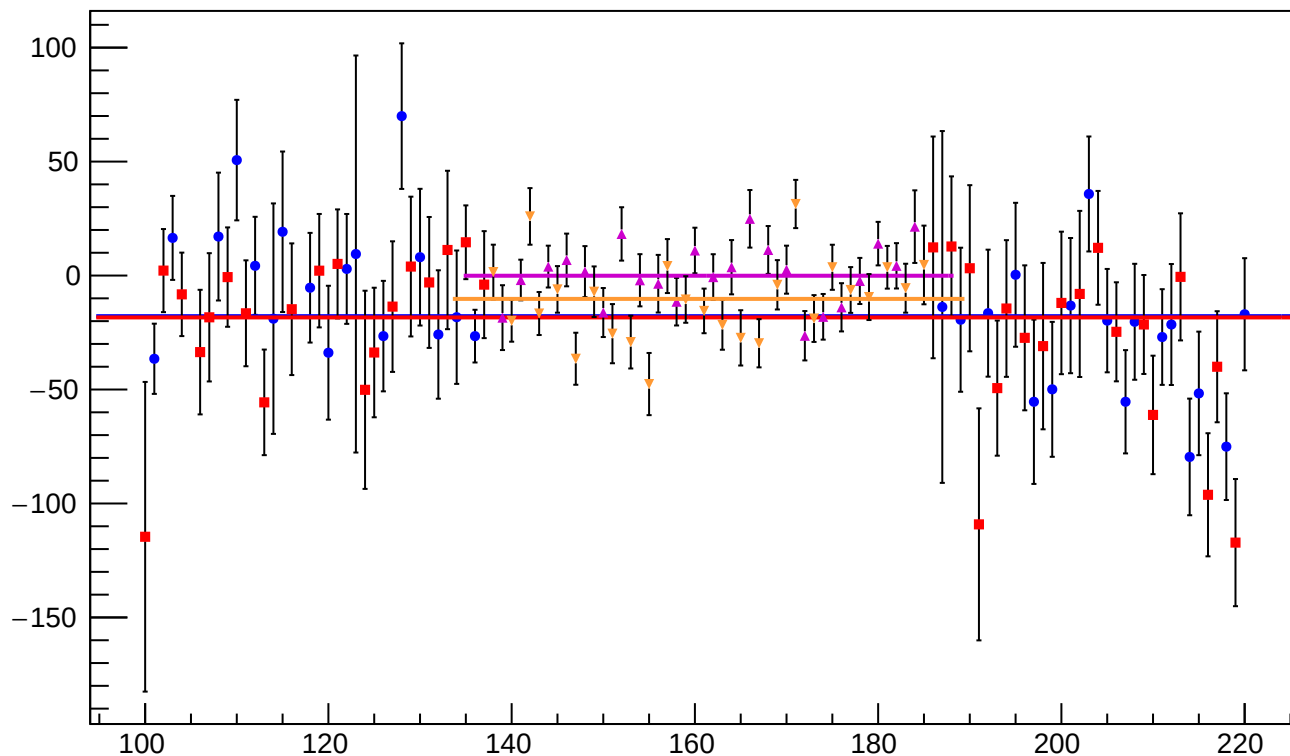


diff_bpm4aX_mean vs Slug



Right In: -17.809 ± 4.255

χ^2/NDF : 49.3/33

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -18.372 ± 4.375

χ^2/NDF : 48.5/36

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -11.801 ± 1.933

χ^2/NDF : 110.0/58

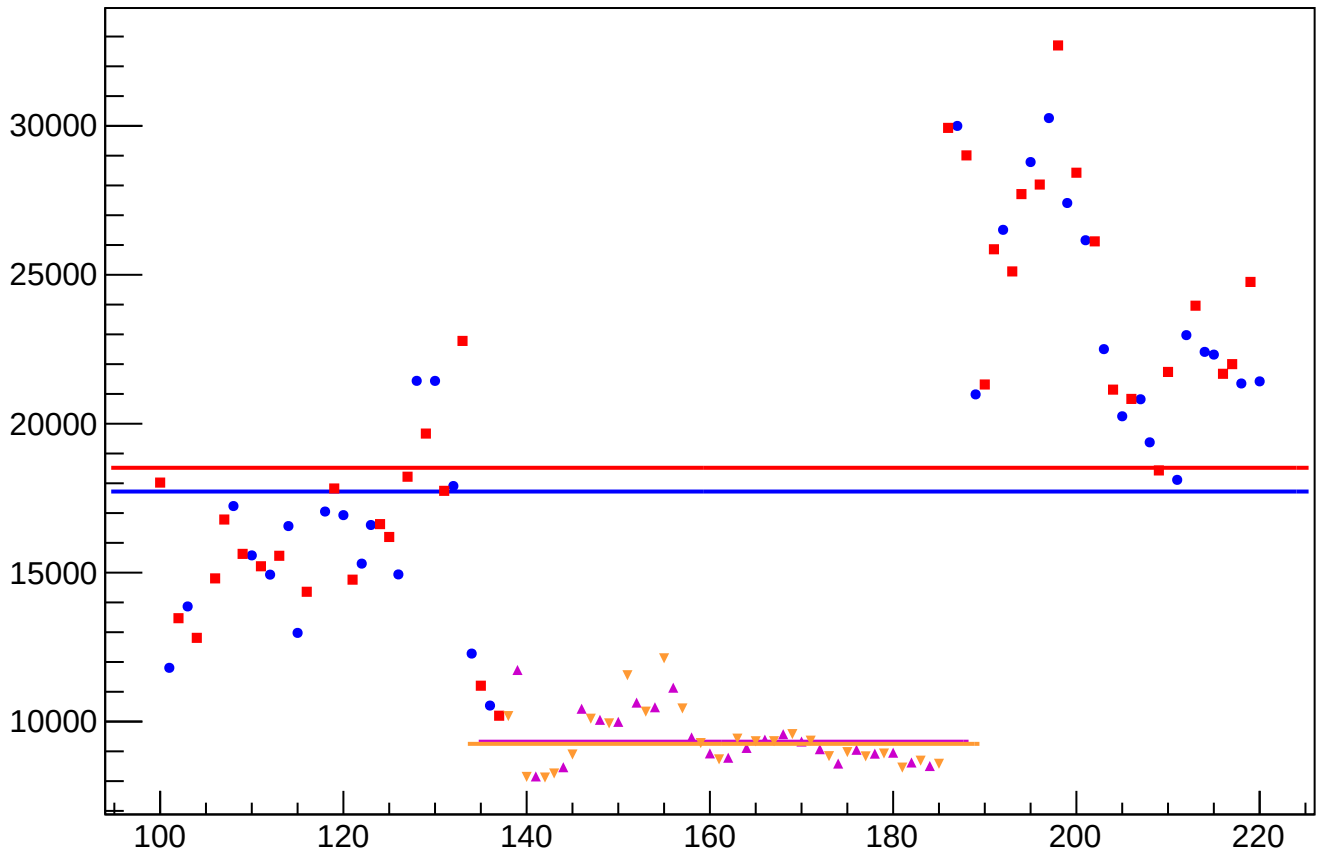
All: -7.991 ± 1.390

χ^2/NDF : 210.2/118

- sign -3.908 ± 2.001

χ^2/NDF : 92.2/59

diff_bpm4aX_rms vs Slug



Right In: 17723.271+/-3.008 χ^2/NDF : 2991591.5/33

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

Right Out: 18520.431+/-3.093 χ^2/NDF : 3076549.0/36

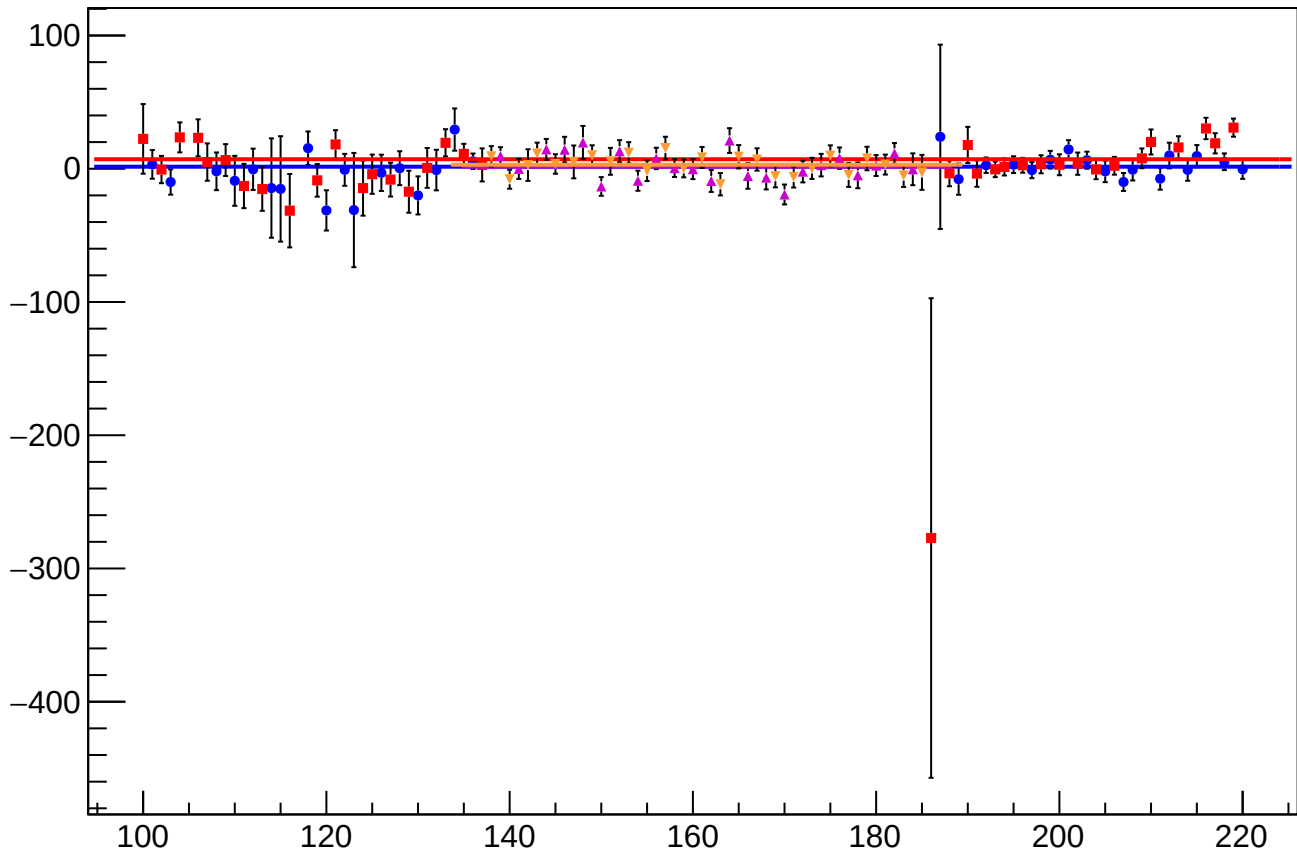
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 11000.903+/-1.367 χ^2/NDF : 9615890.2/58

All: 11120.450+/-0.983 χ^2/NDF : 19972926.1

- sign 11248.554+/-1.415 χ^2/NDF : 10341193.1/59

diff_bpm4aY_mean vs Slug



Right In: 1.538 ± 1.550 χ^2/NDF : 27.0/33

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

Right Out: 7.136 ± 1.546 χ^2/NDF : 56.9/36

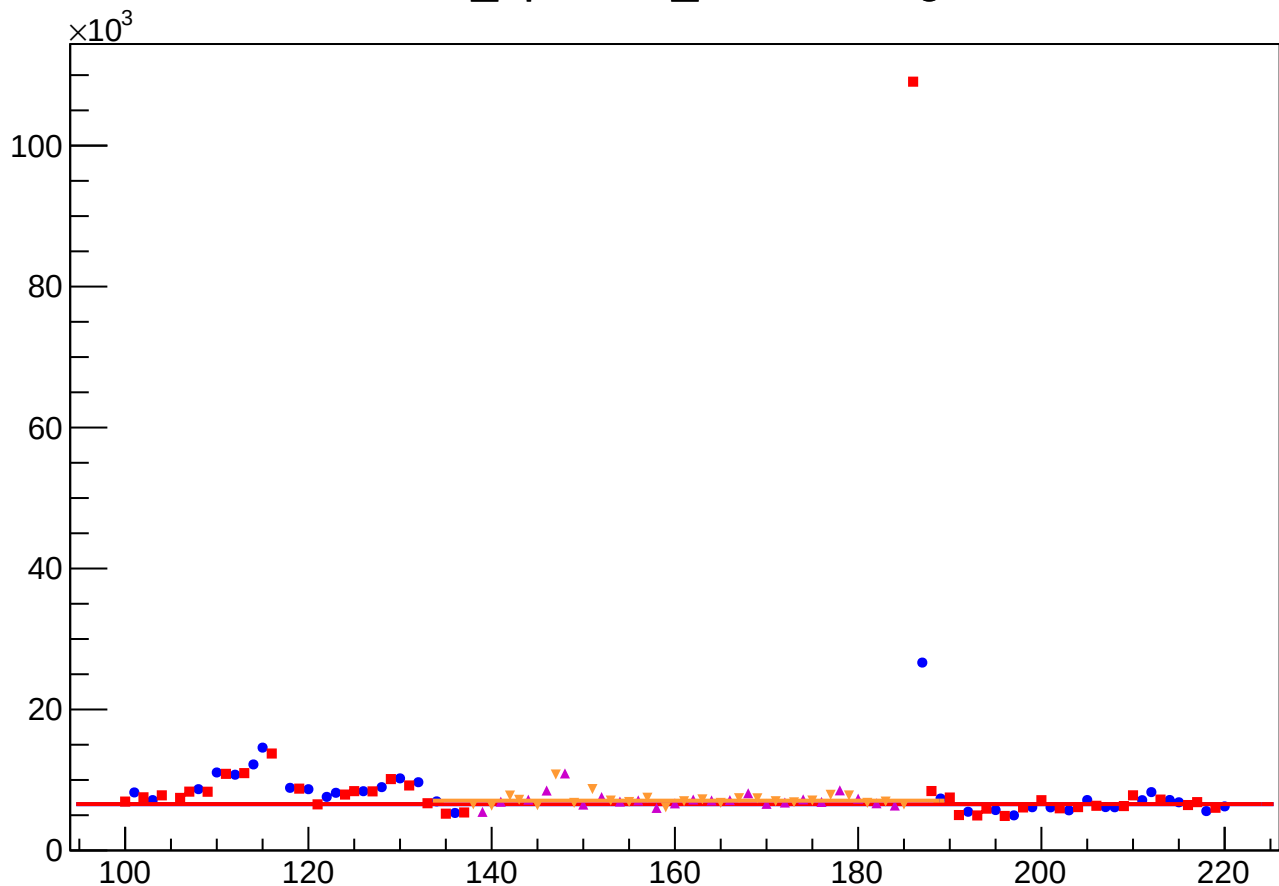
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

+ sign 2.231 ± 1.133 χ^2/NDF : 46.0/58

All: 3.419 ± 0.805 χ^2/NDF : 146.5/118

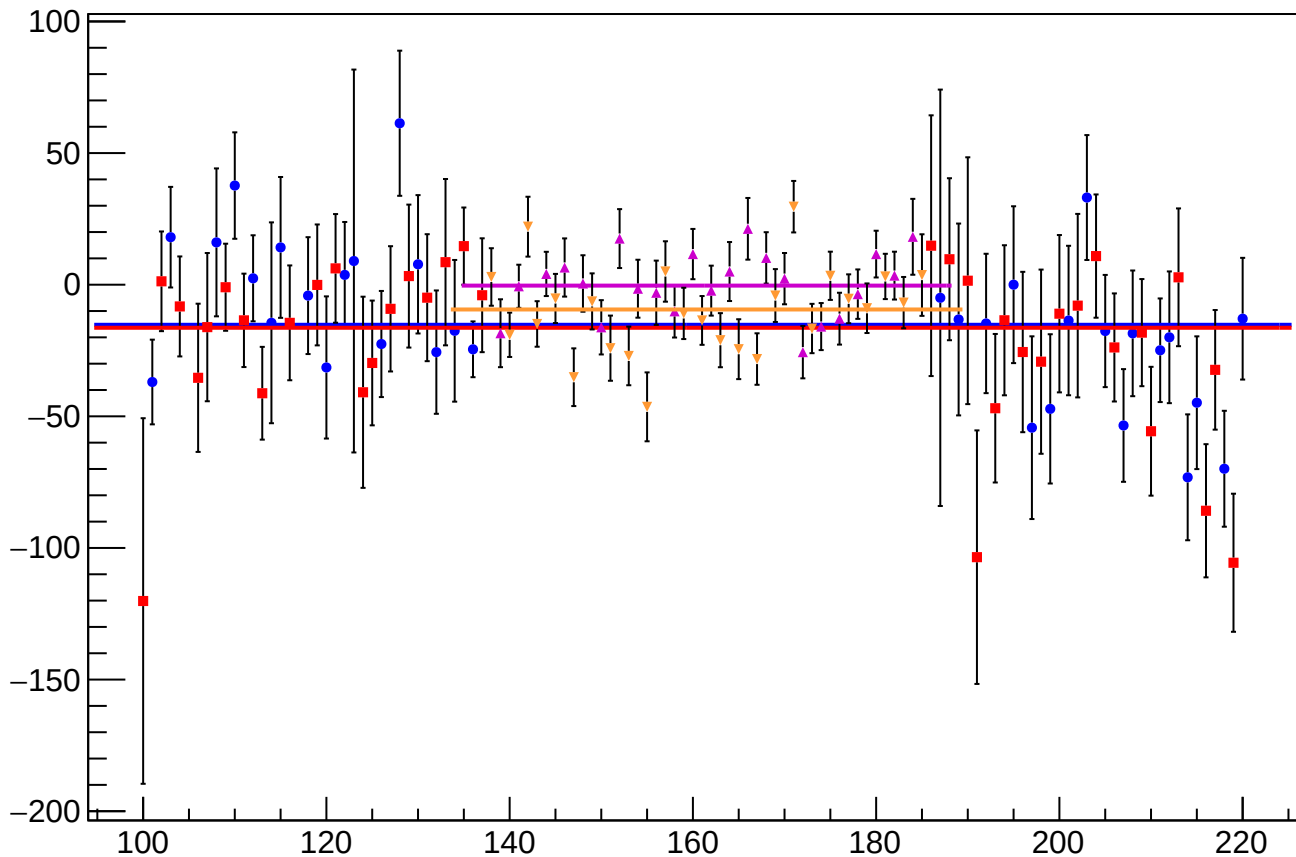
- sign 4.630 ± 1.144 χ^2/NDF : 98.2/59

diff_bpm4aY_rms vs Slug



Right In: 6560.618 $\pm$ 1.096	χ^2/NDF : 1669850.2/33	+ sign 6795.215 $\pm$ 0.801	χ^2/NDF : 2155053.9/58
Left Out: 7064.457 $\pm$ 1.174	χ^2/NDF : 386814.9/24	All: 6786.085 $\pm$ 0.569	χ^2/NDF : 4918498.1/11
Right Out: 6580.824 $\pm$ 1.093	χ^2/NDF : 2166703.9/36	- sign 6776.772 $\pm$ 0.809	χ^2/NDF : 2763181.9/59
Left In: 7014.572 $\pm$ 1.204	χ^2/NDF : 525313.7/22		

diff_bpm4eX_mean vs Slug



Right In: -15.227 ± 3.902 χ^2/NDF : 50.4/33

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

Right Out: -16.357 ± 3.977 χ^2/NDF : 45.6/36

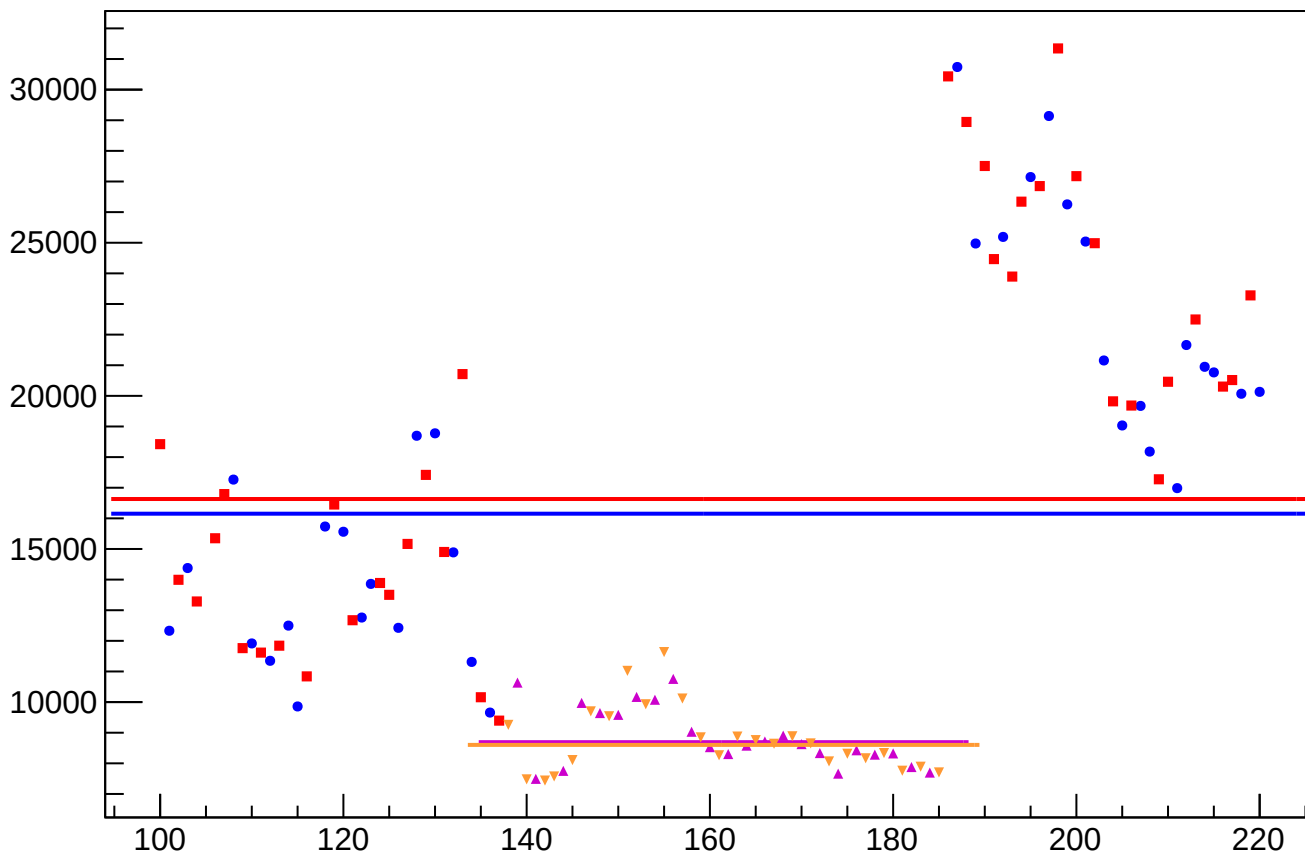
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -10.641 ± 1.795 χ^2/NDF : 110.9/58

All: -7.356 ± 1.291 χ^2/NDF : 206.1/118

- sign -3.837 ± 1.857 χ^2/NDF : 88.2/59

diff_bpm4eX_rms vs Slug



Right In: 16152.130+/-2.759 χ^2/NDF : 3496475.6/33

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

Right Out: 16631.594+/-2.812 χ^2/NDF : 3920033.3/36

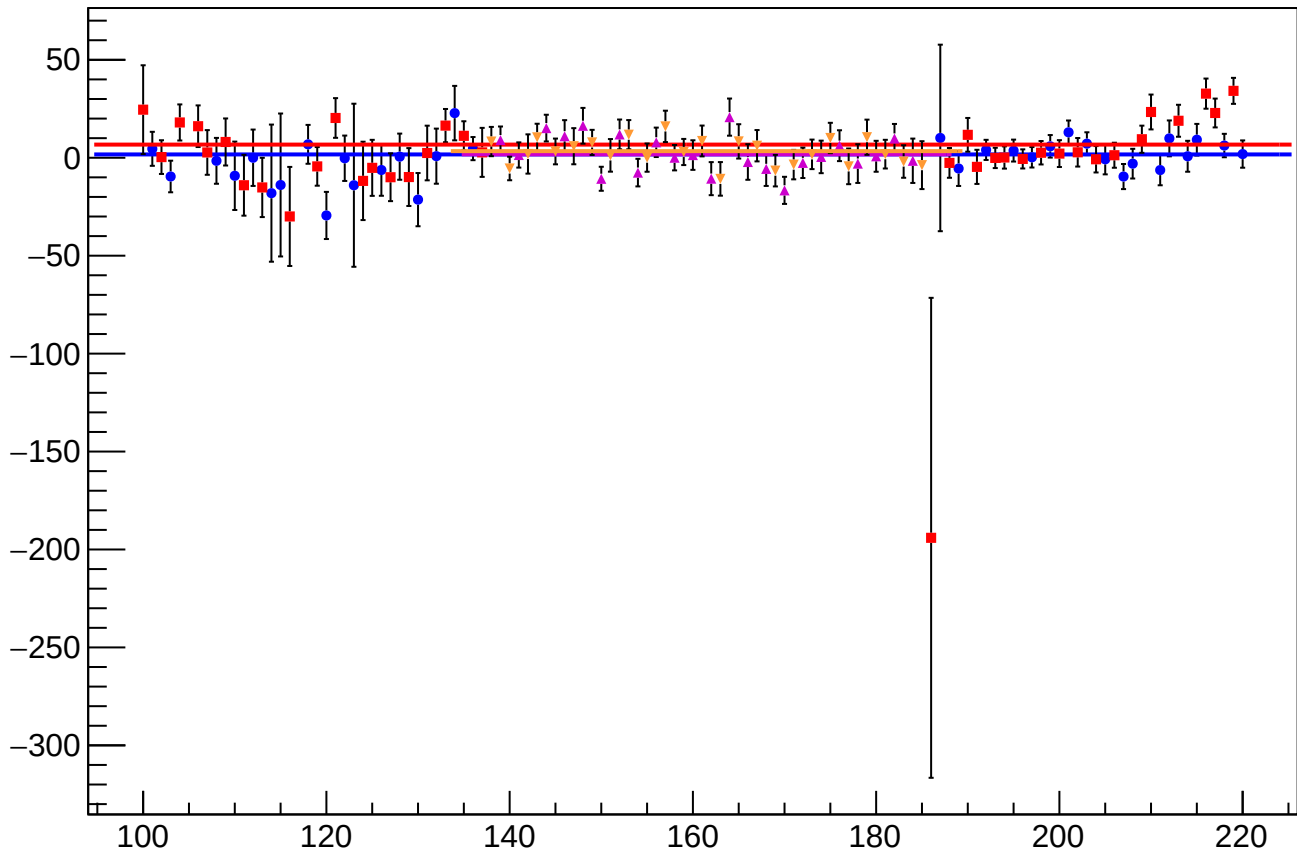
Left In: 8691.203+/-1.485 χ^2/NDF :365254.6/22

+ sign 10199.190+/-1.269 χ^2/NDF : 9839173.1/58

All: 10307.383+/-0.913 χ^2/NDF : 20373914.6

- sign 10423.276+/-1.313 χ^2/NDF : 10519685.0/59

diff_bpm4eY_mean vs Slug



Right In: 1.696 ± 1.412 χ^2/NDF : 28.9/33

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

Right Out: 6.719 ± 1.389 χ^2/NDF : 73.1/36

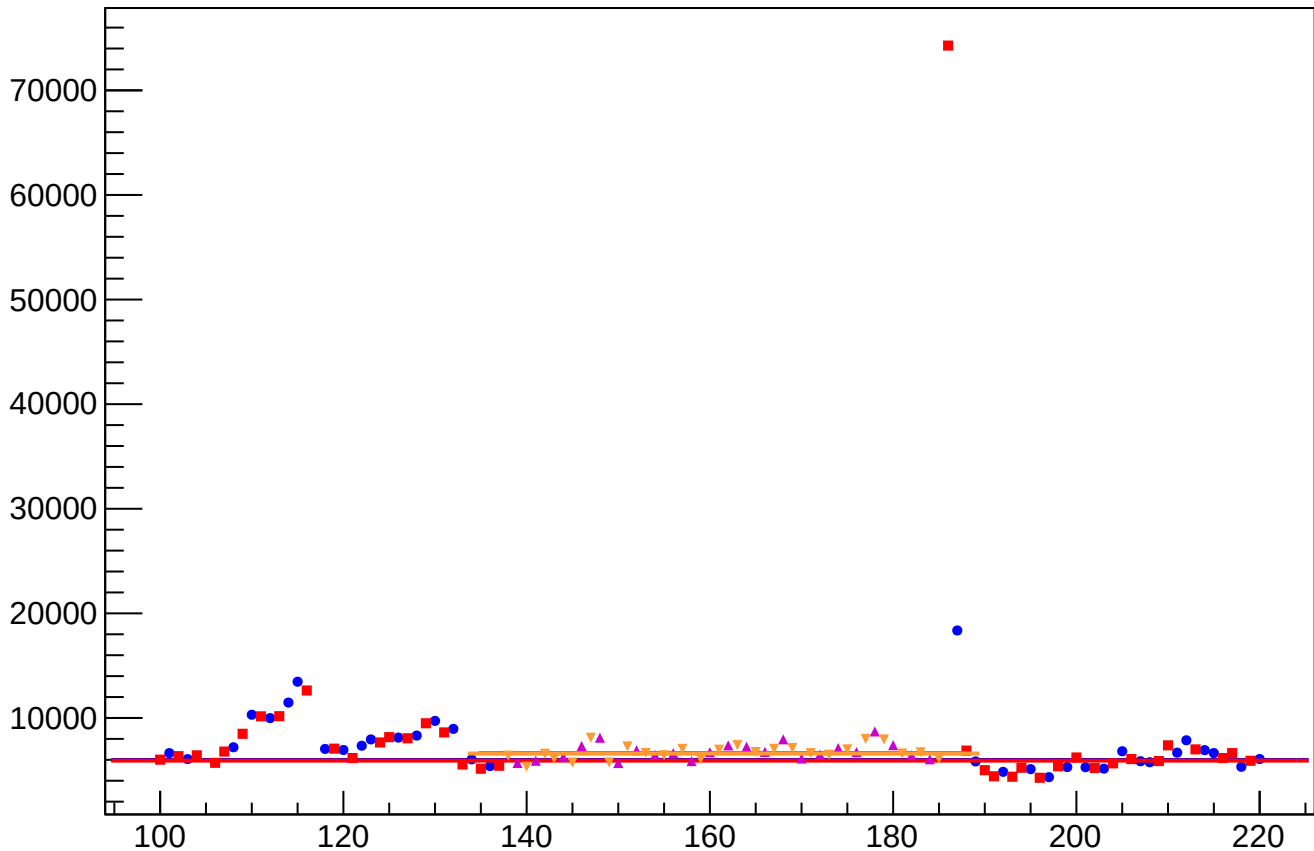
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.456 ± 1.044 χ^2/NDF : 46.7/58

All: 3.520 ± 0.741 χ^2/NDF : 160.9/118

- sign 4.597 ± 1.051 χ^2/NDF : 112.1/59

diff_bpm4eY_rms vs Slug



Right In: 5980.325+/-0.998 χ^2/NDF : 1669311.0/33

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

Right Out: 5925.465+/-0.982 χ^2/NDF : 2254605.7/36

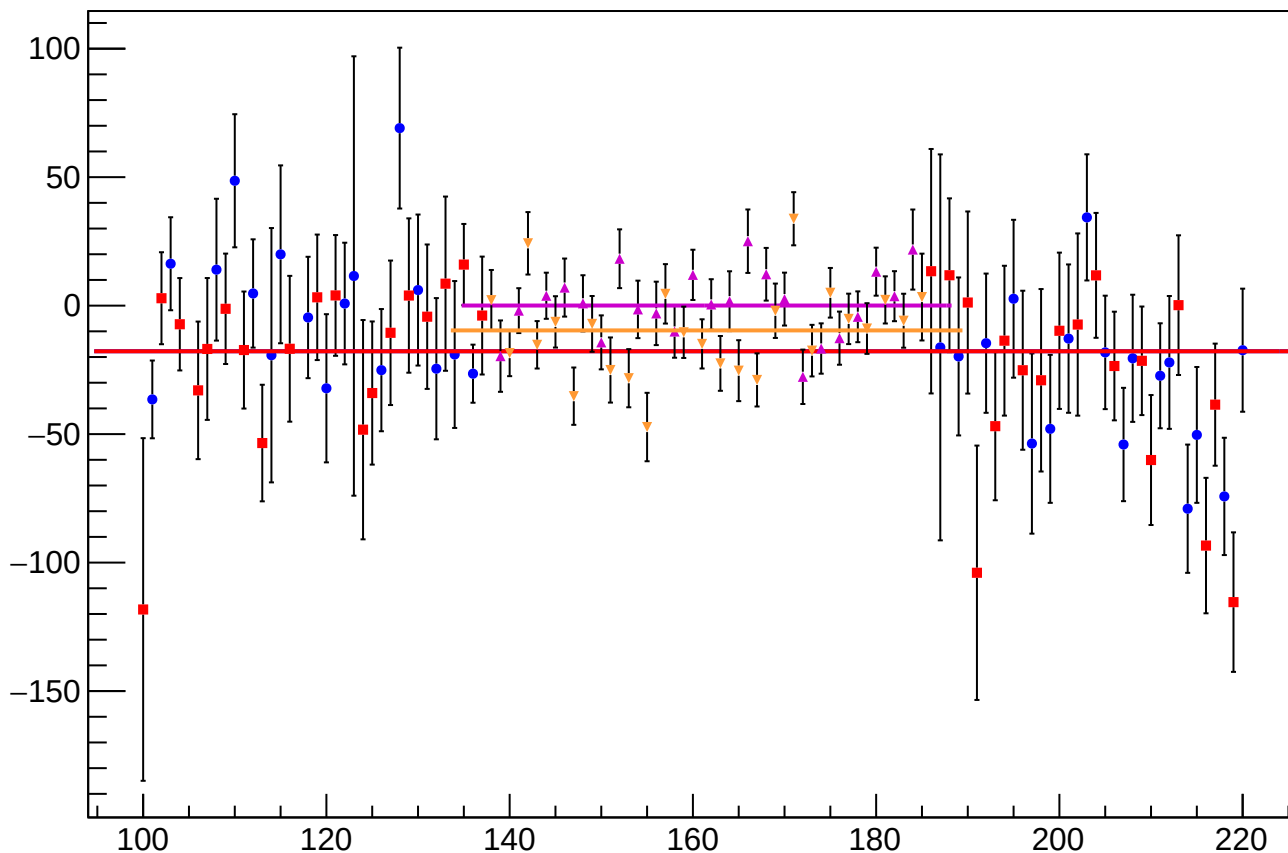
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

+ sign 6262.699+/-0.738 χ^2/NDF : 2241308.9/58

All: 6246.358+/-0.524 χ^2/NDF : 5136968.2/11

- sign 6229.808+/-0.743 χ^2/NDF : 2894673.4/59

diff_bpm4acX_mean vs Slug



Right In: -17.743 ± 4.158 $\chi^2/\text{NDF}: 49.5/33$

Left Out: -9.640 ± 2.122 $\chi^2/\text{NDF}: 59.9/24$

Right Out: -17.763 ± 4.277 $\chi^2/\text{NDF}: 48.9/36$

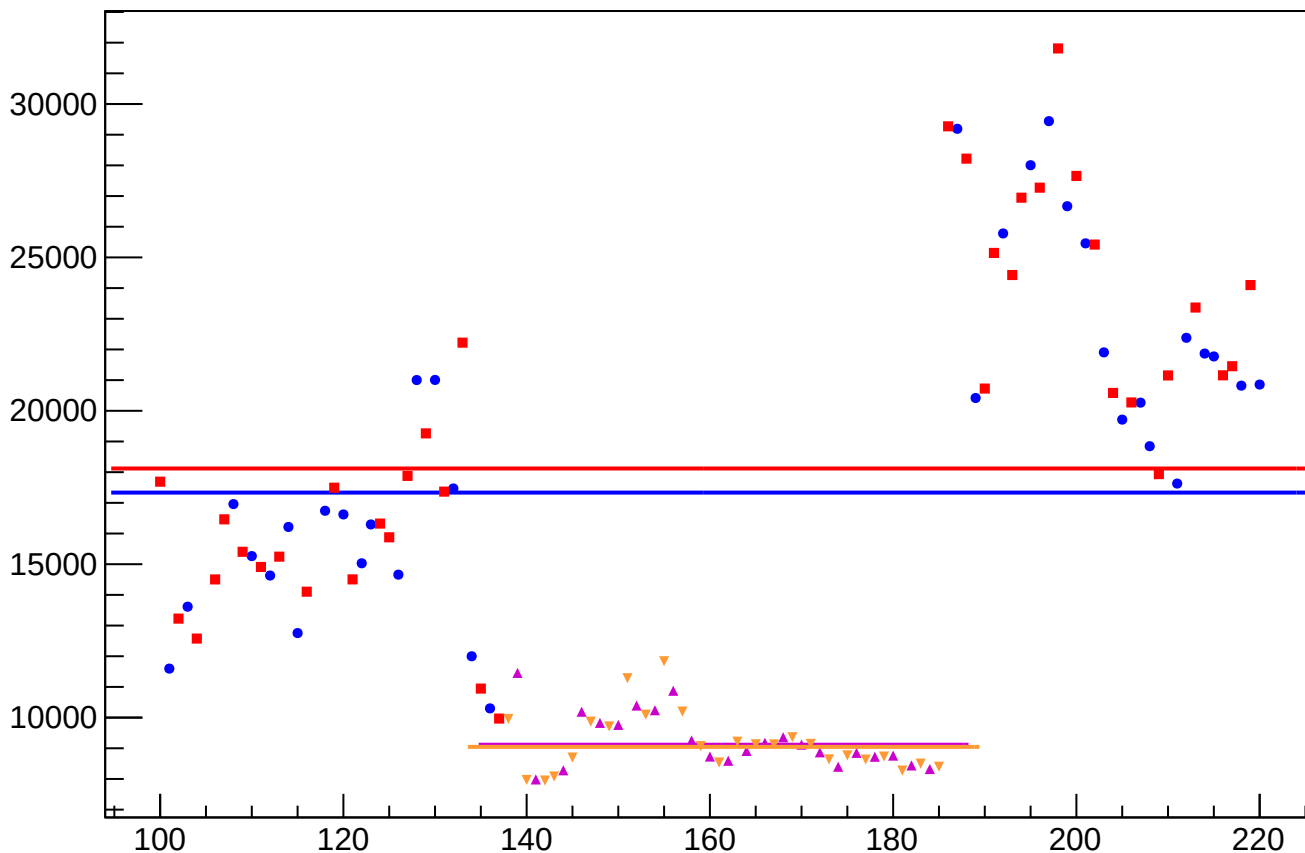
Left In: 0.042 ± 2.200 $\chi^2/\text{NDF}: 30.8/22$

+ sign -11.314 ± 1.890 $\chi^2/\text{NDF}: 112.4/58$

All: -7.631 ± 1.359 $\chi^2/\text{NDF}: 213.7/118$

- sign -3.684 ± 1.956 $\chi^2/\text{NDF}: 93.4/59$

diff_bpm4acX_rms vs Slug



Right In: 17334.378 $\pm$ 2.940 χ^2 /NDF: 2941394.3/33

Left Out: 9045.871 $\pm$ 1.500 χ^2 /NDF:328508.5/24

Right Out: 18119.570 $\pm$ 3.024 χ^2 /NDF: 3019779.8/36

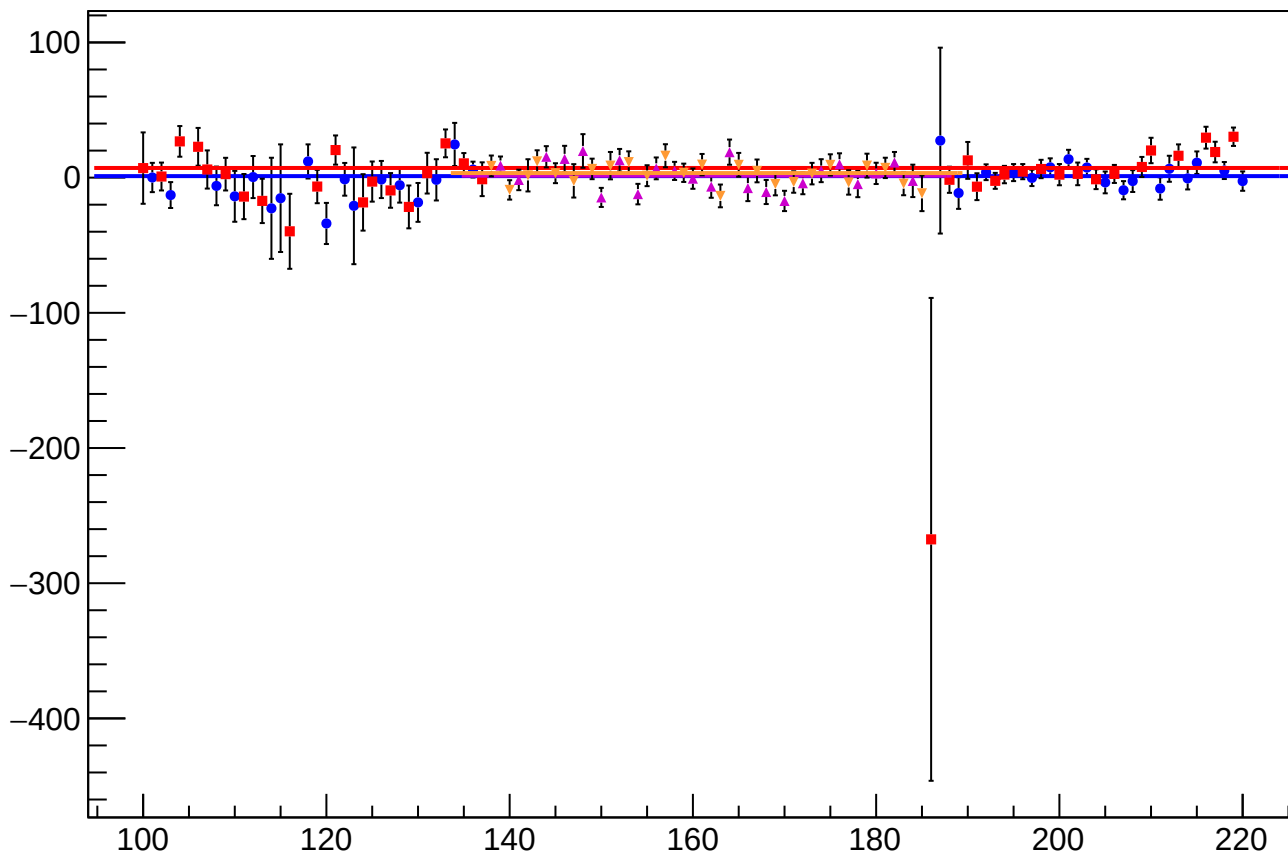
Left In: 9115.817 $\pm$ 1.556 χ^2 /NDF:272471.8/22

+ sign 10758.043 $\pm$ 1.336 χ^2 /NDF: 9574681.7/58

All: 10874.916 $\pm$ 0.961 χ^2 /NDF: 19892667.0/117

- sign 11000.156 $\pm$ 1.383 χ^2 /NDF: 10302141.0/59

diff_bpm4acY_mean vs Slug



Right In: 1.124 ± 1.555 χ^2/NDF : 28.5/33

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

Right Out: 7.155 ± 1.551 χ^2/NDF : 60.8/36

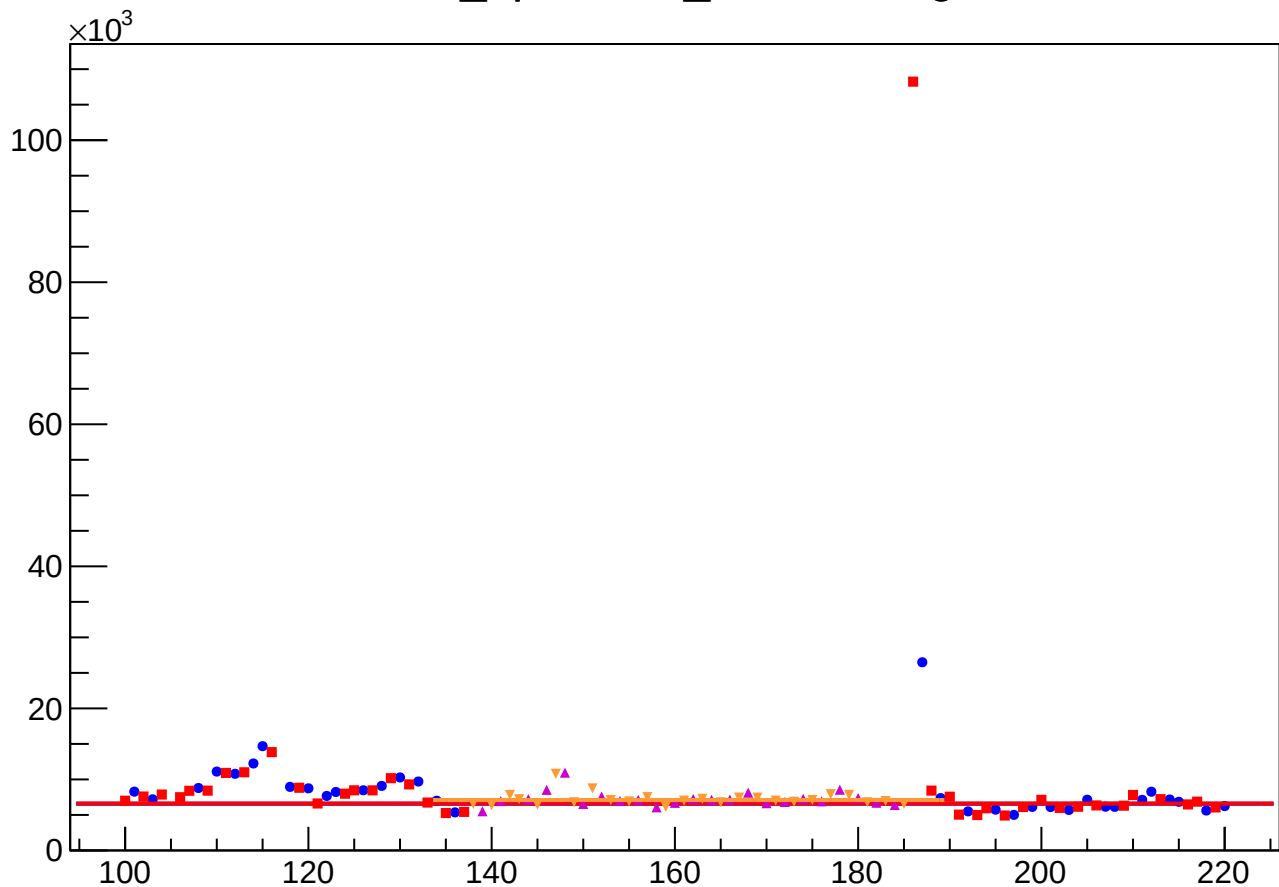
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.176 ± 1.137 χ^2/NDF : 48.9/58

All: 3.373 ± 0.808 χ^2/NDF : 154.7/118

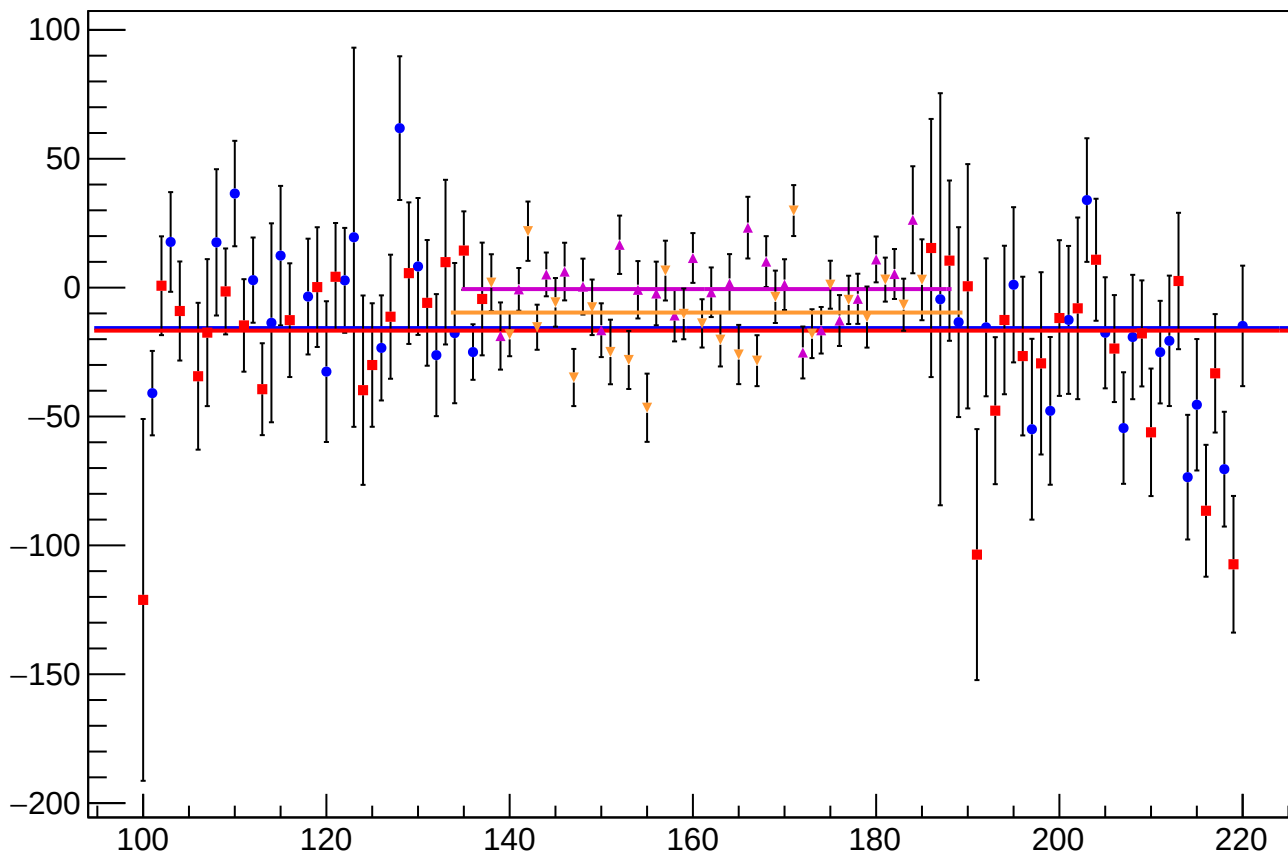
- sign 4.594 ± 1.149 χ^2/NDF : 103.6/59

diff_bpm4acY_rms vs Slug



Right In: 6580.840 ± 1.099 $\chi^2/\text{NDF}: 1674476.8/33$ + sign 6820.518 ± 0.804 $\chi^2/\text{NDF}: 2158654.8/58$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 6812.346 ± 0.571 $\chi^2/\text{NDF}: 4921161.1/11$
 Right Out: 6603.997 ± 1.097 $\chi^2/\text{NDF}: 2171130.2/36$ - sign 6804.007 ± 0.812 $\chi^2/\text{NDF}: 2762297.7/59$
 Left In: 7047.269 ± 1.209 $\chi^2/\text{NDF}: 517433.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -15.697 ± 3.951 χ^2/NDF : 50.7/33

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

Right Out: -16.677 ± 4.029 χ^2/NDF : 44.6/36

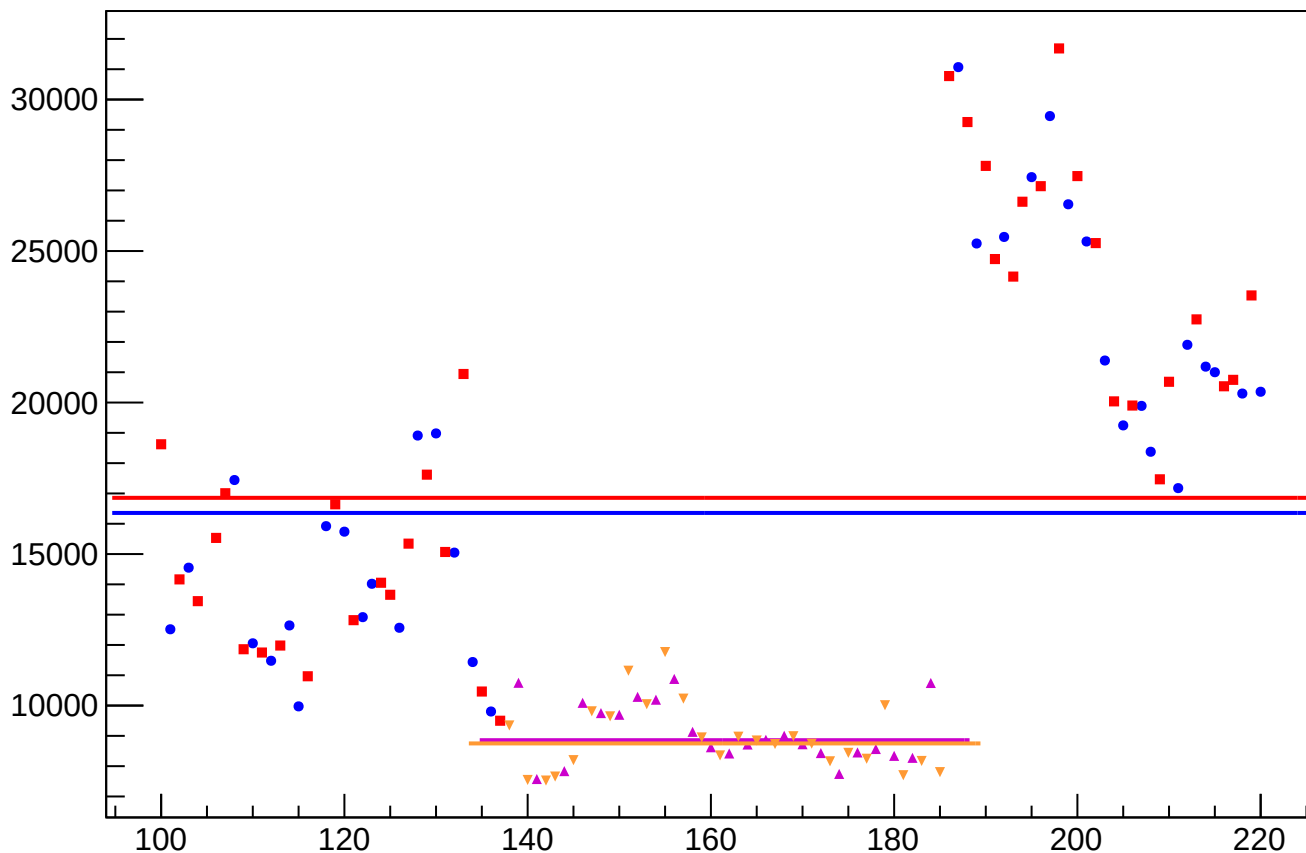
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -10.959 ± 1.827 χ^2/NDF : 110.5/58

All: -7.660 ± 1.314 χ^2/NDF : 204.1/118

- sign -4.119 ± 1.892 χ^2/NDF : 86.8/59

diff_bpm4ecX_rms vs Slug



Right In: 16356.874 $\pm$ 2.794 χ^2 /NDF: 3471158.2/33

Left Out: 8750.420 $\pm$ 1.457 χ^2 /NDF:463880.1/24

+ sign 10377.199 $\pm$ 1.292 χ^2 /NDF: 9763327.9/58

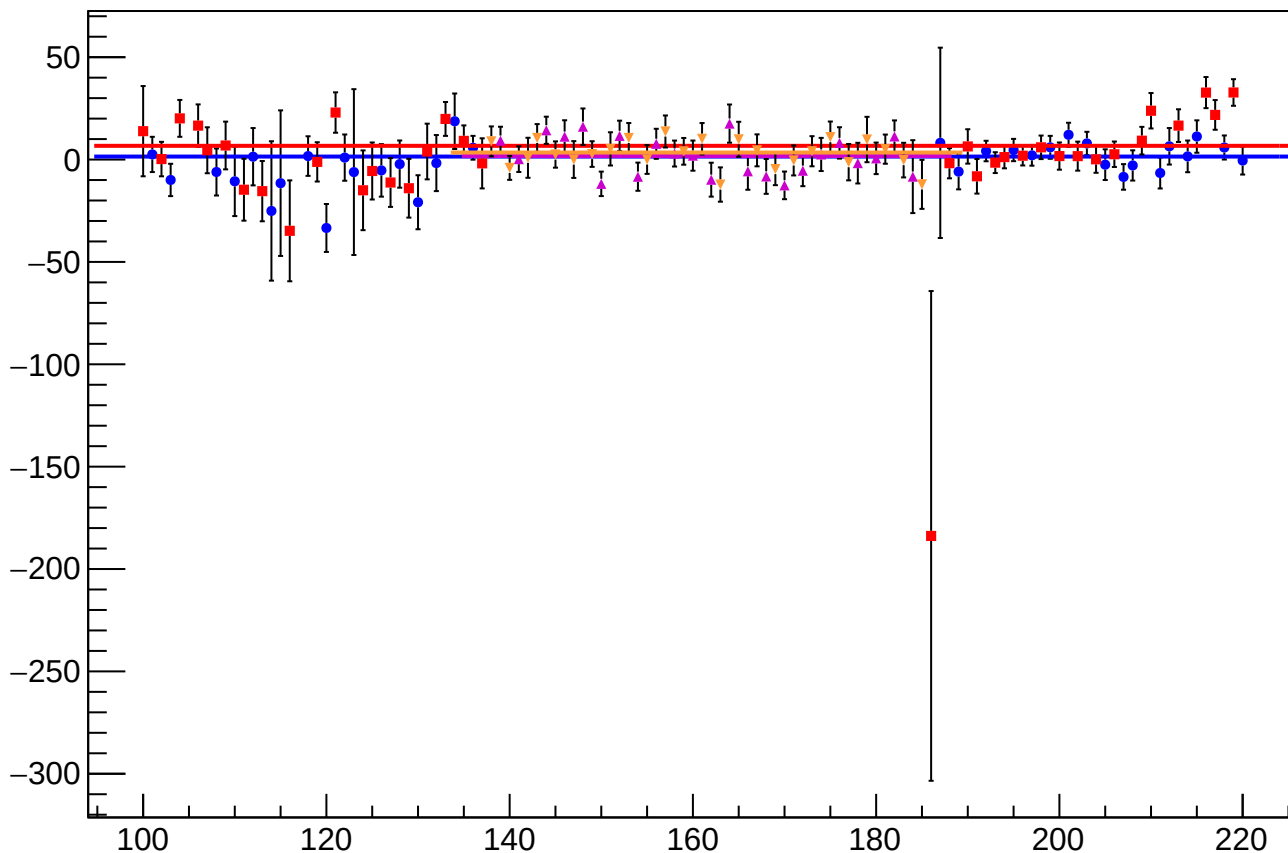
Right Out: 16855.652 $\pm$ 2.849 χ^2 /NDF: 3878071.4/36

All: 10495.418 $\pm$ 0.929 χ^2 /NDF: 20164359.7

Left In: 8857.329 $\pm$ 1.516 χ^2 /NDF:361778.8/22

- sign 10622.251 $\pm$ 1.338 χ^2 /NDF: 10383674.7/59

diff_bpm4ecY_mean vs Slug



Right In: 1.463 ± 1.378 χ^2/NDF : 31.5/33

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

Right Out: 6.709 ± 1.355 χ^2/NDF : 75.8/36

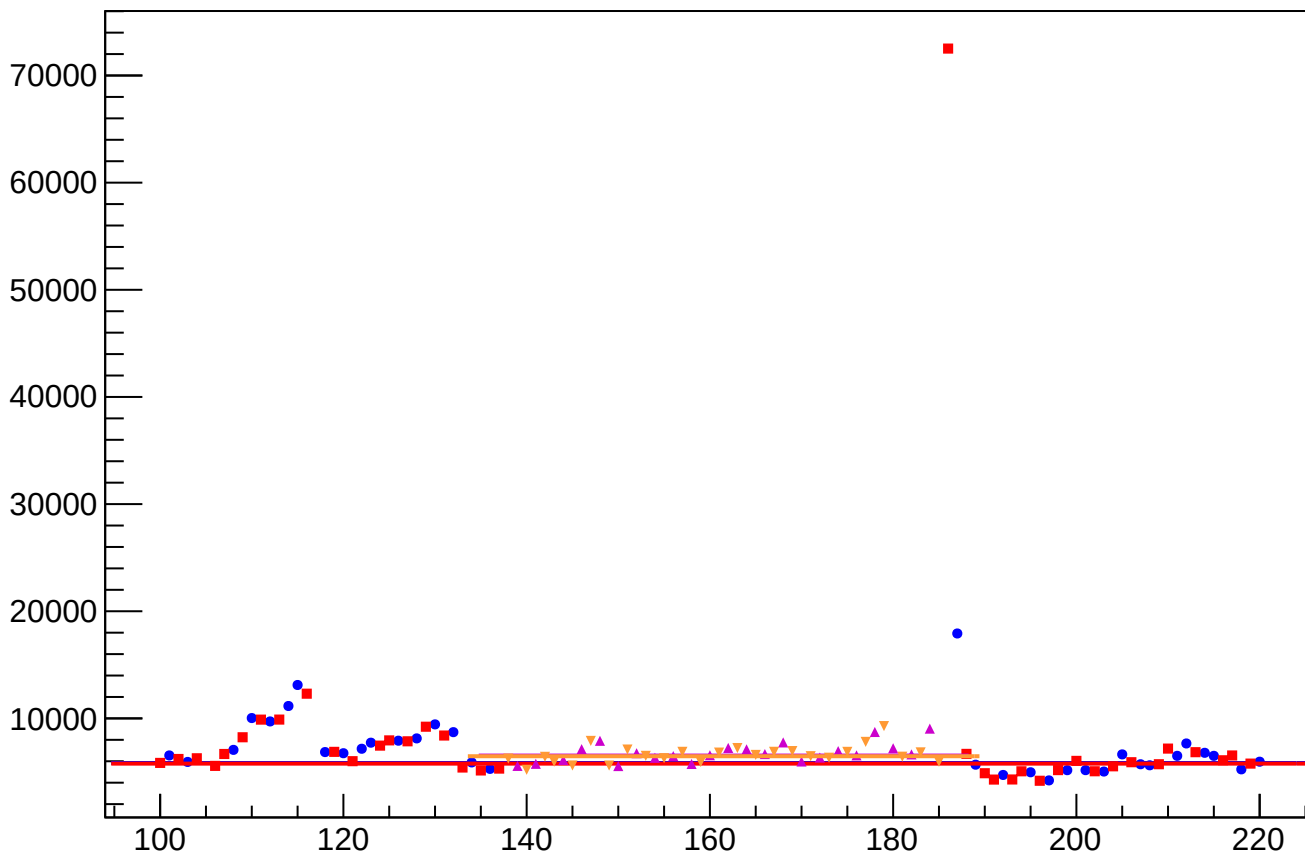
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.348 ± 1.023 χ^2/NDF : 48.6/58

All: 3.470 ± 0.726 χ^2/NDF : 166.1/118

- sign 4.609 ± 1.030 χ^2/NDF : 115.1/59

diff_bpm4ecY_rms vs Slug



Right In: 5836.407+/-0.974 χ^2/NDF : 1674373.5/33

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

Right Out: 5780.041+/-0.958 χ^2/NDF : 2250842.2/36

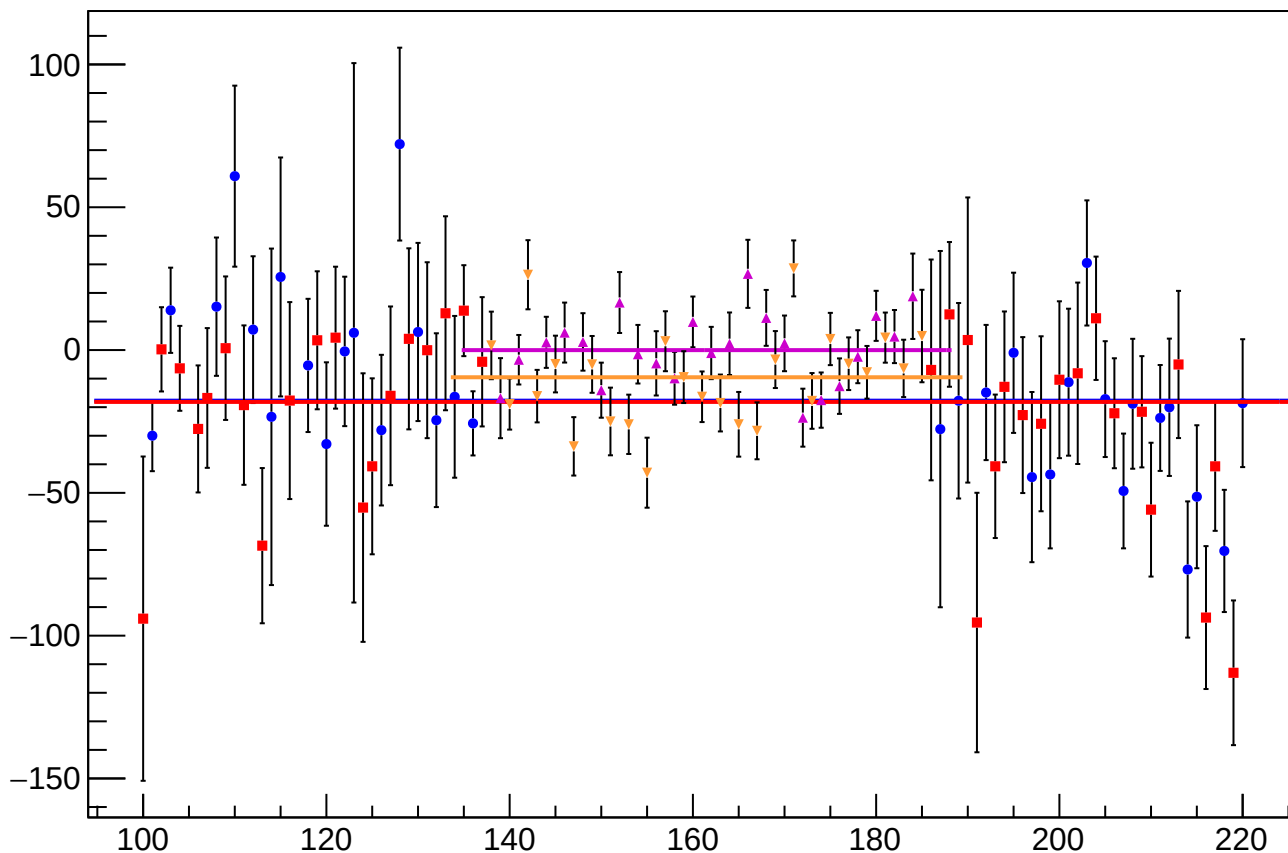
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6120.590+/-0.723 χ^2/NDF : 2350833.4/58

All: 6108.896+/-0.513 χ^2/NDF : 5326004.0/11

- sign 6097.026+/-0.729 χ^2/NDF : 2974643.7/59

diff_bpm1X_mean vs Slug



Right In: -17.722 ± 3.963 χ^2/NDF : 48.6/33

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

Right Out: -18.156 ± 4.095 χ^2/NDF : 51.6/36

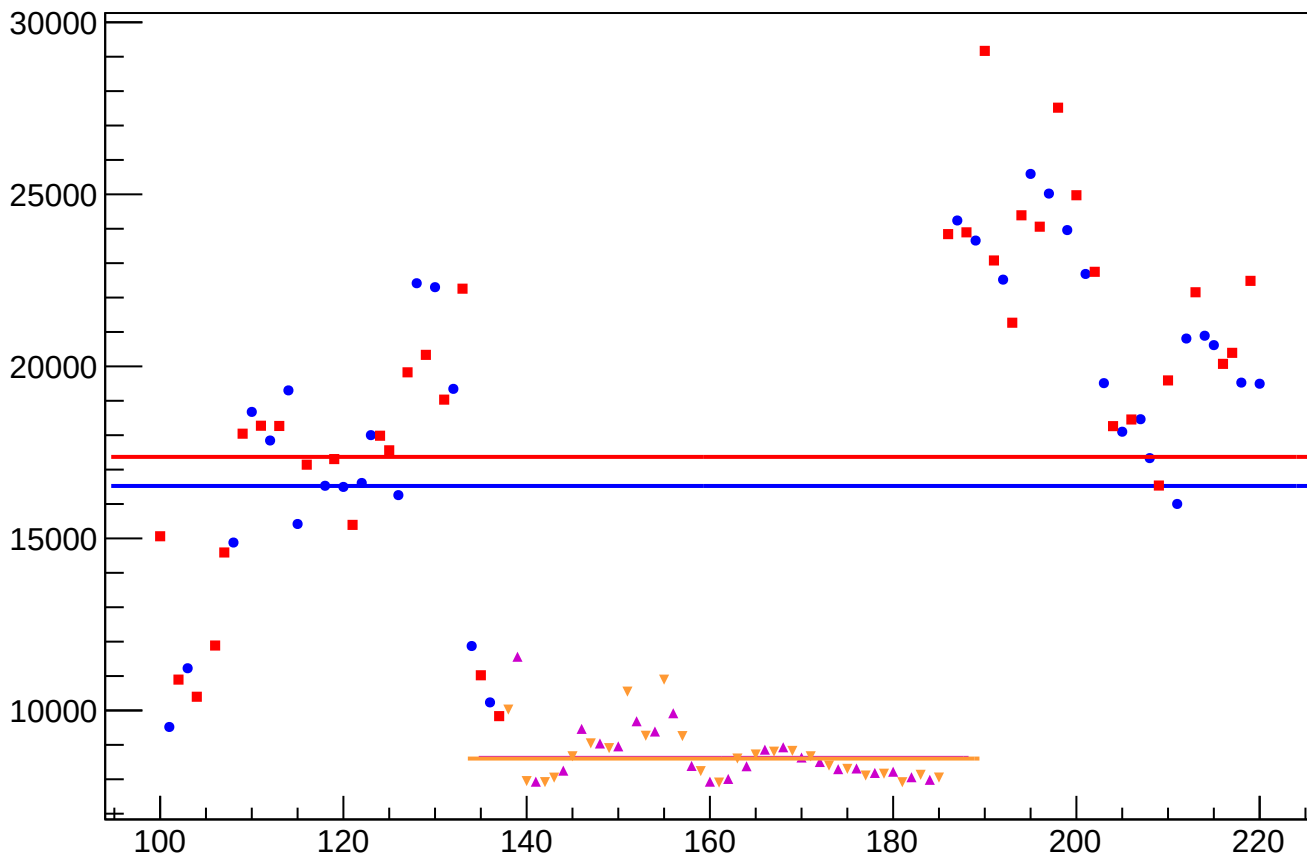
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -11.212 ± 1.796 χ^2/NDF : 111.6/58

All: -7.597 ± 1.290 χ^2/NDF : 217.1/118

- sign -3.745 ± 1.854 χ^2/NDF : 97.1/59

diff_bpm1X_rms vs Slug



Right In: 16524.657 $\pm$ 2.802 χ^2 /NDF: 2974513.9/33

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

Right Out: 17369.350 $\pm$ 2.895 χ^2 /NDF: 2924609.5/36

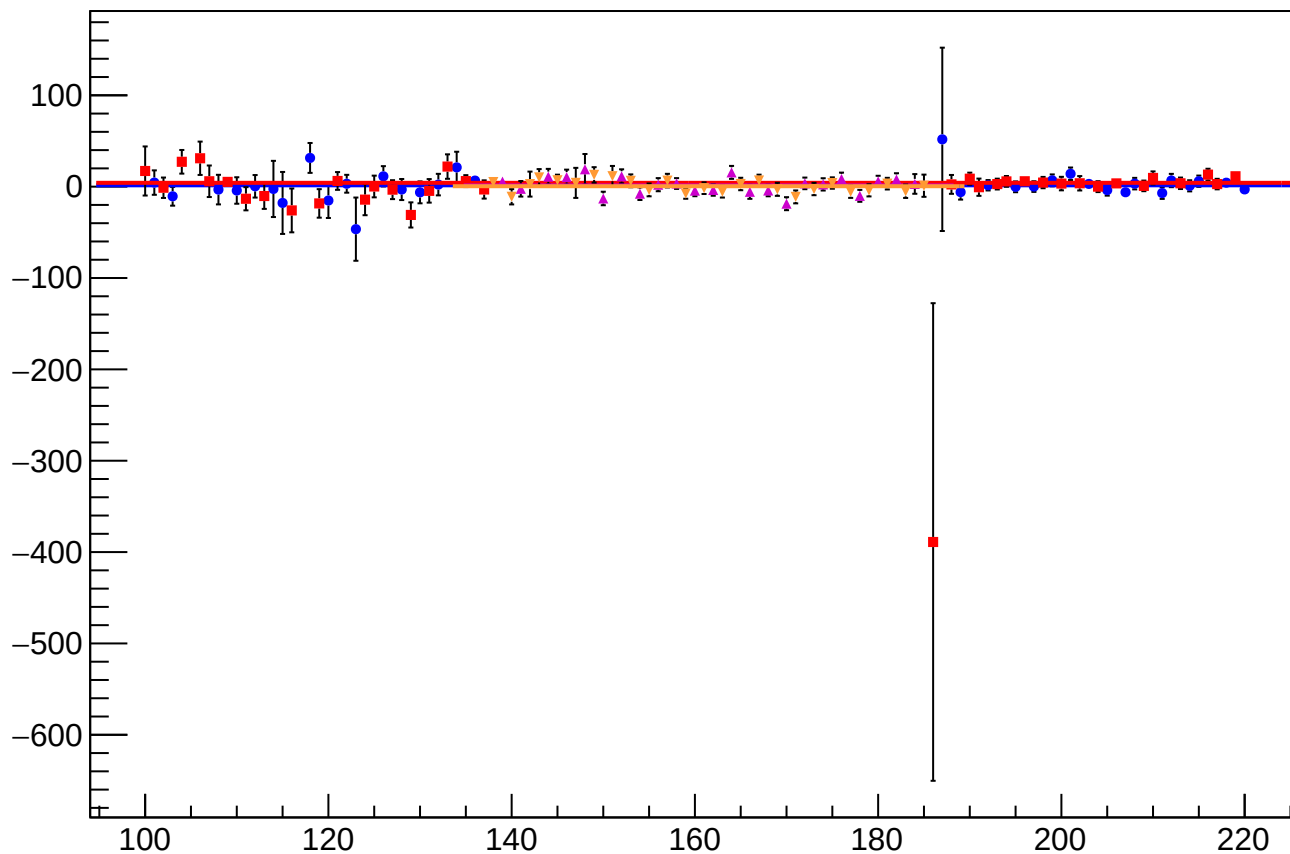
Left In: 8621.975 $\pm$ 1.471 χ^2 /NDF:230824.4/22

+ sign 10229.684 $\pm$ 1.270 χ^2 /NDF: 9574452.7/58

All: 10319.908 $\pm$ 0.912 χ^2 /NDF: 19996088.2

- sign 10416.055 $\pm$ 1.311 χ^2 /NDF: 10411213.2/59

diff_bpm1Y_mean vs Slug



Right In: 1.472 $\pm$ 1.327 χ^2 /NDF: 24.2/33

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

Right Out: 4.195 $\pm$ 1.292 χ^2 /NDF: 32.4/36

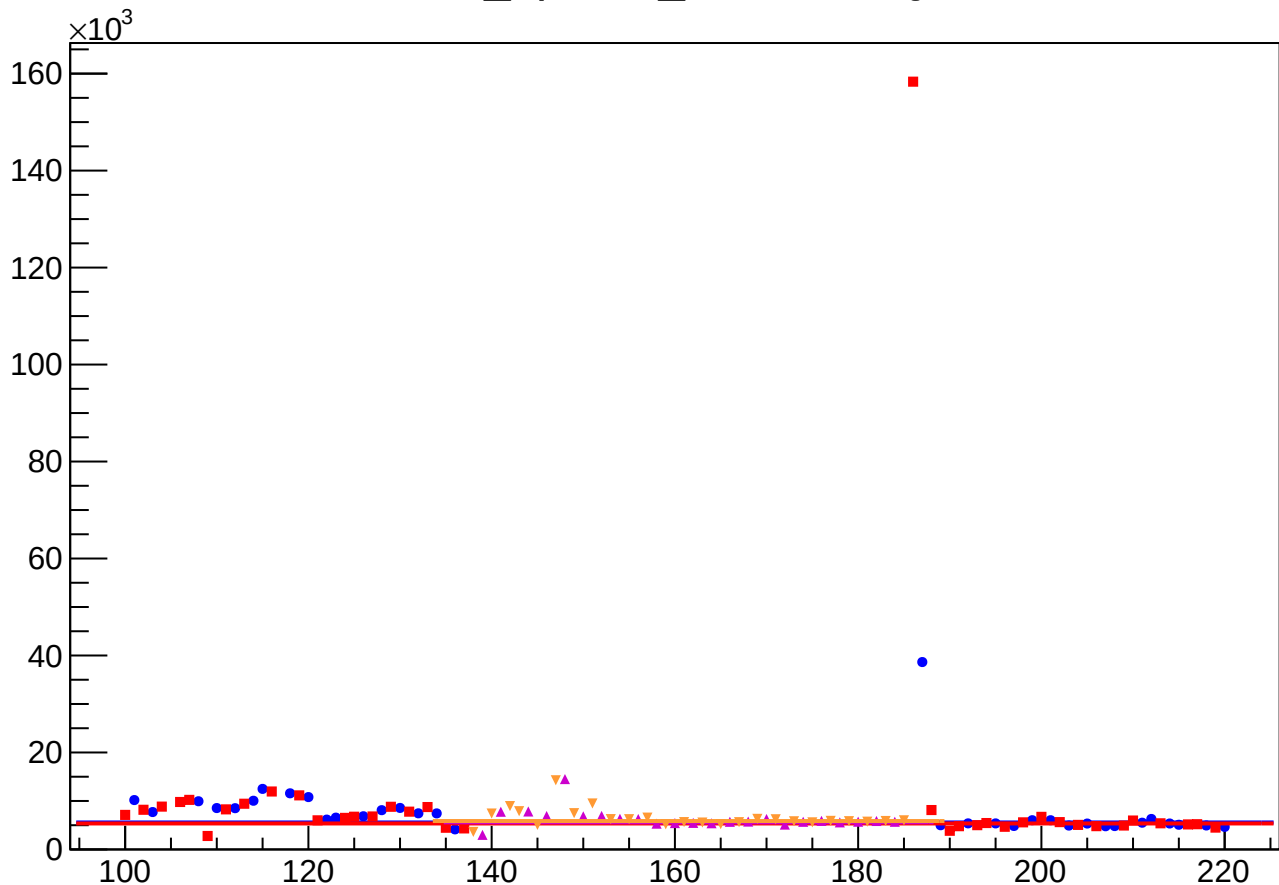
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

+ sign 1.009 $\pm$ 0.969 χ^2 /NDF: 44.0/58

All: 1.956 $\pm$ 0.679 χ^2 /NDF: 113.6/118

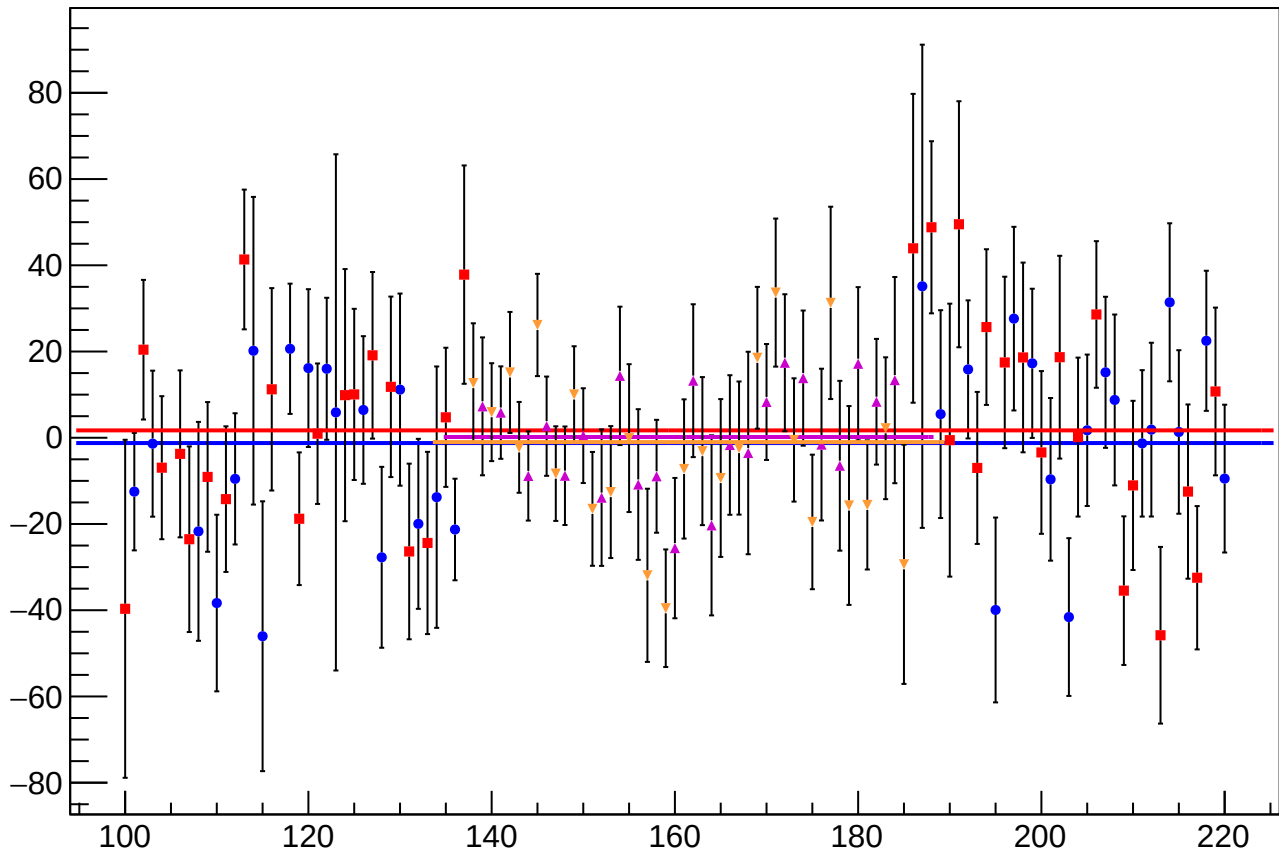
- sign 2.869 $\pm$ 0.952 χ^2 /NDF: 67.7/59

diff_bpm1Y_rms vs Slug



Right In: 5569.371+/-0.938	χ^2/NDF : 2247006.9/33	+ sign 5704.322+/-0.685	χ^2/NDF : 3982676.3/58
Left Out: 5858.642+/-1.004	χ^2/NDF : 1691344.1/24	All: 5583.947+/-0.480	χ^2/NDF : 9690767.0/11
Right Out: 5359.080+/-0.914	χ^2/NDF : 3526777.9/36	- sign 5467.961+/-0.673	χ^2/NDF : 5647533.9/59
Left In: 5596.879+/-0.994	χ^2/NDF : 2089750.1/22		

diff_bpm11X_mean vs Slug



Right In: -1.227 ± 3.224 $\chi^2/\text{NDF}: 37.2/33$

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

Right Out: 1.709 ± 3.218 $\chi^2/\text{NDF}: 51.7/36$

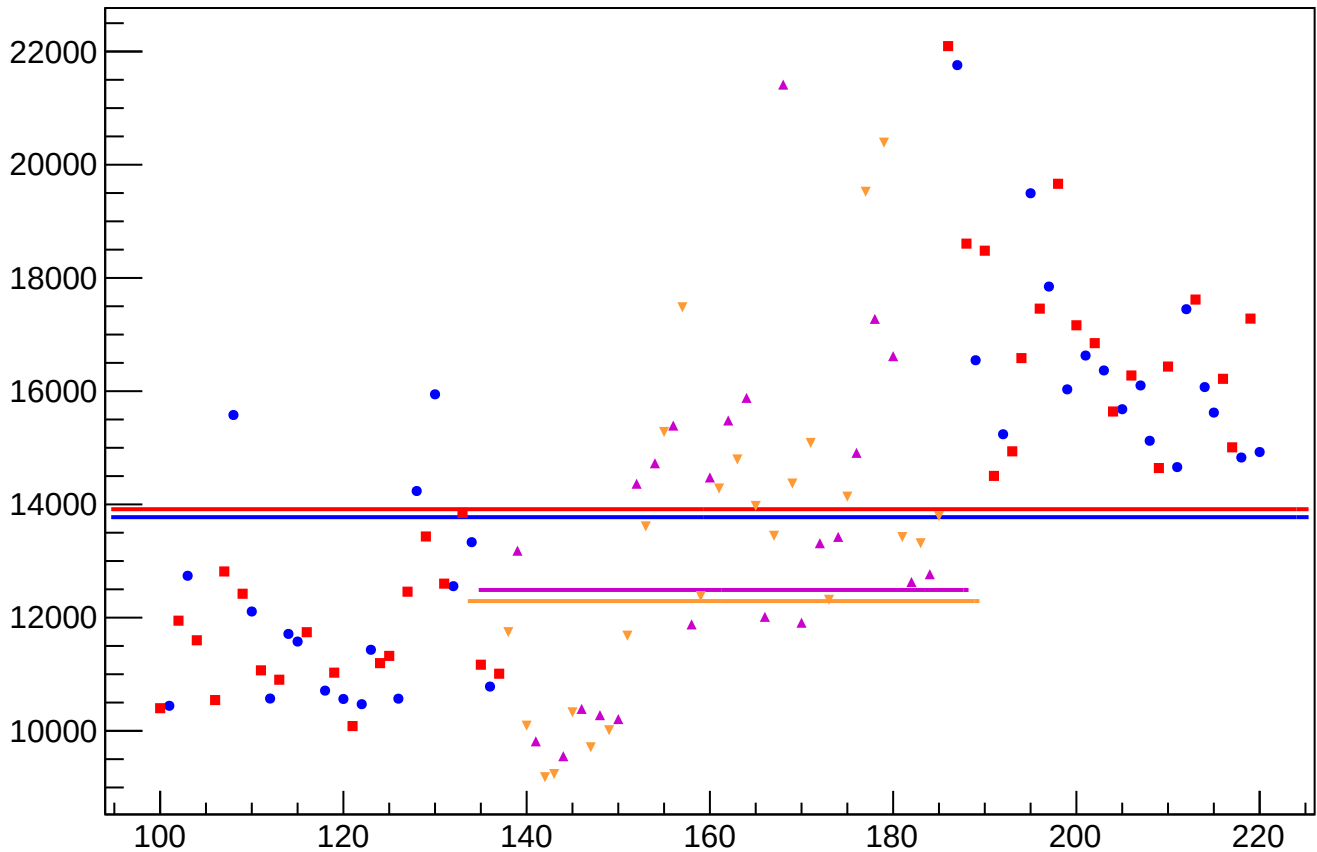
Left In: 0.172 ± 3.067 $\chi^2/\text{NDF}: 12.4/22$

+ sign -1.107 ± 2.173 $\chi^2/\text{NDF}: 70.7/58$

All: -0.123 ± 1.553 $\chi^2/\text{NDF}: 135.2/118$

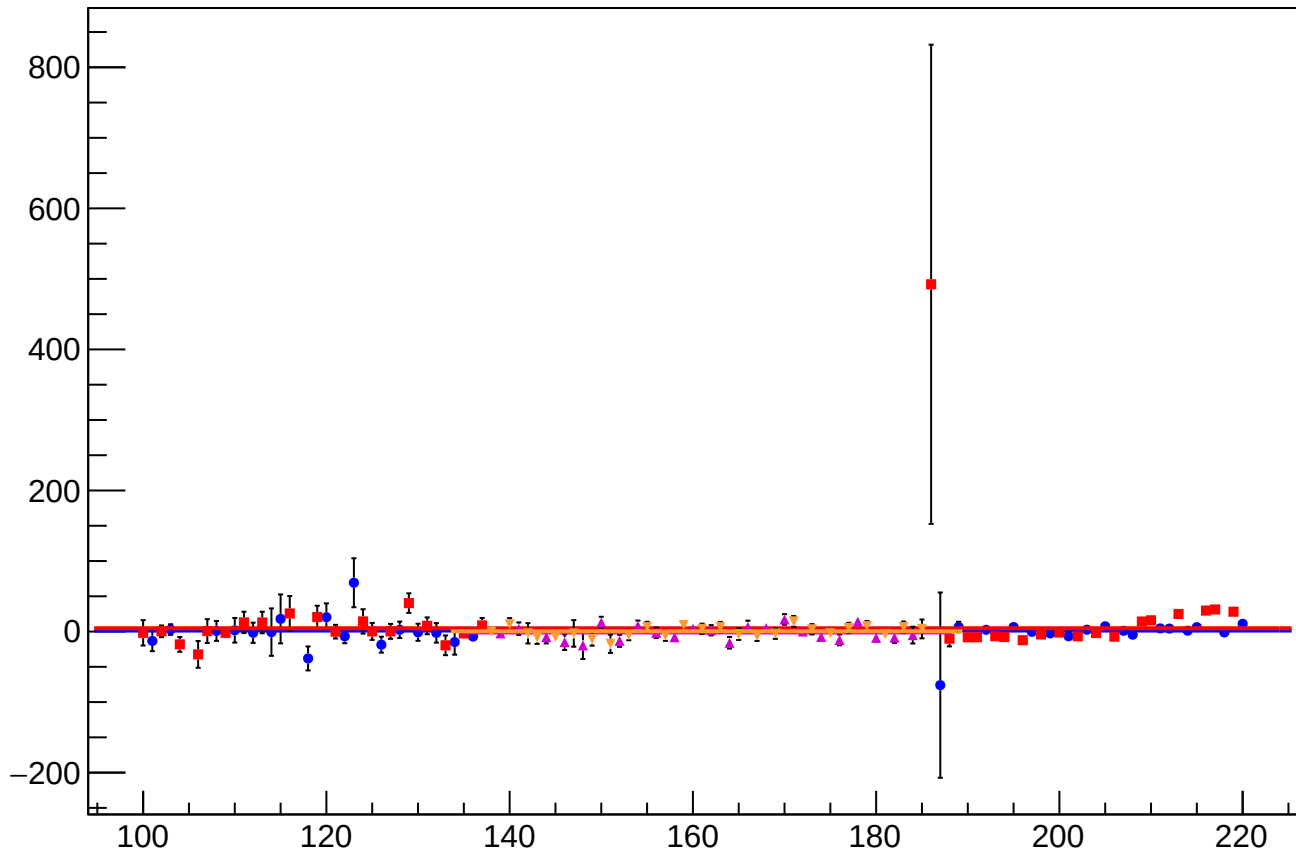
- sign 0.904 ± 2.220 $\chi^2/\text{NDF}: 64.1/59$

diff_bpm11X_rms vs Slug



Right In: 13774.480 $\pm$ 2.279	χ^2 /NDF: 1337618.6/33	+ sign 12965.875 $\pm$ 1.536	χ^2 /NDF: 3070786.8/58
Left Out: 12292.583 $\pm$ 2.080	χ^2 /NDF: 1502548.3/24	All: 13064.704 $\pm$ 1.098	χ^2 /NDF: 6136071.0/1
Right Out: 13915.429 $\pm$ 2.276	χ^2 /NDF: 1496396.9/36	- sign 13167.893 $\pm$ 1.570	χ^2 /NDF: 3056827.0/59
Left In: 12488.821 $\pm$ 2.169	χ^2 /NDF: 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: 1.420 ± 1.099 χ^2/NDF : 34.0/33

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

Right Out: 4.659 ± 1.109 χ^2/NDF : 177.2/36

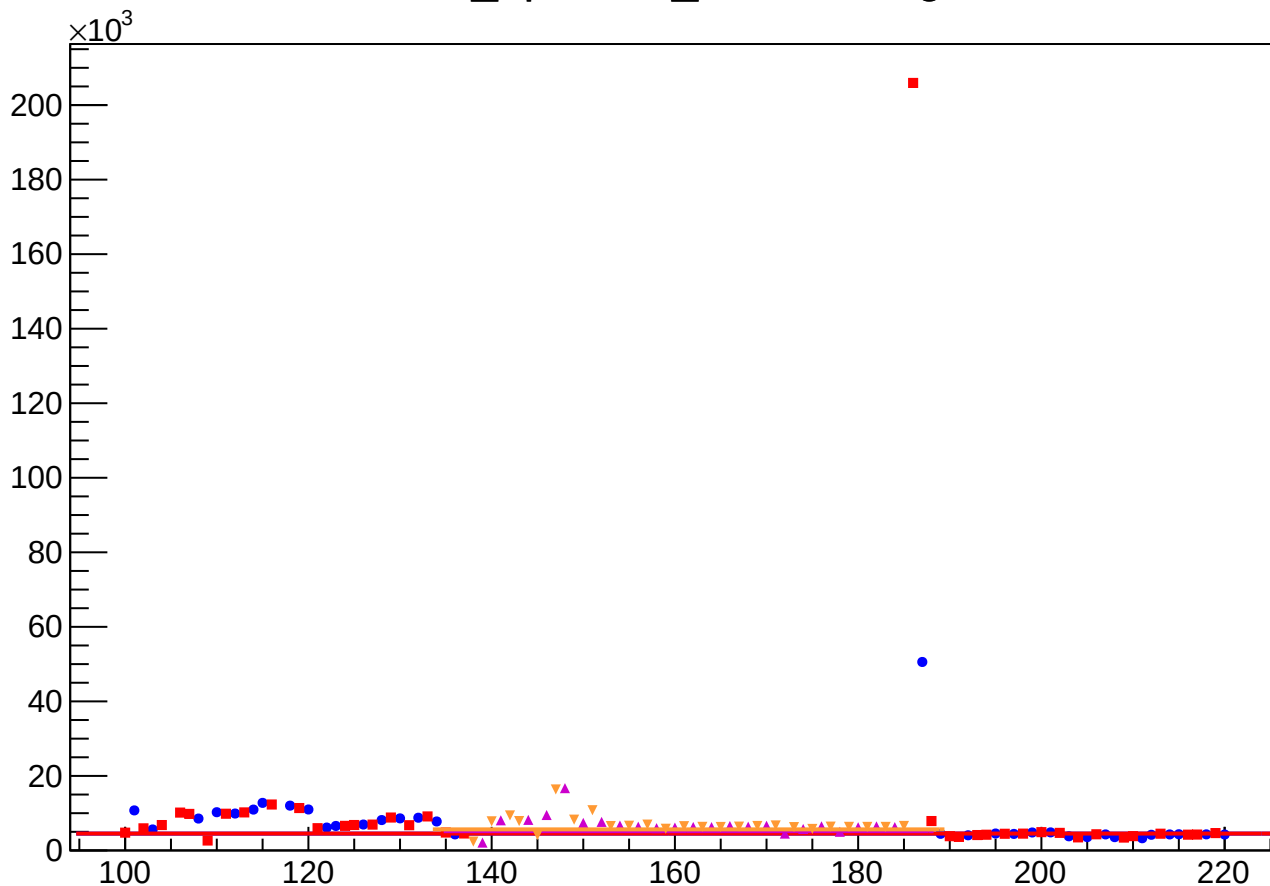
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign 1.046 ± 0.873 χ^2/NDF : 53.6/58

All: 1.699 ± 0.615 χ^2/NDF : 277.1/118

- sign 2.342 ± 0.866 χ^2/NDF : 222.4/59

diff_bpm11Y_rms vs Slug



Right In: 4519.201 $\pm$ 0.777 χ^2/NDF : 3477385.9/33

Left Out: 5655.639 $\pm$ 1.014 χ^2/NDF : 4124124.3/24

Right Out: 4531.384 $\pm$ 0.784 χ^2/NDF : 3969008.5/36

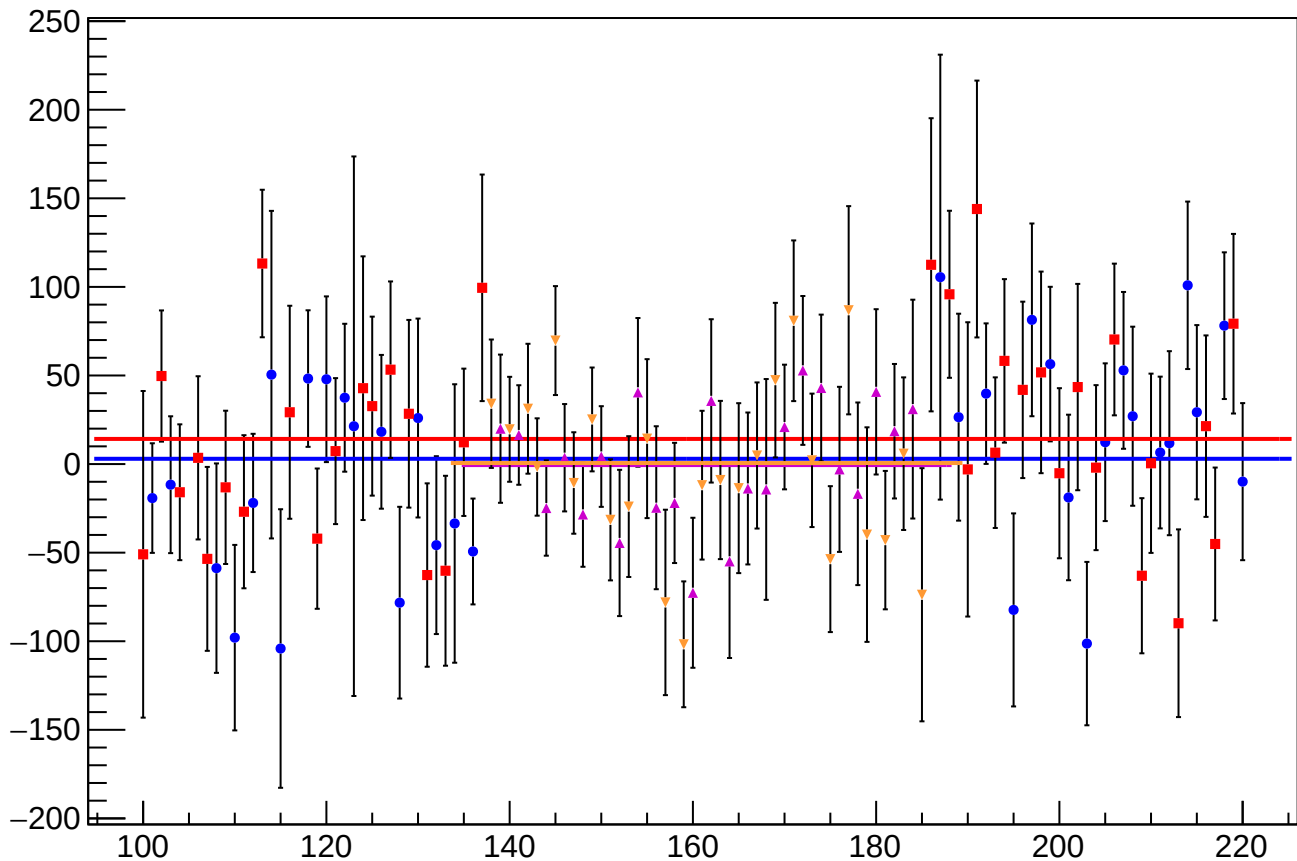
Left In: 5180.743 $\pm$ 0.980 χ^2/NDF : 5350053.6/22

+ sign 4939.658 $\pm$ 0.617 χ^2/NDF : 8392225.1/58

All: 4861.592 $\pm$ 0.435 χ^2/NDF : 18010855.7/100

- sign 4784.770 $\pm$ 0.612 χ^2/NDF : 9586870.7/59

diff_bpm12X_mean vs Slug



Right In: 2.983 ± 8.080 $\chi^2/\text{NDF}: 40.4/33$

Left Out: 0.580 ± 7.691 $\chi^2/\text{NDF}: 31.0/24$

Right Out: 14.194 ± 8.064 $\chi^2/\text{NDF}: 41.9/36$

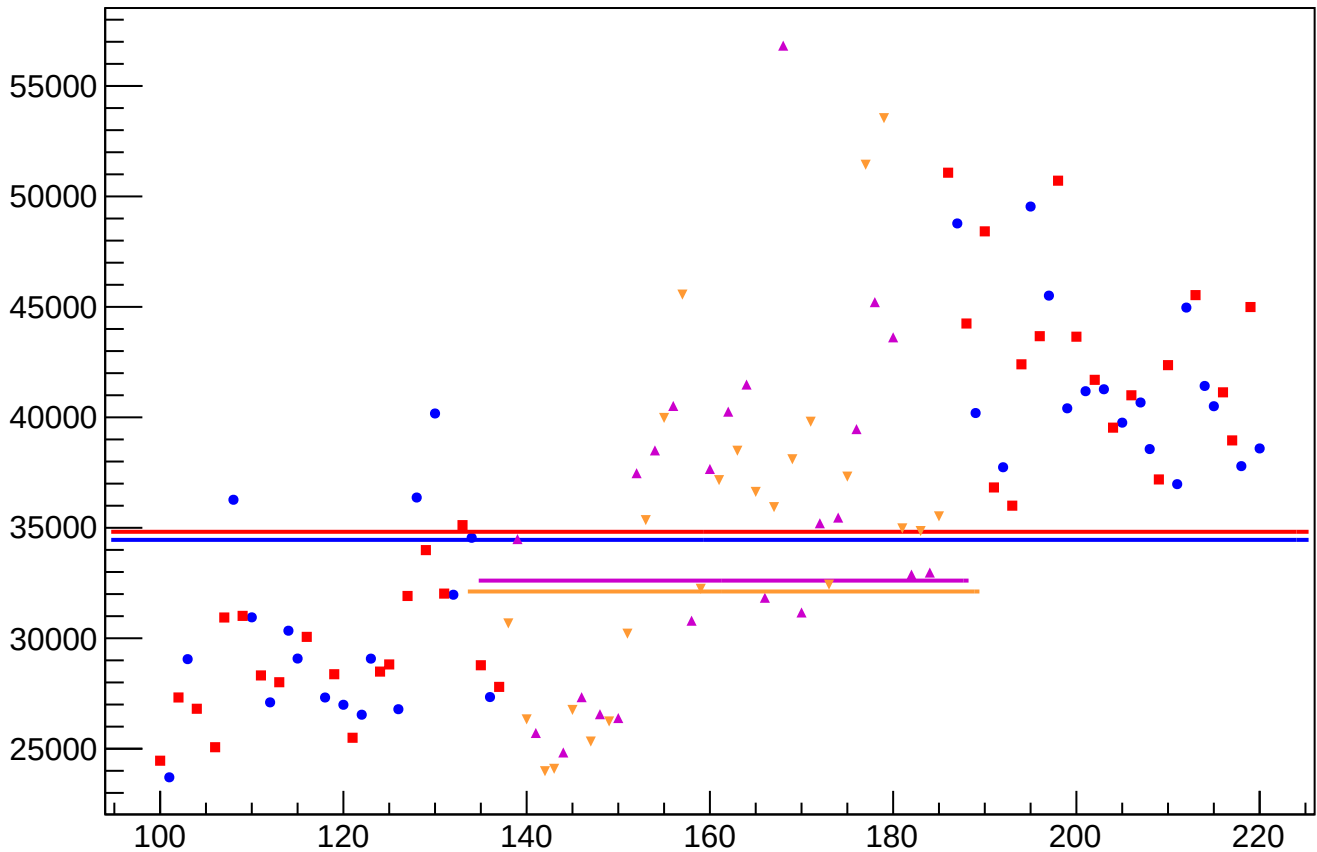
Left In: -0.565 ± 8.015 $\chi^2/\text{NDF}: 14.3/22$

+ sign 1.722 ± 5.571 $\chi^2/\text{NDF}: 71.4/58$

All: 4.194 ± 3.979 $\chi^2/\text{NDF}: 129.7/118$

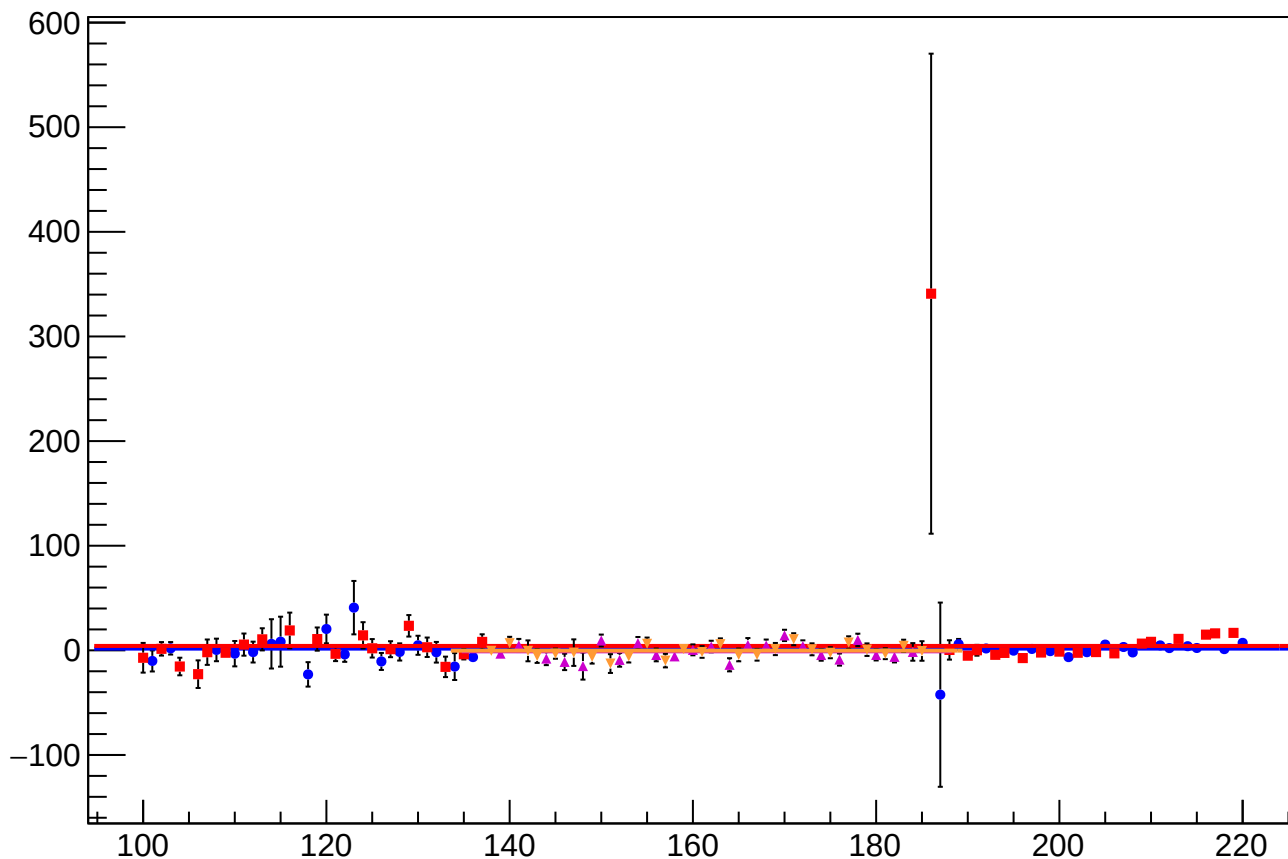
- sign 6.769 ± 5.685 $\chi^2/\text{NDF}: 57.9/59$

diff_bpm12X_rms vs Slug



Right In: 34453.704+/-5.713	χ^2/NDF : 1465587.3/33	+ sign 33227.774+/-3.939	χ^2/NDF : 3090075.1/58
Left Out: 32117.184+/-5.438	χ^2/NDF : 1536740.0/24	All: 33463.028+/-2.813	χ^2/NDF : 6177843.5/1
Right Out: 34819.587+/-5.702	χ^2/NDF : 1606479.9/36	- sign 33708.006+/-4.020	χ^2/NDF : 3080487.2/59
Left In: 32610.108+/-5.667	χ^2/NDF : 1398475.8/22		

diff_bpm12Y_mean vs Slug



Right In: 1.661 ± 0.625 χ^2/NDF : 45.0/33

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

Right Out: 4.223 ± 0.656 χ^2/NDF : 167.8/36

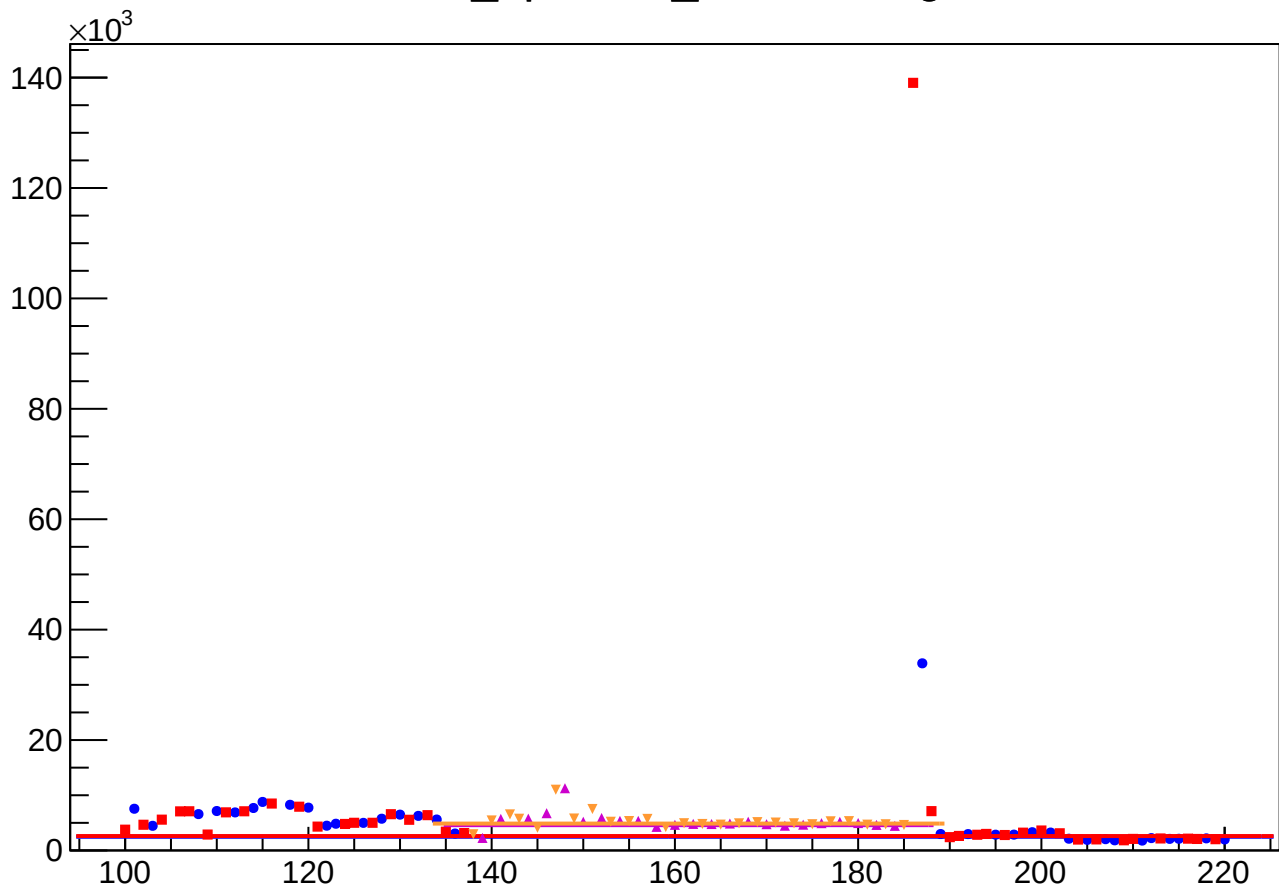
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign 1.236 ± 0.552 χ^2/NDF : 65.2/58

All: 2.073 ± 0.397 χ^2/NDF : 288.8/118

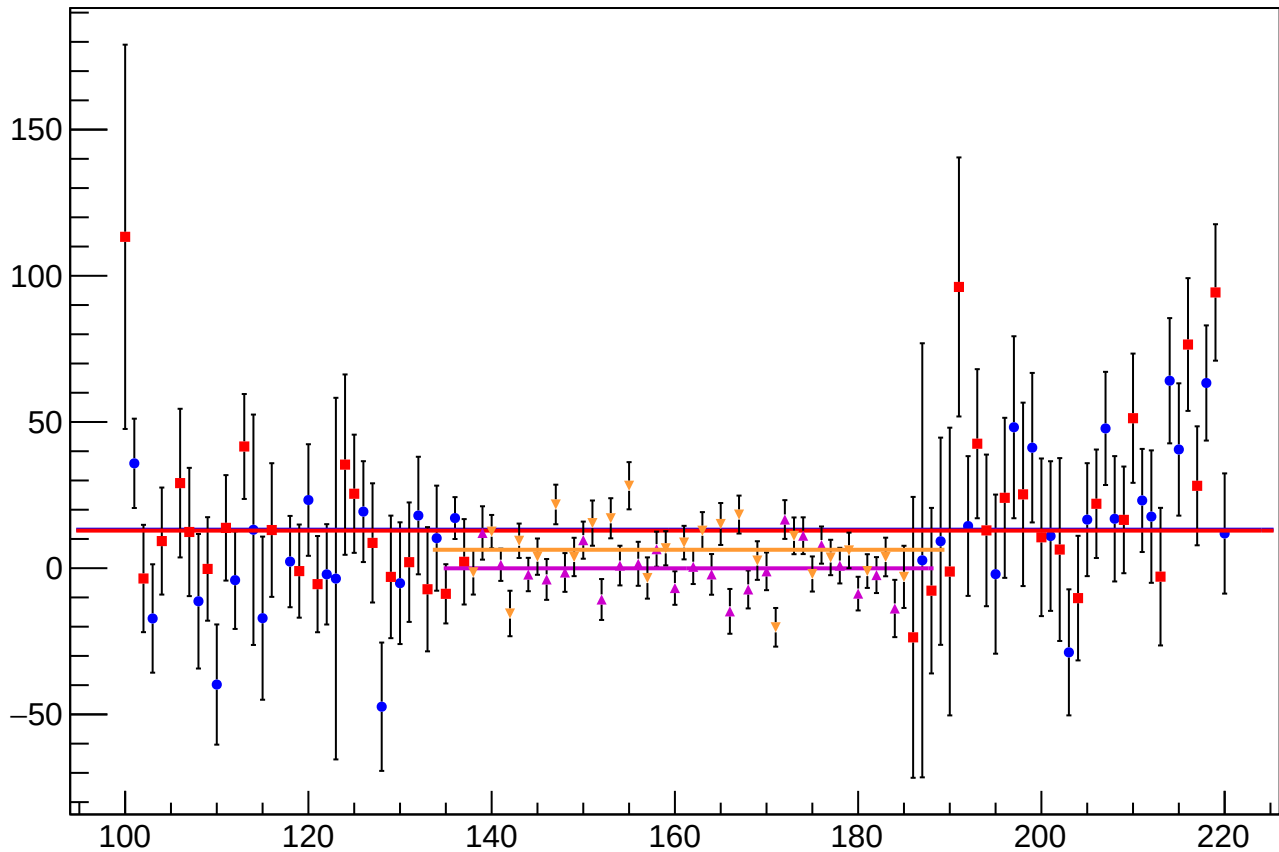
- sign 2.965 ± 0.570 χ^2/NDF : 218.9/59

diff_bpm12Y_rms vs Slug



Right In: 2486.579+/-0.442	χ^2/NDF : 5698156.3/33	+ sign 3013.497+/-0.390	χ^2/NDF : 13621401.9/58
Left Out: 4866.528+/-0.829	χ^2/NDF : 1511486.2/24	All: 3050.488+/-0.280	χ^2/NDF : 26745525.8/100
Right Out: 2607.600+/-0.464	χ^2/NDF : 6199419.2/36	- sign 3089.980+/-0.403	χ^2/NDF : 13105545.2/59
Left In: 4582.193+/-0.816	χ^2/NDF : 2478681.0/22		

diff_bpm16X_mean vs Slug



Right In: 13.173 ± 3.290 $\chi^2/\text{NDF}: 49.3/33$

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

Right Out: 12.856 ± 3.440 $\chi^2/\text{NDF}: 48.5/36$

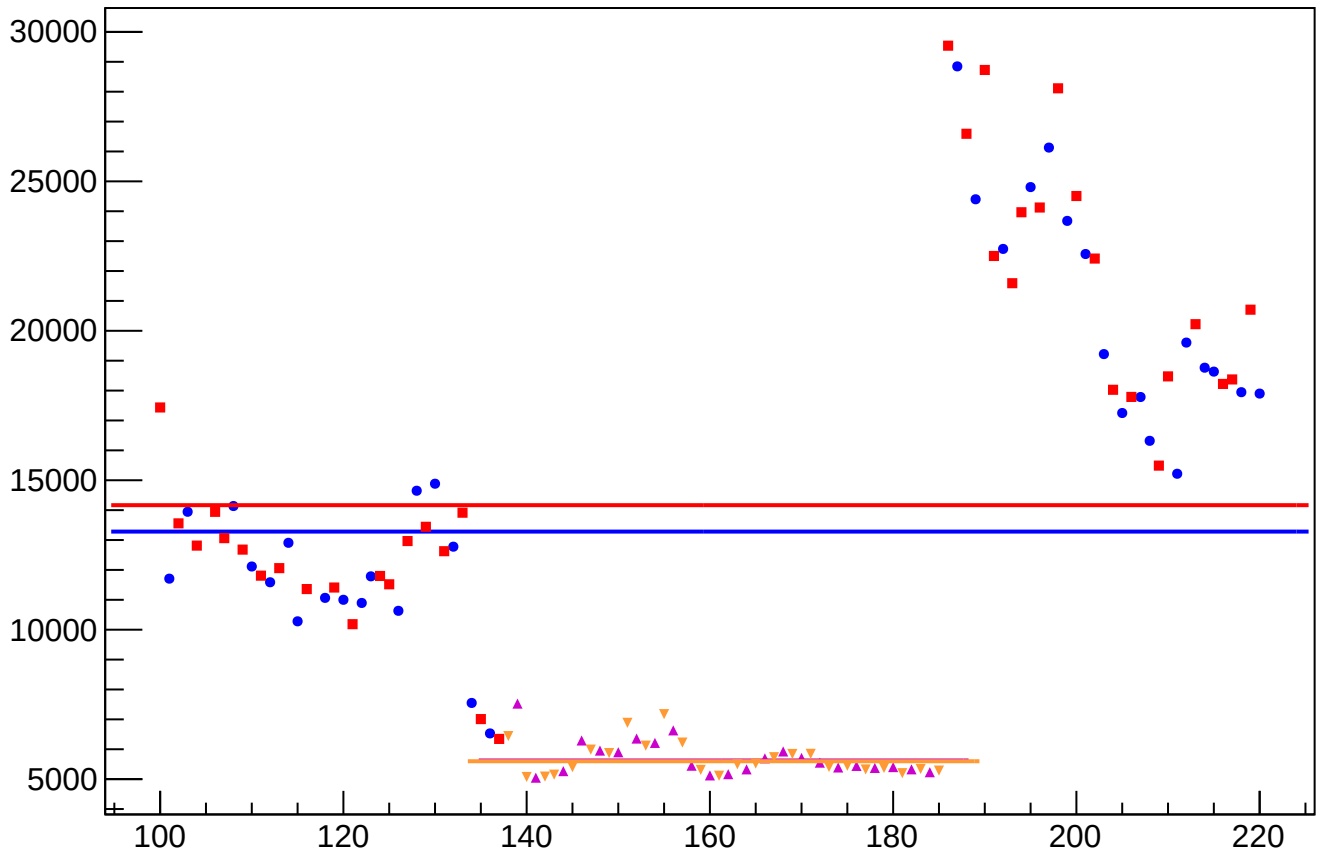
Left In: -0.044 ± 1.358 $\chi^2/\text{NDF}: 30.0/22$

+ sign 7.246 ± 1.219 $\chi^2/\text{NDF}: 109.8/58$

All: 4.568 ± 0.877 $\chi^2/\text{NDF}: 210.5/118$

- sign 1.695 ± 1.263 $\chi^2/\text{NDF}: 90.7/59$

diff_bpm16X_rms vs Slug



Right In: 13282.410+/-2.326 χ^2/NDF : 5148897.7/33

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

Right Out: 14166.133+/-2.432 χ^2/NDF : 4998866.9/36

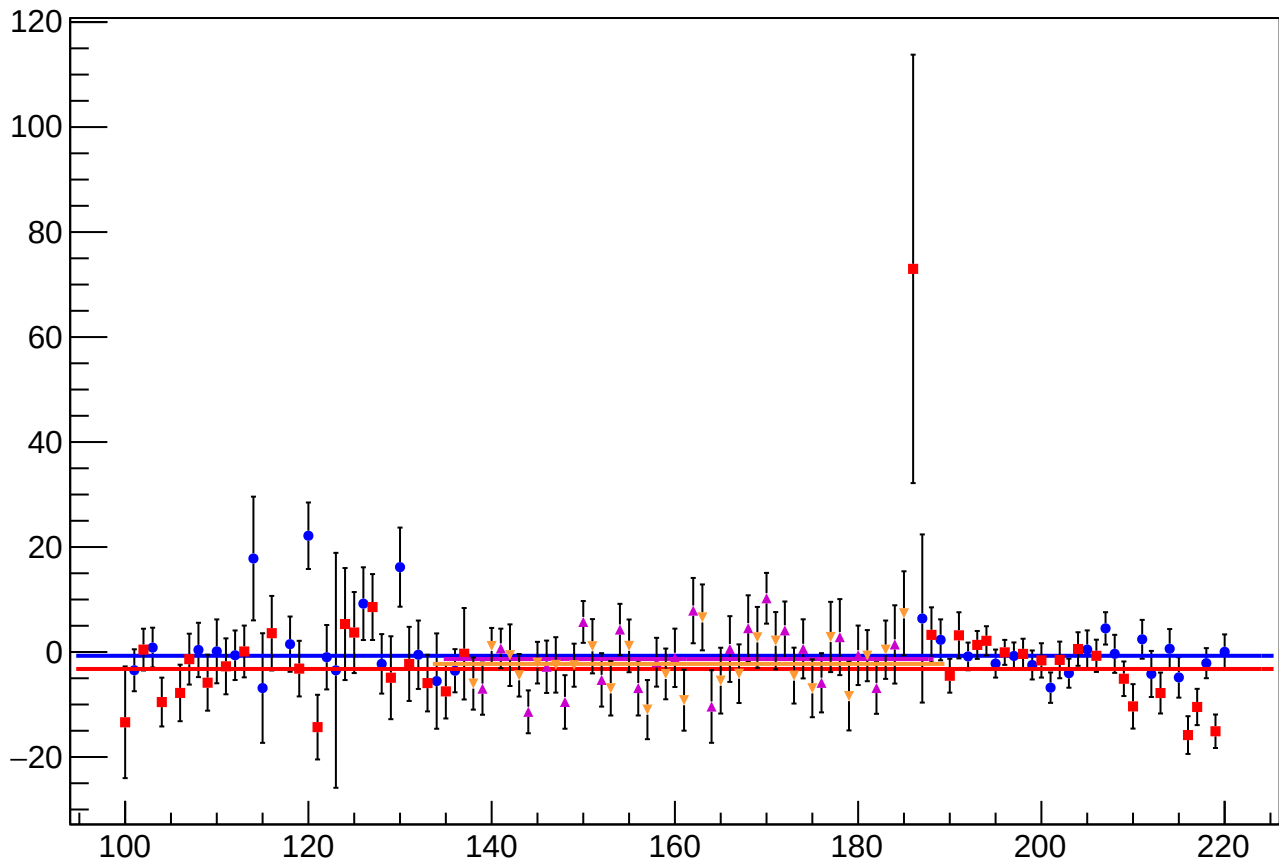
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

+ sign 6653.926+/-0.862 χ^2/NDF : 14843937.1/58

All: 6713.008+/-0.620 χ^2/NDF : 30793006.0/100

- sign 6776.413+/-0.893 χ^2/NDF : 15939330.3/59

diff_bpm16Y_mean vs Slug



Right In: -0.720 ± 0.685 χ^2/NDF : 37.9/33

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

Right Out: -3.229 ± 0.679 χ^2/NDF : 69.8/36

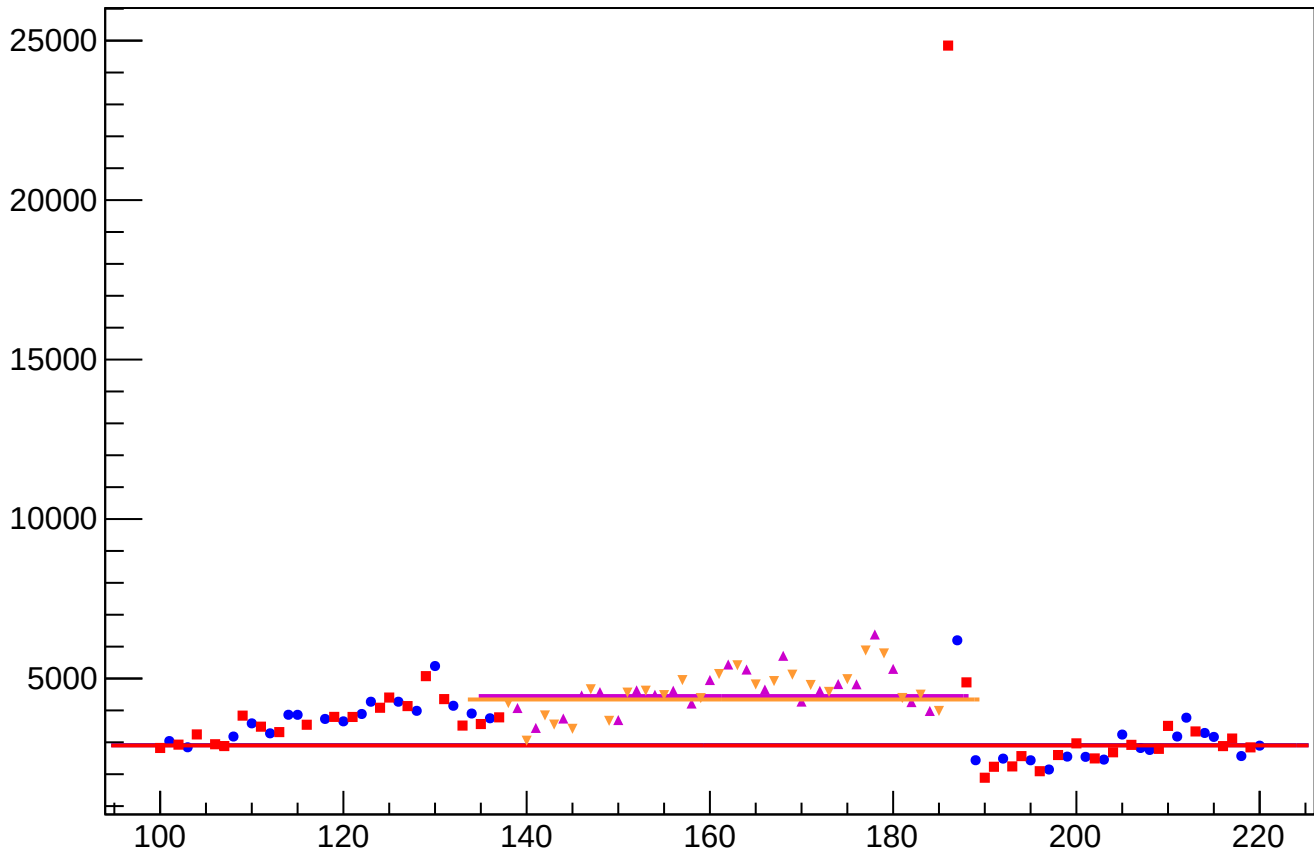
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.193 ± 0.571 χ^2/NDF : 55.0/58

All: -1.936 ± 0.405 χ^2/NDF : 161.0/118

- sign -2.691 ± 0.575 χ^2/NDF : 102.6/59

diff_bpm16Y_rms vs Slug



Right In: 2909.543 ± 0.485 $\chi^2/\text{NDF}: 1446494.4/33$

Left Out: 4342.635 ± 0.728 $\chi^2/\text{NDF}: 993035.5/24$

Right Out: 2902.143 ± 0.480 $\chi^2/\text{NDF}: 2346922.4/36$

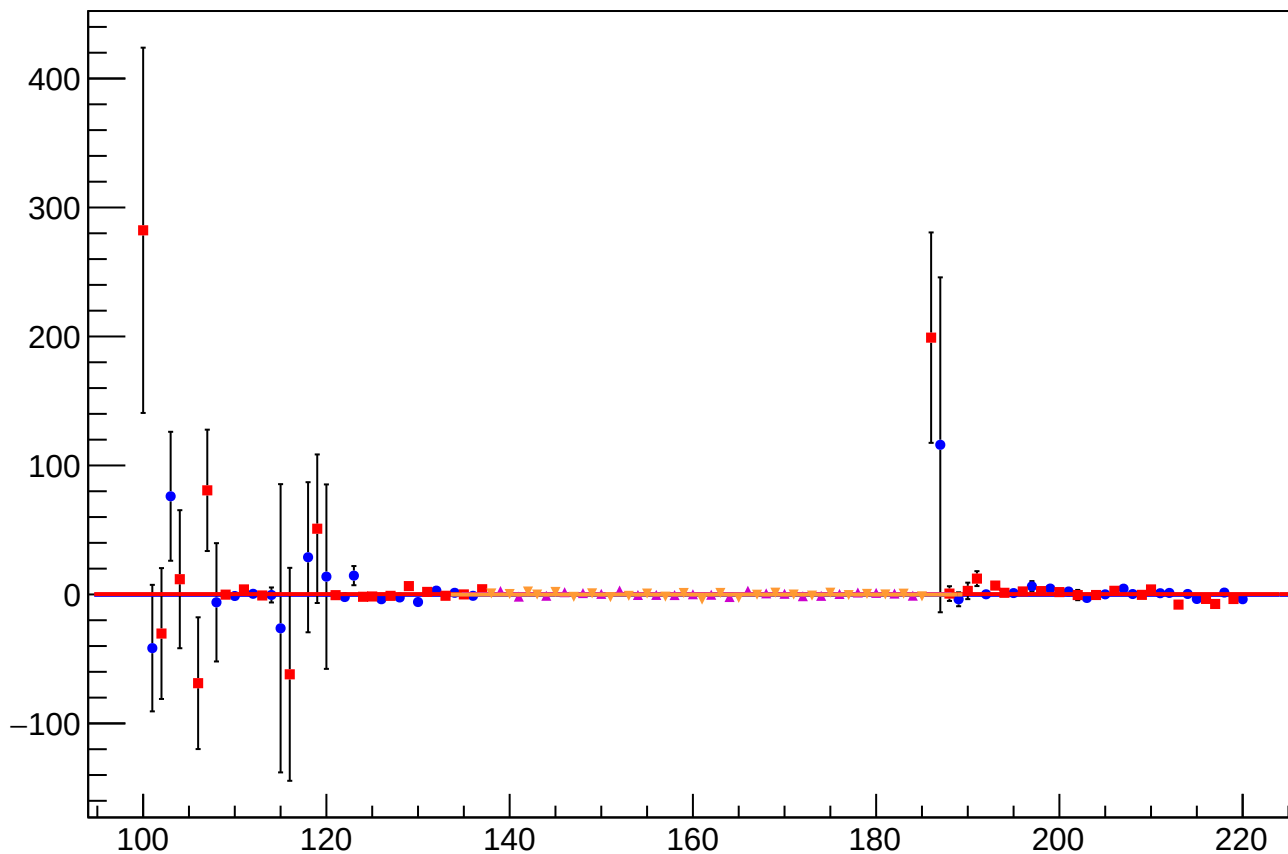
Left In: 4450.007 ± 0.765 $\chi^2/\text{NDF}: 693229.8/22$

+ sign 3349.235 ± 0.403 $\chi^2/\text{NDF}: 5122601.1/58$

All: 3344.600 ± 0.286 $\chi^2/\text{NDF}: 11098445.0/100$

- sign 3339.887 ± 0.407 $\chi^2/\text{NDF}: 5975577.7/59$

diff_bpm1p02bX_mean vs Slug



Right In: -0.320 ± 0.505 χ^2/NDF : 36.3/33

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

Right Out: 0.269 ± 0.513 χ^2/NDF : 62.0/36

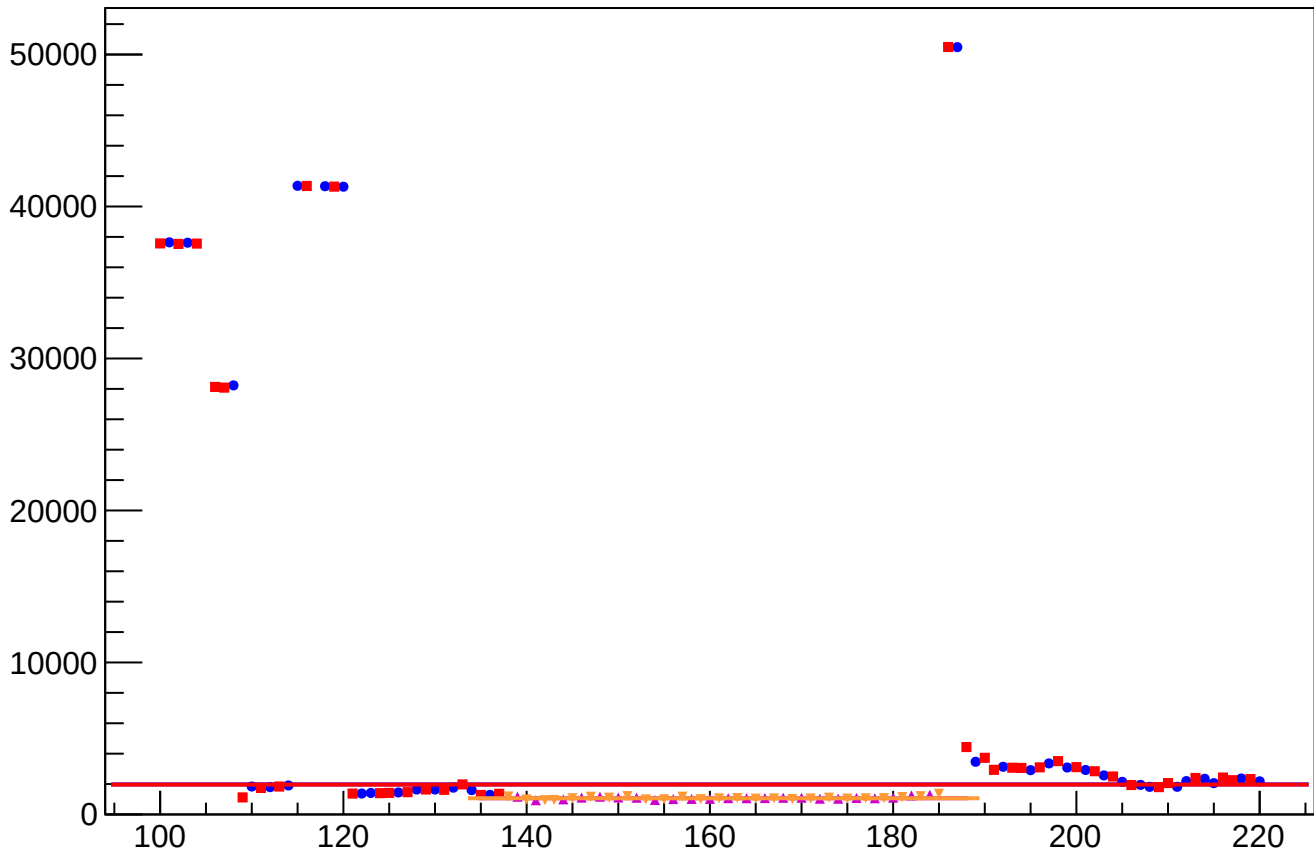
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.136 ± 0.223 χ^2/NDF : 70.9/58

All: 0.057 ± 0.160 χ^2/NDF : 161.7/118

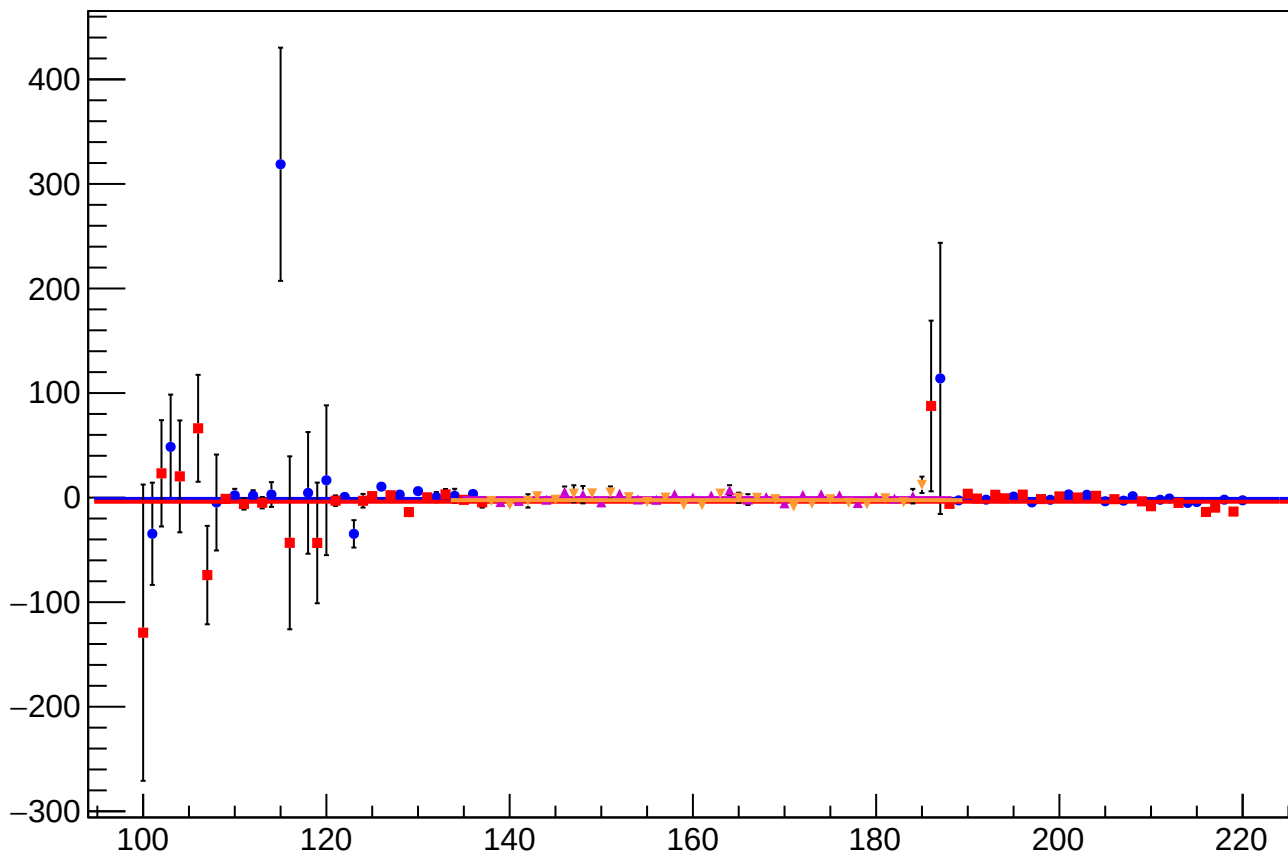
- sign 0.261 ± 0.230 χ^2/NDF : 89.3/59

diff_bpm1p02bX_rms vs Slug



Right In: 1976.880 ± 0.357 $\chi^2/\text{NDF}: 7063232.1/33$ + sign 1242.967 ± 0.158 $\chi^2/\text{NDF}: 12493319.6/58$
 Left Out: 1064.701 ± 0.176 $\chi^2/\text{NDF}: 186511.5/24$ All: 1244.905 ± 0.113 $\chi^2/\text{NDF}: 26121028.6/1$
 Right Out: 1965.921 ± 0.362 $\chi^2/\text{NDF}: 8539140.4/36$ - sign 1246.954 ± 0.162 $\chi^2/\text{NDF}: 13627399.4/59$
 Left In: 1066.255 ± 0.182 $\chi^2/\text{NDF}: 164232.1/22$

diff_bpm1p02bY_mean vs Slug



Right In: -1.245 ± 0.424 χ^2/NDF : 62.3/33

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

Right Out: -3.937 ± 0.446 χ^2/NDF : 148.6/36

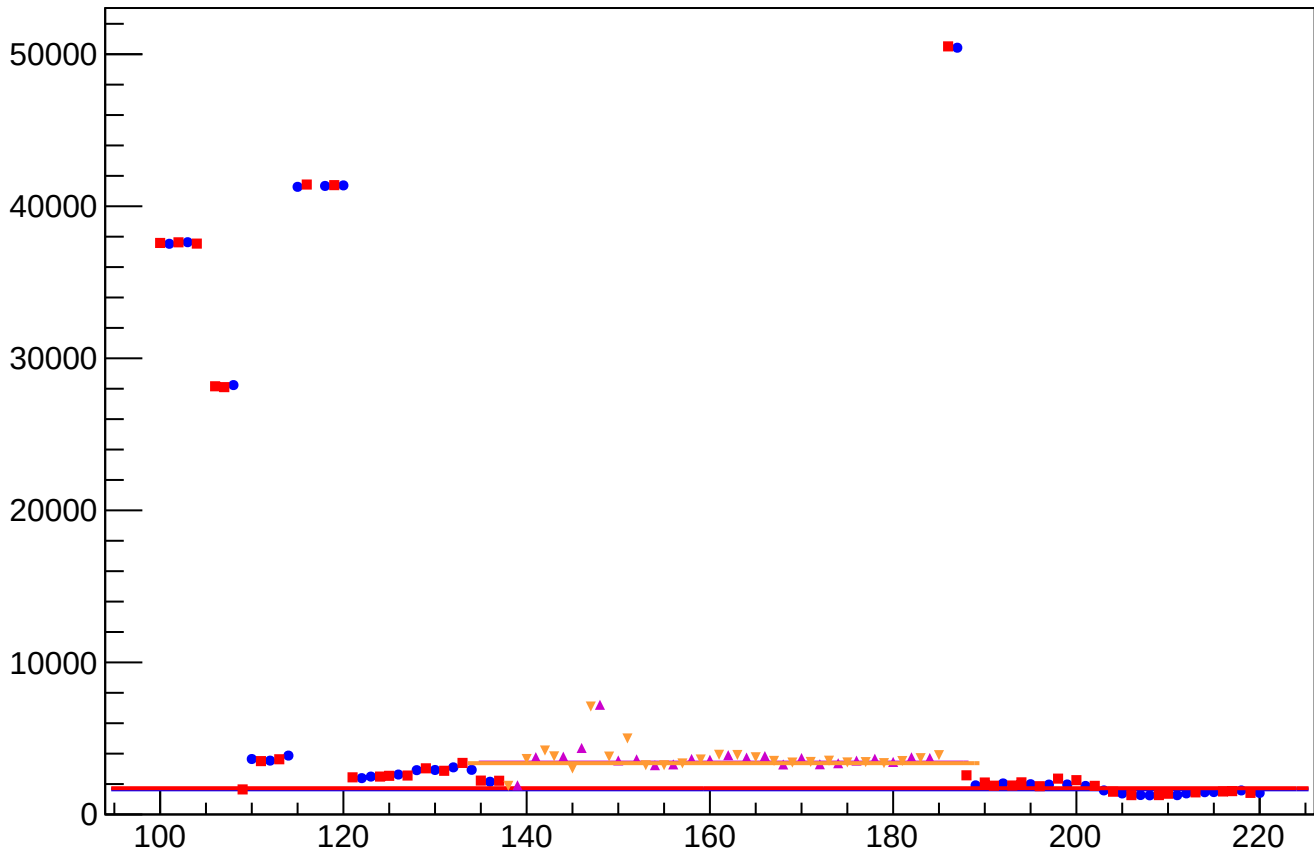
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -1.498 ± 0.376 χ^2/NDF : 85.2/58

All: -2.298 ± 0.272 χ^2/NDF : 272.0/118

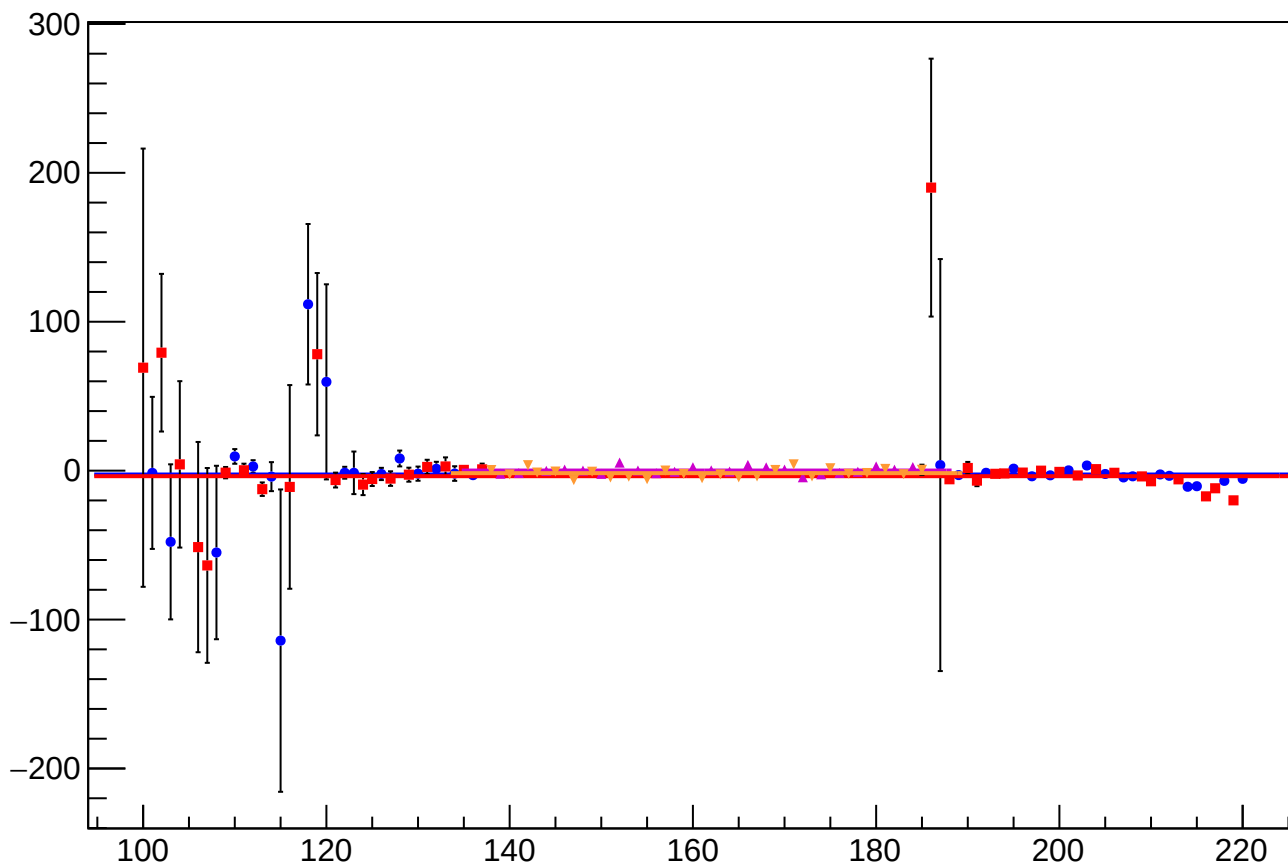
- sign -3.179 ± 0.394 χ^2/NDF : 177.3/59

diff_bpm1p02bY_rms vs Slug



Right In: 1652.763 ± 0.300 $\chi^2/\text{NDF}: 7156516.3/33$ + sign 2022.018 ± 0.266 $\chi^2/\text{NDF}: 15887811.5/58$
 Left Out: 3372.958 ± 0.573 $\chi^2/\text{NDF}: 1656864.7/24$ All: 2056.314 ± 0.192 $\chi^2/\text{NDF}: 31311038.6/1$
 Right Out: 1725.312 ± 0.315 $\chi^2/\text{NDF}: 7696120.8/36$ - sign 2094.087 ± 0.279 $\chi^2/\text{NDF}: 15388175.0/59$
 Left In: 3411.924 ± 0.596 $\chi^2/\text{NDF}: 1434523.7/22$

diff_bpm1p03aX_mean vs Slug



Right In: -2.590 ± 0.544 χ^2/NDF : 52.2/33

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

Right Out: -3.721 ± 0.567 χ^2/NDF : 92.3/36

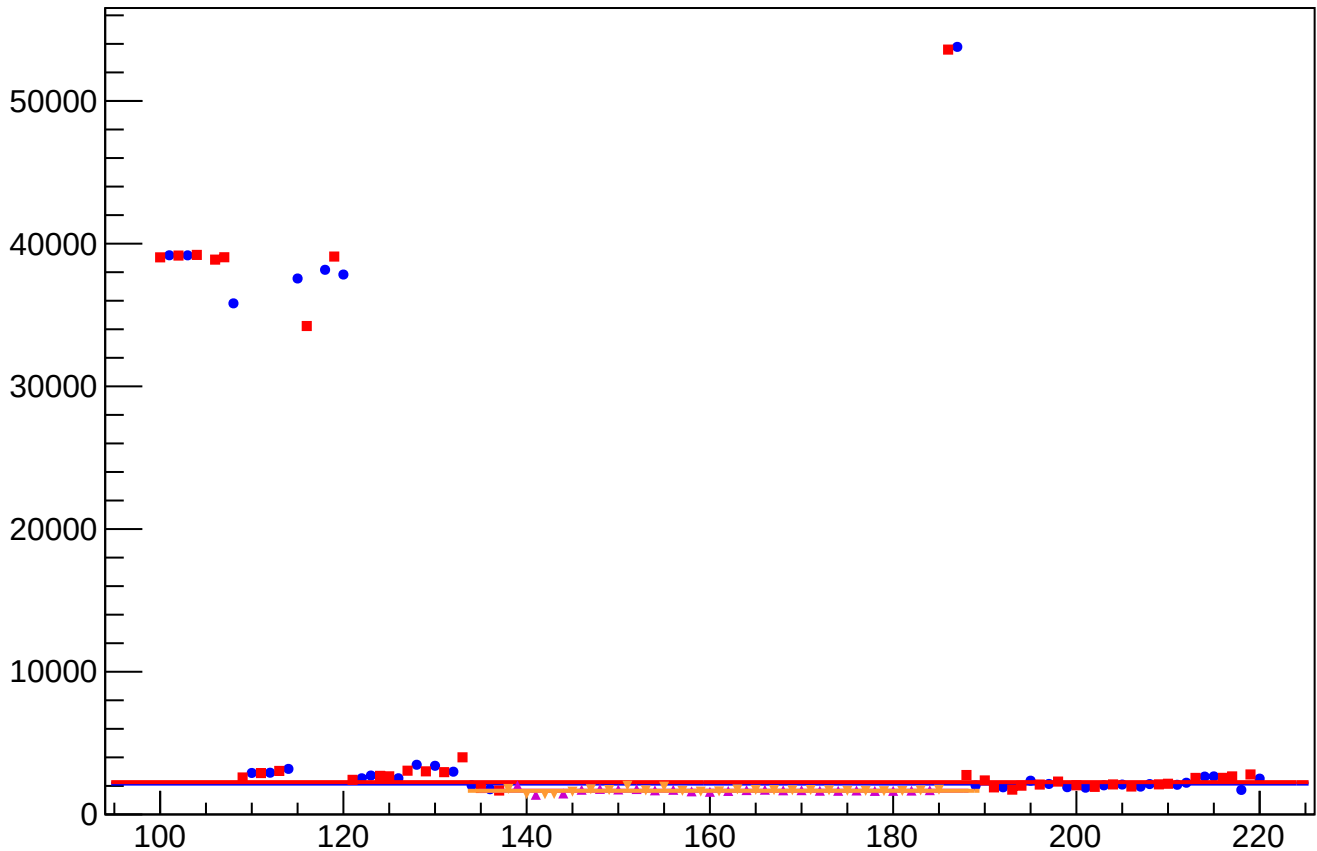
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.982 ± 0.316 χ^2/NDF : 99.7/58

All: -1.601 ± 0.227 χ^2/NDF : 253.0/118

- sign -1.192 ± 0.328 χ^2/NDF : 150.3/59

diff_bpm1p03aX_rms vs Slug



Right In: 2161.686 $\pm$ 0.385 χ^2 /NDF: 5688262.3/33

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

Right Out: 2265.082 $\pm$ 0.401 χ^2 /NDF: 6219201.2/36

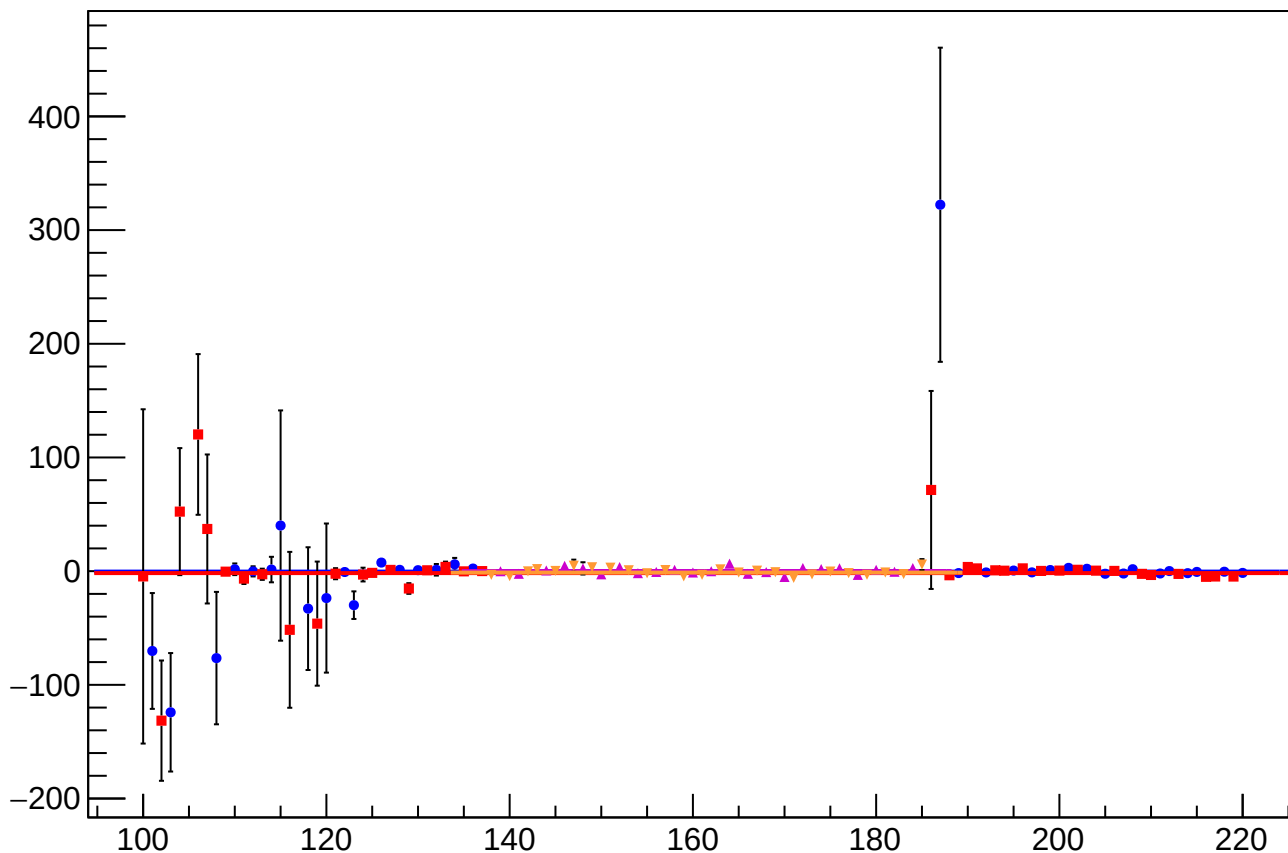
Left In: 1663.620 $\pm$ 0.284 χ^2 /NDF: 178858.2/22

+ sign 1827.818 $\pm$ 0.223 χ^2 /NDF: 7049689.8/58

All: 1845.248 $\pm$ 0.161 χ^2 /NDF: 14958904.8/1

- sign 1863.985 $\pm$ 0.232 χ^2 /NDF: 7896579.0/59

diff_bpm1p03aY_mean vs Slug



Right In: -0.389 ± 0.353 $\chi^2/\text{NDF}: 46.1/33$

Left Out: -1.251 ± 0.535 $\chi^2/\text{NDF}: 21.7/24$

Right Out: -1.705 ± 0.361 $\chi^2/\text{NDF}: 71.2/36$

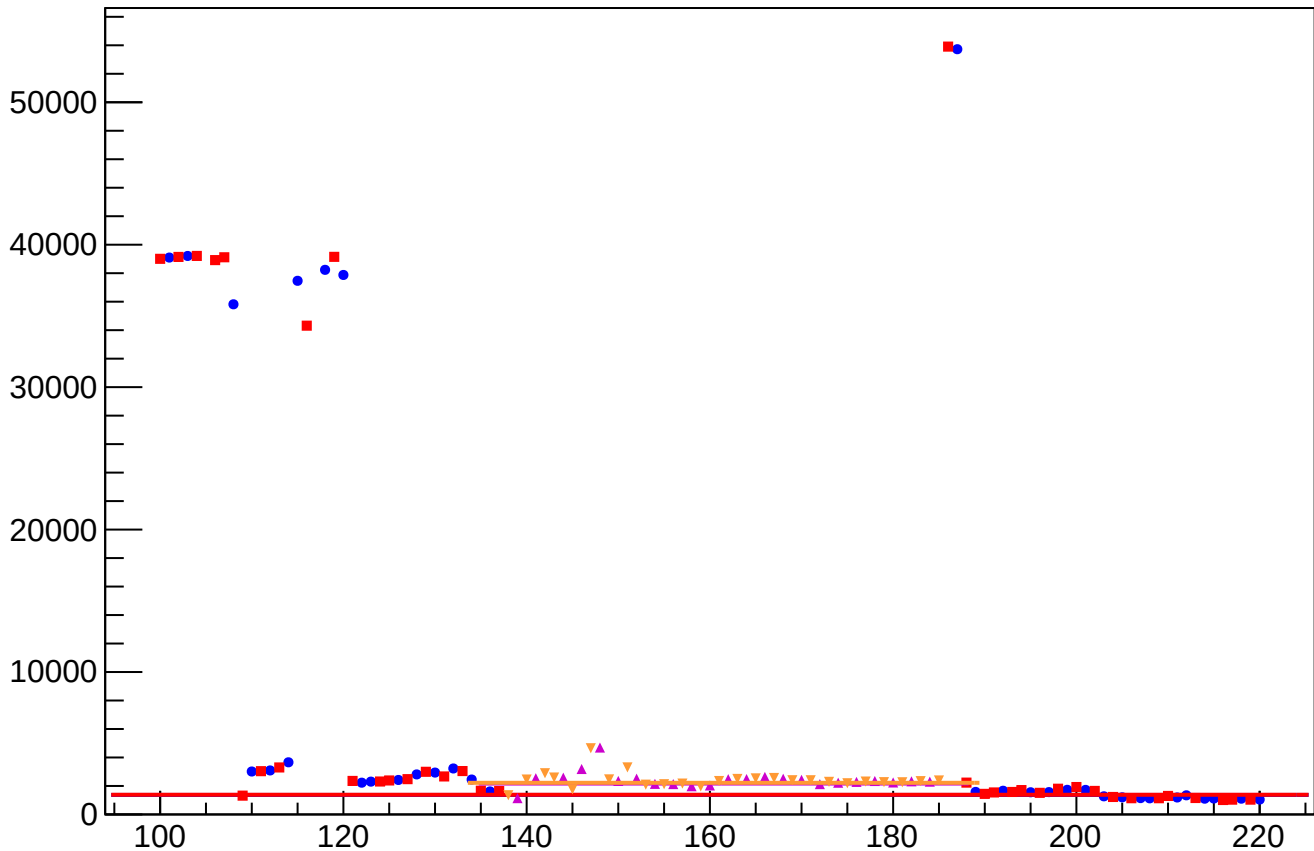
Left In: 0.098 ± 0.541 $\chi^2/\text{NDF}: 19.3/22$

+ sign -0.651 ± 0.295 $\chi^2/\text{NDF}: 69.7/58$

All: -0.896 ± 0.210 $\chi^2/\text{NDF}: 169.3/118$

- sign -1.149 ± 0.300 $\chi^2/\text{NDF}: 98.2/59$

diff_bpm1p03aY_rms vs Slug



Right In: 1368.783+/-0.250 χ^2/NDF : 7563986.0/33

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

Right Out: 1382.509+/-0.255 χ^2/NDF : 8360163.7/36

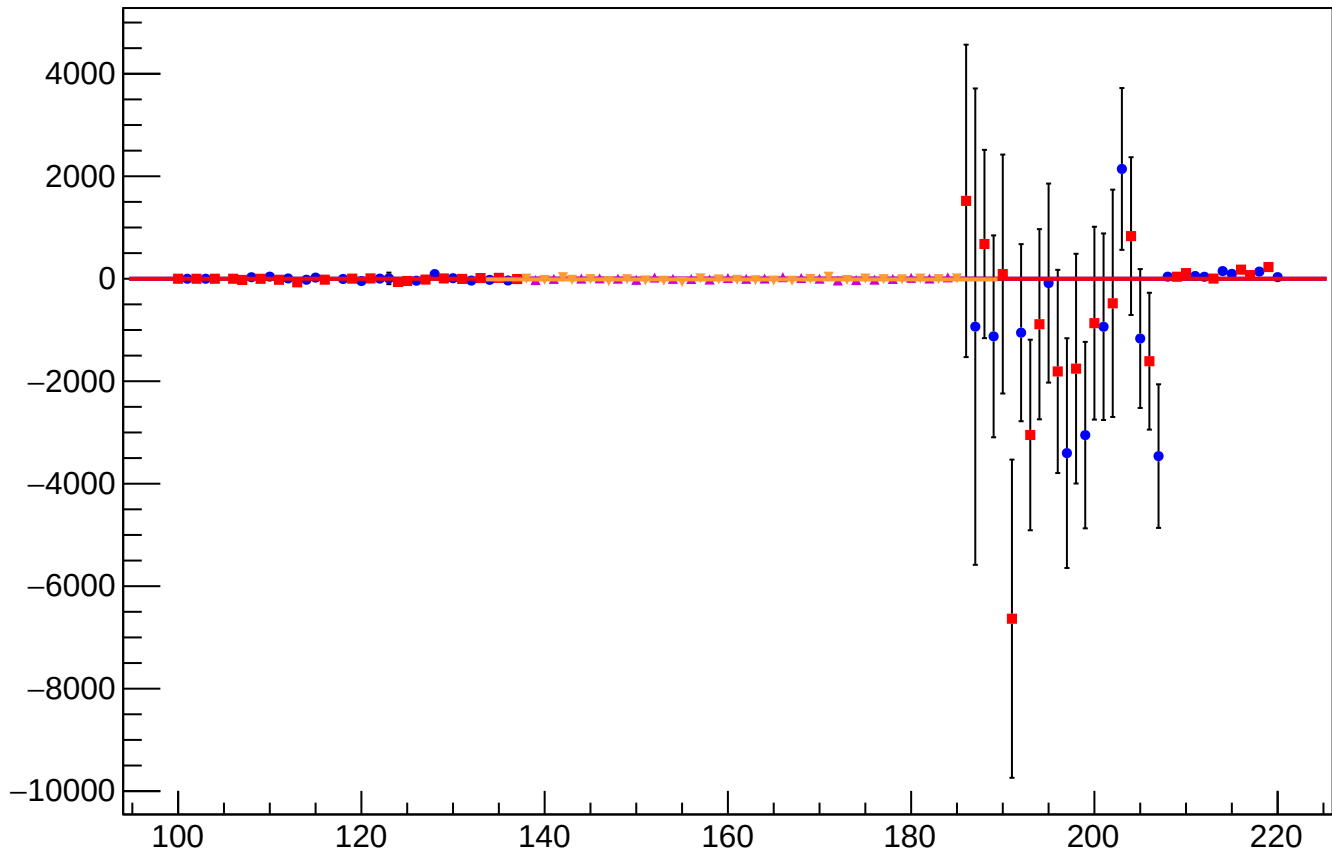
Left In: 2169.443+/-0.383 χ^2/NDF : 1974869.8/22

+ sign 1628.019+/-0.209 χ^2/NDF : 12527940.0/58

All: 1626.572+/-0.149 χ^2/NDF : 25788025.9/100

- sign 1625.070+/-0.212 χ^2/NDF : 13259987.8/59

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 57.7/33

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

Right Out: 0.003 ± 0.016 χ^2/NDF : 66.0/36

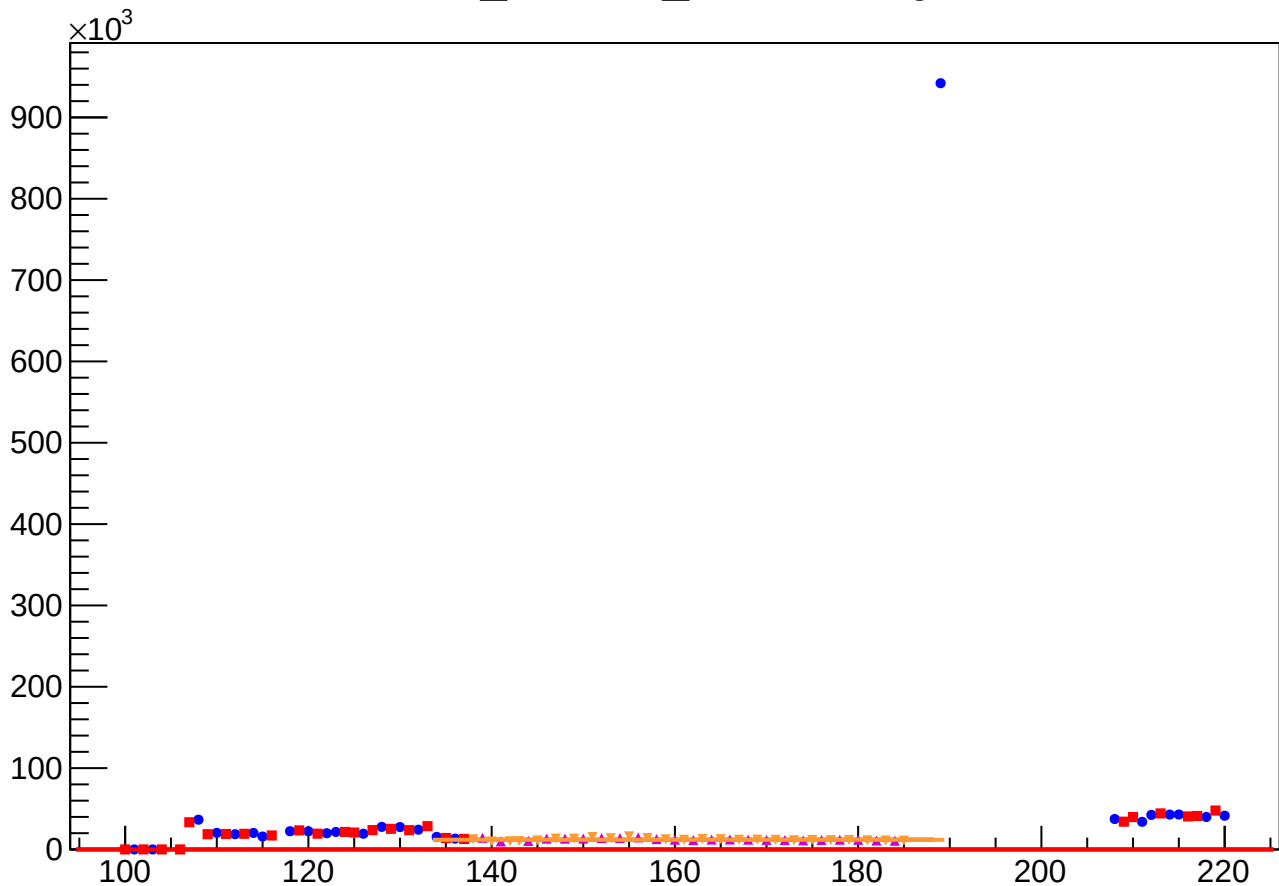
Left In: -0.459 ± 2.917 χ^2/NDF : 29.0/22

+ sign 0.013 ± 0.017 χ^2/NDF : 139.6/58

All: 0.008 ± 0.012 χ^2/NDF : 234.8/118

- sign 0.003 ± 0.016 χ^2/NDF : 95.0/59

diff_cav4bX_rms vs Slug



Right In: 18.680 $\pm$ 0.012 χ^2 /NDF: 21333115.8/24

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

Right Out: 18.339 $\pm$ 0.011 χ^2 /NDF: 19870002.7/24

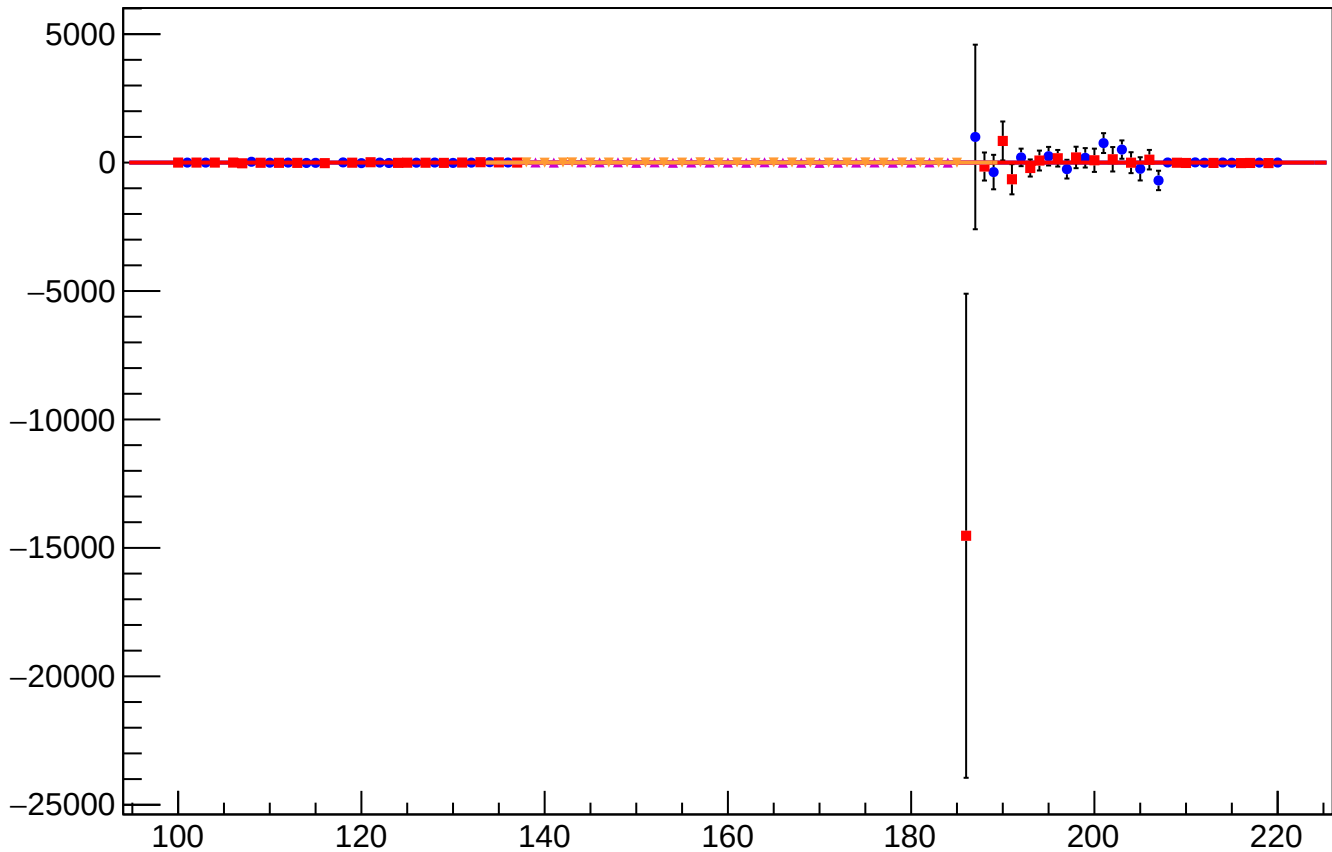
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

+ sign 19.135 $\pm$ 0.012 χ^2 /NDF: 57872532.5/49

All: 18.904 $\pm$ 0.008 χ^2 /NDF: 112227399.1/97

- sign 18.705 $\pm$ 0.011 χ^2 /NDF: 54354202.9/47

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 27.7/33

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 60.9/36

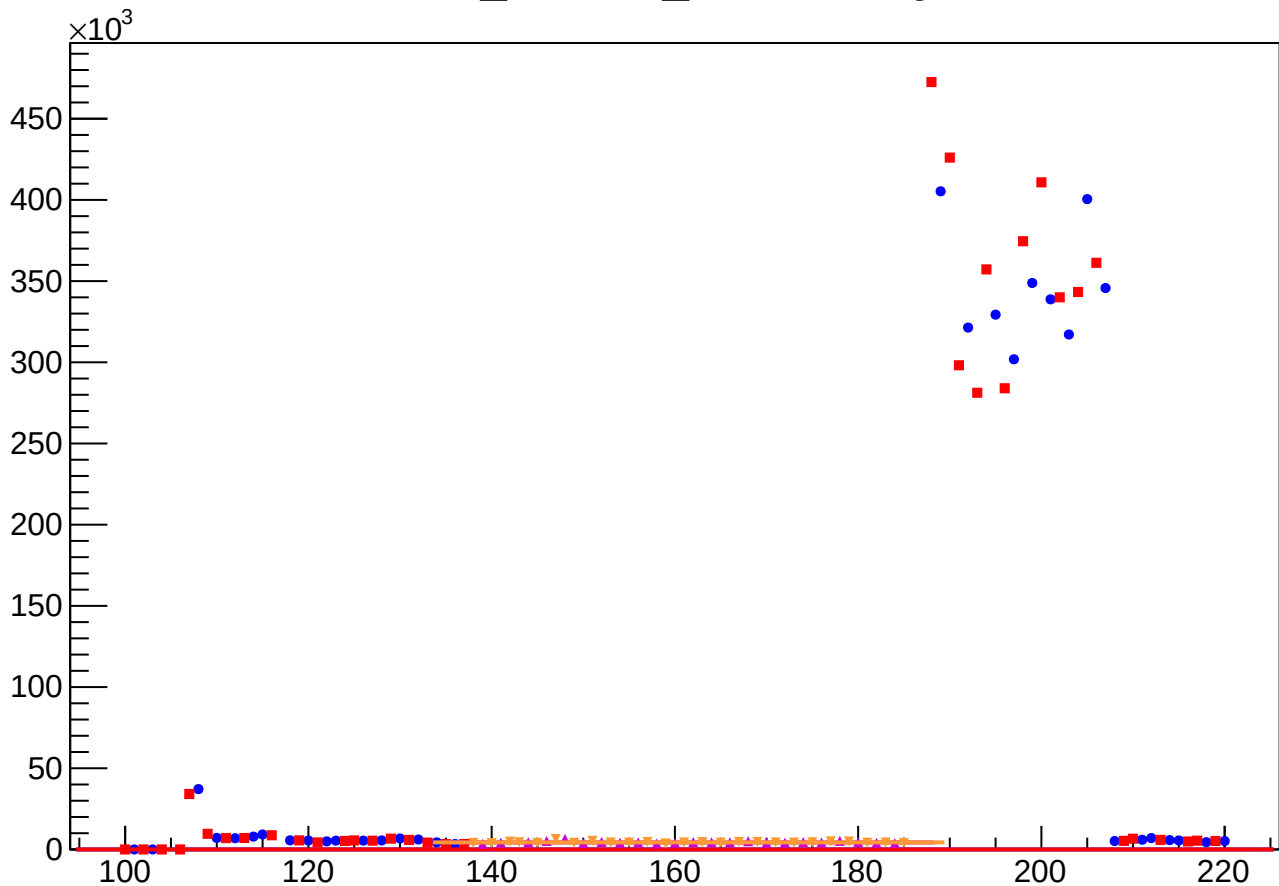
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 48.7/58

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 147.0/118

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 97.3/59

diff_cav4bY_rms vs Slug



Right In: 10.018 ± 0.007 χ^2/NDF : 34735717.7/32

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

Right Out: 9.915 ± 0.006 χ^2/NDF : 34640091.4/35

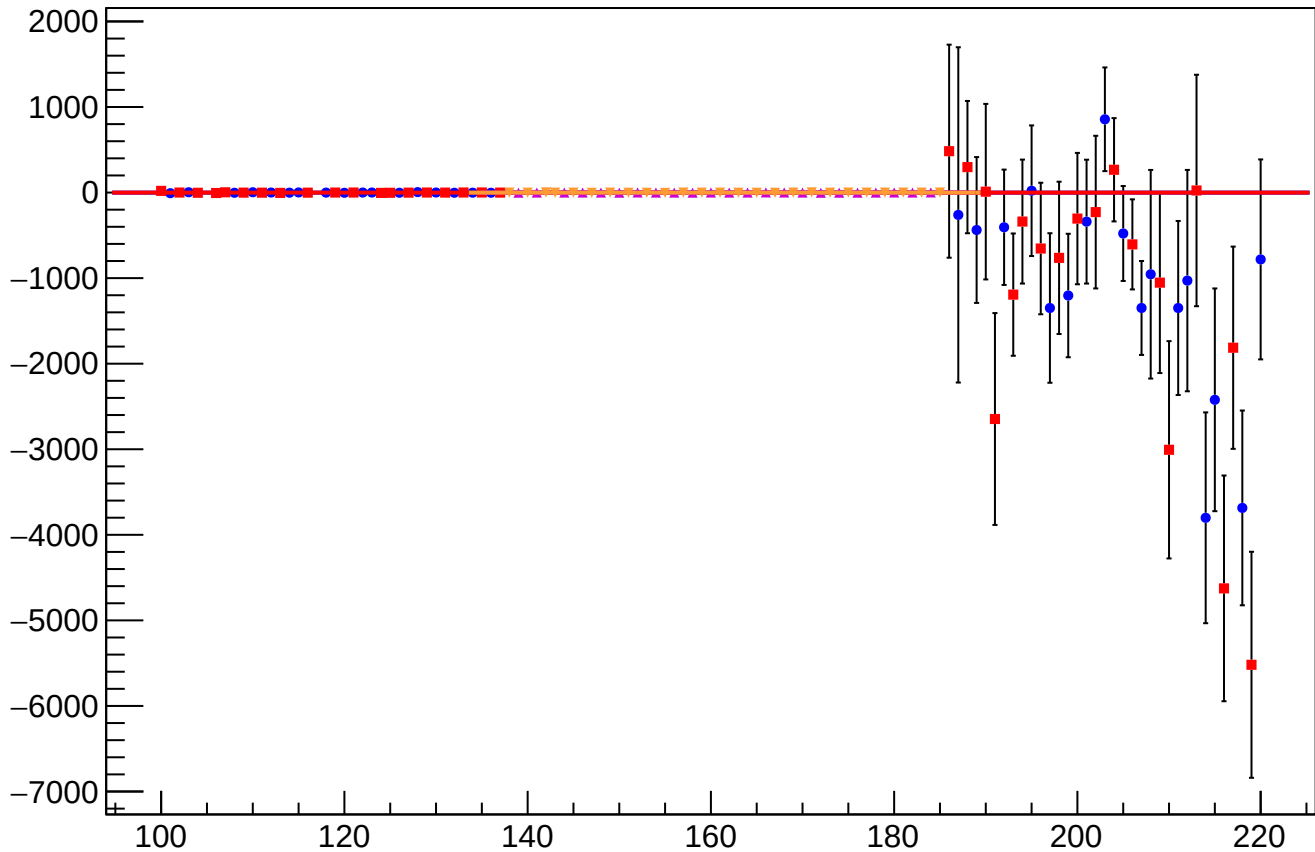
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.370 ± 0.007 χ^2/NDF : 71161823.8/57

All: 10.284 ± 0.004 χ^2/NDF : 140134662.5/1

- sign 10.209 ± 0.006 χ^2/NDF : 68972512.1/58

diff_cav4cX_mean vs Slug



Right In: -0.718 ± 0.483 χ^2/NDF : 64.4/33

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

Right Out: -0.642 ± 0.501 χ^2/NDF : 62.8/36

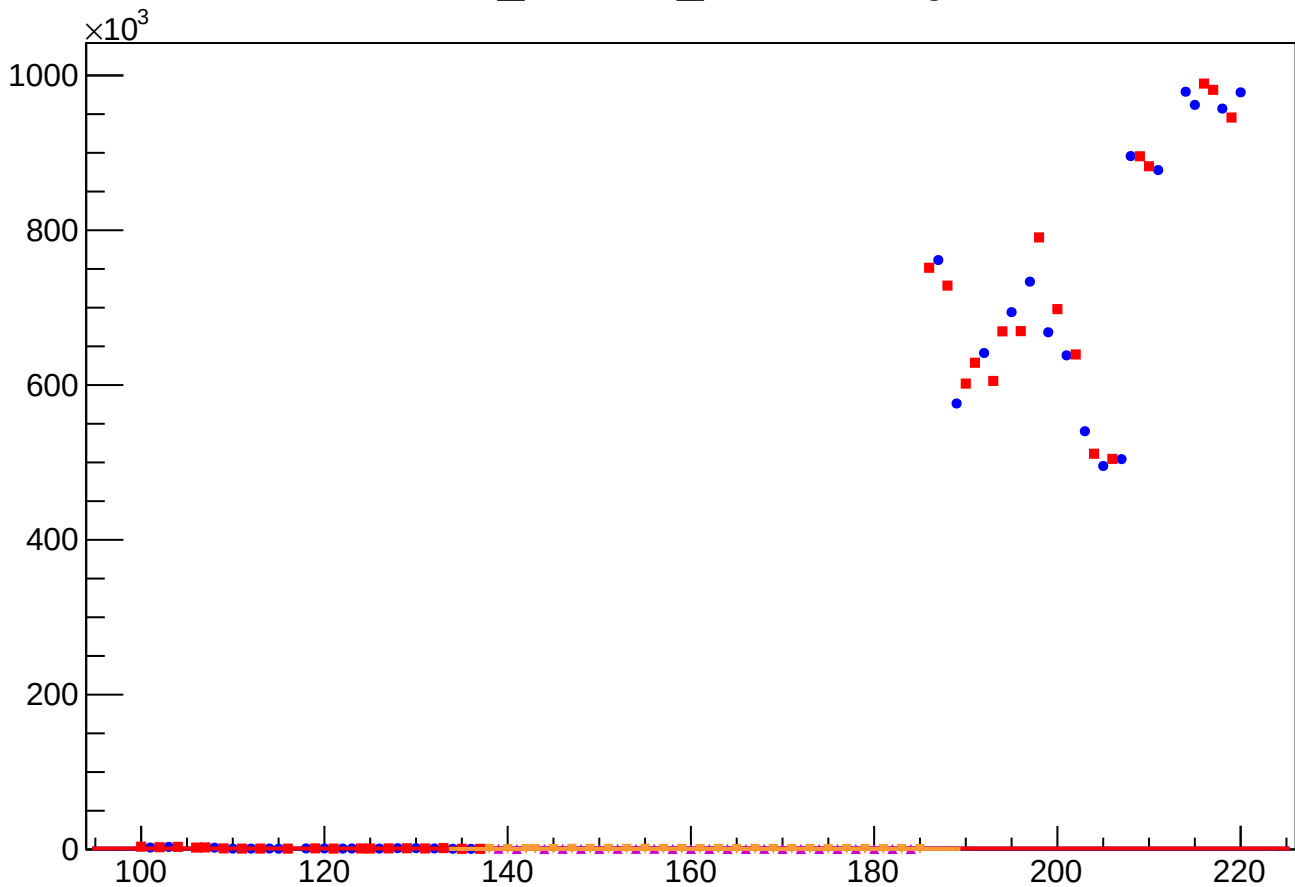
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 122.9/58

All: -0.439 ± 0.112 χ^2/NDF : 225.9/118

- sign -0.083 ± 0.162 χ^2/NDF : 93.6/59

diff_cav4cX_rms vs Slug



Right In: 1170.377+/-0.342 χ^2/NDF : 19717026.8/32

Left Out: 700.984+/-0.116 χ^2/NDF : 392855.4/24

Right Out: 1251.310+/-0.355 χ^2/NDF : 19395338.9/35

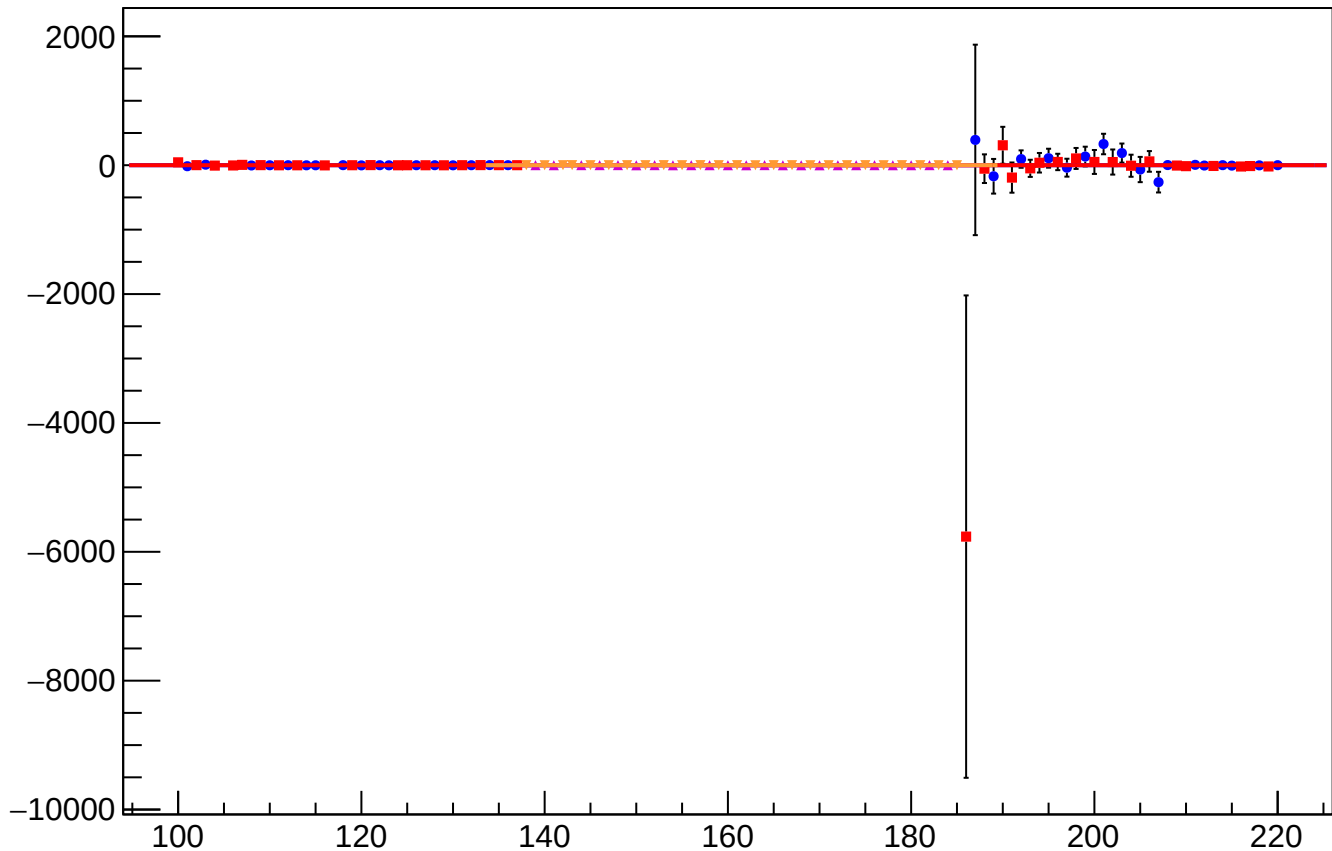
Left In: 706.971+/-0.121 χ^2/NDF : 332011.4/22

+ sign 749.790+/-0.110 χ^2/NDF : 21801526.1/57

All: 756.411+/-0.079 χ^2/NDF : 43647986.2/11

- sign 763.540+/-0.114 χ^2/NDF : 21838958.2/58

diff_cav4cY_mean vs Slug



Right In: -0.070 ± 0.266 χ^2/NDF : 33.8/33

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

Right Out: 0.059 ± 0.262 χ^2/NDF : 78.0/36

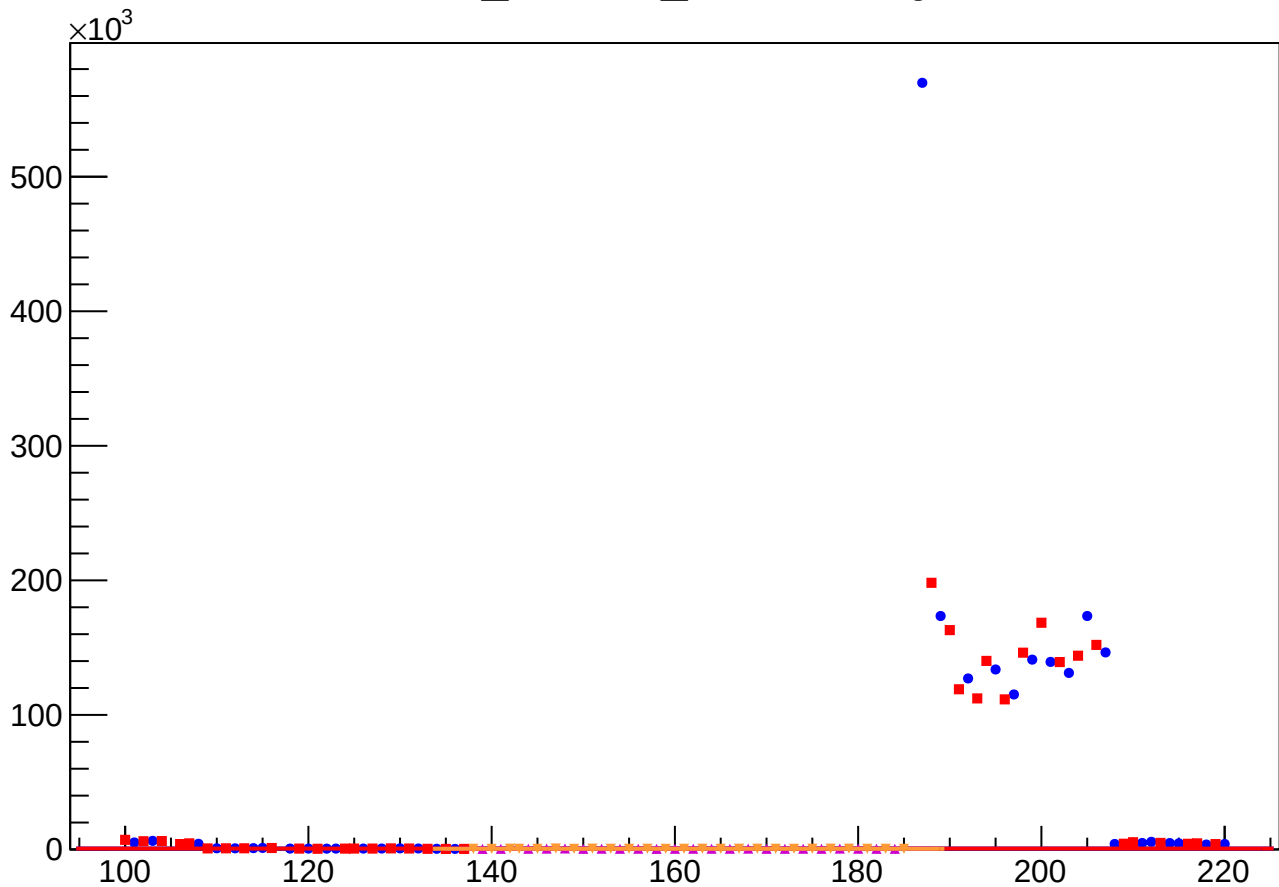
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.180 ± 0.111 χ^2/NDF : 52.9/58

All: 0.147 ± 0.080 χ^2/NDF : 166.0/118

- sign 0.113 ± 0.114 χ^2/NDF : 113.0/59

diff_cav4cY_rms vs Slug



Right In: 682.545 ± 0.188 χ^2/NDF : 24380608.3/33

Left Out: 522.220 ± 0.087 χ^2/NDF : 330405.3/24

Right Out: 660.662 ± 0.186 χ^2/NDF : 24822247.2/35

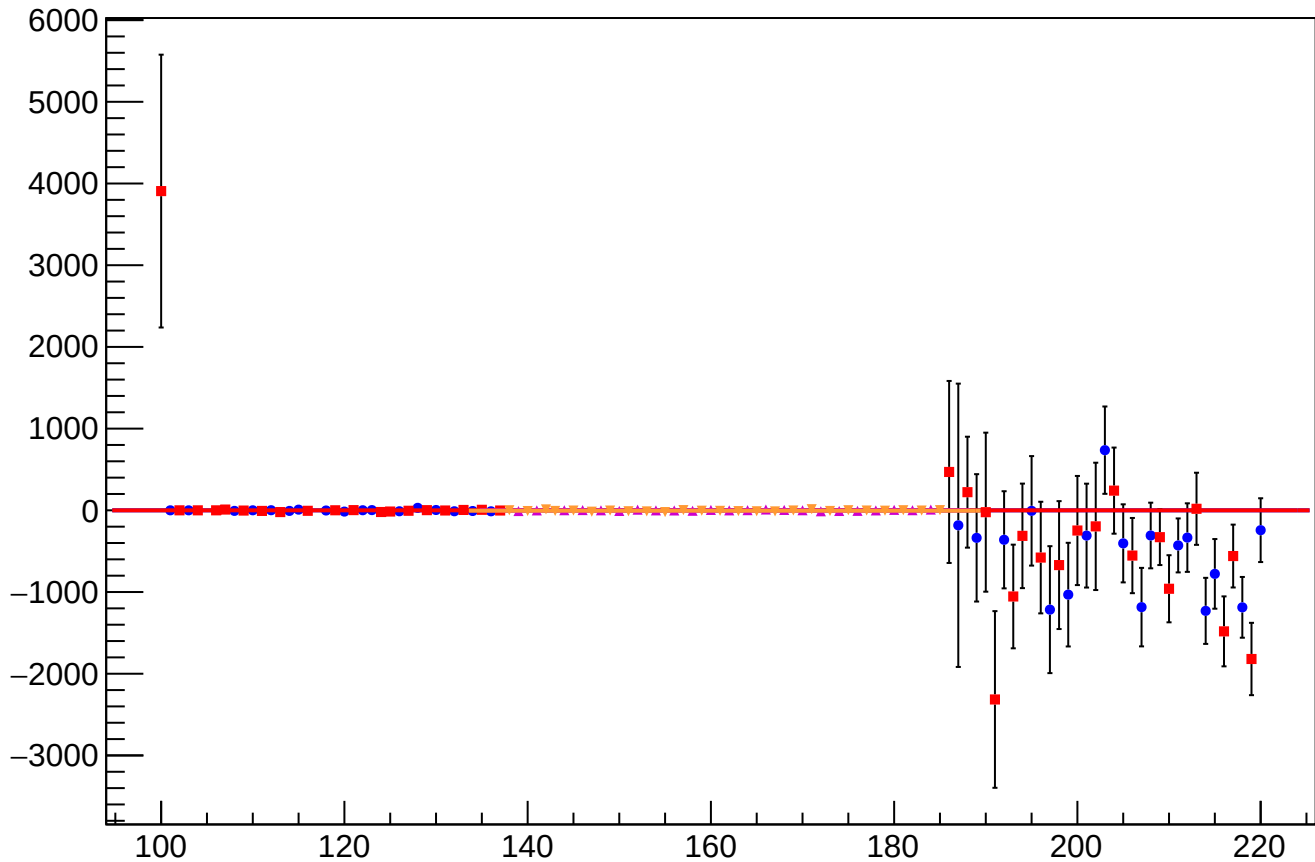
Left In: 520.700 ± 0.089 χ^2/NDF : 427720.5/22

+ sign 550.229 ± 0.079 χ^2/NDF : 25308482.9/58

All: 548.634 ± 0.056 χ^2/NDF : 51021461.1/11

- sign 546.972 ± 0.080 χ^2/NDF : 25712140.9/58

diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 56.7/33

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

Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 66.0/36

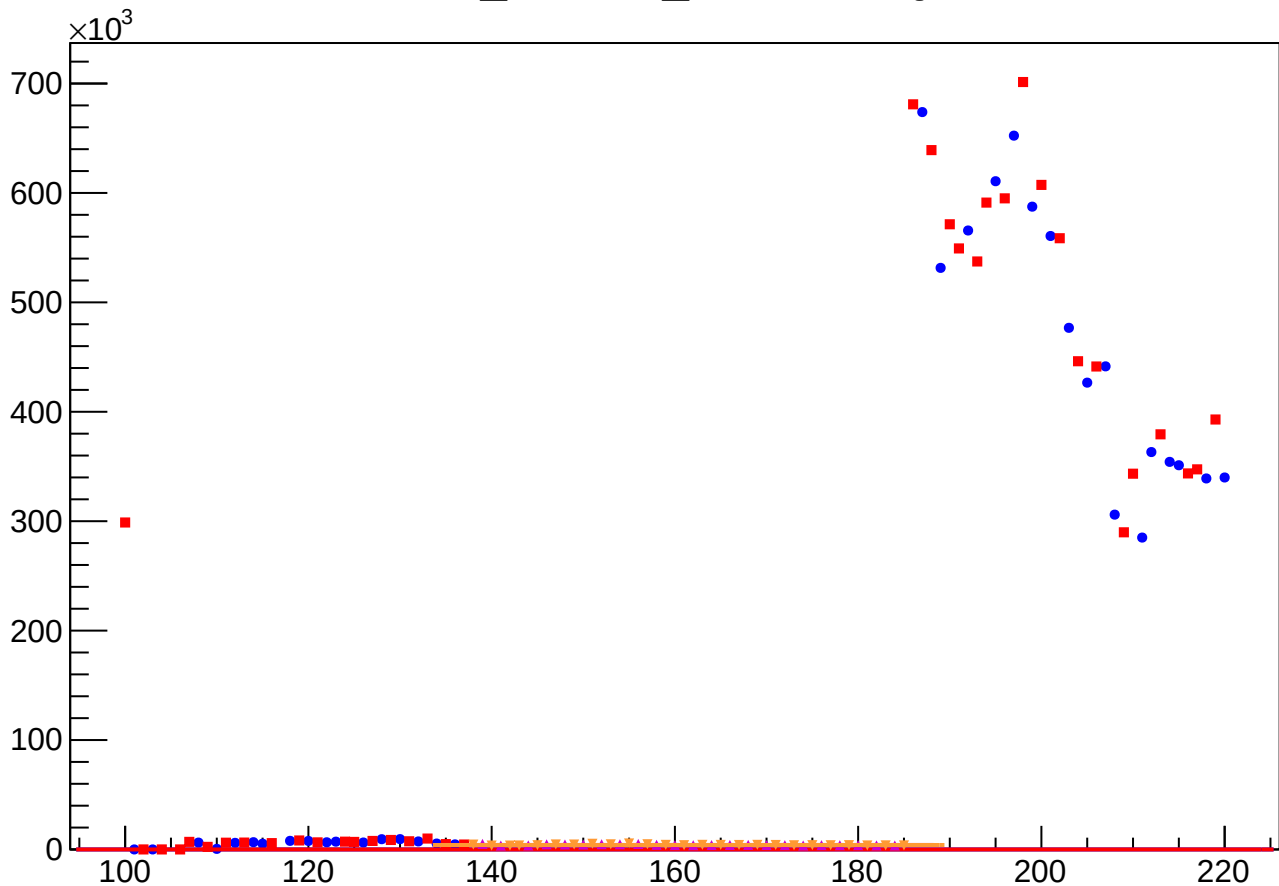
Left In: -0.183 $\pm$ 0.994 χ^2 /NDF: 29.5/22

+ sign -0.024 $\pm$ 0.021 χ^2 /NDF: 136.8/58

All: -0.025 $\pm$ 0.014 χ^2 /NDF: 232.3/118

- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 95.5/59

diff_cav4dX_rms vs Slug



Right In: 17.352+/-0.015 χ^2/NDF : 34935875.0/33

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

Right Out: 17.278+/-0.014 χ^2/NDF : 35504248.8/36

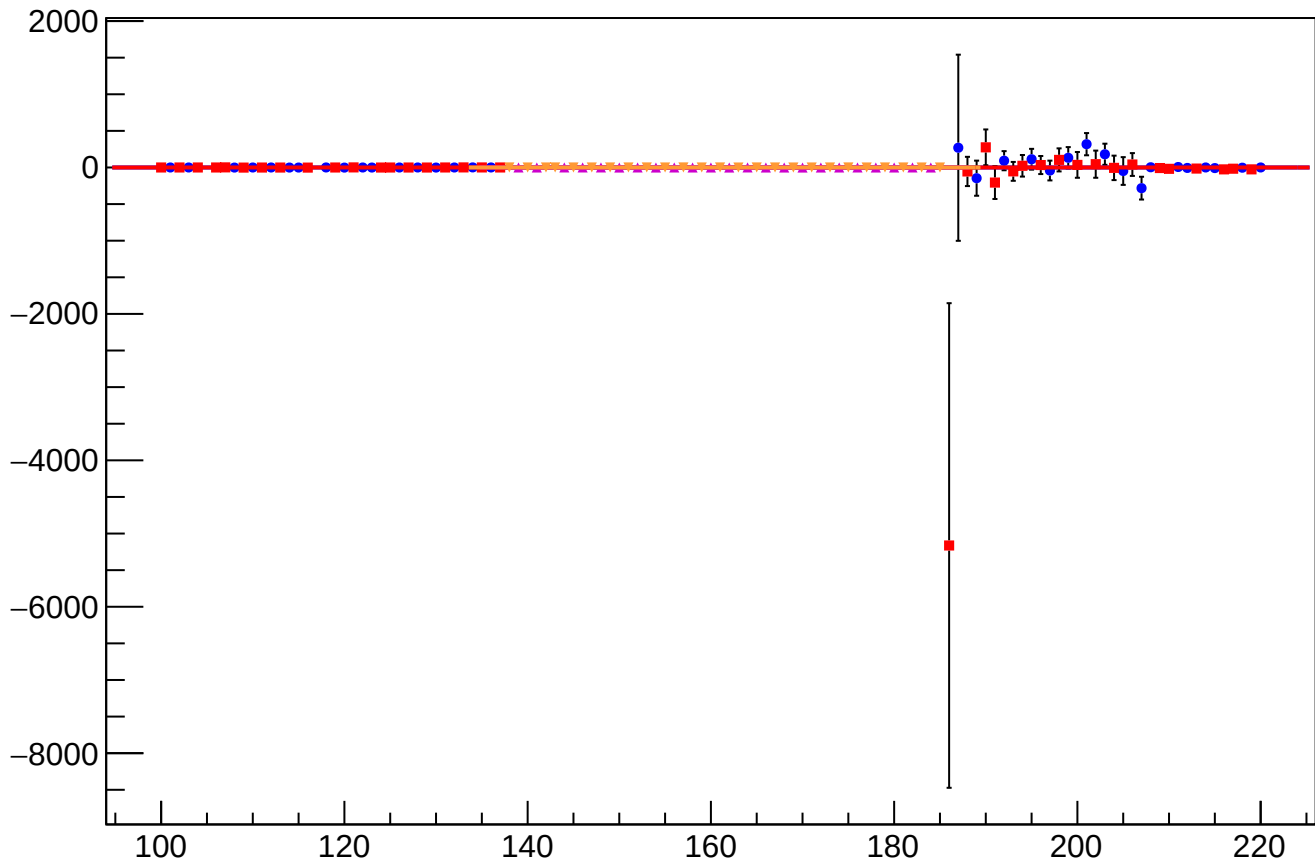
Left In: 4113.993+/-0.703 χ^2/NDF : 349160.6/22

+ sign 19.266+/-0.015 χ^2/NDF : 71285823.3/58

All: 19.073+/-0.010 χ^2/NDF : 141095369.9/11

- sign 18.899+/-0.014 χ^2/NDF : 69809218.8/59

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 29.0/33

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 80.1/36

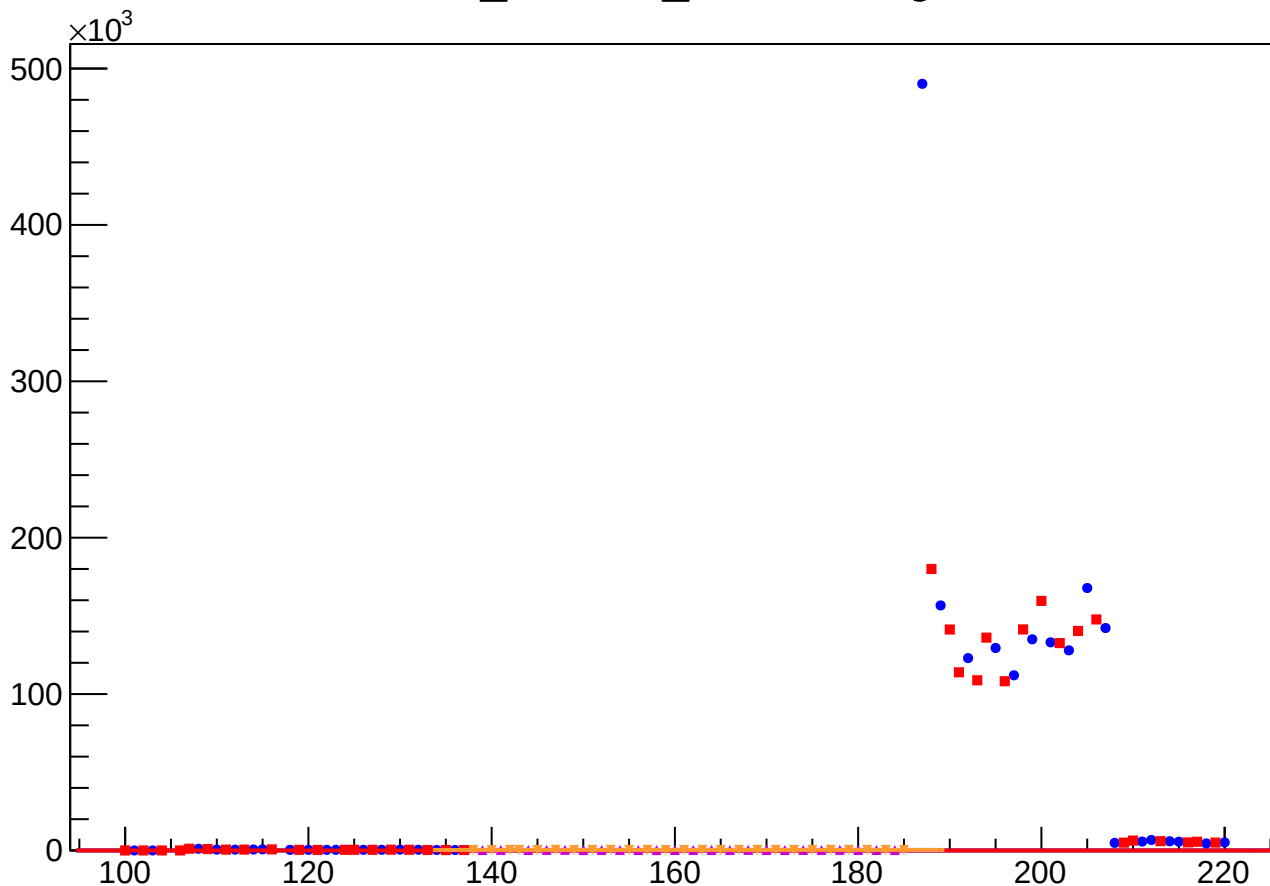
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF:34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 50.0/58

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 165.8/118

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 115.7/59

diff_cav4dY_rms vs Slug



Right In: 1.703 $\pm$ 0.001 χ^2 /NDF: 35135289.9/33

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

Right Out: 1.731 $\pm$ 0.001 χ^2 /NDF: 34441973.2/35

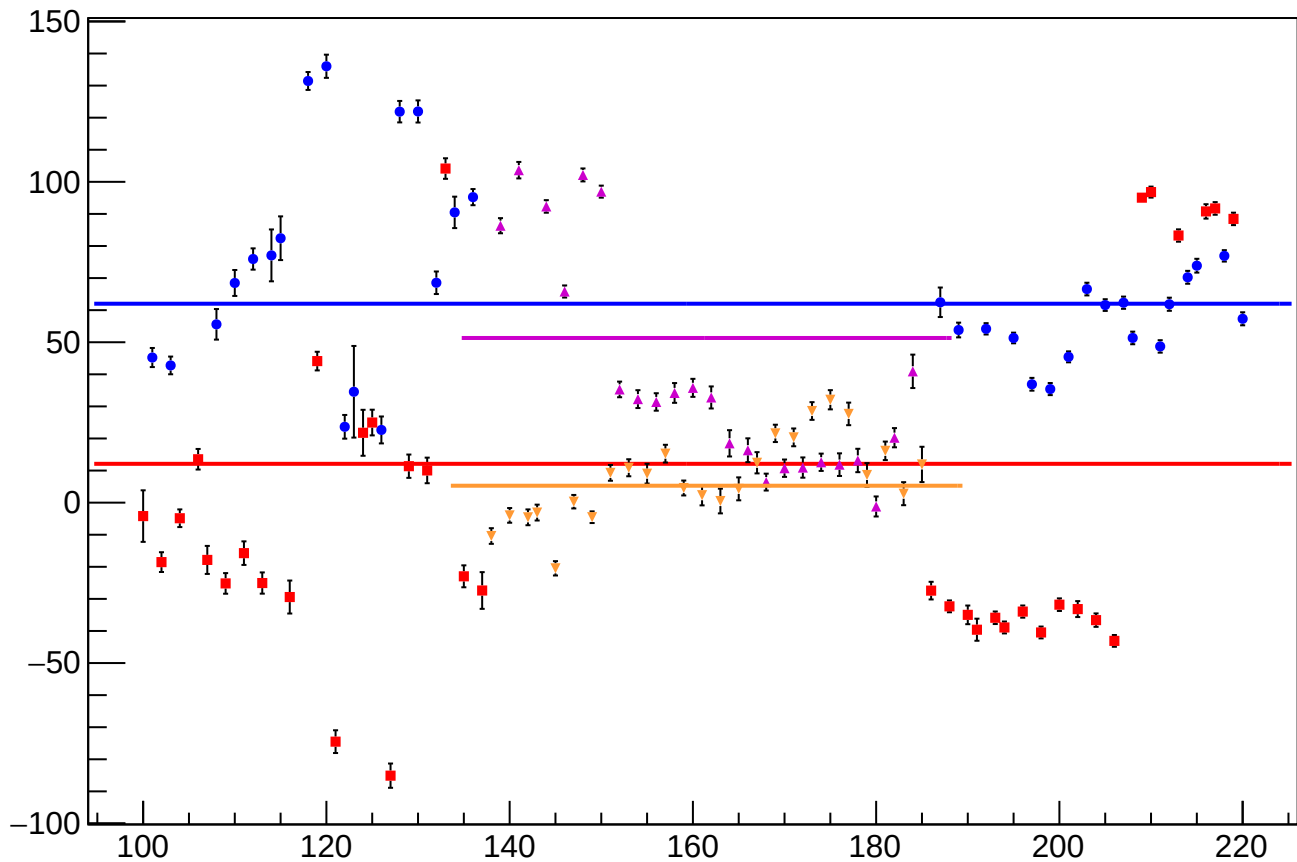
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF:413350.0/22

+ sign 1.930 $\pm$ 0.001 χ^2 /NDF: 71346301.2/58

All: 1.929 $\pm$ 0.001 χ^2 /NDF: 139925535.7/117

- sign 1.927 $\pm$ 0.001 χ^2 /NDF: 68579232.0/58

diff_bpm0i01X_mean vs Slug



Right In: 62.008 $\pm$ 0.420 χ^2 /NDF: 2914.3/33

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

Right Out: 12.102 $\pm$ 0.408 χ^2 /NDF: 21415.0/36

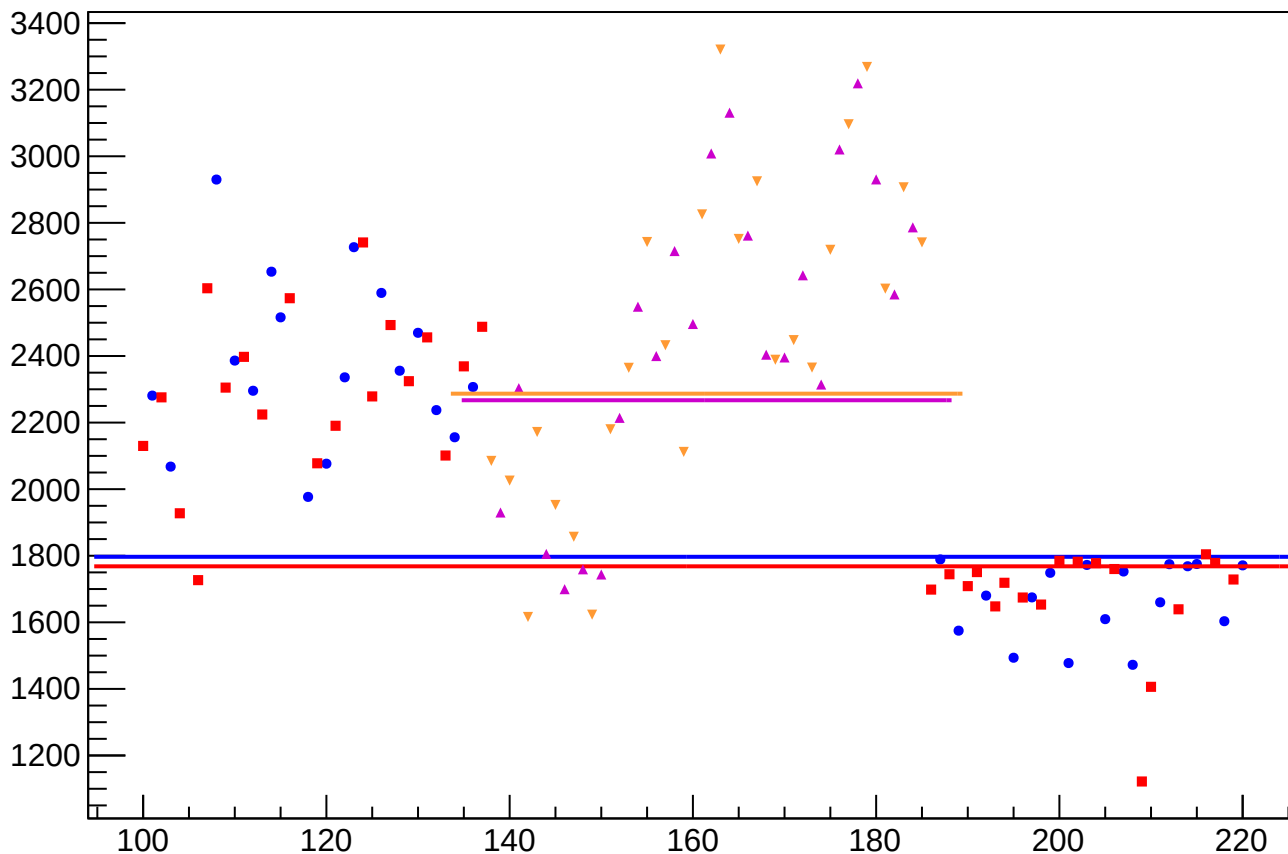
Left In: 51.328 $\pm$ 0.558 χ^2 /NDF: 4257.8/22

+ sign 40.842 $\pm$ 0.332 χ^2 /NDF: 10284.2/58

All: 33.232 $\pm$ 0.234 χ^2 /NDF: 40213.4/118

- sign 25.757 $\pm$ 0.329 χ^2 /NDF: 28890.2/59

diff_bpm0i01X_rms vs Slug



Right In: 1796.841 $\pm$ 0.297 χ^2 /NDF: 1000164.1/33

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

Right Out: 1768.202 $\pm$ 0.289 χ^2 /NDF: 1358616.3/36

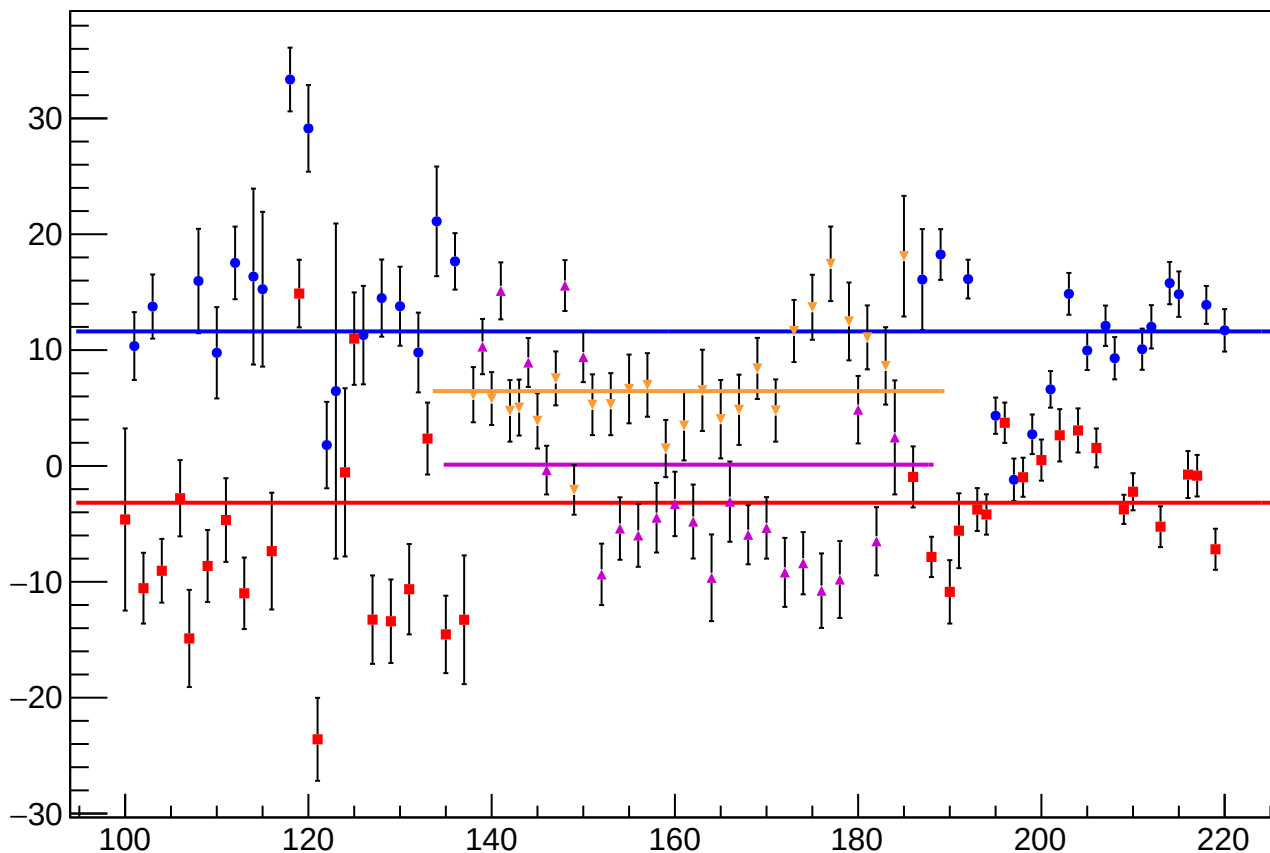
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 1979.667 $\pm$ 0.235 χ^2 /NDF: 3377376.8/58

All: 1960.601 $\pm$ 0.165 χ^2 /NDF: 7103293.8/11

- sign 1941.872 $\pm$ 0.233 χ^2 /NDF: 3712872.4/59

diff_bpm0i01Y_mean vs Slug



Right In: 11.612 ± 0.392 χ^2/NDF : 251.1/33

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

Right Out: -3.173 ± 0.383 χ^2/NDF : 223.1/36

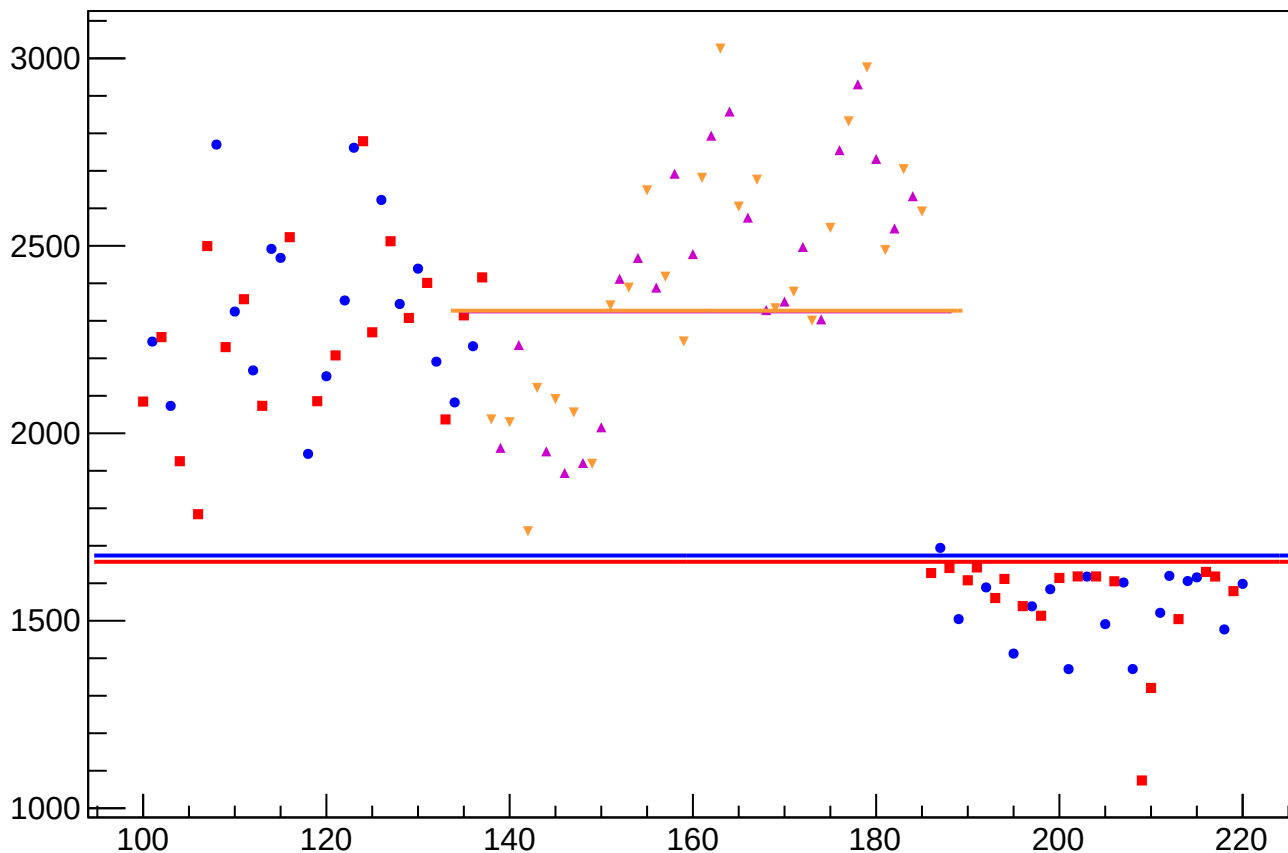
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 9.865 ± 0.319 χ^2/NDF : 368.4/58

All: 3.833 ± 0.225 χ^2/NDF : 1561.8/118

- sign -2.139 ± 0.317 χ^2/NDF : 480.8/59

diff_bpm0i01Y_rms vs Slug



Right In: 1673.974 $\pm$ 0.277 χ^2 /NDF: 1268739.5/33

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

Right Out: 1657.283 $\pm$ 0.271 χ^2 /NDF: 1563136.8/36

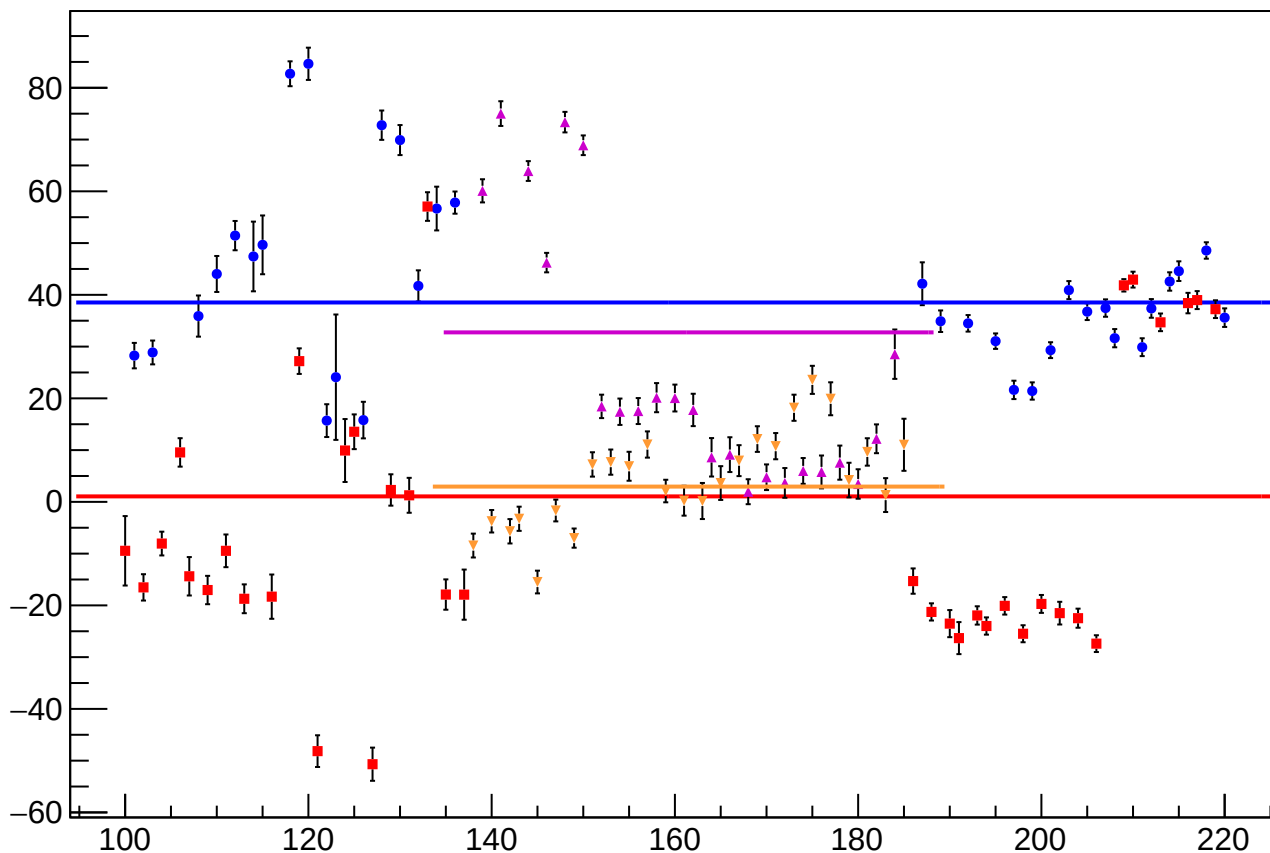
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 1895.346 $\pm$ 0.225 χ^2 /NDF: 3796092.7/58

All: 1881.423 $\pm$ 0.159 χ^2 /NDF: 7891021.0/11

- sign 1867.642 $\pm$ 0.224 χ^2 /NDF: 4087337.7/59

diff_bpm0i01aX_mean vs Slug



Right In: 38.523 ± 0.369 χ^2/NDF : 1449.3/33

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

Right Out: 1.058 ± 0.359 χ^2/NDF : 6829.4/36

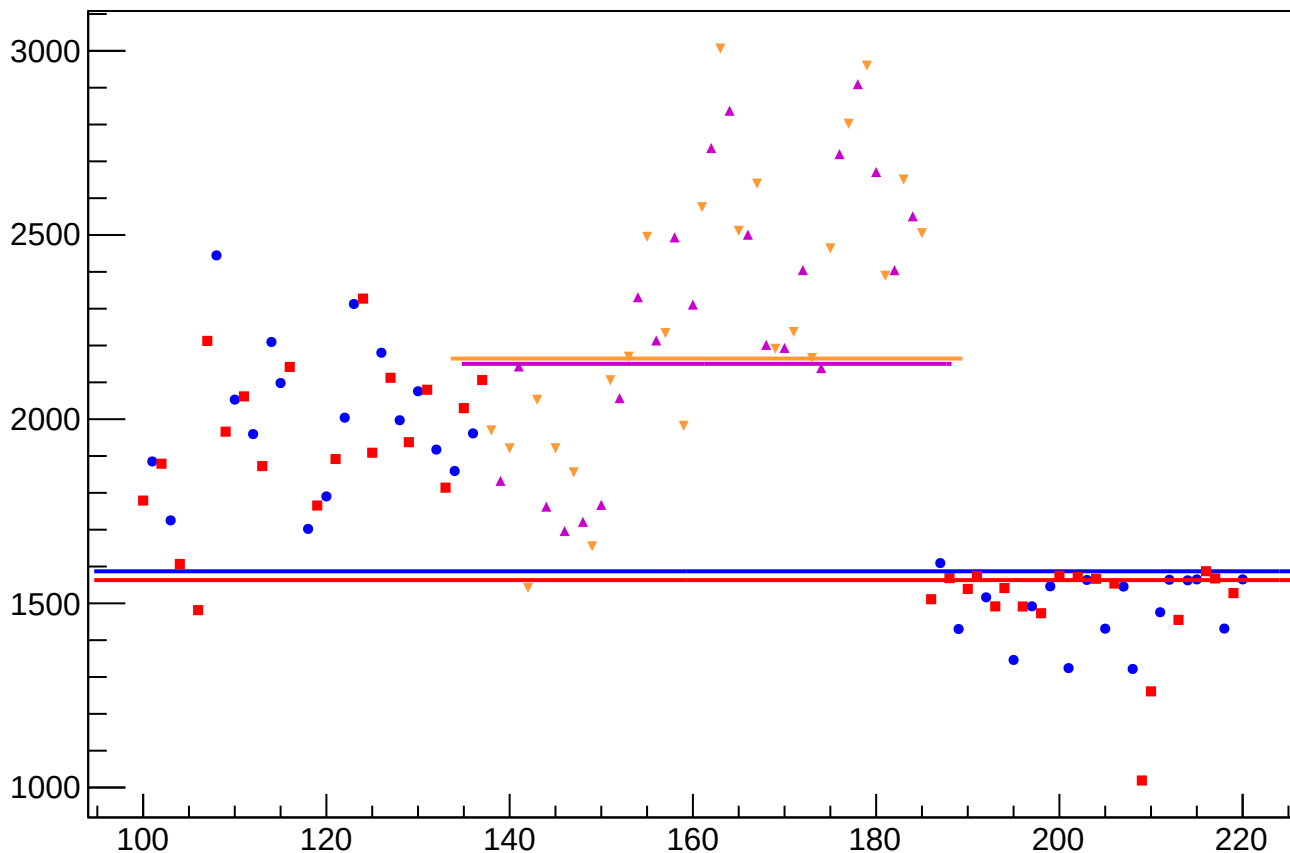
Left In: 32.745 ± 0.526 χ^2/NDF : 2632.5/22

+ sign 26.347 ± 0.300 χ^2/NDF : 4962.6/58

All: 18.668 ± 0.211 χ^2/NDF : 18200.9/118

- sign 11.133 ± 0.297 χ^2/NDF : 11935.9/59

diff_bpm0i01aX_rms vs Slug



Right In: 1587.033 ± 0.261 χ^2/NDF : 764484.0/33

Left Out: 2164.573 ± 0.362 χ^2/NDF : 965603.5/24

Right Out: 1563.073 ± 0.254 χ^2/NDF : 1081993.7/36

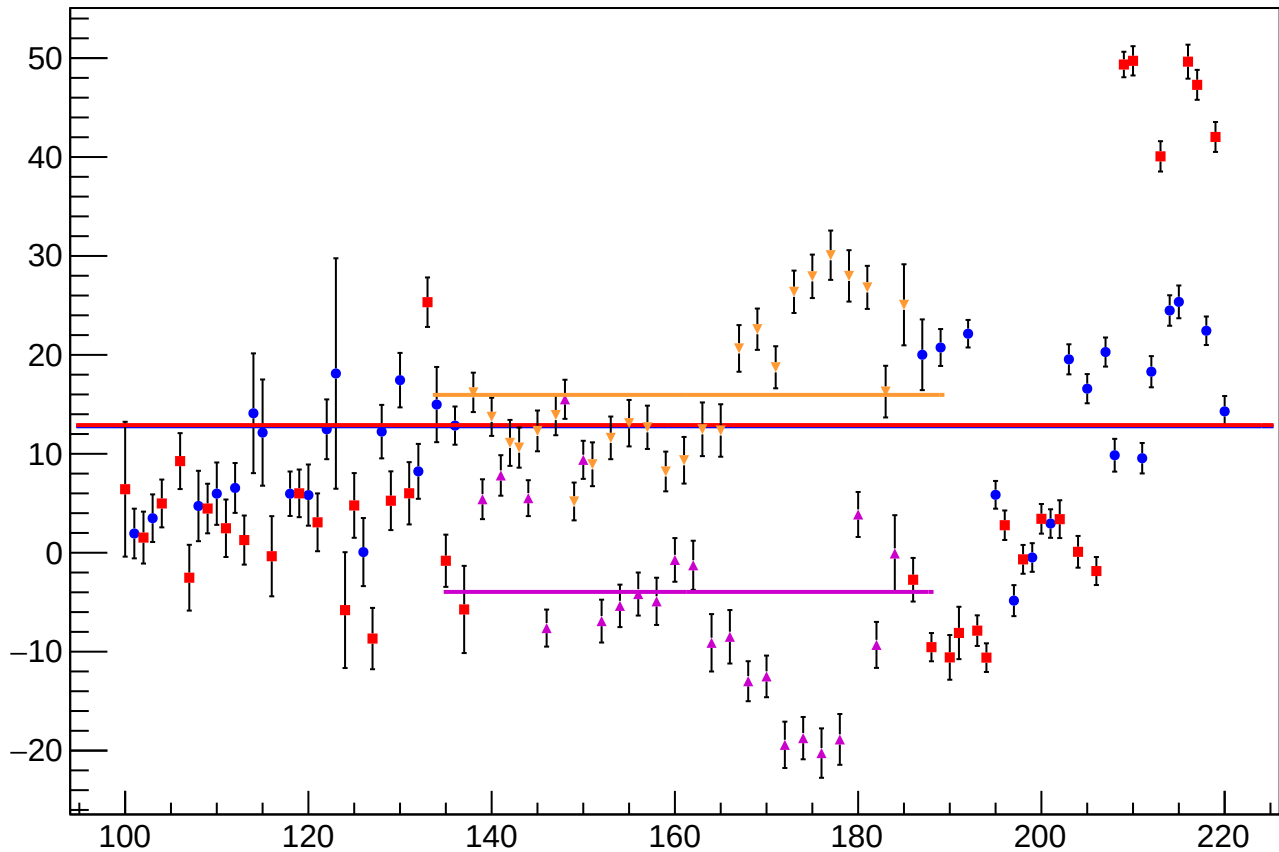
Left In: 2150.190 ± 0.372 χ^2/NDF : 911849.7/22

+ sign 1784.724 ± 0.212 χ^2/NDF : 3404298.6/58

All: 1767.074 ± 0.149 χ^2/NDF : 7110591.8/11

- sign 1749.756 ± 0.210 χ^2/NDF : 3692532.2/59

diff_bpm0i01aY_mean vs Slug



Right In: 12.781 ± 0.334 $\chi^2/\text{NDF}: 665.5/33$

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

Right Out: 12.903 ± 0.328 $\chi^2/\text{NDF}: 4636.0/36$

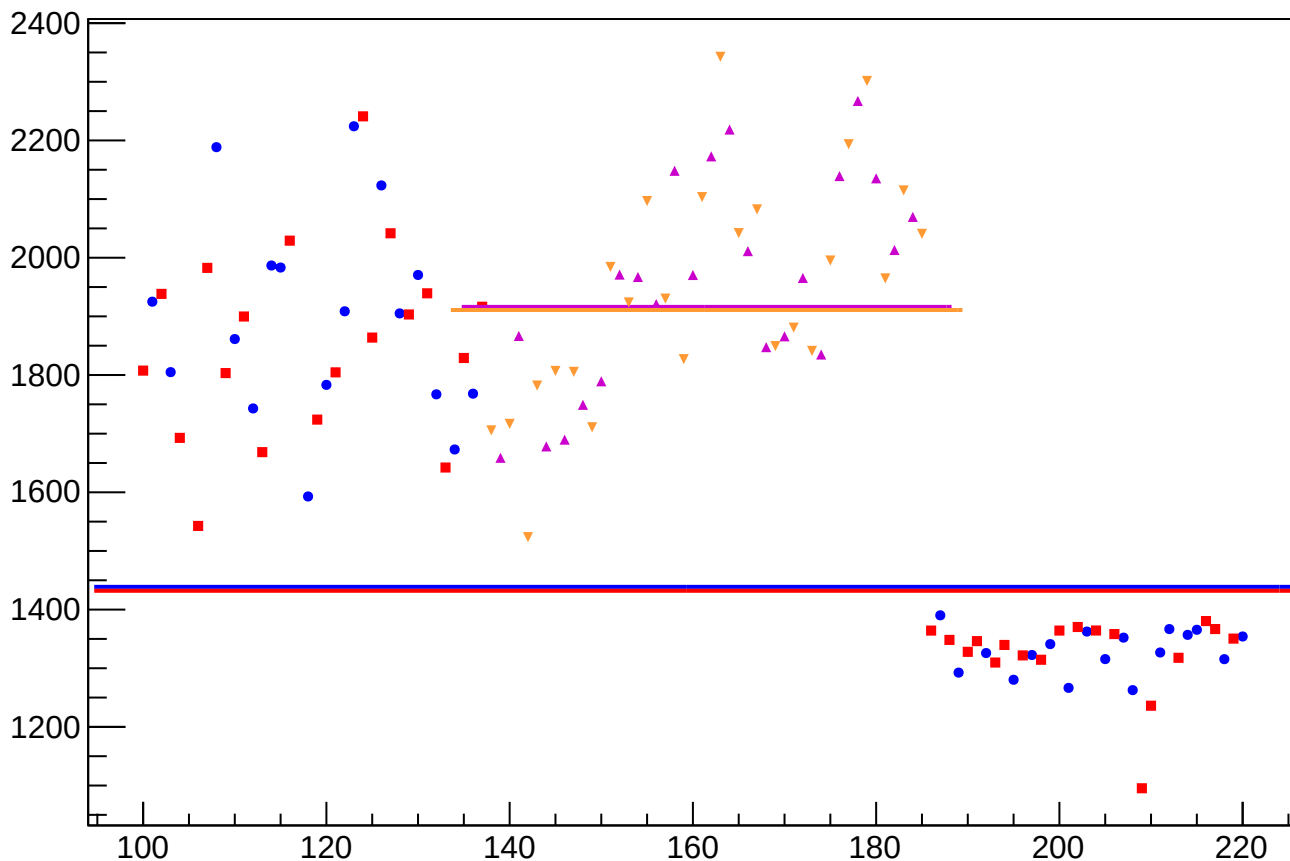
Left In: -3.960 ± 0.463 $\chi^2/\text{NDF}: 464.9/22$

+ sign 13.919 ± 0.268 $\chi^2/\text{NDF}: 943.0/58$

All: 10.589 ± 0.189 $\chi^2/\text{NDF}: 7236.4/118$

- sign 7.265 ± 0.268 $\chi^2/\text{NDF}: 5984.6/59$

diff_bpm0i01aY_rms vs Slug



Right In: 1438.789 $\pm$ 0.236 χ^2 /NDF: 904121.4/33

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

Right Out: 1432.077 $\pm$ 0.232 χ^2 /NDF: 986041.3/36

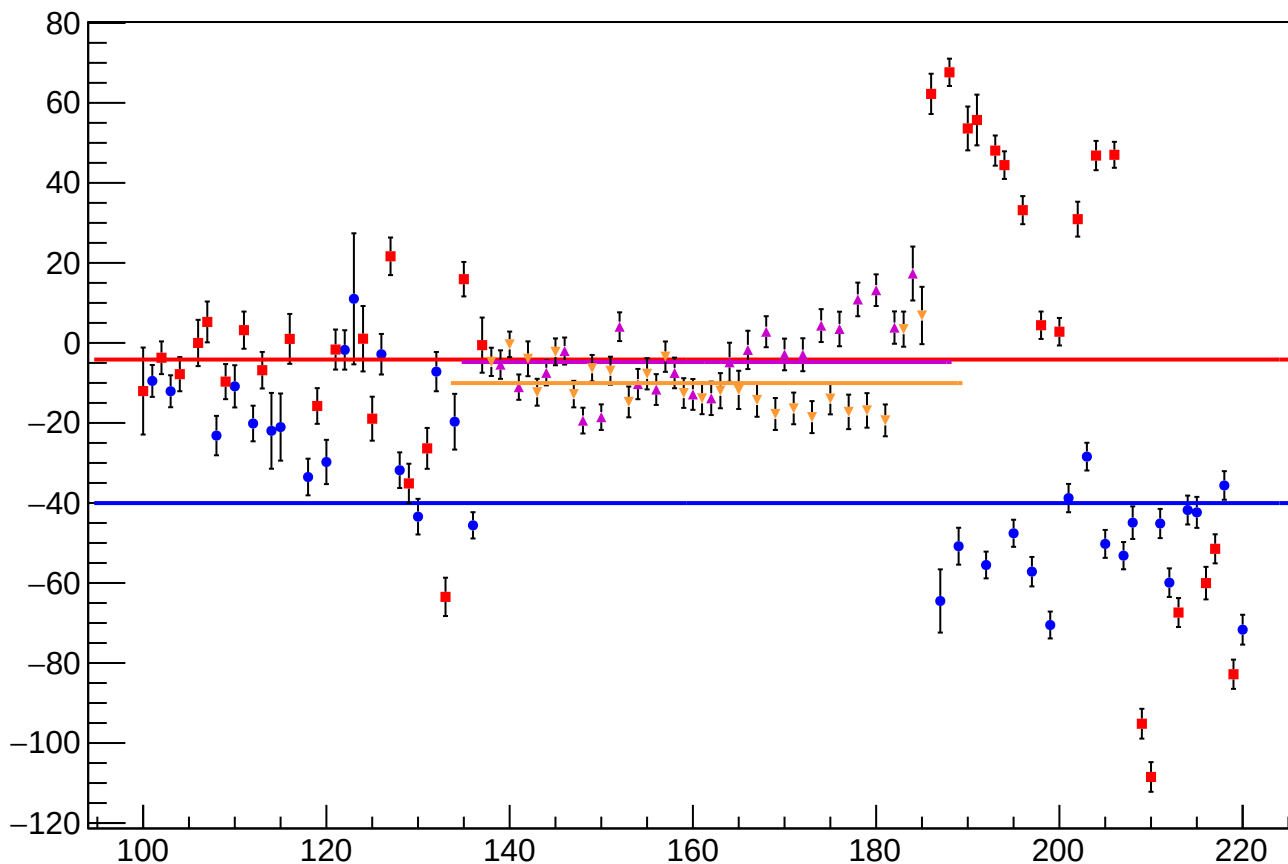
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF:274285.3/22

+ sign 1607.929 $\pm$ 0.189 χ^2 /NDF: 2661904.8/58

All: 1600.921 $\pm$ 0.134 χ^2 /NDF: 5381380.3/11

- sign 1593.923 $\pm$ 0.189 χ^2 /NDF: 2716738.7/59

diff_bpm0l01X_mean vs Slug



Right In: -40.033 ± 0.718 χ^2/NDF : 657.0/33

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

Right Out: -4.155 ± 0.709 χ^2/NDF : 4642.2/36

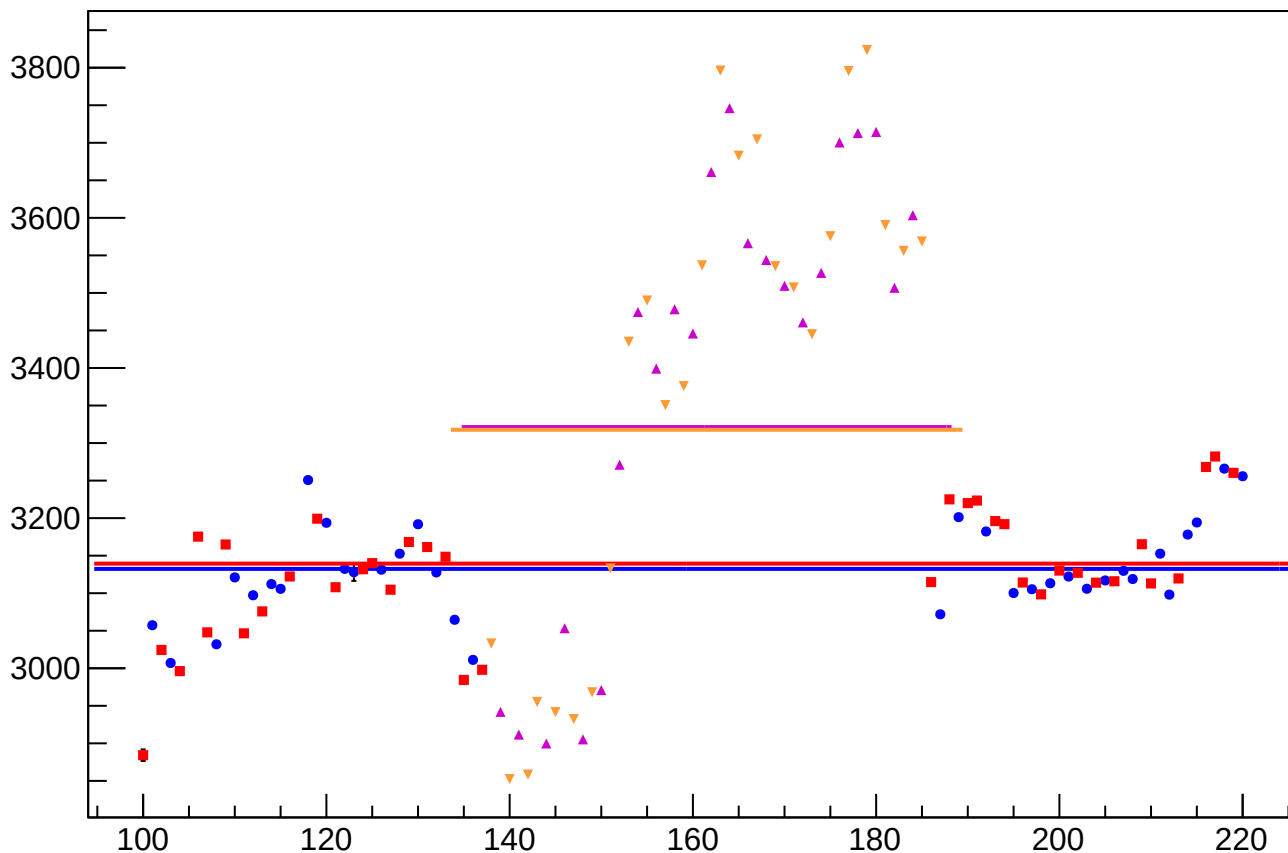
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -26.205 ± 0.527 χ^2/NDF : 1528.5/58

All: -15.392 ± 0.374 χ^2/NDF : 7147.0/118

- sign -4.427 ± 0.531 χ^2/NDF : 4771.0/59

diff_bpm0l01X_rms vs Slug



Right In: 3132.390+/-0.508 χ^2/NDF : 16181.9/33

Left Out: 3317.699+/-0.549 χ^2/NDF : 336877.2/24

Right Out: 3139.387+/-0.501 χ^2/NDF : 22184.1/36

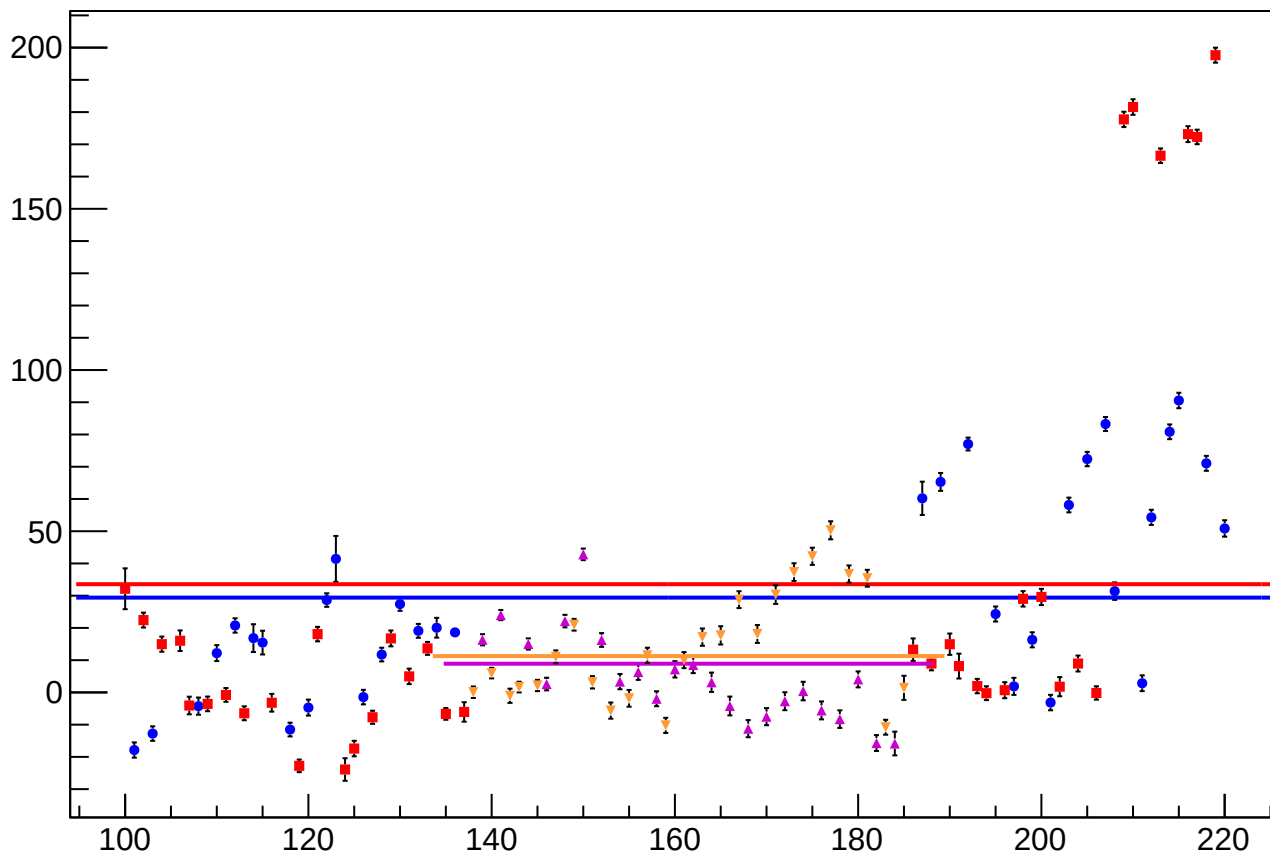
Left In: 3321.275+/-0.566 χ^2/NDF : 284334.2/22

+ sign 3217.826+/-0.373 χ^2/NDF : 414473.3/58

All: 3218.594+/-0.264 χ^2/NDF : 778852.5/118

- sign 3219.373+/-0.375 χ^2/NDF : 364370.6/59

diff_bpm0l01Y_mean vs Slug



Right In: 29.404 ± 0.406 χ^2/NDF : 5934.9/33

Left Out: 11.268 ± 0.454 χ^2/NDF : 1141.8/24

Right Out: 33.563 ± 0.398 χ^2/NDF : 28456.5/36

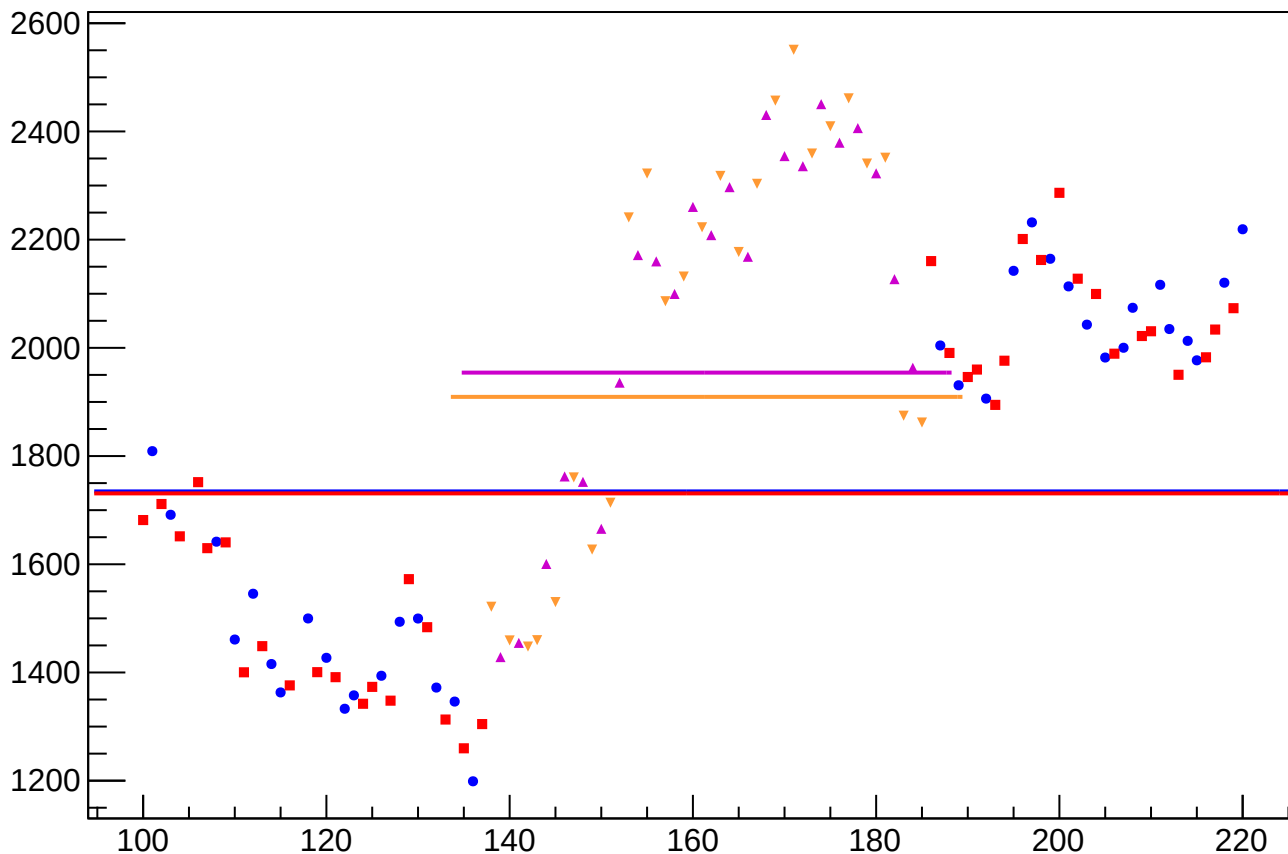
Left In: 8.905 ± 0.478 χ^2/NDF : 936.3/22

+ sign 21.359 ± 0.303 χ^2/NDF : 7963.1/58

All: 22.393 ± 0.215 χ^2/NDF : 38952.3/118

- sign 23.449 ± 0.306 χ^2/NDF : 30965.5/59

diff_bpm0l01Y_rms vs Slug



Right In: 1734.662 $\pm$ 0.287 χ^2 /NDF: 1386592.1/33

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

Right Out: 1730.983 $\pm$ 0.282 χ^2 /NDF: 1292740.7/36

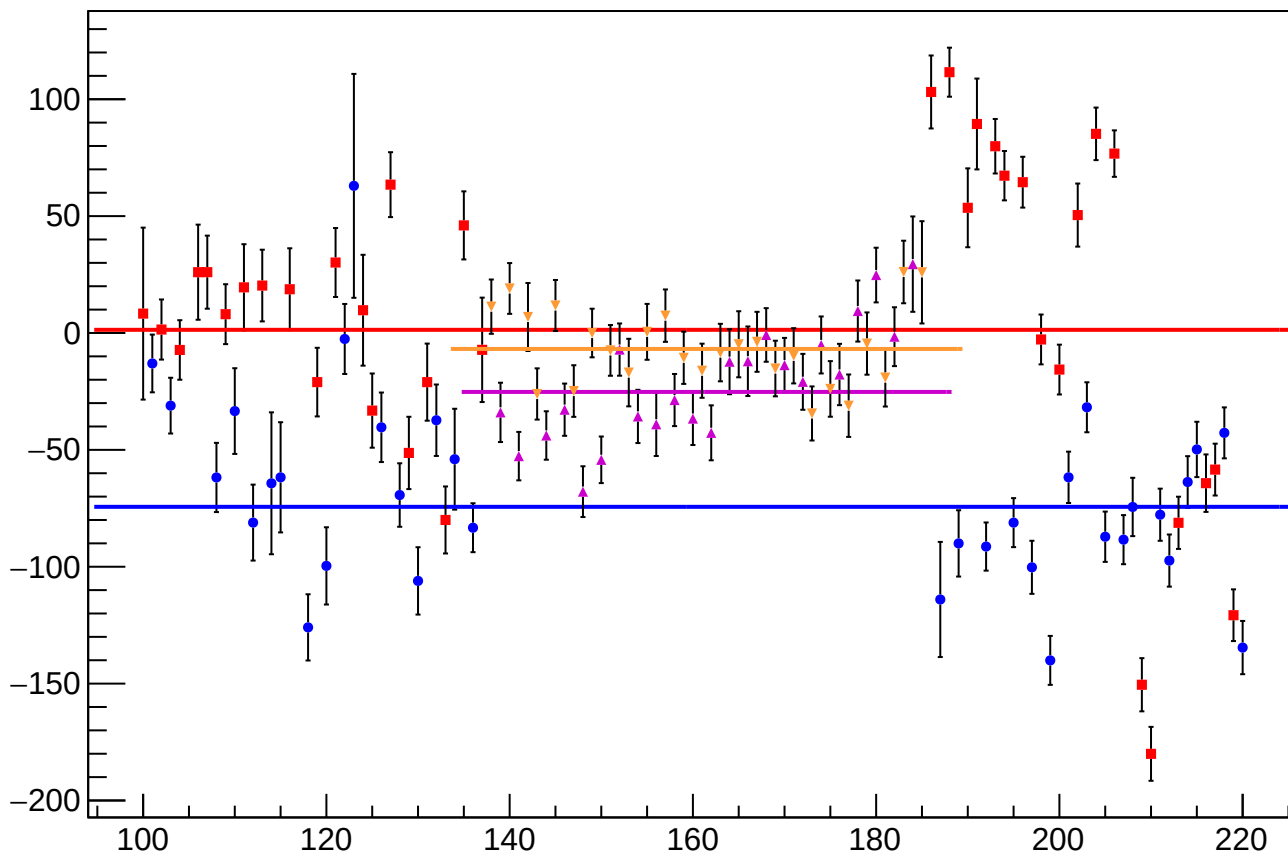
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1812.172 $\pm$ 0.214 χ^2 /NDF: 2949646.5/58

All: 1817.308 $\pm$ 0.152 χ^2 /NDF: 5546232.7/11

- sign 1822.553 $\pm$ 0.216 χ^2 /NDF: 2595421.8/59

diff_bpm0l02X_mean vs Slug



Right In: -74.371 ± 2.223 $\chi^2/\text{NDF}: 226.4/33$

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

Right Out: 1.357 ± 2.198 $\chi^2/\text{NDF}: 1184.2/36$

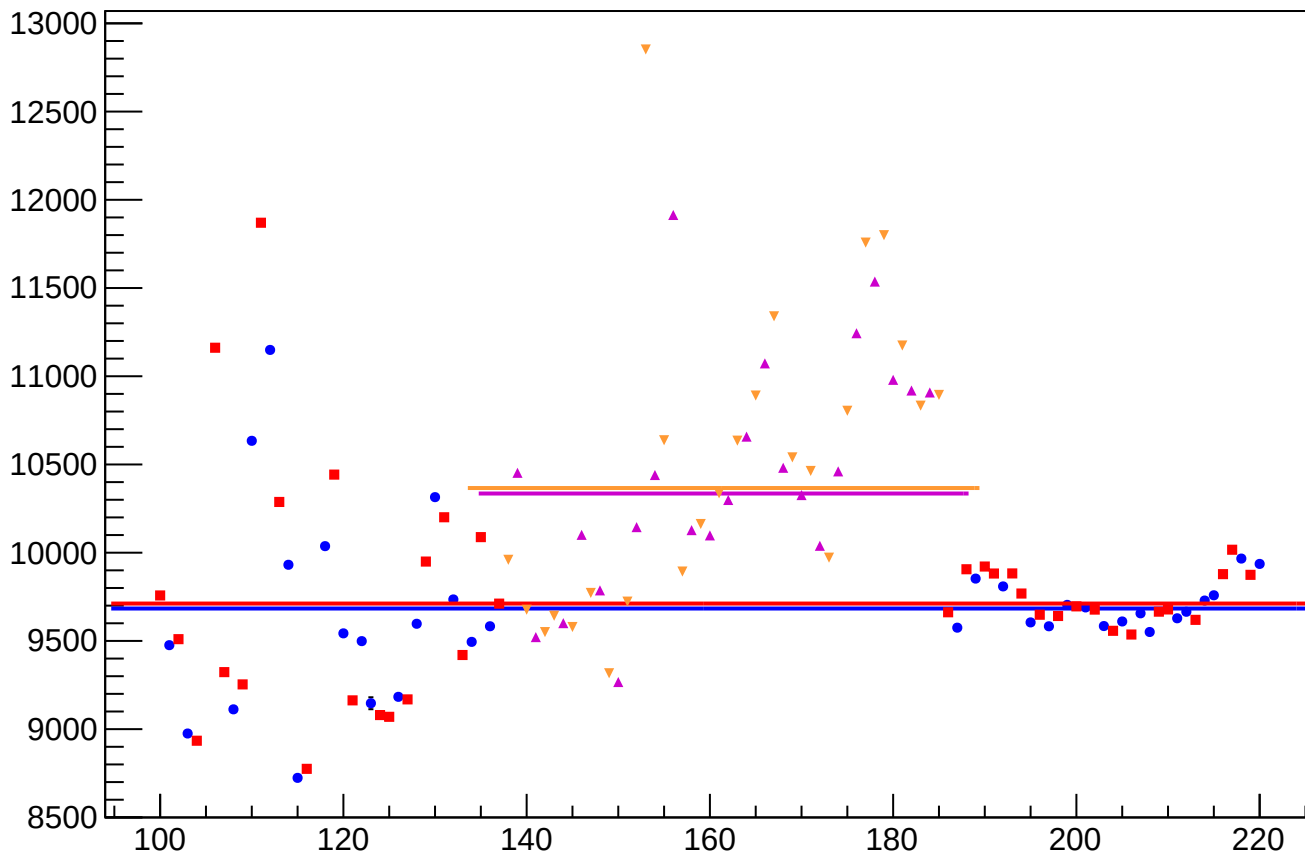
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -43.495 ± 1.638 $\chi^2/\text{NDF}: 690.8/58$

All: -26.984 ± 1.161 $\chi^2/\text{NDF}: 2232.8/118$

- sign -10.295 ± 1.647 $\chi^2/\text{NDF}: 1337.6/59$

diff_bpm0l02X_rms vs Slug



Right In: 9683.614+/-1.572 χ^2/NDF : 48097.4/33

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

Right Out: 9711.794+/-1.554 χ^2/NDF : 82999.7/36

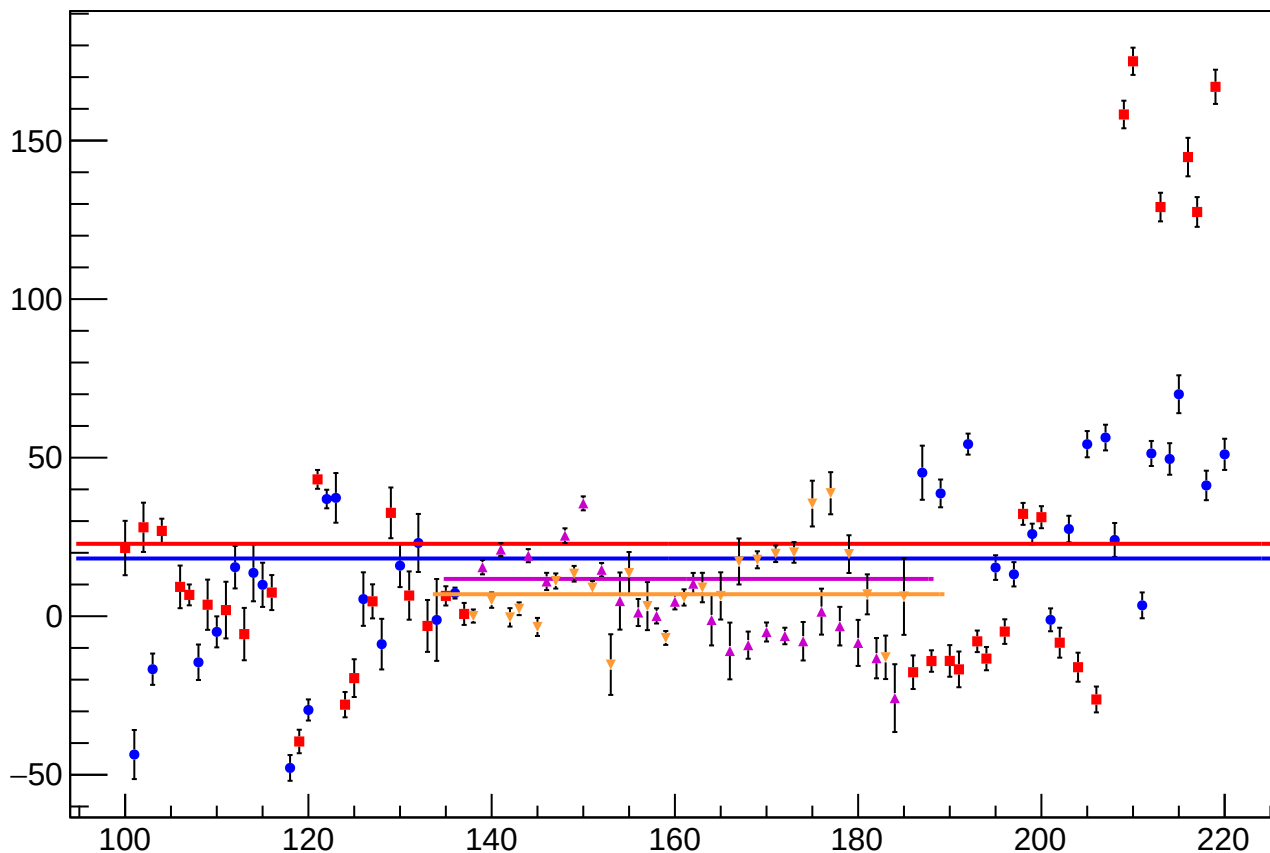
Left In: 10335.399+/-1.758 χ^2/NDF : 127173.0/22

+ sign 9995.777+/-1.158 χ^2/NDF : 345788.0/58

All: 9990.544+/-0.821 χ^2/NDF : 626629.5/118

- sign 9985.255+/-1.164 χ^2/NDF : 280800.4/59

diff_bpm0l02Y_mean vs Slug



Right In: 18.203 ± 0.739 $\chi^2/\text{NDF}: 1371.3/33$

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

Right Out: 22.834 ± 0.737 $\chi^2/\text{NDF}: 5879.5/36$

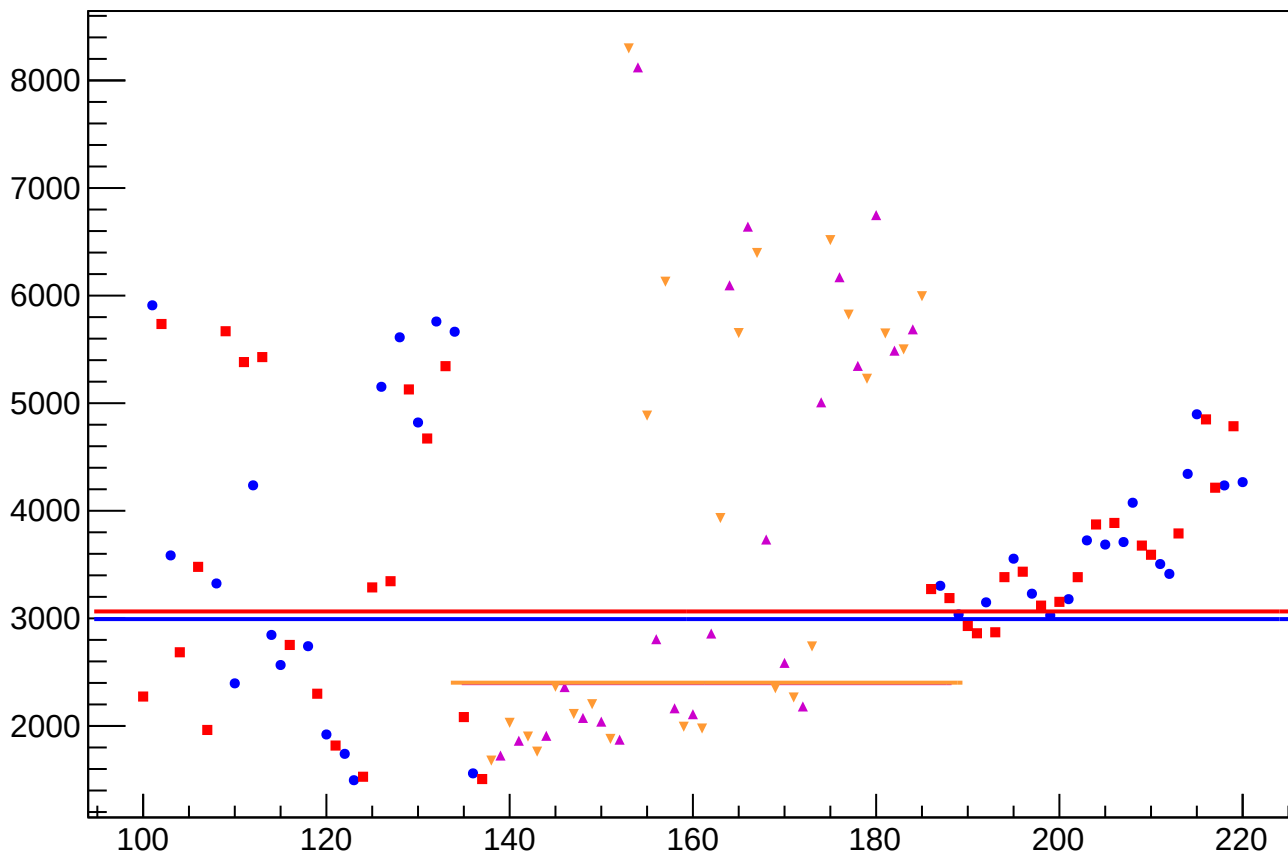
Left In: 11.766 ± 0.648 $\chi^2/\text{NDF}: 395.1/22$

+ sign 11.756 ± 0.483 $\chi^2/\text{NDF}: 1708.2/58$

All: 14.160 ± 0.343 $\chi^2/\text{NDF}: 8159.9/118$

- sign 16.598 ± 0.487 $\chi^2/\text{NDF}: 6401.9/59$

diff_bpm0l02Y_rms vs Slug



Right In: 2993.299+/-0.523 χ^2/NDF : 4236199.2/33

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

Right Out: 3064.468+/-0.521 χ^2/NDF : 3579237.2/36

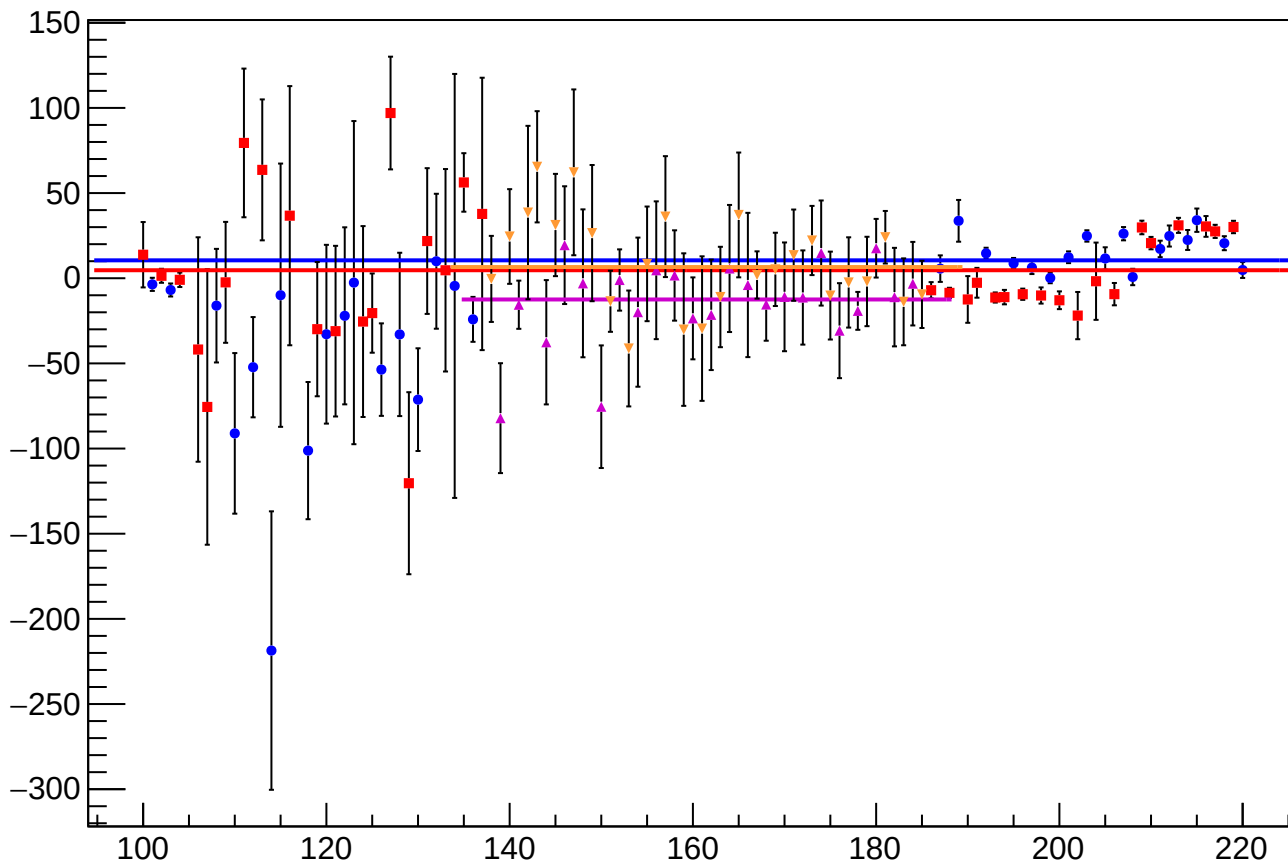
Left In: 2397.701+/-0.458 χ^2/NDF : 5398920.1/22

+ sign 2655.082+/-0.342 χ^2/NDF : 11314257.9/58

All: 2671.813+/-0.242 χ^2/NDF : 21220660.2/100

- sign 2688.783+/-0.344 χ^2/NDF : 9901573.0/59

diff_bpm0l03X_mean vs Slug



Right In: 10.510 ± 0.968 χ^2/NDF : 169.0/33

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

Right Out: 4.697 ± 0.984 χ^2/NDF : 348.6/36

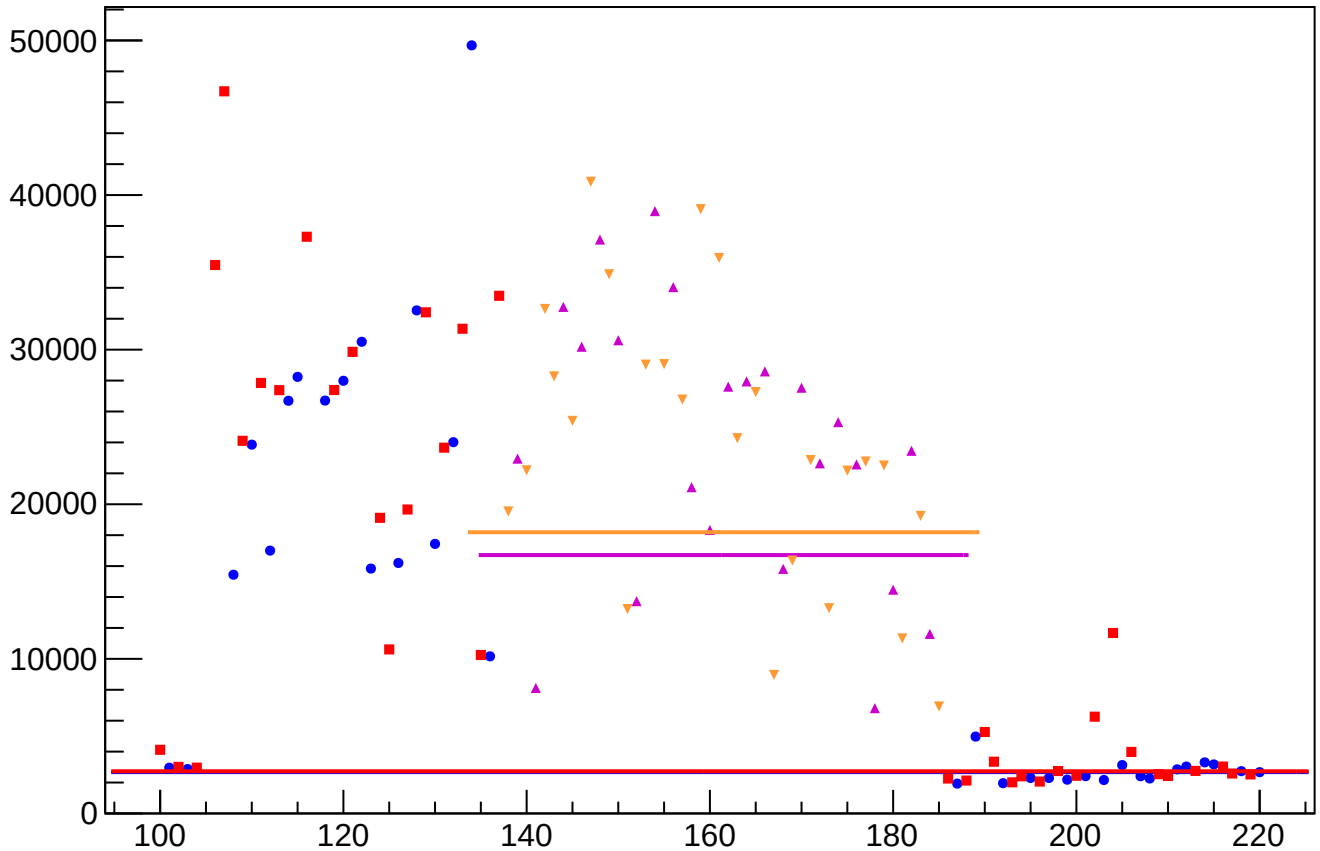
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 10.372 ± 0.951 χ^2/NDF : 186.3/58

All: 7.265 ± 0.677 χ^2/NDF : 583.2/118

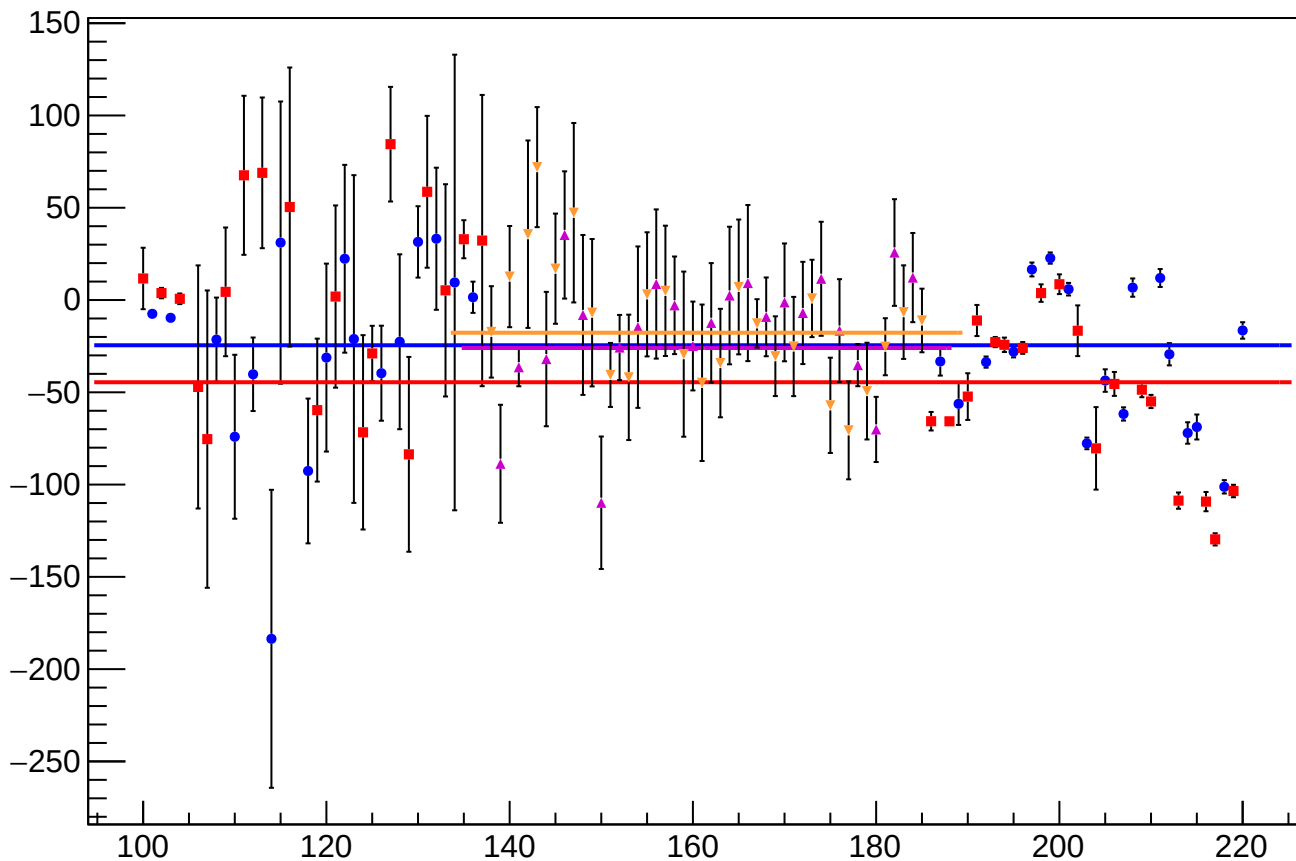
- sign 4.064 ± 0.965 χ^2/NDF : 375.3/59

diff_bpm0l03X_rms vs Slug



Right In: 2674.601+/-0.685	χ^2/NDF : 7047217.3/33	+ sign 3218.851+/-0.672	χ^2/NDF : 30329687.6/58
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 3231.139+/-0.479	χ^2/NDF : 60538767.9/1
Right Out: 2727.697+/-0.696	χ^2/NDF : 9094363.6/36	- sign 3243.802+/-0.683	χ^2/NDF : 30208402.2/59
Left In: 16713.653+/-3.553	χ^2/NDF : 6194178.8/22		

diff_bpm0l03Y_mean vs Slug



Right In: -24.512 ± 0.873 χ^2/NDF : 1621.7/33

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

Right Out: -44.545 ± 0.884 χ^2/NDF : 2422.8/36

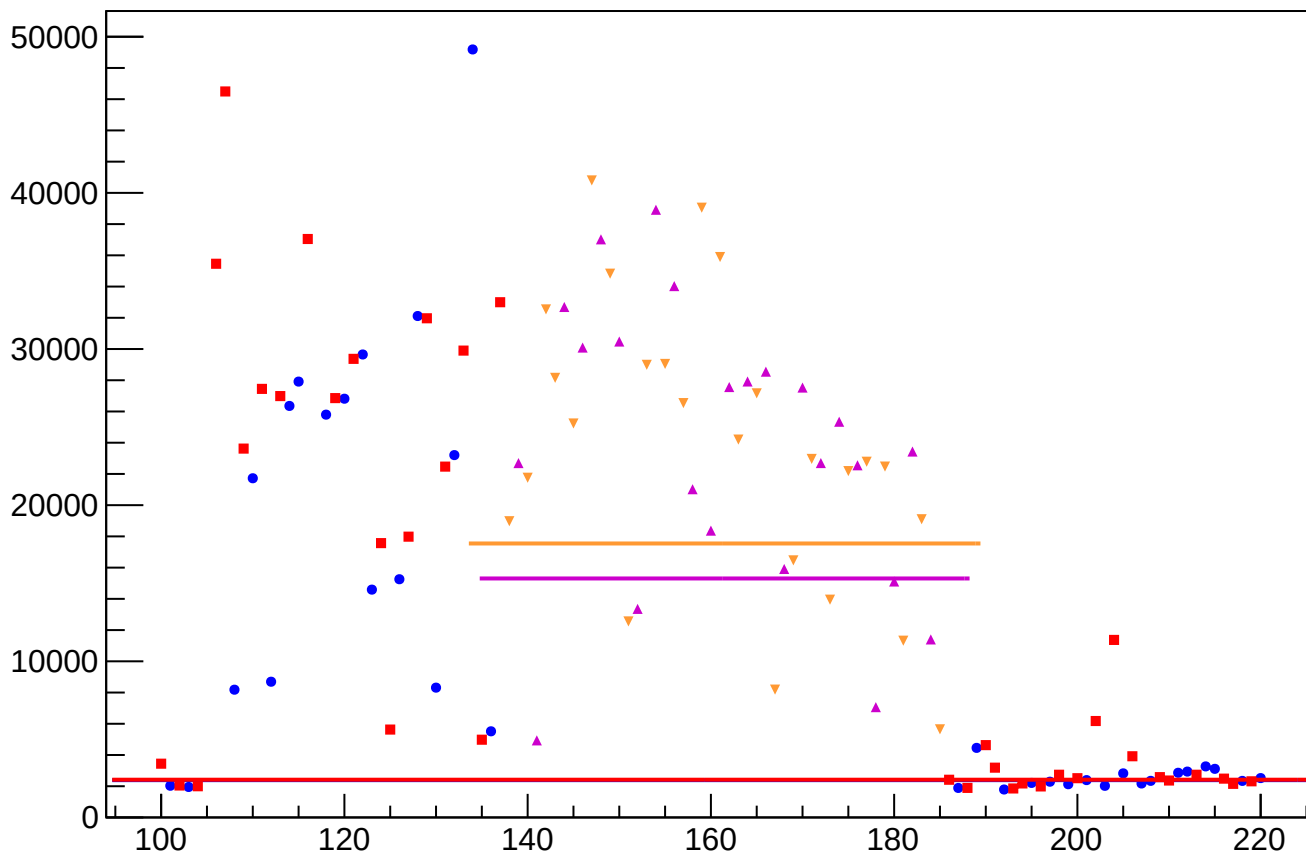
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -24.309 ± 0.860 χ^2/NDF : 1650.6/58

All: -34.009 ± 0.611 χ^2/NDF : 4378.0/118

- sign -43.933 ± 0.870 χ^2/NDF : 2469.9/59

diff_bpm0l03Y_rms vs Slug



Right In: 2389.606+/-0.617 χ^2/NDF : 5930718.5/33

Left Out: 17546.173+/-3.517 χ^2/NDF : 5902620.4/24

Right Out: 2417.266+/-0.625 χ^2/NDF : 8776493.5/36

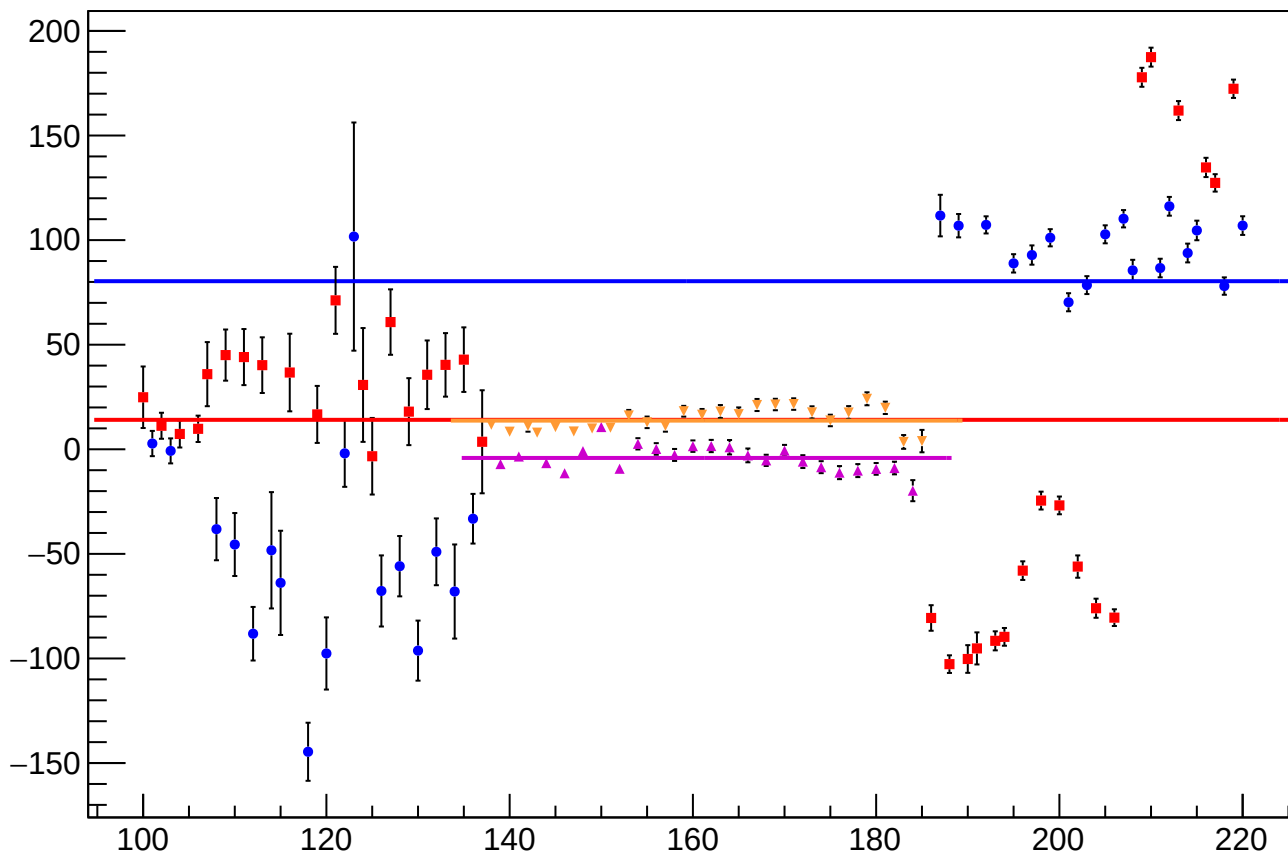
Left In: 15305.311+/-3.386 χ^2/NDF : 7721177.0/22

+ sign 2842.482+/-0.608 χ^2/NDF : 29847158.8/58

All: 2842.405+/-0.432 χ^2/NDF : 60352664.0/100

- sign 2842.327+/-0.615 χ^2/NDF : 30505505.2/59

diff_bpm0l04X_mean vs Slug



Right In: 80.362 ± 1.033 χ^2/NDF : 1959.5/33

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

Right Out: 14.082 ± 1.012 χ^2/NDF : 10816.3/36

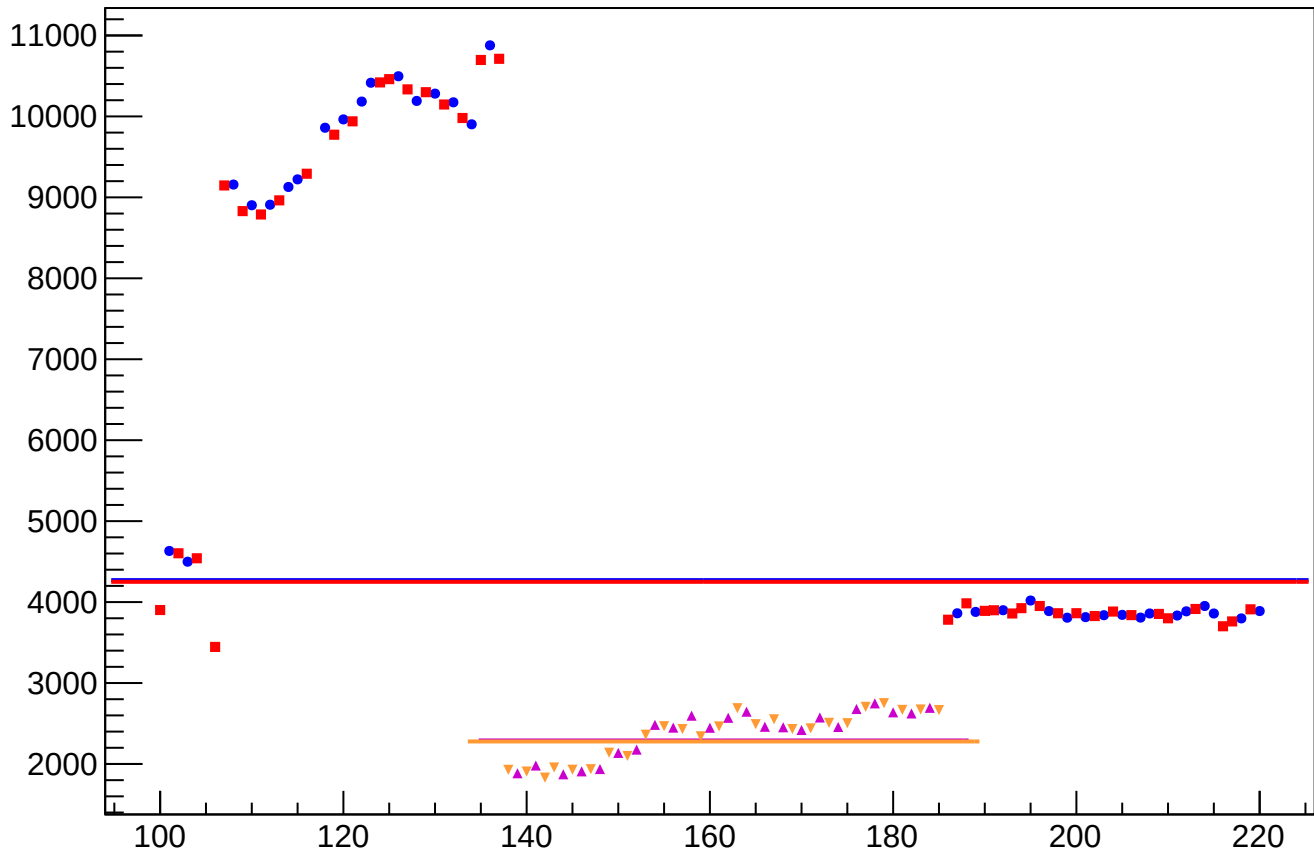
Left In: -4.141 ± 0.555 χ^2/NDF : 111.7/22

+ sign 27.807 ± 0.475 χ^2/NDF : 5329.1/58

All: 14.262 ± 0.340 χ^2/NDF : 18169.4/118

- sign 0.069 ± 0.487 χ^2/NDF : 11177.1/59

diff_bpm0l04X_rms vs Slug



Right In: 4271.427+/-0.731 χ^2/NDF : 3908518.6/33

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

Right Out: 4250.361+/-0.716 χ^2/NDF : 3948145.7/36

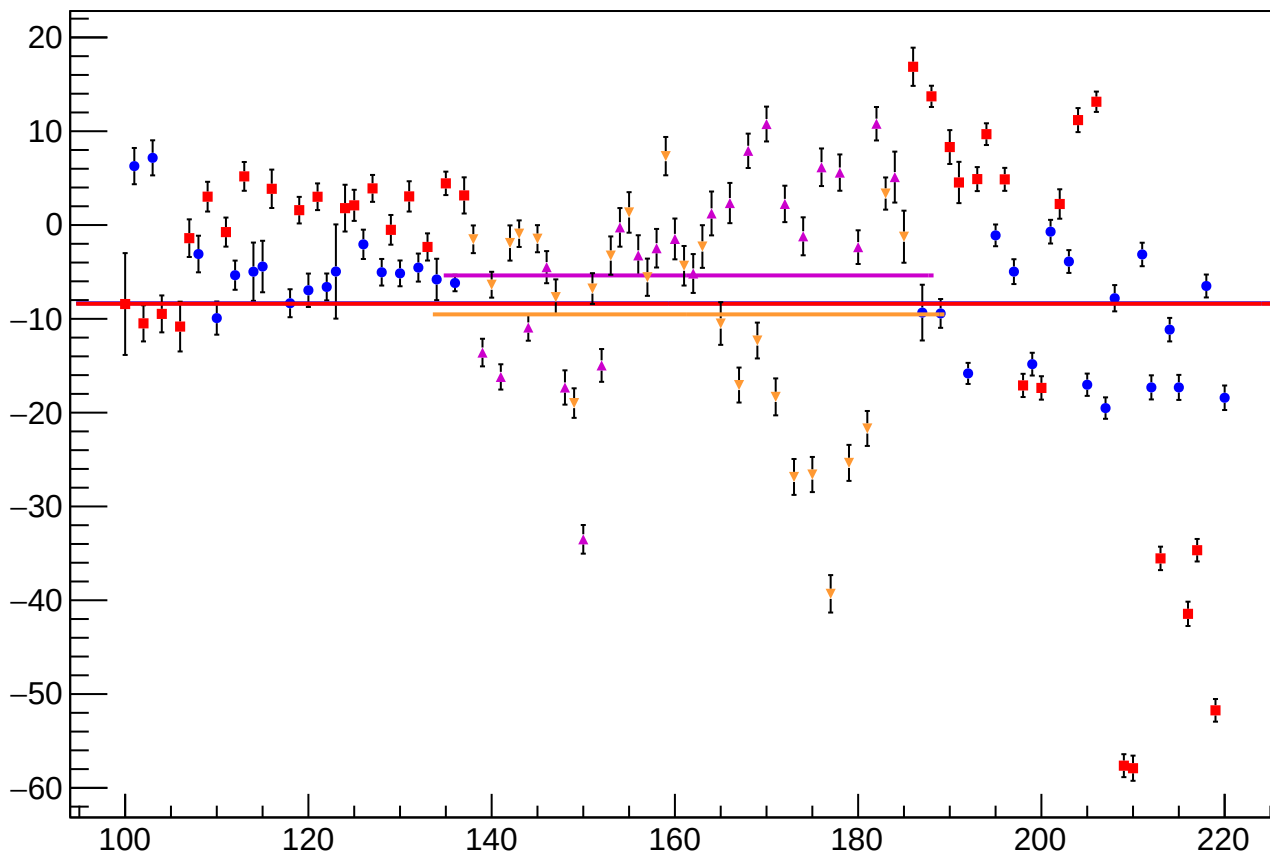
Left In: 2290.461+/-0.392 χ^2/NDF : 590272.1/22

+ sign 2699.705+/-0.336 χ^2/NDF : 10382165.6/58

All: 2720.931+/-0.240 χ^2/NDF : 20693882.7/100

- sign 2743.171+/-0.344 χ^2/NDF : 10303549.2/59

diff_bpm0l04Y_mean vs Slug



Right In: -8.349 ± 0.244 χ^2/NDF : 680.2/33

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

Right Out: -8.391 ± 0.241 χ^2/NDF : 8454.4/36

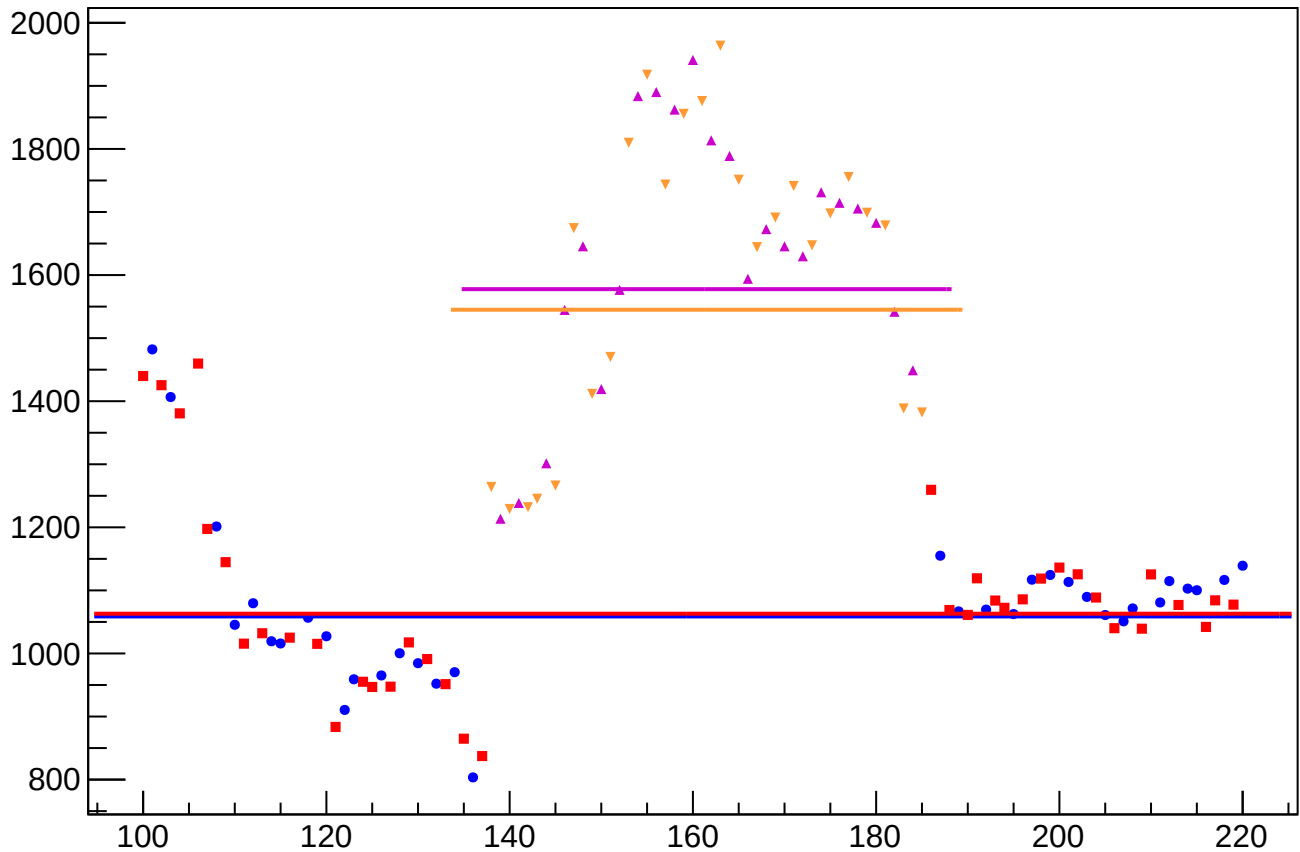
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -8.712 ± 0.203 χ^2/NDF : 1571.5/58

All: -8.126 ± 0.144 χ^2/NDF : 10957.0/118

- sign -7.532 ± 0.204 χ^2/NDF : 9368.7/59

diff_bpm0l04Y_rms vs Slug



Right In: 1058.756 $\pm$ 0.173 χ^2 /NDF: 437248.7/33

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

Right Out: 1063.046 $\pm$ 0.171 χ^2 /NDF: 394596.1/36

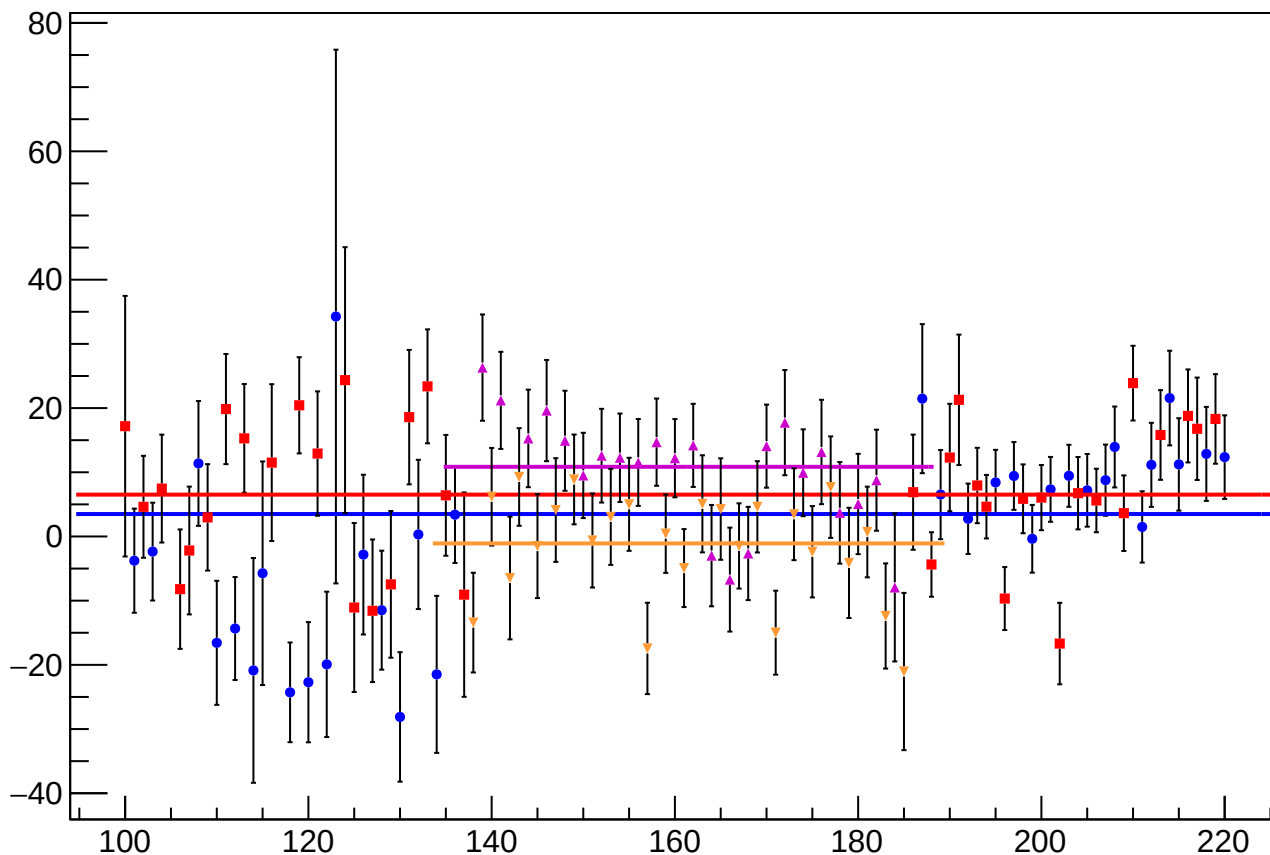
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1209.226 $\pm$ 0.143 χ^2 /NDF: 3734658.5/58

All: 1209.330 $\pm$ 0.102 χ^2 /NDF: 7339893.3/11

- sign 1209.436 $\pm$ 0.144 χ^2 /NDF: 3605233.8/59

diff_bpm0l05X_mean vs Slug



Right In: 3.494 ± 1.240 χ^2/NDF : 79.6/33

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

Right Out: 6.518 ± 1.209 χ^2/NDF : 74.0/36

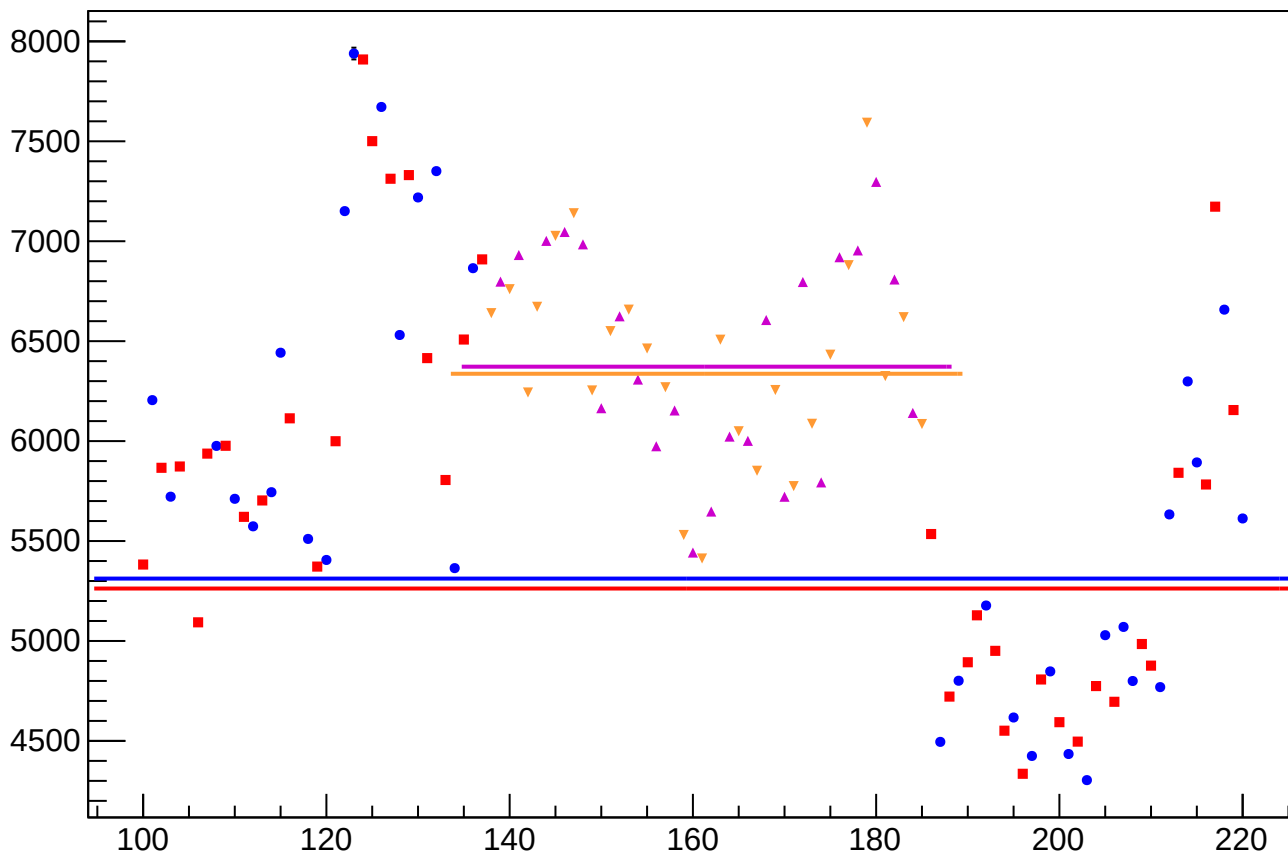
Left In: 10.851 ± 1.542 χ^2/NDF : 24.4/22

+ sign 1.617 ± 0.952 χ^2/NDF : 112.7/58

All: 4.896 ± 0.673 χ^2/NDF : 239.6/118

- sign 8.168 ± 0.951 χ^2/NDF : 103.3/59

diff_bpm0l05X_rms vs Slug



Right In: 5312.155+/-0.877 χ^2/NDF : 887230.7/33

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

Right Out: 5262.372+/-0.855 χ^2/NDF : 841843.9/36

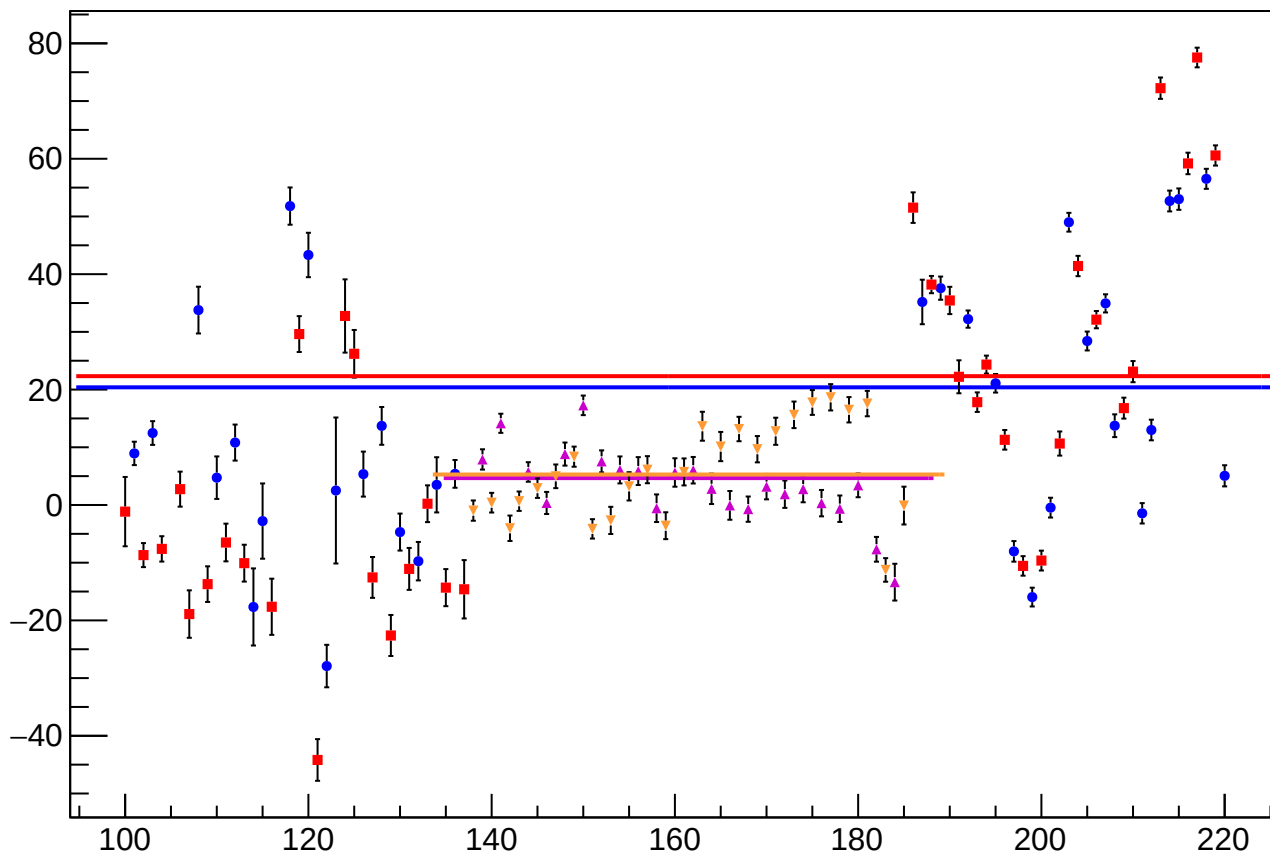
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 5732.310+/-0.673 χ^2/NDF : 1670375.1/58

All: 5708.553+/-0.476 χ^2/NDF : 3404132.9/11

- sign 5684.854+/-0.673 χ^2/NDF : 1731271.3/59

diff_bpm0l05Y_mean vs Slug



Right In: 20.389 $\pm$ 0.377 χ^2 /NDF: 3434.7/33

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

Right Out: 22.324 $\pm$ 0.372 χ^2 /NDF: 5756.5/36

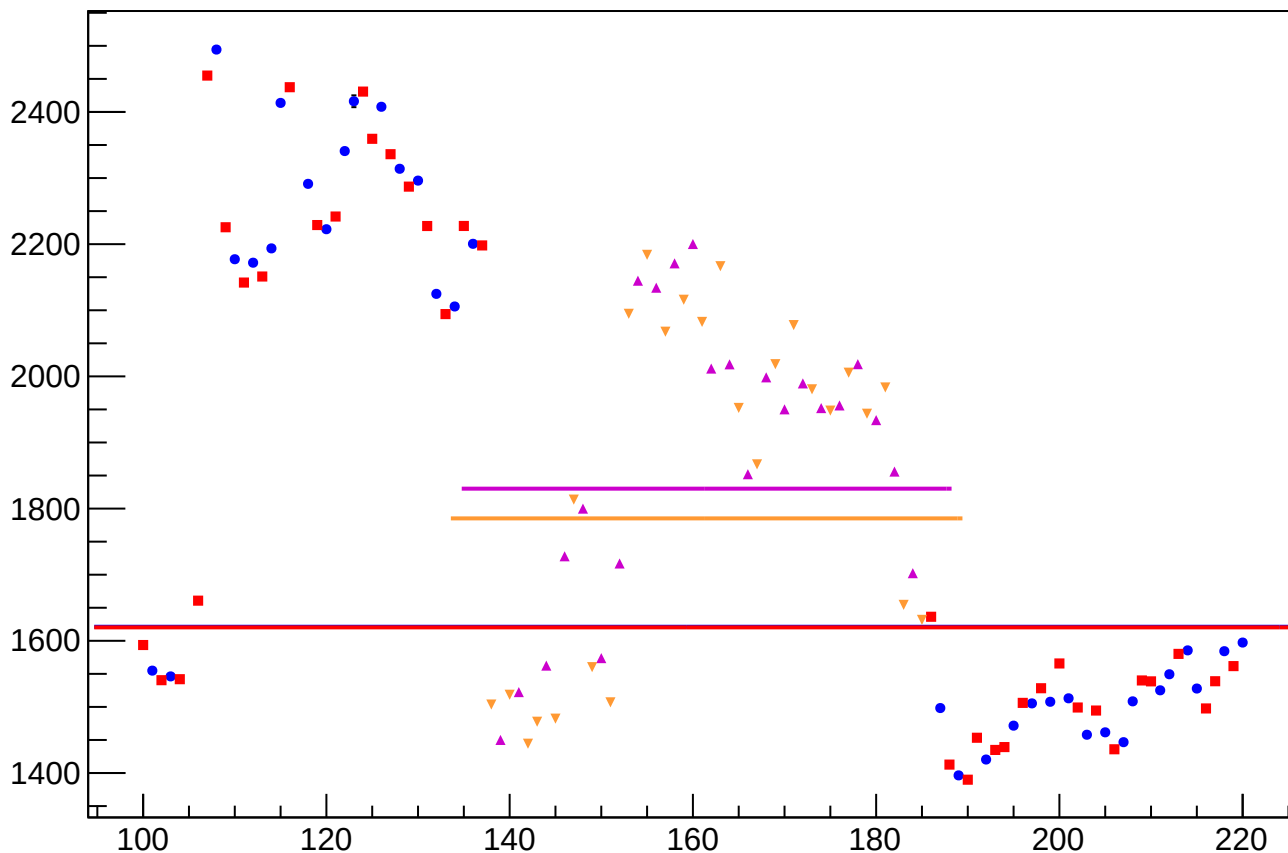
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF: 196.5/22

+ sign 13.658 $\pm$ 0.281 χ^2 /NDF: 4515.4/58

All: 14.336 $\pm$ 0.200 χ^2 /NDF: 11413.0/118

- sign 15.034 $\pm$ 0.285 χ^2 /NDF: 6885.8/59

diff_bpm0l05Y_rms vs Slug



Right In: 1621.257+/-0.267 χ^2/NDF : 1104476.5/33

Left Out: 1785.179+/-0.297 χ^2/NDF : 750628.1/24

Right Out: 1620.326+/-0.263 χ^2/NDF : 1114233.0/36

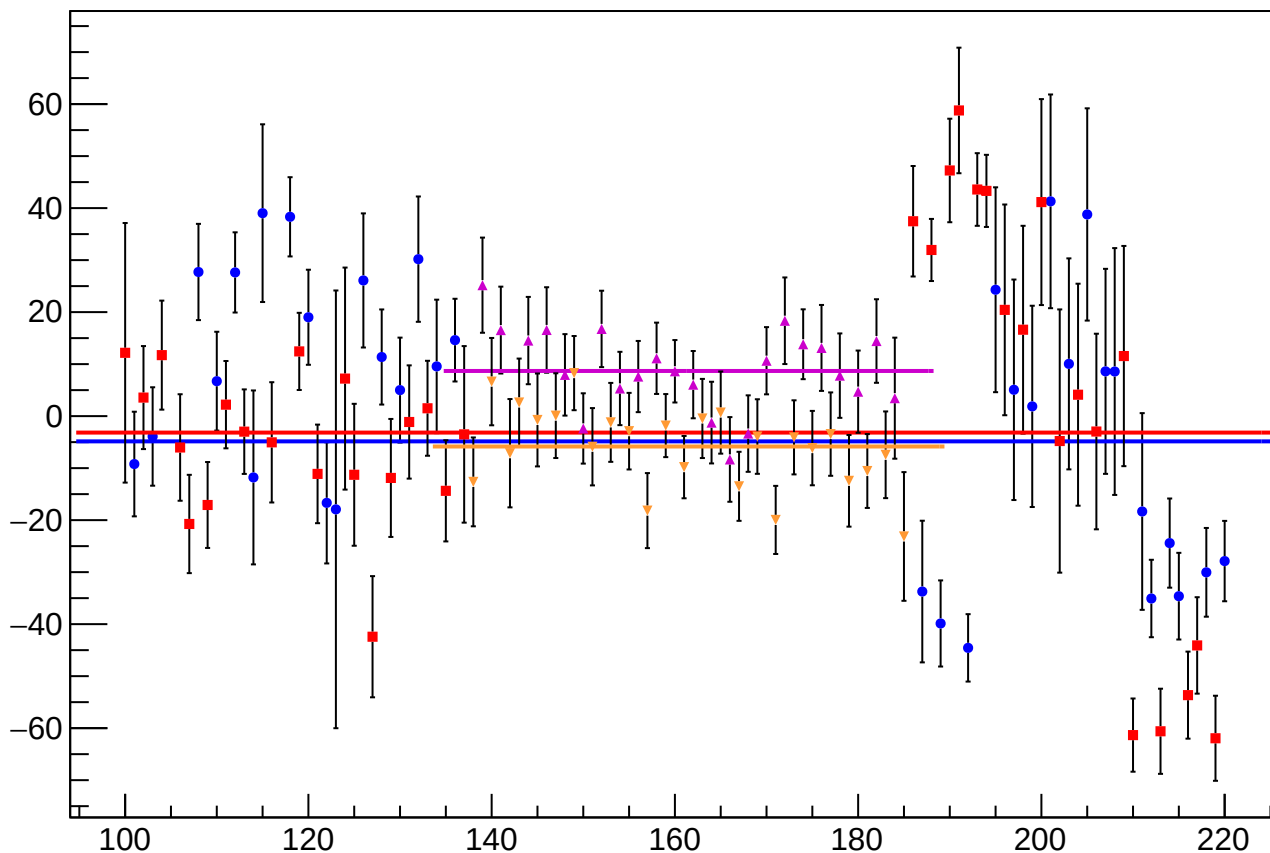
Left In: 1830.160+/-0.313 χ^2/NDF : 508391.9/22

+ sign 1694.308+/-0.199 χ^2/NDF : 2023442.3/58

All: 1700.522+/-0.141 χ^2/NDF : 3911212.2/11

- sign 1706.913+/-0.201 χ^2/NDF : 1885783.5/59

diff_bpm0l06X_mean vs Slug



Right In: -4.853 ± 1.815 χ^2/NDF : 230.2/33

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

Right Out: -3.164 ± 1.651 χ^2/NDF : 452.8/36

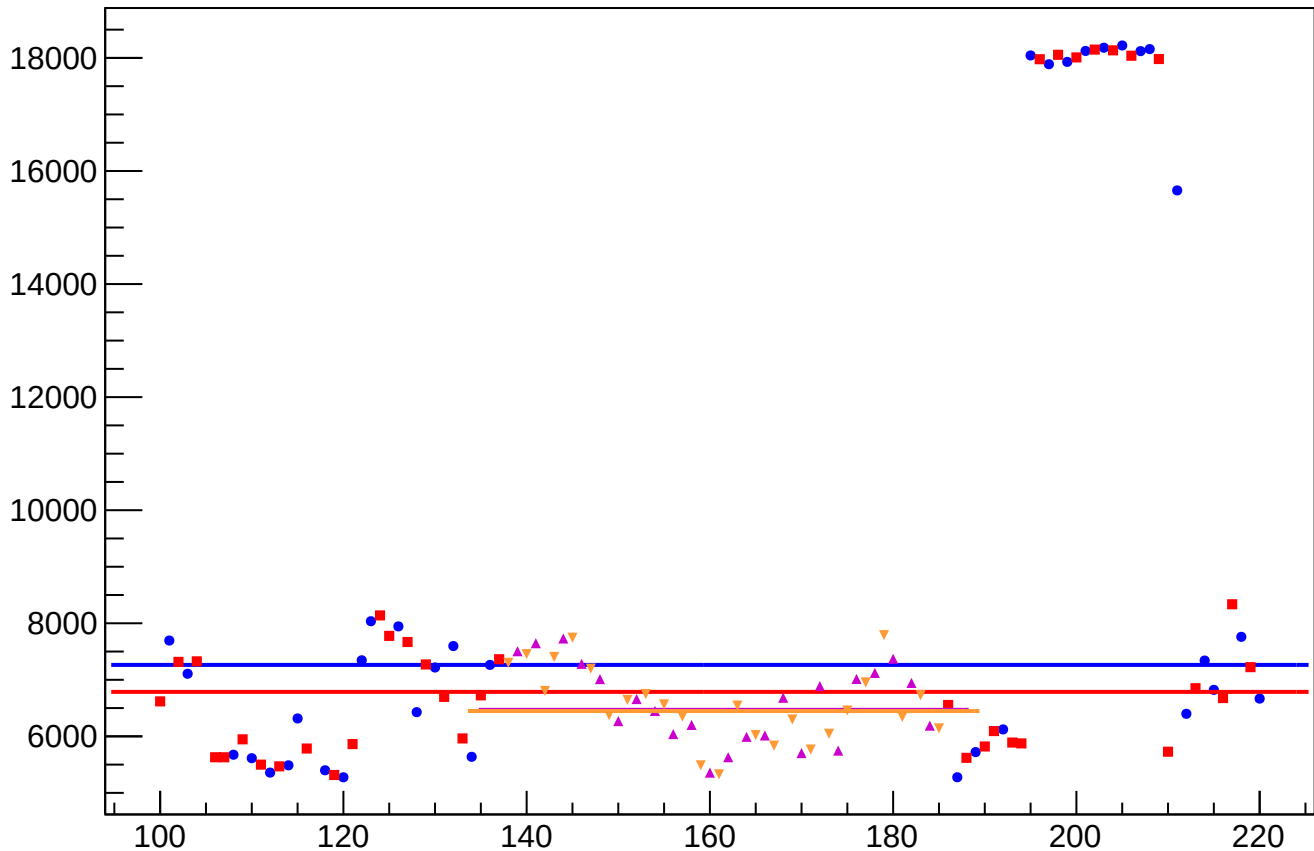
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -5.434 ± 1.165 χ^2/NDF : 253.7/58

All: -1.091 ± 0.814 χ^2/NDF : 782.6/118

- sign 3.054 ± 1.138 χ^2/NDF : 501.8/59

diff_bpm0l06X_rms vs Slug



Right In: 7263.625+/-1.284 χ^2/NDF : 5615866.5/33

Left Out: 6447.712+/-1.074 χ^2/NDF : 371671.1/24

Right Out: 6786.334+/-1.167 χ^2/NDF : 4761415.5/36

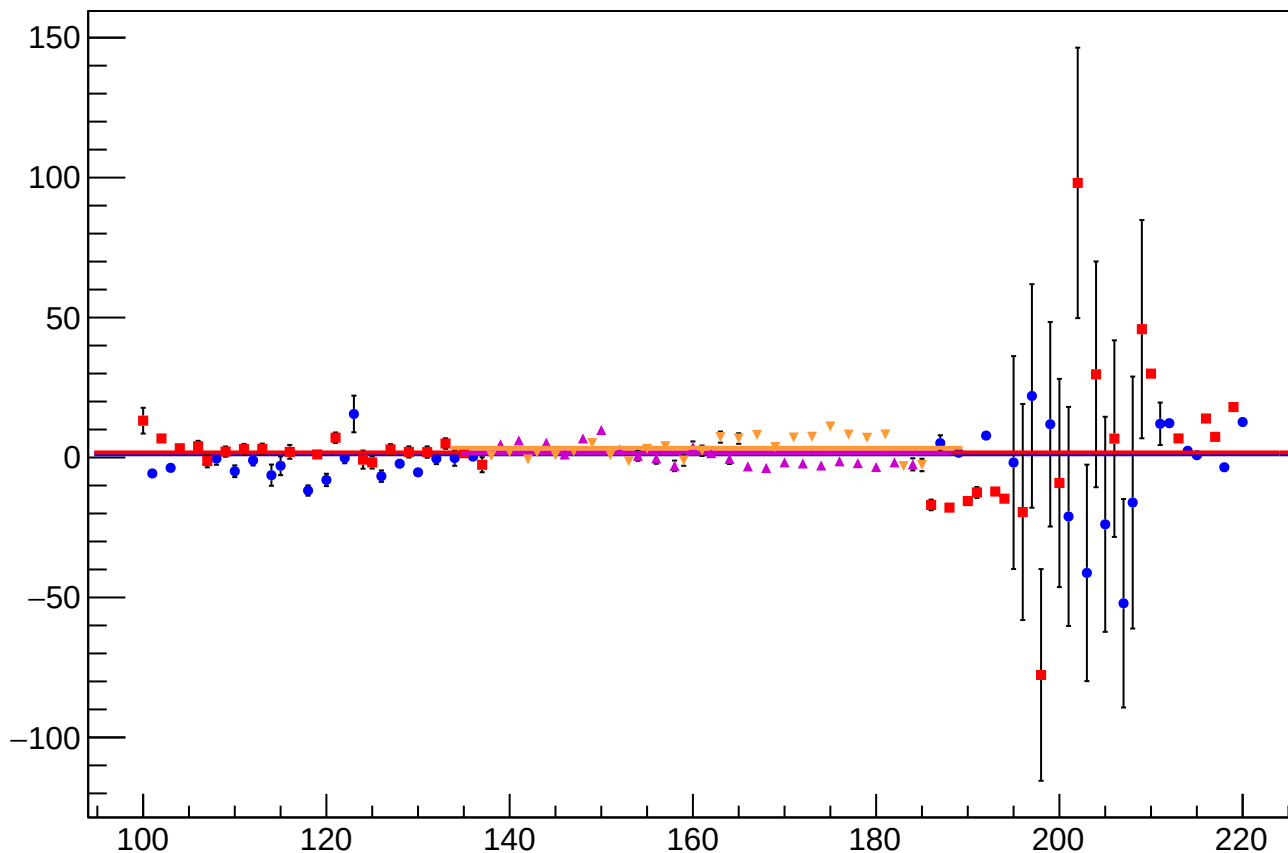
Left In: 6468.902+/-1.111 χ^2/NDF : 383325.4/22

+ sign 6783.549+/-0.824 χ^2/NDF : 6225269.7/58

All: 6699.731+/-0.576 χ^2/NDF : 11429075.7/114

- sign 6619.725+/-0.805 χ^2/NDF : 5183558.8/59

diff_bpm0l06Y_mean vs Slug



Right In: 1.161 ± 0.317 χ^2/NDF : 401.2/33

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

Right Out: 1.811 ± 0.290 χ^2/NDF : 1817.5/36

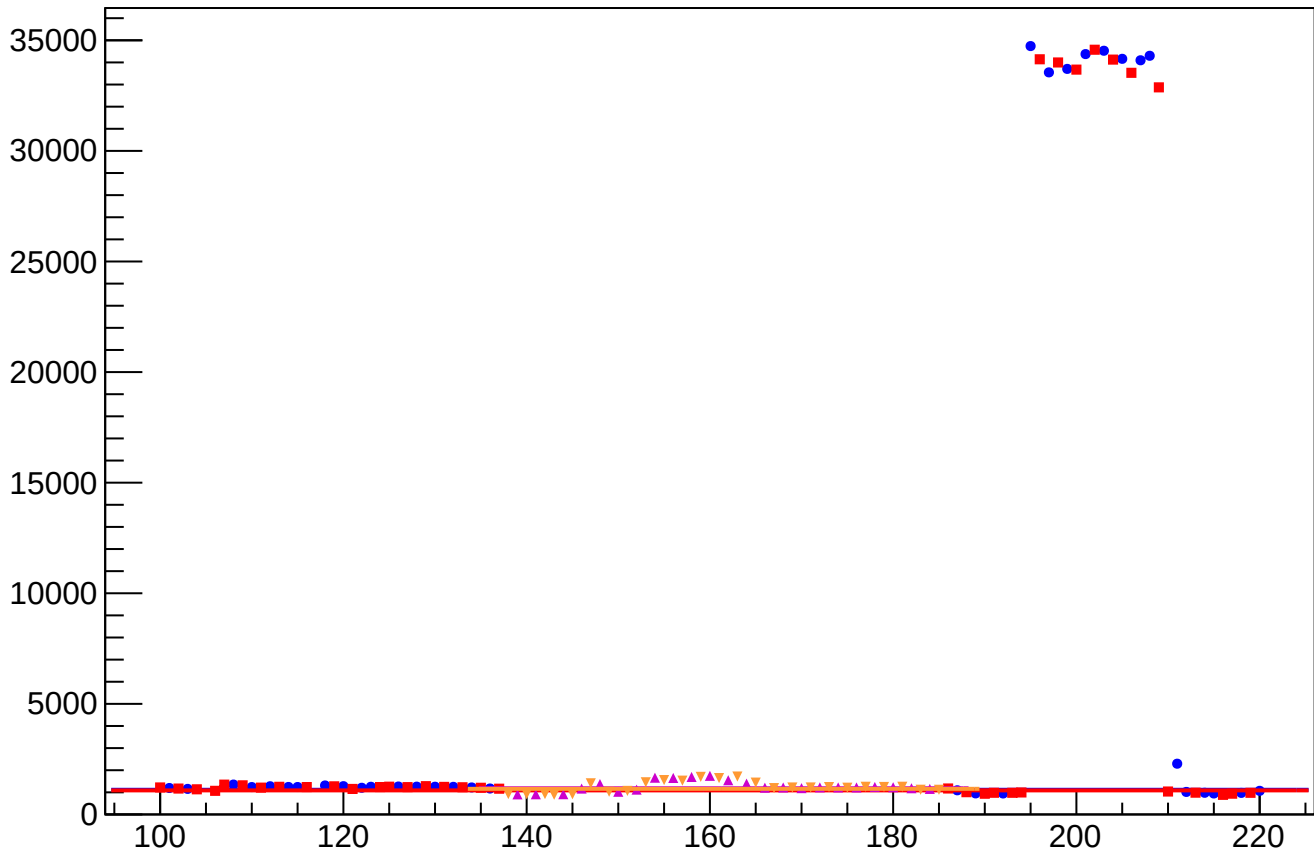
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.475 ± 0.208 χ^2/NDF : 607.2/58

All: 2.060 ± 0.146 χ^2/NDF : 2635.9/118

- sign 1.657 ± 0.205 χ^2/NDF : 2020.8/59

diff_bpm0l06Y_rms vs Slug



Right In: 1115.399 ± 0.224 χ^2/NDF : 11951401.6/33

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

Right Out: 1088.279 ± 0.205 χ^2/NDF : 10274780.2/36

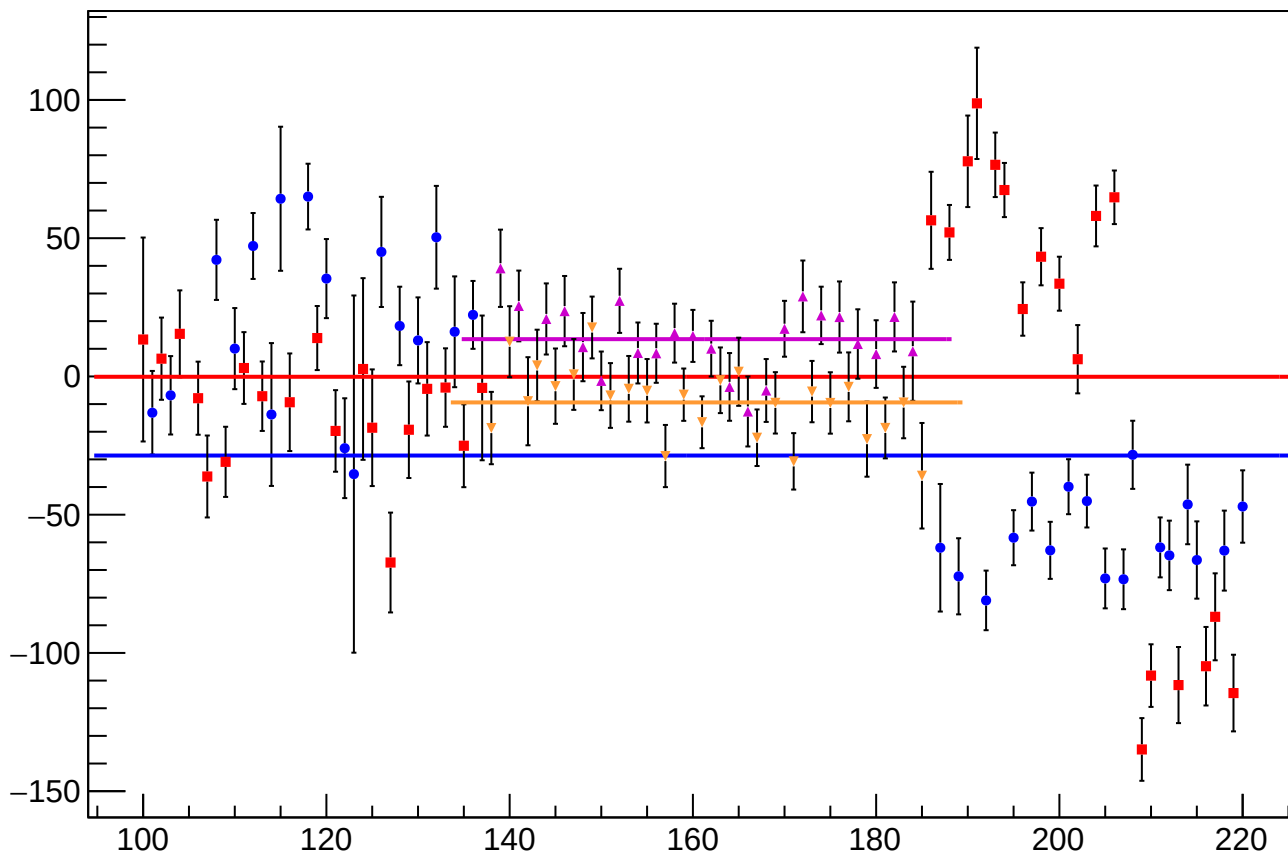
Left In: 1184.966 ± 0.206 χ^2/NDF : 1190431.5/22

+ sign 1140.141 ± 0.147 χ^2/NDF : 13383183.1/58

All: 1138.322 ± 0.103 χ^2/NDF : 24959512.8/100

- sign 1136.557 ± 0.145 χ^2/NDF : 11576029.8/59

diff_bpm0l07X_mean vs Slug



Right In: -28.606 ± 2.281 χ^2/NDF : 372.3/33

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

Right Out: -0.120 ± 2.205 χ^2/NDF : 771.2/36

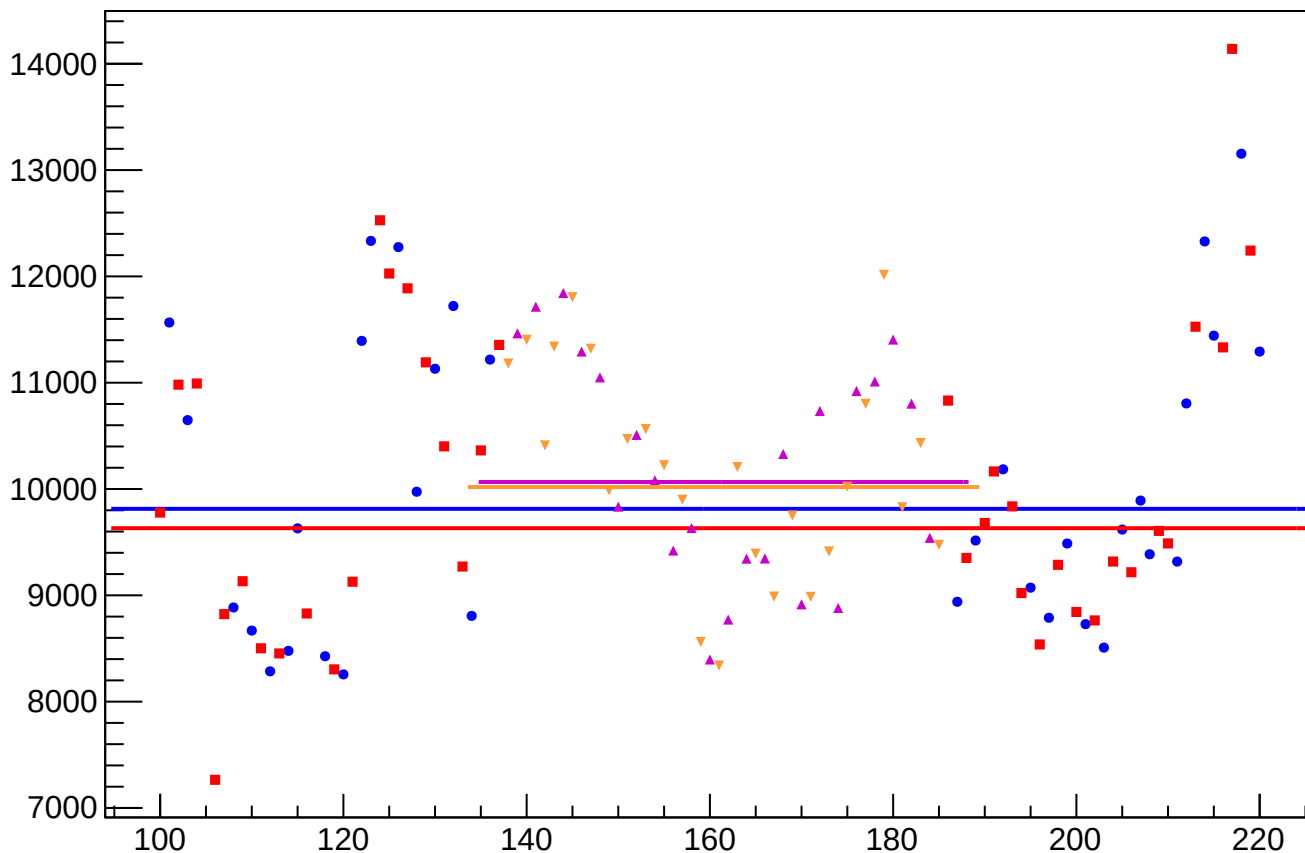
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -19.323 ± 1.640 χ^2/NDF : 432.9/58

All: -6.646 ± 1.158 χ^2/NDF : 1362.1/118

- sign 5.989 ± 1.637 χ^2/NDF : 809.8/59

diff_bpm0l07X_rms vs Slug



Right In: 9813.596 $\pm$ 1.613 χ^2 /NDF: 599090.8/33

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

Right Out: 9631.342 $\pm$ 1.559 χ^2 /NDF: 656735.9/36

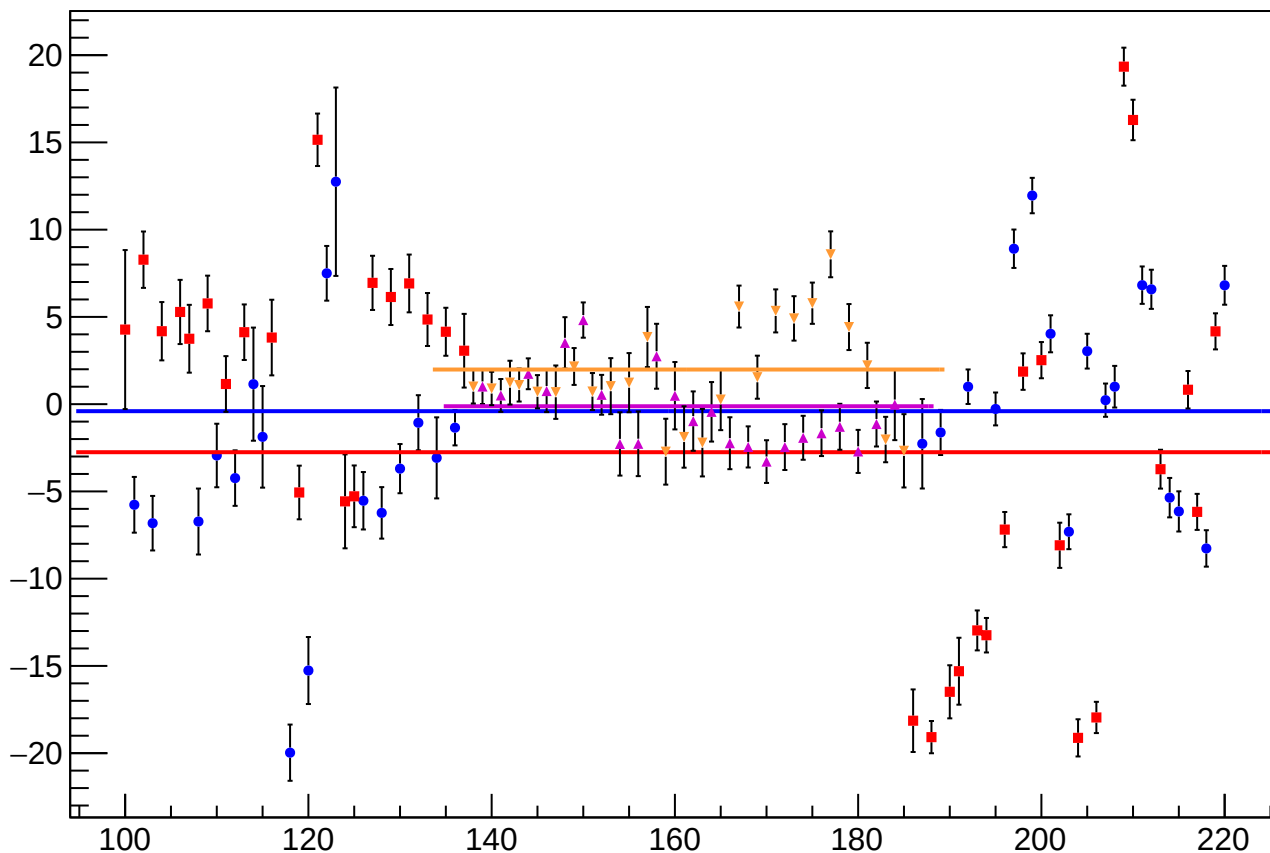
Left In: 10065.909 $\pm$ 1.727 χ^2 /NDF: 357868.9/22

+ sign 9912.658 $\pm$ 1.159 χ^2 /NDF: 951430.3/58

All: 9869.500 $\pm$ 0.819 χ^2 /NDF: 2003673.8/11

- sign 9826.483 $\pm$ 1.158 χ^2 /NDF: 1049476.7/59

diff_bpm0l07Y_mean vs Slug



Right In: -0.402 ± 0.222 χ^2/NDF : 849.0/33

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

Right Out: -2.753 ± 0.218 χ^2/NDF : 2525.5/36

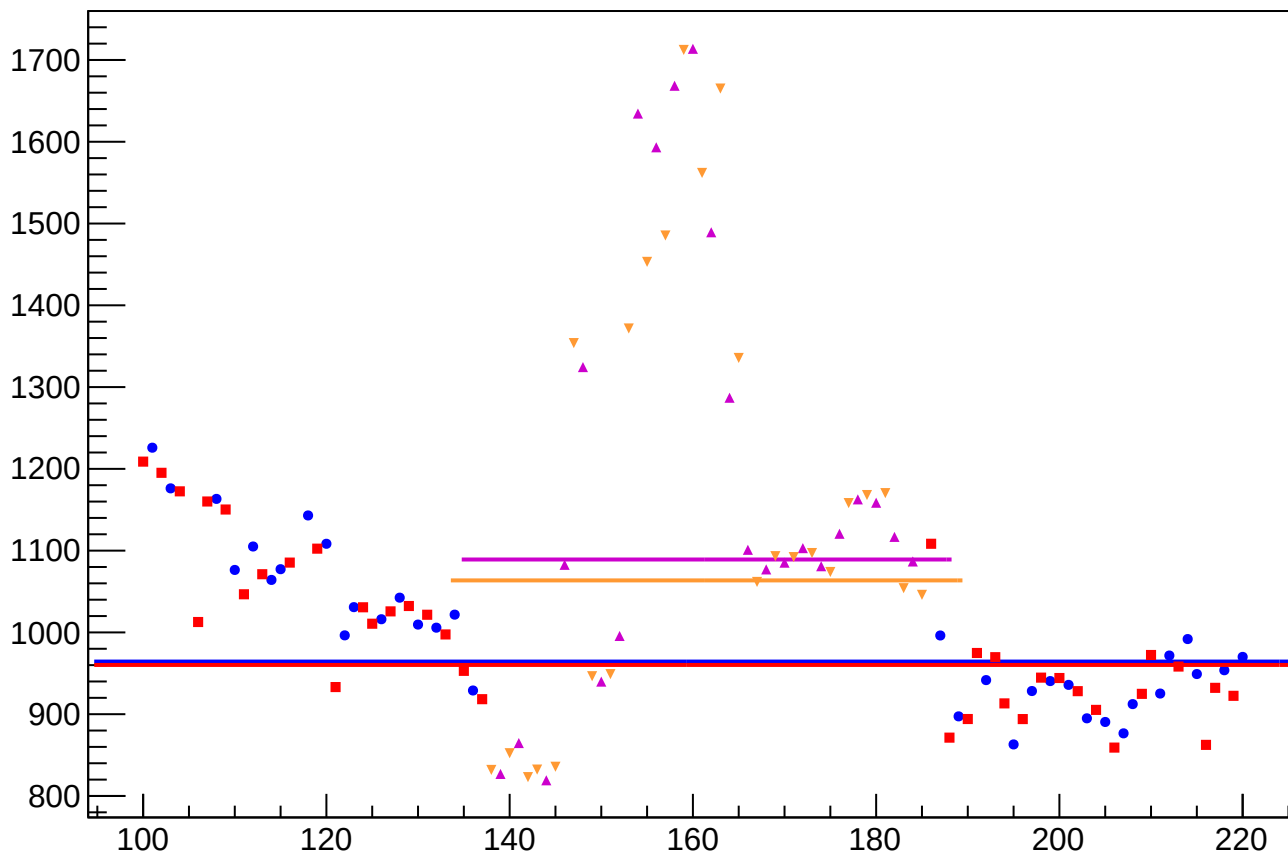
Left In: -0.120 ± 0.269 χ^2/NDF : 67.6/22

+ sign 0.628 ± 0.167 χ^2/NDF : 1000.1/58

All: -0.528 ± 0.119 χ^2/NDF : 3747.6/118

- sign -1.709 ± 0.169 χ^2/NDF : 2651.0/59

diff_bpm0l07Y_rms vs Slug



Right In: 964.350+/-0.157 χ^2/NDF : 272813.8/33

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

Right Out: 960.236+/-0.154 χ^2/NDF : 292531.3/36

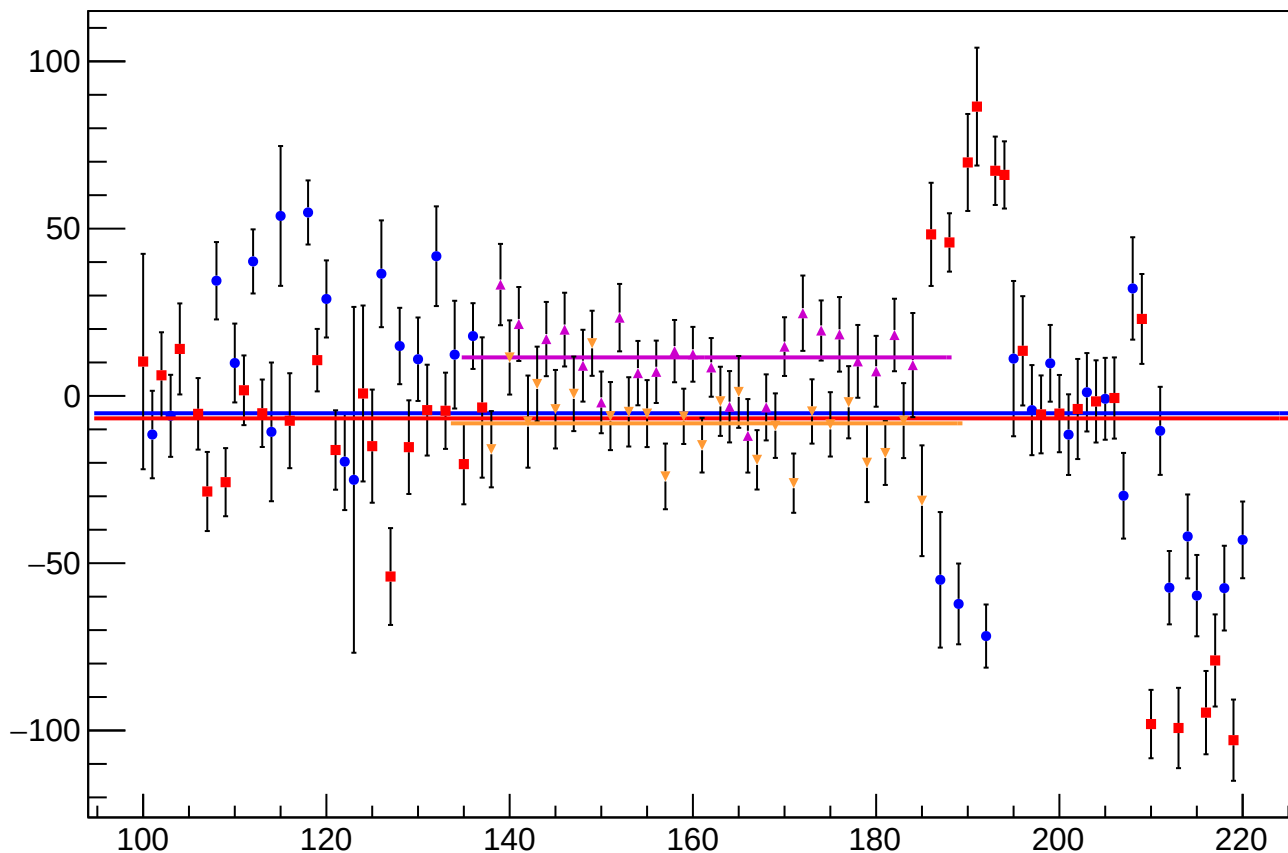
Left In: 1089.154+/-0.190 χ^2/NDF :1430478.5/22

+ sign 1007.158+/-0.118 χ^2/NDF : 2062745.2/58

All: 1009.232+/-0.084 χ^2/NDF : 4064236.5/11

- sign 1011.352+/-0.120 χ^2/NDF : 2000870.0/59

diff_bpm0l08X_mean vs Slug



Right In: -5.182 ± 2.178 χ^2/NDF : 291.6/33

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

Right Out: -6.713 ± 2.043 χ^2/NDF : 524.5/36

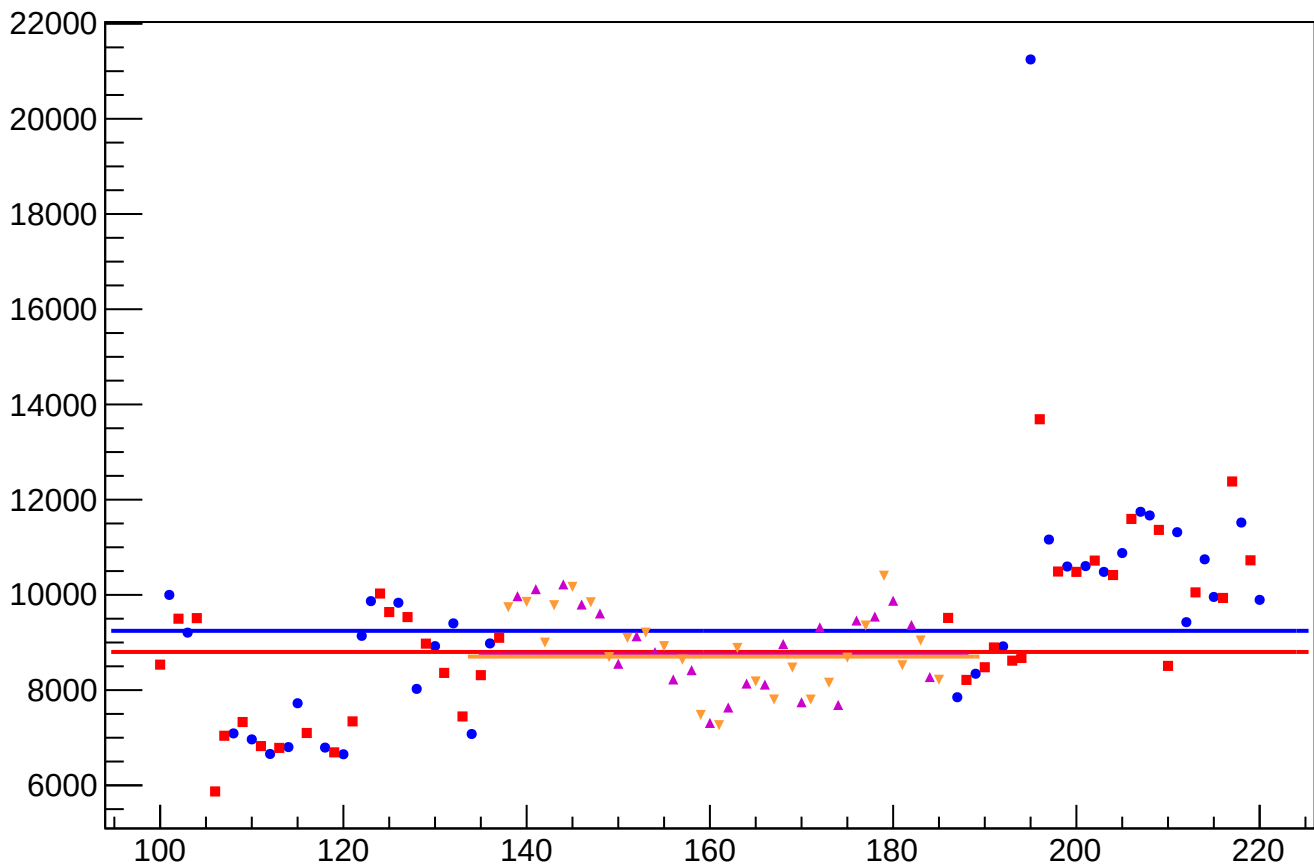
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -6.781 ± 1.492 χ^2/NDF : 318.7/58

All: -2.302 ± 1.048 χ^2/NDF : 920.3/118

- sign 2.054 ± 1.472 χ^2/NDF : 583.8/59

diff_bpm0l08X_rms vs Slug



Right In: 9245.171+/-1.540 χ^2/NDF : 1624982.8/33

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

Right Out: 8801.301+/-1.445 χ^2/NDF : 1360346.2/36

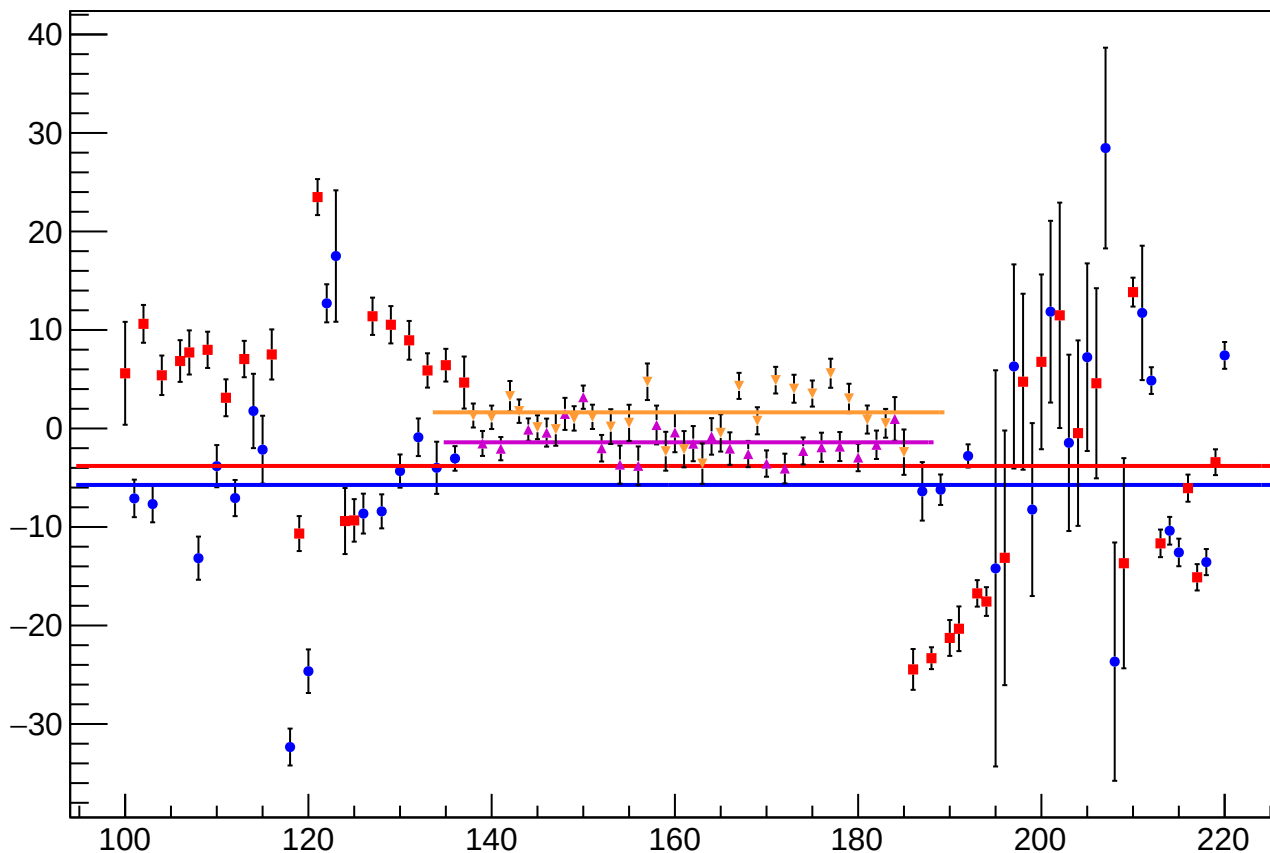
Left In: 8747.415+/-1.501 χ^2/NDF : 347110.4/22

+ sign 8958.115+/-1.055 χ^2/NDF : 2022806.6/58

All: 8865.490+/-0.741 χ^2/NDF : 3746132.5/11

- sign 8775.384+/-1.041 χ^2/NDF : 1708125.8/59

diff_bpm0l08Y_mean vs Slug



Right In: -5.732 ± 0.348 χ^2/NDF : 672.3/33

Left Out: 1.639 ± 0.294 χ^2/NDF : 51.3/24

Right Out: -3.804 ± 0.319 χ^2/NDF : 1723.4/36

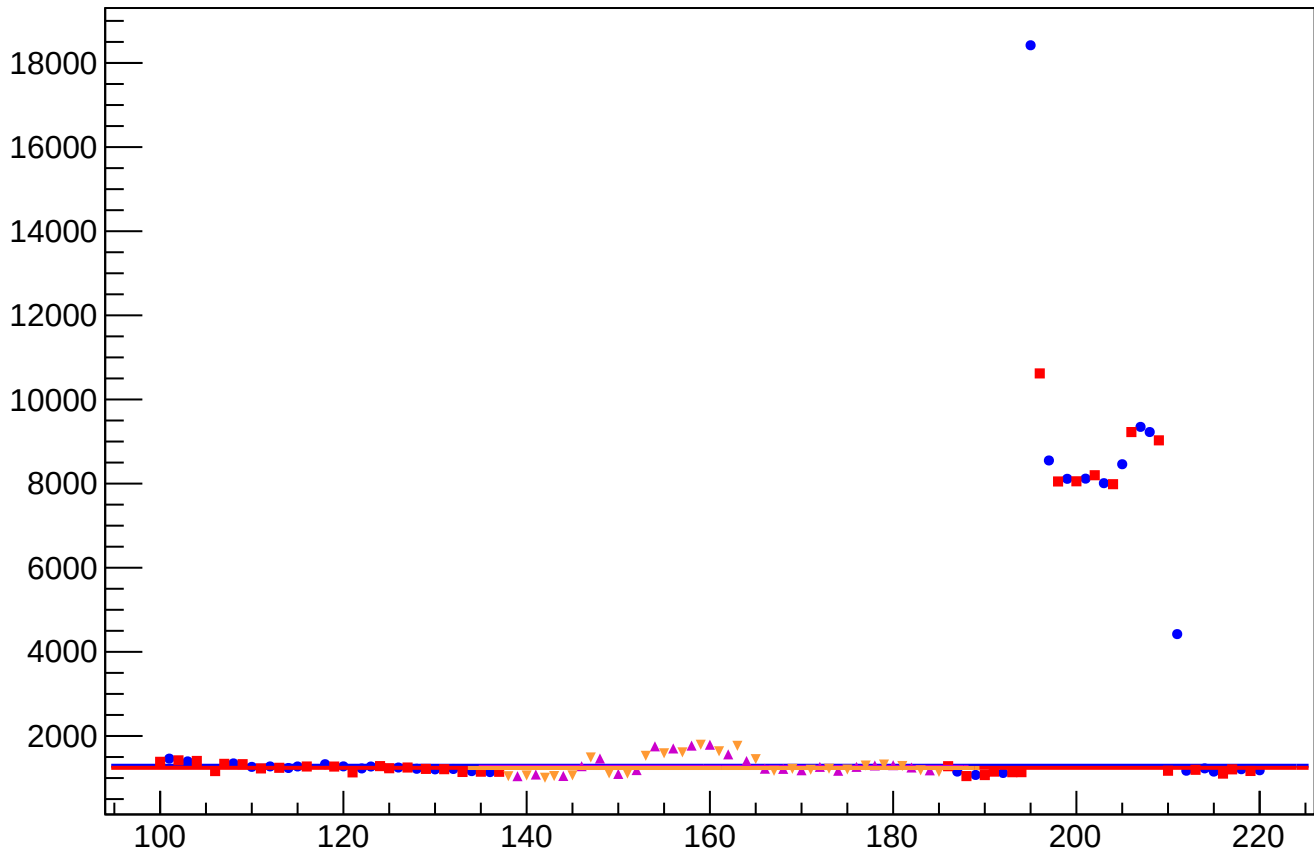
Left In: -1.404 ± 0.309 χ^2/NDF : 34.1/22

+ sign -1.421 ± 0.225 χ^2/NDF : 985.3/58

All: -2.001 ± 0.158 χ^2/NDF : 2785.3/118

- sign -2.568 ± 0.222 χ^2/NDF : 1786.8/59

diff_bpm0l08Y_rms vs Slug



Right In: 1292.416 $\pm$ 0.246 χ^2 /NDF: 9744911.2/33

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

Right Out: 1243.159 $\pm$ 0.225 χ^2 /NDF: 7800544.2/36

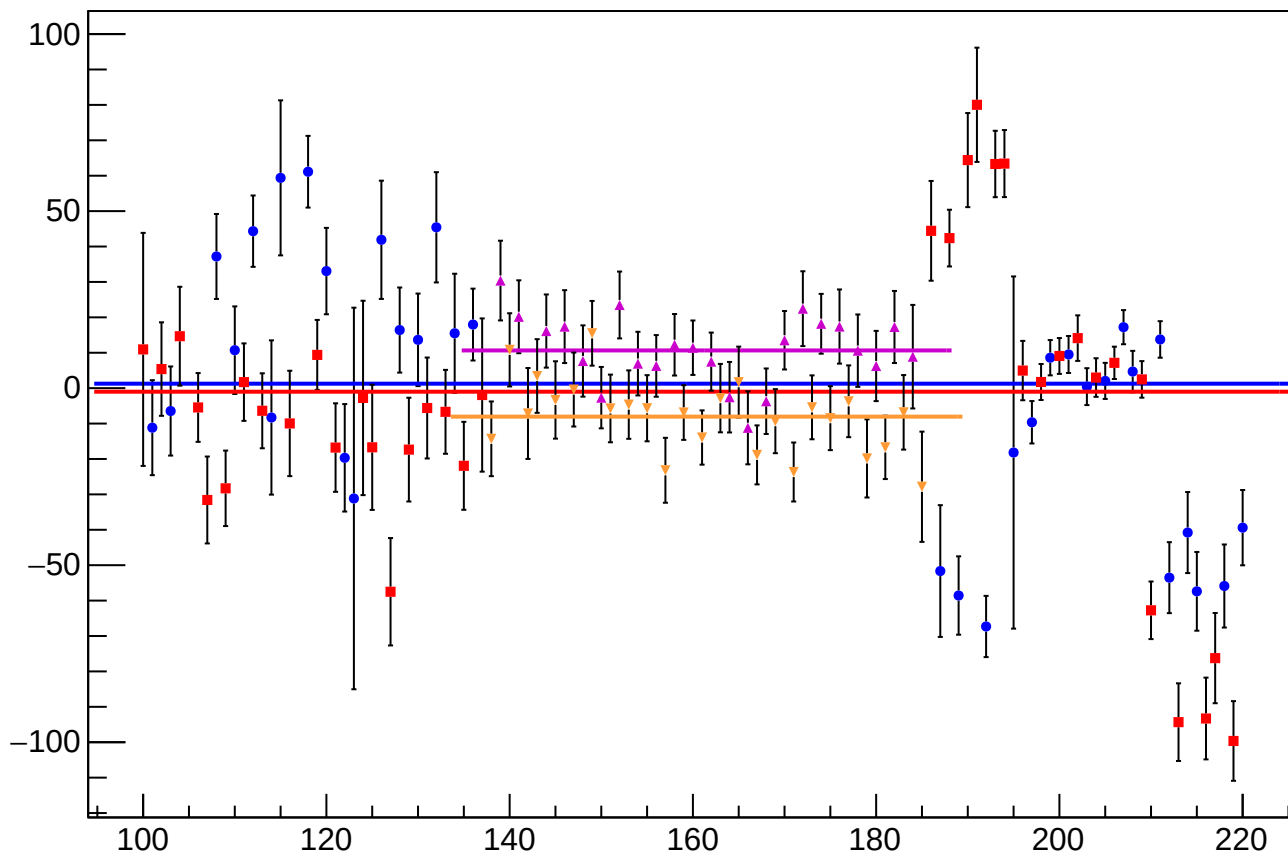
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1260.848 $\pm$ 0.159 χ^2 /NDF: 10738150.4/58

All: 1257.767 $\pm$ 0.112 χ^2 /NDF: 19389742.4/100

- sign 1254.761 $\pm$ 0.157 χ^2 /NDF: 8650848.1/59

diff_bpm0l09X_mean vs Slug



Right In: 1.263 ± 1.489 χ^2/NDF : 335.3/33

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

Right Out: -1.002 ± 1.502 χ^2/NDF : 539.9/36

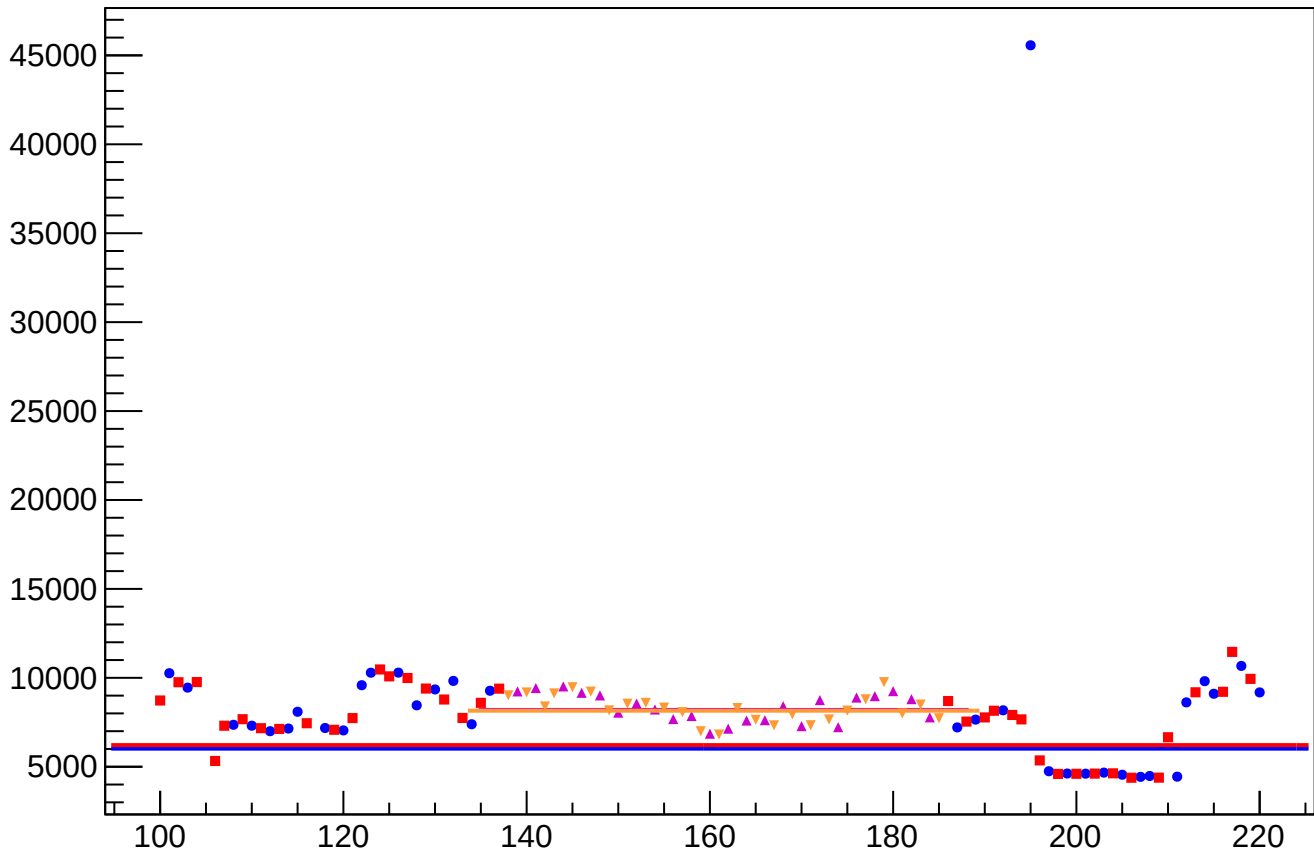
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign -2.237 ± 1.176 χ^2/NDF : 376.3/58

All: 0.448 ± 0.839 χ^2/NDF : 970.1/118

- sign 3.233 ± 1.198 χ^2/NDF : 583.2/59

diff_bpm0l09X_rms vs Slug



Right In: 6018.025+/-1.053 χ^2/NDF : 4957306.5/33

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

Right Out: 6217.218+/-1.062 χ^2/NDF : 3443295.2/36

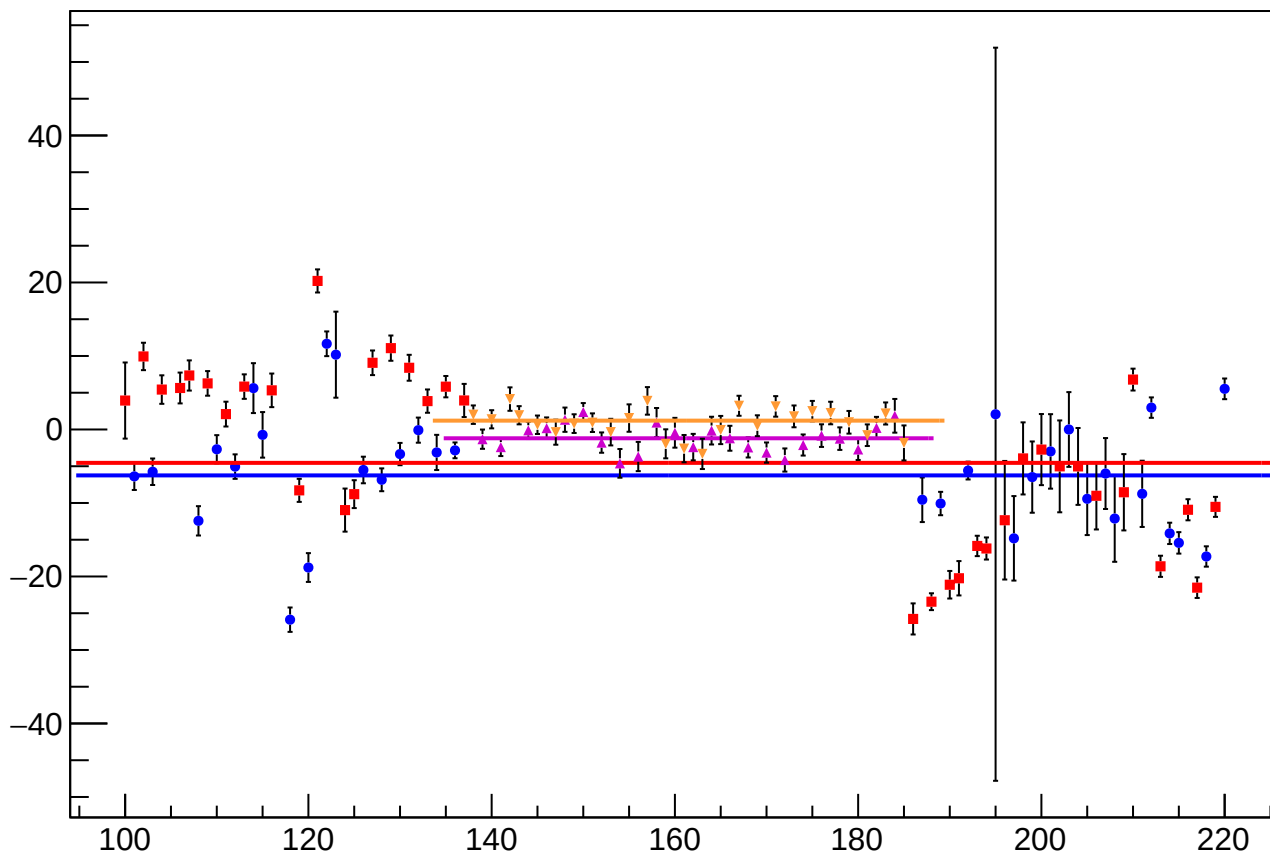
Left In: 8193.636+/-1.405 χ^2/NDF : 338377.6/22

+ sign 6820.452+/-0.832 χ^2/NDF : 6822725.6/58

All: 6876.896+/-0.594 χ^2/NDF : 11872730.8/118

- sign 6935.451+/-0.847 χ^2/NDF : 5040624.1/59

diff_bpm0l09Y_mean vs Slug



Right In: -6.248 ± 0.330 χ^2/NDF : 620.3/33

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

Right Out: -4.542 ± 0.305 χ^2/NDF : 1785.3/36

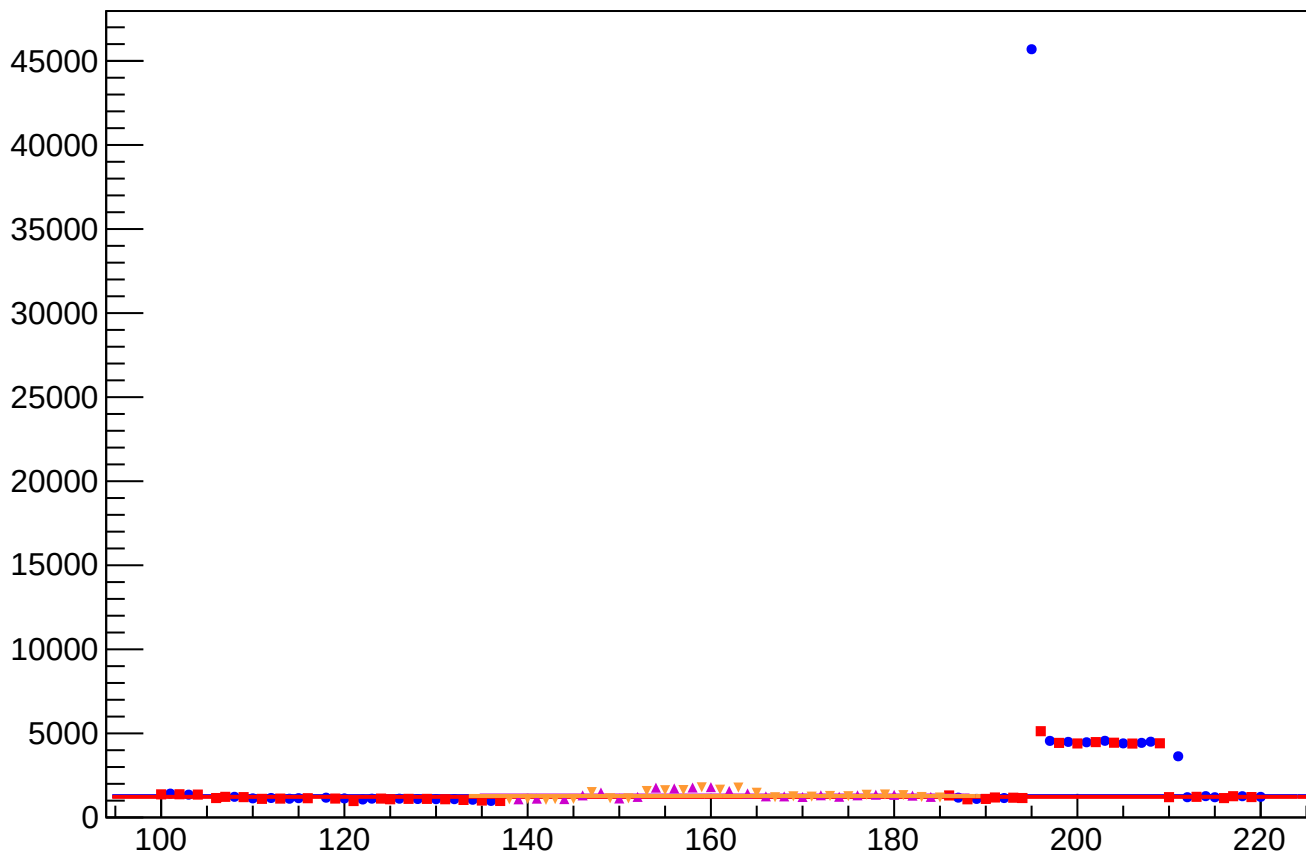
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -2.203 ± 0.223 χ^2/NDF : 927.8/58

All: -2.576 ± 0.157 χ^2/NDF : 2807.3/118

- sign -2.940 ± 0.220 χ^2/NDF : 1874.0/59

diff_bpm0l09Y_rms vs Slug



Right In: 1269.685 ± 0.233 $\chi^2/\text{NDF}: 7979752.5/33$

Left Out: 1277.916 ± 0.214 $\chi^2/\text{NDF}: 878127.9/24$

Right Out: 1225.419 ± 0.216 $\chi^2/\text{NDF}: 5508138.9/36$

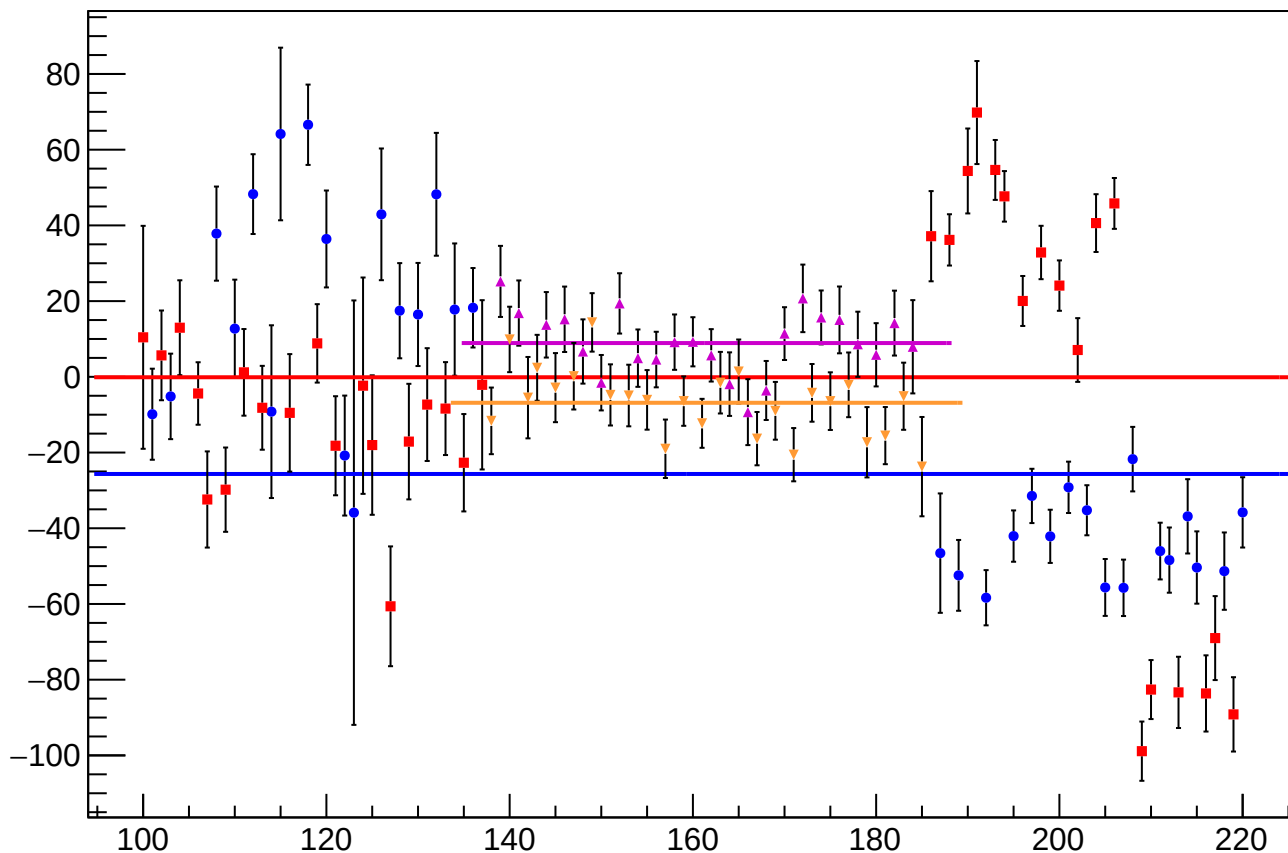
Left In: 1305.541 ± 0.225 $\chi^2/\text{NDF}: 760450.8/22$

+ sign 1274.153 ± 0.158 $\chi^2/\text{NDF}: 8858557.6/58$

All: 1268.922 ± 0.111 $\chi^2/\text{NDF}: 15195390.3/1$

- sign 1263.812 ± 0.156 $\chi^2/\text{NDF}: 6334653.5/59$

diff_bpm0l10X_mean vs Slug



Right In: -25.661 ± 1.680 χ^2/NDF : 392.4/33

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

Right Out: -0.113 ± 1.617 χ^2/NDF : 886.7/36

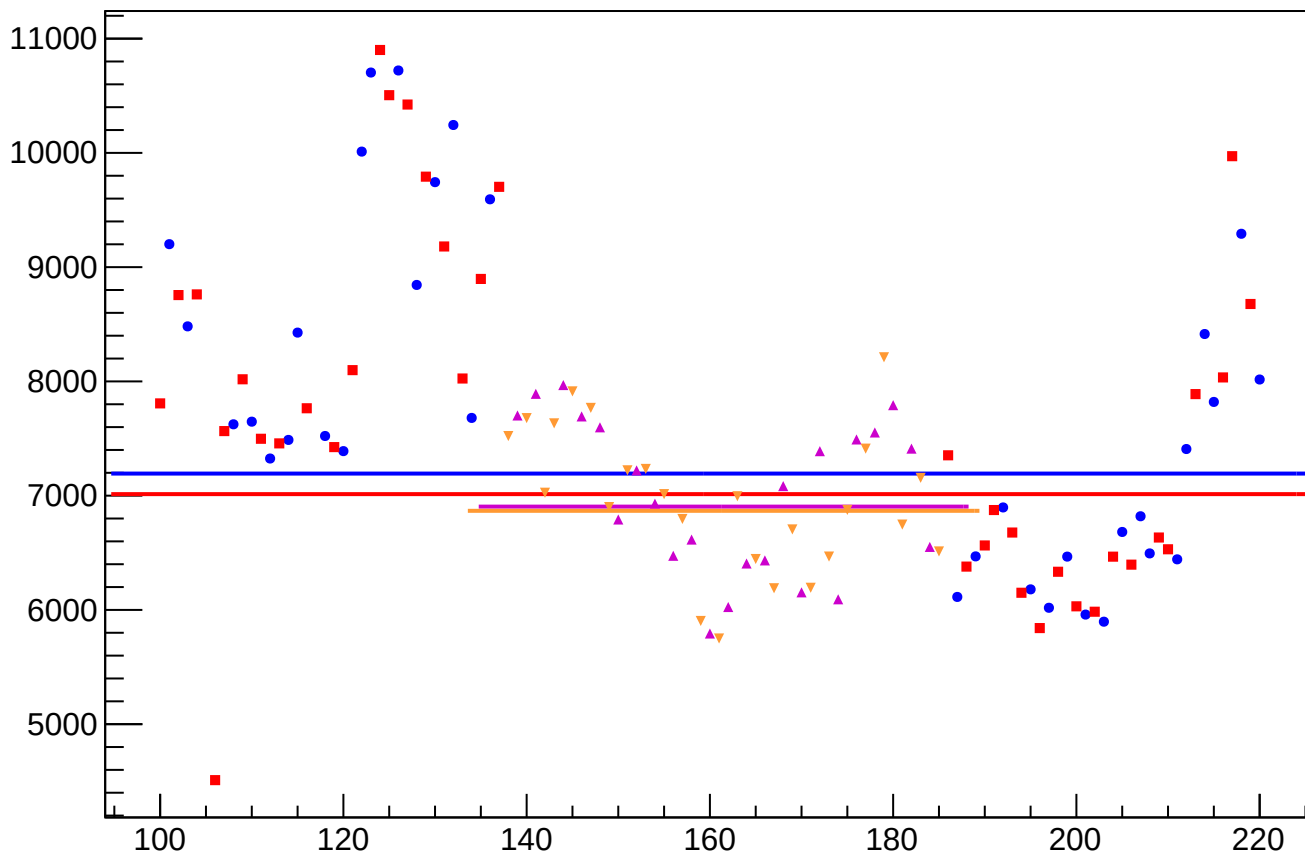
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -15.888 ± 1.165 χ^2/NDF : 486.1/58

All: -5.807 ± 0.823 χ^2/NDF : 1559.4/118

- sign 4.248 ± 1.163 χ^2/NDF : 923.6/59

diff_bpm0l10X_rms vs Slug



Right In: 7193.331 ± 1.188 χ^2/NDF : 1006681.9/33

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

Right Out: 7013.436 ± 1.143 χ^2/NDF : 1203857.6/36

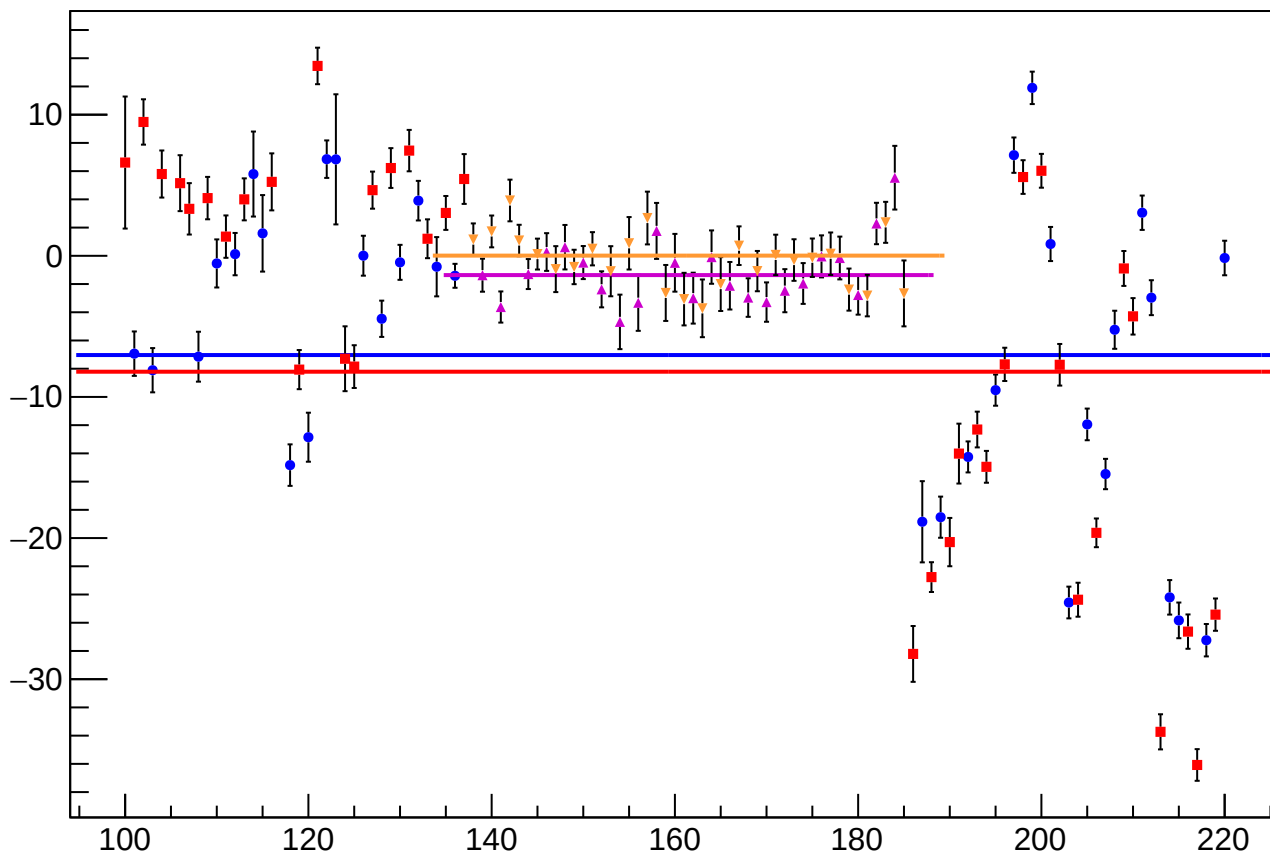
Left In: 6904.117 ± 1.184 χ^2/NDF : 325912.6/22

+ sign 7023.937 ± 0.824 χ^2/NDF : 1352684.2/58

All: 6992.268 ± 0.582 χ^2/NDF : 2889819.9/11

- sign 6960.681 ± 0.822 χ^2/NDF : 1534181.7/59

diff_bpm0l10Y_mean vs Slug



Right In: -7.031 ± 0.230 χ^2/NDF : 2127.6/33

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

Right Out: -8.212 ± 0.228 χ^2/NDF : 3810.0/36

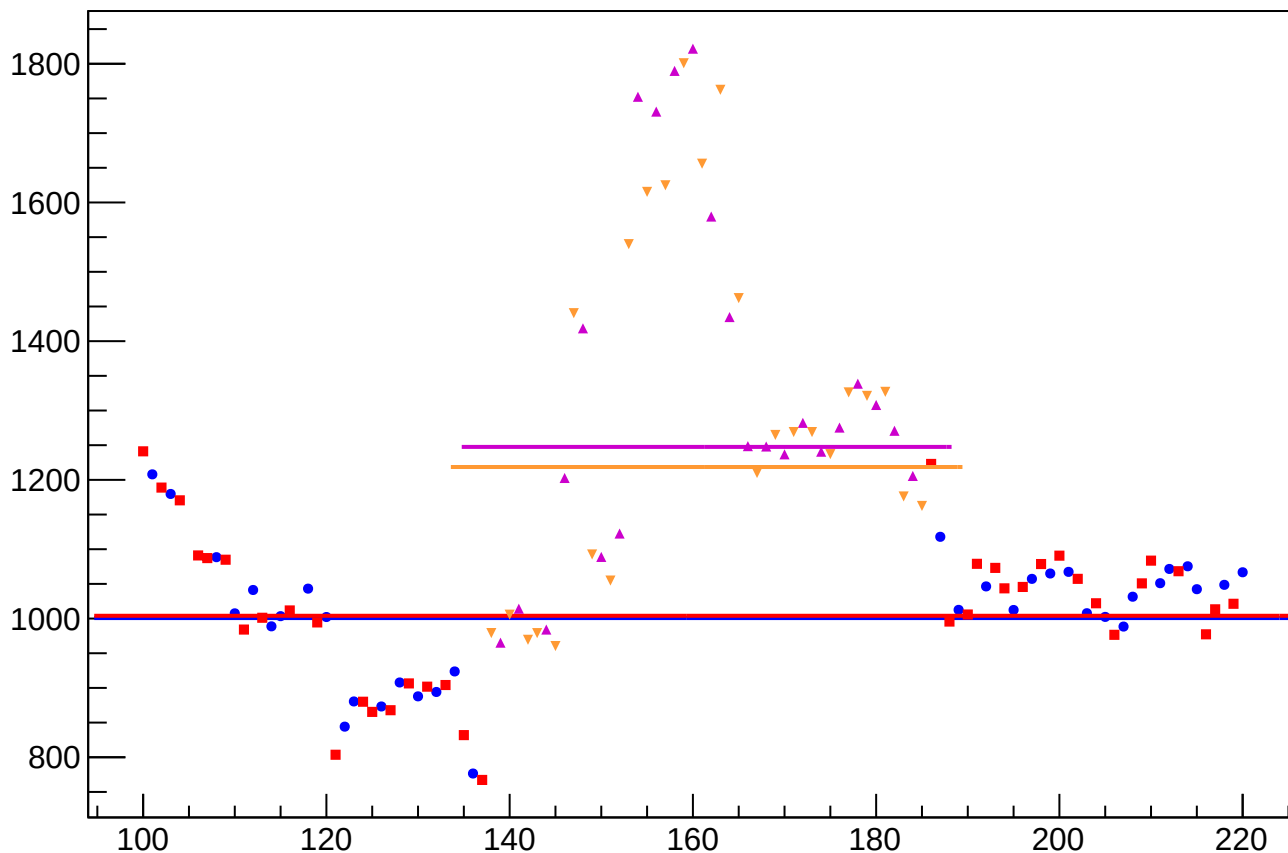
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -4.303 ± 0.180 χ^2/NDF : 2524.4/58

All: -5.025 ± 0.128 χ^2/NDF : 6728.1/118

- sign -5.765 ± 0.183 χ^2/NDF : 4171.2/59

diff_bpm0l10Y_rms vs Slug



Right In: 1000.713 $\pm$ 0.163 χ^2 /NDF: 349174.8/33

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

Right Out: 1004.033 $\pm$ 0.161 χ^2 /NDF: 342836.8/36

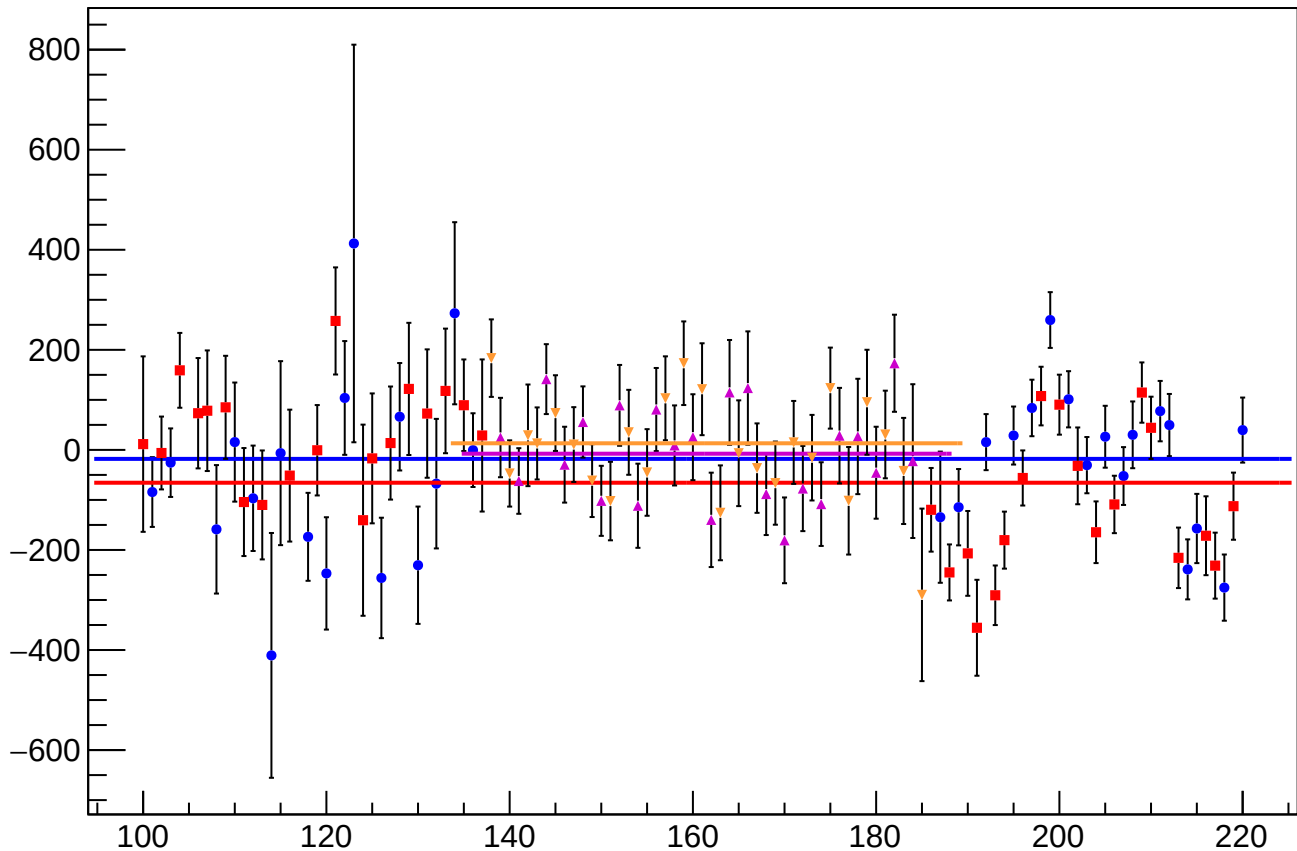
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1085.074 $\pm$ 0.128 χ^2 /NDF: 2306785.6/58

All: 1088.044 $\pm$ 0.091 χ^2 /NDF: 4540491.9/11

- sign 1091.088 $\pm$ 0.129 χ^2 /NDF: 2232609.1/59

diff_bpm0r03X_mean vs Slug



Right In: -17.965 ± 13.056 $\chi^2/\text{NDF}: 100.1/33$

Left Out: 13.207 ± 17.146 $\chi^2/\text{NDF}: 26.8/24$

Right Out: -65.631 ± 12.964 $\chi^2/\text{NDF}: 121.0/36$

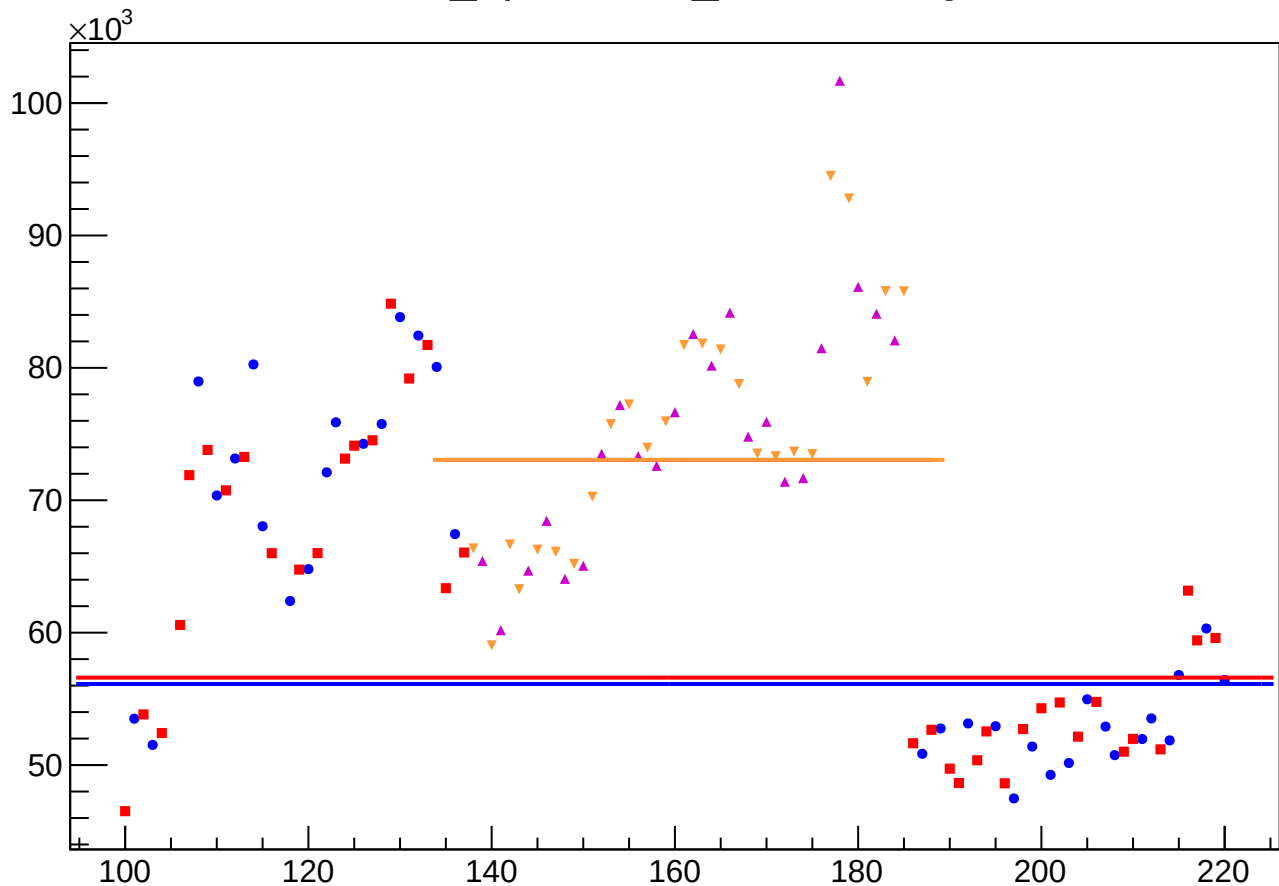
Left In: -7.618 ± 17.672 $\chi^2/\text{NDF}: 28.1/22$

+ sign -6.525 ± 10.387 $\chi^2/\text{NDF}: 129.0/58$

All: -25.807 ± 7.368 $\chi^2/\text{NDF}: 292.1/118$

- sign -45.333 ± 10.453 $\chi^2/\text{NDF}: 156.1/59$

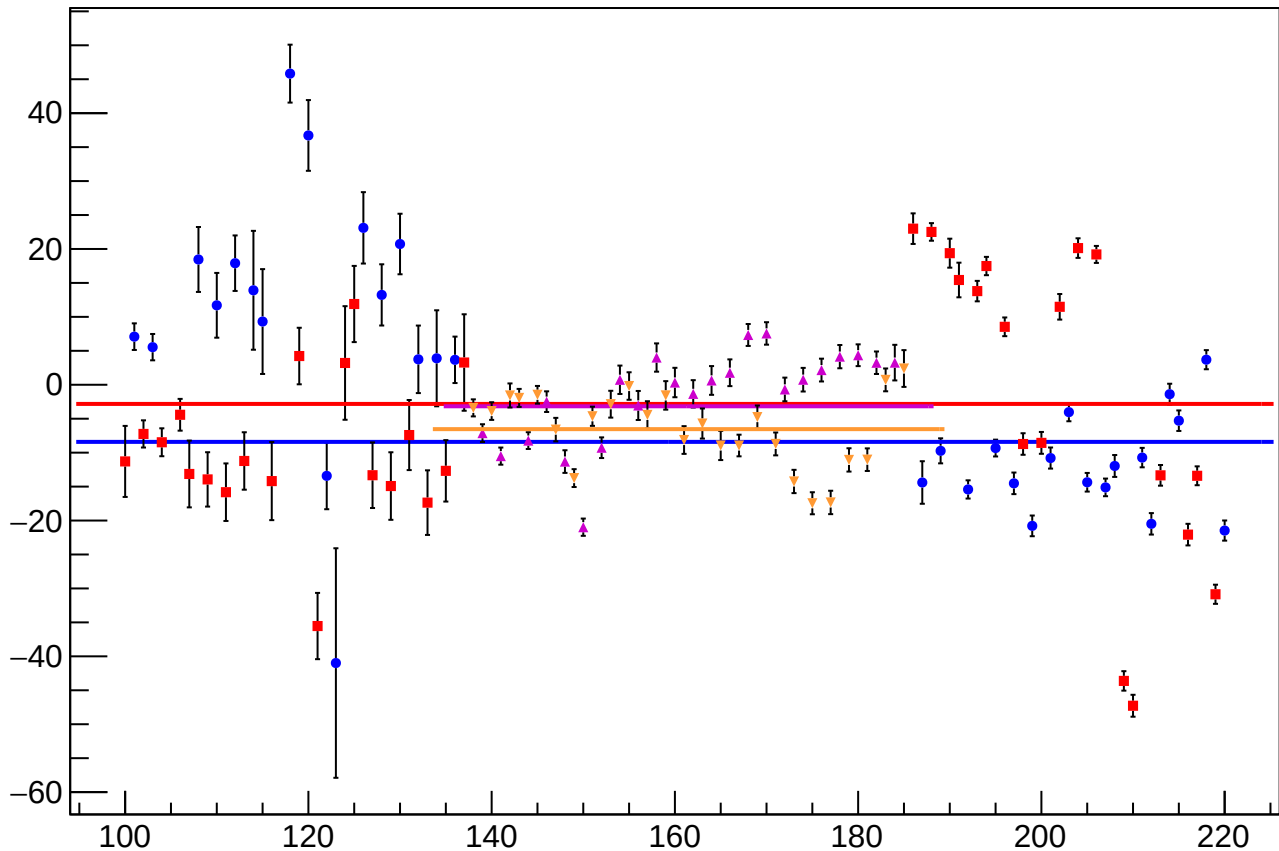
diff_bpm0r03X_rms vs Slug



Right In: 56122.871+/-9.232 χ^2/NDF : 822689.7/33
 Left Out: 73054.401+/-12.124 χ^2/NDF : 473050.9/24
 Right Out: 56603.921+/-9.167 χ^2/NDF : 794146.1/36
 Left In: 73045.500+/-12.496 χ^2/NDF : 463525.5/22

+ sign 62336.777+/-7.345 χ^2/NDF : 2530241.5/58
 All: 62346.614+/-5.210 χ^2/NDF : 4913443.7/1
 - sign 62356.576+/-7.391 χ^2/NDF : 2383198.6/59

diff_bpm0r03Y_mean vs Slug



Right In: -8.413 ± 0.338 $\chi^2/\text{NDF}: 994.6/33$

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

Right Out: -2.822 ± 0.335 $\chi^2/\text{NDF}: 4078.7/36$

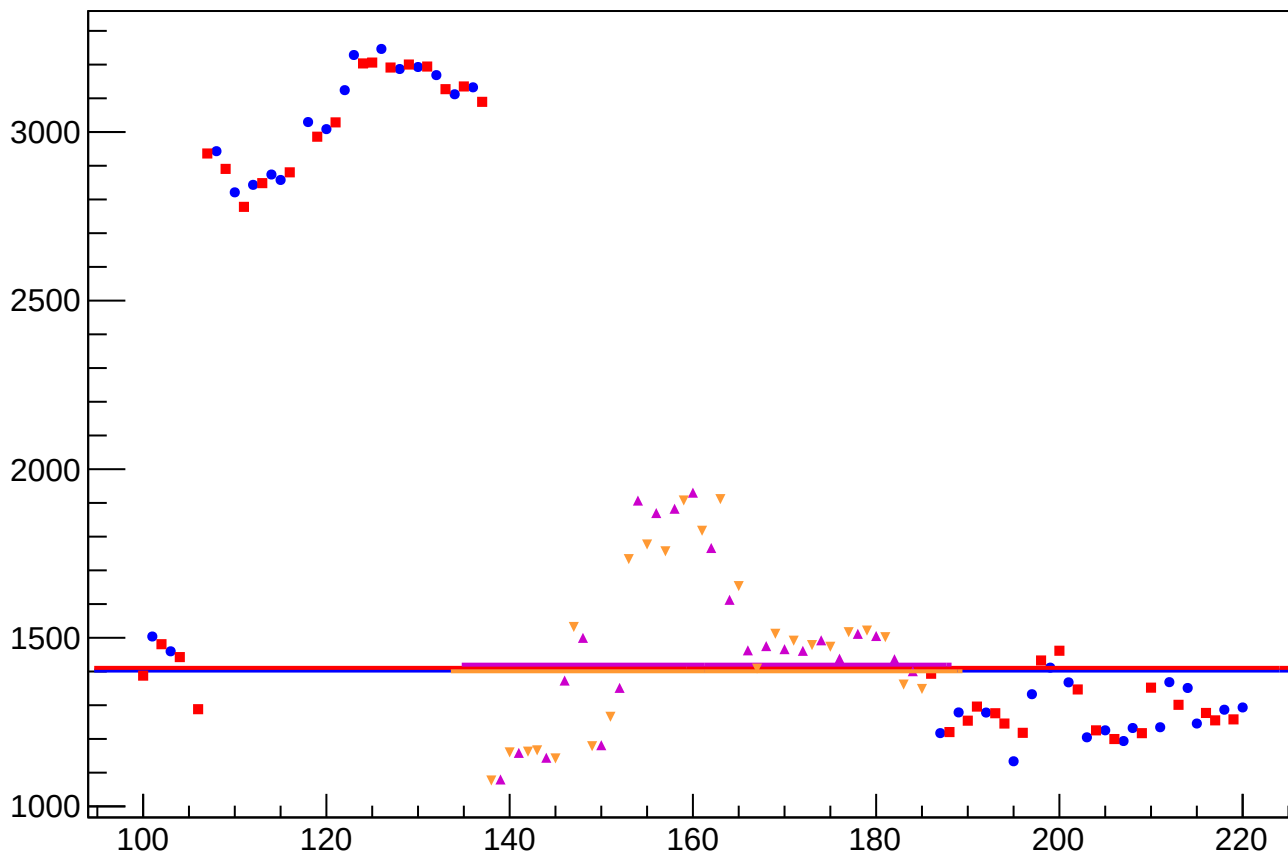
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -7.456 ± 0.237 $\chi^2/\text{NDF}: 1263.0/58$

All: -5.260 ± 0.169 $\chi^2/\text{NDF}: 6004.2/118$

- sign -2.991 ± 0.241 $\chi^2/\text{NDF}: 4566.5/59$

diff_bpm0r03Y_rms vs Slug



Right In: 1402.765 $\pm$ 0.239 χ^2 /NDF: 3639776.7/33

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

Right Out: 1410.806 $\pm$ 0.237 χ^2 /NDF: 3628459.6/36

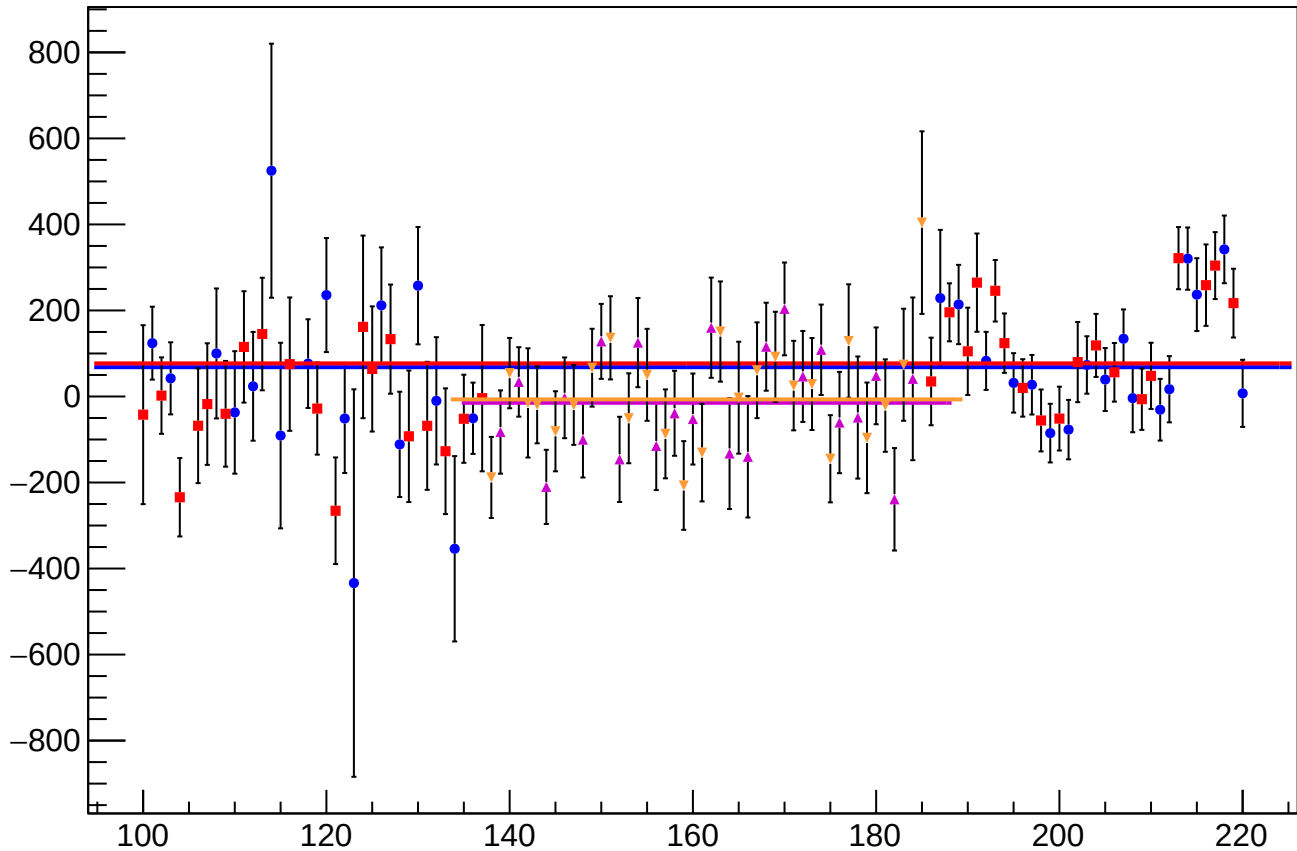
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF:905186.2/22

+ sign 1401.680 $\pm$ 0.168 χ^2 /NDF: 4677738.6/58

All: 1408.422 $\pm$ 0.119 χ^2 /NDF: 9215450.1/11

- sign 1415.385 $\pm$ 0.170 χ^2 /NDF: 4534419.6/59

diff_bpm0r05X_mean vs Slug



Right In: 68.078+/-15.614 χ^2/NDF : 66.1/33

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

Right Out: 76.981+/-15.520 χ^2/NDF : 78.4/36

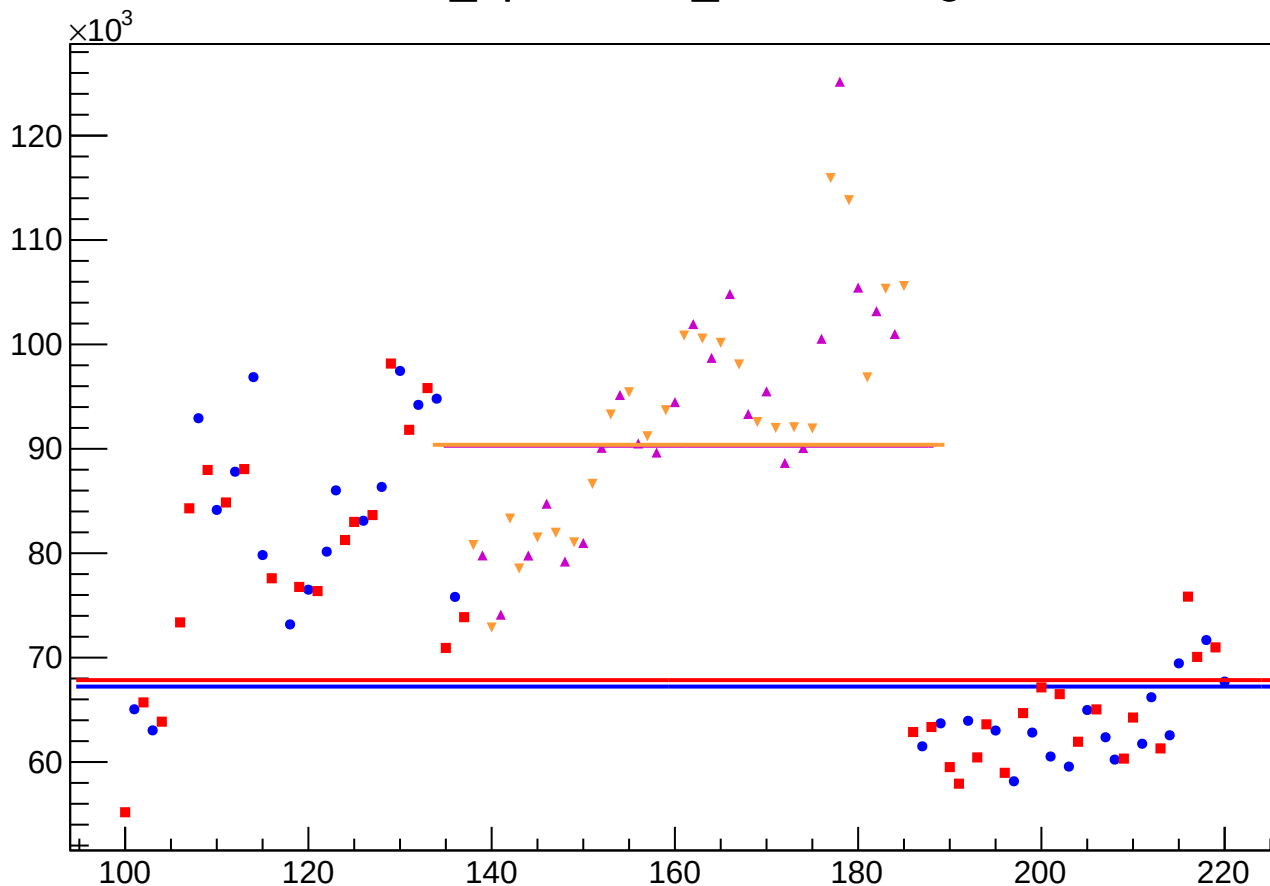
Left In: -14.611+/-21.846 χ^2/NDF : 29.8/22

+ sign 41.769+/-12.575 χ^2/NDF : 98.9/58

All: 44.001+/-8.919 χ^2/NDF : 218.8/118

- sign 46.261+/-12.652 χ^2/NDF : 119.9/59

diff_bpm0r05X_rms vs Slug



Right In: 67226.462 $\pm$ 11.041 χ^2 /NDF: 670109.5/33

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

Right Out: 67845.982 $\pm$ 10.974 χ^2 /NDF: 668308.2/36

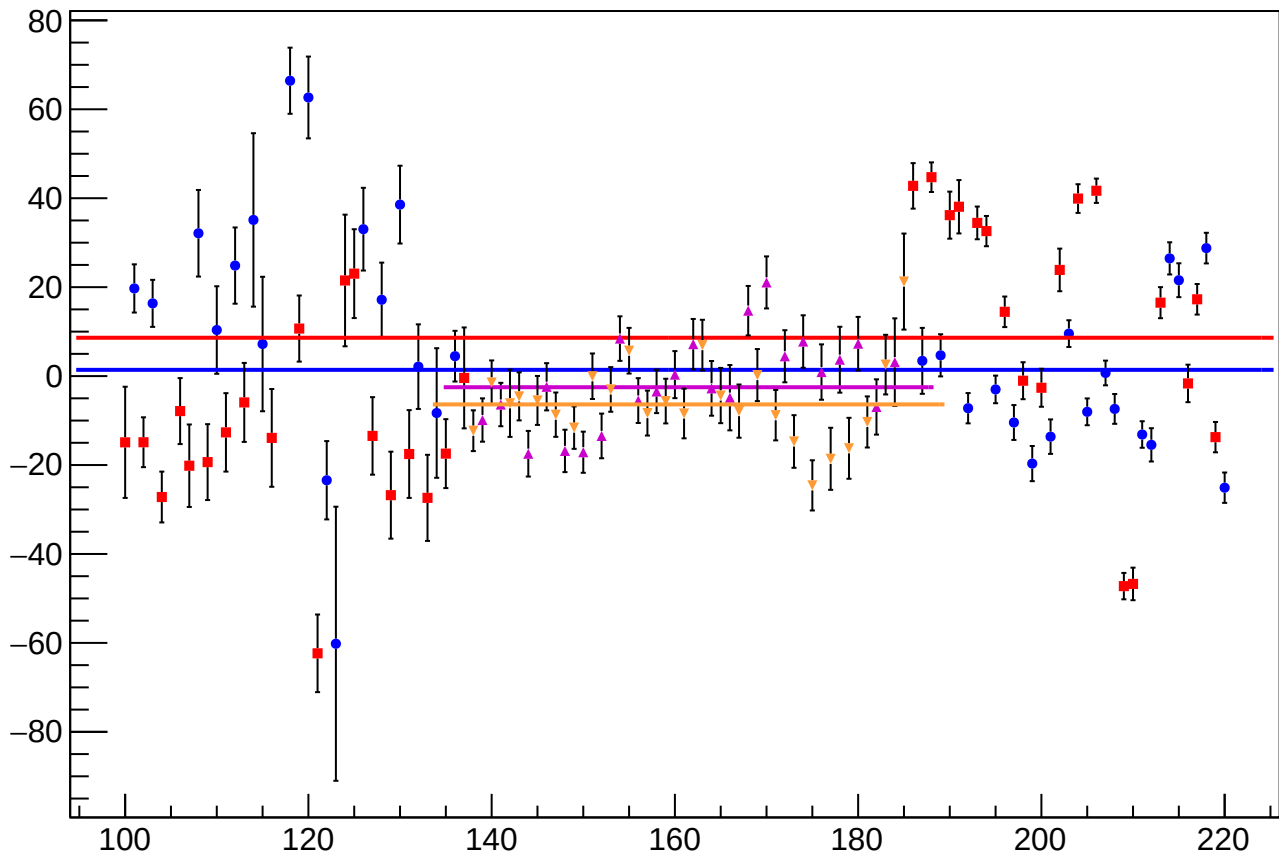
Left In: 90293.591 $\pm$ 15.448 χ^2 /NDF: 461337.5/22

+ sign 75364.563 $\pm$ 8.892 χ^2 /NDF: 2677749.5/58

All: 75369.803 $\pm$ 6.307 χ^2 /NDF: 5210778.1/100

- sign 75375.108 $\pm$ 8.946 χ^2 /NDF: 2533027.9/59

diff_bpm0r05Y_mean vs Slug



Right In: 1.407 ± 0.784 $\chi^2/\text{NDF}: 536.5/33$

Left Out: -6.370 ± 1.124 $\chi^2/\text{NDF}: 45.5/24$

Right Out: 8.624 ± 0.795 $\chi^2/\text{NDF}: 1440.6/36$

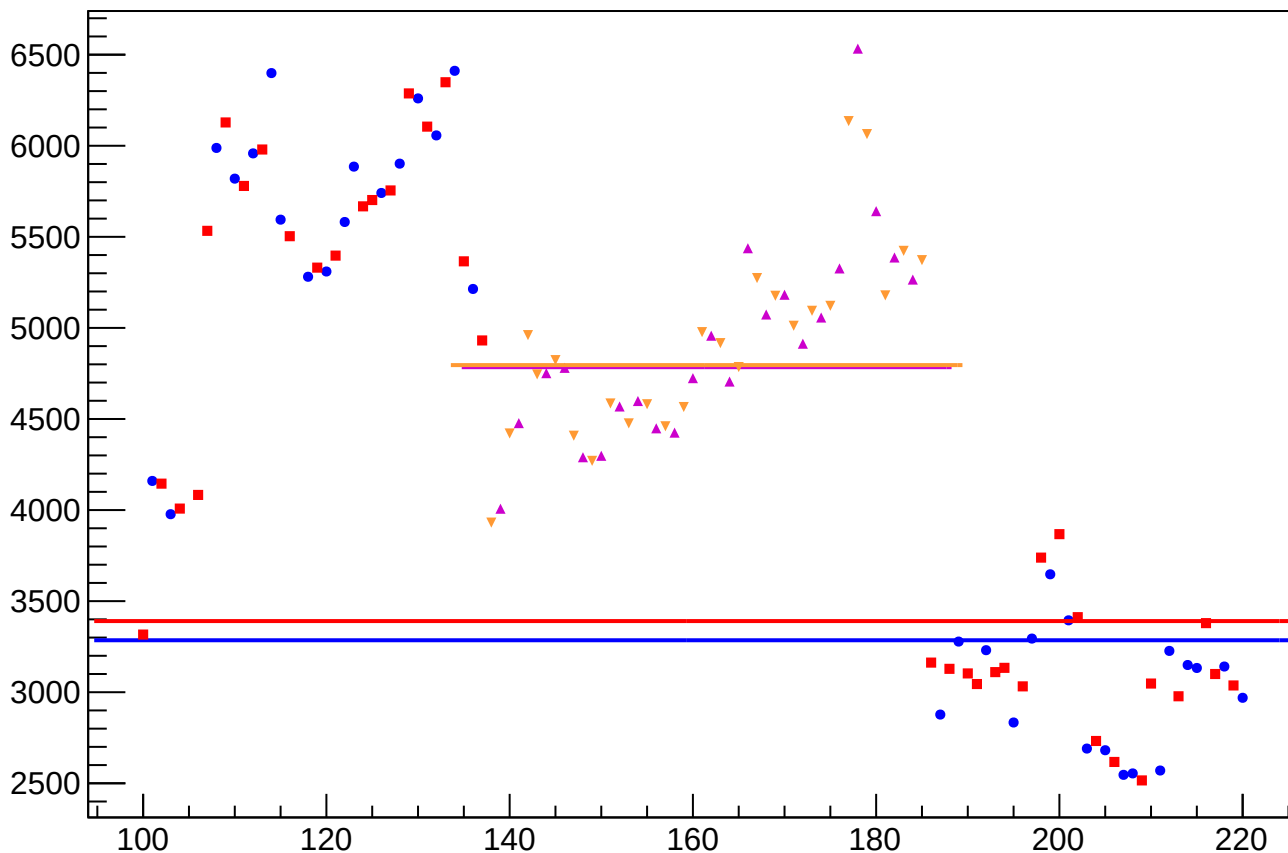
Left In: -2.501 ± 1.156 $\chi^2/\text{NDF}: 78.4/22$

+ sign -1.138 ± 0.643 $\chi^2/\text{NDF}: 614.2/58$

All: 1.897 ± 0.459 $\chi^2/\text{NDF}: 2241.5/118$

- sign 5.049 ± 0.655 $\chi^2/\text{NDF}: 1581.9/59$

diff_bpm0r05Y_rms vs Slug



Right In: 3285.235+/-0.554 χ^2/NDF : 2718068.3/33

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

Right Out: 3390.578+/-0.562 χ^2/NDF : 2614843.9/36

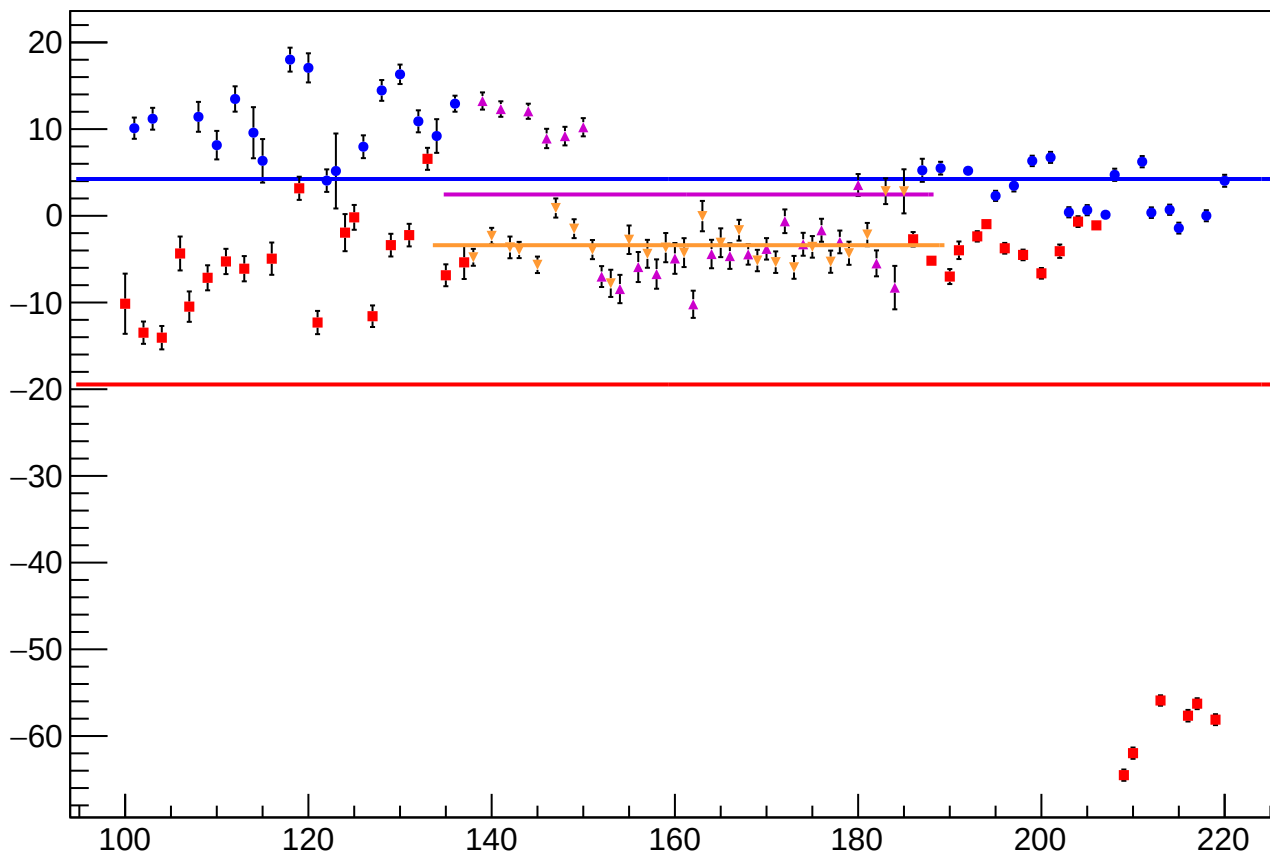
Left In: 4784.434+/-0.817 χ^2/NDF : 357507.2/22

+ sign 3779.684+/-0.455 χ^2/NDF : 5509929.2/58

All: 3808.515+/-0.325 χ^2/NDF : 10464152.2/100

- sign 3838.455+/-0.463 χ^2/NDF : 4946026.0/59

diff_bpm2i01X_mean vs Slug



Right In: 4.245 ± 0.140 χ^2/NDF : 987.2/33

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

Right Out: -19.453 ± 0.138 χ^2/NDF : 32775.5/36

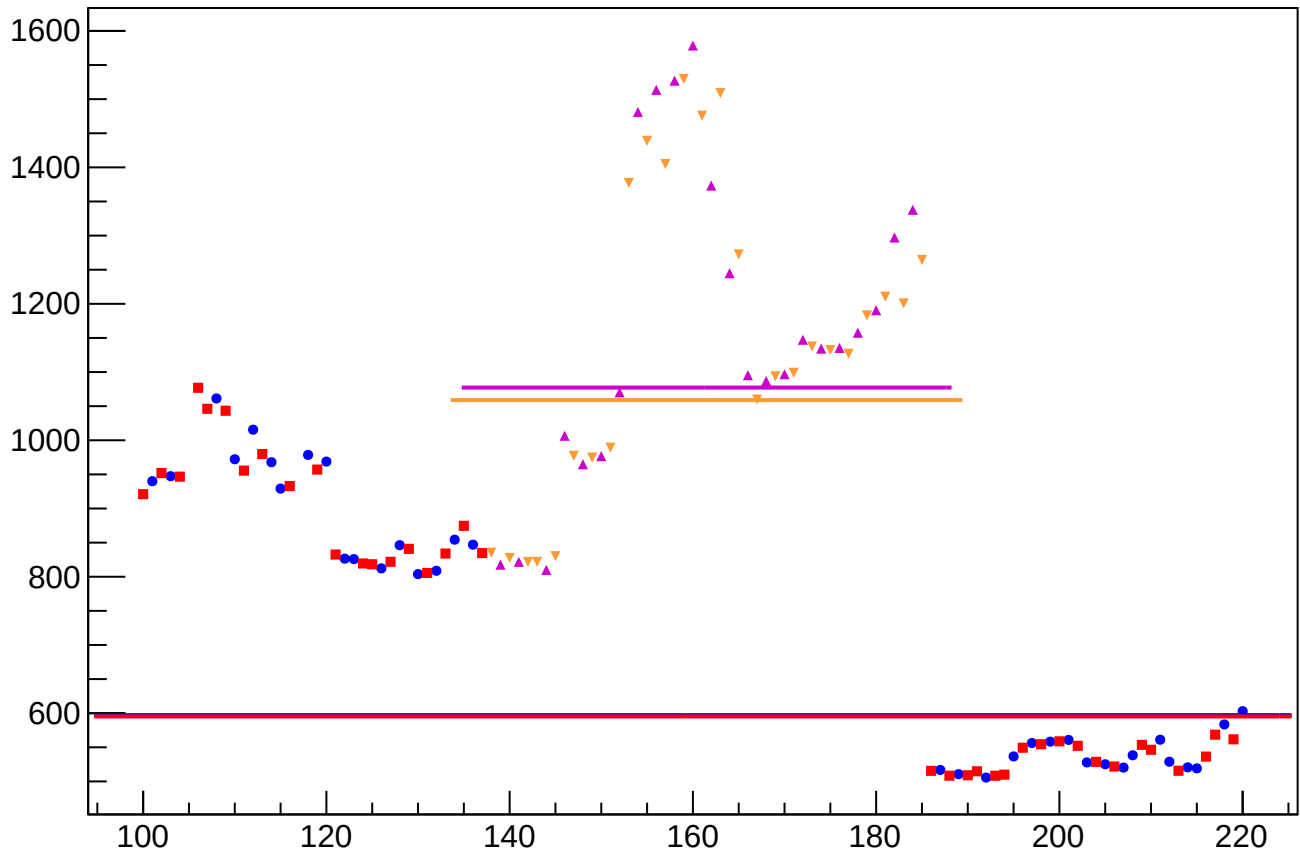
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.438 ± 0.123 χ^2/NDF : 1764.3/58

All: -6.170 ± 0.087 χ^2/NDF : 50689.5/118

- sign -14.748 ± 0.122 χ^2/NDF : 39099.5/59

diff_bpm2i01X_rms vs Slug



Right In: 597.134+/-0.099 χ^2/NDF : 1897076.3/33

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

Right Out: 595.214+/-0.098 χ^2/NDF : 2114119.3/36

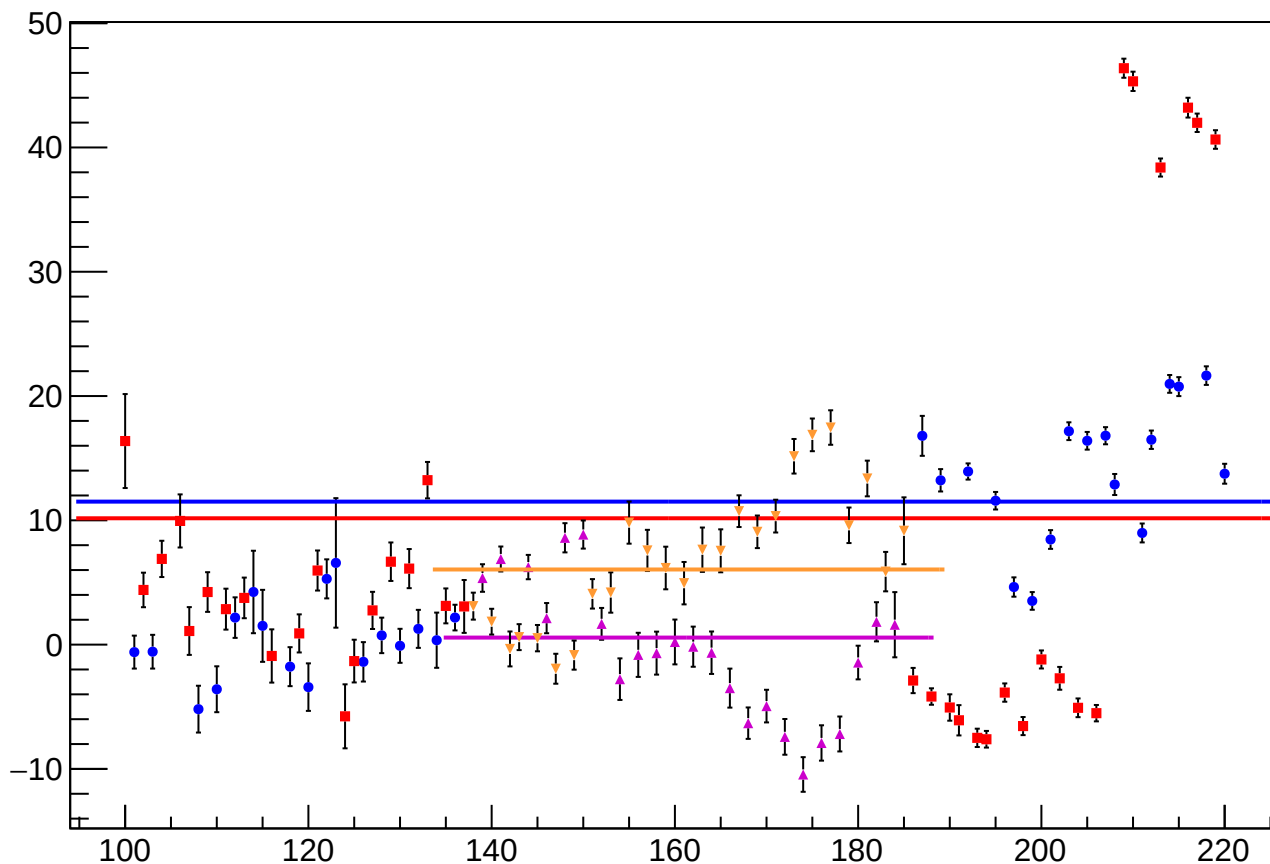
Left In: 1077.284+/-0.187 χ^2/NDF : 1280349.9/22

+ sign 706.410+/-0.087 χ^2/NDF : 8417259.9/58

All: 702.557+/-0.061 χ^2/NDF : 17038120.6/11

- sign 698.717+/-0.087 χ^2/NDF : 8616923.3/59

diff_bpm2i01Y_mean vs Slug



Right In: 11.506 $\pm$ 0.167 χ^2 /NDF: 1844.6/33

Left Out: 6.045 $\pm$ 0.272 χ^2 /NDF: 430.8/24

Right Out: 10.165 $\pm$ 0.165 χ^2 /NDF: 15936.6/36

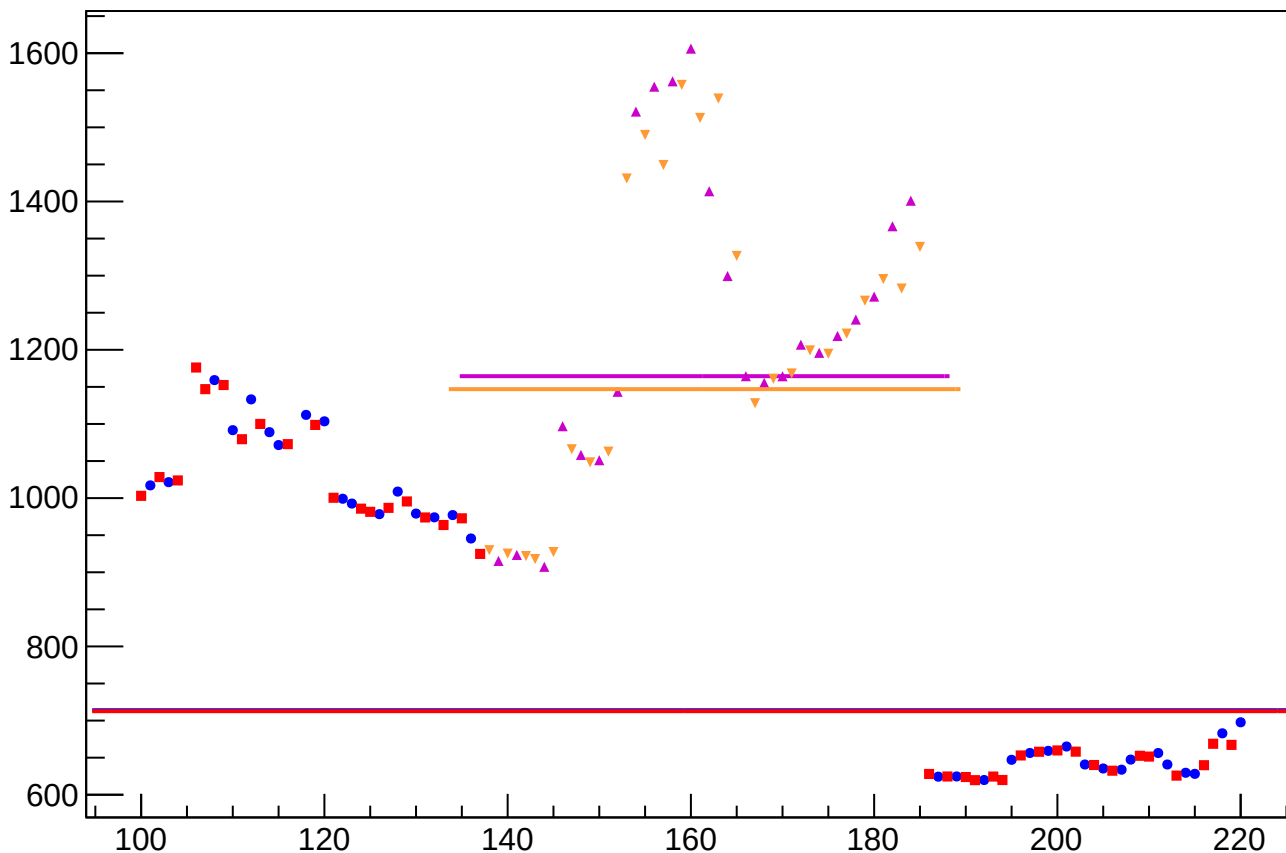
Left In: 0.566 $\pm$ 0.284 χ^2 /NDF: 417.0/22

+ sign 10.006 $\pm$ 0.142 χ^2 /NDF: 2568.5/58

All: 8.879 $\pm$ 0.101 χ^2 /NDF: 19901.7/118

- sign 7.751 $\pm$ 0.142 χ^2 /NDF: 17208.0/59

diff_bpm2i01Y_rms vs Slug



Right In: 713.990 $\pm$ 0.118 χ^2 /NDF: 1567414.6/33

Left Out: 1146.960 $\pm$ 0.192 χ^2 /NDF:1045761.4/24

Right Out: 712.688 $\pm$ 0.116 χ^2 /NDF: 1737170.0/36

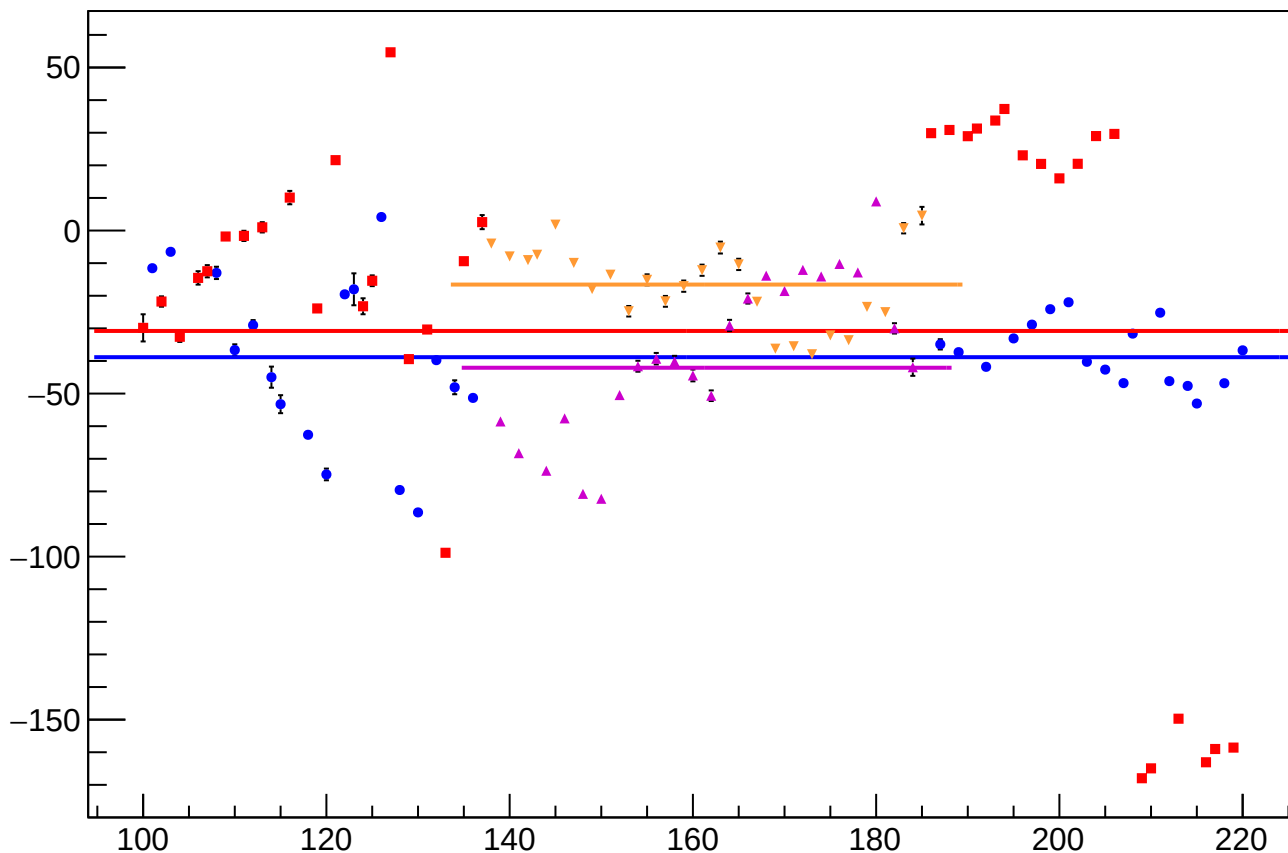
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF:944112.0/22

+ sign 832.929 $\pm$ 0.101 χ^2 /NDF: 6297620.1/58

All: 829.625 $\pm$ 0.071 χ^2 /NDF: 12765287.8/11

- sign 826.316 $\pm$ 0.101 χ^2 /NDF: 6465512.8/59

diff_bpm2i02X_mean vs Slug



Right In: -38.839 ± 0.166 χ^2/NDF : 7627.6/33

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

Right Out: -30.793 ± 0.163 χ^2/NDF : 250919.9/36

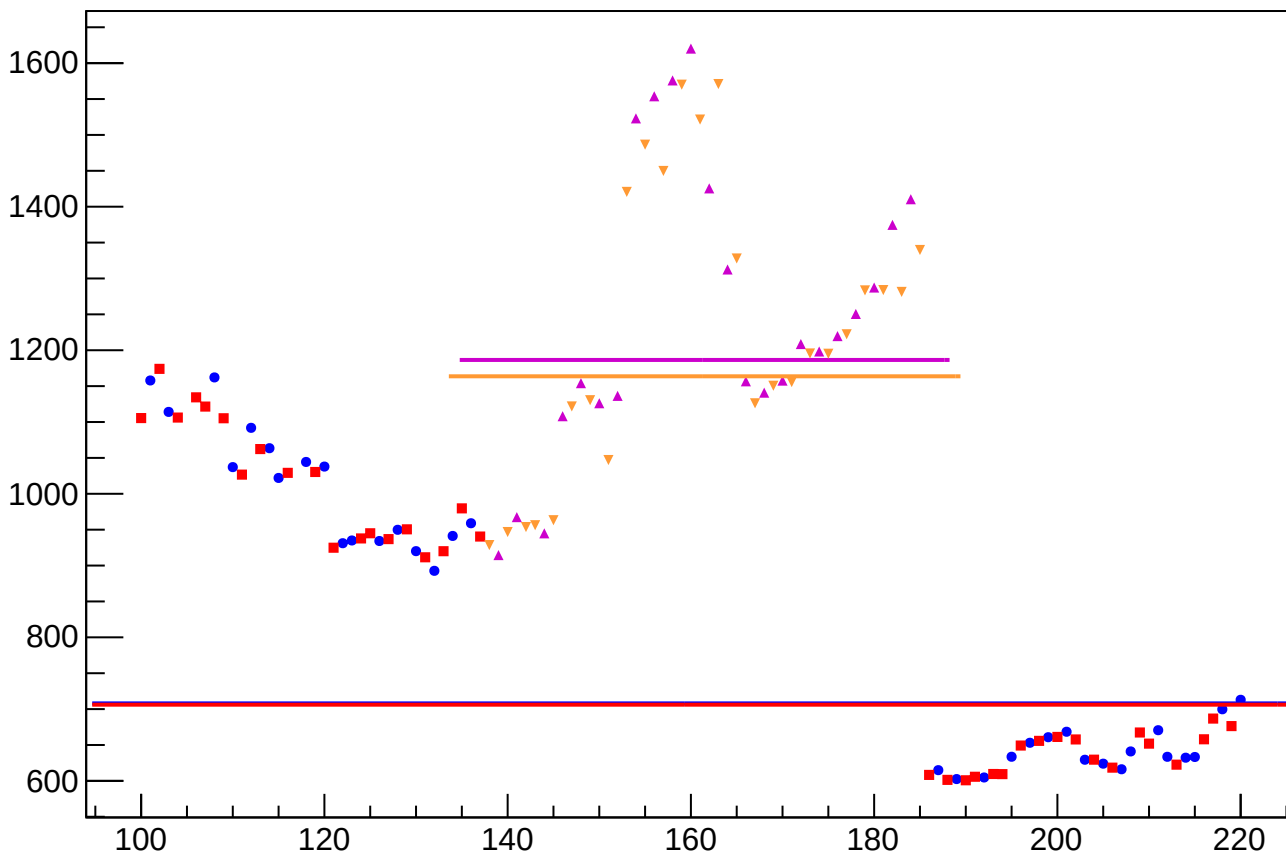
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -32.915 ± 0.142 χ^2/NDF : 14364.2/58

All: -33.216 ± 0.100 χ^2/NDF : 274781.0/118

- sign -33.517 ± 0.142 χ^2/NDF : 260407.9/59

diff_bpm2i02X_rms vs Slug



Right In: 707.954+/-0.117 χ^2/NDF : 1551357.6/33

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

Right Out: 706.171+/-0.115 χ^2/NDF : 1706613.1/36

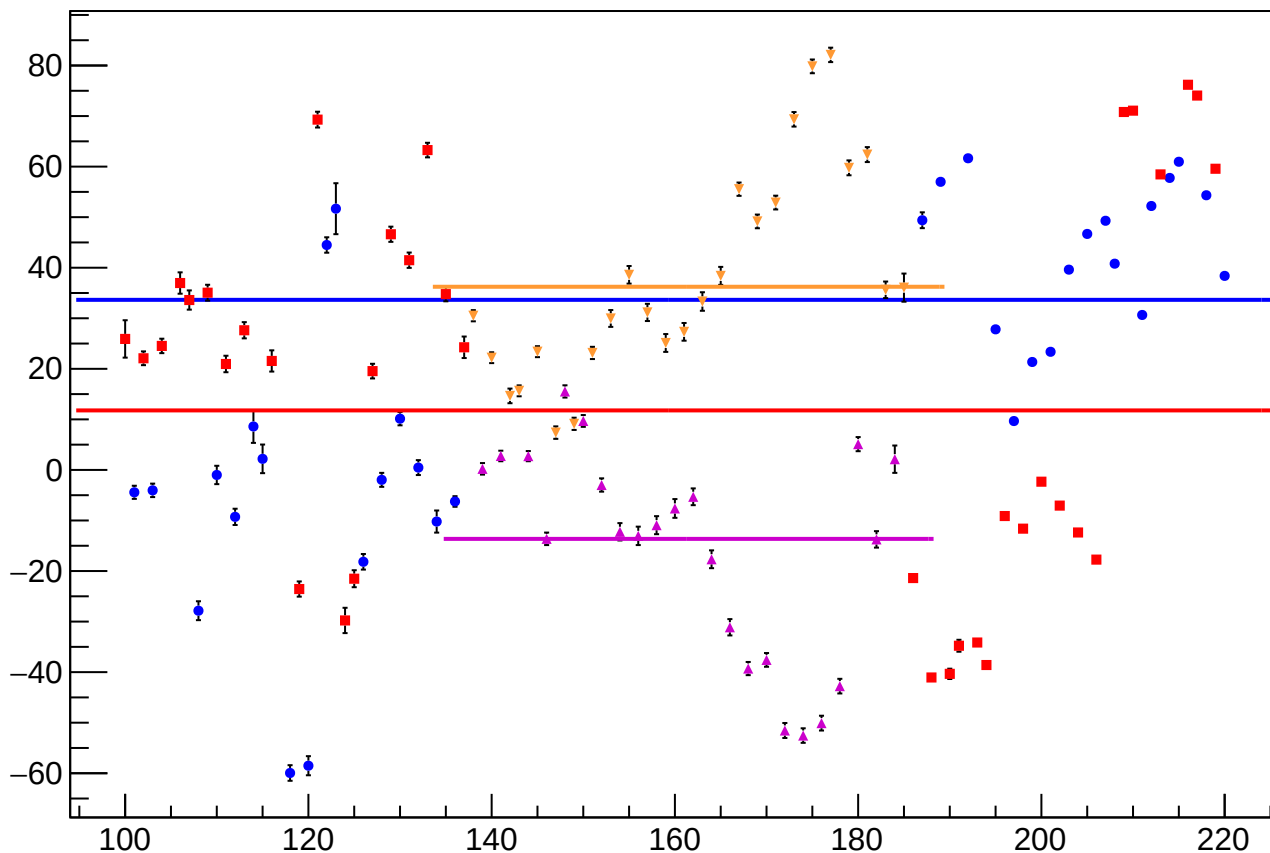
Left In: 1186.476+/-0.204 χ^2/NDF : 833420.3/22

+ sign 829.178+/-0.100 χ^2/NDF : 6511544.2/58

All: 825.659+/-0.071 χ^2/NDF : 13241800.9/11

- sign 822.135+/-0.100 χ^2/NDF : 6727796.8/59

diff_bpm2i02Y_mean vs Slug



Right In: 33.647 ± 0.163 $\chi^2/\text{NDF}: 24068.7/33$

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

Right Out: 11.773 ± 0.161 $\chi^2/\text{NDF}: 69179.4/36$

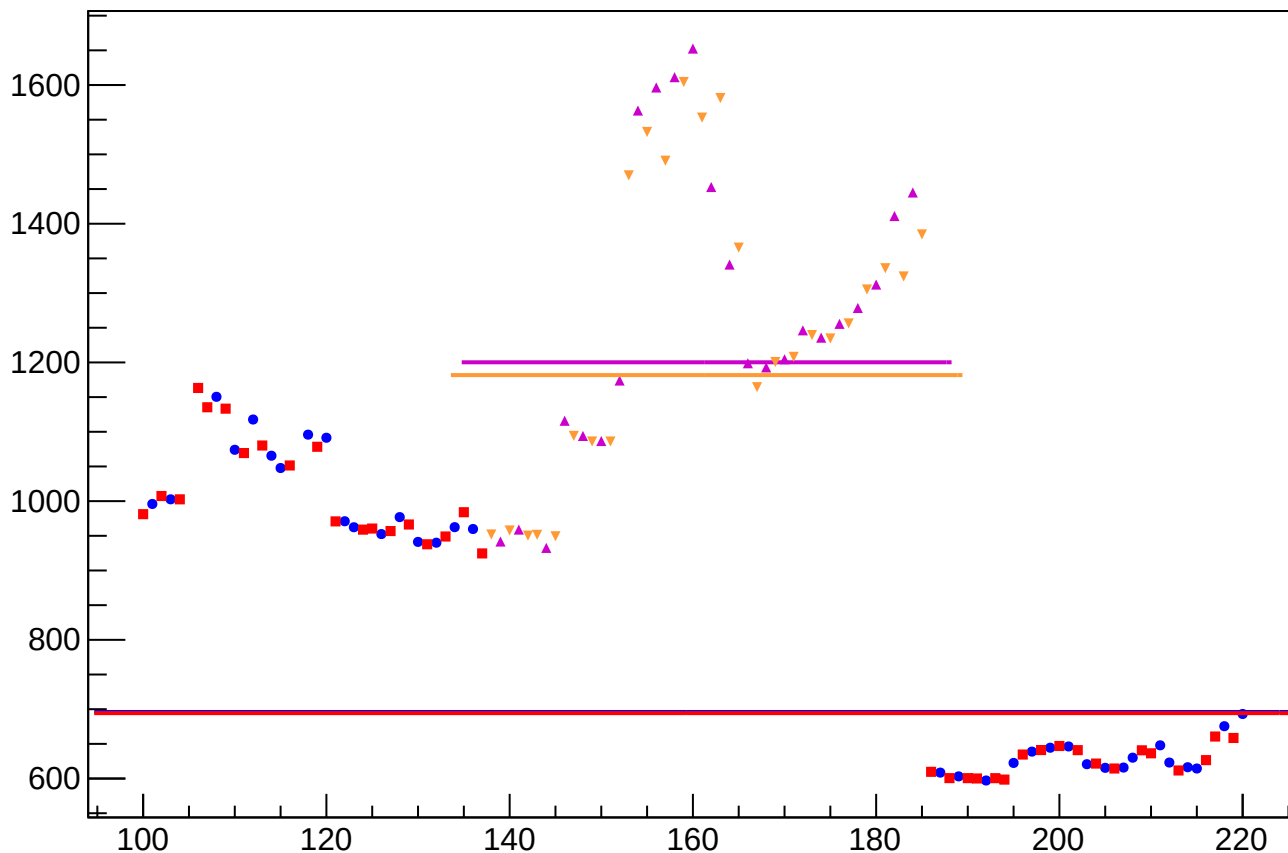
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 34.303 ± 0.141 $\chi^2/\text{NDF}: 29926.7/58$

All: 20.088 ± 0.100 $\chi^2/\text{NDF}: 130413.7/118$

- sign 5.898 ± 0.141 $\chi^2/\text{NDF}: 80149.2/59$

diff_bpm2i02Y_rms vs Slug



Right In: 695.981 $\pm$ 0.115 χ^2 /NDF: 1628893.4/33

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

Right Out: 694.315 $\pm$ 0.114 χ^2 /NDF: 1801500.5/36

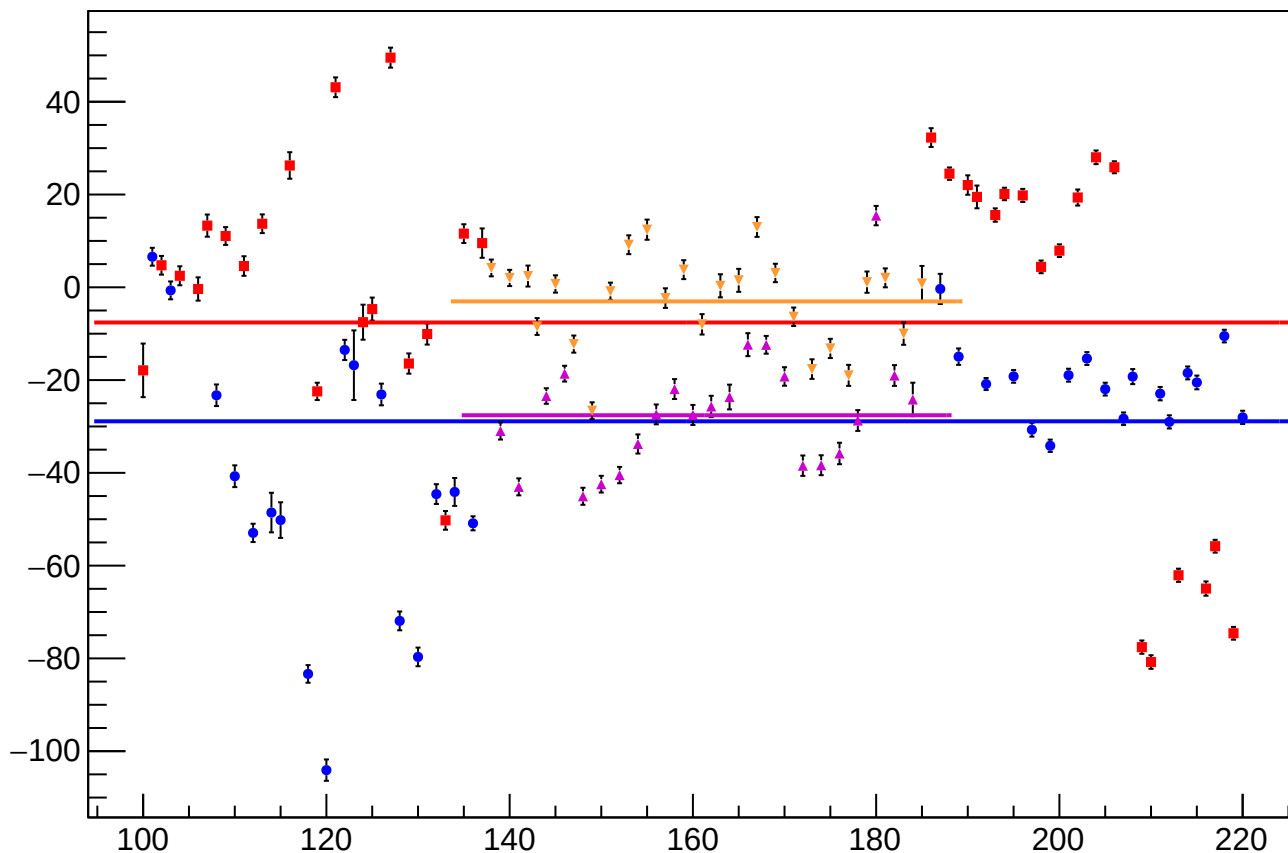
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 819.092 $\pm$ 0.100 χ^2 /NDF: 7170162.3/58

All: 815.174 $\pm$ 0.070 χ^2 /NDF: 14503223.7/1

- sign 811.263 $\pm$ 0.100 χ^2 /NDF: 7329971.5/59

diff_bpm0i02X_mean vs Slug



Right In: -28.888 ± 0.296 $\chi^2/\text{NDF}: 4854.5/33$

Left Out: -3.037 ± 0.415 $\chi^2/\text{NDF}: 555.6/24$

Right Out: -7.584 ± 0.292 $\chi^2/\text{NDF}: 17778.4/36$

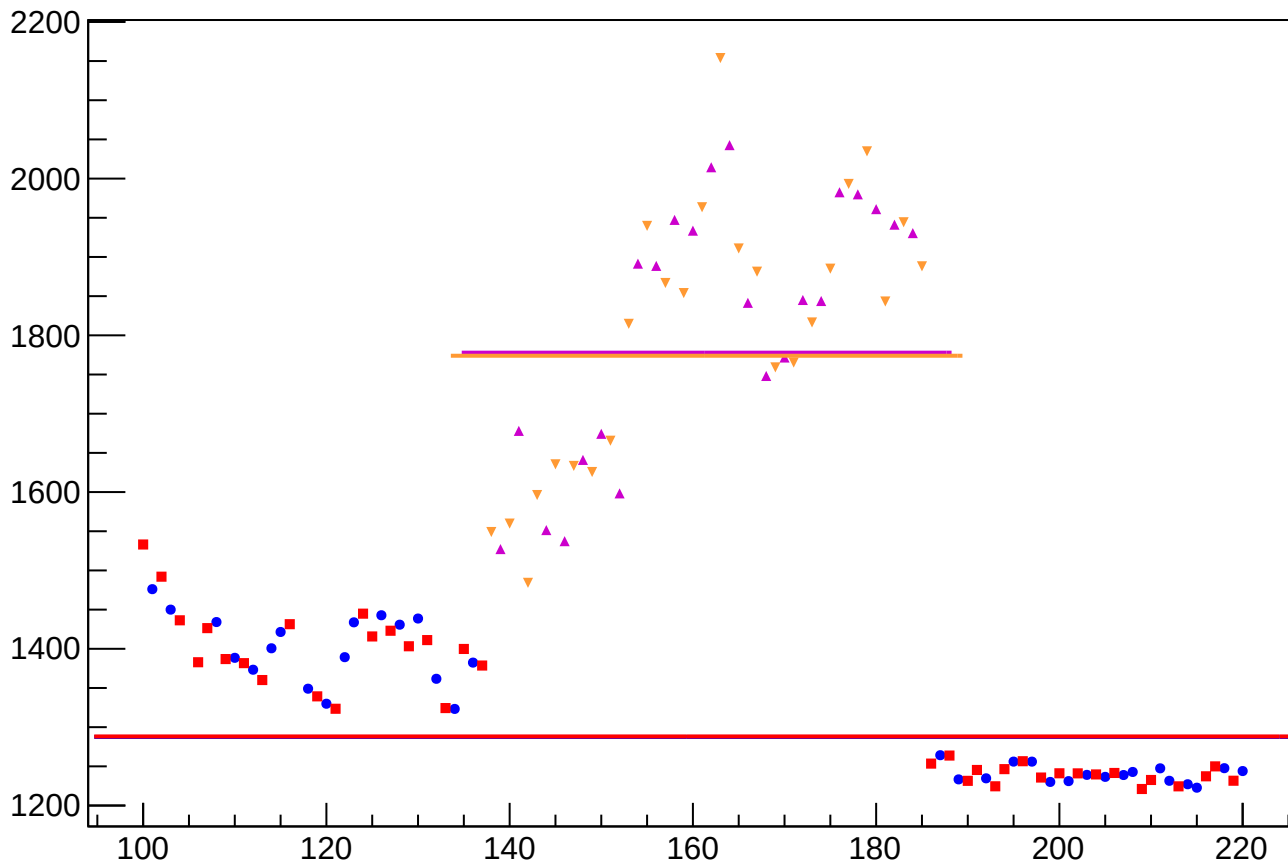
Left In: -27.583 ± 0.429 $\chi^2/\text{NDF}: 960.1/22$

+ sign -20.188 ± 0.241 $\chi^2/\text{NDF}: 7983.5/58$

All: -17.049 ± 0.170 $\chi^2/\text{NDF}: 28549.0/118$

- sign -13.901 ± 0.241 $\chi^2/\text{NDF}: 20225.1/59$

diff_bpm0i02X_rms vs Slug



Right In: 1287.513 $\pm$ 0.209 χ^2 /NDF: 140606.4/33

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

Right Out: 1288.151 $\pm$ 0.206 χ^2 /NDF: 139229.1/36

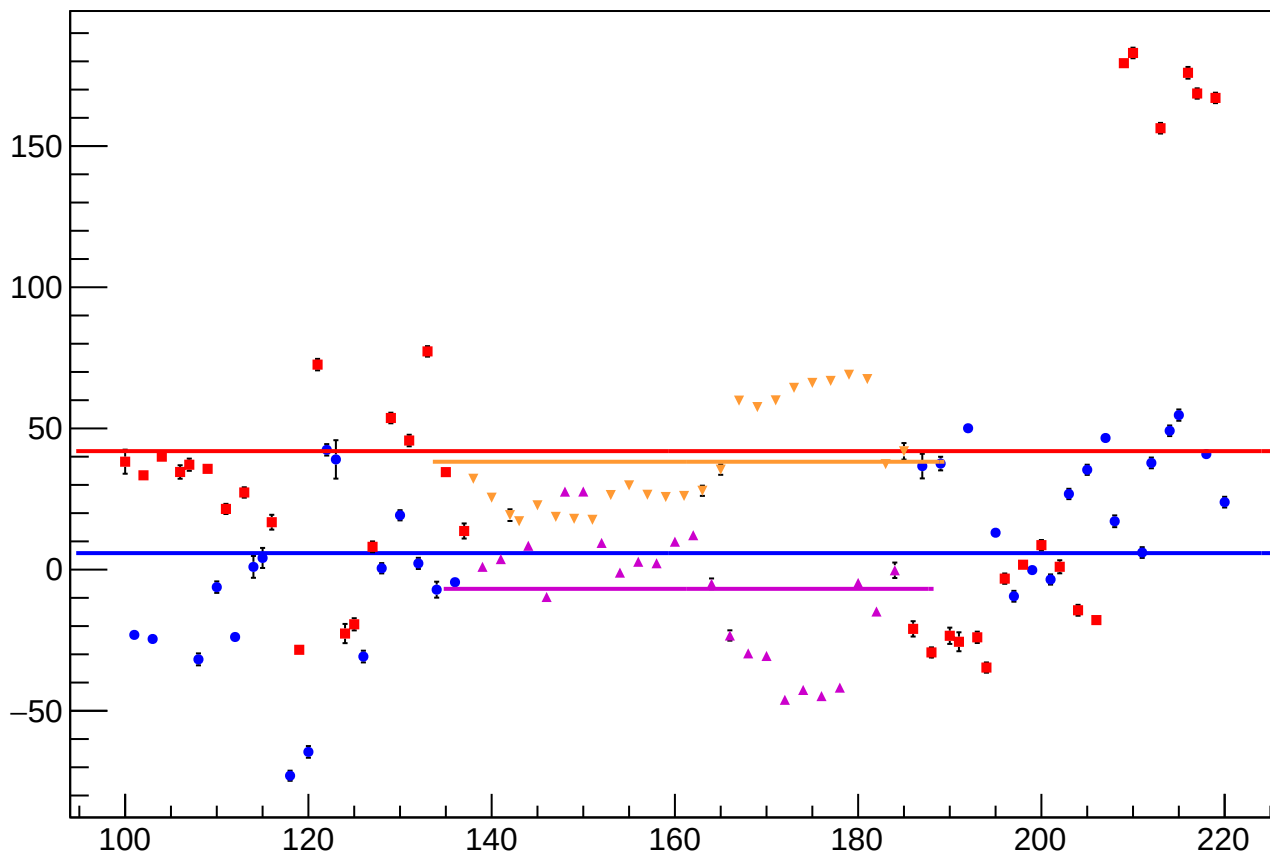
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1451.216 $\pm$ 0.170 χ^2 /NDF: 2276118.7/58

All: 1447.036 $\pm$ 0.120 χ^2 /NDF: 4498936.7/11

- sign 1442.846 $\pm$ 0.171 χ^2 /NDF: 2221611.3/59

diff_bpm0i02Y_mean vs Slug



Right In: 5.843 ± 0.332 $\chi^2/\text{NDF}: 9136.1/33$

Left Out: 38.206 ± 0.323 $\chi^2/\text{NDF}: 3514.2/24$

Right Out: 41.964 ± 0.325 $\chi^2/\text{NDF}: 43223.6/36$

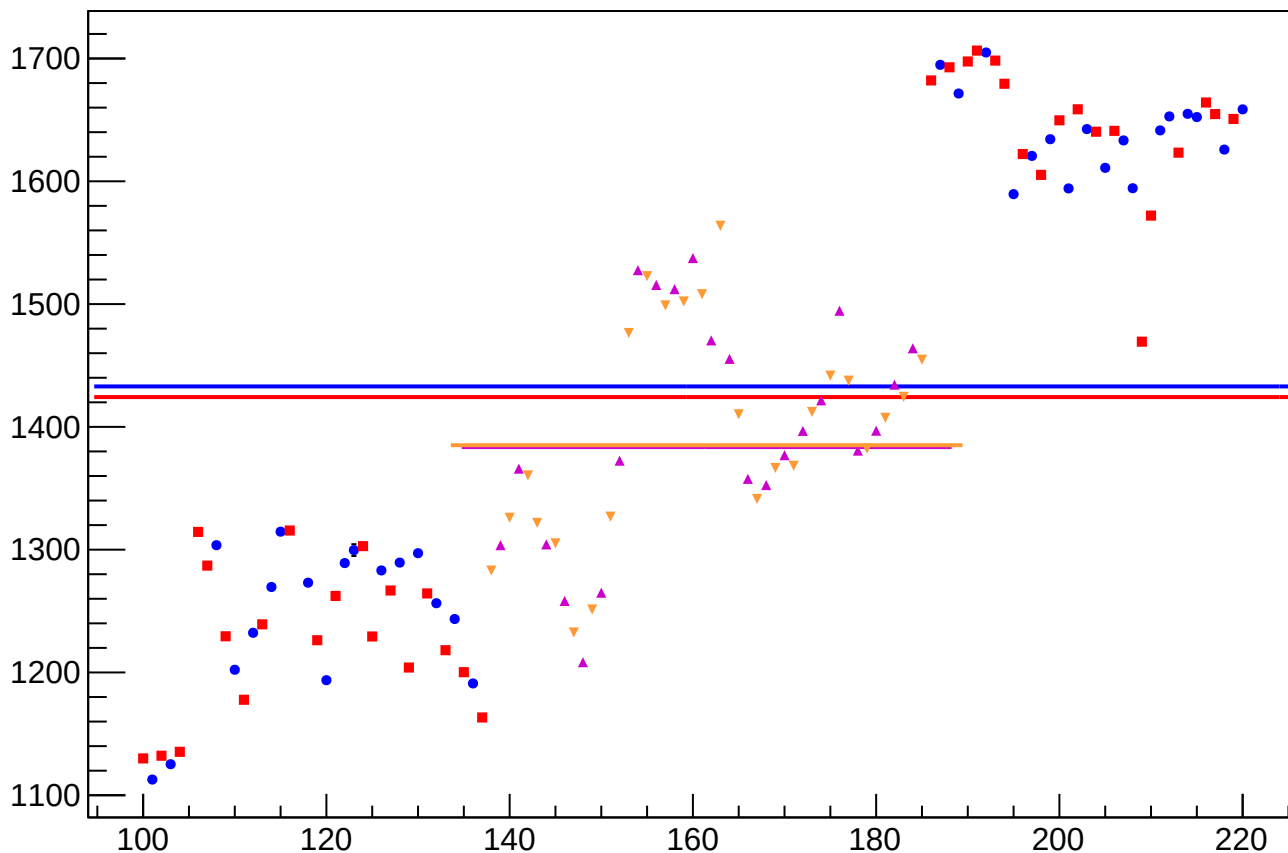
Left In: -6.808 ± 0.333 $\chi^2/\text{NDF}: 4494.5/22$

+ sign 22.455 ± 0.232 $\chi^2/\text{NDF}: 17525.1/58$

All: 20.305 ± 0.164 $\chi^2/\text{NDF}: 76388.3/118$

- sign 18.135 ± 0.233 $\chi^2/\text{NDF}: 58690.2/59$

diff_bpm0i02Y_rms vs Slug



Right In: 1432.946 $\pm$ 0.235 χ^2 /NDF: 816030.1/33

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

Right Out: 1424.270 $\pm$ 0.230 χ^2 /NDF: 884047.1/36

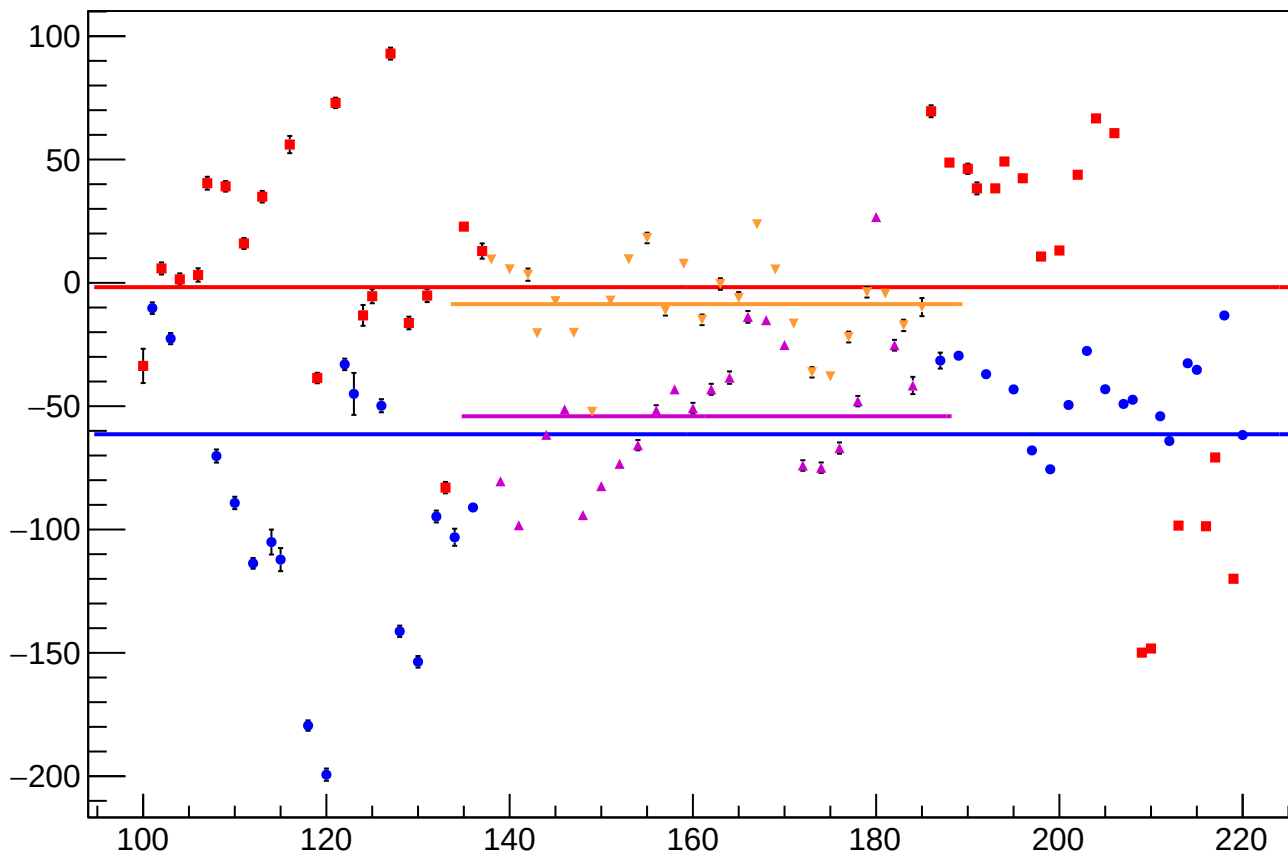
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1408.368 $\pm$ 0.164 χ^2 /NDF: 983373.6/58

All: 1406.382 $\pm$ 0.116 χ^2 /NDF: 2037701.8/11

- sign 1404.379 $\pm$ 0.165 χ^2 /NDF: 1054033.1/59

diff_bpm0i02aX_mean vs Slug



Right In: -61.379 ± 0.334 $\chi^2/\text{NDF}: 14748.4/33$

Left Out: -8.606 ± 0.410 $\chi^2/\text{NDF}: 1930.5/24$

Right Out: -1.739 ± 0.326 $\chi^2/\text{NDF}: 44142.3/36$

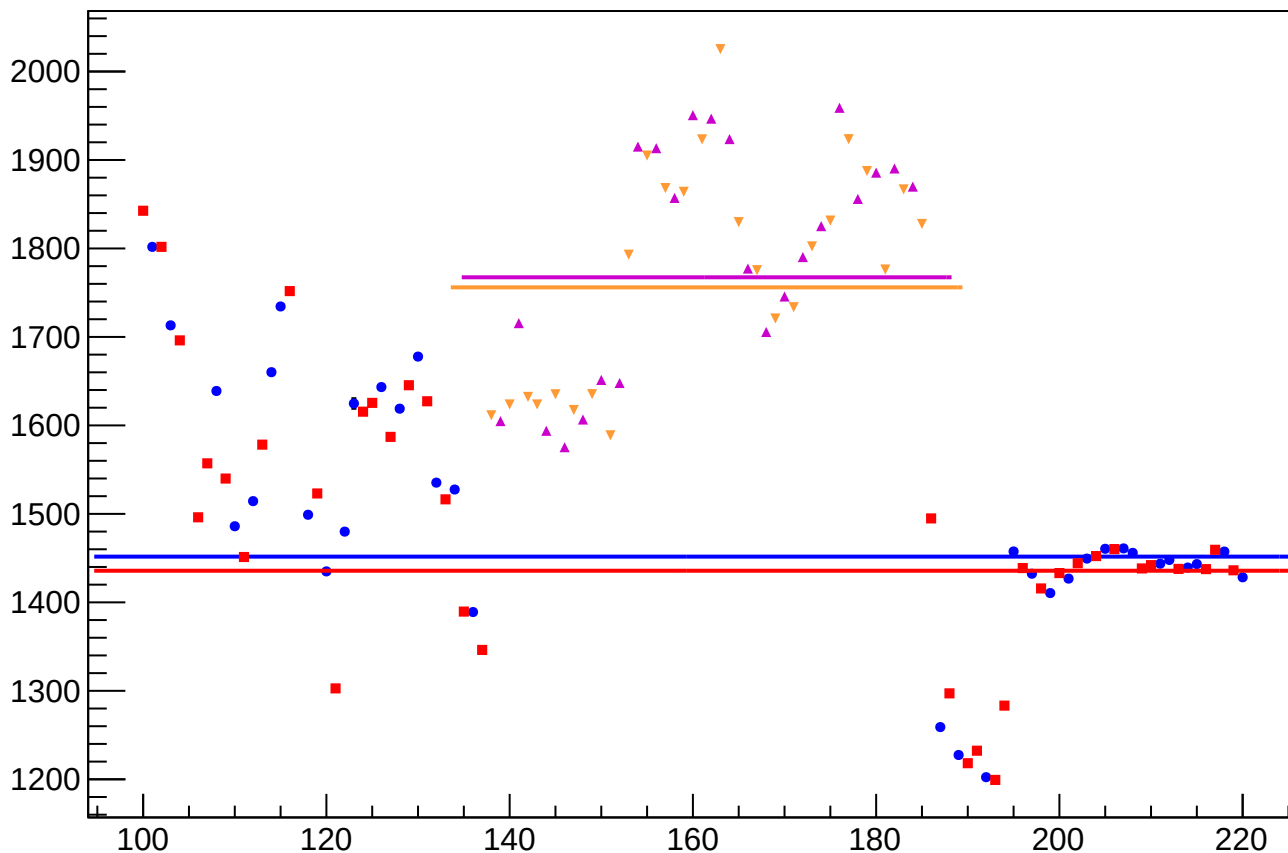
Left In: -54.089 ± 0.426 $\chi^2/\text{NDF}: 4721.6/22$

+ sign -40.349 ± 0.259 $\chi^2/\text{NDF}: 26633.6/58$

All: -30.694 ± 0.183 $\chi^2/\text{NDF}: 87815.8/118$

- sign -21.066 ± 0.259 $\chi^2/\text{NDF}: 58406.1/59$

diff_bpm0i02aX_rms vs Slug



Right In: 1451.695+/-0.236 χ^2/NDF : 262318.0/33

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

Right Out: 1435.738+/-0.230 χ^2/NDF : 309256.4/36

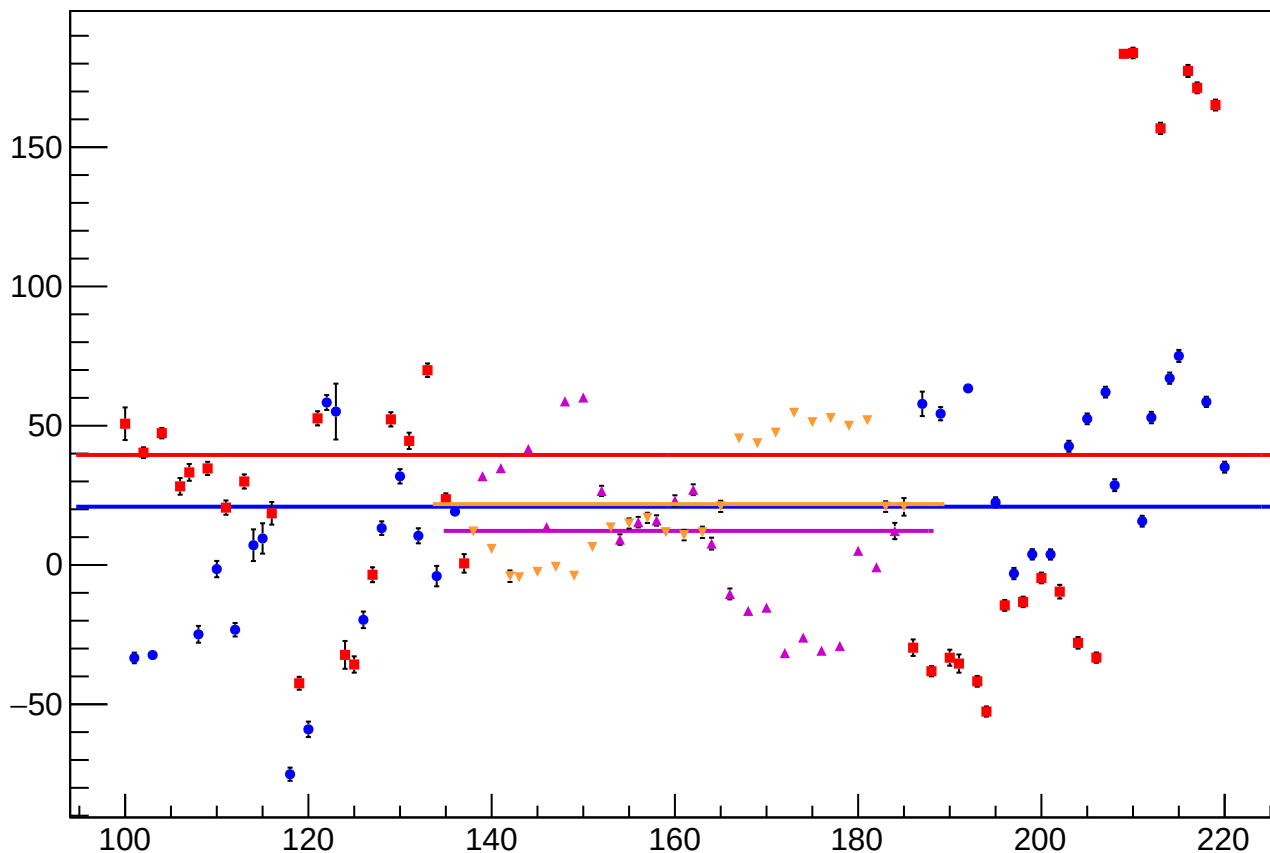
Left In: 1767.410+/-0.301 χ^2/NDF : 187958.2/22

+ sign 1572.975+/-0.183 χ^2/NDF : 1100212.1/58

All: 1565.569+/-0.129 χ^2/NDF : 2366776.2/11

- sign 1558.183+/-0.183 χ^2/NDF : 1263297.2/59

diff_bpm0i02aY_mean vs Slug



Right In: 20.927 $\pm$ 0.385 χ^2 /NDF: 9177.6/33

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

Right Out: 39.505 $\pm$ 0.376 χ^2 /NDF: 45427.2/36

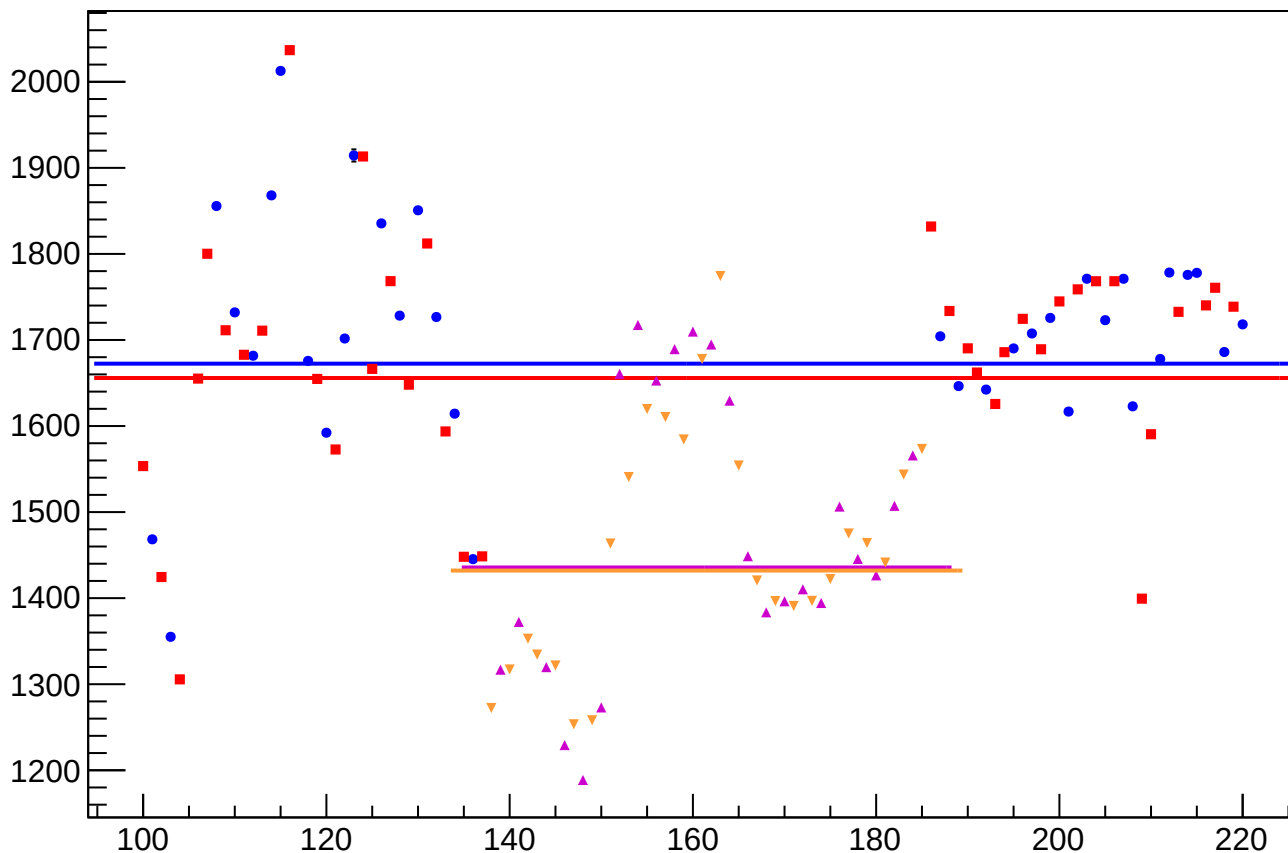
Left In: 12.246 $\pm$ 0.347 χ^2 /NDF: 6781.6/22

+ sign 21.455 $\pm$ 0.253 χ^2 /NDF: 13291.5/58

All: 23.112 $\pm$ 0.180 χ^2 /NDF: 68427.7/118

- sign 24.798 $\pm$ 0.255 χ^2 /NDF: 55049.6/59

diff_bpm0i02aY_rms vs Slug



Right In: 1672.471 $\pm$ 0.272 χ^2 /NDF: 200045.2/33

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

Right Out: 1655.797 $\pm$ 0.266 χ^2 /NDF: 272586.5/36

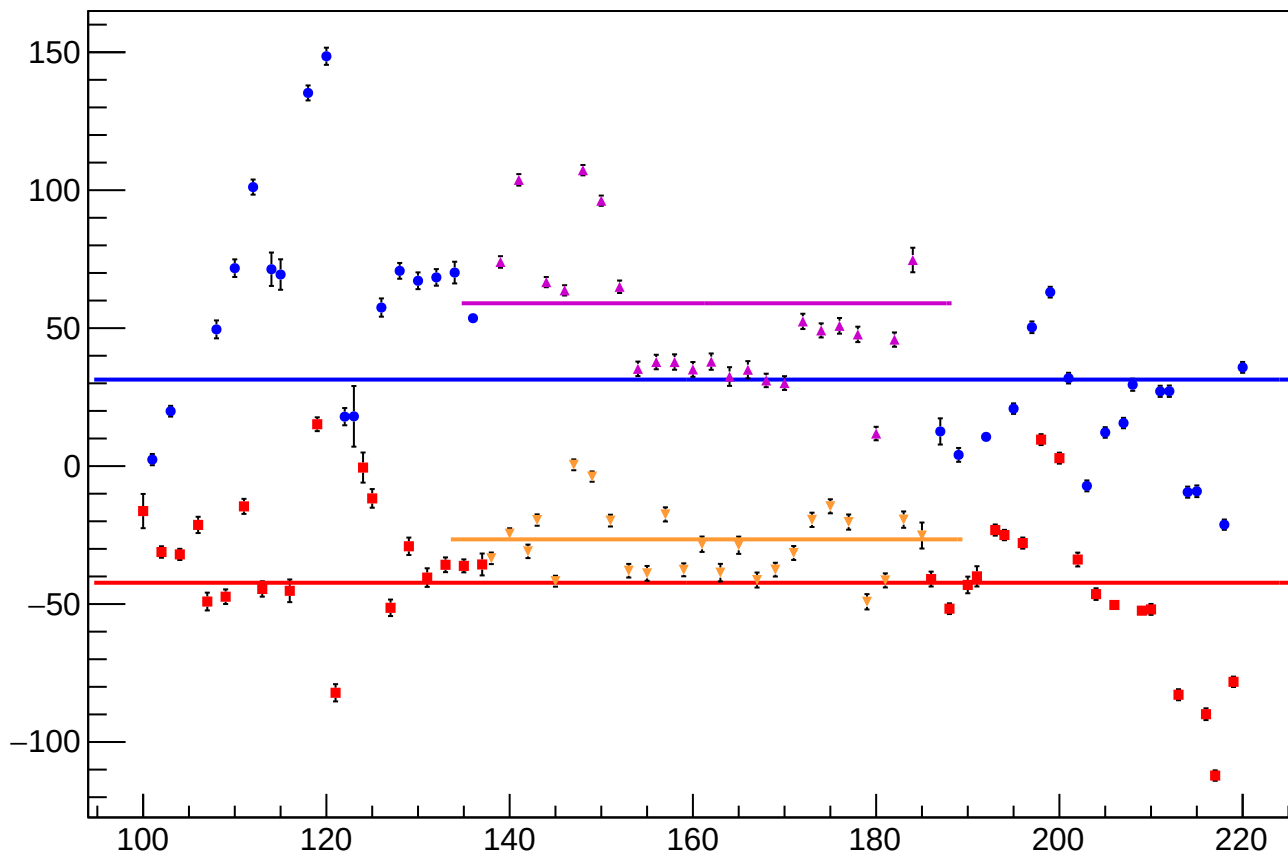
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1535.801 $\pm$ 0.179 χ^2 /NDF: 941035.0/58

All: 1536.404 $\pm$ 0.127 χ^2 /NDF: 2005055.0/11

- sign 1537.016 $\pm$ 0.180 χ^2 /NDF: 1063997.1/59

diff_bpm0i05X_mean vs Slug



Right In: 31.357 ± 0.405 χ^2/NDF : 7631.1/33

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

Right Out: -42.278 ± 0.395 χ^2/NDF : 5285.3/36

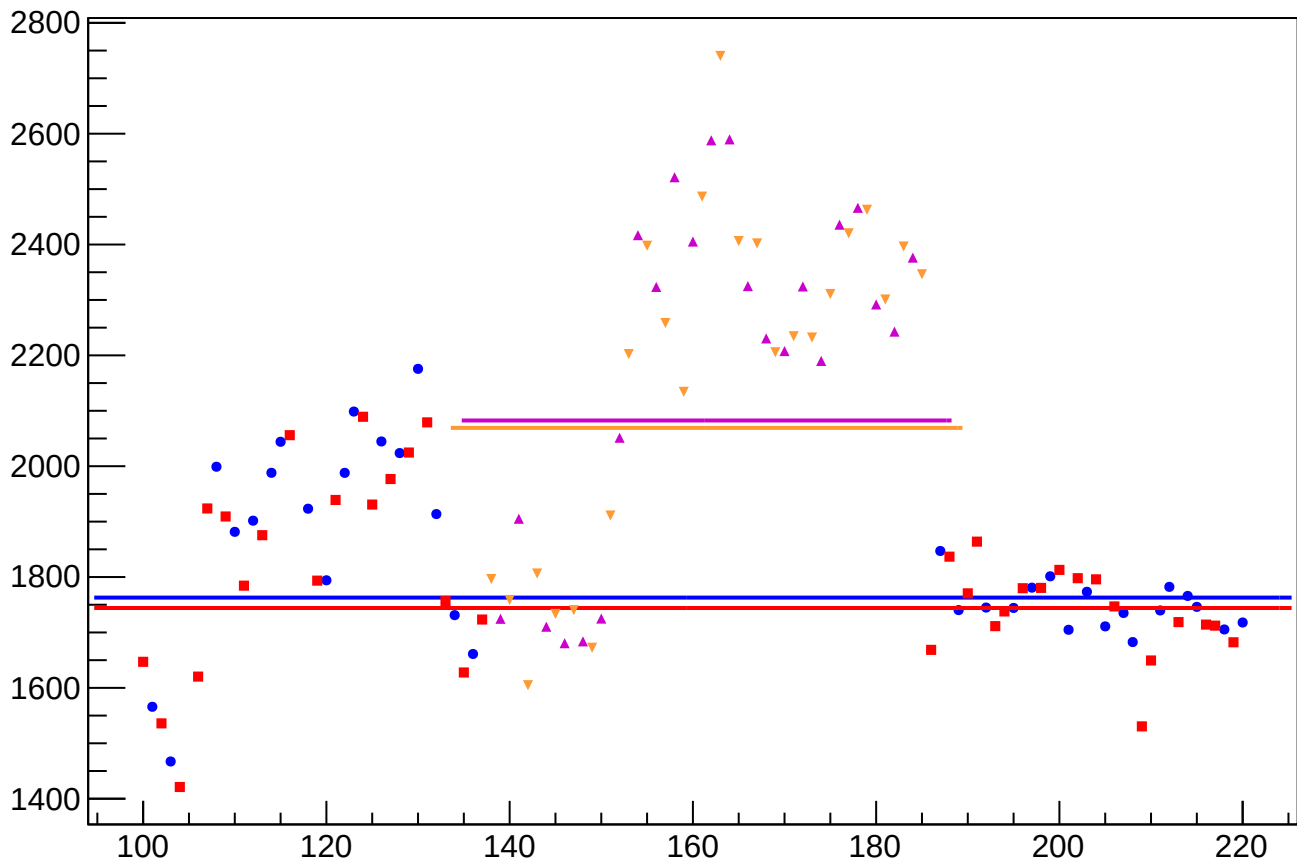
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 7.696 ± 0.312 χ^2/NDF : 16682.2/58

All: 1.884 ± 0.220 χ^2/NDF : 50302.2/118

- sign -3.921 ± 0.312 χ^2/NDF : 32925.6/59

diff_bpm0i05X_rms vs Slug



Right In: 1762.897 $\pm$ 0.287 χ^2 /NDF: 201775.8/33

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

Right Out: 1744.116 $\pm$ 0.280 χ^2 /NDF: 231587.2/36

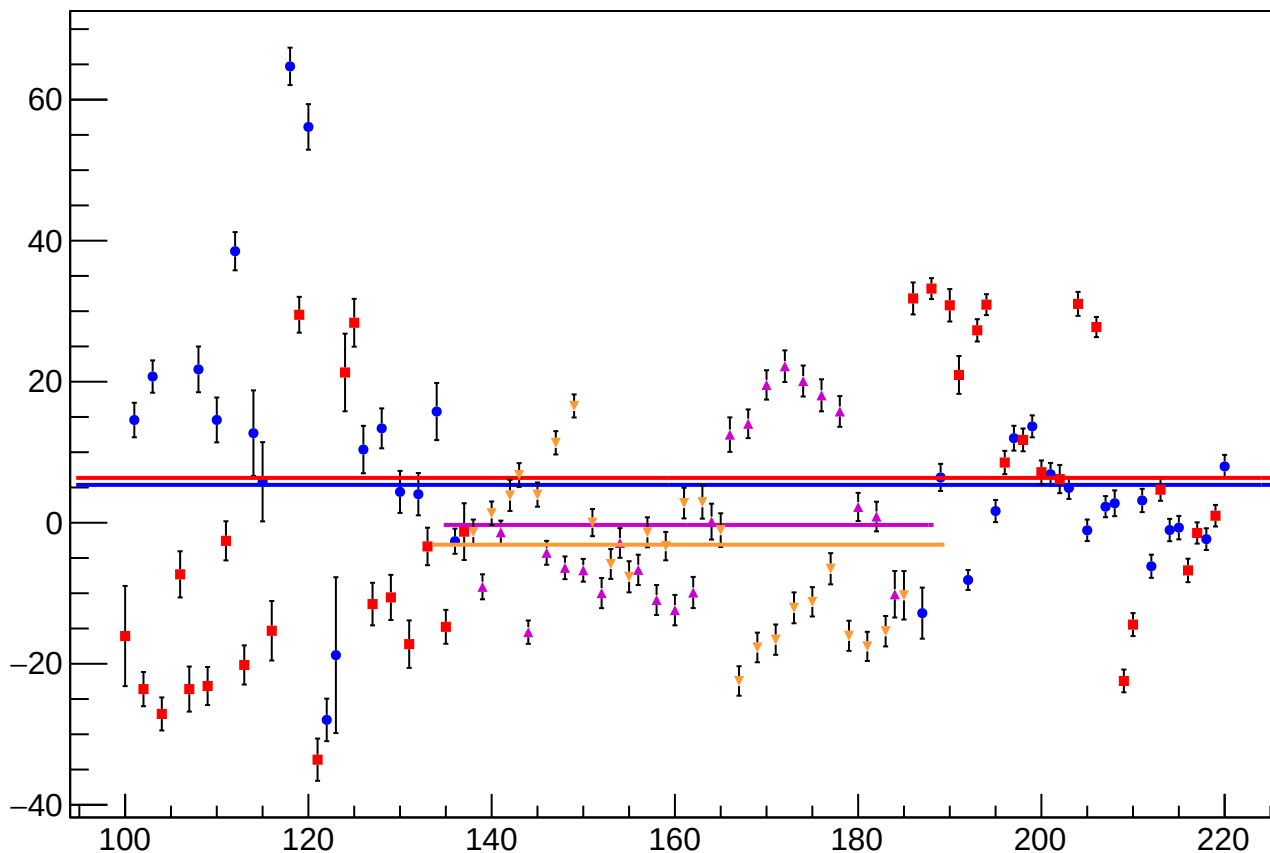
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1888.019 $\pm$ 0.221 χ^2 /NDF: 1466930.9/58

All: 1880.132 $\pm$ 0.156 χ^2 /NDF: 3041172.5/11

- sign 1872.255 $\pm$ 0.220 χ^2 /NDF: 1571684.5/59

diff_bpm0i05Y_mean vs Slug



Right In: 5.369 ± 0.350 $\chi^2/\text{NDF}: 1453.4/33$

Left Out: -3.112 ± 0.404 $\chi^2/\text{NDF}: 643.7/24$

Right Out: 6.358 ± 0.343 $\chi^2/\text{NDF}: 3309.8/36$

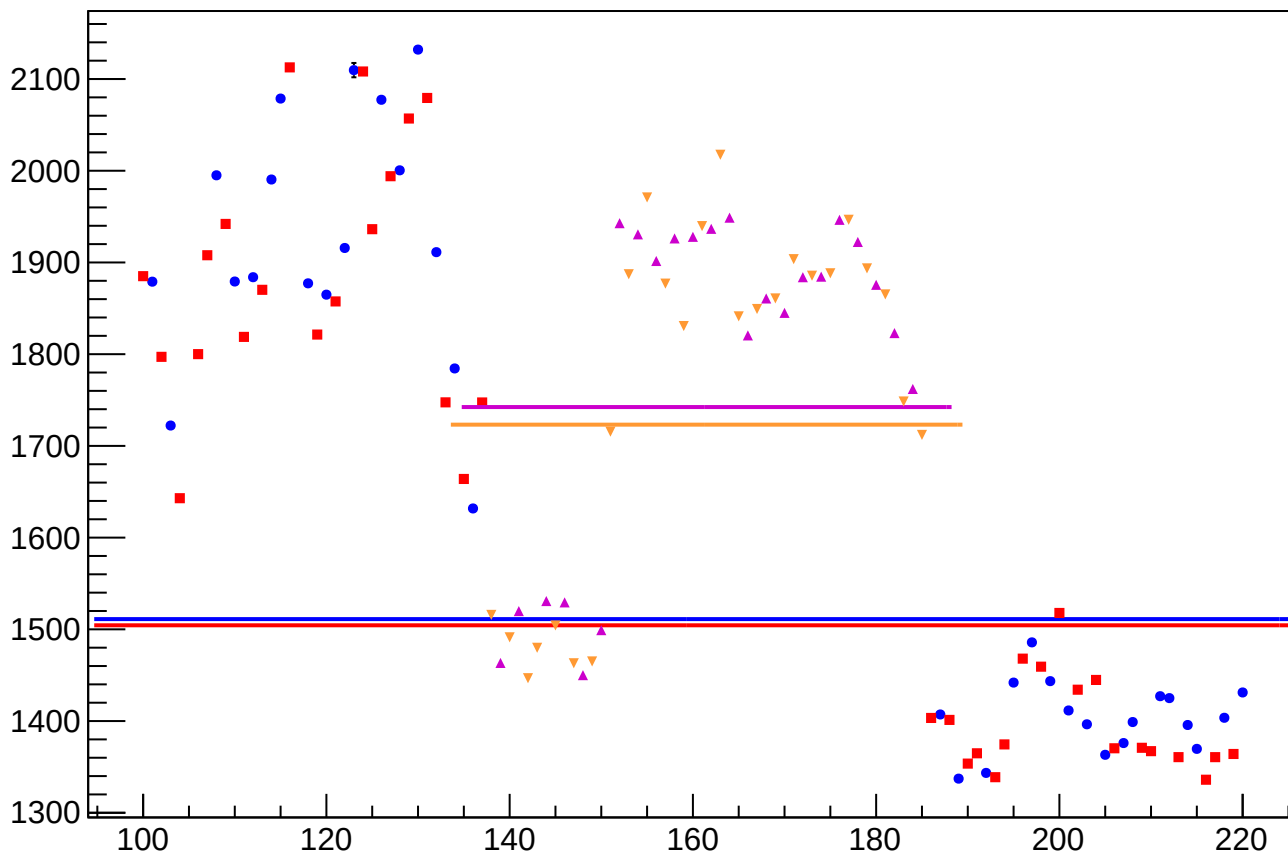
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 1.735 ± 0.265 $\chi^2/\text{NDF}: 2348.7/58$

All: 2.709 ± 0.188 $\chi^2/\text{NDF}: 6573.0/118$

- sign 3.694 ± 0.266 $\chi^2/\text{NDF}: 4197.0/59$

diff_bpm0i05Y_rms vs Slug



Right In: 1511.161 $\pm$ 0.247 χ^2 /NDF: 730780.4/33

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

Right Out: 1504.401 $\pm$ 0.243 χ^2 /NDF: 753087.4/36

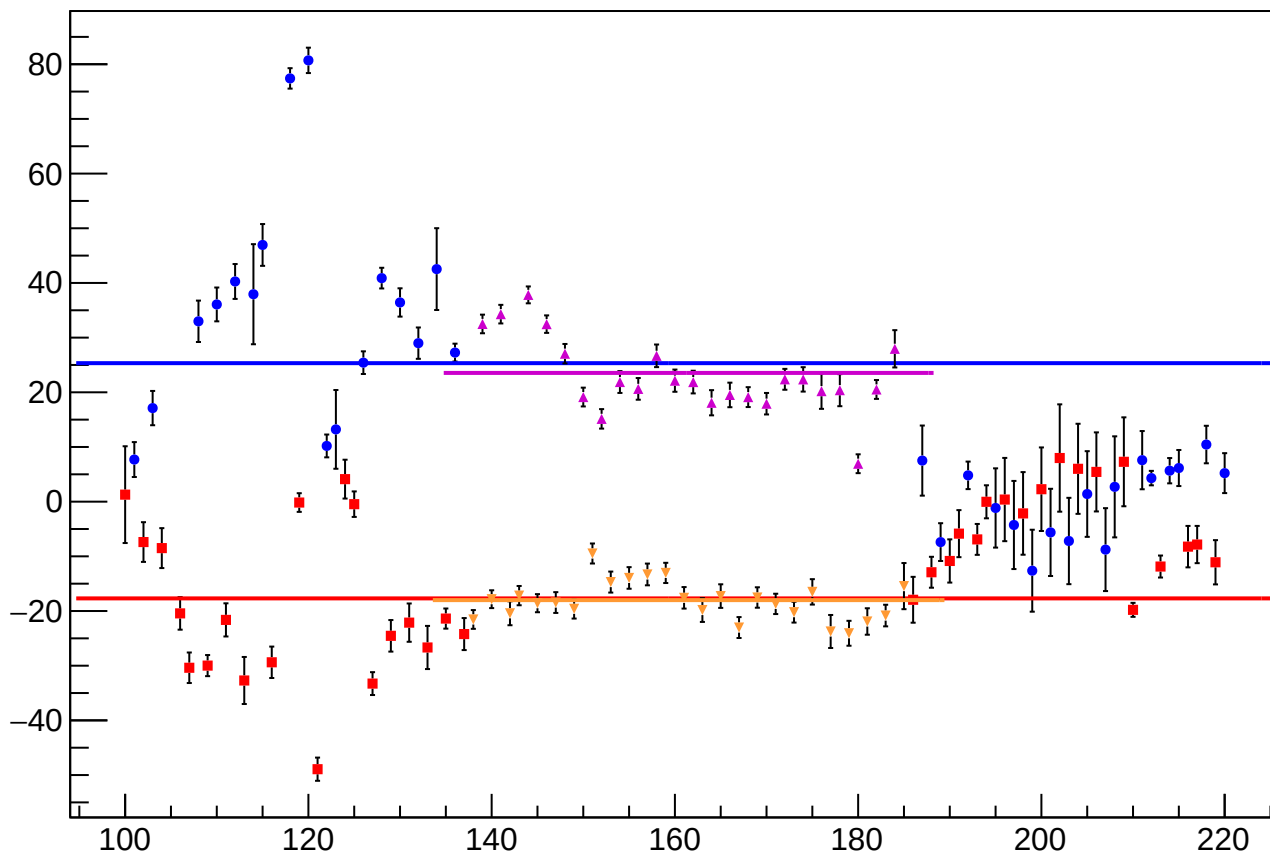
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1601.994 $\pm$ 0.187 χ^2 /NDF: 1522644.8/58

All: 1600.721 $\pm$ 0.133 χ^2 /NDF: 3095273.8/11

- sign 1599.434 $\pm$ 0.188 χ^2 /NDF: 1572535.9/59

diff_bpm0i07X_mean vs Slug



Right In: 25.330 $\pm$ 0.507 χ^2 /NDF: 2306.5/33

Left Out: -18.007 $\pm$ 0.397 χ^2 /NDF: 73.8/24

Right Out: -17.692 $\pm$ 0.476 χ^2 /NDF: 744.8/36

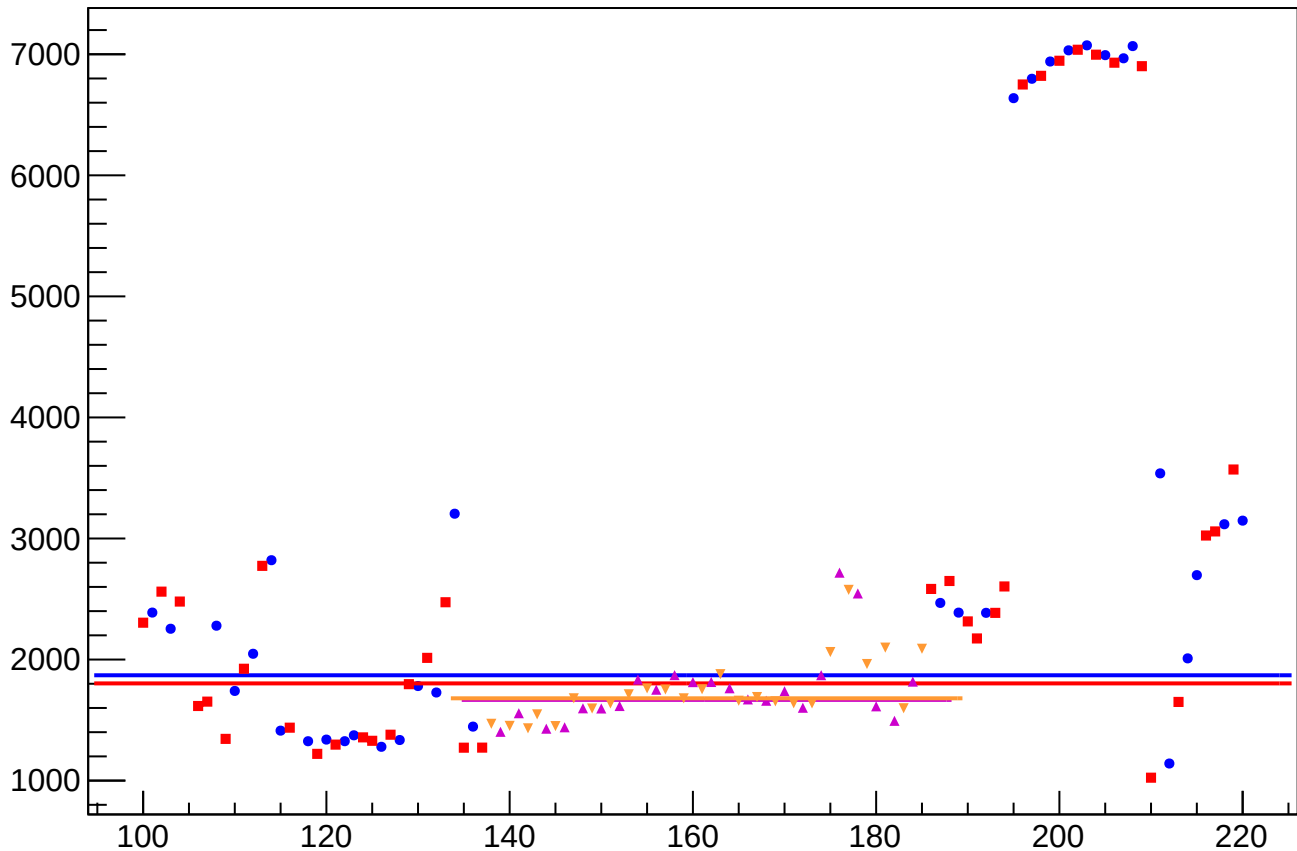
Left In: 23.544 $\pm$ 0.406 χ^2 /NDF: 346.7/22

+ sign -1.548 $\pm$ 0.312 χ^2 /NDF: 6913.2/58

All: 2.370 $\pm$ 0.220 χ^2 /NDF: 12662.9/118

- sign 6.196 $\pm$ 0.309 χ^2 /NDF: 5438.9/59

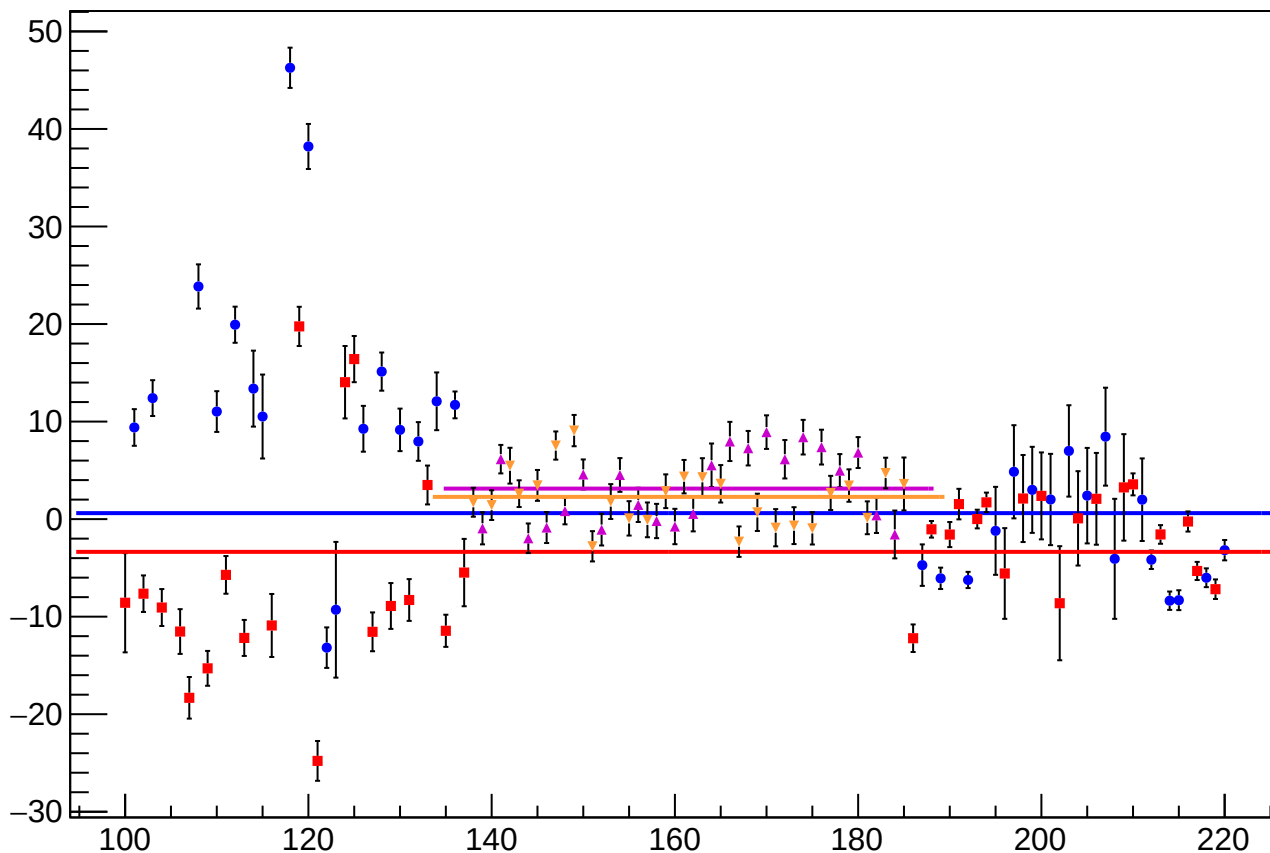
diff_bpm0i07X_rms vs Slug



Right In: 1870.120 $\pm$ 0.358 χ^2 /NDF: 9334025.9/33
 Left Out: 1679.814 $\pm$ 0.281 χ^2 /NDF: 522795.6/24
 Right Out: 1802.958 $\pm$ 0.337 χ^2 /NDF: 9192090.9/36
 Left In: 1666.819 $\pm$ 0.287 χ^2 /NDF: 650990.8/22

+ sign 1752.094 $\pm$ 0.221 χ^2 /NDF: 10031643.3/58
 All: 1737.929 $\pm$ 0.155 χ^2 /NDF: 19977621.1/100
 - sign 1724.094 $\pm$ 0.218 χ^2 /NDF: 9937849.9/59

diff_bpm0i07Y_mean vs Slug



Right In: 0.615 ± 0.292 χ^2/NDF : 1668.2/33

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

Right Out: -3.356 ± 0.264 χ^2/NDF : 723.3/36

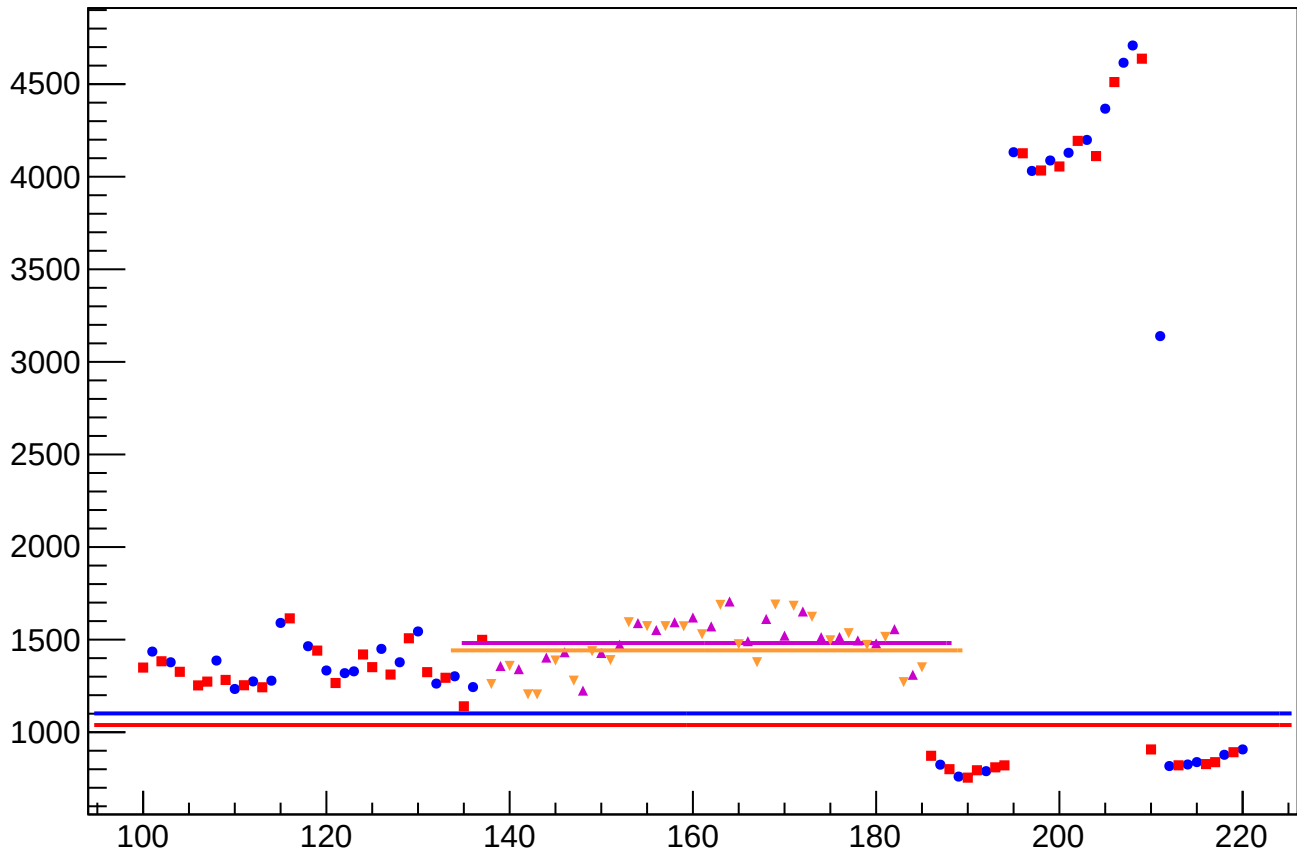
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 1.325 ± 0.221 χ^2/NDF : 1757.7/58

All: 0.081 ± 0.153 χ^2/NDF : 2858.1/118

- sign -1.068 ± 0.212 χ^2/NDF : 1039.5/59

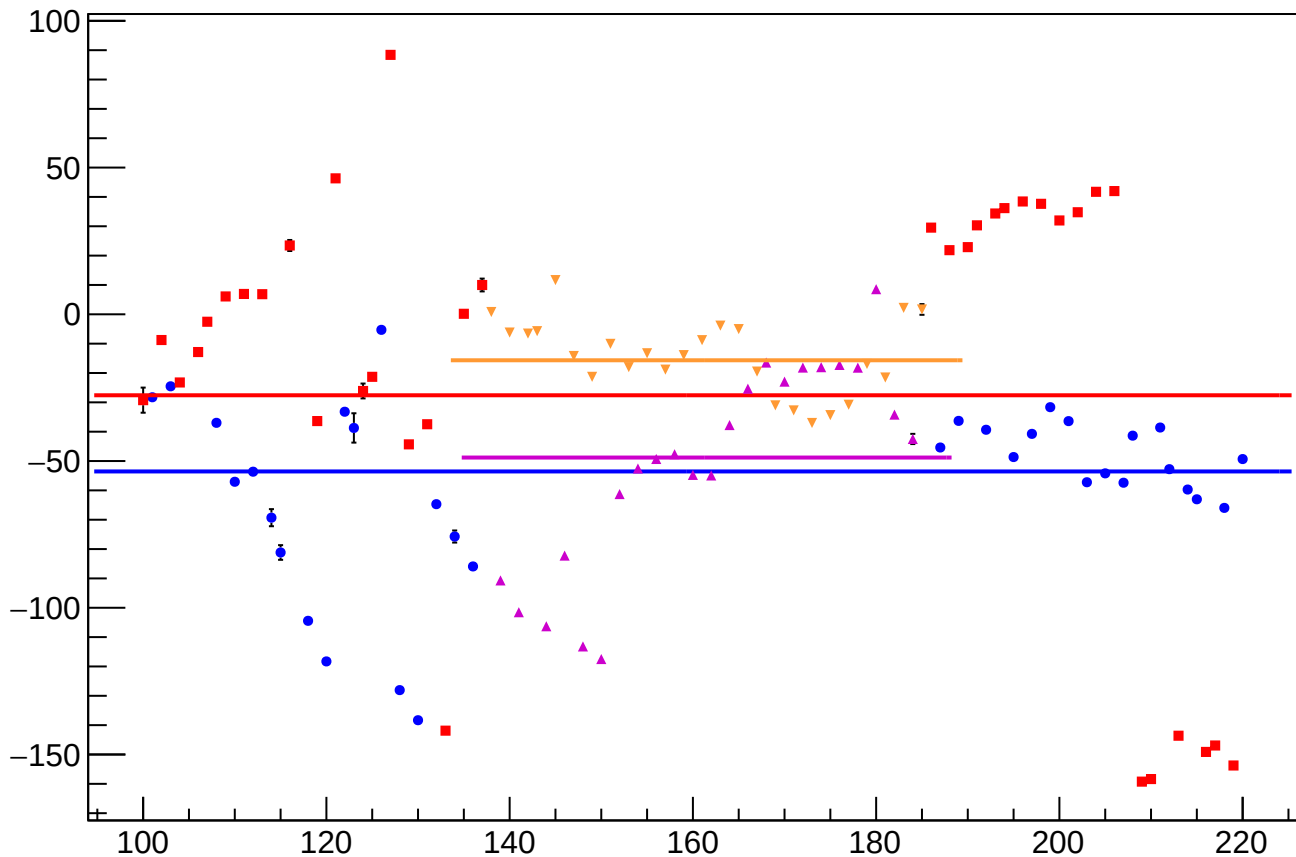
diff_bpm0i07Y_rms vs Slug



Right In: 1101.467 $\pm$ 0.206 χ^2 /NDF: 8988767.8/33
 Left Out: 1441.951 $\pm$ 0.239 χ^2 /NDF: 370617.4/24
 Right Out: 1038.790 $\pm$ 0.187 χ^2 /NDF: 7639112.4/36
 Left In: 1481.695 $\pm$ 0.253 χ^2 /NDF: 208470.6/22

+ sign 1246.722 $\pm$ 0.156 χ^2 /NDF: 10521396.6/58
 All: 1219.875 $\pm$ 0.108 χ^2 /NDF: 20410988.7/100
 - sign 1195.053 $\pm$ 0.150 χ^2 /NDF: 9832749.8/59

diff_bpm1i02X_mean vs Slug



Right In: -53.547 ± 0.163 $\chi^2/\text{NDF}: 18246.8/33$

Left Out: -15.666 ± 0.212 $\chi^2/\text{NDF}: 3518.1/24$

Right Out: -27.591 ± 0.161 $\chi^2/\text{NDF}: 264968.9/36$

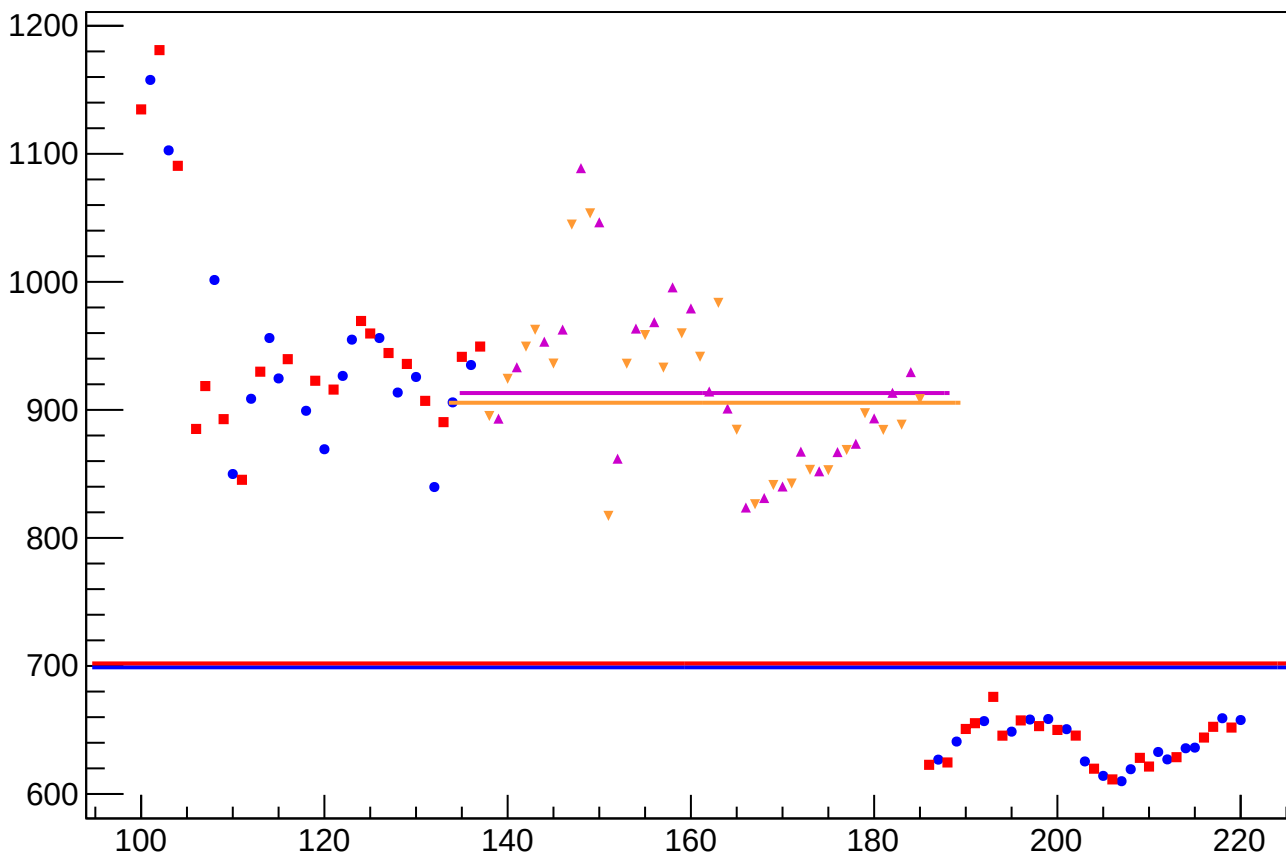
Left In: -48.812 ± 0.220 $\chi^2/\text{NDF}: 25260.8/22$

+ sign -39.456 ± 0.129 $\chi^2/\text{NDF}: 41908.2/58$

All: -37.248 ± 0.092 $\chi^2/\text{NDF}: 338788.5/118$

- sign -35.007 ± 0.130 $\chi^2/\text{NDF}: 296290.1/59$

diff_bpm1i02X_rms vs Slug



Right In: 698.929 ± 0.115 χ^2/NDF : 1196822.1/33

Left Out: 905.578 ± 0.150 χ^2/NDF : 162073.5/24

Right Out: 701.979 ± 0.114 χ^2/NDF : 1250092.0/36

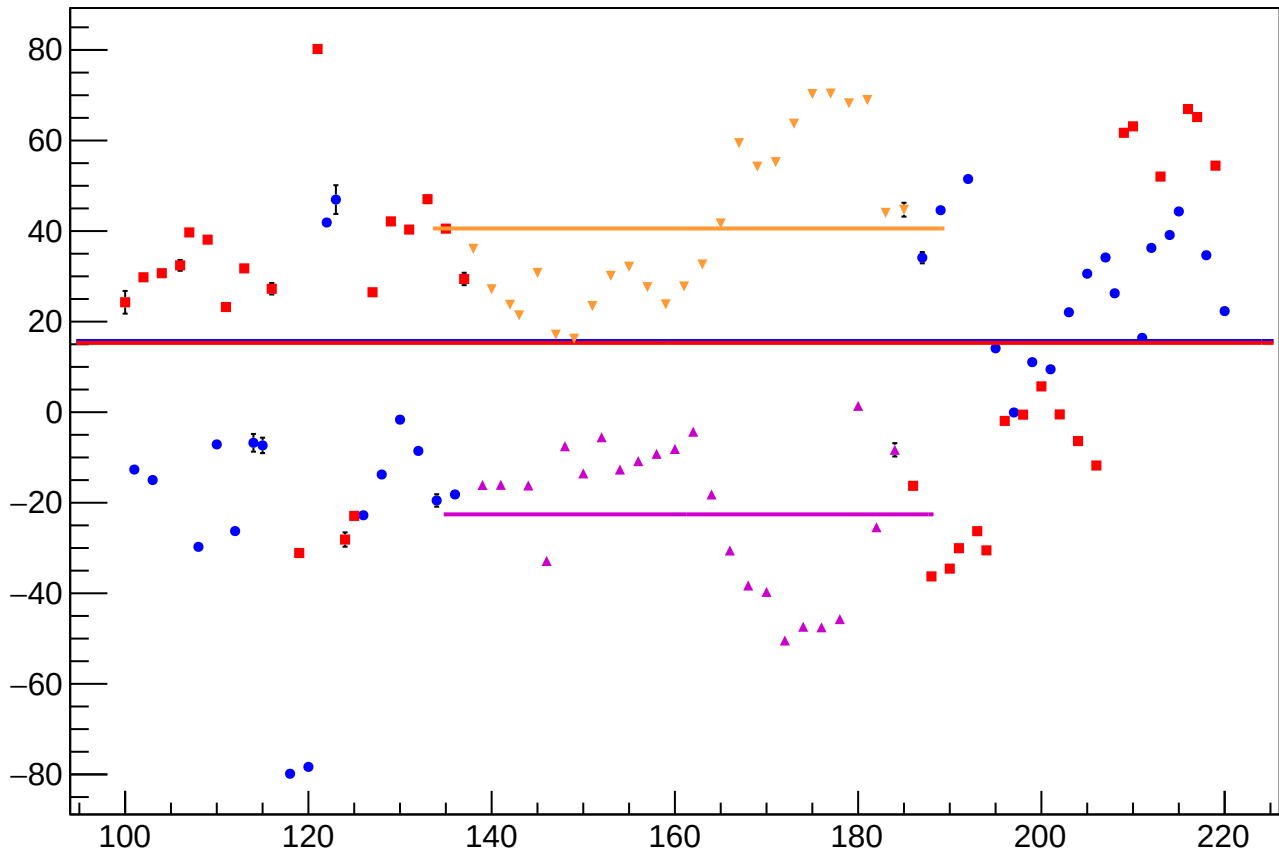
Left In: 913.165 ± 0.155 χ^2/NDF : 174438.8/22

+ sign 775.802 ± 0.091 χ^2/NDF : 2557788.6/58

All: 775.790 ± 0.065 χ^2/NDF : 5182638.3/118

- sign 775.777 ± 0.092 χ^2/NDF : 2624849.6/59

diff_bpm1i02Y_mean vs Slug



Right In: 15.717 $\pm$ 0.122 χ^2 /NDF: 49971.4/33

Left Out: 40.573 $\pm$ 0.168 χ^2 /NDF:12079.0/24

Right Out: 15.307 $\pm$ 0.120 χ^2 /NDF: 89953.7/36

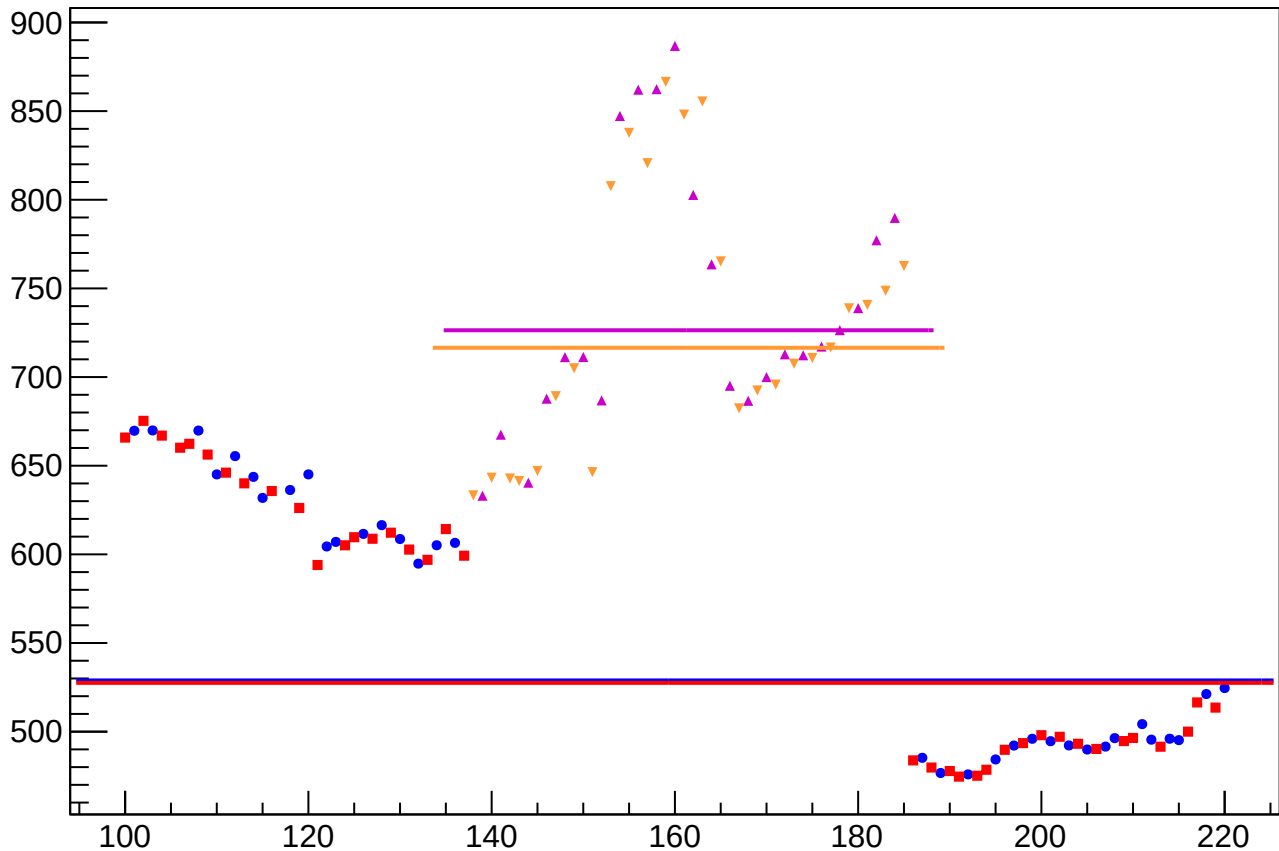
Left In: -22.565 $\pm$ 0.175 χ^2 /NDF:8167.7/22

+ sign 24.312 $\pm$ 0.099 χ^2 /NDF: 76398.3/58

All: 13.801 $\pm$ 0.070 χ^2 /NDF: 229064.3/118

- sign 3.226 $\pm$ 0.099 χ^2 /NDF: 129913.3/59

diff_bpm1i02Y_rms vs Slug



Right In: 528.887 $\pm$ 0.086 χ^2 /NDF: 499686.9/33

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF: 342740.2/24

Right Out: 527.529 $\pm$ 0.085 χ^2 /NDF: 542091.0/36

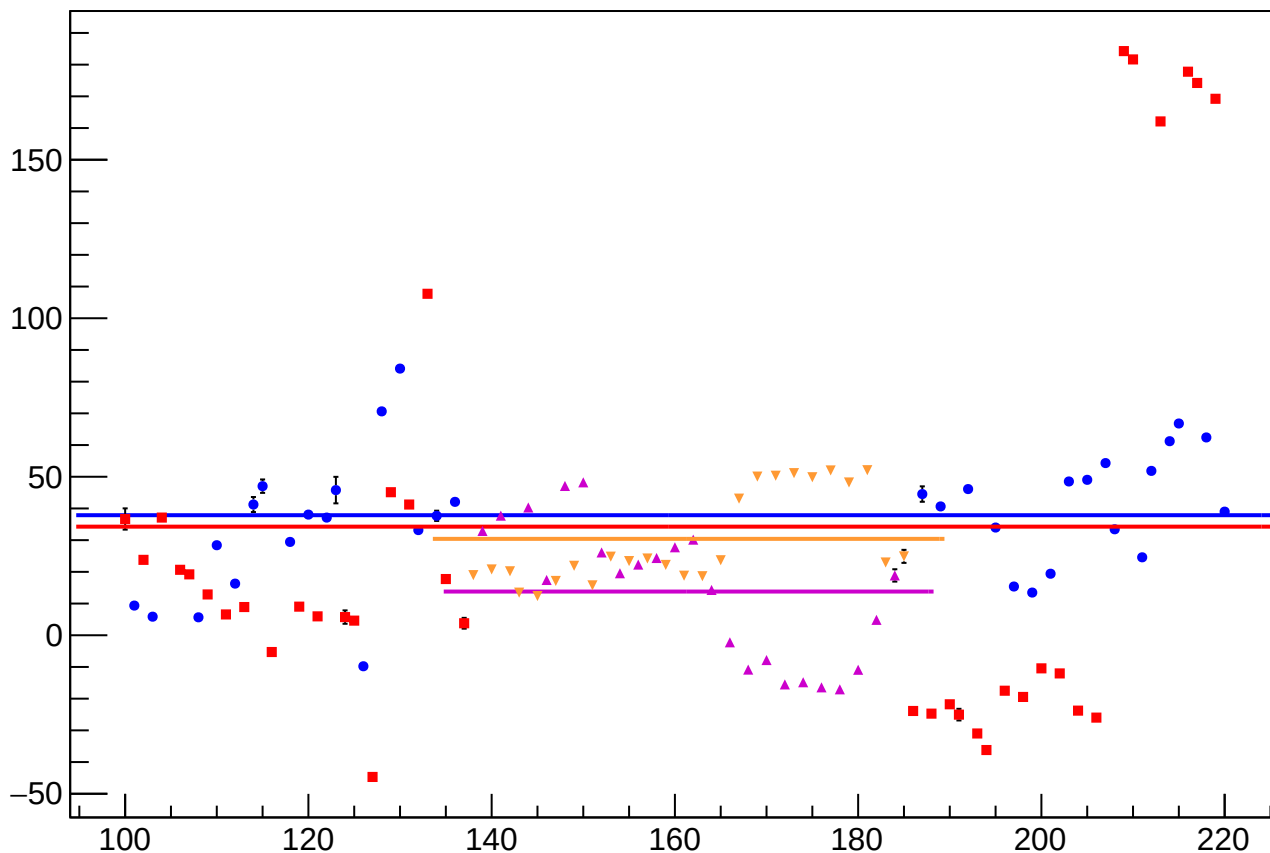
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 593.763 $\pm$ 0.070 χ^2 /NDF: 2477631.8/58

All: 592.367 $\pm$ 0.049 χ^2 /NDF: 5063425.1/118

- sign 590.964 $\pm$ 0.070 χ^2 /NDF: 2584991.3/59

diff_bpm1i04X_mean vs Slug



Right In: 37.872 $\pm$ 0.201 χ^2 /NDF: 10412.5/33

Left Out: 30.408 $\pm$ 0.237 χ^2 /NDF:3808.0/24

Right Out: 34.261 $\pm$ 0.198 χ^2 /NDF: 140299.8/36

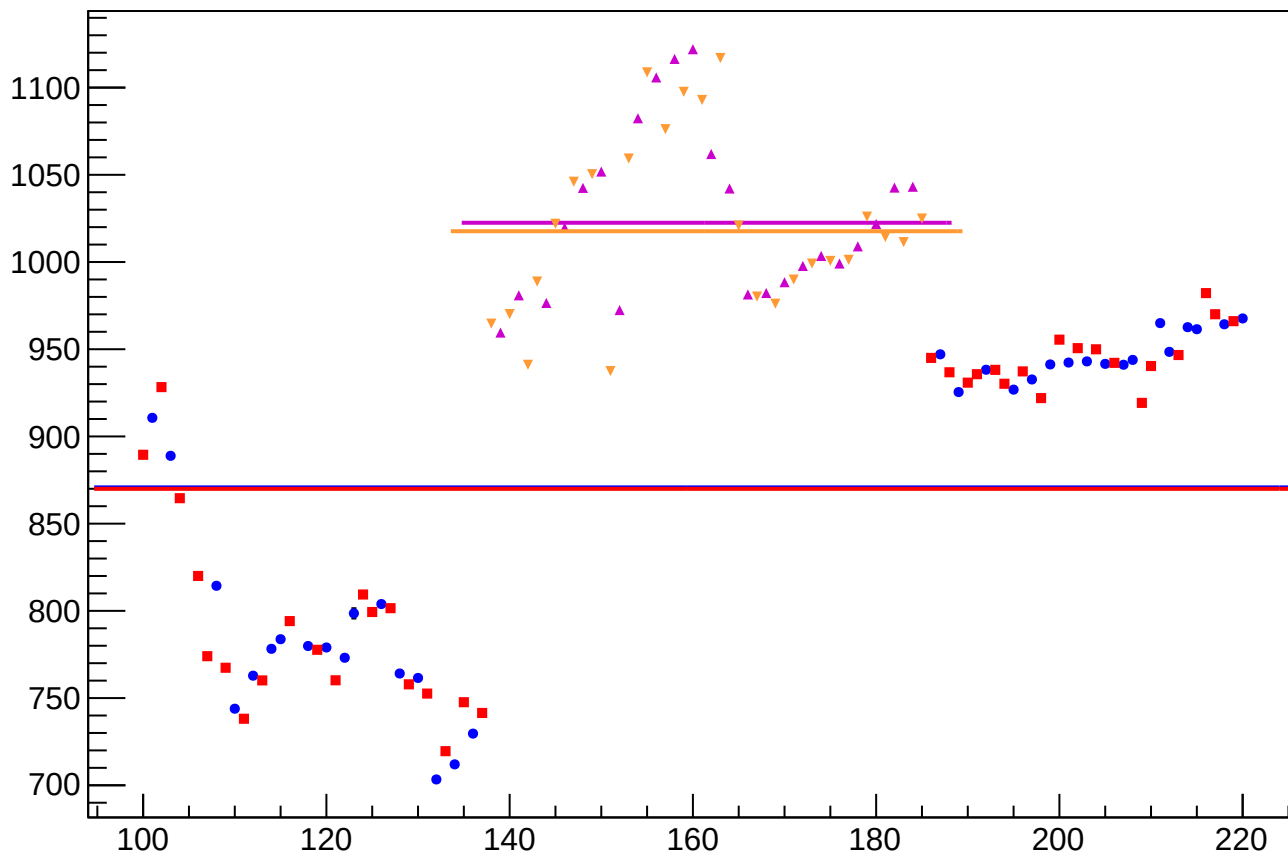
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF:7979.7/22

+ sign 34.761 $\pm$ 0.153 χ^2 /NDF: 14797.0/58

All: 30.514 $\pm$ 0.109 χ^2 /NDF: 168834.3/118

- sign 26.230 $\pm$ 0.154 χ^2 /NDF: 152495.3/59

diff_bpm1i04X_rms vs Slug



Right In: 870.790 $\pm$ 0.142 χ^2 /NDF: 425044.2/33

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF:83612.5/24

Right Out: 869.965 $\pm$ 0.140 χ^2 /NDF: 403422.9/36

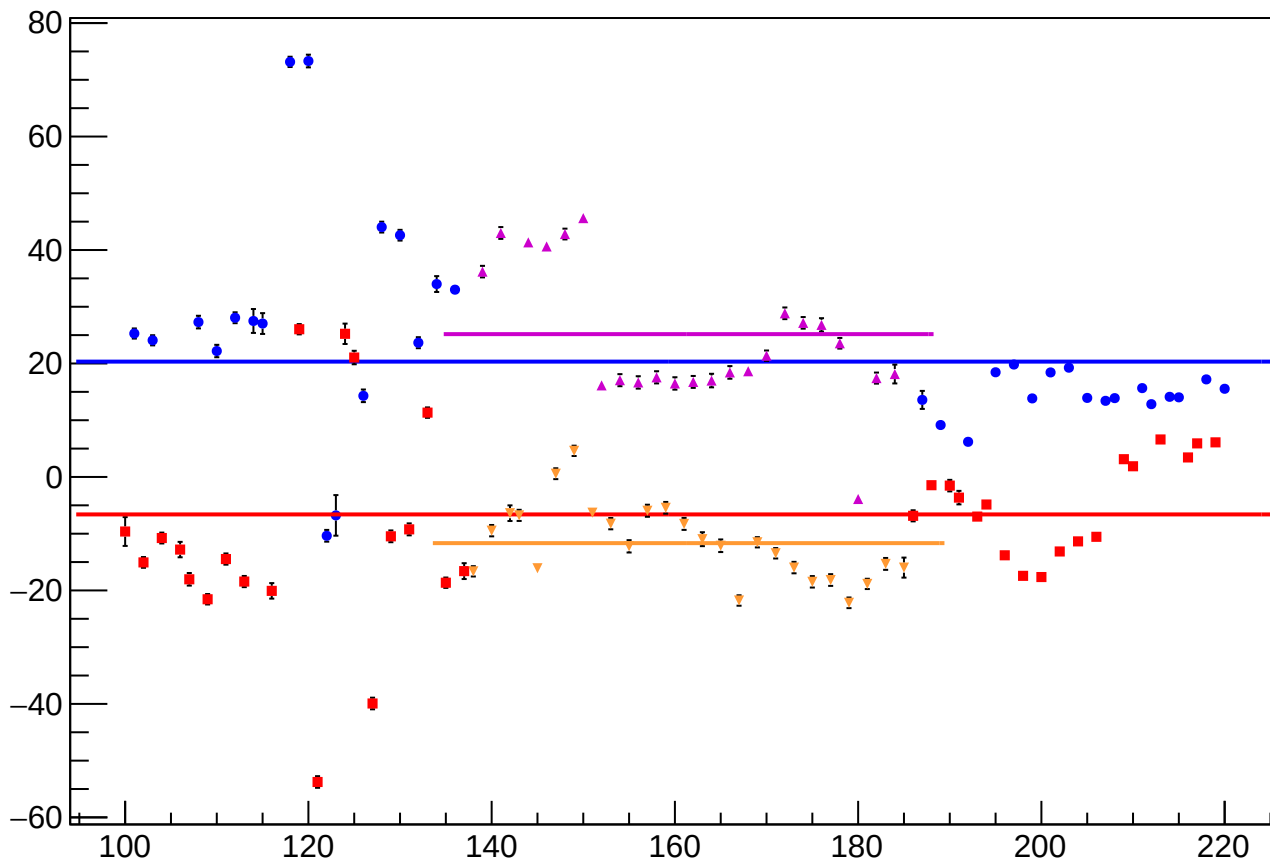
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF:69635.5/22

+ sign 932.014 $\pm$ 0.108 χ^2 /NDF: 954989.1/58

All: 930.914 $\pm$ 0.077 χ^2 /NDF: 1896287.8/118

- sign 929.805 $\pm$ 0.109 χ^2 /NDF: 941092.1/59

diff_bpm1i04Y_mean vs Slug



Right In: 20.330 ± 0.141 χ^2/NDF : 9893.0/33

Left Out: -11.664 ± 0.200 χ^2/NDF : 1147.4/24

Right Out: -6.603 ± 0.138 χ^2/NDF : 9346.5/36

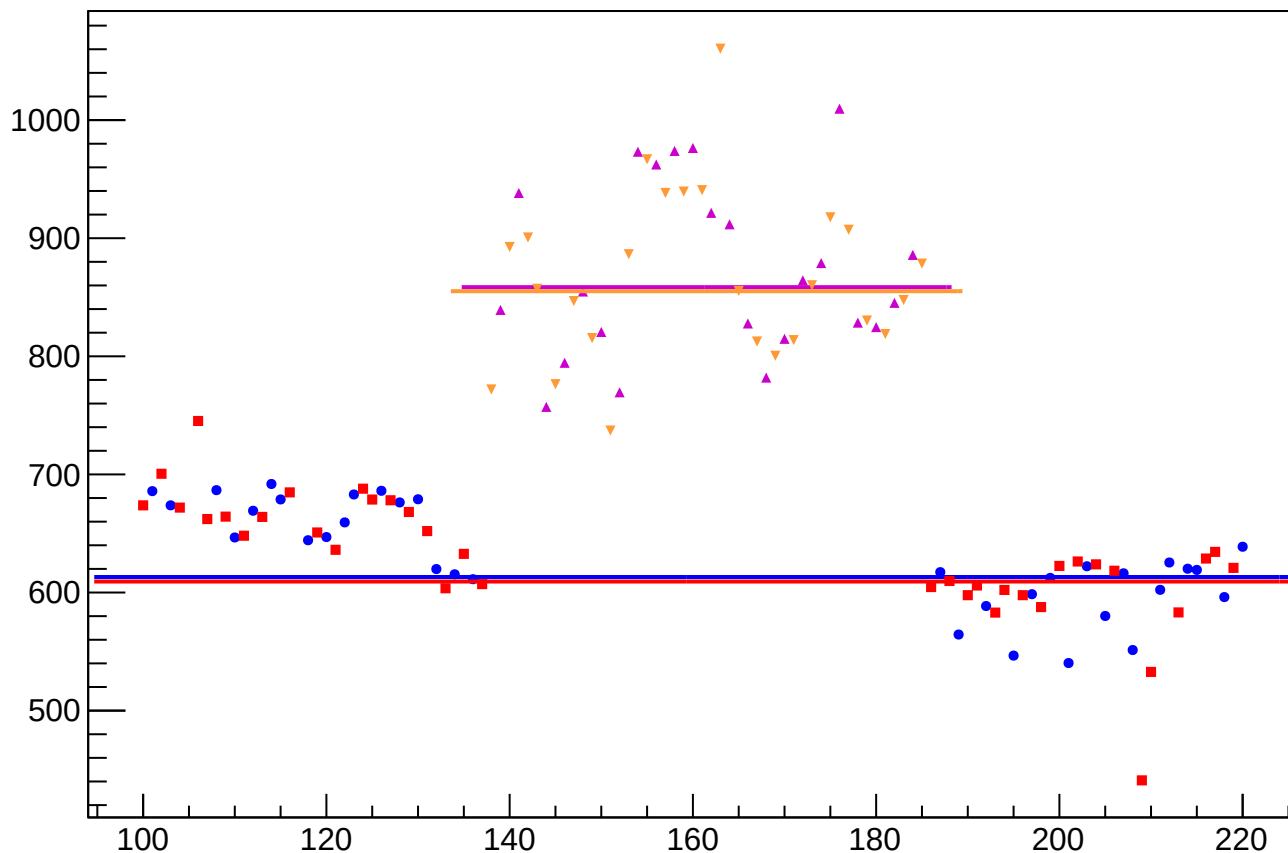
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 9.703 ± 0.115 χ^2/NDF : 28082.3/58

All: 6.442 ± 0.082 χ^2/NDF : 59008.1/118

- sign 3.196 ± 0.115 χ^2/NDF : 29333.2/59

diff_bpm1i04Y_rms vs Slug



Right In: 613.147+/-0.100 χ^2/NDF : 169064.0/33

Left Out: 855.131+/-0.142 χ^2/NDF : 233746.7/24

Right Out: 609.305+/-0.098 χ^2/NDF : 366855.9/36

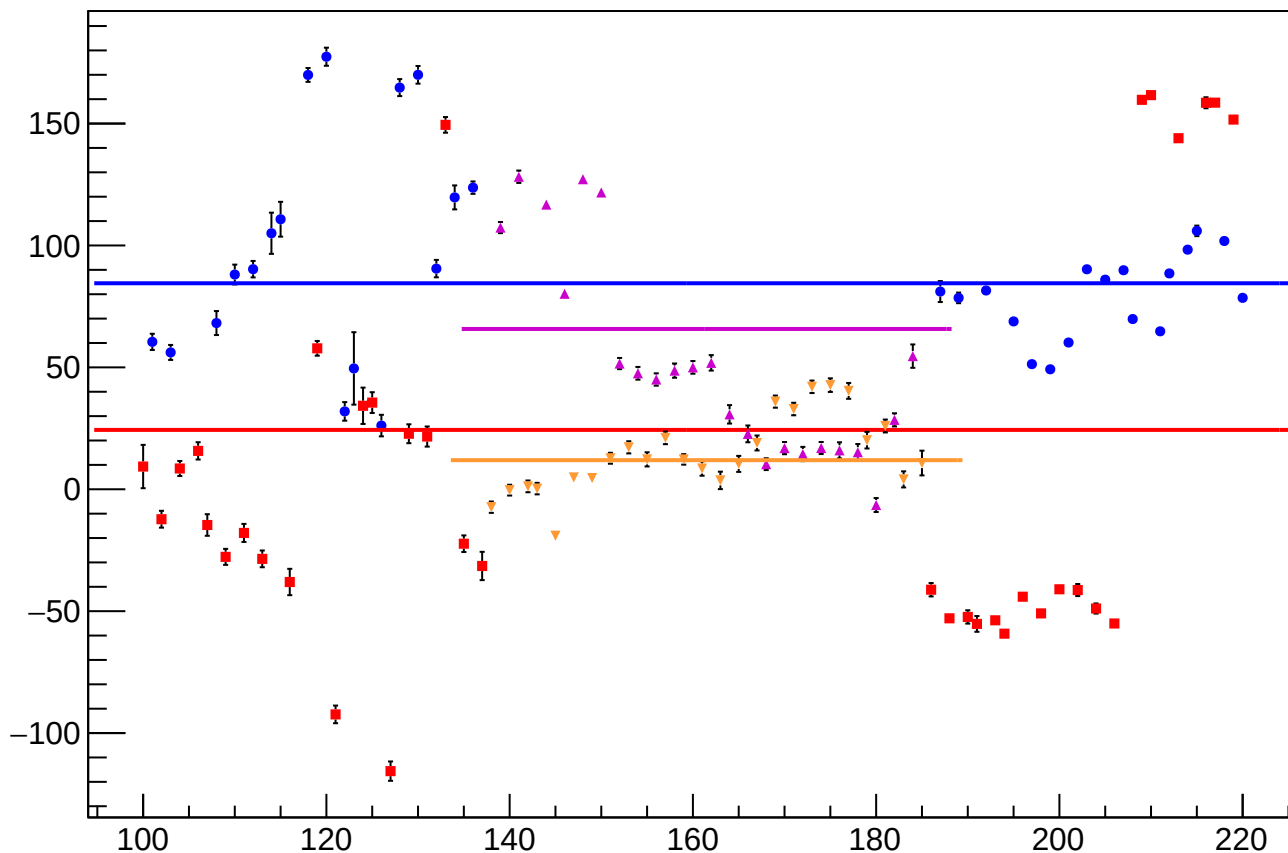
Left In: 858.563+/-0.147 χ^2/NDF : 239019.8/22

+ sign 693.527+/-0.082 χ^2/NDF : 2352571.9/58

All: 689.837+/-0.058 χ^2/NDF : 4961021.2/118

- sign 686.165+/-0.081 χ^2/NDF : 2604372.7/59

diff_bpm1i06X_mean vs Slug



Right In: 84.495 ± 0.421 $\chi^2/\text{NDF}: 4813.1/33$

Left Out: 11.938 ± 0.505 $\chi^2/\text{NDF}: 976.6/24$

Right Out: 24.348 ± 0.410 $\chi^2/\text{NDF}: 53060.4/36$

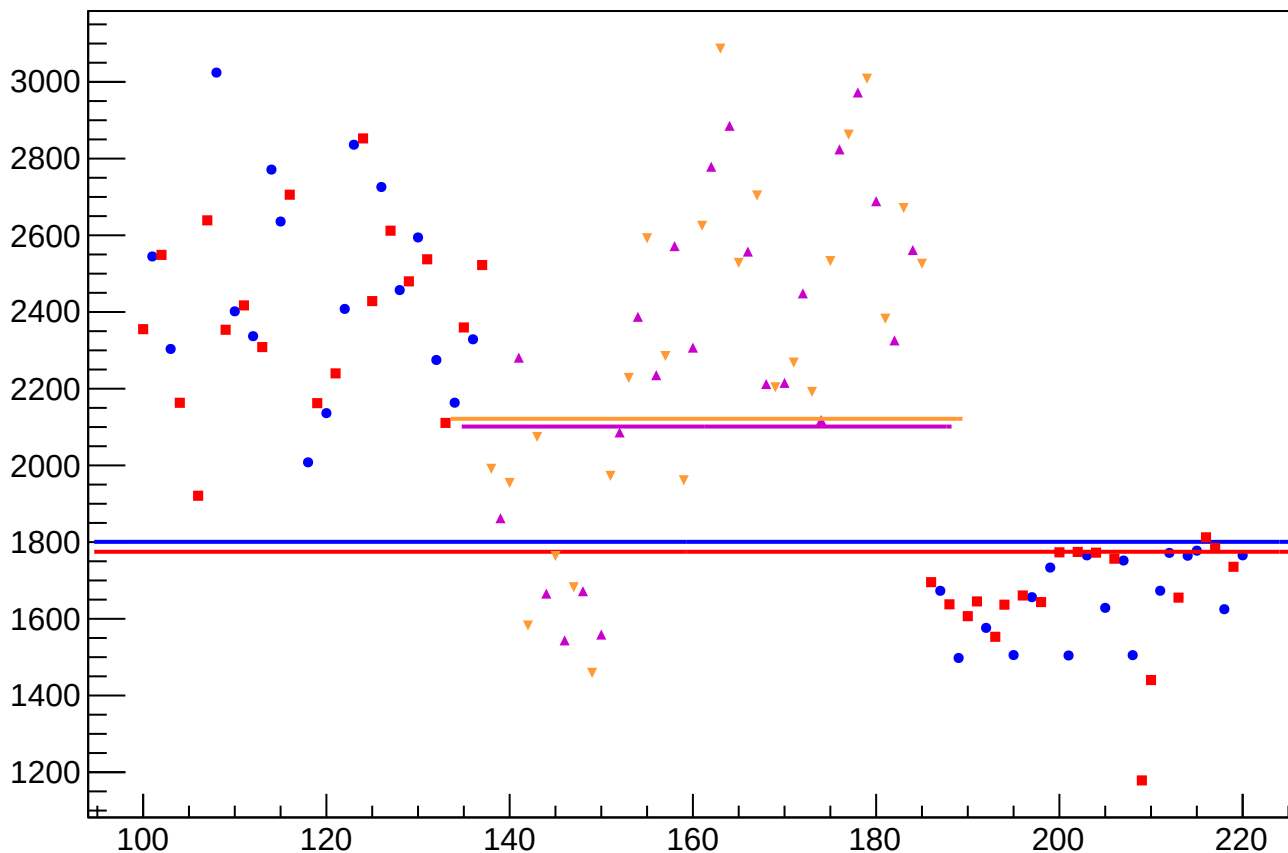
Left In: 65.752 ± 0.518 $\chi^2/\text{NDF}: 7335.8/22$

+ sign 54.728 ± 0.324 $\chi^2/\text{NDF}: 17948.6/58$

All: 47.464 ± 0.228 $\chi^2/\text{NDF}: 83276.8/118$

- sign 40.303 ± 0.321 $\chi^2/\text{NDF}: 64328.0/59$

diff_bpm1i06X_rms vs Slug



Right In: 1800.710 ± 0.298 $\chi^2/\text{NDF}: 1203157.9/33$

Left Out: 2121.567 ± 0.357 $\chi^2/\text{NDF}: 1387847.6/24$

Right Out: 1774.814 ± 0.290 $\chi^2/\text{NDF}: 1478851.4/36$

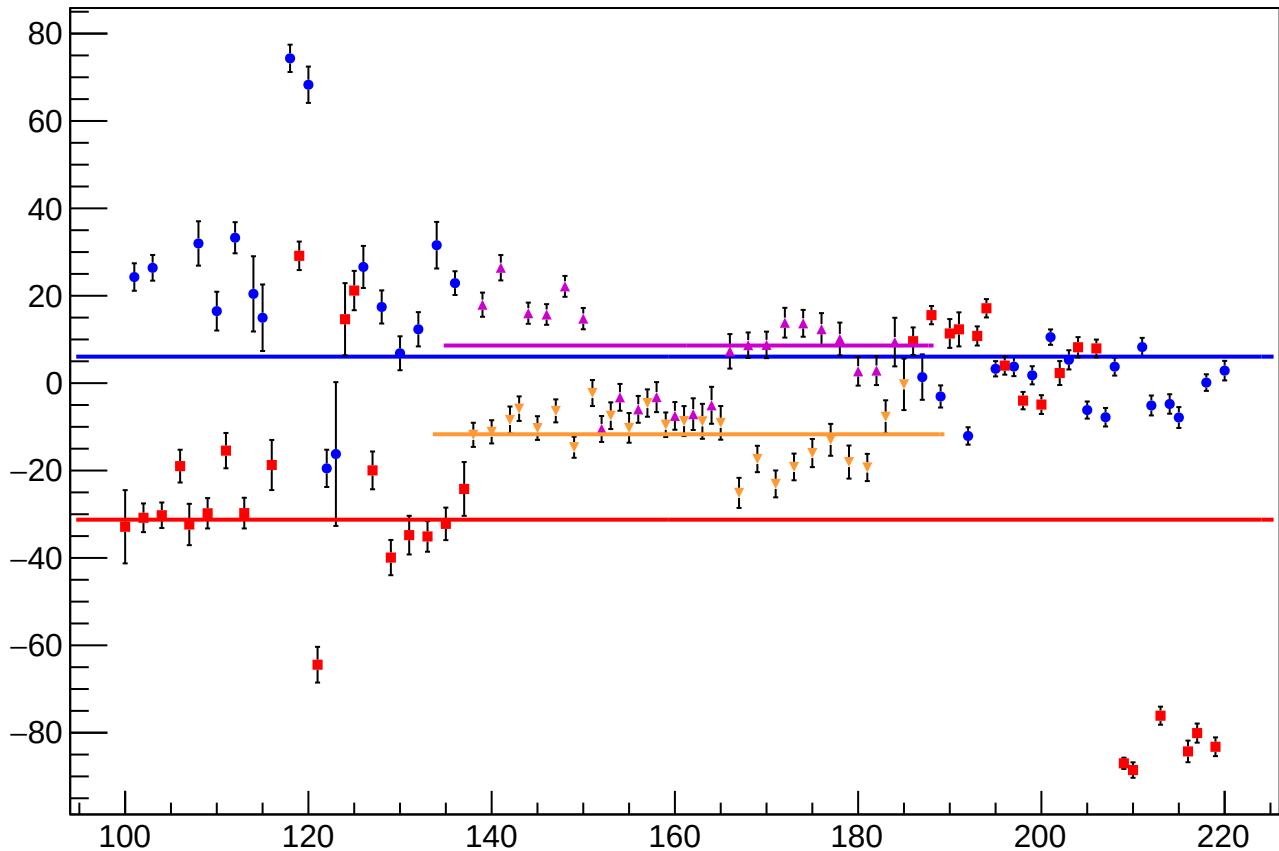
Left In: 2101.325 ± 0.366 $\chi^2/\text{NDF}: 1360518.3/22$

+ sign 1932.342 ± 0.229 $\chi^2/\text{NDF}: 3066549.1/58$

All: 1916.377 ± 0.161 $\chi^2/\text{NDF}: 6404598.3/11$

- sign 1900.638 ± 0.227 $\chi^2/\text{NDF}: 3328385.9/59$

diff_bpm1i06Y_mean vs Slug



Right In: 6.066 ± 0.457 χ^2/NDF : 1293.5/33

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -31.244 ± 0.443 χ^2/NDF : 8854.8/36

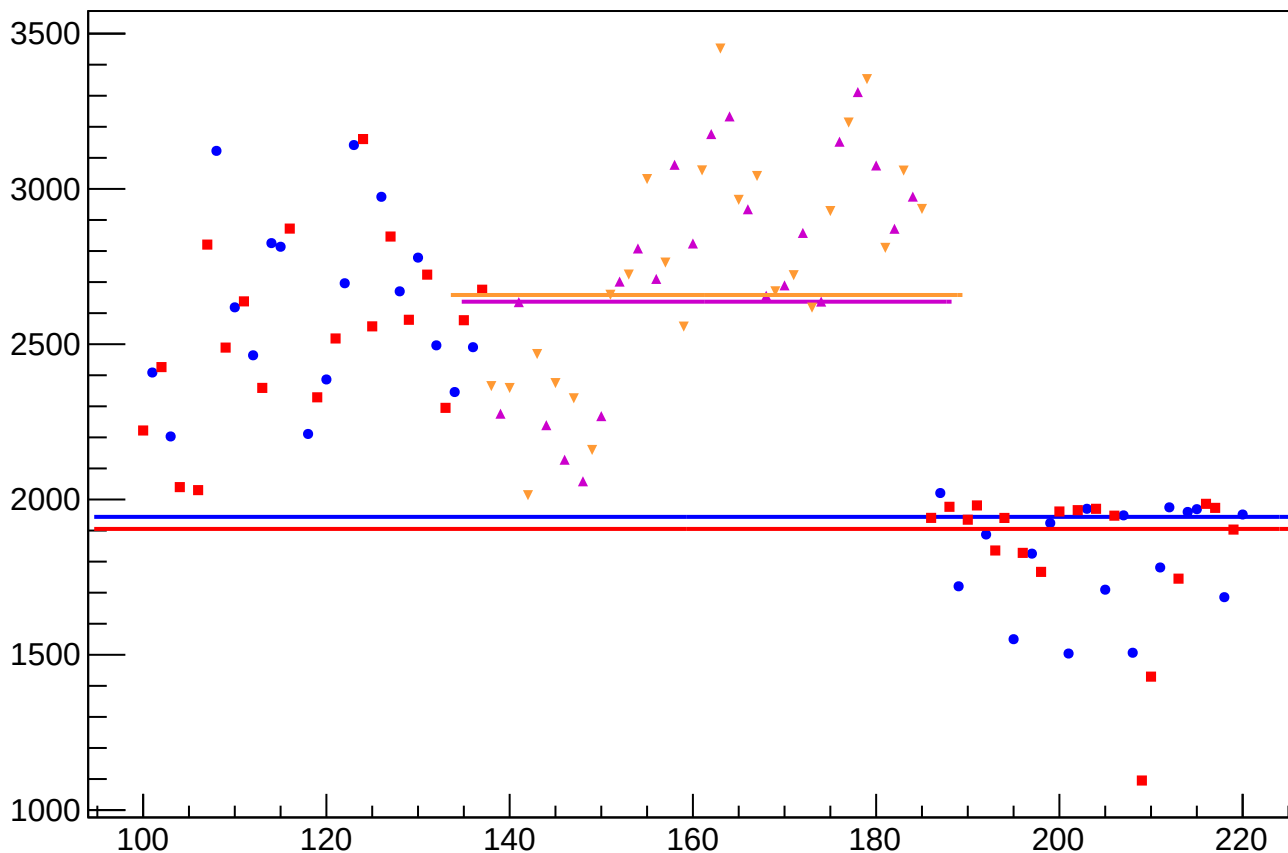
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.123 ± 0.369 χ^2/NDF : 1904.3/58

All: -9.358 ± 0.259 χ^2/NDF : 14869.7/118

- sign -18.376 ± 0.365 χ^2/NDF : 11728.4/59

diff_bpm1i06Y_rms vs Slug



Right In: 1944.077 $\pm$ 0.323 χ^2 /NDF: 1220683.9/33

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 1905.259 $\pm$ 0.313 χ^2 /NDF: 1828247.8/36

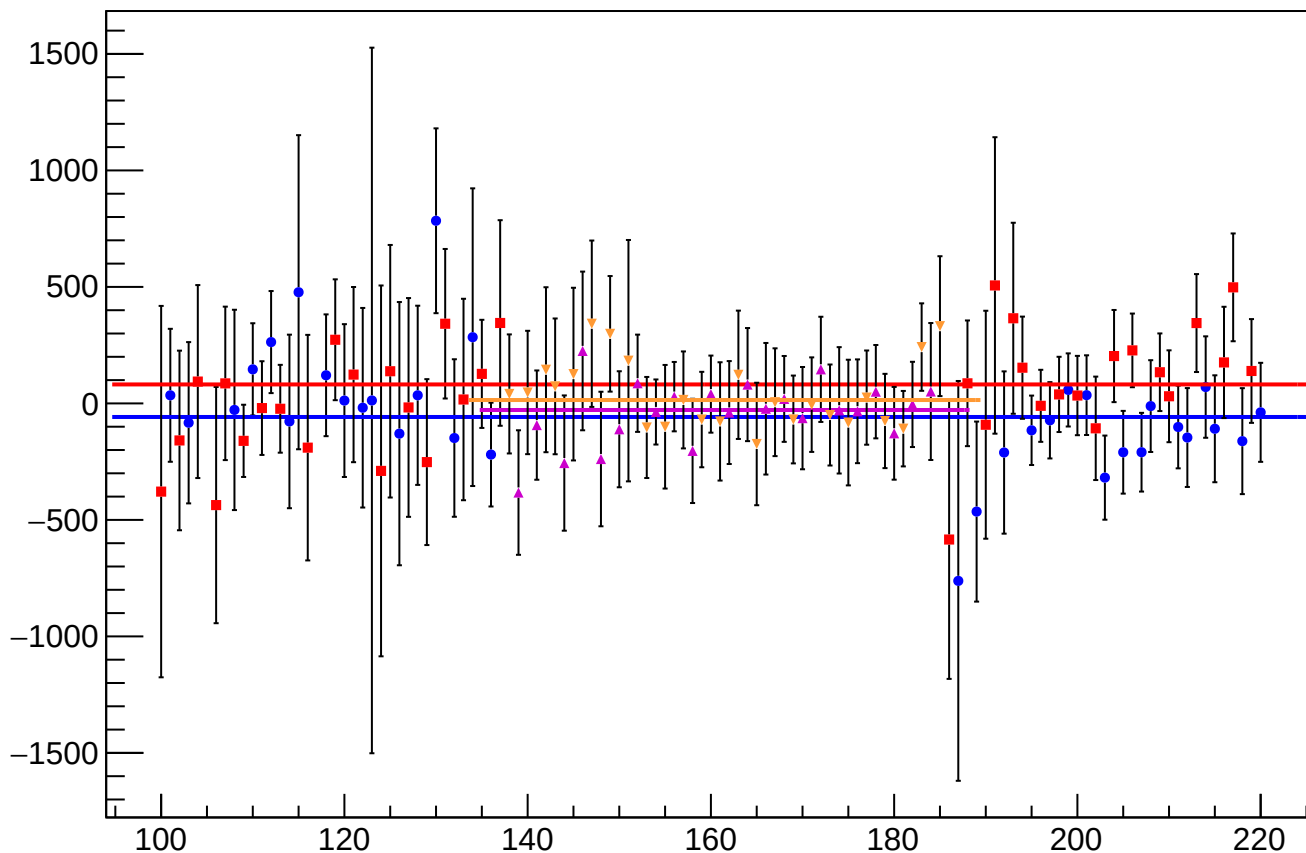
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2192.927 $\pm$ 0.261 χ^2 /NDF: 3539313.9/58

All: 2166.914 $\pm$ 0.183 χ^2 /NDF: 7799144.7/11

- sign 2141.512 $\pm$ 0.258 χ^2 /NDF: 4240200.3/59

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -58.243 ± 41.121 χ^2/NDF : 17.4/33

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 81.445 ± 40.982 χ^2/NDF : 17.9/36

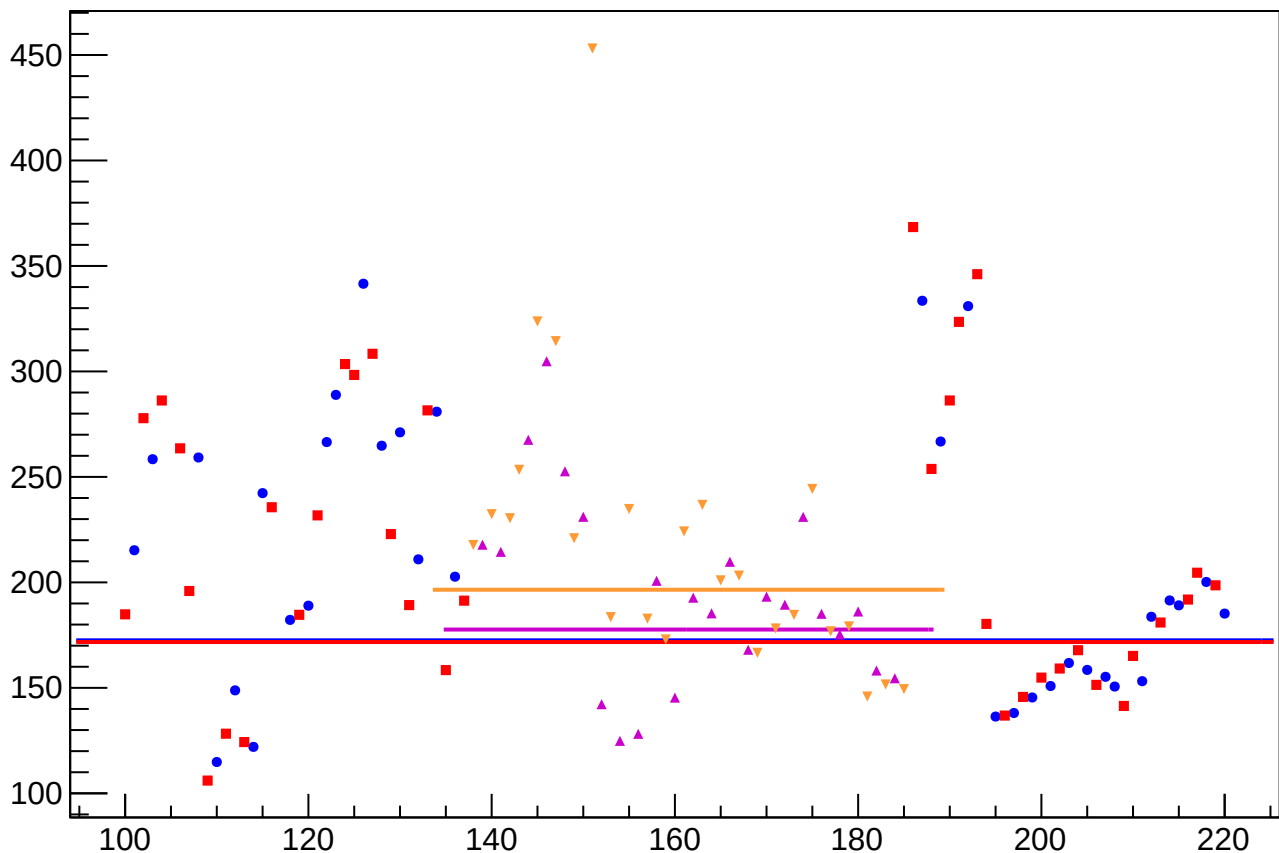
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign -27.093 ± 31.097 χ^2/NDF : 26.6/58

All: 2.942 ± 21.661 χ^2/NDF : 55.9/118

- sign 31.247 ± 30.188 χ^2/NDF : 27.5/59

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.534 $\pm$ 0.029 χ^2 /NDF: 2212485.2/33

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF: 1789504.4/24

Right Out: 171.729 $\pm$ 0.029 χ^2 /NDF: 2930600.8/36

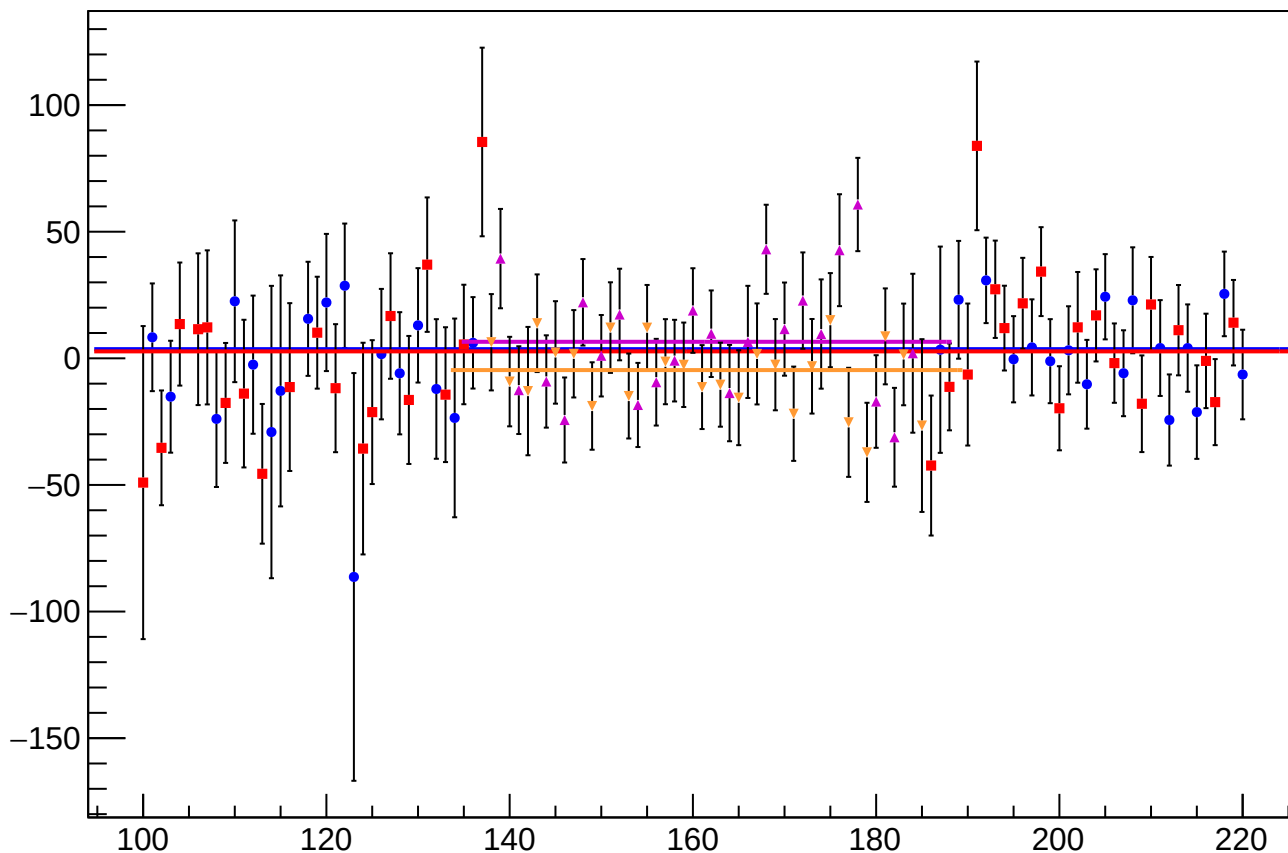
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 182.800 $\pm$ 0.022 χ^2 /NDF: 4293167.8/58

All: 178.493 $\pm$ 0.015 χ^2 /NDF: 8947997.1/118

- sign 174.434 $\pm$ 0.021 χ^2 /NDF: 4580315.4/59

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.626+/-3.658 χ^2/NDF : 19.9/33

Left Out: -4.646+/-3.728 χ^2/NDF : 12.1/24

Right Out: 2.740+/-3.624 χ^2/NDF : 40.7/36

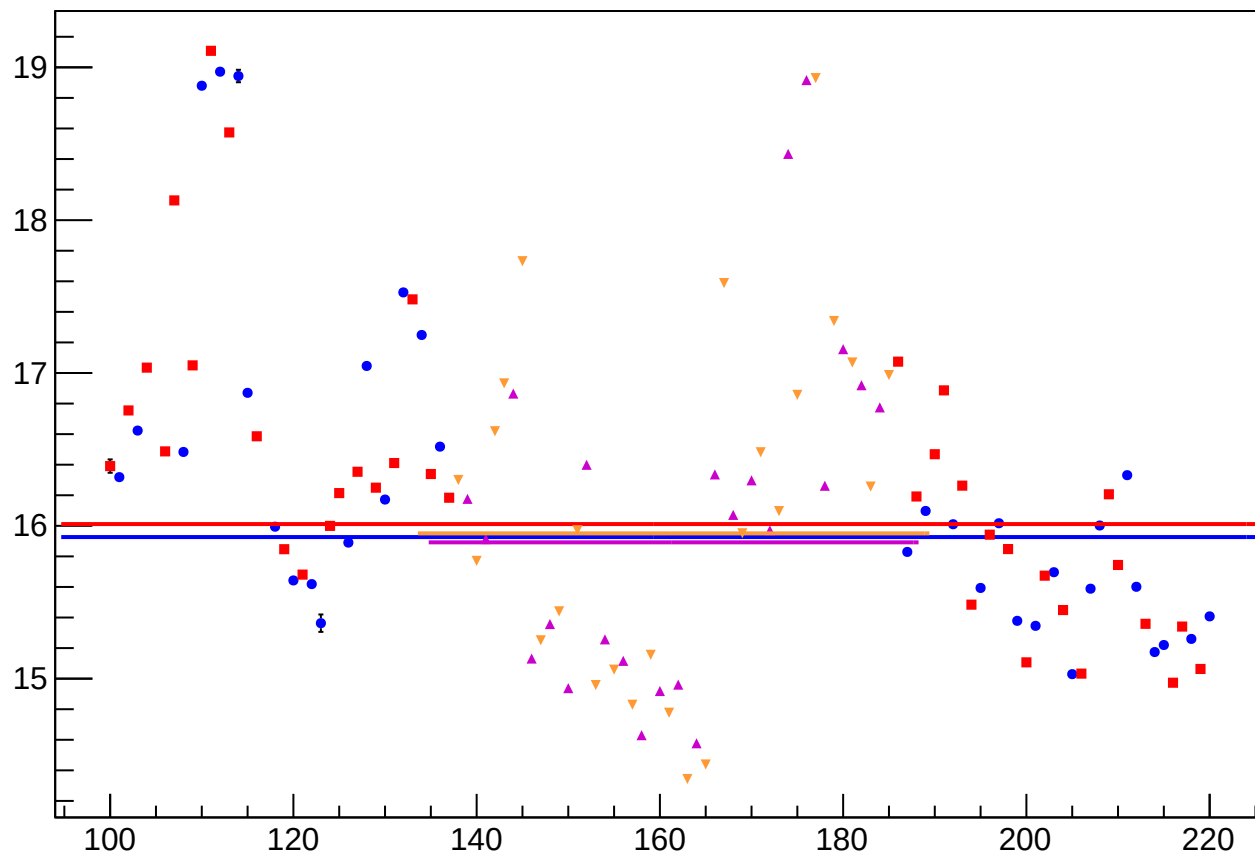
Left In: 6.526+/-3.828 χ^2/NDF : 36.4/22

+ sign -0.432+/-2.611 χ^2/NDF : 34.4/58

All: 2.030+/-1.854 χ^2/NDF : 113.9/118

- sign 4.530+/-2.632 χ^2/NDF : 77.7/59

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.927+/-0.003 χ^2/NDF : 93673.3/33

Left Out: 15.951+/-0.003 χ^2/NDF : 173458.5/24

Right Out: 16.011+/-0.003 χ^2/NDF : 110997.1/36

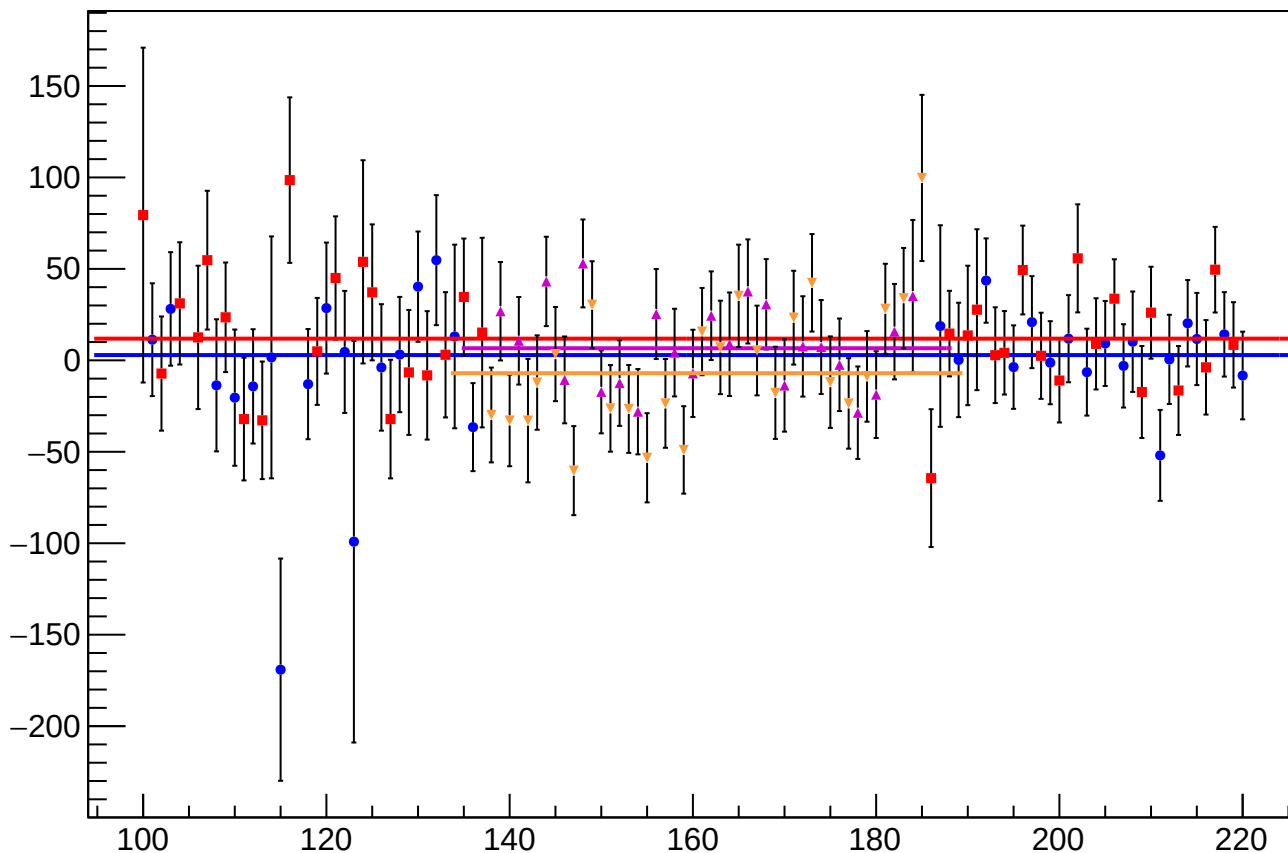
Left In: 15.892+/-0.003 χ^2/NDF : 147093.3/22

+ sign 15.938+/-0.002 χ^2/NDF : 267174.9/58

All: 15.947+/-0.001 χ^2/NDF : 526335.1/118

- sign 15.955+/-0.002 χ^2/NDF : 259120.3/59

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 2.879 ± 4.913 χ^2/NDF : 28.1/33

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 11.860 ± 4.867 χ^2/NDF : 32.4/36

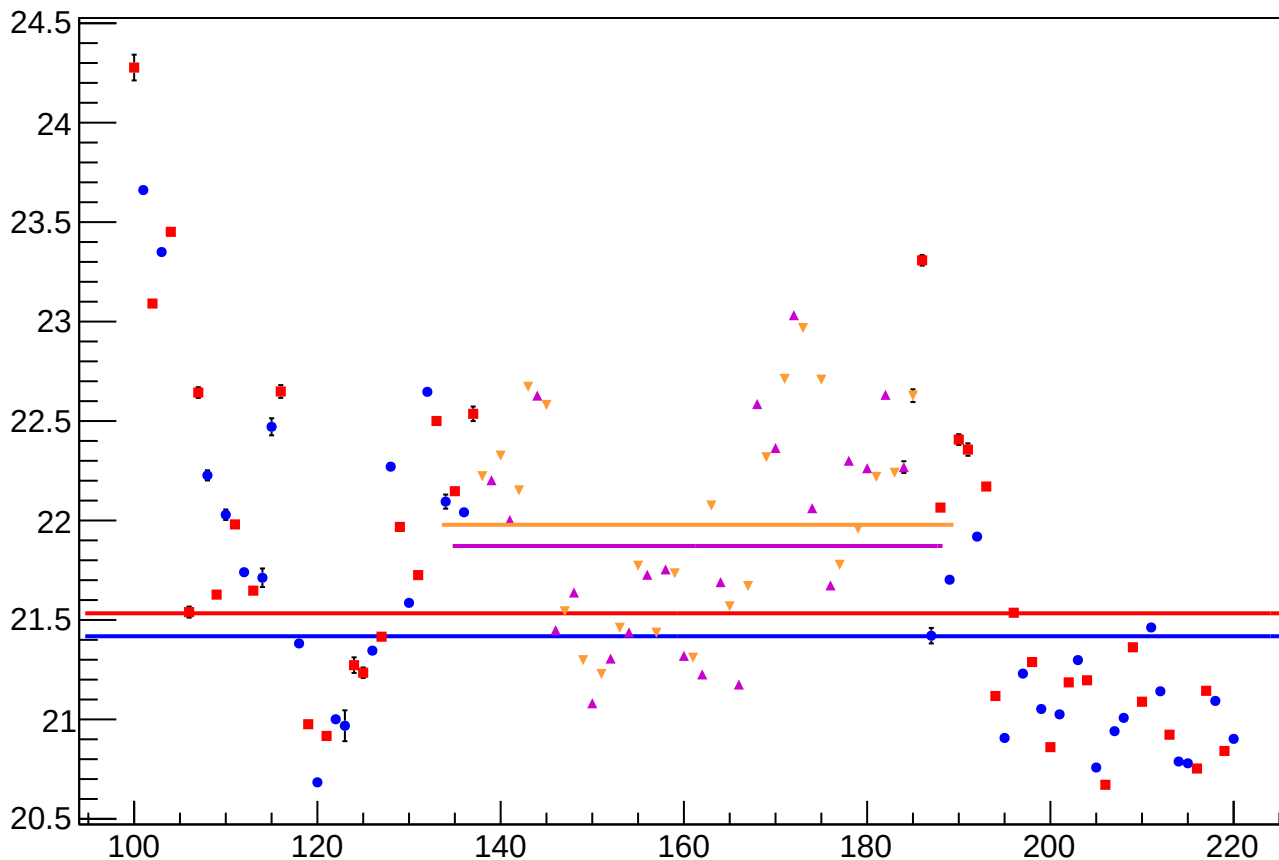
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -1.865 ± 3.545 χ^2/NDF : 67.5/58

All: 3.747 ± 2.515 χ^2/NDF : 124.6/118

- sign 9.435 ± 3.570 χ^2/NDF : 52.1/59

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.418 $\pm$ 0.003 χ^2 /NDF: 38118.0/33

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF:19430.2/24

Right Out: 21.533 $\pm$ 0.003 χ^2 /NDF: 42720.7/36

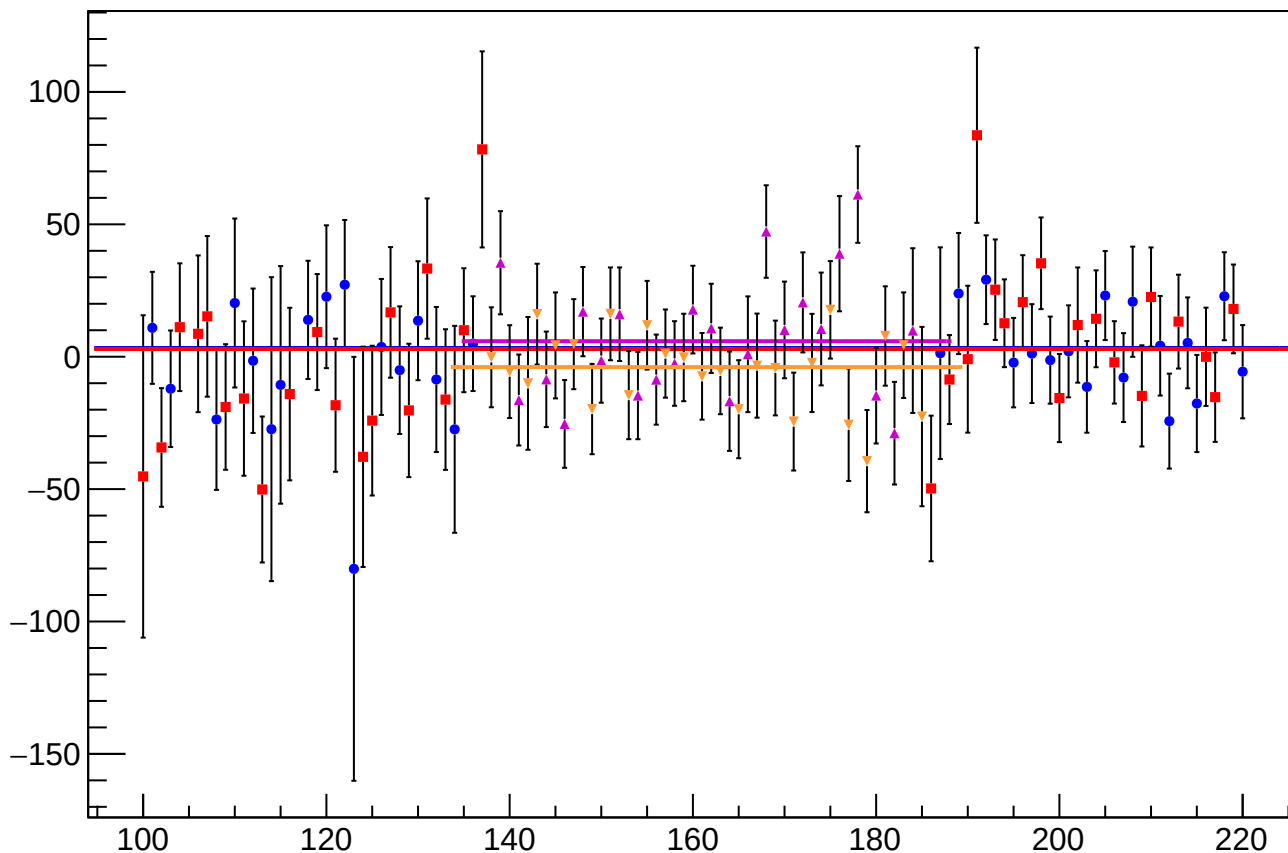
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.687 $\pm$ 0.003 χ^2 /NDF: 70014.7/58

All: 21.688 $\pm$ 0.002 χ^2 /NDF: 137729.0/118

- sign 21.690 $\pm$ 0.003 χ^2 /NDF: 67713.6/59

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.286 $\pm$ 3.633 χ^2 /NDF: 18.3/33

Left Out: -3.927 $\pm$ 3.688 χ^2 /NDF:14.0/24

Right Out: 2.922 $\pm$ 3.600 χ^2 /NDF: 41.4/36

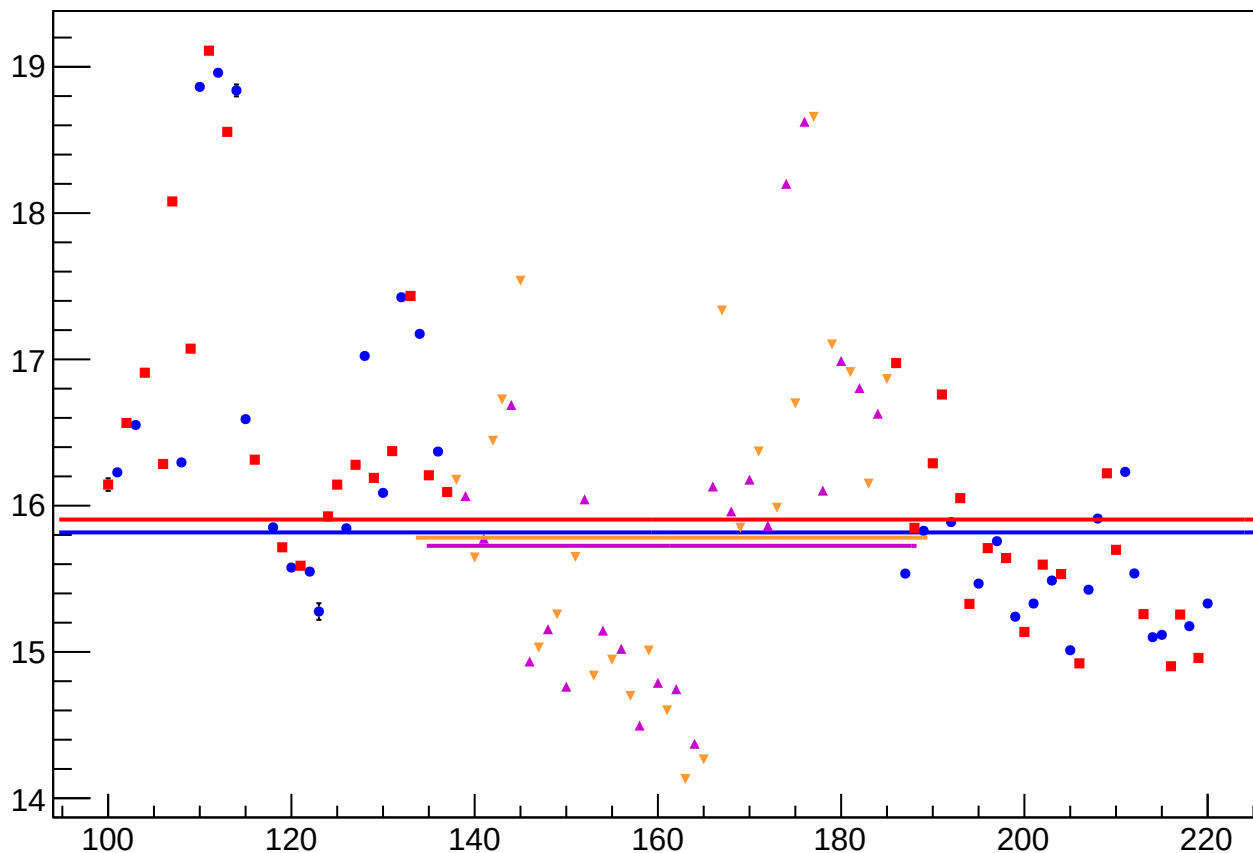
Left In: 5.861 $\pm$ 3.787 χ^2 /NDF:36.2/22

+ sign -0.267 $\pm$ 2.588 χ^2 /NDF: 34.2/58

All: 2.007 $\pm$ 1.838 χ^2 /NDF: 113.6/118

- sign 4.317 $\pm$ 2.609 χ^2 /NDF: 77.9/59

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.817 $\pm$ 0.003 χ^2 /NDF: 95410.1/33

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF:172894.3/24

Right Out: 15.905 $\pm$ 0.003 χ^2 /NDF: 112742.4/36

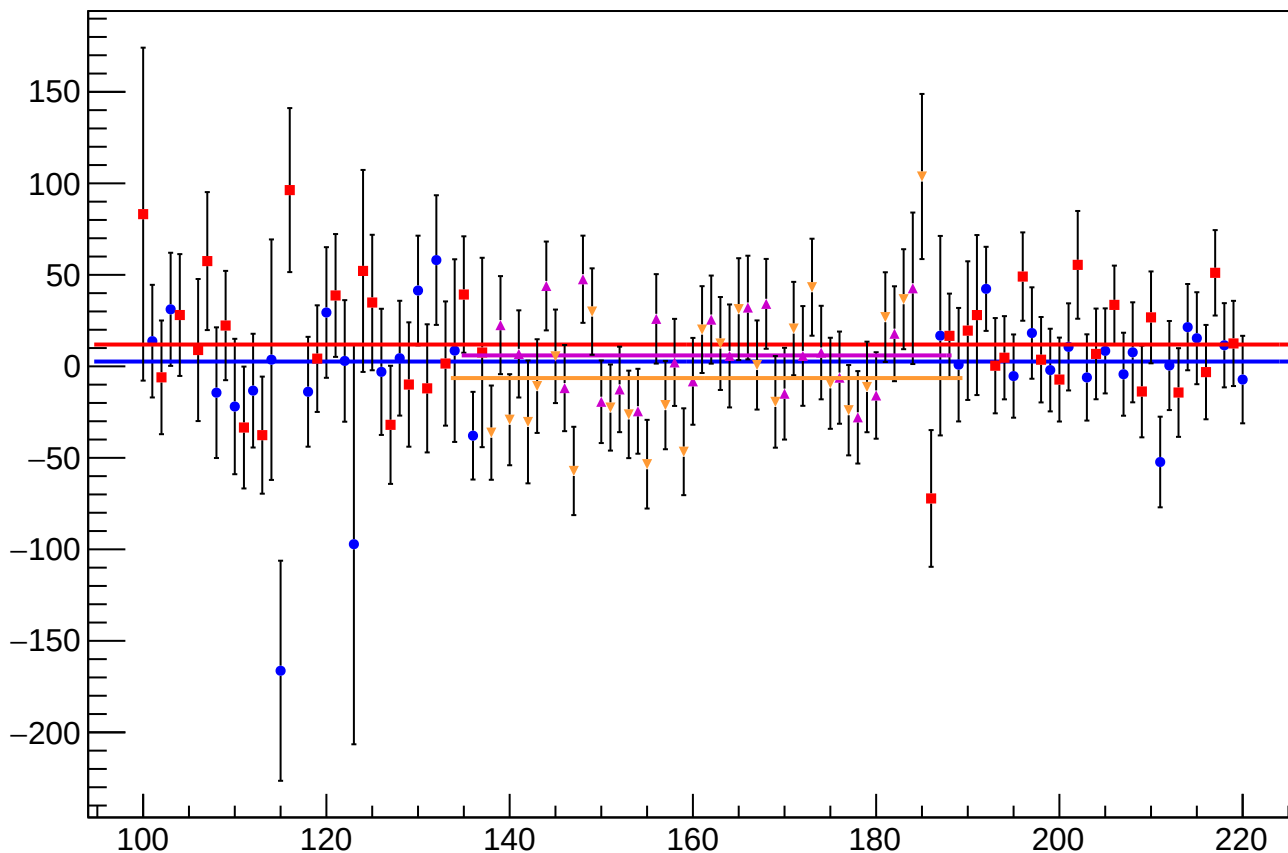
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF:145830.9/22

+ sign 15.799 $\pm$ 0.002 χ^2 /NDF: 268399.2/58

All: 15.809 $\pm$ 0.001 χ^2 /NDF: 529395.7/118

- sign 15.820 $\pm$ 0.002 χ^2 /NDF: 260935.3/59

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 2.627 ± 4.893 χ^2/NDF : 28.7/33

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 11.925 ± 4.844 χ^2/NDF : 33.5/36

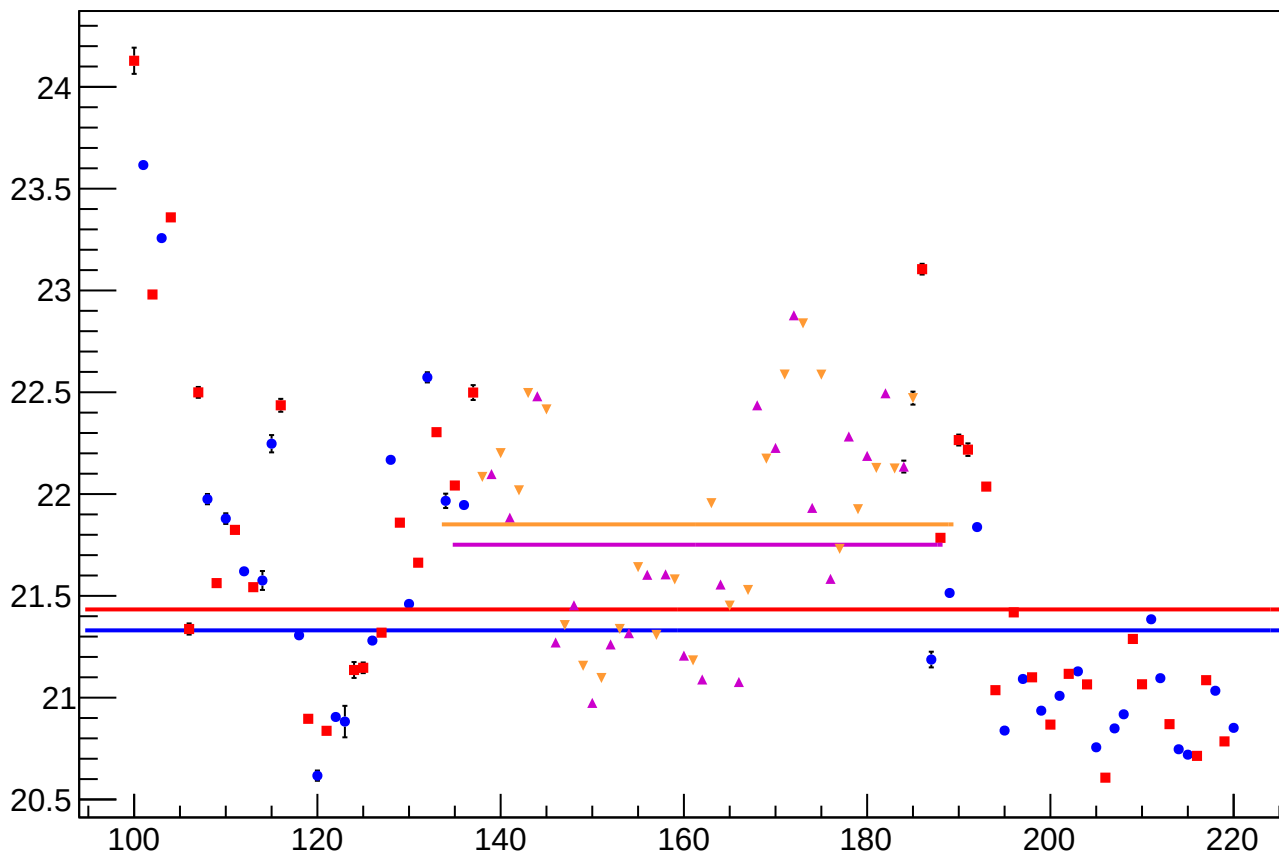
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -1.709 ± 3.528 χ^2/NDF : 67.7/58

All: 3.697 ± 2.503 χ^2/NDF : 125.2/118

- sign 9.175 ± 3.551 χ^2/NDF : 52.8/59

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.331 $\pm$ 0.003 χ^2 /NDF: 36914.3/33

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF:19631.8/24

Right Out: 21.433 $\pm$ 0.003 χ^2 /NDF: 39313.4/36

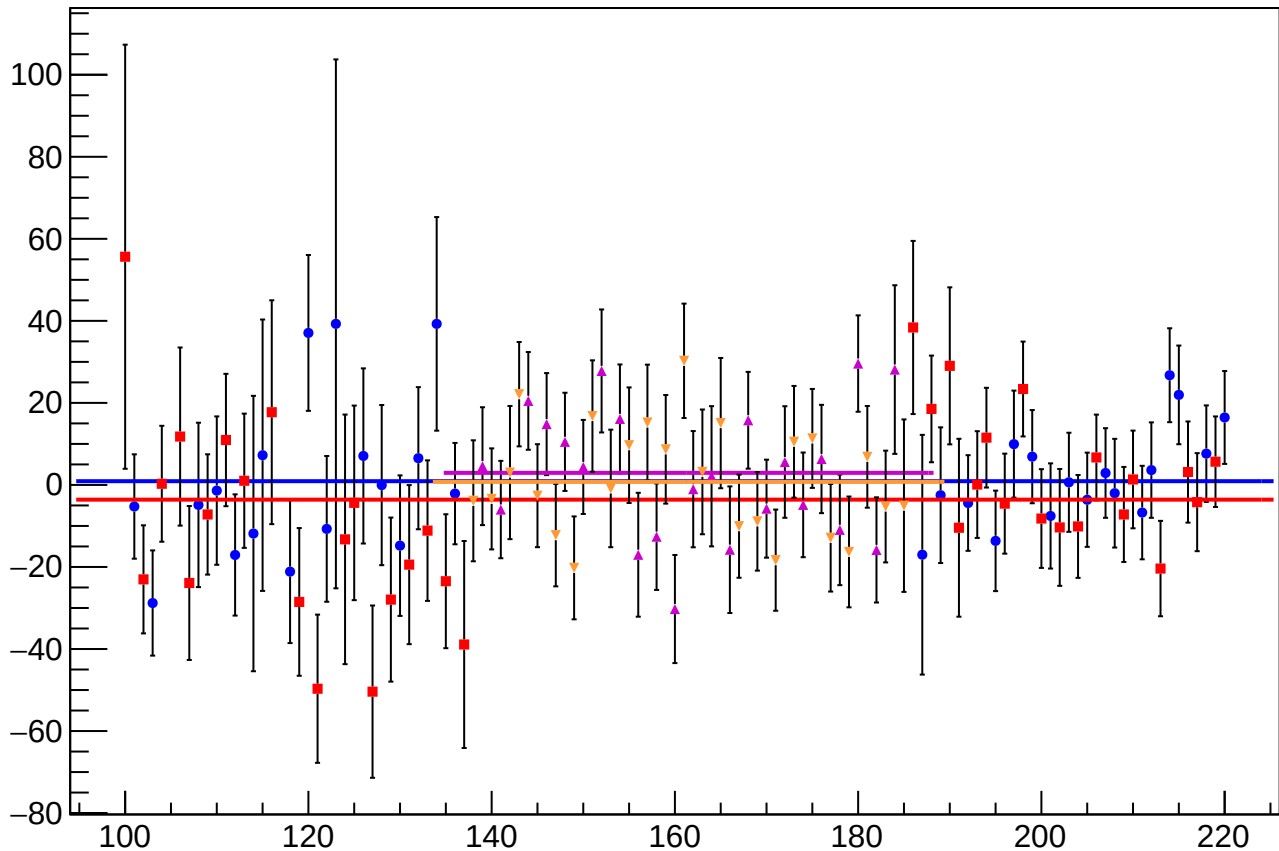
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

+ sign 21.581 $\pm$ 0.002 χ^2 /NDF: 67415.4/58

All: 21.580 $\pm$ 0.002 χ^2 /NDF: 131227.3/118

- sign 21.580 $\pm$ 0.003 χ^2 /NDF: 63811.9/59

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: 0.915 ± 2.462 χ^2/NDF : 31.0/33

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -3.586 ± 2.456 χ^2/NDF : 48.0/36

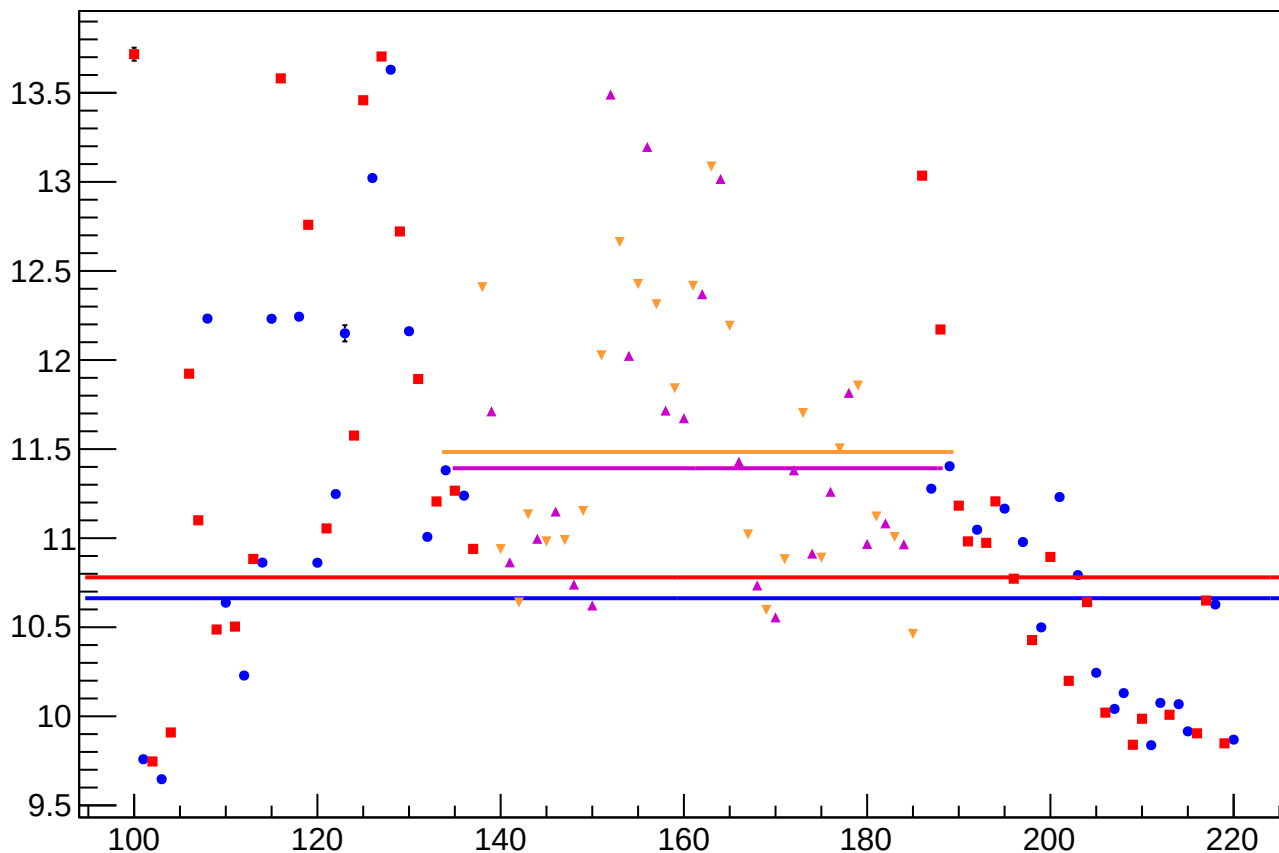
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign 0.844 ± 1.819 χ^2/NDF : 54.8/58

All: 0.080 ± 1.291 χ^2/NDF : 137.2/118

- sign -0.697 ± 1.834 χ^2/NDF : 82.0/59

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.663 $\pm$ 0.002 χ^2 /NDF: 220825.6/33

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 10.780 $\pm$ 0.002 χ^2 /NDF: 295131.0/36

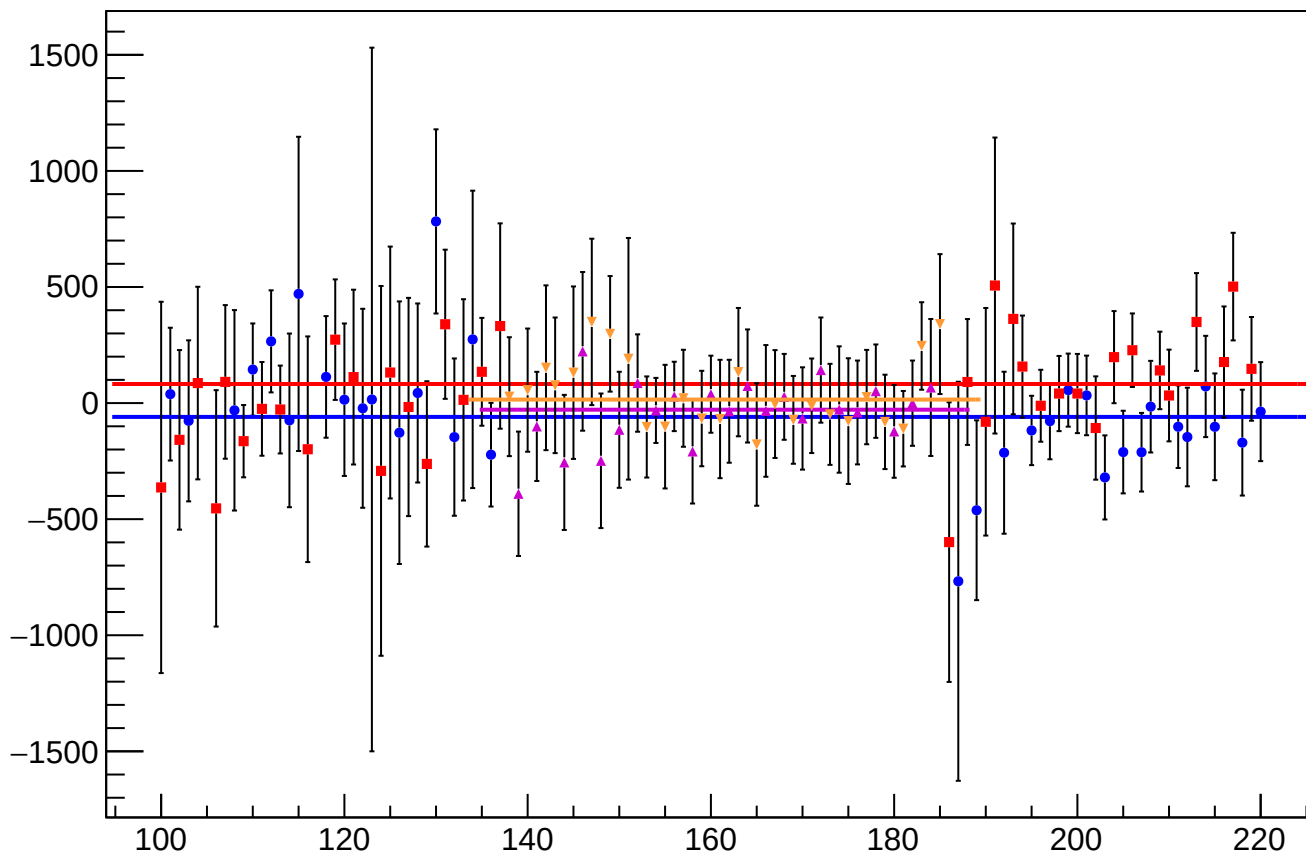
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.036 $\pm$ 0.001 χ^2 /NDF: 451635.3/58

All: 11.043 $\pm$ 0.001 χ^2 /NDF: 952317.4/118

- sign 11.051 $\pm$ 0.001 χ^2 /NDF: 500613.1/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -59.560 ± 41.221 χ^2/NDF : 17.4/33

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 82.211 ± 41.087 χ^2/NDF : 18.2/36

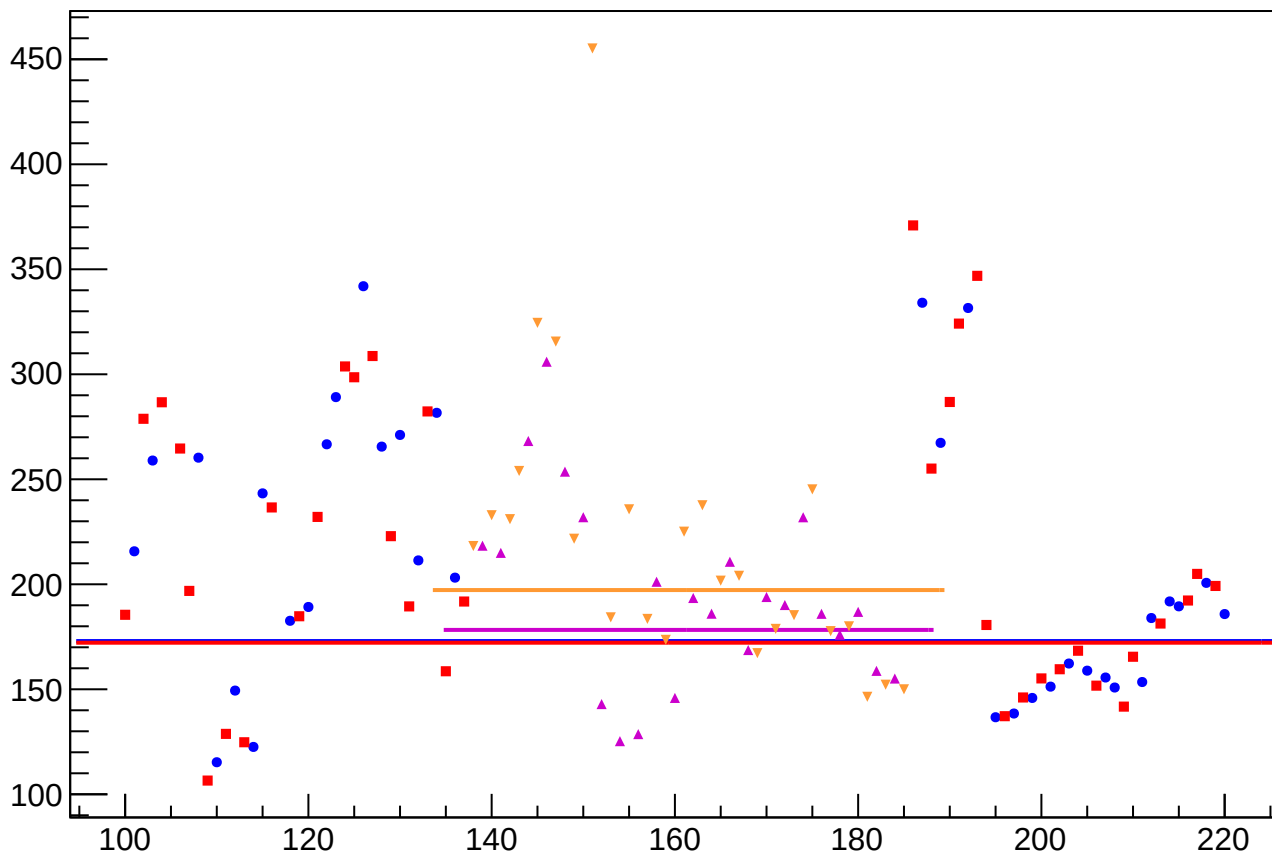
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign -27.632 ± 31.190 χ^2/NDF : 26.8/58

All: 2.875 ± 21.726 χ^2/NDF : 56.5/118

- sign 31.628 ± 30.280 χ^2/NDF : 27.9/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 172.964 $\pm$ 0.029 χ^2 /NDF: 2207619.4/33

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF:1786808.1/24

Right Out: 172.182 $\pm$ 0.029 χ^2 /NDF: 2926822.5/36

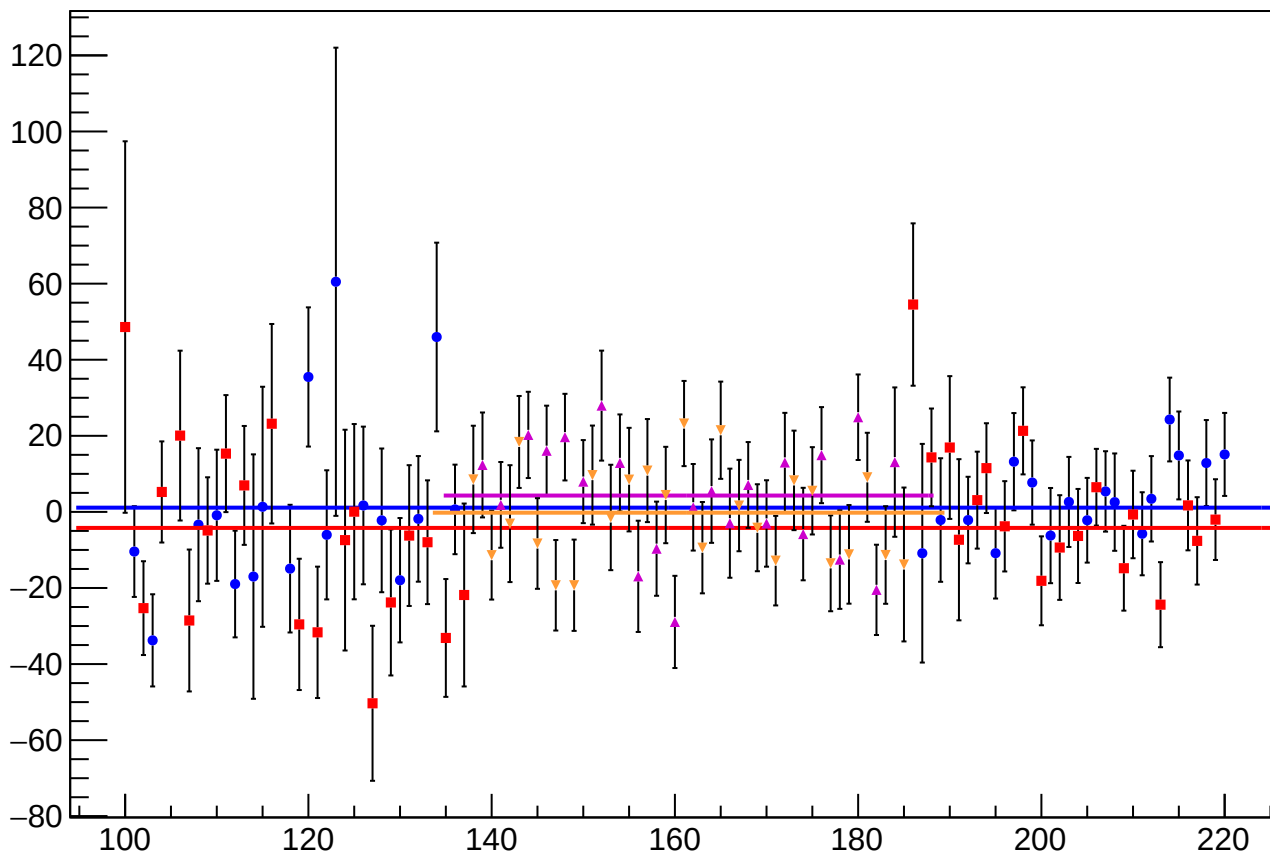
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF:1628916.6/22

+ sign 183.345 $\pm$ 0.022 χ^2 /NDF: 4291172.2/58

All: 179.032 $\pm$ 0.015 χ^2 /NDF: 8941318.8/118

- sign 174.967 $\pm$ 0.021 χ^2 /NDF: 4575847.1/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: 1.116 ± 2.374 χ^2/NDF : 34.1/33

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -4.209 ± 2.373 χ^2/NDF : 51.1/36

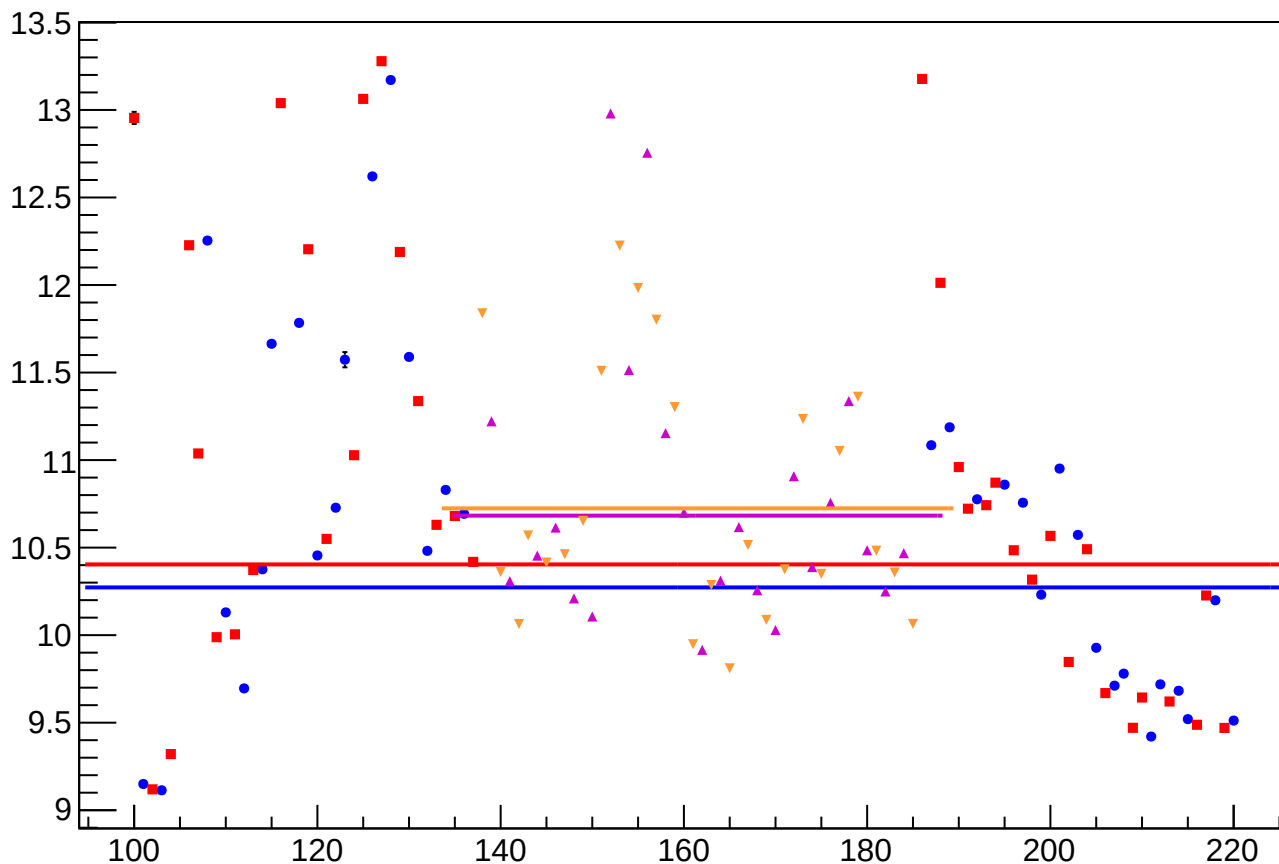
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign 0.493 ± 1.729 χ^2/NDF : 58.8/58

All: 0.089 ± 1.230 χ^2/NDF : 147.4/118

- sign -0.325 ± 1.749 χ^2/NDF : 88.5/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.273 ± 0.002 χ^2/NDF : 249610.1/33

Left Out: 10.724 ± 0.002 χ^2/NDF : 132558.9/24

Right Out: 10.404 ± 0.002 χ^2/NDF : 339194.2/36

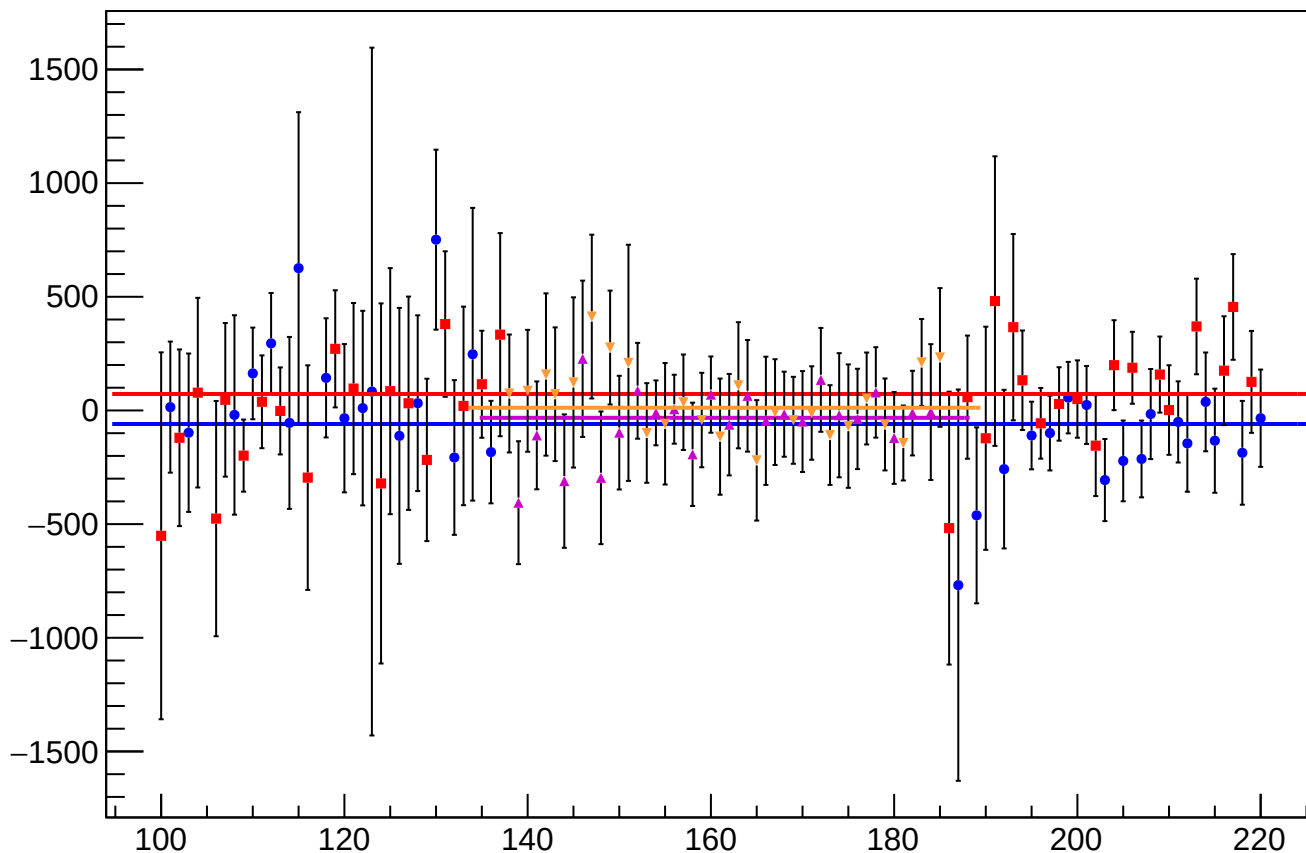
Left In: 10.683 ± 0.002 χ^2/NDF : 147835.6/22

+ sign 10.485 ± 0.001 χ^2/NDF : 416142.9/58

All: 10.508 ± 0.001 χ^2/NDF : 916473.5/118

- sign 10.531 ± 0.001 χ^2/NDF : 499613.4/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -59.641 ± 41.282 χ^2/NDF : 17.9/33

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 72.482 ± 41.207 χ^2/NDF : 18.7/36

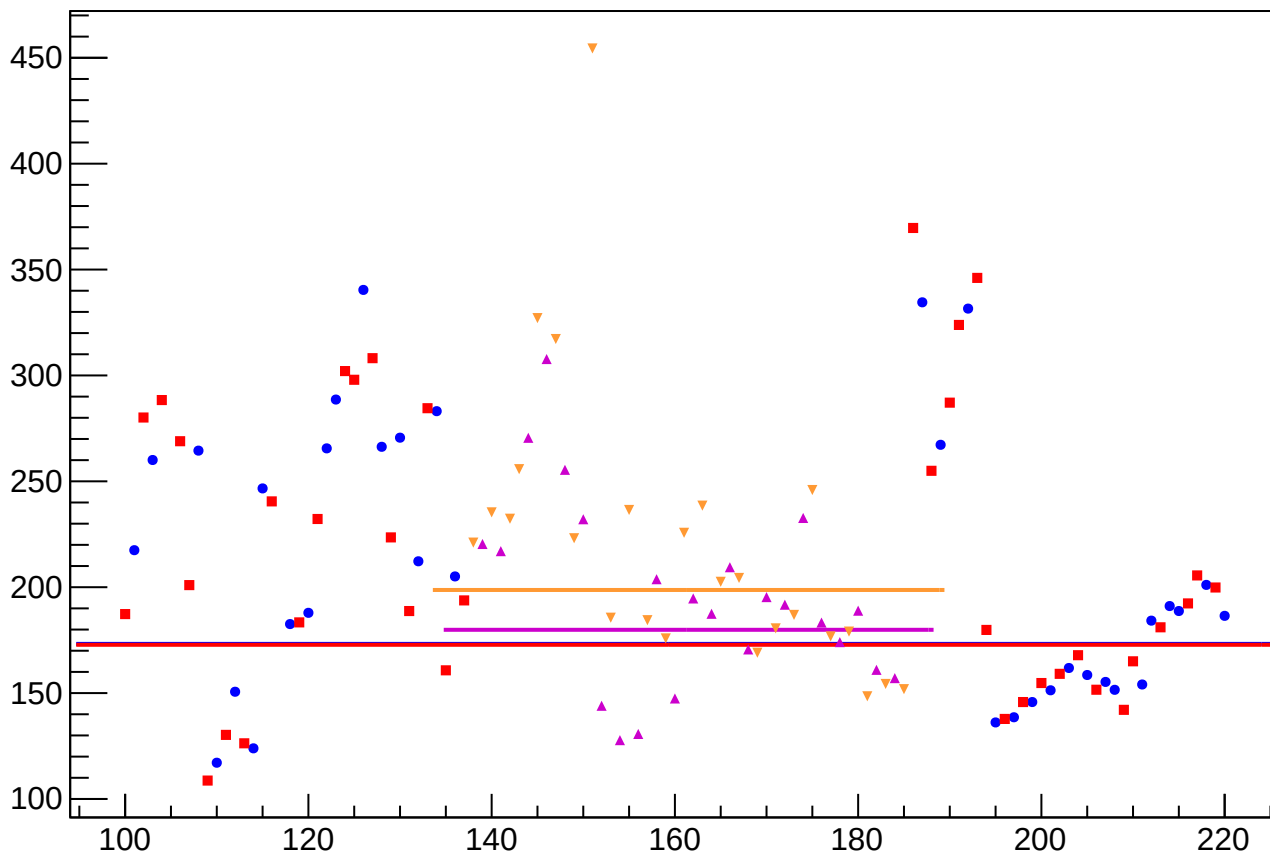
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign -29.243 ± 31.305 χ^2/NDF : 26.8/58

All: -1.453 ± 21.823 χ^2/NDF : 56.9/118

- sign 24.819 ± 30.438 χ^2/NDF : 28.5/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.232 $\pm$ 0.029 χ^2 /NDF: 2203391.4/33

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF:1759311.9/24

Right Out: 172.810 $\pm$ 0.029 χ^2 /NDF: 2884644.5/36

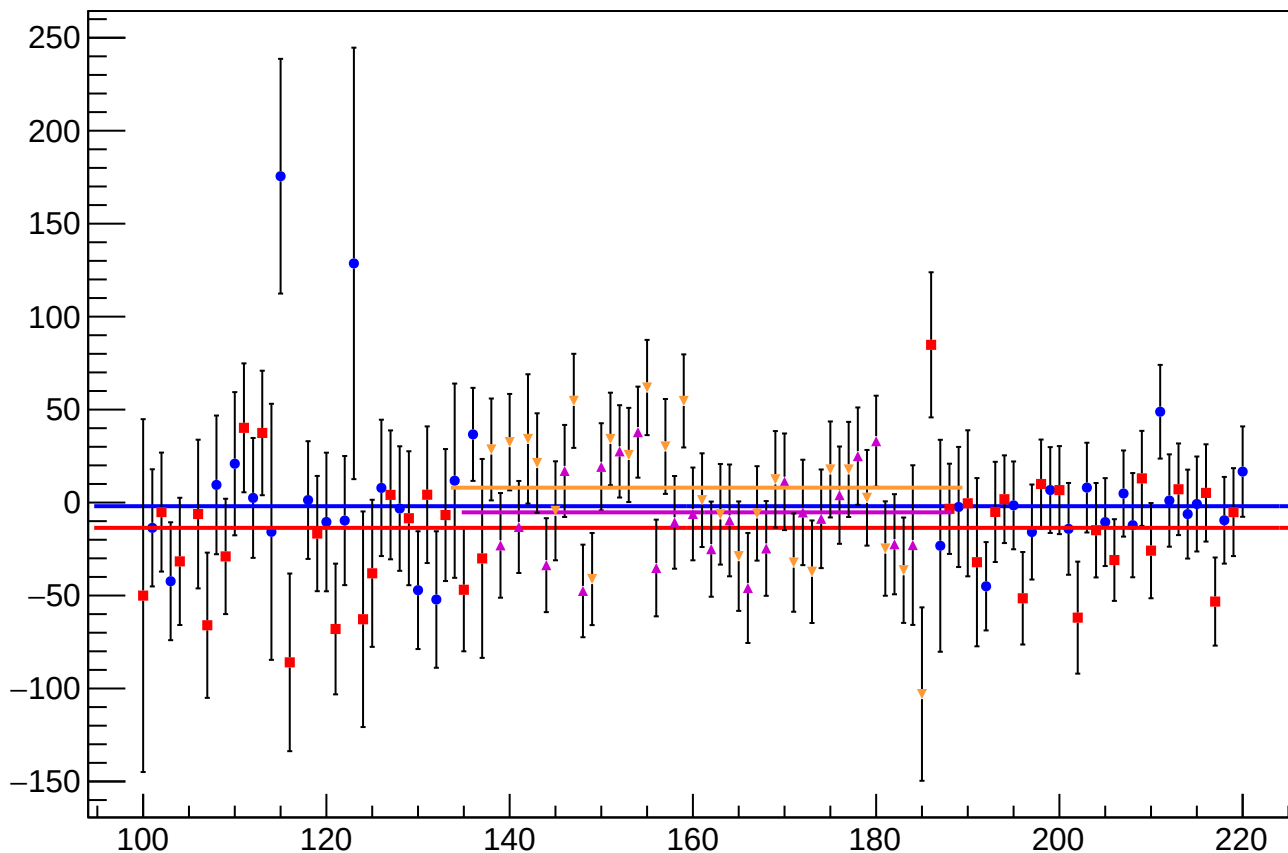
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 184.053 $\pm$ 0.022 χ^2 /NDF: 4286041.0/58

All: 179.927 $\pm$ 0.015 χ^2 /NDF: 8845715.5/118

- sign 176.026 $\pm$ 0.022 χ^2 /NDF: 4492078.0/59

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.958 ± 5.044 $\chi^2/\text{NDF}: 27.4/33$

Left Out: 8.004 ± 5.334 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -13.601 ± 5.007 $\chi^2/\text{NDF}: 34.8/36$

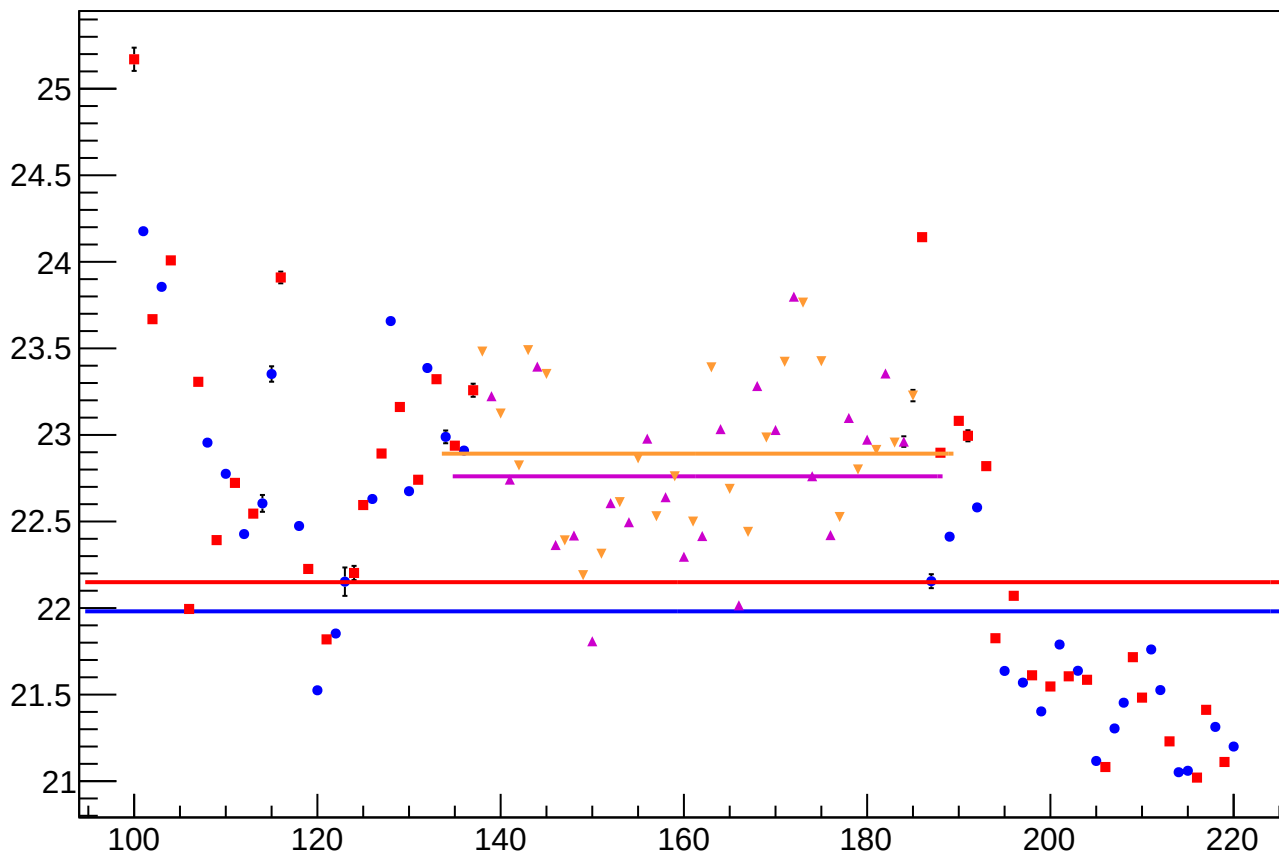
Left In: -5.261 ± 5.465 $\chi^2/\text{NDF}: 20.8/22$

+ sign 2.744 ± 3.665 $\chi^2/\text{NDF}: 66.7/58$

All: -3.479 ± 2.601 $\chi^2/\text{NDF}: 129.3/118$

- sign -9.794 ± 3.692 $\chi^2/\text{NDF}: 56.8/59$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.981 $\pm$ 0.004 χ^2/NDF : 53879.3/33

Left Out: 22.892 $\pm$ 0.004 χ^2/NDF : 12995.5/24

Right Out: 22.149 $\pm$ 0.004 χ^2/NDF : 59011.5/36

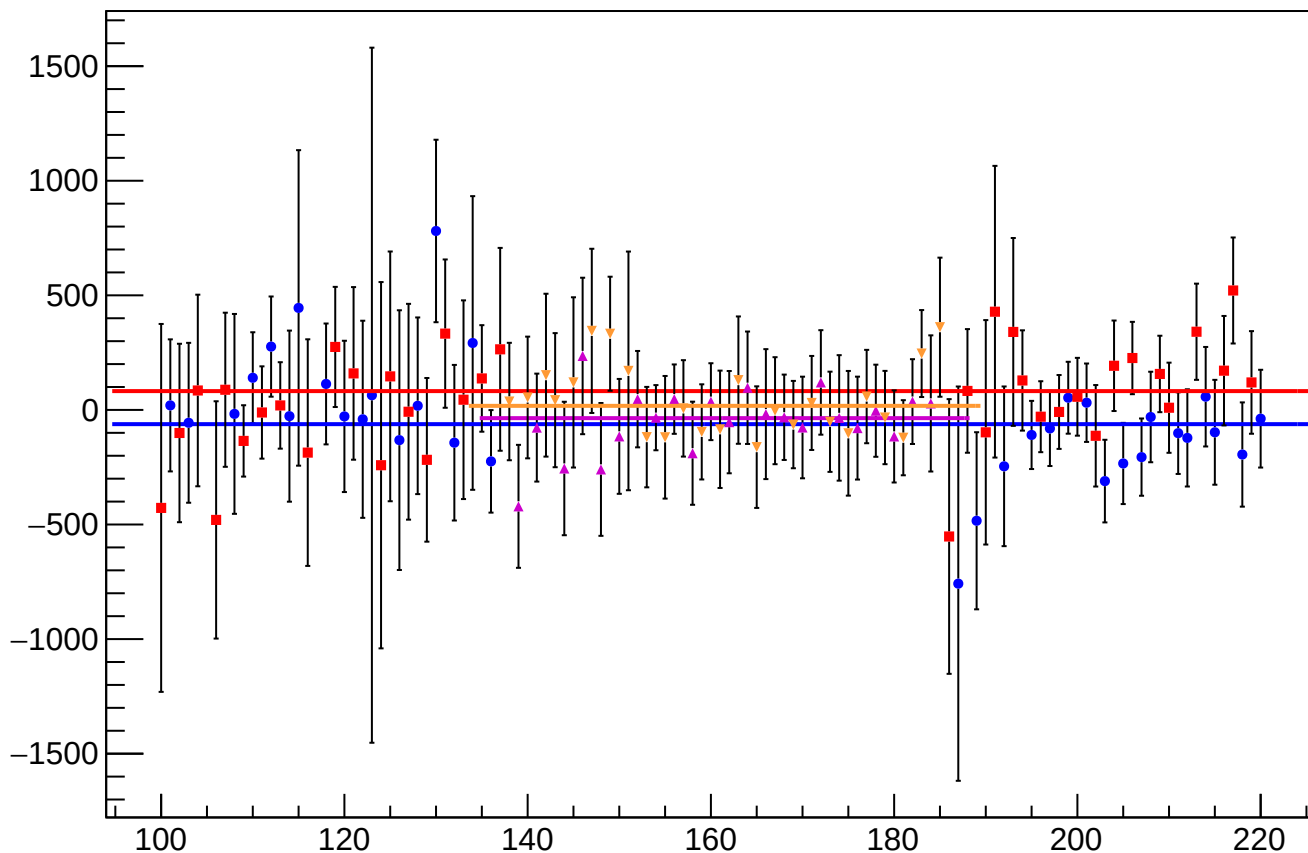
Left In: 22.761 $\pm$ 0.004 χ^2/NDF : 14550.0/22

+ sign 22.411 $\pm$ 0.003 χ^2/NDF : 97669.1/58

All: 22.420 $\pm$ 0.002 χ^2/NDF : 184864.6/118

- sign 22.429 $\pm$ 0.003 χ^2/NDF : 87172.7/59

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -62.082 ± 41.166 $\chi^2/\text{NDF}: 17.4/33$

Left Out: 17.777 ± 47.941 $\chi^2/\text{NDF}: 8.5/24$

Right Out: 82.100 ± 41.039 $\chi^2/\text{NDF}: 17.1/36$

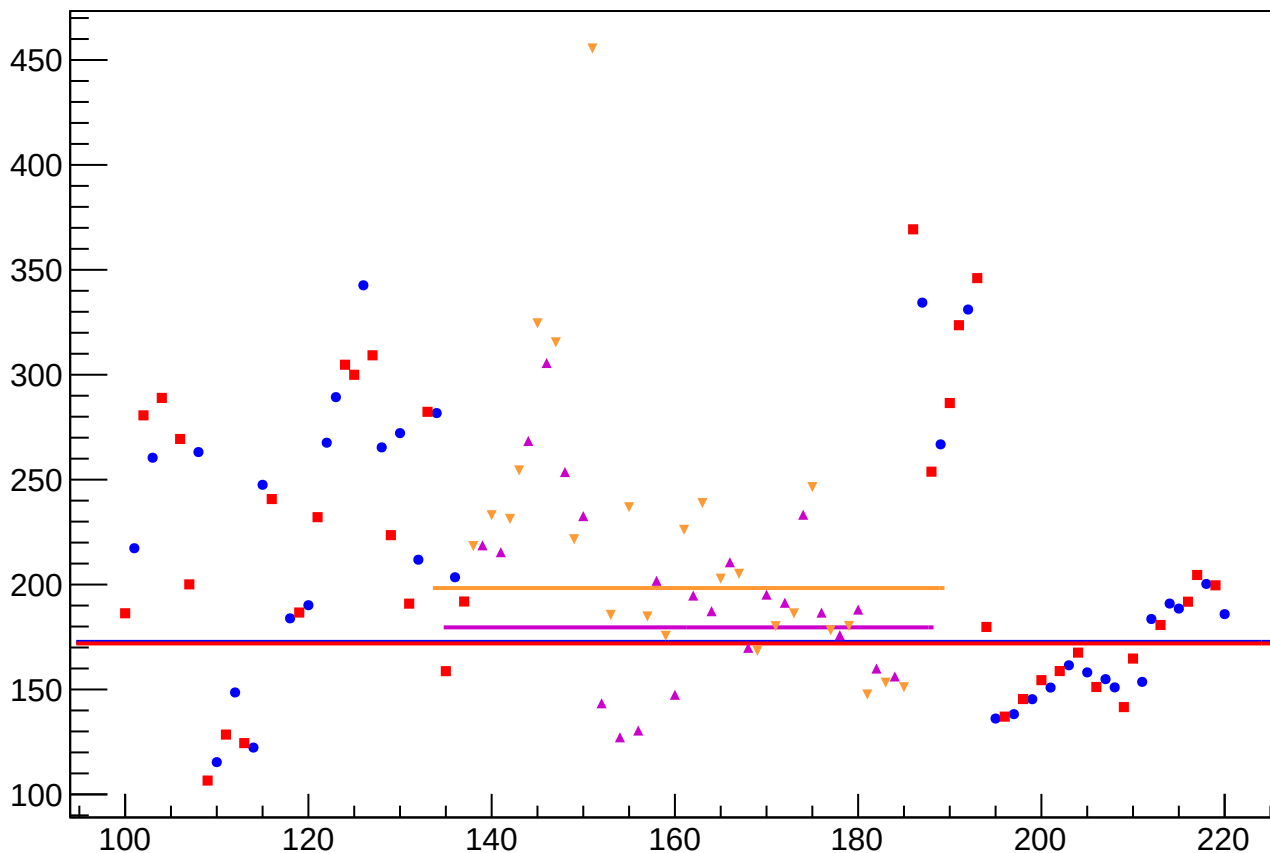
Left In: -35.879 ± 45.087 $\chi^2/\text{NDF}: 6.3/22$

+ sign -28.190 ± 31.232 $\chi^2/\text{NDF}: 27.6/58$

All: 1.041 ± 21.766 $\chi^2/\text{NDF}: 56.5/118$

- sign 28.644 ± 30.349 $\chi^2/\text{NDF}: 27.2/59$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.678+/-0.029 χ^2/NDF : 2234351.4/33

Left Out: 198.344+/-0.034 χ^2/NDF : 1757450.6/24

Right Out: 171.926+/-0.029 χ^2/NDF : 2955175.1/36

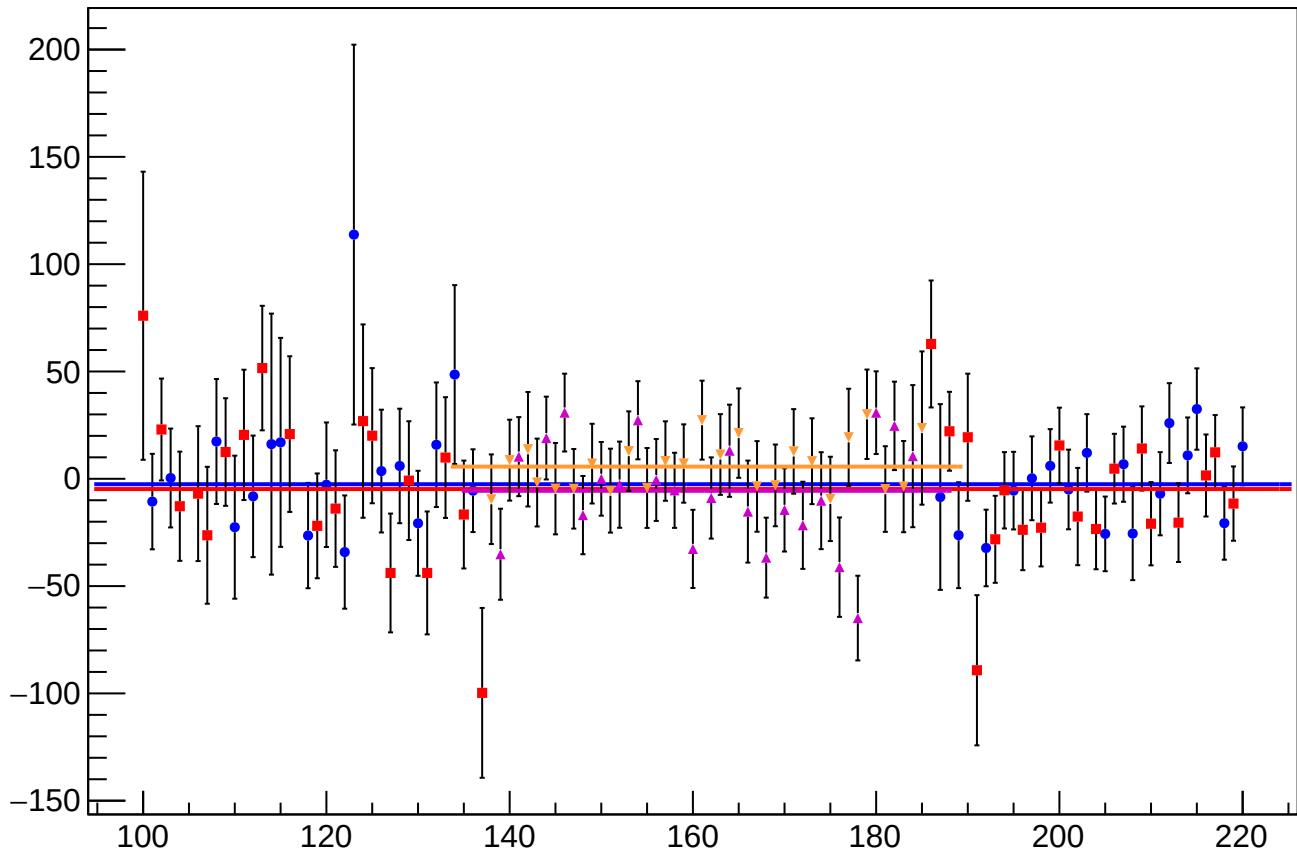
Left In: 179.605+/-0.032 χ^2/NDF : 1575744.0/22

+ sign 183.571+/-0.022 χ^2/NDF : 4321734.4/58

All: 179.371+/-0.015 χ^2/NDF : 8954691.4/118

- sign 175.405+/-0.021 χ^2/NDF : 4562646.1/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.542 ± 3.829 χ^2/NDF : 24.4/33

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -4.783 ± 3.807 χ^2/NDF : 44.4/36

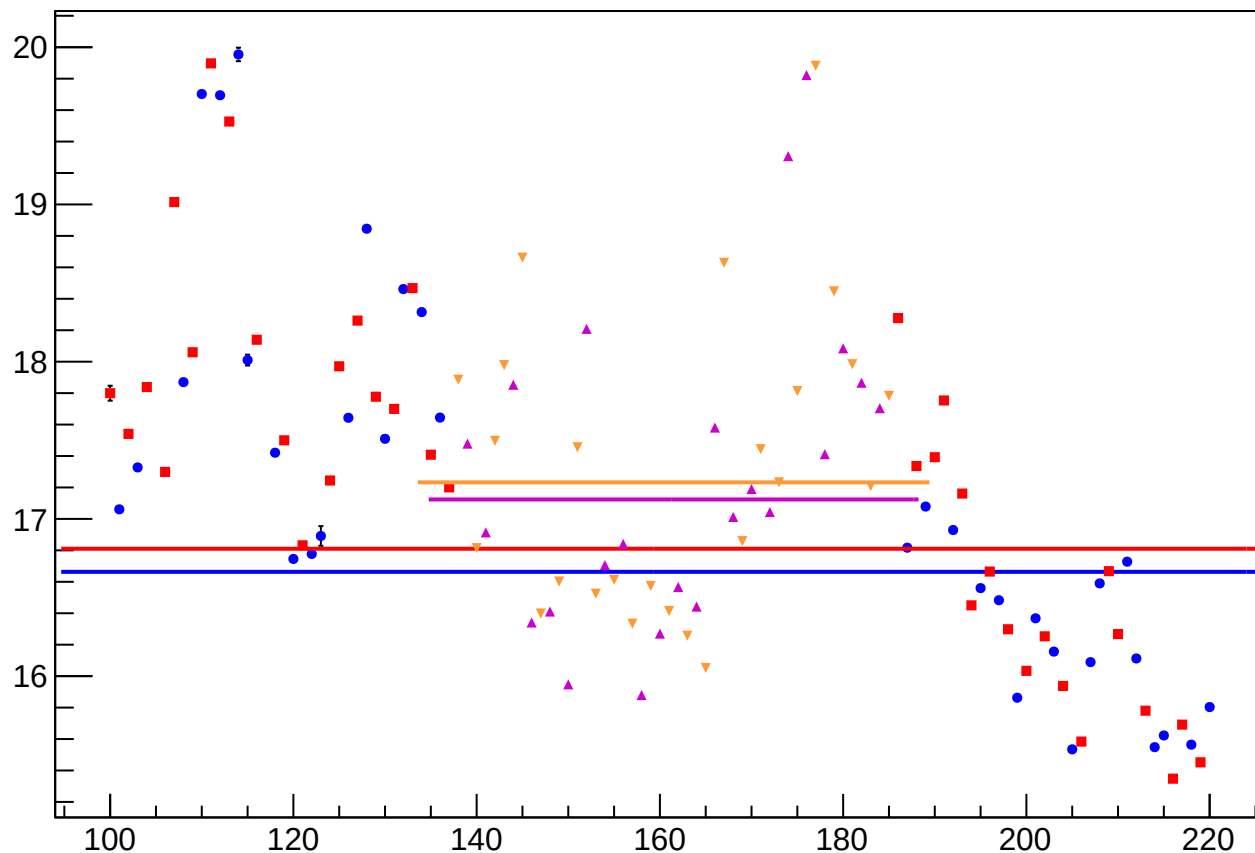
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 1.366 ± 2.774 χ^2/NDF : 34.3/58

All: -1.869 ± 1.969 χ^2/NDF : 117.9/118

- sign -5.157 ± 2.797 χ^2/NDF : 80.8/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.663 $\pm$ 0.003 χ^2 /NDF: 135691.2/33

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 16.810 $\pm$ 0.003 χ^2 /NDF: 157207.6/36

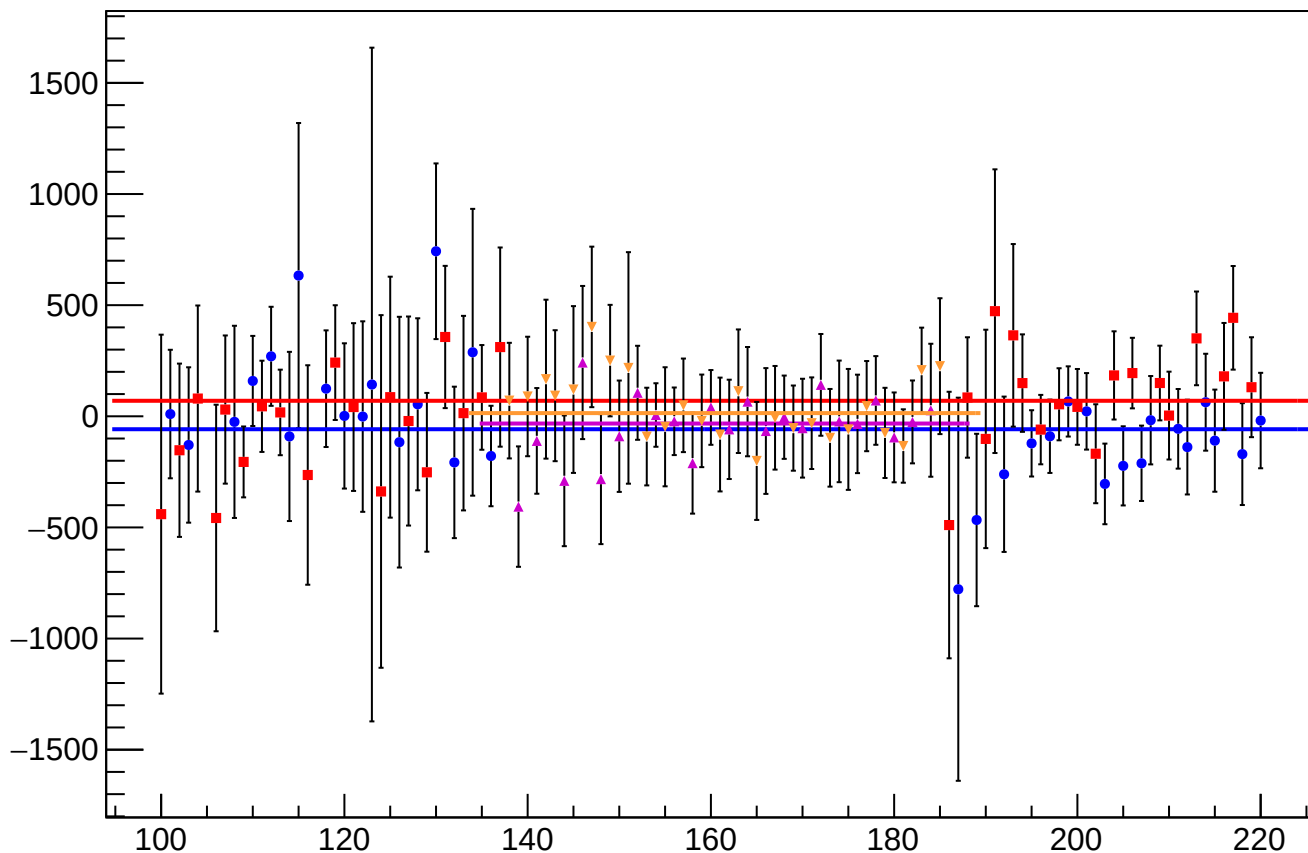
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 16.934 $\pm$ 0.002 χ^2 /NDF: 255381.2/58

All: 16.944 $\pm$ 0.001 χ^2 /NDF: 519631.3/118

- sign 16.955 $\pm$ 0.002 χ^2 /NDF: 264194.5/59

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -58.187 ± 41.407 χ^2/NDF : 17.5/33

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 69.798 ± 41.318 χ^2/NDF : 17.8/36

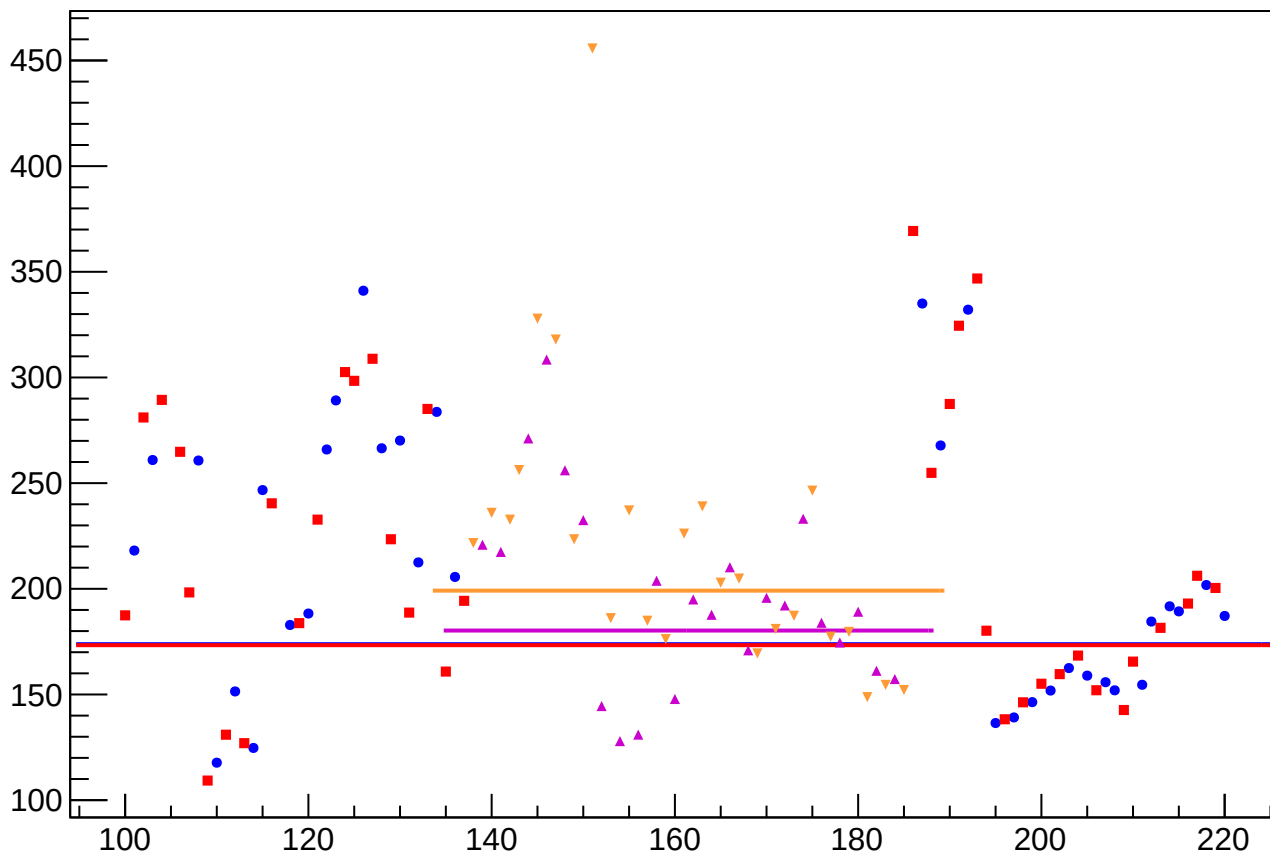
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign -27.329 ± 31.389 χ^2/NDF : 25.7/58

All: -1.322 ± 21.878 χ^2/NDF : 54.4/118

- sign 23.252 ± 30.511 χ^2/NDF : 27.3/59

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.799+/-0.029 χ^2/NDF : 2185222.2/33

Left Out: 199.136+/-0.034 χ^2/NDF :1760298.1/24

Right Out: 173.331+/-0.029 χ^2/NDF : 2859971.7/36

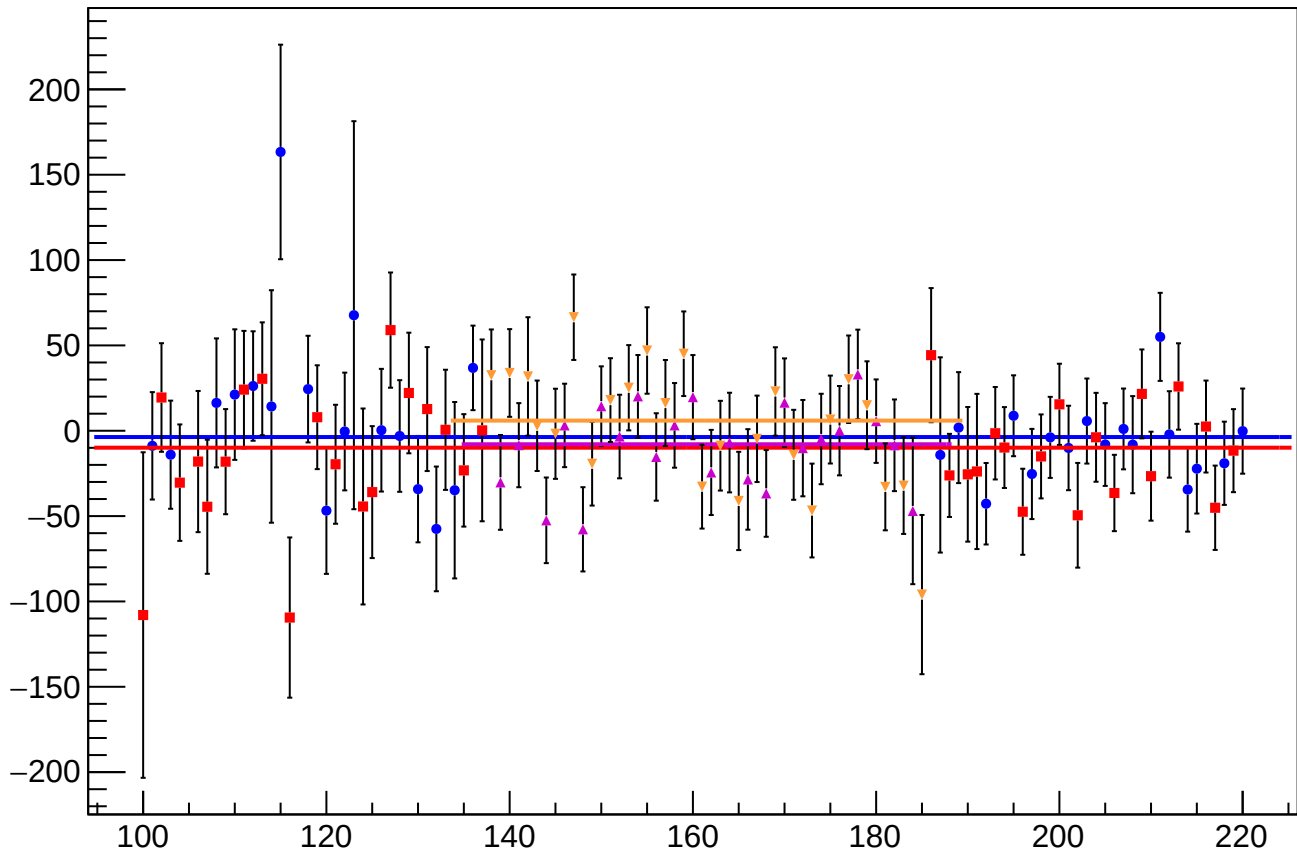
Left In: 180.256+/-0.032 χ^2/NDF :1580553.5/22

+ sign 184.575+/-0.022 χ^2/NDF : 4264035.5/58

All: 180.413+/-0.015 χ^2/NDF : 8798513.9/118

- sign 176.480+/-0.022 χ^2/NDF : 4466073.4/59

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.682 $\pm$ 5.103 χ^2/NDF : 29.2/33

Left Out: 5.937 $\pm$ 5.285 χ^2/NDF : 36.1/24

Right Out: -9.921 $\pm$ 5.050 χ^2/NDF : 32.4/36

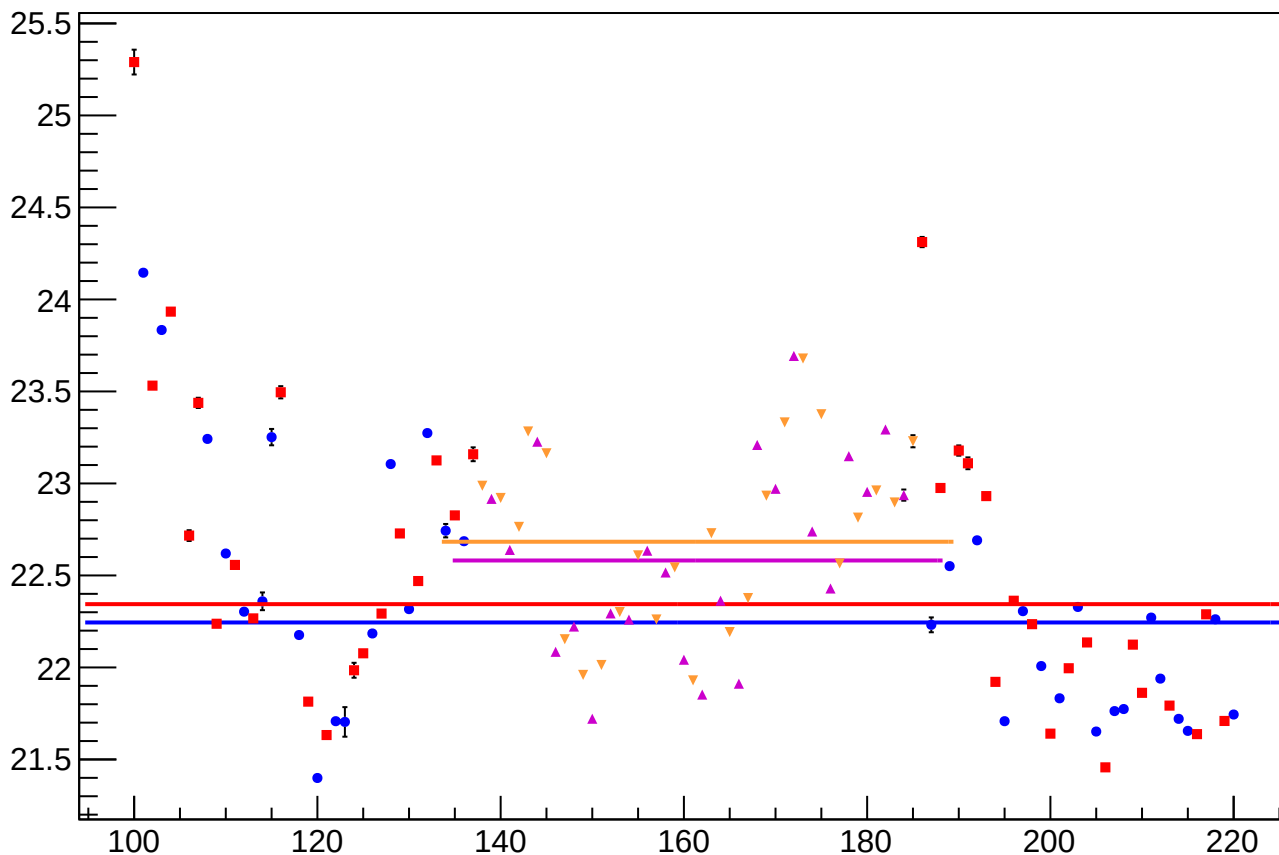
Left In: -7.915 $\pm$ 5.422 χ^2/NDF : 18.7/22

+ sign 0.959 $\pm$ 3.671 χ^2/NDF : 67.1/58

All: -3.982 $\pm$ 2.604 χ^2/NDF : 121.9/118

- sign -8.989 $\pm$ 3.695 χ^2/NDF : 51.1/59

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.244 $\pm$ 0.004 χ^2 /NDF: 28105.2/33

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16320.2/24

Right Out: 22.344 $\pm$ 0.004 χ^2 /NDF: 35078.7/36

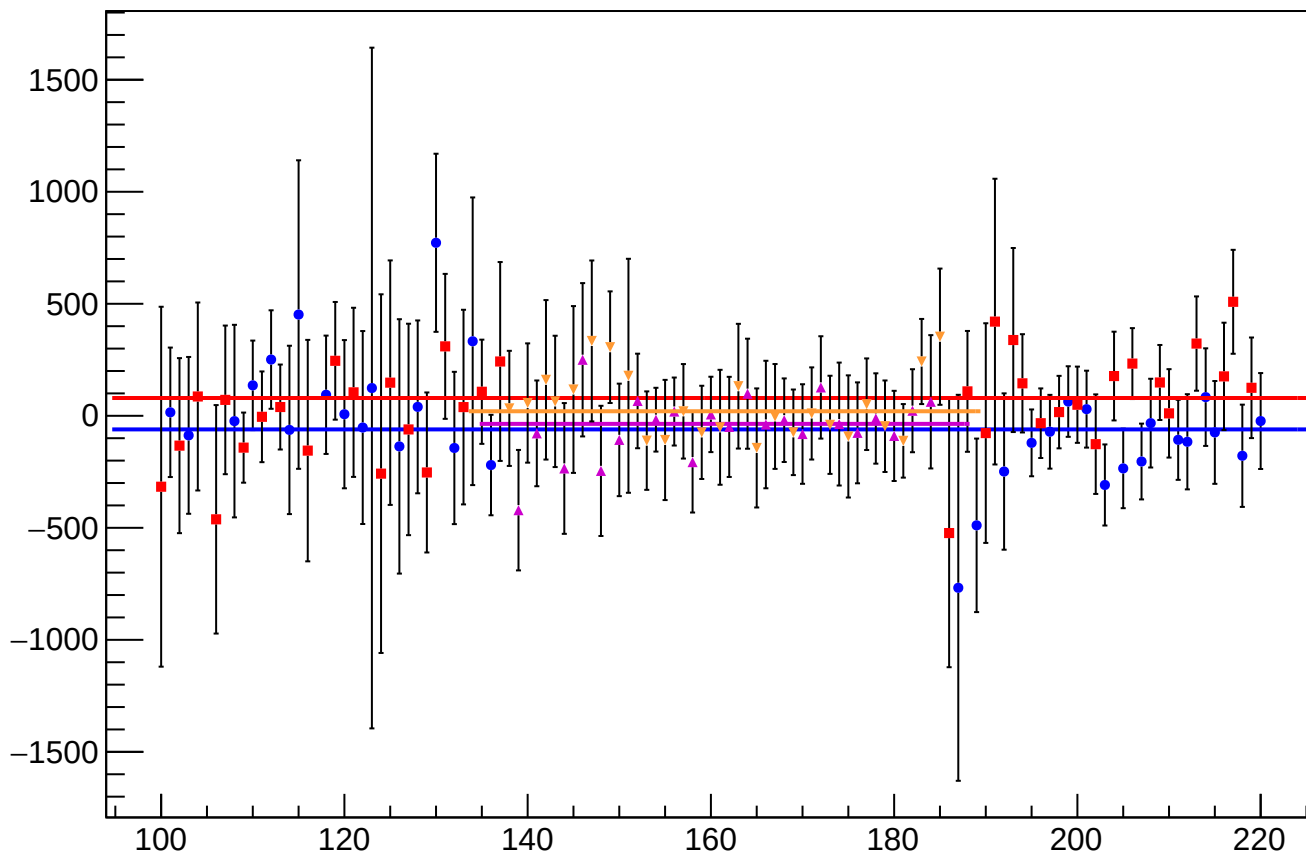
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.456 $\pm$ 0.003 χ^2 /NDF: 51559.3/58

All: 22.455 $\pm$ 0.002 χ^2 /NDF: 106594.5/118

- sign 22.454 $\pm$ 0.003 χ^2 /NDF: 55034.9/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -60.700 $\pm$ 41.291 χ^2/NDF : 17.1/33

Left Out: 20.306 $\pm$ 48.049 χ^2/NDF : 7.7/24

Right Out: 79.458 $\pm$ 41.150 χ^2/NDF : 16.2/36

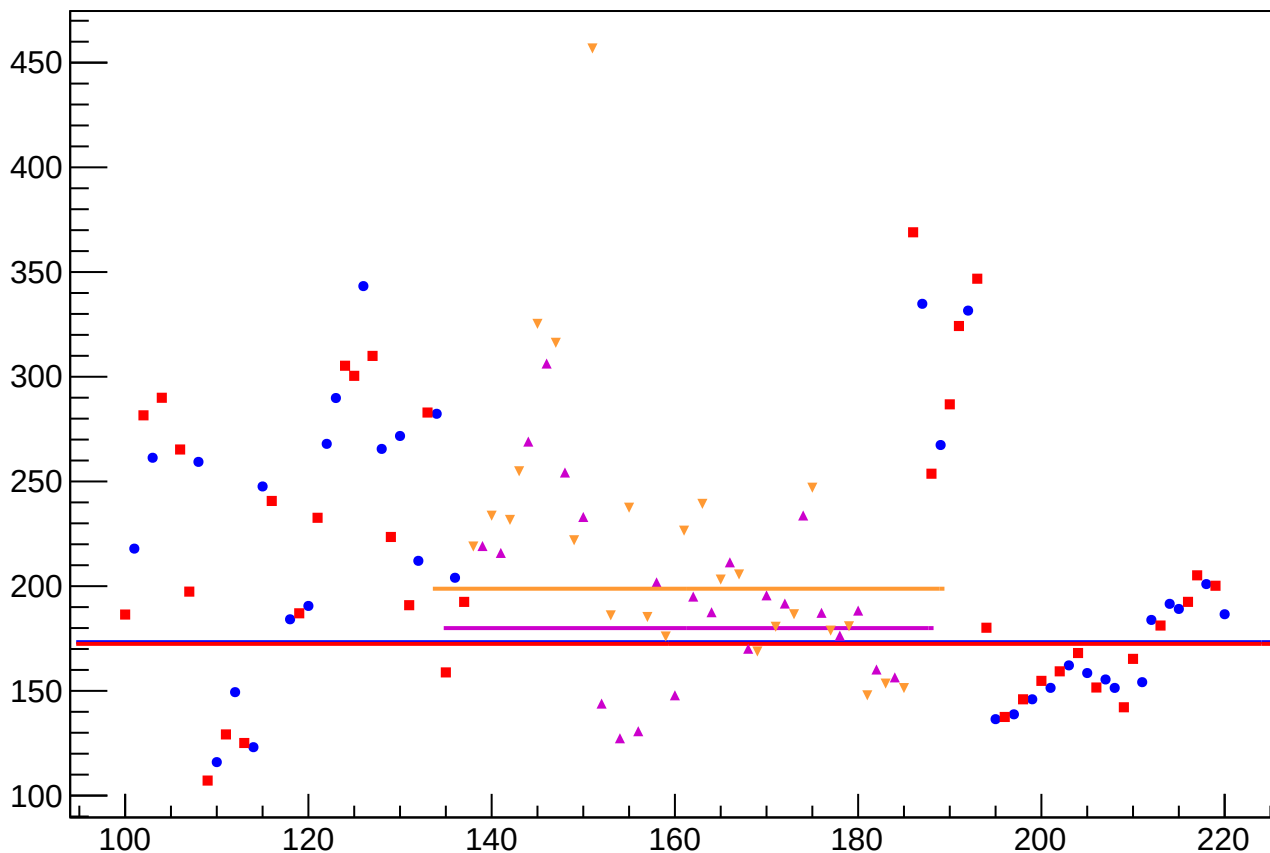
Left In: -35.996 $\pm$ 45.180 χ^2/NDF : 6.1/22

+ sign -26.289 $\pm$ 31.316 χ^2/NDF : 26.5/58

All: 1.183 $\pm$ 21.821 χ^2/NDF : 53.8/118

- sign 27.109 $\pm$ 30.423 χ^2/NDF : 25.9/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.249 $\pm$ 0.029 χ^2 /NDF: 2215577.5/33

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 172.453 $\pm$ 0.029 χ^2 /NDF: 2929551.6/36

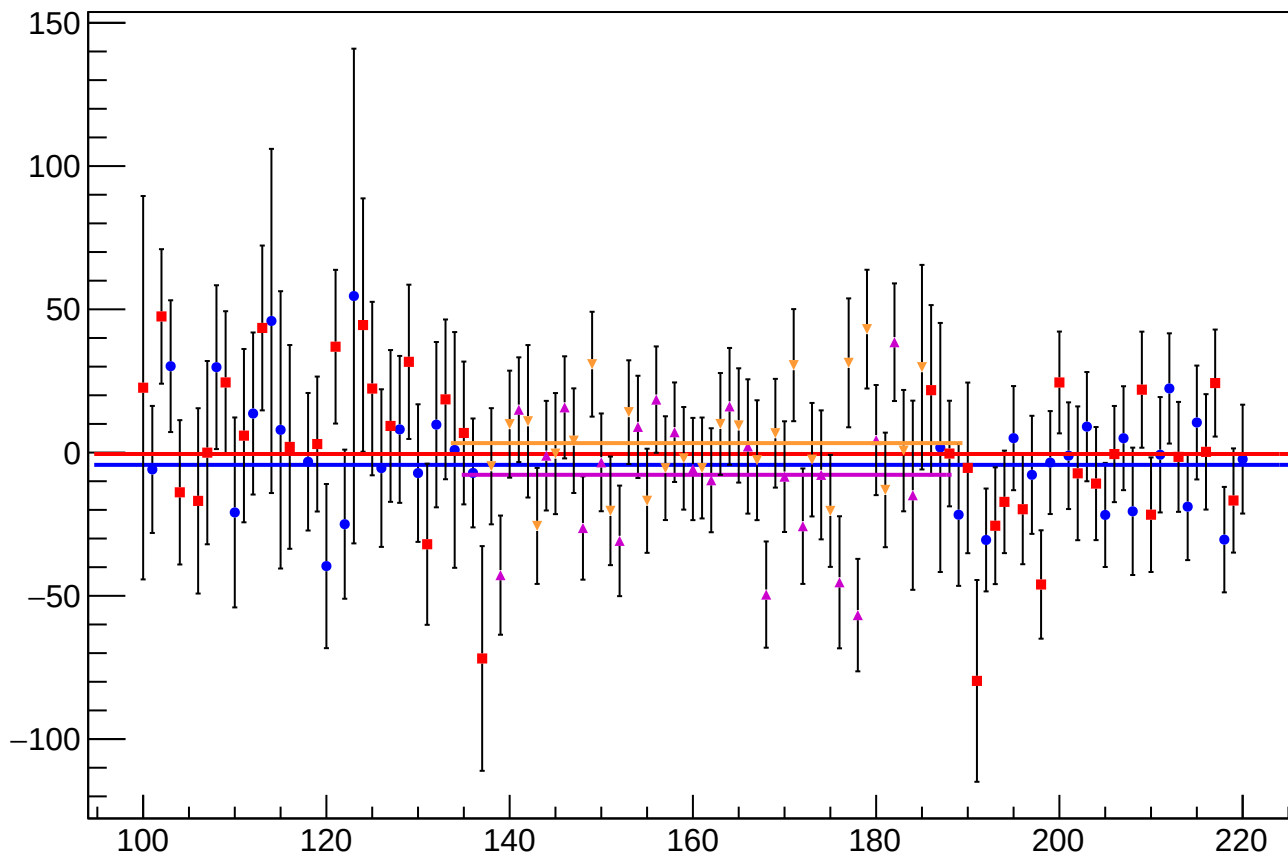
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 184.096 $\pm$ 0.022 χ^2 /NDF: 4298964.3/58

All: 179.860 $\pm$ 0.015 χ^2 /NDF: 8905823.6/118

- sign 175.862 $\pm$ 0.022 χ^2 /NDF: 4535722.5/59

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.286 $\pm$ 3.908 χ^2/NDF : 18.6/33

Left Out: 3.307 $\pm$ 3.954 χ^2/NDF : 18.7/24

Right Out: -0.489 $\pm$ 3.868 χ^2/NDF : 40.6/36

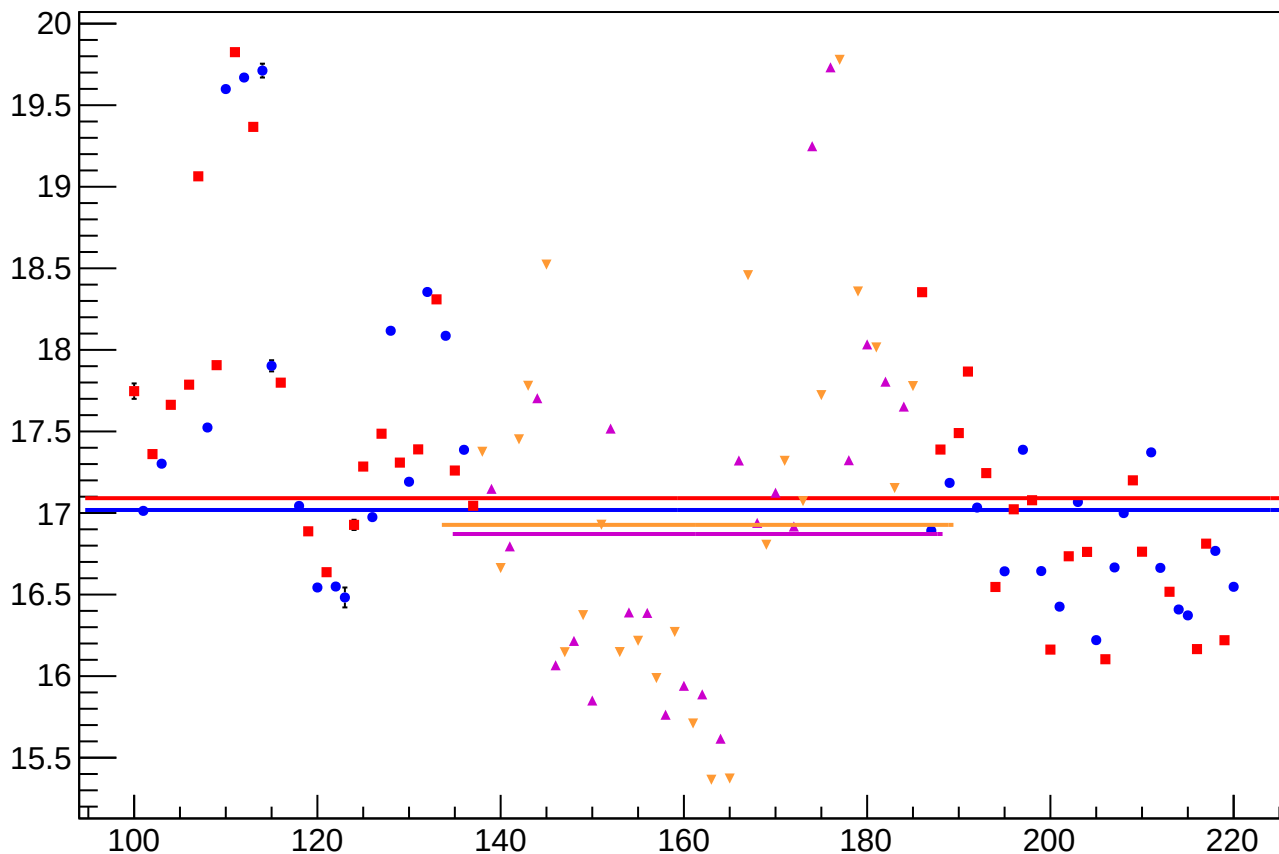
Left In: -7.756 $\pm$ 4.061 χ^2/NDF : 34.3/22

+ sign -0.533 $\pm$ 2.779 χ^2/NDF : 39.1/58

All: -2.226 $\pm$ 1.973 χ^2/NDF : 116.4/118

- sign -3.946 $\pm$ 2.801 χ^2/NDF : 76.5/59

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.019 $\pm$ 0.003 χ^2 /NDF: 63034.1/33

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.091 $\pm$ 0.003 χ^2 /NDF: 79880.5/36

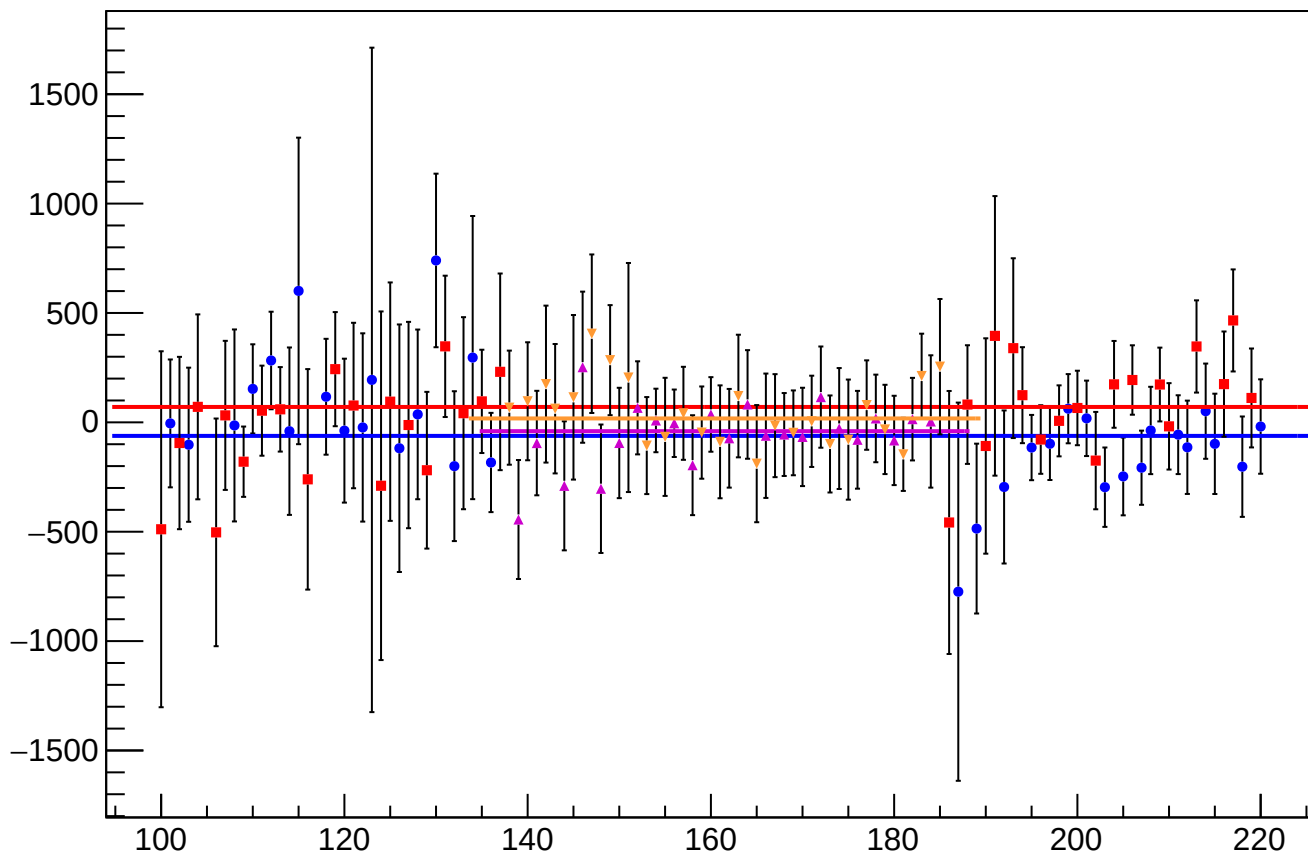
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 16.973 $\pm$ 0.002 χ^2 /NDF: 202105.9/58

All: 16.980 $\pm$ 0.001 χ^2 /NDF: 403069.4/118

- sign 16.986 $\pm$ 0.002 χ^2 /NDF: 200941.8/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -61.928 ± 41.516 χ^2/NDF : 17.5/33

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 70.383 ± 41.447 χ^2/NDF : 17.1/36

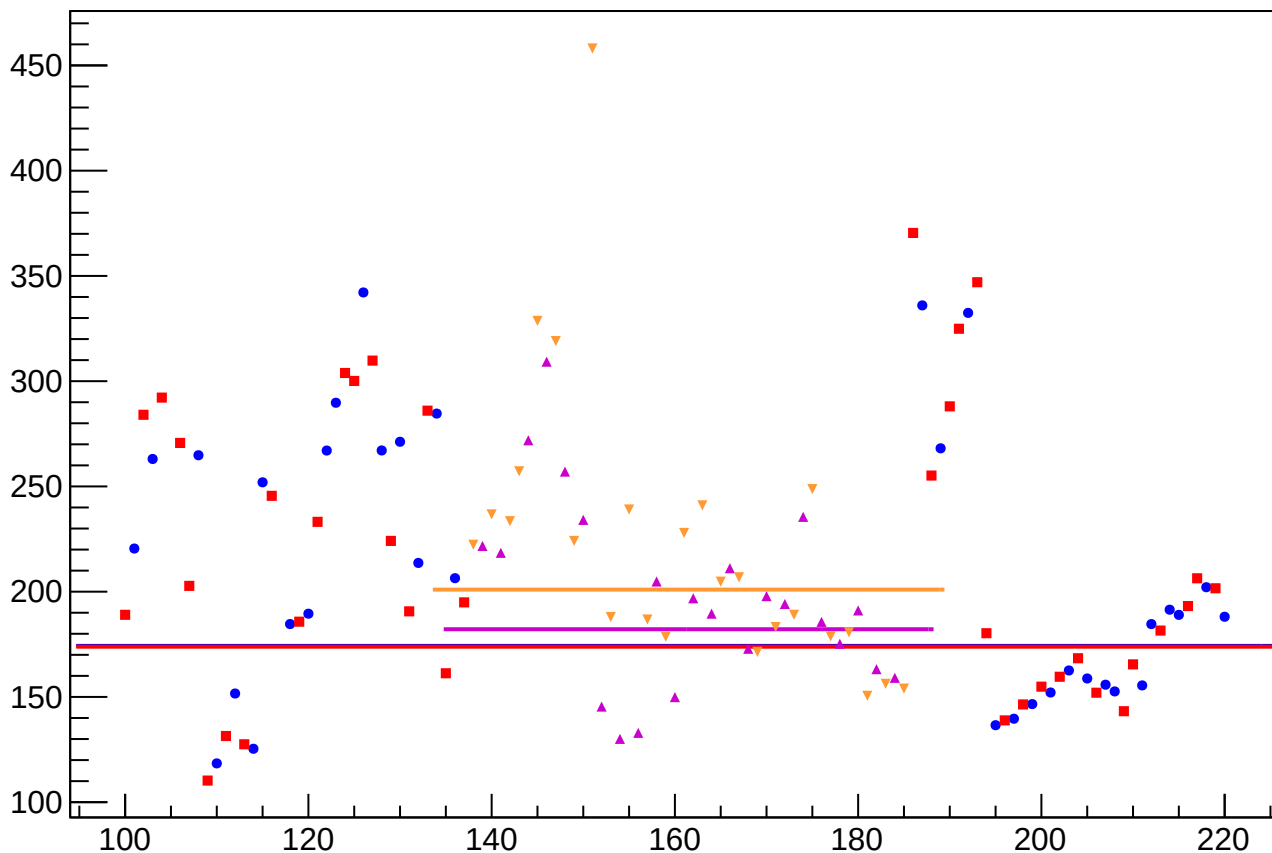
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign -28.239 ± 31.552 χ^2/NDF : 26.5/58

All: -3.256 ± 22.002 χ^2/NDF : 54.7/118

- sign 20.392 ± 30.698 χ^2/NDF : 27.0/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 174.240 $\pm$ 0.029 χ^2 /NDF: 2197464.5/33

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF: 1727291.4/24

Right Out: 173.875 $\pm$ 0.029 χ^2 /NDF: 2869762.0/36

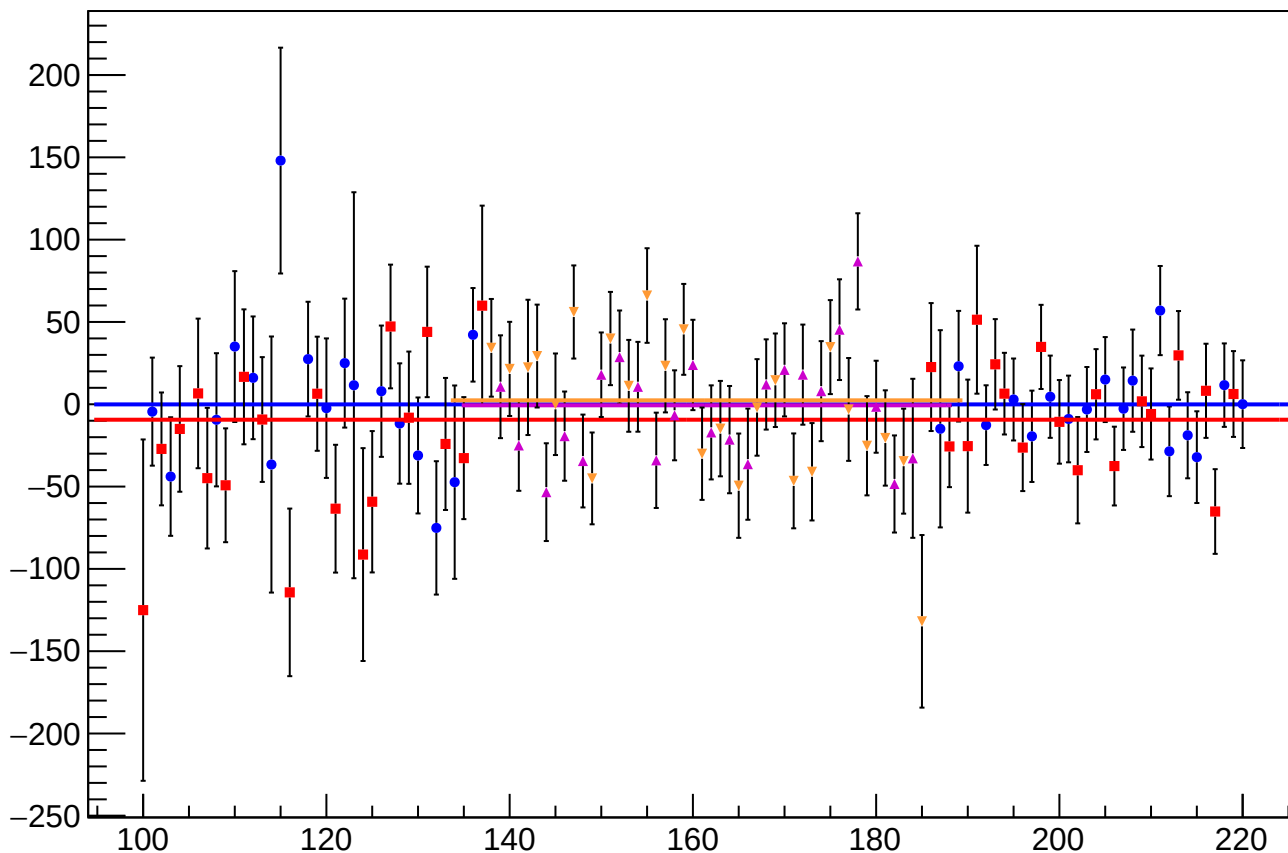
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF: 1535922.8/22

+ sign 185.537 $\pm$ 0.022 χ^2 /NDF: 4275354.3/58

All: 181.467 $\pm$ 0.016 χ^2 /NDF: 8781879.3/118

- sign 177.615 $\pm$ 0.022 χ^2 /NDF: 4441741.2/59

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.075 ± 5.488 χ^2/NDF : 25.1/33

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -9.382 ± 5.413 χ^2/NDF : 38.1/36

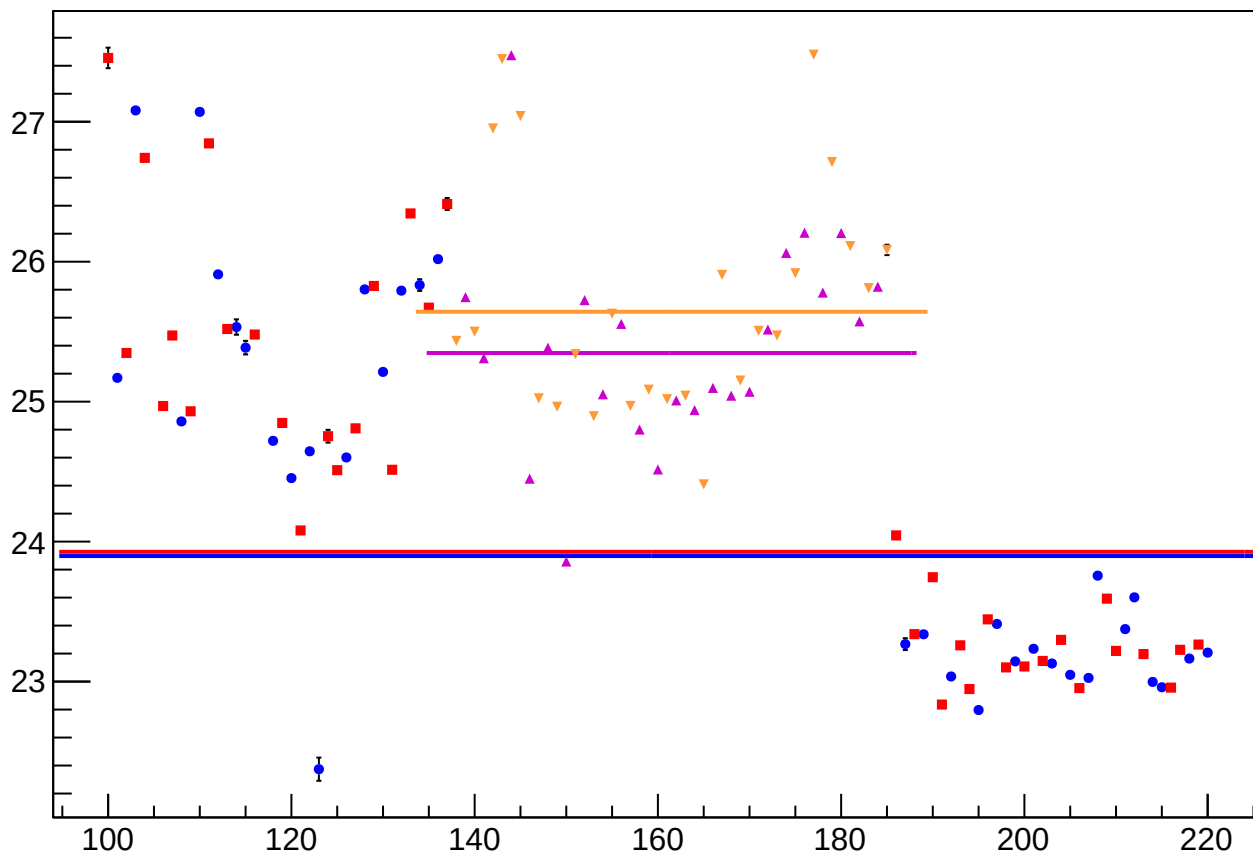
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 1.052 ± 4.043 χ^2/NDF : 64.3/58

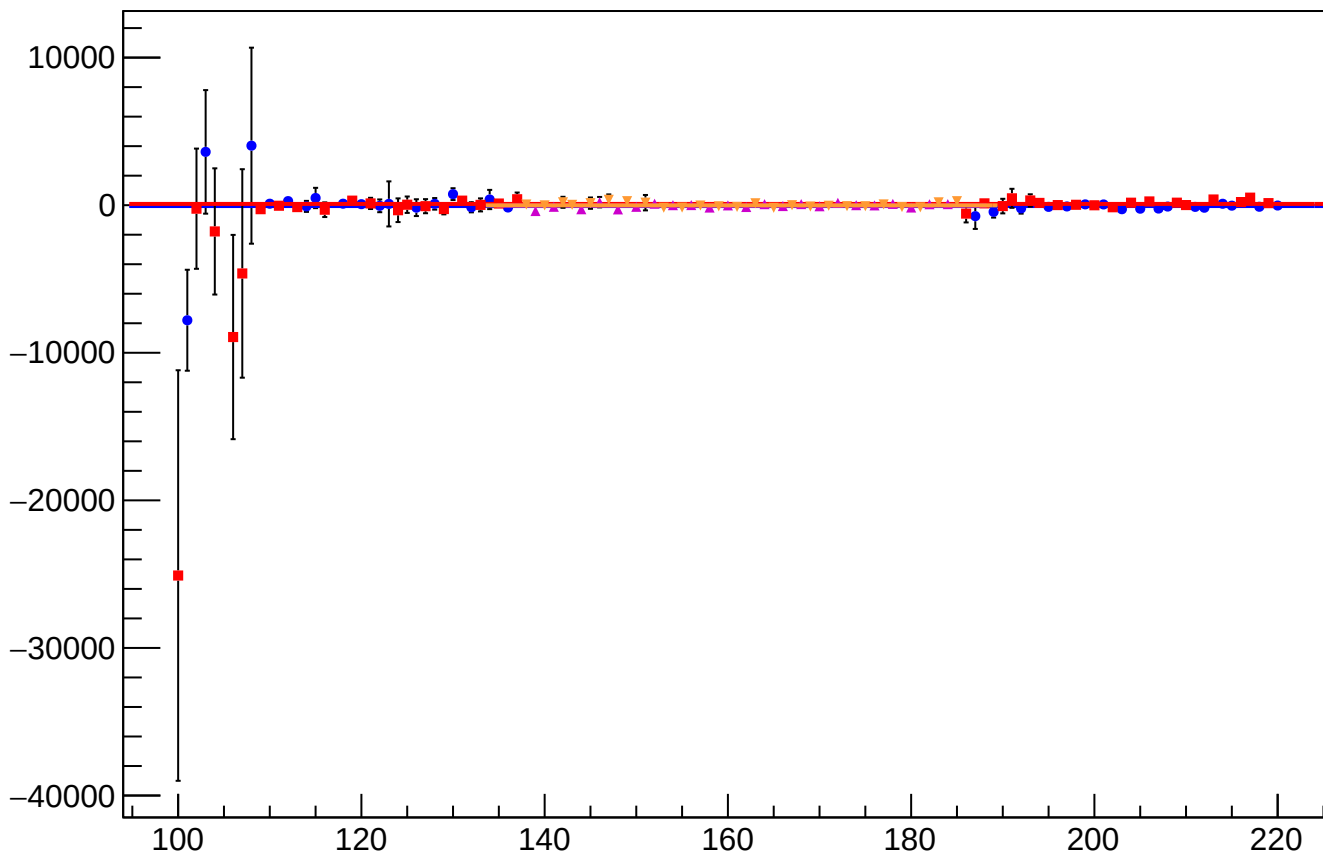
All: -2.235 ± 2.860 χ^2/NDF : 132.1/118

- sign -5.525 ± 4.046 χ^2/NDF : 66.5/59

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -58.170 $\pm$ 43.228 χ^2 /NDF: 22.4/33

Left Out: -11.432 $\pm$ 48.263 χ^2 /NDF: 8.0/24

Right Out: 85.352 $\pm$ 43.780 χ^2 /NDF: 24.5/36

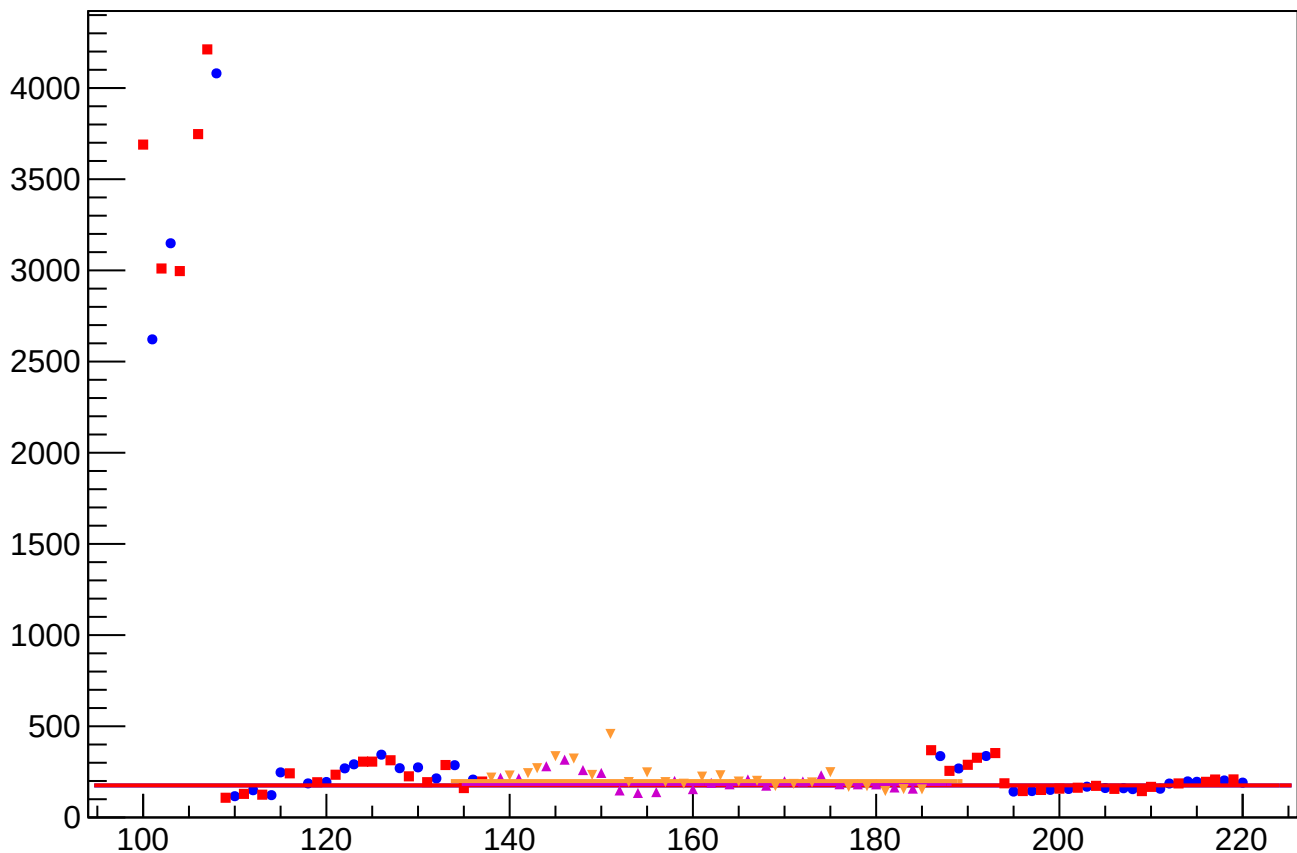
Left In: -27.098 $\pm$ 45.999 χ^2 /NDF: 7.2/22

+ sign -37.365 $\pm$ 32.200 χ^2 /NDF: 30.9/58

All: -2.202 $\pm$ 22.594 χ^2 /NDF: 68.0/118

- sign 31.904 $\pm$ 31.712 χ^2 /NDF: 34.8/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.317 $\pm$ 0.031 χ^2 /NDF: 4611554.5/33

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF: 1877848.7/24

Right Out: 175.933 $\pm$ 0.031 χ^2 /NDF: 5500992.1/36

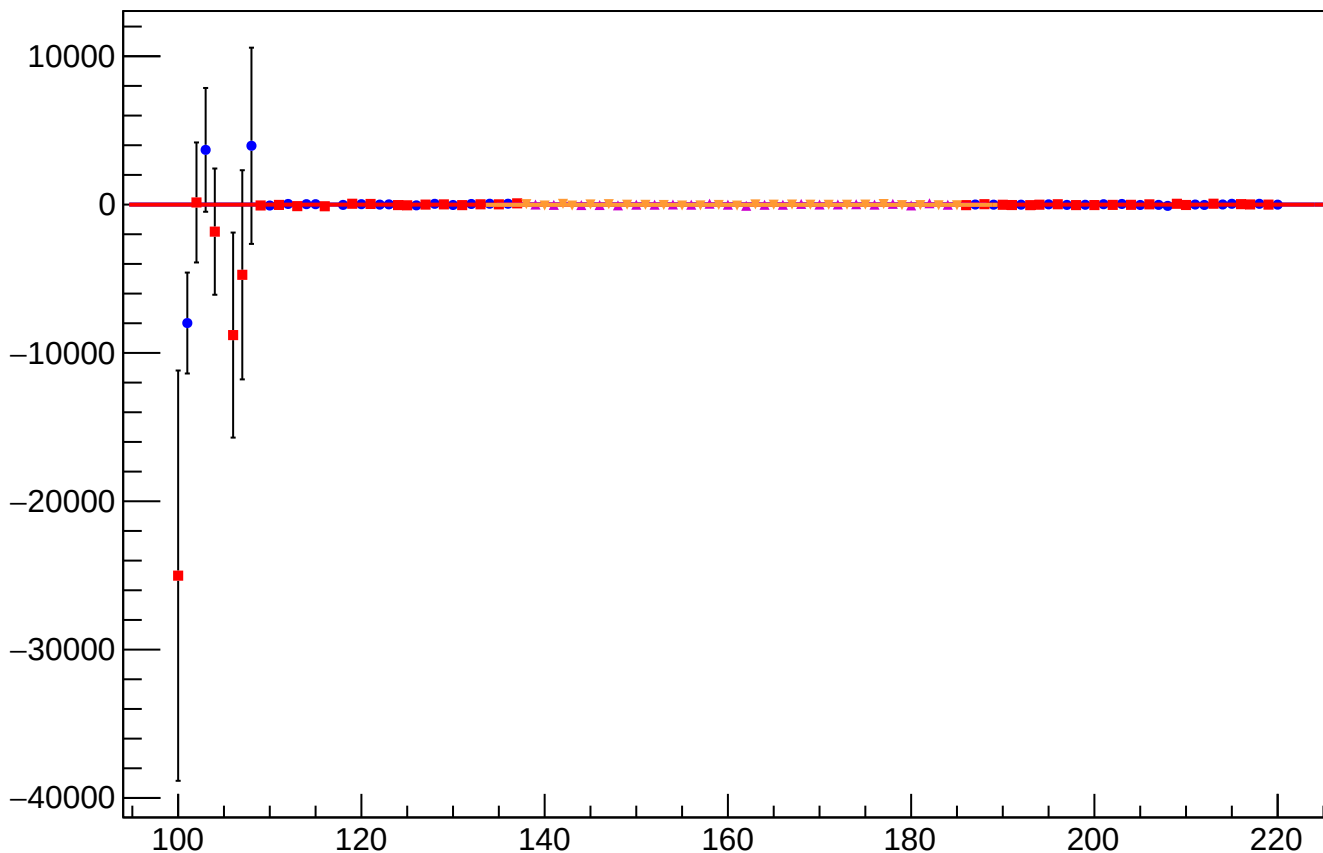
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 186.054 $\pm$ 0.023 χ^2 /NDF: 6766596.0/58

All: 182.816 $\pm$ 0.016 χ^2 /NDF: 13751040.9/13

- sign 179.675 $\pm$ 0.022 χ^2 /NDF: 6944595.0/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.197 ± 6.568 χ^2/NDF : 35.4/33

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -3.403 ± 6.590 χ^2/NDF : 39.3/36

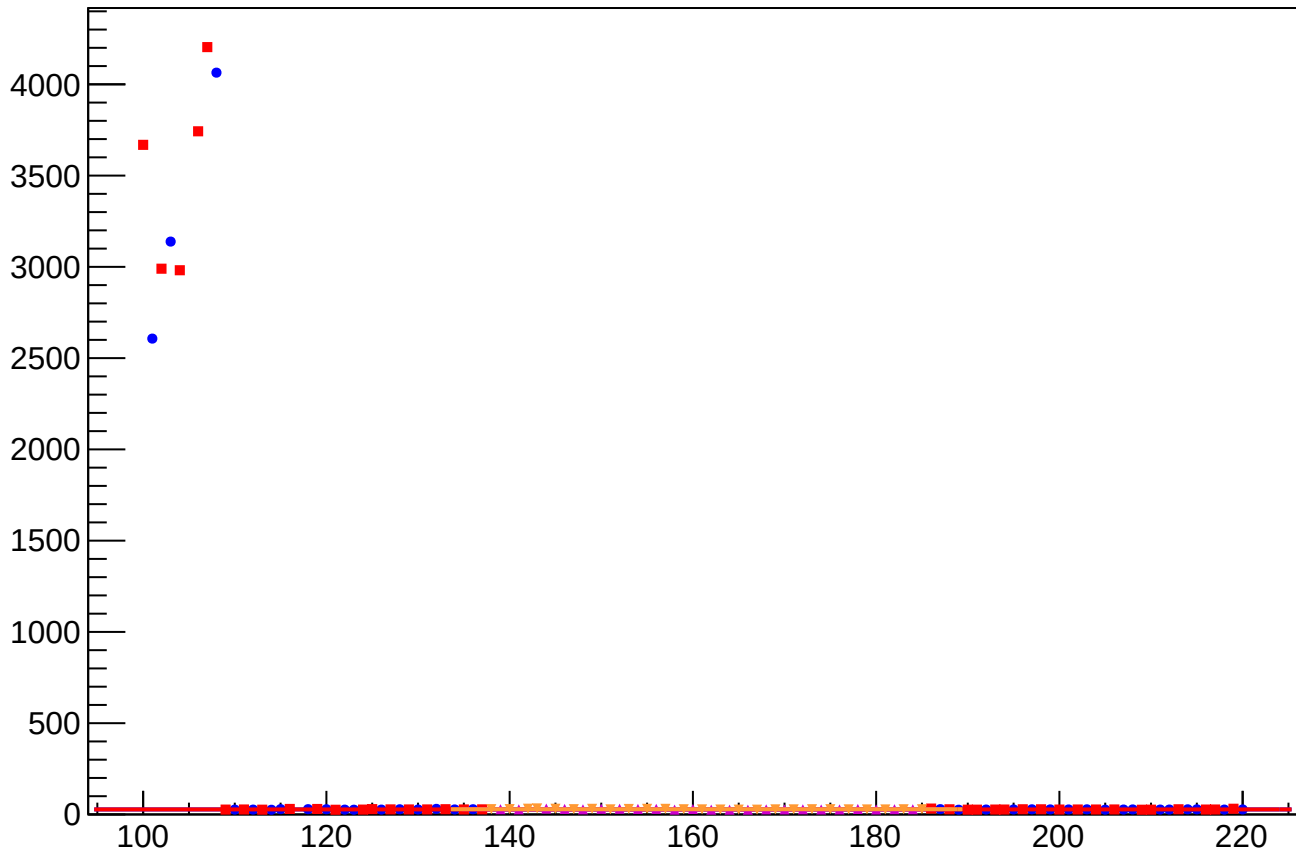
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -7.243 ± 4.691 χ^2/NDF : 62.3/58

All: -4.853 ± 3.344 χ^2/NDF : 134.3/118

- sign -2.385 ± 4.768 χ^2/NDF : 71.4/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.454 $\pm$ 0.005 χ^2 /NDF: 3045220.5/33

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.564 $\pm$ 0.005 χ^2 /NDF: 3537749.1/36

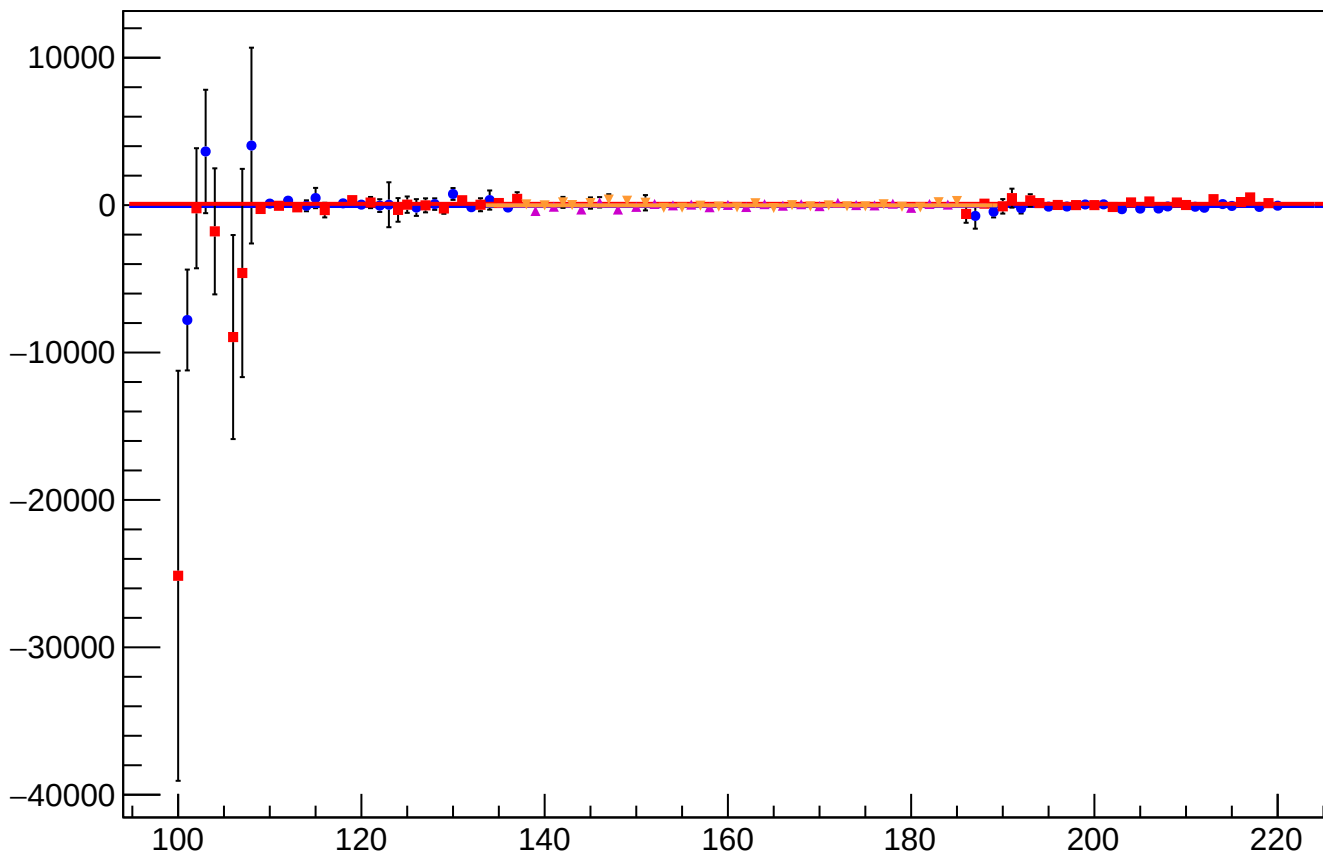
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.061 $\pm$ 0.003 χ^2 /NDF: 3190573.1/58

All: 28.077 $\pm$ 0.002 χ^2 /NDF: 6879353.7/118

- sign 28.094 $\pm$ 0.003 χ^2 /NDF: 3688732.2/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -59.984 ± 43.095 χ^2/NDF : 22.6/33

Left Out: -13.878 ± 48.155 χ^2/NDF : 8.8/24

Right Out: 87.682 ± 43.653 χ^2/NDF : 25.5/36

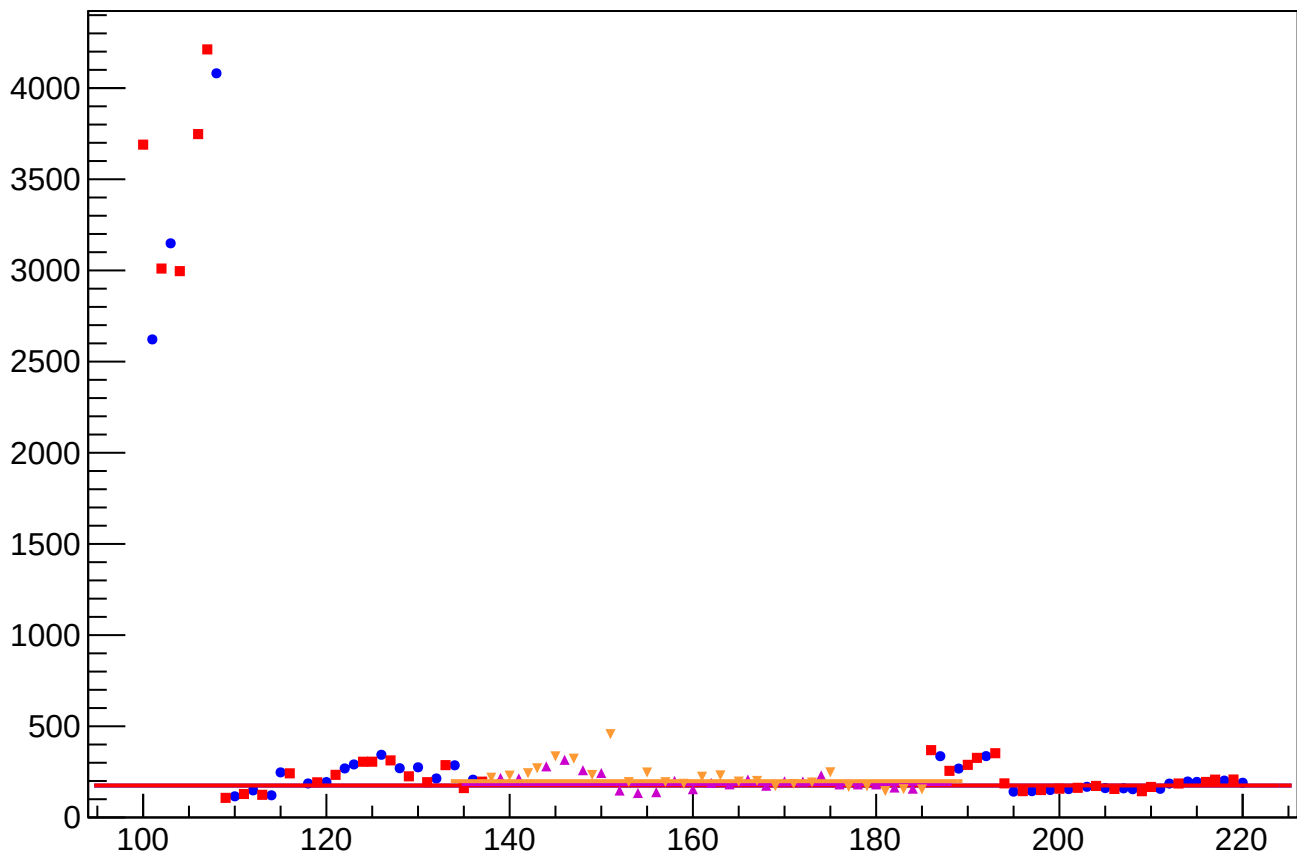
Left In: -27.286 ± 45.907 χ^2/NDF : 7.5/22

+ sign -39.480 ± 32.113 χ^2/NDF : 31.9/58

All: -2.650 ± 22.536 χ^2/NDF : 70.7/118

- sign 33.090 ± 31.634 χ^2/NDF : 36.3/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.744+/-0.030 χ^2/NDF : 4624931.1/33

Left Out: 198.997+/-0.034 χ^2/NDF : 1877636.0/24

Right Out: 175.376+/-0.031 χ^2/NDF : 5519132.3/36

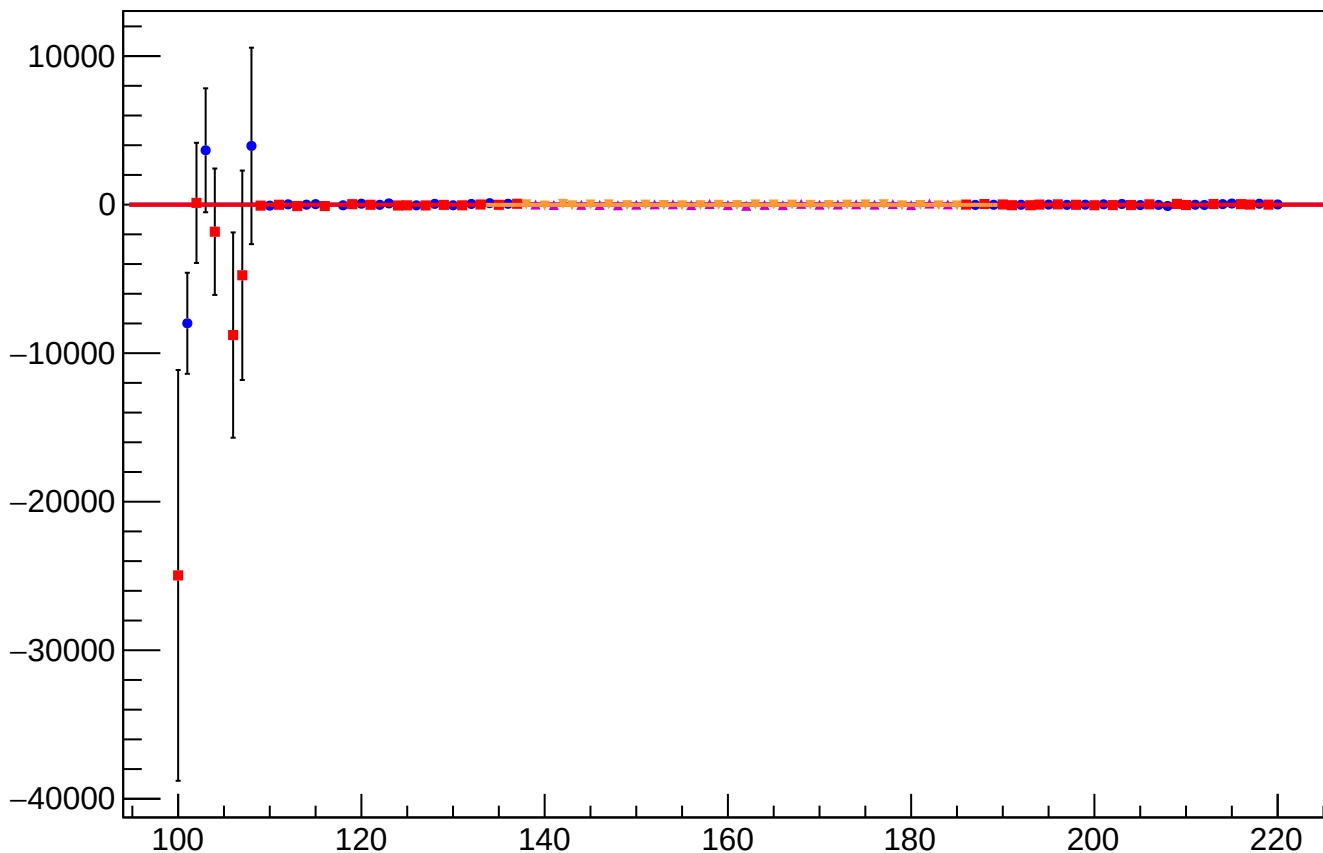
Left In: 183.442+/-0.032 χ^2/NDF : 1412341.8/22

+ sign 185.529+/-0.023 χ^2/NDF : 6784264.9/58

All: 182.320+/-0.016 χ^2/NDF : 13787510.0/13

- sign 179.206+/-0.022 χ^2/NDF : 6963892.3/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 5.210 ± 6.522 χ^2/NDF : 44.8/33

Left Out: -15.829 ± 6.733 χ^2/NDF : 16.5/24

Right Out: -6.393 ± 6.554 χ^2/NDF : 34.5/36

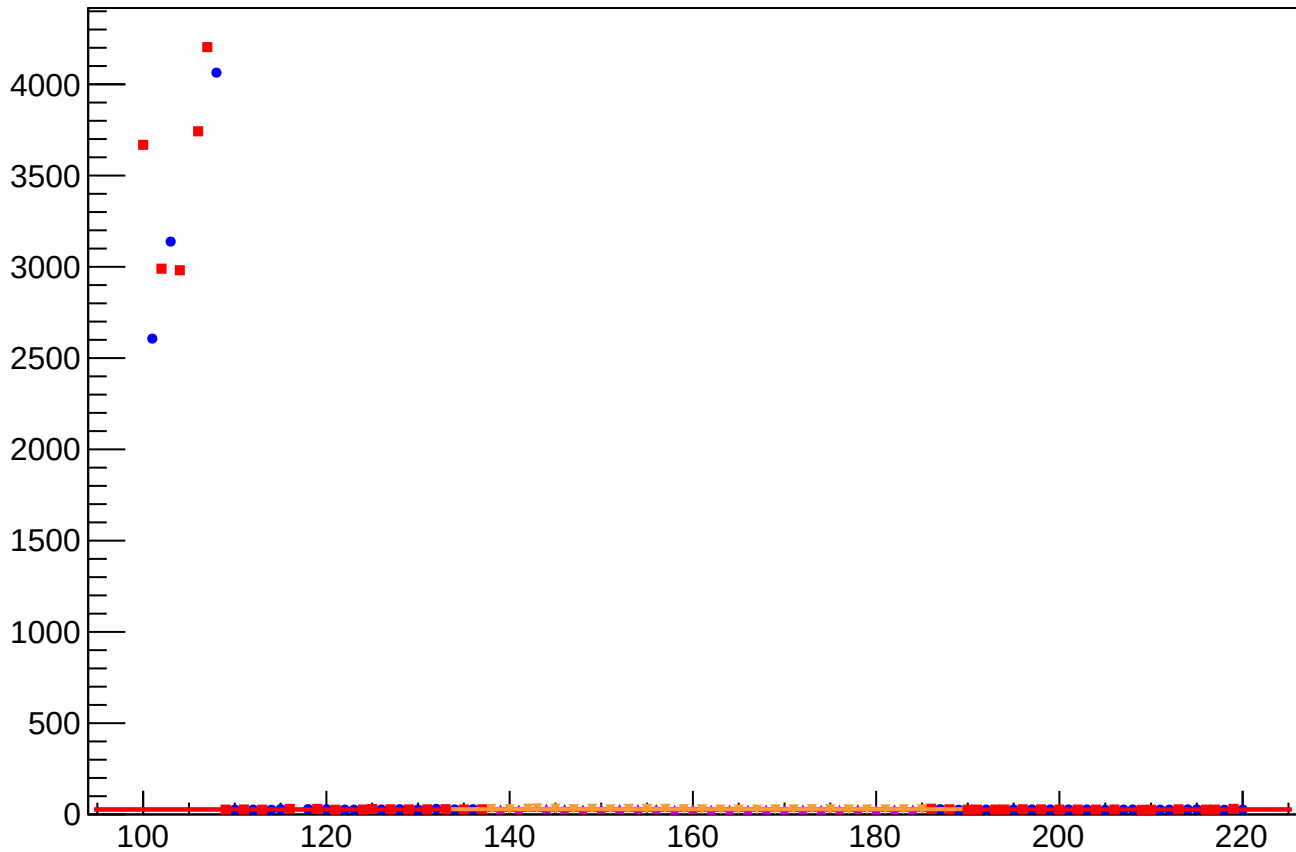
Left In: 0.498 ± 6.937 χ^2/NDF : 26.1/22

+ sign -4.975 ± 4.685 χ^2/NDF : 66.4/58

All: -4.074 ± 3.340 χ^2/NDF : 127.6/118

- sign -3.143 ± 4.764 χ^2/NDF : 61.1/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.259+/-0.005 χ^2/NDF : 3055648.9/33

Left Out: 28.814+/-0.005 χ^2/NDF : 122153.6/24

Right Out: 27.412+/-0.005 χ^2/NDF : 3541232.8/36

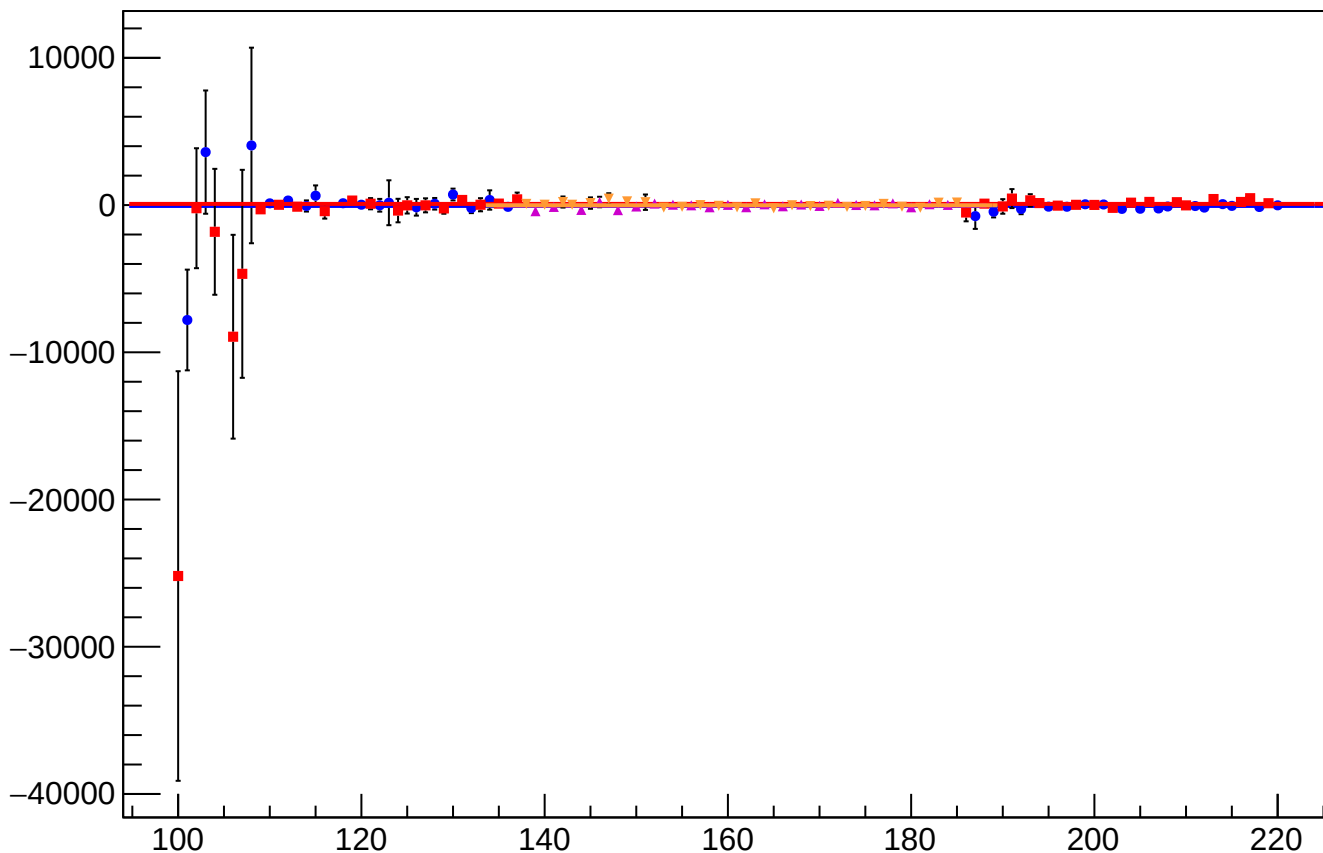
Left In: 28.797+/-0.005 χ^2/NDF : 128279.2/22

+ sign 28.012+/-0.003 χ^2/NDF : 3232872.7/58

All: 28.038+/-0.002 χ^2/NDF : 6944654.5/118

- sign 28.065+/-0.003 χ^2/NDF : 3711653.0/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -58.499 $\pm$ 43.385 χ^2 /NDF: 22.7/33

Left Out: -13.966 $\pm$ 48.735 χ^2 /NDF: 8.1/24

Right Out: 78.947 $\pm$ 43.969 χ^2 /NDF: 24.3/36

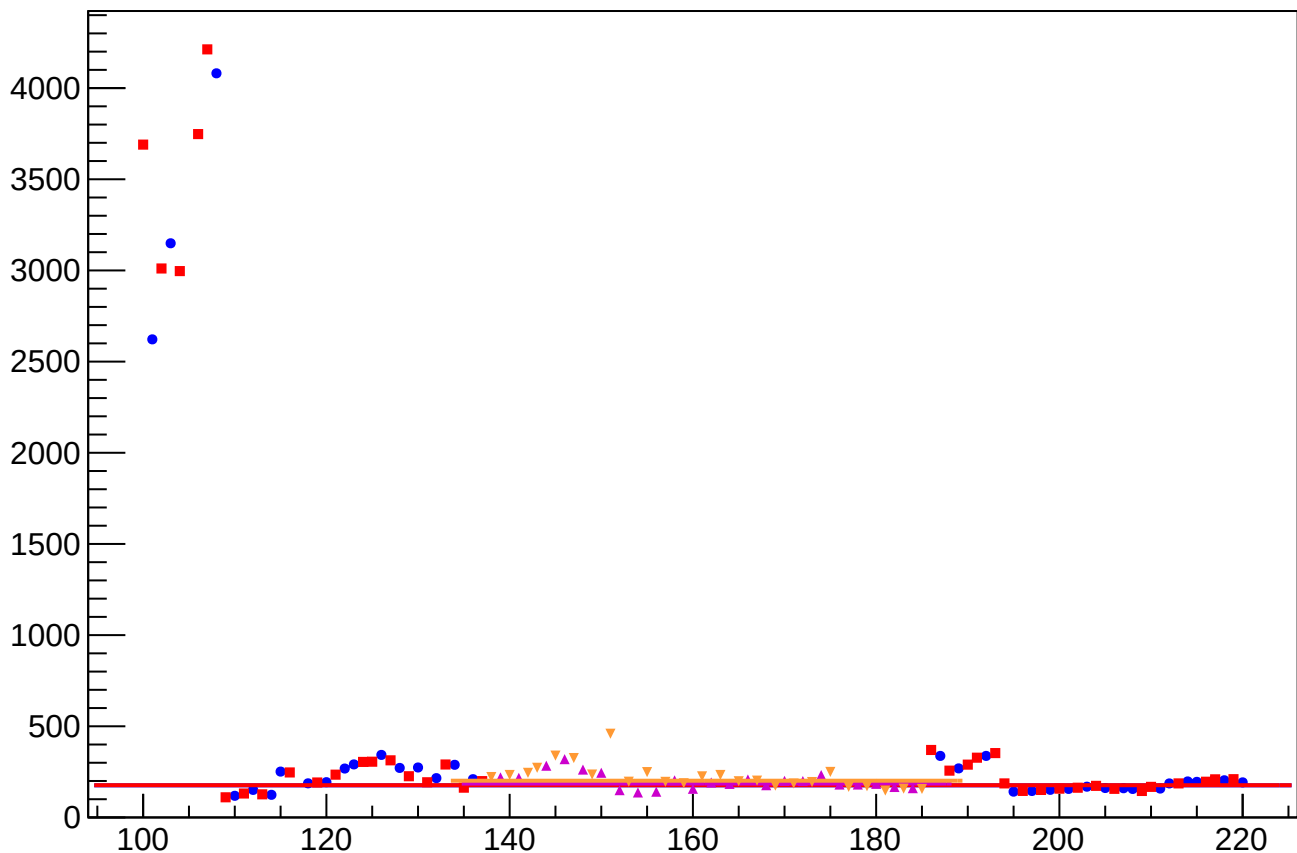
Left In: -31.477 $\pm$ 46.483 χ^2 /NDF: 7.8/22

+ sign -38.810 $\pm$ 32.405 χ^2 /NDF: 31.3/58

All: -5.533 $\pm$ 22.749 χ^2 /NDF: 68.5/118

- sign 26.801 $\pm$ 31.943 χ^2 /NDF: 35.1/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 176.011+/-0.031 χ^2/NDF : 4590508.1/33

Left Out: 201.503+/-0.034 χ^2/NDF : 1854905.1/24

Right Out: 176.827+/-0.031 χ^2/NDF : 5459015.1/36

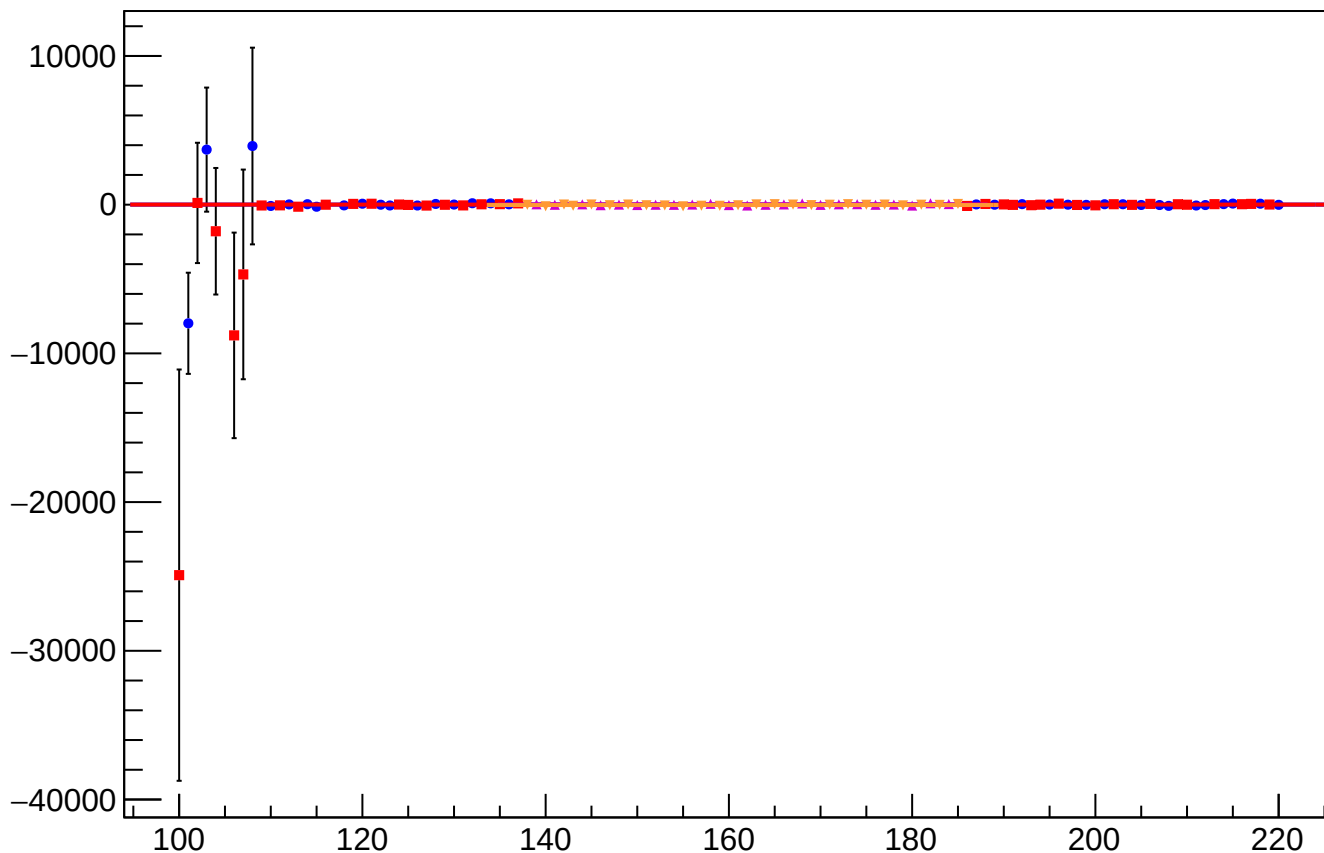
Left In: 185.878+/-0.033 χ^2/NDF : 1380877.6/22

+ sign 187.281+/-0.023 χ^2/NDF : 6750688.0/58

All: 184.147+/-0.016 χ^2/NDF : 13667491.8/136

- sign 181.102+/-0.023 χ^2/NDF : 6879913.4/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.176+/-7.954 χ^2/NDF : 36.8/33

Left Out: -24.144+/-8.076 χ^2/NDF : 24.9/24

Right Out: 6.441+/-7.983 χ^2/NDF : 37.9/36

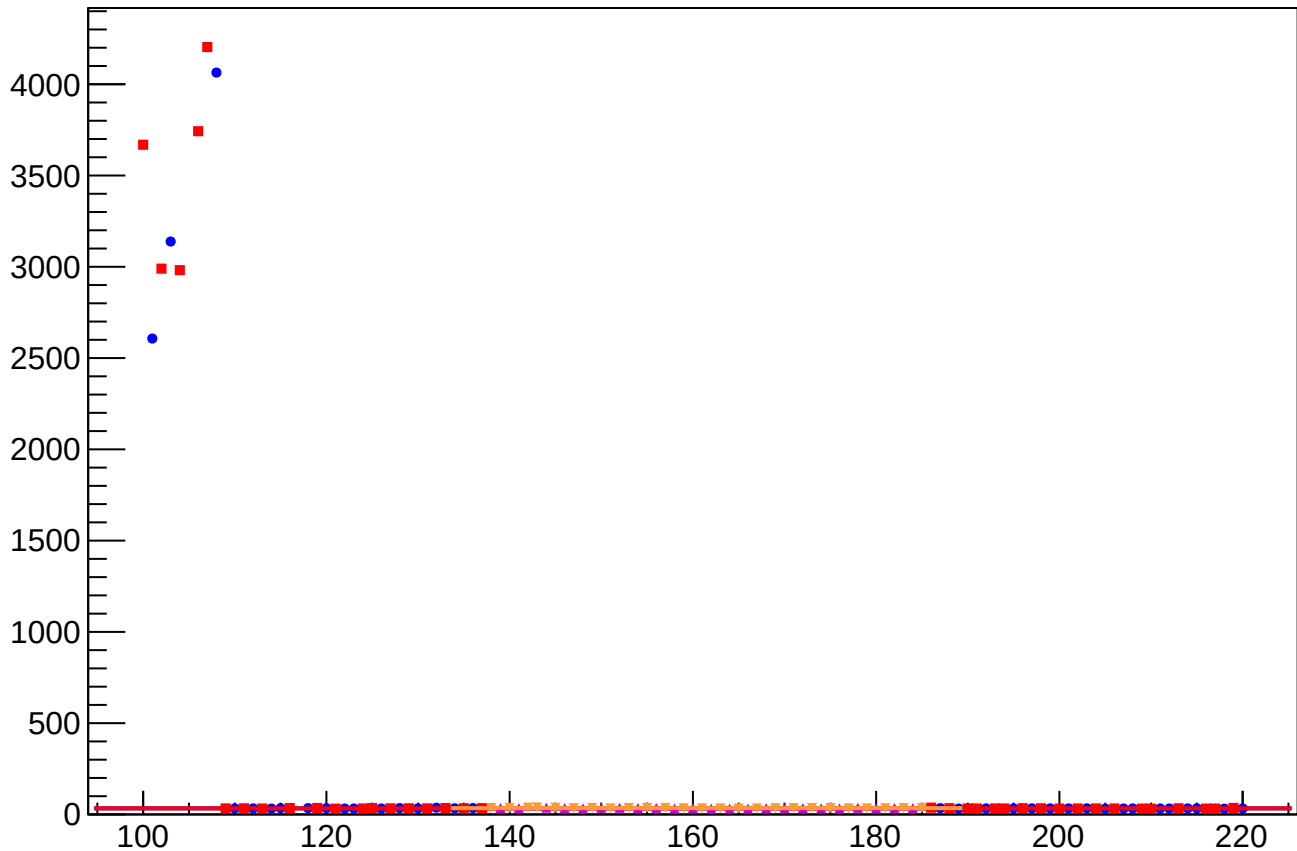
Left In: 5.924+/-8.340 χ^2/NDF : 21.0/22

+ sign -9.261+/-5.667 χ^2/NDF : 68.4/58

All: -1.668+/-4.042 χ^2/NDF : 131.0/118

- sign 6.194+/-5.767 χ^2/NDF : 58.9/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.265 $\pm$ 0.006 χ^2 /NDF: 3024881.4/33

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.442 $\pm$ 0.006 χ^2 /NDF: 3485496.4/36

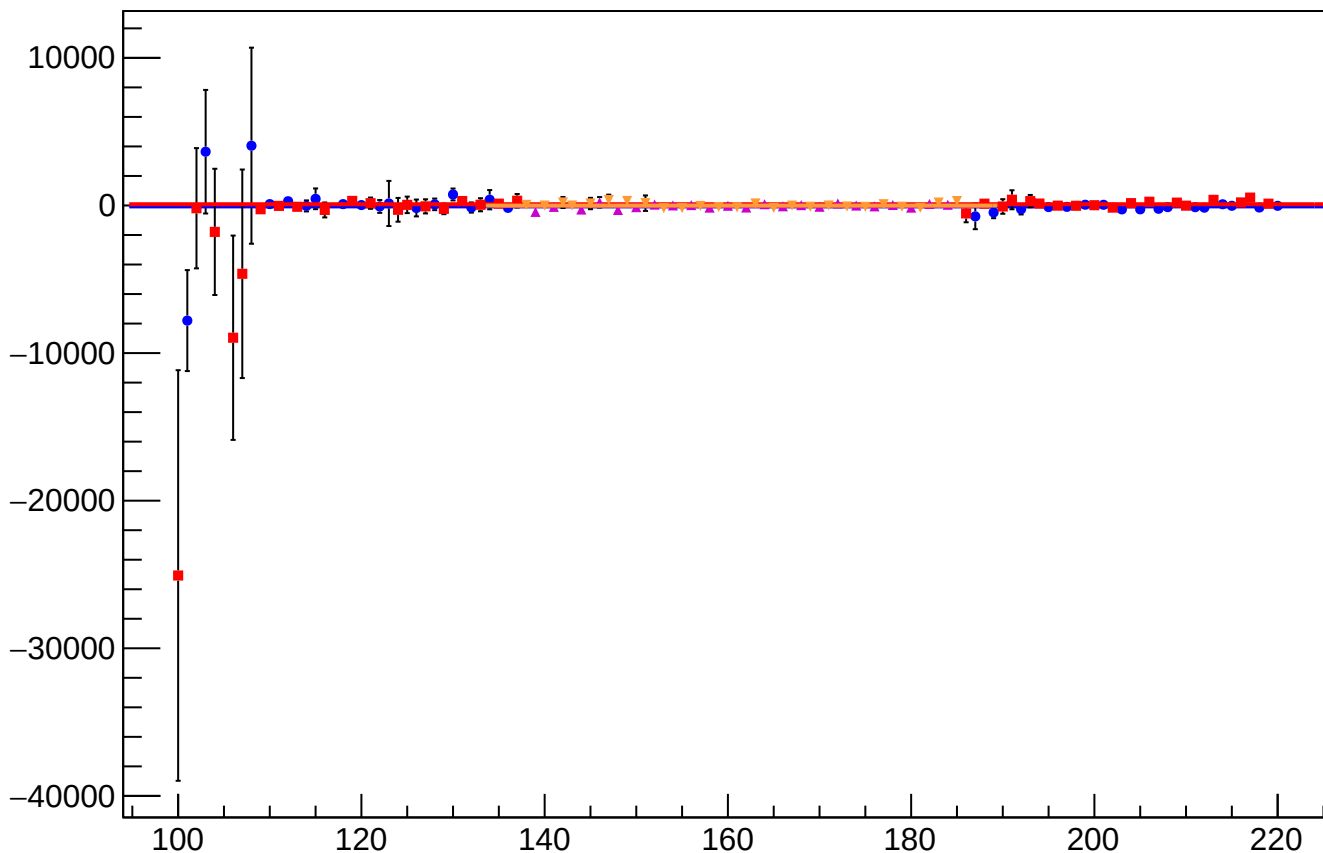
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 33.931 $\pm$ 0.004 χ^2 /NDF: 3111232.6/58

All: 33.982 $\pm$ 0.003 χ^2 /NDF: 6679975.0/118

- sign 34.035 $\pm$ 0.004 χ^2 /NDF: 3568413.3/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -62.238 $\pm$ 43.263 χ^2 /NDF: 22.5/33

Left Out: -7.558 $\pm$ 48.662 χ^2 /NDF: 8.8/24

Right Out: 84.807 $\pm$ 43.812 χ^2 /NDF: 23.6/36

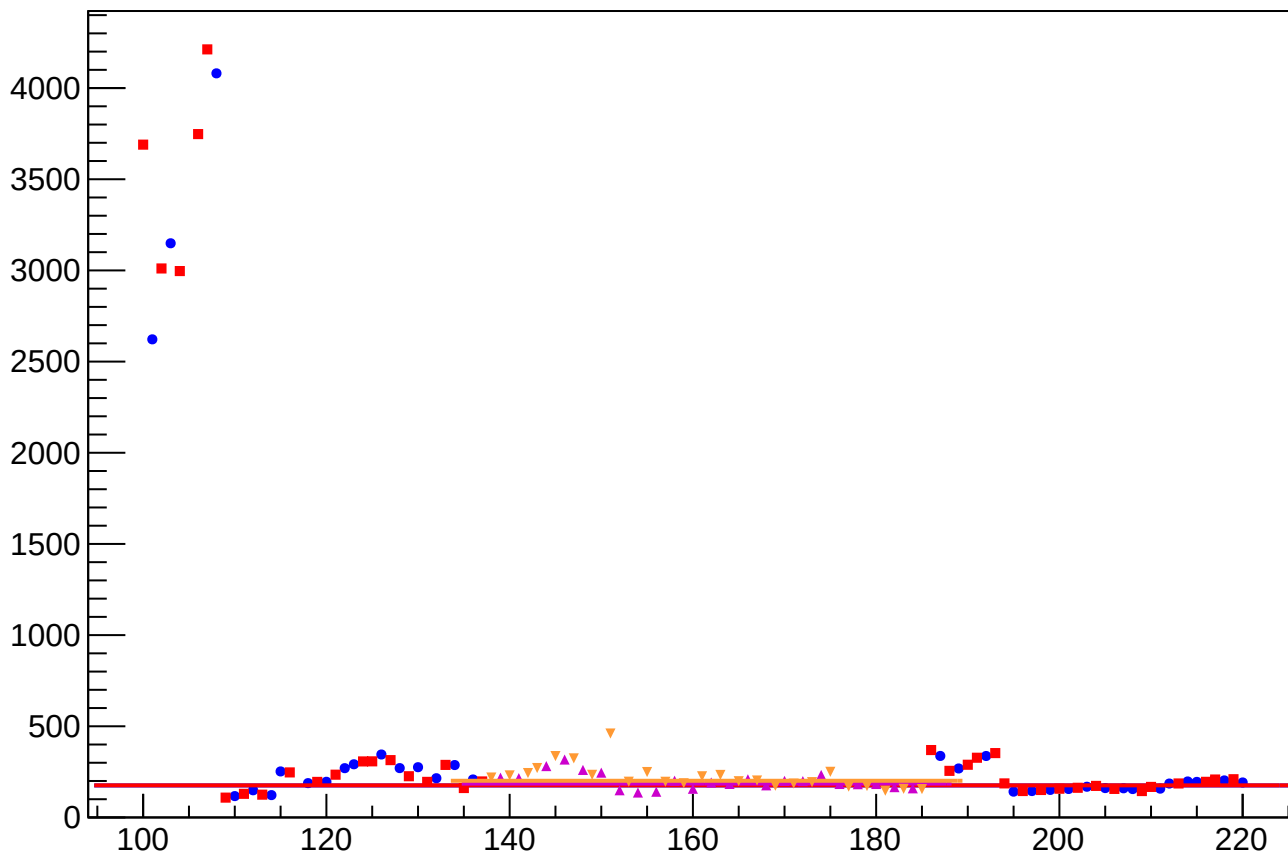
Left In: -34.977 $\pm$ 46.421 χ^2 /NDF: 7.1/22

+ sign -38.098 $\pm$ 32.332 χ^2 /NDF: 31.9/58

All: -4.375 $\pm$ 22.694 χ^2 /NDF: 68.3/118

- sign 28.375 $\pm$ 31.862 χ^2 /NDF: 34.2/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.441 $\pm$ 0.031 χ^2 /NDF: 4620354.4/33

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF:1848437.4/24

Right Out: 176.053 $\pm$ 0.031 χ^2 /NDF: 5508919.1/36

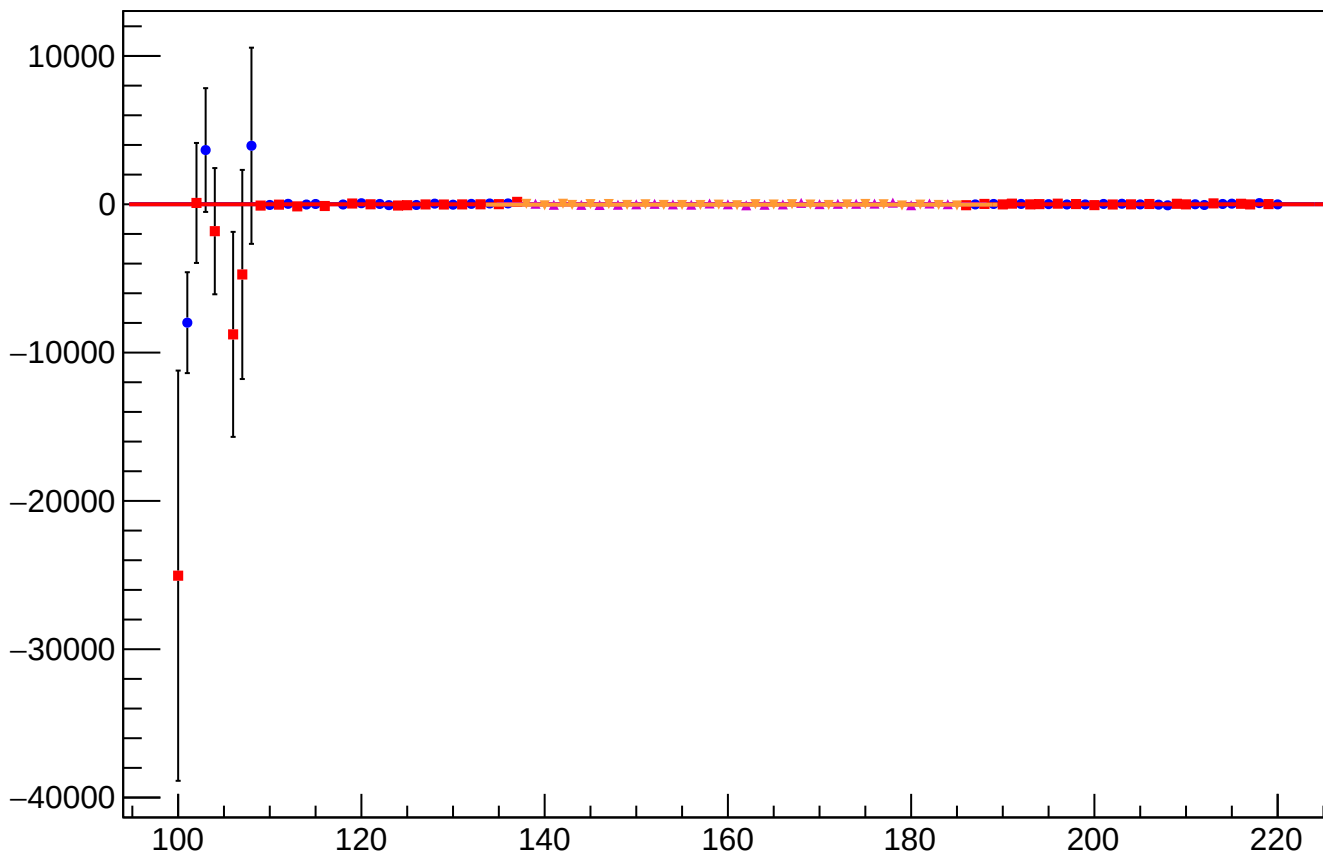
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF:1371411.2/22

+ sign 186.812 $\pm$ 0.023 χ^2 /NDF: 6781755.7/58

All: 183.642 $\pm$ 0.016 χ^2 /NDF: 13744980.9/136

- sign 180.564 $\pm$ 0.023 χ^2 /NDF: 6925329.4/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 8.125 ± 7.193 χ^2/NDF : 31.0/33

Left Out: -23.320 ± 7.352 χ^2/NDF : 18.3/24

Right Out: -0.531 ± 7.223 χ^2/NDF : 42.7/36

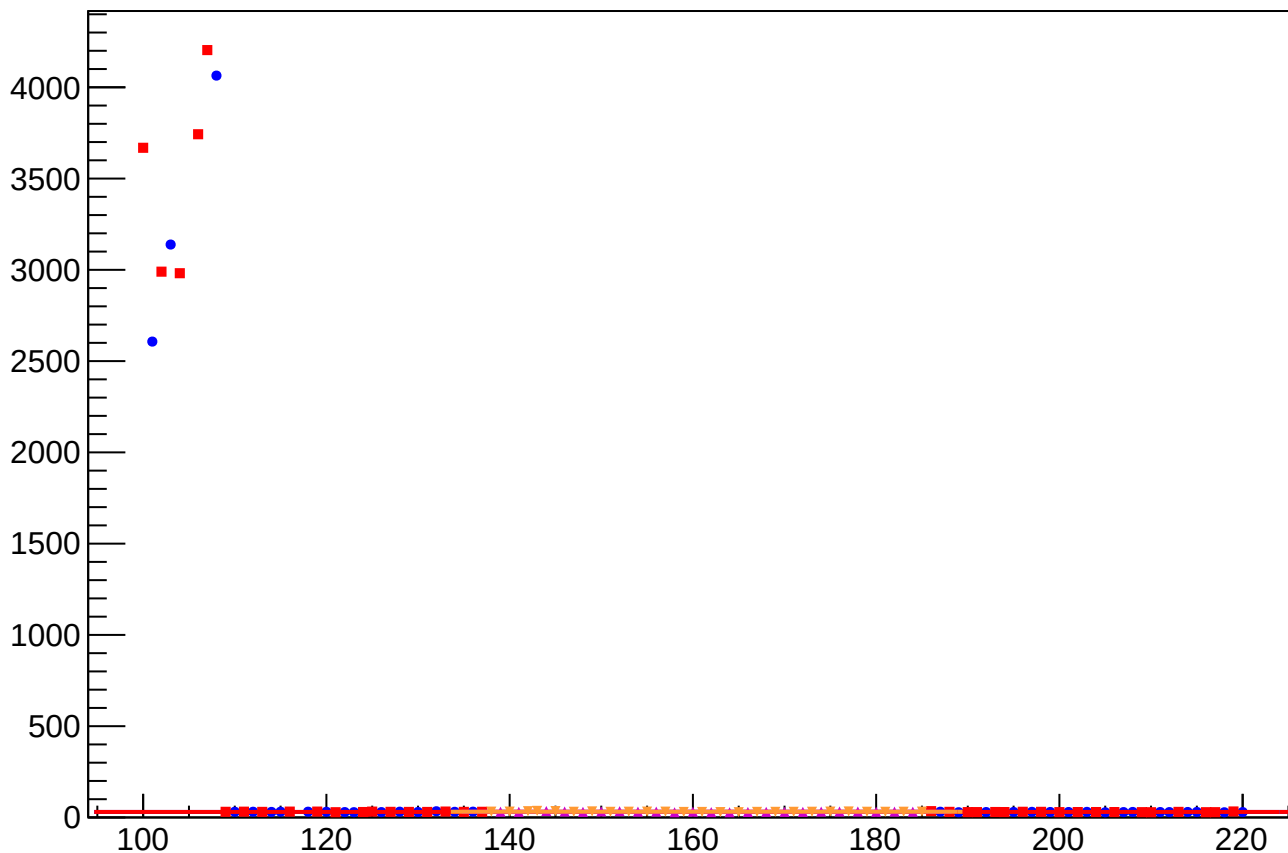
Left In: 6.386 ± 7.577 χ^2/NDF : 38.7/22

+ sign -7.253 ± 5.141 χ^2/NDF : 58.7/58

All: -2.329 ± 3.666 χ^2/NDF : 142.4/118

- sign 2.762 ± 5.228 χ^2/NDF : 81.9/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.069 $\pm$ 0.005 χ^2 /NDF: 3045450.4/33

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.233 $\pm$ 0.005 χ^2 /NDF: 3508498.8/36

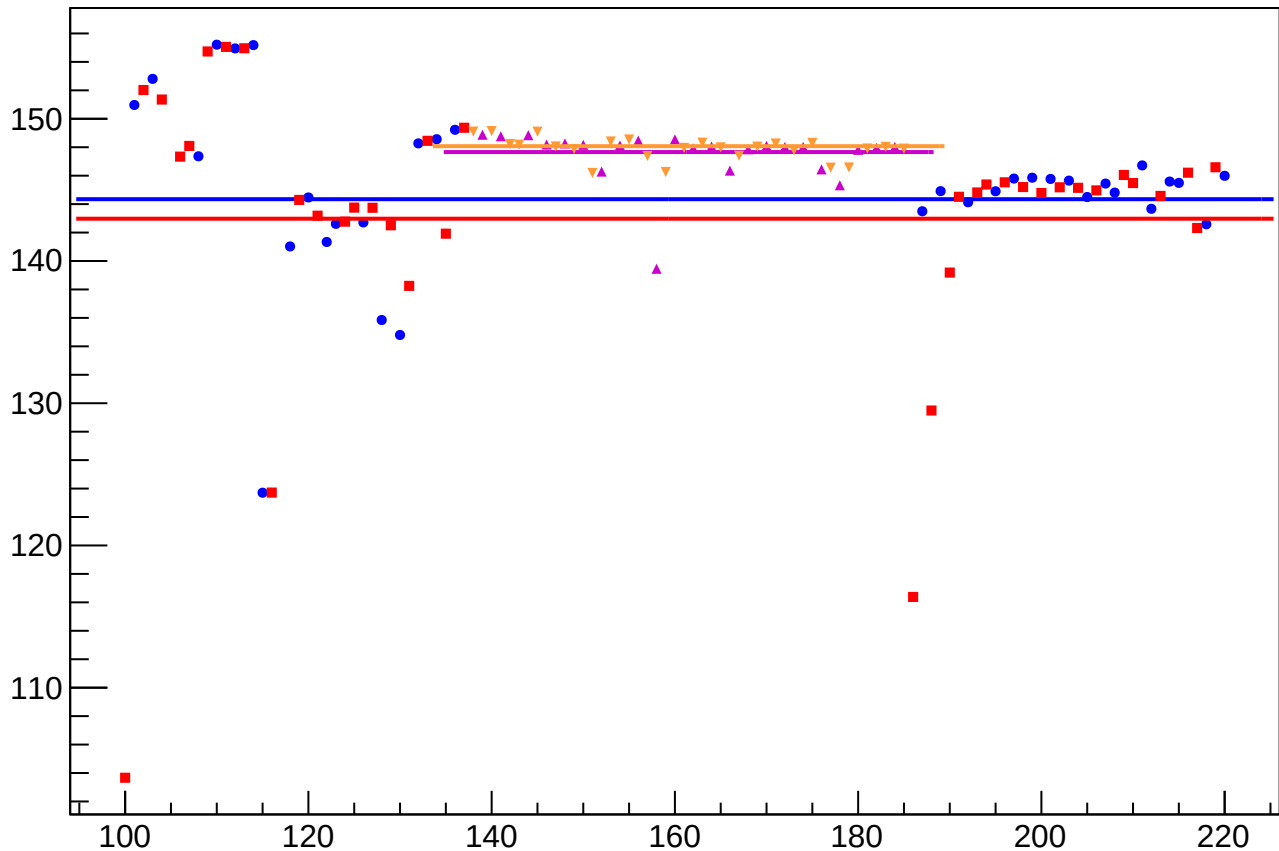
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 30.763 $\pm$ 0.004 χ^2 /NDF: 3165467.3/58

All: 30.793 $\pm$ 0.003 χ^2 /NDF: 6790067.9/118

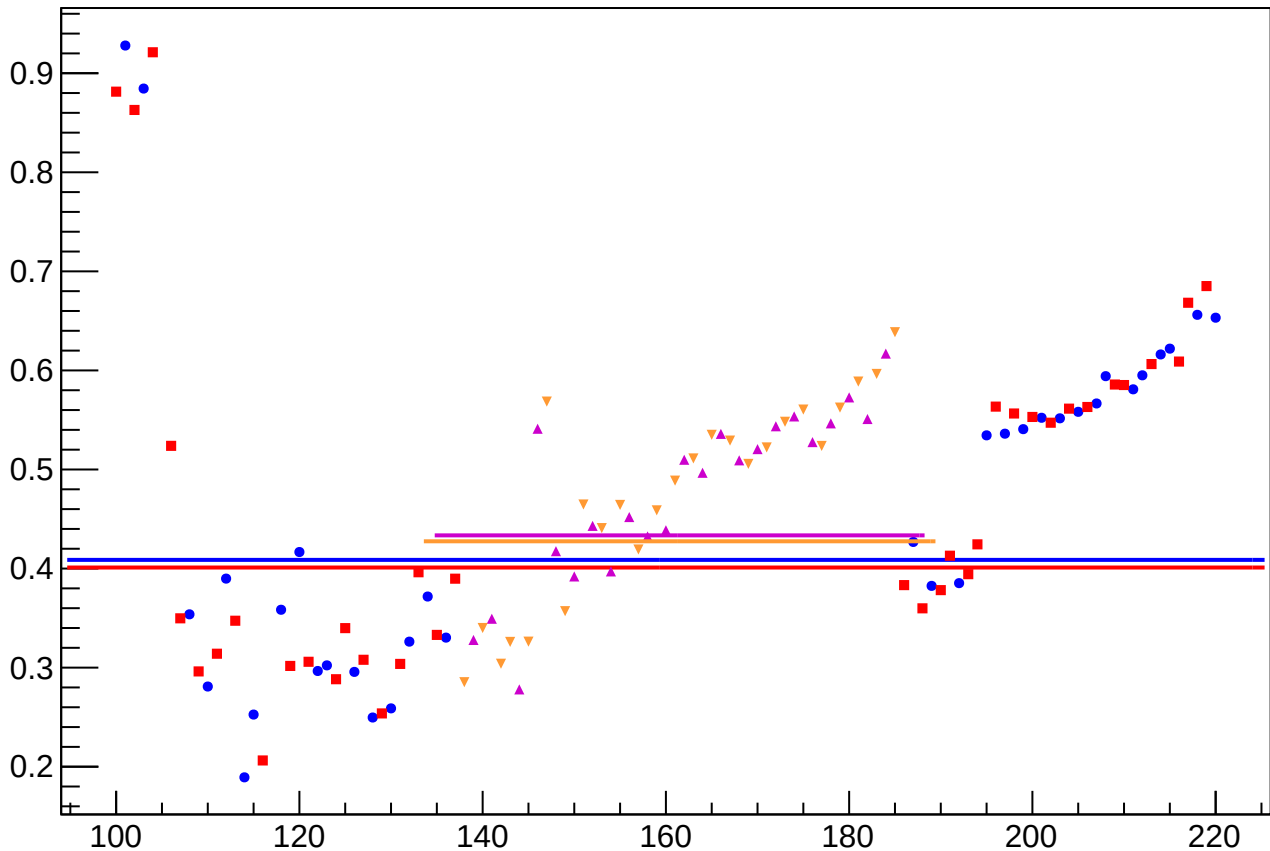
- sign 30.825 $\pm$ 0.004 χ^2 /NDF: 3624461.0/59

yield_bcm_an_ds_mean vs Slug



Right In: 144.346 $\pm$ 0.000	χ^2 /NDF: 3517179371.4/33	+ sign 146.174 $\pm$ 0.000	χ^2 /NDF: 4238759847.2/58
Left Out: 148.074 $\pm$ 0.000	χ^2 /NDF: 65673678.9/24	All: 145.632 $\pm$ 0.000	χ^2 /NDF: 13219099219.
Right Out: 142.975 $\pm$ 0.000	χ^2 /NDF: 7492795511.5/36	- sign 145.093 $\pm$ 0.000	χ^2 /NDF: 8869673057.4/59
Left In: 147.660 $\pm$ 0.000	χ^2 /NDF: 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.409 ± 0.000 χ^2/NDF : 4066931.5/33

Left Out: 0.428 ± 0.000 χ^2/NDF : 1892802.8/24

Right Out: 0.401 ± 0.000 χ^2/NDF : 3788881.4/36

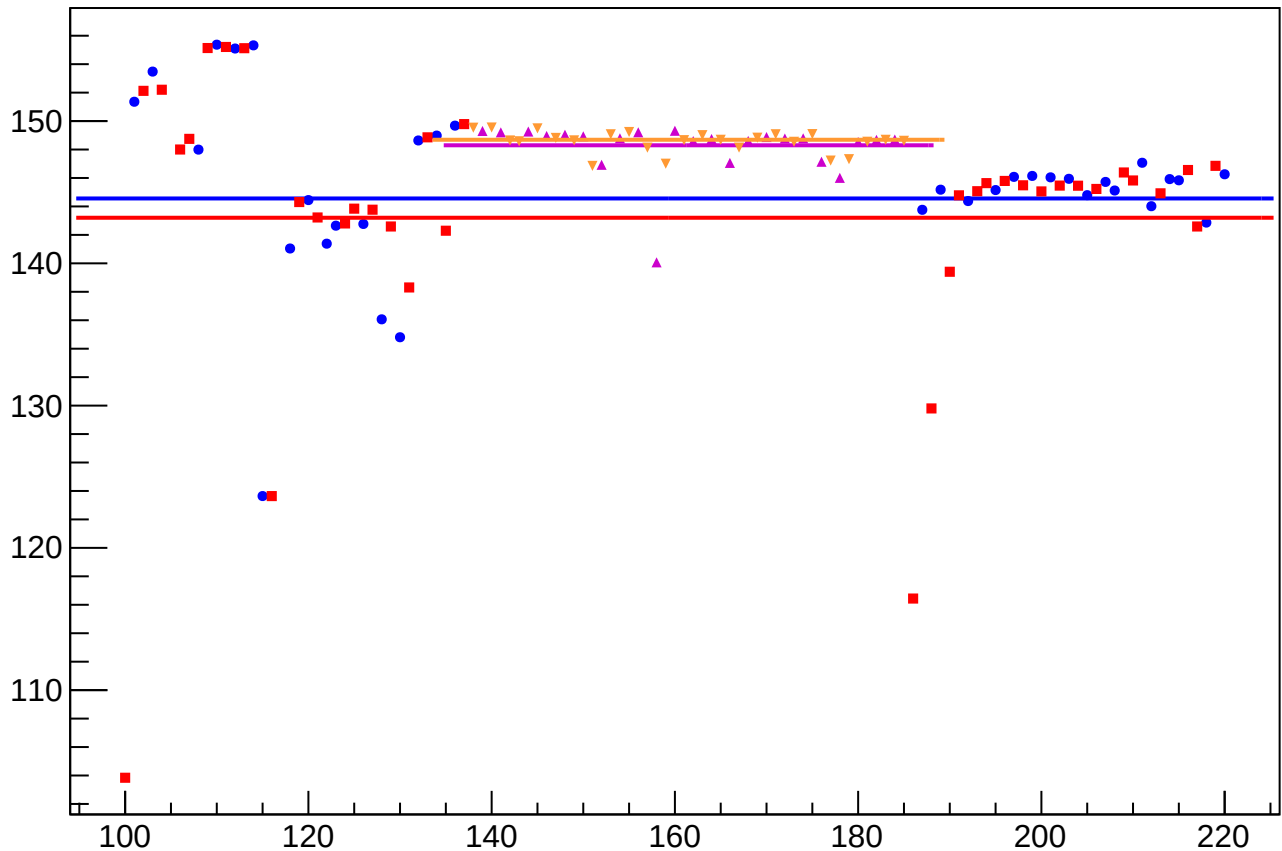
Left In: 0.434 ± 0.000 χ^2/NDF : 1479367.0/22

+ sign 0.418 ± 0.000 χ^2/NDF : 5992922.6/58

All: 0.417 ± 0.000 χ^2/NDF : 11361271.8/118

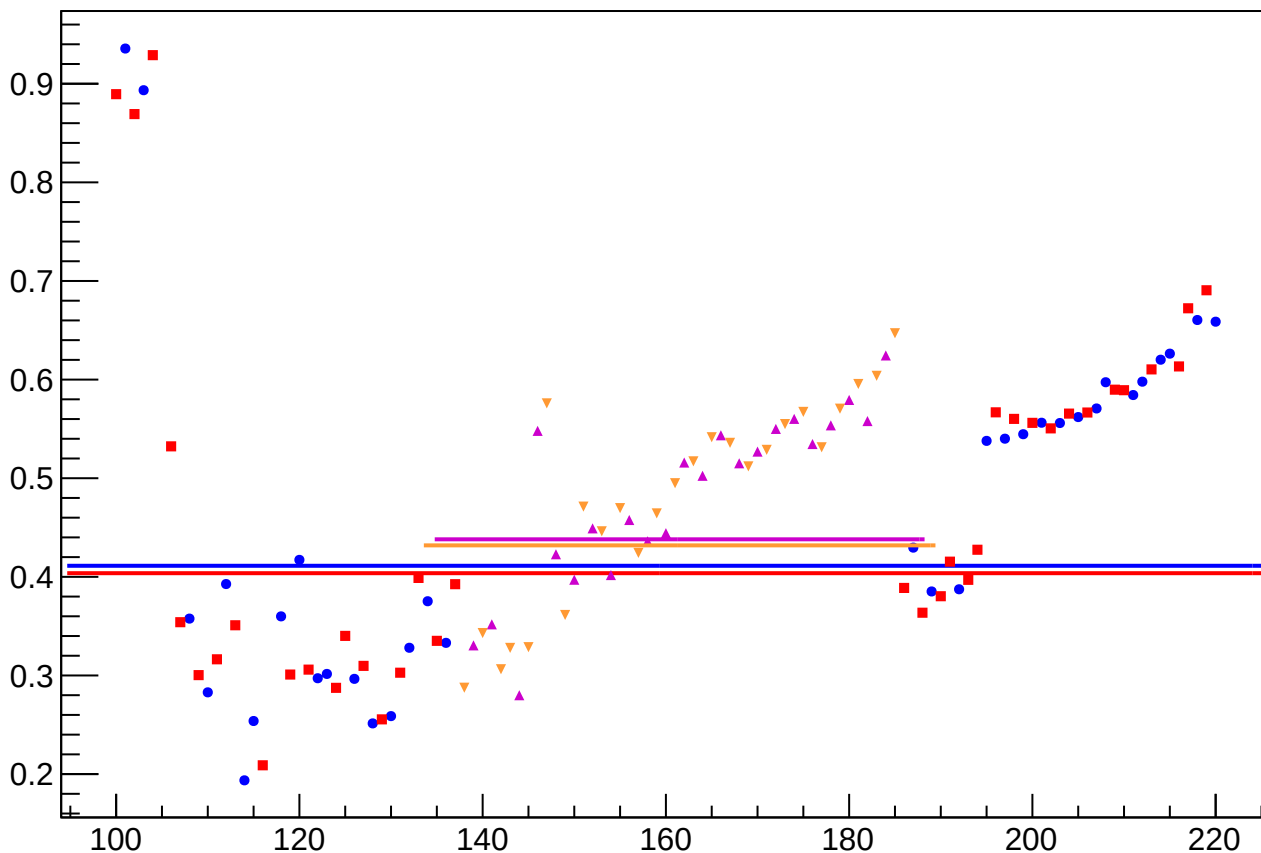
- sign 0.416 ± 0.000 χ^2/NDF : 5367397.5/59

yield_bcm_an_ds3_mean vs Slug



Right In: 144.560 $\pm$ 0.000	χ^2 /NDF: 3567964488.7/33	+ sign 146.574 $\pm$ 0.000	χ^2 /NDF: 4410507222.7/58
Left Out: 148.687 $\pm$ 0.000	χ^2 /NDF: 52285197.5/24	All: 146.034 $\pm$ 0.000	χ^2 /NDF: 13495251769.
Right Out: 143.205 $\pm$ 0.000	χ^2 /NDF: 7445560257.7/36	- sign 145.497 $\pm$ 0.000	χ^2 /NDF: 8976627955.6/59
Left In: 148.298 $\pm$ 0.000	χ^2 /NDF: 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.411 ± 0.000 χ^2/NDF : 4076957.7/33

Left Out: 0.432 ± 0.000 χ^2/NDF : 1924979.0/24

Right Out: 0.404 ± 0.000 χ^2/NDF : 3793867.0/36

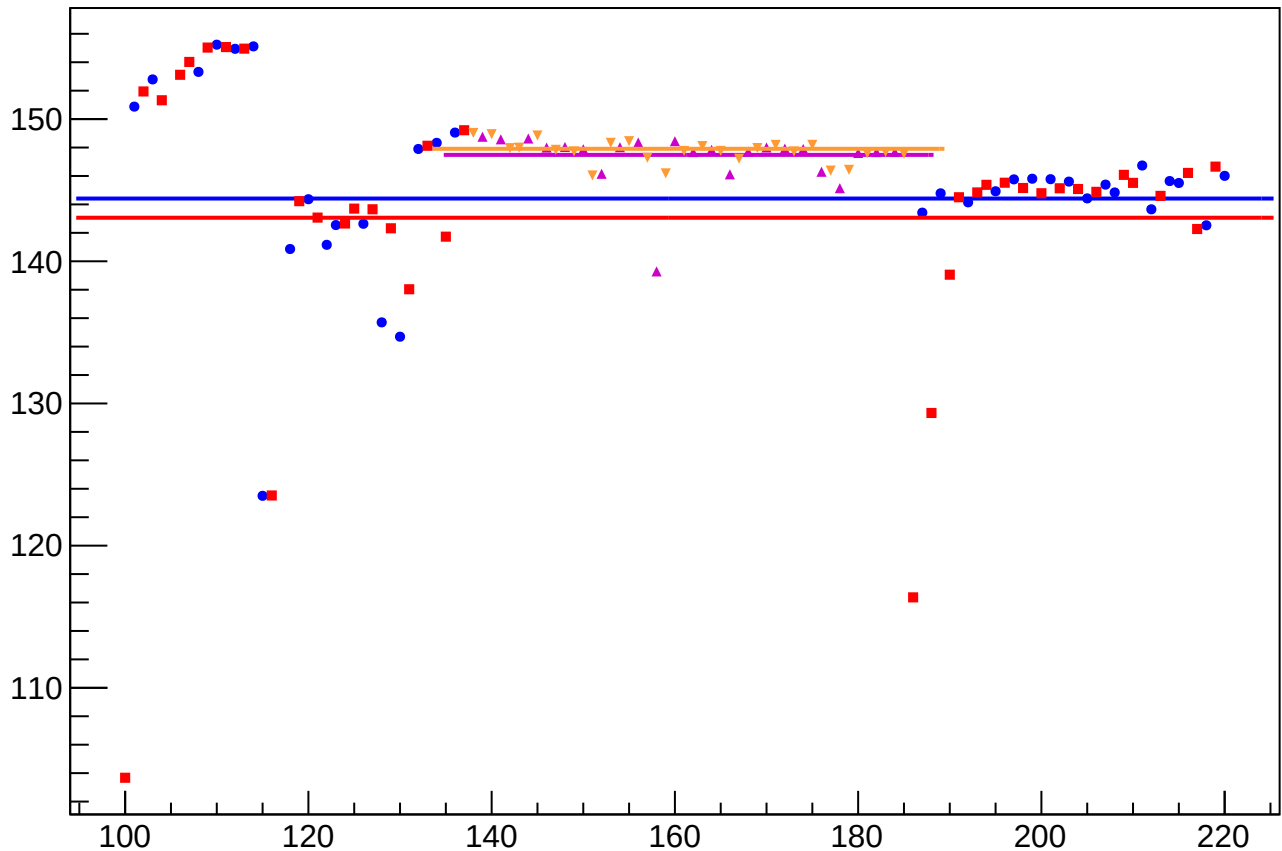
Left In: 0.438 ± 0.000 χ^2/NDF : 1504635.6/22

+ sign 0.421 ± 0.000 χ^2/NDF : 6041677.6/58

All: 0.420 ± 0.000 χ^2/NDF : 11450071.1/118

- sign 0.419 ± 0.000 χ^2/NDF : 5407527.7/59

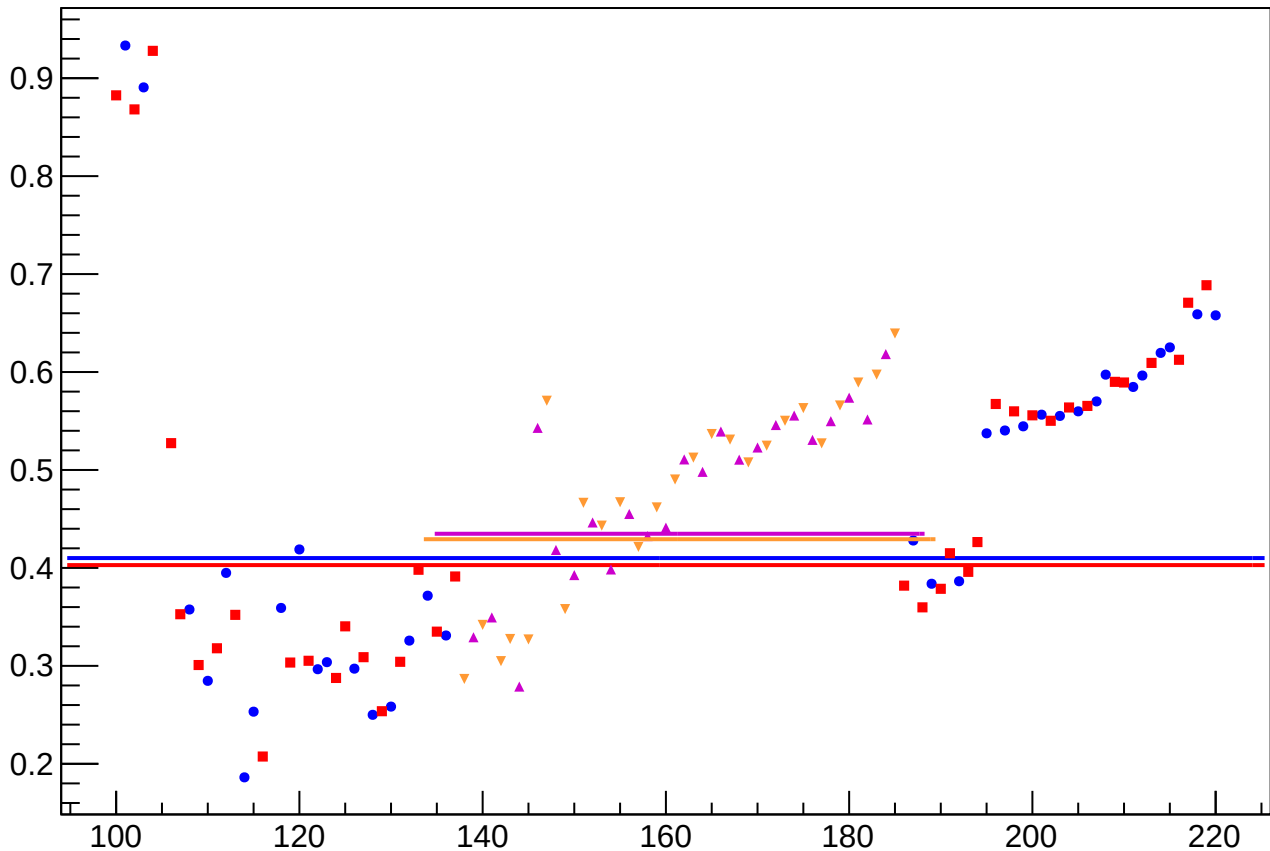
yield_bcm_an_us_mean vs Slug



Right In: 144.413 $\pm$ 0.000 χ^2/NDF : 3722665548.5/33
 Left Out: 147.912 $\pm$ 0.000 χ^2/NDF : 64463426.1/24
 Right Out: 143.063 $\pm$ 0.000 χ^2/NDF : 7865922053.7/36
 Left In: 147.483 $\pm$ 0.000 χ^2/NDF : 342674720.4/22

+ sign 146.128 $\pm$ 0.000 χ^2/NDF : 4360305034.0/58
 All: 145.595 $\pm$ 0.000 χ^2/NDF : 13587403269.
 - sign 145.064 $\pm$ 0.000 χ^2/NDF : 9120768306.5/59

yield_bcm_an_us_rms vs Slug



Right In: 0.410 $\pm$ 0.000 χ^2 /NDF: 4109610.9/33

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.403 $\pm$ 0.000 χ^2 /NDF: 3797216.6/36

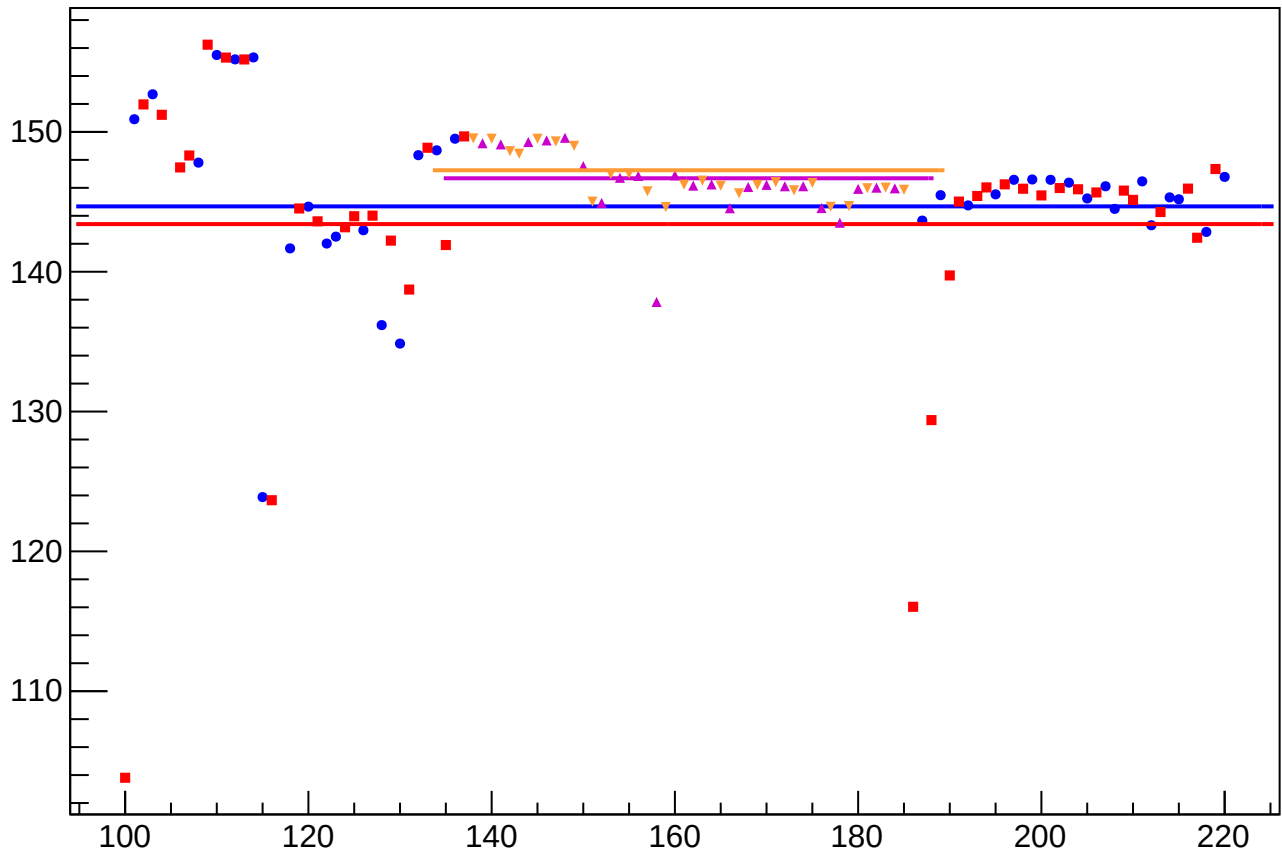
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.419 $\pm$ 0.000 χ^2 /NDF: 6036001.4/58

All: 0.418 $\pm$ 0.000 χ^2 /NDF: 11415588.8/118

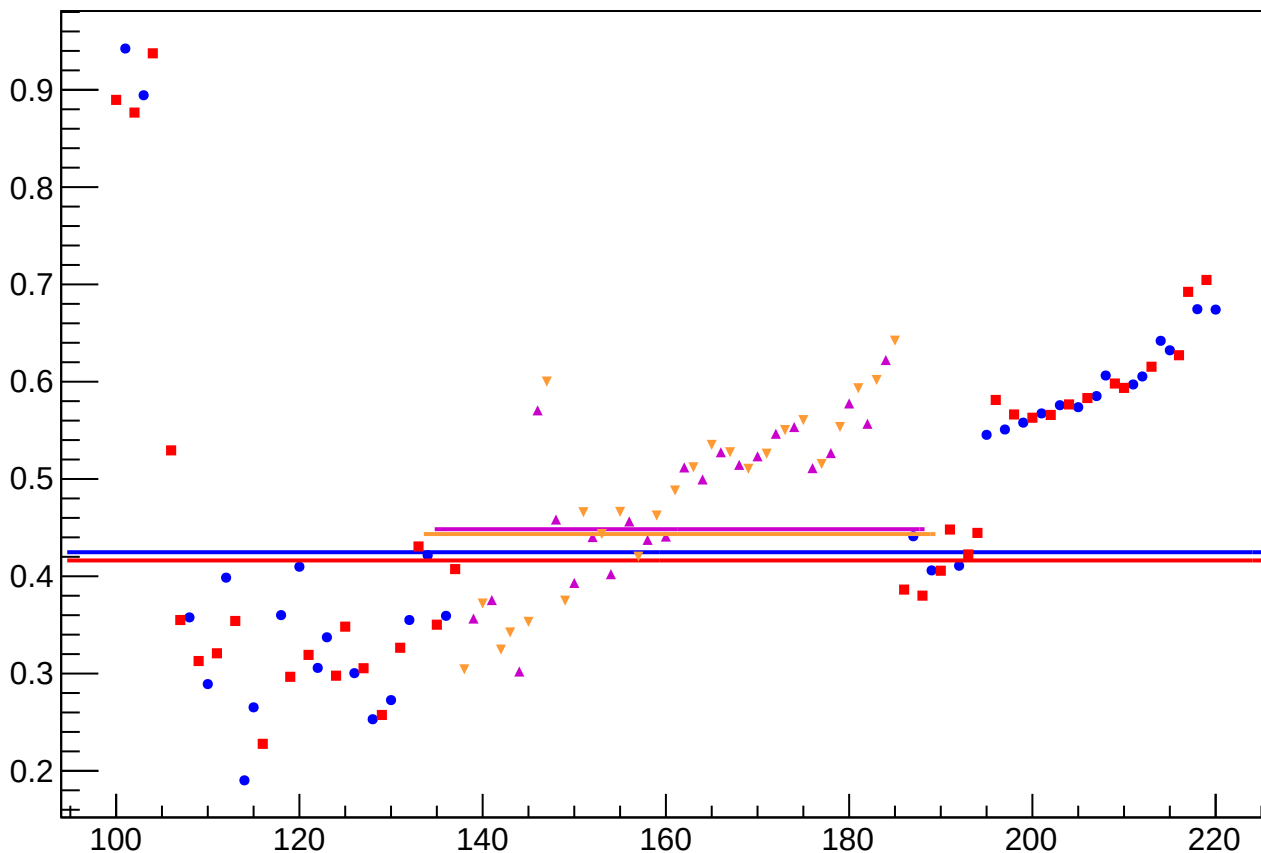
- sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5378737.3/59

yield_bcm_dg_us_mean vs Slug



Right In: 144.674+/-0.000	χ^2/NDF : 3244082722.8/33	+ sign 145.950+/-0.000	χ^2/NDF : 3799666763.7/58
Left Out: 147.257+/-0.000	χ^2/NDF : 261906278.3/24	All: 145.424+/-0.000	χ^2/NDF : 12106286121.0
Right Out: 143.408+/-0.000	χ^2/NDF : 7181441337.0/36	- sign 144.903+/-0.000	χ^2/NDF : 8209765512.2/59
Left In: 146.685+/-0.000	χ^2/NDF : 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.425 $\pm$ 0.000 χ^2 /NDF: 3970908.1/33

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.416 $\pm$ 0.000 χ^2 /NDF: 3674580.8/36

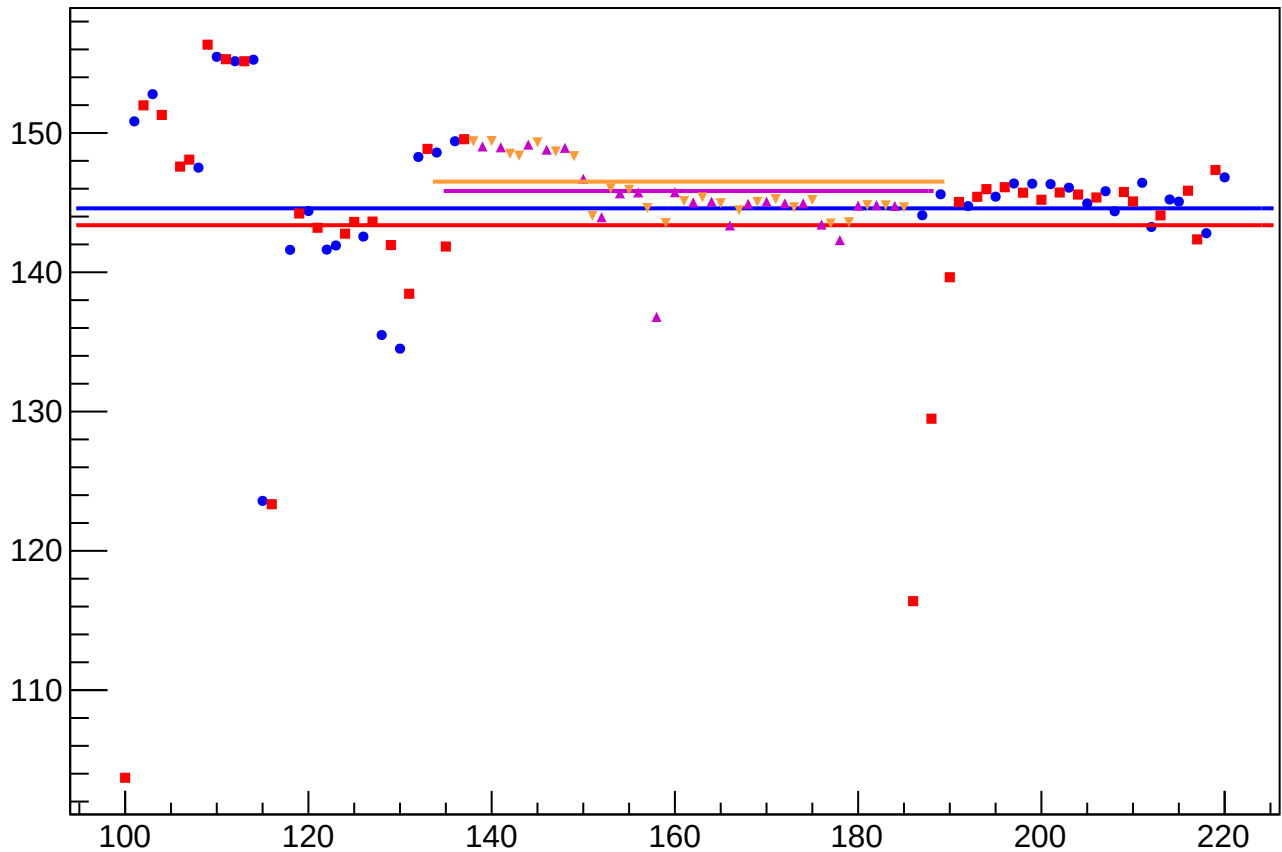
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.434 $\pm$ 0.000 χ^2 /NDF: 5482049.0/58

All: 0.432 $\pm$ 0.000 χ^2 /NDF: 10369455.7/118

- sign 0.431 $\pm$ 0.000 χ^2 /NDF: 4885798.3/59

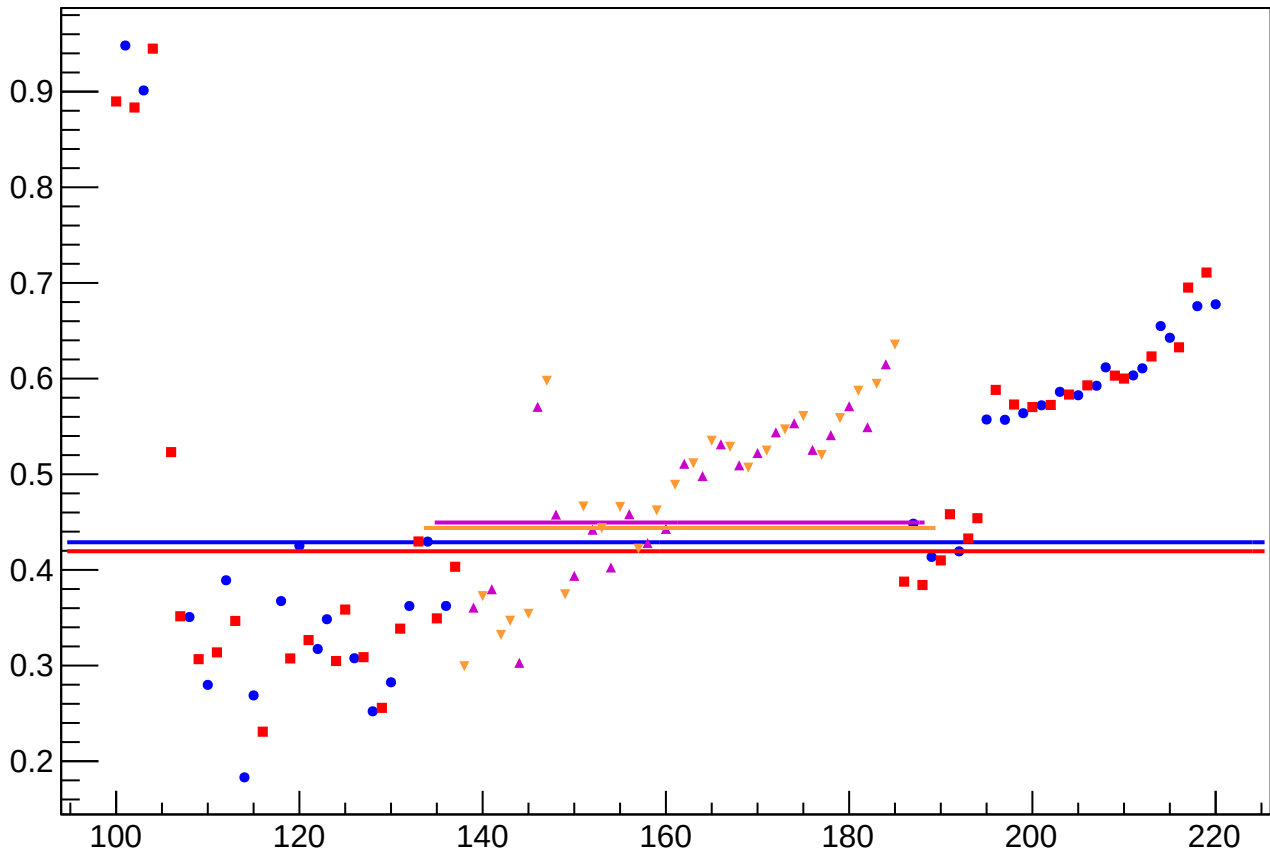
yield_bcm_dg_ds_mean vs Slug



Right In: 144.591 ± 0.000 χ^2/NDF : 3354340386.1/33
 Left Out: 146.508 ± 0.000 χ^2/NDF : 401248837.9/24
 Right Out: 143.379 ± 0.000 χ^2/NDF : 7133174690.9/36
 Left In: 145.834 ± 0.000 χ^2/NDF : 690172810.0/22

+ sign 145.548 ± 0.000 χ^2/NDF : 3915401516.8/58
 All: 145.025 ± 0.000 χ^2/NDF : 12095786361.
 - sign 144.508 ± 0.000 χ^2/NDF : 8085992650.6/59

yield_bcm_dg_ds_rms vs Slug



Right In: 0.429+/-0.000 χ^2/NDF : 4020106.5/33

Left Out: 0.444+/-0.000 χ^2/NDF :1460383.7/24

Right Out: 0.419+/-0.000 χ^2/NDF : 3710204.2/36

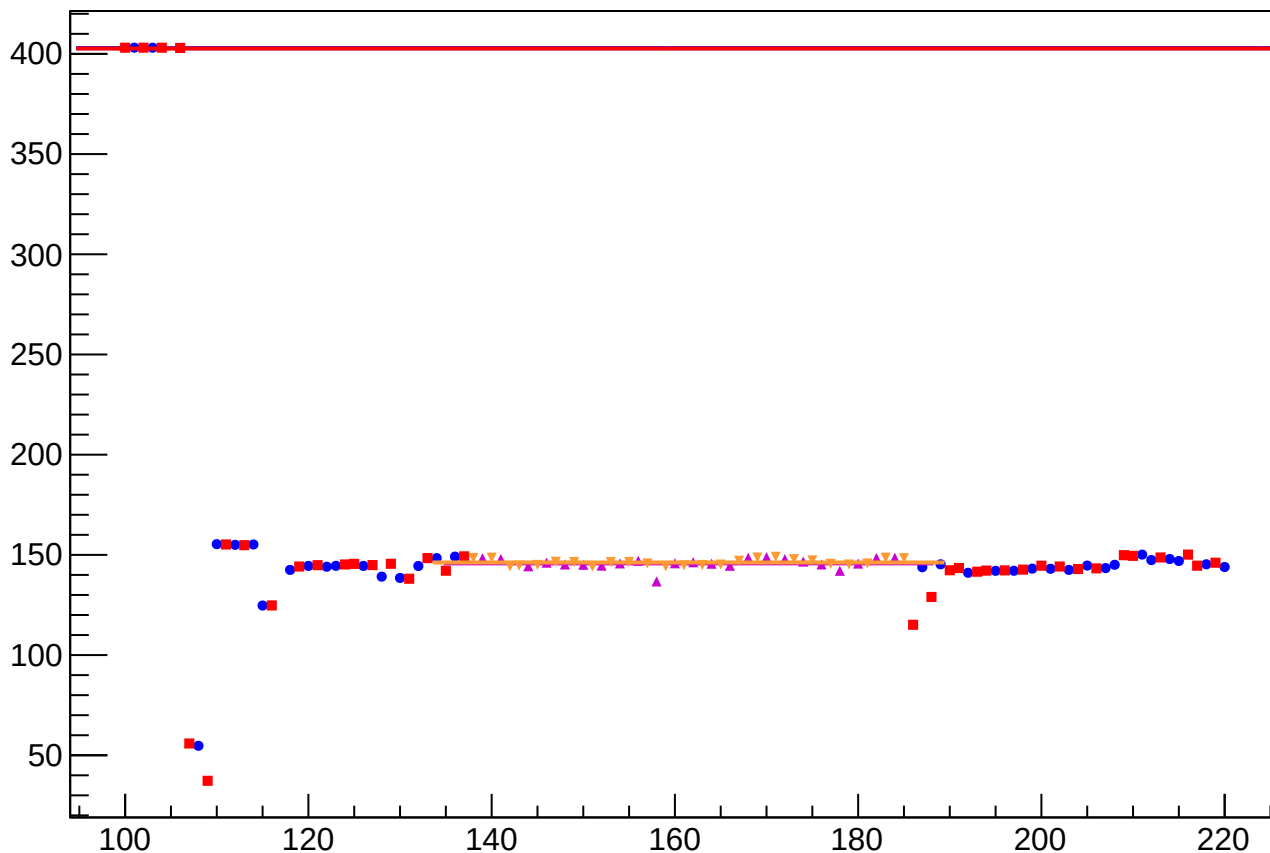
Left In: 0.450+/-0.000 χ^2/NDF :1092776.5/22

+ sign 0.436+/-0.000 χ^2/NDF : 5499770.3/58

All: 0.435+/-0.000 χ^2/NDF : 10382998.3/118

- sign 0.433+/-0.000 χ^2/NDF : 4881617.1/59

yield_cav4bQ_mean vs Slug



Right In: 402.848 $\pm$ 0.000 χ^2 /NDF: 1978326865688.4/33

Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 86042286.3/24

Right Out: 402.678 $\pm$ 0.000 χ^2 /NDF: 4213963413229.5/36

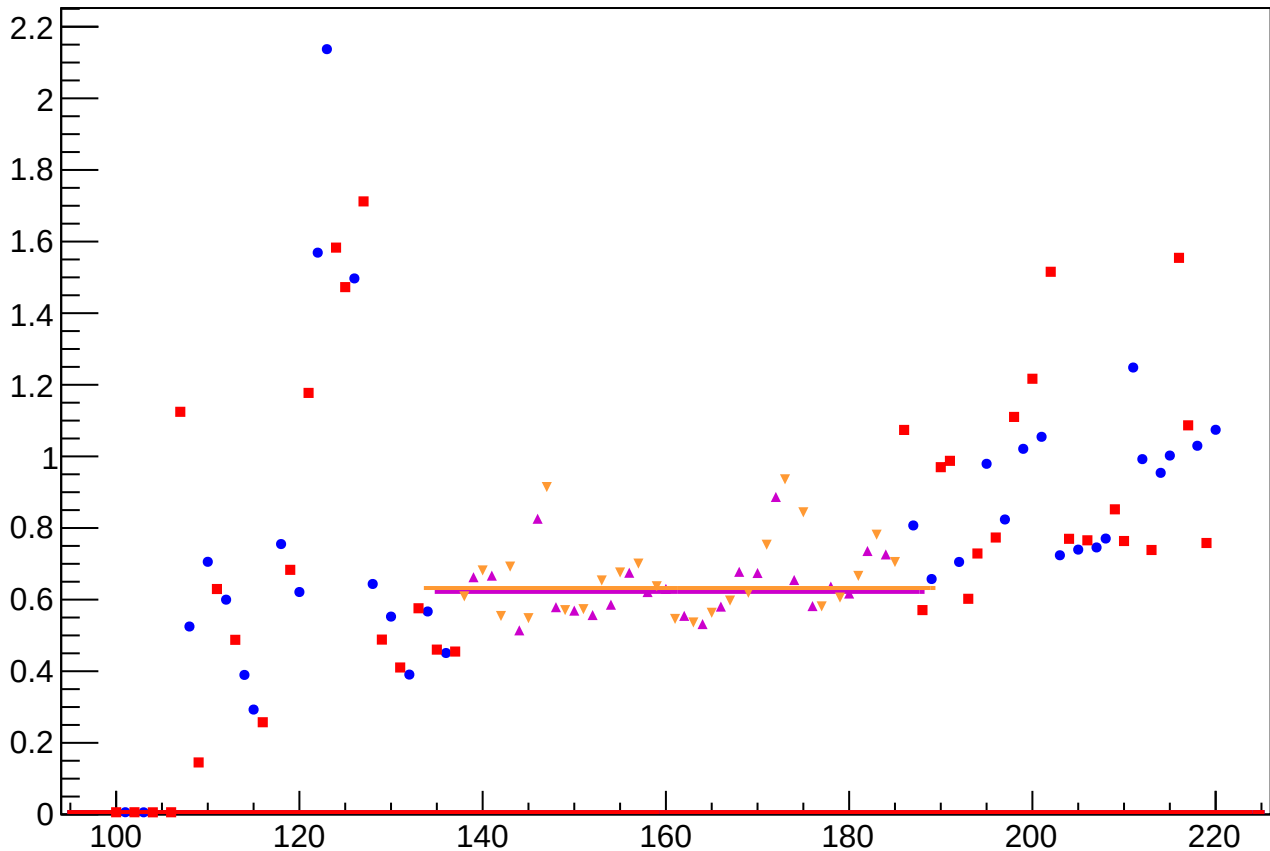
Left In: 145.755 $\pm$ 0.000 χ^2 /NDF: 206171532.0/22

+ sign 402.553 $\pm$ 0.000 χ^2 /NDF: 4337611703128.8

All: 402.483 $\pm$ 0.000 χ^2 /NDF: 10879378598

- sign 402.421 $\pm$ 0.000 χ^2 /NDF: 6541479323350.4

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 28688179.1/33

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 30491909.0/36

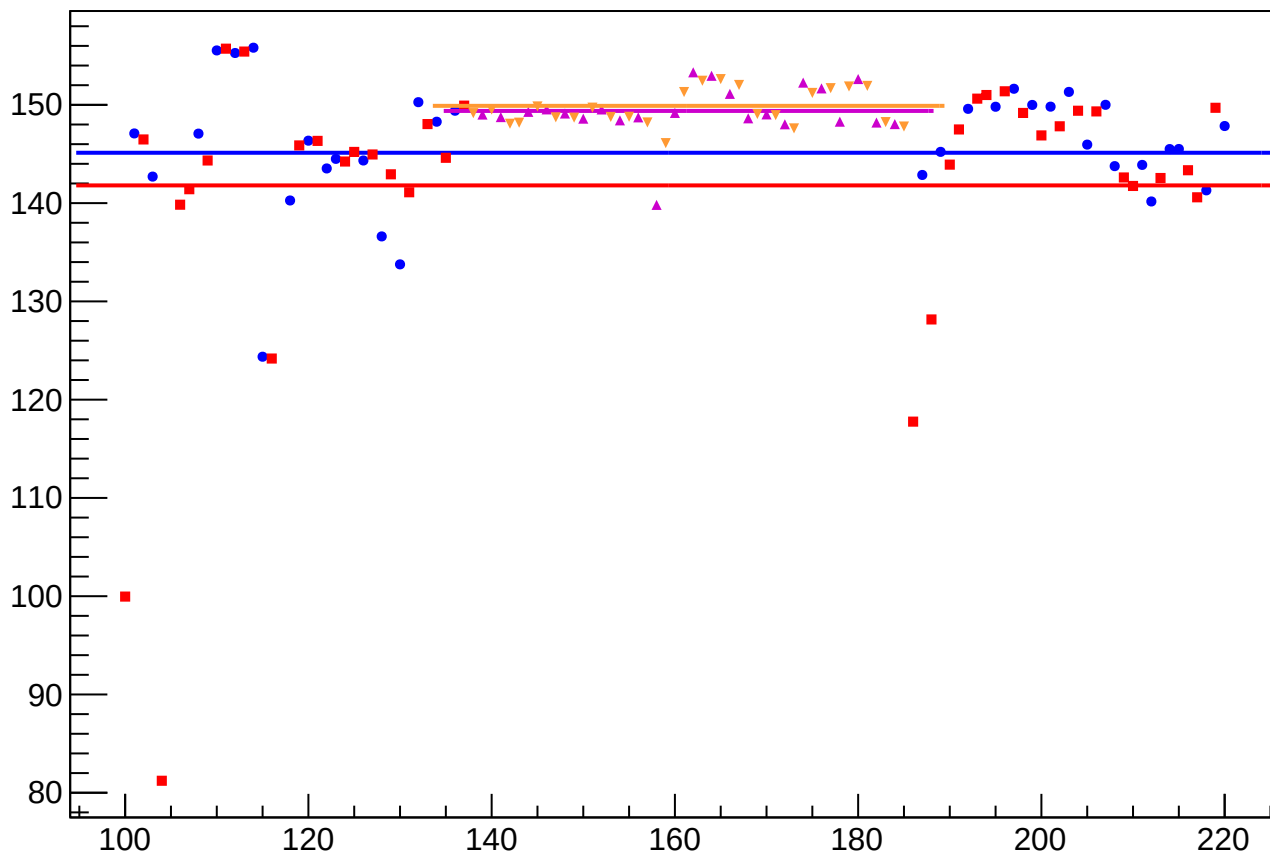
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 57351026.8/58

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 114906269.8/118

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 57554825.6/59

yield_cav4cQ_mean vs Slug



Right In: 145.125+/-0.000 χ^2/NDF : 1383996436.8/33

Left Out: 149.900+/-0.000 χ^2/NDF :162845622.6/24

Right Out: 141.803+/-0.000 χ^2/NDF : 3337466648.6/36

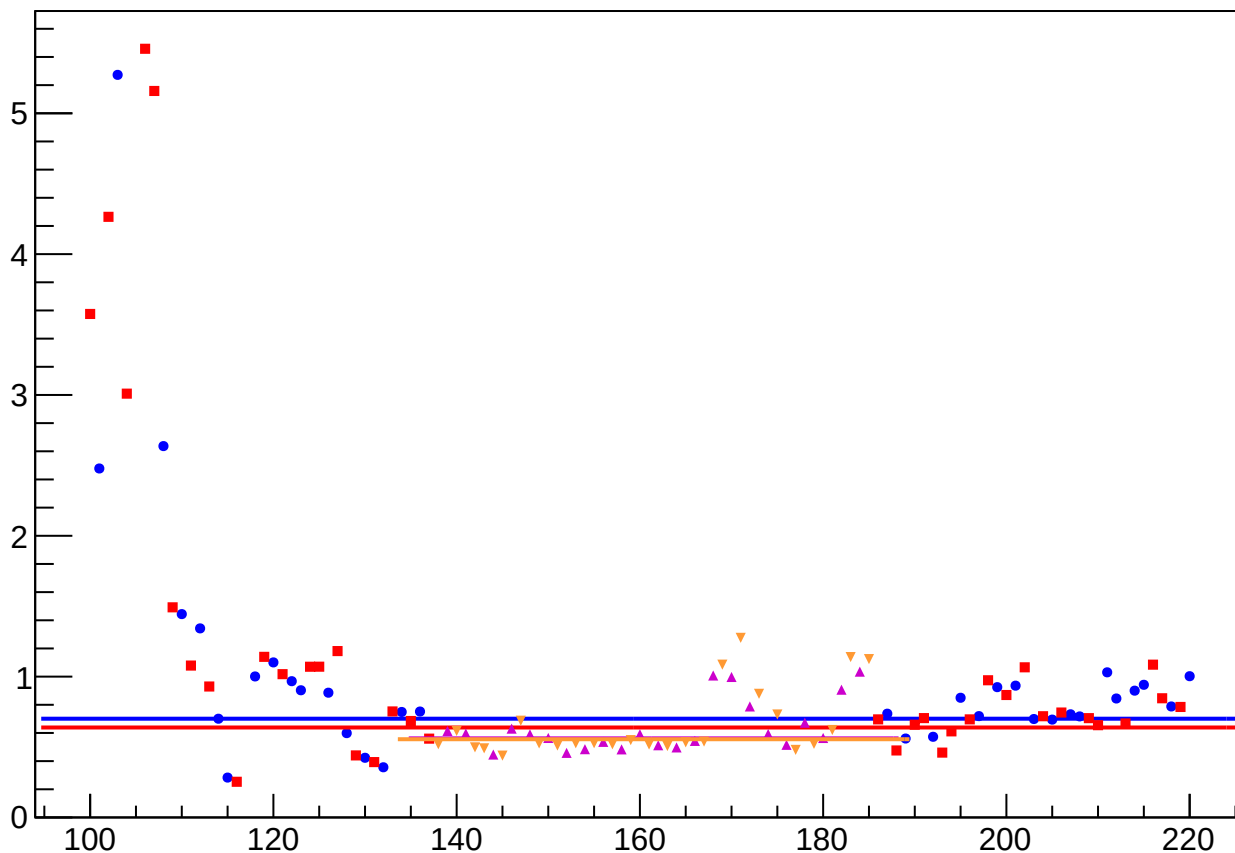
Left In: 149.382+/-0.000 χ^2/NDF :434657827.5/22

+ sign 148.223+/-0.000 χ^2/NDF : 1953213269.5/58

All: 147.206+/-0.000 χ^2/NDF : 7015194679.0

- sign 146.225+/-0.000 χ^2/NDF : 4903157280.5/59

yield_cav4cQ_rms vs Slug



Right In: 0.701 ± 0.000 χ^2/NDF : 4539973.8/33

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.639 ± 0.000 χ^2/NDF : 5959216.2/36

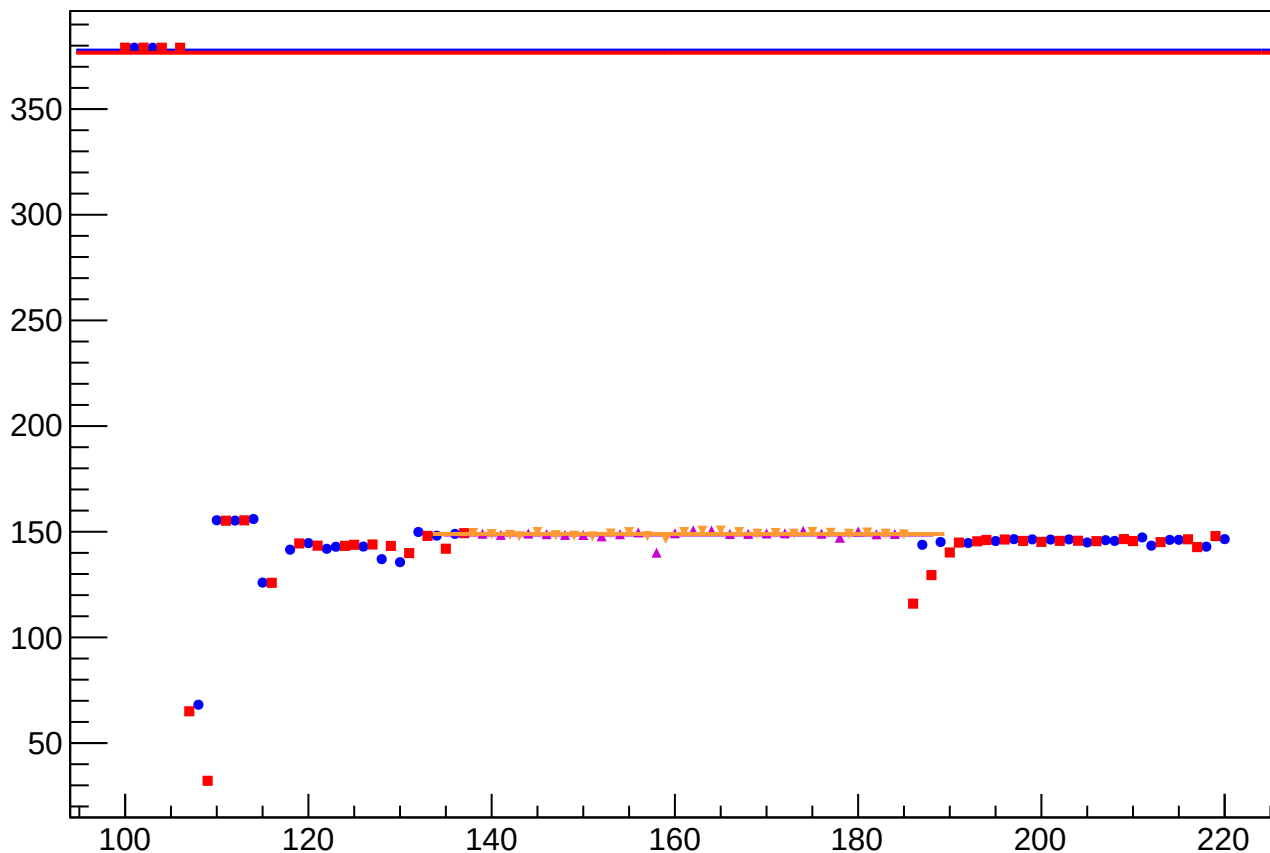
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.607 ± 0.000 χ^2/NDF : 7070762.4/58

All: 0.600 ± 0.000 χ^2/NDF : 14582228.7/118

- sign 0.594 ± 0.000 χ^2/NDF : 7498351.7/59

yield_cav4dQ_mean vs Slug



Right In: 377.670+/-0.000 χ^2/NDF : 4407723273808.4/33

Left Out: 148.944+/-0.000 χ^2/NDF : 63976941.3/24

Right Out: 376.669+/-0.000 χ^2/NDF : 10497970761509.3/36

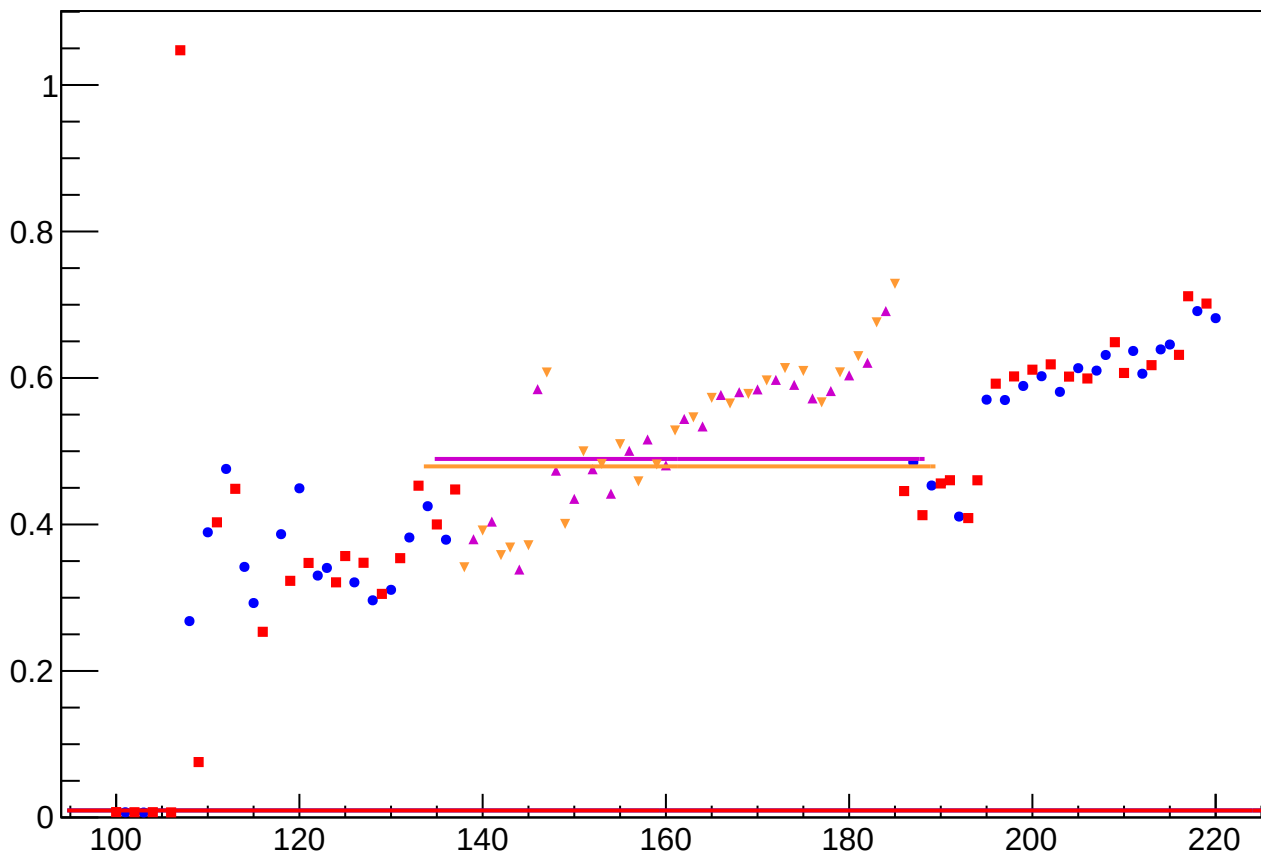
Left In: 148.672+/-0.000 χ^2/NDF : 252846428.3/22

+ sign 376.397+/-0.000 χ^2/NDF : 8294120236948.7

All: 375.999+/-0.000 χ^2/NDF : 223358385694

- sign 375.649+/-0.000 χ^2/NDF : 14037716465090.1

yield_cav4dQ_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 32896578.7/33

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1516566.1/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 33032933.1/36

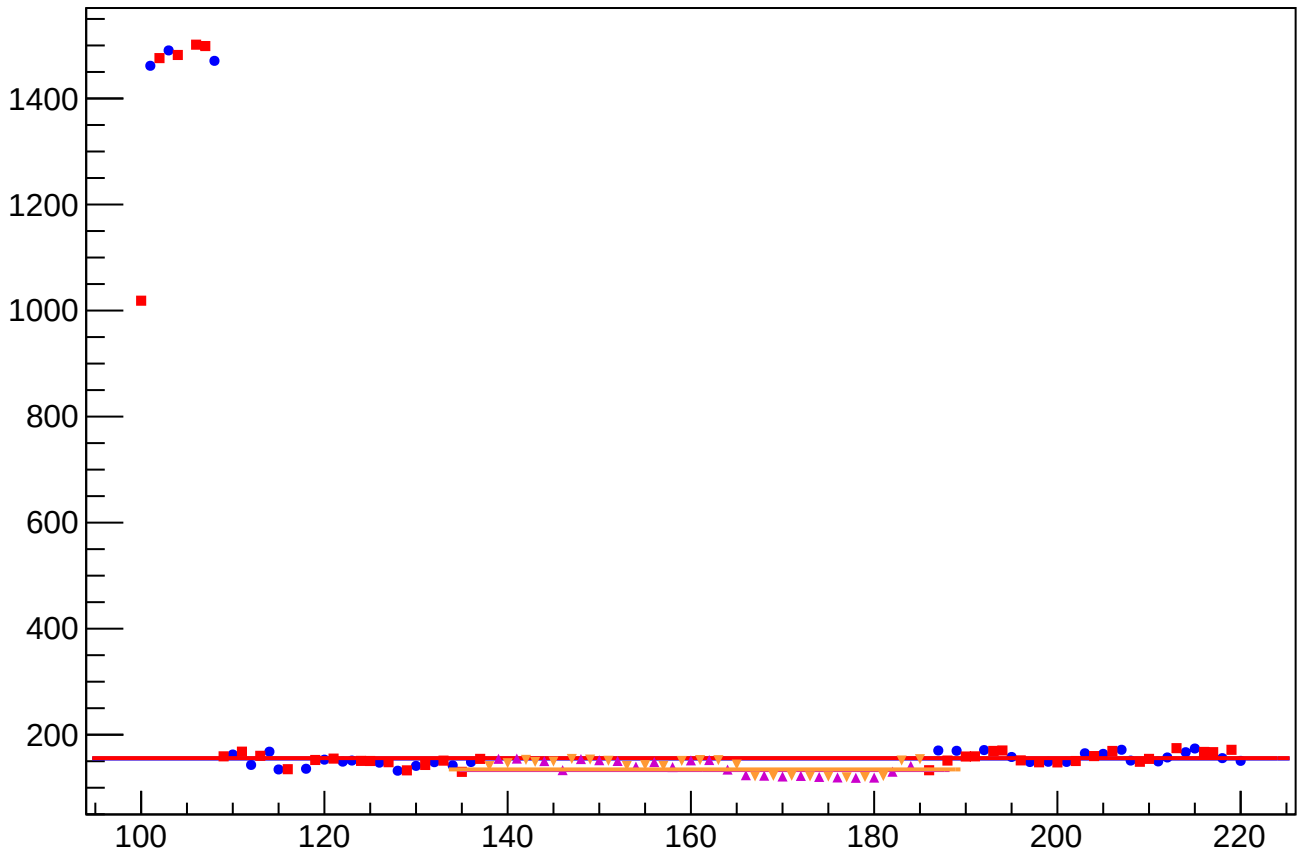
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF:1076134.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 67189016.6/58

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 132667288.3/118

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 65474162.3/59

yield_bcm0l02_mean vs Slug



Right In: 155.045+/-0.000 χ^2/NDF : 26204187362.1/33

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 155.858+/-0.000 χ^2/NDF : 35434373341.9/36

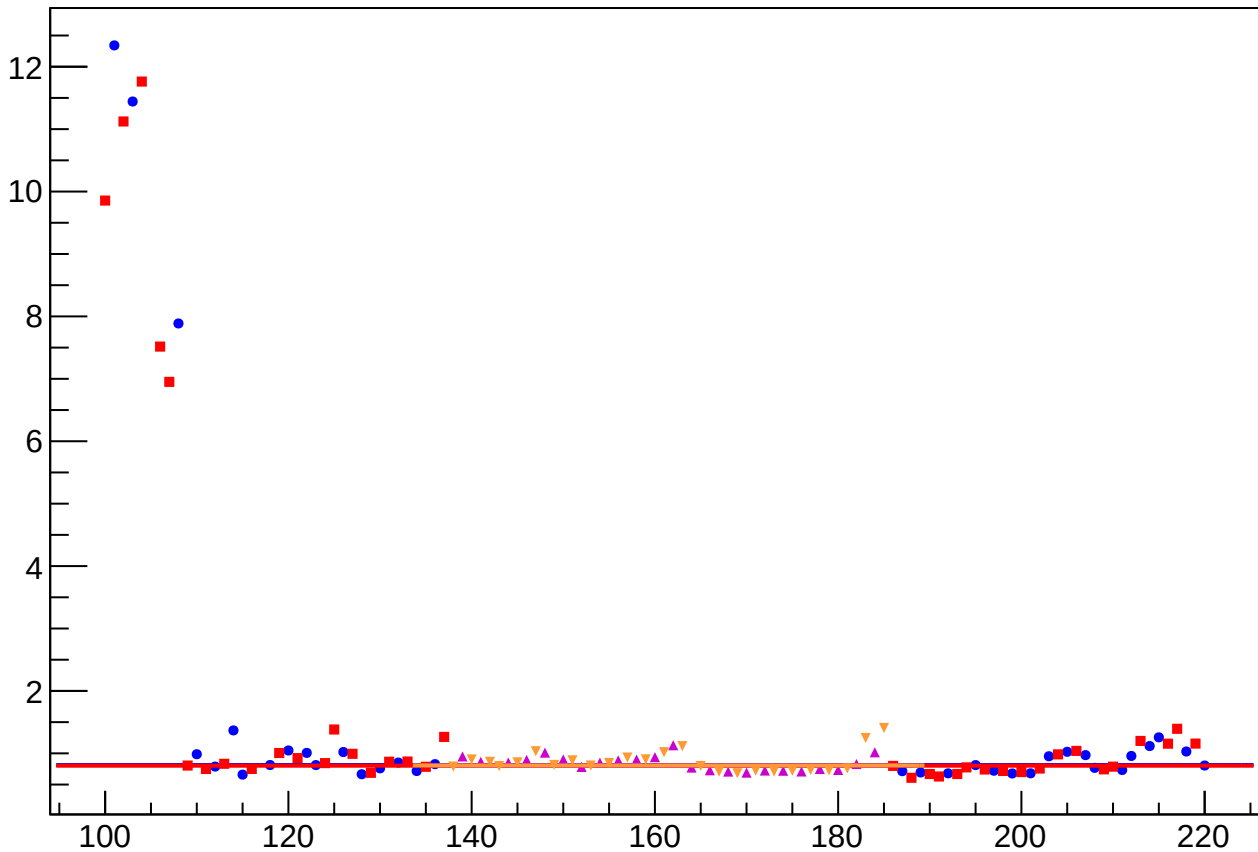
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 144.266+/-0.000 χ^2/NDF : 35300592790.1/58

All: 144.359+/-0.000 χ^2/NDF : 80731849930.1/116

- sign 144.452+/-0.000 χ^2/NDF : 45430481301.9/59

yield_bcm0l02_rms vs Slug



Right In: 0.812 ± 0.000 χ^2/NDF : 3362347.5/33

Left Out: 0.806 ± 0.000 χ^2/NDF : 690578.5/24

Right Out: 0.802 ± 0.000 χ^2/NDF : 3925262.7/36

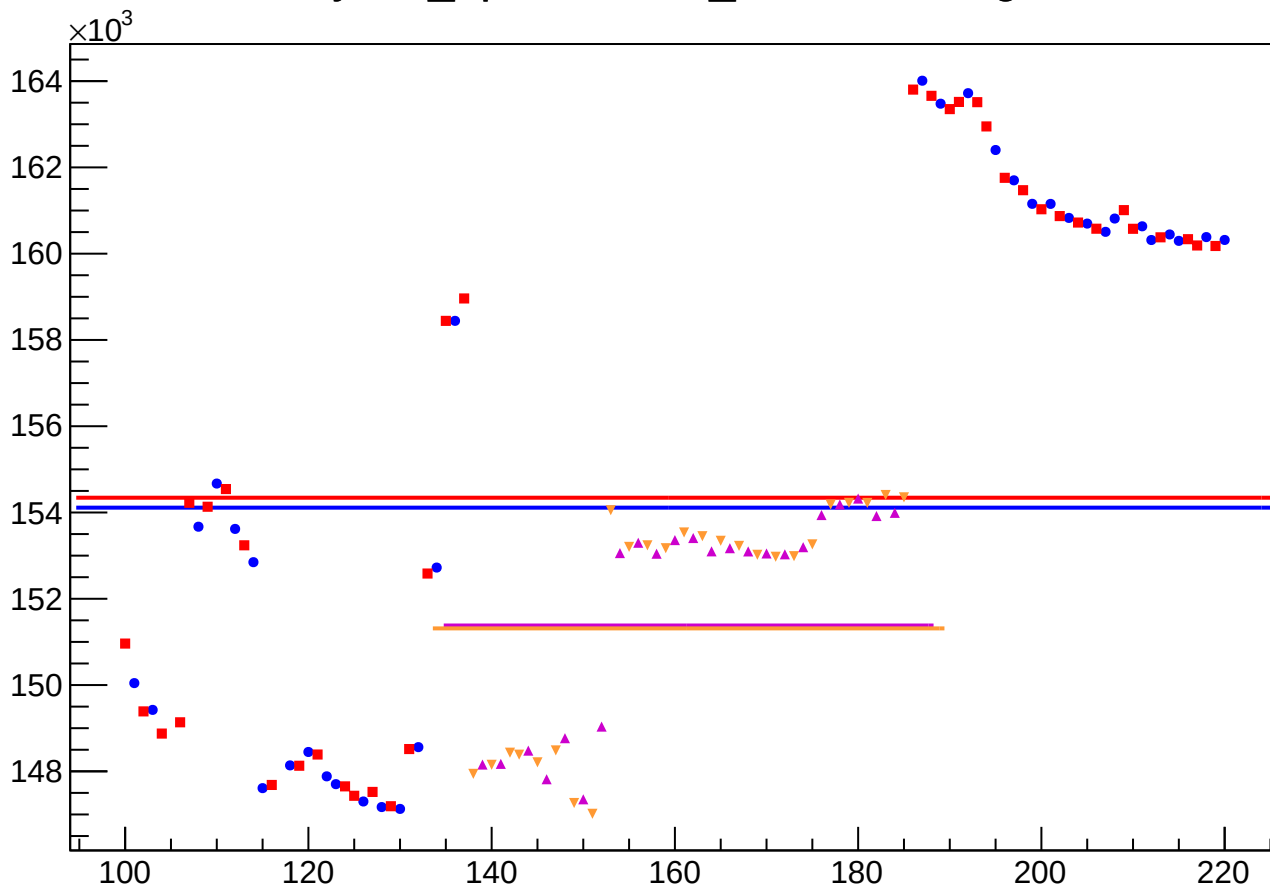
Left In: 0.805 ± 0.000 χ^2/NDF : 480510.8/22

+ sign 0.809 ± 0.000 χ^2/NDF : 4053738.1/58

All: 0.806 ± 0.000 χ^2/NDF : 8460902.2/118

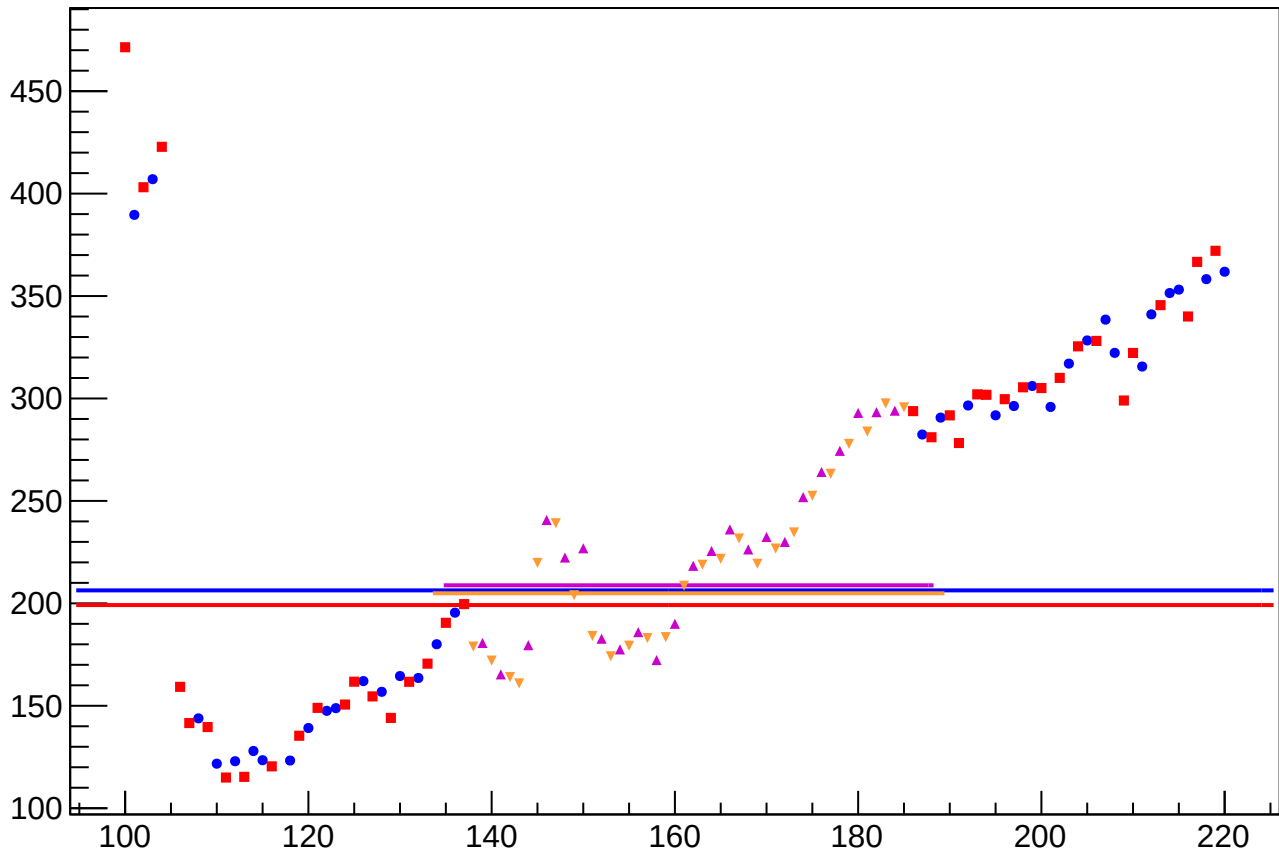
- sign 0.804 ± 0.000 χ^2/NDF : 4405890.3/59

yield_bpm0i01WS_mean vs Slug



Right In: 154112.288 $\pm$ 0.052 χ^2/NDF : 12624739947.8/33
 Left Out: 151313.284 $\pm$ 0.049 χ^2/NDF : 3153768134.8/24
 Right Out: 154342.773 $\pm$ 0.050 χ^2/NDF : 13164636782.8/36
 Left In: 151380.236 $\pm$ 0.051 χ^2/NDF : 2363895785.3/22

yield_bpm0i01WS_rms vs Slug



Right In: 206.334 $\pm$ 0.037 χ^2 /NDF: 5744489.0/33

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 199.168 $\pm$ 0.035 χ^2 /NDF: 6064589.8/36

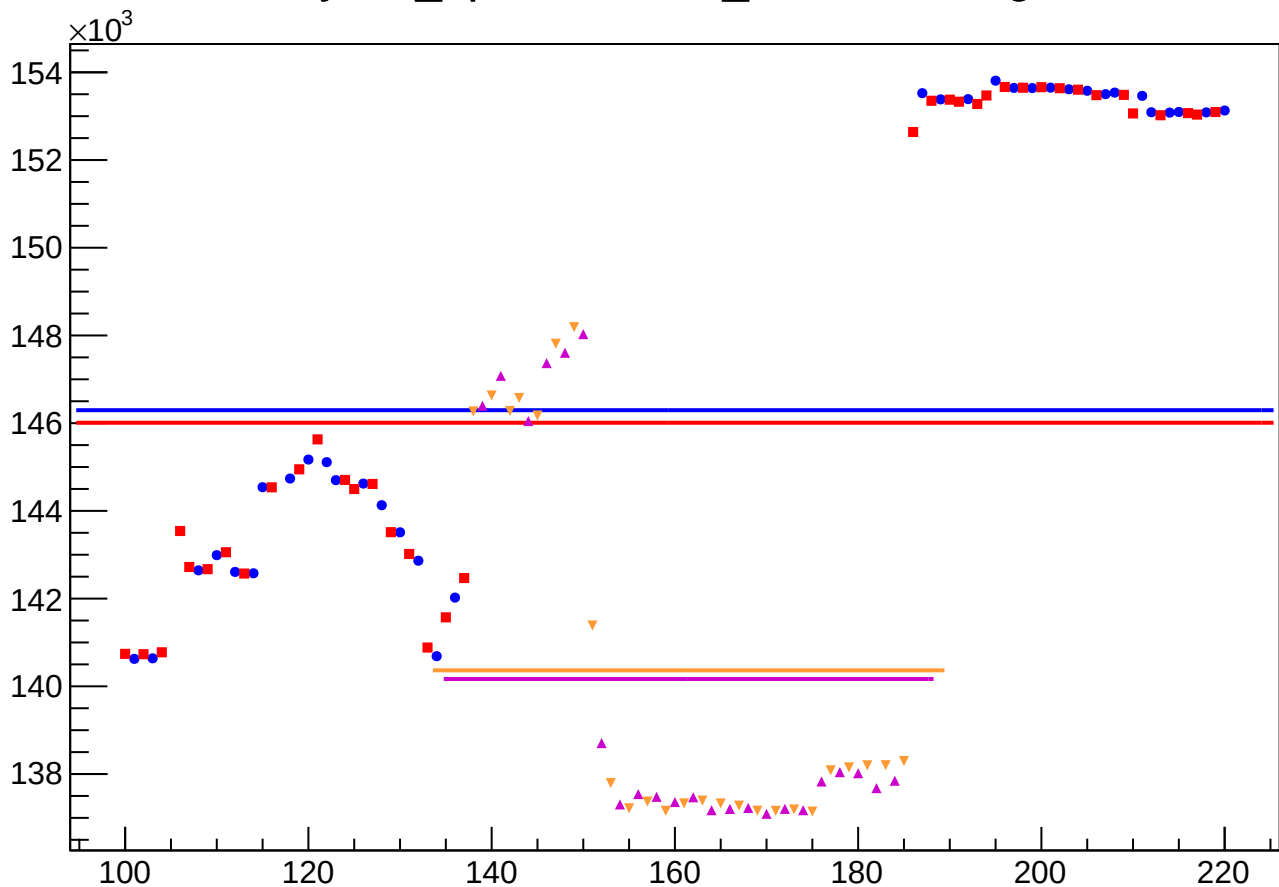
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 205.570 $\pm$ 0.025 χ^2 /NDF: 6801682.1/58

All: 204.711 $\pm$ 0.018 χ^2 /NDF: 13907125.5/1

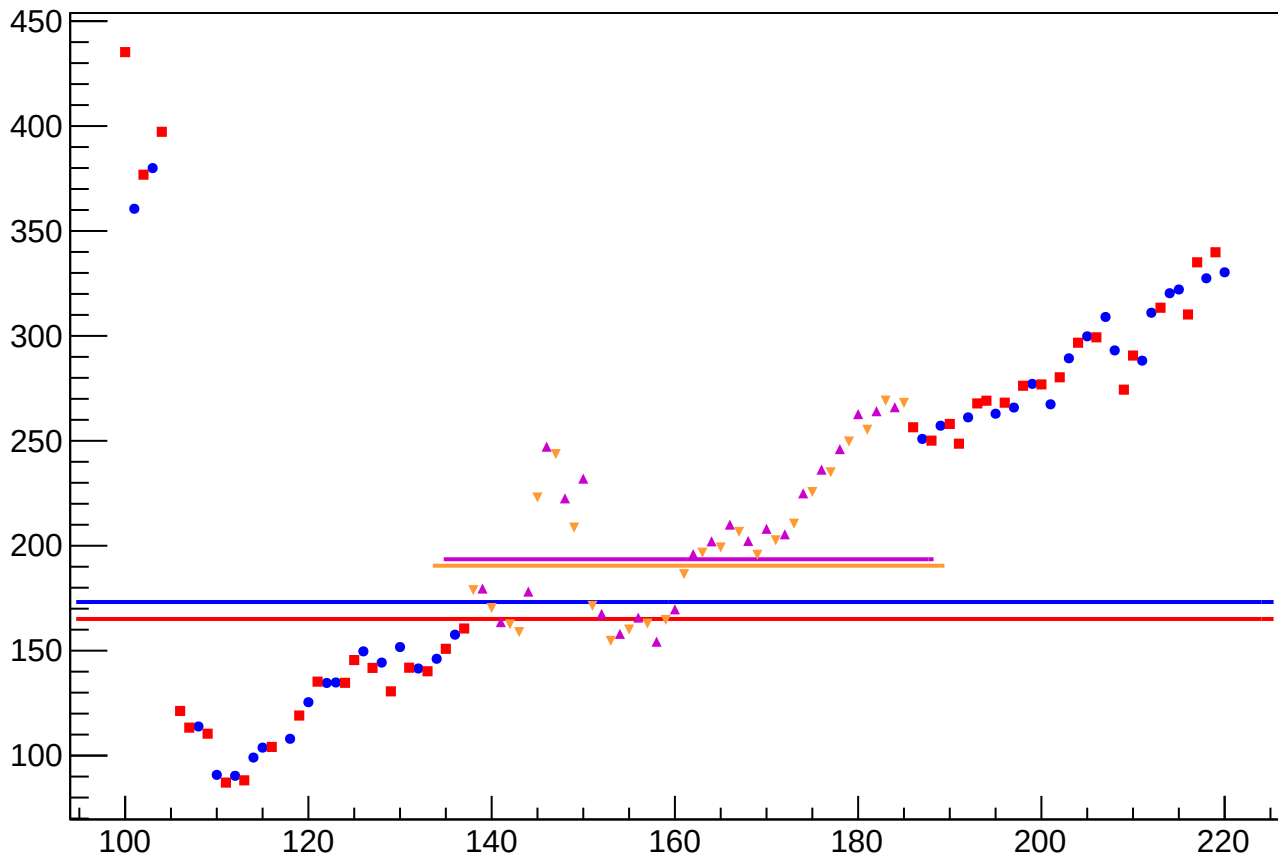
- sign 203.845 $\pm$ 0.025 χ^2 /NDF: 7103093.4/59

yield_bpm0i01aWS_mean vs Slug



Right In: 146295.792 $\pm$ 0.045	χ^2 /NDF: 11040276930.9/33	+ sign 143376.571 $\pm$ 0.032	χ^2 /NDF: 28455184748.
Left Out: 140364.444 $\pm$ 0.045	χ^2 /NDF: 8677078677.7/24	All: 143411.827 $\pm$ 0.022	χ^2 /NDF: 570096708
Right Out: 146009.881 $\pm$ 0.042	χ^2 /NDF: 12012774559.3/36	- sign 143446.434 $\pm$ 0.031	χ^2 /NDF: 28552038445.0
Left In: 140166.971 $\pm$ 0.047	χ^2 /NDF: 8028464654.6/22		

yield_bpm0i01aWS_rms vs Slug



Right In: 173.178 $\pm$ 0.031 χ^2 /NDF: 7041867.8/33

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 165.108 $\pm$ 0.030 χ^2 /NDF: 7445100.3/36

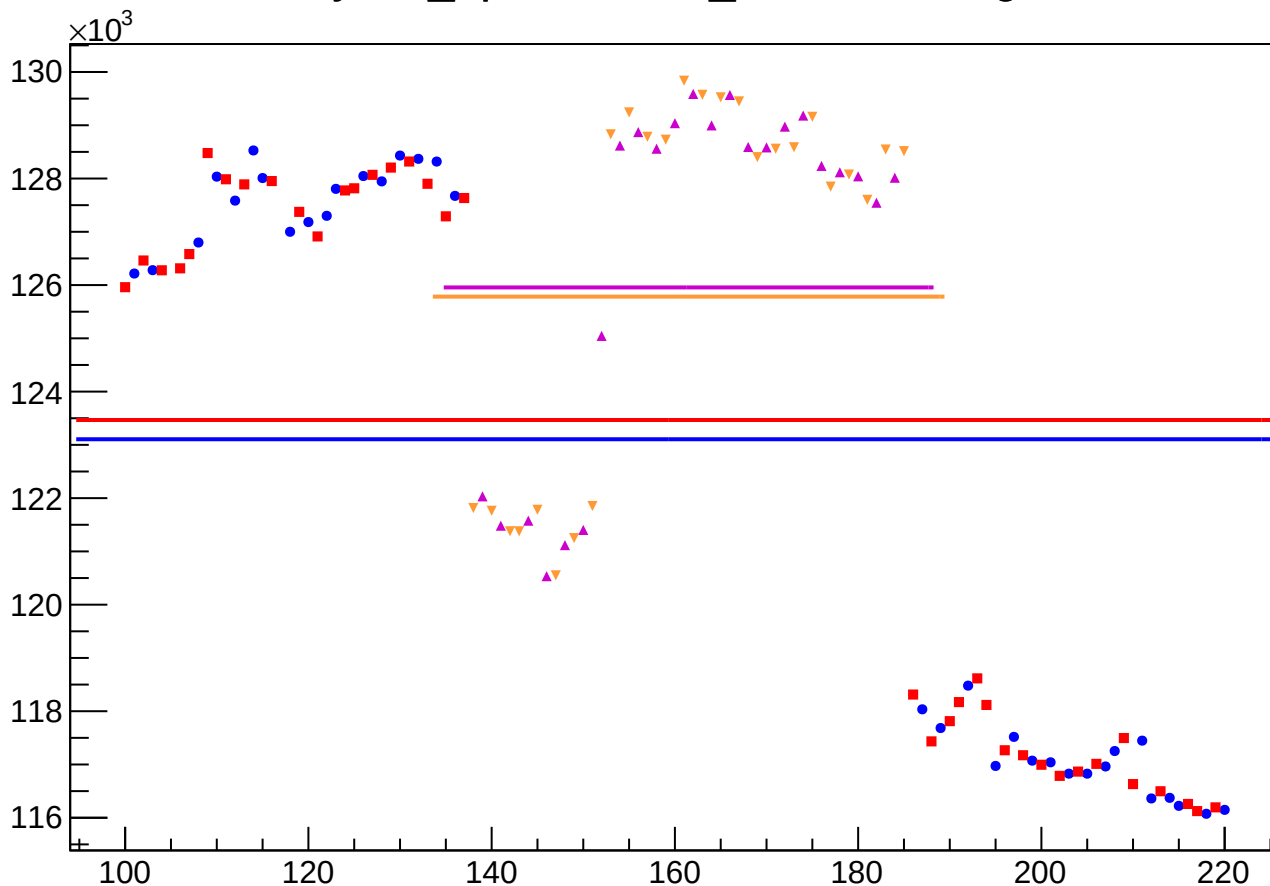
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 181.697 $\pm$ 0.022 χ^2 /NDF: 8140901.1/58

All: 179.624 $\pm$ 0.016 χ^2 /NDF: 16970145.0/1

- sign 177.590 $\pm$ 0.022 χ^2 /NDF: 8812330.9/59

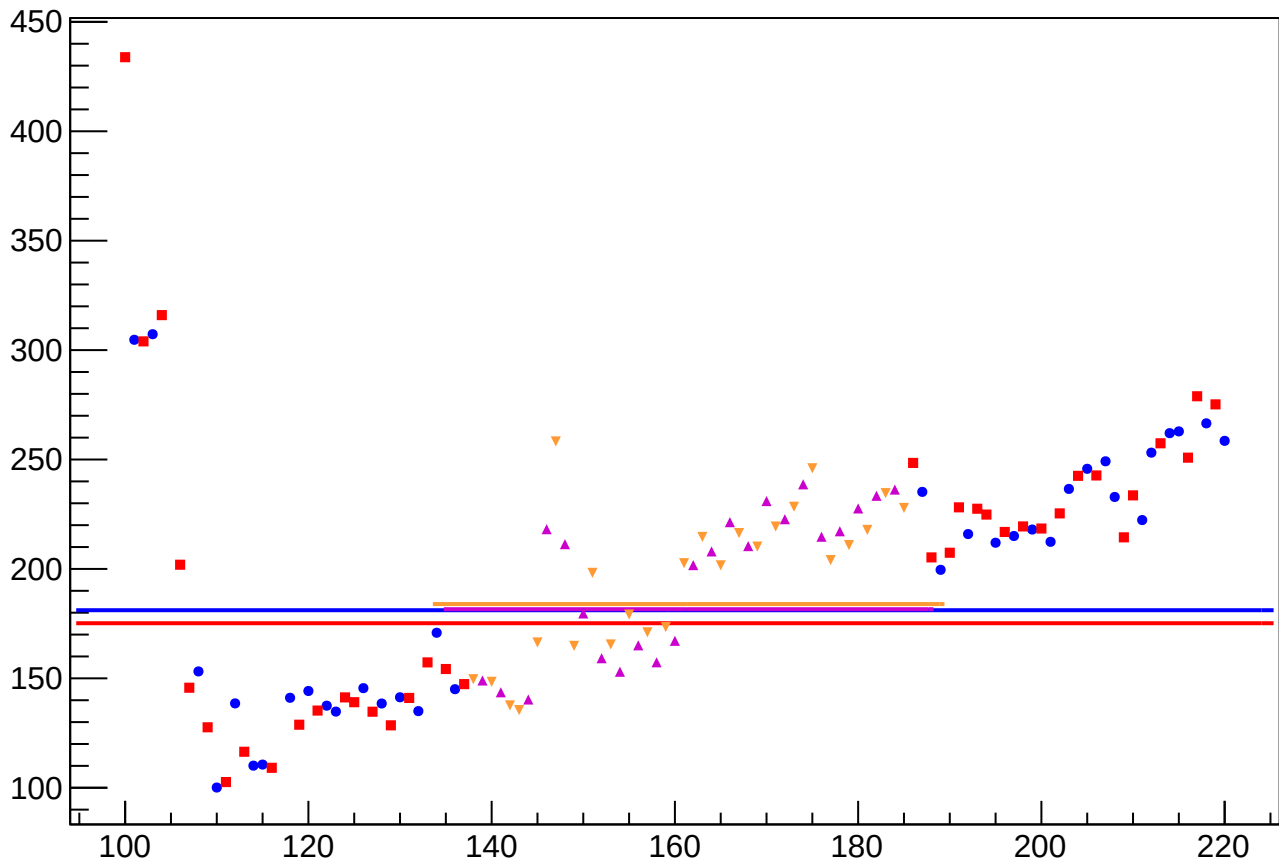
yield_bpm0l01WS_mean vs Slug



Right In: 123105.619 ± 0.044 $\chi^2/\text{NDF}: 14664445409.8/33$
 Left Out: 125782.764 ± 0.044 $\chi^2/\text{NDF}: 6729761889.8/24$
 Right Out: 123466.907 ± 0.042 $\chi^2/\text{NDF}: 15270202829.3/36$
 Left In: 125955.637 ± 0.045 $\chi^2/\text{NDF}: 5804088930.1/22$

+ sign 124439.686 ± 0.031 $\chi^2/\text{NDF}: 23251159964.4/24$
 All: 124537.847 ± 0.022 $\chi^2/\text{NDF}: 459841016.1/24$
 - sign 124633.589 ± 0.031 $\chi^2/\text{NDF}: 22713215276.1/24$

yield_bpm0l01WS_rms vs Slug



Right In: 181.131+/-0.031 χ^2/NDF : 3063210.5/33

Left Out: 183.947+/-0.031 χ^2/NDF :1123194.0/24

Right Out: 175.187+/-0.030 χ^2/NDF : 3558772.1/36

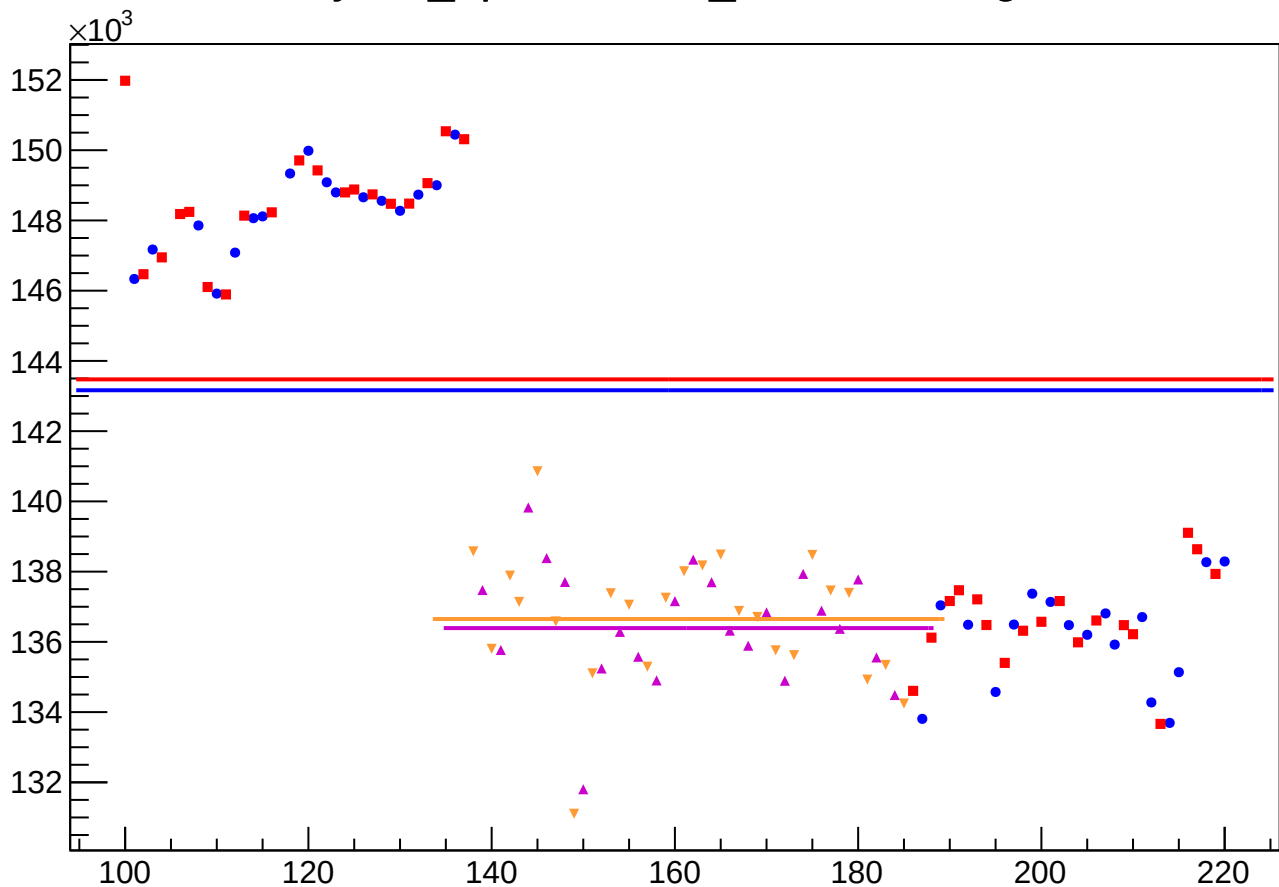
Left In: 181.596+/-0.032 χ^2/NDF :1103524.3/22

+ sign 182.534+/-0.022 χ^2/NDF : 4190511.4/58

All: 180.336+/-0.015 χ^2/NDF : 8894334.3/118

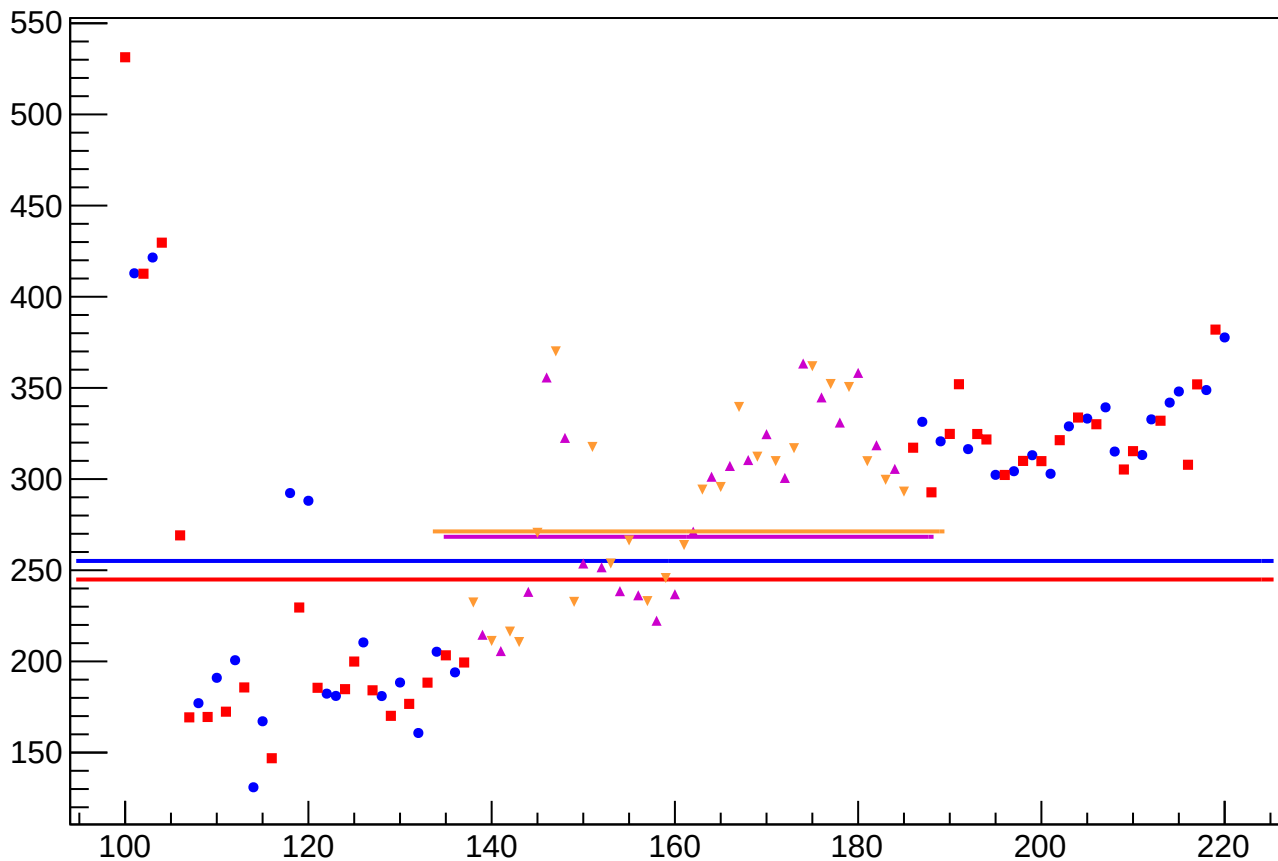
- sign 178.191+/-0.022 χ^2/NDF : 4684031.5/59

yield_bpm0l02WS_mean vs Slug



Right In: 143164.491+/-0.062	χ^2/NDF : 10115876208.8/33	+ sign 140058.204+/-0.045	χ^2/NDF : 16360408185.
Left Out: 136650.935+/-0.065	χ^2/NDF : 930649595.5/24	All: 140204.665+/-0.031	χ^2/NDF : 336781888
Right Out: 143474.234+/-0.059	χ^2/NDF : 10160020445.9/36	- sign 140346.010+/-0.044	χ^2/NDF : 17296617200.9
Left In: 136392.188+/-0.066	χ^2/NDF : 701986841.4/22		

yield_bpm0l02WS_rms vs Slug



Right In: 255.096 $\pm$ 0.044 χ^2 /NDF: 3025252.9/33

Left Out: 271.295 $\pm$ 0.046 χ^2 /NDF:1064485.7/24

Right Out: 244.919 $\pm$ 0.041 χ^2 /NDF: 3269637.2/36

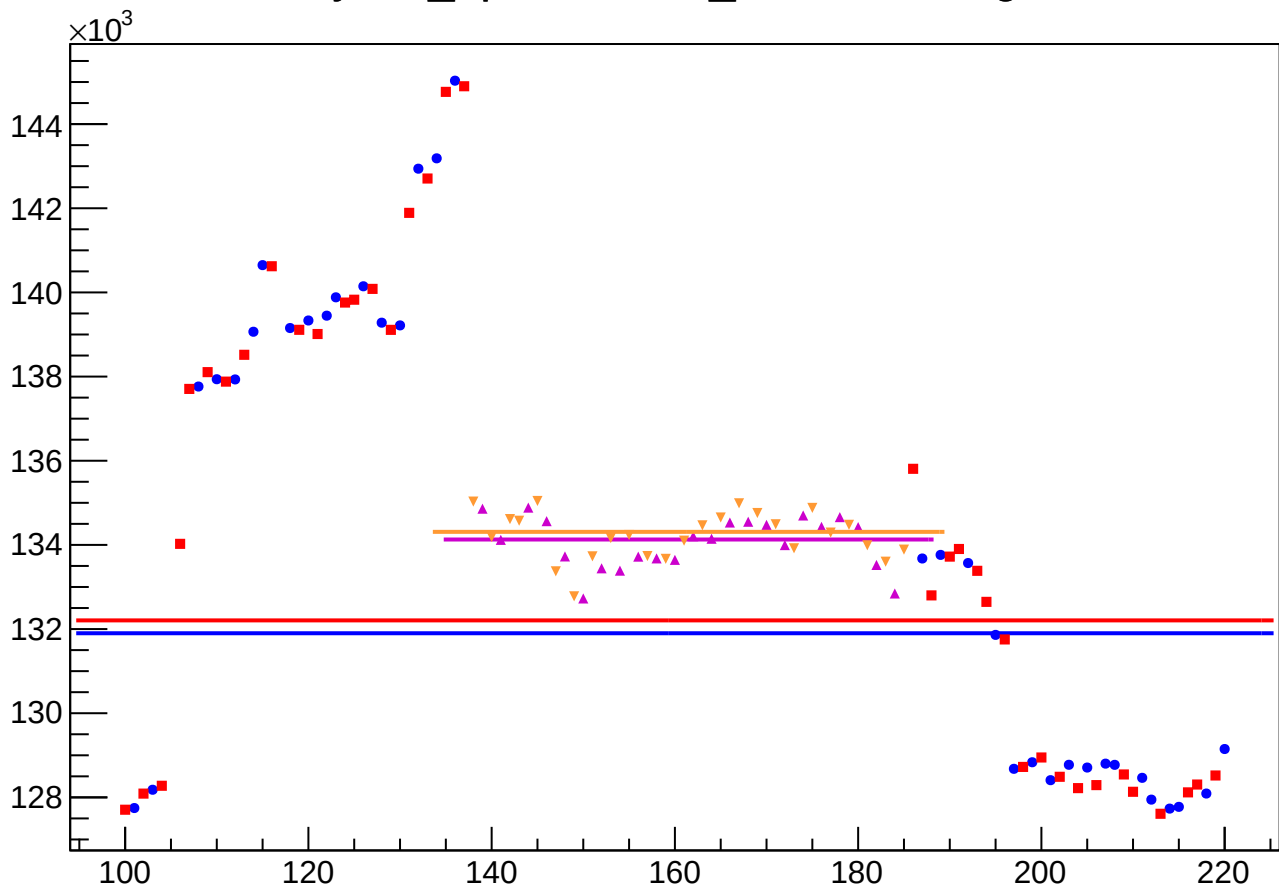
Left In: 268.344 $\pm$ 0.047 χ^2 /NDF:1077364.0/22

+ sign 262.821 $\pm$ 0.032 χ^2 /NDF: 4155475.8/58

All: 258.976 $\pm$ 0.022 χ^2 /NDF: 8672432.9/118

- sign 255.266 $\pm$ 0.031 χ^2 /NDF: 4487789.8/59

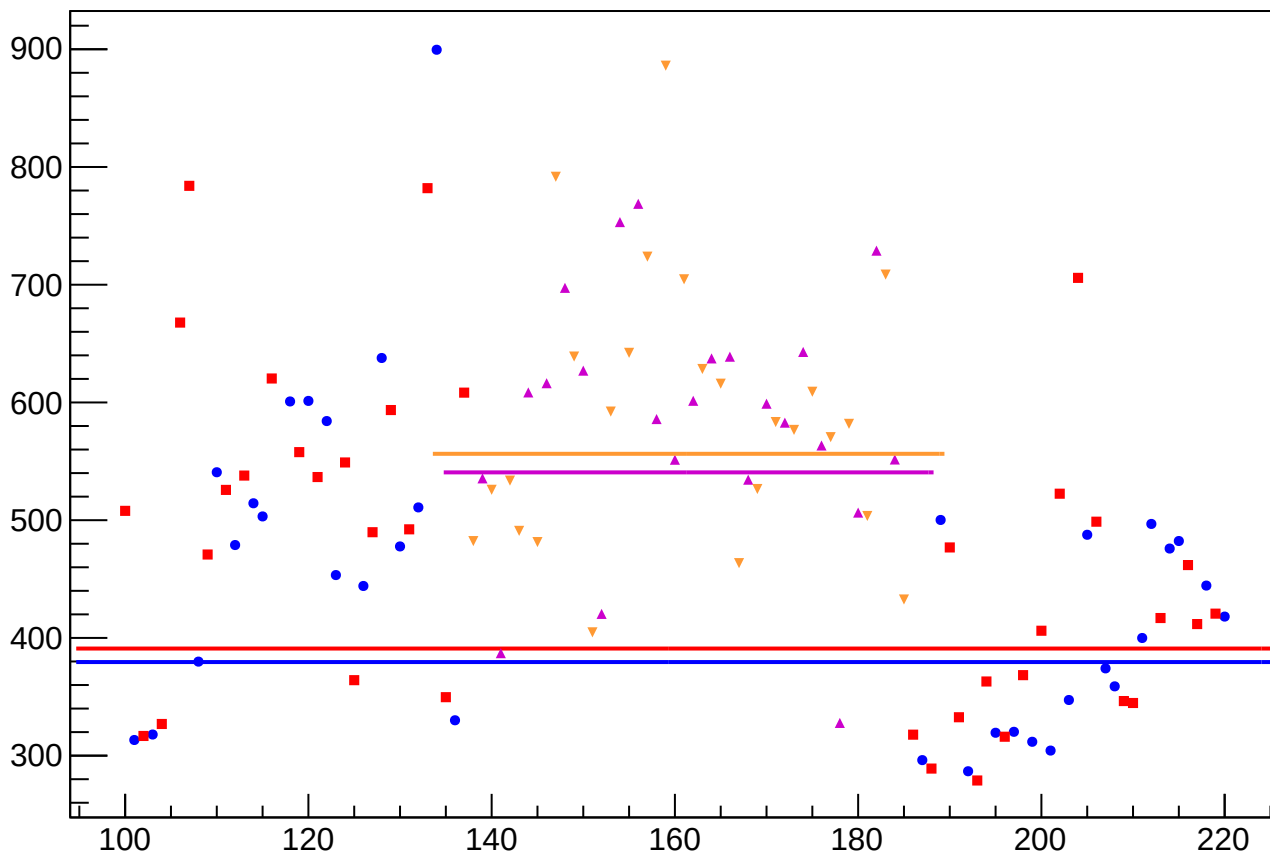
yield_bpm0l03WS_mean vs Slug



Right In: 131900.610 ± 0.099 $\chi^2/\text{NDF}: 2867767491.9/33$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 132206.126 ± 0.101 $\chi^2/\text{NDF}: 2109145899.7/36$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 132709.740 ± 0.080 $\chi^2/\text{NDF}: 3084176114.7$
 All: 132779.449 ± 0.057 $\chi^2/\text{NDF}: 53319933$
 - sign 132852.798 ± 0.082 $\chi^2/\text{NDF}: 2246270299.9$

yield_bpm0l03WS_rms vs Slug



Right In: 379.502 ± 0.070 $\chi^2/\text{NDF}: 1583792.7/33$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 390.981 ± 0.071 $\chi^2/\text{NDF}: 1978262.2/36$

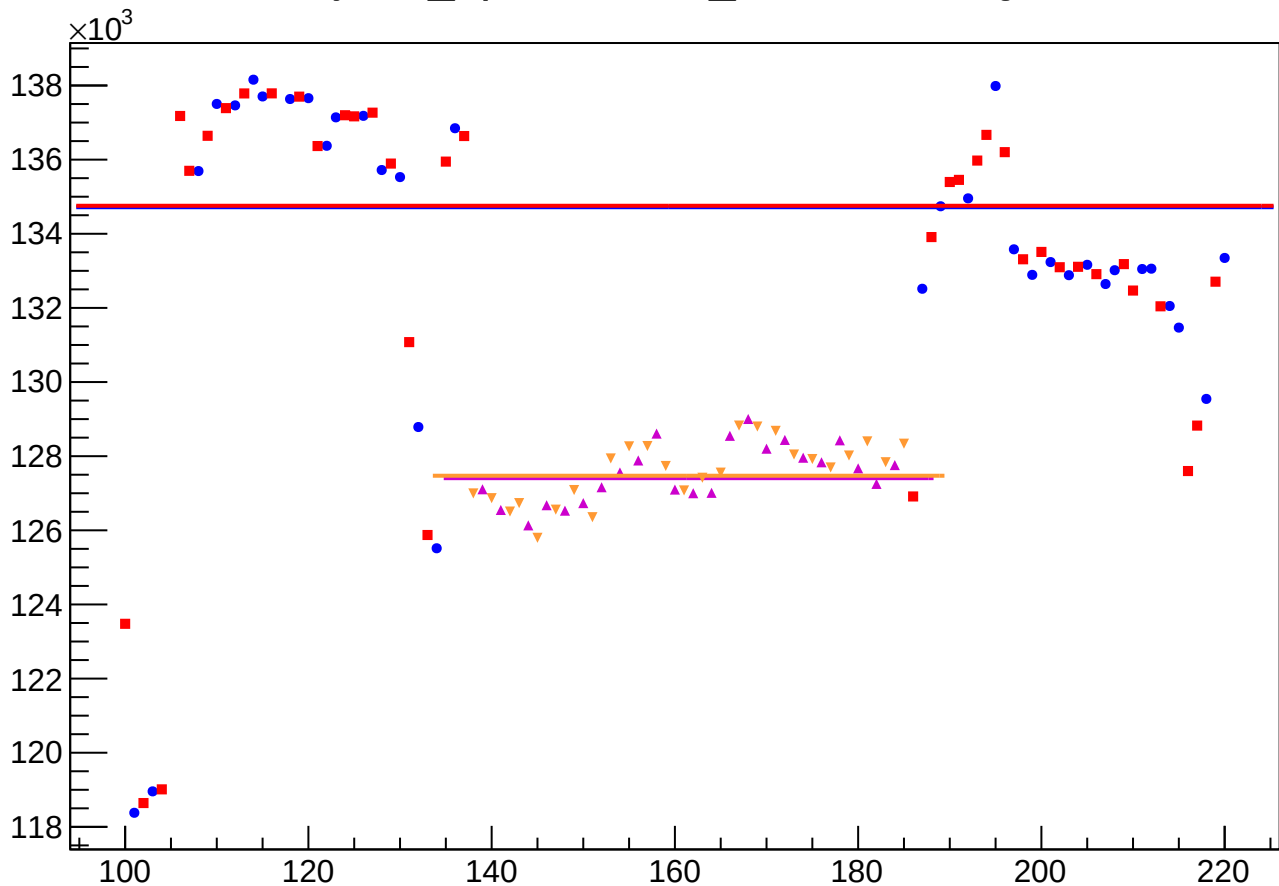
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 438.896 ± 0.057 $\chi^2/\text{NDF}: 4750752.2/58$

All: 440.079 ± 0.041 $\chi^2/\text{NDF}: 9612645.4/118$

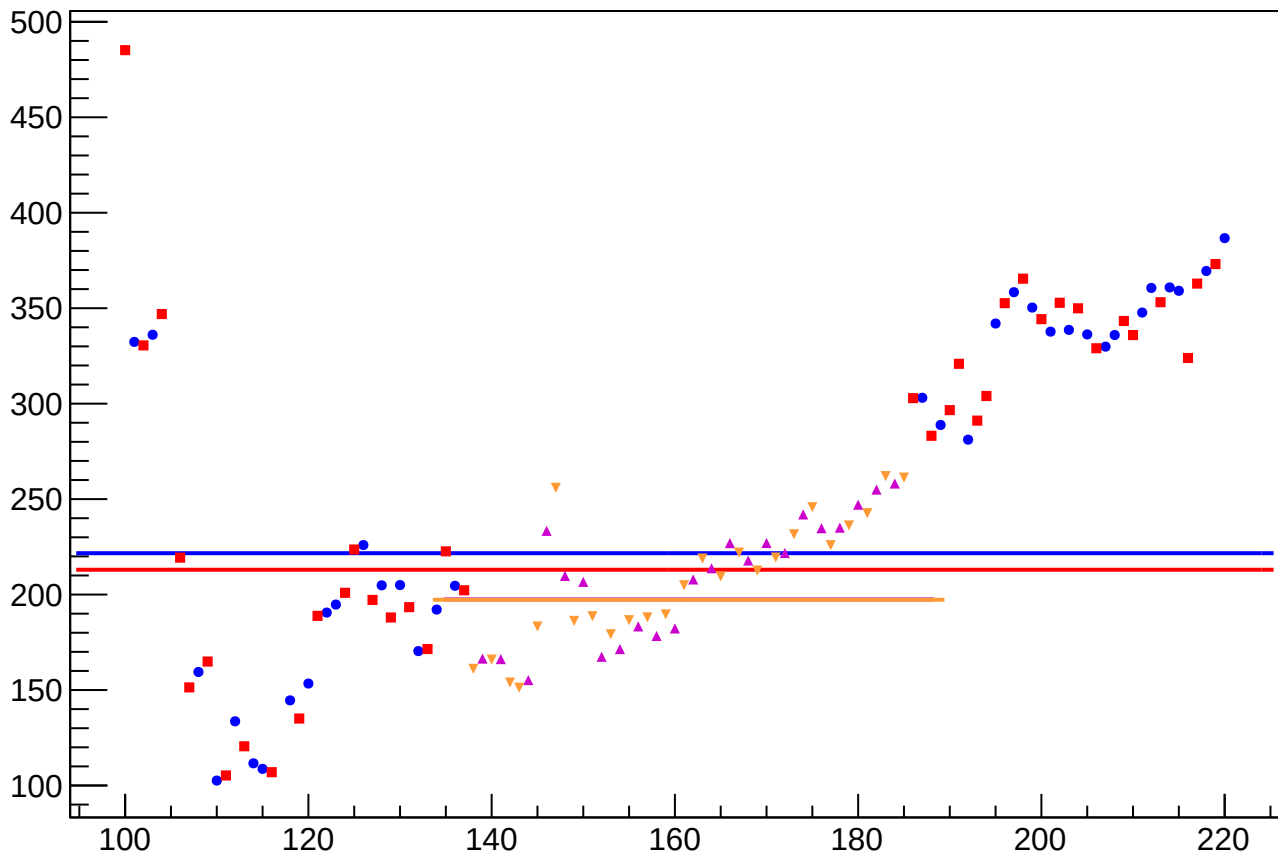
- sign 441.323 ± 0.058 $\chi^2/\text{NDF}: 4861003.3/59$

yield_bpm0l04WS_mean vs Slug



Right In: 134716.546 ± 0.056 $\chi^2/\text{NDF}: 5186333068.9/33$ $+ \text{sign } 130459.185 \pm 0.036$ $\chi^2/\text{NDF}: 15344549303.0$
 Left Out: 127472.525 ± 0.047 $\chi^2/\text{NDF}: 303609315.6/24$ All: 130595.262 ± 0.025 $\chi^2/\text{NDF}: 319866999.0$
 Right Out: 134755.591 ± 0.053 $\chi^2/\text{NDF}: 5901952812.3/36$ $- \text{sign } 130730.379 \pm 0.036$ $\chi^2/\text{NDF}: 16613549760.9$
 Left In: 127406.911 ± 0.048 $\chi^2/\text{NDF}: 269927988.0/22$

yield_bpm0l04WS_rms vs Slug



Right In: 221.674 ± 0.040 χ^2/NDF : 5668311.6/33

Left Out: 197.289 ± 0.033 χ^2/NDF : 852024.1/24

Right Out: 213.008 ± 0.038 χ^2/NDF : 6025719.6/36

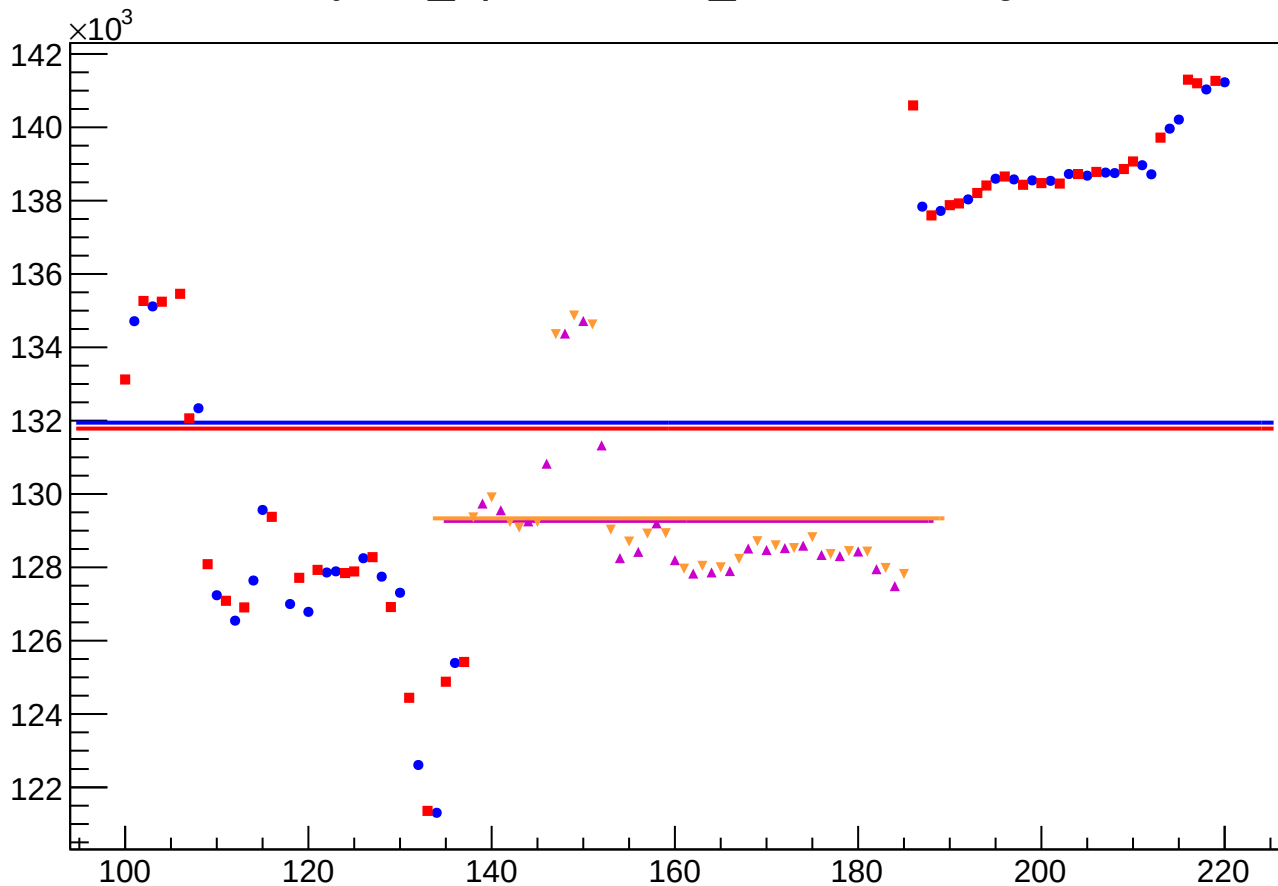
Left In: 197.471 ± 0.034 χ^2/NDF : 791577.5/22

+ sign 207.343 ± 0.025 χ^2/NDF : 6743670.6/58

All: 205.915 ± 0.018 χ^2/NDF : 13660618.7/11

- sign 204.498 ± 0.025 χ^2/NDF : 6910651.9/59

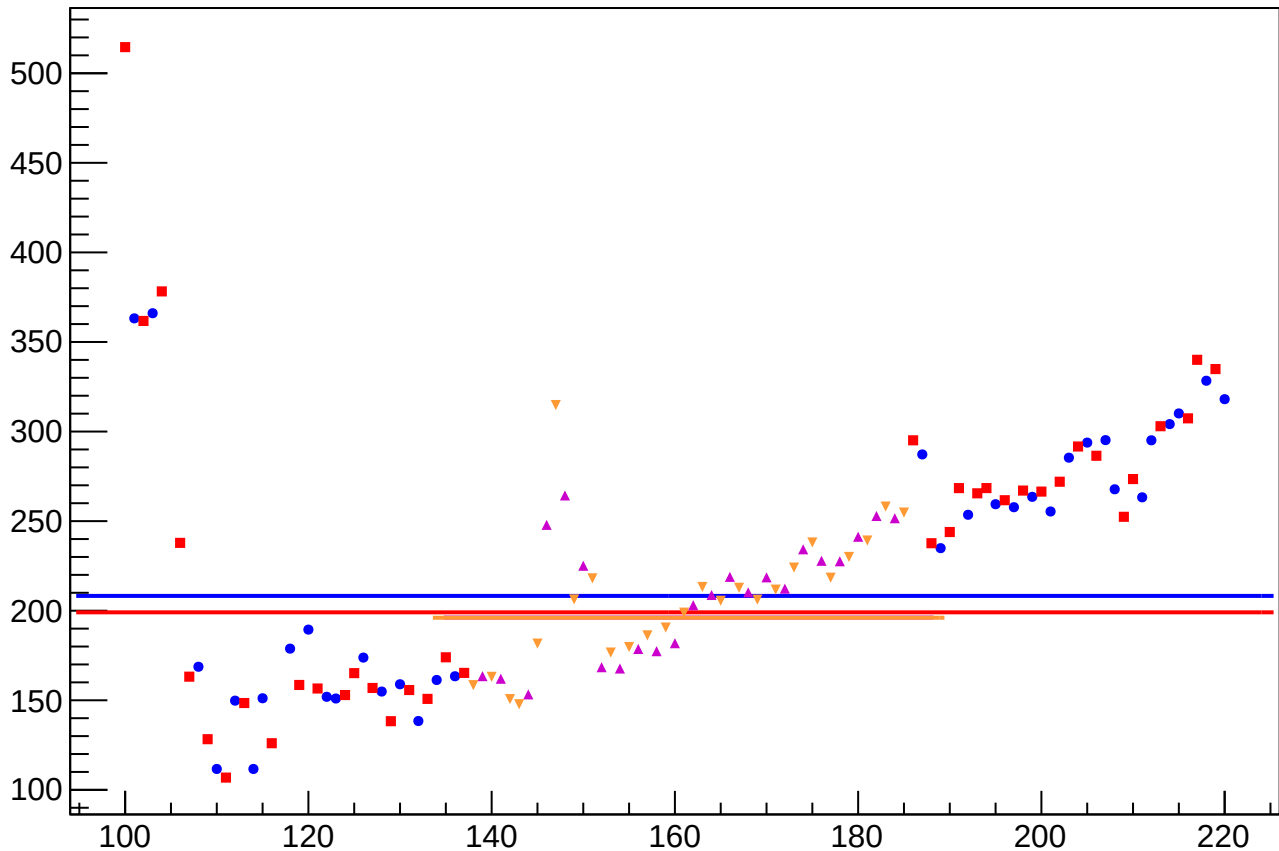
yield_bpm0l05WS_mean vs Slug



Right In: 131946.114 ± 0.051 $\chi^2/\text{NDF}: 14867804136.2/33$
 Left Out: 129335.946 ± 0.047 $\chi^2/\text{NDF}: 1450933621.0/24$
 Right Out: 131784.076 ± 0.049 $\chi^2/\text{NDF}: 15446406356.5/36$
 Left In: 129266.909 ± 0.048 $\chi^2/\text{NDF}: 1213762773.1/22$

+ sign 130526.846 ± 0.034 $\chi^2/\text{NDF}: 17742400748.$
 All: 130521.257 ± 0.024 $\chi^2/\text{NDF}: 357582704$
 - sign 130515.757 ± 0.034 $\chi^2/\text{NDF}: 18015817497.1$

yield_bpm0l05WS_rms vs Slug



Right In: 208.262 $\pm$ 0.036 χ^2 /NDF: 3644280.3/33

Left Out: 196.077 $\pm$ 0.033 χ^2 /NDF: 975710.9/24

Right Out: 199.091 $\pm$ 0.034 χ^2 /NDF: 4337355.3/36

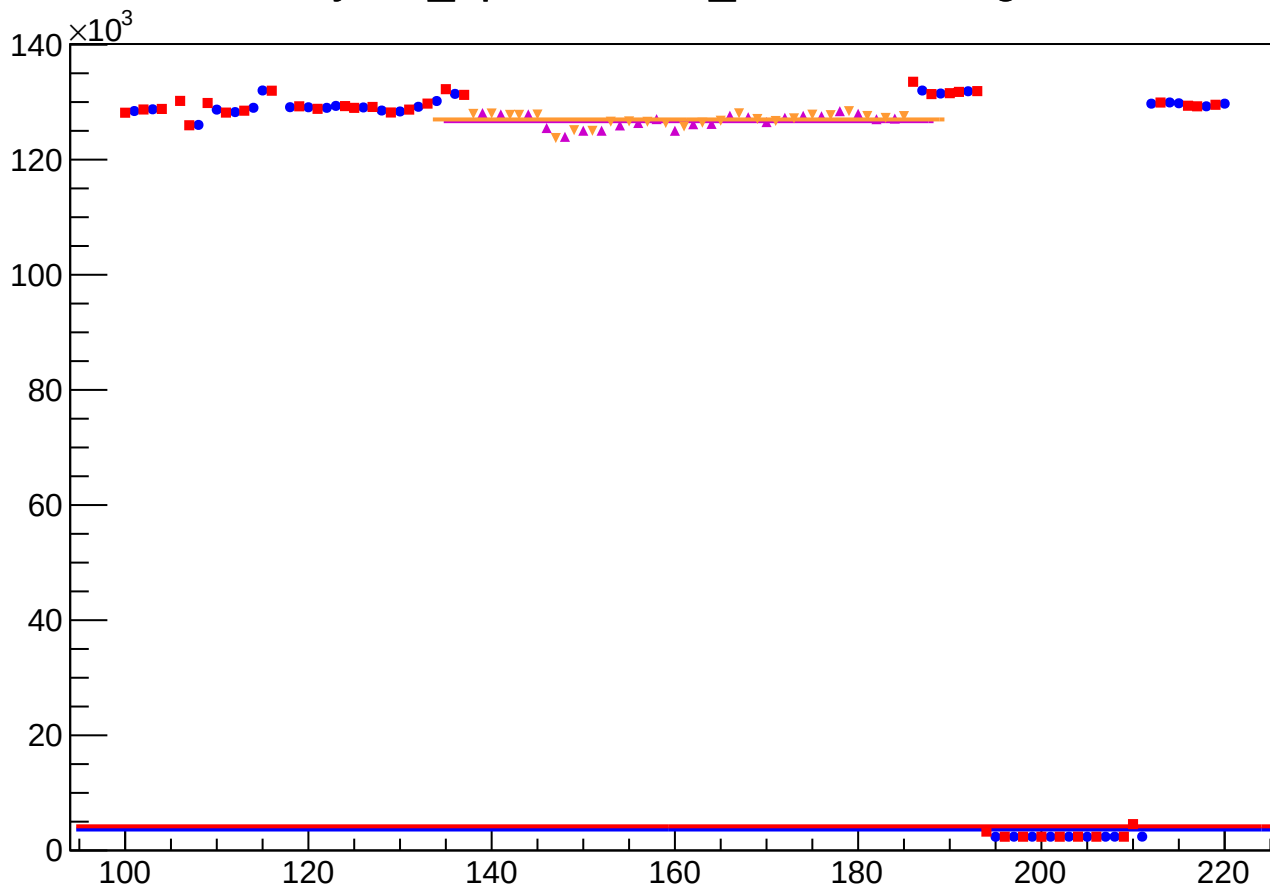
Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

+ sign 201.636 $\pm$ 0.024 χ^2 /NDF: 4682036.1/58

All: 199.616 $\pm$ 0.017 χ^2 /NDF: 9934707.9/118

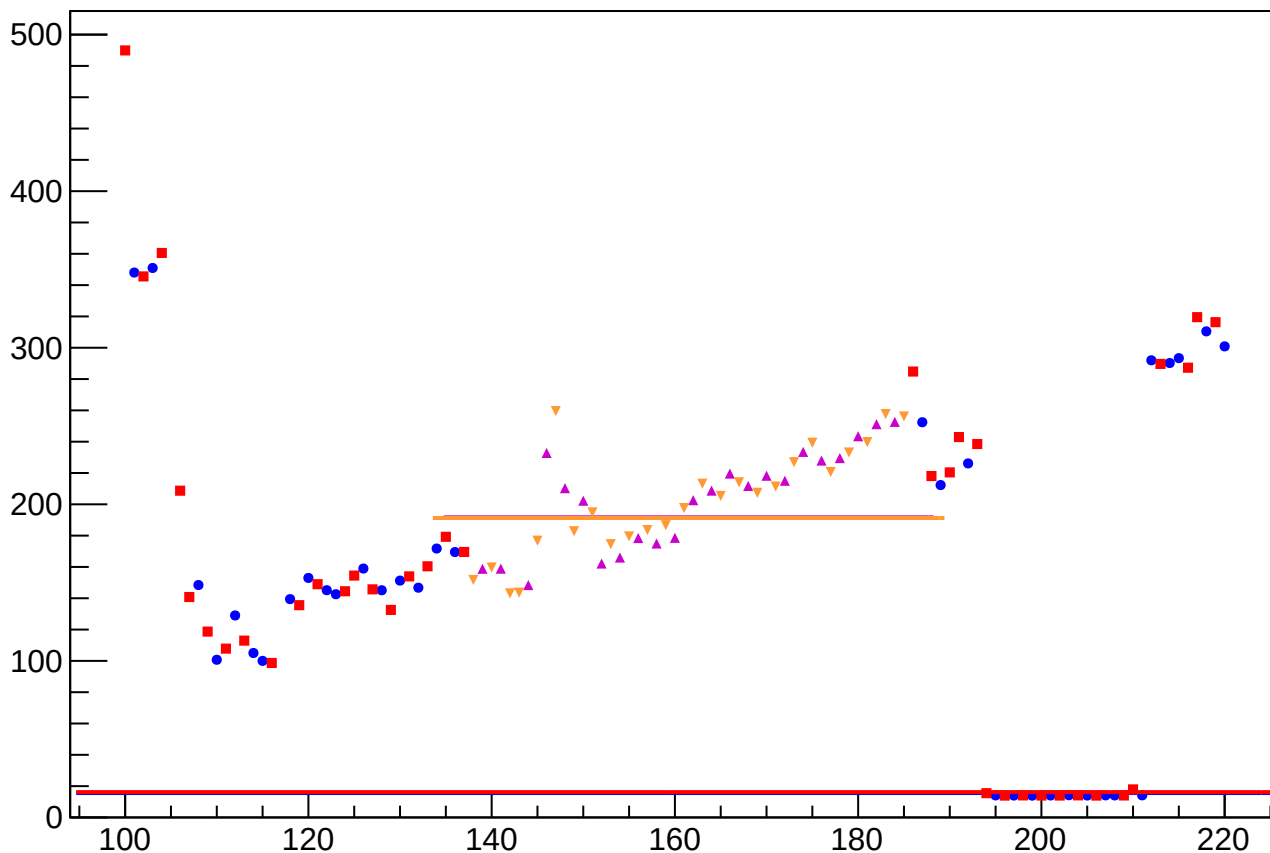
- sign 197.627 $\pm$ 0.024 χ^2 /NDF: 5239023.3/59

yield_bpm0l06WS_mean vs Slug



Right In: 3637.208+/-0.005 χ^2/NDF : 5555957865486.7/33
 Left Out: 126981.724+/-0.046 χ^2/NDF : 530573115.8/24
 Right Out: 4191.175+/-0.006 χ^2/NDF : 6318132932848.7/36
 Left In: 126682.659+/-0.047 χ^2/NDF : 660415880.0/22

yield_bpm0l06WS_rms vs Slug



Right In: 15.603 ± 0.004 $\chi^2/\text{NDF}: 19965746.6/33$

Left Out: 191.263 ± 0.032 $\chi^2/\text{NDF}: 992566.2/24$

Right Out: 16.193 ± 0.004 $\chi^2/\text{NDF}: 20906074.0/36$

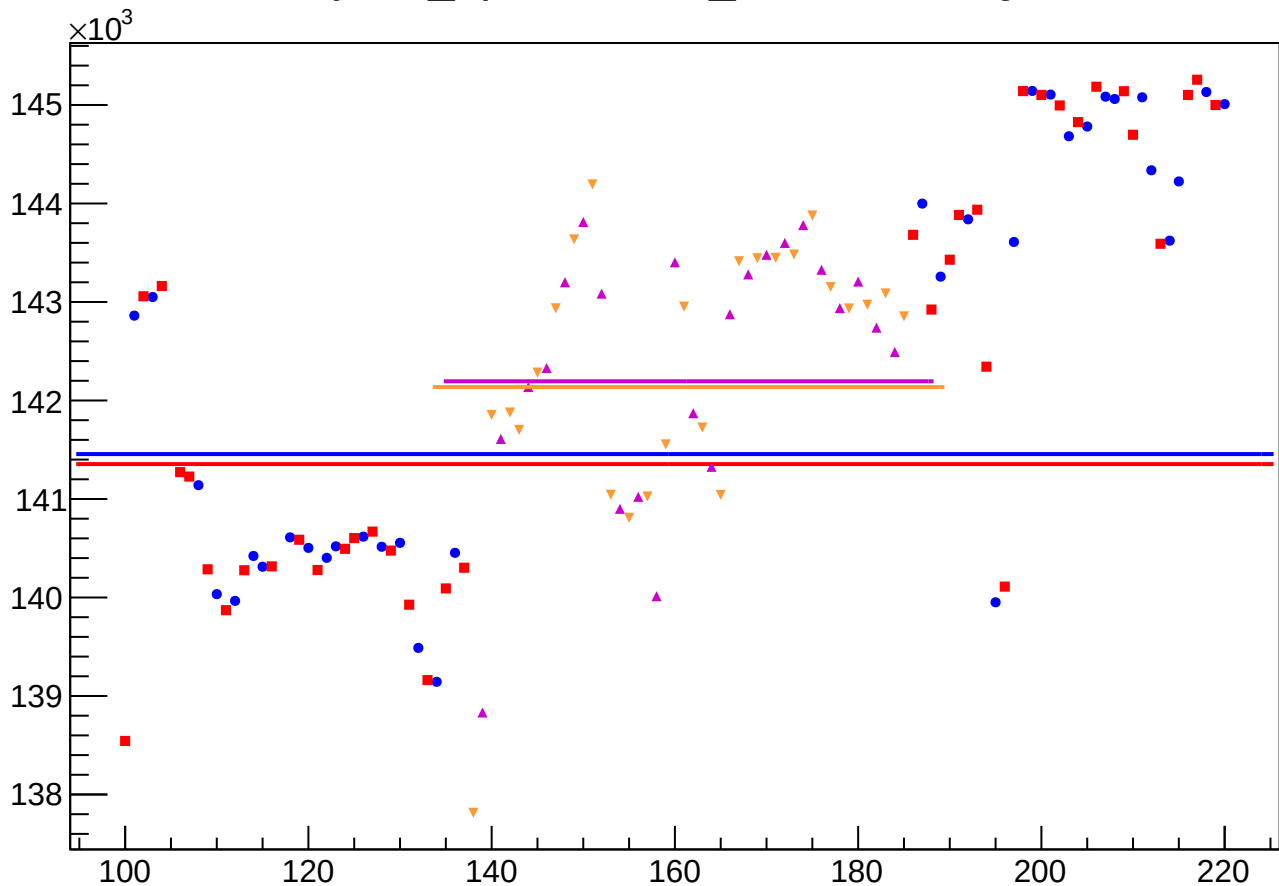
Left In: 191.683 ± 0.033 $\chi^2/\text{NDF}: 864384.9/22$

+ sign 17.961 ± 0.004 $\chi^2/\text{NDF}: 50338473.2/58$

All: 18.371 ± 0.003 $\chi^2/\text{NDF}: 99602108.8/118$

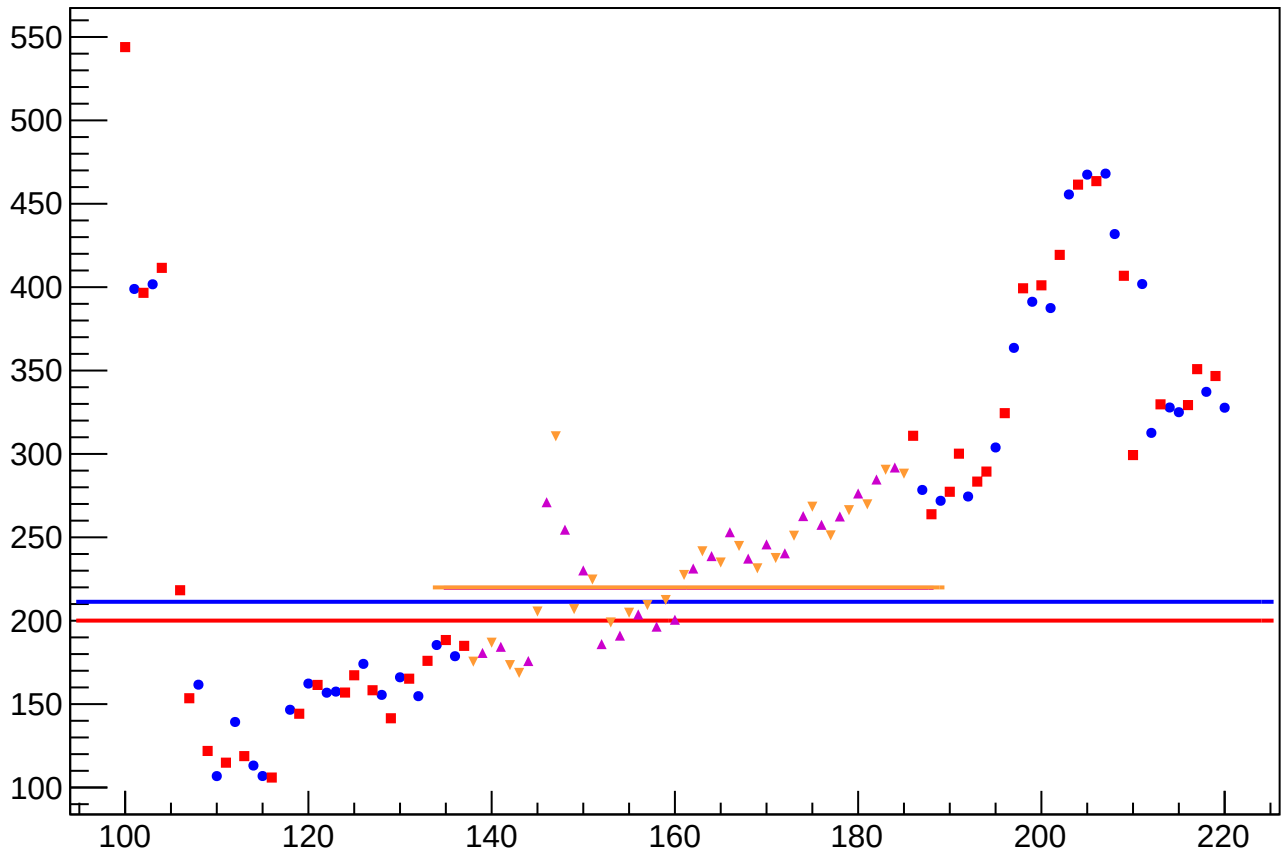
- sign 18.867 ± 0.004 $\chi^2/\text{NDF}: 49236927.6/59$

yield_bpm0l07WS_mean vs Slug



Right In: 141455.871 ± 0.054	$\chi^2/\text{NDF}: 1204597892.9/33$	+ sign 141808.476 ± 0.038	$\chi^2/\text{NDF}: 2101744271.5$
Left Out: 142136.579 ± 0.052	$\chi^2/\text{NDF}: 815573343.0/24$	All: 141778.911 ± 0.026	$\chi^2/\text{NDF}: 414792979$
Right Out: 141354.339 ± 0.051	$\chi^2/\text{NDF}: 1272110316.7/36$	- sign 141750.418 ± 0.037	$\chi^2/\text{NDF}: 2044975259.6$
Left In: 142195.020 ± 0.054	$\chi^2/\text{NDF}: 644030906.9/22$		

yield_bpm0l07WS_rms vs Slug



Right In: 211.350+/-0.038 χ^2/NDF : 6844845.2/33

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 200.072+/-0.036 χ^2/NDF : 7256394.3/36

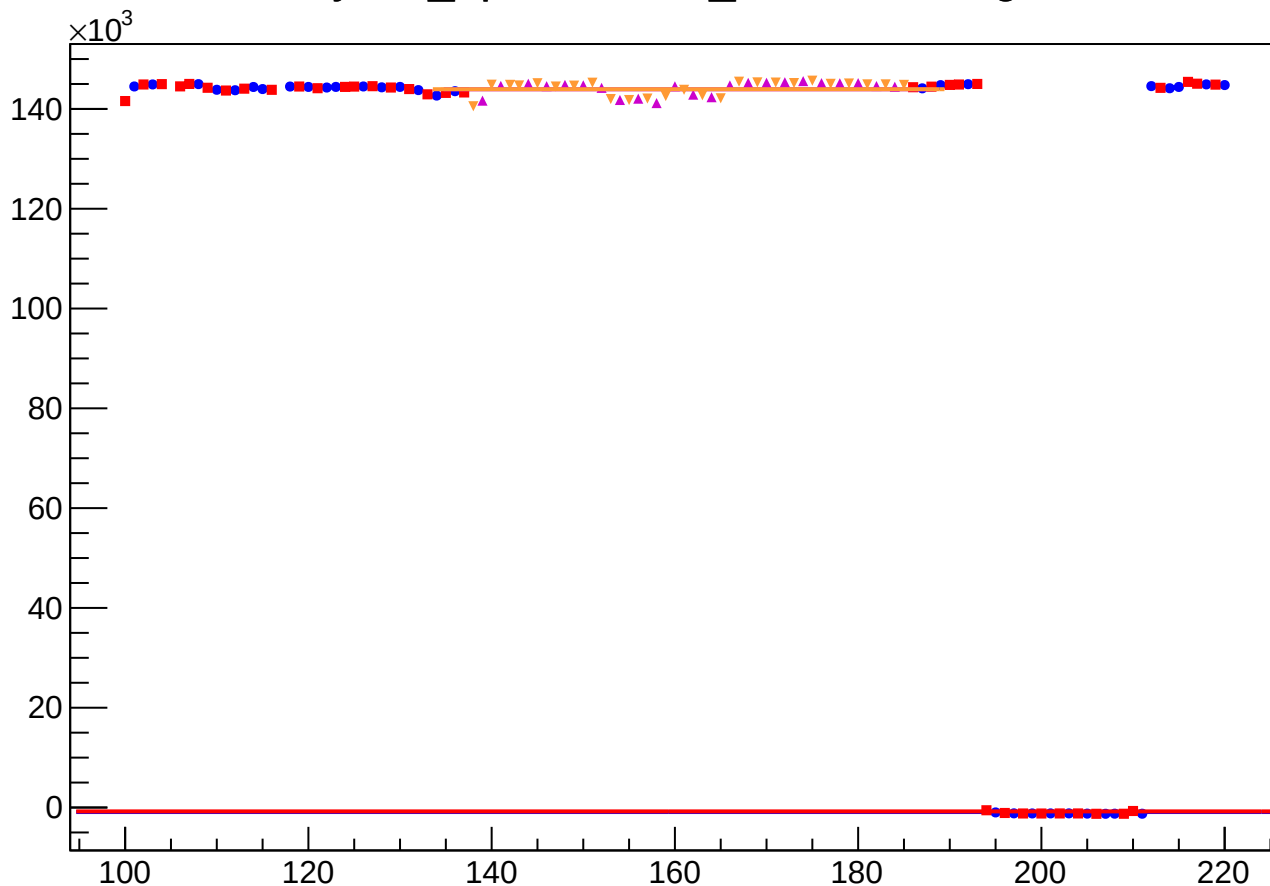
Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

+ sign 215.815+/-0.027 χ^2/NDF : 7737619.9/58

All: 212.503+/-0.019 χ^2/NDF : 15977364.8/11

- sign 209.312+/-0.026 χ^2/NDF : 8209382.2/59

yield_bpm0l08WS_mean vs Slug



Right In: -905.588 ± 0.003 χ^2/NDF : 6033886206757.5/33

Left Out: 143951.284 ± 0.052 χ^2/NDF : 864679545.2/24

Right Out: -776.371 ± 0.003 χ^2/NDF : 6957198955886.6/36

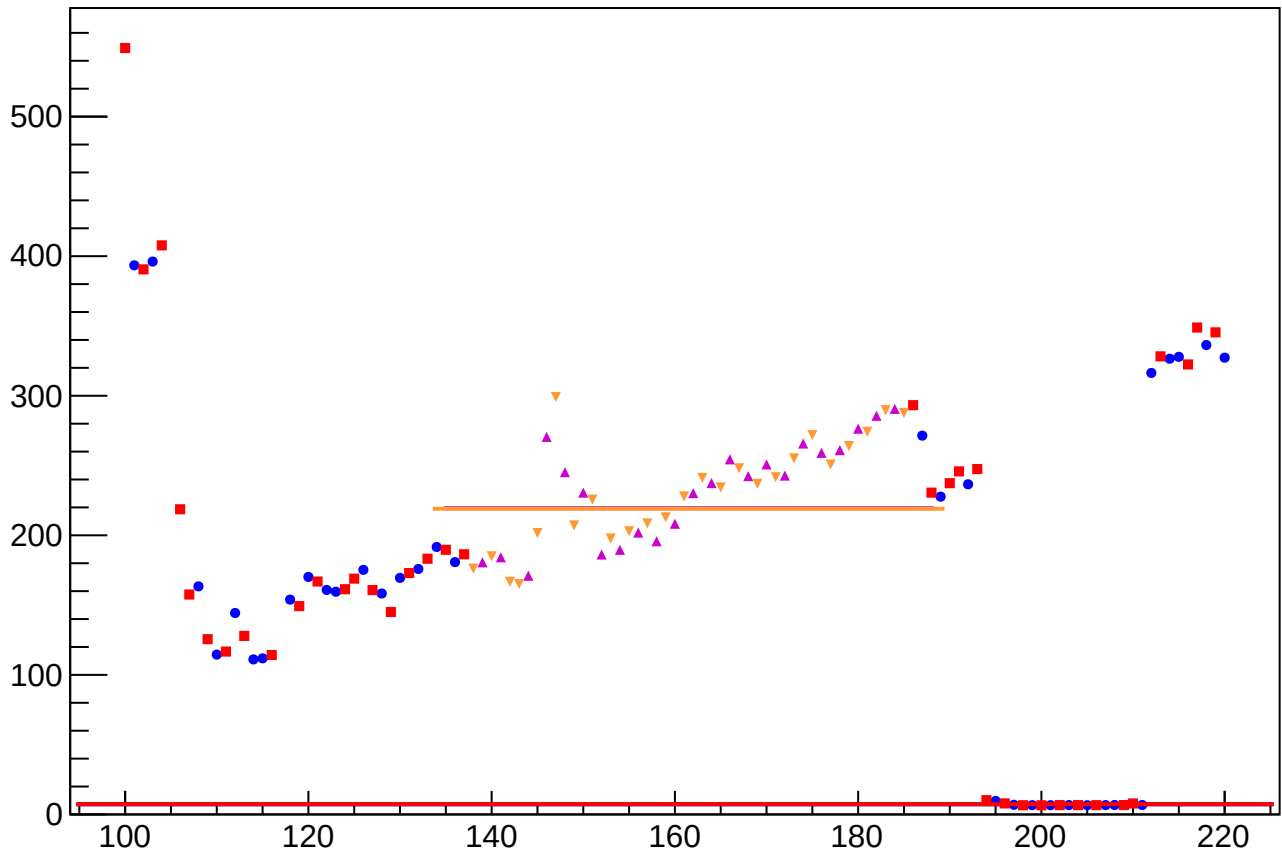
Left In: 143938.288 ± 0.054 χ^2/NDF : 719814685.6/22

+ sign -536.316 ± 0.003 χ^2/NDF : 13734909090796

All: -456.123 ± 0.002 χ^2/NDF : 27898360230

- sign -359.472 ± 0.003 χ^2/NDF : 14161404469940

yield_bpm0l08WS_rms vs Slug



Right In: 7.269 ± 0.002 χ^2/NDF : 22018135.0/33

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 7.375 ± 0.002 χ^2/NDF : 23134895.2/36

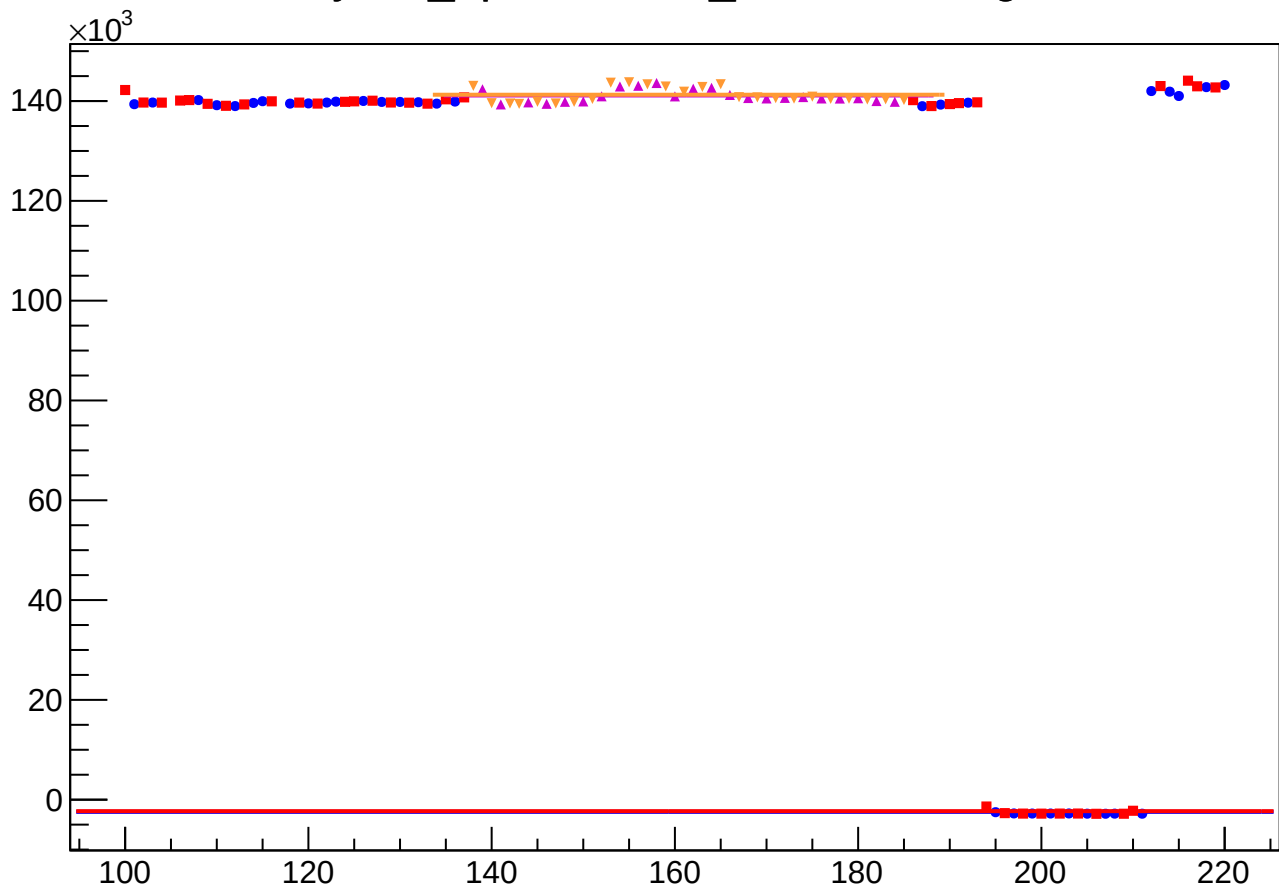
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 7.809 ± 0.002 χ^2/NDF : 55869866.8/58

All: 7.889 ± 0.001 χ^2/NDF : 110792436.5/118

- sign 7.985 ± 0.002 χ^2/NDF : 54918486.3/59

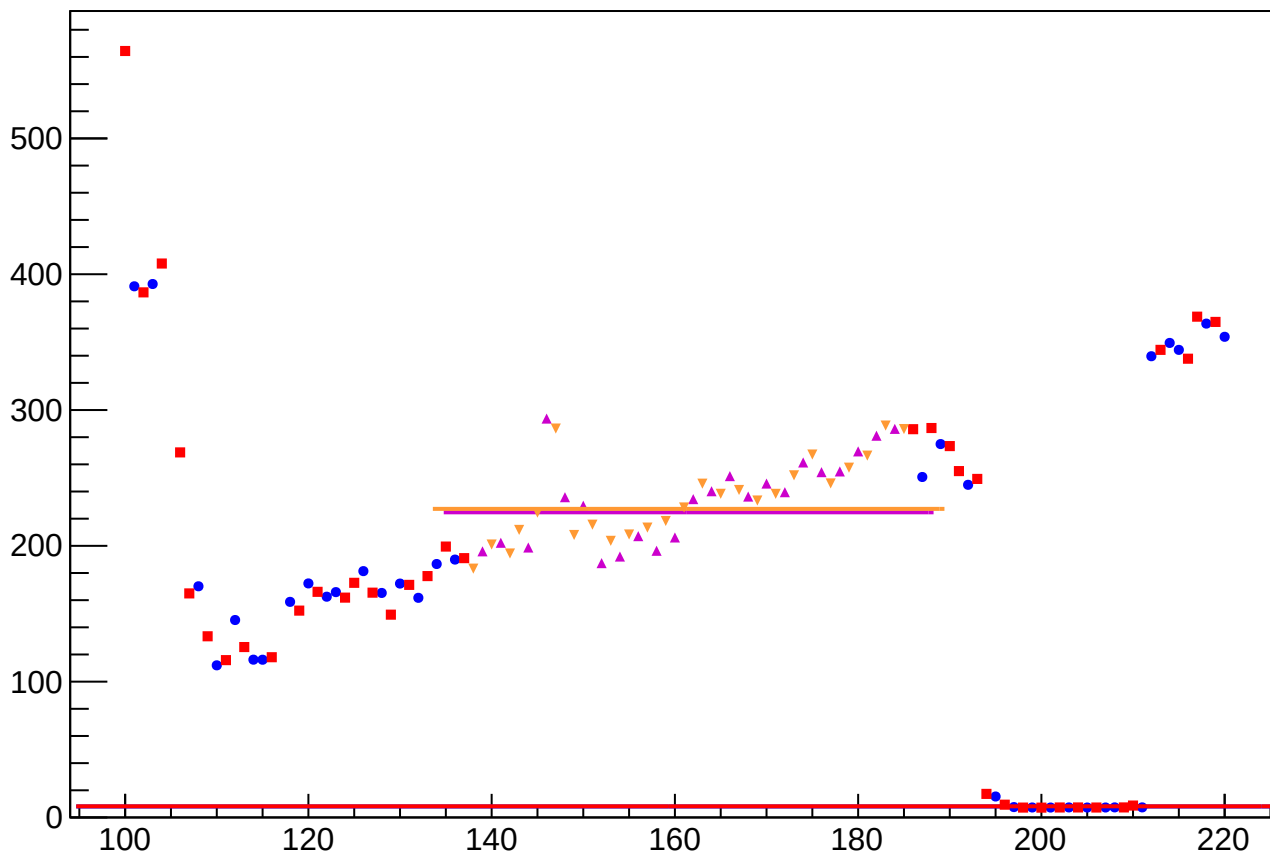
yield_bpm0l09WS_mean vs Slug



Right In: -2443.782 ± 0.003 χ^2/NDF : 5498698984625.3/33
 Left Out: 141268.791 ± 0.054 χ^2/NDF : 795989244.2/24
 Right Out: -2300.665 ± 0.003 χ^2/NDF : 6290187735953.1/36
 Left In: 141119.484 ± 0.055 χ^2/NDF : 565312728.1/22

+ sign -2011.531 ± 0.003 χ^2/NDF : 1264033443010
 All: -1917.138 ± 0.002 χ^2/NDF : 2573055401
 - sign -1803.325 ± 0.003 χ^2/NDF : 1308795357853

yield_bpm0l09WS_rms vs Slug



Right In: 8.071 ± 0.002 χ^2/NDF : 22152857.2/33

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 8.208 ± 0.002 χ^2/NDF : 23156399.9/36

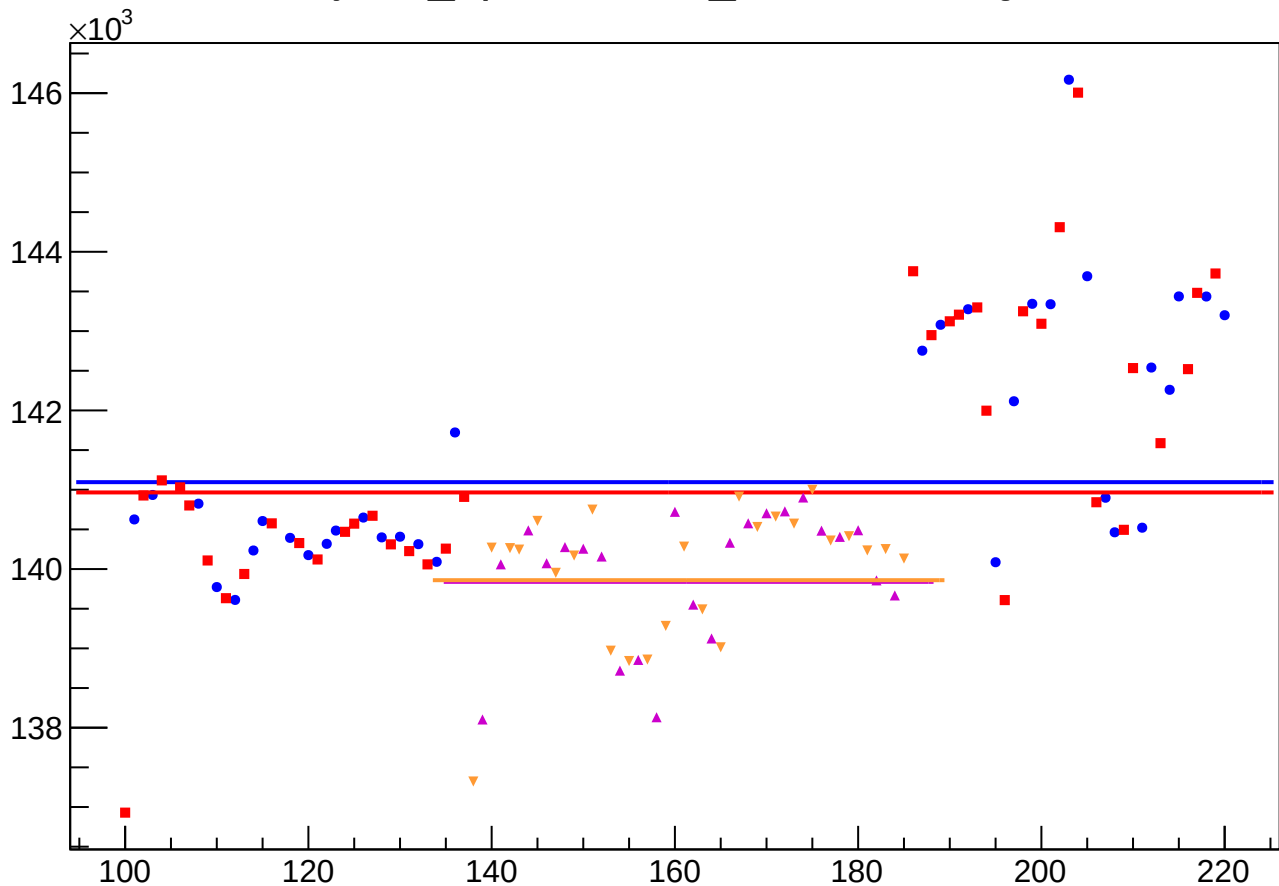
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 8.730 ± 0.002 χ^2/NDF : 55849050.5/58

All: 8.834 ± 0.002 χ^2/NDF : 110561209.9/118

- sign 8.959 ± 0.002 χ^2/NDF : 54706687.6/59

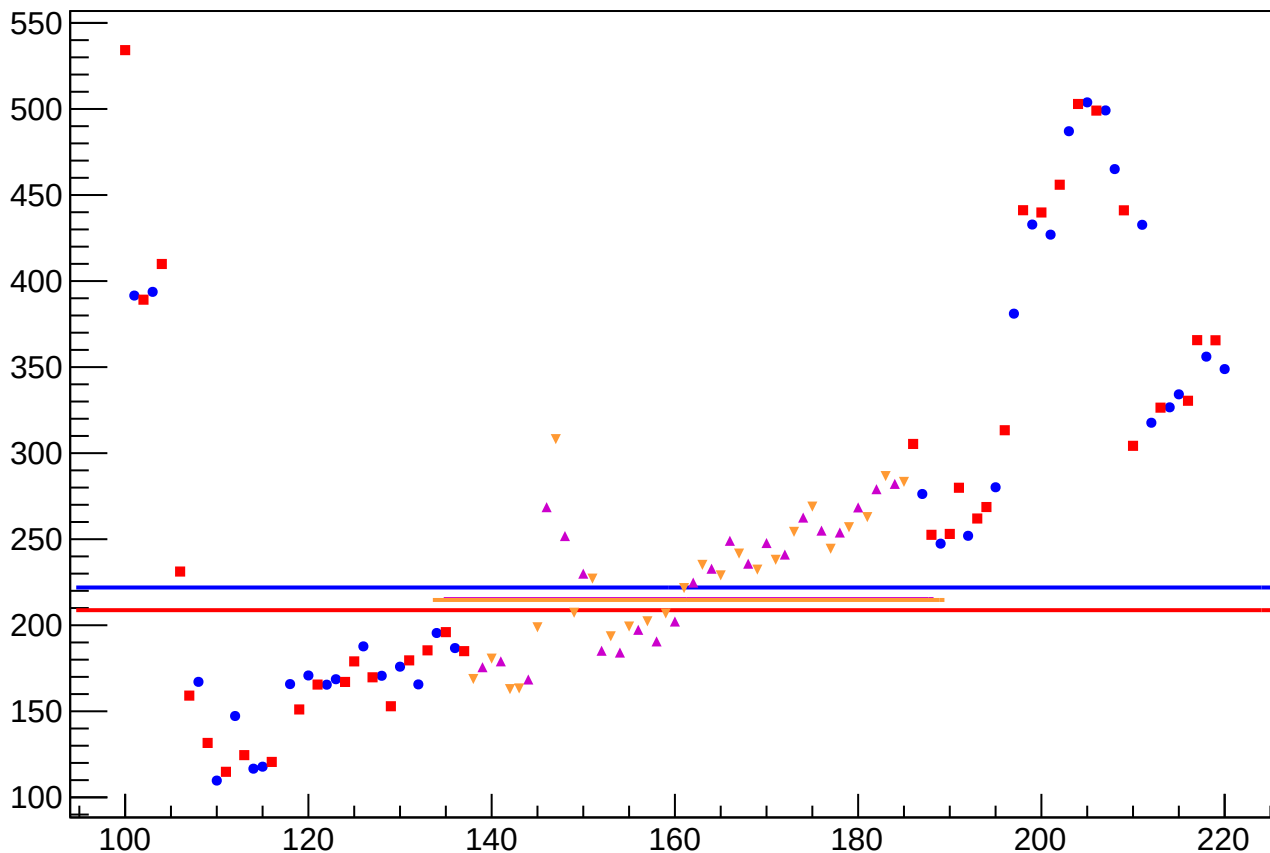
yield_bpm0l10WS_mean vs Slug



Right In: 141095.703 ± 0.057 $\chi^2/\text{NDF}: 561855126.5/33$
 Left Out: 139859.696 ± 0.051 $\chi^2/\text{NDF}: 330118281.5/24$
 Right Out: 140966.034 ± 0.053 $\chi^2/\text{NDF}: 631320388.6/36$
 Left In: 139838.724 ± 0.053 $\chi^2/\text{NDF}: 279573689.3/22$

+ sign 140412.917 ± 0.038 $\chi^2/\text{NDF}: 1153869524.6$
 All: 140407.809 ± 0.027 $\chi^2/\text{NDF}: 22929355$
 - sign 140402.877 ± 0.037 $\chi^2/\text{NDF}: 1139030432.3/$

yield_bpm0l10WS_rms vs Slug



Right In: 221.941 $\pm$ 0.040 χ^2 /NDF: 6539014.5/33

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 208.764 $\pm$ 0.037 χ^2 /NDF: 6839937.7/36

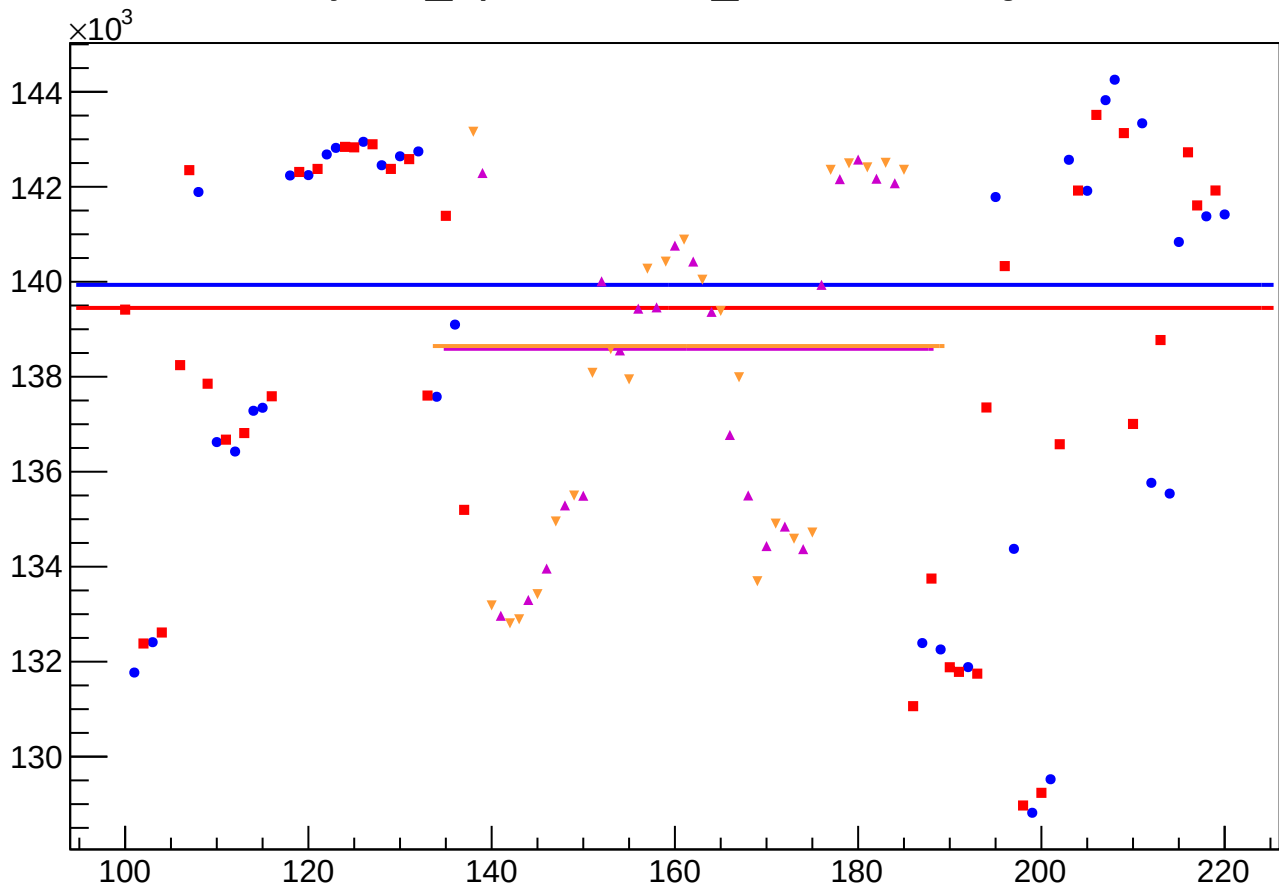
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 217.937 $\pm$ 0.027 χ^2 /NDF: 7538132.8/58

All: 214.911 $\pm$ 0.019 χ^2 /NDF: 15299941.4/11

- sign 211.990 $\pm$ 0.026 χ^2 /NDF: 7736857.1/59

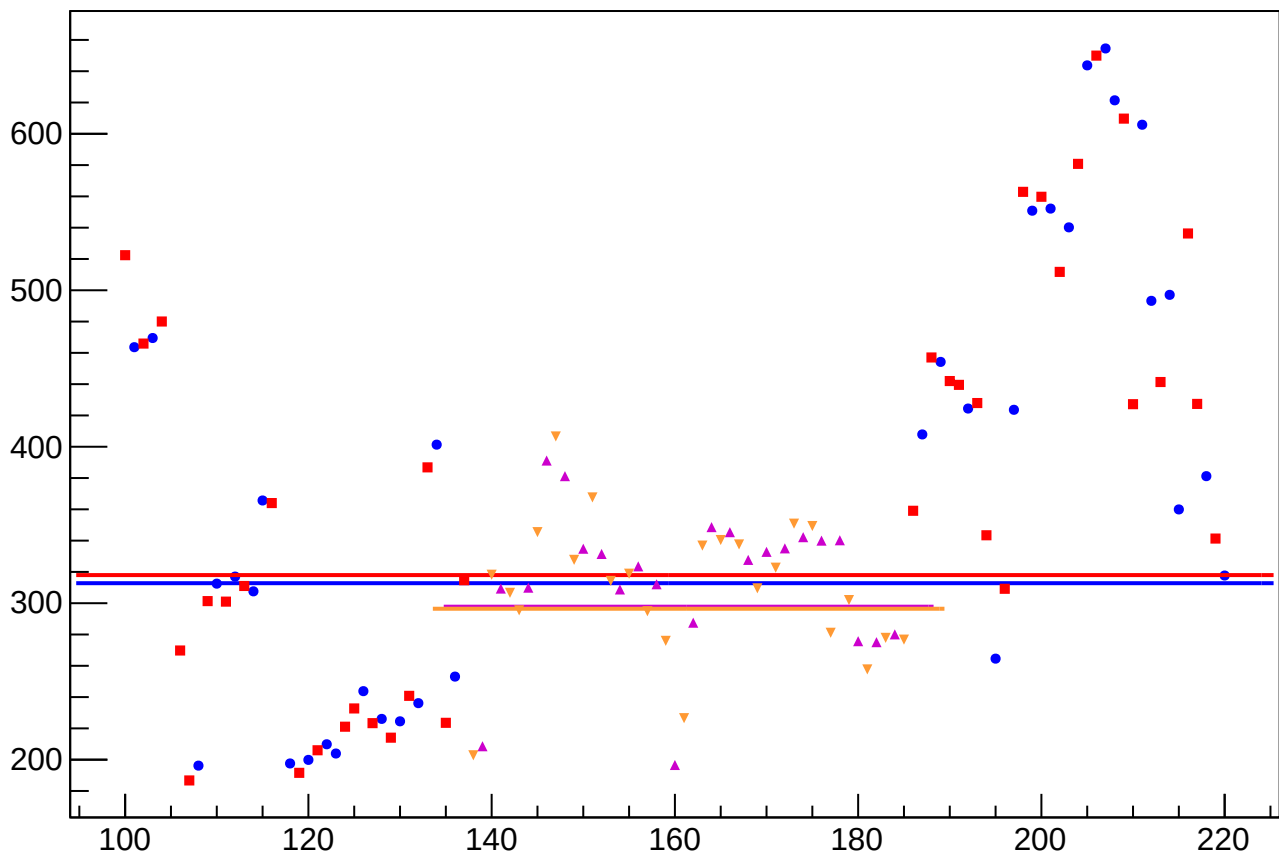
yield_bpm0r03WS_mean vs Slug



Right In: 139934.682 $\pm$ 0.079 χ^2 /NDF: 2421711973.4/33
 Left Out: 138646.366 $\pm$ 0.071 χ^2 /NDF: 2548637600.4/24
 Right Out: 139449.438 $\pm$ 0.078 χ^2 /NDF: 2527691371.9/36
 Left In: 138588.711 $\pm$ 0.074 χ^2 /NDF: 1948065195.1/22

+ sign 139224.083 $\pm$ 0.053 χ^2 /NDF: 5118620052.9
 All: 139110.938 $\pm$ 0.038 χ^2 /NDF: 966800620
 - sign 138993.474 $\pm$ 0.054 χ^2 /NDF: 4539962307.6

yield_bpm0r03WS_rms vs Slug



Right In: 312.795 ± 0.056 $\chi^2/\text{NDF}: 5017299.9/33$

Left Out: 296.464 ± 0.050 $\chi^2/\text{NDF}: 893579.7/24$

Right Out: 317.973 ± 0.055 $\chi^2/\text{NDF}: 4722456.0/36$

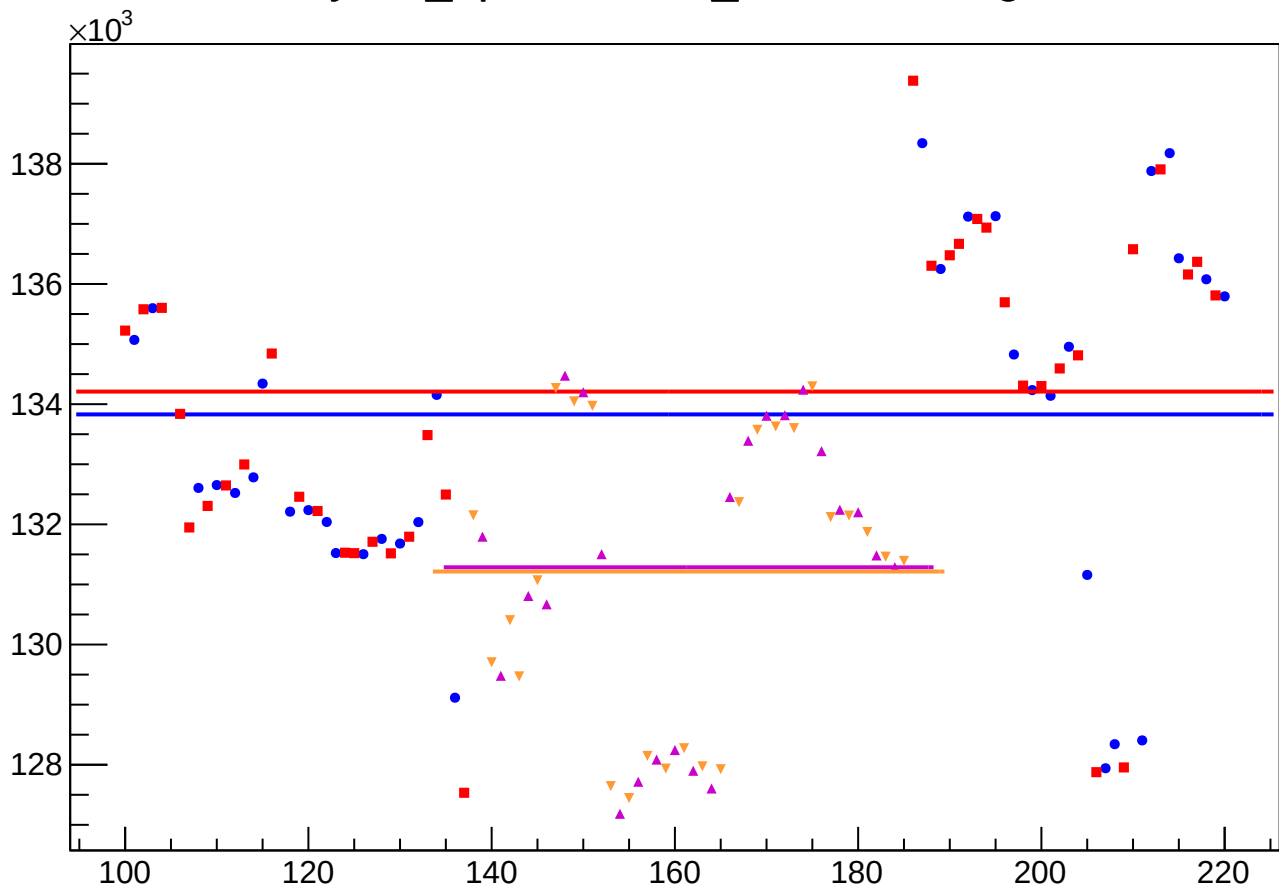
Left In: 297.774 ± 0.052 $\chi^2/\text{NDF}: 1061489.5/22$

+ sign 303.788 ± 0.037 $\chi^2/\text{NDF}: 5958529.0/58$

All: 305.498 ± 0.027 $\chi^2/\text{NDF}: 11817491.4/118$

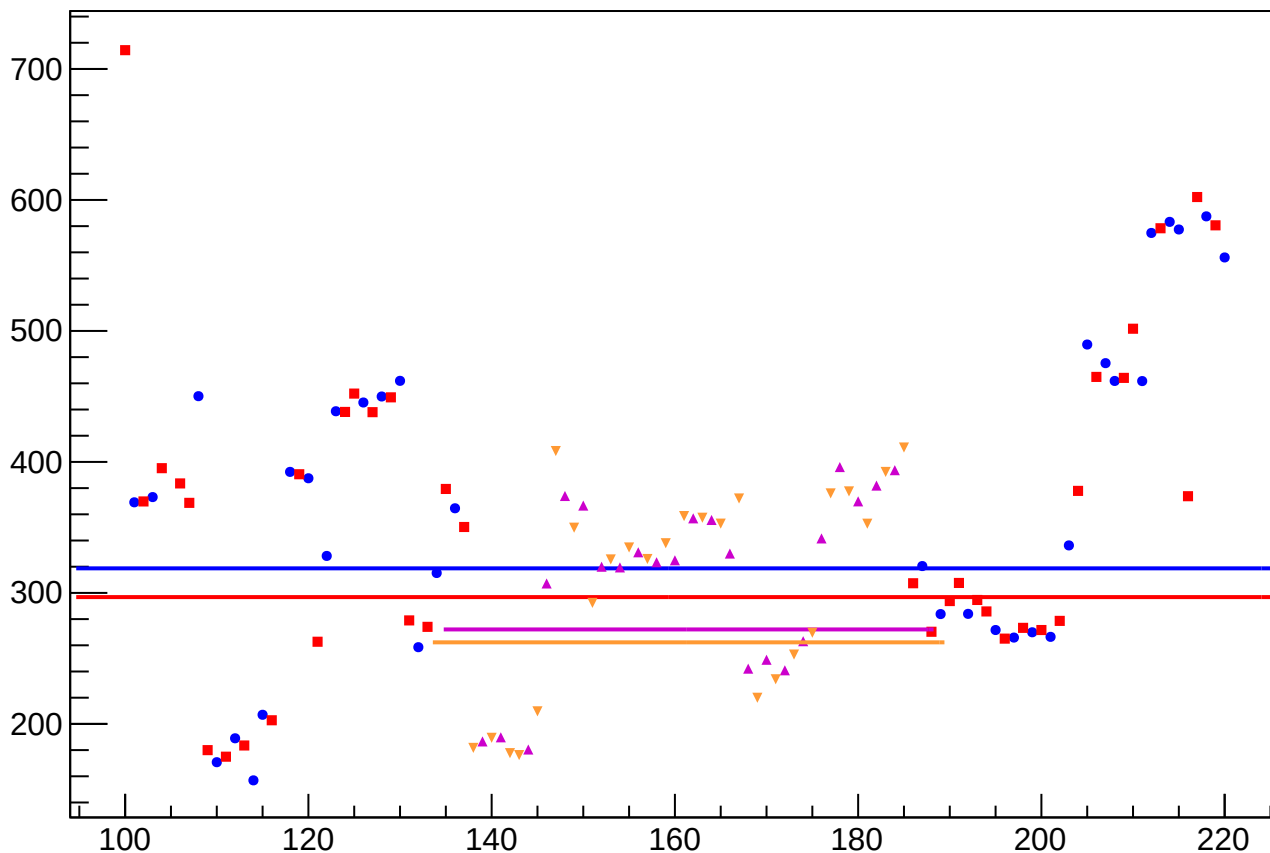
- sign 307.273 ± 0.038 $\chi^2/\text{NDF}: 5854658.1/59$

yield_bpm0r05WS_mean vs Slug



Right In: 133829.628 $\pm$ 0.078 χ^2 /NDF: 1055672934.8/33
 Left Out: 131214.985 $\pm$ 0.064 χ^2 /NDF: 1173424494.6/24
 Right Out: 134209.430 $\pm$ 0.072 χ^2 /NDF: 1059136433.6/36
 Left In: 131285.623 $\pm$ 0.068 χ^2 /NDF: 1056232192.1/22
 + sign 132270.077 $\pm$ 0.050 χ^2 /NDF: 2896004998.2
 All: 132473.049 $\pm$ 0.035 χ^2 /NDF: 591438882
 - sign 132674.694 $\pm$ 0.050 χ^2 /NDF: 2985098195.7/

yield_bpm0r05WS_rms vs Slug



Right In: 318.751 ± 0.055 $\chi^2/\text{NDF}: 4050471.1/33$

Left Out: 262.260 ± 0.045 $\chi^2/\text{NDF}: 2818169.1/24$

Right Out: 296.807 ± 0.051 $\chi^2/\text{NDF}: 3814569.8/36$

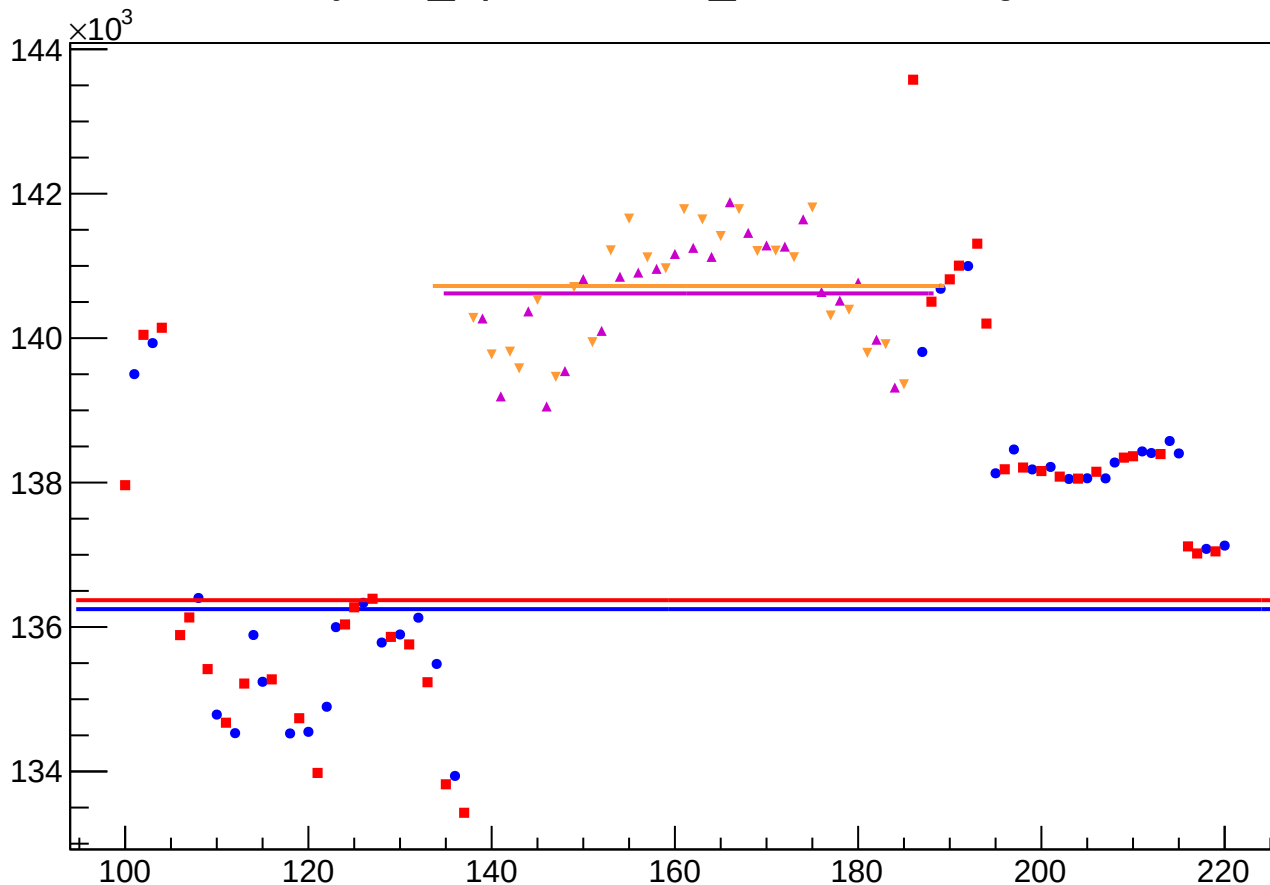
Left In: 272.115 ± 0.048 $\chi^2/\text{NDF}: 2221925.0/22$

+ sign 285.056 ± 0.035 $\chi^2/\text{NDF}: 7491268.2/58$

All: 284.449 ± 0.025 $\chi^2/\text{NDF}: 13652424.5/11$

- sign 283.846 ± 0.035 $\chi^2/\text{NDF}: 6160561.4/59$

yield_bpm0i02WS_mean vs Slug



Right In: 136247.617 $\pm$ 0.045 χ^2 /NDF: 1677025643.8/33

Left Out: 140721.823 $\pm$ 0.048 χ^2 /NDF: 247257762.8/24

Right Out: 136371.451 $\pm$ 0.043 χ^2 /NDF: 222232346.1/36

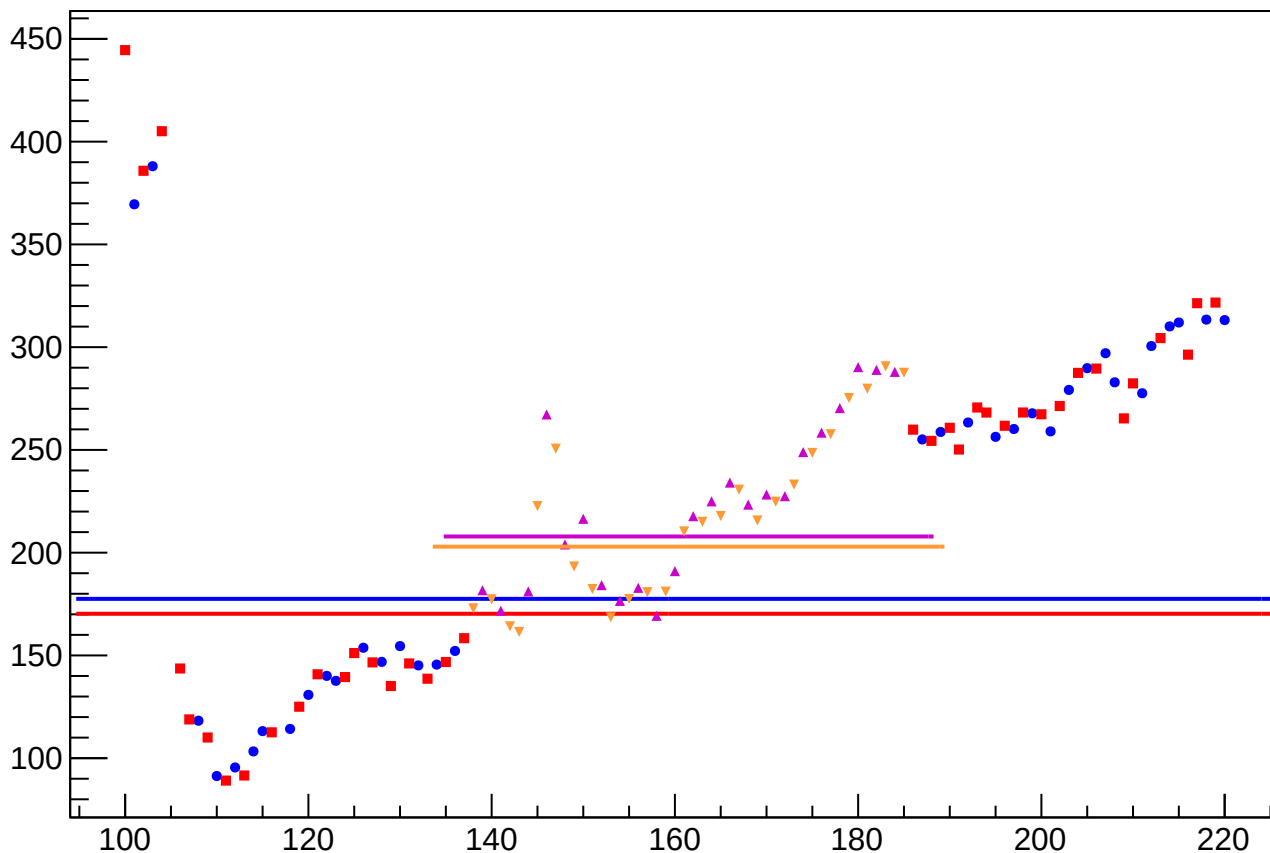
Left In: 140619.038 $\pm$ 0.051 χ^2 /NDF: 200370178.0/22

+ sign 138326.506 $\pm$ 0.033 χ^2 /NDF: 6498015363.3

All: 138228.311 $\pm$ 0.023 χ^2 /NDF: 129880922

- sign 138130.818 $\pm$ 0.033 χ^2 /NDF: 6472427555.0

yield_bpm0i02WS_rms vs Slug



Right In: 177.526+/-0.032 χ^2/NDF : 6268104.5/33

Left Out: 202.934+/-0.034 χ^2/NDF : 1052283.6/24

Right Out: 170.275+/-0.030 χ^2/NDF : 6734020.3/36

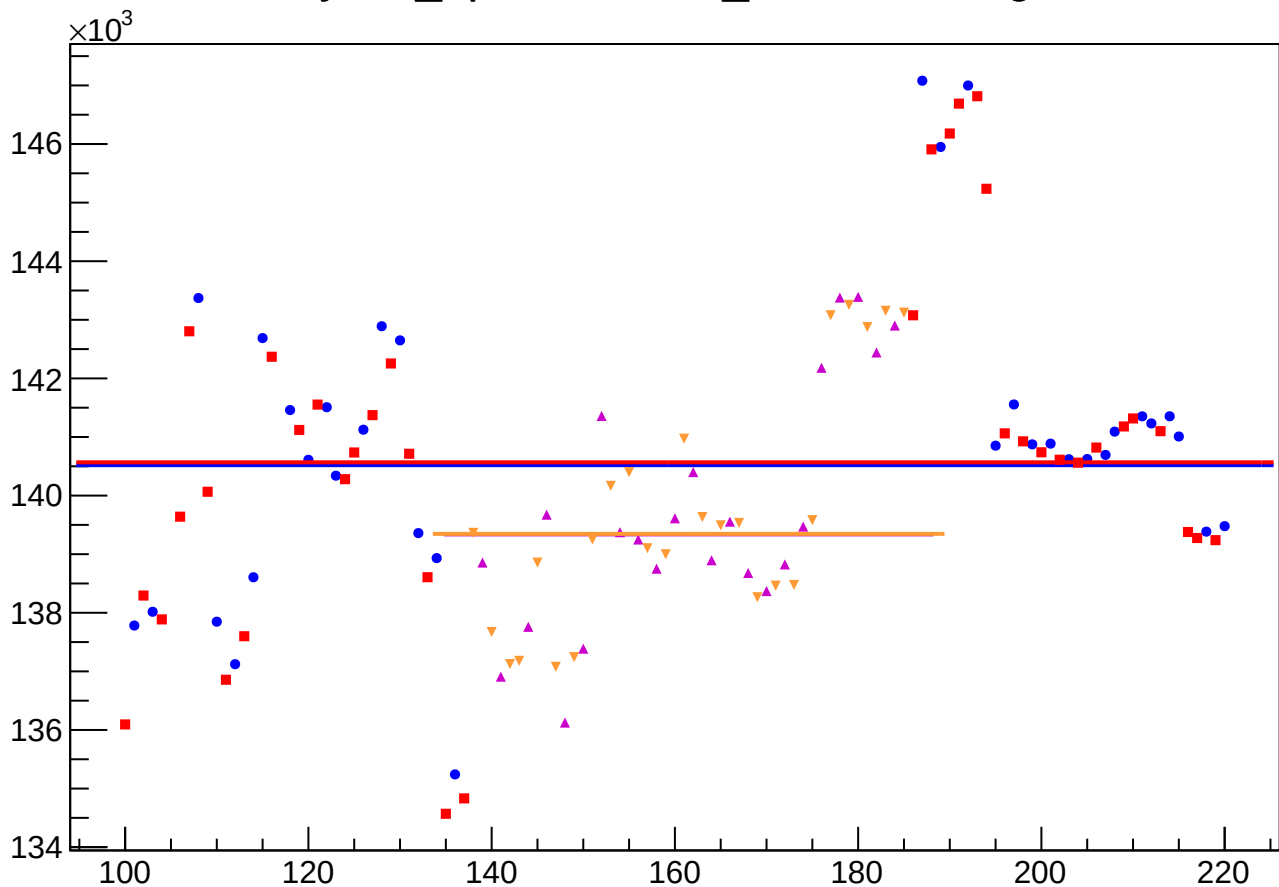
Left In: 207.872+/-0.036 χ^2/NDF : 949200.3/22

+ sign 189.331+/-0.023 χ^2/NDF : 7615384.4/58

All: 187.583+/-0.016 χ^2/NDF : 15944366.3/11

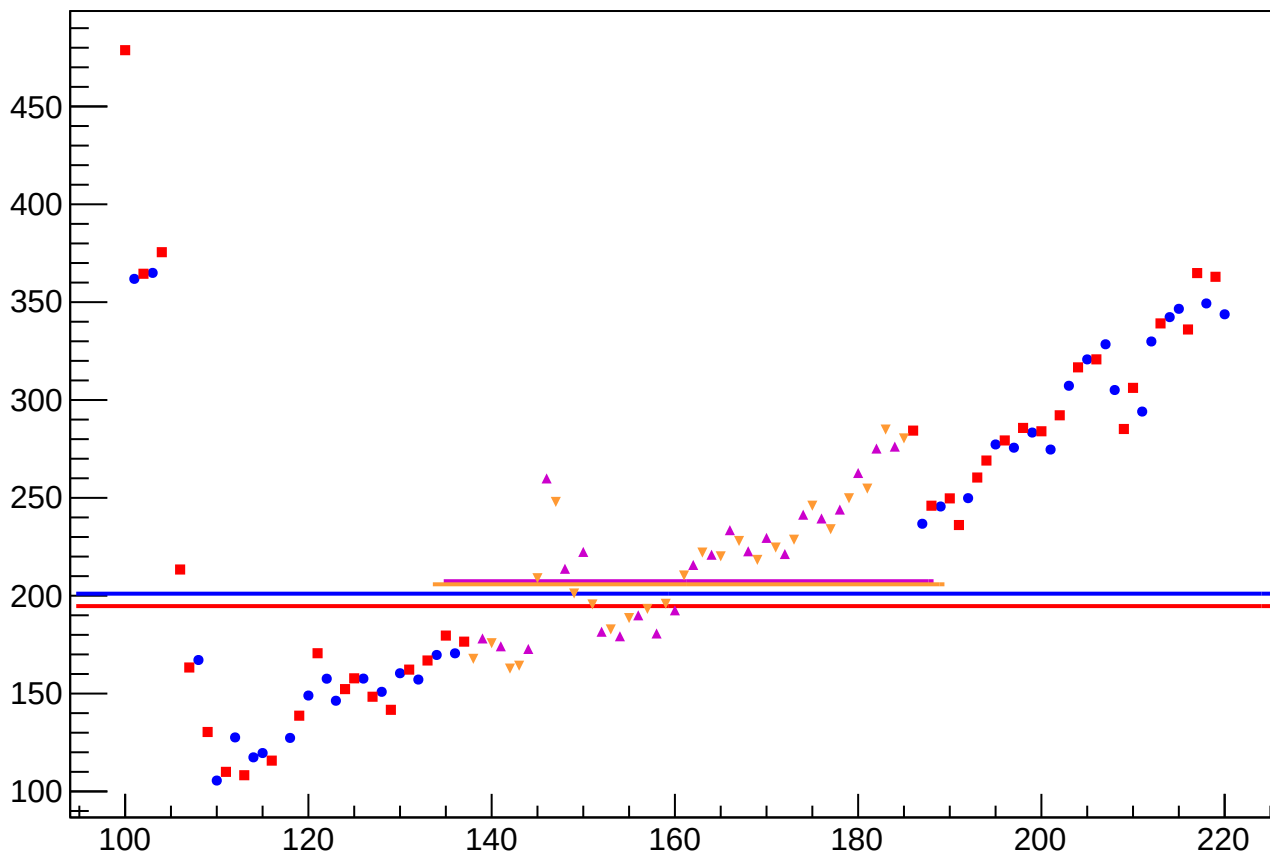
- sign 185.848+/-0.023 χ^2/NDF : 8317795.2/59

yield_bpm0i02aWS_mean vs Slug



Right In: 140519.205 $\pm$ 0.050 χ^2 /NDF: 2804256551.7/33
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140568.100 $\pm$ 0.048 χ^2 /NDF: 3249787221.8/36
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 All: 139951.832 $\pm$ 0.025 χ^2 /NDF: 920780641.0
 + sign 139917.949 $\pm$ 0.035 χ^2 /NDF: 4354860410.6
 - sign 139985.563 $\pm$ 0.035 χ^2 /NDF: 4851082465.3/

yield_bpm0i02aWS_rms vs Slug



Right In: 201.043+/-0.036 χ^2/NDF : 5172786.2/33

Left Out: 205.833+/-0.035 χ^2/NDF : 738666.4/24

Right Out: 194.691+/-0.034 χ^2/NDF : 5536176.3/36

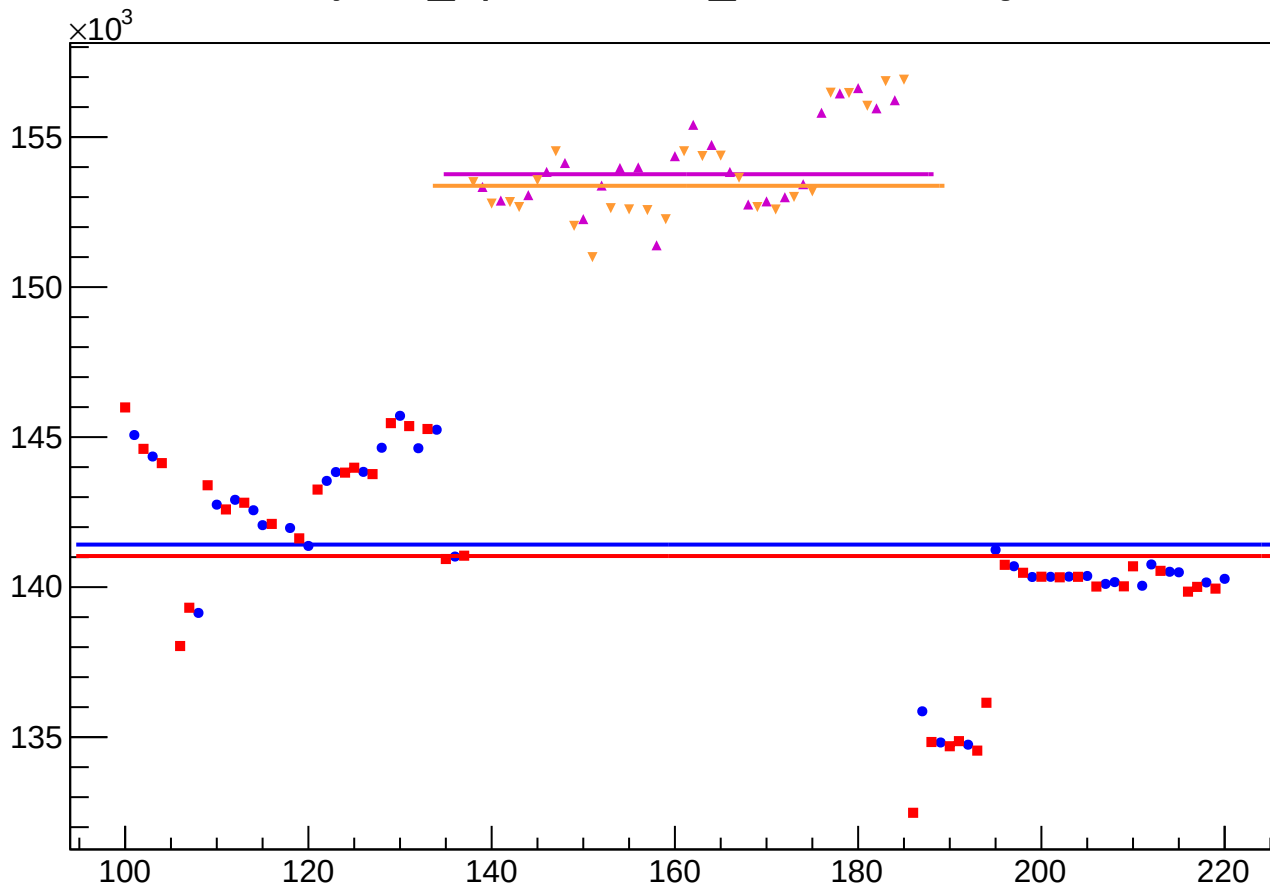
Left In: 207.416+/-0.036 χ^2/NDF : 701955.3/22

+ sign 203.499+/-0.025 χ^2/NDF : 5920775.5/58

All: 202.105+/-0.018 χ^2/NDF : 12231186.4/11

- sign 200.717+/-0.025 χ^2/NDF : 6304099.4/59

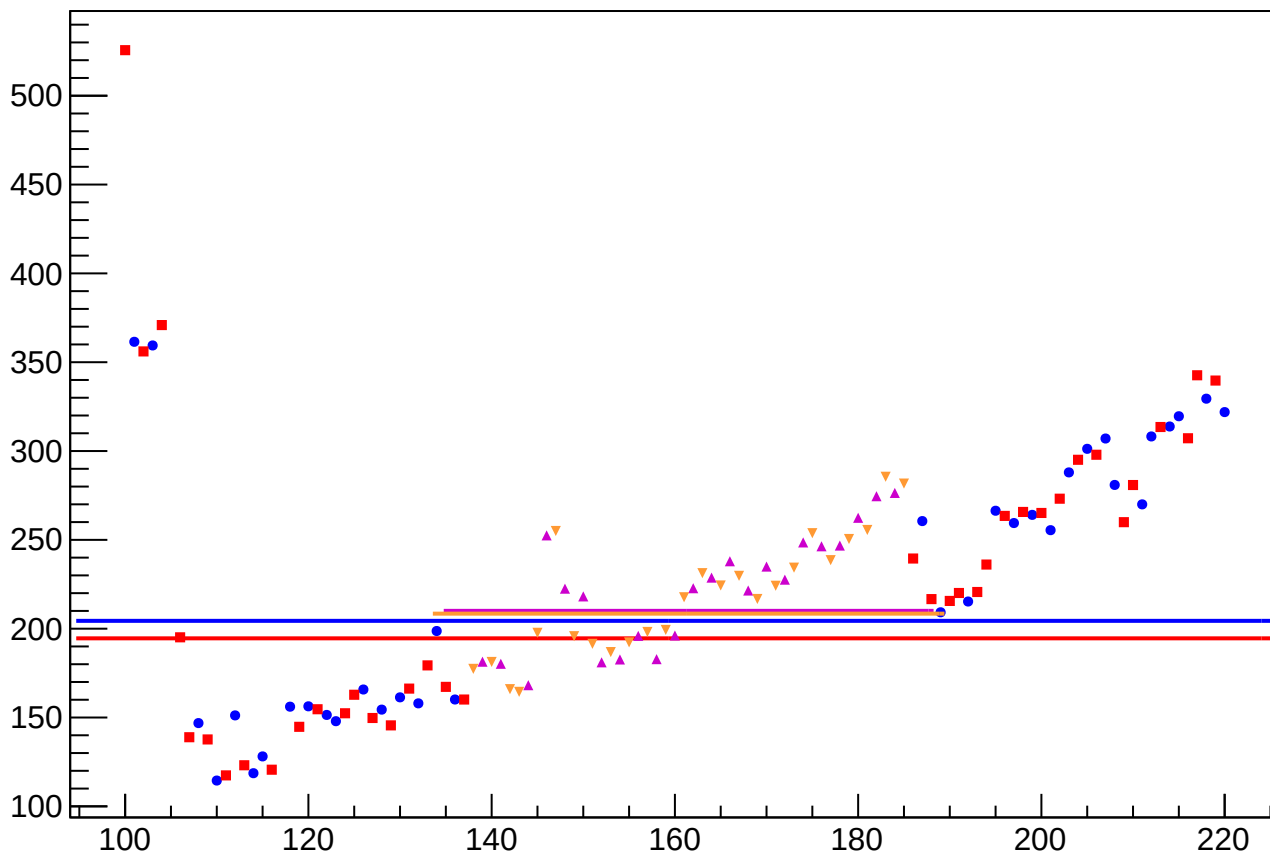
yield_bpm0i05WS_mean vs Slug



Right In: 141418.176 ± 0.050 $\chi^2/\text{NDF}: 2771053940.7/33$
 Left Out: 153376.698 ± 0.050 $\chi^2/\text{NDF}: 803848095.1/24$
 Right Out: 141036.559 ± 0.047 $\chi^2/\text{NDF}: 4472594423.0/36$
 Left In: 153762.419 ± 0.051 $\chi^2/\text{NDF}: 635075685.0/22$

+ sign 147462.200 ± 0.035 $\chi^2/\text{NDF}: 32399104582.6/24$
 - sign 146857.648 ± 0.035 $\chi^2/\text{NDF}: 38306659045.6/24$
 All: 147156.284 ± 0.025 $\chi^2/\text{NDF}: 708548876.0/48$

yield_bpm0i05WS_rms vs Slug



Right In: 204.415 $\pm$ 0.035 χ^2 /NDF: 3836755.2/33

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 194.568 $\pm$ 0.033 χ^2 /NDF: 4171349.8/36

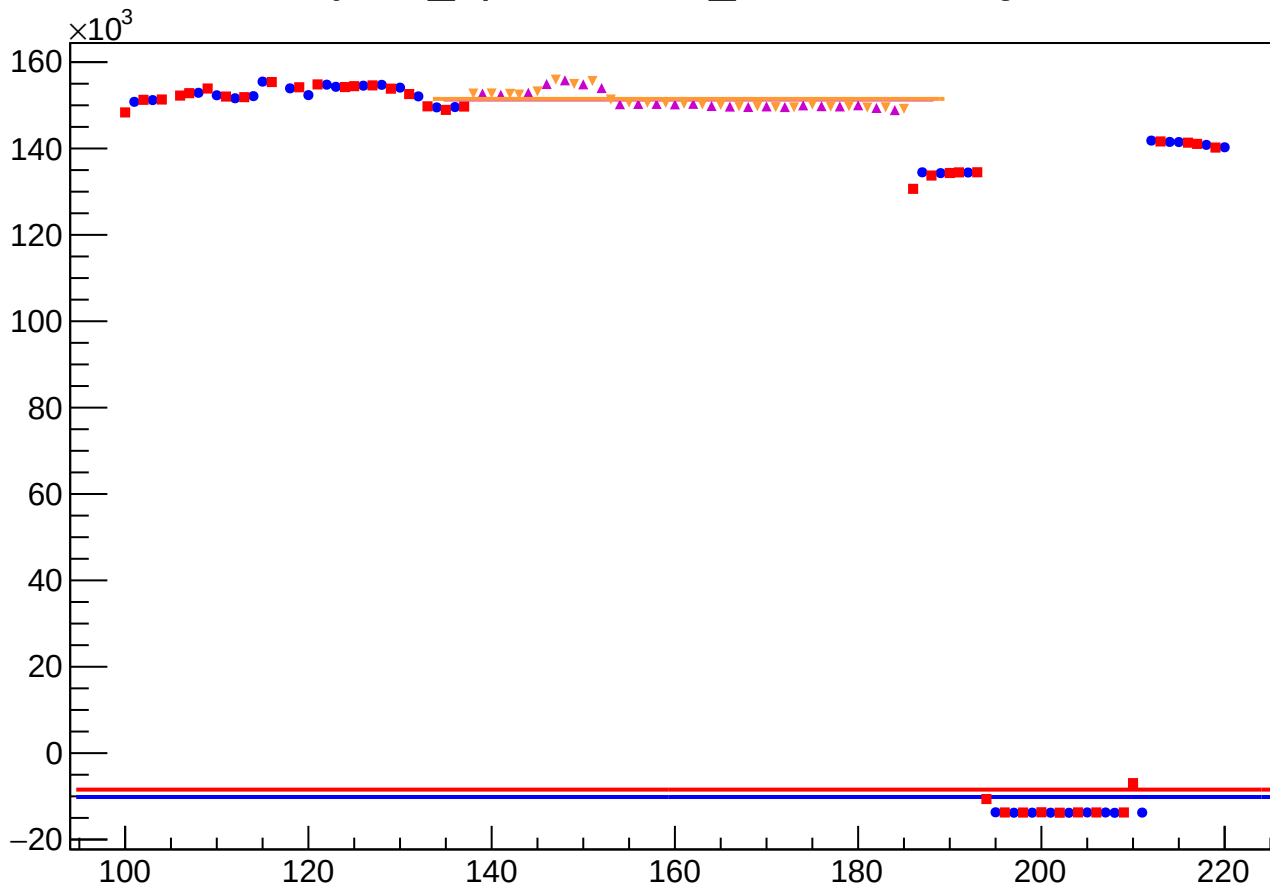
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 206.462 $\pm$ 0.025 χ^2 /NDF: 4564264.2/58

All: 204.024 $\pm$ 0.018 χ^2 /NDF: 9555045.9/118

- sign 201.644 $\pm$ 0.025 χ^2 /NDF: 4971837.1/59

yield_bpm0i07WS_mean vs Slug



Right In: -10157.875+/-0.009

χ^2/NDF : 6768505519508.1/33

Left Out: 151483.385+/-0.050

χ^2/NDF : 1481910066.9/24

Right Out: -8447.150+/-0.010

χ^2/NDF : 7817457720857.8/36

Left In: 151363.165+/-0.051

χ^2/NDF : 1421662089.0/22

+ sign -4754.163+/-0.009

χ^2/NDF : 1706753215774

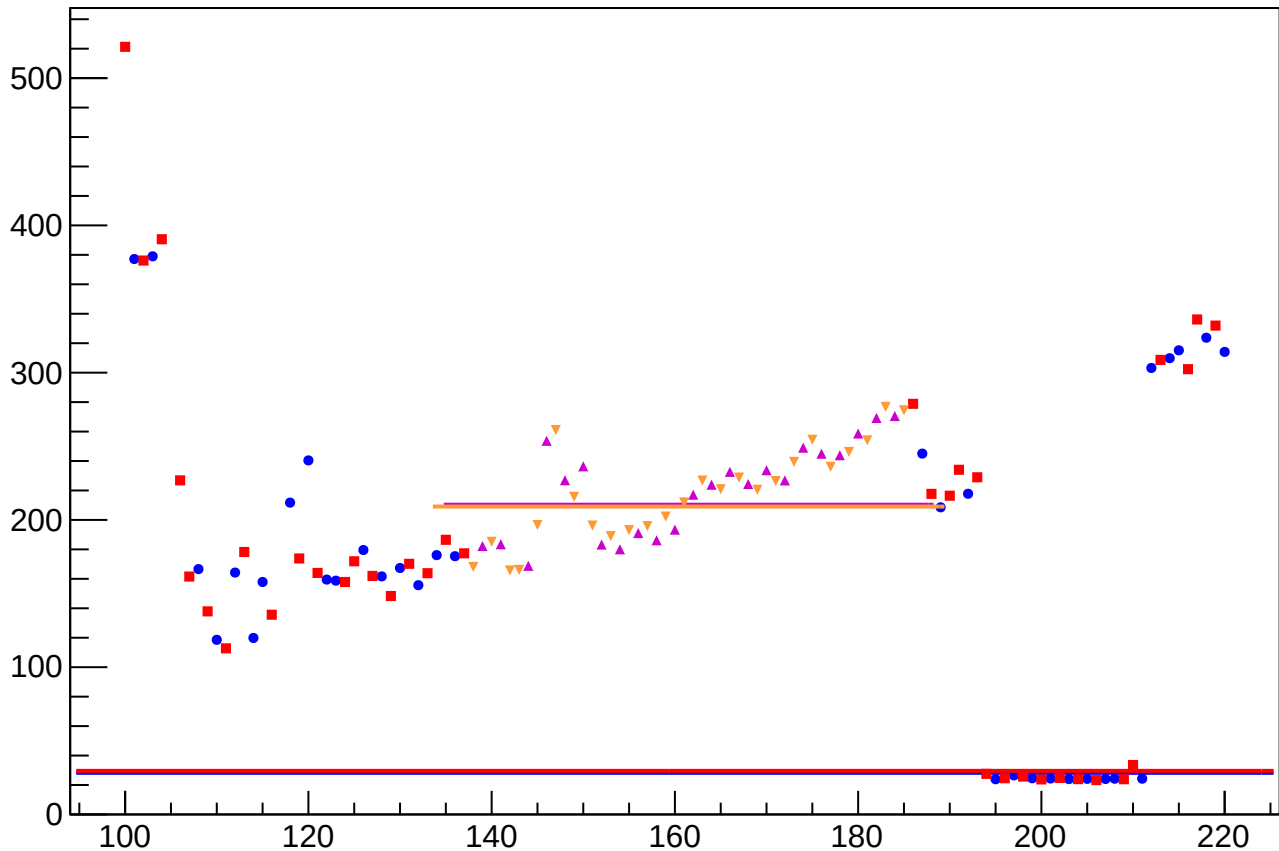
All: -3754.956+/-0.007

χ^2/NDF : 3422400845

- sign -2570.972+/-0.010

χ^2/NDF : 17129868838239

yield_bpm0i07WS_rms vs Slug



Right In: 28.269 ± 0.007 $\chi^2/\text{NDF}: 17749221.7/33$

Left Out: 209.076 ± 0.035 $\chi^2/\text{NDF}: 708260.3/24$

Right Out: 29.610 ± 0.007 $\chi^2/\text{NDF}: 18443496.1/36$

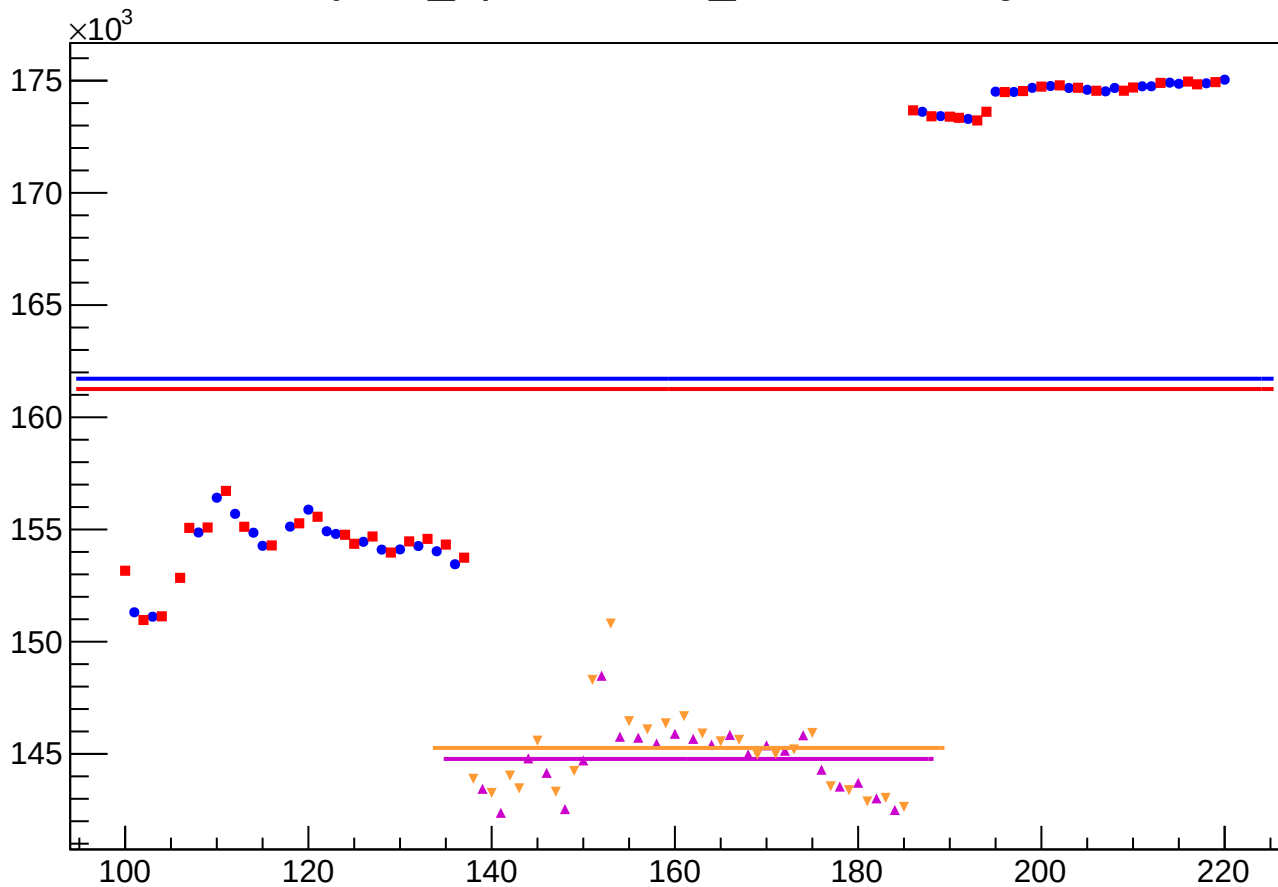
Left In: 210.345 ± 0.036 $\chi^2/\text{NDF}: 677747.7/22$

+ sign 34.314 ± 0.006 $\chi^2/\text{NDF}: 44225946.3/58$

All: 35.202 ± 0.005 $\chi^2/\text{NDF}: 87207013.7/118$

- sign 36.255 ± 0.007 $\chi^2/\text{NDF}: 42938965.8/59$

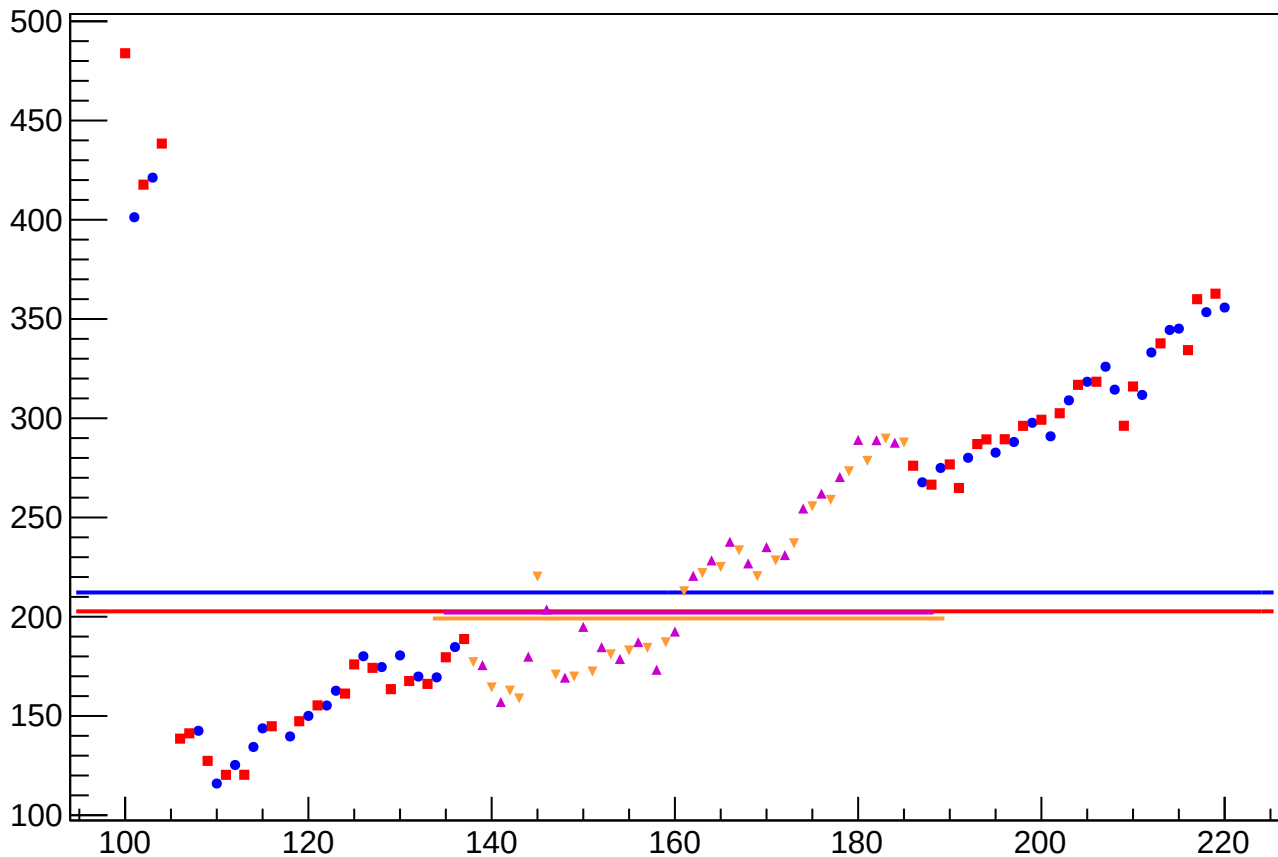
yield_bpm1i02WS_mean vs Slug



Right In: 161718.297 ± 0.053 $\chi^2/\text{NDF}: 32172135606.4/33$
 Left Out: 145266.717 ± 0.047 $\chi^2/\text{NDF}: 1717707352.7/24$
 Right Out: 161259.257 ± 0.050 $\chi^2/\text{NDF}: 34113834623.9/36$
 Left In: 144776.016 ± 0.050 $\chi^2/\text{NDF}: 918120275.4/22$

+ sign 152620.862 ± 0.035 $\chi^2/\text{NDF}: 87753855441.1$
 All: 152798.268 ± 0.025 $\chi^2/\text{NDF}: 177856563$
 - sign 152974.591 ± 0.035 $\chi^2/\text{NDF}: 90052185906.9$

yield_bpm1i02WS_rms vs Slug



Right In: 212.221+/-0.037 χ^2/NDF : 4990942.5/33

Left Out: 199.118+/-0.034 χ^2/NDF : 1152231.0/24

Right Out: 202.704+/-0.035 χ^2/NDF : 5393103.9/36

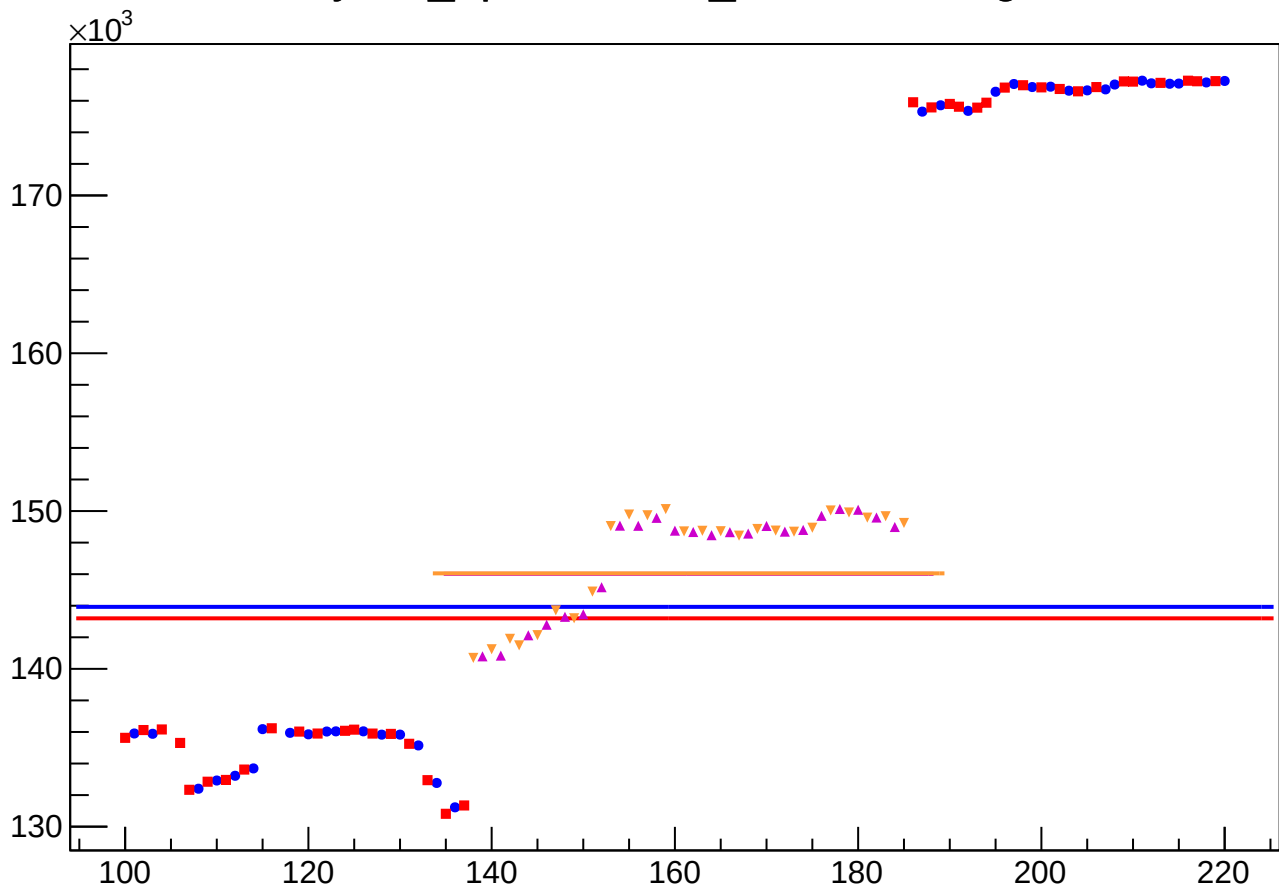
Left In: 202.090+/-0.035 χ^2/NDF : 1057833.2/22

+ sign 204.975+/-0.025 χ^2/NDF : 6211506.1/58

All: 203.681+/-0.018 χ^2/NDF : 12667969.4/11

- sign 202.396+/-0.025 χ^2/NDF : 6451089.7/59

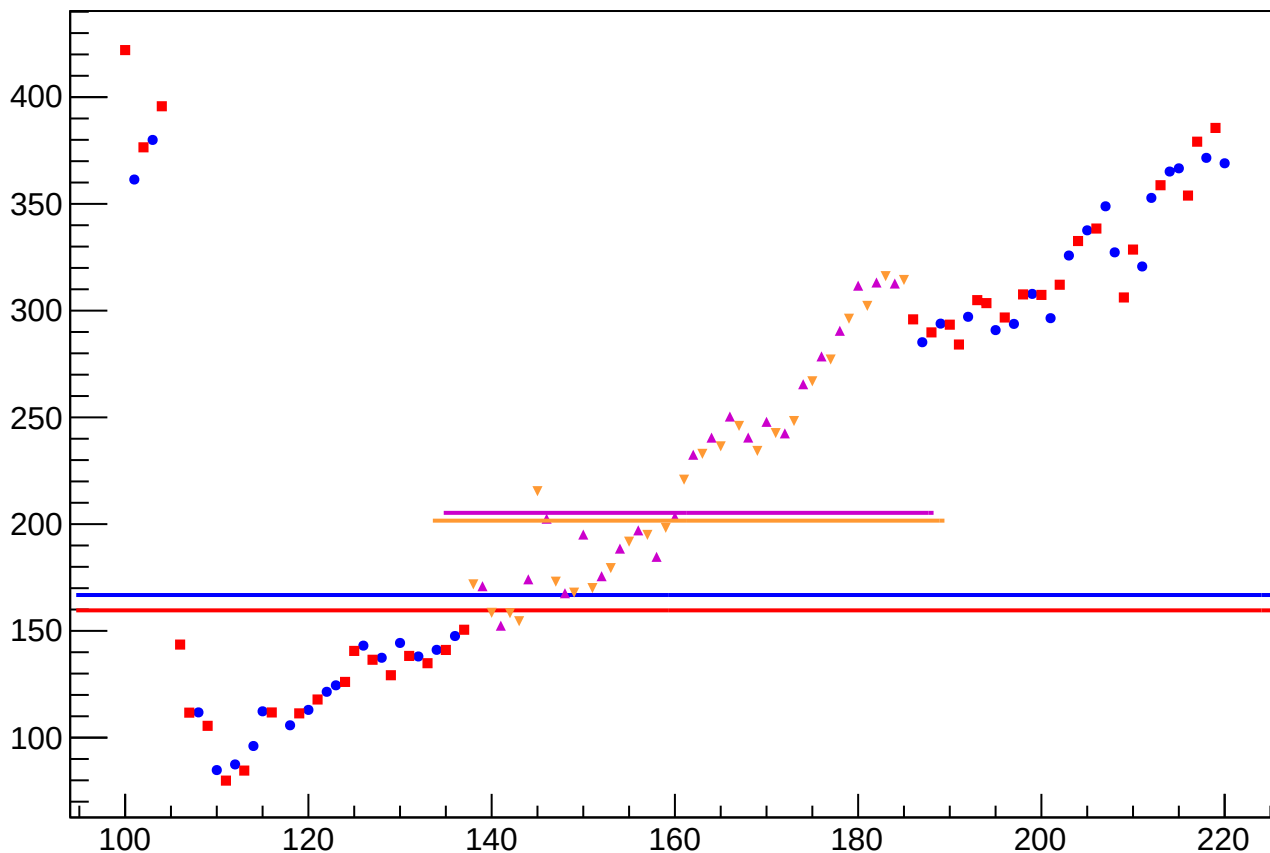
yield_bpm1i04WS_mean vs Slug



Right In: 143928.437 ± 0.044 χ^2/NDF : 162006402221.2/33
 Left Out: 146051.733 ± 0.048 χ^2/NDF : 5403300123.1/24
 Right Out: 143200.788 ± 0.042 χ^2/NDF : 171841314748.0/36
 Left In: 146020.015 ± 0.051 χ^2/NDF : 4591425371.4/22

+ sign 144898.607 ± 0.033 χ^2/NDF : 168459045072
 All: 144622.345 ± 0.023 χ^2/NDF : 346867523
 - sign 144351.078 ± 0.032 χ^2/NDF : 178266596081

yield_bpm1i04WS_rms vs Slug



Right In: 166.800 $\pm$ 0.031 χ^2 /NDF: 9009854.4/33

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 159.610 $\pm$ 0.030 χ^2 /NDF: 9504739.1/36

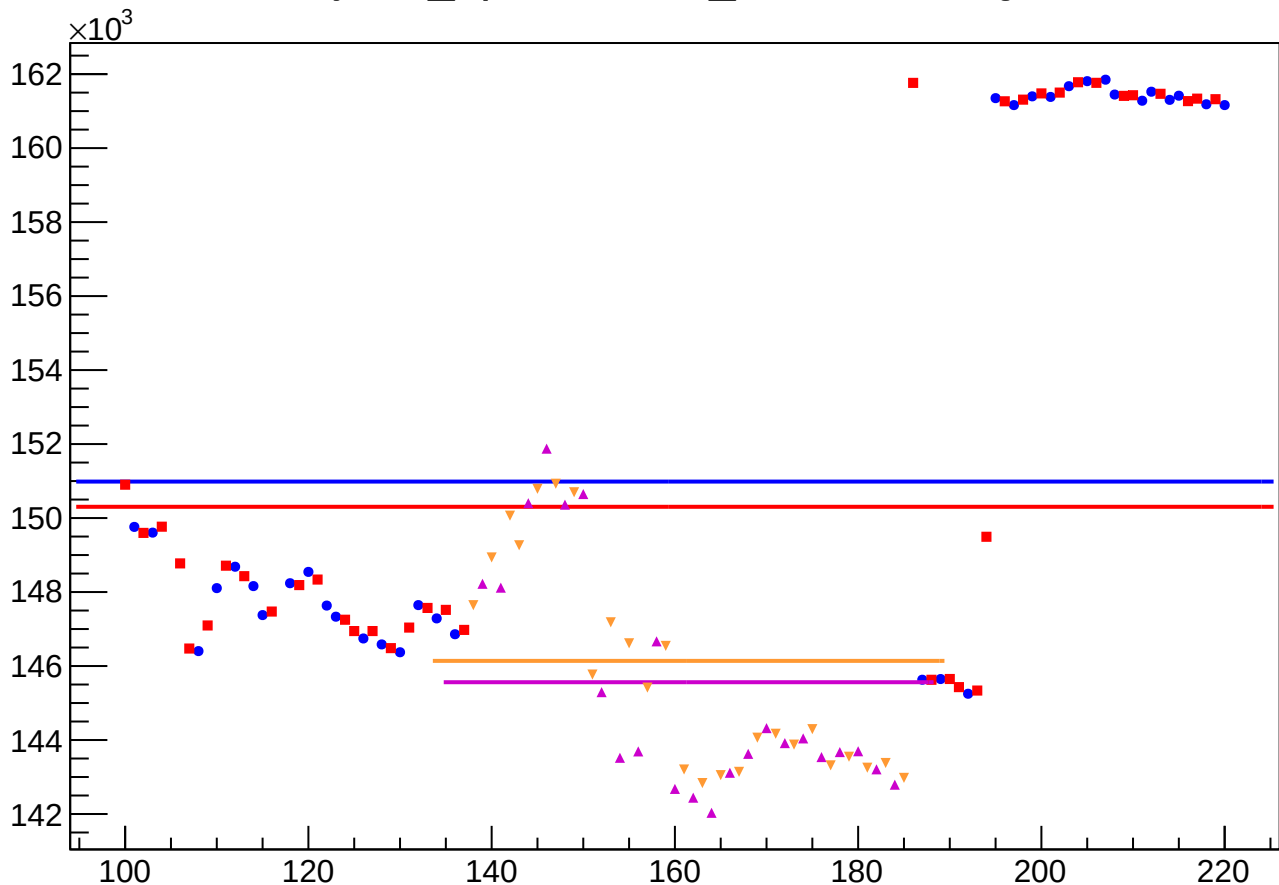
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 182.715 $\pm$ 0.023 χ^2 /NDF: 11164182.6/58

All: 180.461 $\pm$ 0.016 χ^2 /NDF: 23075871.5/11

- sign 178.247 $\pm$ 0.023 χ^2 /NDF: 11892788.1/59

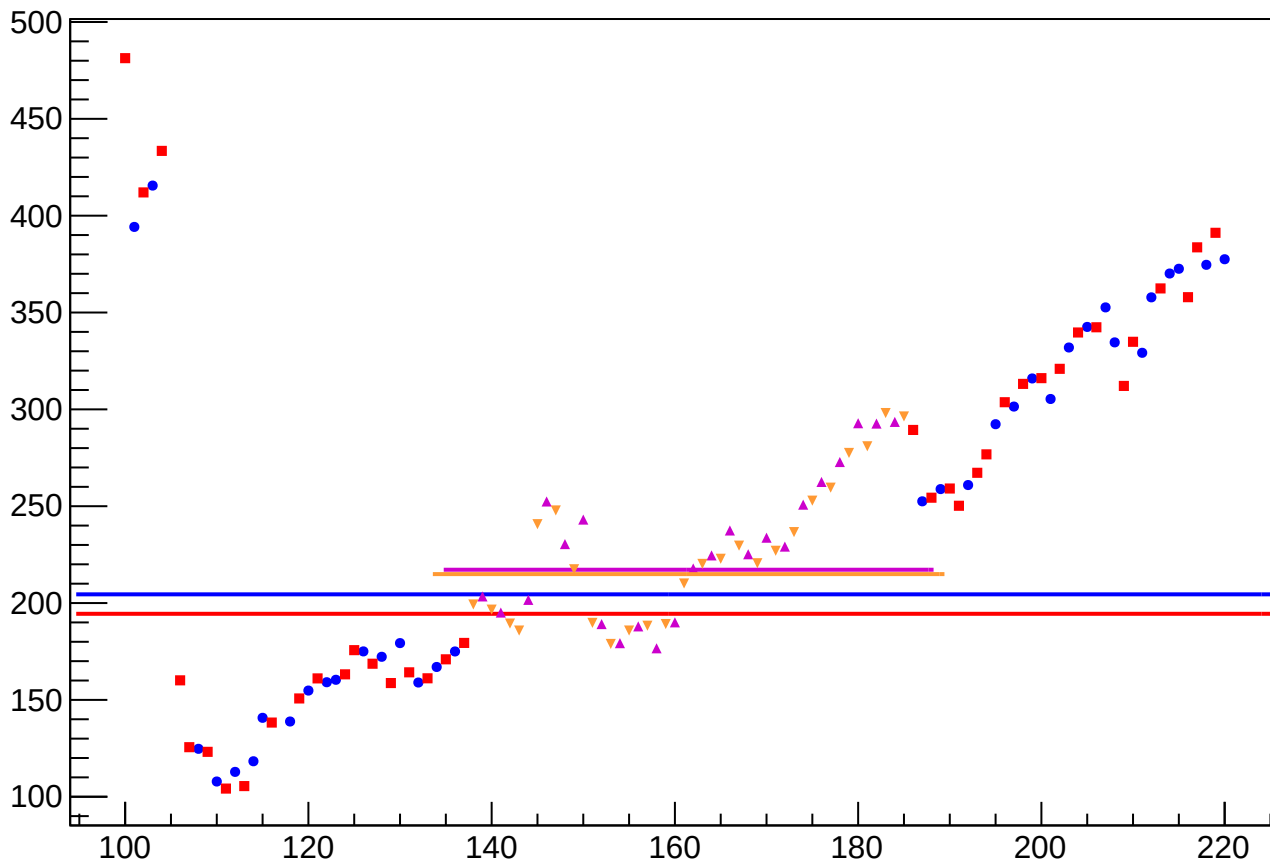
yield_bpm1i06WS_mean vs Slug



Right In: 150986.025 $\pm$ 0.052 χ^2/NDF : 14109911964.5/33
 Left Out: 146139.326 $\pm$ 0.051 χ^2/NDF : 2699546907.6/24
 Right Out: 150304.398 $\pm$ 0.049 χ^2/NDF : 13296023397.9/36
 Left In: 145562.386 $\pm$ 0.053 χ^2/NDF : 3054641996.0/22

+ sign 148520.194 $\pm$ 0.036 χ^2/NDF : 21262455636.
 All: 148324.972 $\pm$ 0.026 χ^2/NDF : 420006643
 - sign 148134.119 $\pm$ 0.036 χ^2/NDF : 20681040414.3

yield_bpm1i06WS_rms vs Slug



Right In: 204.500 $\pm$ 0.037 χ^2 /NDF: 6198376.6/33

Left Out: 214.945 $\pm$ 0.036 χ^2 /NDF: 728515.5/24

Right Out: 194.451 $\pm$ 0.034 χ^2 /NDF: 6580476.2/36

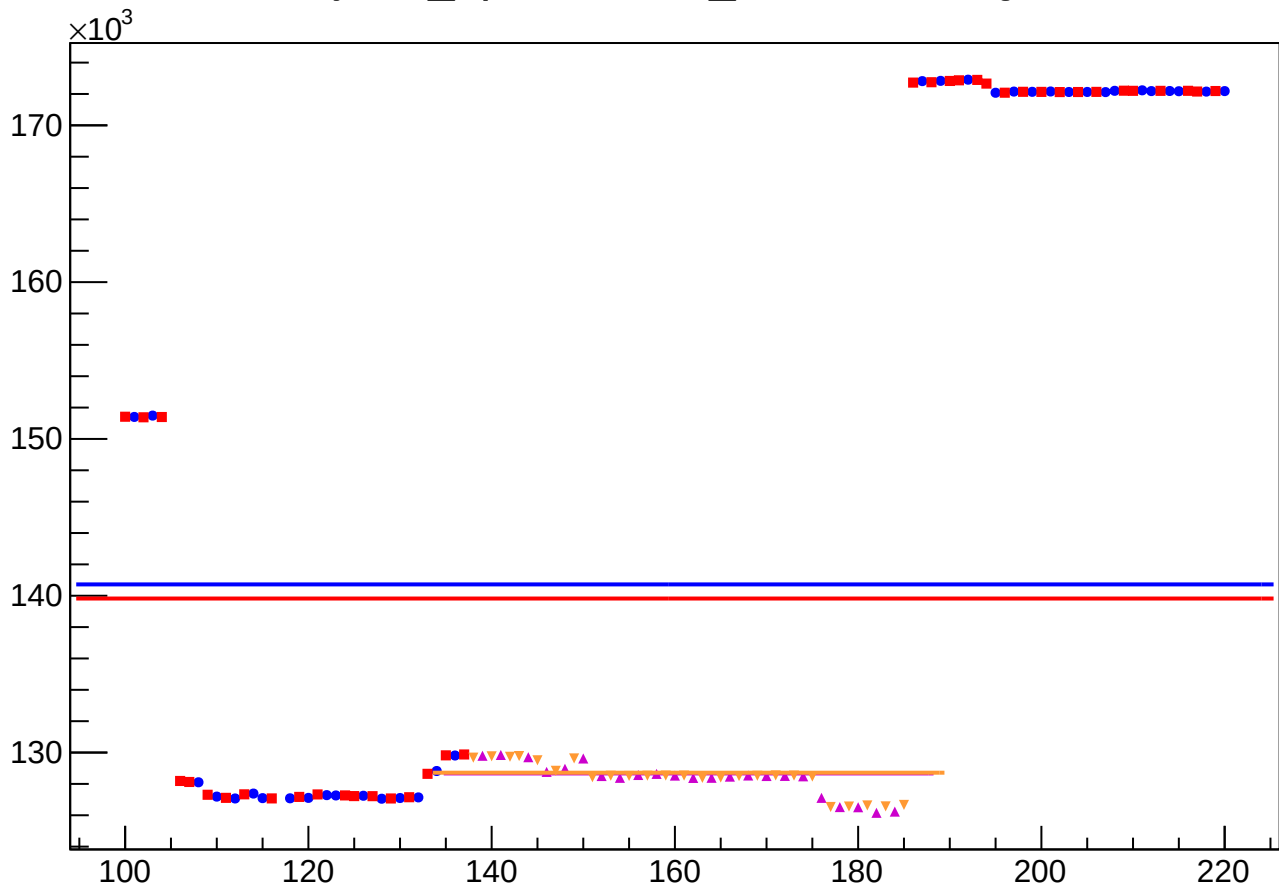
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 209.814 $\pm$ 0.026 χ^2 /NDF: 6968251.0/58

All: 207.311 $\pm$ 0.018 χ^2 /NDF: 14531713.5/1

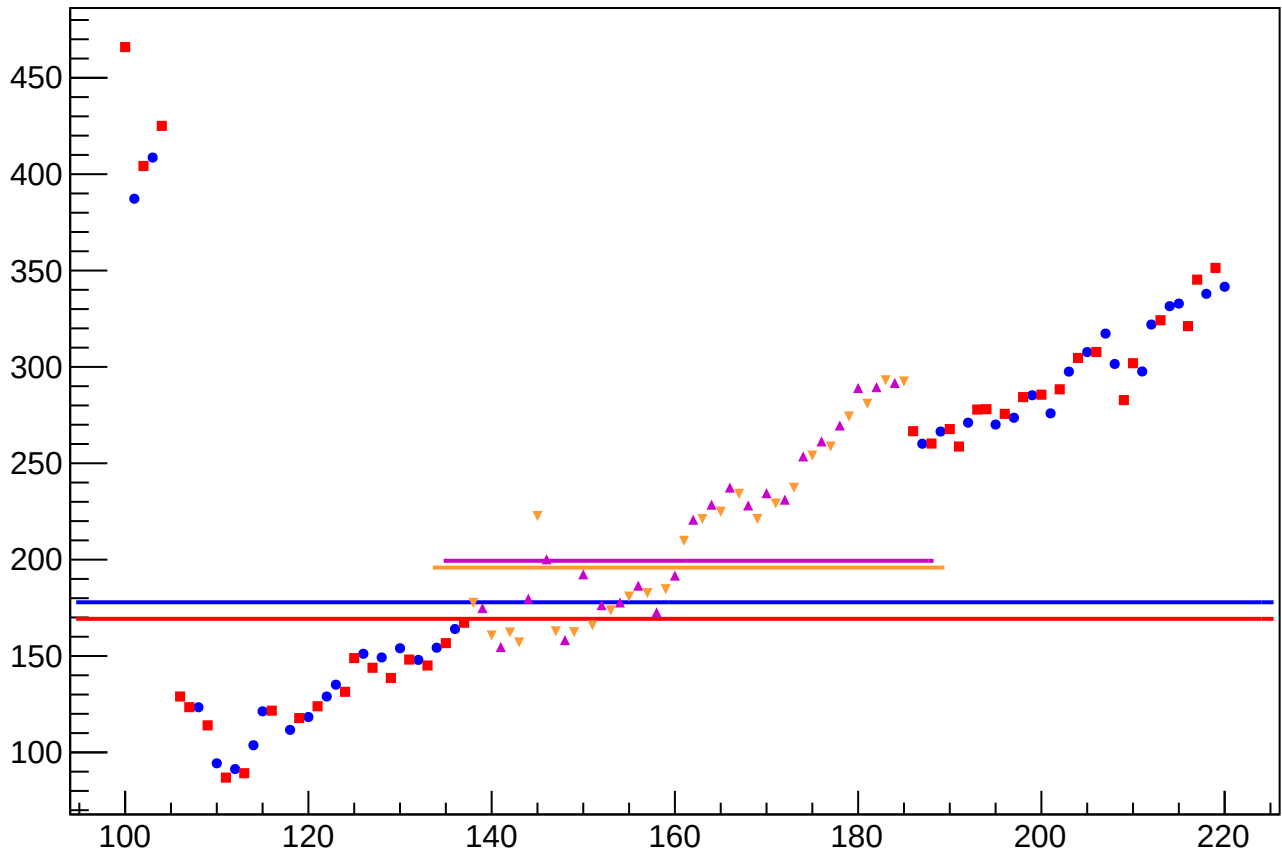
- sign 204.864 $\pm$ 0.025 χ^2 /NDF: 7544663.7/59

yield_bpm2i01WS_mean vs Slug



Right In: 140723.008 $\pm$ 0.046 χ^2 /NDF: 195754779362.3/33
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 139822.313 $\pm$ 0.043 χ^2 /NDF: 211830270618.2/36
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22

yield_bpm2i01WS_rms vs Slug



Right In: 177.884 $\pm$ 0.032 χ^2 /NDF: 7140761.2/33

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 169.292 $\pm$ 0.030 χ^2 /NDF: 7617094.6/36

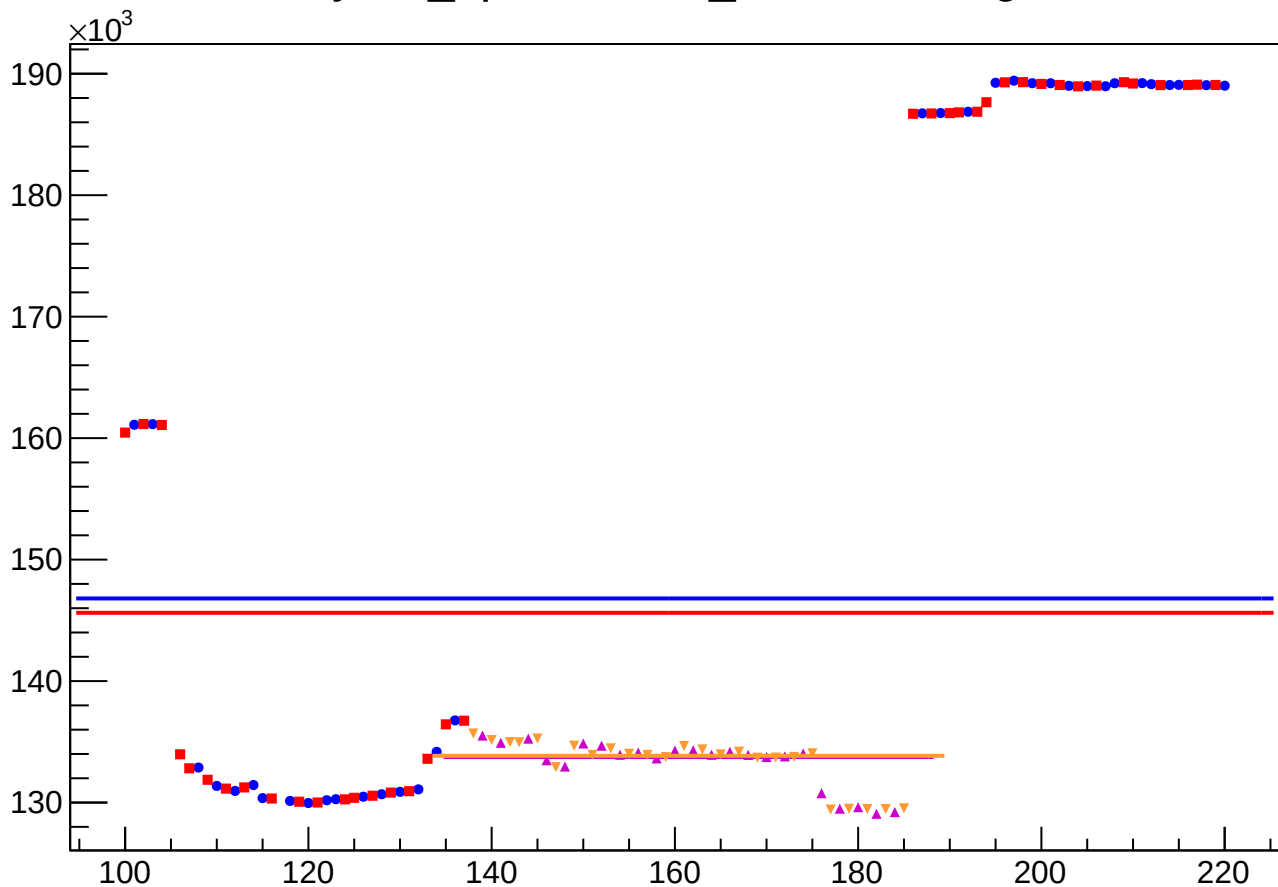
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 186.703 $\pm$ 0.023 χ^2 /NDF: 8605654.4/58

All: 184.551 $\pm$ 0.016 χ^2 /NDF: 17831595.7/1

- sign 182.441 $\pm$ 0.023 χ^2 /NDF: 9208777.3/59

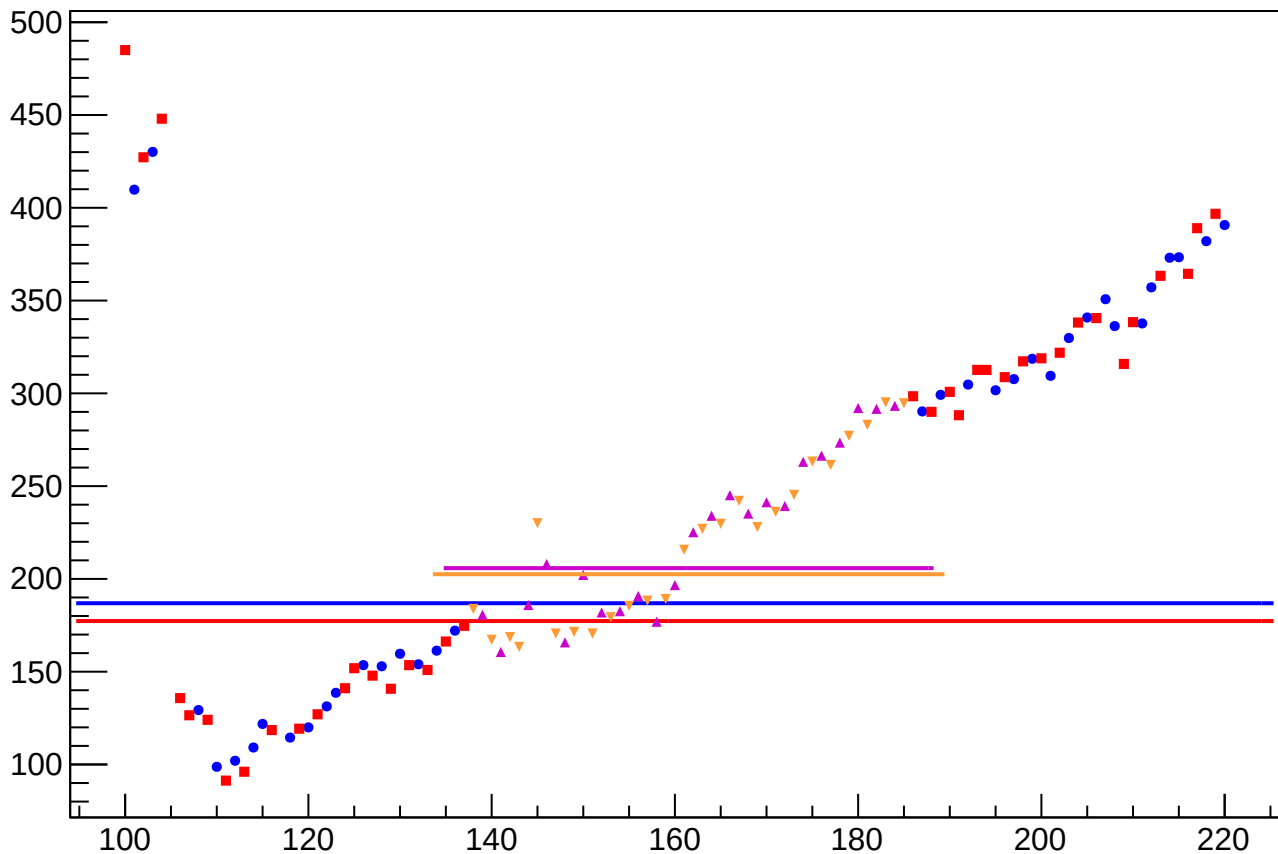
yield_bpm2i02WS_mean vs Slug



Right In: 146803.510 $\pm$ 0.049 χ^2 /NDF: 267110222553.8/33
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 145622.311 $\pm$ 0.046 χ^2 /NDF: 283560081089.5/36
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

+ sign 140261.153 $\pm$ 0.034 χ^2 /NDF: 303900698579
 All: 140265.044 $\pm$ 0.024 χ^2 /NDF: 61874795
 - sign 140268.856 $\pm$ 0.034 χ^2 /NDF: 314847227394

yield_bpm2i02WS_rms vs Slug



Right In: 186.892 $\pm$ 0.034 χ^2 /NDF: 7916349.8/33

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 177.290 $\pm$ 0.032 χ^2 /NDF: 8441727.5/36

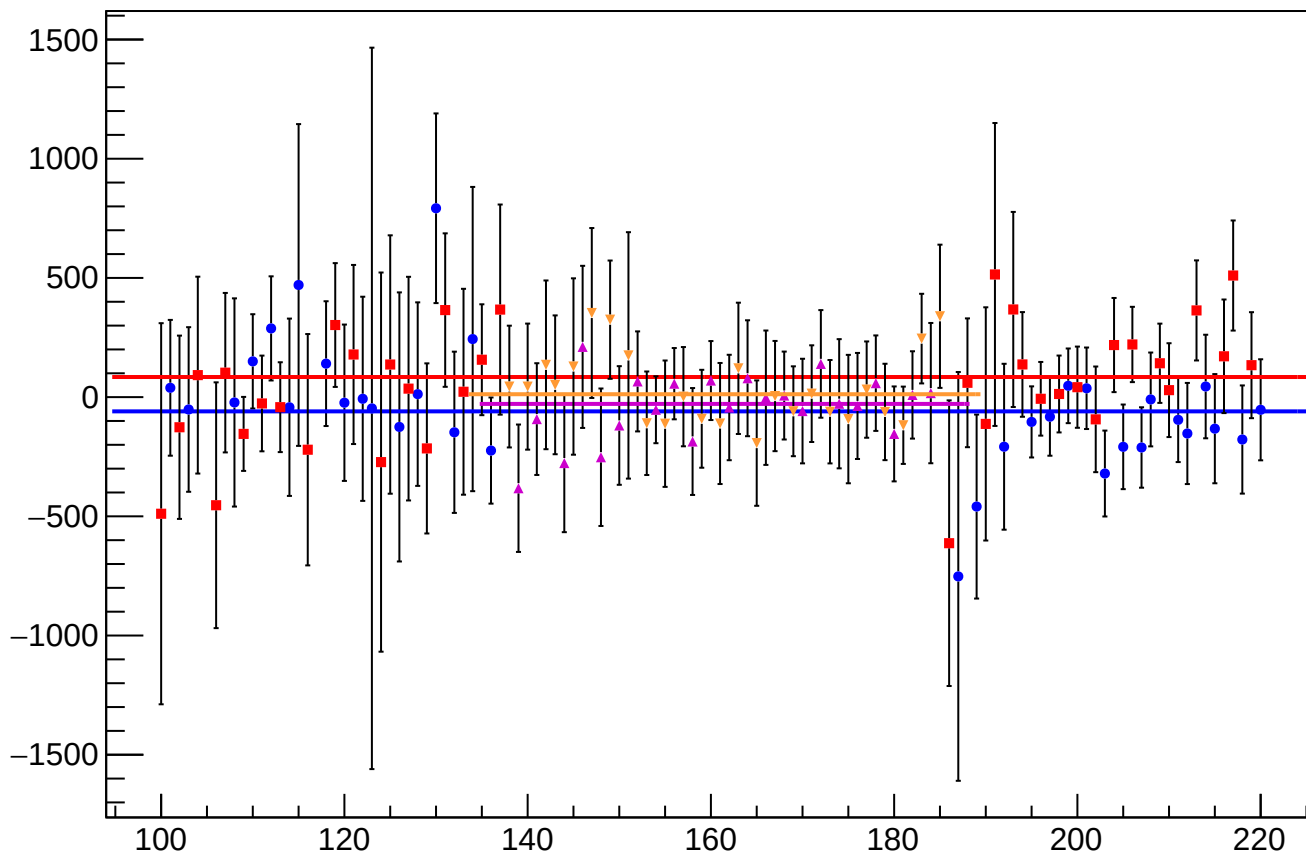
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 194.789 $\pm$ 0.024 χ^2 /NDF: 9232402.5/58

All: 192.445 $\pm$ 0.017 χ^2 /NDF: 19137002.1/11

- sign 190.149 $\pm$ 0.024 χ^2 /NDF: 9886075.5/59

asym_bcm_an_ds_mean vs Slug



Right In: -59.738 ± 41.080 χ^2/NDF : 17.8/33

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 84.366 ± 40.971 χ^2/NDF : 18.9/36

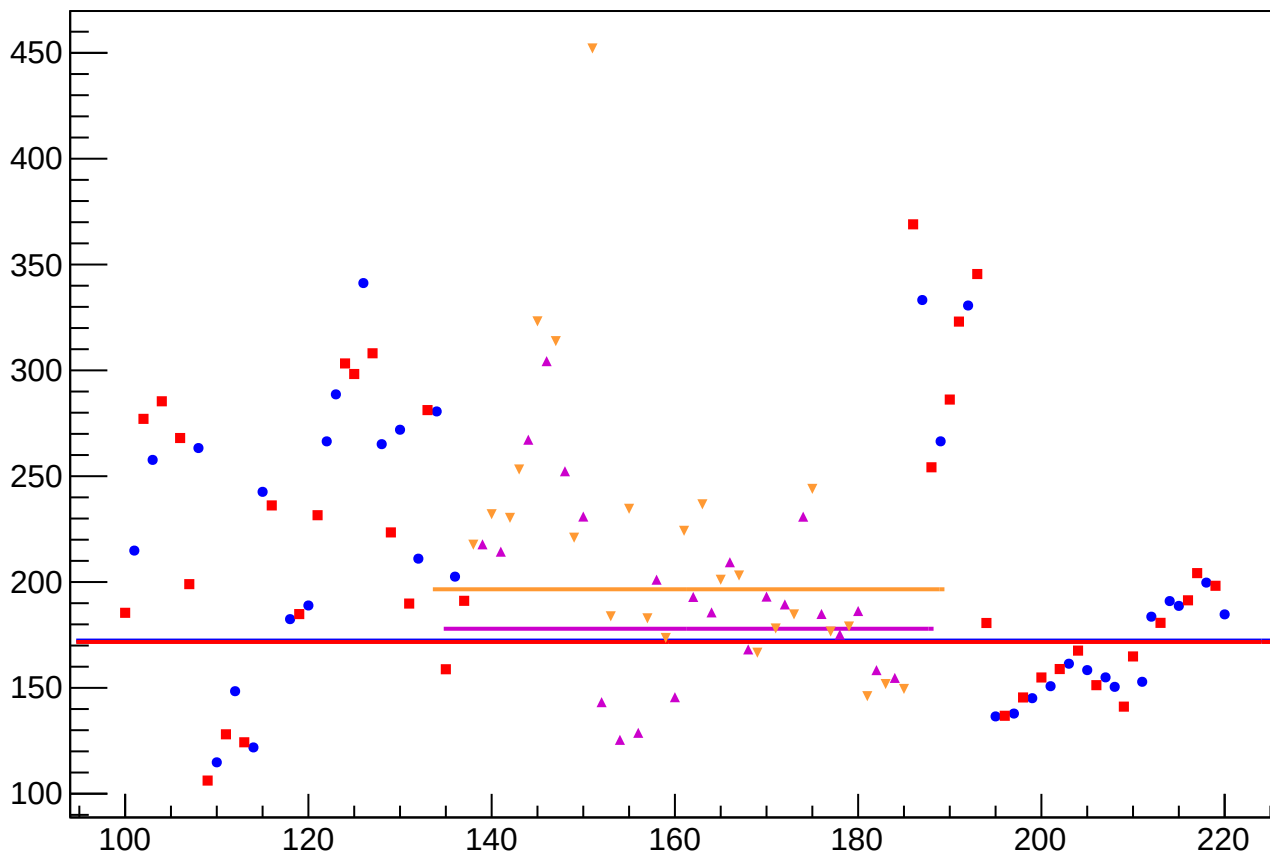
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign -28.987 ± 31.080 χ^2/NDF : 27.7/58

All: 2.817 ± 21.659 χ^2/NDF : 58.8/118

- sign 32.844 ± 30.200 χ^2/NDF : 29.1/59

asym_bcm_an_ds_rms vs Slug



Right In: 172.350 $\pm$ 0.029 χ^2 /NDF: 2219663.2/33

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 171.688 $\pm$ 0.029 χ^2 /NDF: 2935986.0/36

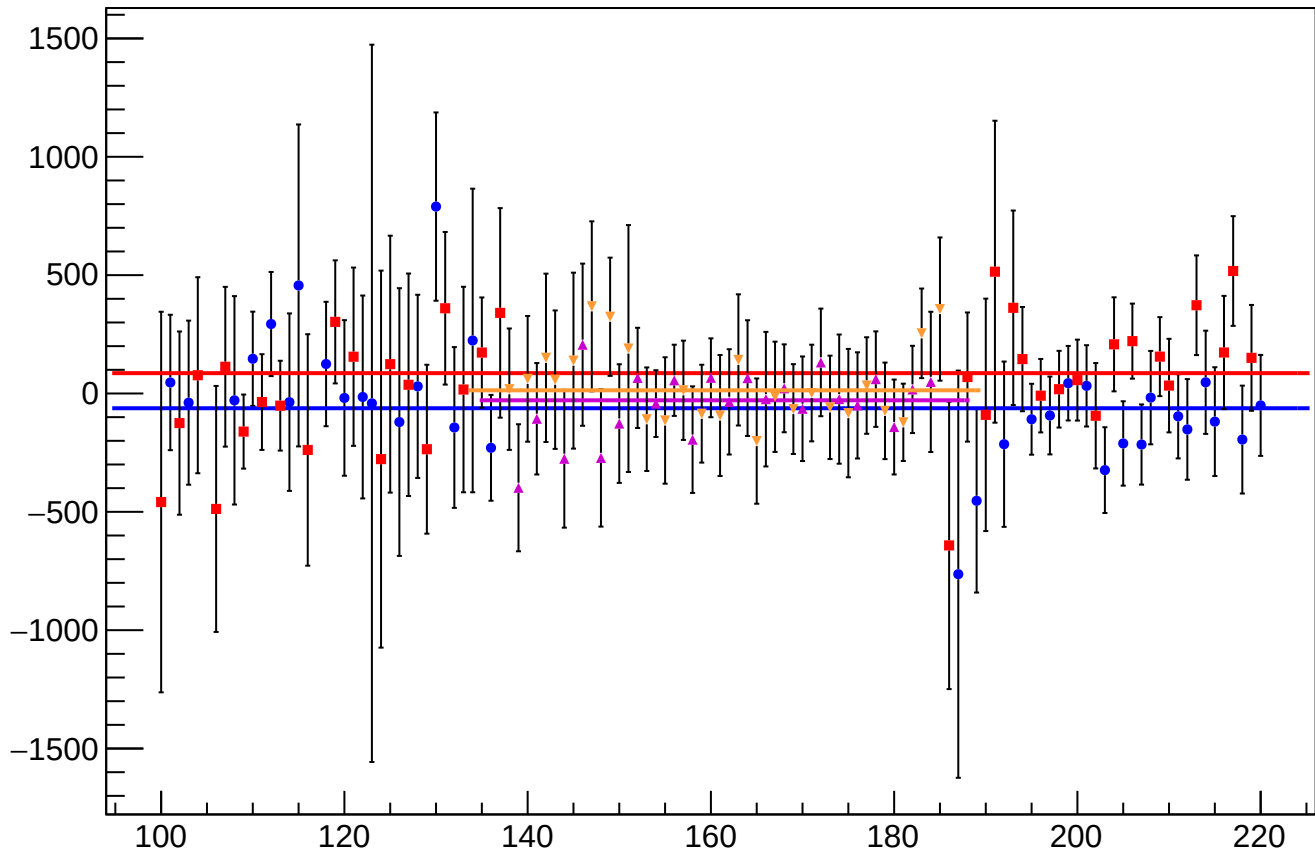
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 182.709 $\pm$ 0.022 χ^2 /NDF: 4295792.6/58

All: 178.507 $\pm$ 0.015 χ^2 /NDF: 8929841.5/118

- sign 174.540 $\pm$ 0.021 χ^2 /NDF: 4562986.0/59

asym_bcm_an_ds3_mean vs Slug



Right In: -62.345 ± 41.268 χ^2/NDF : 17.7/33

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 85.913 ± 41.168 χ^2/NDF : 19.5/36

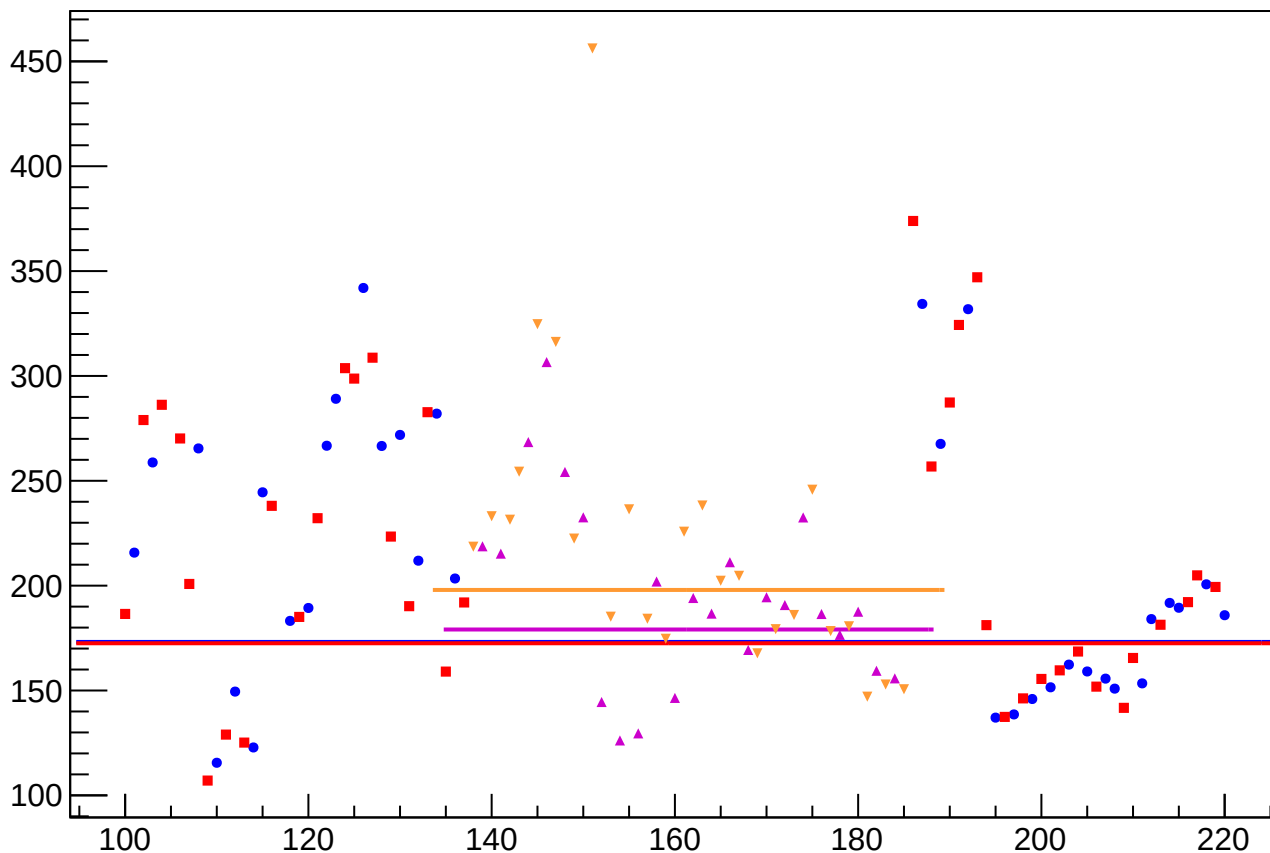
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign -30.049 ± 31.254 χ^2/NDF : 28.2/58

All: 2.700 ± 21.780 χ^2/NDF : 60.1/118

- sign 33.619 ± 30.369 χ^2/NDF : 29.8/59

asym_bcm_an_ds3_rms vs Slug



Right In: 173.158 $\pm$ 0.029 χ^2 /NDF: 2211280.3/33

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 172.525 $\pm$ 0.029 χ^2 /NDF: 2931309.5/36

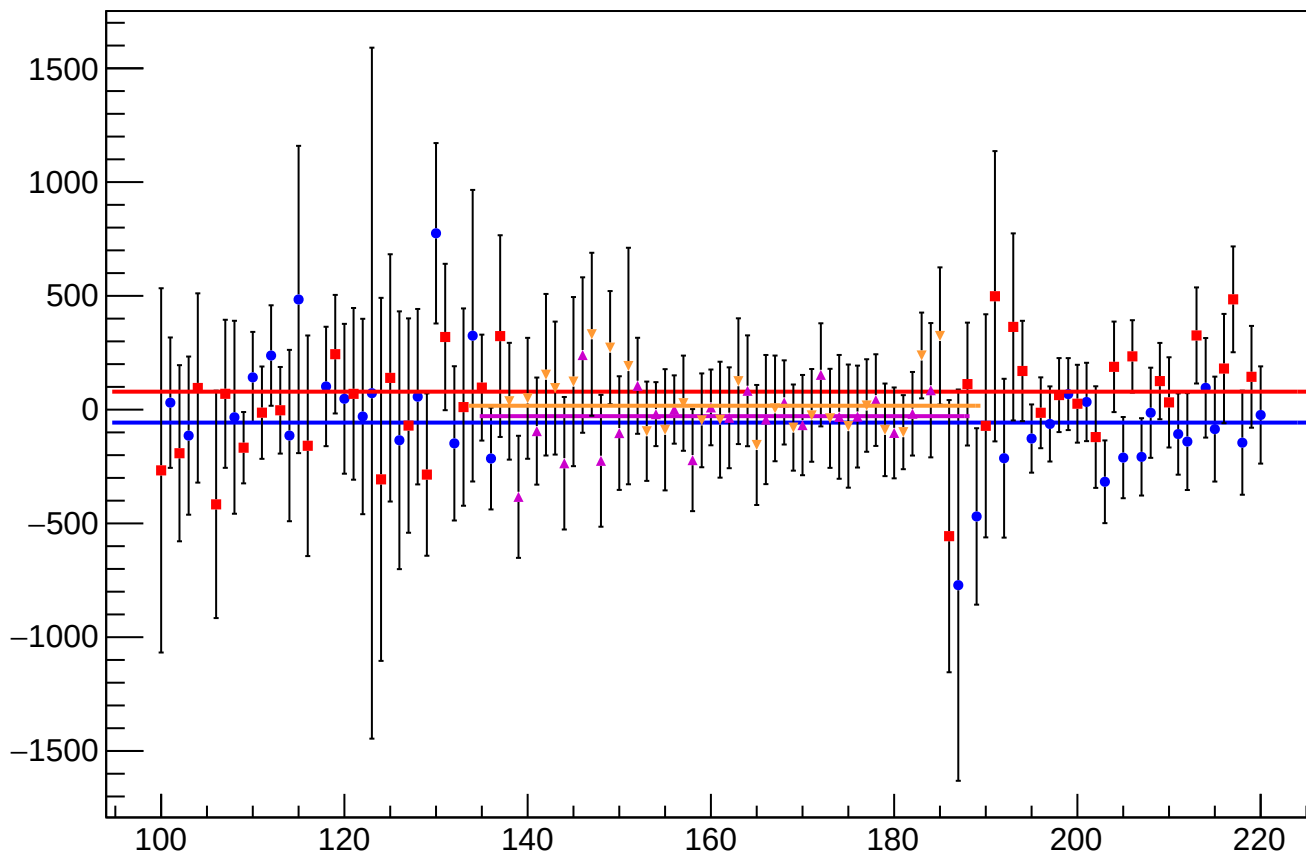
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 183.731 $\pm$ 0.022 χ^2 /NDF: 4293678.7/58

All: 179.506 $\pm$ 0.015 χ^2 /NDF: 8924318.2/118

- sign 175.518 $\pm$ 0.021 χ^2 /NDF: 4559602.5/59

asym_bcm_an_us_mean vs Slug



Right In: -56.921 ± 41.352 χ^2/NDF : 17.2/33

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 78.985 ± 41.205 χ^2/NDF : 17.1/36

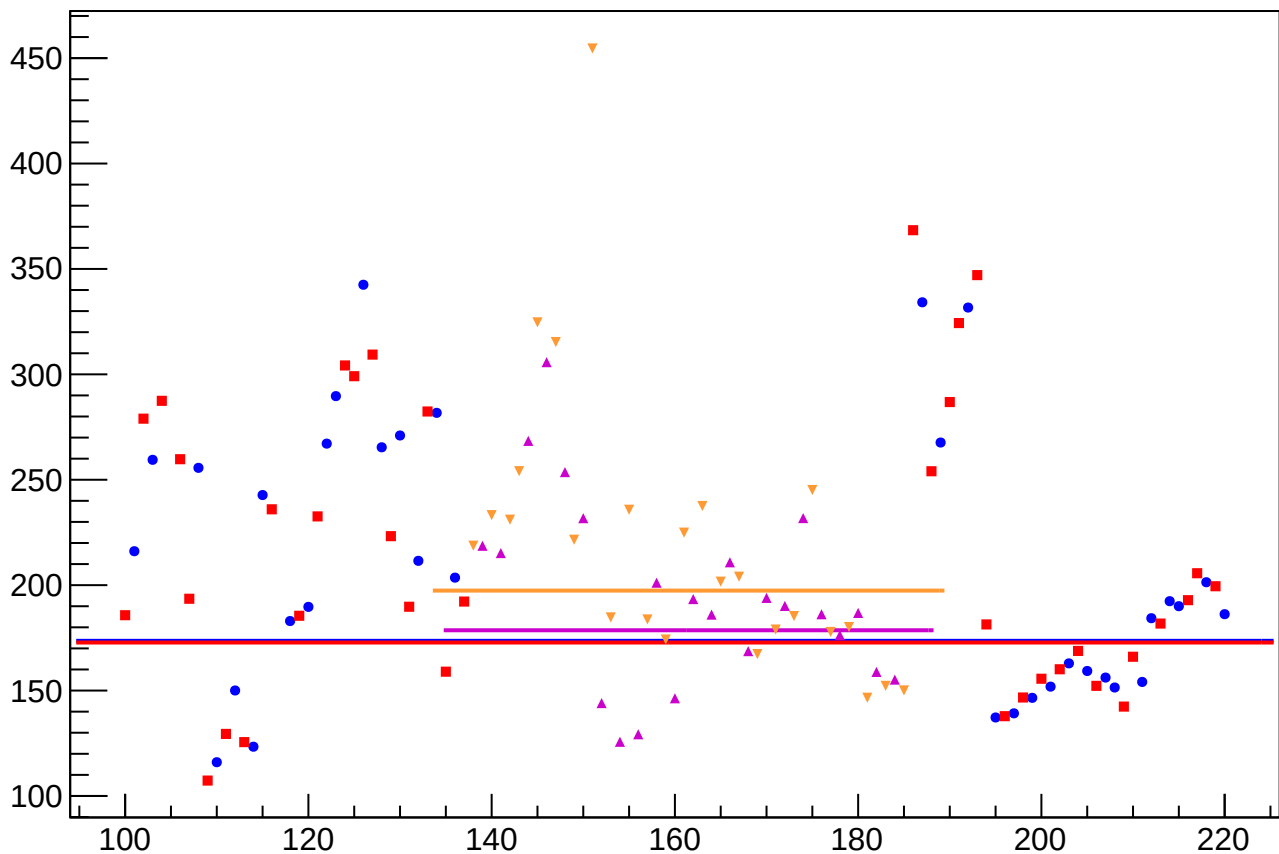
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign -25.171 ± 31.256 χ^2/NDF : 25.6/58

All: 3.089 ± 21.772 χ^2/NDF : 53.5/118

- sign 29.727 ± 30.346 χ^2/NDF : 26.3/59

asym_bcm_an_us_rms vs Slug



Right In: 173.590 $\pm$ 0.029 χ^2 /NDF: 2179252.7/33

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 172.788 $\pm$ 0.029 χ^2 /NDF: 2884904.6/36

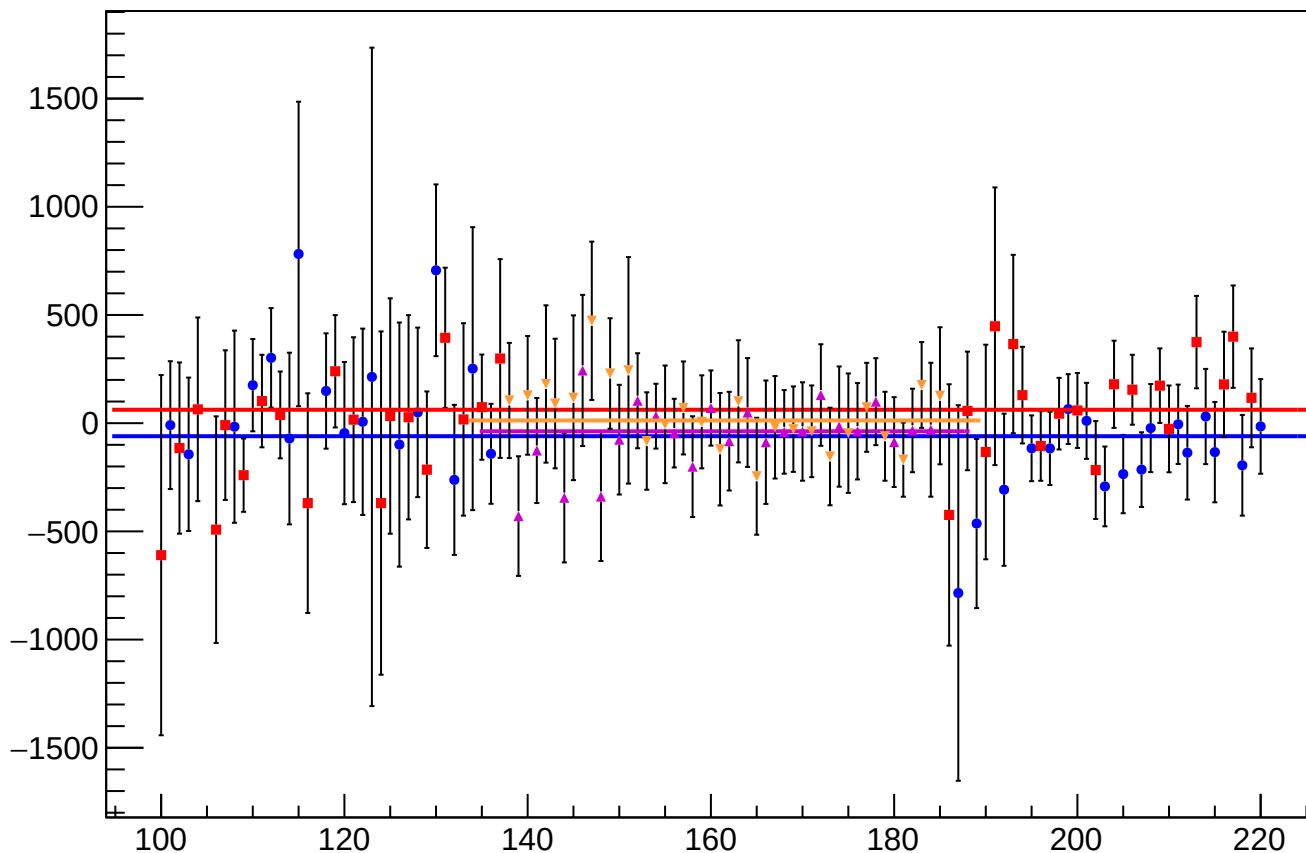
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 183.806 $\pm$ 0.022 χ^2 /NDF: 4244293.4/58

All: 179.504 $\pm$ 0.015 χ^2 /NDF: 8830023.9/118

- sign 175.448 $\pm$ 0.021 χ^2 /NDF: 4512118.2/59

asym_bcm_dg_us_mean vs Slug



Right In: -60.190 ± 42.226 χ^2/NDF : 17.9/33

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 62.037 ± 42.258 χ^2/NDF : 18.8/36

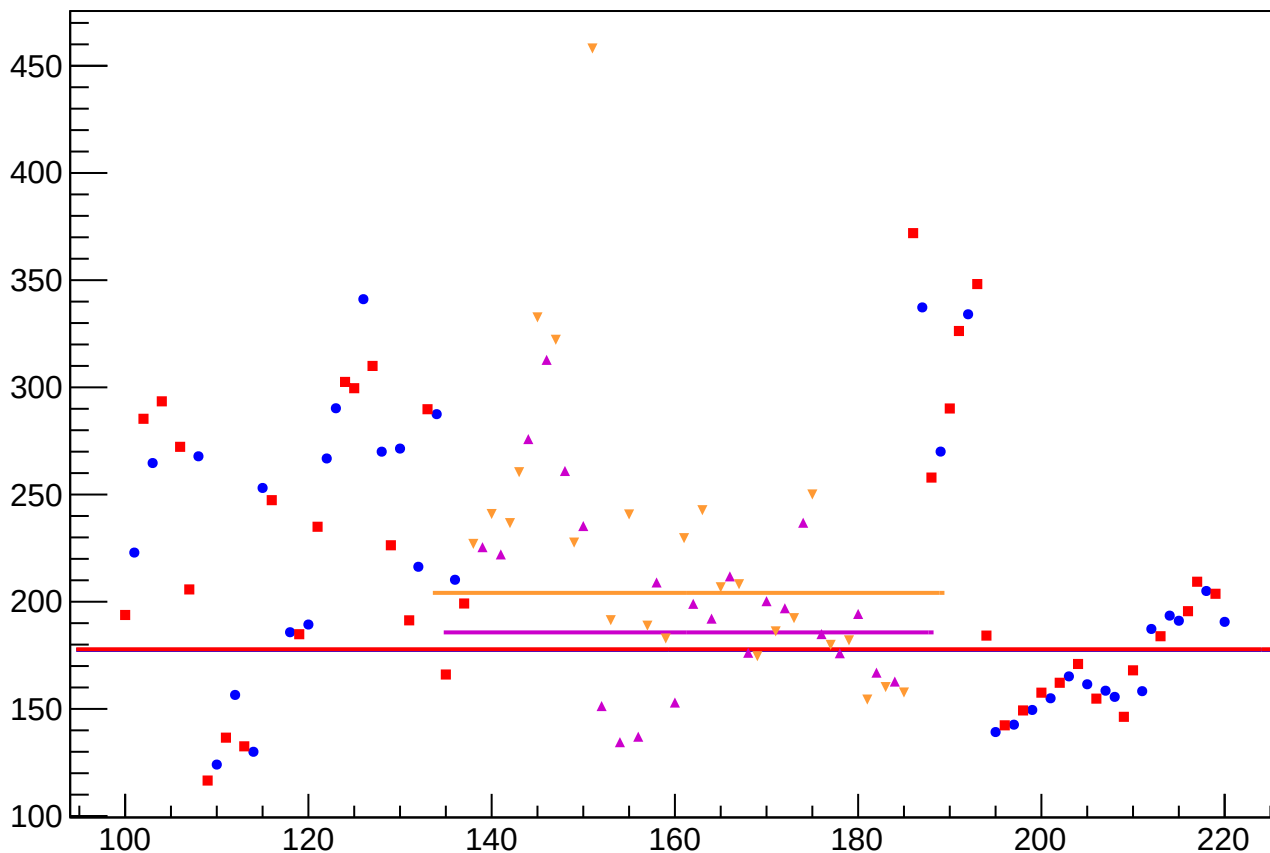
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign -29.332 ± 32.055 χ^2/NDF : 26.7/58

All: -5.584 ± 22.382 χ^2/NDF : 56.8/118

- sign 17.011 ± 31.267 χ^2/NDF : 29.0/59

asym_bcm_dg_us_rms vs Slug



Right In: 177.514 $\pm$ 0.030 χ^2 /NDF: 2092986.3/33

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 177.808 $\pm$ 0.030 χ^2 /NDF: 2691075.2/36

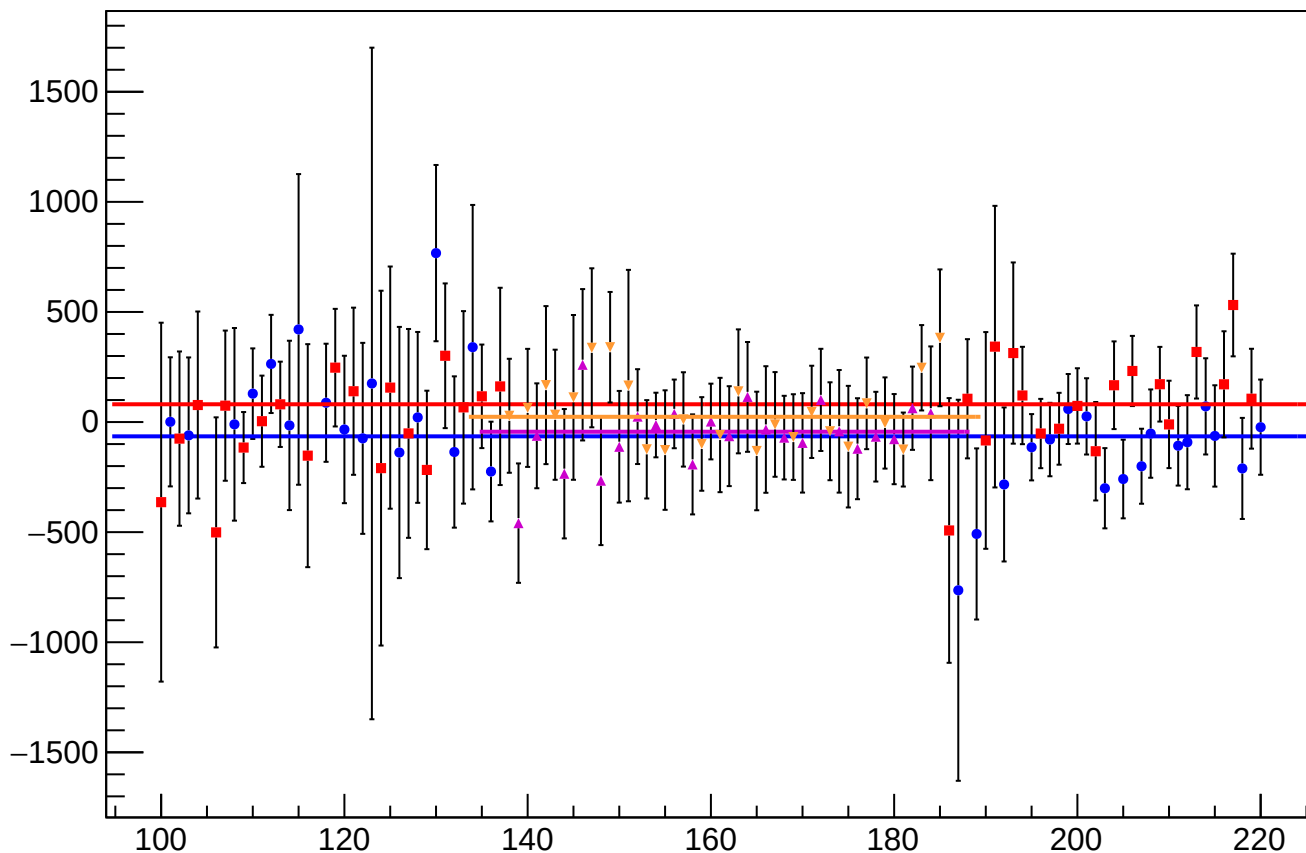
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 188.793 $\pm$ 0.023 χ^2 /NDF: 4102038.9/58

All: 184.993 $\pm$ 0.016 χ^2 /NDF: 8327254.2/118

- sign 181.377 $\pm$ 0.022 χ^2 /NDF: 4170356.0/59

asym_bcm_dg_ds_mean vs Slug



Right In: -64.914 ± 41.709 χ^2/NDF : 17.0/33

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 80.774 ± 41.627 χ^2/NDF : 15.7/36

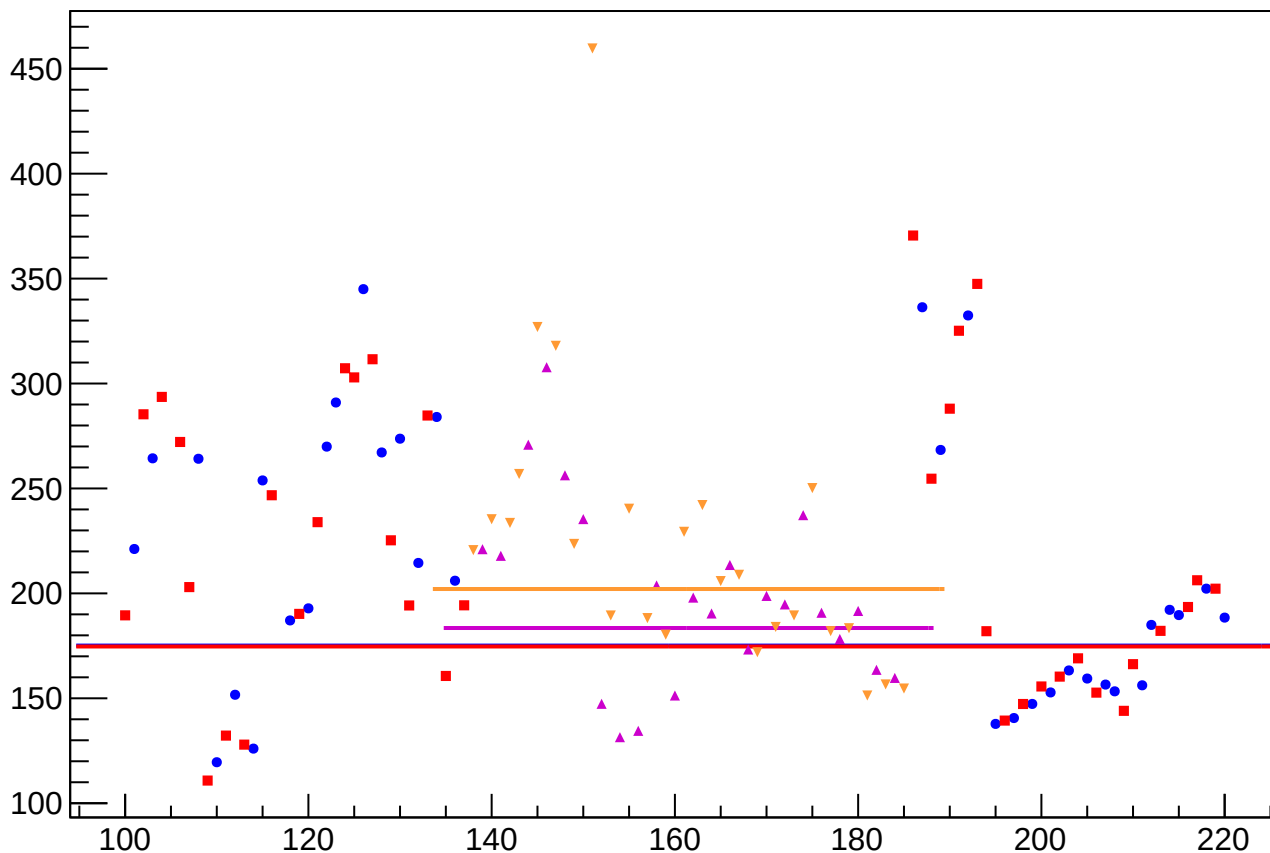
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -27.431 ± 31.701 χ^2/NDF : 27.4/58

All: -0.724 ± 22.113 χ^2/NDF : 55.1/118

- sign 24.583 ± 30.859 χ^2/NDF : 26.3/59

asym_bcm_dg_ds_rms vs Slug



Right In: 175.125 $\pm$ 0.029 χ^2 /NDF: 2178341.9/33

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 174.690 $\pm$ 0.029 χ^2 /NDF: 2859143.0/36

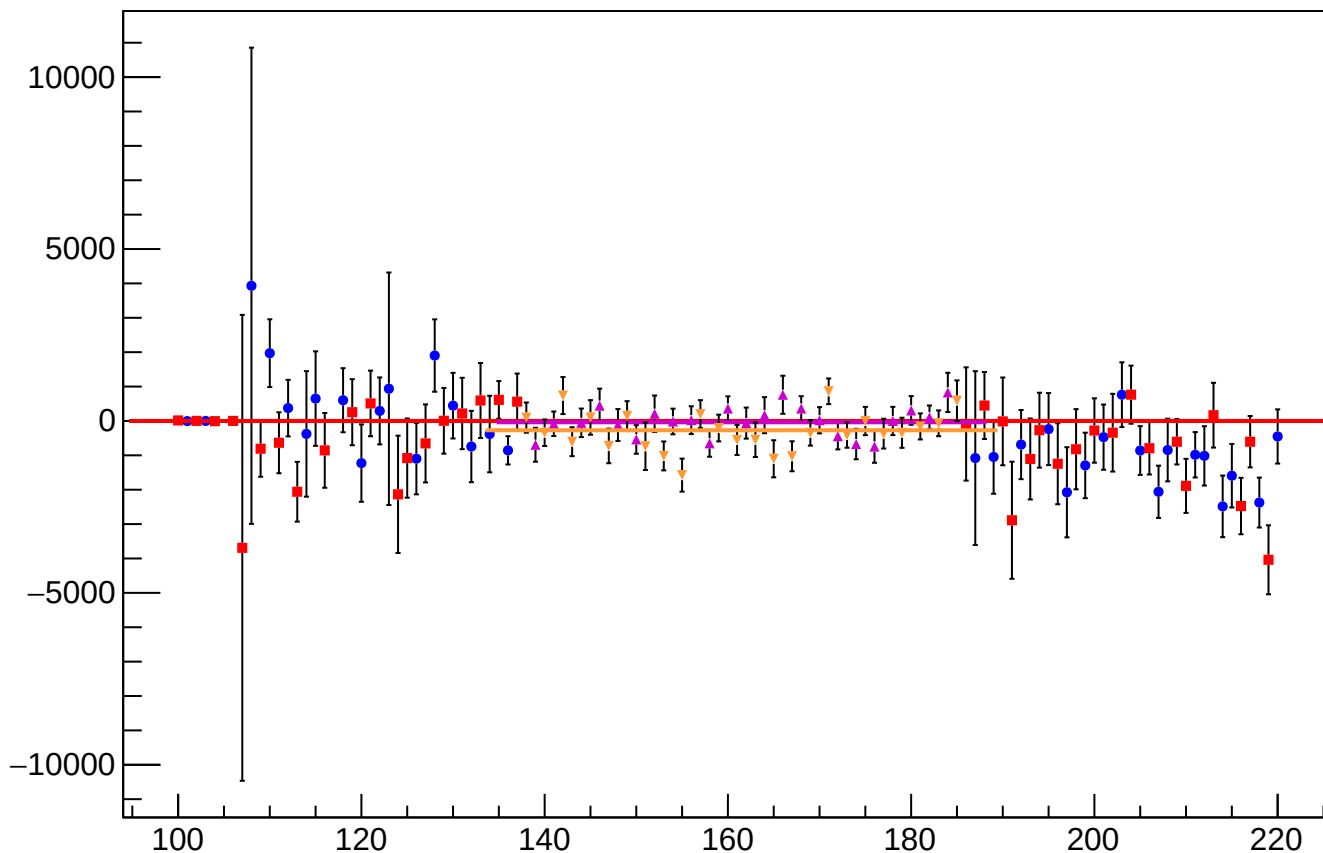
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 186.508 $\pm$ 0.022 χ^2 /NDF: 4223907.0/58

All: 182.477 $\pm$ 0.016 χ^2 /NDF: 8669744.7/118

- sign 178.658 $\pm$ 0.022 χ^2 /NDF: 4382857.5/59

asym_cav4bQ_mean vs Slug



Right In: -1.653 ± 2.251 χ^2/NDF : 59.3/33

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.801 ± 2.111 χ^2/NDF : 59.4/36

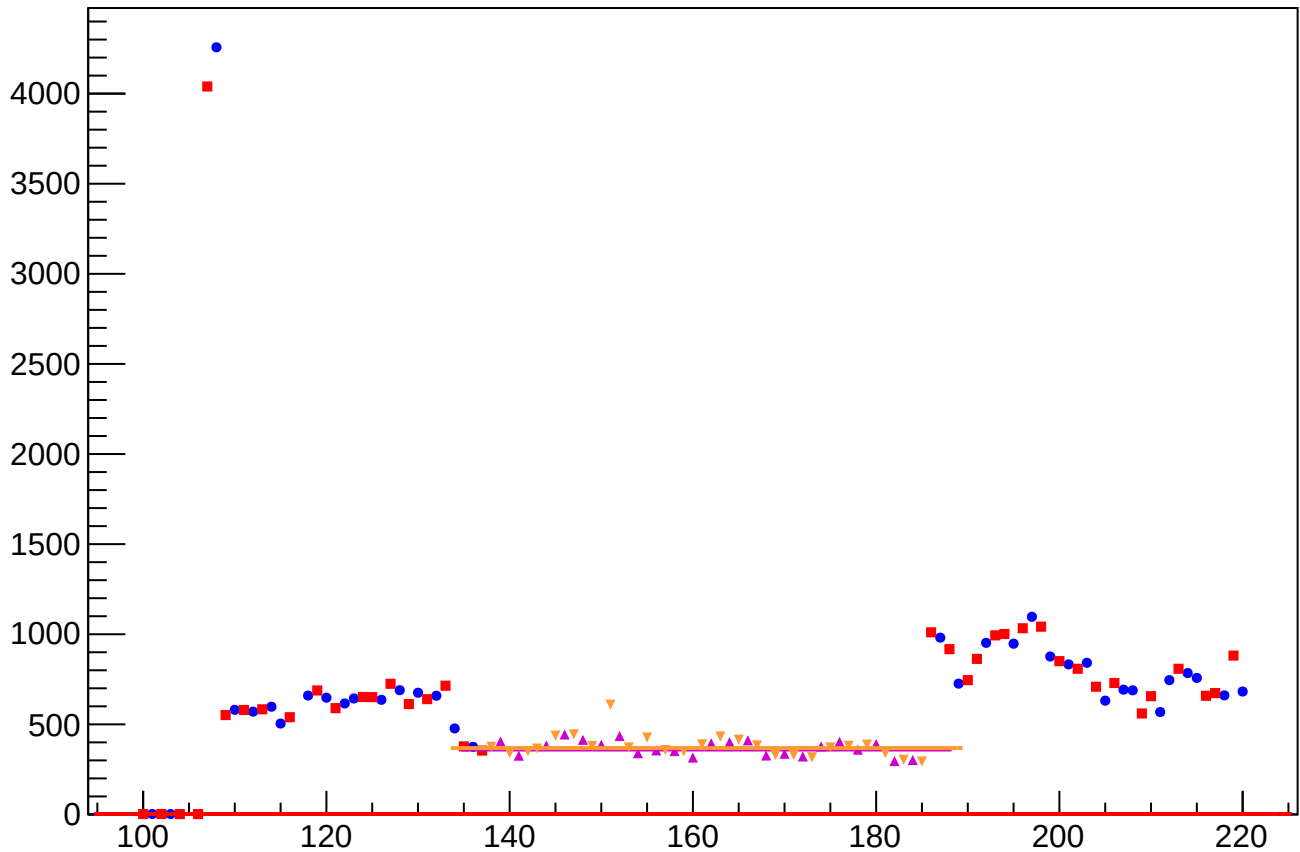
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.833 ± 2.251 χ^2/NDF : 106.9/58

All: -1.296 ± 1.539 χ^2/NDF : 186.9/118

- sign -0.824 ± 2.110 χ^2/NDF : 79.9/59

asym_cav4bQ_rms vs Slug



Right In: 2.537 $\pm$ 0.002 χ^2 /NDF: 34934804.6/33

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF:622466.1/24

Right Out: 2.505 $\pm$ 0.001 χ^2 /NDF: 35585748.3/36

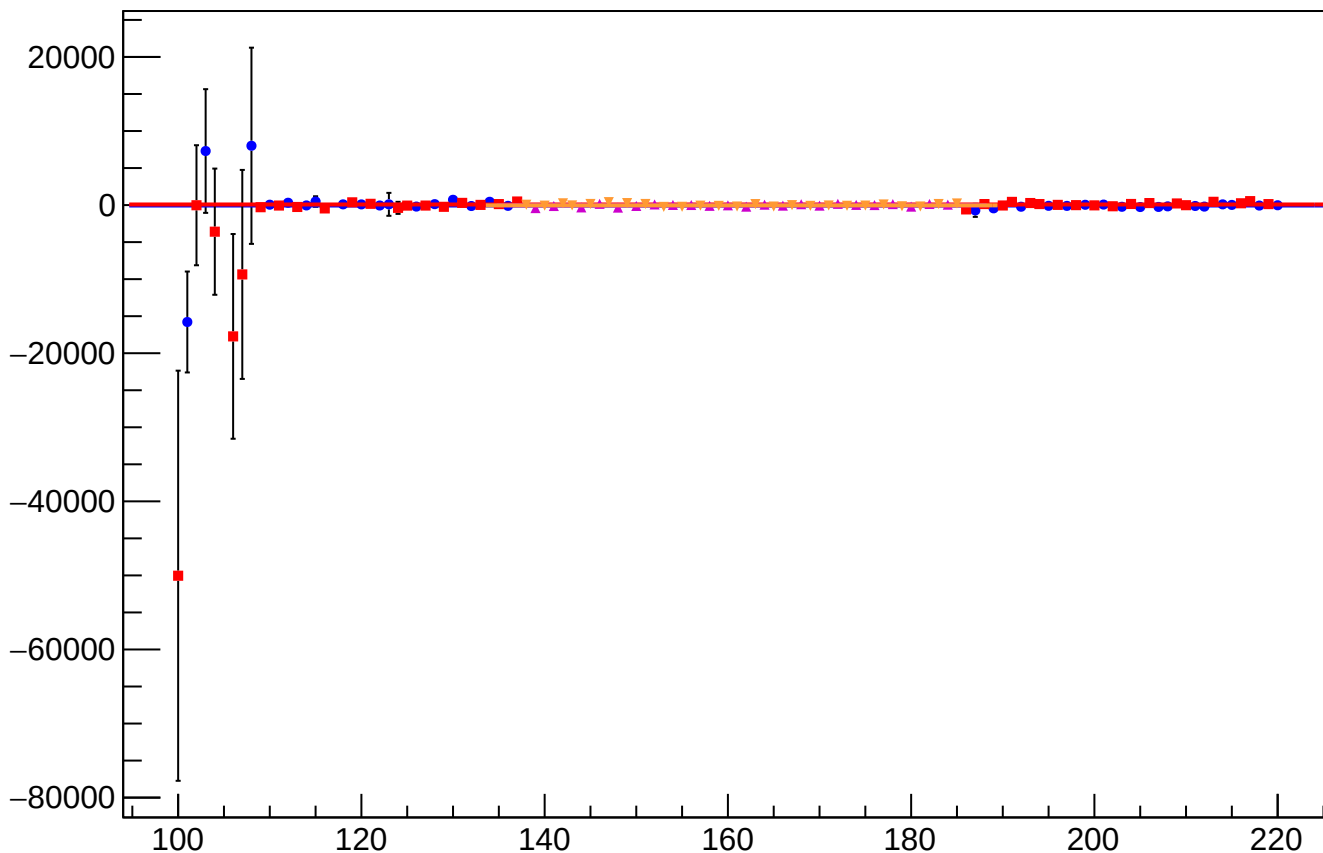
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF:417739.4/22

+ sign 2.782 $\pm$ 0.002 χ^2 /NDF: 70929116.6/58

All: 2.744 $\pm$ 0.001 χ^2 /NDF: 140170803.5/118

- sign 2.712 $\pm$ 0.001 χ^2 /NDF: 69240655.2/59

asym_cav4cQ_mean vs Slug



Right In: -57.376 $\pm$ 45.278 χ^2 /NDF: 22.0/33

Left Out: -38.013 $\pm$ 49.628 χ^2 /NDF: 9.3/24

Right Out: 82.086 $\pm$ 45.849 χ^2 /NDF: 28.4/36

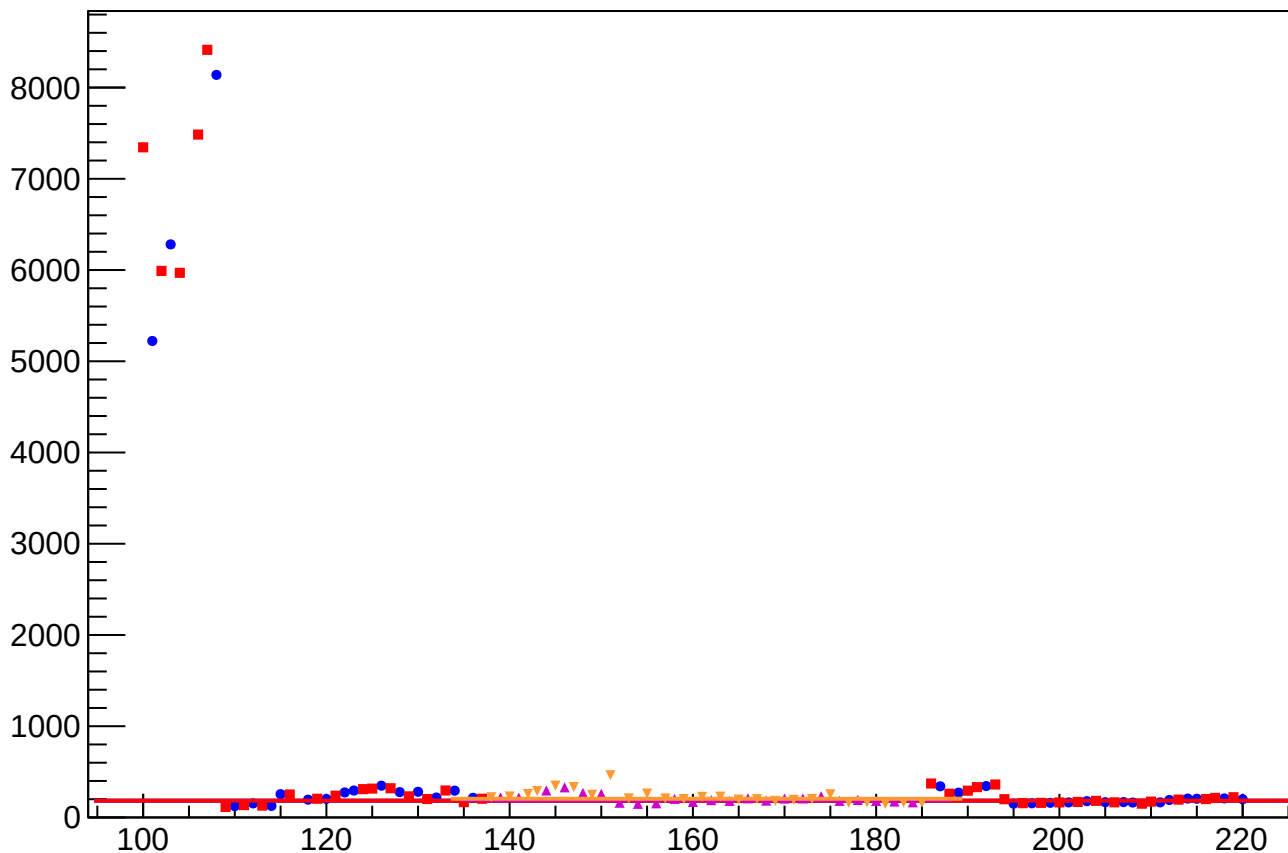
Left In: -28.205 $\pm$ 48.167 χ^2 /NDF: 9.2/22

+ sign -48.580 $\pm$ 33.449 χ^2 /NDF: 31.4/58

All: -9.181 $\pm$ 23.567 χ^2 /NDF: 74.5/118

- sign 29.658 $\pm$ 33.209 χ^2 /NDF: 40.3/59

asym_cav4cQ_rms vs Slug



Right In: 183.658 $\pm$ 0.032 χ^2 /NDF: 4614722.5/33

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 184.311 $\pm$ 0.032 χ^2 /NDF: 5519081.4/36

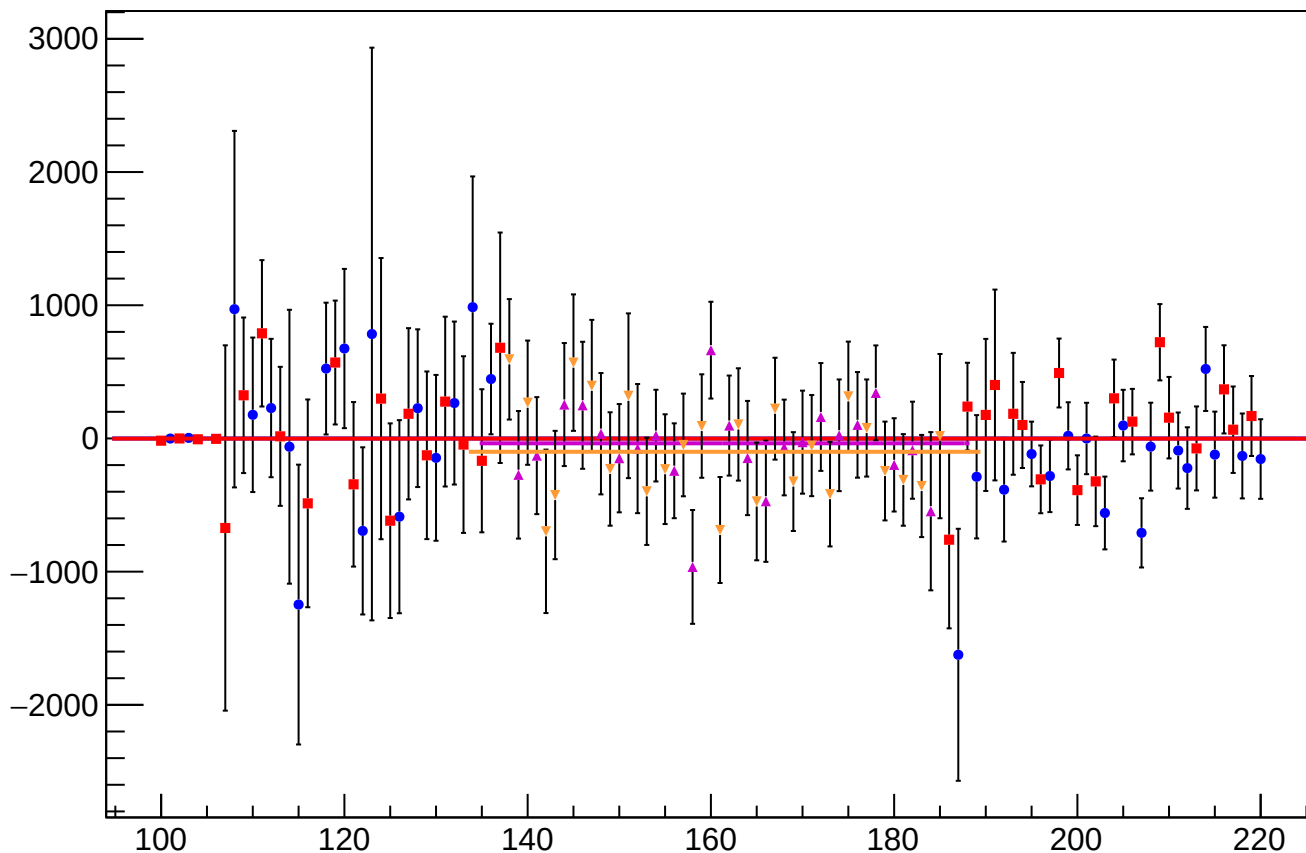
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 193.365 $\pm$ 0.024 χ^2 /NDF: 6773125.4/58

All: 190.983 $\pm$ 0.017 χ^2 /NDF: 13521925.2/11

- sign 188.634 $\pm$ 0.023 χ^2 /NDF: 6728649.5/59

asym_cav4dQ_mean vs Slug



Right In: -0.233 ± 1.736 χ^2/NDF : 31.4/33

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.272 ± 1.622 χ^2/NDF : 29.7/36

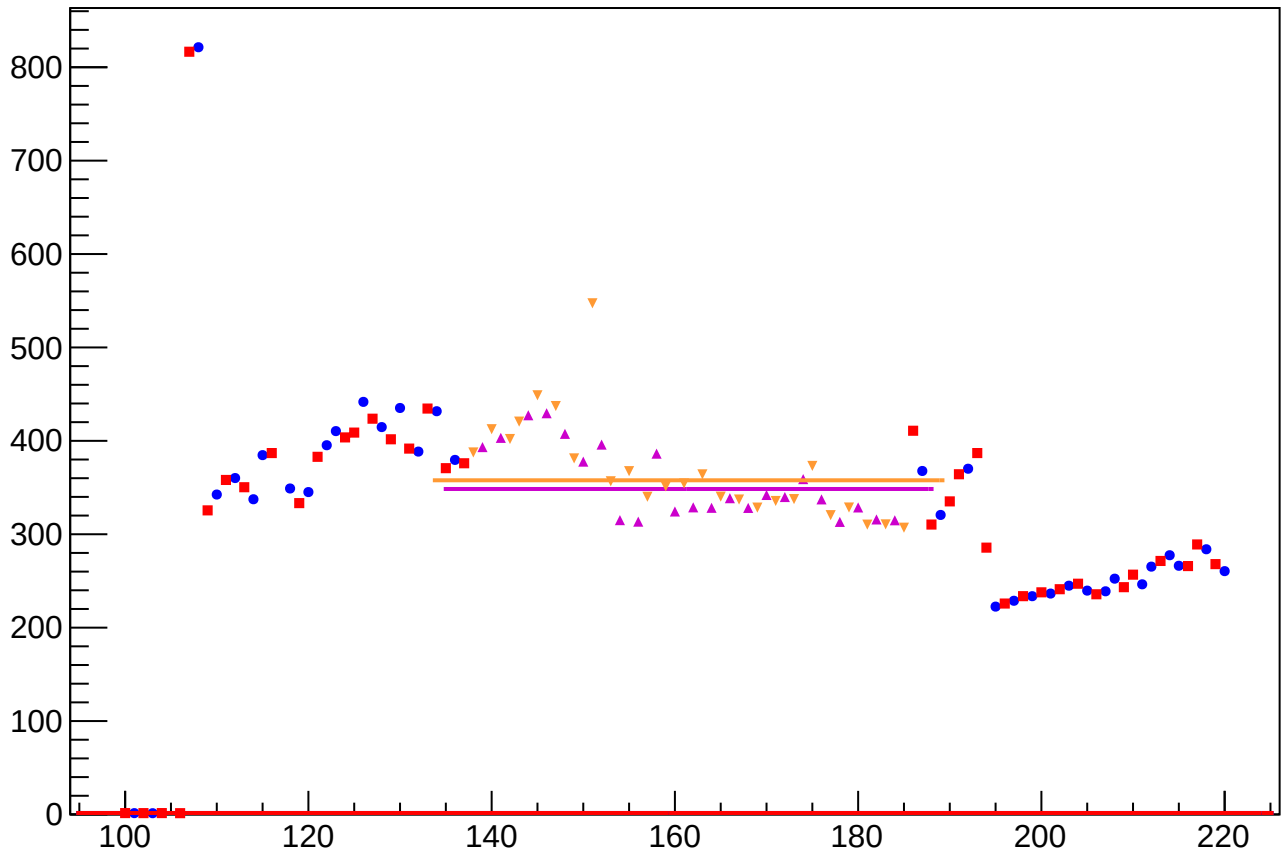
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.275 ± 1.736 χ^2/NDF : 48.5/58

All: -0.814 ± 1.185 χ^2/NDF : 92.1/118

- sign -1.285 ± 1.622 χ^2/NDF : 43.4/59

asym_cav4dQ_rms vs Slug



Right In: 1.595 ± 0.001 $\chi^2/\text{NDF}: 35148978.4/33$

Left Out: 357.771 ± 0.060 $\chi^2/\text{NDF}: 547124.8/24$

Right Out: 1.572 ± 0.001 $\chi^2/\text{NDF}: 35287544.7/36$

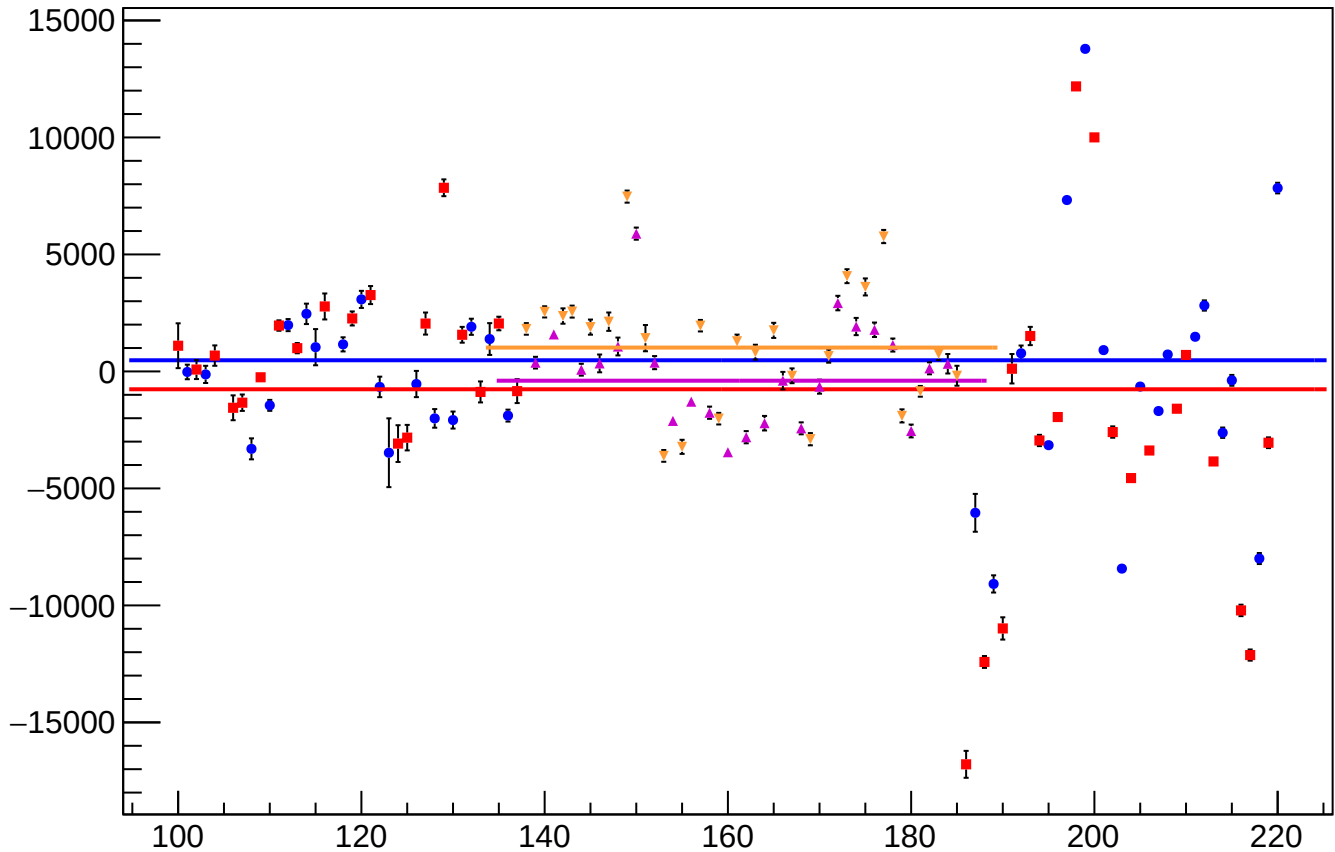
Left In: 348.464 ± 0.060 $\chi^2/\text{NDF}: 360425.7/22$

+ sign 1.747 ± 0.001 $\chi^2/\text{NDF}: 71477387.3/58$

All: 1.721 ± 0.001 $\chi^2/\text{NDF}: 140680368.3/118$

- sign 1.699 ± 0.001 $\chi^2/\text{NDF}: 69202174.4/59$

asym_bcm0l02_mean vs Slug



Right In: 476.704 $\pm$ 44.841 χ^2 /NDF: 13513.7/33

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF:2310.1/24

Right Out: -763.132 $\pm$ 44.580 χ^2 /NDF: 17903.7/36

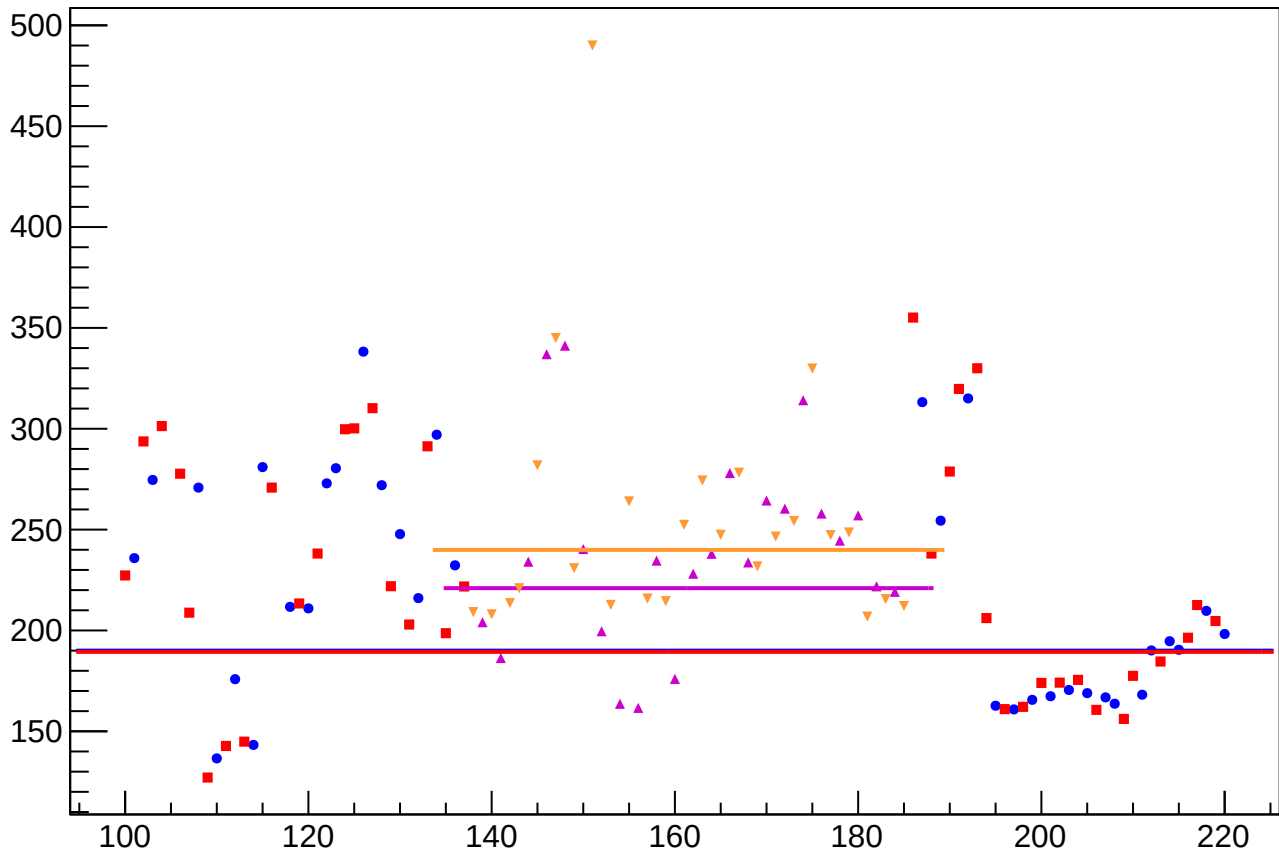
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF:1581.0/22

+ sign 682.206 $\pm$ 35.337 χ^2 /NDF: 15879.2/58

All: 19.382 $\pm$ 24.742 χ^2 /NDF: 36080.8/118

- sign -618.095 $\pm$ 34.655 χ^2 /NDF: 19511.4/59

asym_bcm0l02_rms vs Slug



Right In: 189.991 ± 0.032 χ^2/NDF : 1564993.2/33

Left Out: 239.942 ± 0.041 χ^2/NDF : 1000770.0/24

Right Out: 189.387 ± 0.032 χ^2/NDF : 2154007.4/36

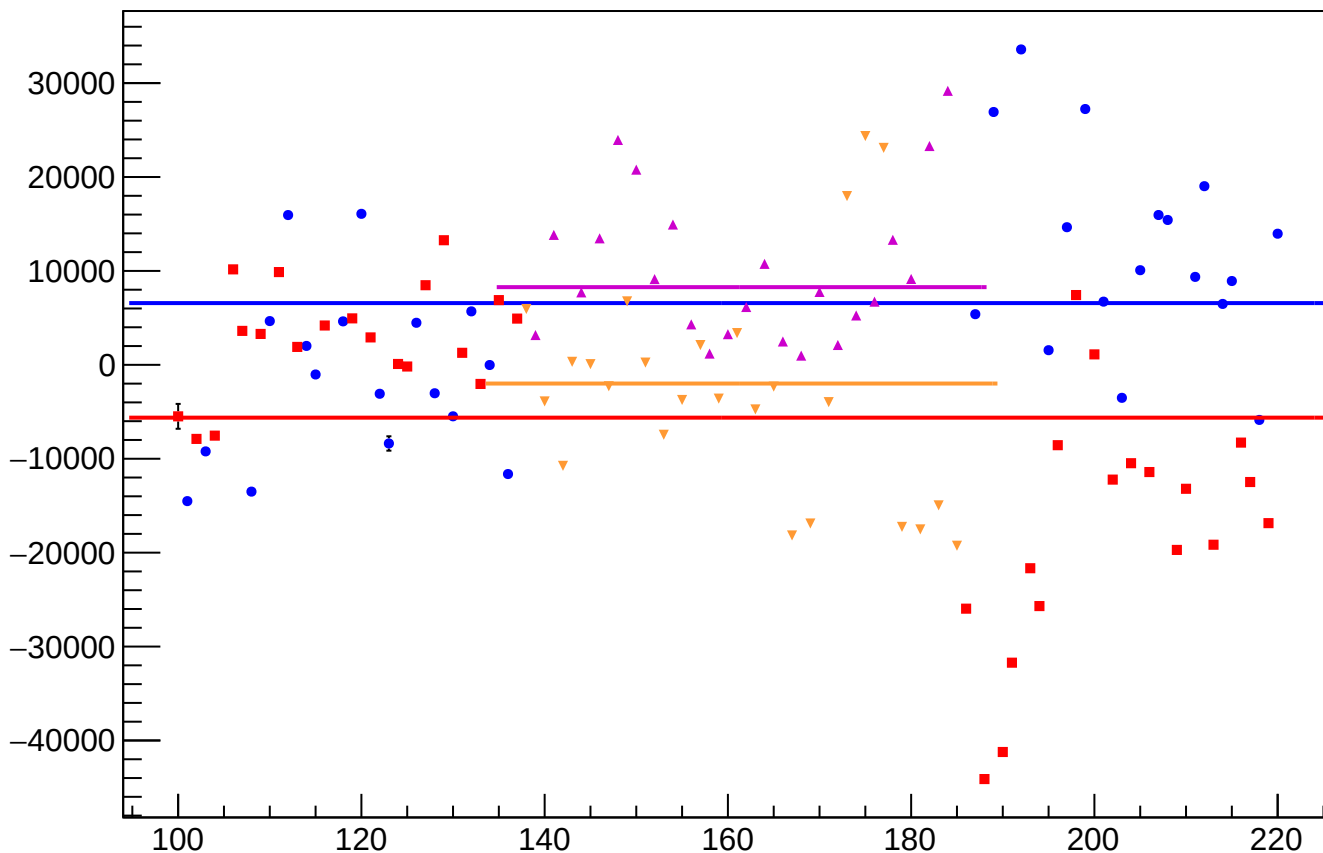
Left In: 220.972 ± 0.039 χ^2/NDF : 1327680.6/22

+ sign 208.921 ± 0.025 χ^2/NDF : 3506296.5/58

All: 205.334 ± 0.017 χ^2/NDF : 7425667.3/118

- sign 201.885 ± 0.025 χ^2/NDF : 3878956.8/59

asym_bpm0i02WS_mean vs Slug



Right In: 6574.996 $\pm$ 38.727 χ^2 /NDF: 96925.9/33

Left Out: -1991.788 $\pm$ 42.427 χ^2 /NDF: 63766.6/24

Right Out: -5624.144 $\pm$ 37.551 χ^2 /NDF: 146871.1/36

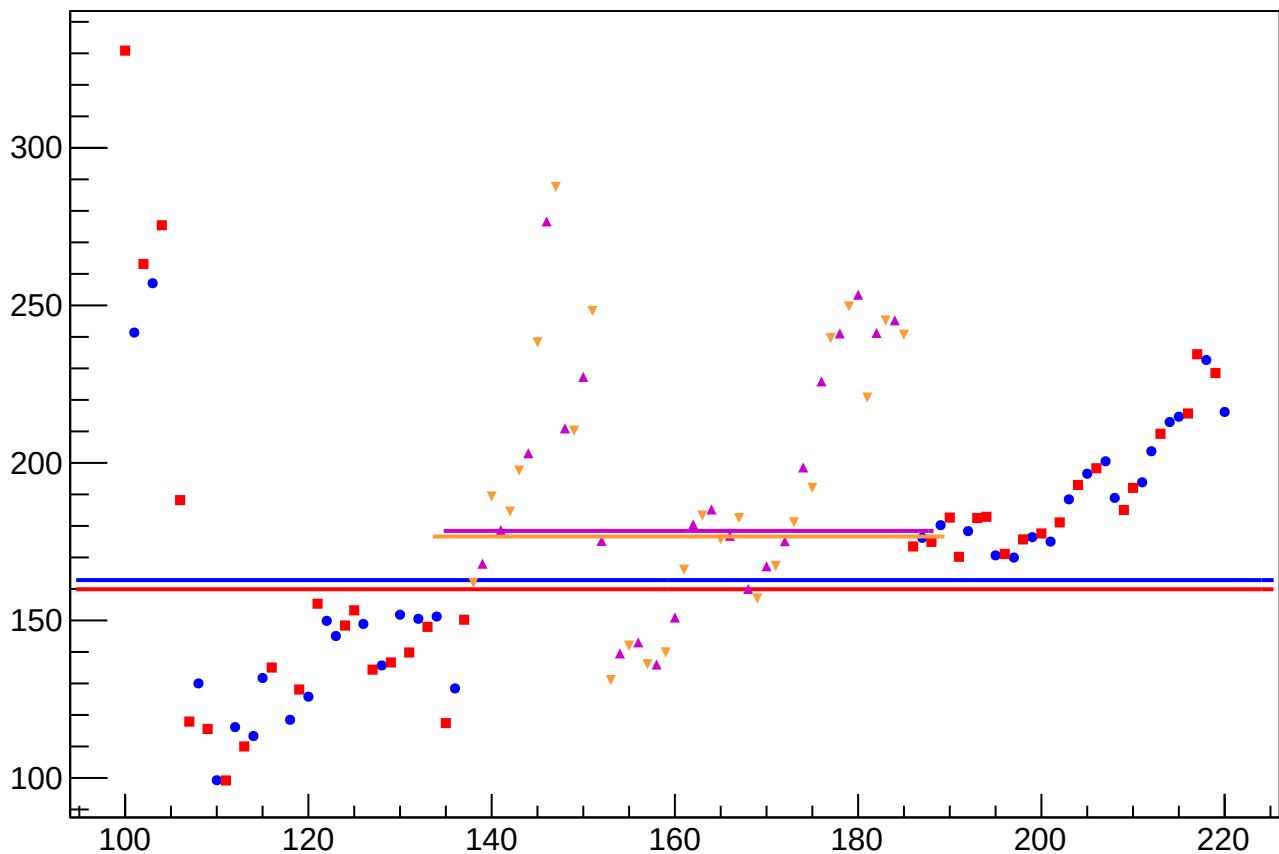
Left In: 8273.228 $\pm$ 44.301 χ^2 /NDF: 22870.2/22

+ sign 2681.399 $\pm$ 28.603 χ^2 /NDF: 182933.4/58

All: 1435.692 $\pm$ 20.240 χ^2 /NDF: 413738.6/11

- sign 186.272 $\pm$ 28.645 χ^2 /NDF: 227006.0/59

asym_bpm0i02WS_rms vs Slug



Right In: 162.807 $\pm$ 0.027 χ^2 /NDF: 1872267.7/33

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 159.906 $\pm$ 0.027 χ^2 /NDF: 2145050.8/36

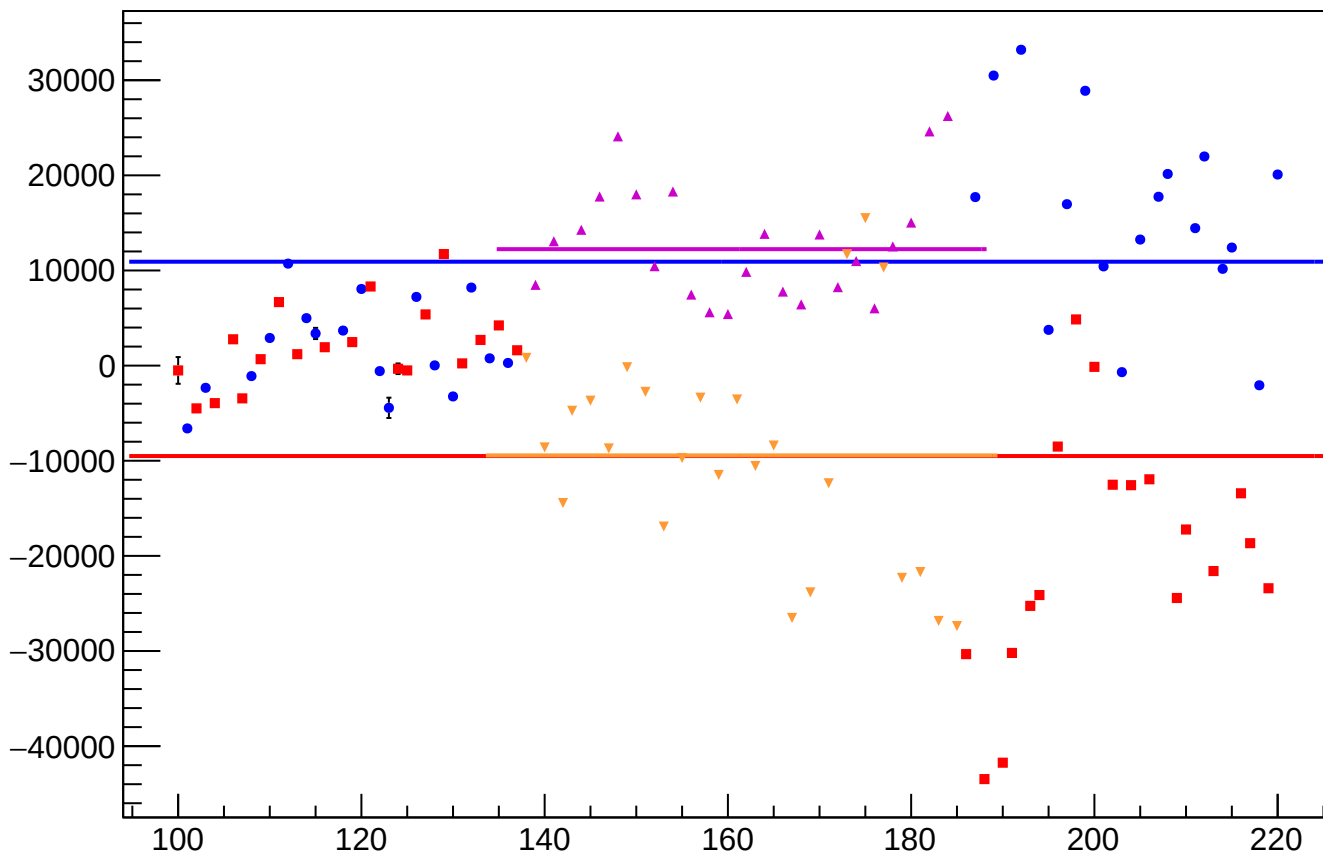
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 169.094 $\pm$ 0.020 χ^2 /NDF: 3539311.5/58

All: 168.370 $\pm$ 0.014 χ^2 /NDF: 7183782.9/118

- sign 167.644 $\pm$ 0.020 χ^2 /NDF: 3641903.3/59

asym_bpm0i02aWS_mean vs Slug



Right In: 10921.947 $\pm$ 42.381 χ^2 /NDF: 58964.7/33

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF: 62220.4/24

Right Out: -9506.011 $\pm$ 41.283 χ^2 /NDF: 120349.6/36

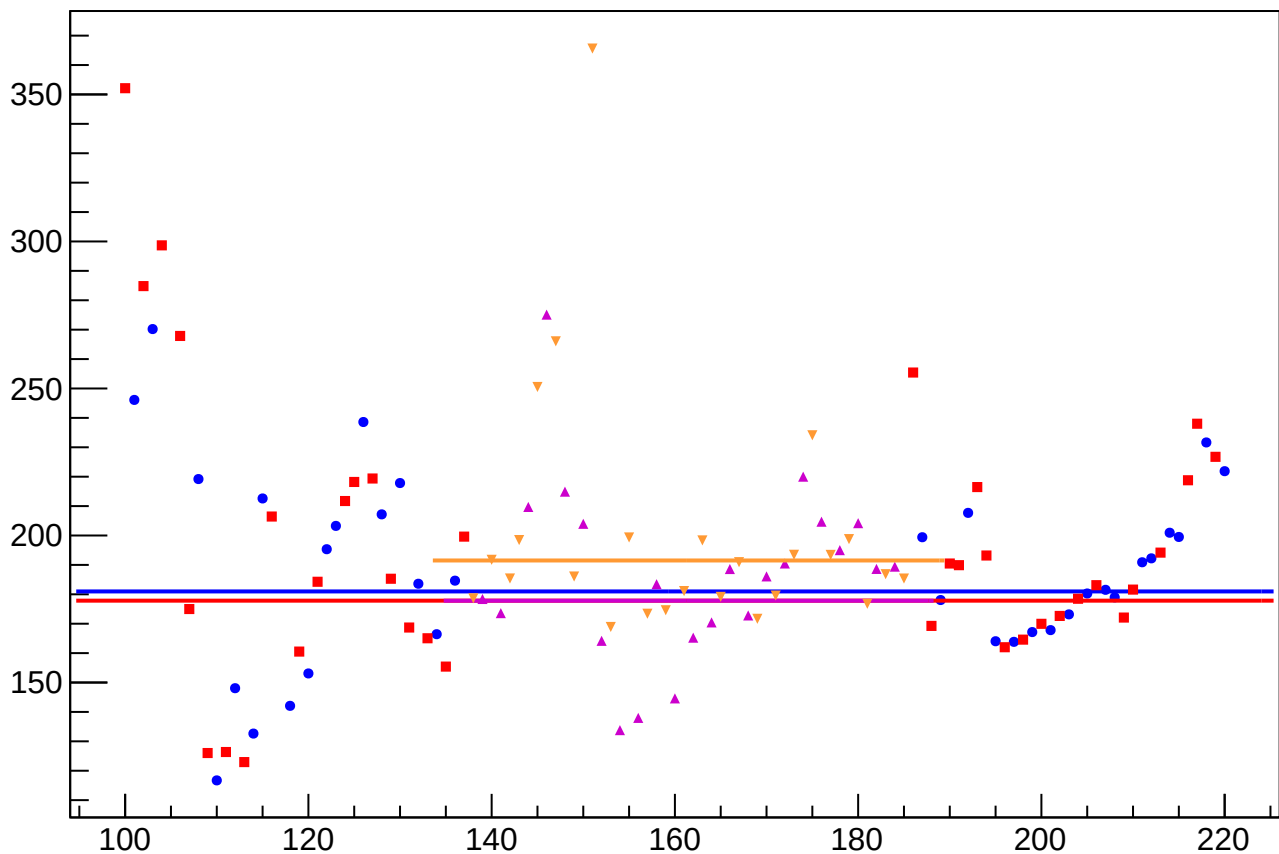
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF: 16615.8/22

+ sign 1471.465 $\pm$ 31.023 χ^2 /NDF: 228303.9/58

All: 1068.574 $\pm$ 21.599 χ^2 /NDF: 495702.6/11

- sign 689.593 $\pm$ 30.088 χ^2 /NDF: 267071.4/59

asym_bpm0i02aWS_rms vs Slug



Right In: 180.978+/-0.030 χ^2/NDF : 953796.8/33

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 177.840+/-0.029 χ^2/NDF : 1388827.0/36

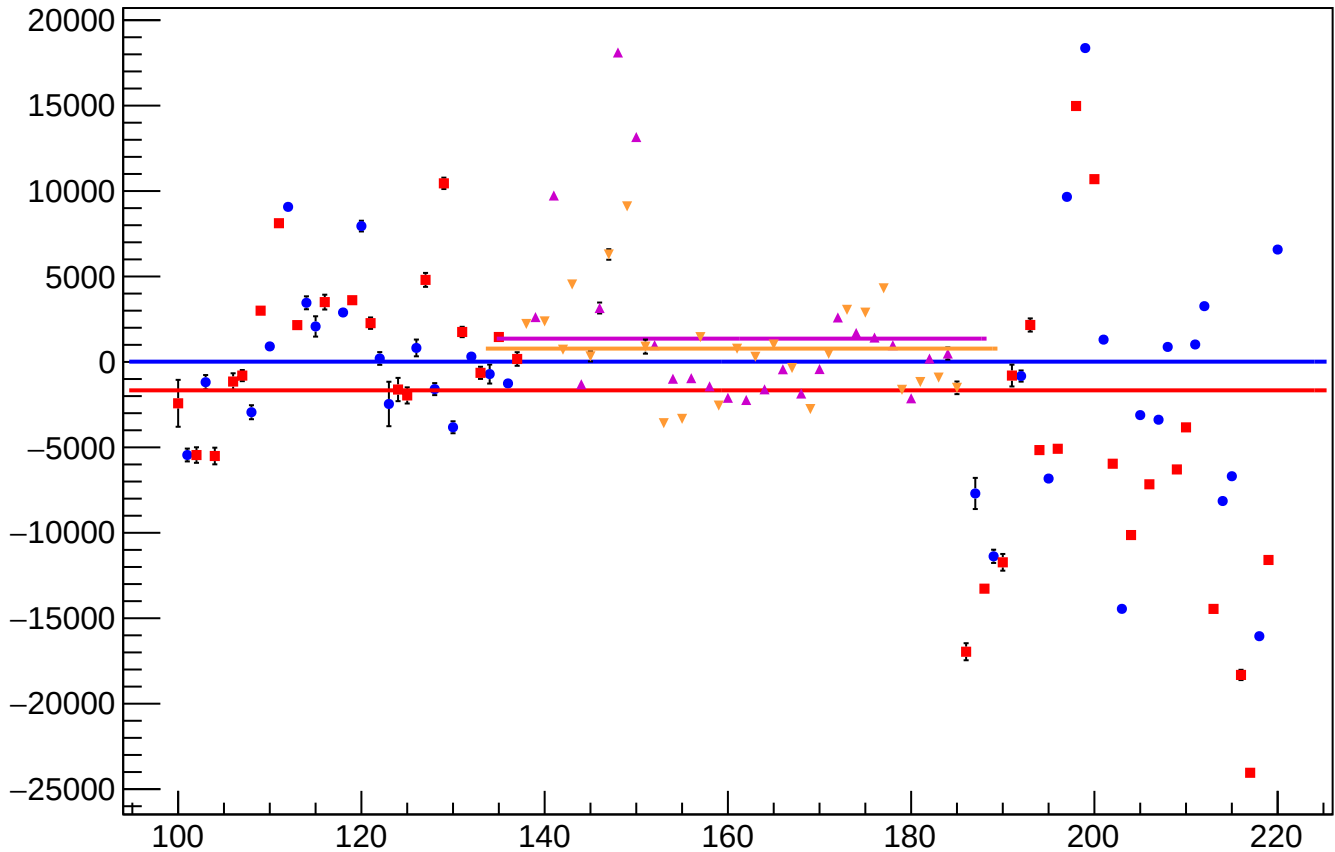
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 185.866+/-0.022 χ^2/NDF : 1738340.0/58

All: 181.726+/-0.015 χ^2/NDF : 4058777.3/118

- sign 177.832+/-0.021 χ^2/NDF : 2251321.5/59

asym_bpm0i05WS_mean vs Slug



Right In: 15.878 ± 47.416 χ^2/NDF : 26067.8/33

Left Out: 779.983 ± 47.457 χ^2/NDF : 4260.8/24

Right Out: -1663.290 ± 46.406 χ^2/NDF : 35770.8/36

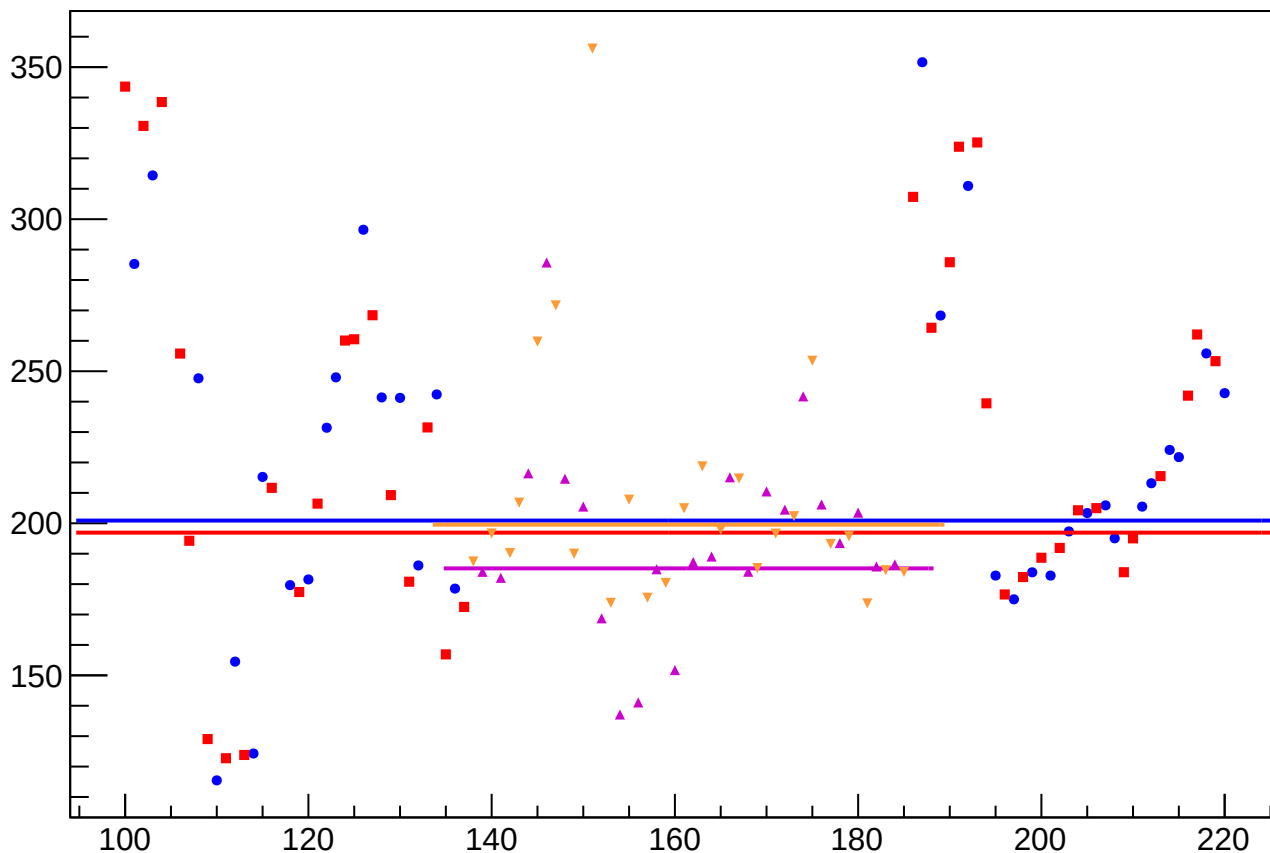
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 397.594 ± 33.543 χ^2/NDF : 30458.3/58

All: 126.044 ± 23.378 χ^2/NDF : 80143.4/118

- sign -130.457 ± 32.600 χ^2/NDF : 49557.7/59

asym_bpm0i05WS_rms vs Slug



Right In: 200.894 $\pm$ 0.034 χ^2 /NDF: 1594403.0/33

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

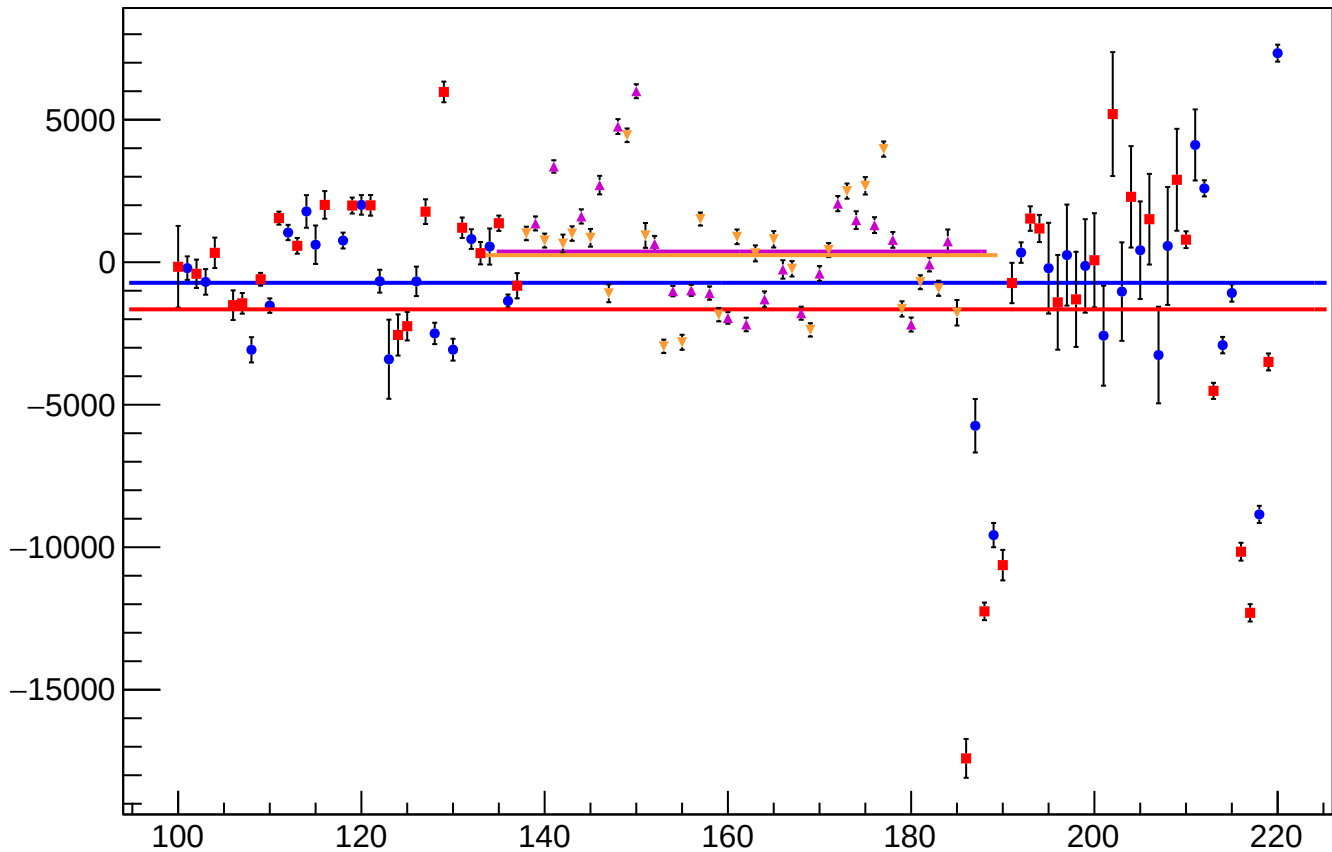
Right Out: 196.925 $\pm$ 0.033 χ^2 /NDF: 2402441.1/36

Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 200.221 $\pm$ 0.024 χ^2 /NDF: 2324566.2/58

All: 195.465 $\pm$ 0.017 χ^2 /NDF: 5752965.1/118

- sign 190.972 $\pm$ 0.023 χ^2 /NDF: 3350191.4/59



Right In: -722.440 ± 70.348 χ^2/NDF : 2432.6/33

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -1653.608 ± 65.299 χ^2/NDF : 5640.1/36

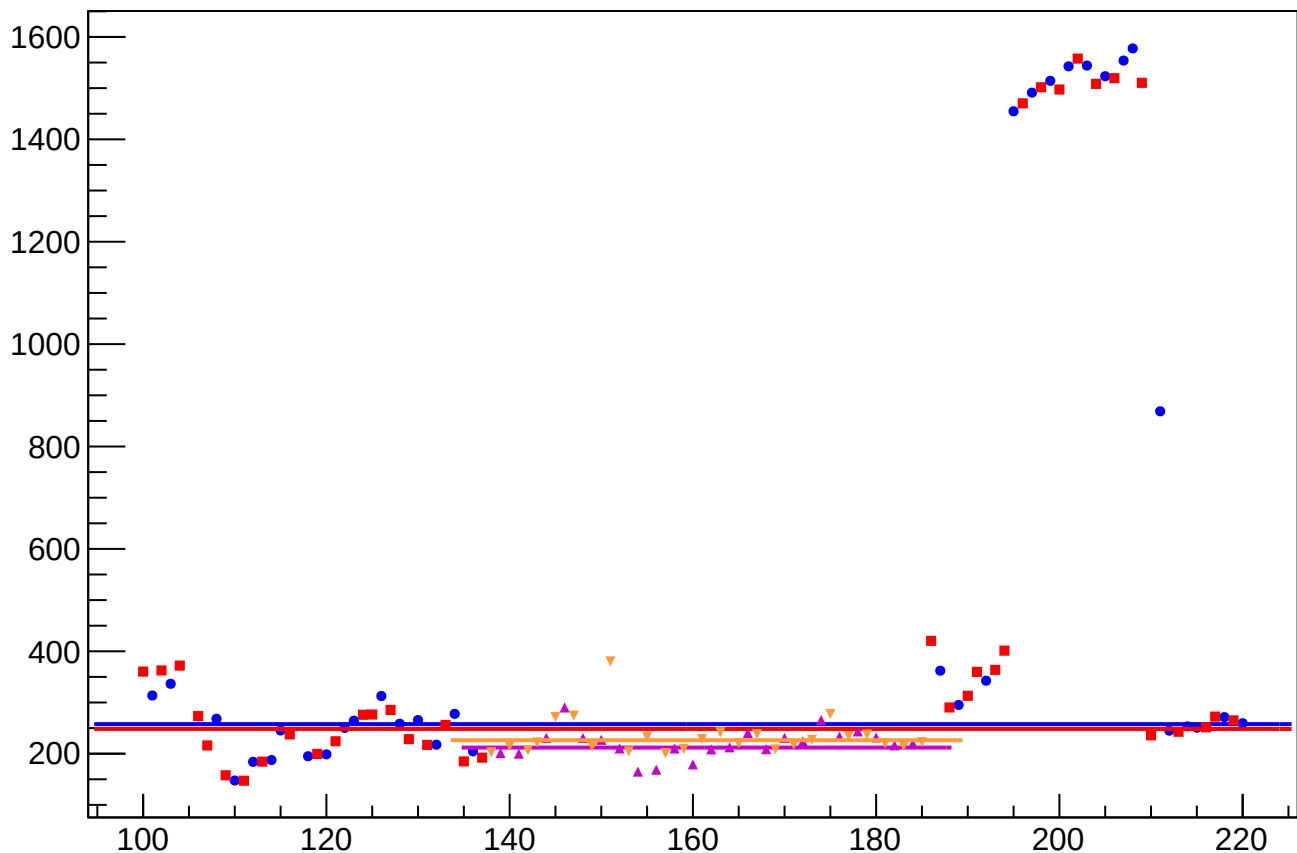
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -108.166 ± 42.612 χ^2/NDF : 3908.2/58

All: -267.924 ± 29.432 χ^2/NDF : 11965.8/118

- sign -413.676 ± 40.701 χ^2/NDF : 8030.8/59

asym_bpm0i07WS_rms vs Slug



Right In: 257.777 $\pm$ 0.050 χ^2 /NDF: 10151450.0/33

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 248.287 $\pm$ 0.046 χ^2 /NDF: 9294733.7/36

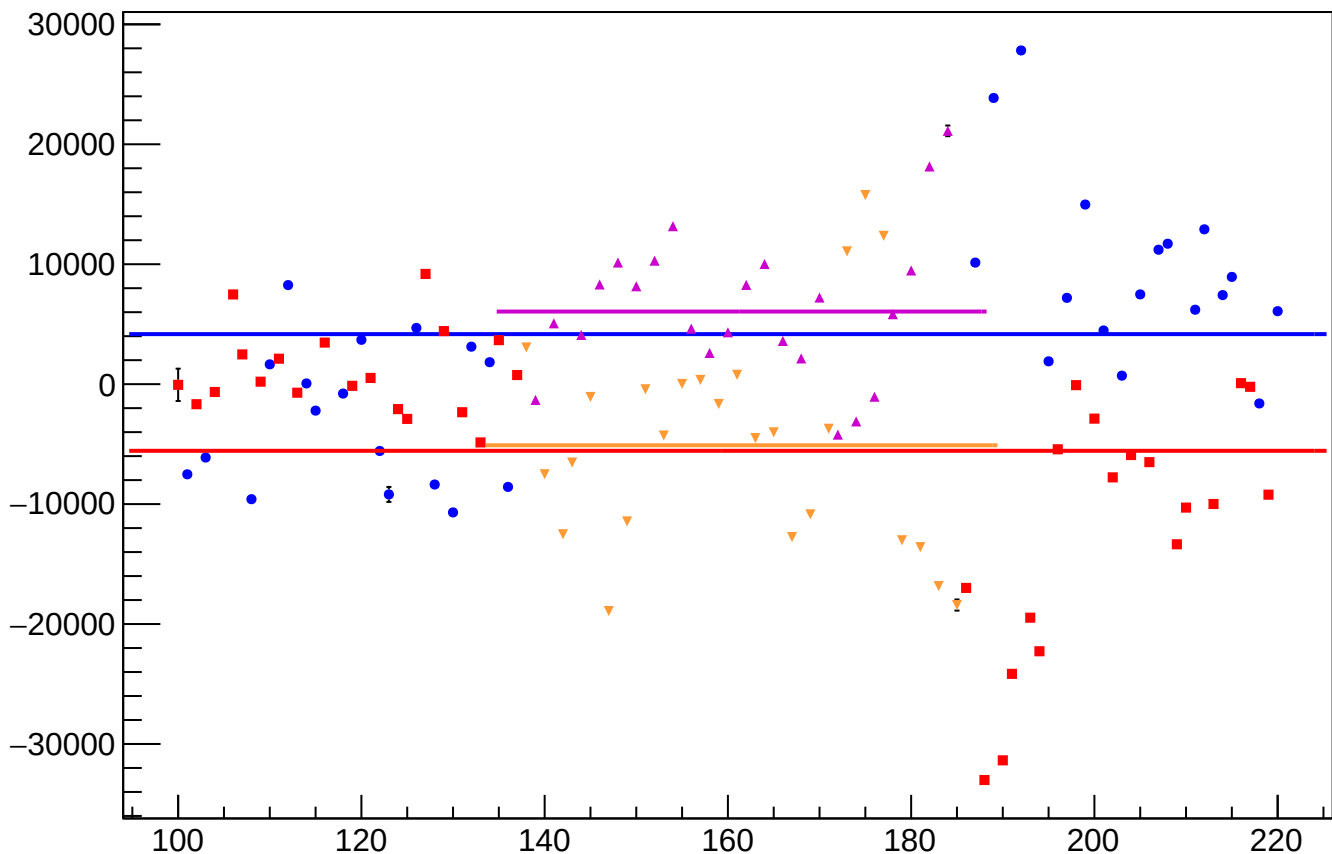
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 237.863 $\pm$ 0.030 χ^2 /NDF: 10925645.9/58

All: 231.701 $\pm$ 0.021 χ^2 /NDF: 21262981.4/11

- sign 226.080 $\pm$ 0.029 χ^2 /NDF: 10257358.7/59

asym_bpm1i02WS_mean vs Slug



Right In: 4170.869+/-32.932 χ^2/NDF : 80876.8/33

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5557.266+/-31.715 χ^2/NDF : 105365.4/36

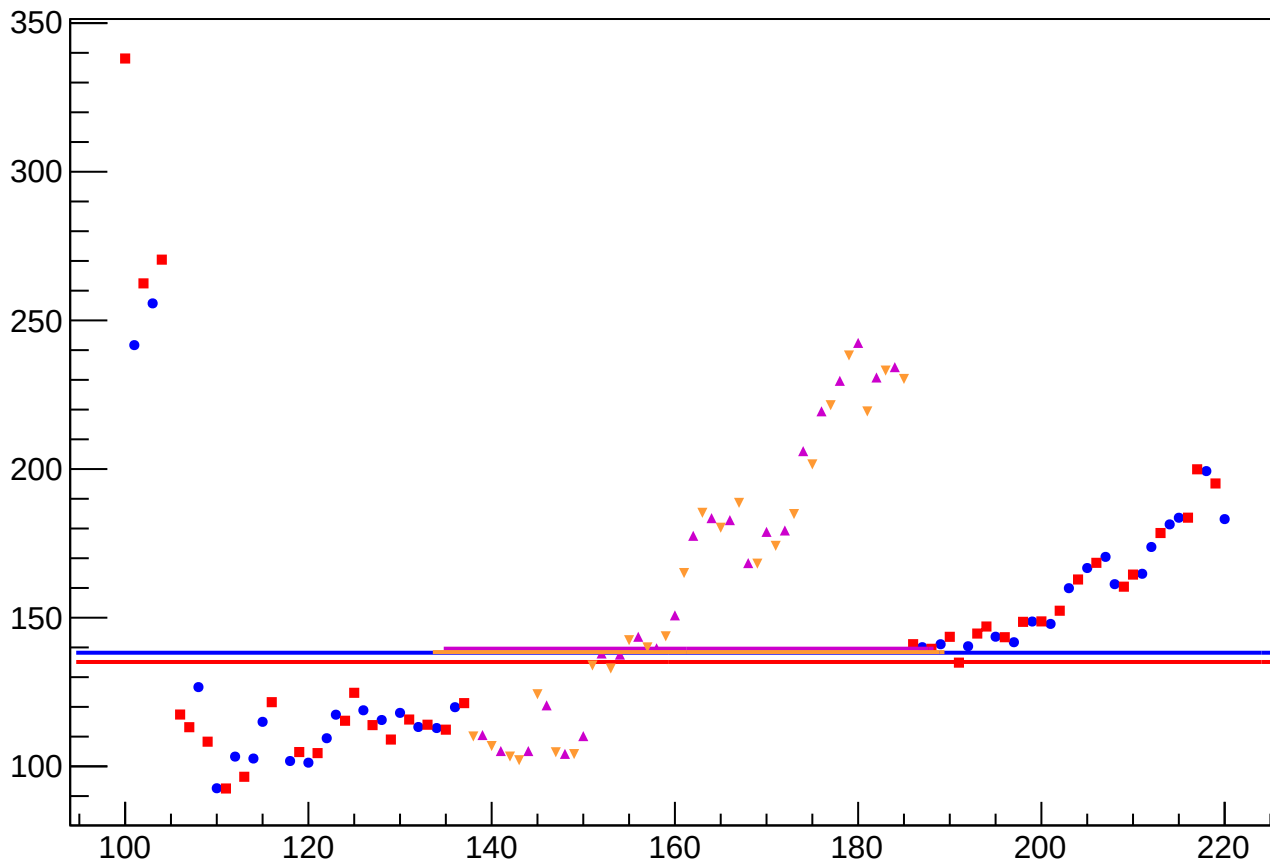
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -354.929+/-23.554 χ^2/NDF : 173941.4/58

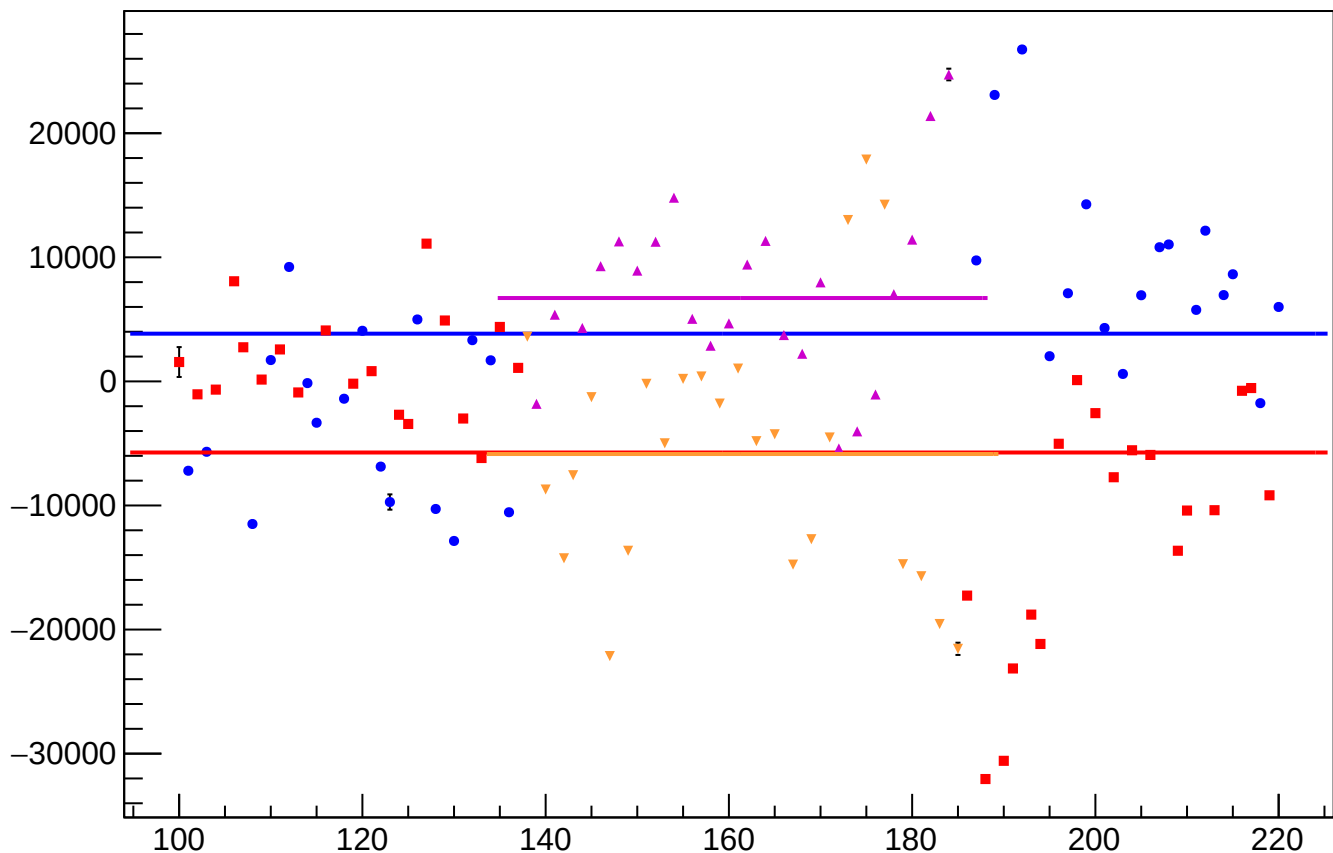
All: -338.317+/-16.637 χ^2/NDF : 357331.8/11

- sign -321.779+/-23.501 χ^2/NDF : 183389.5/59

asym_bpm1i02WS_rms vs Slug



asym_bpm2i01WS_mean vs Slug



Right In: 3846.060 ± 32.830 χ^2/NDF : 86038.1/33

Left Out: -5852.544 ± 35.880 χ^2/NDF : 63411.4/24

Right Out: -5730.892 ± 31.750 χ^2/NDF : 106042.0/36

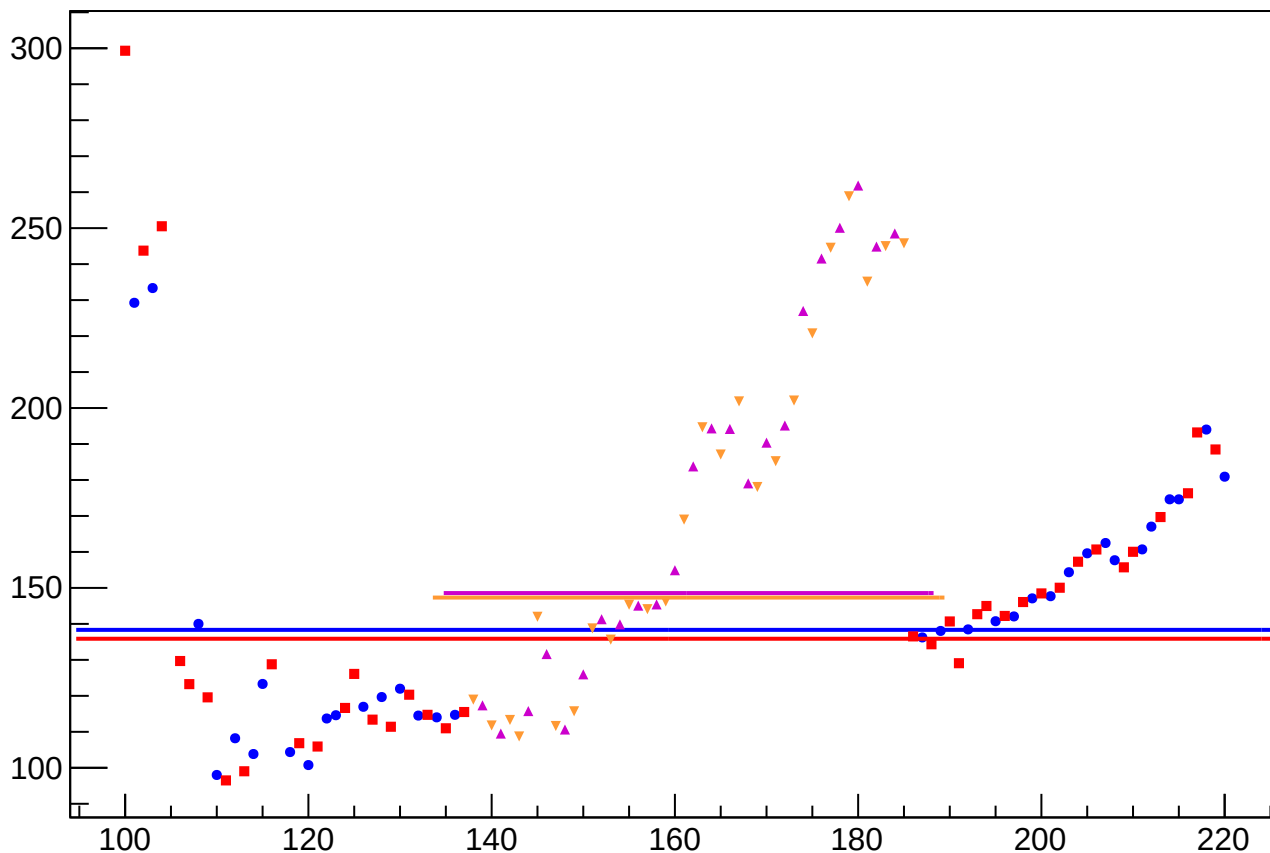
Left In: 6718.475 ± 37.276 χ^2/NDF : 20934.3/22

+ sign -573.557 ± 24.221 χ^2/NDF : 189220.1/58

All: -534.889 ± 17.109 χ^2/NDF : 380845.1/11

- sign -496.380 ± 24.171 χ^2/NDF : 191620.0/59

asym_bpm2i01WS_rms vs Slug



Right In: 138.341+/-0.023 χ^2/NDF : 1510267.0/33

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 135.872+/-0.022 χ^2/NDF : 1581863.9/36

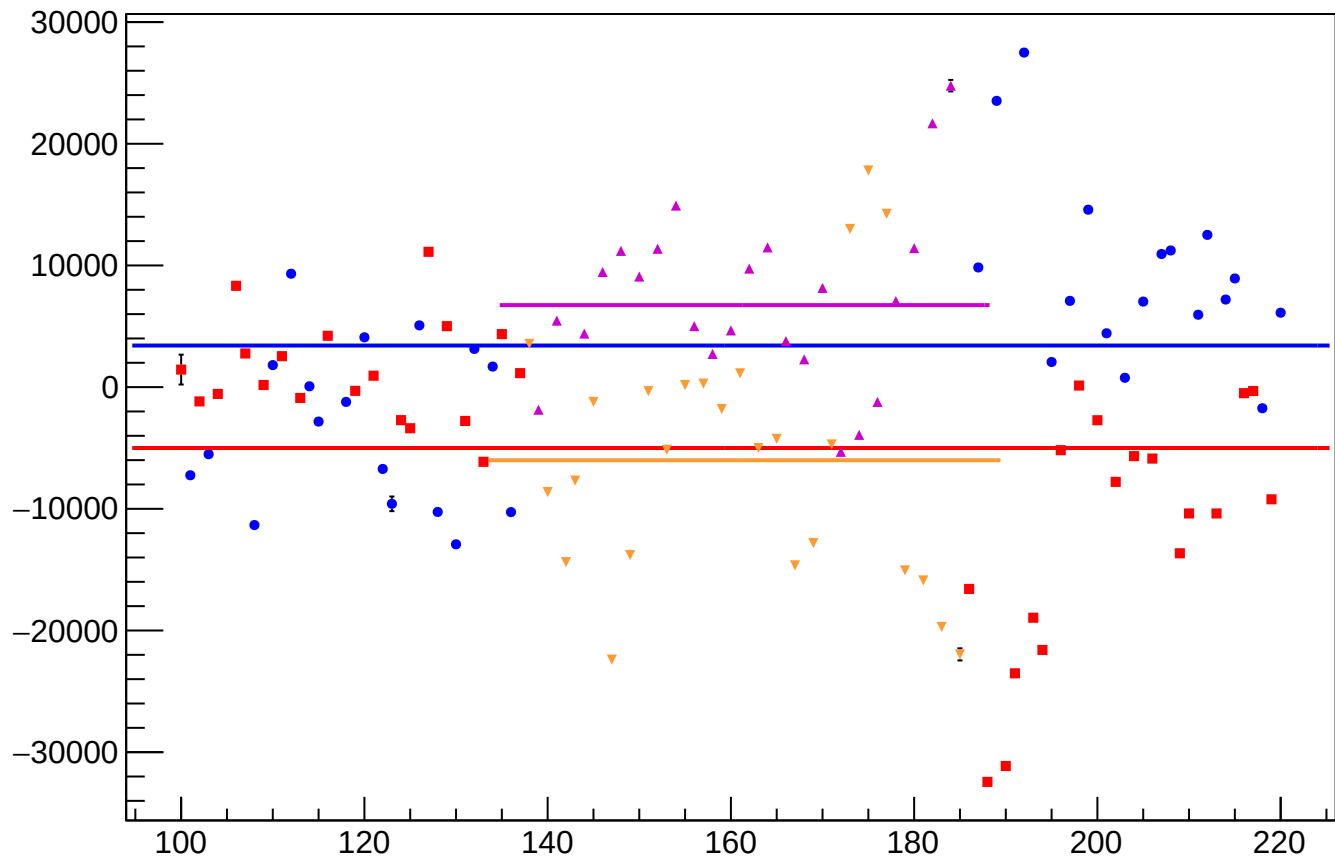
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 142.432+/-0.017 χ^2/NDF : 4090073.2/58

All: 141.820+/-0.012 χ^2/NDF : 8202139.9/118

- sign 141.210+/-0.017 χ^2/NDF : 4109519.5/59

asym_bpm2i02WS_mean vs Slug



Right In: 3418.388 $\pm$ 33.024 χ^2 /NDF: 85742.3/33

Left Out: -6009.913 $\pm$ 35.082 χ^2 /NDF: 67852.2/24

Right Out: -5001.975 $\pm$ 31.923 χ^2 /NDF: 100842.1/36

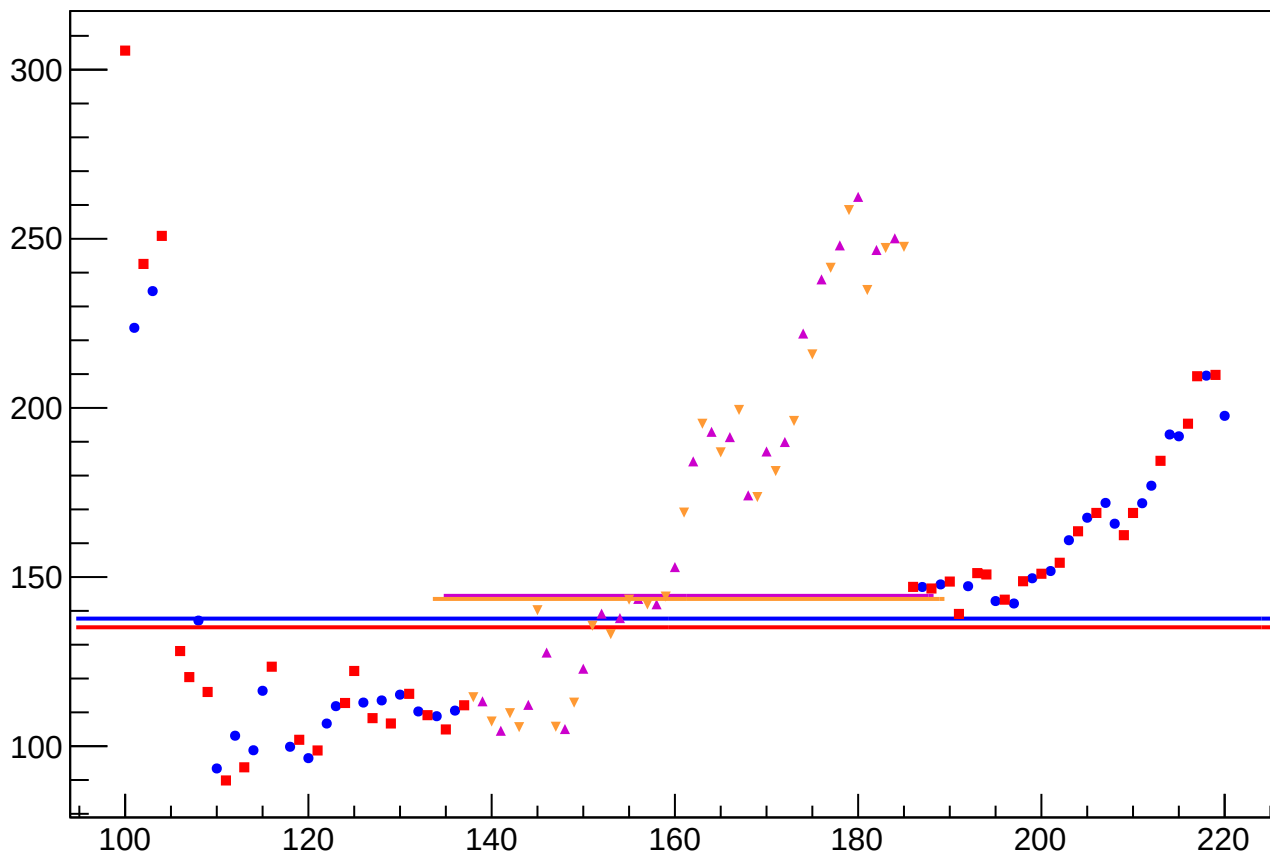
Left In: 6740.666 $\pm$ 36.379 χ^2 /NDF: 22071.8/22

+ sign -1011.143 $\pm$ 24.046 χ^2 /NDF: 191887.6/58

All: -451.168 $\pm$ 16.985 χ^2 /NDF: 374747.5/11

- sign 106.395 $\pm$ 23.995 χ^2 /NDF: 181777.7/59

asym_bpm2i02WS_rms vs Slug



Right In: 137.718+/-0.023 χ^2/NDF : 2163628.6/33

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 135.147+/-0.023 χ^2/NDF : 2282027.3/36

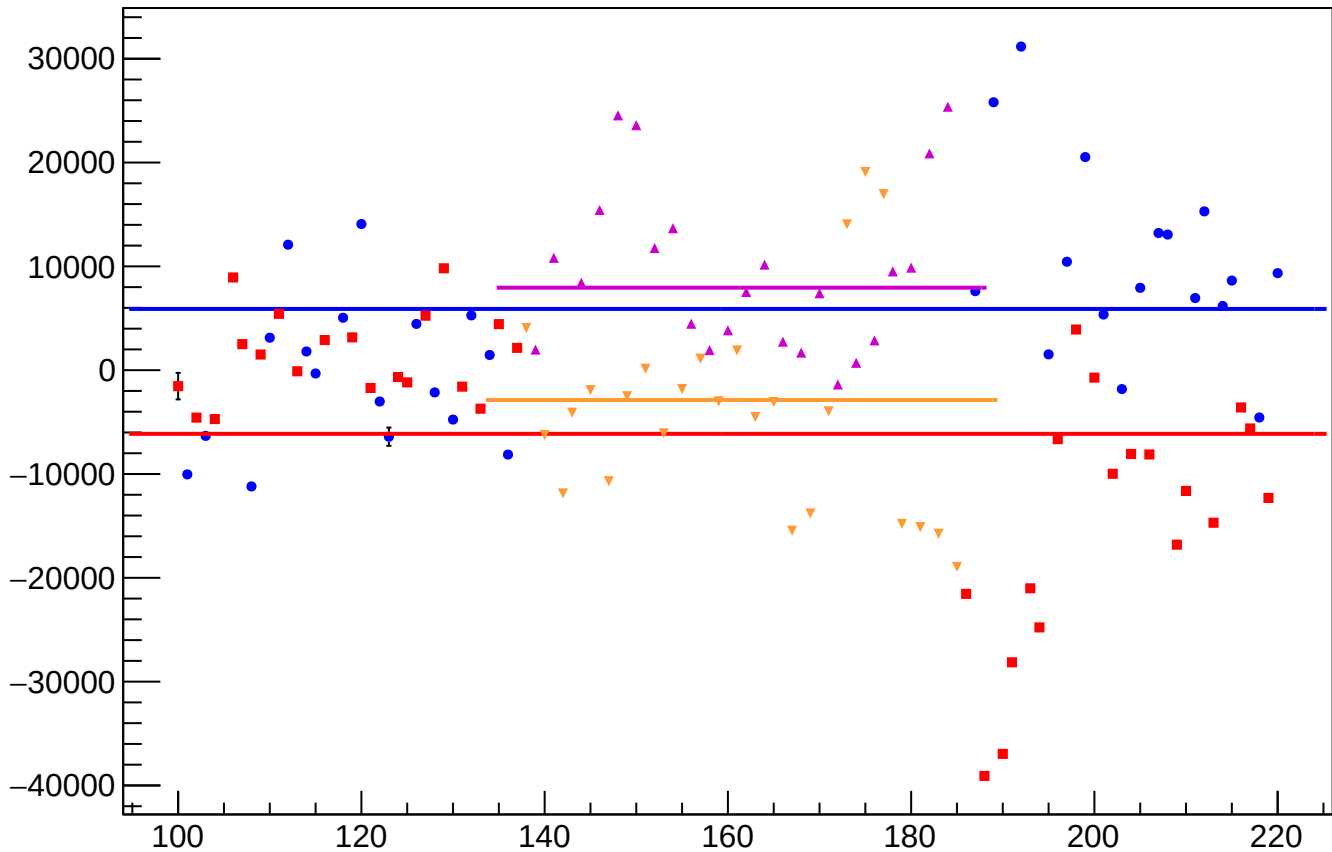
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 140.449+/-0.017 χ^2/NDF : 4897526.4/58

All: 139.818+/-0.012 χ^2/NDF : 9842950.5/118

- sign 139.190+/-0.017 χ^2/NDF : 4942675.8/59

asym_bpm0i01WS_mean vs Slug



Right In: 5899.514 ± 39.661 χ^2/NDF : 65303.4/33

Left Out: -2870.473 ± 39.482 χ^2/NDF : 46420.3/24

Right Out: -6131.506 ± 38.395 χ^2/NDF : 100504.3/36

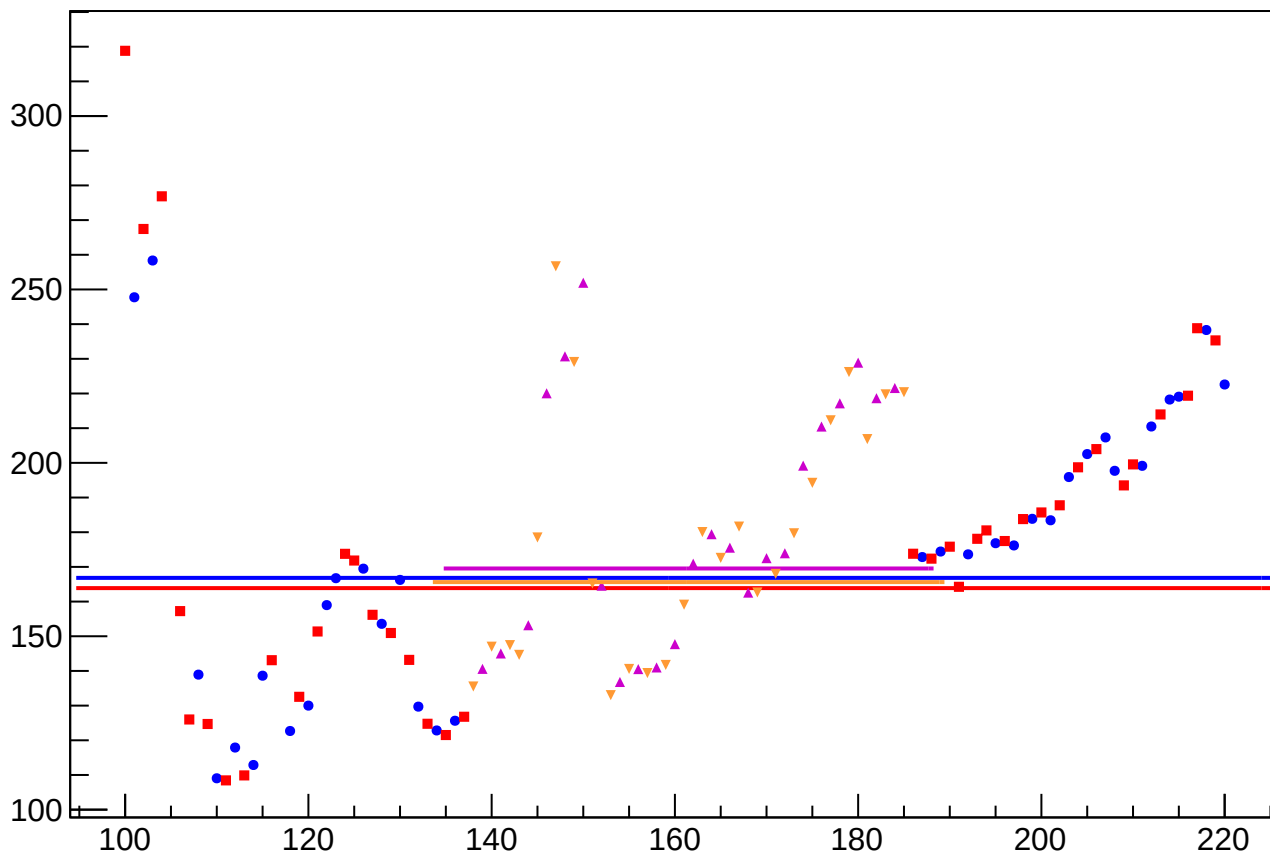
Left In: 7947.160 ± 41.726 χ^2/NDF : 23874.5/22

+ sign 1494.757 ± 27.981 χ^2/NDF : 136282.3/58

All: 914.874 ± 19.881 χ^2/NDF : 323175.2/118

- sign 323.630 ± 28.254 χ^2/NDF : 186025.5/59

asym_bpm0i01WS_rms vs Slug



Right In: 166.834+/-0.028 χ^2/NDF : 1898840.9/33

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 163.881+/-0.027 χ^2/NDF : 2012846.2/36

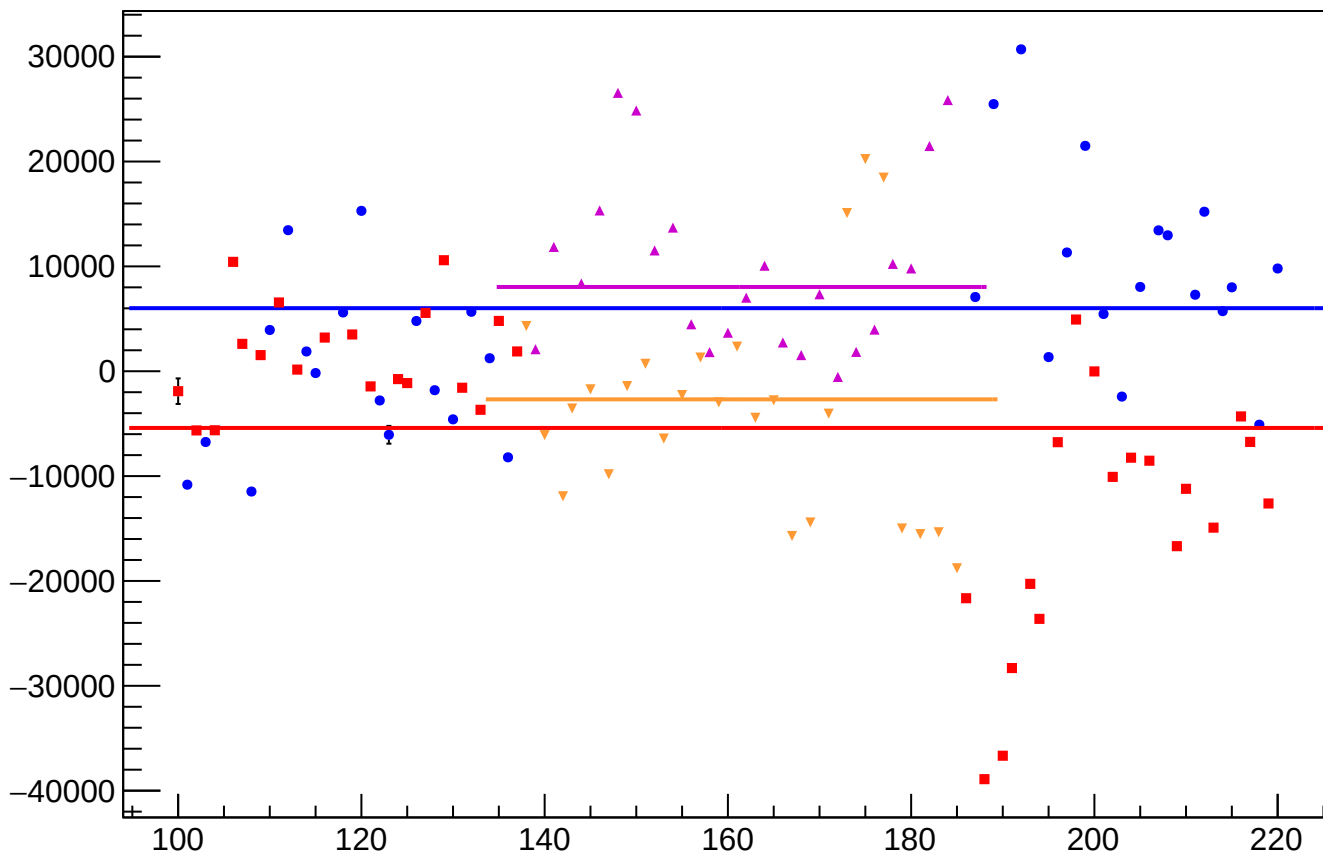
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 166.223+/-0.020 χ^2/NDF : 3044567.5/58

All: 166.348+/-0.014 χ^2/NDF : 6236665.8/118

- sign 166.477+/-0.020 χ^2/NDF : 3192016.6/59

asym_bpm0i01aWS_mean vs Slug



Right In: 6014.917+/-33.712 χ^2/NDF : 91414.0/33

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -5407.887+/-32.410 χ^2/NDF : 140723.5/36

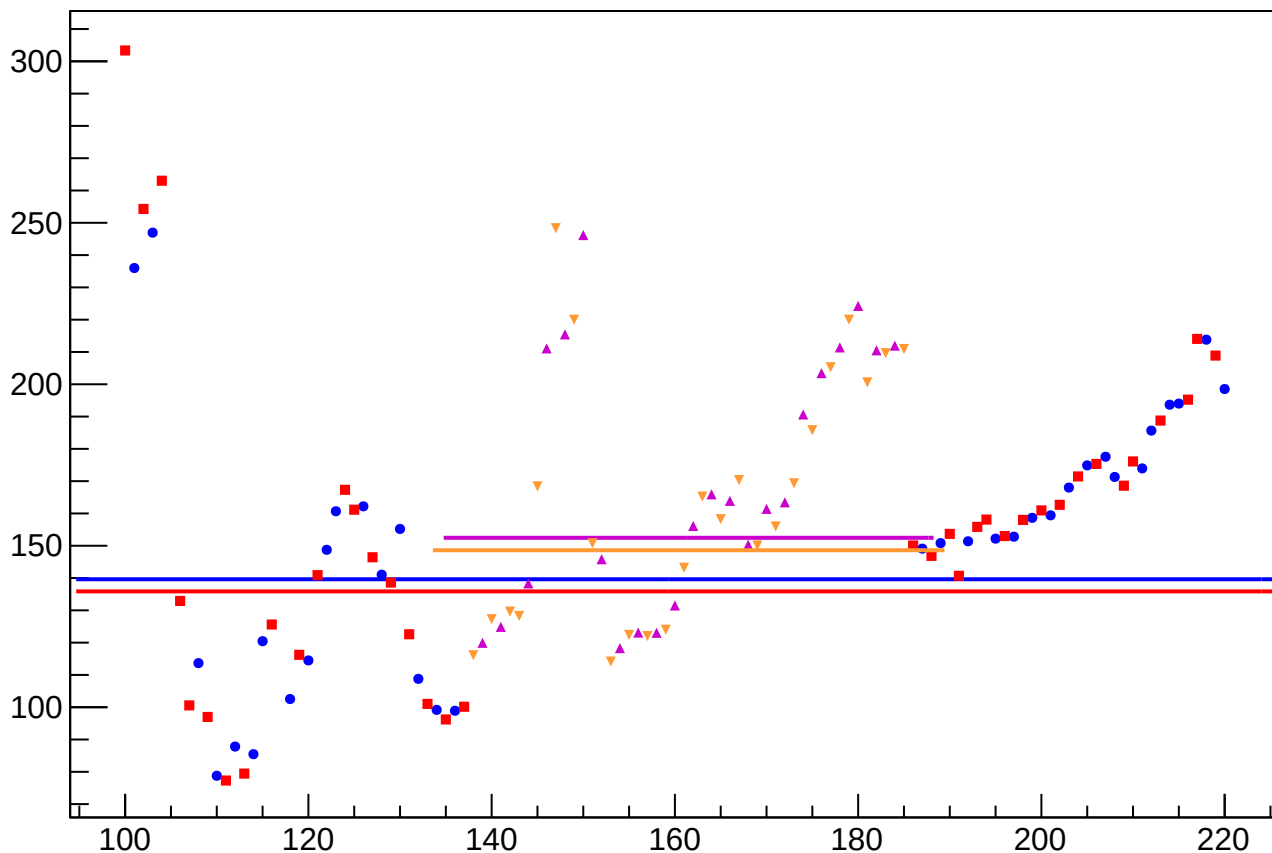
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 1923.936+/-24.531 χ^2/NDF : 179532.2/58

All: 1098.977+/-17.384 χ^2/NDF : 424422.5/100

- sign 266.799+/-24.638 χ^2/NDF : 242618.6/59

asym_bpm0i01aWS_rms vs Slug



Right In: 139.624+/-0.024 χ^2/NDF : 2828064.2/33

Left Out: 148.611+/-0.025 χ^2/NDF :1685424.1/24

Right Out: 135.864+/-0.023 χ^2/NDF : 3105473.6/36

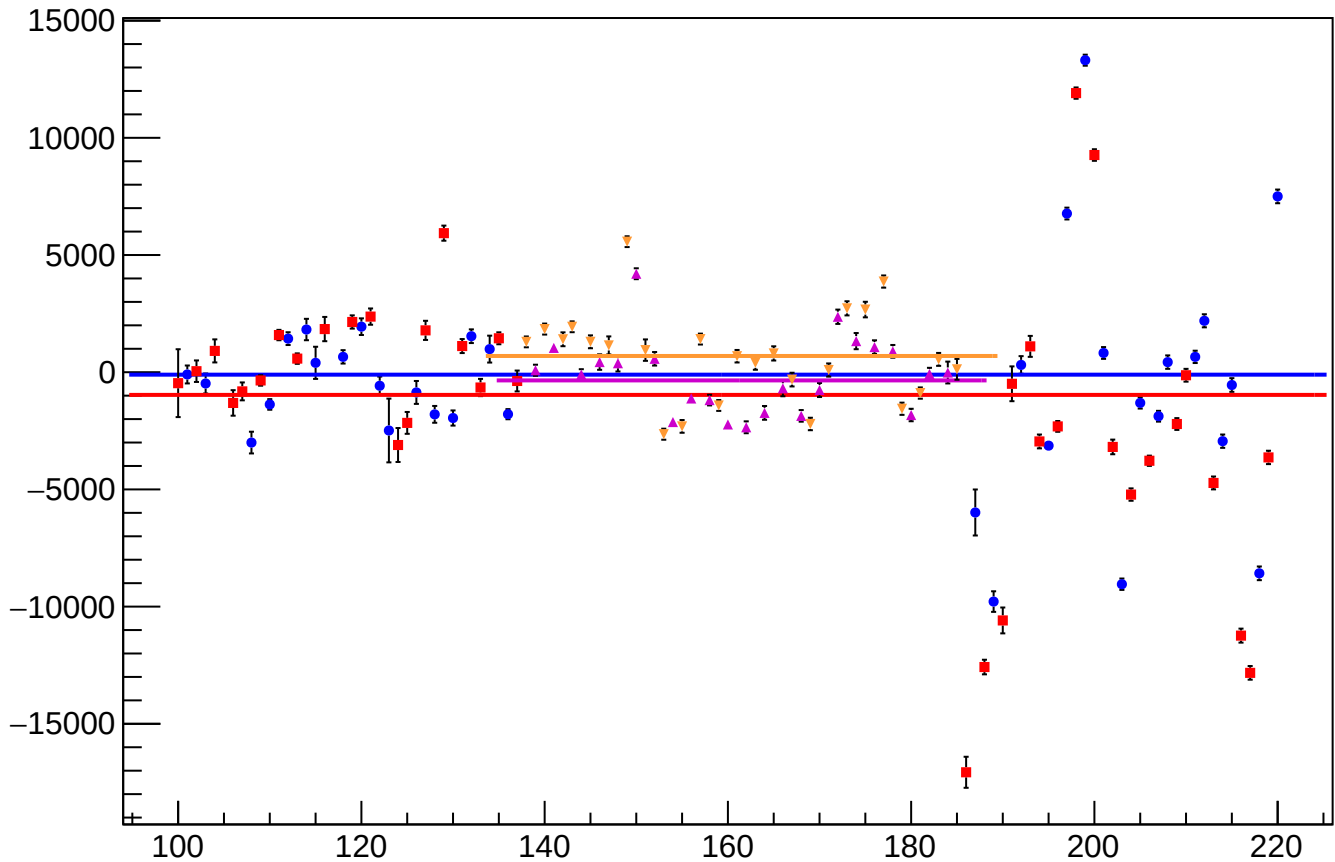
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 143.852+/-0.017 χ^2/NDF : 4580351.8/58

All: 143.364+/-0.012 χ^2/NDF : 9600364.9/118

- sign 142.870+/-0.017 χ^2/NDF : 5018417.8/59

asym_bpm0l01WS_mean vs Slug



Right In: -104.479 ± 52.246 χ^2/NDF : 8185.1/33

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: -967.604 ± 51.593 χ^2/NDF : 11674.5/36

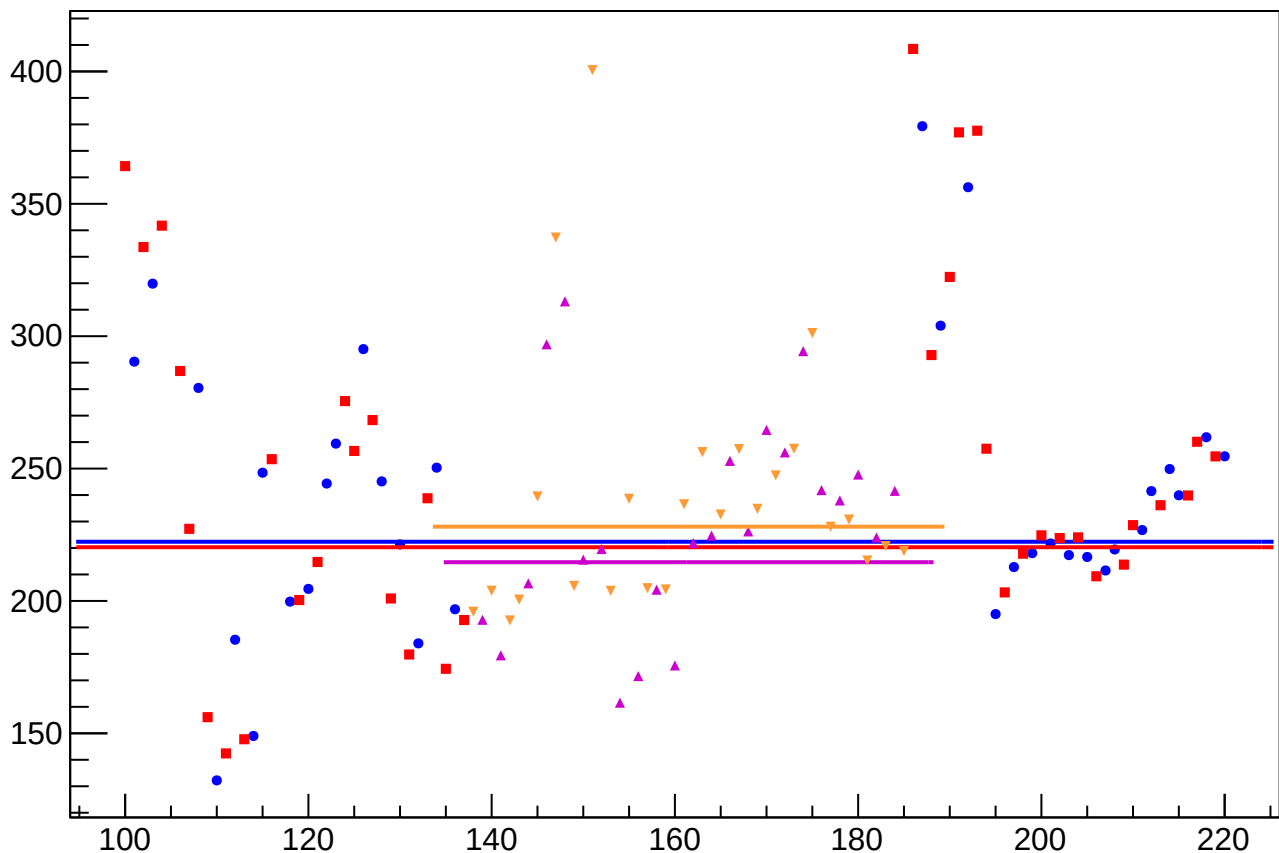
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 278.863 ± 37.650 χ^2/NDF : 9719.2/58

All: -202.524 ± 26.390 χ^2/NDF : 22765.6/118

- sign -667.469 ± 37.001 χ^2/NDF : 12725.1/59

asym_bpm0l01WS_rms vs Slug



Right In: 222.358 $\pm$ 0.037 χ^2 /NDF: 1267473.5/33

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF:826343.8/24

Right Out: 220.285 $\pm$ 0.036 χ^2 /NDF: 1919195.7/36

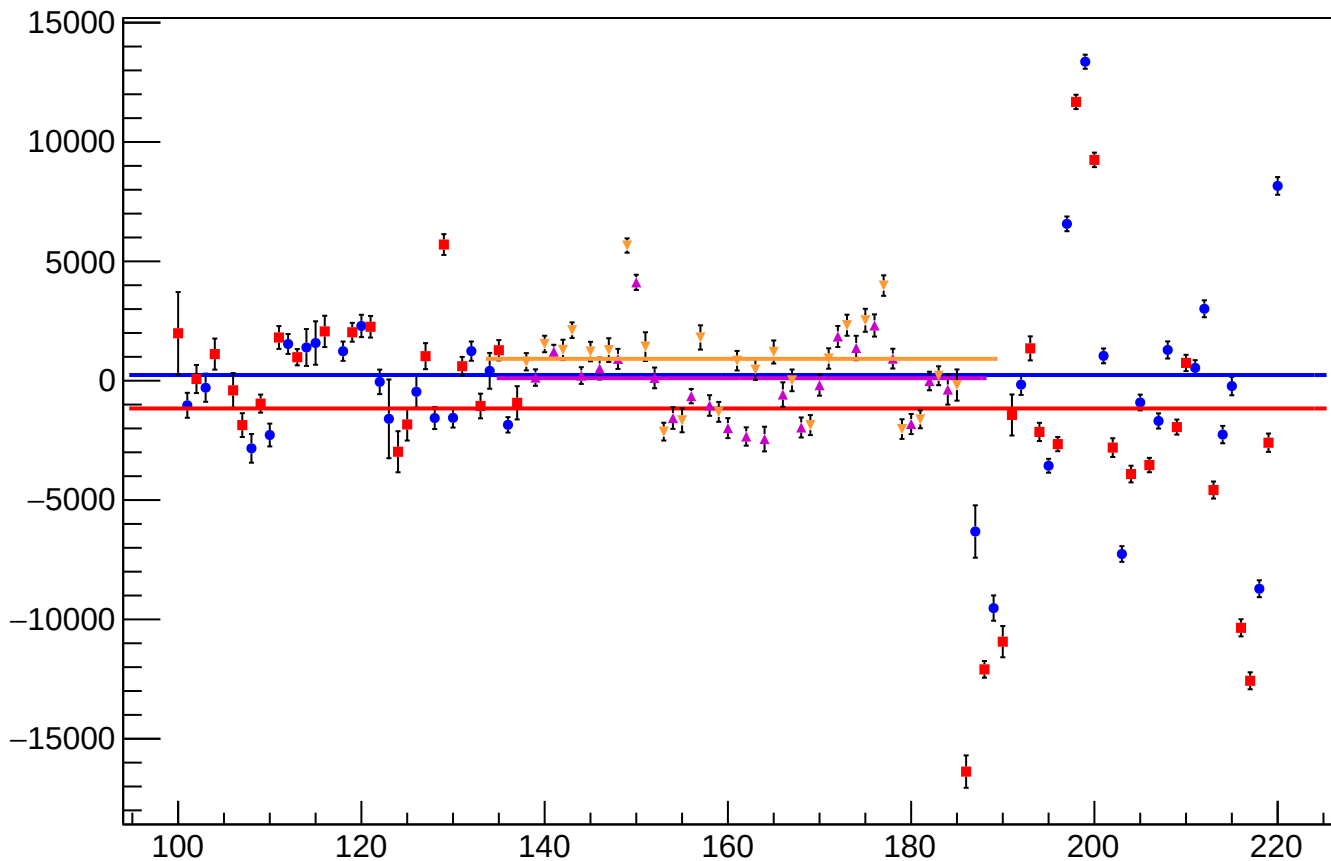
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF:1025683.3/22

+ sign 225.099 $\pm$ 0.027 χ^2 /NDF: 2105272.7/58

All: 221.252 $\pm$ 0.019 χ^2 /NDF: 5102877.2/118

- sign 217.537 $\pm$ 0.026 χ^2 /NDF: 2956559.9/59

asym_bpm0l02WS_mean vs Slug



Right In: 238.671 ± 69.895 $\chi^2/\text{NDF}: 4911.3/33$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: -1162.705 ± 69.372 $\chi^2/\text{NDF}: 7294.7/36$

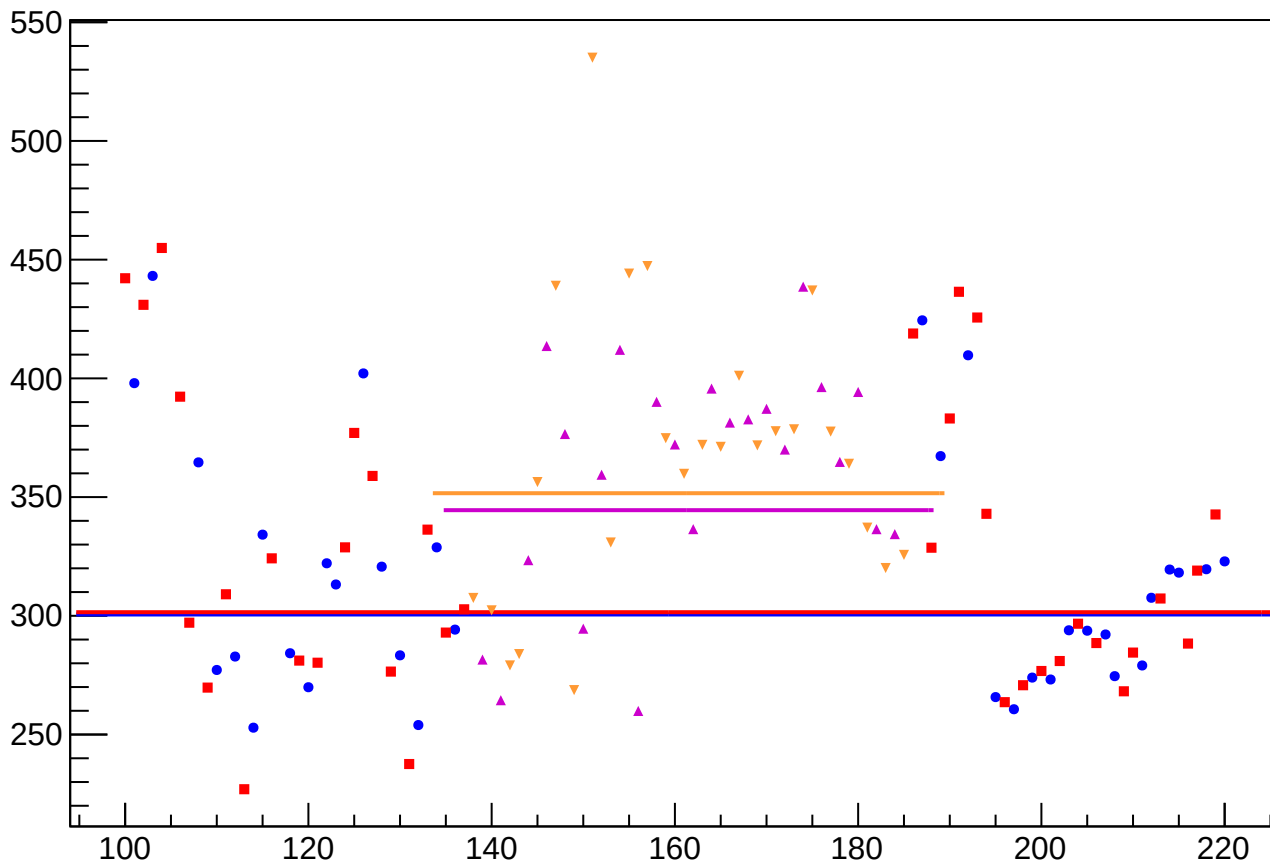
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 518.119 ± 53.570 $\chi^2/\text{NDF}: 5568.3/58$

All: -66.250 ± 37.887 $\chi^2/\text{NDF}: 13626.2/118$

- sign -651.071 ± 53.590 $\chi^2/\text{NDF}: 7819.8/59$

asym_bpm0l02WS_rms vs Slug



Right In: 300.559+/-0.049 χ^2/NDF : 653254.8/33

Left Out: 351.633+/-0.059 χ^2/NDF : 907849.3/24

Right Out: 301.523+/-0.049 χ^2/NDF : 925806.5/36

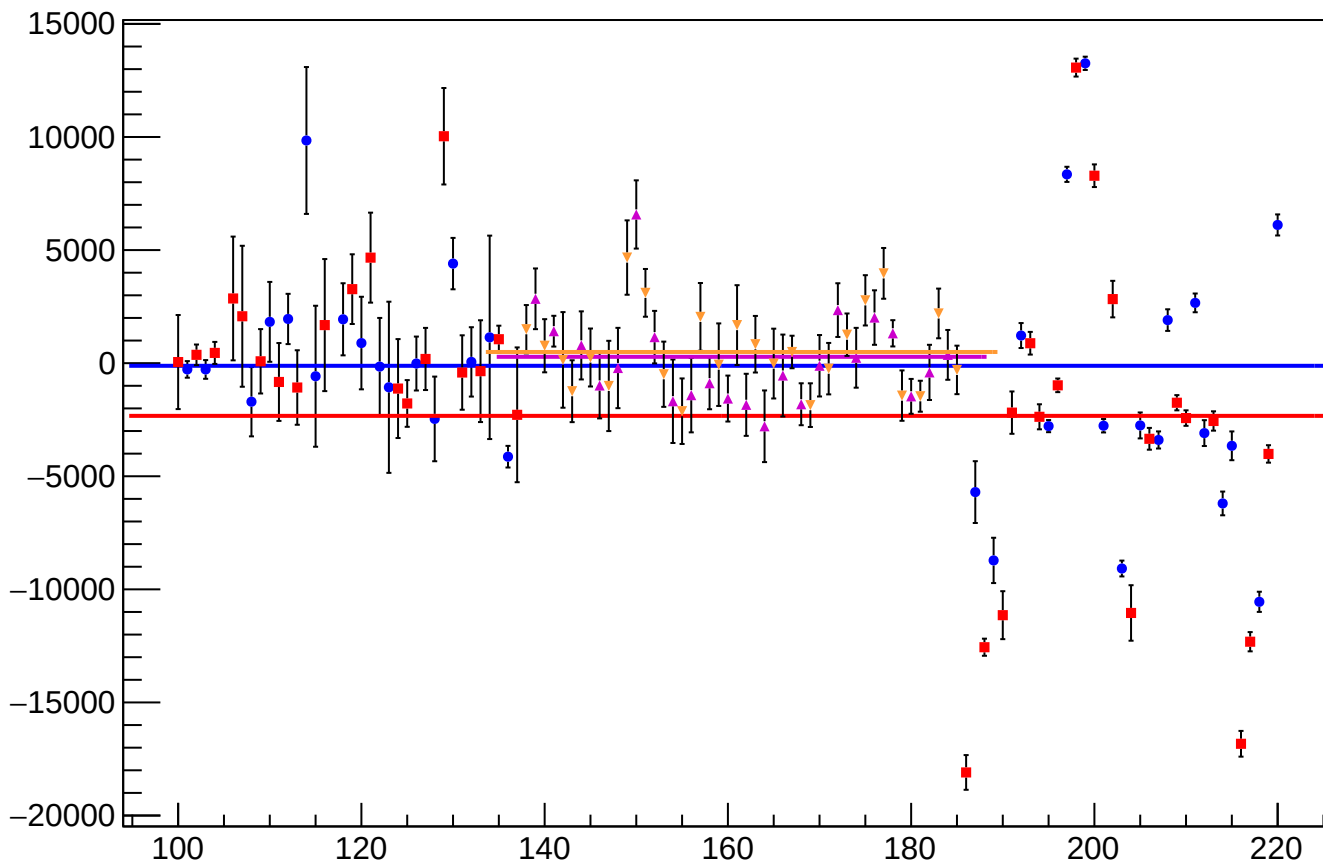
Left In: 344.491+/-0.060 χ^2/NDF : 768885.4/22

+ sign 321.631+/-0.038 χ^2/NDF : 2001720.7/58

All: 320.241+/-0.027 χ^2/NDF : 4008491.9/118

- sign 318.849+/-0.038 χ^2/NDF : 2004075.1/59

asym_bpm0l03WS_mean vs Slug



Right In: -116.381 ± 91.189 $\chi^2/\text{NDF}: 4821.1/33$

Left Out: 495.014 ± 231.058 $\chi^2/\text{NDF}: 56.2/24$

Right Out: -2329.712 ± 99.588 $\chi^2/\text{NDF}: 4736.5/36$

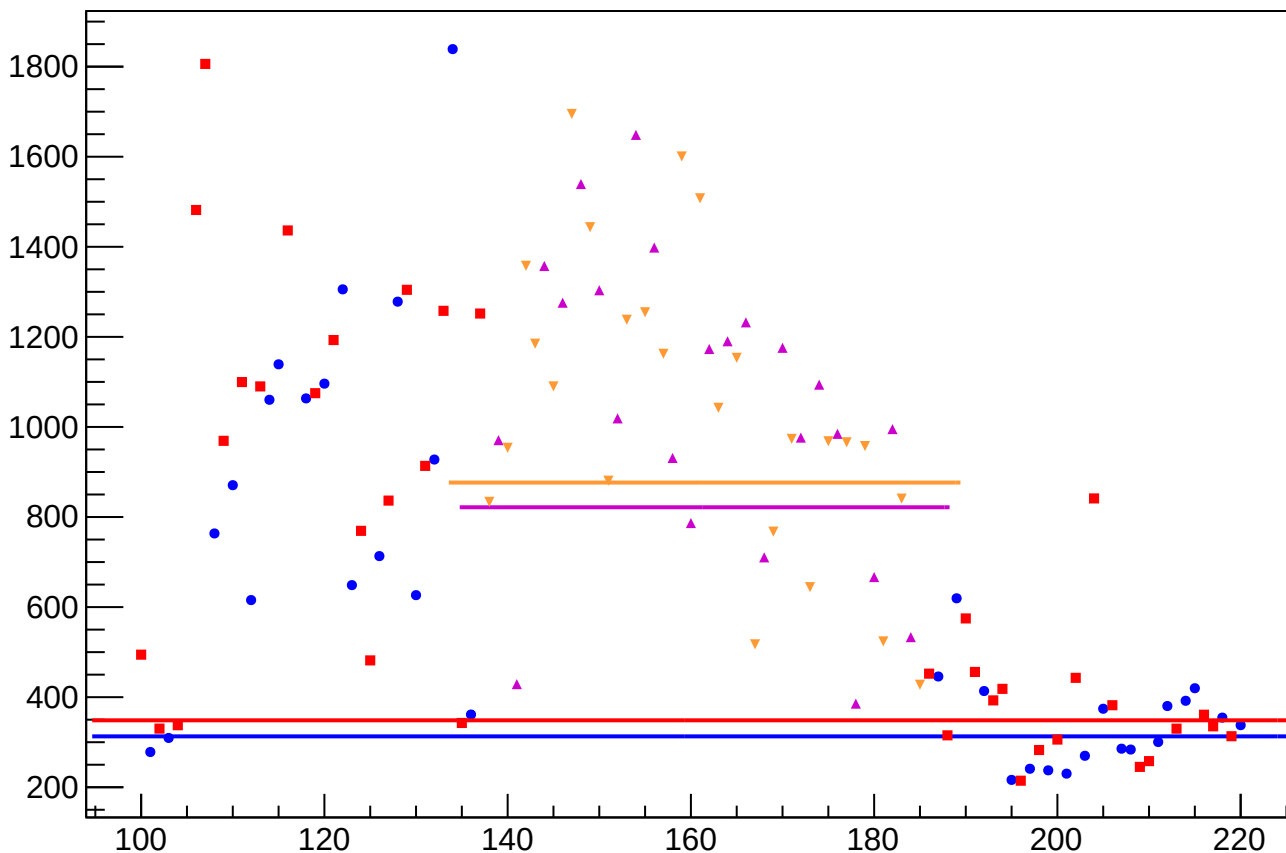
Left In: 280.692 ± 232.048 $\chi^2/\text{NDF}: 57.2/22$

+ sign -33.986 ± 84.822 $\chi^2/\text{NDF}: 4883.5/58$

All: -907.217 ± 62.210 $\chi^2/\text{NDF}: 10013.4/118$

- sign -1923.695 ± 91.516 $\chi^2/\text{NDF}: 4900.6/59$

asym_bpm0l03WS_rms vs Slug



Right In: 312.977 $\pm$ 0.064 χ^2 /NDF: 4582015.4/33

Left Out: 876.560 $\pm$ 0.163 χ^2 /NDF:3434698.7/24

Right Out: 348.605 $\pm$ 0.070 χ^2 /NDF: 5944167.5/36

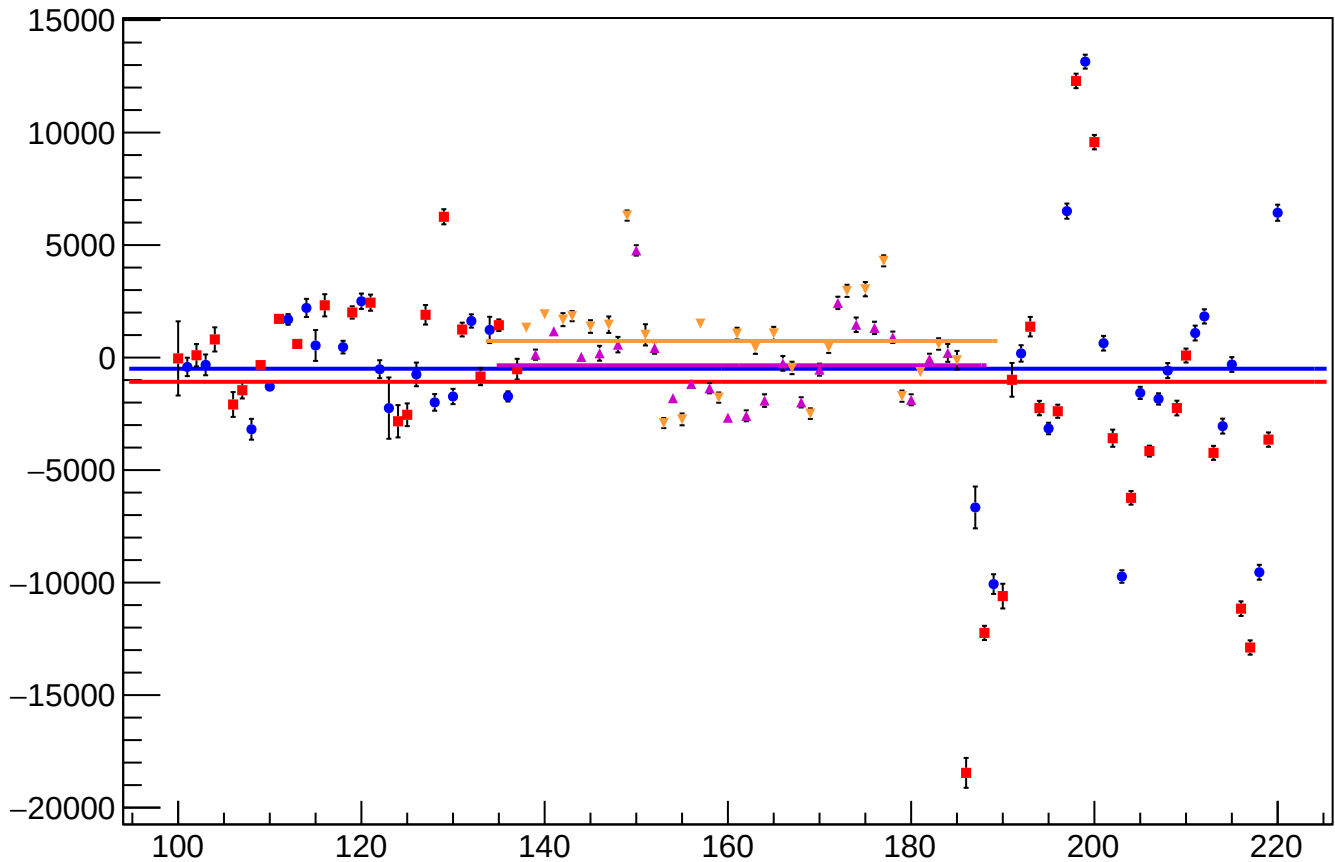
Left In: 821.657 $\pm$ 0.164 χ^2 /NDF:4443094.2/22

+ sign 388.928 $\pm$ 0.060 χ^2 /NDF: 18311980.2/58

All: 404.295 $\pm$ 0.044 χ^2 /NDF: 35860284.8/1

- sign 422.182 $\pm$ 0.065 χ^2 /NDF: 17406257.3/59

asym_bpm0l04WS_mean vs Slug



Right In: -495.615 ± 56.782 $\chi^2/\text{NDF}: 5799.2/33$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: -1076.284 ± 54.643 $\chi^2/\text{NDF}: 9422.4/36$

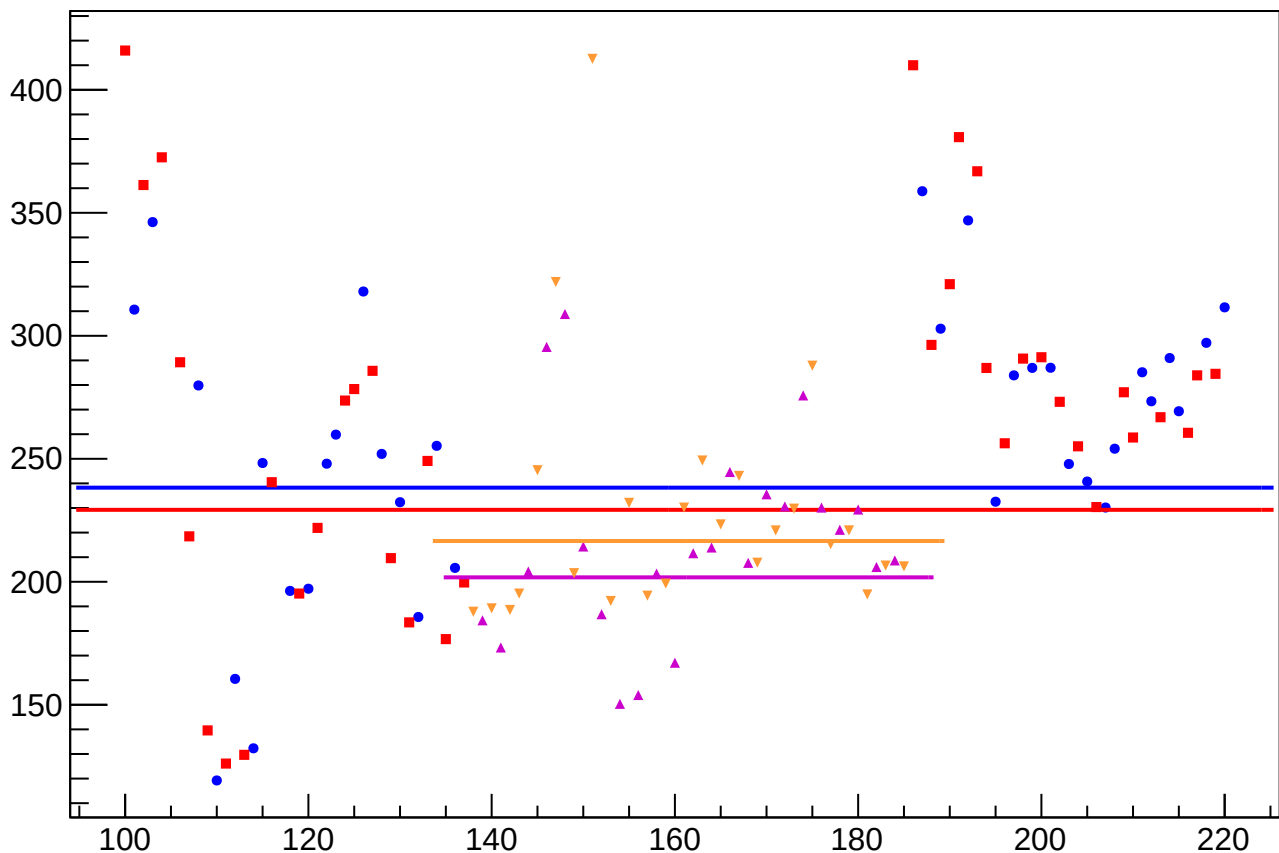
Left In: -342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

+ sign 179.928 ± 38.208 $\chi^2/\text{NDF}: 7993.0/58$

All: -263.487 ± 26.545 $\chi^2/\text{NDF}: 19028.8/118$

- sign -677.199 ± 36.906 $\chi^2/\text{NDF}: 10775.4/59$

asym_bpm0l04WS_rms vs Slug



Right In: 238.268 ± 0.040 χ^2/NDF : 2121646.5/33

Left Out: 216.574 ± 0.037 χ^2/NDF : 886214.1/24

Right Out: 229.253 ± 0.039 χ^2/NDF : 3109627.4/36

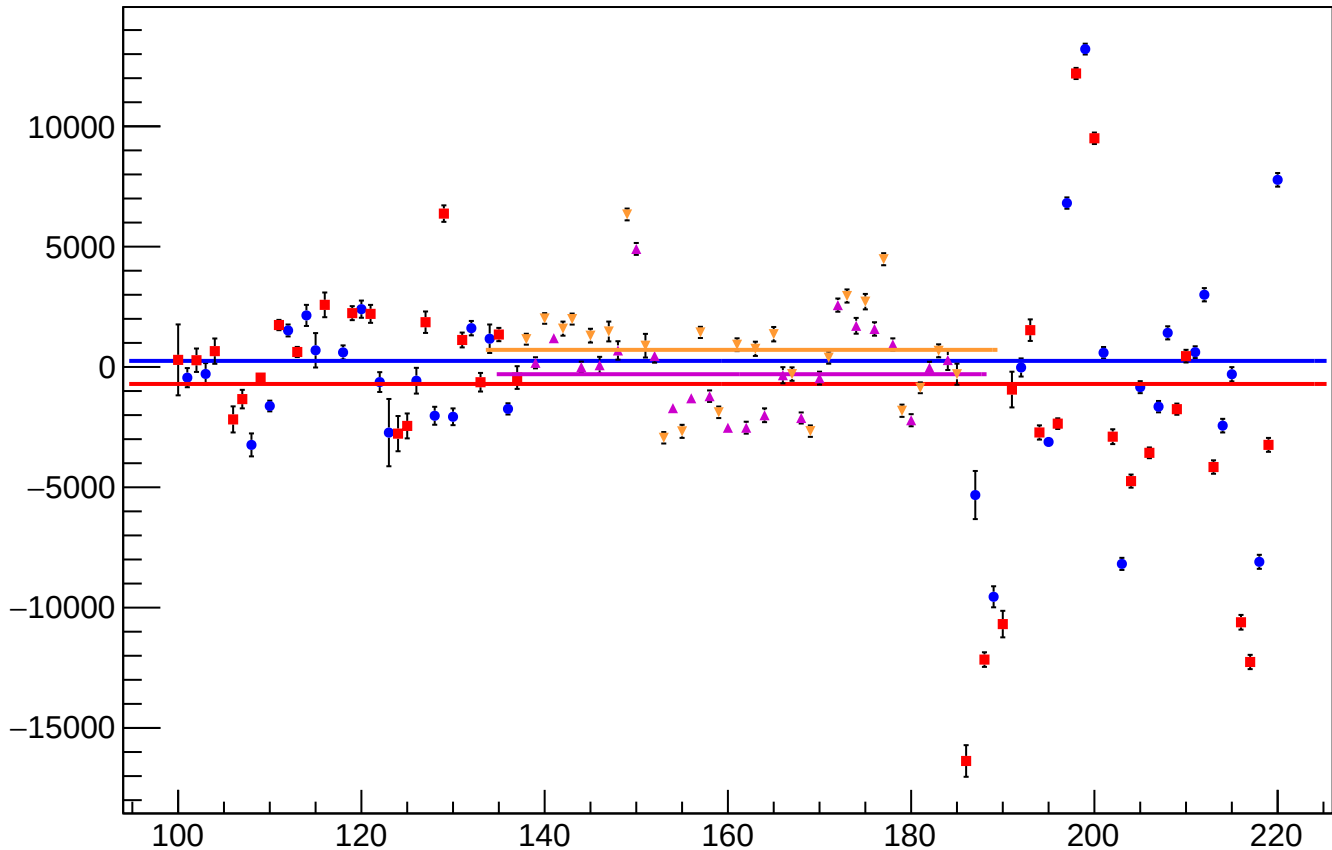
Left In: 201.805 ± 0.035 χ^2/NDF : 1087243.4/22

+ sign 226.396 ± 0.027 χ^2/NDF : 3167614.5/58

All: 220.152 ± 0.019 χ^2/NDF : 7742190.0/118

- sign 214.326 ± 0.026 χ^2/NDF : 4471312.2/59

asym_bpm0l05WS_mean vs Slug



Right In: 252.668 $\pm$ 52.102 χ^2 /NDF: 8209.9/33

Left Out: 711.174 $\pm$ 53.245 χ^2 /NDF:1835.3/24

Right Out: -705.689 $\pm$ 51.444 χ^2 /NDF: 11616.2/36

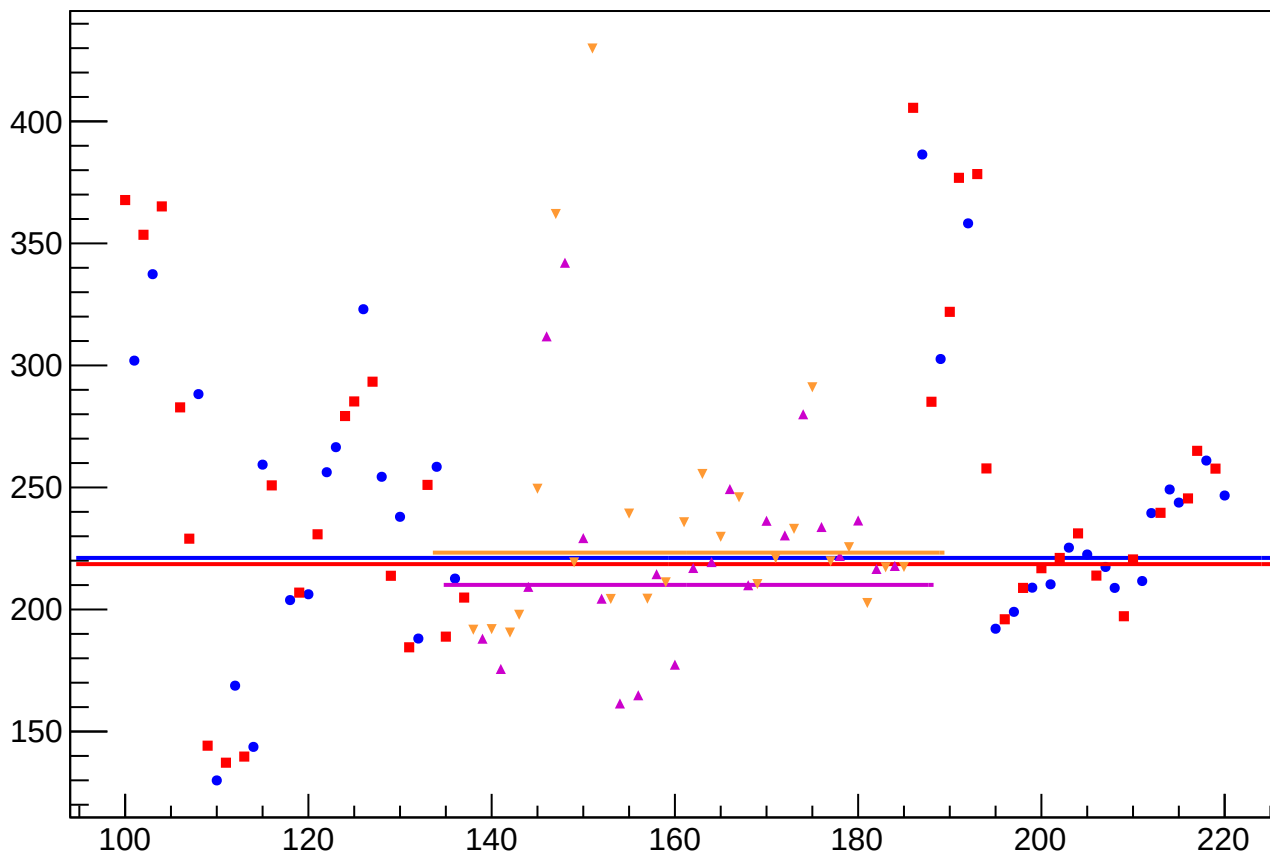
Left In: -300.516 $\pm$ 51.984 χ^2 /NDF:1208.6/22

+ sign 476.946 $\pm$ 37.239 χ^2 /NDF: 10083.1/58

All: -23.096 $\pm$ 26.091 χ^2 /NDF: 23292.8/118

- sign -505.218 $\pm$ 36.566 χ^2 /NDF: 12855.5/59

asym_bpm0l05WS_rms vs Slug



Right In: 221.129+/-0.037 χ^2/NDF : 1458821.5/33

Left Out: 223.296+/-0.038 χ^2/NDF :922768.4/24

Right Out: 218.589+/-0.036 χ^2/NDF : 2232364.7/36

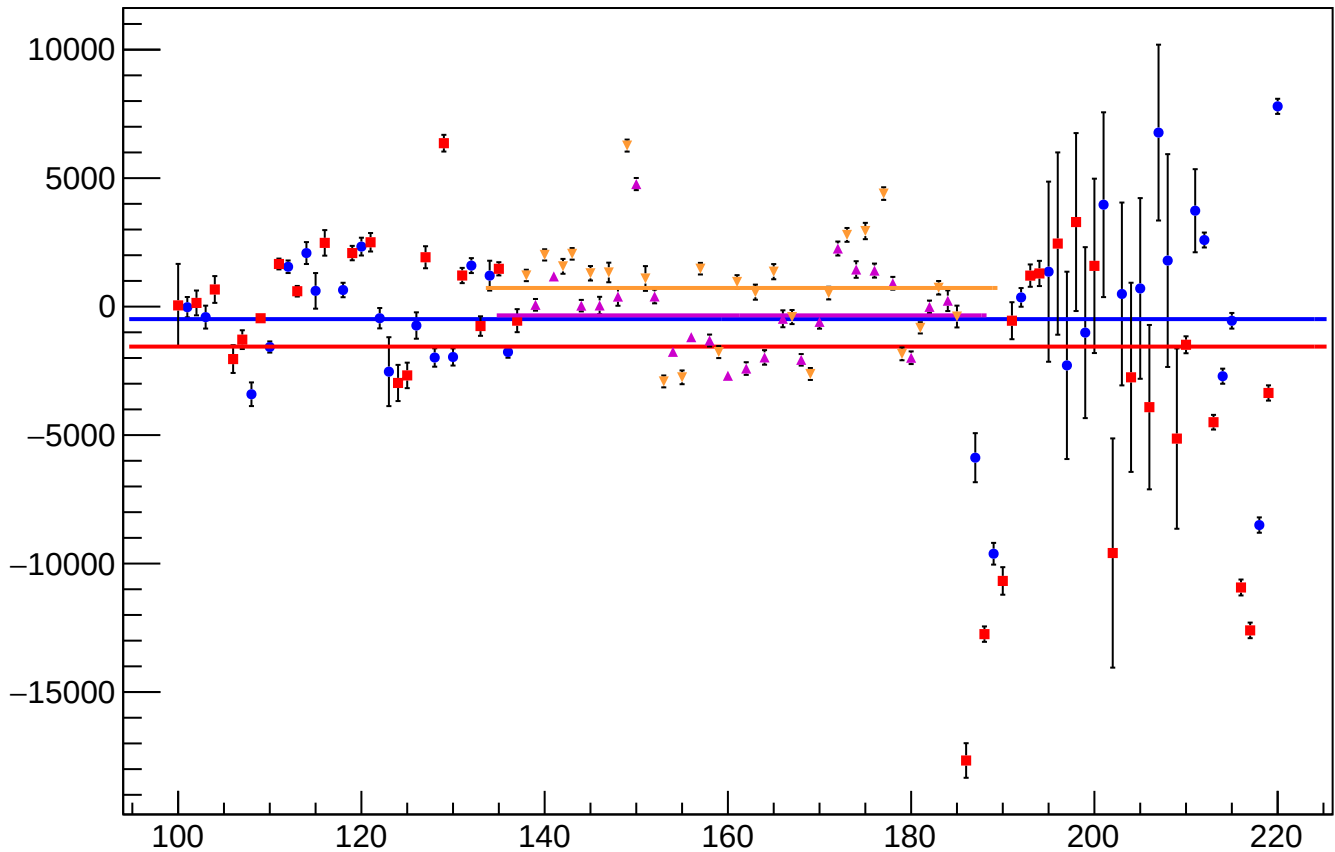
Left In: 210.080+/-0.037 χ^2/NDF :1015274.5/22

+ sign 222.189+/-0.026 χ^2/NDF : 2383282.3/58

All: 218.213+/-0.018 χ^2/NDF : 5702786.9/118

- sign 214.379+/-0.026 χ^2/NDF : 3274713.7/59

asym_bpm0l06WS_mean vs Slug



Right In: -486.475 ± 67.837 χ^2/NDF : 2585.4/33

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -1556.132 ± 62.218 χ^2/NDF : 6392.8/36

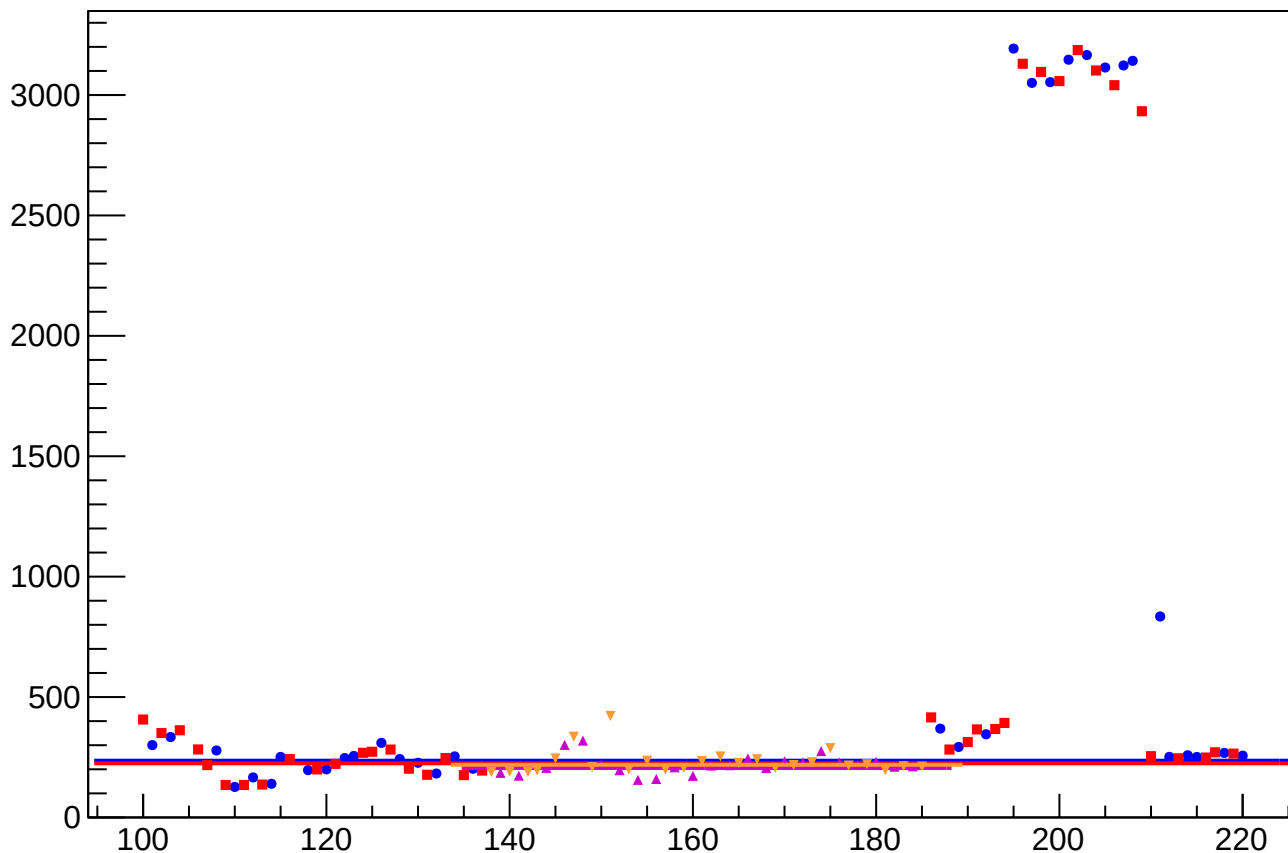
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 275.443 ± 41.349 χ^2/NDF : 4698.8/58

All: -302.944 ± 28.505 χ^2/NDF : 12895.4/118

- sign -826.777 ± 39.351 χ^2/NDF : 7823.7/59

asym_bpm0l06WS_rms vs Slug



Right In: 235.624+/-0.048 χ^2/NDF : 12210019.9/33

Left Out: 218.768+/-0.037 χ^2/NDF : 896914.5/24

Right Out: 224.793+/-0.044 χ^2/NDF : 11602787.2/36

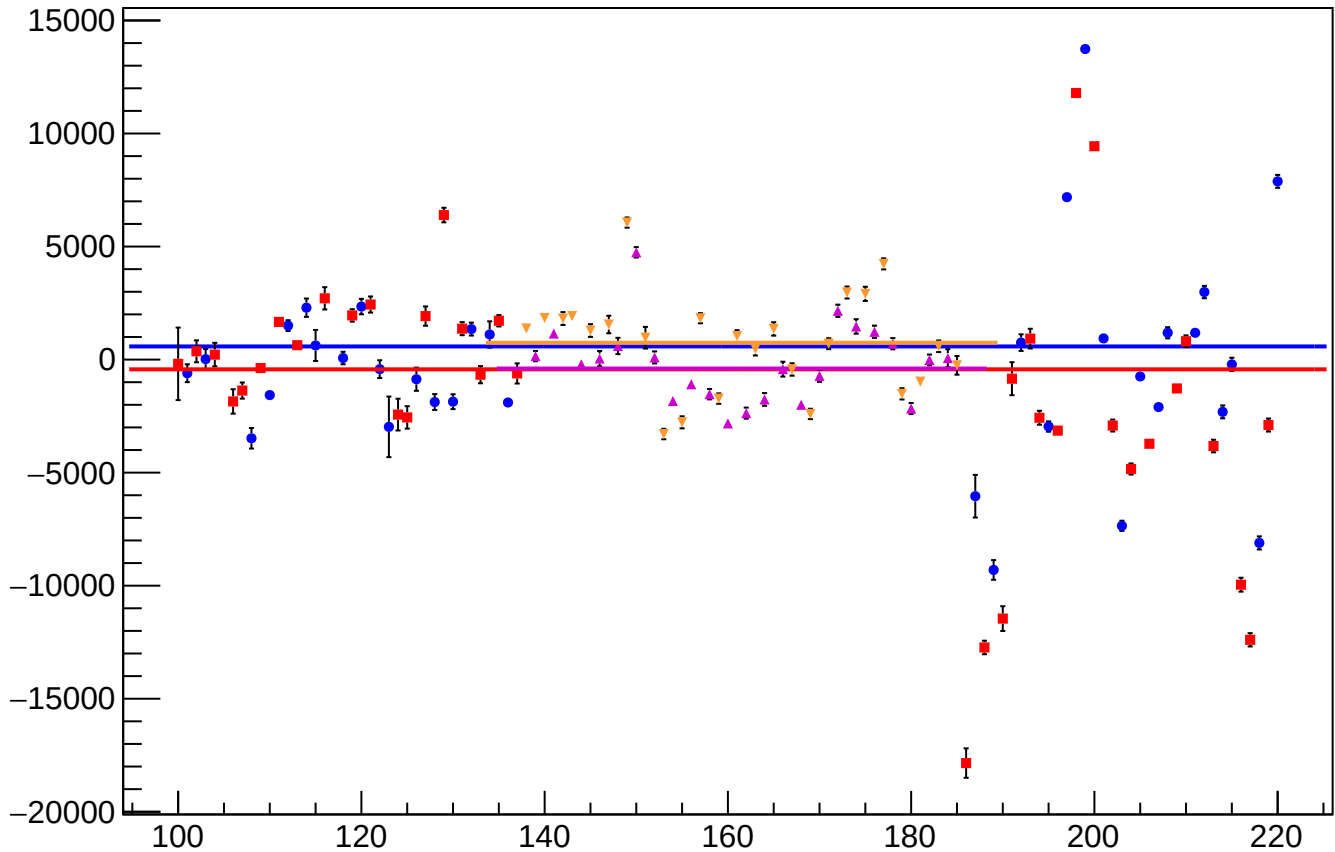
Left In: 205.249+/-0.036 χ^2/NDF : 997168.8/22

+ sign 225.031+/-0.029 χ^2/NDF : 13184534.3/58

All: 218.753+/-0.020 χ^2/NDF : 25990753.8/131

- sign 213.067+/-0.028 χ^2/NDF : 12718358.7/59

asym_bpm0l07WS_mean vs Slug



Right In: 581.783 ± 48.910 $\chi^2/\text{NDF}: 10201.2/33$

Left Out: 746.405 ± 51.592 $\chi^2/\text{NDF}: 1942.1/24$

Right Out: -430.657 ± 48.407 $\chi^2/\text{NDF}: 13473.0/36$

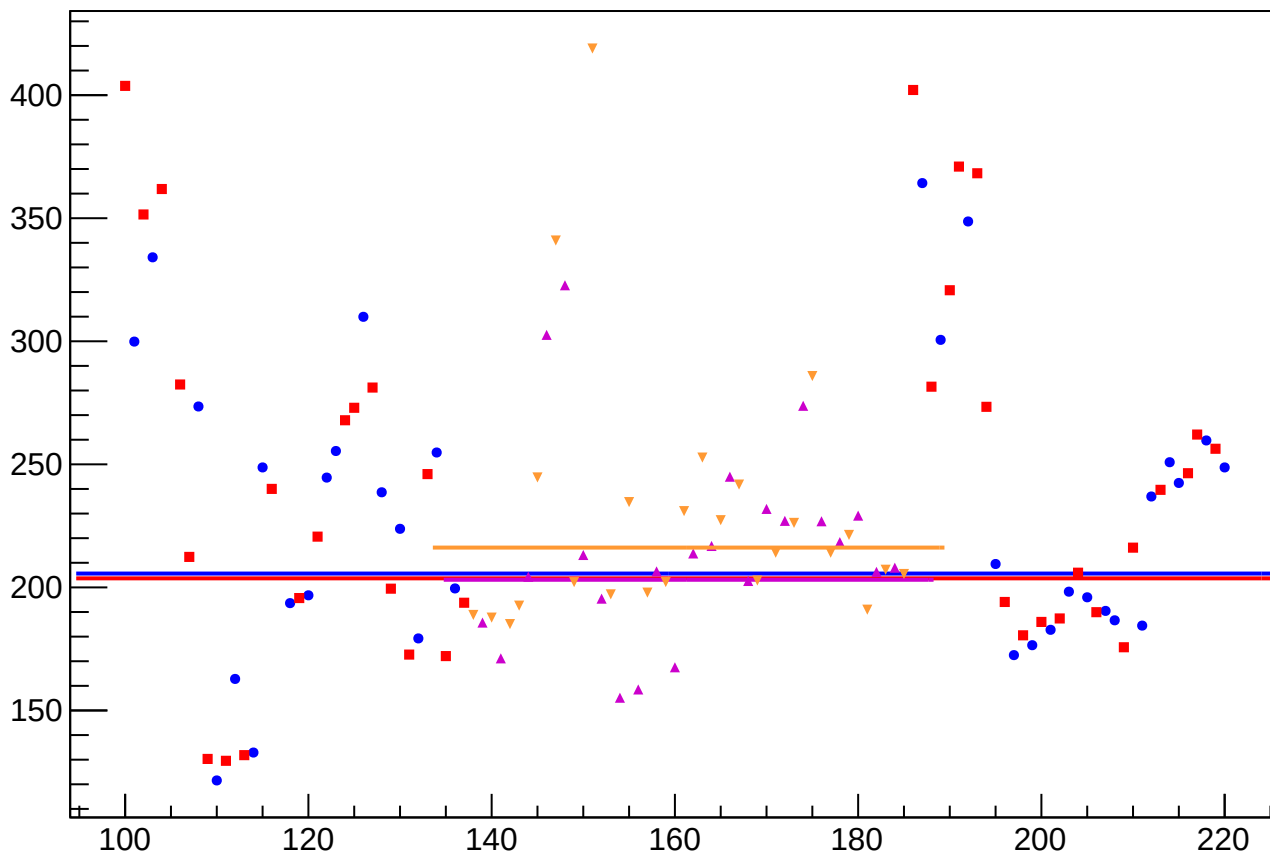
Left In: -394.379 ± 50.311 $\chi^2/\text{NDF}: 1236.4/22$

+ sign 659.705 ± 35.495 $\chi^2/\text{NDF}: 12148.6/58$

All: 113.913 ± 24.879 $\chi^2/\text{NDF}: 27323.2/118$

- sign -413.218 ± 34.883 $\chi^2/\text{NDF}: 14709.7/59$

asym_bpm0l07WS_rms vs Slug



Right In: 205.623+/-0.035 χ^2/NDF : 1798327.3/33

Left Out: 216.178+/-0.036 χ^2/NDF : 946050.8/24

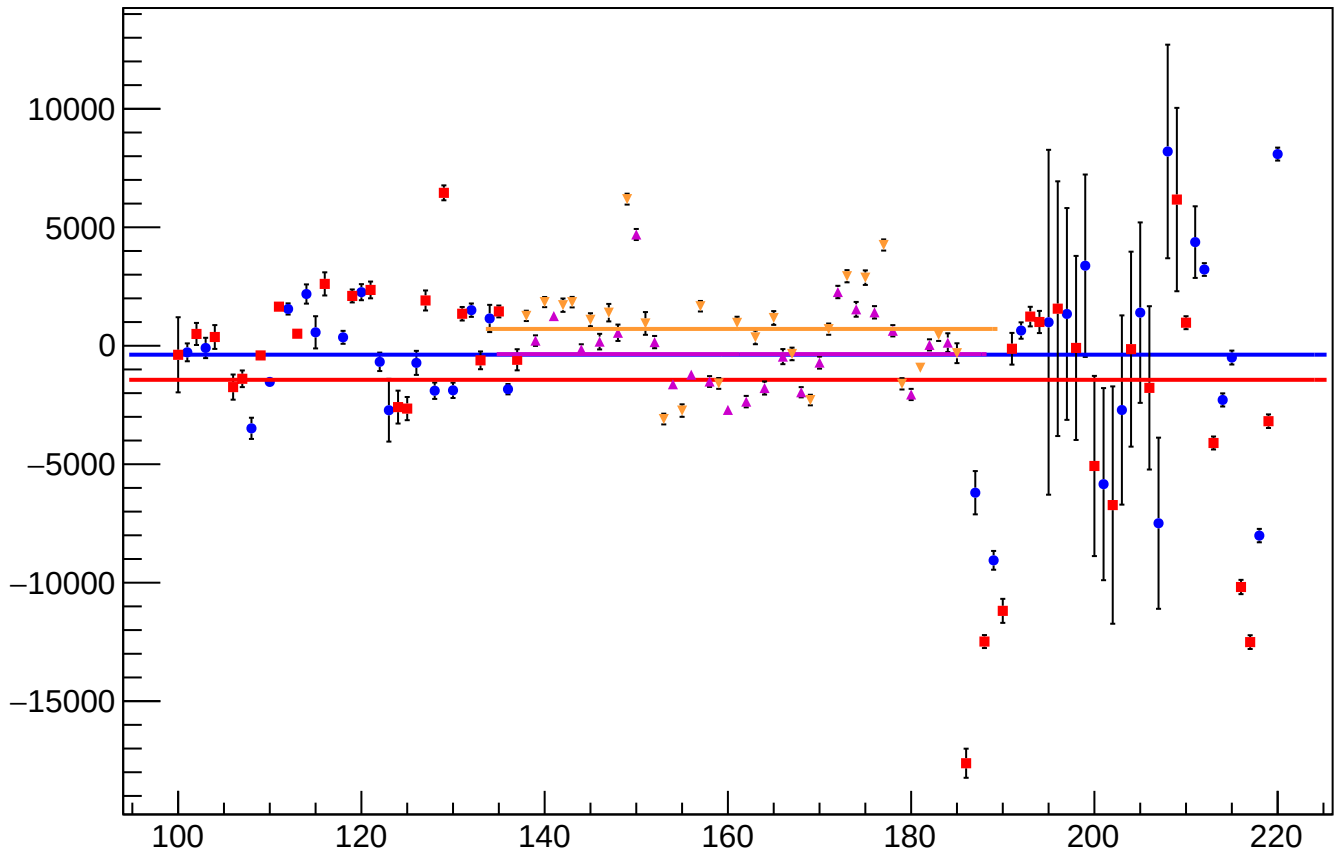
Right Out: 203.676+/-0.034 χ^2/NDF : 2718964.8/36

Left In: 203.101+/-0.036 χ^2/NDF : 1038013.0/22

+ sign 210.619+/-0.025 χ^2/NDF : 2788460.6/58

All: 206.947+/-0.018 χ^2/NDF : 6587668.0/118

- sign 203.399+/-0.025 χ^2/NDF : 3757113.5/59



Right In: -376.766 ± 65.114 $\chi^2/\text{NDF}: 2854.1/33$

Left Out: 710.238 ± 50.750 $\chi^2/\text{NDF}: 1932.3/24$

Right Out: -1437.629 ± 59.367 $\chi^2/\text{NDF}: 6953.8/36$

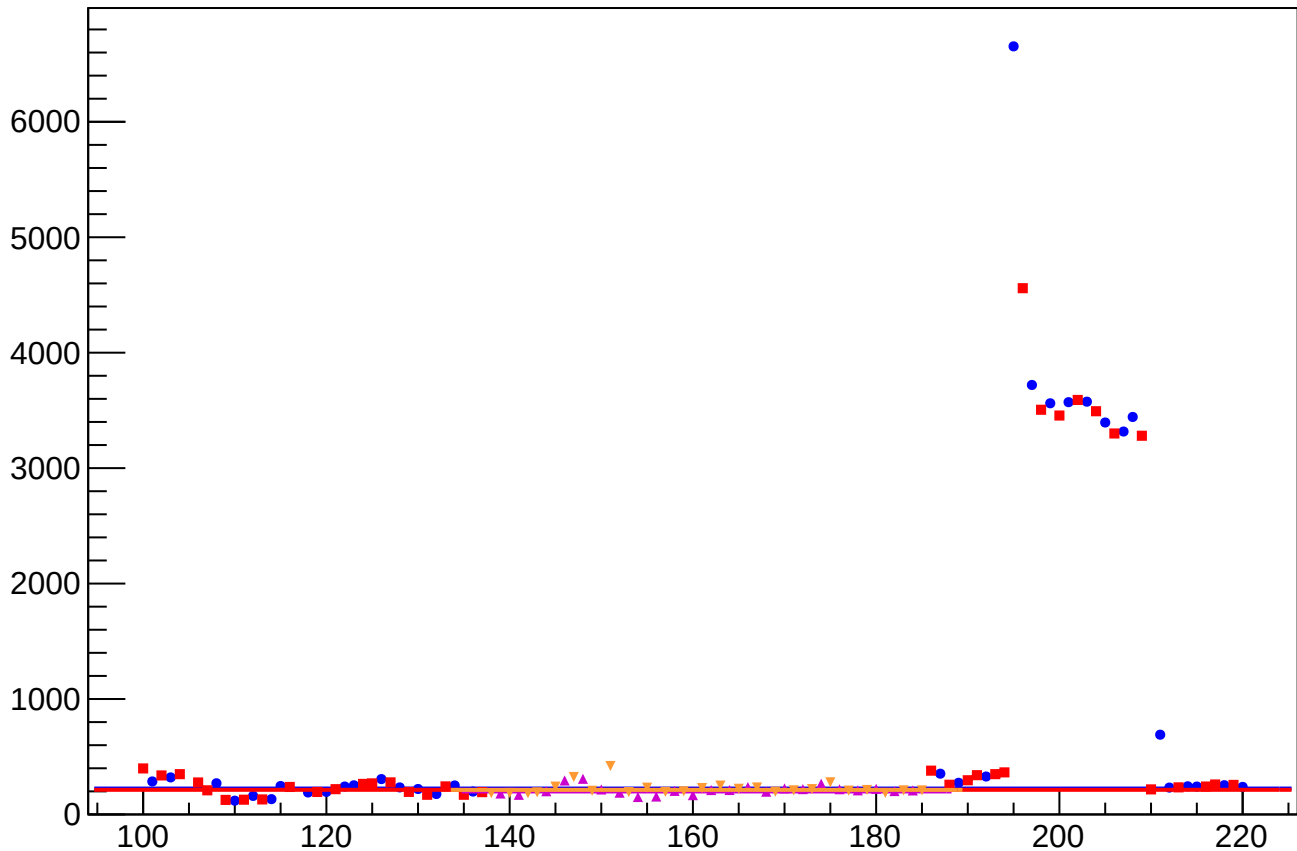
Left In: -352.432 ± 49.316 $\chi^2/\text{NDF}: 1233.1/22$

+ sign 299.451 ± 40.028 $\chi^2/\text{NDF}: 4959.7/58$

All: -277.417 ± 27.534 $\chi^2/\text{NDF}: 13738.5/118$

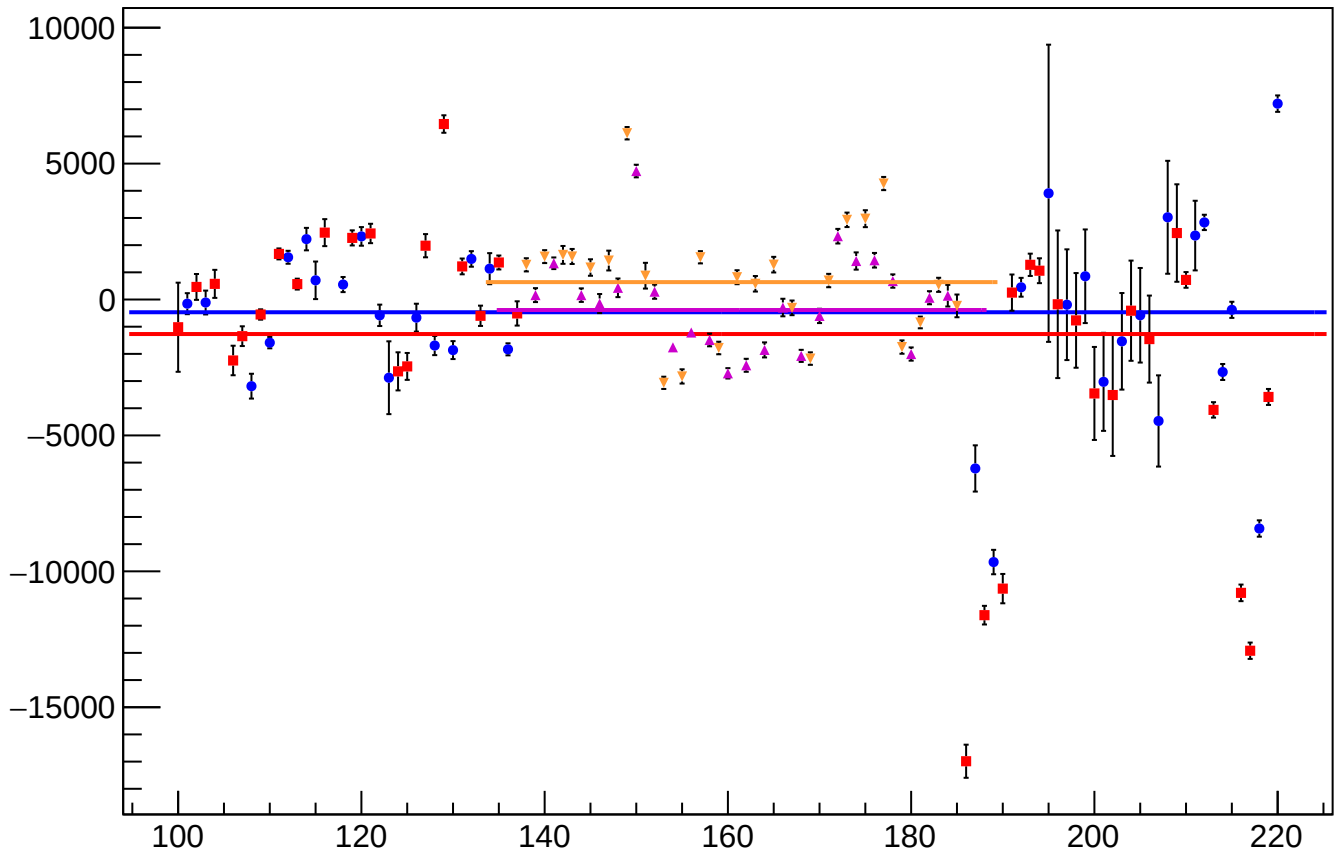
- sign -795.521 ± 37.935 $\chi^2/\text{NDF}: 8384.6/59$

asym_bpm0l08WS_rms vs Slug



Right In: 224.429 $\pm$ 0.046 χ^2 /NDF: 12560442.2/33 + sign 217.144 $\pm$ 0.028 χ^2 /NDF: 13516911.2/58
 Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24 All: 210.738 $\pm$ 0.019 χ^2 /NDF: 26526472.6/1
 Right Out: 213.450 $\pm$ 0.042 χ^2 /NDF: 11857655.0/36 - sign 204.984 $\pm$ 0.027 χ^2 /NDF: 12912326.6/59
 Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

asym_bpm0l09WS_mean vs Slug



Right In: -468.577 ± 66.647 χ^2/NDF : 2413.3/33

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: -1270.029 ± 60.947 χ^2/NDF : 6133.6/36

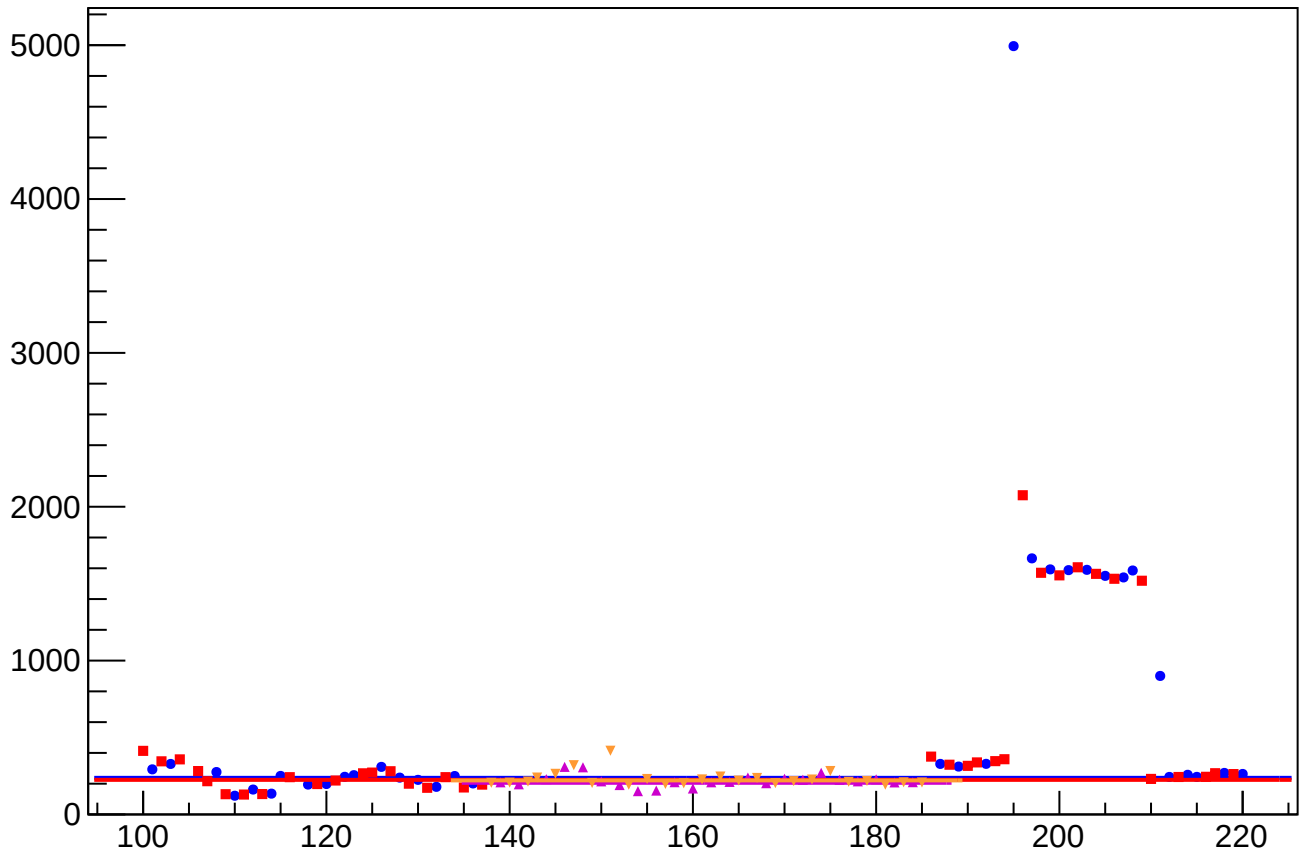
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 213.428 ± 41.342 χ^2/NDF : 4442.7/58

All: -295.086 ± 28.411 χ^2/NDF : 12224.7/118

- sign -750.170 ± 39.110 χ^2/NDF : 7495.3/59

asym_bpm0l09WS_rms vs Slug



Right In: 237.978+/-0.047 χ^2/NDF : 11335649.5/33

Left Out: 221.398+/-0.037 χ^2/NDF : 777833.8/24

Right Out: 224.879+/-0.043 χ^2/NDF : 10268960.9/36

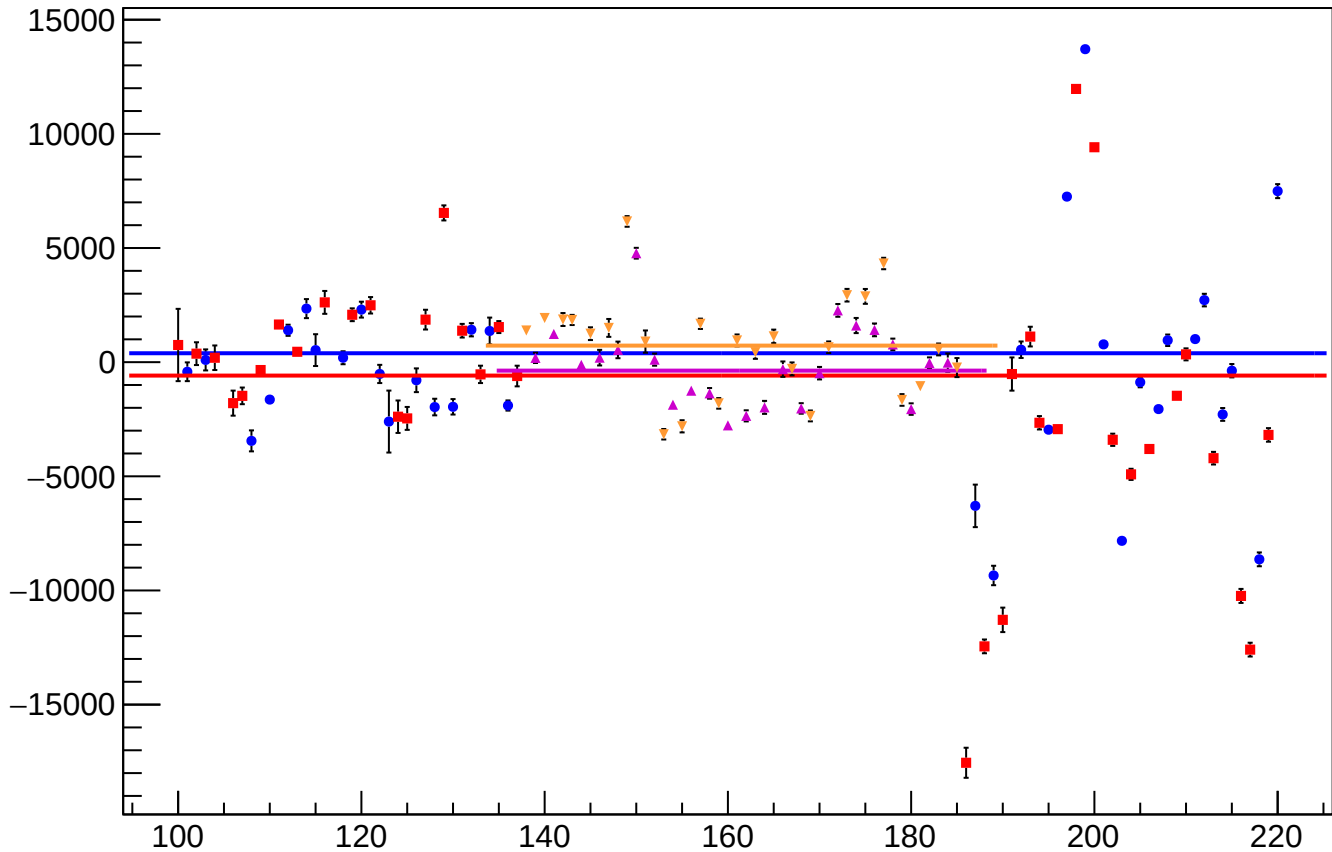
Left In: 205.803+/-0.036 χ^2/NDF : 994903.5/22

+ sign 227.778+/-0.029 χ^2/NDF : 12189629.4/58

All: 220.326+/-0.020 χ^2/NDF : 23691846.0/11

- sign 213.658+/-0.028 χ^2/NDF : 11379104.2/59

asym_bpm0l10WS_mean vs Slug



Right In: 390.799 $\pm$ 49.469 χ^2 /NDF: 10043.3/33

Left Out: 725.250 $\pm$ 52.307 χ^2 /NDF:1883.1/24

Right Out: -587.790 $\pm$ 49.148 χ^2 /NDF: 13114.1/36

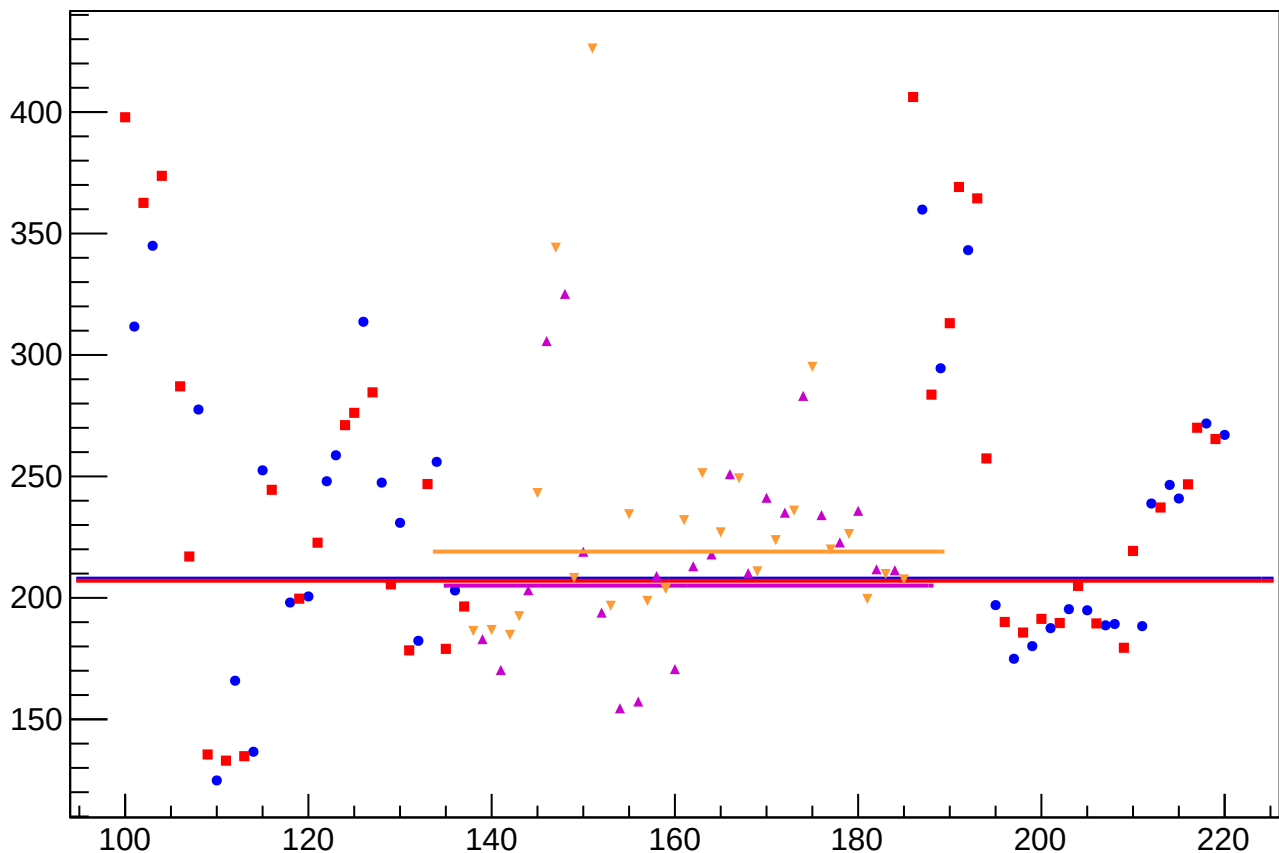
Left In: -370.408 $\pm$ 50.884 χ^2 /NDF:1223.2/22

+ sign 548.706 $\pm$ 35.941 χ^2 /NDF: 11948.0/58

All: 24.374 $\pm$ 25.203 χ^2 /NDF: 26713.4/118

- sign -482.870 $\pm$ 35.351 χ^2 /NDF: 14346.7/59

asym_bpm0l10WS_rms vs Slug



Right In: 207.914 $\pm$ 0.035 χ^2 /NDF: 1785240.7/33

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF:975564.4/24

Right Out: 207.061 $\pm$ 0.035 χ^2 /NDF: 2571435.5/36

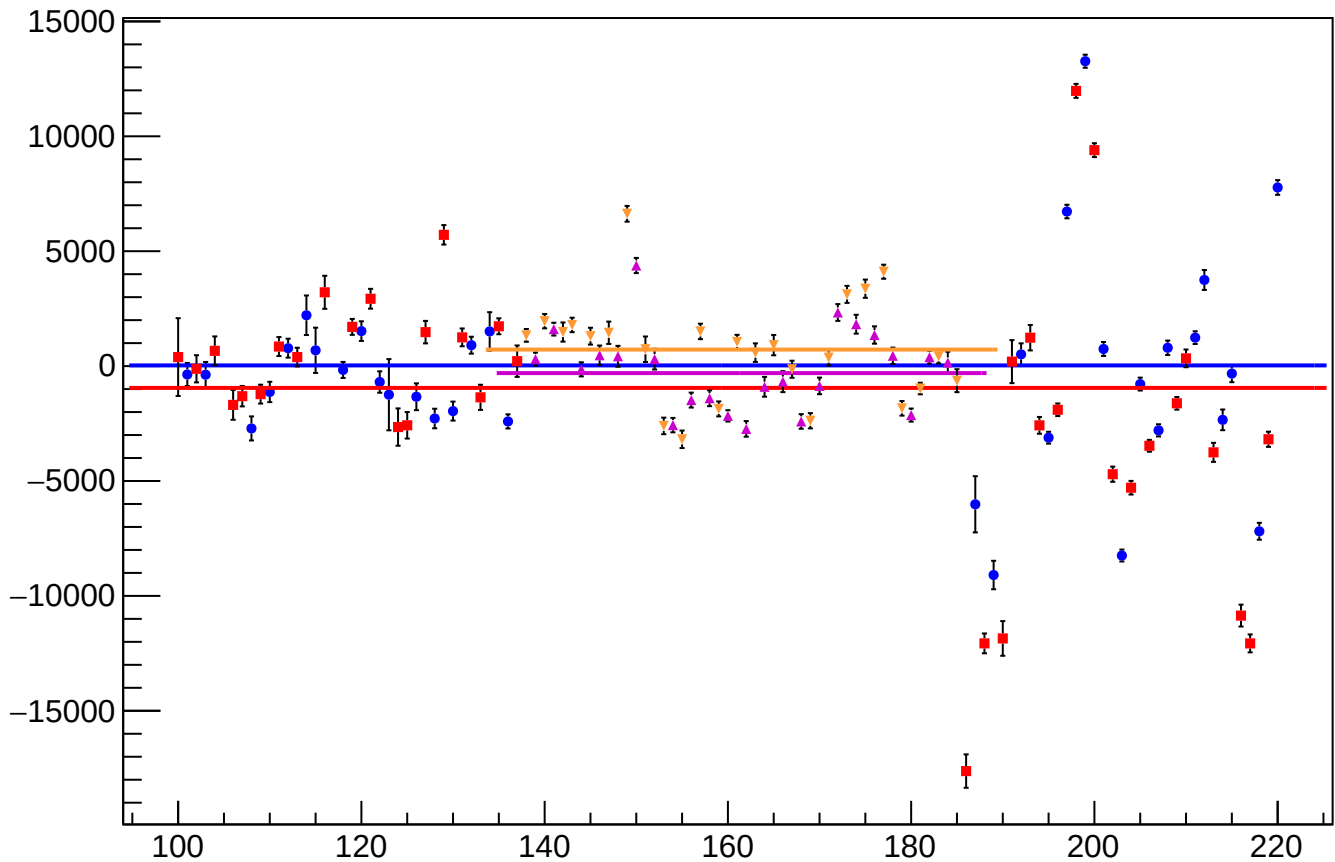
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF:1144197.1/22

+ sign 213.171 $\pm$ 0.025 χ^2 /NDF: 2808641.5/58

All: 209.571 $\pm$ 0.018 χ^2 /NDF: 6565370.6/118

- sign 206.089 $\pm$ 0.025 χ^2 /NDF: 3717254.3/59

asym_bpm0r03WS_mean vs Slug



Right In: 29.777 ± 65.430 $\chi^2/\text{NDF}: 5501.0/33$

Left Out: 718.705 ± 69.601 $\chi^2/\text{NDF}: 1018.5/24$

Right Out: -948.954 ± 67.622 $\chi^2/\text{NDF}: 6811.8/36$

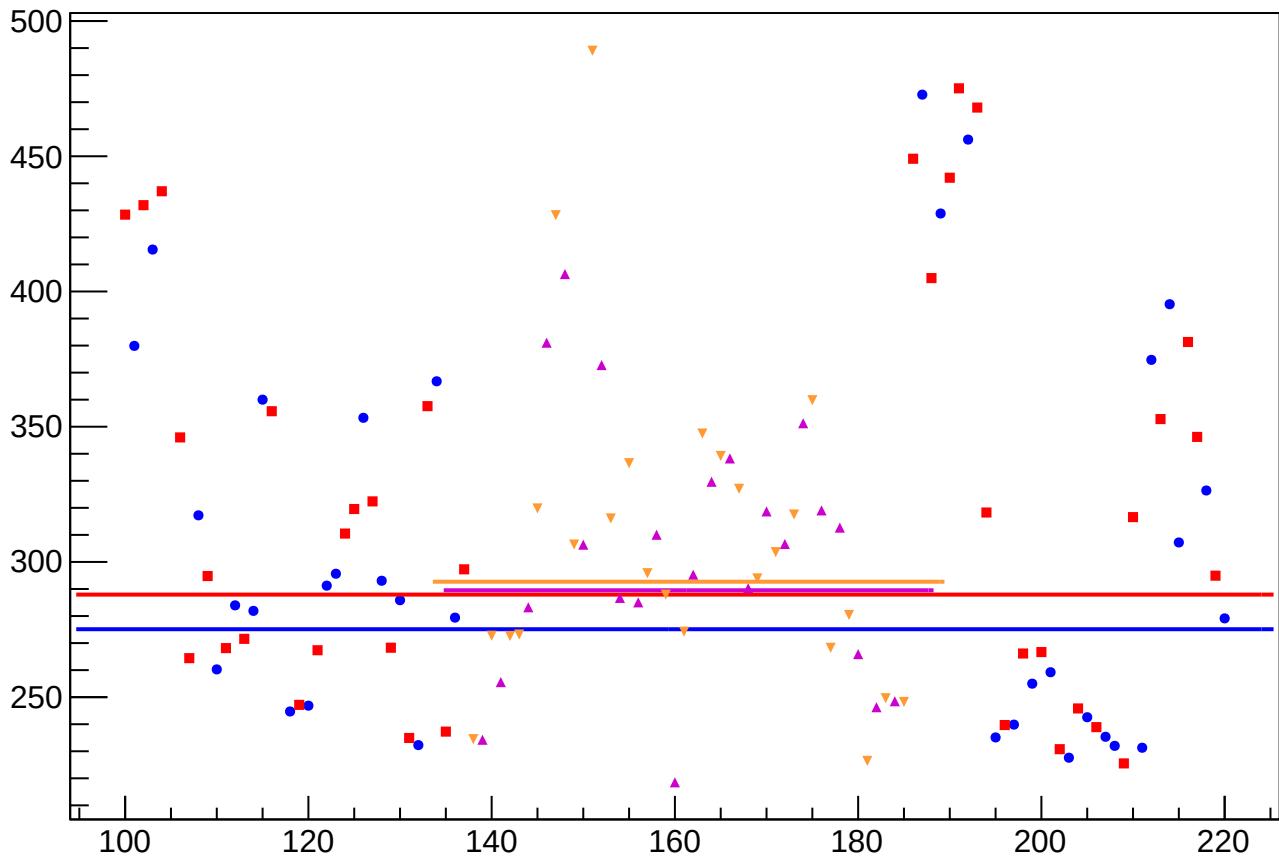
Left In: -304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

+ sign 352.983 ± 47.672 $\chi^2/\text{NDF}: 6571.5/58$

All: -131.361 ± 34.153 $\chi^2/\text{NDF}: 14282.1/118$

- sign -642.071 ± 48.953 $\chi^2/\text{NDF}: 7498.6/59$

asym_bpm0r03WS_rms vs Slug



Right In: 275.121+/-0.046 χ^2/NDF : 1448237.1/33

Left Out: 292.686+/-0.049 χ^2/NDF : 925193.6/24

Right Out: 287.928+/-0.048 χ^2/NDF : 1633570.4/36

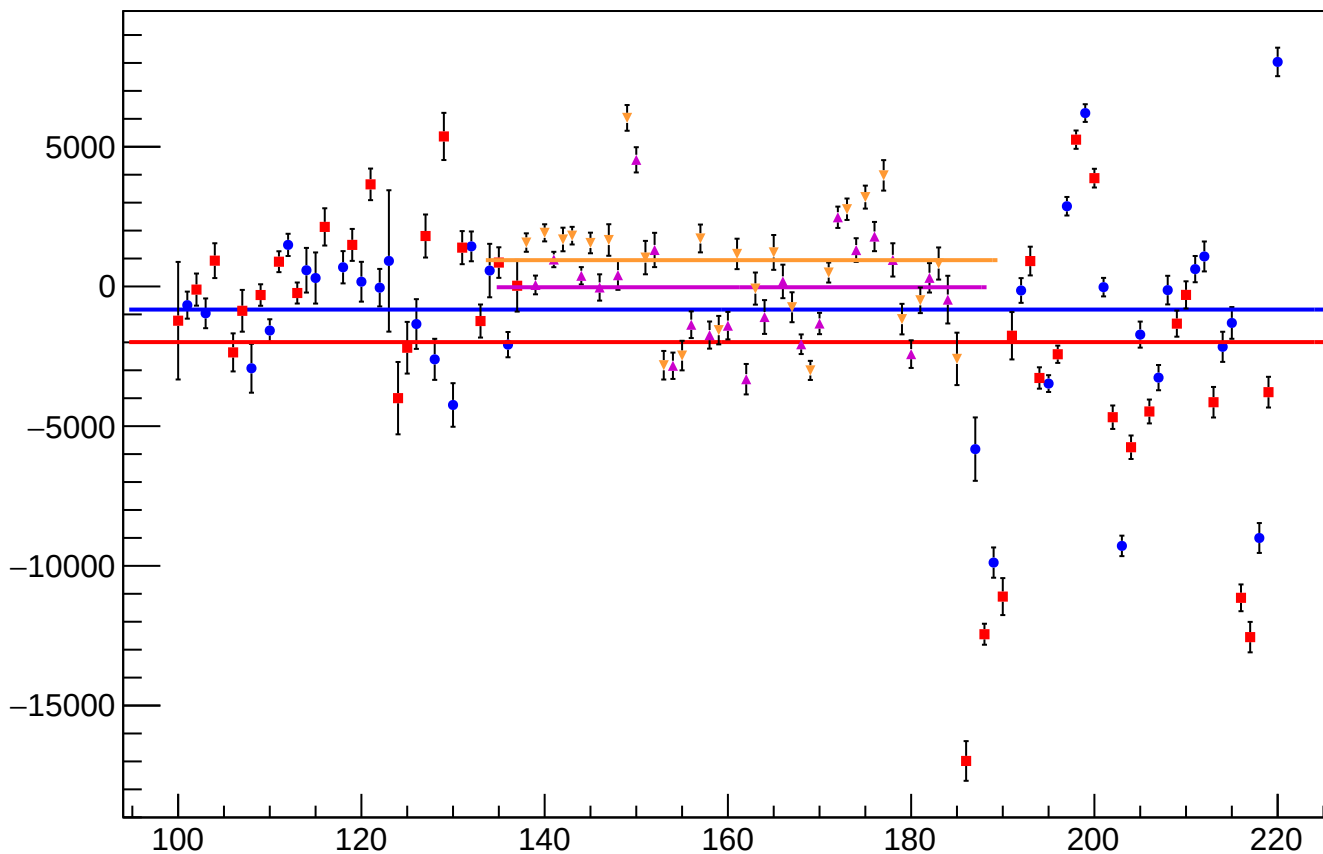
Left In: 289.522+/-0.050 χ^2/NDF : 777901.0/22

+ sign 283.361+/-0.034 χ^2/NDF : 2441051.7/58

All: 285.953+/-0.024 χ^2/NDF : 4865199.3/118

- sign 288.687+/-0.035 χ^2/NDF : 2411999.9/59

asym_bpm0r05WS_mean vs Slug



Right In: -826.907 ± 85.412 $\chi^2/\text{NDF}: 2246.0/33$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -1991.200 ± 82.690 $\chi^2/\text{NDF}: 3664.0/36$

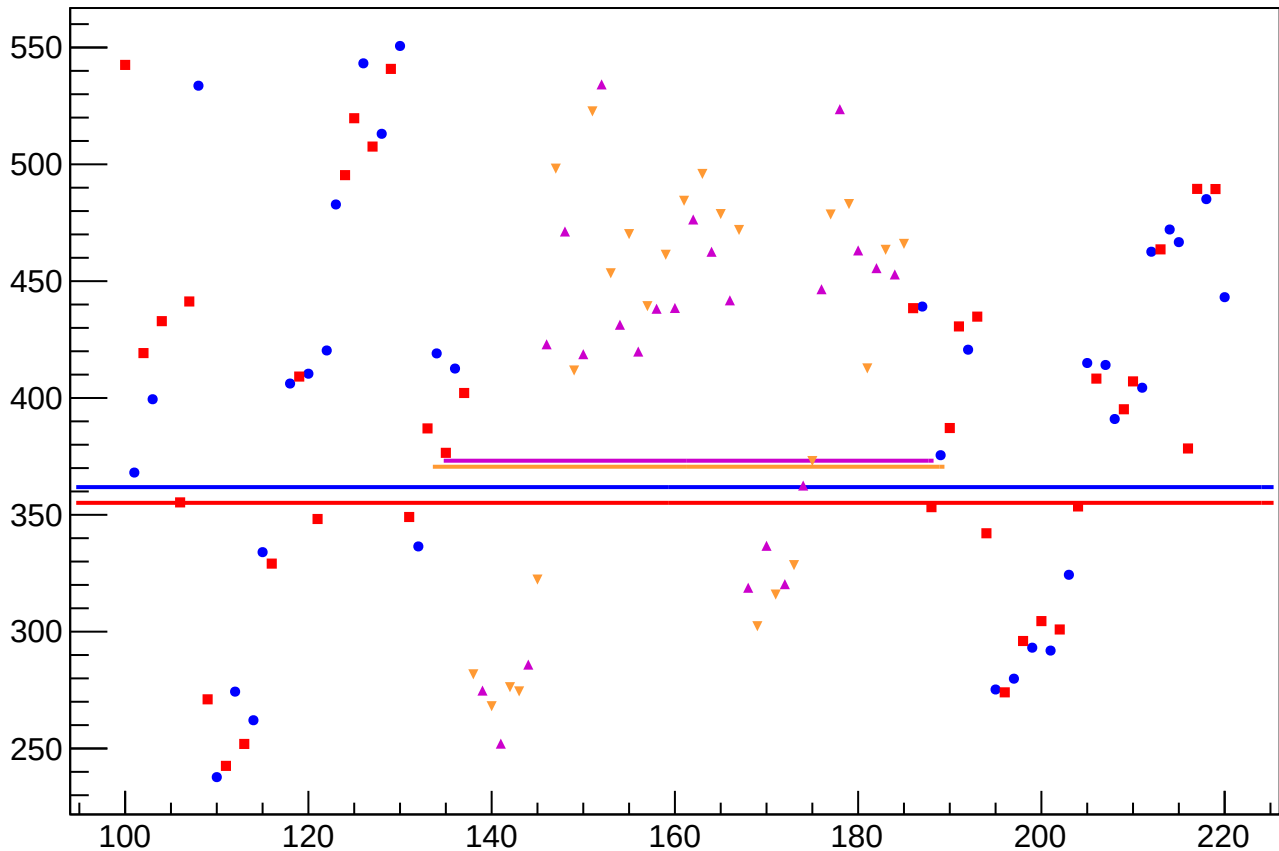
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign 19.805 ± 61.664 $\chi^2/\text{NDF}: 2995.8/58$

All: -549.360 ± 43.580 $\chi^2/\text{NDF}: 7443.5/118$

- sign -1117.306 ± 61.598 $\chi^2/\text{NDF}: 4277.5/59$

asym_bpm0r05WS_rms vs Slug



Right In: 361.859+/-0.060 χ^2/NDF : 1762365.1/33

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 355.128+/-0.058 χ^2/NDF : 1595935.0/36

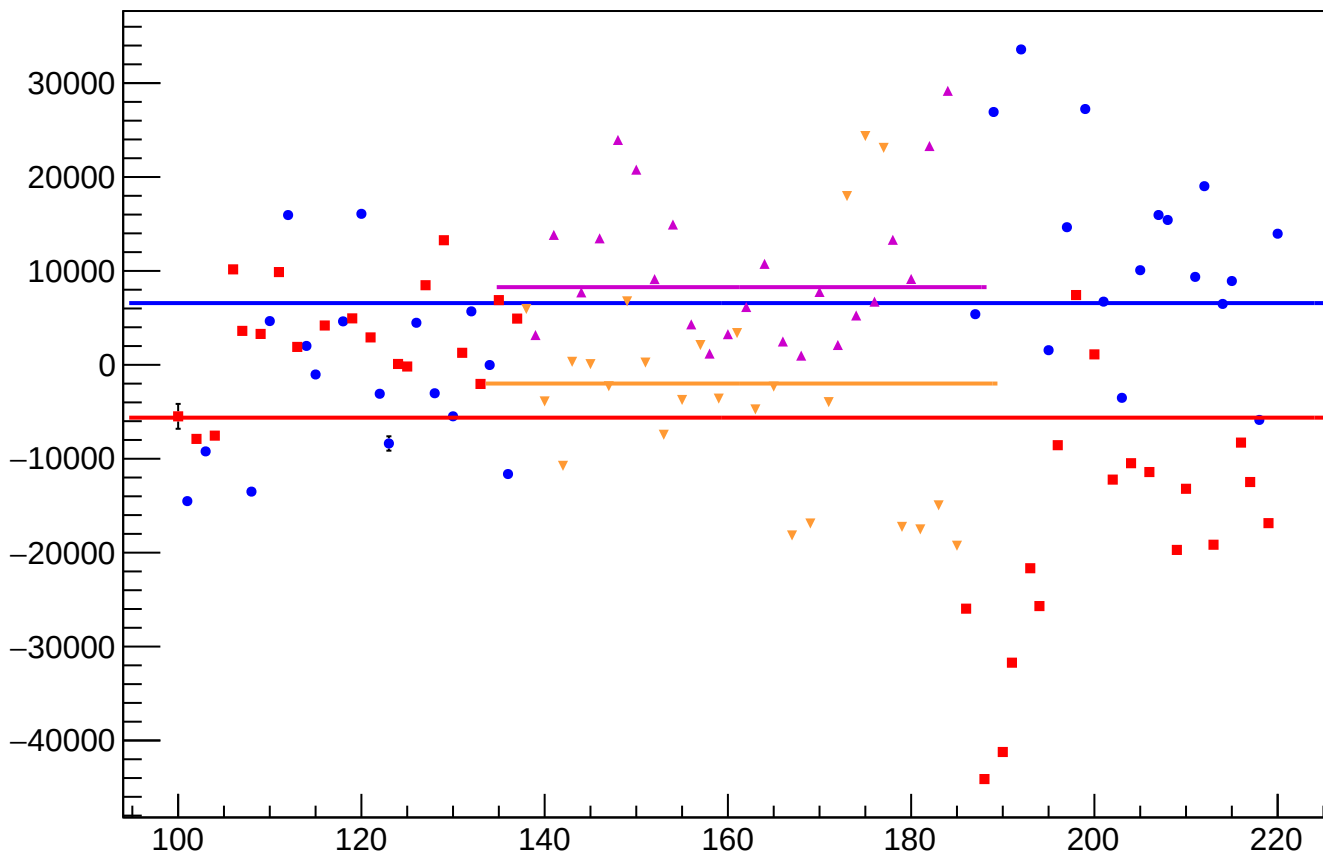
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 366.034+/-0.044 χ^2/NDF : 3650464.9/58

All: 364.593+/-0.031 χ^2/NDF : 6927160.5/118

- sign 363.154+/-0.044 χ^2/NDF : 3274511.6/59

asym_bpm0i02WS_mean vs Slug



Right In: 6574.996 $\pm$ 38.727 χ^2 /NDF: 96925.9/33

Left Out: -1991.788 $\pm$ 42.427 χ^2 /NDF:63766.6/24

Right Out: -5624.144 $\pm$ 37.551 χ^2 /NDF: 146871.1/36

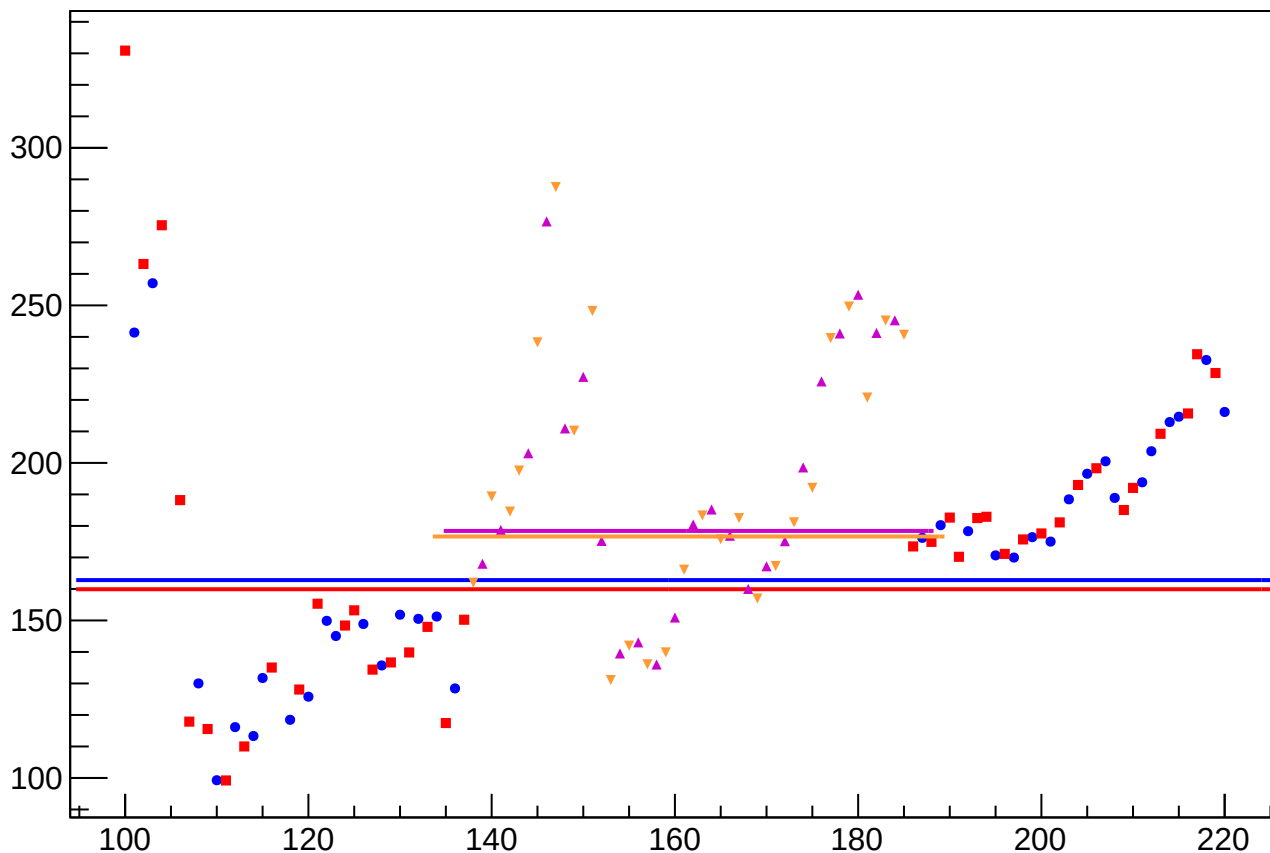
Left In: 8273.228 $\pm$ 44.301 χ^2 /NDF:22870.2/22

+ sign 2681.399 $\pm$ 28.603 χ^2 /NDF: 182933.4/58

All: 1435.692 $\pm$ 20.240 χ^2 /NDF: 413738.6/11

- sign 186.272 $\pm$ 28.645 χ^2 /NDF: 227006.0/59

asym_bpm0i02WS_rms vs Slug



Right In: 162.807 $\pm$ 0.027 χ^2 /NDF: 1872267.7/33

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 159.906 $\pm$ 0.027 χ^2 /NDF: 2145050.8/36

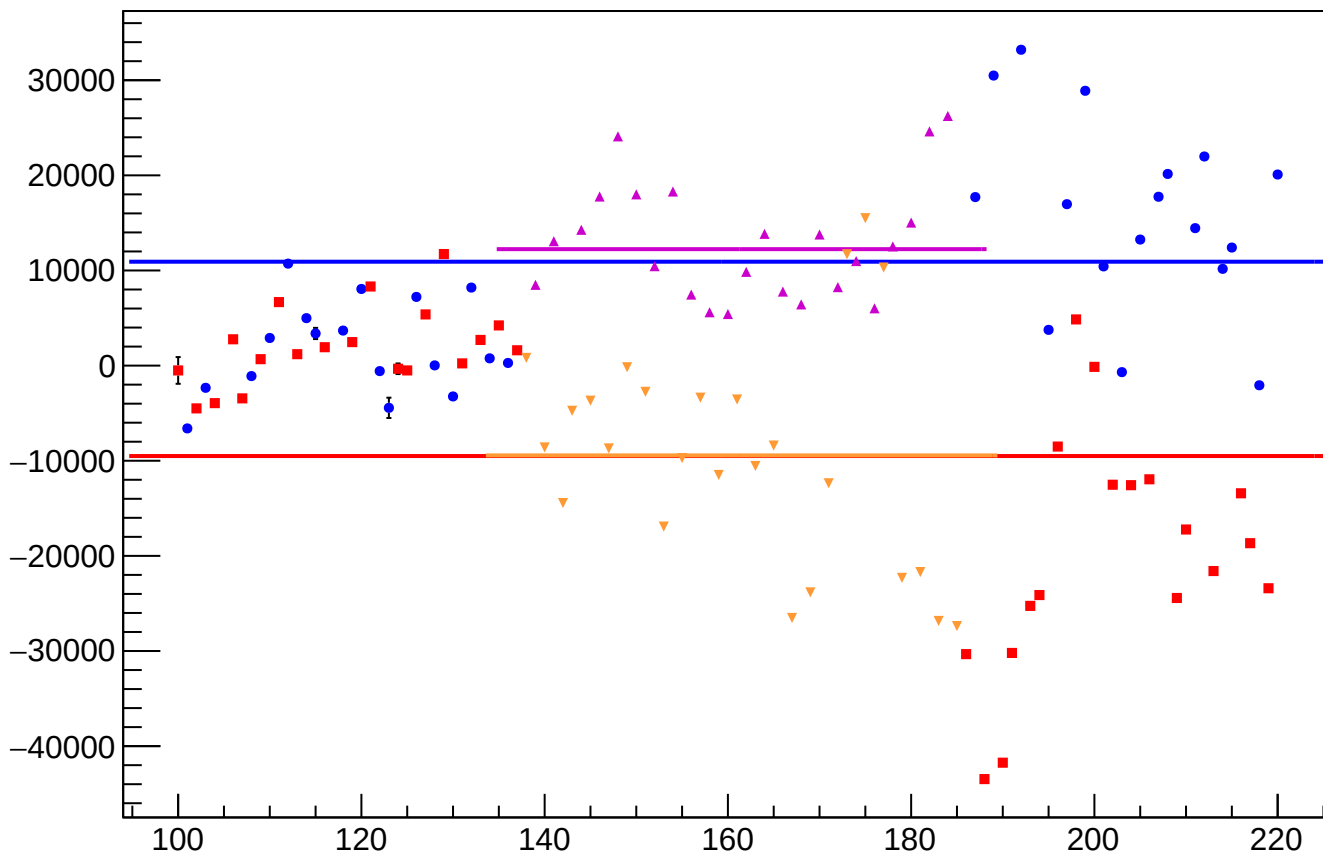
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 169.094 $\pm$ 0.020 χ^2 /NDF: 3539311.5/58

All: 168.370 $\pm$ 0.014 χ^2 /NDF: 7183782.9/118

- sign 167.644 $\pm$ 0.020 χ^2 /NDF: 3641903.3/59

asym_bpm0i02aWS_mean vs Slug



Right In: 10921.947+/-42.381 χ^2/NDF : 58964.7/33

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -9506.011+/-41.283 χ^2/NDF : 120349.6/36

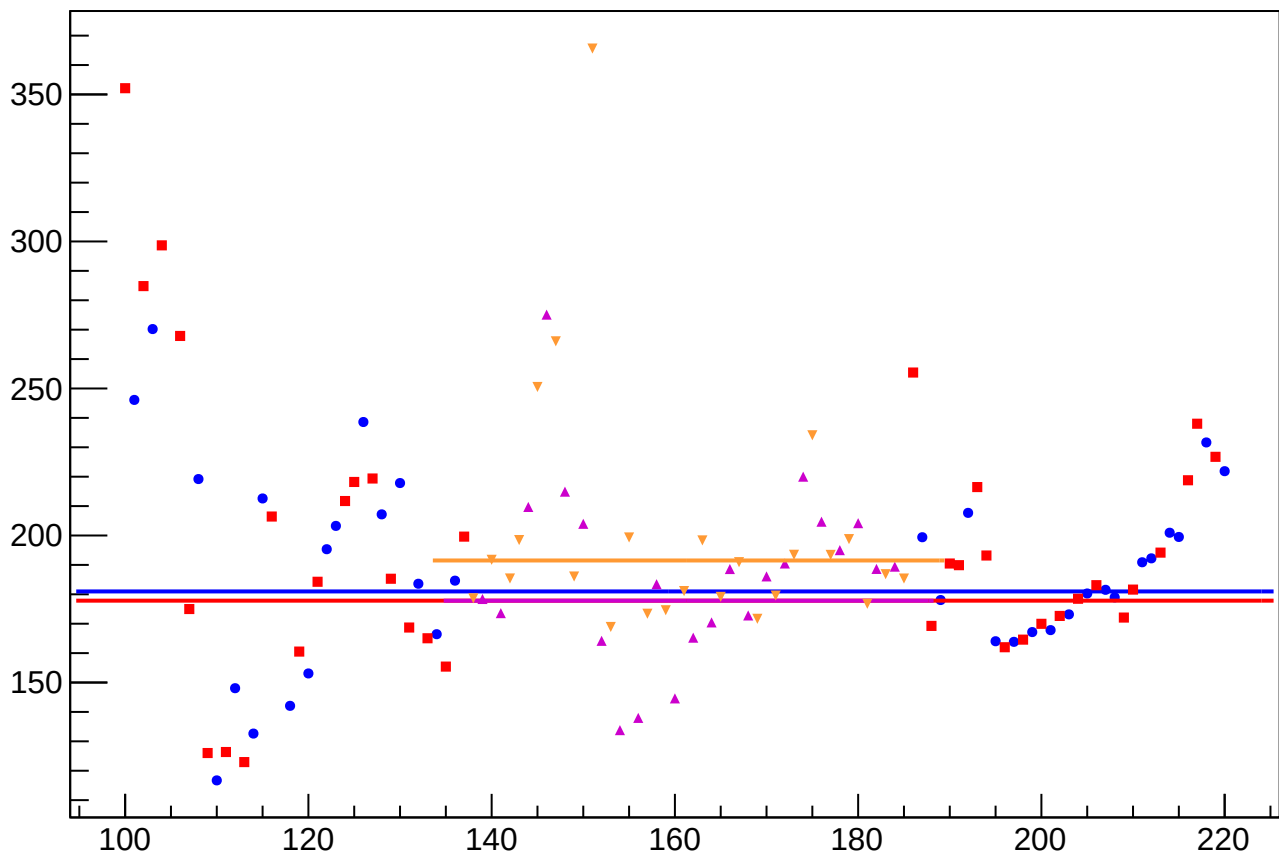
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign 1471.465+/-31.023 χ^2/NDF : 228303.9/58

All: 1068.574+/-21.599 χ^2/NDF : 495702.6/11

- sign 689.593+/-30.088 χ^2/NDF : 267071.4/59

asym_bpm0i02aWS_rms vs Slug



Right In: 180.978+/-0.030 χ^2/NDF : 953796.8/33

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 177.840+/-0.029 χ^2/NDF : 1388827.0/36

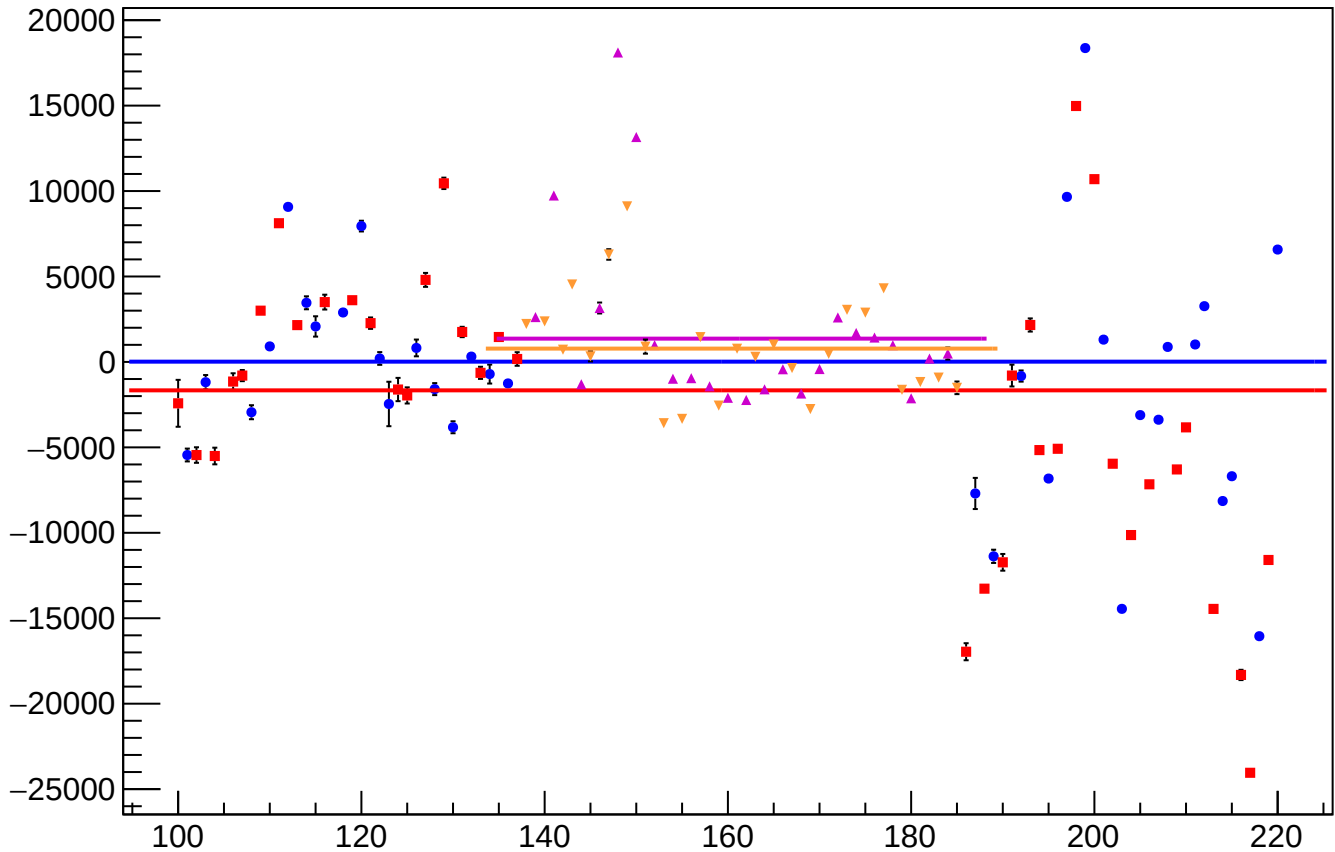
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 185.866+/-0.022 χ^2/NDF : 1738340.0/58

All: 181.726+/-0.015 χ^2/NDF : 4058777.3/118

- sign 177.832+/-0.021 χ^2/NDF : 2251321.5/59

asym_bpm0i05WS_mean vs Slug



Right In: 15.878+/-47.416 χ^2/NDF : 26067.8/33

Left Out: 779.983+/-47.457 χ^2/NDF :4260.8/24

Right Out: -1663.290+/-46.406 χ^2/NDF : 35770.8/36

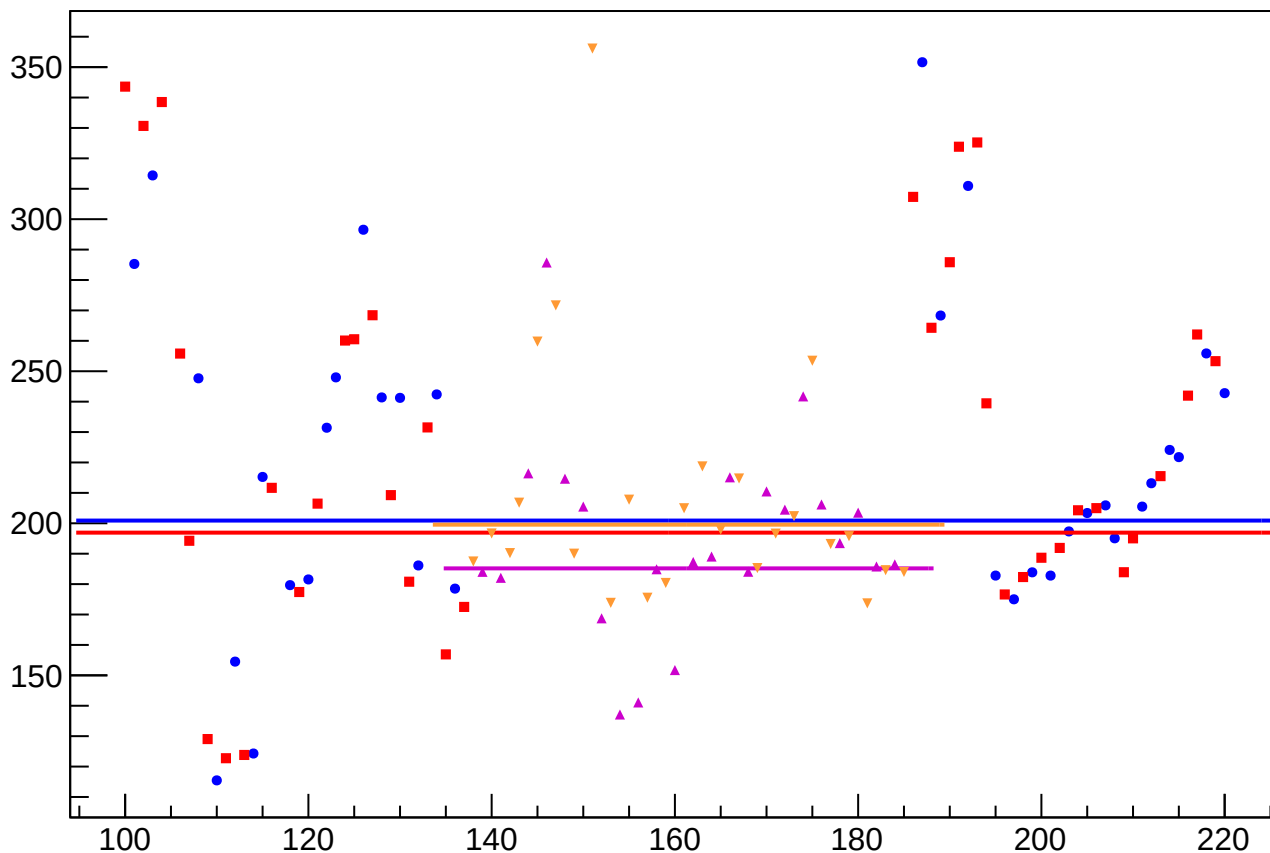
Left In: 1363.043+/-45.807 χ^2/NDF :11632.9/22

+ sign 397.594+/-33.543 χ^2/NDF : 30458.3/58

All: 126.044+/-23.378 χ^2/NDF : 80143.4/118

- sign -130.457+/-32.600 χ^2/NDF : 49557.7/59

asym_bpm0i05WS_rms vs Slug



Right In: 200.894 $\pm$ 0.034 χ^2 /NDF: 1594403.0/33

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 196.925 $\pm$ 0.033 χ^2 /NDF: 2402441.1/36

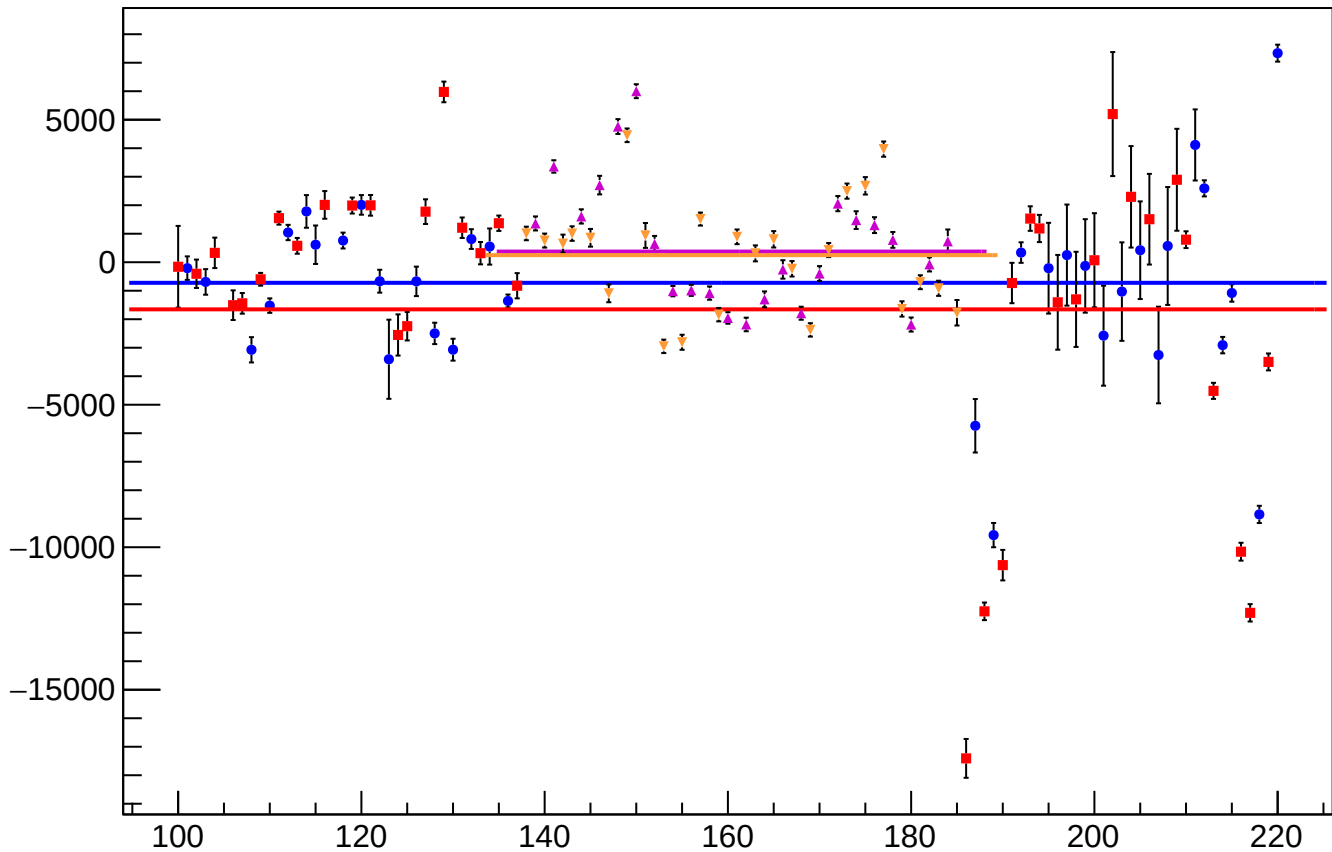
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 200.221 $\pm$ 0.024 χ^2 /NDF: 2324566.2/58

All: 195.465 $\pm$ 0.017 χ^2 /NDF: 5752965.1/118

- sign 190.972 $\pm$ 0.023 χ^2 /NDF: 3350191.4/59

asym_bpm0i07WS_mean vs Slug



Right In: -722.440 ± 70.348 χ^2/NDF : 2432.6/33

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -1653.608 ± 65.299 χ^2/NDF : 5640.1/36

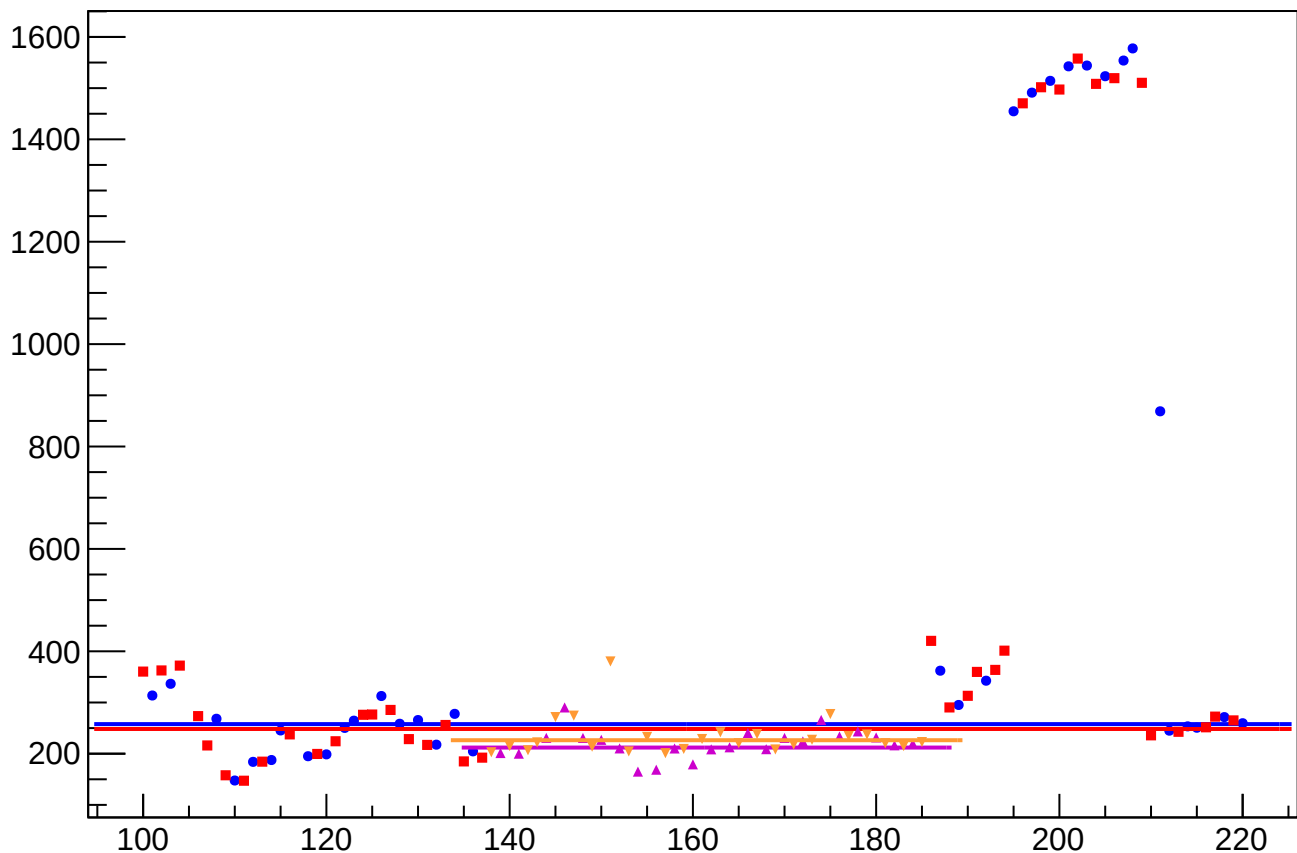
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -108.166 ± 42.612 χ^2/NDF : 3908.2/58

All: -267.924 ± 29.432 χ^2/NDF : 11965.8/118

- sign -413.676 ± 40.701 χ^2/NDF : 8030.8/59

asym_bpm0i07WS_rms vs Slug



Right In: 257.777 $\pm$ 0.050 χ^2 /NDF: 10151450.0/33

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 248.287 $\pm$ 0.046 χ^2 /NDF: 9294733.7/36

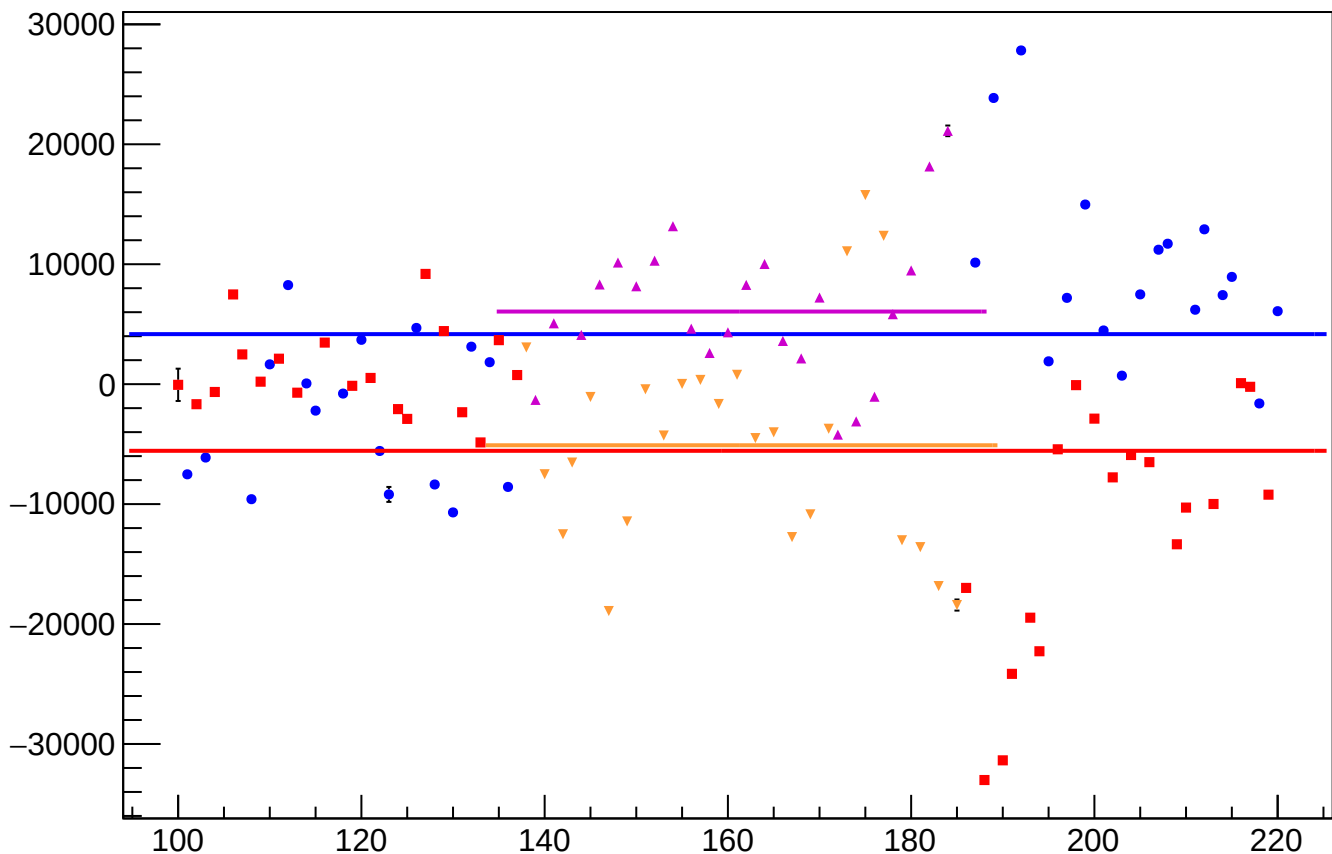
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 237.863 $\pm$ 0.030 χ^2 /NDF: 10925645.9/58

All: 231.701 $\pm$ 0.021 χ^2 /NDF: 21262981.4/11

- sign 226.080 $\pm$ 0.029 χ^2 /NDF: 10257358.7/59

asym_bpm1i02WS_mean vs Slug



Right In: 4170.869+/-32.932 χ^2/NDF : 80876.8/33

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5557.266+/-31.715 χ^2/NDF : 105365.4/36

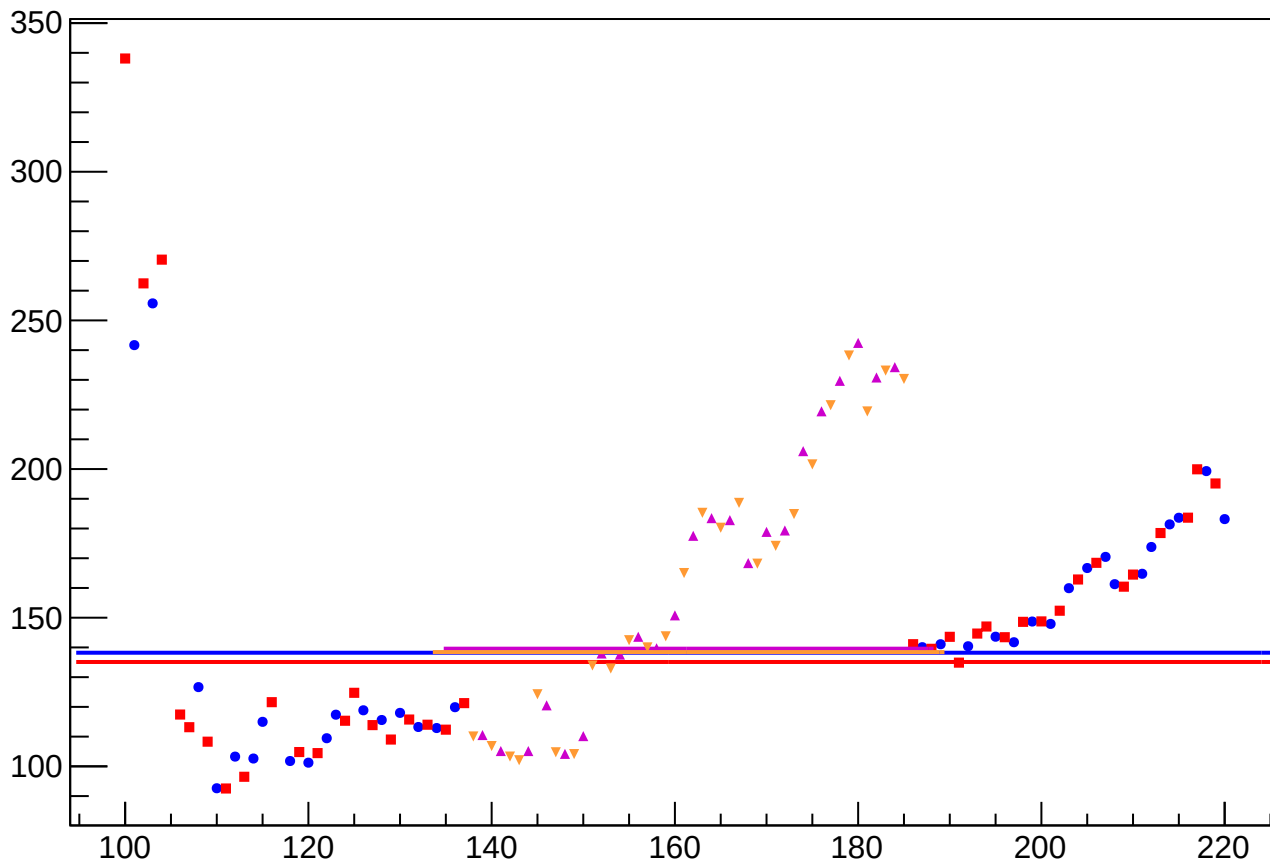
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -354.929+/-23.554 χ^2/NDF : 173941.4/58

All: -338.317+/-16.637 χ^2/NDF : 357331.8/11

- sign -321.779+/-23.501 χ^2/NDF : 183389.5/59

asym_bpm1i02WS_rms vs Slug



Right In: 138.219+/-0.023 χ^2/NDF : 1883008.8/33

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 135.104+/-0.022 χ^2/NDF : 2016763.8/36

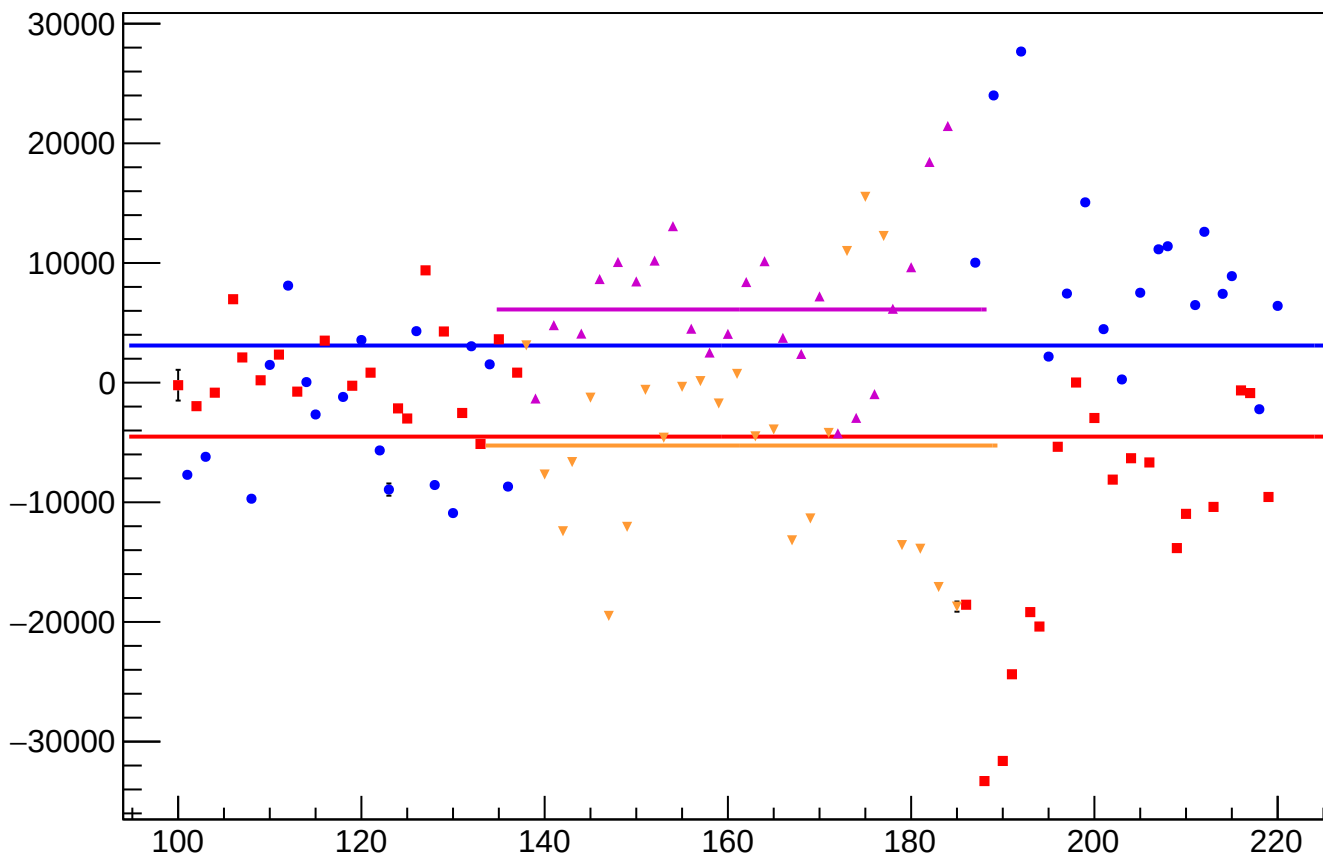
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 138.325+/-0.017 χ^2/NDF : 4432486.9/58

All: 137.722+/-0.012 χ^2/NDF : 8883468.9/118

- sign 137.121+/-0.017 χ^2/NDF : 4448365.8/59

asym_bpm1i04WS_mean vs Slug



Right In: 3102.498+/-29.656 χ^2/NDF : 91955.2/33

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -4510.865+/-28.609 χ^2/NDF : 114998.4/36

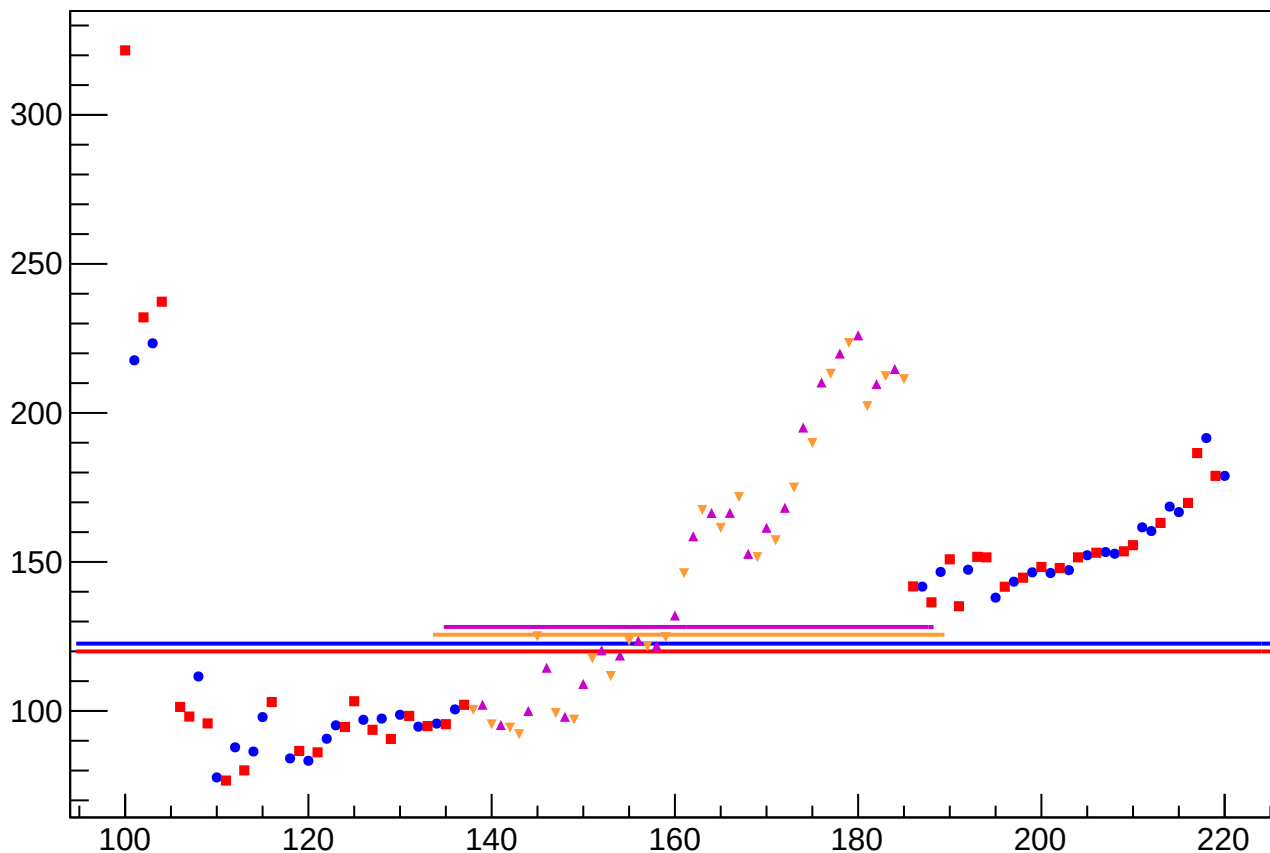
Left In: 6114.901+/-32.126 χ^2/NDF : 21260.9/22

+ sign -942.671+/-21.303 χ^2/NDF : 194723.2/58

All: -378.539+/-15.086 χ^2/NDF : 393401.8/11

- sign 188.882+/-21.365 χ^2/NDF : 197272.0/59

asym_bpm1i04WS_rms vs Slug



Right In: 122.593+/-0.021 χ^2/NDF : 2814147.6/33

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 119.974+/-0.020 χ^2/NDF : 2985874.4/36

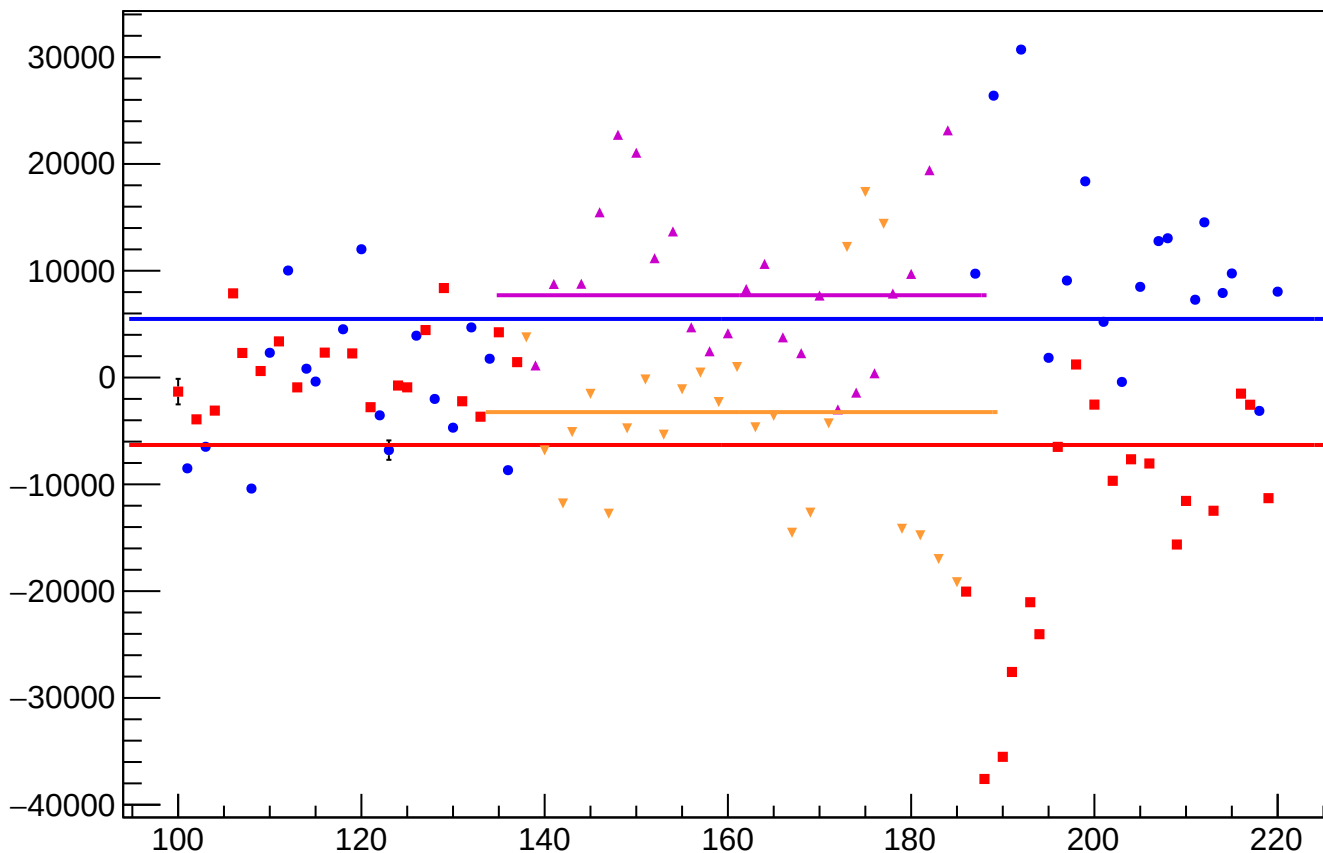
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 124.037+/-0.015 χ^2/NDF : 5419704.8/58

All: 123.822+/-0.011 χ^2/NDF : 10811815.8/11

- sign 123.605+/-0.015 χ^2/NDF : 5391700.6/59

asym_bpm1i06WS_mean vs Slug



Right In: 5487.473 ± 39.100 χ^2/NDF : 64034.3/33

Left Out: -3234.922 ± 40.583 χ^2/NDF : 36739.9/24

Right Out: -6314.758 ± 37.663 χ^2/NDF : 94346.0/36

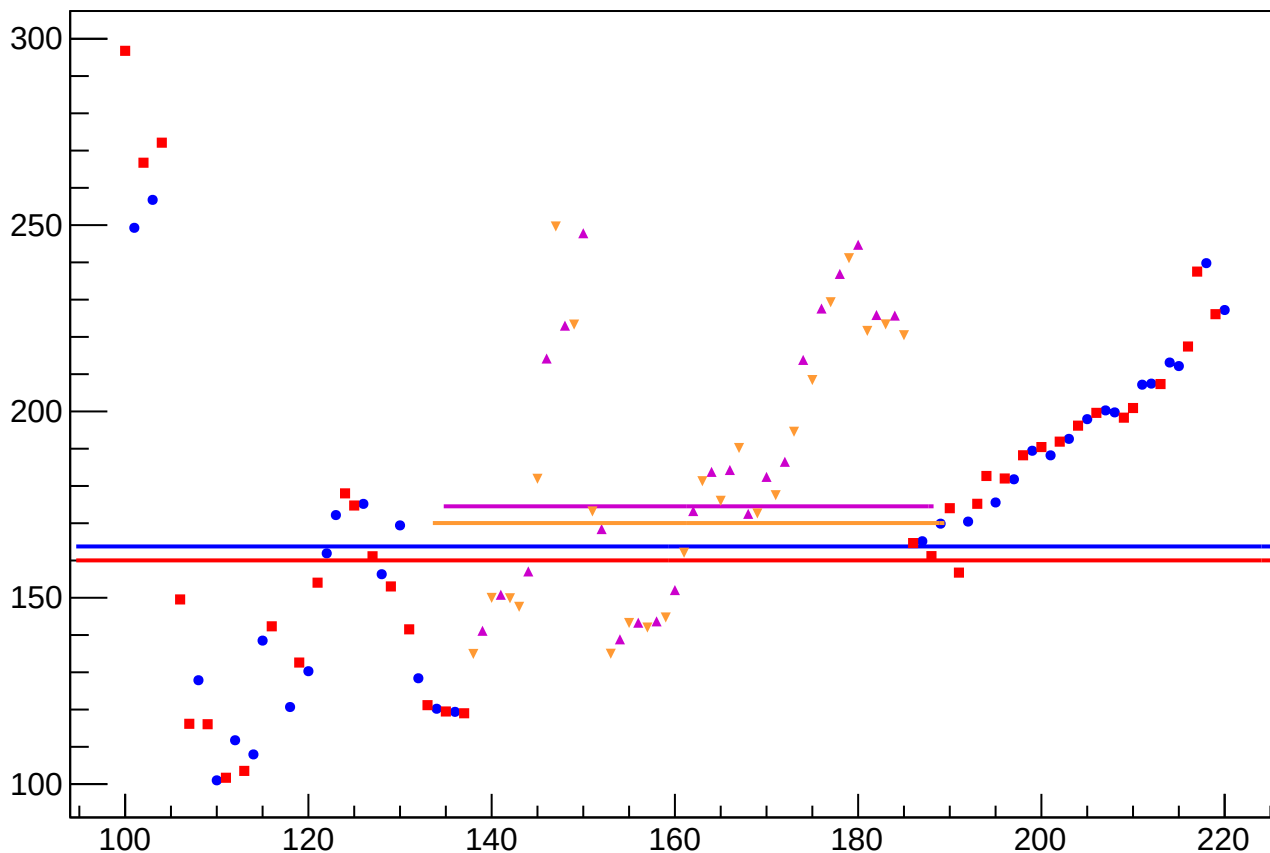
Left In: 7707.068 ± 42.990 χ^2/NDF : 21268.3/22

+ sign 1288.481 ± 28.158 χ^2/NDF : 124730.6/58

All: 535.828 ± 19.971 χ^2/NDF : 301971.0/118

- sign -226.006 ± 28.329 χ^2/NDF : 175802.8/59

asym_bpm1i06WS_rms vs Slug



Right In: 163.770 $\pm$ 0.028 χ^2 /NDF: 2192023.4/33

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 160.027 $\pm$ 0.027 χ^2 /NDF: 2307812.7/36

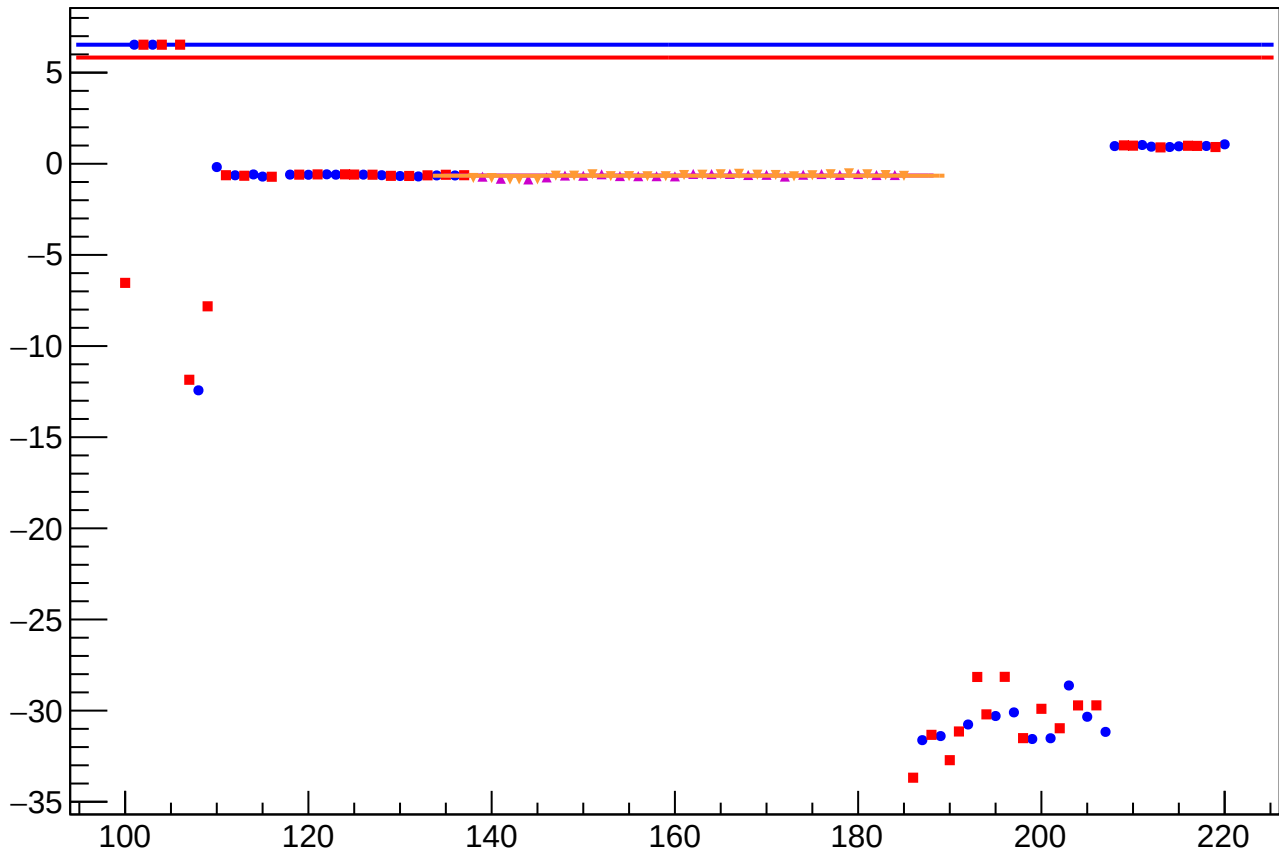
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 166.793 $\pm$ 0.020 χ^2 /NDF: 3457722.4/58

All: 166.562 $\pm$ 0.014 χ^2 /NDF: 7104813.7/118

- sign 166.329 $\pm$ 0.020 χ^2 /NDF: 3646821.1/59

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 140605315378.4/33

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755956015700050.8/36

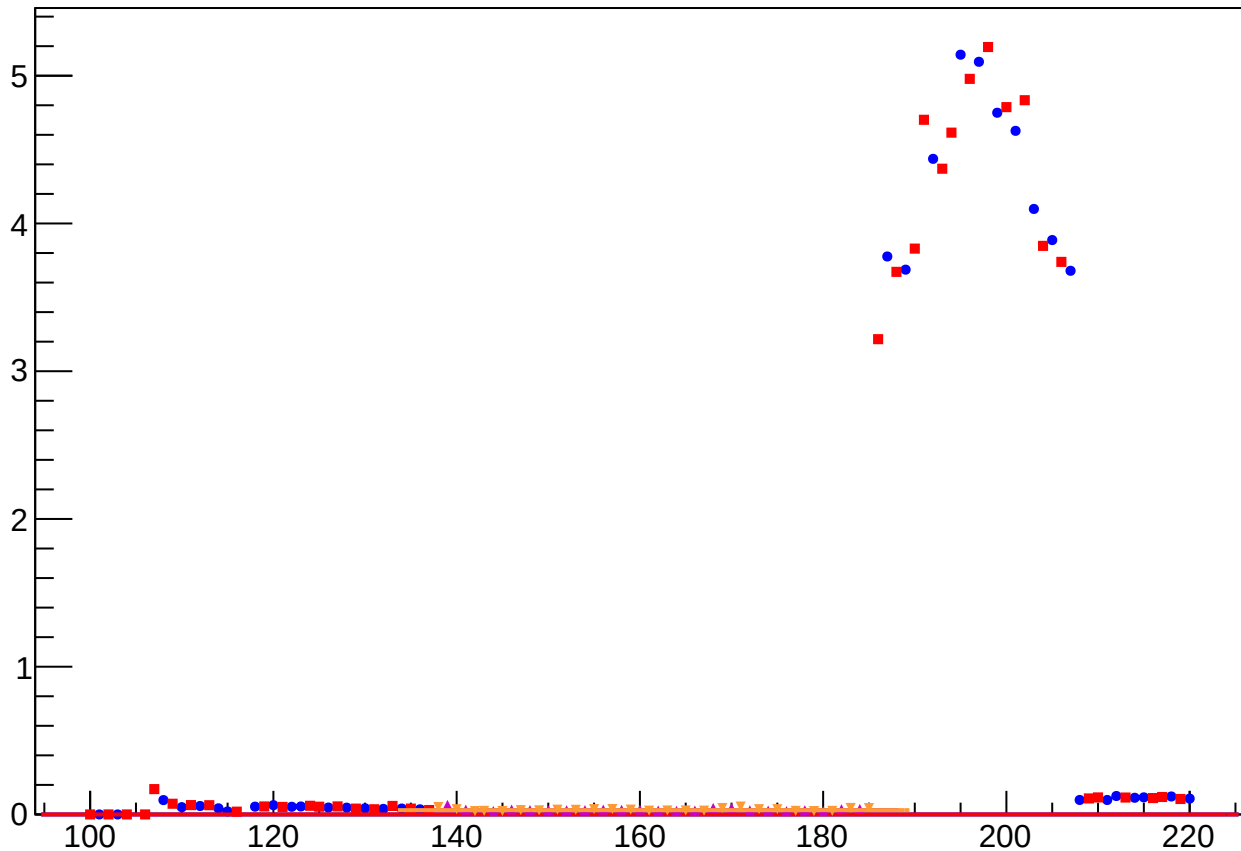
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1011987319616.8/58

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762263374241

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756627356303406.4/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 32867584.2/33

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 33479010.5/36

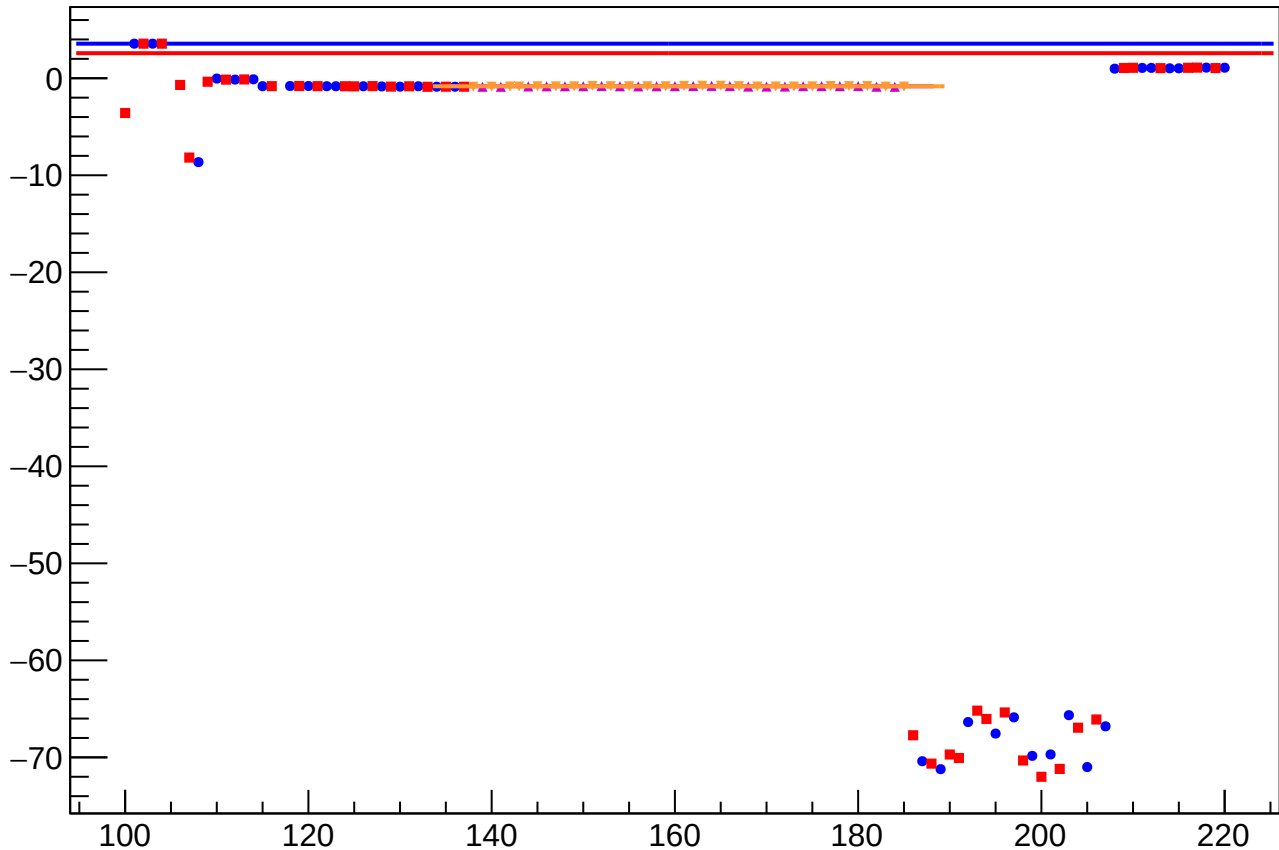
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 62737799.9/58

All: 0.000+/-0.000 χ^2/NDF : 124182432.7/118

- sign 0.000+/-0.000 χ^2/NDF : 61443874.3/59

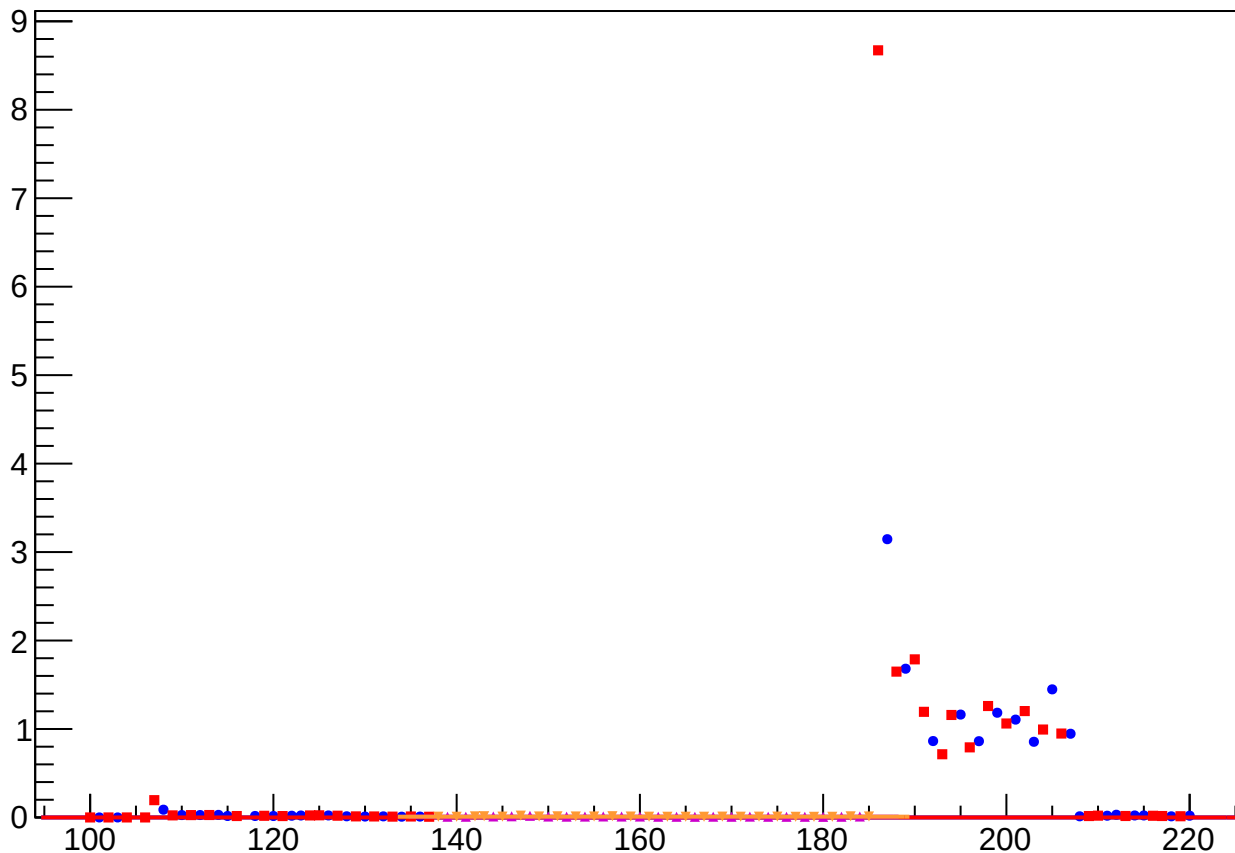
yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 596690855583.5/33
 Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24
 Right Out: 2.583+/-0.000 χ^2/NDF : 1253568542000589.8/36
 Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4278618470995.0/58
 All: 3.037+/-0.000 χ^2/NDF : 13881148044258
 - sign 2.581+/-0.000 χ^2/NDF : 1255768490709192.5

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 29839262.7/33

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 31060939.3/36

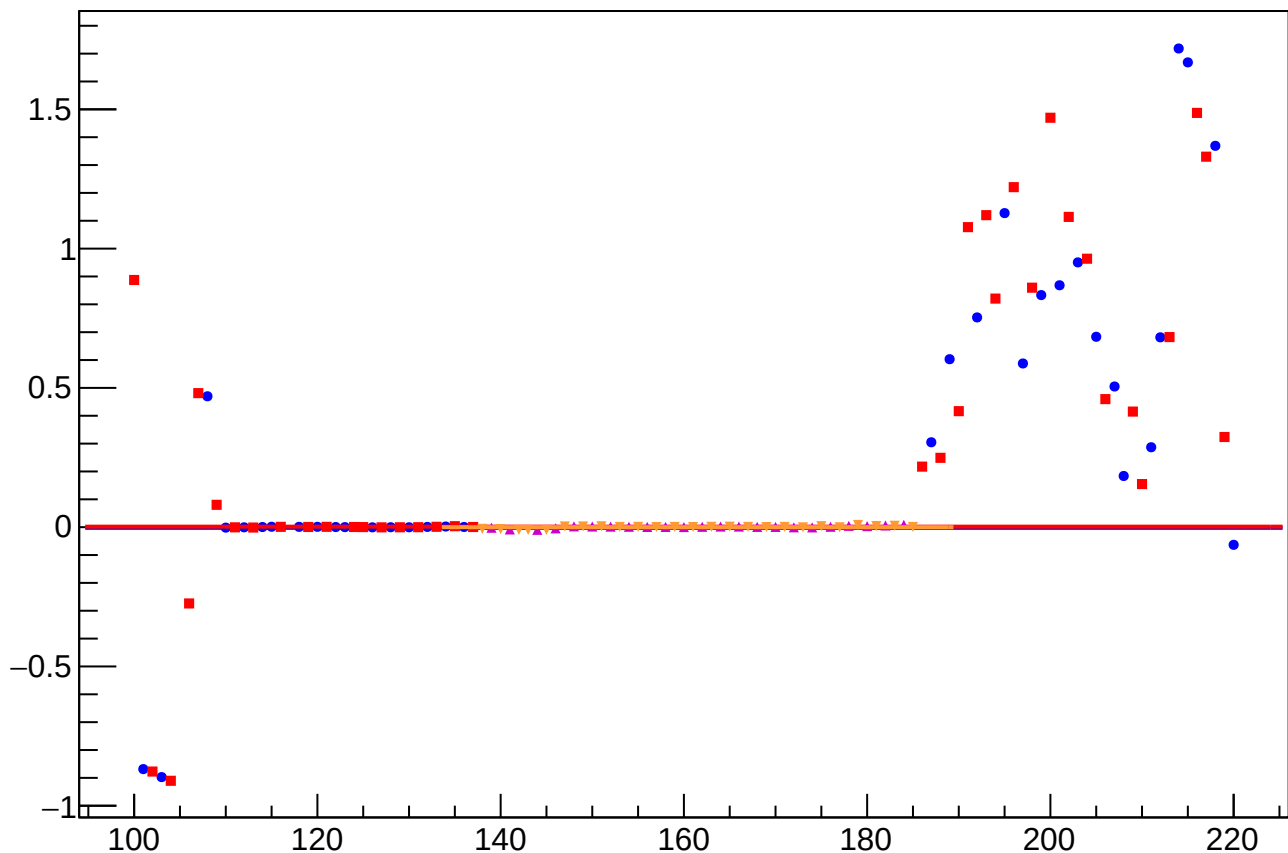
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 61241803.6/58

All: 0.000+/-0.000 χ^2/NDF : 121843844.5/118

- sign 0.000+/-0.000 χ^2/NDF : 60600840.1/59

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9798024697.1/33

Left Out: -0.000 ± 0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3044234546.8/36

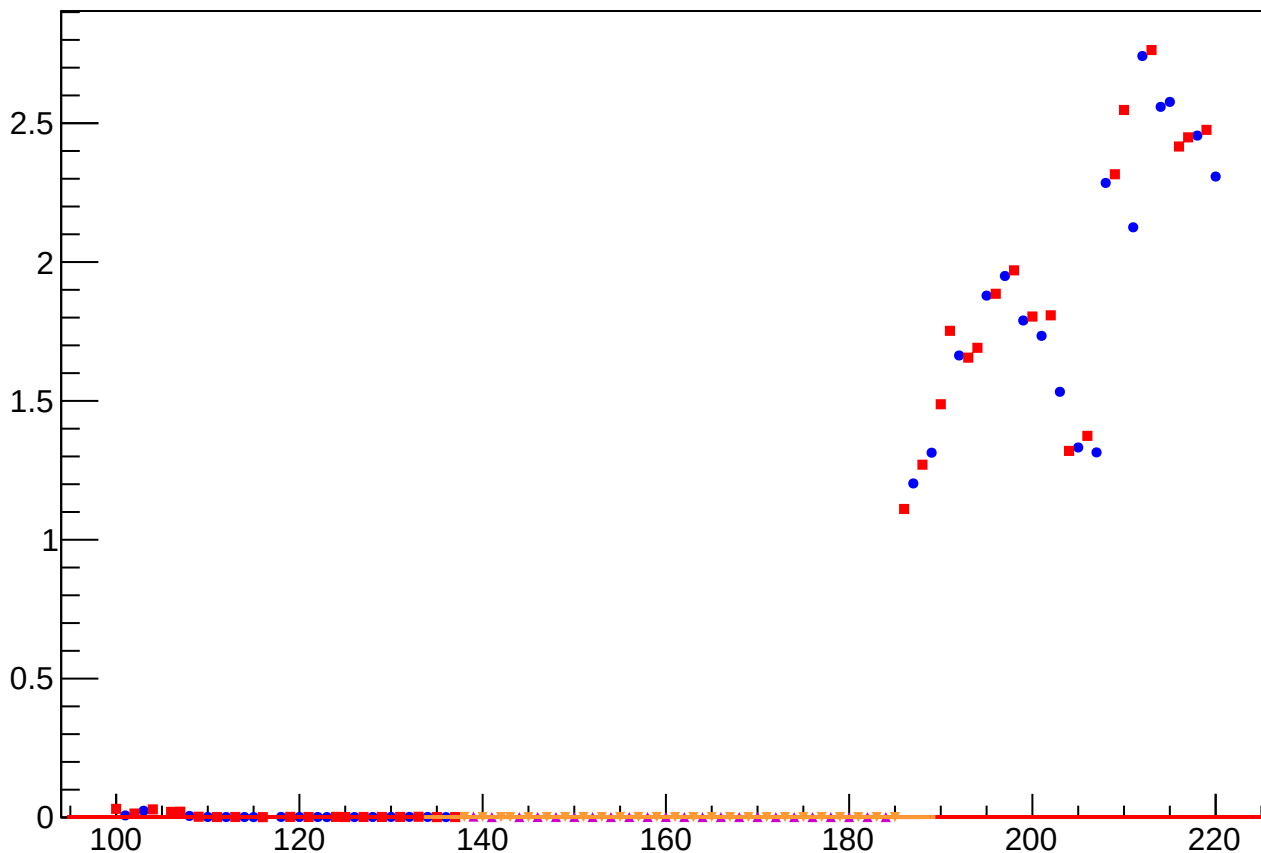
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9956036827.2/58

All: 0.000 ± 0.000 χ^2/NDF : 13111261722.6/100

- sign 0.001 ± 0.000 χ^2/NDF : 3147643691.5/59

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 25761679.0/33

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539817.3/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 27127696.3/36

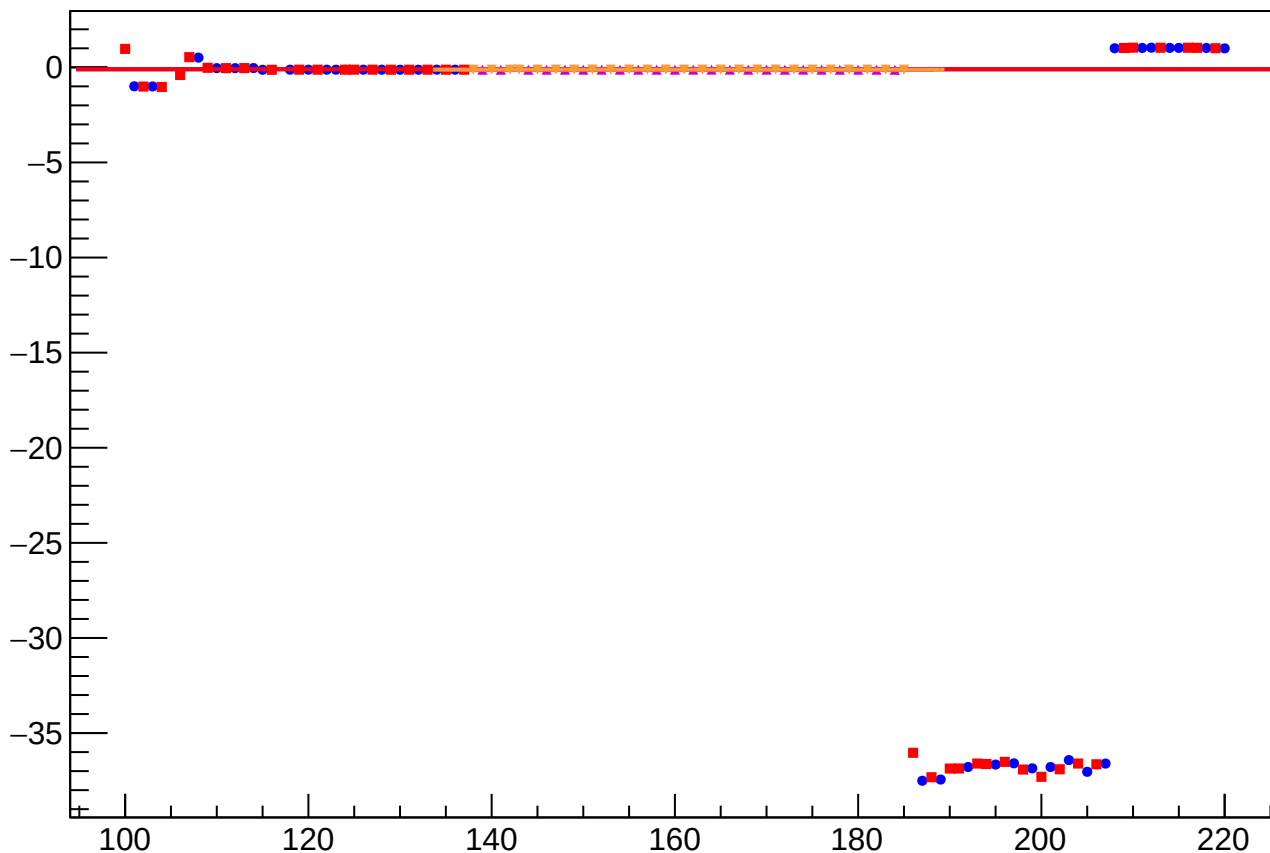
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:626044.8/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 26375044.4/58

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 54249453.1/118

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 27865462.1/59

yield_cav4cY_mean vs Slug



Right In: -0.102+/-0.000 χ^2/NDF : 107475842563.9/33

Left Out: -0.121+/-0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.099+/-0.000 χ^2/NDF : 106352518452.6/36

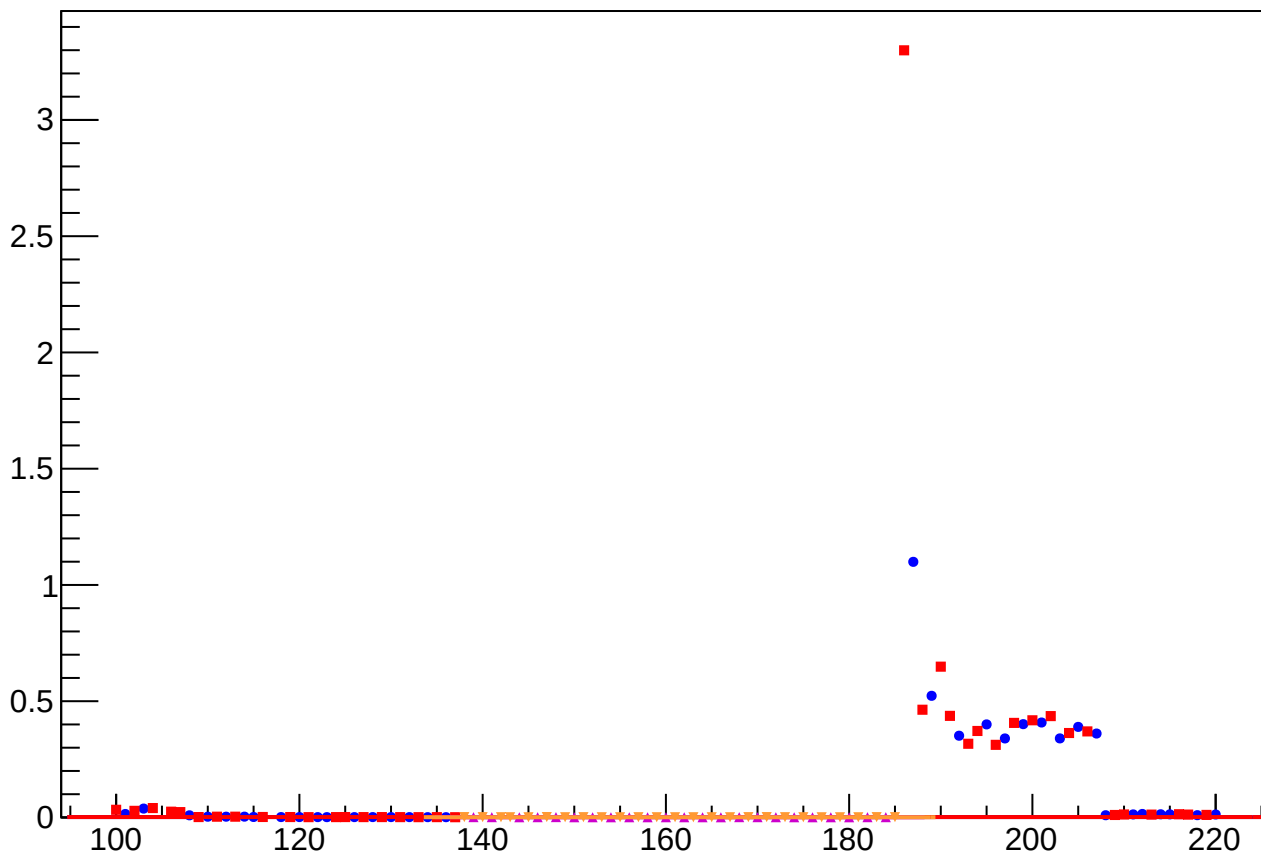
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.119+/-0.000 χ^2/NDF : 108182334083.7/58

All: -0.119+/-0.000 χ^2/NDF : 215436988753.7

- sign -0.119+/-0.000 χ^2/NDF : 107251396228.6/59

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 23392570.2/33

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1363316.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 24862143.0/36

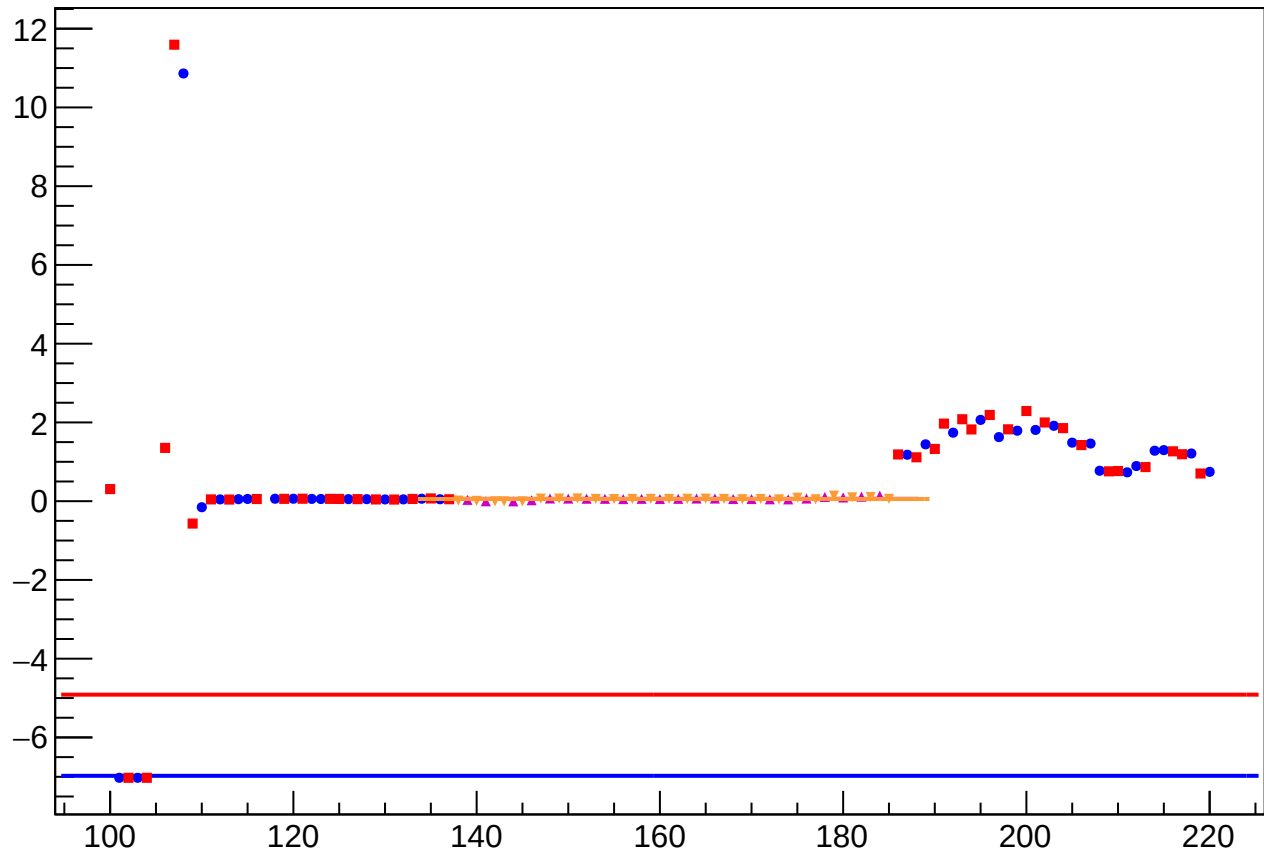
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:970801.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 26835868.1/58

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 54558892.9/118

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 27721454.6/59

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8798133106237.1/33$

Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243682351.4/24$

Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365353061829329.8/36$

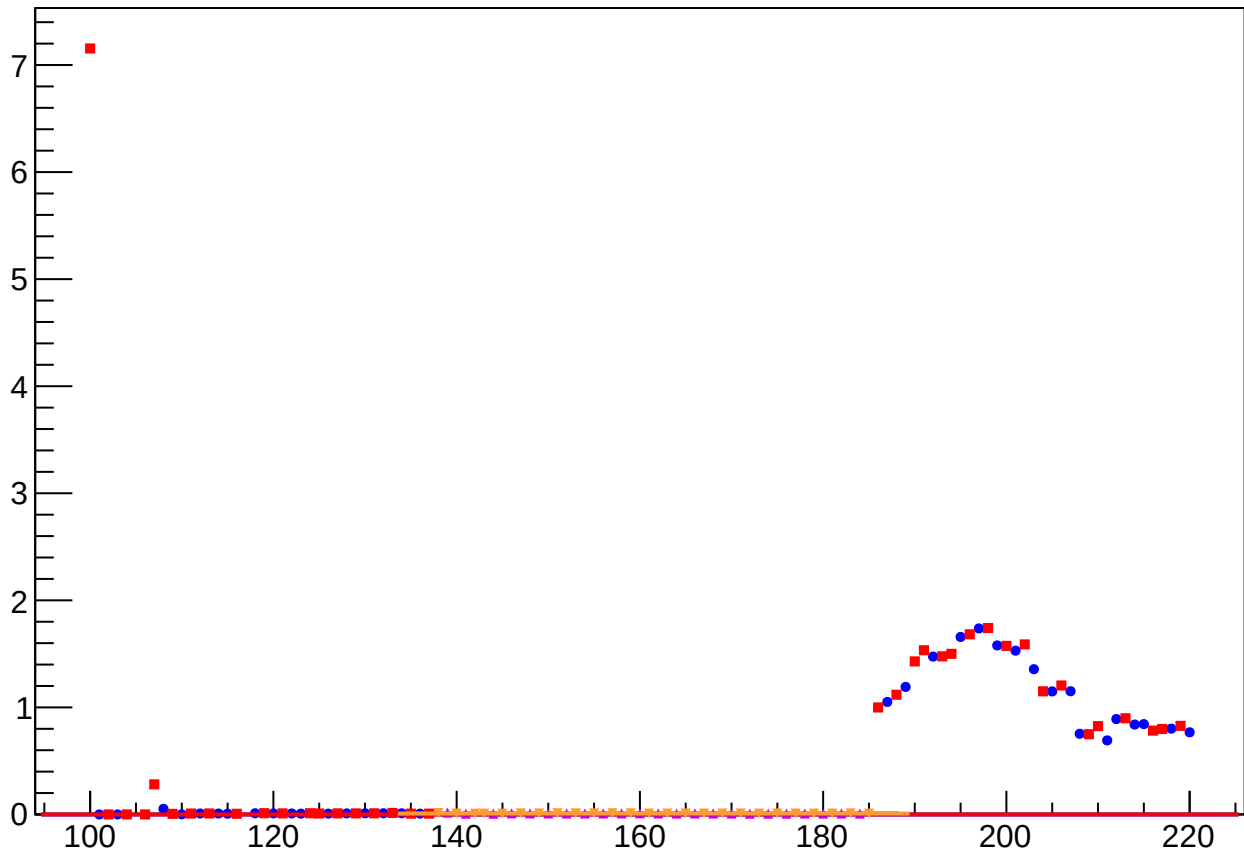
Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178541521.9/22$

+ sign -6.921 ± 0.000 $\chi^2/\text{NDF}: 18424438236198.2/33$

All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435296780478.1/33$

- sign -4.882 ± 0.000 $\chi^2/\text{NDF}: 369732079068615.7/33$

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 32215679.2/33

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 32919688.9/36

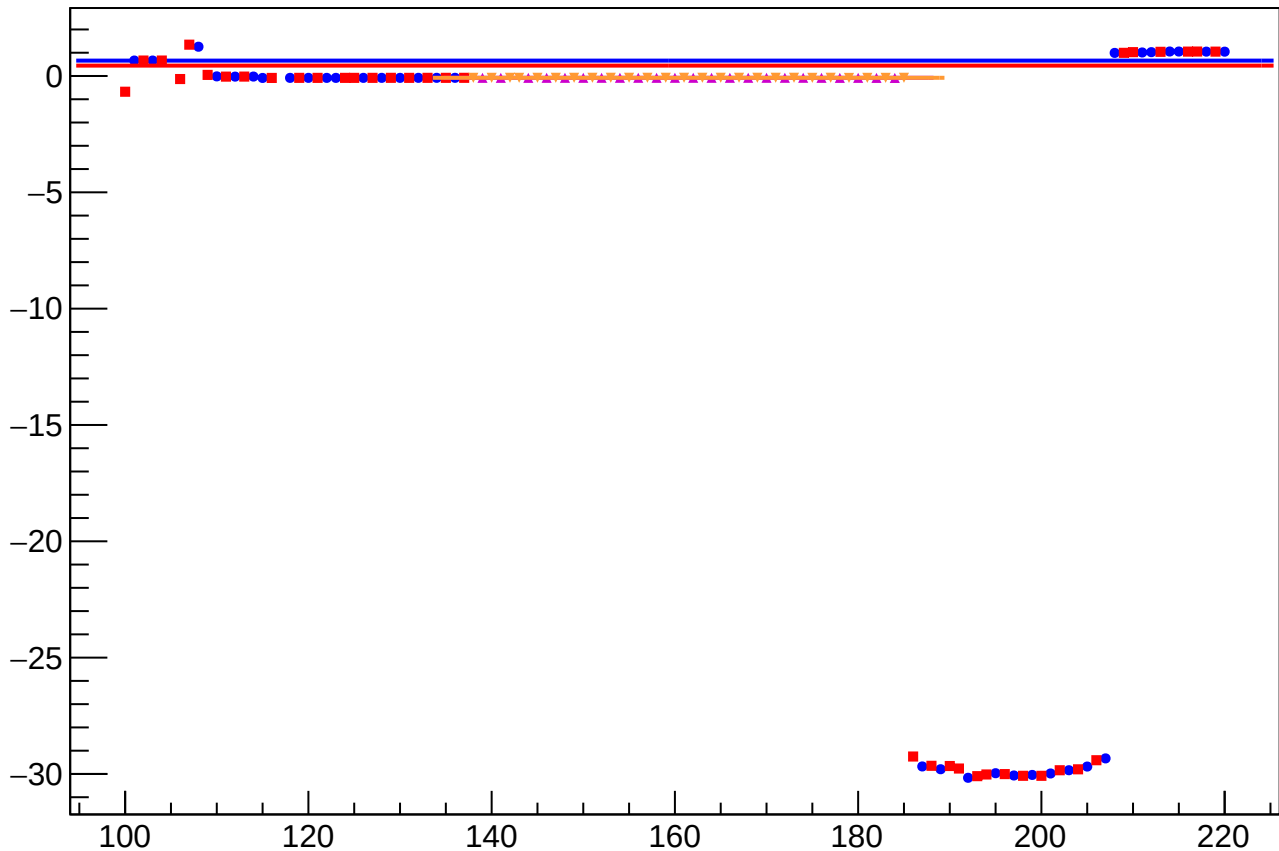
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 61115681.4/58

All: 0.000+/-0.000 χ^2/NDF : 121494767.9/118

- sign 0.000+/-0.000 χ^2/NDF : 60374228.9/59

yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 χ^2/NDF : 5723367065605.2/33

Left Out: -0.078 ± 0.000 χ^2/NDF : 156404795.7/24

Right Out: 0.446 ± 0.000 χ^2/NDF : 405498407383097.8/36

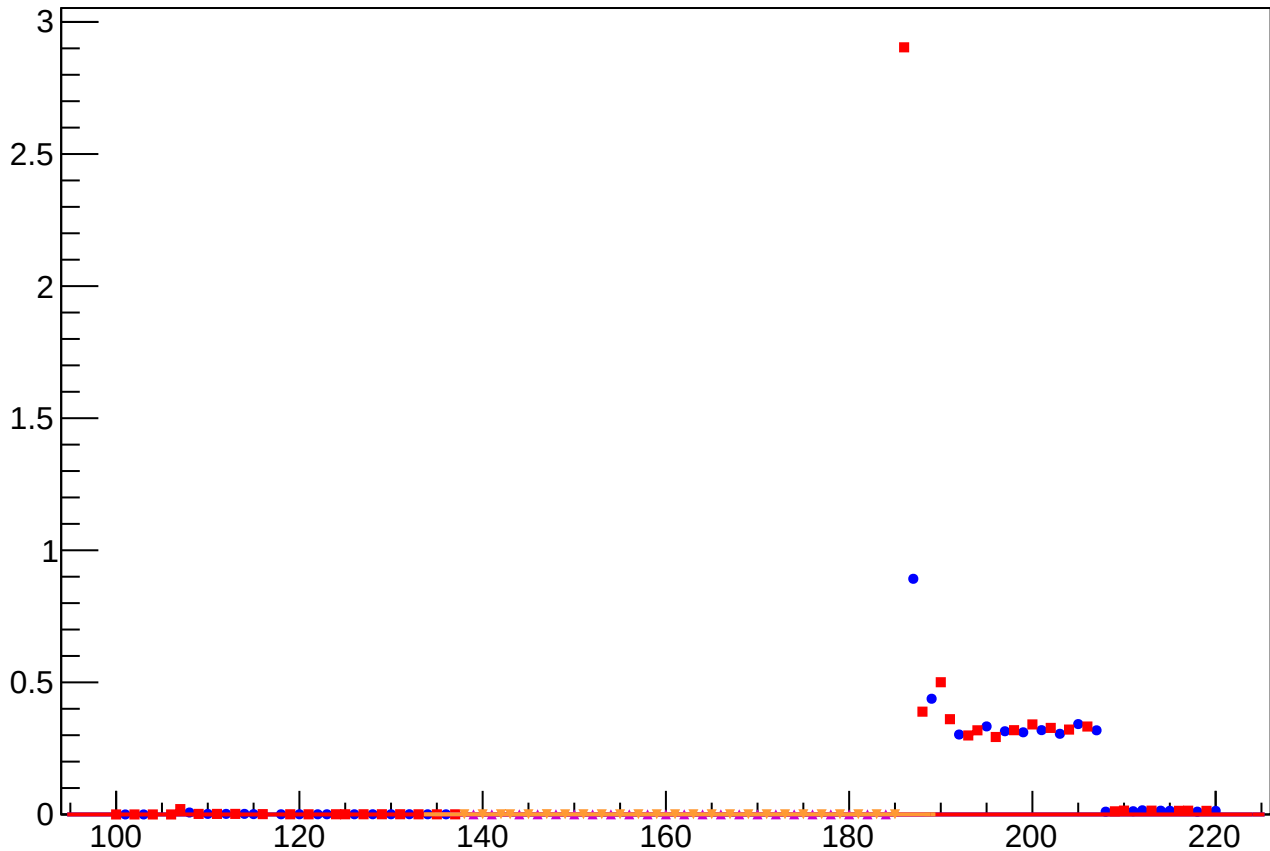
Left In: -0.077 ± 0.000 χ^2/NDF : 110762924.1/22

+ sign 0.646 ± 0.000 χ^2/NDF : 35822489945973.4/5

All: 0.537 ± 0.000 χ^2/NDF : 51598042910439

- sign 0.437 ± 0.000 χ^2/NDF : 419620684498655.3/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 33412346.4/33

Left Out: 0.001+/-0.000 χ^2/NDF :465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 33424073.6/36

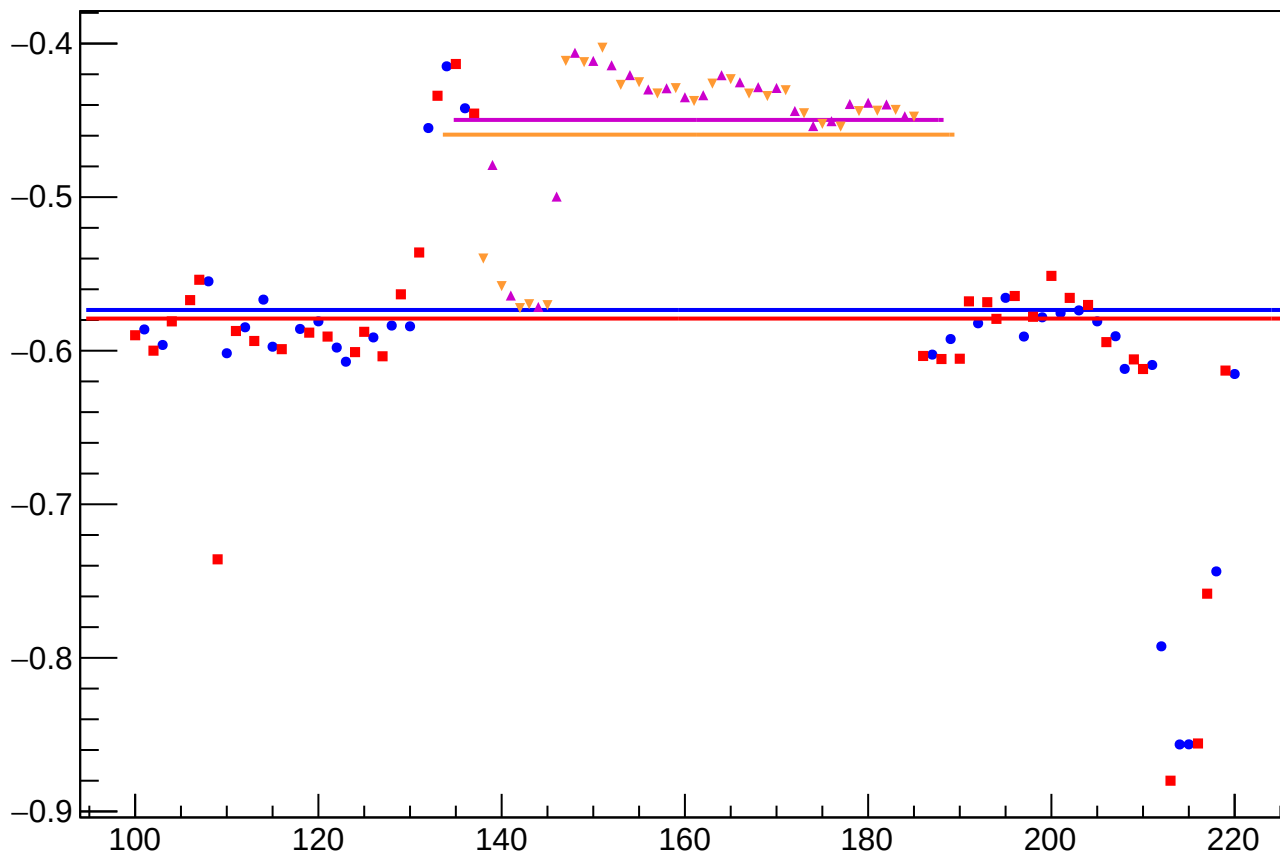
Left In: 0.001+/-0.000 χ^2/NDF :355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 65948262.0/58

All: 0.000+/-0.000 χ^2/NDF : 130160853.5/118

- sign 0.000+/-0.000 χ^2/NDF : 64204431.0/59

yield_bpm4aX_mean vs Slug



Right In: -0.573+/-0.000 χ^2/NDF : 115032594.8/33

Left Out: -0.459+/-0.000 χ^2/NDF : 113602161.0/24

Right Out: -0.579+/-0.000 χ^2/NDF : 120116739.0/36

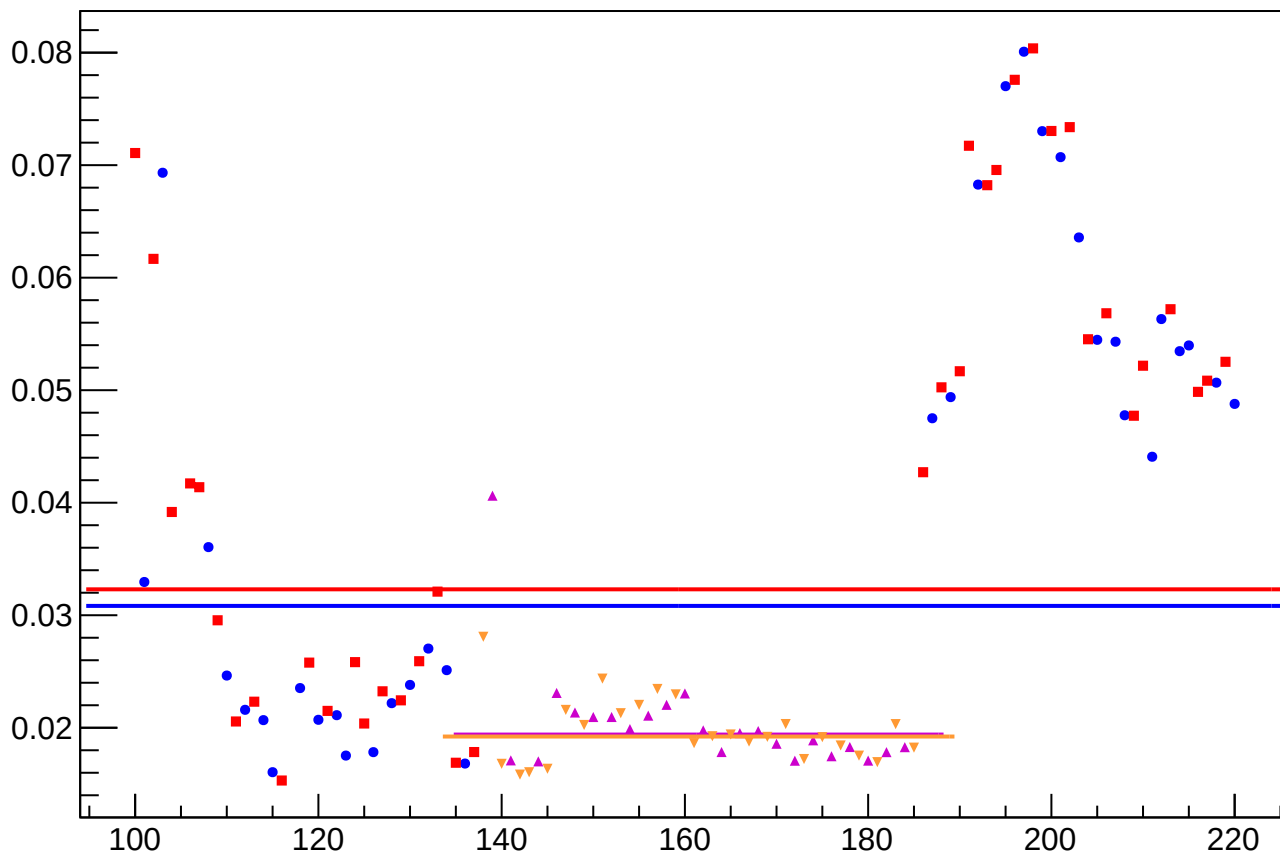
Left In: -0.450+/-0.000 χ^2/NDF : 76117957.8/22

+ sign -0.489+/-0.000 χ^2/NDF : 365557017.3/58

All: -0.487+/-0.000 χ^2/NDF : 727790325.0/11

- sign -0.484+/-0.000 χ^2/NDF : 361582118.0/59

yield_bpm4aX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 7995325.3/33

Left Out: 0.019+/-0.000 χ^2/NDF : 501711.6/24

Right Out: 0.032+/-0.000 χ^2/NDF : 7821173.0/36

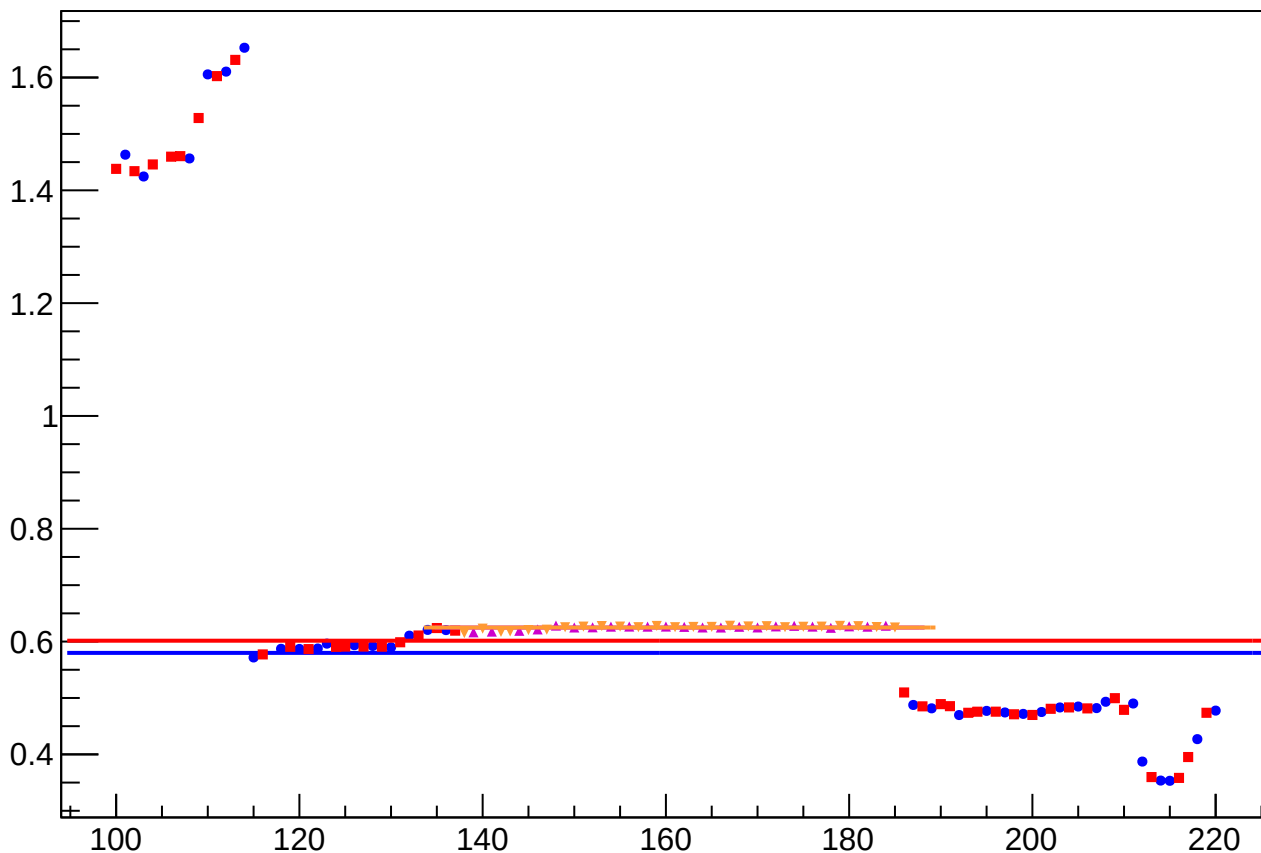
Left In: 0.019+/-0.000 χ^2/NDF : 626443.5/22

+ sign 0.022+/-0.000 χ^2/NDF : 11328984.3/58

All: 0.023+/-0.000 χ^2/NDF : 23087384.2/118

- sign 0.023+/-0.000 χ^2/NDF : 11740929.4/59

yield_bpm4aY_mean vs Slug



Right In: 0.580 $\pm$ 0.000 χ^2 /NDF: 5614399592.4/33

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.602 $\pm$ 0.000 χ^2 /NDF: 6625391227.3/36

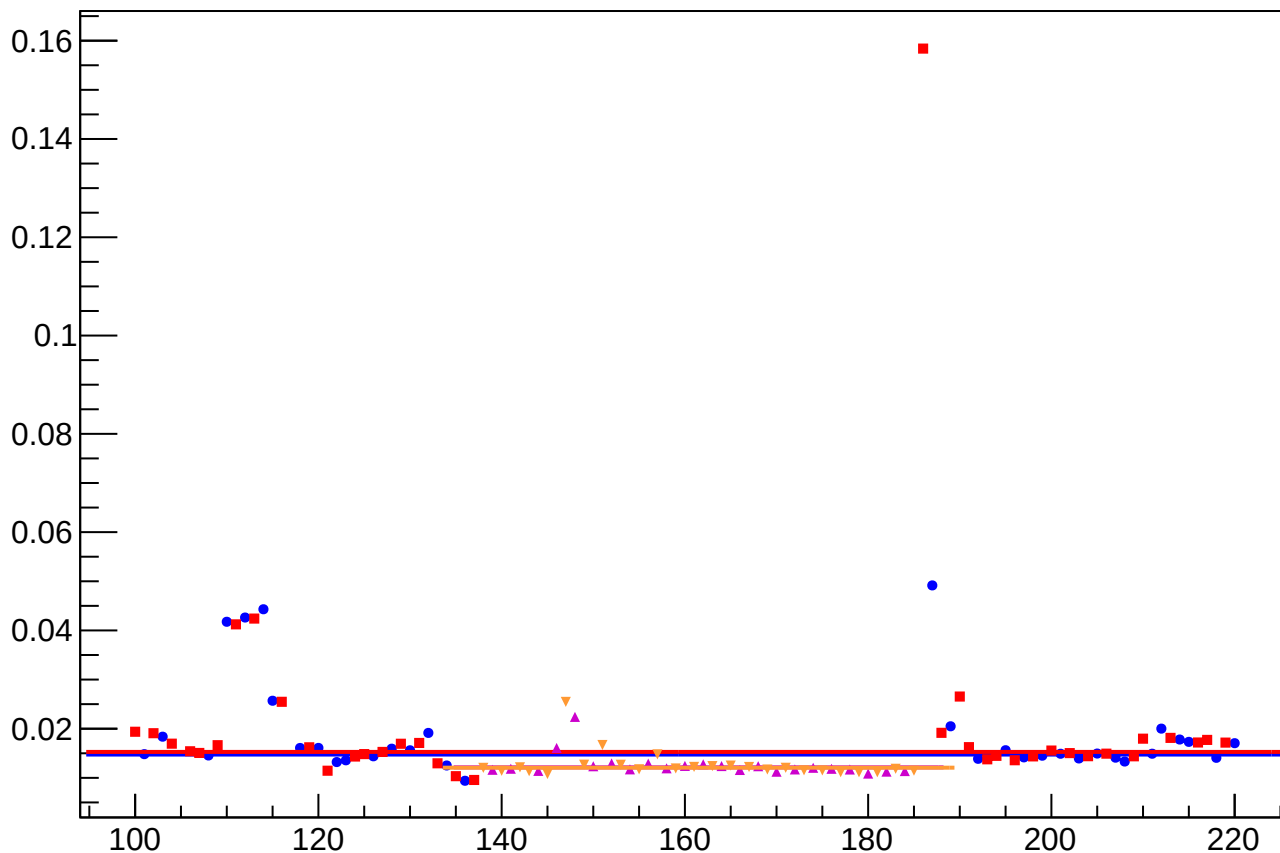
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.607 $\pm$ 0.000 χ^2 /NDF: 5712562863.6/58

All: 0.611 $\pm$ 0.000 χ^2 /NDF: 12370410615.7/1

- sign 0.616 $\pm$ 0.000 χ^2 /NDF: 6650989595.0/59

yield_bpm4aY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1873633.1/33

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2234188.2/36

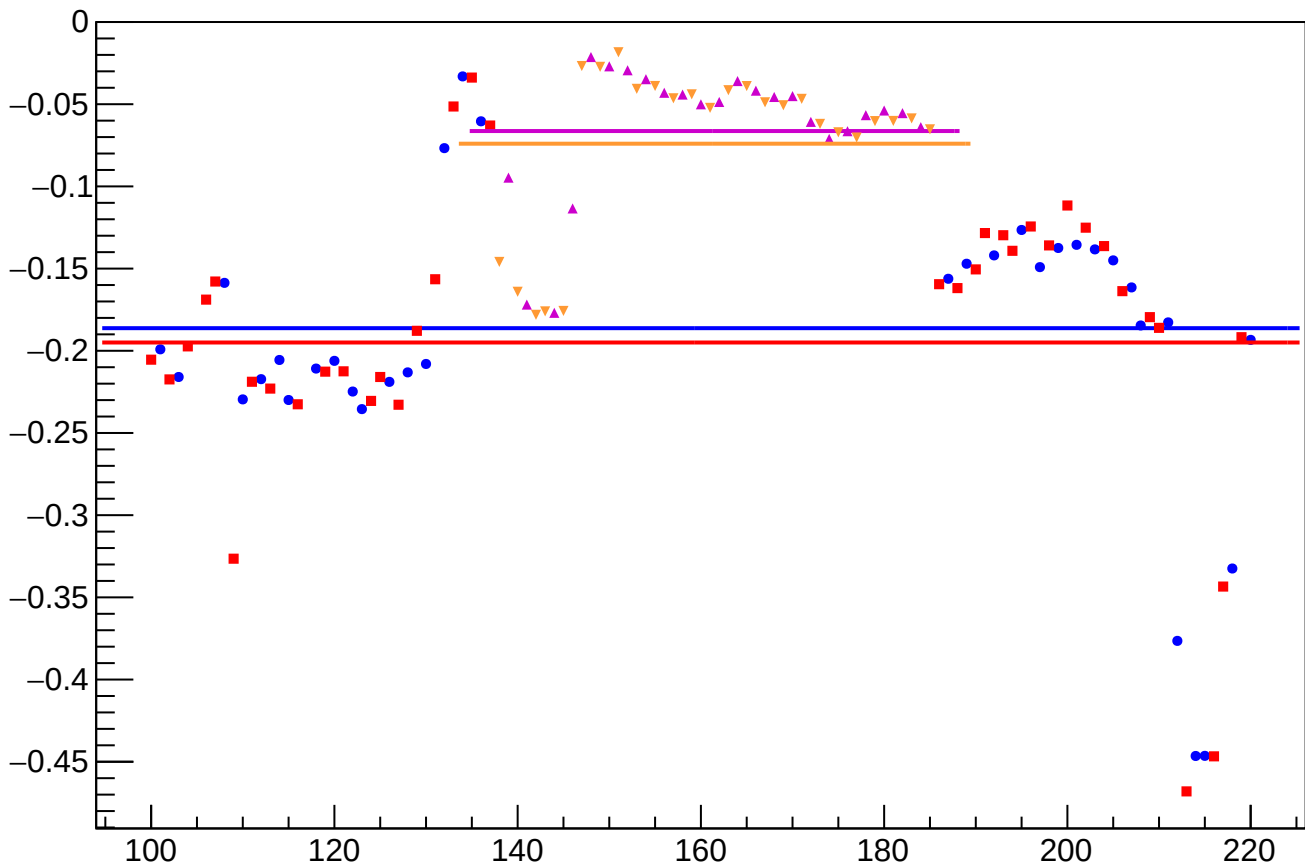
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3213587.6/58

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6840122.8/118

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3613387.2/59

yield_bpm4eX_mean vs Slug



Right In: -0.186 ± 0.000 χ^2/NDF : 127718401.7/33

Left Out: -0.074 ± 0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.195 ± 0.000 χ^2/NDF : 134432015.8/36

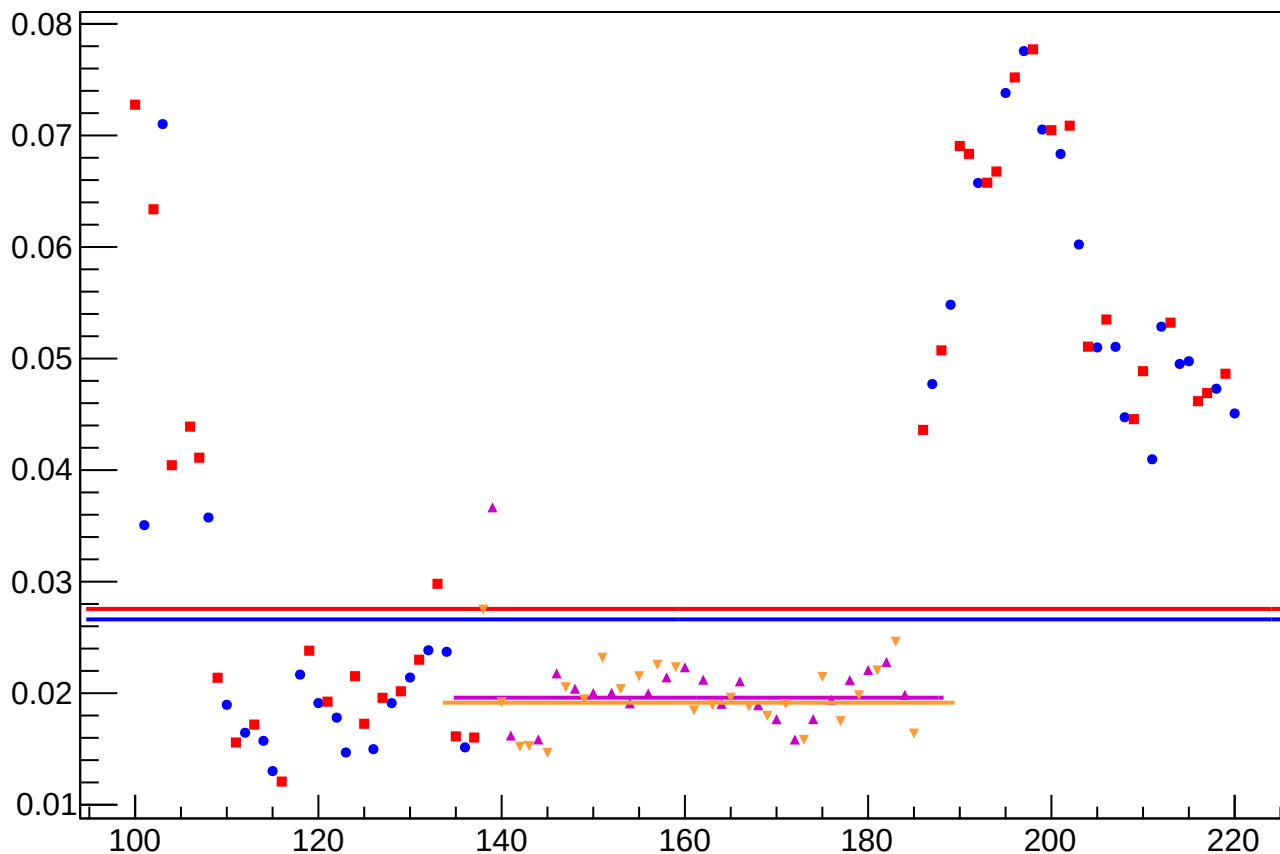
Left In: -0.066 ± 0.000 χ^2/NDF : 76243051.8/22

+ sign -0.108 ± 0.000 χ^2/NDF : 393808426.3/58

All: -0.108 ± 0.000 χ^2/NDF : 800301531.4/11

- sign -0.107 ± 0.000 χ^2/NDF : 406462760.3/59

yield_bpm4eX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9386428.4/33

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641277.0/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9581688.9/36

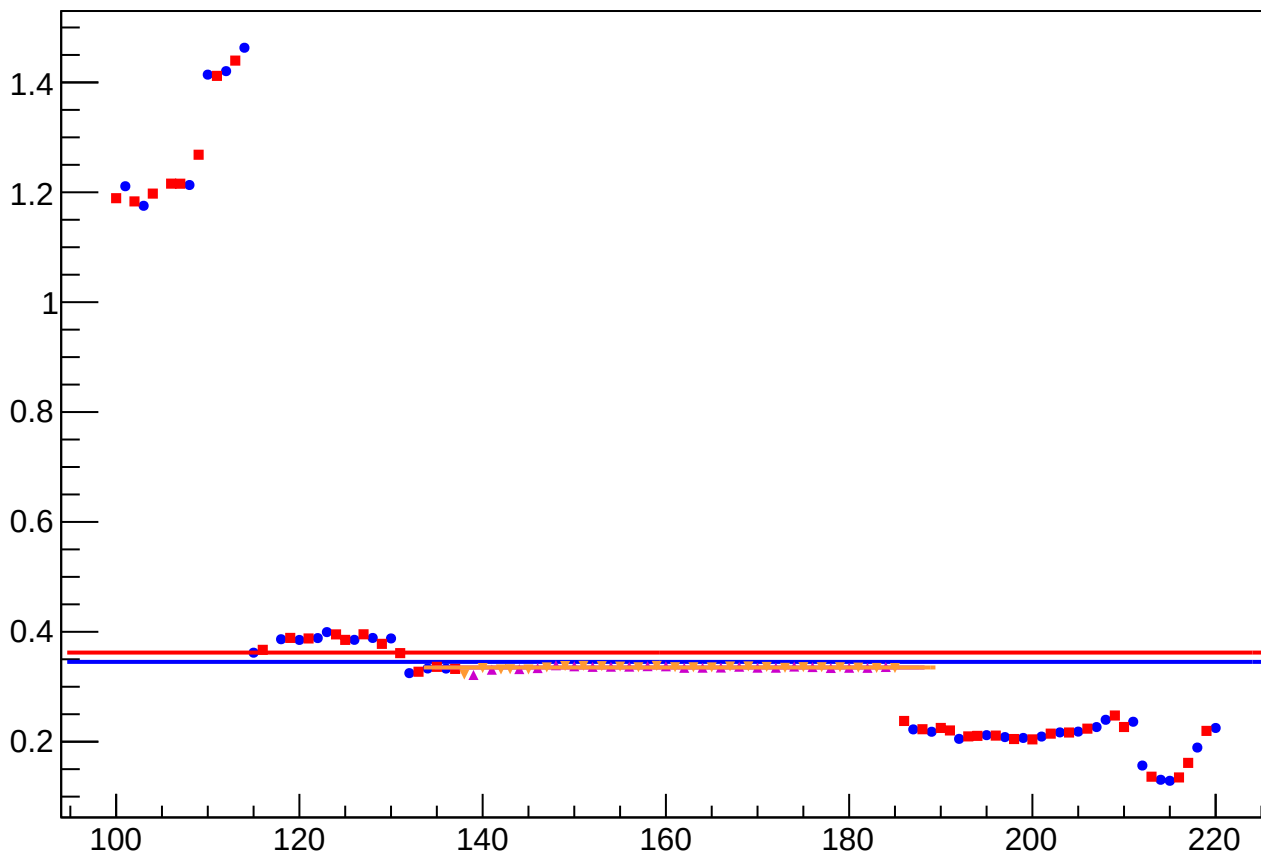
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:623148.2/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11431193.5/58

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 23162877.2/118

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11703919.4/59

yield_bpm4eY_mean vs Slug



Right In: 0.345+/-0.000 χ^2/NDF : 8087790430.0/33

Left Out: 0.335+/-0.000 χ^2/NDF :1154310.3/24

Right Out: 0.362+/-0.000 χ^2/NDF : 9132859124.2/36

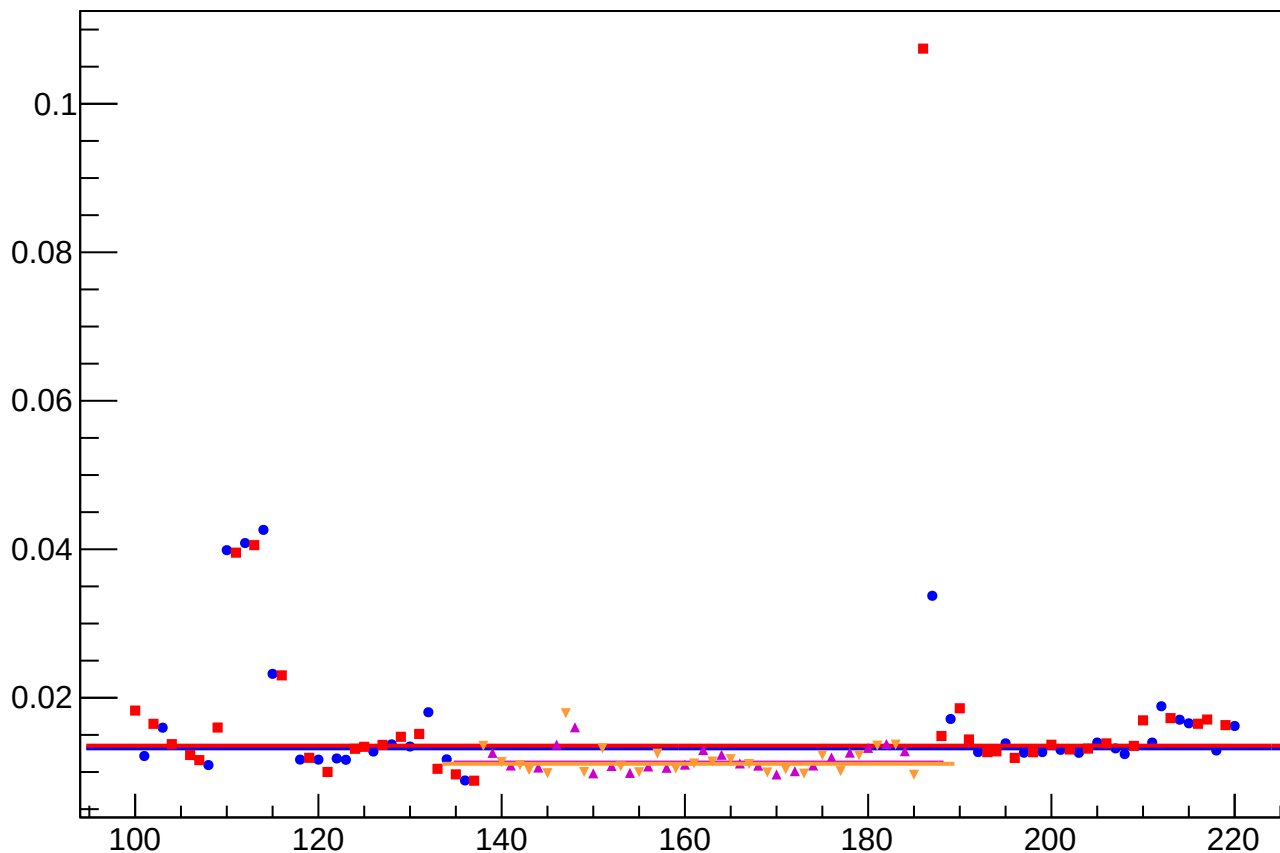
Left In: 0.335+/-0.000 χ^2/NDF :1202194.8/22

+ sign 0.339+/-0.000 χ^2/NDF : 8094937355.0/58

All: 0.343+/-0.000 χ^2/NDF : 17275487041.8/1

- sign 0.346+/-0.000 χ^2/NDF : 9174516444.8/59

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1880170.7/33

Left Out: 0.011+/-0.000 χ^2/NDF : 607532.0/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2259849.5/36

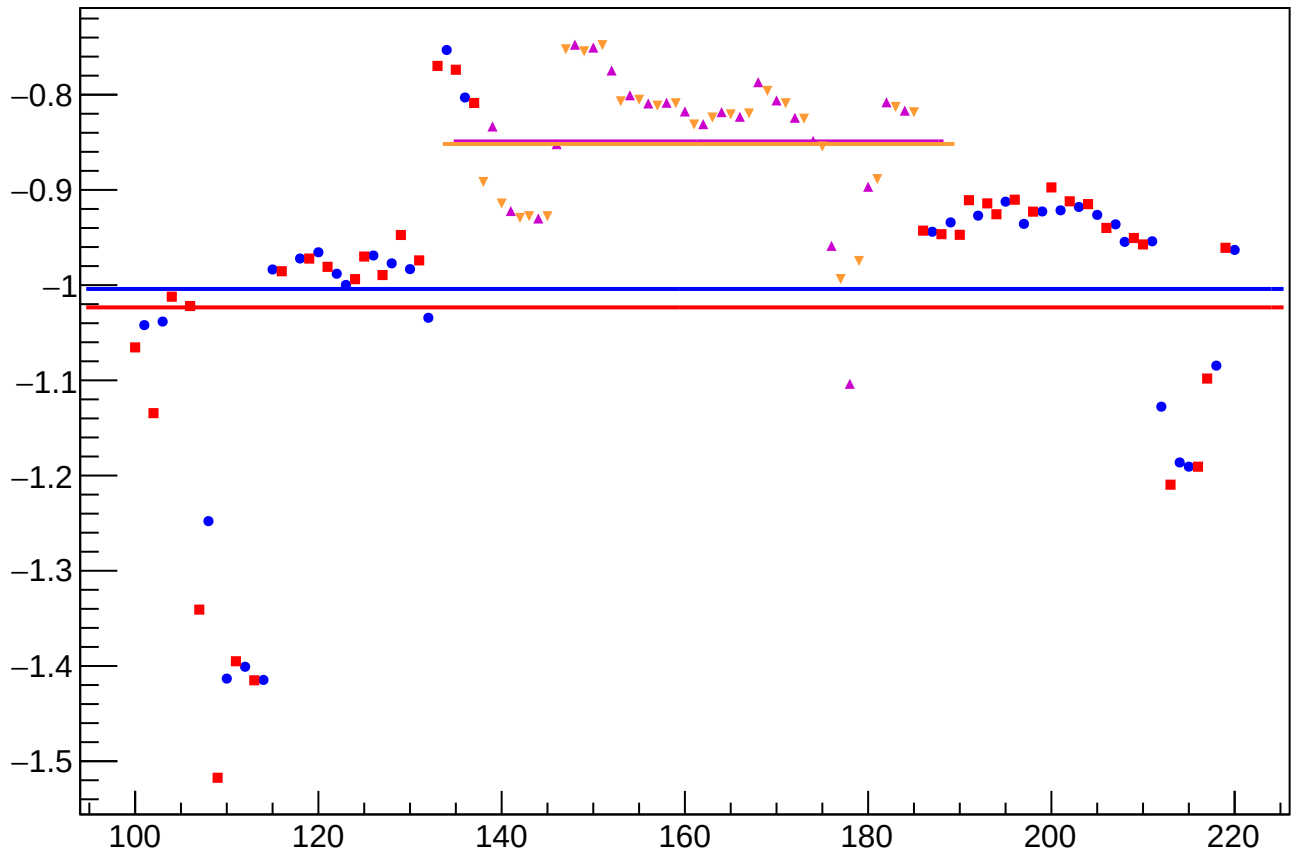
Left In: 0.011+/-0.000 χ^2/NDF : 502455.5/22

+ sign 0.012+/-0.000 χ^2/NDF : 2989200.1/58

All: 0.012+/-0.000 χ^2/NDF : 6336390.7/118

- sign 0.012+/-0.000 χ^2/NDF : 3330535.0/59

yield_bpm4acX_mean vs Slug



Right In: -1.004 ± 0.000 χ^2/NDF : 429789625.8/33

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.023 ± 0.000 χ^2/NDF : 579307531.4/36

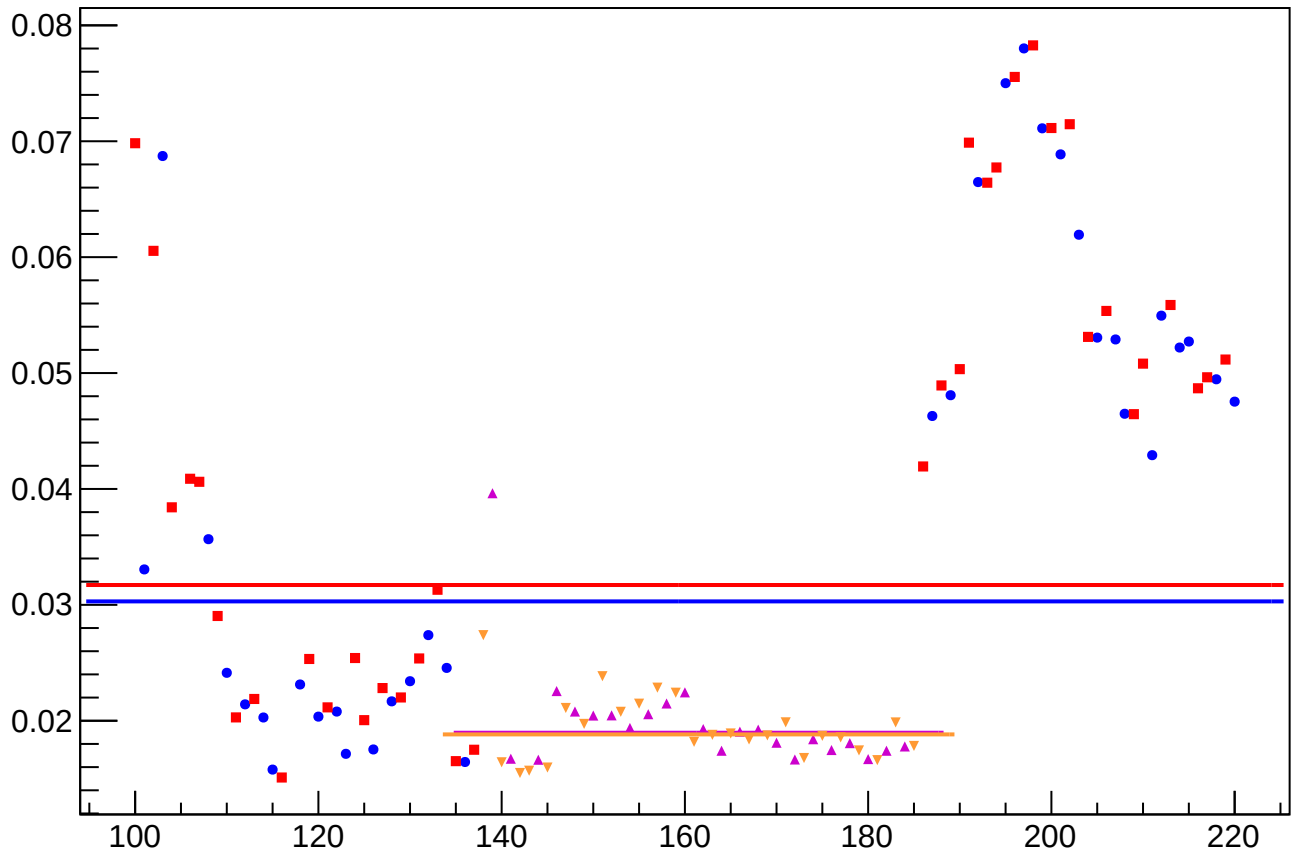
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.891 ± 0.000 χ^2/NDF : 872045253.1/58

All: -0.893 ± 0.000 χ^2/NDF : 2020855305.1/114

- sign -0.895 ± 0.000 χ^2/NDF : 1148404212.8/59

yield_bpm4acX_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 7919486.8/33

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490509.4/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 7729471.3/36

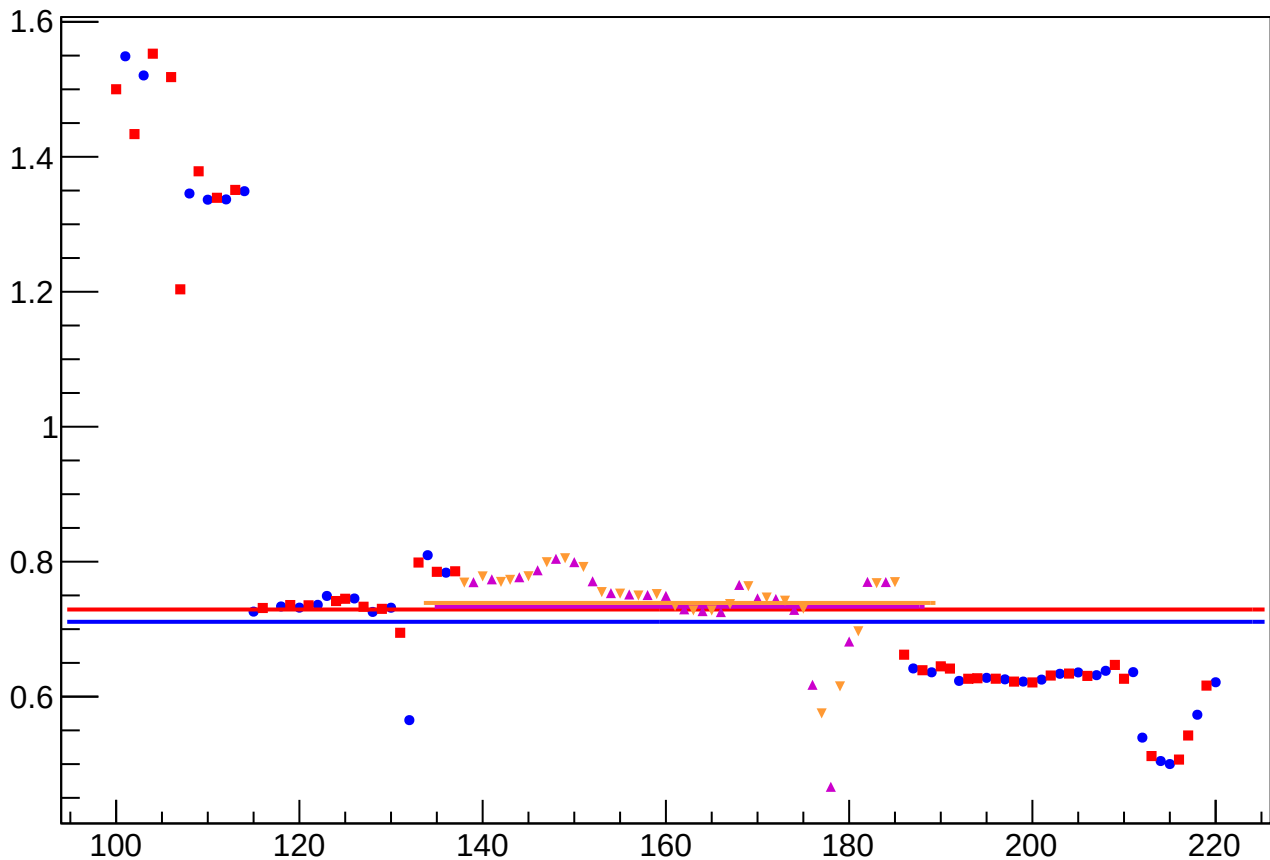
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 615173.8/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11286004.2/58

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 22990398.2/118

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11688997.5/59

yield_bpm4acY_mean vs Slug



Right In: 0.711 $\pm$ 0.000 χ^2 /NDF: 3922947312.6/33

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

Right Out: 0.729 $\pm$ 0.000 χ^2 /NDF: 4219427503.1/36

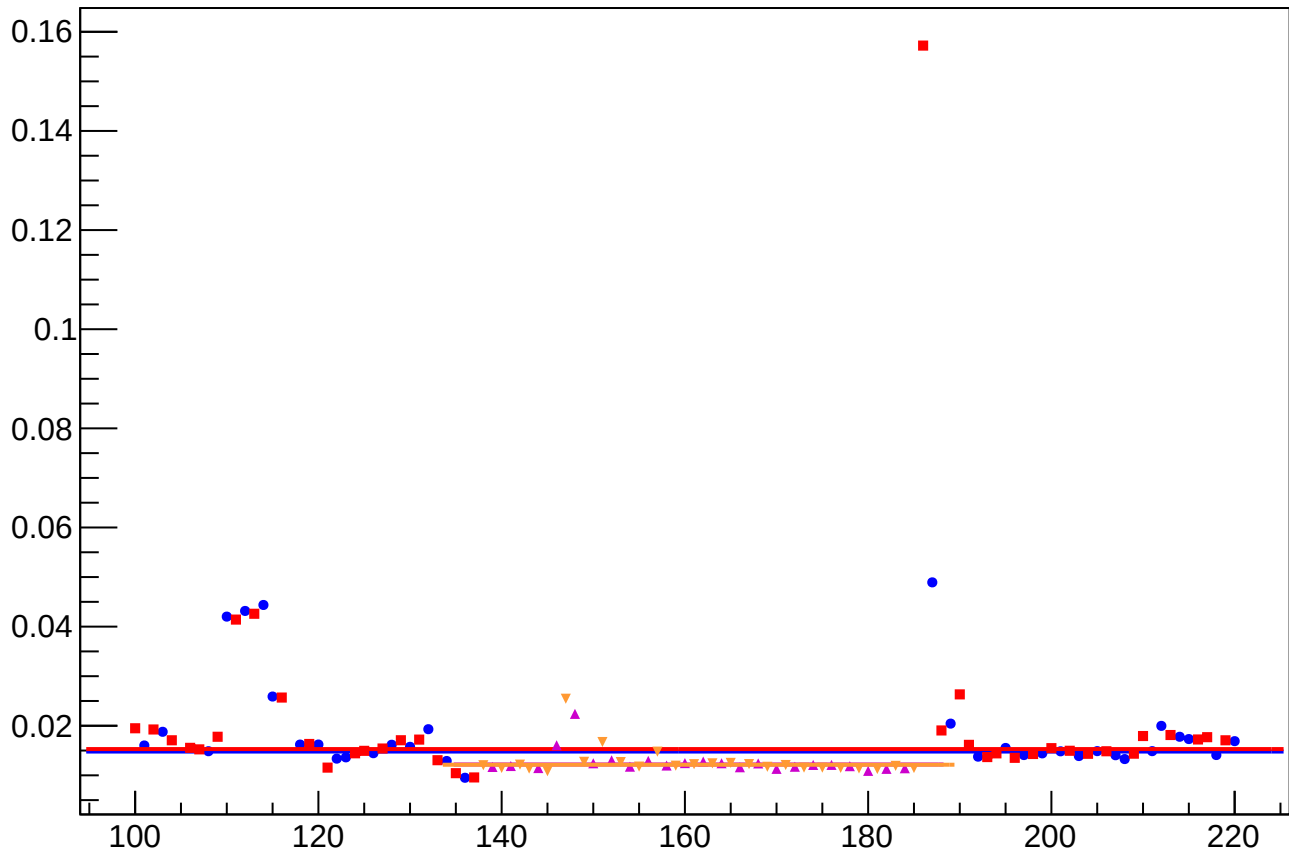
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

+ sign 0.728 $\pm$ 0.000 χ^2 /NDF: 4292940729.6/58

All: 0.730 $\pm$ 0.000 χ^2 /NDF: 9084126791.4/11

- sign 0.732 $\pm$ 0.000 χ^2 /NDF: 4789790260.1/59

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1863748.4/33

Left Out: 0.012+/-0.000 χ^2/NDF : 637986.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2232824.3/36

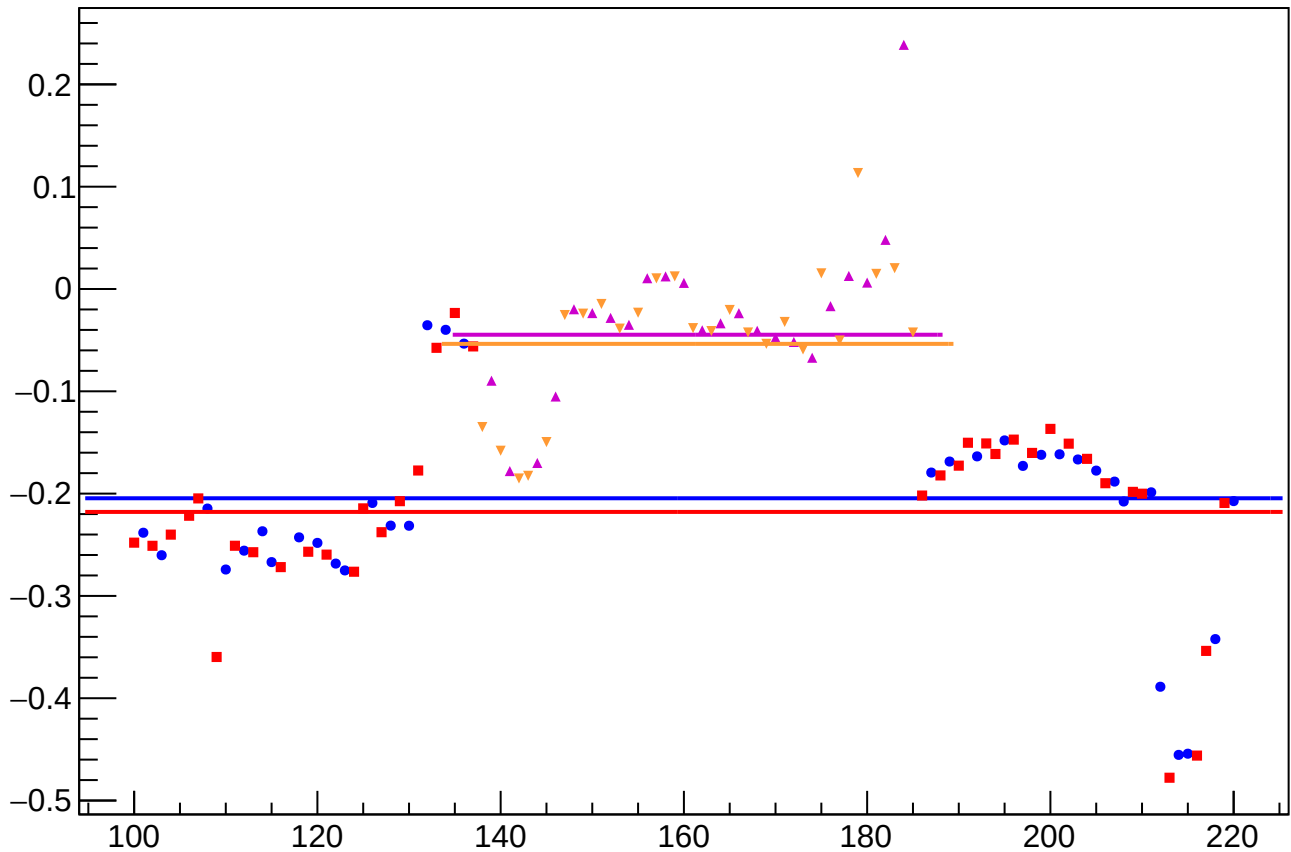
Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

+ sign 0.013+/-0.000 χ^2/NDF : 3170152.8/58

All: 0.013+/-0.000 χ^2/NDF : 6761718.2/118

- sign 0.013+/-0.000 χ^2/NDF : 3580486.8/59

yield_bpm4ecX_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF : 160410619.7/33

Left Out: -0.054+/-0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.218+/-0.000 χ^2/NDF : 156272040.9/36

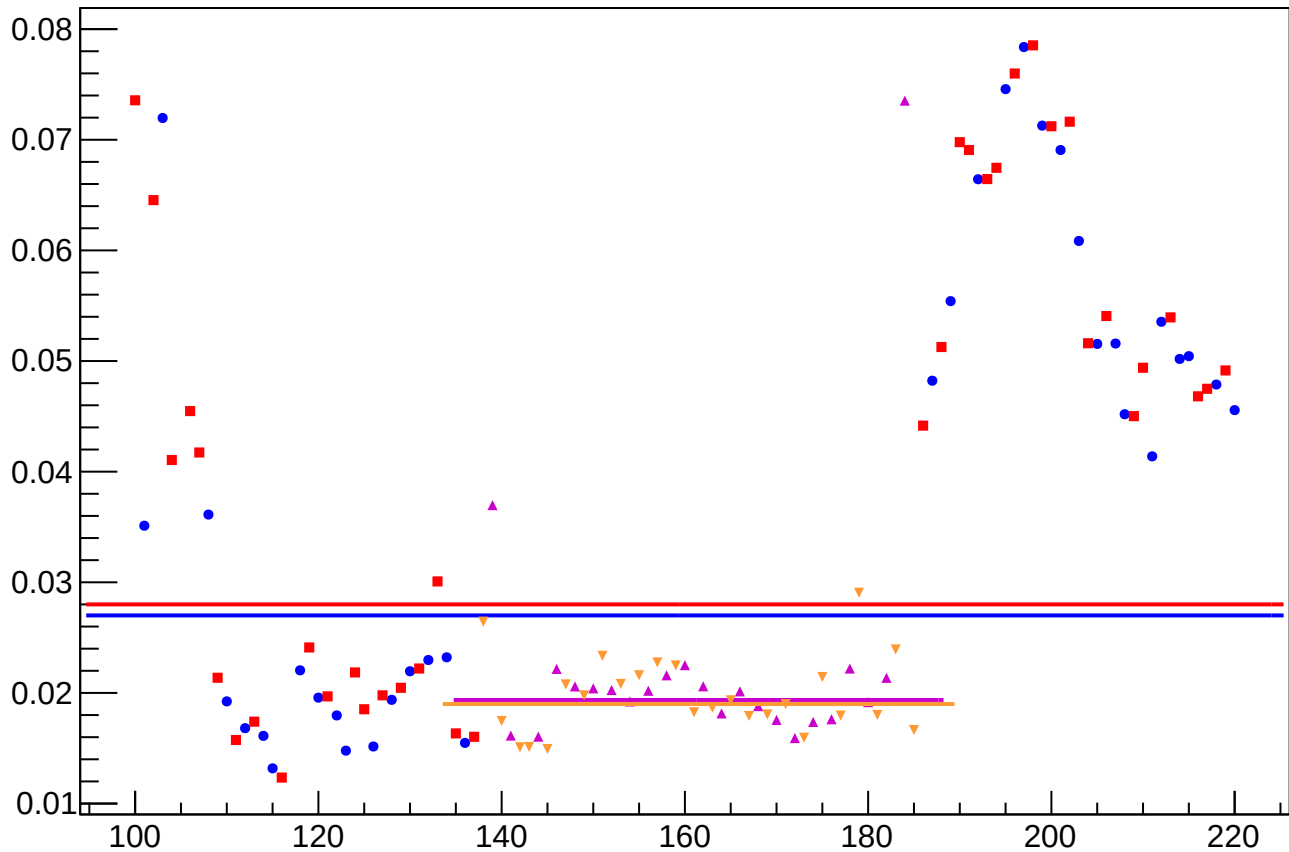
Left In: -0.045+/-0.000 χ^2/NDF : 127192425.2/22

+ sign -0.099+/-0.000 χ^2/NDF : 608096253.5/58

All: -0.099+/-0.000 χ^2/NDF : 1238547164.5/1

- sign -0.099+/-0.000 χ^2/NDF : 630443854.7/59

yield_bpm4ecX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9318335.1/33

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9516091.1/36

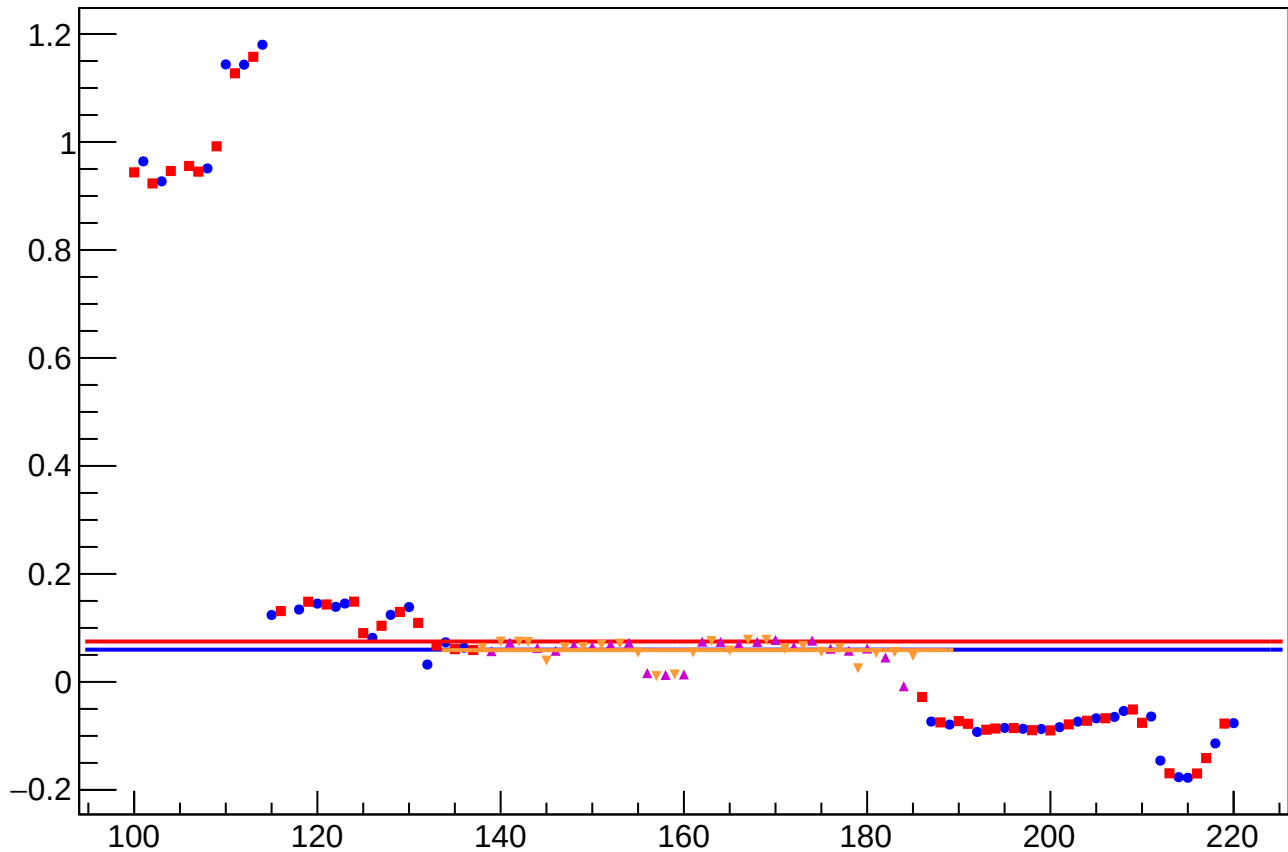
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11595022.8/58

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 23718031.1/118

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12099969.7/59

yield_bpm4ecY_mean vs Slug



Right In: 0.060 $\pm$ 0.000 χ^2 /NDF: 8847854211.3/33

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46821236.8/24

Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 9717241125.4/36

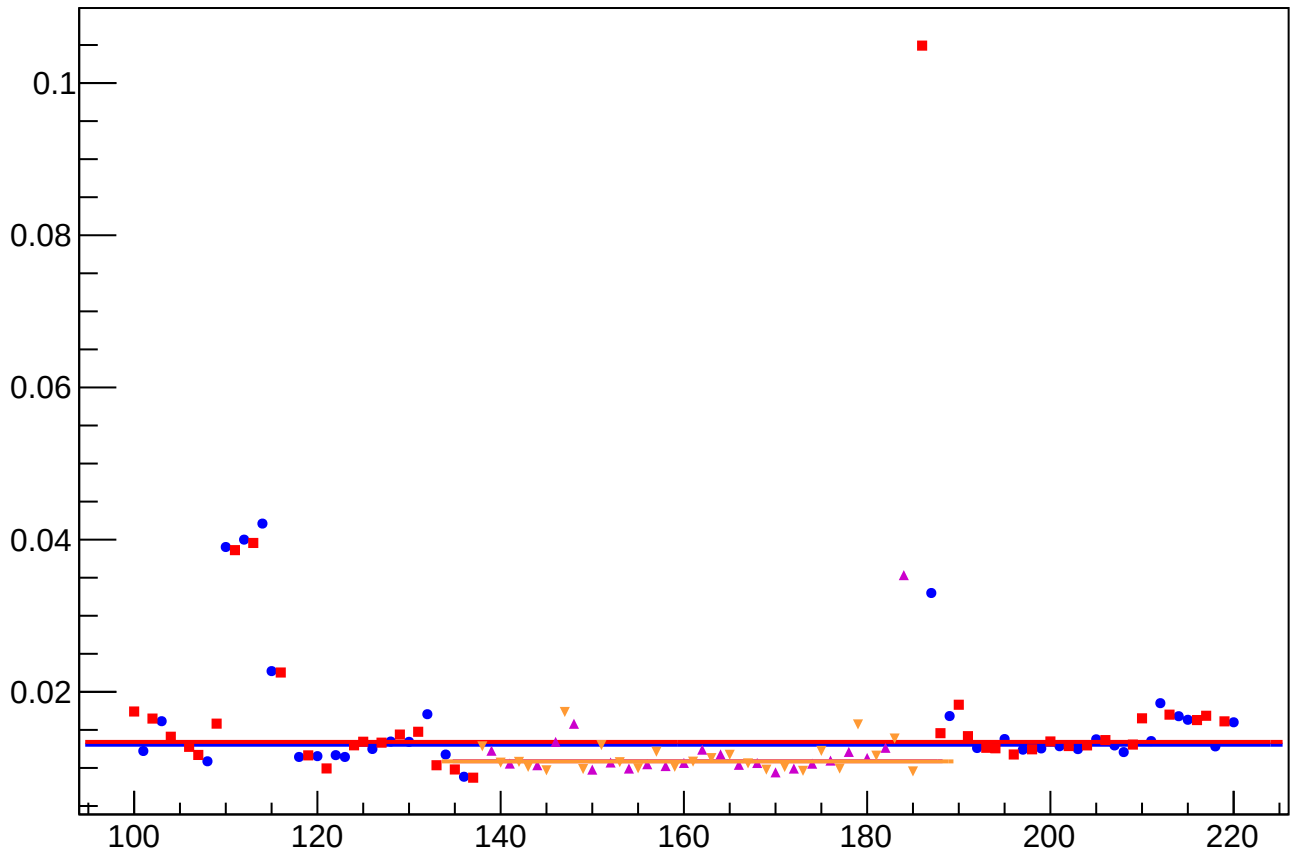
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

+ sign 0.059 $\pm$ 0.000 χ^2 /NDF: 8894725772.0/58

All: 0.062 $\pm$ 0.000 χ^2 /NDF: 18689395706.9/1

- sign 0.066 $\pm$ 0.000 χ^2 /NDF: 9789783837.6/59

yield_bpm4ecY_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 1831620.3/33

Left Out: 0.011 ± 0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 2197634.8/36

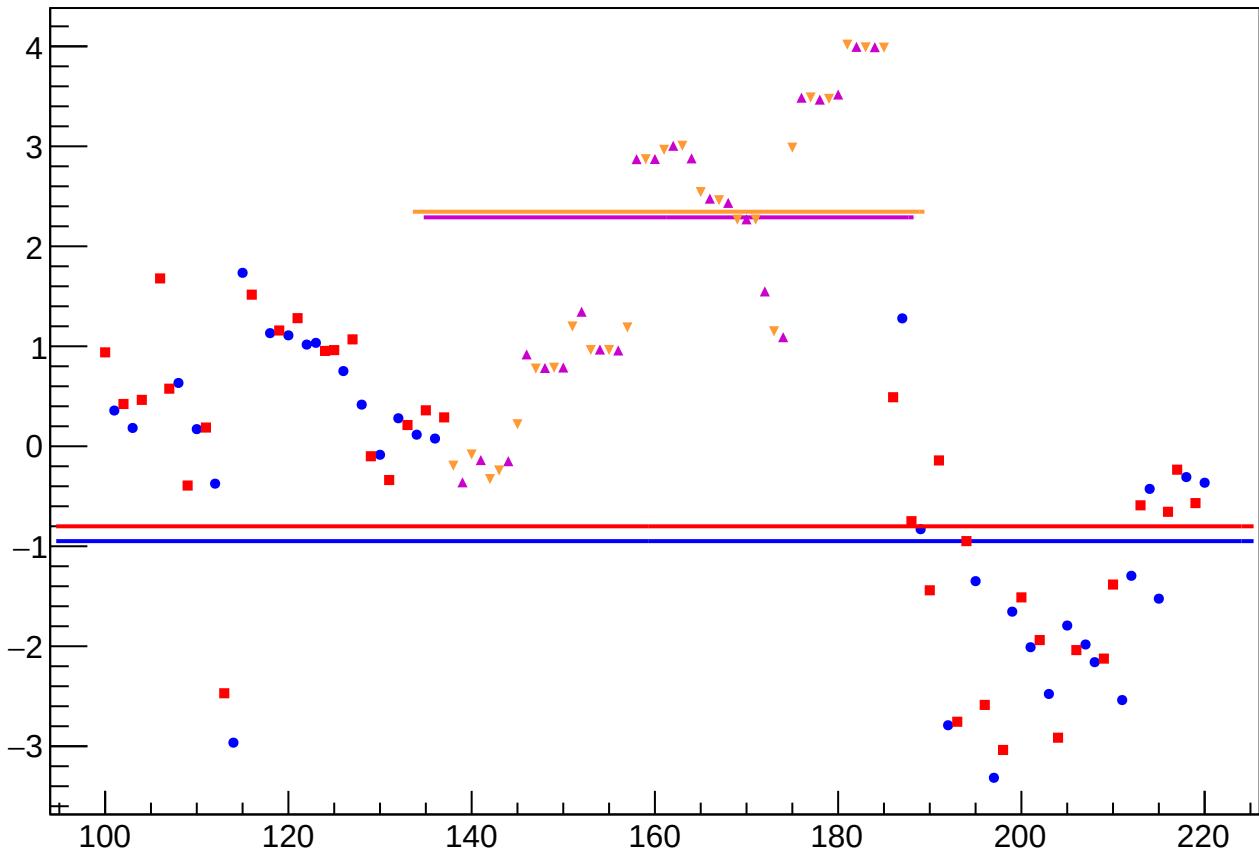
Left In: 0.011 ± 0.000 χ^2/NDF : 530077.5/22

+ sign 0.012 ± 0.000 χ^2/NDF : 3004986.2/58

All: 0.012 ± 0.000 χ^2/NDF : 6463078.0/118

- sign 0.012 ± 0.000 χ^2/NDF : 3450377.2/59

yield_bpm1X_mean vs Slug



Right In: -0.949 ± 0.000 χ^2/NDF : 8072024719.9/33

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.800 ± 0.000 χ^2/NDF : 8309160244.9/36

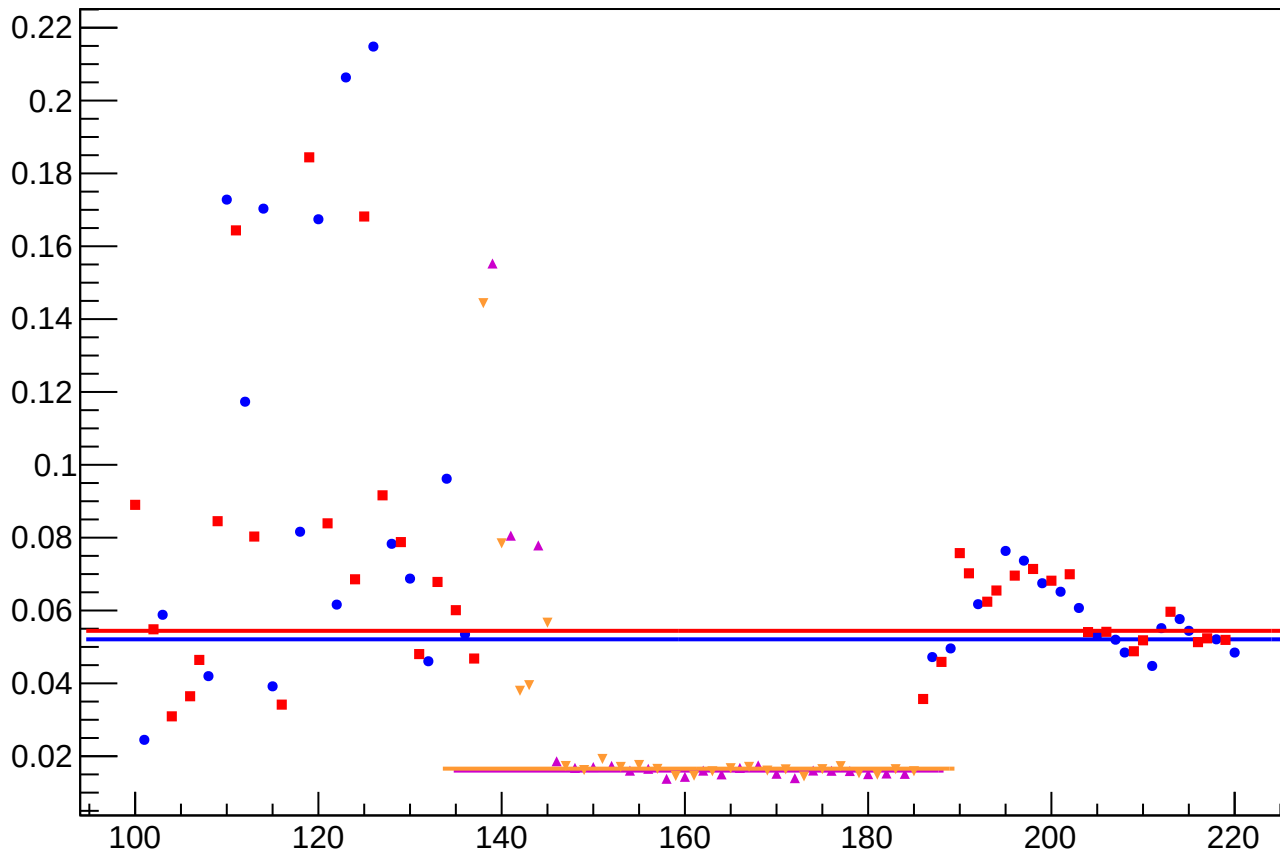
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.026 ± 0.000 χ^2/NDF : 125152194593.7/58

All: 2.016 ± 0.000 χ^2/NDF : 239880219567.9

- sign 2.005 ± 0.000 χ^2/NDF : 114715142887.0/59

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3575804.5/33

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 2885579.8/36

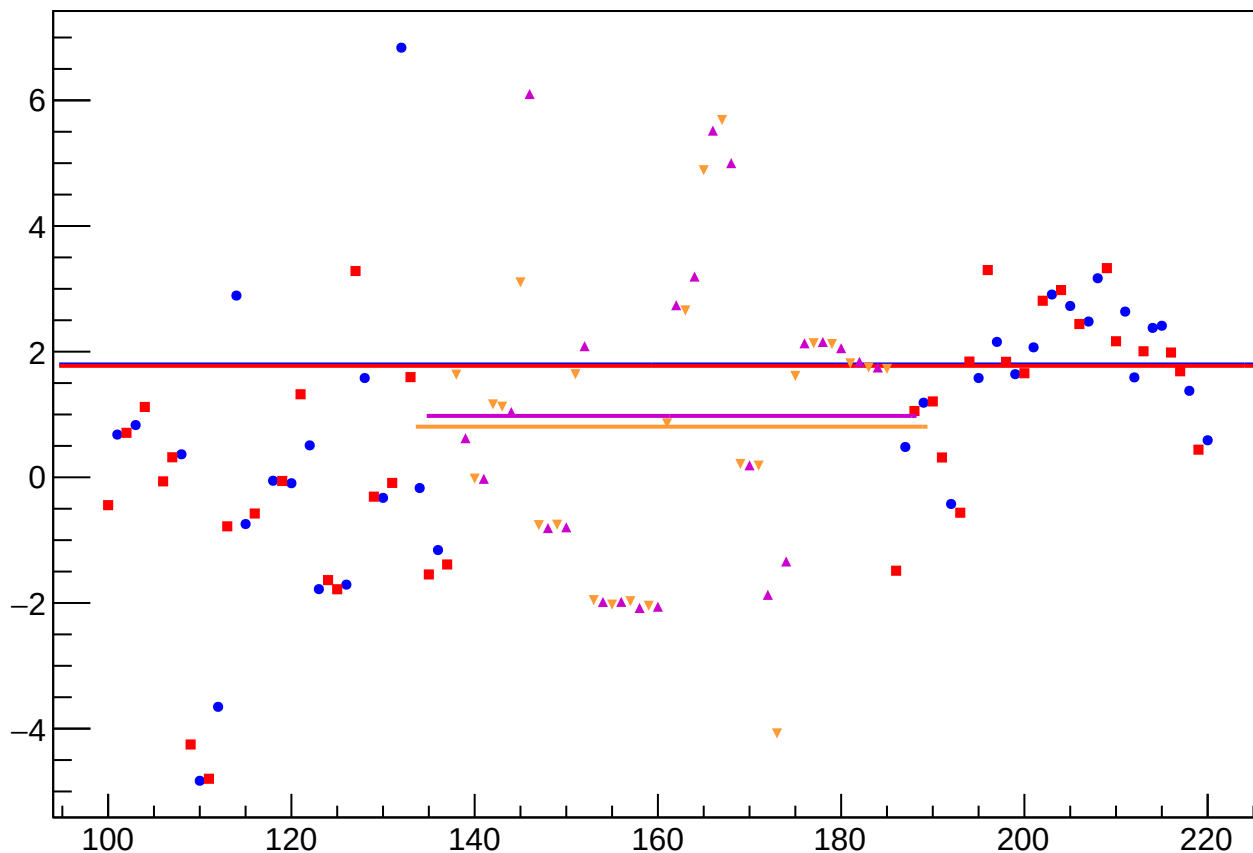
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 18644735.3/58

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 37980086.2/118

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 19323877.2/59

yield_bpm1Y_mean vs Slug



Right In: 1.796 $\pm$ 0.000 χ^2 /NDF: 43718239139.8/33

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 507578952196.2/24

Right Out: 1.774 $\pm$ 0.000 χ^2 /NDF: 43944550116.7/36

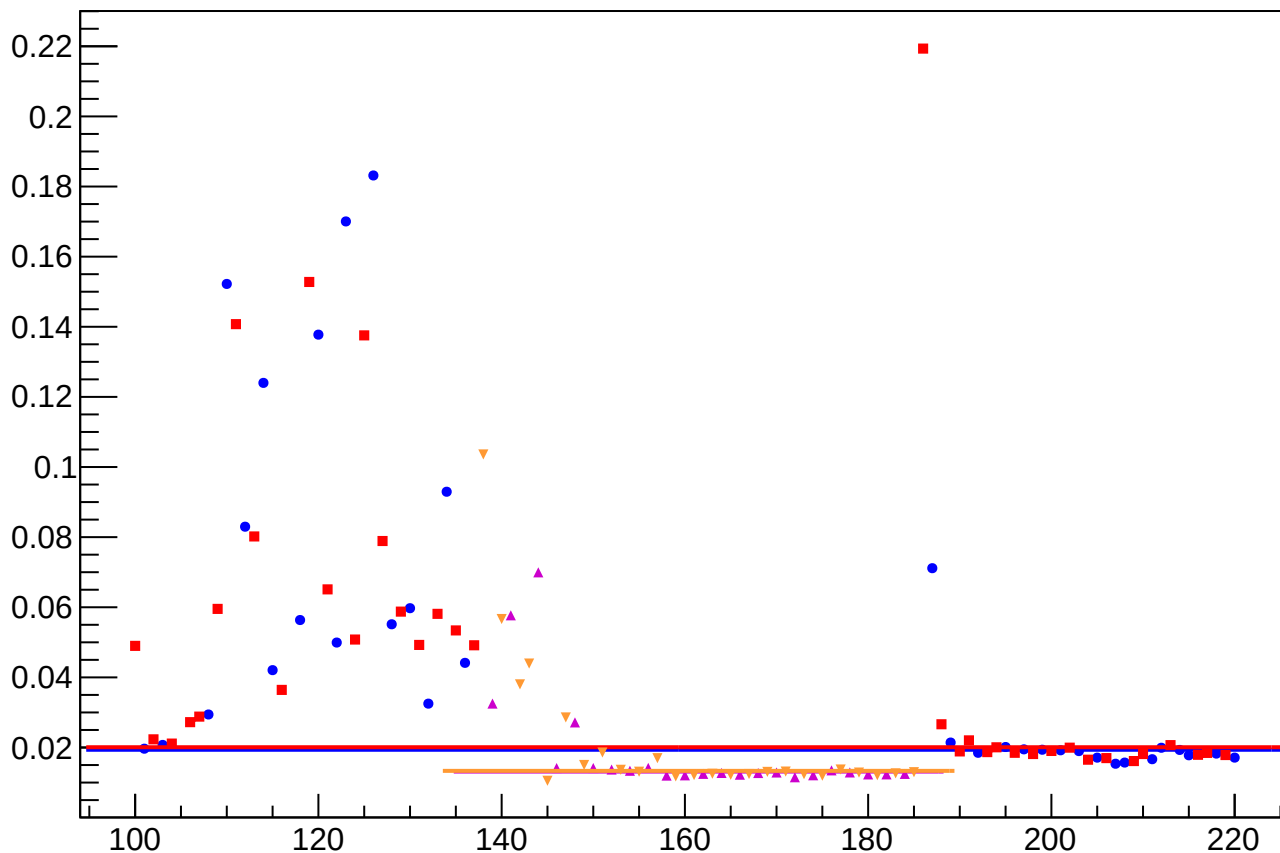
Left In: 0.977 $\pm$ 0.000 χ^2 /NDF: 568209676597.4/22

+ sign 1.100 $\pm$ 0.000 χ^2 /NDF: 576042180625.5/58

All: 1.152 $\pm$ 0.000 χ^2 /NDF: 1204224139255.

- sign 1.204 $\pm$ 0.000 χ^2 /NDF: 627535899360.6/59

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 4242043.4/33

Left Out: 0.013+/-0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5227698.8/36

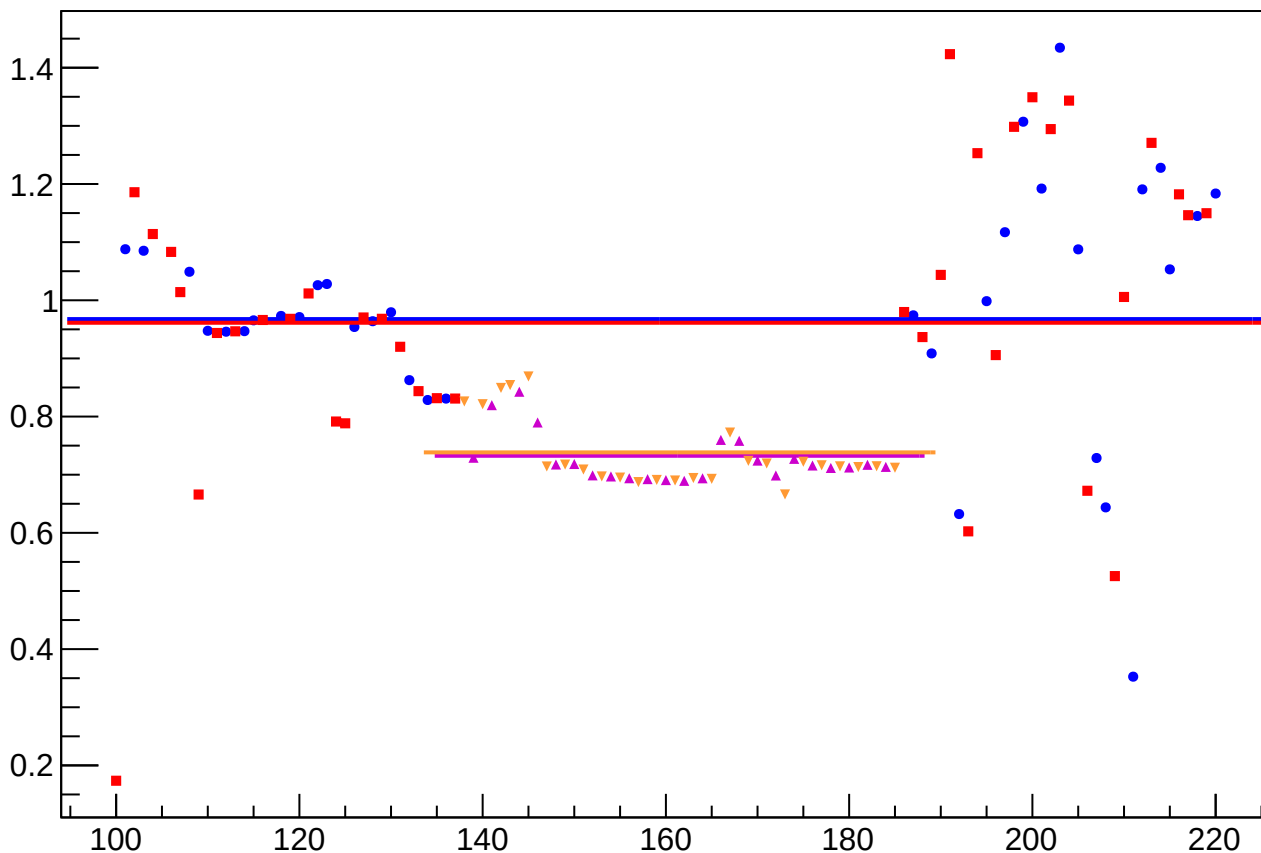
Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

+ sign 0.015+/-0.000 χ^2/NDF : 8897635.2/58

All: 0.015+/-0.000 χ^2/NDF : 18404688.8/118

- sign 0.015+/-0.000 χ^2/NDF : 9507029.1/59

yield_bpm11X_mean vs Slug



Right In: 0.968 $\pm$ 0.000 χ^2 /NDF: 1079130420.1/33

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310195180.4/24

Right Out: 0.961 $\pm$ 0.000 χ^2 /NDF: 1319585988.8/36

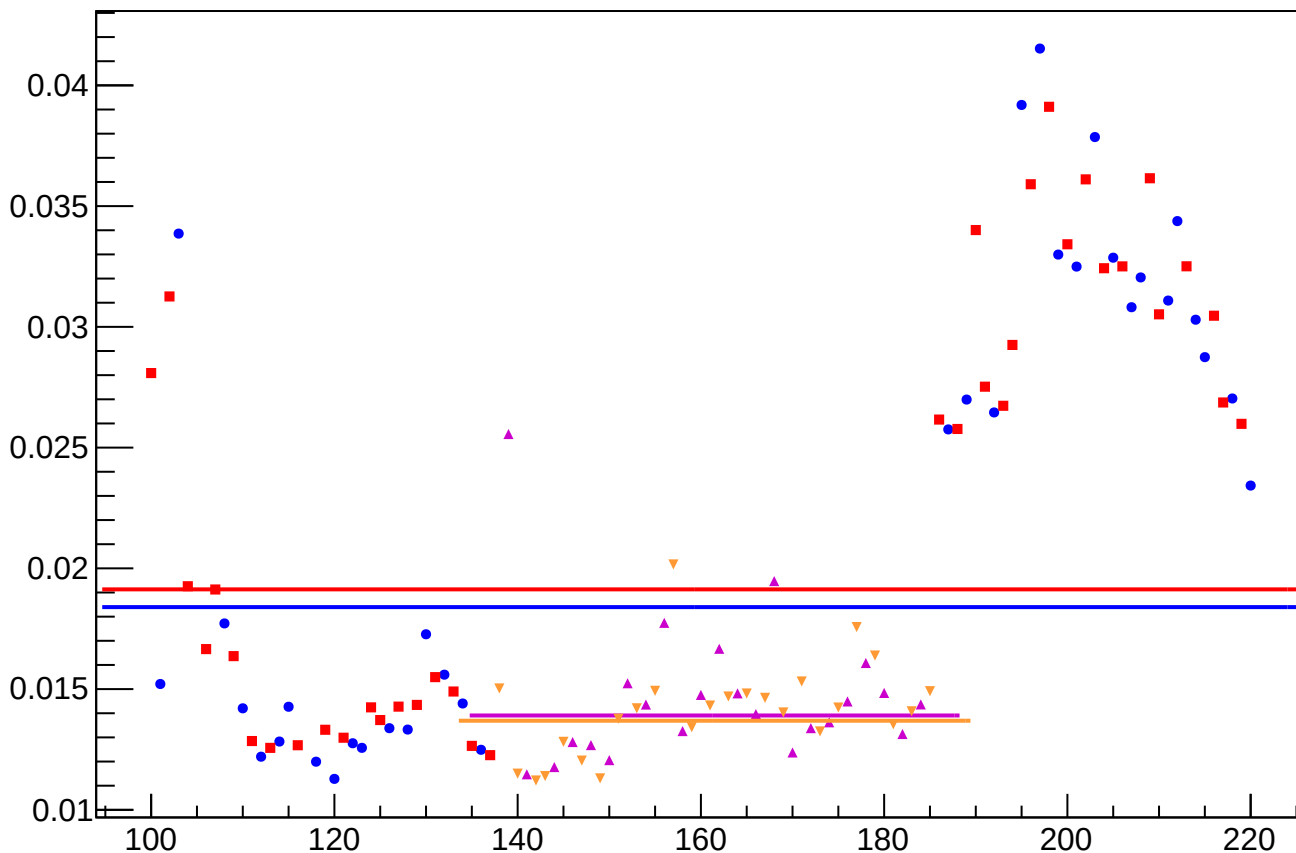
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.815 $\pm$ 0.000 χ^2 /NDF: 2896842468.8/58

All: 0.813 $\pm$ 0.000 χ^2 /NDF: 5822851187.6/11

- sign 0.811 $\pm$ 0.000 χ^2 /NDF: 2925275382.8/59

yield_bpm11X_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 5826071.4/33

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:528480.6/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 5227084.3/36

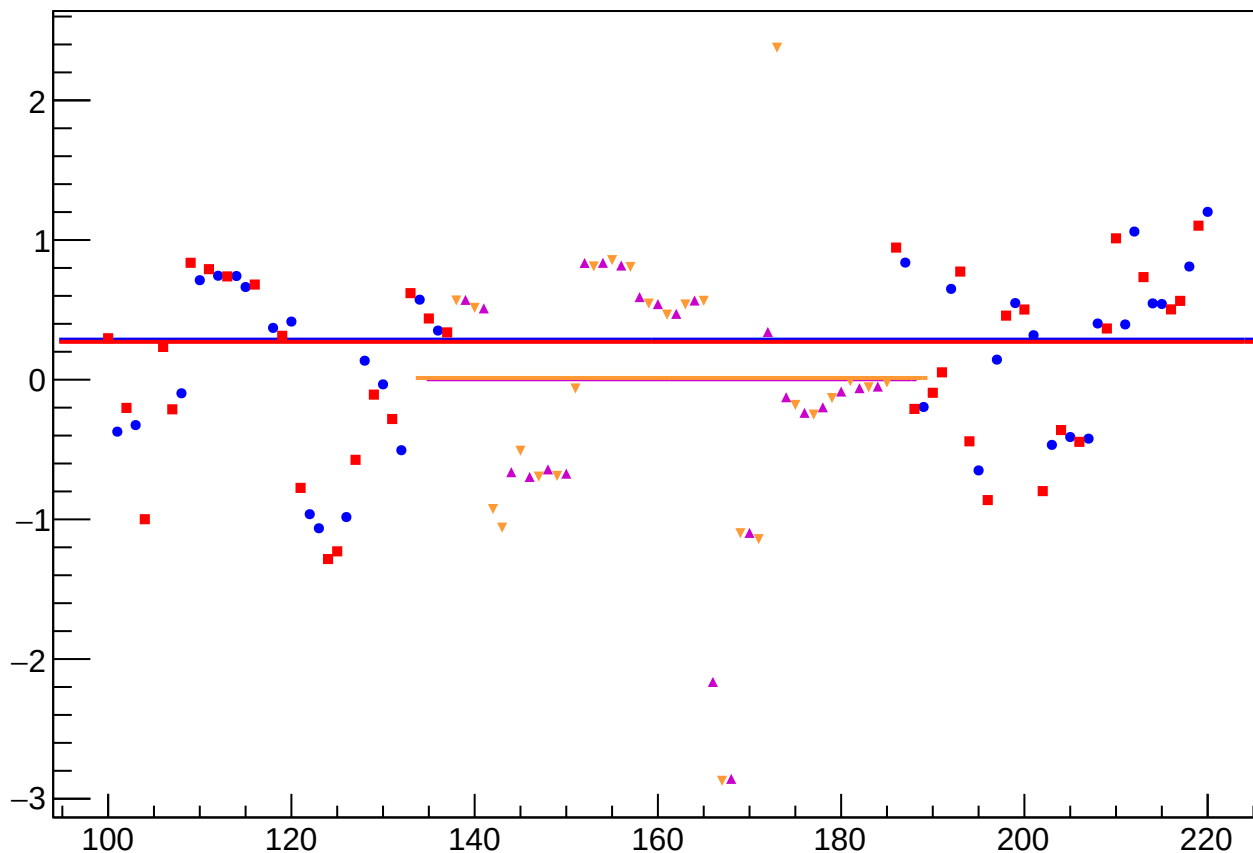
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:768161.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 7624177.4/58

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 15140544.3/118

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 7491236.5/59

yield_bpm11Y_mean vs Slug



Right In: 0.287+/-0.000 χ^2/NDF : 43919873982.5/33

Left Out: 0.012+/-0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.271+/-0.000 χ^2/NDF : 50298322884.8/36

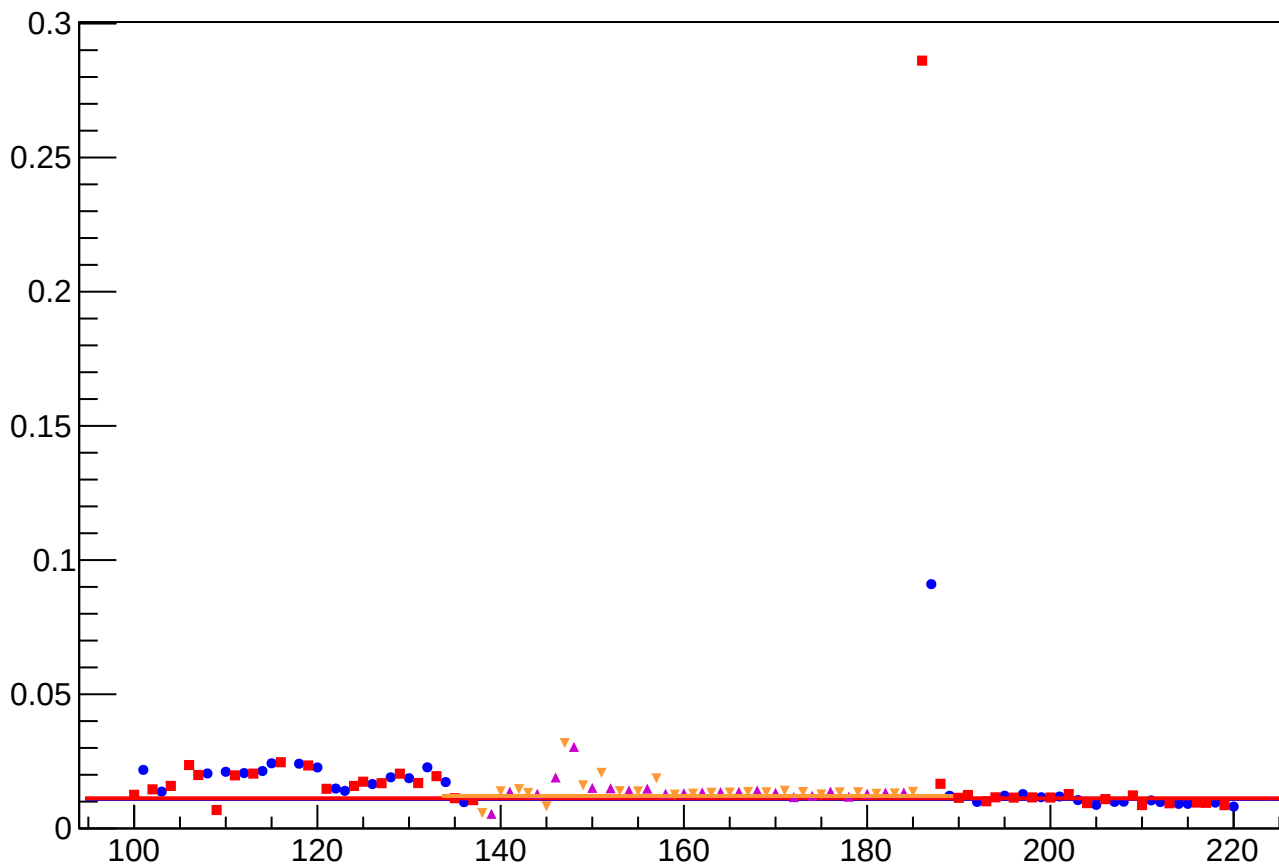
Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.162+/-0.000 χ^2/NDF : 144789328137.5/58

All: 0.156+/-0.000 χ^2/NDF : 278045332260.4

- sign 0.150+/-0.000 χ^2/NDF : 133238923409.8/59

yield_bpm11Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2850915.7/33

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 3226961.1/36

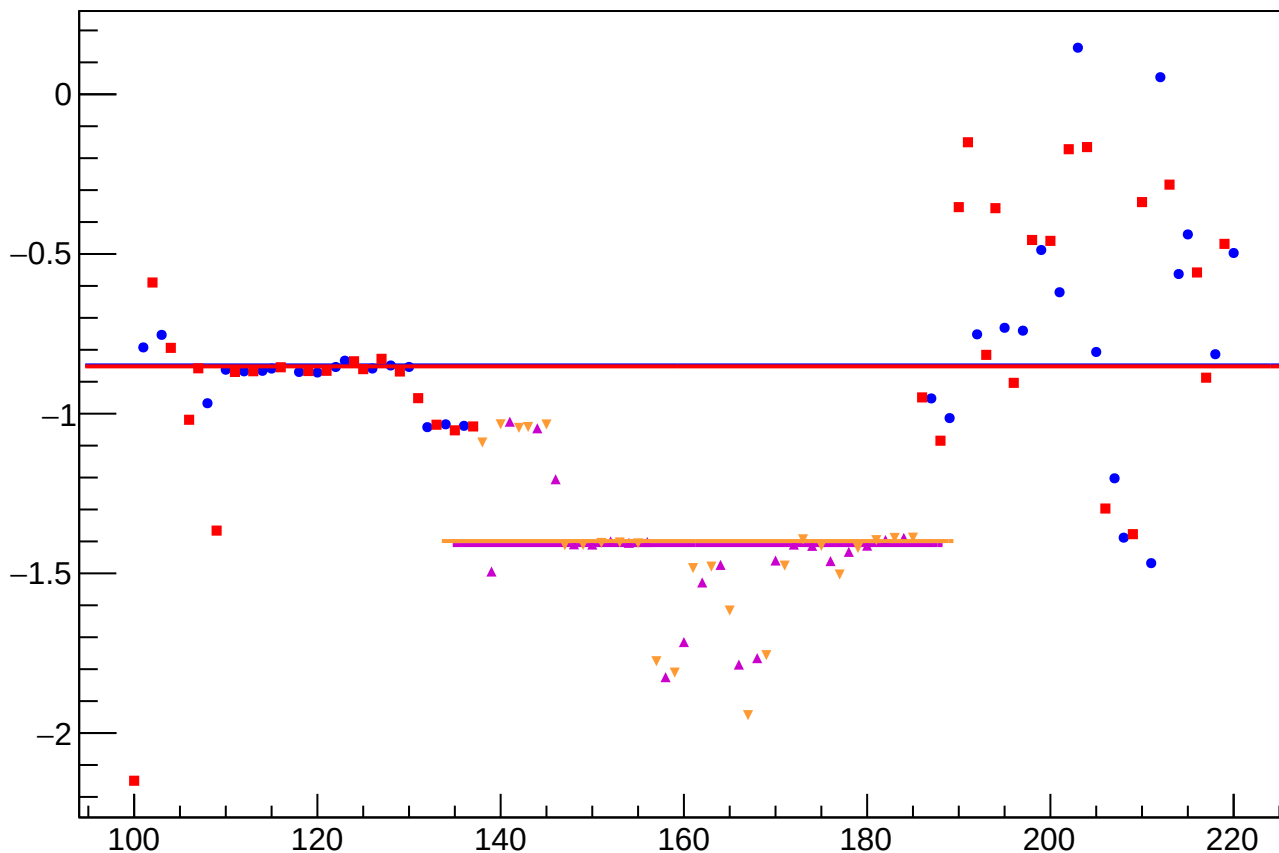
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 6103974.9/58

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 12403127.7/118

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 6297693.4/59

yield_bpm12X_mean vs Slug



Right In: -0.849 ± 0.000 χ^2/NDF : 398051073.3/33

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.852 ± 0.000 χ^2/NDF : 517874996.1/36

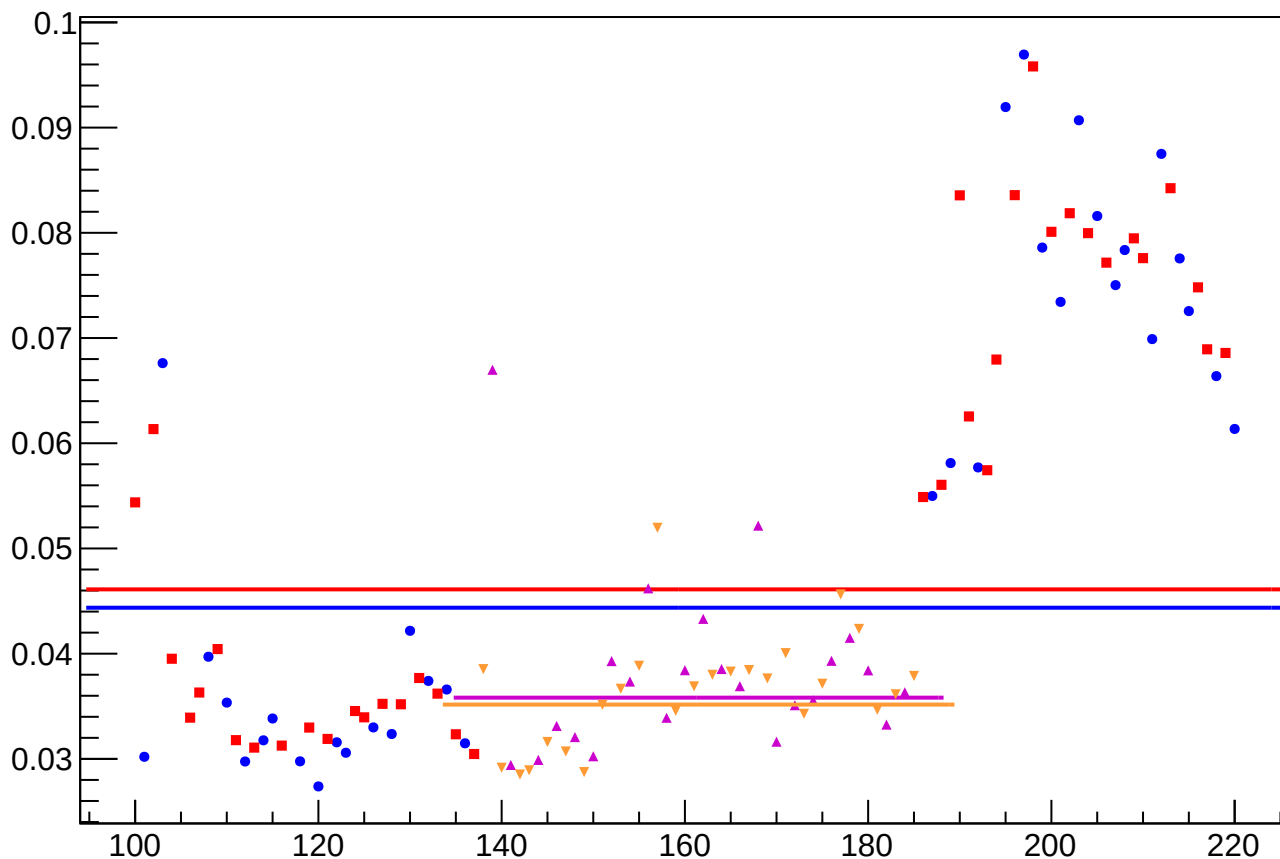
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.197 ± 0.000 χ^2/NDF : 2574254932.5/58

All: -1.198 ± 0.000 χ^2/NDF : 5019972008.7/1

- sign -1.199 ± 0.000 χ^2/NDF : 2445684697.7/59

yield_bpm12X_rms vs Slug



Right In: 0.044 $\pm$ 0.000 χ^2 /NDF: 5694140.2/33

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 595219.5/24

Right Out: 0.046 $\pm$ 0.000 χ^2 /NDF: 4905955.3/36

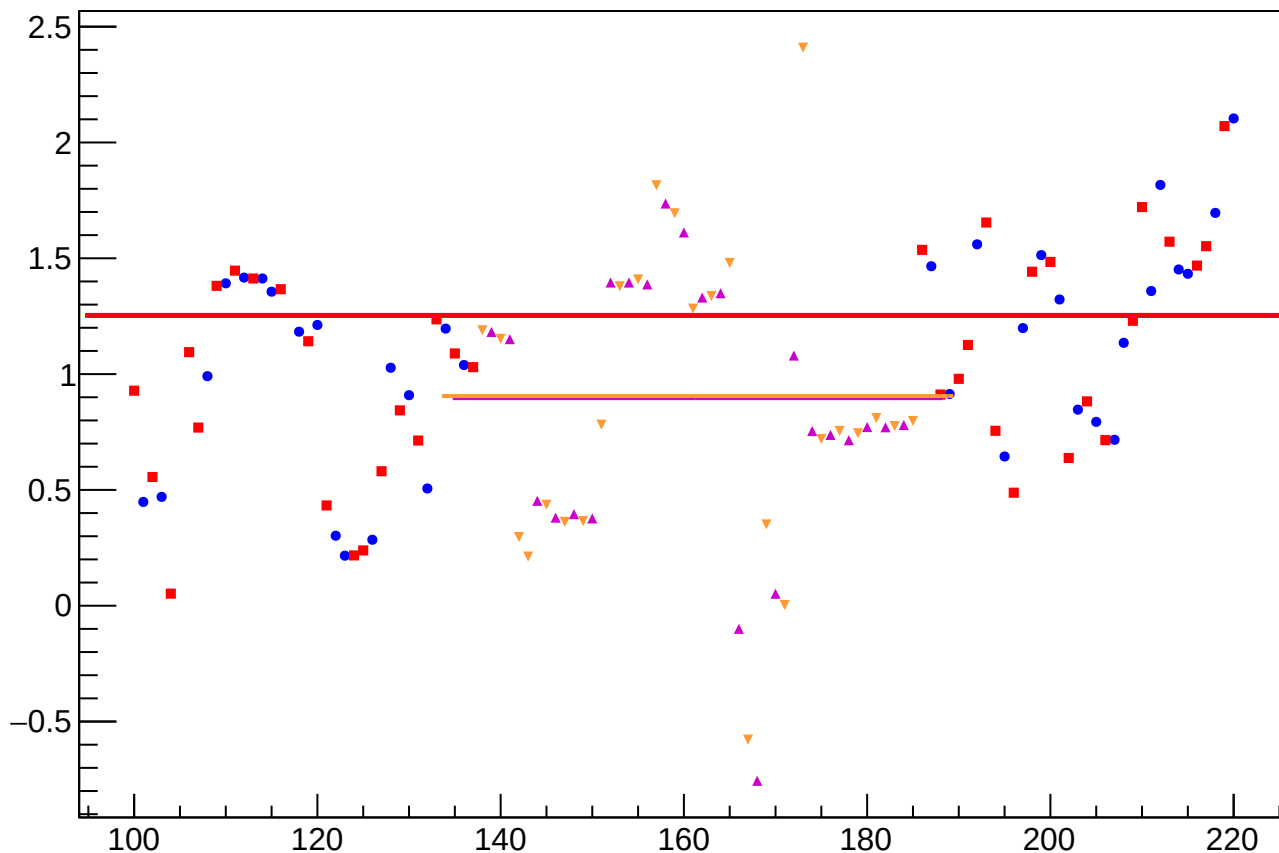
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 864147.6/22

+ sign 0.039 $\pm$ 0.000 χ^2 /NDF: 7095148.3/58

All: 0.039 $\pm$ 0.000 χ^2 /NDF: 13850931.4/118

- sign 0.040 $\pm$ 0.000 χ^2 /NDF: 6727657.7/59

yield_bpm12Y_mean vs Slug



Right In: 1.252 $\pm$ 0.000 χ^2 /NDF: 73424795371.3/33

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.256 $\pm$ 0.000 χ^2 /NDF: 71624433534.9/36

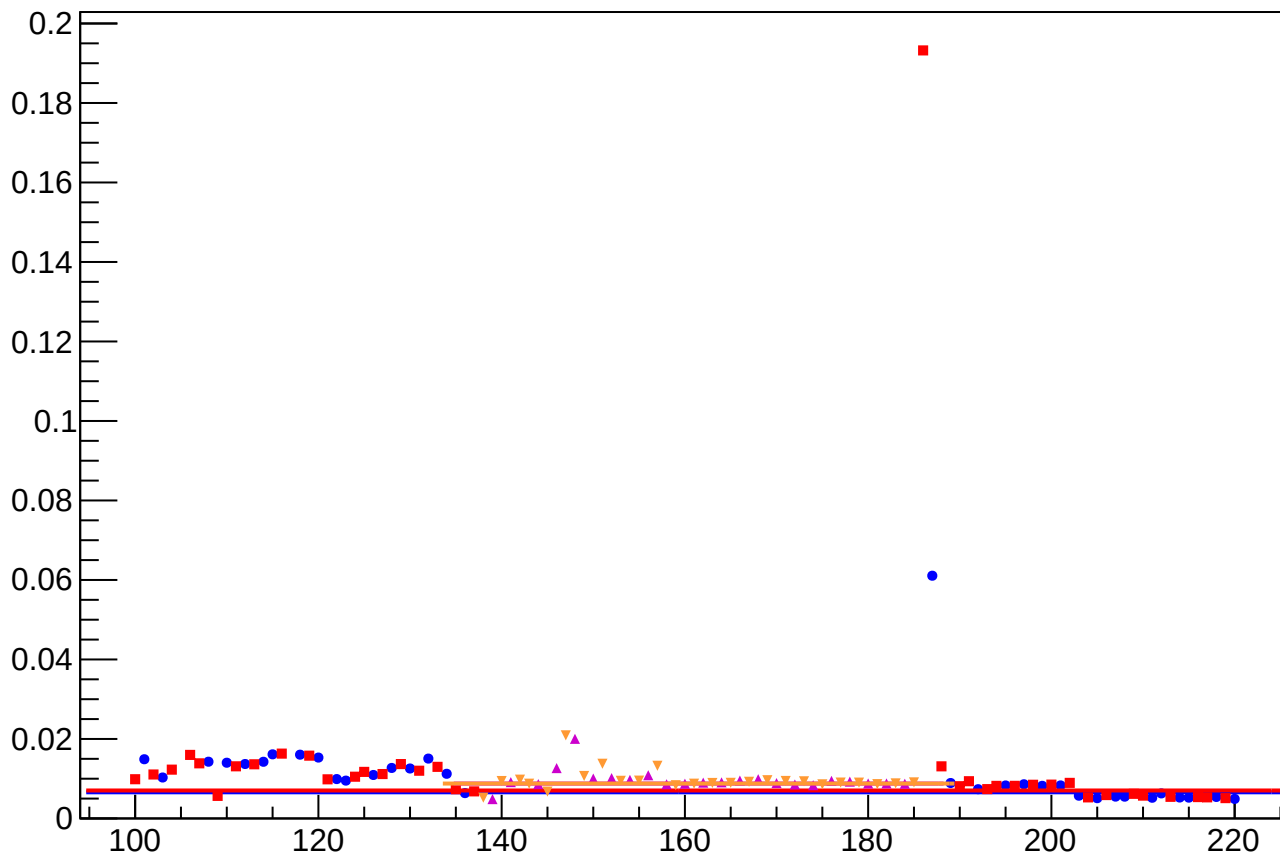
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 1.121 $\pm$ 0.000 χ^2 /NDF: 174087876511.5/58

All: 1.119 $\pm$ 0.000 χ^2 /NDF: 328457563467.2

- sign 1.116 $\pm$ 0.000 χ^2 /NDF: 154360065400.0/59

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 4029673.5/33

Left Out: 0.009+/-0.000 χ^2/NDF :1697568.1/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4325200.1/36

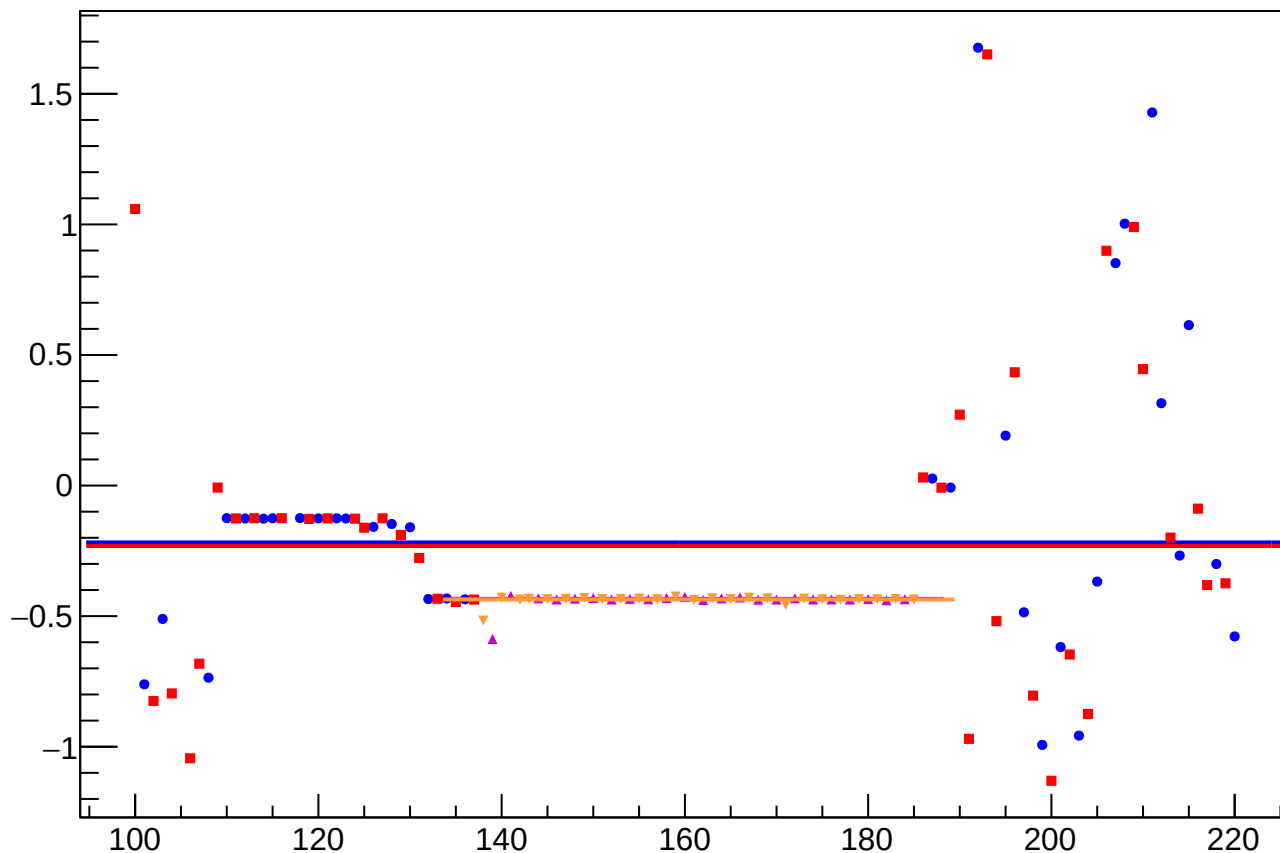
Left In: 0.009+/-0.000 χ^2/NDF :1607939.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 7046882.9/58

All: 0.008+/-0.000 χ^2/NDF : 13784190.4/118

- sign 0.008+/-0.000 χ^2/NDF : 6685394.0/59

yield_bpm16X_mean vs Slug



Right In: -0.218 ± 0.000 χ^2/NDF : 5044667349.7/33

Left Out: -0.436 ± 0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.232 ± 0.000 χ^2/NDF : 3442822640.7/36

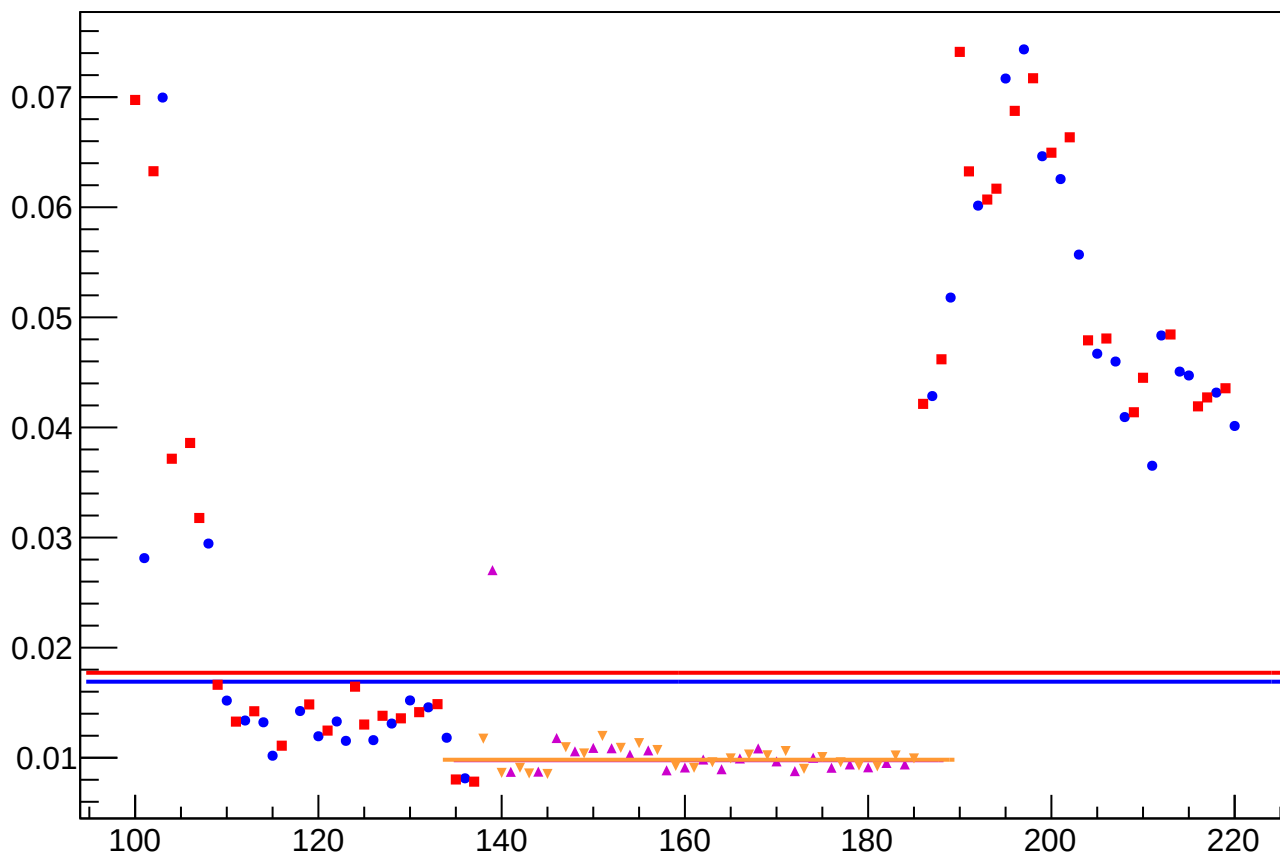
Left In: -0.434 ± 0.000 χ^2/NDF : 23984173.0/22

+ sign -0.396 ± 0.000 χ^2/NDF : 6507560540.2/58

All: -0.396 ± 0.000 χ^2/NDF : 11126607345.3/59

- sign -0.397 ± 0.000 χ^2/NDF : 4618949130.4/59

yield_bpm16X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 13627631.6/33

Left Out: 0.010+/-0.000 χ^2/NDF : 269242.6/24

Right Out: 0.018+/-0.000 χ^2/NDF : 13827454.5/36

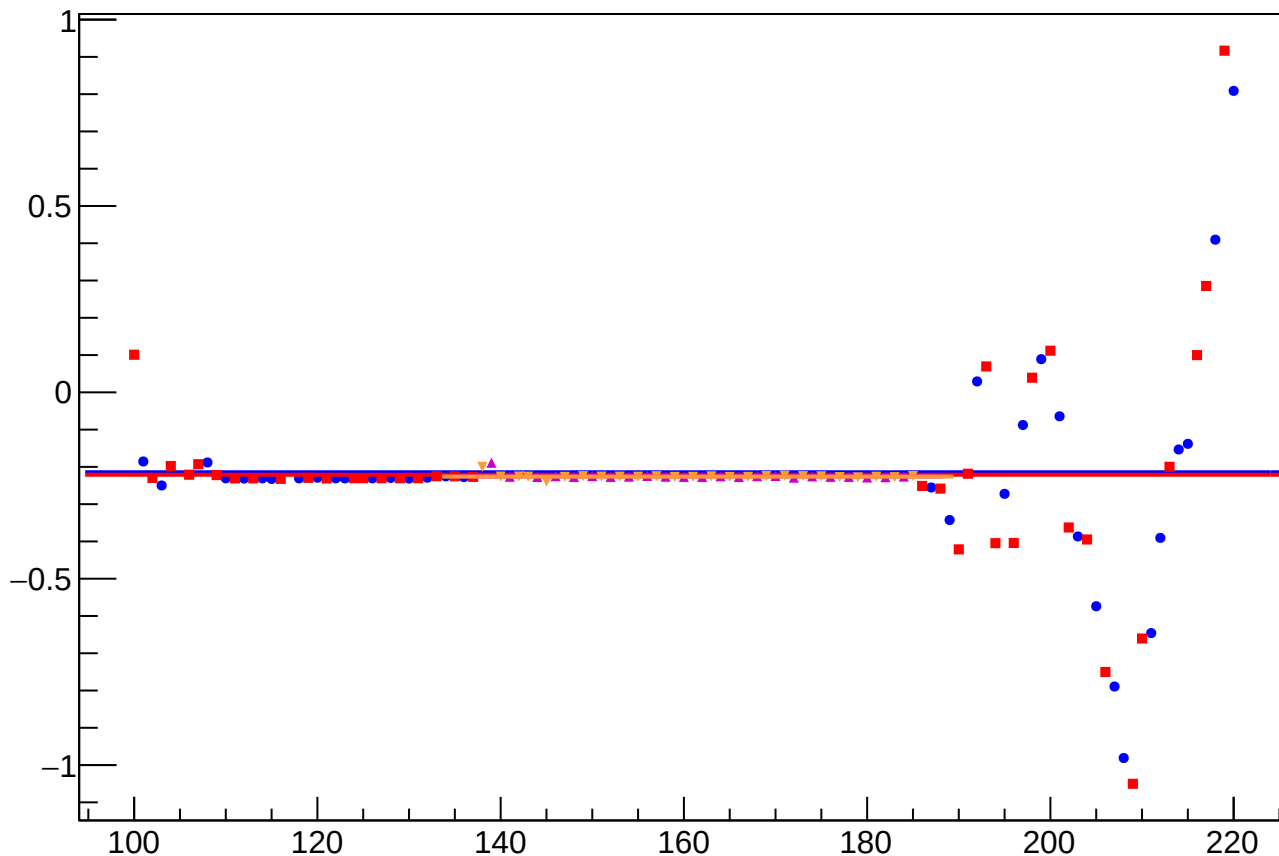
Left In: 0.010+/-0.000 χ^2/NDF : 747550.0/22

+ sign 0.011+/-0.000 χ^2/NDF : 16915612.9/58

All: 0.011+/-0.000 χ^2/NDF : 35037595.0/118

- sign 0.011+/-0.000 χ^2/NDF : 18119835.0/59

yield_bpm16Y_mean vs Slug



Right In: -0.214 ± 0.000 $\chi^2/\text{NDF}: 46773548651.5/33$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21205667.4/24$

Right Out: -0.221 ± 0.000 $\chi^2/\text{NDF}: 46853369475.5/36$

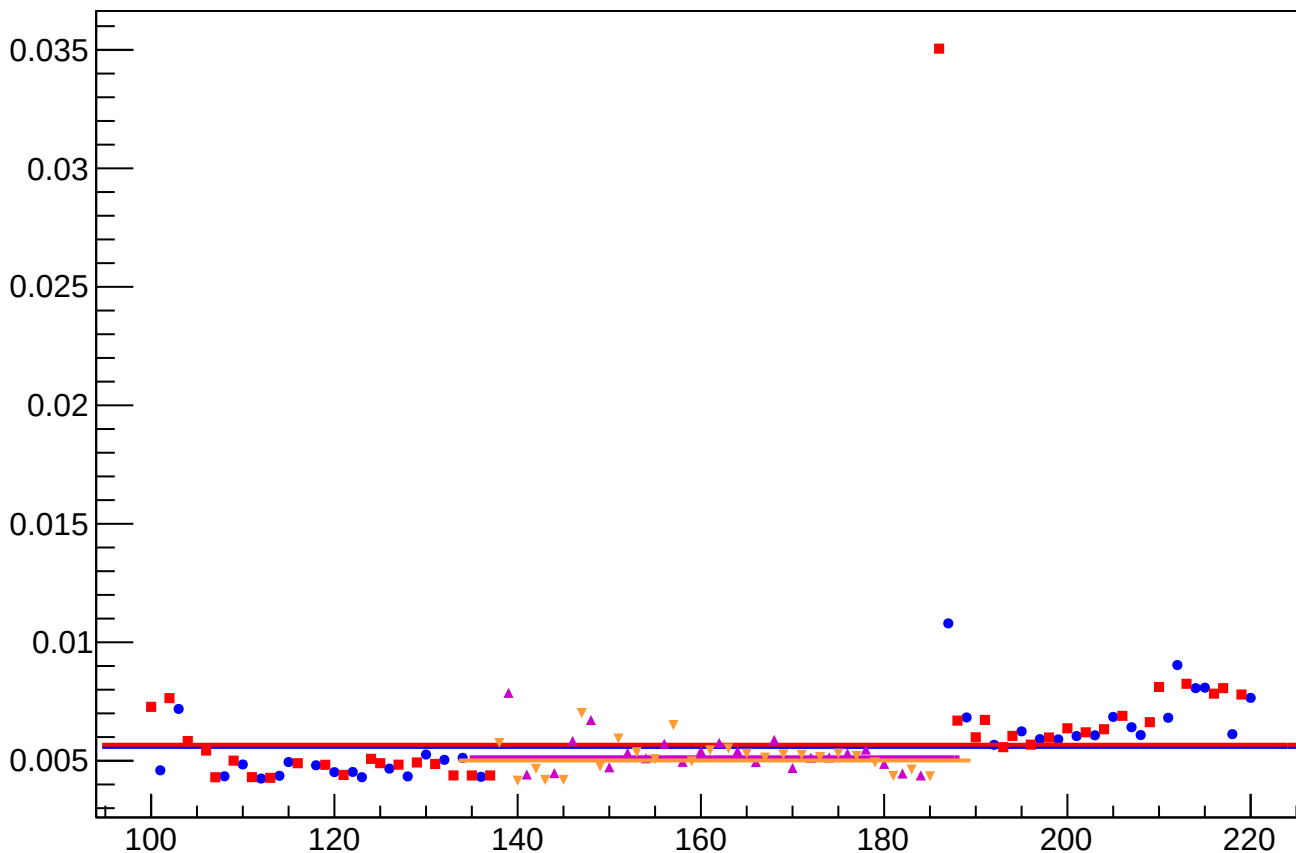
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 15245251.1/22$

+ sign -0.221 ± 0.000 $\chi^2/\text{NDF}: 46835623615.3/58$

All: -0.222 ± 0.000 $\chi^2/\text{NDF}: 93714638121.3/121$

- sign -0.224 ± 0.000 $\chi^2/\text{NDF}: 46874752295.1/59$

yield_bpm16Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1488794.2/33

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:530632.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1975295.1/36

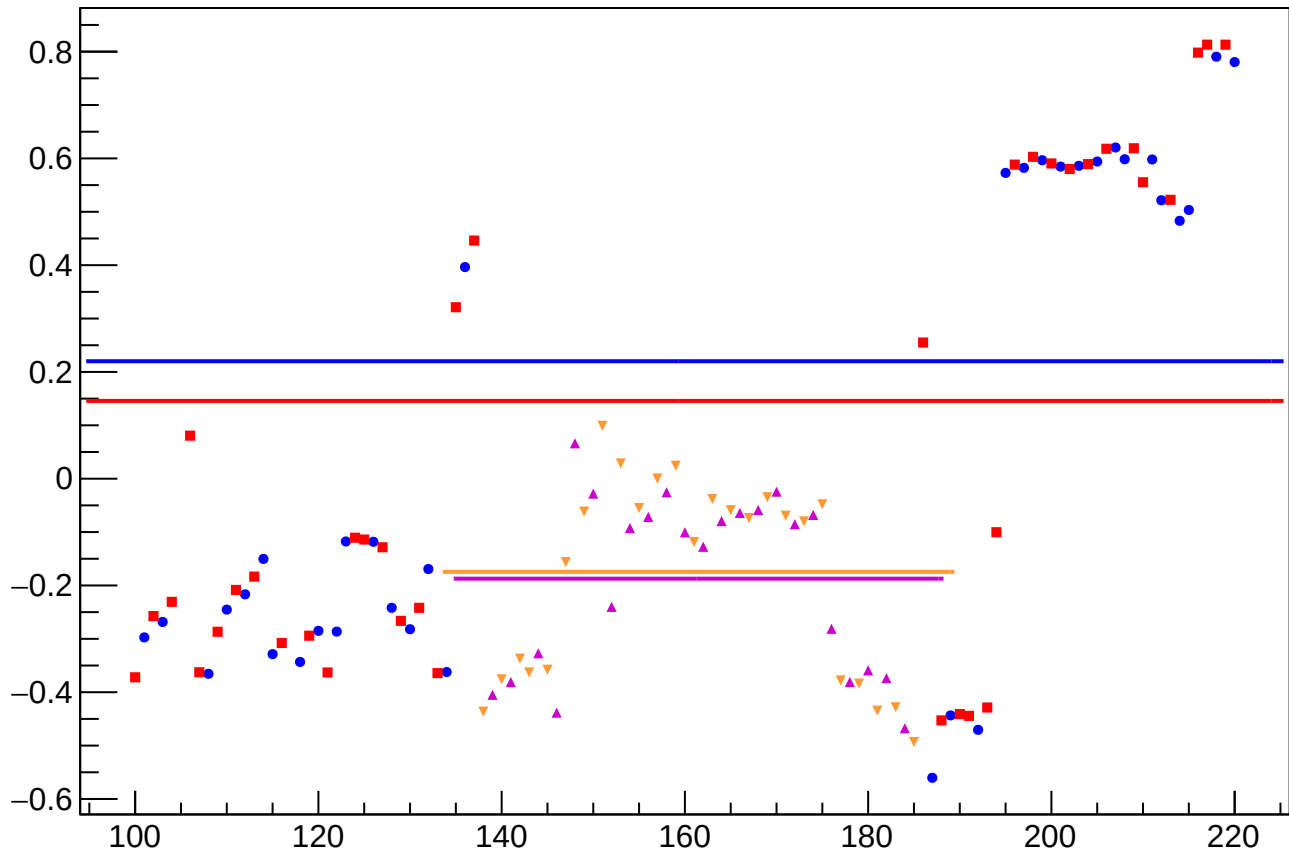
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:493107.7/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2217313.4/58

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 4867110.7/118

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2630299.2/59

yield_bpm0i02X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF : 78695994413.5/33

Left Out: -0.174+/-0.000 χ^2/NDF : 18025533236.1/24

Right Out: 0.146+/-0.000 χ^2/NDF : 85853759926.3/36

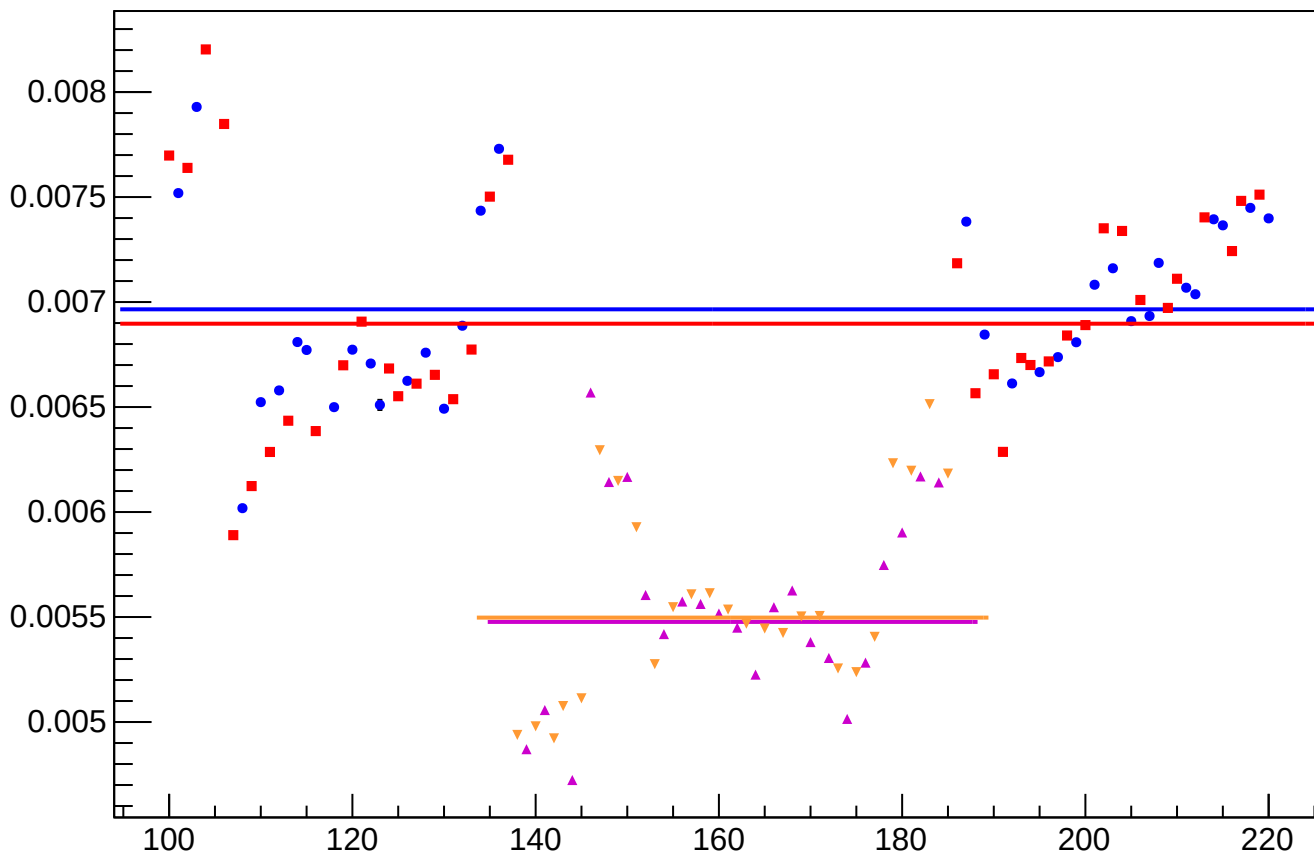
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.017+/-0.000 χ^2/NDF : 132688058114.3/58

All: -0.031+/-0.000 χ^2/NDF : 257444977691.8

- sign -0.046+/-0.000 χ^2/NDF : 124335500134.9/59

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 117703.6/33

Left Out: 0.005+/-0.000 χ^2/NDF : 198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 167655.0/36

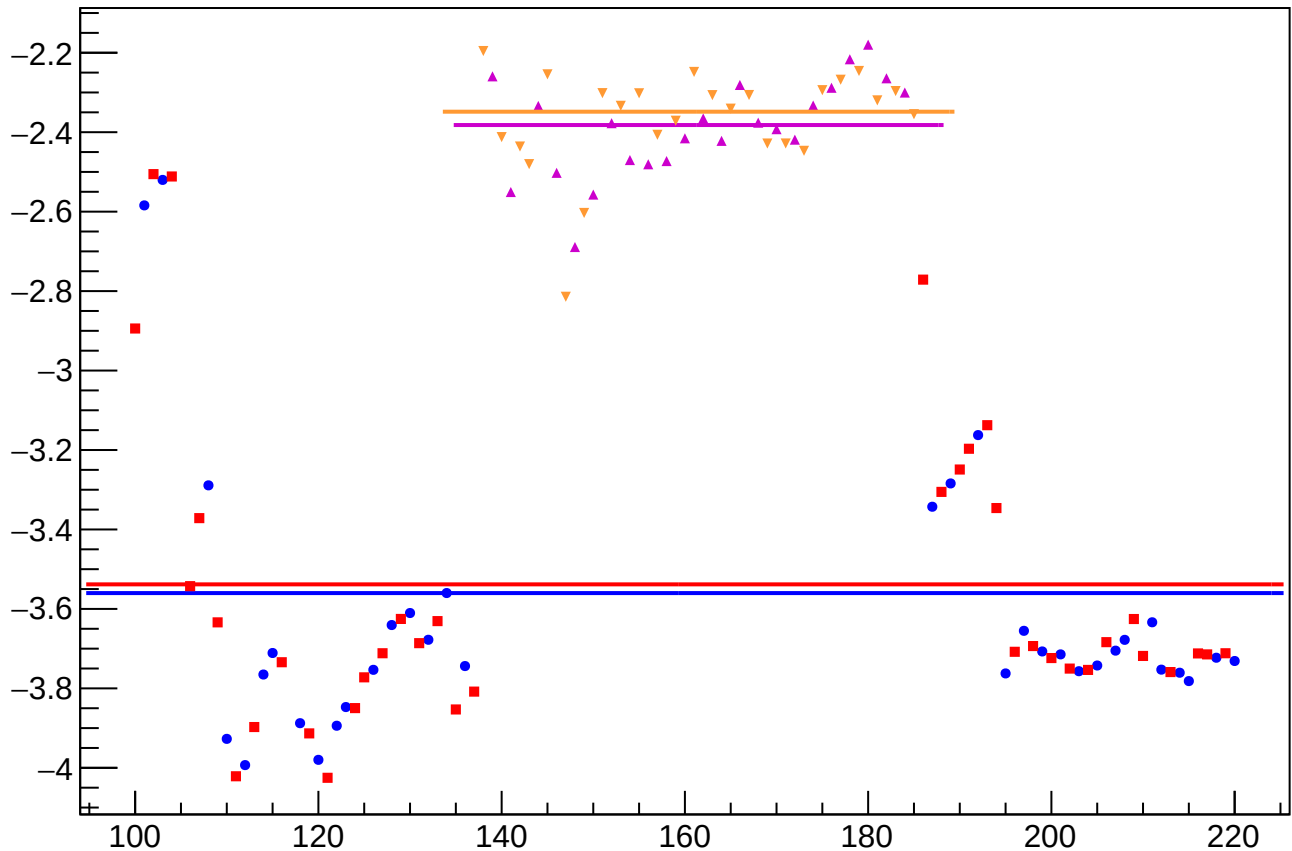
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 1312481.7/58

All: 0.006+/-0.000 χ^2/NDF : 2616018.2/118

- sign 0.006+/-0.000 χ^2/NDF : 1303491.4/59

yield_bpm0i02Y_mean vs Slug



Right In: -3.560+/-0.000 χ^2/NDF : 30979096509.8/33

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

+ sign -2.888+/-0.000 χ^2/NDF : 180310038398.1/58

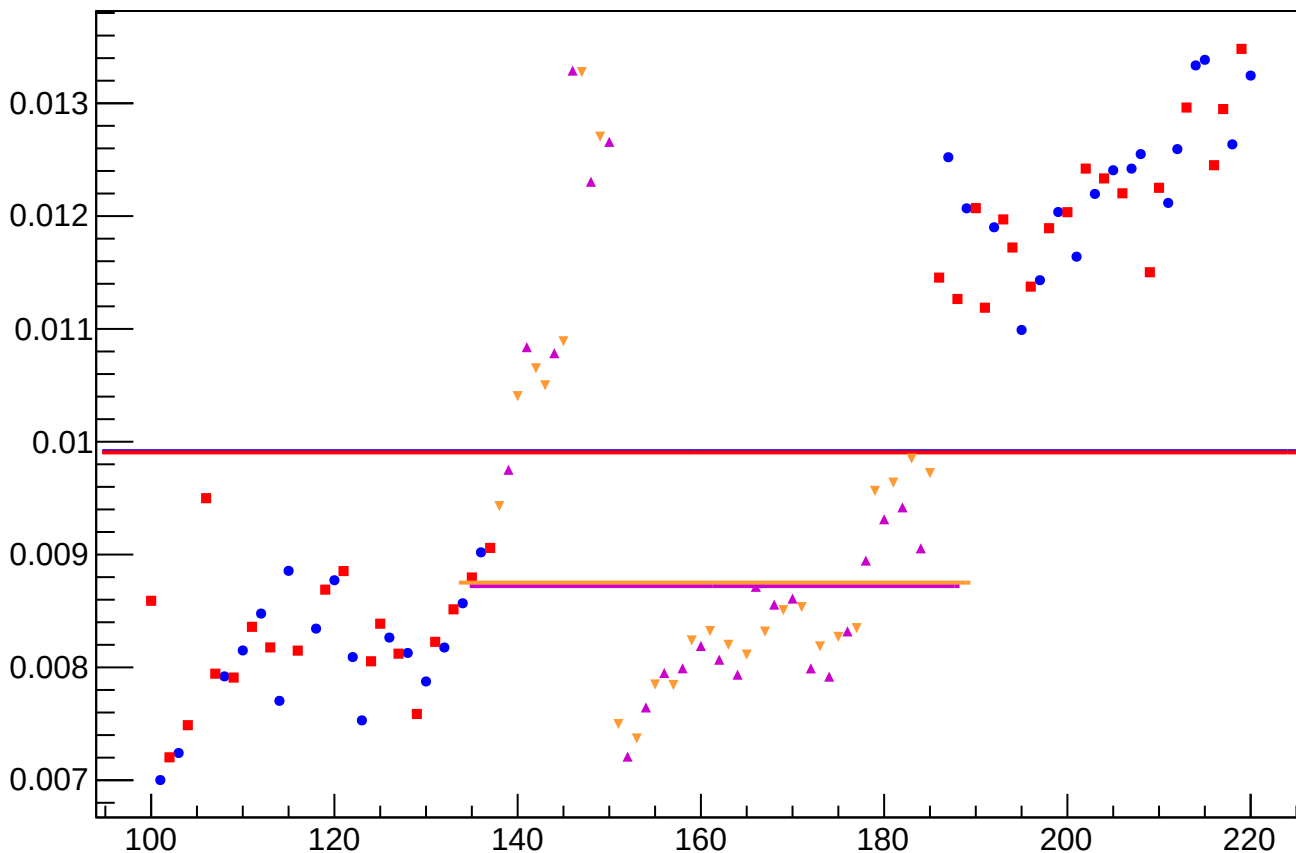
Right Out: -3.538+/-0.000 χ^2/NDF : 31752007967.8/36

All: -2.904+/-0.000 χ^2/NDF : 347499016588.4

- sign -2.921+/-0.000 χ^2/NDF : 166977726210.0/59

Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

yield_bpm0i02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1703237.6/33

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:663672.8/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1547031.4/36

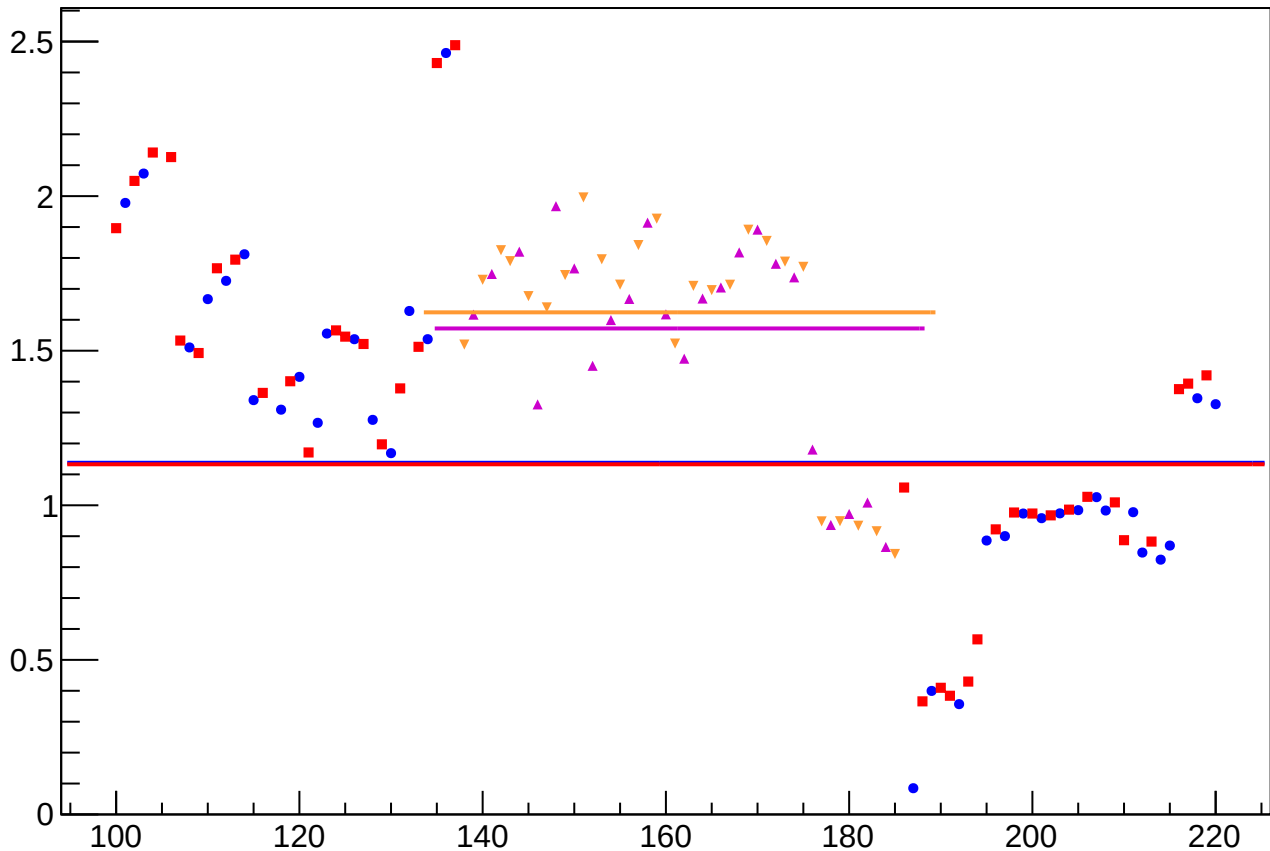
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:747867.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2638872.7/58

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 5213012.2/118

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2574137.4/59

yield_bpm0i02aX_mean vs Slug



Right In: 1.138 $\pm$ 0.000 χ^2 /NDF: 29210116341.0/33

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.133 $\pm$ 0.000 χ^2 /NDF: 34094940967.6/36

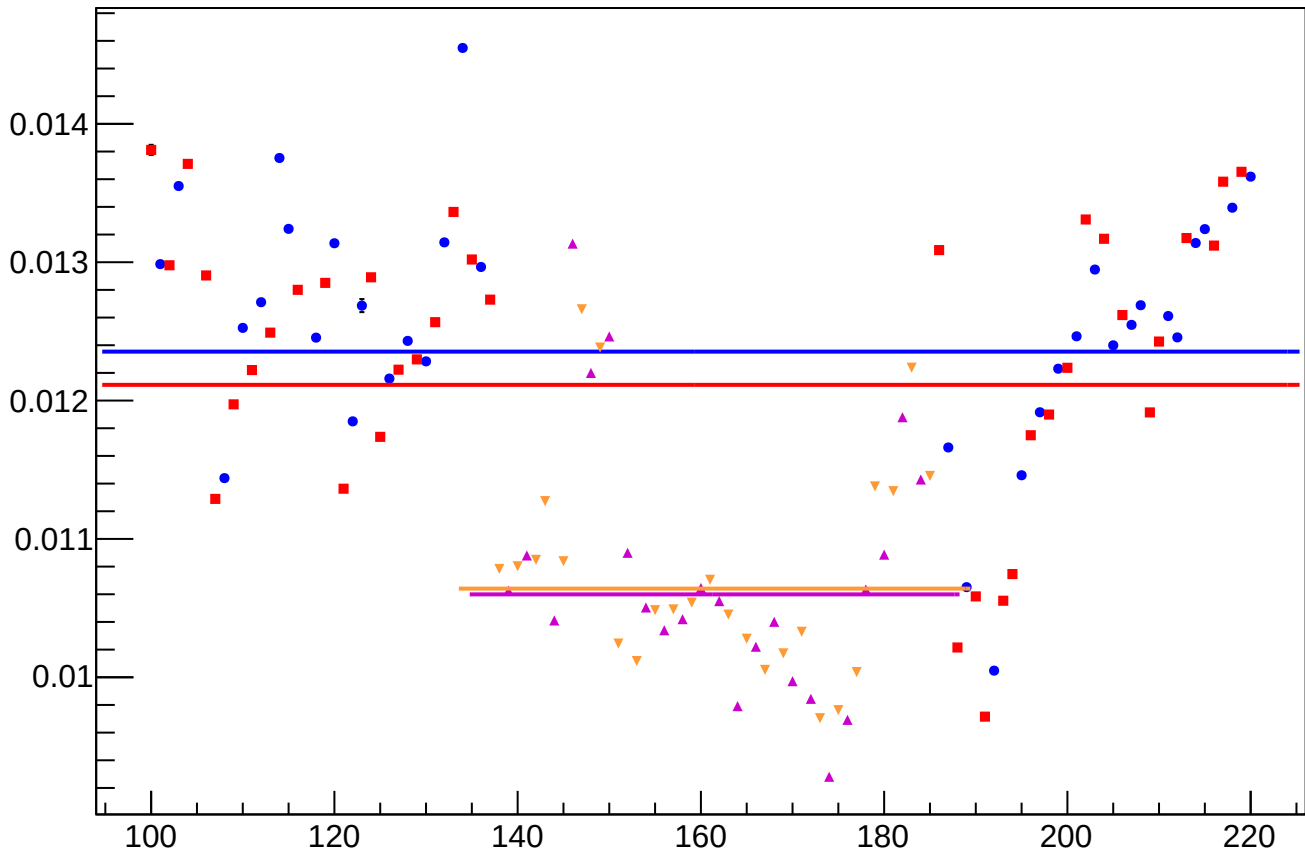
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.411 $\pm$ 0.000 χ^2 /NDF: 62006561545.0/58

All: 1.389 $\pm$ 0.000 χ^2 /NDF: 123881263647.4

- sign 1.367 $\pm$ 0.000 χ^2 /NDF: 61608503985.2/59

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 210719.4/33

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 295616.5/36

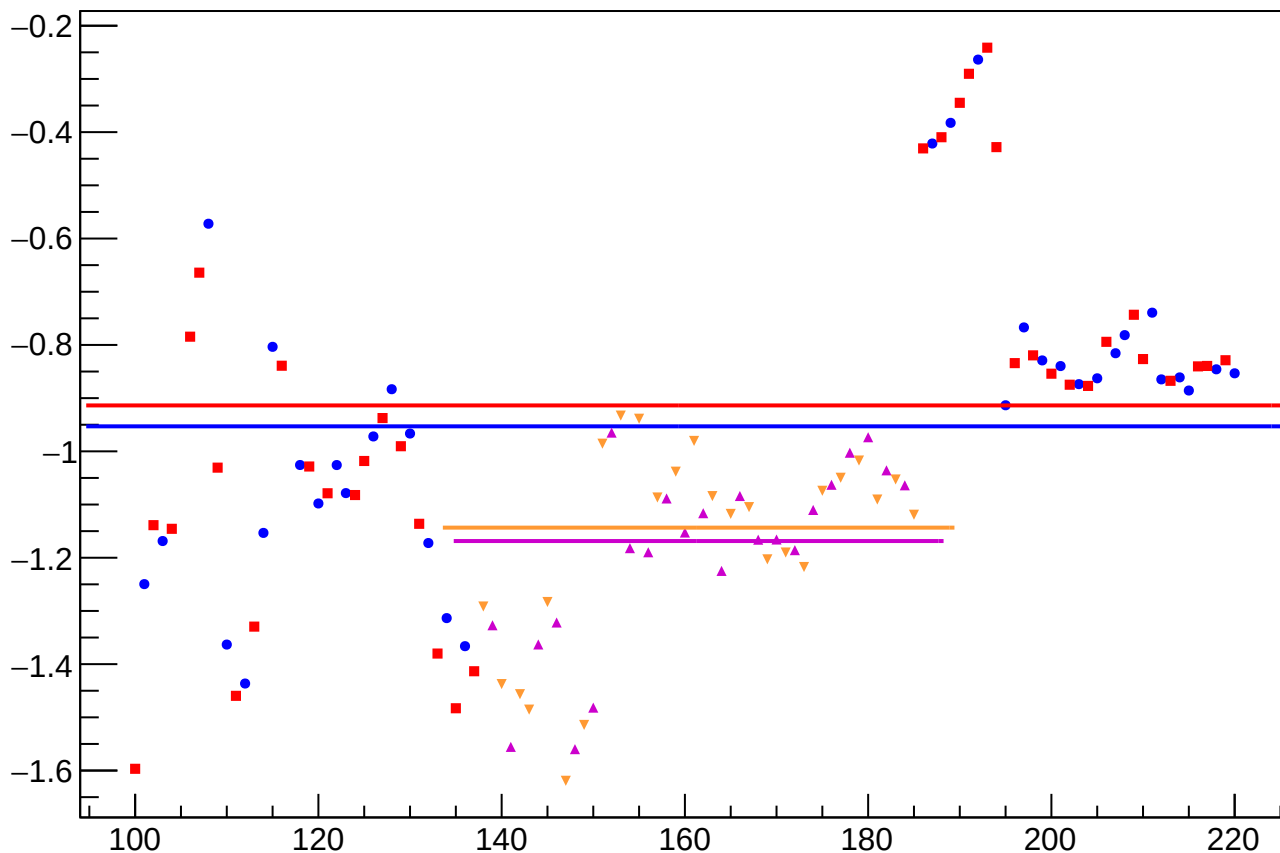
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 771103.8/58

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1589014.4/118

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 815872.6/59

yield_bpm0i02aY_mean vs Slug



Right In: -0.953 ± 0.000 χ^2/NDF : 11585041554.7/33

Left Out: -1.143 ± 0.000 χ^2/NDF : 7976364534.0/24

Right Out: -0.914 ± 0.000 χ^2/NDF : 16168541873.8/36

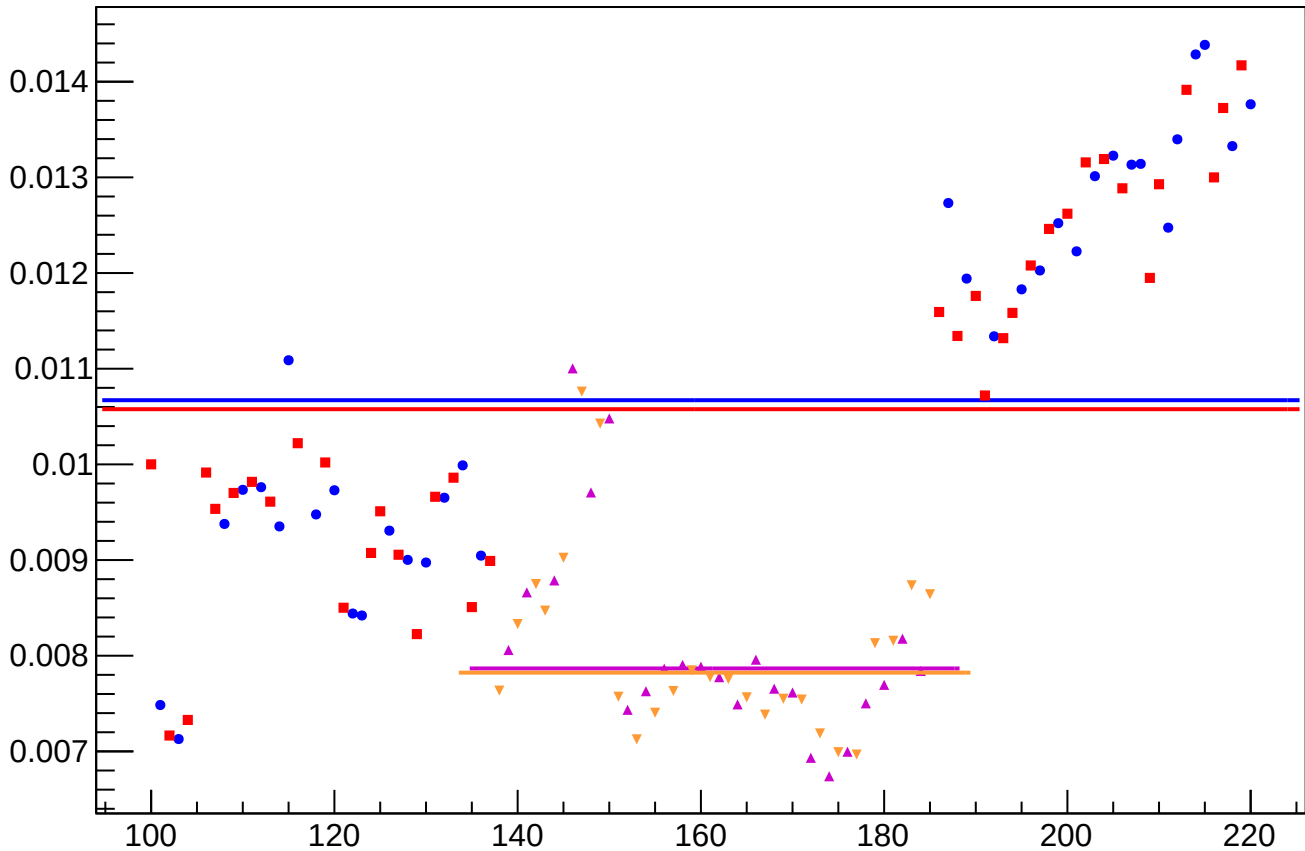
Left In: -1.169 ± 0.000 χ^2/NDF : 6362643368.6/22

+ sign -1.075 ± 0.000 χ^2/NDF : 23187844959.5/58

All: -1.073 ± 0.000 χ^2/NDF : 52244225714.6/116

- sign -1.071 ± 0.000 χ^2/NDF : 29052245311.6/59

yield_bpm0i02aY_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 1471042.1/33

Left Out: 0.008+/-0.000 χ^2/NDF : 336387.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 1348177.3/36

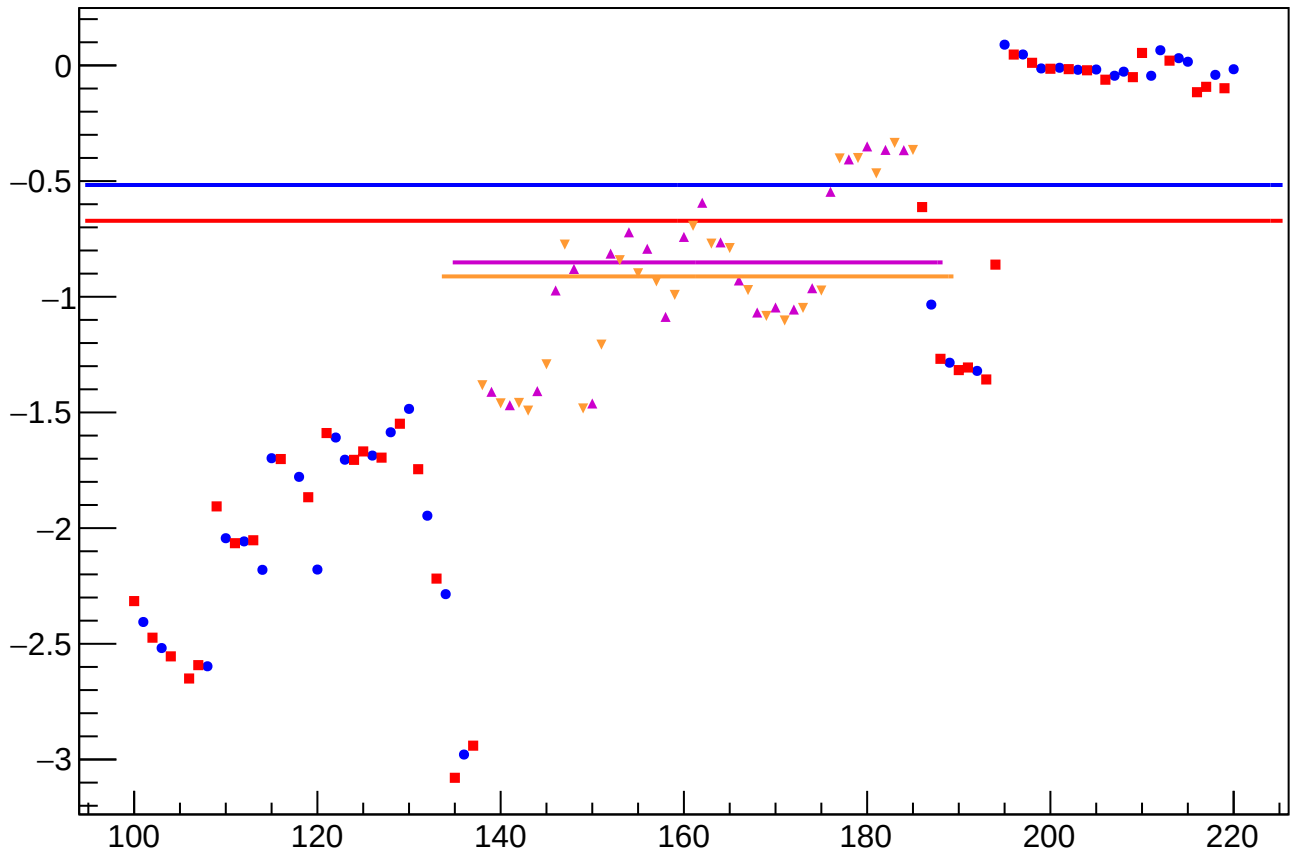
Left In: 0.008+/-0.000 χ^2/NDF : 379901.3/22

+ sign 0.009+/-0.000 χ^2/NDF : 3429840.1/58

All: 0.009+/-0.000 χ^2/NDF : 6633808.2/118

- sign 0.009+/-0.000 χ^2/NDF : 3202210.1/59

yield_bpm0i05X_mean vs Slug



Right In: -0.517 $\pm$ 0.000 χ^2 /NDF: 419307654644.6/33

Left Out: -0.912 $\pm$ 0.000 χ^2 /NDF: 49039425818.1/24

Right Out: -0.672 $\pm$ 0.000 χ^2 /NDF: 445701793992.8/36

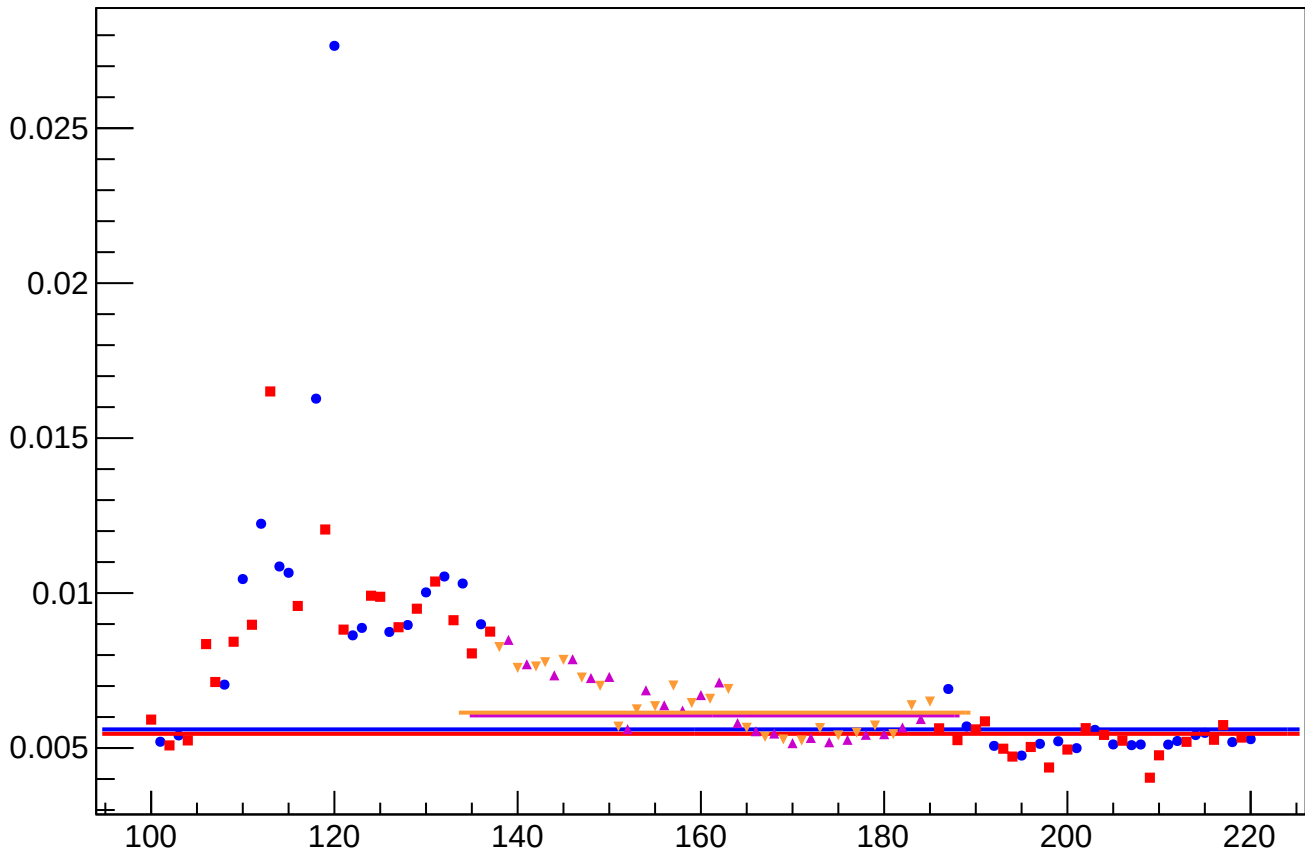
Left In: -0.851 $\pm$ 0.000 χ^2 /NDF: 46438446008.2/22

+ sign -0.701 $\pm$ 0.000 χ^2 /NDF: 505472616580.0/58

All: -0.726 $\pm$ 0.000 χ^2 /NDF: 1006691851632

- sign -0.751 $\pm$ 0.000 χ^2 /NDF: 500016556444.1/59

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2076749.0/33

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2135887.9/36

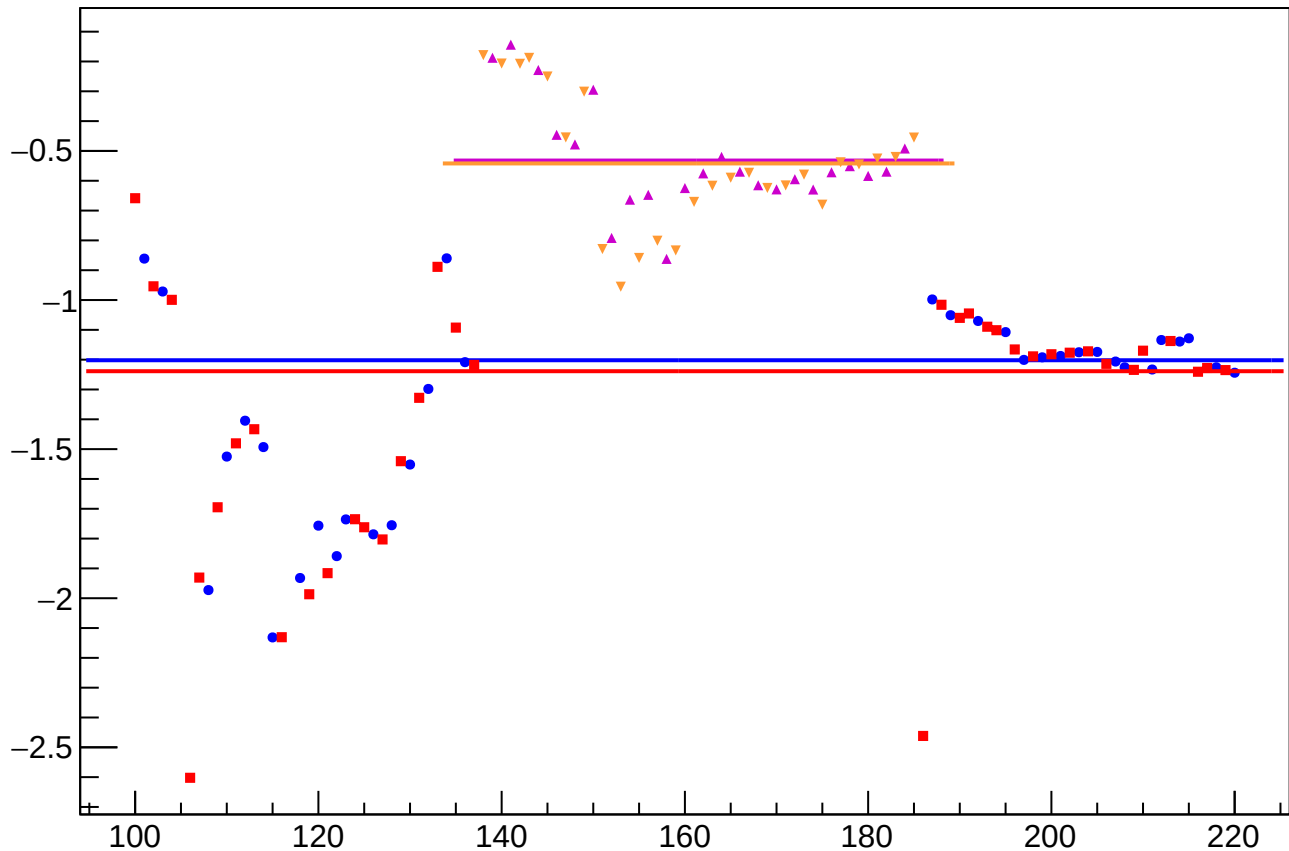
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2853432.1/58

All: 0.006+/-0.000 χ^2/NDF : 5876574.2/118

- sign 0.006+/-0.000 χ^2/NDF : 3005724.9/59

yield_bpm0i05Y_mean vs Slug



Right In: -1.202 ± 0.000 $\chi^2/\text{NDF}: 27044486722.4/33$

Left Out: -0.542 ± 0.000 $\chi^2/\text{NDF}: 47268284910.3/24$

Right Out: -1.239 ± 0.000 $\chi^2/\text{NDF}: 79547115749.9/36$

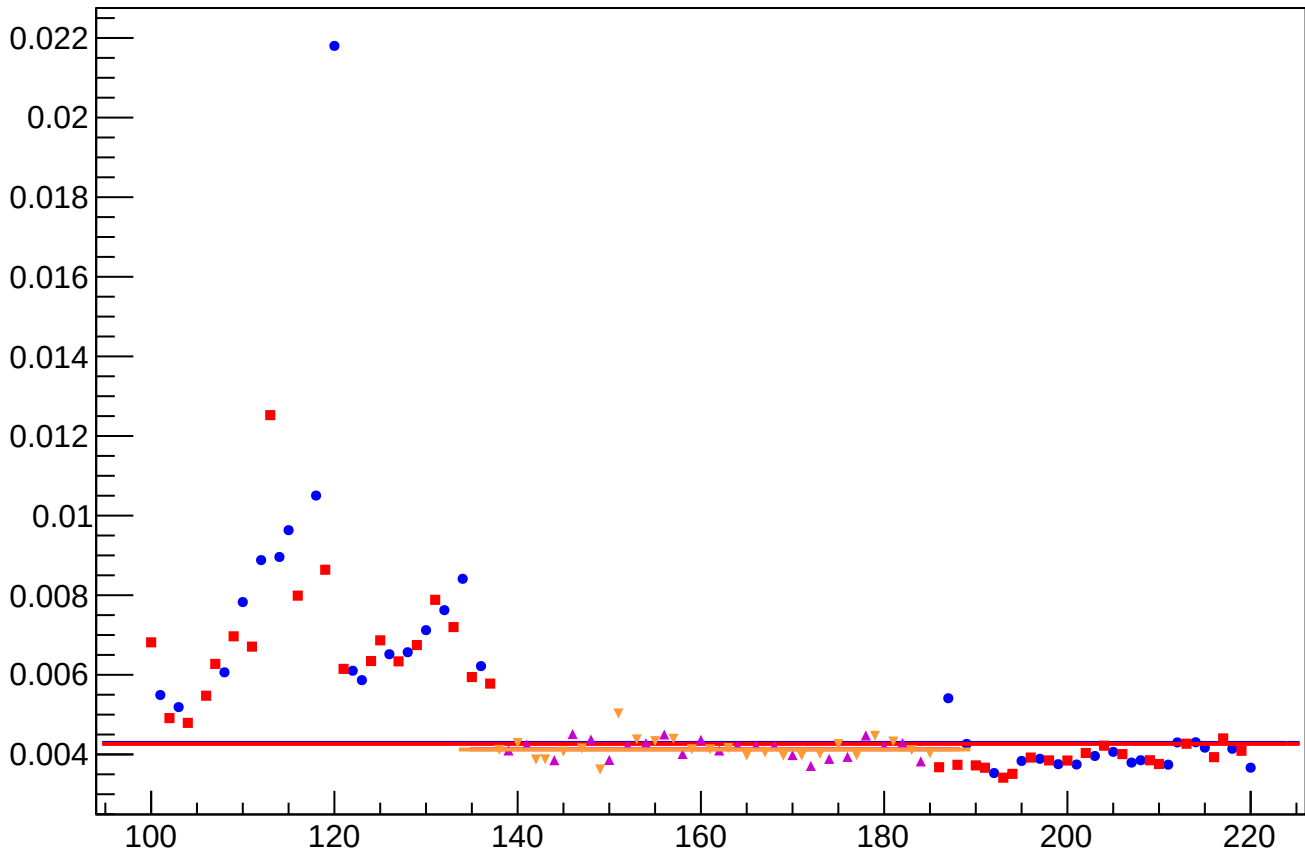
Left In: -0.532 ± 0.000 $\chi^2/\text{NDF}: 30715235426.8/22$

+ sign -0.850 ± 0.000 $\chi^2/\text{NDF}: 275888116908.0/58$

All: -0.865 ± 0.000 $\chi^2/\text{NDF}: 616560875055.0$

- sign -0.879 ± 0.000 $\chi^2/\text{NDF}: 339871937739.9/59$

yield_bpm0i05Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2118738.6/33

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1902350.3/36

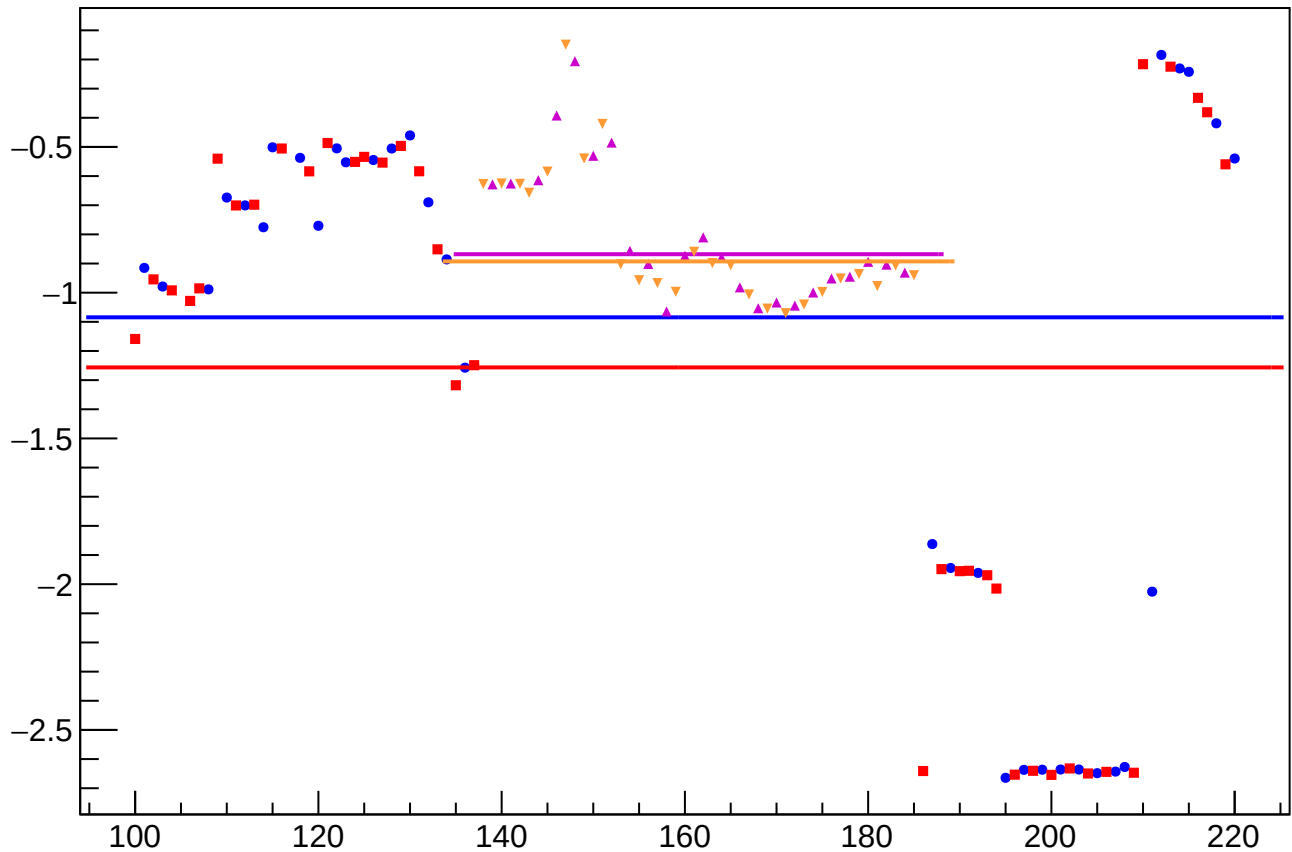
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2256690.9/58

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4268943.1/118

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2012206.2/59

yield_bpm0i07X_mean vs Slug



Right In: -1.085+/-0.000 χ^2 /NDF: 585147593453.1/33

Left Out: -0.893+/-0.000 χ^2 /NDF: 40787012603.8/24

Right Out: -1.256+/-0.000 χ^2 /NDF: 700344763819.6/36

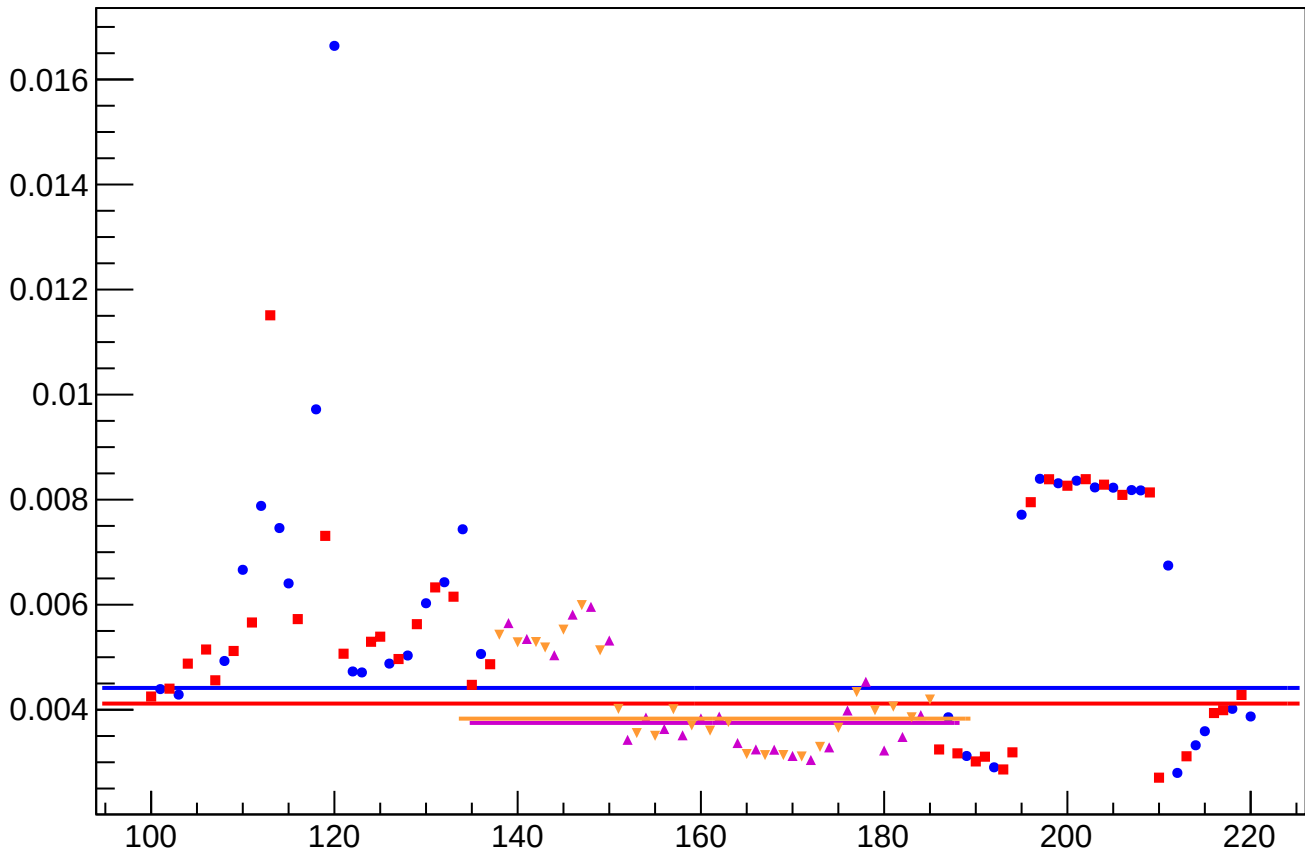
Left In: -0.868+/-0.000 χ^2 /NDF: 43853190177.2/22

+ sign -0.971+/-0.000 χ^2 /NDF: 642863212822.4/58

All: -1.009+/-0.000 χ^2 /NDF: 1469188925431

- sign -1.045+/-0.000 χ^2 /NDF: 820923237226.7/59

yield_bpm0i07X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 5113250.2/33

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 4719416.0/36

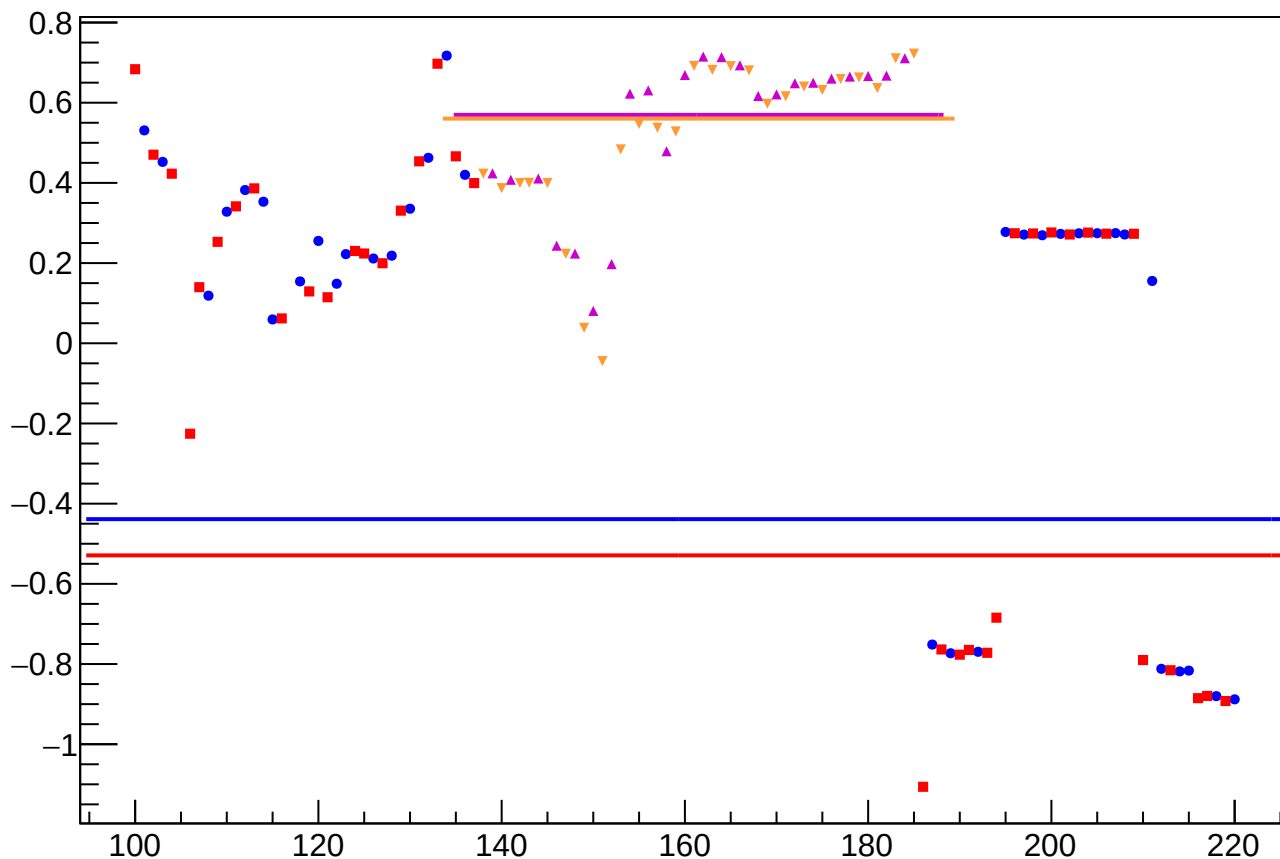
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6607092.4/58

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12799061.0/118

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6146023.5/59

yield_bpm0i07Y_mean vs Slug



Right In: -0.439 ± 0.000 $\chi^2/\text{NDF}: 571746154576.1/33$

Left Out: 0.560 ± 0.000 $\chi^2/\text{NDF}: 45205806387.2/24$

Right Out: -0.529 ± 0.000 $\chi^2/\text{NDF}: 627124633821.1/36$

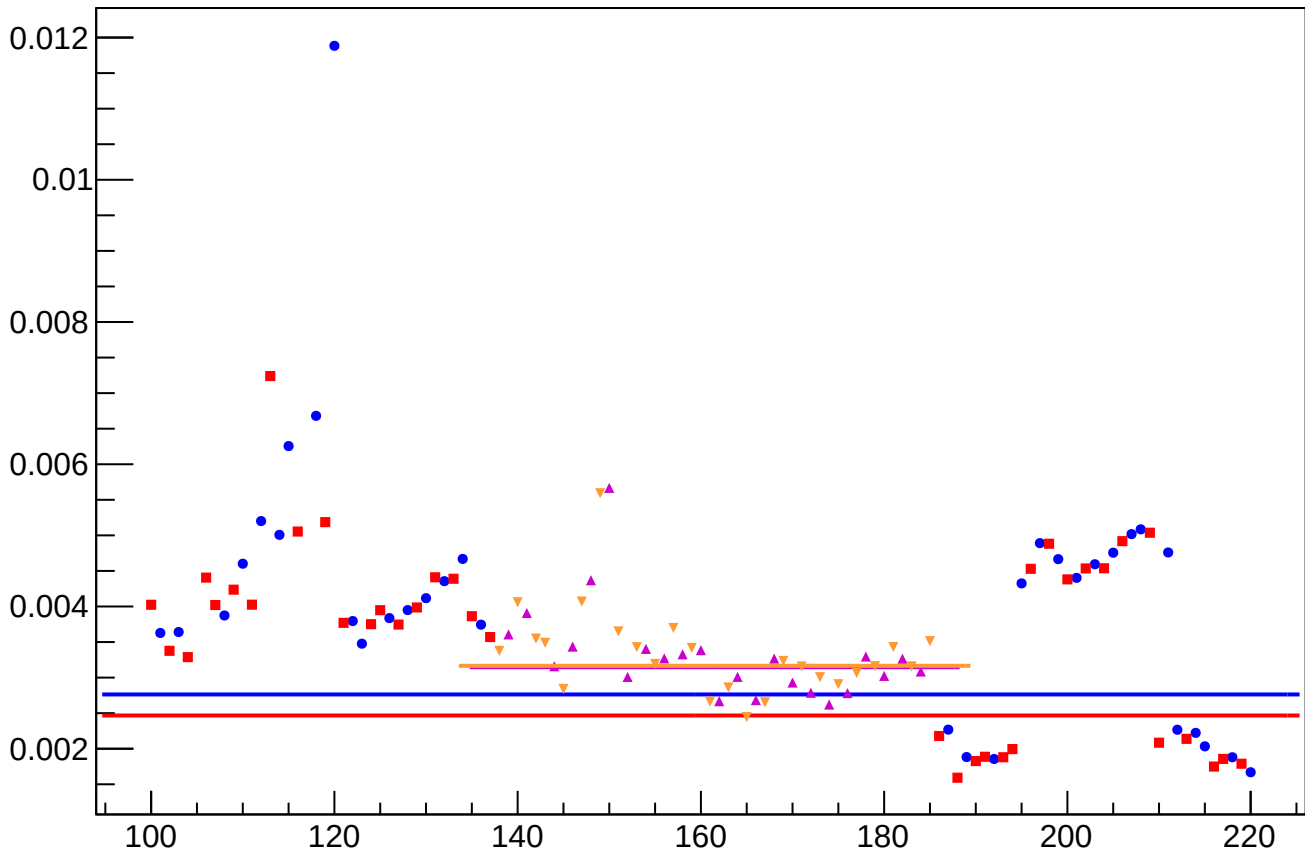
Left In: 0.570 ± 0.000 $\chi^2/\text{NDF}: 42104067973.0/22$

+ sign 0.018 ± 0.000 $\chi^2/\text{NDF}: 1494595097053.0/58$

All: -0.046 ± 0.000 $\chi^2/\text{NDF}: 3342098633384$

- sign -0.103 ± 0.000 $\chi^2/\text{NDF}: 1820186407257.1/59$

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 5791158.9/33

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.002+/-0.000 χ^2/NDF : 5804421.3/36

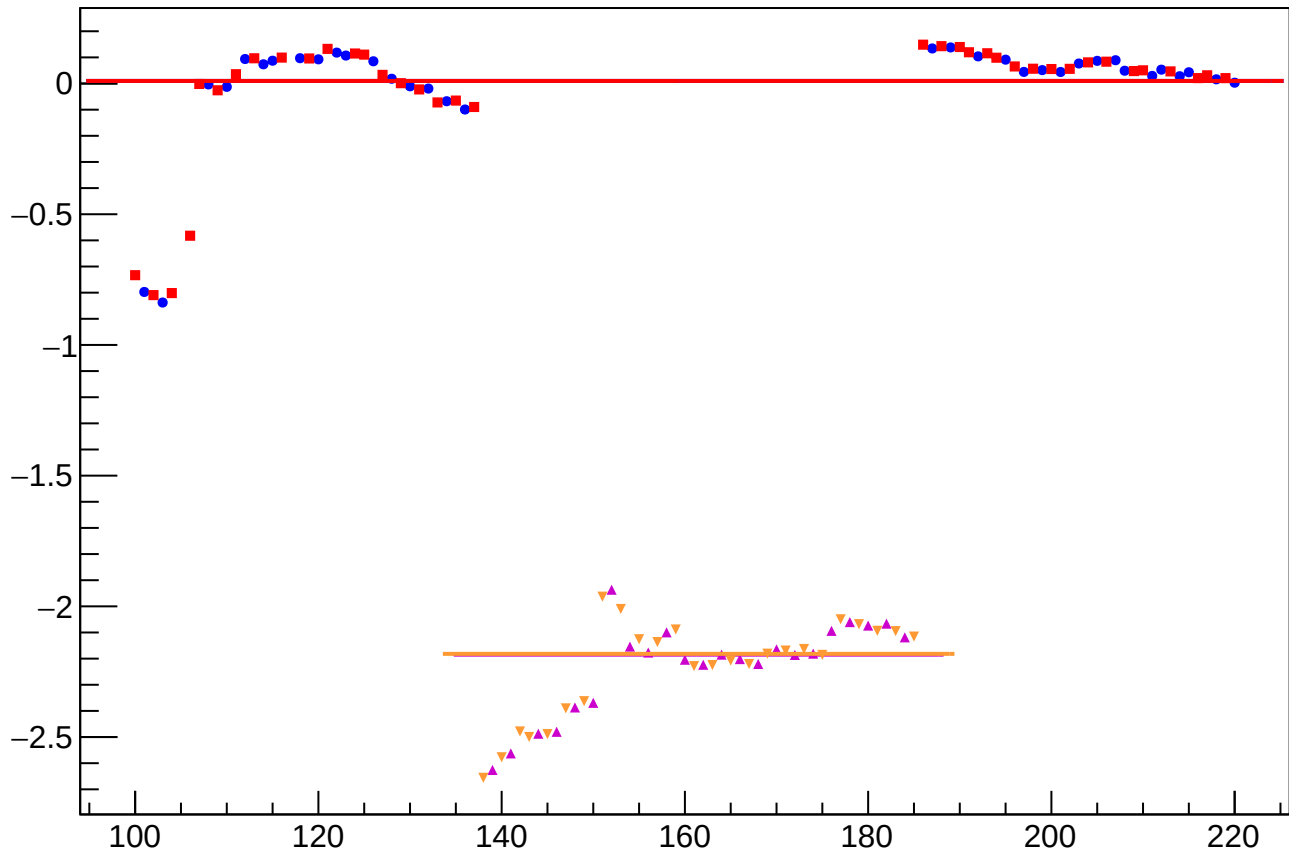
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 6821495.3/58

All: 0.003+/-0.000 χ^2/NDF : 14398814.6/118

- sign 0.003+/-0.000 χ^2/NDF : 7400684.5/59

yield_bpm1i02X_mean vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 5917948780.9/33

Left Out: -2.182 $\pm$ 0.000 χ^2 /NDF: 4008829567.0/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 6987668240.9/36

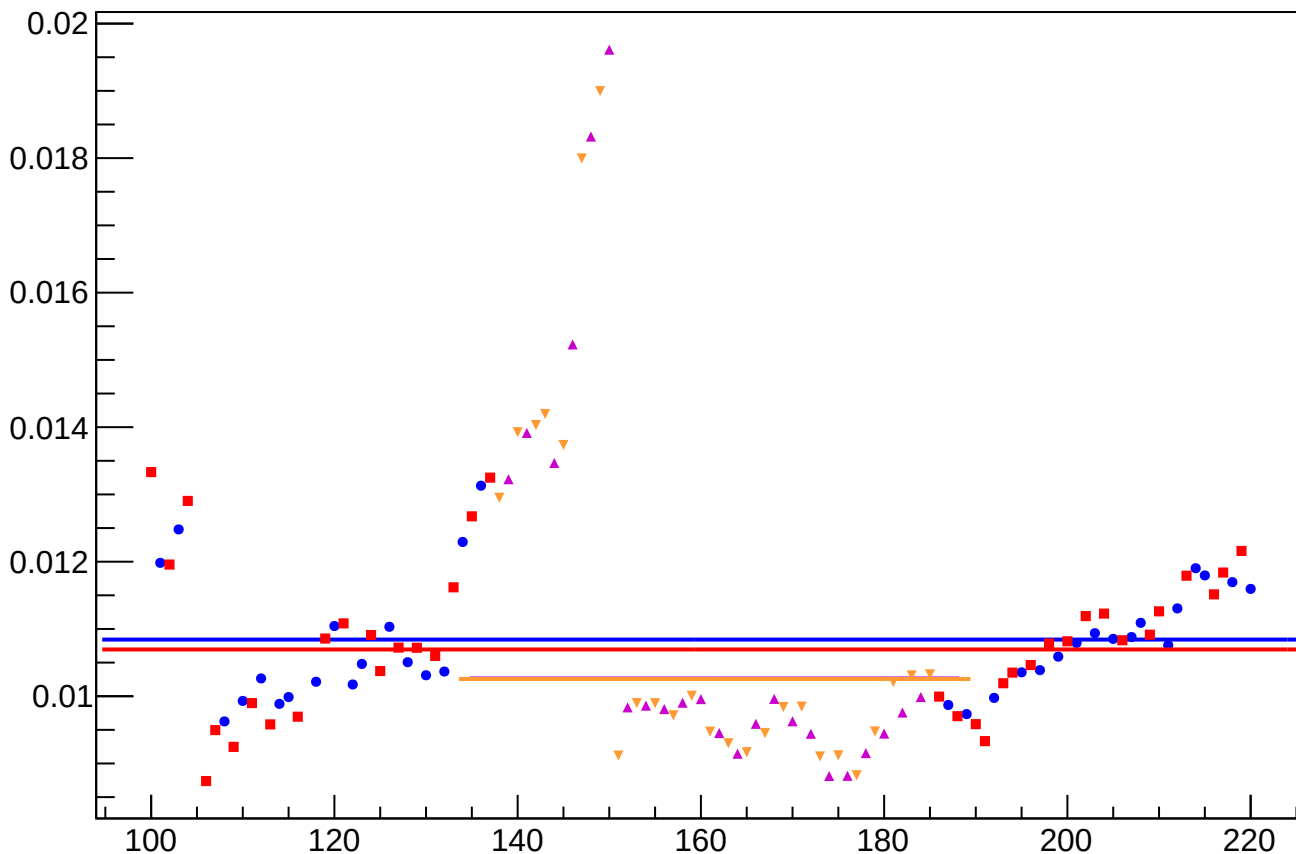
Left In: -2.185 $\pm$ 0.000 χ^2 /NDF: 3372742534.3/22

+ sign -1.113 $\pm$ 0.000 χ^2 /NDF: 403026483209.4/58

All: -1.082 $\pm$ 0.000 χ^2 /NDF: 805815422831.4

- sign -1.051 $\pm$ 0.000 χ^2 /NDF: 402159293215.9/59

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 199835.2/33

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 295901.9/36

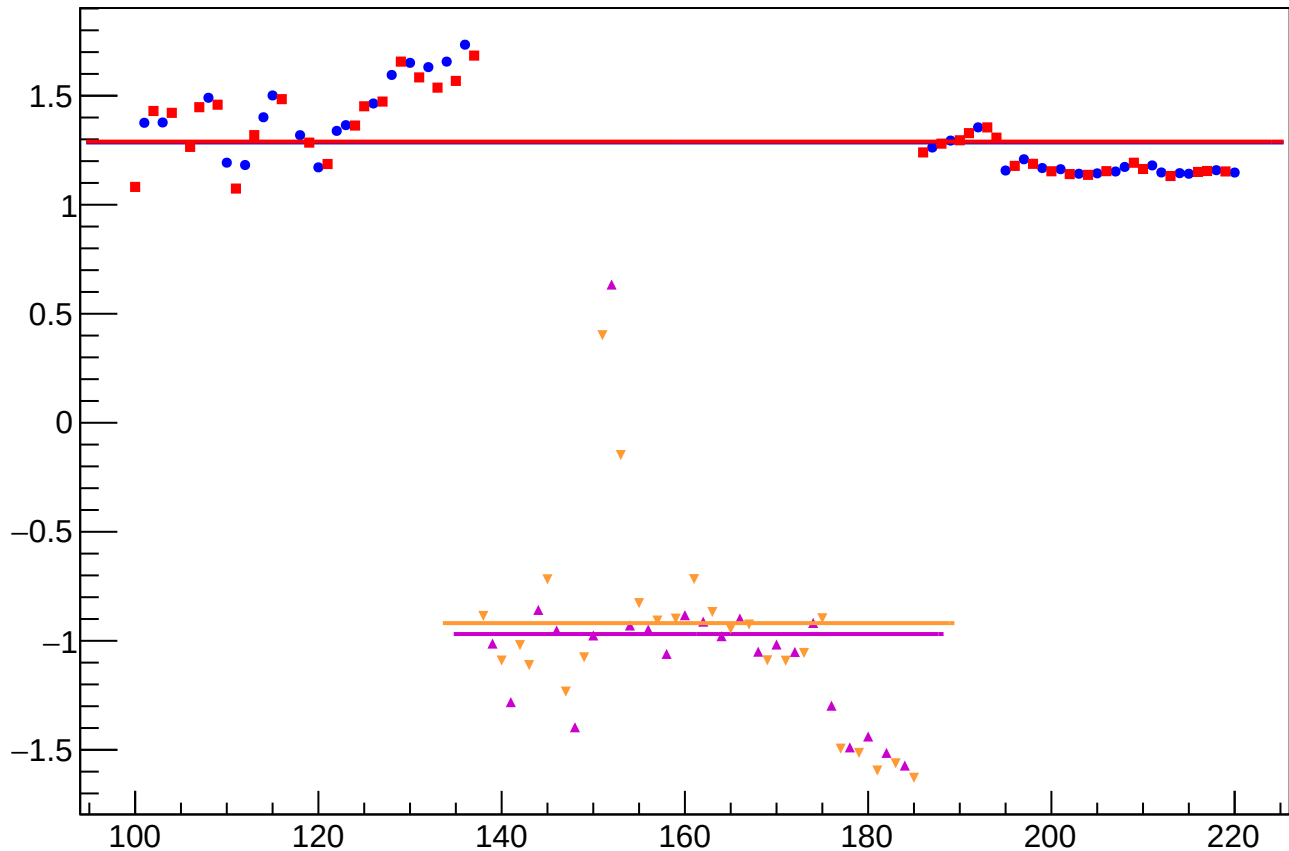
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 1526714.7/58

All: 0.011+/-0.000 χ^2/NDF : 3194051.5/118

- sign 0.010+/-0.000 χ^2/NDF : 1666347.7/59

yield_bpm1i02Y_mean vs Slug



Right In: 1.286 $\pm$ 0.000 χ^2 /NDF: 8958690683.4/33

Left Out: -0.919 $\pm$ 0.000 χ^2 /NDF: 55622252895.8/24

Right Out: 1.290 $\pm$ 0.000 χ^2 /NDF: 7108127082.9/36

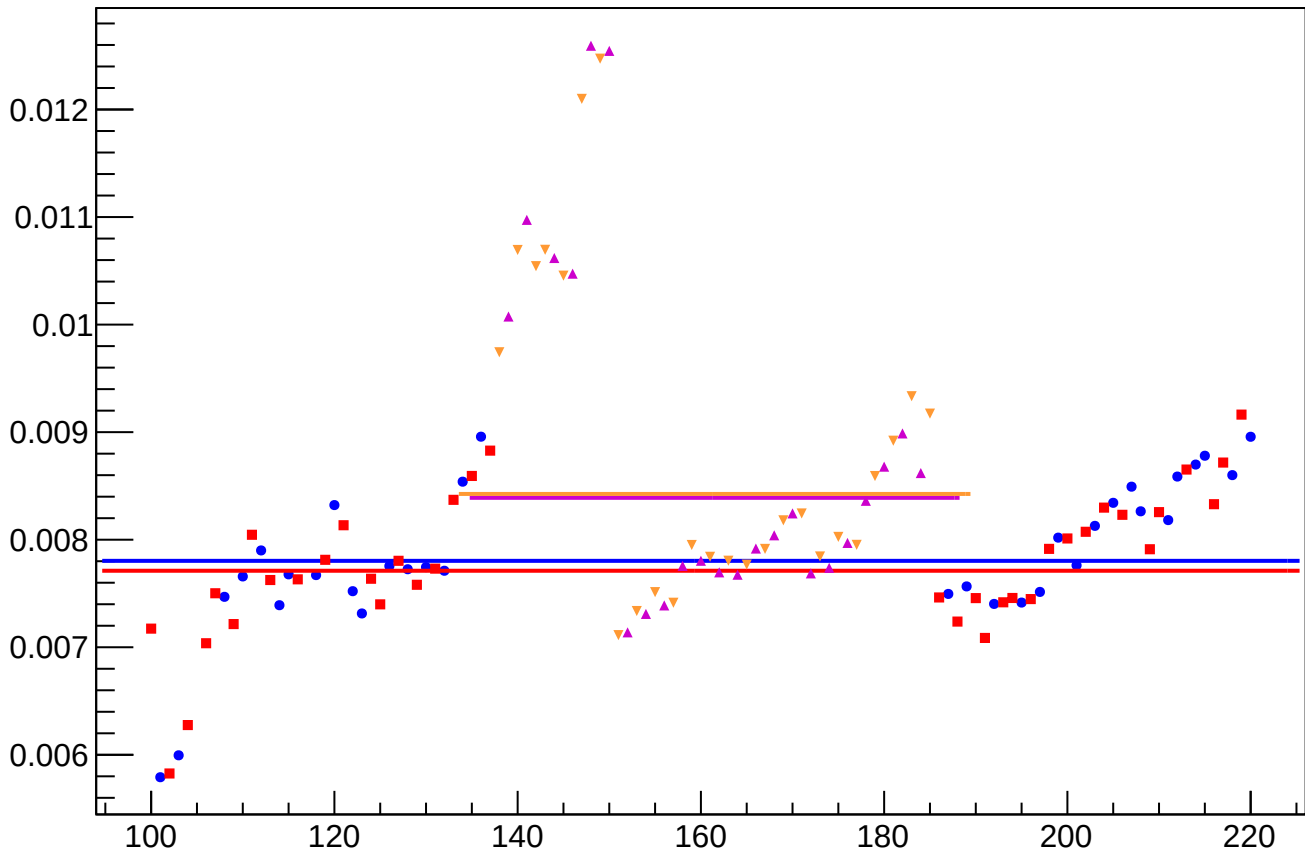
Left In: -0.969 $\pm$ 0.000 χ^2 /NDF: 54895002535.8/22

+ sign 0.292 $\pm$ 0.000 χ^2 /NDF: 737352532109.7/58

All: 0.311 $\pm$ 0.000 χ^2 /NDF: 1502643648070.

- sign 0.331 $\pm$ 0.000 χ^2 /NDF: 764860660469.3/59

yield_bpm1i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 405472.1/33

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:792337.0/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 334916.0/36

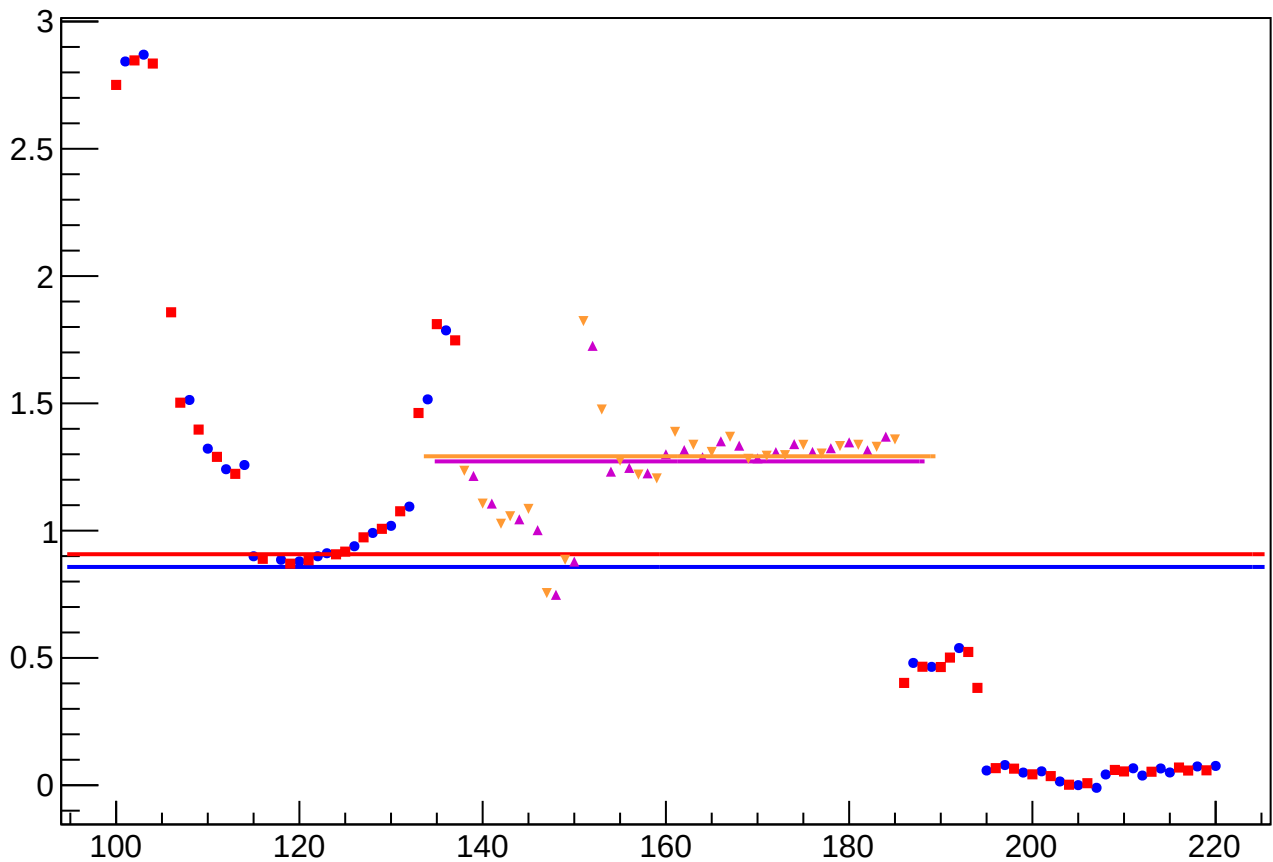
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1304940.2/58

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2610495.3/118

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1301524.9/59

yield_bpm1i04X_mean vs Slug



Right In: 0.857 ± 0.000 χ^2/NDF : 149527762958.4/33

Left Out: 1.292 ± 0.000 χ^2/NDF : 9305298695.5/24

Right Out: 0.907 ± 0.000 χ^2/NDF : 143885391023.8/36

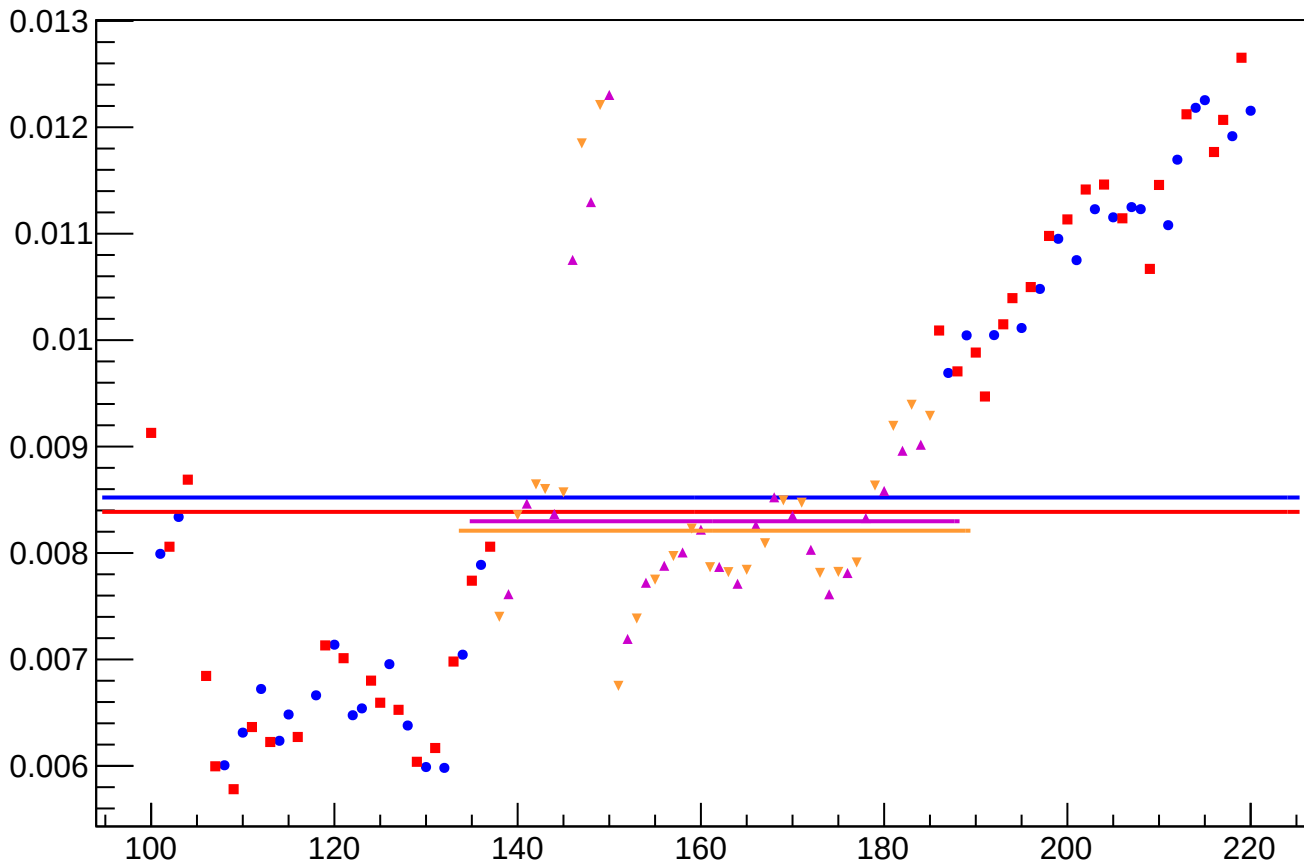
Left In: 1.272 ± 0.000 χ^2/NDF : 7573930981.2/22

+ sign 1.083 ± 0.000 χ^2/NDF : 182726815776.1/58

All: 1.084 ± 0.000 χ^2/NDF : 350851891500.7

- sign 1.084 ± 0.000 χ^2/NDF : 168124642474.4/59

yield_bpm1i04X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2419838.2/33

Left Out: 0.008+/-0.000 χ^2/NDF : 478864.9/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2528779.4/36

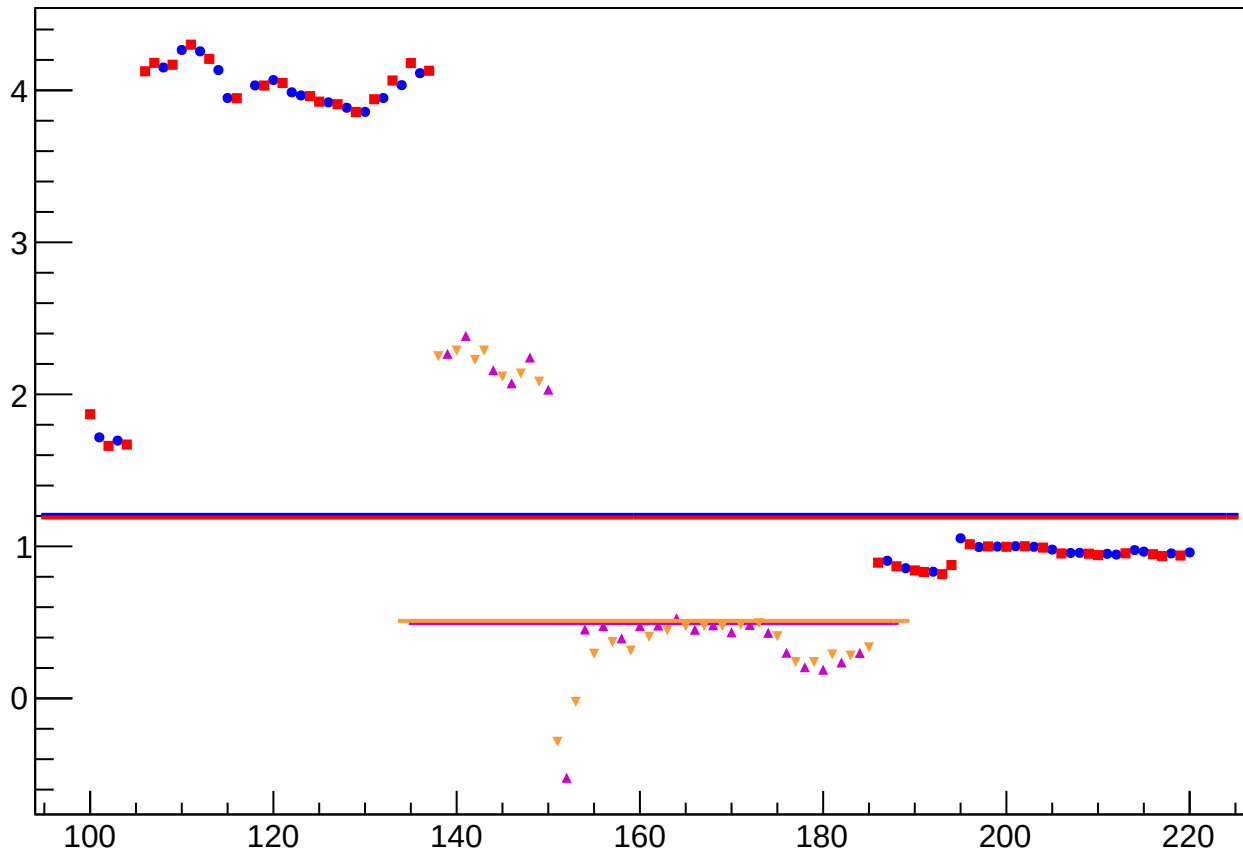
Left In: 0.008+/-0.000 χ^2/NDF : 462022.1/22

+ sign 0.008+/-0.000 χ^2/NDF : 2923312.9/58

All: 0.008+/-0.000 χ^2/NDF : 5916191.4/118

- sign 0.008+/-0.000 χ^2/NDF : 2992750.2/59

yield_bpm1i04Y_mean vs Slug



Right In: 1.207 $\pm$ 0.000 χ^2 /NDF: 1550470933158.0/33

Left Out: 0.510 $\pm$ 0.000 χ^2 /NDF: 274818814912.4/24

Right Out: 1.190 $\pm$ 0.000 χ^2 /NDF: 1740677528416.0/36

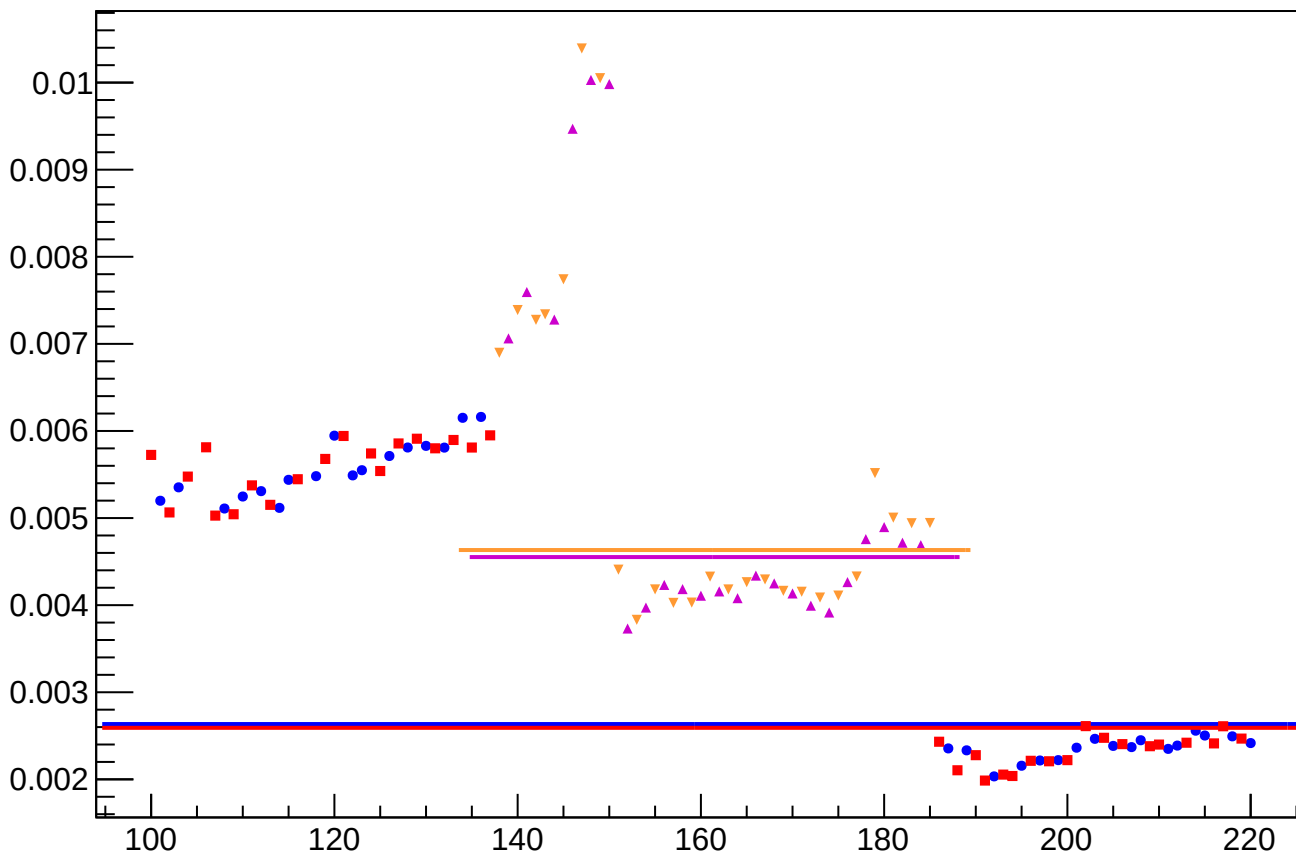
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.031 $\pm$ 0.000 χ^2 /NDF: 2107640287571.5/58

All: 1.028 $\pm$ 0.000 χ^2 /NDF: 4395966062618.0/116

- sign 1.024 $\pm$ 0.000 χ^2 /NDF: 2288251227163.5/59

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4209531.5/33

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4485704.3/36

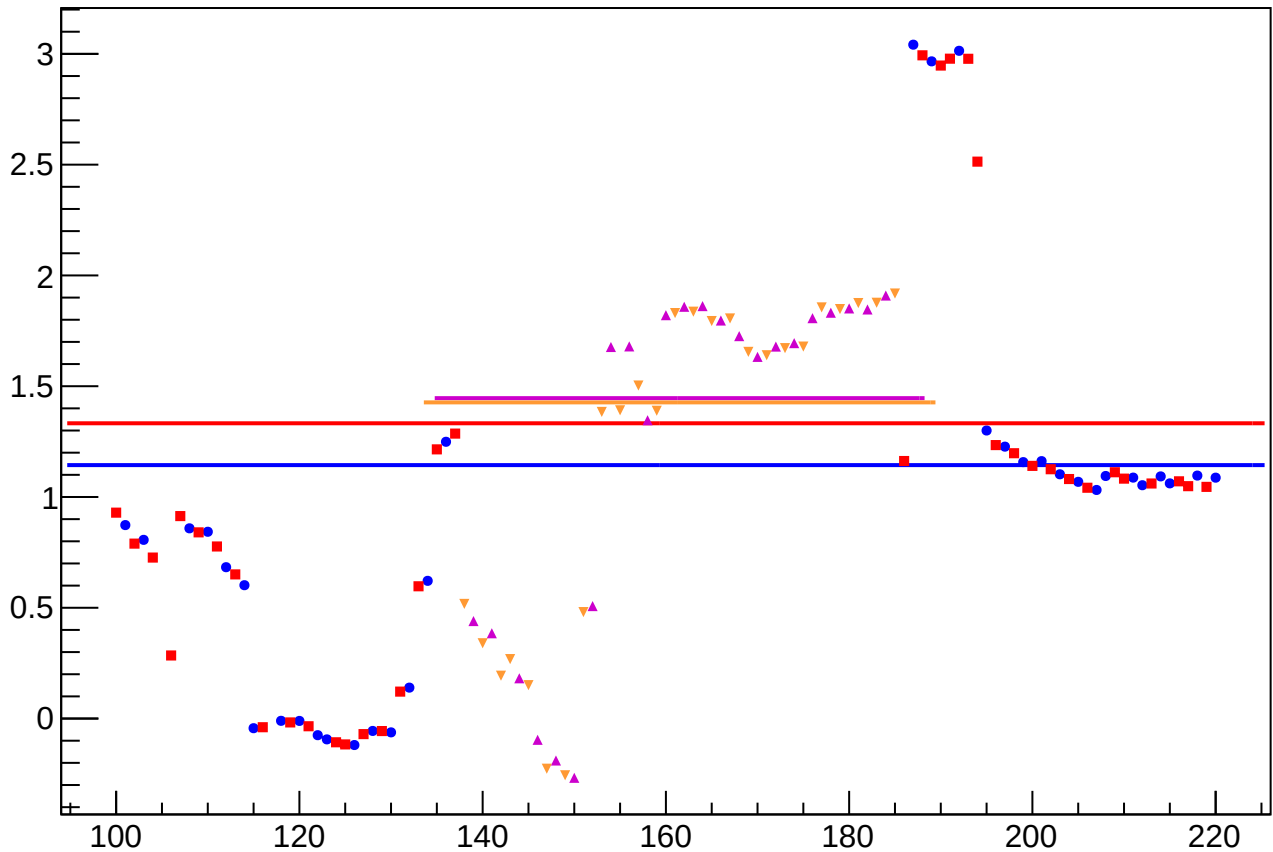
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 10959263.6/58

All: 0.003+/-0.000 χ^2/NDF : 22143286.2/118

- sign 0.003+/-0.000 χ^2/NDF : 11163393.0/59

yield_bpm1i06X_mean vs Slug



Right In: 1.144 $\pm$ 0.000 χ^2 /NDF: 72925024707.8/33

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.333 $\pm$ 0.000 χ^2 /NDF: 102152121825.7/36

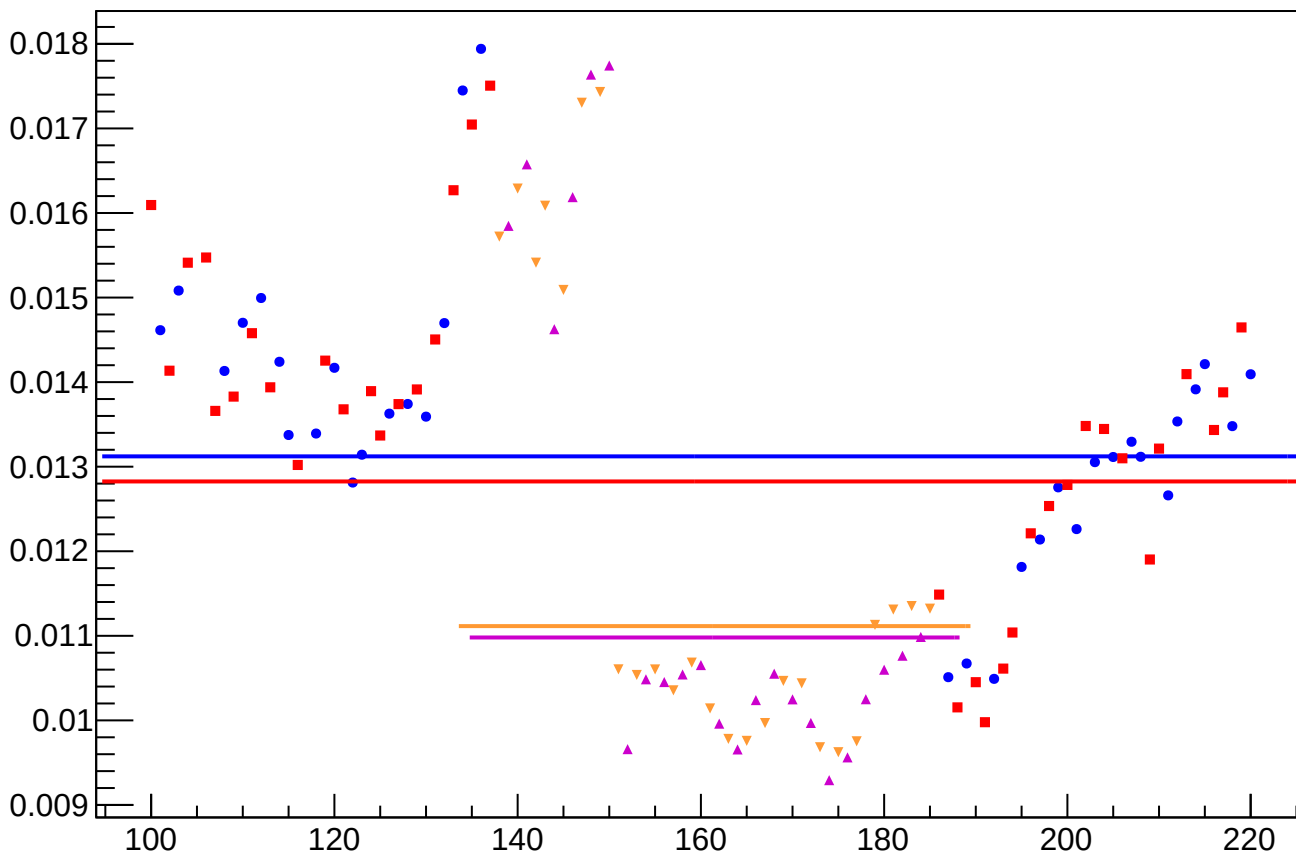
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.305 $\pm$ 0.000 χ^2 /NDF: 127828679885.6/58

All: 1.350 $\pm$ 0.000 χ^2 /NDF: 285544402491.2

- sign 1.394 $\pm$ 0.000 χ^2 /NDF: 156709857295.6/59

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 463758.4/33

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 622861.6/36

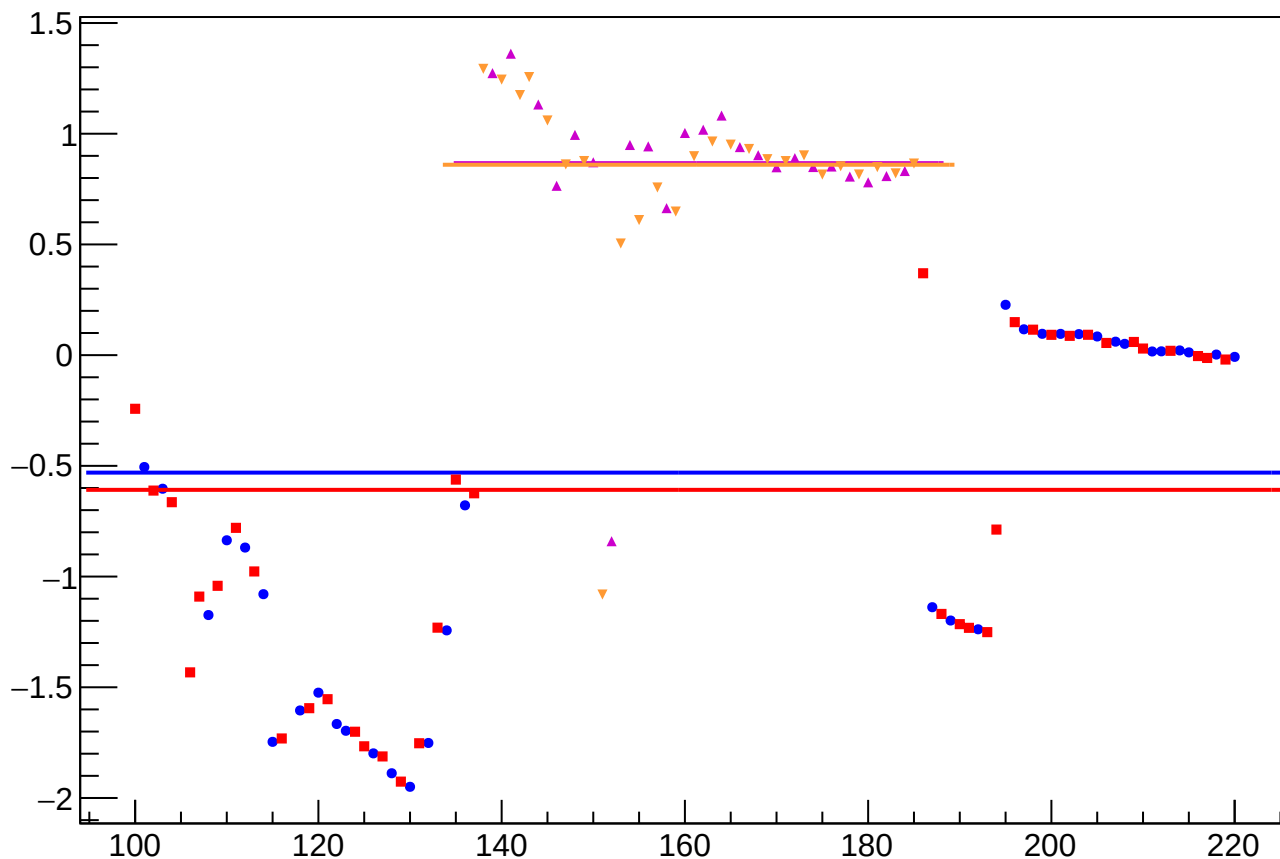
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 2185287.1/58

All: 0.012+/-0.000 χ^2/NDF : 4505510.3/118

- sign 0.012+/-0.000 χ^2/NDF : 2313862.8/59

yield_bpm1i06Y_mean vs Slug



Right In: -0.531 ± 0.000 χ^2/NDF : 207785768135.0/33

Left Out: 0.860 ± 0.000 χ^2/NDF : 126335891175.4/24

Right Out: -0.608 ± 0.000 χ^2/NDF : 195383007382.3/36

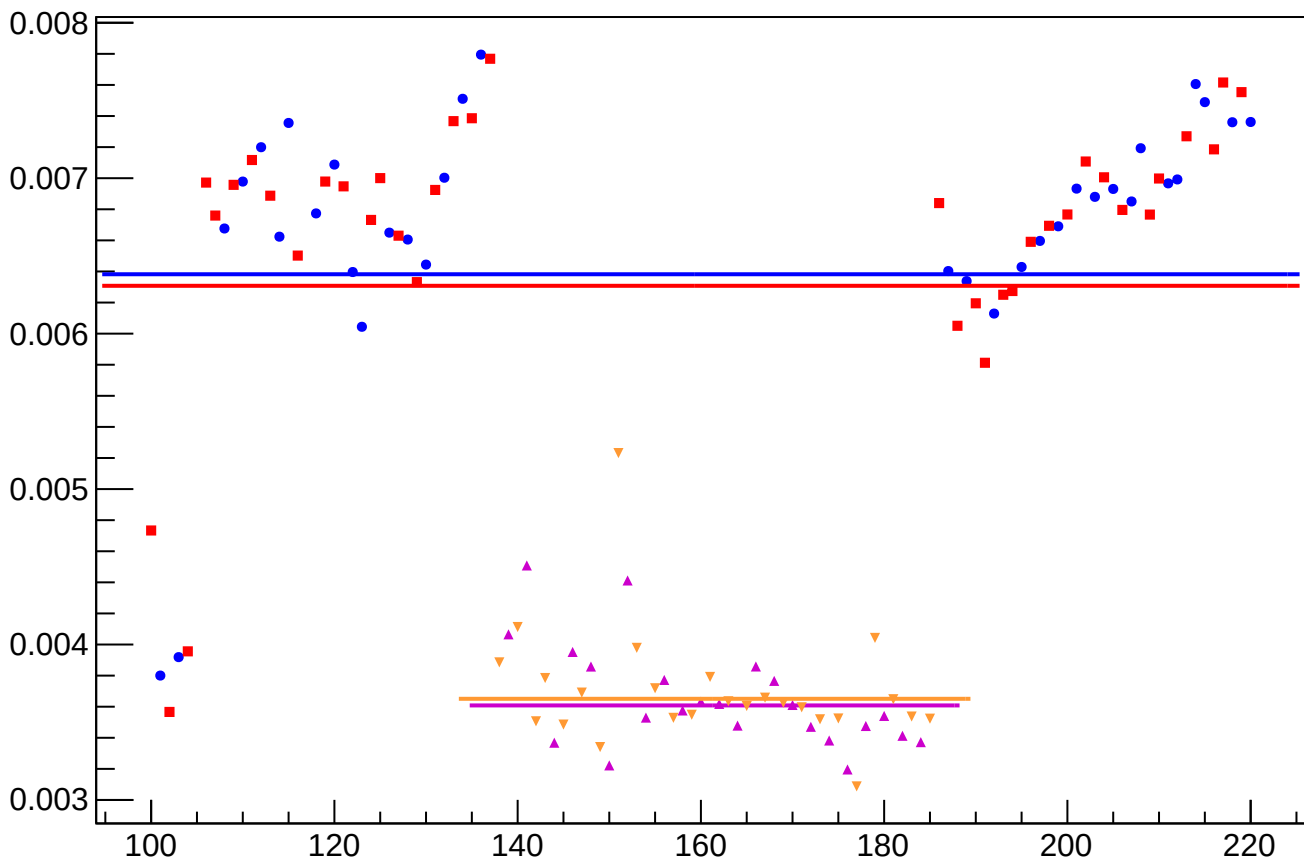
Left In: 0.867 ± 0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.504 ± 0.000 χ^2/NDF : 954800551762.4/58

All: 0.484 ± 0.000 χ^2/NDF : 2014962683245.

- sign 0.465 ± 0.000 χ^2/NDF : 1058900960271.7/59

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1198350.9/33

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1271155.4/36

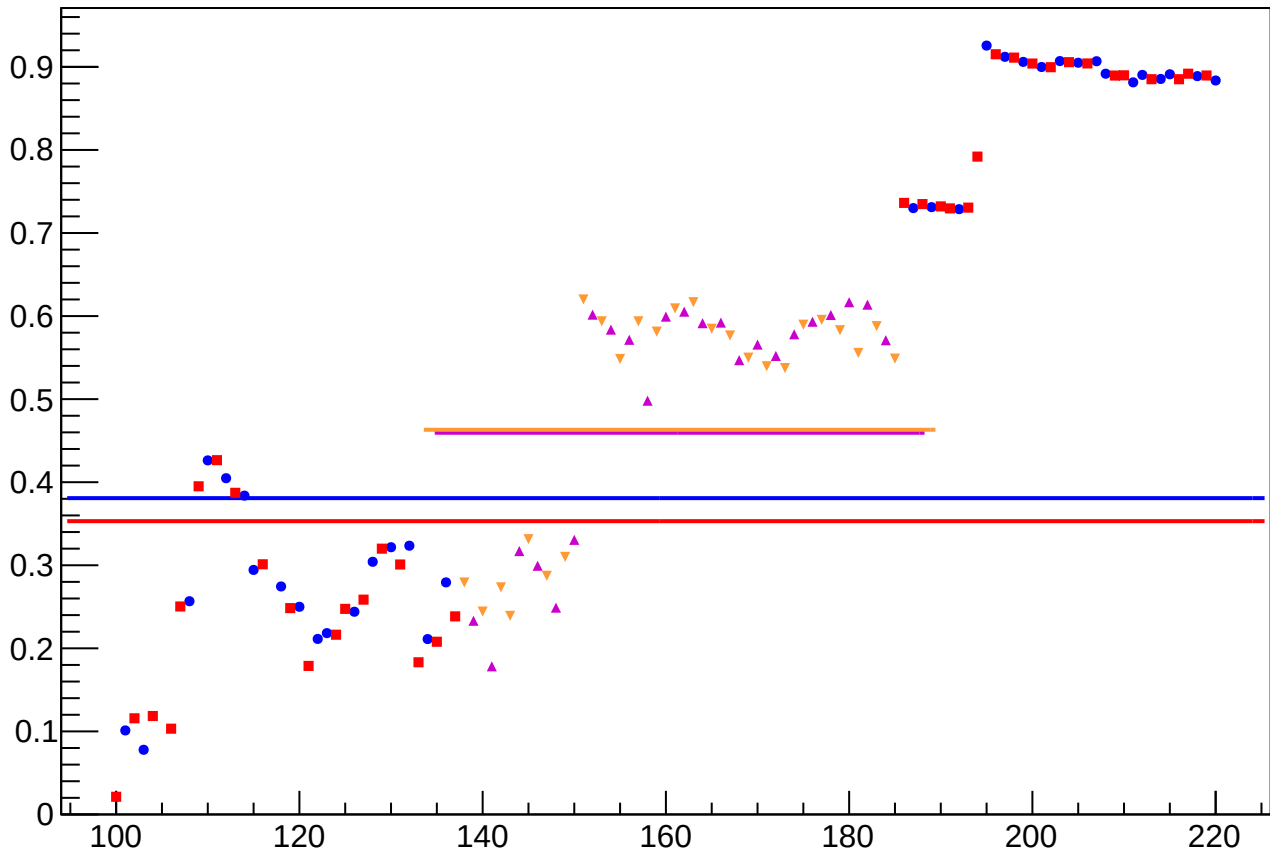
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6225510.4/58

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12521287.2/118

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6295711.5/59

yield_bpm2i01X_mean vs Slug



Right In: 0.381+/-0.000 χ^2/NDF : 212302531971.0/33

Left Out: 0.463+/-0.000 χ^2/NDF : 102506270538.7/24

Right Out: 0.353+/-0.000 χ^2/NDF : 221247279862.7/36

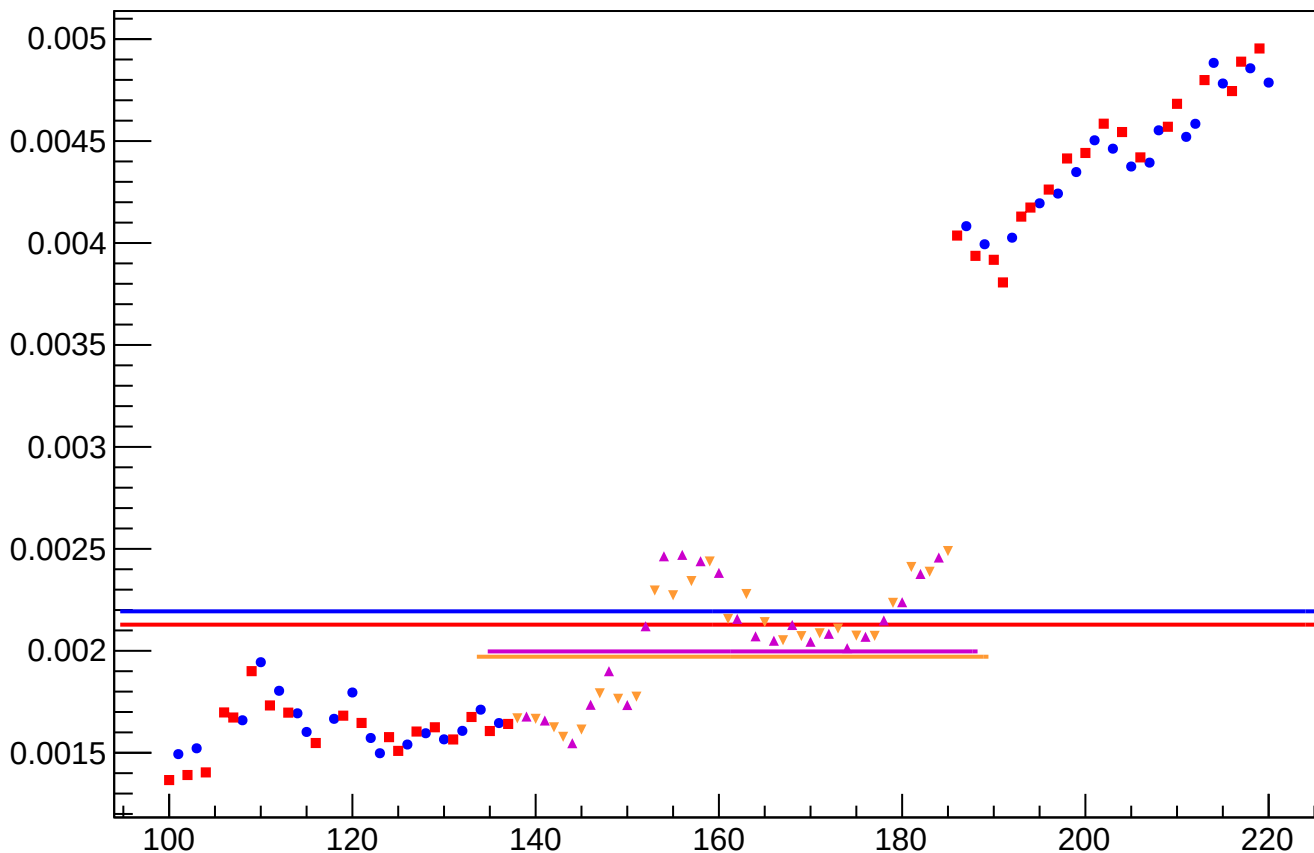
Left In: 0.460+/-0.000 χ^2/NDF : 104559088628.4/22

+ sign 0.430+/-0.000 χ^2/NDF : 327246361591.1/58

All: 0.421+/-0.000 χ^2/NDF : 675402483528.7

- sign 0.412+/-0.000 χ^2/NDF : 346933939067.2/59

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 7936703.5/33

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 8287830.4/36

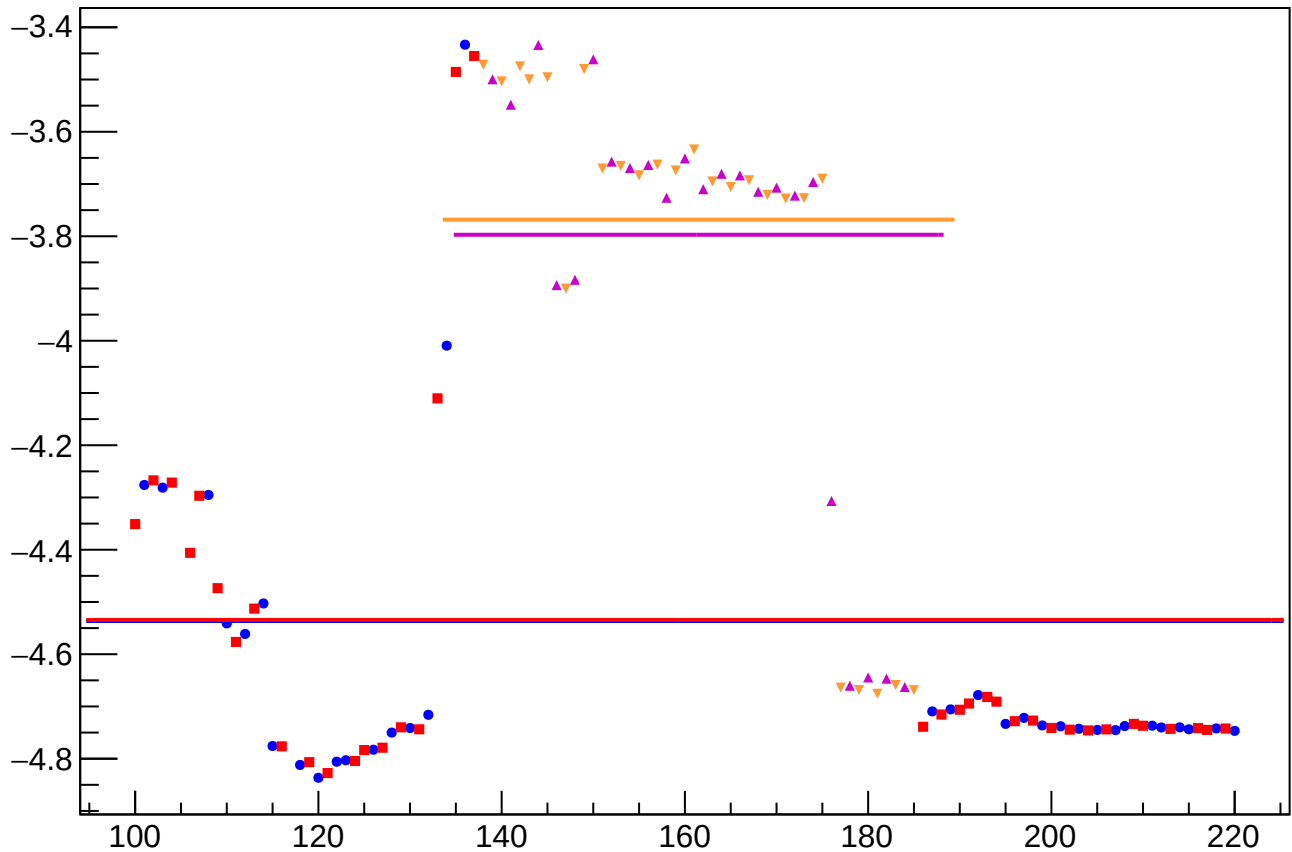
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 8848757.6/58

All: 0.002+/-0.000 χ^2/NDF : 17867413.0/118

- sign 0.002+/-0.000 χ^2/NDF : 9018492.3/59

yield_bpm2i01Y_mean vs Slug



Right In: -4.536 ± 0.000 $\chi^2/\text{NDF}: 451816809768.0/33$

Left Out: -3.768 ± 0.000 $\chi^2/\text{NDF}: 516780173940.8/24$

Right Out: -4.534 ± 0.000 $\chi^2/\text{NDF}: 386338333367.4/36$

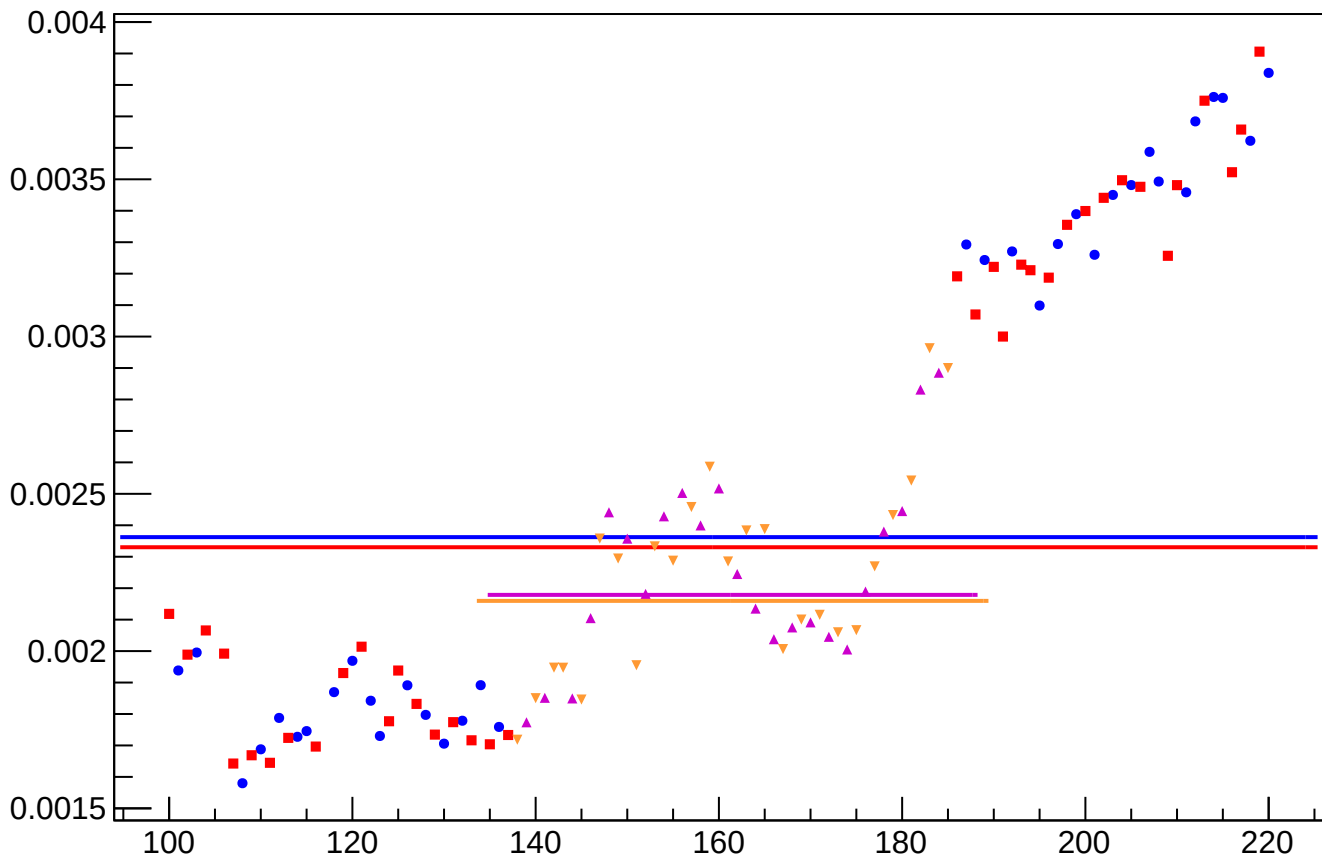
Left In: -3.797 ± 0.000 $\chi^2/\text{NDF}: 444886272608.9/22$

+ sign -4.107 ± 0.000 $\chi^2/\text{NDF}: 1961673866080.4/5$

All: -4.127 ± 0.000 $\chi^2/\text{NDF}: 3713644206922$

- sign -4.147 ± 0.000 $\chi^2/\text{NDF}: 1746631420823.0/5$

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3807058.5/33

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3752885.7/36

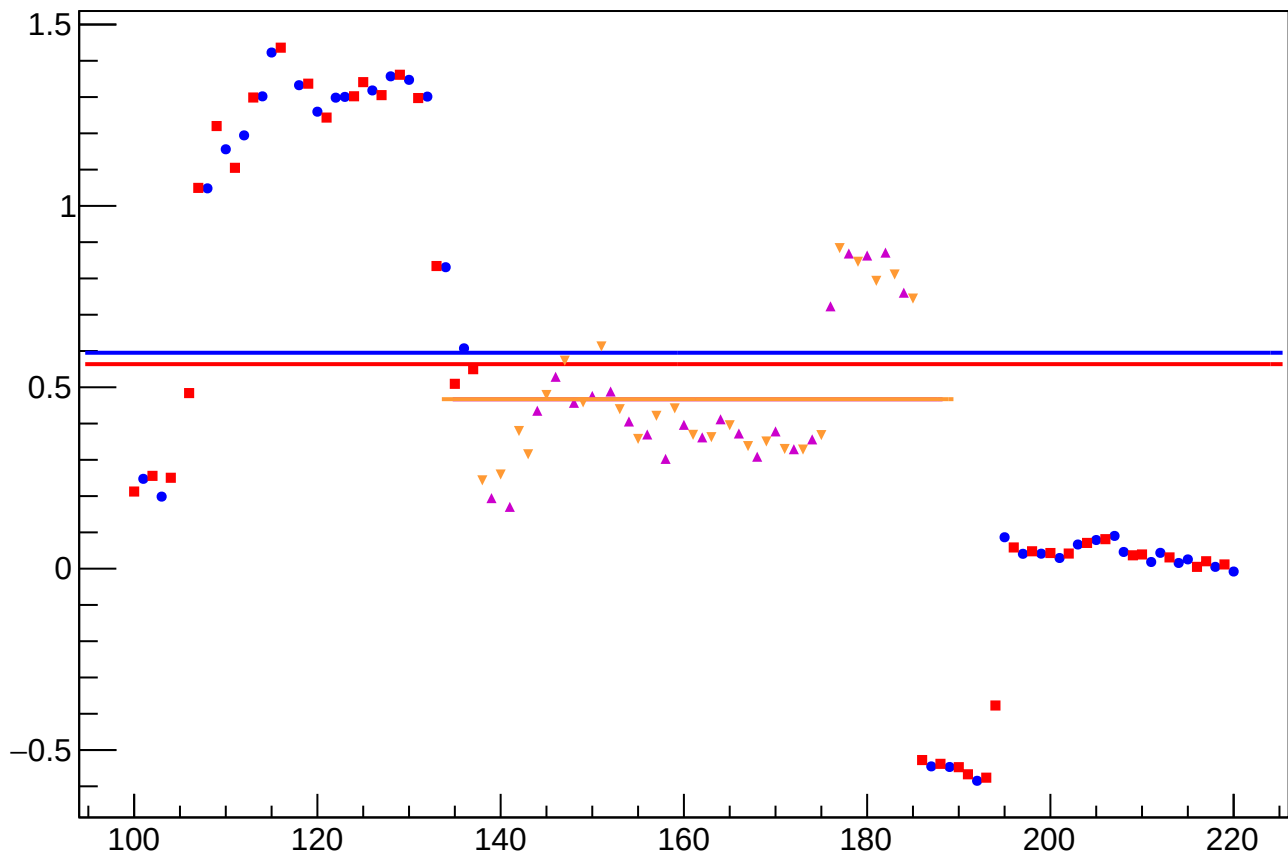
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 4493124.5/58

All: 0.002+/-0.000 χ^2/NDF : 8786569.5/118

- sign 0.002+/-0.000 χ^2/NDF : 4293430.0/59

yield_bpm2i02X_mean vs Slug



Right In: 0.595 $\pm$ 0.000 χ^2 /NDF: 88764130109.2/33

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

Right Out: 0.564 $\pm$ 0.000 χ^2 /NDF: 105259930034.6/36

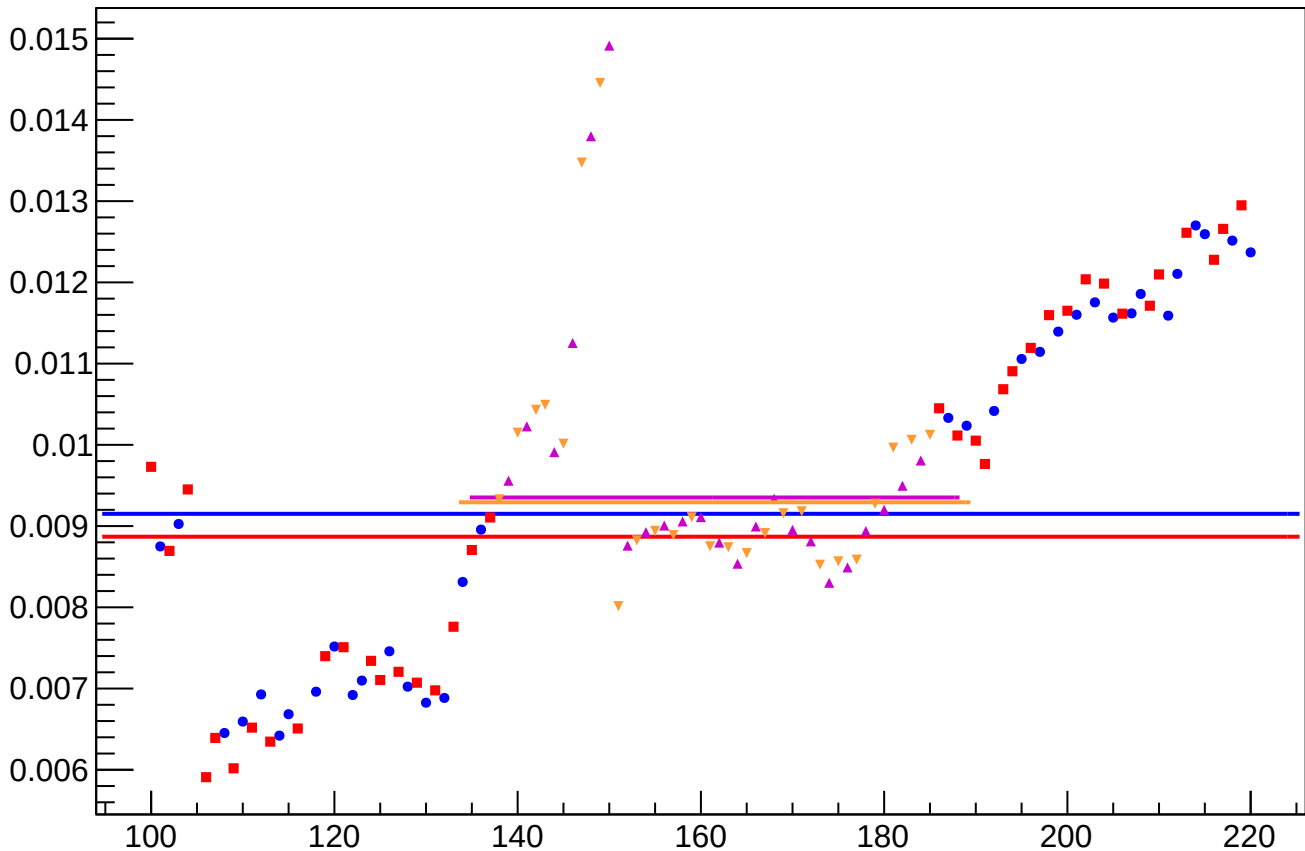
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

+ sign 0.532 $\pm$ 0.000 χ^2 /NDF: 97850257488.4/58

All: 0.526 $\pm$ 0.000 χ^2 /NDF: 212170718472.5

- sign 0.519 $\pm$ 0.000 χ^2 /NDF: 114288385109.2/59

yield_bpm2i02X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2122064.7/33

Left Out: 0.009+/-0.000 χ^2/NDF :528279.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2491405.4/36

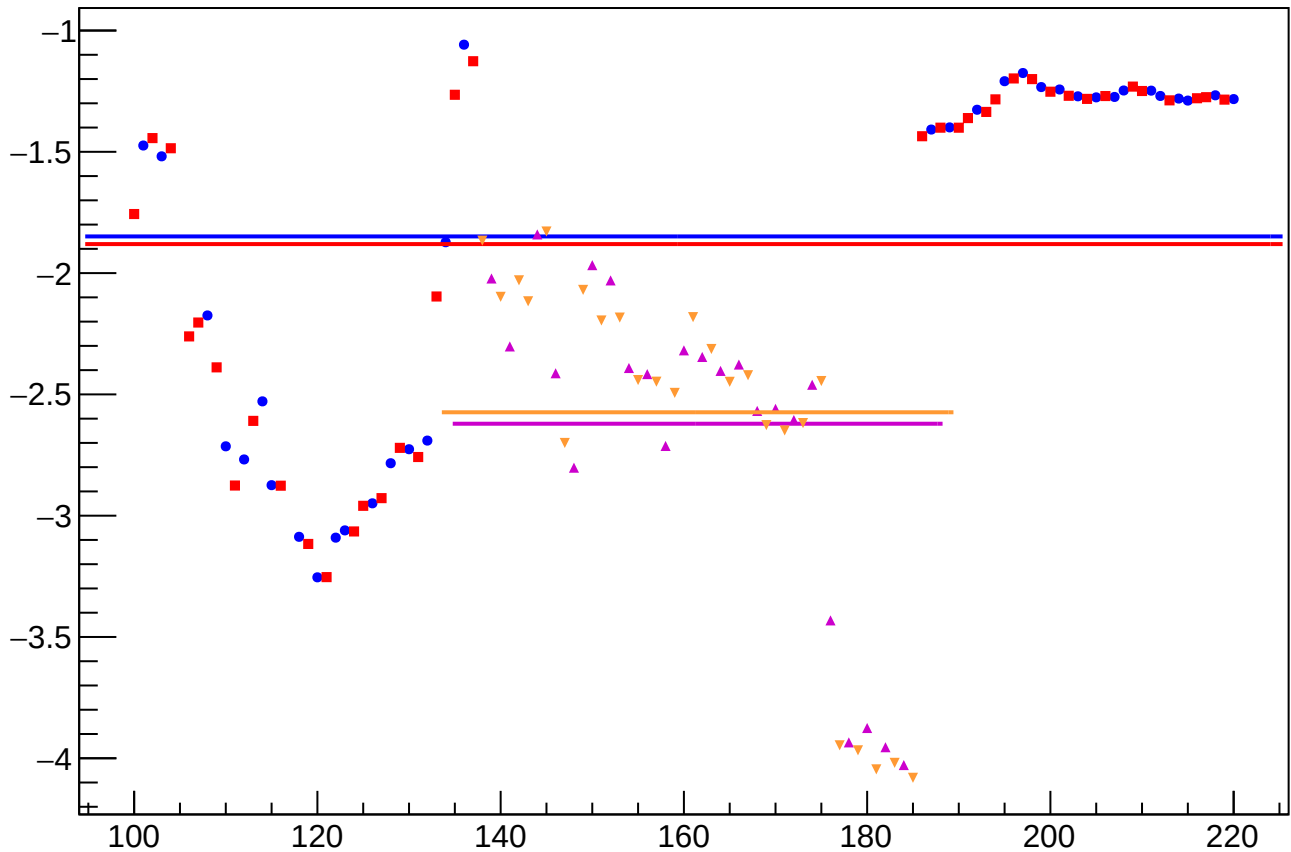
Left In: 0.009+/-0.000 χ^2/NDF :557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 2654584.5/58

All: 0.009+/-0.000 χ^2/NDF : 5760025.1/118

- sign 0.009+/-0.000 χ^2/NDF : 3098119.8/59

yield_bpm2i02Y_mean vs Slug



Right In: -1.849 ± 0.000 χ^2/NDF : 140832859826.2/33

Left Out: -2.574 ± 0.000 χ^2/NDF : 99176112704.9/24

Right Out: -1.880 ± 0.000 χ^2/NDF : 137571010018.7/36

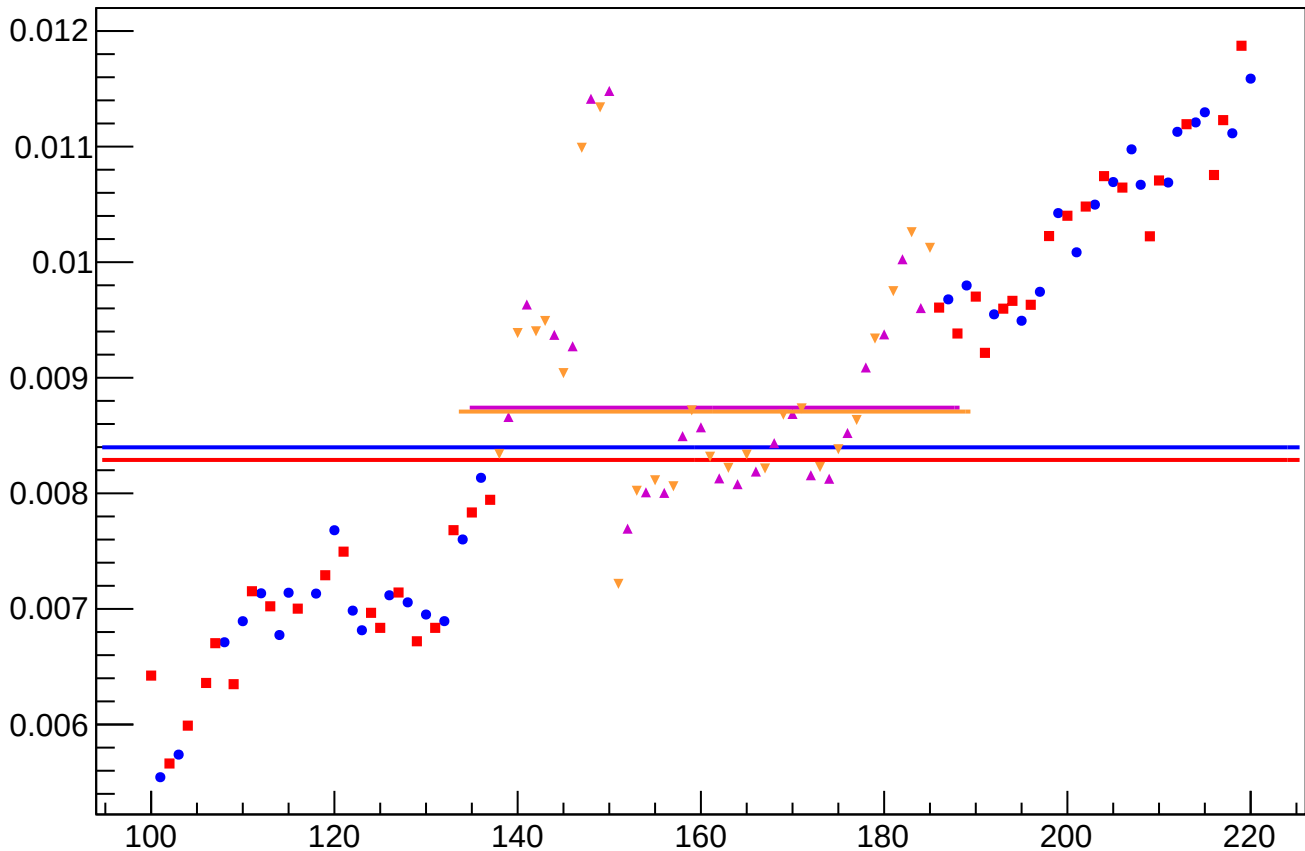
Left In: -2.621 ± 0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.200 ± 0.000 χ^2/NDF : 304899851917.4/58

All: -2.208 ± 0.000 χ^2/NDF : 590642267537.1

- sign -2.216 ± 0.000 χ^2/NDF : 285680189969.2/59

yield_bpm2i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1957518.8/33

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 369376.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1862571.2/36

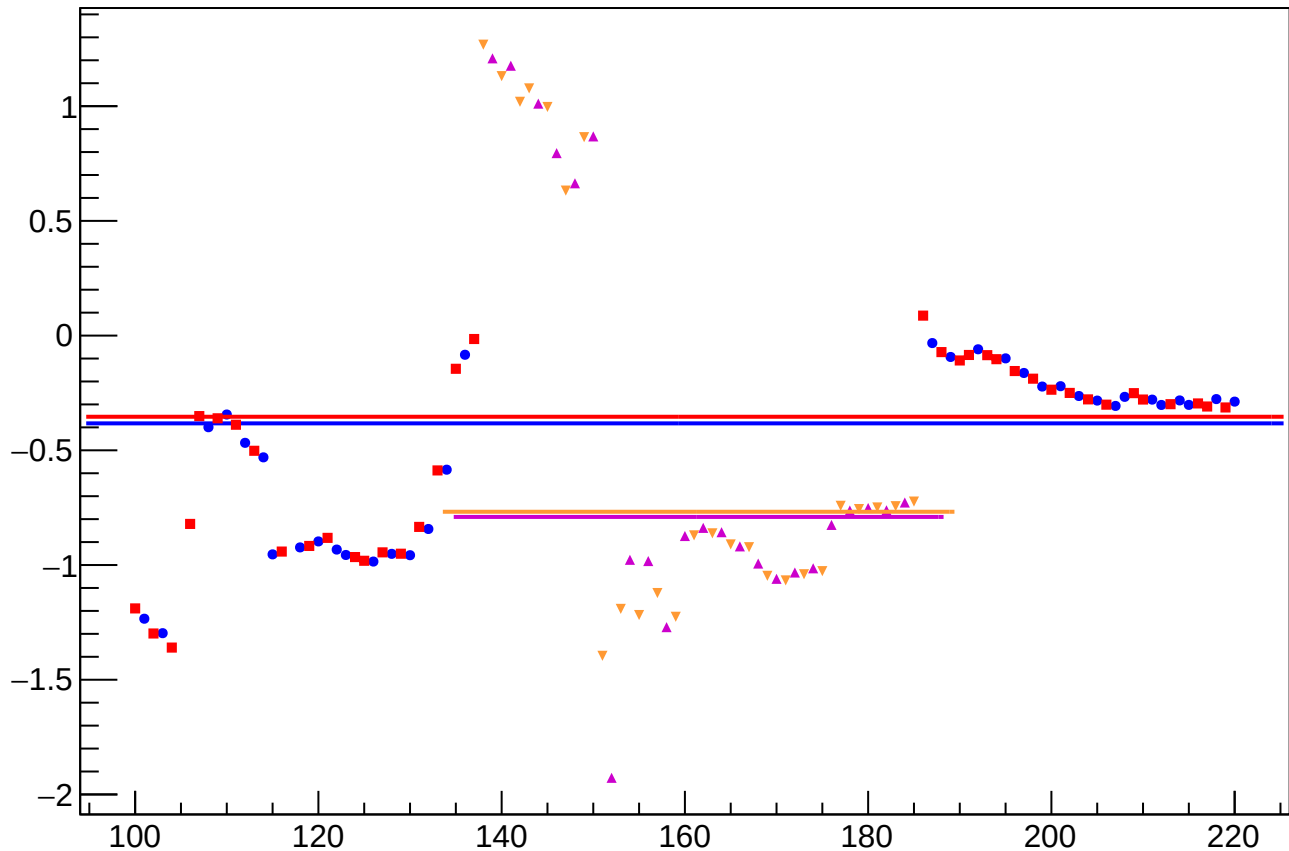
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 353750.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2350508.4/58

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4618440.9/118

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2266481.0/59

yield_bpm0i01X_mean vs Slug



Right In: -0.383 ± 0.000 χ^2/NDF : 23252032821.6/33

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.354 ± 0.000 χ^2/NDF : 25379506405.3/36

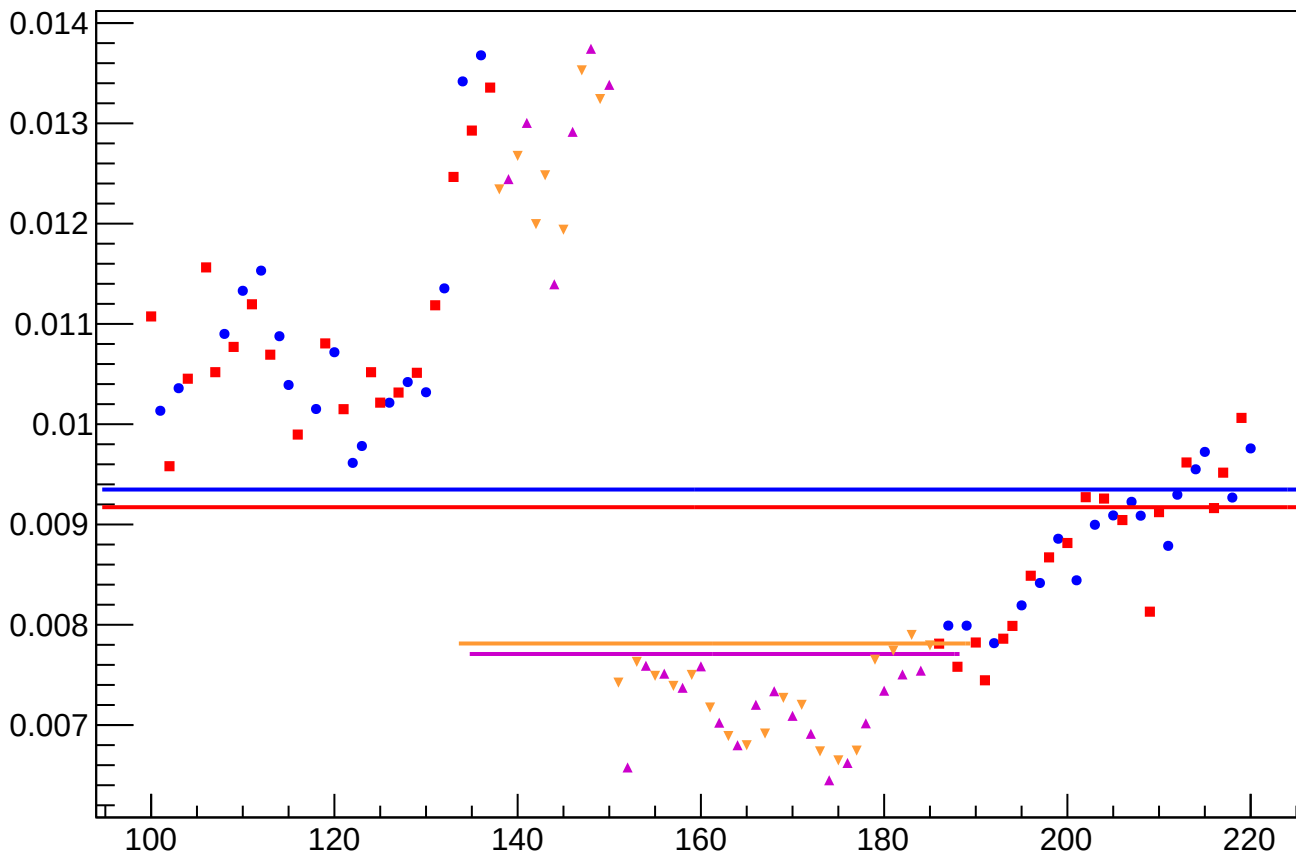
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.603 ± 0.000 χ^2/NDF : 161920827751.4/58

All: -0.598 ± 0.000 χ^2/NDF : 334188422522.6

- sign -0.593 ± 0.000 χ^2/NDF : 172244687819.4/59

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 553520.1/33

Left Out: 0.008+/-0.000 χ^2/NDF : 1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 669731.0/36

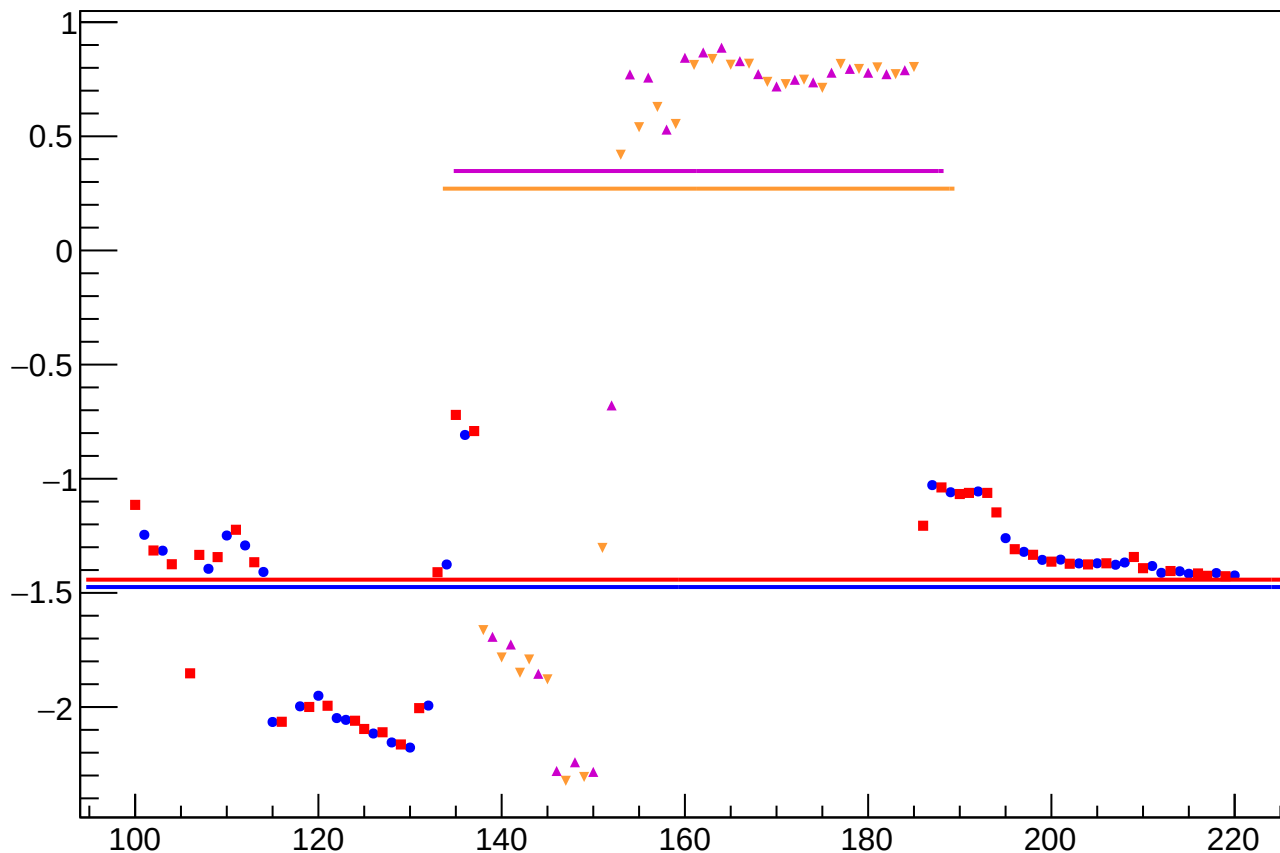
Left In: 0.008+/-0.000 χ^2/NDF : 1746653.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2827954.6/58

All: 0.008+/-0.000 χ^2/NDF : 5775631.0/118

- sign 0.008+/-0.000 χ^2/NDF : 2942624.9/59

yield_bpm0i01Y_mean vs Slug



Right In: -1.474 ± 0.000 χ^2/NDF : 175382363599.4/33

Left Out: 0.271 ± 0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.442 ± 0.000 χ^2/NDF : 164581722207.8/36

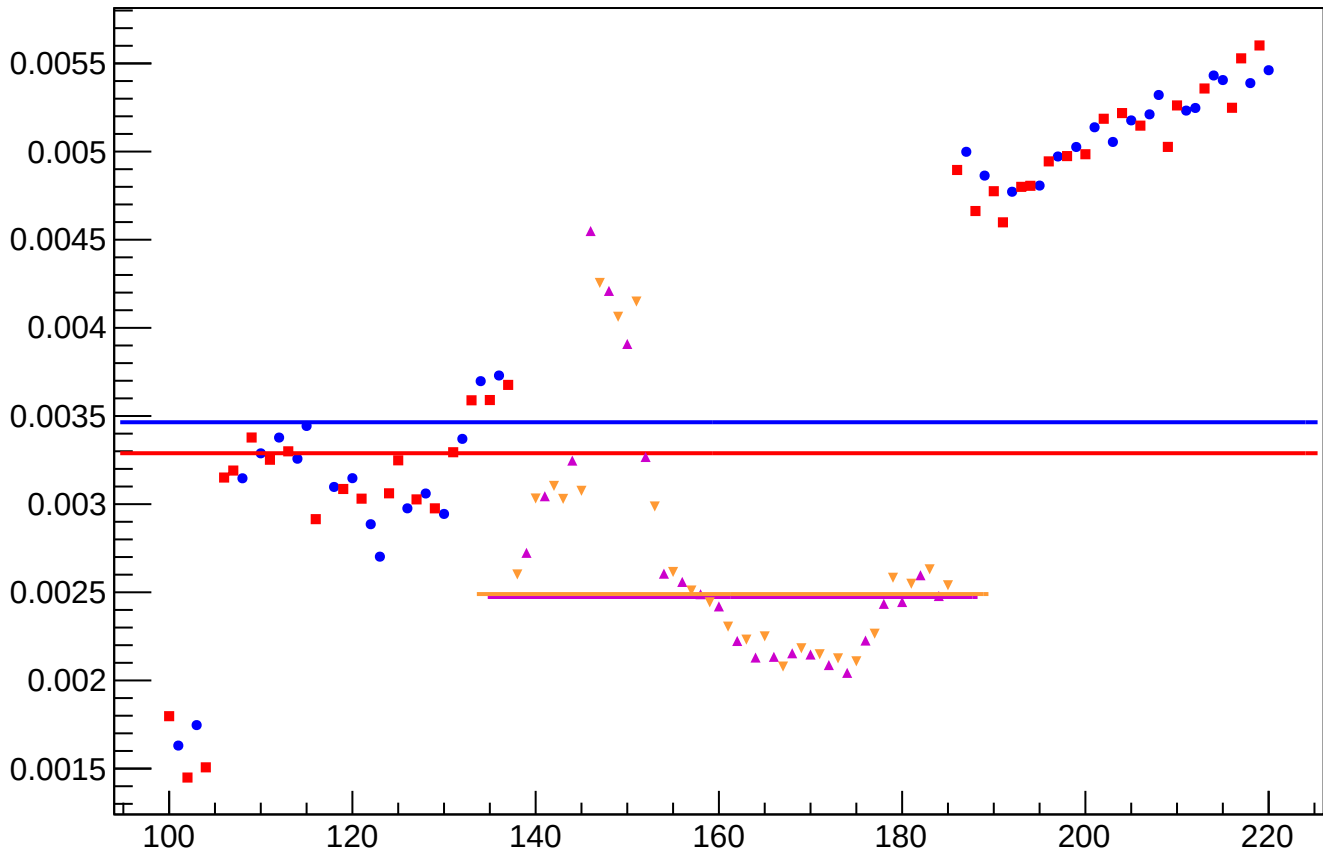
Left In: 0.348 ± 0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.309 ± 0.000 χ^2/NDF : 5409394042108.3/5

All: -0.309 ± 0.000 χ^2/NDF : 1076760287239

- sign -0.309 ± 0.000 χ^2/NDF : 5358208341038.8/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4930566.6/33

Left Out: 0.002+/-0.000 χ^2/NDF :1070282.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5963002.0/36

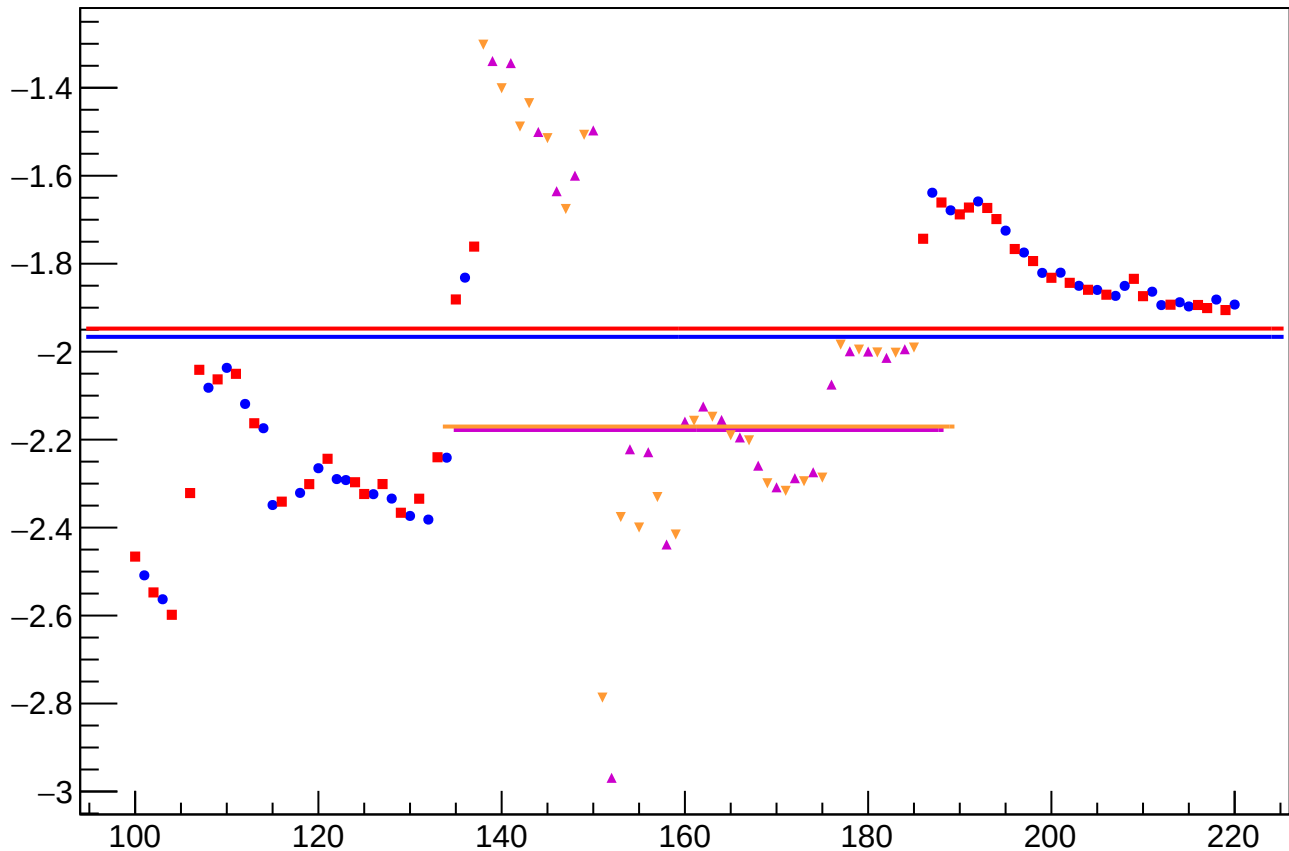
Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 7654283.3/58

All: 0.003+/-0.000 χ^2/NDF : 15971046.2/118

- sign 0.003+/-0.000 χ^2/NDF : 8310229.8/59

yield_bpm0i01aX_mean vs Slug



Right In: -1.966+/-0.000 χ^2/NDF : 31802391978.5/33

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.947+/-0.000 χ^2/NDF : 35464956965.8/36

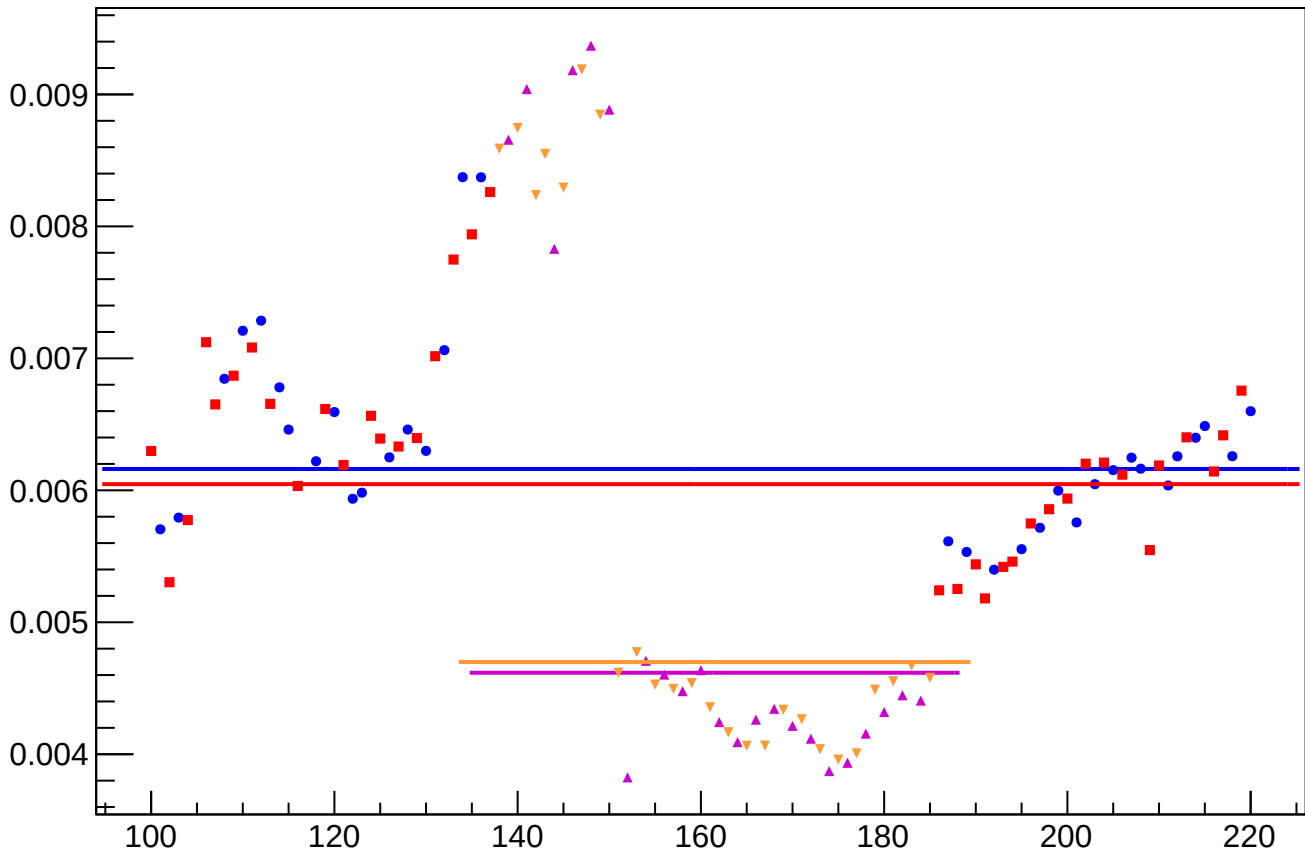
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.090+/-0.000 χ^2/NDF : 104045297670.9/58

All: -2.087+/-0.000 χ^2/NDF : 229036806120.1

- sign -2.083+/-0.000 χ^2/NDF : 124954207487.1/59

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 318010.8/33

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 394915.4/36

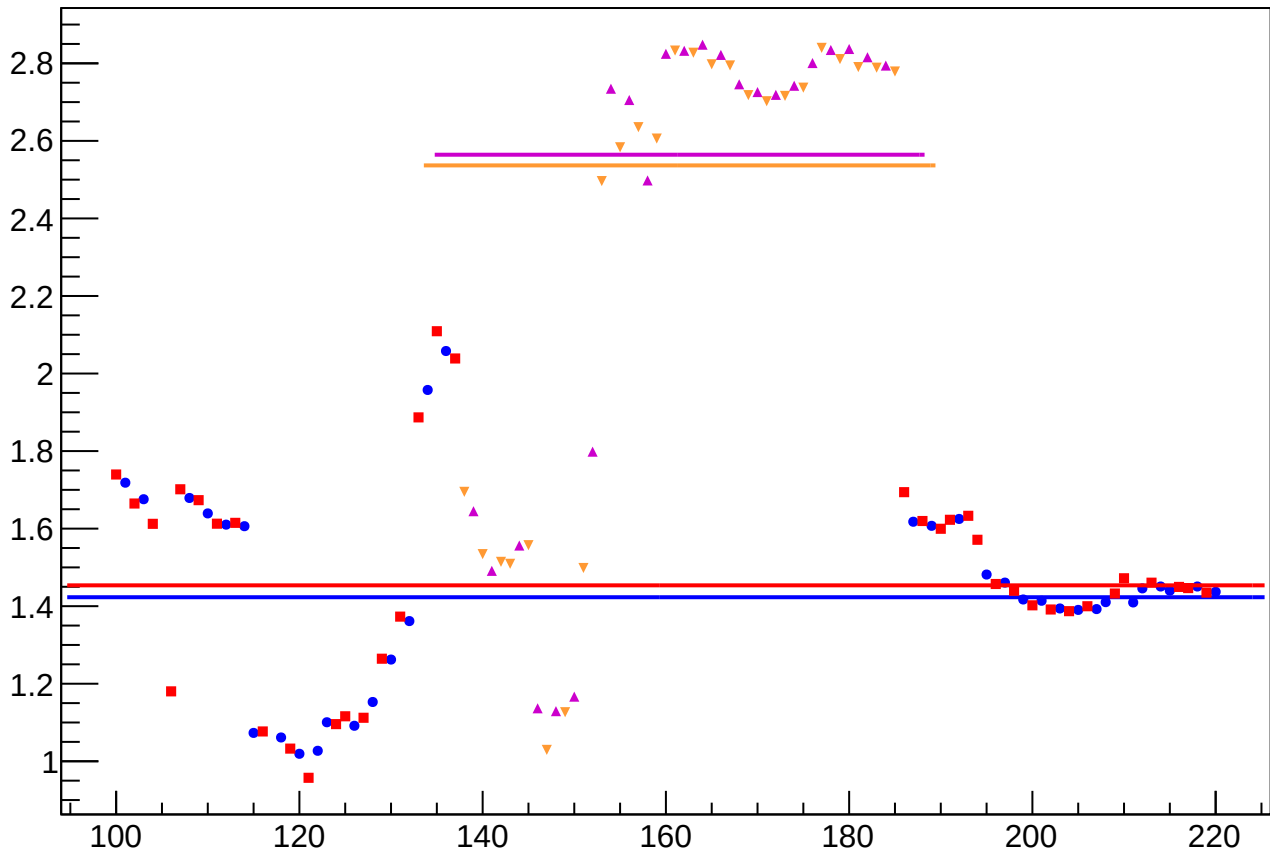
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3900725.0/58

All: 0.005+/-0.000 χ^2/NDF : 7904585.2/118

- sign 0.005+/-0.000 χ^2/NDF : 3998945.4/59

yield_bpm0i01aY_mean vs Slug



Right In: 1.423+/-0.000 χ^2/NDF : 174218590594.2/33

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.454+/-0.000 χ^2/NDF : 177008991644.1/36

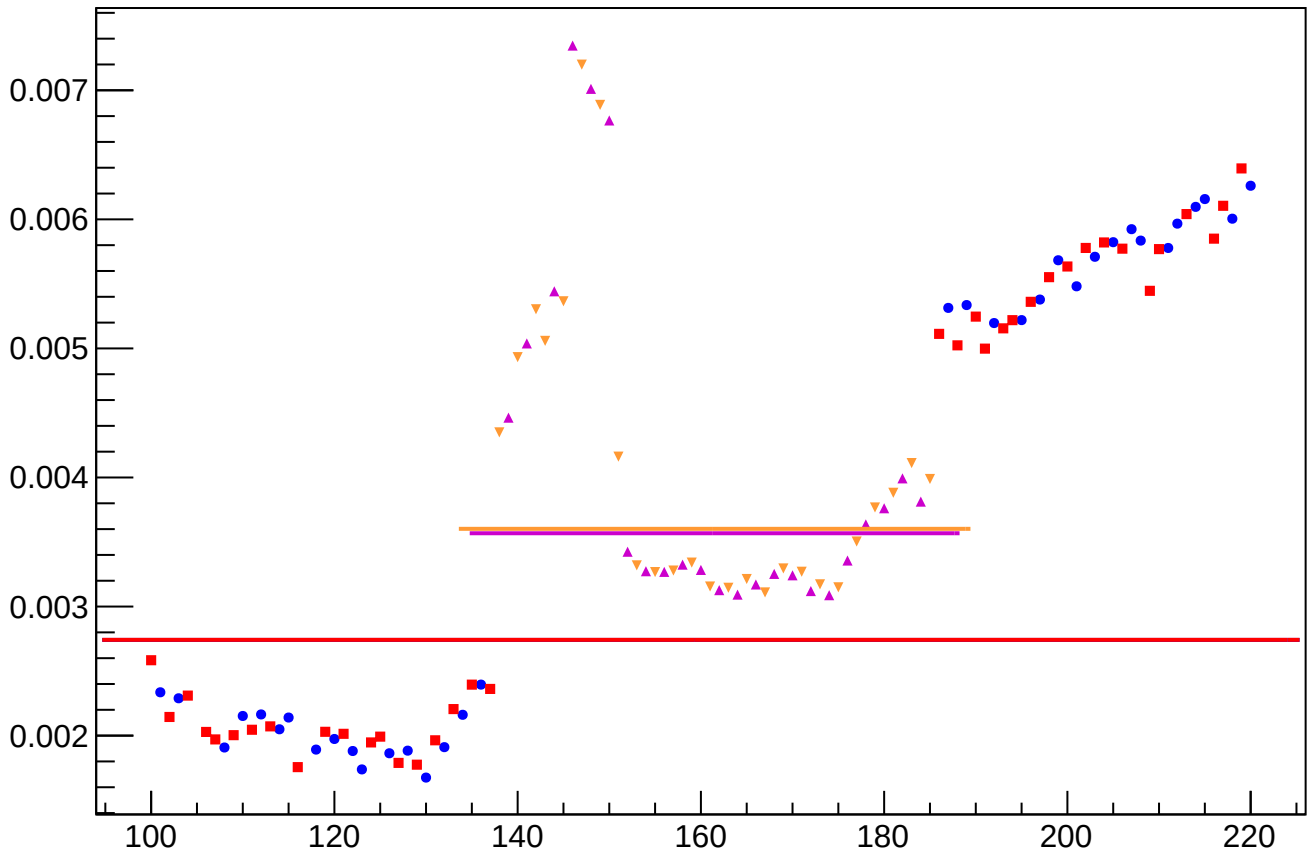
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.874+/-0.000 χ^2/NDF : 1394155072832.0/58

All: 1.877+/-0.000 χ^2/NDF : 2763731869126.

- sign 1.880+/-0.000 χ^2/NDF : 1369530466351.5/59

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 8378681.6/33

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 8141774.3/36

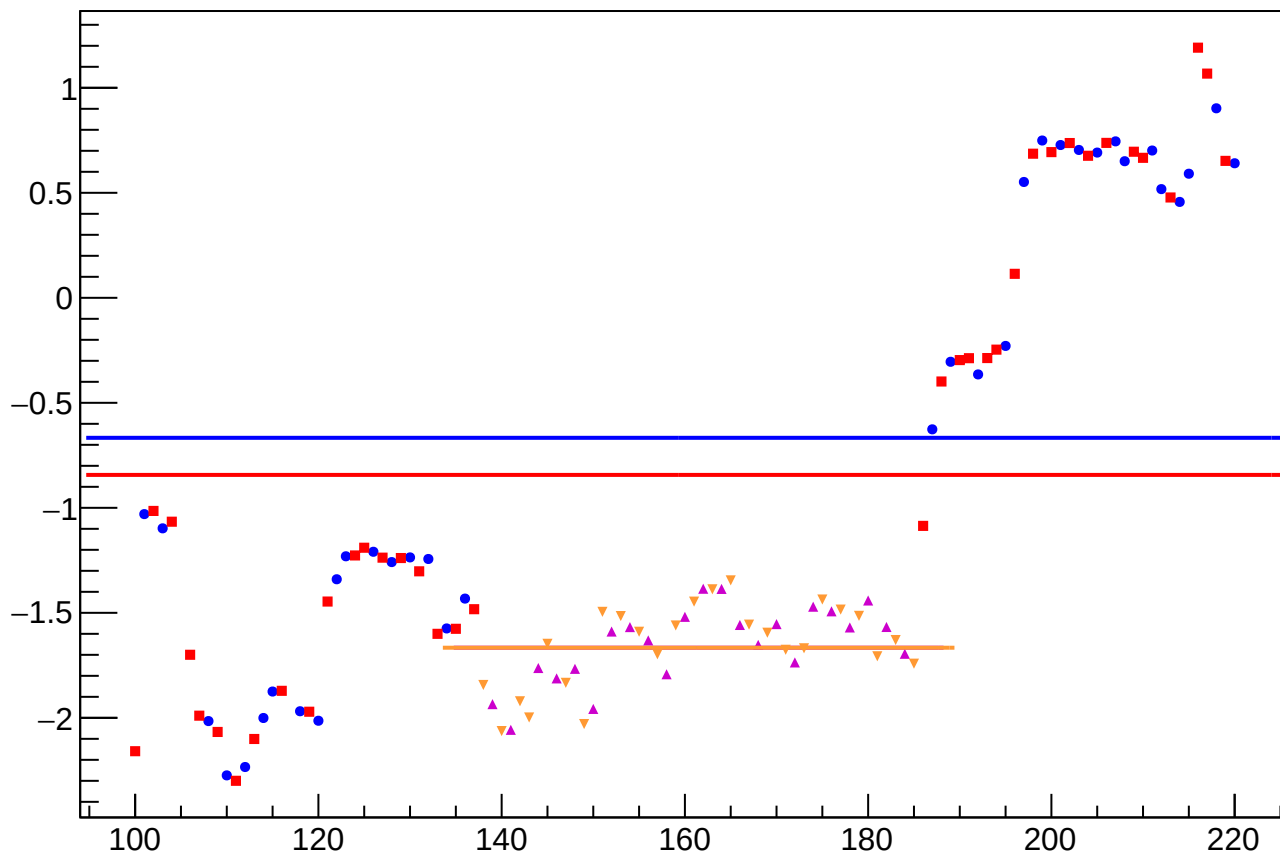
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 10925234.2/58

All: 0.003+/-0.000 χ^2/NDF : 21664081.1/118

- sign 0.003+/-0.000 χ^2/NDF : 10735725.3/59

yield_bpm0l01X_mean vs Slug



Right In: -0.667+/-0.000 χ^2/NDF : 264176360117.6/33

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -0.843+/-0.000 χ^2/NDF : 301797006016.5/36

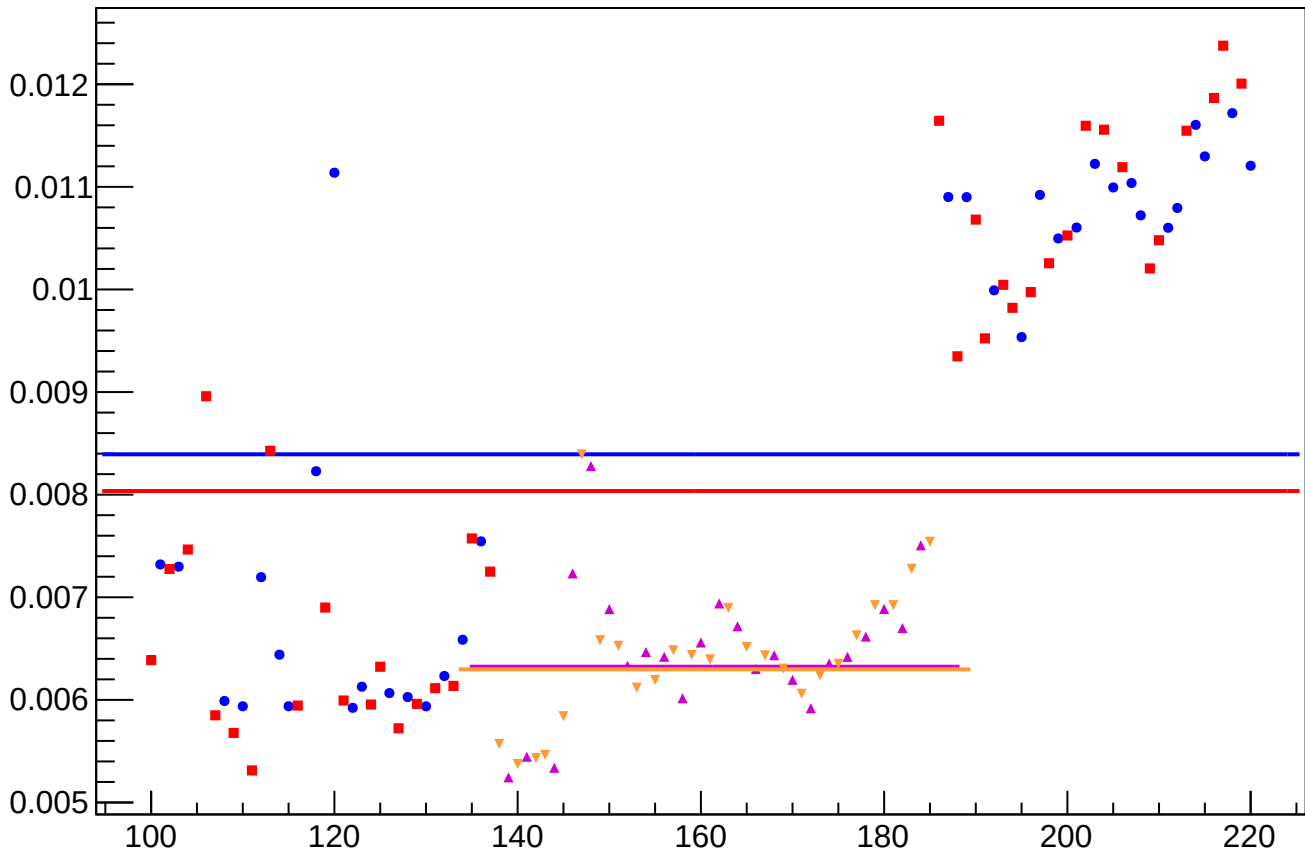
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.313+/-0.000 χ^2/NDF : 438094834607.5/58

All: -1.326+/-0.000 χ^2/NDF : 864372564477.5

- sign -1.340+/-0.000 χ^2/NDF : 426024299809.3/59

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2328005.6/33

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2768855.3/36

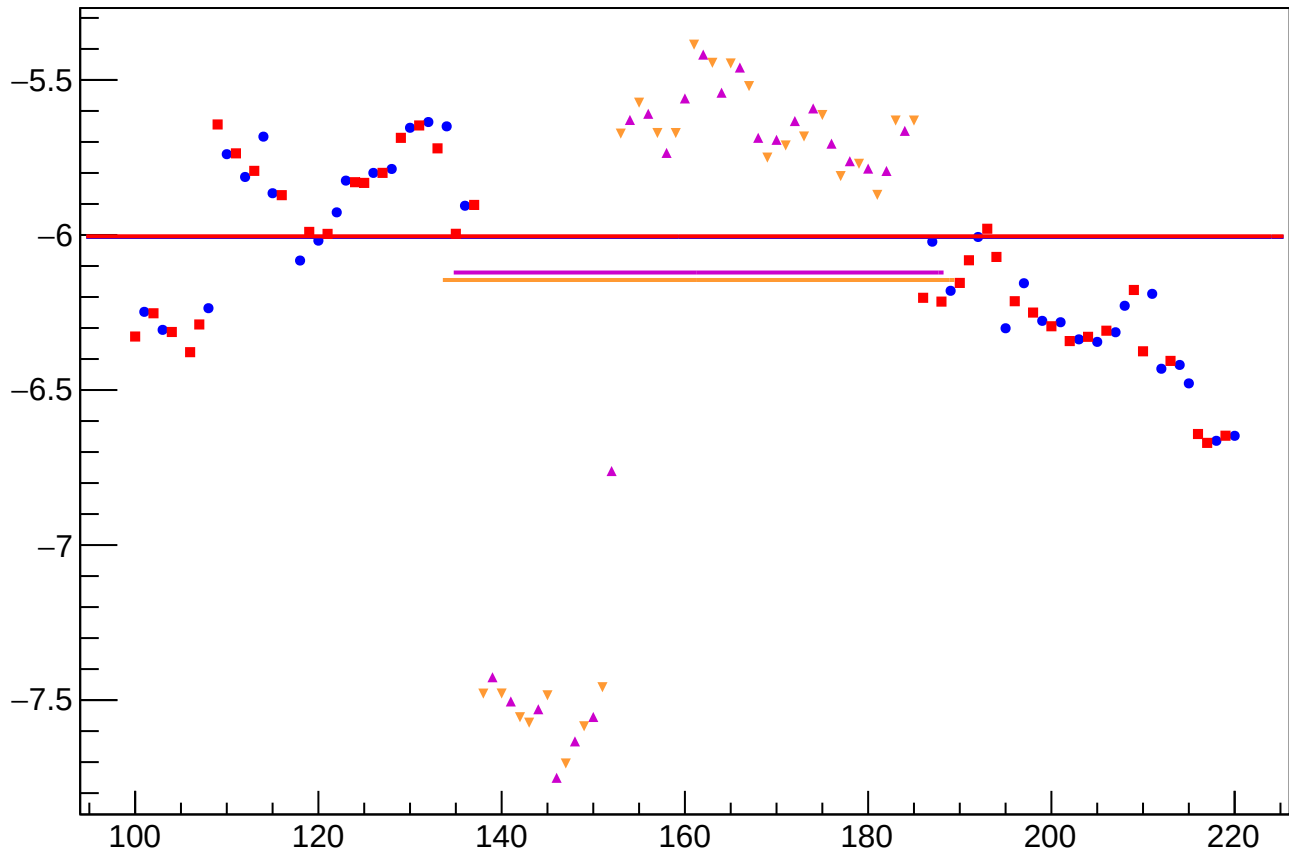
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 4007463.2/58

All: 0.007+/-0.000 χ^2/NDF : 8060365.0/118

- sign 0.007+/-0.000 χ^2/NDF : 4051991.8/59

yield_bpm0l01Y_mean vs Slug



Right In: -6.006+/-0.000 χ^2/NDF : 20749889891.6/33

Left Out: -6.145+/-0.000 χ^2/NDF :185364150237.7/24

Right Out: -6.004+/-0.000 χ^2/NDF : 22148621423.9/36

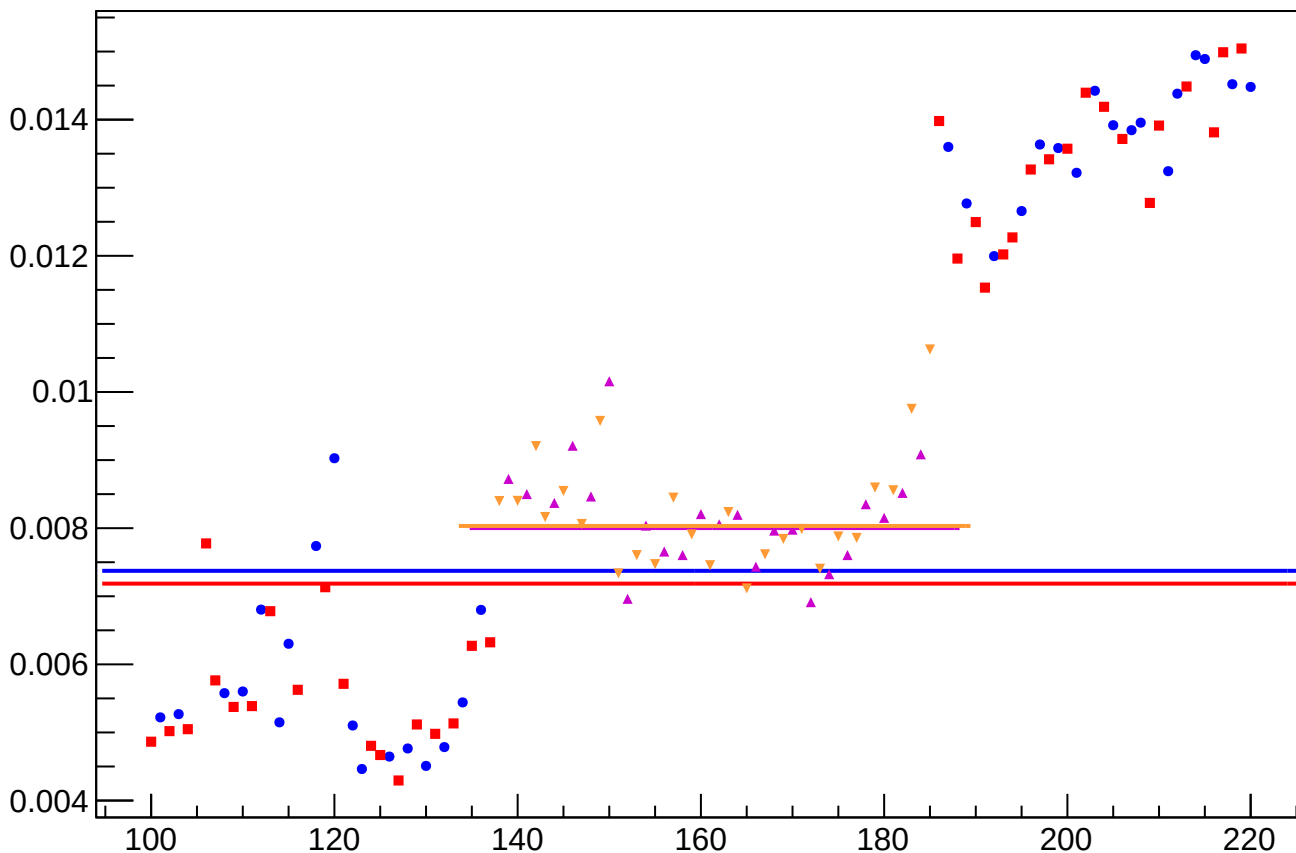
Left In: -6.121+/-0.000 χ^2/NDF :158315913062.3/22

+ sign -6.075+/-0.000 χ^2/NDF : 208629441082.4/58

All: -6.066+/-0.000 χ^2/NDF : 390985117016.9

- sign -6.058+/-0.000 χ^2/NDF : 182282000689.7/59

yield_bpm0l01Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 7050659.0/33

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205762.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 6969575.6/36

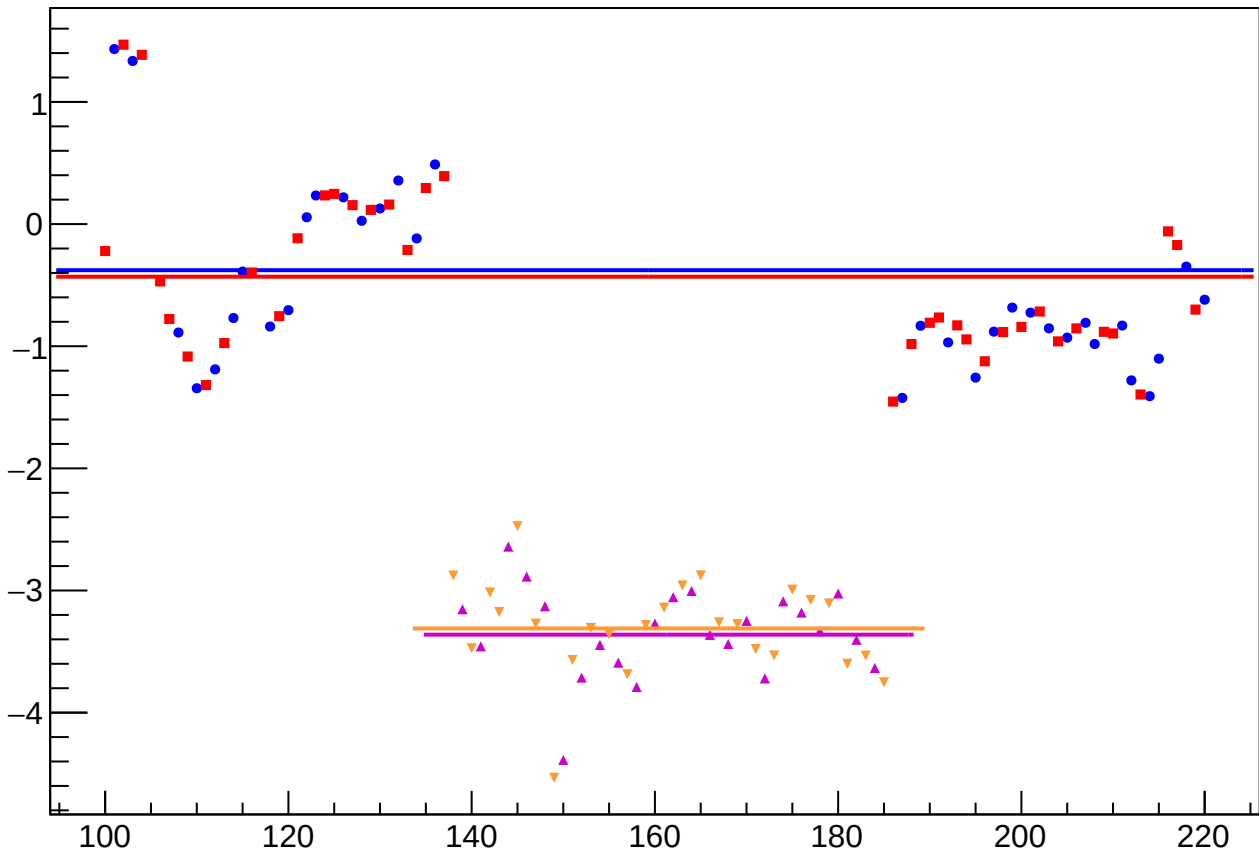
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220756.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7369825.2/58

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 14747326.9/118

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7367564.1/59

yield_bpm0l02X_mean vs Slug



Right In: -0.378+/-0.000 χ^2/NDF : 36583709451.0/33

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.431+/-0.000 χ^2/NDF : 35296308280.2/36

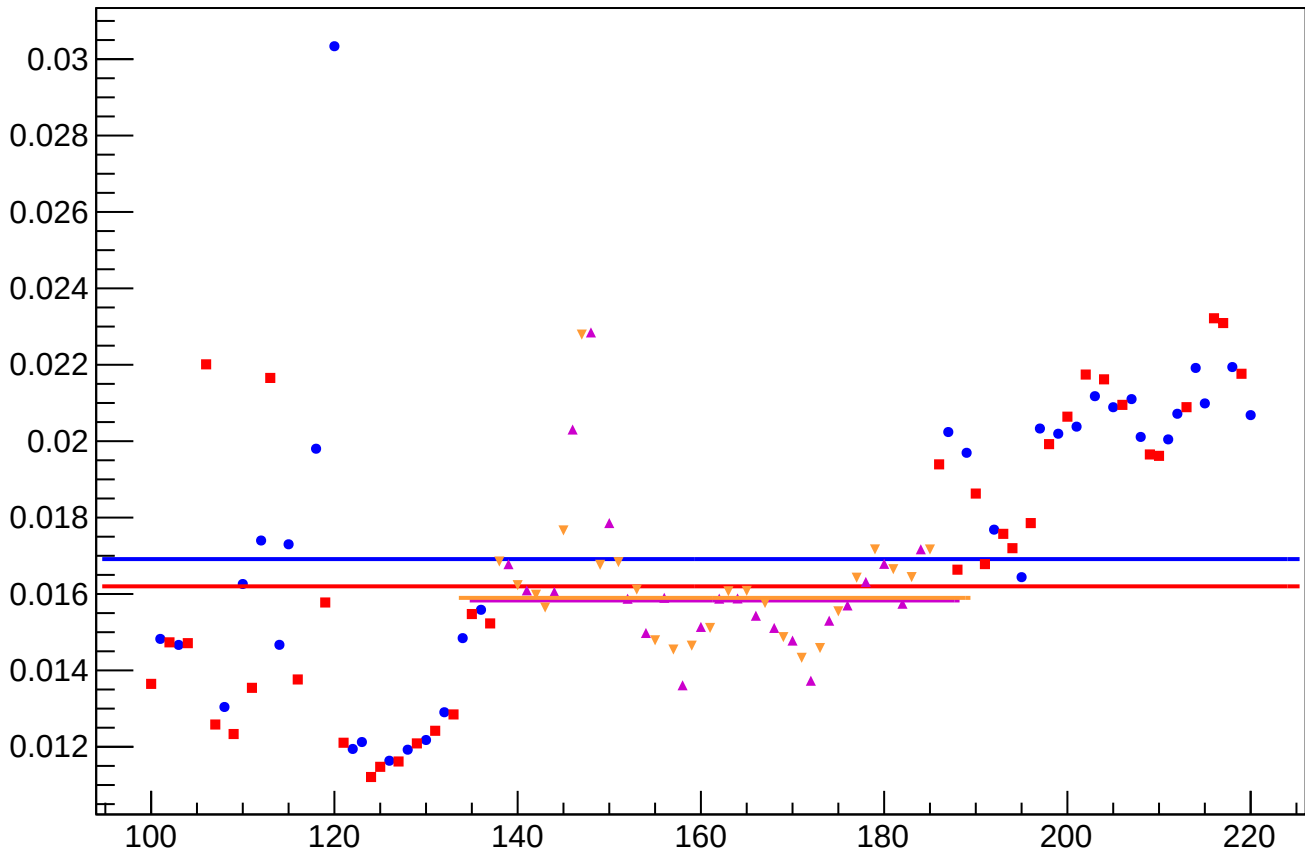
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -1.951+/-0.000 χ^2/NDF : 324949153829.3/58

All: -1.913+/-0.000 χ^2/NDF : 657071604403.1

- sign -1.877+/-0.000 χ^2/NDF : 331763787967.8/59

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 1682888.5/33

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF : 1862712.5/36

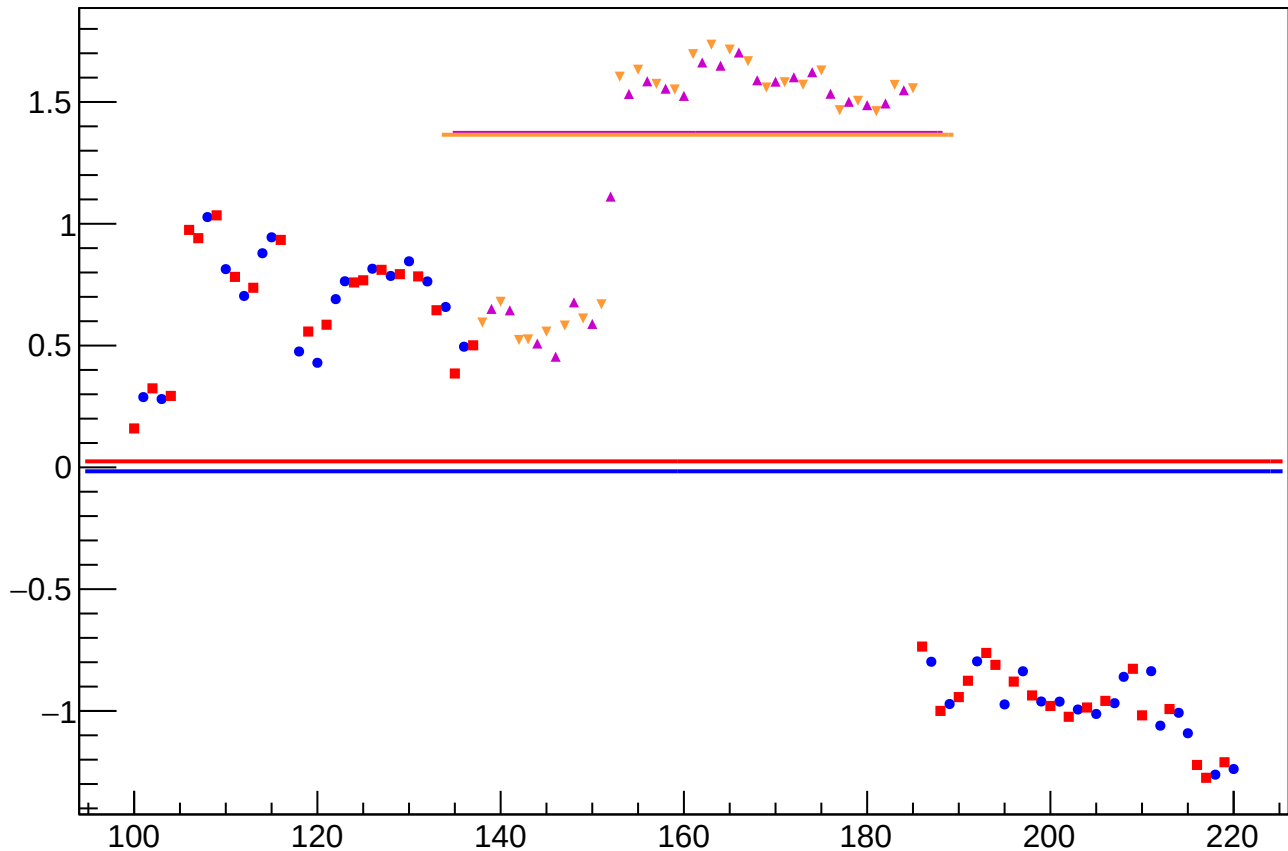
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 2001643.9/58

All: 0.016+/-0.000 χ^2/NDF : 4229388.0/118

- sign 0.016+/-0.000 χ^2/NDF : 2211431.1/59

yield_bpm0l02Y_mean vs Slug



Right In: -0.016 ± 0.000 $\chi^2/\text{NDF}: 102095530351.2/33$

Left Out: 1.366 ± 0.000 $\chi^2/\text{NDF}: 74741956067.9/24$

Right Out: 0.025 ± 0.000 $\chi^2/\text{NDF}: 110976857417.5/36$

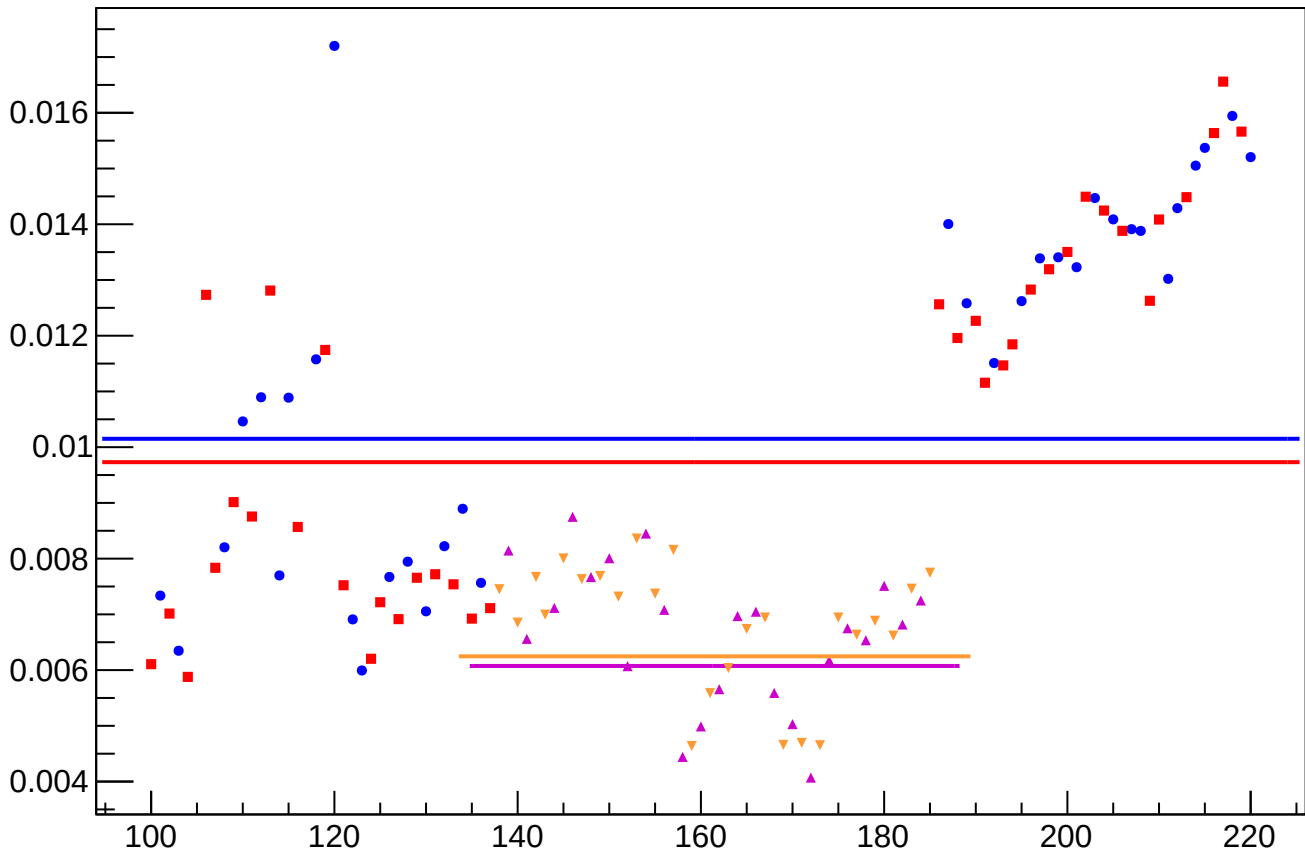
Left In: 1.373 ± 0.000 $\chi^2/\text{NDF}: 63413151416.3/22$

+ sign 0.992 ± 0.000 $\chi^2/\text{NDF}: 396917844631.2/58$

All: 0.986 ± 0.000 $\chi^2/\text{NDF}: 797594496057.7$

- sign 0.981 ± 0.000 $\chi^2/\text{NDF}: 400640406653.1/59$

yield_bpm0l02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 3244320.7/33

Left Out: 0.006+/-0.000 χ^2/NDF :1330867.5/24

Right Out: 0.010+/-0.000 χ^2/NDF : 3438442.5/36

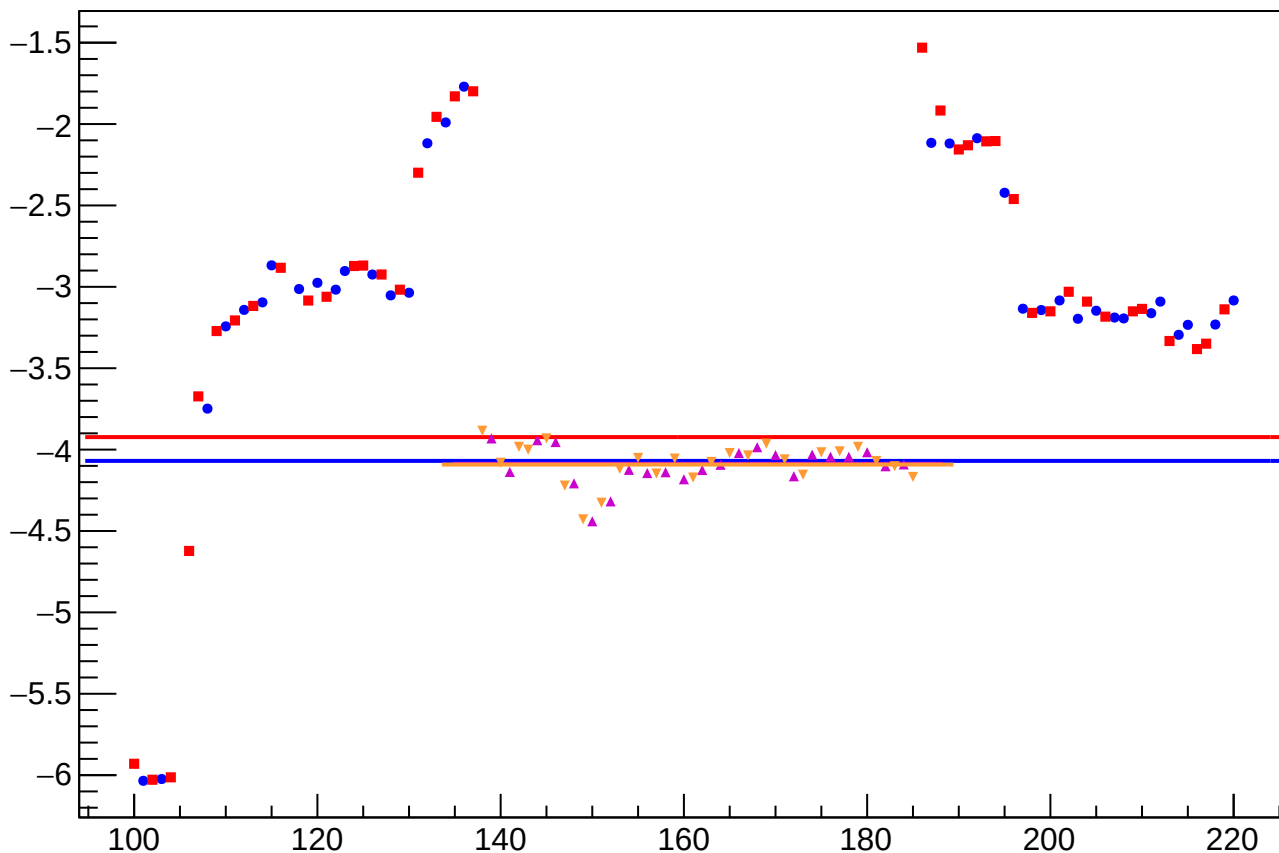
Left In: 0.006+/-0.000 χ^2/NDF :1431986.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 8087925.7/58

All: 0.007+/-0.000 χ^2/NDF : 16302111.4/118

- sign 0.007+/-0.000 χ^2/NDF : 8198099.6/59

yield_bpm0l03X_mean vs Slug



Right In: -4.069 ± 0.000 $\chi^2/\text{NDF}: 292575937003.3/33$

Left Out: -4.092 ± 0.000 $\chi^2/\text{NDF}: 39806766.7/24$

+ sign -4.070 ± 0.000 $\chi^2/\text{NDF}: 292617193327.6/58$

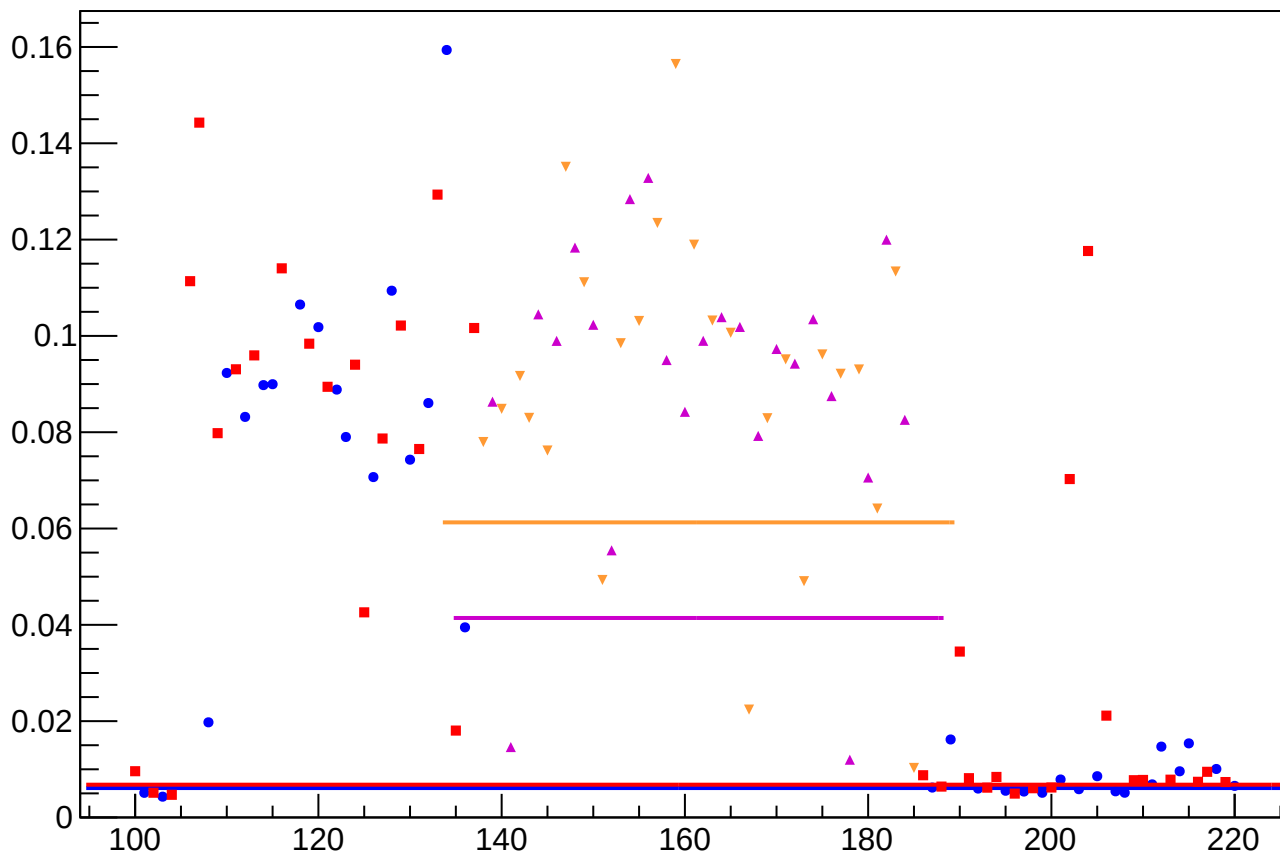
Right Out: -3.923 ± 0.000 $\chi^2/\text{NDF}: 280221495630.4/36$

All: -4.008 ± 0.000 $\chi^2/\text{NDF}: 574103964022.9$

Left In: -4.088 ± 0.000 $\chi^2/\text{NDF}: 34412880.7/22$

- sign -3.930 ± 0.000 $\chi^2/\text{NDF}: 280366579637.5/59$

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8428105.6/33

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10412871.3/36

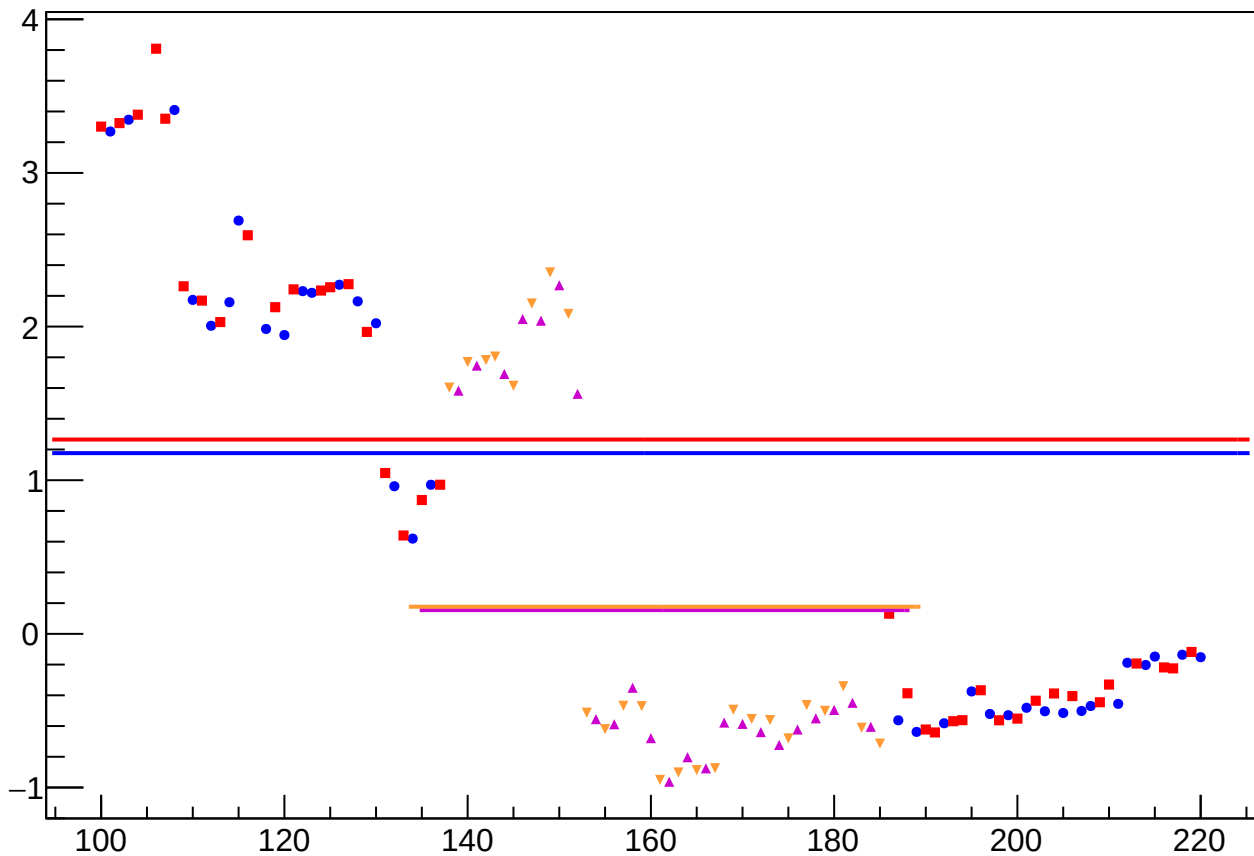
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34349505.0/58

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 67773167.5/118

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33334775.0/59

yield_bpm0l03Y_mean vs Slug



Right In: 1.176+/-0.000 χ^2/NDF : 226072739973.8/33

Left Out: 0.177+/-0.000 χ^2/NDF : 3275313367.7/24

Right Out: 1.265+/-0.000 χ^2/NDF : 201017998628.2/36

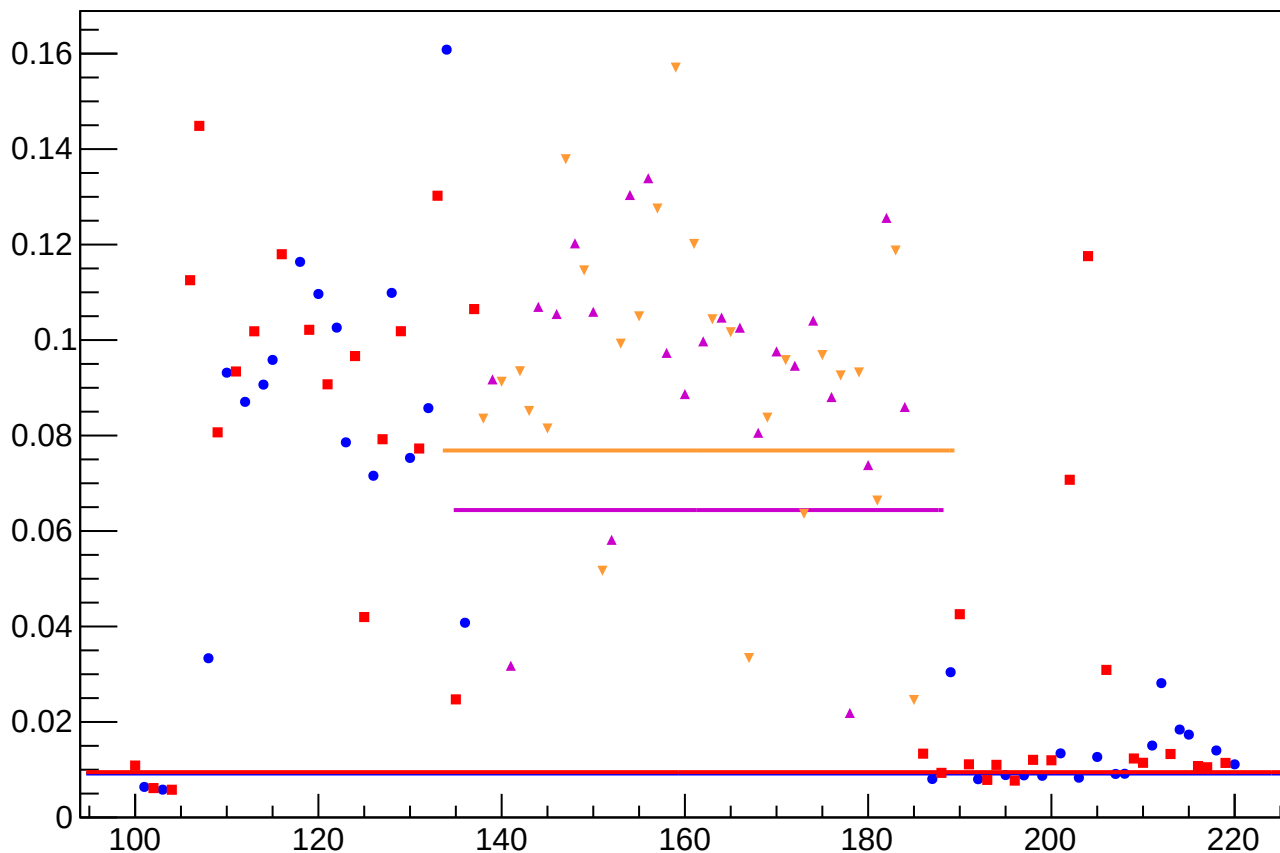
Left In: 0.154+/-0.000 χ^2/NDF : 3163553595.0/22

+ sign 1.143+/-0.000 χ^2/NDF : 231538062181.0/58

All: 1.179+/-0.000 χ^2/NDF : 438951432413.8

- sign 1.218+/-0.000 χ^2/NDF : 207229345724.1/59

yield_bpm0l03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 8654829.8/33

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 10412652.0/36

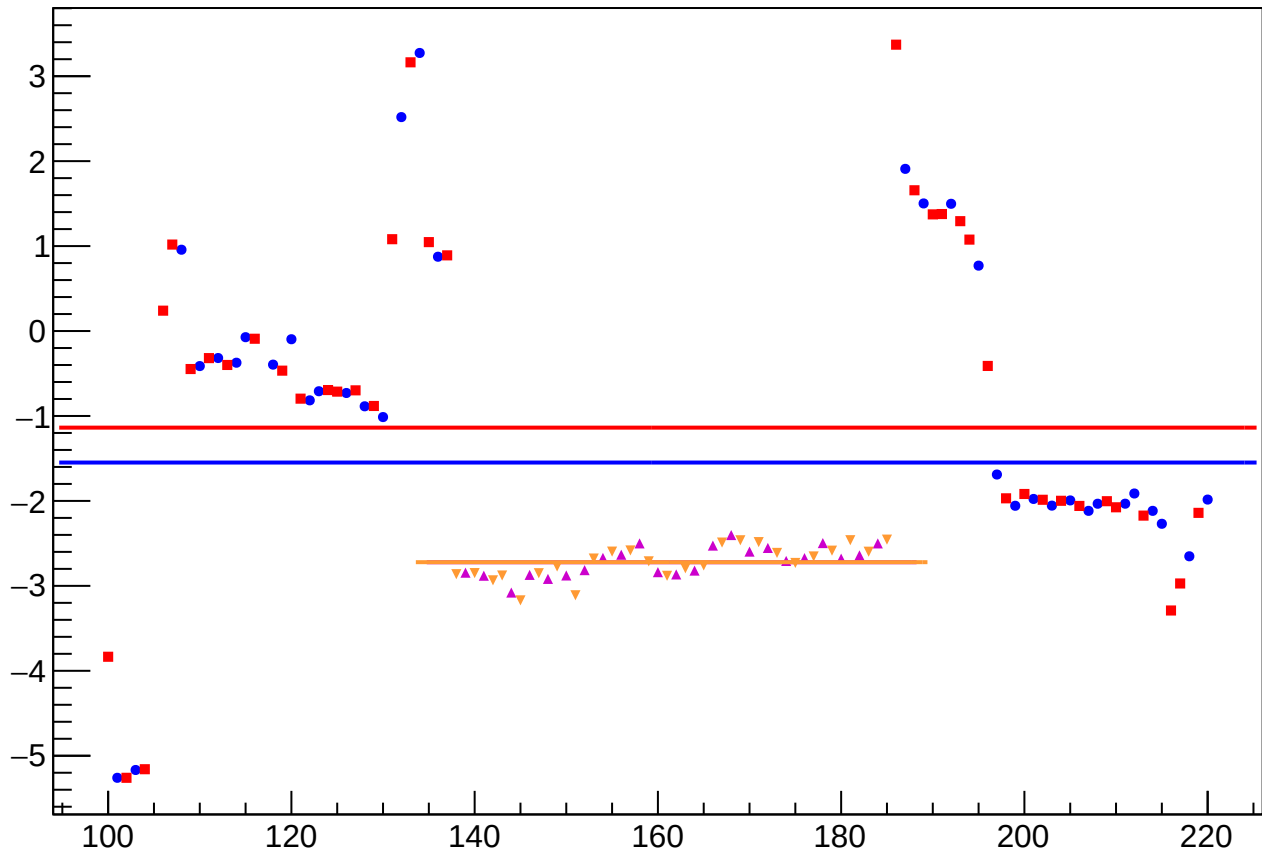
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 32937986.3/58

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 65243056.2/118

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32298411.8/59

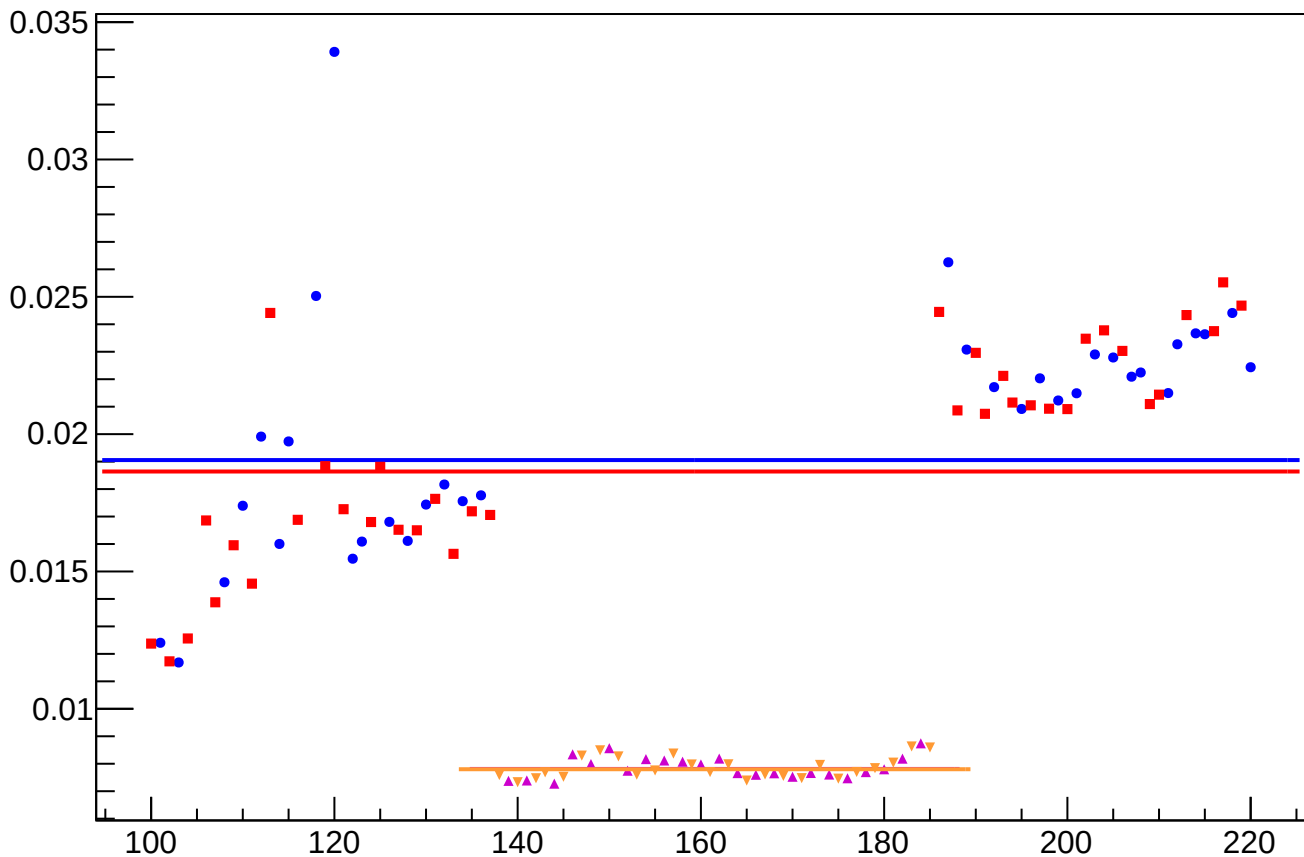
yield_bpm0l04X_mean vs Slug



Right In: -1.548 ± 0.000 $\chi^2/\text{NDF}: 210273624149.8/33$
 Left Out: -2.721 ± 0.000 $\chi^2/\text{NDF}: 10397156971.6/24$
 Right Out: -1.137 ± 0.000 $\chi^2/\text{NDF}: 251703816617.8/36$
 Left In: -2.722 ± 0.000 $\chi^2/\text{NDF}: 8146484592.1/22$

+ sign -2.559 ± 0.000 $\chi^2/\text{NDF}: 275963543565.6/58$
 All: -2.519 ± 0.000 $\chi^2/\text{NDF}: 643609495813.7$
 - sign -2.476 ± 0.000 $\chi^2/\text{NDF}: 366502747542.9/59$

yield_bpm0l04X_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1683858.6/33

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 1672178.8/36

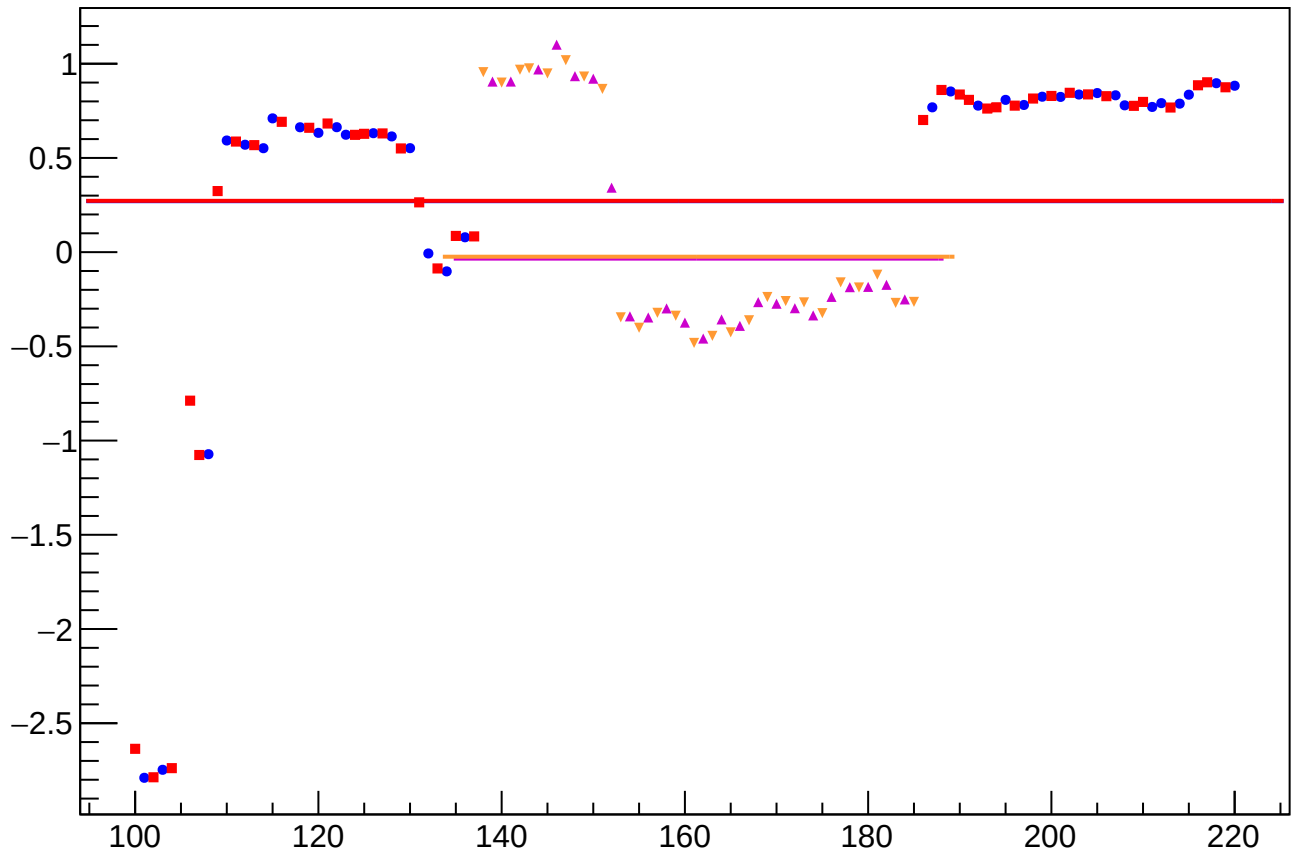
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 11937186.2/58

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 23643447.5/118

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 11700160.0/59

yield_bpm0l04Y_mean vs Slug



Right In: 0.270 $\pm$ 0.000 χ^2 /NDF: 915844479917.1/33

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF: 135451649275.0/24

Right Out: 0.272 $\pm$ 0.000 χ^2 /NDF: 971136065703.0/36

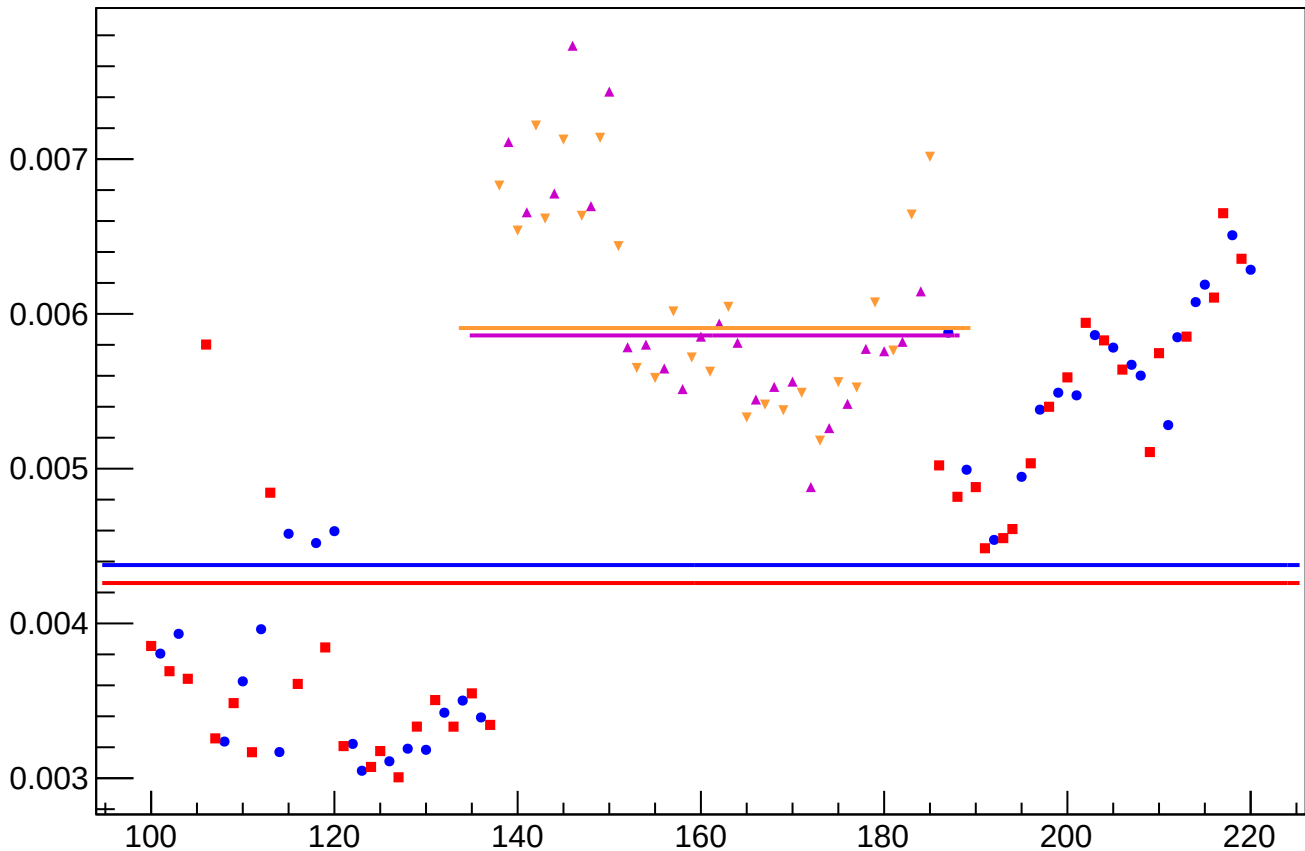
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign 0.167 $\pm$ 0.000 χ^2 /NDF: 1078534029353.9/58

All: 0.170 $\pm$ 0.000 χ^2 /NDF: 2193238625862.0/117

- sign 0.173 $\pm$ 0.000 χ^2 /NDF: 1114681603211.3/59

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2173170.9/33

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2184143.5/36

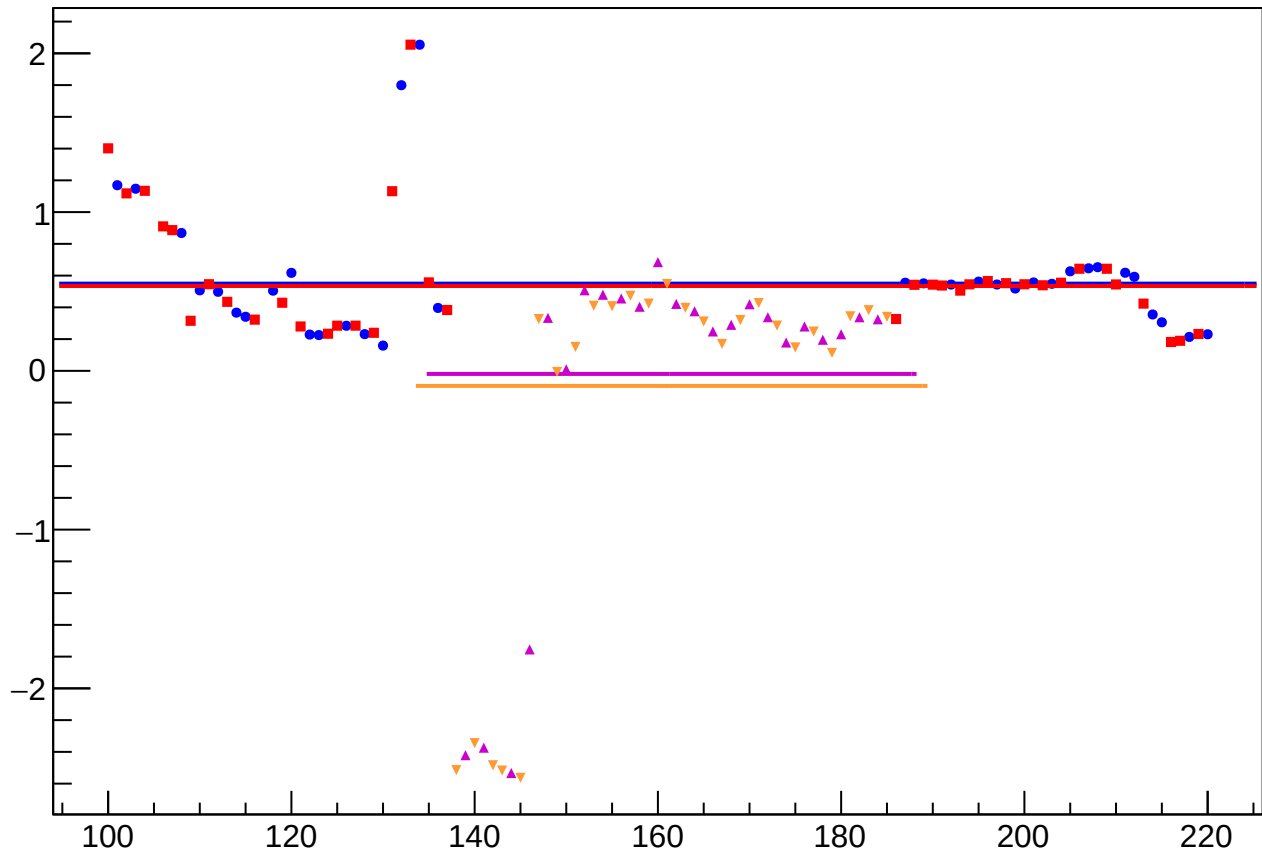
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3959404.4/58

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 8144686.9/118

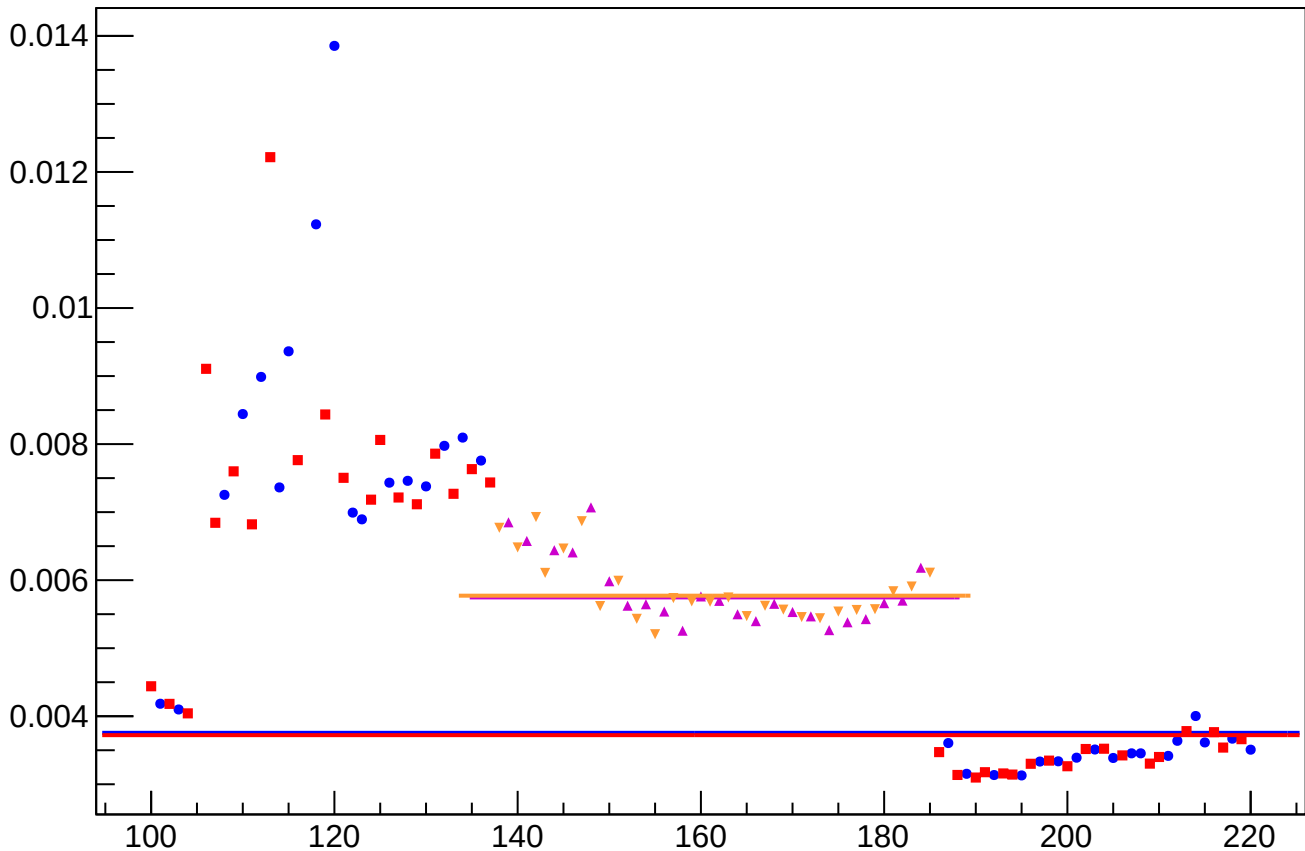
- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4160008.7/59

yield_bpm0l05X_mean vs Slug



Right In: 0.549 $\pm$ 0.000 χ^2 /NDF: 62164392672.1/33
 Left Out: -0.095 $\pm$ 0.000 χ^2 /NDF: 505606573631.9/24
 Right Out: 0.535 $\pm$ 0.000 χ^2 /NDF: 68828861695.2/36
 Left In: -0.019 $\pm$ 0.000 χ^2 /NDF: 417104863944.5/22
 All: 0.362 $\pm$ 0.000 χ^2 /NDF: 1309467910211.0
 + sign 0.350 $\pm$ 0.000 χ^2 /NDF: 715400009453.9/58
 - sign 0.374 $\pm$ 0.000 χ^2 /NDF: 593552661878.6/59

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 3161923.1/33

Left Out: 0.006+/-0.000 χ^2/NDF :177680.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 3198605.2/36

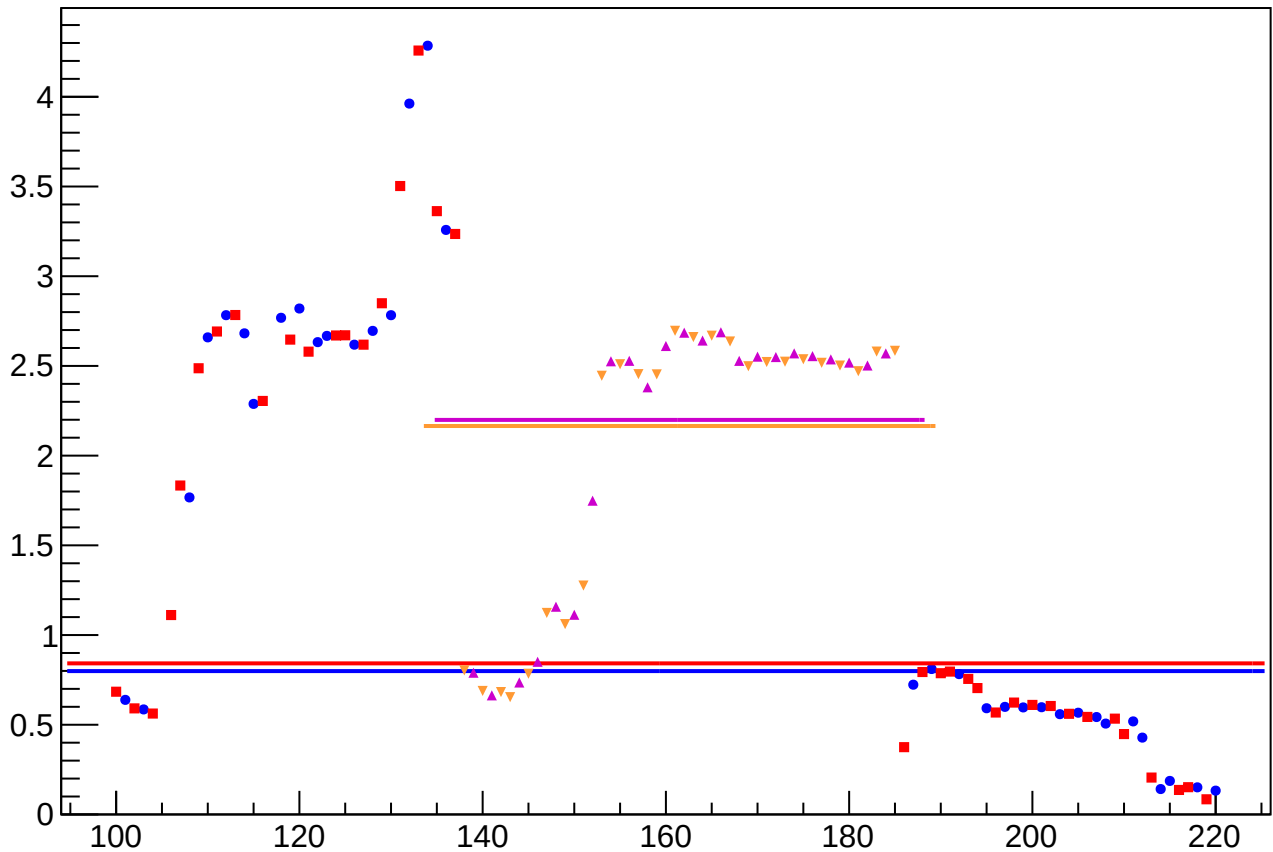
Left In: 0.006+/-0.000 χ^2/NDF :204066.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 6229412.0/58

All: 0.004+/-0.000 χ^2/NDF : 12516500.0/118

- sign 0.004+/-0.000 χ^2/NDF : 6277967.7/59

yield_bpm0l05Y_mean vs Slug



Right In: 0.799 ± 0.000 $\chi^2/\text{NDF}: 348441688437.4/33$

Left Out: 2.165 ± 0.000 $\chi^2/\text{NDF}: 292800056899.6/24$

Right Out: 0.842 ± 0.000 $\chi^2/\text{NDF}: 400196831622.0/36$

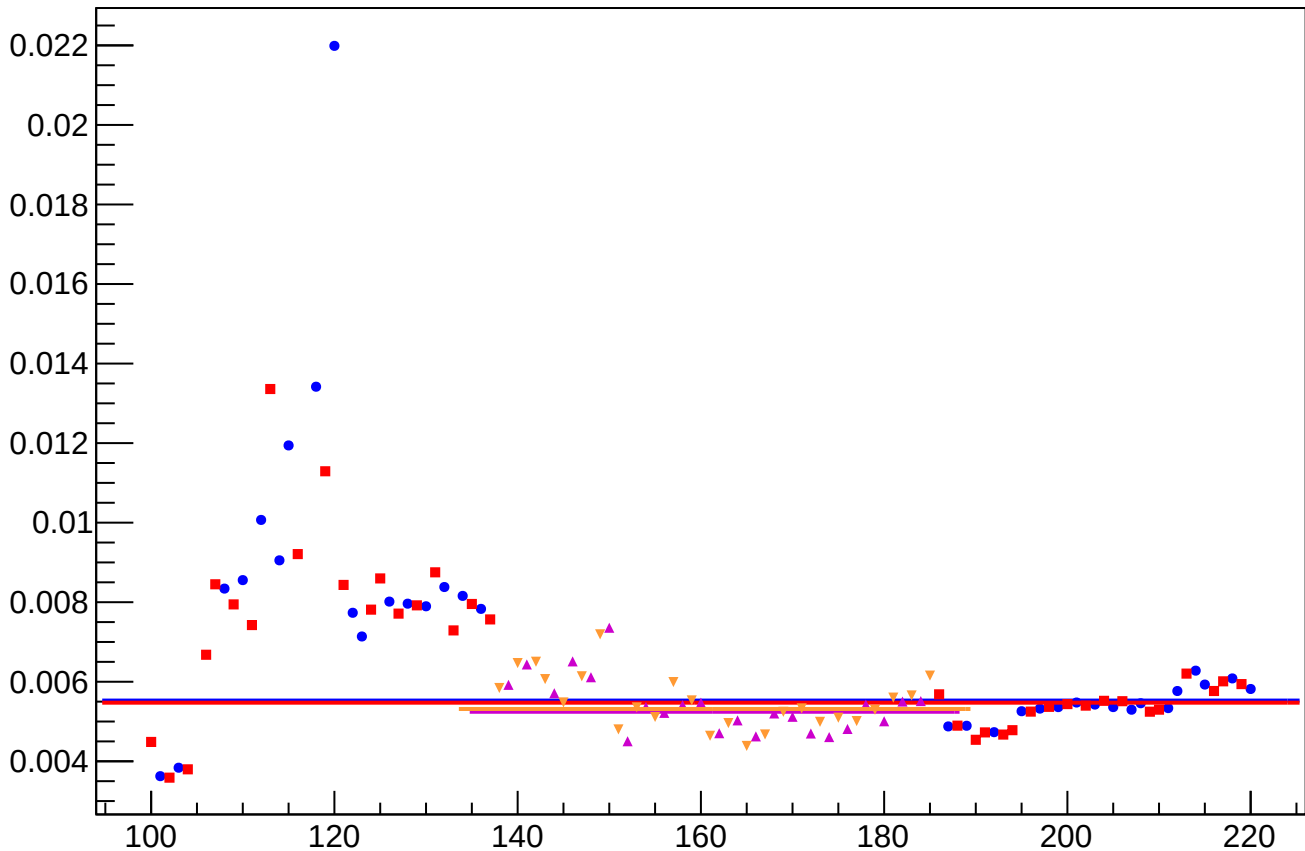
Left In: 2.199 ± 0.000 $\chi^2/\text{NDF}: 253166239065.4/22$

+ sign 1.507 ± 0.000 $\chi^2/\text{NDF}: 1168983100143.3/58$

All: 1.512 ± 0.000 $\chi^2/\text{NDF}: 2351995780973.$

- sign 1.517 ± 0.000 $\chi^2/\text{NDF}: 1182955541223.7/59$

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2063780.4/33

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1931944.5/36

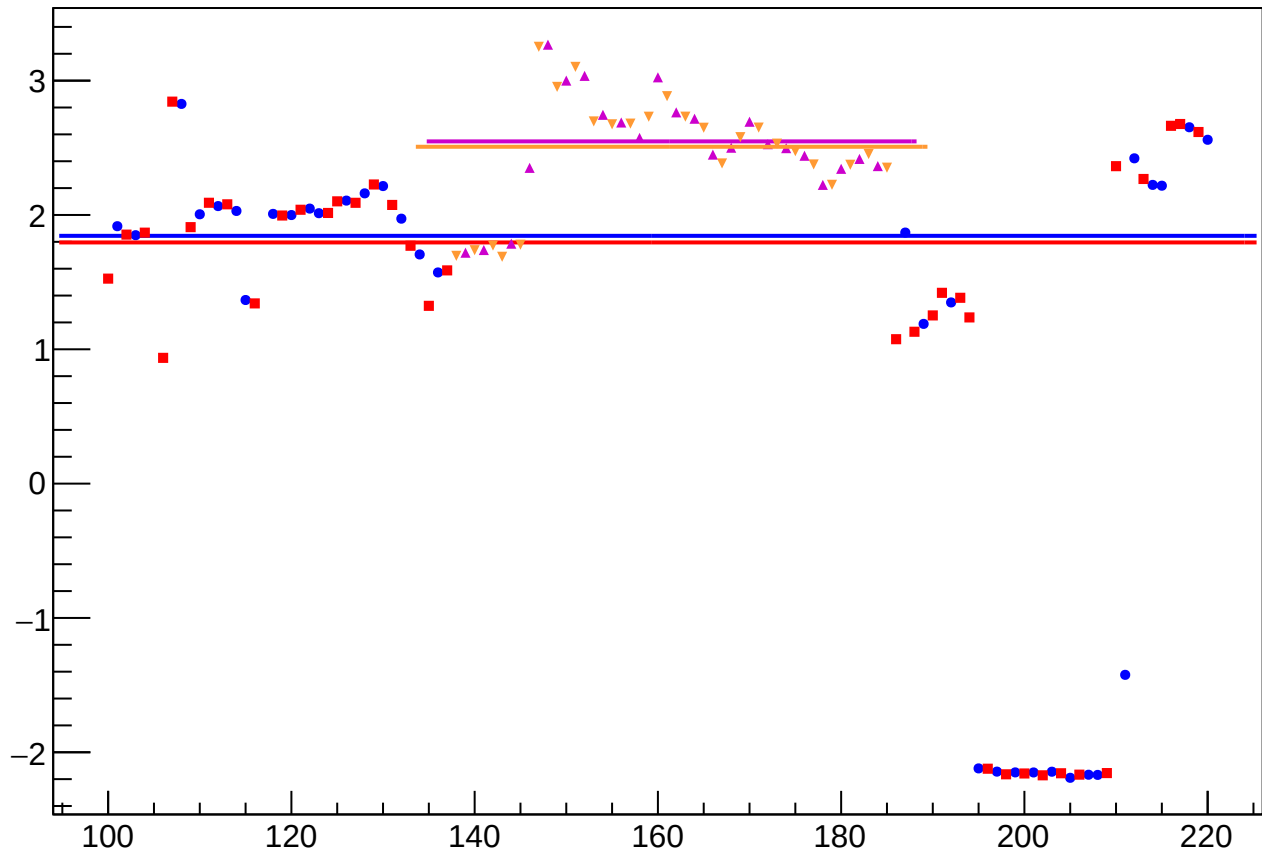
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2487846.8/58

All: 0.005+/-0.000 χ^2/NDF : 4879309.6/118

- sign 0.005+/-0.000 χ^2/NDF : 2387784.2/59

yield_bpm0l06X_mean vs Slug



Right In: 1.845 $\pm$ 0.000 χ^2 /NDF: 172693579724.0/33

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.795 $\pm$ 0.000 χ^2 /NDF: 159693221864.9/36

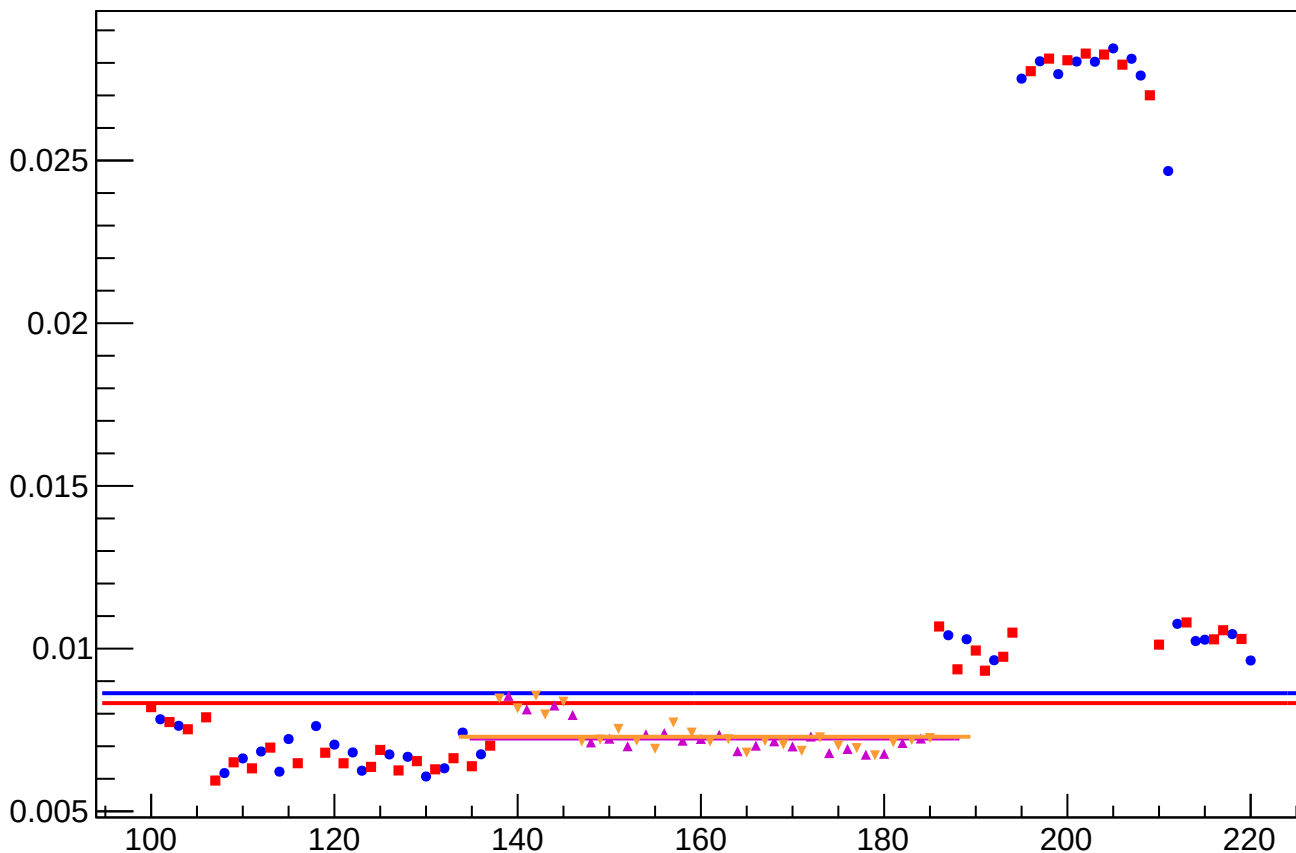
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.261 $\pm$ 0.000 χ^2 /NDF: 278869167335.3/58

All: 2.248 $\pm$ 0.000 χ^2 /NDF: 558297883534.8

- sign 2.236 $\pm$ 0.000 χ^2 /NDF: 279272204429.1/59

yield_bpm0l06X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 7740517.4/33

Left Out: 0.007+/-0.000 χ^2/NDF : 140788.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 6582819.3/36

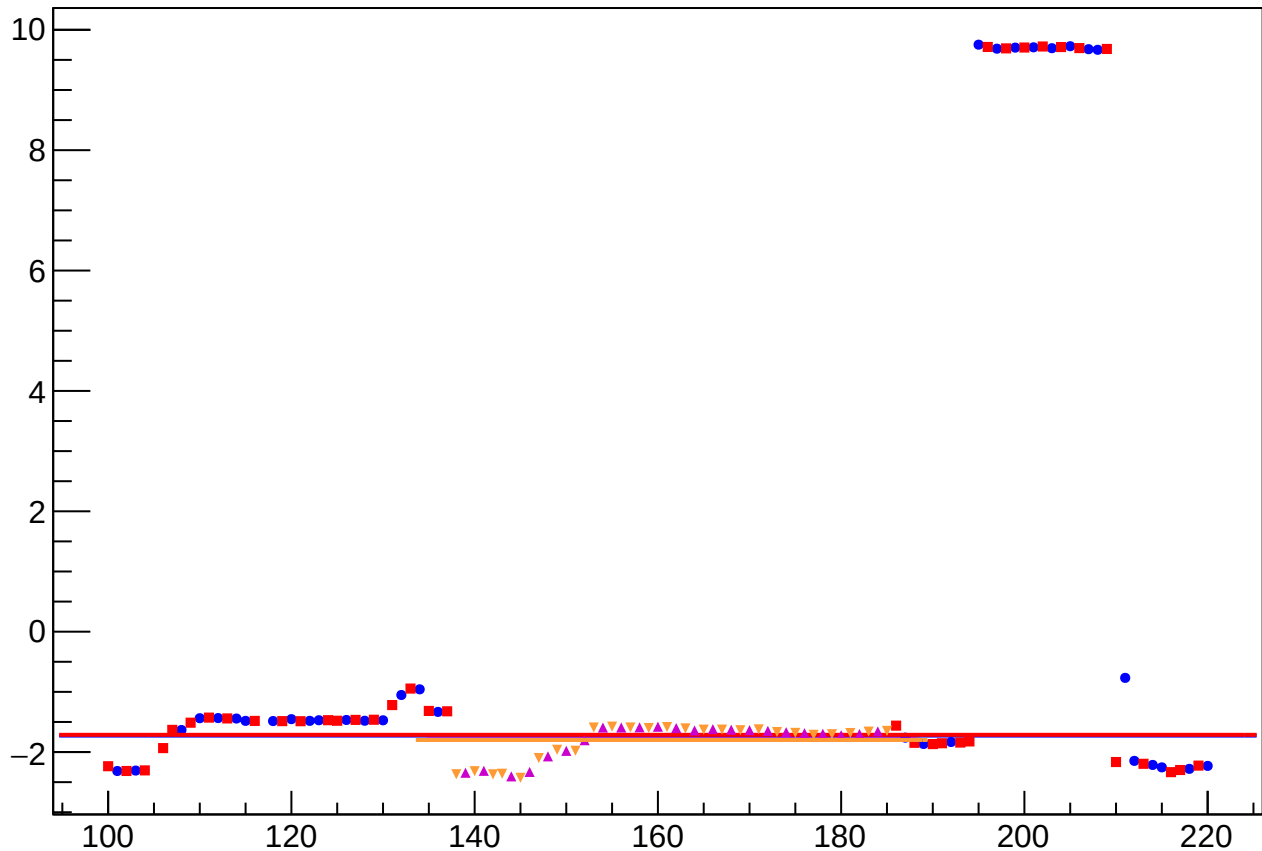
Left In: 0.007+/-0.000 χ^2/NDF : 125233.2/22

+ sign 0.008+/-0.000 χ^2/NDF : 8319968.6/58

All: 0.008+/-0.000 χ^2/NDF : 15343691.1/118

- sign 0.008+/-0.000 χ^2/NDF : 7018150.3/59

yield_bpm0l06Y_mean vs Slug



Right In: -1.726+/-0.000 χ^2/NDF : 431227822996.5/33

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.714+/-0.000 χ^2/NDF : 410213697314.9/36

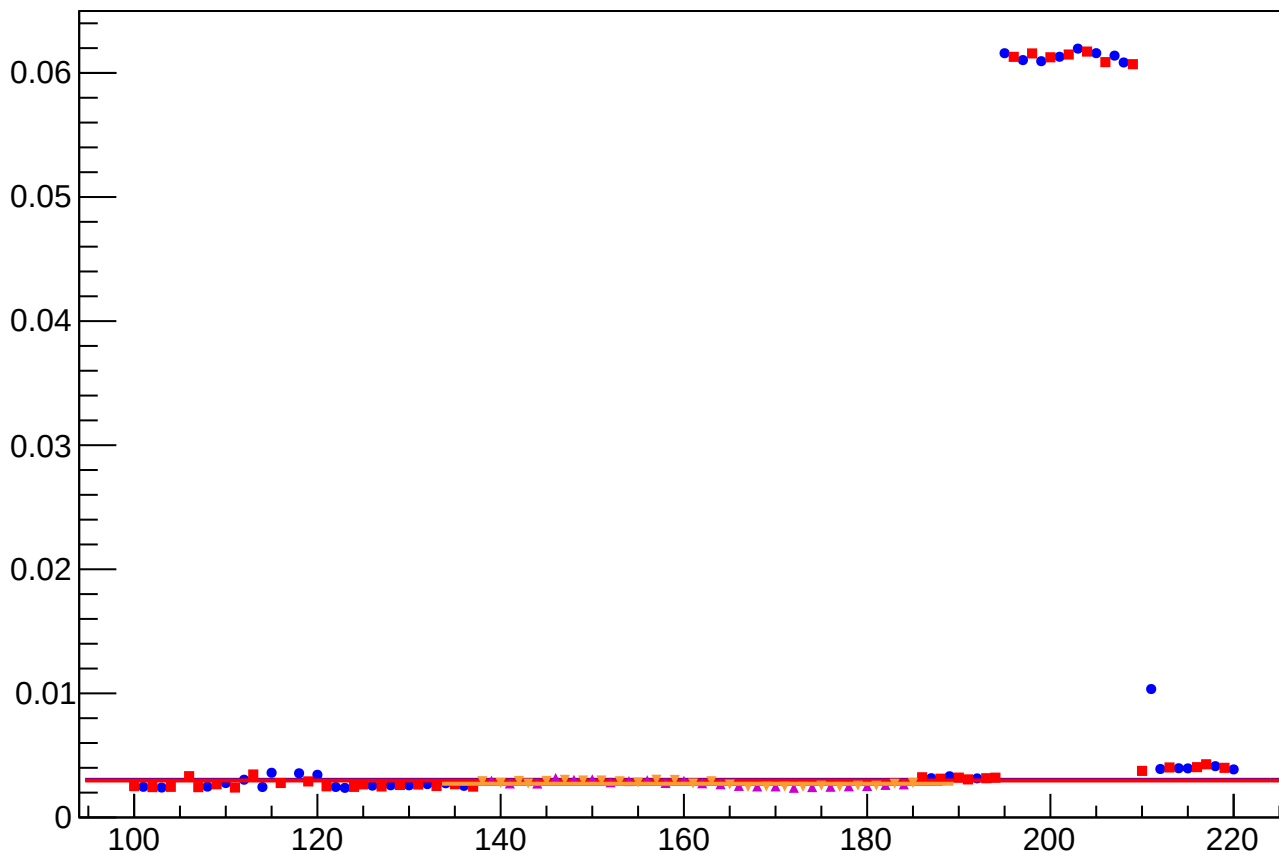
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.773+/-0.000 χ^2/NDF : 620983011704.3/58

All: -1.766+/-0.000 χ^2/NDF : 1196498129696

- sign -1.760+/-0.000 χ^2/NDF : 575166058976.0/59

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 12257021.7/33

Left Out: 0.003+/-0.000 χ^2/NDF : 199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 10478092.9/36

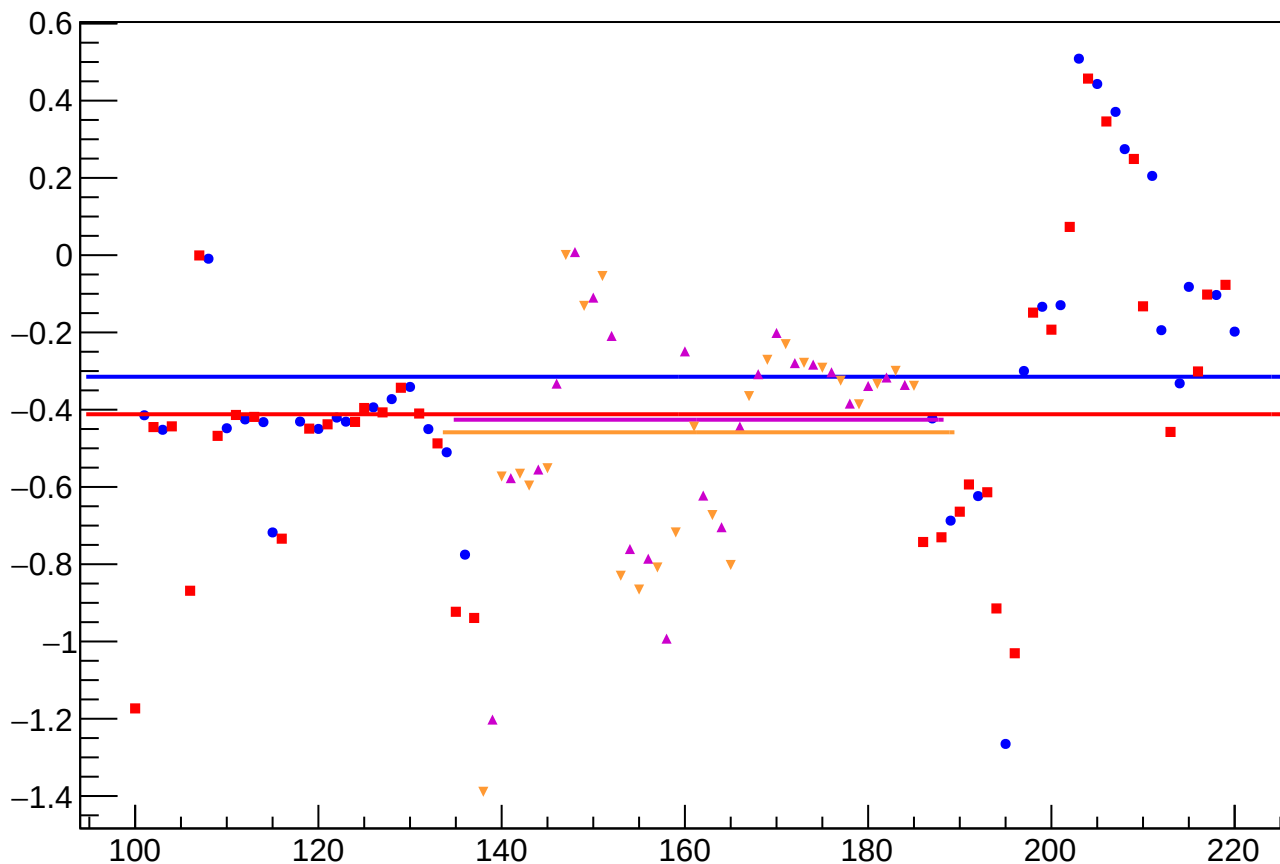
Left In: 0.003+/-0.000 χ^2/NDF : 220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 12620305.0/58

All: 0.003+/-0.000 χ^2/NDF : 23460856.1/118

- sign 0.003+/-0.000 χ^2/NDF : 10839584.6/59

yield_bpm0l07X_mean vs Slug



Right In: -0.315 ± 0.000 $\chi^2/\text{NDF}: 11059735285.8/33$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 9916462814.9/24$

Right Out: -0.412 ± 0.000 $\chi^2/\text{NDF}: 10650195659.7/36$

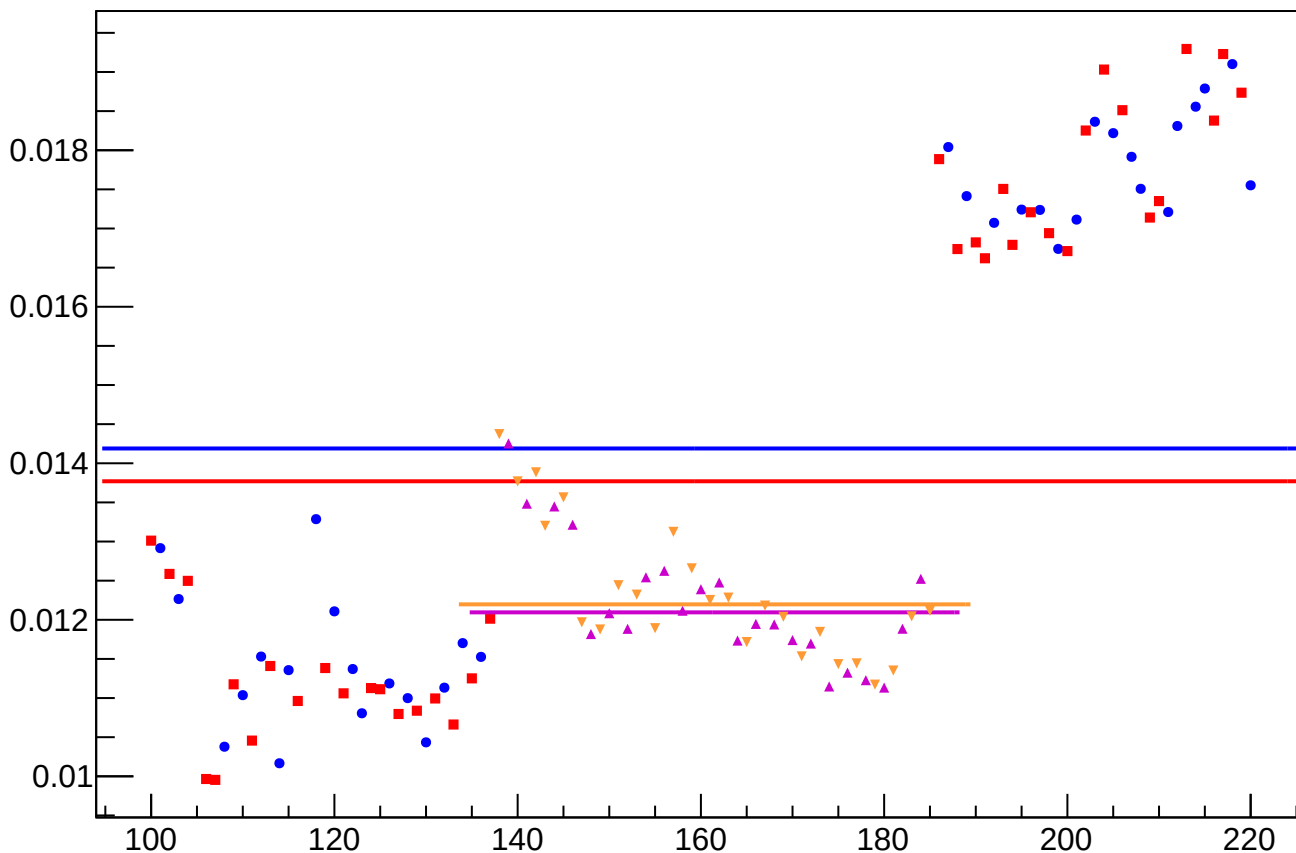
Left In: -0.426 ± 0.000 $\chi^2/\text{NDF}: 8424222576.0/22$

+ sign -0.397 ± 0.000 $\chi^2/\text{NDF}: 22013350753.1/58$

All: -0.409 ± 0.000 $\chi^2/\text{NDF}: 41148563473.6/100$

- sign -0.420 ± 0.000 $\chi^2/\text{NDF}: 19084792008.1/59$

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1775128.9/33

Left Out: 0.012+/-0.000 χ^2/NDF :141850.9/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2084896.5/36

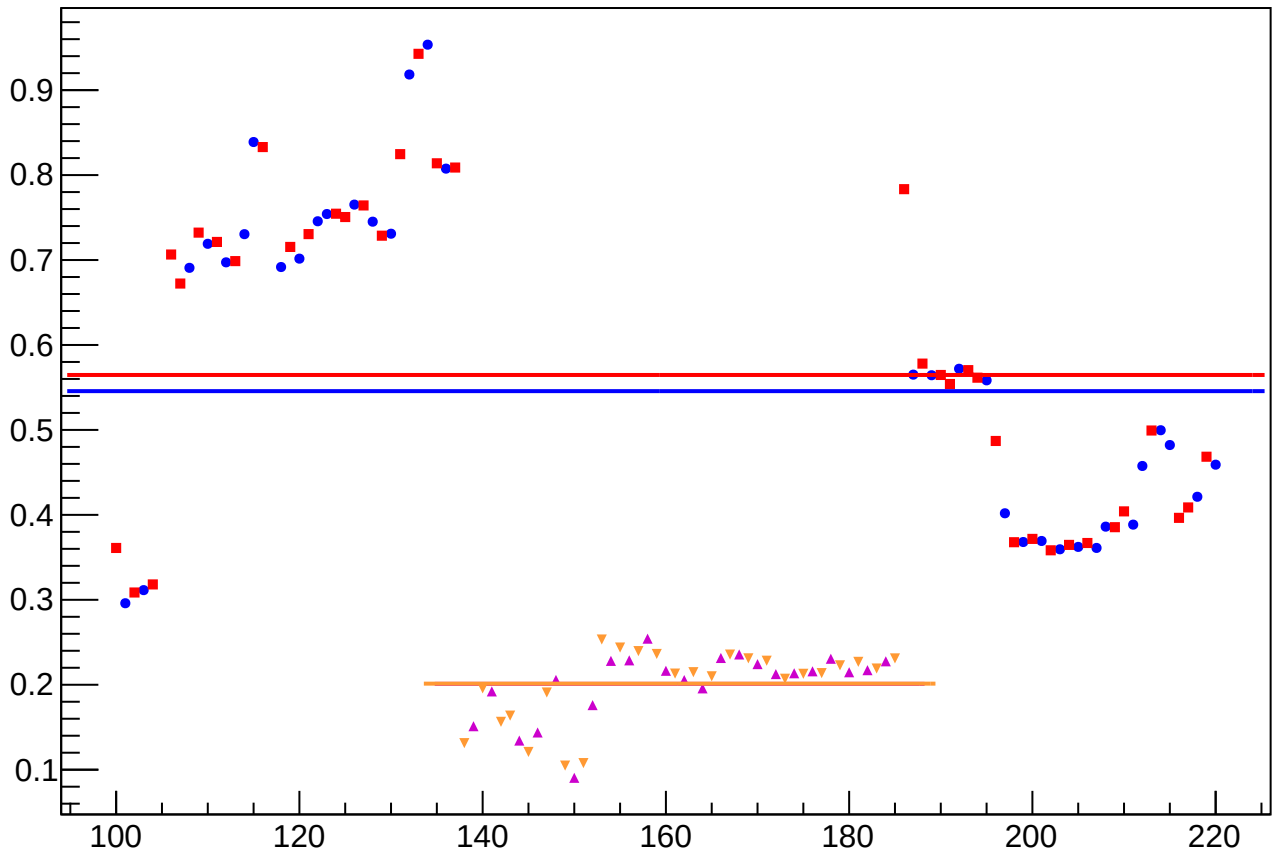
Left In: 0.012+/-0.000 χ^2/NDF :127308.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 2314951.1/58

All: 0.013+/-0.000 χ^2/NDF : 4823806.1/118

- sign 0.013+/-0.000 χ^2/NDF : 2501683.6/59

yield_bpm0l07Y_mean vs Slug



Right In: 0.546 $\pm$ 0.000 χ^2 /NDF: 78242485778.6/33

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.565 $\pm$ 0.000 χ^2 /NDF: 77723971742.5/36

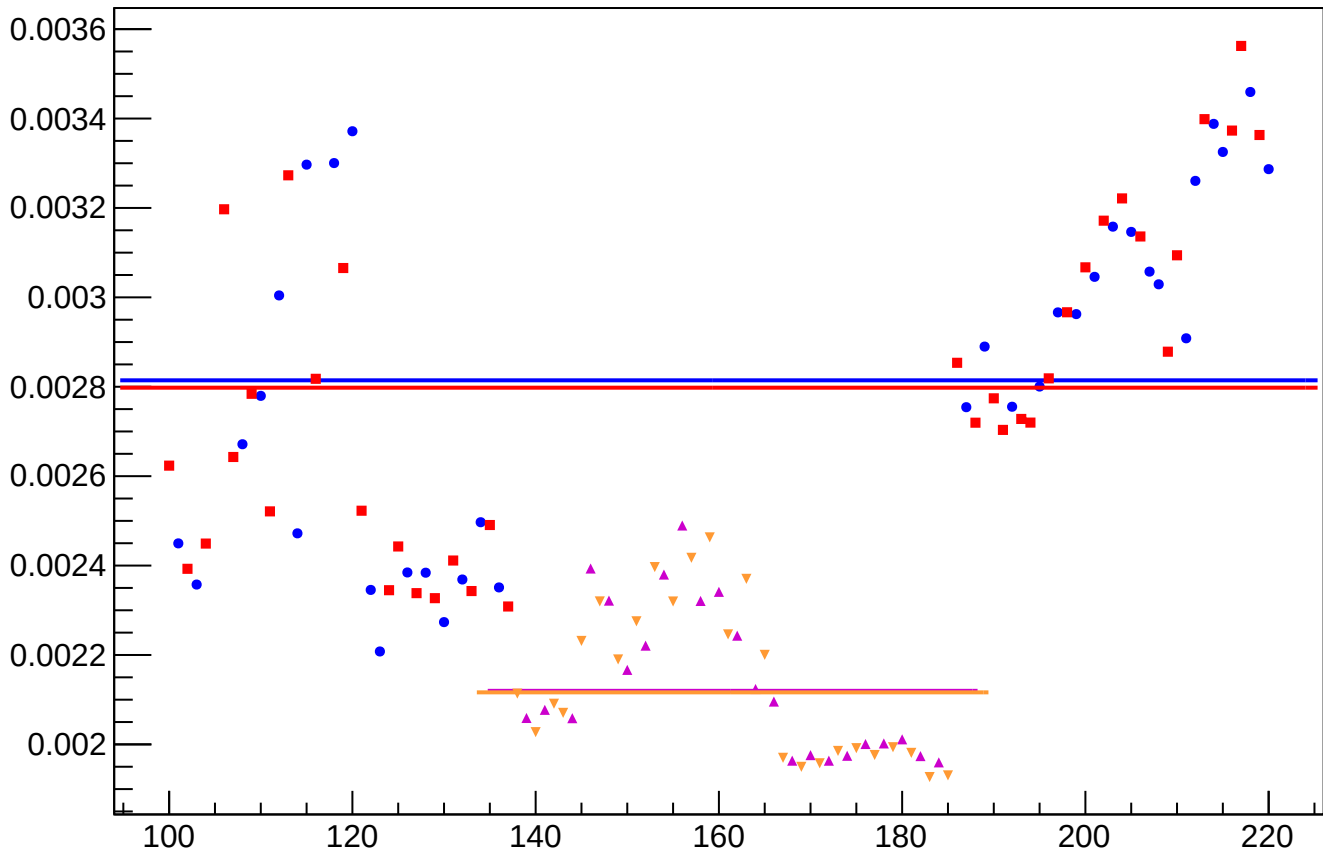
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.326 $\pm$ 0.000 χ^2 /NDF: 258705490328.1/58

All: 0.333 $\pm$ 0.000 χ^2 /NDF: 536095968600.6

- sign 0.341 $\pm$ 0.000 χ^2 /NDF: 276699306788.7/59

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 625800.4/33

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:224498.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 565959.4/36

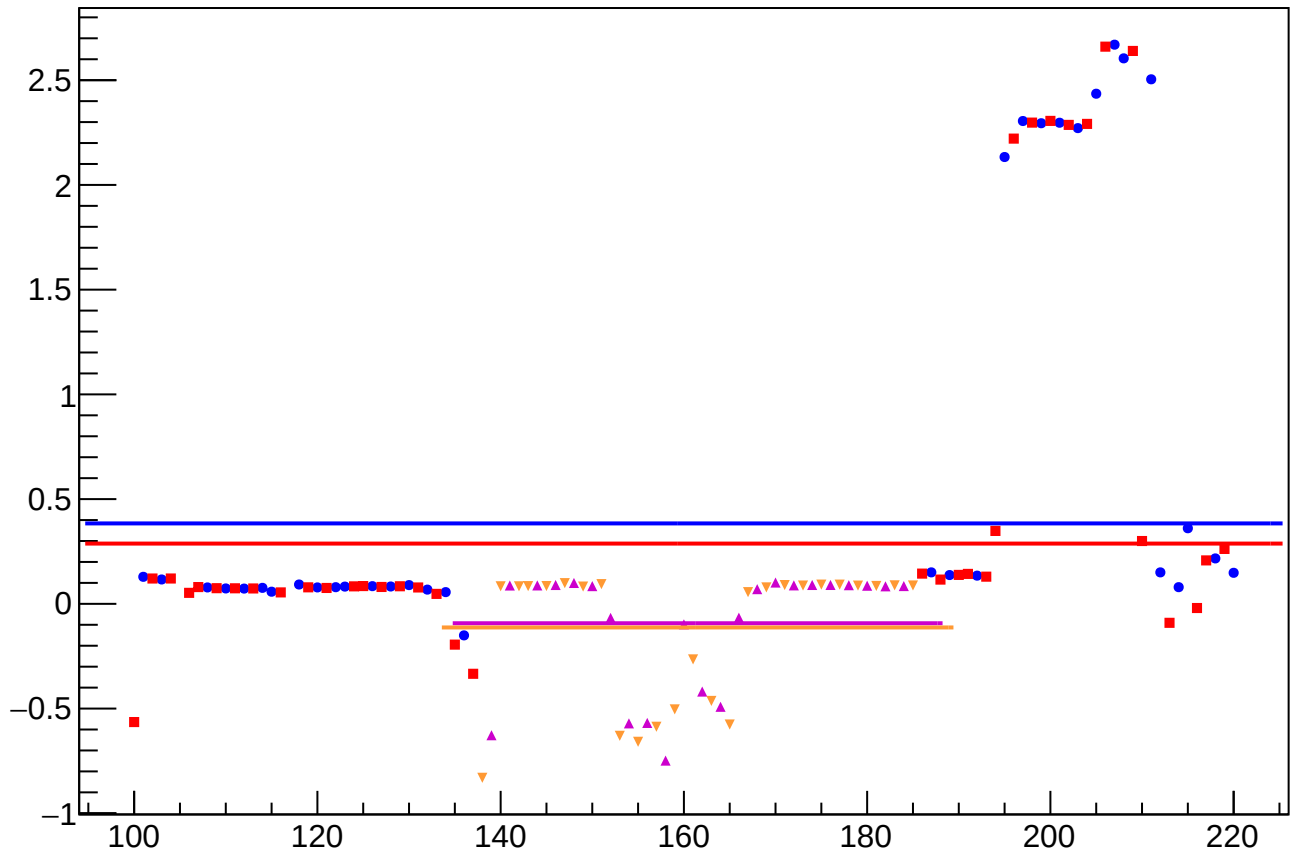
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:189228.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2275141.2/58

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 4375678.1/118

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2099718.1/59

yield_bpm0l08X_mean vs Slug



Right In: 0.384+/-0.000 χ^2/NDF : 61633904890.2/33

Left Out: -0.113+/-0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.288+/-0.000 χ^2/NDF : 52423515713.0/36

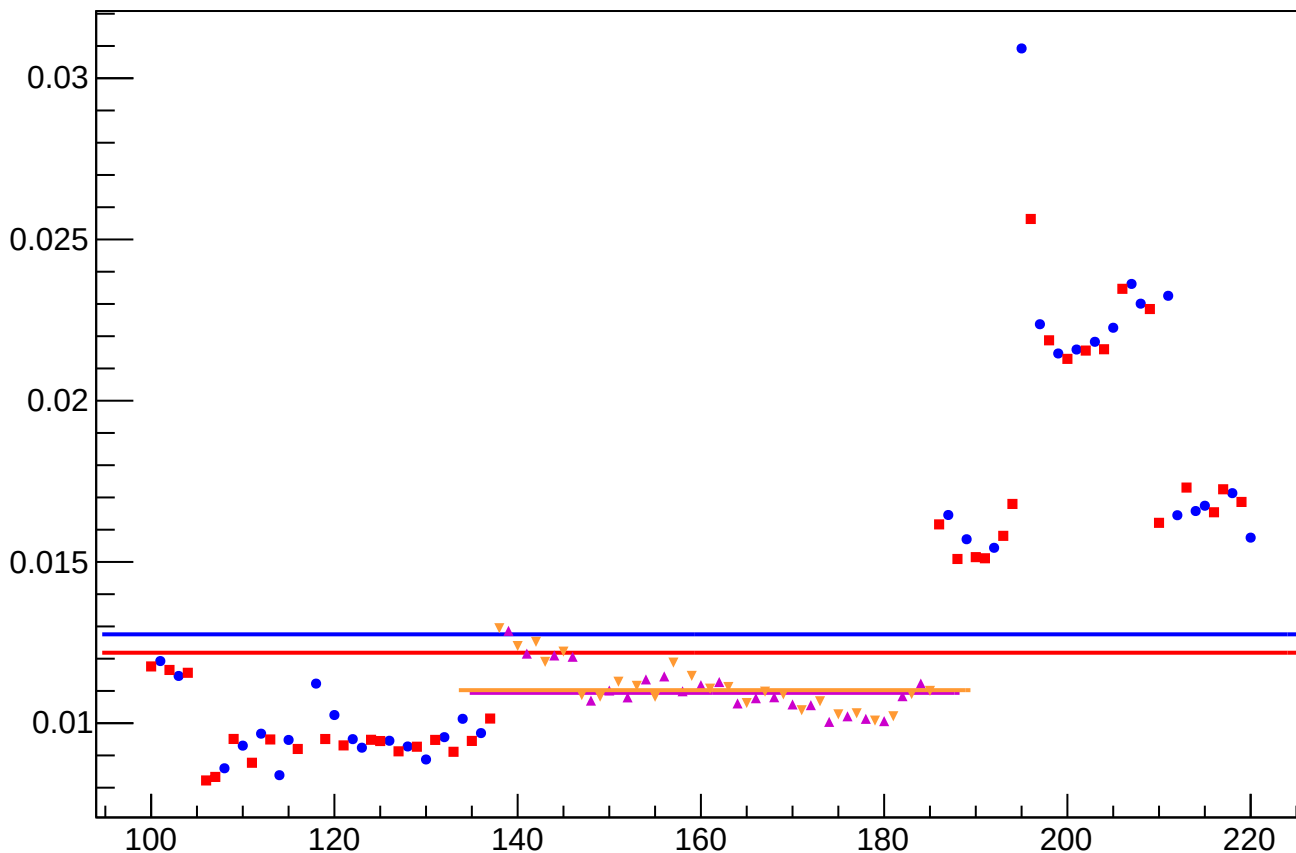
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign 0.090+/-0.000 χ^2/NDF : 89877745880.6/58

All: 0.084+/-0.000 χ^2/NDF : 162390510557.0

- sign 0.078+/-0.000 χ^2/NDF : 72496194992.5/59

yield_bpm0l08X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 4632228.9/33

Left Out: 0.011+/-0.000 χ^2/NDF :141501.7/24

Right Out: 0.012+/-0.000 χ^2/NDF : 4404792.0/36

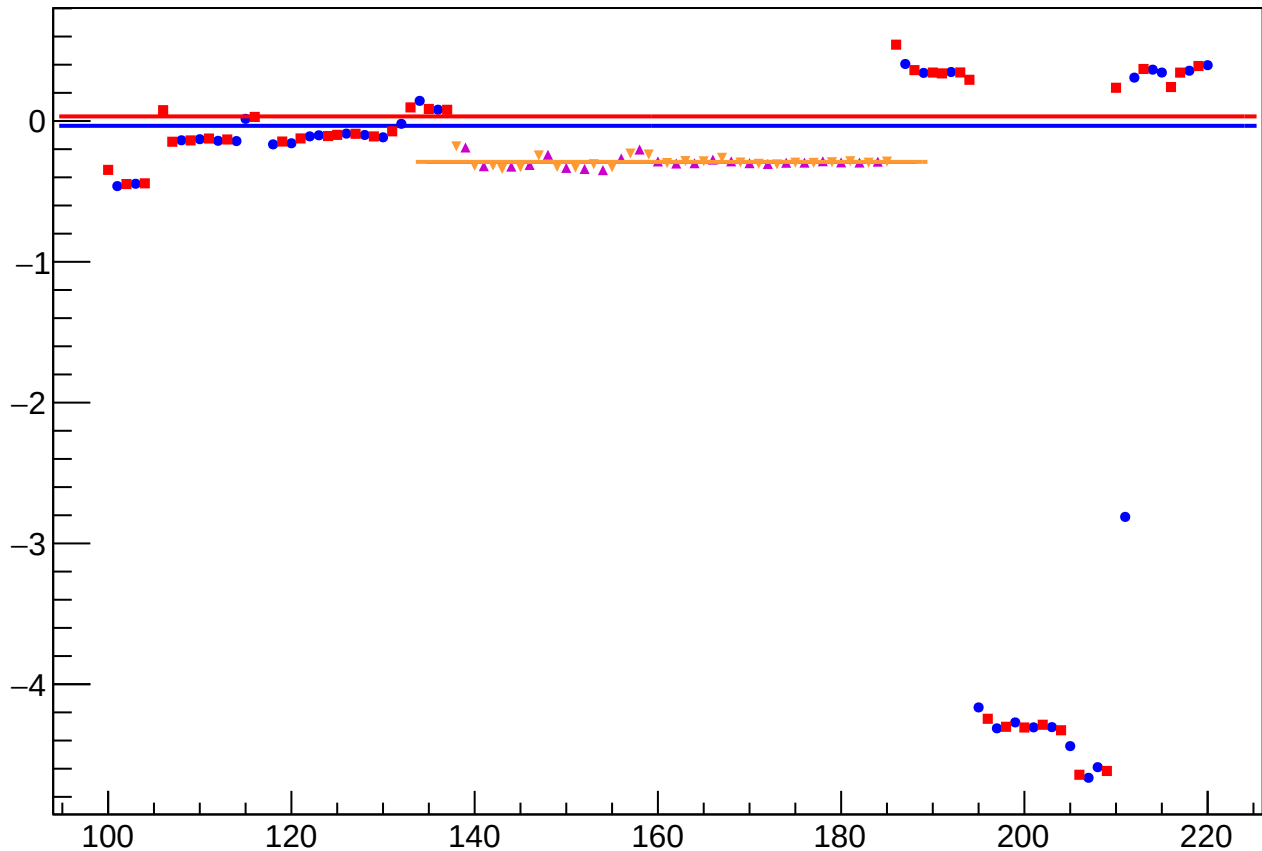
Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

+ sign 0.012+/-0.000 χ^2/NDF : 5127911.4/58

All: 0.012+/-0.000 χ^2/NDF : 9867894.8/118

- sign 0.011+/-0.000 χ^2/NDF : 4726830.3/59

yield_bpm0l08Y_mean vs Slug



Right In: -0.034 ± 0.000 χ^2/NDF : 406603193114.9/33

Left Out: -0.290 ± 0.000 χ^2/NDF : 2877519093.0/24

Right Out: 0.033 ± 0.000 χ^2/NDF : 356864128232.7/36

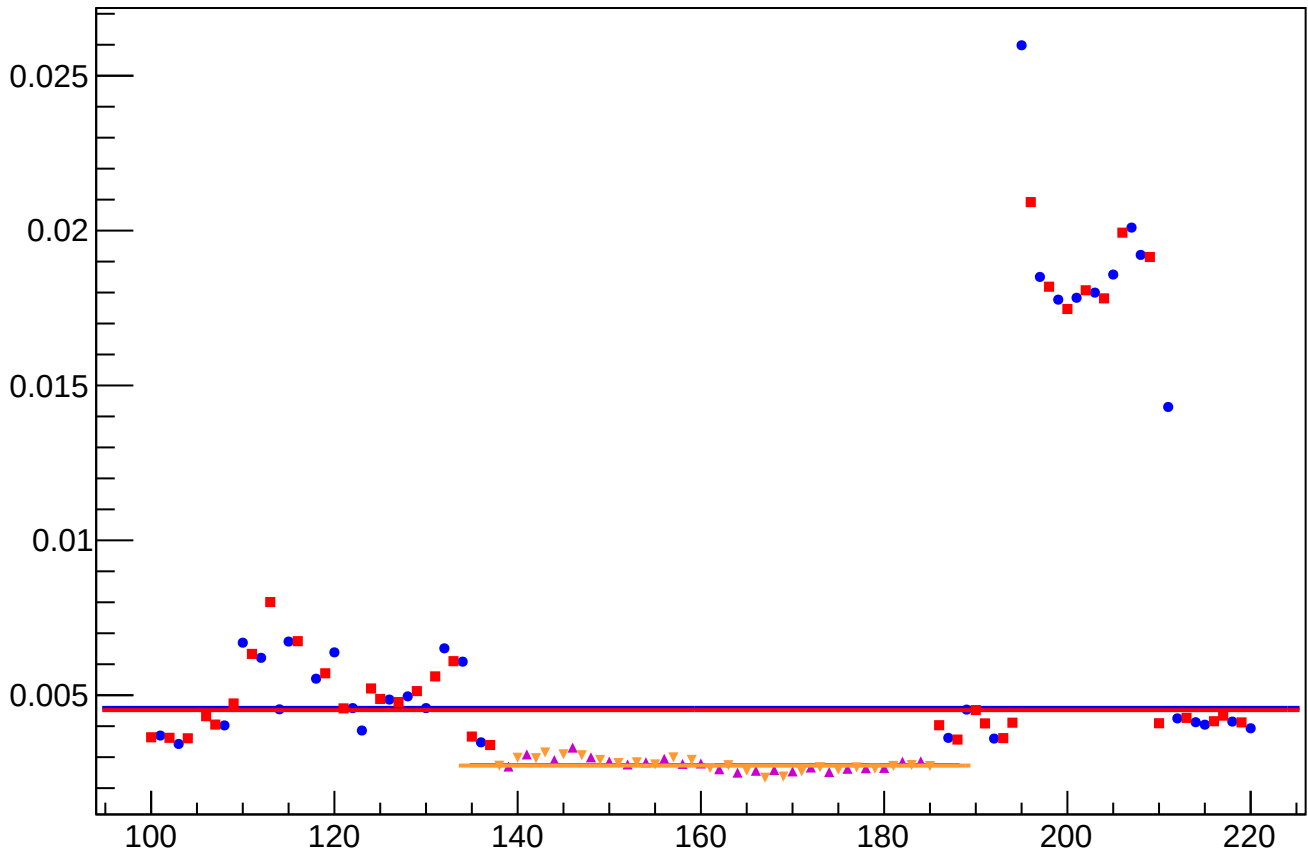
Left In: -0.291 ± 0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.235 ± 0.000 χ^2/NDF : 442764049159.2/58

All: -0.223 ± 0.000 χ^2/NDF : 860927235336.3

- sign -0.211 ± 0.000 χ^2/NDF : 417266709491.4/59

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 8651826.9/33

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 6993907.2/36

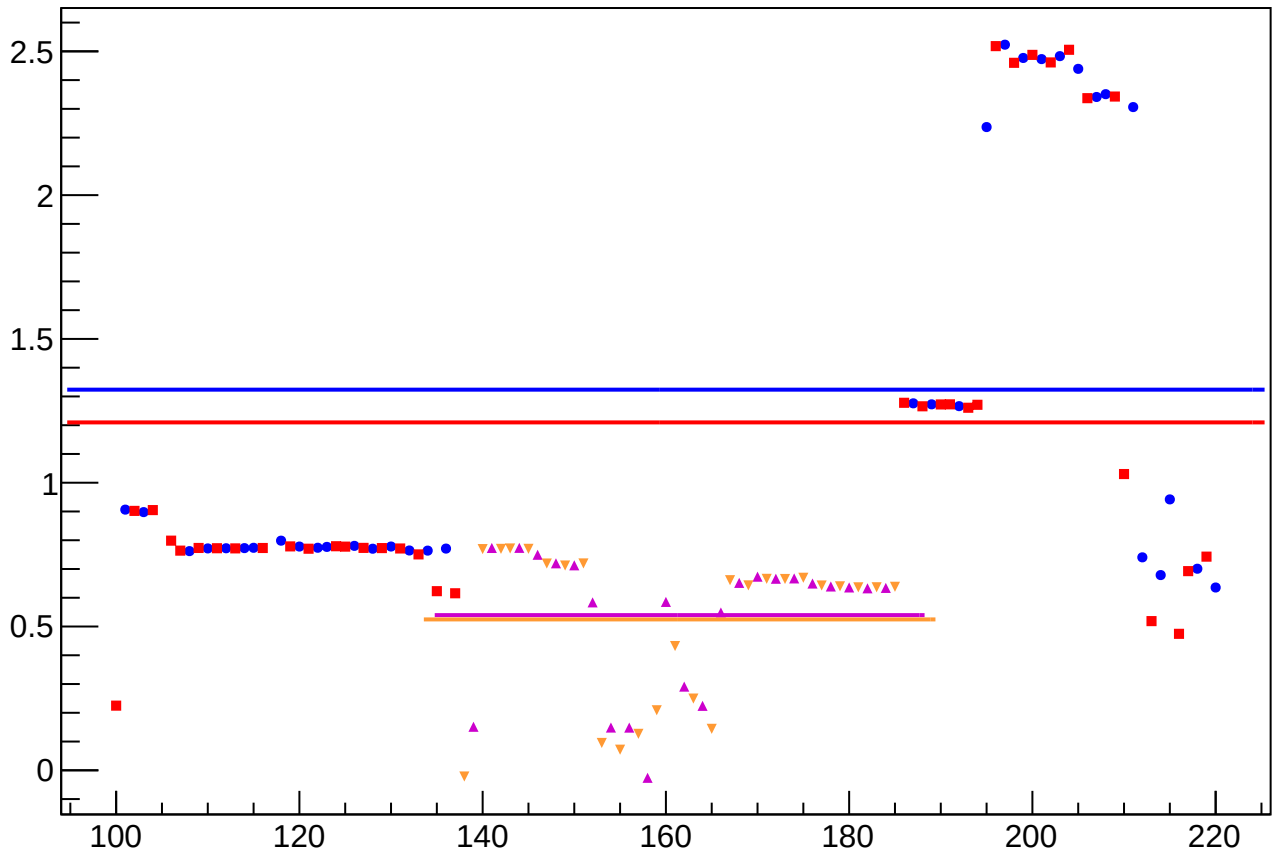
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 12379863.9/58

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 22976178.1/118

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10587544.4/59

yield_bpm0l09X_mean vs Slug



Right In: 1.324+/-0.000 χ^2/NDF : 62119555495.2/33

Left Out: 0.525+/-0.000 χ^2/NDF : 9623503169.9/24

+ sign 0.858+/-0.000 χ^2/NDF : 112378260328.5/58

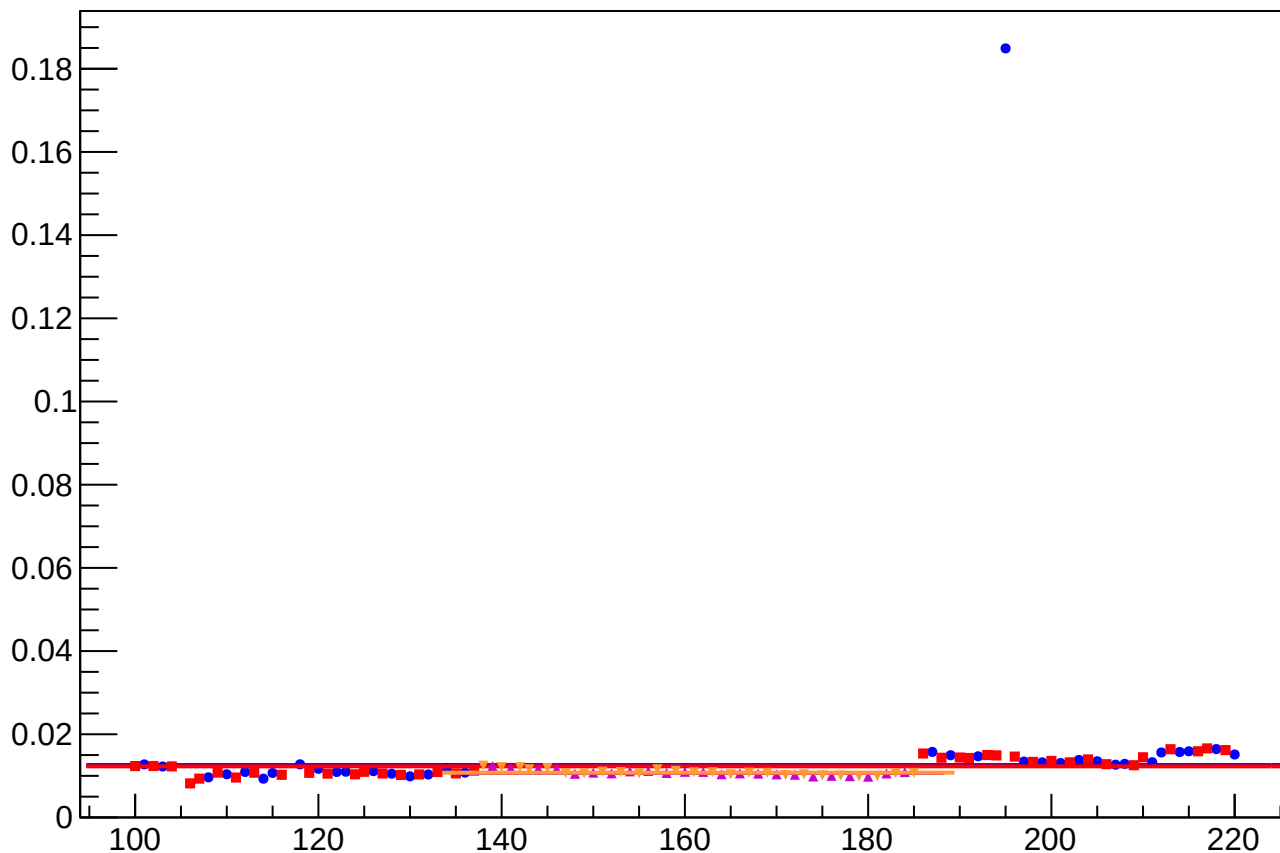
Right Out: 1.210+/-0.000 χ^2/NDF : 57548000355.3/36

All: 0.849+/-0.000 χ^2/NDF : 207180338371.6

Left In: 0.540+/-0.000 χ^2/NDF : 7860539135.5/22

- sign 0.840+/-0.000 χ^2/NDF : 94757262523.2/59

yield_bpm0l09X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2250985.5/33

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 1145263.0/36

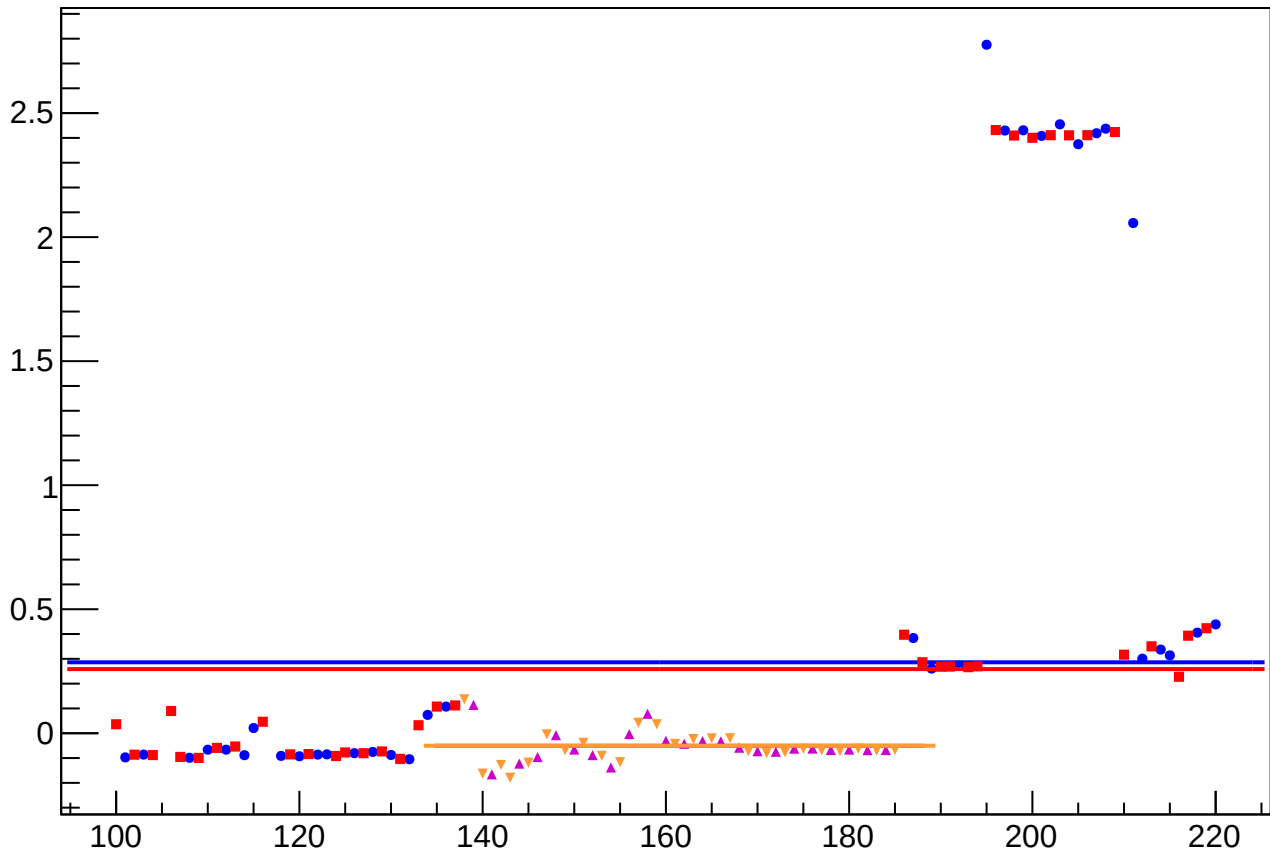
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2803647.5/58

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4405406.8/118

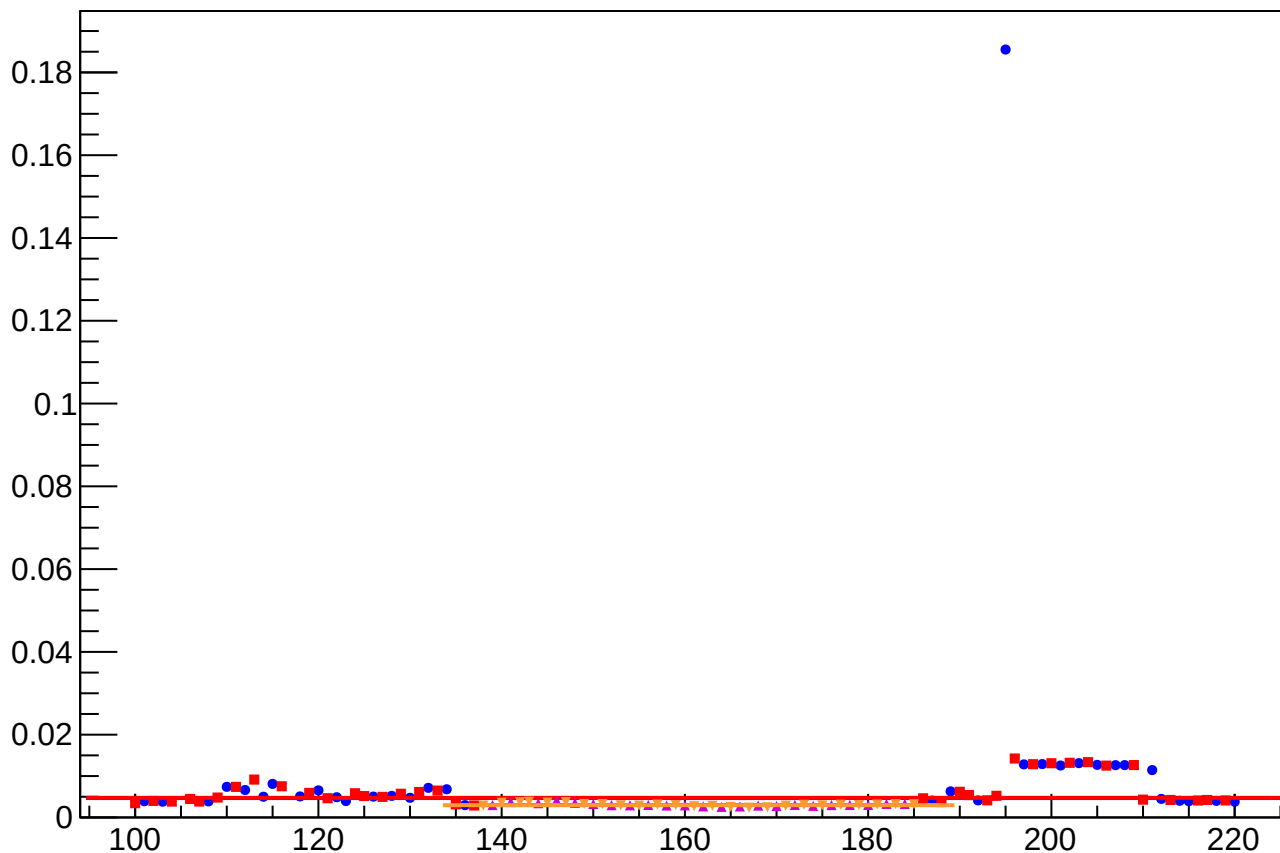
- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1597870.2/59

yield_bpm0l09Y_mean vs Slug



Right In: 0.286 $\pm$ 0.000	χ^2 /NDF: 198215251097.4/33	+ sign 0.032 $\pm$ 0.000	χ^2 /NDF: 259519560975.0/58
Left Out: -0.050 $\pm$ 0.000	χ^2 /NDF: 7271496478.6/24	All: 0.033 $\pm$ 0.000	χ^2 /NDF: 474428688218.2
Right Out: 0.259 $\pm$ 0.000	χ^2 /NDF: 162517921756.7/36	- sign 0.033 $\pm$ 0.000	χ^2 /NDF: 214907915191.7/59
Left In: -0.051 $\pm$ 0.000	χ^2 /NDF: 6128769990.8/22		

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 7599432.2/33

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 5261990.6/36

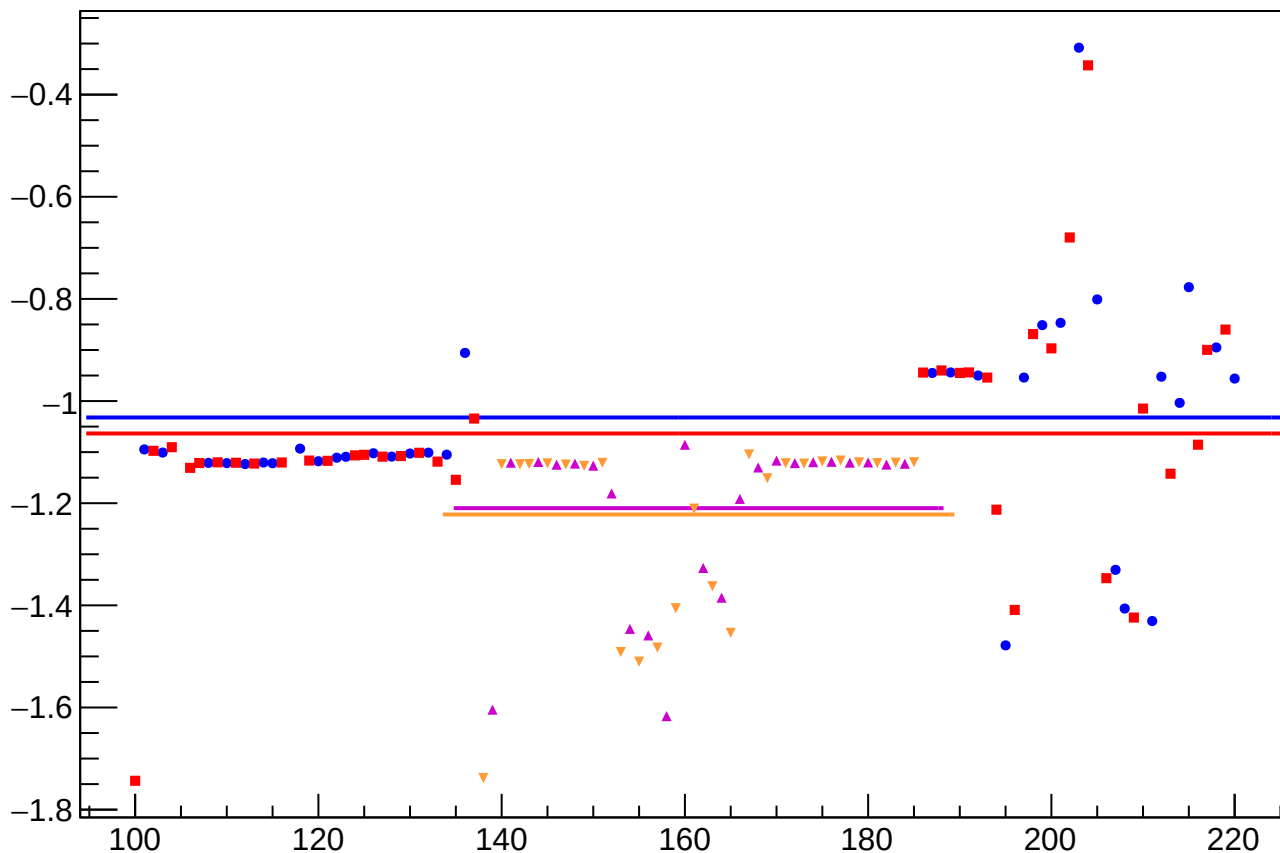
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 10924399.3/58

All: 0.003+/-0.000 χ^2/NDF : 19425801.1/118

- sign 0.003+/-0.000 χ^2/NDF : 8482677.5/59

yield_bpm0l10X_mean vs Slug



Right In: -1.032+/-0.000 χ^2/NDF : 5968713006.2/33

Left Out: -1.222+/-0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.063+/-0.000 χ^2/NDF : 4915432608.4/36

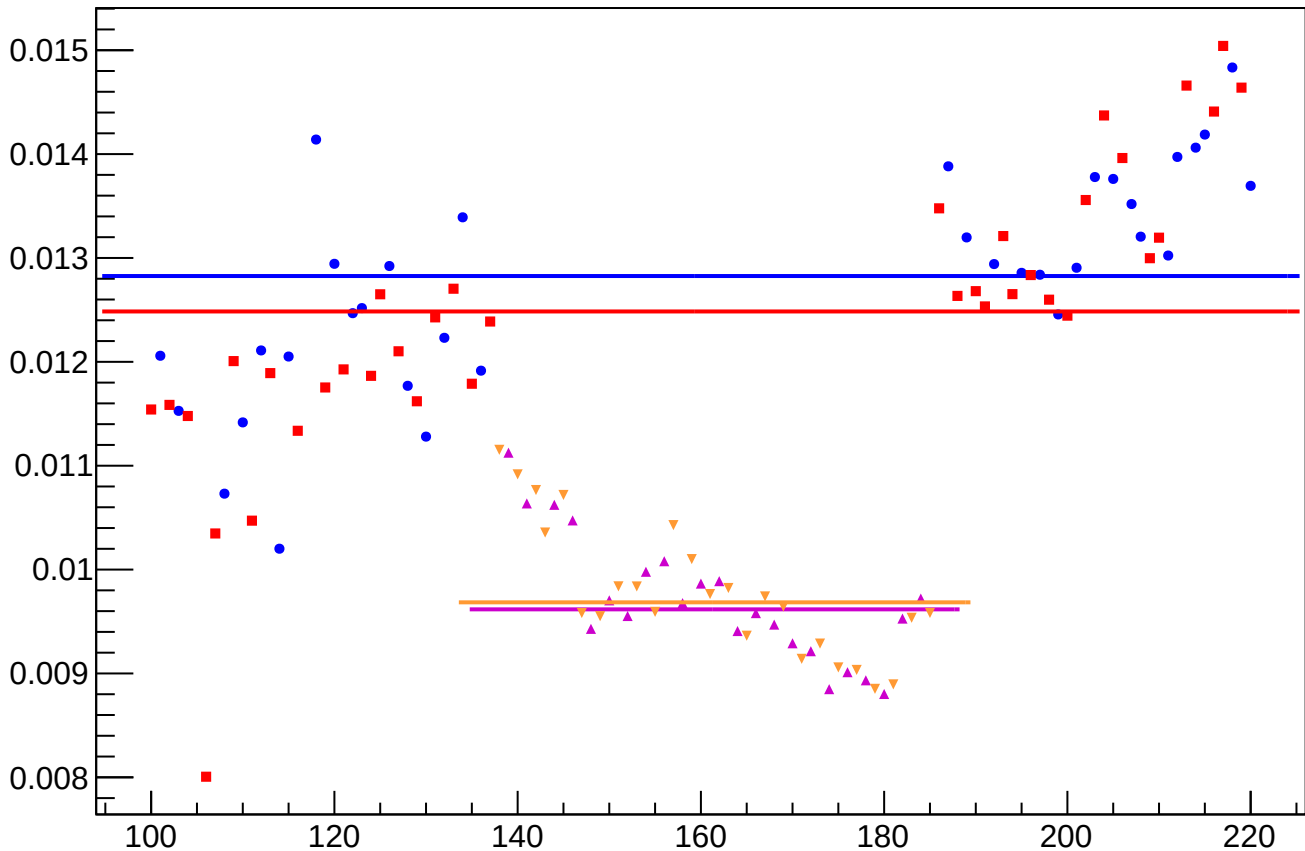
Left In: -1.210+/-0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.152+/-0.000 χ^2/NDF : 13777712154.1/58

All: -1.152+/-0.000 χ^2/NDF : 24740095626.4/116

- sign -1.151+/-0.000 χ^2/NDF : 10962356550.5/59

yield_bpm0l10X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 214371.7/33

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 478546.3/36

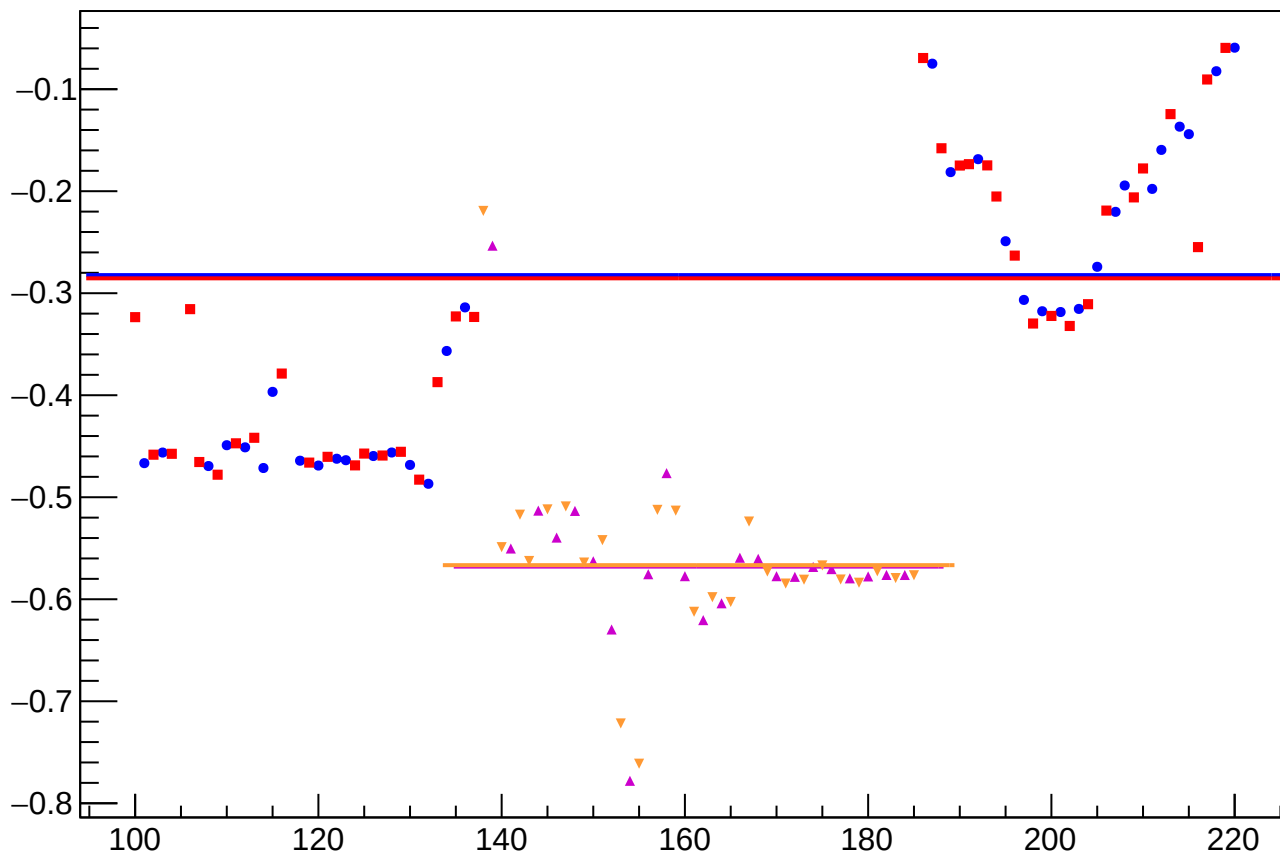
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 119823.1/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 1732798.6/58

All: 0.011 $\pm$ 0.000 χ^2/NDF : 3521878.5/118

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 1786798.8/59

yield_bpm0l10Y_mean vs Slug



Right In: -0.282+/-0.000 χ^2 /NDF: 19864951353.1/33

Left Out: -0.567+/-0.000 χ^2 /NDF:13368458519.3/24

Right Out: -0.285+/-0.000 χ^2 /NDF: 19240969677.3/36

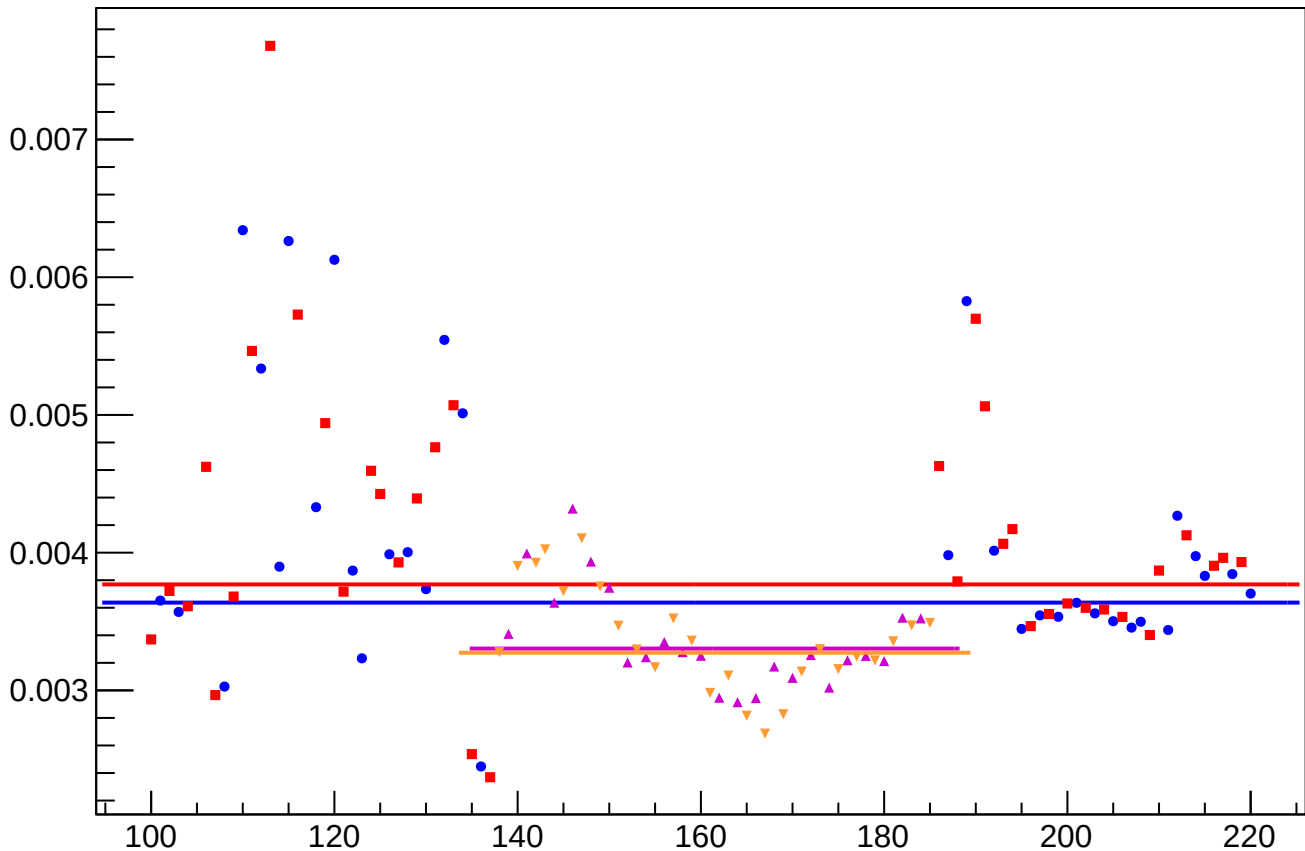
Left In: -0.568+/-0.000 χ^2 /NDF:10458990019.9/22

+ sign -0.439+/-0.000 χ^2 /NDF: 91283444963.7/58

All: -0.439+/-0.000 χ^2 /NDF: 174921816178.8

- sign -0.439+/-0.000 χ^2 /NDF: 83638310173.2/59

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1057708.2/33

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1107898.0/36

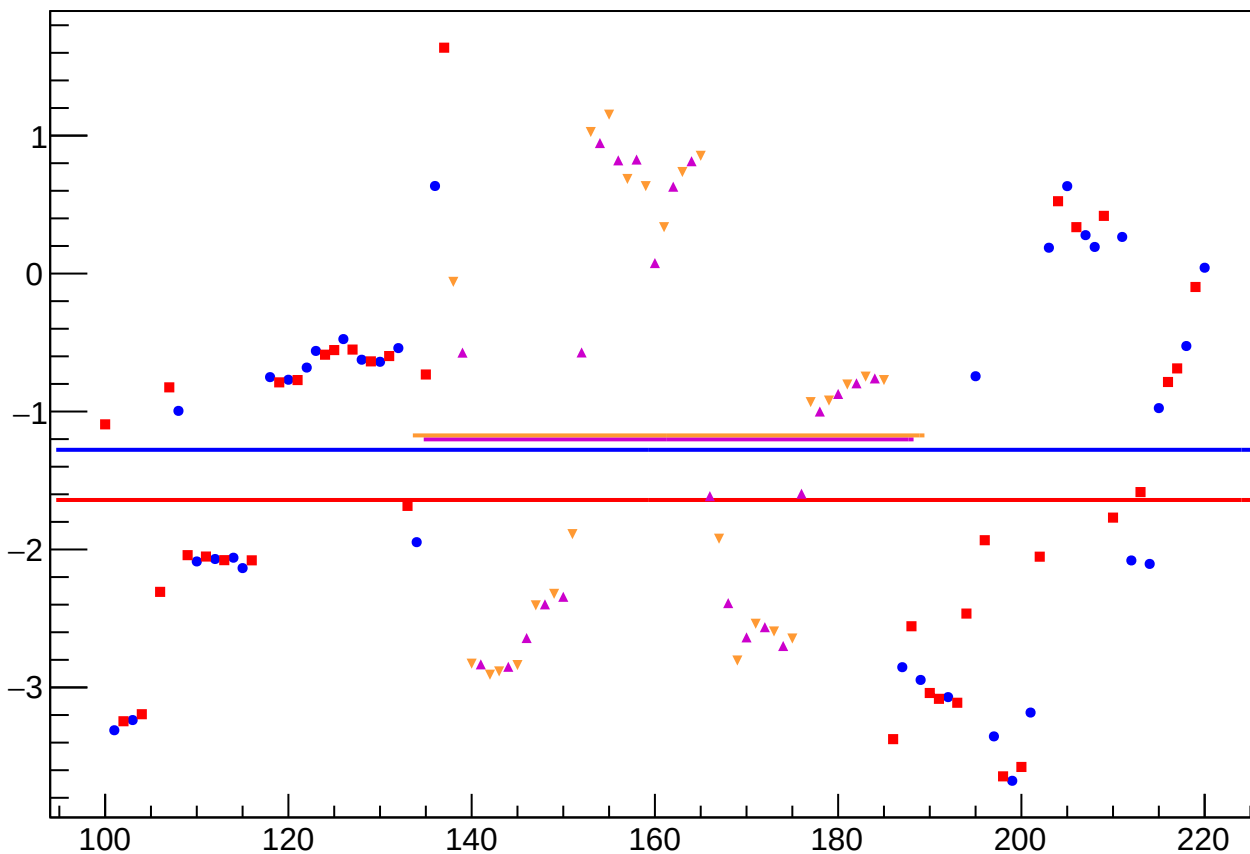
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1642774.7/58

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3347710.6/118

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1686992.3/59

yield_bpm0r03X_mean vs Slug



Right In: -1.278 ± 0.000 χ^2/NDF : 6512102362.2/33

Left Out: -1.173 ± 0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.641 ± 0.000 χ^2/NDF : 5673259406.2/36

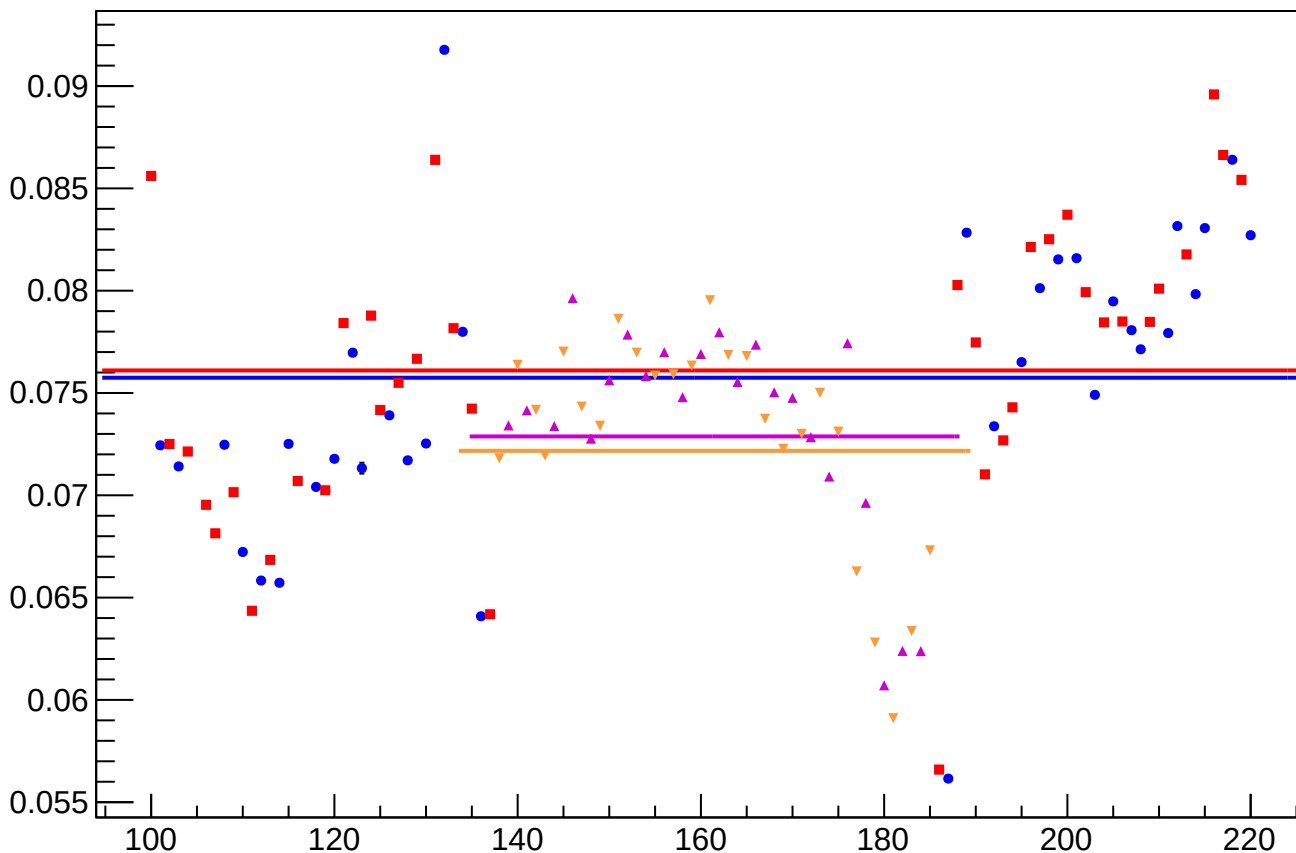
Left In: -1.202 ± 0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.224 ± 0.000 χ^2/NDF : 13413044789.3/58

All: -1.323 ± 0.000 χ^2/NDF : 25141425075.7/100

- sign -1.425 ± 0.000 χ^2/NDF : 11593907952.1/59

yield_bpm0r03X_rms vs Slug



Right In: 0.076 $\pm$ 0.000 χ^2 /NDF: 269362.7/33

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:222263.8/24

Right Out: 0.076 $\pm$ 0.000 χ^2 /NDF: 330237.6/36

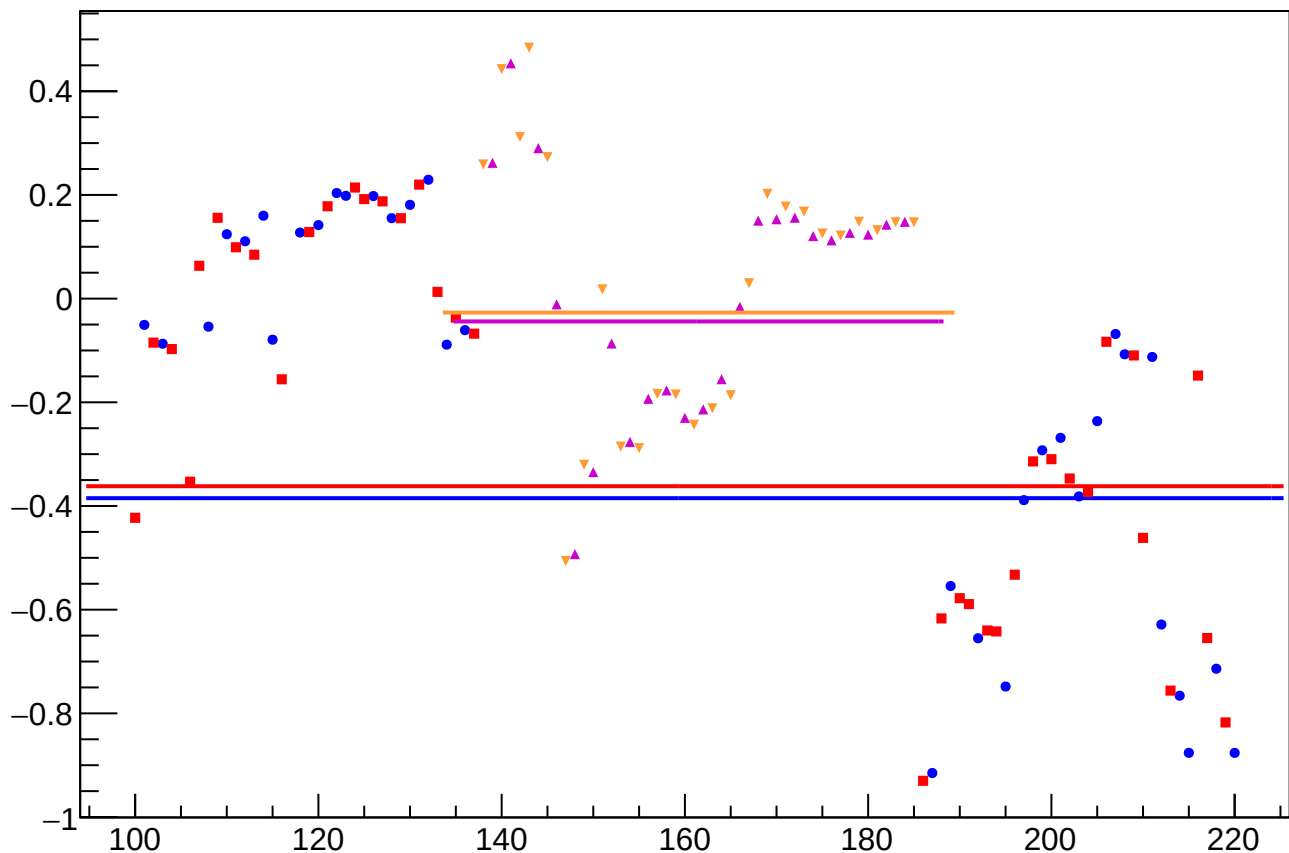
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 534454.7/58

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 1084512.9/118

- sign 0.075 $\pm$ 0.000 χ^2 /NDF: 547542.6/59

yield_bpm0r03Y_mean vs Slug



Right In: -0.385+/-0.000 χ^2/NDF : 29388450753.4/33

Left Out: -0.027+/-0.000 χ^2/NDF : 20376761328.6/24

Right Out: -0.362+/-0.000 χ^2/NDF : 20006823162.2/36

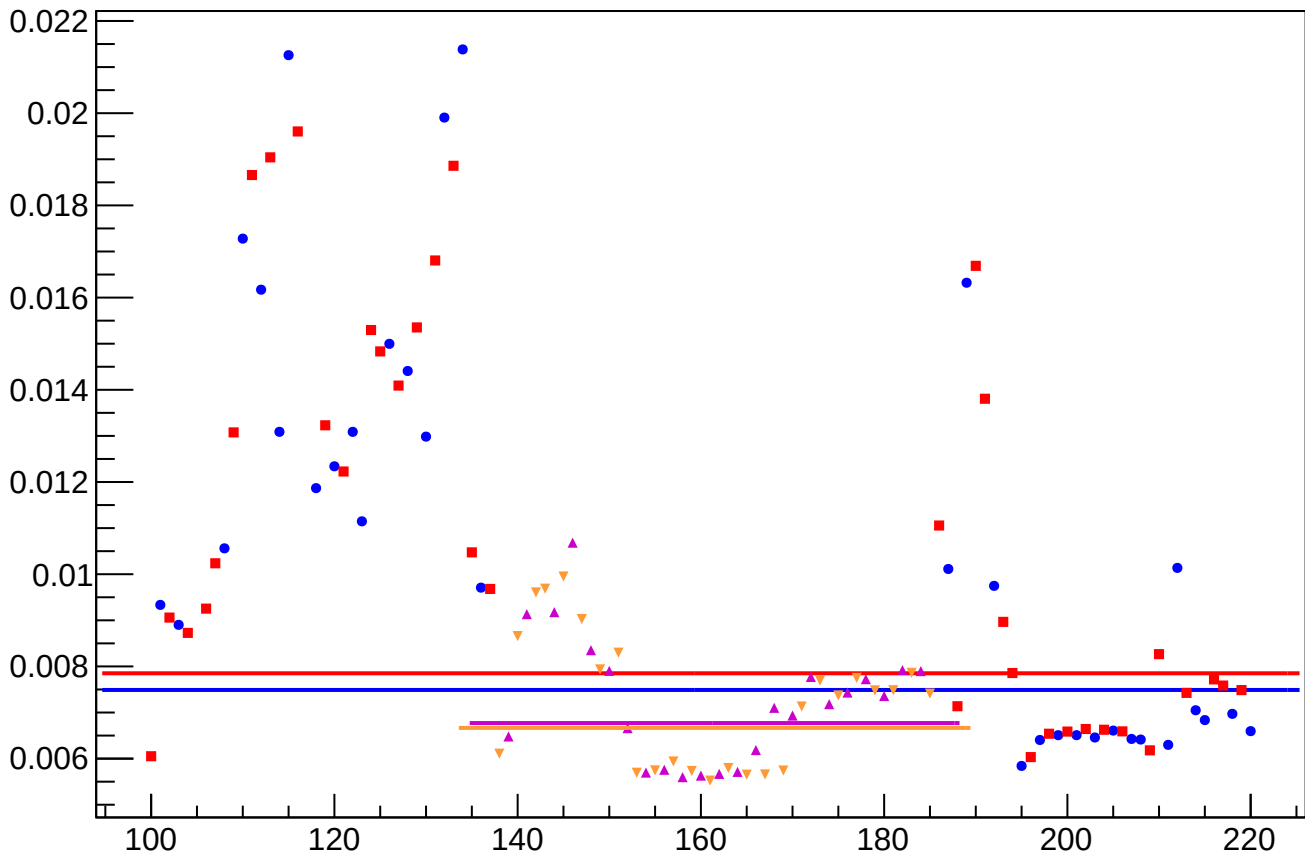
Left In: -0.044+/-0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.183+/-0.000 χ^2/NDF : 70940537338.5/58

All: -0.183+/-0.000 χ^2/NDF : 121855613576.4

- sign -0.183+/-0.000 χ^2/NDF : 50914847843.6/59

yield_bpm0r03Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 3004271.1/33

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3086266.1/36

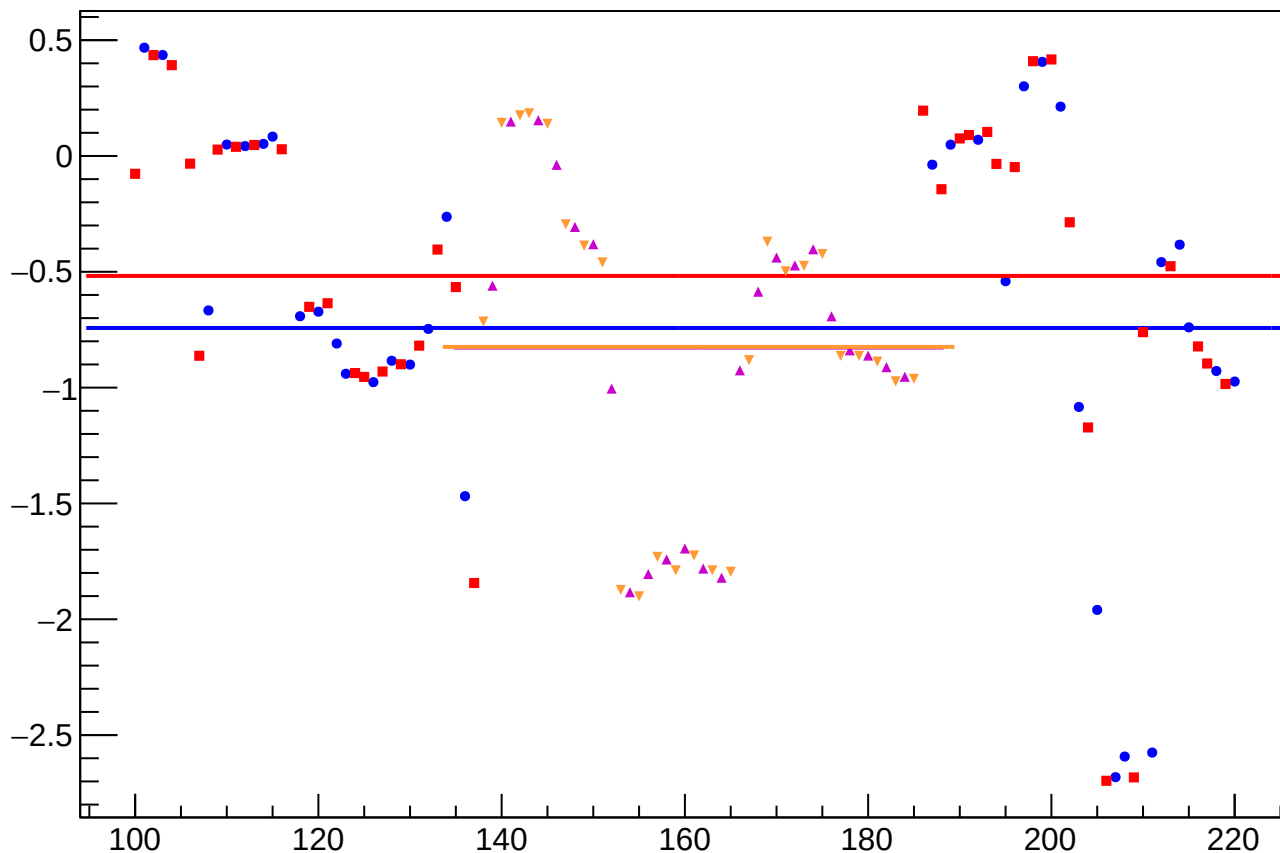
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4372005.6/58

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8772833.9/118

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4370913.4/59

yield_bpm0r05X_mean vs Slug



Right In: -0.742+/-0.000 χ^2 /NDF: 1774057110.7/33

Left Out: -0.824+/-0.000 χ^2 /NDF: 1103610806.5/24

Right Out: -0.518+/-0.000 χ^2 /NDF: 1510294641.3/36

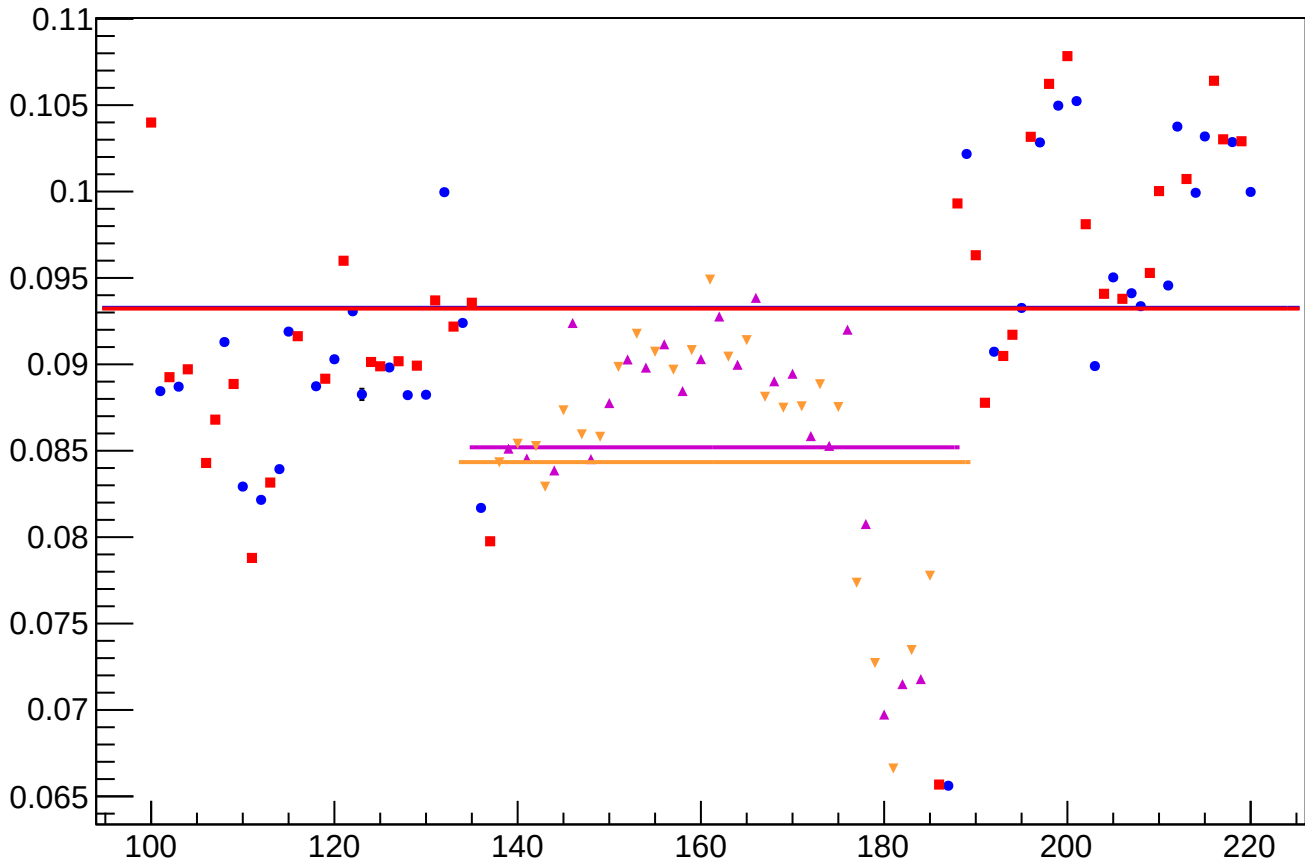
Left In: -0.827+/-0.000 χ^2 /NDF: 921651117.3/22

+ sign -0.787+/-0.000 χ^2 /NDF: 2885498573.8/58

All: -0.733+/-0.000 χ^2 /NDF: 5454858700.2/1

- sign -0.677+/-0.000 χ^2 /NDF: 2541304953.2/59

yield_bpm0r05X_rms vs Slug



Right In: 0.093 $\pm$ 0.000 χ^2 /NDF: 259953.9/33

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 358092.0/36

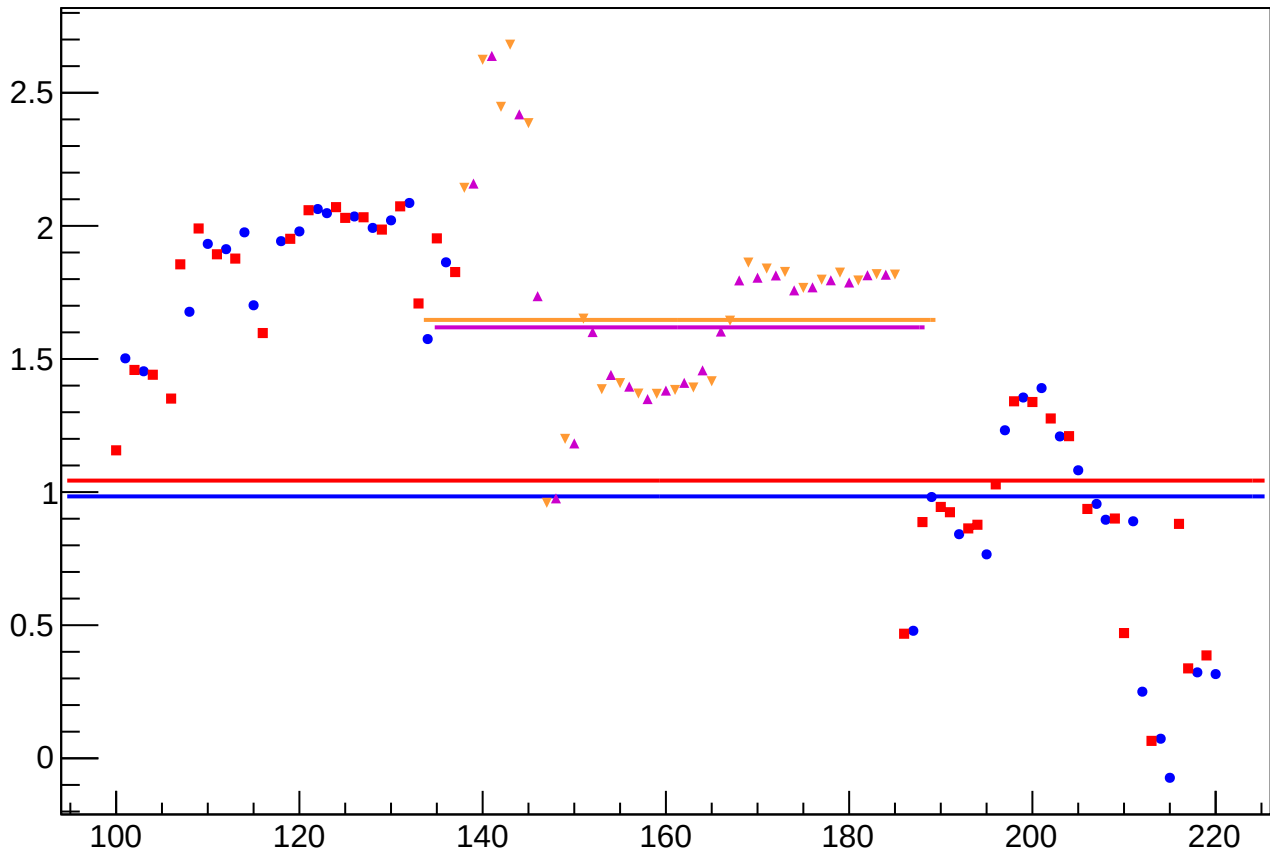
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 734900.1/58

All: 0.089 $\pm$ 0.000 χ^2 /NDF: 1480824.8/118

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 743894.9/59

yield_bpm0r05Y_mean vs Slug



Right In: 0.984 $\pm$ 0.000 χ^2 /NDF: 44884521999.6/33

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.043 $\pm$ 0.000 χ^2 /NDF: 30991728567.5/36

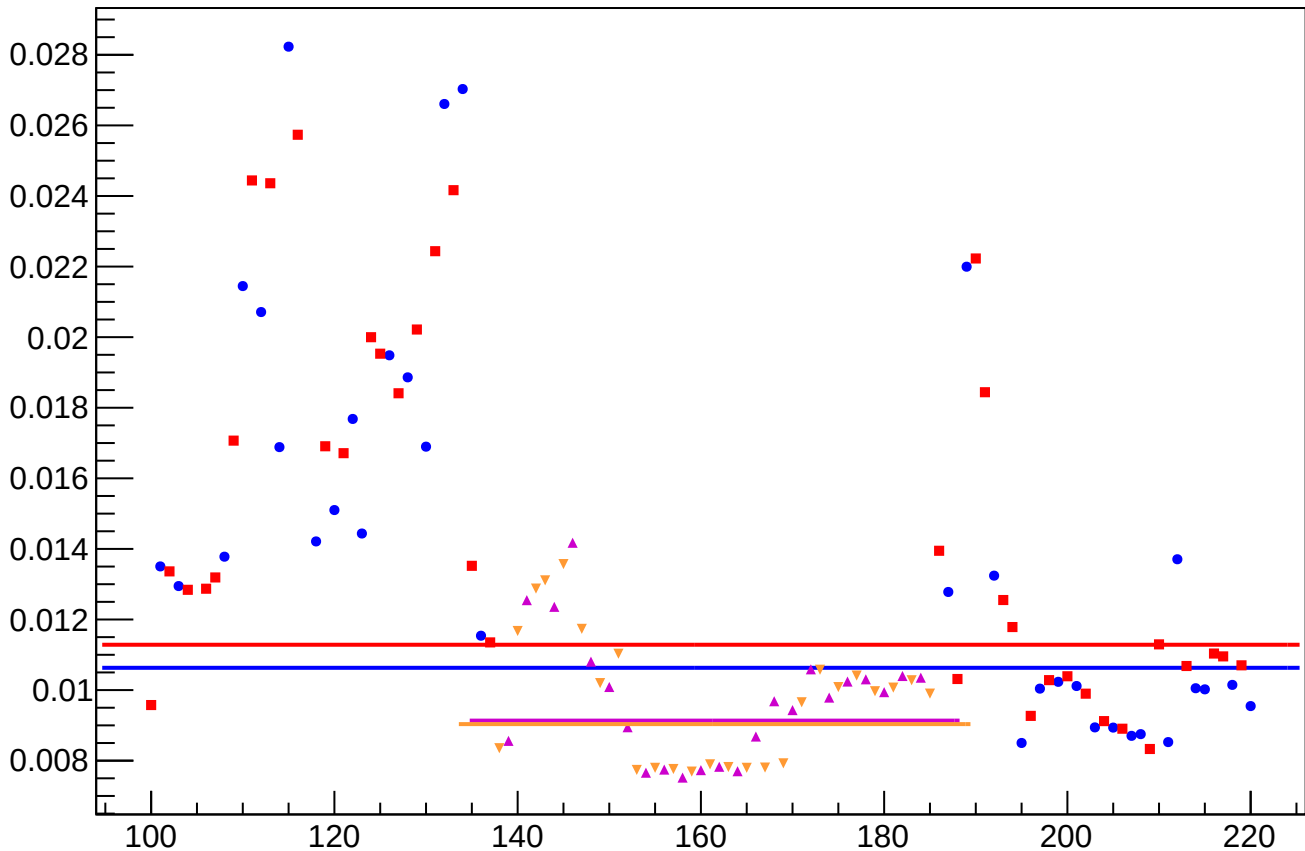
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.371 $\pm$ 0.000 χ^2 /NDF: 109451907737.6/58

All: 1.377 $\pm$ 0.000 χ^2 /NDF: 186956053429.7

- sign 1.384 $\pm$ 0.000 χ^2 /NDF: 77475738726.3/59

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2452669.9/33

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2537173.1/36

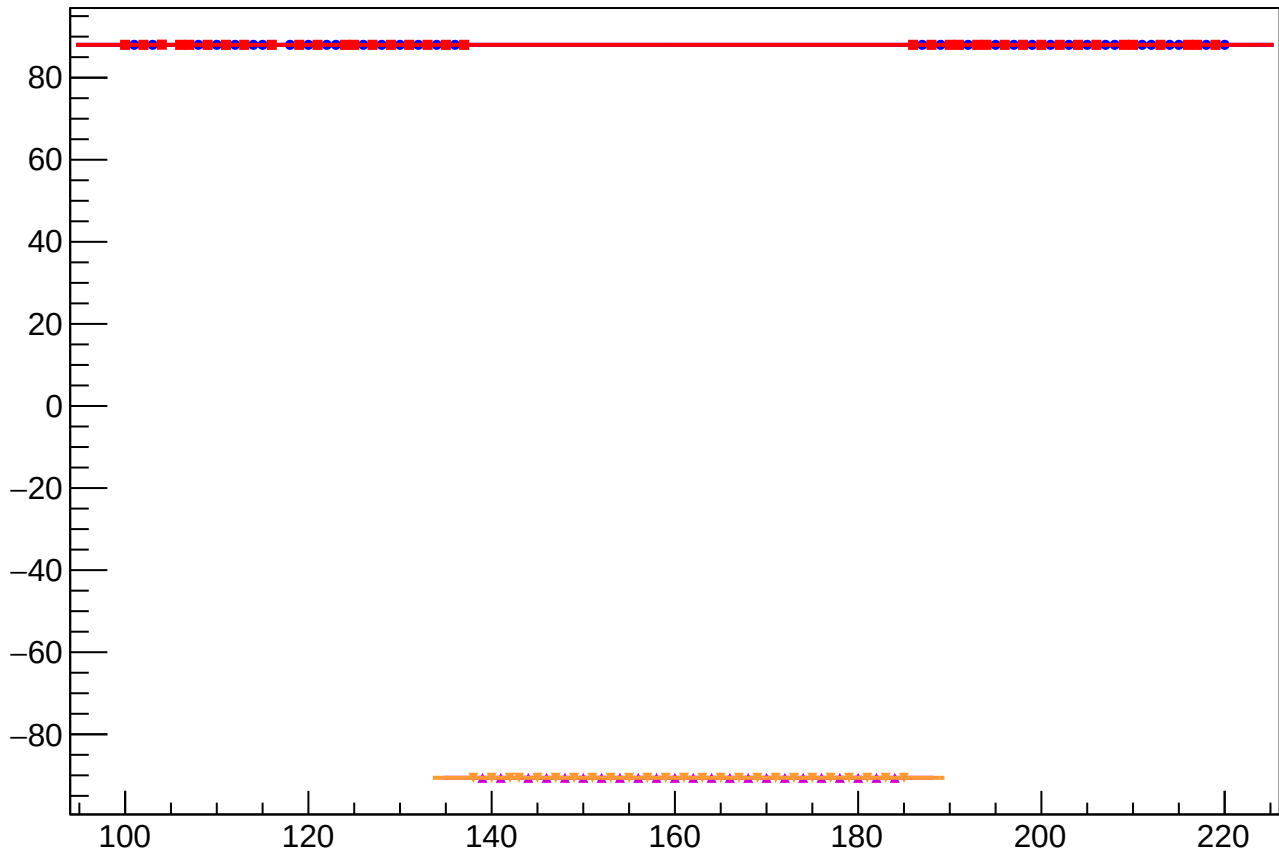
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3936096.4/58

All: 0.010+/-0.000 χ^2/NDF : 8106297.6/118

- sign 0.010+/-0.000 χ^2/NDF : 4137132.4/59

epics_VWienAngles_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 4635321.4/33

Left Out: -90.599+/-0.000 χ^2/NDF : 5785821.4/24

Right Out: 88.002+/-0.000 χ^2/NDF : 81314252579523800915834306560.0/36

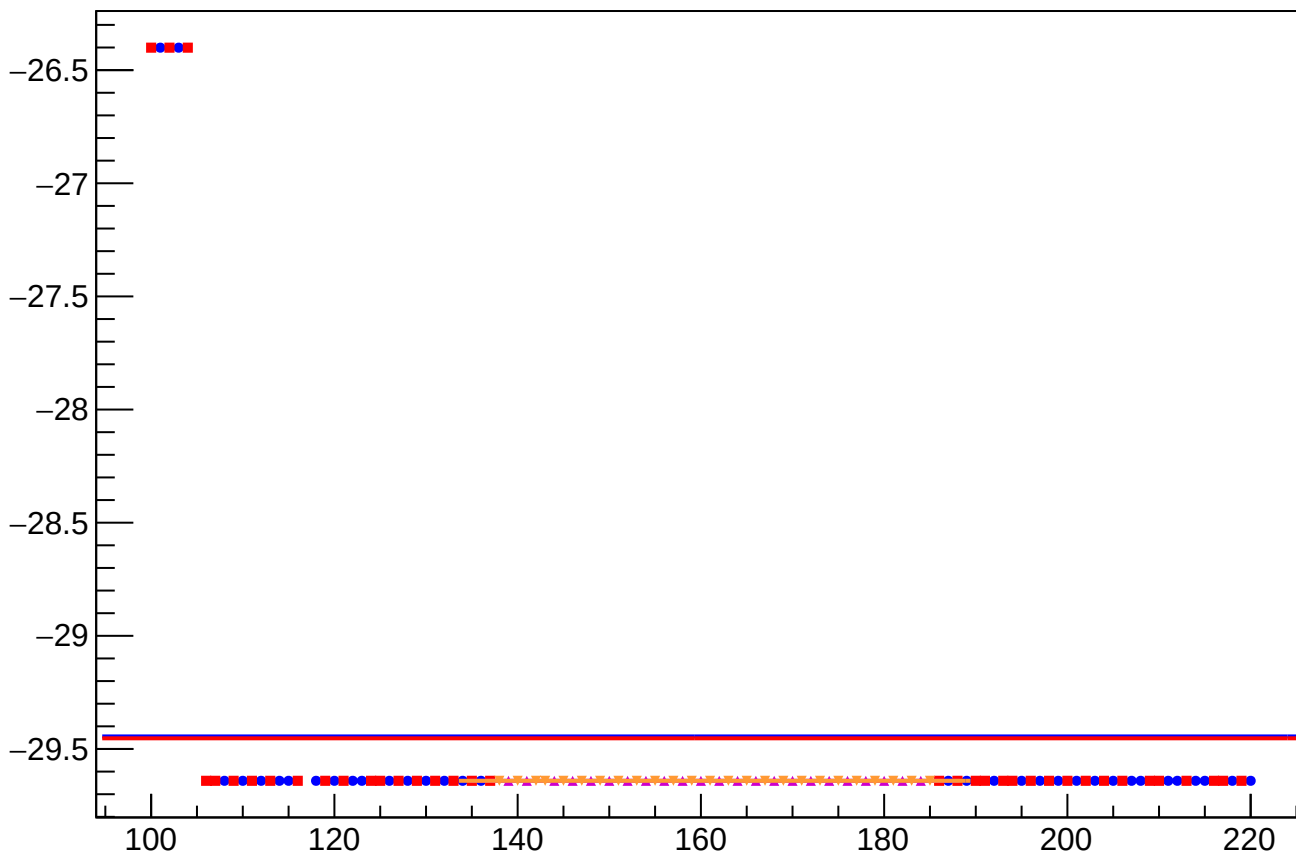
Left In: -90.599+/-0.000 χ^2/NDF : 7134230.8/22

+ sign -0.257+/-0.000 χ^2/NDF : 3073747001556418

All: 1.630+/-0.000 χ^2/NDF : 60963480829006

- sign 3.545+/-0.000 χ^2/NDF : 30198360584606452

epics_HWienAngles_mean vs Slug



Right In: -29.445+/-0.000 χ^2/NDF : 1163758552615373980353122162180096.0/33

Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24

Right Out: -29.453+/-0.000 χ^2/NDF : 1147164304495487252752307914276864.0/36

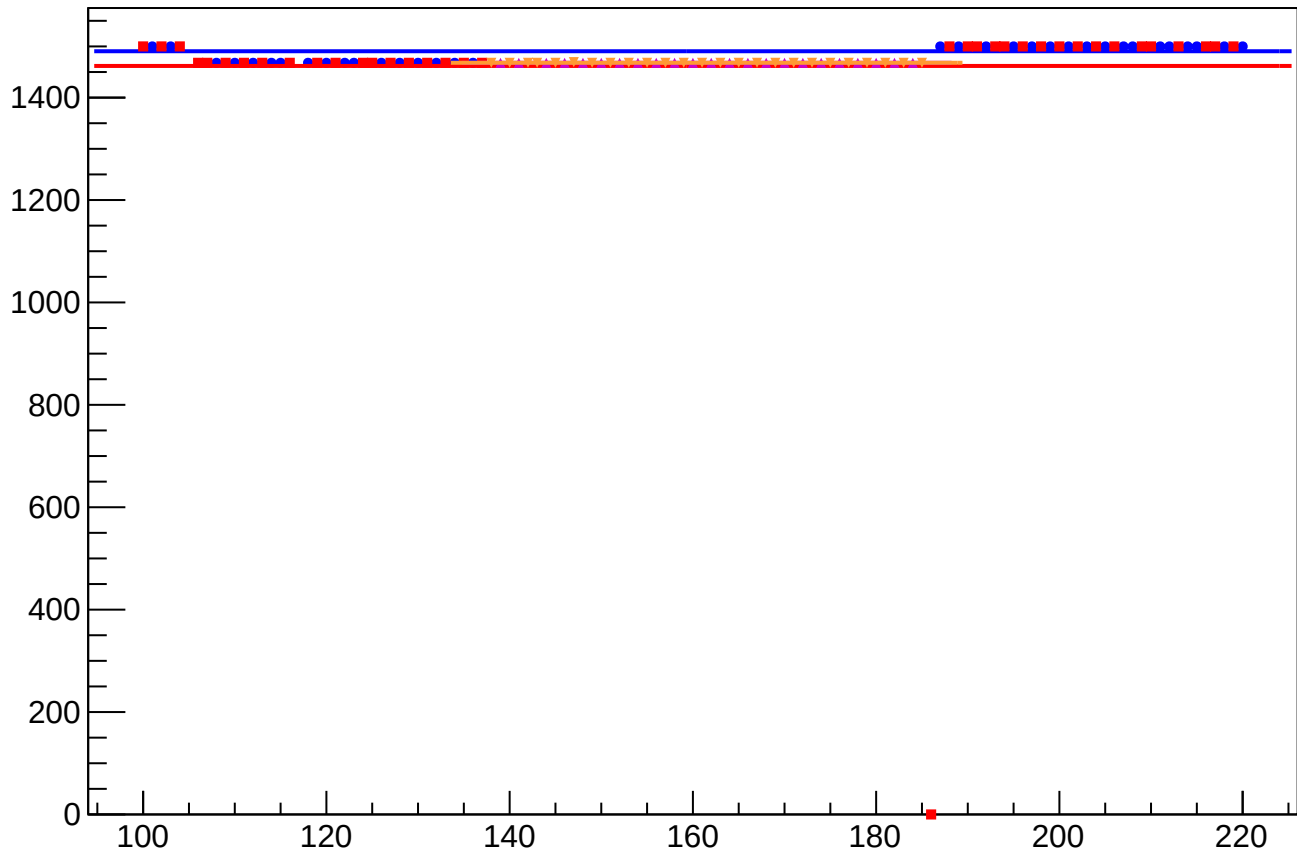
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.542+/-0.000 χ^2/NDF : 120080017680932

All: -29.542+/-0.000 χ^2/NDF : 238132973861

- sign -29.542+/-0.000 χ^2/NDF : 1180529471090019

epics_psub_pl_poss_mean vs Slug



Right In: 1490.591+/-0.000 χ^2/NDF : 414897606972480269257179982897086464.0/33

Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24

Right Out: 1461.868+/-0.000 χ^2/NDF : 83207287377380146473779228178542231552.0/36

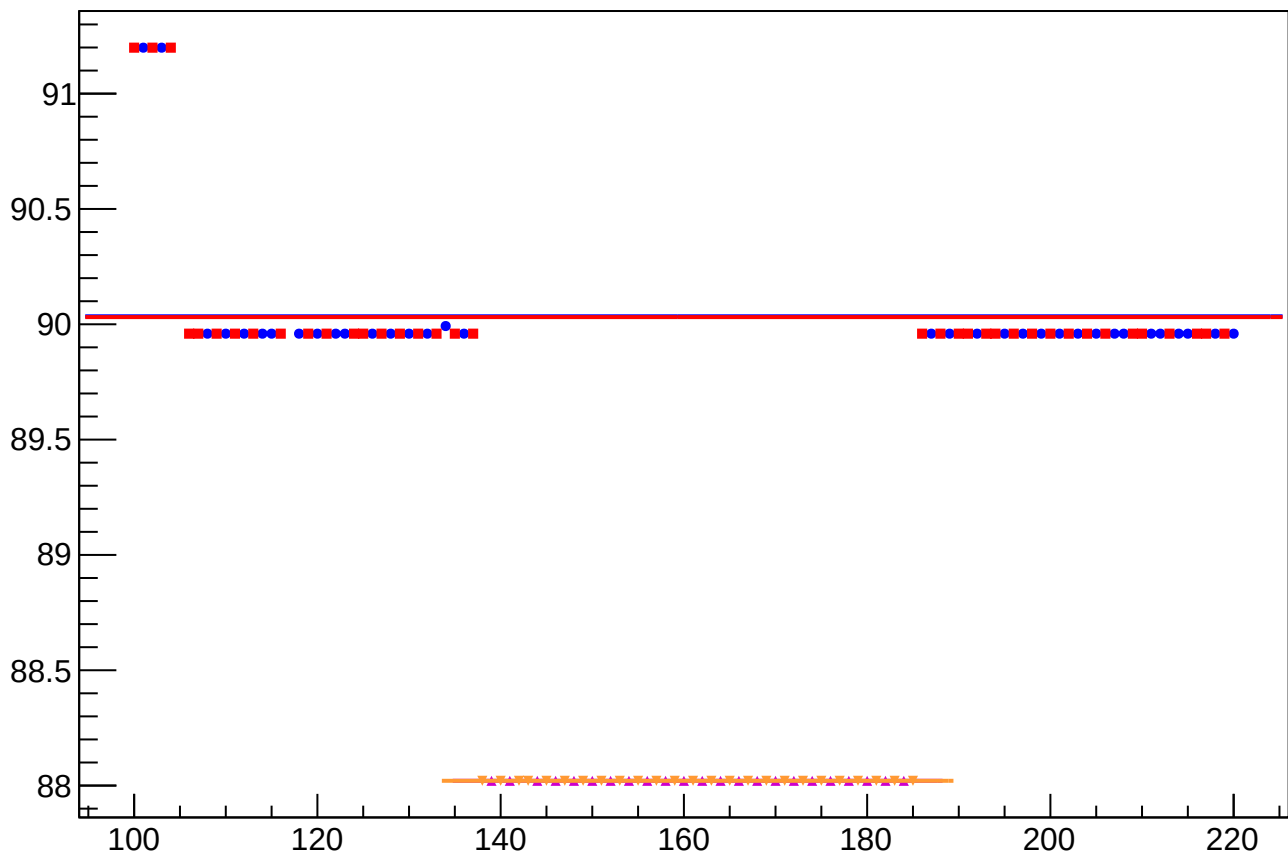
Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22

+ sign 1479.451+/-0.000 χ^2/NDF : 90474973266886

All: 1472.163+/-0.000 χ^2/NDF : 84560198703

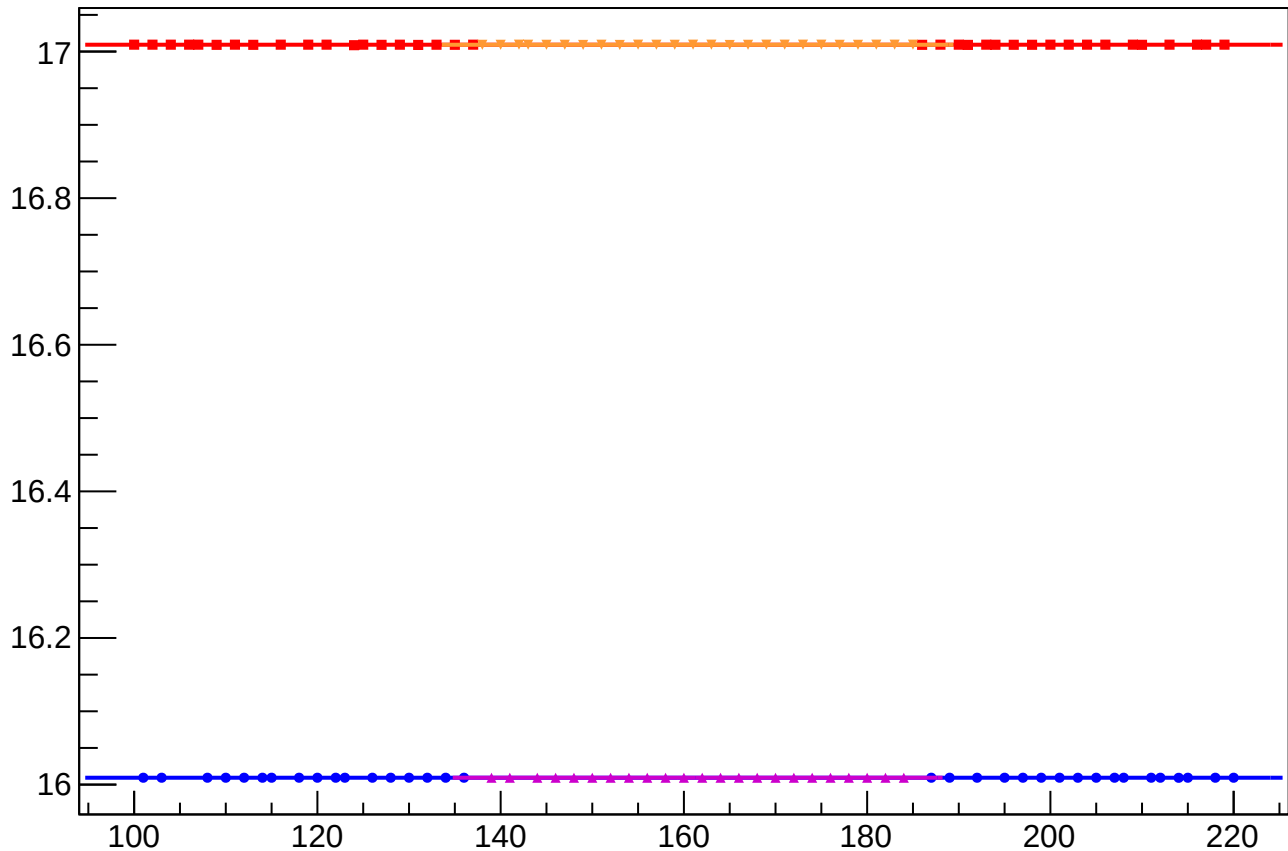
- sign 1464.765+/-0.000 χ^2/NDF : 83242807087561

epics_Phi_FGs_mean vs Slug



Right In: 90.035+/-0.000 χ^2/NDF : 170376083142693172332899579461632.0/33
 Left Out: 88.021+/-0.000 χ^2/NDF : 5679798.5/24
 Right Out: 90.031+/-0.000 χ^2/NDF : 168026961838208649723816120942592.0/36
 Left In: 88.021+/-0.000 χ^2/NDF : 6257169.0/22
 + sign 89.039+/-0.000 χ^2/NDF : 4078946260237652
 All: 89.060+/-0.000 χ^2/NDF : 8076660180311
 - sign 89.080+/-0.000 χ^2/NDF : 3994498608576719

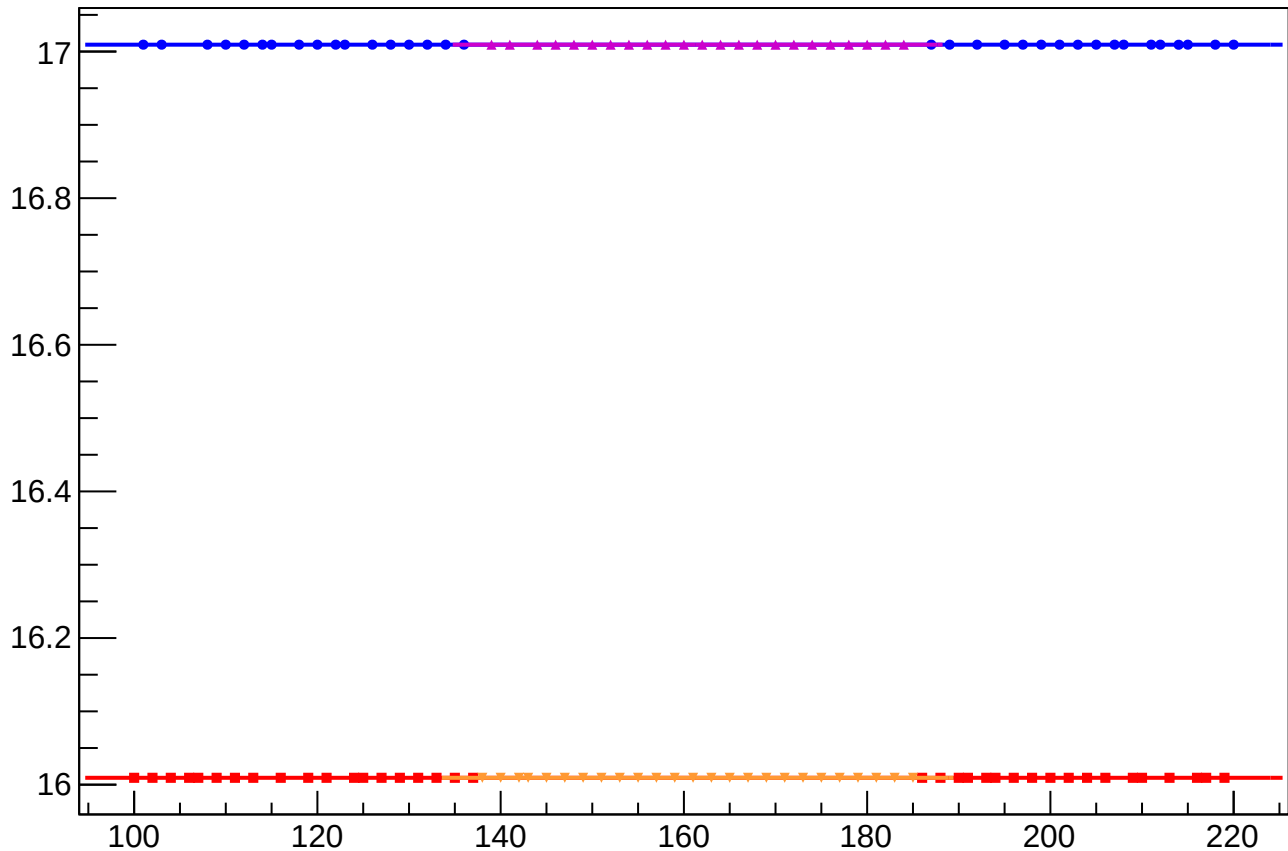
epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 850855946046392697356288.0/33
 Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24
 Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 21619728953174294383296512.0/36
 Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.489 $\pm$ 0.000 χ^2 /NDF: 9203241946975887
 All: 16.517 $\pm$ 0.000 χ^2 /NDF: 182196524305
 - sign 16.546 $\pm$ 0.000 χ^2 /NDF: 8956911420498894

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 850855946177634013020160.0/33

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 318194.9/36

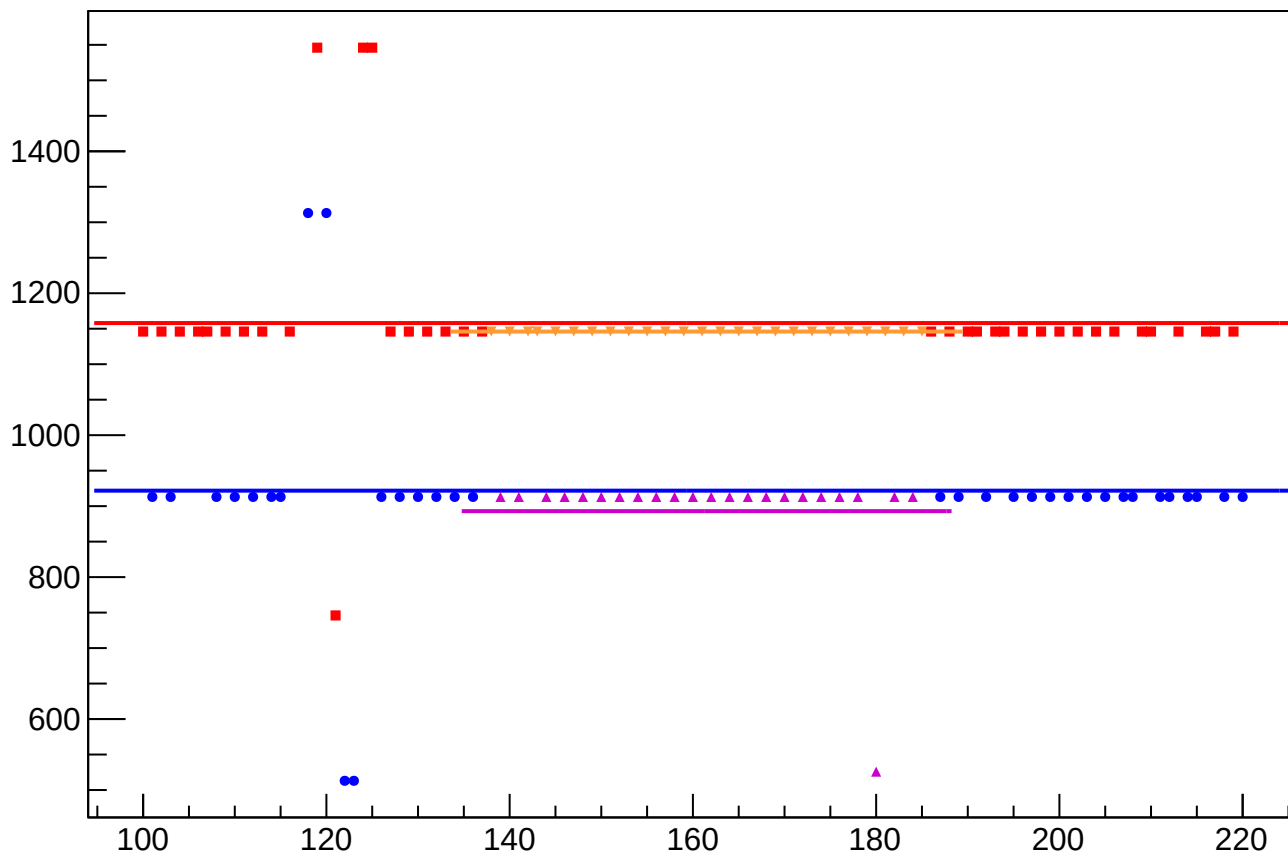
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.514+/-0.000 χ^2/NDF : 9496490804092102

All: 16.496+/-0.000 χ^2/NDF : 1884815771385

- sign 16.477+/-0.000 χ^2/NDF : 9325233667089299

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 921.815+/-0.000 χ^2/NDF : 21129649653969786996491672440446910464.0/33

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1157.998+/-0.000 χ^2/NDF : 21793008718154891906057466122181017600.0/36

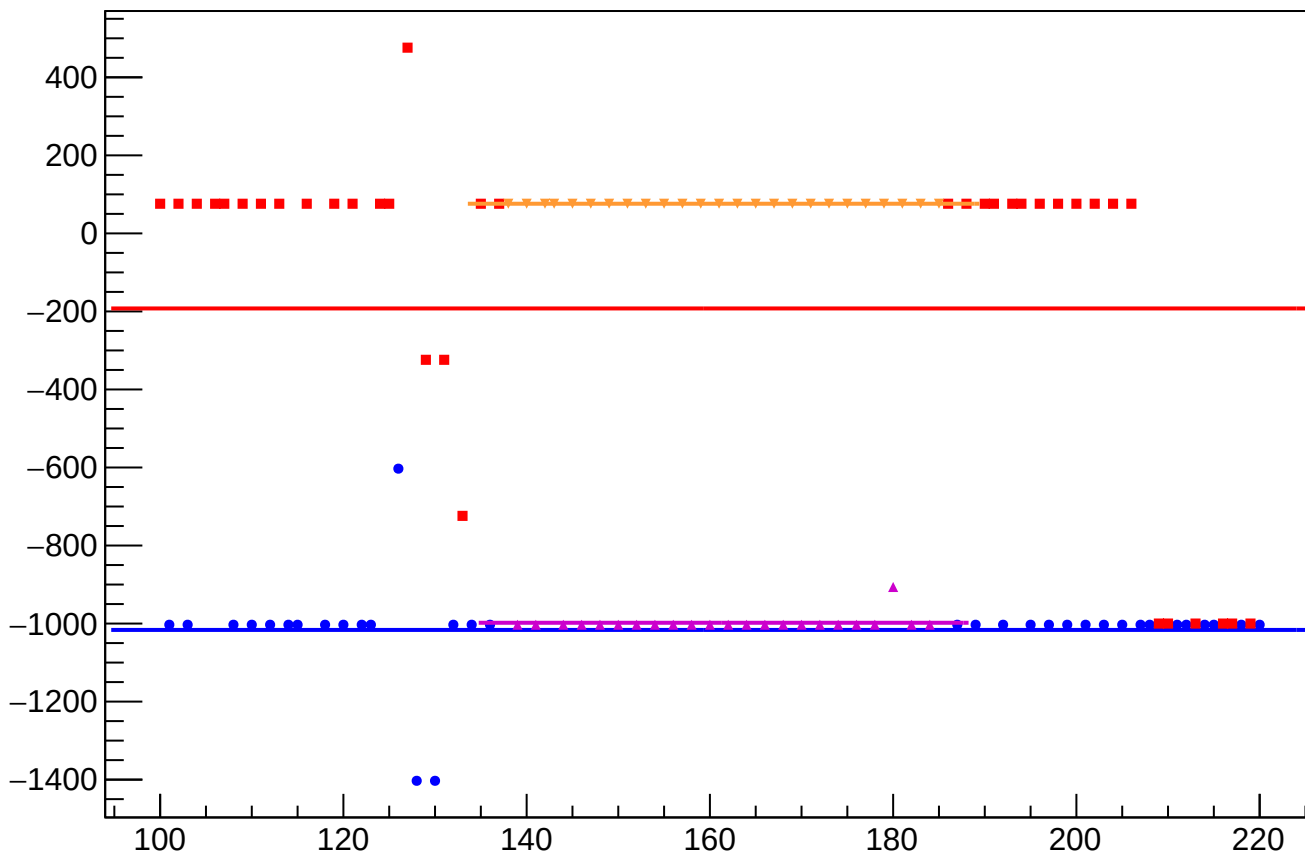
Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

+ sign 1032.604+/-0.000 χ^2/NDF : 69564904208219

All: 1032.633+/-0.000 χ^2/NDF : 17107807315

- sign 1032.662+/-0.000 χ^2/NDF : 10151316259258

epics_RTPAPOSVCNTs_mean vs Slug



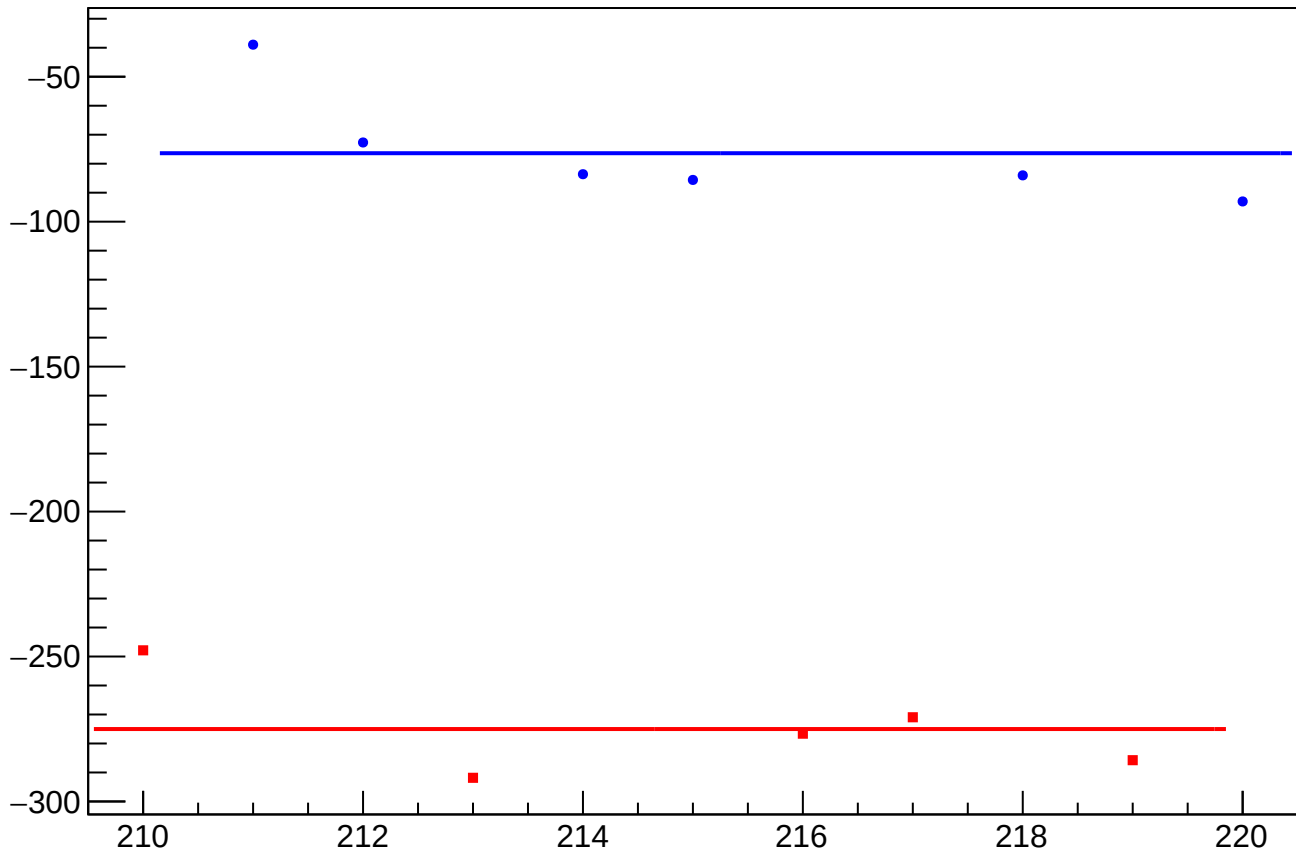
Right In: -1016.322+/-0.000 χ^2/NDF : 22853022614691861095159758513898520576.0/33

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24
 + sign -476.531+/-0.000 χ^2/NDF : 11726345671088

Right Out: -192.373+/-0.000 χ^2/NDF : 428465475545596953372918387855499198464.0/36
 All: -524.569+/-0.000 χ^2/NDF : 22342650824

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22
 - sign -573.328+/-0.000 χ^2/NDF : 104370501485778

epics_RTPPITA1CNTs_mean vs Slug



Right In: -76.386 ± 0.000 χ^2/NDF : 145675152873236623026549417098346496.0/5
+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

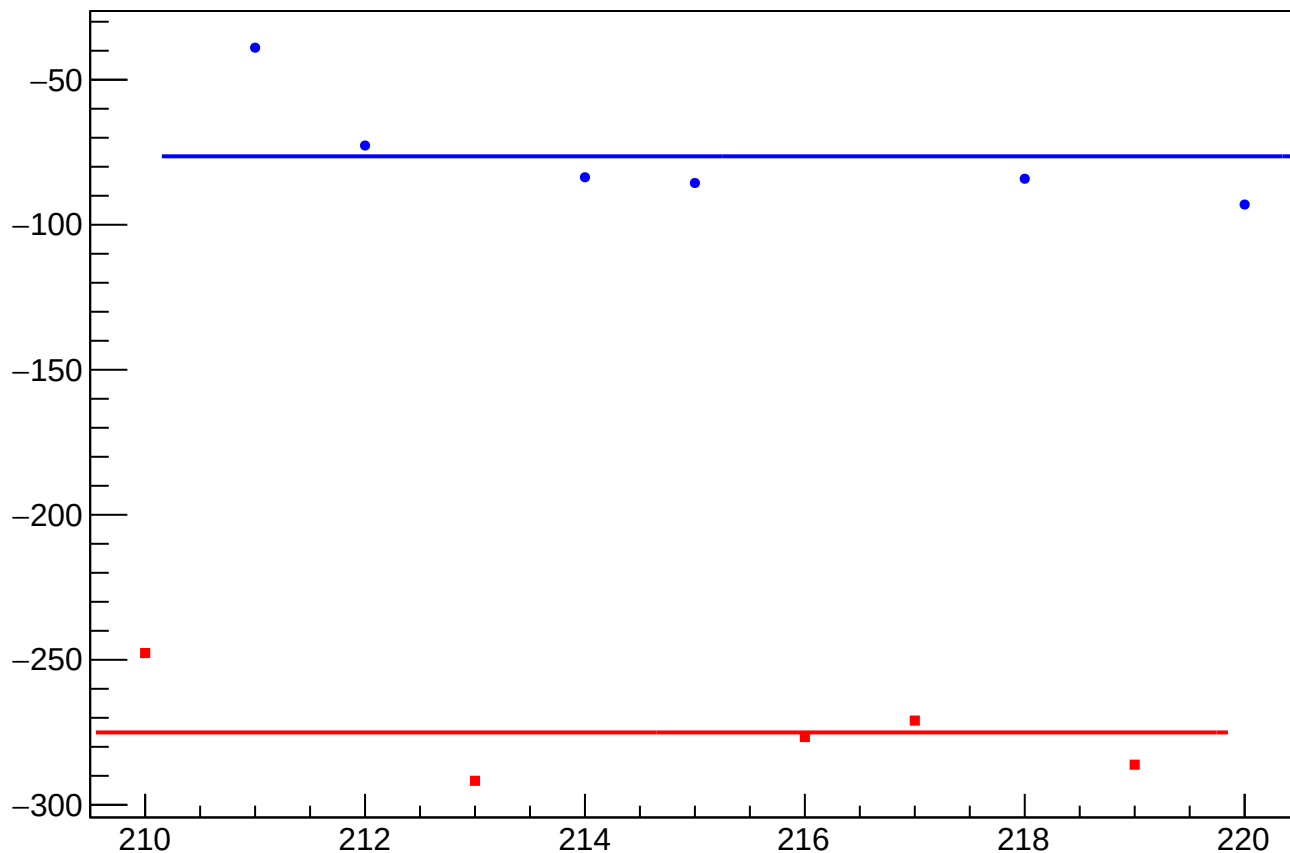
Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: -166.006 ± 0.000 χ^2/NDF : 84380616822
- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Right Out: -275.016 ± 0.000 χ^2/NDF : 86022314037366847399450558125309952.0/4

Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

epics_RTPPITA2CNTs_mean vs Slug



Right In: -76.406+/-0.000 χ^2/NDF : 145816230215404119002419583600558080.0/5

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -166.028+/-0.000 χ^2/NDF : 84396987599

Right Out: -275.040+/-0.000 χ^2/NDF : 87170037078998934606037616422813696.0/4

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0