χ^2/NDF : 6396109229.2/23
 Left Out: 140364.444+/-0.045 χ^2/NDF : 8677078677.7/24
 Right Out: 145085.957+/-0.045 χ^2/NDF : 8204230604.2/28
 Left In: 140166.971+/-0.047 χ^2/NDF : 8028464654.6/22

+ sign 142517.087+/-0.033 χ^2/NDF : 19943140874.
 All: 142651.726+/-0.023 χ^2/NDF : 419209590.
 - sign 142781.631+/-0.032 χ^2/NDF : 21945235090.9

yield_bpm0i01aWS_rms vs Slug



Right In: 148.223+/-0.034 χ^2/NDF : 3616270.8/23

Left Out: 190.486+/-0.032 χ^2/NDF : 950233.2/24

Right Out: 147.242+/-0.031 χ^2/NDF : 4545317.6/28

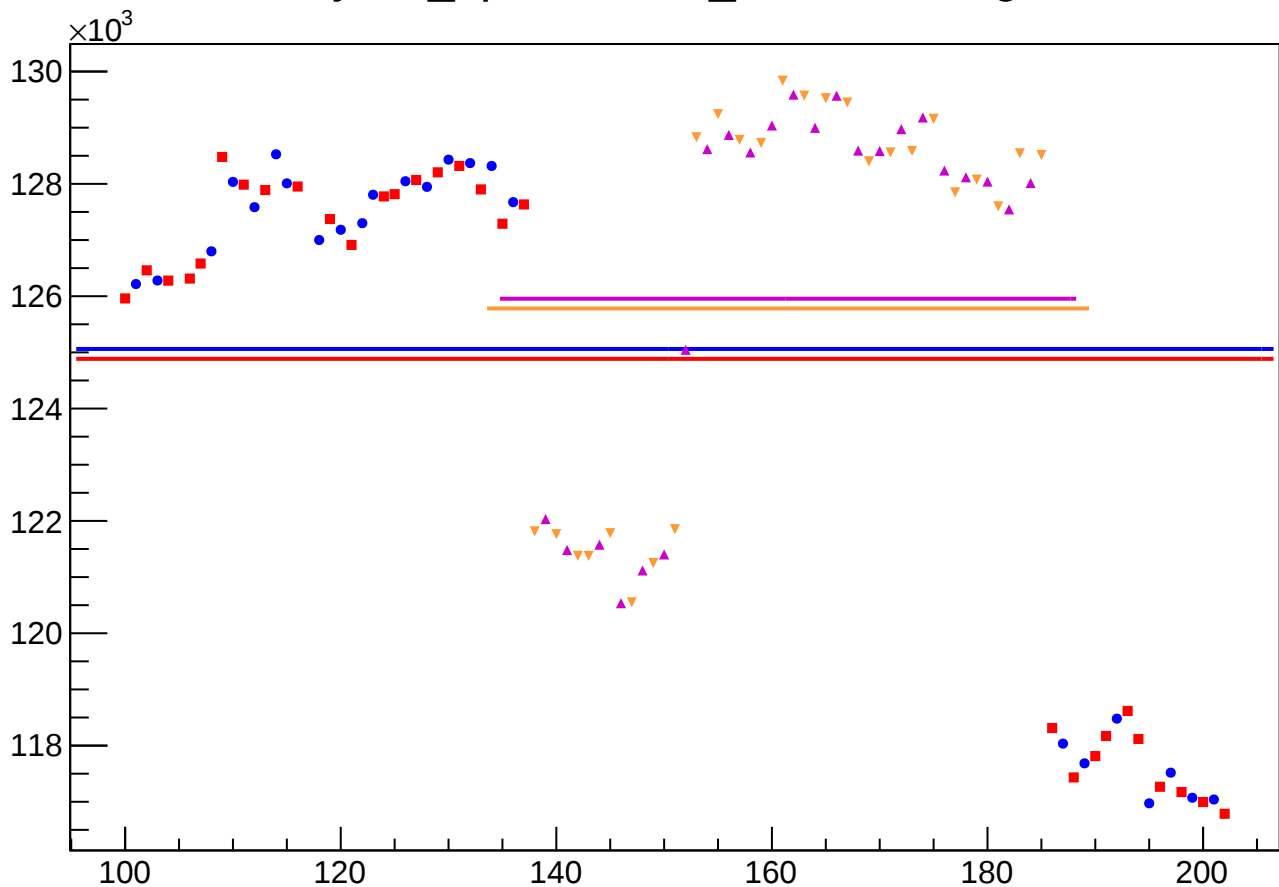
Left In: 193.558+/-0.034 χ^2/NDF : 963675.0/22

+ sign 170.818+/-0.023 χ^2/NDF : 5379563.4/48

All: 169.862+/-0.016 χ^2/NDF : 11904774.0/10

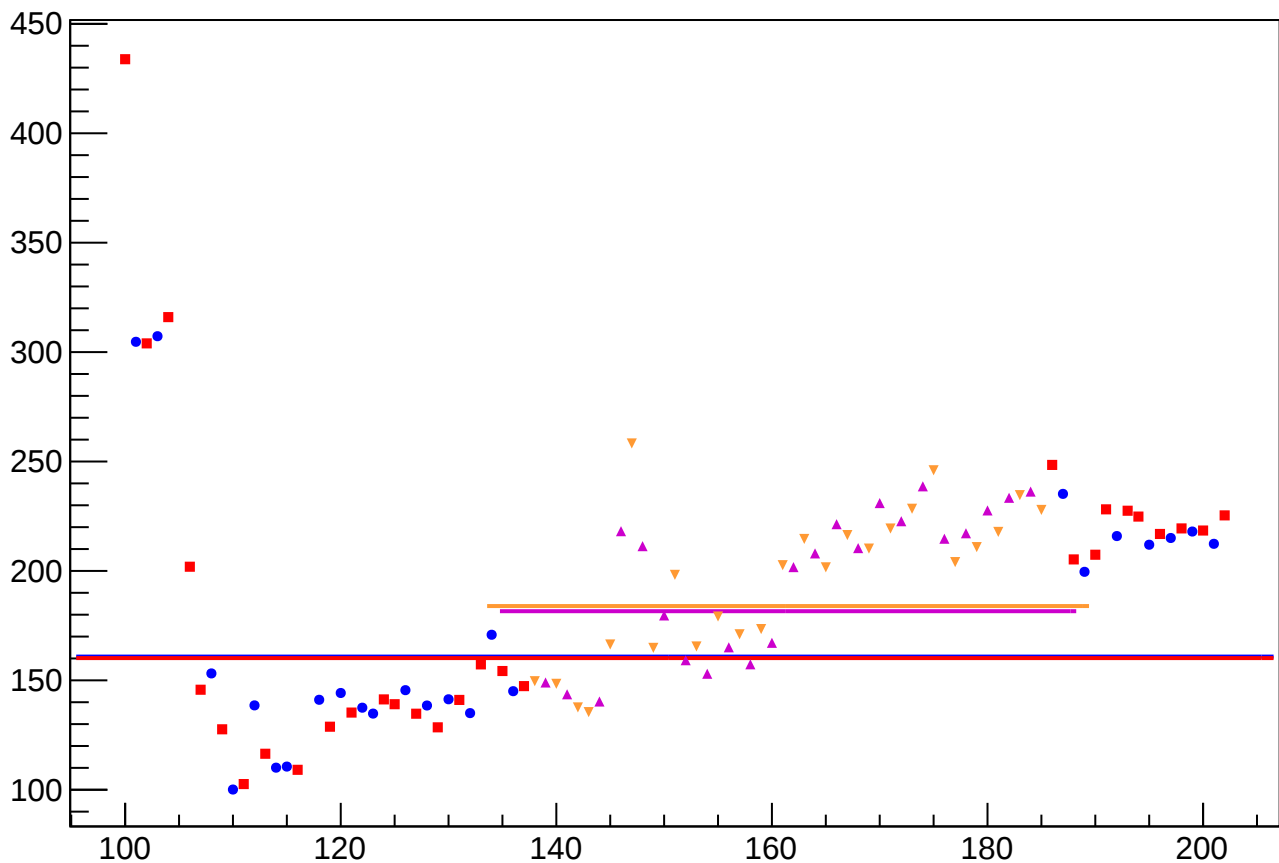
- sign 168.939+/-0.023 χ^2/NDF : 6521922.3/51

yield_bpm0l01WS_mean vs Slug



Right In: 125060.860 $\pm$ 0.050	χ^2 /NDF: 8118816875.1/23	+ sign 125468.360 $\pm$ 0.033	χ^2 /NDF: 14965797022.2
Left Out: 125782.764 $\pm$ 0.044	χ^2 /NDF: 6729761889.8/24	All: 125452.648 $\pm$ 0.023	χ^2 /NDF: 308857280.0
Right Out: 124884.858 $\pm$ 0.046	χ^2 /NDF: 9839172391.7/28	- sign 125437.747 $\pm$ 0.032	χ^2 /NDF: 15919491745.4
Left In: 125955.637 $\pm$ 0.045	χ^2 /NDF: 5804088930.1/22		

yield_bpm0l01WS_rms vs Slug



Right In: 160.854 $\pm$ 0.035 χ^2 /NDF: 1612636.0/23

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

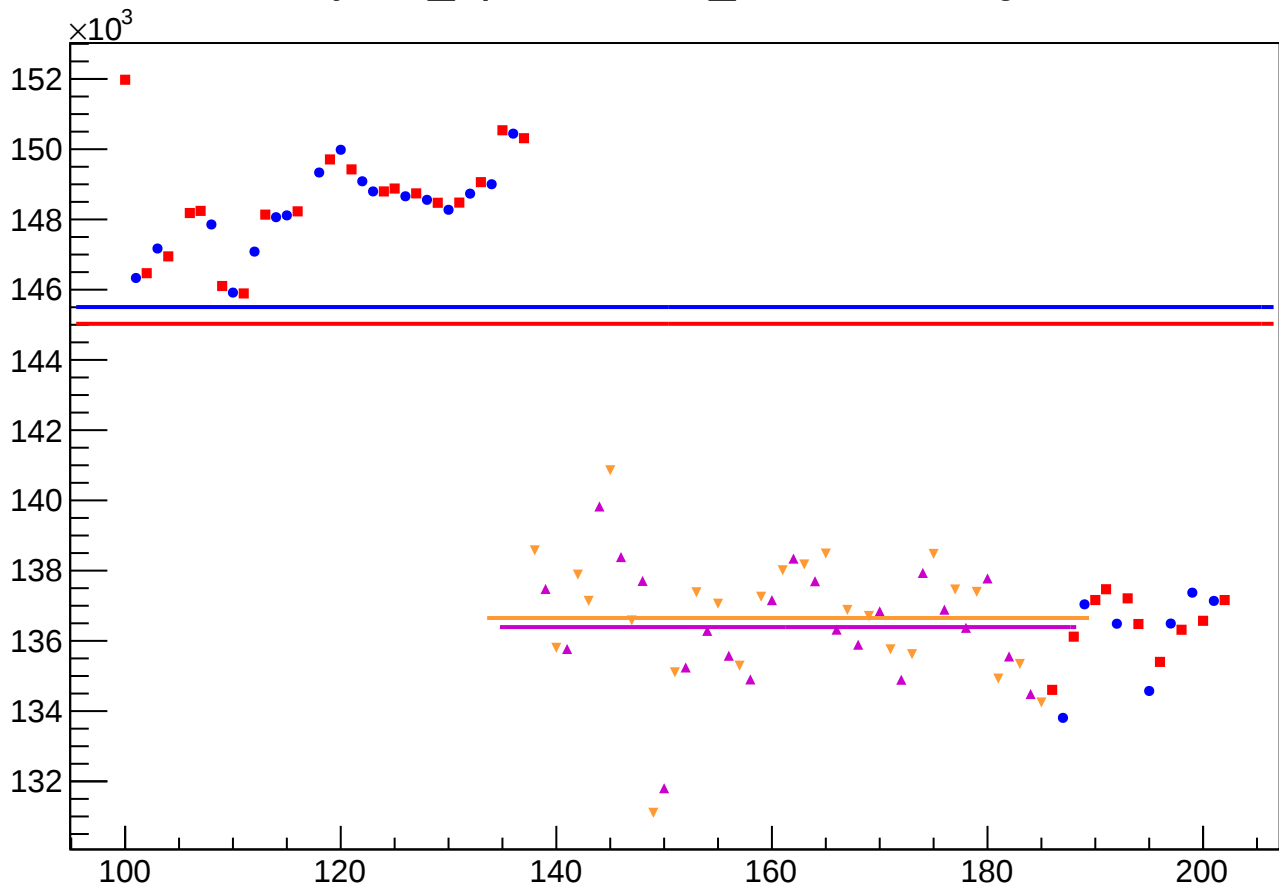
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF:1103524.3/22

+ sign 173.889 $\pm$ 0.023 χ^2 /NDF: 2975722.9/48

All: 172.526 $\pm$ 0.016 χ^2 /NDF: 6573020.5/100

- sign 171.232 $\pm$ 0.023 χ^2 /NDF: 3590668.1/51

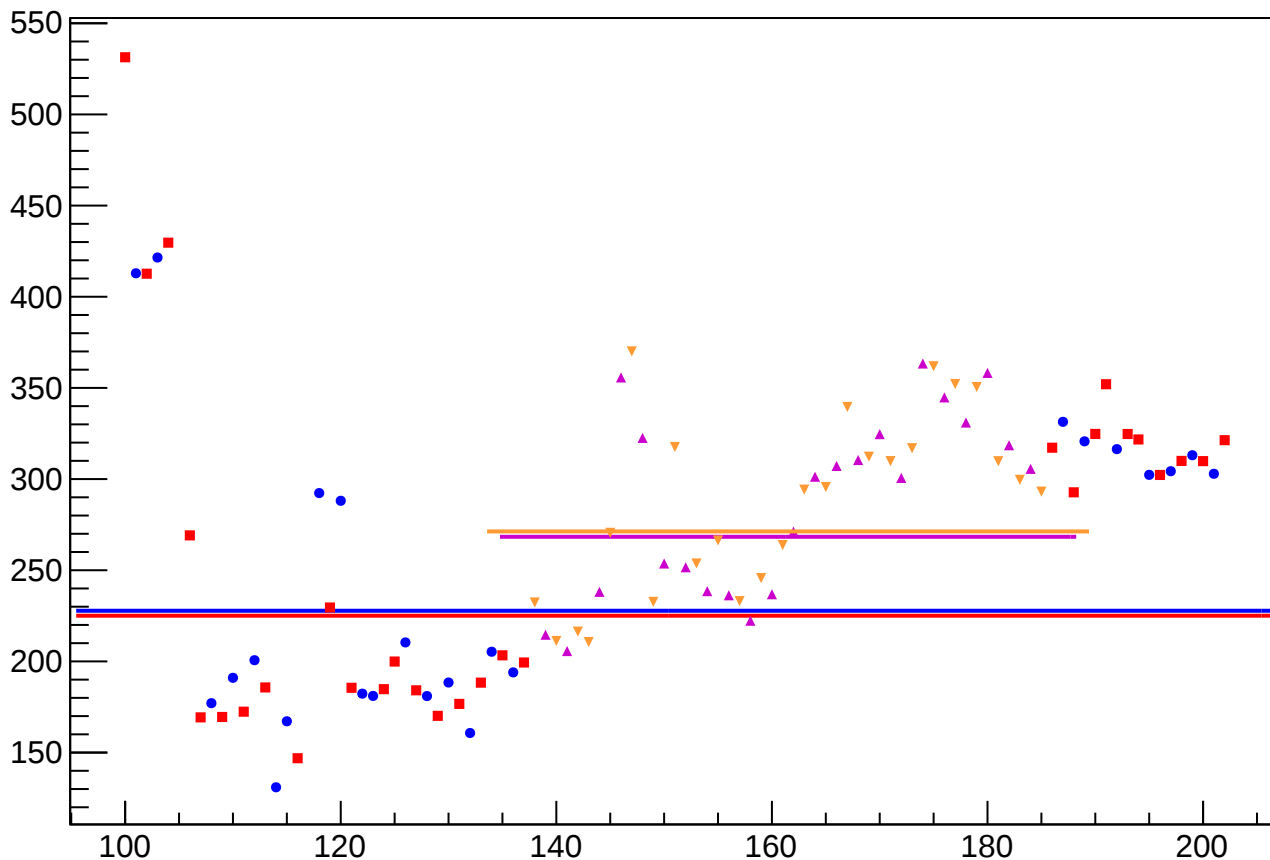
yield_bpm0l02WS_mean vs Slug



Right In: 145505.346 $\pm$ 0.071 χ^2 /NDF: 5691236268.2/23
 Left Out: 136650.935 $\pm$ 0.065 χ^2 /NDF: 930649595.5/24
 Right Out: 145028.369 $\pm$ 0.065 χ^2 /NDF: 7002510120.9/28
 Left In: 136392.188 $\pm$ 0.066 χ^2 /NDF: 701986841.4/22

+ sign 140644.759 $\pm$ 0.048 χ^2 /NDF: 15089011779.
 All: 140706.770 $\pm$ 0.033 χ^2 /NDF: 31474698
 - sign 140764.877 $\pm$ 0.046 χ^2 /NDF: 16382438148.8

yield_bpm0l02WS_rms vs Slug



Right In: 227.784 ± 0.050 $\chi^2/\text{NDF}: 1818995.9/23$

Left Out: 271.295 ± 0.046 $\chi^2/\text{NDF}: 1064485.7/24$

Right Out: 225.067 ± 0.046 $\chi^2/\text{NDF}: 2229696.1/28$

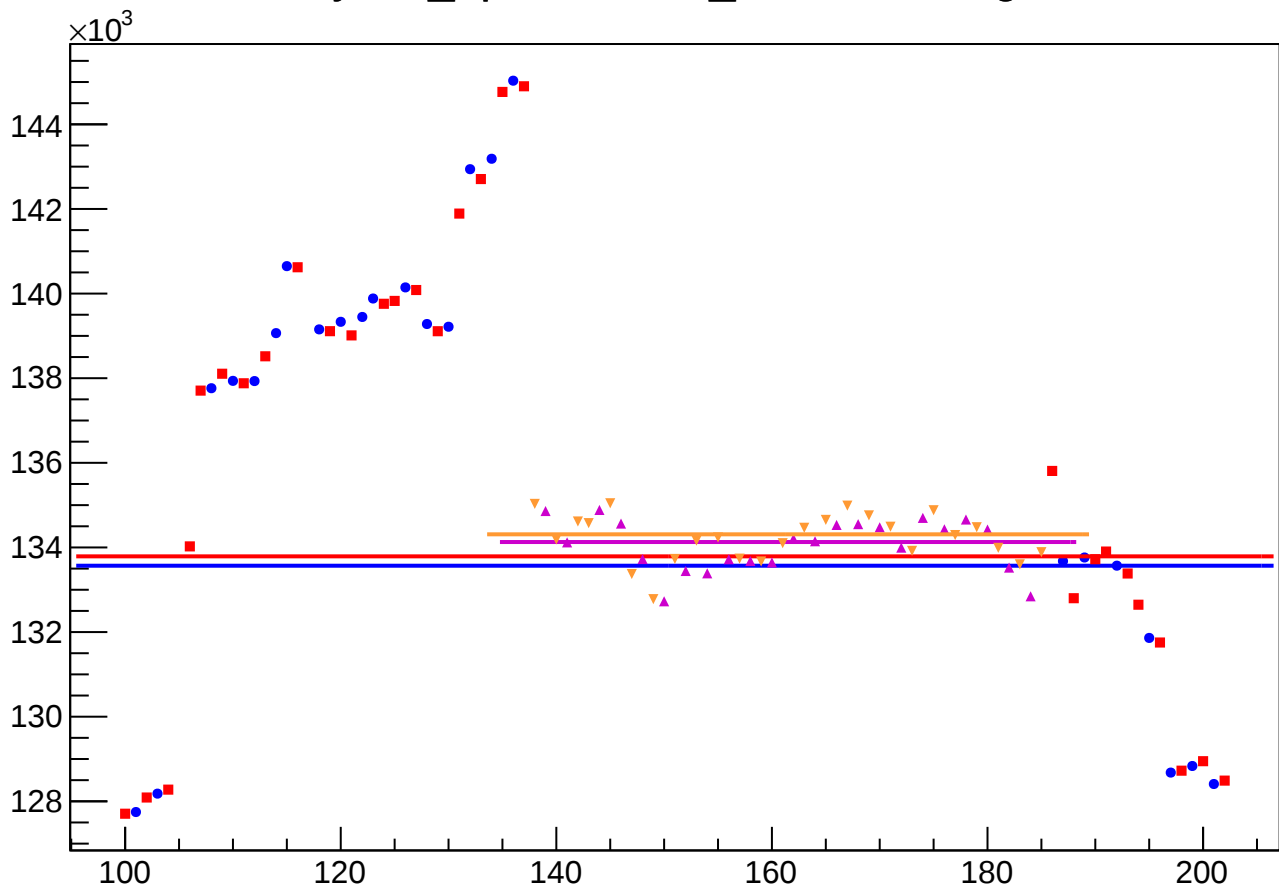
Left In: 268.344 ± 0.047 $\chi^2/\text{NDF}: 1077364.0/22$

+ sign 251.669 ± 0.034 $\chi^2/\text{NDF}: 3292401.2/48$

All: 248.966 ± 0.024 $\chi^2/\text{NDF}: 7047627.3/100$

- sign 246.432 ± 0.033 $\chi^2/\text{NDF}: 3742871.9/51$

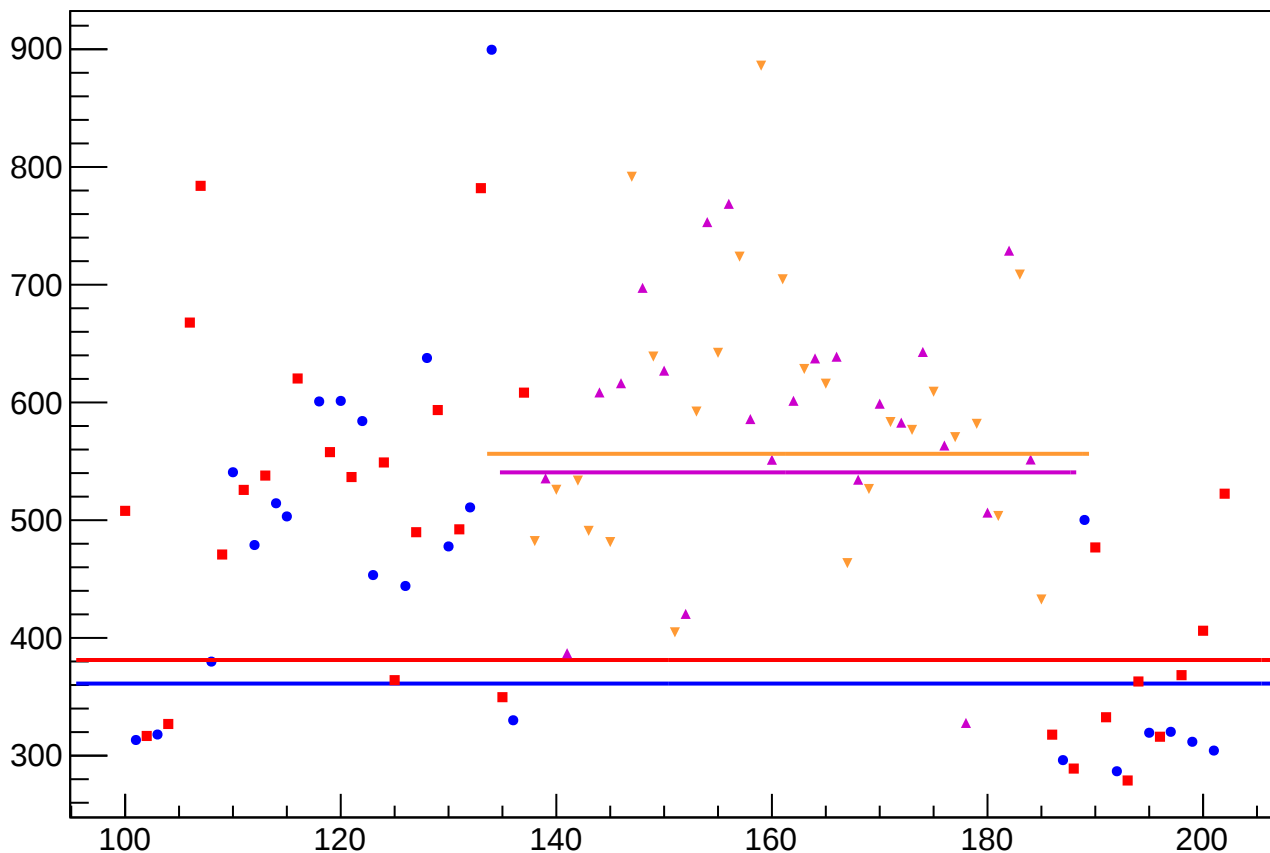
yield_bpm0l03WS_mean vs Slug



Right In: 133568.237 ± 0.120 $\chi^2/\text{NDF}: 2274884113.0/23$
 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 133886.904 ± 0.091 $\chi^2/\text{NDF}: 2306765446.9/23$
 All: 133908.333 ± 0.064 $\chi^2/\text{NDF}: 381698500.0/23$
 - sign 133930.073 ± 0.091 $\chi^2/\text{NDF}: 1510107419.7/23$

yield_bpm0l03WS_rms vs Slug



Right In: 361.228 ± 0.085 $\chi^2/\text{NDF}: 1251917.0/23$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 381.246 ± 0.085 $\chi^2/\text{NDF}: 1602348.9/28$

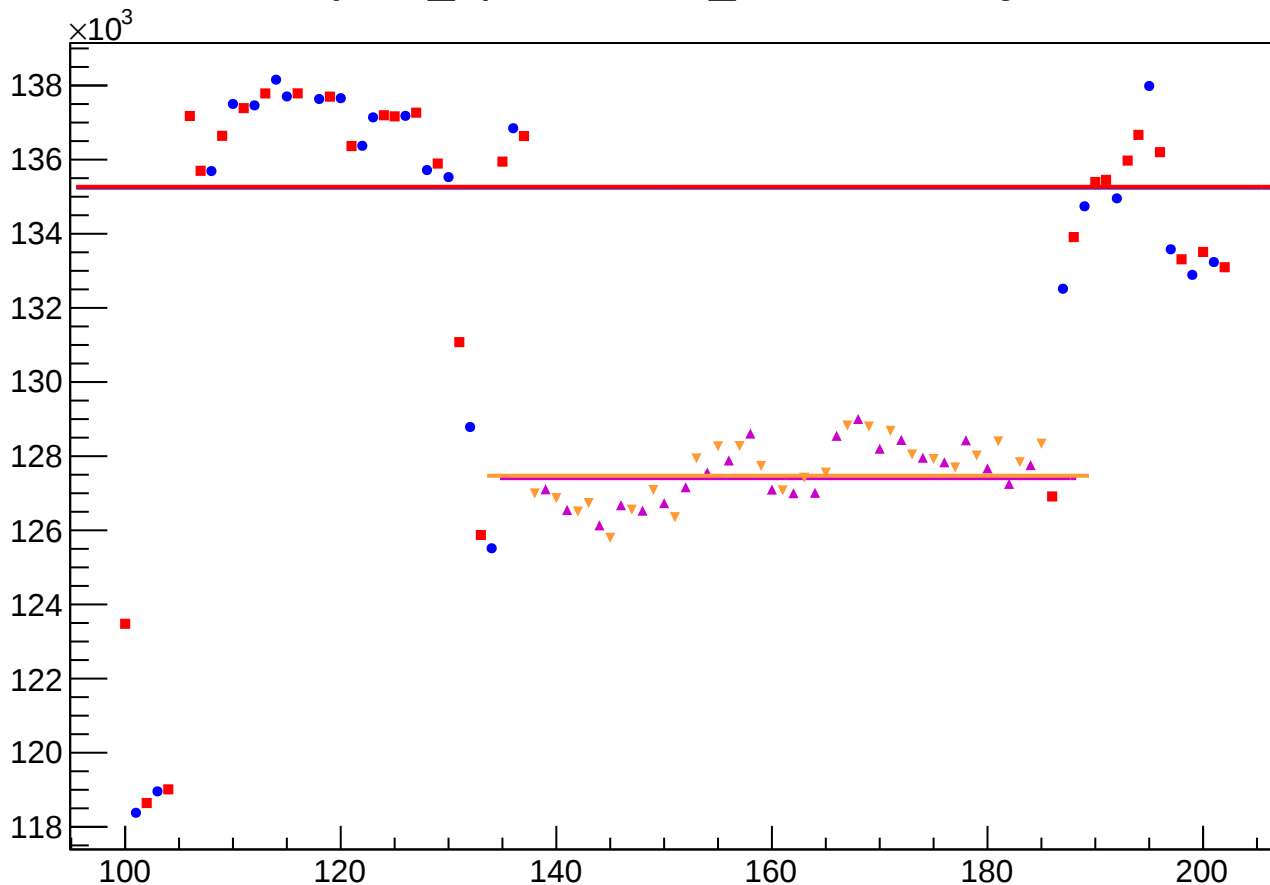
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 445.039 ± 0.064 $\chi^2/\text{NDF}: 4517666.6/48$

All: 446.193 ± 0.046 $\chi^2/\text{NDF}: 9003786.4/100$

- sign 447.363 ± 0.065 $\chi^2/\text{NDF}: 4485469.2/51$

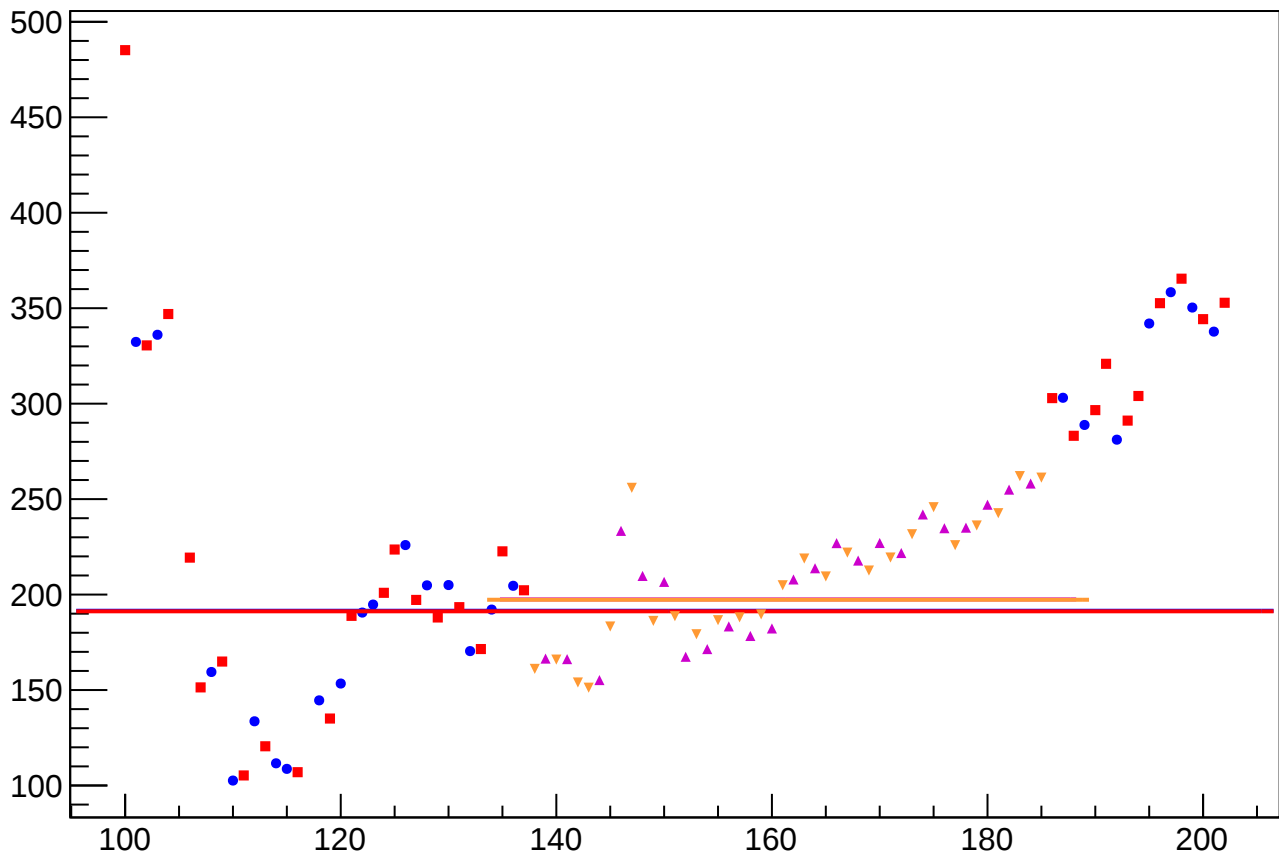
yield_bpm0l04WS_mean vs Slug



Right In: 135246.793 $\pm$ 0.062 χ^2 /NDF: 4731170294.2/23
 Left Out: 127472.525 $\pm$ 0.047 χ^2 /NDF: 303609315.6/24
 Right Out: 135266.554 $\pm$ 0.057 χ^2 /NDF: 5143134158.1/28
 Left In: 127406.911 $\pm$ 0.048 χ^2 /NDF: 269927988.0/22

+ sign 130291.108 $\pm$ 0.037 χ^2 /NDF: 15015553744.
 All: 130481.408 $\pm$ 0.026 χ^2 /NDF: 314362489.
 - sign 130667.514 $\pm$ 0.037 χ^2 /NDF: 16369512495.9

yield_bpm0l04WS_rms vs Slug



Right In: 191.529 $\pm$ 0.044 χ^2 /NDF: 3146440.0/23

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

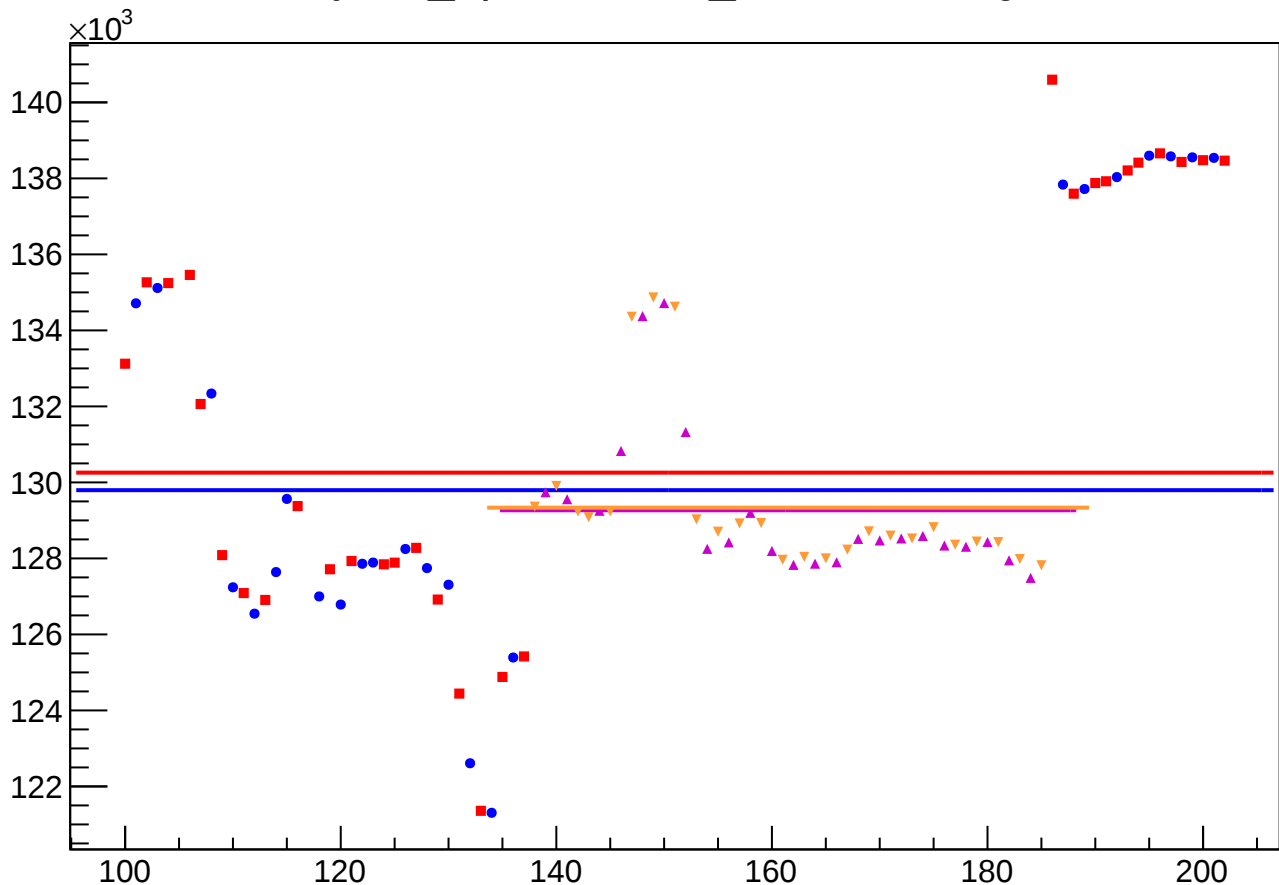
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 195.201 $\pm$ 0.026 χ^2 /NDF: 4009422.5/48

All: 195.040 $\pm$ 0.019 χ^2 /NDF: 8782218.2/100

- sign 194.883 $\pm$ 0.026 χ^2 /NDF: 4772722.7/51

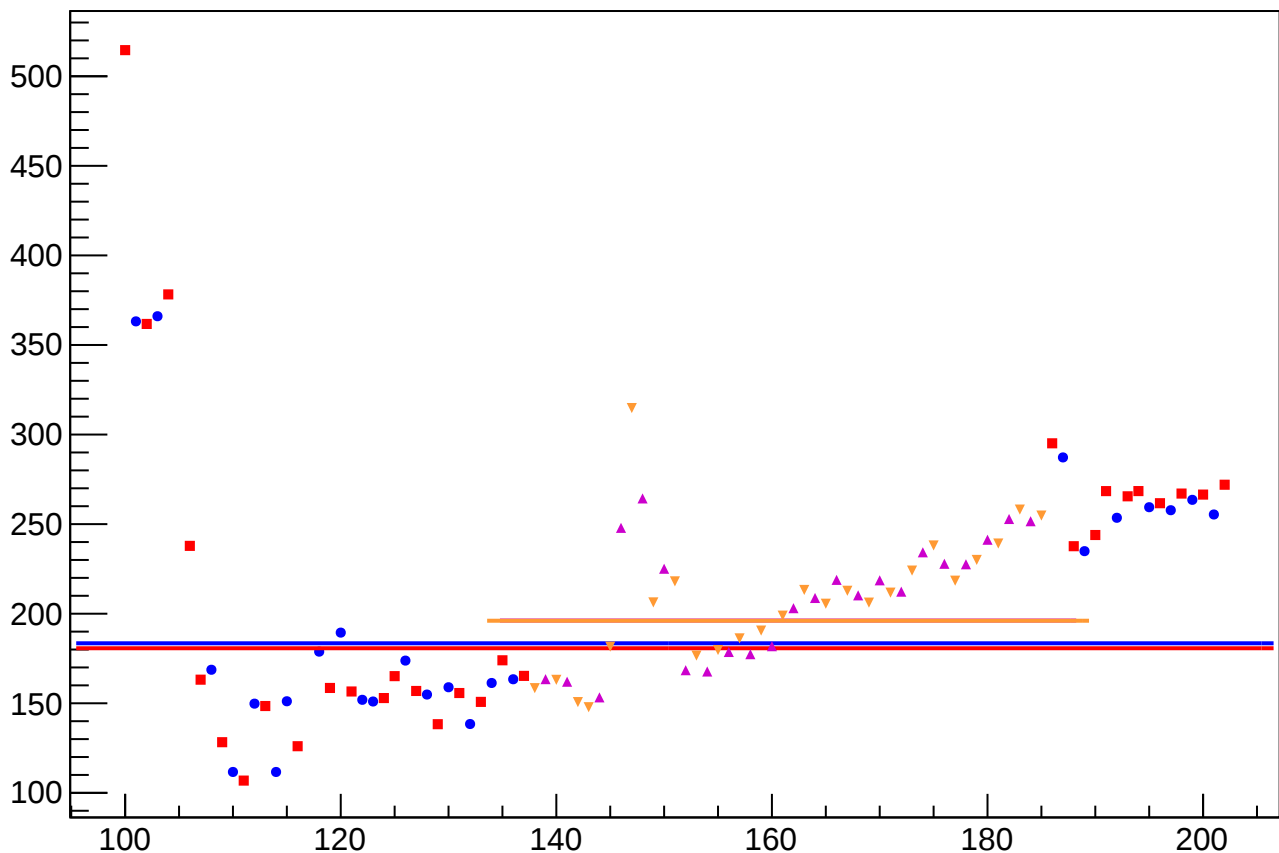
yield_bpm0l05WS_mean vs Slug



Right In: 129795.462 $\pm$ 0.058 χ^2 /NDF: 8626865997.5/23
 Left Out: 129335.946 $\pm$ 0.047 χ^2 /NDF: 1450933621.0/24
 Right Out: 130257.179 $\pm$ 0.053 χ^2 /NDF: 10246723466.1/28
 Left In: 129266.909 $\pm$ 0.048 χ^2 /NDF: 1213762773.1/22

+ sign 129517.196 $\pm$ 0.036 χ^2 /NDF: 10115944868.
 All: 129617.866 $\pm$ 0.025 χ^2 /NDF: 217826482.
 - sign 129714.601 $\pm$ 0.036 χ^2 /NDF: 11651673328.0

yield_bpm0l05WS_rms vs Slug



Right In: 183.485 $\pm$ 0.041 χ^2 /NDF: 1943098.0/23

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

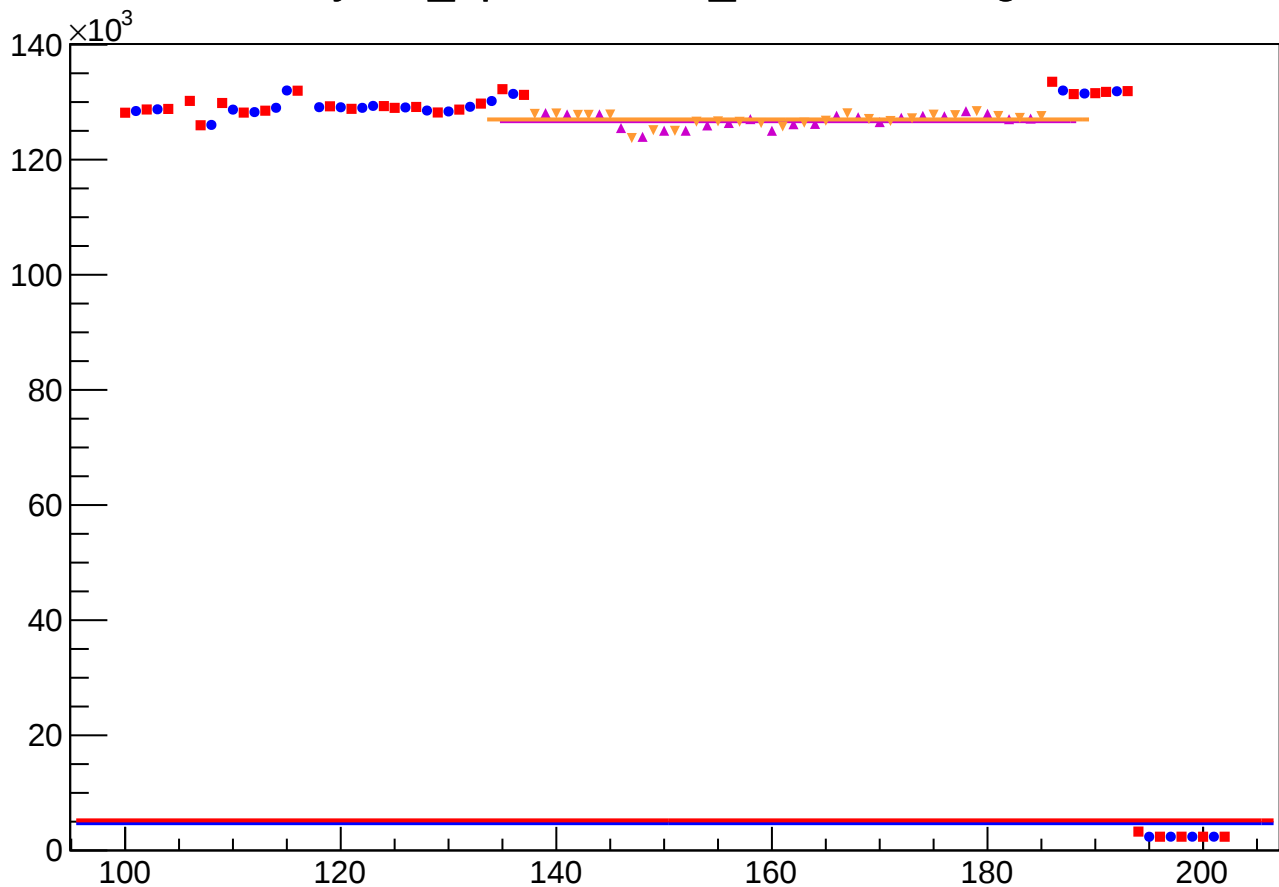
Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

+ sign 191.111 $\pm$ 0.026 χ^2 /NDF: 2976097.0/48

All: 190.132 $\pm$ 0.018 χ^2 /NDF: 6719914.8/100

- sign 189.192 $\pm$ 0.025 χ^2 /NDF: 3740978.1/51

yield_bpm0l06WS_mean vs Slug



Right In: 4737.386 $\pm$ 0.008 χ^2 /NDF: 4840411341935.4/23

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

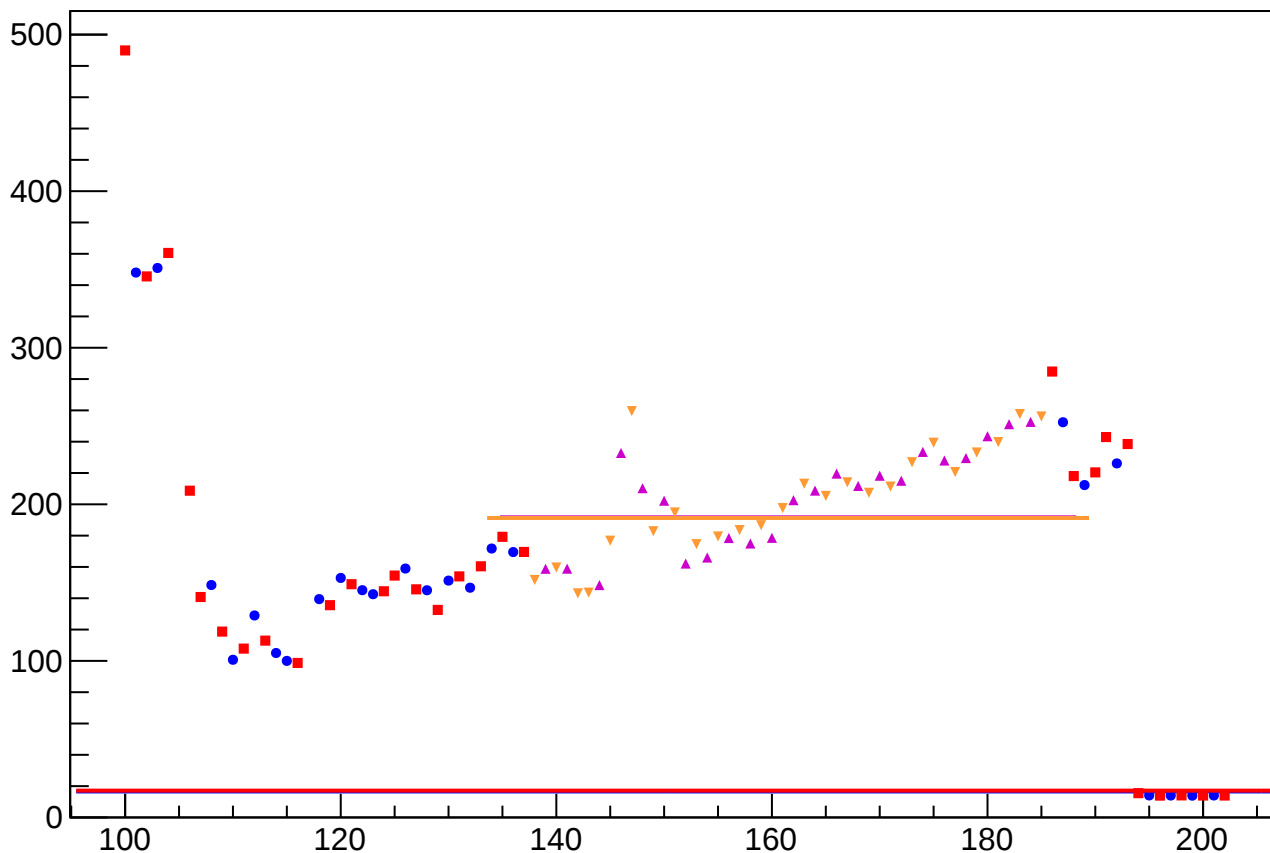
Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22

+ sign 8202.981 $\pm$ 0.008 χ^2 /NDF: 11847633619885

All: 8310.080 $\pm$ 0.005 χ^2 /NDF: 24107276735

- sign 8415.873 $\pm$ 0.008 χ^2 /NDF: 12259255017822

yield_bpm0l06WS_rms vs Slug



Right In: 16.599 ± 0.005 χ^2/NDF : 13190309.0/23

Left Out: 191.263 ± 0.032 χ^2/NDF : 992566.2/24

Right Out: 17.137 ± 0.005 χ^2/NDF : 15439279.3/28

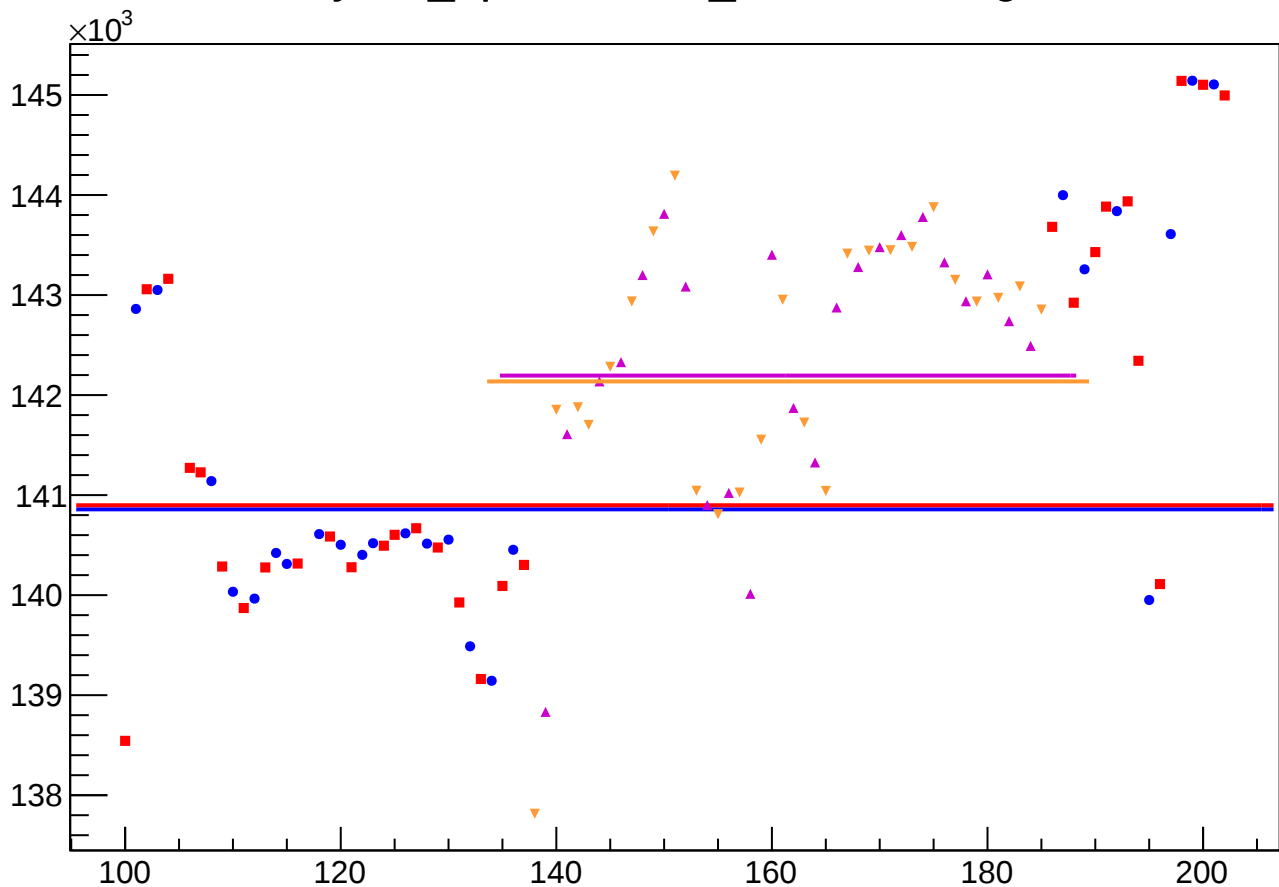
Left In: 191.683 ± 0.033 χ^2/NDF : 864384.9/22

+ sign 21.550 ± 0.005 χ^2/NDF : 42791303.9/48

All: 21.638 ± 0.004 χ^2/NDF : 85962538.0/100

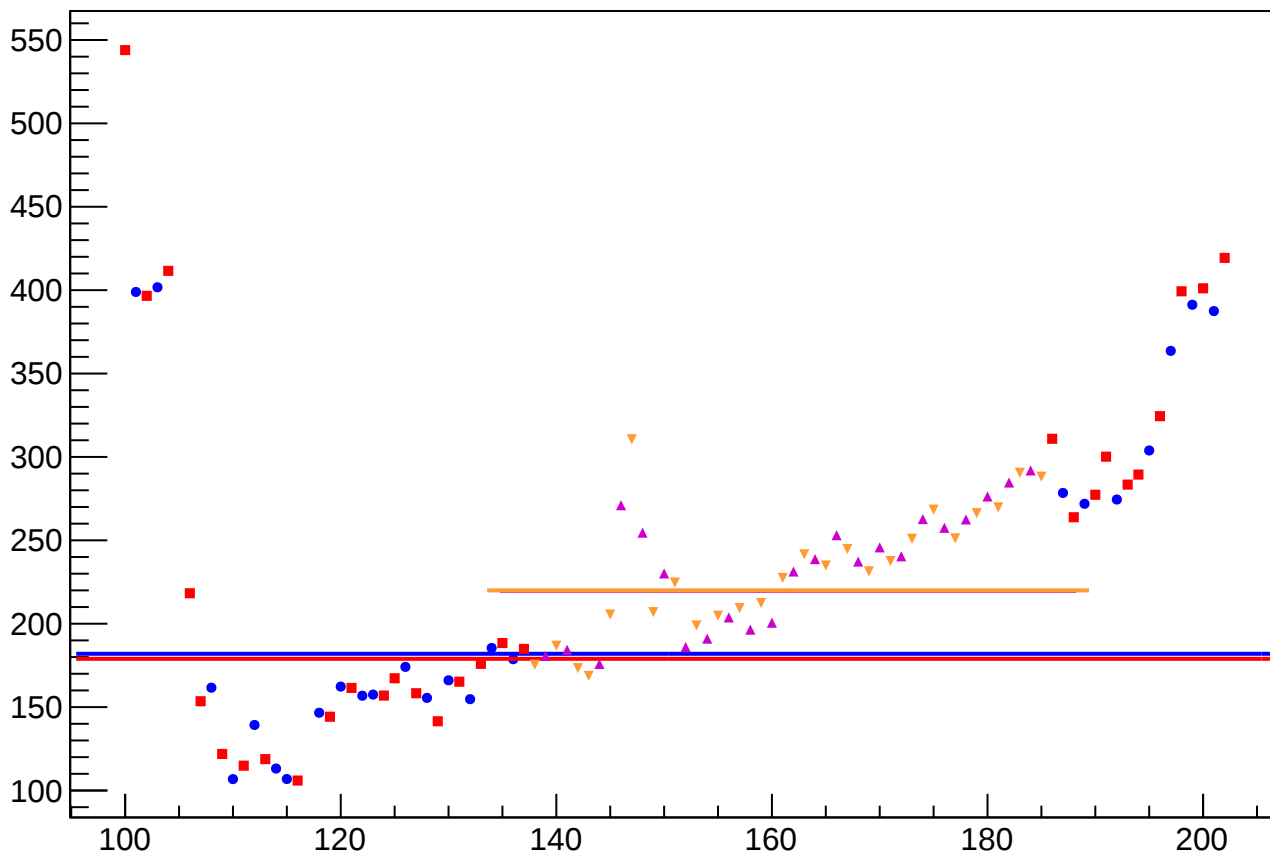
- sign 21.724 ± 0.005 χ^2/NDF : 43170719.2/51

yield_bpm0l07WS_mean vs Slug



Right In: 140857.641 $\pm$ 0.059 χ^2 /NDF: 544532644.9/23
 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 141574.893 $\pm$ 0.039 χ^2 /NDF: 1622478463.8
 All: 141561.884 $\pm$ 0.027 χ^2 /NDF: 320512973
 - sign 141549.543 $\pm$ 0.038 χ^2 /NDF: 1582436479.2

yield_bpm0l07WS_rms vs Slug



Right In: 181.973 $\pm$ 0.042 χ^2 /NDF: 3356794.7/23

Left Out: 219.969 $\pm$ 0.037 χ^2 /NDF: 866616.3/24

Right Out: 178.956 $\pm$ 0.038 χ^2 /NDF: 4380336.0/28

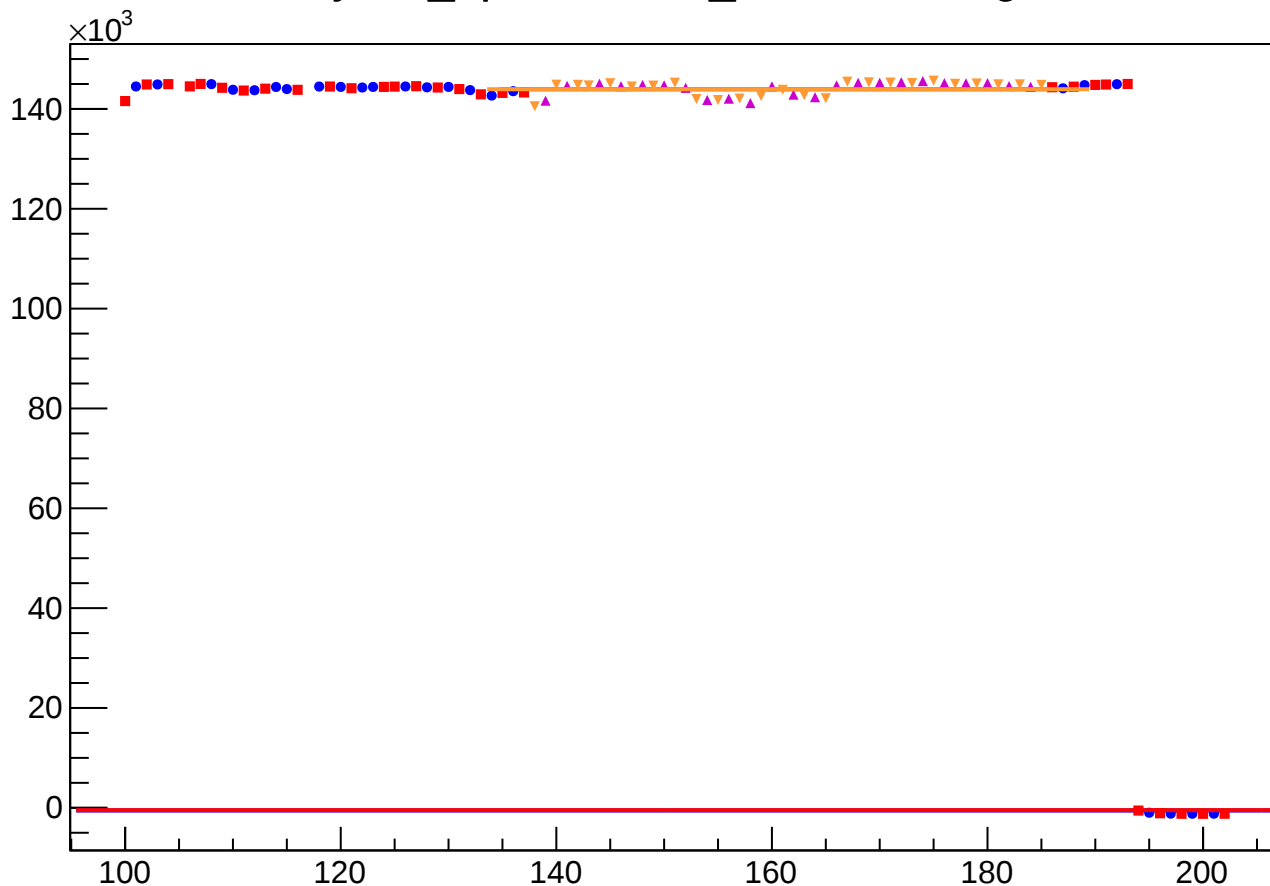
Left In: 219.685 $\pm$ 0.038 χ^2 /NDF: 812745.1/22

+ sign 203.282 $\pm$ 0.028 χ^2 /NDF: 4686563.2/48

All: 201.293 $\pm$ 0.019 χ^2 /NDF: 10459073.0/10

- sign 199.406 $\pm$ 0.027 χ^2 /NDF: 5762465.5/51

yield_bpm0l08WS_mean vs Slug



Right In: -548.579 $\pm$ 0.004 χ^2 /NDF: 5283067071221.1/23

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

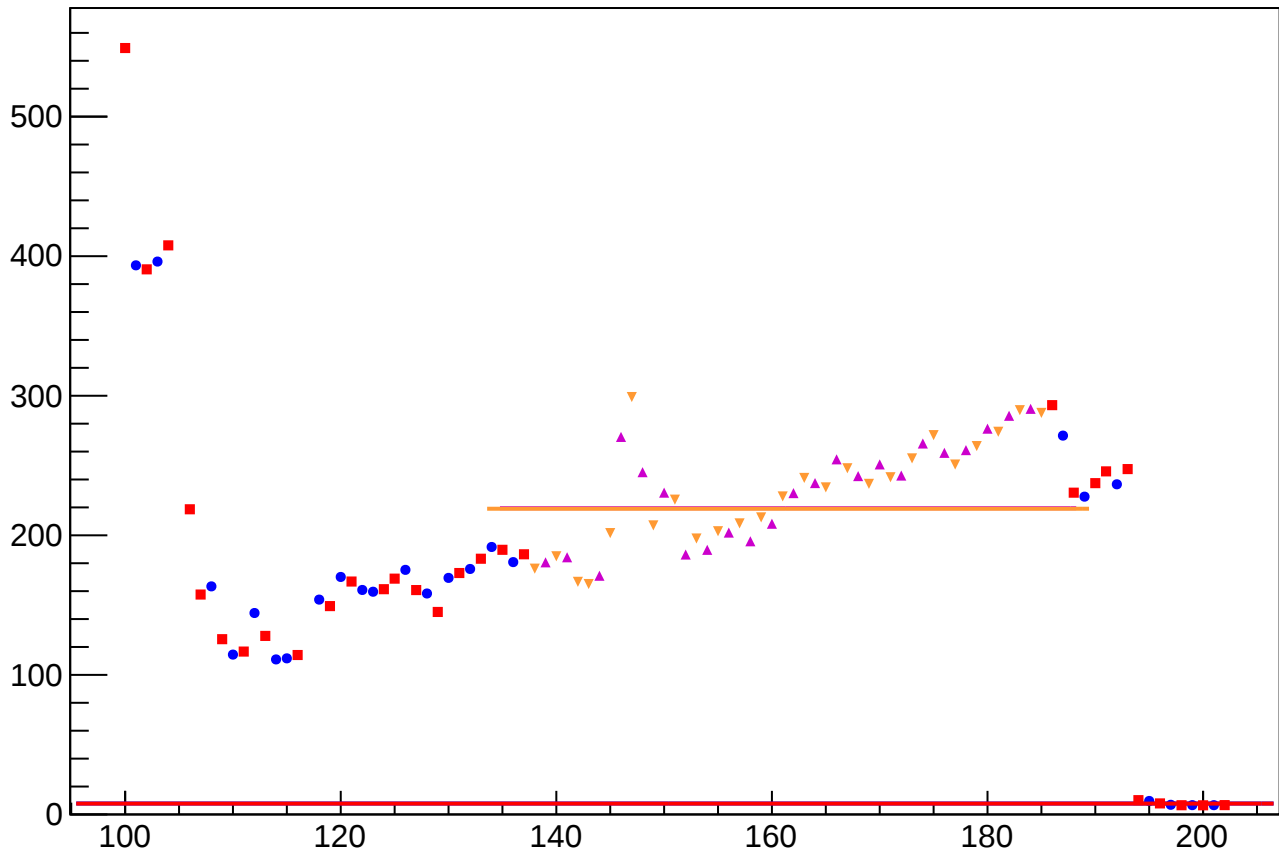
Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22

+ sign 323.454 $\pm$ 0.004 χ^2 /NDF: 12919405748712.

All: 310.687 $\pm$ 0.003 χ^2 /NDF: 26459910996

- sign 298.749 $\pm$ 0.004 χ^2 /NDF: 13540486020382.1

yield_bpm0l08WS_rms vs Slug



Right In: 7.849 ± 0.003 χ^2/NDF : 14837760.6/23

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 7.780 ± 0.003 χ^2/NDF : 17391415.9/28

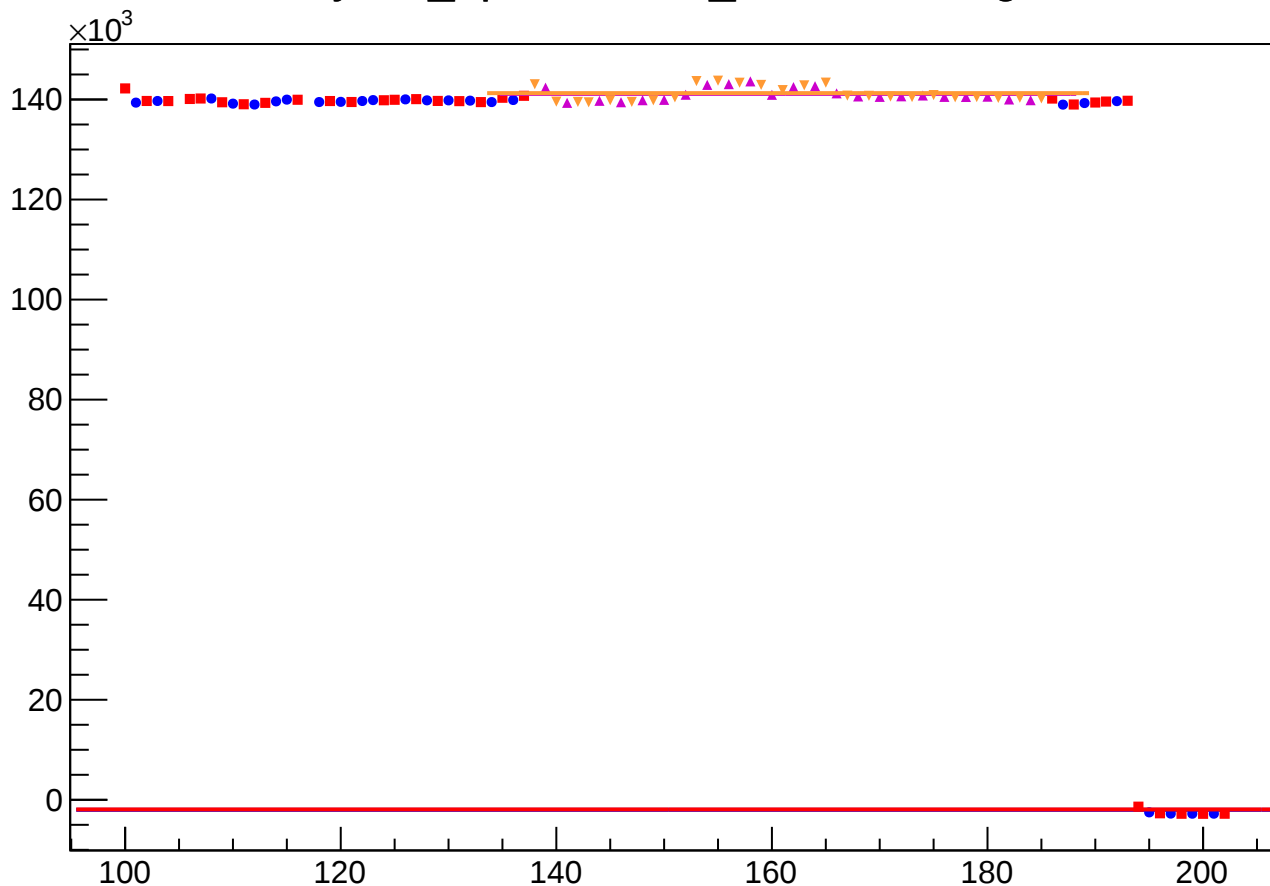
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 9.123 ± 0.003 χ^2/NDF : 48395140.9/48

All: 9.008 ± 0.002 χ^2/NDF : 97380750.7/100

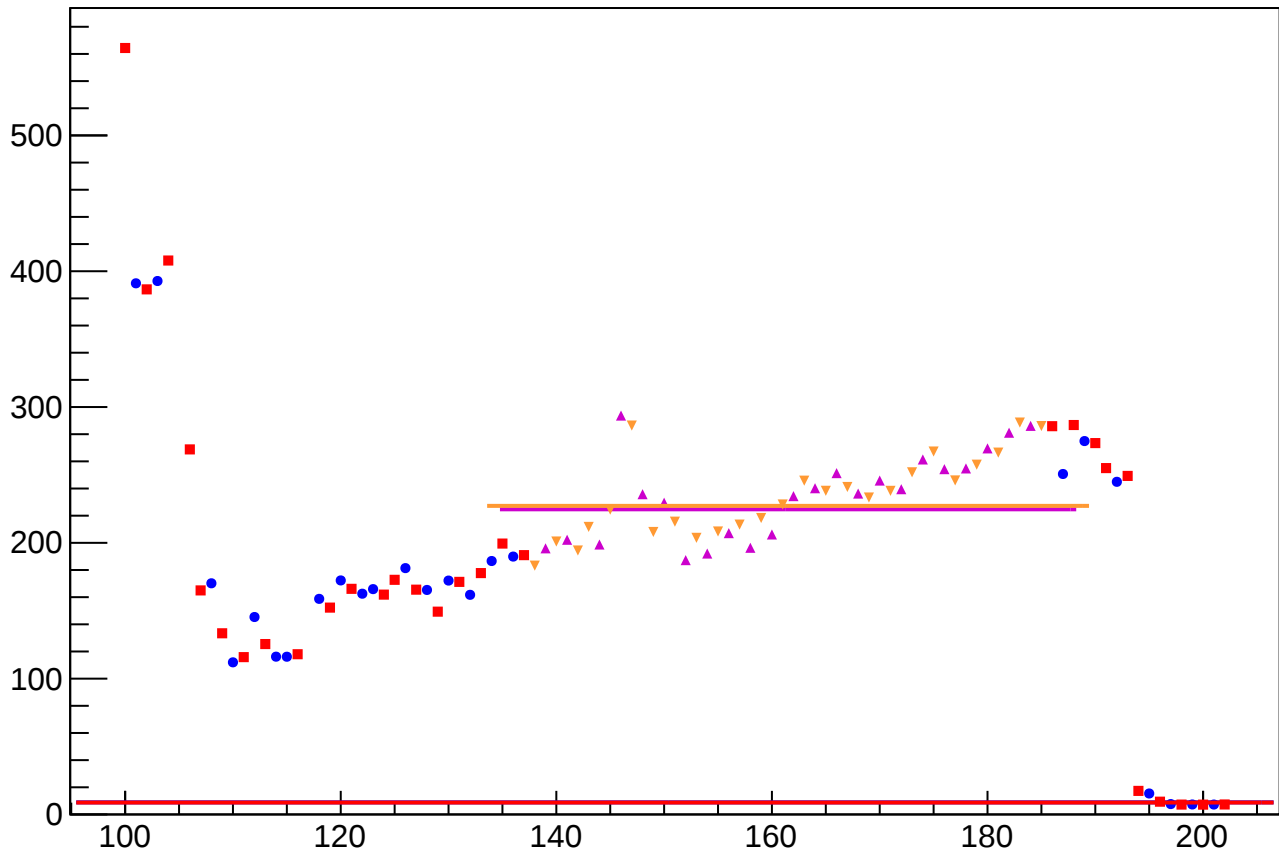
- sign 8.899 ± 0.003 χ^2/NDF : 48982456.3/51

yield_bpm0l09WS_mean vs Slug



Right In: -2002.566 $\pm$ 0.005 χ^2 /NDF: 4850015639375.5/23
 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 -925.649 $\pm$ 0.005 χ^2 /NDF: 11915775503998
 All: -957.105 $\pm$ 0.003 χ^2 /NDF: 24429427745
 - sign -985.906 $\pm$ 0.004 χ^2 /NDF: 12513564791442.

yield_bpm0l09WS_rms vs Slug



Right In: 8.902 ± 0.003 χ^2/NDF : 14959861.9/23

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 8.777 ± 0.003 χ^2/NDF : 17406263.7/28

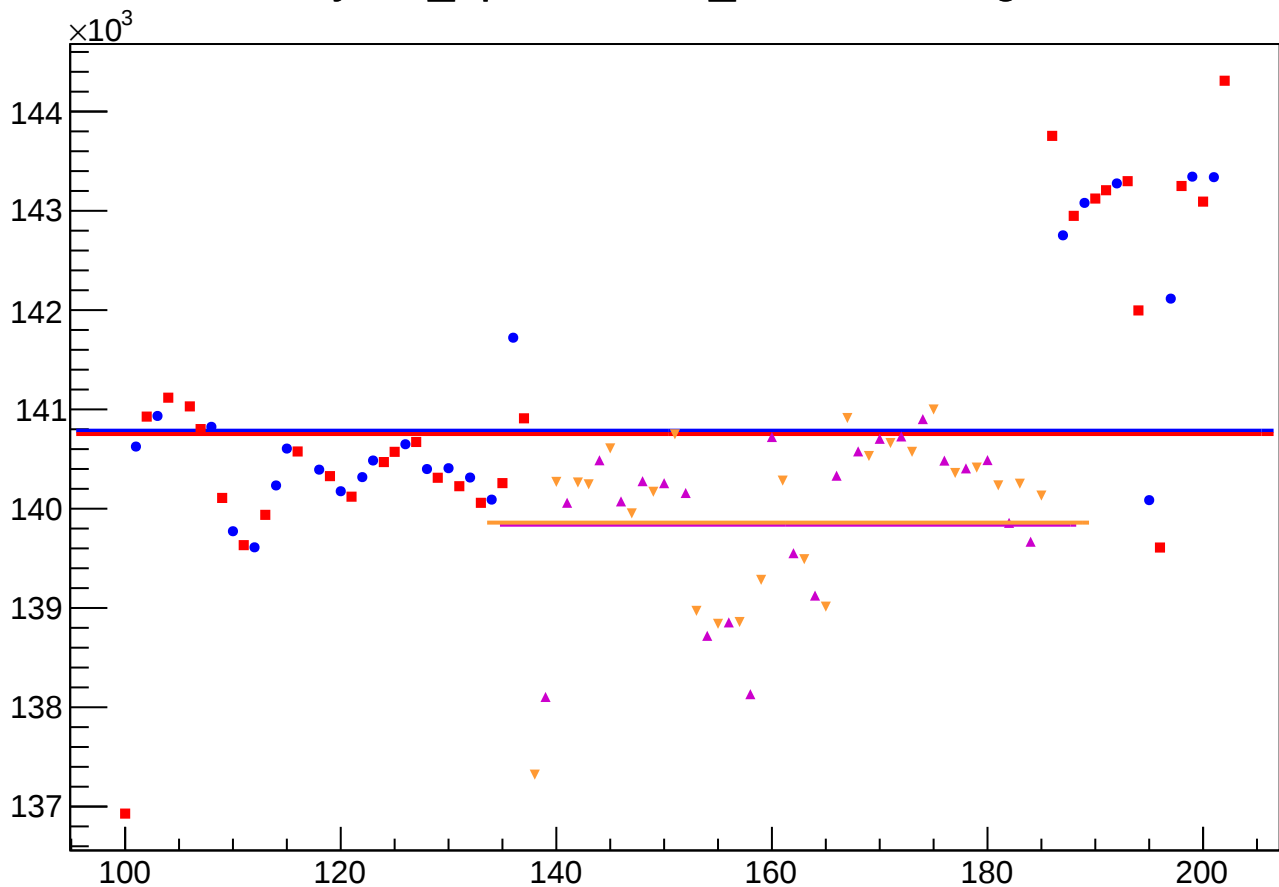
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 10.543 ± 0.003 χ^2/NDF : 48255507.3/48

All: 10.363 ± 0.002 χ^2/NDF : 96958996.4/100

- sign 10.198 ± 0.003 χ^2/NDF : 48697742.3/51

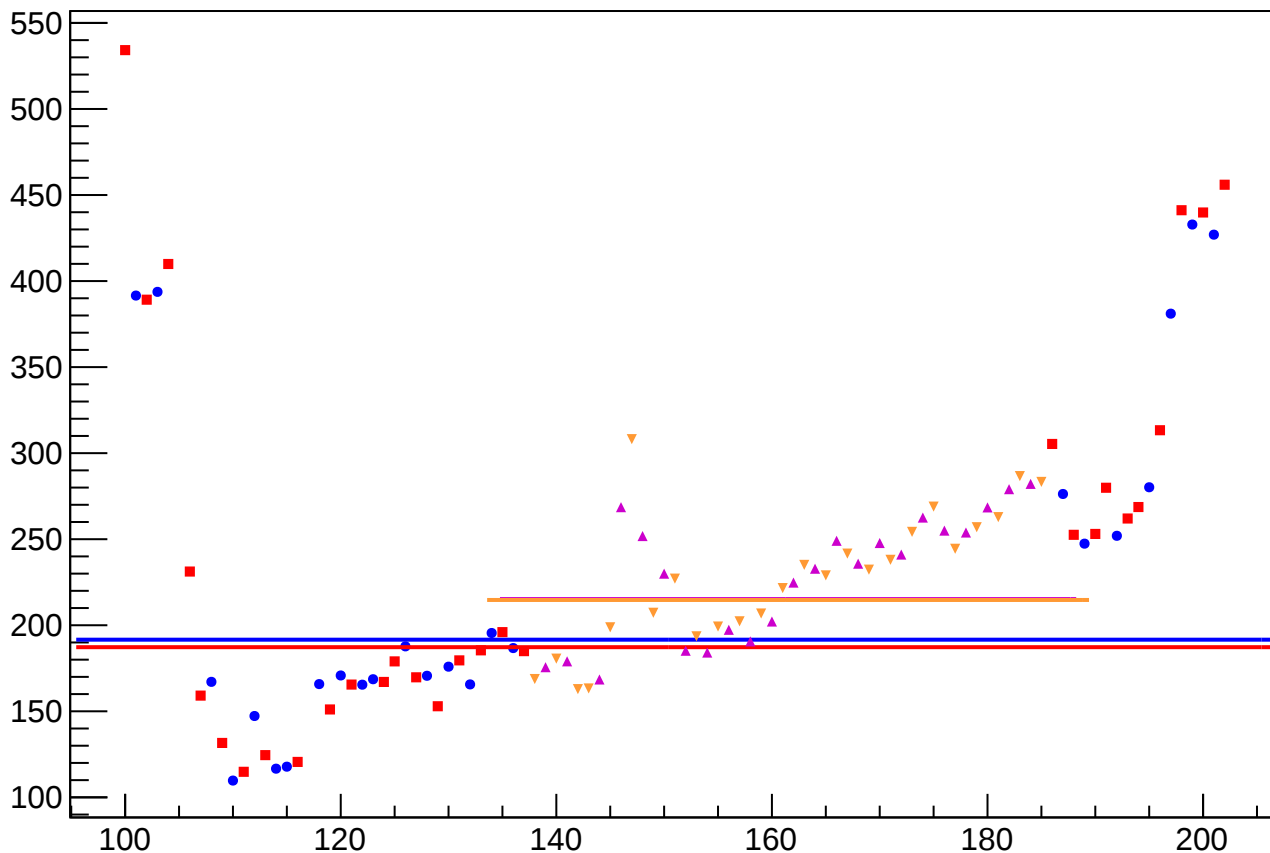
yield_bpm0l10WS_mean vs Slug



Right In: 140785.643 ± 0.062 $\chi^2/\text{NDF}: 307257669.5/23$
 Left Out: 139859.696 ± 0.051 $\chi^2/\text{NDF}: 330118281.5/24$
 Right Out: 140751.818 ± 0.056 $\chi^2/\text{NDF}: 426637853.4/28$
 Left In: 139838.724 ± 0.053 $\chi^2/\text{NDF}: 279573689.3/22$

+ sign 140235.059 ± 0.039 $\chi^2/\text{NDF}: 770496873.3/4$
 All: 140251.606 ± 0.028 $\chi^2/\text{NDF}: 161745352$
 - sign 140267.371 ± 0.038 $\chi^2/\text{NDF}: 846612252.7/5$

yield_bpm0l10WS_rms vs Slug



Right In: 191.614 $\pm$ 0.044 χ^2 /NDF: 3040481.8/23

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 187.258 $\pm$ 0.040 χ^2 /NDF: 3958857.5/28

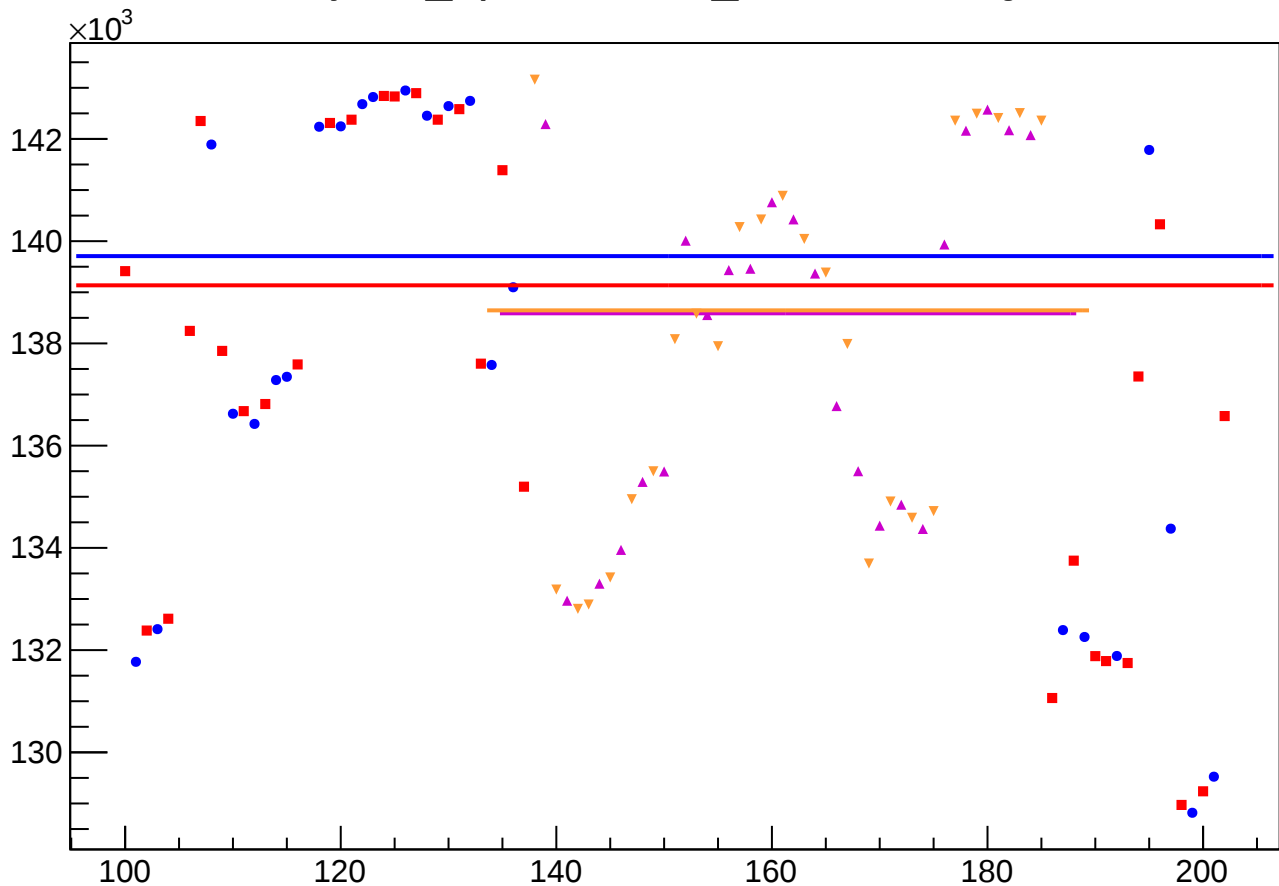
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 205.337 $\pm$ 0.028 χ^2 /NDF: 4186978.4/48

All: 203.676 $\pm$ 0.019 χ^2 /NDF: 9298081.9/100

- sign 202.094 $\pm$ 0.027 χ^2 /NDF: 5104166.0/51

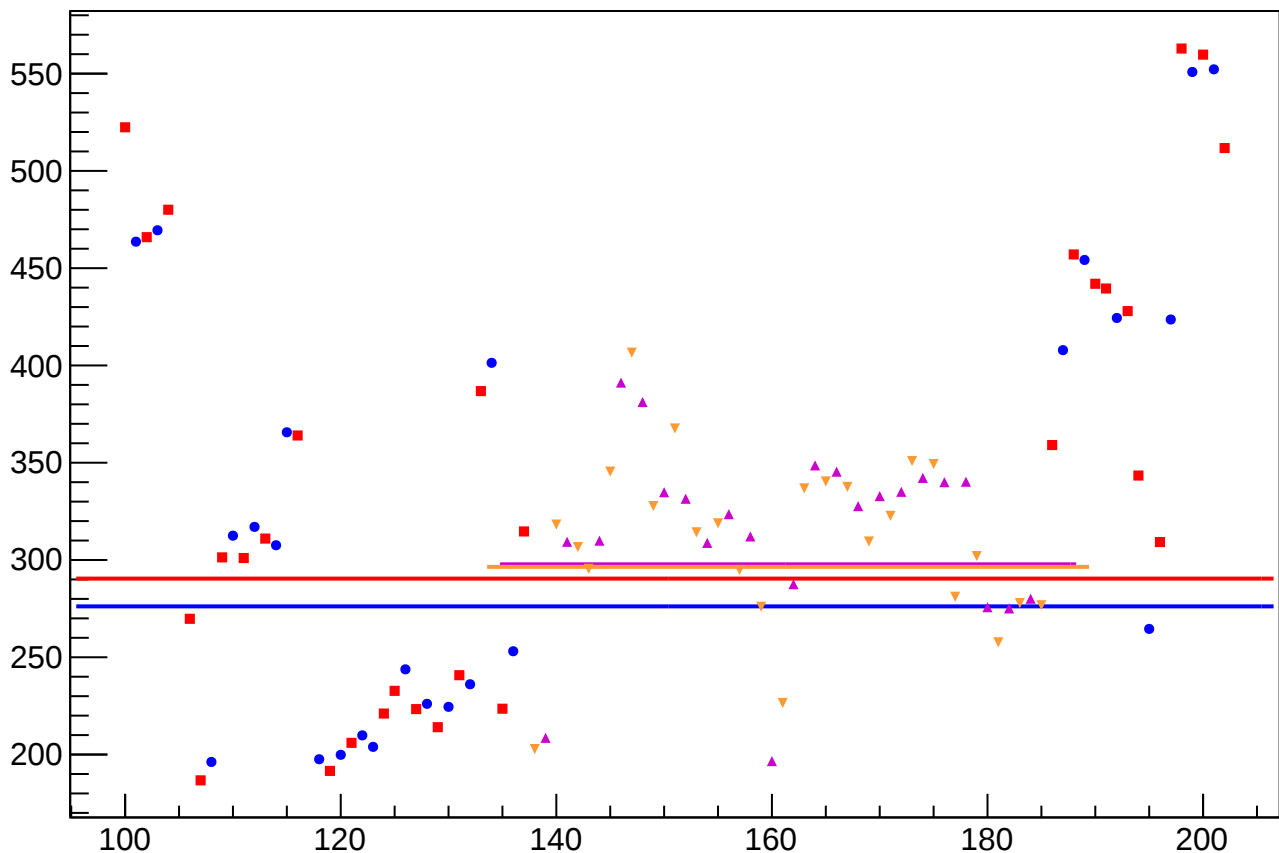
yield_bpm0r03WS_mean vs Slug



Right In: 139707.665 $\pm$ 0.088 χ^2 /NDF: 2166209877.8/23
 Left Out: 138646.366 $\pm$ 0.071 χ^2 /NDF: 2548637600.4/24
 Right Out: 139136.125 $\pm$ 0.085 χ^2 /NDF: 2332177111.5/28
 Left In: 138588.711 $\pm$ 0.074 χ^2 /NDF: 1948065195.1/22

+ sign 139062.099 $\pm$ 0.055 χ^2 /NDF: 4802743502.5
 All: 138943.280 $\pm$ 0.039 χ^2 /NDF: 911587569
 - sign 138822.187 $\pm$ 0.056 χ^2 /NDF: 4303796368.8/

yield_bpm0r03WS_rms vs Slug



Right In: 276.162 $\pm$ 0.062 χ^2 /NDF: 2408925.0/23

Left Out: 296.464 $\pm$ 0.050 χ^2 /NDF:893579.7/24

Right Out: 290.438 $\pm$ 0.060 χ^2 /NDF: 2901081.2/28

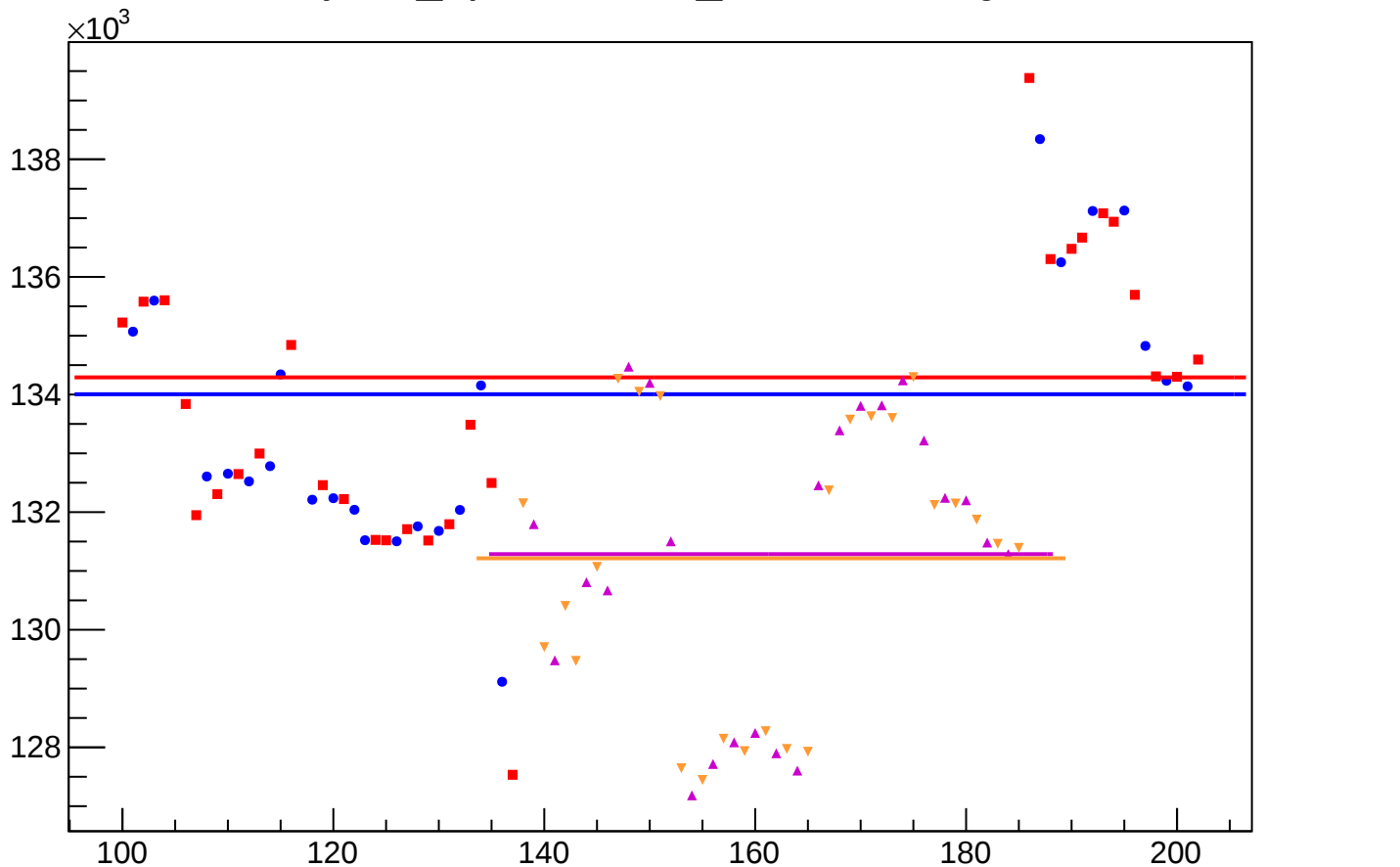
Left In: 297.774 $\pm$ 0.052 χ^2 /NDF:1061489.5/22

+ sign 288.512 $\pm$ 0.039 χ^2 /NDF: 3366834.9/48

All: 291.549 $\pm$ 0.028 χ^2 /NDF: 7350071.3/100

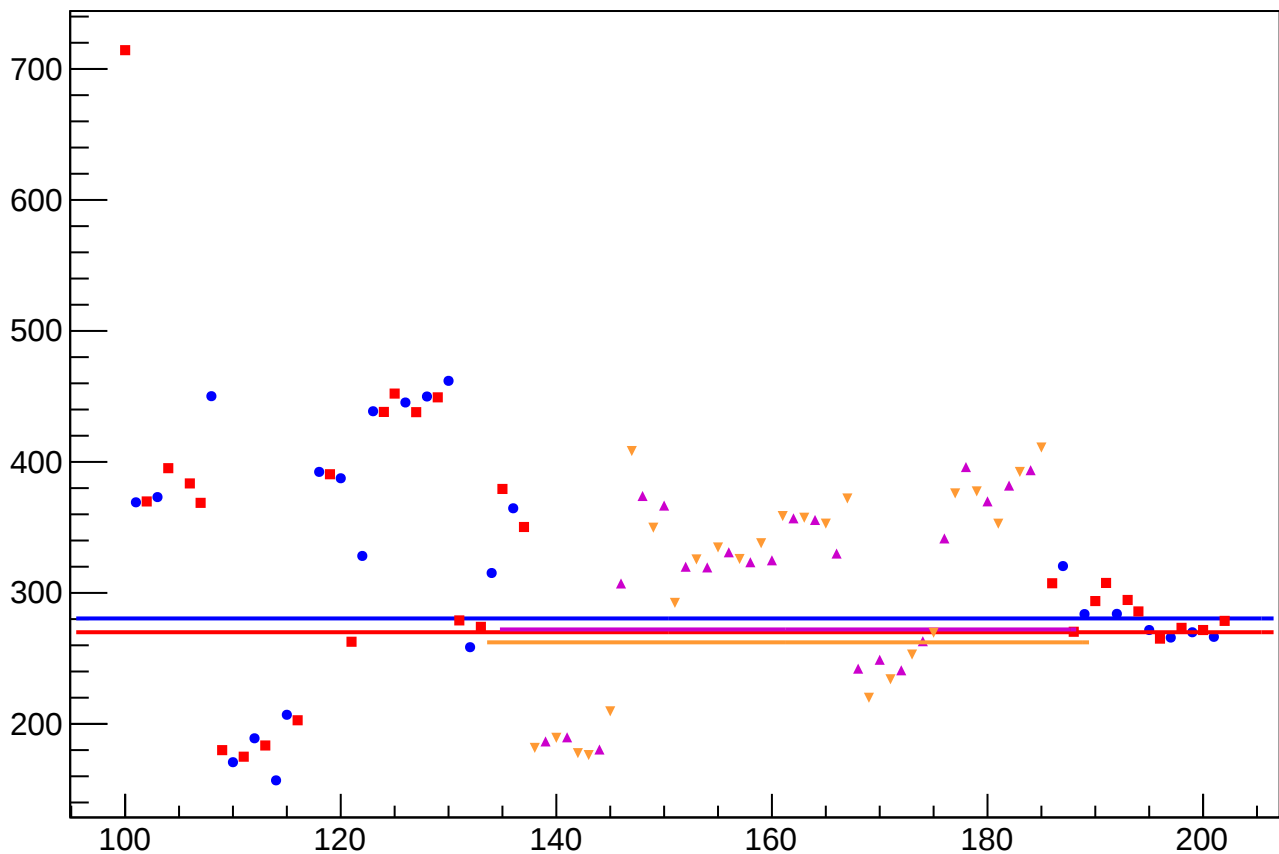
- sign 294.645 $\pm$ 0.039 χ^2 /NDF: 3971031.6/51

yield_bpm0r05WS_mean vs Slug



Right In: 134004.909 ± 0.087 $\chi^2/\text{NDF}: 590812288.8/23$ $+ \text{sign } 132201.582 \pm 0.052$ $\chi^2/\text{NDF}: 2429655838.0$
 Left Out: 131214.985 ± 0.064 $\chi^2/\text{NDF}: 1173424494.6/24$ All: 132405.922 ± 0.036 $\chi^2/\text{NDF}: 50439086$
 Right Out: 134291.614 ± 0.077 $\chi^2/\text{NDF}: 677129384.0/28$ $- \text{sign } 132606.038 \pm 0.051$ $\chi^2/\text{NDF}: 2583342513.4/5$
 Left In: 131285.623 ± 0.068 $\chi^2/\text{NDF}: 1056232192.1/22$

yield_bpm0r05WS_rms vs Slug



Right In: 280.507 ± 0.061 $\chi^2/\text{NDF}: 1536614.2/23$

Left Out: 262.260 ± 0.045 $\chi^2/\text{NDF}: 2818169.1/24$

Right Out: 269.987 ± 0.055 $\chi^2/\text{NDF}: 1668031.5/28$

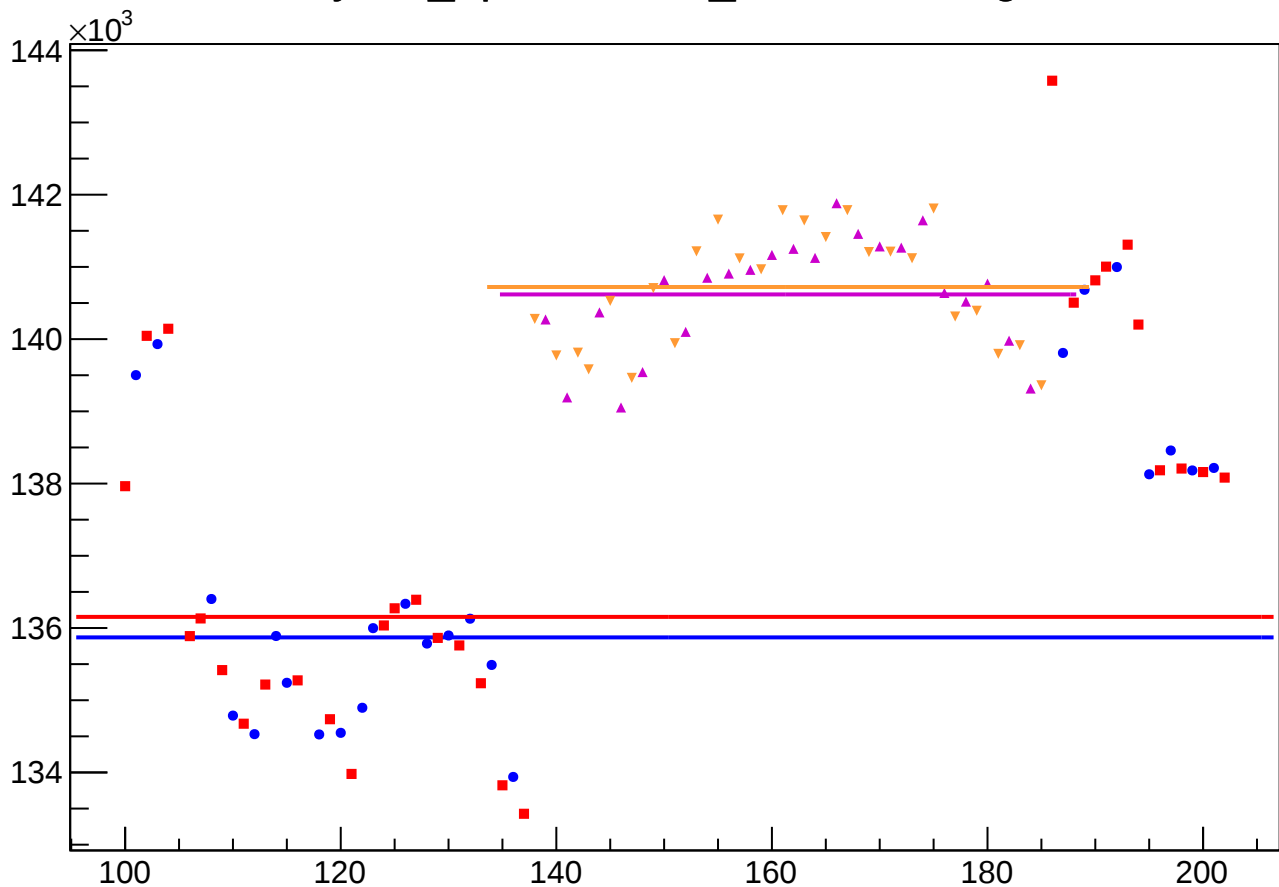
Left In: 272.115 ± 0.048 $\chi^2/\text{NDF}: 2221925.0/22$

+ sign 268.712 ± 0.037 $\chi^2/\text{NDF}: 4411713.6/48$

All: 269.959 ± 0.026 $\chi^2/\text{NDF}: 8304823.0/100$

- sign 271.180 ± 0.036 $\chi^2/\text{NDF}: 3890808.4/51$

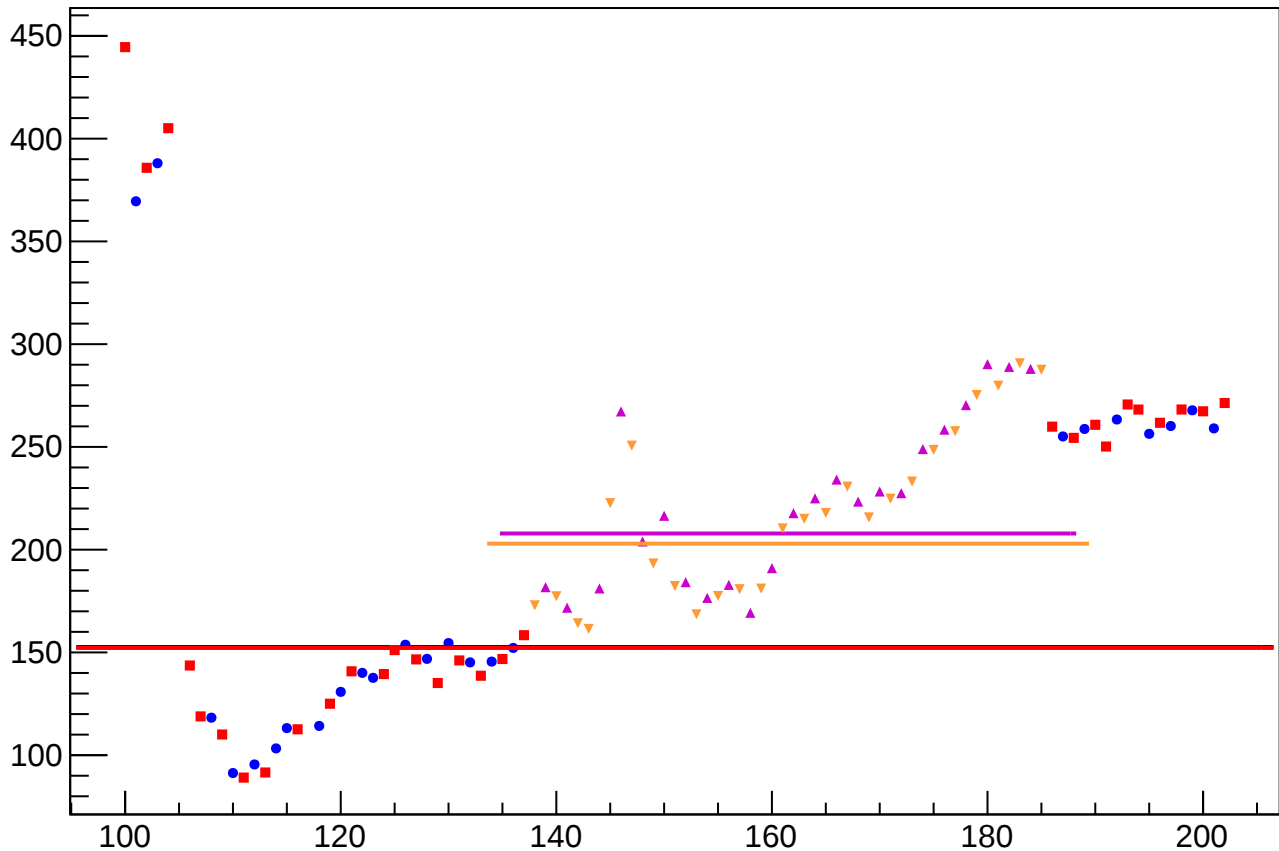
yield_bpm0i02WS_mean vs Slug



Right In: 135870.116 $\pm$ 0.050 χ^2 /NDF: 1322172584.5/23
 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 138354.583 $\pm$ 0.035 χ^2 /NDF: 6470925568.1
 All: 138252.144 $\pm$ 0.024 χ^2 /NDF: 129325594
 - sign 138152.427 $\pm$ 0.034 χ^2 /NDF: 6444375230.9

yield_bpm0i02WS_rms vs Slug



Right In: 152.644 $\pm$ 0.035 χ^2 /NDF: 3326478.9/23

Left Out: 202.934 $\pm$ 0.034 χ^2 /NDF:1052283.6/24

Right Out: 152.179 $\pm$ 0.033 χ^2 /NDF: 4254063.9/28

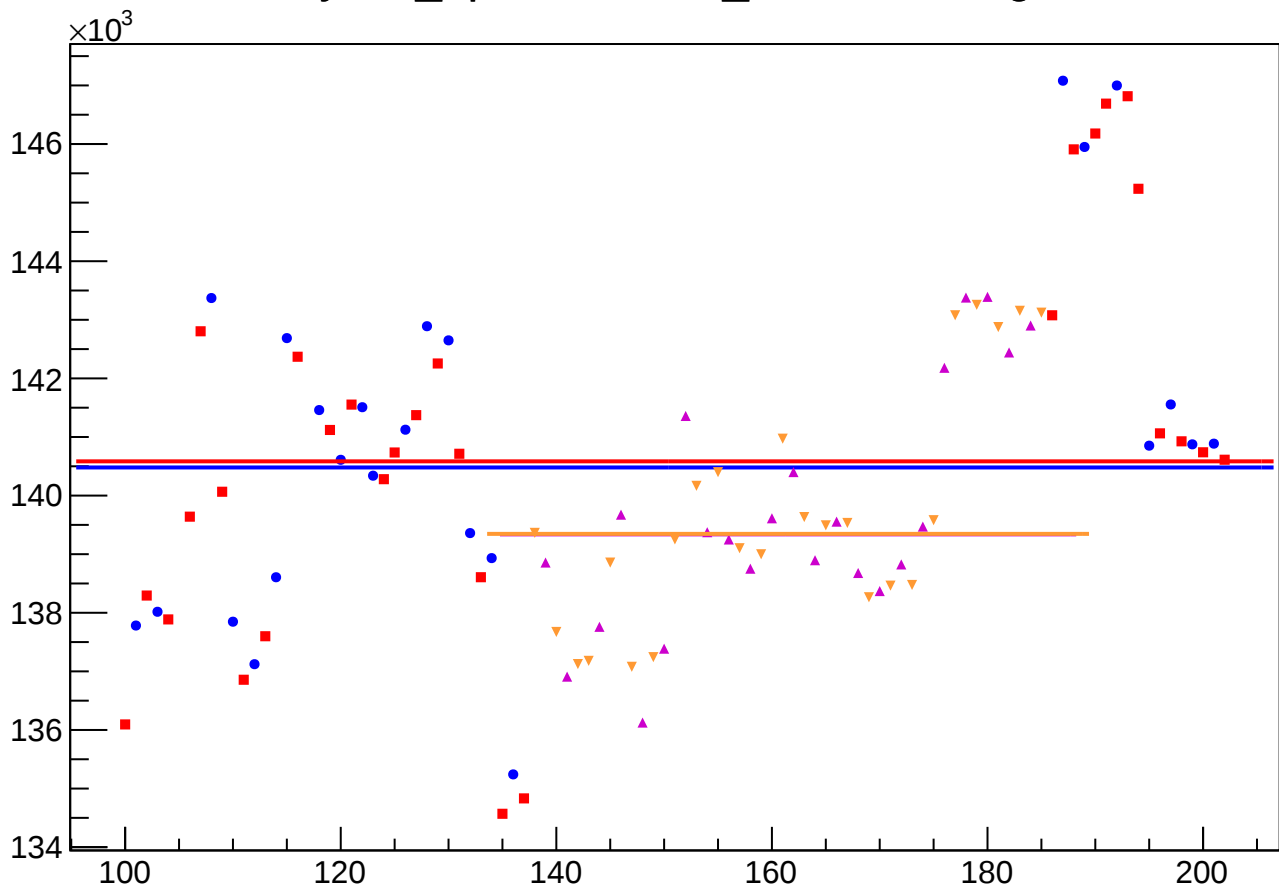
Left In: 207.872 $\pm$ 0.036 χ^2 /NDF:949200.3/22

+ sign 178.396 $\pm$ 0.024 χ^2 /NDF: 5432031.5/48

All: 177.742 $\pm$ 0.017 χ^2 /NDF: 11949869.6/10

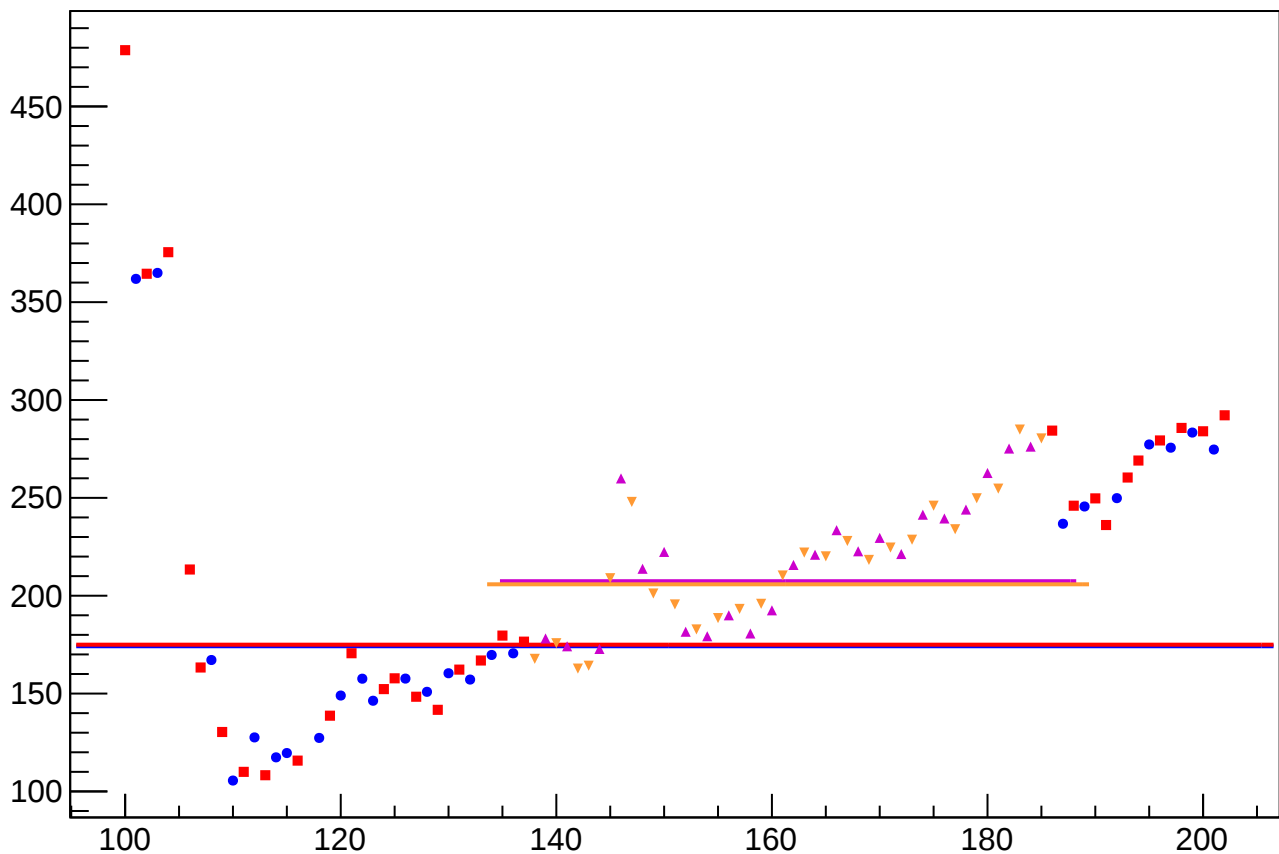
- sign 177.105 $\pm$ 0.024 χ^2 /NDF: 6516429.5/51

yield_bpm0i02aWS_mean vs Slug



Right In: 140479.988 $\pm$ 0.055 χ^2 /NDF: 2770807011.9/23
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140584.408 $\pm$ 0.052 χ^2 /NDF: 3211290795.1/28
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 + sign 139843.592 $\pm$ 0.037 χ^2 /NDF: 4276915778.5
 All: 139897.678 $\pm$ 0.026 χ^2 /NDF: 908096499
 - sign 139950.485 $\pm$ 0.036 χ^2 /NDF: 4799754712.0

yield_bpm0i02aWS_rms vs Slug



Right In: 174.177 $\pm$ 0.039 χ^2 /NDF: 2484818.0/23

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 174.982 $\pm$ 0.037 χ^2 /NDF: 3240979.2/28

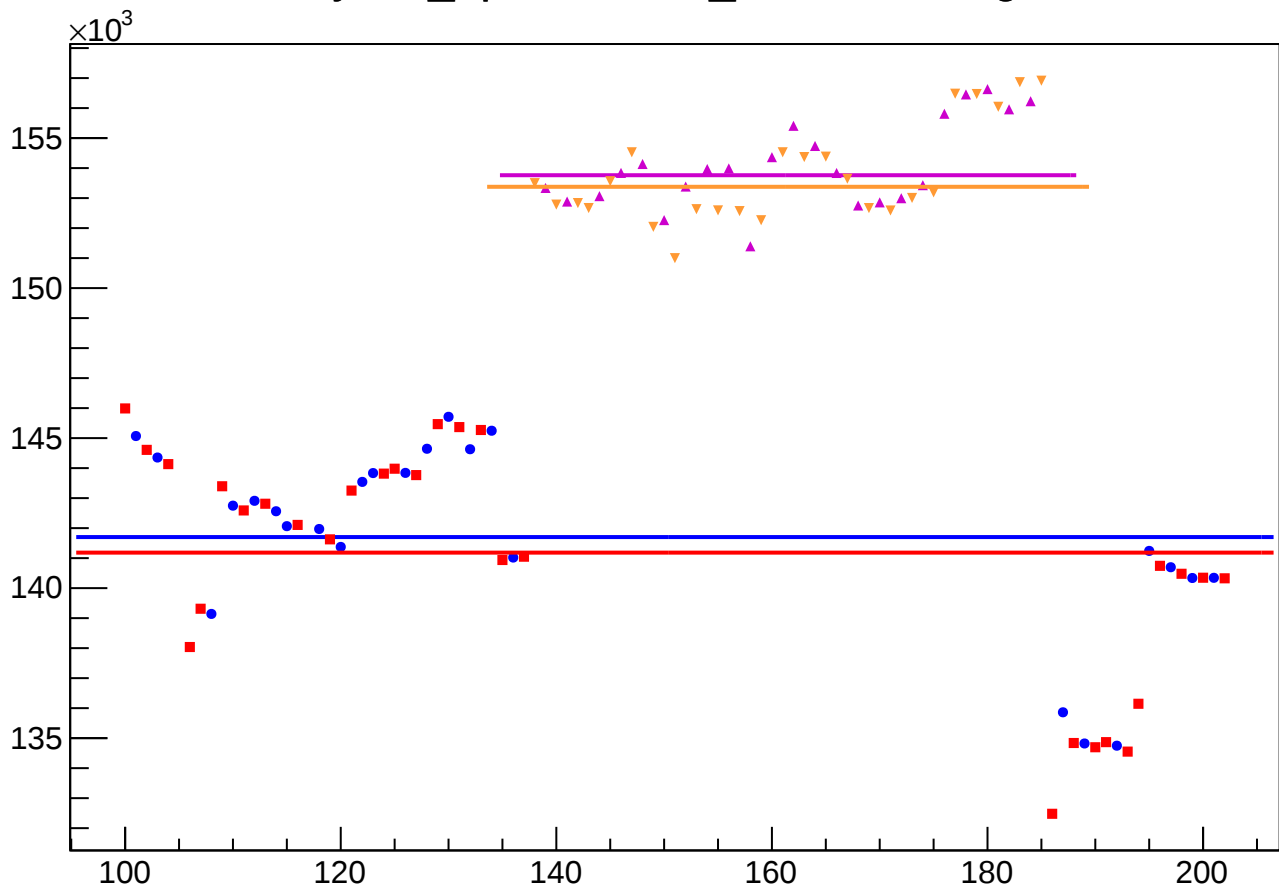
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 191.952 $\pm$ 0.026 χ^2 /NDF: 3590037.5/48

All: 191.711 $\pm$ 0.018 χ^2 /NDF: 7933205.0/100

- sign 191.476 $\pm$ 0.026 χ^2 /NDF: 4342997.7/51

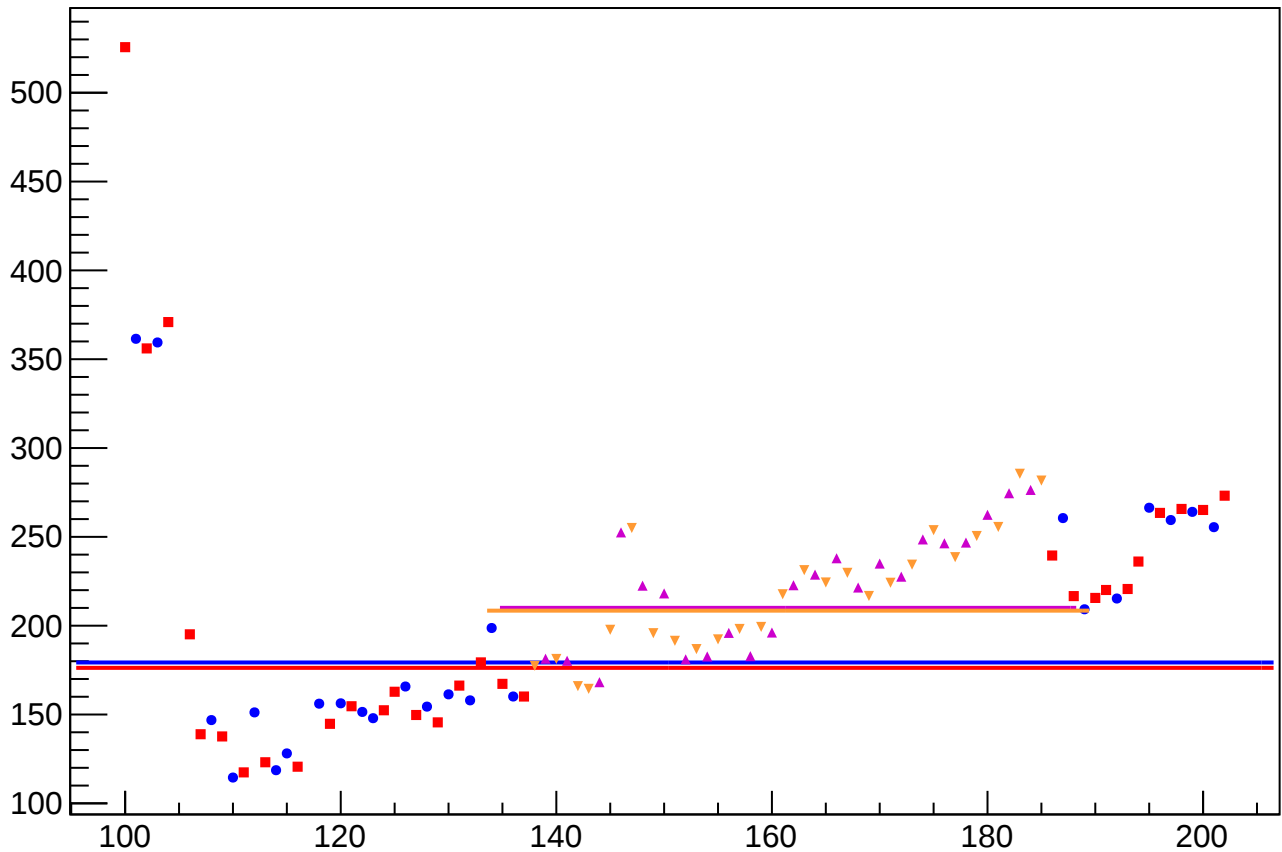
yield_bpm0i05WS_mean vs Slug



Right In: 141702.006 ± 0.056 $\chi^2/\text{NDF}: 2642418394.2/23$
 Left Out: 153376.698 ± 0.050 $\chi^2/\text{NDF}: 803848095.1/24$
 Right Out: 141183.528 ± 0.051 $\chi^2/\text{NDF}: 4411062264.6/28$
 Left In: 153762.419 ± 0.051 $\chi^2/\text{NDF}: 635075685.0/22$

+ sign 148265.973 ± 0.037 $\chi^2/\text{NDF}: 27762138005.1/24$
 All: 147840.829 ± 0.026 $\chi^2/\text{NDF}: 631337250.1/24$
 - sign 147435.451 ± 0.036 $\chi^2/\text{NDF}: 35115653601.2/24$

yield_bpm0i05WS_rms vs Slug



Right In: 179.291+/-0.040 χ^2/NDF : 1821113.6/23

Left Out: 208.466+/-0.035 χ^2/NDF : 720894.7/24

Right Out: 176.269+/-0.036 χ^2/NDF : 2336798.9/28

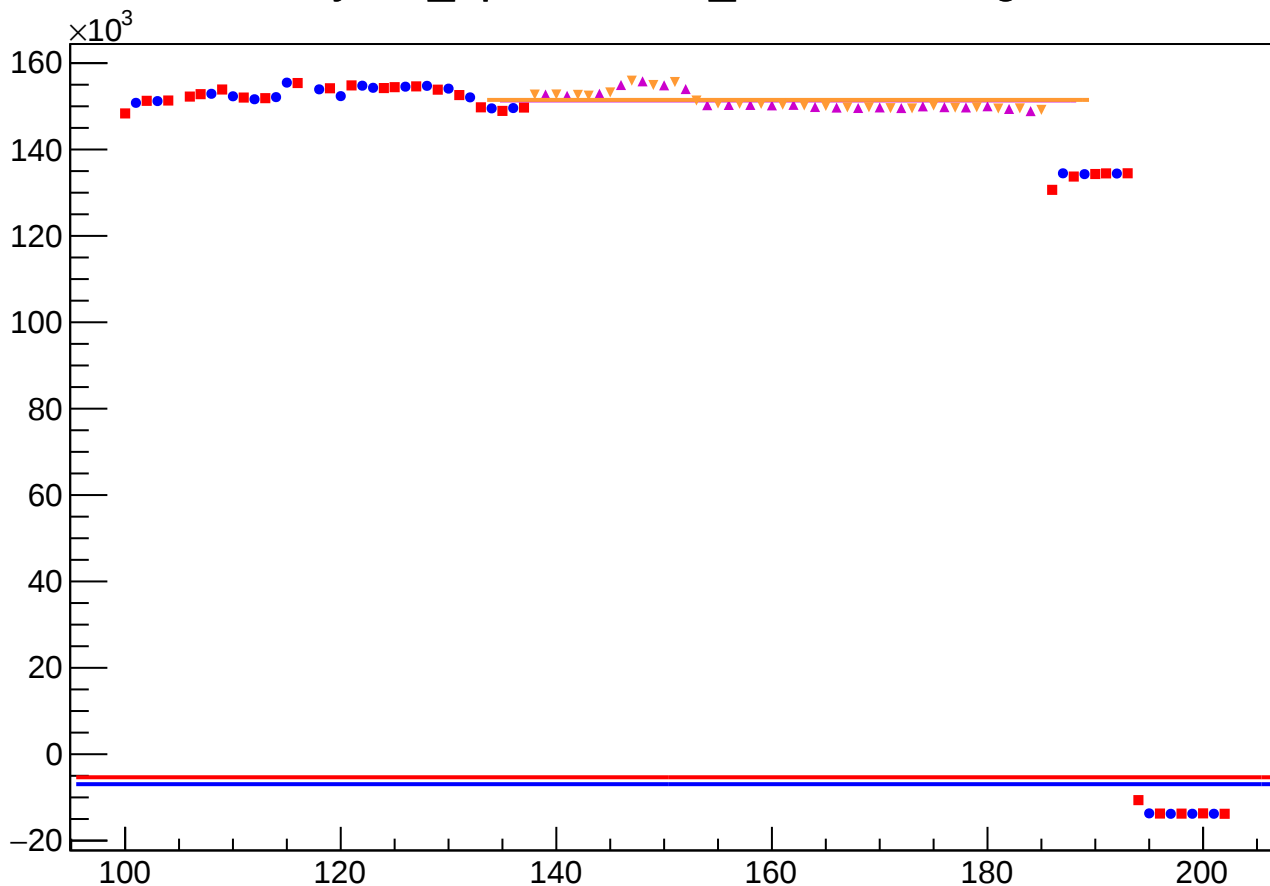
Left In: 210.038+/-0.036 χ^2/NDF : 702369.5/22

+ sign 195.694+/-0.026 χ^2/NDF : 2845708.1/48

All: 194.342+/-0.018 χ^2/NDF : 6323465.5/100

- sign 193.053+/-0.026 χ^2/NDF : 3472579.3/51

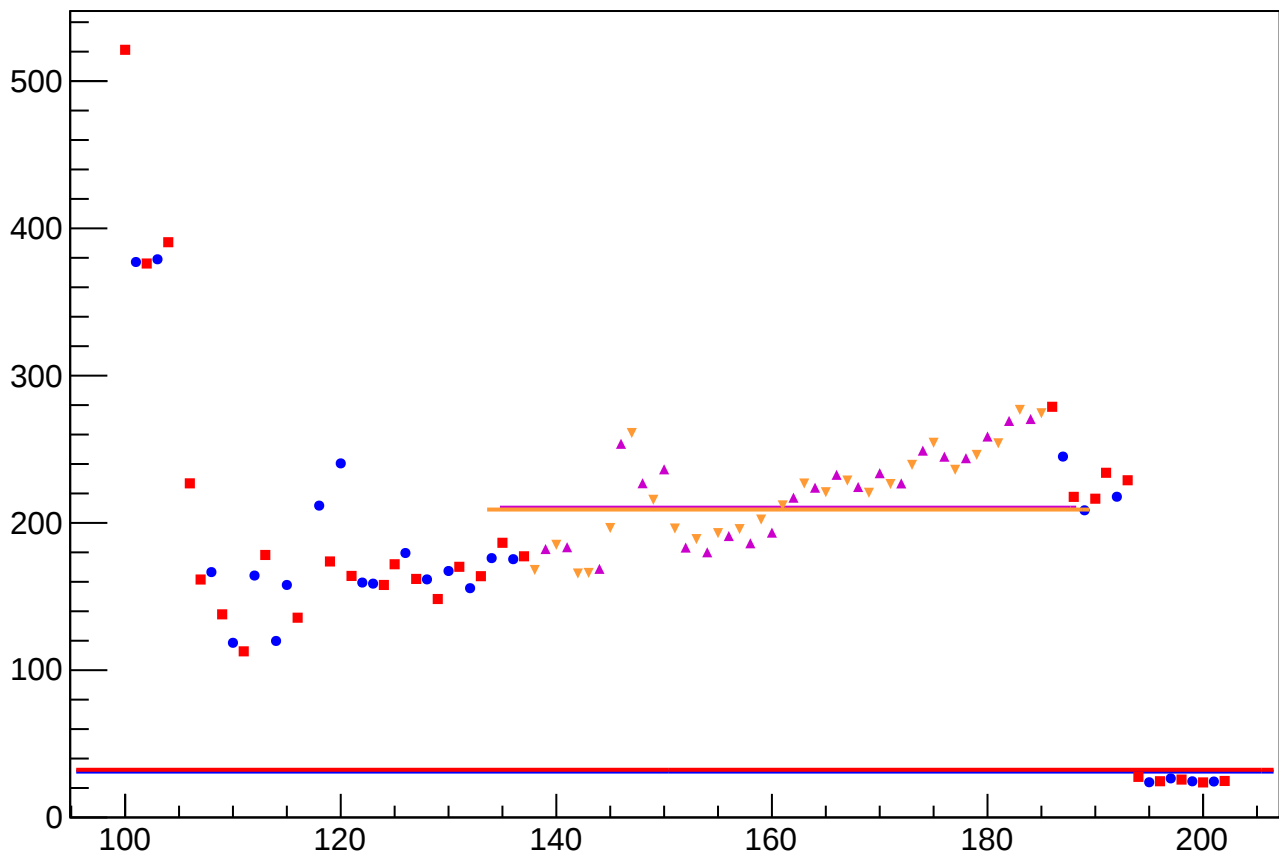
yield_bpm0i07WS_mean vs Slug



Right In: -6936.383 ± 0.014 $\chi^2/\text{NDF}: 5763332127994.1/23$
 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 4236.387 ± 0.013 $\chi^2/\text{NDF}: 15276376493229$
 All: 4440.302 ± 0.009 $\chi^2/\text{NDF}: 3097879351$
 - sign 4638.585 ± 0.013 $\chi^2/\text{NDF}: 15701942851327$

yield_bpm0i07WS_rms vs Slug



Right In: 31.147 $\pm$ 0.010 χ^2 /NDF: 11308834.0/23

Left Out: 209.076 $\pm$ 0.035 χ^2 /NDF: 708260.3/24

Right Out: 32.380 $\pm$ 0.009 χ^2 /NDF: 13169014.5/28

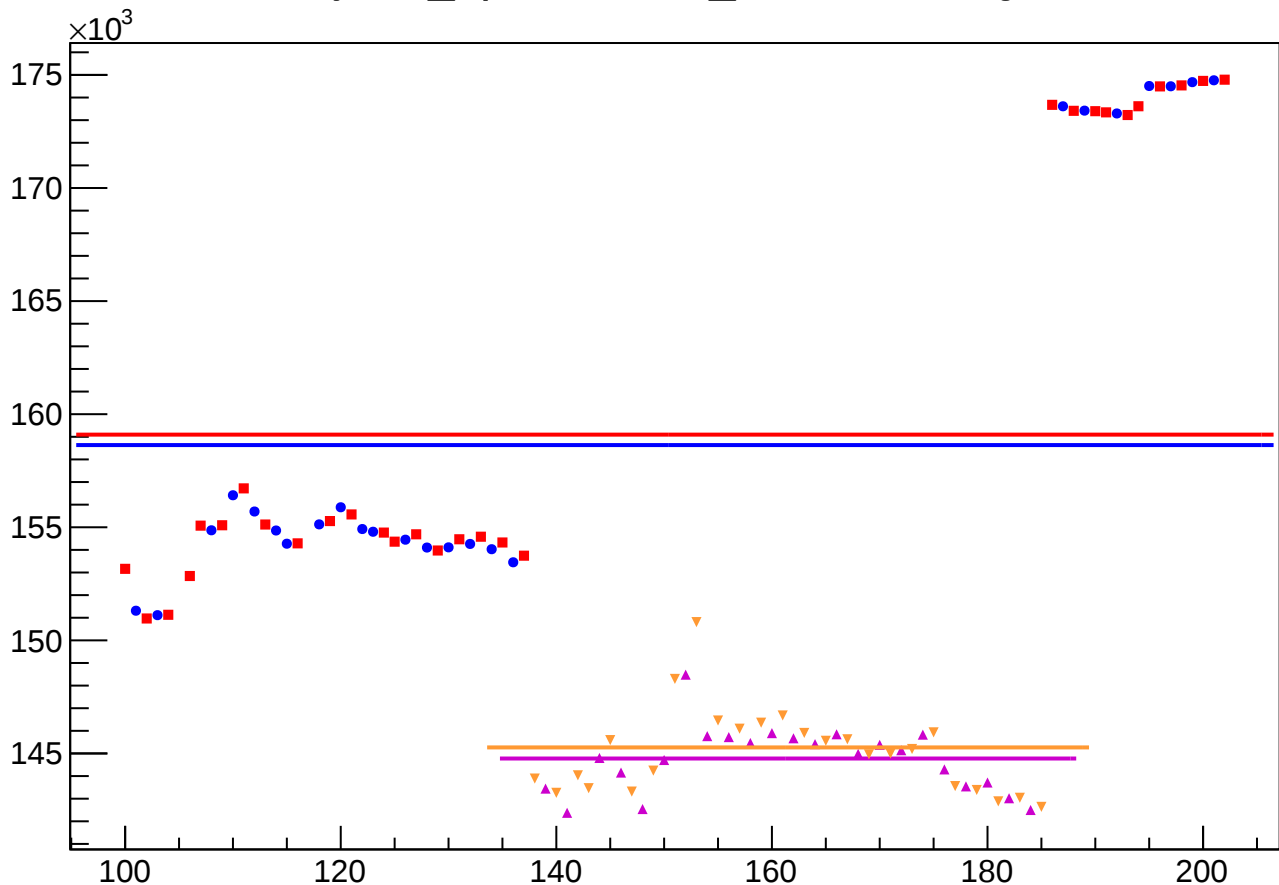
Left In: 210.345 $\pm$ 0.036 χ^2 /NDF: 677747.7/22

+ sign 43.696 $\pm$ 0.009 χ^2 /NDF: 36013951.9/48

All: 43.703 $\pm$ 0.007 χ^2 /NDF: 72309239.7/100

- sign 43.709 $\pm$ 0.009 χ^2 /NDF: 36295286.8/51

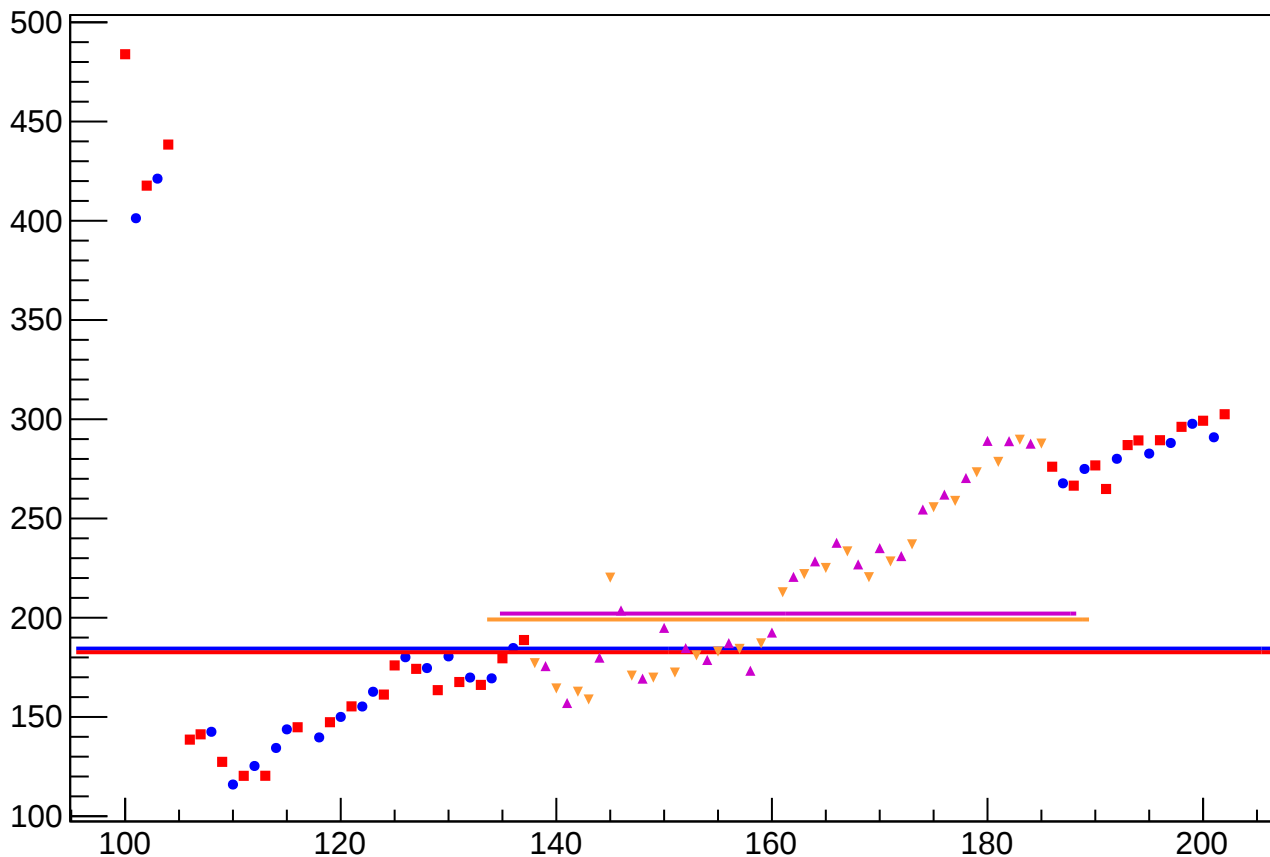
yield_bpm1i02WS_mean vs Slug



Right In: 158634.287 ± 0.059 $\chi^2/\text{NDF}: 17704598771.5/23$
 Left Out: 145266.717 ± 0.047 $\chi^2/\text{NDF}: 1717707352.7/24$
 Right Out: 159096.058 ± 0.054 $\chi^2/\text{NDF}: 22361206488.5/28$
 Left In: 144776.016 ± 0.050 $\chi^2/\text{NDF}: 918120275.4/22$

+ sign 150550.839 ± 0.037 $\chi^2/\text{NDF}: 50869666443.1/23$
 All: 150963.947 ± 0.026 $\chi^2/\text{NDF}: 112825023.1/23$
 - sign 151367.138 ± 0.036 $\chi^2/\text{NDF}: 61707086161.1/23$

yield_bpm1i02WS_rms vs Slug



Right In: 184.452 $\pm$ 0.041 χ^2 /NDF: 2607319.7/23

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

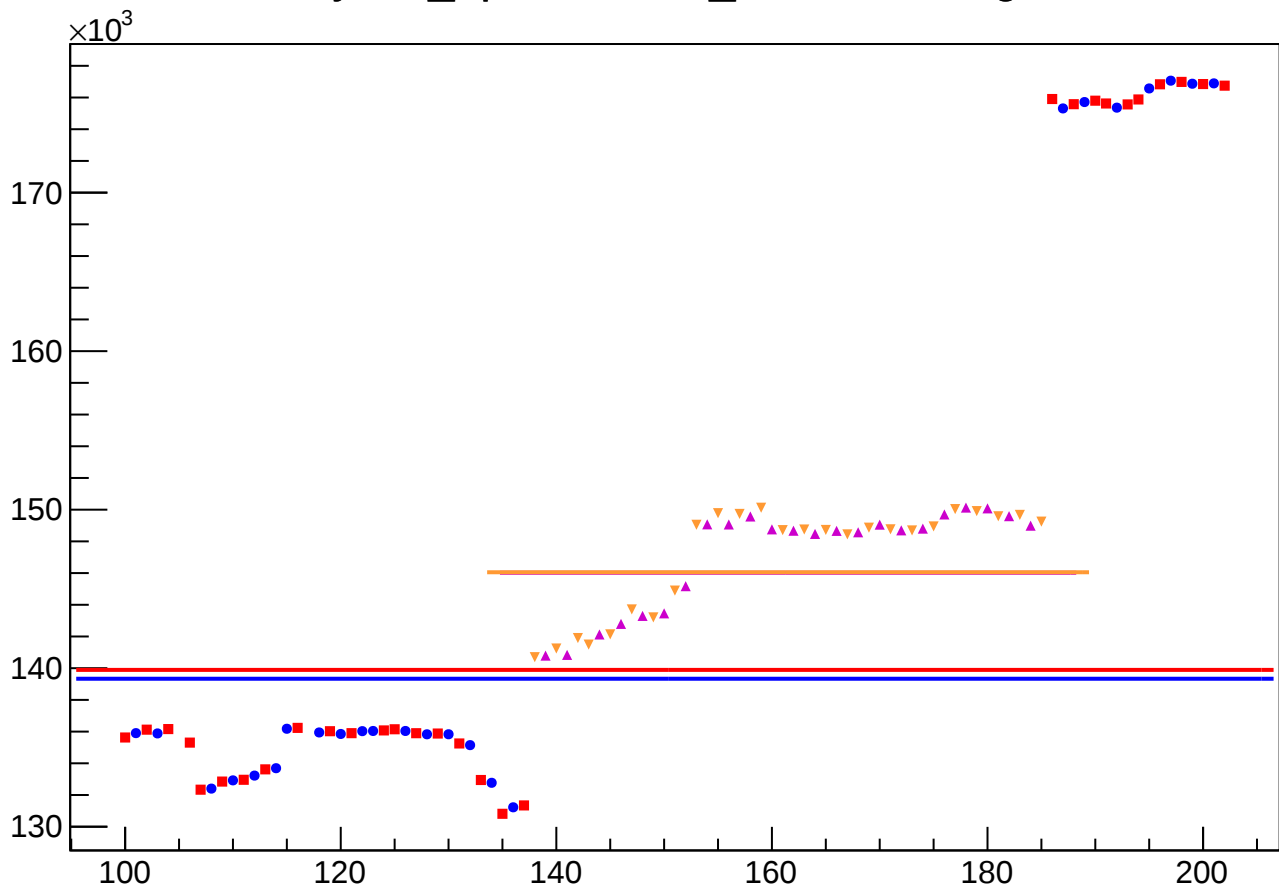
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 193.321 $\pm$ 0.026 χ^2 /NDF: 3835254.8/48

All: 193.222 $\pm$ 0.018 χ^2 /NDF: 8350001.0/100

- sign 193.125 $\pm$ 0.026 χ^2 /NDF: 4514717.6/51

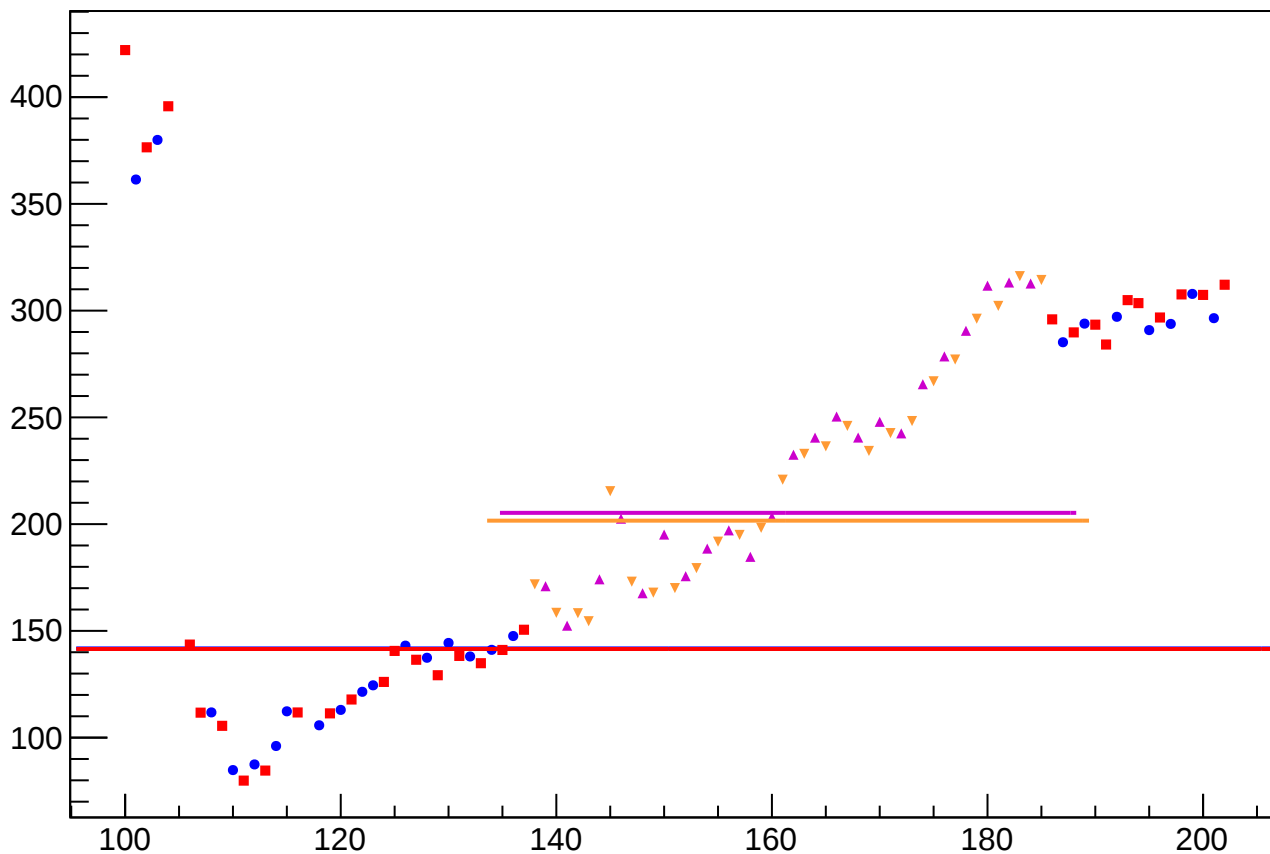
yield_bpm1i04WS_mean vs Slug



Right In: 139334.216 ± 0.047 χ^2/NDF : 84644917312.3/23
 Left Out: 146051.733 ± 0.048 χ^2/NDF : 5403300123.1/24
 Right Out: 139892.812 ± 0.044 χ^2/NDF : 108456034204.8/28
 Left In: 146020.015 ± 0.051 χ^2/NDF : 4591425371.4/22

+ sign 142621.411 ± 0.034 χ^2/NDF : 99924048981.
 All: 142575.854 ± 0.024 χ^2/NDF : 221305477
 - sign 142531.763 ± 0.033 χ^2/NDF : 121377851636

yield_bpm1i04WS_rms vs Slug



Right In: 141.777 $\pm$ 0.033 χ^2 /NDF: 4377449.2/23

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 141.518 $\pm$ 0.031 χ^2 /NDF: 5650087.5/28

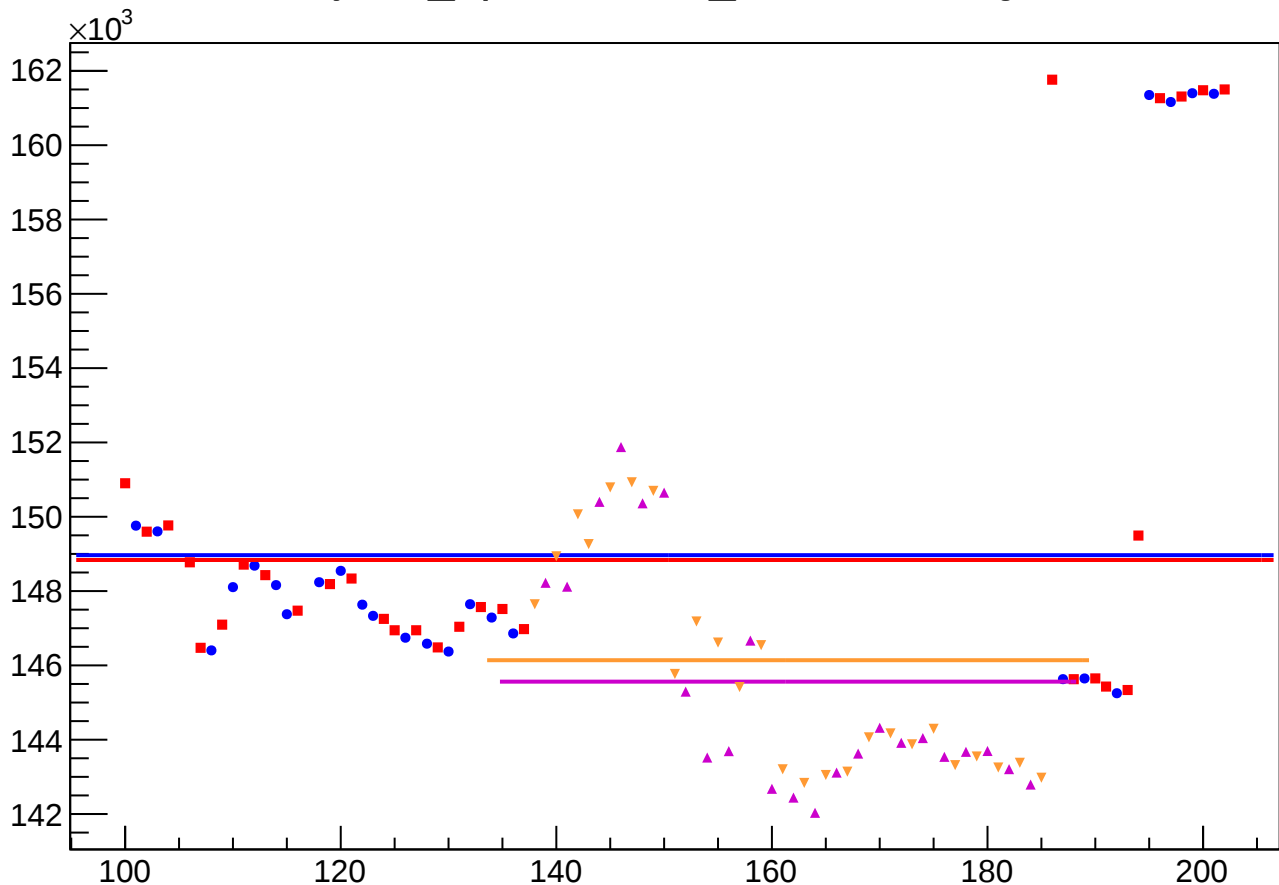
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 171.067 $\pm$ 0.024 χ^2 /NDF: 7535119.6/48

All: 170.008 $\pm$ 0.017 χ^2 /NDF: 16418969.9/10

- sign 168.983 $\pm$ 0.024 χ^2 /NDF: 8879983.4/51

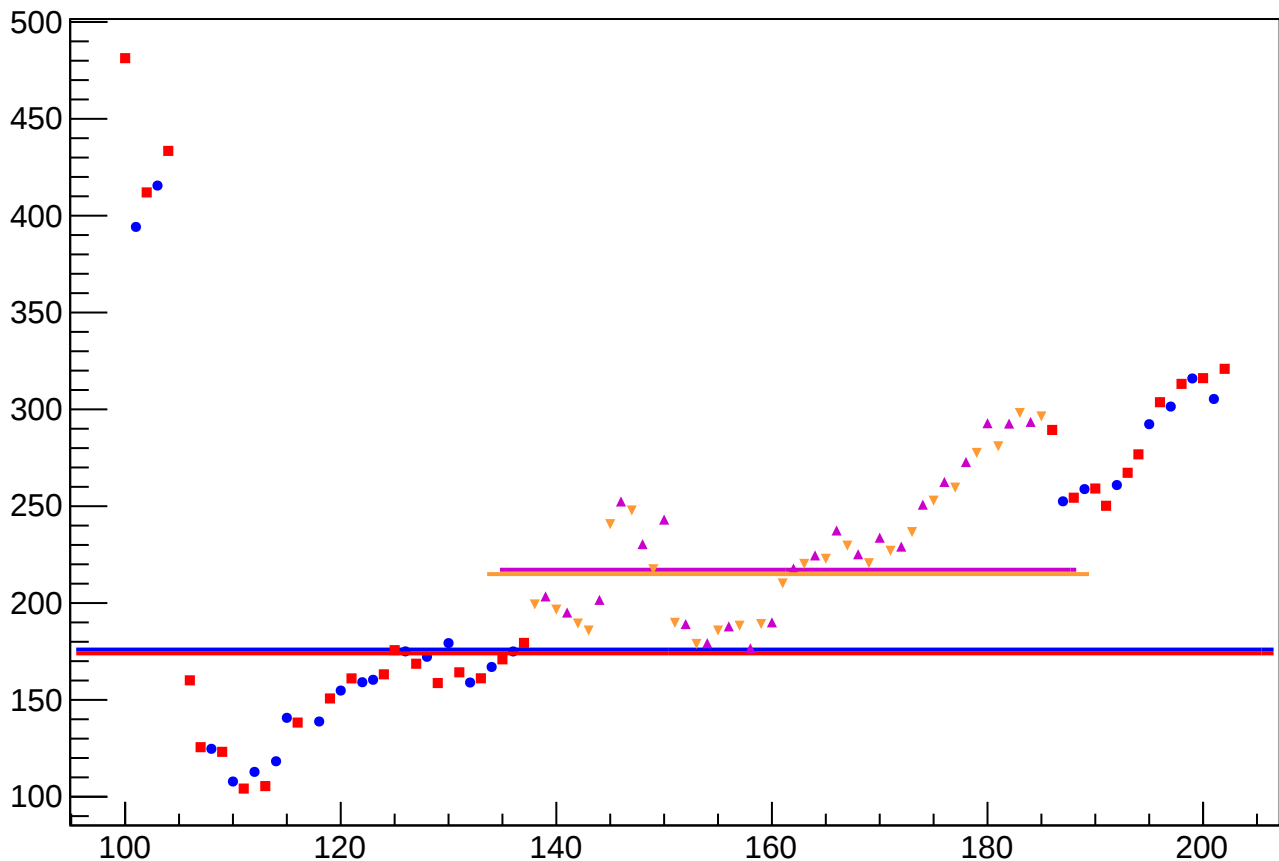
yield_bpm1i06WS_mean vs Slug



Right In: 148966.486 ± 0.057 $\chi^2/\text{NDF}: 6206745882.6/23$
 Left Out: 146139.326 ± 0.051 $\chi^2/\text{NDF}: 2699546907.6/24$
 Right Out: 148836.534 ± 0.052 $\chi^2/\text{NDF}: 6384422918.5/28$
 Left In: 145562.386 ± 0.053 $\chi^2/\text{NDF}: 3054641996.0/22$

+ sign 147404.320 ± 0.038 $\chi^2/\text{NDF}: 10286389999.9$
 All: 147319.216 ± 0.026 $\chi^2/\text{NDF}: 216828439.9$
 - sign 147237.467 ± 0.037 $\chi^2/\text{NDF}: 11386536927.8$

yield_bpm1i06WS_rms vs Slug



Right In: 175.984+/-0.040 χ^2/NDF : 3010077.0/23

Left Out: 214.945+/-0.036 χ^2/NDF : 728515.5/24

Right Out: 174.015+/-0.037 χ^2/NDF : 3843501.8/28

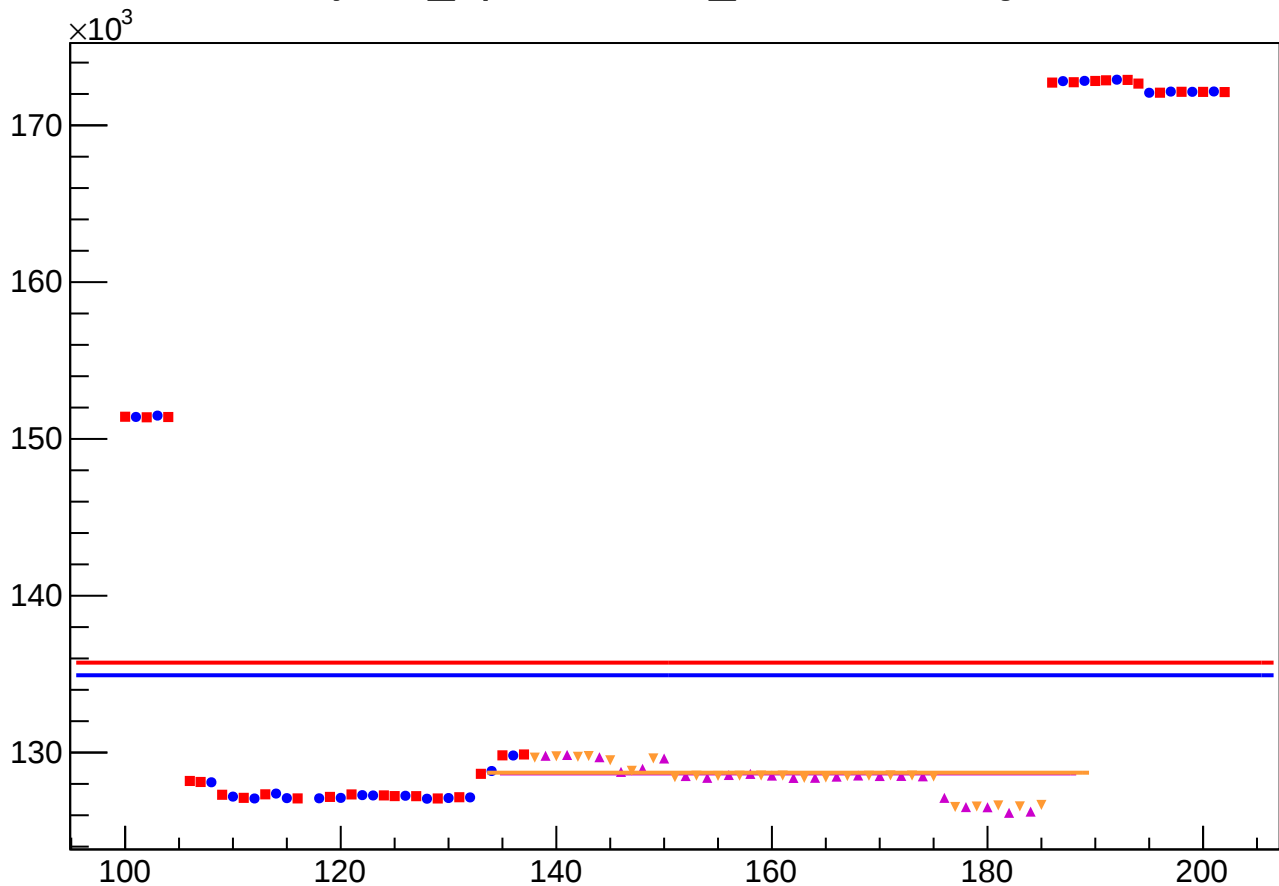
Left In: 217.203+/-0.038 χ^2/NDF : 764798.3/22

+ sign 197.512+/-0.027 χ^2/NDF : 4262795.5/48

All: 196.286+/-0.019 χ^2/NDF : 9552906.3/100

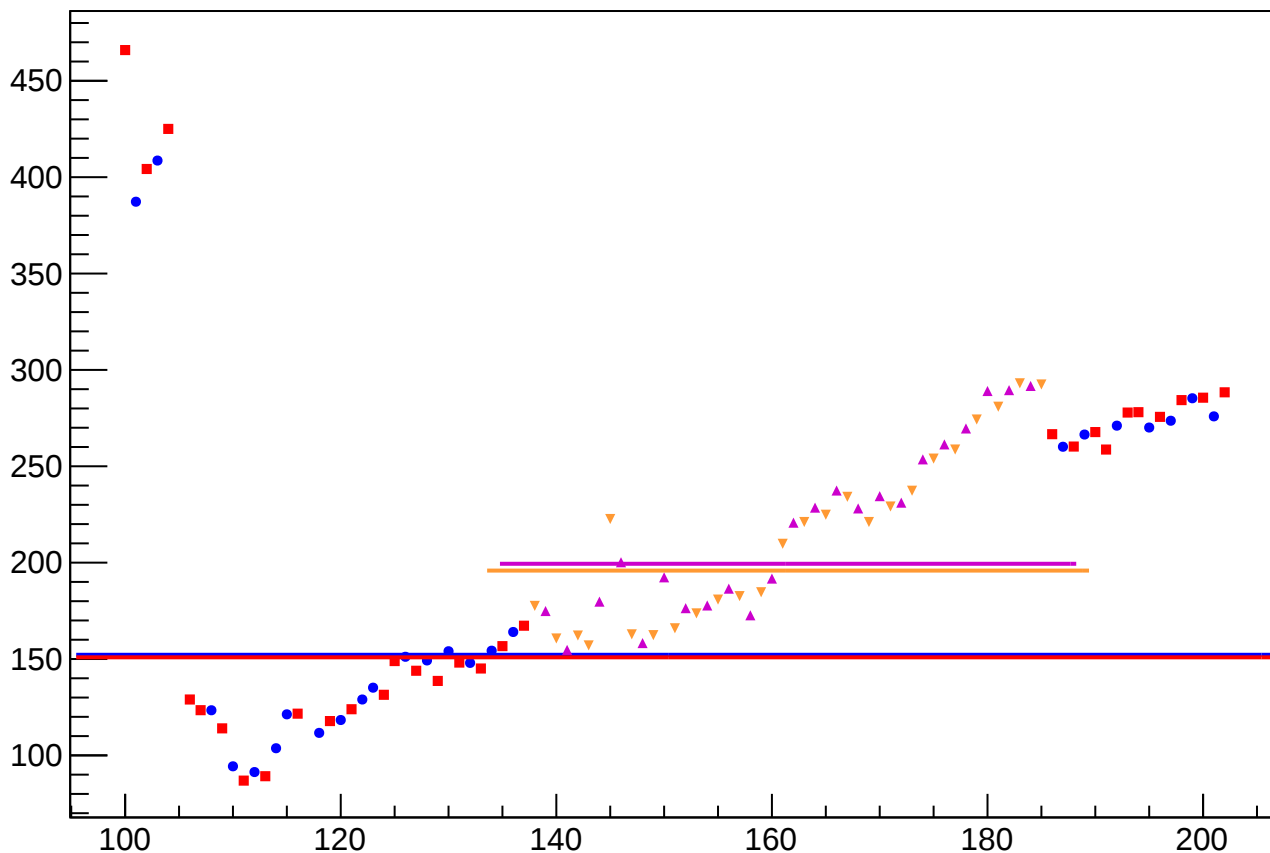
- sign 195.108+/-0.026 χ^2/NDF : 5285992.9/51

yield_bpm2i01WS_mean vs Slug



Right In: 134928.506 $\pm$ 0.050 χ^2 /NDF: 108778331345.2/23
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 135733.509 $\pm$ 0.046 χ^2 /NDF: 140695589489.5/28
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22
 + sign 131621.423 $\pm$ 0.034 χ^2 /NDF: 117409856335
 All: 132038.513 $\pm$ 0.024 χ^2 /NDF: 269842180
 - sign 132440.494 $\pm$ 0.033 χ^2 /NDF: 152137970252

yield_bpm2i01WS_rms vs Slug



Right In: 152.191 $\pm$ 0.035 χ^2 /NDF: 3682795.2/23

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

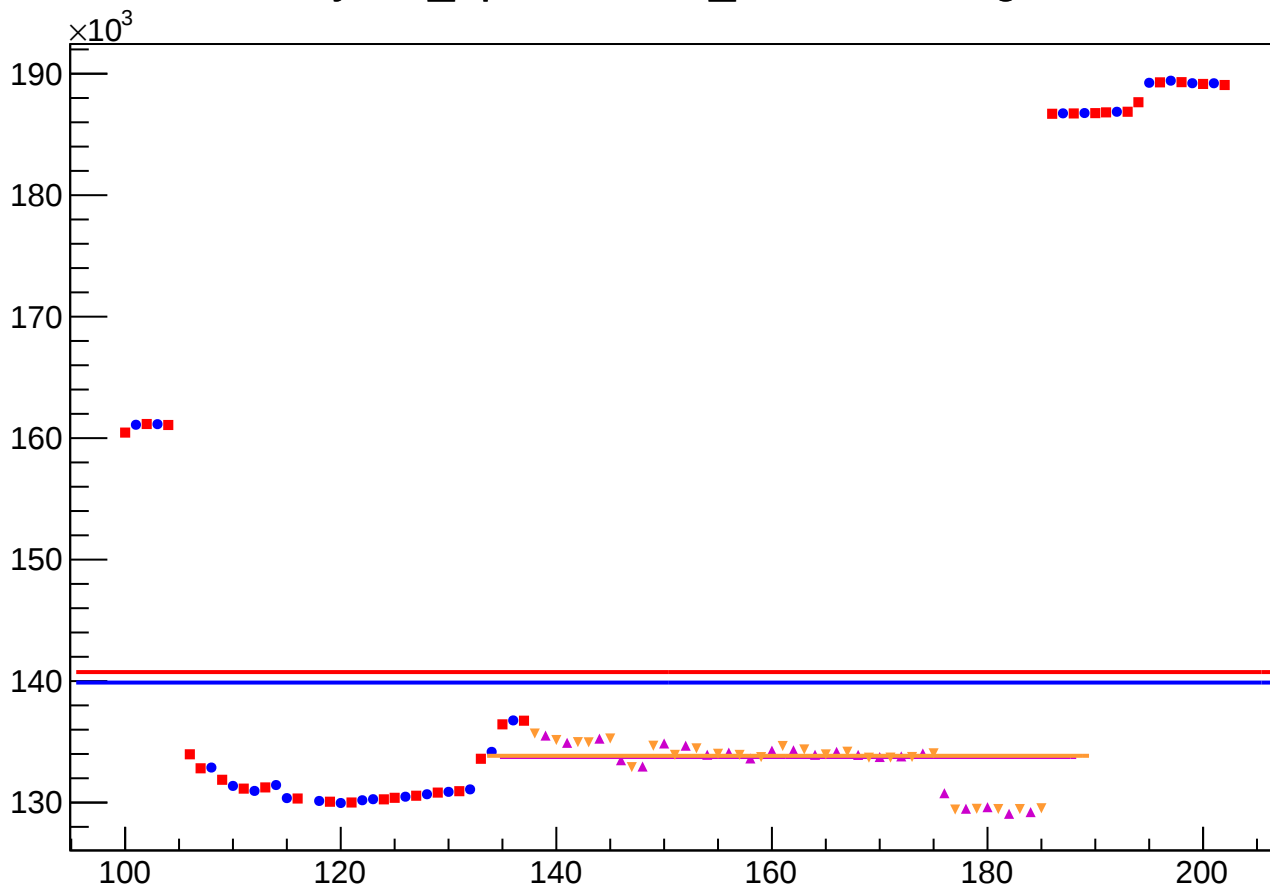
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 175.444 $\pm$ 0.024 χ^2 /NDF: 5815165.5/48

All: 174.451 $\pm$ 0.017 χ^2 /NDF: 12707922.4/10

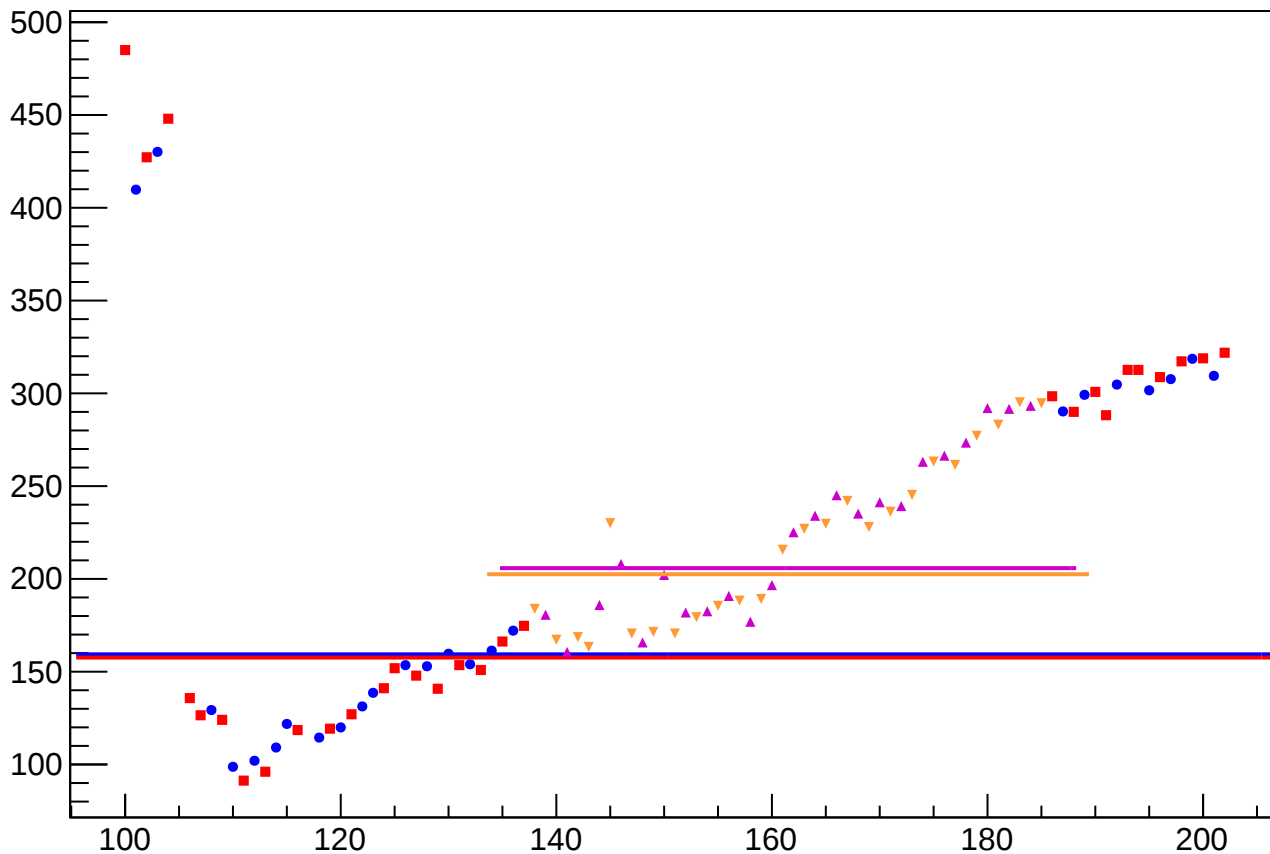
- sign 173.493 $\pm$ 0.024 χ^2 /NDF: 6889418.2/51

yield_bpm2i02WS_mean vs Slug



Right In: 139878.344+/-0.053 χ^2/NDF : 143759139021.1/23
 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

yield_bpm2i02WS_rms vs Slug



Right In: 159.346 $\pm$ 0.037 χ^2 /NDF: 3965811.0/23

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

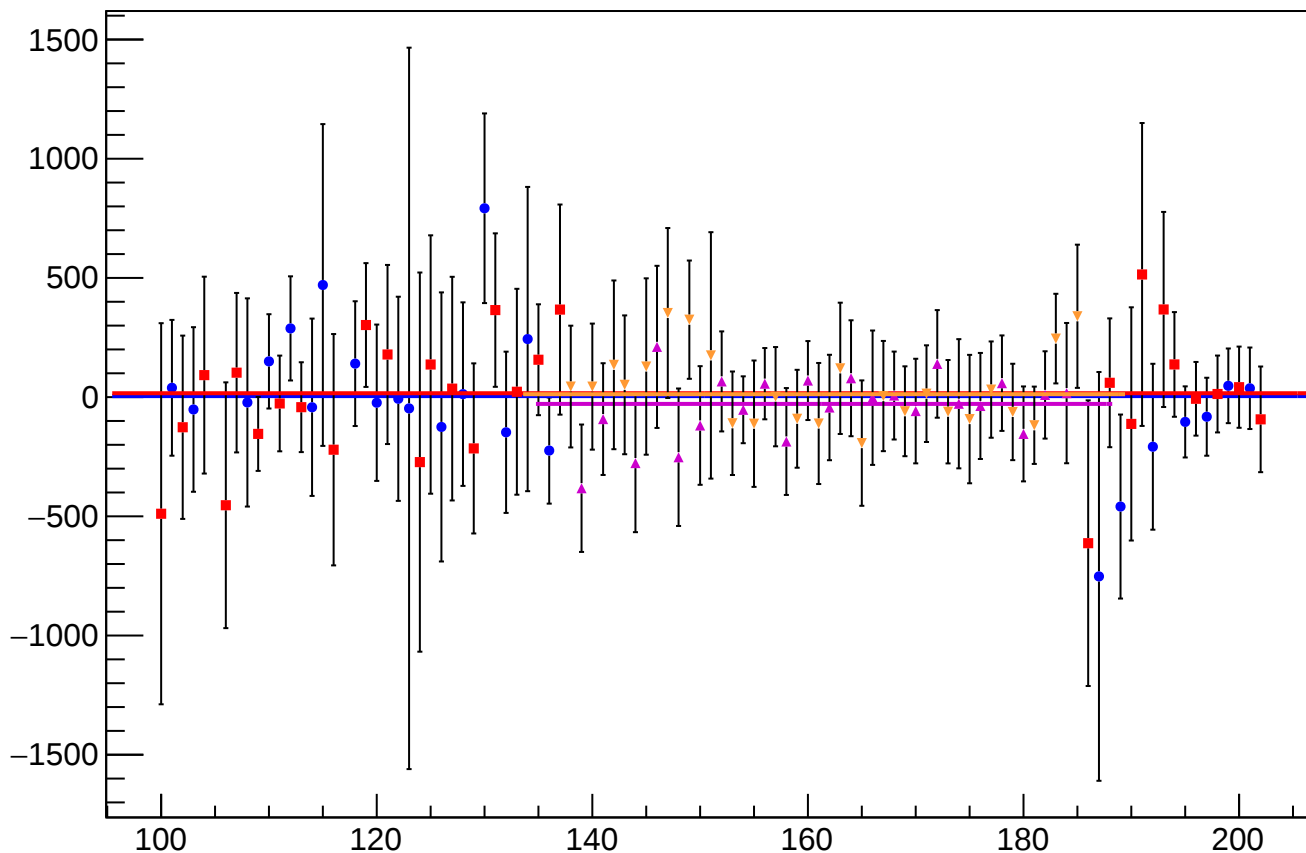
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 182.790 $\pm$ 0.025 χ^2 /NDF: 5910872.5/48

All: 181.687 $\pm$ 0.018 χ^2 /NDF: 13049093.3/10

- sign 180.623 $\pm$ 0.025 χ^2 /NDF: 7134435.3/51

asym_bcm_an_ds_mean vs Slug



Right In: 4.279 ± 54.802 χ^2/NDF : 11.9/23

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 16.352 ± 50.723 χ^2/NDF : 10.4/28

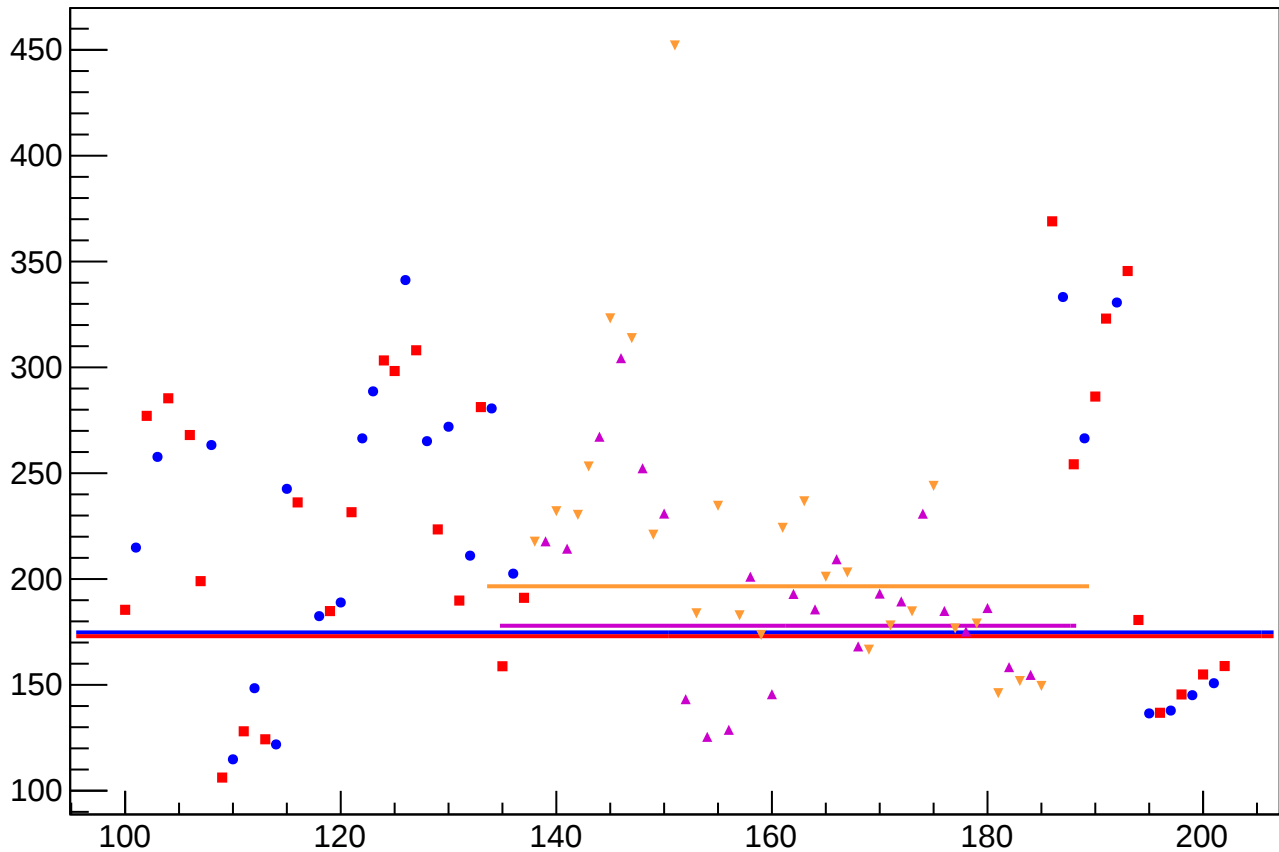
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign 8.788 ± 35.907 χ^2/NDF : 20.5/48

All: -0.646 ± 24.507 χ^2/NDF : 38.1/100

- sign -8.872 ± 33.531 χ^2/NDF : 17.5/51

asym_bcm_an_ds_rms vs Slug



Right In: 174.784 $\pm$ 0.039 χ^2 /NDF: 2059253.6/23

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

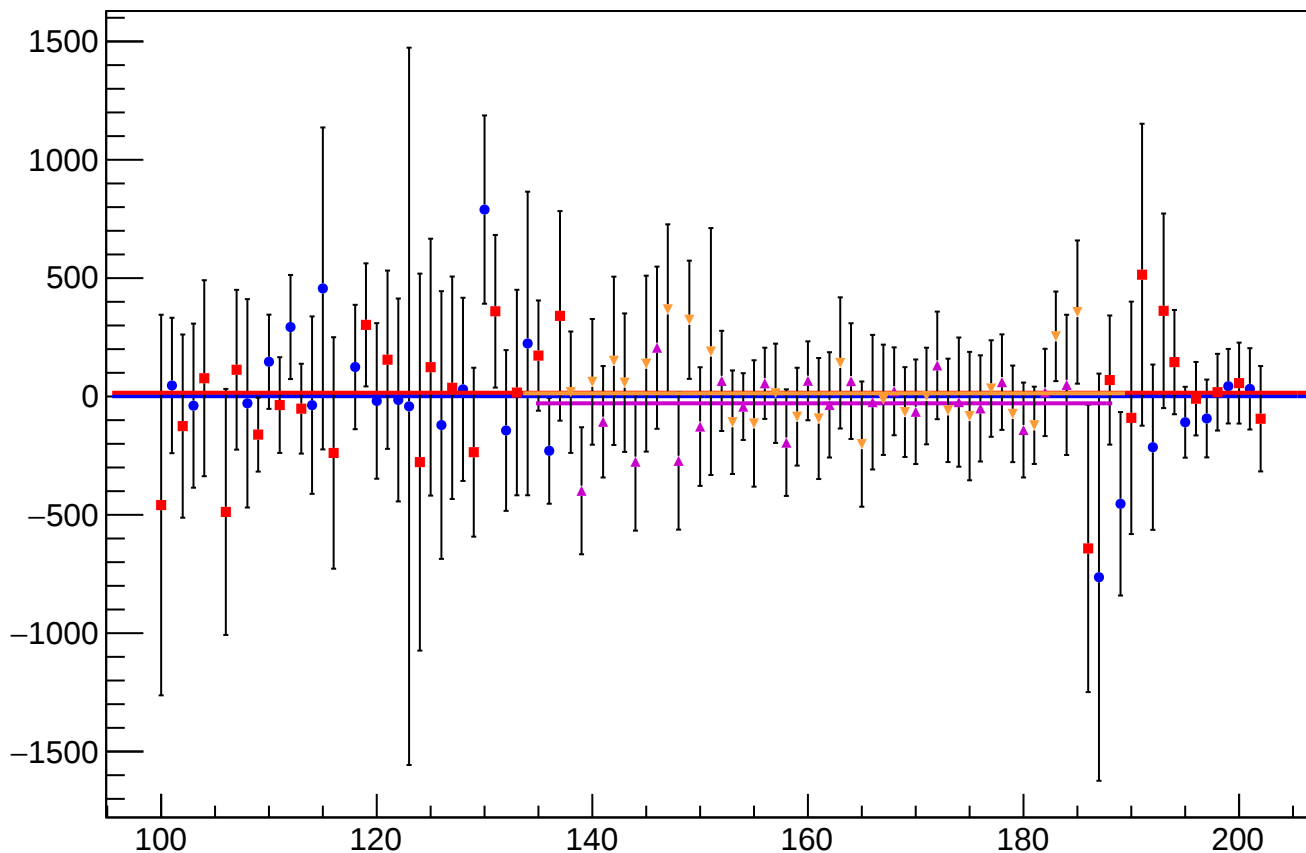
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 187.221 $\pm$ 0.025 χ^2 /NDF: 4018455.6/48

All: 181.106 $\pm$ 0.017 χ^2 /NDF: 8488408.6/100

- sign 175.773 $\pm$ 0.024 χ^2 /NDF: 4361366.1/51

asym_bcm_an_ds3_mean vs Slug



Right In: 1.178 ± 55.068 χ^2/NDF : 11.9/23

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 15.866 ± 50.981 χ^2/NDF : 10.7/28

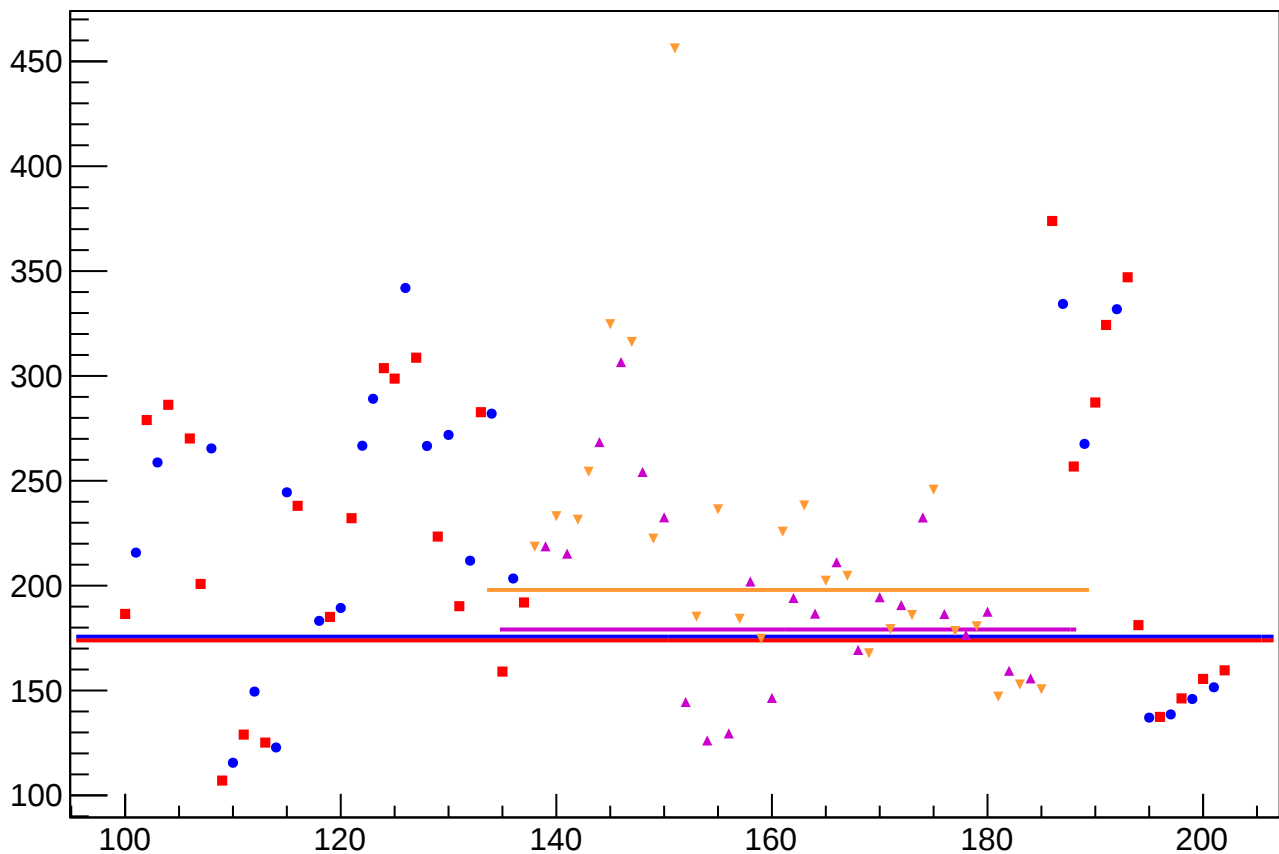
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign 8.137 ± 36.124 χ^2/NDF : 20.9/48

All: -1.153 ± 24.653 χ^2/NDF : 39.0/100

- sign -9.253 ± 33.729 χ^2/NDF : 18.0/51

asym_bcm_an_ds3_rms vs Slug



Right In: 175.670 $\pm$ 0.039 χ^2 /NDF: 2049916.0/23

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

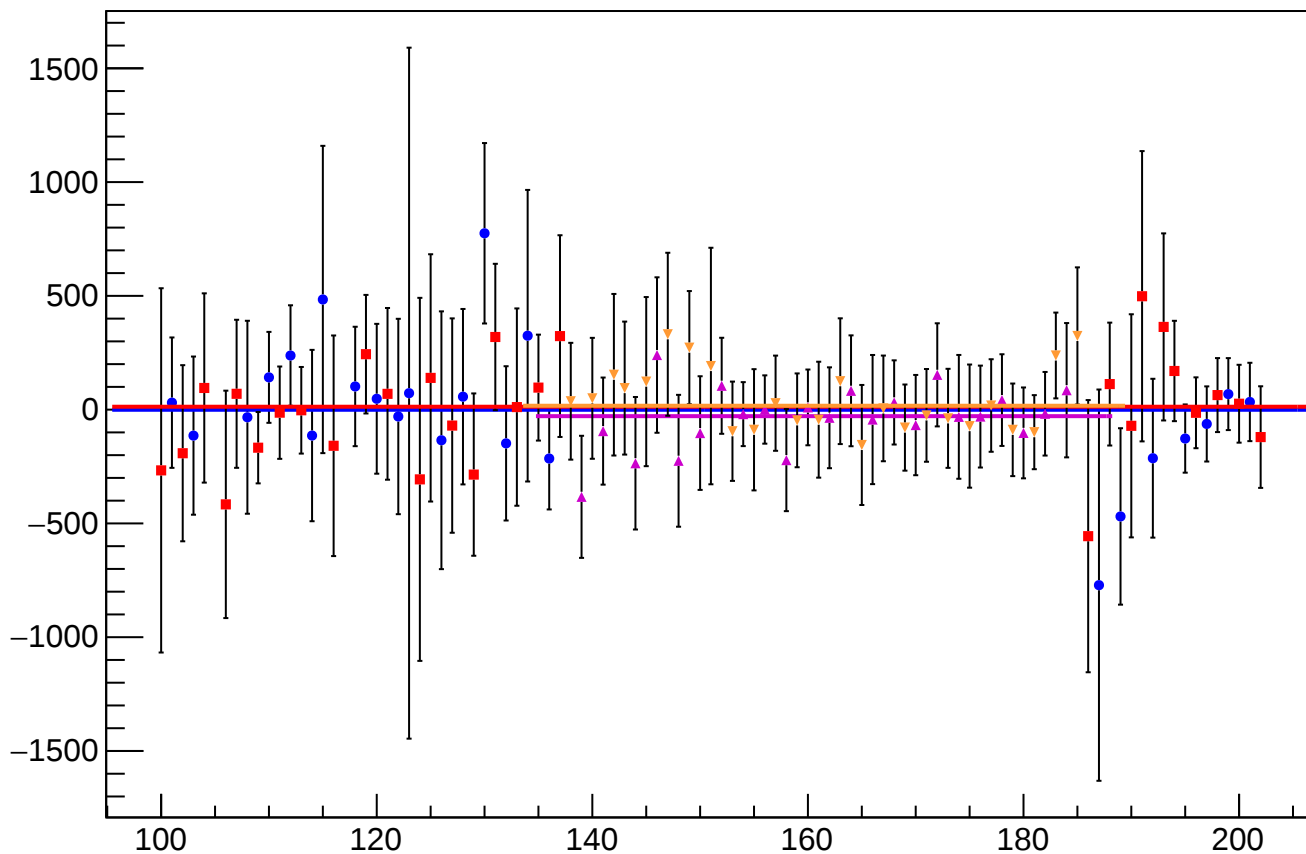
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 188.364 $\pm$ 0.026 χ^2 /NDF: 4010990.3/48

All: 182.193 $\pm$ 0.017 χ^2 /NDF: 8476617.4/100

- sign 176.814 $\pm$ 0.024 χ^2 /NDF: 4356399.1/51

asym_bcm_an_us_mean vs Slug



Right In: -0.557 ± 55.141 χ^2/NDF : 11.6/23

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 12.808 ± 50.974 χ^2/NDF : 9.3/28

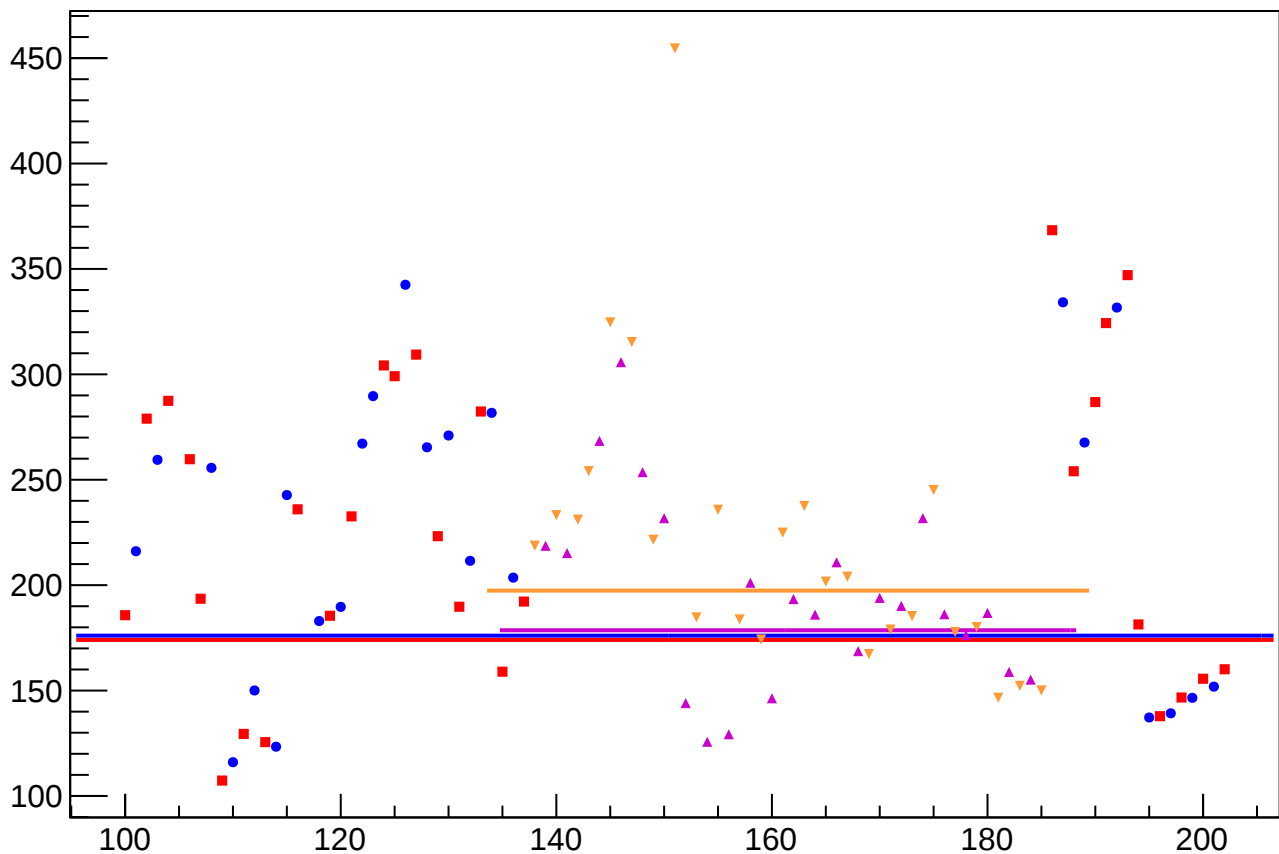
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign 9.559 ± 36.091 χ^2/NDF : 18.7/48

All: -1.195 ± 24.622 χ^2/NDF : 34.7/100

- sign -10.559 ± 33.676 χ^2/NDF : 15.8/51

asym_bcm_an_us_rms vs Slug



Right In: 176.036 $\pm$ 0.039 χ^2 /NDF: 2019118.7/23

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

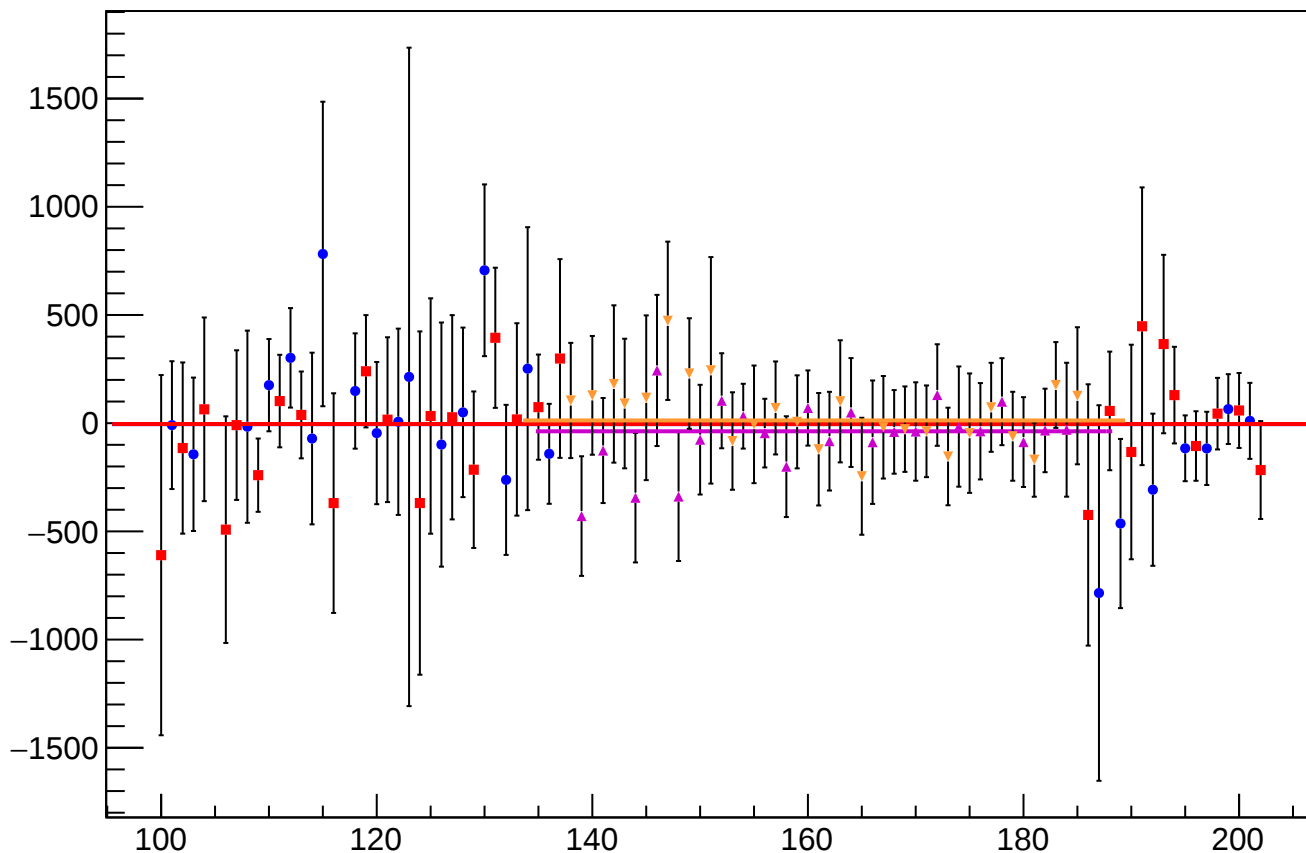
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 188.260 $\pm$ 0.026 χ^2 /NDF: 3971338.2/48

All: 182.028 $\pm$ 0.017 χ^2 /NDF: 8396399.7/100

- sign 176.603 $\pm$ 0.024 χ^2 /NDF: 4313522.6/51

asym_bcm_dg_us_mean vs Slug



Right In: -4.388 ± 56.491 χ^2/NDF : 12.7/23

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: -3.913 ± 52.511 χ^2/NDF : 11.5/28

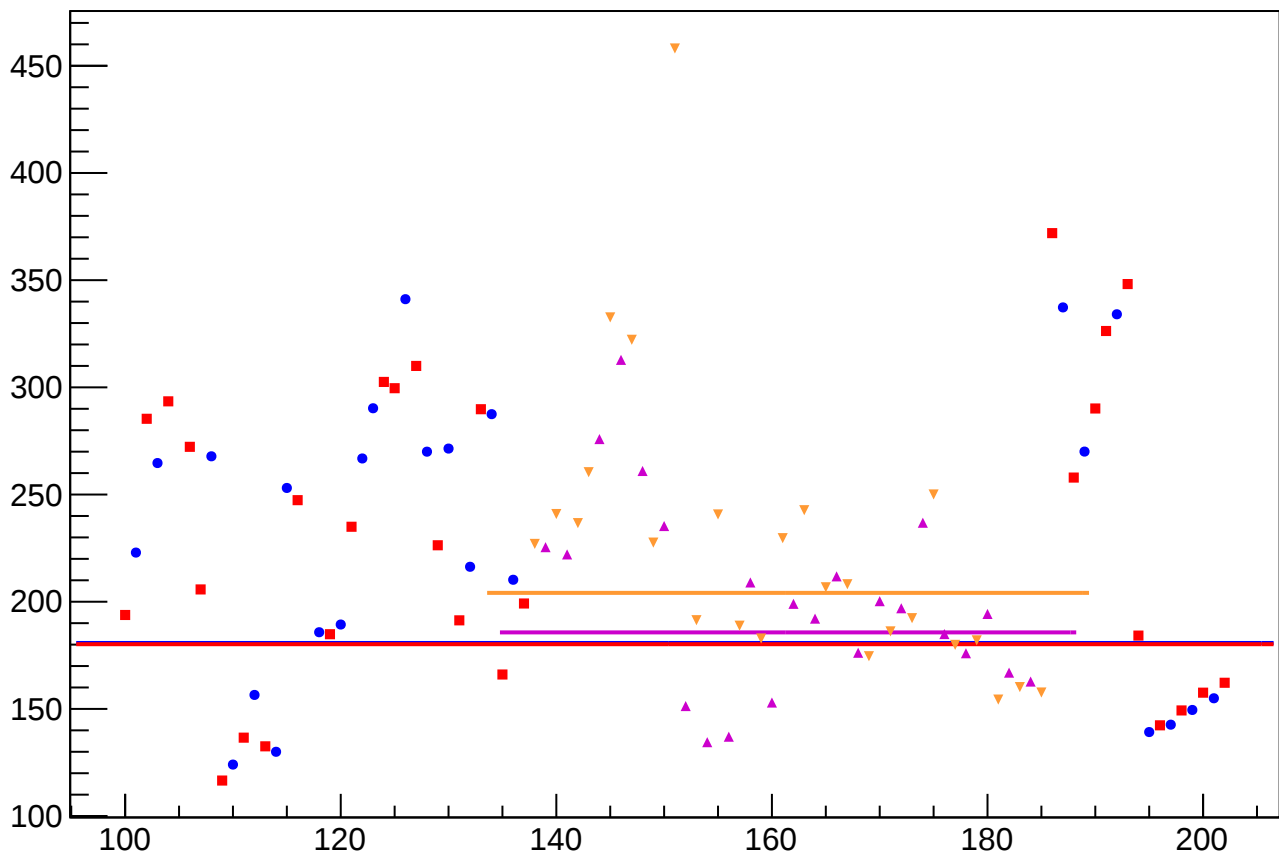
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign 5.284 ± 37.119 χ^2/NDF : 20.3/48

All: -9.621 ± 25.389 χ^2/NDF : 40.0/100

- sign -22.723 ± 34.804 χ^2/NDF : 19.4/51

asym_bcm_dg_us_rms vs Slug



Right In: 180.760 $\pm$ 0.040 χ^2 /NDF: 1935604.1/23

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

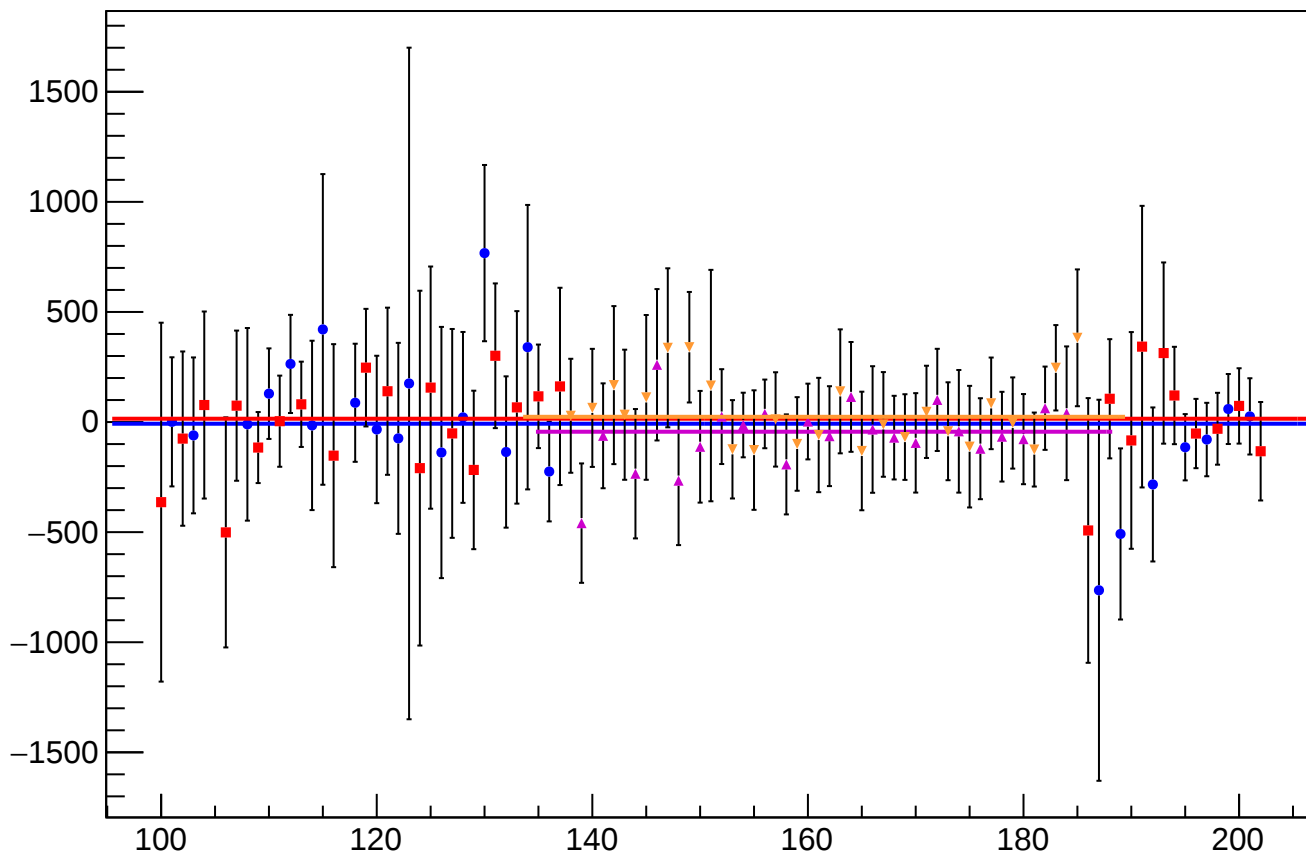
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 194.041 $\pm$ 0.026 χ^2 /NDF: 3802421.7/48

All: 188.311 $\pm$ 0.018 χ^2 /NDF: 7851062.3/100

- sign 183.274 $\pm$ 0.025 χ^2 /NDF: 3959088.7/51

asym_bcm_dg_ds_mean vs Slug



Right In: -7.617 ± 55.779 χ^2/NDF : 11.6/23

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 15.110 ± 51.641 χ^2/NDF : 7.4/28

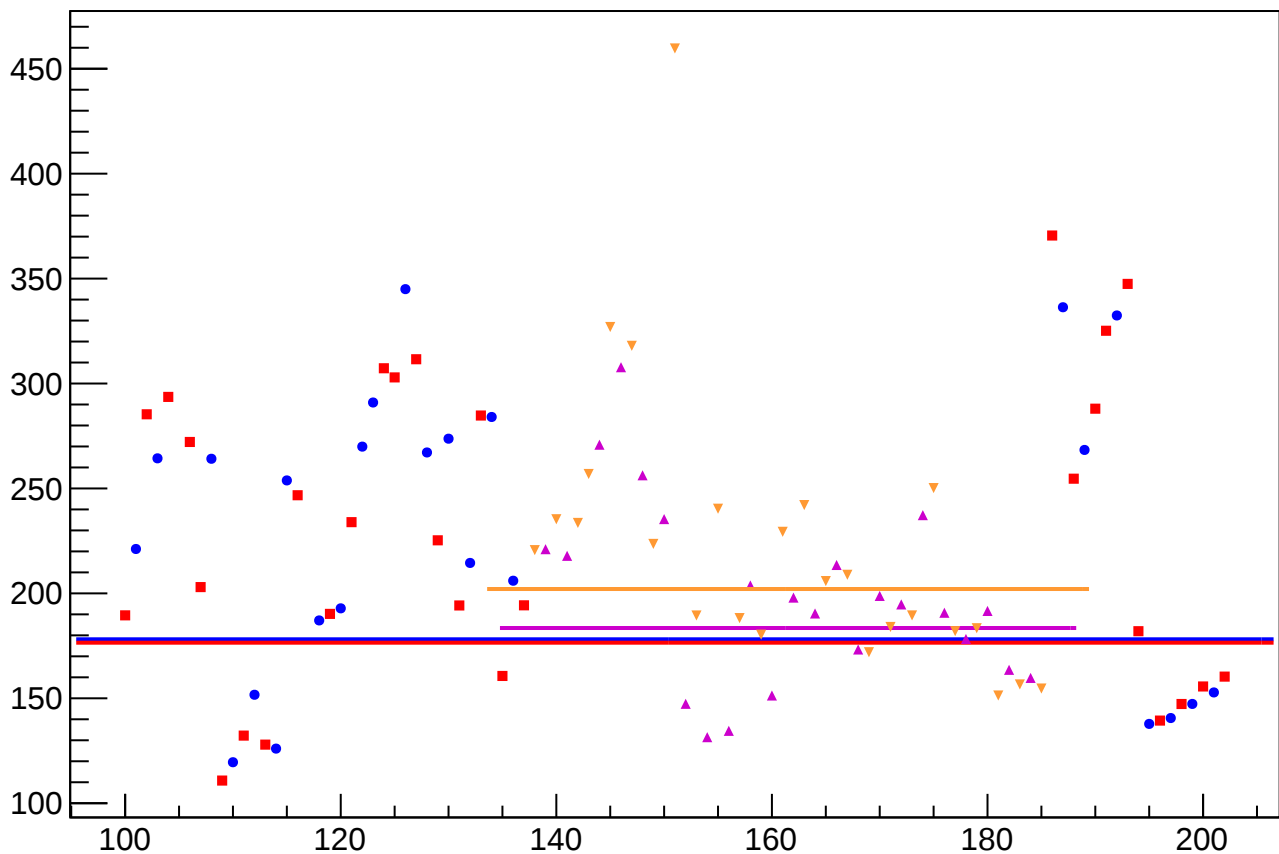
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign 10.209 ± 36.721 χ^2/NDF : 20.2/48

All: -4.759 ± 25.082 χ^2/NDF : 35.2/100

- sign -17.849 ± 34.341 χ^2/NDF : 14.6/51

asym_bcm_dg_ds_rms vs Slug



Right In: 178.119 $\pm$ 0.039 χ^2 /NDF: 2019449.3/23

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

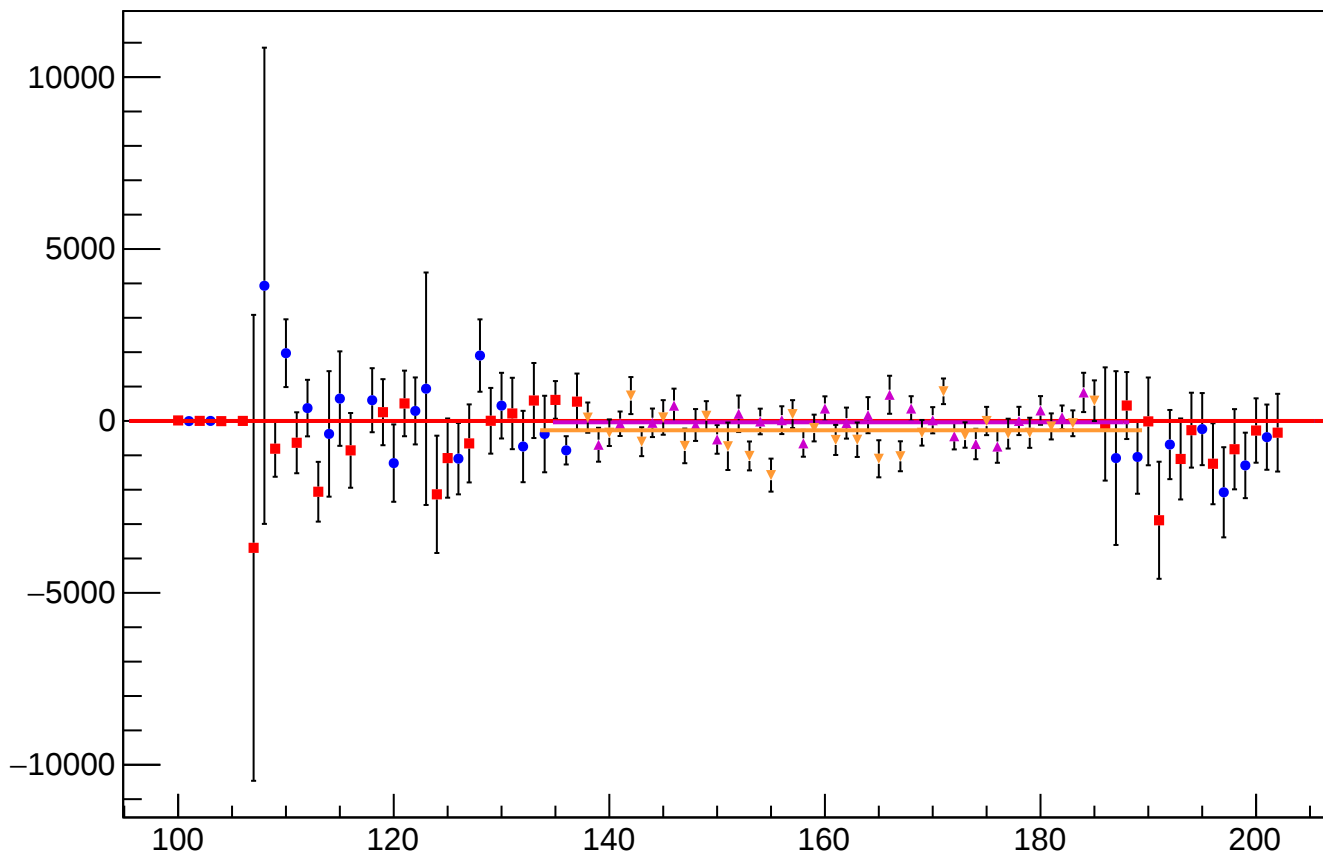
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 191.696 $\pm$ 0.026 χ^2 /NDF: 3921363.1/48

All: 185.673 $\pm$ 0.018 χ^2 /NDF: 8193294.7/100

- sign 180.405 $\pm$ 0.024 χ^2 /NDF: 4171064.0/51

asym_cav4bQ_mean vs Slug



Right In: -1.556 ± 2.251 χ^2/NDF : 23.7/23

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.742 ± 2.111 χ^2/NDF : 25.0/28

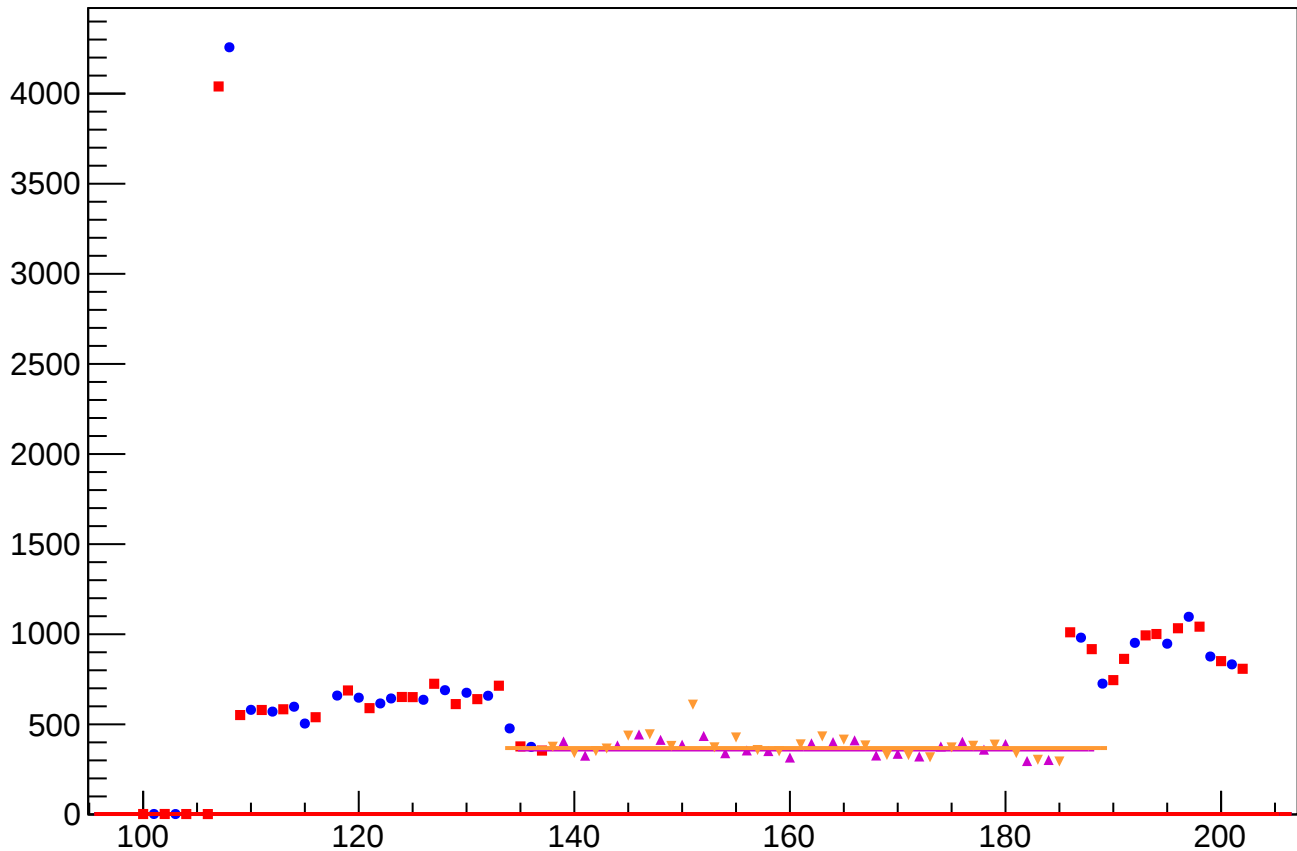
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.736 ± 2.251 χ^2/NDF : 71.4/48

All: -1.219 ± 1.540 χ^2/NDF : 116.9/100

- sign -0.764 ± 2.110 χ^2/NDF : 45.4/51

asym_cav4bQ_rms vs Slug



Right In: 2.482 $\pm$ 0.002 χ^2 /NDF: 20041133.6/23

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

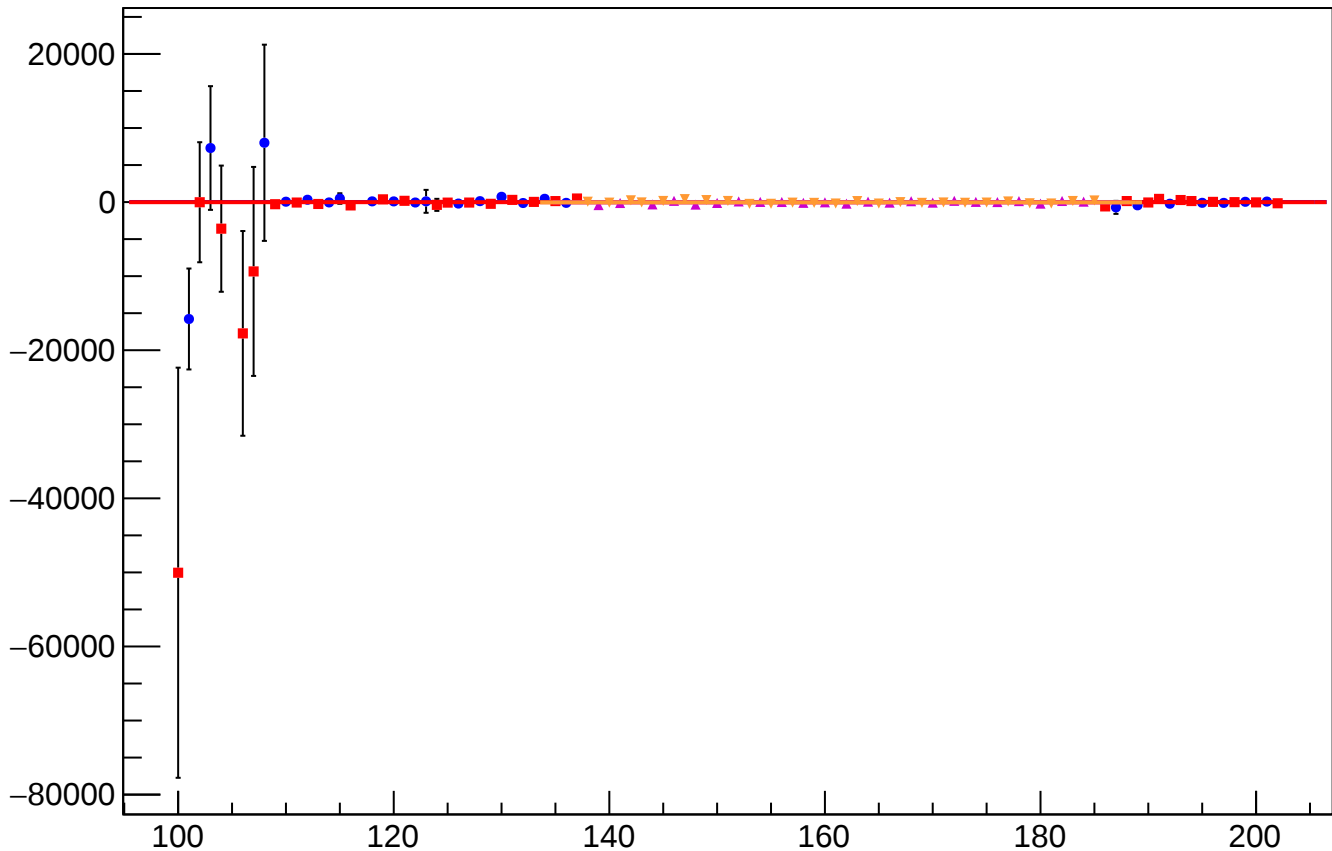
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF: 417739.4/22

+ sign 2.727 $\pm$ 0.002 χ^2 /NDF: 56045951.9/48

All: 2.699 $\pm$ 0.001 χ^2 /NDF: 113389788.8/100

- sign 2.674 $\pm$ 0.001 χ^2 /NDF: 57343229.8/51

asym_cav4cQ_mean vs Slug



Right In: 12.235+/-61.554 χ^2/NDF : 16.3/23

Left Out: -38.013+/-49.628 χ^2/NDF : 9.3/24

Right Out: -12.325+/-58.018 χ^2/NDF : 17.1/28

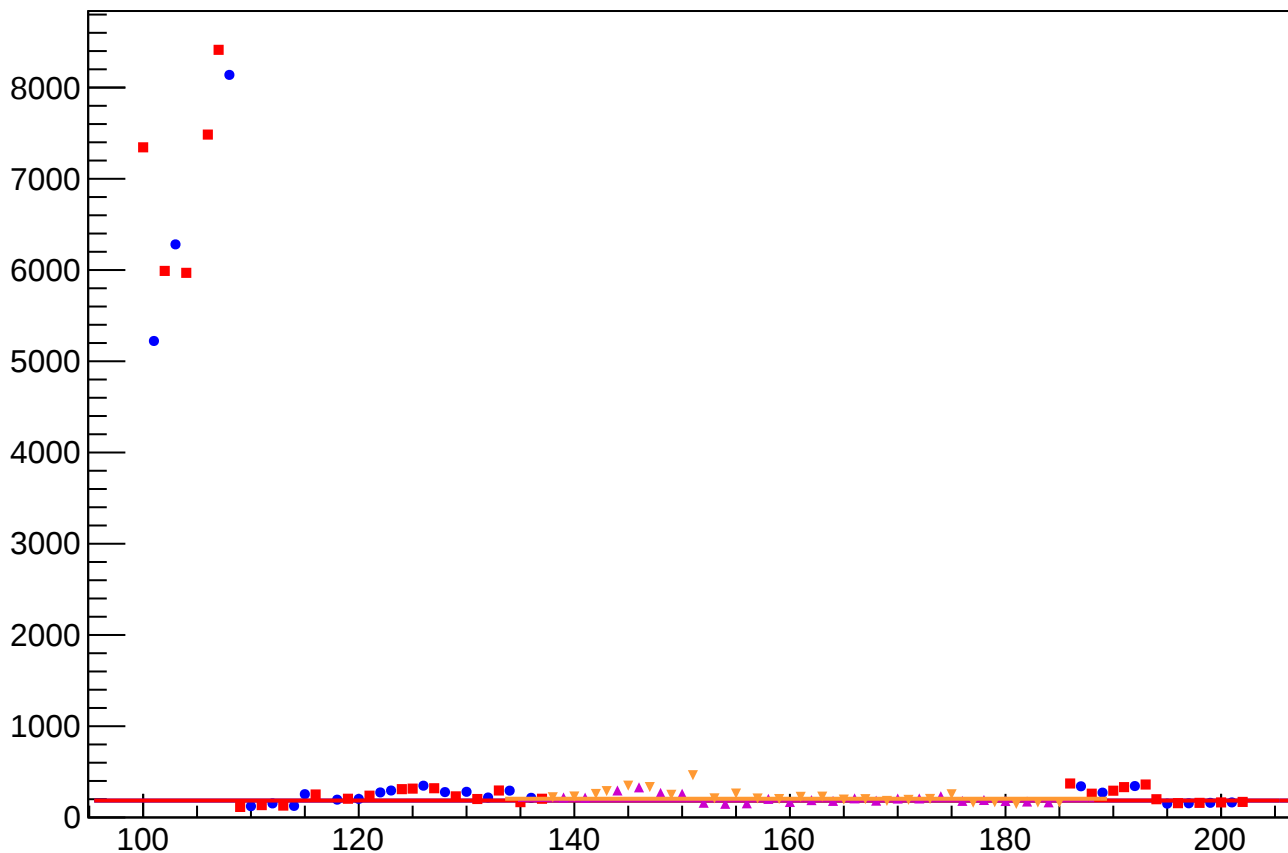
Left In: -28.205+/-48.167 χ^2/NDF : 9.2/22

+ sign -18.218+/-38.635 χ^2/NDF : 26.0/48

All: -20.045+/-26.745 χ^2/NDF : 52.4/100

- sign -21.726+/-37.060 χ^2/NDF : 26.4/51

asym_cav4cQ_rms vs Slug



Right In: 184.771 $\pm$ 0.044 χ^2 /NDF: 4480848.0/23

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 185.578 $\pm$ 0.041 χ^2 /NDF: 5330117.3/28

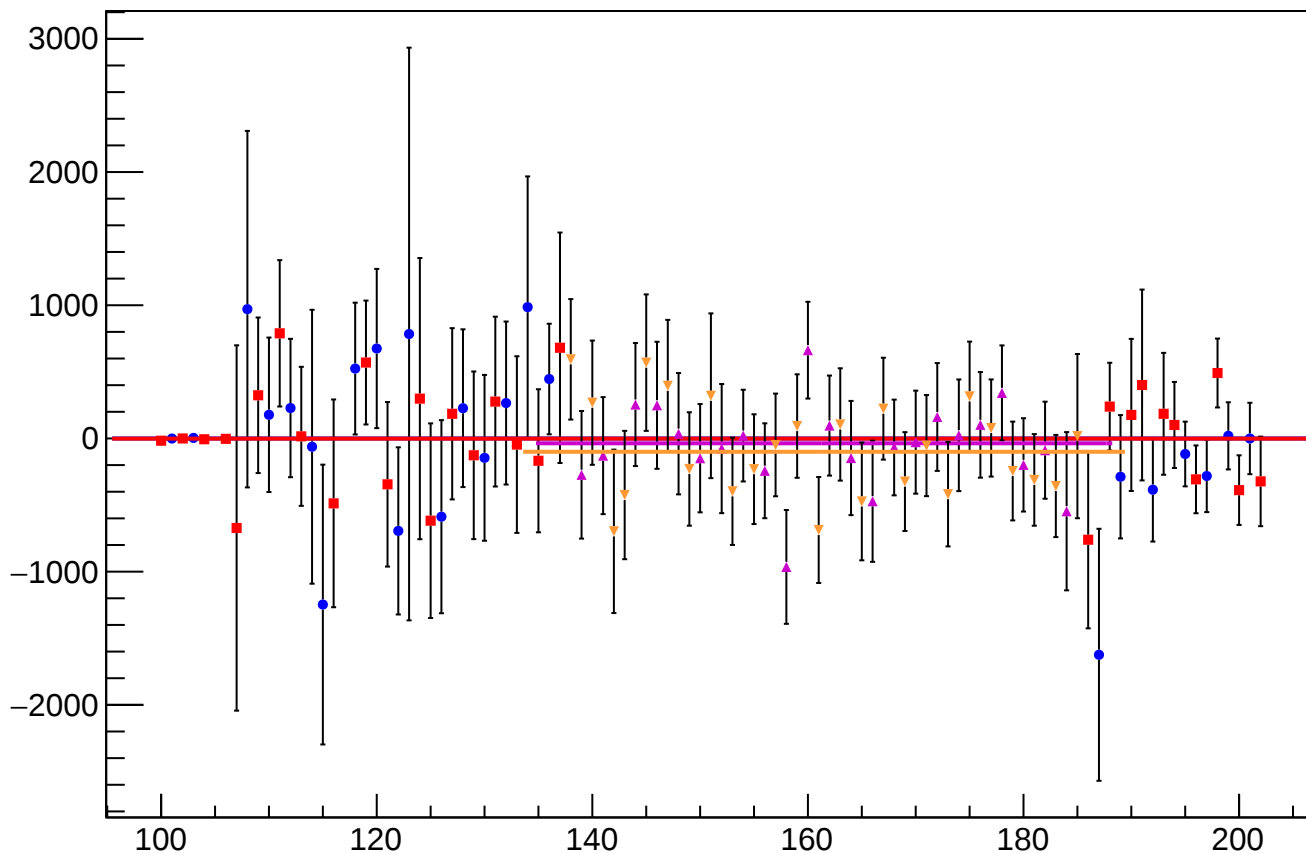
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 197.047 $\pm$ 0.027 χ^2 /NDF: 6568154.7/48

All: 193.487 $\pm$ 0.019 χ^2 /NDF: 13124594.6/10

- sign 190.211 $\pm$ 0.026 χ^2 /NDF: 6523833.7/51

asym_cav4dQ_mean vs Slug



Right In: -0.174 ± 1.736 χ^2/NDF : 15.7/23

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.328 ± 1.622 χ^2/NDF : 20.1/28

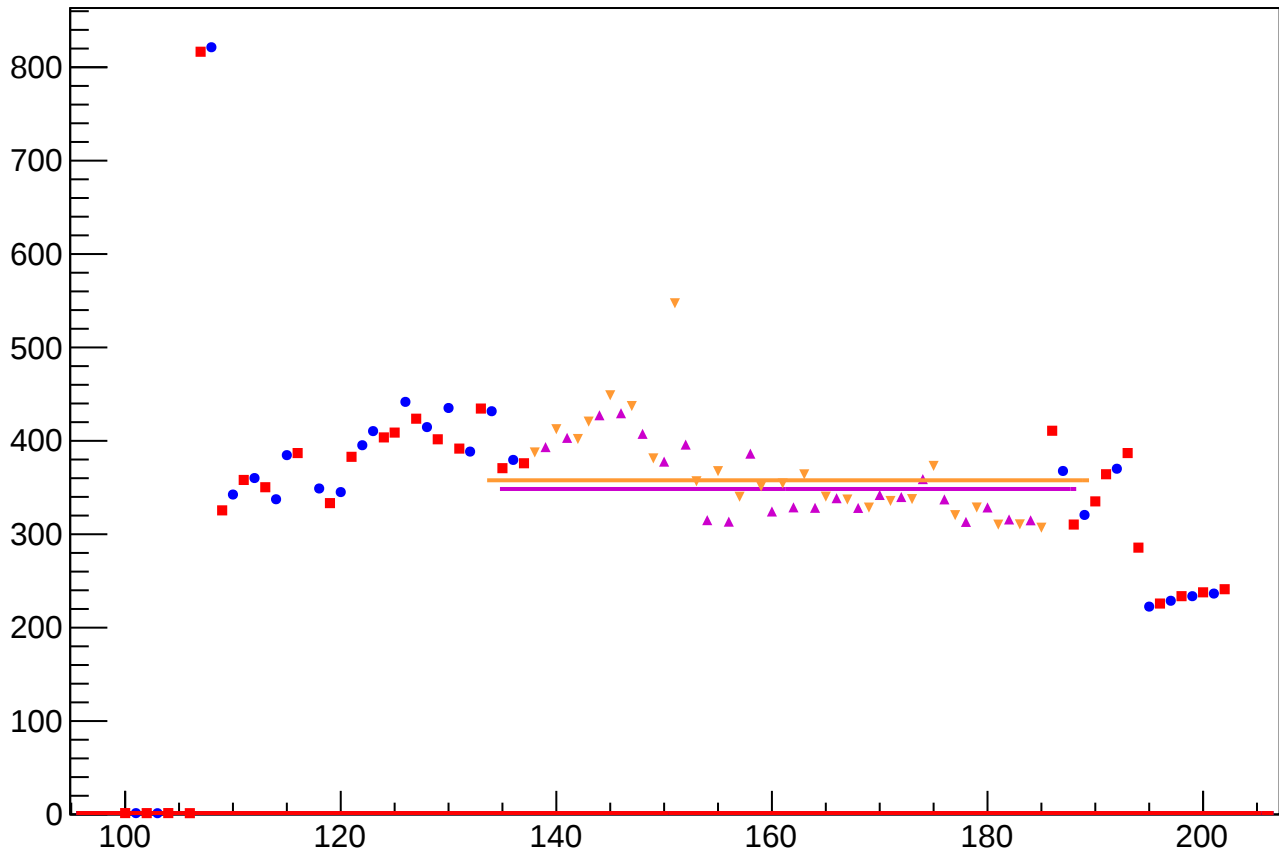
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.216 ± 1.736 χ^2/NDF : 32.8/48

All: -0.817 ± 1.185 χ^2/NDF : 66.8/100

- sign -1.341 ± 1.622 χ^2/NDF : 33.8/51

asym_cav4dQ_rms vs Slug



Right In: 1.507+/-0.001 χ^2/NDF : 20259104.4/23

Left Out: 357.771+/-0.060 χ^2/NDF : 547124.8/24

Right Out: 1.510+/-0.001 χ^2/NDF : 23340775.4/28

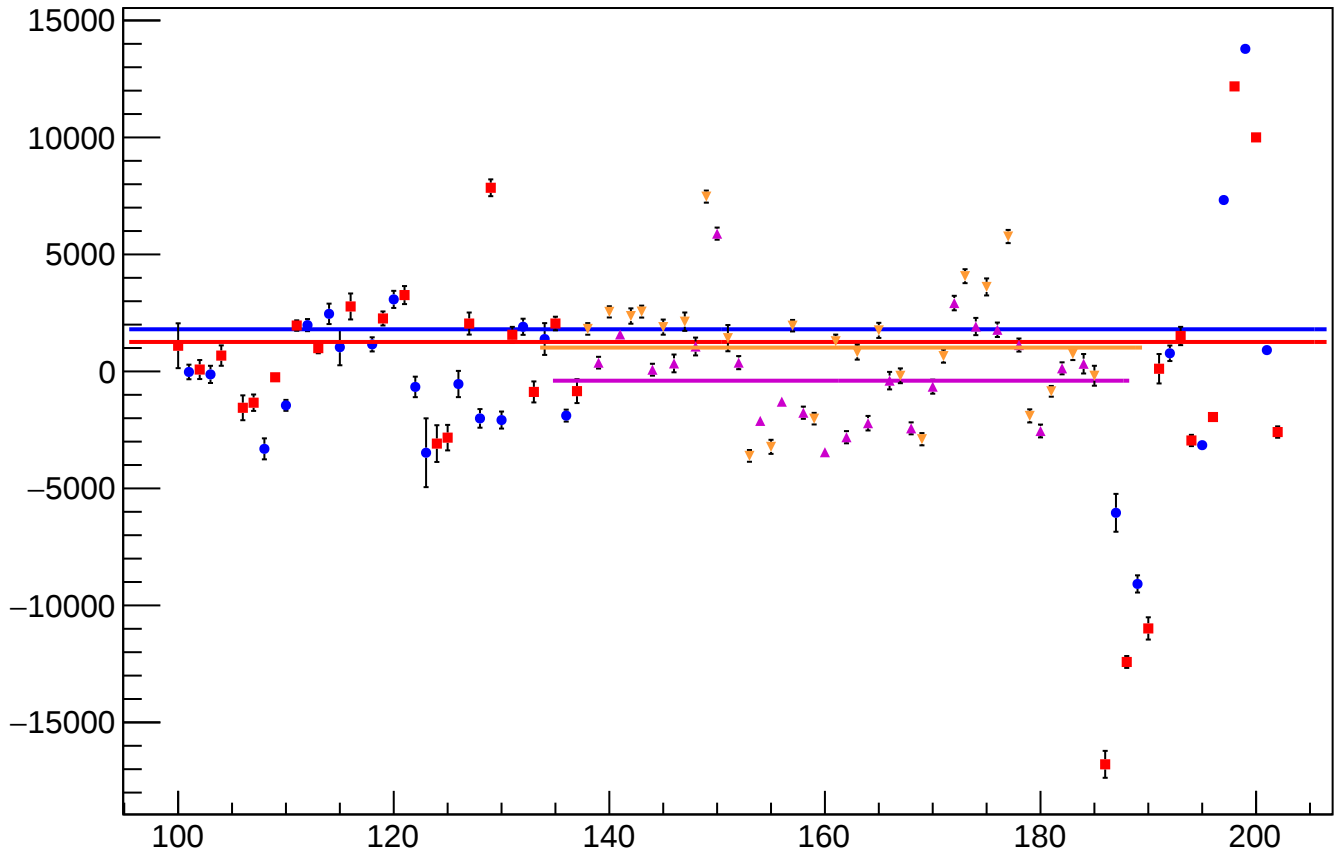
Left In: 348.464+/-0.060 χ^2/NDF : 360425.7/22

+ sign 1.659+/-0.001 χ^2/NDF : 56605195.1/48

All: 1.647+/-0.001 χ^2/NDF : 113872602.3/100

- sign 1.638+/-0.001 χ^2/NDF : 57267251.5/51

asym_bcm0l02_mean vs Slug



Right In: 1801.107 $\pm$ 61.313 χ^2 /NDF: 7987.8/23

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

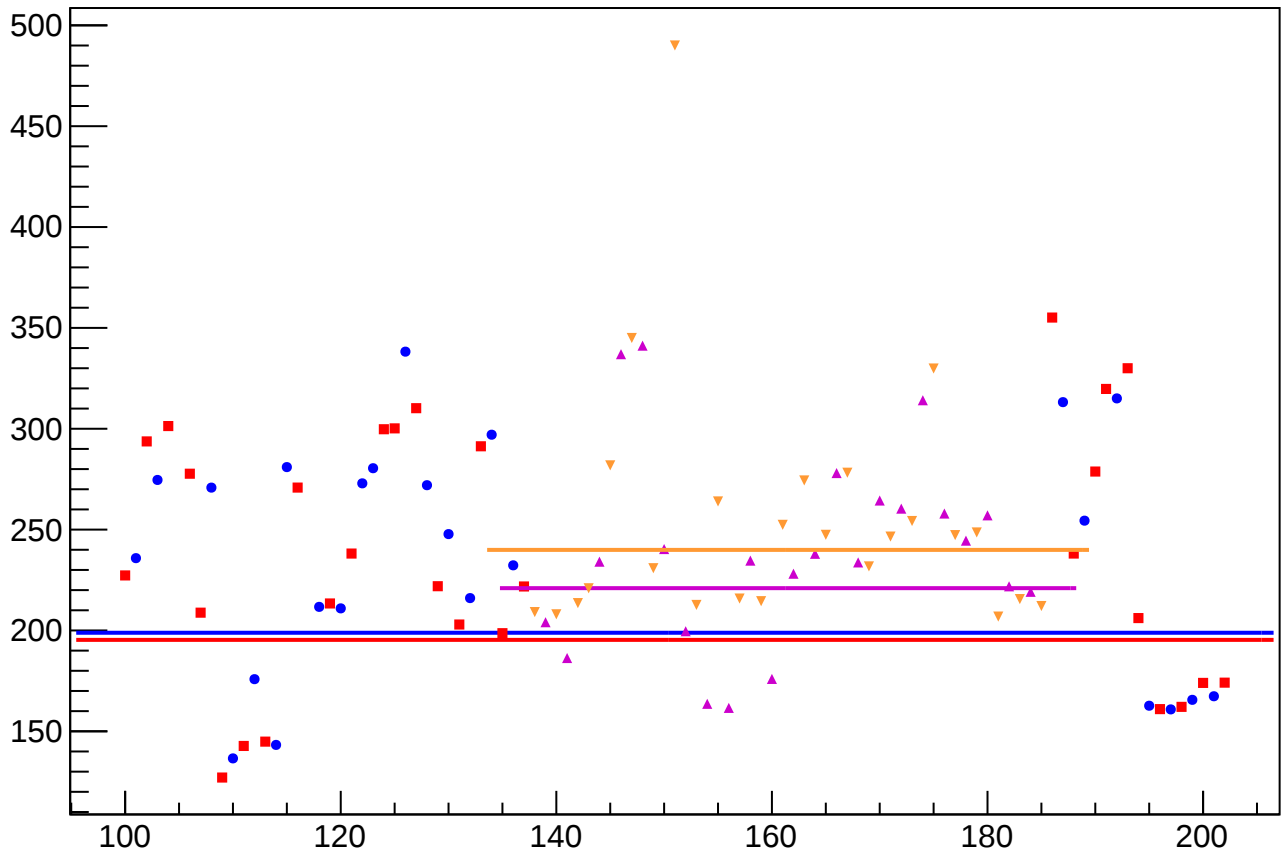
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF:1581.0/22

+ sign 1384.299 $\pm$ 41.904 χ^2 /NDF: 10384.7/48

All: 869.176 $\pm$ 28.673 χ^2 /NDF: 24587.5/100

- sign 415.608 $\pm$ 39.320 χ^2 /NDF: 13918.6/51

asym_bcm0l02_rms vs Slug



Right In: 198.861 ± 0.043 χ^2/NDF : 1371865.1/23

Left Out: 239.942 ± 0.041 χ^2/NDF : 1000770.0/24

Right Out: 195.332 ± 0.040 χ^2/NDF : 1961576.2/28

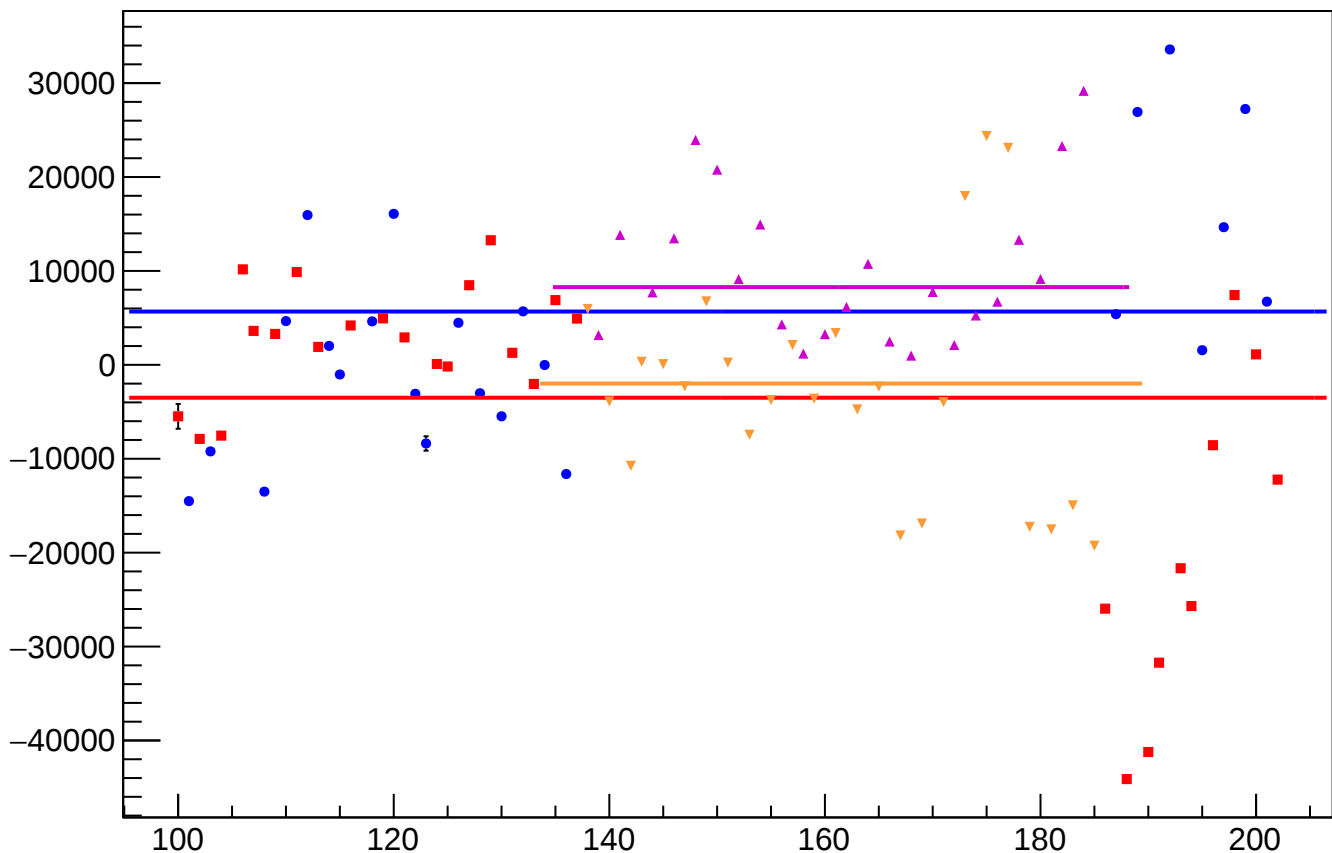
Left In: 220.972 ± 0.039 χ^2/NDF : 1327680.6/22

+ sign 220.753 ± 0.030 χ^2/NDF : 2851112.7/48

All: 214.181 ± 0.020 χ^2/NDF : 6445422.9/100

- sign 208.393 ± 0.028 χ^2/NDF : 3501784.5/51

asym_bpm0i02WS_mean vs Slug



Right In: 5675.661+/-45.367 χ^2/NDF : 84673.6/23

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -3501.445+/-42.017 χ^2/NDF : 132040.1/28

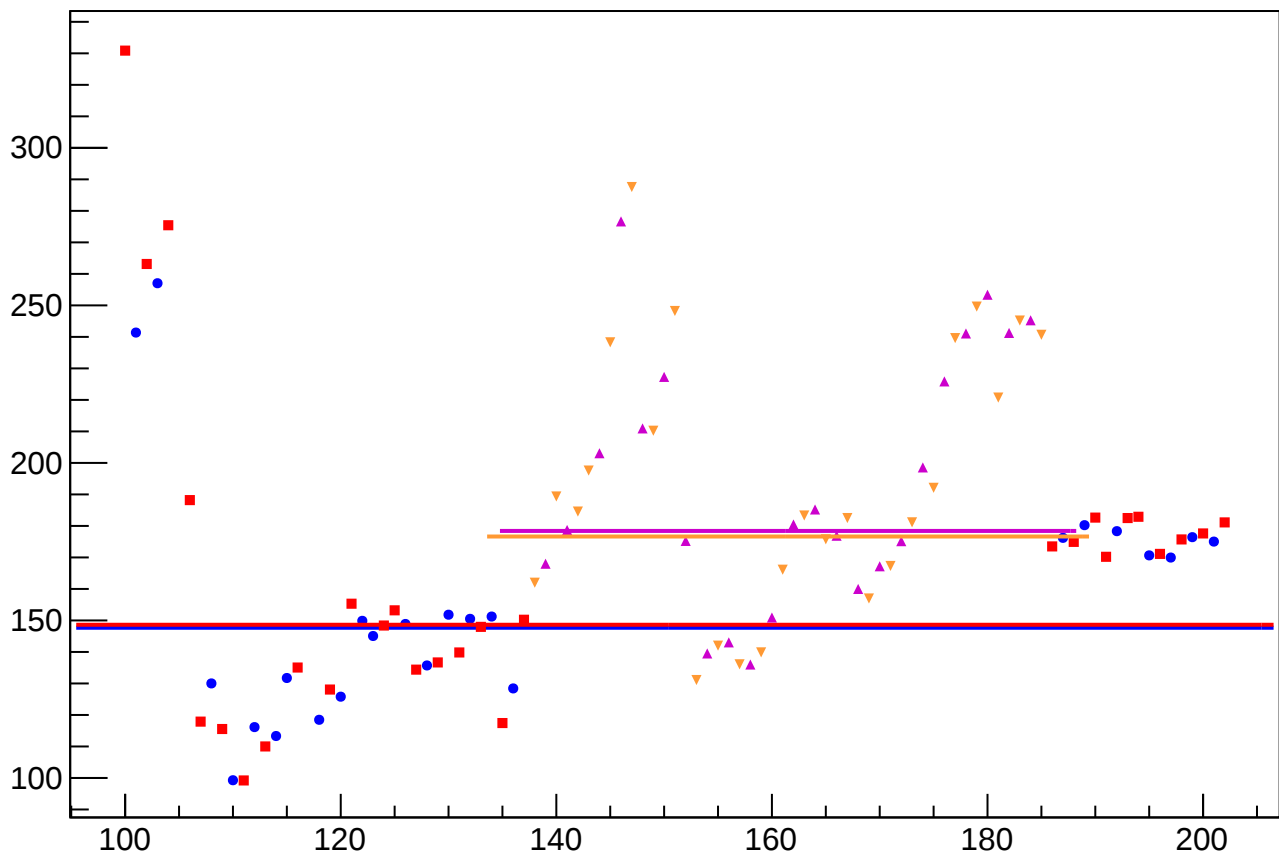
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 1585.450+/-30.988 χ^2/NDF : 163677.8/48

All: 1833.972+/-21.732 χ^2/NDF : 355904.1/10

- sign 2074.516+/-30.486 χ^2/NDF : 192099.7/51

asym_bpm0i02WS_rms vs Slug



Right In: 147.684+/-0.032 χ^2/NDF : 993110.2/23

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 148.632+/-0.030 χ^2/NDF : 1353383.1/28

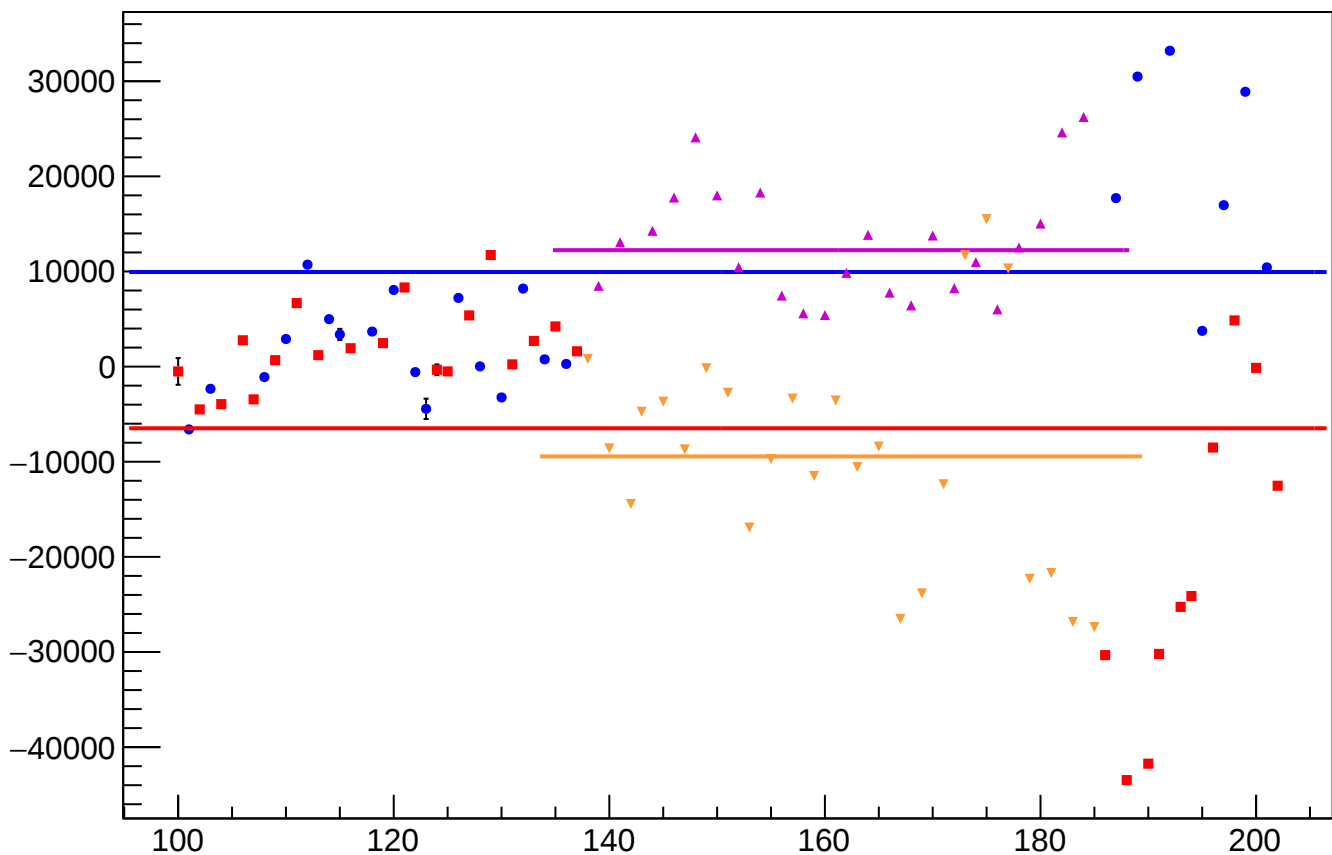
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 163.131+/-0.022 χ^2/NDF : 2978808.2/48

All: 162.930+/-0.015 χ^2/NDF : 6101915.2/100

- sign 162.735+/-0.022 χ^2/NDF : 3122940.8/51

asym_bpm0i02aWS_mean vs Slug



Right In: 9942.915 ± 53.109 $\chi^2/\text{NDF}: 45569.6/23$

Left Out: -9437.408 ± 45.534 $\chi^2/\text{NDF}: 62220.4/24$

Right Out: -6480.357 ± 48.304 $\chi^2/\text{NDF}: 102127.7/28$

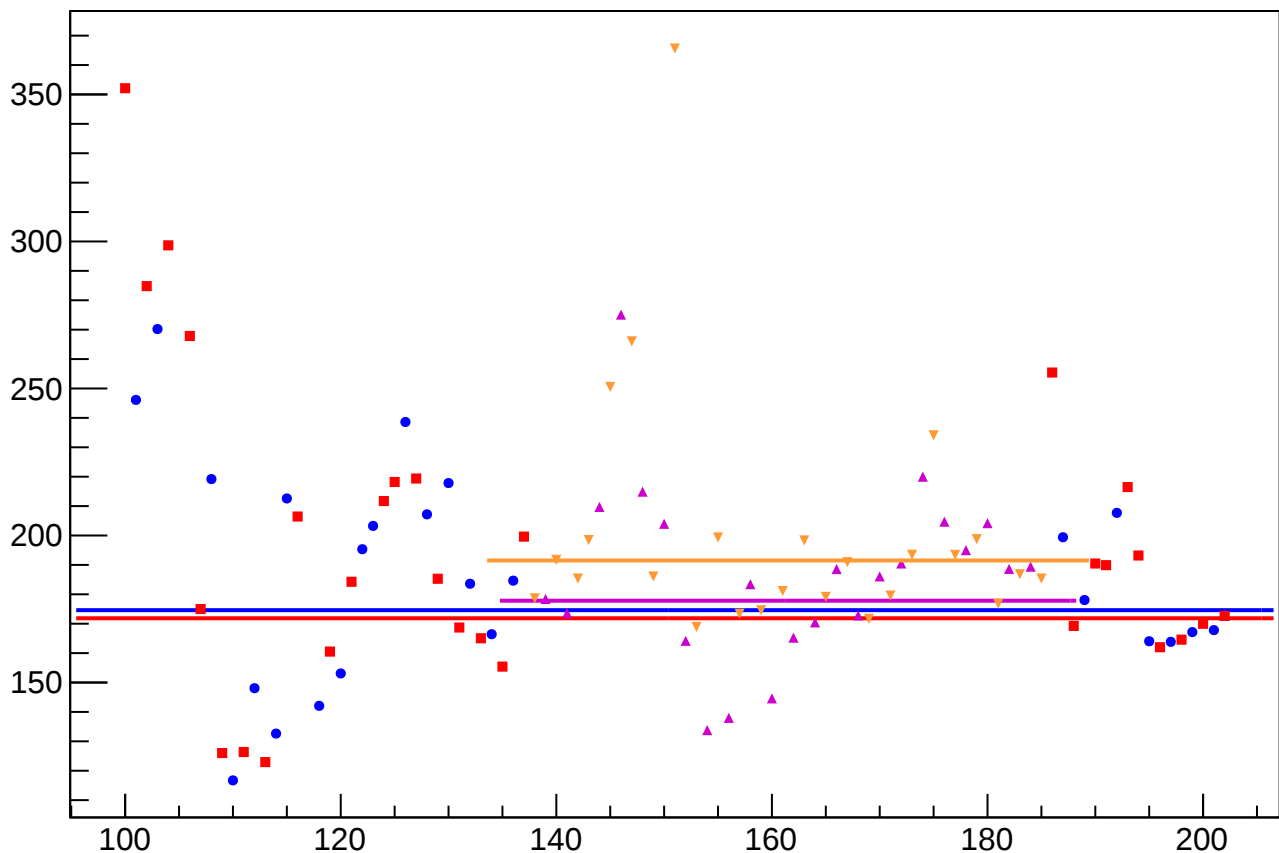
Left In: 12242.226 ± 43.944 $\chi^2/\text{NDF}: 16615.8/22$

+ sign -1226.758 ± 34.568 $\chi^2/\text{NDF}: 184536.9/48$

All: 1421.846 ± 23.681 $\chi^2/\text{NDF}: 396542.0/10$

- sign 3763.796 ± 32.506 $\chi^2/\text{NDF}: 200943.8/51$

asym_bpm0i02aWS_rms vs Slug



Right In: 174.606+/-0.038 χ^2/NDF : 758043.5/23

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 171.850+/-0.034 χ^2/NDF : 1123599.9/28

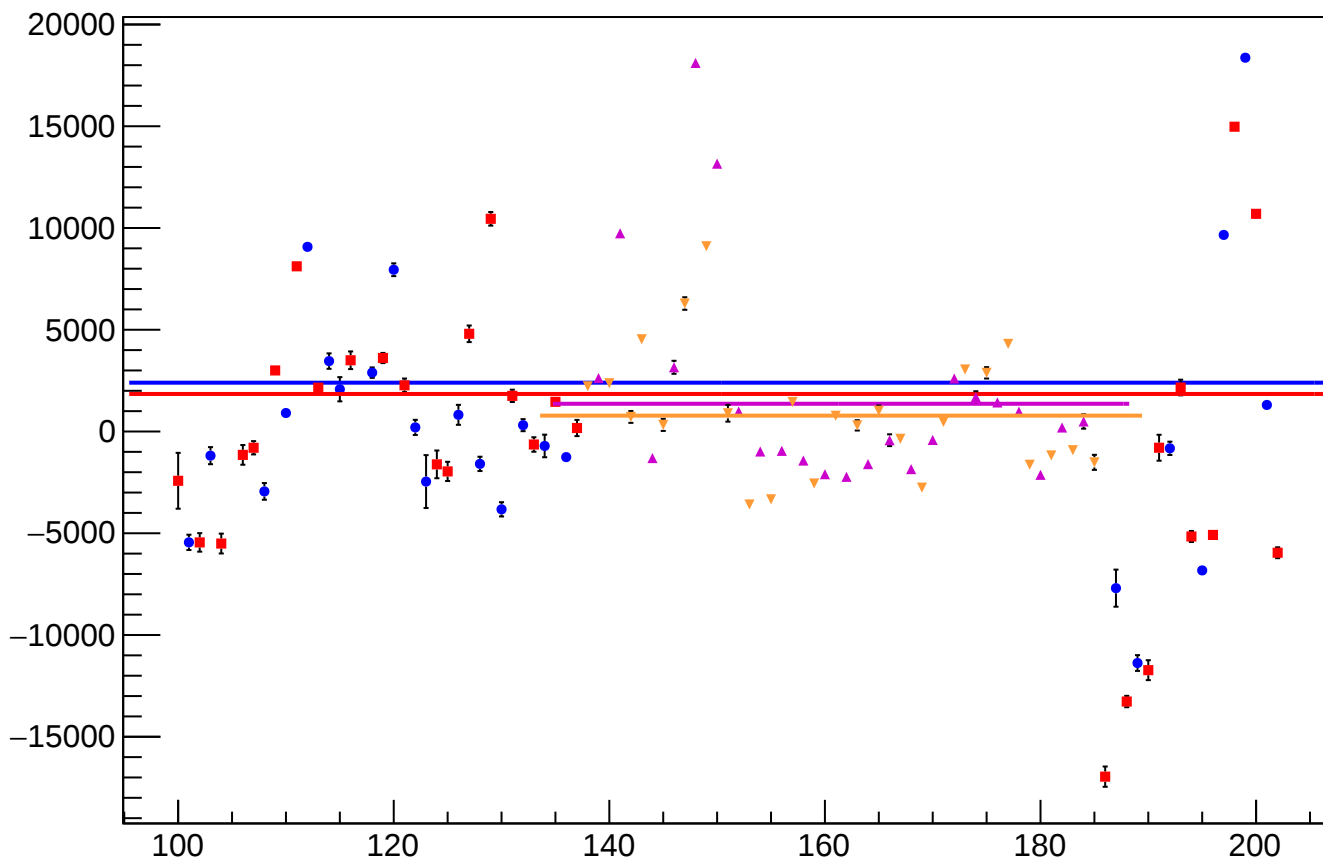
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 184.347+/-0.024 χ^2/NDF : 1602027.3/48

All: 179.448+/-0.017 χ^2/NDF : 3680505.7/100

- sign 175.117+/-0.023 χ^2/NDF : 2002818.0/51

asym_bpm0i05WS_mean vs Slug



Right In: 2399.071+/-59.614 χ^2/NDF : 14191.0/23

Left Out: 779.983+/-47.457 χ^2/NDF : 4260.8/24

Right Out: 1844.516+/-54.666 χ^2/NDF : 16534.3/28

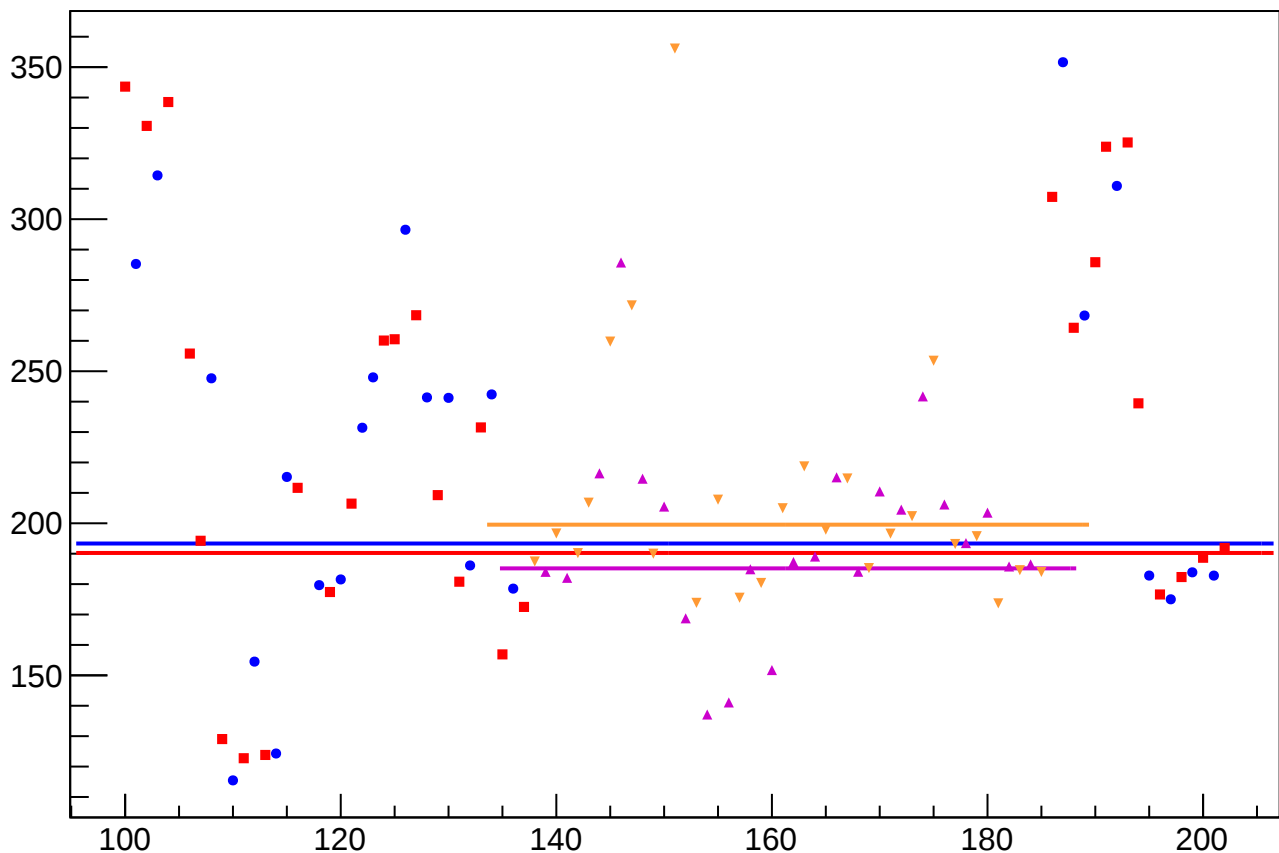
Left In: 1363.043+/-45.807 χ^2/NDF : 11632.9/22

+ sign 1408.042+/-37.129 χ^2/NDF : 18903.2/48

All: 1489.137+/-25.510 χ^2/NDF : 47125.0/100

- sign 1561.652+/-35.110 χ^2/NDF : 28212.7/51

asym_bpm0i05WS_rms vs Slug



Right In: 193.348 $\pm$ 0.042 χ^2 /NDF: 1406215.6/23

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

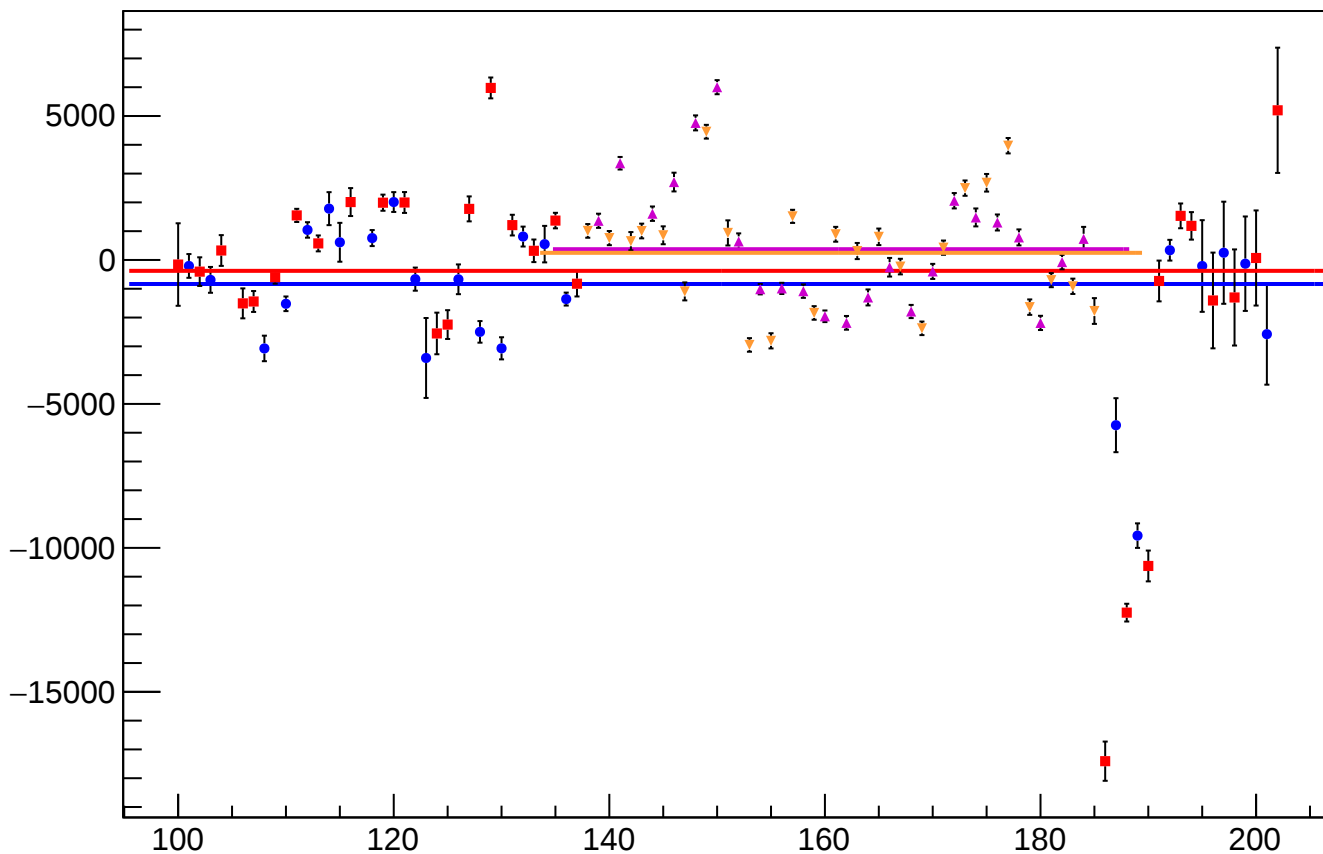
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 197.142 $\pm$ 0.026 χ^2 /NDF: 2148806.9/48

All: 191.927 $\pm$ 0.018 χ^2 /NDF: 5244075.6/100

- sign 187.263 $\pm$ 0.025 χ^2 /NDF: 3020512.4/51

asym_bpm0i07WS_mean vs Slug



Right In: -834.893 ± 83.739 $\chi^2/\text{NDF}: 761.1/23$

Left Out: 247.844 ± 53.555 $\chi^2/\text{NDF}: 1355.1/24$

Right Out: -377.934 ± 75.140 $\chi^2/\text{NDF}: 3169.1/28$

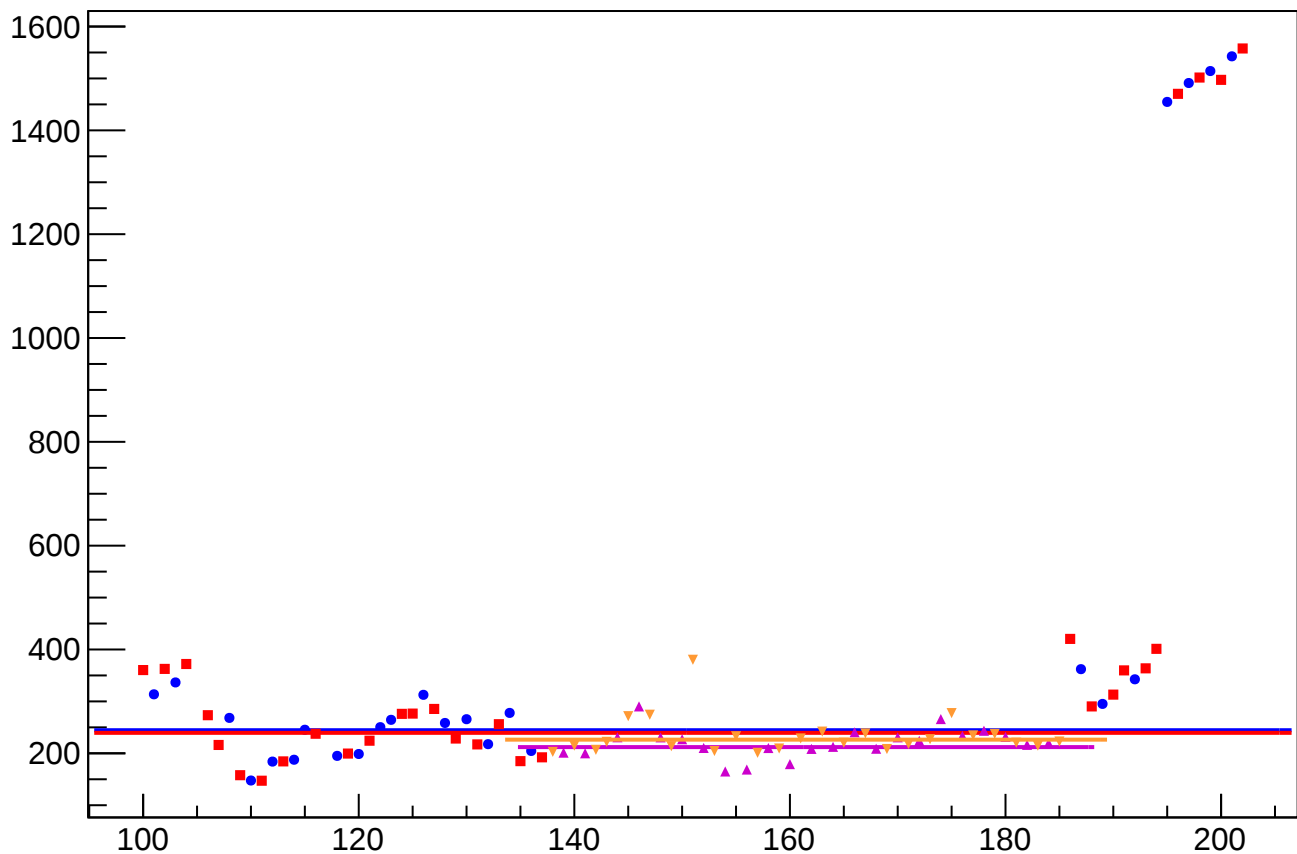
Left In: 374.122 ± 52.049 $\chi^2/\text{NDF}: 1801.0/22$

+ sign -66.460 ± 45.117 $\chi^2/\text{NDF}: 2234.9/48$

All: 37.118 ± 31.046 $\chi^2/\text{NDF}: 7282.7/100$

- sign 130.272 ± 42.787 $\chi^2/\text{NDF}: 5037.8/51$

asym_bpm0i07WS_rms vs Slug



Right In: 244.489+/-0.059 χ^2/NDF : 5427704.9/23

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 239.449+/-0.053 χ^2/NDF : 5967447.8/28

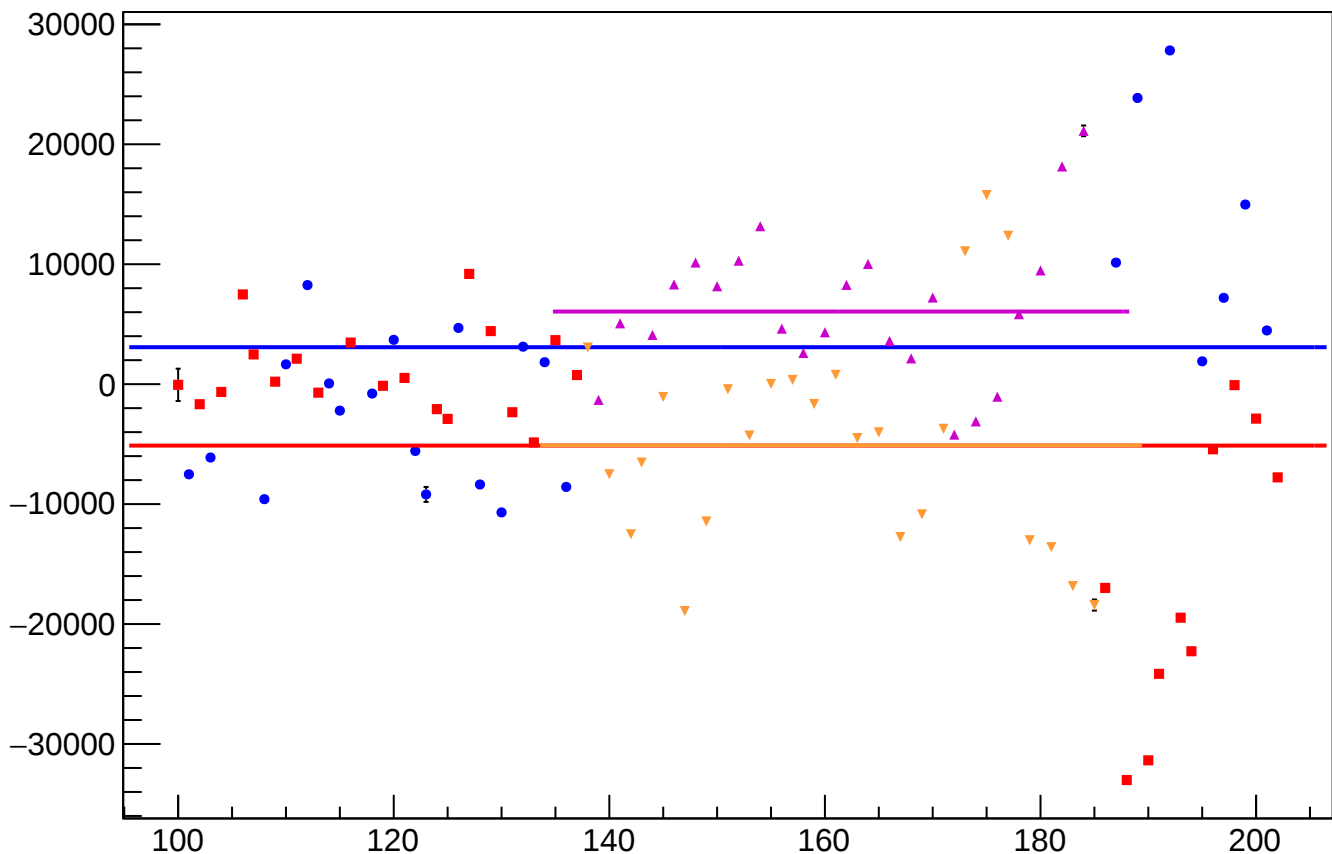
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 231.595+/-0.032 χ^2/NDF : 6015556.3/48

All: 225.954+/-0.022 χ^2/NDF : 12807498.0/10

- sign 220.880+/-0.030 χ^2/NDF : 6732546.7/51

asym_bpm1i02WS_mean vs Slug



Right In: 3081.097 $\pm$ 38.563 χ^2 /NDF: 73214.0/23

Left Out: -5095.305 $\pm$ 33.703 χ^2 /NDF: 54395.4/24

Right Out: -5121.595 $\pm$ 35.401 χ^2 /NDF: 100997.5/28

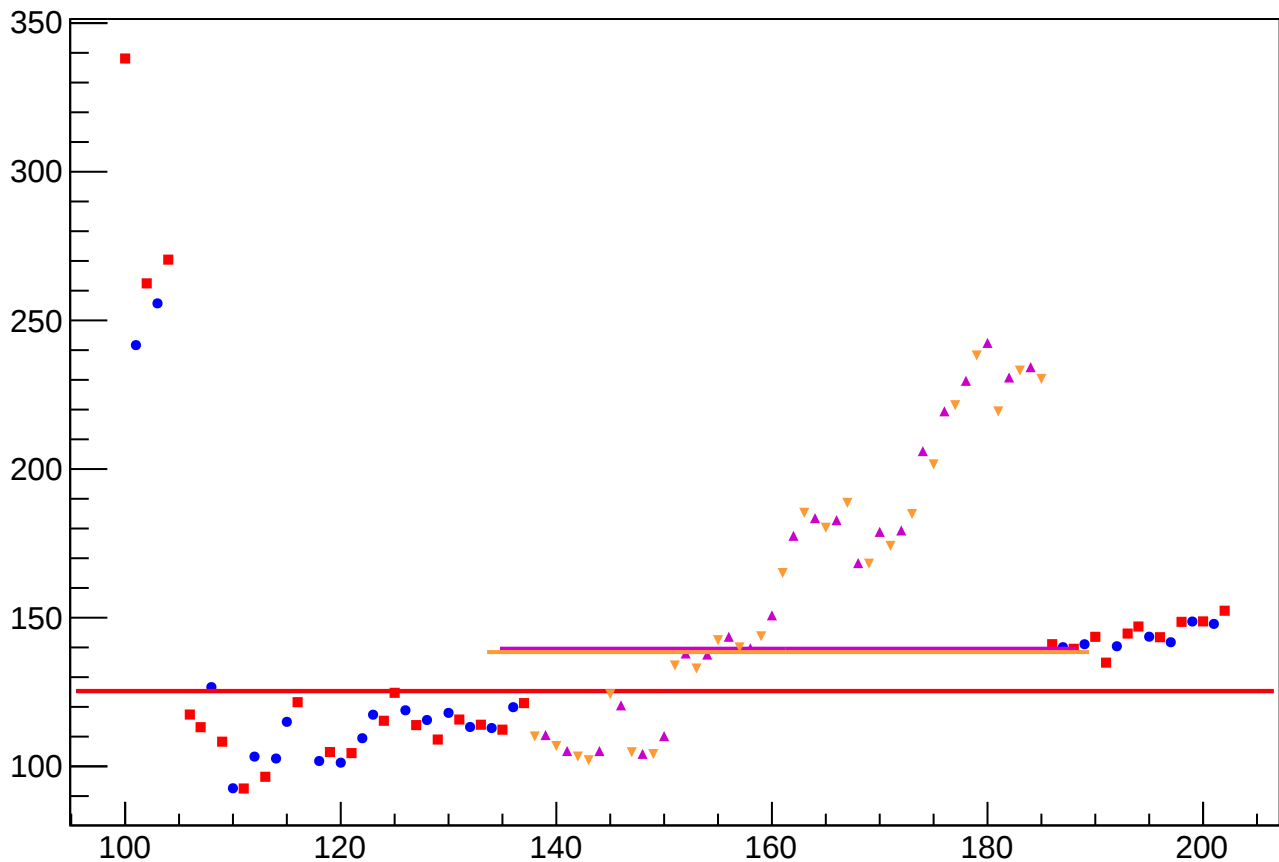
Left In: 6053.569 $\pm$ 34.998 χ^2 /NDF: 17590.3/22

+ sign -1554.420 $\pm$ 25.377 χ^2 /NDF: 153096.7/48

All: -491.989 $\pm$ 17.769 χ^2 /NDF: 325518.6/10

- sign 529.926 $\pm$ 24.889 χ^2 /NDF: 168983.3/51

asym_bpm1i02WS_rms vs Slug



Right In: 125.263 $\pm$ 0.027 χ^2 /NDF: 985803.1/23

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 125.375 $\pm$ 0.025 χ^2 /NDF: 1178338.6/28

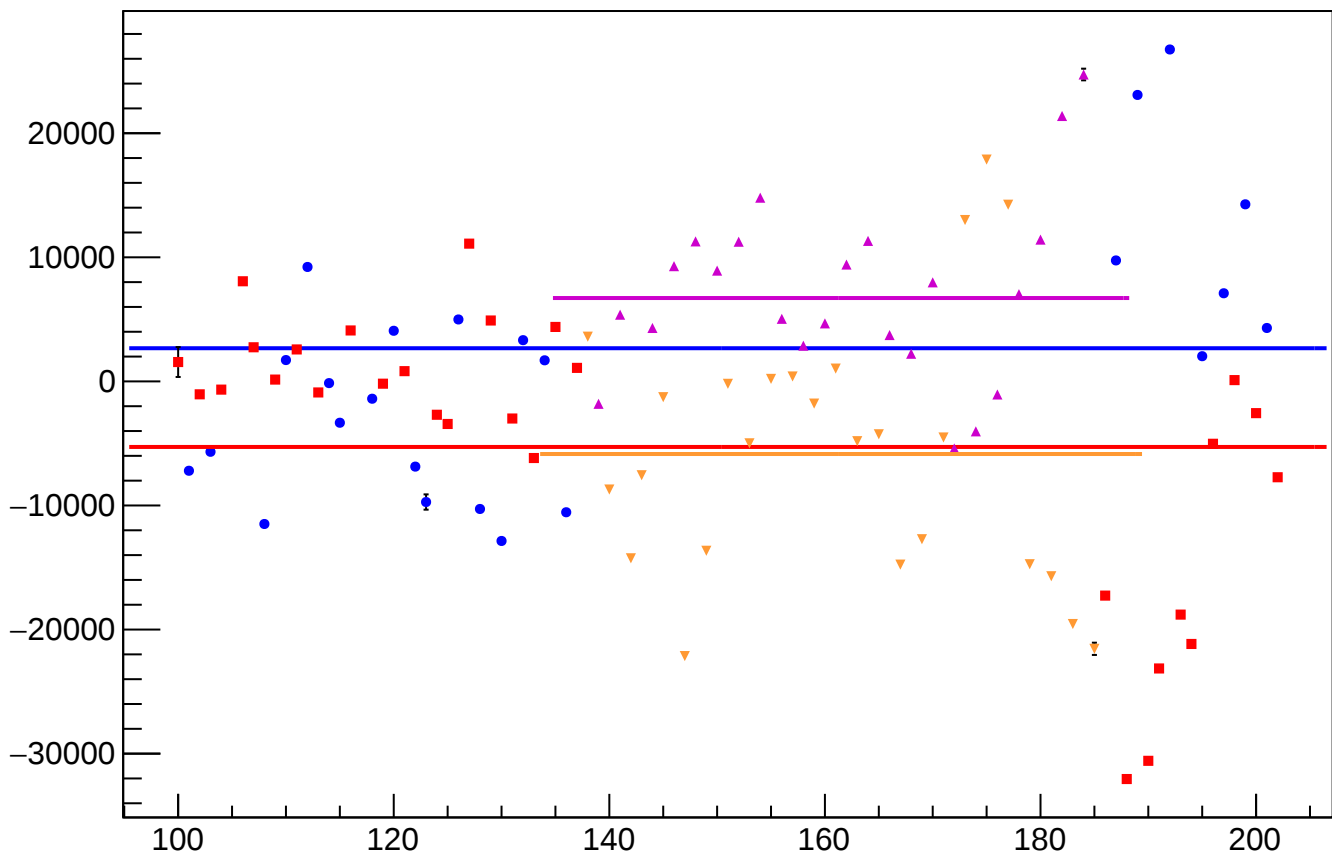
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 132.731 $\pm$ 0.018 χ^2 /NDF: 3667549.6/48

All: 132.643 $\pm$ 0.013 χ^2 /NDF: 7422391.2/100

- sign 132.558 $\pm$ 0.018 χ^2 /NDF: 3754794.1/51

asym_bpm2i01WS_mean vs Slug



Right In: 2672.765+/-38.919 χ^2/NDF : 78234.9/23

Left Out: -5852.544+/-35.880 χ^2/NDF : 63411.4/24

Right Out: -5283.529+/-35.795 χ^2/NDF : 101519.4/28

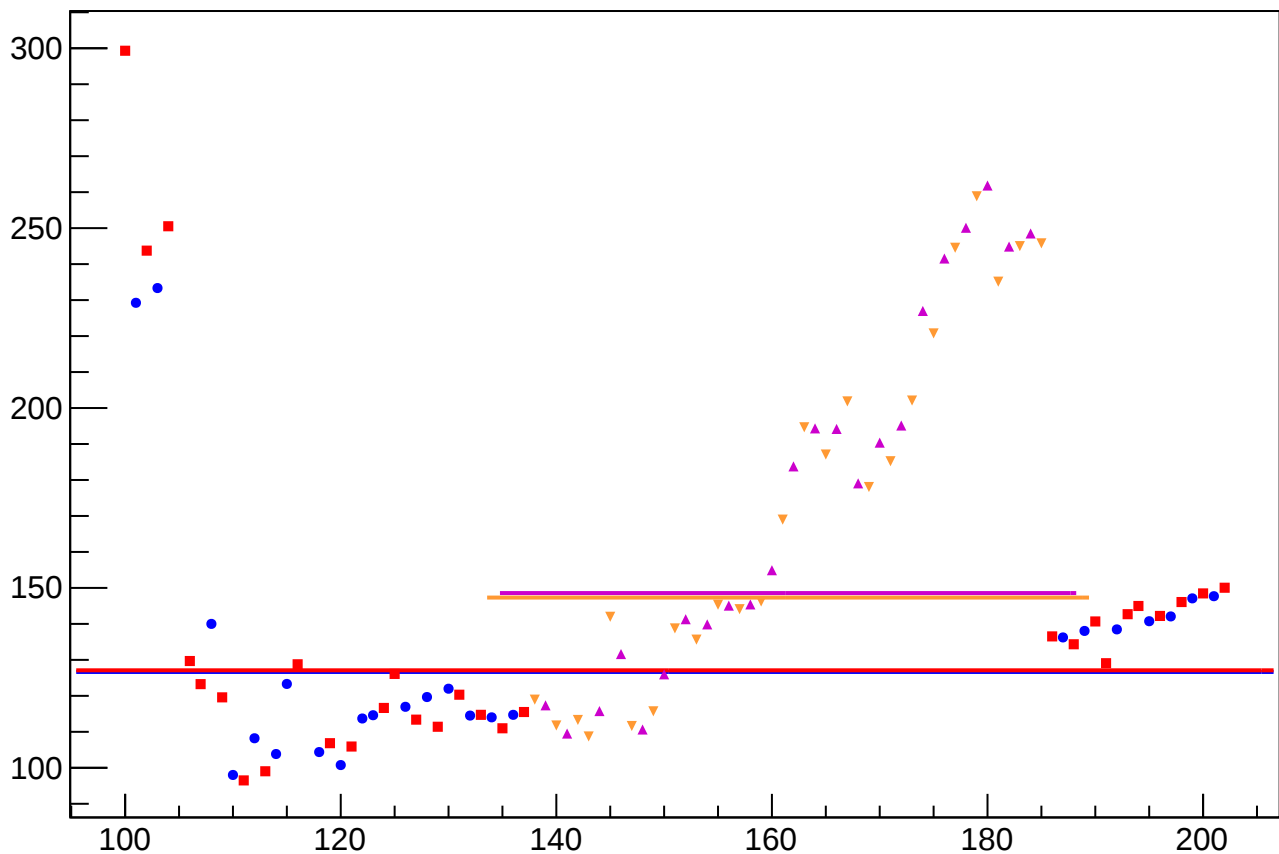
Left In: 6718.475+/-37.276 χ^2/NDF : 20934.3/22

+ sign -1935.738+/-26.380 χ^2/NDF : 167584.7/48

All: -704.730+/-18.452 χ^2/NDF : 348236.8/10

- sign 474.440+/-25.819 χ^2/NDF : 176388.6/51

asym_bpm2i01WS_rms vs Slug



Right In: 126.643+/-0.028 χ^2/NDF : 816896.9/23

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 127.100+/-0.025 χ^2/NDF : 947122.5/28

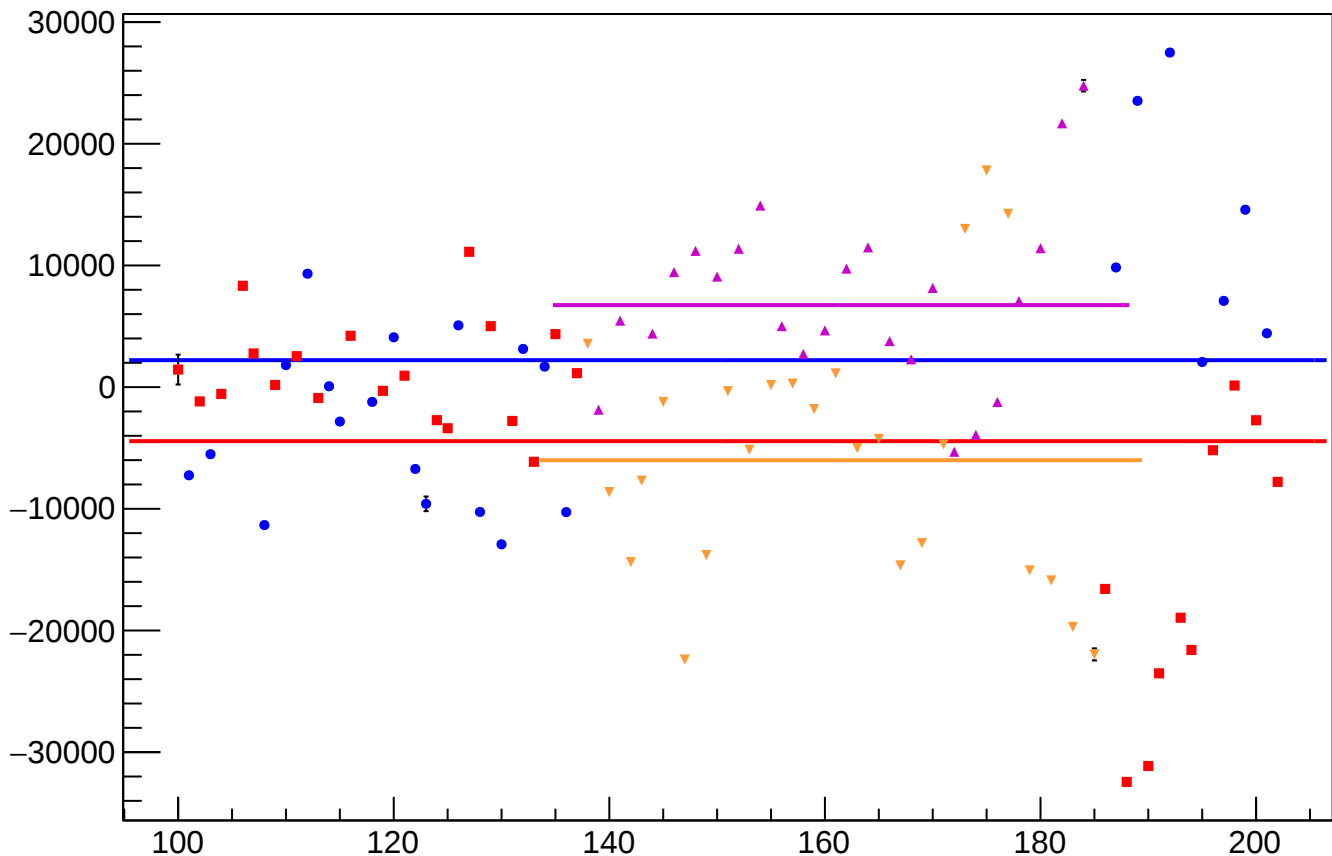
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 137.819+/-0.019 χ^2/NDF : 3633655.4/48

All: 137.605+/-0.013 χ^2/NDF : 7319361.7/100

- sign 137.400+/-0.018 χ^2/NDF : 3685448.4/51

asym_bpm2i02WS_mean vs Slug



Right In: 2214.338 $\pm$ 38.288 χ^2 /NDF: 77641.1/23

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

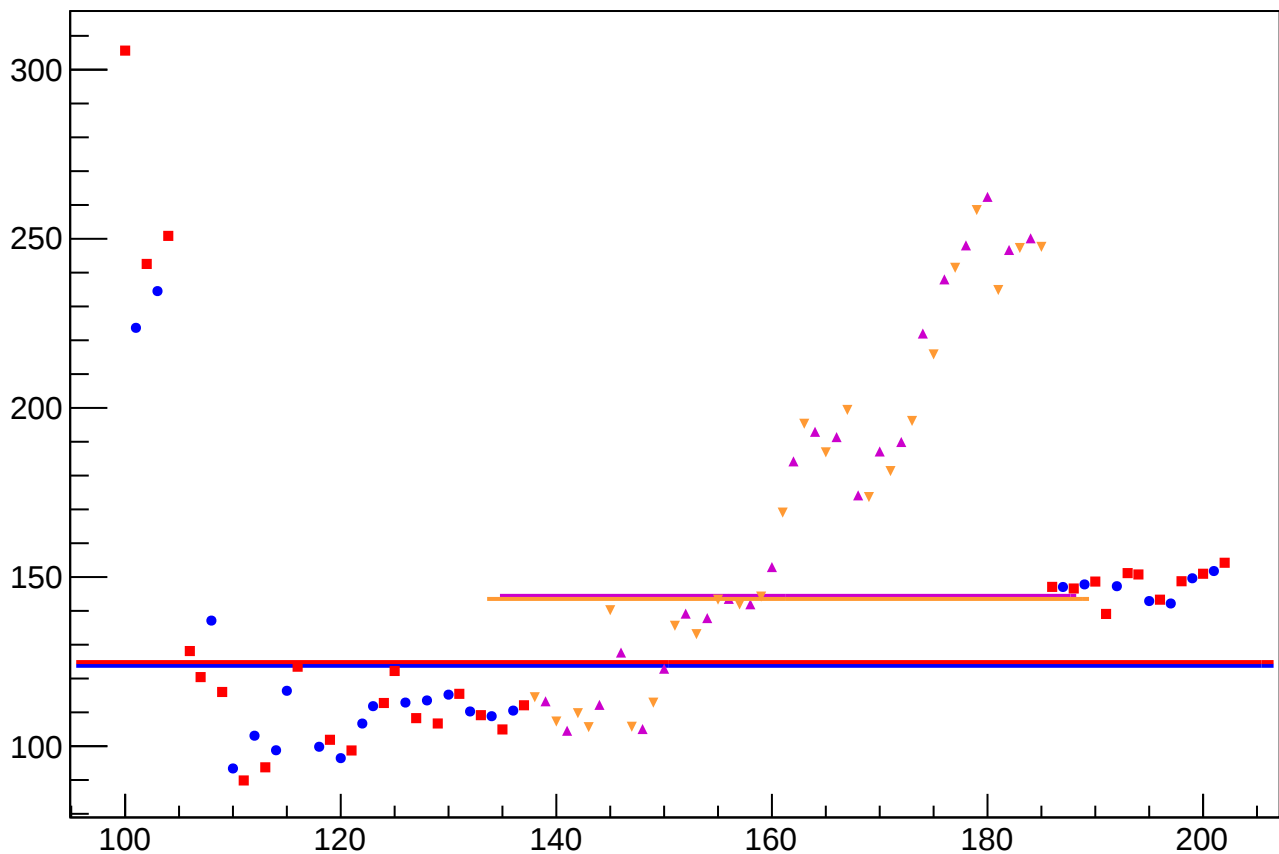
Left In: 6740.666 $\pm$ 36.379 χ^2 /NDF:22071.8/22

+ sign -2256.470 $\pm$ 25.866 χ^2 /NDF: 170574.5/48

All: -595.342 $\pm$ 18.119 χ^2 /NDF: 345315.1/10

- sign 1004.905 $\pm$ 25.388 χ^2 /NDF: 166643.3/51

asym_bpm2i02WS_rms vs Slug



Right In: 123.765+/-0.027 χ^2/NDF : 1025570.3/23

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 124.864+/-0.025 χ^2/NDF : 1274108.0/28

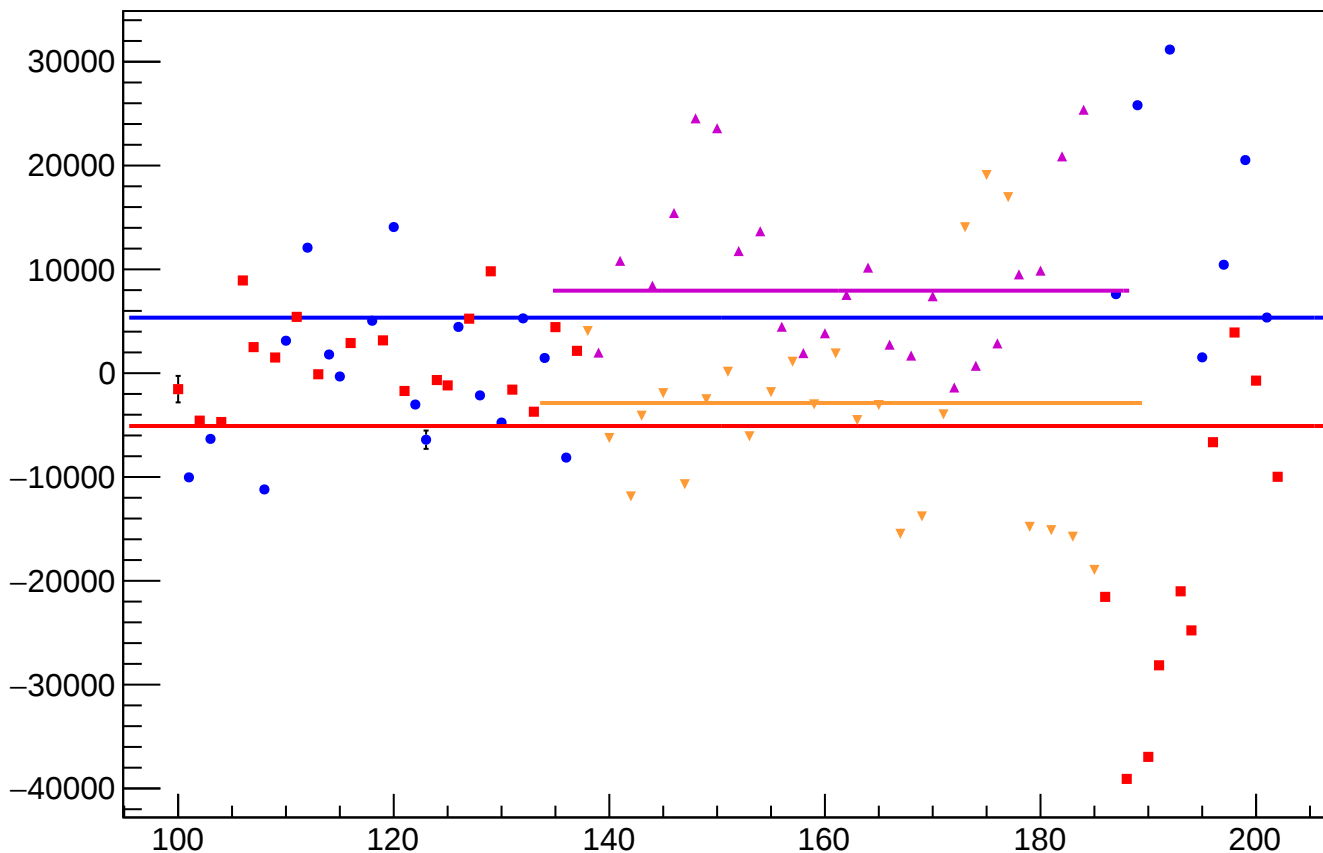
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 134.510+/-0.018 χ^2/NDF : 4020090.9/48

All: 134.453+/-0.013 χ^2/NDF : 8178222.7/100

- sign 134.397+/-0.018 χ^2/NDF : 4158112.4/51

asym_bpm0i01WS_mean vs Slug



Right In: 5348.416+/-46.340 χ^2/NDF : 58687.7/23

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: -5088.919+/-42.892 χ^2/NDF : 95214.4/28

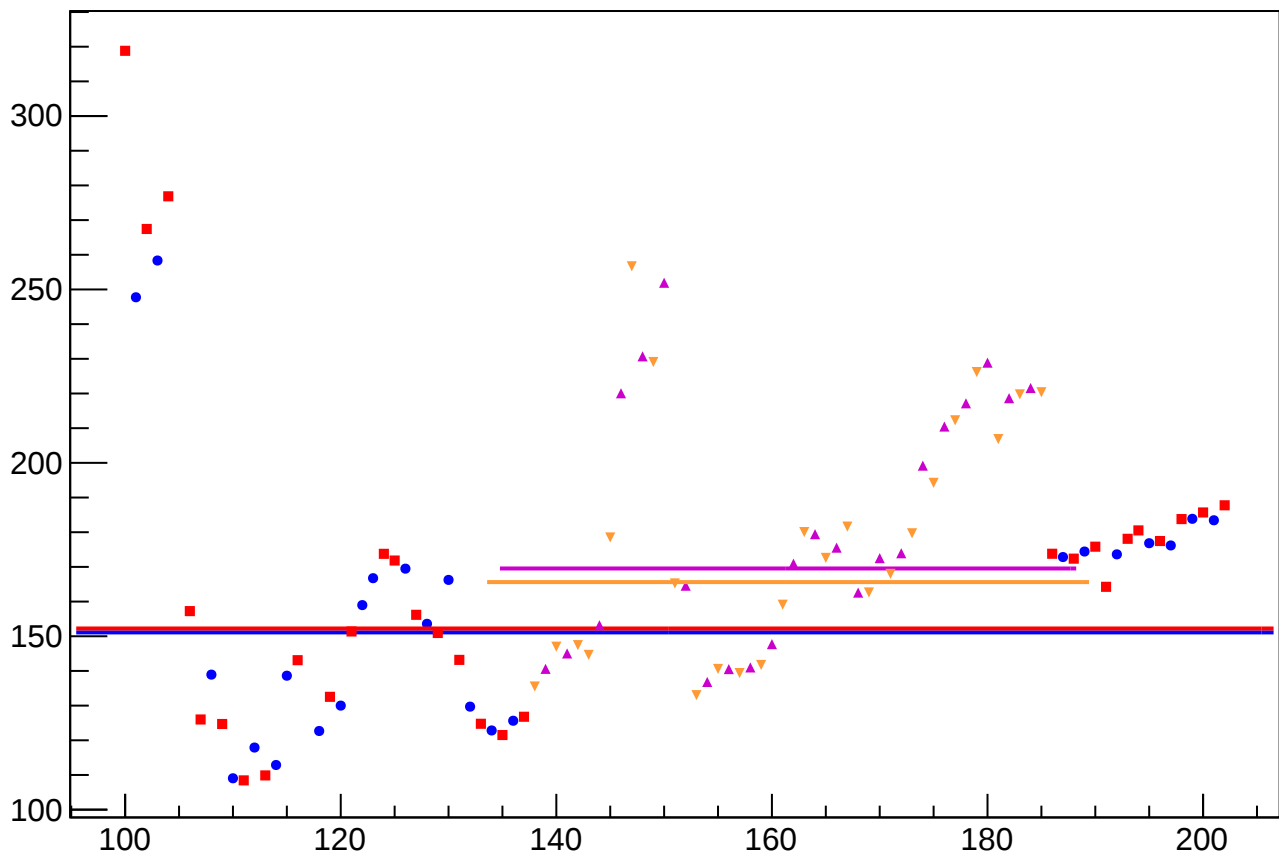
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign 586.374+/-30.053 χ^2/NDF : 123334.0/48

All: 1100.066+/-21.199 χ^2/NDF : 290463.0/100

- sign 1608.821+/-29.908 χ^2/NDF : 166547.5/51

asym_bpm0i01WS_rms vs Slug



Right In: 151.110 $\pm$ 0.033 χ^2 /NDF: 986536.0/23

Left Out: 165.616 $\pm$ 0.028 χ^2 /NDF:1144779.3/24

Right Out: 152.239 $\pm$ 0.030 χ^2 /NDF: 1206653.9/28

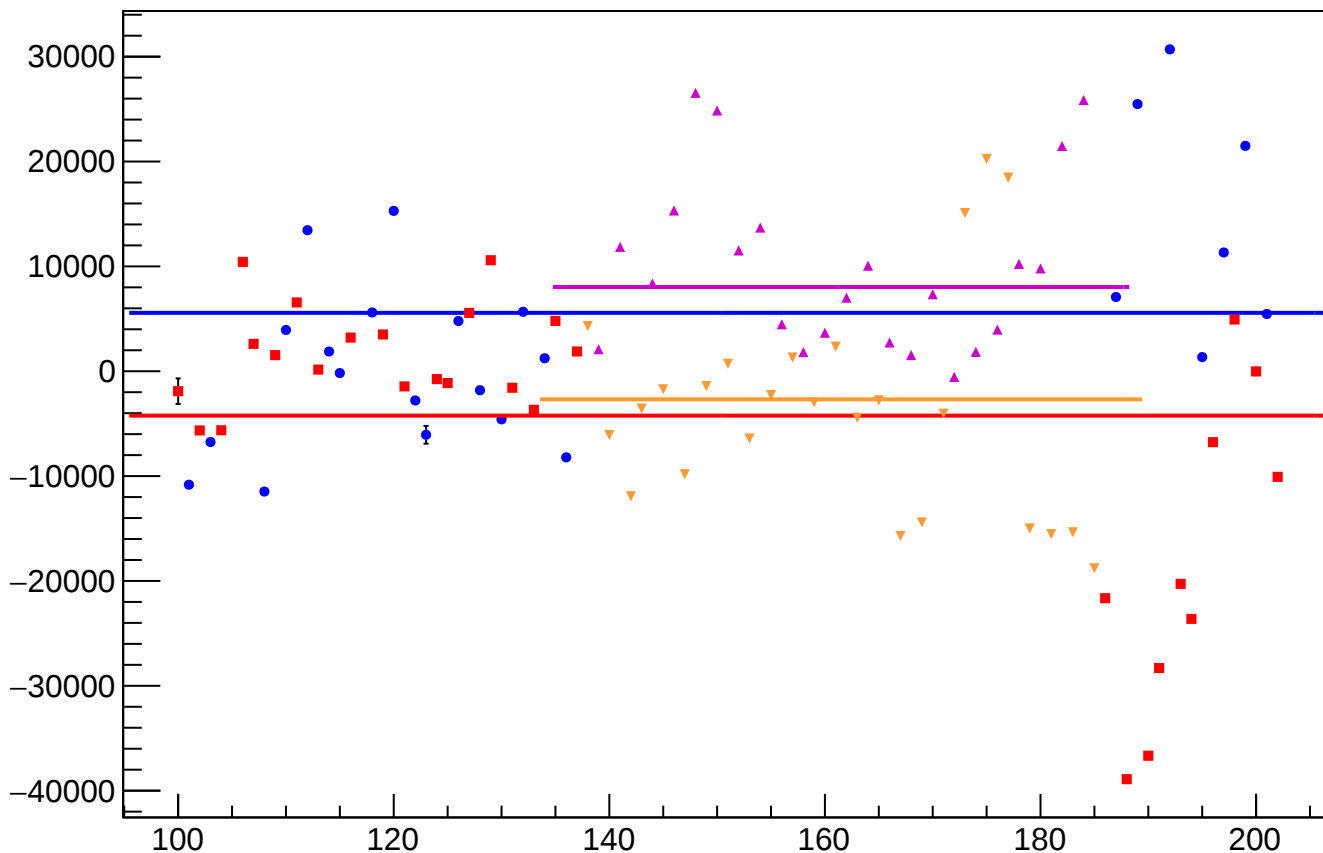
Left In: 169.542 $\pm$ 0.030 χ^2 /NDF:1159241.9/22

+ sign 159.515 $\pm$ 0.021 χ^2 /NDF: 2244867.0/48

All: 160.326 $\pm$ 0.015 χ^2 /NDF: 4780868.0/100

- sign 161.129 $\pm$ 0.021 χ^2 /NDF: 2533103.3/51

asym_bpm0i01aWS_mean vs Slug



Right In: 5570.797+/-38.999 χ^2/NDF : 82364.7/23

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -4233.934+/-35.879 χ^2/NDF : 132312.7/28

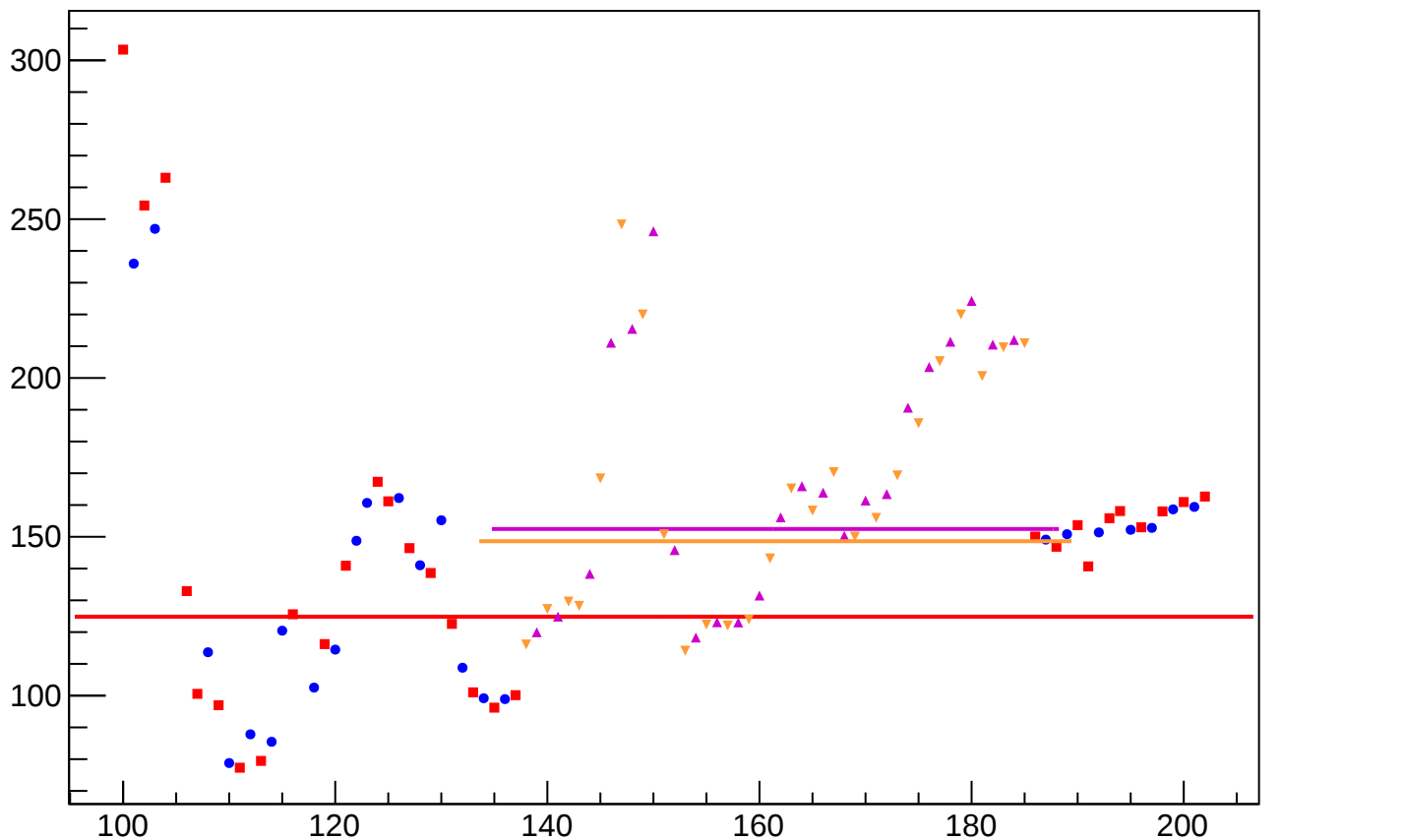
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 1088.979+/-26.358 χ^2/NDF : 163498.1/48

All: 1327.954+/-18.533 χ^2/NDF : 380479.4/100

- sign 1561.608+/-26.063 χ^2/NDF : 216818.7/51

asym_bpm0i01aWS_rms vs Slug



Right In: 124.847 $\pm$ 0.028 χ^2 /NDF: 1613240.0/23

Left Out: 148.611 $\pm$ 0.025 χ^2 /NDF:1685424.1/24

Right Out: 124.850 $\pm$ 0.025 χ^2 /NDF: 1995515.0/28

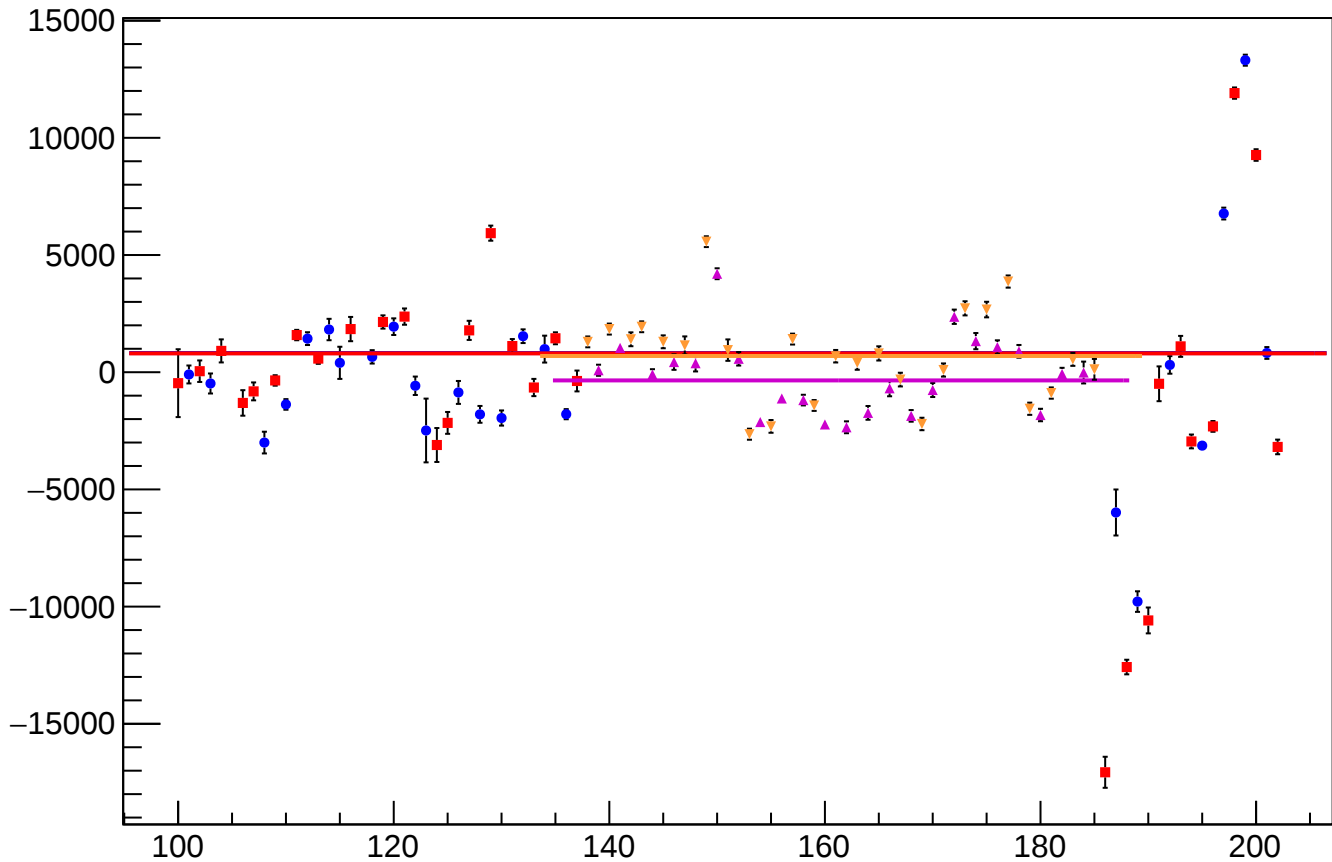
Left In: 152.463 $\pm$ 0.027 χ^2 /NDF:1691517.7/22

+ sign 137.755 $\pm$ 0.019 χ^2 /NDF: 3702048.9/48

All: 137.824 $\pm$ 0.013 χ^2 /NDF: 7948647.5/100

- sign 137.892 $\pm$ 0.018 χ^2 /NDF: 4246571.5/51

asym_bpm0l01WS_mean vs Slug



Right In: 817.866 $\pm$ 66.433 χ^2 /NDF: 4854.1/23

Left Out: 692.998 $\pm$ 54.303 χ^2 /NDF:1422.0/24

Right Out: 803.315 $\pm$ 61.695 χ^2 /NDF: 7281.7/28

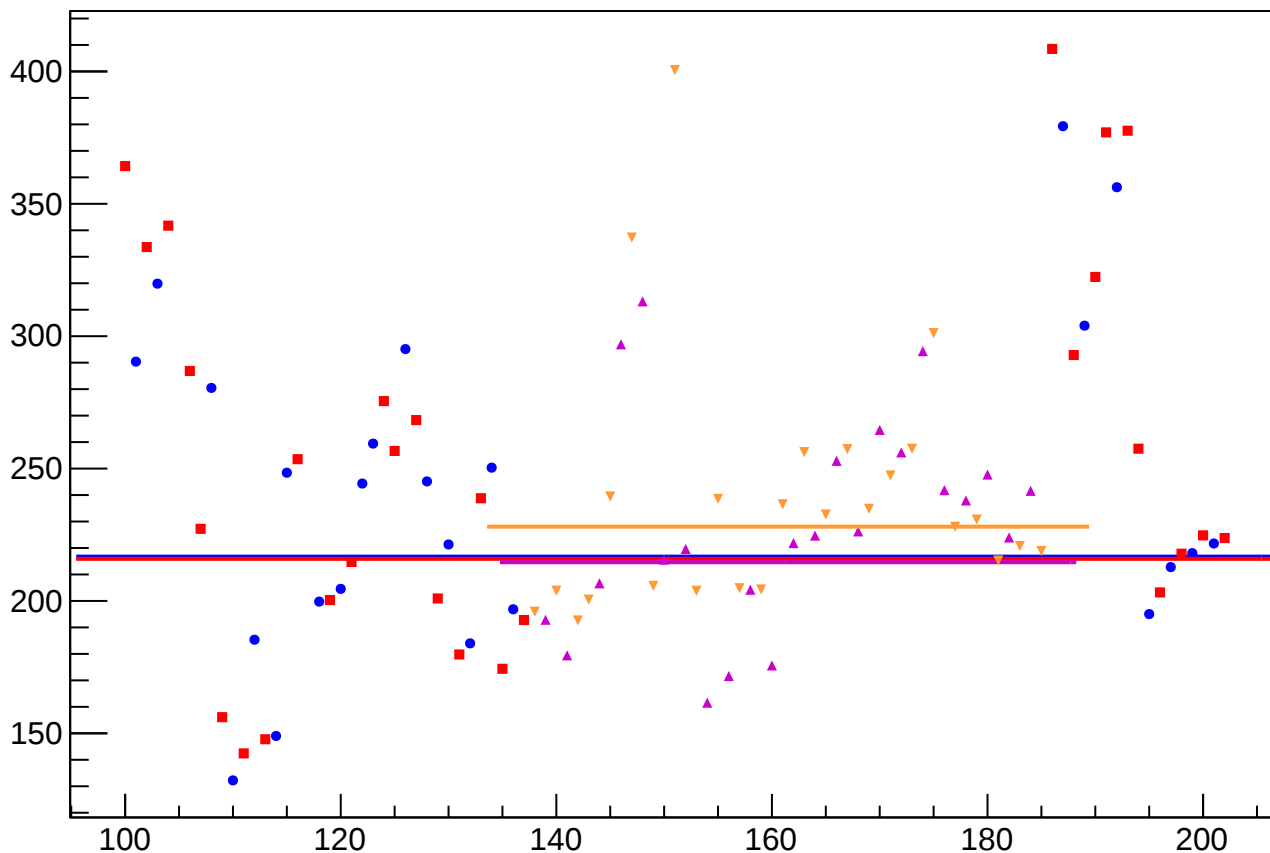
Left In: -349.623 $\pm$ 53.094 χ^2 /NDF:981.0/22

+ sign 743.013 $\pm$ 42.044 χ^2 /NDF: 6278.3/48

All: 428.807 $\pm$ 29.072 χ^2 /NDF: 14848.6/100

- sign 140.942 $\pm$ 40.243 χ^2 /NDF: 8463.3/51

asym_bpm0l01WS_rms vs Slug



Right In: 216.740 $\pm$ 0.047 χ^2 /NDF: 1149766.0/23

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

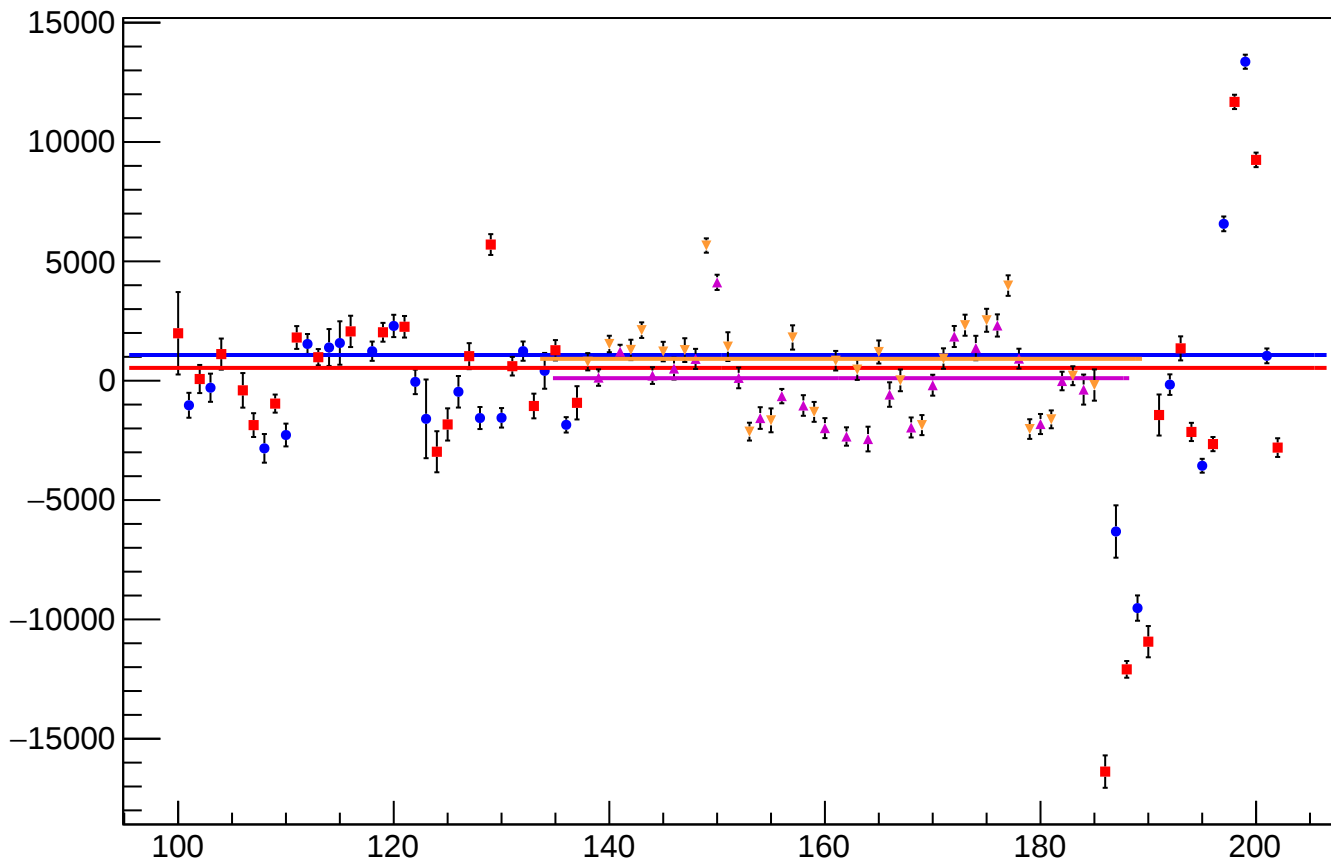
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF:1025683.3/22

+ sign 223.526 $\pm$ 0.030 χ^2 /NDF: 2010926.9/48

All: 219.165 $\pm$ 0.021 χ^2 /NDF: 4897241.9/100

- sign 215.170 $\pm$ 0.028 χ^2 /NDF: 2845081.7/51

asym_bpm0l02WS_mean vs Slug



Right In: 1076.936 $\pm$ 90.680 χ^2 /NDF: 3041.6/23

Left Out: 915.968 $\pm$ 83.398 χ^2 /NDF:618.3/24

Right Out: 536.487 $\pm$ 84.606 χ^2 /NDF: 4945.4/28

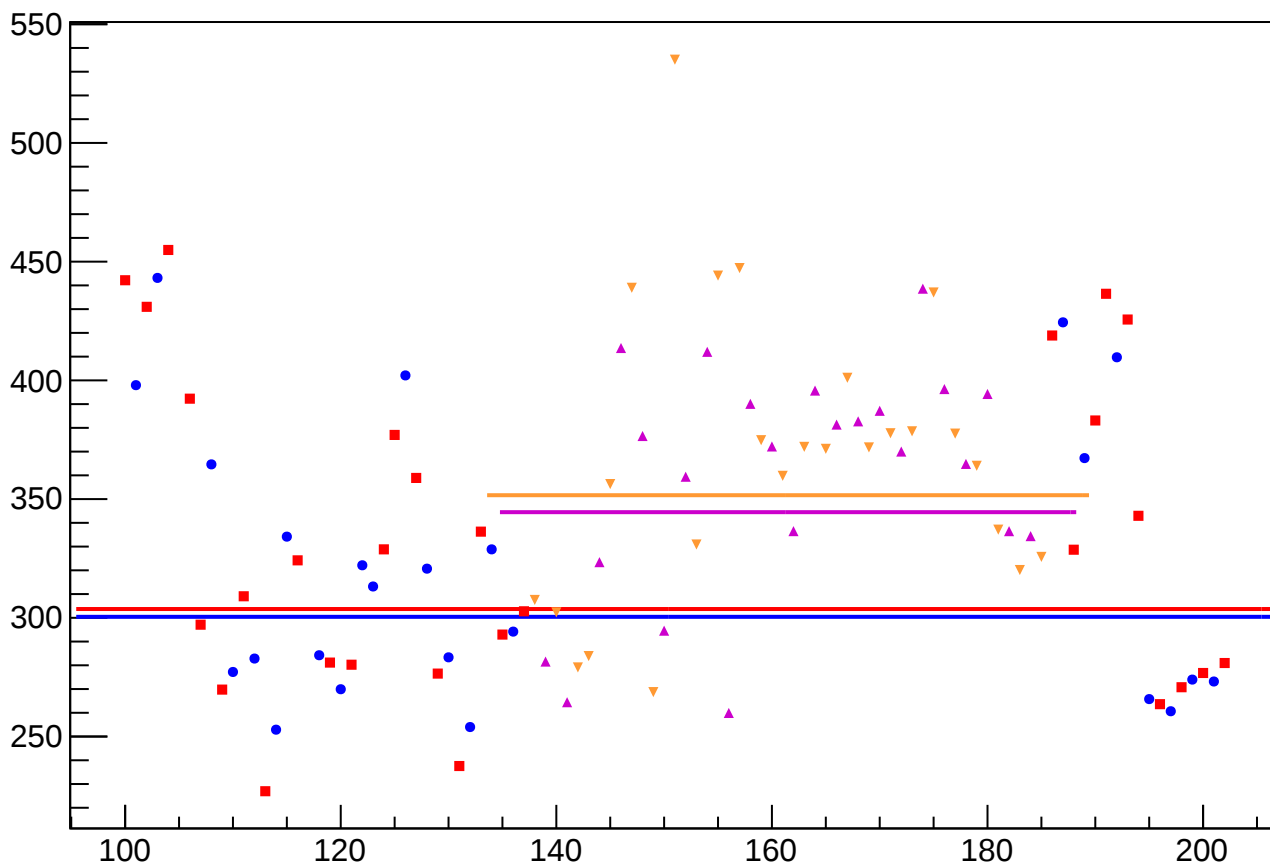
Left In: 106.116 $\pm$ 84.393 χ^2 /NDF:390.3/22

+ sign 989.730 $\pm$ 61.385 χ^2 /NDF: 3661.6/48

All: 646.219 $\pm$ 42.816 χ^2 /NDF: 9071.2/100

- sign 320.758 $\pm$ 59.750 χ^2 /NDF: 5348.6/51

asym_bpm0l02WS_rms vs Slug



Right In: 300.418 $\pm$ 0.064 χ^2 /NDF: 607489.8/23

Left Out: 351.633 $\pm$ 0.059 χ^2 /NDF: 907849.3/24

Right Out: 303.703 $\pm$ 0.060 χ^2 /NDF: 862153.1/28

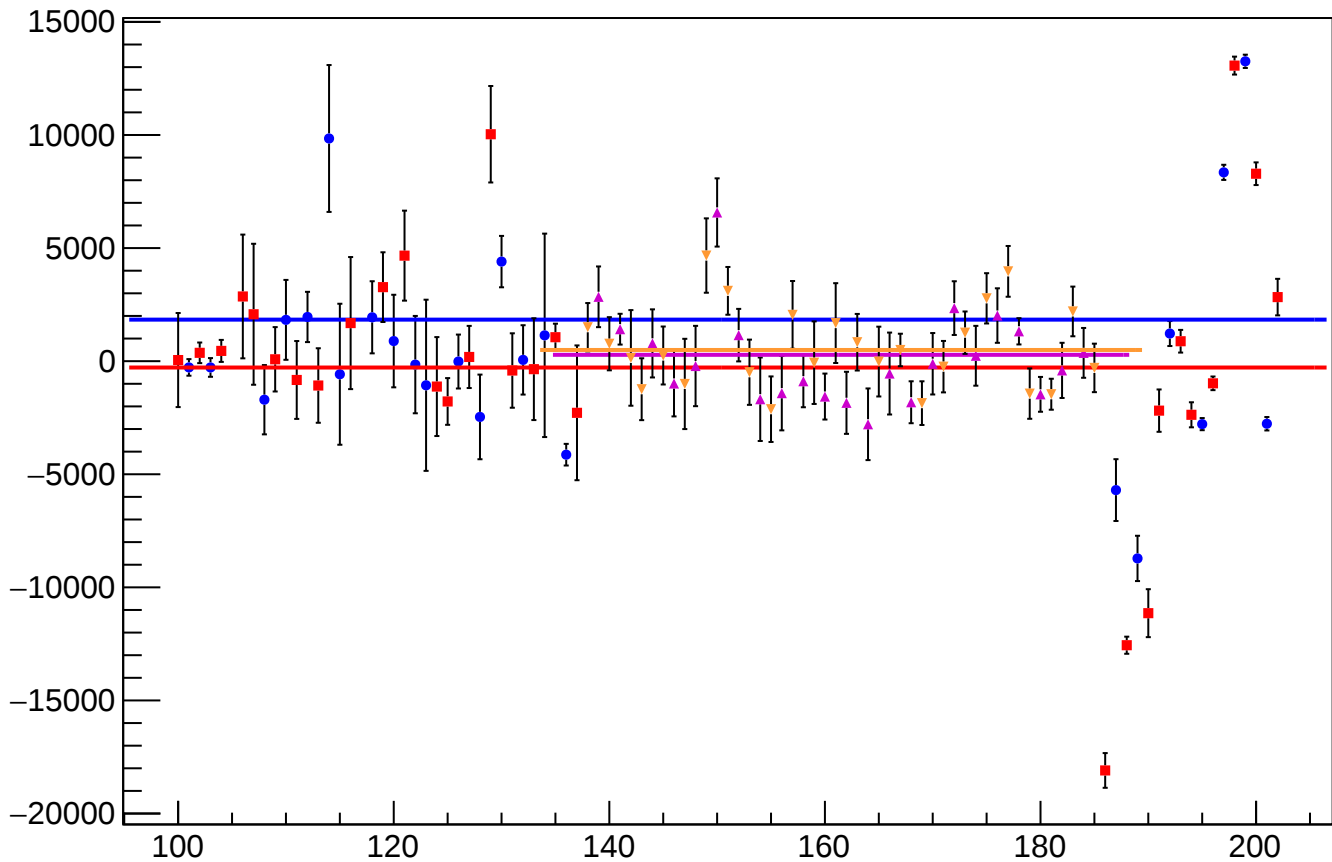
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 328.164 $\pm$ 0.043 χ^2 /NDF: 1860969.2/48

All: 326.102 $\pm$ 0.030 χ^2 /NDF: 3729395.5/100

- sign 324.149 $\pm$ 0.042 χ^2 /NDF: 1864032.0/51

asym_bpm0l03WS_mean vs Slug



Right In: 1836.545 $\pm$ 116.972 χ^2 /NDF: 2809.4/23

Left Out: 495.014 $\pm$ 231.058 χ^2 /NDF:56.2/24

Right Out: -280.829 $\pm$ 131.621 χ^2 /NDF: 3217.8/28

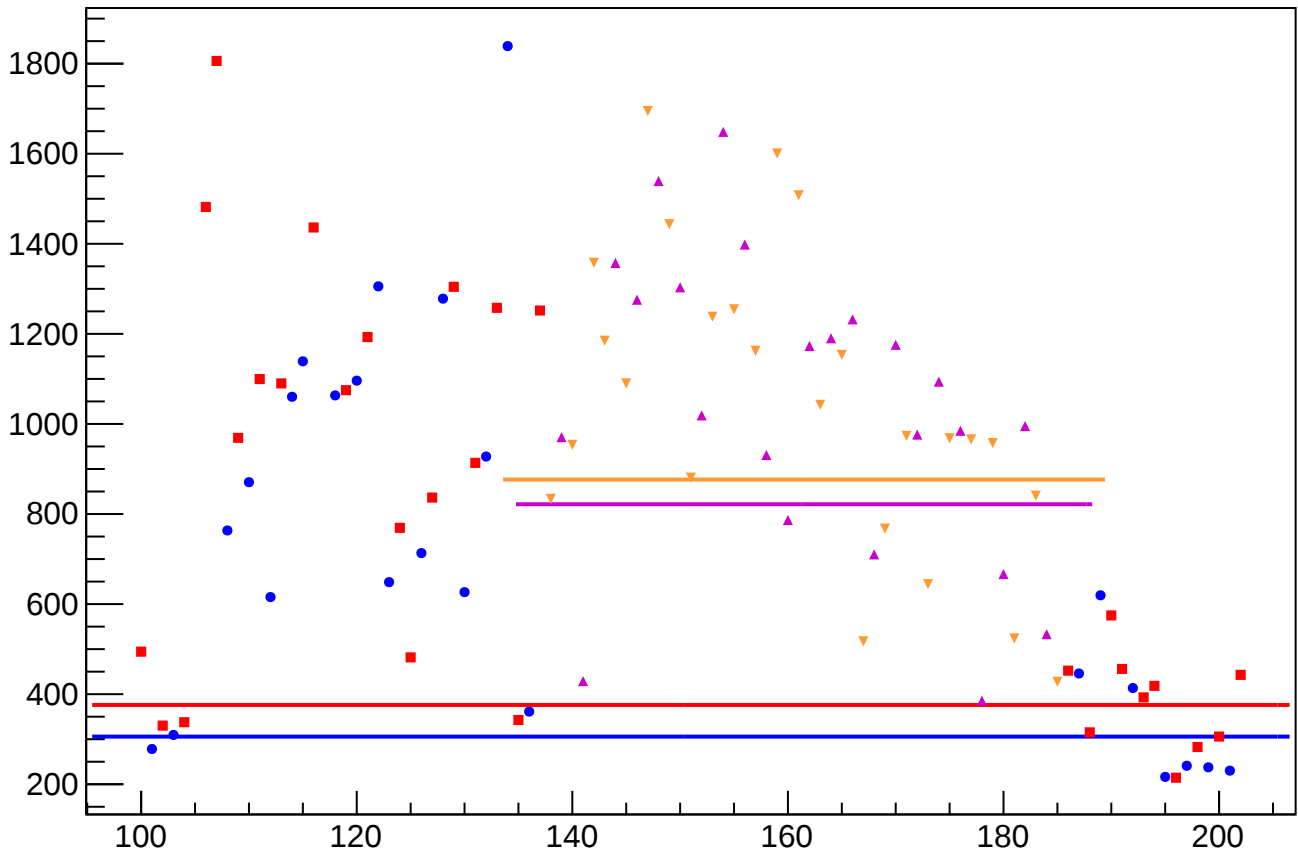
Left In: 280.692 $\pm$ 232.048 χ^2 /NDF:57.2/22

+ sign 1562.872 $\pm$ 104.361 χ^2 /NDF: 2892.5/48

All: 788.173 $\pm$ 77.126 χ^2 /NDF: 6293.3/100

- sign -144.145 $\pm$ 114.486 χ^2 /NDF: 3279.4/51

asym_bpm0l03WS_rms vs Slug



Right In: 305.804+/-0.083 χ^2/NDF : 4348823.5/23

Left Out: 876.560+/-0.163 χ^2/NDF : 3434698.7/24

Right Out: 376.063+/-0.093 χ^2/NDF : 5173275.6/28

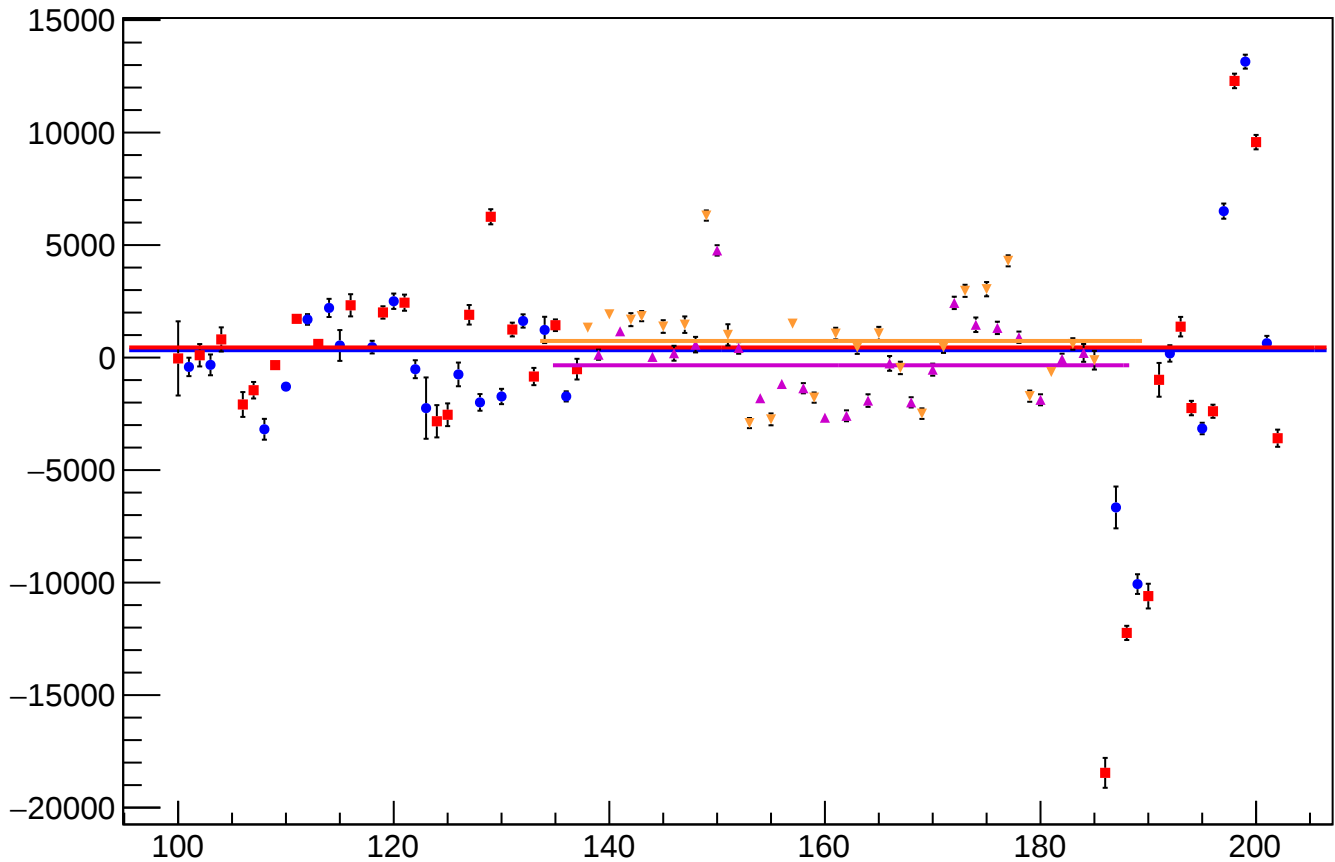
Left In: 821.657+/-0.164 χ^2/NDF : 4443094.2/22

+ sign 422.238+/-0.074 χ^2/NDF : 17497611.8/48

All: 450.507+/-0.055 χ^2/NDF : 33017057.3/10

- sign 484.528+/-0.081 χ^2/NDF : 15196084.0/51

asym_bpm0l04WS_mean vs Slug



Right In: 327.709 ± 69.920 χ^2/NDF : 3262.5/23

Left Out: 738.847 ± 51.649 χ^2/NDF : 1935.2/24

Right Out: 450.306 ± 63.553 χ^2/NDF : 5856.7/28

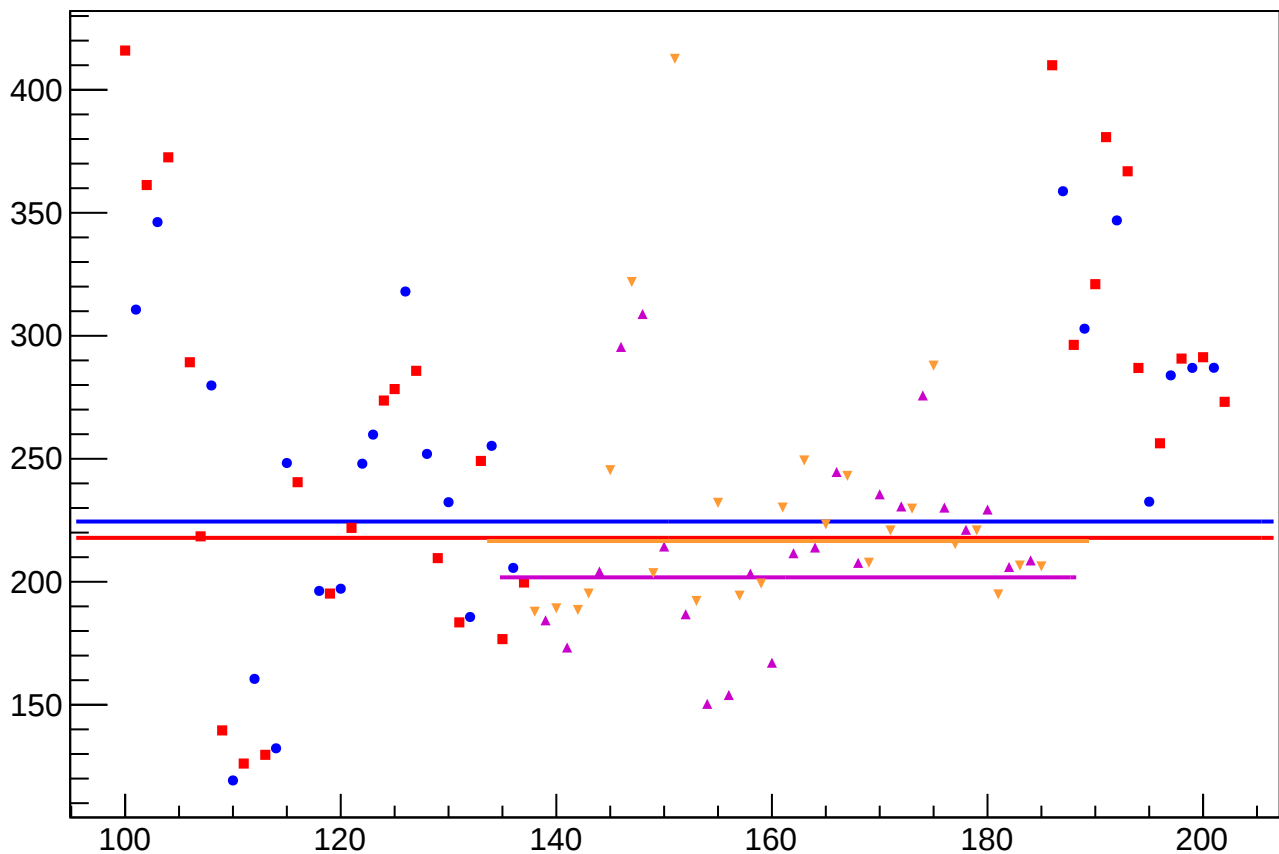
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 593.704 ± 41.544 χ^2/NDF : 5220.0/48

All: 259.928 ± 28.556 χ^2/NDF : 12550.0/100

- sign -39.039 ± 39.318 χ^2/NDF : 7207.6/51

asym_bpm0l04WS_rms vs Slug



Right In: 224.497 ± 0.049 χ^2/NDF : 1755894.4/23

Left Out: 216.574 ± 0.037 χ^2/NDF : 886214.1/24

Right Out: 217.862 ± 0.045 χ^2/NDF : 2803322.9/28

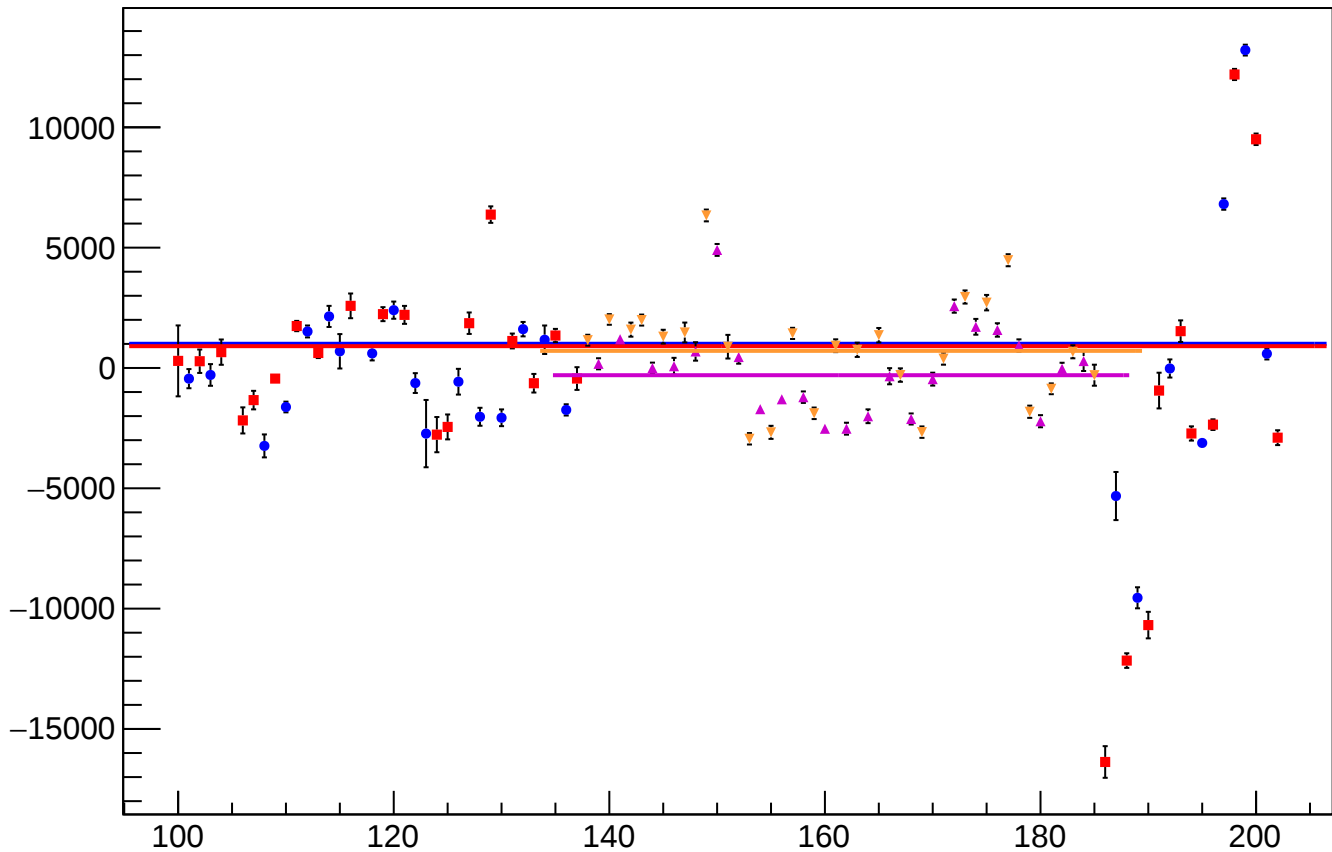
Left In: 201.805 ± 0.035 χ^2/NDF : 1087243.4/22

+ sign 219.371 ± 0.029 χ^2/NDF : 2658720.5/48

All: 213.347 ± 0.020 χ^2/NDF : 6707810.3/100

- sign 207.951 ± 0.028 χ^2/NDF : 3969366.2/51

asym_bpm0l05WS_mean vs Slug



Right In: 1005.532 ± 66.297 $\chi^2/\text{NDF}: 5134.9/23$

Left Out: 711.174 ± 53.245 $\chi^2/\text{NDF}: 1835.3/24$

Right Out: 905.670 ± 61.488 $\chi^2/\text{NDF}: 7713.3/28$

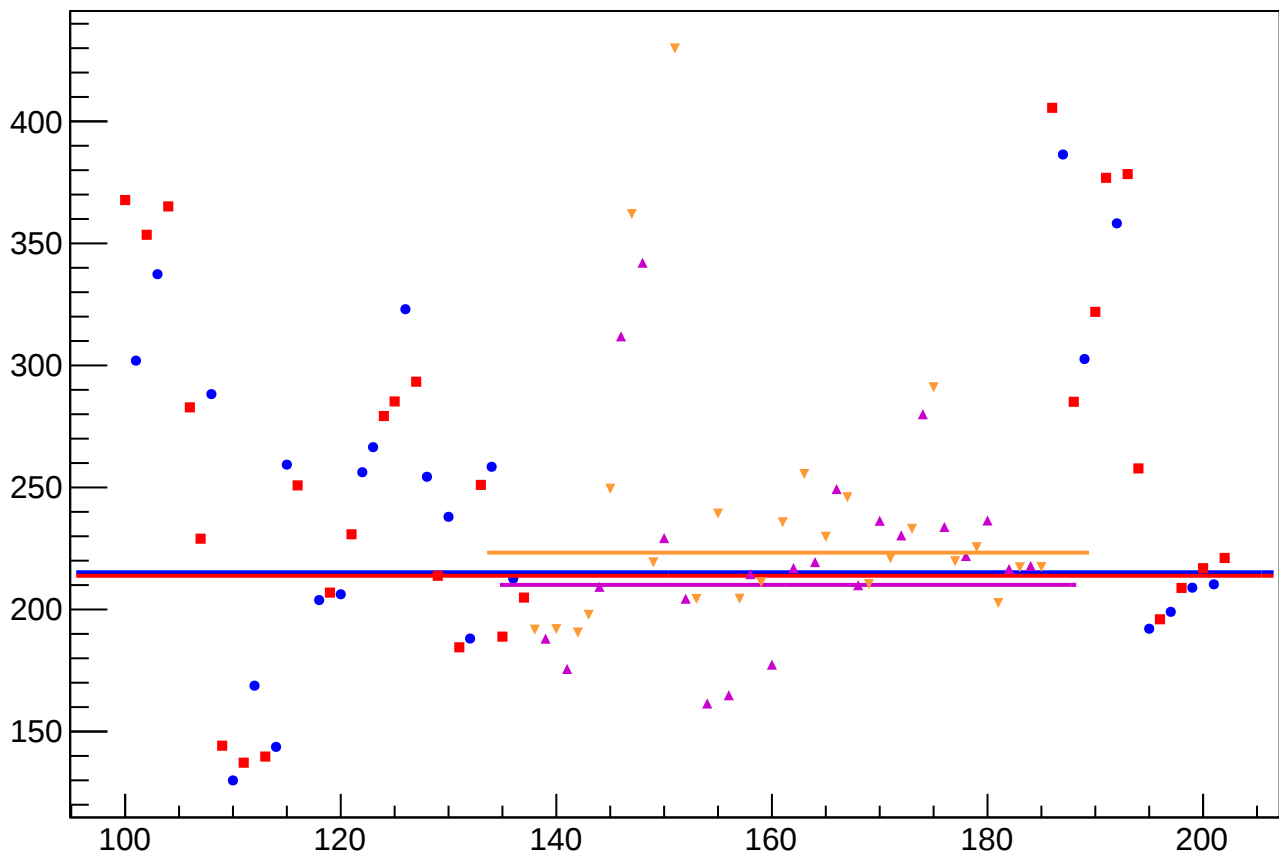
Left In: -300.516 ± 51.984 $\chi^2/\text{NDF}: 1208.6/22$

+ sign 826.592 ± 41.514 $\chi^2/\text{NDF}: 6982.2/48$

All: 500.469 ± 28.691 $\chi^2/\text{NDF}: 16246.7/100$

- sign 202.254 ± 39.698 $\chi^2/\text{NDF}: 9146.3/51$

asym_bpm0l05WS_rms vs Slug



Right In: 215.250+/-0.047 χ^2/NDF : 1341069.1/23

Left Out: 223.296+/-0.038 χ^2/NDF :922768.4/24

Right Out: 213.824+/-0.043 χ^2/NDF : 2085794.2/28

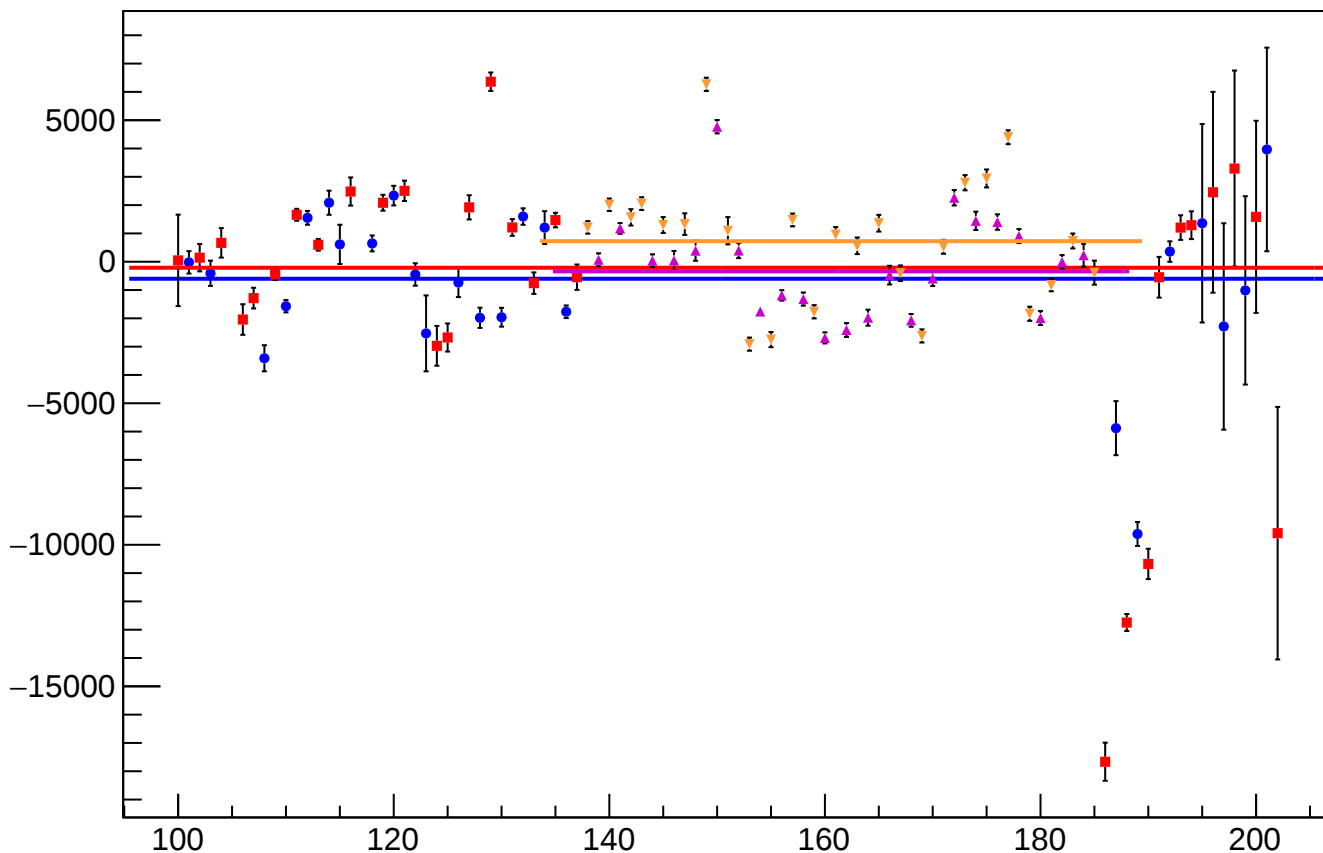
Left In: 210.080+/-0.037 χ^2/NDF :1015274.5/22

+ sign 220.141+/-0.029 χ^2/NDF : 2281745.4/48

All: 215.701+/-0.020 χ^2/NDF : 5430944.1/100

- sign 211.641+/-0.028 χ^2/NDF : 3105393.6/51

asym_bpm0l06WS_mean vs Slug



Right In: -601.223 ± 79.119 χ^2/NDF : 893.7/23

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -212.552 ± 70.008 χ^2/NDF : 3637.9/28

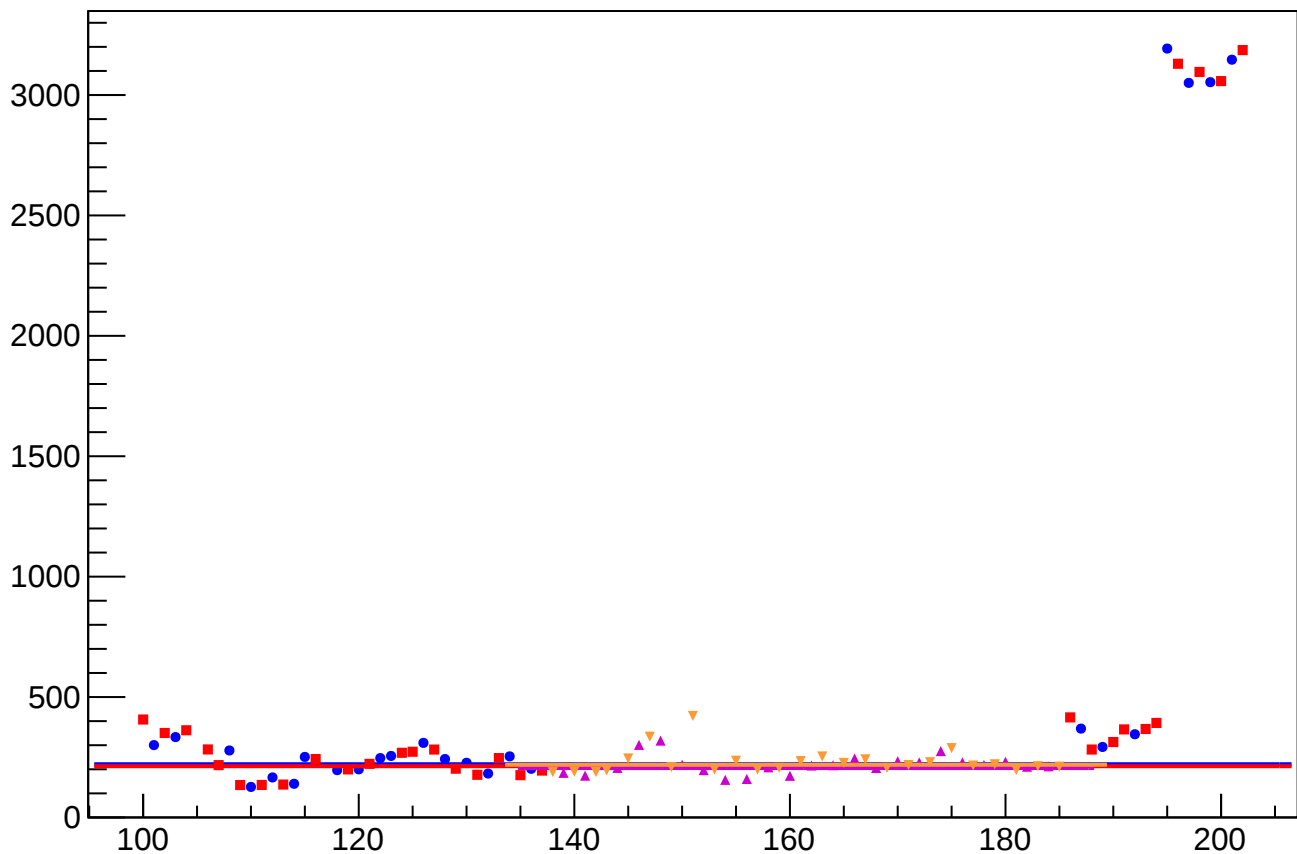
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 323.836 ± 43.547 χ^2/NDF : 3002.6/48

All: -4.051 ± 29.896 χ^2/NDF : 7951.8/100

- sign -296.367 ± 41.117 χ^2/NDF : 4841.9/51

asym_bpm0l06WS_rms vs Slug



Right In: 221.038 $\pm$ 0.056 χ^2 /NDF: 6704640.8/23

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

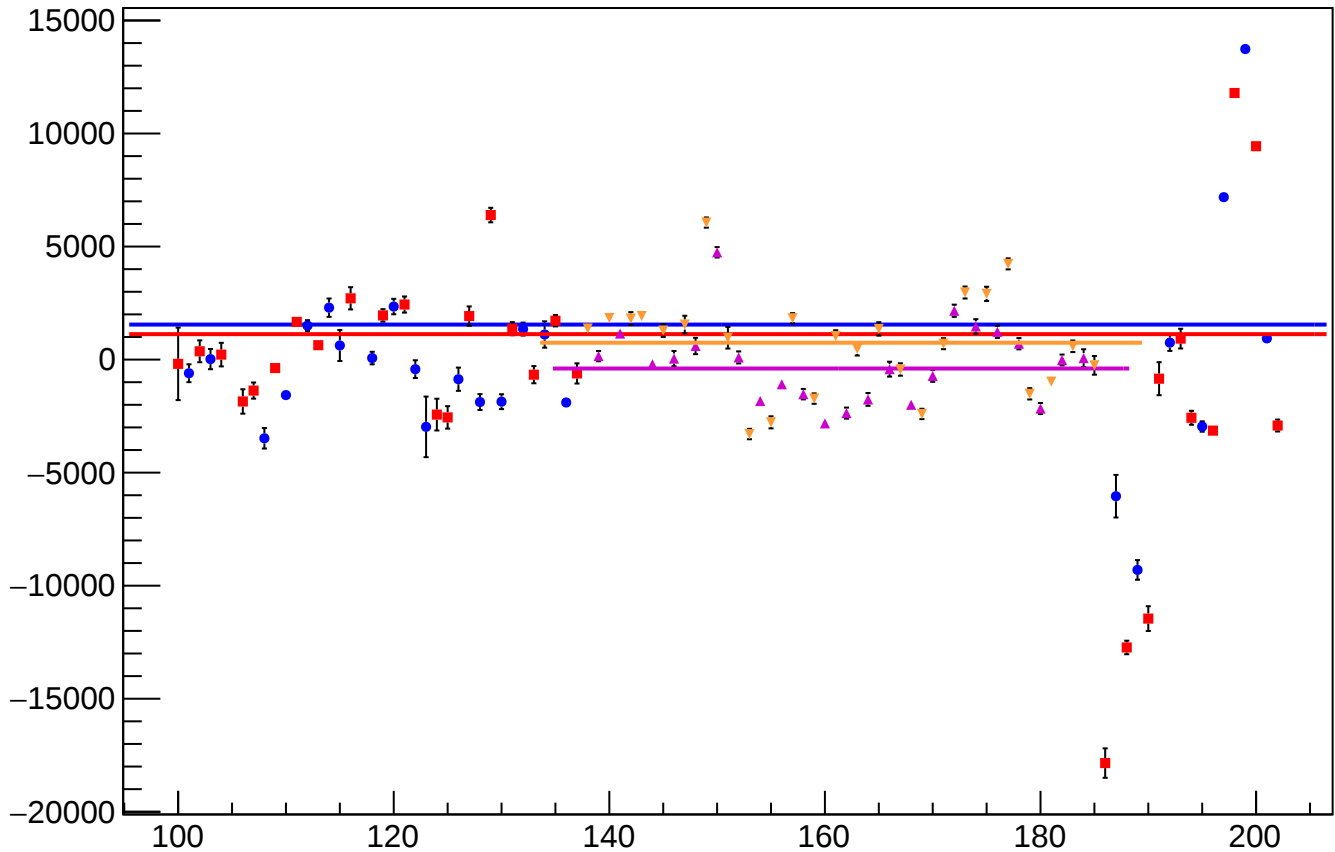
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 219.456 $\pm$ 0.031 χ^2 /NDF: 7602702.3/48

All: 213.327 $\pm$ 0.021 χ^2 /NDF: 16150439.8/10

- sign 207.864 $\pm$ 0.029 χ^2 /NDF: 8472813.4/51

asym_bpm0l07WS_mean vs Slug



Right In: 1548.843 $\pm$ 62.458 χ^2 /NDF: 6764.7/23

Left Out: 746.405 $\pm$ 51.592 χ^2 /NDF:1942.1/24

Right Out: 1125.621 $\pm$ 57.663 χ^2 /NDF: 9272.1/28

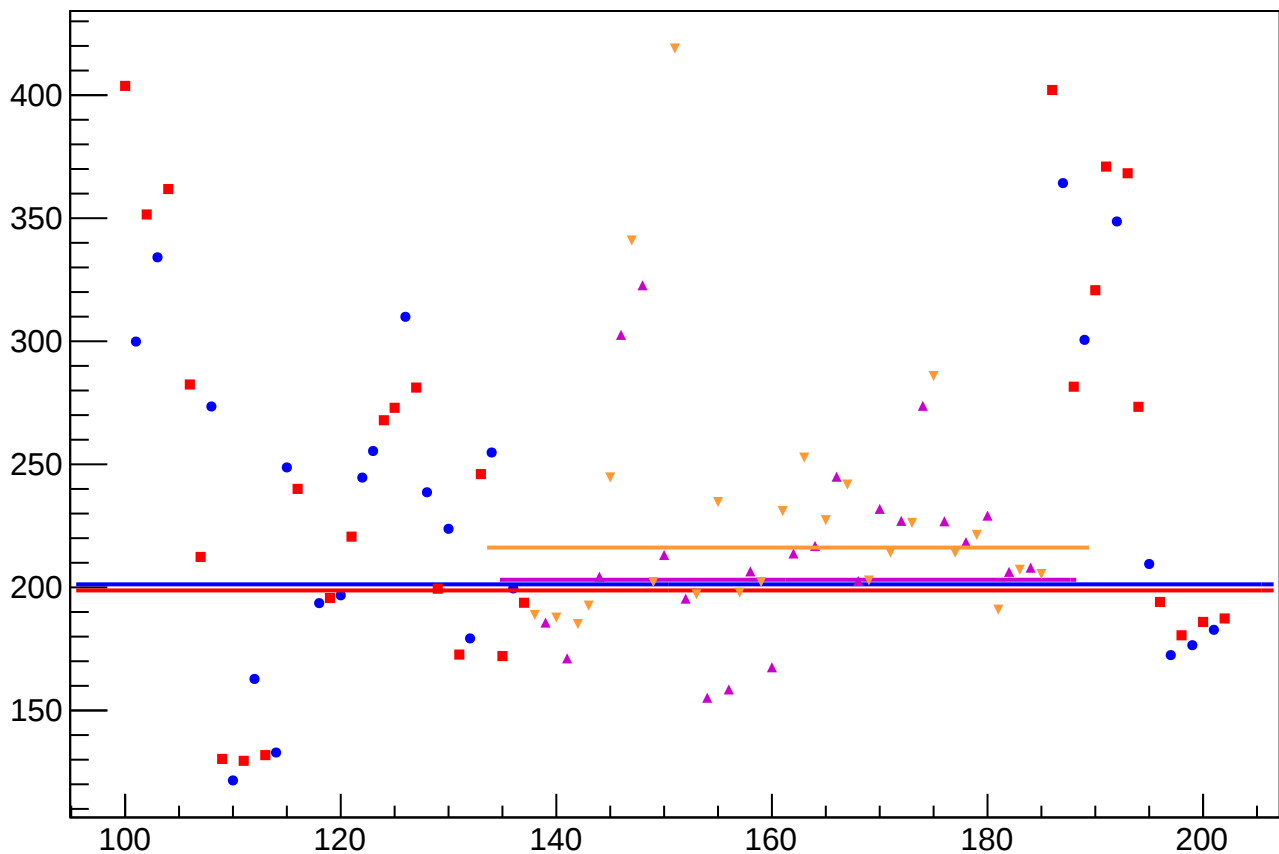
Left In: -394.379 $\pm$ 50.311 χ^2 /NDF:1236.4/22

+ sign 1071.857 $\pm$ 39.776 χ^2 /NDF: 8804.9/48

All: 647.796 $\pm$ 27.443 χ^2 /NDF: 19924.8/100

- sign 262.599 $\pm$ 37.910 χ^2 /NDF: 10903.0/51

asym_bpm0l07WS_rms vs Slug



Right In: 201.242+/-0.044 χ^2/NDF : 1518315.5/23

Left Out: 216.178+/-0.036 χ^2/NDF : 946050.8/24

Right Out: 198.768+/-0.041 χ^2/NDF : 2436569.2/28

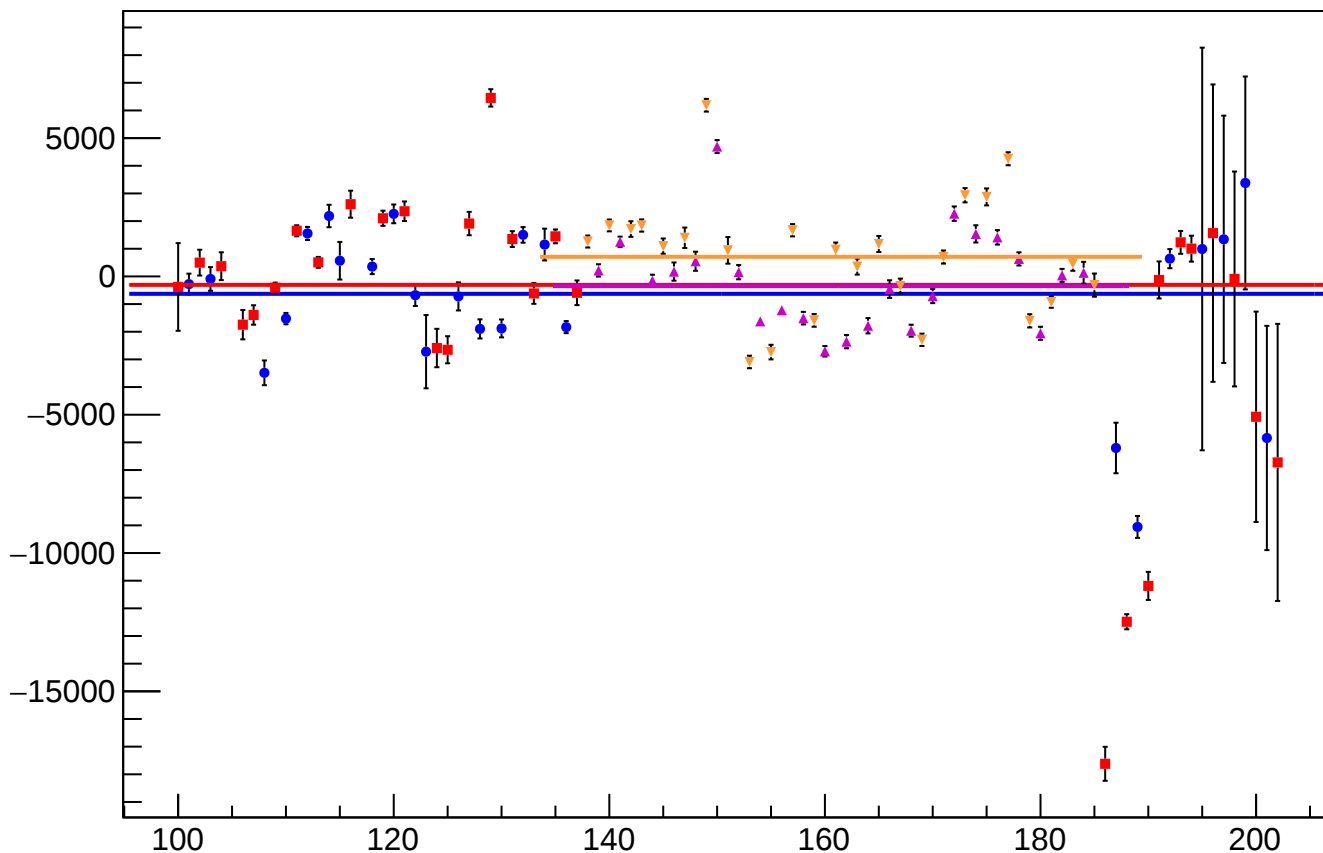
Left In: 203.101+/-0.036 χ^2/NDF : 1038013.0/22

+ sign 210.120+/-0.028 χ^2/NDF : 2532348.0/48

All: 205.461+/-0.019 χ^2/NDF : 6065717.8/100

- sign 201.228+/-0.027 χ^2/NDF : 3480993.3/51

asym_bpm0l08WS_mean vs Slug



Right In: -629.414 ± 76.476 χ^2/NDF : 917.7/23

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -305.048 ± 67.141 χ^2/NDF : 4164.5/28

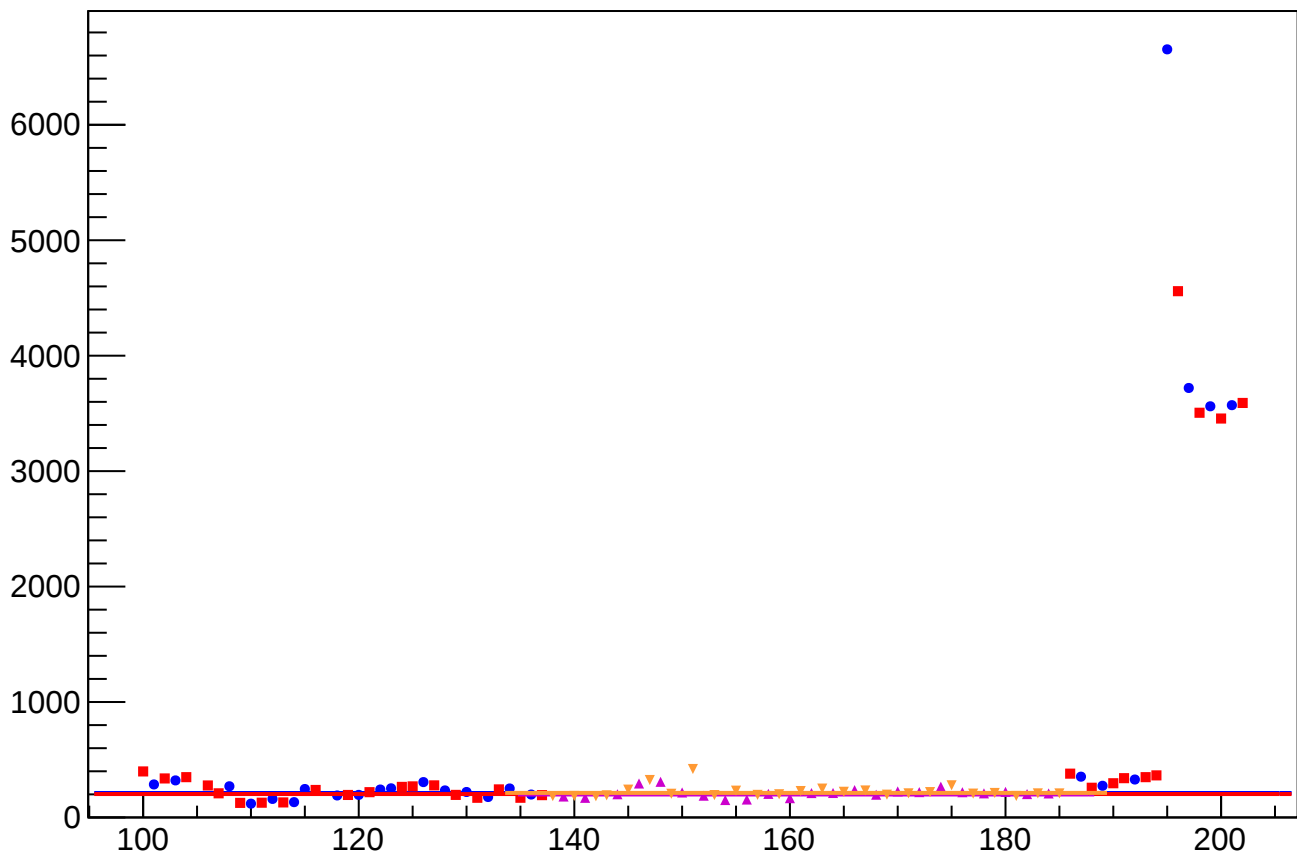
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 300.650 ± 42.286 χ^2/NDF : 3063.0/48

All: -37.278 ± 28.961 χ^2/NDF : 8581.2/100

- sign -335.827 ± 39.746 χ^2/NDF : 5397.9/51

asym_bpm0l08WS_rms vs Slug



Right In: 211.852+/-0.054 χ^2/NDF : 6989490.7/23

Left Out: 212.718+/-0.036 χ^2/NDF : 916225.9/24

Right Out: 202.776+/-0.047 χ^2/NDF : 7551471.7/28

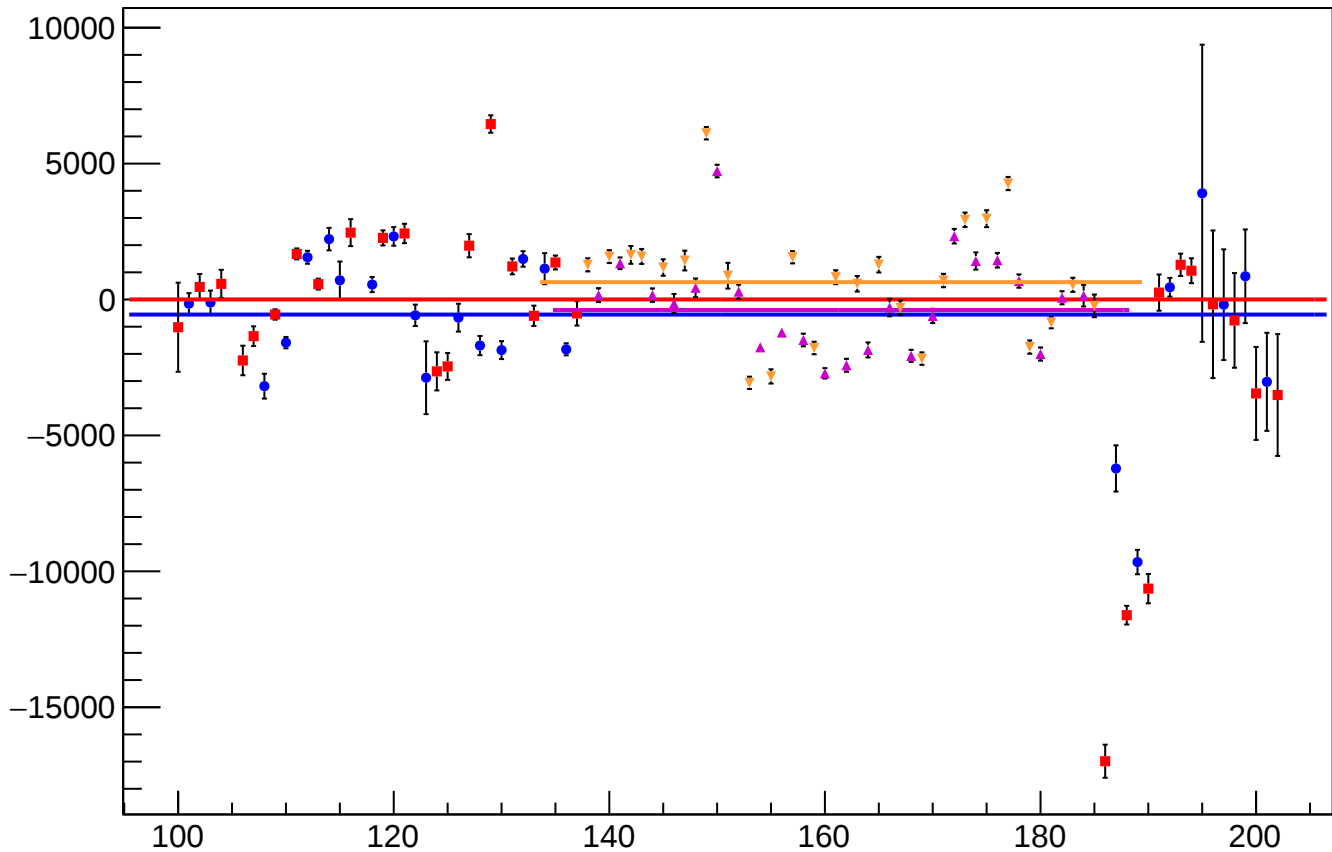
Left In: 199.142+/-0.035 χ^2/NDF : 985932.4/22

+ sign 212.453+/-0.030 χ^2/NDF : 7905894.9/48

All: 206.062+/-0.020 χ^2/NDF : 16533160.1/10

- sign 200.415+/-0.028 χ^2/NDF : 8541208.9/51

asym_bpm0l09WS_mean vs Slug



Right In: -553.665 ± 77.658 χ^2/NDF : 862.2/23

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: 2.376 ± 68.942 χ^2/NDF : 3102.7/28

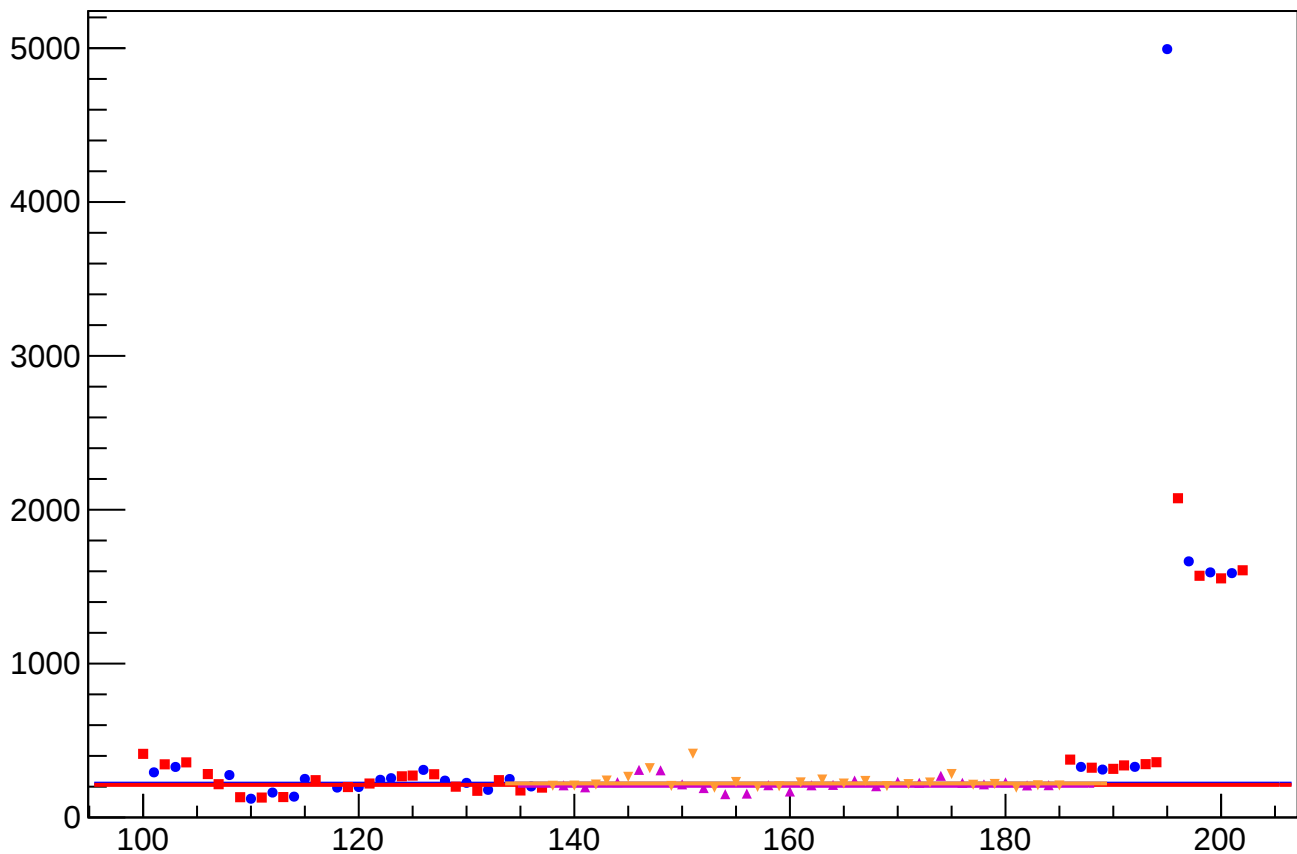
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 263.537 ± 43.612 χ^2/NDF : 2883.2/48

All: -8.458 ± 29.871 χ^2/NDF : 7317.7/100

- sign -248.819 ± 40.997 χ^2/NDF : 4361.2/51

asym_bpm0l09WS_rms vs Slug



Right In: 219.625+/-0.055 χ^2/NDF : 6298088.7/23

Left Out: 221.398+/-0.037 χ^2/NDF : 777833.8/24

Right Out: 211.859+/-0.049 χ^2/NDF : 6675493.8/28

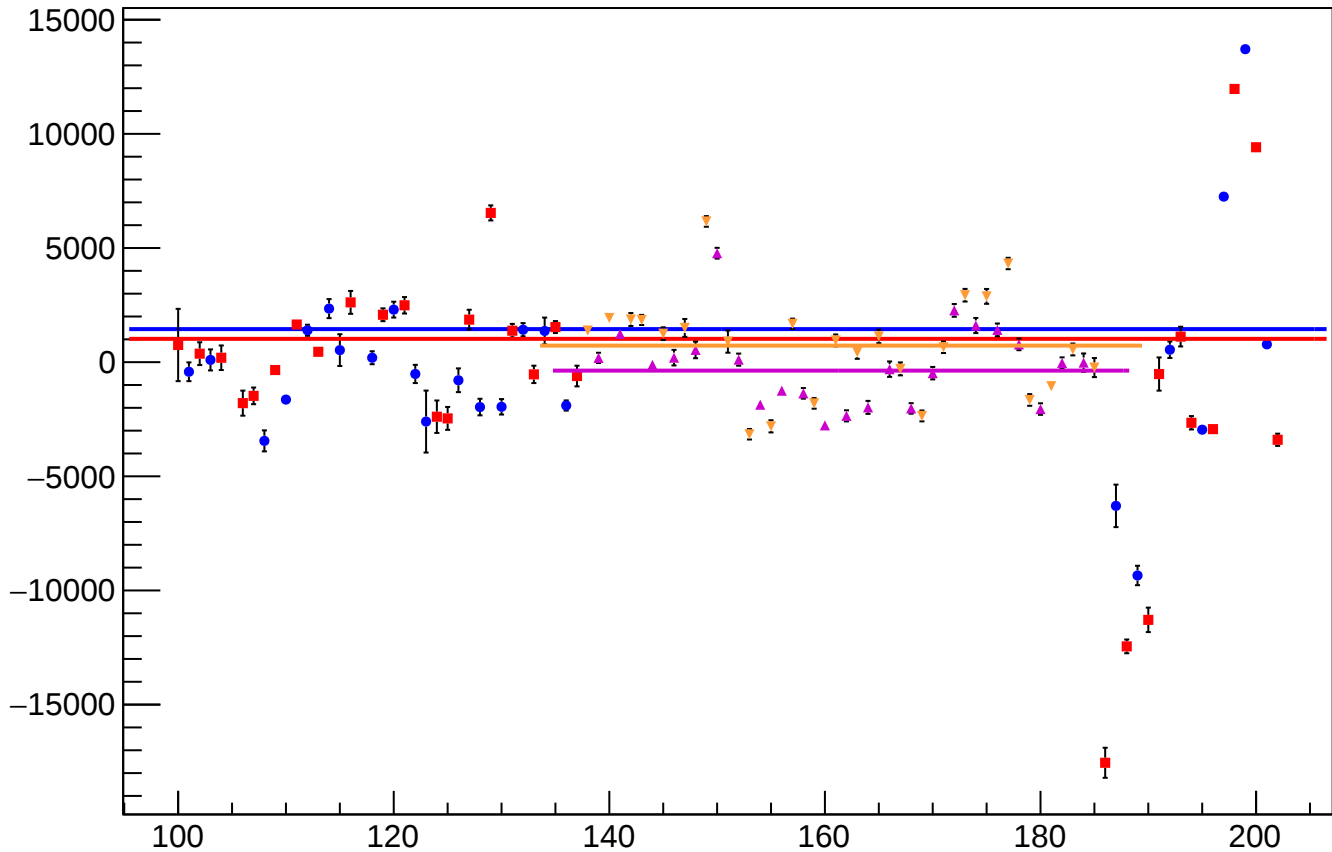
Left In: 205.803+/-0.036 χ^2/NDF : 994903.5/22

+ sign 220.839+/-0.031 χ^2/NDF : 7076636.2/48

All: 213.994+/-0.021 χ^2/NDF : 14849817.2/10

- sign 207.945+/-0.029 χ^2/NDF : 7680370.5/51

asym_bpm0l10WS_mean vs Slug



Right In: 1447.957 $\pm$ 63.305 χ^2 /NDF: 6608.2/23

Left Out: 725.250 $\pm$ 52.307 χ^2 /NDF:1883.1/24

Right Out: 1021.357 $\pm$ 58.666 χ^2 /NDF: 8955.8/28

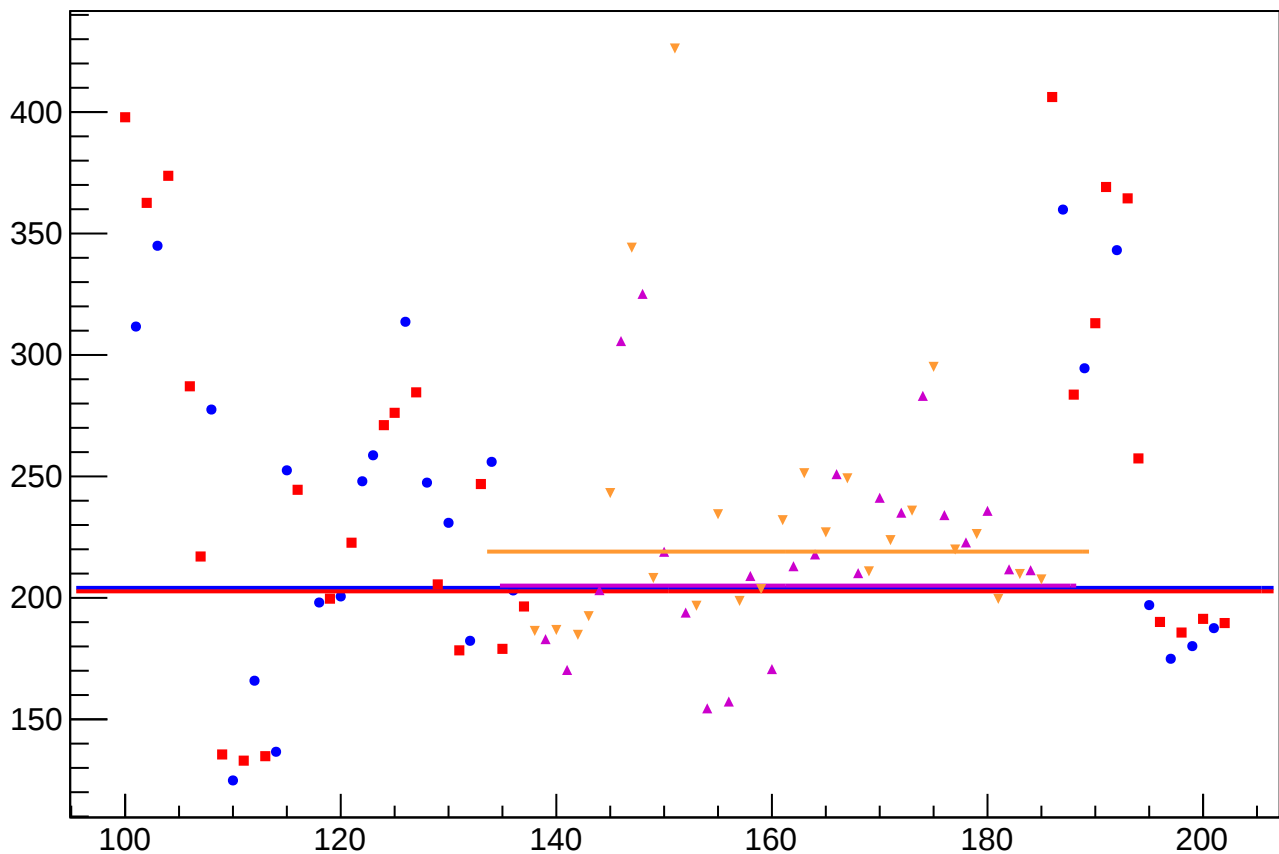
Left In: -370.408 $\pm$ 50.884 χ^2 /NDF:1223.2/22

+ sign 1018.470 $\pm$ 40.323 χ^2 /NDF: 8568.7/48

All: 603.878 $\pm$ 27.823 χ^2 /NDF: 19270.7/100

- sign 227.115 $\pm$ 38.440 χ^2 /NDF: 10500.2/51

asym_bpm0l10WS_rms vs Slug



Right In: 204.114 $\pm$ 0.045 χ^2 /NDF: 1469349.6/23

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF: 975564.4/24

Right Out: 202.687 $\pm$ 0.041 χ^2 /NDF: 2286963.9/28

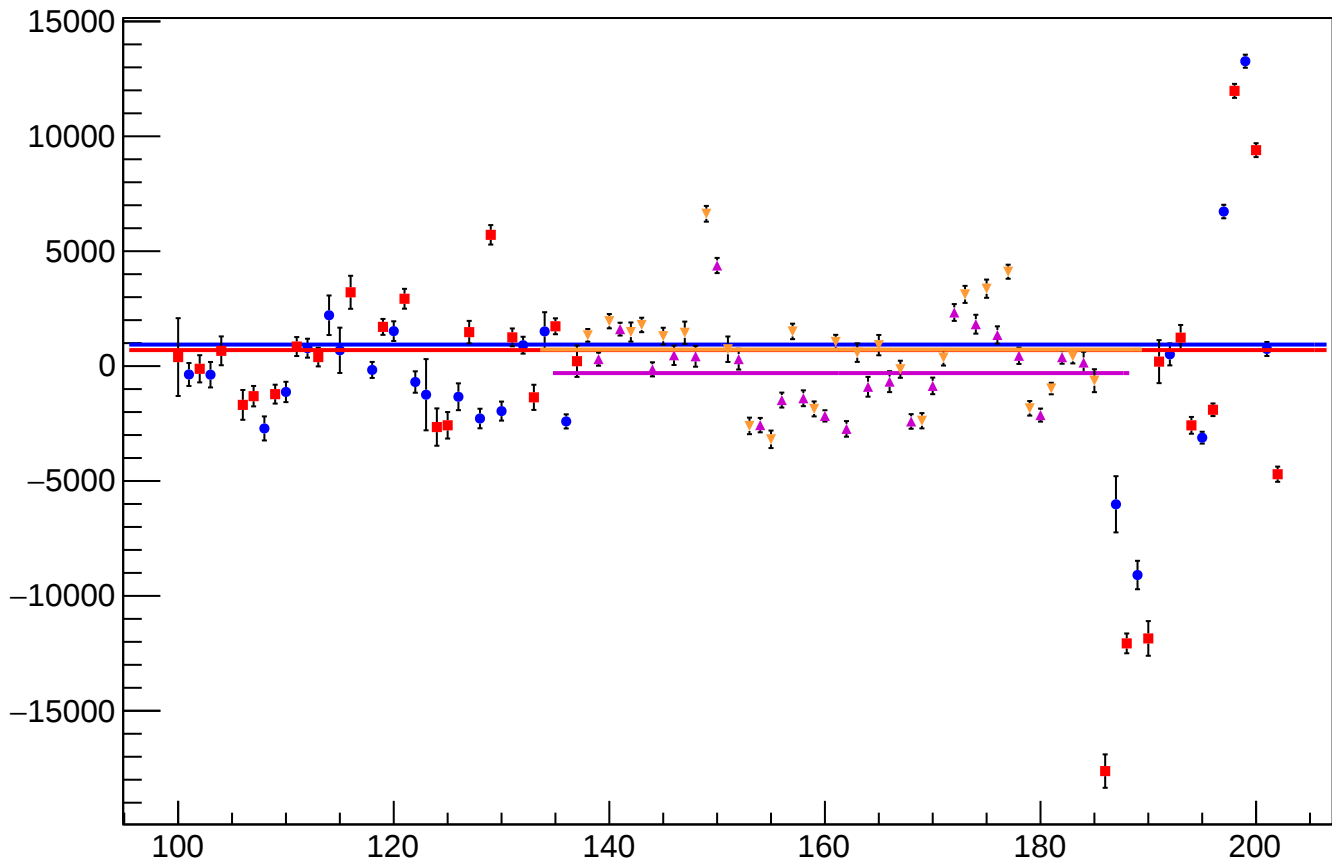
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF: 1144197.1/22

+ sign 212.989 $\pm$ 0.029 χ^2 /NDF: 2511061.1/48

All: 208.297 $\pm$ 0.020 χ^2 /NDF: 5995758.1/100

- sign 204.033 $\pm$ 0.027 χ^2 /NDF: 3433007.8/51

asym_bpm0r03WS_mean vs Slug



Right In: 936.547 ± 86.332 χ^2/NDF : 3160.8/23

Left Out: 718.705 ± 69.601 χ^2/NDF : 1018.5/24

Right Out: 696.326 ± 82.630 χ^2/NDF : 4752.3/28

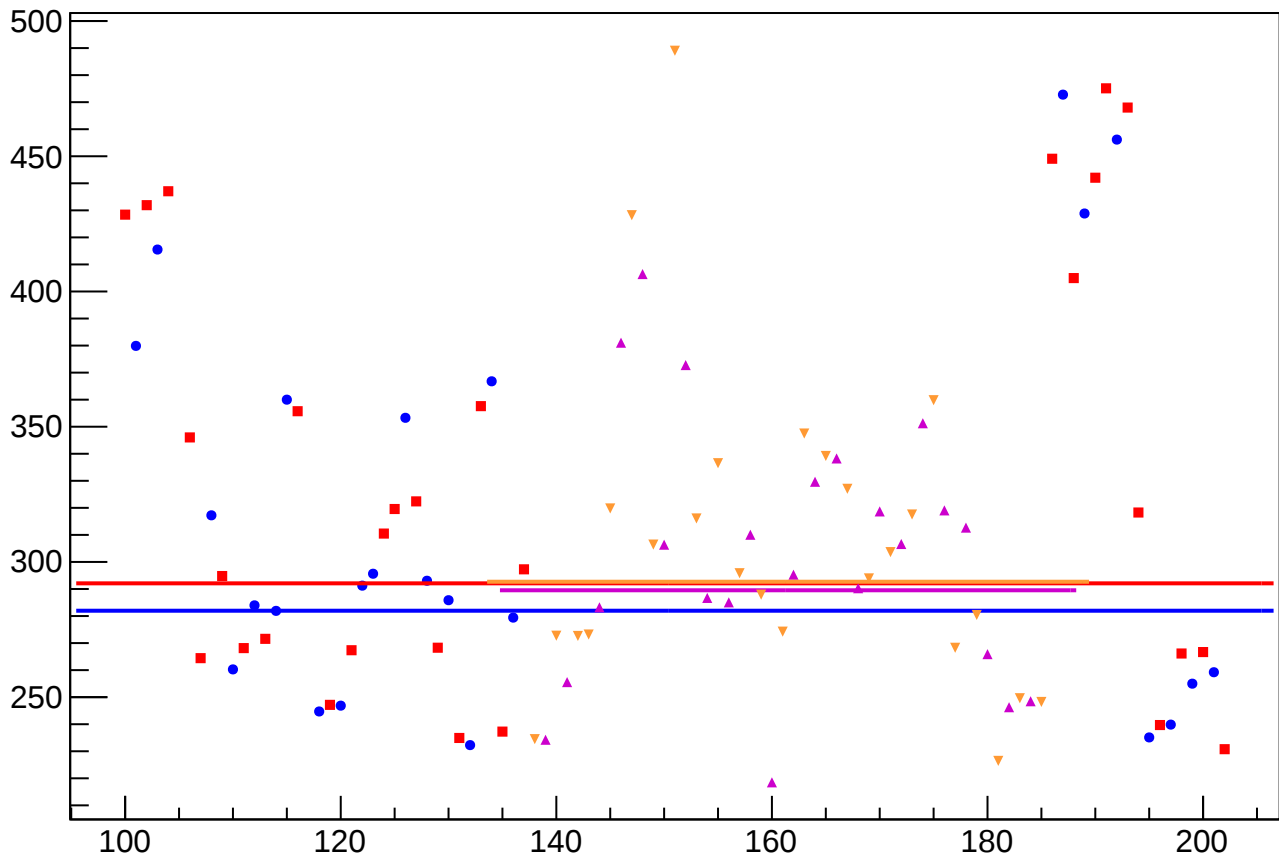
Left In: -304.161 ± 70.958 χ^2/NDF : 643.5/22

+ sign 804.518 ± 54.185 χ^2/NDF : 4183.1/48

All: 460.271 ± 38.189 χ^2/NDF : 9743.5/100

- sign 120.485 ± 53.833 χ^2/NDF : 5480.2/51

asym_bpm0r03WS_rms vs Slug



Right In: 281.964 $\pm$ 0.061 χ^2 /NDF: 906962.1/23

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

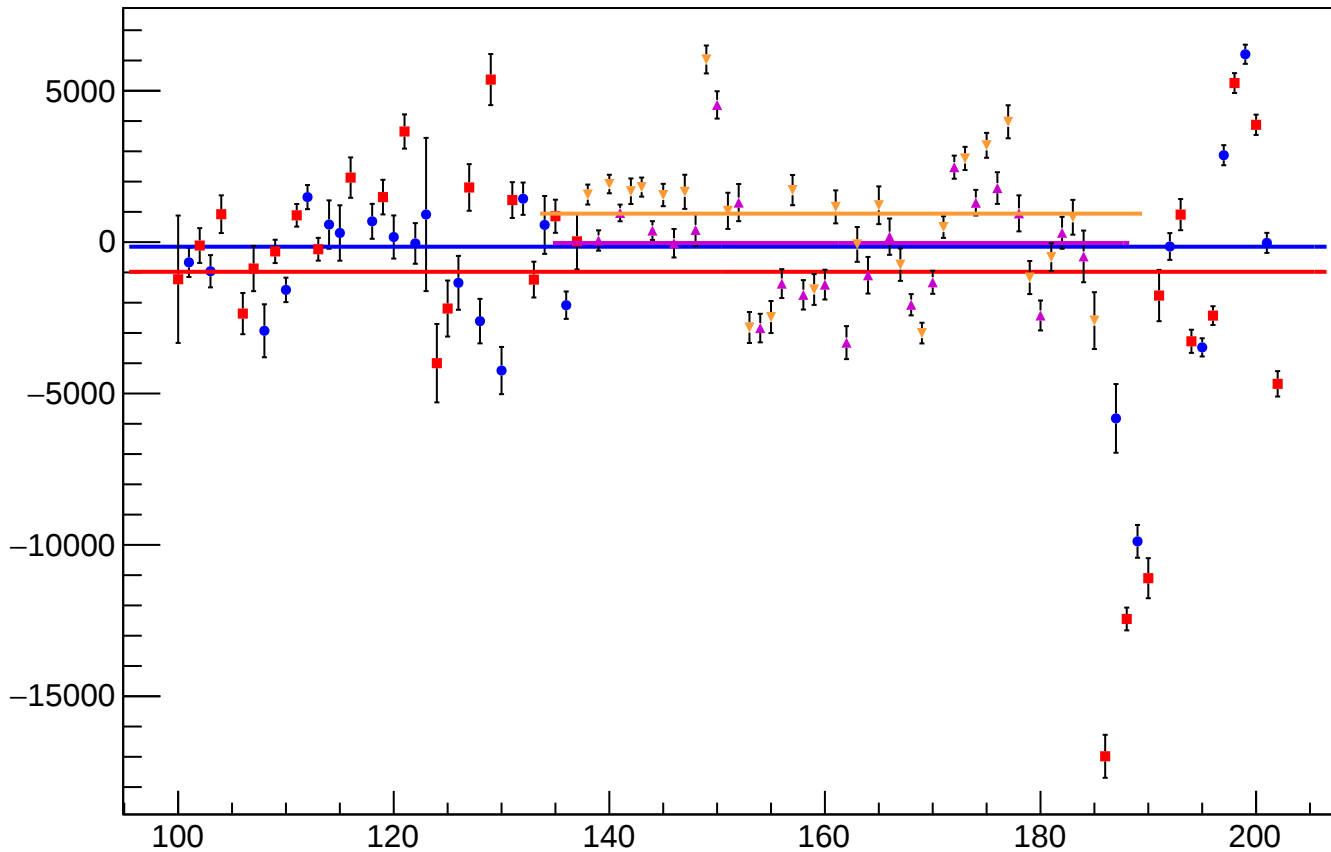
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 288.462 $\pm$ 0.038 χ^2 /NDF: 1850850.8/48

All: 289.544 $\pm$ 0.027 χ^2 /NDF: 3862329.3/100

- sign 290.611 $\pm$ 0.038 χ^2 /NDF: 2009895.6/51

asym_bpm0r05WS_mean vs Slug



Right In: -150.787 ± 102.905 $\chi^2/\text{NDF}: 1070.8/23$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -979.248 ± 94.514 $\chi^2/\text{NDF}: 2655.1/28$

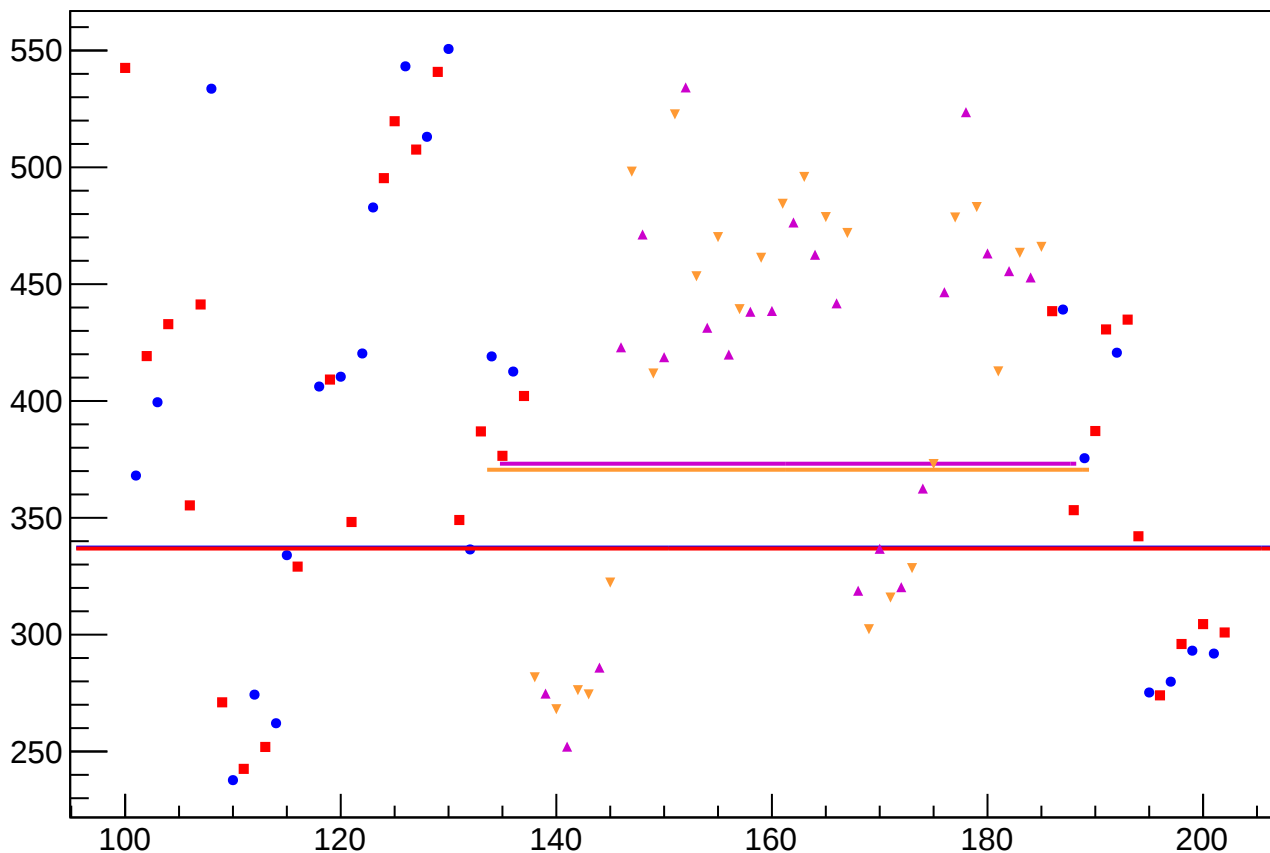
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign 473.431 ± 67.367 $\chi^2/\text{NDF}: 1679.7/48$

All: -19.046 ± 47.162 $\chi^2/\text{NDF}: 4854.0/100$

- sign -492.393 ± 66.046 $\chi^2/\text{NDF}: 3069.5/51$

asym_bpm0r05WS_rms vs Slug



Right In: 337.267 $\pm$ 0.073 χ^2 /NDF: 1172160.7/23

Left Out: 370.580 $\pm$ 0.063 χ^2 /NDF:1878118.9/24

Right Out: 336.853 $\pm$ 0.067 χ^2 /NDF: 1128368.0/28

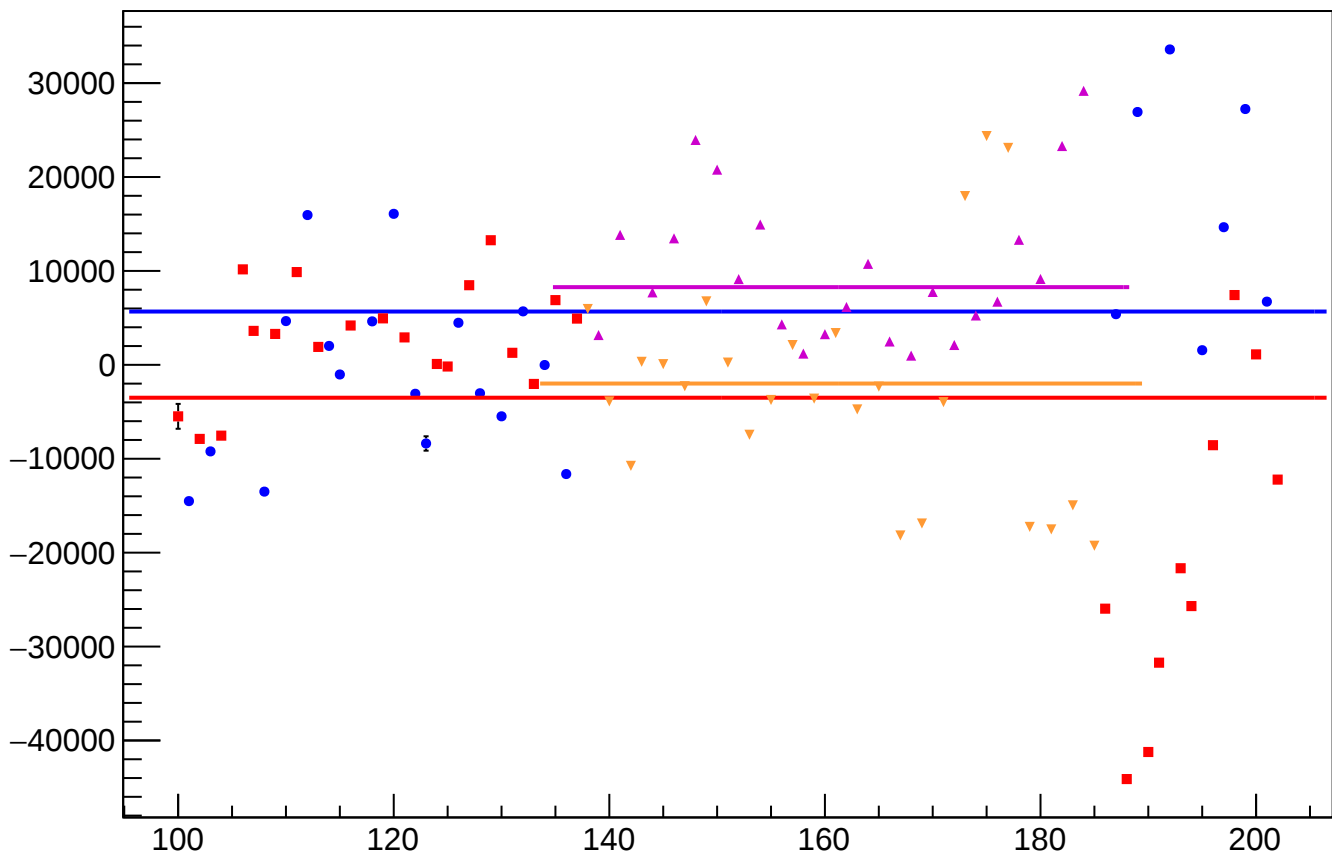
Left In: 373.161 $\pm$ 0.065 χ^2 /NDF:1636244.2/22

+ sign 356.303 $\pm$ 0.048 χ^2 /NDF: 3170046.5/48

All: 355.858 $\pm$ 0.033 χ^2 /NDF: 6085850.7/100

- sign 355.431 $\pm$ 0.047 χ^2 /NDF: 2915633.4/51

asym_bpm0i02WS_mean vs Slug



Right In: 5675.661+/-45.367 χ^2/NDF : 84673.6/23

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -3501.445+/-42.017 χ^2/NDF : 132040.1/28

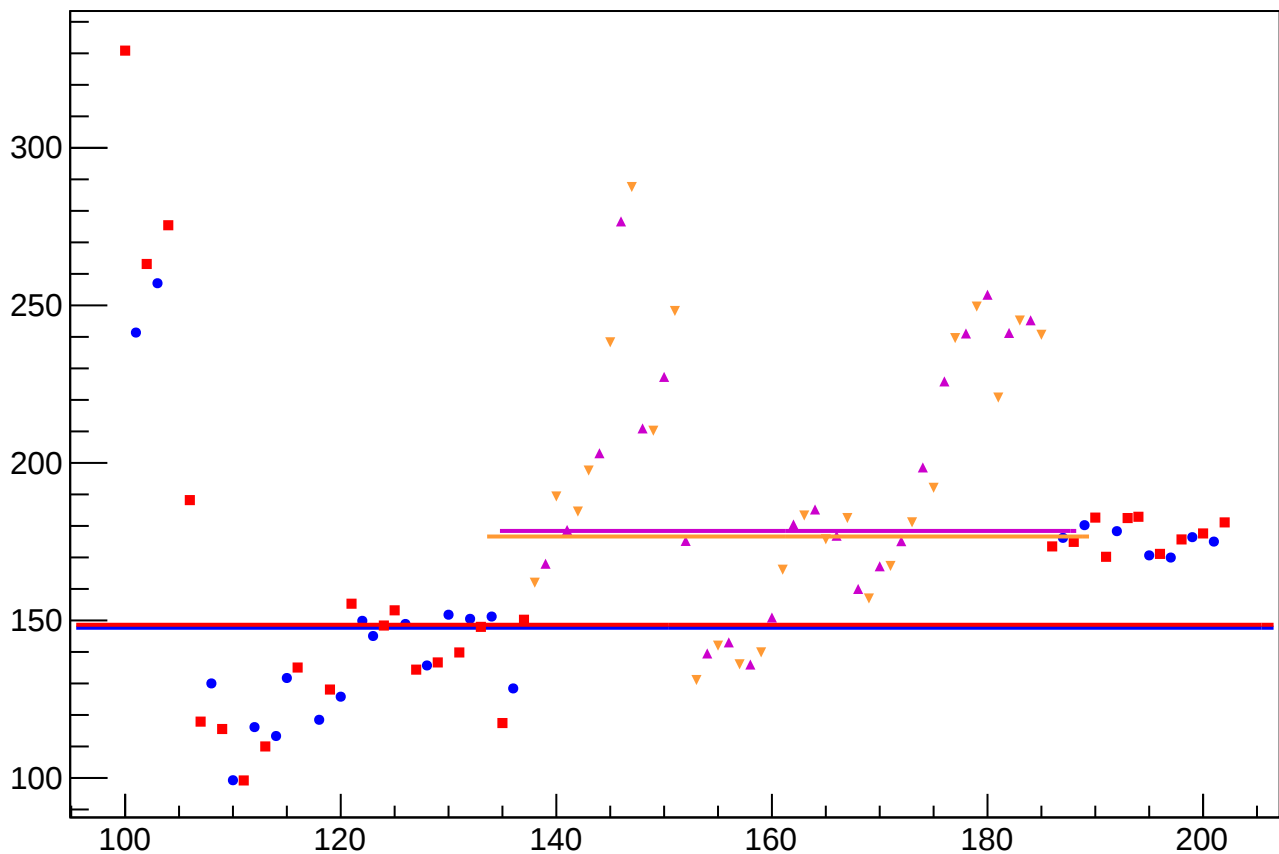
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 1585.450+/-30.988 χ^2/NDF : 163677.8/48

All: 1833.972+/-21.732 χ^2/NDF : 355904.1/10

- sign 2074.516+/-30.486 χ^2/NDF : 192099.7/51

asym_bpm0i02WS_rms vs Slug



Right In: 147.684+/-0.032 χ^2/NDF : 993110.2/23

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 148.632+/-0.030 χ^2/NDF : 1353383.1/28

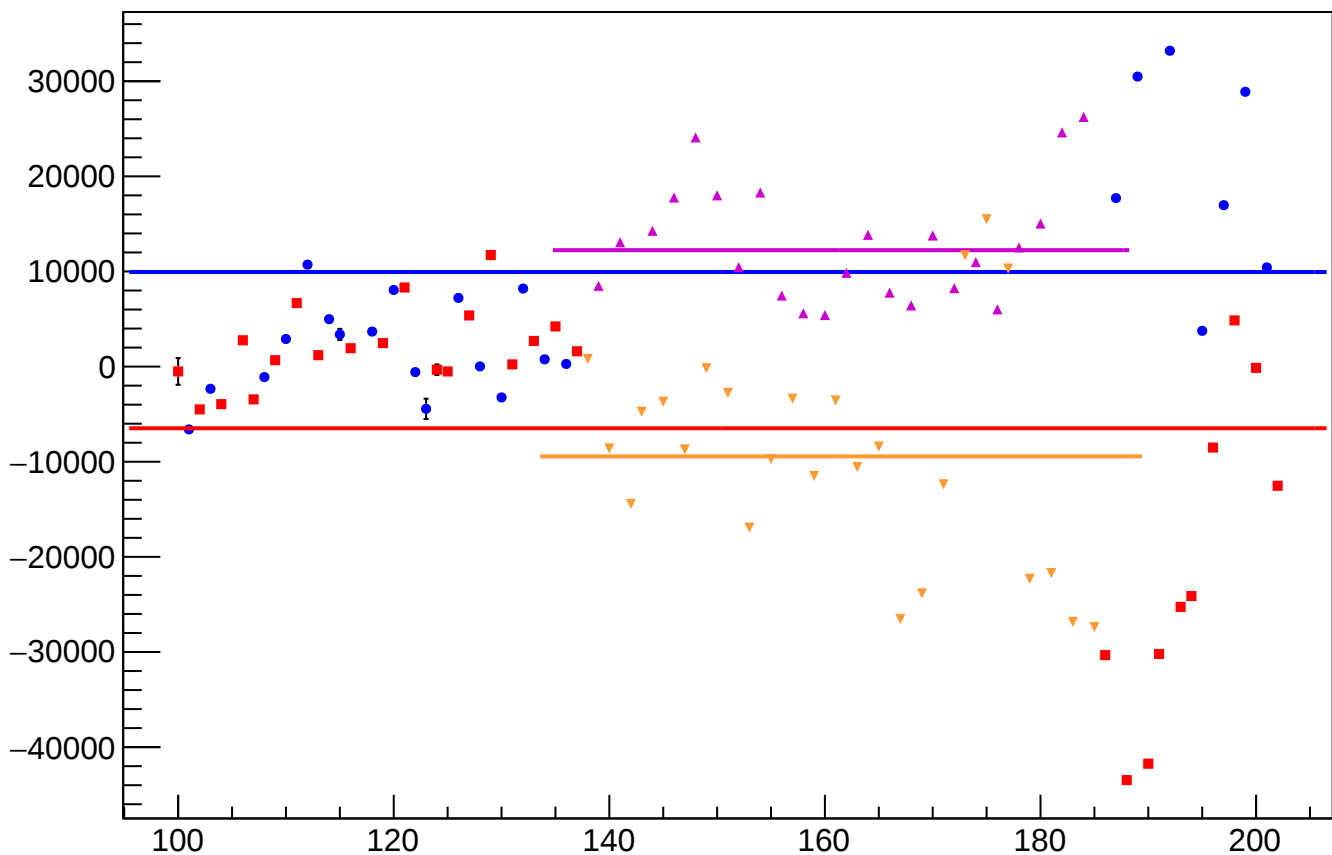
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 163.131+/-0.022 χ^2/NDF : 2978808.2/48

All: 162.930+/-0.015 χ^2/NDF : 6101915.2/100

- sign 162.735+/-0.022 χ^2/NDF : 3122940.8/51

asym_bpm0i02aWS_mean vs Slug



Right In: 9942.915+/-53.109 χ^2/NDF : 45569.6/23

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -6480.357+/-48.304 χ^2/NDF : 102127.7/28

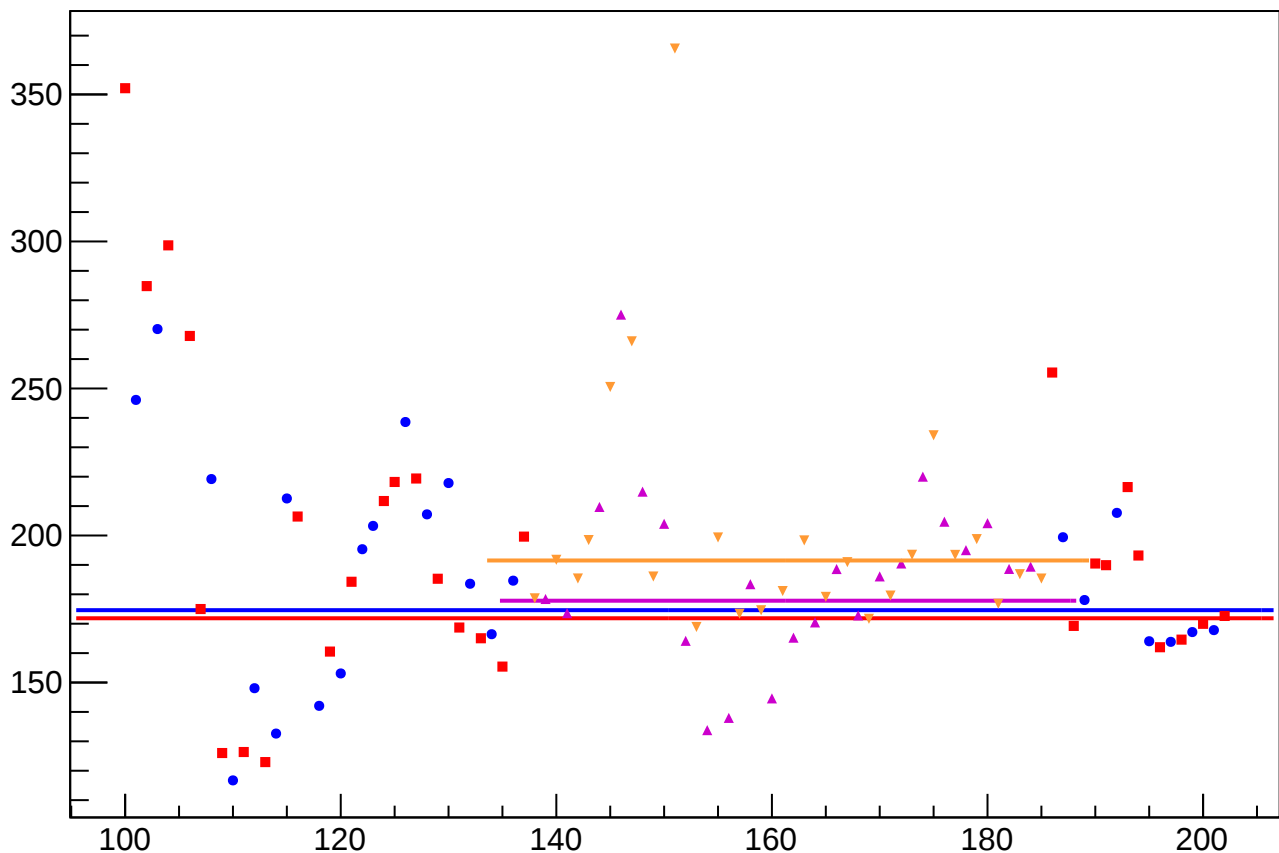
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -1226.758+/-34.568 χ^2/NDF : 184536.9/48

All: 1421.846+/-23.681 χ^2/NDF : 396542.0/10

- sign 3763.796+/-32.506 χ^2/NDF : 200943.8/51

asym_bpm0i02aWS_rms vs Slug



Right In: 174.606+/-0.038 χ^2/NDF : 758043.5/23

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 171.850+/-0.034 χ^2/NDF : 1123599.9/28

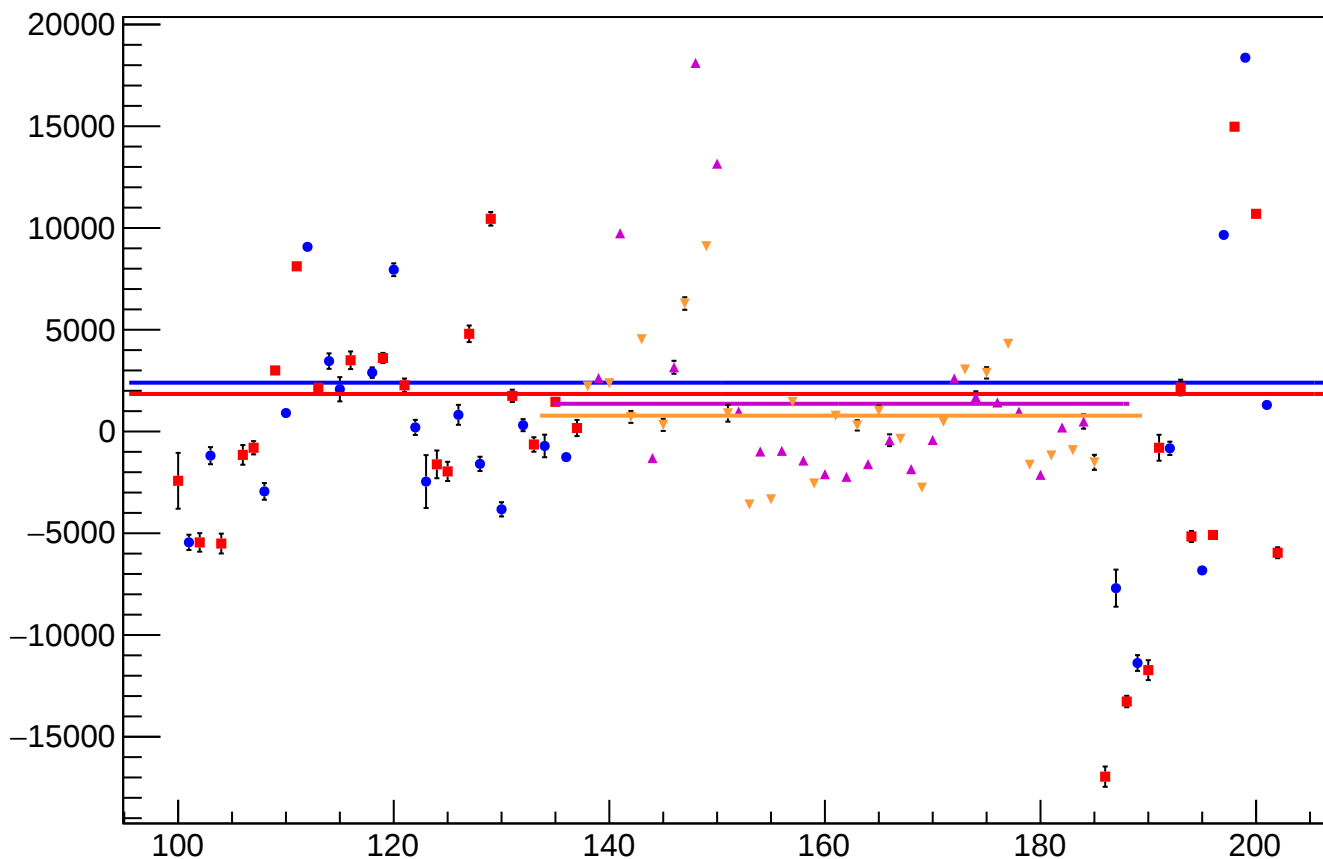
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 184.347+/-0.024 χ^2/NDF : 1602027.3/48

All: 179.448+/-0.017 χ^2/NDF : 3680505.7/100

- sign 175.117+/-0.023 χ^2/NDF : 2002818.0/51

asym_bpm0i05WS_mean vs Slug



Right In: 2399.071+/-59.614 χ^2/NDF : 14191.0/23

Left Out: 779.983+/-47.457 χ^2/NDF : 4260.8/24

Right Out: 1844.516+/-54.666 χ^2/NDF : 16534.3/28

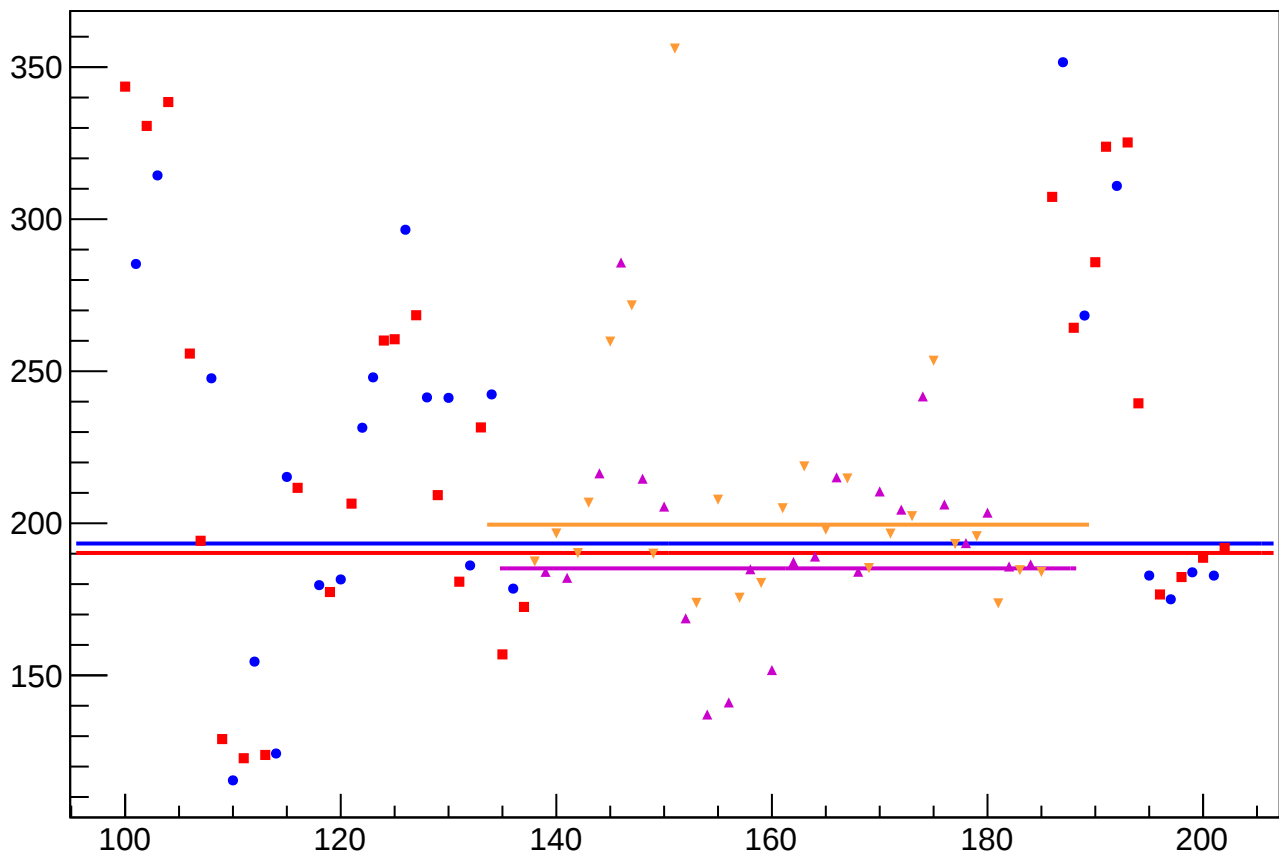
Left In: 1363.043+/-45.807 χ^2/NDF : 11632.9/22

+ sign 1408.042+/-37.129 χ^2/NDF : 18903.2/48

All: 1489.137+/-25.510 χ^2/NDF : 47125.0/100

- sign 1561.652+/-35.110 χ^2/NDF : 28212.7/51

asym_bpm0i05WS_rms vs Slug



Right In: 193.348 $\pm$ 0.042 χ^2 /NDF: 1406215.6/23

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

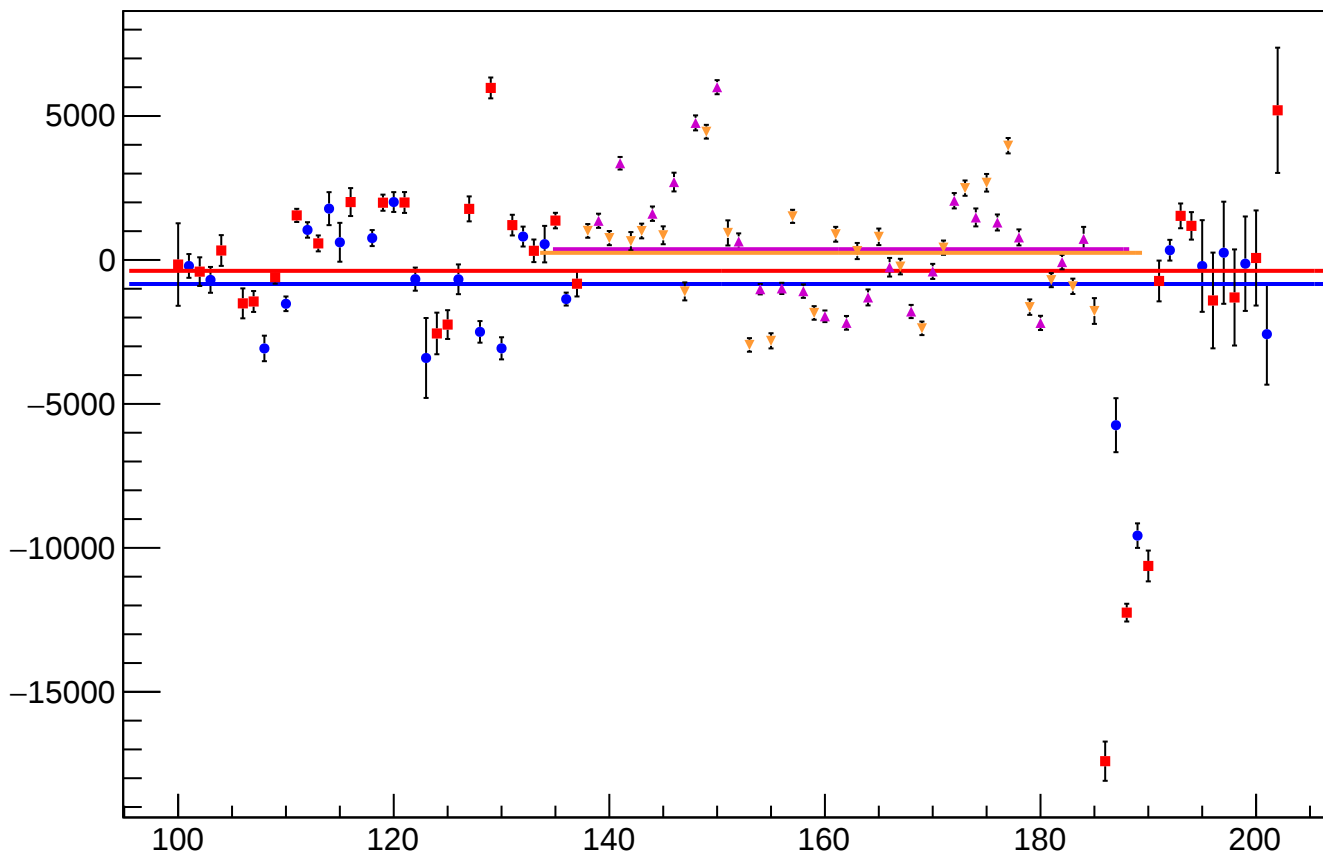
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 197.142 $\pm$ 0.026 χ^2 /NDF: 2148806.9/48

All: 191.927 $\pm$ 0.018 χ^2 /NDF: 5244075.6/100

- sign 187.263 $\pm$ 0.025 χ^2 /NDF: 3020512.4/51

asym_bpm0i07WS_mean vs Slug



Right In: -834.893 ± 83.739 χ^2/NDF : 761.1/23

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -377.934 ± 75.140 χ^2/NDF : 3169.1/28

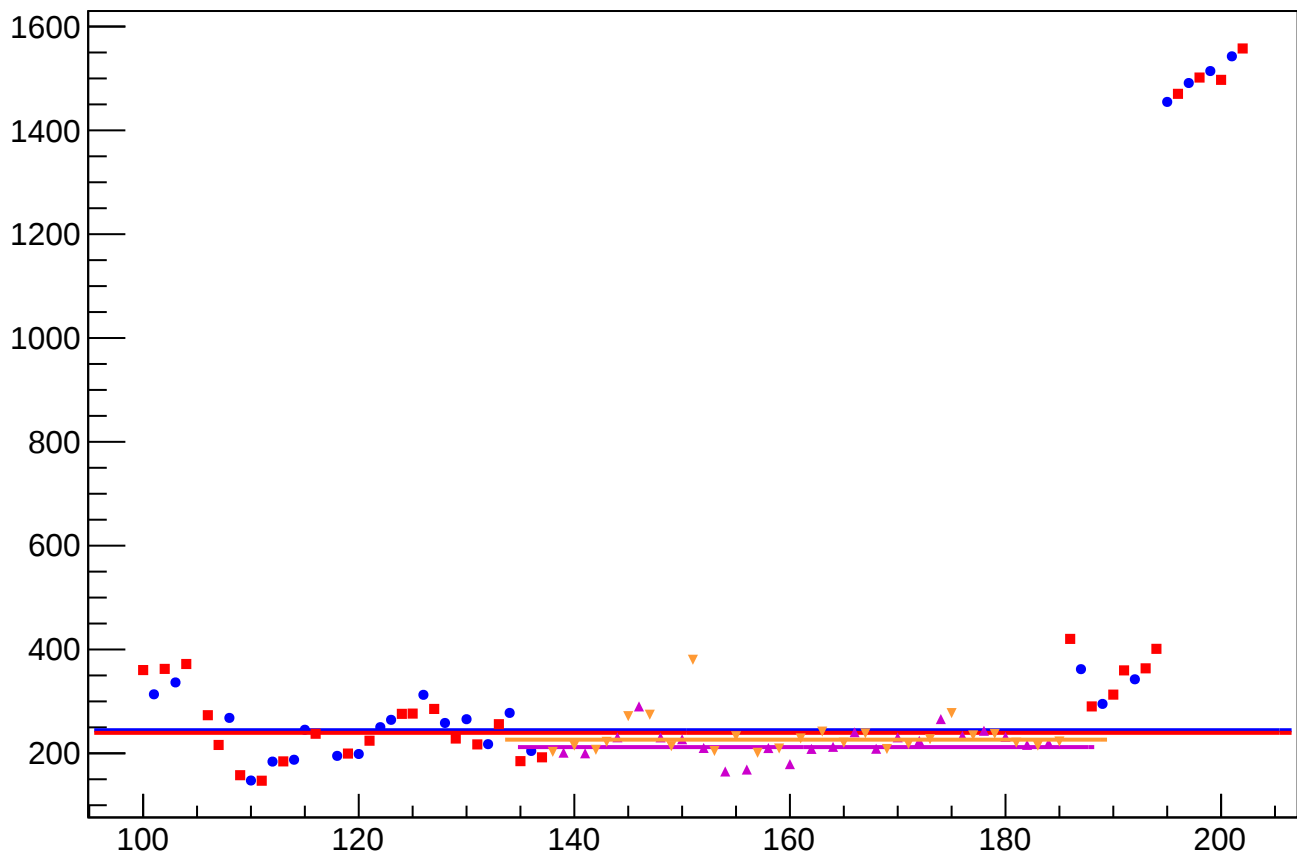
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -66.460 ± 45.117 χ^2/NDF : 2234.9/48

All: 37.118 ± 31.046 χ^2/NDF : 7282.7/100

- sign 130.272 ± 42.787 χ^2/NDF : 5037.8/51

asym_bpm0i07WS_rms vs Slug



Right In: 244.489+/-0.059 χ^2/NDF : 5427704.9/23

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 239.449+/-0.053 χ^2/NDF : 5967447.8/28

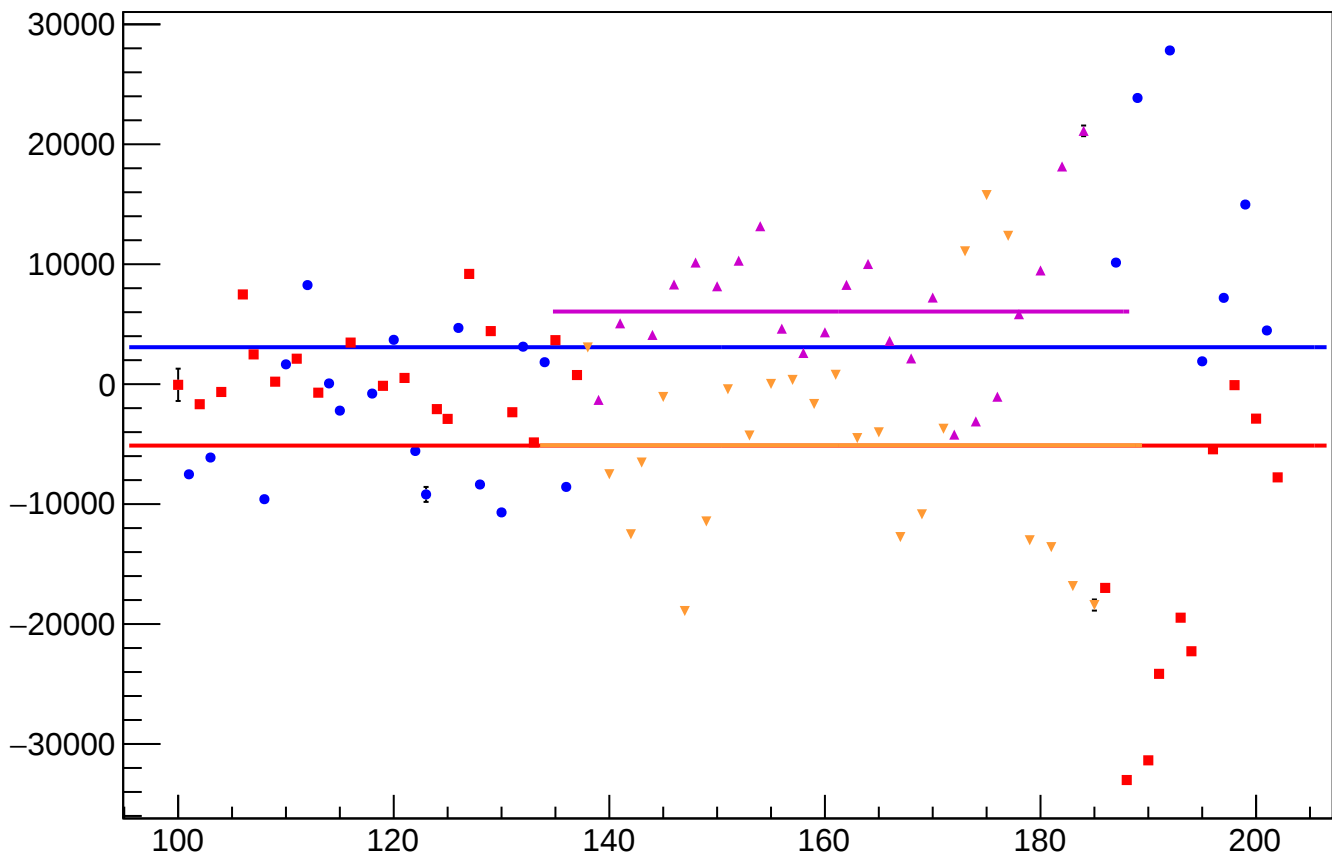
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 231.595+/-0.032 χ^2/NDF : 6015556.3/48

All: 225.954+/-0.022 χ^2/NDF : 12807498.0/10

- sign 220.880+/-0.030 χ^2/NDF : 6732546.7/51

asym_bpm1i02WS_mean vs Slug



Right In: 3081.097 ± 38.563 $\chi^2/\text{NDF}: 73214.0/23$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

Right Out: -5121.595 ± 35.401 $\chi^2/\text{NDF}: 100997.5/28$

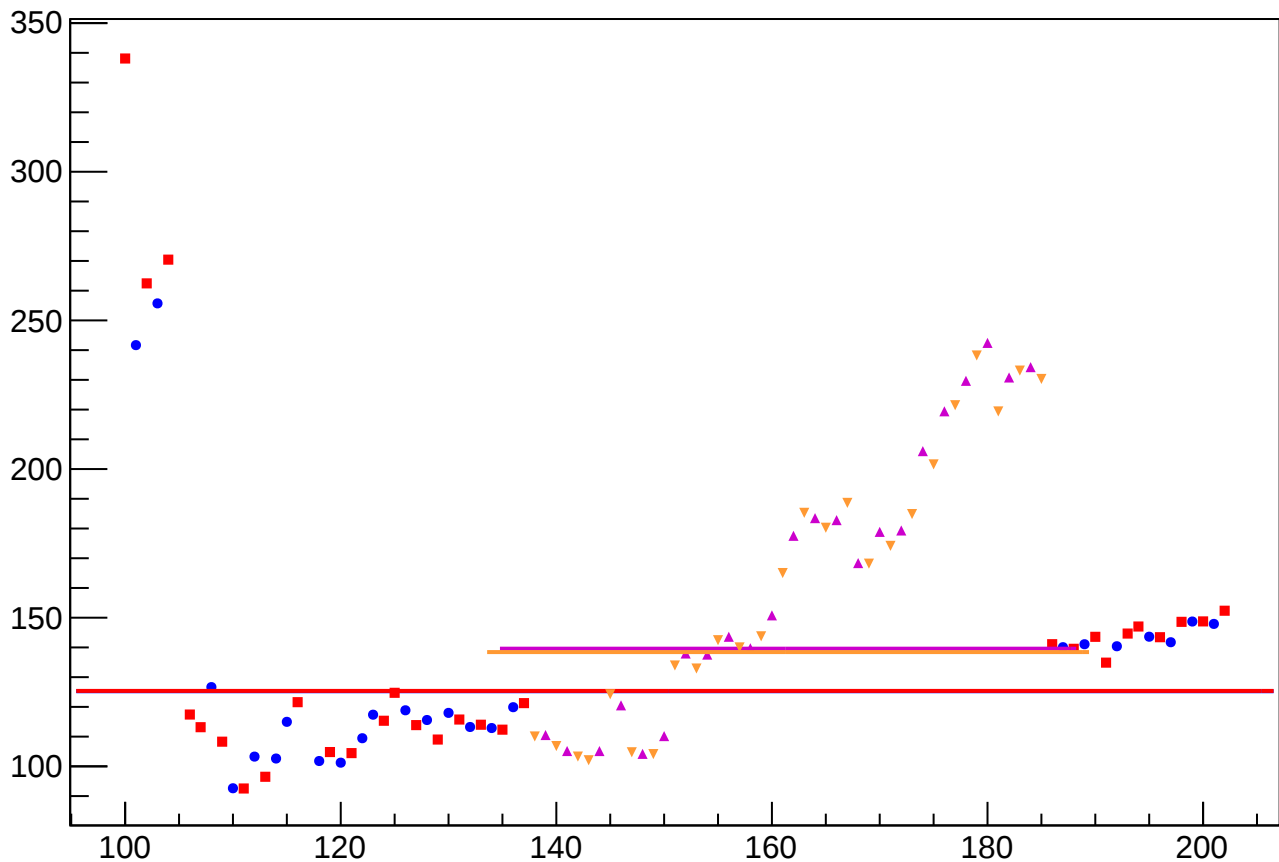
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -1554.420 ± 25.377 $\chi^2/\text{NDF}: 153096.7/48$

All: -491.989 ± 17.769 $\chi^2/\text{NDF}: 325518.6/10$

- sign 529.926 ± 24.889 $\chi^2/\text{NDF}: 168983.3/51$

asym_bpm1i02WS_rms vs Slug



Right In: 125.263+/-0.027 χ^2/NDF : 985803.1/23

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 125.375+/-0.025 χ^2/NDF : 1178338.6/28

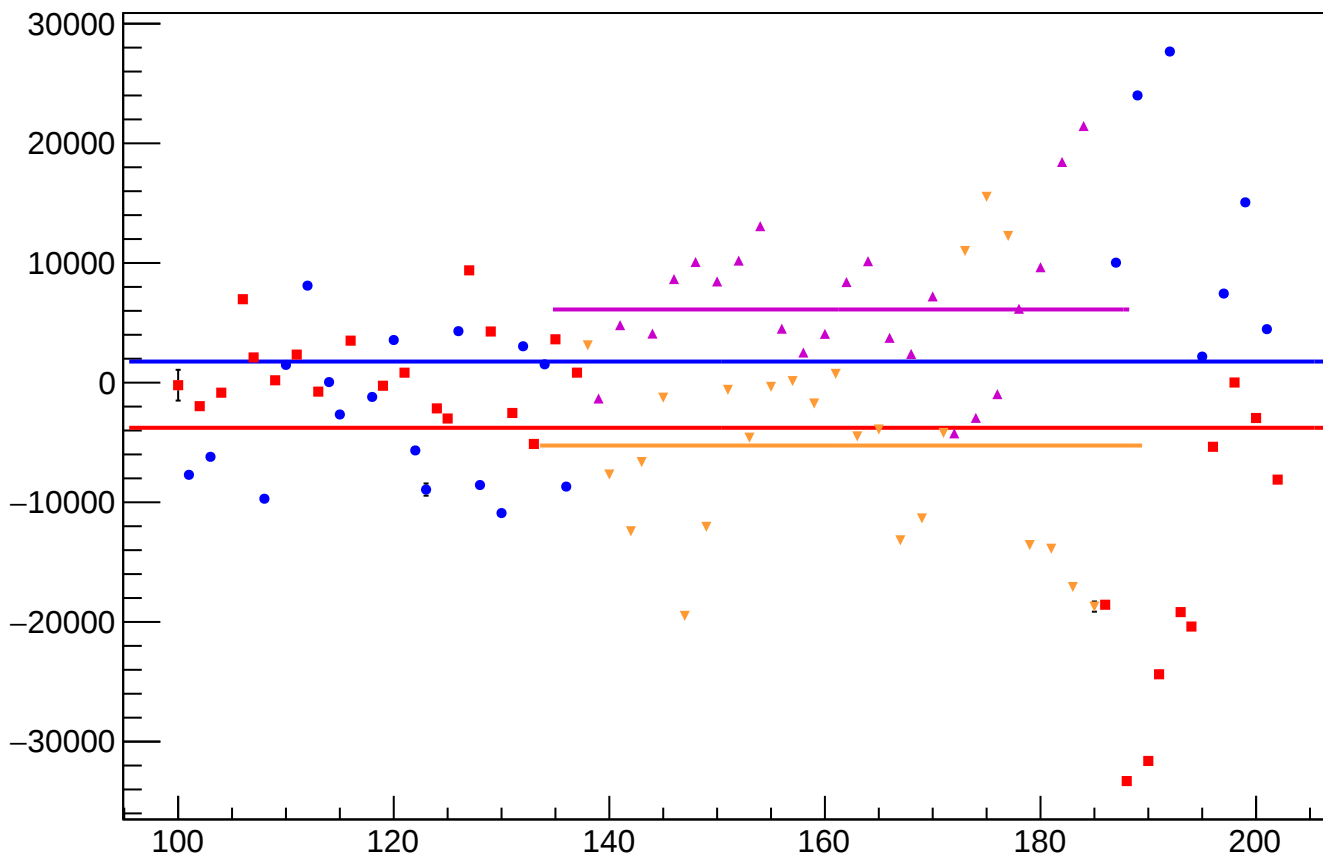
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 132.731+/-0.018 χ^2/NDF : 3667549.6/48

All: 132.643+/-0.013 χ^2/NDF : 7422391.2/100

- sign 132.558+/-0.018 χ^2/NDF : 3754794.1/51

asym_bpm1i04WS_mean vs Slug



Right In: 1763.088+/-34.290 χ^2/NDF : 80264.9/23

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -3772.851+/-31.715 χ^2/NDF : 108088.4/28

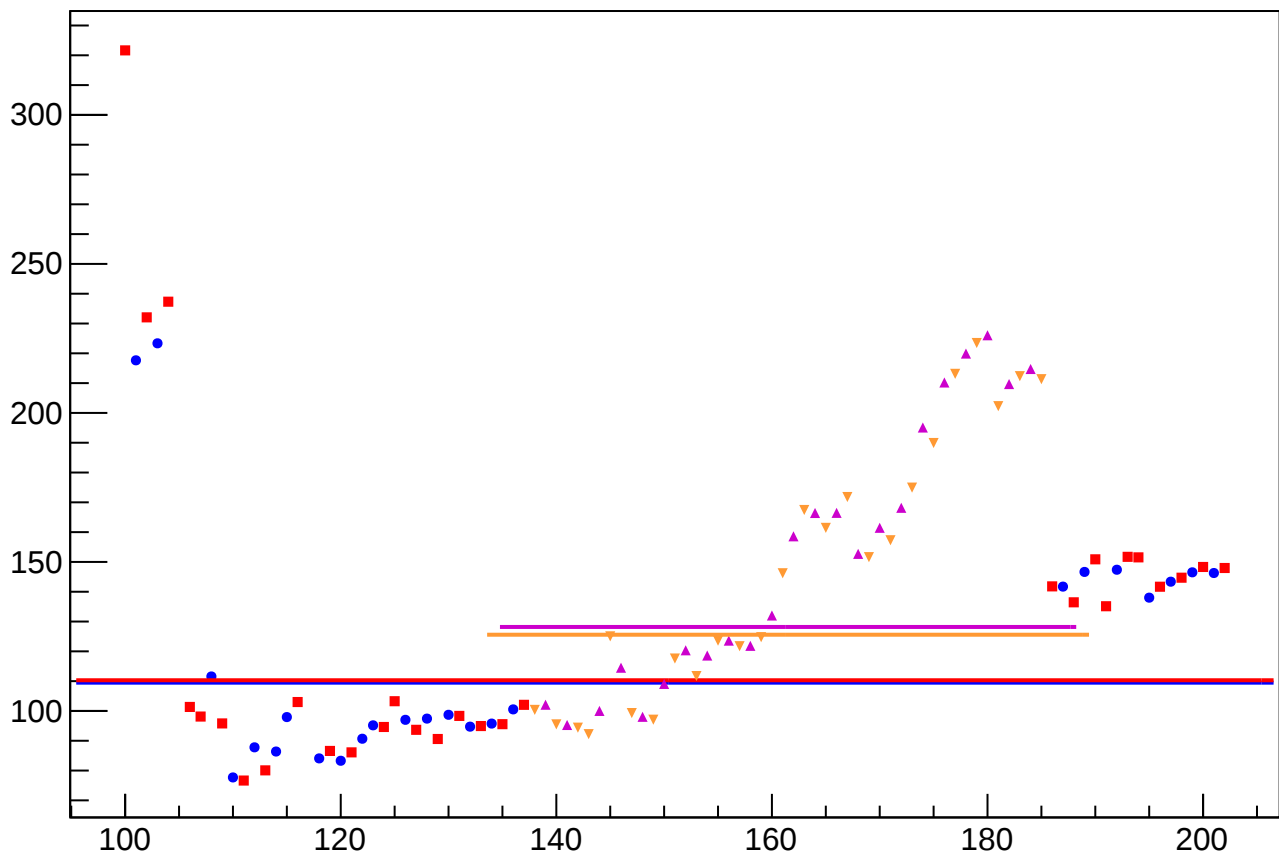
Left In: 6114.901+/-32.126 χ^2/NDF : 21260.9/22

+ sign -2141.668+/-22.840 χ^2/NDF : 167897.8/48

All: -497.775+/-16.054 χ^2/NDF : 355460.6/10

- sign 1107.391+/-22.570 χ^2/NDF : 177324.5/51

asym_bpm1i04WS_rms vs Slug



Right In: 109.494 $\pm$ 0.024 χ^2 /NDF: 1569502.6/23

Left Out: 125.577 $\pm$ 0.022 χ^2 /NDF: 2595752.6/24

Right Out: 110.298 $\pm$ 0.022 χ^2 /NDF: 1922652.5/28

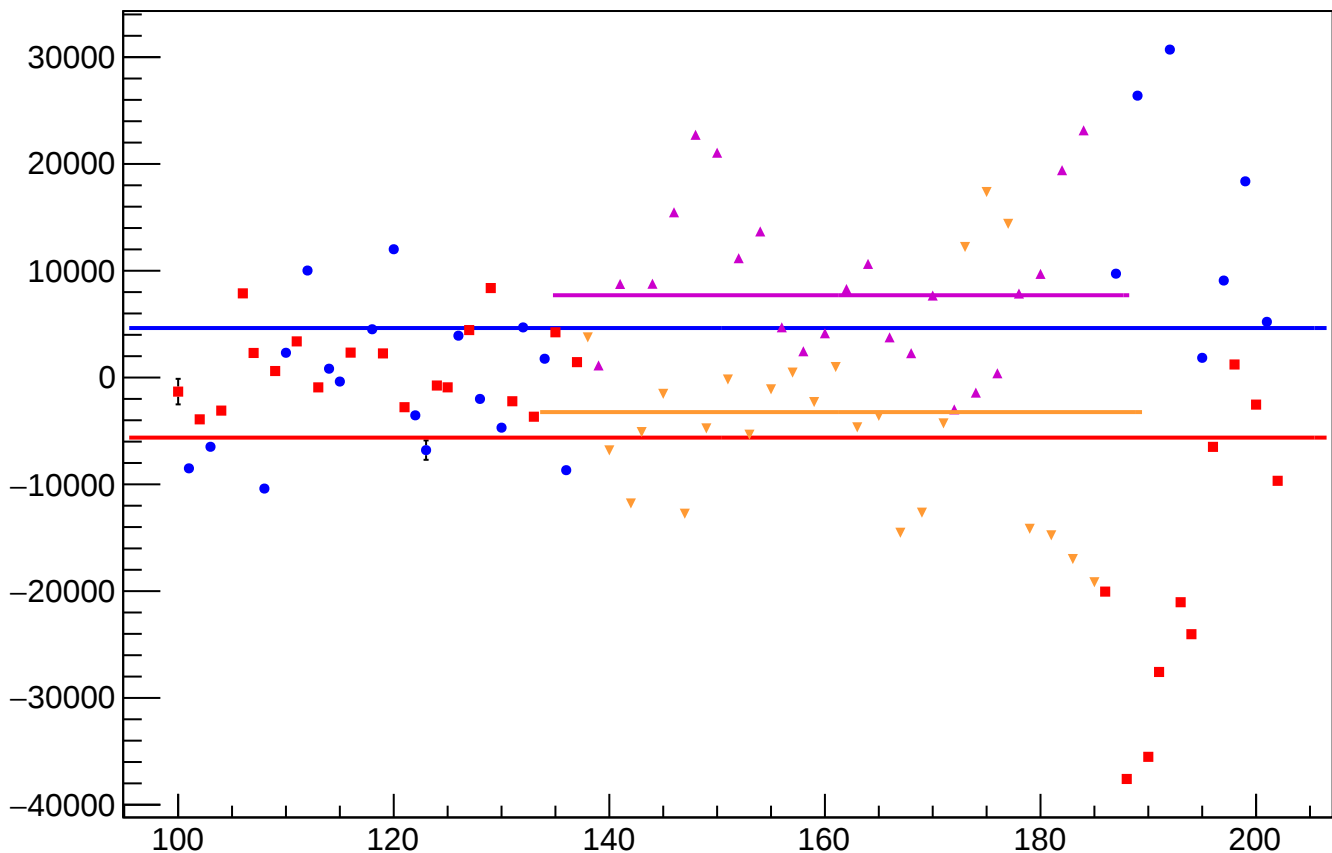
Left In: 128.184 $\pm$ 0.023 χ^2 /NDF: 2332977.5/22

+ sign 118.442 $\pm$ 0.016 χ^2 /NDF: 4410024.7/48

All: 118.788 $\pm$ 0.011 χ^2 /NDF: 8980506.4/100

- sign 119.126 $\pm$ 0.016 χ^2 /NDF: 4569574.0/51

asym_bpm1i06WS_mean vs Slug



Right In: 4635.788+/-45.586 χ^2/NDF : 57821.0/23

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -5624.461+/-41.987 χ^2/NDF : 90356.1/28

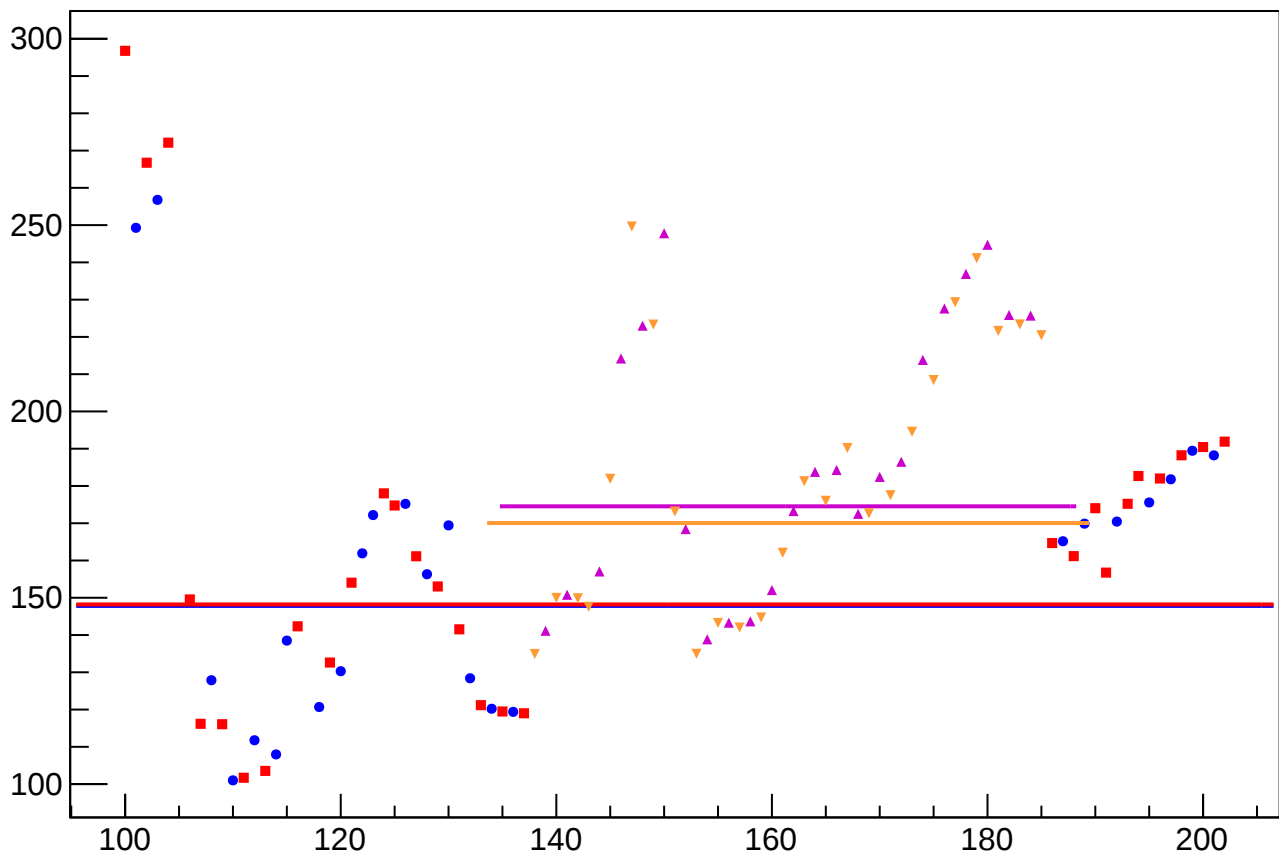
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 244.995+/-30.311 χ^2/NDF : 111191.3/48

All: 567.412+/-21.336 χ^2/NDF : 272258.0/100

- sign 884.034+/-30.038 χ^2/NDF : 160842.5/51

asym_bpm1i06WS_rms vs Slug



Right In: 147.820 $\pm$ 0.032 χ^2 /NDF: 1206519.4/23

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

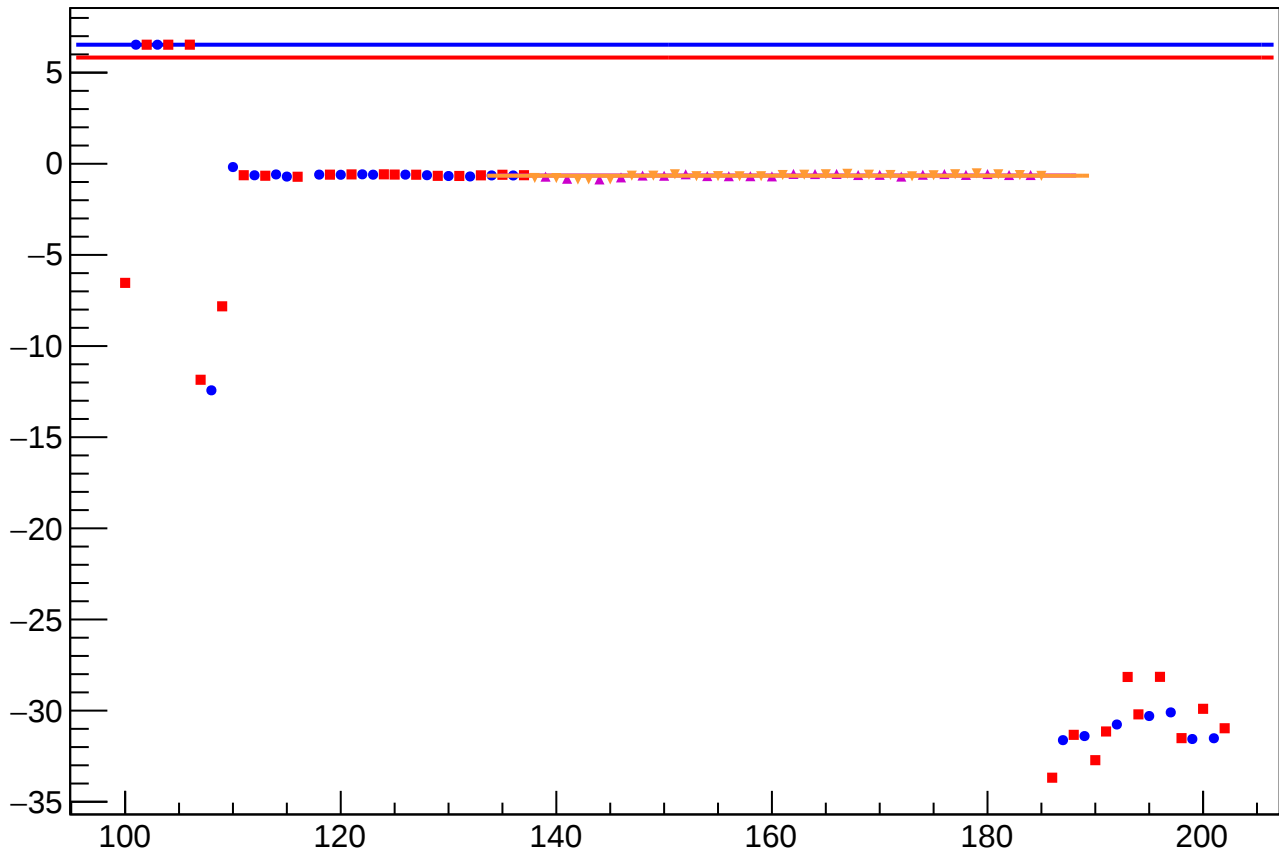
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 160.221 $\pm$ 0.021 χ^2 /NDF: 2712696.1/48

All: 160.645 $\pm$ 0.015 χ^2 /NDF: 5753480.2/100

- sign 161.062 $\pm$ 0.021 χ^2 /NDF: 3040008.5/51

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127874347712.2/23

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947754590128.9/28

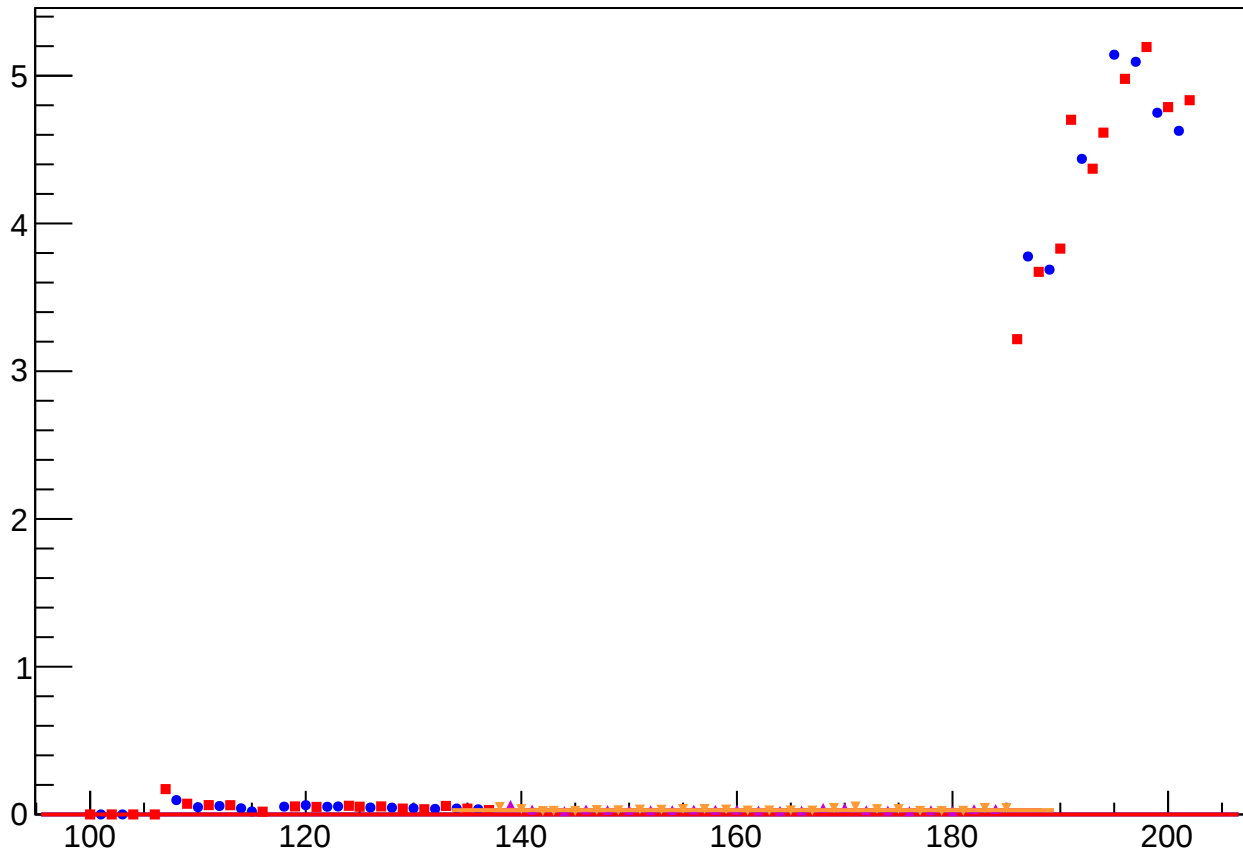
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 999263629000.5/48

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 7776021677235

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756619099192641.2/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18214419.3/23

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21781317.4/28

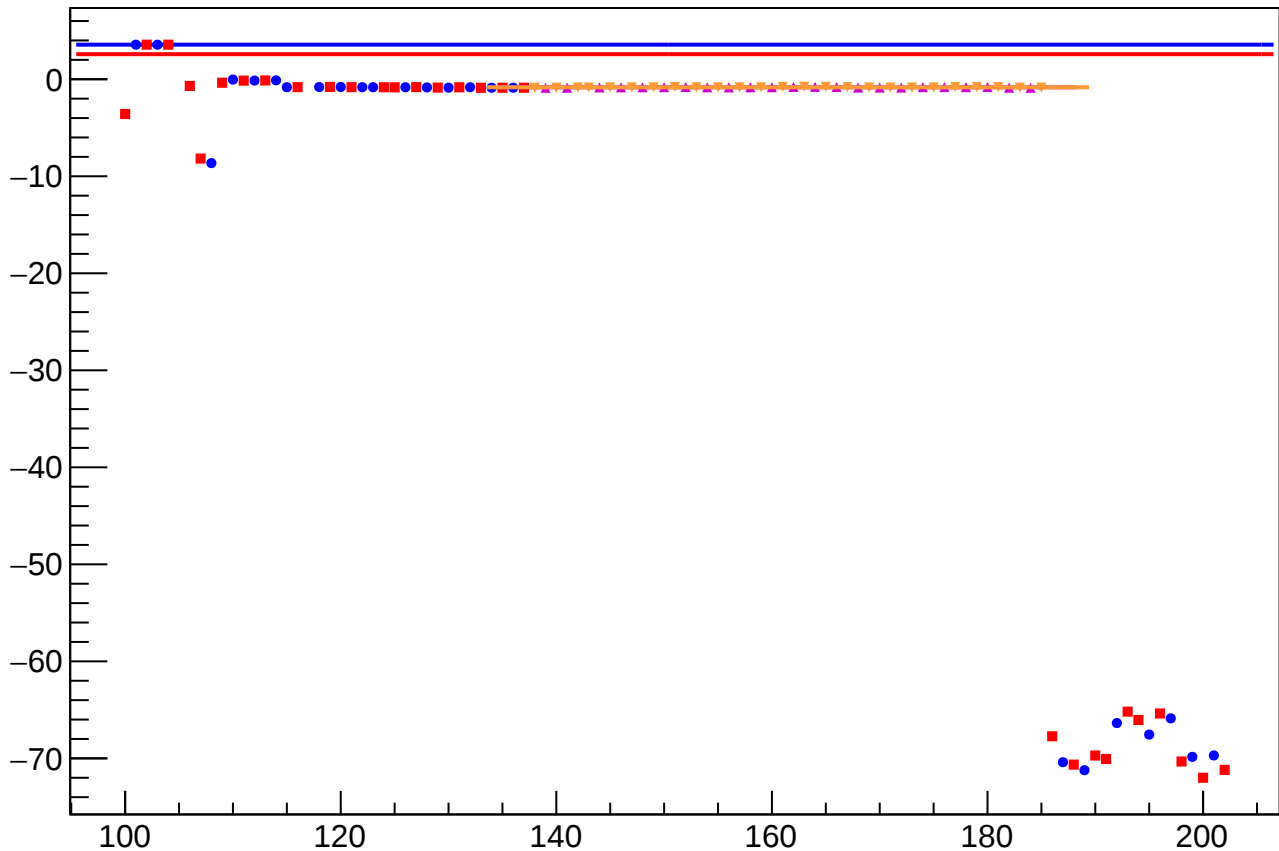
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 48085812.7/48

All: 0.000+/-0.000 χ^2/NDF : 97833503.5/100

- sign 0.000+/-0.000 χ^2/NDF : 49747007.5/51

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2 /NDF: 501577090808.0/23

Left Out: -0.828 $\pm$ 0.000 χ^2 /NDF: 168178464.8/24

Right Out: 2.583 $\pm$ 0.000 χ^2 /NDF: 1253527094490735.0/28

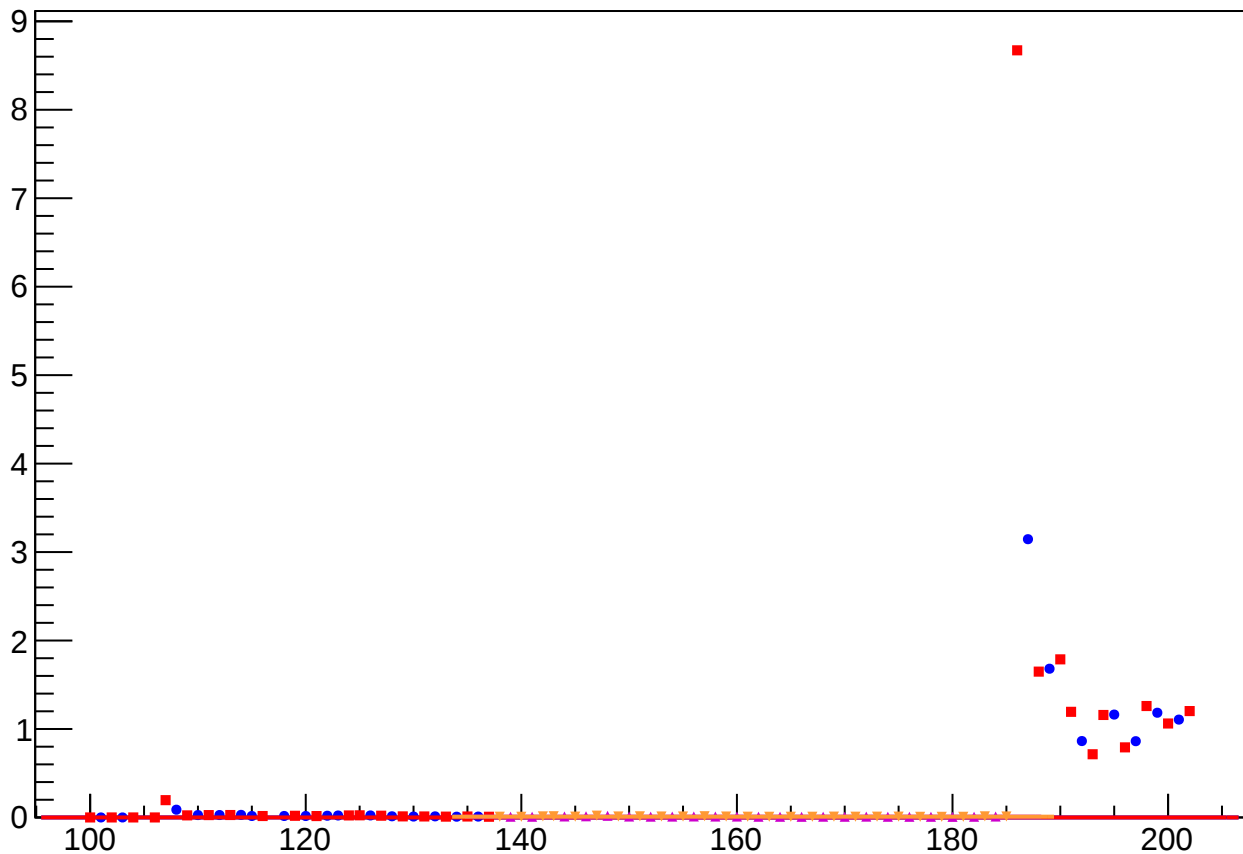
Left In: -0.827 $\pm$ 0.000 χ^2 /NDF: 172640246.1/22

+ sign 3.560 $\pm$ 0.000 χ^2 /NDF: 4183732955412.4/48

All: 3.038 $\pm$ 0.000 χ^2 /NDF: 13879863830439

- sign 2.581 $\pm$ 0.000 χ^2 /NDF: 1255727146531625.8

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 17238194.2/23

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 20436120.7/28

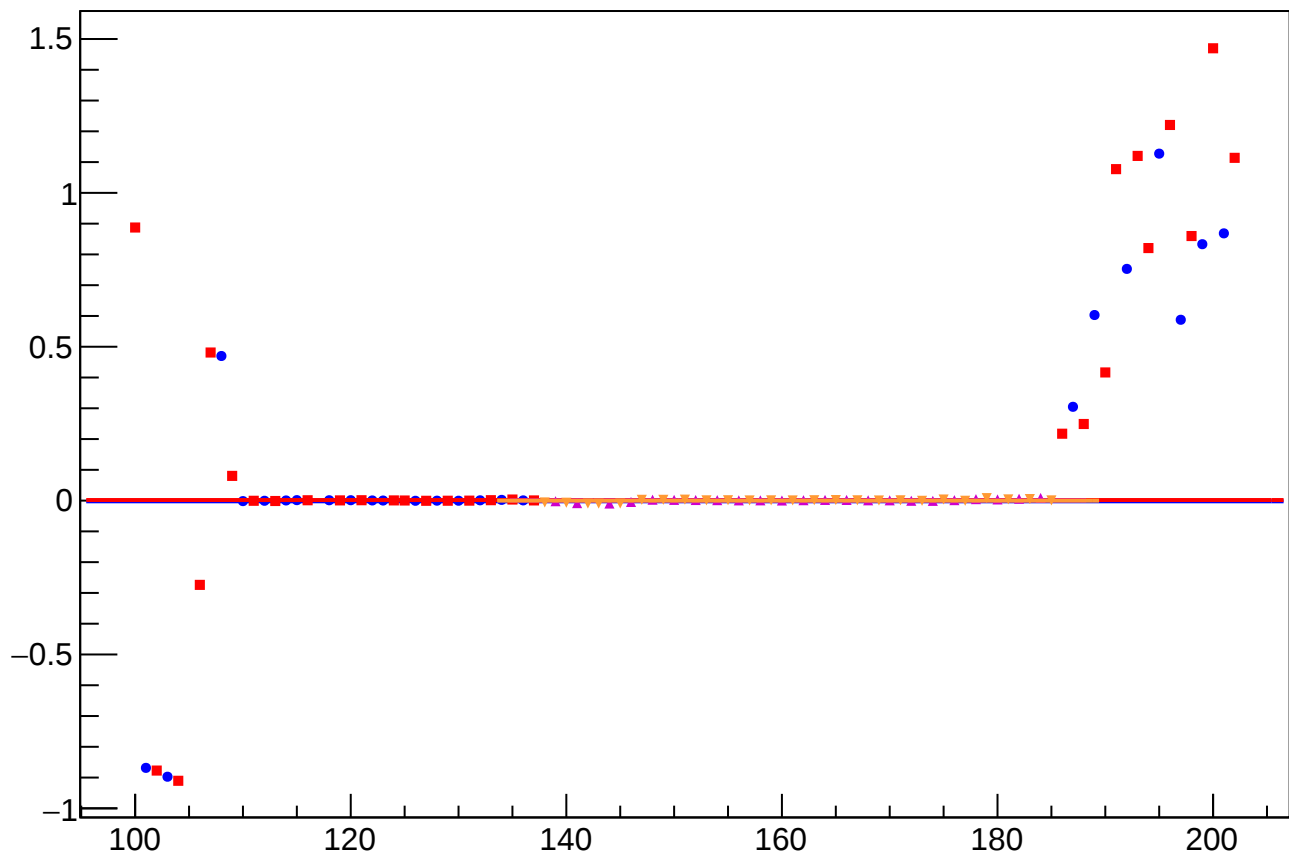
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 48646992.1/48

All: 0.000+/-0.000 χ^2/NDF : 98629740.8/100

- sign 0.000+/-0.000 χ^2/NDF : 49981627.3/51

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9796471898.9/23

Left Out: -0.000+/-0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3043214276.9/28

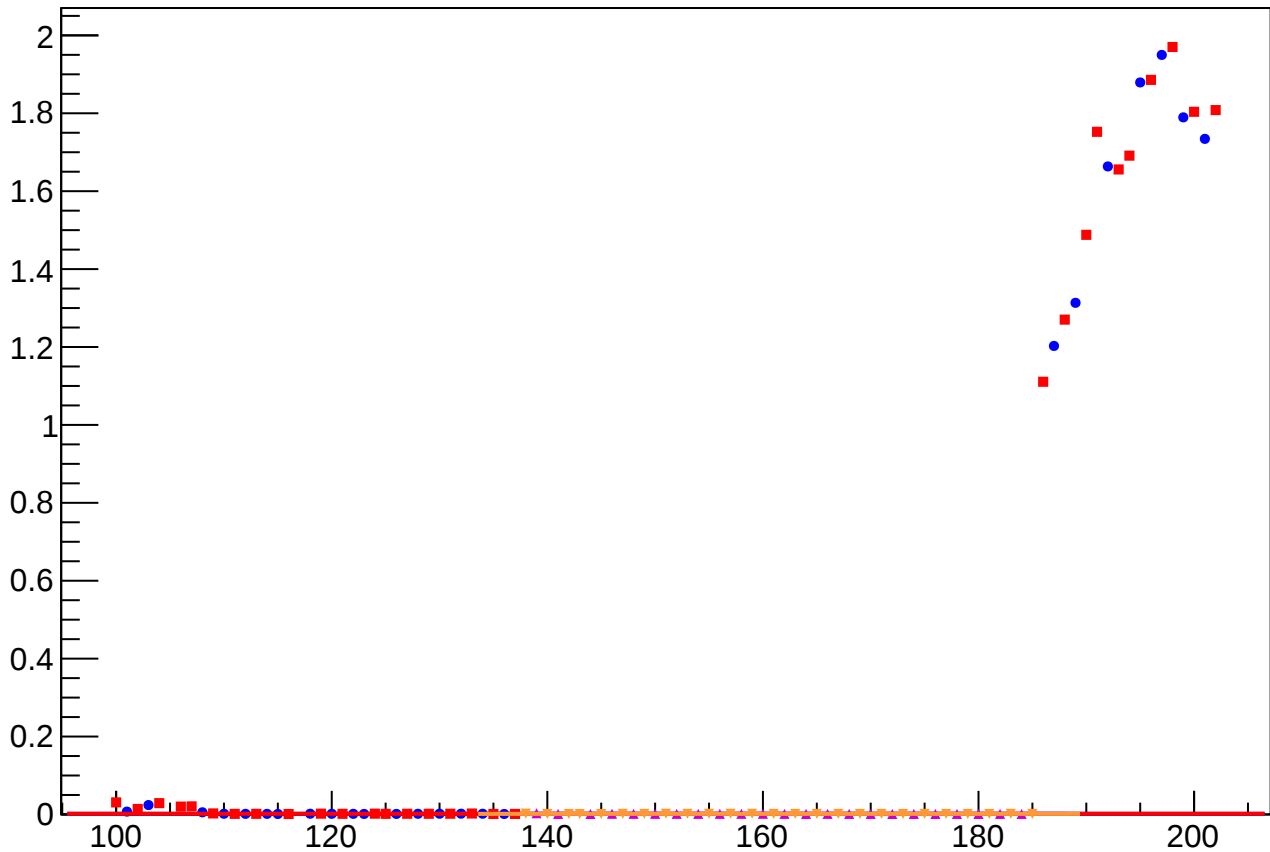
Left In: 0.001+/-0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001+/-0.000 χ^2/NDF : 9954489371.0/48

All: 0.000+/-0.000 χ^2/NDF : 13108692139.4/1

- sign 0.001+/-0.000 χ^2/NDF : 3146621171.0/51

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 11086861.1/23

Left Out: 0.001+/-0.000 χ^2/NDF : 539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 15427096.3/28

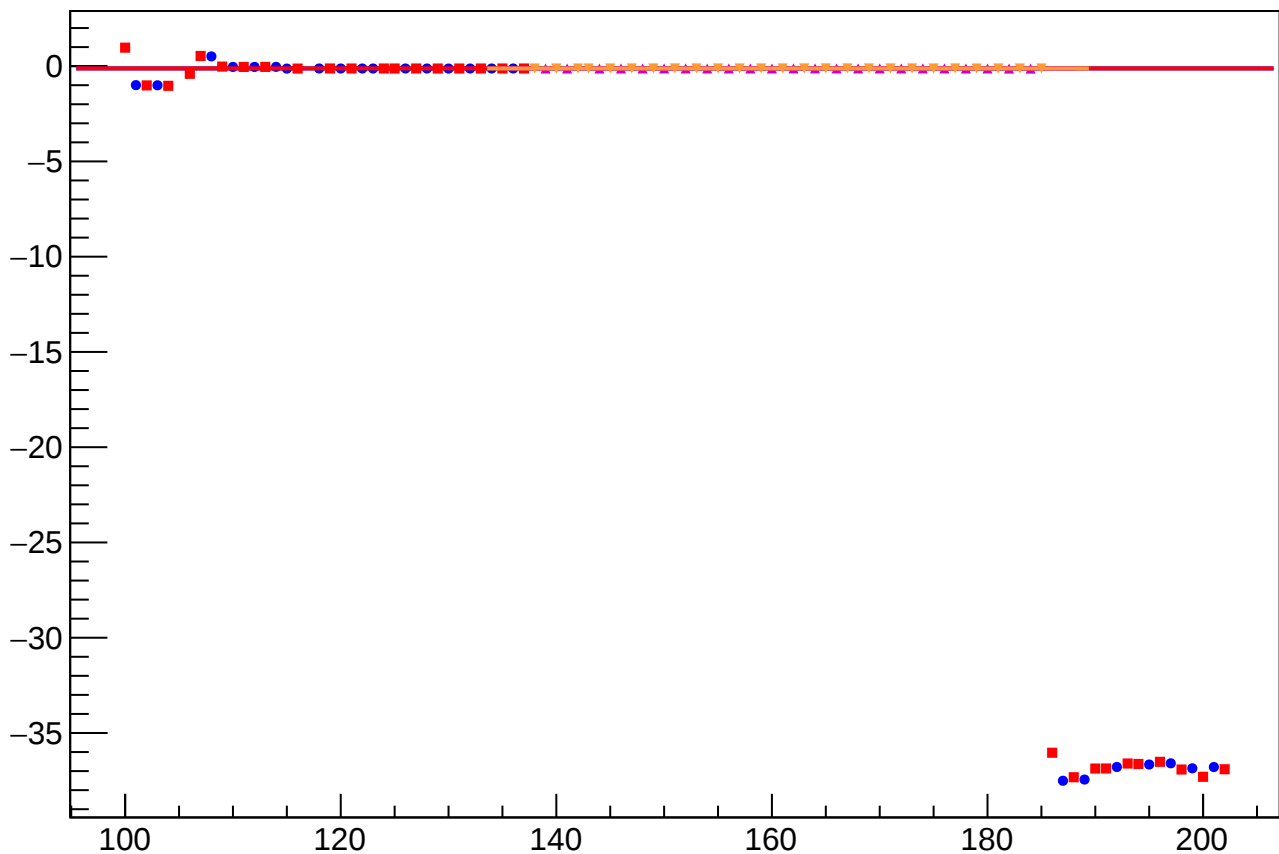
Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 11698256.8/48

All: 0.002+/-0.000 χ^2/NDF : 27870137.0/100

- 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 : 41967977047.6/23

Left Out: -0.121+/-0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.116+/-0.000 χ^2/NDF : 53046544881.8/28

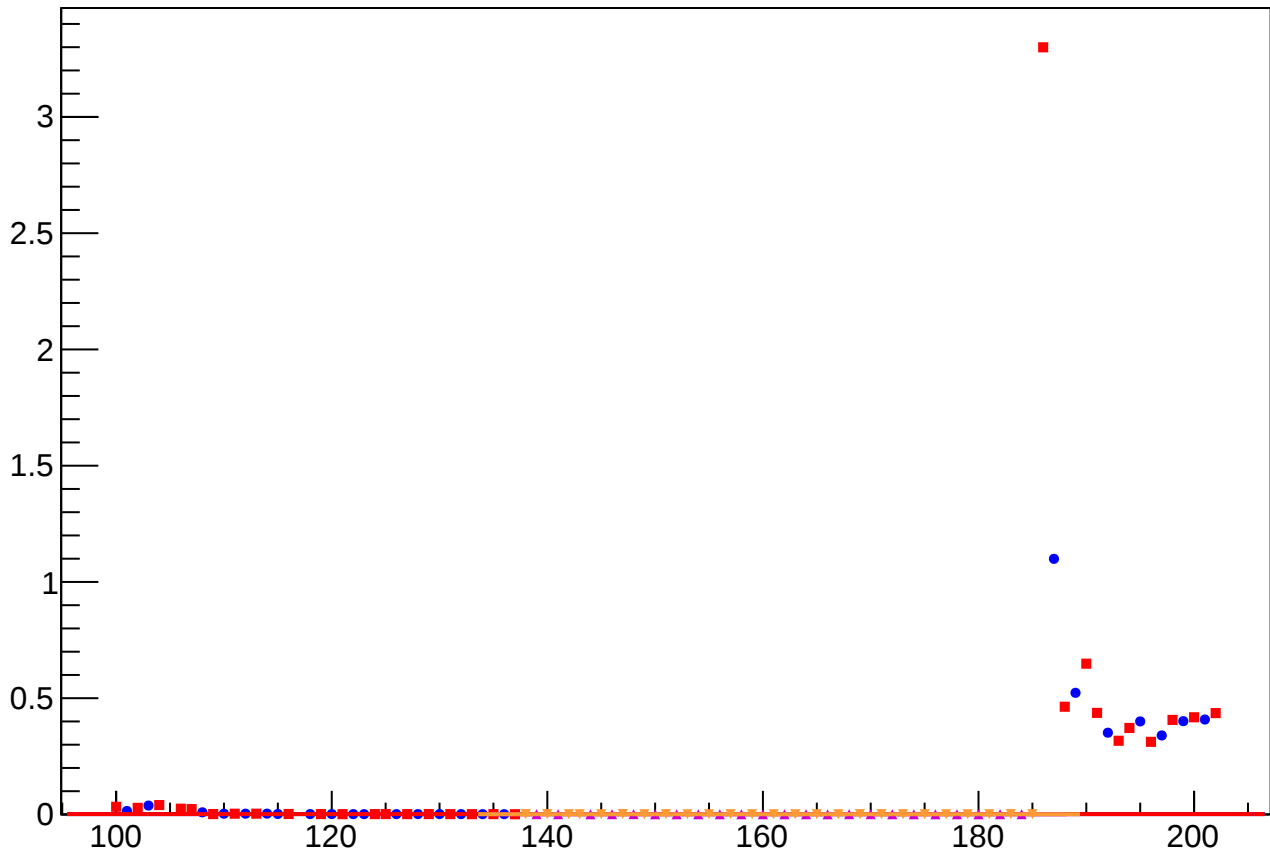
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 42026164383.6/48

All: -0.121+/-0.000 χ^2/NDF : 95167619963.8/100

- 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 : 11579438.0/23

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 15429525.8/28

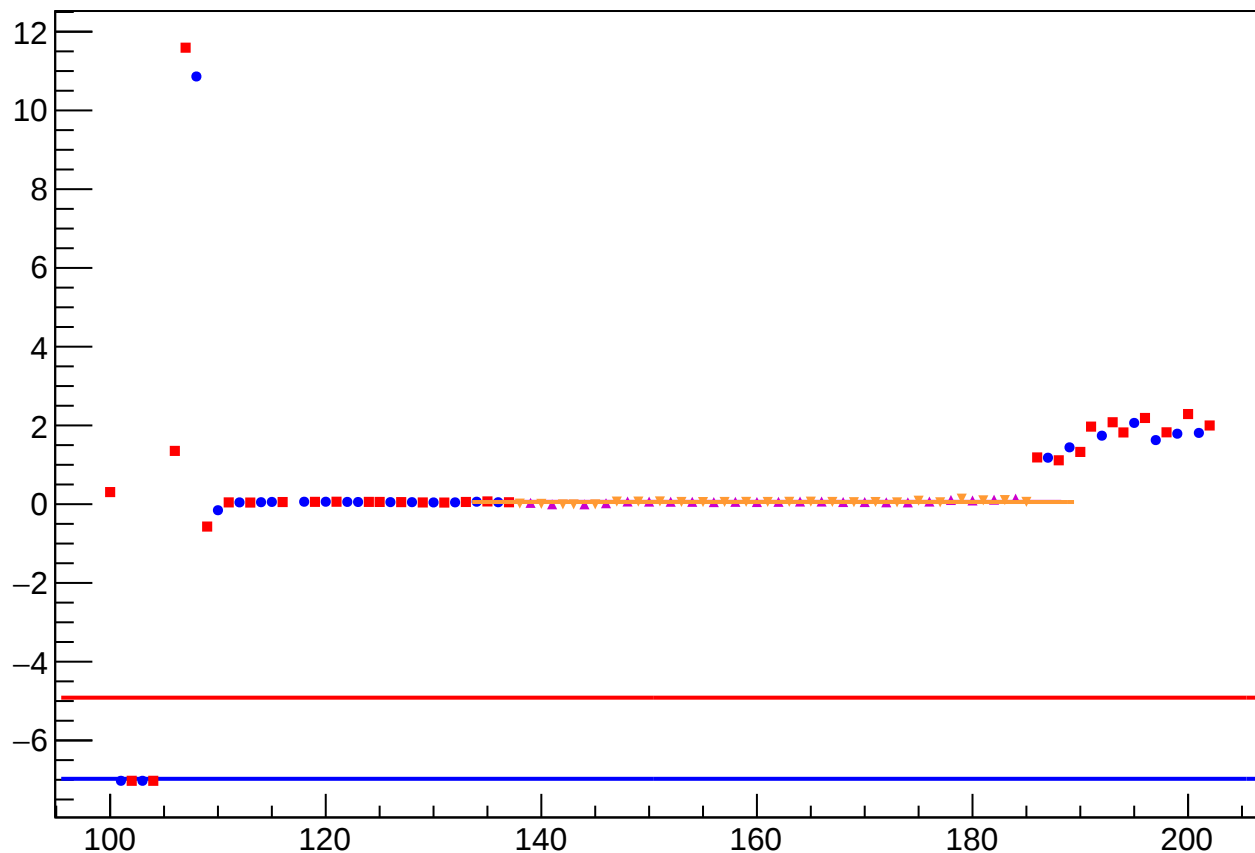
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 14145157.1/48

All: 0.001+/-0.000 χ^2/NDF : 31681812.3/100

- sign 0.001+/-0.000 χ^2/NDF : 17534777.3/51

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8797512366090.2/23$

Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243682351.4/24$

Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365352790672801.2/28$

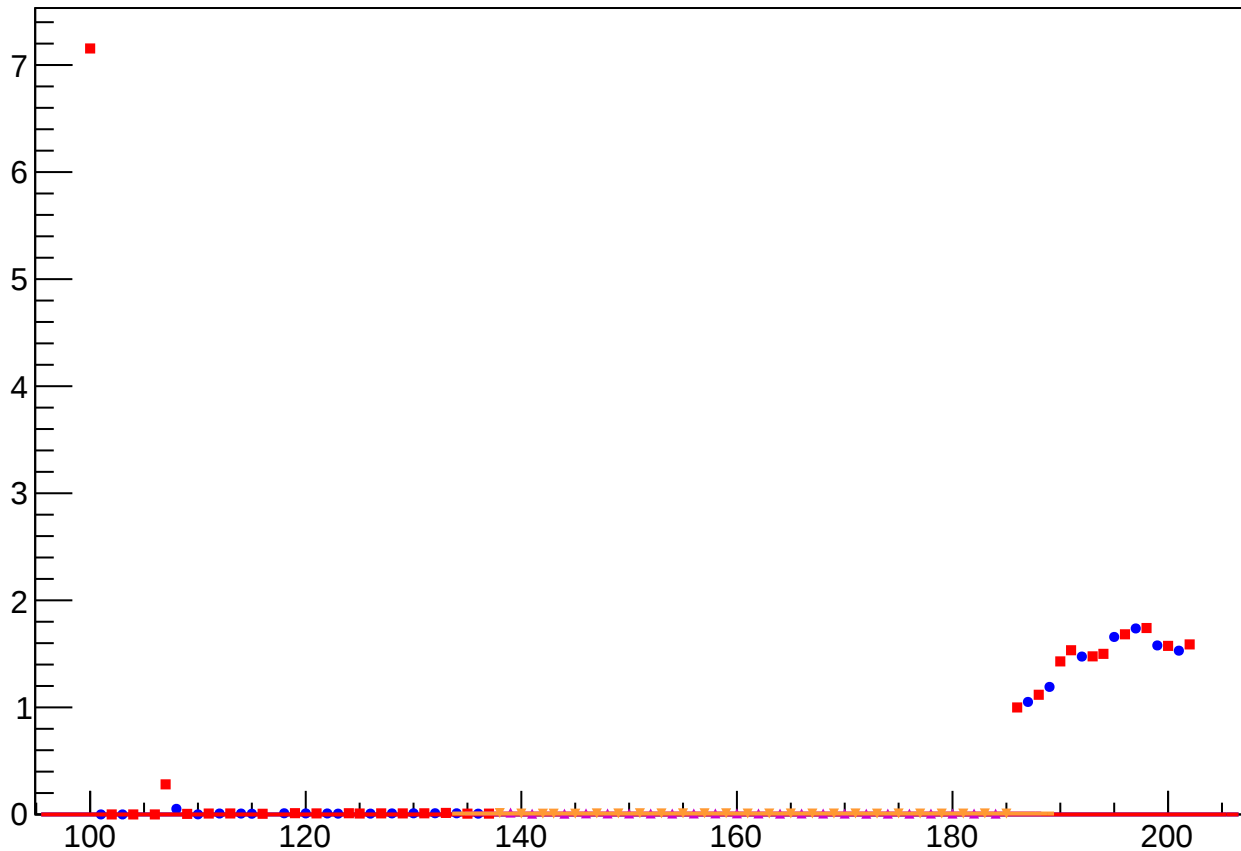
Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178541521.9/22$

+ sign -6.921 ± 0.000 $\chi^2/\text{NDF}: 18423825779877.7/23$

All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435288534561.2/23$

- sign -4.882 ± 0.000 $\chi^2/\text{NDF}: 369731810800401.1/23$

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 17533870.5/23

Left Out: 0.009+/-0.000 χ^2/NDF :514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21208602.7/28

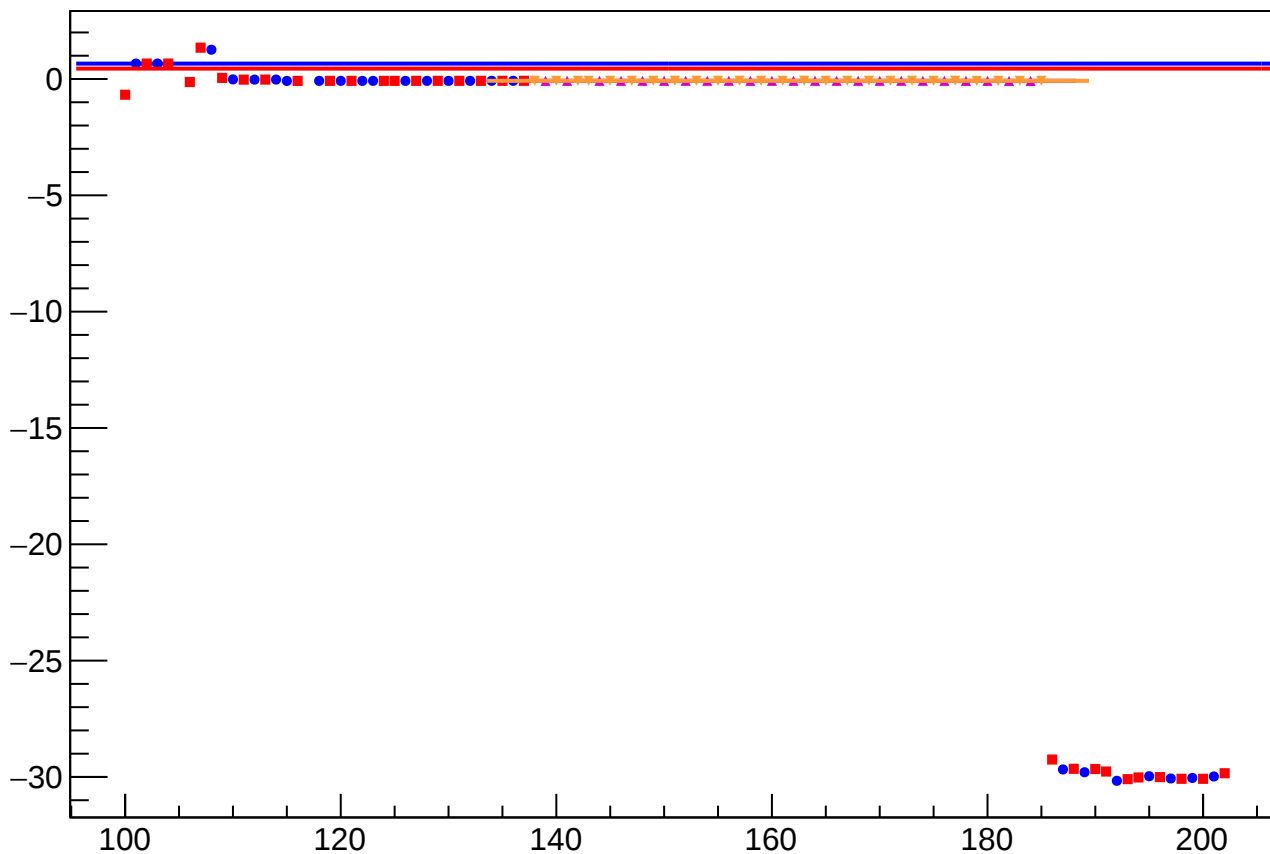
Left In: 0.009+/-0.000 χ^2/NDF :602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 46436027.9/48

All: 0.000+/-0.000 χ^2/NDF : 95105442.0/100

- sign 0.000+/-0.000 χ^2/NDF : 48664616.9/51

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5698245605102.1/23

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156404795.7/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405477150424129.6/28

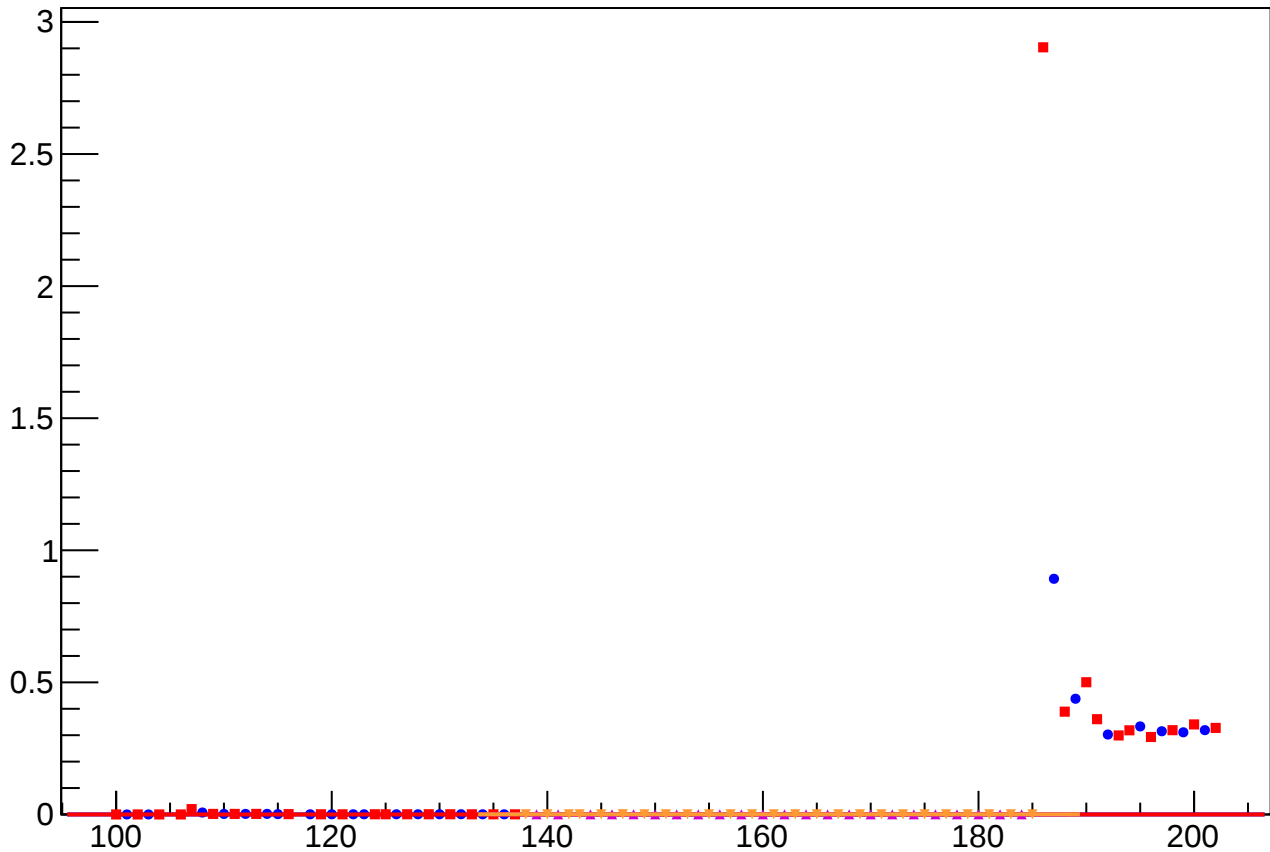
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 110762924.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35797033074426.1/4

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51593313656320

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419599179020790.4/4

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18985736.7/23

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21712970.7/28

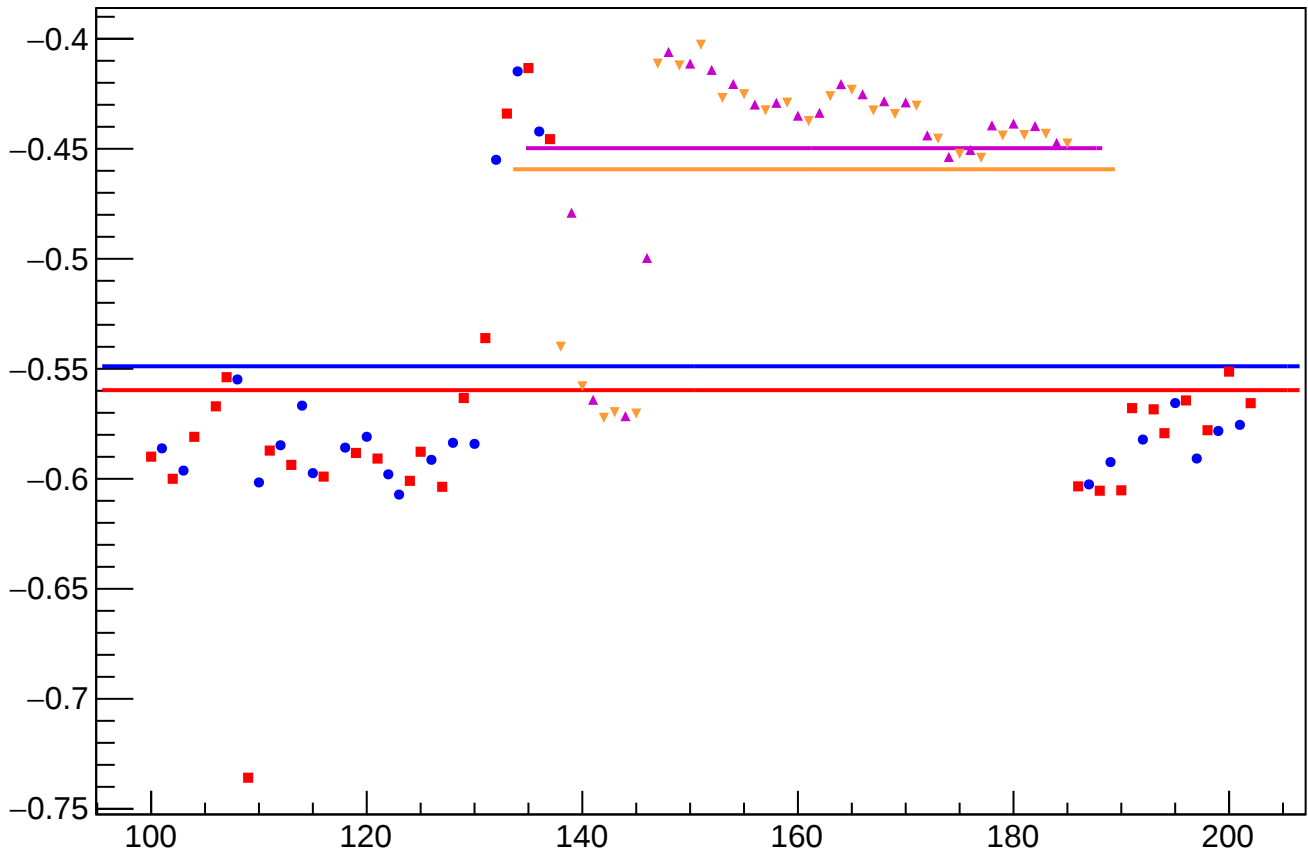
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 51539301.9/48

All: 0.000+/-0.000 χ^2/NDF : 104052899.0/100

- sign 0.000+/-0.000 χ^2/NDF : 52505775.9/51

yield_bpm4aX_mean vs Slug



Right In: -0.549 $\pm$ 0.000 χ^2 /NDF: 47654559.2/23

Left Out: -0.459 $\pm$ 0.000 χ^2 /NDF: 113602161.0/24

Right Out: -0.560 $\pm$ 0.000 χ^2 /NDF: 65656900.9/28

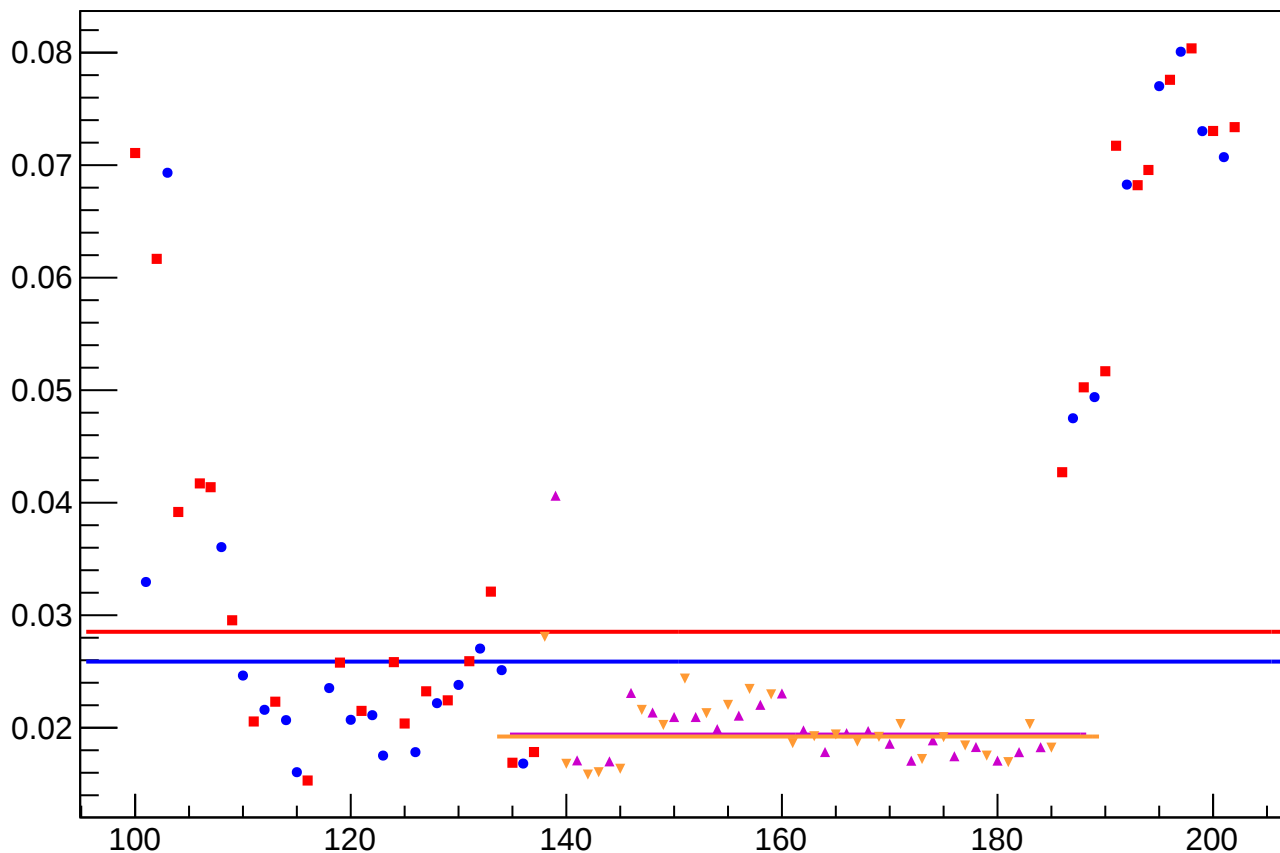
Left In: -0.450 $\pm$ 0.000 χ^2 /NDF: 76117957.8/22

+ sign -0.479 $\pm$ 0.000 χ^2 /NDF: 233057633.6/48

All: -0.477 $\pm$ 0.000 χ^2 /NDF: 480322028.2/10

- sign -0.475 $\pm$ 0.000 χ^2 /NDF: 246906678.1/51

yield_bpm4aX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 4887818.9/23

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

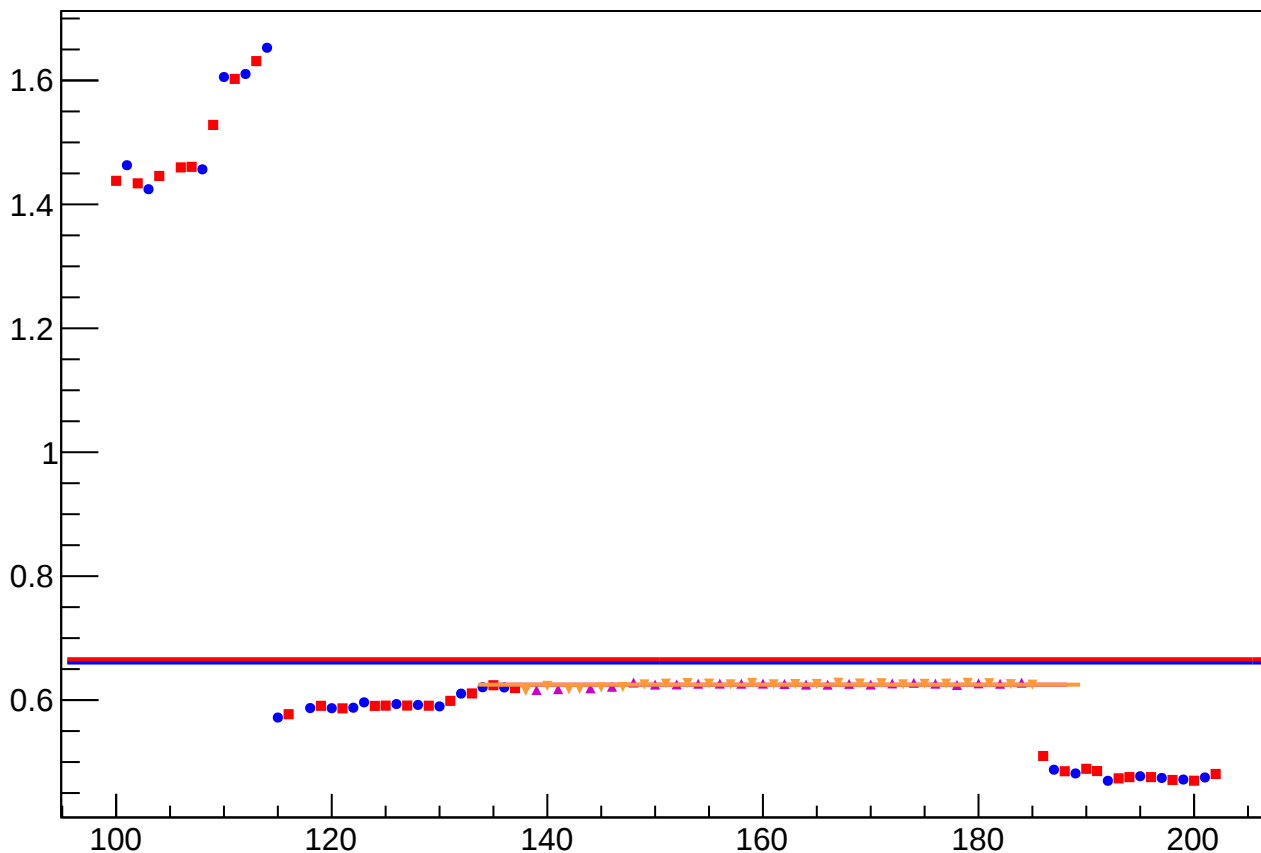
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:626443.5/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 6184096.2/48

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 14021721.2/100

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 7803170.3/51

yield_bpm4aY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 4726869071.8/23

Left Out: 0.625+/-0.000 χ^2/NDF :1445169.1/24

Right Out: 0.666+/-0.000 χ^2/NDF : 5830911464.5/28

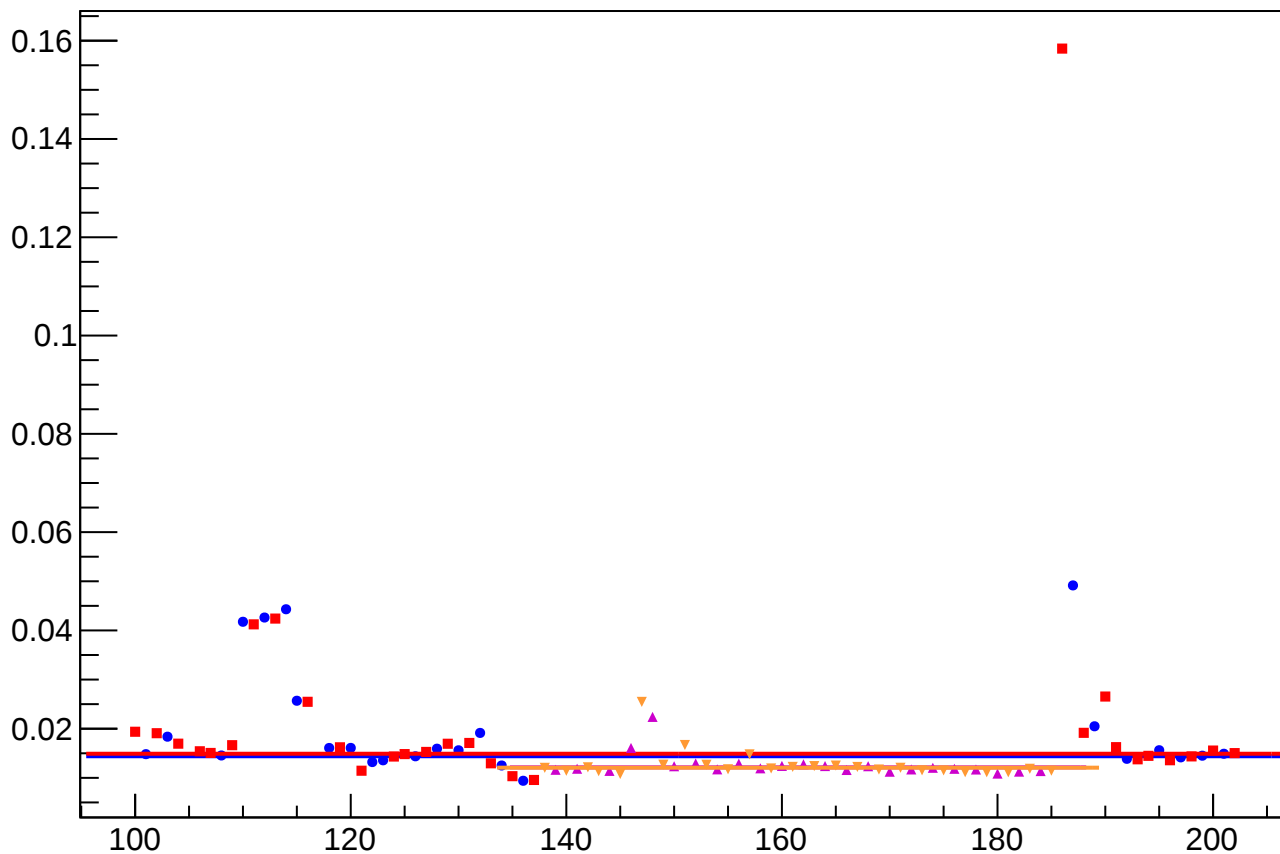
Left In: 0.625+/-0.000 χ^2/NDF :1143954.1/22

+ sign 0.635+/-0.000 χ^2/NDF : 4772294430.1/48

All: 0.636+/-0.000 χ^2/NDF : 10665697187.6/100

- sign 0.638+/-0.000 χ^2/NDF : 5892764704.9/51

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1636806.7/23

Left Out: 0.012+/-0.000 χ^2/NDF : 657199.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2077550.1/28

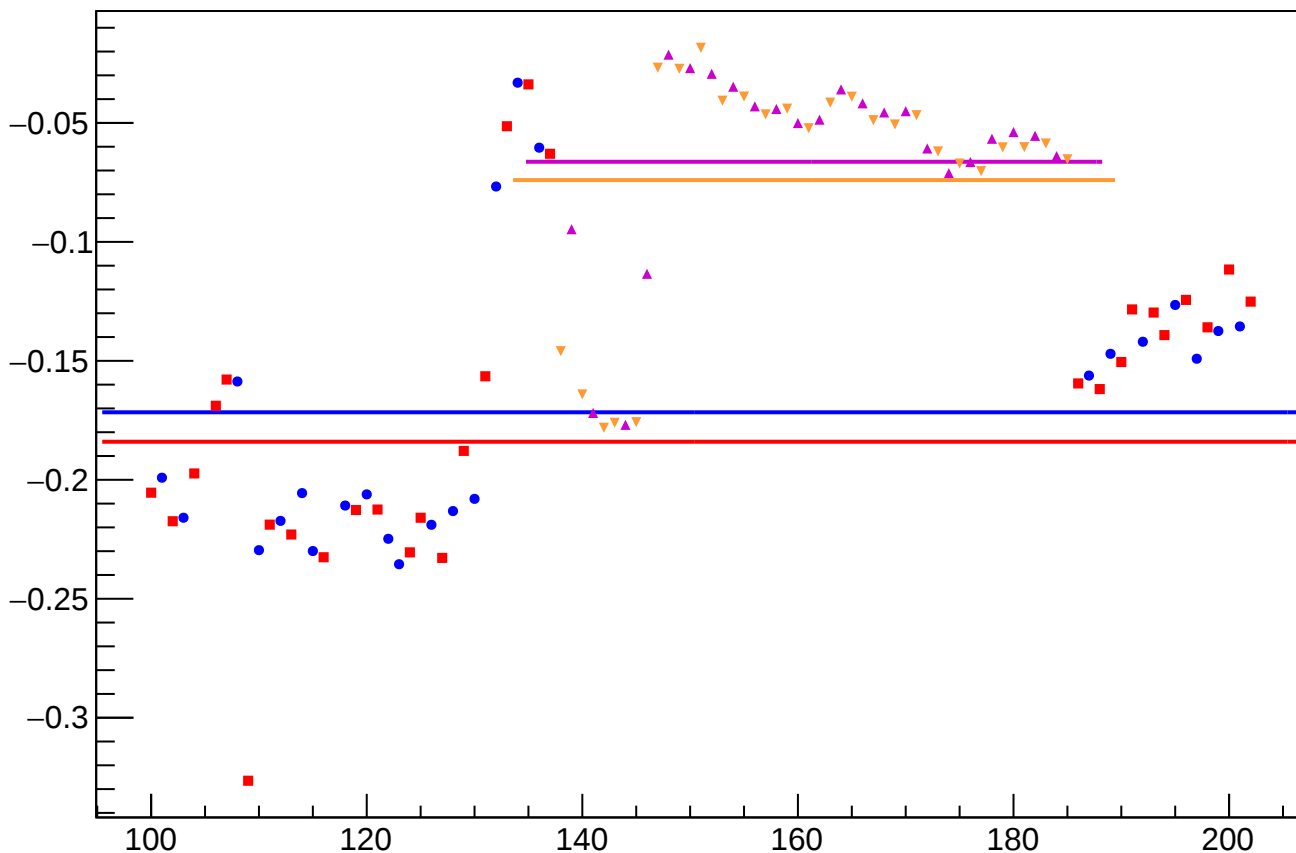
Left In: 0.012+/-0.000 χ^2/NDF : 488363.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 2668660.4/48

All: 0.013+/-0.000 χ^2/NDF : 5798389.5/100

- sign 0.013+/-0.000 χ^2/NDF : 3116757.5/51

yield_bpm4eX_mean vs Slug



Right In: -0.172 ± 0.000 χ^2/NDF : 67903667.3/23

Left Out: -0.074 ± 0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.184 ± 0.000 χ^2/NDF : 85678600.3/28

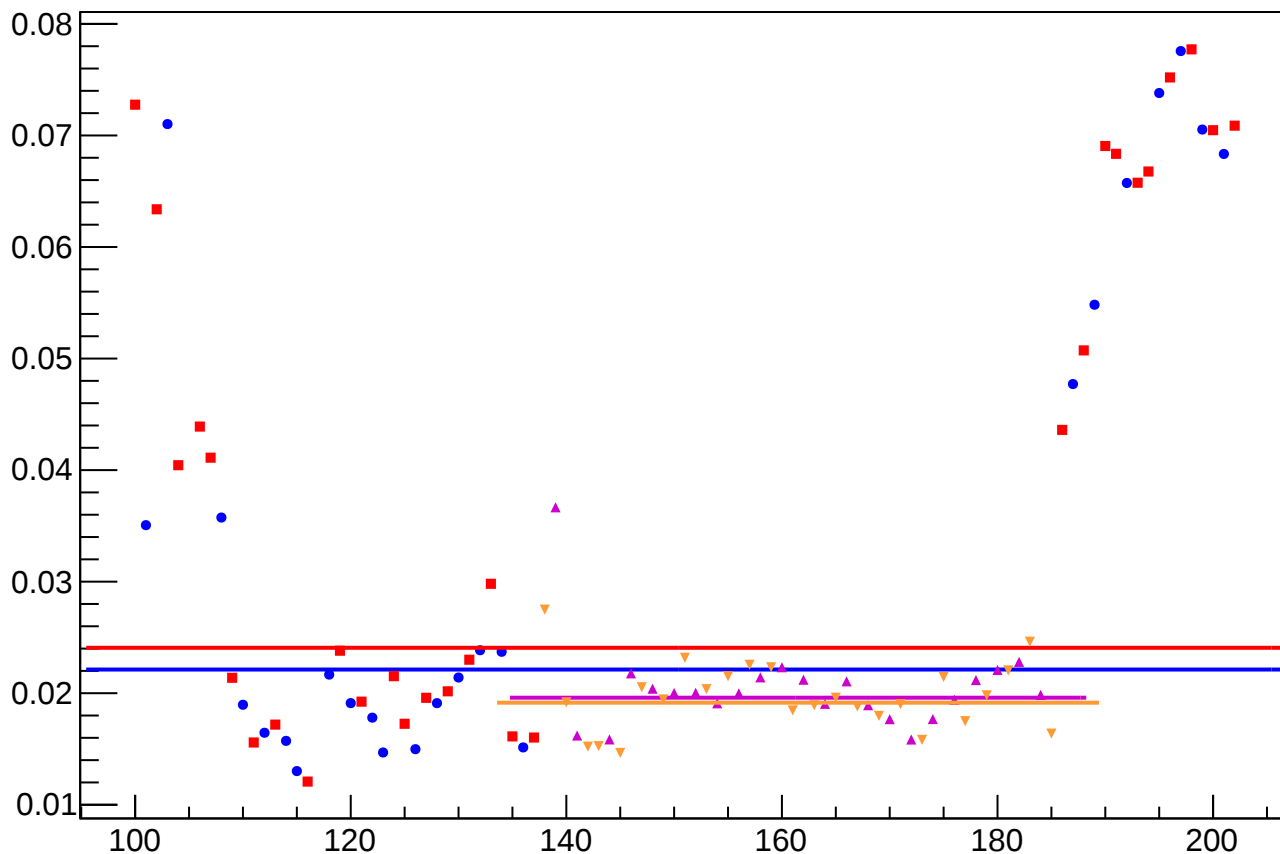
Left In: -0.066 ± 0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100 ± 0.000 χ^2/NDF : 280402305.6/48

All: -0.100 ± 0.000 χ^2/NDF : 589761897.6/10

- sign -0.100 ± 0.000 χ^2/NDF : 309359448.5/51

yield_bpm4eX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 5686805.4/23

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

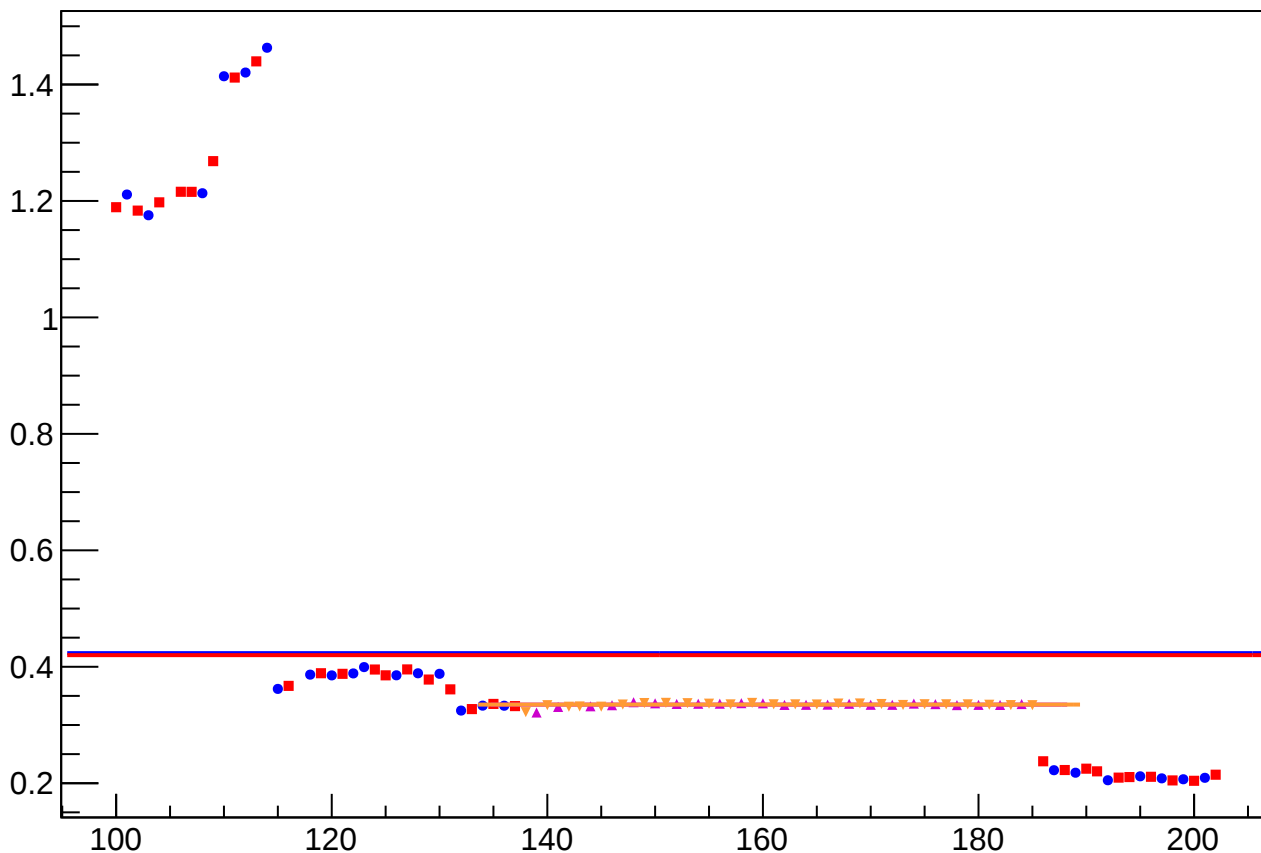
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 623148.2/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 6522565.4/48

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 14573469.9/100

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8003654.9/51

yield_bpm4eY_mean vs Slug



Right In: 0.423+/-0.000 χ^2/NDF : 6956749488.4/23

Left Out: 0.335+/-0.000 χ^2/NDF :1154310.3/24

Right Out: 0.420+/-0.000 χ^2/NDF : 8222363921.7/28

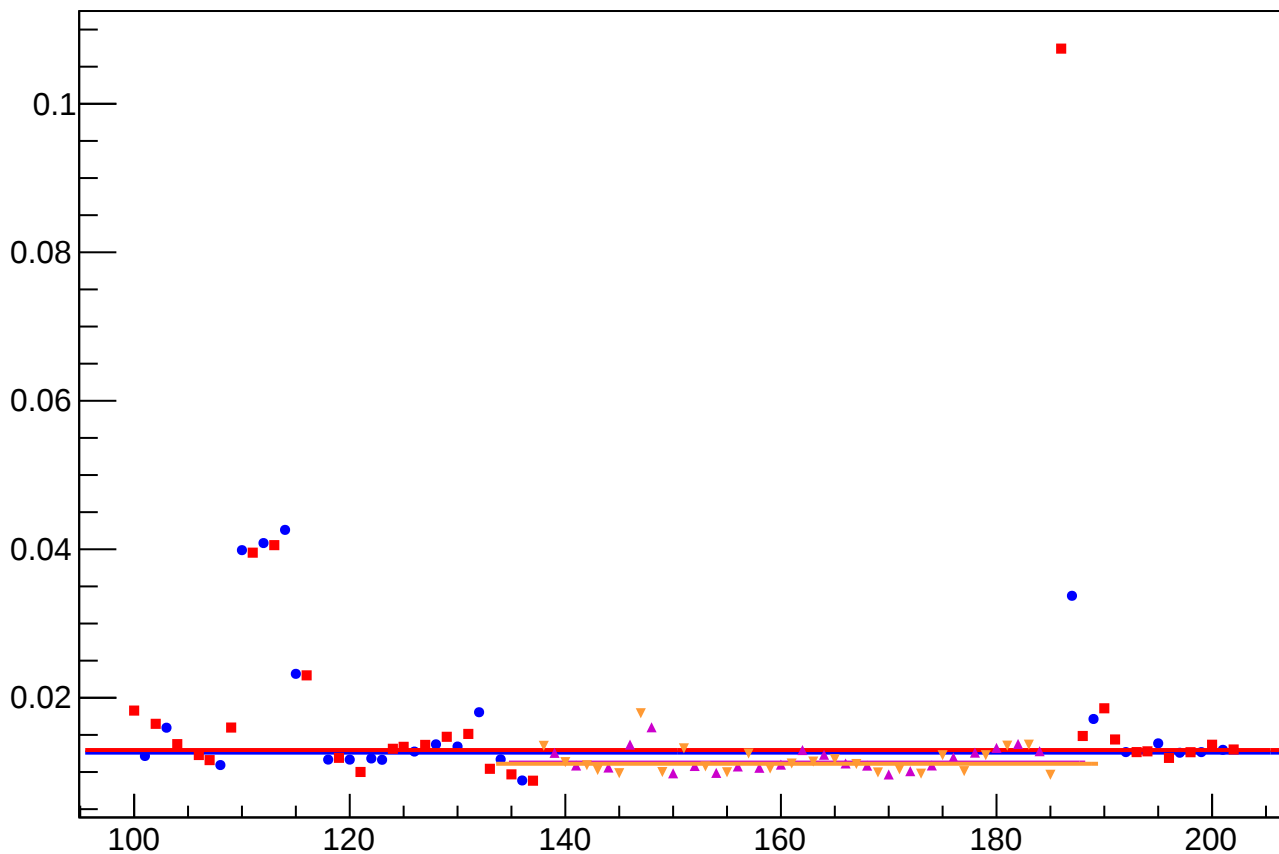
Left In: 0.335+/-0.000 χ^2/NDF :1202194.8/22

+ sign 0.362+/-0.000 χ^2/NDF : 7299012452.0/48

All: 0.364+/-0.000 χ^2/NDF : 15849633568.5/100

- sign 0.365+/-0.000 χ^2/NDF : 8550121321.3/51

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1508600.6/23

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:607532.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1937338.0/28

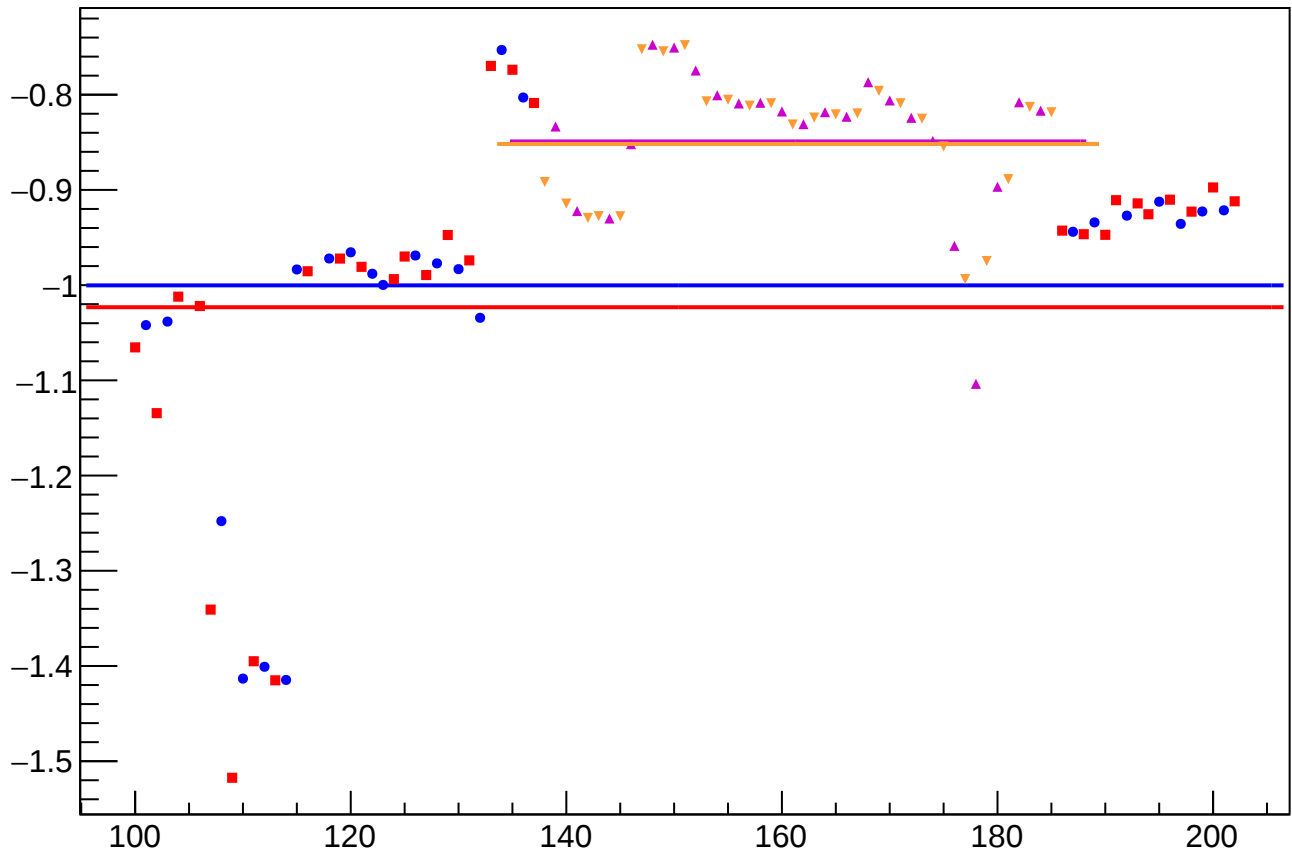
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502455.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2312775.0/48

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5027132.8/100

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2697912.4/51

yield_bpm4acX_mean vs Slug



Right In: -1.000 ± 0.000 χ^2/NDF : 399841432.0/23

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.023 ± 0.000 χ^2/NDF : 553151659.3/28

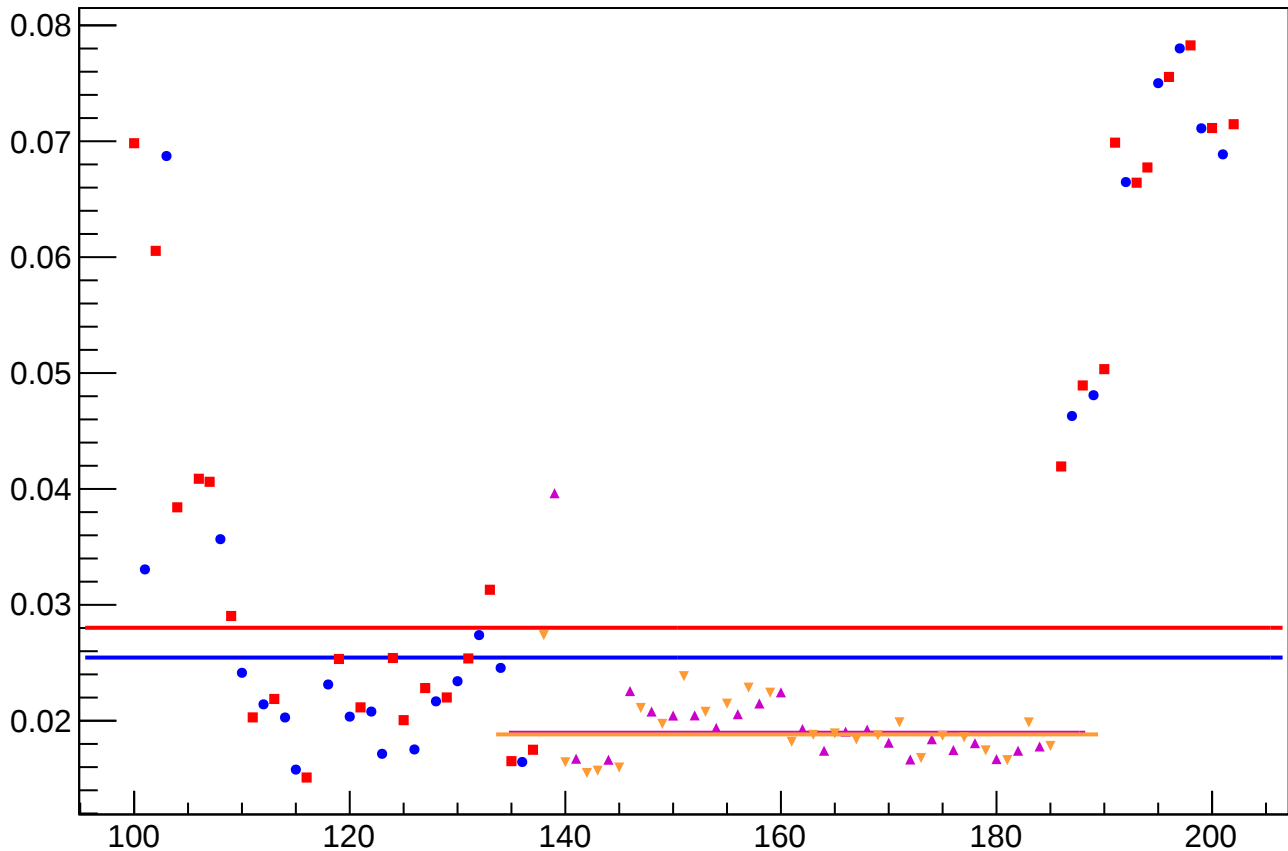
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.885 ± 0.000 χ^2/NDF : 793689309.3/48

All: -0.887 ± 0.000 χ^2/NDF : 1877801618.4/1

- sign -0.890 ± 0.000 χ^2/NDF : 1083474915.0/51

yield_bpm4acX_rms vs Slug



Right In: 0.025 ± 0.000 χ^2/NDF : 4873423.7/23

Left Out: 0.019 ± 0.000 χ^2/NDF : 490509.4/24

Right Out: 0.028 ± 0.000 χ^2/NDF : 5676213.5/28

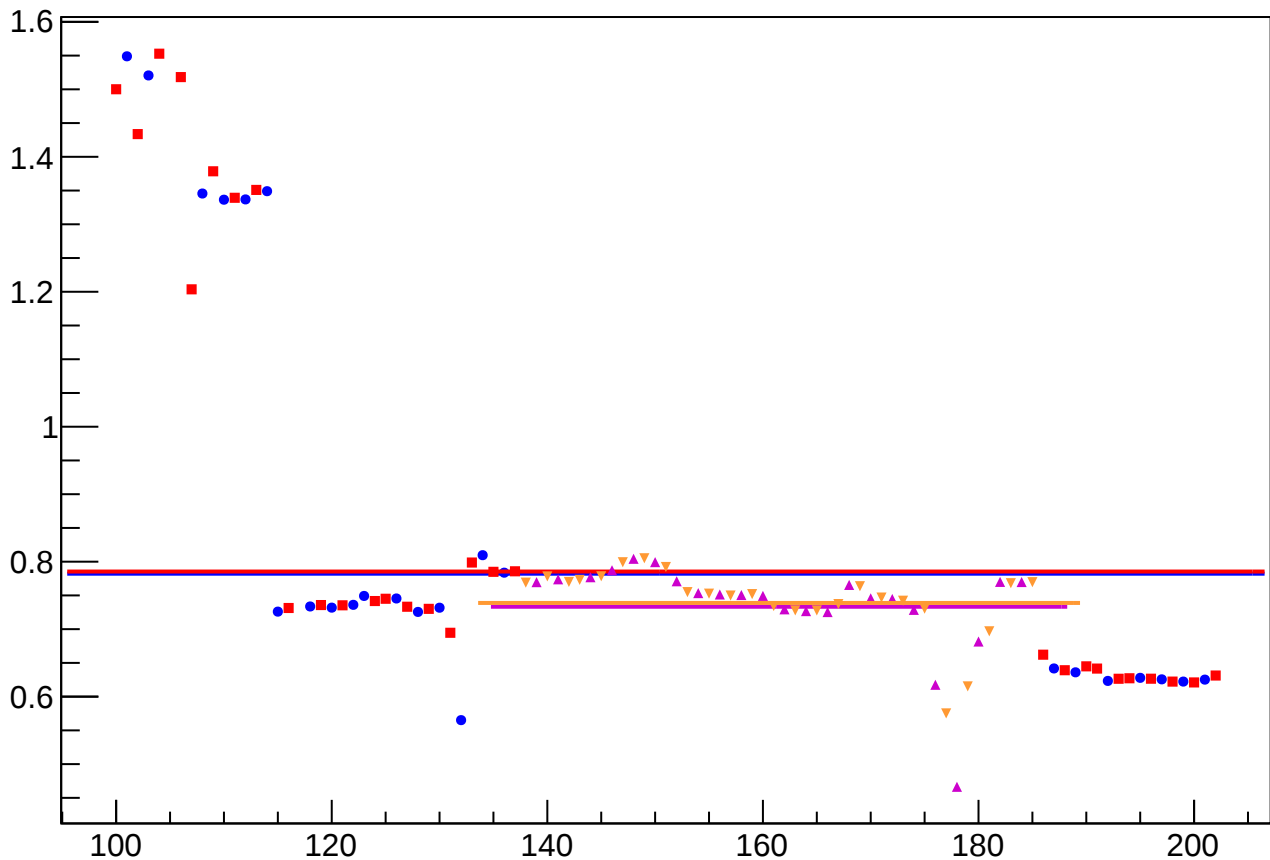
Left In: 0.019 ± 0.000 χ^2/NDF : 615173.8/22

+ sign 0.020 ± 0.000 χ^2/NDF : 6180202.5/48

All: 0.021 ± 0.000 χ^2/NDF : 13985769.0/100

- sign 0.021 ± 0.000 χ^2/NDF : 7773677.8/51

yield_bpm4acY_mean vs Slug



Right In: 0.782 ± 0.000 χ^2/NDF : 3233545959.3/23

Left Out: 0.739 ± 0.000 χ^2/NDF : 333013236.5/24

+ sign 0.751 ± 0.000 χ^2/NDF : 3630410077.3/48

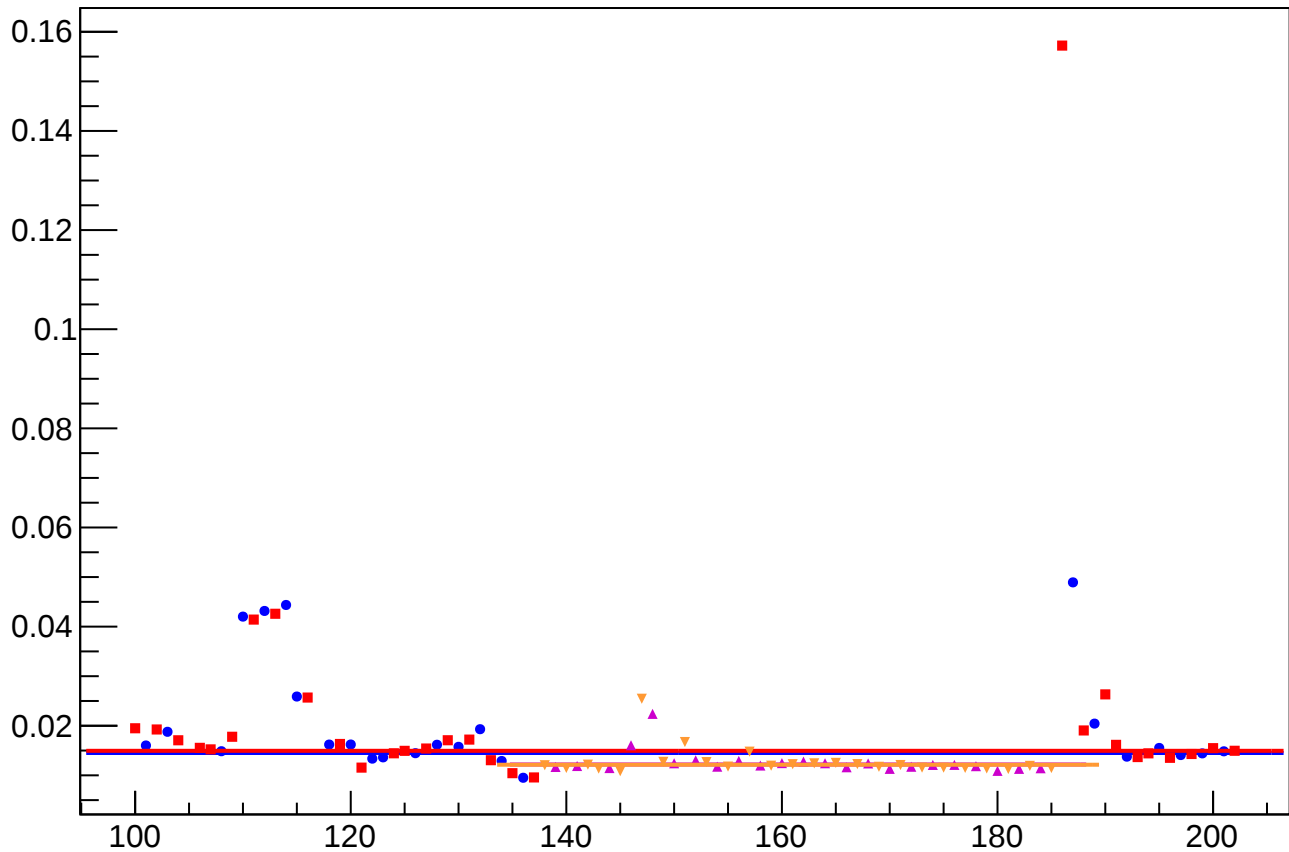
Right Out: 0.785 ± 0.000 χ^2/NDF : 3608460142.2/28

All: 0.750 ± 0.000 χ^2/NDF : 7905581118.0/10

- sign 0.750 ± 0.000 χ^2/NDF : 4275008344.4/51

Left In: 0.733 ± 0.000 χ^2/NDF : 569611347.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1636667.8/23

Left Out: 0.012+/-0.000 χ^2/NDF : 637986.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2080578.2/28

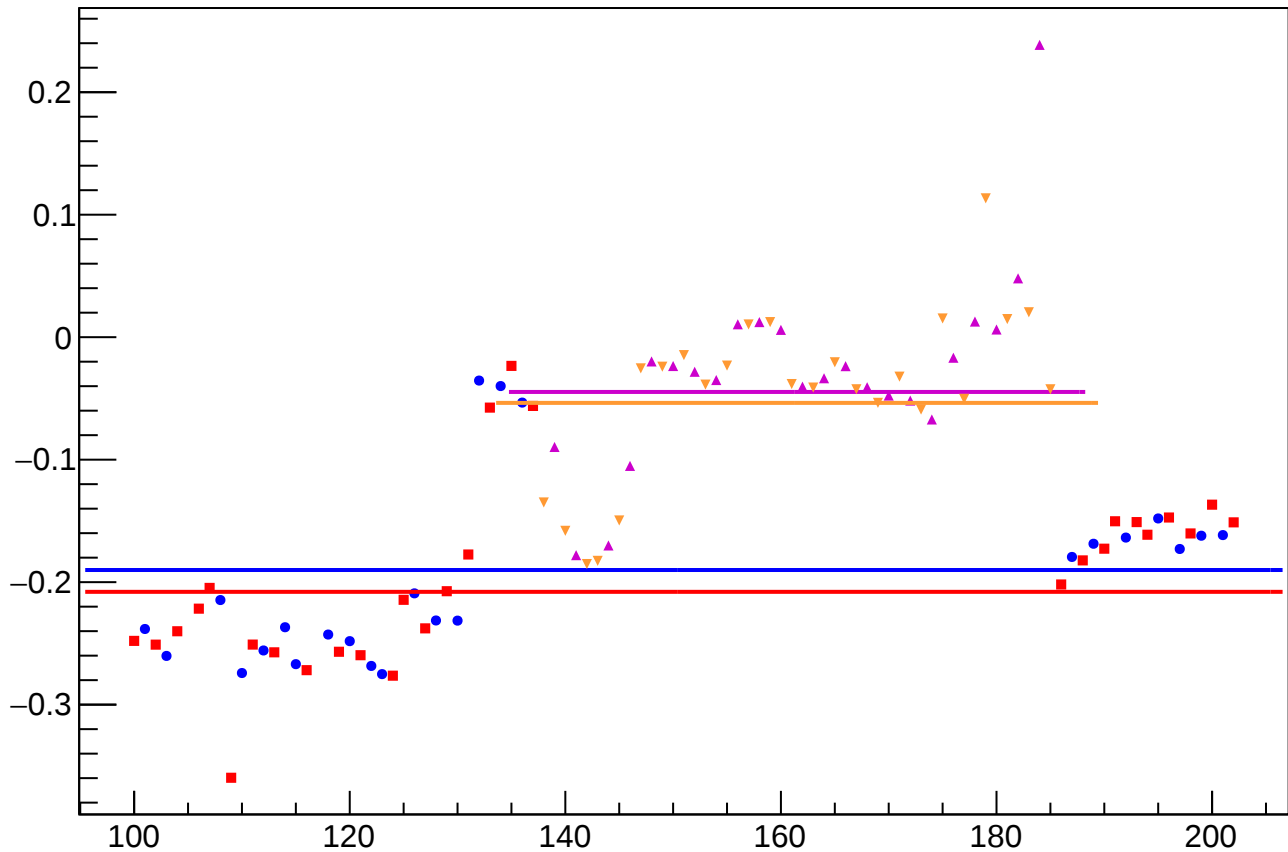
Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

+ sign 0.013+/-0.000 χ^2/NDF : 2656382.8/48

All: 0.013+/-0.000 χ^2/NDF : 5770572.6/100

- sign 0.013+/-0.000 χ^2/NDF : 3103642.3/51

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 $\chi^2/\text{NDF}: 107014886.4/23$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167834173.6/24$

Right Out: -0.208 ± 0.000 $\chi^2/\text{NDF}: 114145684.6/28$

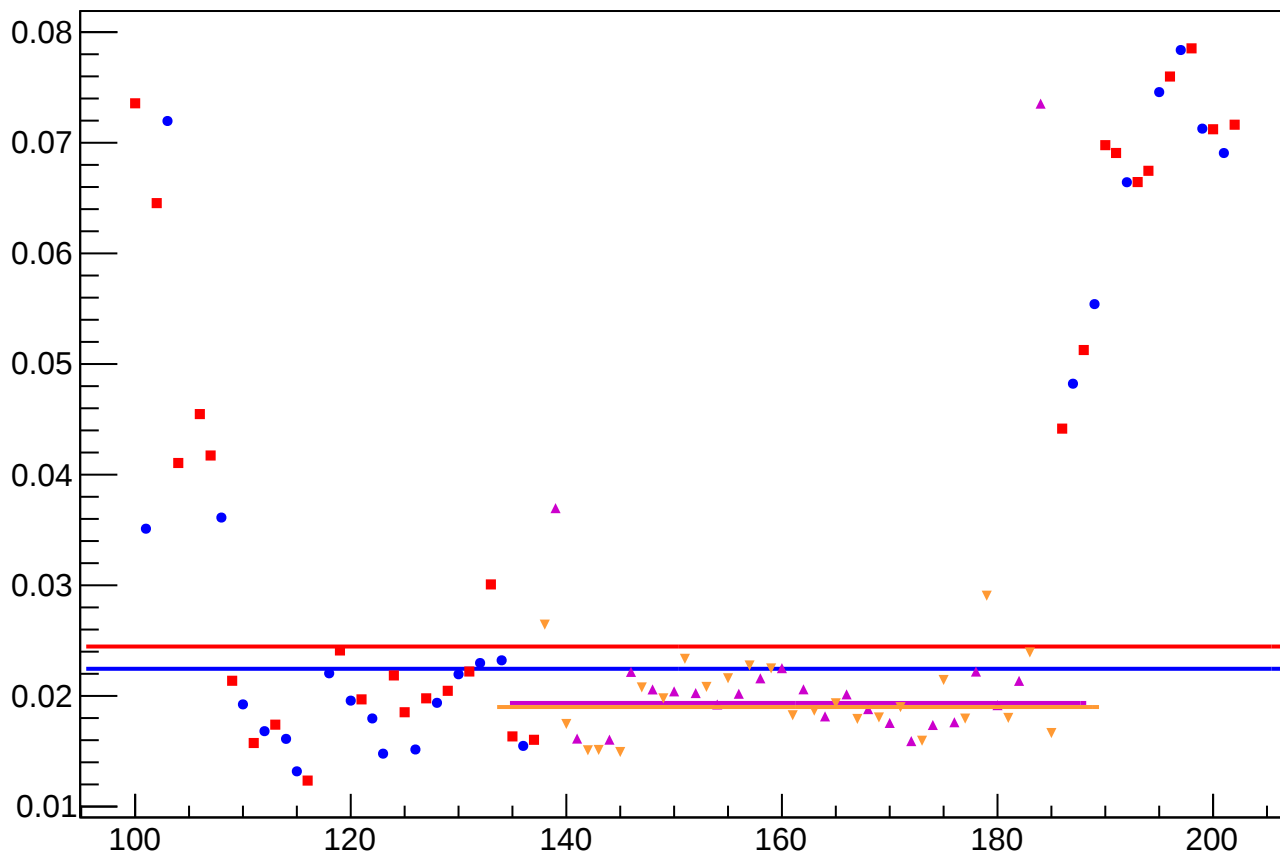
Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127192425.2/22$

+ sign -0.090 ± 0.000 $\chi^2/\text{NDF}: 474776111.4/48$

All: -0.090 ± 0.000 $\chi^2/\text{NDF}: 992894358.5/10$

- sign -0.091 ± 0.000 $\chi^2/\text{NDF}: 518101890.2/51$

yield_bpm4ecX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 5641510.1/23

Left Out: 0.019+/-0.000 χ^2/NDF : 700229.7/24

Right Out: 0.024+/-0.000 χ^2/NDF : 6915792.6/28

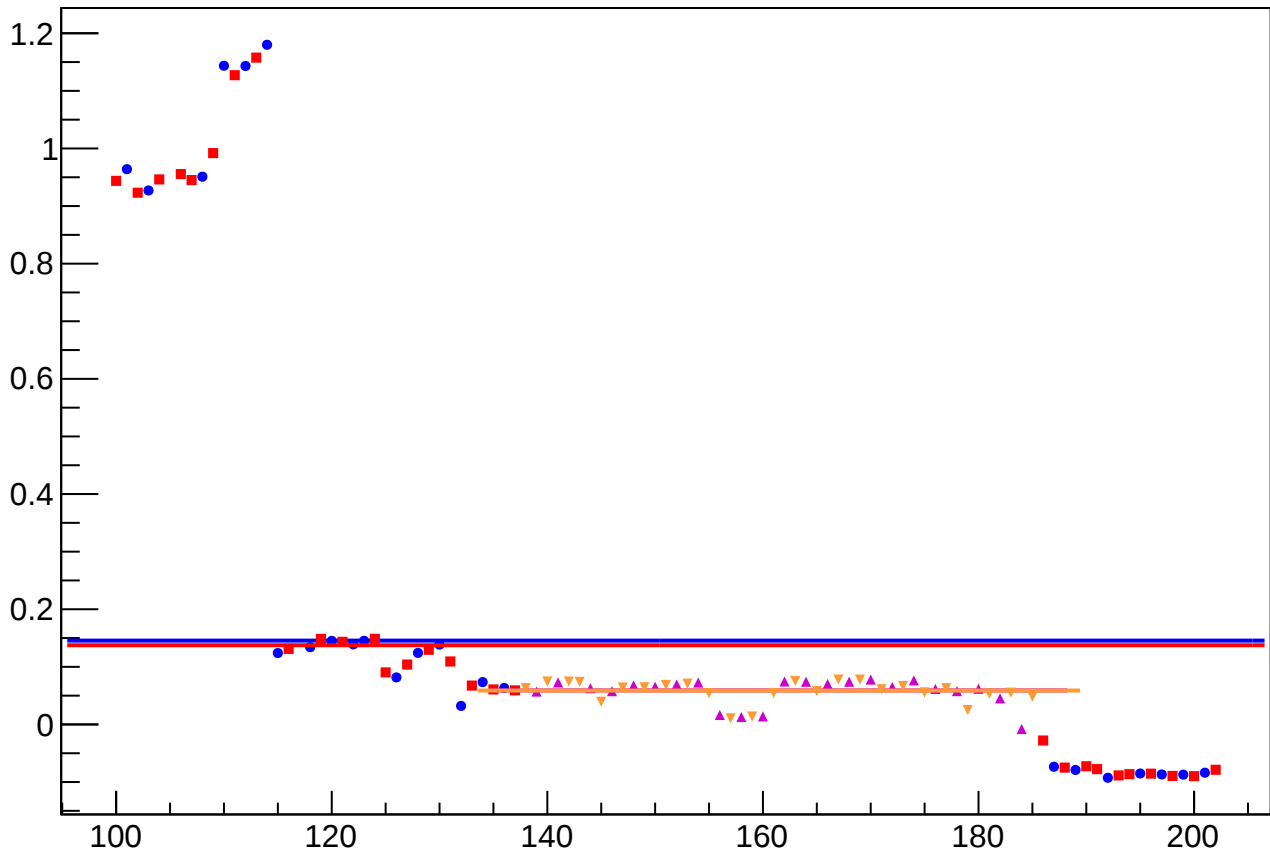
Left In: 0.019+/-0.000 χ^2/NDF : 858216.8/22

+ sign 0.020+/-0.000 χ^2/NDF : 6598408.1/48

All: 0.020+/-0.000 χ^2/NDF : 14955071.6/100

- sign 0.021+/-0.000 χ^2/NDF : 8314834.9/51

yield_bpm4ecY_mean vs Slug



Right In: 0.146 $\pm$ 0.000 χ^2 /NDF: 7471922745.3/23

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46821236.8/24

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 7853077399.6/48

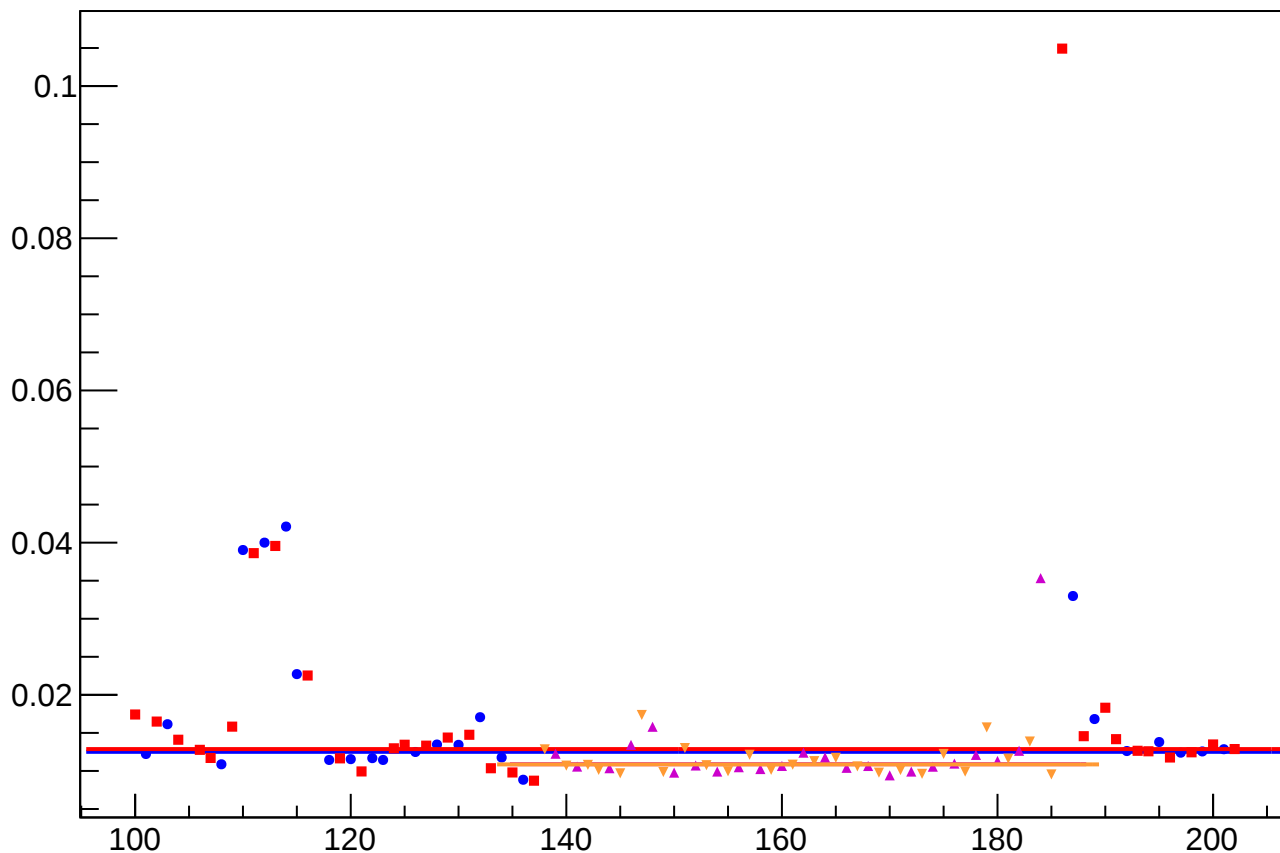
Right Out: 0.138 $\pm$ 0.000 χ^2 /NDF: 8645316240.6/28

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 16842164523.6/1

- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 8989082092.1/51

Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1475192.8/23

Left Out: 0.011+/-0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1892924.2/28

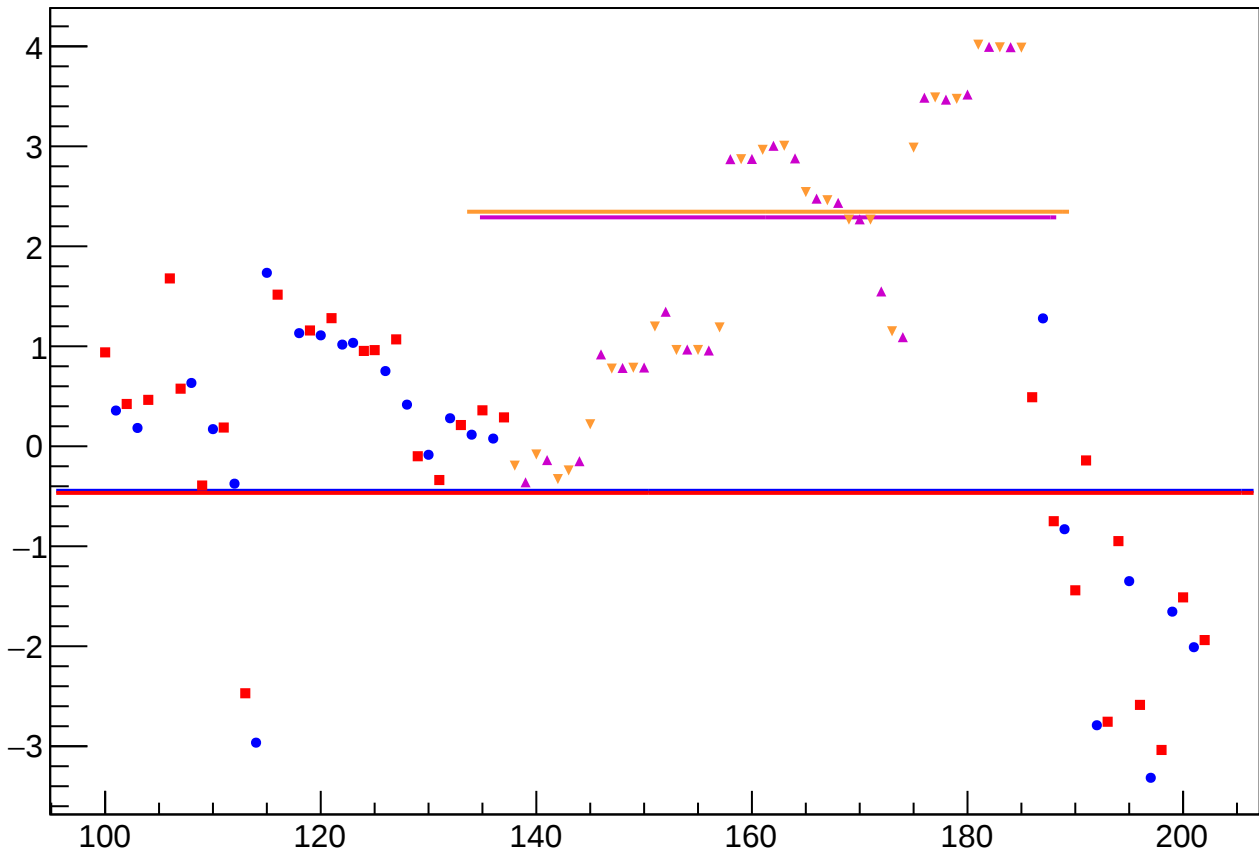
Left In: 0.011+/-0.000 χ^2/NDF : 530077.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 2323041.9/48

All: 0.011+/-0.000 χ^2/NDF : 5118250.7/100

- sign 0.012+/-0.000 χ^2/NDF : 2787230.9/51

yield_bpm1X_mean vs Slug



Right In: -0.445 ± 0.000 $\chi^2/\text{NDF}: 4741453846.9/23$

Left Out: 2.346 ± 0.000 $\chi^2/\text{NDF}: 63481331015.4/24$

Right Out: -0.466 ± 0.000 $\chi^2/\text{NDF}: 5773299216.5/28$

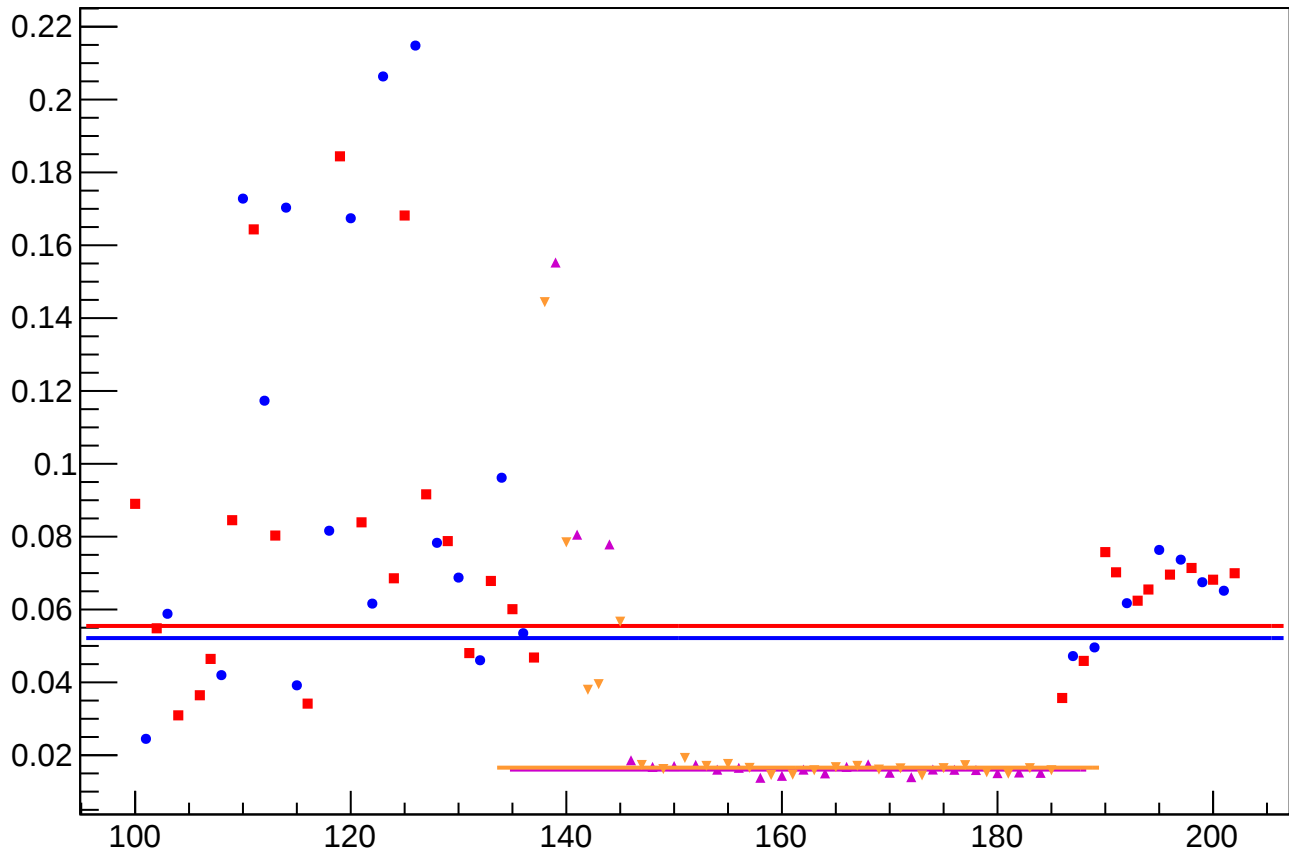
Left In: 2.290 ± 0.000 $\chi^2/\text{NDF}: 60875537647.3/22$

+ sign 2.199 ± 0.000 $\chi^2/\text{NDF}: 89069257326.6/48$

All: 2.164 ± 0.000 $\chi^2/\text{NDF}: 178664048327.1$

- sign 2.130 ± 0.000 $\chi^2/\text{NDF}: 89463233161.0/51$

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3472940.9/23

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

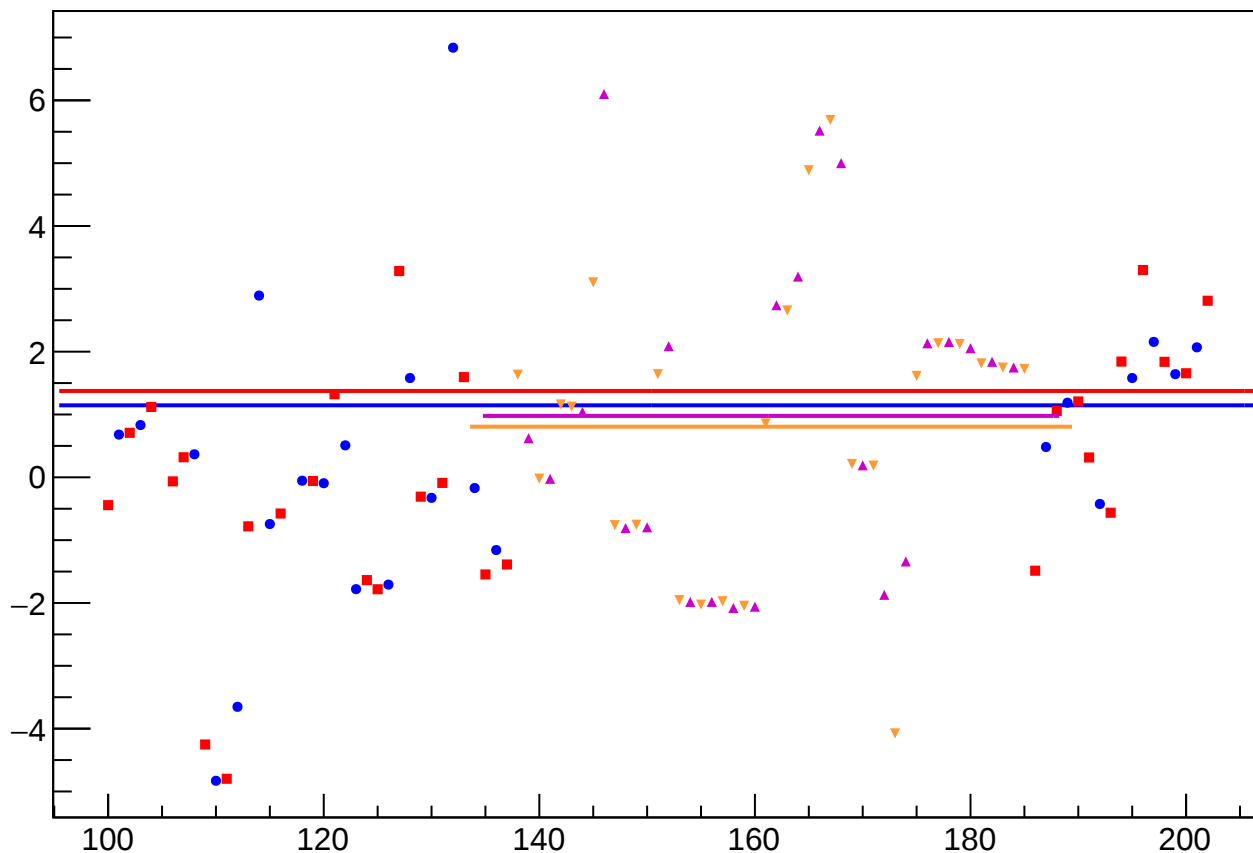
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 12865119.6/48

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 27442692.0/100

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 14576783.7/51

yield_bpm1Y_mean vs Slug



Right In: 1.146 $\pm$ 0.000 χ^2 /NDF: 21062482829.4/23

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 507578952196.2/24

Right Out: 1.374 $\pm$ 0.000 χ^2 /NDF: 26366229673.9/28

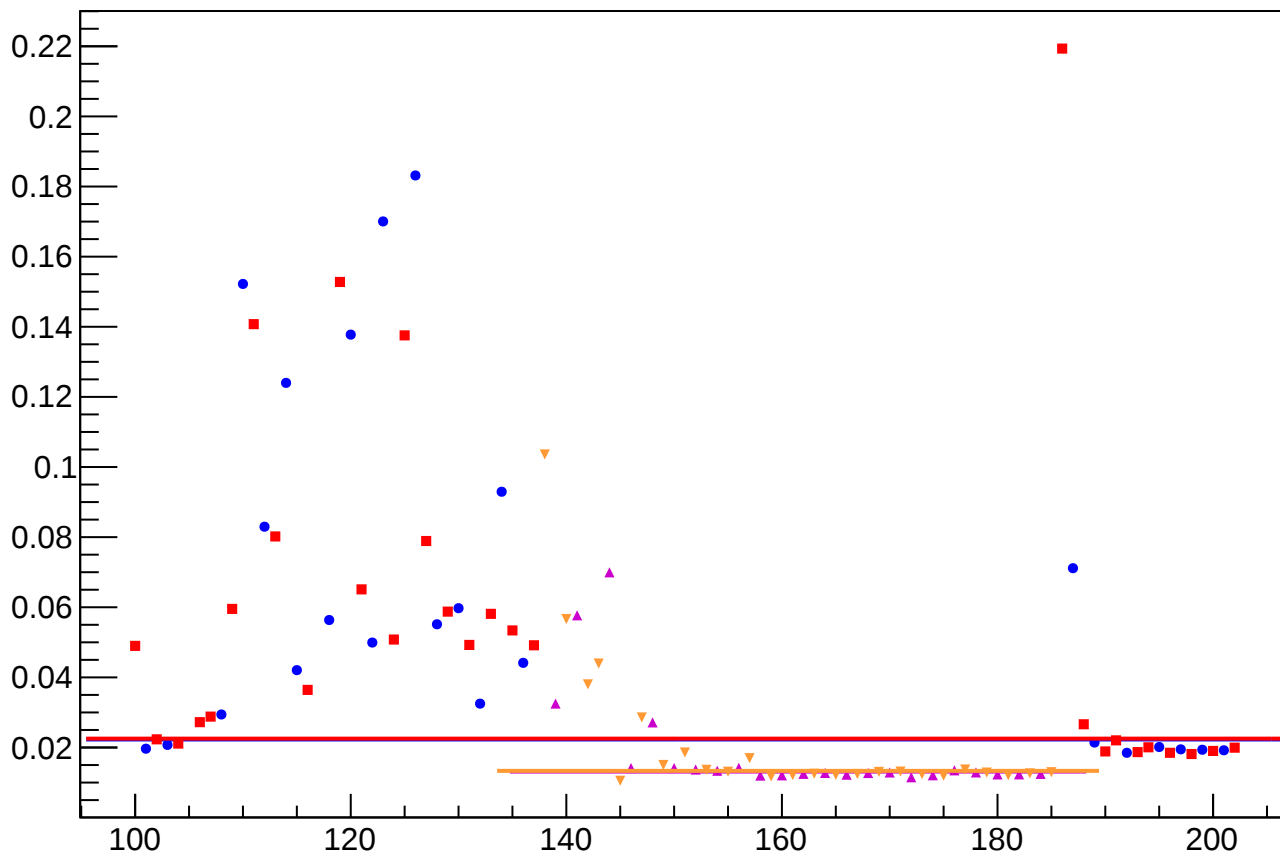
Left In: 0.977 $\pm$ 0.000 χ^2 /NDF: 568209676597.4/22

+ sign 0.855 $\pm$ 0.000 χ^2 /NDF: 530055511197.3/48

All: 0.950 $\pm$ 0.000 χ^2 /NDF: 1128614597445.

- sign 1.043 $\pm$ 0.000 χ^2 /NDF: 596786443150.2/51

yield_bpm1Y_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 3743170.4/23

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

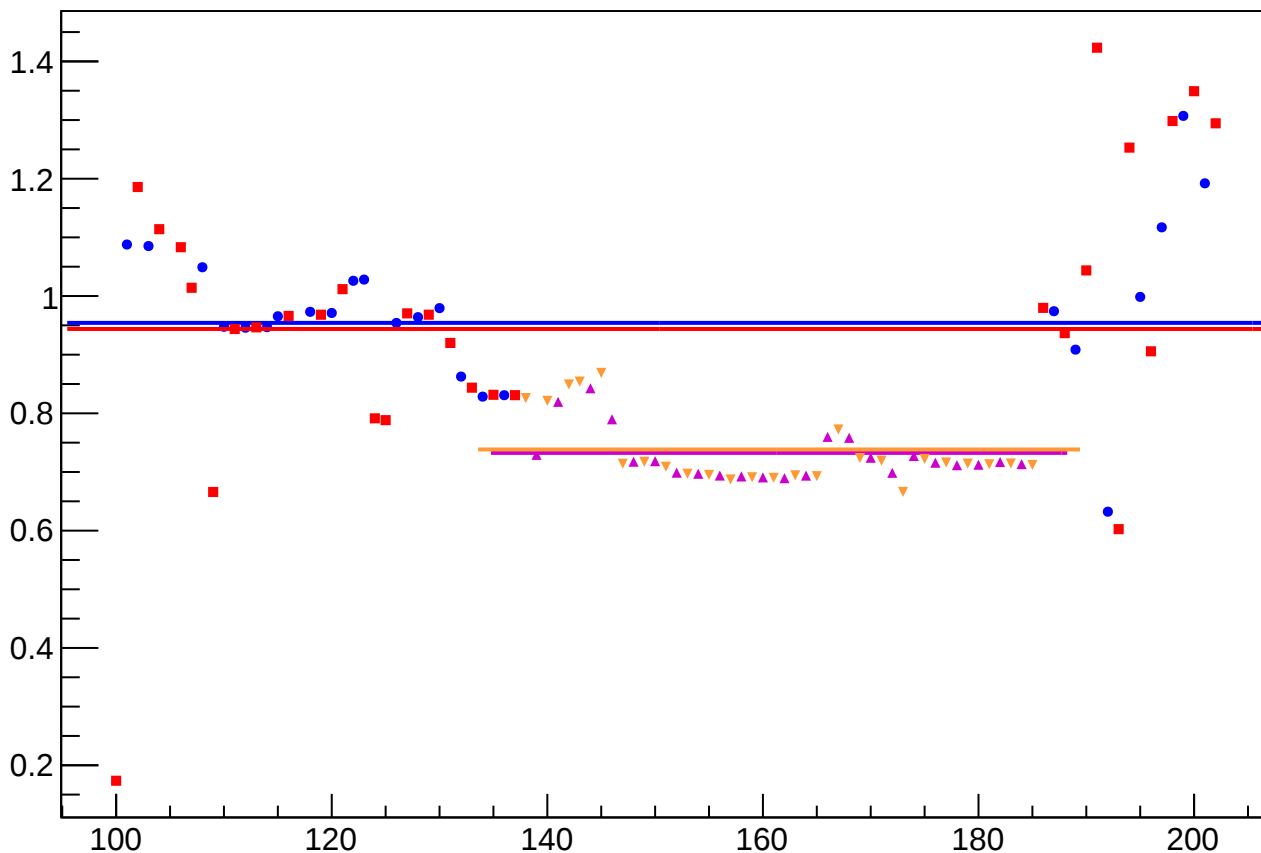
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1946693.6/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 8534675.2/48

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 17732116.8/100

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 9197117.8/51

yield_bpm11X_mean vs Slug



Right In: 0.954 ± 0.000 $\chi^2/\text{NDF}: 452252903.1/23$

Left Out: 0.738 ± 0.000 $\chi^2/\text{NDF}: 310195180.4/24$

Right Out: 0.944 ± 0.000 $\chi^2/\text{NDF}: 896458377.8/28$

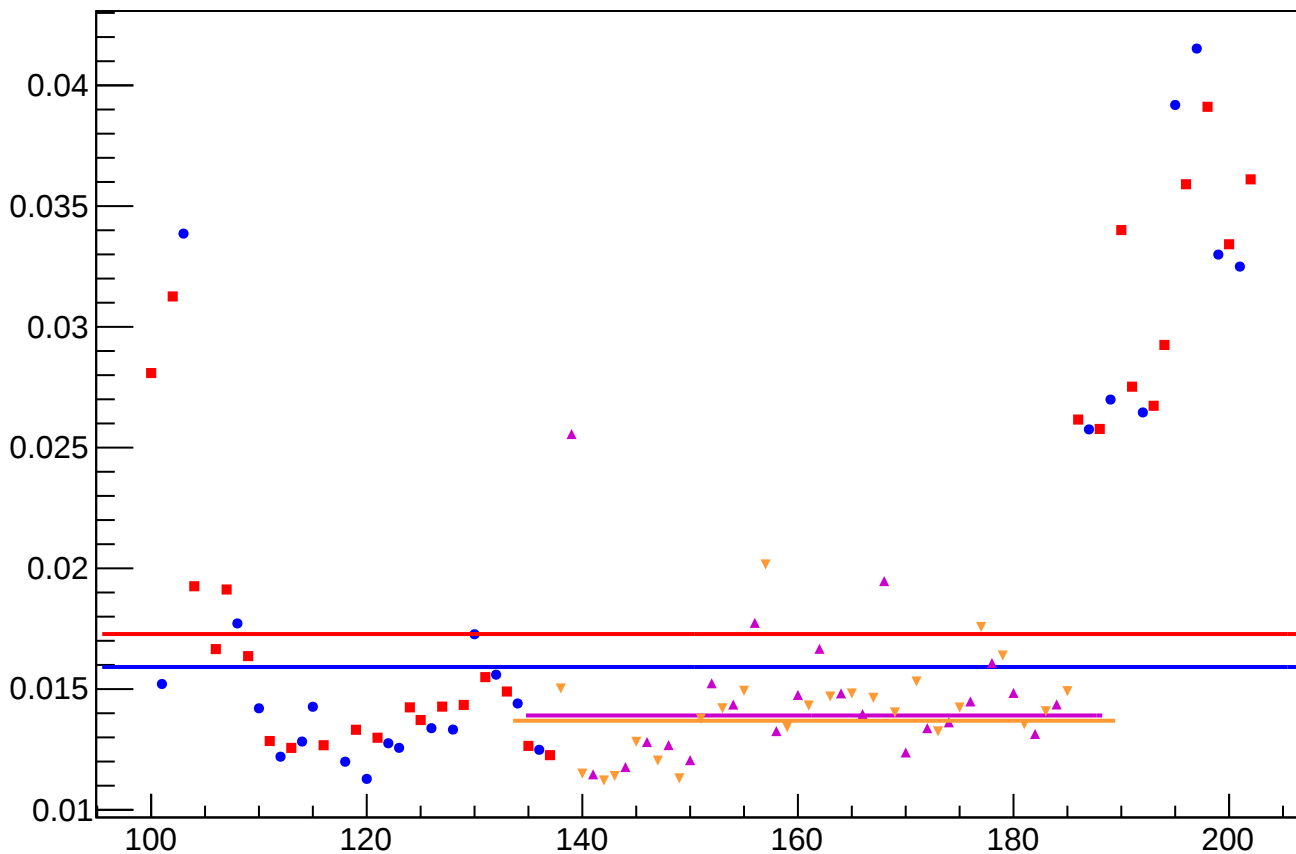
Left In: 0.733 ± 0.000 $\chi^2/\text{NDF}: 170102394.7/22$

+ sign 0.801 ± 0.000 $\chi^2/\text{NDF}: 1928222200.3/48$

All: 0.799 ± 0.000 $\chi^2/\text{NDF}: 4097167137.0/10$

- sign 0.798 ± 0.000 $\chi^2/\text{NDF}: 2168377856.7/51$

yield_bpm11X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 3168344.7/23

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.017+/-0.000 χ^2/NDF : 3418807.9/28

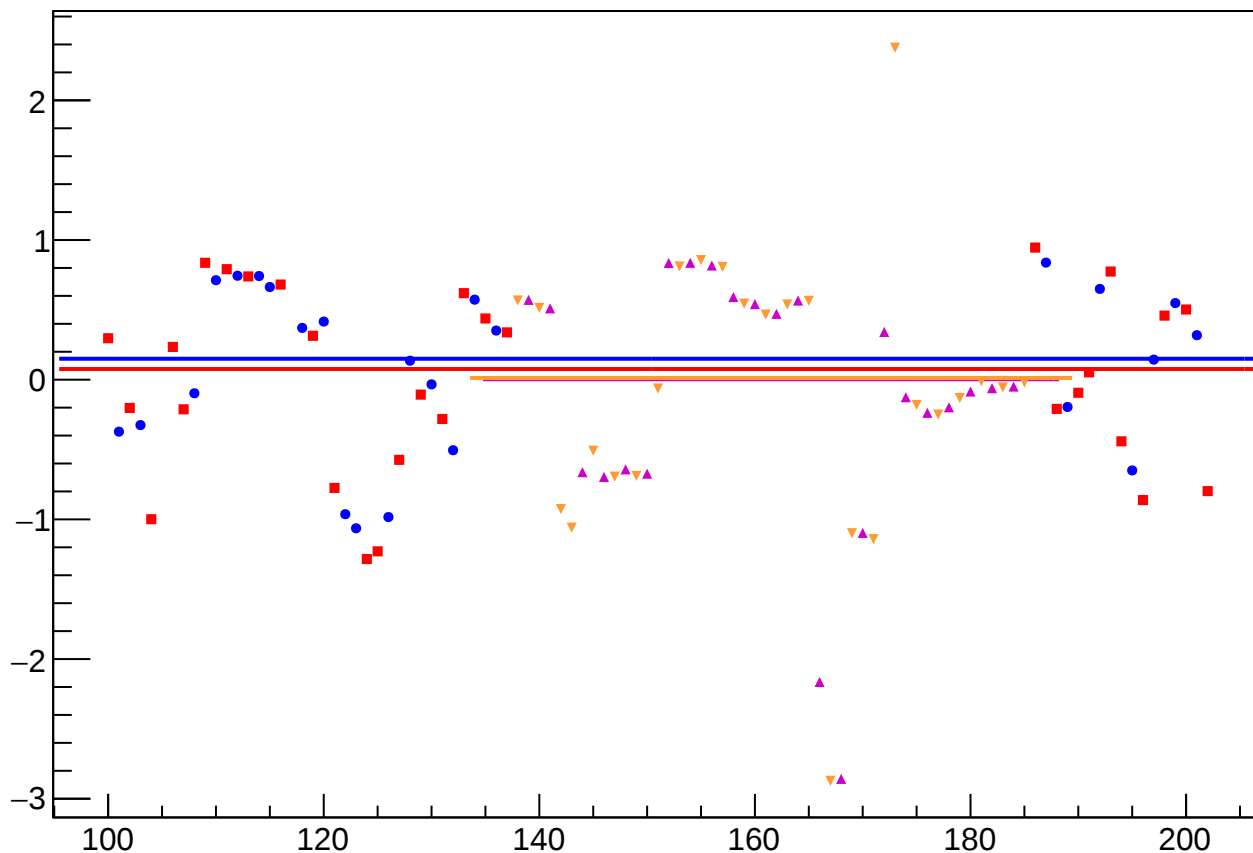
Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

+ sign 0.014+/-0.000 χ^2/NDF : 3944626.0/48

All: 0.015+/-0.000 χ^2/NDF : 8737760.8/100

- sign 0.015+/-0.000 χ^2/NDF : 4748386.2/51

yield_bpm11Y_mean vs Slug



Right In: 0.150+/-0.000 χ^2/NDF : 13653676212.6/23

Left Out: 0.012+/-0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.076+/-0.000 χ^2/NDF : 26895700888.7/28

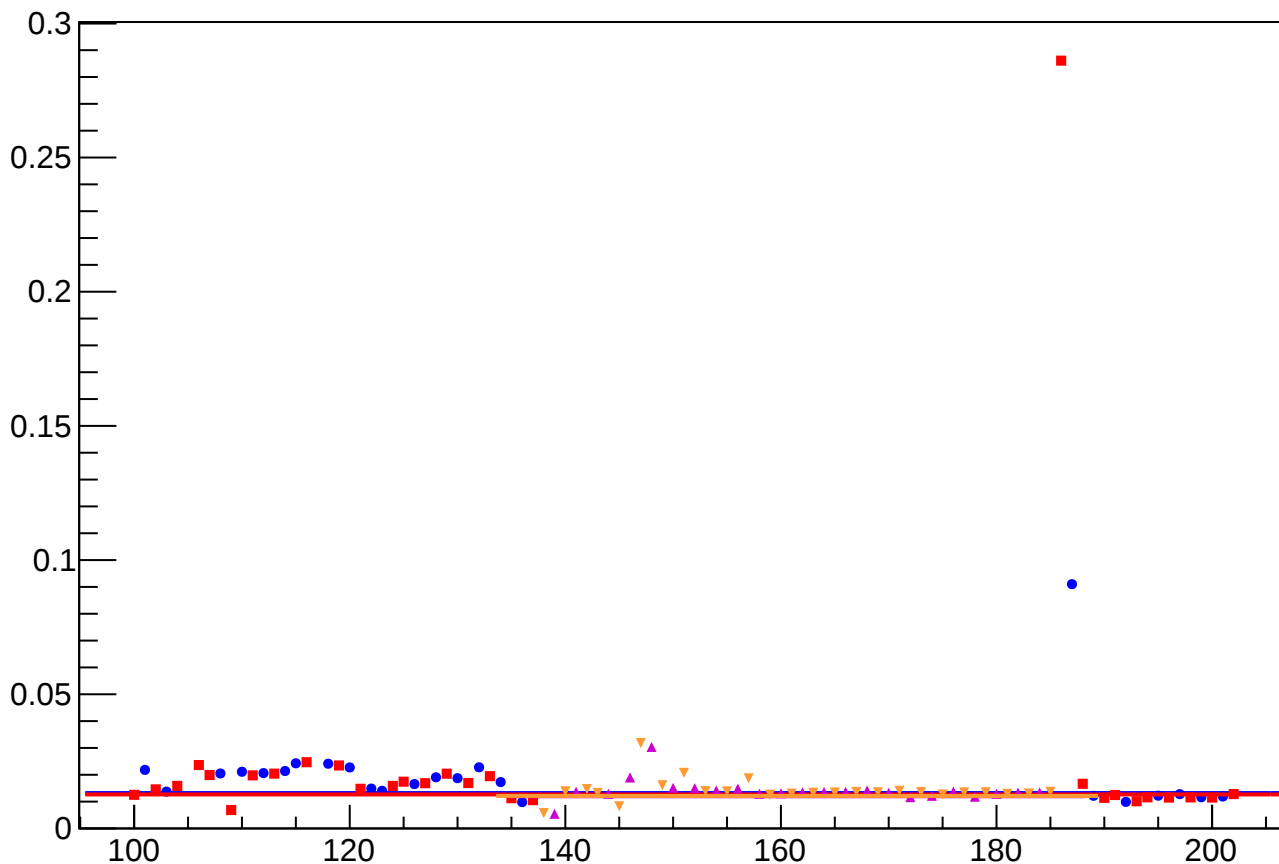
Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.058+/-0.000 χ^2/NDF : 110728656309.8/48

All: 0.045+/-0.000 χ^2/NDF : 216730450662.1

- 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: 1863683.1/23

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

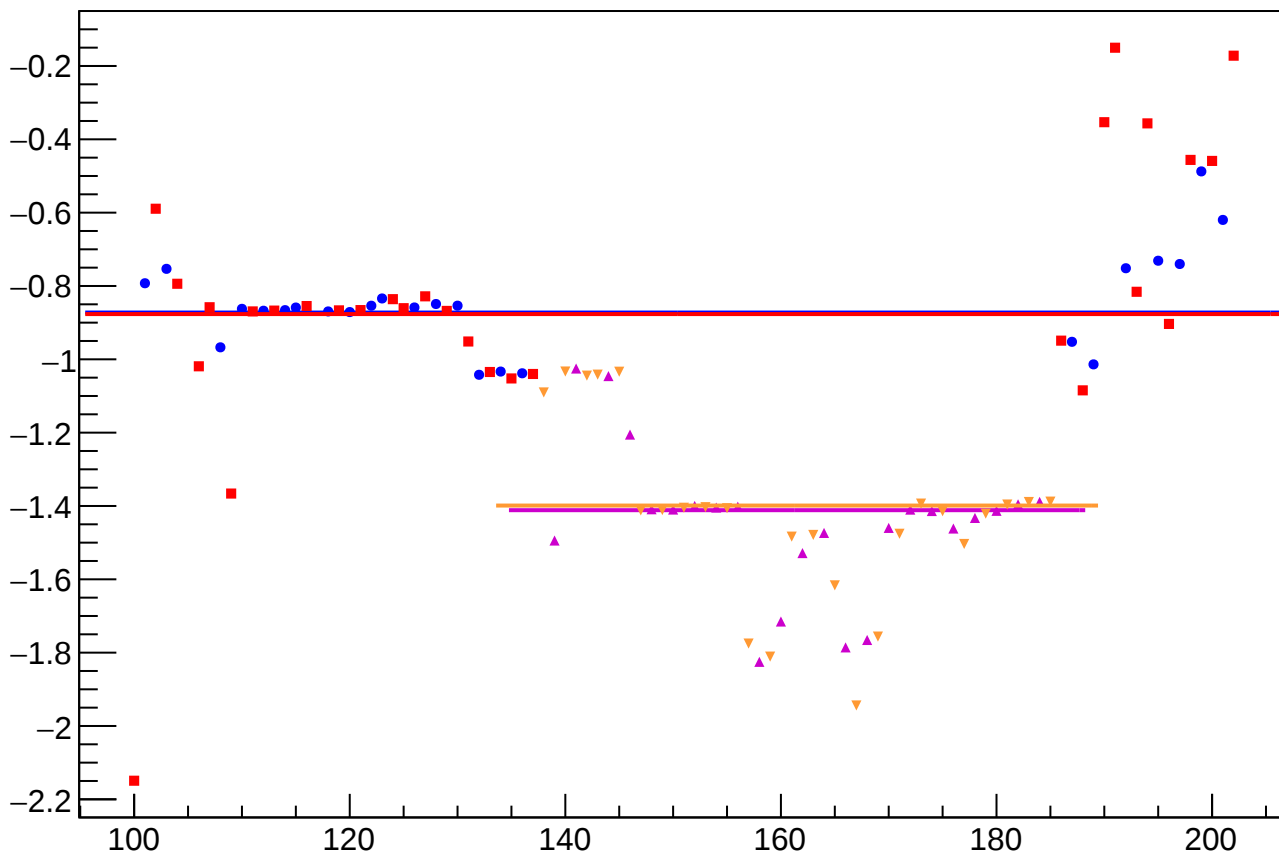
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5053511.2/48

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10617798.0/100

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5557262.1/51

yield_bpm12X_mean vs Slug



Right In: -0.872+/-0.000 χ^2/NDF : 78830531.9/23

Left Out: -1.399+/-0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.877+/-0.000 χ^2/NDF : 316838982.1/28

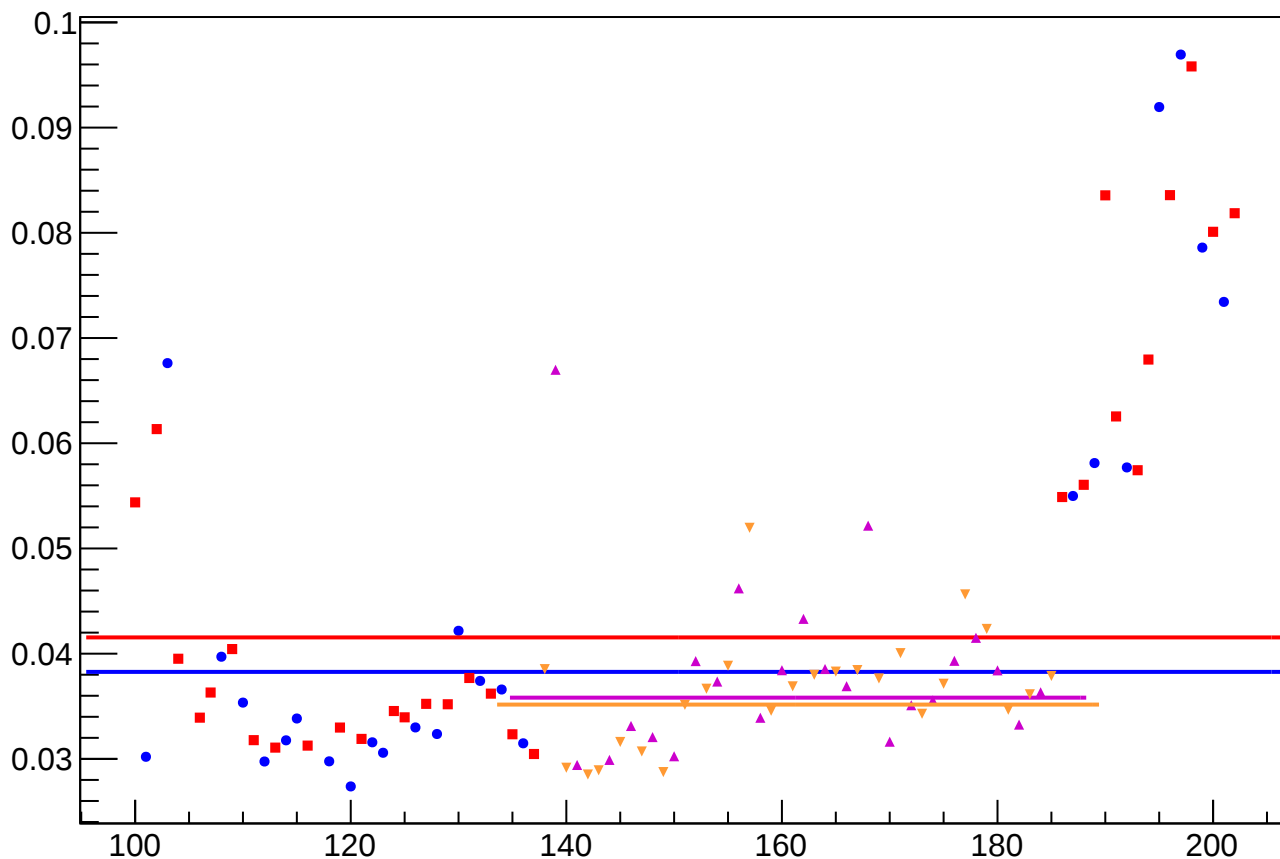
Left In: -1.411+/-0.000 χ^2/NDF : 512547995.0/22

+ sign -1.228+/-0.000 χ^2/NDF : 1981949871.7/48

All: -1.227+/-0.000 χ^2/NDF : 3990370748.6/1

- sign -1.226+/-0.000 χ^2/NDF : 2008388847.8/51

yield_bpm12X_rms vs Slug



Right In: 0.038 $\pm$ 0.000 χ^2 /NDF: 2794865.4/23

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

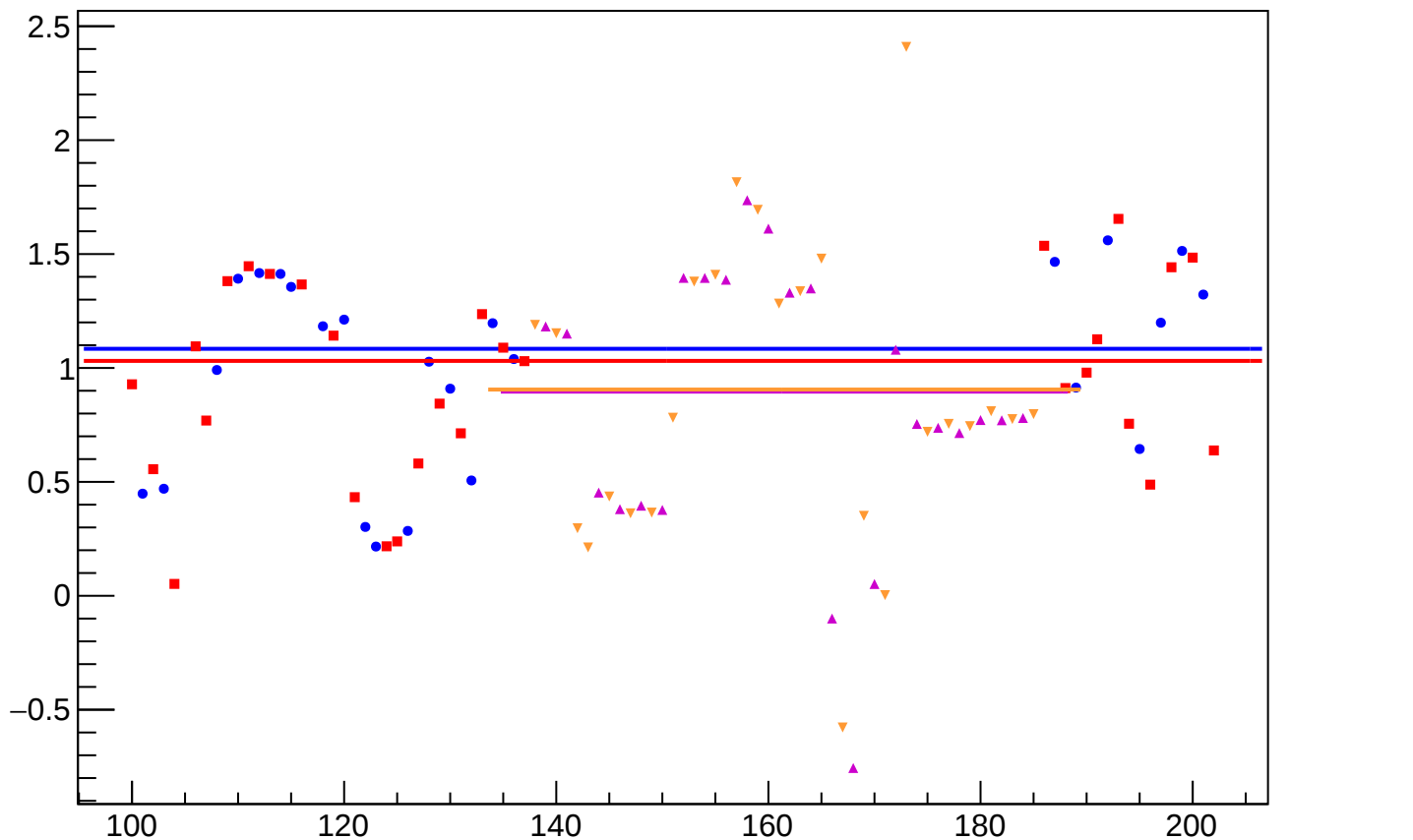
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 864147.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 3471285.3/48

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 7559867.5/100

- sign 0.038 $\pm$ 0.000 χ^2 /NDF: 4038734.4/51

yield_bpm12Y_mean vs Slug



Right In: 1.084 $\pm$ 0.000 χ^2 /NDF: 17880546102.8/23

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

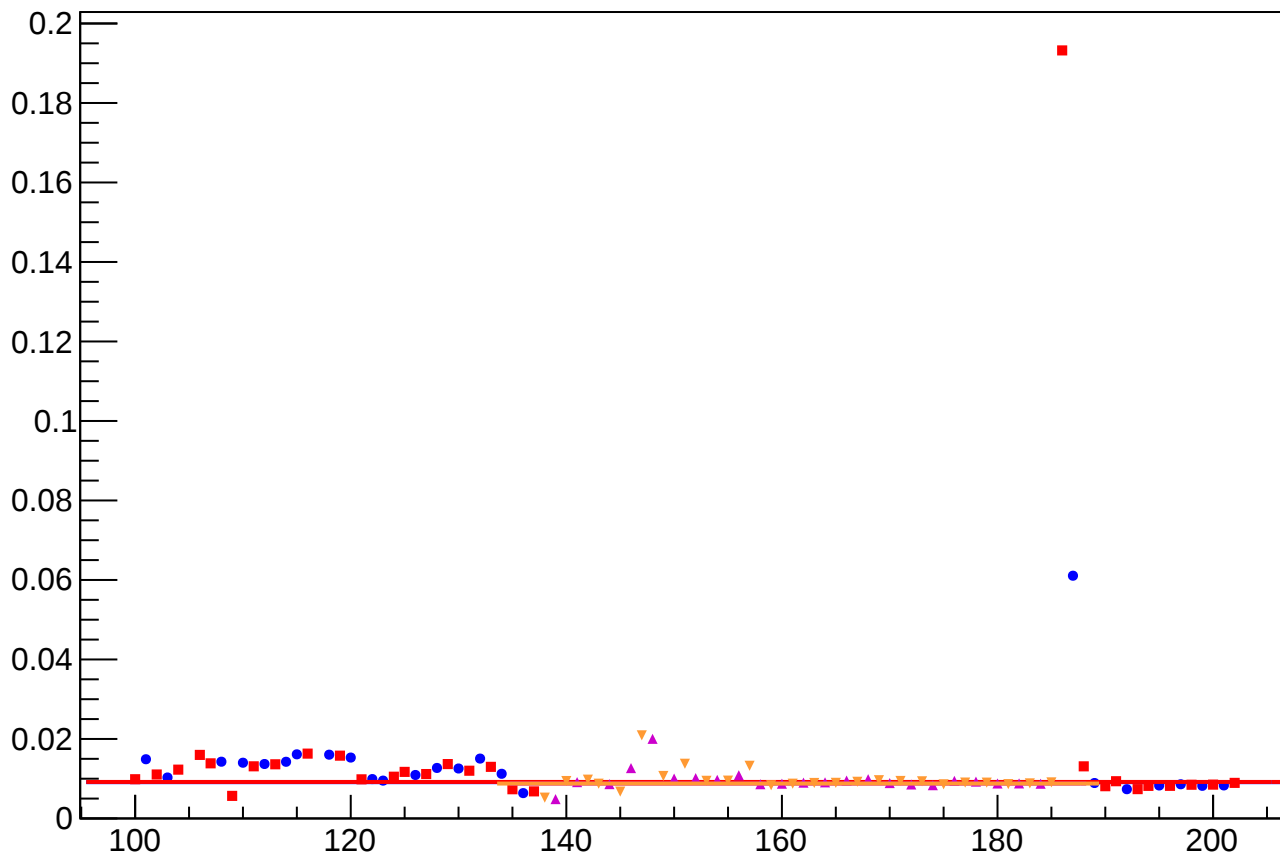
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF:66594200889.6/22

+ sign 0.967 $\pm$ 0.000 χ^2 /NDF: 104582627211.6/48

All: 0.958 $\pm$ 0.000 χ^2 /NDF: 197587609602.1

- 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 : 1738371.6/23

Left Out: 0.009+/-0.000 χ^2/NDF : 1697568.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2182224.1/28

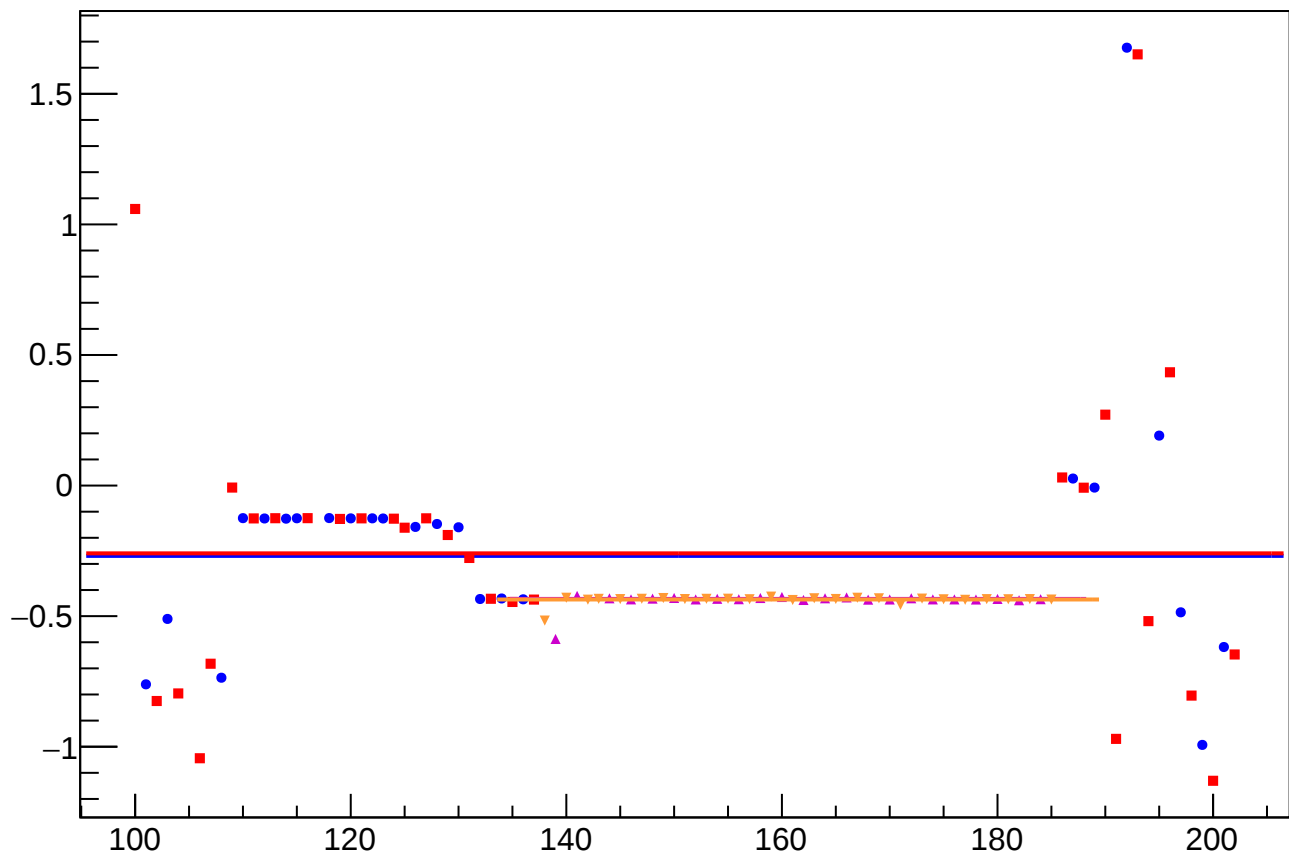
Left In: 0.009+/-0.000 χ^2/NDF : 1607939.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 3454409.2/48

All: 0.009+/-0.000 χ^2/NDF : 7272464.7/100

- sign 0.009+/-0.000 χ^2/NDF : 3817628.3/51

yield_bpm16X_mean vs Slug



Right In: -0.269+/-0.000 χ^2/NDF : 2028867390.2/23

Left Out: -0.436+/-0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.260+/-0.000 χ^2/NDF : 2047981080.3/28

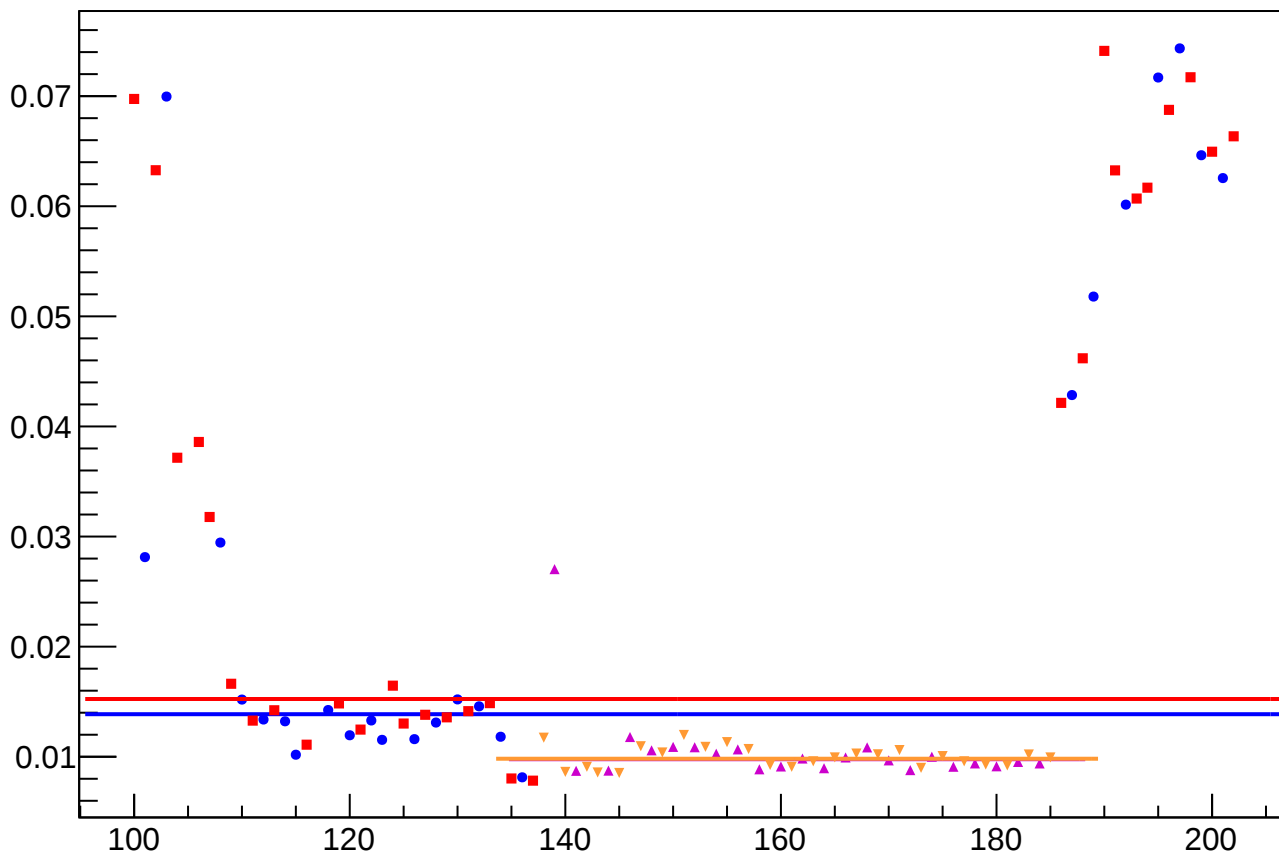
Left In: -0.434+/-0.000 χ^2/NDF : 23984173.0/22

+ sign -0.408+/-0.000 χ^2/NDF : 2824428200.7/48

All: -0.406+/-0.000 χ^2/NDF : 5693130628.0/1

- sign -0.404+/-0.000 χ^2/NDF : 2867377650.6/51

yield_bpm16X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 7423491.2/23

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

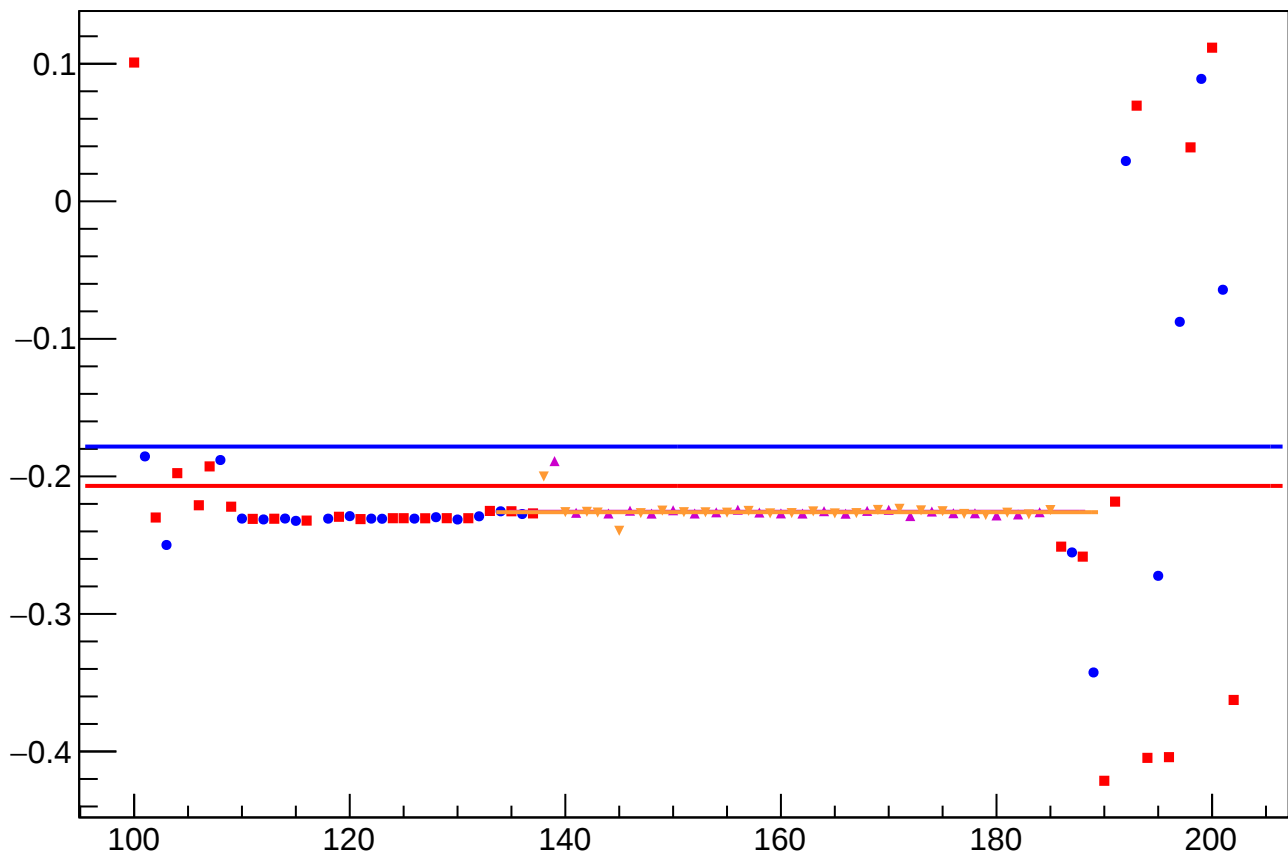
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 747550.0/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 8592856.9/48

All: 0.011 $\pm$ 0.000 χ^2/NDF : 20121095.0/100

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 11520163.1/51

yield_bpm16Y_mean vs Slug



Right In: -0.178 ± 0.000 χ^2/NDF : 4433172804.6/23

Left Out: -0.226 ± 0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.207 ± 0.000 χ^2/NDF : 7872325188.7/28

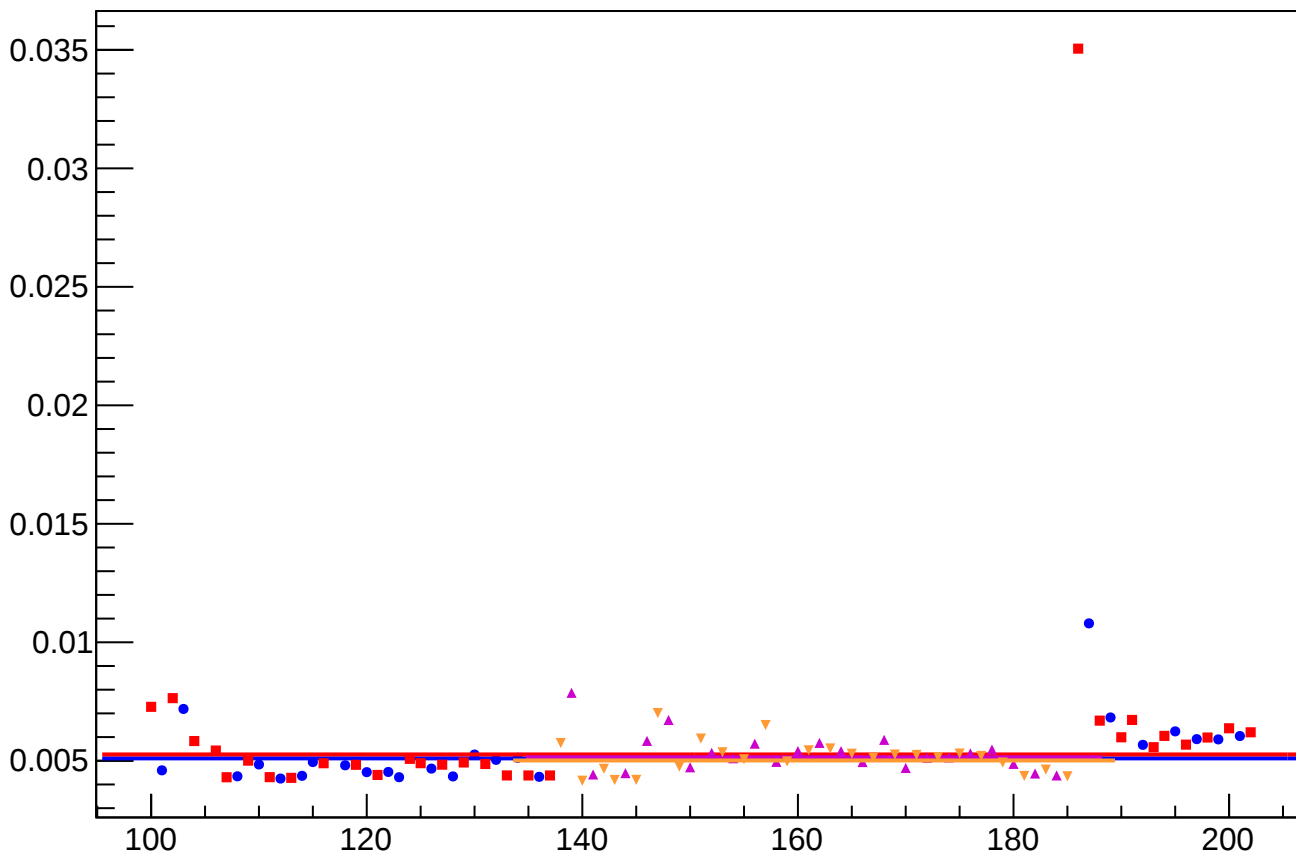
Left In: -0.226 ± 0.000 χ^2/NDF : 15245251.1/22

+ sign -0.209 ± 0.000 χ^2/NDF : 5025393336.3/48

All: -0.213 ± 0.000 χ^2/NDF : 13049827418.2/51

- 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 : 574950.3/23

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1129616.8/28

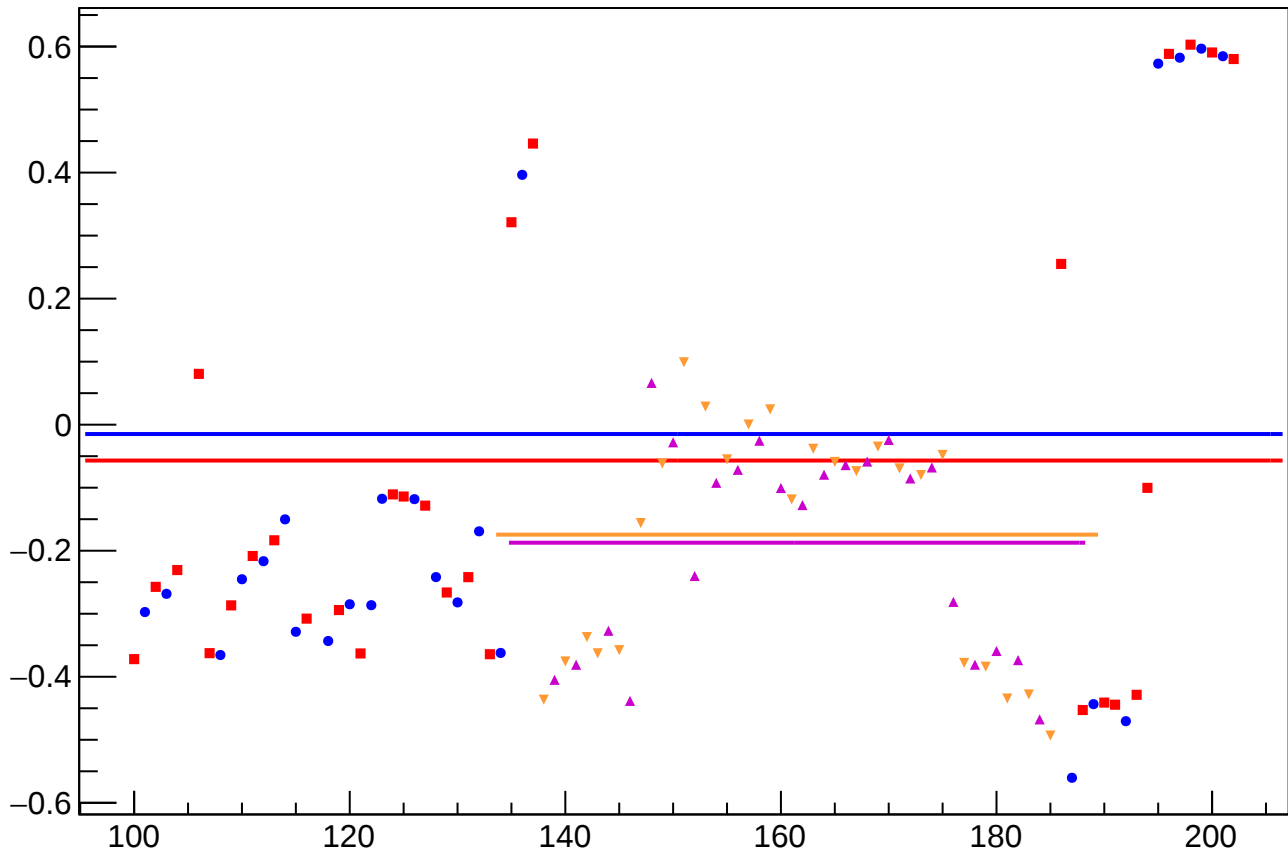
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 1109432.7/48

All: 0.005+/-0.000 χ^2/NDF : 2763819.3/100

- sign 0.005+/-0.000 χ^2/NDF : 1630195.5/51

yield_bpm0i02X_mean vs Slug



Right In: -0.015 ± 0.000 $\chi^2/\text{NDF}: 42116042976.7/23$

Left Out: -0.174 ± 0.000 $\chi^2/\text{NDF}: 18025533236.1/24$

Right Out: -0.057 ± 0.000 $\chi^2/\text{NDF}: 42309020863.7/28$

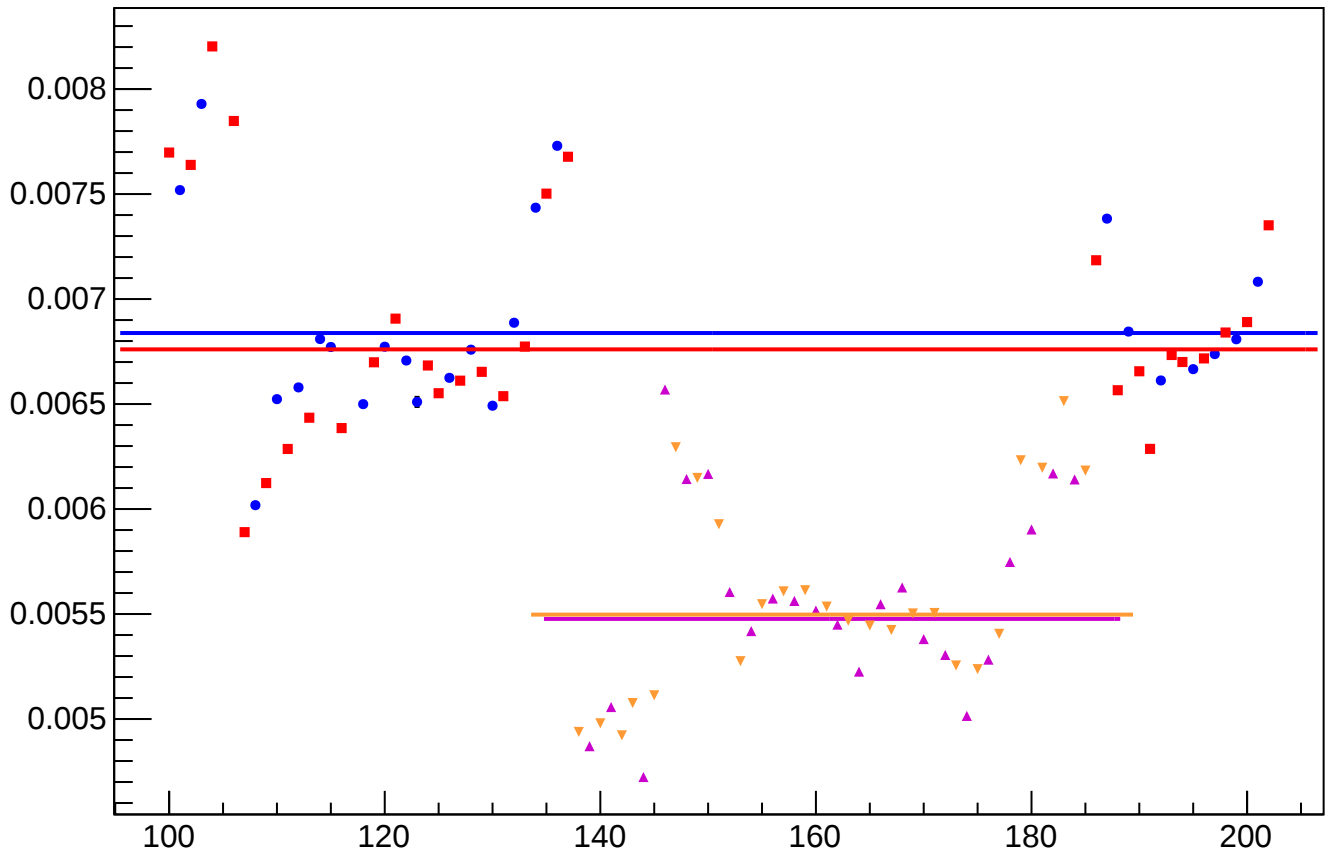
Left In: -0.187 ± 0.000 $\chi^2/\text{NDF}: 12816646575.4/22$

+ sign -0.128 ± 0.000 $\chi^2/\text{NDF}: 64463893215.3/48$

All: -0.135 ± 0.000 $\chi^2/\text{NDF}: 122888205303.4$

- sign -0.142 ± 0.000 $\chi^2/\text{NDF}: 58335539721.2/51$

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 86001.2/23

Left Out: 0.005+/-0.000 χ^2/NDF : 198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 120228.8/28

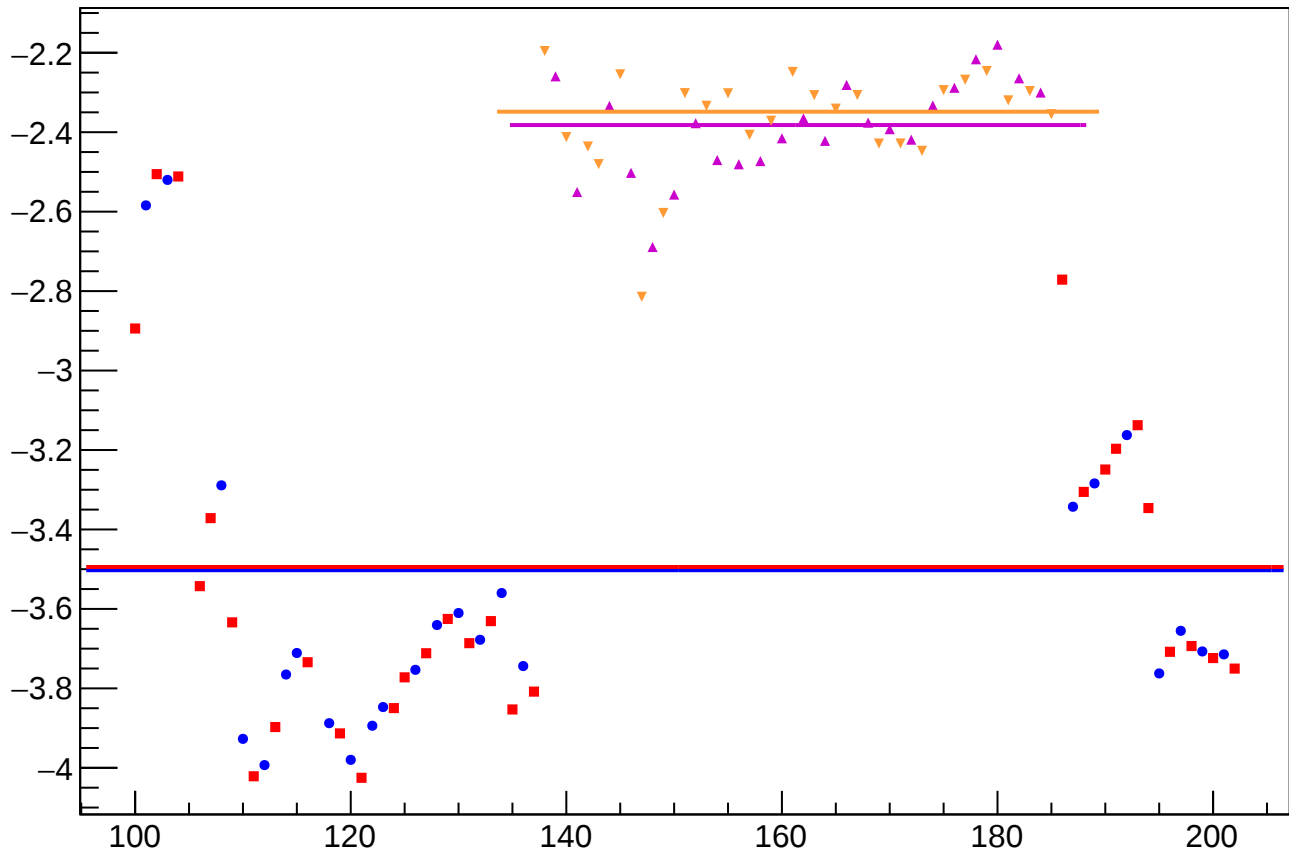
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 894760.4/48

All: 0.006+/-0.000 χ^2/NDF : 1840277.2/100

- sign 0.006+/-0.000 χ^2/NDF : 944827.1/51

yield_bpm0i02Y_mean vs Slug



Right In: -3.503 ± 0.000 χ^2/NDF : 29176562792.2/23

Left Out: -2.348 ± 0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.494 ± 0.000 χ^2/NDF : 30319217221.1/28

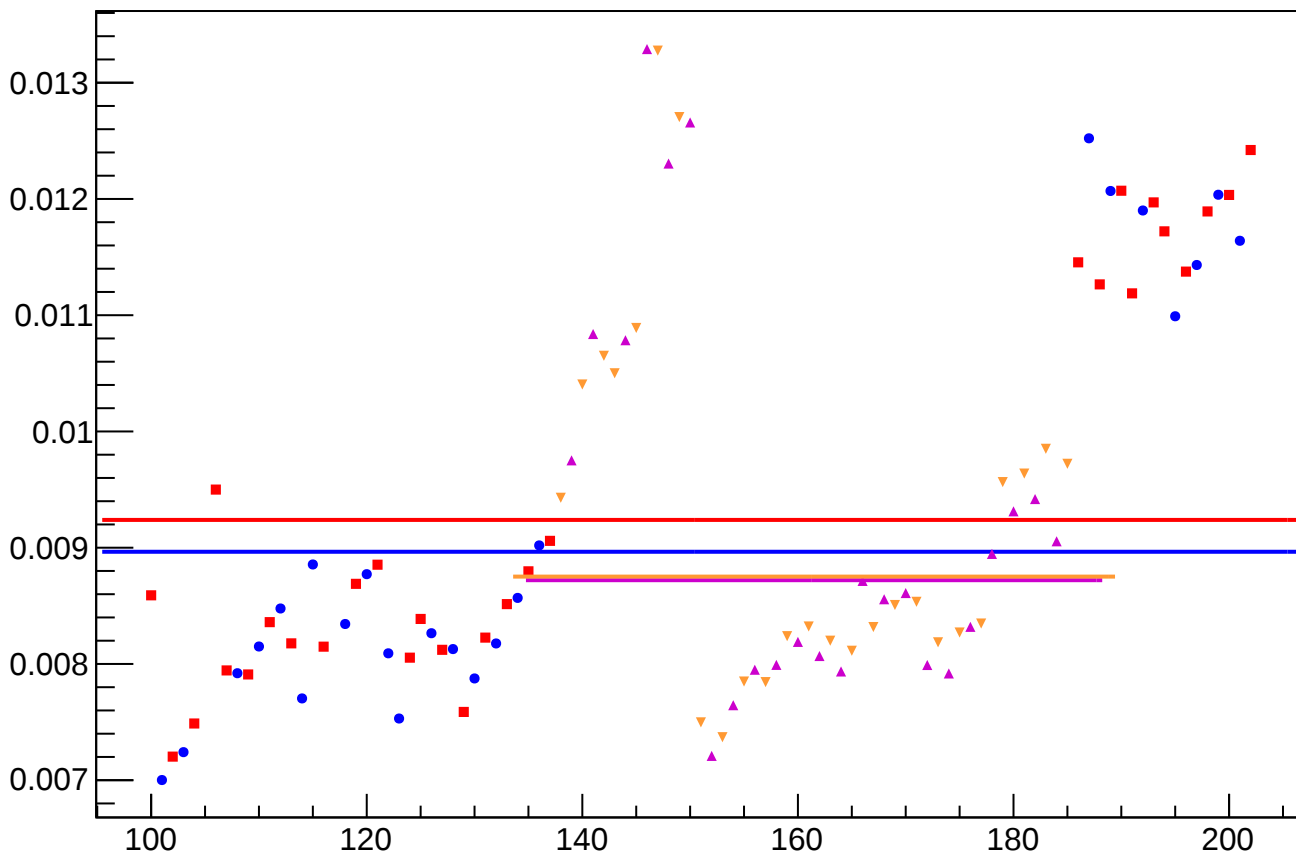
Left In: -2.382 ± 0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.779 ± 0.000 χ^2/NDF : 143252272563.0/48

All: -2.808 ± 0.000 χ^2/NDF : 284585233760.9

- sign -2.837 ± 0.000 χ^2/NDF : 140729929254.4/51

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 746212.4/23

Left Out: 0.009+/-0.000 χ^2/NDF : 663672.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 883961.4/28

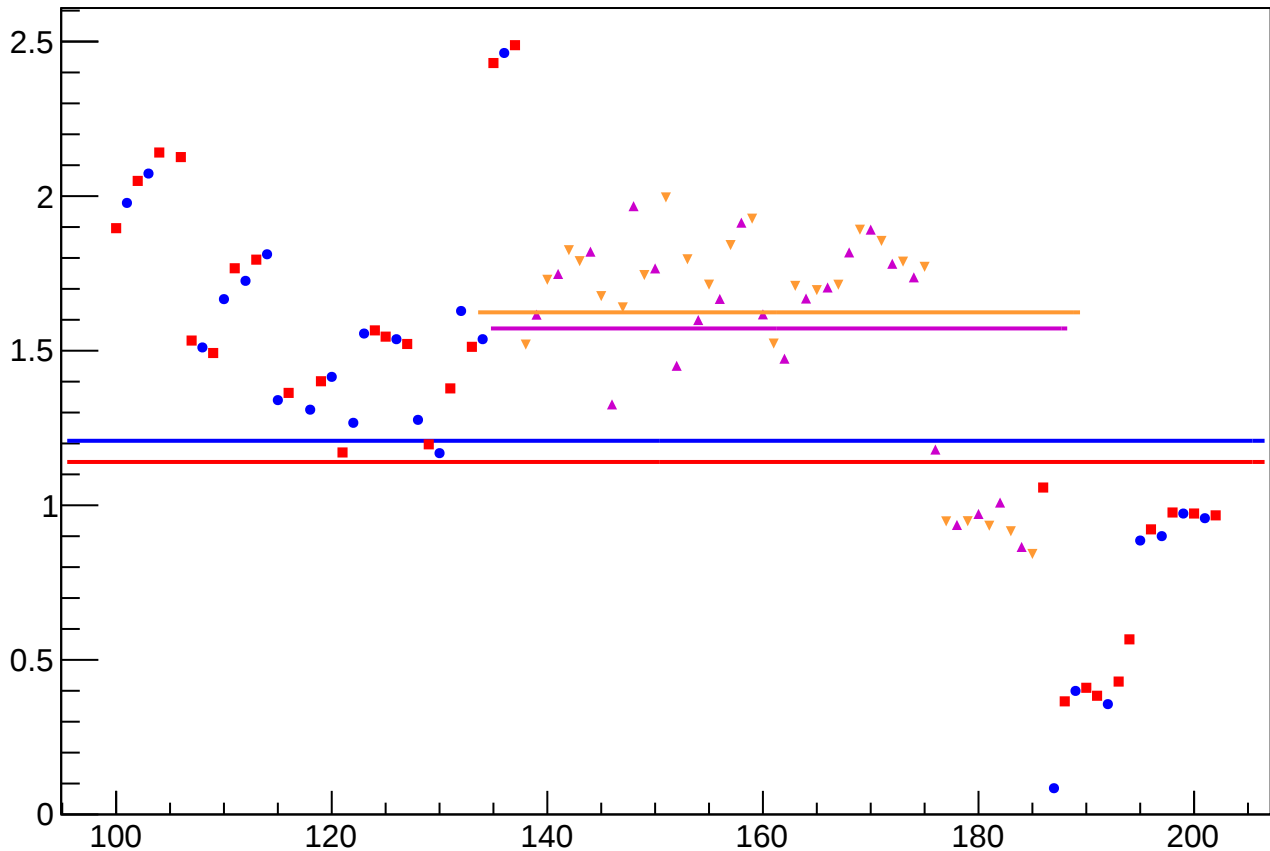
Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1417554.9/48

All: 0.009+/-0.000 χ^2/NDF : 3100052.5/100

- sign 0.009+/-0.000 χ^2/NDF : 1678786.4/51

yield_bpm0i02aX_mean vs Slug



Right In: 1.209 $\pm$ 0.000 χ^2/NDF : 26871244616.7/23

Left Out: 1.624 $\pm$ 0.000 χ^2/NDF : 16631112386.4/24

Right Out: 1.140 $\pm$ 0.000 χ^2/NDF : 32493599579.6/28

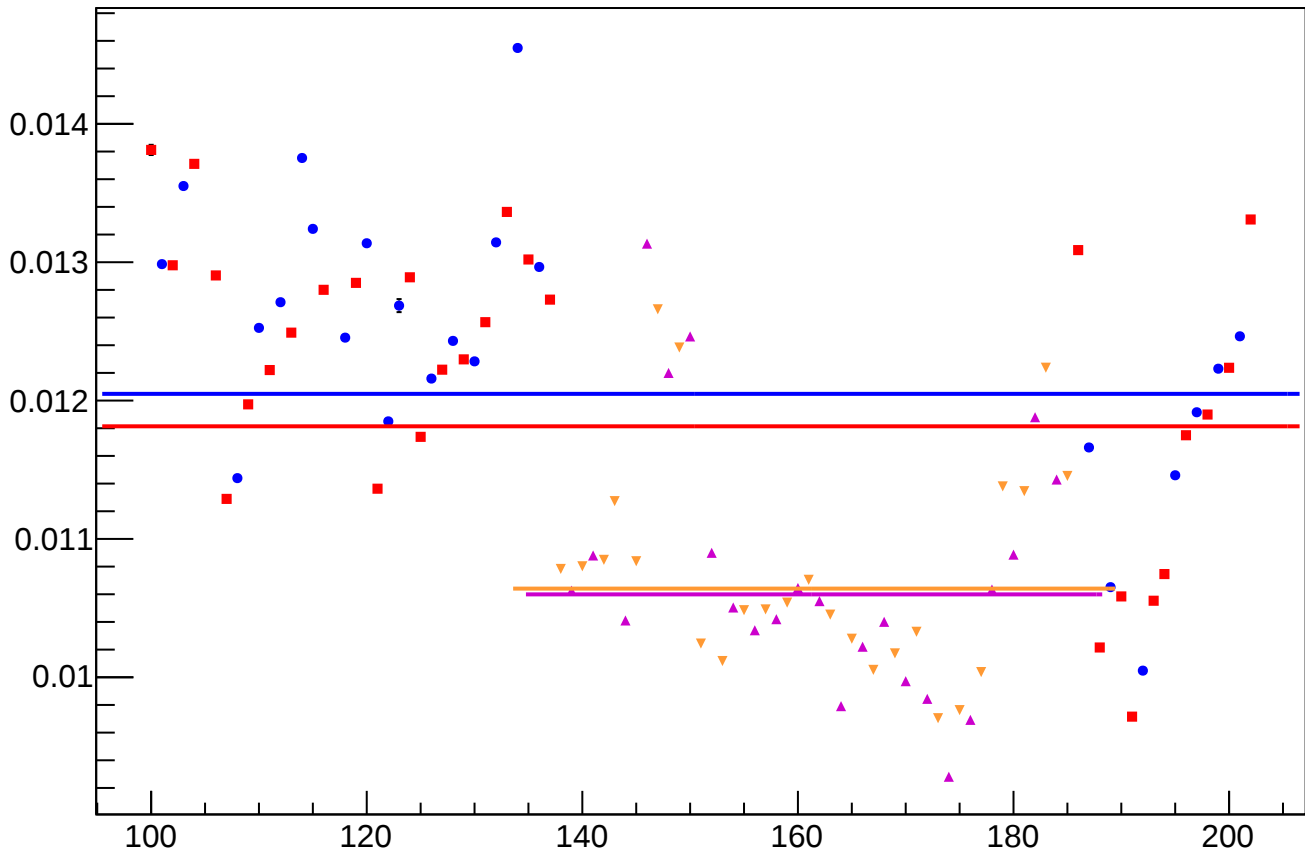
Left In: 1.572 $\pm$ 0.000 χ^2/NDF : 14230484809.4/22

+ sign 1.487 $\pm$ 0.000 χ^2/NDF : 52381269469.0/48

All: 1.445 $\pm$ 0.000 χ^2/NDF : 110601756454.7

- sign 1.404 $\pm$ 0.000 χ^2/NDF : 57410835153.7/51

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 157291.6/23

Left Out: 0.011+/-0.000 χ^2/NDF : 159760.9/24

Right Out: 0.012+/-0.000 χ^2/NDF : 211087.9/28

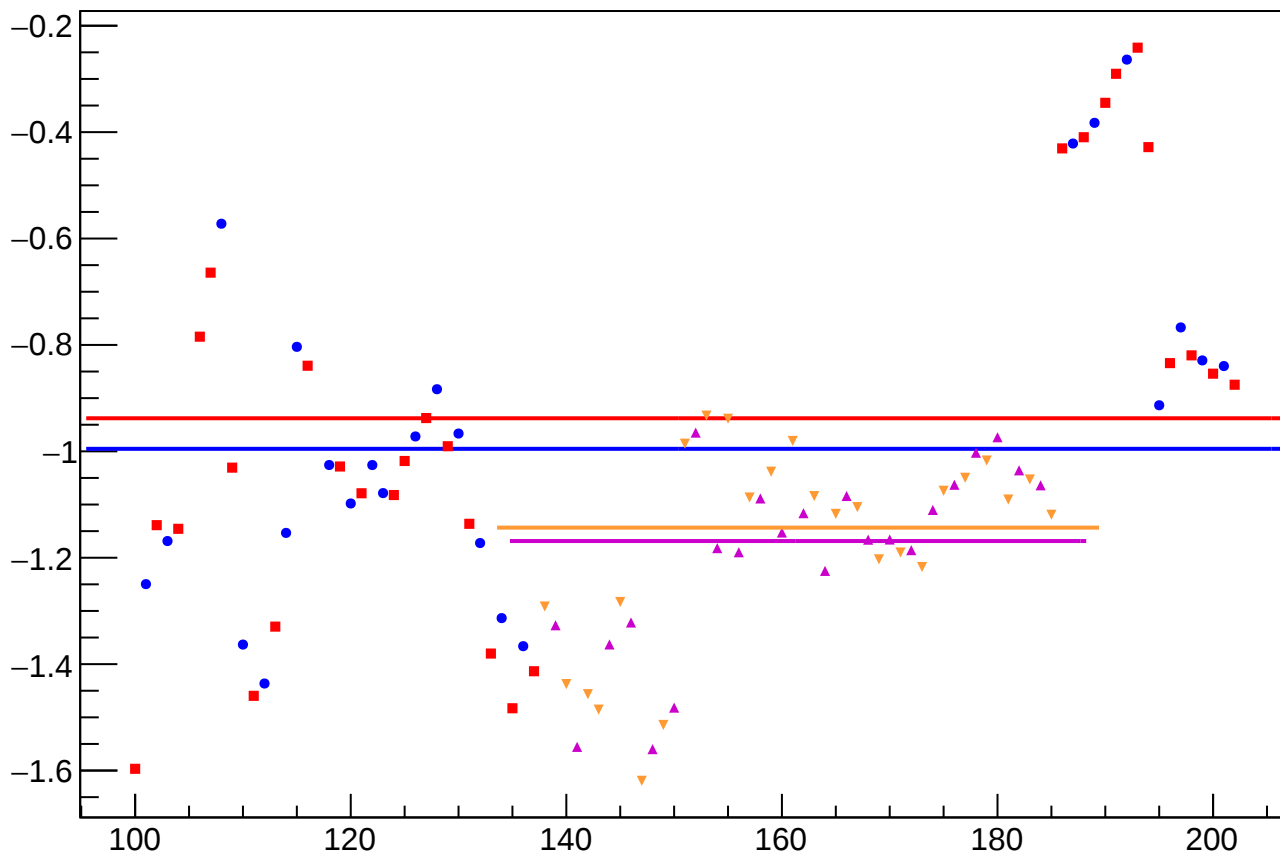
Left In: 0.011+/-0.000 χ^2/NDF : 204531.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 520896.6/48

All: 0.011+/-0.000 χ^2/NDF : 1105948.5/100

- sign 0.011+/-0.000 χ^2/NDF : 584768.5/51

yield_bpm0i02aY_mean vs Slug



Right In: -0.995 ± 0.000 $\chi^2/\text{NDF}: 10740143427.4/23$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -0.938 ± 0.000 $\chi^2/\text{NDF}: 15755026213.3/28$

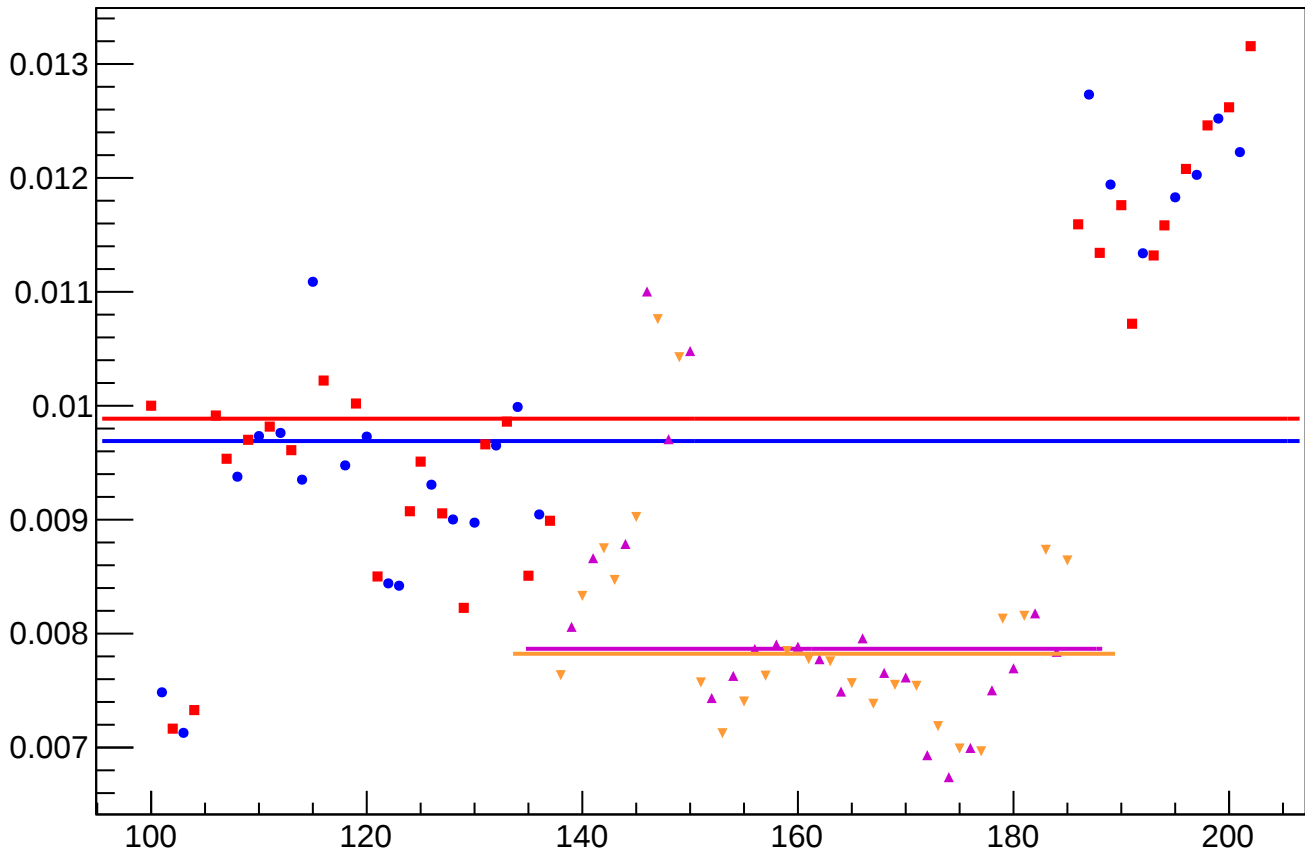
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.101 ± 0.000 $\chi^2/\text{NDF}: 20494641679.7/48$

All: -1.097 ± 0.000 $\chi^2/\text{NDF}: 47214724739.1/51$

- sign -1.093 ± 0.000 $\chi^2/\text{NDF}: 26708082660.4/51$

yield_bpm0i02aY_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 625756.0/23

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

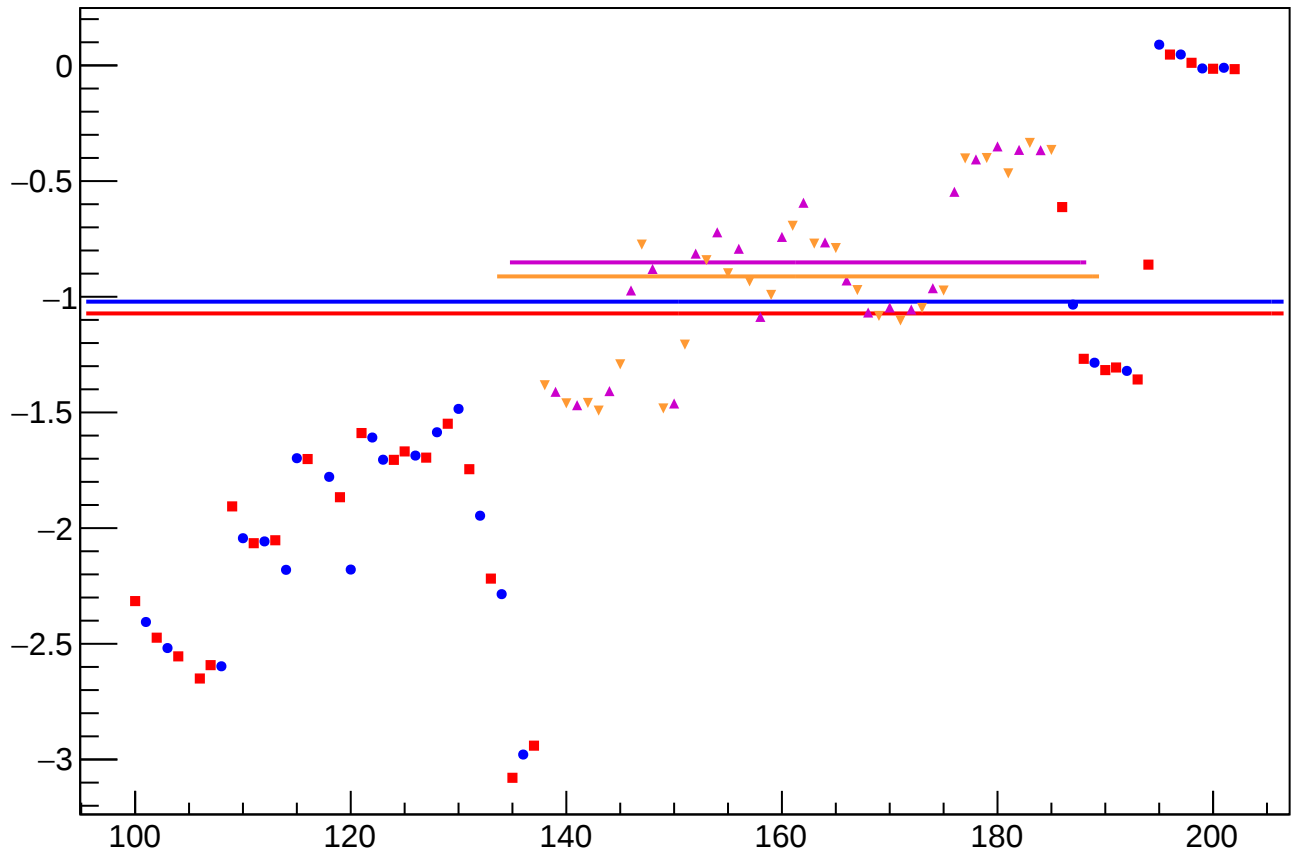
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1527257.6/48

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3356817.6/100

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1818560.7/51

yield_bpm0i05X_mean vs Slug



Right In: -1.021 ± 0.000 χ^2/NDF : 288941427346.7/23

Left Out: -0.912 ± 0.000 χ^2/NDF : 49039425818.1/24

Right Out: -1.072 ± 0.000 χ^2/NDF : 305984042210.8/28

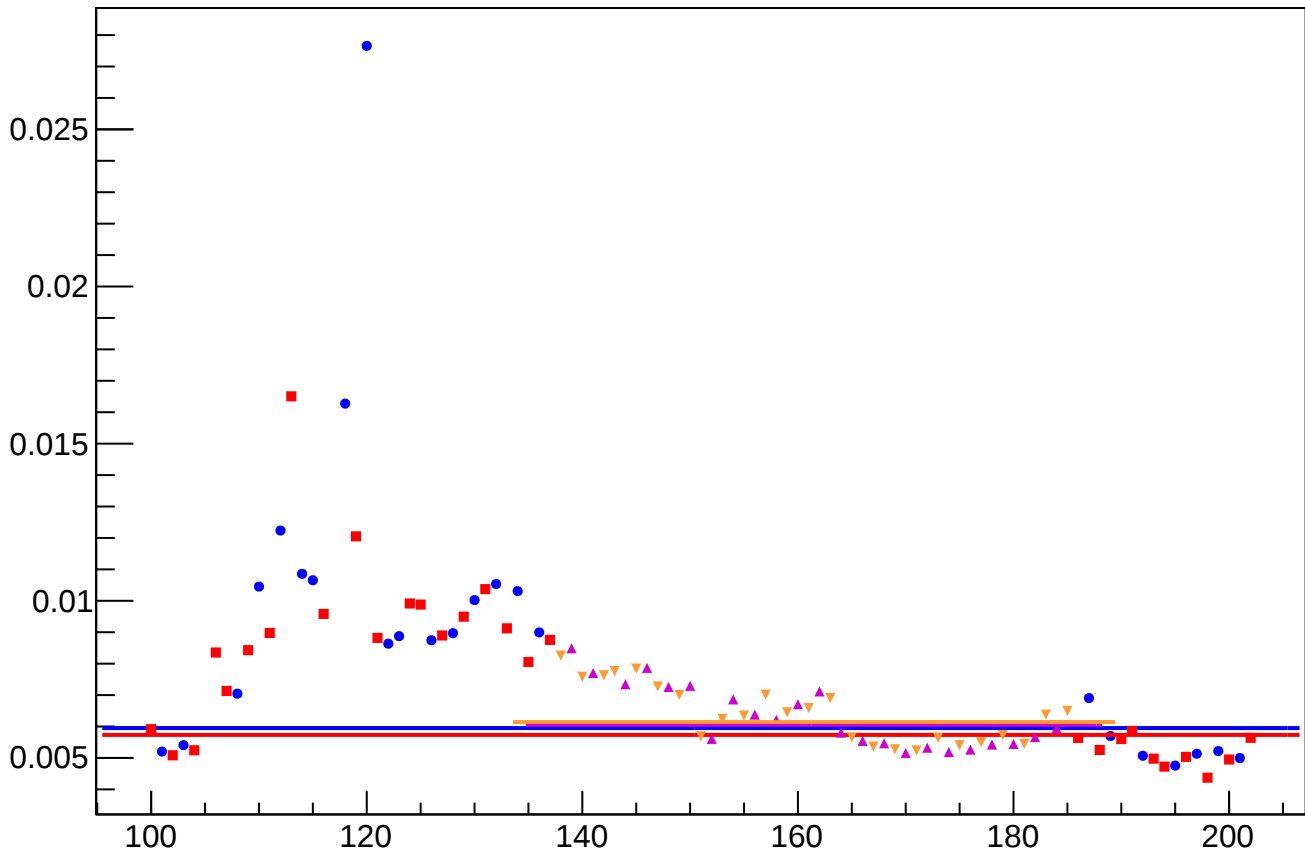
Left In: -0.851 ± 0.000 χ^2/NDF : 46438446008.2/22

+ sign -0.952 ± 0.000 χ^2/NDF : 339912470617.9/48

All: -0.950 ± 0.000 χ^2/NDF : 701596576259.2

- 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 : 1937972.4/23

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1878298.7/28

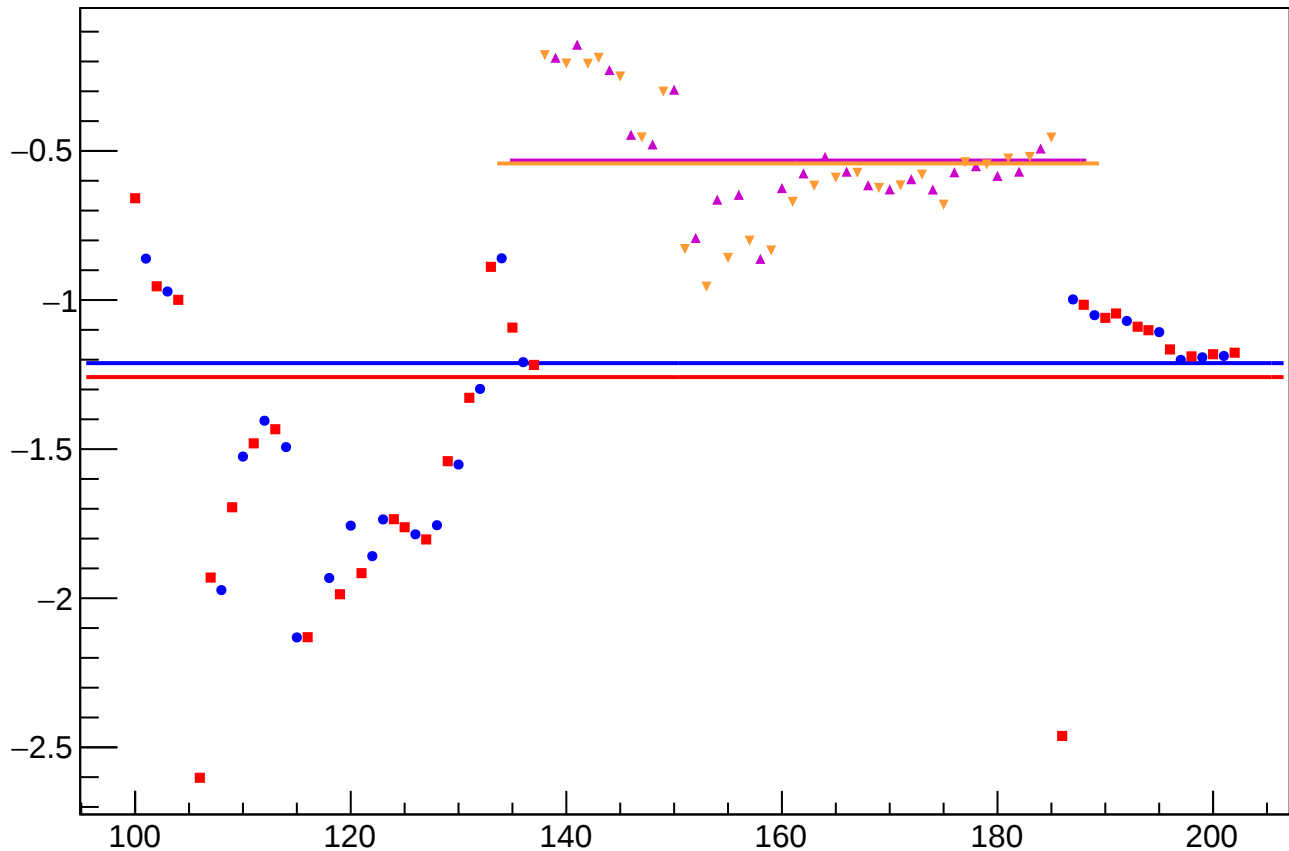
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2587562.6/48

All: 0.006+/-0.000 χ^2/NDF : 5220911.0/100

- sign 0.006+/-0.000 χ^2/NDF : 2614640.4/51

yield_bpm0i05Y_mean vs Slug



Right In: -1.212+/-0.000 χ^2 /NDF: 26231470201.4/23

Left Out: -0.542+/-0.000 χ^2 /NDF: 47268284910.3/24

Right Out: -1.258+/-0.000 χ^2 /NDF: 78538000834.2/28

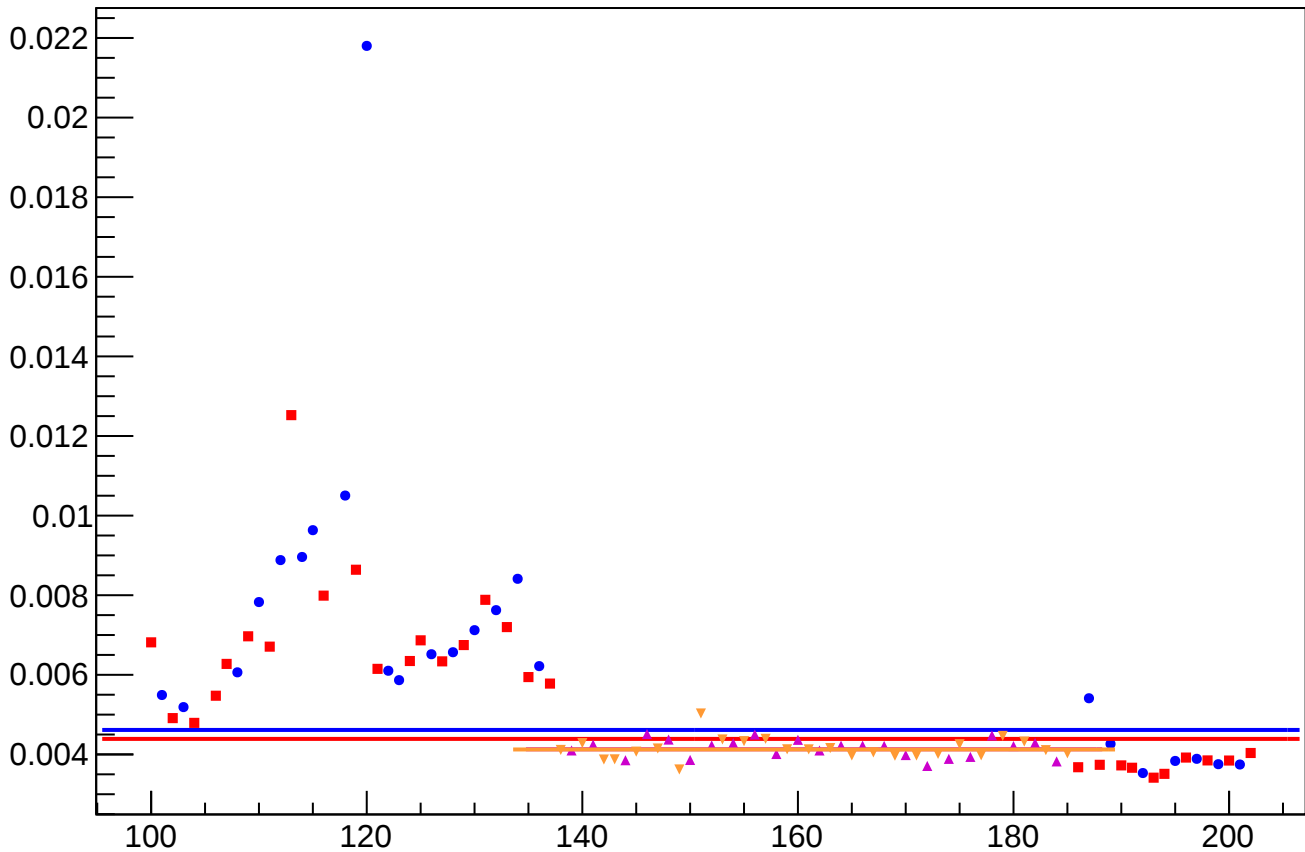
Left In: -0.532+/-0.000 χ^2 /NDF: 30715235426.8/22

+ sign -0.743+/-0.000 χ^2 /NDF: 206902864407.8/48

All: -0.776+/-0.000 χ^2 /NDF: 505677882412.7

- sign -0.807+/-0.000 χ^2 /NDF: 295808011285.5/51

yield_bpm0i05Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1898388.4/23

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1826698.7/28

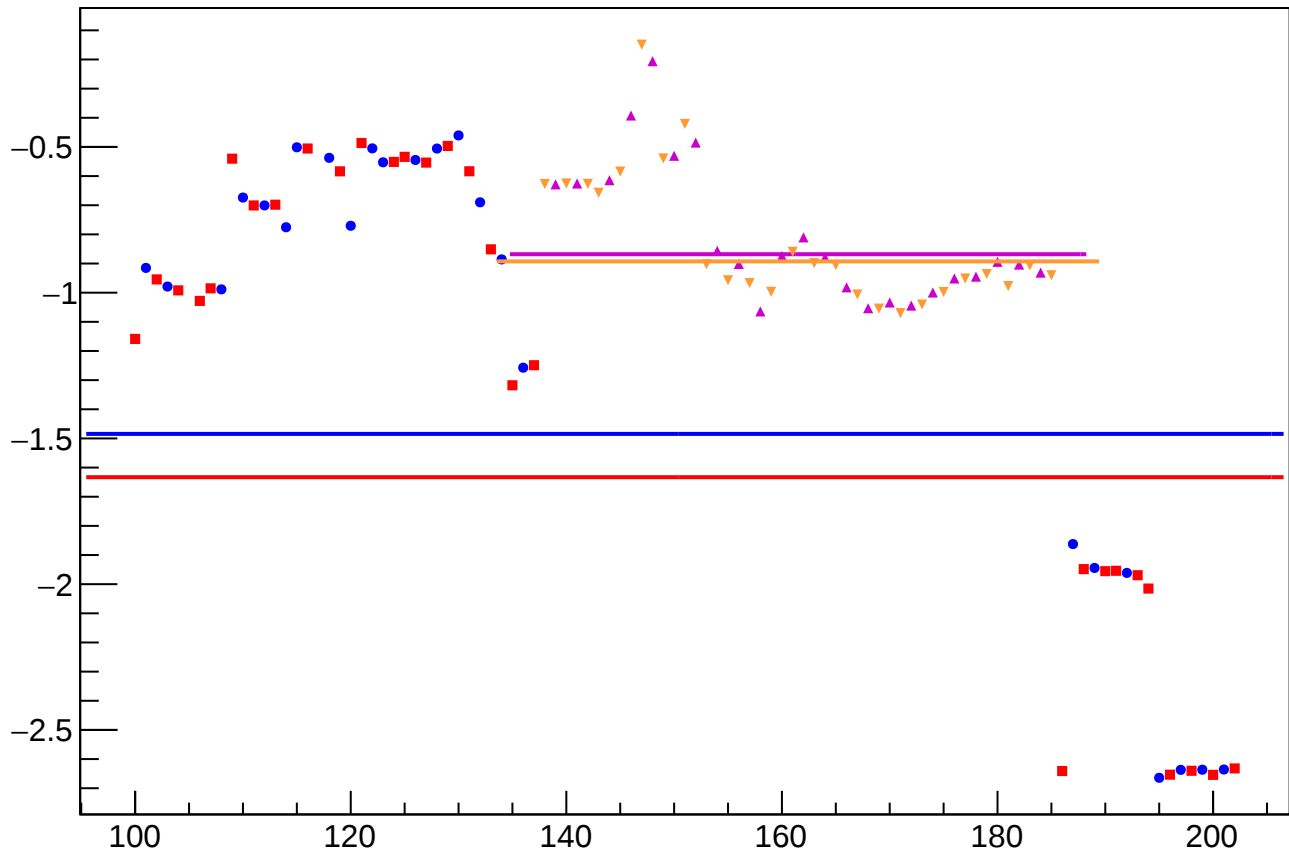
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2154760.3/48

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4125287.2/100

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1967754.0/51

yield_bpm0i07X_mean vs Slug



Right In: -1.484+/-0.000 χ^2/NDF : 200961889237.5/23

Left Out: -0.893+/-0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.633+/-0.000 χ^2/NDF : 280267222935.0/28

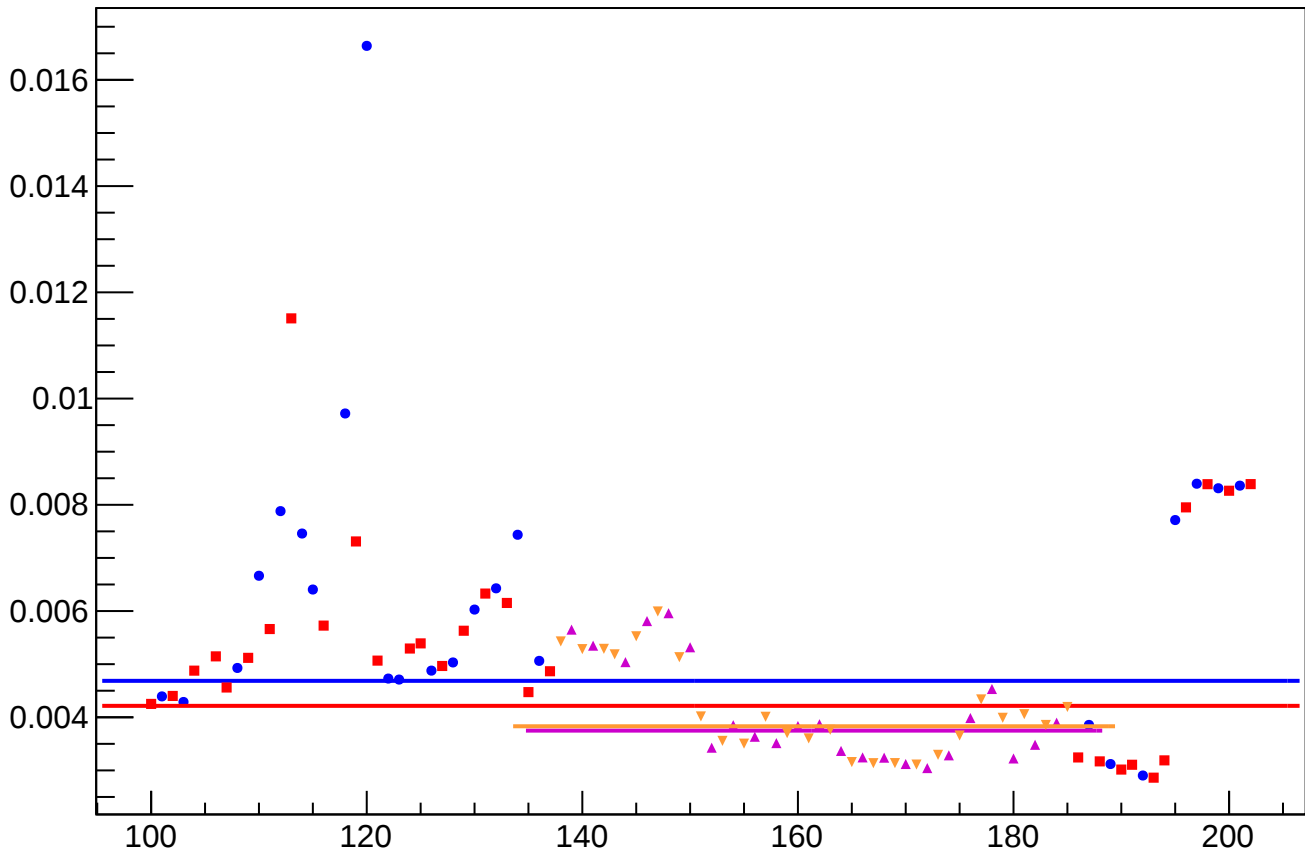
Left In: -0.868+/-0.000 χ^2/NDF : 43853190177.2/22

+ sign -1.049+/-0.000 χ^2/NDF : 346156368027.9/48

All: -1.096+/-0.000 χ^2/NDF : 906248744724.7

- 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: 2846974.1/23

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

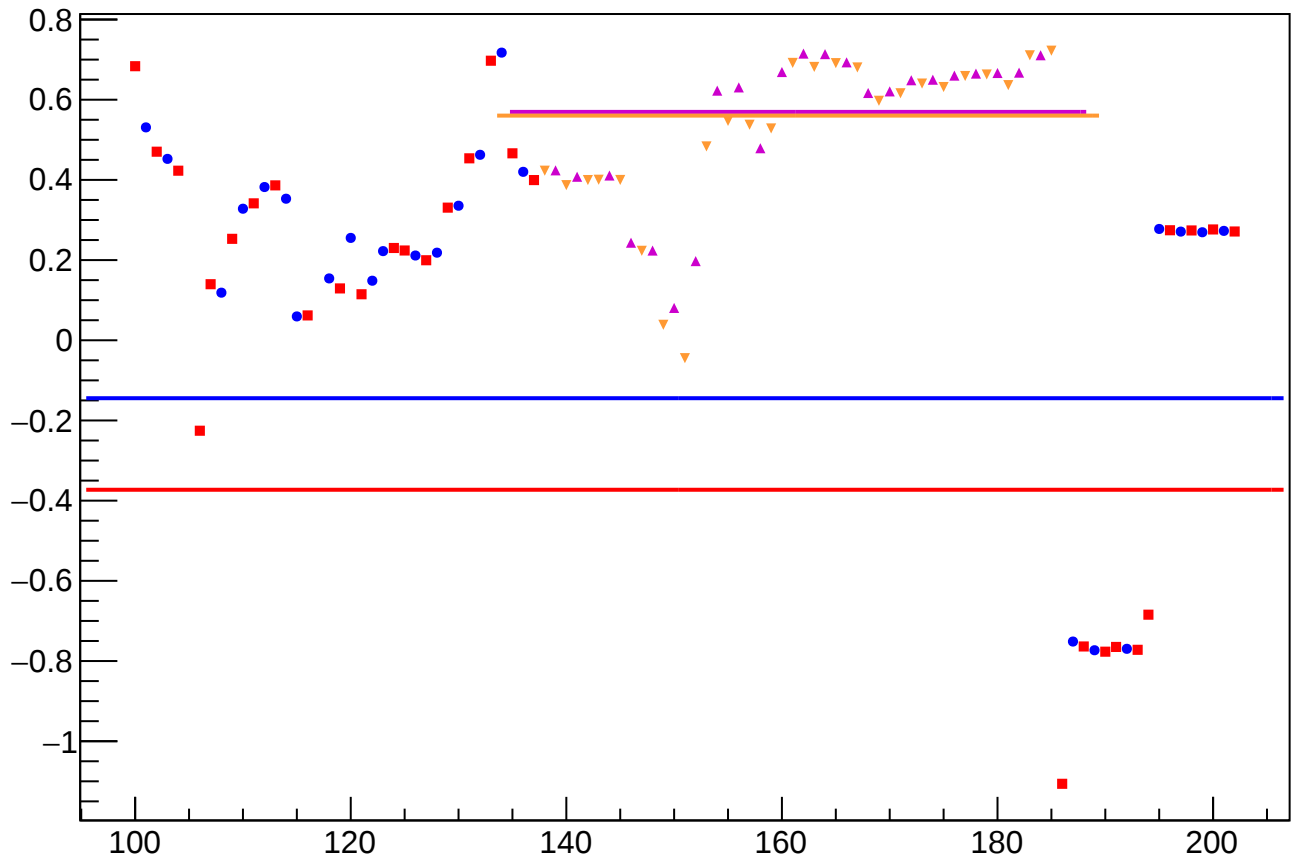
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4462853.2/48

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 9007231.2/100

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4510621.5/51

yield_bpm0i07Y_mean vs Slug



Right In: -0.144 ± 0.000 χ^2/NDF : 265763913060.9/23

Left Out: 0.560 ± 0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.373 ± 0.000 χ^2/NDF : 423720436194.7/28

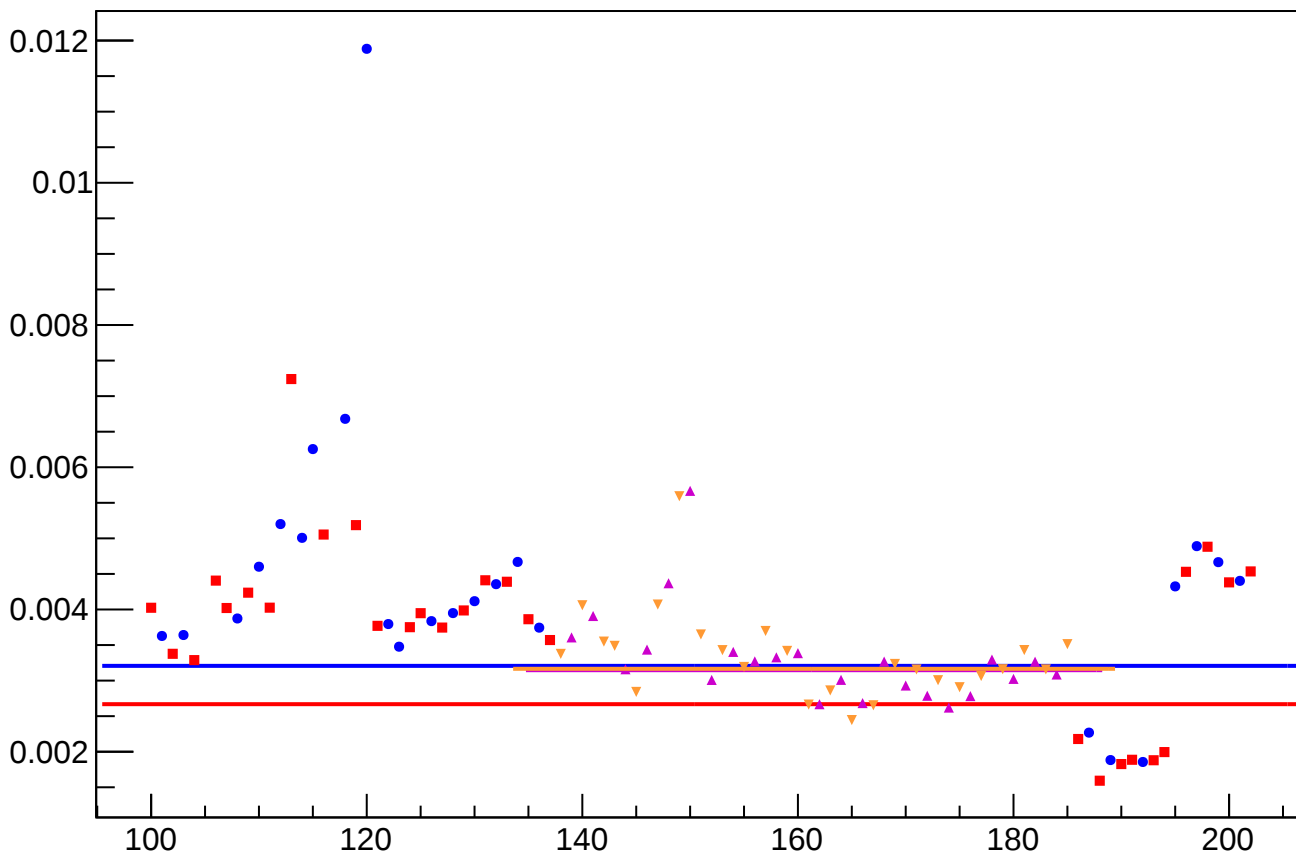
Left In: 0.570 ± 0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.313 ± 0.000 χ^2/NDF : 592916583133.6/48

All: 0.206 ± 0.000 χ^2/NDF : 1774550317682.

- sign 0.118 ± 0.000 χ^2/NDF : 1129569250459.8/51

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 2817228.7/23

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 : 3564049.0/48

All: 0.003+/-0.000 χ^2/NDF : 8718962.0/100

- sign 0.003+/-0.000 χ^2/NDF : 4966235.7/51

yield_bpm1i02X_mean vs Slug



Right In: -0.013 ± 0.000 χ^2/NDF : 5722218088.9/23

Left Out: -2.182 ± 0.000 χ^2/NDF : 4008829567.0/24

Right Out: -0.005 ± 0.000 χ^2/NDF : 6861828982.8/28

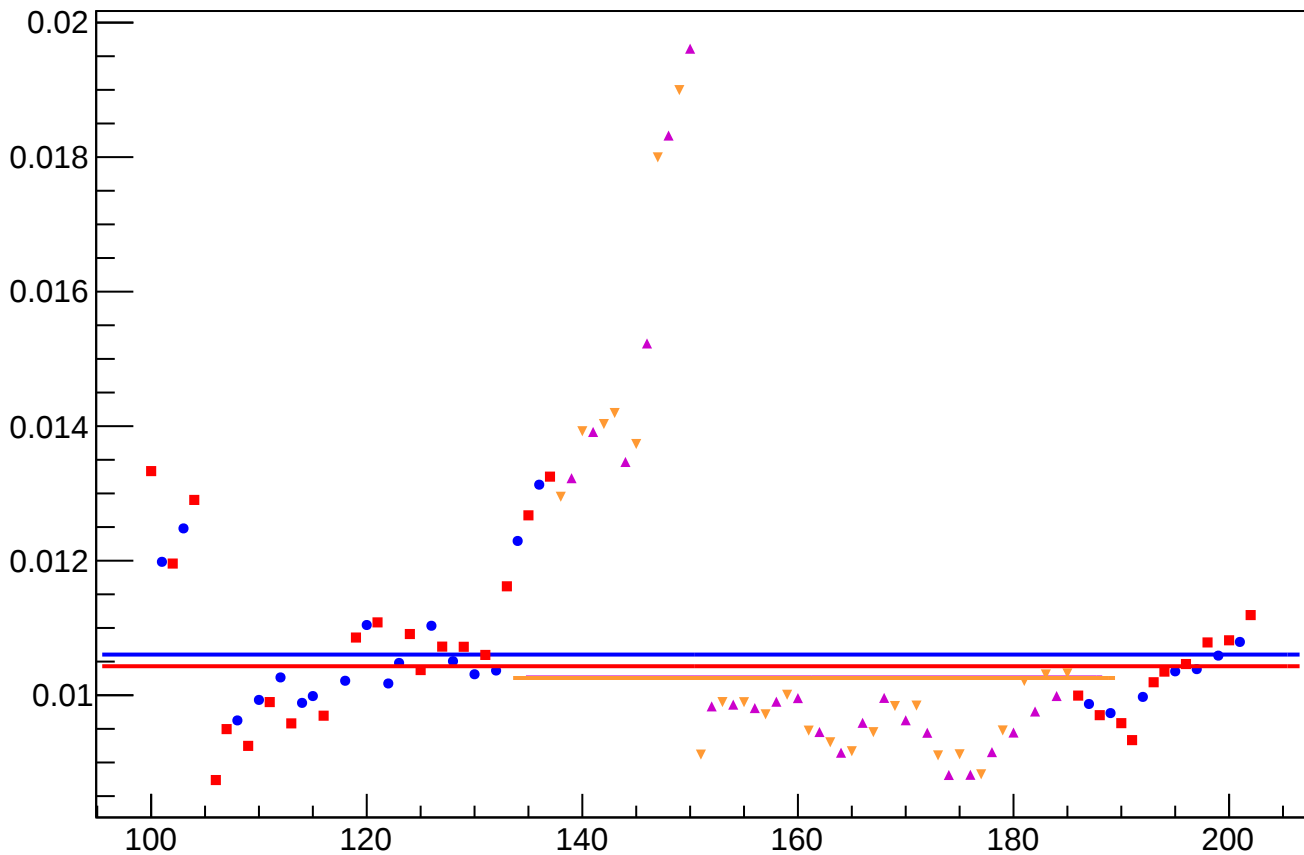
Left In: -2.185 ± 0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.369 ± 0.000 χ^2/NDF : 305323010270.7/48

All: -1.298 ± 0.000 χ^2/NDF : 645639723548.5

- 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 : 149206.2/23

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 214545.5/28

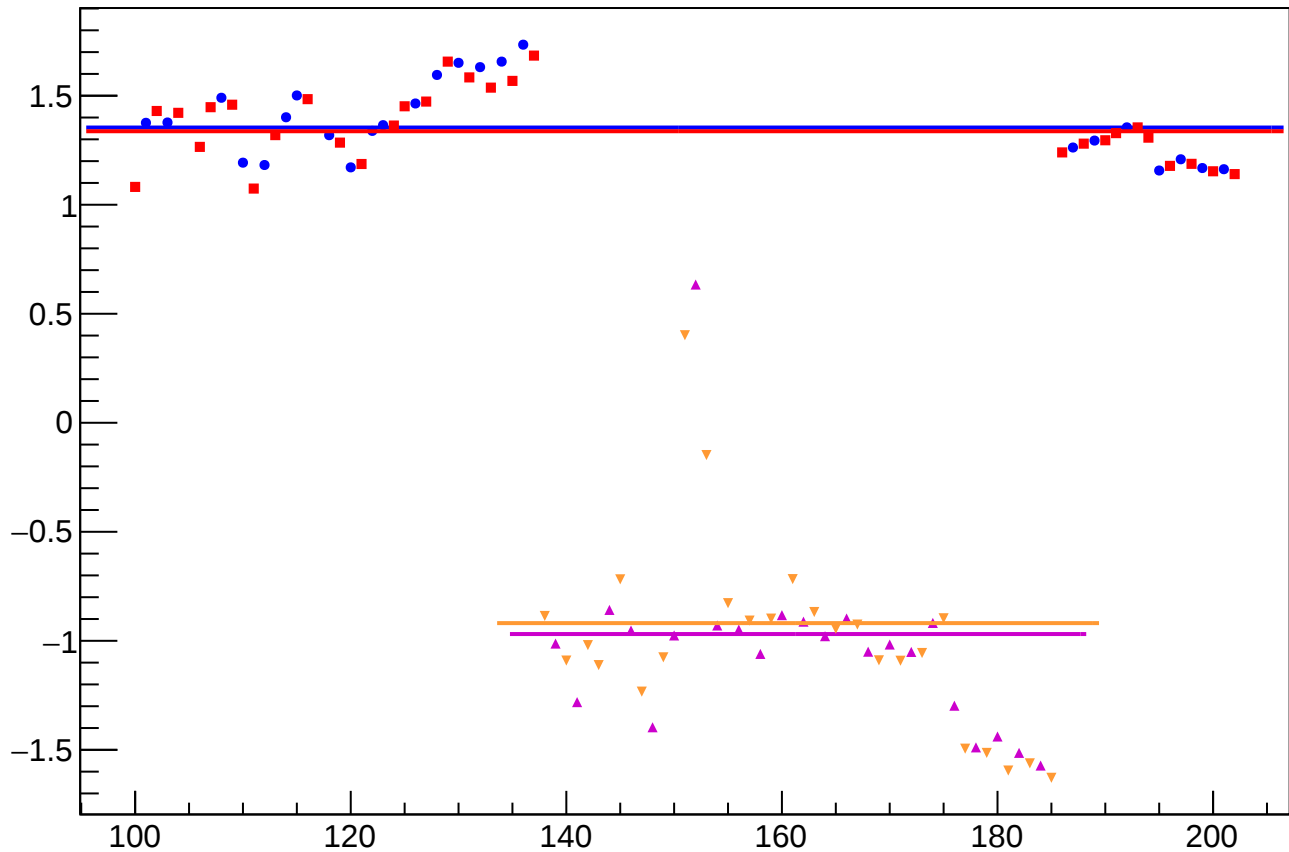
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1435073.5/48

All: 0.010+/-0.000 χ^2/NDF : 2994371.8/100

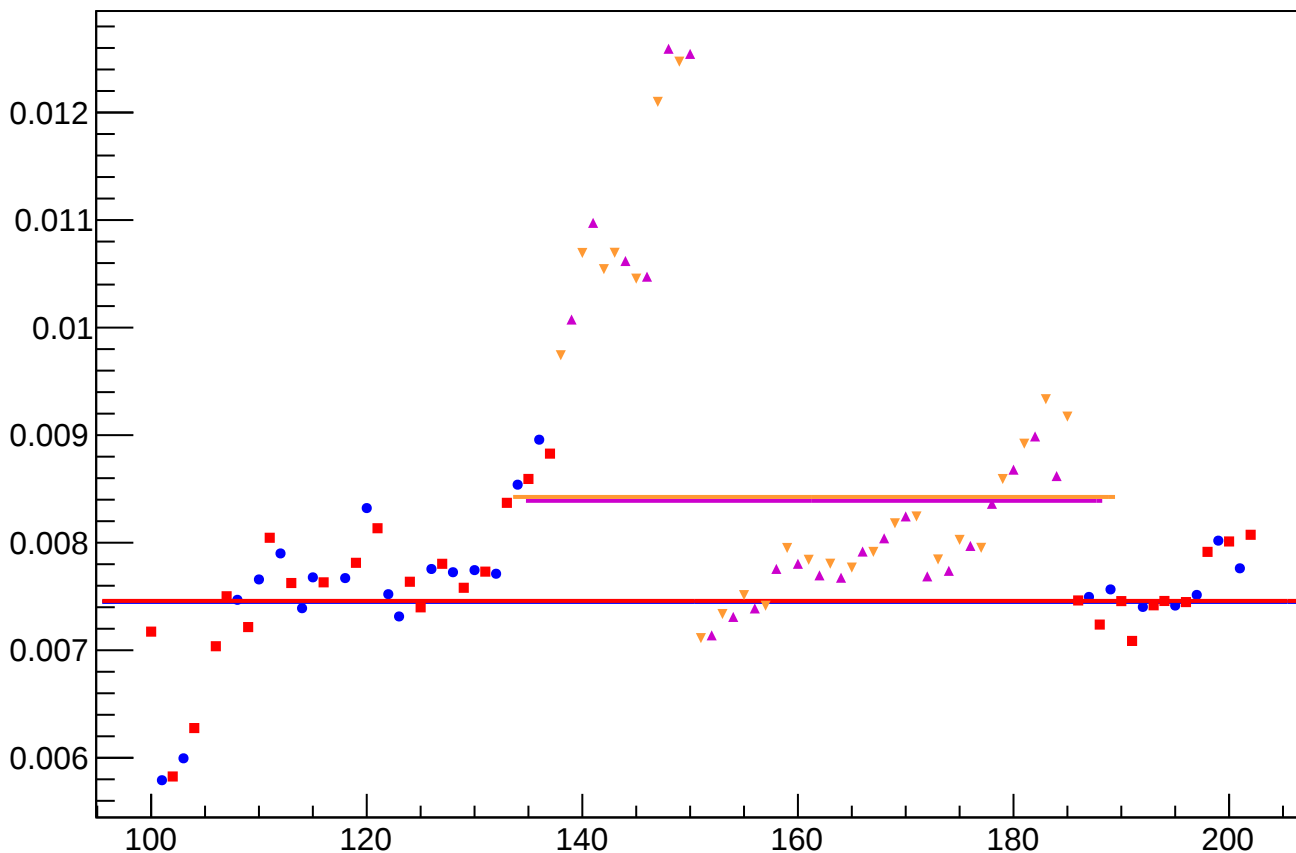
- sign 0.010+/-0.000 χ^2/NDF : 1558635.7/51

yield_bpm1i02Y_mean vs Slug



Right In: 1.354+/-0.000	χ^2/NDF : 6158841645.6/23	+ sign 0.094+/-0.000	χ^2/NDF : 641928687630.5/48
Left Out: -0.919+/-0.000	χ^2/NDF : 55622252895.8/24	All: 0.140+/-0.000	χ^2/NDF : 1340809984607.
Right Out: 1.337+/-0.000	χ^2/NDF : 5010938715.4/28	- sign 0.185+/-0.000	χ^2/NDF : 696940358648.4/51
Left In: -0.969+/-0.000	χ^2/NDF : 54895002535.8/22		

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 242750.4/23

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

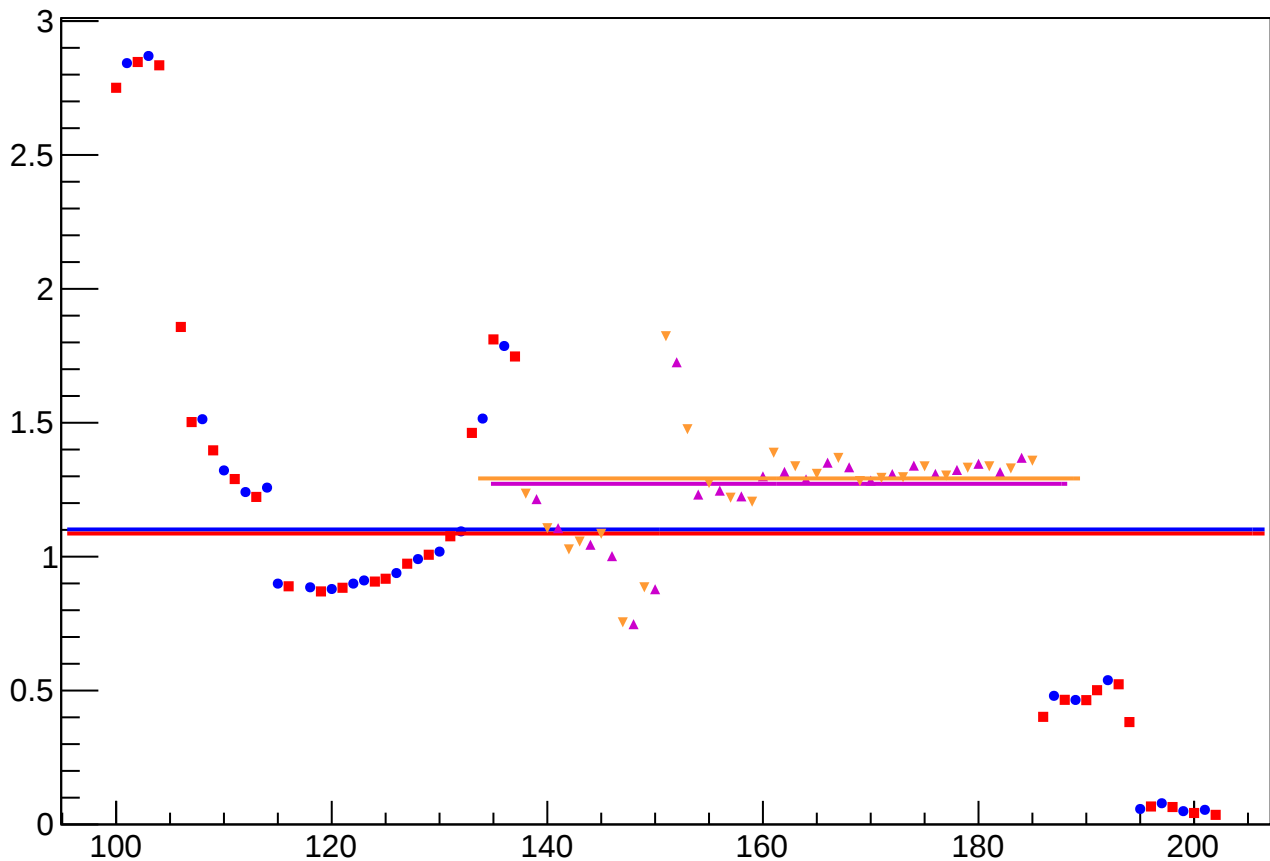
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1249087.7/48

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2495269.7/100

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1244099.0/51

yield_bpm1i04X_mean vs Slug



Right In: 1.102 $\pm$ 0.000 χ^2 /NDF: 100833709006.7/23

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

+ sign 1.213 $\pm$ 0.000 χ^2 /NDF: 114115526372.2/48

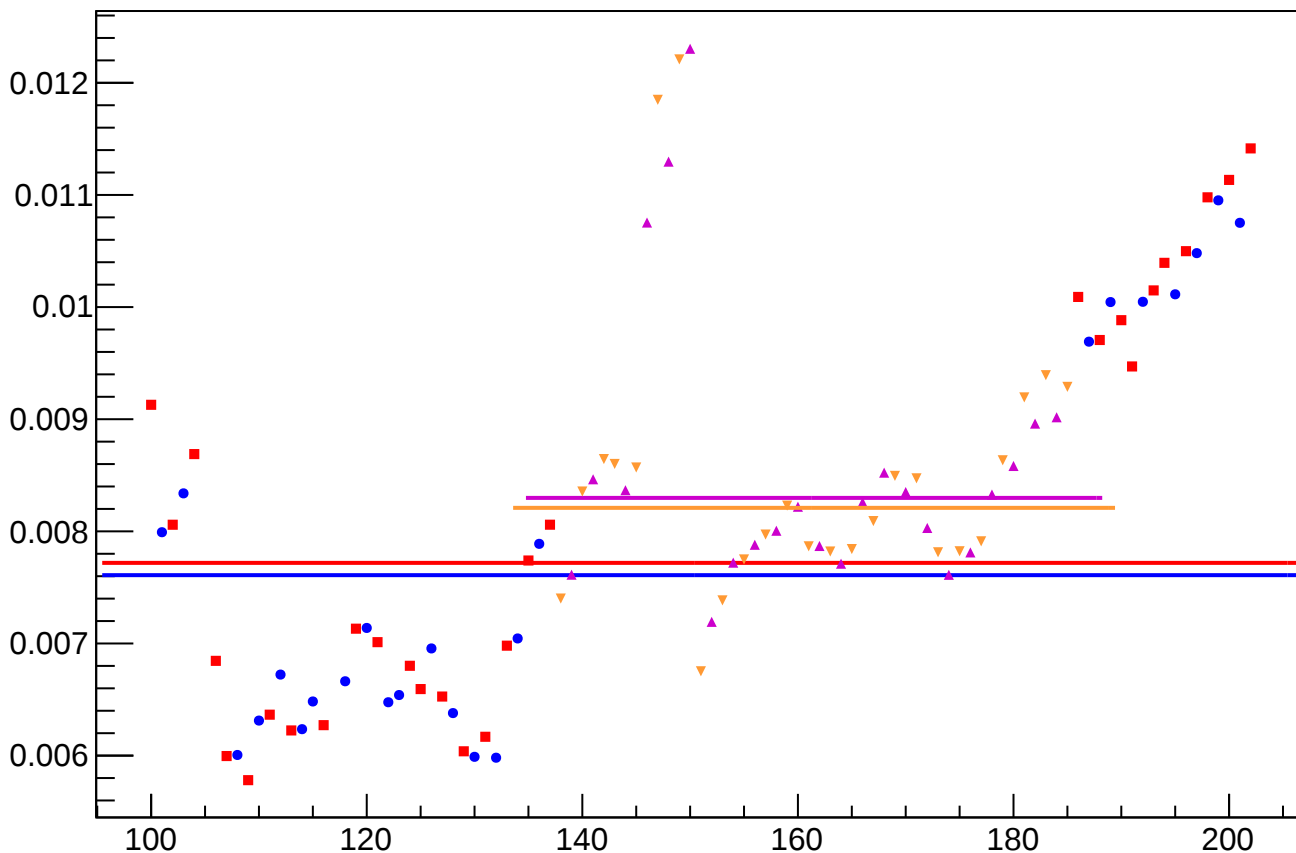
Right Out: 1.086 $\pm$ 0.000 χ^2 /NDF: 103904113913.5/28

All: 1.199 $\pm$ 0.000 χ^2 /NDF: 229691422747.2

- sign 1.185 $\pm$ 0.000 χ^2 /NDF: 115403486620.8/51

Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

yield_bpm1i04X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1039400.6/23

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

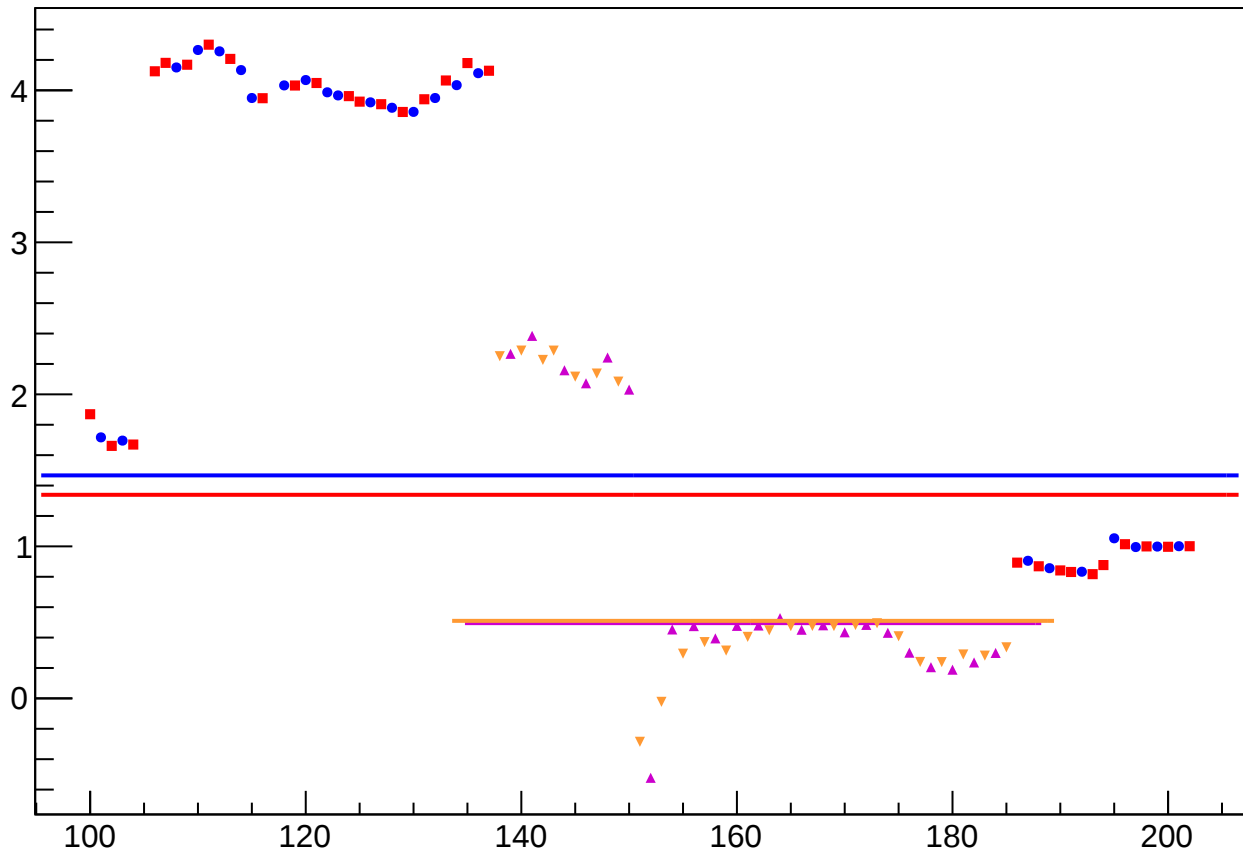
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1597159.1/48

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3523792.3/100

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1924554.1/51

yield_bpm1i04Y_mean vs Slug



Right In: 1.467+/-0.000 χ^2/NDF : 1404841889482.5/23

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.339+/-0.000 χ^2/NDF : 1654212851424.9/28

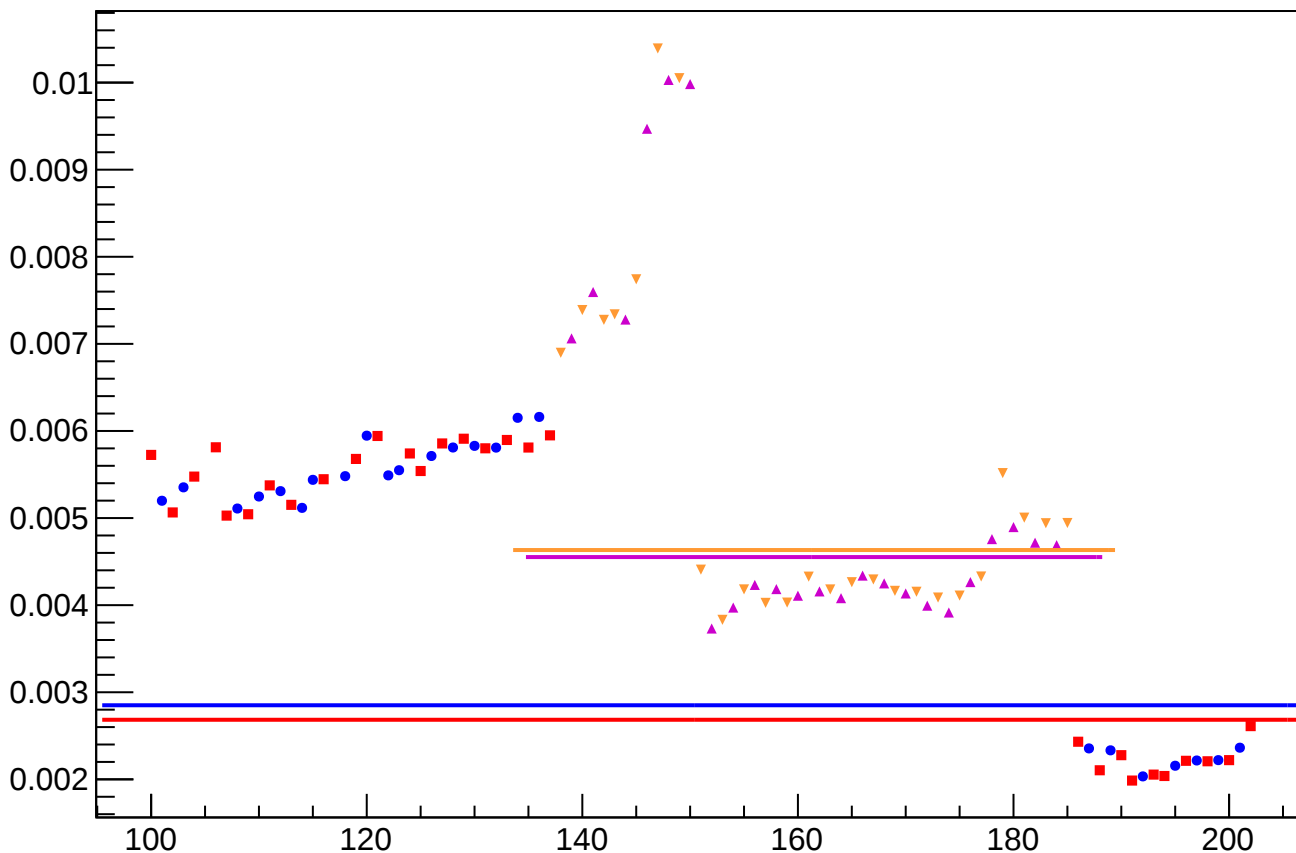
Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.074+/-0.000 χ^2/NDF : 2098585737383.2/48

All: 1.063+/-0.000 χ^2/NDF : 4380026867822.0

- 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 : 3999129.5/23

Left Out: 0.005+/-0.000 χ^2/NDF :2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4410933.6/28

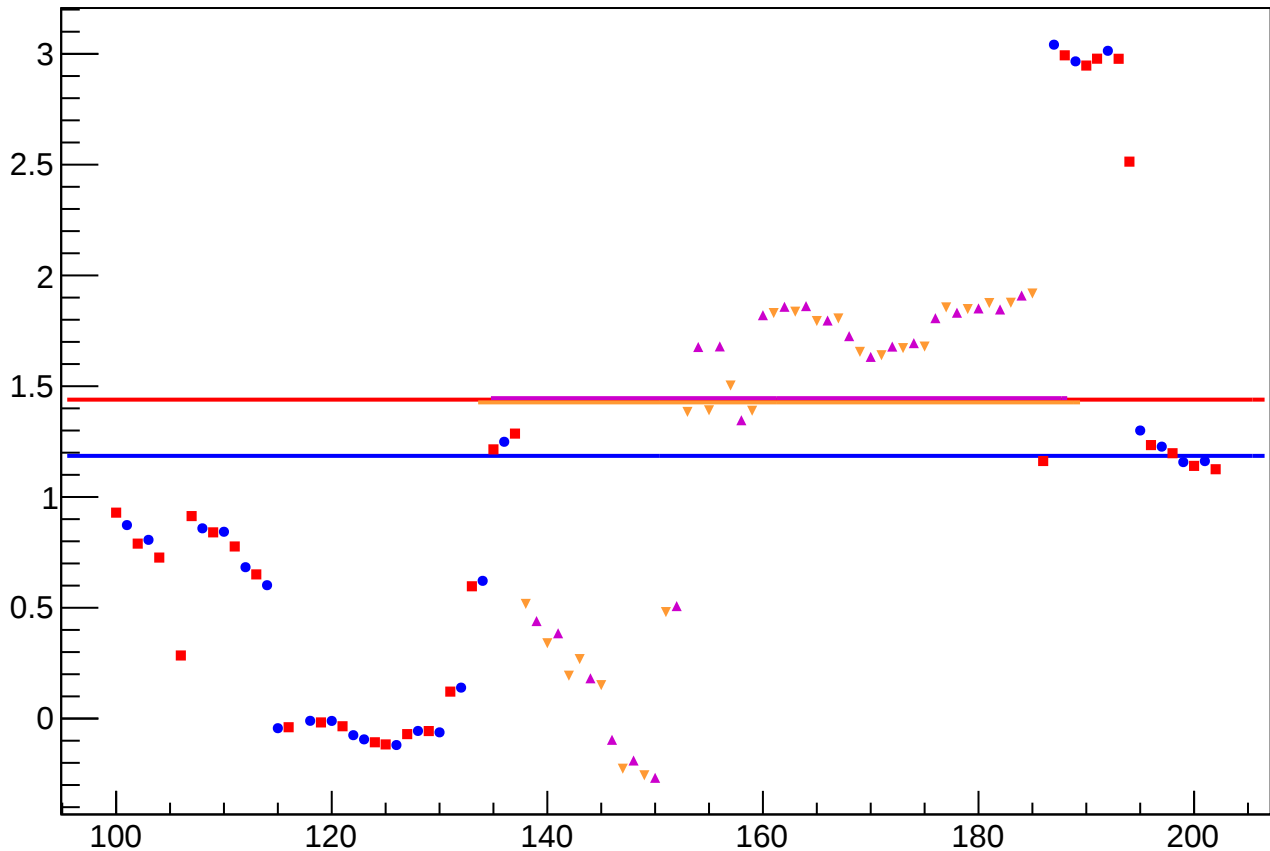
Left In: 0.005+/-0.000 χ^2/NDF :2237666.9/22

+ sign 0.004+/-0.000 χ^2/NDF : 9019702.4/48

All: 0.003+/-0.000 χ^2/NDF : 19322946.0/100

- sign 0.003+/-0.000 χ^2/NDF : 10154513.4/51

yield_bpm1i06X_mean vs Slug



Right In: 1.186+/-0.000 χ^2/NDF : 72605173055.6/23

Left Out: 1.427+/-0.000 χ^2/NDF : 49990787038.3/24

Right Out: 1.439+/-0.000 χ^2/NDF : 98892735836.4/28

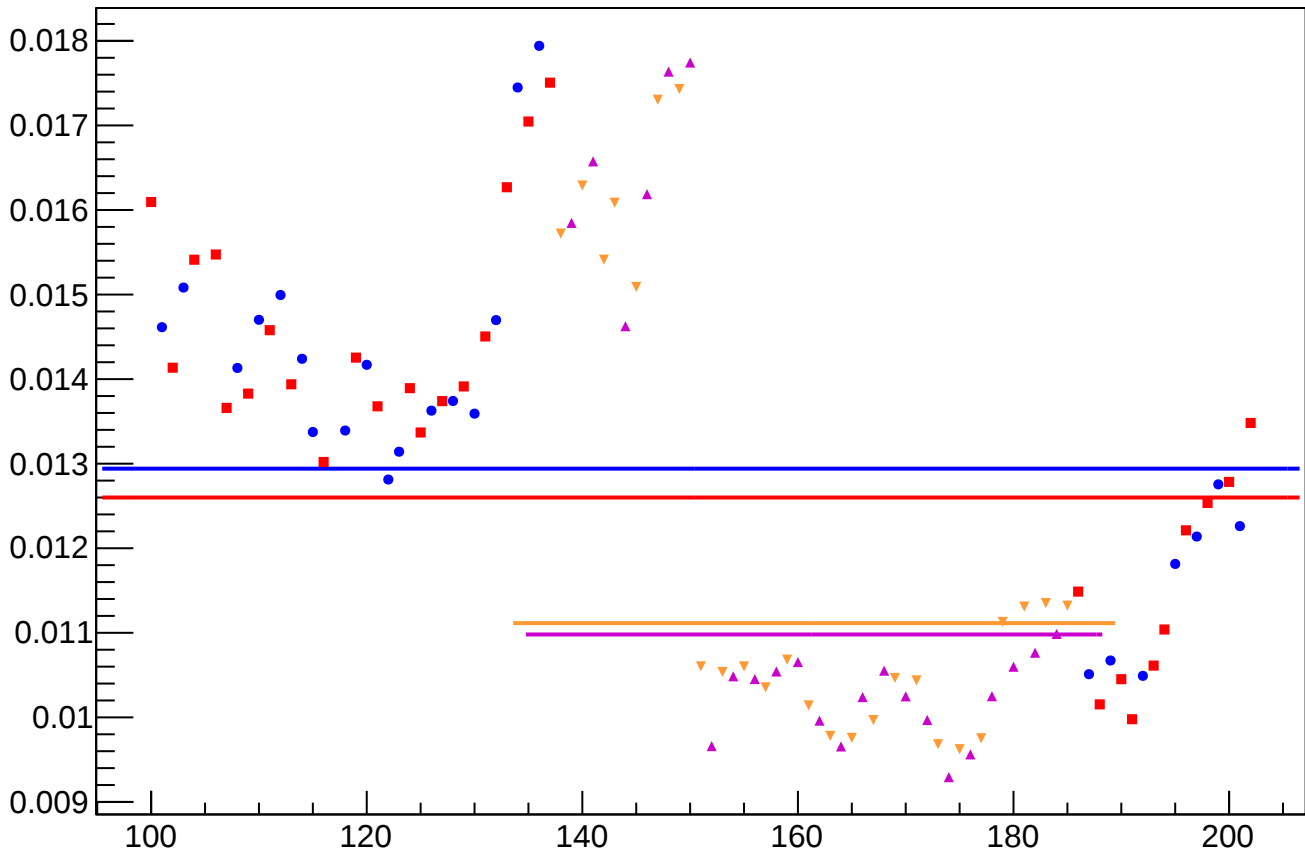
Left In: 1.446+/-0.000 χ^2/NDF : 53752493130.3/22

+ sign 1.350+/-0.000 χ^2/NDF : 125229817691.6/48

All: 1.398+/-0.000 χ^2/NDF : 278808523531.6

- sign 1.444+/-0.000 χ^2/NDF : 152647567214.5/51

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 434684.7/23

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 553075.6/28

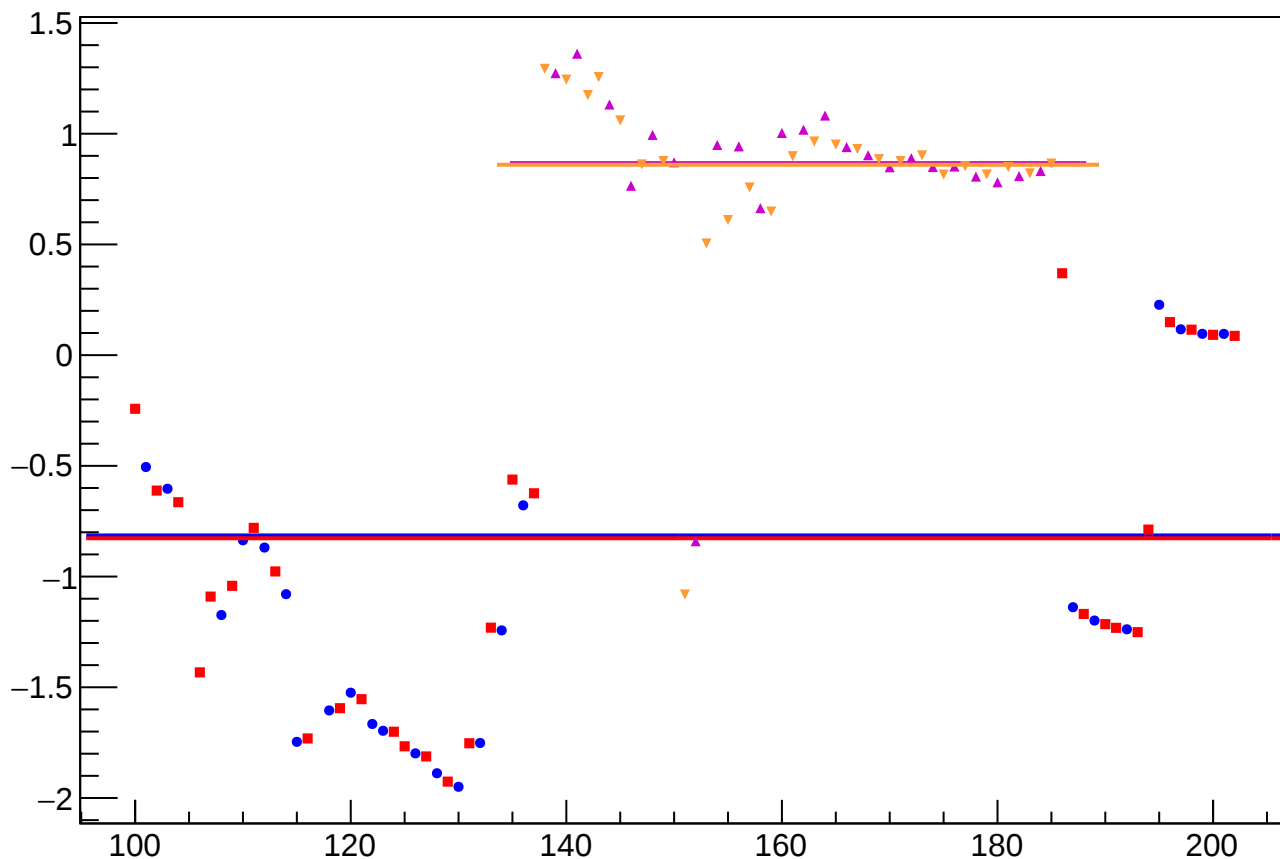
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 1963754.6/48

All: 0.012+/-0.000 χ^2/NDF : 4053471.6/100

- sign 0.012+/-0.000 χ^2/NDF : 2087131.2/51

yield_bpm1i06Y_mean vs Slug



Right In: -0.814 ± 0.000 χ^2/NDF : 138047676138.0/23

Left Out: 0.860 ± 0.000 χ^2/NDF : 126335891175.4/24

Right Out: -0.827 ± 0.000 χ^2/NDF : 132072113054.4/28

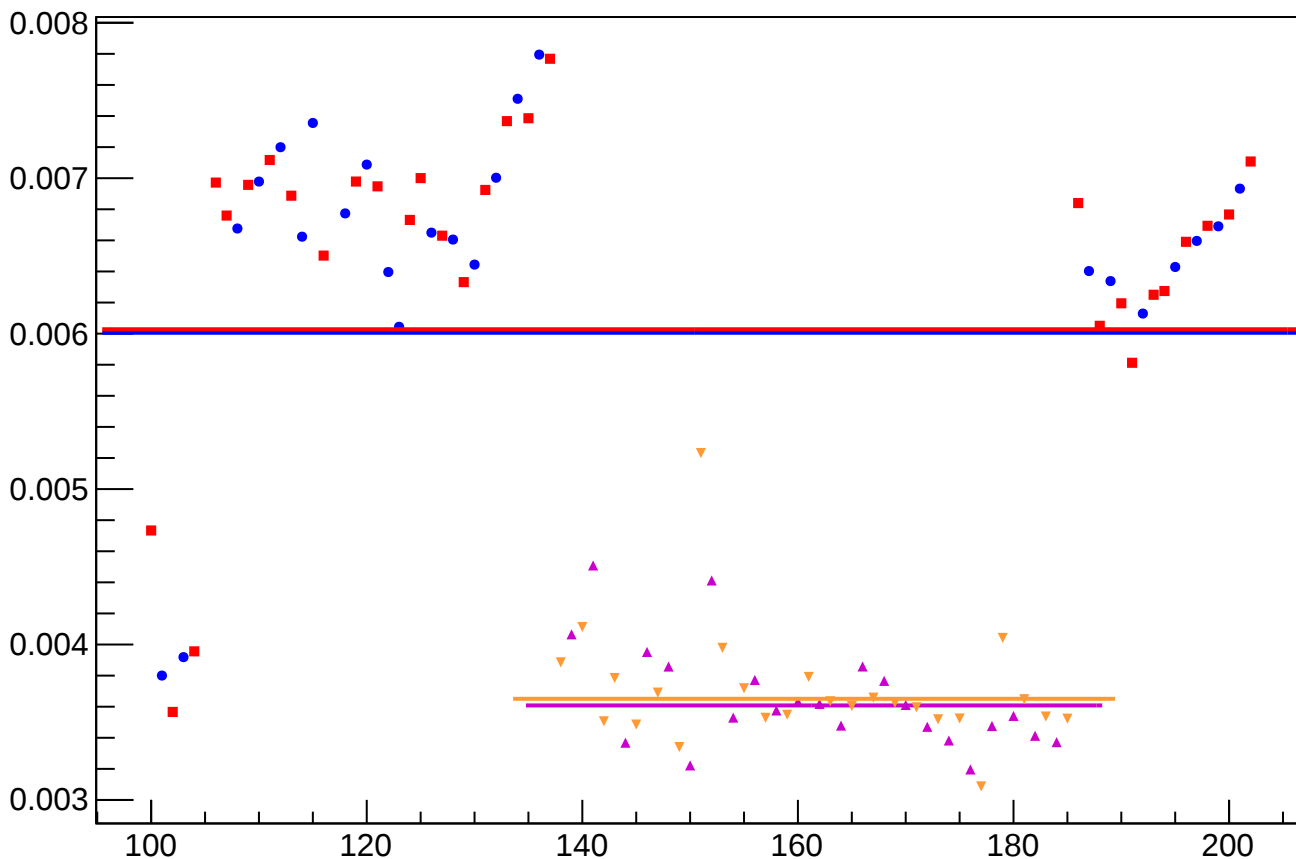
Left In: 0.867 ± 0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.547 ± 0.000 χ^2/NDF : 920462691717.4/48

All: 0.522 ± 0.000 χ^2/NDF : 1957670910326.

- sign 0.497 ± 0.000 χ^2/NDF : 1035293033635.6/51

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 934199.4/23

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

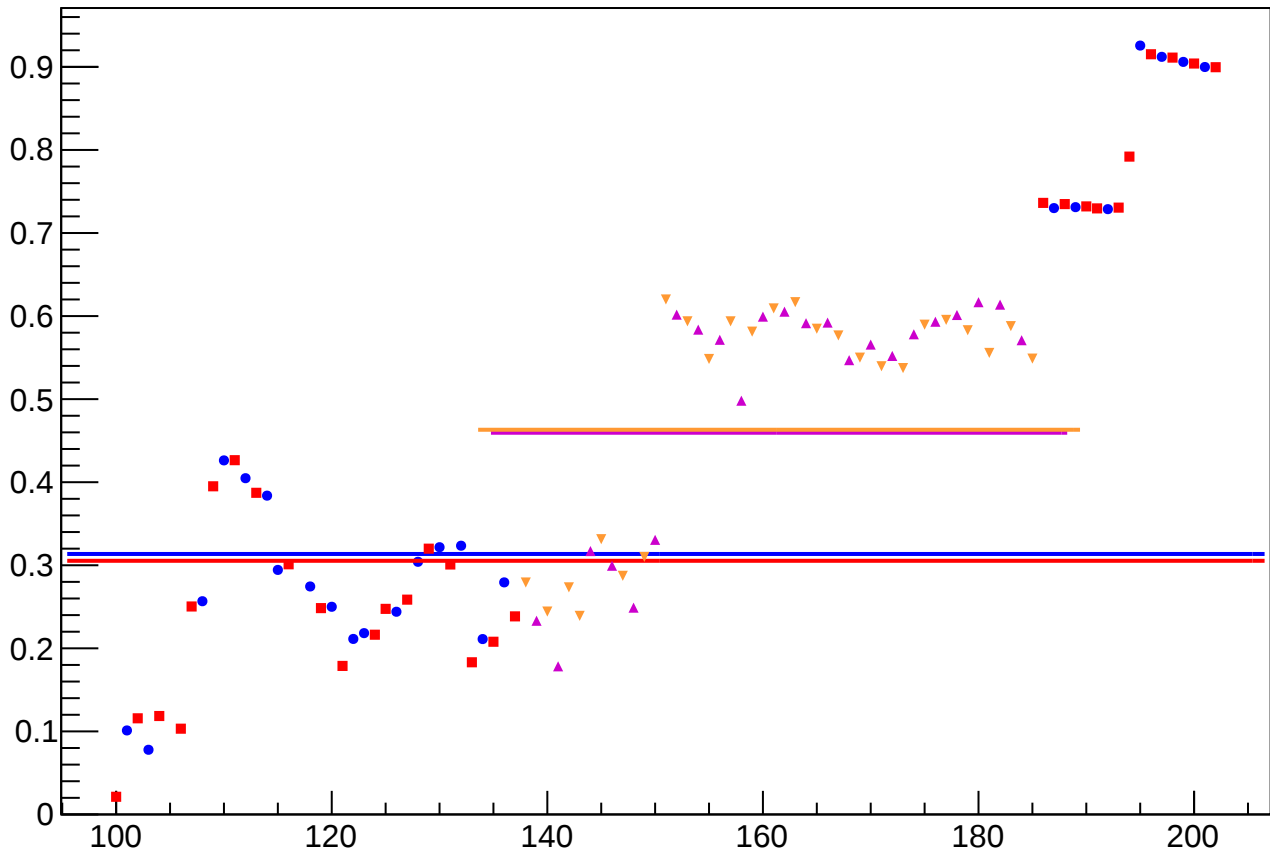
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3767584.0/48

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 8128209.3/100

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4357392.1/51

yield_bpm2i01X_mean vs Slug



Right In: 0.314 $\pm$ 0.000 χ^2 /NDF: 106923334087.5/23

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

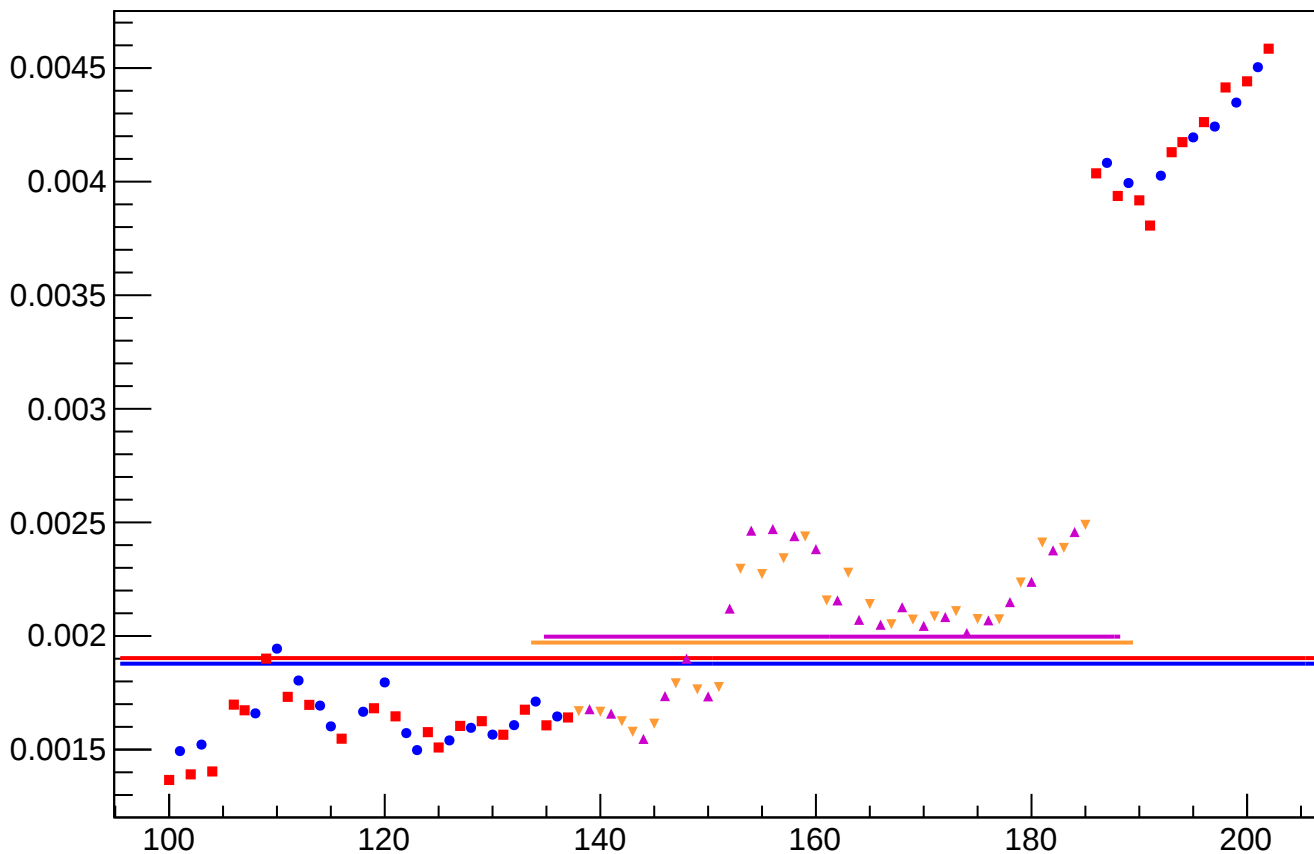
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF: 104559088628.4/22

+ sign 0.408 $\pm$ 0.000 χ^2 /NDF: 247476584406.6/48

All: 0.401 $\pm$ 0.000 χ^2 /NDF: 529801543573.2

- sign 0.394 $\pm$ 0.000 χ^2 /NDF: 281669310057.4/51

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3269728.5/23

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 4408302.8/28

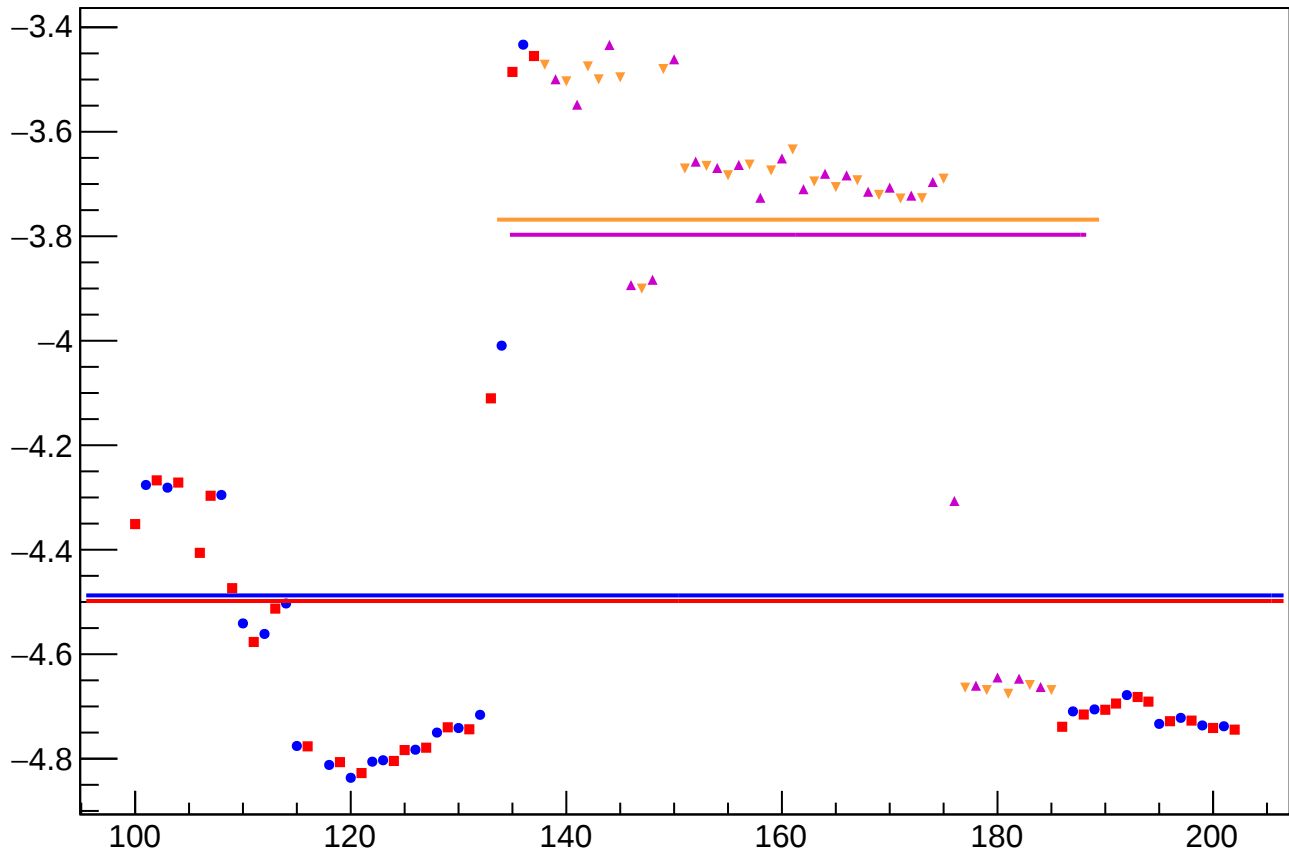
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 4029344.2/48

All: 0.002+/-0.000 χ^2/NDF : 9138778.7/100

- sign 0.002+/-0.000 χ^2/NDF : 5106365.4/51

yield_bpm2i01Y_mean vs Slug



Right In: -4.487+/-0.000 χ^2/NDF : 421473333365.1/23

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.498+/-0.000 χ^2/NDF : 362295866489.5/28

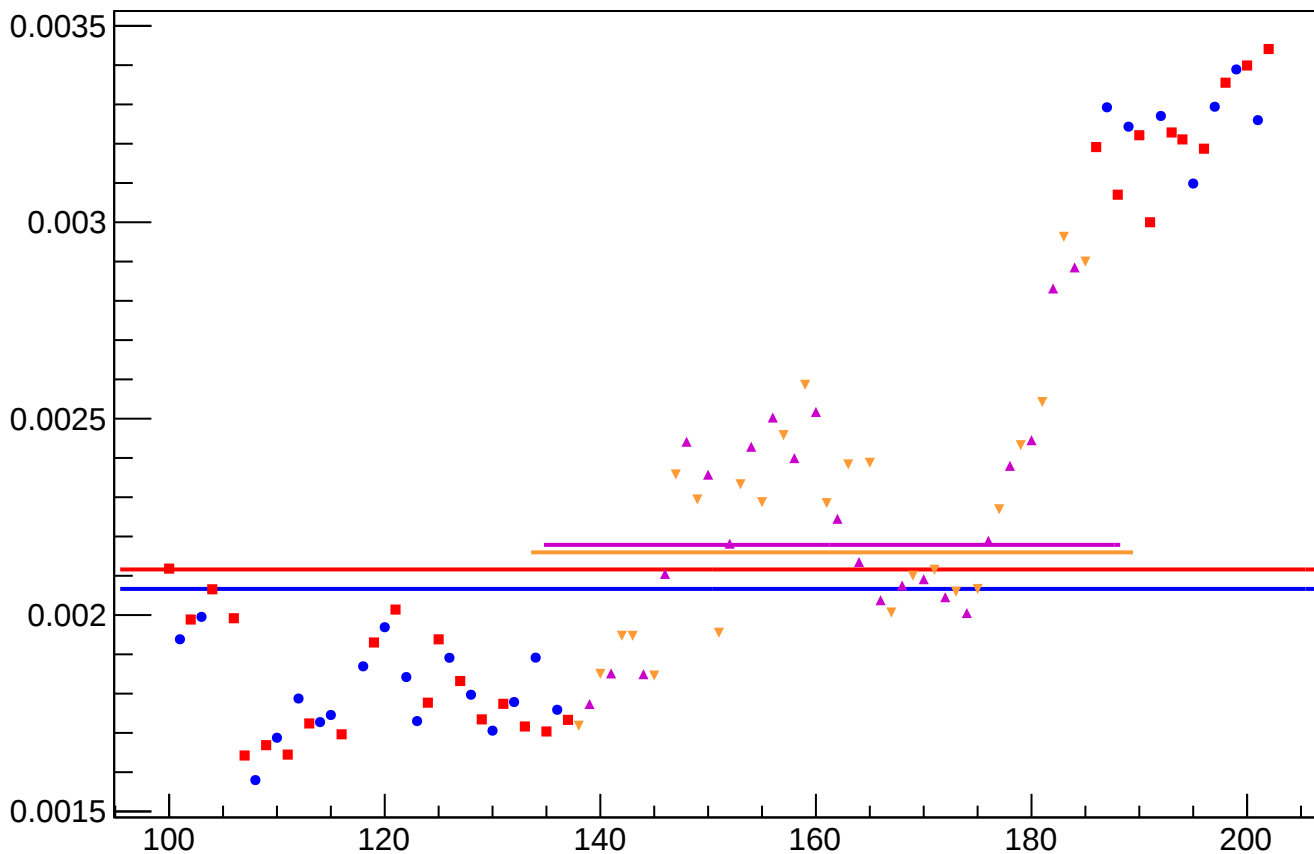
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.048+/-0.000 χ^2/NDF : 1706473658356.4/4

All: -4.075+/-0.000 χ^2/NDF : 3280496140632

- 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: 1575354.9/23

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

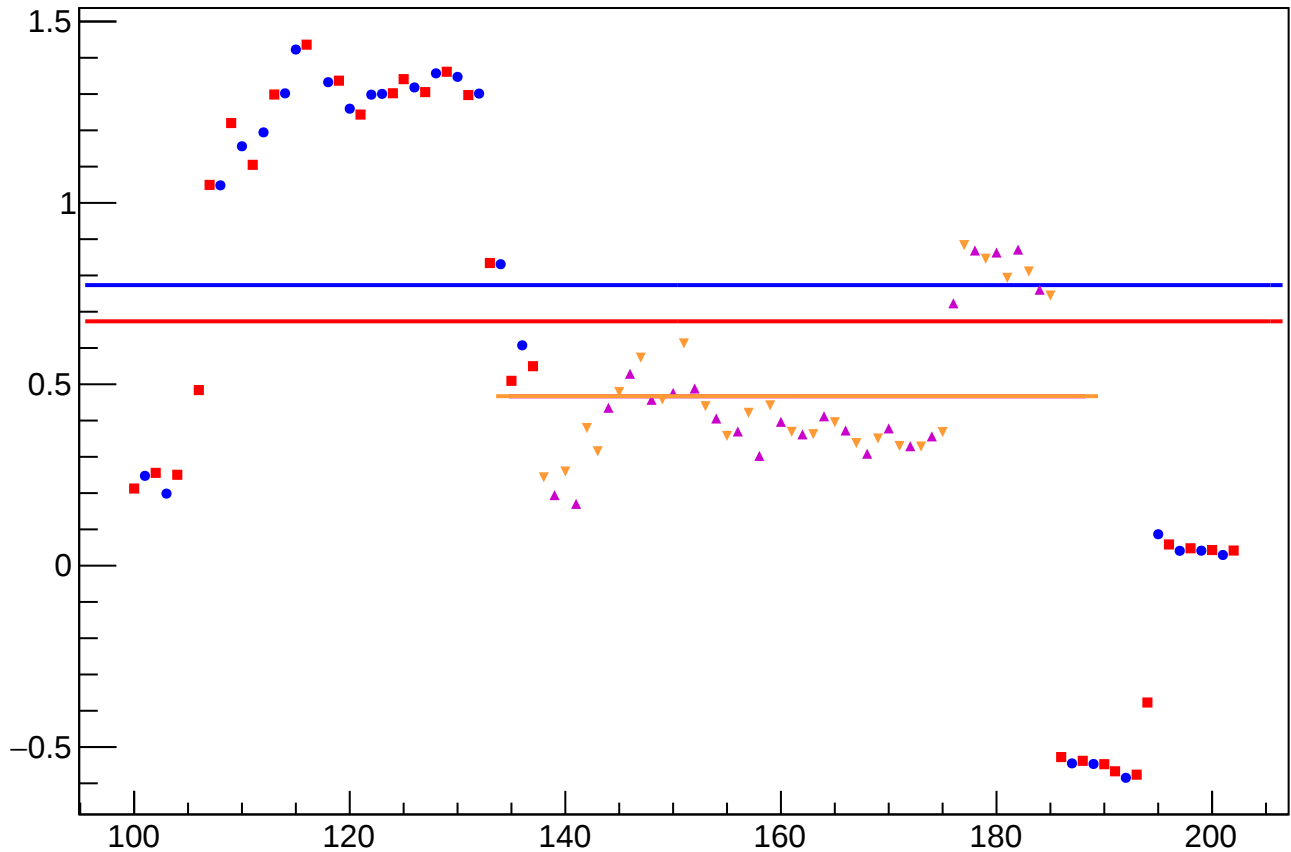
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2148906.9/48

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 4672071.8/100

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2518211.0/51

yield_bpm2i02X_mean vs Slug



Right In: 0.773 $\pm$ 0.000 χ^2 /NDF: 67667854106.4/23

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

+ sign 0.601 $\pm$ 0.000 χ^2 /NDF: 83554012826.7/48

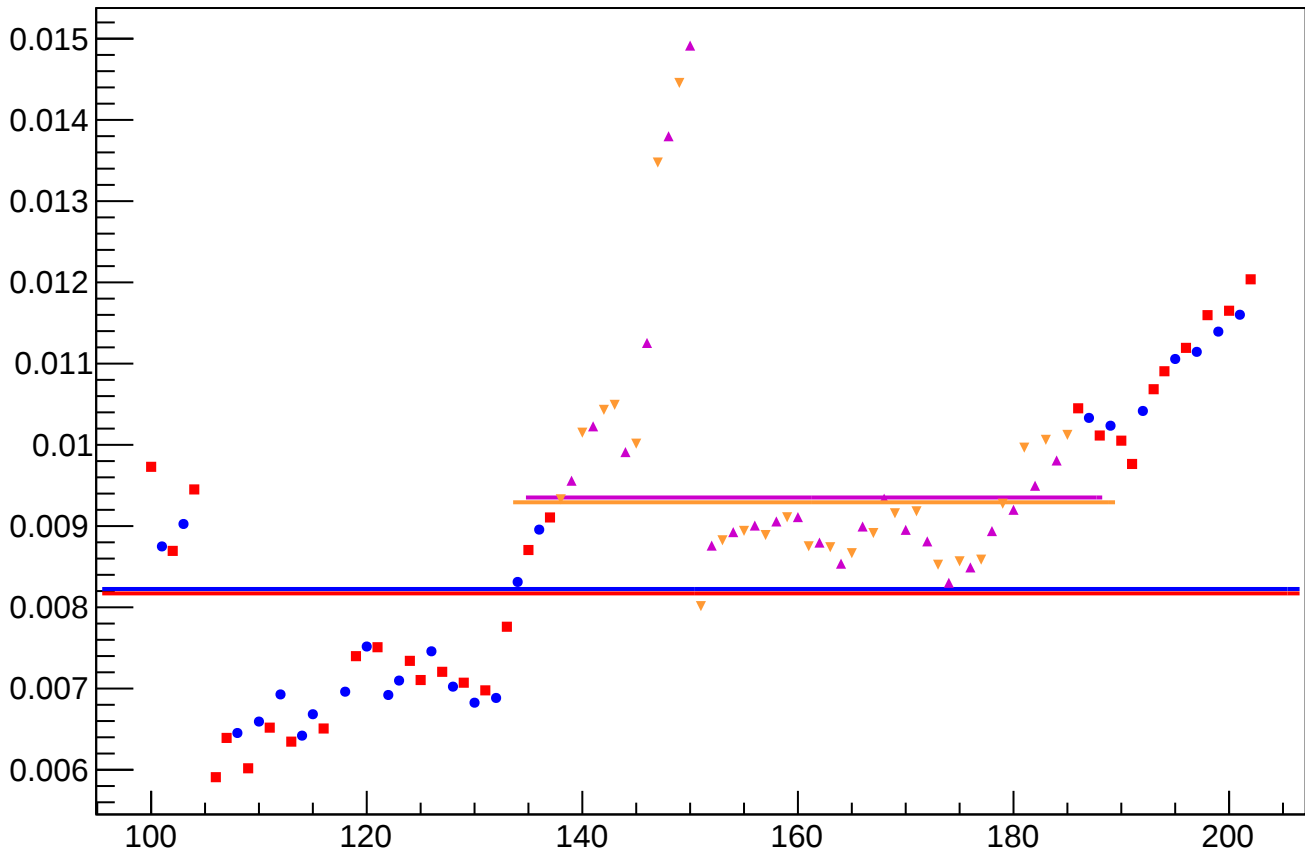
Right Out: 0.674 $\pm$ 0.000 χ^2 /NDF: 91938427897.6/28

All: 0.585 $\pm$ 0.000 χ^2 /NDF: 187829660340.5

- sign 0.569 $\pm$ 0.000 χ^2 /NDF: 104092109077.0/51

Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

yield_bpm2i02X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 968660.5/23

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:528279.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1400913.0/28

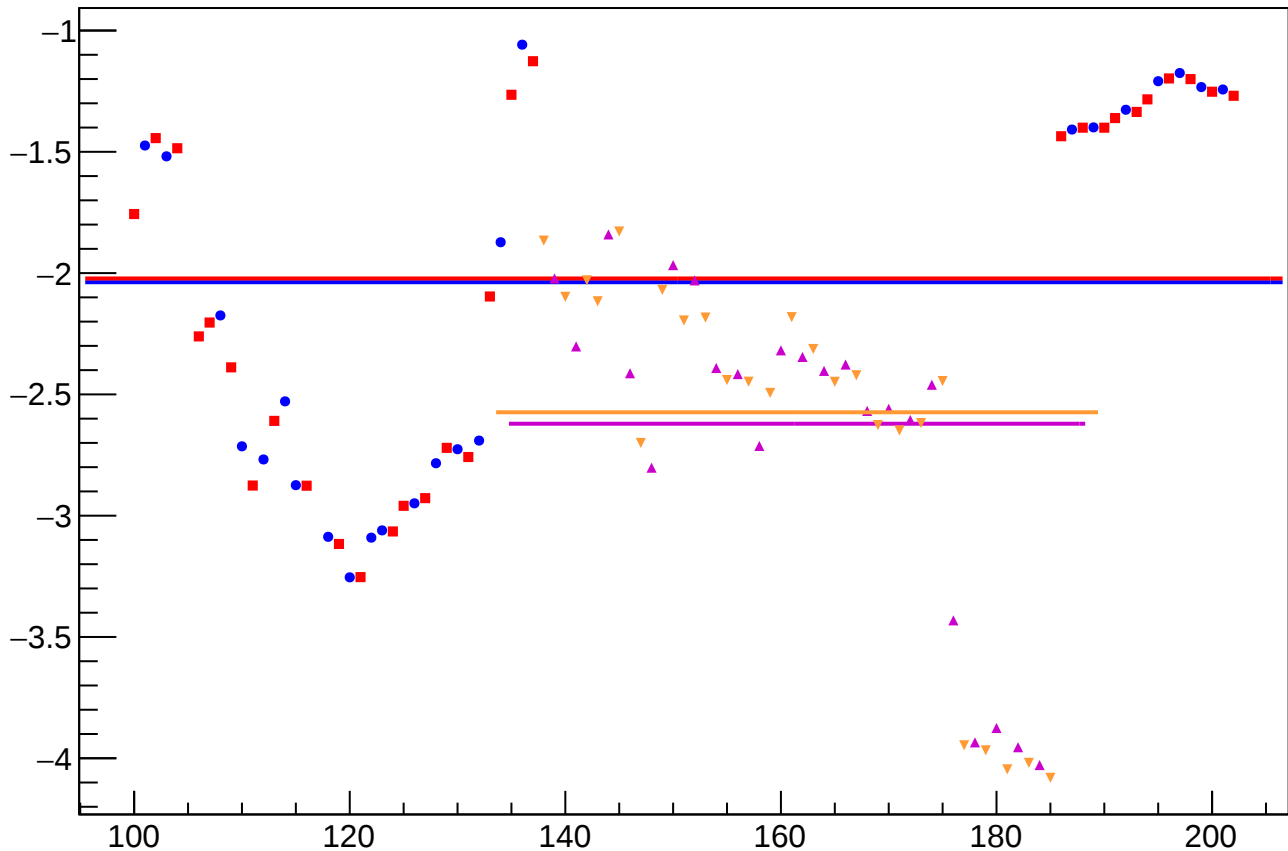
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:557555.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1704122.3/48

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 3932452.9/100

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2226902.3/51

yield_bpm2i02Y_mean vs Slug



Right In: -2.038 ± 0.000 $\chi^2/\text{NDF}: 112995330828.1/23$

Left Out: -2.574 ± 0.000 $\chi^2/\text{NDF}: 99176112704.9/24$

Right Out: -2.022 ± 0.000 $\chi^2/\text{NDF}: 114103812569.8/28$

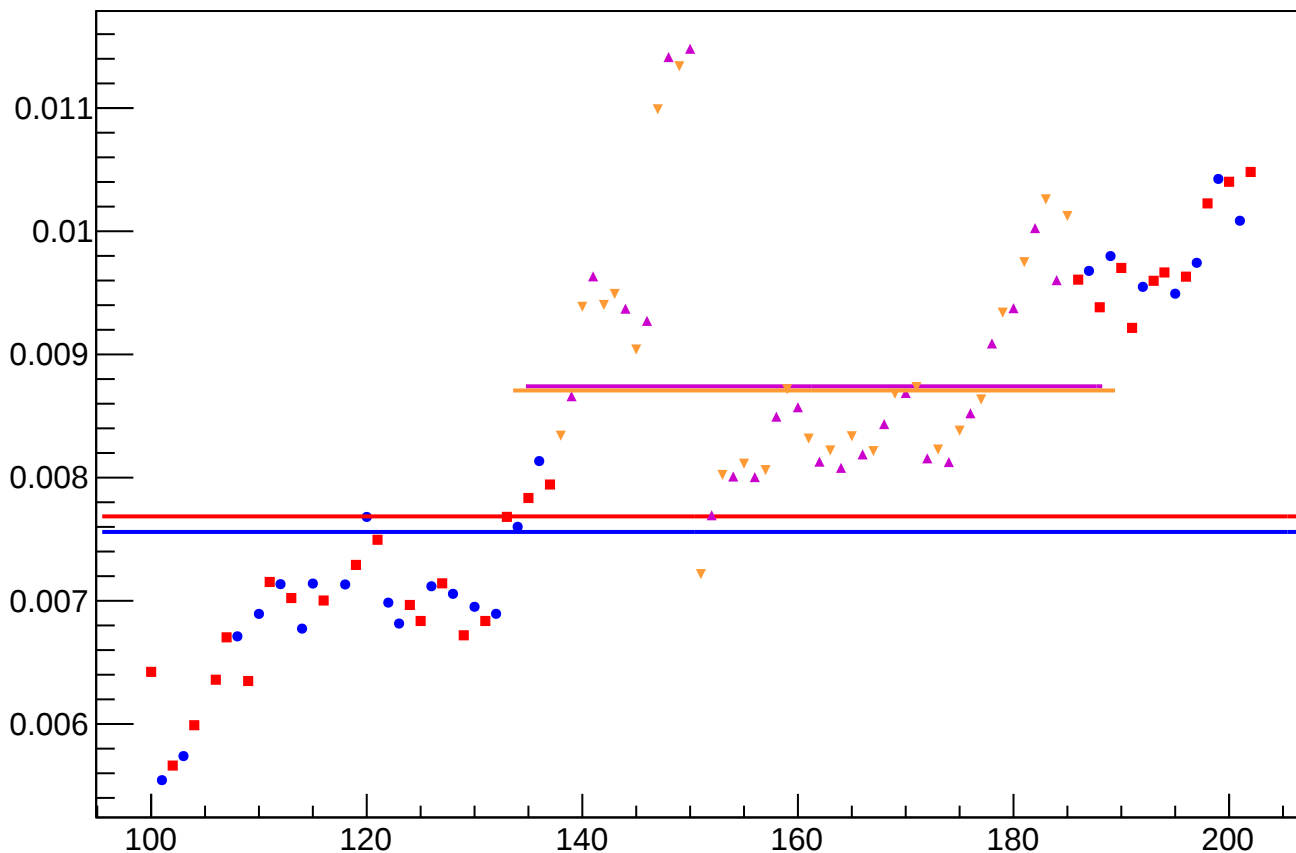
Left In: -2.621 ± 0.000 $\chi^2/\text{NDF}: 80862402796.4/22$

+ sign -2.335 ± 0.000 $\chi^2/\text{NDF}: 242817401670.7/48$

All: -2.330 ± 0.000 $\chi^2/\text{NDF}: 477598520071.0$

- 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: 844931.9/23

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

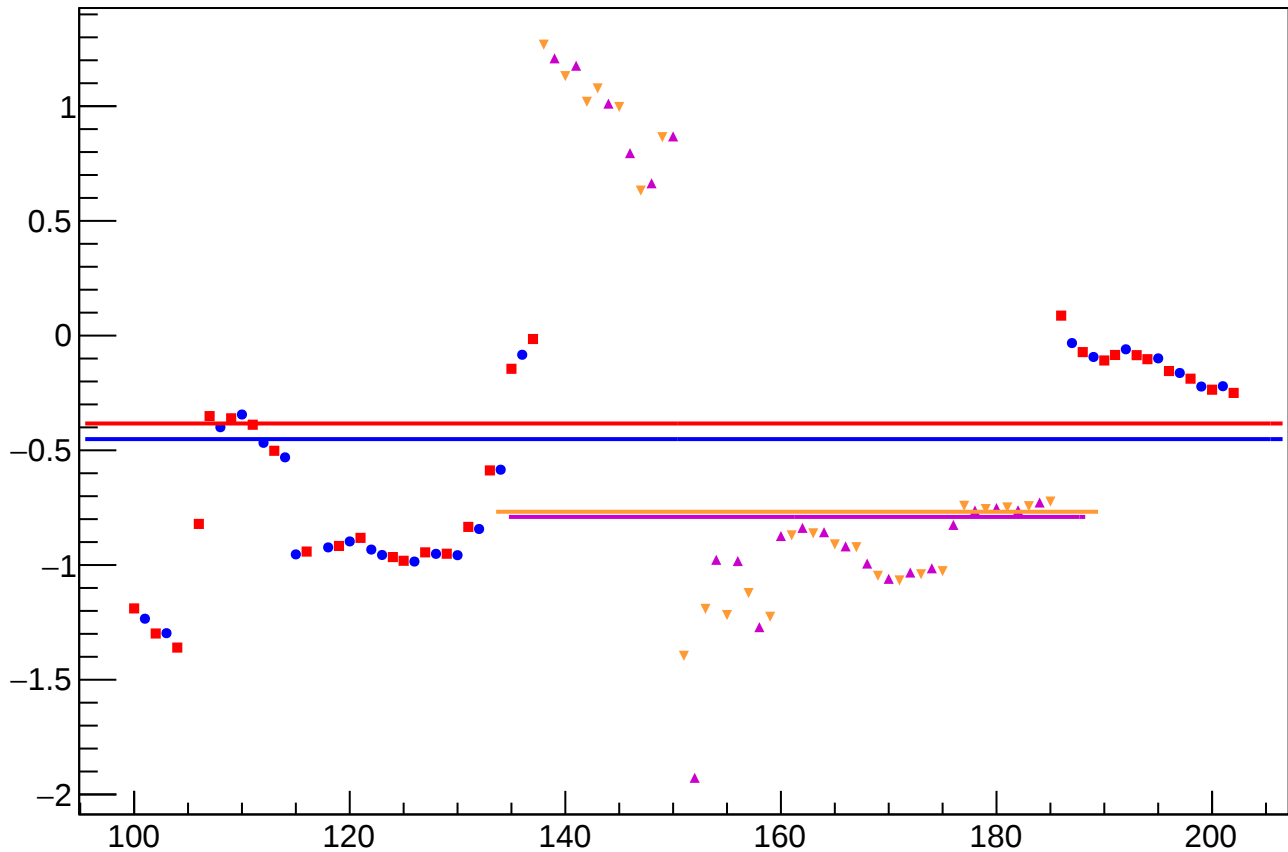
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:353750.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1495518.8/48

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3086979.1/100

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1591243.4/51

yield_bpm0i01X_mean vs Slug



Right In: -0.451+/-0.000 χ^2 /NDF: 21822665009.2/23

Left Out: -0.768+/-0.000 χ^2 /NDF: 120774855982.9/24

Right Out: -0.383+/-0.000 χ^2 /NDF: 24928878598.7/28

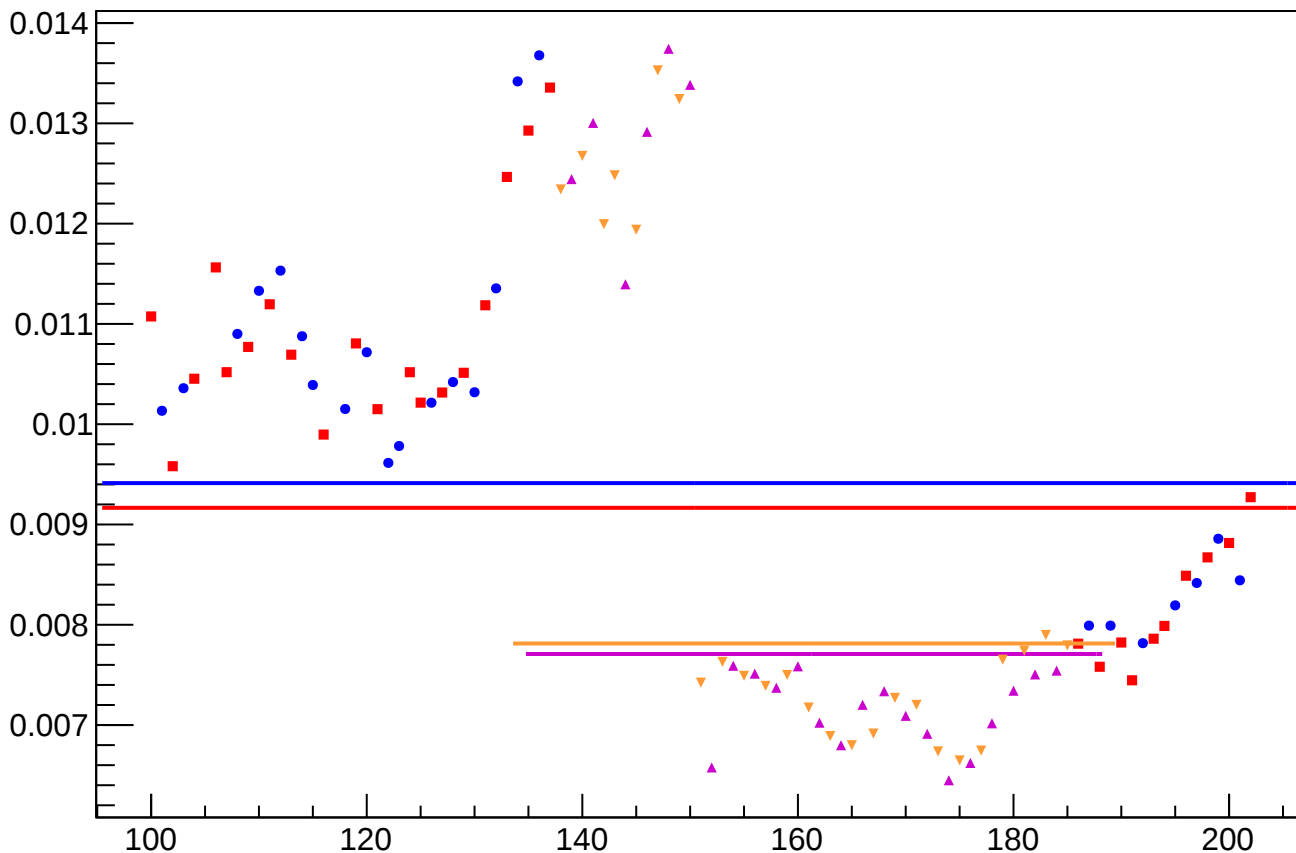
Left In: -0.790+/-0.000 χ^2 /NDF: 123452478408.2/22

+ sign -0.671+/-0.000 χ^2 /NDF: 151219134296.1/48

All: -0.657+/-0.000 χ^2 /NDF: 316041342757.5

- 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 : 536057.1/23

Left Out: 0.008+/-0.000 χ^2/NDF :1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 628000.2/28

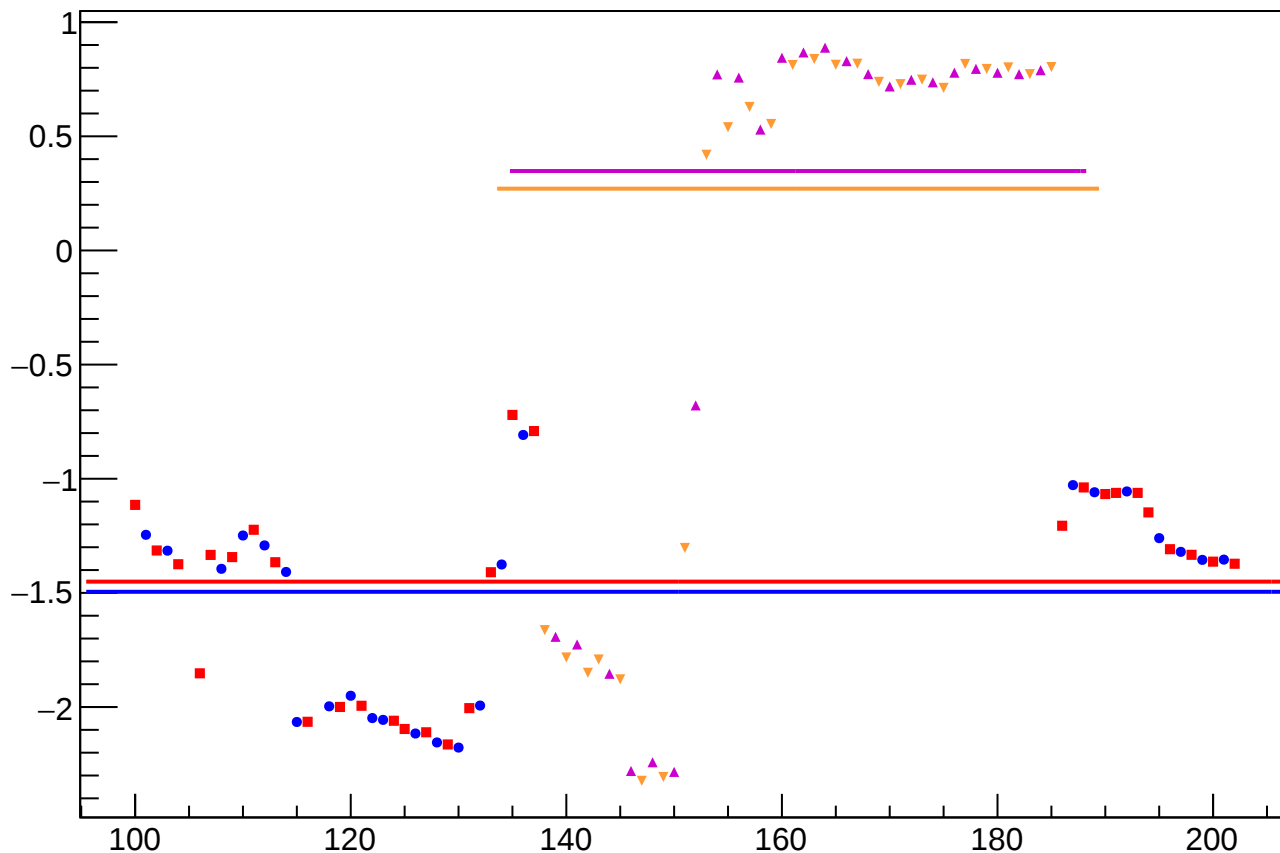
Left In: 0.008+/-0.000 χ^2/NDF :1746653.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2682084.2/48

All: 0.008+/-0.000 χ^2/NDF : 5475750.4/100

- sign 0.008+/-0.000 χ^2/NDF : 2791799.4/51

yield_bpm0i01Y_mean vs Slug



Right In: -1.495 ± 0.000 $\chi^2/\text{NDF}: 173068811997.9/23$

Left Out: 0.271 ± 0.000 $\chi^2/\text{NDF}: 2583233987355.9/24$

Right Out: -1.451 ± 0.000 $\chi^2/\text{NDF}: 163794111152.0/28$

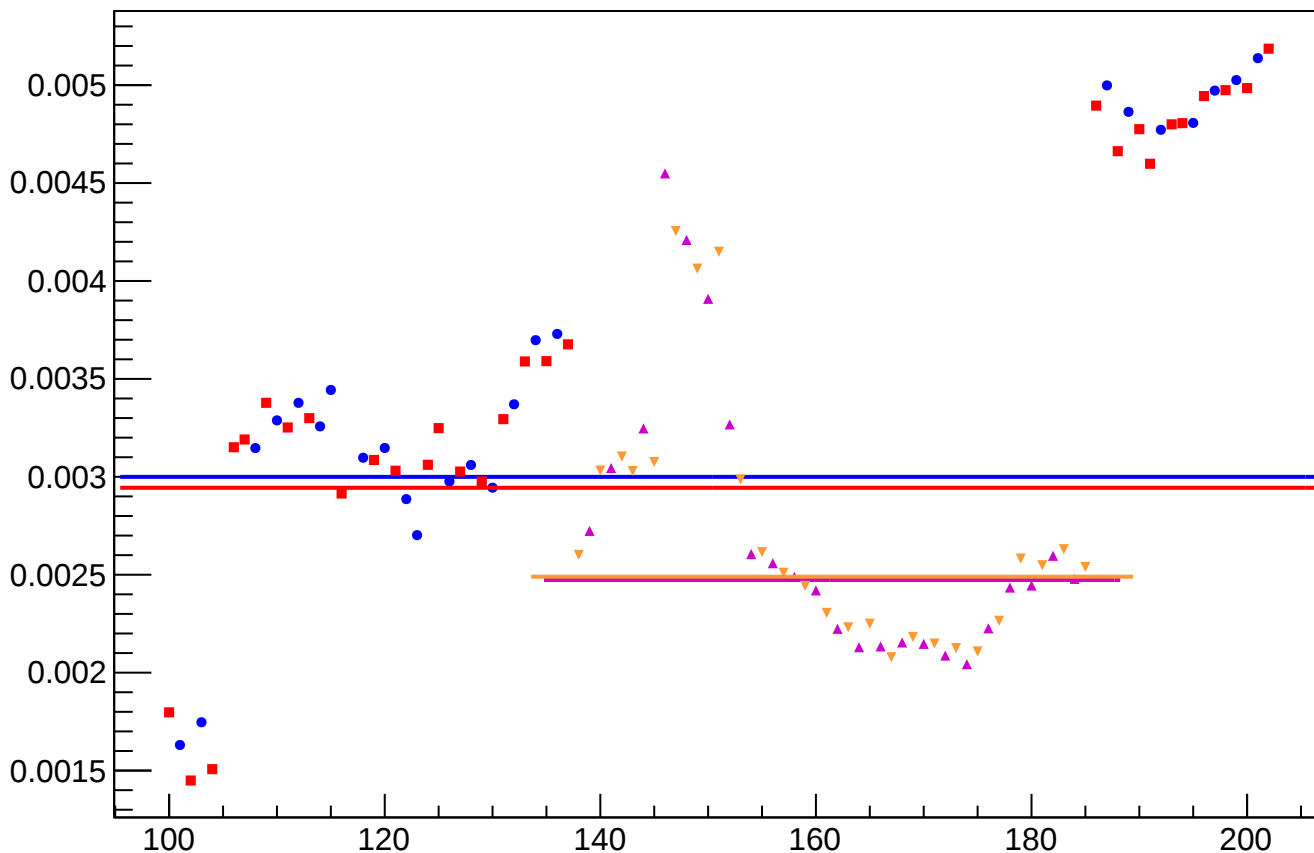
Left In: 0.348 ± 0.000 $\chi^2/\text{NDF}: 2274004426513.8/22$

+ sign -0.230 ± 0.000 $\chi^2/\text{NDF}: 5074622407735.0/4$

All: -0.239 ± 0.000 $\chi^2/\text{NDF}: 1017083289002$

- sign -0.247 ± 0.000 $\chi^2/\text{NDF}: 5095656642163.0/5$

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 2718912.0/23

Left Out: 0.002+/-0.000 χ^2/NDF :1070282.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3962556.7/28

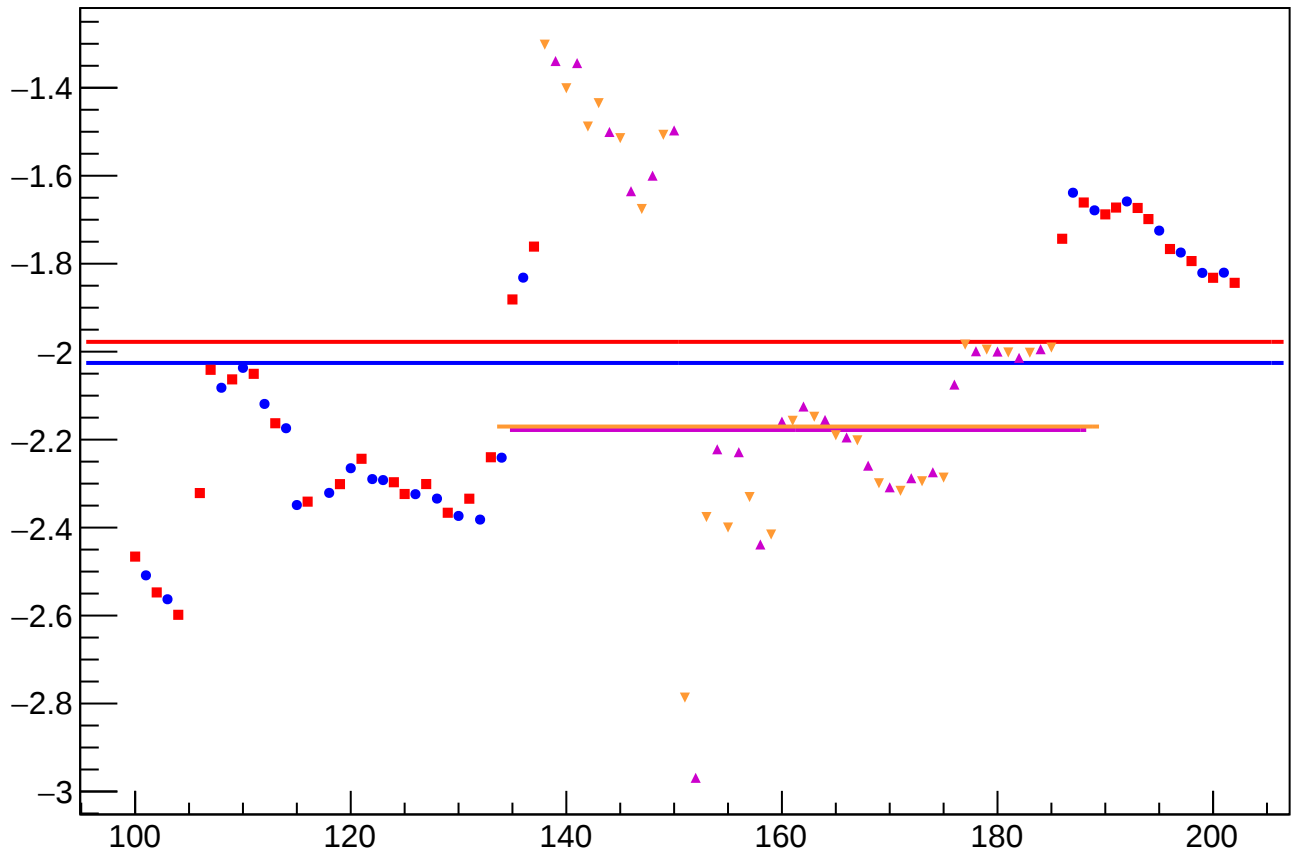
Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 4175444.1/48

All: 0.003+/-0.000 χ^2/NDF : 9637337.9/100

- sign 0.003+/-0.000 χ^2/NDF : 5461787.4/51

yield_bpm0i01aX_mean vs Slug



Right In: -2.026+/-0.000 χ^2/NDF : 29106004928.6/23

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.978+/-0.000 χ^2/NDF : 34280971183.8/28

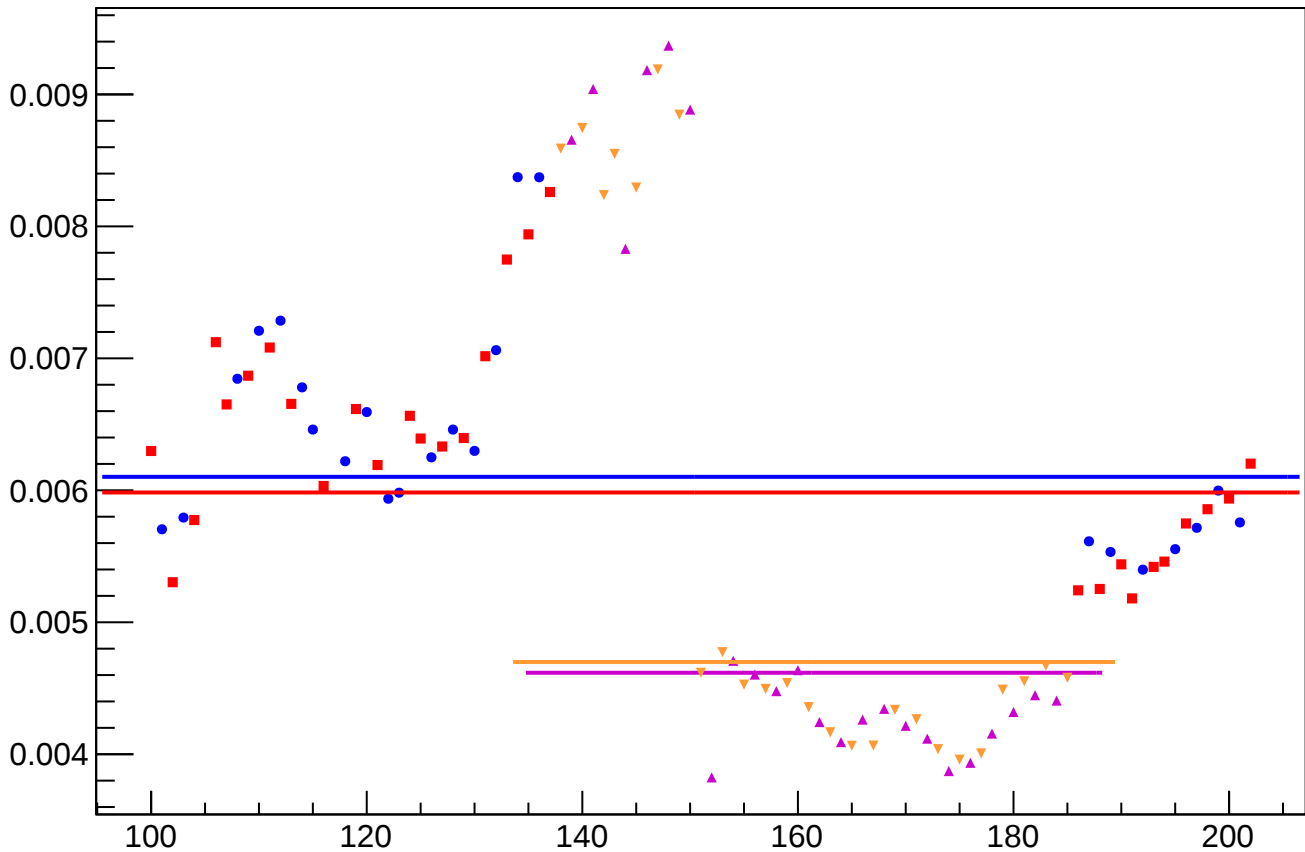
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.130+/-0.000 χ^2/NDF : 93503420067.9/48

All: -2.121+/-0.000 χ^2/NDF : 211065854631.7

- 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 : 301642.2/23

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 350975.2/28

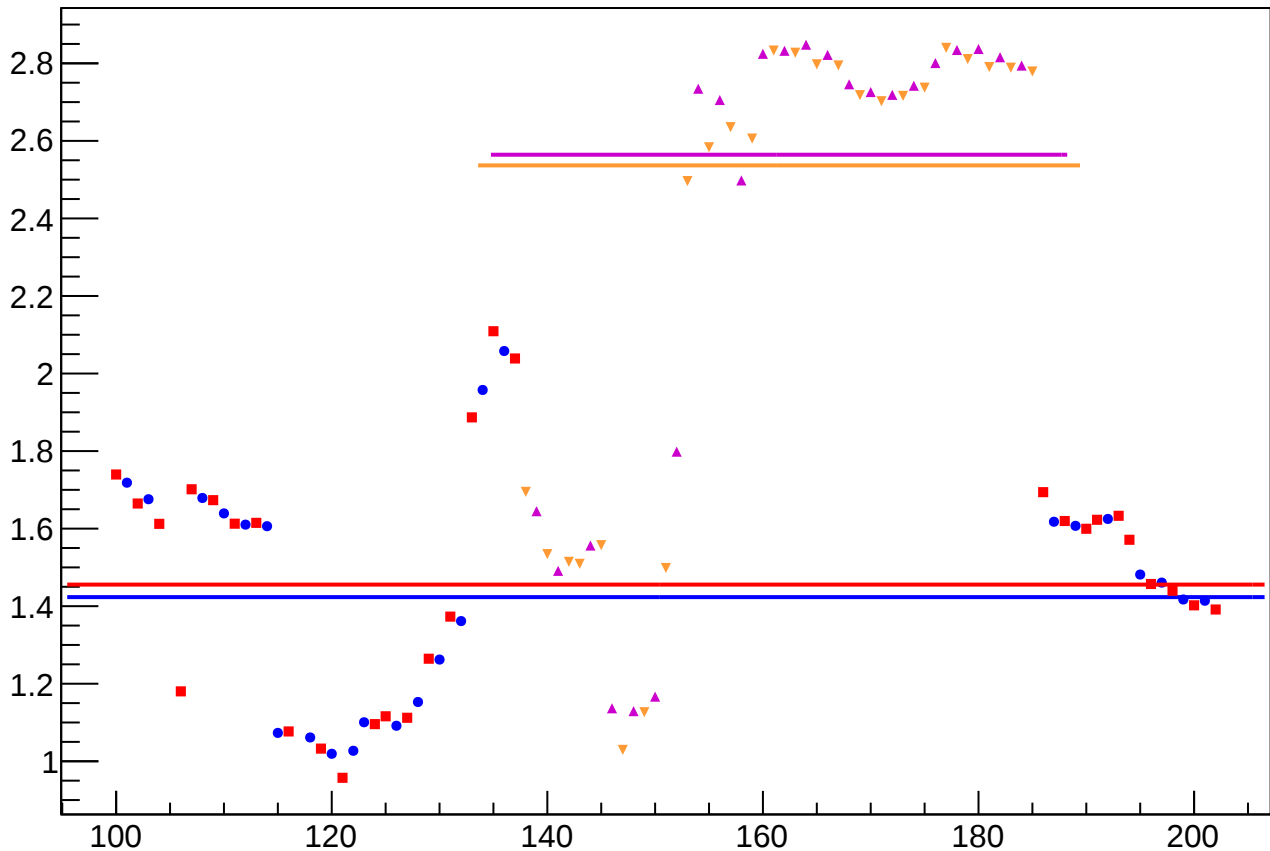
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3455577.6/48

All: 0.005+/-0.000 χ^2/NDF : 7077580.3/100

- 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 : 174090715835.3/23

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.456+/-0.000 χ^2/NDF : 176801910183.6/28

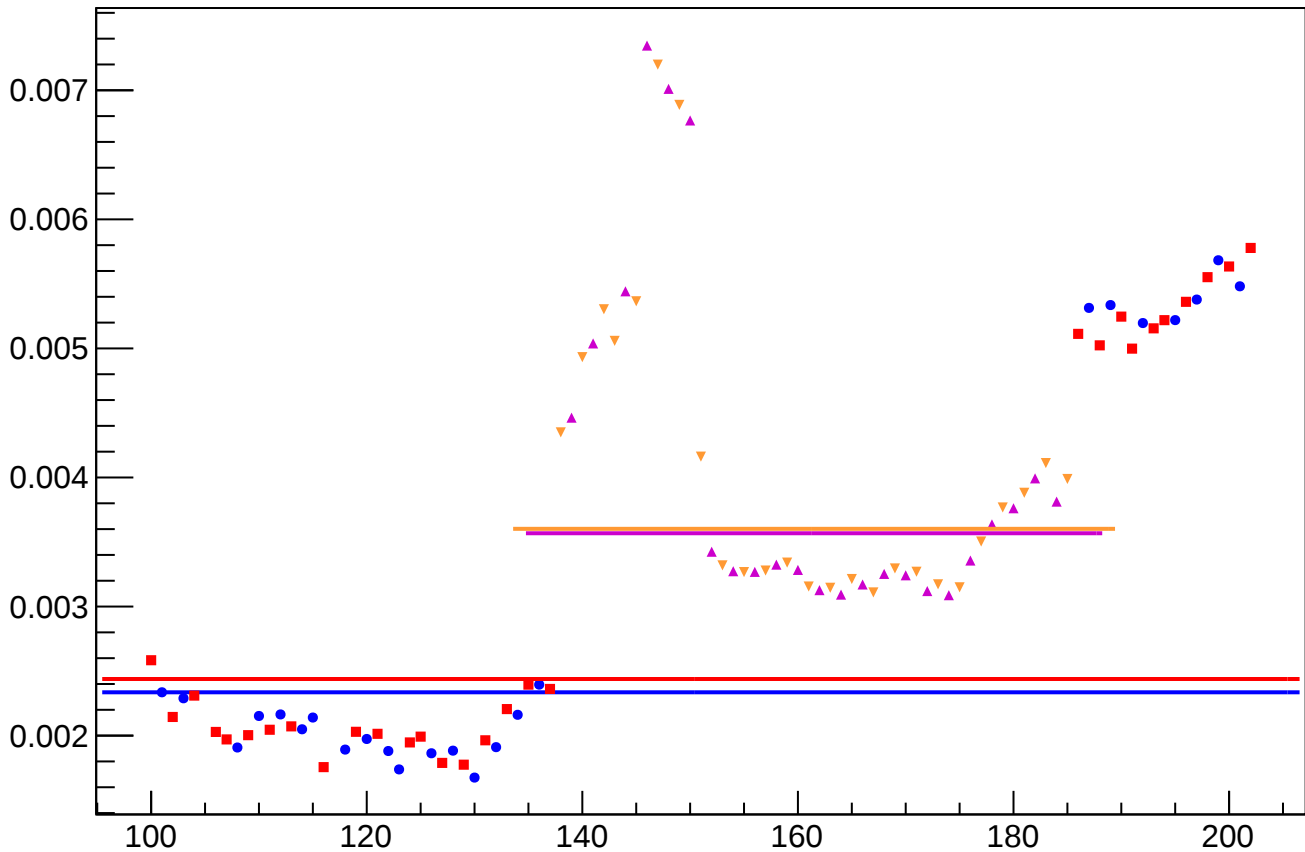
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.907+/-0.000 χ^2/NDF : 1347209110782.5/48

All: 1.906+/-0.000 χ^2/NDF : 2680109436511.0

- 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 : 3449496.9/23

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 4361300.3/28

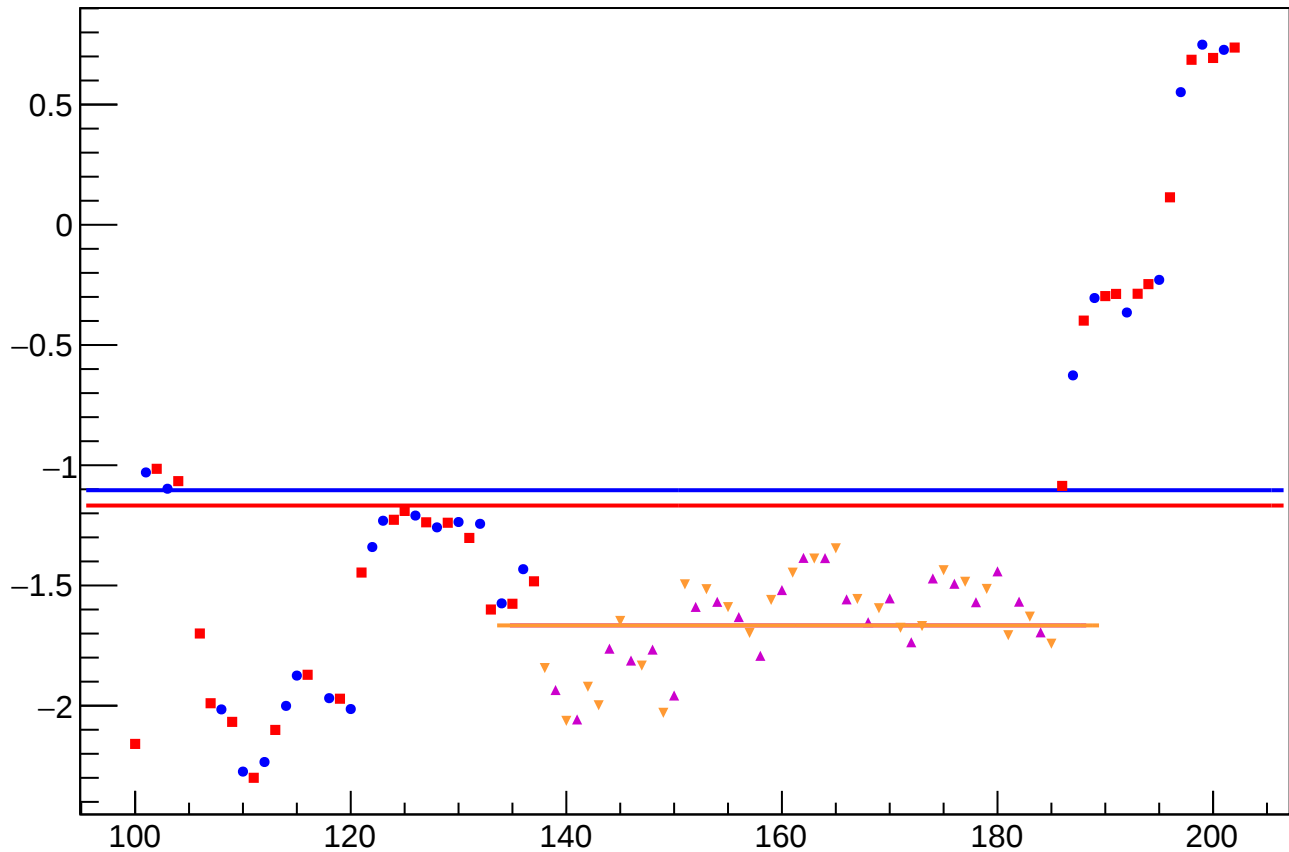
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 7198897.2/48

All: 0.003+/-0.000 χ^2/NDF : 14982373.5/100

- sign 0.003+/-0.000 χ^2/NDF : 7783106.9/51

yield_bpm0l01X_mean vs Slug



Right In: -1.104+/-0.000 χ^2/NDF : 123282593212.9/23

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.168+/-0.000 χ^2/NDF : 160553972222.3/28

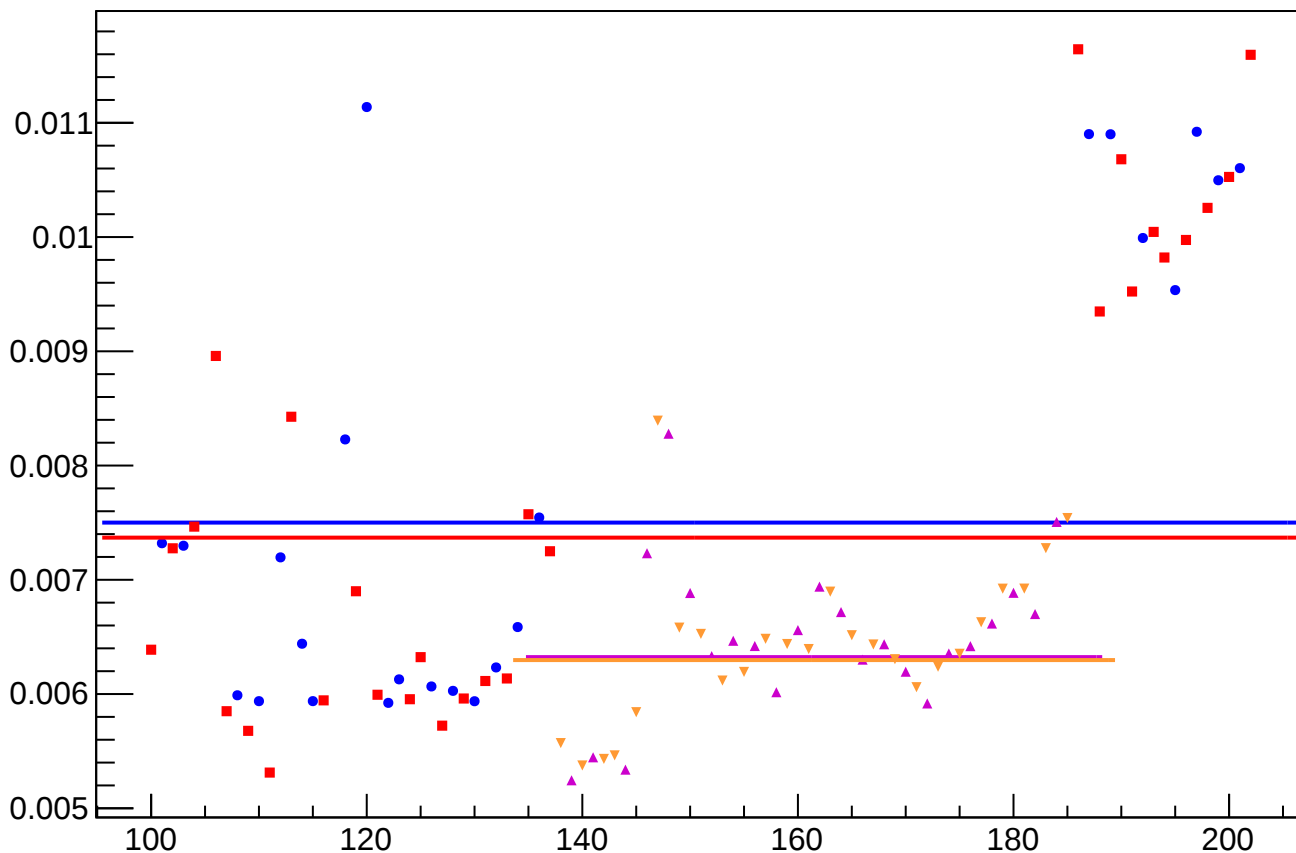
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.502+/-0.000 χ^2/NDF : 182215429621.2/48

All: -1.496+/-0.000 χ^2/NDF : 393060962614.5

- 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: 1145913.9/23

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

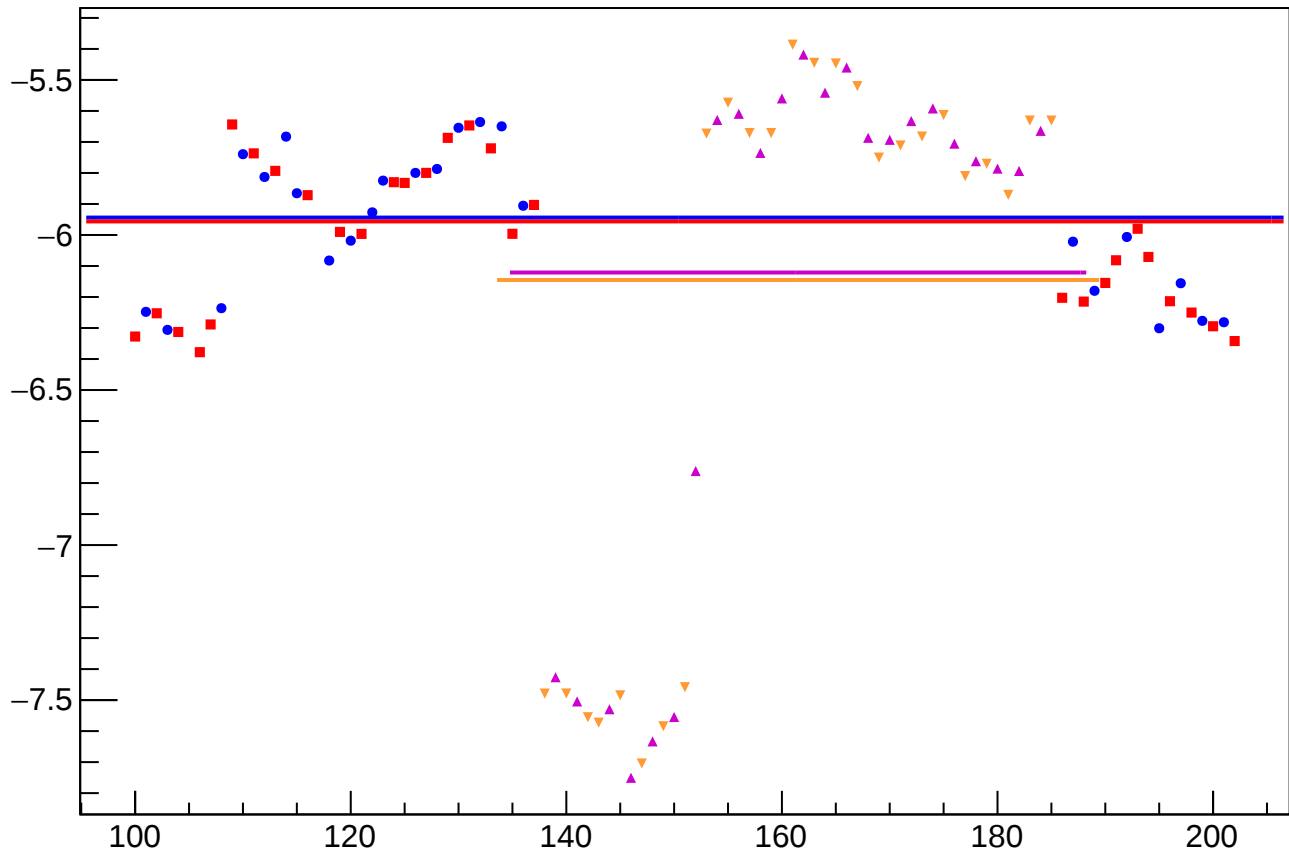
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 330859.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1828714.8/48

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 4022448.9/100

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2192506.9/51

yield_bpm0l01Y_mean vs Slug



Right In: -5.944 ± 0.000 χ^2/NDF : 13350264984.9/23

Left Out: -6.145 ± 0.000 χ^2/NDF : 185364150237.7/24

Right Out: -5.956 ± 0.000 χ^2/NDF : 15337723029.0/28

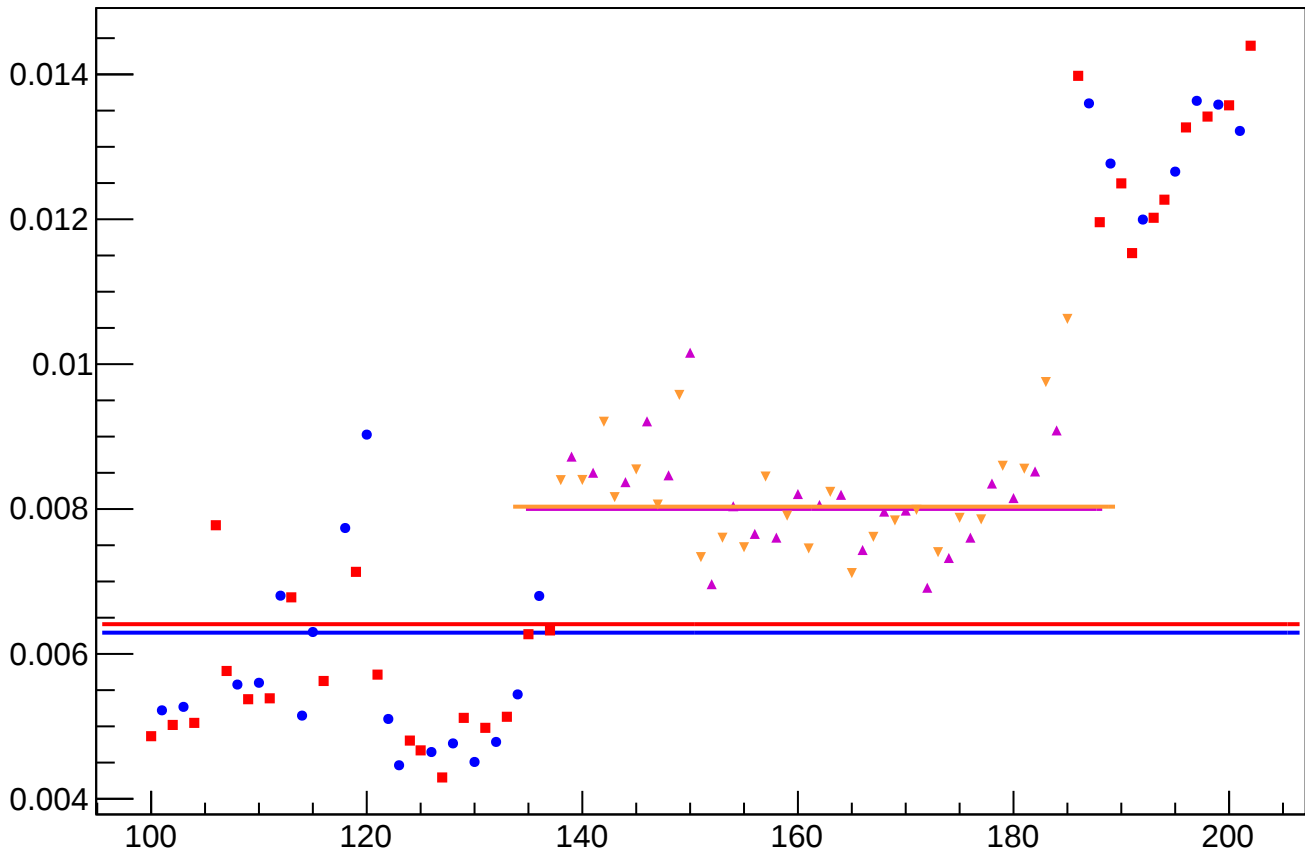
Left In: -6.121 ± 0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.050 ± 0.000 χ^2/NDF : 203622351409.1/48

All: -6.043 ± 0.000 χ^2/NDF : 380761644072.5

- sign -6.036 ± 0.000 χ^2/NDF : 177091753492.7/51

yield_bpm0l01Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2/NDF : 3106469.2/23

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

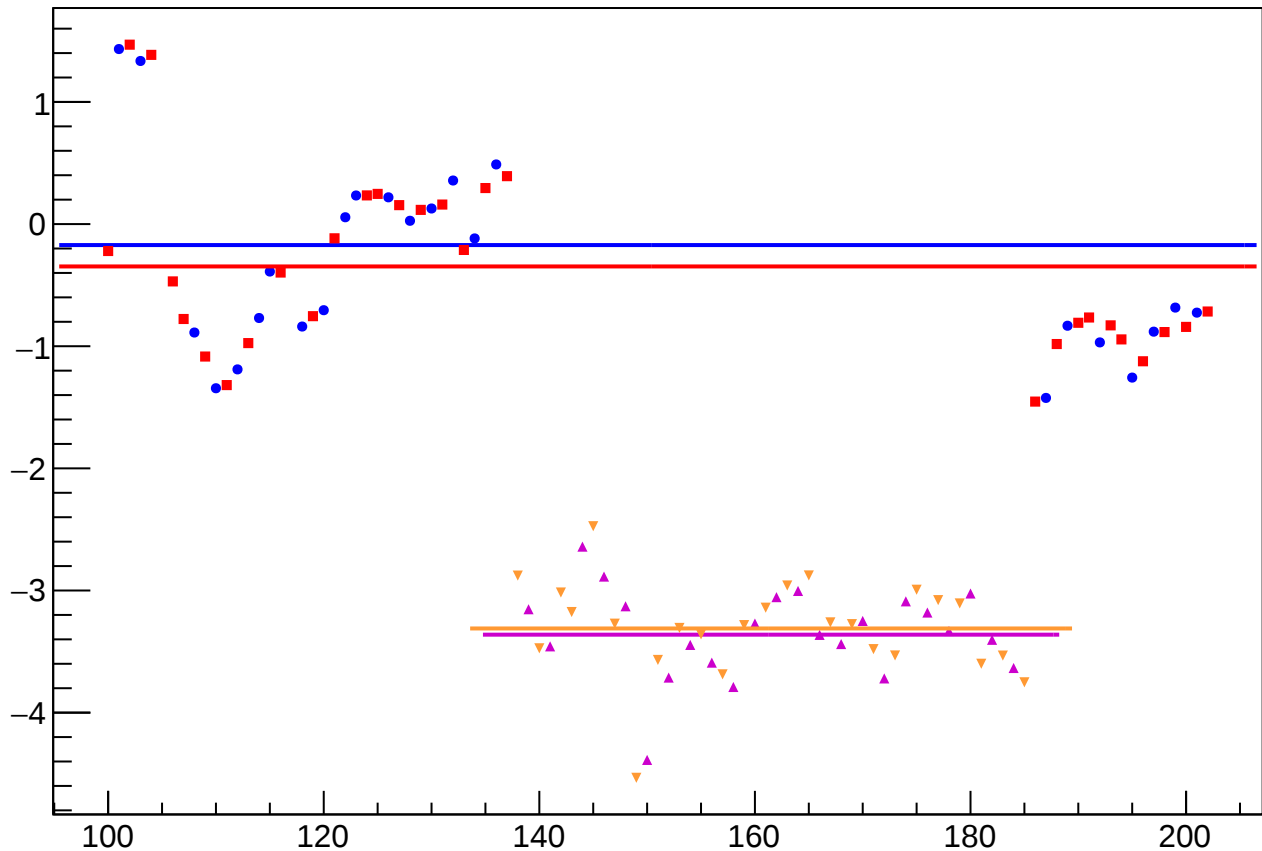
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 220756.1/22

+ sign 0.007 $\pm$ 0.000 χ^2/NDF : 4045264.7/48

All: 0.007 $\pm$ 0.000 χ^2/NDF : 8760653.1/100

- sign 0.007 $\pm$ 0.000 χ^2/NDF : 4714992.6/51

yield_bpm0l02X_mean vs Slug



Right In: -0.172 ± 0.000 χ^2/NDF : 28603765429.7/23

Left Out: -3.311 ± 0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.347 ± 0.000 χ^2/NDF : 31401769182.6/28

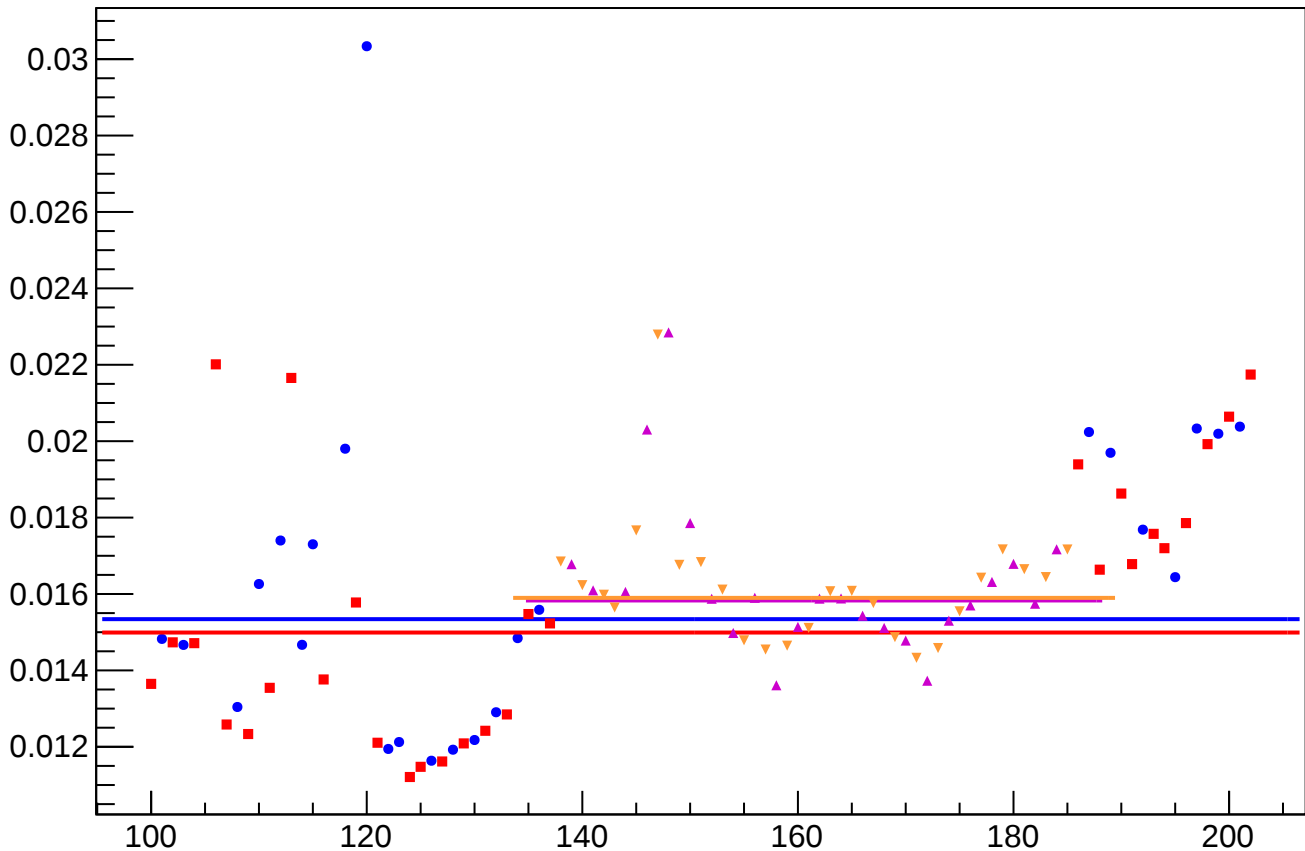
Left In: -3.362 ± 0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.107 ± 0.000 χ^2/NDF : 302312056789.3/48

All: -2.050 ± 0.000 χ^2/NDF : 615085089393.5

- sign -1.998 ± 0.000 χ^2/NDF : 312075190120.4/51

yield_bpm0l02X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 902747.1/23

Left Out: 0.016+/-0.000 χ^2/NDF : 251912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1000152.7/28

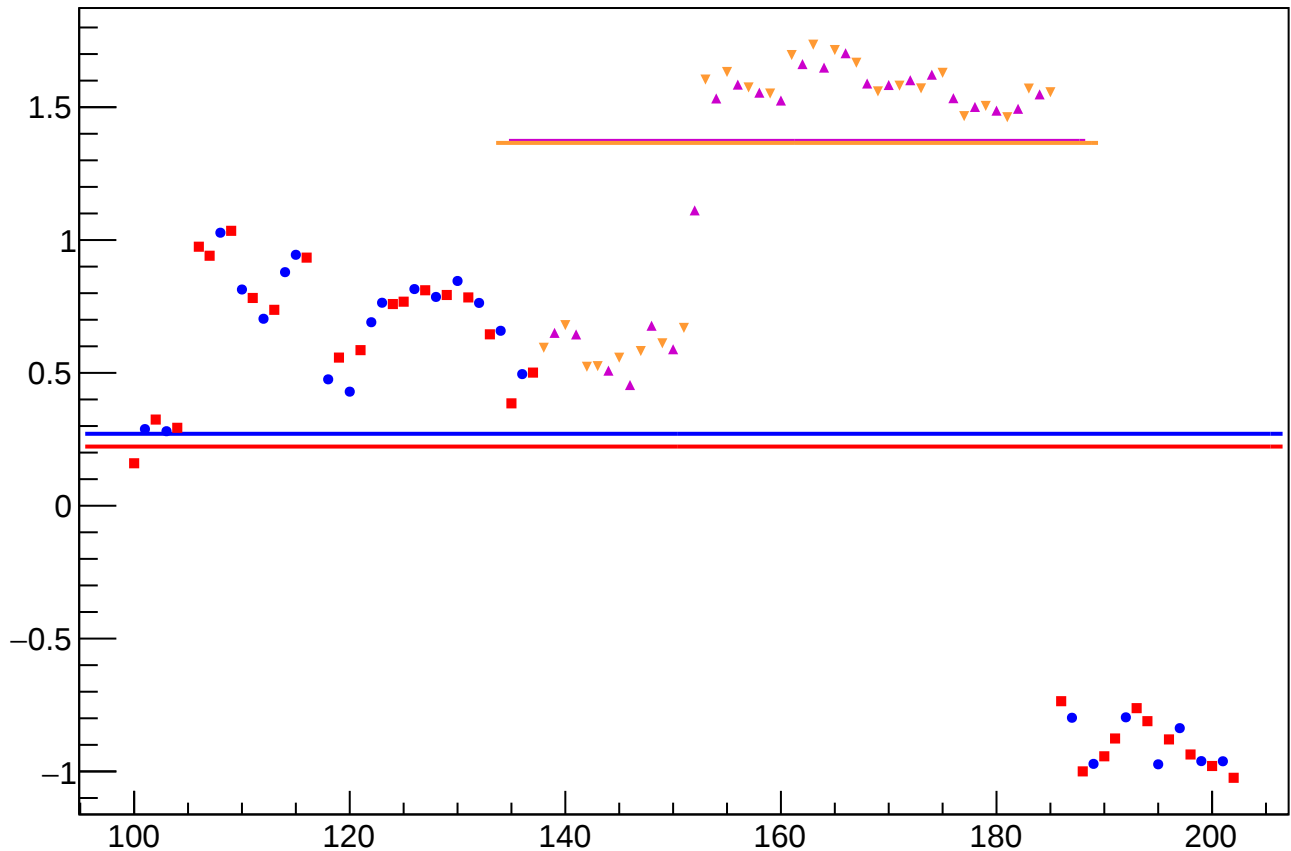
Left In: 0.016+/-0.000 χ^2/NDF : 339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1171303.2/48

All: 0.016+/-0.000 χ^2/NDF : 2559659.4/100

- sign 0.015+/-0.000 χ^2/NDF : 1381949.8/51

yield_bpm0l02Y_mean vs Slug



Right In: 0.271 ± 0.000 $\chi^2/\text{NDF}: 55787072490.4/23$

Left Out: 1.366 ± 0.000 $\chi^2/\text{NDF}: 74741956067.9/24$

Right Out: 0.223 ± 0.000 $\chi^2/\text{NDF}: 73479765765.5/28$

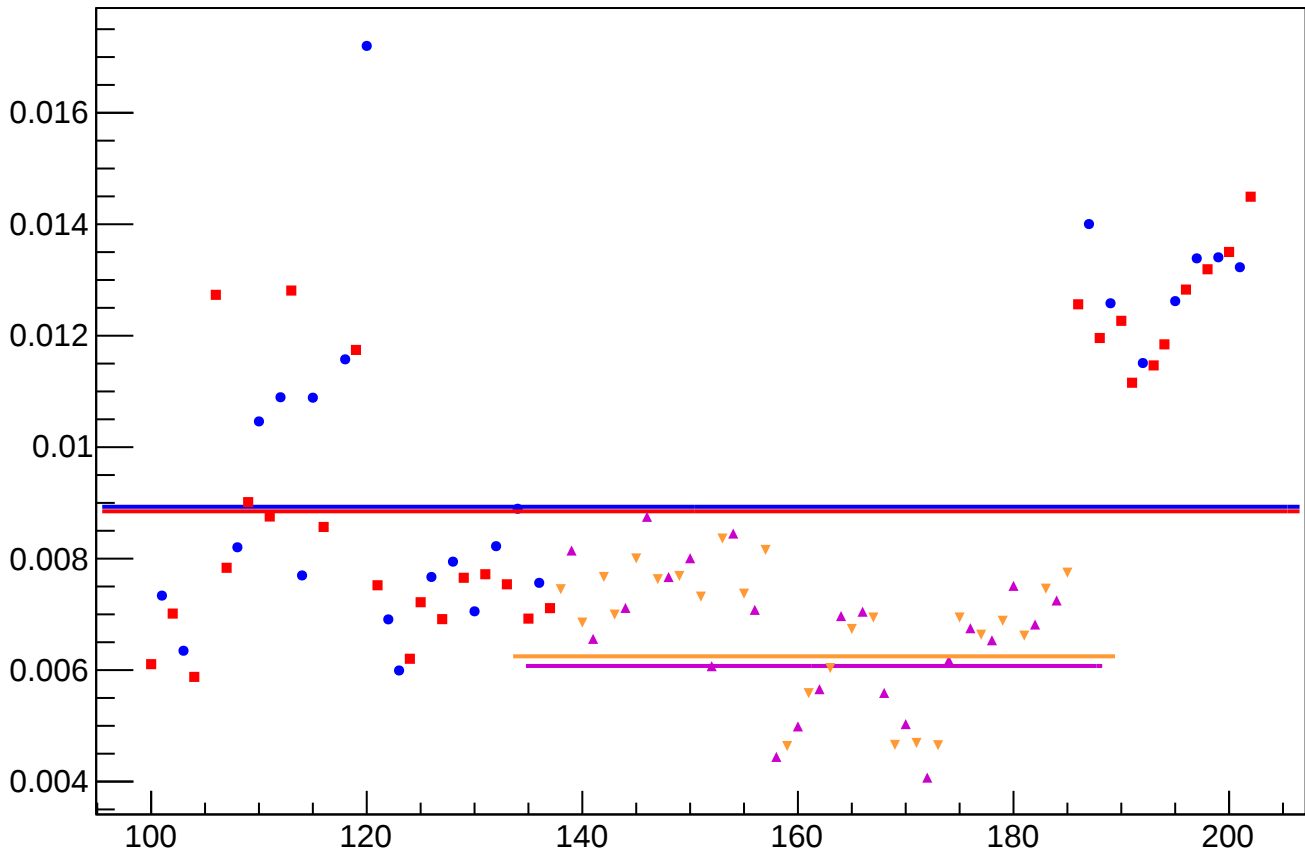
Left In: 1.373 ± 0.000 $\chi^2/\text{NDF}: 63413151416.3/22$

+ sign 1.120 ± 0.000 $\chi^2/\text{NDF}: 244945730097.6/48$

All: 1.098 ± 0.000 $\chi^2/\text{NDF}: 527819490432.5$

- sign 1.077 ± 0.000 $\chi^2/\text{NDF}: 282356807213.6/51$

yield_bpm0l02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1543891.8/23

Left Out: 0.006+/-0.000 χ^2/NDF :1330867.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 1898478.5/28

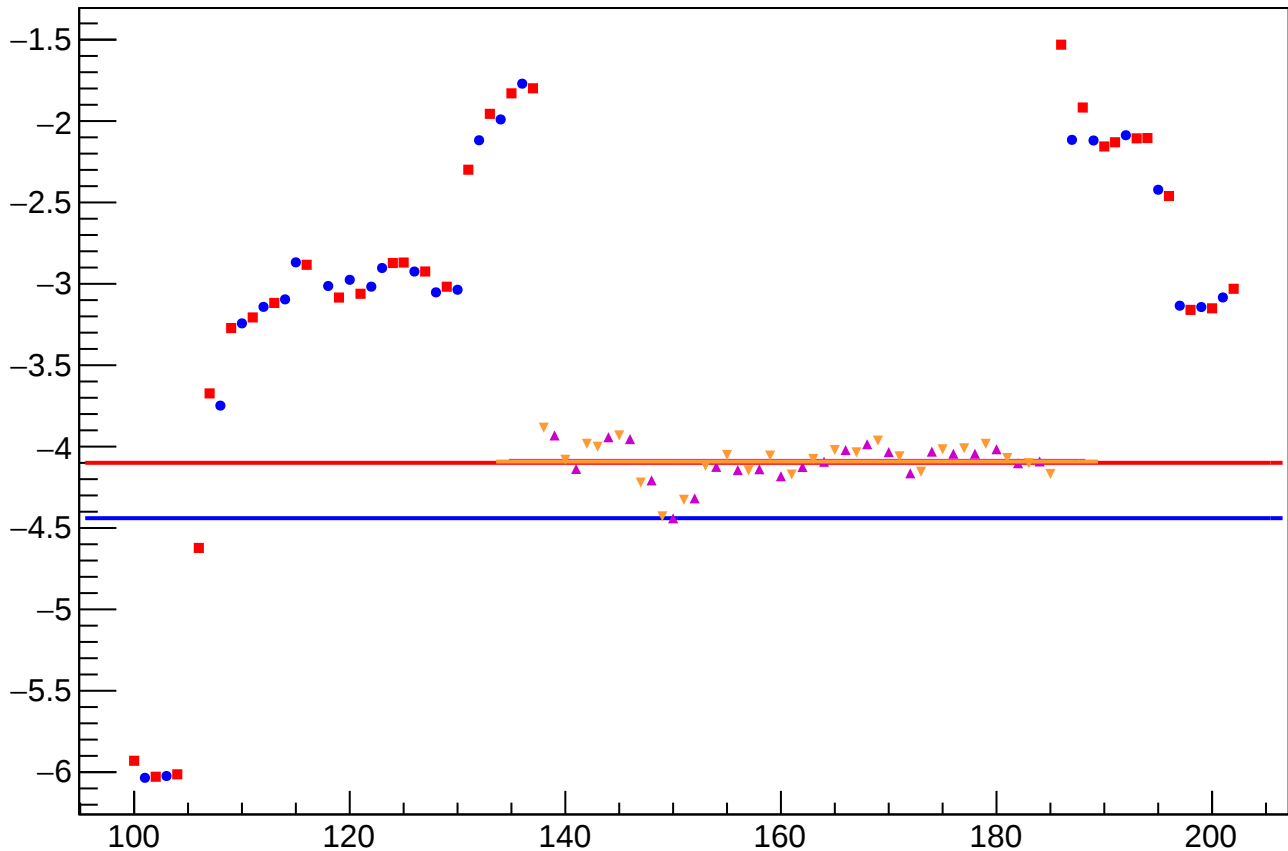
Left In: 0.006+/-0.000 χ^2/NDF :1431986.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 4249721.1/48

All: 0.007+/-0.000 χ^2/NDF : 9274832.4/100

- sign 0.007+/-0.000 χ^2/NDF : 5023038.2/51

yield_bpm0l03X_mean vs Slug



Right In: -4.440+/-0.000 χ^2/NDF : 250768404199.0/23

Left Out: -4.092+/-0.000 χ^2/NDF : 39806766.7/24

Right Out: -4.100+/-0.000 χ^2/NDF : 268044776229.6/28

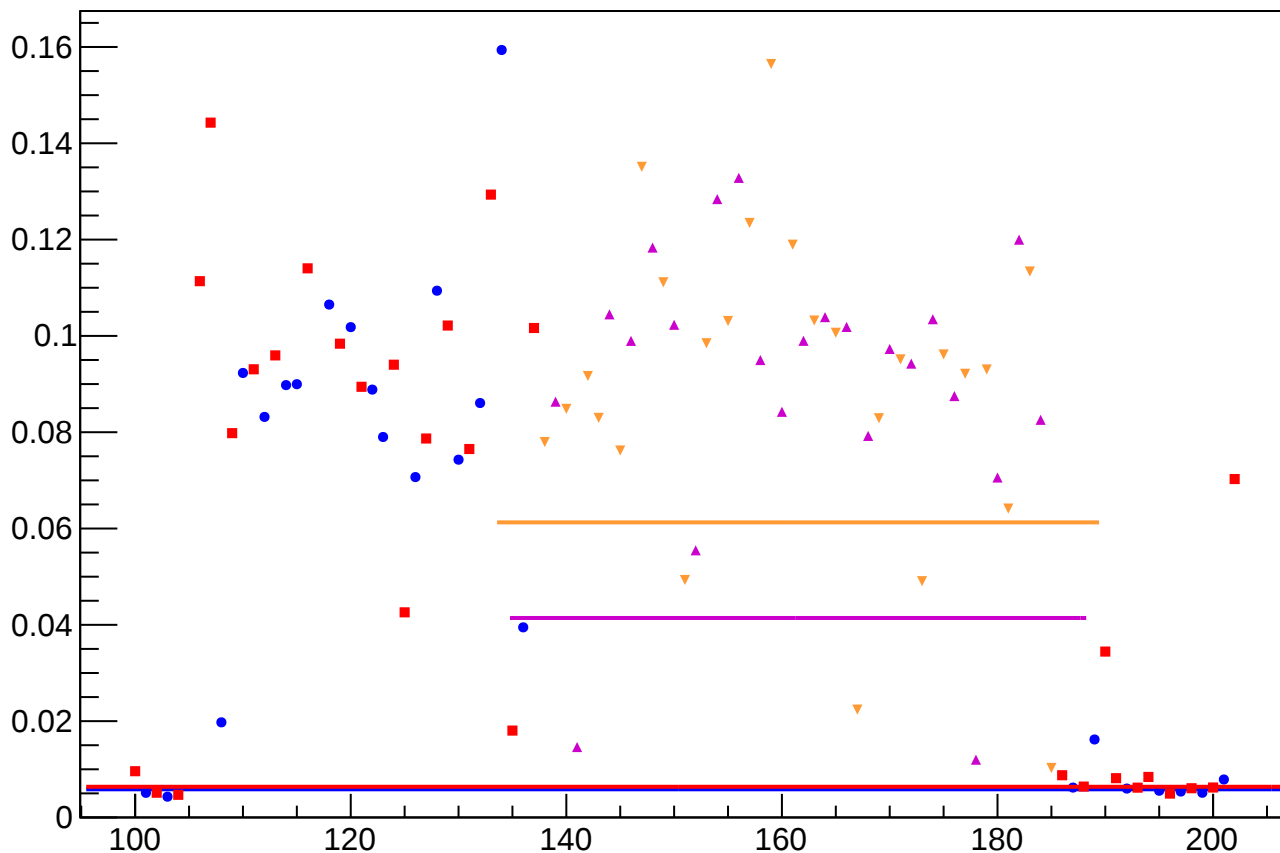
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -4.429+/-0.000 χ^2/NDF : 251154205952.8/48

All: -4.273+/-0.000 χ^2/NDF : 523969727792.3

- sign -4.099+/-0.000 χ^2/NDF : 268079757611.4/51

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8039694.6/23

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

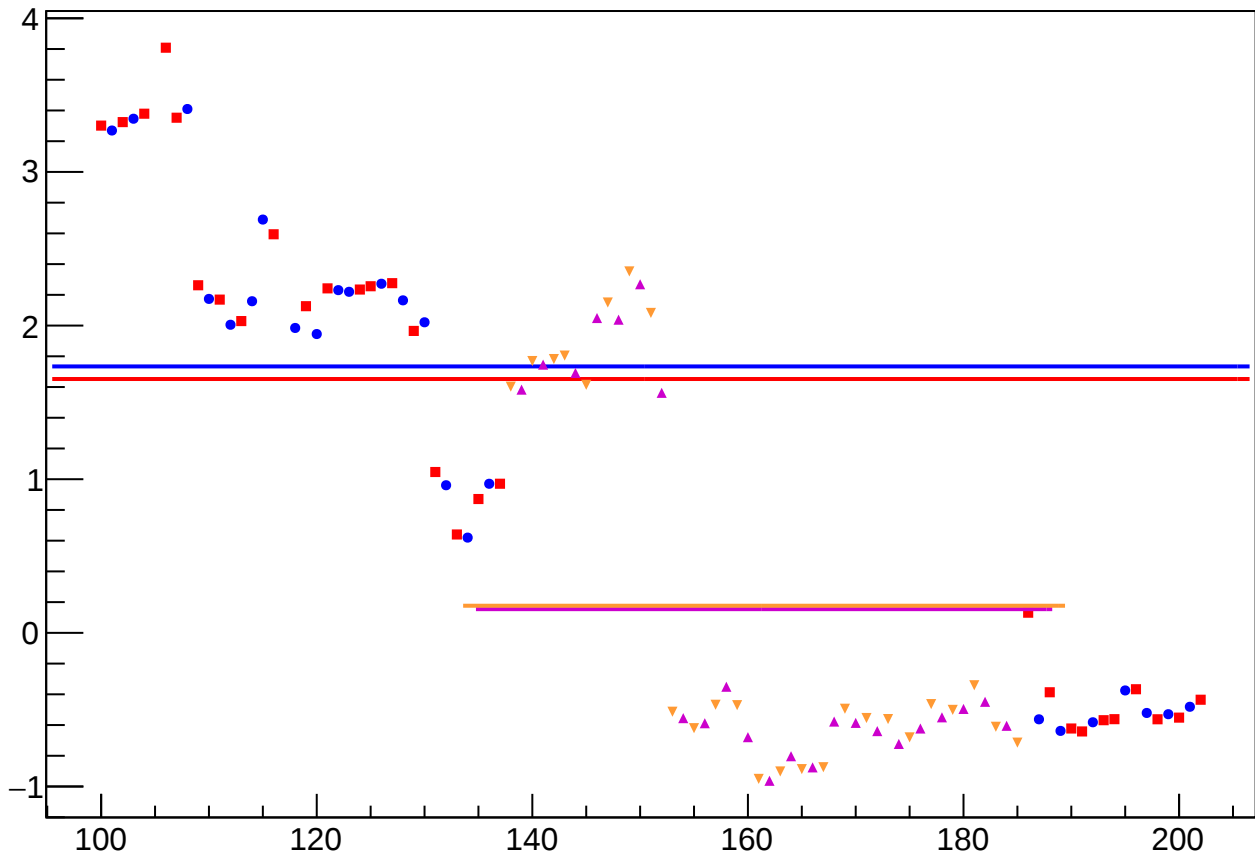
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33960008.8/48

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 66303585.8/100

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 32315726.5/51

yield_bpm0l03Y_mean vs Slug



Right In: 1.734 $\pm$ 0.000 χ^2 /NDF: 168249604900.8/23

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF:3275313367.7/24

Right Out: 1.652 $\pm$ 0.000 χ^2 /NDF: 166065977899.9/28

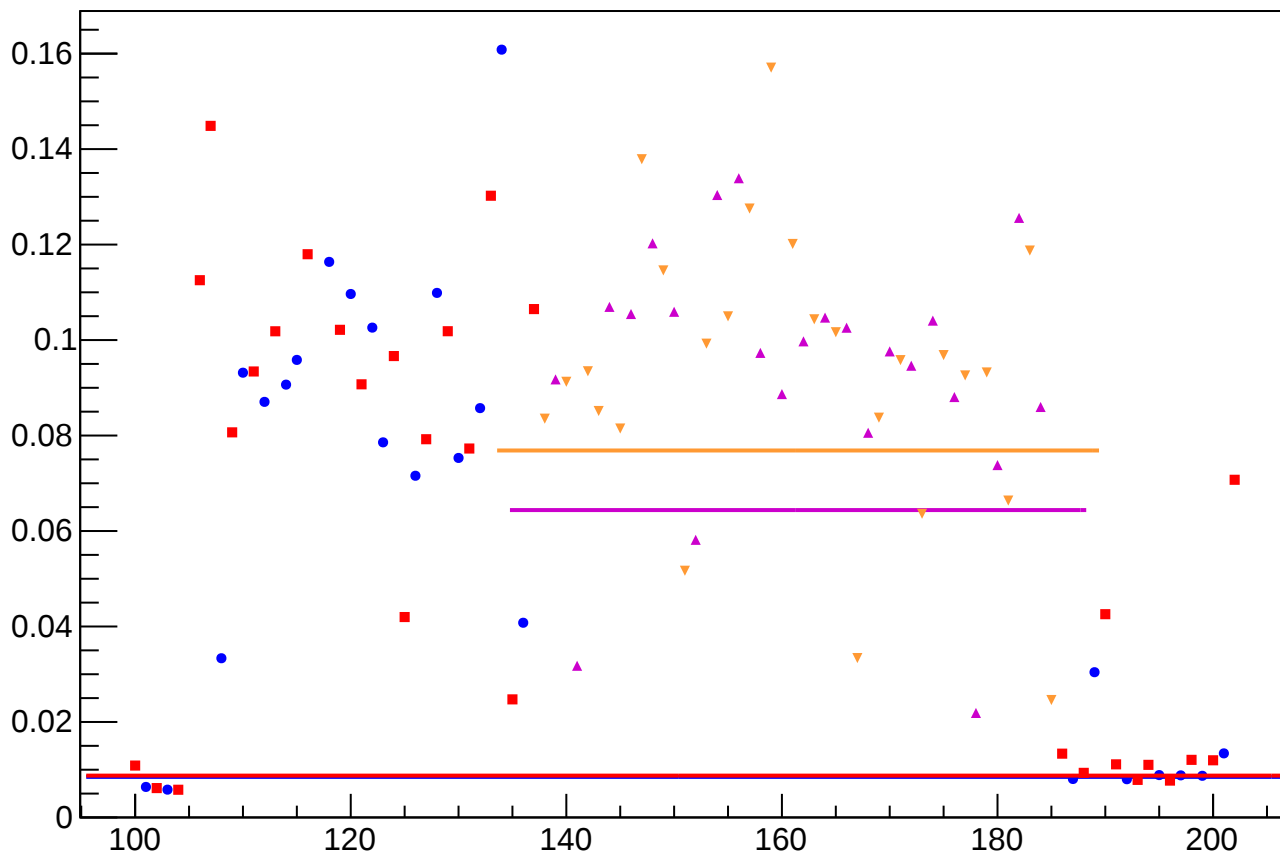
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF:3163553595.0/22

+ sign 1.664 $\pm$ 0.000 χ^2 /NDF: 176778416543.0/48

All: 1.620 $\pm$ 0.000 χ^2 /NDF: 351697561012.9

- sign 1.574 $\pm$ 0.000 χ^2 /NDF: 174716265701.2/51

yield_bpm0l03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 7990845.5/23

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

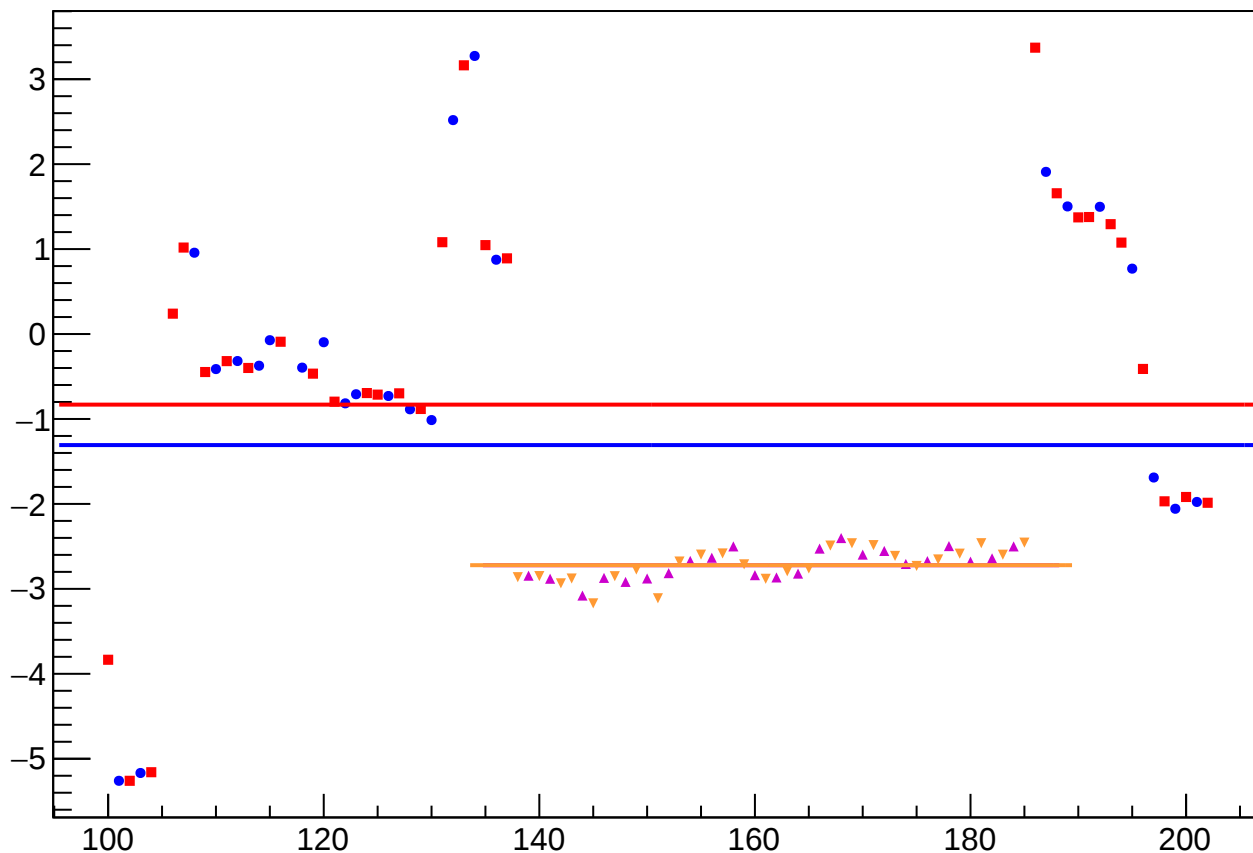
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32453548.6/48

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 63709528.1/100

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 31255573.8/51

yield_bpm0l04X_mean vs Slug



Right In: -1.307+/-0.000 χ^2 /NDF: 203427449817.9/23

Left Out: -2.721+/-0.000 χ^2 /NDF: 10397156971.6/24

Right Out: -0.831+/-0.000 χ^2 /NDF: 231845030493.1/28

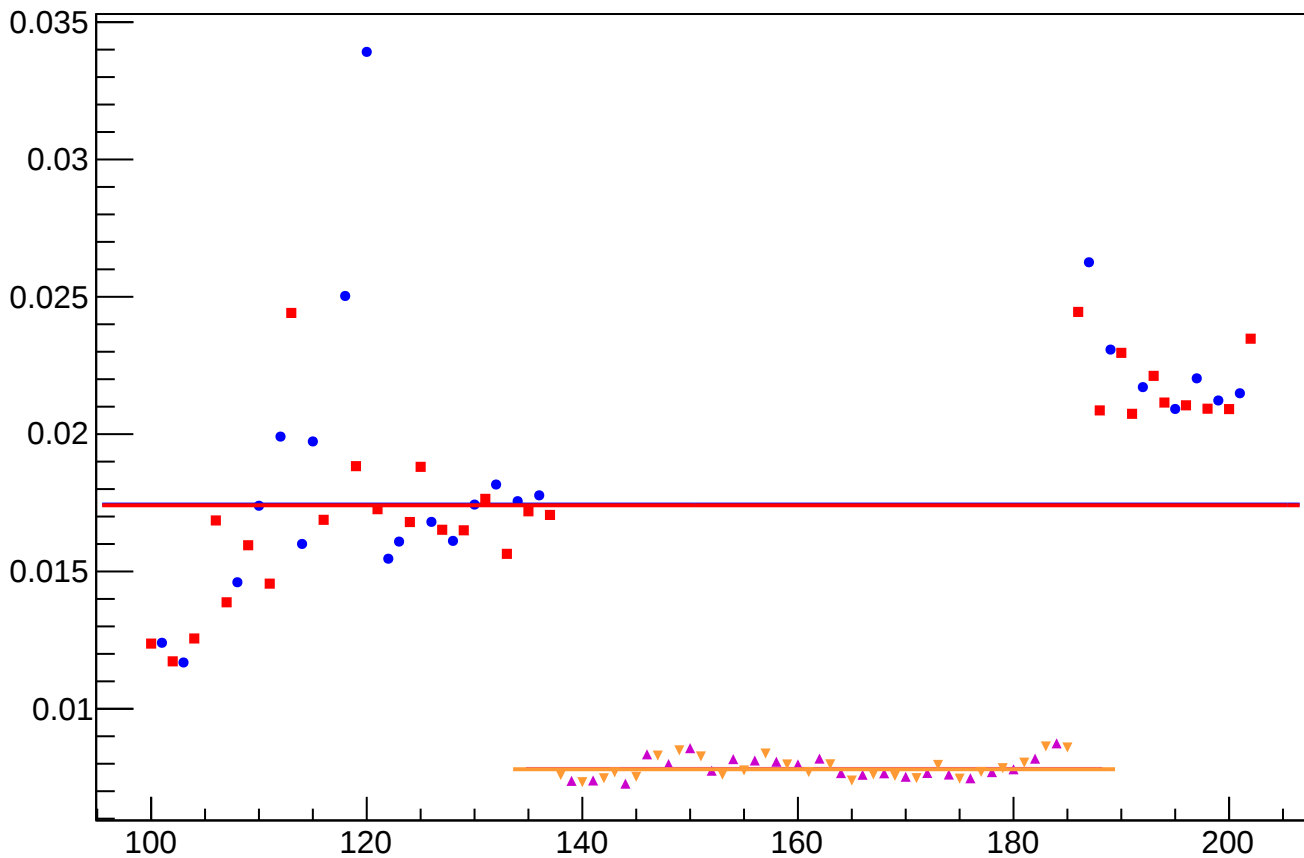
Left In: -2.722+/-0.000 χ^2 /NDF: 8146484592.1/22

+ sign -2.579+/-0.000 χ^2 /NDF: 272488893966.3/48

All: -2.531+/-0.000 χ^2 /NDF: 638072232865.8

- sign -2.482+/-0.000 χ^2 /NDF: 364100737993.0/51

yield_bpm0l04X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 1093234.1/23

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

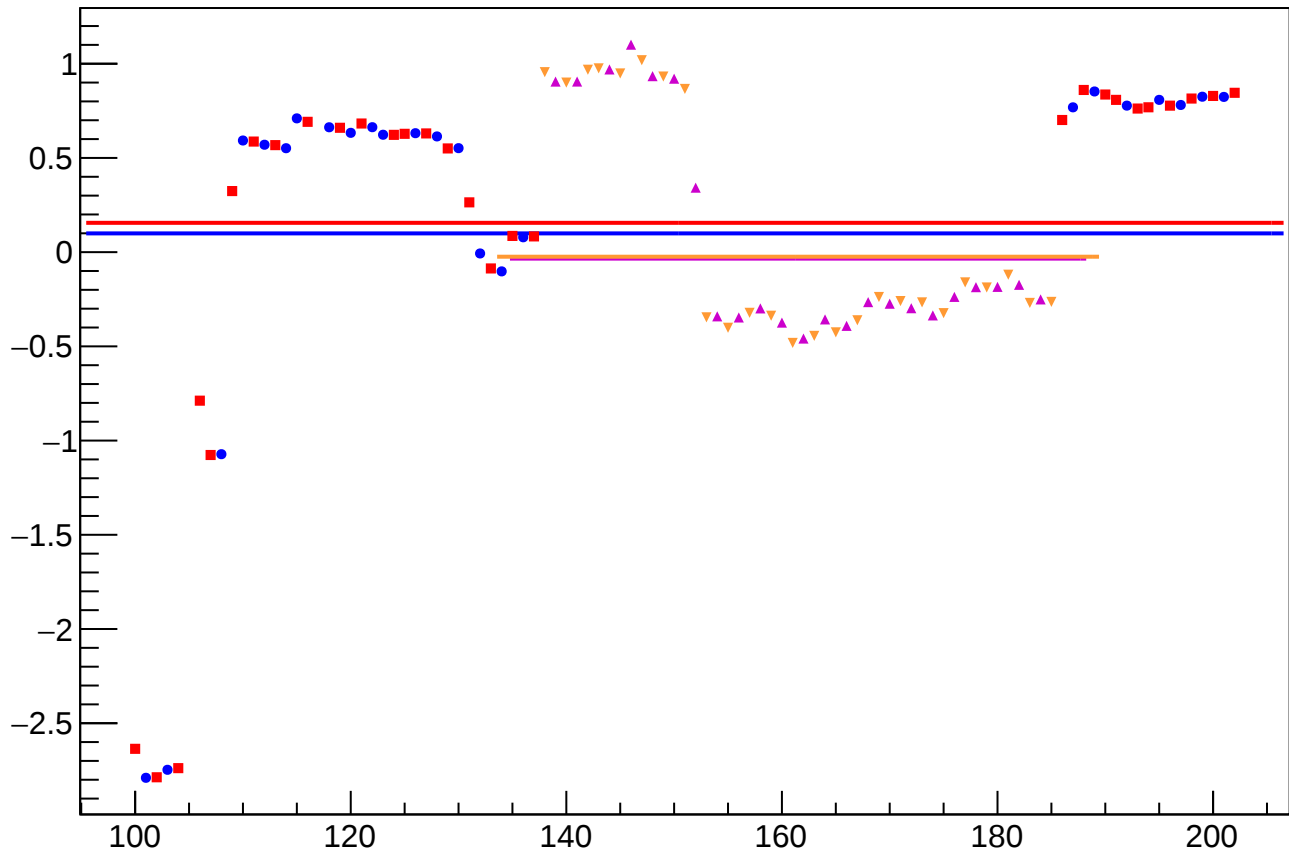
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 6612703.2/48

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 14150655.1/100

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 7517085.3/51

yield_bpm0l04Y_mean vs Slug



Right In: 0.100+/-0.000 χ^2/NDF : 830732969108.8/23

Left Out: -0.024+/-0.000 χ^2/NDF : 135451649275.0/24

Right Out: 0.156+/-0.000 χ^2/NDF : 907722154181.4/28

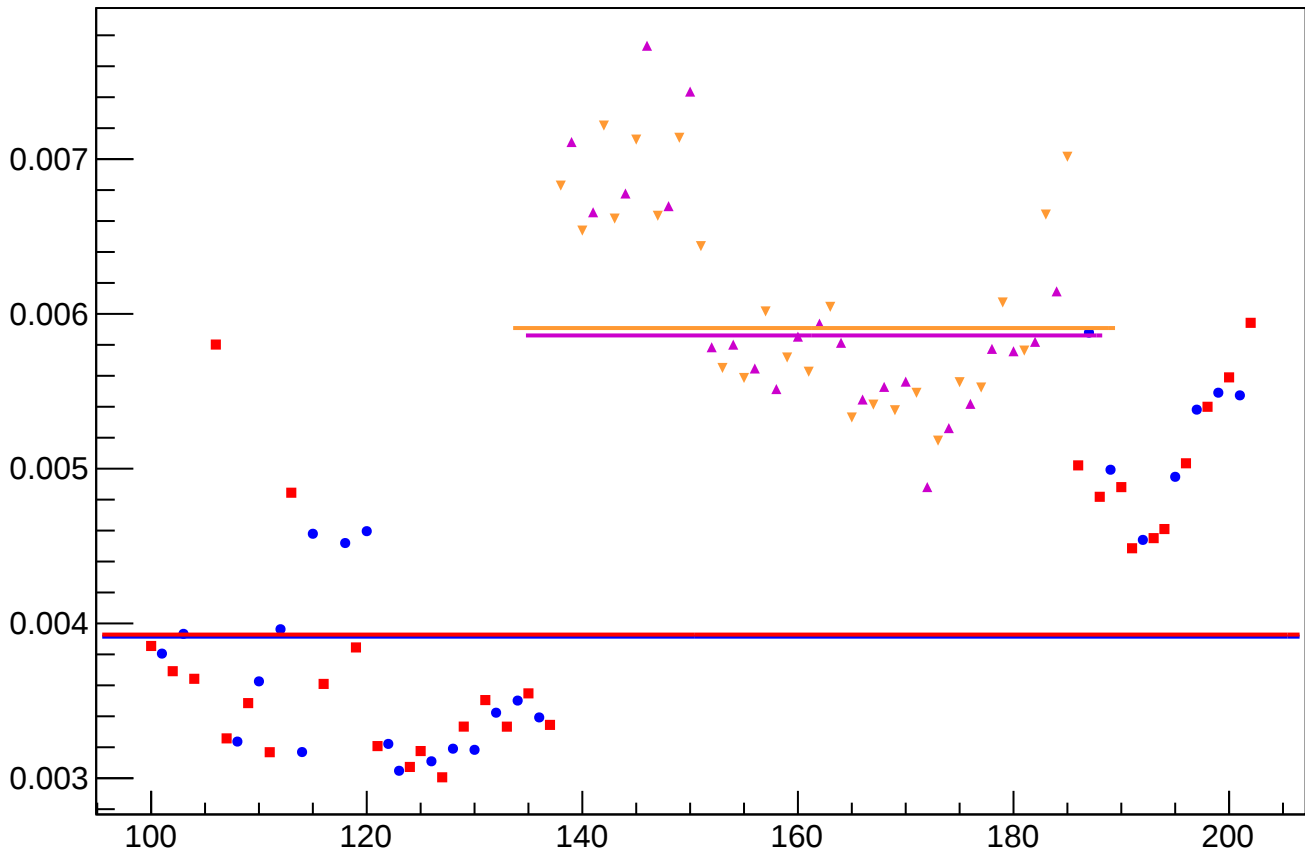
Left In: -0.034+/-0.000 χ^2/NDF : 113929060918.1/22

+ sign 0.048+/-0.000 χ^2/NDF : 970519186572.0/48

All: 0.068+/-0.000 χ^2/NDF : 2003662574668.

- sign 0.086+/-0.000 χ^2/NDF : 1032287974596.9/51

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 881291.8/23

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1090778.7/28

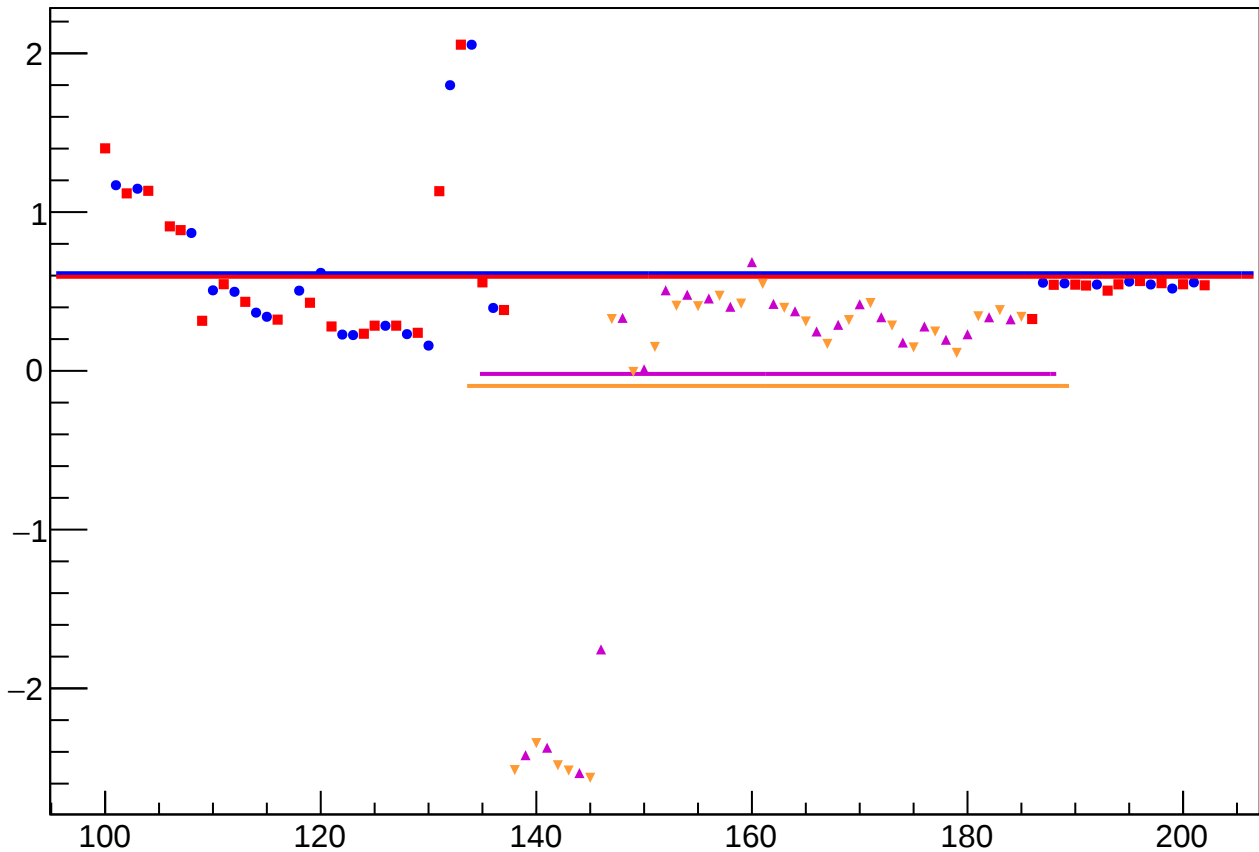
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3447300.1/48

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 7117310.9/100

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3657422.0/51

yield_bpm0l05X_mean vs Slug



Right In: 0.615 $\pm$ 0.000 χ^2 /NDF: 40186738659.8/23

Left Out: -0.095 $\pm$ 0.000 χ^2 /NDF: 505606573631.9/24

Right Out: 0.593 $\pm$ 0.000 χ^2 /NDF: 45730499868.2/28

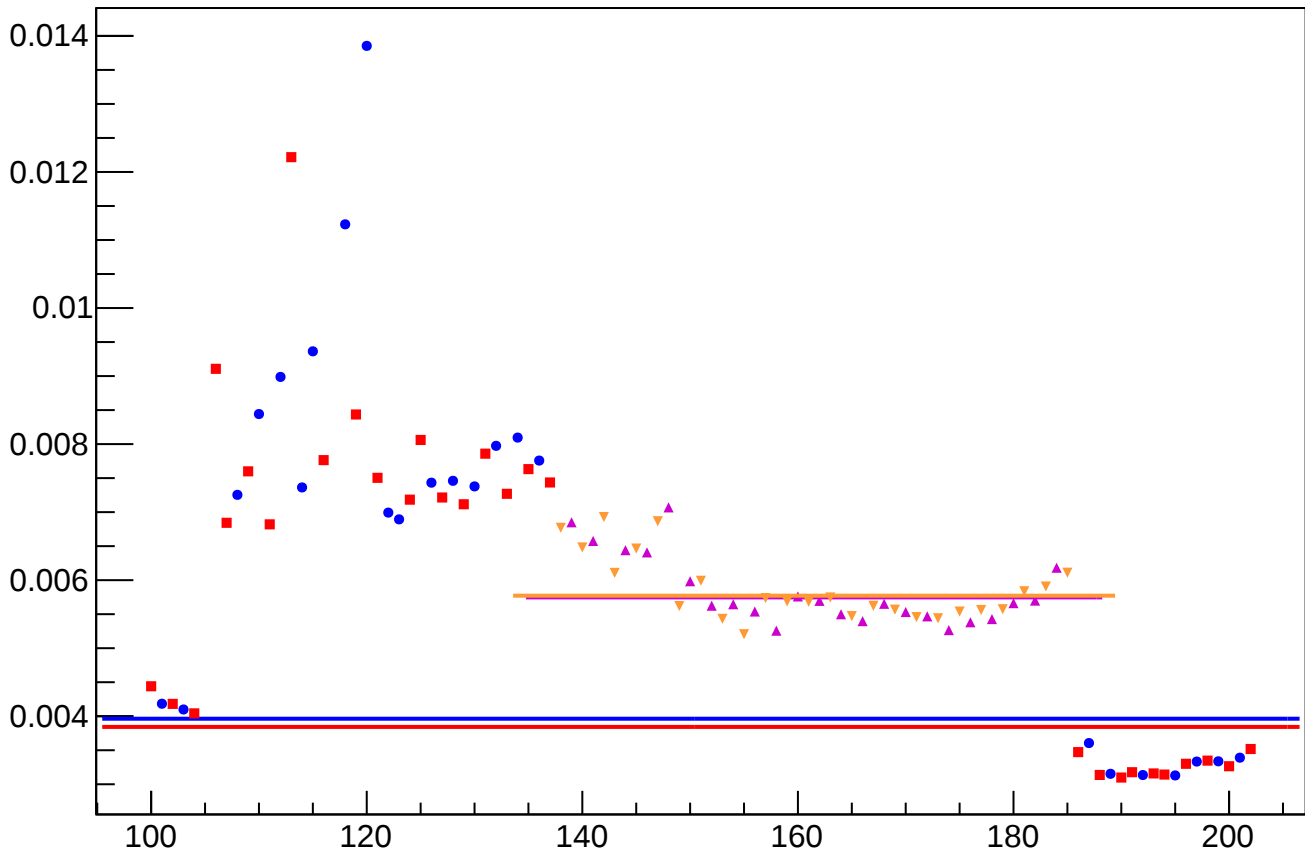
Left In: -0.019 $\pm$ 0.000 χ^2 /NDF: 417104863944.5/22

+ sign 0.278 $\pm$ 0.000 χ^2 /NDF: 682207633613.3/48

All: 0.316 $\pm$ 0.000 χ^2 /NDF: 1259043698115.

- sign 0.349 $\pm$ 0.000 χ^2 /NDF: 573948871692.7/51

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3034408.2/23

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

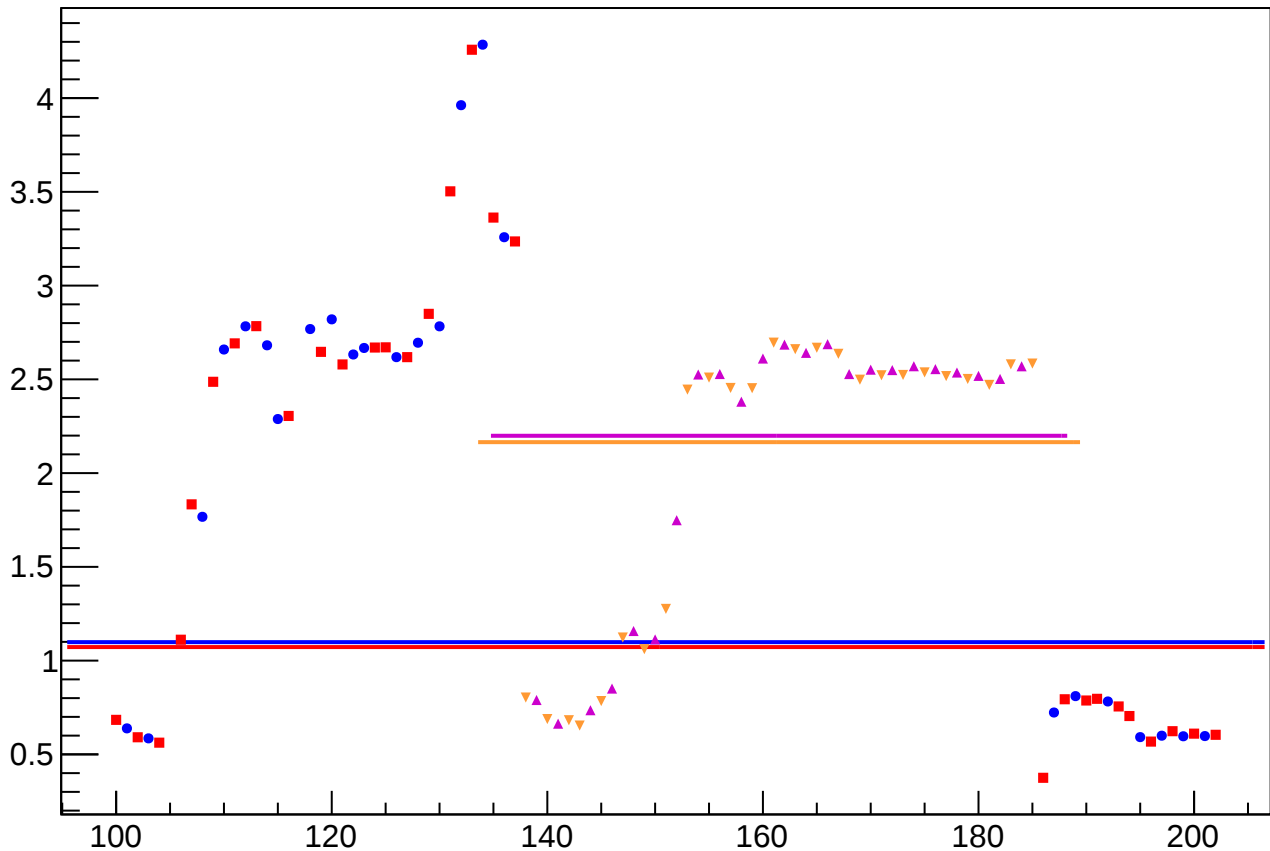
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4982873.4/48

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 10511759.5/100

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5472932.0/51

yield_bpm0l05Y_mean vs Slug



Right In: 1.099+/-0.000 χ^2/NDF : 274359679125.2/23

Left Out: 2.165+/-0.000 χ^2/NDF : 292800056899.6/24

Right Out: 1.072+/-0.000 χ^2/NDF : 328244855501.0/28

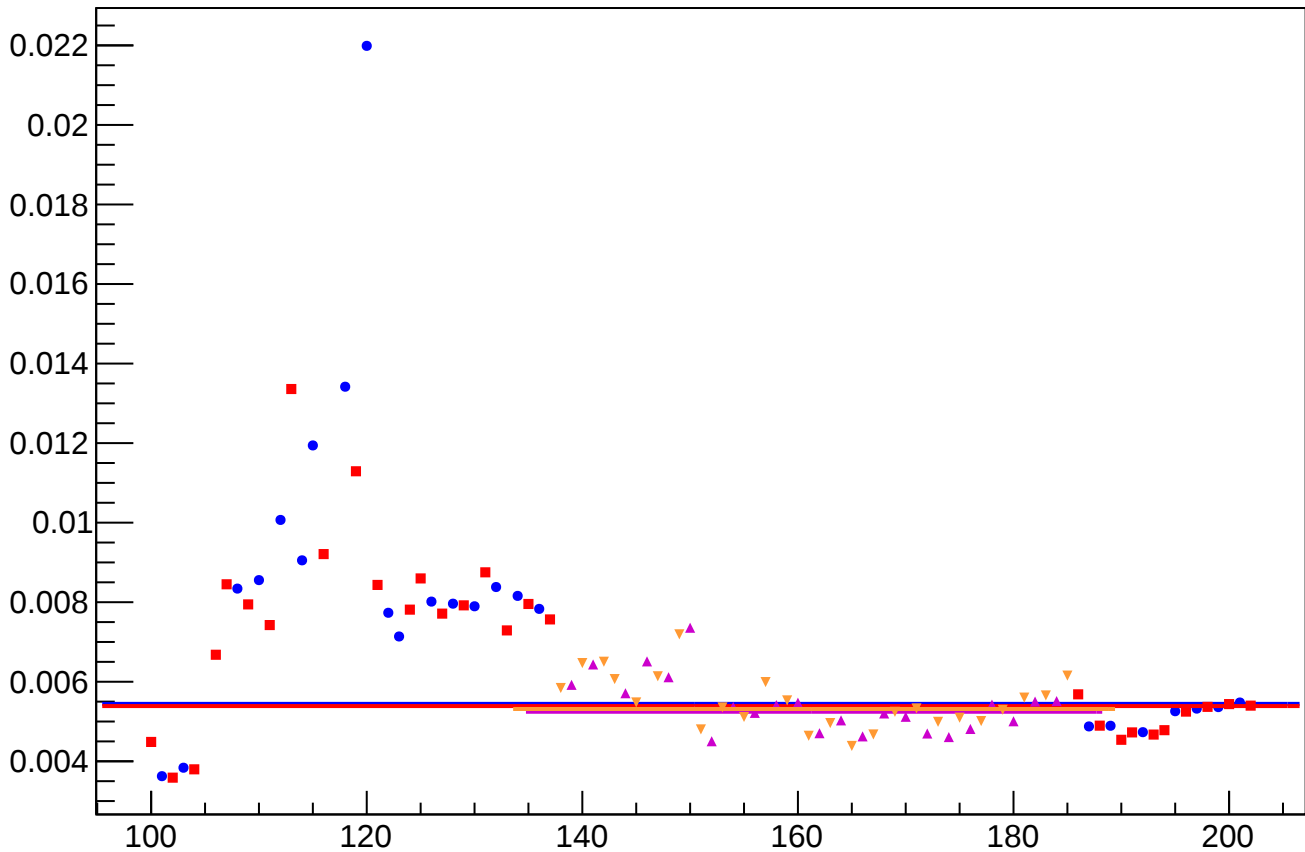
Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 1.793+/-0.000 χ^2/NDF : 800003414838.7/48

All: 1.766+/-0.000 χ^2/NDF : 1678597658521.0/51

- sign 1.740+/-0.000 χ^2/NDF : 877285890034.9/51

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2004766.5/23

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1876099.7/28

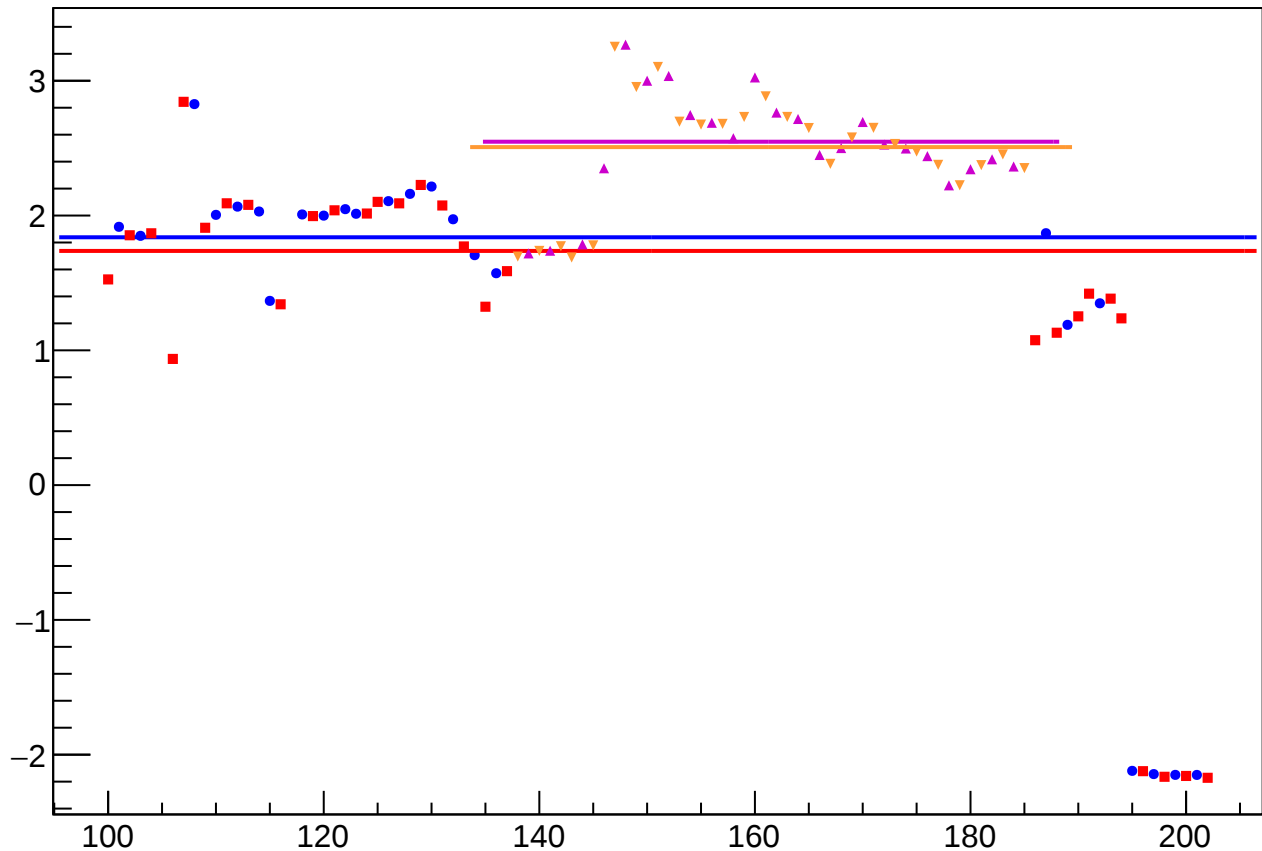
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2410340.8/48

All: 0.005+/-0.000 χ^2/NDF : 4724775.2/100

- sign 0.005+/-0.000 χ^2/NDF : 2311468.9/51

yield_bpm0l06X_mean vs Slug



Right In: 1.839 $\pm$ 0.000 χ^2 /NDF: 85877821936.4/23

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

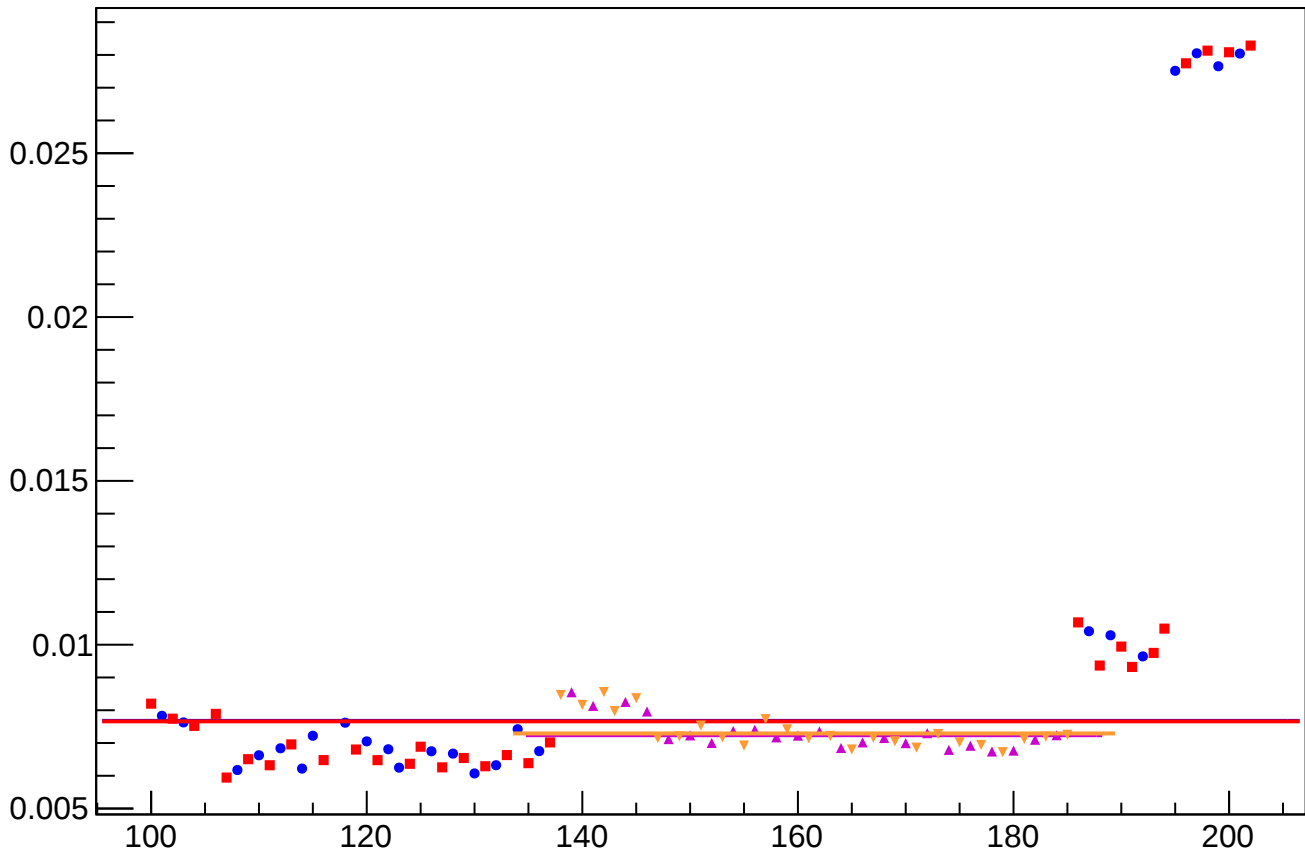
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.293 $\pm$ 0.000 χ^2 /NDF: 185496490192.0/48

All: 2.268 $\pm$ 0.000 χ^2 /NDF: 402404296566.5

- 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: 3770732.1/23

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

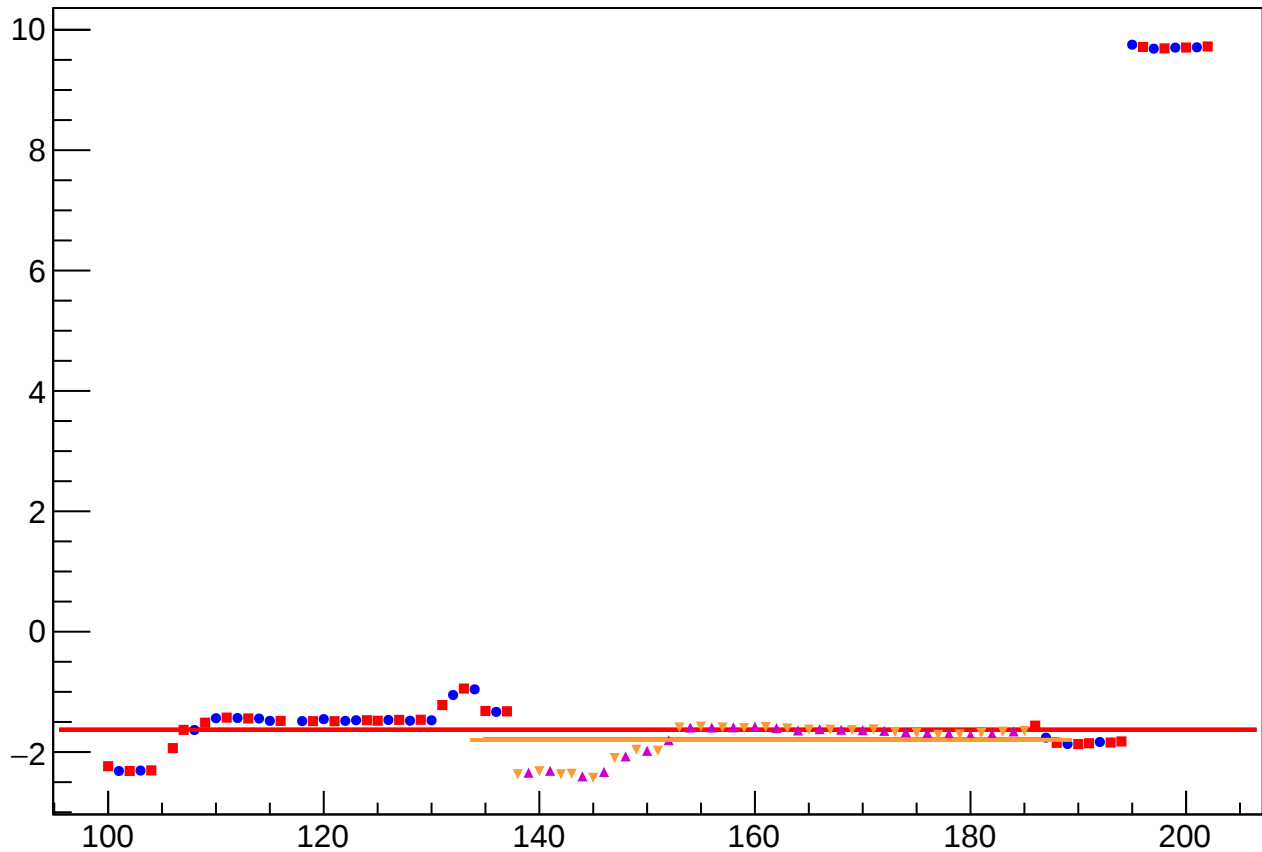
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3942585.8/48

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7931895.1/100

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3989136.2/51

yield_bpm0l06Y_mean vs Slug



Right In: -1.625+/-0.000 χ^2/NDF : 256537686058.6/23

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.632+/-0.000 χ^2/NDF : 259175631474.1/28

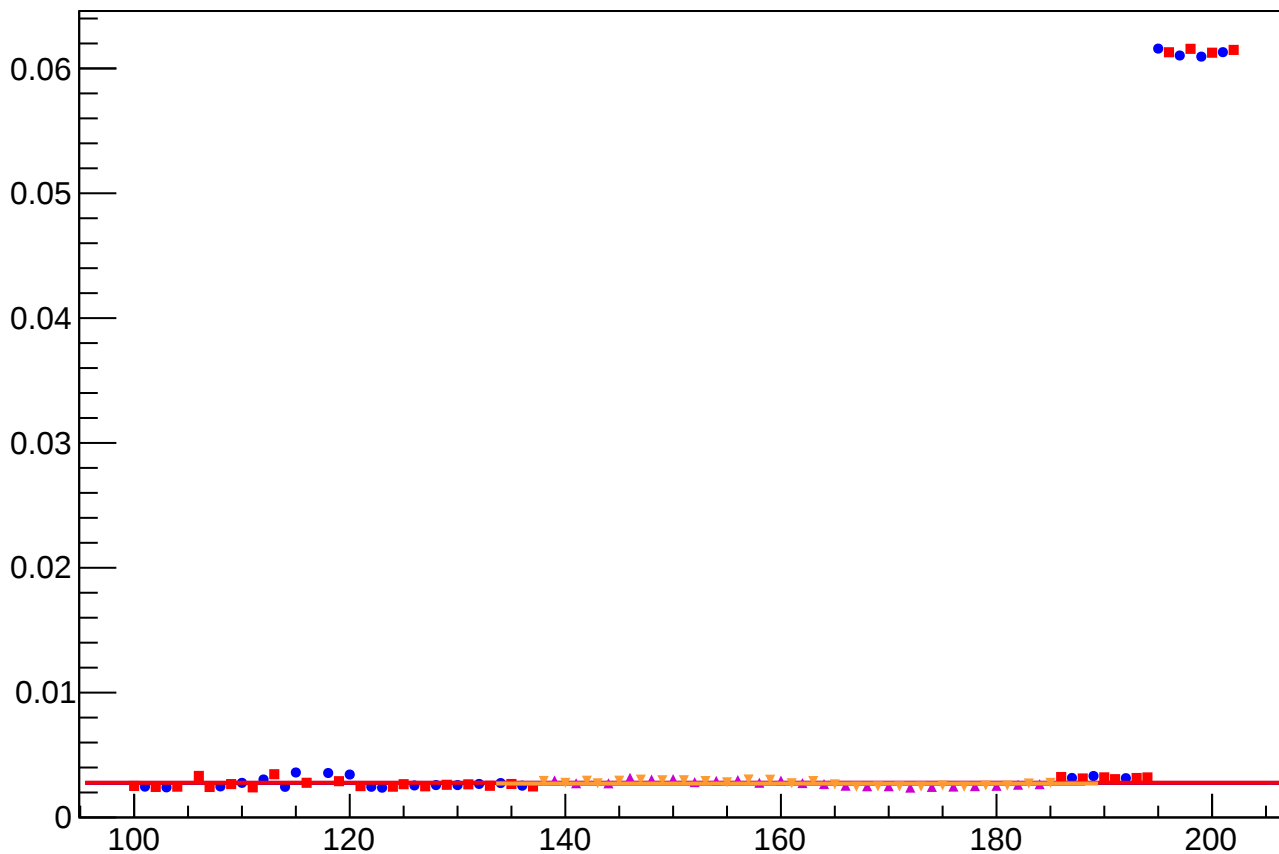
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.746+/-0.000 χ^2/NDF : 463672060125.8/48

All: -1.739+/-0.000 χ^2/NDF : 903327131513.4

- sign -1.733+/-0.000 χ^2/NDF : 439364368555.9/51

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 6047186.7/23

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5623670.1/28

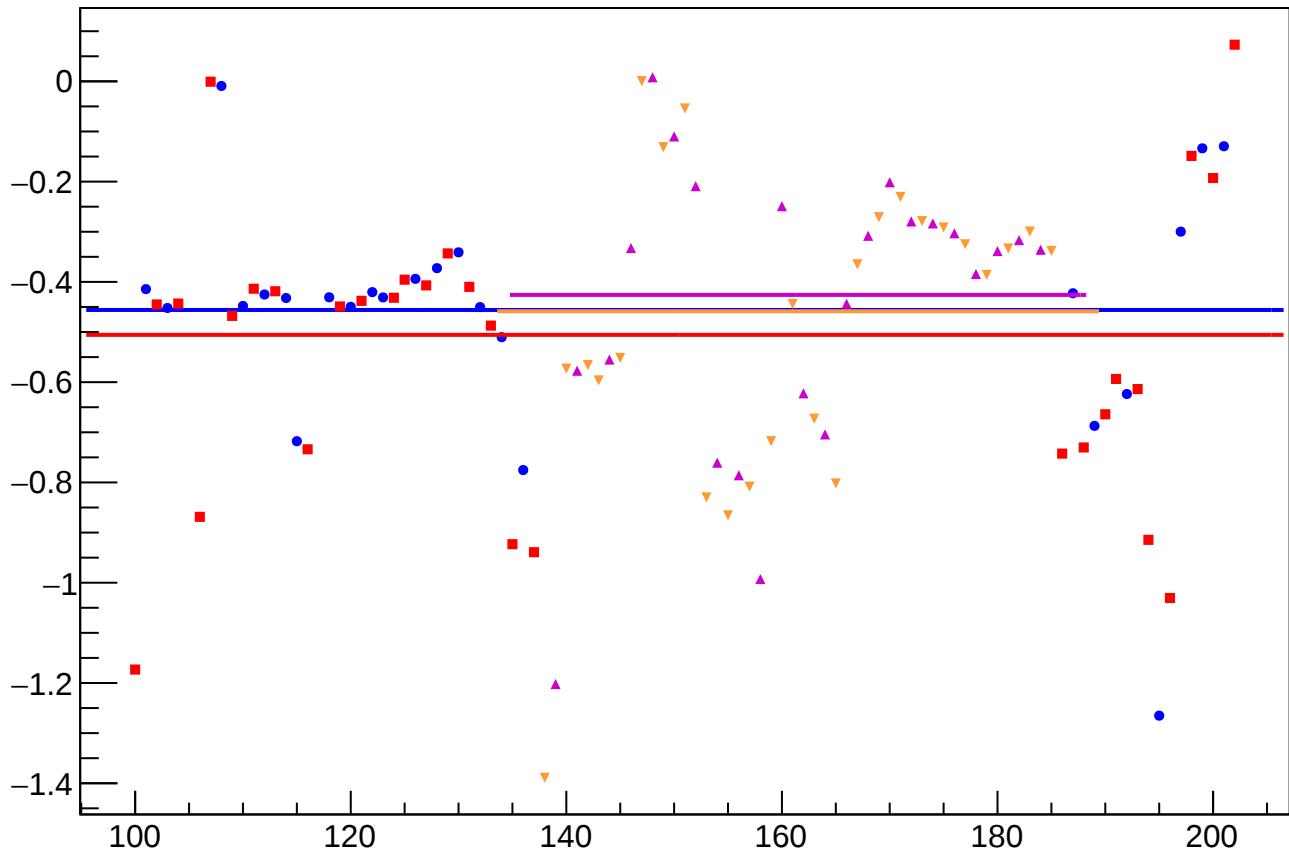
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 6250414.3/48

All: 0.003+/-0.000 χ^2/NDF : 12104666.6/100

- sign 0.003+/-0.000 χ^2/NDF : 5854199.7/51

yield_bpm0l07X_mean vs Slug



Right In: -0.456 ± 0.000 $\chi^2/\text{NDF}: 4103422245.9/23$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 9916462814.9/24$

Right Out: -0.506 ± 0.000 $\chi^2/\text{NDF}: 5374077507.1/28$

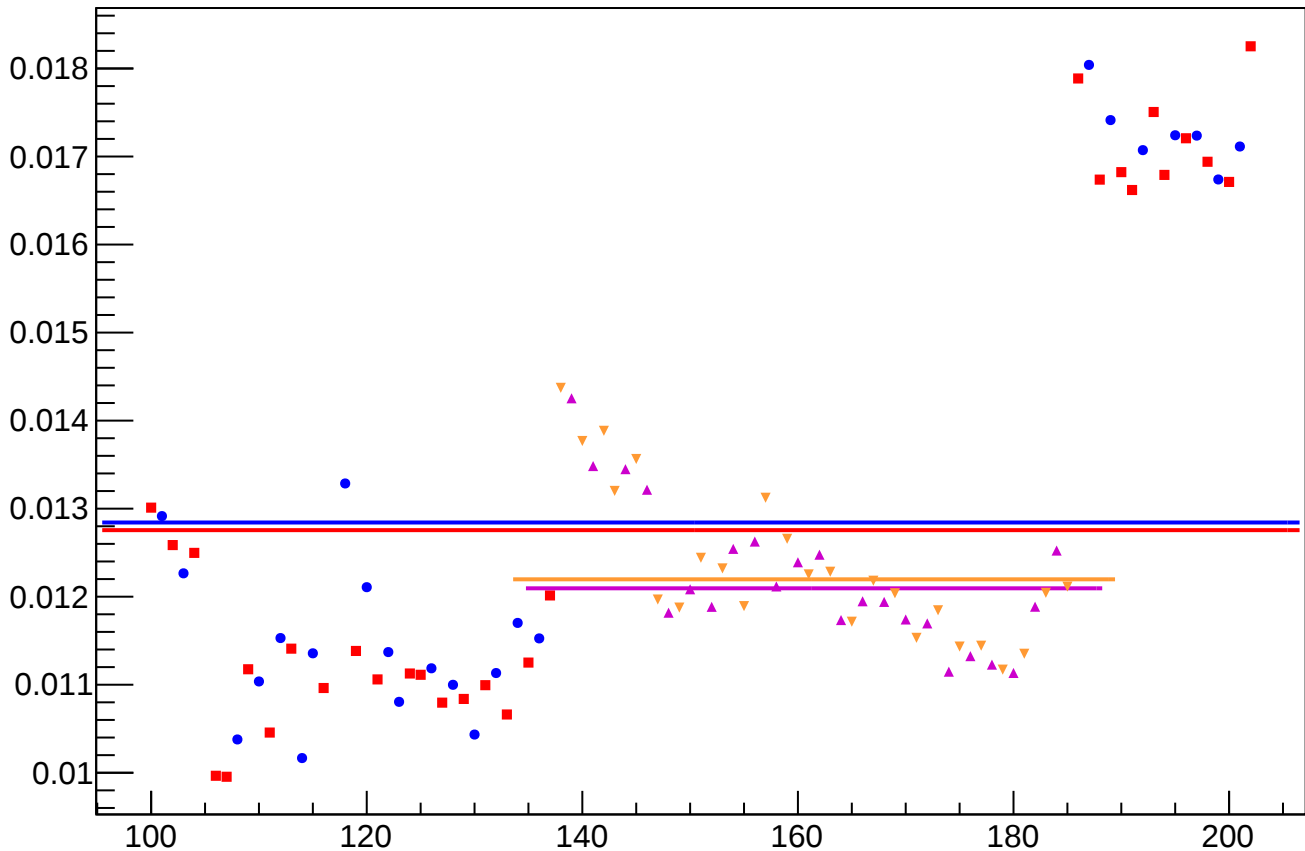
Left In: -0.426 ± 0.000 $\chi^2/\text{NDF}: 8424222576.0/22$

+ sign -0.458 ± 0.000 $\chi^2/\text{NDF}: 14020153108.4/48$

All: -0.458 ± 0.000 $\chi^2/\text{NDF}: 28111073110.6/100$

- sign -0.458 ± 0.000 $\chi^2/\text{NDF}: 14090868916.4/51$

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 836747.1/23

Left Out: 0.012+/-0.000 χ^2/NDF : 141850.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1174445.4/28

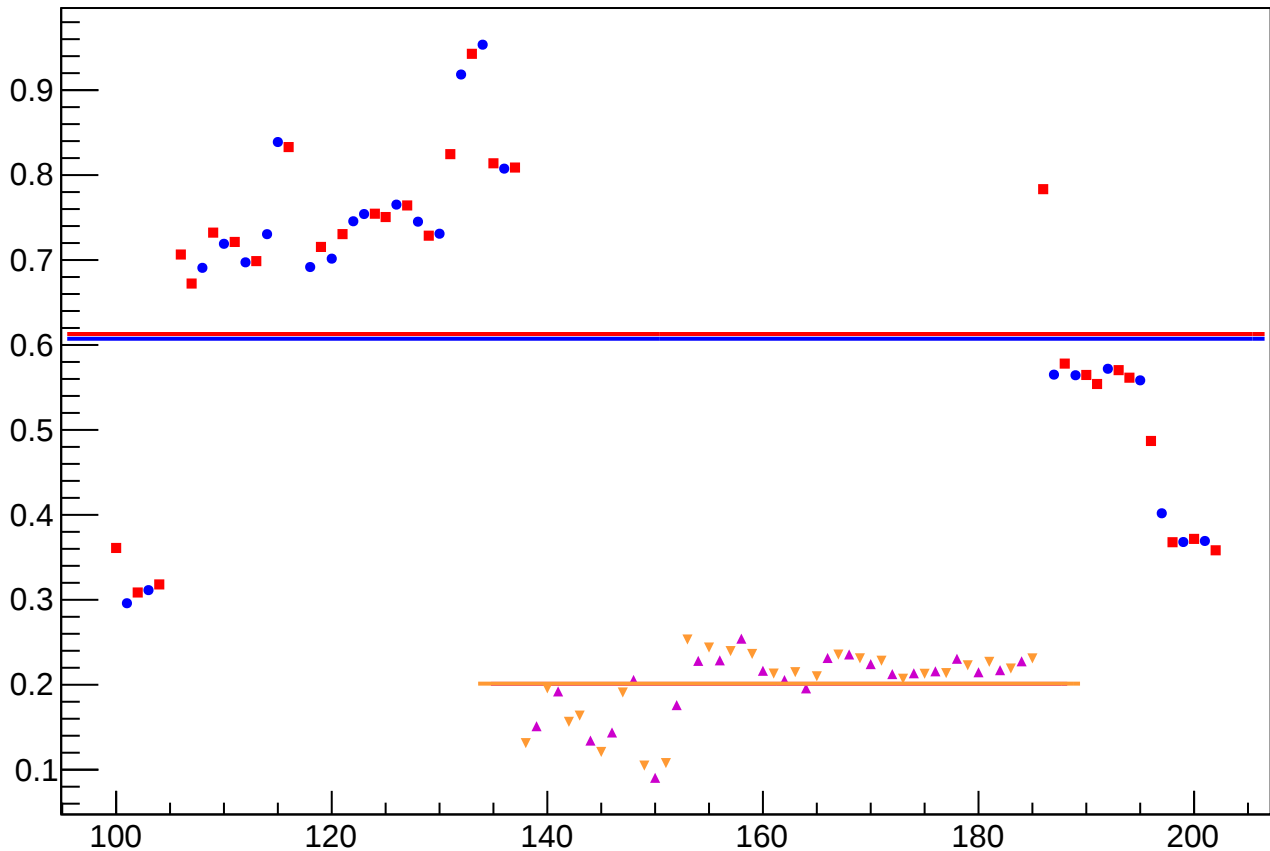
Left In: 0.012+/-0.000 χ^2/NDF : 127308.3/22

+ sign 0.012+/-0.000 χ^2/NDF : 1013520.0/48

All: 0.012+/-0.000 χ^2/NDF : 2356257.1/100

- sign 0.012+/-0.000 χ^2/NDF : 1342001.1/51

yield_bpm0l07Y_mean vs Slug



Right In: 0.607 $\pm$ 0.000 χ^2/NDF : 57674037034.9/23

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

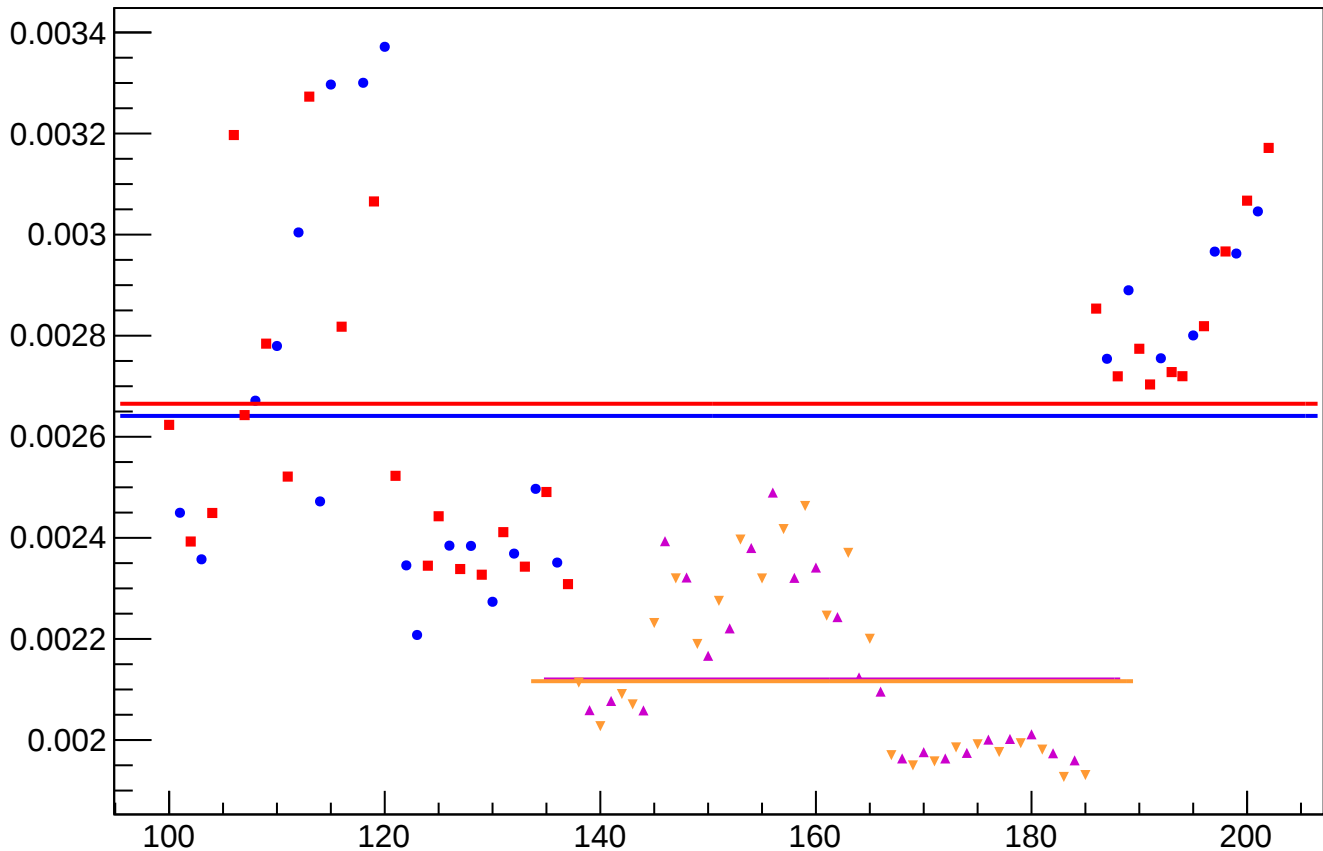
Left In: 0.201 $\pm$ 0.000 χ^2/NDF : 5671770181.2/22

+ sign 0.314 $\pm$ 0.000 χ^2/NDF : 250655945864.3/48

All: 0.324 $\pm$ 0.000 χ^2/NDF : 524484247424.2

- 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 : 290603.0/23

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 248422.5/28

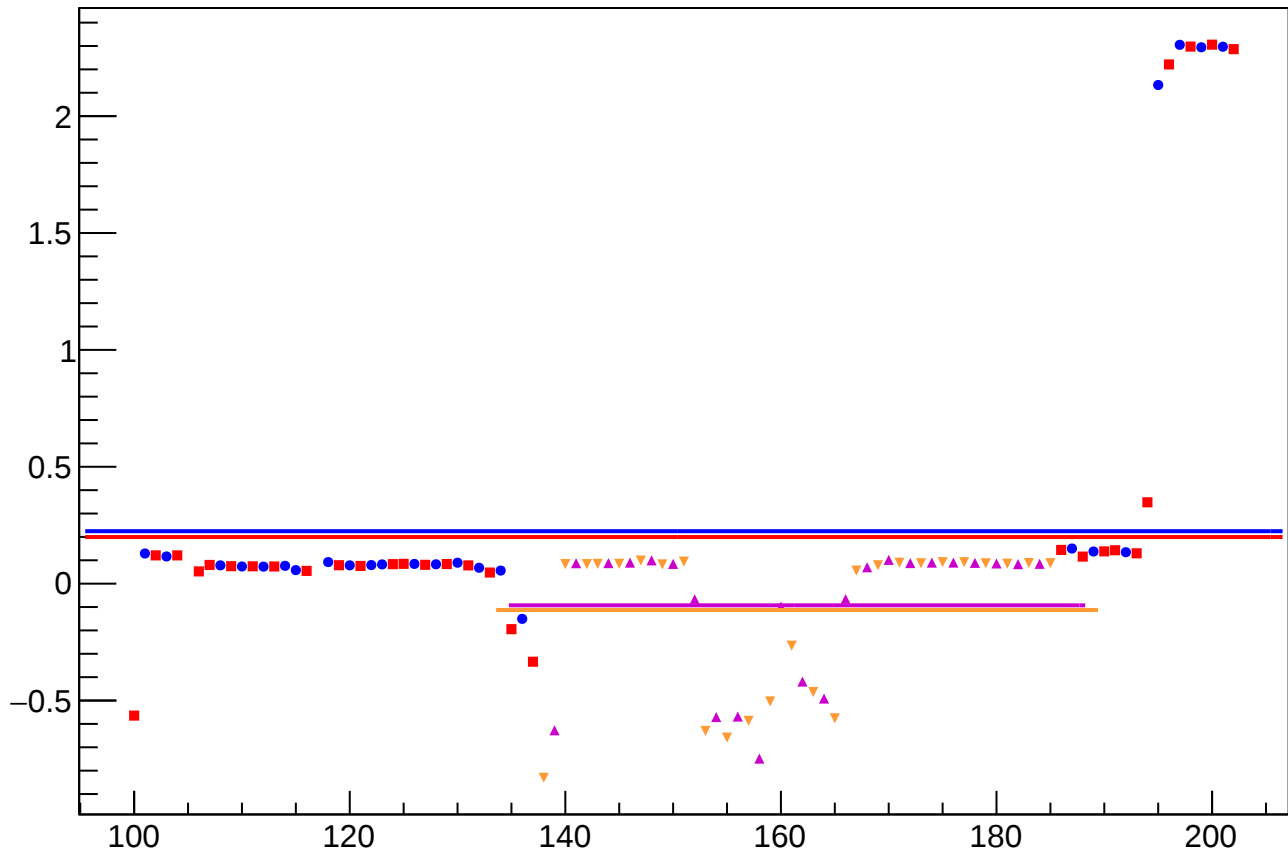
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 1136432.6/48

All: 0.002+/-0.000 χ^2/NDF : 2311205.3/100

- sign 0.002+/-0.000 χ^2/NDF : 1168648.8/51

yield_bpm0l08X_mean vs Slug



Right In: 0.224+/-0.000 χ^2/NDF : 26750577224.9/23

Left Out: -0.113+/-0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.199+/-0.000 χ^2/NDF : 27876418428.4/28

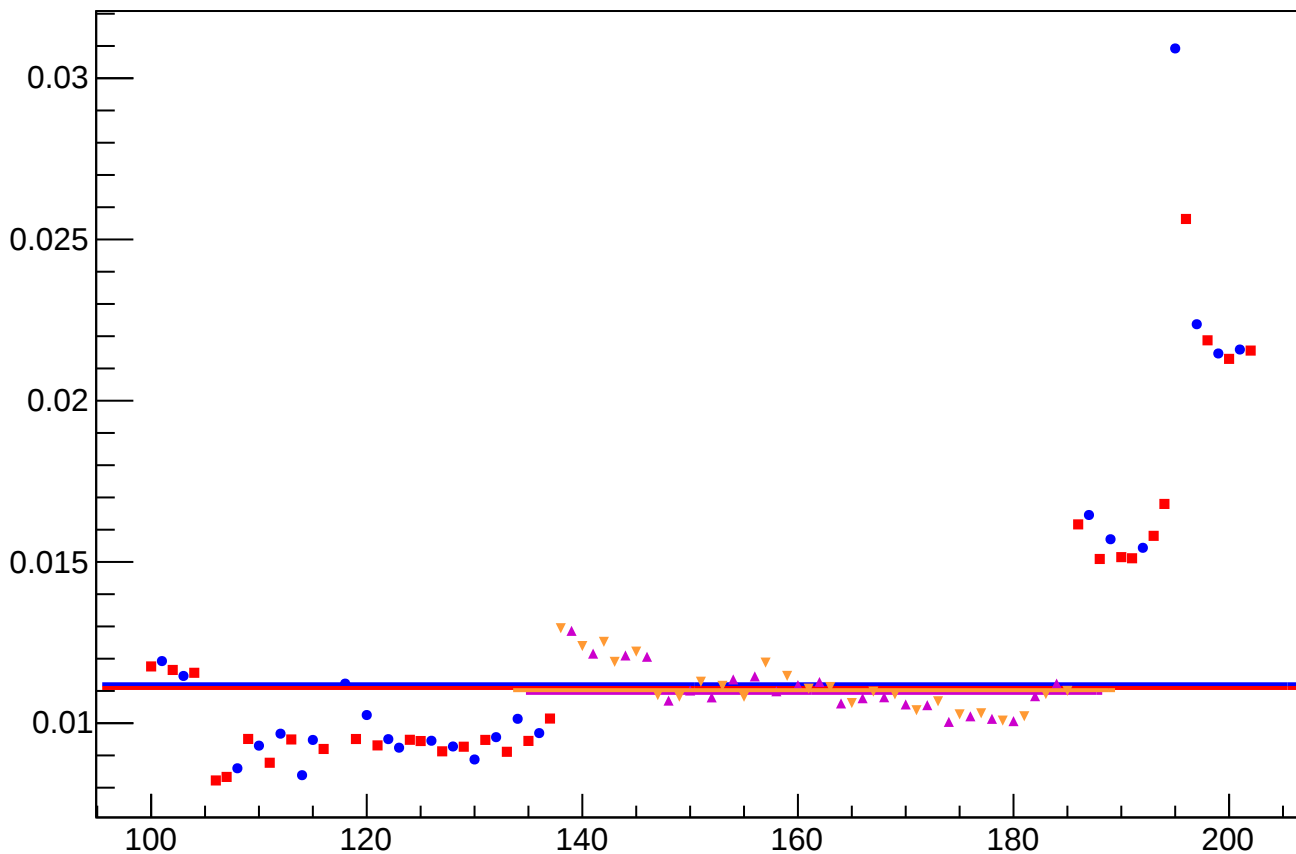
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign 0.006+/-0.000 χ^2/NDF : 46237982075.1/48

All: 0.017+/-0.000 χ^2/NDF : 90064362758.5/100

- sign 0.027+/-0.000 χ^2/NDF : 43777605130.3/51

yield_bpm0l08X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2413978.8/23

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:141501.7/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 2625473.0/28

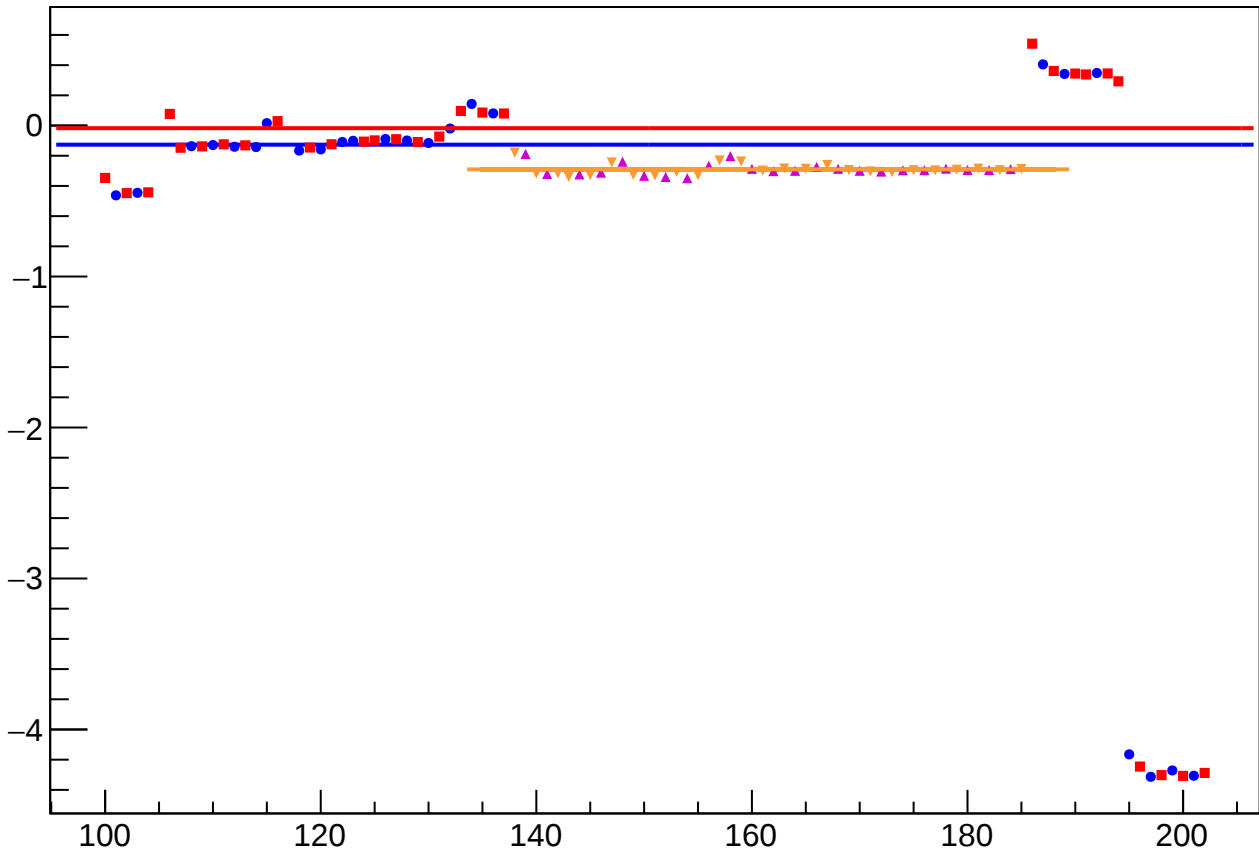
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:128914.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2558892.7/48

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5317575.1/100

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2756993.3/51

yield_bpm0l08Y_mean vs Slug



Right In: -0.127 ± 0.000 $\chi^2/\text{NDF}: 180931405329.9/23$

Left Out: -0.290 ± 0.000 $\chi^2/\text{NDF}: 2877519093.0/24$

Right Out: -0.017 ± 0.000 $\chi^2/\text{NDF}: 202374777928.2/28$

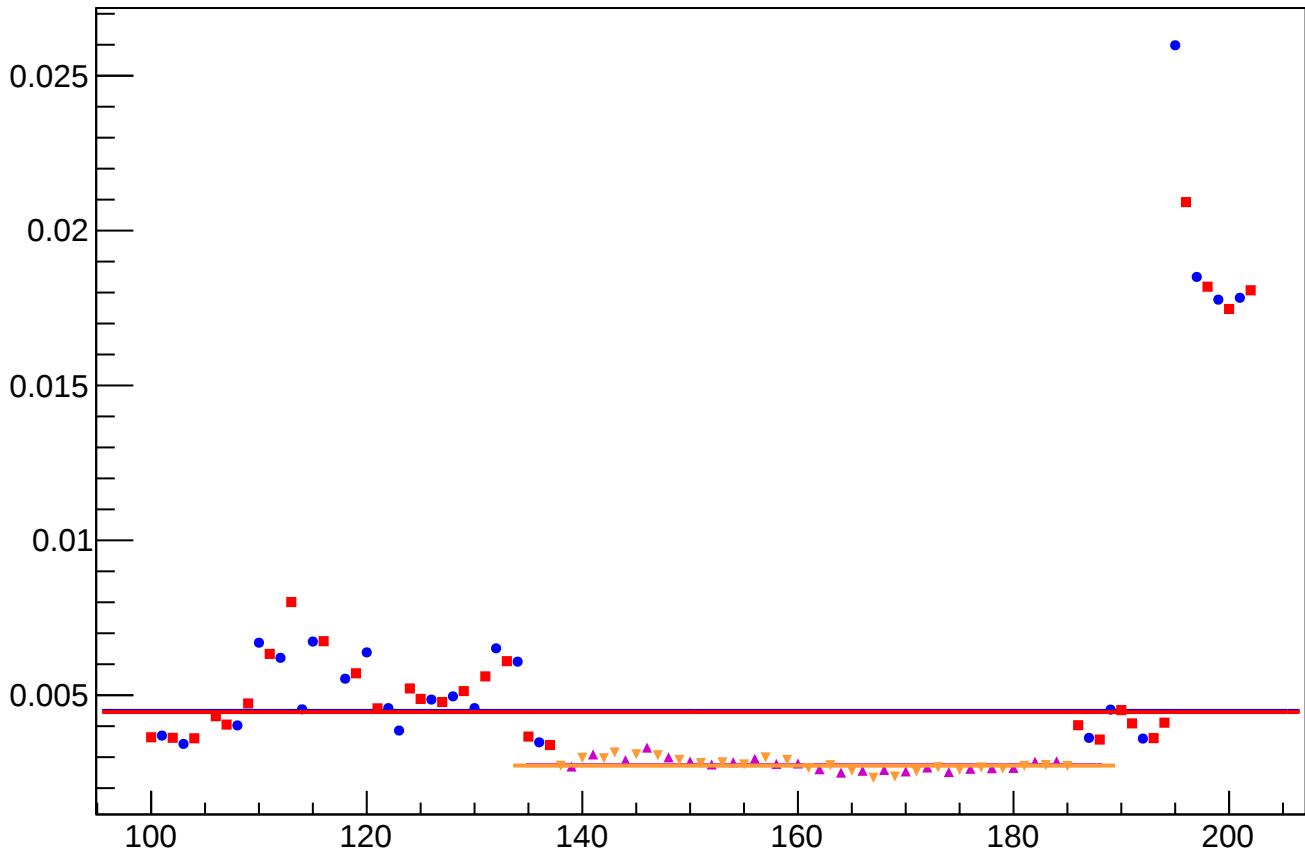
Left In: -0.291 ± 0.000 $\chi^2/\text{NDF}: 3125402243.3/22$

+ sign -0.266 ± 0.000 $\chi^2/\text{NDF}: 193343294217.1/48$

All: -0.252 ± 0.000 $\chi^2/\text{NDF}: 431628022365.5$

- sign -0.238 ± 0.000 $\chi^2/\text{NDF}: 237259541850.7/51$

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 4531833.2/23

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

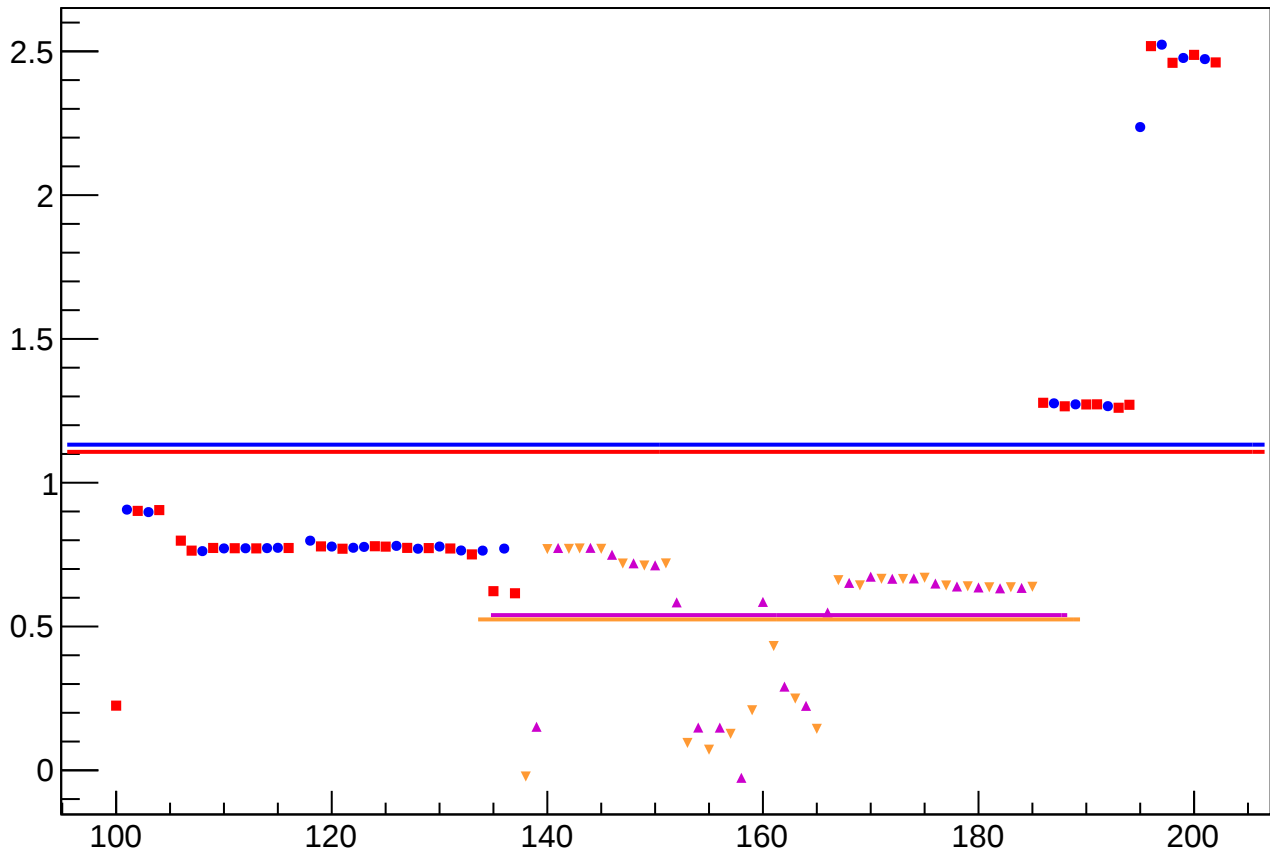
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6954313.7/48

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 13816467.3/100

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6845342.0/51

yield_bpm0l09X_mean vs Slug



Right In: 1.132 $\pm$ 0.000 χ^2/NDF : 30030414248.9/23

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

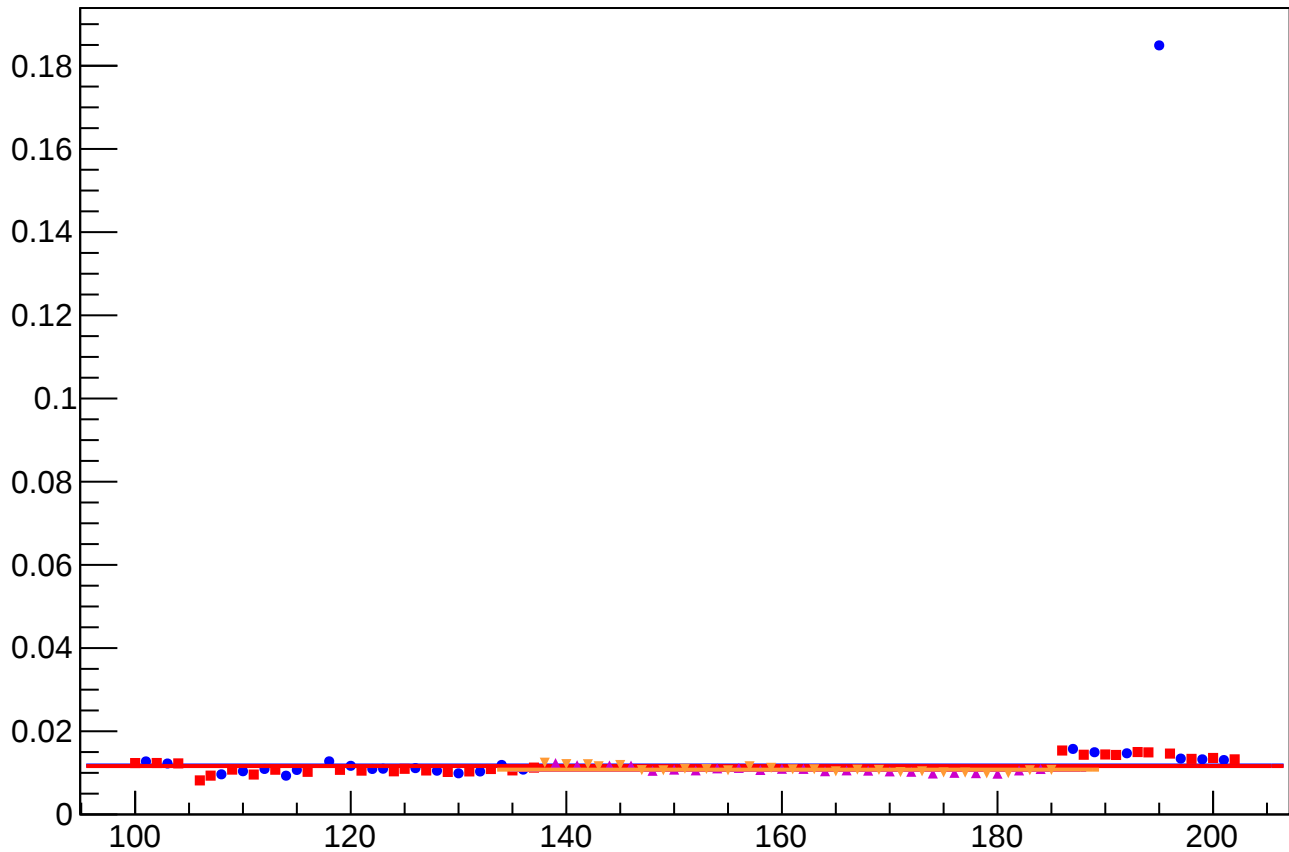
Left In: 0.540 $\pm$ 0.000 χ^2/NDF : 7860539135.5/22

+ sign 0.722 $\pm$ 0.000 χ^2/NDF : 57920255901.6/48

All: 0.740 $\pm$ 0.000 χ^2/NDF : 117473484142.2

- 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: 1830293.5/23

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

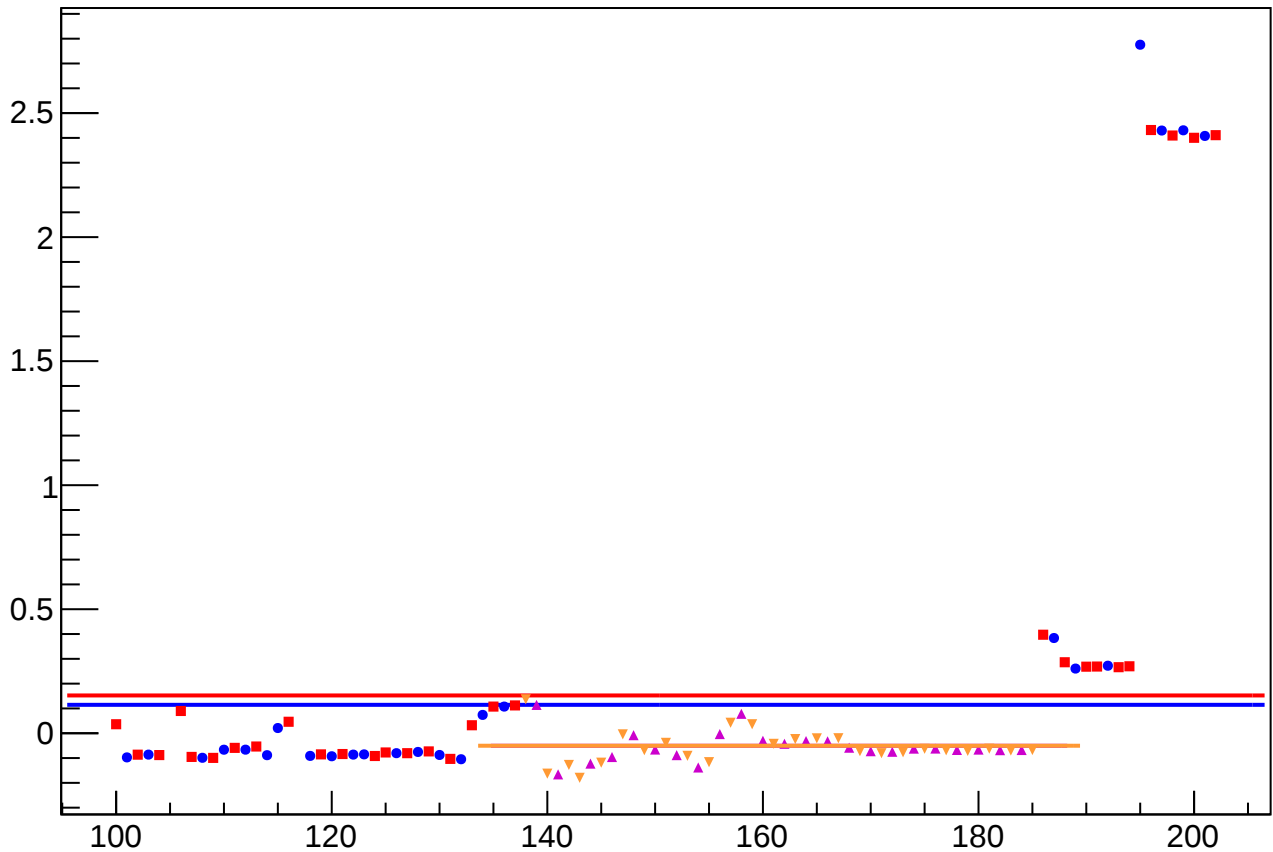
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2060995.7/48

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 2949278.8/100

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 887859.8/51

yield_bpm0l09Y_mean vs Slug



Right In: 0.115+/-0.000 χ^2/NDF : 84318025997.4/23

Left Out: -0.050+/-0.000 χ^2/NDF : 7271496478.6/24

Right Out: 0.152+/-0.000 χ^2/NDF : 88429590127.1/28

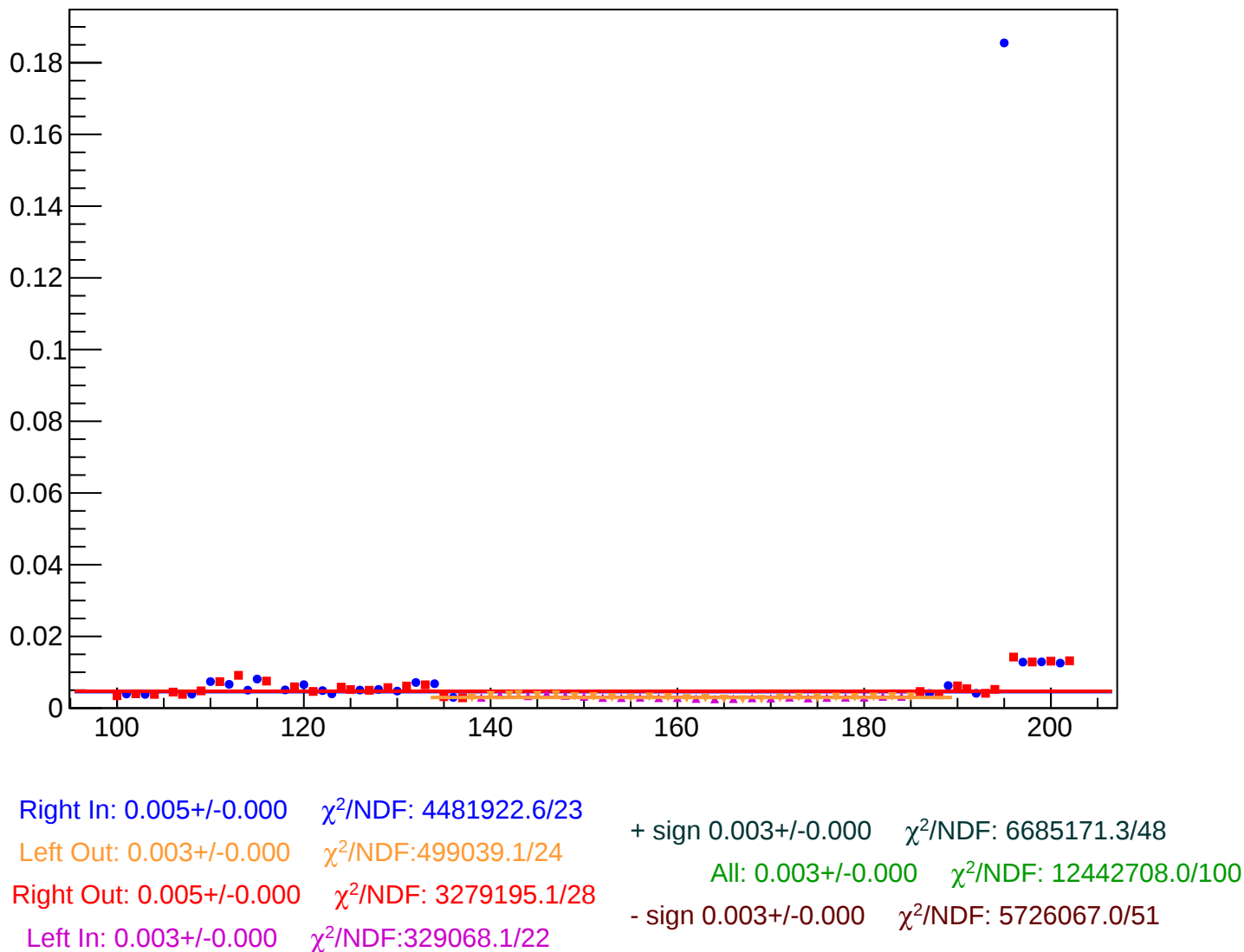
Left In: -0.051+/-0.000 χ^2/NDF : 6128769990.8/22

+ sign -0.023+/-0.000 χ^2/NDF : 100379447166.8/48

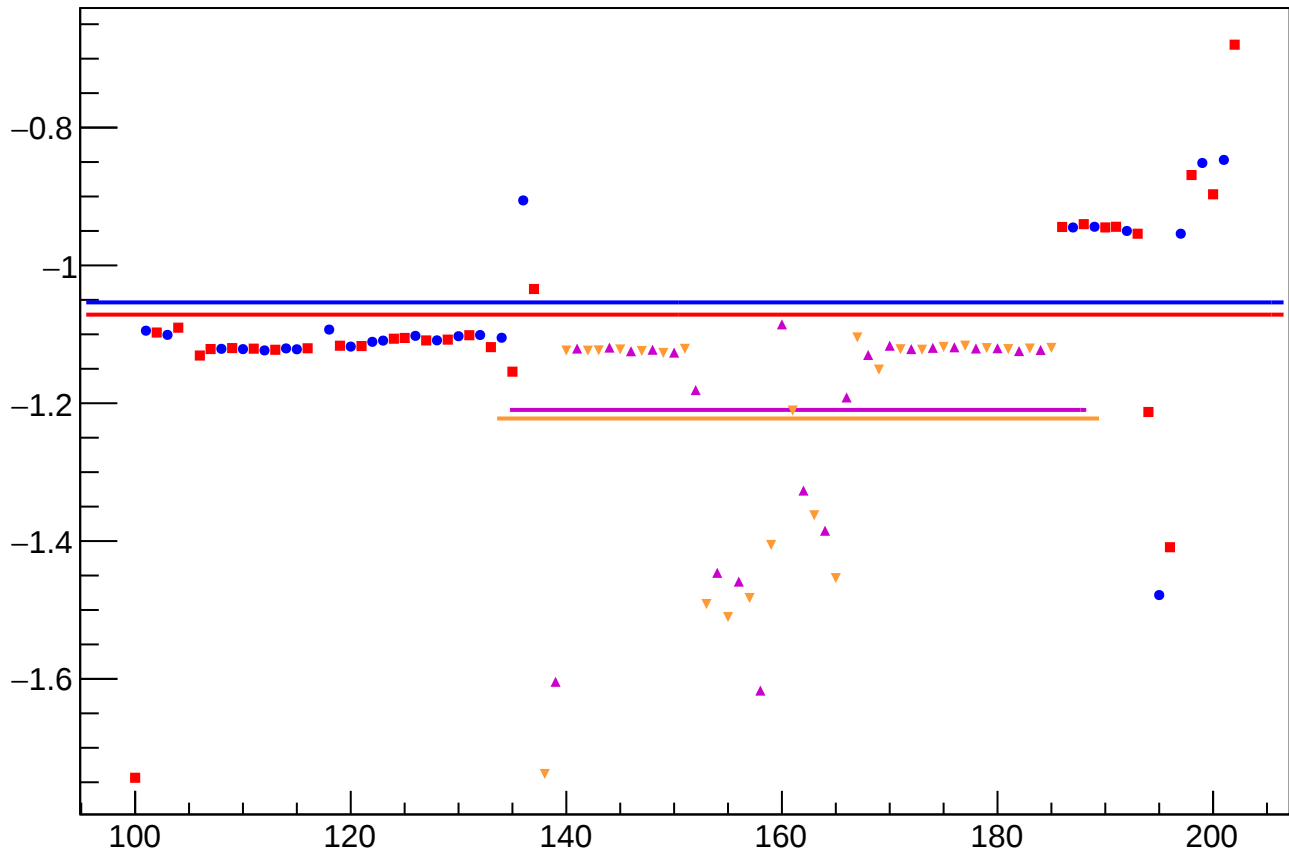
All: -0.016+/-0.000 χ^2/NDF : 210076263075.0

- sign -0.009+/-0.000 χ^2/NDF : 109486481936.2/51

yield_bpm0l09Y_rms vs Slug



yield_bpm0l10X_mean vs Slug



Right In: -1.054+/-0.000 χ^2/NDF : 1699038152.4/23

Left Out: -1.222+/-0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.071+/-0.000 χ^2/NDF : 2012240149.3/28

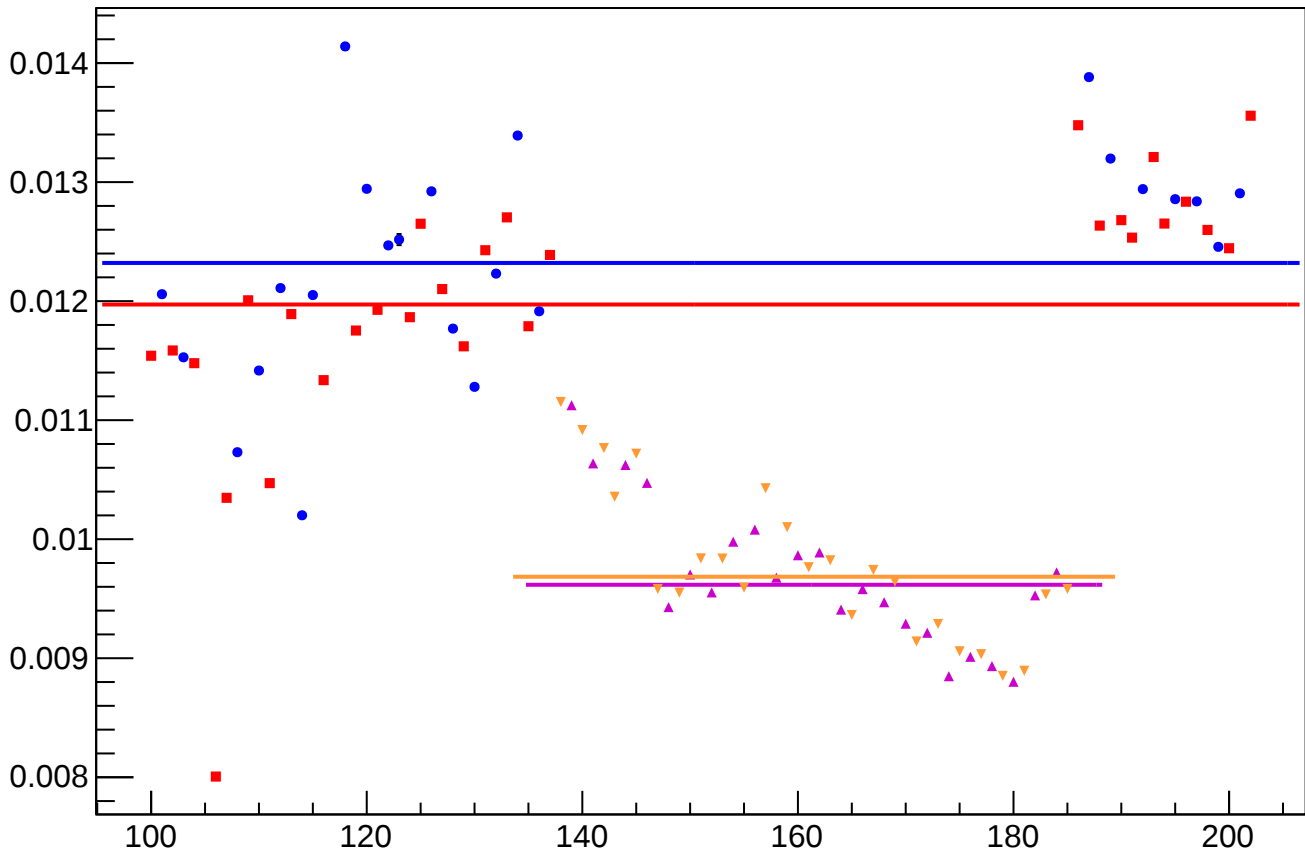
Left In: -1.210+/-0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.175+/-0.000 χ^2/NDF : 8470342478.2/48

All: -1.169+/-0.000 χ^2/NDF : 16162439953.6/51

- 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: 89260.0/23

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

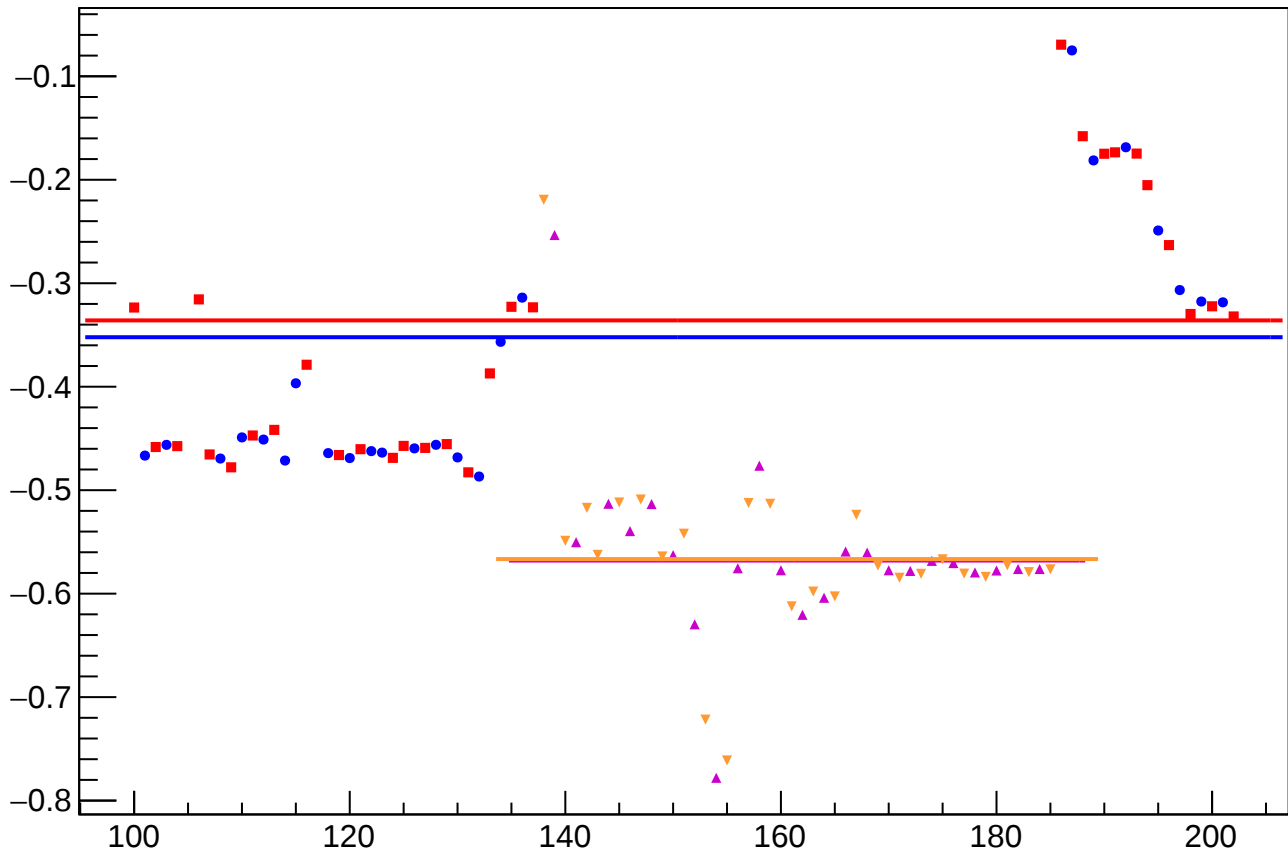
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 954872.1/48

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1998875.4/100

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1043966.8/51

yield_bpm0l10Y_mean vs Slug



Right In: -0.352+/-0.000 χ^2/NDF : 7676033404.3/23

Left Out: -0.567+/-0.000 χ^2/NDF :13368458519.3/24

Right Out: -0.336+/-0.000 χ^2/NDF : 10334548770.5/28

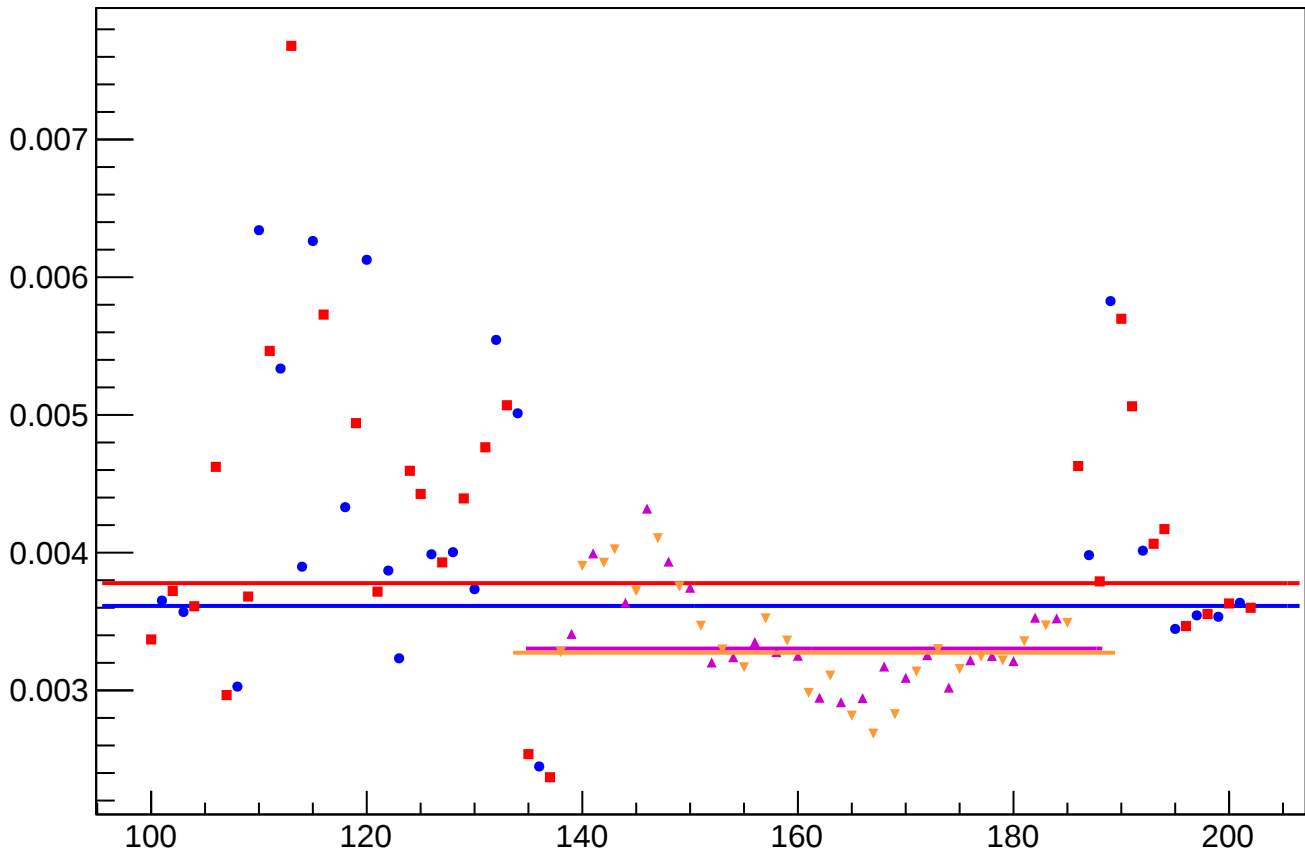
Left In: -0.568+/-0.000 χ^2/NDF :10458990019.9/22

+ sign -0.498+/-0.000 χ^2/NDF : 44696056525.8/48

All: -0.491+/-0.000 χ^2/NDF : 94318680657.0/51

- 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: 992758.5/23

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

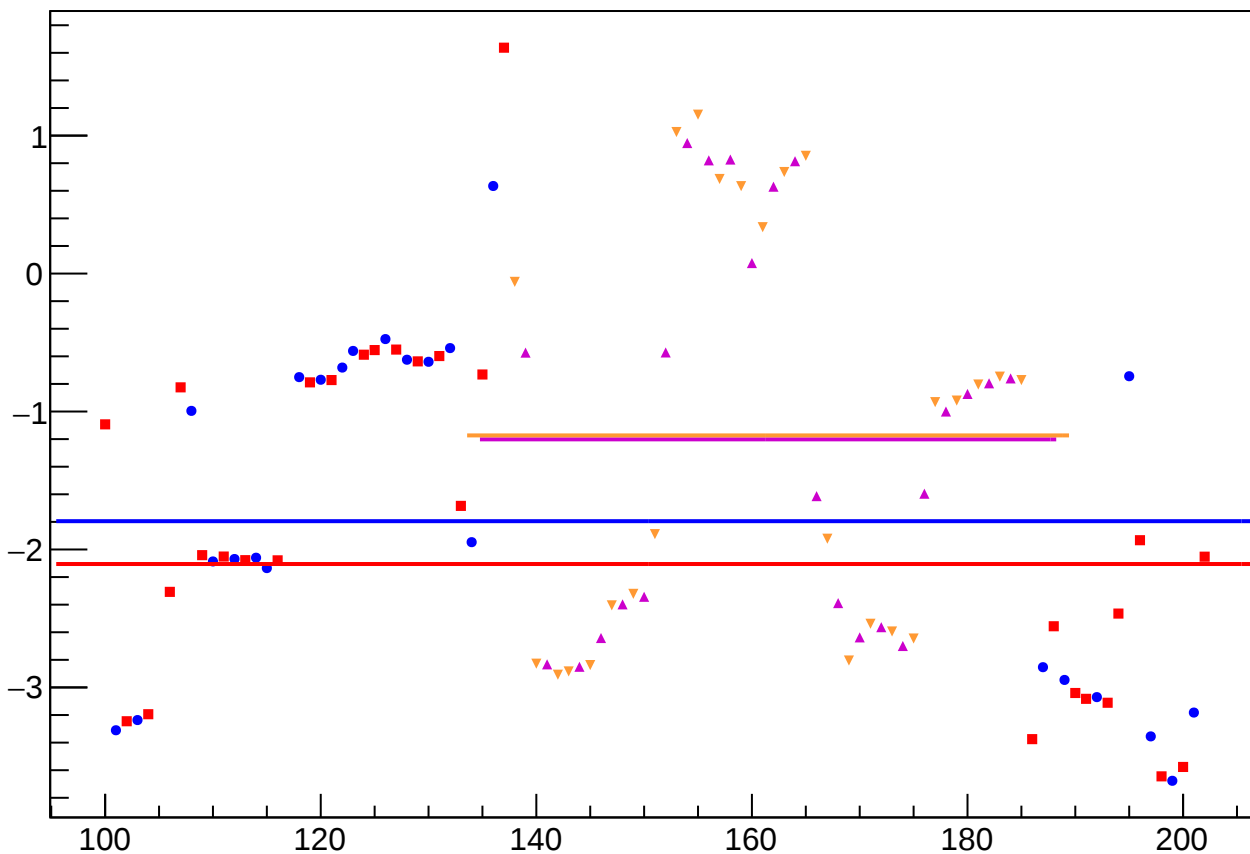
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1506385.8/48

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3112030.4/100

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1585967.3/51

yield_bpm0r03X_mean vs Slug



Right In: -1.795+/-0.000 χ^2/NDF : 3941091940.7/23

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -2.105+/-0.000 χ^2/NDF : 3106777557.7/28

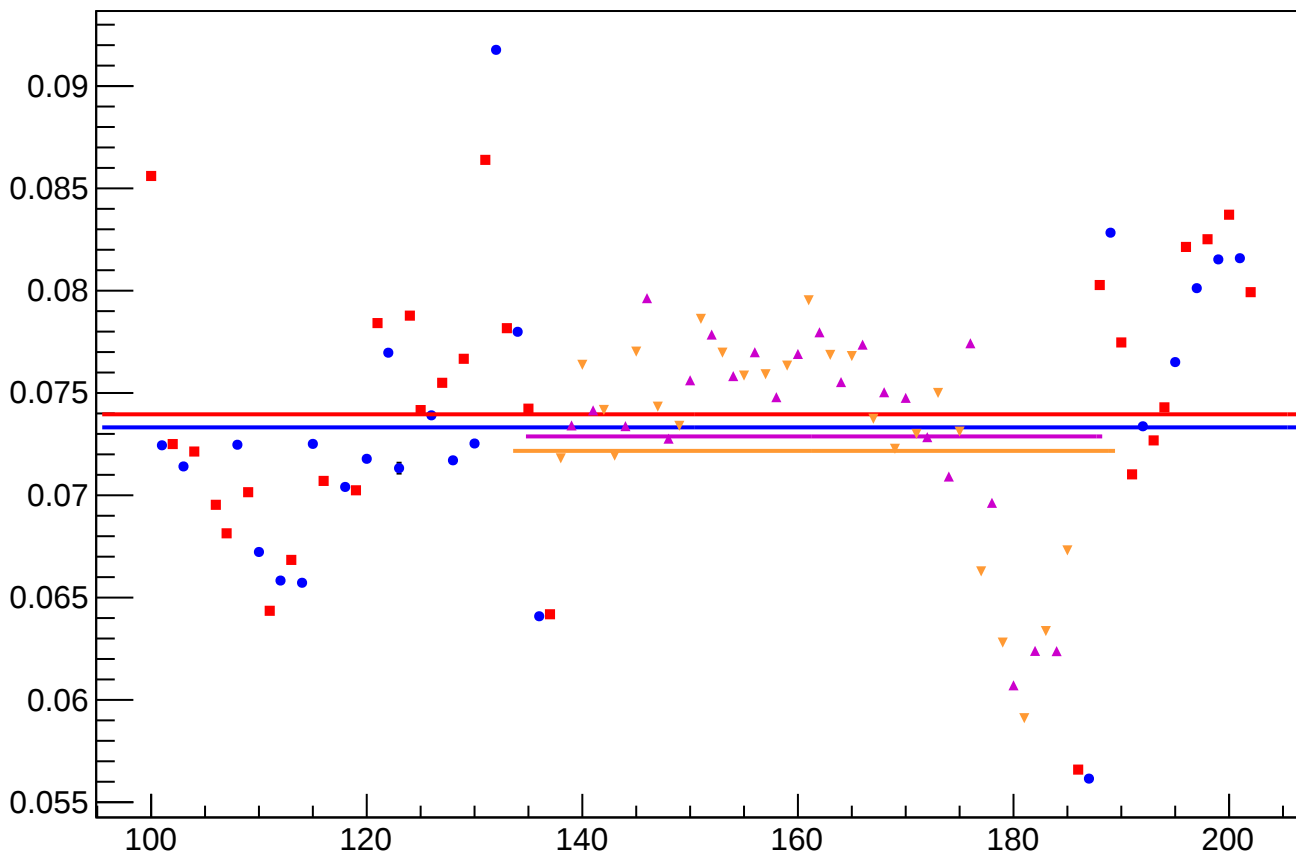
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.406+/-0.000 χ^2/NDF : 11324990685.1/48

All: -1.499+/-0.000 χ^2/NDF : 21255948246.7/51

- sign -1.591+/-0.000 χ^2/NDF : 9835919449.0/51

yield_bpm0r03X_rms vs Slug



Right In: 0.073+/-0.000 χ^2/NDF : 175837.0/23

Left Out: 0.072+/-0.000 χ^2/NDF : 222263.8/24

Right Out: 0.074+/-0.000 χ^2/NDF : 221762.0/28

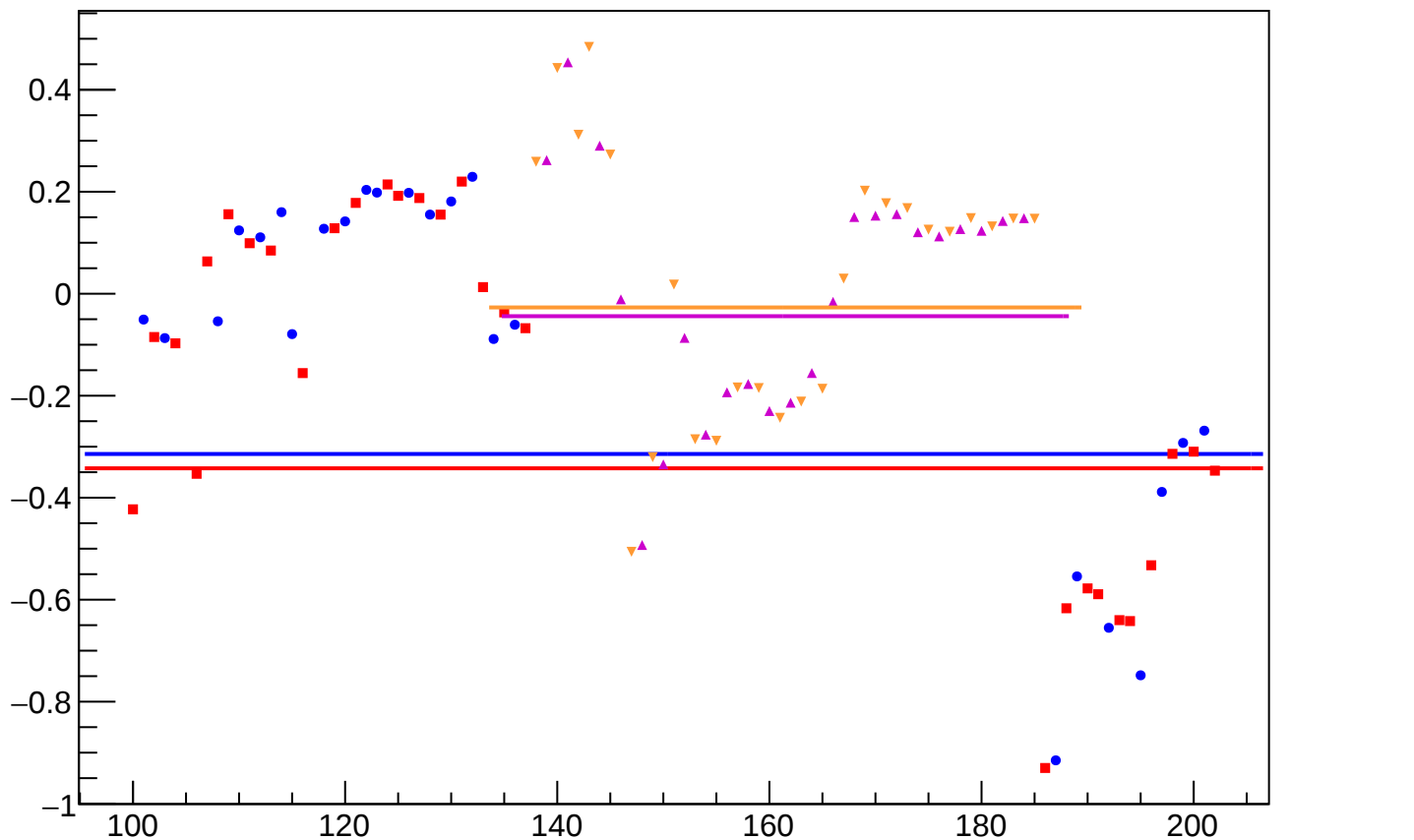
Left In: 0.073+/-0.000 χ^2/NDF : 183503.0/22

+ sign 0.073+/-0.000 χ^2/NDF : 401526.5/48

All: 0.073+/-0.000 χ^2/NDF : 813062.2/100

- sign 0.073+/-0.000 χ^2/NDF : 408477.1/51

yield_bpm0r03Y_mean vs Slug



Right In: -0.314 ± 0.000 $\chi^2/\text{NDF}: 12053493278.3/23$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.342 ± 0.000 $\chi^2/\text{NDF}: 10940499890.9/28$

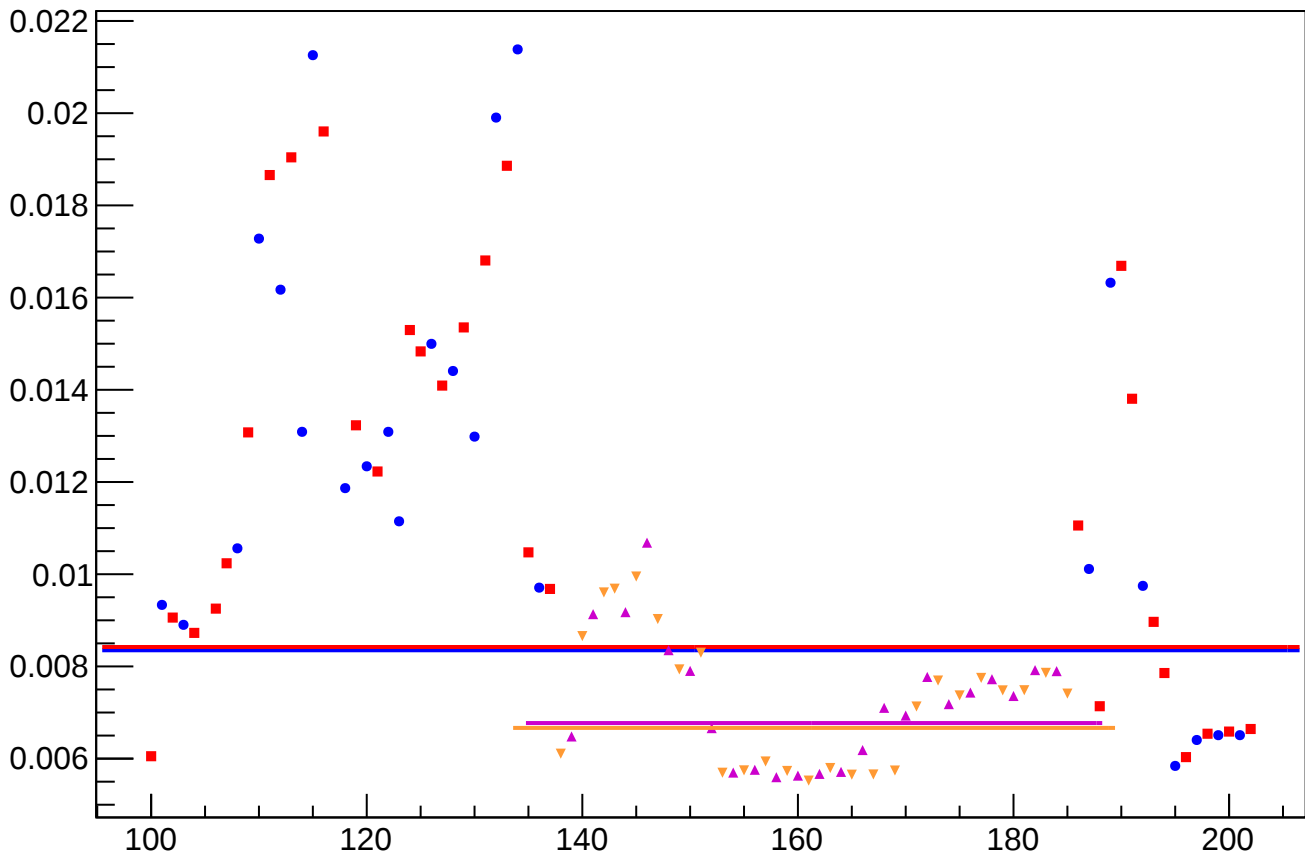
Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

+ sign -0.103 ± 0.000 $\chi^2/\text{NDF}: 40651077710.4/48$

All: -0.119 ± 0.000 $\chi^2/\text{NDF}: 77079338093.4/100$

- 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 : 2458781.1/23

Left Out: 0.007+/-0.000 χ^2/NDF :1143768.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2754217.2/28

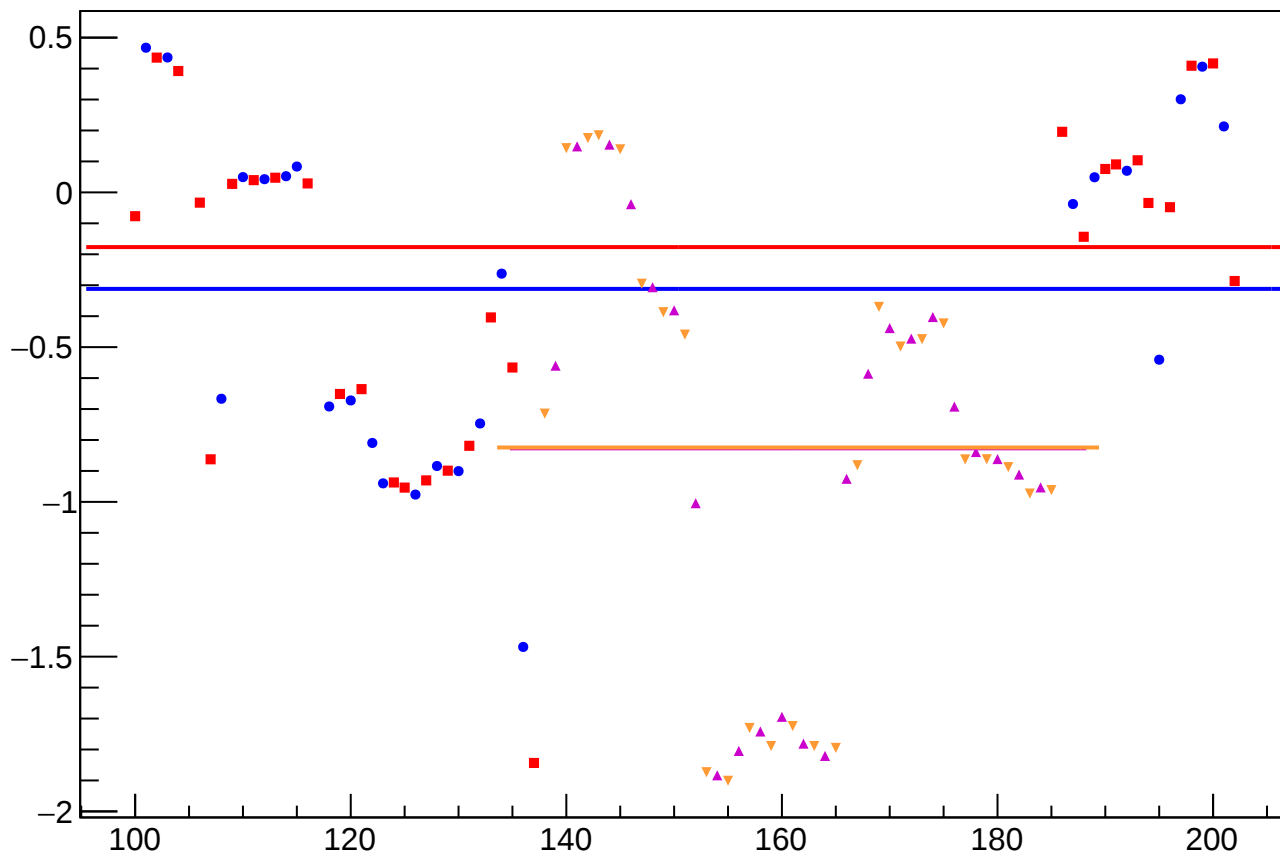
Left In: 0.007+/-0.000 χ^2/NDF :934050.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 4167154.1/48

All: 0.007+/-0.000 χ^2/NDF : 8450059.2/100

- sign 0.007+/-0.000 χ^2/NDF : 4268053.1/51

yield_bpm0r05X_mean vs Slug



Right In: -0.312 ± 0.000 $\chi^2/\text{NDF}: 489336949.0/23$

Left Out: -0.824 ± 0.000 $\chi^2/\text{NDF}: 1103610806.5/24$

Right Out: -0.177 ± 0.000 $\chi^2/\text{NDF}: 382192583.4/28$

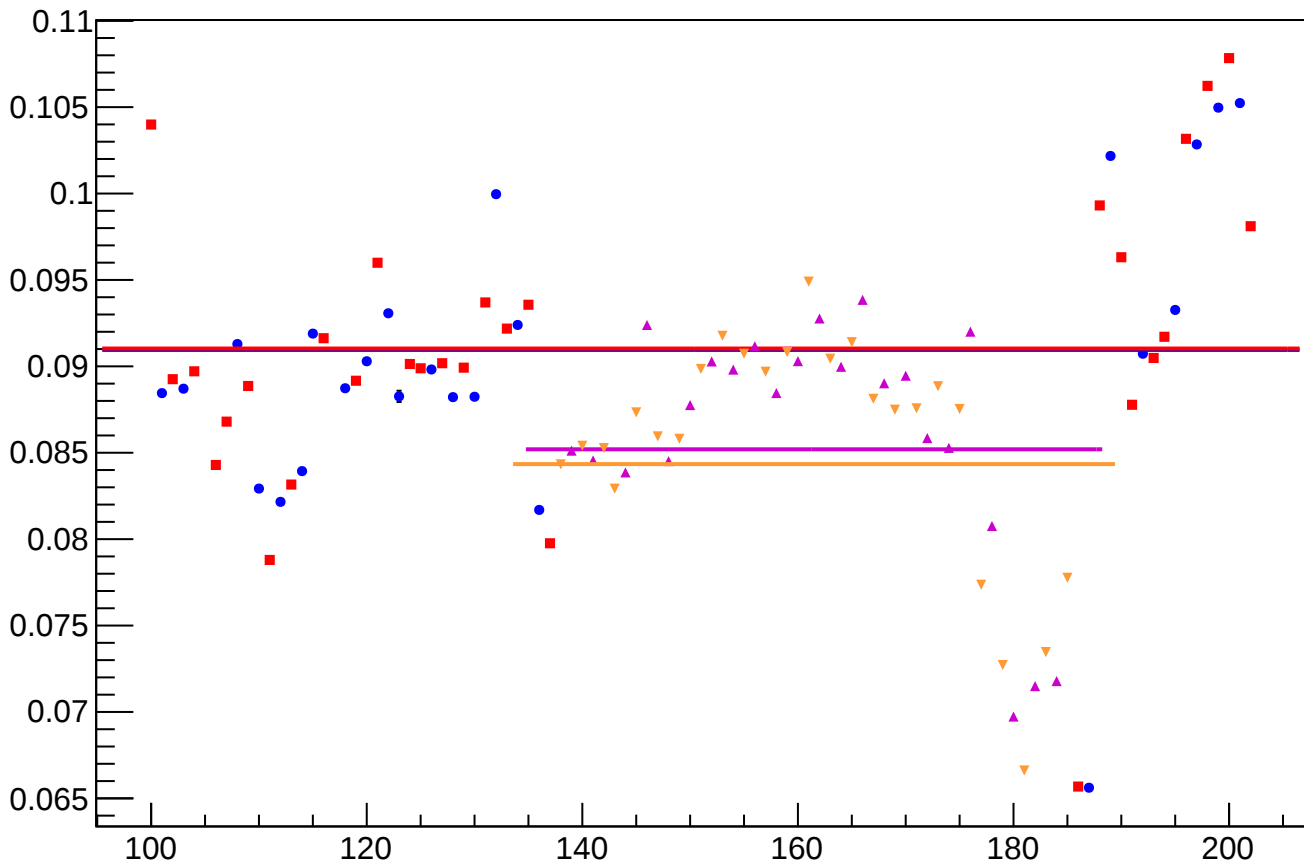
Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 921651117.3/22$

+ sign -0.646 ± 0.000 $\chi^2/\text{NDF}: 1826358298.4/48$

All: -0.604 ± 0.000 $\chi^2/\text{NDF}: 3547752135.6/1$

- sign -0.563 ± 0.000 $\chi^2/\text{NDF}: 1707947627.3/51$

yield_bpm0r05X_rms vs Slug



Right In: 0.091 $\pm$ 0.000 χ^2 /NDF: 186028.4/23

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

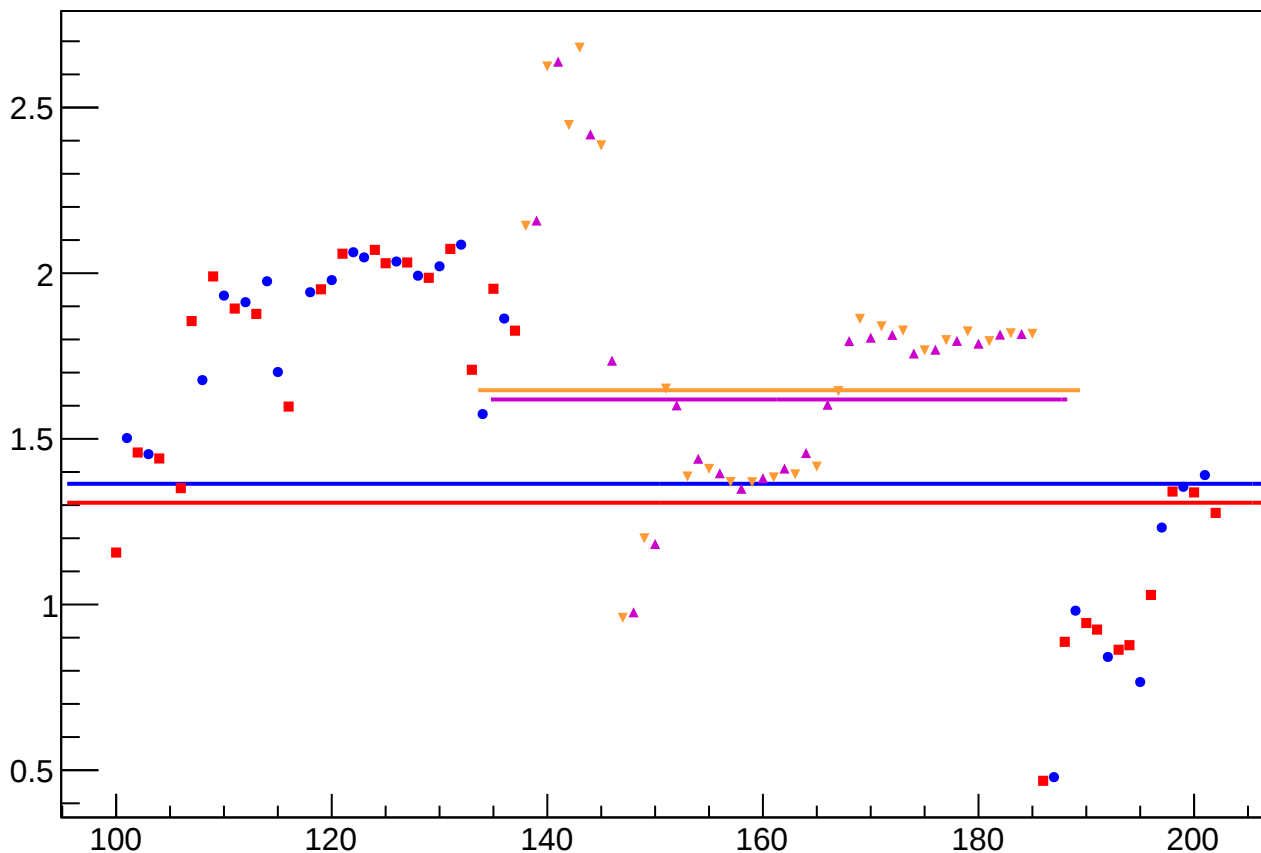
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 552026.5/48

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 1137441.6/100

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 582074.6/51

yield_bpm0r05Y_mean vs Slug



Right In: 1.364 $\pm$ 0.000 χ^2 /NDF: 12501757265.9/23

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

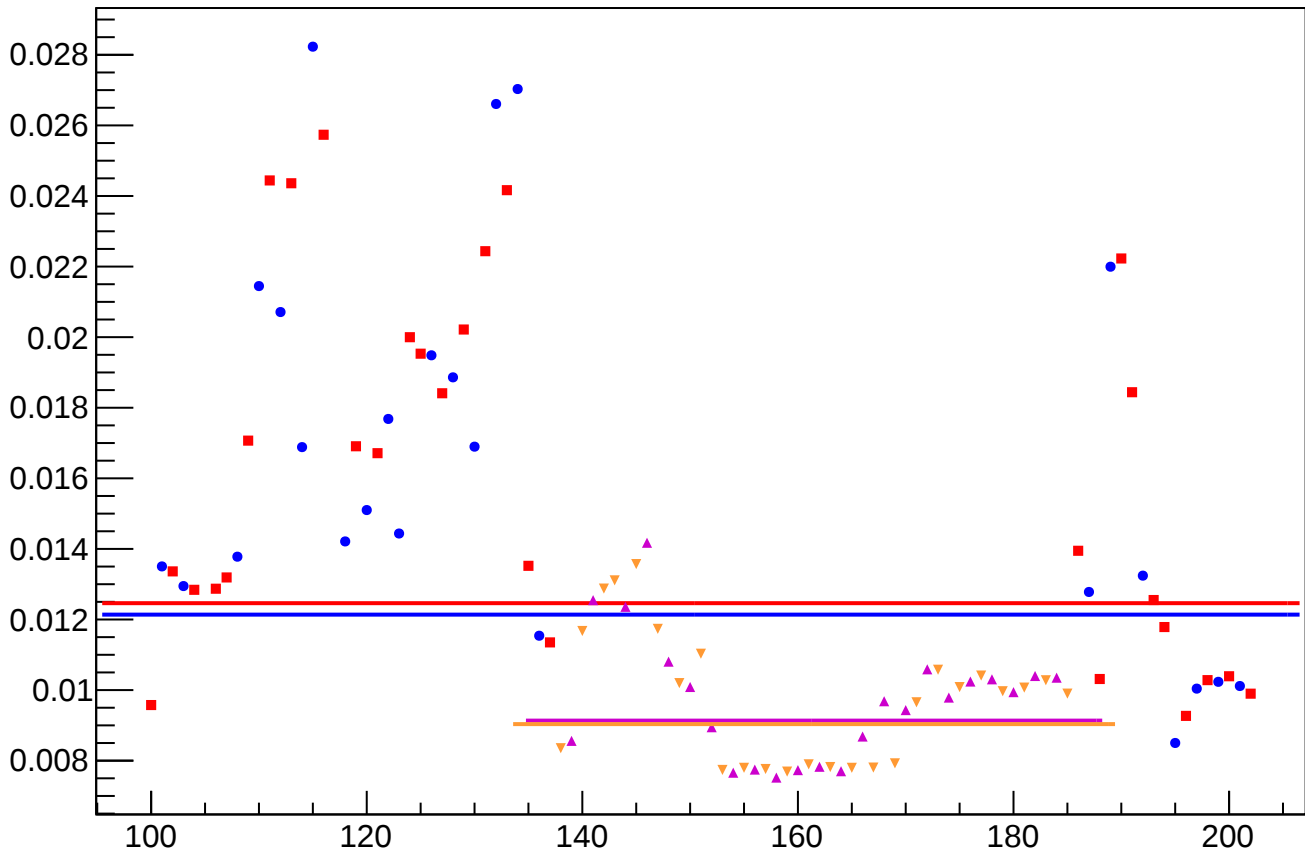
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.579 $\pm$ 0.000 χ^2 /NDF: 43050320882.2/48

All: 1.556 $\pm$ 0.000 χ^2 /NDF: 81091766108.0/51

- 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: 1711671.7/23

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

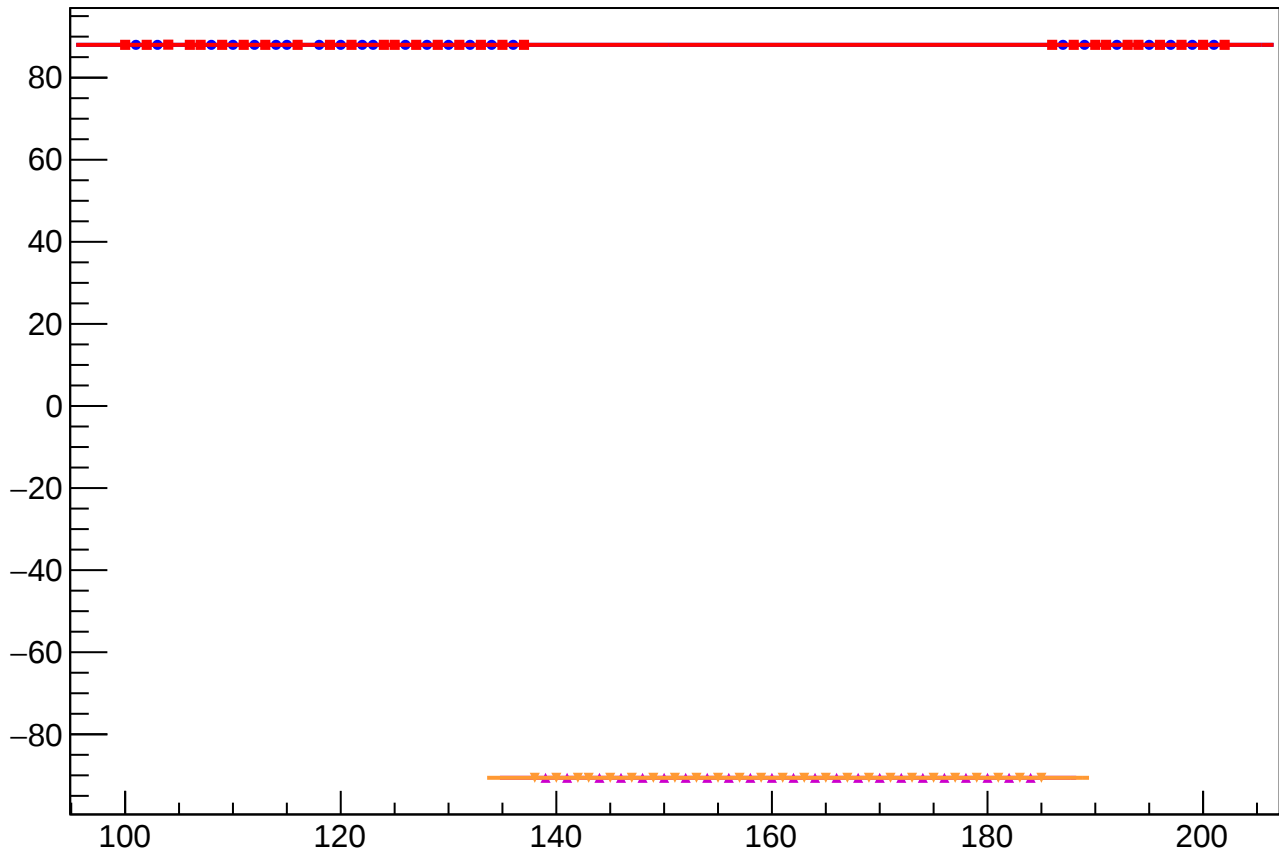
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:878356.2/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3723317.0/48

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7730326.9/100

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3987325.5/51

epics_VWienAngles_mean vs Slug



Right In: 88.001 ± 0.000 $\chi^2/\text{NDF}: 3577717.7/23$

Left Out: -90.599 ± 0.000 $\chi^2/\text{NDF}: 5785821.4/24$

Right Out: 88.002 ± 0.000 $\chi^2/\text{NDF}: 80360659199229512924285370368.0/28$

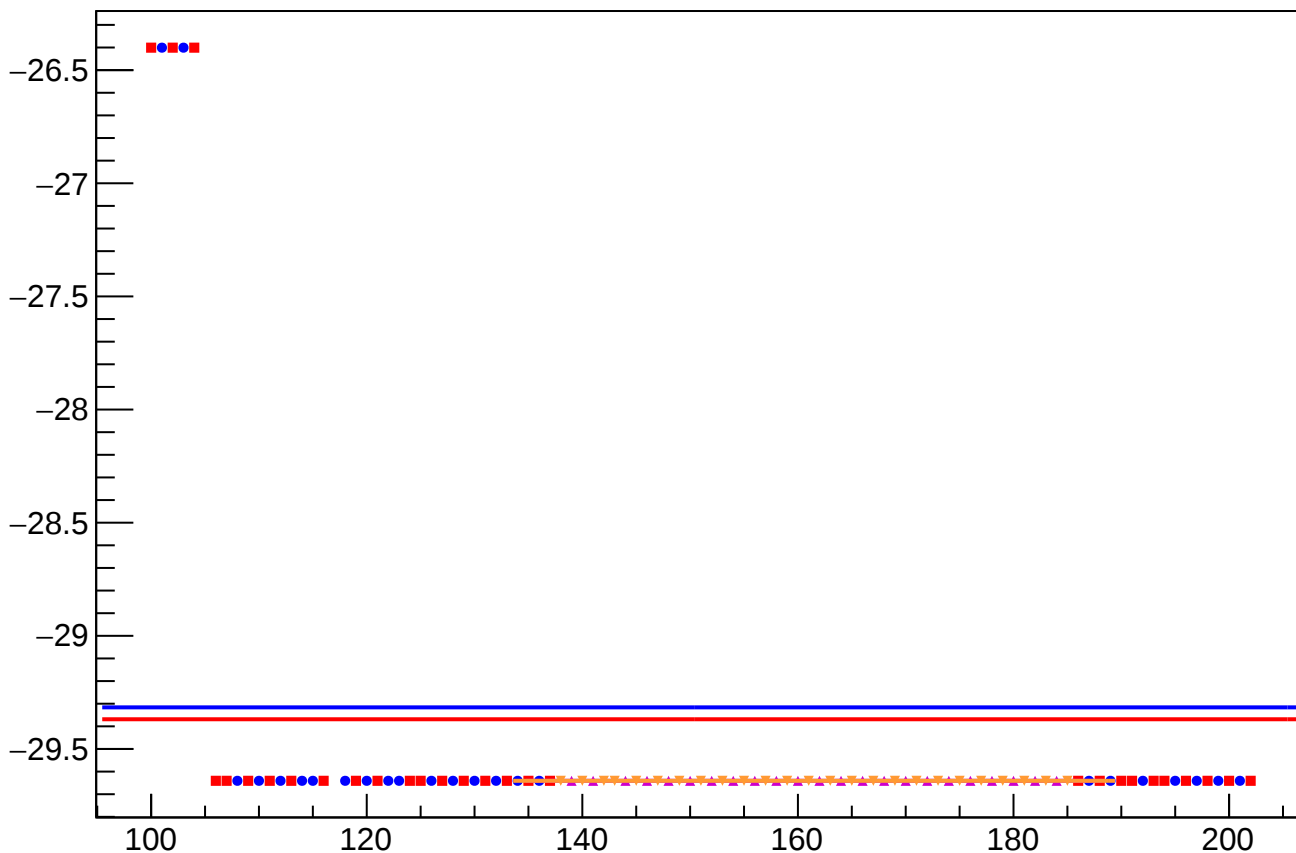
Left In: -90.599 ± 0.000 $\chi^2/\text{NDF}: 7134230.8/22$

+ sign -22.357 ± 0.000 $\chi^2/\text{NDF}: 232182591814466$

All: -17.573 ± 0.000 $\chi^2/\text{NDF}: 482705420098$

- sign -12.932 ± 0.000 $\chi^2/\text{NDF}: 2491326527042247$

epics_HWienAngles_mean vs Slug



Right In: -29.316+/-0.000 χ^2/NDF : 1114634811544991087645455560998912.0/23

Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24

Right Out: -29.369+/-0.000 χ^2/NDF : 1115510525036170623824352082132992.0/28

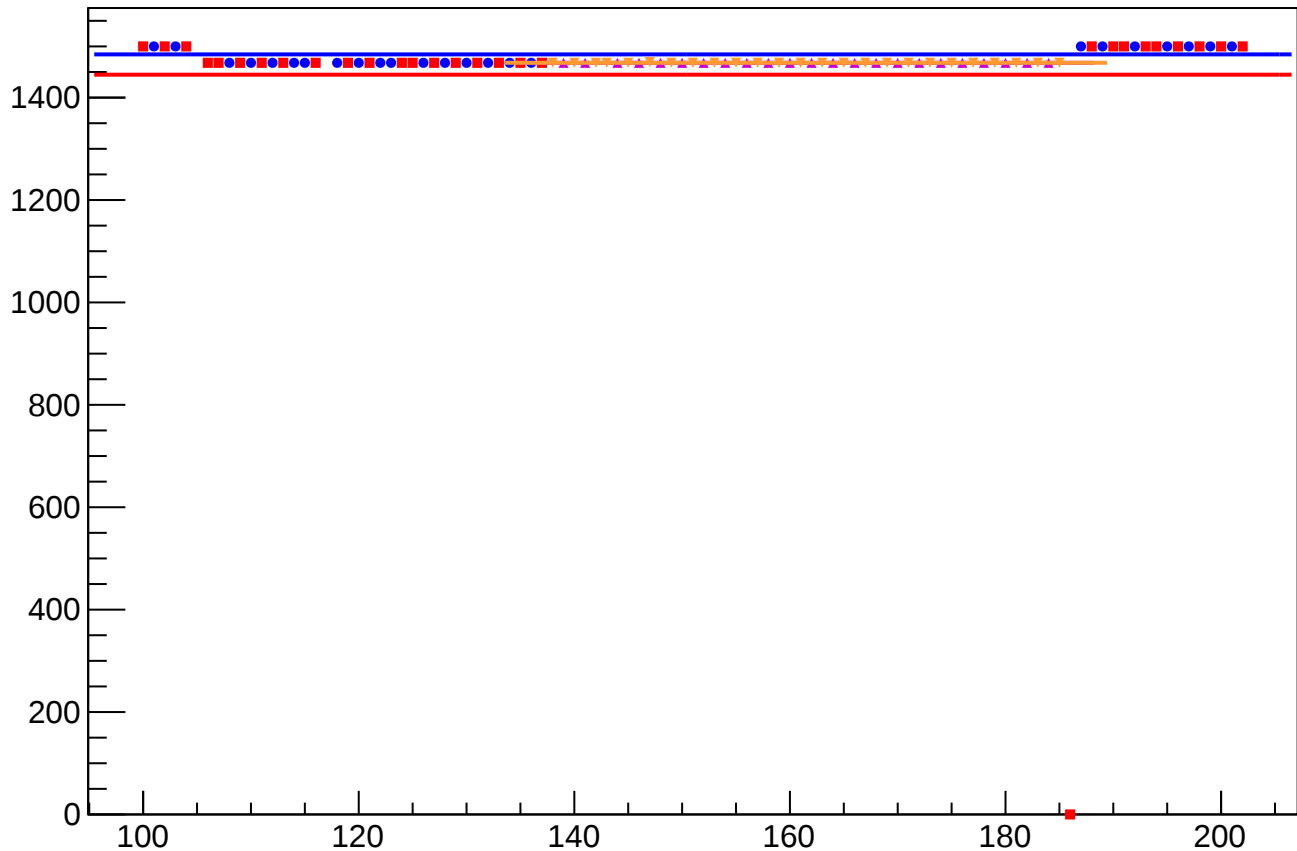
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.517+/-0.000 χ^2/NDF : 119130564774568

All: -29.520+/-0.000 χ^2/NDF : 236463092745

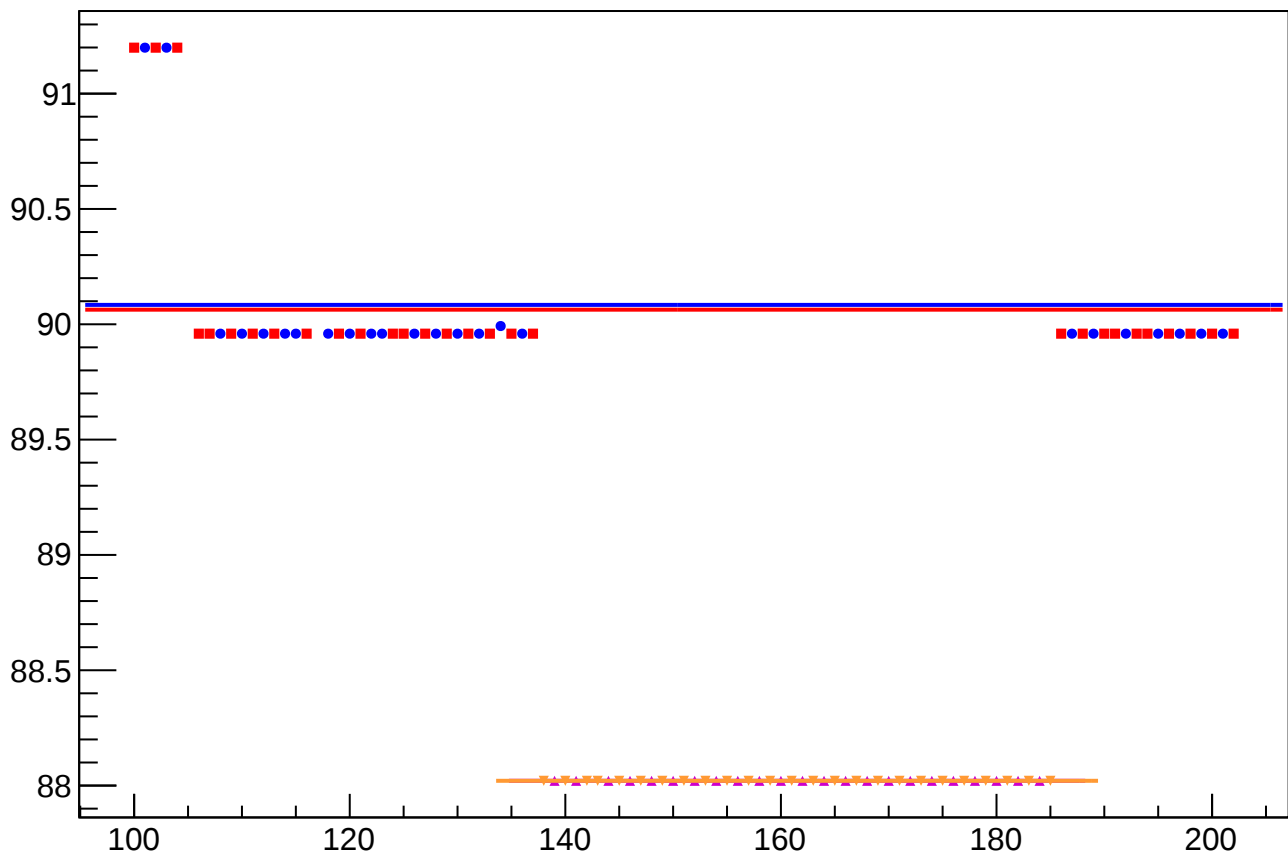
- sign -29.522+/-0.000 χ^2/NDF : 1173273612083046

epics_psub_pl_poss_mean vs Slug

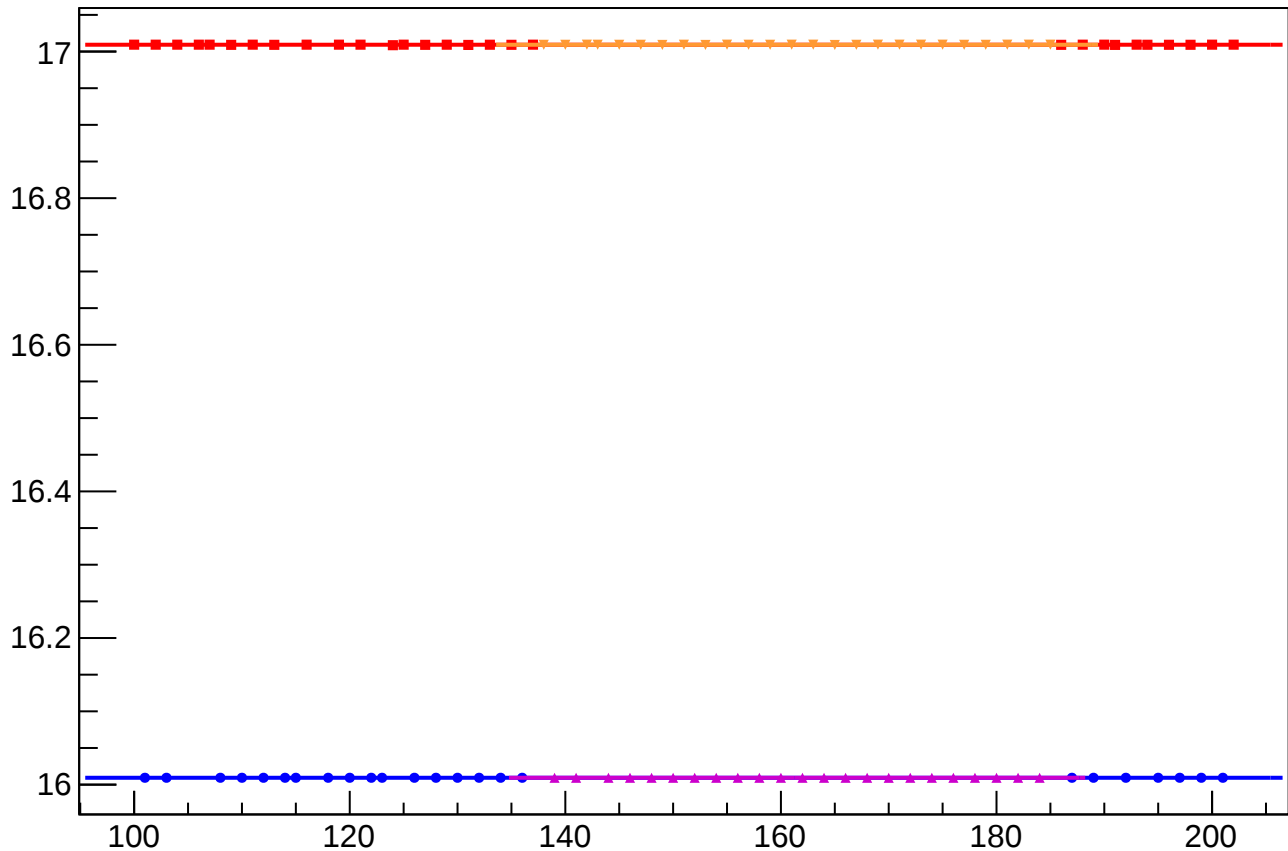


Right In: 1484.425+/-0.000 χ^2/NDF : 301748769016436903694220962035662848.0/23
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1444.761+/-0.000 χ^2/NDF : 81901340097495099494703597147306065920.0/28
 Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22
 All: 1465.974+/-0.000 χ^2/NDF : 83241630880.0/24
 + sign 1474.305+/-0.000 χ^2/NDF : 49710228672039
 - sign 1457.891+/-0.000 χ^2/NDF : 82322883740372

epics_Phi_FGs_mean vs Slug



epics_IGL1I00DI24_24Ms_mean vs Slug

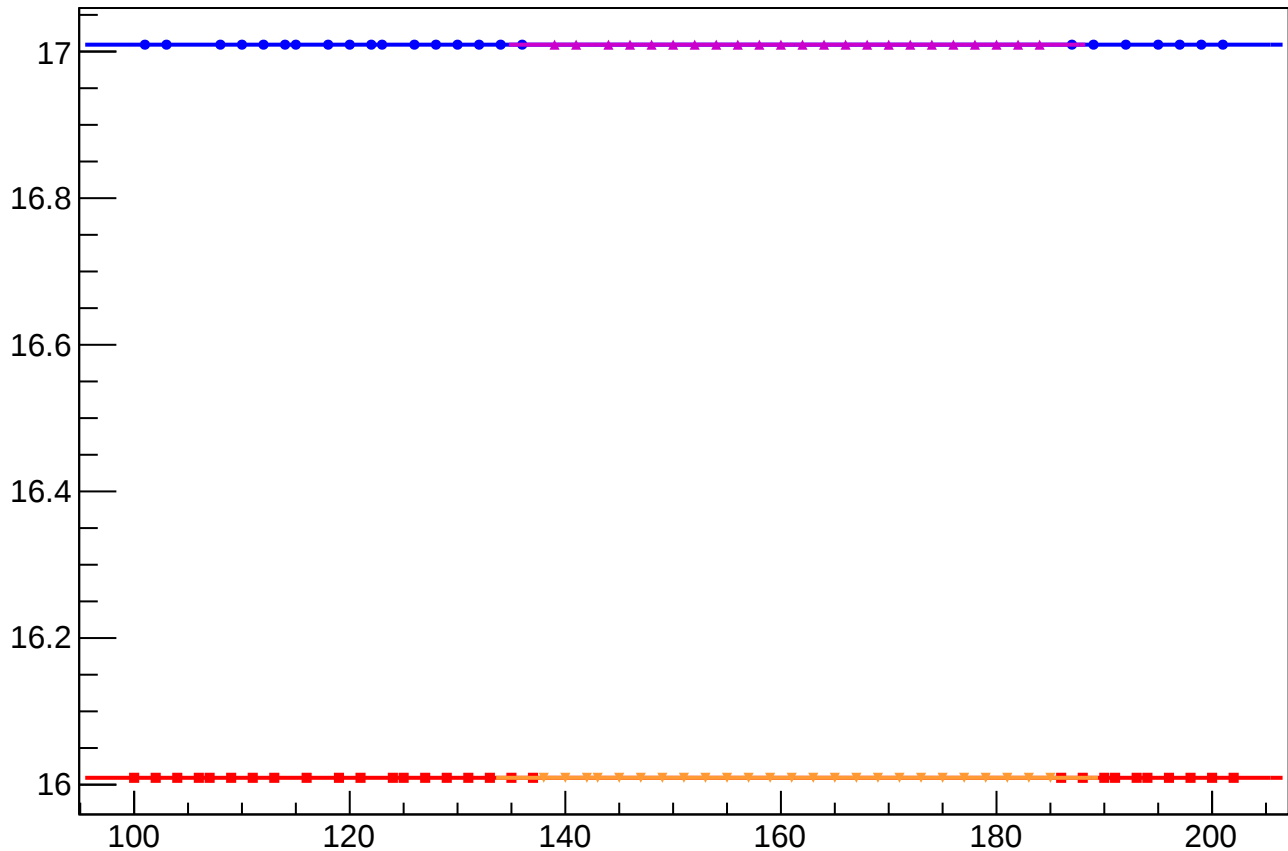


+ sign 16.616 $\pm$ 0.000 χ^2 /NDF: 6954650293858853

All: 16.532 $\pm$ 0.000 χ^2 /NDF: 1471350202515

- sign 16.450 $\pm$ 0.000 χ^2 /NDF: 7351854505614751

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 278259.6/23

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 61253.5/24

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 262406.7/28

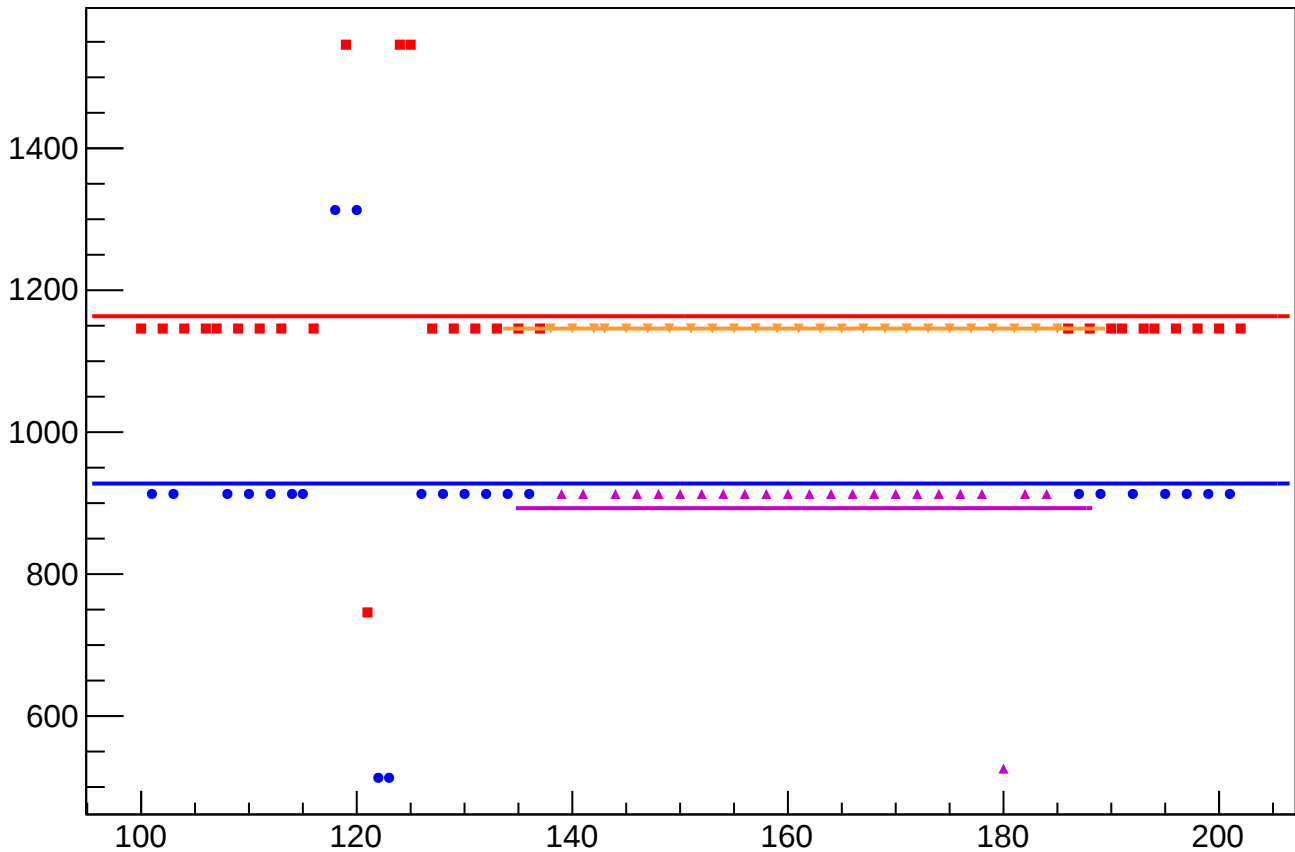
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.388 $\pm$ 0.000 χ^2 /NDF: 7121328047571659

All: 16.480 $\pm$ 0.000 χ^2 /NDF: 1533010182143

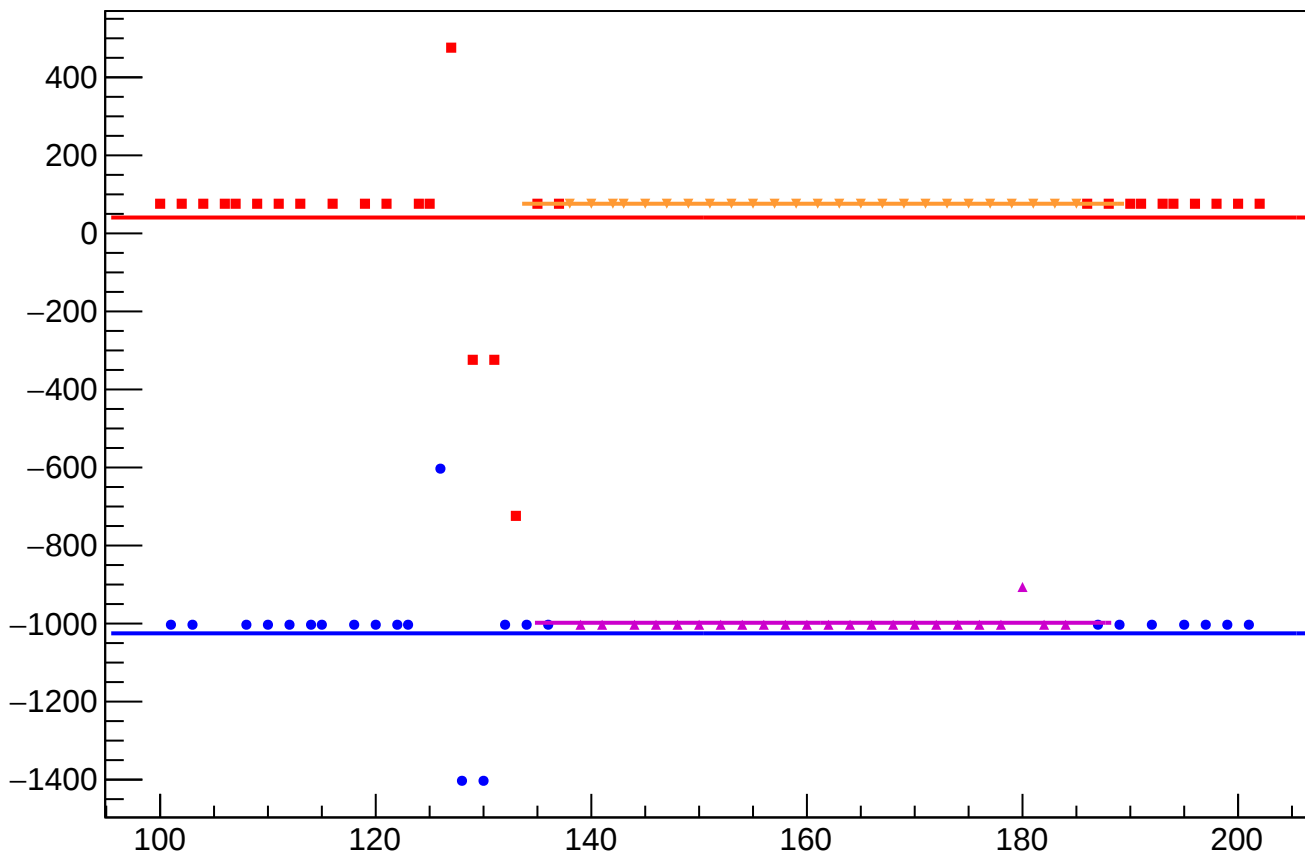
- sign 16.570 $\pm$ 0.000 χ^2 /NDF: 7701907890649254

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 927.596+/-0.000 χ^2/NDF : 21030190862914709423799133088404996096.0/23
 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

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1025.061+/-0.000 χ^2/NDF : 22625797927699263291224407072206487552.0/23

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24

Right Out: 40.699+/-0.000 χ^2/NDF : 45316550801841017130688975958574104576.0/28

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22

+ sign -344.703+/-0.000 χ^2/NDF : 90509174691319

All: -447.028+/-0.000 χ^2/NDF : 18574311674

- sign -546.294+/-0.000 χ^2/NDF : 88874403662268