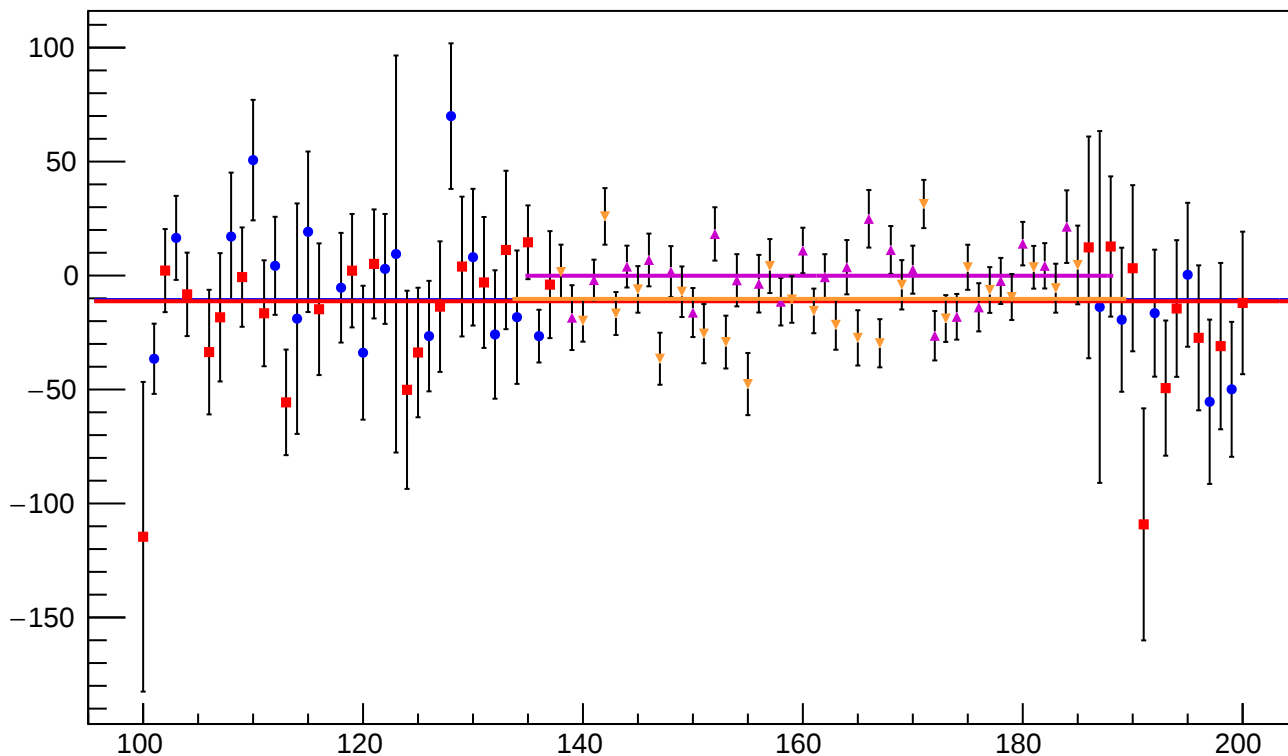


diff_bpm4aX_mean vs Slug



Right In: -10.763 ± 5.196

Left Out: -10.238 ± 2.170

Right Out: -11.273 ± 5.093

Left In: -0.080 ± 2.251

χ^2/NDF : 26.6/22

χ^2/NDF : 58.1/24

χ^2/NDF : 20.1/27

χ^2/NDF : 29.9/22

+ sign -10.316 ± 2.003

All: -6.228 ± 1.435

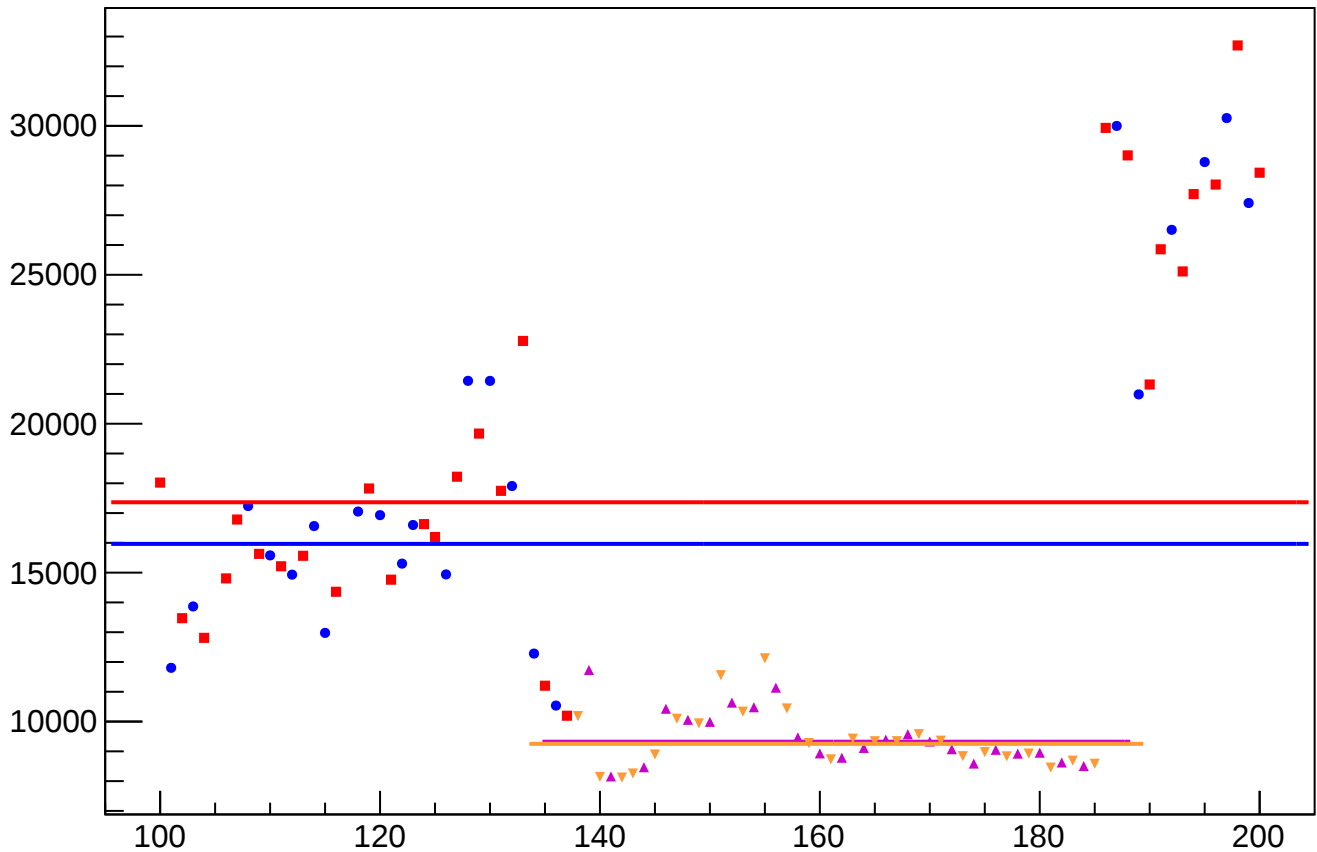
- sign -1.909 ± 2.059

χ^2/NDF : 84.7/47

χ^2/NDF : 147.3/98

χ^2/NDF : 54.0/50

diff_bpm4aX_rms vs Slug



Right In: 15965.365+/-3.674 χ^2/NDF : 2161309.1/22

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

Right Out: 17362.902+/-3.602 χ^2/NDF : 2566342.9/27

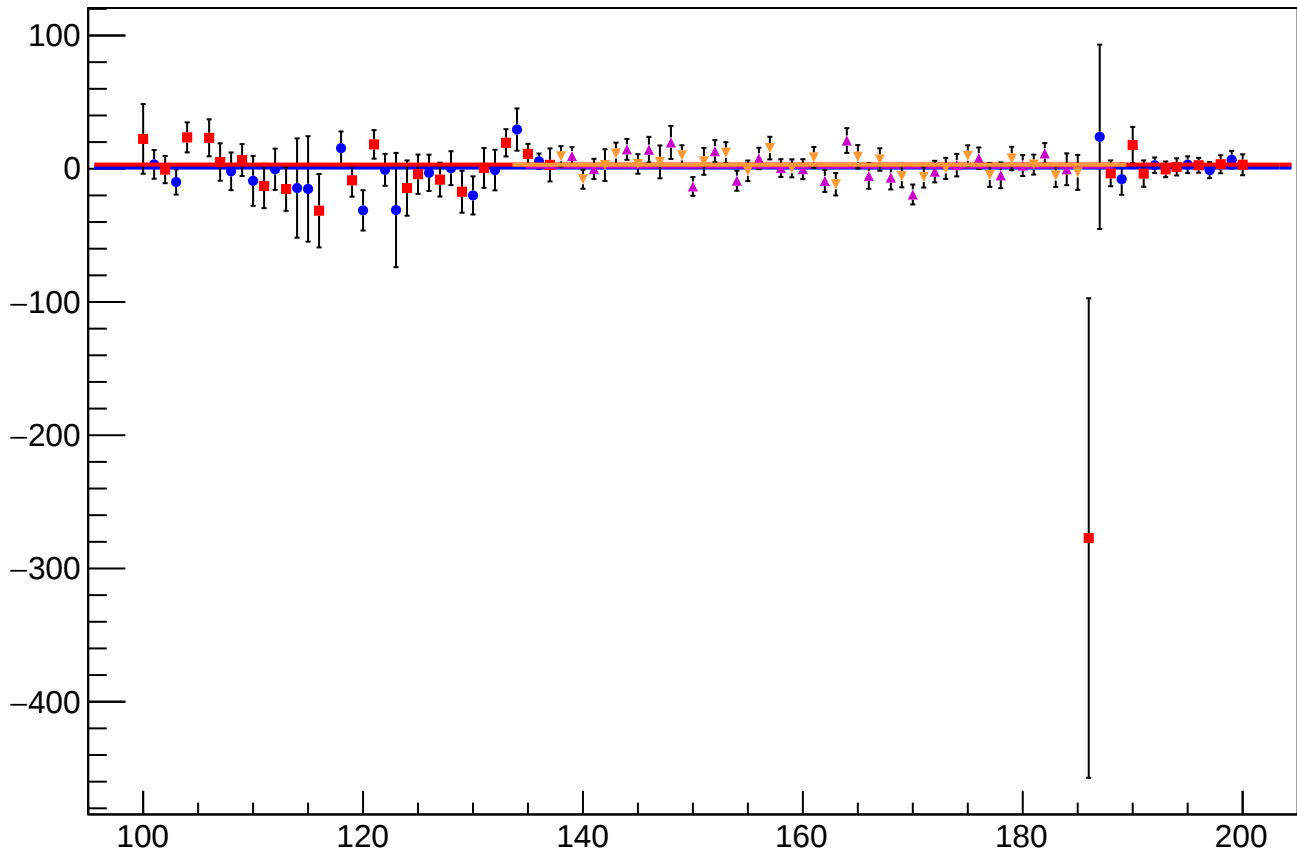
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 10249.033+/-1.416 χ^2/NDF : 5336526.3/47

All: 10437.729+/-1.015 χ^2/NDF : 12383452.5

- sign 10637.119+/-1.456 χ^2/NDF : 7010405.3/50

diff_bpm4aY_mean vs Slug



Right In: 0.892 ± 2.140 χ^2/NDF : 16.4/22

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

Right Out: 3.141 ± 1.942 χ^2/NDF : 25.0/27

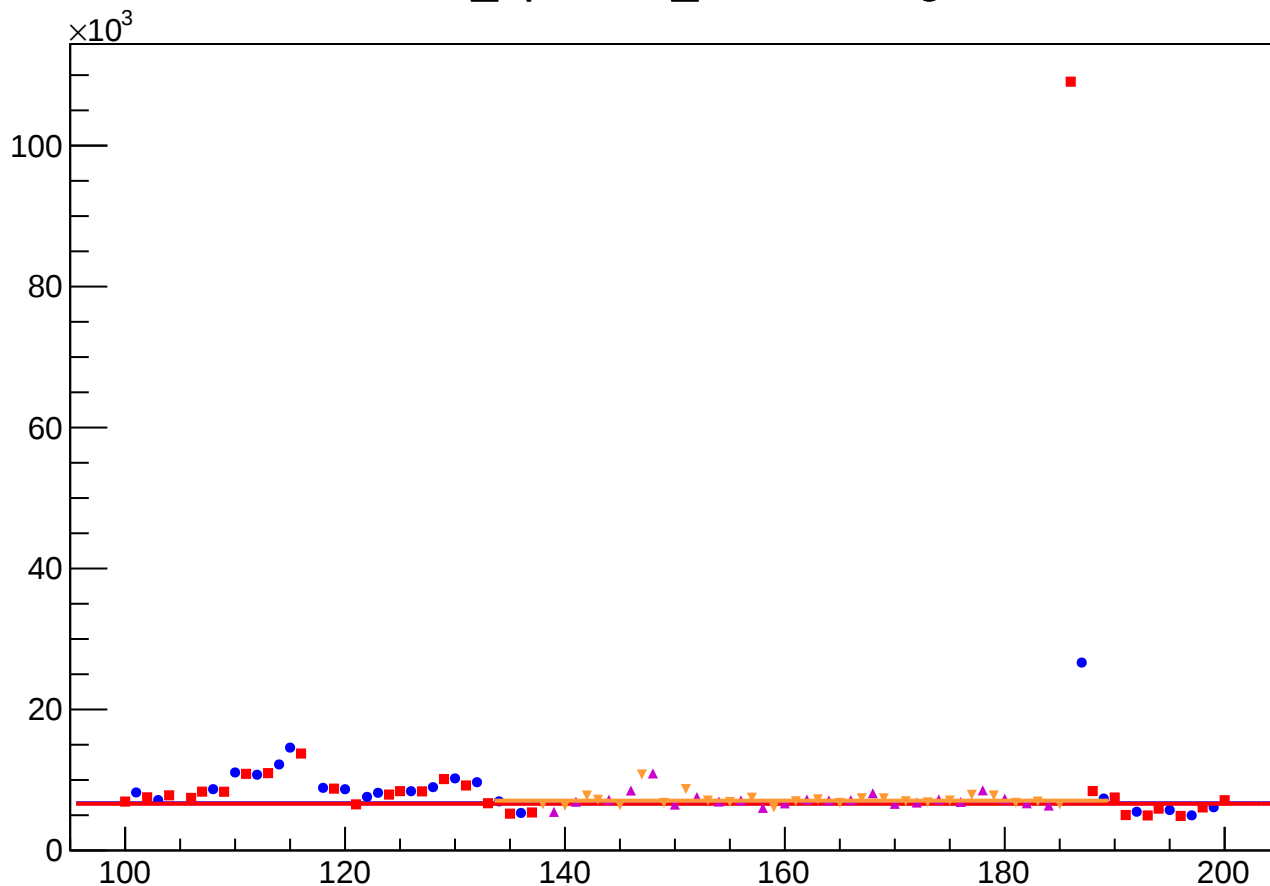
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

+ sign 2.225 ± 1.312 χ^2/NDF : 35.6/47

All: 2.244 ± 0.916 χ^2/NDF : 96.4/98

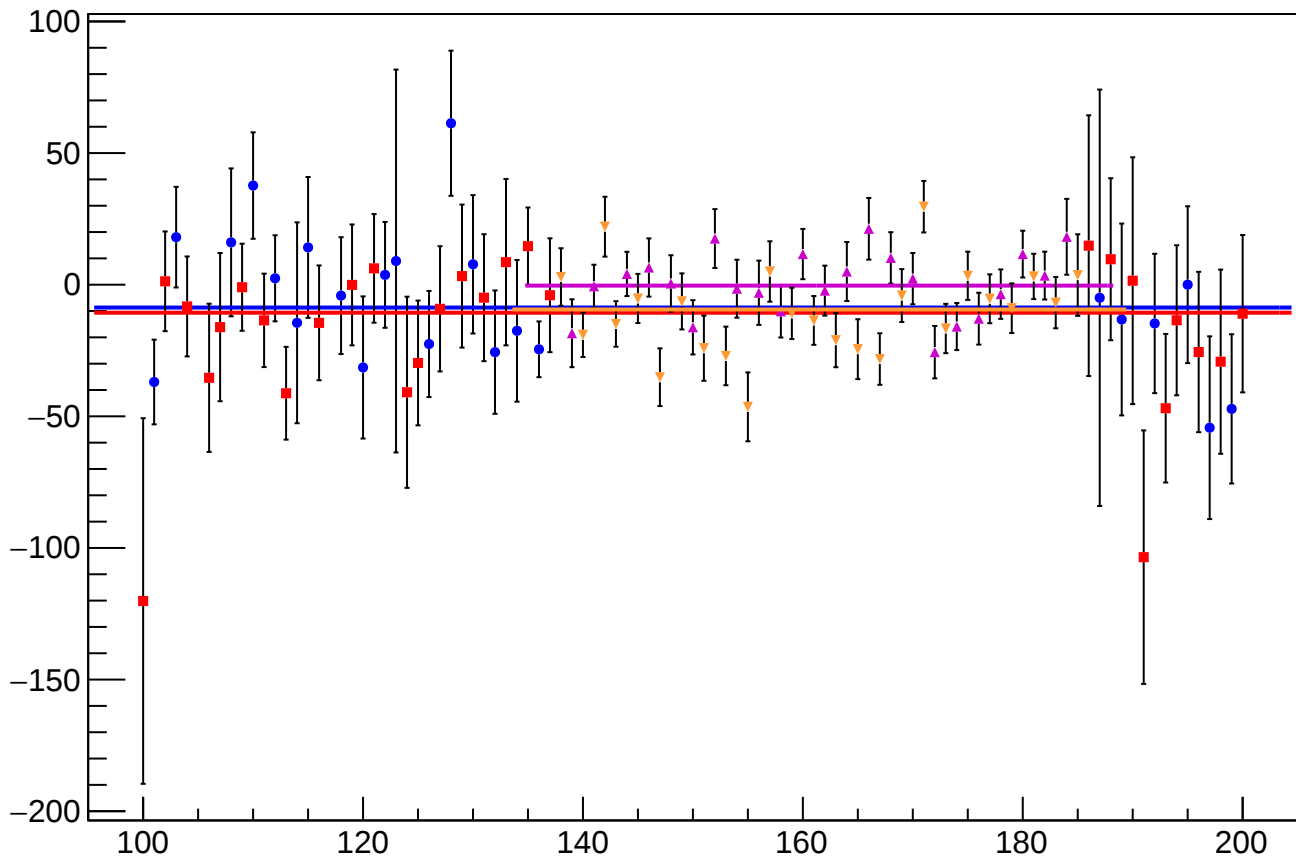
- sign 2.263 ± 1.280 χ^2/NDF : 60.8/50

diff_bpm4aY_rms vs Slug



Right In: 6690.522 ± 1.513 $\chi^2/\text{NDF}: 1454745.5/22$ + sign 6923.937 ± 0.928 $\chi^2/\text{NDF}: 1879670.9/47$
 Left Out: 7064.457 ± 1.174 $\chi^2/\text{NDF}: 386814.9/24$ All: 6884.691 ± 0.648 $\chi^2/\text{NDF}: 4534327.1/98$
 Right Out: 6629.668 ± 1.373 $\chi^2/\text{NDF}: 2081431.8/27$ - sign 6847.316 ± 0.905 $\chi^2/\text{NDF}: 2651162.1/50$
 Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

diff_bpm4eX_mean vs Slug



Right In: -8.675 ± 4.709 χ^2/NDF : 27.4/22

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

Right Out: -10.642 ± 4.578 χ^2/NDF : 19.8/27

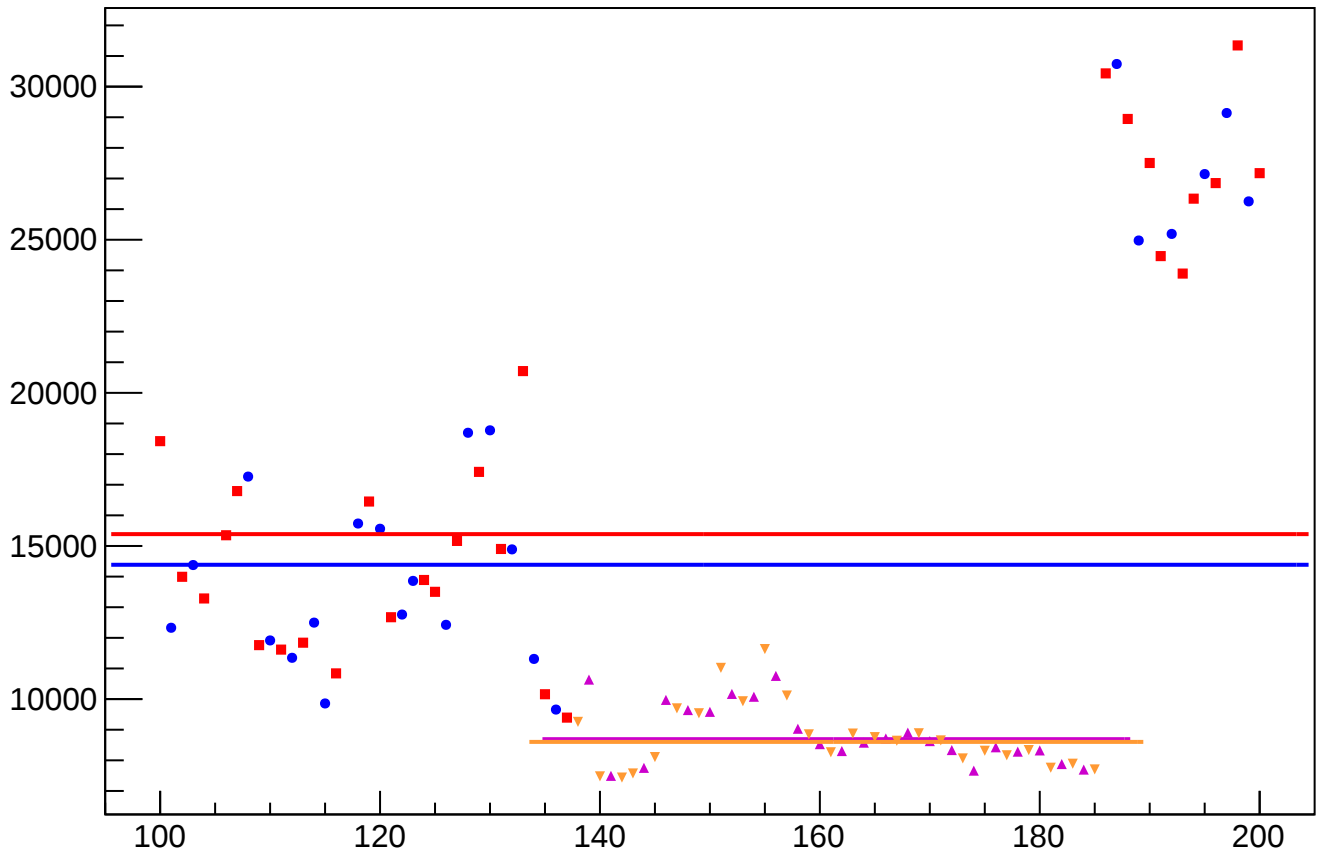
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.297 ± 1.857 χ^2/NDF : 86.2/47

All: -5.814 ± 1.331 χ^2/NDF : 147.3/98

- sign -2.135 ± 1.909 χ^2/NDF : 53.9/50

diff_bpm4eX_rms vs Slug



Right In: 14386.167+/-3.330 χ^2/NDF : 2454723.3/22

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

Right Out: 15387.053+/-3.237 χ^2/NDF : 3195497.9/27

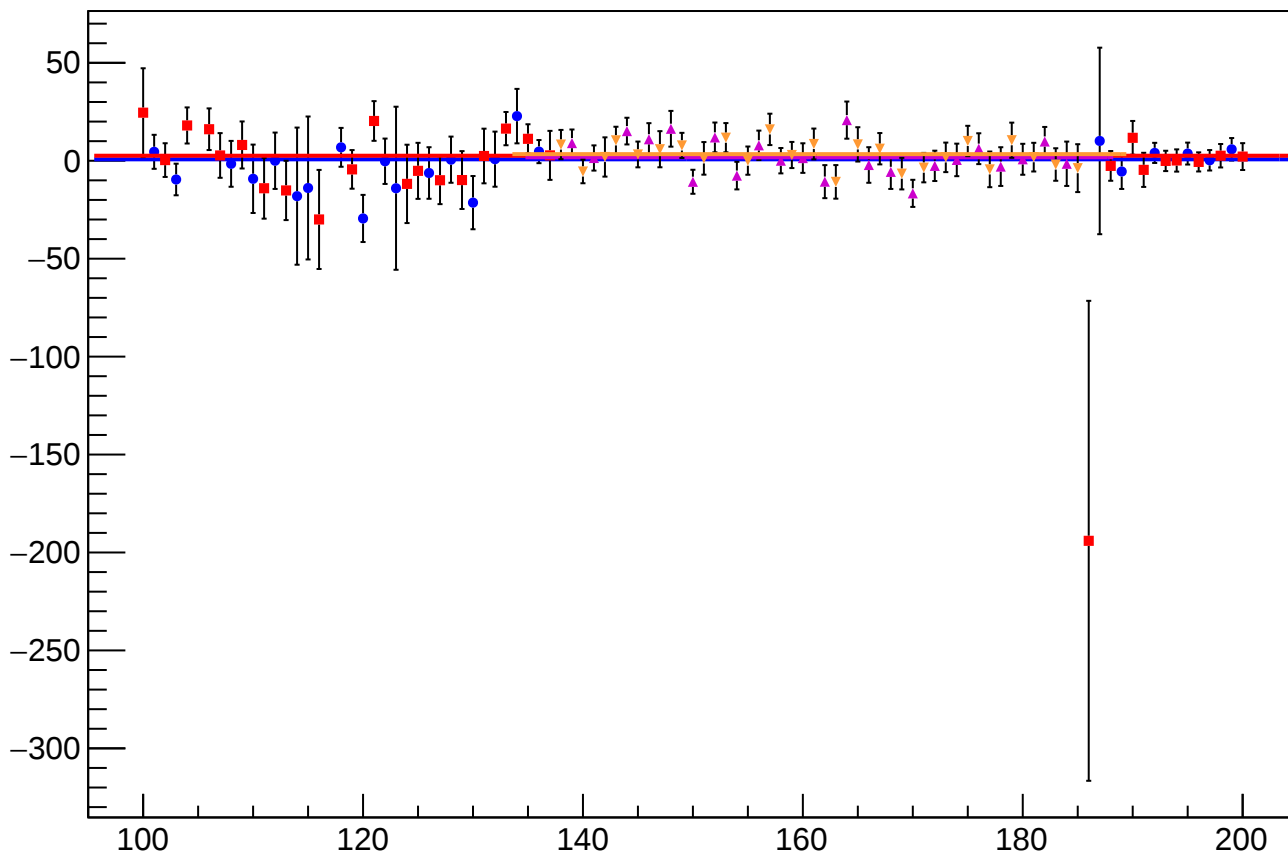
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9501.750+/-1.313 χ^2/NDF : 5441179.8/47

All: 9673.816+/-0.941 χ^2/NDF : 12571574.8/9

- sign 9855.639+/-1.350 χ^2/NDF : 7095087.1/50

diff_bpm4eY_mean vs Slug



Right In: 0.722 ± 1.898 χ^2/NDF : 17.3/22

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

Right Out: 2.569 ± 1.699 χ^2/NDF : 25.7/27

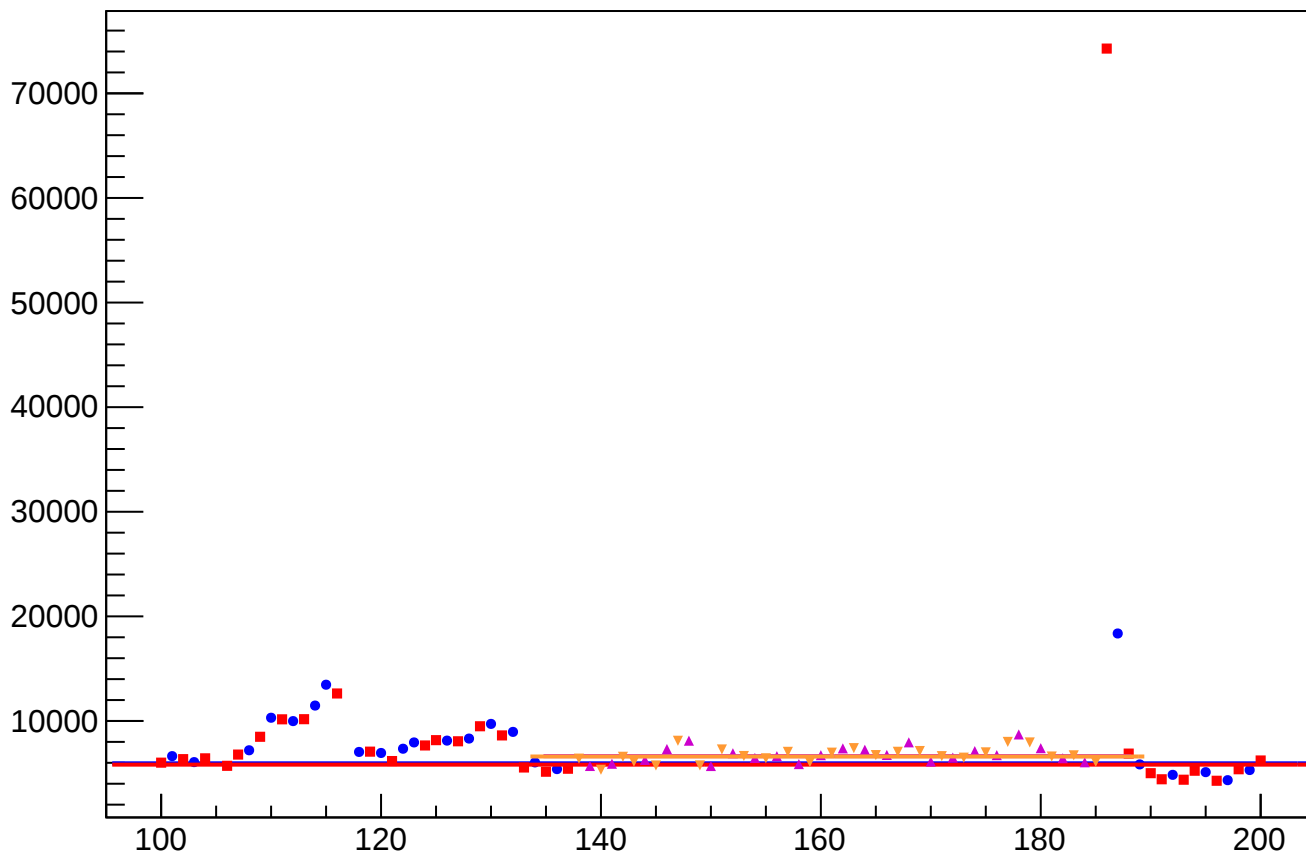
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.311 ± 1.201 χ^2/NDF : 35.7/47

All: 2.223 ± 0.837 χ^2/NDF : 95.0/98

- sign 2.140 ± 1.167 χ^2/NDF : 59.3/50

diff_bpm4eY_rms vs Slug



Right In: 5952.438+/-1.342 χ^2/NDF : 1409826.0/22

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

Right Out: 5825.031+/-1.201 χ^2/NDF : 2115012.1/27

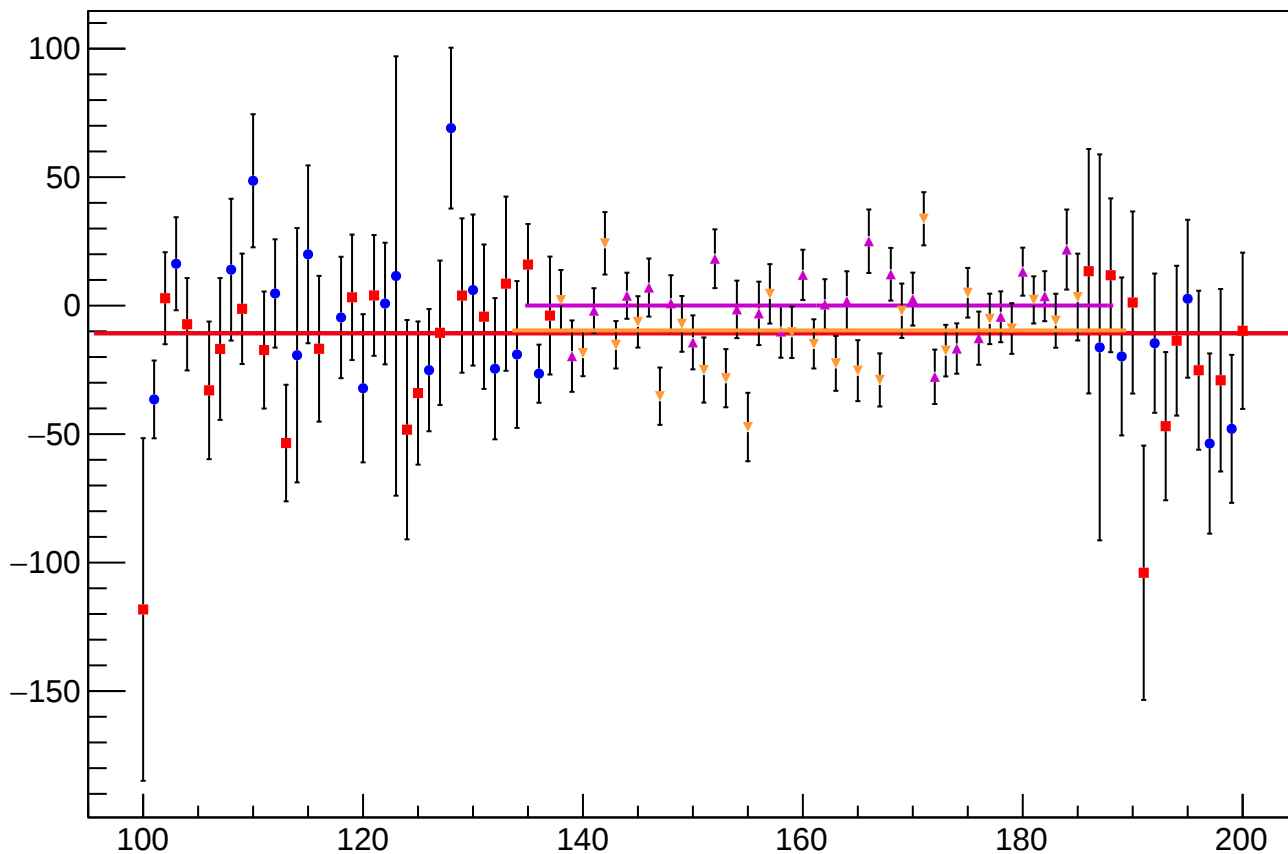
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

+ sign 6342.856+/-0.849 χ^2/NDF : 1946354.9/47

All: 6296.995+/-0.592 χ^2/NDF : 4723774.1/98

- sign 6253.678+/-0.826 χ^2/NDF : 2771751.0/50

diff_bpm4acX_mean vs Slug



Right In: -10.757 ± 5.087 χ^2/NDF : 26.4/22

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

Right Out: -10.733 ± 4.986 χ^2/NDF : 20.1/27

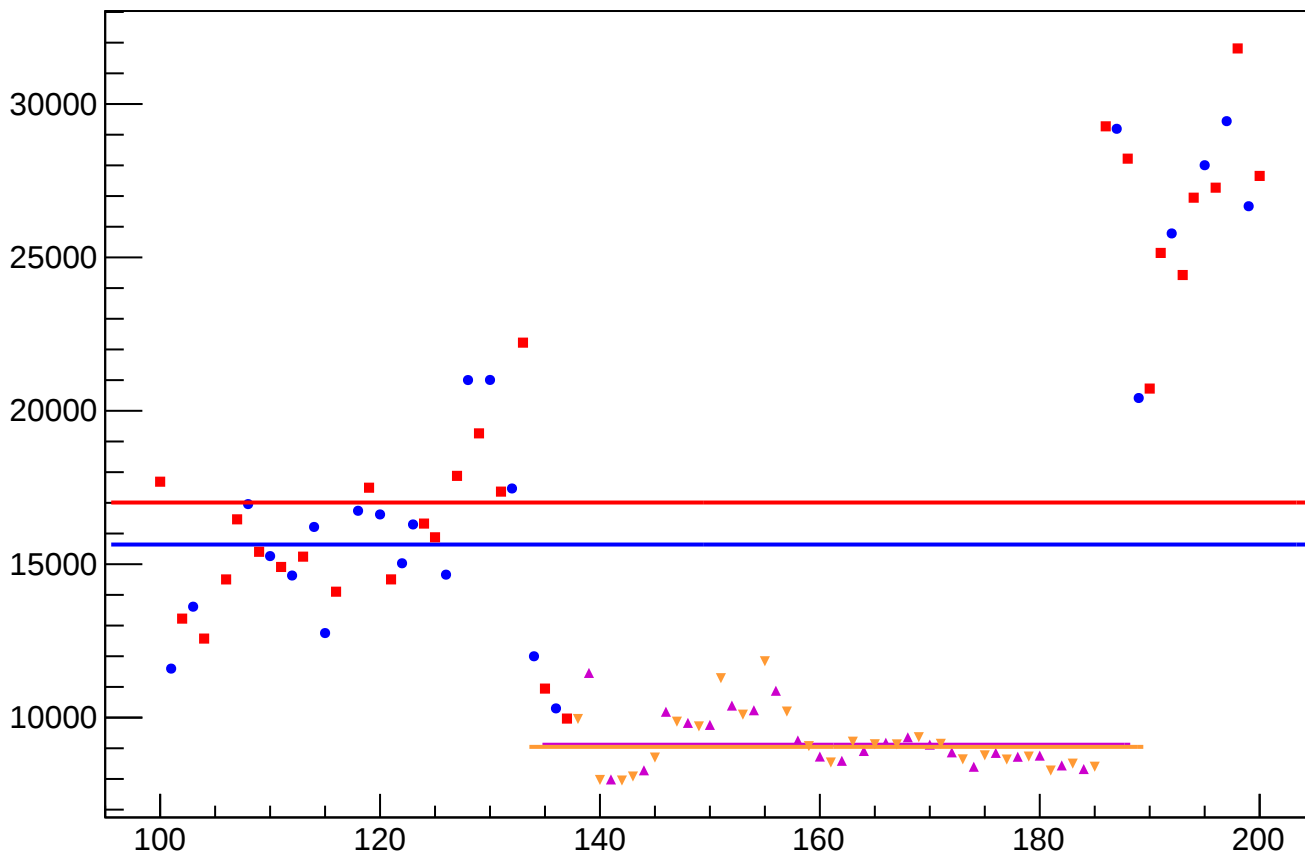
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.805 ± 1.958 χ^2/NDF : 86.4/47

All: -5.871 ± 1.404 χ^2/NDF : 149.5/98

- sign -1.714 ± 2.013 χ^2/NDF : 54.8/50

diff_bpm4acX_rms vs Slug



Right In: 15641.187+/-3.597 χ^2/NDF : 2137273.1/22

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

Right Out: 17010.469+/-3.526 χ^2/NDF : 2528382.7/27

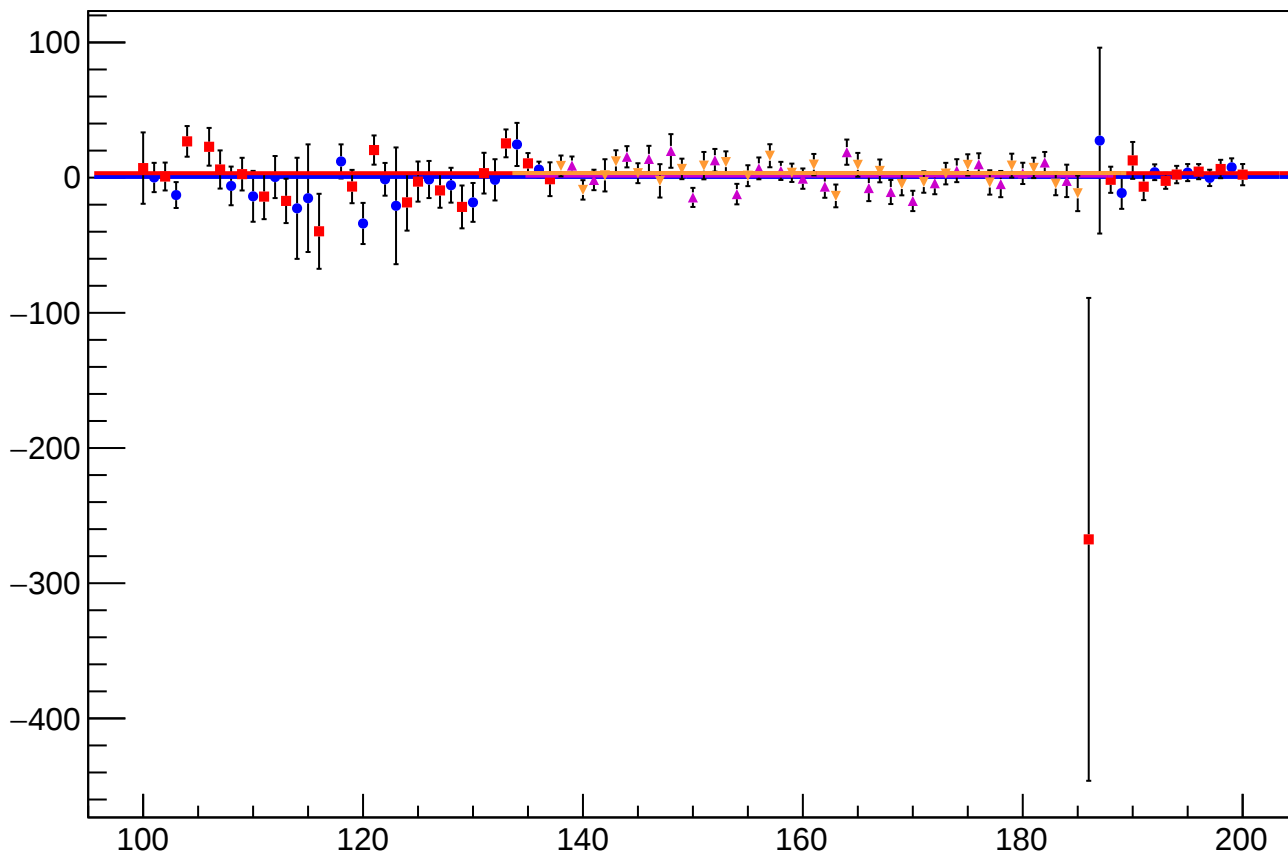
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 10023.118+/-1.385 χ^2/NDF : 5329209.8/47

All: 10207.609+/-0.992 χ^2/NDF : 12363633.7

- sign 10402.536+/-1.423 χ^2/NDF : 6997915.9/50

diff_bpm4acY_mean vs Slug



Right In: 0.520 ± 2.150 χ^2/NDF : 17.6/22

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

Right Out: 3.292 ± 1.951 χ^2/NDF : 30.2/27

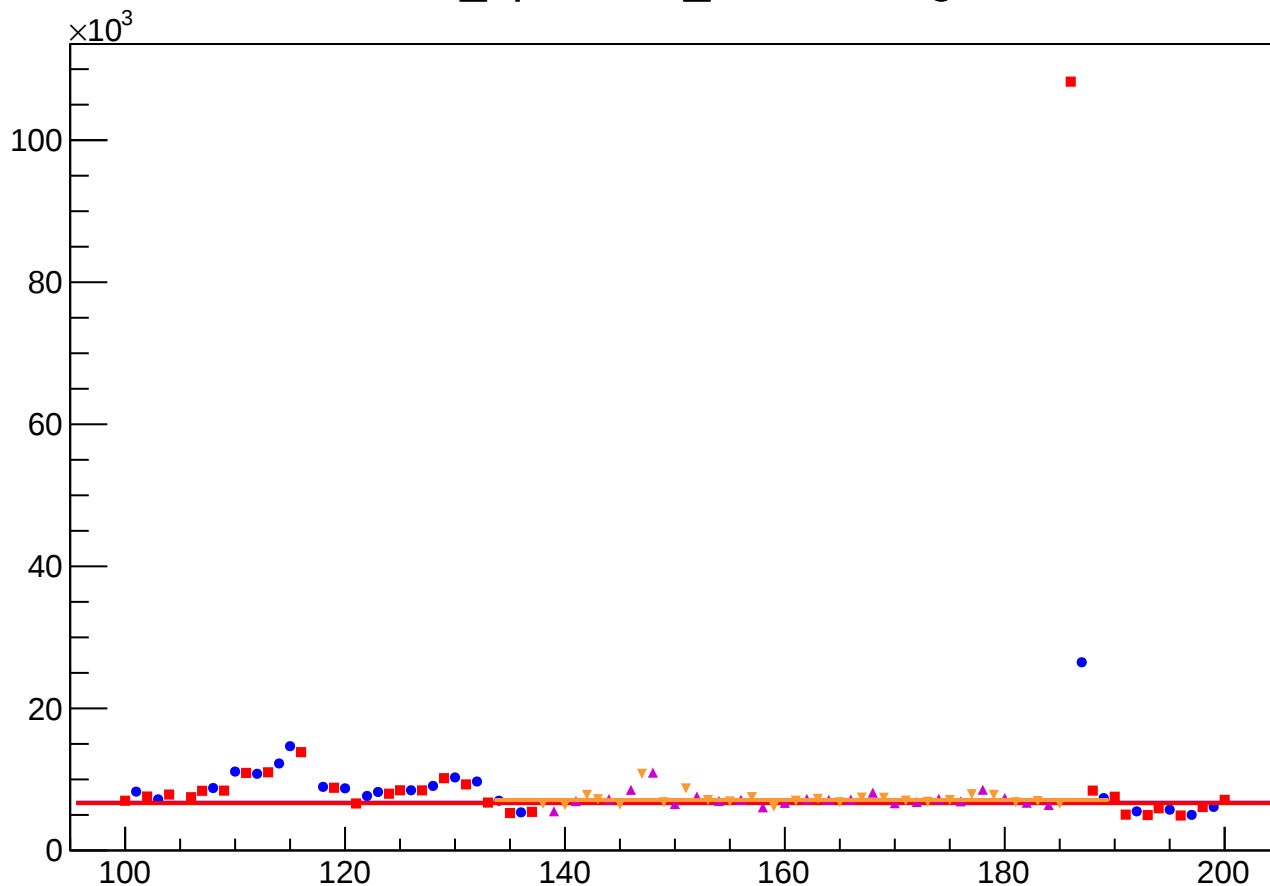
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.310 ± 1.318 χ^2/NDF : 38.1/47

All: 2.288 ± 0.920 χ^2/NDF : 105.5/98

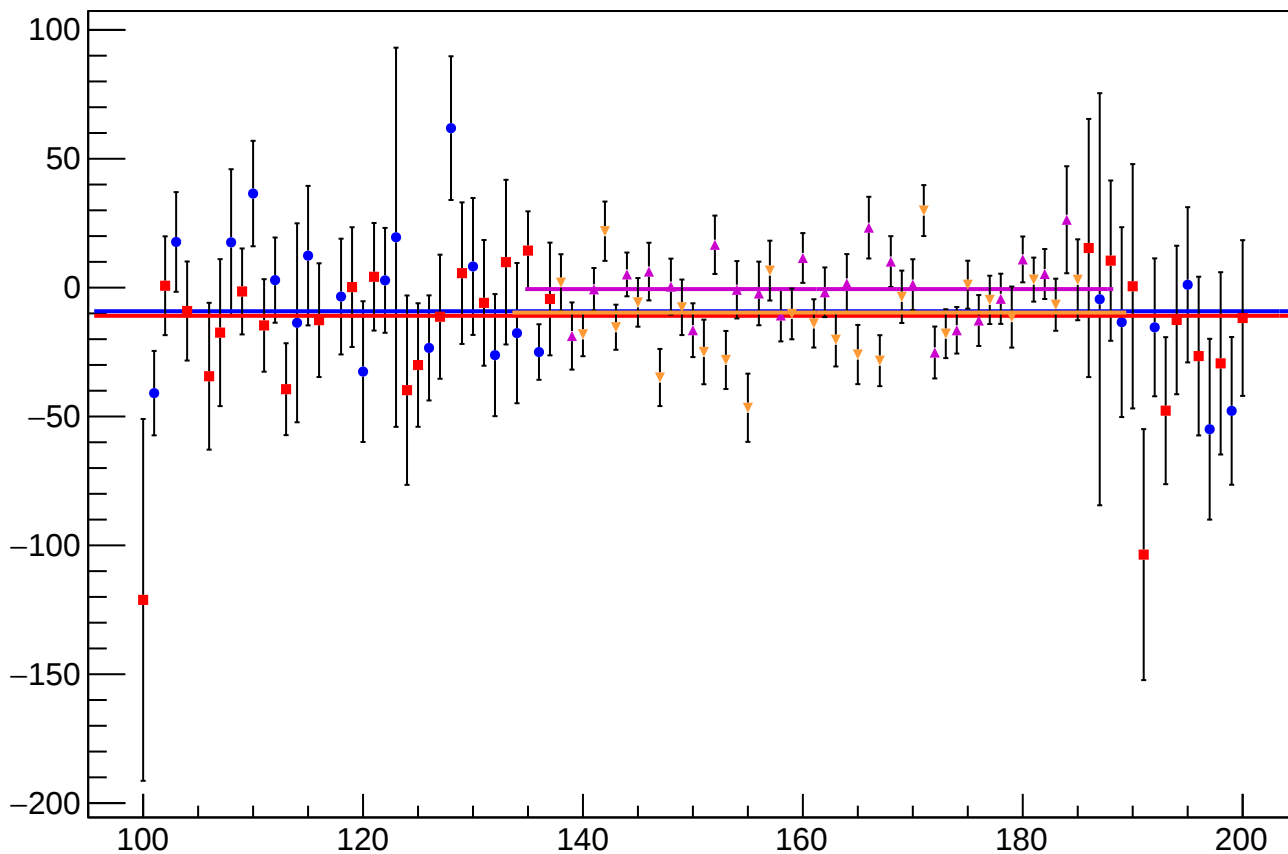
- sign 2.267 ± 1.286 χ^2/NDF : 67.4/50

diff_bpm4acY_rms vs Slug



Right In: 6721.845 ± 1.520	$\chi^2/\text{NDF}: 1461711.8/22$	+ sign 6955.676 ± 0.932	$\chi^2/\text{NDF}: 1881532.6/47$
Left Out: 7096.350 ± 1.179	$\chi^2/\text{NDF}: 381942.1/24$	All: 6916.843 ± 0.651	$\chi^2/\text{NDF}: 4531182.5/98$
Right Out: 6661.906 ± 1.380	$\chi^2/\text{NDF}: 2084711.7/27$	- sign 6879.857 ± 0.909	$\chi^2/\text{NDF}: 2646259.6/50$
Left In: 7047.269 ± 1.209	$\chi^2/\text{NDF}: 517433.5/22$		

diff_bpm4ecX_mean vs Slug



Right In: -9.158 ± 4.771 χ^2/NDF : 27.9/22

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

Right Out: -10.932 ± 4.641 χ^2/NDF : 18.8/27

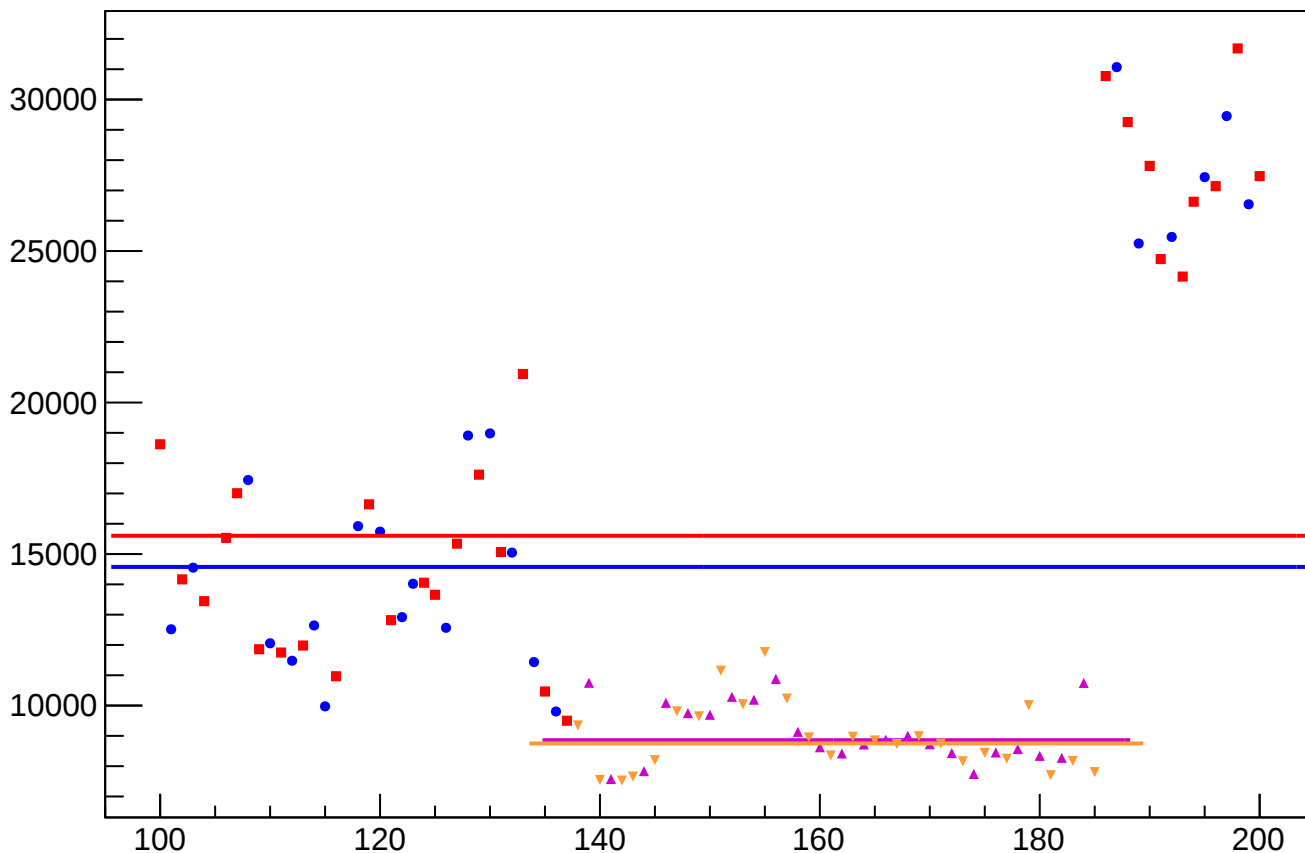
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.590 ± 1.892 χ^2/NDF : 85.9/47

All: -6.090 ± 1.356 χ^2/NDF : 145.6/98

- sign -2.387 ± 1.946 χ^2/NDF : 52.7/50

diff_bpm4ecX_rms vs Slug



Right In: 14575.615+/-3.374 χ^2/NDF : 2439534.8/22

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

Right Out: 15603.681+/-3.281 χ^2/NDF : 3164965.1/27

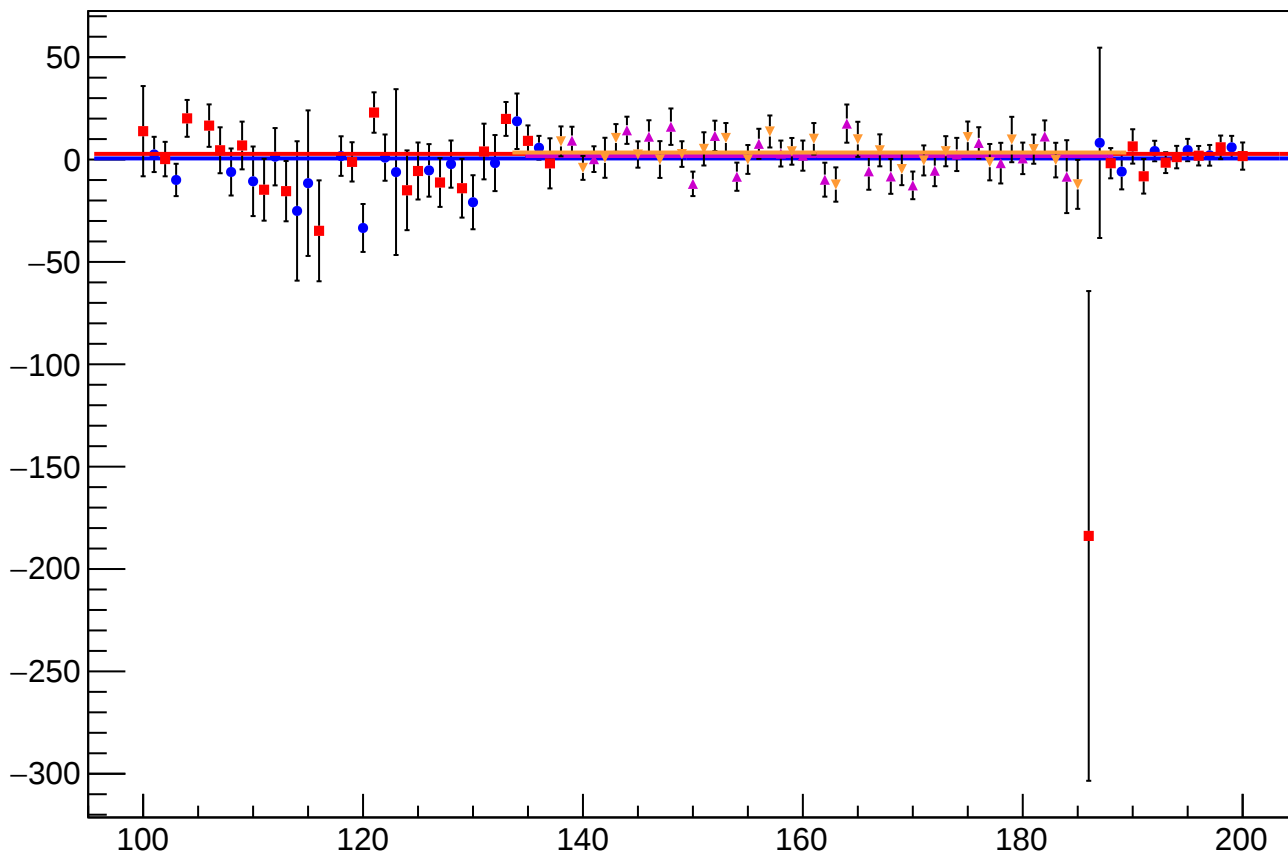
Left In: 8857.329+/-1.516 χ^2/NDF :361778.8/22

+ sign 9666.197+/-1.338 χ^2/NDF : 5416057.1/47

All: 9849.602+/-0.959 χ^2/NDF : 12464884.0/50

- sign 10043.695+/-1.376 χ^2/NDF : 7010133.6/50

diff_bpm4ecY_mean vs Slug



Right In: 0.549 ± 1.851 $\chi^2/\text{NDF}: 20.0/22$

Left Out: 3.433 ± 1.526 $\chi^2/\text{NDF}: 16.2/24$

Right Out: 2.769 ± 1.657 $\chi^2/\text{NDF}: 30.4/27$

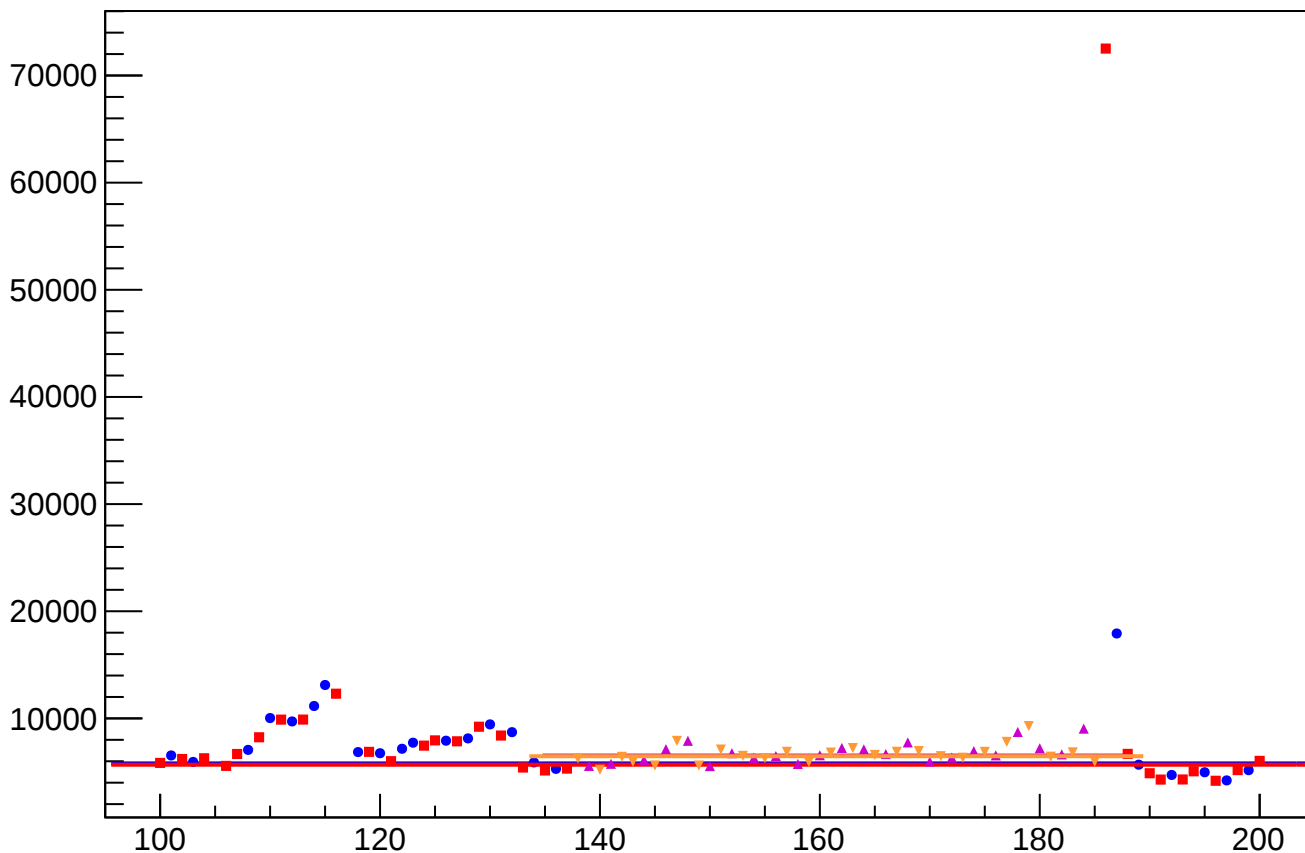
Left In: 1.734 ± 1.586 $\chi^2/\text{NDF}: 33.6/22$

+ sign 2.266 ± 1.177 $\chi^2/\text{NDF}: 37.6/47$

All: 2.247 ± 0.821 $\chi^2/\text{NDF}: 101.8/98$

- sign 2.229 ± 1.146 $\chi^2/\text{NDF}: 64.2/50$

diff_bpm4ecY_rms vs Slug



Right In: 5800.655+/-1.309 χ^2/NDF : 1418479.2/22

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

Right Out: 5677.273+/-1.171 χ^2/NDF : 2105293.3/27

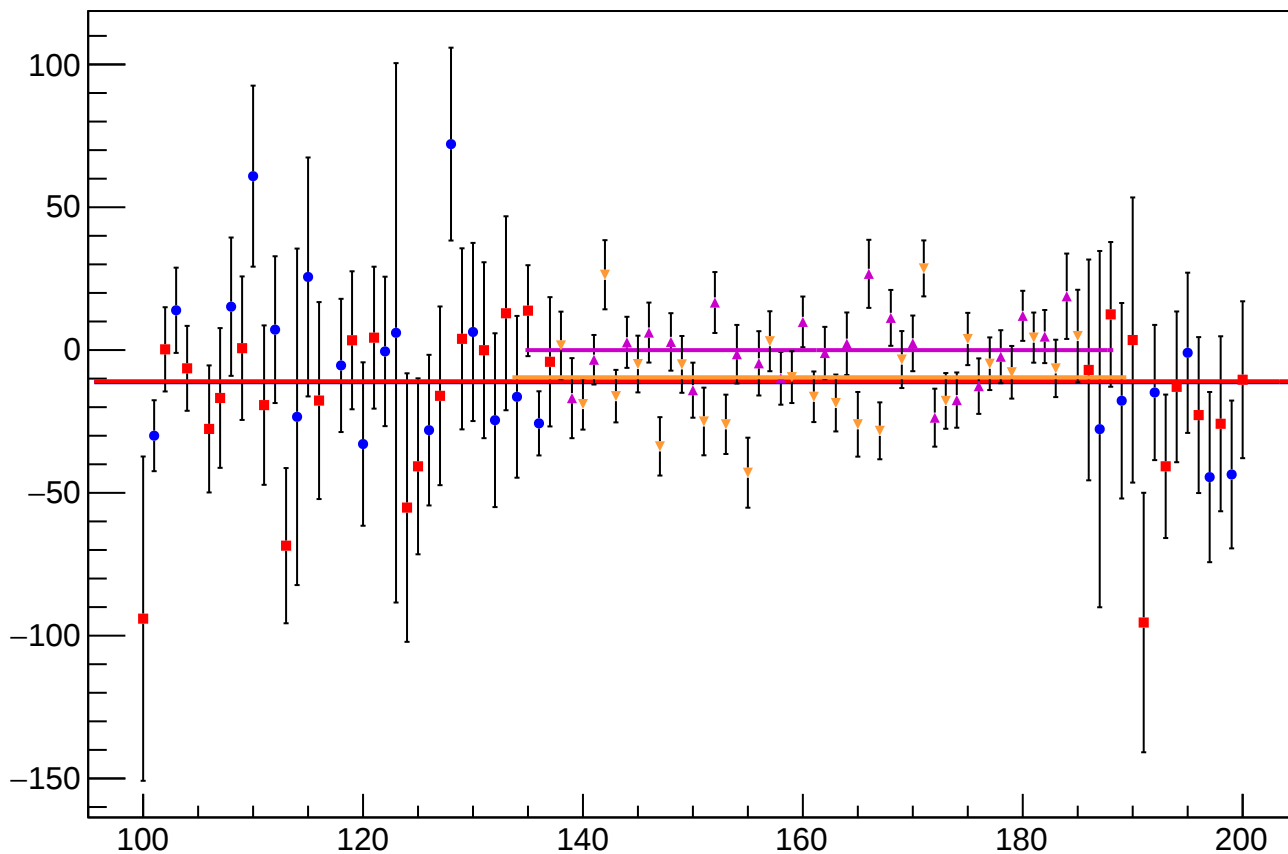
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6198.509+/-0.832 χ^2/NDF : 2060899.6/47

All: 6159.610+/-0.581 χ^2/NDF : 4912231.3/98

- sign 6122.772+/-0.810 χ^2/NDF : 2847079.9/50

diff_bpm1X_mean vs Slug



Right In: -11.273 $\pm$ 4.935 χ^2/NDF : 25.4/22

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

Right Out: -10.930 $\pm$ 4.838 χ^2/NDF : 20.4/27

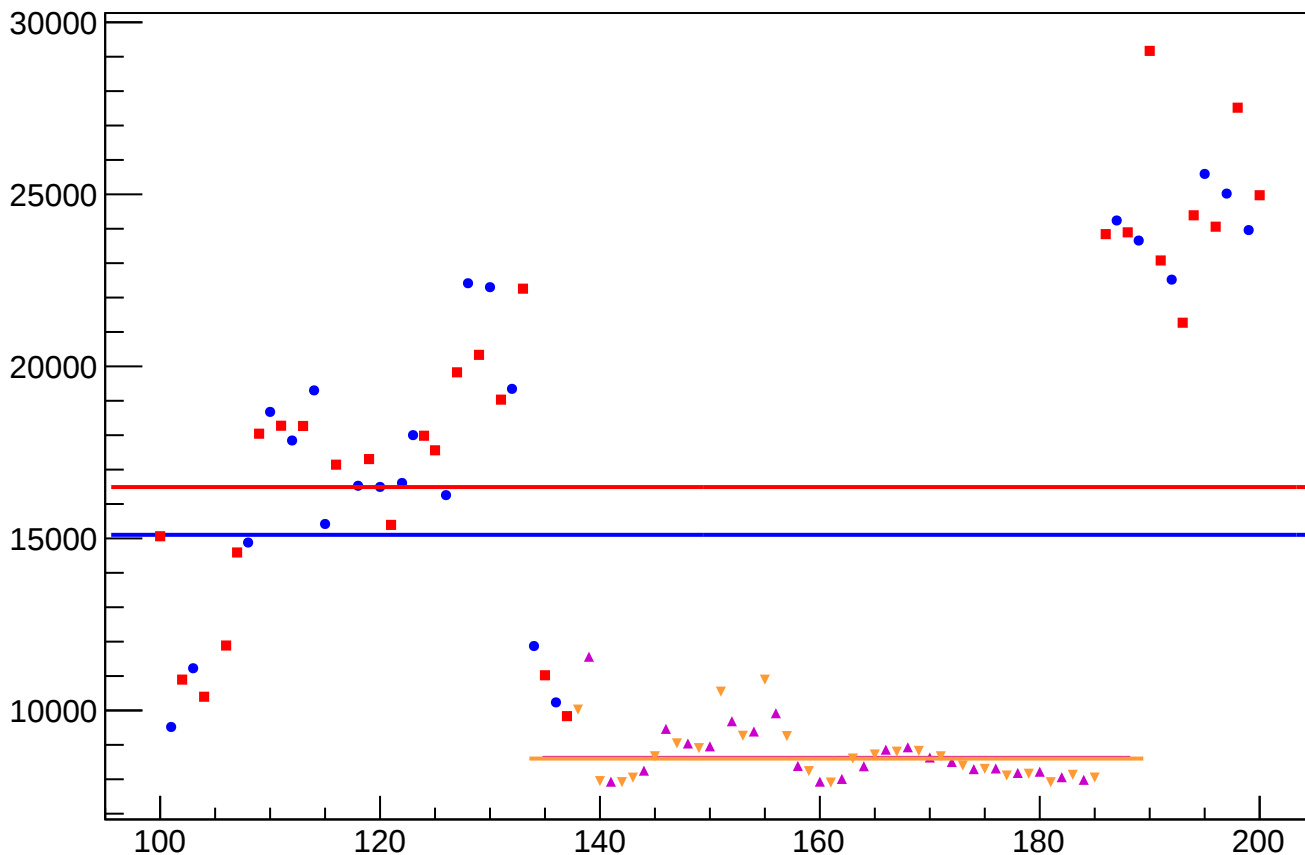
Left In: -0.027 $\pm$ 2.080 χ^2/NDF : 29.9/22

+ sign -9.778 $\pm$ 1.866 χ^2/NDF : 85.1/47

All: -5.849 $\pm$ 1.335 χ^2/NDF : 148.8/98

- sign -1.728 $\pm$ 1.911 χ^2/NDF : 54.6/50

diff_bpm1X_rms vs Slug



Right In: 15104.320+/-3.489 χ^2/NDF : 2363413.1/22

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

Right Out: 16492.541+/-3.421 χ^2/NDF : 2560322.8/27

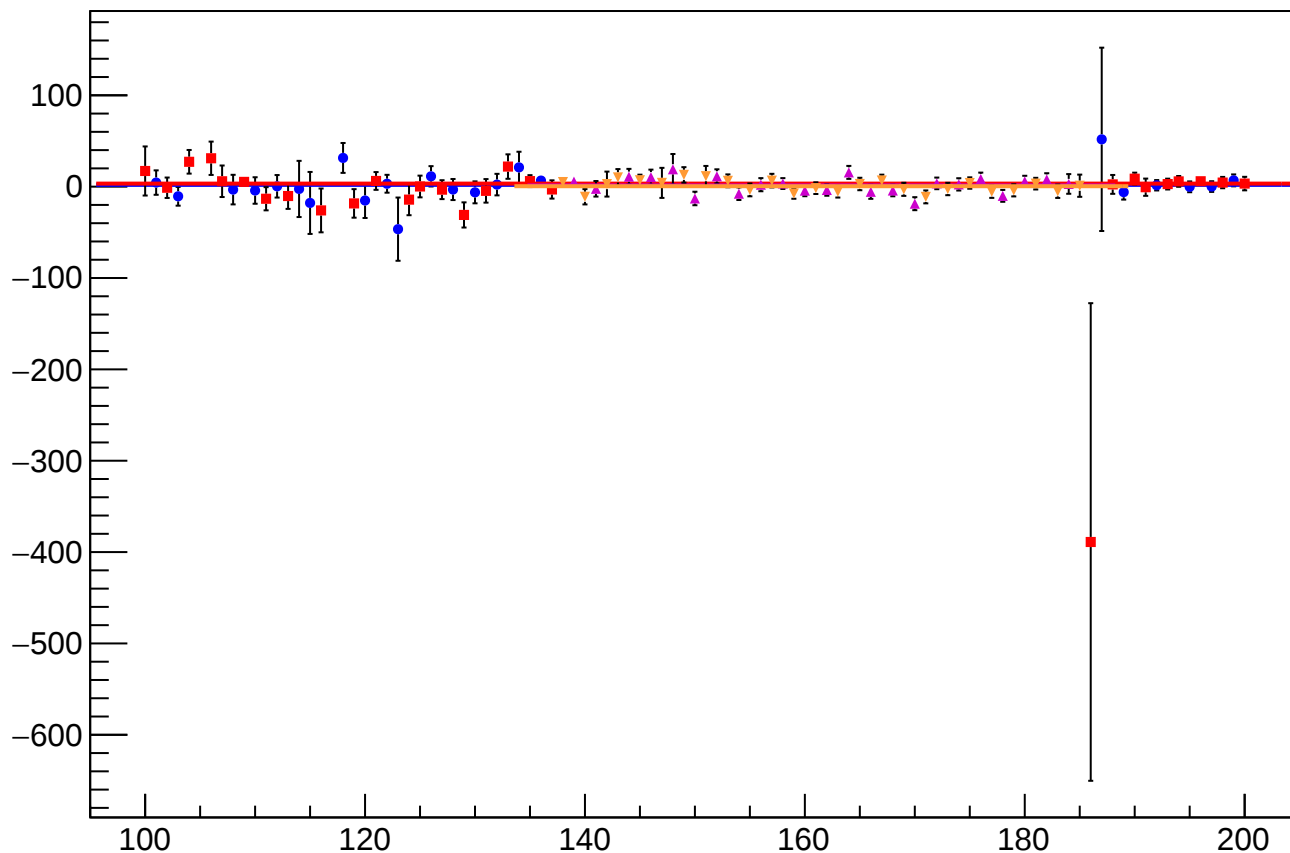
Left In: 8621.975+/-1.471 χ^2/NDF : 230824.4/22

+ sign 9531.321+/-1.319 χ^2/NDF : 5588457.5/47

All: 9686.779+/-0.944 χ^2/NDF : 12876145.4/50

- sign 9849.842+/-1.351 χ^2/NDF : 7259235.7/50

diff_bpm1Y_mean vs Slug



Right In: 1.951 $\pm$ 1.966 χ^2 /NDF: 13.9/22

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

Right Out: 3.332 $\pm$ 1.697 χ^2 /NDF: 26.7/27

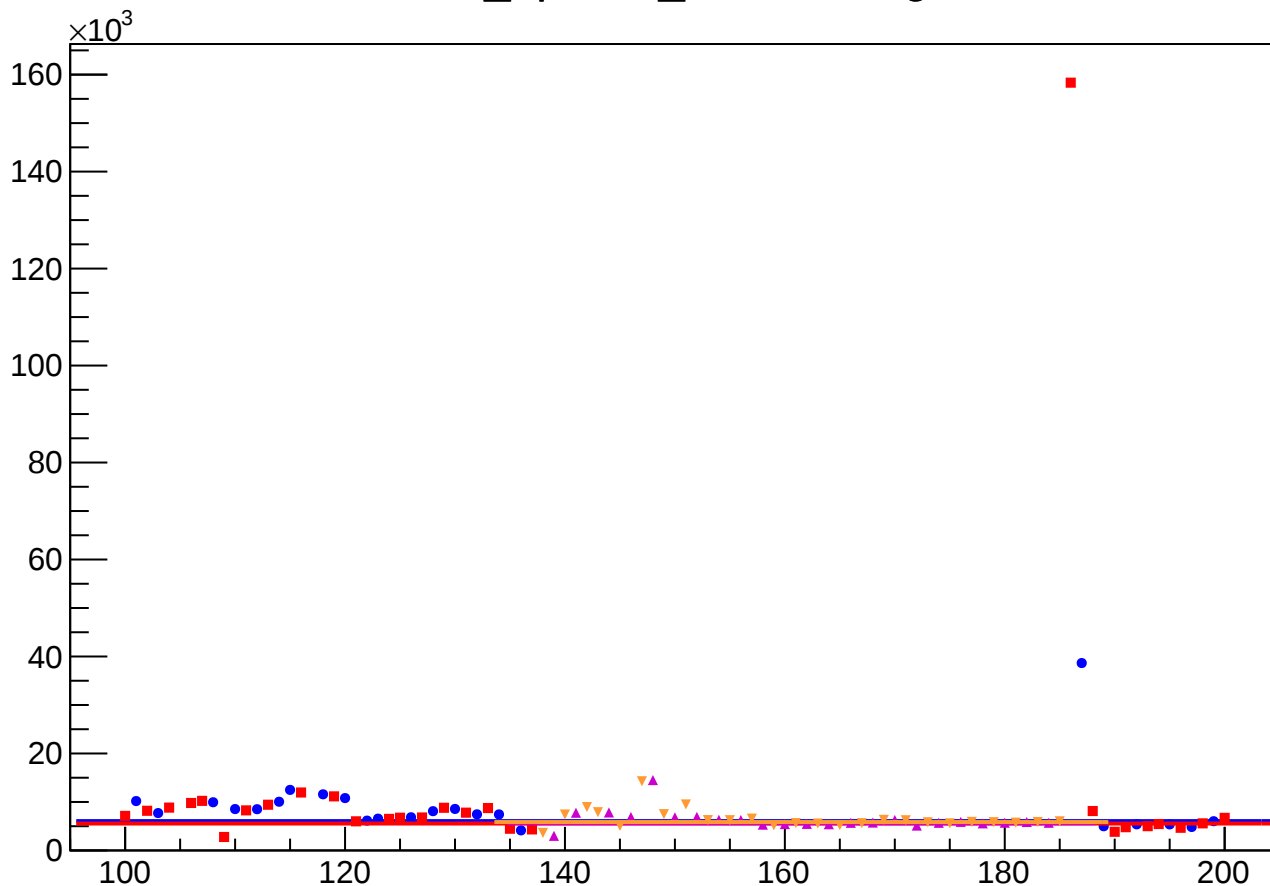
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

+ sign 0.984 $\pm$ 1.151 χ^2 /NDF: 33.8/47

All: 1.590 $\pm$ 0.789 χ^2 /NDF: 94.9/98

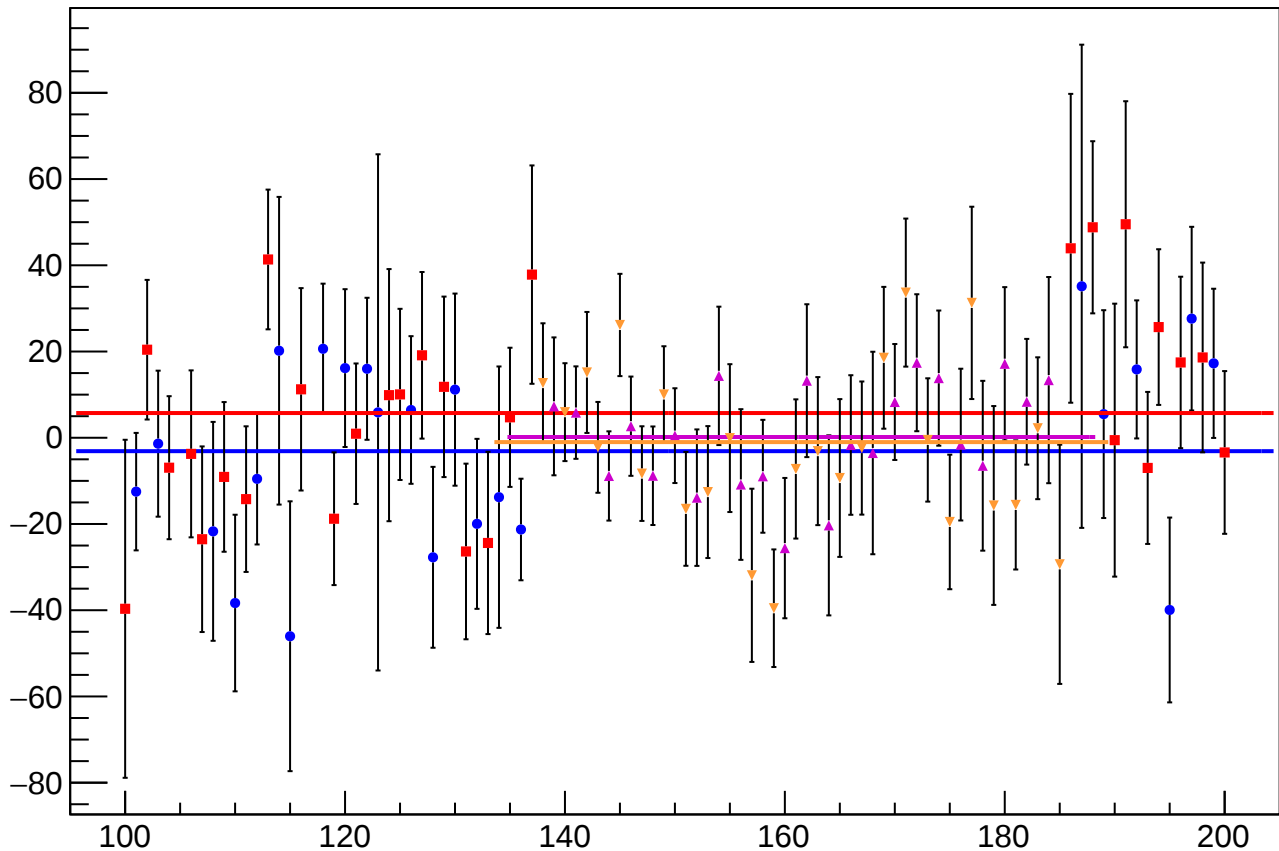
- sign 2.126 $\pm$ 1.083 χ^2 /NDF: 60.6/50

diff_bpm1Y_rms vs Slug



Right In: 6051.219 $\pm$ 1.390	χ^2/NDF : 1895171.9/22	+ sign 5924.606 $\pm$ 0.814	χ^2/NDF : 3599129.6/47
Left Out: 5858.642 $\pm$ 1.004	χ^2/NDF : 1691344.1/24	All: 5741.805 $\pm$ 0.558	χ^2/NDF : 9167786.1/98
Right Out: 5555.355 $\pm$ 1.200	χ^2/NDF : 3383051.3/27	- sign 5579.973 $\pm$ 0.766	χ^2/NDF : 5473511.4/50
Left In: 5596.879 $\pm$ 0.994	χ^2/NDF : 2089750.1/22		

diff_bpm11X_mean vs Slug



Right In: -3.111 ± 4.000 $\chi^2/\text{NDF}: 25.2/22$

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

Right Out: 5.734 ± 3.745 $\chi^2/\text{NDF}: 32.1/27$

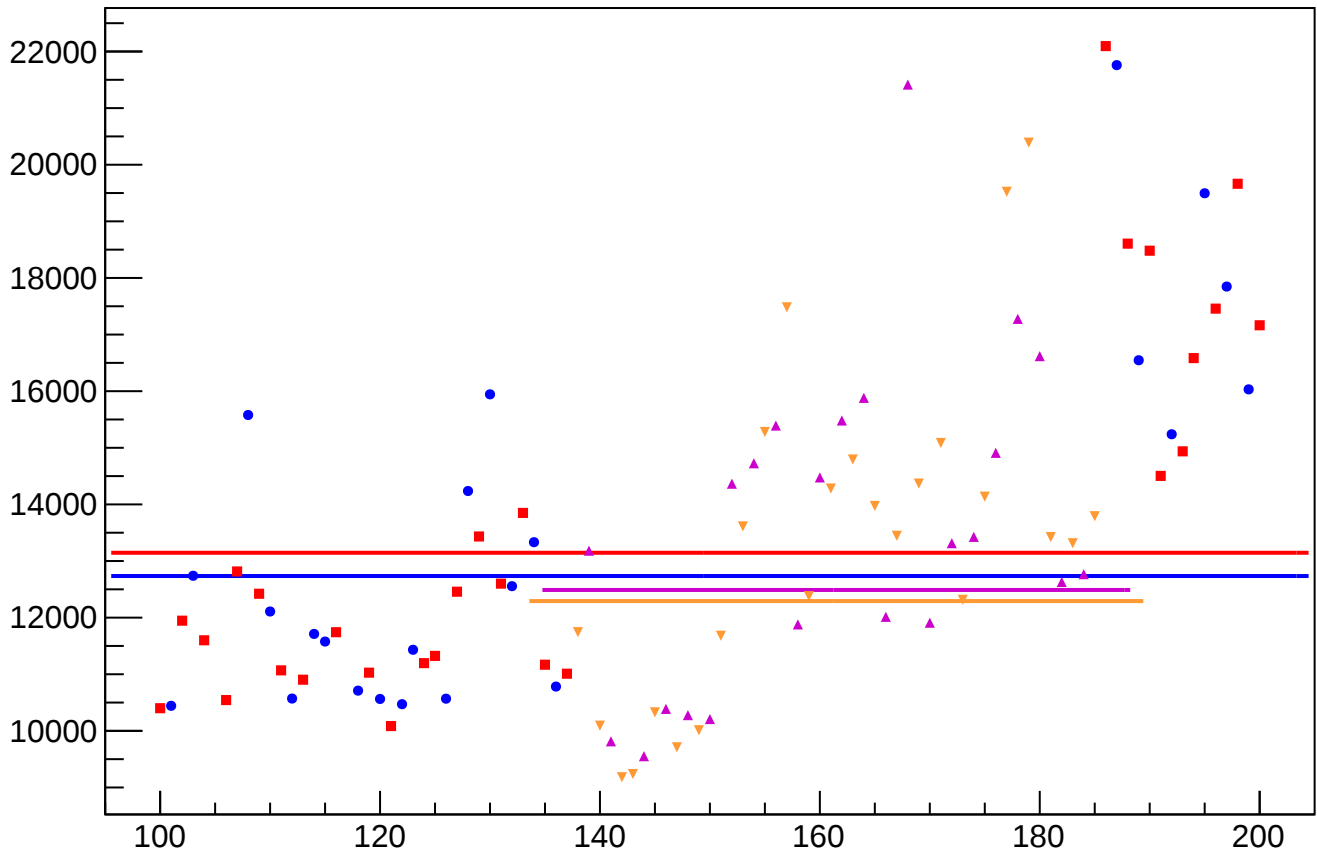
Left In: 0.172 ± 3.067 $\chi^2/\text{NDF}: 12.4/22$

+ sign -1.745 ± 2.370 $\chi^2/\text{NDF}: 58.8/47$

All: 0.327 ± 1.677 $\chi^2/\text{NDF}: 106.1/98$

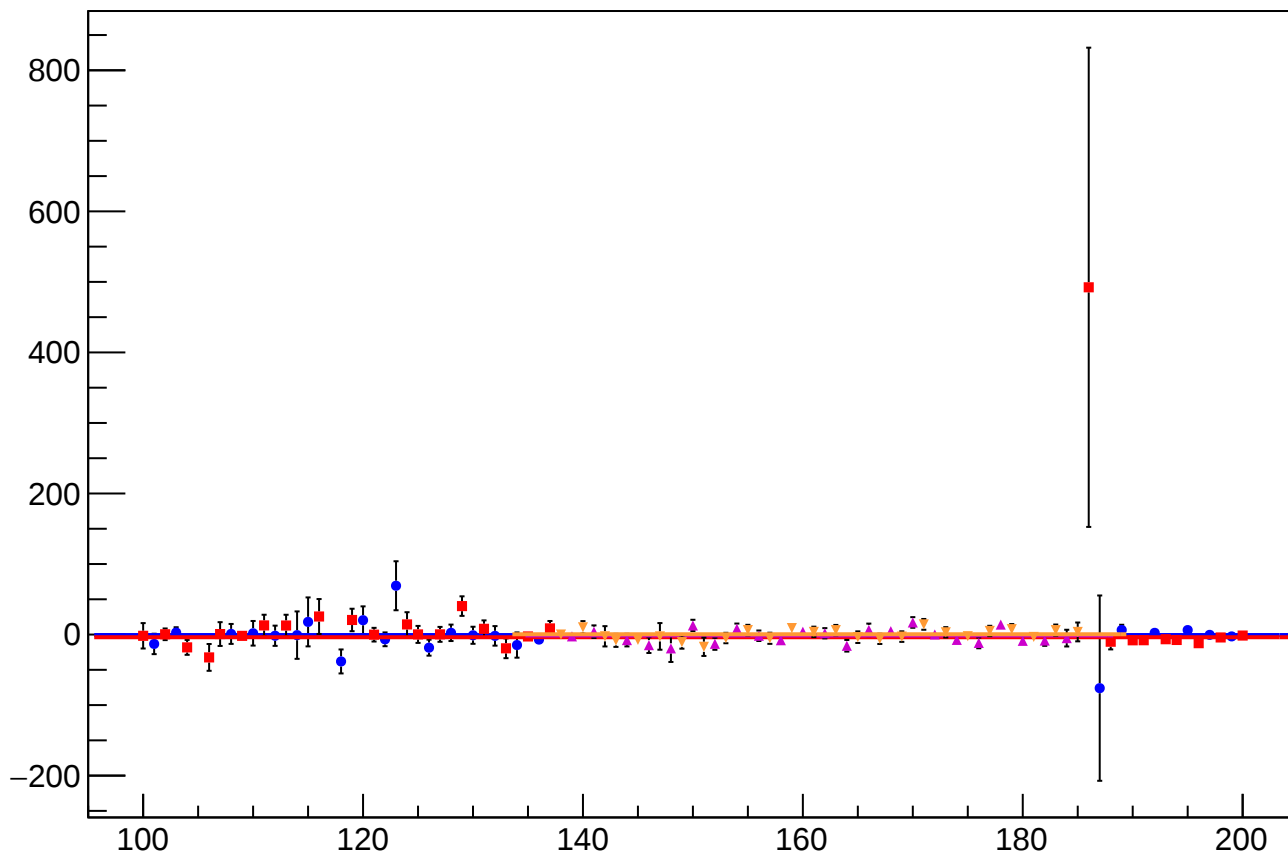
- sign 2.405 ± 2.373 $\chi^2/\text{NDF}: 45.8/50$

diff_bpm11X_rms vs Slug



Right In: 12734.955 $\pm$ 2.828	χ^2 /NDF: 908678.6/22	+ sign 12447.854 $\pm$ 1.676	χ^2 /NDF: 2427103.3/47
Left Out: 12292.583 $\pm$ 2.080	χ^2 /NDF: 1502548.3/24	All: 12600.021 $\pm$ 1.186	χ^2 /NDF: 4963323.0/50
Right Out: 13145.928 $\pm$ 2.648	χ^2 /NDF: 1128369.3/27	- sign 12752.611 $\pm$ 1.678	χ^2 /NDF: 2519703.7/50
Left In: 12488.821 $\pm$ 2.169	χ^2 /NDF: 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: -0.682 ± 1.787 χ^2/NDF : 20.7/22

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

Right Out: -3.808 ± 1.539 χ^2/NDF : 33.4/27

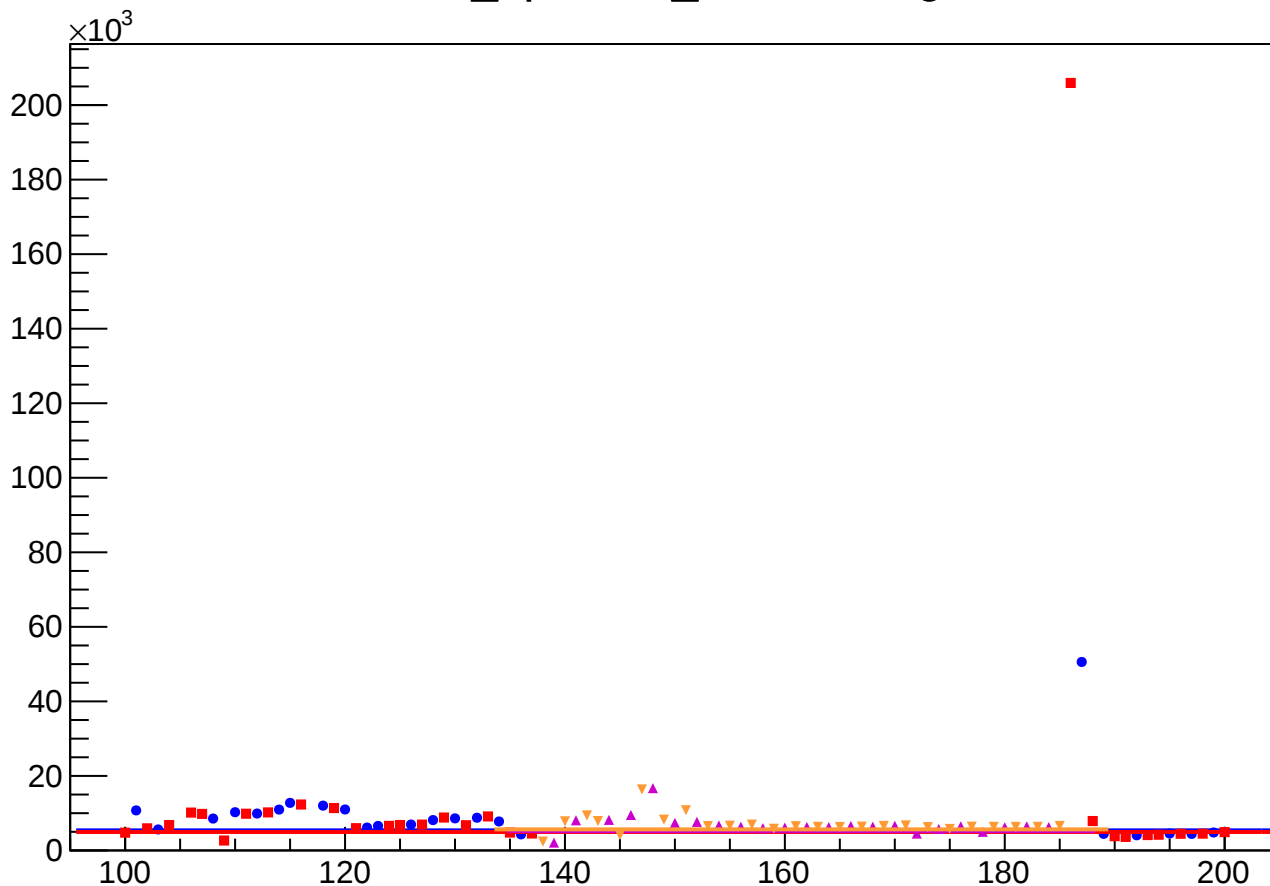
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign -0.018 ± 1.119 χ^2/NDF : 40.2/47

All: -1.313 ± 0.758 χ^2/NDF : 111.5/98

- sign -2.411 ± 1.030 χ^2/NDF : 68.9/50

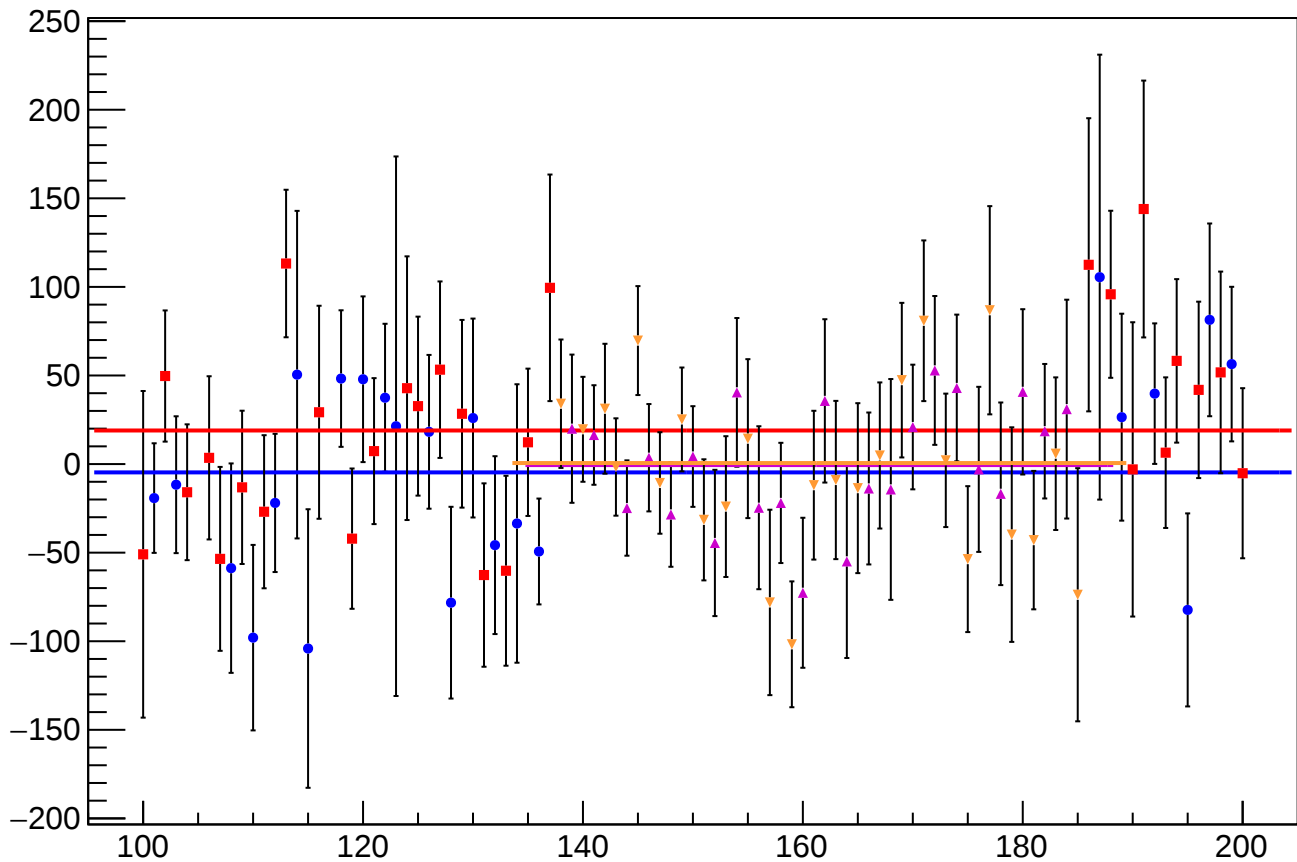
diff_bpm11Y_rms vs Slug



Right In: 5388.705 ± 1.264 χ^2/NDF : 2510432.5/22
 Left Out: 5655.639 ± 1.014 χ^2/NDF : 4124124.3/24
 Right Out: 4960.005 ± 1.088 χ^2/NDF : 3488925.9/27
 Left In: 5180.743 ± 0.980 χ^2/NDF : 5350053.6/22

+ sign 5551.035 ± 0.791 χ^2/NDF : 6661691.7/47
 All: 5297.062 ± 0.536 χ^2/NDF : 15713798.1/50
 - sign 5081.894 ± 0.728 χ^2/NDF : 8861705.5/50

diff_bpm12X_mean vs Slug



Right In: -4.701 ± 9.944 $\chi^2/\text{NDF}: 24.9/22$

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

Right Out: 18.956 ± 9.326 $\chi^2/\text{NDF}: 29.0/27$

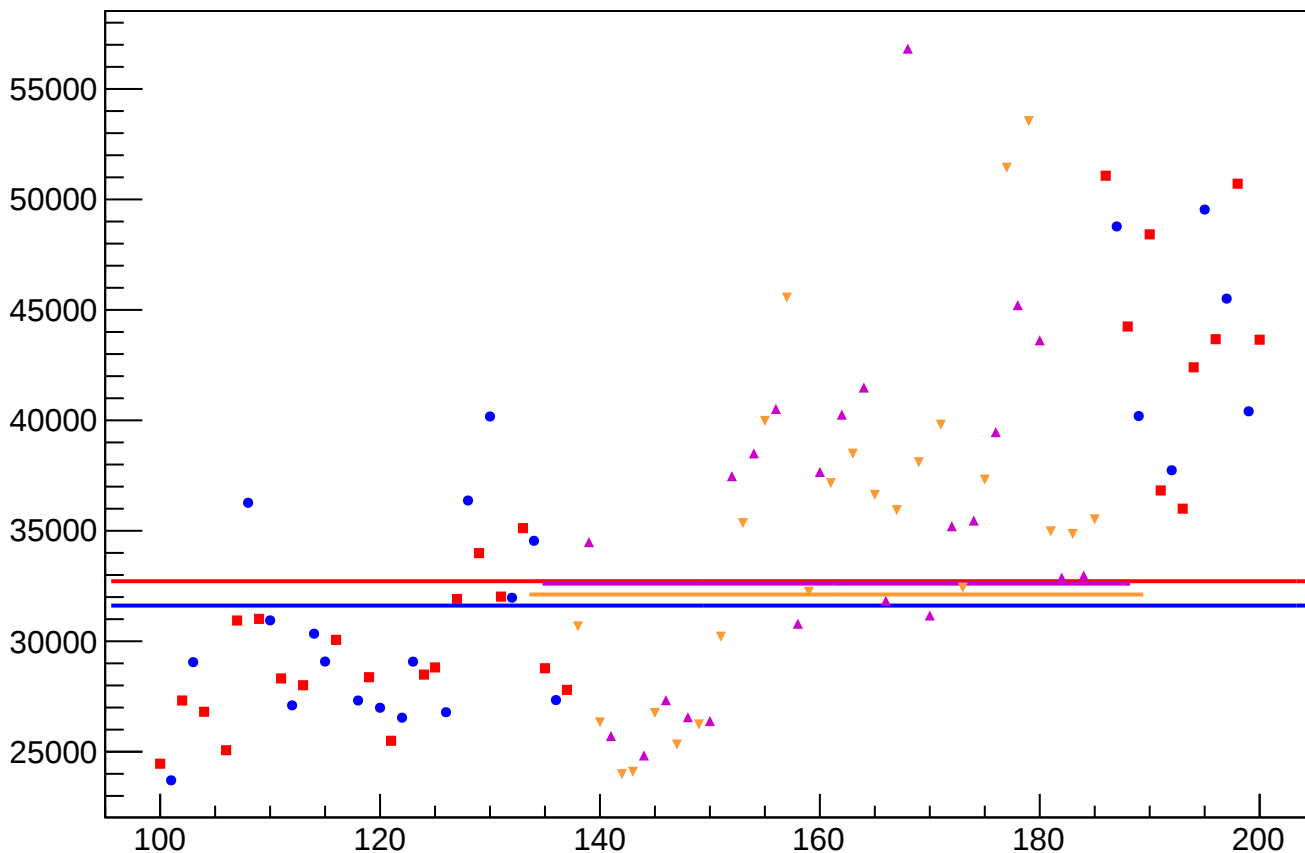
Left In: -0.565 ± 8.015 $\chi^2/\text{NDF}: 14.3/22$

+ sign -1.397 ± 6.084 $\chi^2/\text{NDF}: 56.1/47$

All: 3.170 ± 4.300 $\chi^2/\text{NDF}: 103.0/98$

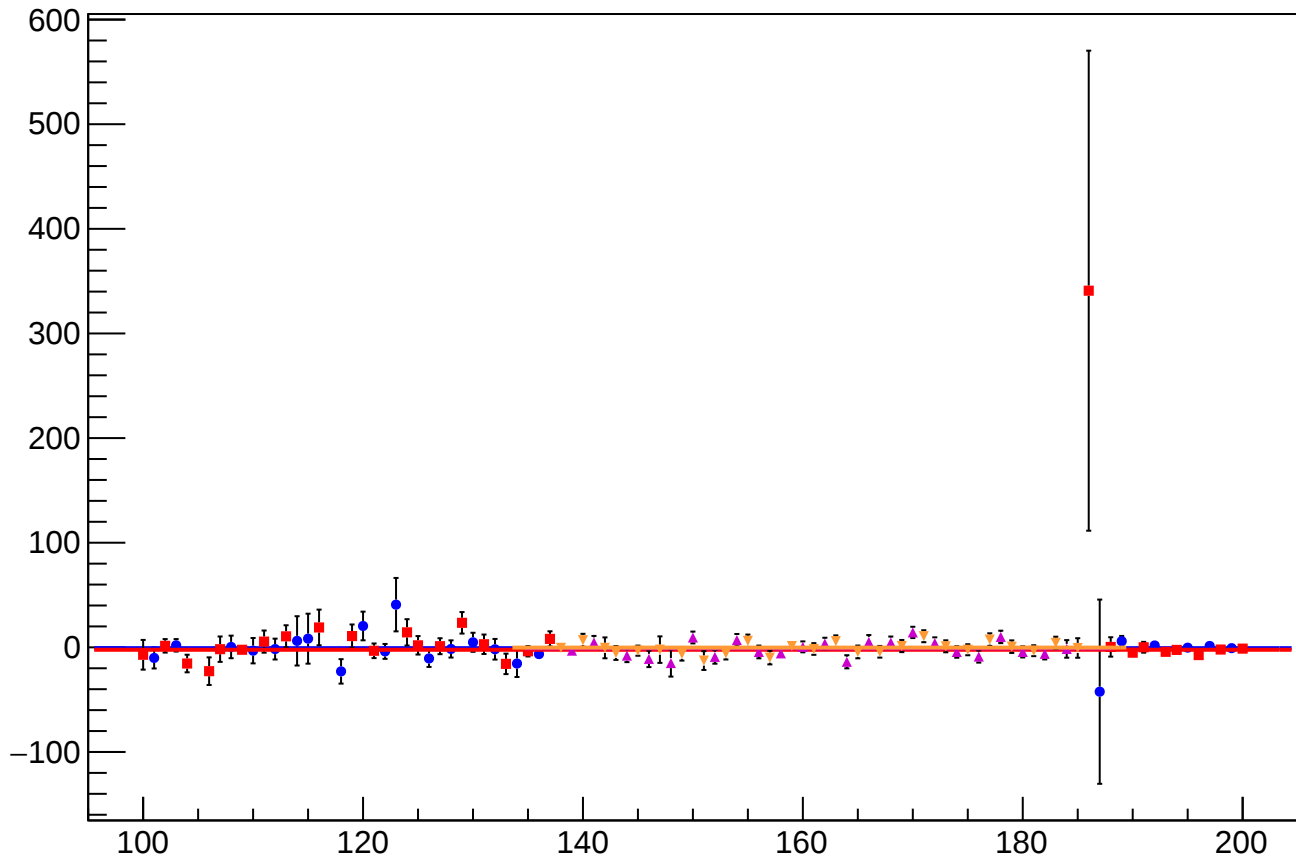
- sign 7.728 ± 6.078 $\chi^2/\text{NDF}: 45.8/50$

diff_bpm12X_rms vs Slug



Right In: 31615.734+/-7.032	χ^2/NDF : 943254.1/22	+ sign 31929.512+/-4.302	χ^2/NDF : 2483176.4/47
Left Out: 32117.184+/-5.438	χ^2/NDF : 1536740.0/24	All: 32293.092+/-3.040	χ^2/NDF : 5049488.3/50
Right Out: 32718.226+/-6.594	χ^2/NDF : 1153406.7/27	- sign 32656.039+/-4.298	χ^2/NDF : 2552037.1/50
Left In: 32610.108+/-5.667	χ^2/NDF : 1398475.8/22		

diff_bpm12Y_mean vs Slug



Right In: -0.776 ± 1.240 χ^2/NDF : 19.2/22

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

Right Out: -2.314 ± 1.112 χ^2/NDF : 29.1/27

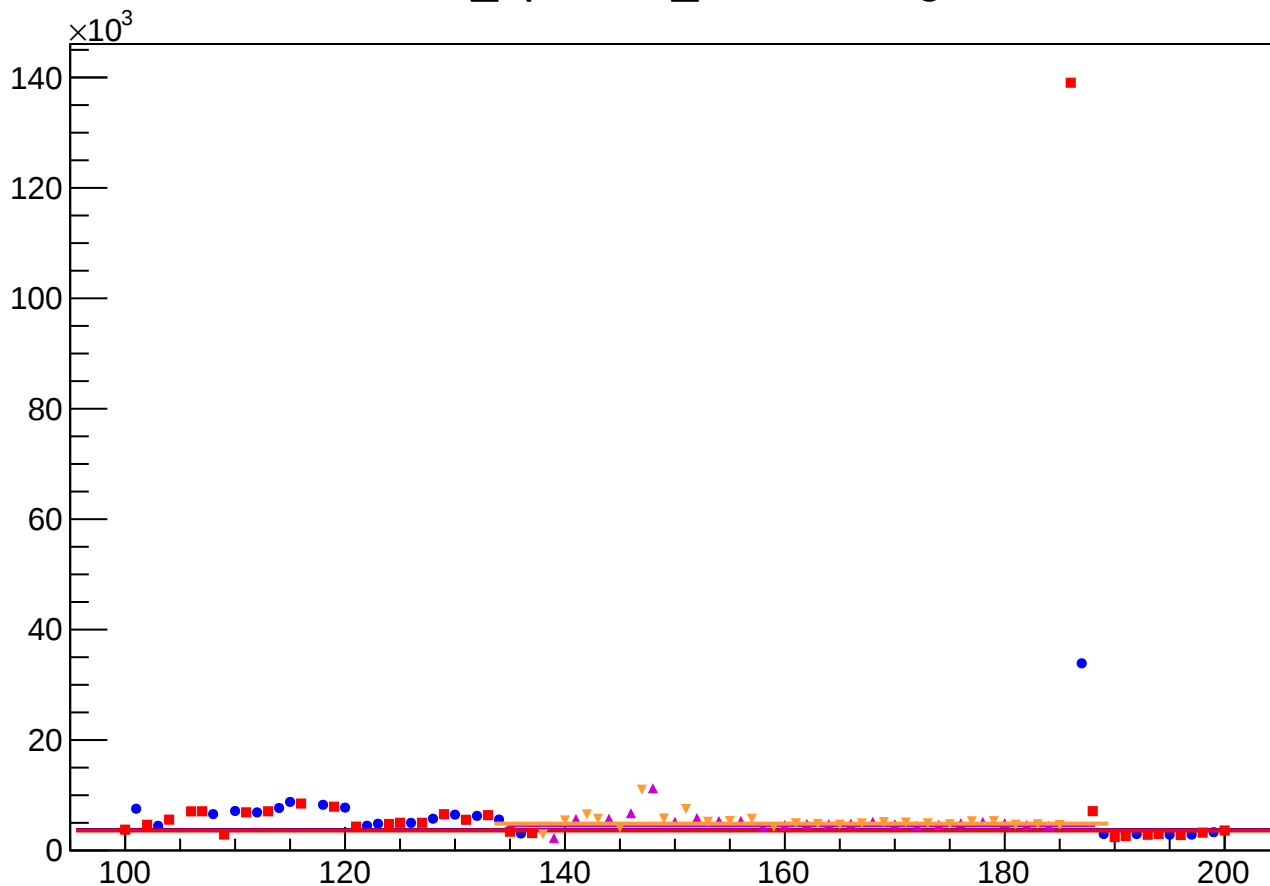
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign -0.501 ± 0.852 χ^2/NDF : 37.4/47

All: -1.109 ± 0.583 χ^2/NDF : 104.3/98

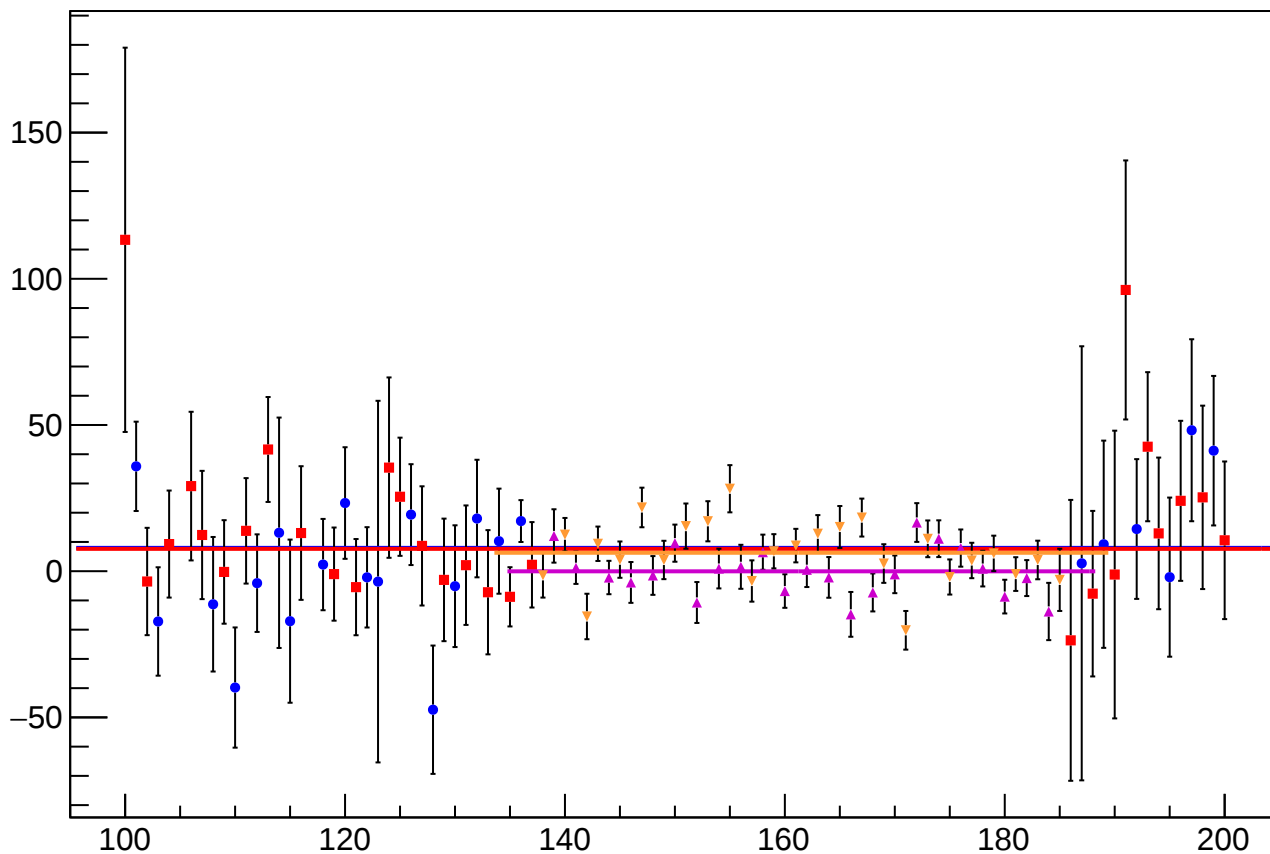
- sign -1.646 ± 0.801 χ^2/NDF : 65.9/50

diff_bpm12Y_rms vs Slug



Right In: 3715.776 ± 0.877 $\chi^2/\text{NDF}: 2774637.1/22$ + sign 4323.150 ± 0.603 $\chi^2/\text{NDF}: 5195222.3/47$
 Left Out: 4866.528 ± 0.829 $\chi^2/\text{NDF}: 1511486.2/24$ All: 4194.523 ± 0.413 $\chi^2/\text{NDF}: 12016265.9/9$
 Right Out: 3615.673 ± 0.786 $\chi^2/\text{NDF}: 3528683.4/27$ - sign 4080.999 ± 0.566 $\chi^2/\text{NDF}: 6735247.3/50$
 Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

diff_bpm16X_mean vs Slug



Right In: 7.977 ± 3.865 χ^2/NDF : 26.5/22

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

Right Out: 7.642 ± 3.912 χ^2/NDF : 21.1/27

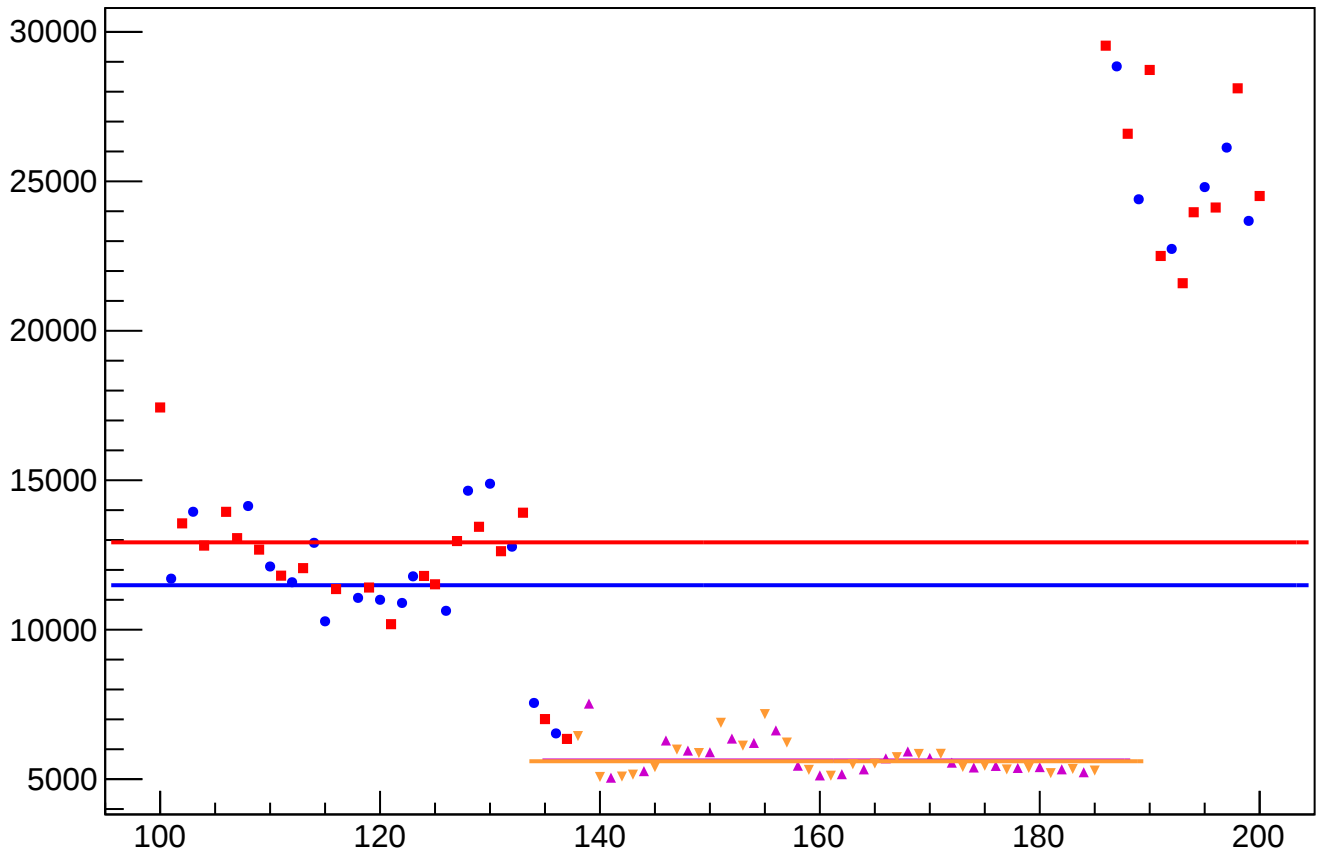
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.475 ± 1.243 χ^2/NDF : 83.3/47

All: 3.718 ± 0.893 χ^2/NDF : 148.1/98

- sign 0.782 ± 1.283 χ^2/NDF : 54.6/50

diff_bpm16X_rms vs Slug



Right In: 11487.737 $\pm$ 2.733 χ^2 /NDF: 3433527.1/22

Left Out: 5598.786 $\pm$ 0.928 χ^2 /NDF: 283253.4/24

Right Out: 12922.300 $\pm$ 2.767 χ^2 /NDF: 3990009.6/27

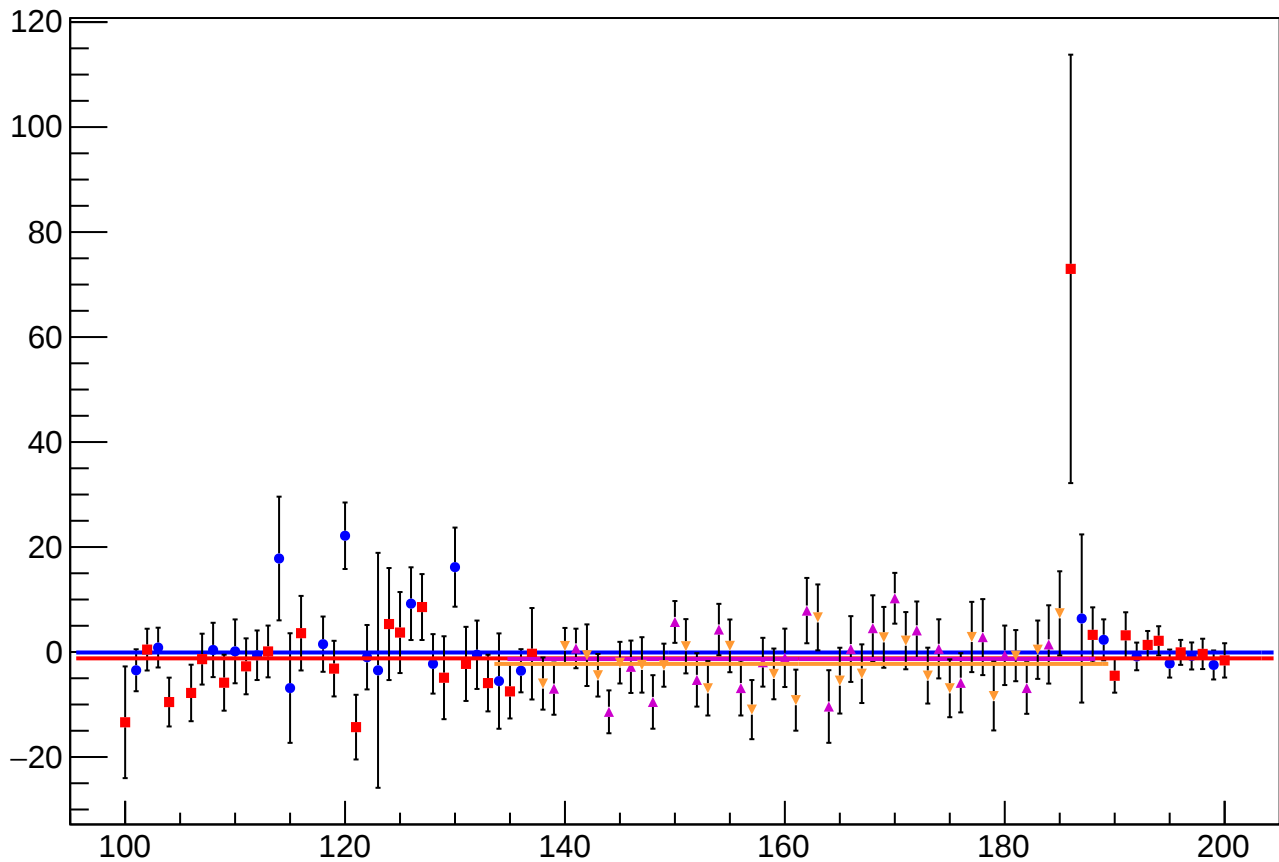
Left In: 5625.163 $\pm$ 0.960 χ^2 /NDF: 272563.5/22

+ sign 6207.750 $\pm$ 0.879 χ^2 /NDF: 7879961.7/47

All: 6305.430 $\pm$ 0.631 χ^2 /NDF: 18377359.7/9

- sign 6409.475 $\pm$ 0.907 χ^2 /NDF: 10471884.7/50

diff_bpm16Y_mean vs Slug



Right In: -0.090 $\pm$ 0.933 χ^2/NDF : 25.7/22

Left Out: -2.262 $\pm$ 1.030 χ^2/NDF : 15.5/24

Right Out: -1.211 $\pm$ 0.843 χ^2/NDF : 26.7/27

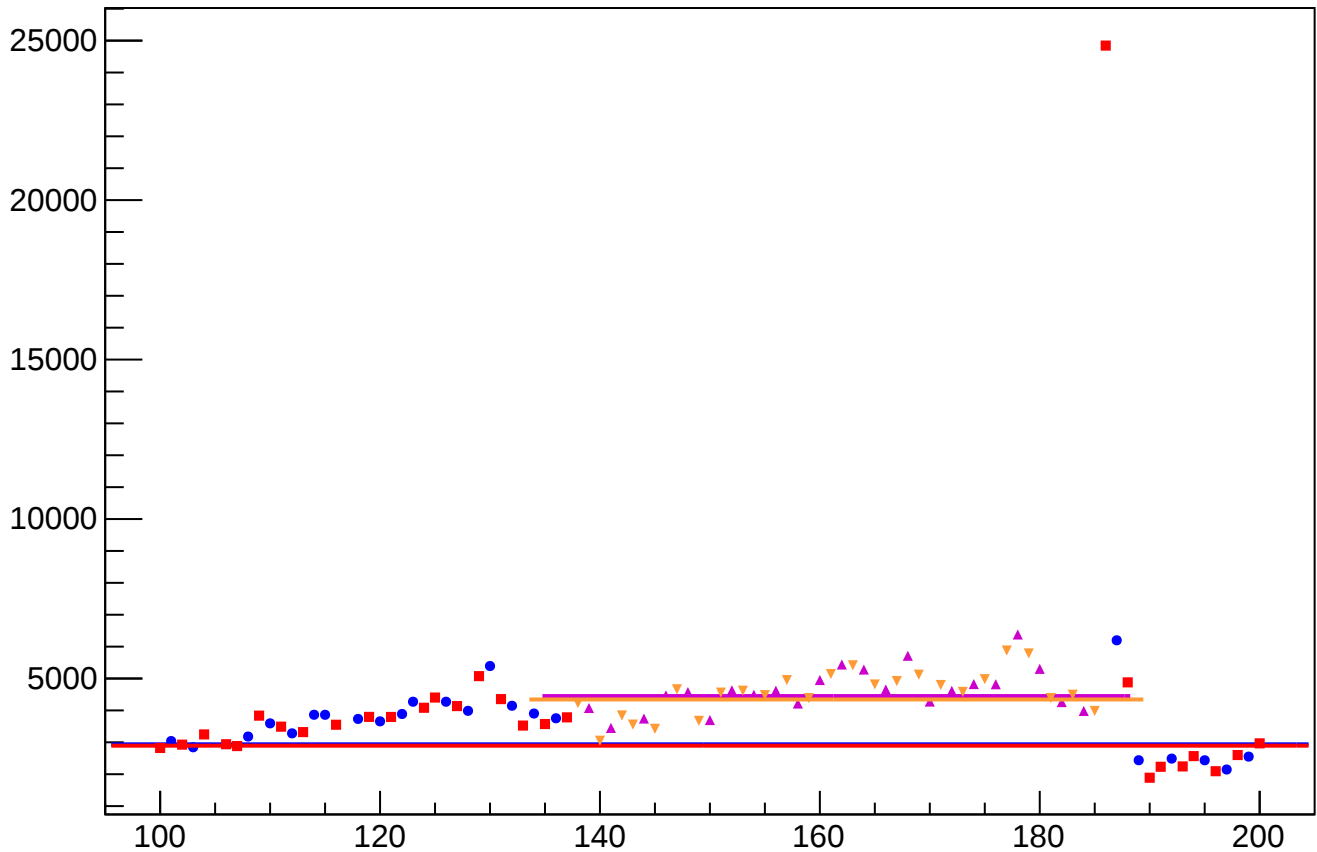
Left In: -1.328 $\pm$ 1.082 χ^2/NDF : 30.6/22

+ sign -1.069 $\pm$ 0.692 χ^2/NDF : 43.7/47

All: -1.166 $\pm$ 0.479 χ^2/NDF : 101.0/98

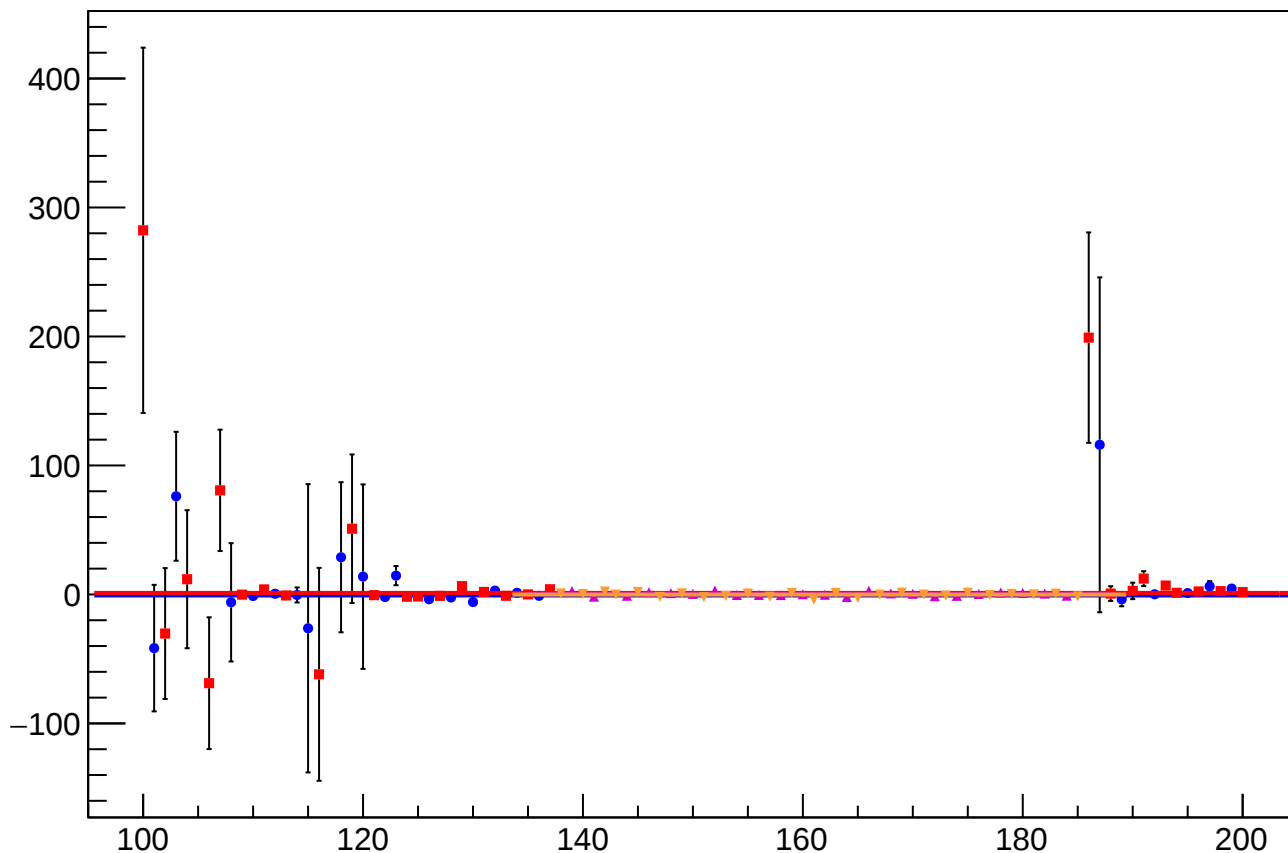
- sign -1.255 $\pm$ 0.665 χ^2/NDF : 57.3/50

diff_bpm16Y_rms vs Slug



Right In: 2936.950 ± 0.660 $\chi^2/\text{NDF}: 1191943.0/22$ + sign 3570.733 ± 0.489 $\chi^2/\text{NDF}: 4229936.2/47$
 Left Out: 4342.635 ± 0.728 $\chi^2/\text{NDF}: 993035.5/24$ All: 3524.602 ± 0.339 $\chi^2/\text{NDF}: 9745458.4/98$
 Right Out: 2894.291 ± 0.596 $\chi^2/\text{NDF}: 2232445.1/27$ - sign 3481.962 ± 0.470 $\chi^2/\text{NDF}: 5498404.5/50$
 Left In: 4450.007 ± 0.765 $\chi^2/\text{NDF}: 693229.8/22$

diff_bpm1p02bX_mean vs Slug



Right In: -0.792 ± 0.682 χ^2/NDF : 24.6/22

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

Right Out: 1.200 ± 0.639 χ^2/NDF : 34.4/27

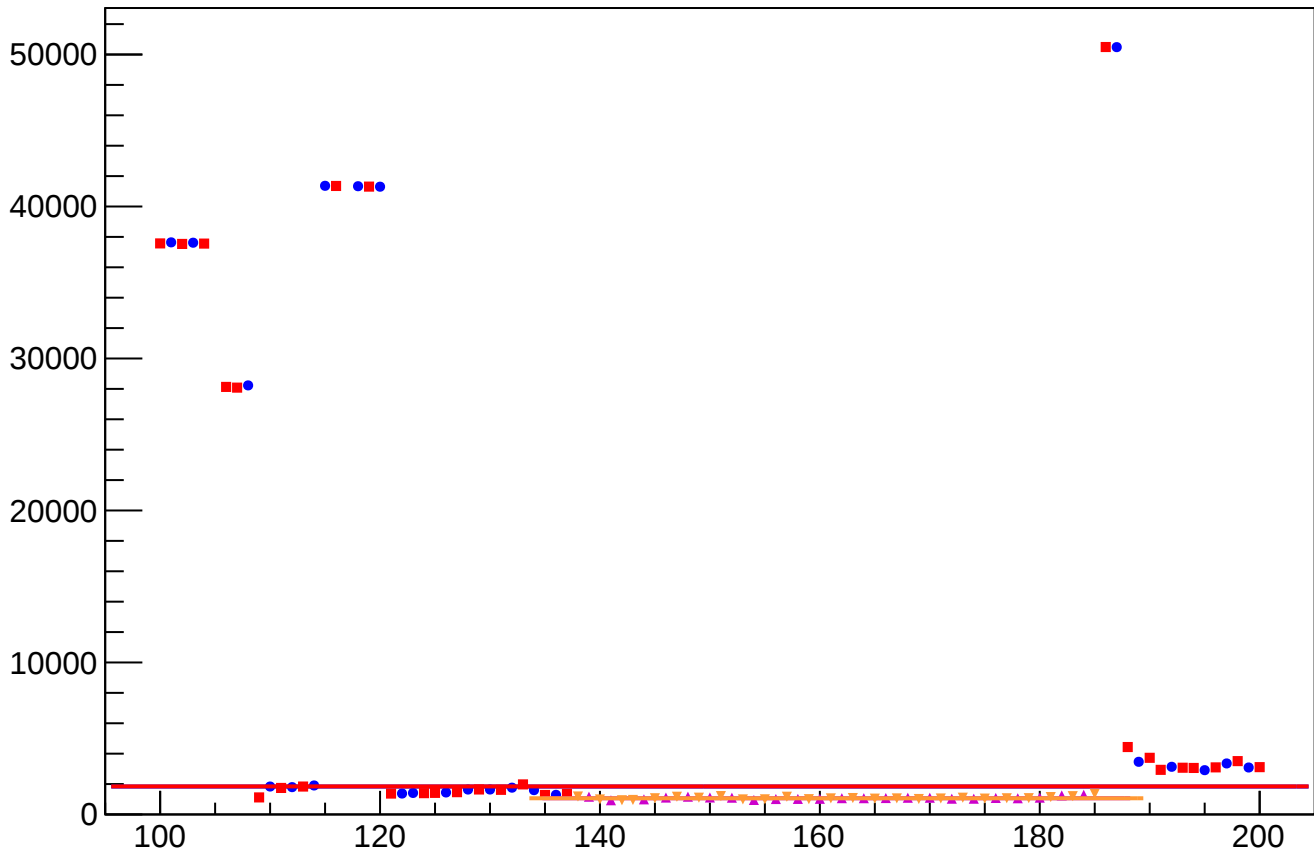
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.174 ± 0.234 χ^2/NDF : 59.9/47

All: 0.103 ± 0.167 χ^2/NDF : 126.2/98

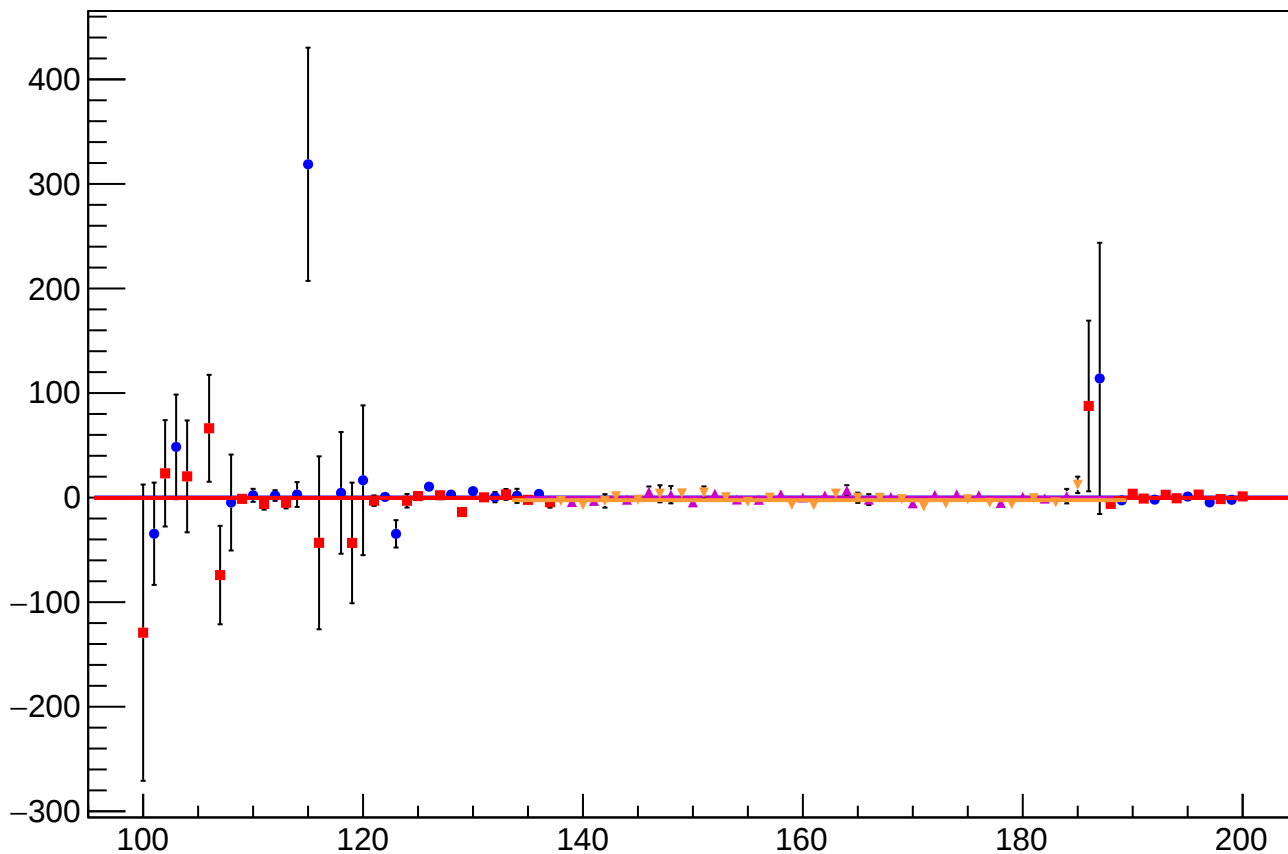
- sign 0.390 ± 0.238 χ^2/NDF : 63.4/50

diff_bpm1p02bX_rms vs Slug



Right In: 1835.799 ± 0.482 $\chi^2/\text{NDF}: 6587042.6/22$ + sign 1155.395 ± 0.165 $\chi^2/\text{NDF}: 9028648.2/47$
 Left Out: 1064.701 ± 0.176 $\chi^2/\text{NDF}: 186511.5/24$ All: 1164.943 ± 0.118 $\chi^2/\text{NDF}: 19894484.4/50$
 Right Out: 1845.981 ± 0.452 $\chi^2/\text{NDF}: 8129932.3/27$ - sign 1174.858 ± 0.169 $\chi^2/\text{NDF}: 10859045.0/50$
 Left In: 1066.255 ± 0.182 $\chi^2/\text{NDF}: 164232.1/22$

diff_bpm1p02bY_mean vs Slug



Right In: 0.069 ± 0.820 χ^2/NDF : 35.3/22

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

Right Out: -0.313 ± 0.746 χ^2/NDF : 28.1/27

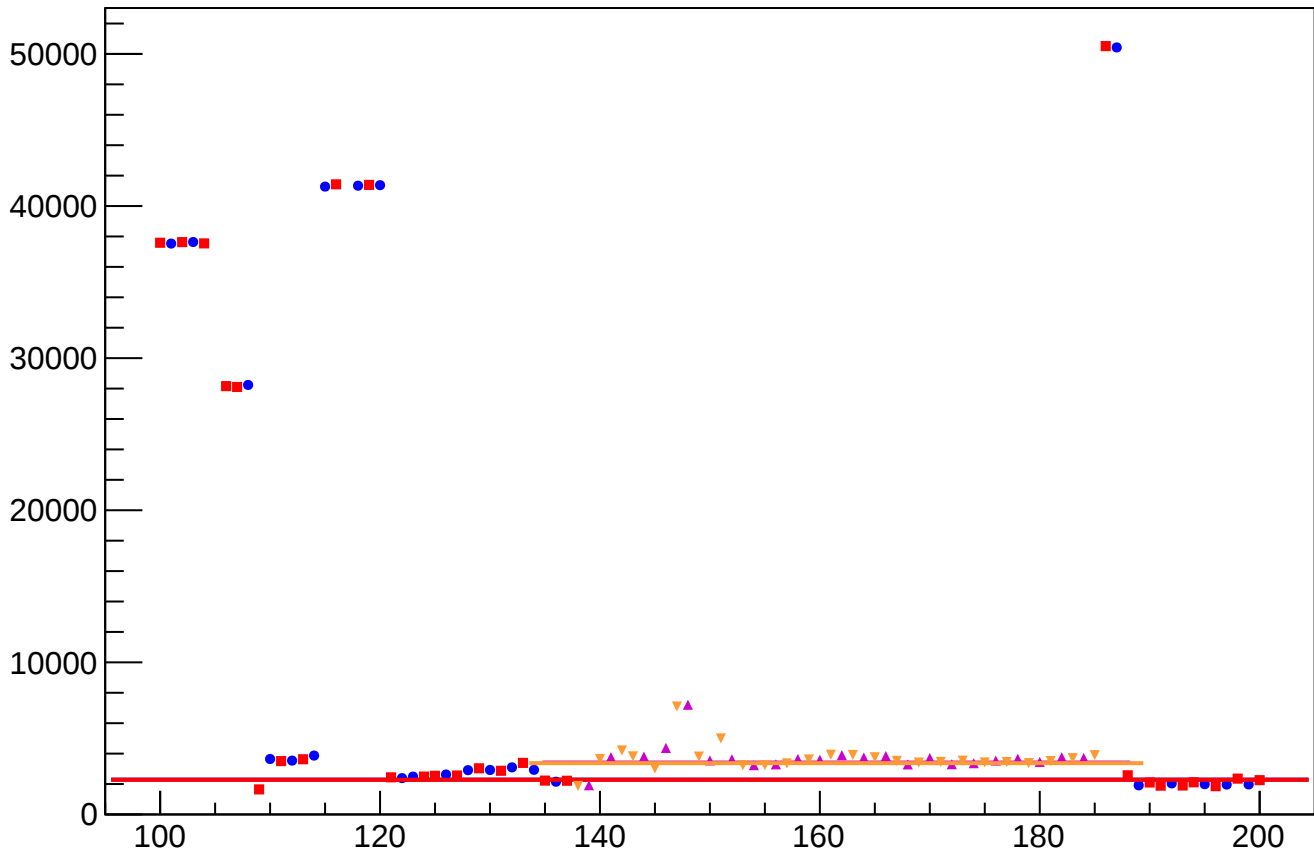
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -1.191 ± 0.577 χ^2/NDF : 61.2/47

All: -0.774 ± 0.401 χ^2/NDF : 105.8/98

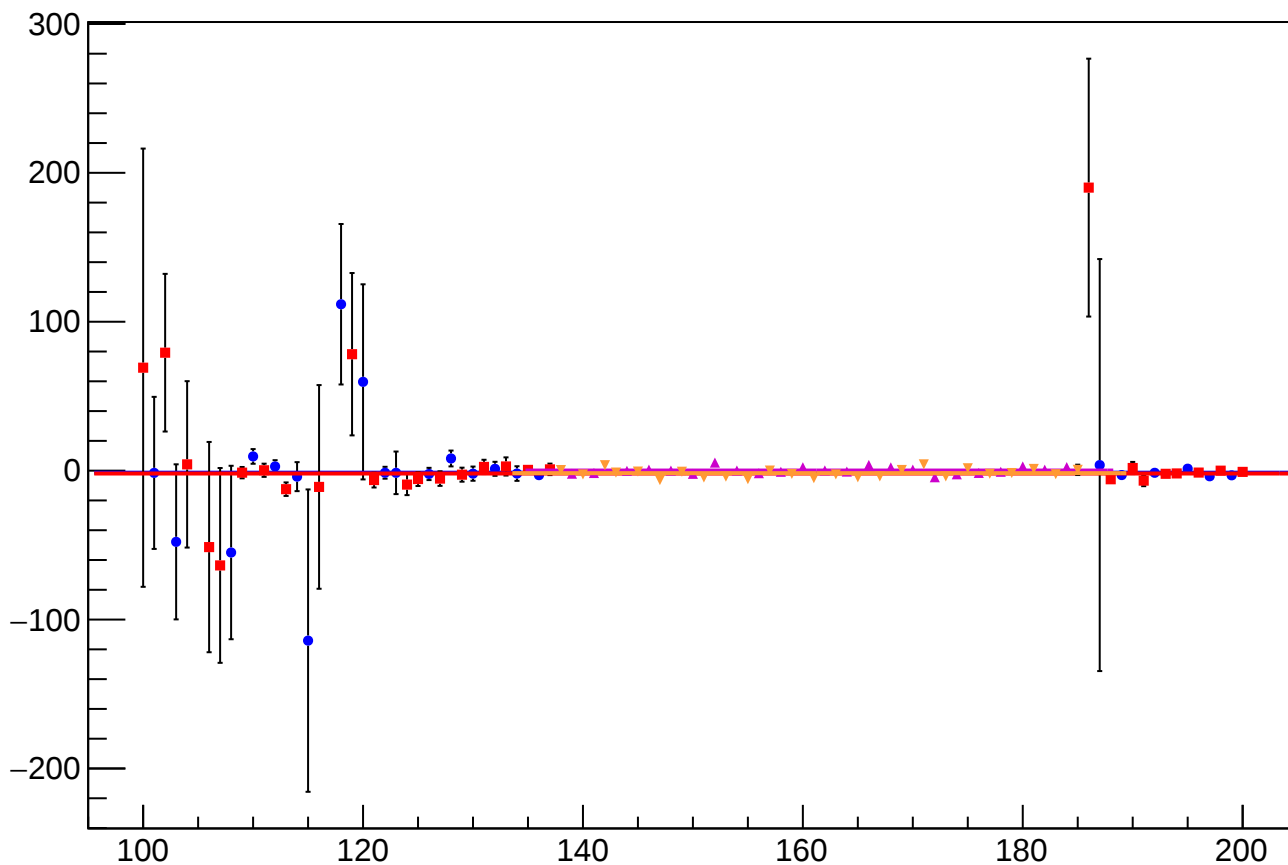
- sign -0.381 ± 0.559 χ^2/NDF : 43.6/50

diff_bpm1p02bY_rms vs Slug



Right In: 2292.561 ± 0.580 $\chi^2/\text{NDF}: 5305332.5/22$ + sign 2839.252 ± 0.408 $\chi^2/\text{NDF}: 8717544.5/47$
 Left Out: 3372.958 ± 0.573 $\chi^2/\text{NDF}: 1656864.7/24$ All: 2806.932 ± 0.284 $\chi^2/\text{NDF}: 18055939.5/50$
 Right Out: 2278.185 ± 0.528 $\chi^2/\text{NDF}: 5863749.6/27$ - sign 2776.571 ± 0.395 $\chi^2/\text{NDF}: 9326207.2/50$
 Left In: 3411.924 ± 0.596 $\chi^2/\text{NDF}: 1434523.7/22$

diff_bpm1p03aX_mean vs Slug



Right In: -1.361 ± 0.802 χ^2/NDF : 21.4/22

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

Right Out: -1.923 ± 0.739 χ^2/NDF : 27.2/27

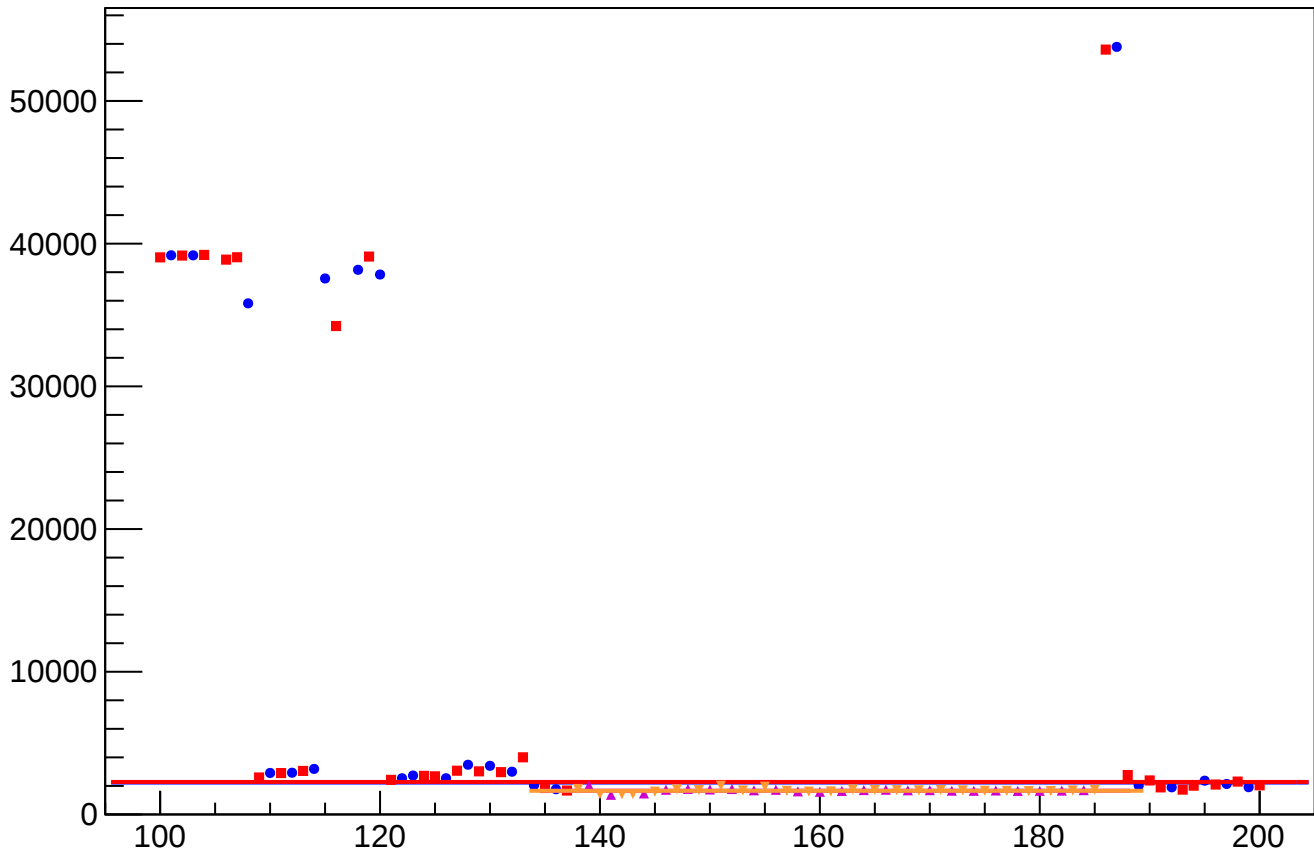
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.613 ± 0.349 χ^2/NDF : 67.2/47

All: -1.003 ± 0.248 χ^2/NDF : 134.4/98

- sign -0.382 ± 0.353 χ^2/NDF : 61.1/50

diff_bpm1p03aX_rms vs Slug



Right In: 2236.734+/-0.567 χ^2/NDF : 5378457.3/22

Left Out: 1657.770+/-0.274 χ^2/NDF : 223465.3/24

Right Out: 2278.527+/-0.523 χ^2/NDF : 5990475.3/27

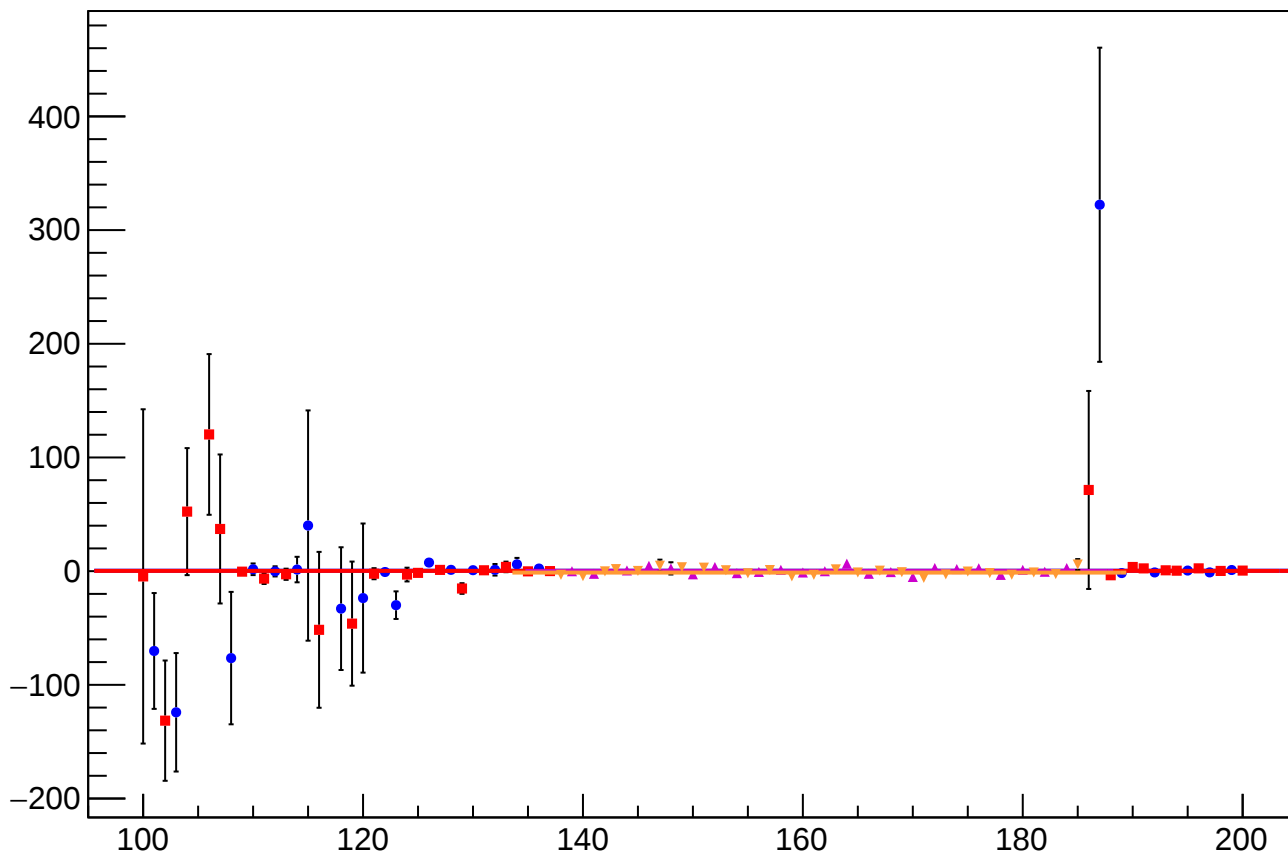
Left In: 1663.620+/-0.284 χ^2/NDF : 178858.2/22

+ sign 1767.526+/-0.247 χ^2/NDF : 6445795.3/47

All: 1785.287+/-0.175 χ^2/NDF : 13694140.5/50

- sign 1803.374+/-0.249 χ^2/NDF : 7237911.3/50

diff_bpm1p03aY_mean vs Slug



Right In: 0.394 $\pm$ 0.684 χ^2/NDF : 29.5/22

Left Out: -1.251 $\pm$ 0.535 χ^2/NDF : 21.7/24

Right Out: 0.226 $\pm$ 0.615 χ^2/NDF : 32.8/27

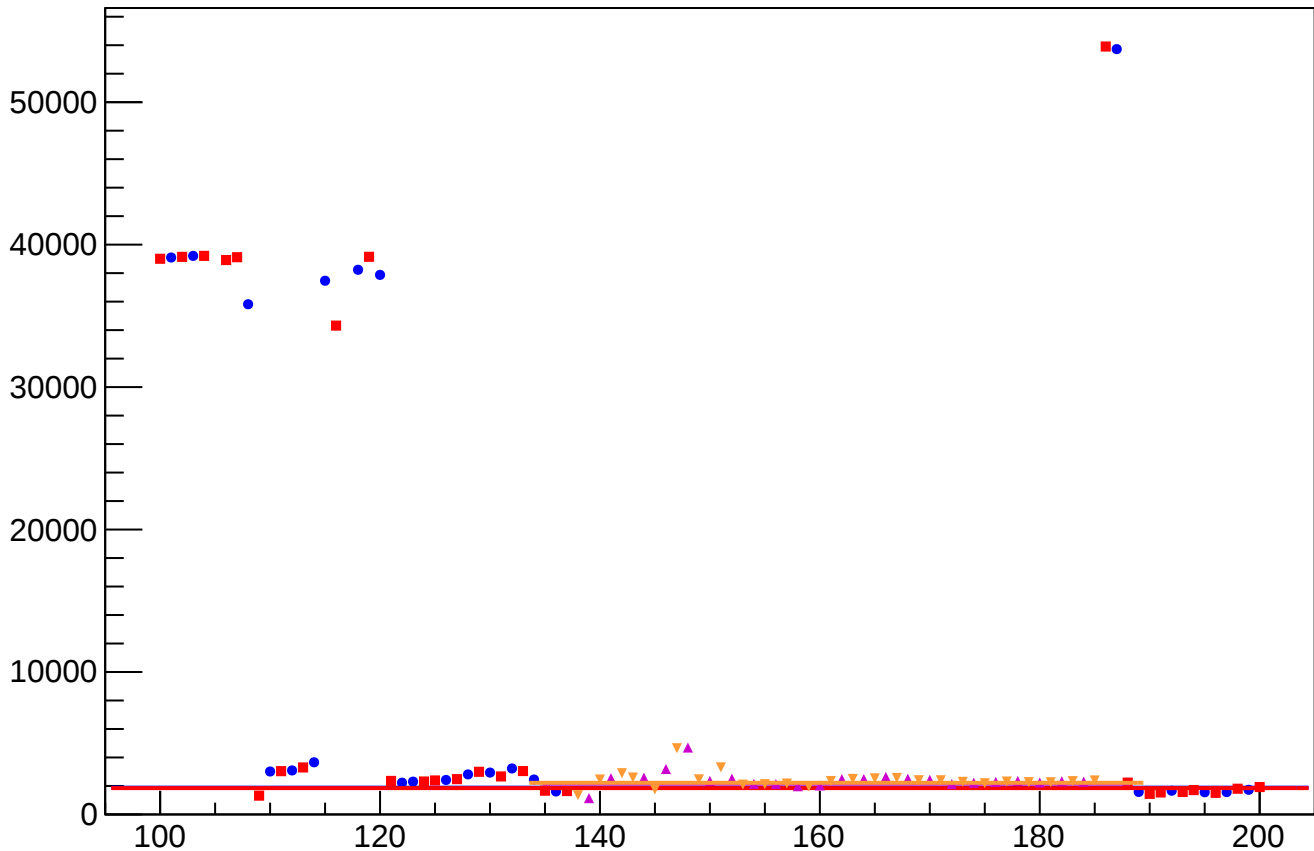
Left In: 0.098 $\pm$ 0.541 χ^2/NDF : 19.3/22

+ sign -0.627 $\pm$ 0.421 χ^2/NDF : 54.8/47

All: -0.222 $\pm$ 0.293 χ^2/NDF : 108.7/98

- sign 0.154 $\pm$ 0.406 χ^2/NDF : 52.1/50

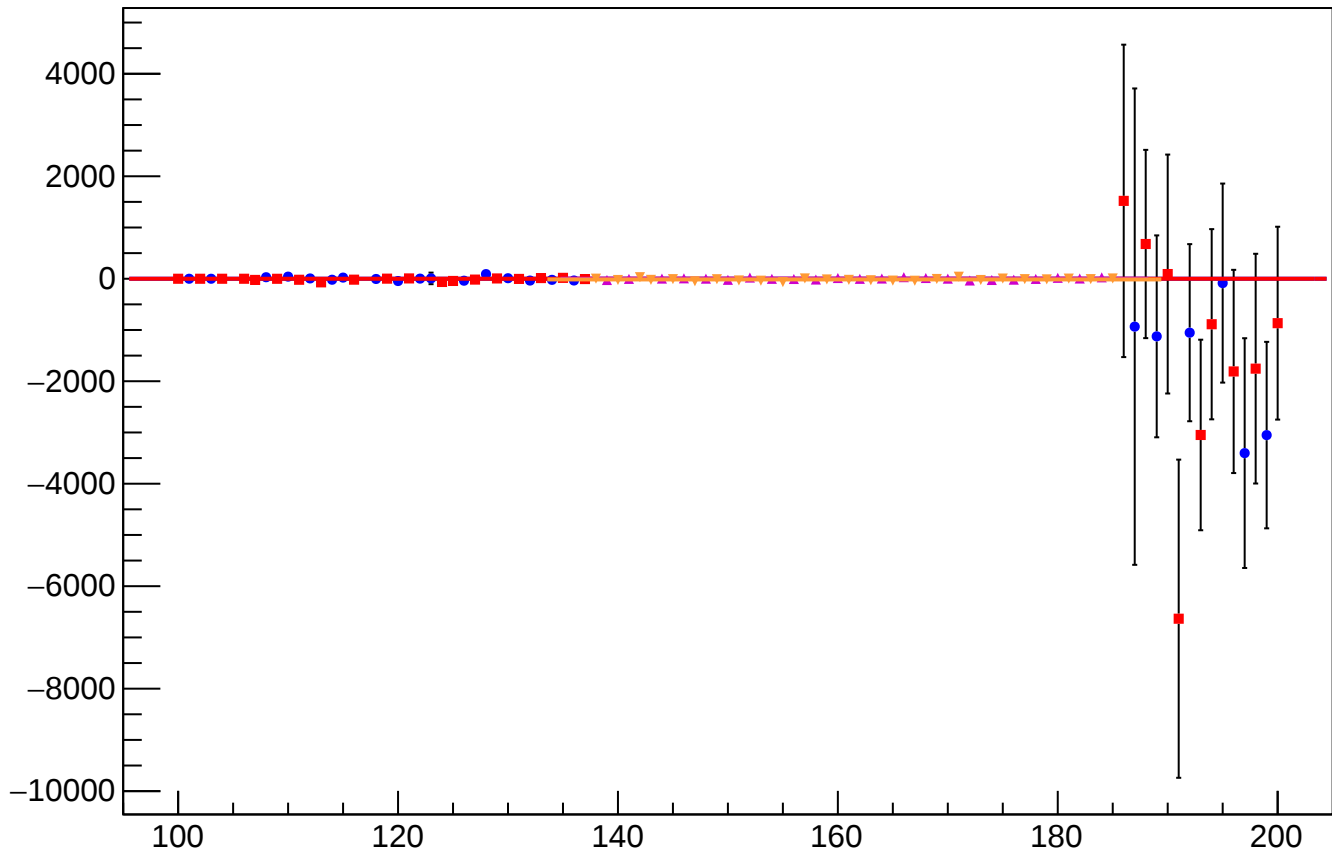
diff_bpm1p03aY_rms vs Slug



Right In: 1880.885 $\pm$ 0.484 χ^2 /NDF: 5804414.5/22
 Left Out: 2222.081 $\pm$ 0.378 χ^2 /NDF: 1422440.9/24
 Right Out: 1849.244 $\pm$ 0.435 χ^2 /NDF: 6423304.0/27
 Left In: 2169.443 $\pm$ 0.383 χ^2 /NDF: 1974869.8/22

+ sign 2092.605 $\pm$ 0.298 χ^2 /NDF: 7535492.6/47
 All: 2059.981 $\pm$ 0.207 χ^2 /NDF: 16262372.2/50
 - sign 2029.667 $\pm$ 0.287 χ^2 /NDF: 8703761.1/50

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 22.5/22

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

Right Out: 0.003+/-0.016 χ^2/NDF : 25.0/27

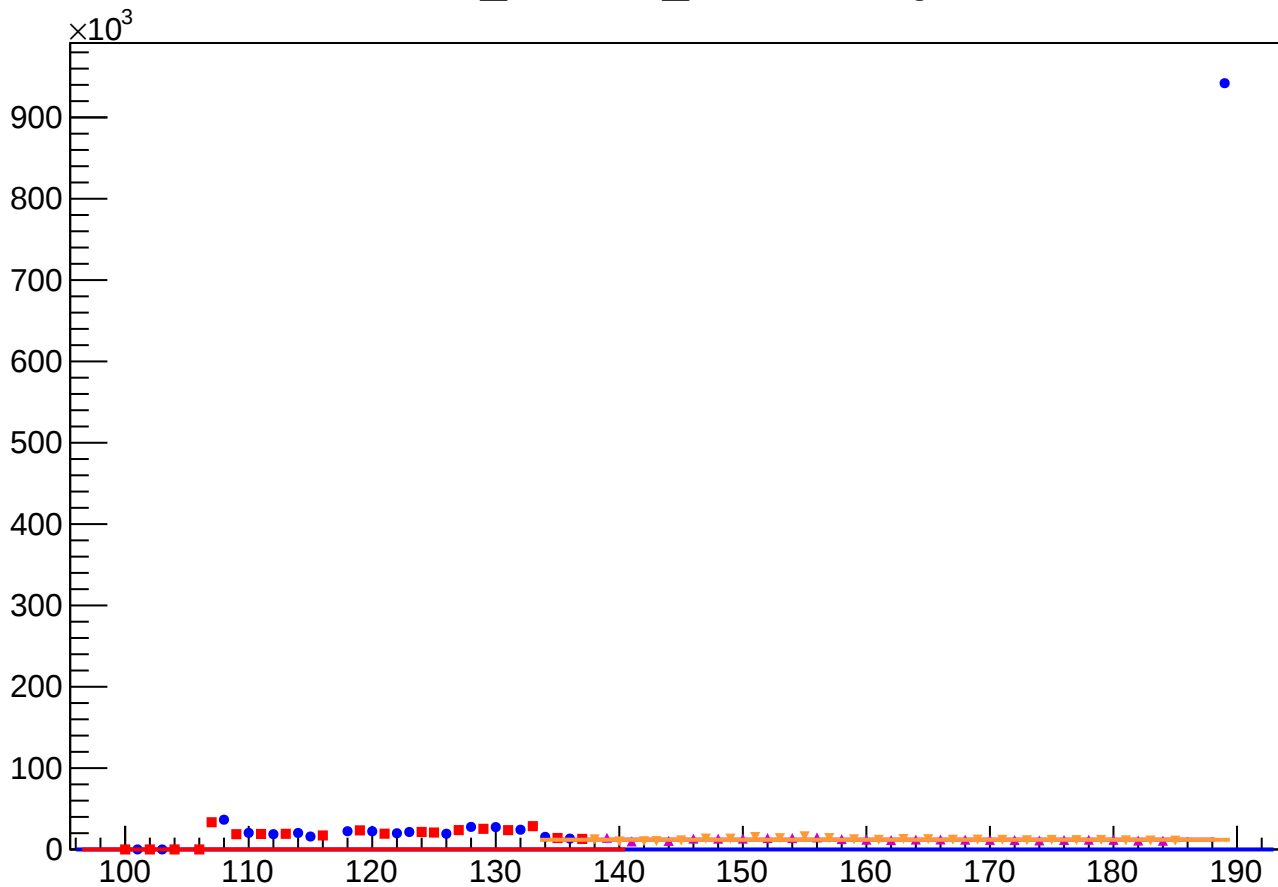
Left In: -0.459+/-2.917 χ^2/NDF : 29.0/22

+ sign 0.013+/-0.017 χ^2/NDF : 104.4/47

All: 0.008+/-0.012 χ^2/NDF : 158.5/98

- sign 0.003+/-0.016 χ^2/NDF : 54.0/50

diff_cav4bX_rms vs Slug



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

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

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

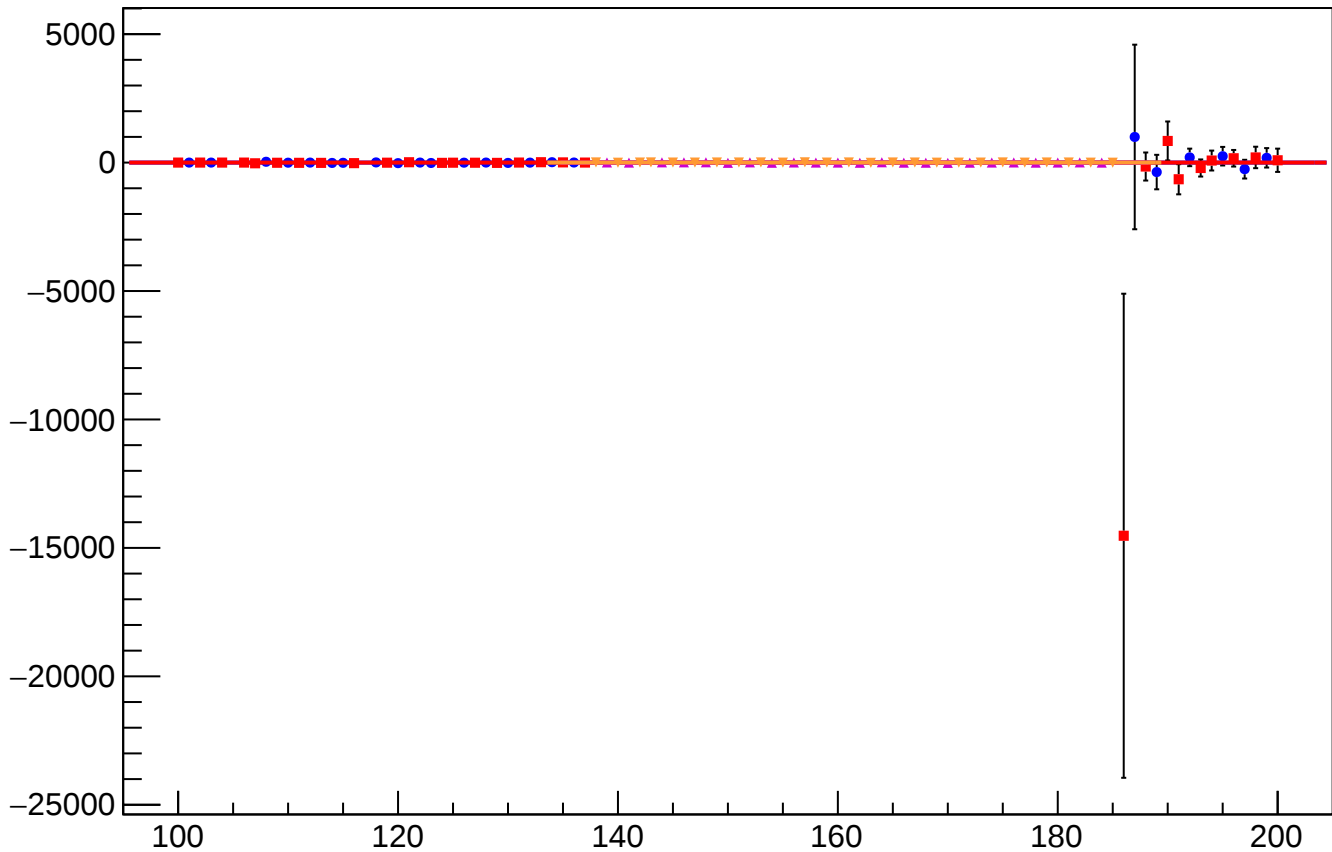
Left In: 12064.761 $\pm$ 2.062 χ^2/NDF : 368452.5/22

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

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

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

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.8/22

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.7/27

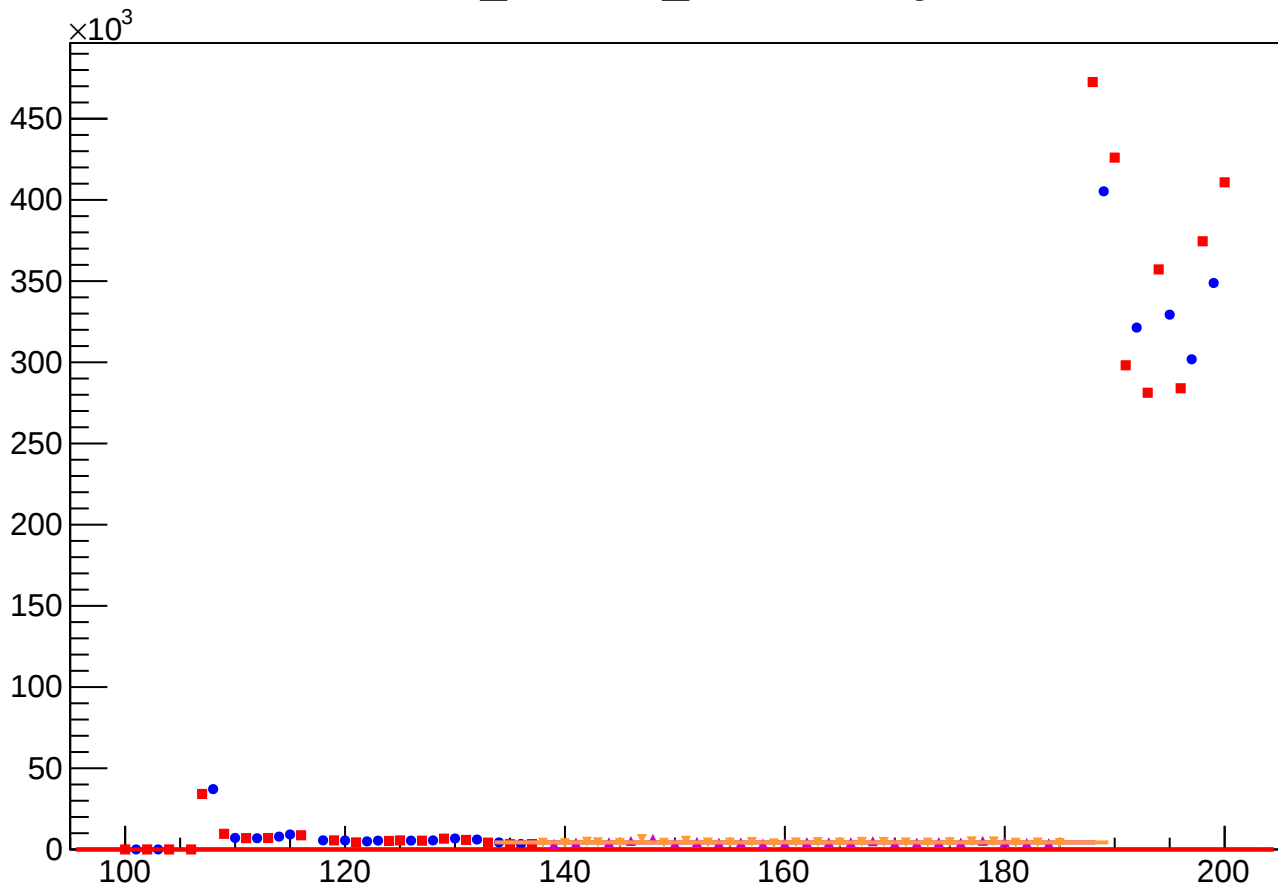
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.8/47

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 97.9/98

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 61.0/50

diff_cav4bY_rms vs Slug



Right In: 9.940 ± 0.007 χ^2/NDF : 18284999.4/21

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

Right Out: 9.855 ± 0.006 χ^2/NDF : 21660334.4/26

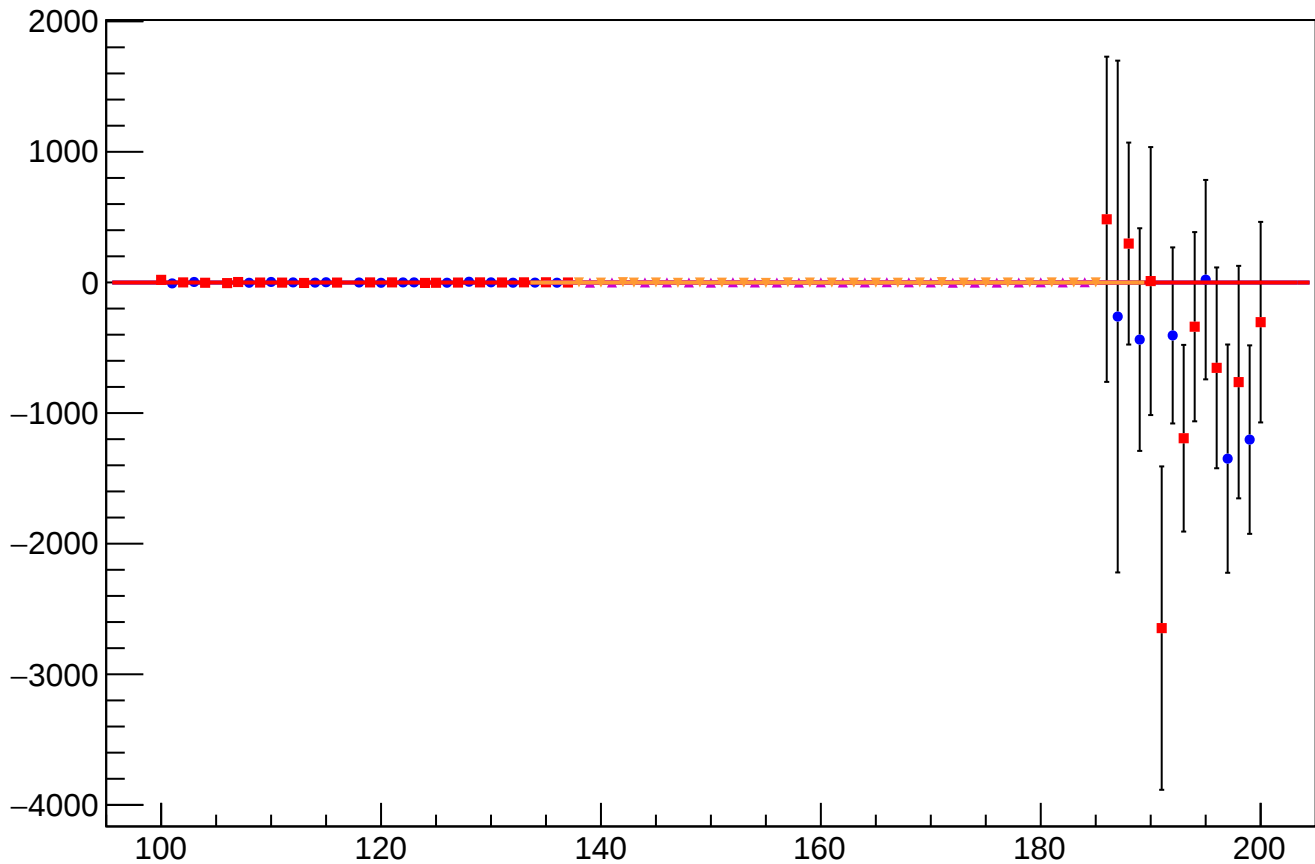
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.291 ± 0.007 χ^2/NDF : 54712413.6/46

All: 10.216 ± 0.004 χ^2/NDF : 110706365.2/90

- sign 10.149 ± 0.006 χ^2/NDF : 55993696.4/49

diff_cav4cX_mean vs Slug



Right In: -0.715 ± 0.483 χ^2/NDF : 28.5/22

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

Right Out: -0.640 ± 0.501 χ^2/NDF : 22.5/27

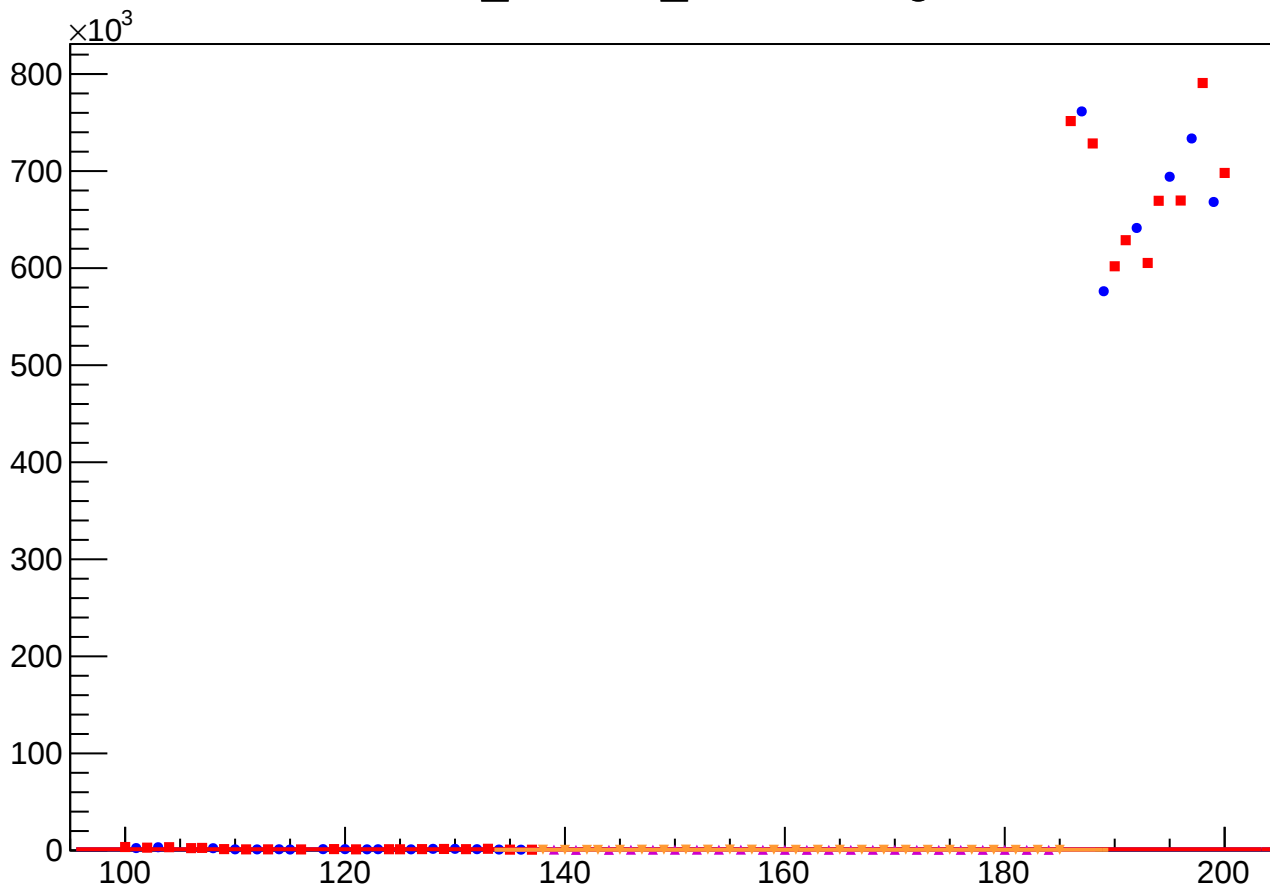
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 87.0/47

All: -0.438 ± 0.112 χ^2/NDF : 149.7/98

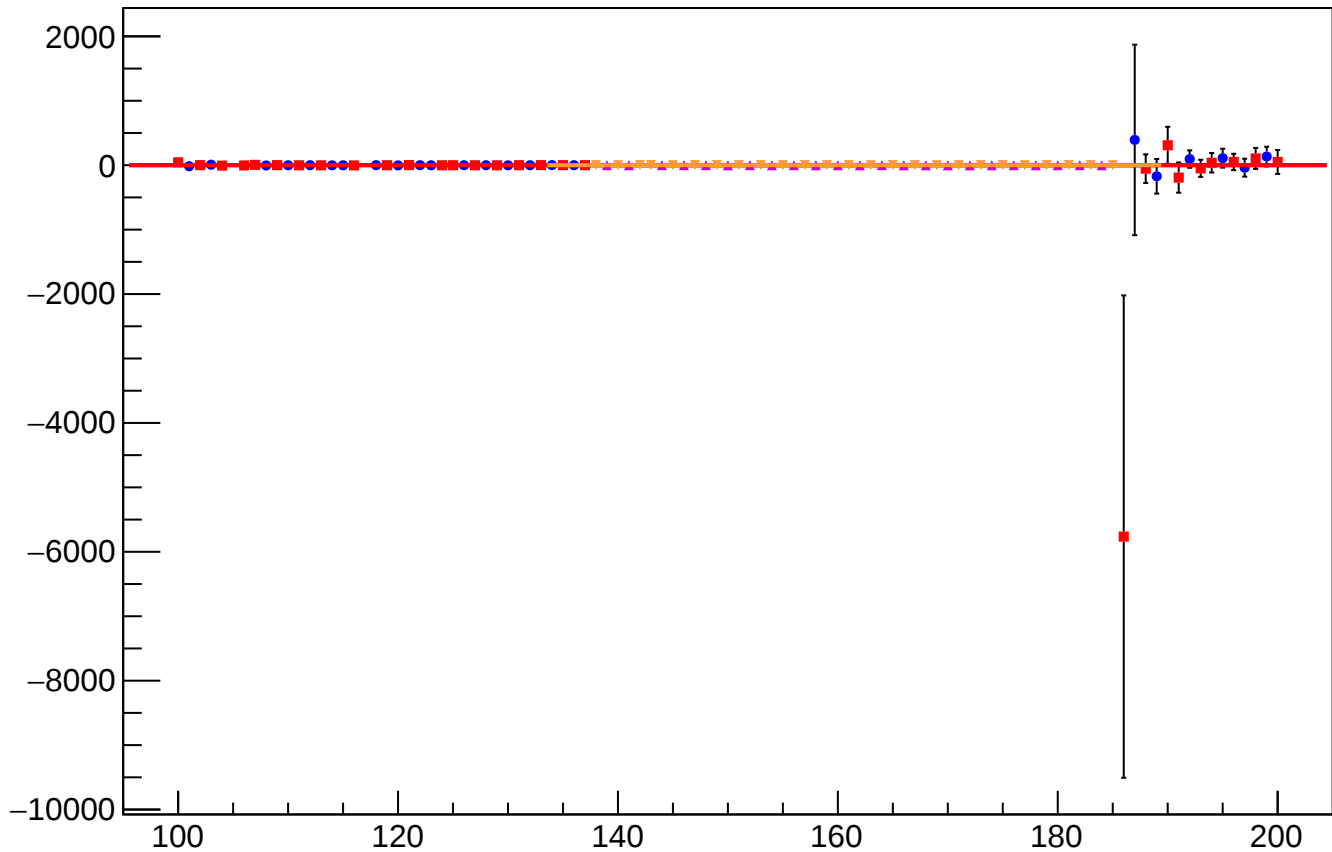
- sign -0.083 ± 0.162 χ^2/NDF : 53.4/50

diff_cav4cX_rms vs Slug



Right In: 1168.480 $\pm$ 0.342 χ^2 /NDF: 9351280.9/22
 Left Out: 700.984 $\pm$ 0.116 χ^2 /NDF:392855.4/24
 Right Out: 1250.023 $\pm$ 0.355 χ^2 /NDF: 13118040.4/27
 Left In: 706.971 $\pm$ 0.121 χ^2 /NDF:332011.4/22
 + sign 749.593 $\pm$ 0.110 χ^2 /NDF: 11422131.7/47
 All: 756.244 $\pm$ 0.079 χ^2 /NDF: 26981383.3/98
 - sign 763.406 $\pm$ 0.114 χ^2 /NDF: 15551680.3/50

diff_cav4cY_mean vs Slug



Right In: -0.059 ± 0.269 χ^2/NDF : 21.5/22

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

Right Out: 0.280 ± 0.264 χ^2/NDF : 25.6/27

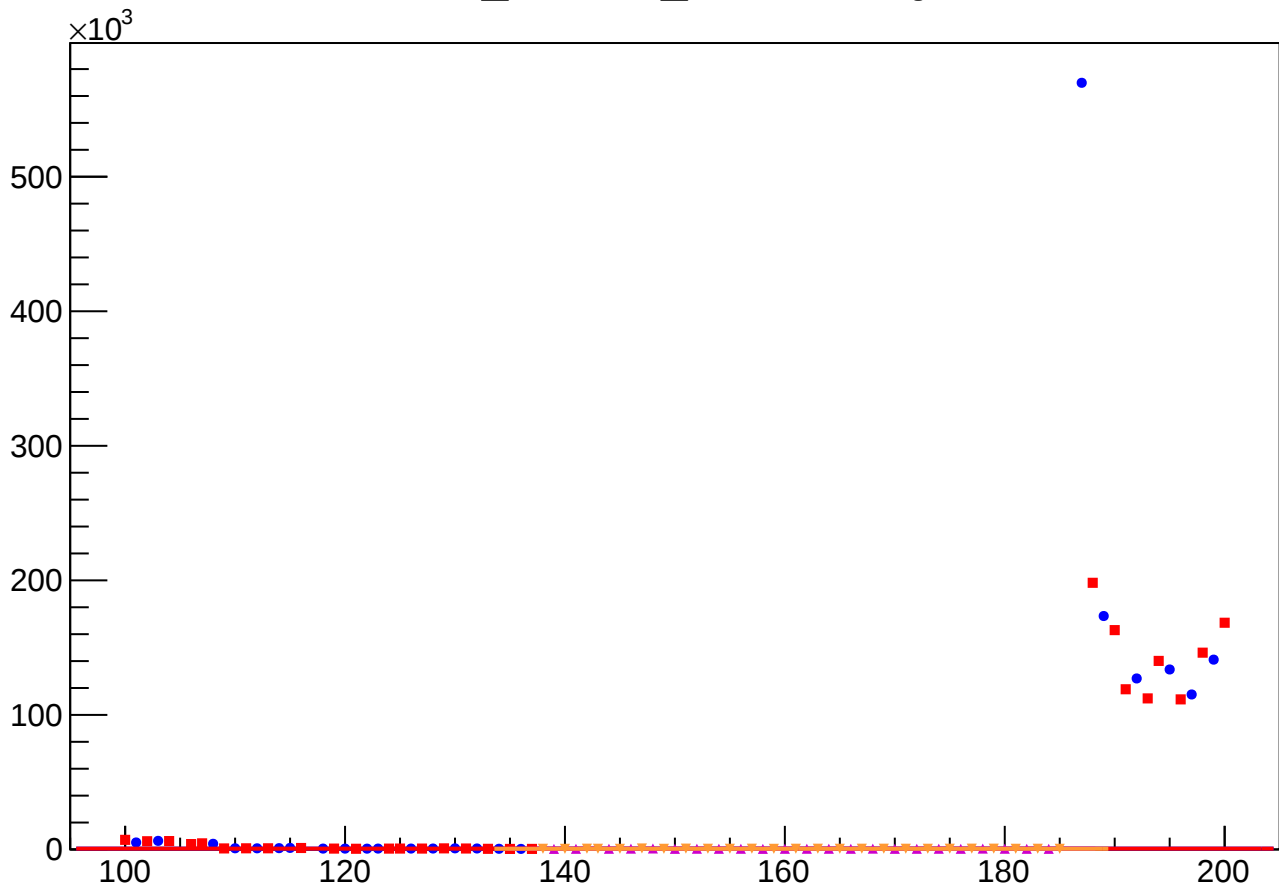
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.183 ± 0.112 χ^2/NDF : 40.5/47

All: 0.169 ± 0.080 χ^2/NDF : 101.4/98

- sign 0.154 ± 0.114 χ^2/NDF : 60.9/50

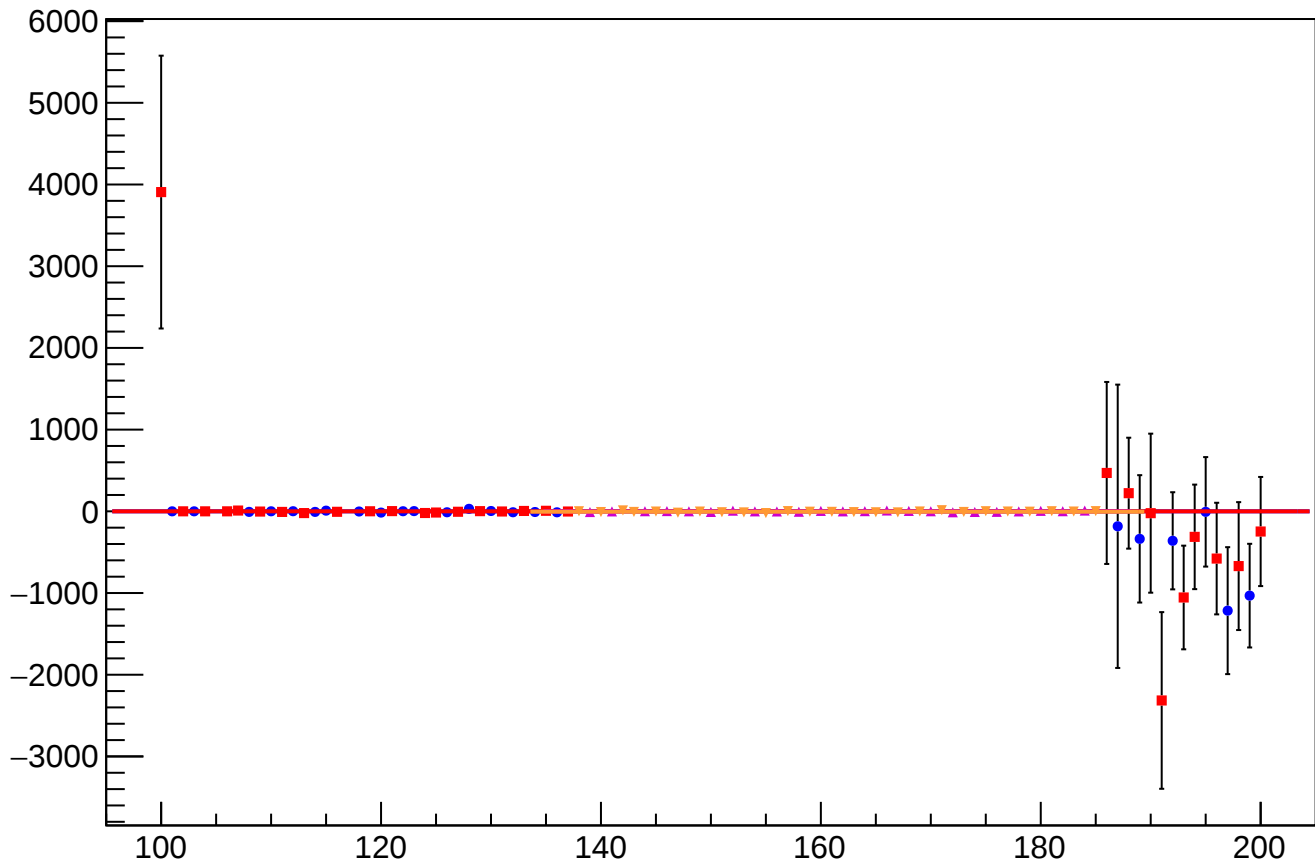
diff_cav4cY_rms vs Slug



Right In: 611.390 $\pm$ 0.190 χ^2 /NDF: 10705486.1/22
 Left Out: 522.220 $\pm$ 0.087 χ^2 /NDF: 330405.3/24
 Right Out: 601.457 $\pm$ 0.187 χ^2 /NDF: 14141772.4/26
 Left In: 520.700 $\pm$ 0.089 χ^2 /NDF: 427720.5/22

+ sign 537.558 $\pm$ 0.079 χ^2 /NDF: 11217863.0/47
 All: 536.634 $\pm$ 0.056 χ^2 /NDF: 25939607.3/97
 - sign 535.672 $\pm$ 0.081 χ^2 /NDF: 14721464.4/49

diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 21.6/22

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

Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 26.9/27

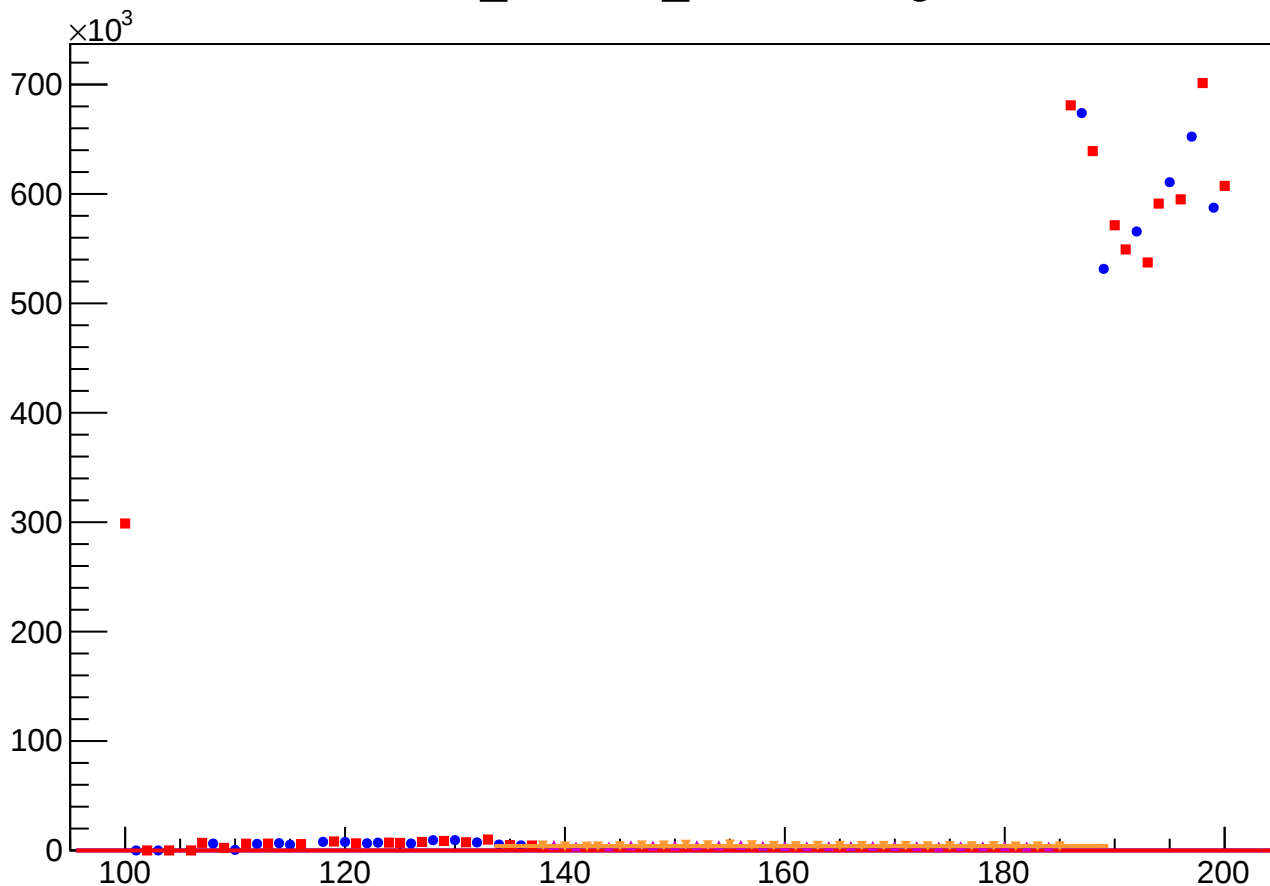
Left In: -0.183 $\pm$ 0.994 χ^2 /NDF: 29.5/22

+ sign -0.024 $\pm$ 0.021 χ^2 /NDF: 101.7/47

All: -0.025 $\pm$ 0.014 χ^2 /NDF: 158.2/98

- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 56.4/50

diff_cav4dX_rms vs Slug



Right In: 17.342 $\pm$ 0.015 χ^2 /NDF: 18286490.8/22

Left Out: 4075.147 $\pm$ 0.677 χ^2 /NDF: 417511.0/24

Right Out: 17.271 $\pm$ 0.014 χ^2 /NDF: 22390683.2/27

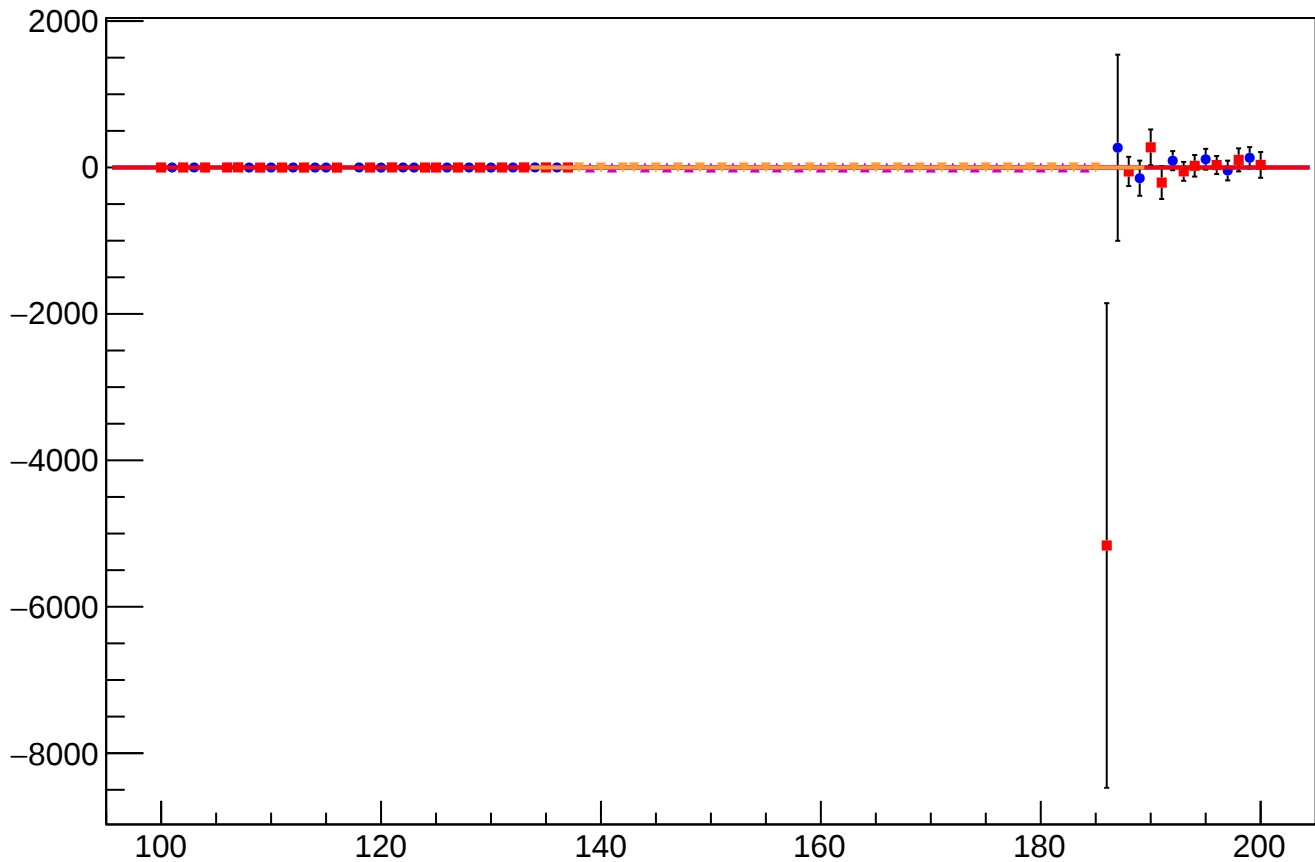
Left In: 4113.993 $\pm$ 0.703 χ^2 /NDF: 349160.6/22

+ sign 19.257 $\pm$ 0.015 χ^2 /NDF: 54636609.0/47

All: 19.065 $\pm$ 0.010 χ^2 /NDF: 111332697.3/98

- sign 18.892 $\pm$ 0.014 χ^2 /NDF: 56695765.4/50

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 16.1/22

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.5/27

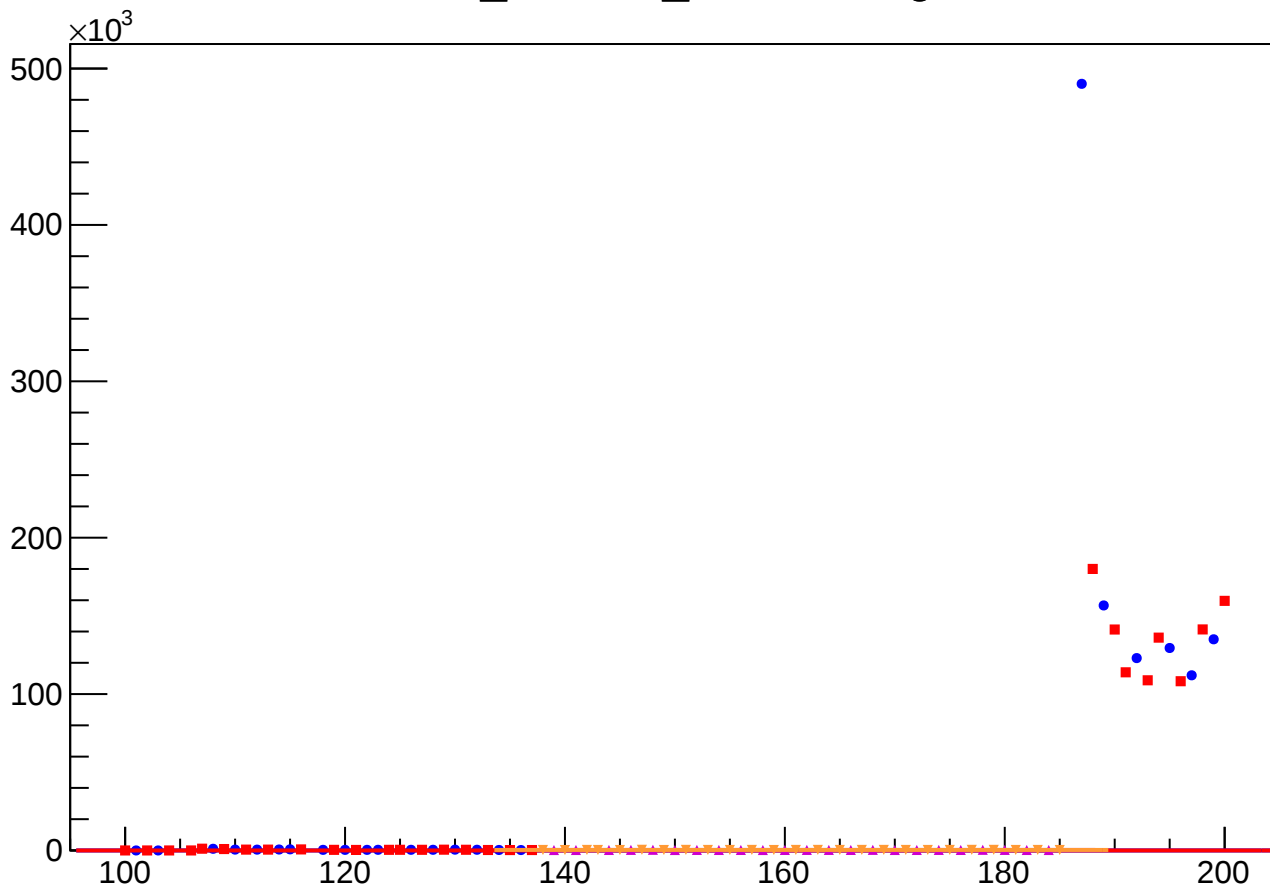
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF:34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 37.1/47

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 96.3/98

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.2/50

diff_cav4dY_rms vs Slug



Right In: 1.699 $\pm$ 0.001 χ^2 /NDF: 18673569.1/22

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

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 21435437.5/26

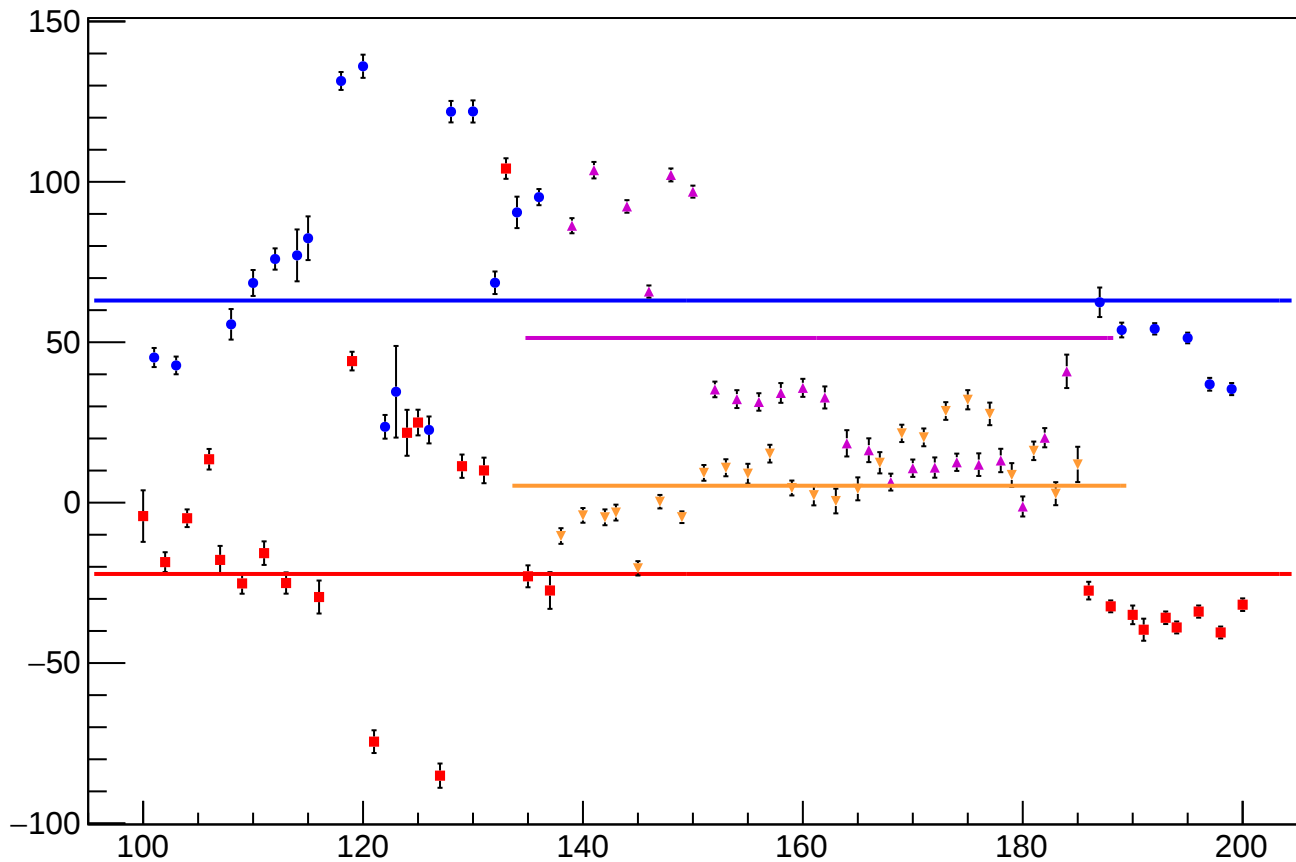
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF: 413350.0/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 54885451.3/47

All: 1.925 $\pm$ 0.001 χ^2 /NDF: 110458791.3/97

- sign 1.924 $\pm$ 0.001 χ^2 /NDF: 55573338.6/49

diff_bpm0i01X_mean vs Slug



Right In: 63.002 $\pm$ 0.606 χ^2 /NDF: 2613.6/22

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

Right Out: -22.231 $\pm$ 0.541 χ^2 /NDF: 3445.7/27

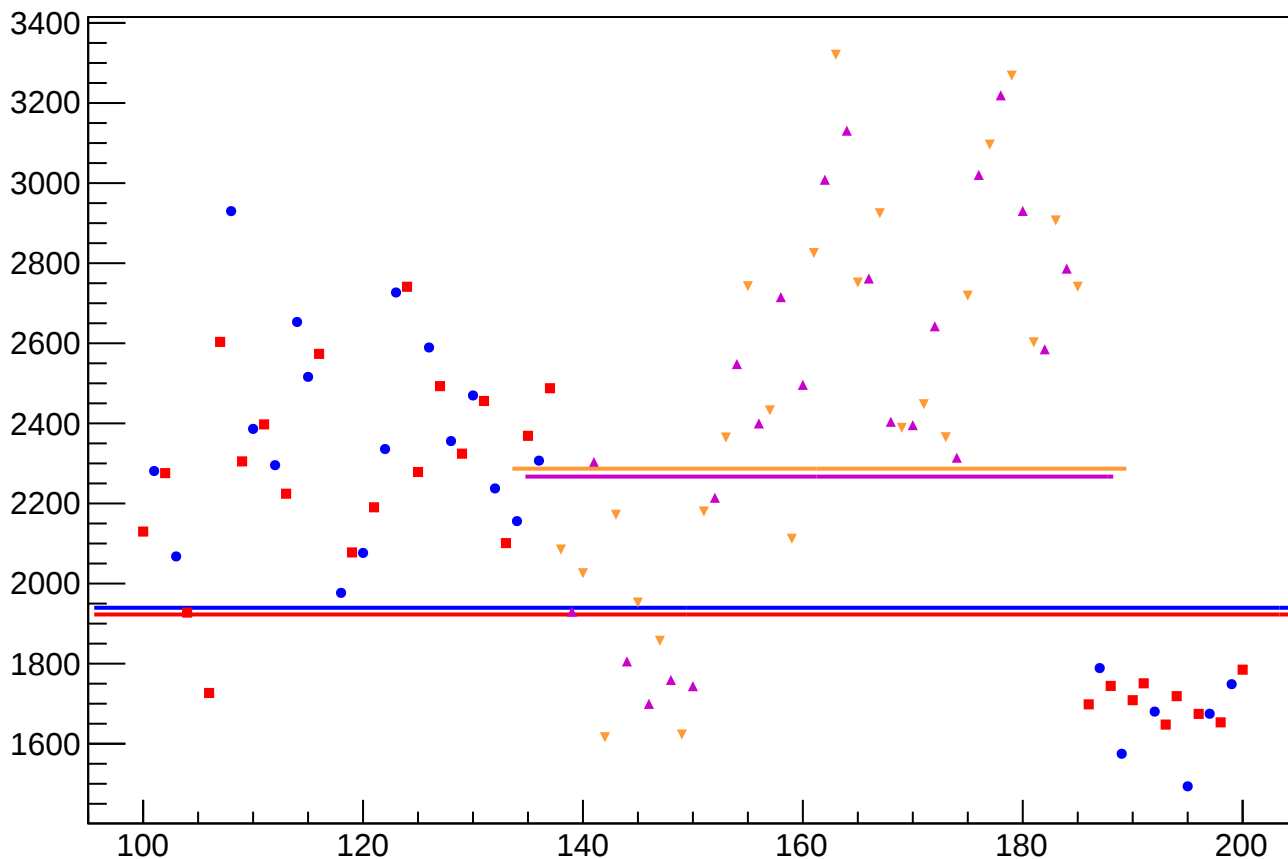
Left In: 51.328 $\pm$ 0.558 χ^2 /NDF: 4257.8/22

+ sign 31.024 $\pm$ 0.405 χ^2 /NDF: 8189.1/47

All: 21.850 $\pm$ 0.280 χ^2 /NDF: 25826.3/98

- sign 13.403 $\pm$ 0.389 χ^2 /NDF: 16651.7/50

diff_bpm0i01X_rms vs Slug



Right In: 1939.520 $\pm$ 0.429 χ^2 /NDF: 708318.5/22

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

Right Out: 1922.757 $\pm$ 0.383 χ^2 /NDF: 616413.4/27

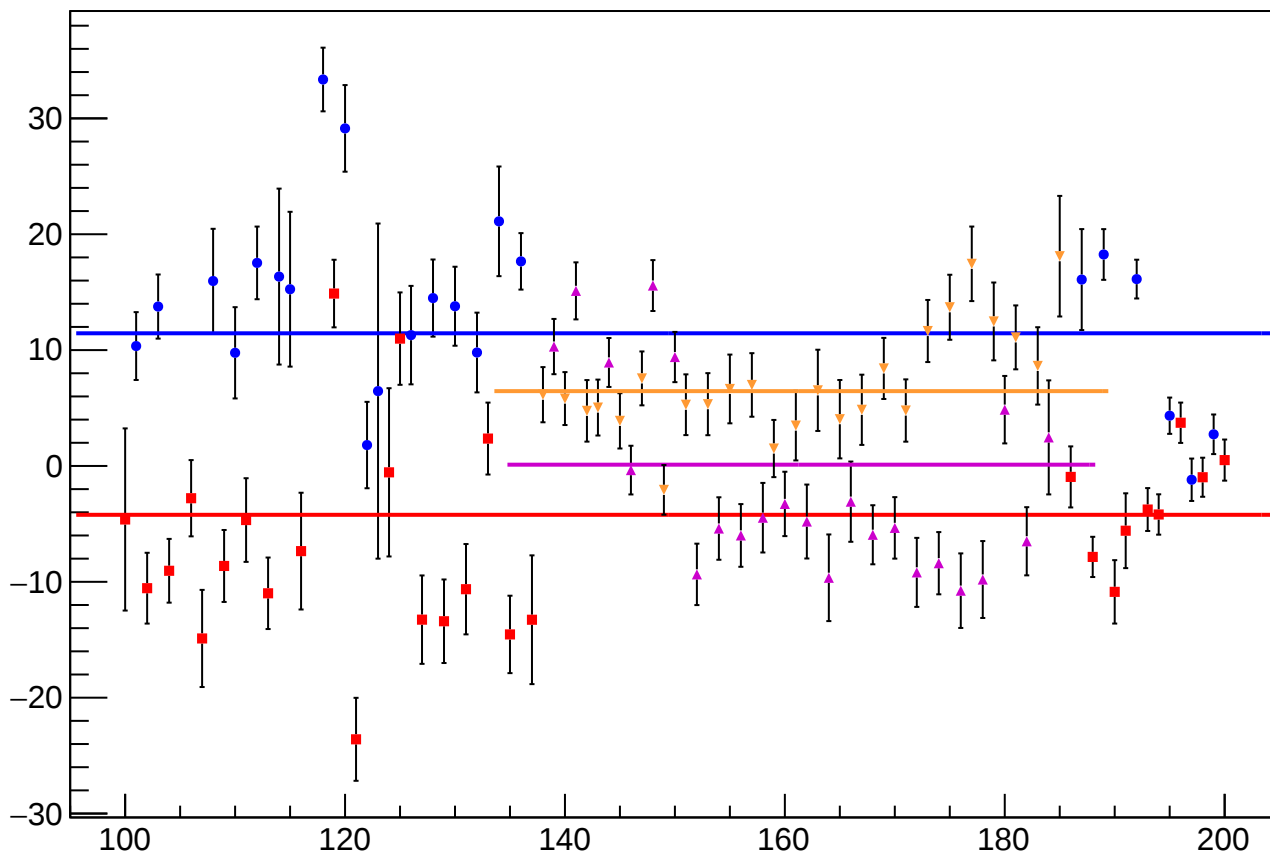
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2131.938 $\pm$ 0.286 χ^2 /NDF: 2432277.2/47

All: 2109.876 $\pm$ 0.198 χ^2 /NDF: 4765624.2/98

- sign 2089.565 $\pm$ 0.275 χ^2 /NDF: 2321949.9/50

diff_bpm0i01Y_mean vs Slug



Right In: 11.451 ± 0.579 χ^2/NDF : 224.5/22

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

Right Out: -4.216 ± 0.515 χ^2/NDF : 183.5/27

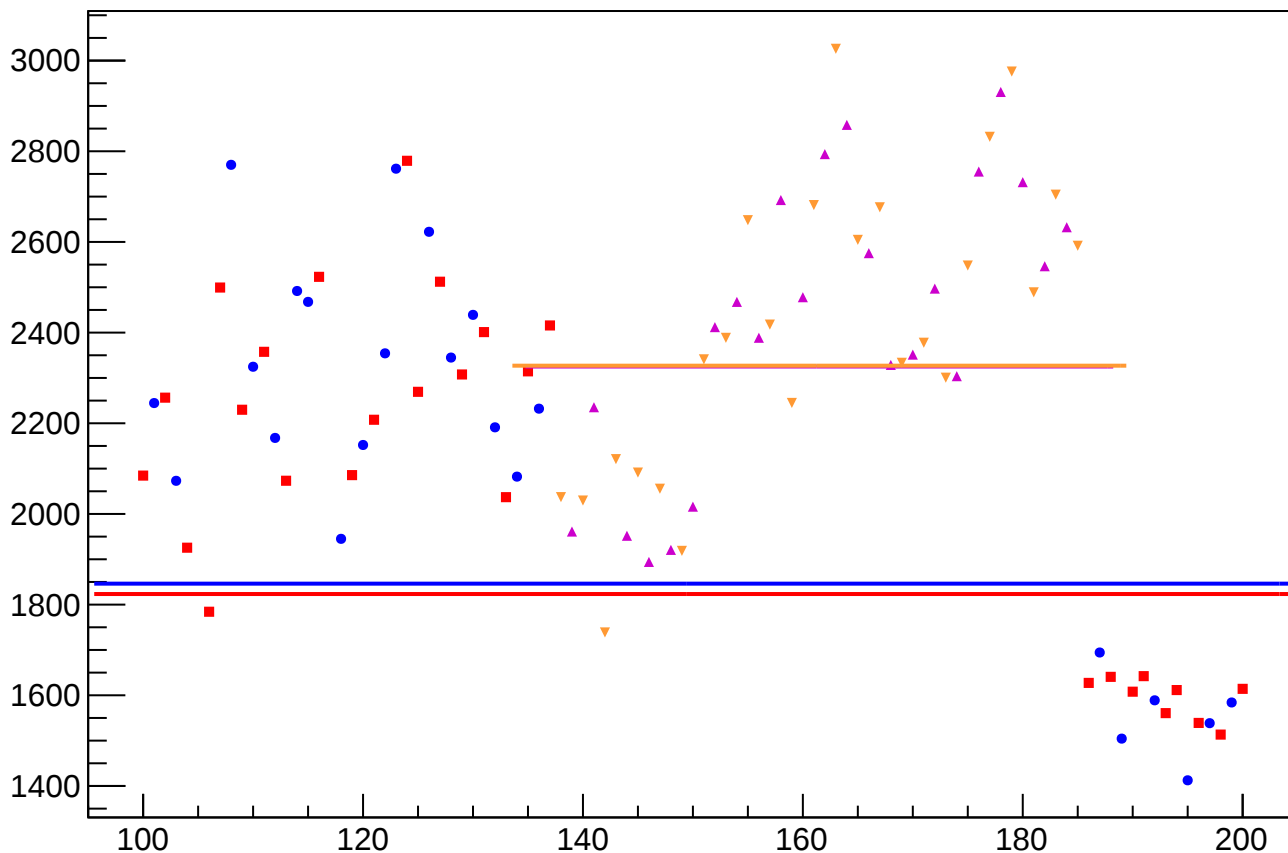
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 8.814 ± 0.398 χ^2/NDF : 322.4/47

All: 3.035 ± 0.275 χ^2/NDF : 1176.4/98

- sign -2.253 ± 0.381 χ^2/NDF : 450.0/50

diff_bpm0i01Y_rms vs Slug



Right In: 1846.248 $\pm$ 0.410 χ^2 /NDF: 880928.1/22

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

Right Out: 1823.362 $\pm$ 0.364 χ^2 /NDF: 817353.3/27

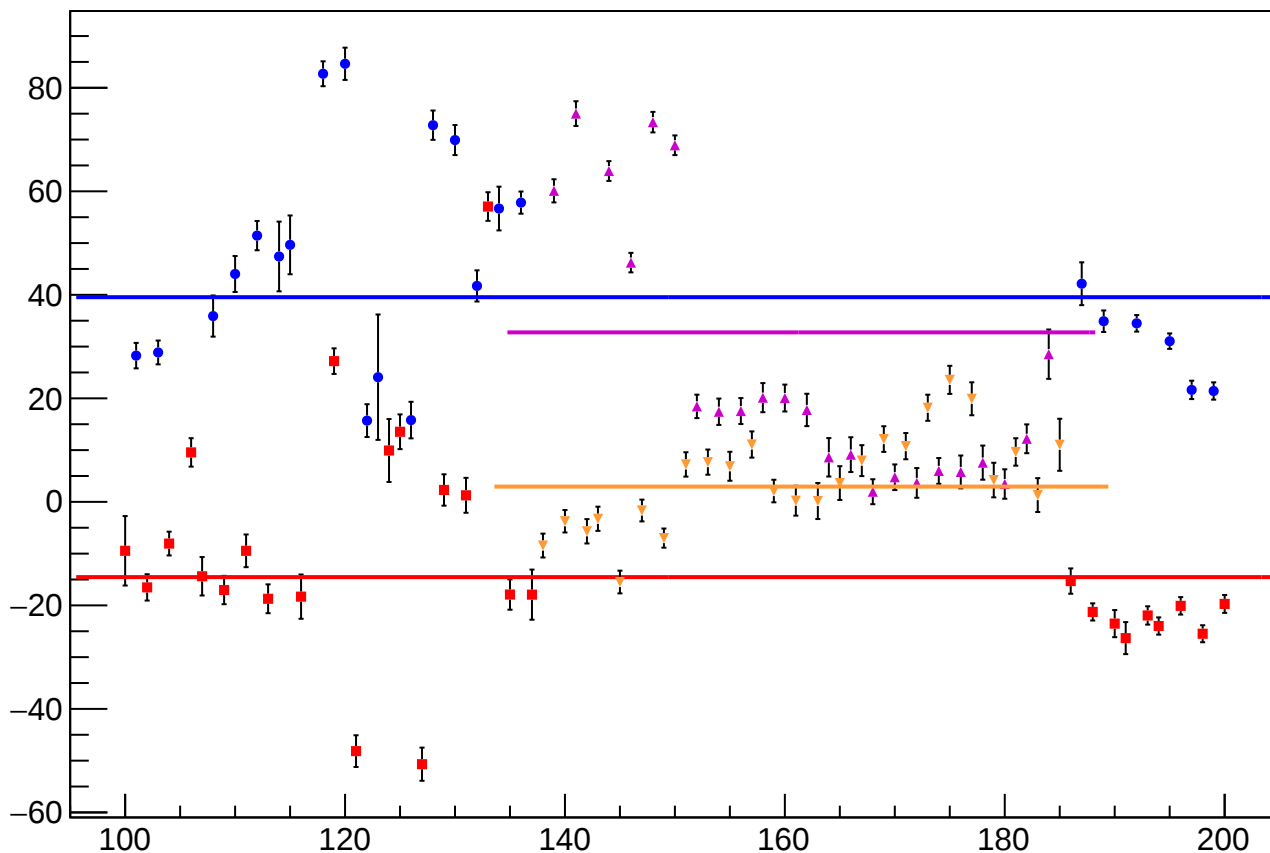
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 2100.187 $\pm$ 0.281 χ^2 /NDF: 2255212.5/47

All: 2074.511 $\pm$ 0.195 χ^2 /NDF: 4560704.0/98

- sign 2051.016 $\pm$ 0.269 χ^2 /NDF: 2289546.0/50

diff_bpm0i01aX_mean vs Slug



Right In: 39.545 $\pm$ 0.529 χ^2 /NDF: 1306.8/22

Left Out: 2.952 $\pm$ 0.512 χ^2 /NDF:337.8/24

Right Out: -14.537 $\pm$ 0.473 χ^2 /NDF: 1592.8/27

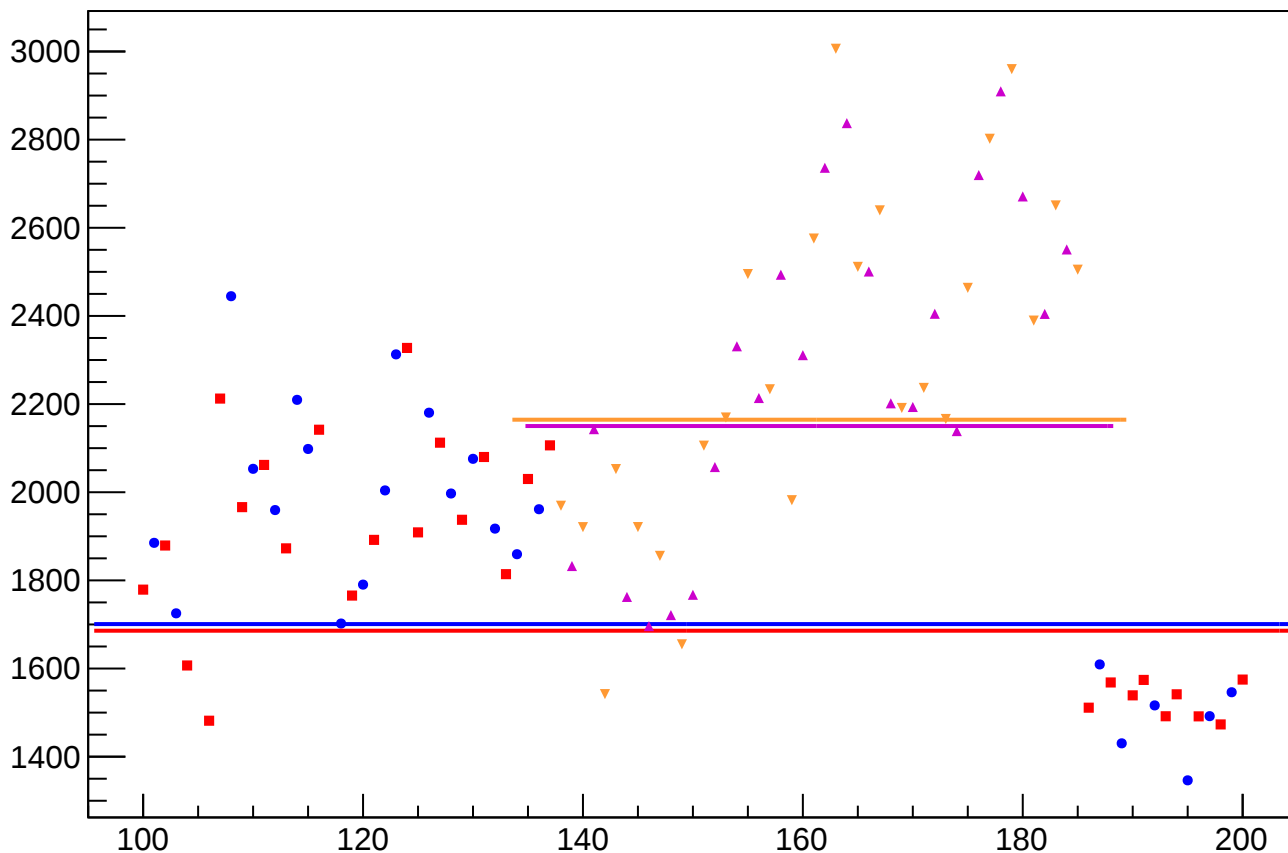
Left In: 32.745 $\pm$ 0.526 χ^2 /NDF:2632.5/22

+ sign 20.646 $\pm$ 0.368 χ^2 /NDF: 4115.3/47

All: 13.301 $\pm$ 0.254 χ^2 /NDF: 13571.3/98

- sign 6.589 $\pm$ 0.352 χ^2 /NDF: 8693.2/50

diff_bpm0i01aX_rms vs Slug



Right In: 1700.844+/-0.374 χ^2/NDF : 518606.8/22

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

Right Out: 1685.817+/-0.334 χ^2/NDF : 448674.0/27

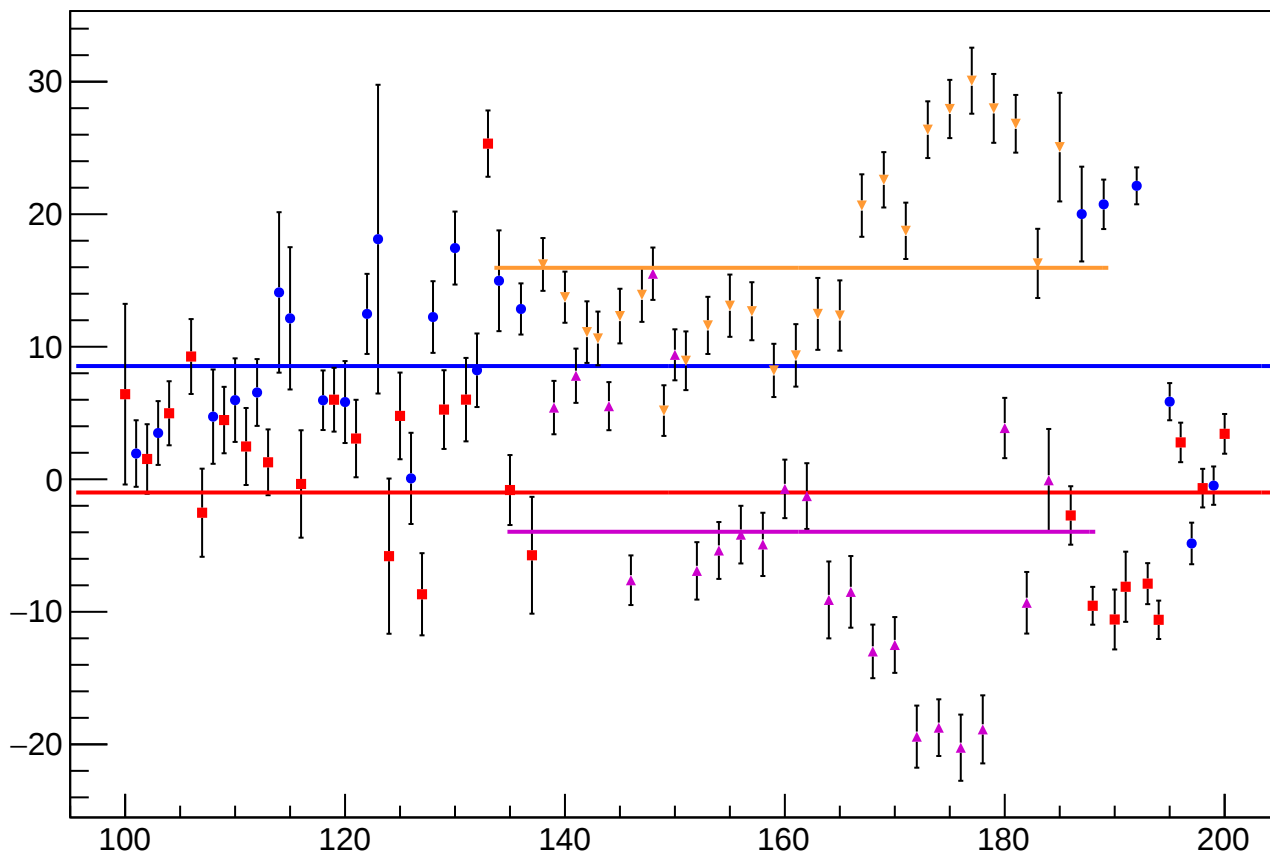
Left In: 2150.190+/-0.372 χ^2/NDF : 911849.7/22

+ sign 1940.344+/-0.260 χ^2/NDF : 2277757.7/47

All: 1915.764+/-0.180 χ^2/NDF : 4517286.9/98

- sign 1893.303+/-0.249 χ^2/NDF : 2222443.4/50

diff_bpm0i01aY_mean vs Slug



Right In: 8.544 ± 0.485 χ^2/NDF : 309.5/22

Left Out: 15.956 ± 0.447 χ^2/NDF : 245.2/24

Right Out: -0.997 ± 0.429 χ^2/NDF : 311.0/27

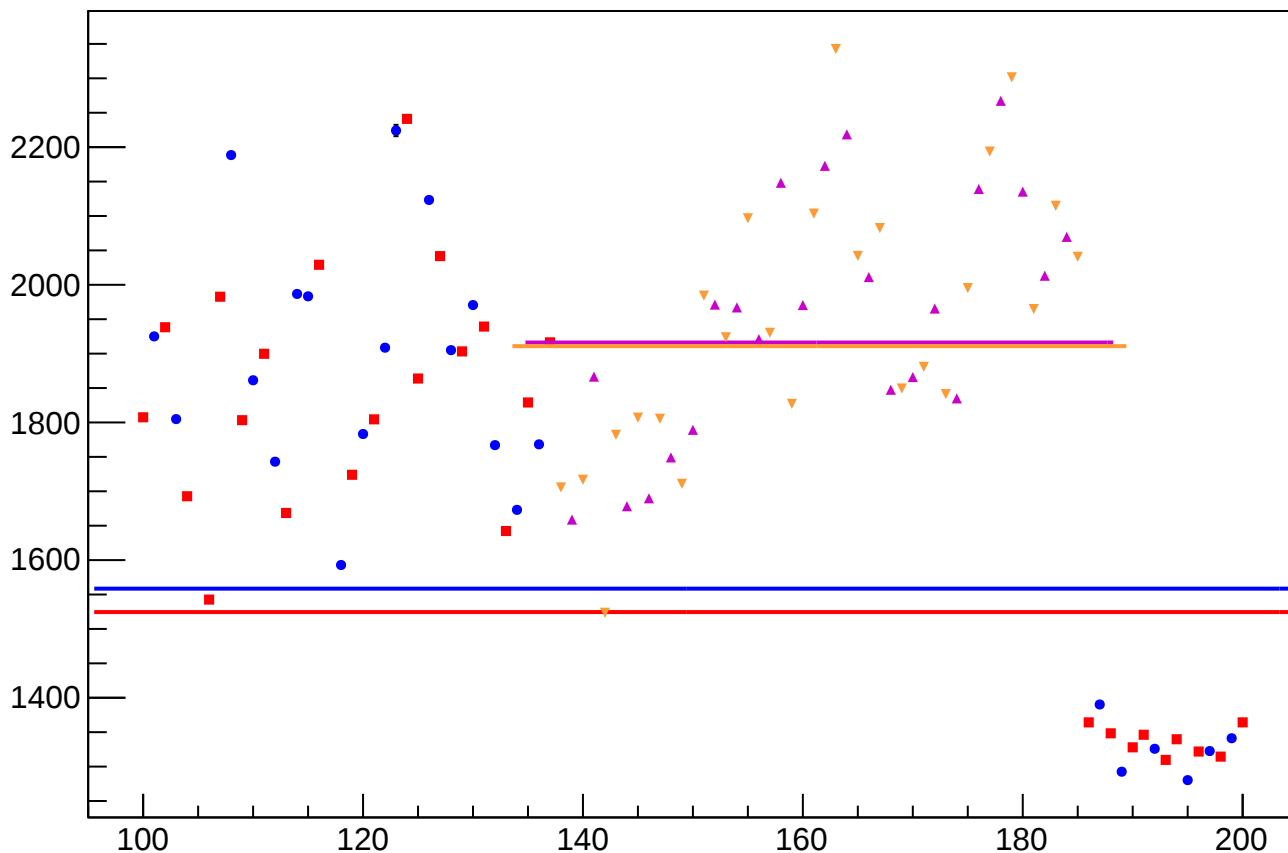
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 12.551 ± 0.329 χ^2/NDF : 680.8/47

All: 4.759 ± 0.227 χ^2/NDF : 2552.7/98

- sign -2.366 ± 0.315 χ^2/NDF : 797.9/50

diff_bpm0i01aY_rms vs Slug



Right In: 1558.537 $\pm$ 0.343 χ^2 /NDF: 660563.2/22

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

Right Out: 1524.504 $\pm$ 0.303 χ^2 /NDF: 688009.1/27

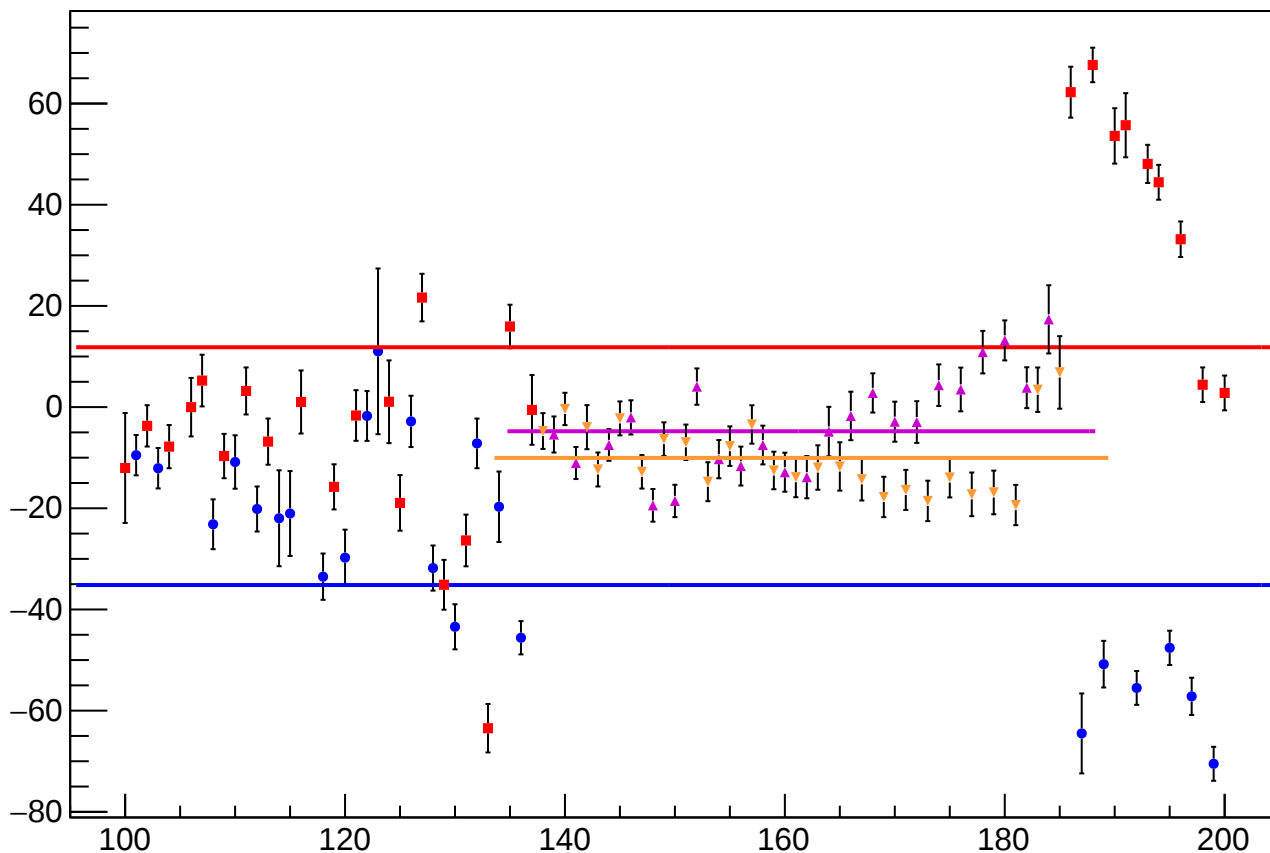
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1749.037 $\pm$ 0.233 χ^2 /NDF: 1559175.0/47

All: 1726.263 $\pm$ 0.161 χ^2 /NDF: 3310363.5/98

- sign 1705.440 $\pm$ 0.222 χ^2 /NDF: 1732841.4/50

diff_bpm0l01X_mean vs Slug



Right In: -35.170 ± 0.953 χ^2/NDF : 487.9/22

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

Right Out: 11.834 ± 0.866 χ^2/NDF : 1278.5/27

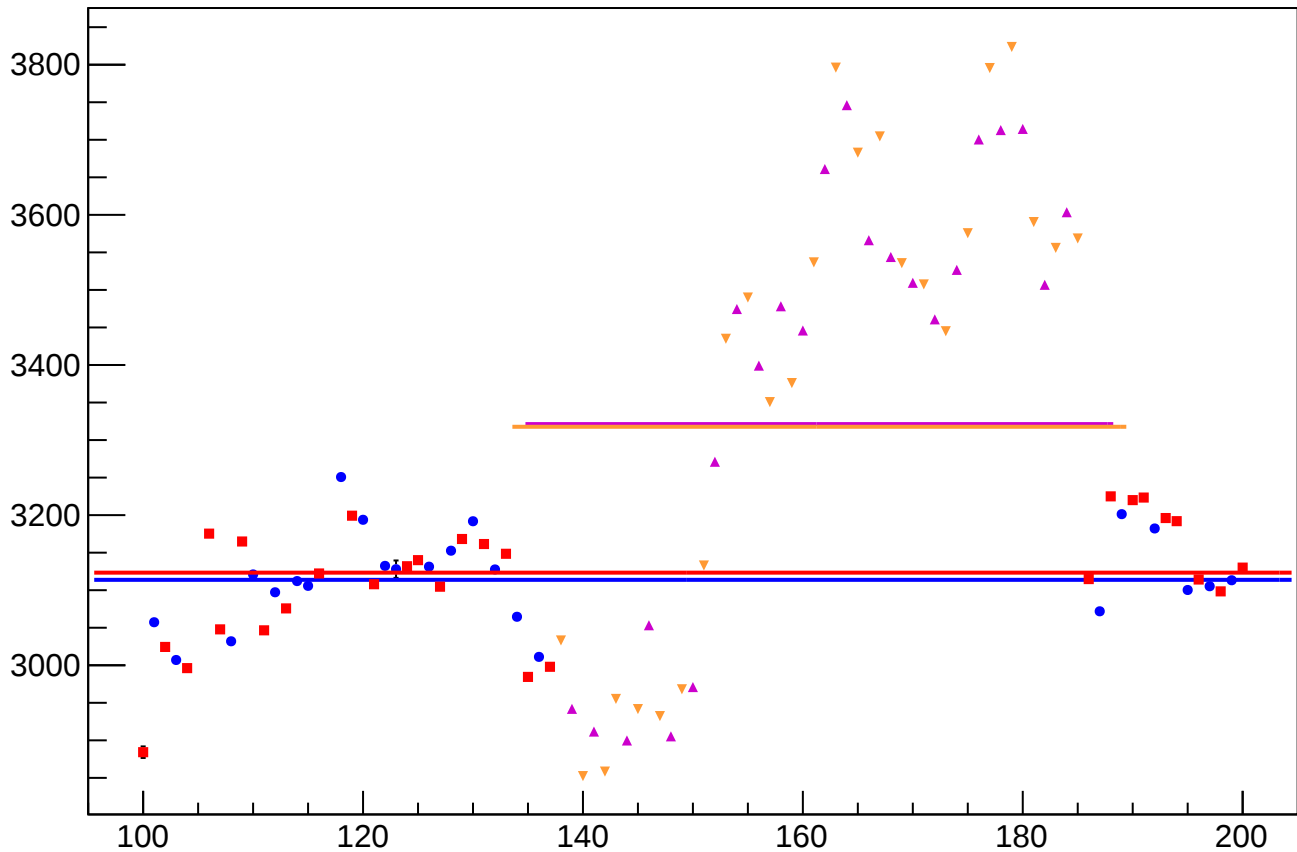
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -20.064 ± 0.602 χ^2/NDF : 972.9/47

All: -8.319 ± 0.421 χ^2/NDF : 3322.1/98

- sign 2.880 ± 0.588 χ^2/NDF : 1605.4/50

diff_bpm0l01X_rms vs Slug



Right In: 3113.800 $\pm$ 0.674 χ^2 /NDF: 9167.7/22

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

Right Out: 3123.383 $\pm$ 0.612 χ^2 /NDF: 13743.5/27

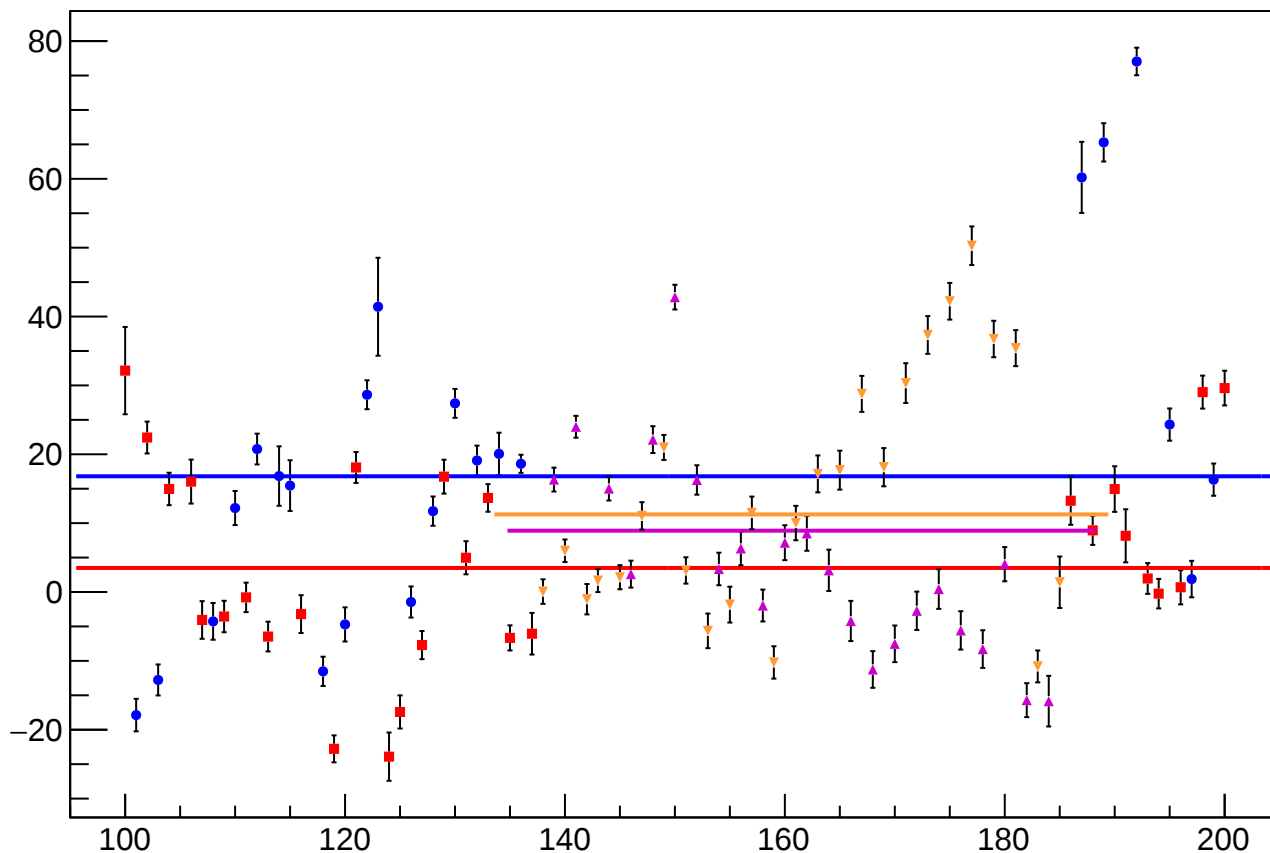
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF: 284334.2/22

+ sign 3236.374 $\pm$ 0.426 χ^2 /NDF: 401070.2/47

All: 3233.151 $\pm$ 0.297 χ^2 /NDF: 755589.9/98

- sign 3230.079 $\pm$ 0.416 χ^2 /NDF: 354407.7/50

diff_bpm0l01Y_mean vs Slug



Right In: 16.804+/-0.493 χ^2/NDF : 2175.8/22

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

Right Out: 3.492+/-0.461 χ^2/NDF : 914.3/27

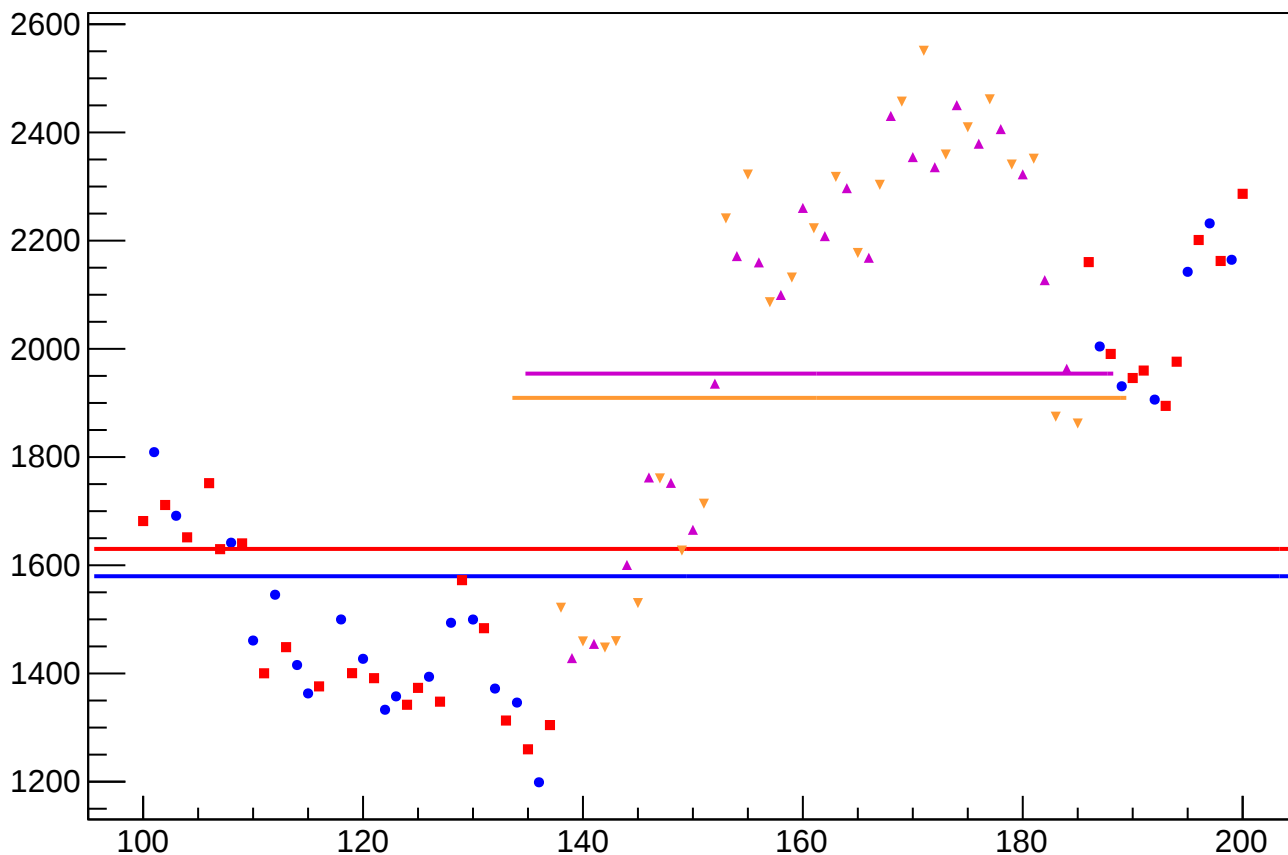
Left In: 8.905+/-0.478 χ^2/NDF : 936.3/22

+ sign 13.809+/-0.334 χ^2/NDF : 3385.7/47

All: 9.925+/-0.235 χ^2/NDF : 5570.8/98

- sign 6.102+/-0.332 χ^2/NDF : 1917.1/50

diff_bpm0l01Y_rms vs Slug



Right In: 1579.732 $\pm$ 0.349 χ^2 /NDF: 758598.0/22

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

Right Out: 1630.209 $\pm$ 0.326 χ^2 /NDF: 906529.3/27

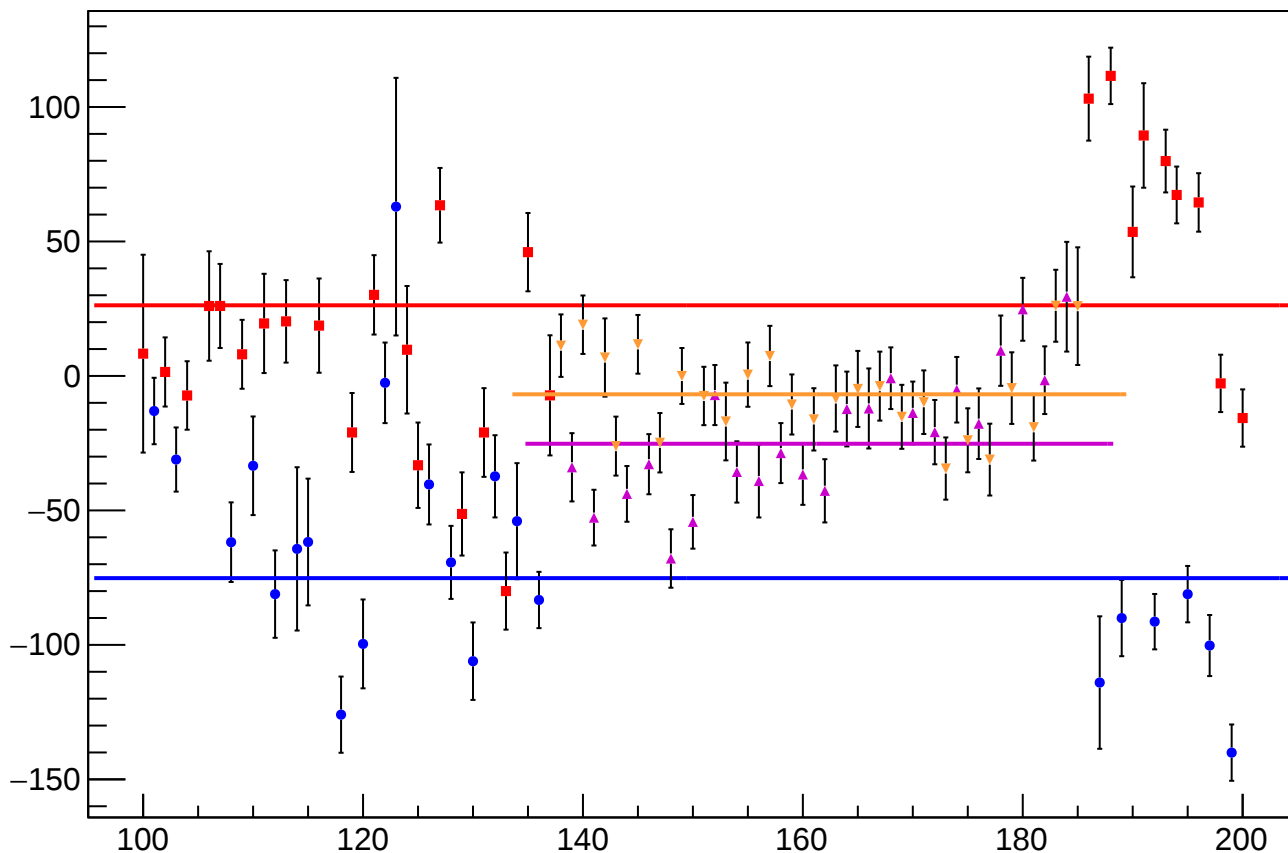
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1758.102 $\pm$ 0.236 χ^2 /NDF: 2640246.7/47

All: 1772.387 $\pm$ 0.166 χ^2 /NDF: 5075708.0/98

- sign 1786.449 $\pm$ 0.234 χ^2 /NDF: 2428210.6/50

diff_bpm0l02X_mean vs Slug



Right In: -75.175 ± 2.966 $\chi^2/\text{NDF}: 160.1/22$

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

Right Out: 26.264 ± 2.698 $\chi^2/\text{NDF}: 313.0/27$

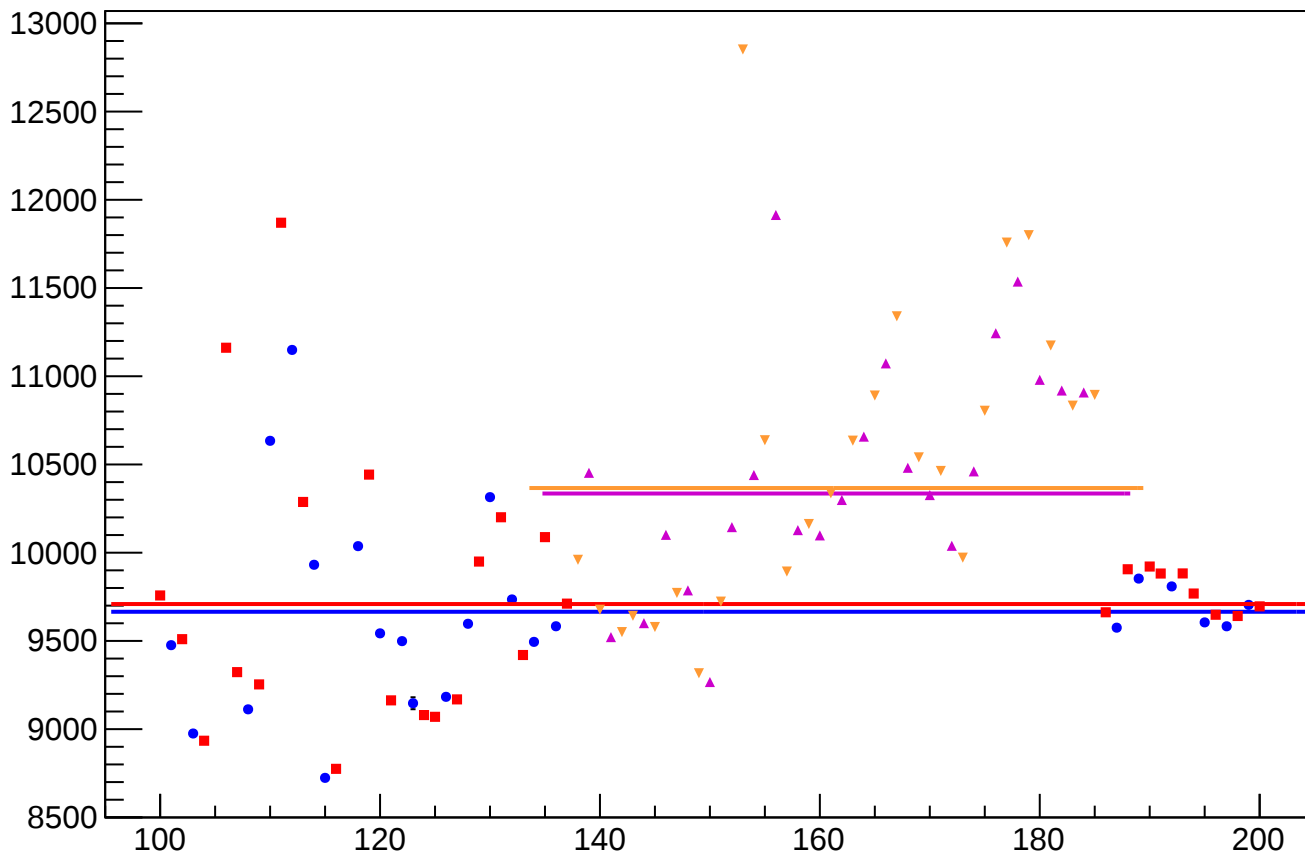
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -34.178 ± 1.876 $\chi^2/\text{NDF}: 521.0/47$

All: -17.456 ± 1.309 $\chi^2/\text{NDF}: 1275.0/98$

- sign -1.572 ± 1.829 $\chi^2/\text{NDF}: 599.1/50$

diff_bpm0l02X_rms vs Slug



Right In: 9665.217+/-2.097 χ^2/NDF : 45011.3/22

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

Right Out: 9709.027+/-1.908 χ^2/NDF : 79483.1/27

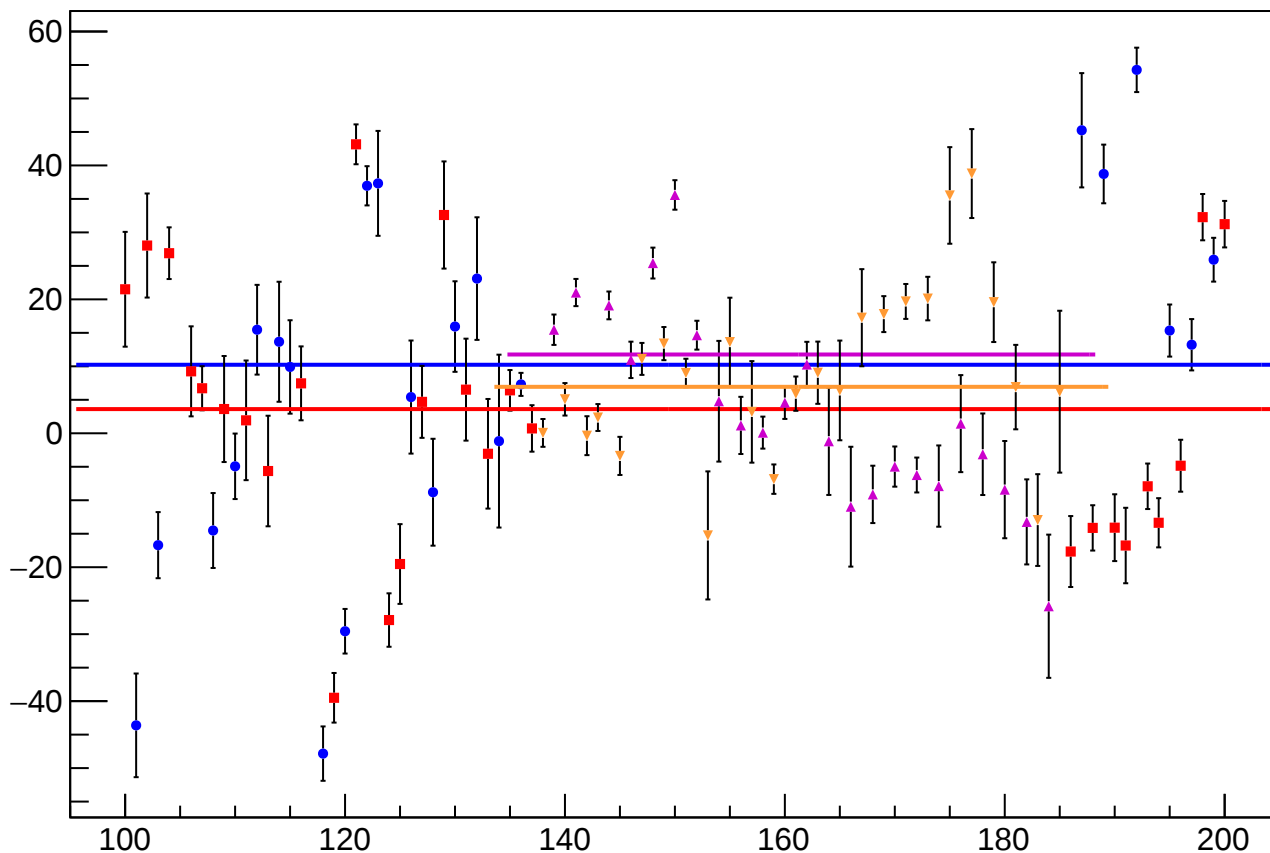
Left In: 10335.399+/-1.758 χ^2/NDF : 127173.0/22

+ sign 10085.872+/-1.327 χ^2/NDF : 323493.4/47

All: 10066.308+/-0.926 χ^2/NDF : 588857.6/98

- sign 10047.726+/-1.293 χ^2/NDF : 264940.2/50

diff_bpm0l02Y_mean vs Slug



Right In: 10.233 ± 0.890 $\chi^2/\text{NDF}: 824.0/22$

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

Right Out: 3.612 ± 0.837 $\chi^2/\text{NDF}: 697.7/27$

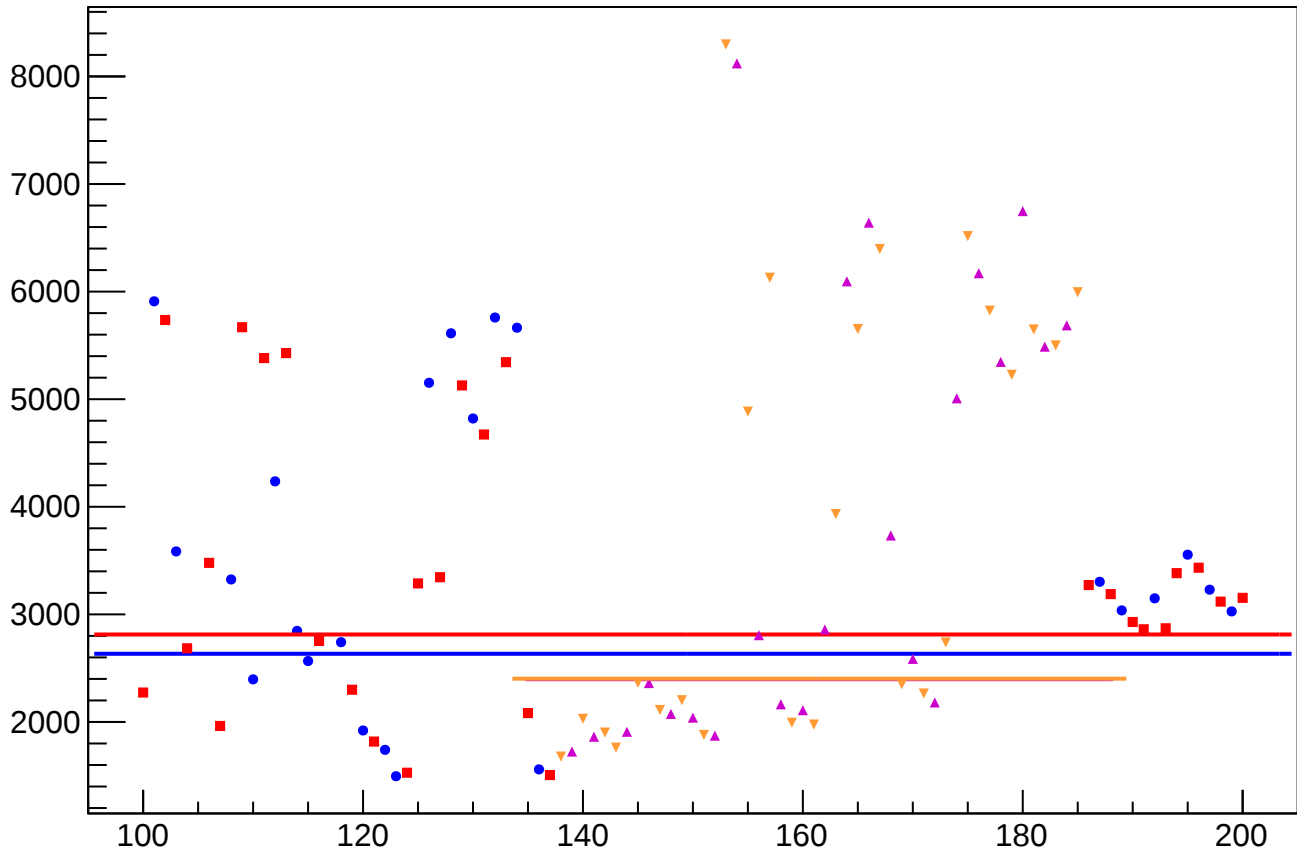
Left In: 11.766 ± 0.648 $\chi^2/\text{NDF}: 395.1/22$

+ sign 8.059 ± 0.519 $\chi^2/\text{NDF}: 1036.9/47$

All: 8.388 ± 0.365 $\chi^2/\text{NDF}: 2189.8/98$

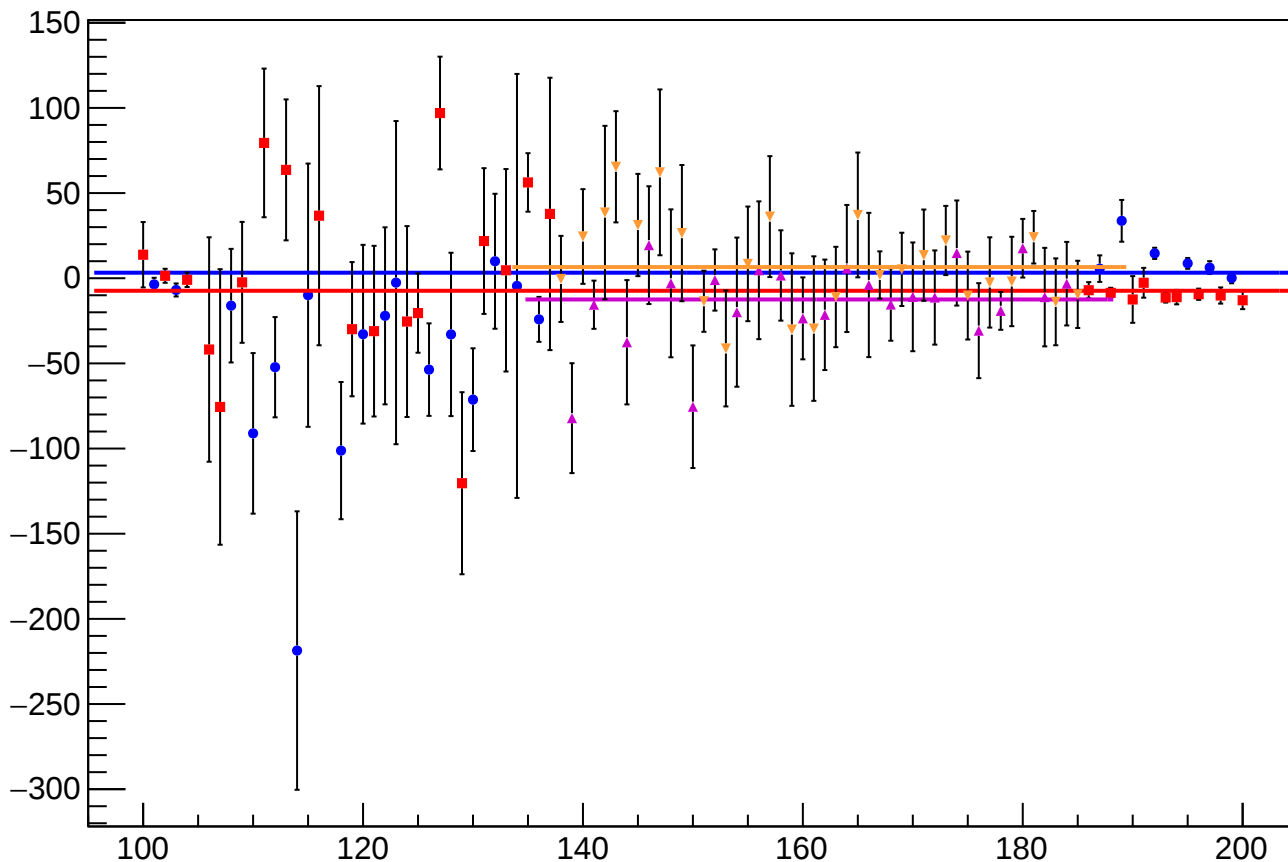
- sign 8.708 ± 0.513 $\chi^2/\text{NDF}: 1152.1/50$

diff_bpm0l02Y_rms vs Slug



Right In: 2633.780 ± 0.629 $\chi^2/\text{NDF}: 2961360.7/22$ + sign 2481.039 ± 0.367 $\chi^2/\text{NDF}: 9396598.6/47$
 Left Out: 2402.359 ± 0.452 $\chi^2/\text{NDF}: 6345982.8/24$ All: 2517.693 ± 0.258 $\chi^2/\text{NDF}: 17750800.5/50$
 Right Out: 2813.069 ± 0.592 $\chi^2/\text{NDF}: 2627761.0/27$ - sign 2553.454 ± 0.362 $\chi^2/\text{NDF}: 8334488.4/50$
 Left In: 2397.701 ± 0.458 $\chi^2/\text{NDF}: 5398920.1/22$

diff_bpm0l03X_mean vs Slug



Right In: 3.243 ± 1.364 $\chi^2/\text{NDF}: 71.1/22$

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

Right Out: -7.359 ± 1.245 $\chi^2/\text{NDF}: 51.3/27$

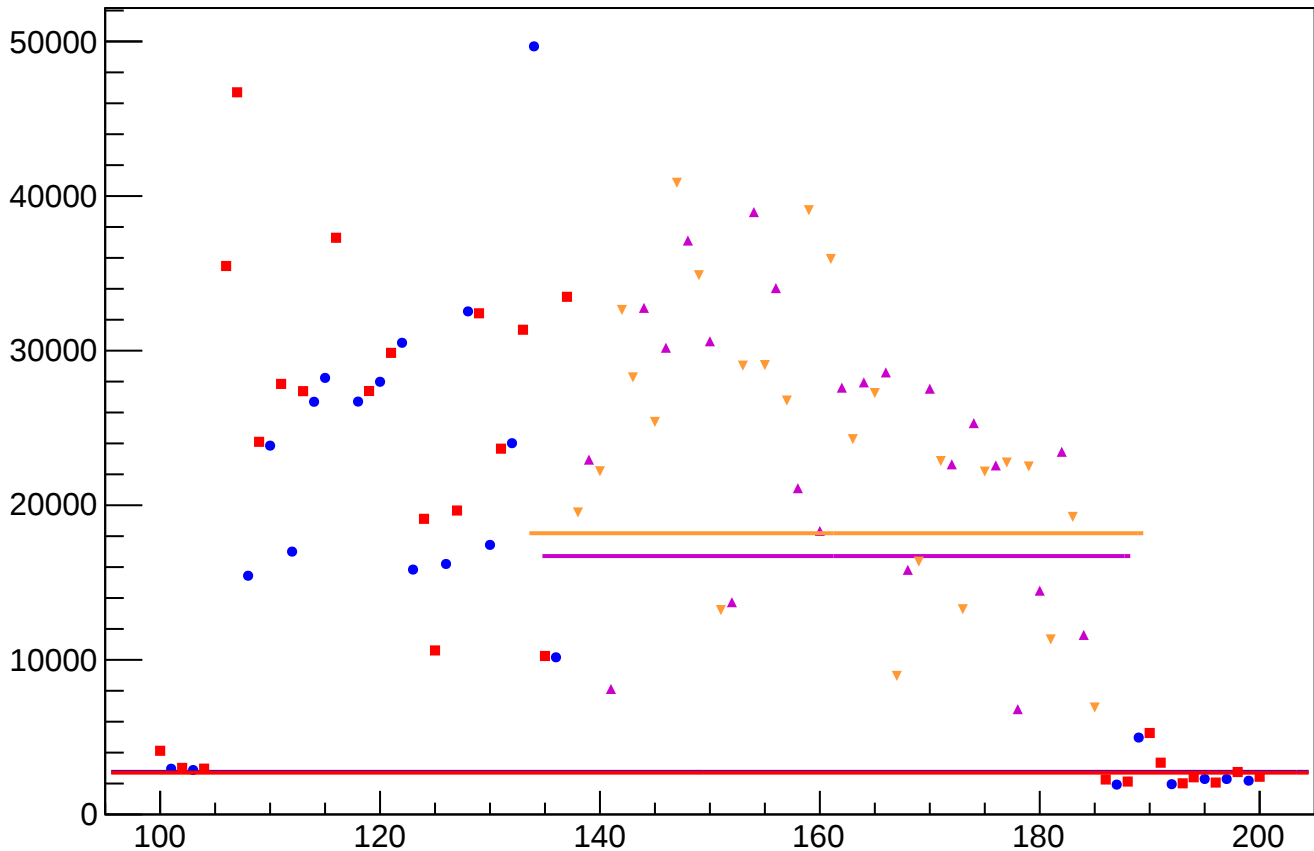
Left In: -12.469 ± 5.025 $\chi^2/\text{NDF}: 15.4/22$

+ sign 3.467 ± 1.318 $\chi^2/\text{NDF}: 88.3/47$

All: -2.572 ± 0.891 $\chi^2/\text{NDF}: 194.6/98$

- sign -7.654 ± 1.209 $\chi^2/\text{NDF}: 67.6/50$

diff_bpm0l03X_rms vs Slug



Right In: 2754.861+/-0.965 χ^2/NDF : 6904806.7/22

Left Out: 18190.387+/-3.590 χ^2/NDF : 5261328.5/24

Right Out: 2704.670+/-0.881 χ^2/NDF : 8547637.8/27

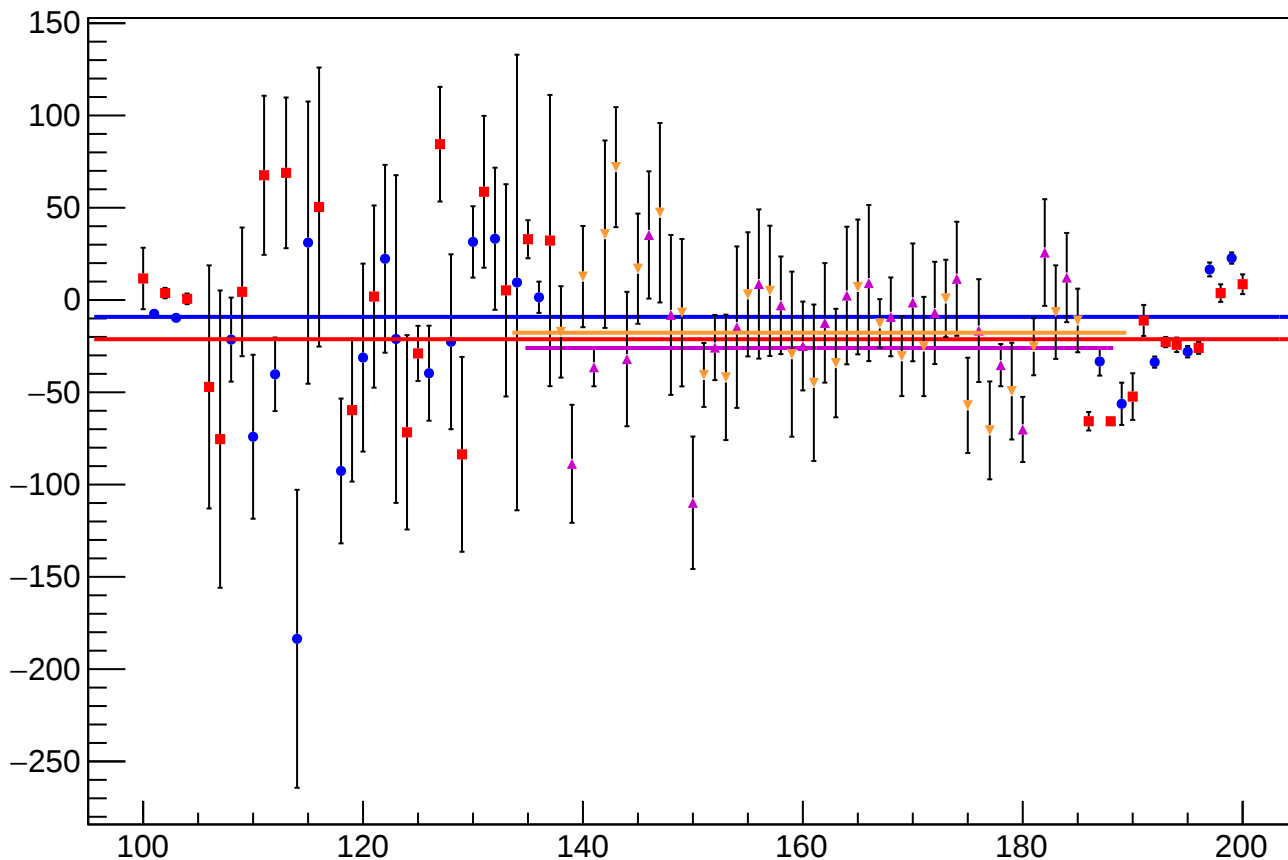
Left In: 16713.653+/-3.553 χ^2/NDF : 6194178.8/22

+ sign 3794.255+/-0.932 χ^2/NDF : 29405030.5/47

All: 3642.720+/-0.630 χ^2/NDF : 58838903.5/50

- sign 3515.183+/-0.855 χ^2/NDF : 29385152.7/50

diff_bpm0l03Y_mean vs Slug



Right In: -9.133 ± 1.168 χ^2/NDF : 309.8/22

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

Right Out: -21.237 ± 1.090 χ^2/NDF : 618.3/27

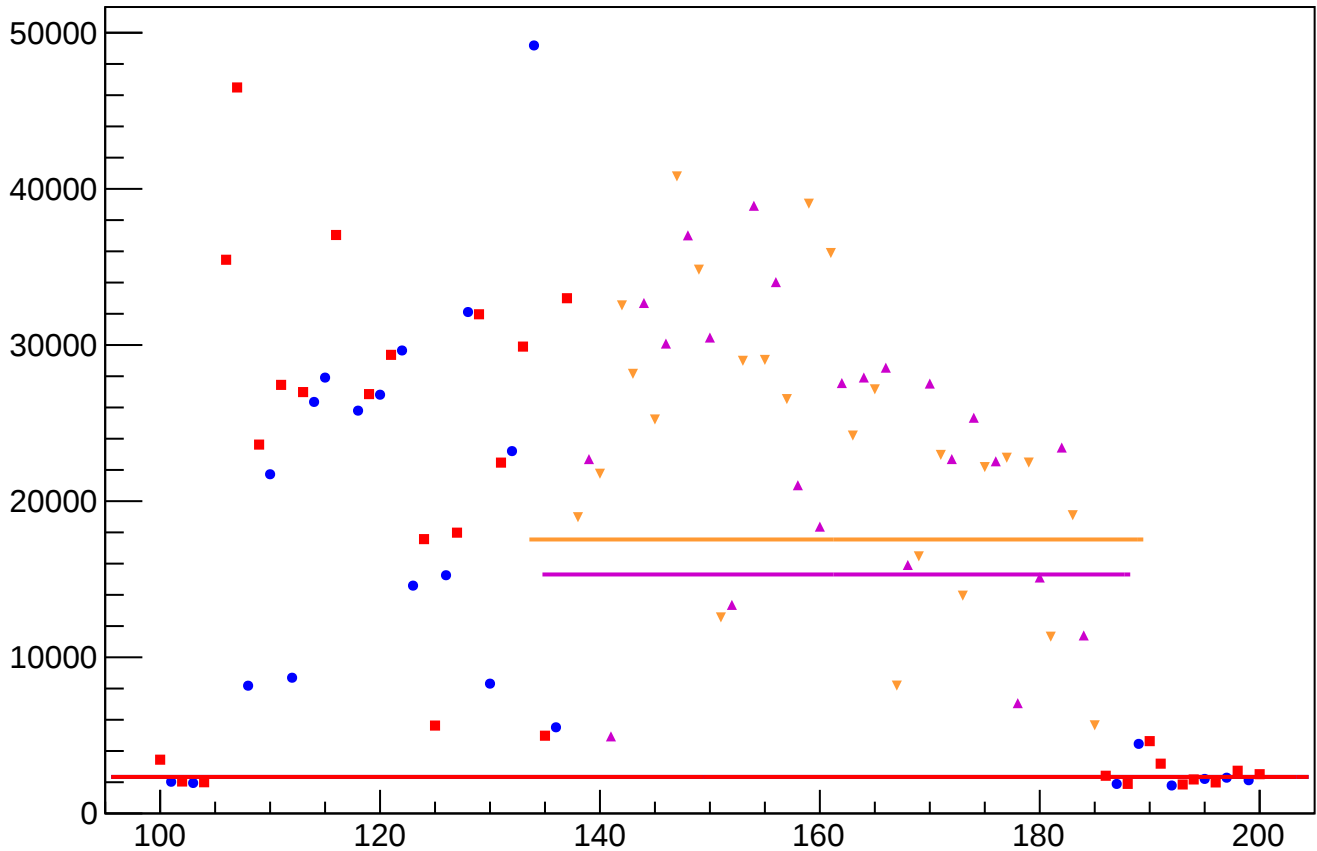
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -9.581 ± 1.137 χ^2/NDF : 339.8/47

All: -15.924 ± 0.776 χ^2/NDF : 1050.0/98

- sign -21.471 ± 1.063 χ^2/NDF : 651.8/50

diff_bpm0l03Y_rms vs Slug



Right In: 2339.302+/-0.826 χ^2/NDF : 5776746.6/22

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

Right Out: 2339.638+/-0.771 χ^2/NDF : 8159272.7/27

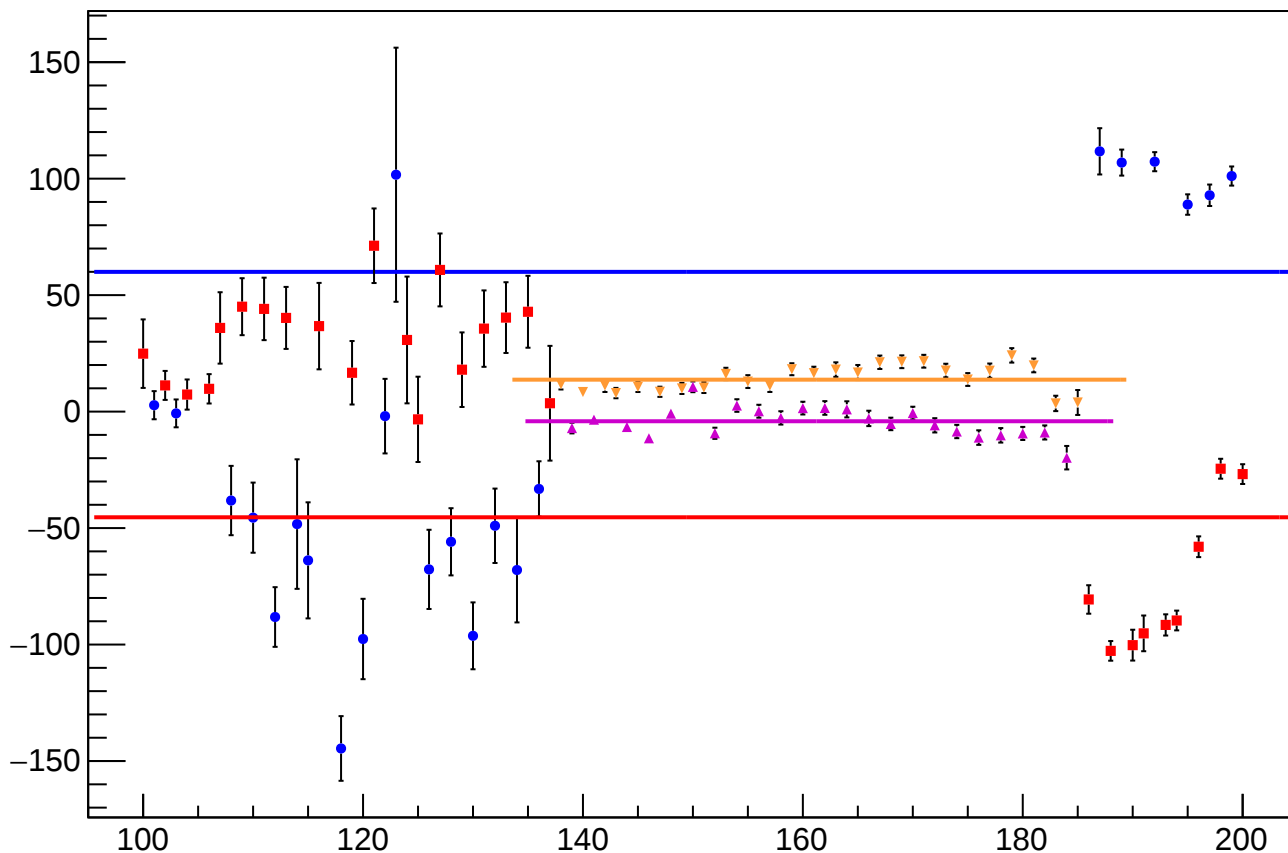
Left In: 15305.311+/-3.386 χ^2/NDF : 7721177.0/22

+ sign 3133.438+/-0.804 χ^2/NDF : 29395333.2/47

All: 3050.747+/-0.549 χ^2/NDF : 59233925.6/50

- sign 2978.437+/-0.752 χ^2/NDF : 29818753.4/50

diff_bpm0l04X_mean vs Slug



Right In: 59.984 ± 1.638 $\chi^2/\text{NDF}: 1581.5/22$

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

Right Out: -45.365 ± 1.377 $\chi^2/\text{NDF}: 1270.5/27$

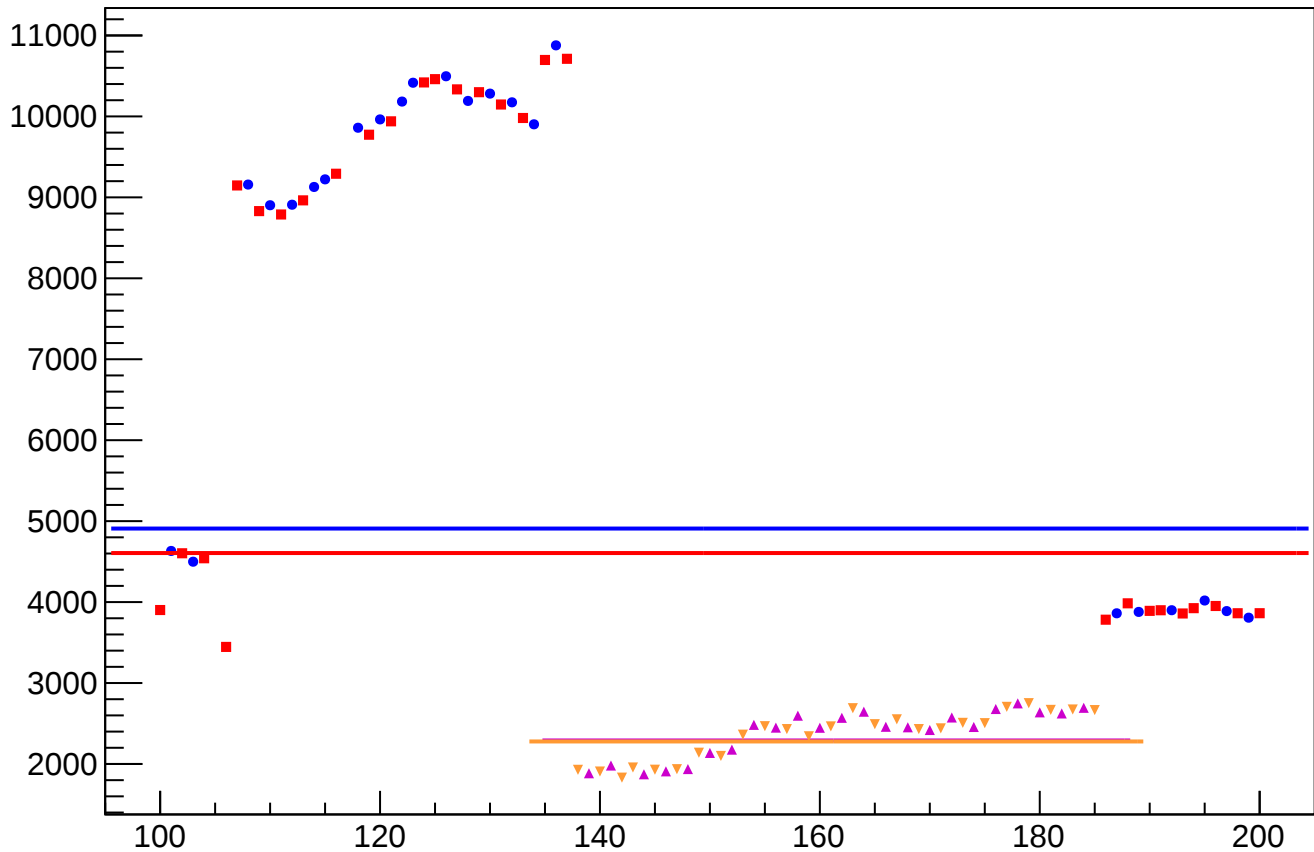
Left In: -4.141 ± 0.555 $\chi^2/\text{NDF}: 111.7/22$

+ sign 18.172 ± 0.509 $\chi^2/\text{NDF}: 2392.1/47$

All: 4.296 ± 0.362 $\chi^2/\text{NDF}: 6050.2/98$

- sign -9.899 ± 0.515 $\chi^2/\text{NDF}: 2153.4/50$

diff_bpm0l04X_rms vs Slug



Right In: 4908.432+/-1.159 χ^2/NDF : 3404468.0/22

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

Right Out: 4605.786+/-0.974 χ^2/NDF : 3654152.0/27

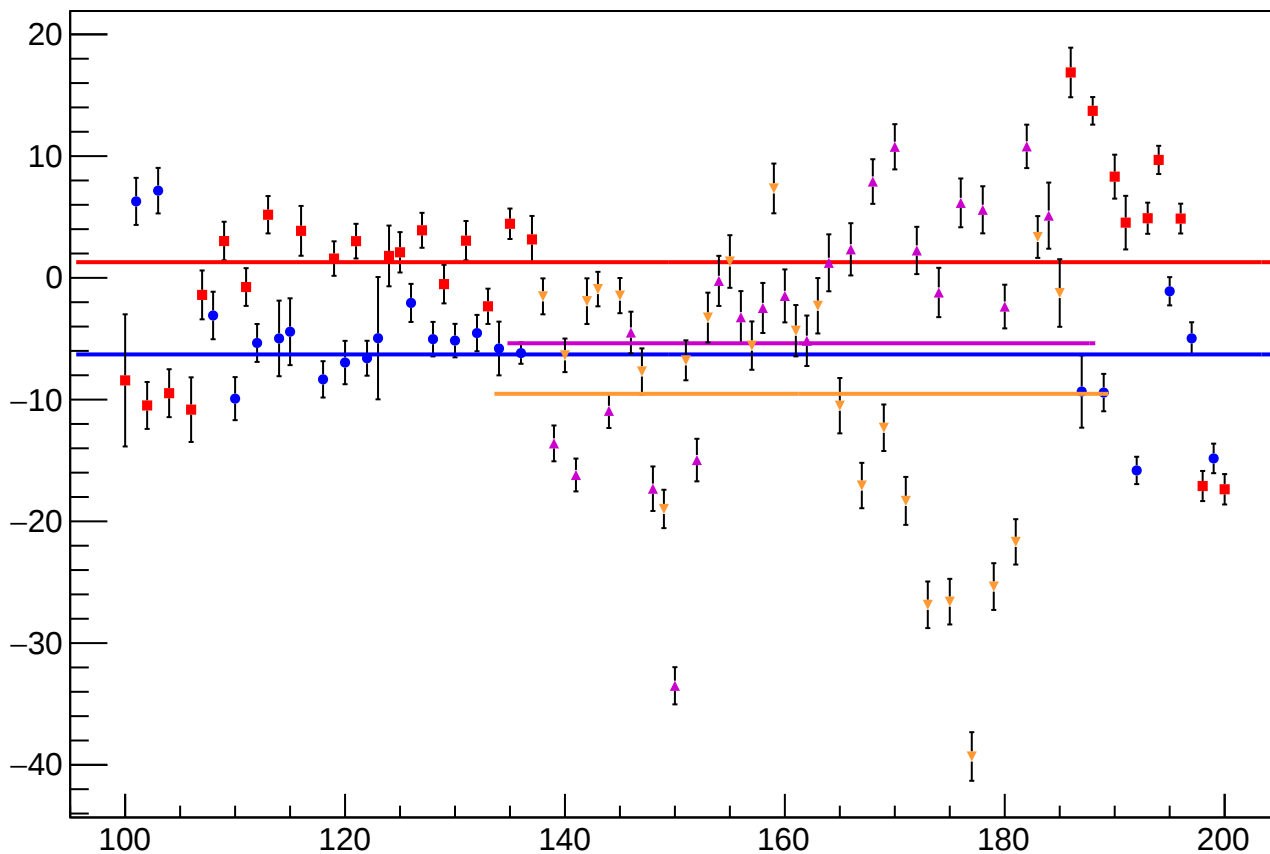
Left In: 2290.461+/-0.392 χ^2/NDF : 590272.1/22

+ sign 2531.747+/-0.360 χ^2/NDF : 8668802.4/47

All: 2572.349+/-0.256 χ^2/NDF : 17804588.2/50

- sign 2613.883+/-0.364 χ^2/NDF : 9110020.5/50

diff_bpm0l04Y_mean vs Slug



Right In: -6.289 ± 0.320 χ^2/NDF : 262.2/22

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

Right Out: 1.288 ± 0.295 χ^2/NDF : 834.6/27

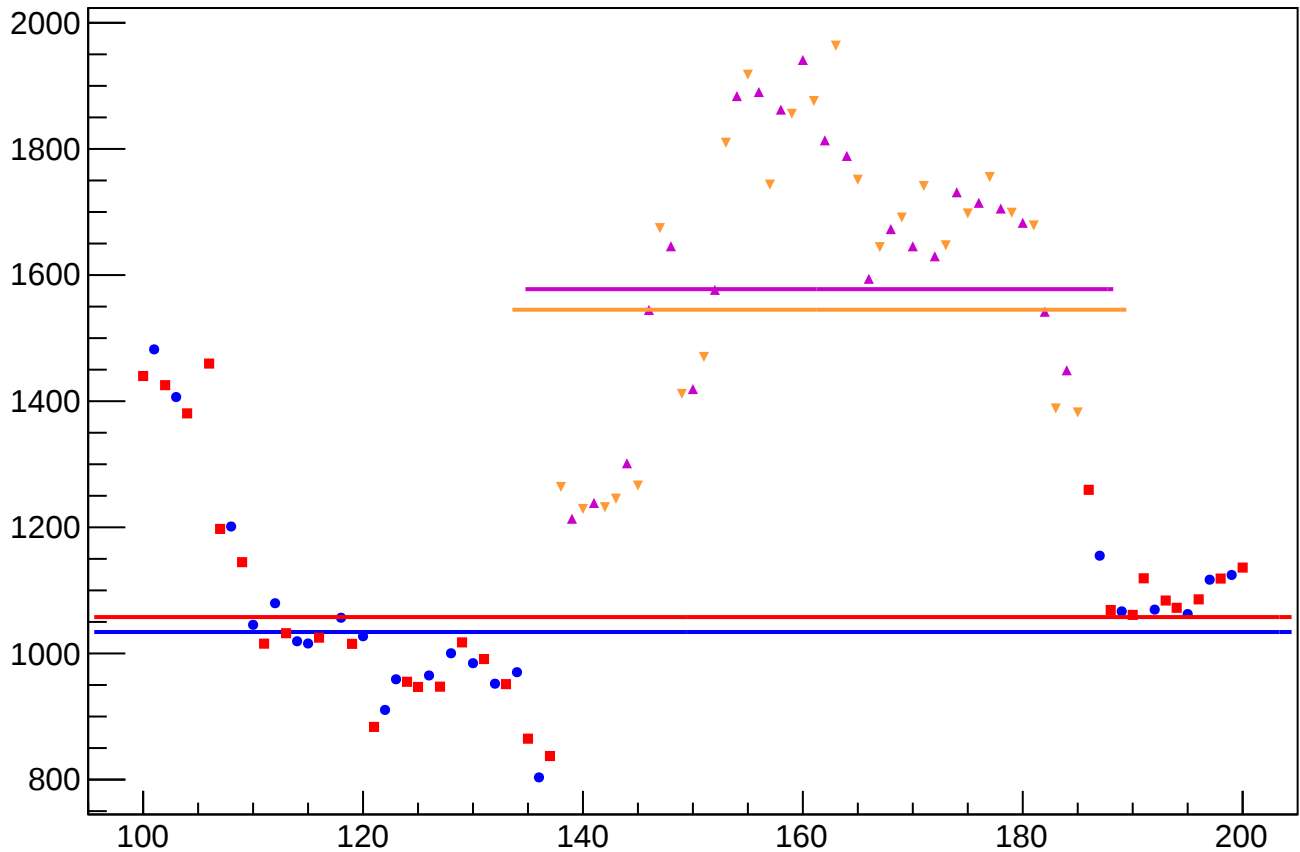
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -7.694 ± 0.240 χ^2/NDF : 1190.8/47

All: -4.357 ± 0.168 χ^2/NDF : 3459.9/98

- sign -1.198 ± 0.234 χ^2/NDF : 1894.0/50

diff_bpm0l04Y_rms vs Slug



Right In: 1033.989 $\pm$ 0.226 χ^2 /NDF: 399056.8/22

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

Right Out: 1057.707 $\pm$ 0.209 χ^2 /NDF: 382327.6/27

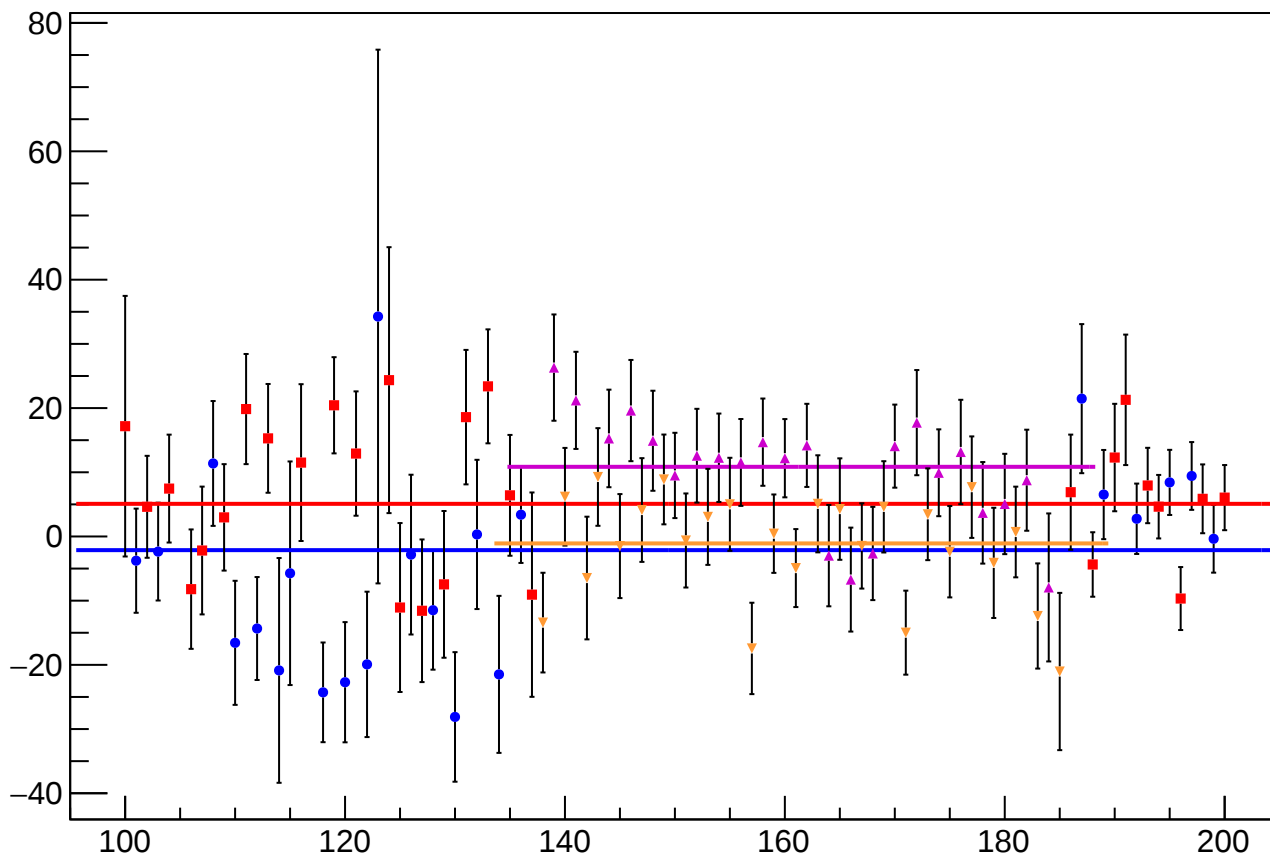
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1255.960 $\pm$ 0.170 χ^2 /NDF: 3462488.9/47

All: 1253.821 $\pm$ 0.119 χ^2 /NDF: 6782118.3/98

- sign 1251.795 $\pm$ 0.165 χ^2 /NDF: 3319321.0/50

diff_bpm0l05X_mean vs Slug



Right In: -2.130 ± 1.705 $\chi^2/\text{NDF}: 50.4/22$

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

Right Out: 5.084 ± 1.485 $\chi^2/\text{NDF}: 41.4/27$

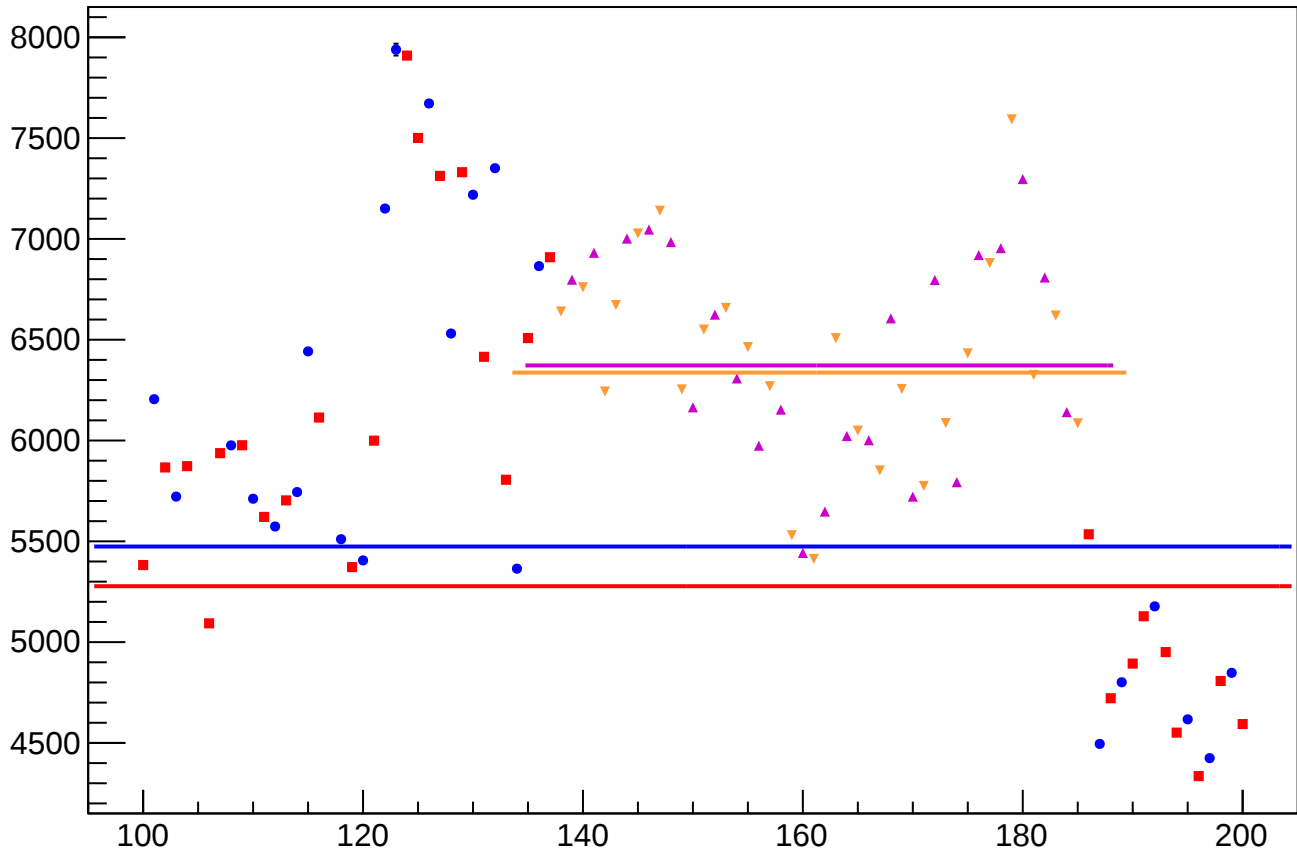
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

+ sign -1.536 ± 1.121 $\chi^2/\text{NDF}: 78.1/47$

All: 3.381 ± 0.774 $\chi^2/\text{NDF}: 187.9/98$

- sign 7.860 ± 1.070 $\chi^2/\text{NDF}: 73.0/50$

diff_bpm0l05X_rms vs Slug



Right In: 5474.235 $\pm$ 1.206 χ^2 /NDF: 555096.7/22

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

Right Out: 5277.280 $\pm$ 1.050 χ^2 /NDF: 586473.1/27

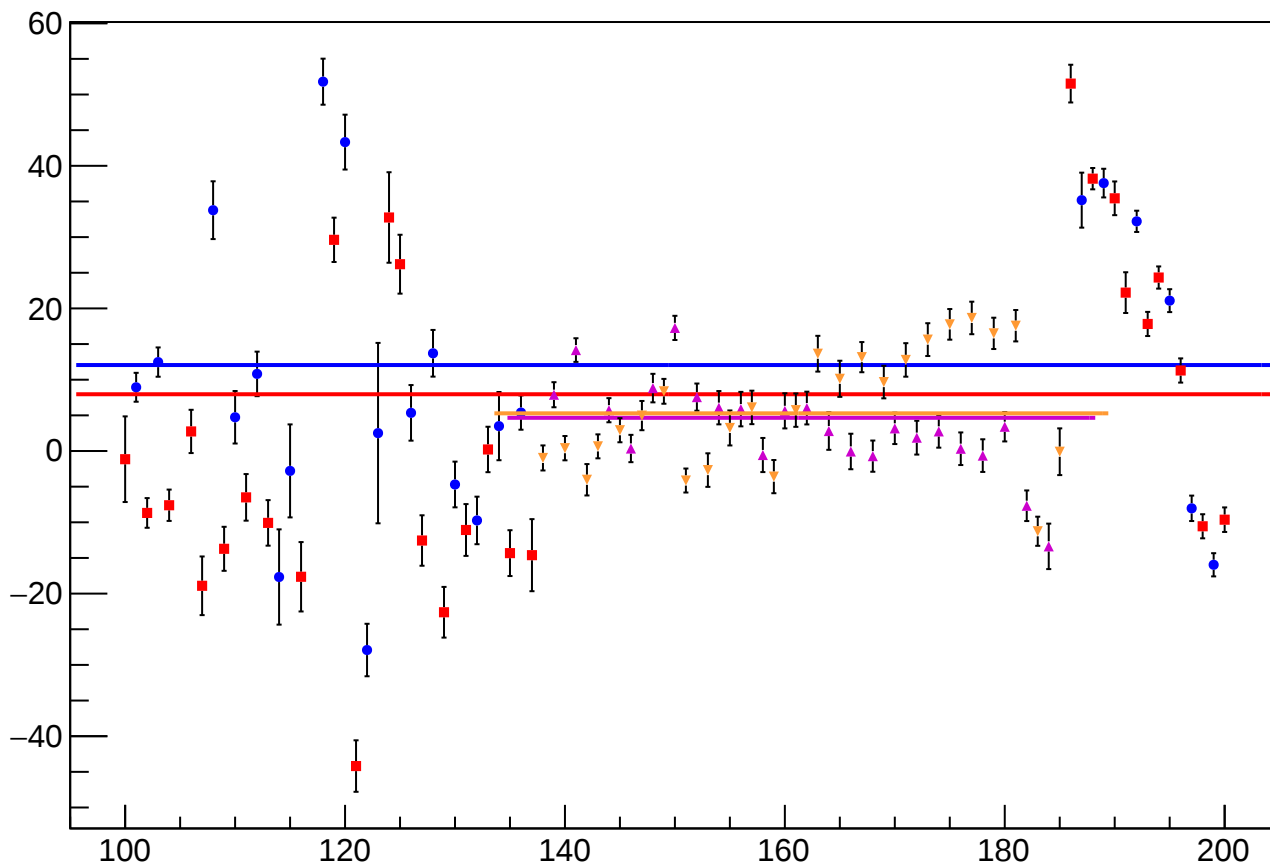
Left In: 6372.349 $\pm$ 1.090 χ^2 /NDF: 247257.0/22

+ sign 5964.140 $\pm$ 0.792 χ^2 /NDF: 1068779.1/47

All: 5880.540 $\pm$ 0.547 χ^2 /NDF: 2447159.7/98

- sign 5804.395 $\pm$ 0.756 χ^2 /NDF: 1357115.2/50

diff_bpm0l05Y_mean vs Slug



Right In: 12.058 $\pm$ 0.541 χ^2 /NDF: 1315.4/22

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

Right Out: 7.962 $\pm$ 0.477 χ^2 /NDF: 2003.7/27

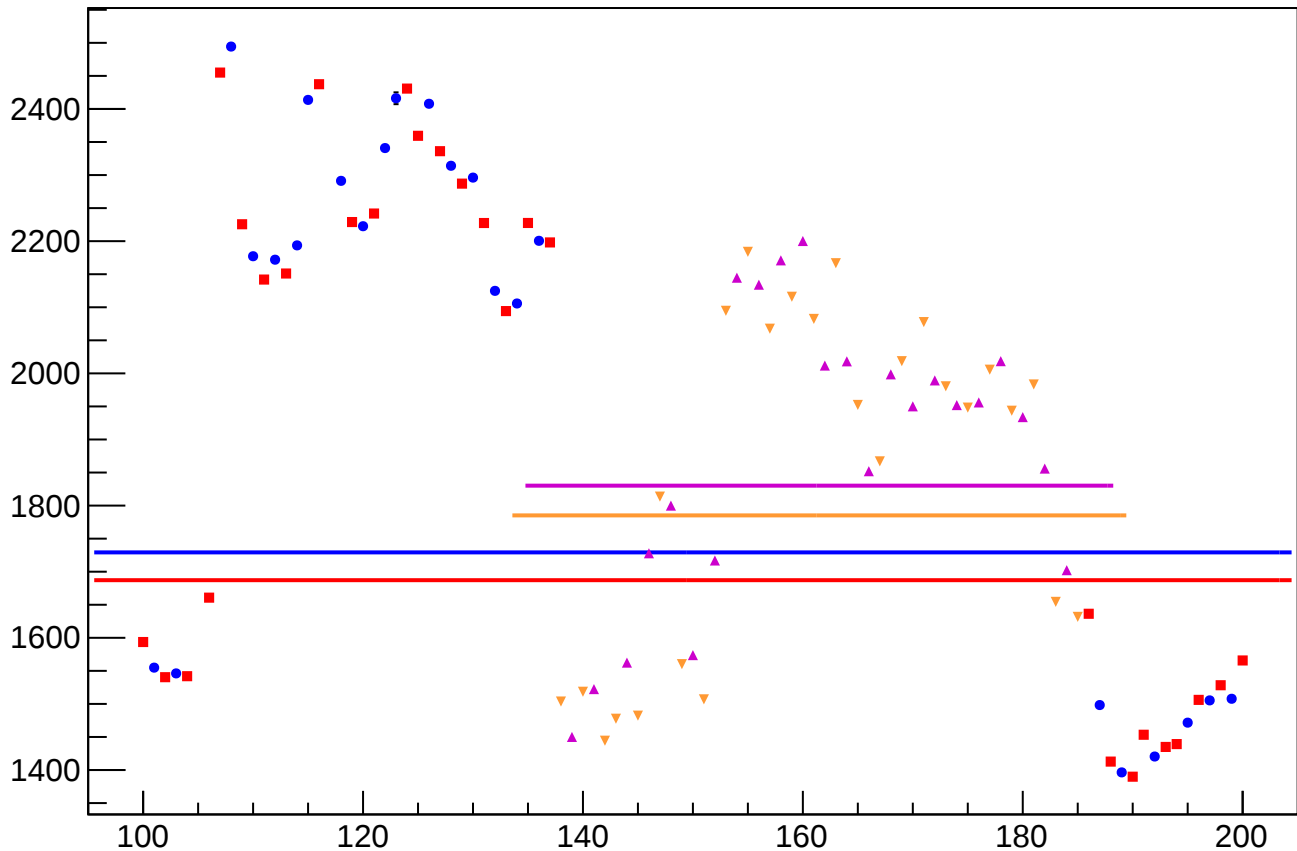
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF:196.5/22

+ sign 7.836 $\pm$ 0.332 χ^2 /NDF: 1779.1/47

All: 6.994 $\pm$ 0.232 χ^2 /NDF: 4017.7/98

- sign 6.188 $\pm$ 0.325 χ^2 /NDF: 2226.0/50

diff_bpm0l05Y_rms vs Slug



Right In: 1729.210 $\pm$ 0.383 χ^2 /NDF: 930270.9/22

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

Right Out: 1687.169 $\pm$ 0.337 χ^2 /NDF: 1003379.7/27

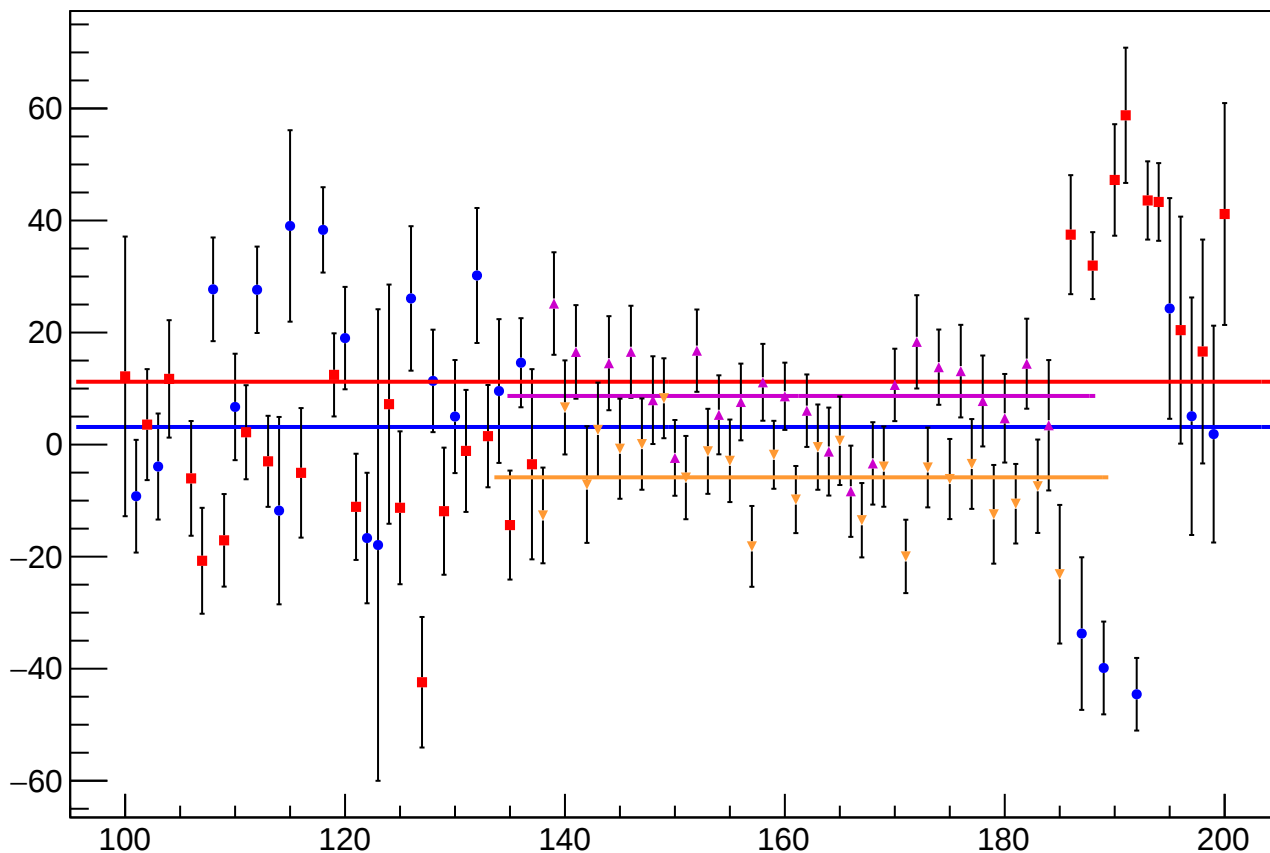
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1764.098 $\pm$ 0.235 χ^2 /NDF: 1694232.9/47

All: 1764.003 $\pm$ 0.164 χ^2 /NDF: 3302398.4/98

- sign 1763.912 $\pm$ 0.230 χ^2 /NDF: 1608165.1/50

diff_bpm0l06X_mean vs Slug



Right In: 3.144 ± 2.169 $\chi^2/\text{NDF}: 153.1/22$

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

Right Out: 11.221 ± 1.882 $\chi^2/\text{NDF}: 168.8/27$

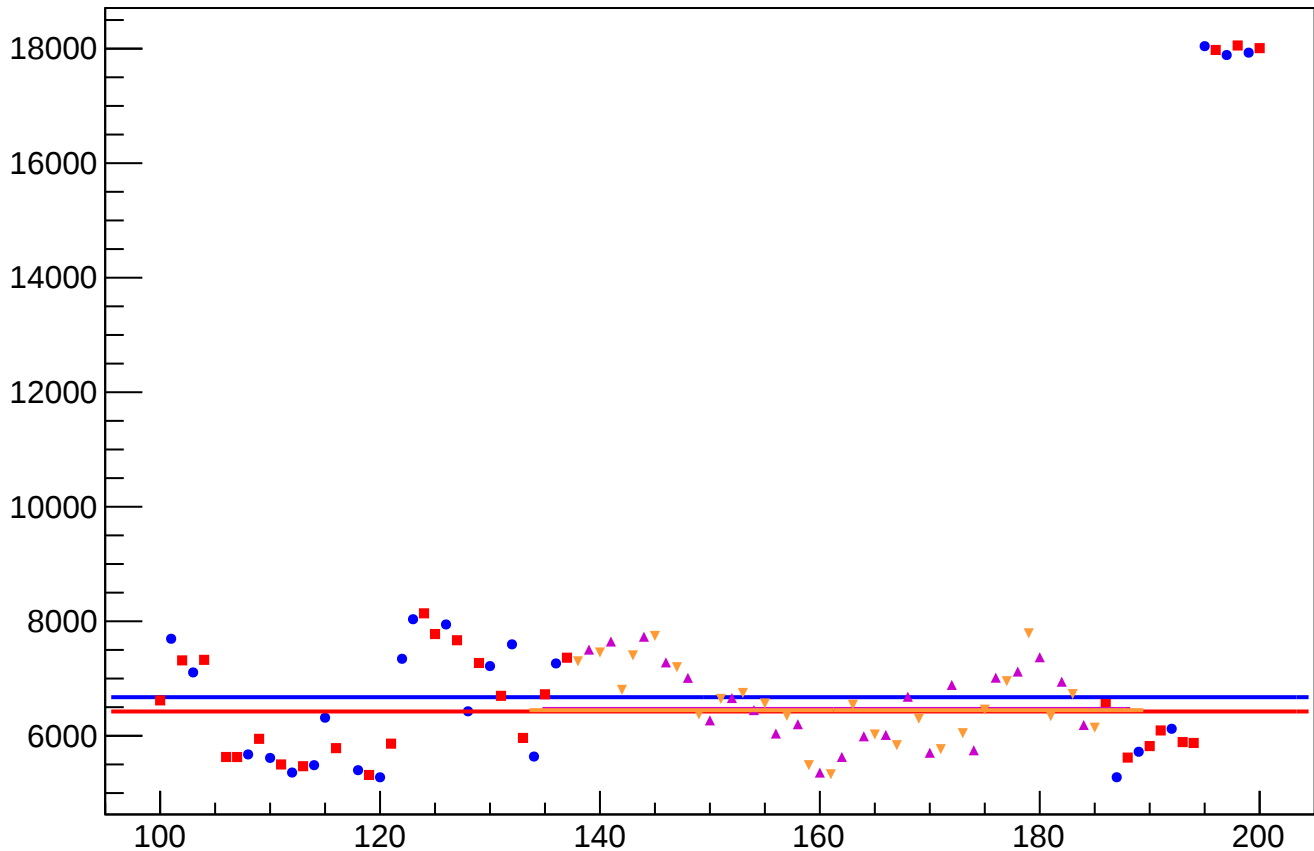
Left In: 8.683 ± 1.571 $\chi^2/\text{NDF}: 21.9/22$

+ sign -2.885 ± 1.244 $\chi^2/\text{NDF}: 187.9/47$

All: 3.615 ± 0.866 $\chi^2/\text{NDF}: 432.7/98$

- sign 9.725 ± 1.206 $\chi^2/\text{NDF}: 191.8/50$

diff_bpm0l06X_rms vs Slug



Right In: 6674.589 $\pm$ 1.534 χ^2 /NDF: 2280834.1/22

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

Right Out: 6424.649 $\pm$ 1.331 χ^2 /NDF: 2336880.6/27

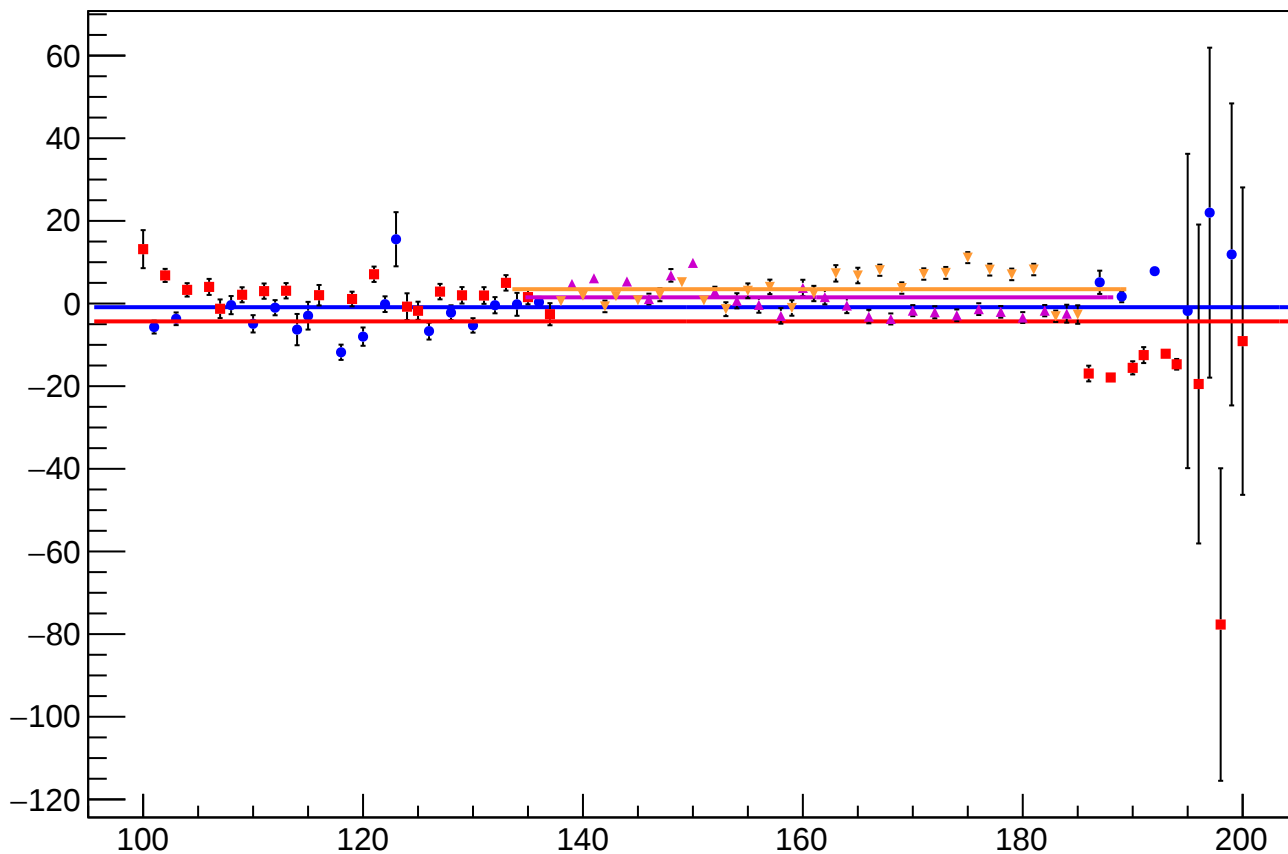
Left In: 6468.902 $\pm$ 1.111 χ^2 /NDF: 383325.4/22

+ sign 6522.329 $\pm$ 0.880 χ^2 /NDF: 2667192.6/47

All: 6485.428 $\pm$ 0.612 χ^2 /NDF: 5391465.5/98

- sign 6450.739 $\pm$ 0.853 χ^2 /NDF: 2720857.7/50

diff_bpm0l06Y_mean vs Slug



Right In: -0.887 ± 0.406 χ^2/NDF : 171.8/22

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

Right Out: -4.323 ± 0.355 χ^2/NDF : 666.0/27

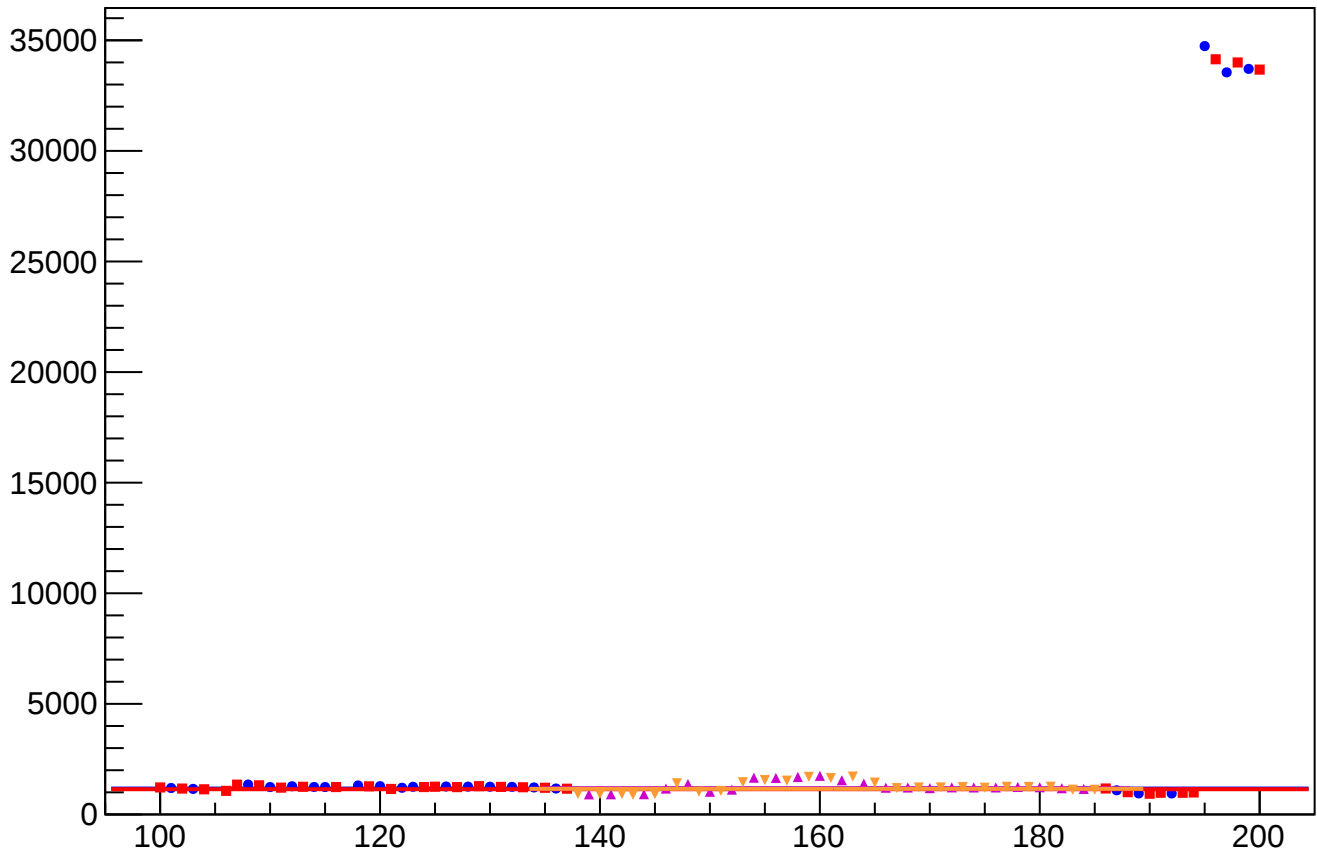
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.090 ± 0.228 χ^2/NDF : 426.5/47

All: 0.602 ± 0.160 χ^2/NDF : 1540.1/98

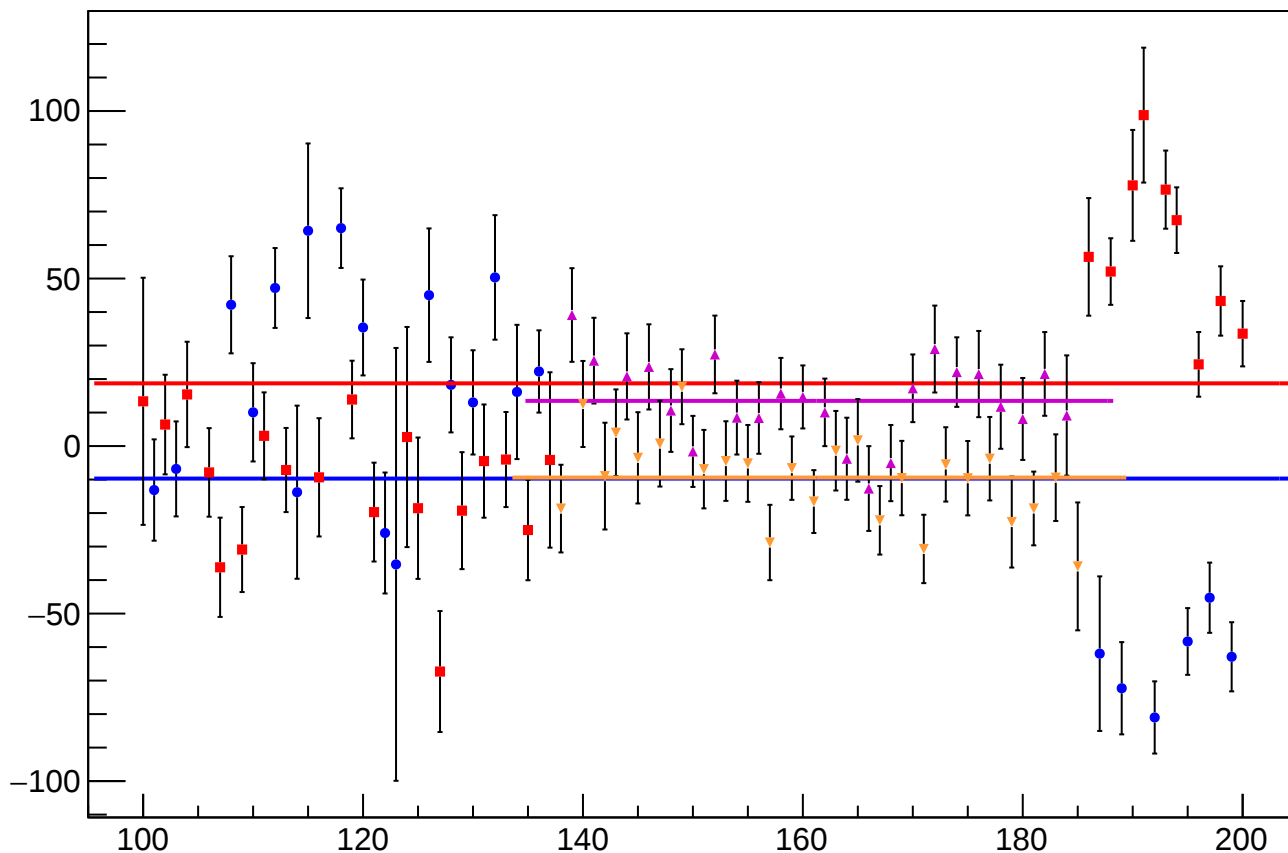
- sign -0.838 ± 0.225 χ^2/NDF : 1030.1/50

diff_bpm0l06Y_rms vs Slug



Right In: 1170.207+/-0.287	χ^2/NDF : 4669337.7/22	+ sign 1162.480+/-0.162	χ^2/NDF : 6080823.4/47
Left Out: 1158.894+/-0.195	χ^2/NDF : 1410423.6/24	All: 1164.956+/-0.113	χ^2/NDF : 12034505.4/9
Right Out: 1141.140+/-0.251	χ^2/NDF : 4744512.5/27	- sign 1167.354+/-0.159	χ^2/NDF : 5953219.3/50
Left In: 1184.966+/-0.206	χ^2/NDF : 1190431.5/22		

diff_bpm0l07X_mean vs Slug



Right In: -9.706 ± 2.988 $\chi^2/\text{NDF}: 260.0/22$

Left Out: -9.398 ± 2.358 $\chi^2/\text{NDF}: 26.3/24$

Right Out: 18.715 ± 2.626 $\chi^2/\text{NDF}: 195.6/27$

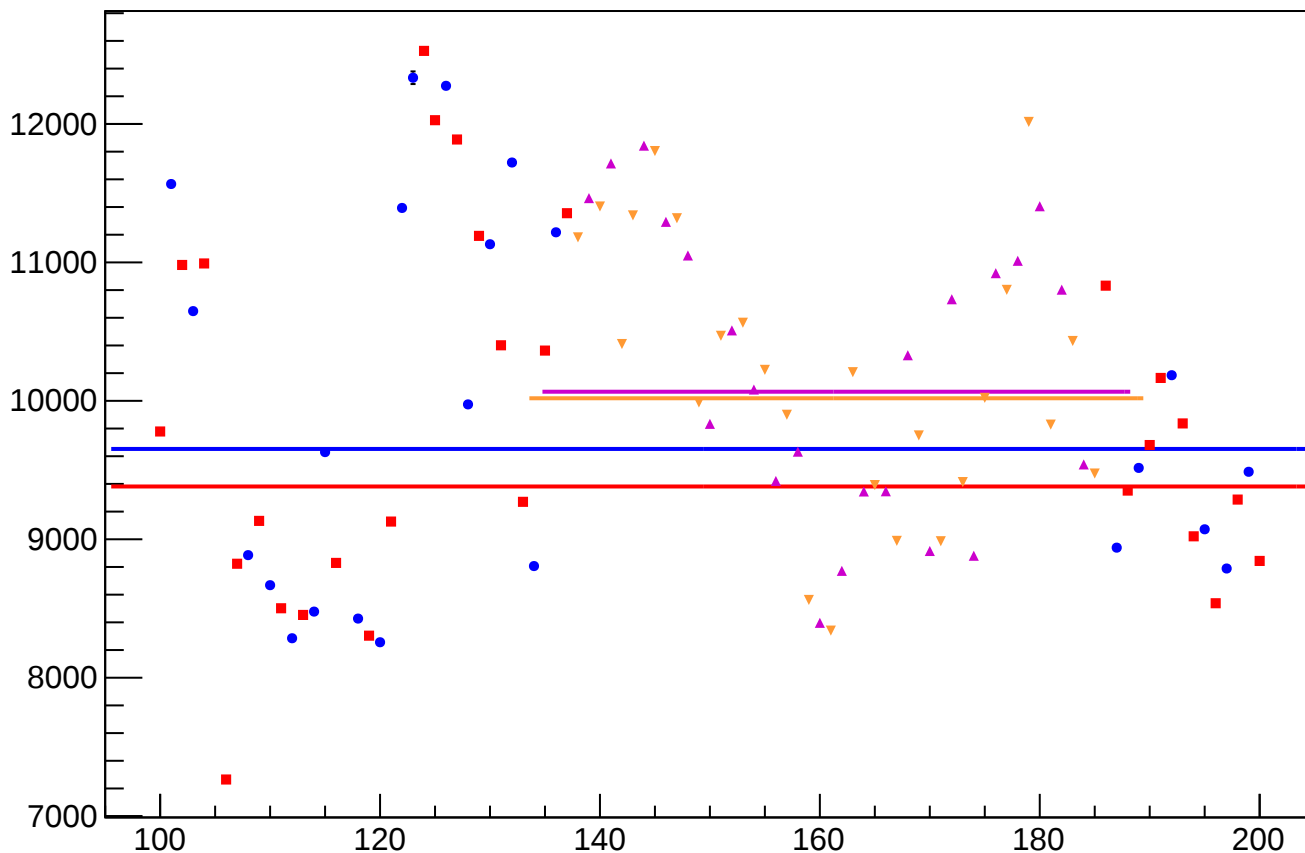
Left In: 13.485 ± 2.443 $\chi^2/\text{NDF}: 21.6/22$

+ sign -9.516 ± 1.851 $\chi^2/\text{NDF}: 286.3/47$

All: 3.636 ± 1.286 $\chi^2/\text{NDF}: 603.1/98$

- sign 15.912 ± 1.788 $\chi^2/\text{NDF}: 219.3/50$

diff_bpm0l07X_rms vs Slug



Right In: 9652.585+/-2.113 χ^2/NDF : 291797.0/22

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

Right Out: 9381.394+/-1.857 χ^2/NDF : 321085.8/27

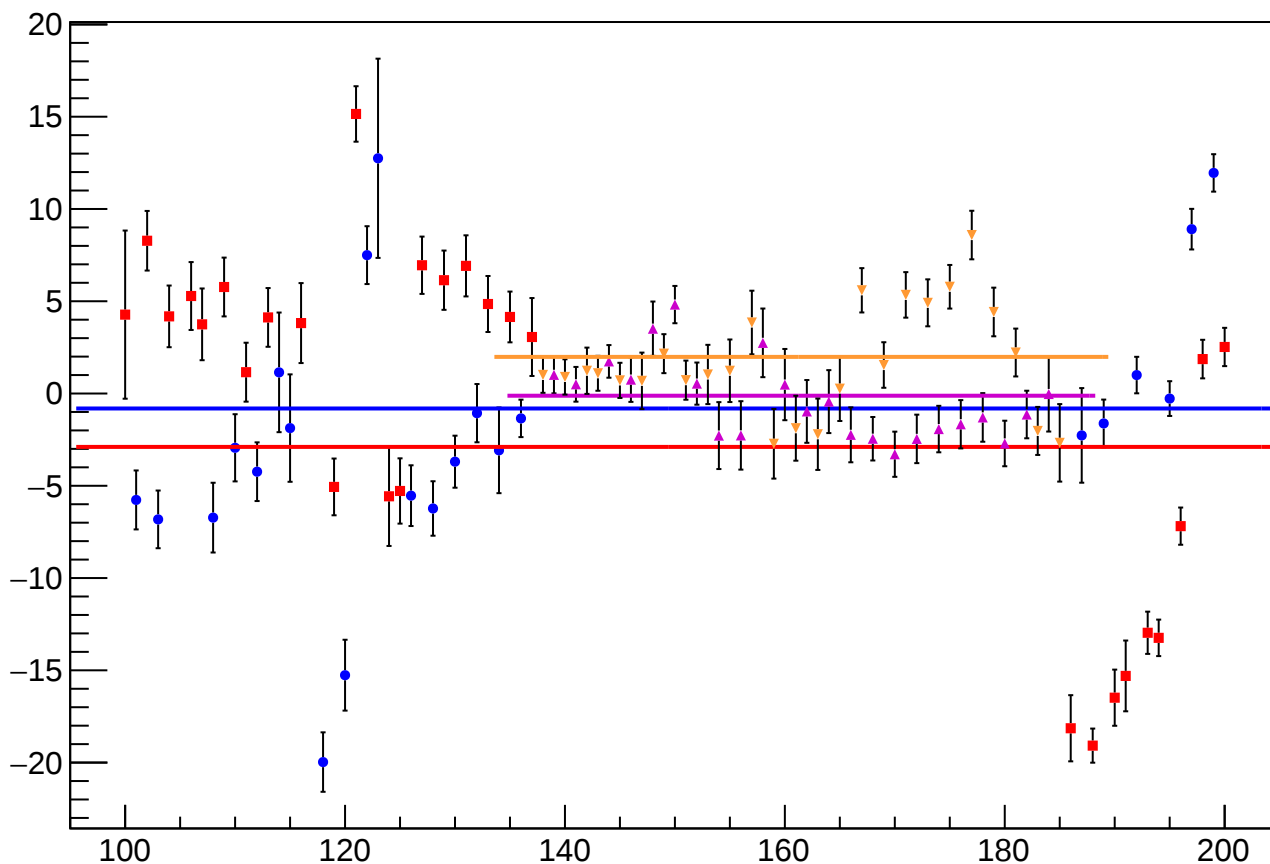
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

+ sign 9878.061+/-1.309 χ^2/NDF : 654820.1/47

All: 9810.941+/-0.910 χ^2/NDF : 1411724.9/98

- sign 9748.295+/-1.265 χ^2/NDF : 751821.6/50

diff_bpm0l07Y_mean vs Slug



Right In: -0.811 ± 0.306 χ^2/NDF : 541.1/22

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

Right Out: -2.893 ± 0.275 χ^2/NDF : 1234.8/27

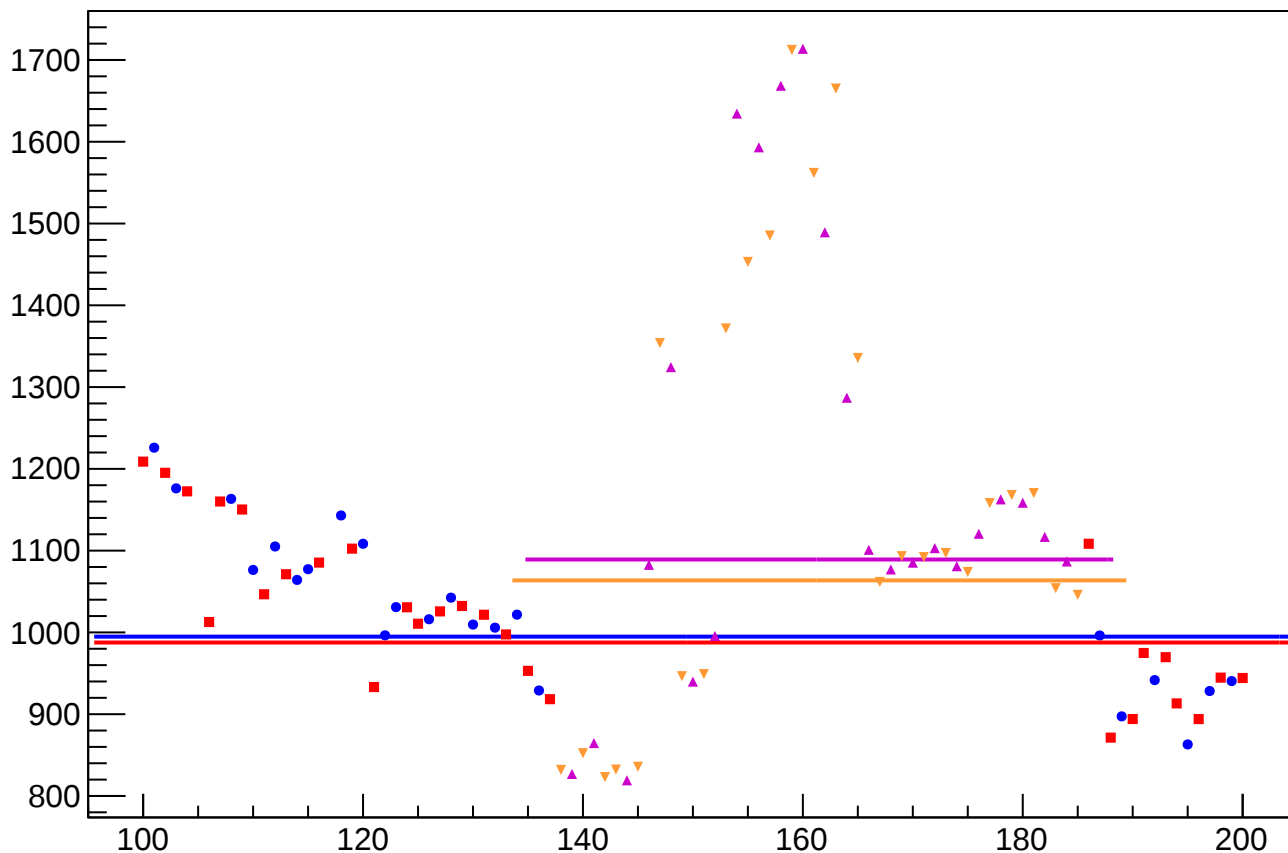
Left In: -0.120 ± 0.269 χ^2/NDF : 67.6/22

+ sign 0.840 ± 0.196 χ^2/NDF : 691.6/47

All: -0.339 ± 0.137 χ^2/NDF : 2117.2/98

- sign -1.474 ± 0.192 χ^2/NDF : 1354.5/50

diff_bpm0l07Y_rms vs Slug



Right In: 994.836 ± 0.216 χ^2/NDF : 205591.7/22

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

Right Out: 987.643 ± 0.194 χ^2/NDF : 217575.9/27

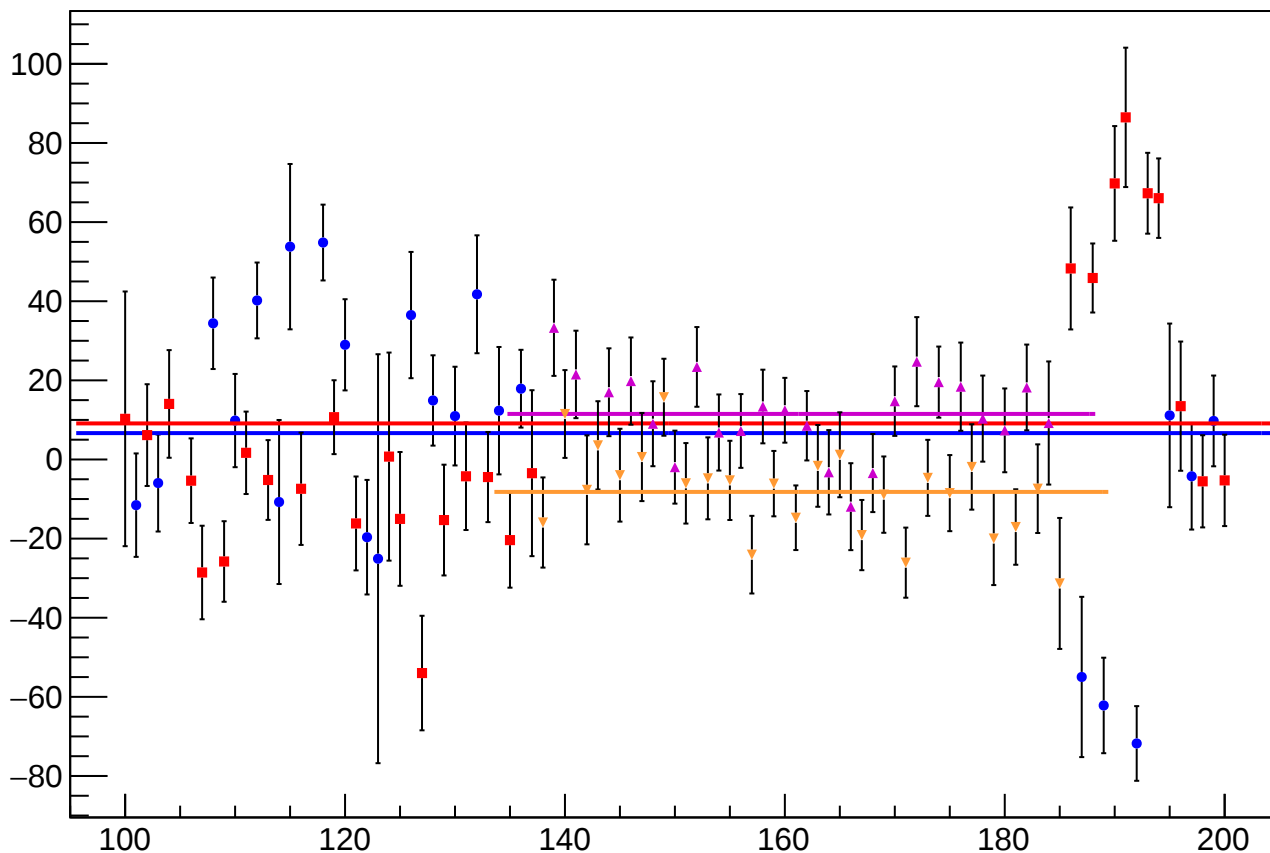
Left In: 1089.154 ± 0.190 χ^2/NDF : 1430478.5/22

+ sign 1035.445 ± 0.138 χ^2/NDF : 1882606.0/47

All: 1037.549 ± 0.097 χ^2/NDF : 3670532.8/98

- sign 1039.576 ± 0.136 χ^2/NDF : 1787473.3/50

diff_bpm0l08X_mean vs Slug



Right In: 6.666 ± 2.687 $\chi^2/\text{NDF}: 182.3/22$

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

Right Out: 9.115 ± 2.350 $\chi^2/\text{NDF}: 194.1/27$

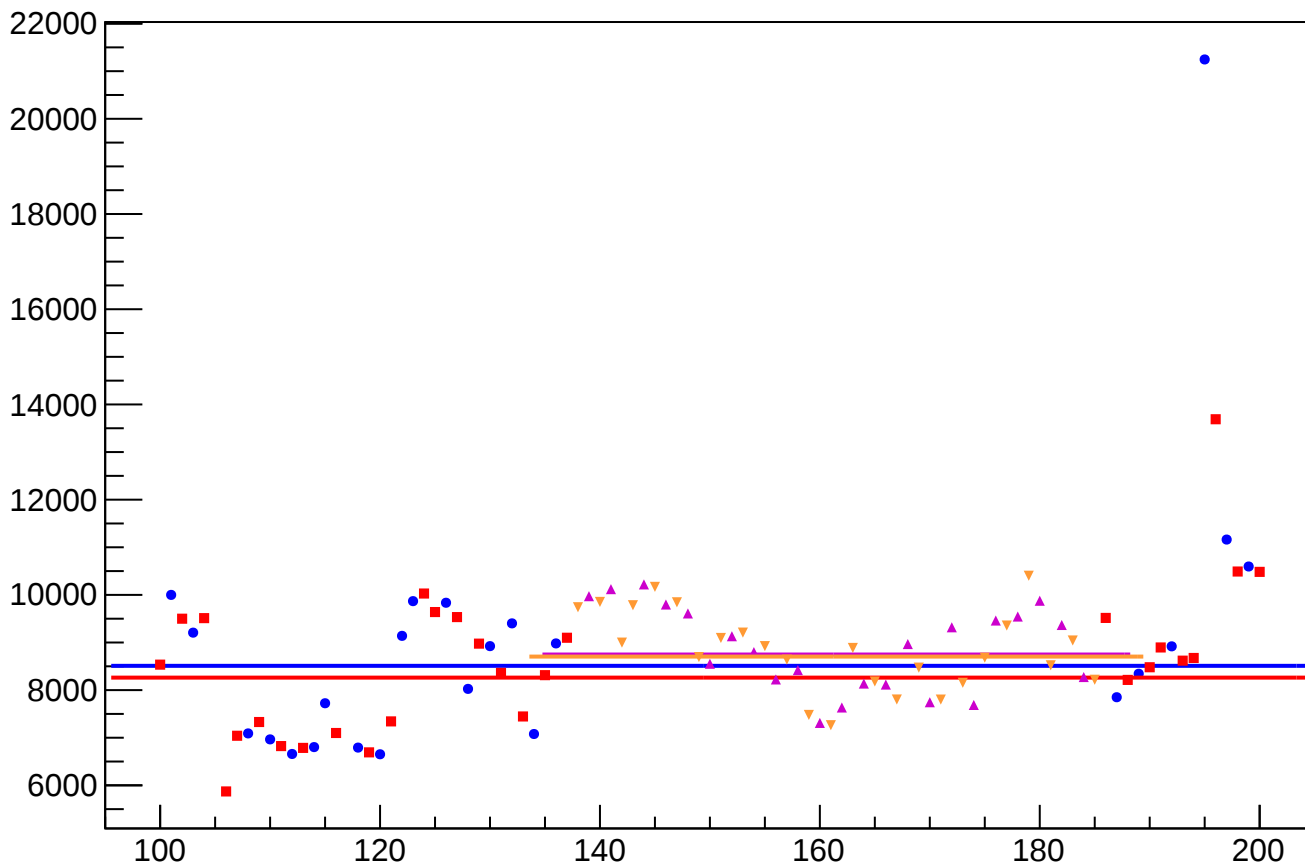
Left In: 11.515 ± 2.122 $\chi^2/\text{NDF}: 21.0/22$

+ sign -2.732 ± 1.629 $\chi^2/\text{NDF}: 227.8/47$

All: 4.075 ± 1.132 $\chi^2/\text{NDF}: 477.3/98$

- sign 10.437 ± 1.575 $\chi^2/\text{NDF}: 215.7/50$

diff_bpm0l08X_rms vs Slug



Right In: 8509.958+/-1.900 χ^2/NDF : 1108893.3/22

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

Right Out: 8262.417+/-1.661 χ^2/NDF : 783289.9/27

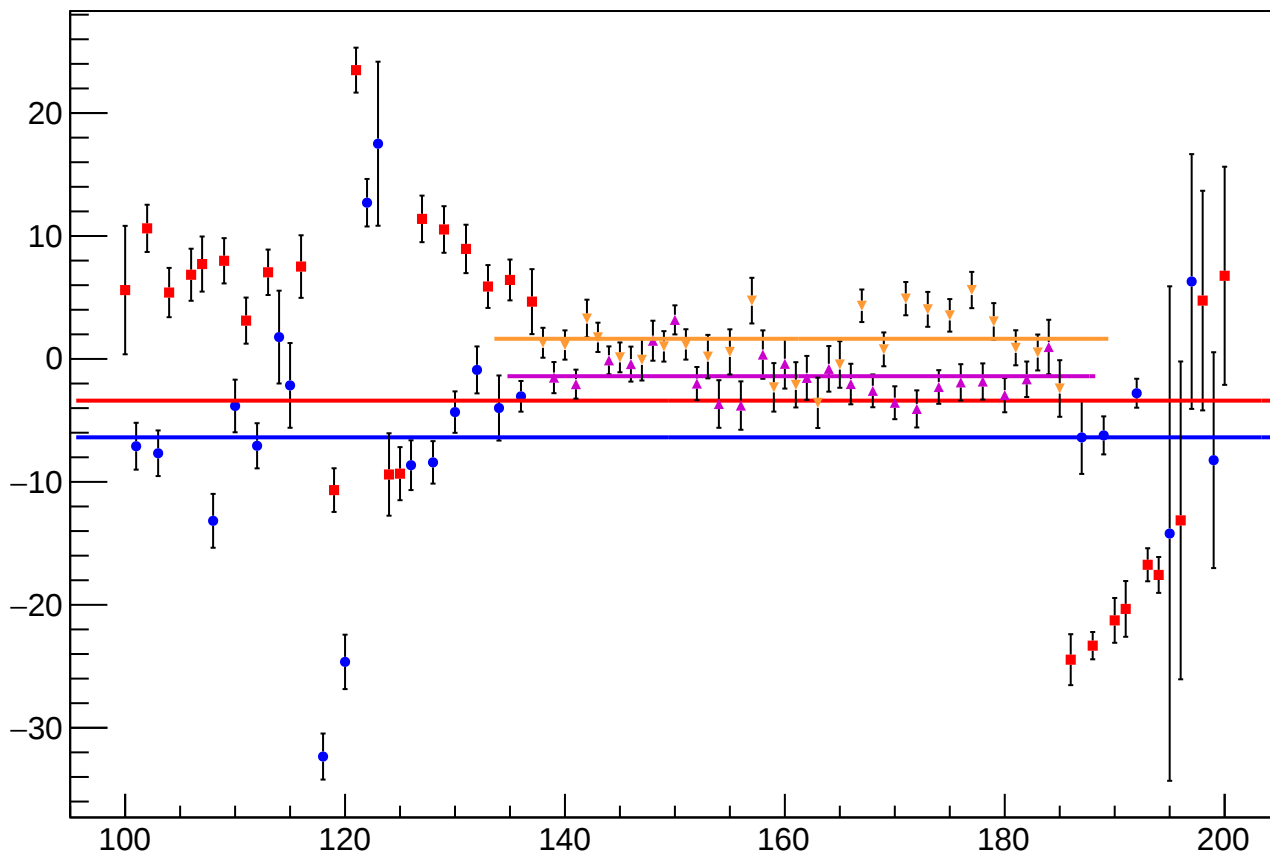
Left In: 8747.415+/-1.501 χ^2/NDF : 347110.4/22

+ sign 8632.790+/-1.152 χ^2/NDF : 1447866.6/47

All: 8579.404+/-0.801 χ^2/NDF : 2629347.3/98

- sign 8529.508+/-1.114 χ^2/NDF : 1177325.7/50

diff_bpm0l08Y_mean vs Slug



Right In: -6.376 ± 0.427 $\chi^2/\text{NDF}: 420.0/22$

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

Right Out: -3.392 ± 0.373 $\chi^2/\text{NDF}: 1468.6/27$

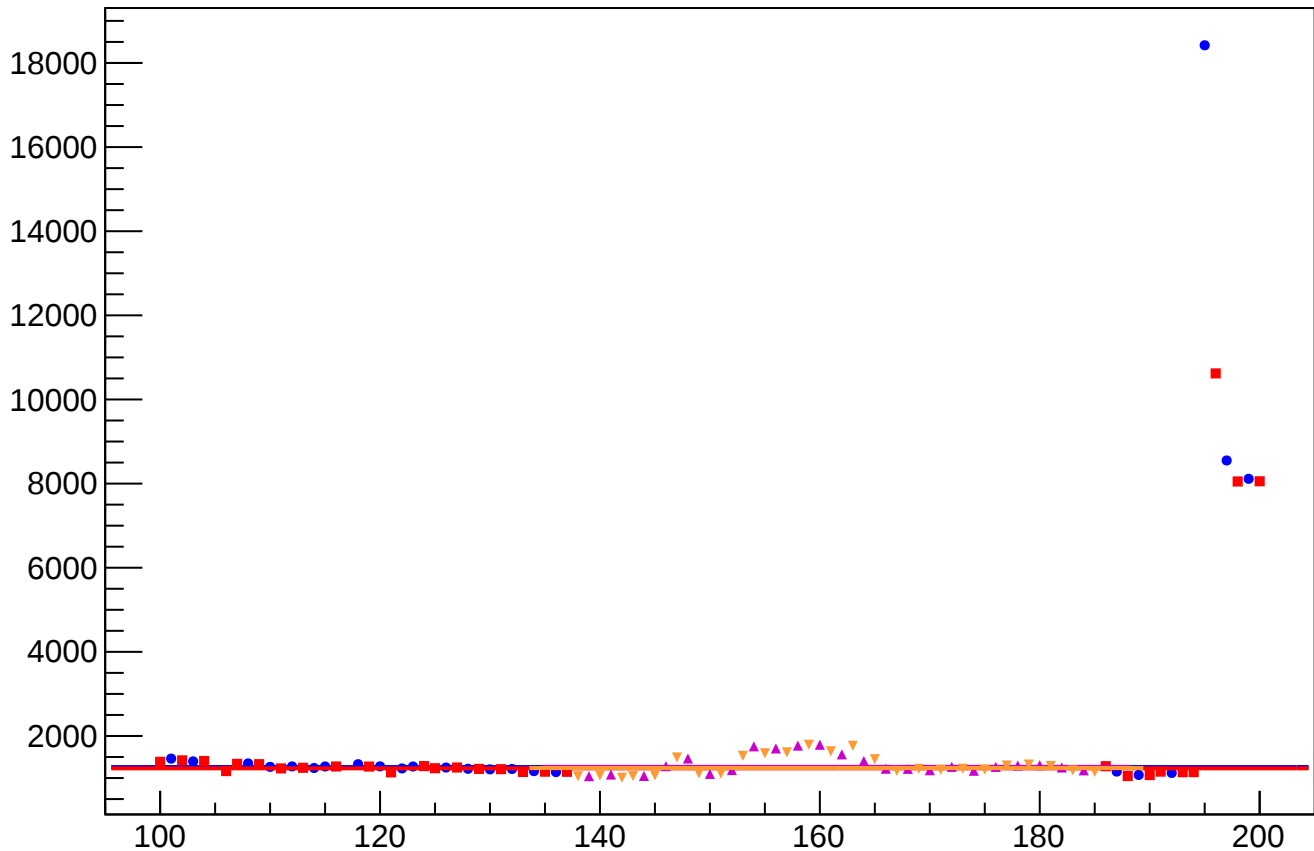
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.936 ± 0.242 $\chi^2/\text{NDF}: 710.8/47$

All: -1.584 ± 0.170 $\chi^2/\text{NDF}: 2244.5/98$

- sign -2.212 ± 0.238 $\chi^2/\text{NDF}: 1519.5/50$

diff_bpm0l08Y_rms vs Slug



Right In: 1261.374 $\pm$ 0.302 χ^2 /NDF: 3789804.4/22

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

Right Out: 1230.517 $\pm$ 0.264 χ^2 /NDF: 3564683.9/27

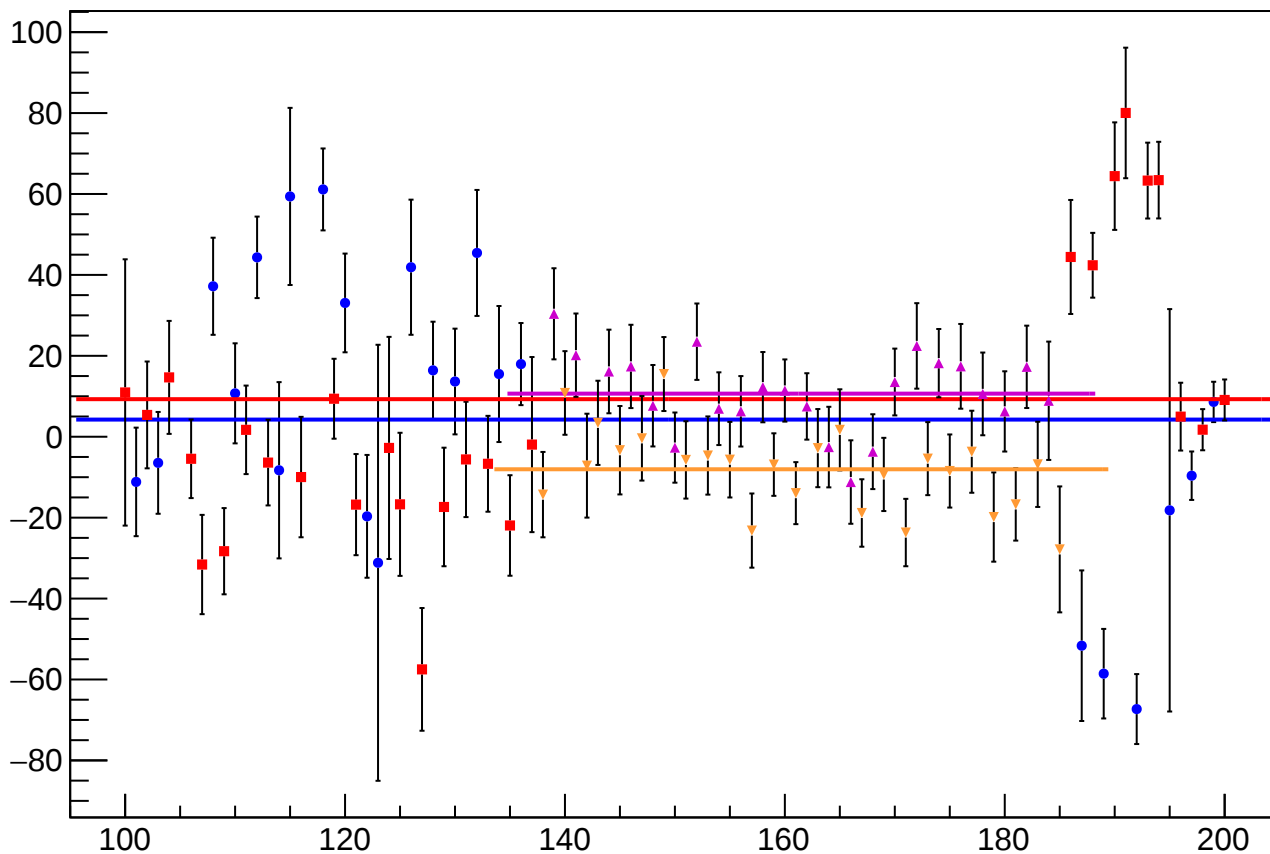
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1245.807 $\pm$ 0.171 χ^2 /NDF: 4758899.6/47

All: 1248.640 $\pm$ 0.120 χ^2 /NDF: 9179804.1/98

- sign 1251.385 $\pm$ 0.168 χ^2 /NDF: 4420364.3/50

diff_bpm0l09X_mean vs Slug



Right In: 4.240 ± 2.311 χ^2/NDF : 204.4/22

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

Right Out: 9.284 ± 1.980 χ^2/NDF : 197.4/27

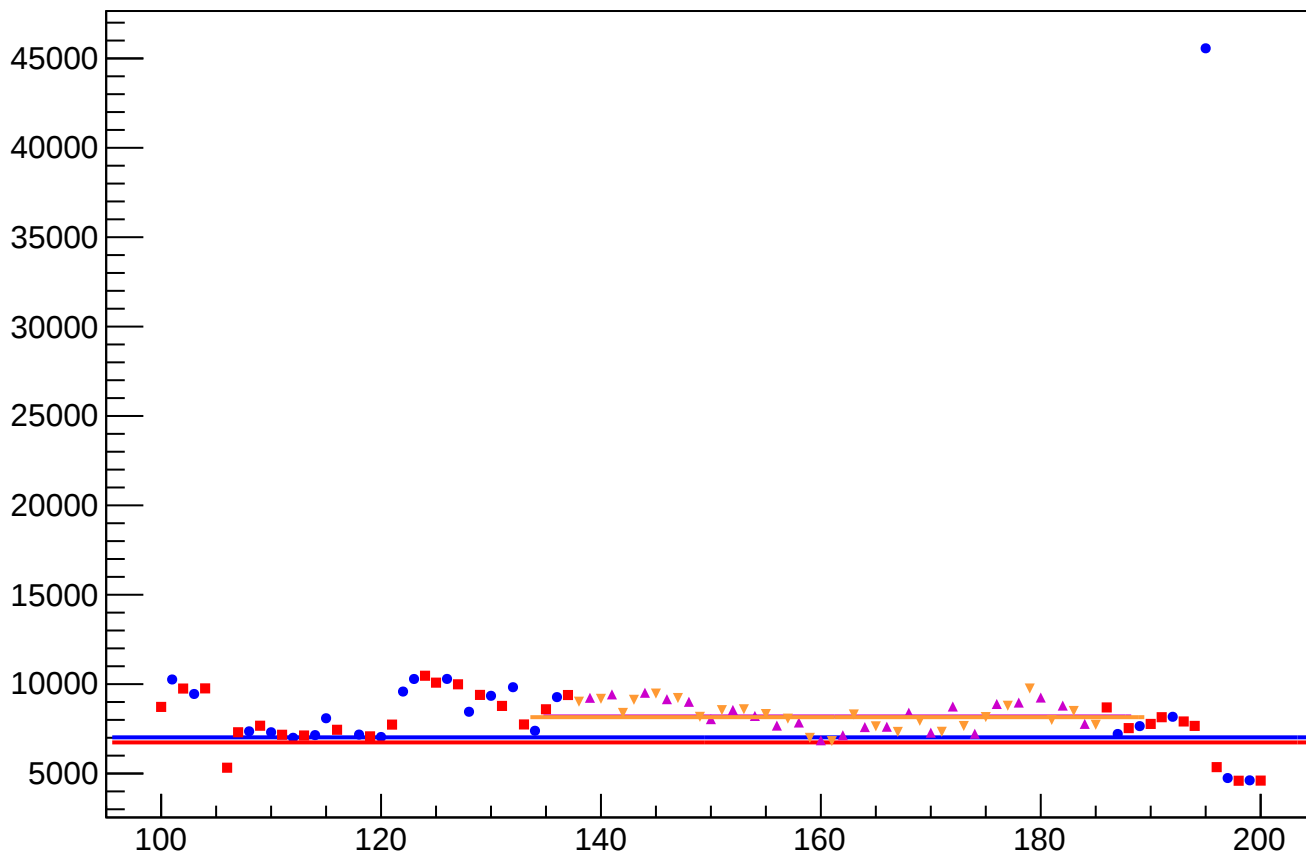
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign -3.031 ± 1.476 χ^2/NDF : 247.4/47

All: 3.797 ± 1.017 χ^2/NDF : 507.2/98

- sign 9.966 ± 1.403 χ^2/NDF : 219.0/50

diff_bpm0l09X_rms vs Slug



Right In: 7023.427 $\pm$ 1.634 χ^2 /NDF: 2593331.4/22

Left Out: 8151.489 $\pm$ 1.356 χ^2 /NDF: 321803.3/24

Right Out: 6739.698 $\pm$ 1.400 χ^2 /NDF: 1590766.4/27

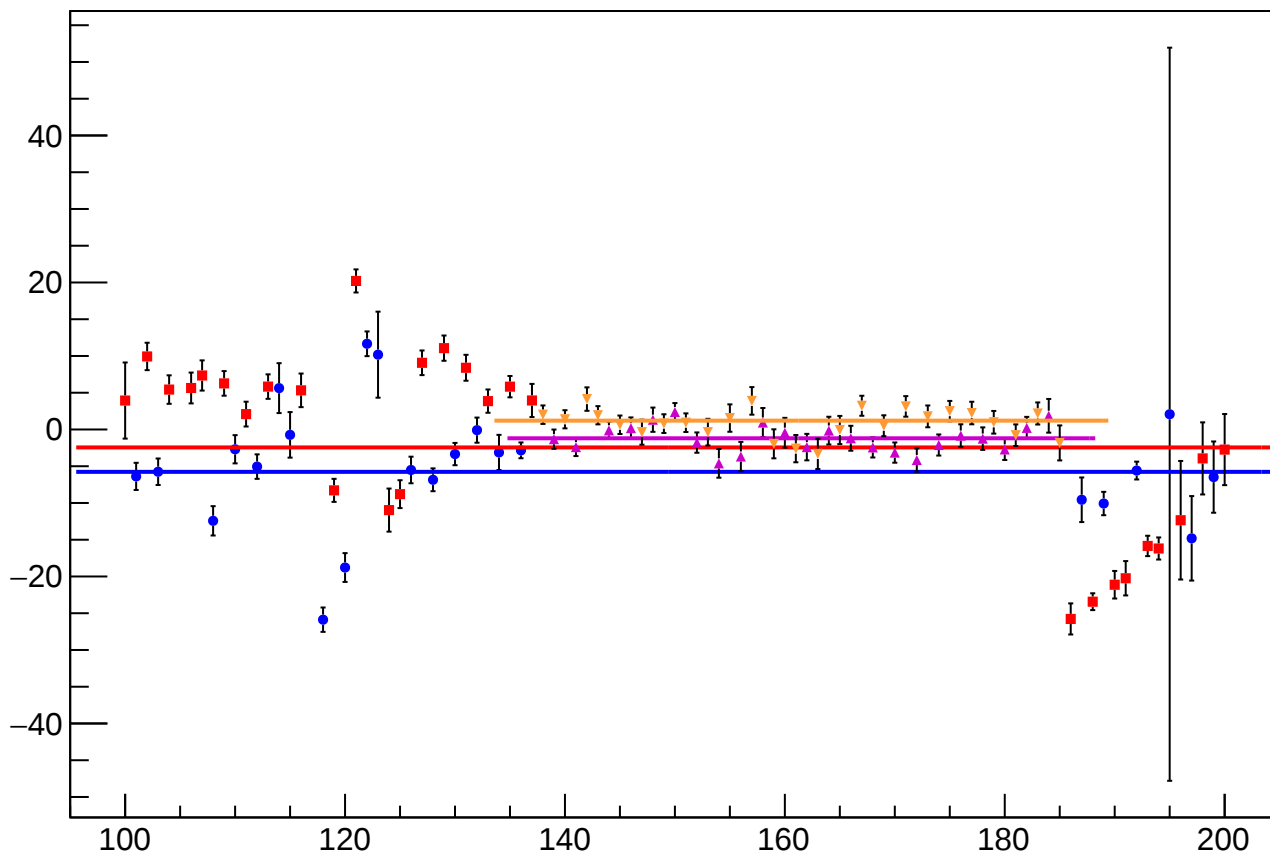
Left In: 8193.636 $\pm$ 1.405 χ^2 /NDF: 338377.6/22

+ sign 7691.258 $\pm$ 1.044 χ^2 /NDF: 3197344.7/47

All: 7571.783 $\pm$ 0.719 χ^2 /NDF: 5688615.3/98

- sign 7463.861 $\pm$ 0.992 χ^2 /NDF: 2466325.0/50

diff_bpm0l09Y_mean vs Slug



Right In: -5.765 ± 0.393 χ^2/NDF : 368.3/22

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

Right Out: -2.442 ± 0.351 χ^2/NDF : 1408.1/27

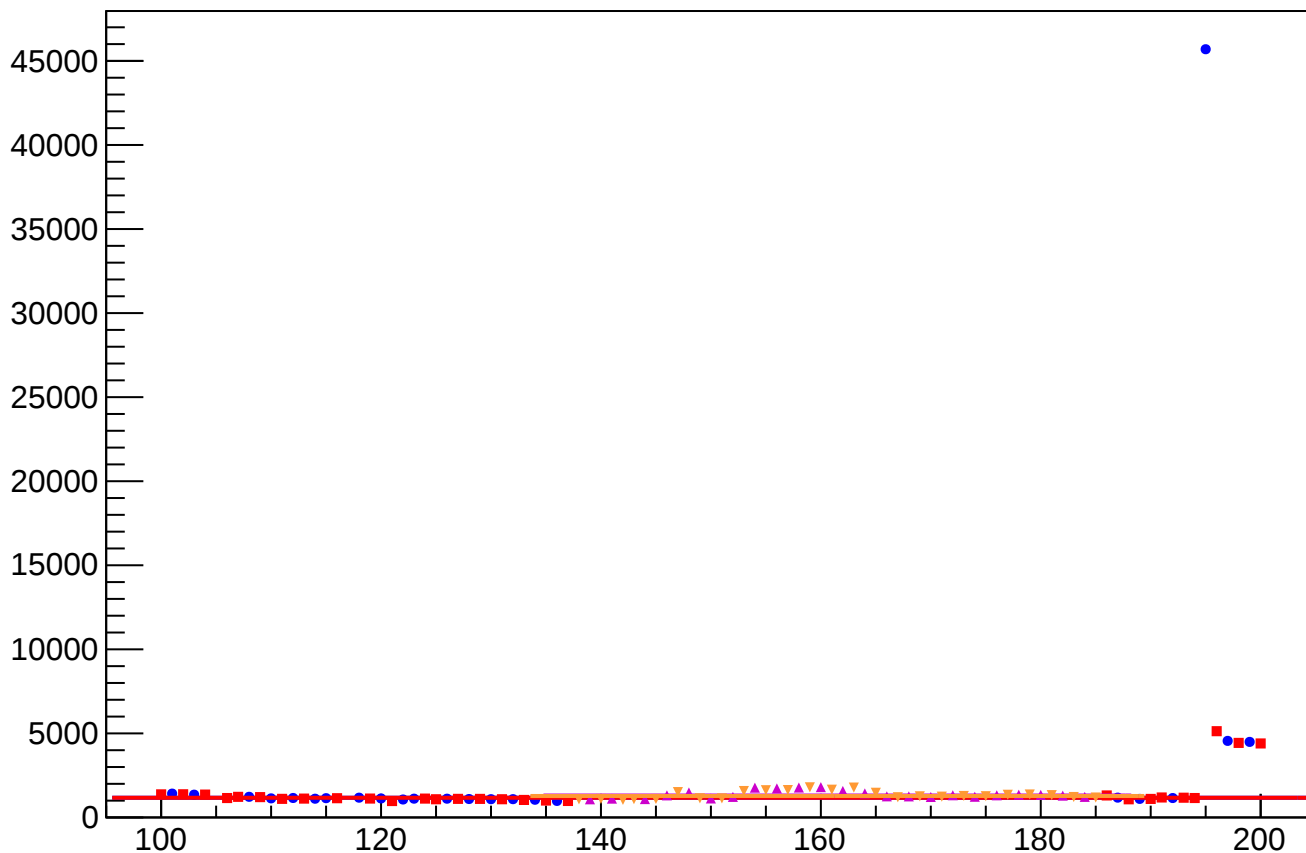
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.389 ± 0.240 χ^2/NDF : 595.8/47

All: -1.577 ± 0.168 χ^2/NDF : 2043.2/98

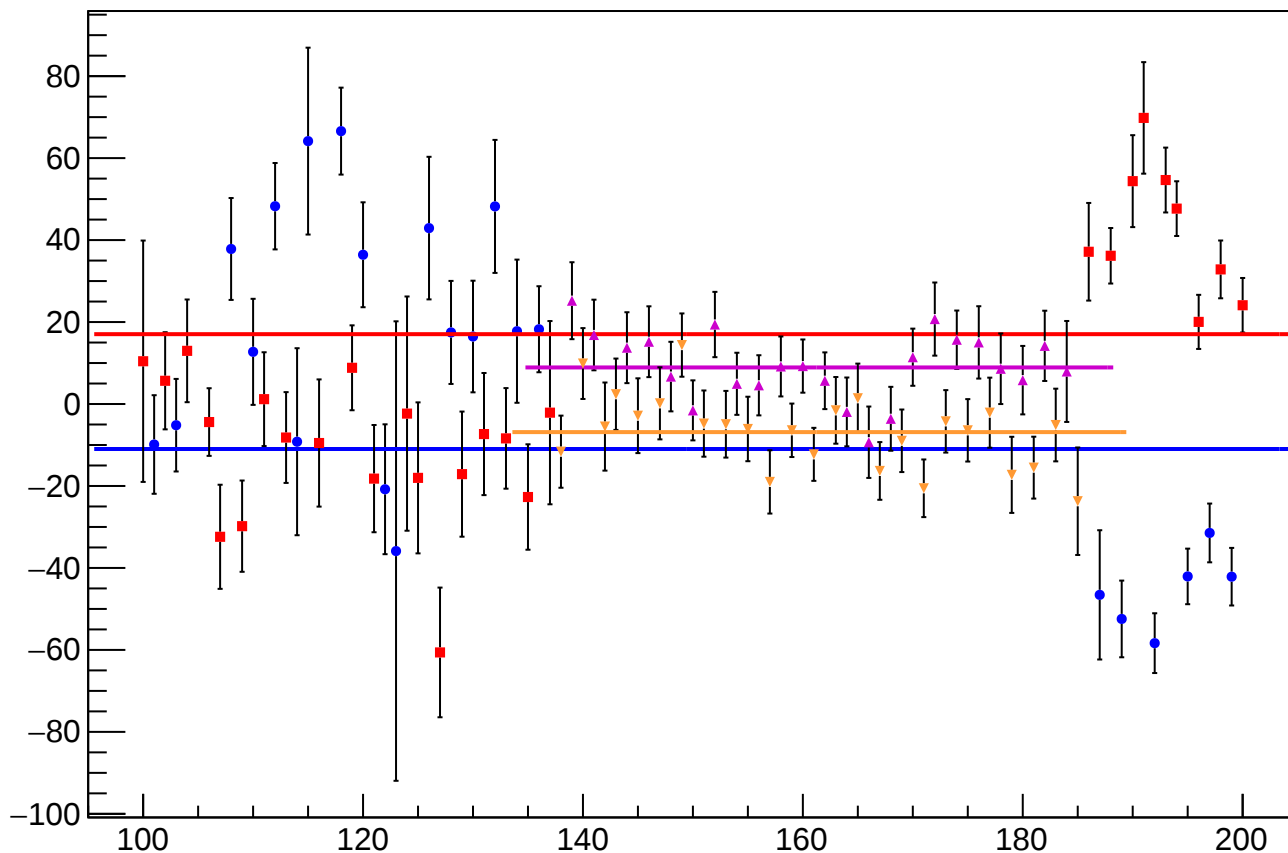
- sign -1.759 ± 0.236 χ^2/NDF : 1446.2/50

diff_bpm0l09Y_rms vs Slug



Right In: 1171.727+/-0.278	χ^2/NDF : 3382374.4/22	+ sign 1238.406+/-0.169	χ^2/NDF : 4352237.0/47
Left Out: 1277.916+/-0.214	χ^2/NDF : 878127.9/24	All: 1241.718+/-0.119	χ^2/NDF : 7714380.4/98
Right Out: 1171.182+/-0.248	χ^2/NDF : 2440005.1/27	- sign 1244.922+/-0.167	χ^2/NDF : 3361391.9/50
Left In: 1305.541+/-0.225	χ^2/NDF : 760450.8/22		

diff_bpm0l10X_mean vs Slug



Right In: -10.977 ± 2.317 χ^2/NDF : 287.6/22

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

Right Out: 17.043 ± 1.974 χ^2/NDF : 196.0/27

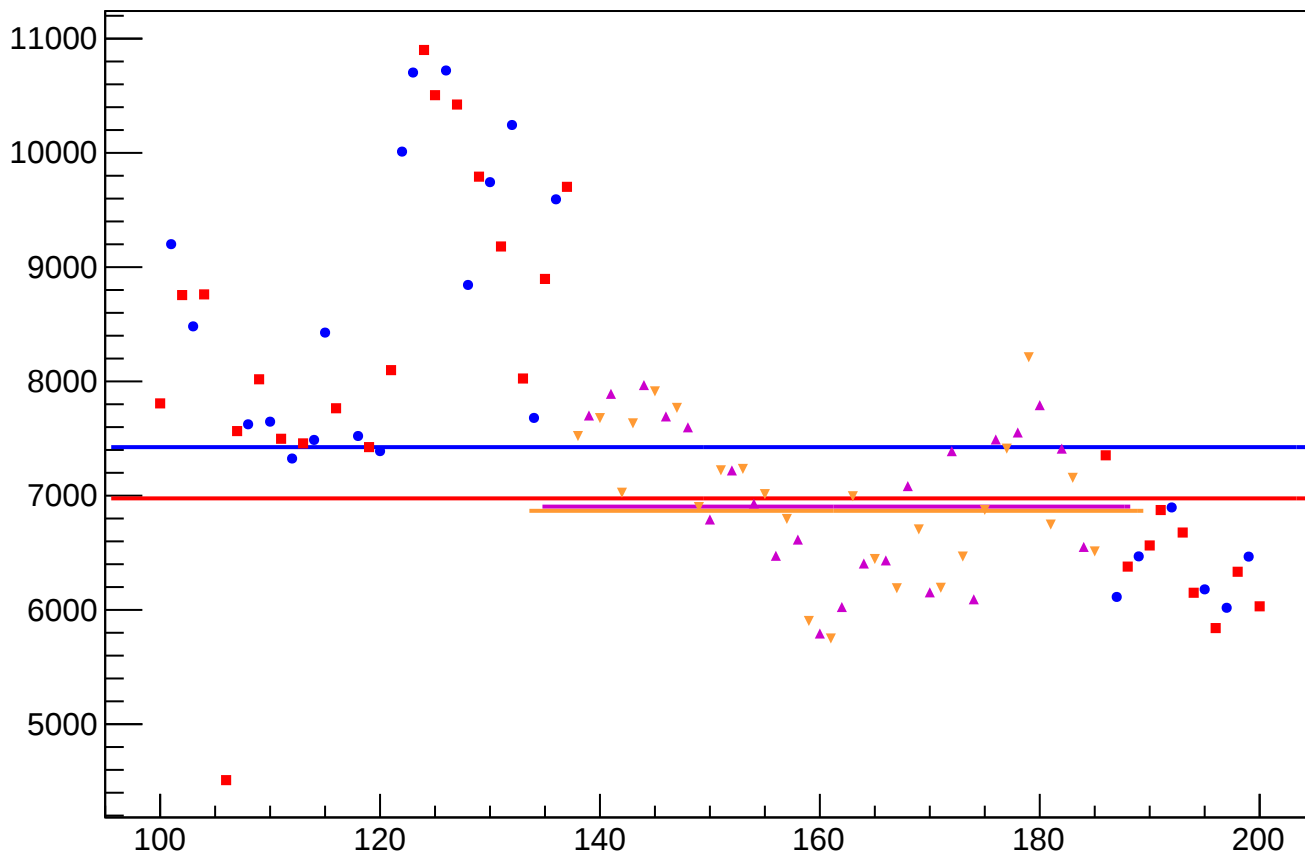
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -8.203 ± 1.325 χ^2/NDF : 318.4/47

All: 2.440 ± 0.920 χ^2/NDF : 670.4/98

- sign 12.320 ± 1.277 χ^2/NDF : 227.6/50

diff_bpm0l10X_rms vs Slug



Right In: 7424.734 $\pm$ 1.639 χ^2 /NDF: 654903.7/22

Left Out: 6867.371 $\pm$ 1.142 χ^2 /NDF: 306895.0/24

Right Out: 6976.201 $\pm$ 1.396 χ^2 /NDF: 896013.4/27

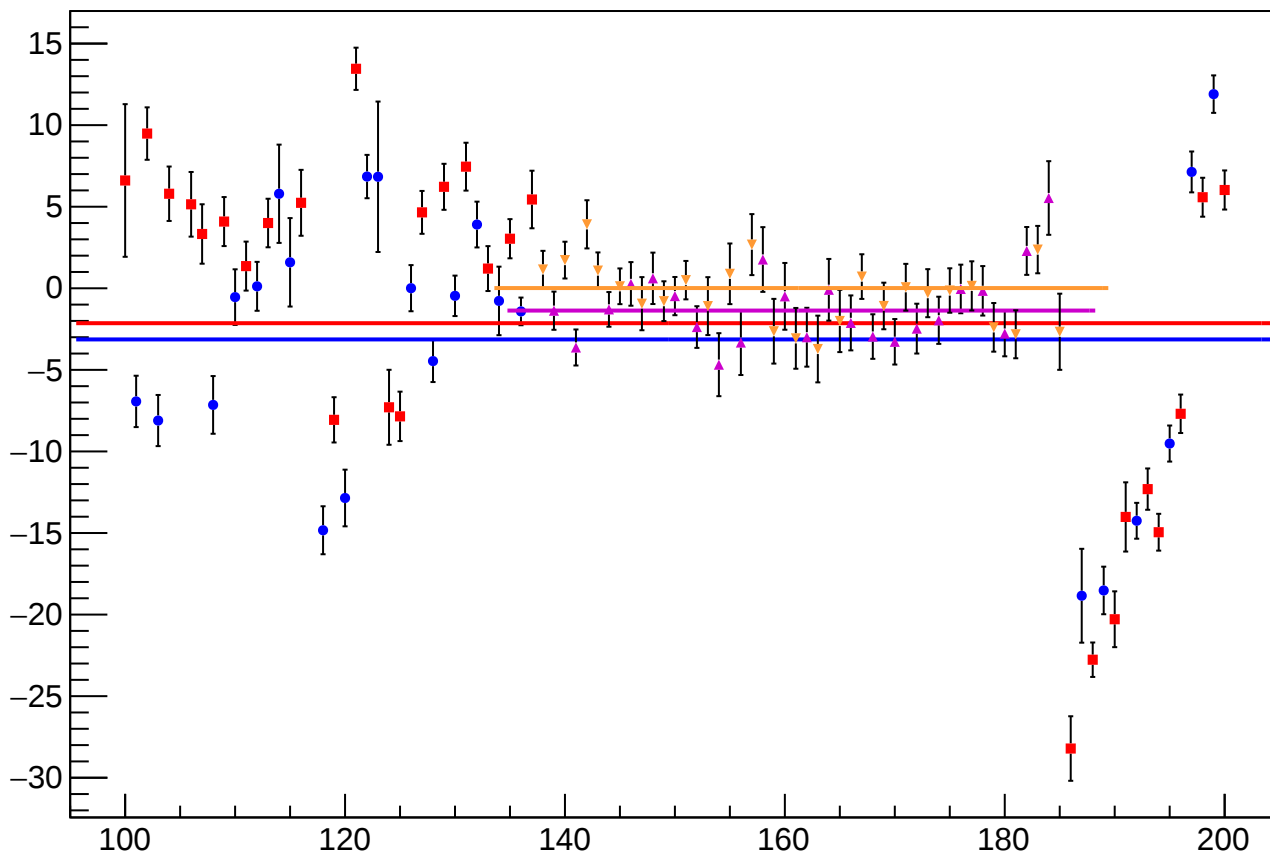
Left In: 6904.117 $\pm$ 1.184 χ^2 /NDF: 325912.6/22

+ sign 7049.665 $\pm$ 0.937 χ^2 /NDF: 1039657.5/47

All: 6989.827 $\pm$ 0.650 χ^2 /NDF: 2270997.2/98

- sign 6934.274 $\pm$ 0.903 χ^2 /NDF: 1223476.9/50

diff_bpm0l10Y_mean vs Slug



Right In: -3.134 ± 0.300 $\chi^2/\text{NDF}: 752.2/22$

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

Right Out: -2.139 ± 0.277 $\chi^2/\text{NDF}: 1487.6/27$

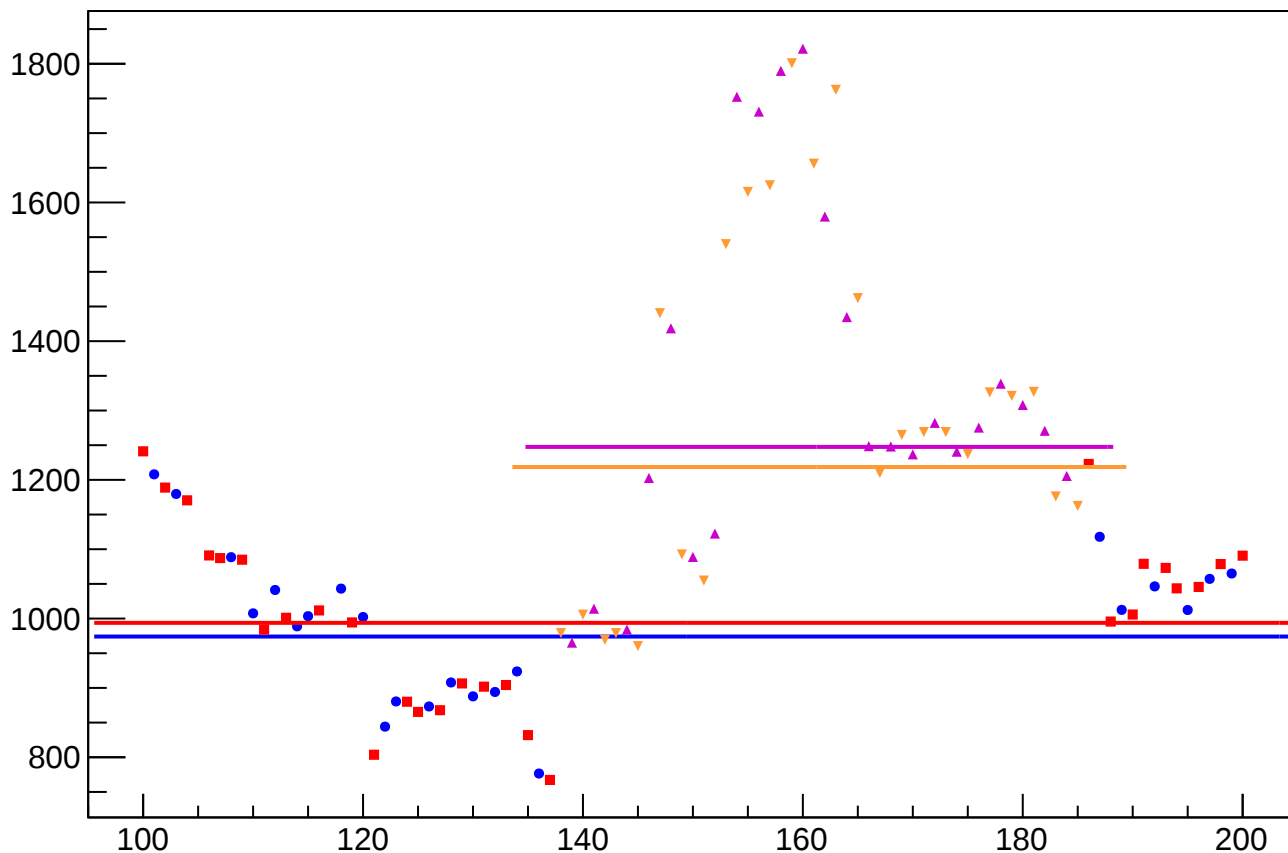
Left In: -1.365 ± 0.306 $\chi^2/\text{NDF}: 38.5/22$

+ sign -1.505 ± 0.209 $\chi^2/\text{NDF}: 844.1/47$

All: -1.650 ± 0.146 $\chi^2/\text{NDF}: 2374.7/98$

- sign -1.790 ± 0.205 $\chi^2/\text{NDF}: 1529.6/50$

diff_bpm0l10Y_rms vs Slug



Right In: 974.074 $\pm$ 0.212 χ^2 /NDF: 297071.8/22

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

Right Out: 993.842 $\pm$ 0.196 χ^2 /NDF: 318307.6/27

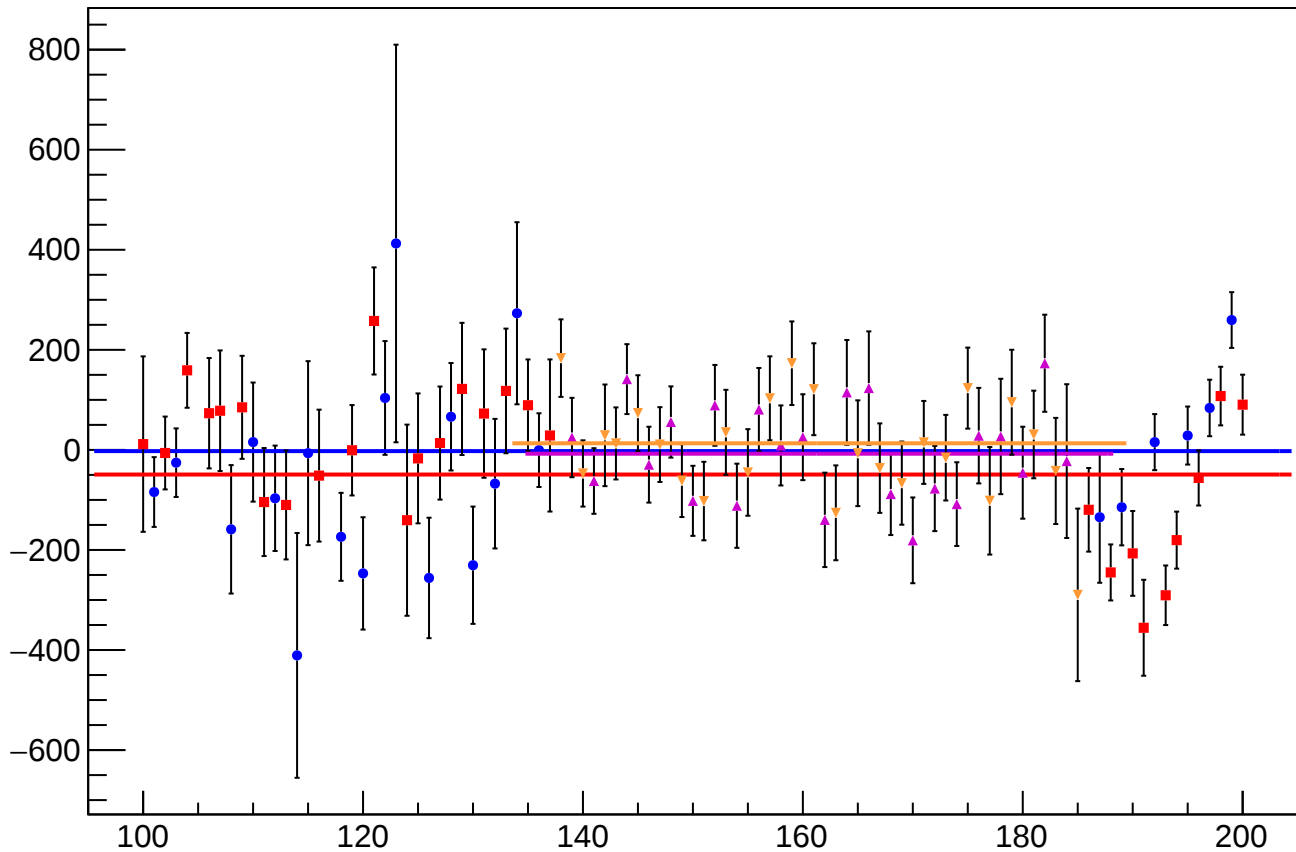
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1100.599 $\pm$ 0.147 χ^2 /NDF: 2248972.4/47

All: 1104.575 $\pm$ 0.103 χ^2 /NDF: 4398386.0/98

- sign 1108.426 $\pm$ 0.145 χ^2 /NDF: 2147983.2/50

diff_bpm0r03X_mean vs Slug



Right In: -2.429 ± 18.371 χ^2/NDF : 56.3/22

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

Right Out: -49.265 ± 16.238 χ^2/NDF : 89.8/27

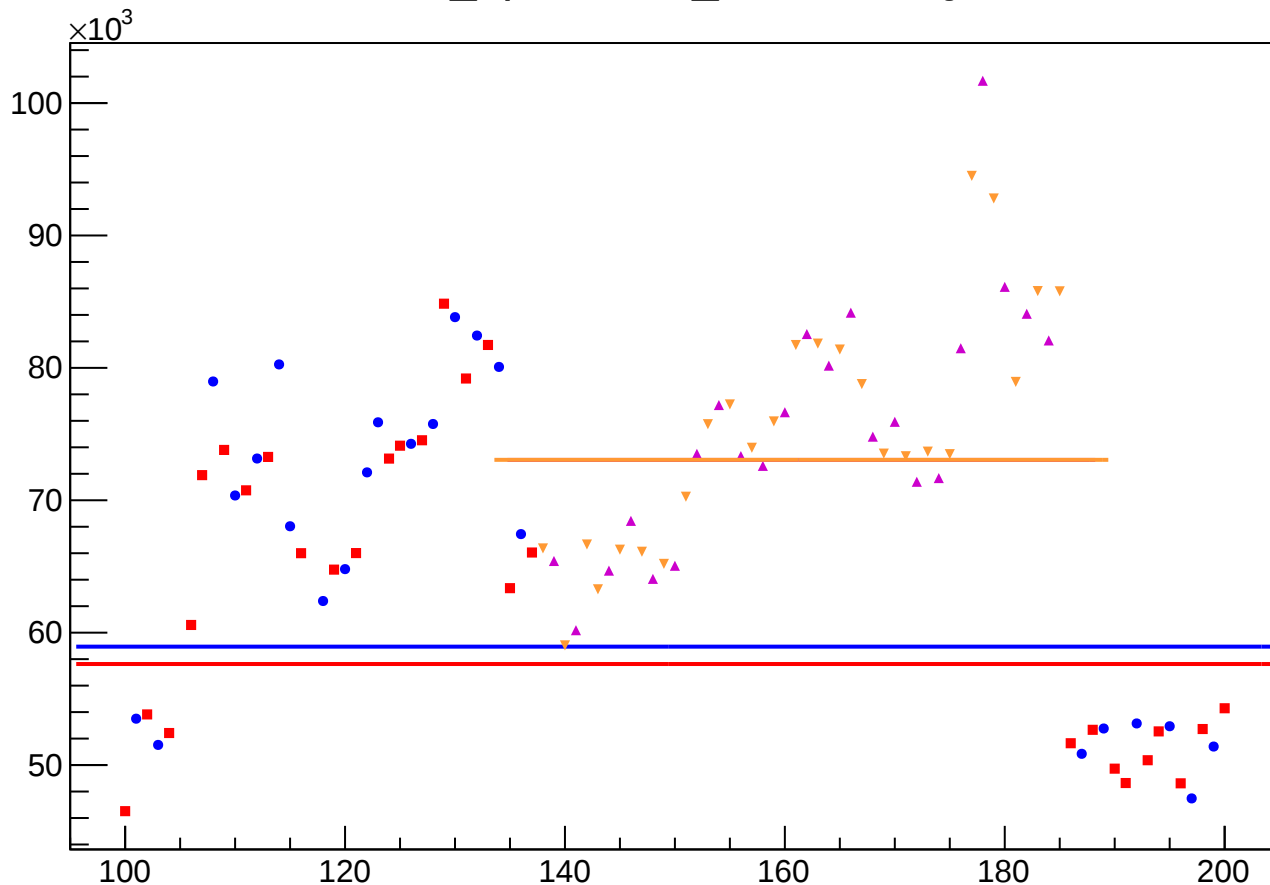
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign 5.927 ± 12.535 χ^2/NDF : 83.4/47

All: -12.988 ± 8.652 χ^2/NDF : 208.7/98

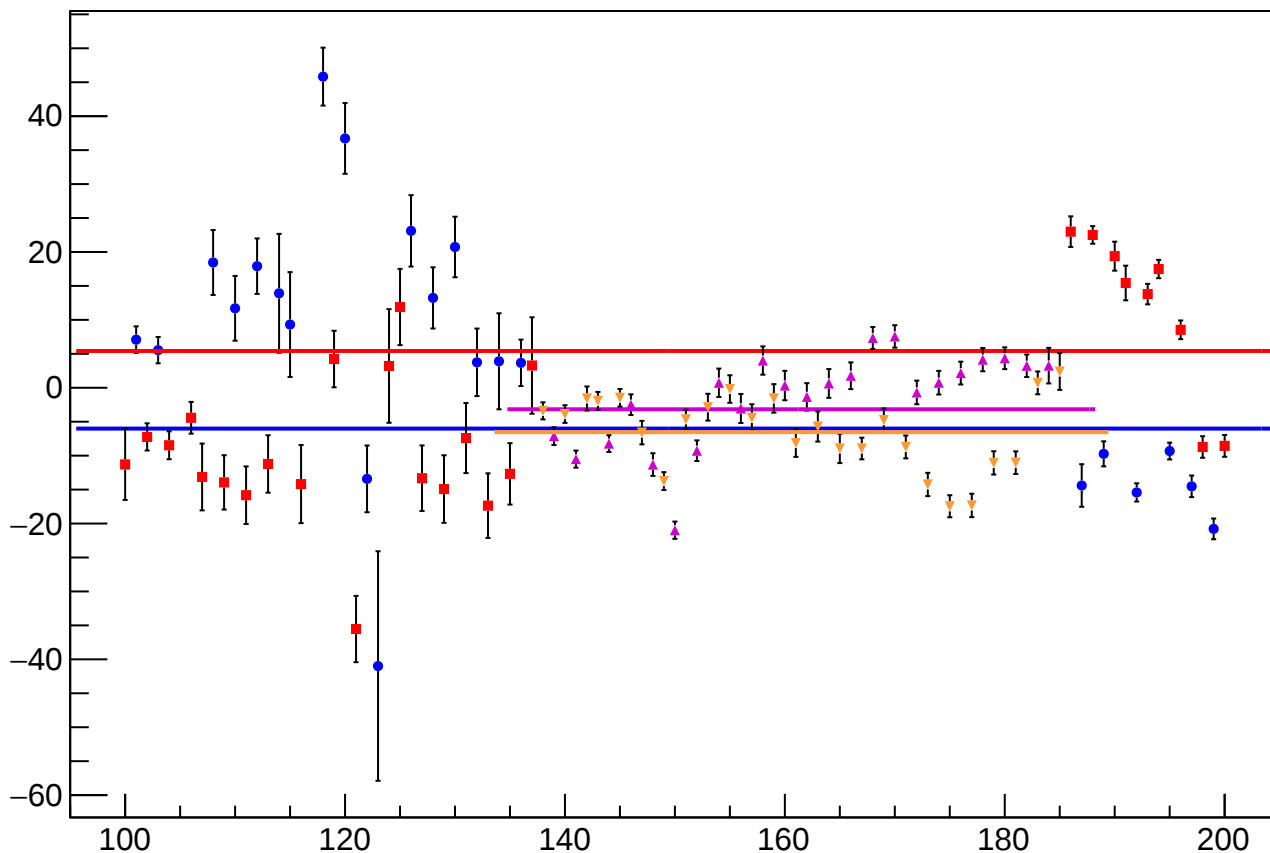
- sign -30.199 ± 11.957 χ^2/NDF : 120.9/50

diff_bpm0r03X_rms vs Slug



Right In: 58944.279 $\pm$ 12.990	χ^2 /NDF: 671968.9/22	+ sign 66485.300 $\pm$ 8.863	χ^2 /NDF: 1775589.8/47
Left Out: 73054.401 $\pm$ 12.124	χ^2 /NDF: 473050.9/24	All: 65544.298 $\pm$ 6.118	χ^2 /NDF: 3792189.1/9
Right Out: 57631.834 $\pm$ 11.482	χ^2 /NDF: 706542.9/27	- sign 64688.092 $\pm$ 8.455	χ^2 /NDF: 1995072.2/50
Left In: 73045.500 $\pm$ 12.496	χ^2 /NDF: 463525.5/22		

diff_bpm0r03Y_mean vs Slug



Right In: -6.013 ± 0.531 χ^2/NDF : 673.6/22

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

Right Out: 5.420 ± 0.457 χ^2/NDF : 916.2/27

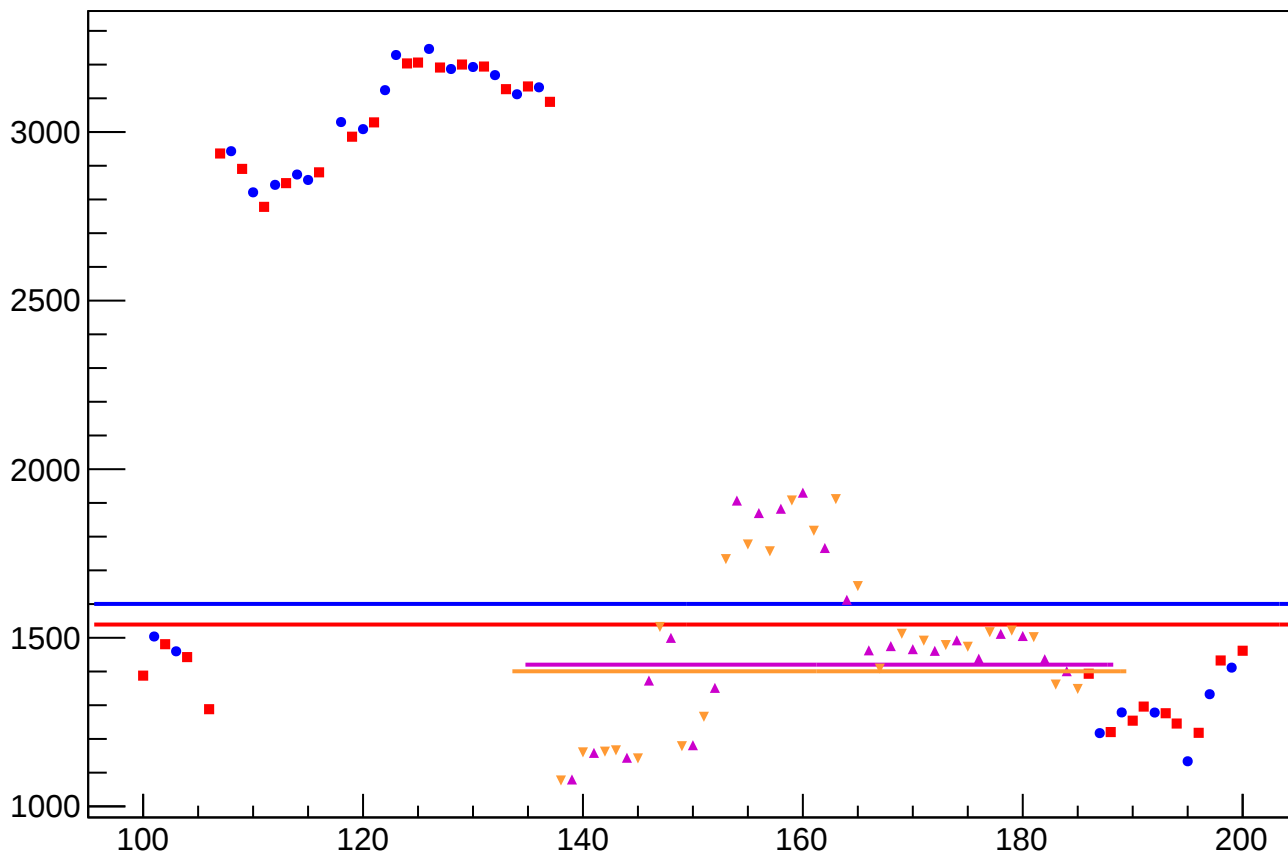
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

+ sign -6.390 ± 0.281 χ^2/NDF : 927.0/47

All: -3.150 ± 0.197 χ^2/NDF : 2815.3/98

- sign -0.032 ± 0.276 χ^2/NDF : 1628.1/50

diff_bpm0r03Y_rms vs Slug



Right In: 1600.440+/-0.375 χ^2/NDF : 3133868.7/22

Left Out: 1400.637+/-0.235 χ^2/NDF : 1037921.6/24

Right Out: 1539.305+/-0.323 χ^2/NDF : 3265564.5/27

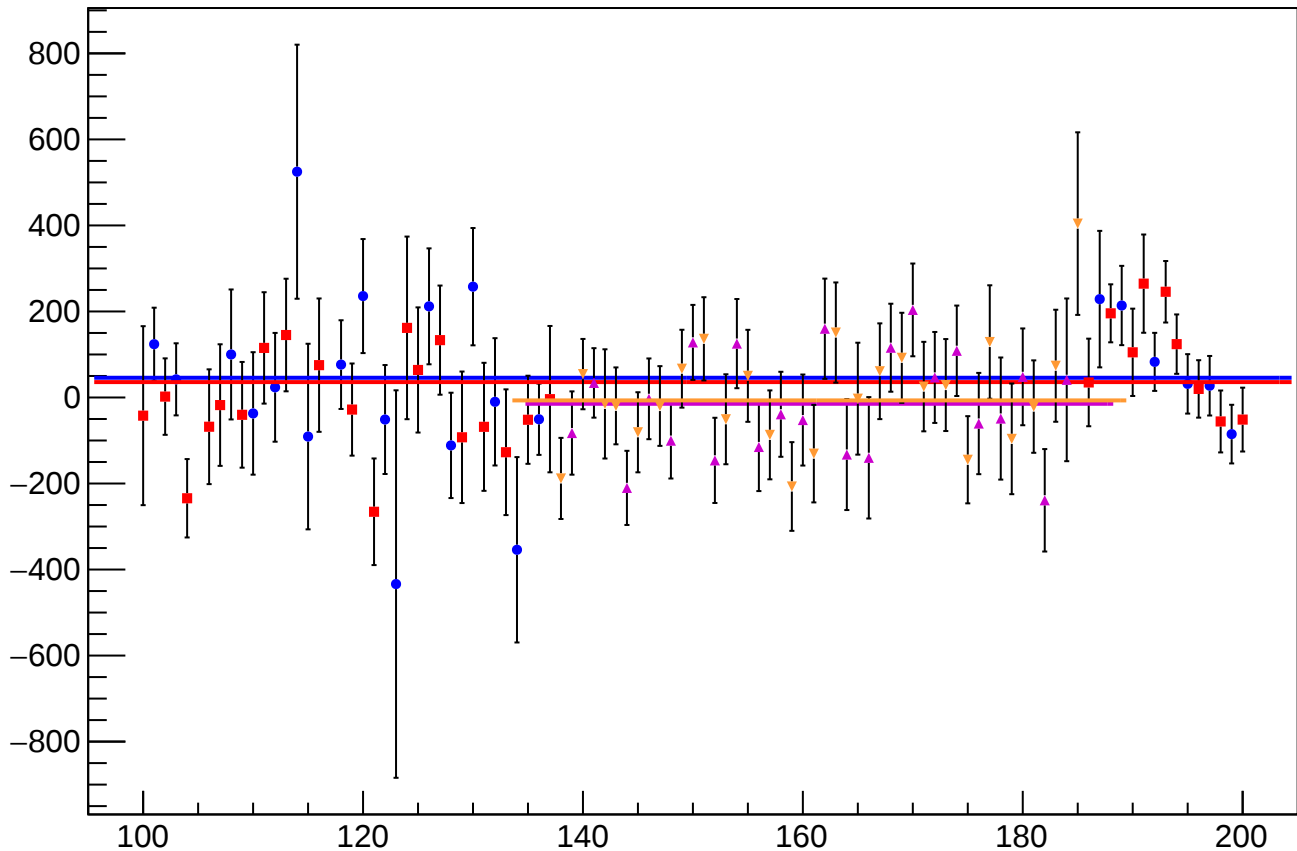
Left In: 1420.285+/-0.245 χ^2/NDF : 905186.2/22

+ sign 1456.781+/-0.199 χ^2/NDF : 4375563.9/47

All: 1460.343+/-0.139 χ^2/NDF : 8633181.6/98

- sign 1463.770+/-0.195 χ^2/NDF : 4256988.8/50

diff_bpm0r05X_mean vs Slug



Right In: 45.856+/-21.888 χ^2/NDF : 27.5/22

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

Right Out: 35.786+/-19.444 χ^2/NDF : 45.2/27

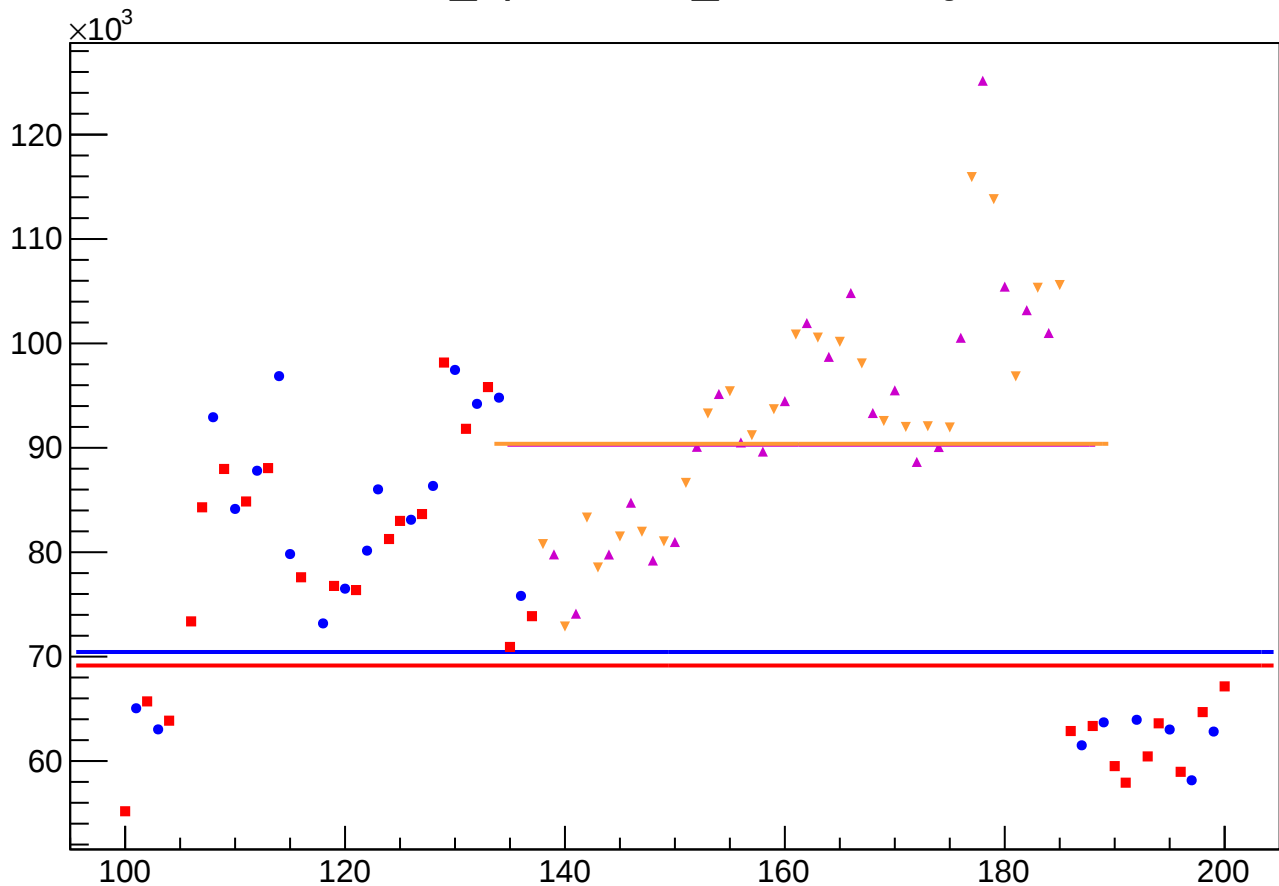
Left In: -14.611+/-21.846 χ^2/NDF : 29.8/22

+ sign 18.709+/-15.233 χ^2/NDF : 55.2/47

All: 15.986+/-10.512 χ^2/NDF : 133.3/98

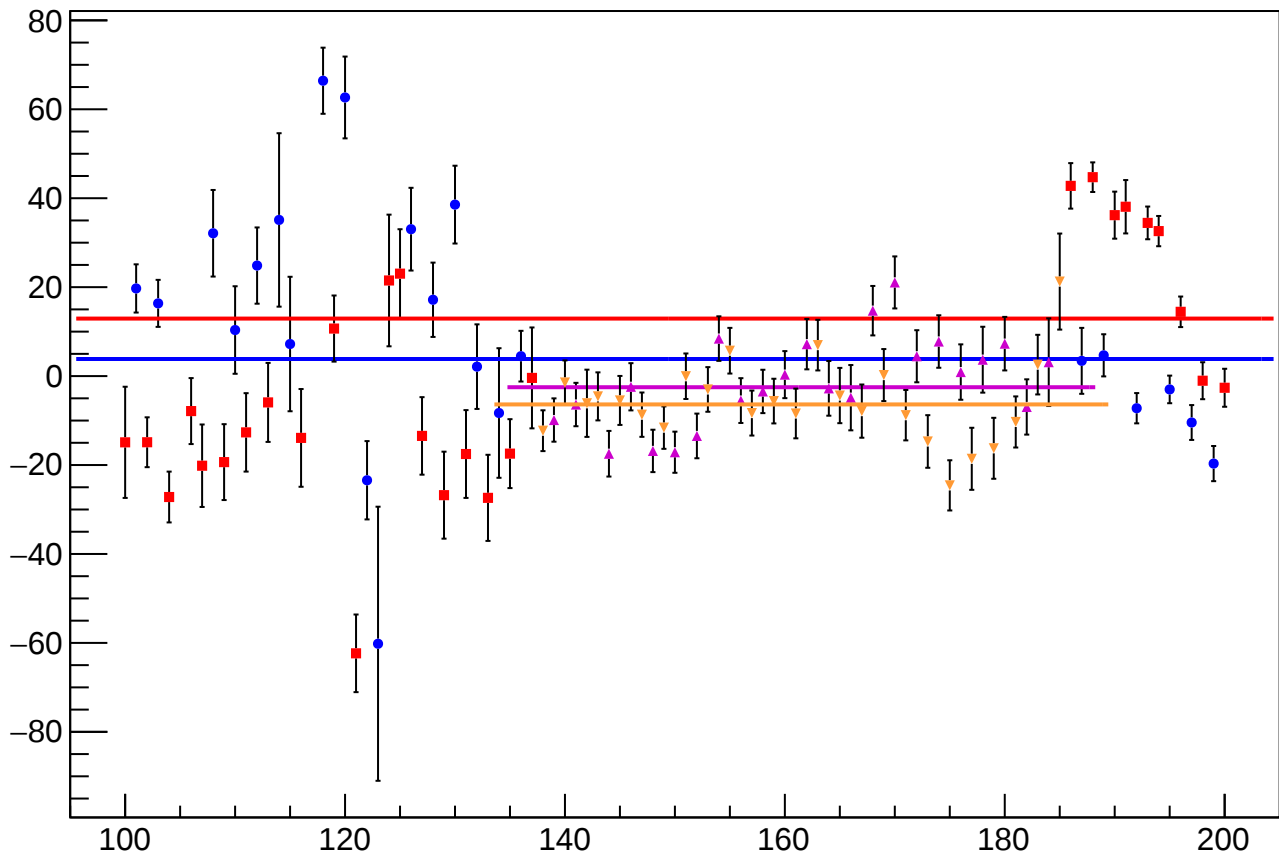
- sign 13.510+/-14.524 χ^2/NDF : 78.0/50

diff_bpm0r05X_rms vs Slug



Right In: 70443.337 $\pm$ 15.477	χ^2 /NDF: 526007.3/22	+ sign 80726.247 $\pm$ 10.771	χ^2 /NDF: 1843693.6/47
Left Out: 90384.853 $\pm$ 15.000	χ^2 /NDF: 461648.2/24	All: 79557.536 $\pm$ 7.433	χ^2 /NDF: 3953596.8/50
Right Out: 69148.460 $\pm$ 13.749	χ^2 /NDF: 580598.5/27	- sign 78495.032 $\pm$ 10.270	χ^2 /NDF: 2087427.6/50
Left In: 90293.591 $\pm$ 15.448	χ^2 /NDF: 461337.5/22		

diff_bpm0r05Y_mean vs Slug



Right In: 3.844 ± 1.267 χ^2/NDF : 250.3/22

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

Right Out: 12.934 ± 1.111 χ^2/NDF : 532.2/27

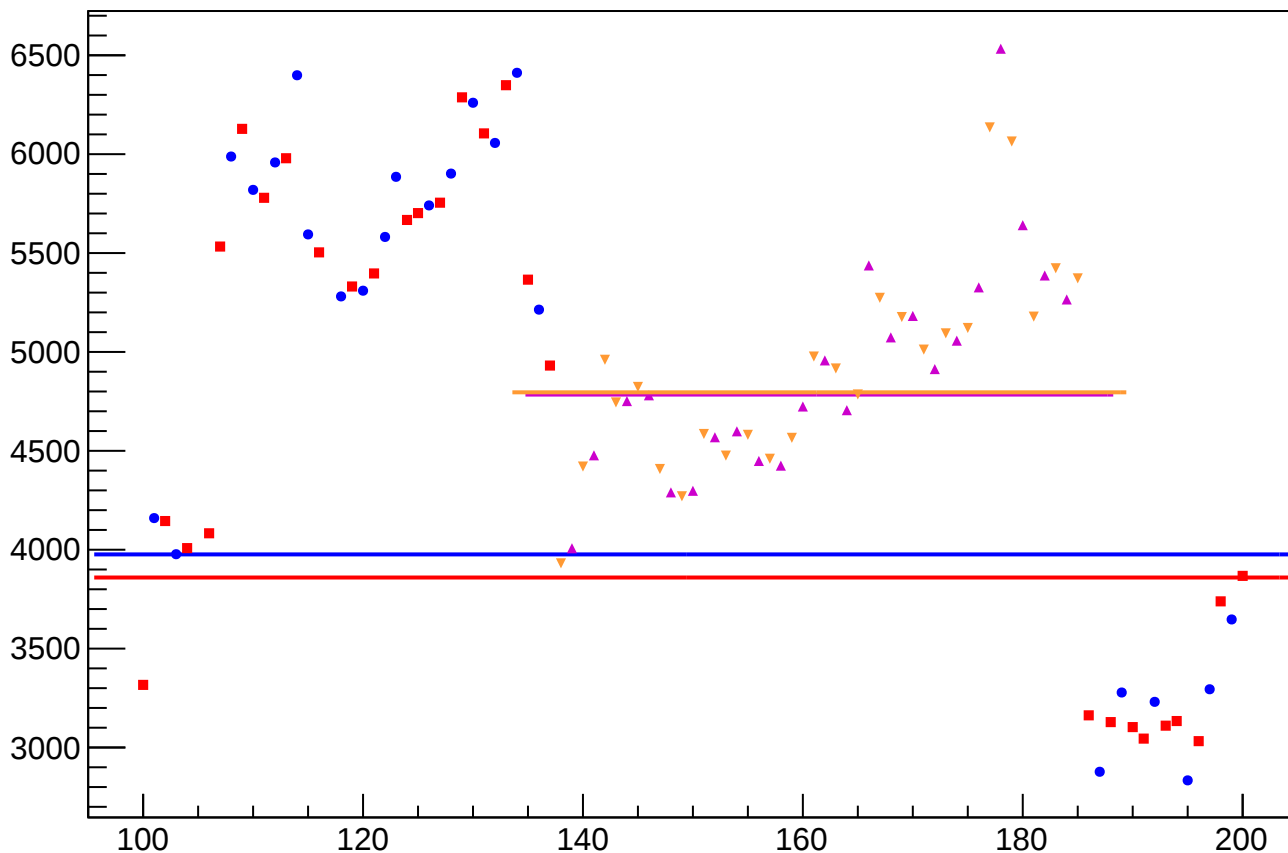
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -1.874 ± 0.841 χ^2/NDF : 332.1/47

All: 2.005 ± 0.580 χ^2/NDF : 1076.0/98

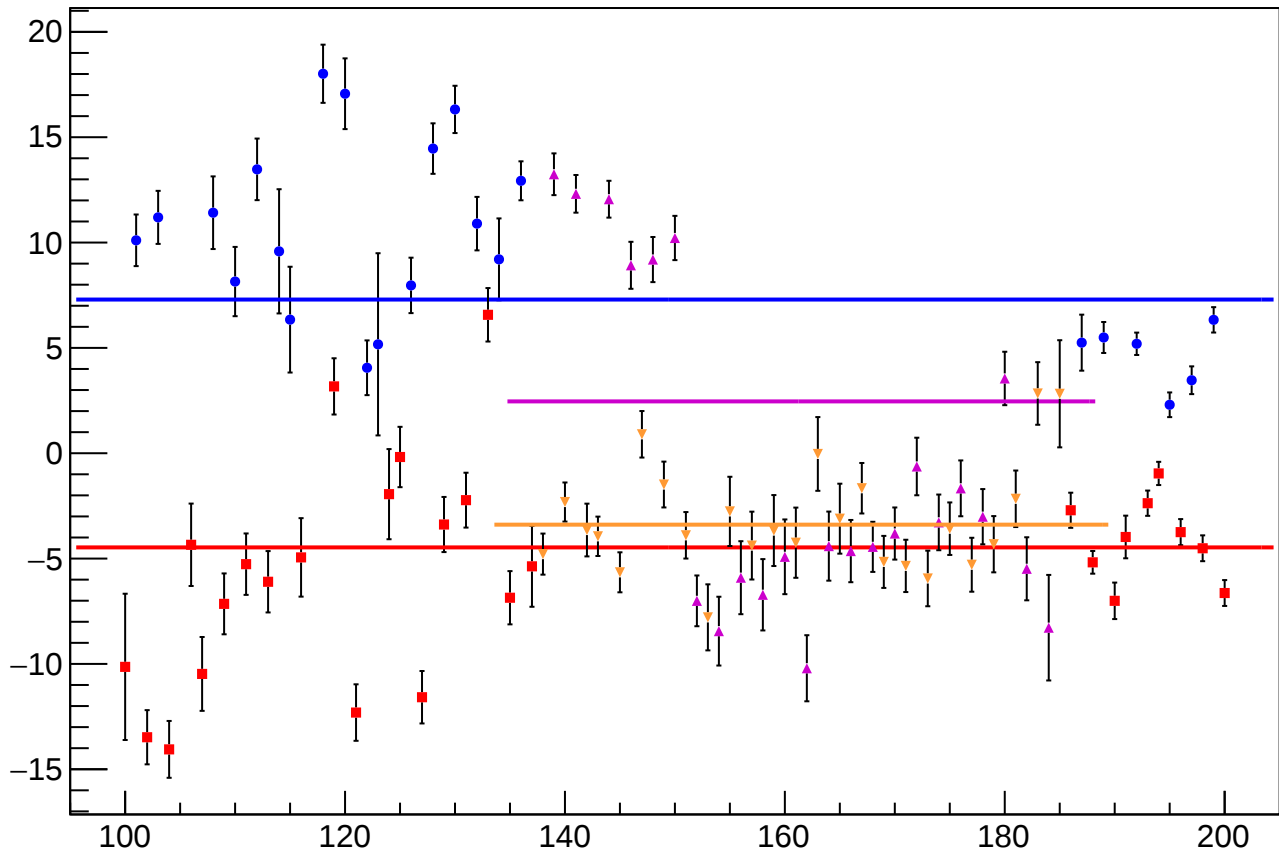
- sign 5.524 ± 0.801 χ^2/NDF : 703.3/50

diff_bpm0r05Y_rms vs Slug



Right In: 3976.325+/-0.896	χ^2/NDF : 1585063.9/22	+ sign 4435.131+/-0.595	χ^2/NDF : 2414398.1/47
Left Out: 4795.847+/-0.795	χ^2/NDF : 361249.7/24	All: 4366.123+/-0.410	χ^2/NDF : 5223480.4/98
Right Out: 3859.481+/-0.785	χ^2/NDF : 1760065.6/27	- sign 4303.525+/-0.566	χ^2/NDF : 2783395.6/50
Left In: 4784.434+/-0.817	χ^2/NDF : 357507.2/22		

diff_bpm2i01X_mean vs Slug



Right In: 7.295 ± 0.212 χ^2/NDF : 419.9/22

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

Right Out: -4.470 ± 0.183 χ^2/NDF : 393.8/27

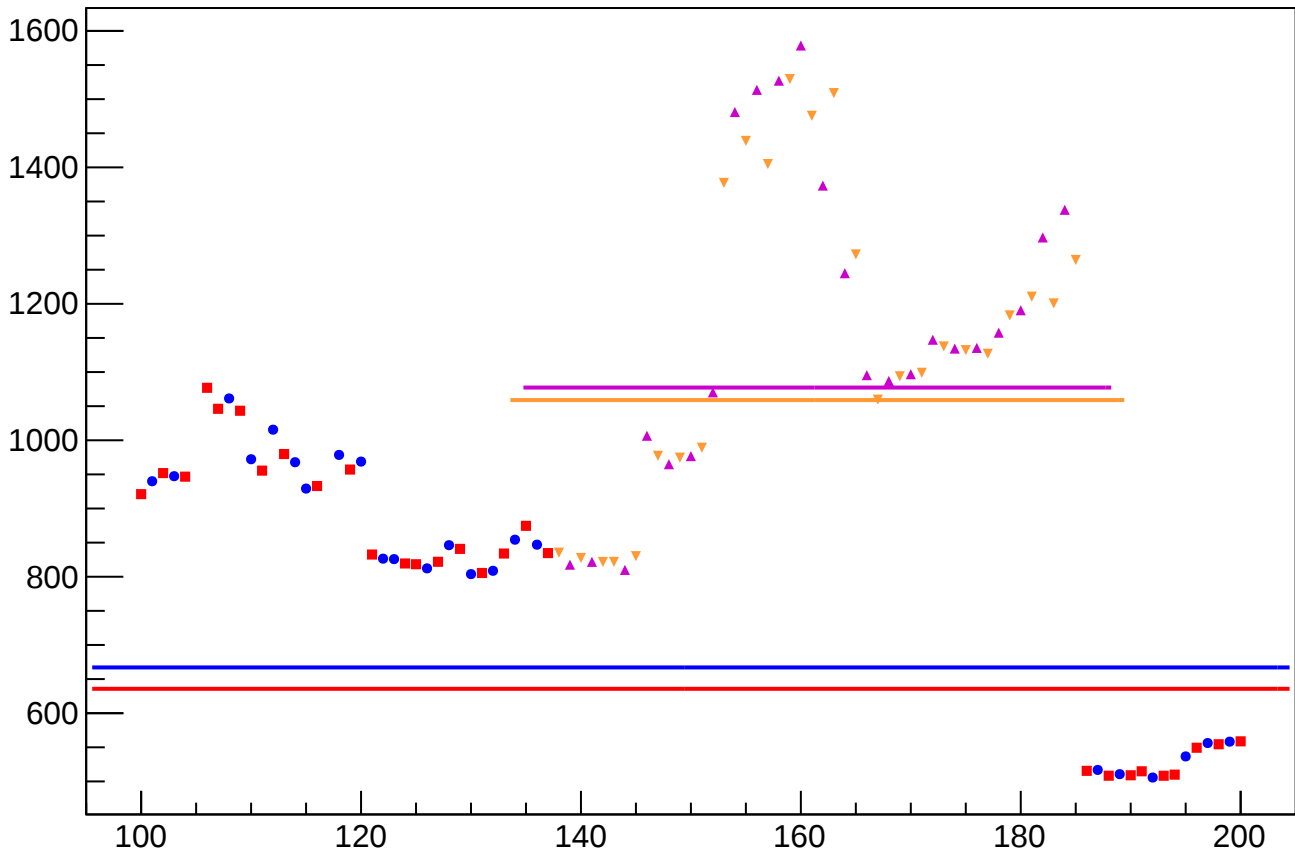
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.881 ± 0.162 χ^2/NDF : 1550.7/47

All: 0.137 ± 0.110 χ^2/NDF : 3870.6/98

- sign -2.226 ± 0.150 χ^2/NDF : 1786.5/50

diff_bpm2i01X_rms vs Slug



Right In: 667.074+/-0.150 χ^2/NDF : 1467172.2/22

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

Right Out: 635.762+/-0.129 χ^2/NDF : 1870752.4/27

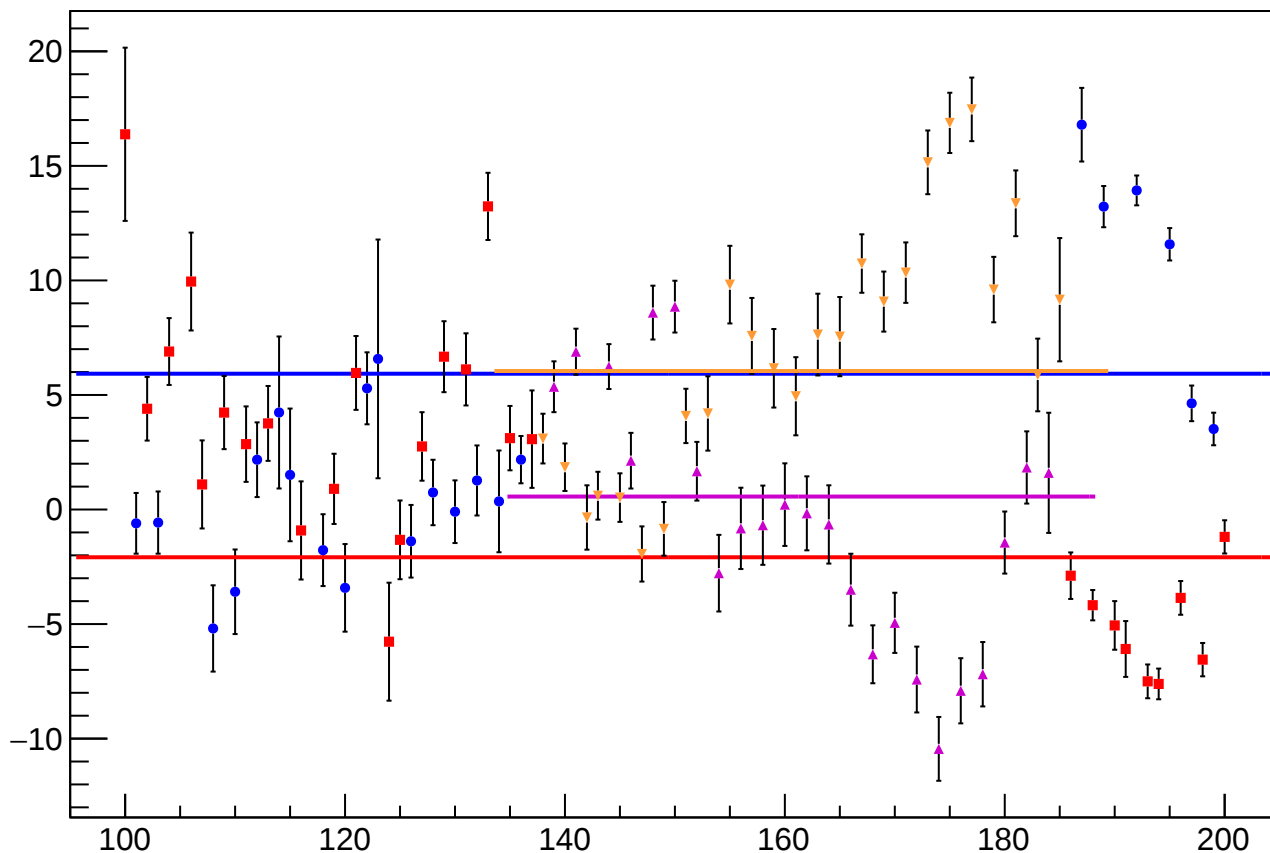
Left In: 1077.284+/-0.187 χ^2/NDF : 1280349.9/22

+ sign 828.935+/-0.115 χ^2/NDF : 5703308.3/47

All: 801.945+/-0.078 χ^2/NDF : 12730035.0/98

- sign 778.710+/-0.106 χ^2/NDF : 6923578.5/50

diff_bpm2i01Y_mean vs Slug



Right In: 5.928 ± 0.250 $\chi^2/\text{NDF}: 588.0/22$

Left Out: 6.045 ± 0.272 $\chi^2/\text{NDF}: 430.8/24$

Right Out: -2.084 ± 0.217 $\chi^2/\text{NDF}: 581.3/27$

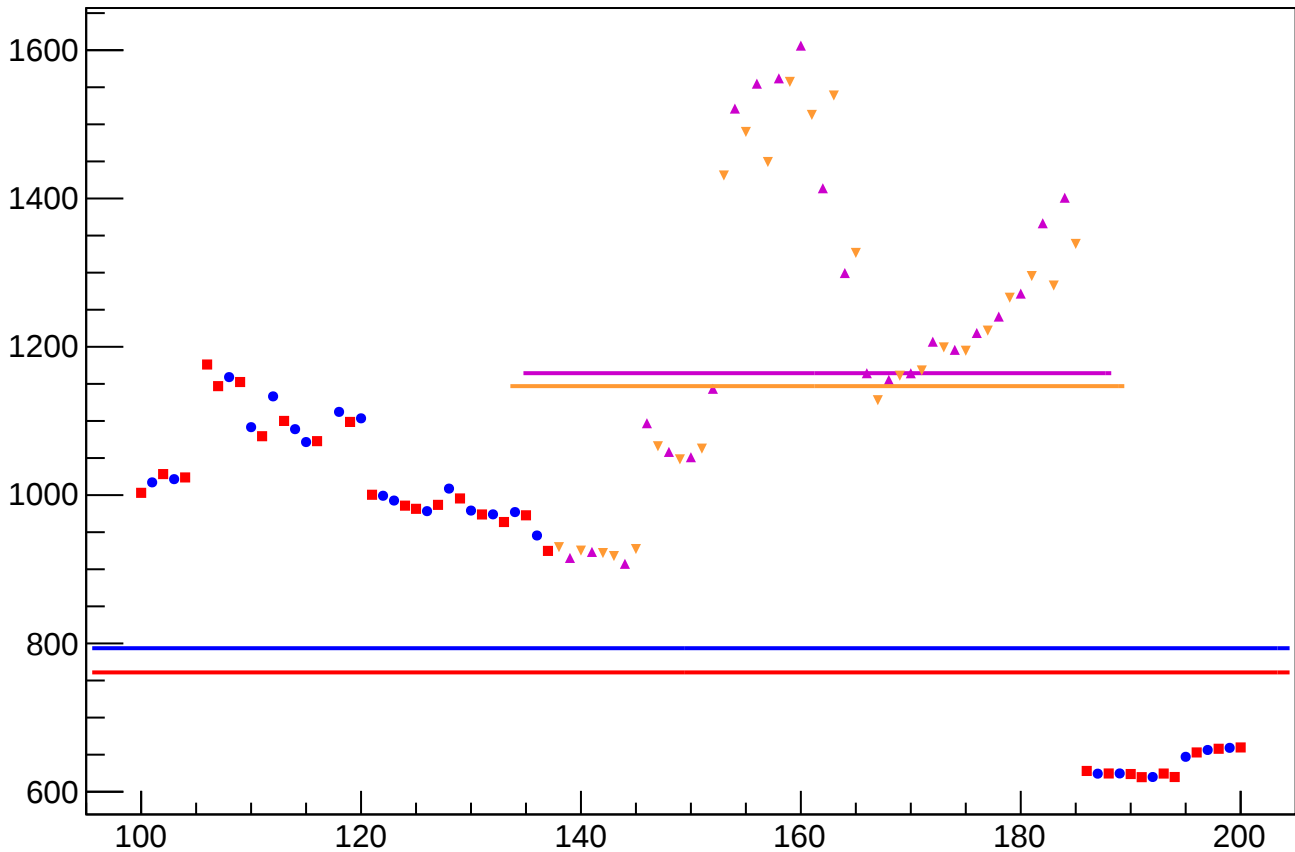
Left In: 0.566 ± 0.284 $\chi^2/\text{NDF}: 417.0/22$

+ sign 5.982 ± 0.184 $\chi^2/\text{NDF}: 1018.9/47$

All: 2.212 ± 0.126 $\chi^2/\text{NDF}: 2861.5/98$

- sign -1.106 ± 0.173 $\chi^2/\text{NDF}: 1053.1/50$

diff_bpm2i01Y_rms vs Slug



Right In: 793.559 $\pm$ 0.177 χ^2 /NDF: 1183034.5/22

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

Right Out: 760.920 $\pm$ 0.154 χ^2 /NDF: 1498912.6/27

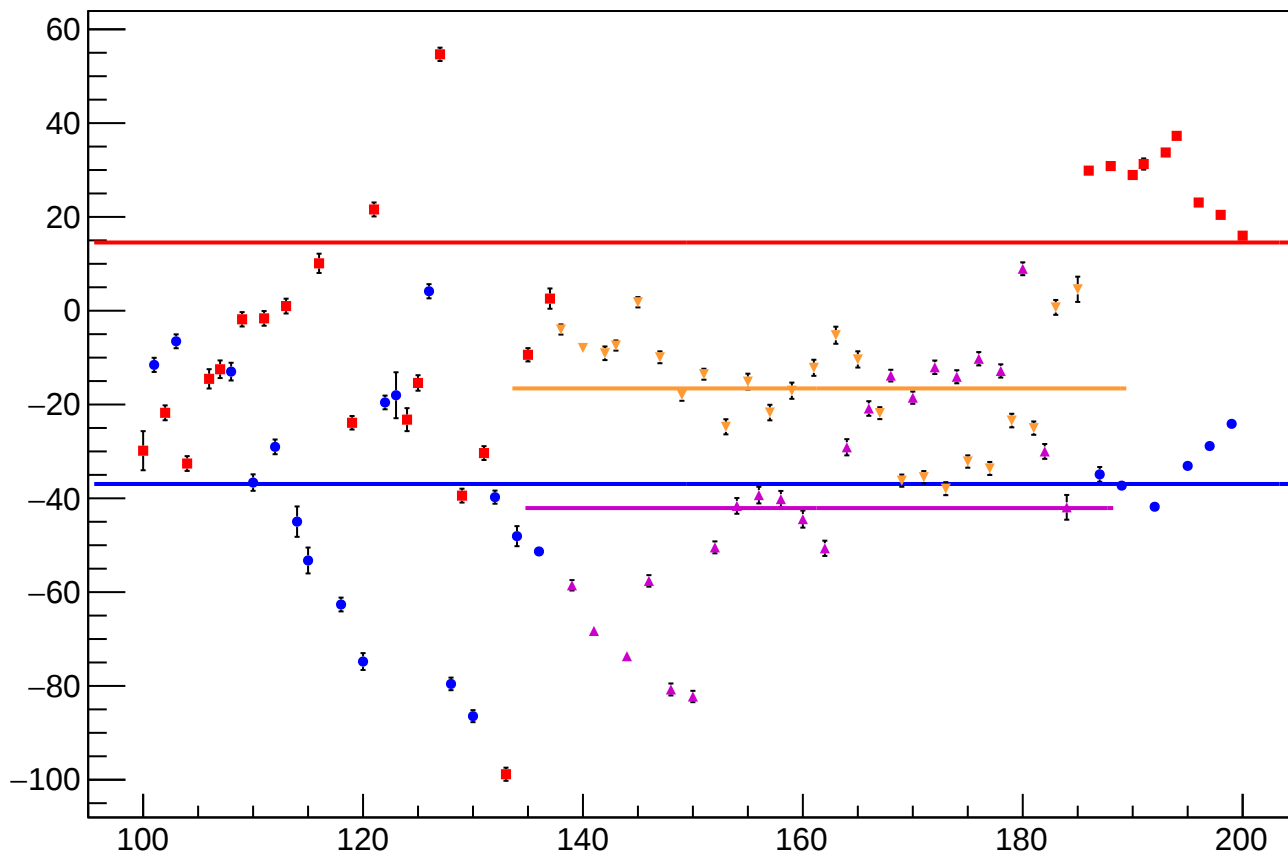
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF:944112.0/22

+ sign 955.593 $\pm$ 0.130 χ^2 /NDF: 4061435.3/47

All: 931.260 $\pm$ 0.089 χ^2 /NDF: 9115482.6/98

- sign 909.837 $\pm$ 0.122 χ^2 /NDF: 4988245.4/50

diff_bpm2i02X_mean vs Slug



Right In: -36.940 ± 0.246 $\chi^2/\text{NDF}: 5806.7/22$

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

Right Out: 14.548 ± 0.213 $\chi^2/\text{NDF}: 16878.9/27$

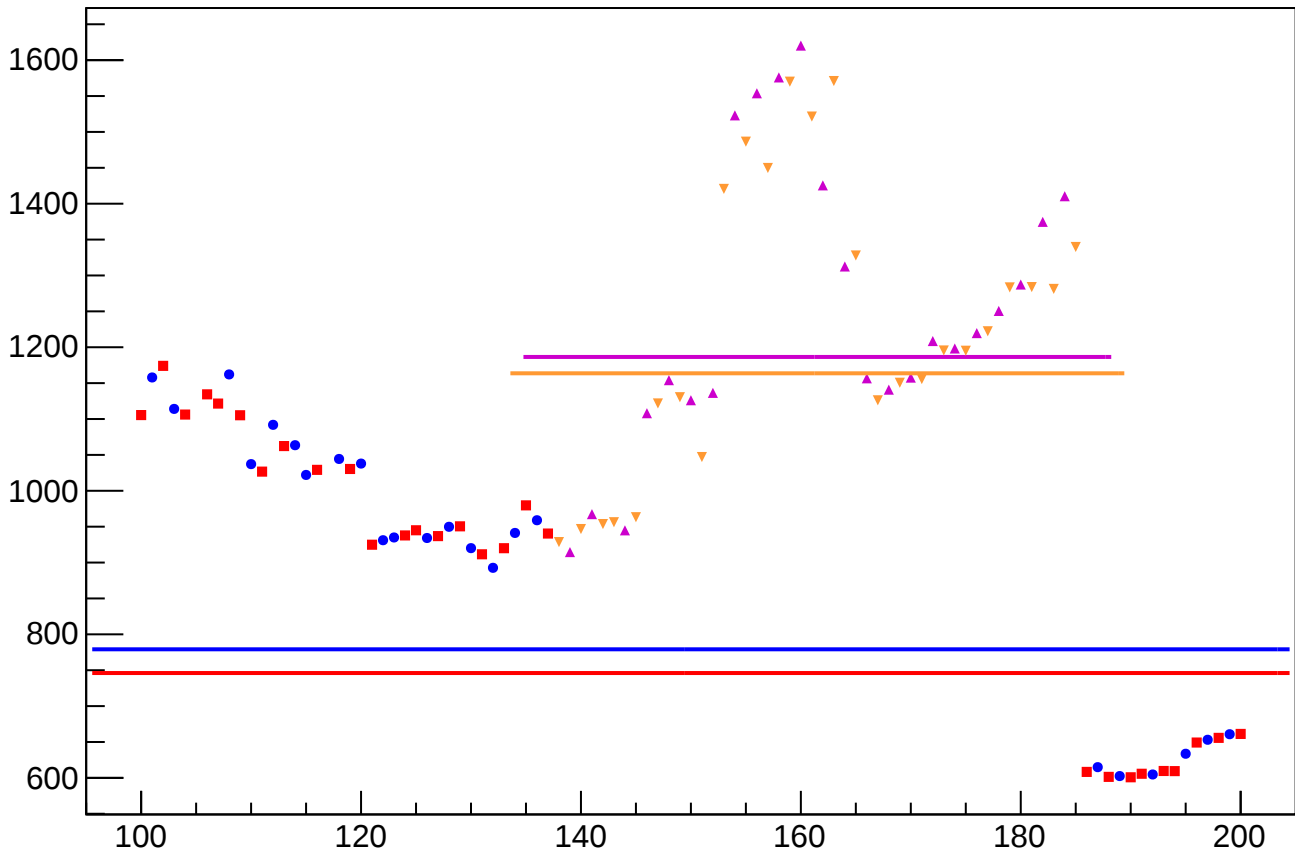
Left In: -42.077 ± 0.289 $\chi^2/\text{NDF}: 8332.3/22$

+ sign -27.912 ± 0.183 $\chi^2/\text{NDF}: 10788.5/47$

All: -15.909 ± 0.125 $\chi^2/\text{NDF}: 68909.3/98$

- sign -5.389 ± 0.172 $\chi^2/\text{NDF}: 50068.4/50$

diff_bpm2i02X_rms vs Slug



Right In: 779.136 $\pm$ 0.174 χ^2 /NDF: 1206940.1/22

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

Right Out: 746.078 $\pm$ 0.151 χ^2 /NDF: 1519691.8/27

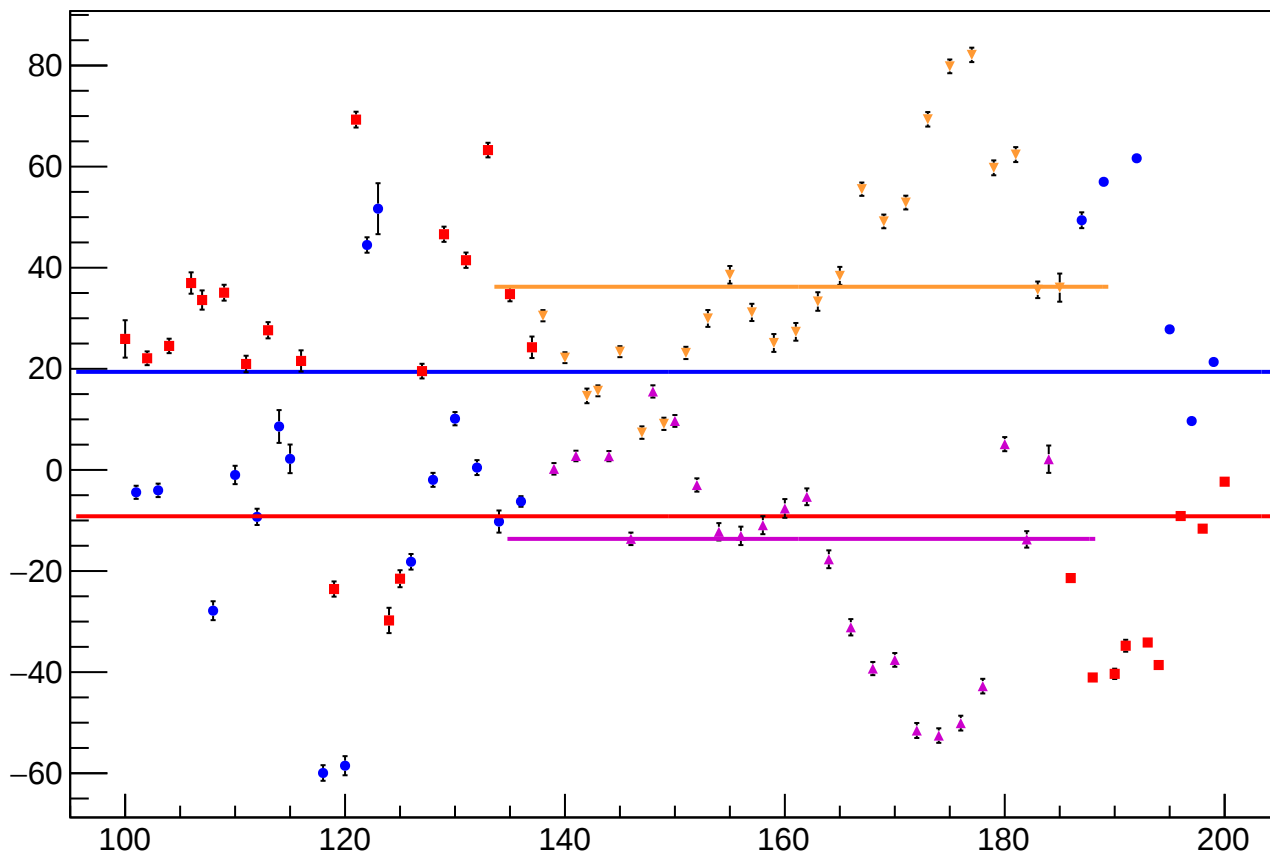
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF: 833420.3/22

+ sign 949.544 $\pm$ 0.130 χ^2 /NDF: 4316787.5/47

All: 923.745 $\pm$ 0.089 χ^2 /NDF: 9751528.7/98

- sign 901.134 $\pm$ 0.121 χ^2 /NDF: 5360345.7/50

diff_bpm2i02Y_mean vs Slug



Right In: 19.399 $\pm$ 0.243 χ^2 /NDF: 15360.5/22

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

Right Out: -9.167 $\pm$ 0.211 χ^2 /NDF: 20857.8/27

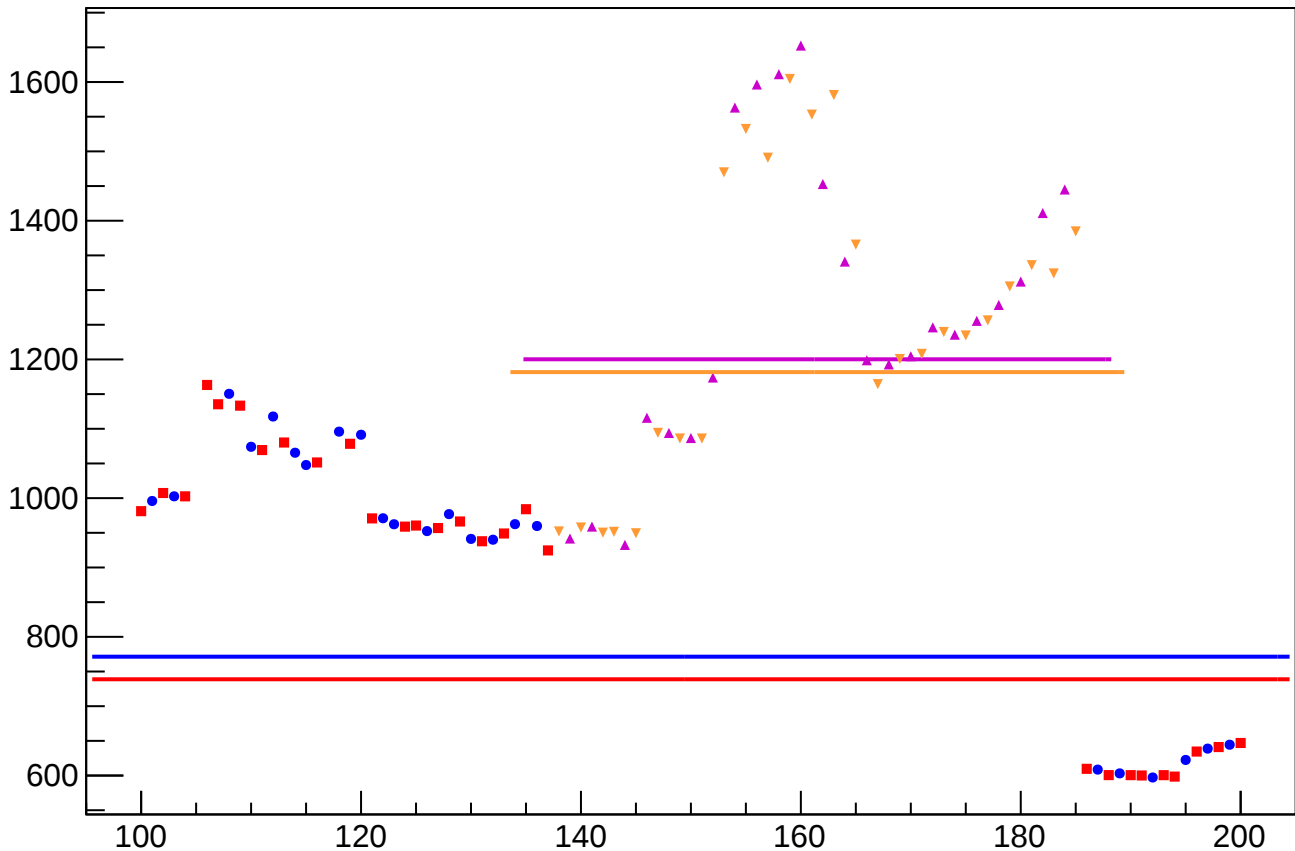
Left In: -13.640 $\pm$ 0.293 χ^2 /NDF: 5178.0/22

+ sign 26.649 $\pm$ 0.184 χ^2 /NDF: 23214.9/47

All: 6.681 $\pm$ 0.125 χ^2 /NDF: 71513.7/98

- sign -10.698 $\pm$ 0.171 χ^2 /NDF: 26189.3/50

diff_bpm2i02Y_rms vs Slug



Right In: 771.394 ± 0.172 χ^2/NDF : 1255105.7/22

Left Out: 1181.732 ± 0.198 χ^2/NDF : 1043520.8/24

Right Out: 738.814 ± 0.149 χ^2/NDF : 1581836.6/27

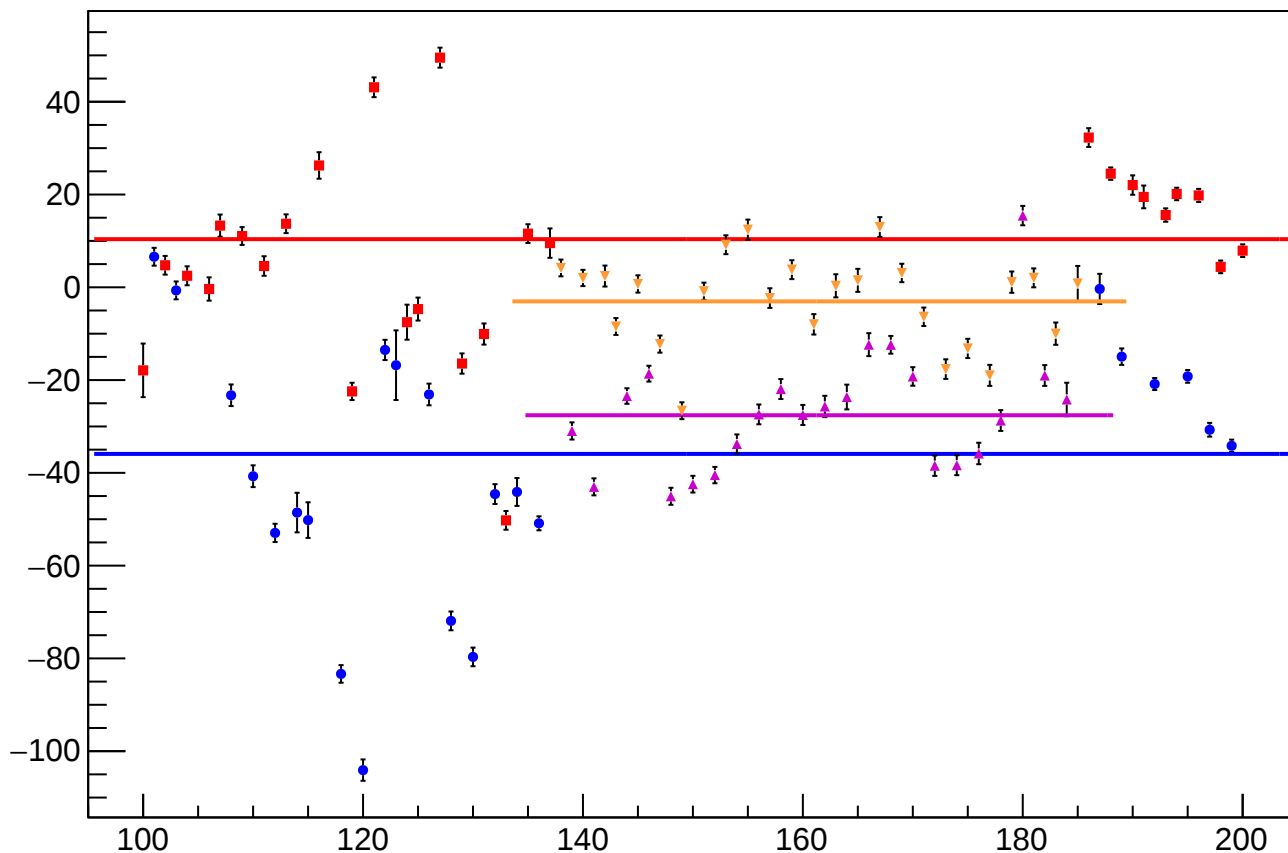
Left In: 1200.198 ± 0.207 χ^2/NDF : 938224.7/22

+ sign 948.092 ± 0.130 χ^2/NDF : 4746537.6/47

All: 920.672 ± 0.089 χ^2/NDF : 10615652.9/98

- sign 896.808 ± 0.121 χ^2/NDF : 5785735.7/50

diff_bpm0i02X_mean vs Slug



Right In: -35.917 ± 0.409 χ^2/NDF : 4065.2/22

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

Right Out: 10.379 ± 0.366 χ^2/NDF : 2583.9/27

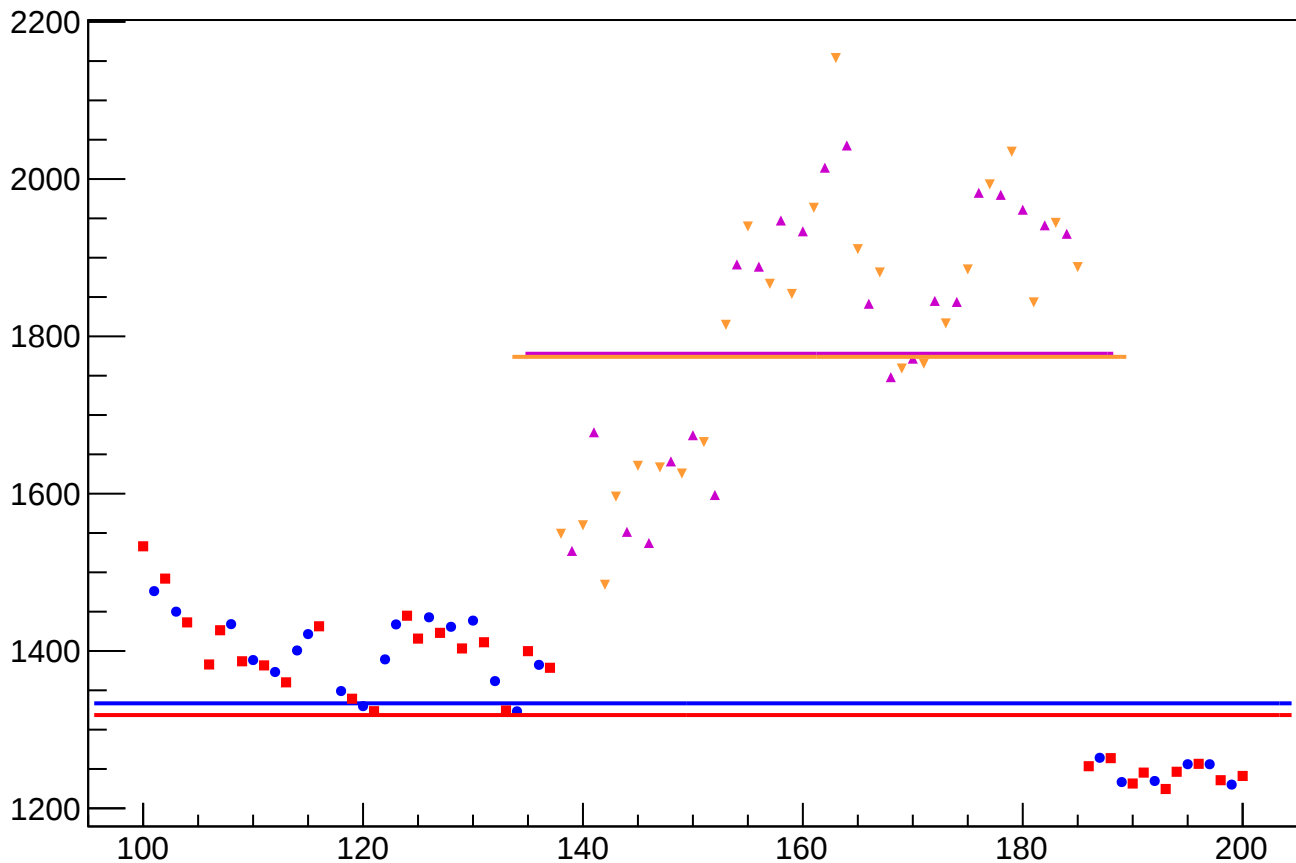
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -19.723 ± 0.291 χ^2/NDF : 7805.2/47

All: -12.353 ± 0.201 χ^2/NDF : 17104.8/98

- sign -5.617 ± 0.278 χ^2/NDF : 8074.4/50

diff_bpm0i02X_rms vs Slug



Right In: 1333.454 $\pm$ 0.289 χ^2 /NDF: 87063.7/22

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

Right Out: 1318.551 $\pm$ 0.259 χ^2 /NDF: 100904.0/27

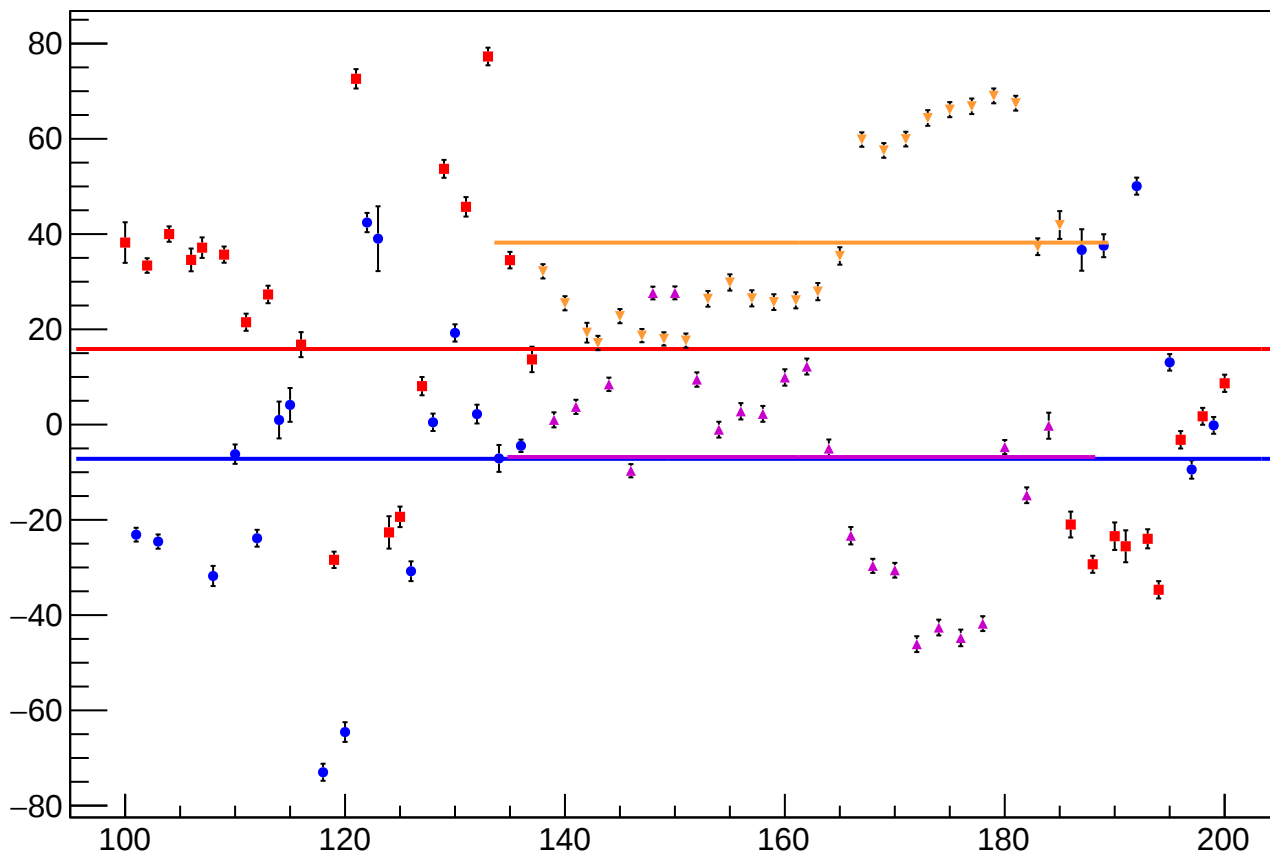
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1550.410 $\pm$ 0.206 χ^2 /NDF: 1543232.9/47

All: 1530.396 $\pm$ 0.142 χ^2 /NDF: 3288248.6/98

- sign 1512.103 $\pm$ 0.197 χ^2 /NDF: 1726945.8/50

diff_bpm0i02Y_mean vs Slug



Right In: -7.187 ± 0.411 χ^2/NDF : 5262.1/22

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

Right Out: 15.870 ± 0.380 χ^2/NDF : 6929.6/27

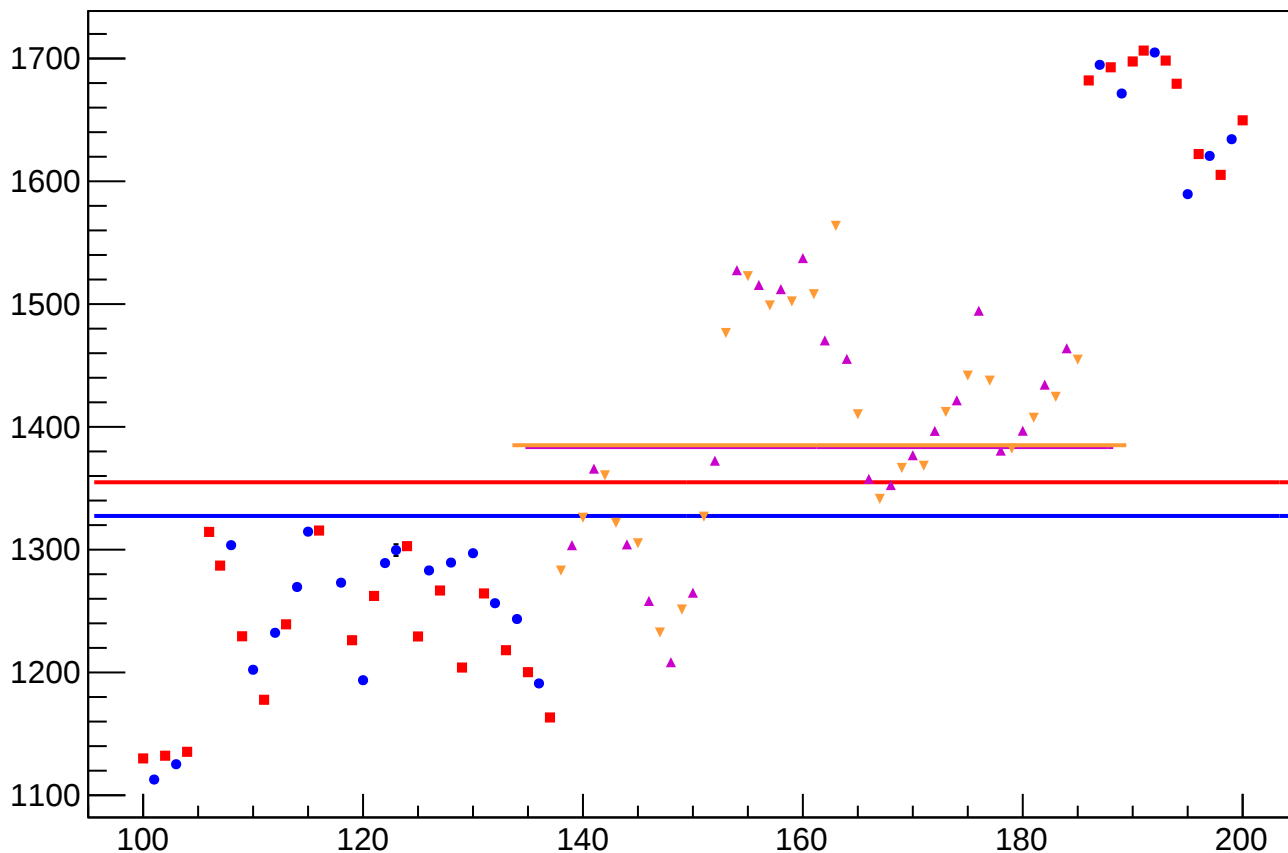
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 20.825 ± 0.254 χ^2/NDF : 16321.3/47

All: 11.806 ± 0.178 χ^2/NDF : 32245.4/98

- sign 3.037 ± 0.250 χ^2/NDF : 13437.8/50

diff_bpm0i02Y_rms vs Slug



Right In: 1327.455+/-0.290 χ^2/NDF : 430844.9/22

Left Out: 1385.063+/-0.229 χ^2/NDF :146001.5/24

Right Out: 1354.886+/-0.269 χ^2/NDF : 615028.7/27

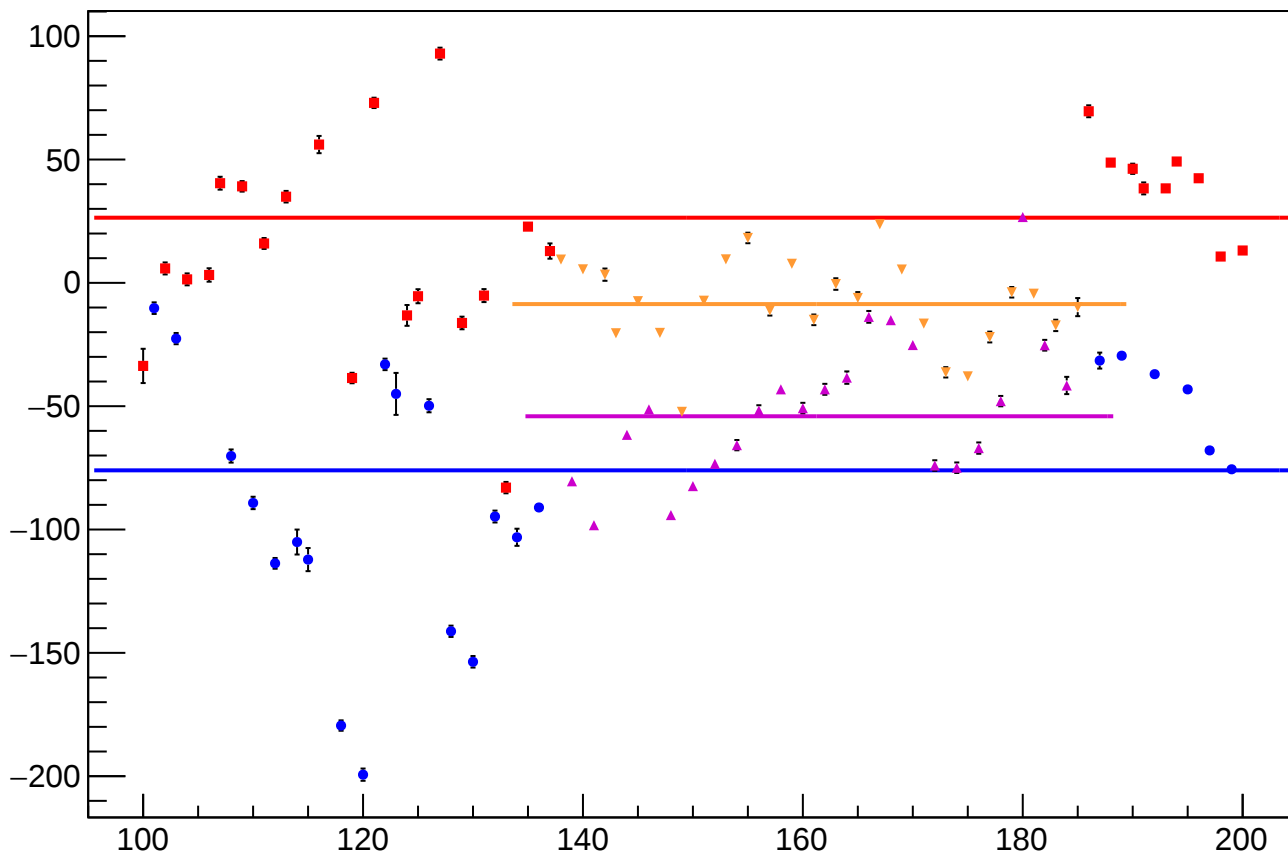
Left In: 1383.558+/-0.235 χ^2/NDF :154696.0/22

+ sign 1363.005+/-0.180 χ^2/NDF : 601149.5/47

All: 1367.115+/-0.126 χ^2/NDF : 1378343.8/98

- sign 1371.111+/-0.177 χ^2/NDF : 776162.0/50

diff_bpm0i02aX_mean vs Slug



Right In: -76.009 ± 0.448 $\chi^2/\text{NDF}: 11488.4/22$

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

Right Out: 26.418 ± 0.399 $\chi^2/\text{NDF}: 6906.2/27$

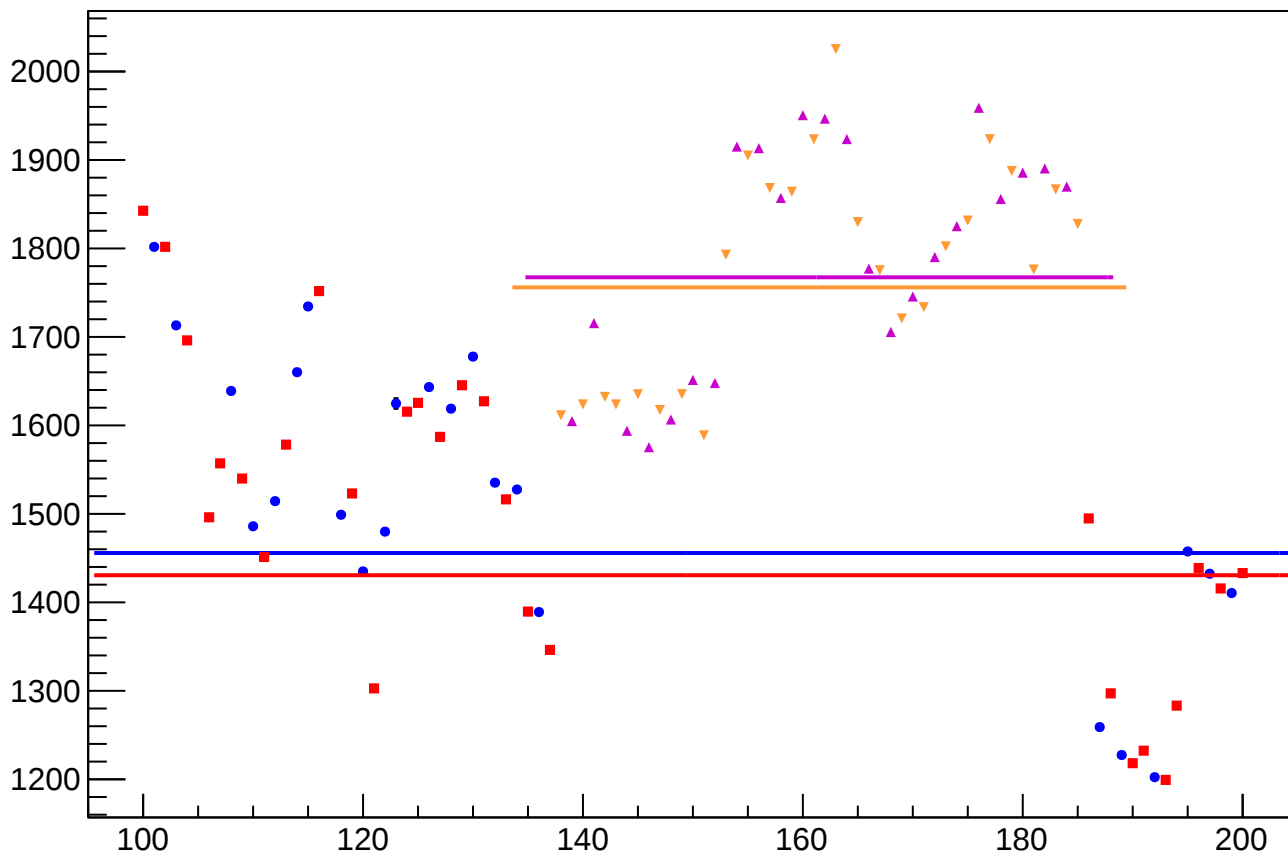
Left In: -54.089 ± 0.426 $\chi^2/\text{NDF}: 4721.6/22$

+ sign -39.319 ± 0.303 $\chi^2/\text{NDF}: 25720.9/47$

All: -24.733 ± 0.210 $\chi^2/\text{NDF}: 60861.6/98$

- sign -11.239 ± 0.291 $\chi^2/\text{NDF}: 30669.3/50$

diff_bpm0i02aX_rms vs Slug



Right In: 1455.769 $\pm$ 0.317 χ^2 /NDF: 260889.8/22

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

Right Out: 1430.647 $\pm$ 0.282 χ^2 /NDF: 307722.4/27

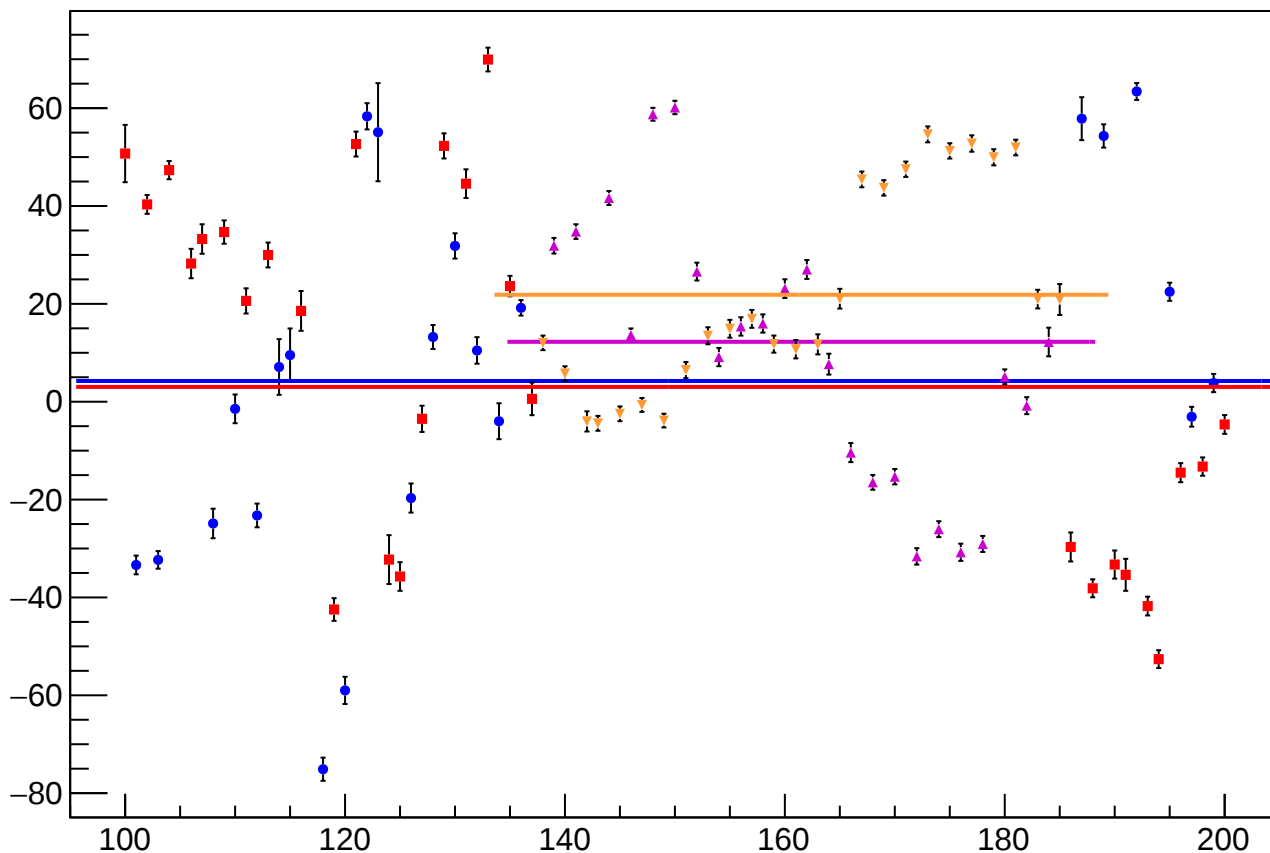
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF: 187958.2/22

+ sign 1619.214 $\pm$ 0.214 χ^2 /NDF: 924911.5/47

All: 1603.086 $\pm$ 0.148 χ^2 /NDF: 2097900.3/98

- sign 1588.166 $\pm$ 0.206 χ^2 /NDF: 1162055.8/50

diff_bpm0i02aY_mean vs Slug



Right In: 4.237 ± 0.504 $\chi^2/\text{NDF}: 5270.1/22$

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

Right Out: 3.027 ± 0.458 $\chi^2/\text{NDF}: 6523.0/27$

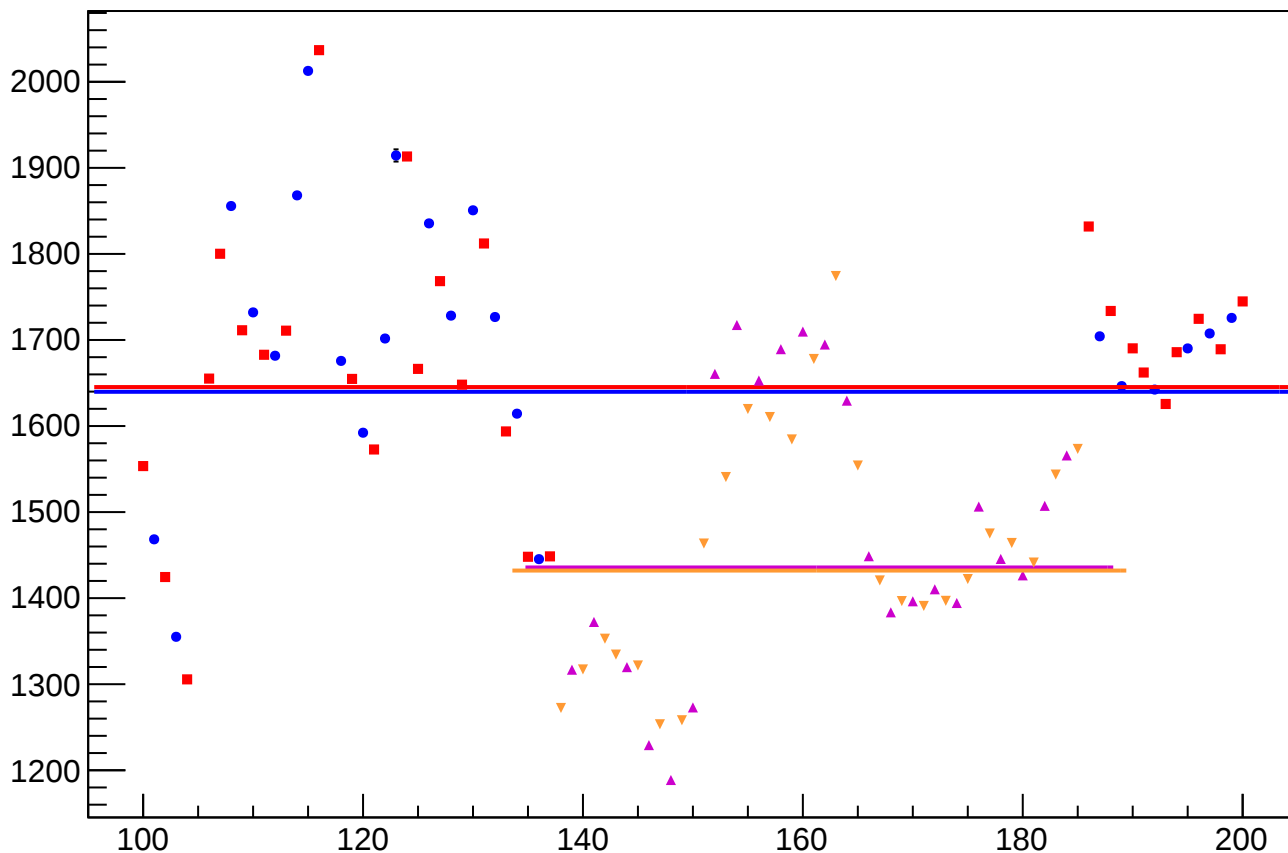
Left In: 12.246 ± 0.347 $\chi^2/\text{NDF}: 6781.6/22$

+ sign 16.456 ± 0.279 $\chi^2/\text{NDF}: 10226.8/47$

All: 12.635 ± 0.197 $\chi^2/\text{NDF}: 24159.5/98$

- sign 8.885 ± 0.277 $\chi^2/\text{NDF}: 13561.8/50$

diff_bpm0i02aY_rms vs Slug



Right In: 1639.793 $\pm$ 0.357 χ^2 /NDF: 160586.6/22

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

Right Out: 1645.284 $\pm$ 0.324 χ^2 /NDF: 188503.2/27

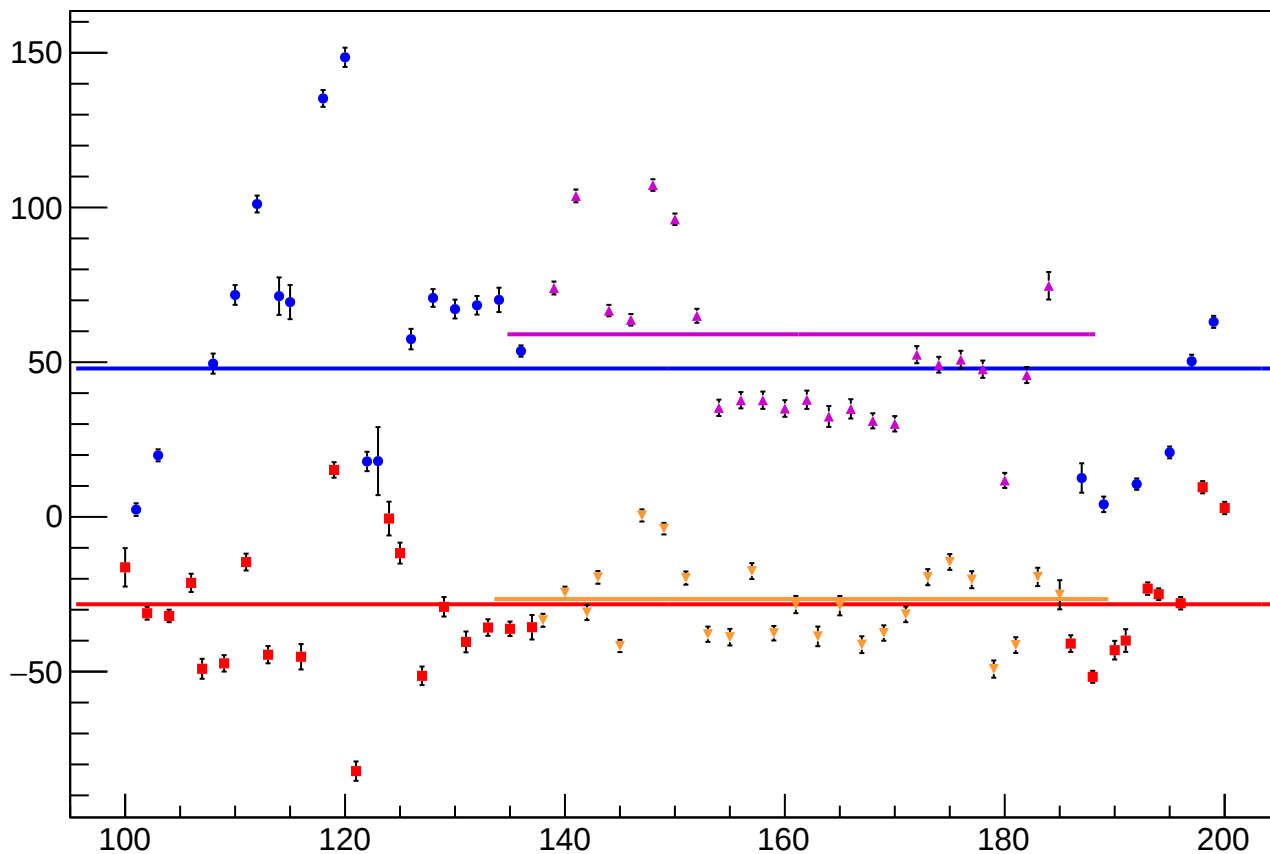
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1495.723 $\pm$ 0.197 χ^2 /NDF: 693187.5/47

All: 1503.974 $\pm$ 0.139 χ^2 /NDF: 1572028.0/98

- sign 1512.071 $\pm$ 0.196 χ^2 /NDF: 875381.3/50

diff_bpm0i05X_mean vs Slug



Right In: 47.965 $\pm$ 0.550 χ^2 /NDF: 4585.1/22

Left Out: -26.554 $\pm$ 0.488 χ^2 /NDF: 717.5/24

Right Out: -28.240 $\pm$ 0.493 χ^2 /NDF: 1750.9/27

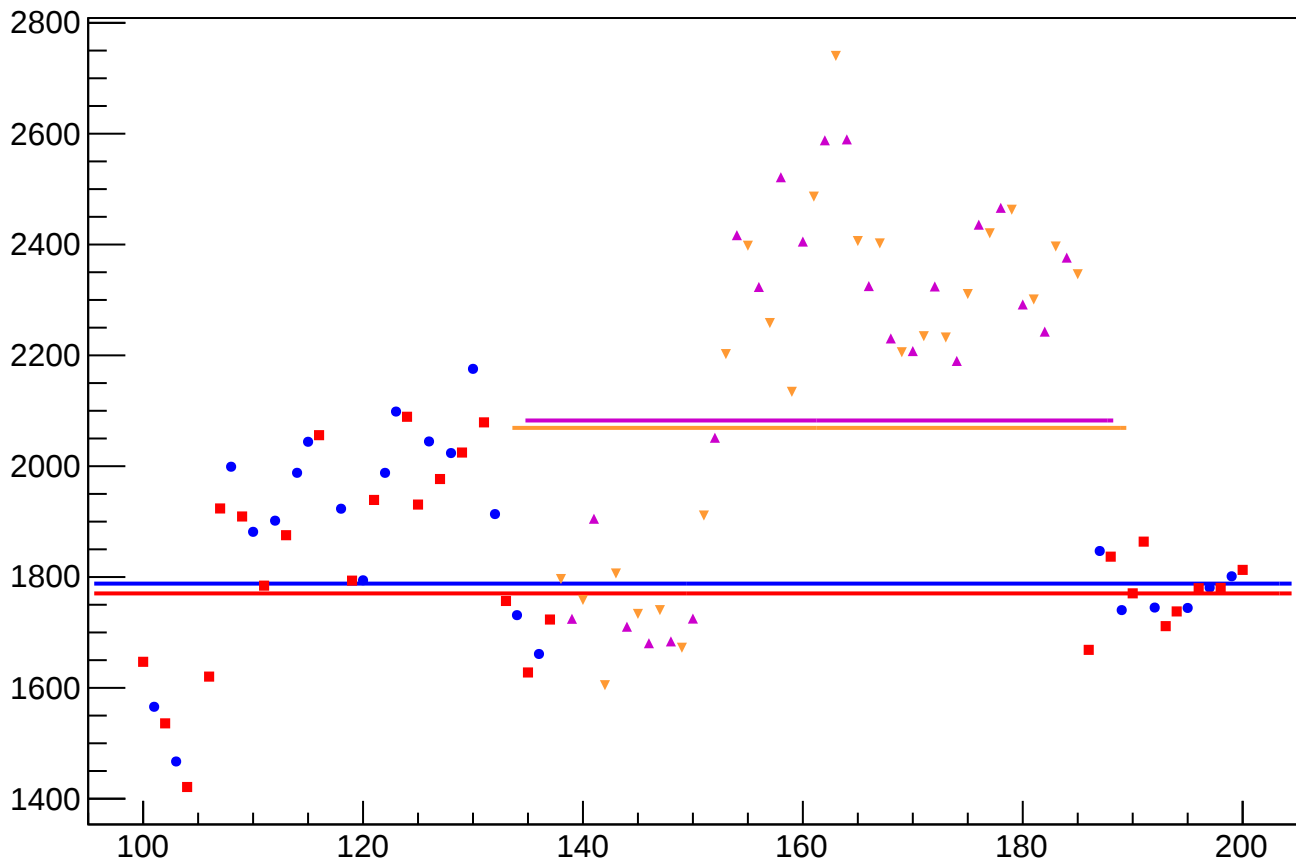
Left In: 59.014 $\pm$ 0.506 χ^2 /NDF: 2783.8/22

+ sign 6.245 $\pm$ 0.365 χ^2 /NDF: 15571.6/47

All: 10.354 $\pm$ 0.254 χ^2 /NDF: 35597.9/98

- sign 14.201 $\pm$ 0.353 χ^2 /NDF: 19781.0/50

diff_bpm0i05X_rms vs Slug



Right In: 1788.148 $\pm$ 0.389 χ^2 /NDF: 187650.3/22

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

Right Out: 1770.436 $\pm$ 0.348 χ^2 /NDF: 187603.9/27

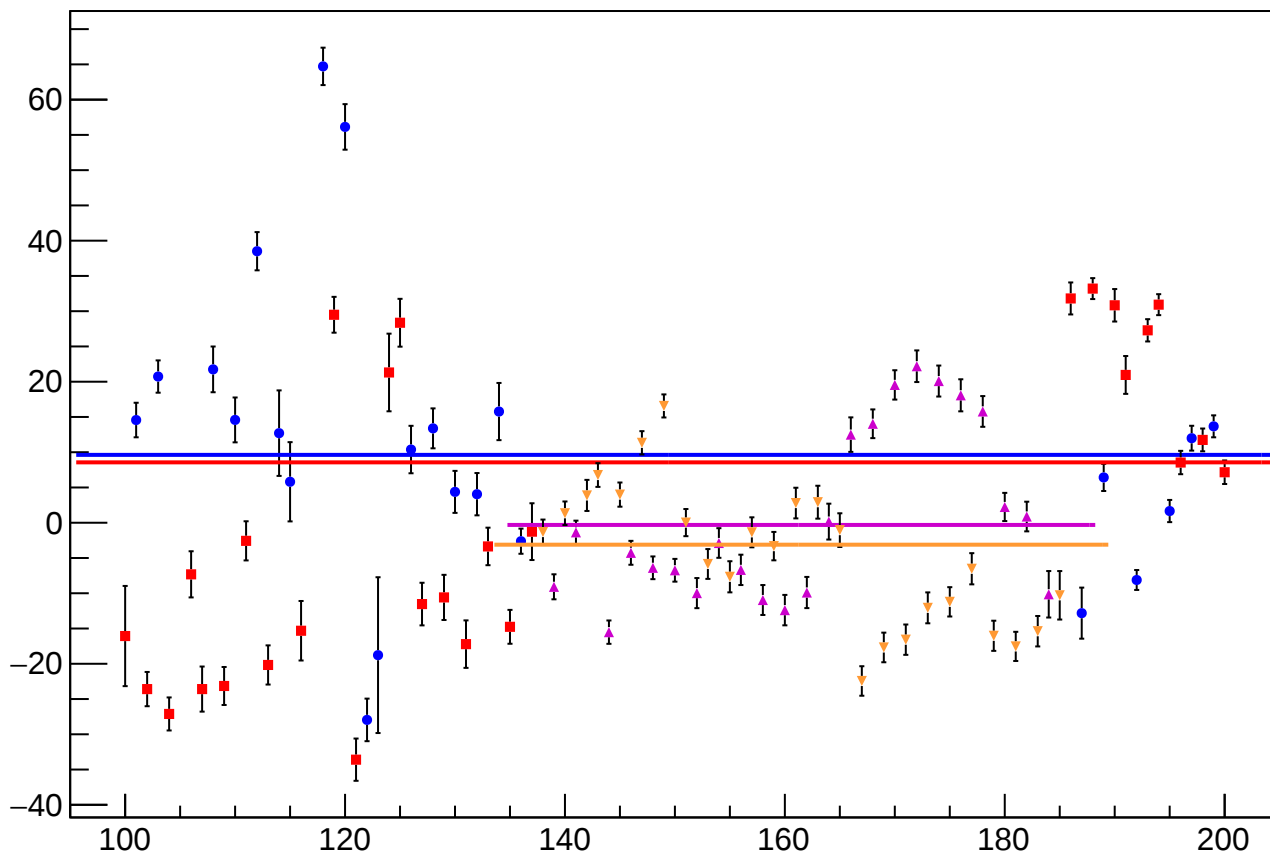
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1945.468 $\pm$ 0.258 χ^2 /NDF: 1278720.6/47

All: 1933.463 $\pm$ 0.179 χ^2 /NDF: 2645854.6/98

- sign 1922.224 $\pm$ 0.250 χ^2 /NDF: 1362945.7/50

diff_bpm0i05Y_mean vs Slug



Right In: 9.624 ± 0.506 χ^2/NDF : 1249.6/22

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

Right Out: 8.562 ± 0.447 χ^2/NDF : 2268.2/27

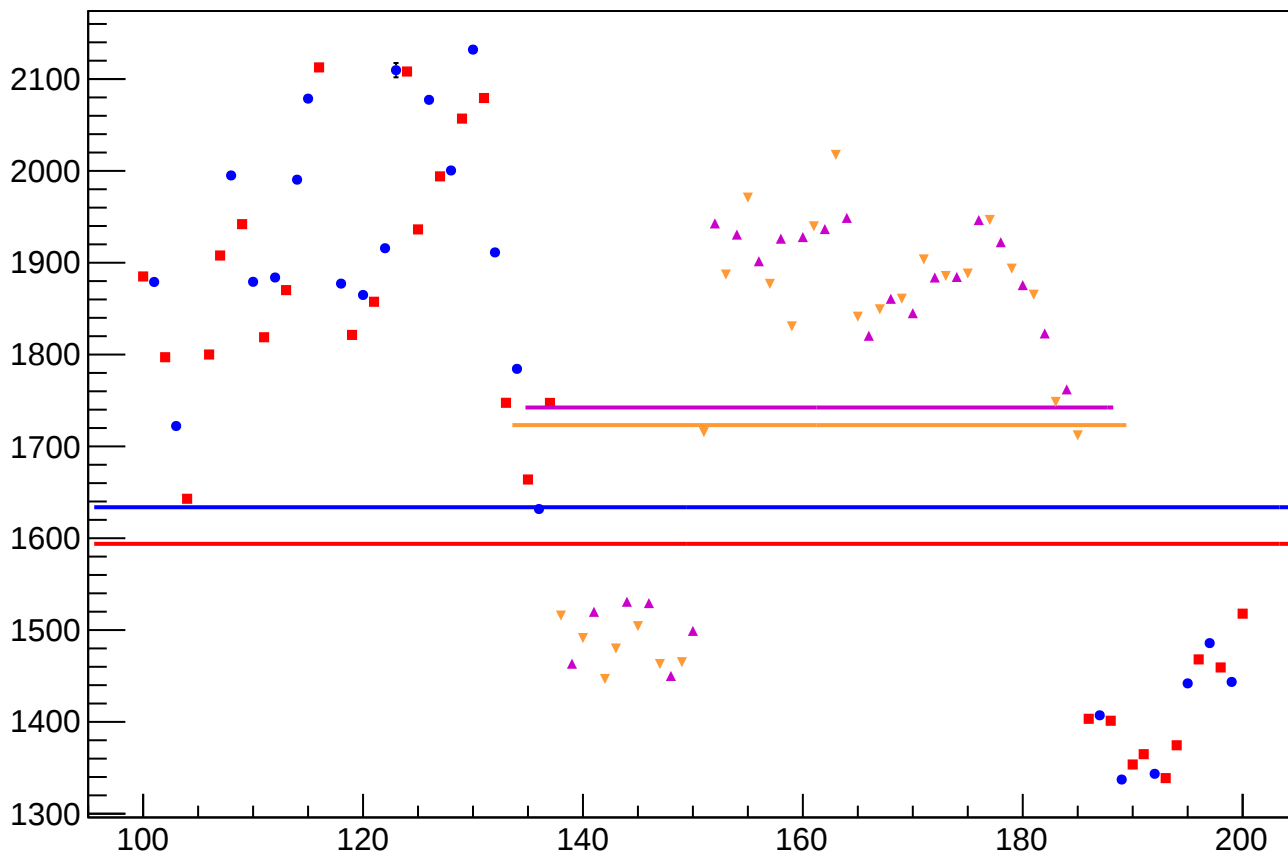
Left In: -0.312 ± 0.421 χ^2/NDF : 736.5/22

+ sign 1.846 ± 0.316 χ^2/NDF : 2279.8/47

All: 2.885 ± 0.220 χ^2/NDF : 5514.4/98

- sign 3.862 ± 0.306 χ^2/NDF : 3213.6/50

diff_bpm0i05Y_rms vs Slug



Right In: 1633.746 $\pm$ 0.358 χ^2 /NDF: 502125.4/22

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

Right Out: 1593.898 $\pm$ 0.316 χ^2 /NDF: 550432.9/27

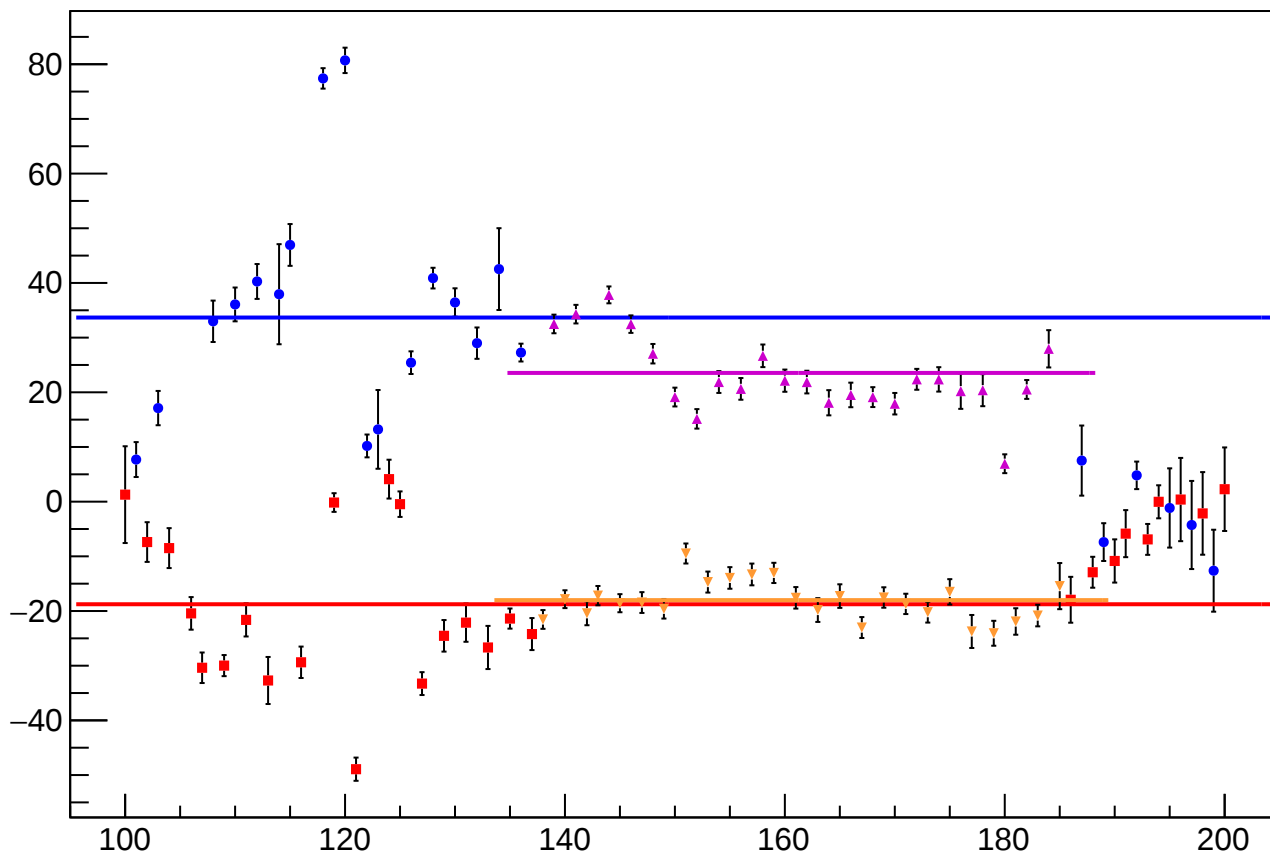
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1688.360 $\pm$ 0.223 χ^2 /NDF: 1017662.2/47

All: 1680.203 $\pm$ 0.156 χ^2 /NDF: 2123452.7/98

- sign 1672.528 $\pm$ 0.217 χ^2 /NDF: 1103202.5/50

diff_bpm0i07X_mean vs Slug



Right In: 33.675 ± 0.601 χ^2/NDF : 1627.2/22

Left Out: -18.007 ± 0.397 χ^2/NDF : 73.8/24

Right Out: -18.762 ± 0.552 χ^2/NDF : 677.9/27

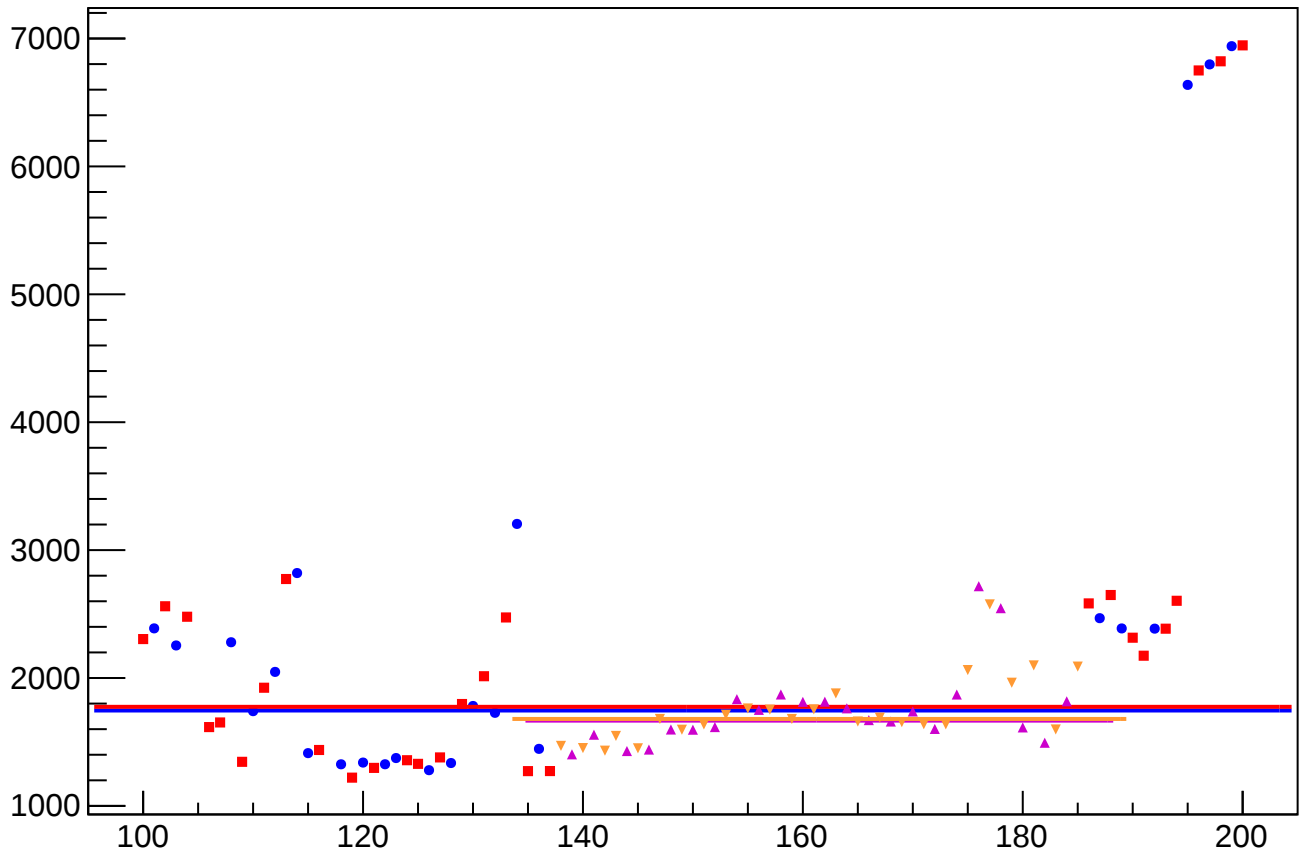
Left In: 23.544 ± 0.406 χ^2/NDF : 346.7/22

+ sign -2.322 ± 0.331 χ^2/NDF : 6852.3/47

All: 3.268 ± 0.233 χ^2/NDF : 12251.4/98

- sign 8.720 ± 0.327 χ^2/NDF : 4835.8/50

diff_bpm0i07X_rms vs Slug



Right In: 1745.948 $\pm$ 0.425 χ^2 /NDF: 3704605.2/22

Left Out: 1679.814 $\pm$ 0.281 χ^2 /NDF: 522795.6/24

Right Out: 1774.652 $\pm$ 0.391 χ^2 /NDF: 4415881.9/27

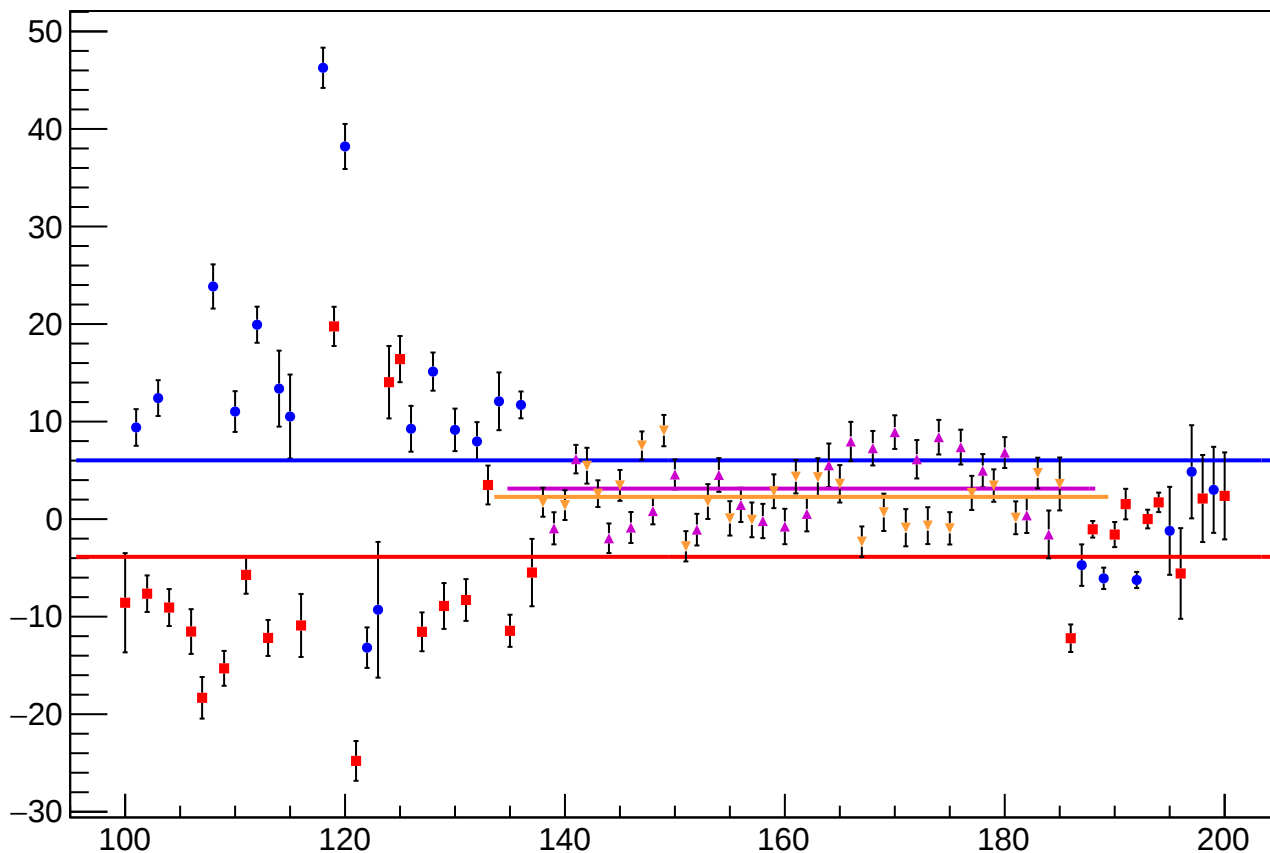
Left In: 1666.819 $\pm$ 0.287 χ^2 /NDF: 650990.8/22

+ sign 1699.886 $\pm$ 0.234 χ^2 /NDF: 4244271.0/47

All: 1702.274 $\pm$ 0.164 χ^2 /NDF: 9360870.7/98

- sign 1704.604 $\pm$ 0.231 χ^2 /NDF: 5116394.0/50

diff_bpm0i07Y_mean vs Slug



Right In: 6.023 ± 0.399 χ^2/NDF : 1225.1/22

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

Right Out: -3.868 ± 0.329 χ^2/NDF : 647.4/27

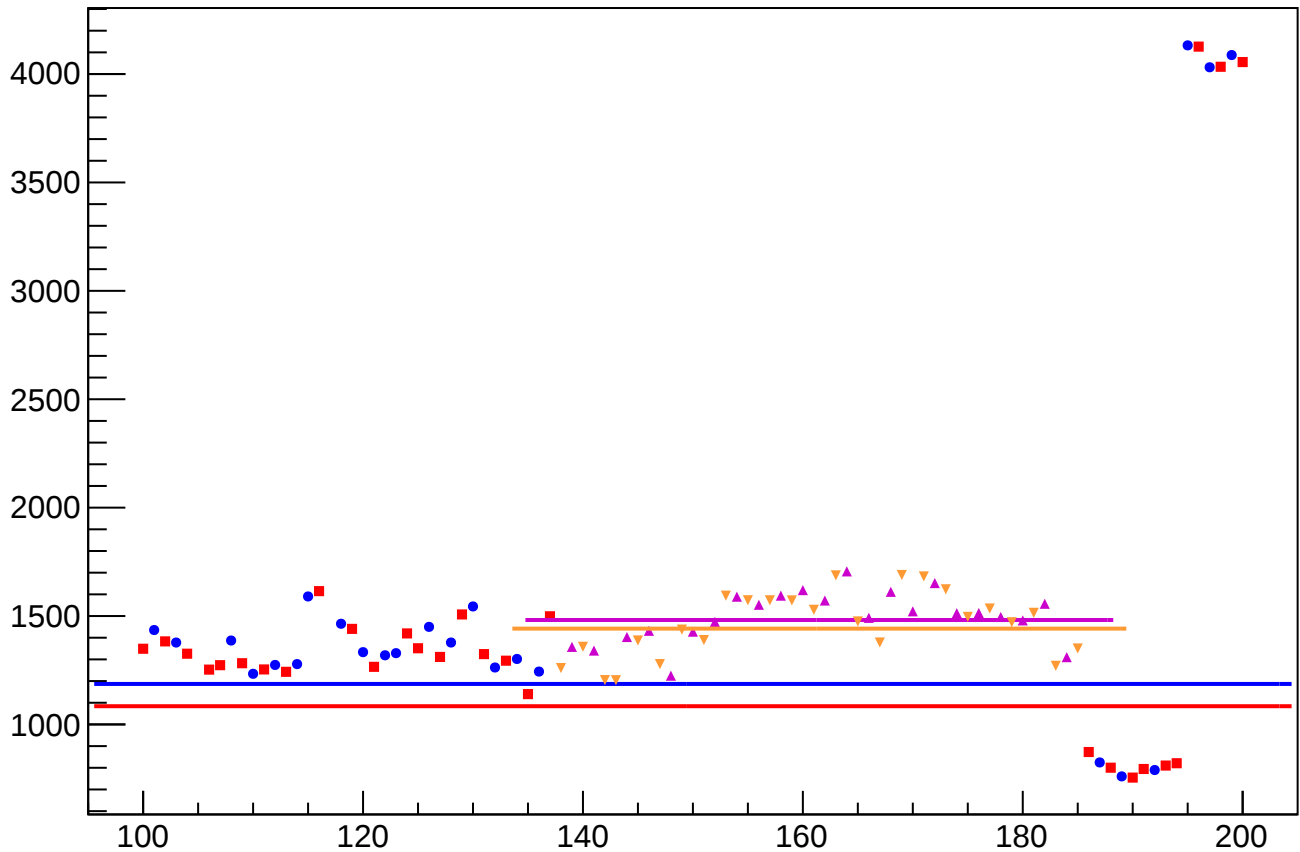
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.846 ± 0.258 χ^2/NDF : 1351.9/47

All: 1.454 ± 0.177 χ^2/NDF : 2471.7/98

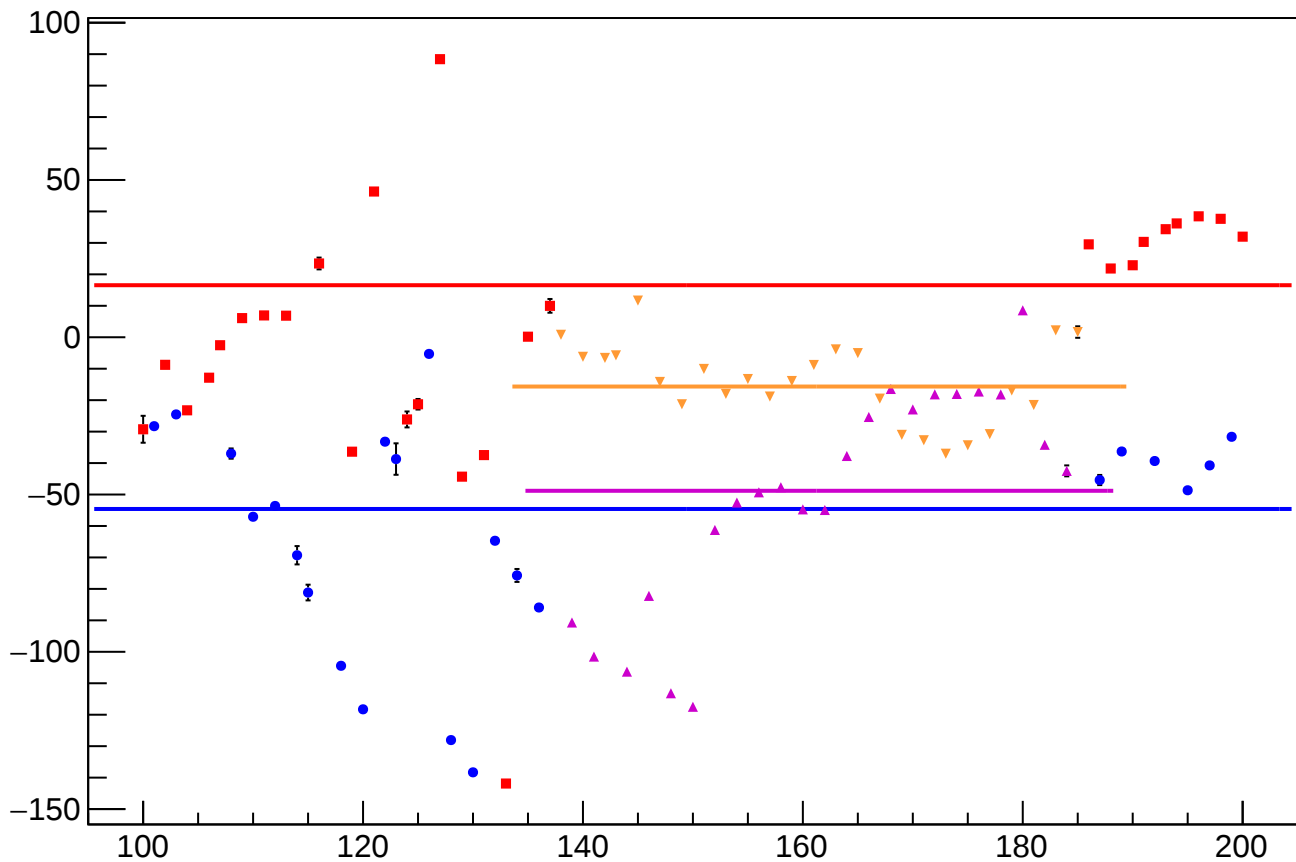
- sign -0.657 ± 0.242 χ^2/NDF : 957.9/50

diff_bpm0i07Y_rms vs Slug



Right In: 1186.759+/-0.282	χ^2/NDF : 3502744.7/22	+ sign 1335.171+/-0.182	χ^2/NDF : 4349713.3/47
Left Out: 1441.951+/-0.239	χ^2/NDF : 370617.4/24	All: 1298.708+/-0.125	χ^2/NDF : 9874599.3/98
Right Out: 1084.036+/-0.233	χ^2/NDF : 3903335.3/27	- sign 1266.539+/-0.171	χ^2/NDF : 5449663.9/50
Left In: 1481.695+/-0.253	χ^2/NDF : 208470.6/22		

diff_bpm1i02X_mean vs Slug



Right In: -54.593 ± 0.243 χ^2/NDF : 16428.0/22

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

Right Out: 16.544 ± 0.213 χ^2/NDF : 27903.4/27

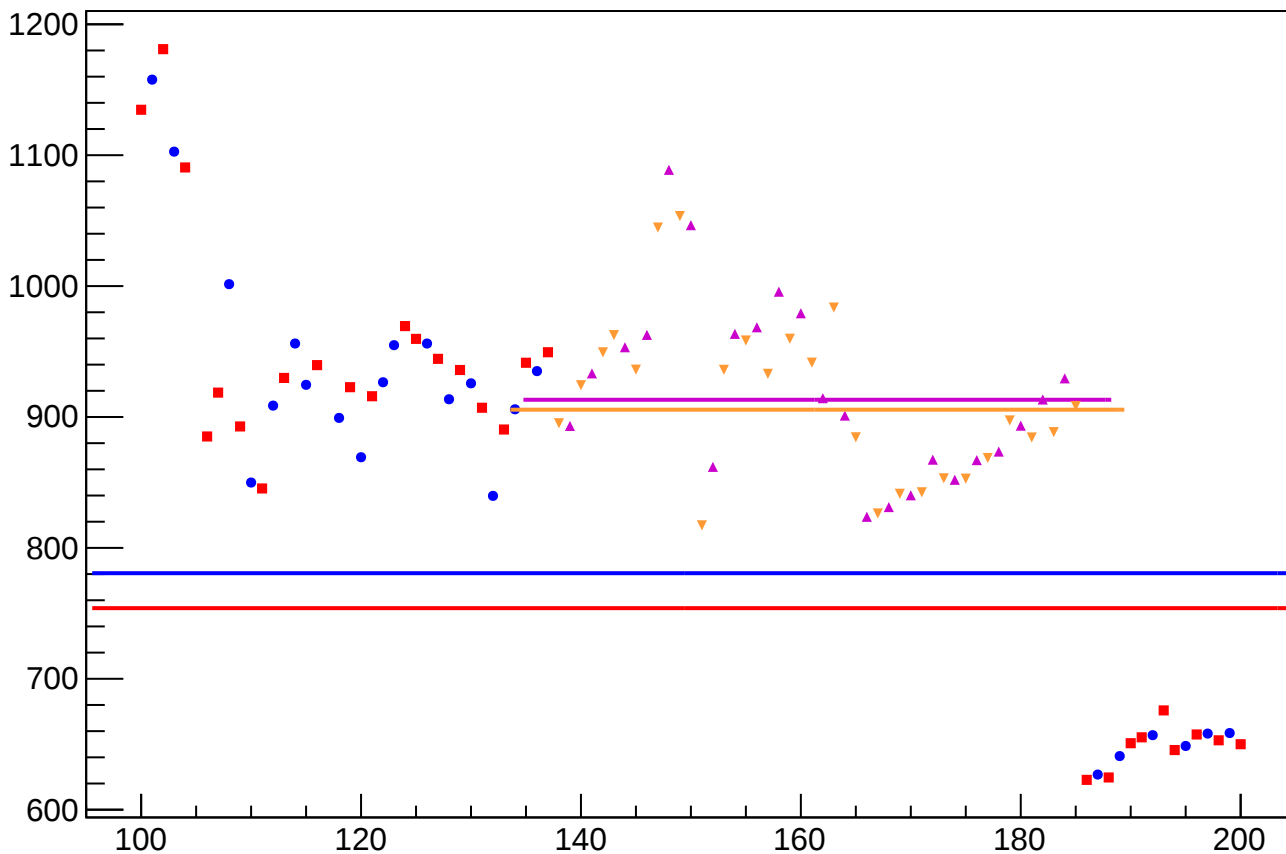
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -32.410 ± 0.160 χ^2/NDF : 34514.7/47

All: -23.381 ± 0.110 χ^2/NDF : 139396.5/98

- sign -15.093 ± 0.153 χ^2/NDF : 98749.0/50

diff_bpm1i02X_rms vs Slug



Right In: 780.669 $\pm$ 0.172 χ^2 /NDF: 778205.1/22

Left Out: 905.578 $\pm$ 0.150 χ^2 /NDF: 162073.5/24

Right Out: 753.963 $\pm$ 0.151 χ^2 /NDF: 964209.6/27

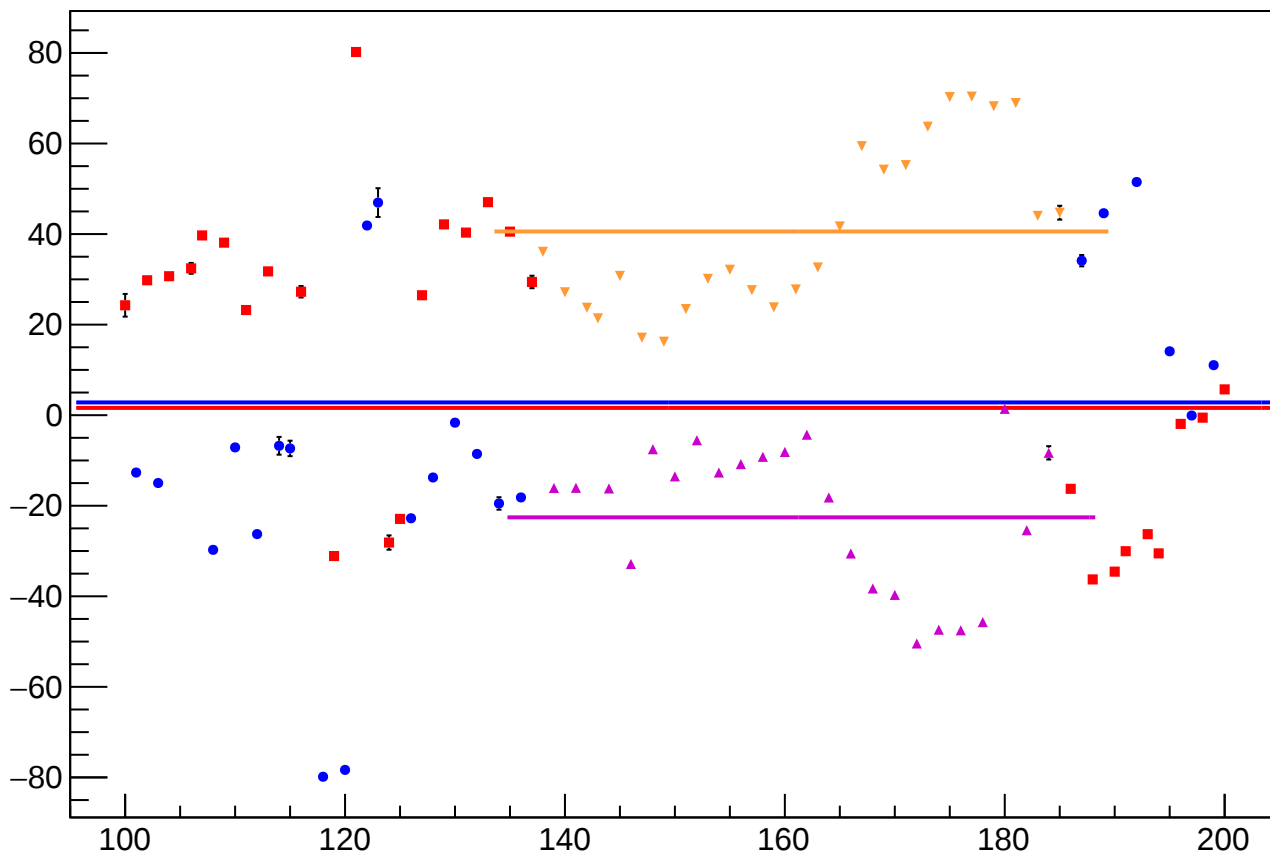
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF: 174438.8/22

+ sign 851.850 $\pm$ 0.113 χ^2 /NDF: 1240299.5/47

All: 840.993 $\pm$ 0.078 χ^2 /NDF: 2937653.4/98

- sign 831.027 $\pm$ 0.108 χ^2 /NDF: 1679619.2/50

diff_bpm1i02Y_mean vs Slug



Right In: 2.817 $\pm$ 0.172 χ^2 /NDF: 35396.0/22

Left Out: 40.573 $\pm$ 0.168 χ^2 /NDF:12079.0/24

Right Out: 1.612 $\pm$ 0.152 χ^2 /NDF: 40985.6/27

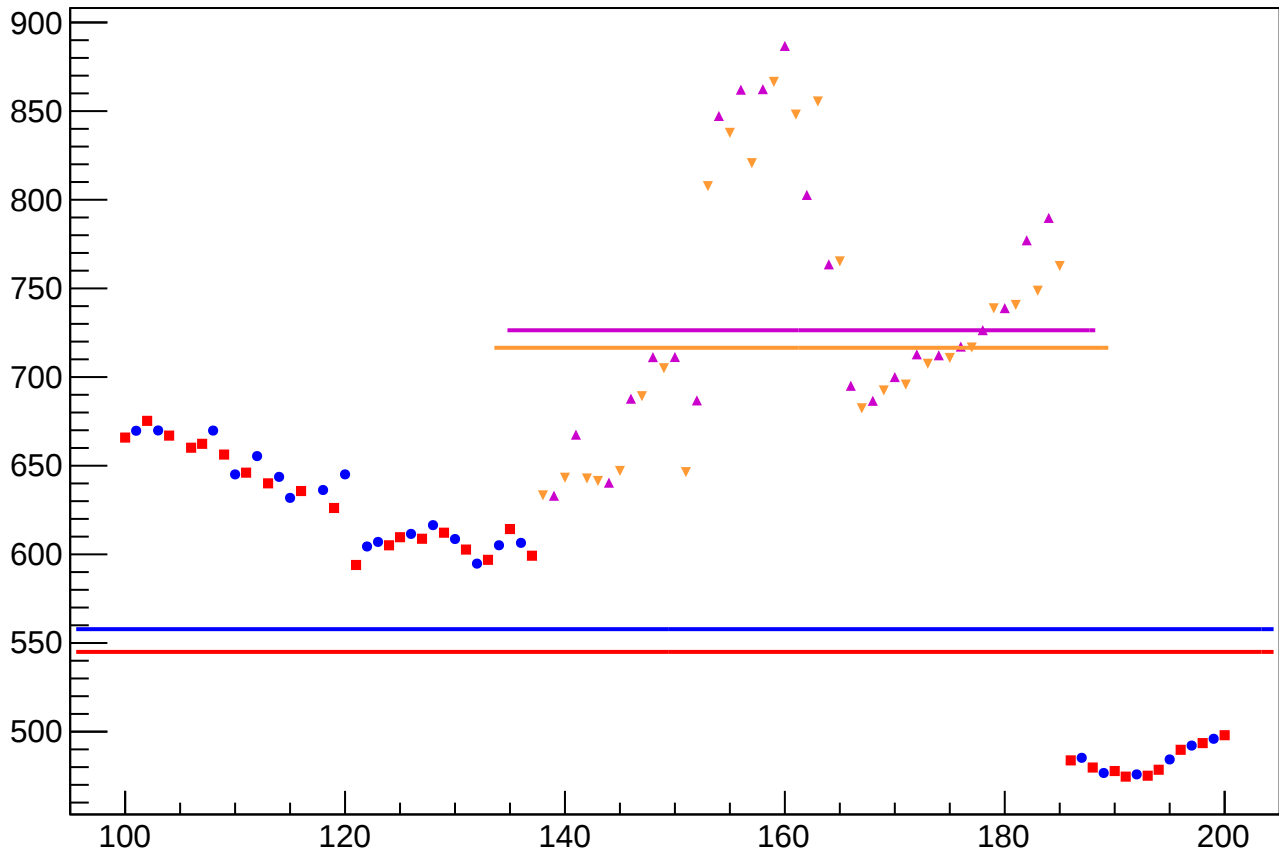
Left In: -22.565 $\pm$ 0.175 χ^2 /NDF:8167.7/22

+ sign 22.183 $\pm$ 0.120 χ^2 /NDF: 72122.1/47

All: 6.009 $\pm$ 0.083 χ^2 /NDF: 166788.4/98

- sign -8.797 $\pm$ 0.115 χ^2 /NDF: 59987.9/50

diff_bpm1i02Y_rms vs Slug



Right In: 557.809 $\pm$ 0.122 χ^2 /NDF: 378097.6/22

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF: 342740.2/24

Right Out: 544.990 $\pm$ 0.108 χ^2 /NDF: 468622.7/27

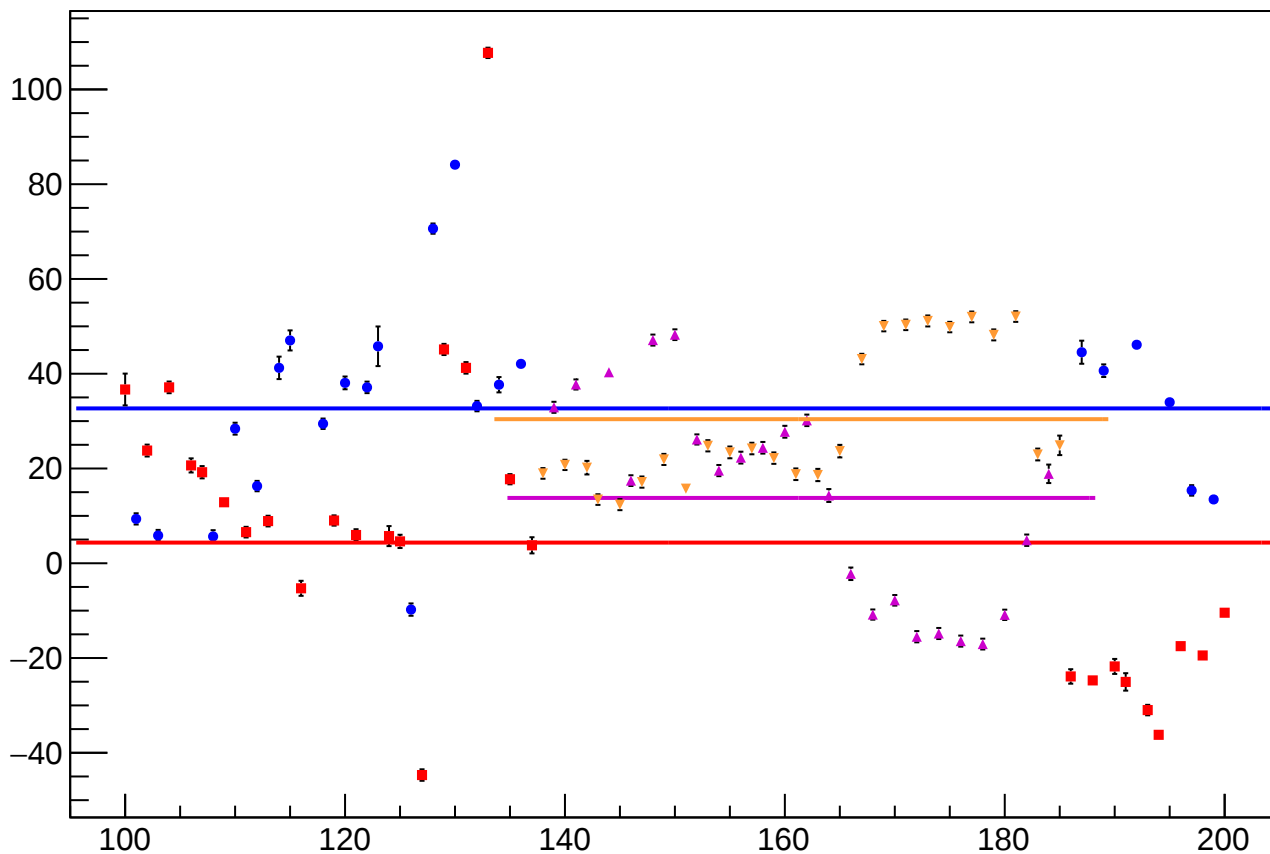
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 639.216 $\pm$ 0.085 χ^2 /NDF: 1591824.3/47

All: 630.795 $\pm$ 0.059 χ^2 /NDF: 3588885.9/98

- sign 623.087 $\pm$ 0.081 χ^2 /NDF: 1978262.8/50

diff_bpm1i04X_mean vs Slug



Right In: 32.680 ± 0.253 $\chi^2/\text{NDF}: 7289.9/22$

Left Out: 30.408 ± 0.237 $\chi^2/\text{NDF}: 3808.0/24$

Right Out: 4.362 ± 0.233 $\chi^2/\text{NDF}: 19794.1/27$

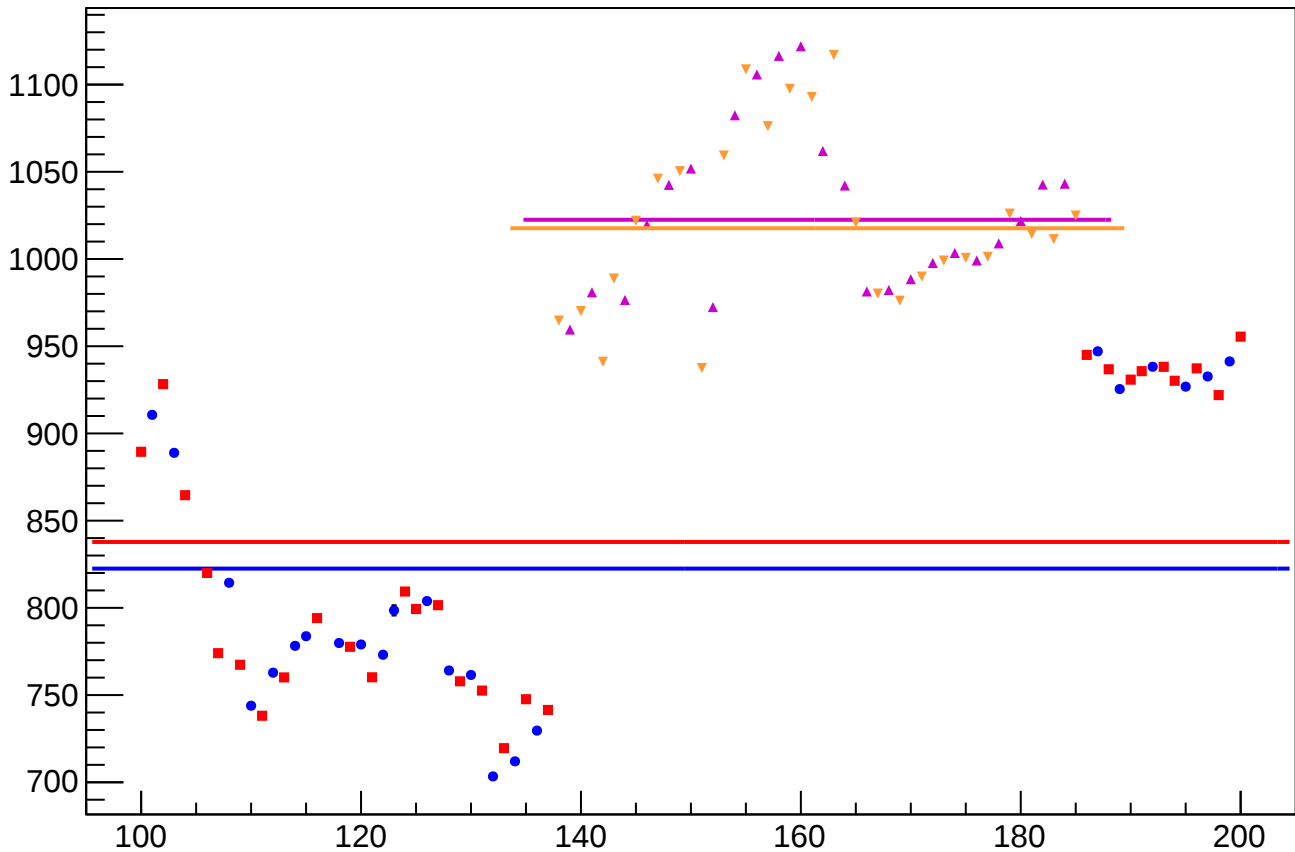
Left In: 13.787 ± 0.246 $\chi^2/\text{NDF}: 7979.7/22$

+ sign 31.471 ± 0.173 $\chi^2/\text{NDF}: 11140.8/47$

All: 19.893 ± 0.121 $\chi^2/\text{NDF}: 48430.9/98$

- sign 8.830 ± 0.169 $\chi^2/\text{NDF}: 28546.8/50$

diff_bpm1i04X_rms vs Slug



Right In: 822.510 ± 0.179 $\chi^2/\text{NDF}: 226903.8/22$

Left Out: 1017.653 ± 0.168 $\chi^2/\text{NDF}: 83612.5/24$

Right Out: 837.785 ± 0.165 $\chi^2/\text{NDF}: 265096.3/27$

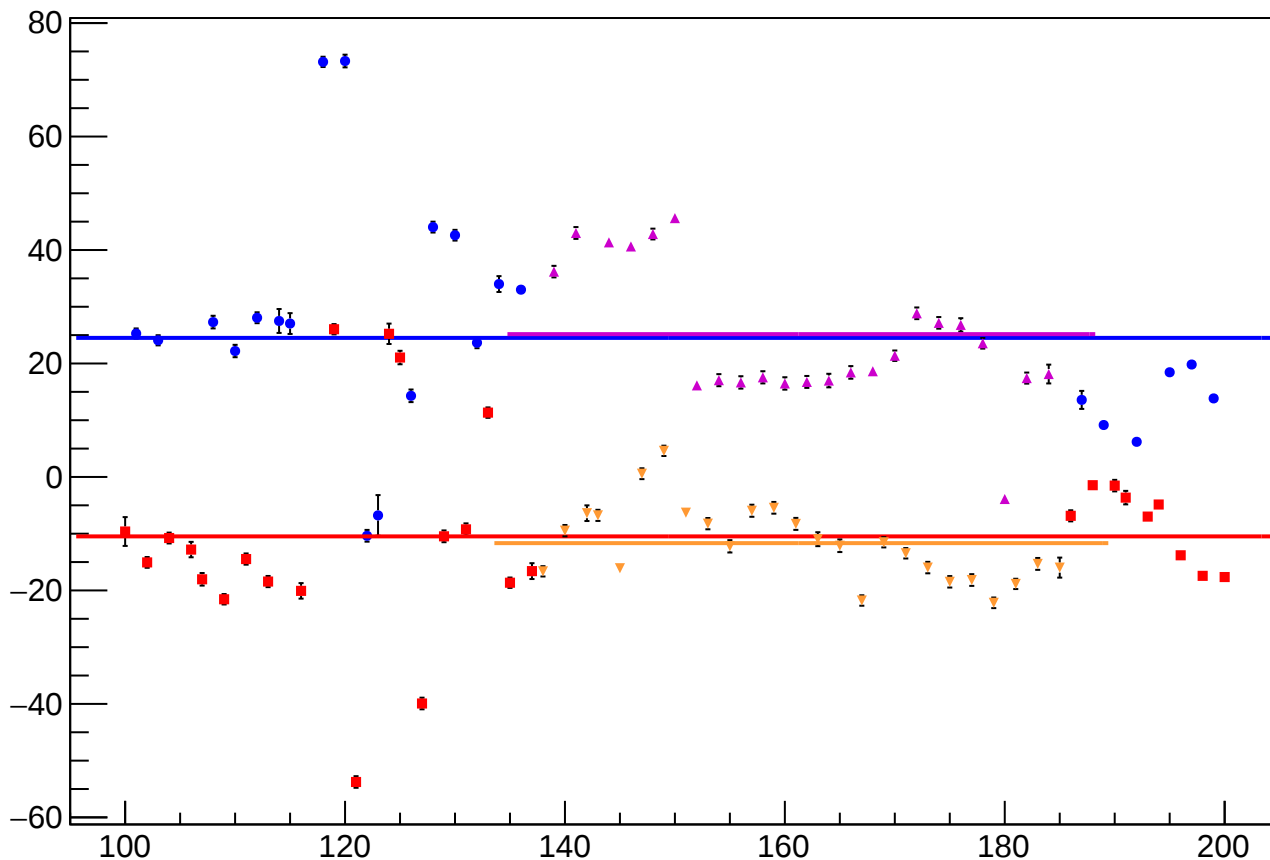
Left In: 1022.511 ± 0.174 $\chi^2/\text{NDF}: 69635.5/22$

+ sign 926.330 ± 0.122 $\chi^2/\text{NDF}: 942939.9/47$

All: 925.833 ± 0.086 $\chi^2/\text{NDF}: 1871648.9/98$

- sign 925.359 ± 0.120 $\chi^2/\text{NDF}: 928676.9/50$

diff_bpm1i04Y_mean vs Slug



Right In: 24.513 ± 0.192 χ^2/NDF : 8761.9/22

Left Out: -11.664 ± 0.200 χ^2/NDF : 1147.4/24

Right Out: -10.475 ± 0.175 χ^2/NDF : 7006.0/27

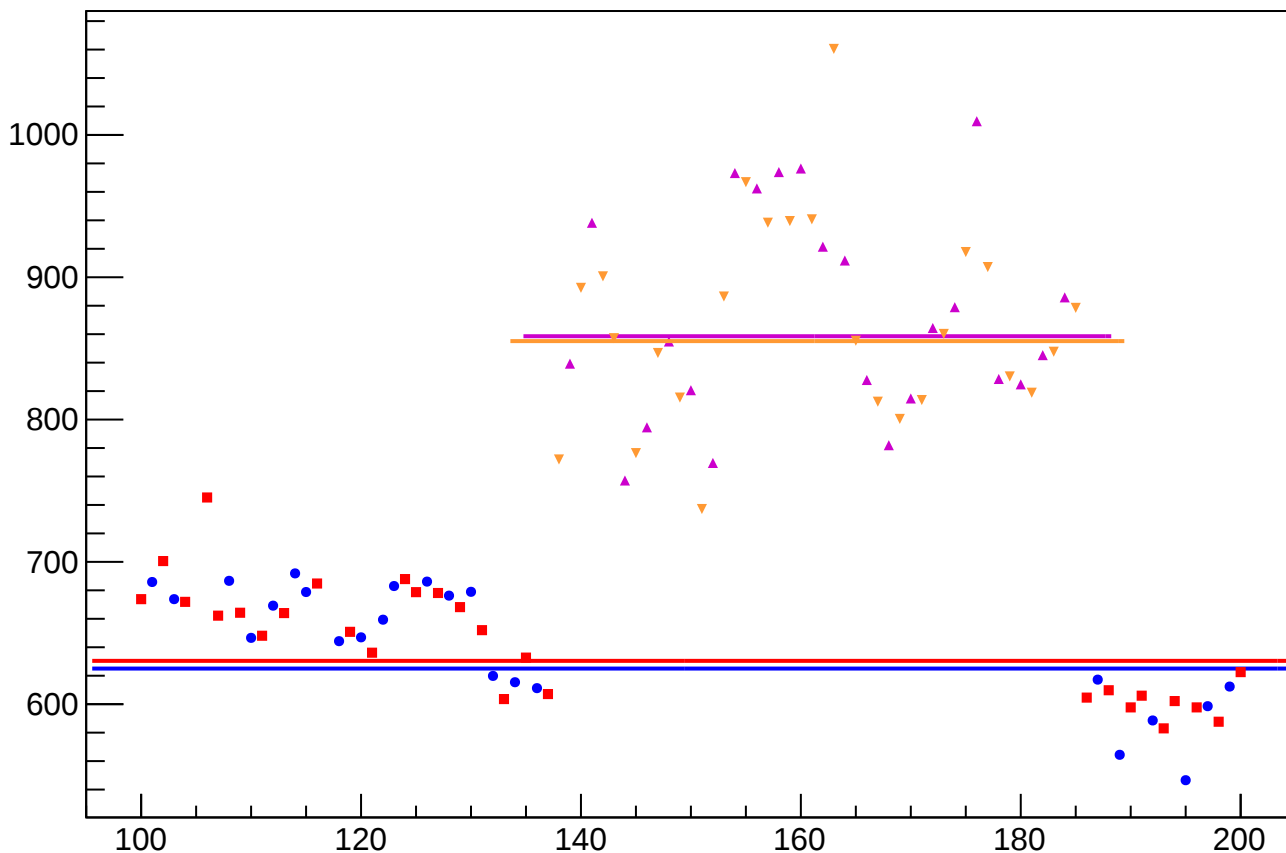
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 7.176 ± 0.139 χ^2/NDF : 26900.4/47

All: 5.724 ± 0.096 χ^2/NDF : 55109.9/98

- sign 4.371 ± 0.134 χ^2/NDF : 27997.6/50

diff_bpm1i04Y_rms vs Slug



Right In: 625.028 $\pm$ 0.136 χ^2 /NDF: 108860.5/22

Left Out: 855.131 $\pm$ 0.142 χ^2 /NDF: 233746.7/24

Right Out: 630.444 $\pm$ 0.124 χ^2 /NDF: 89631.2/27

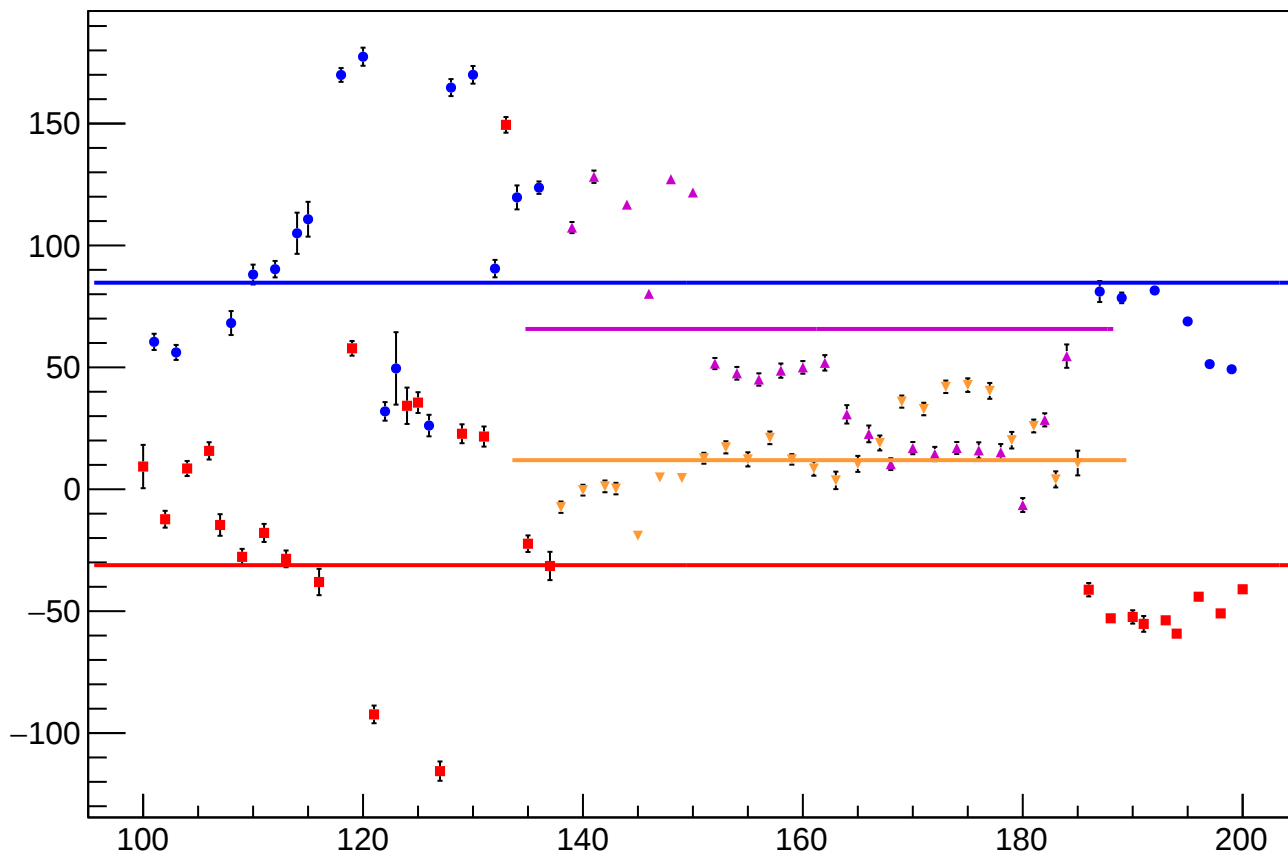
Left In: 858.563 $\pm$ 0.147 χ^2 /NDF: 239019.8/22

+ sign 735.299 $\pm$ 0.098 χ^2 /NDF: 1717399.5/47

All: 730.199 $\pm$ 0.068 χ^2 /NDF: 3463535.8/98

- sign 725.447 $\pm$ 0.095 χ^2 /NDF: 1740908.7/50

diff_bpm1i06X_mean vs Slug



Right In: 84.723 ± 0.608 χ^2/NDF : 4192.0/22

Left Out: 11.938 ± 0.505 χ^2/NDF : 976.6/24

Right Out: -31.130 ± 0.540 χ^2/NDF : 6745.3/27

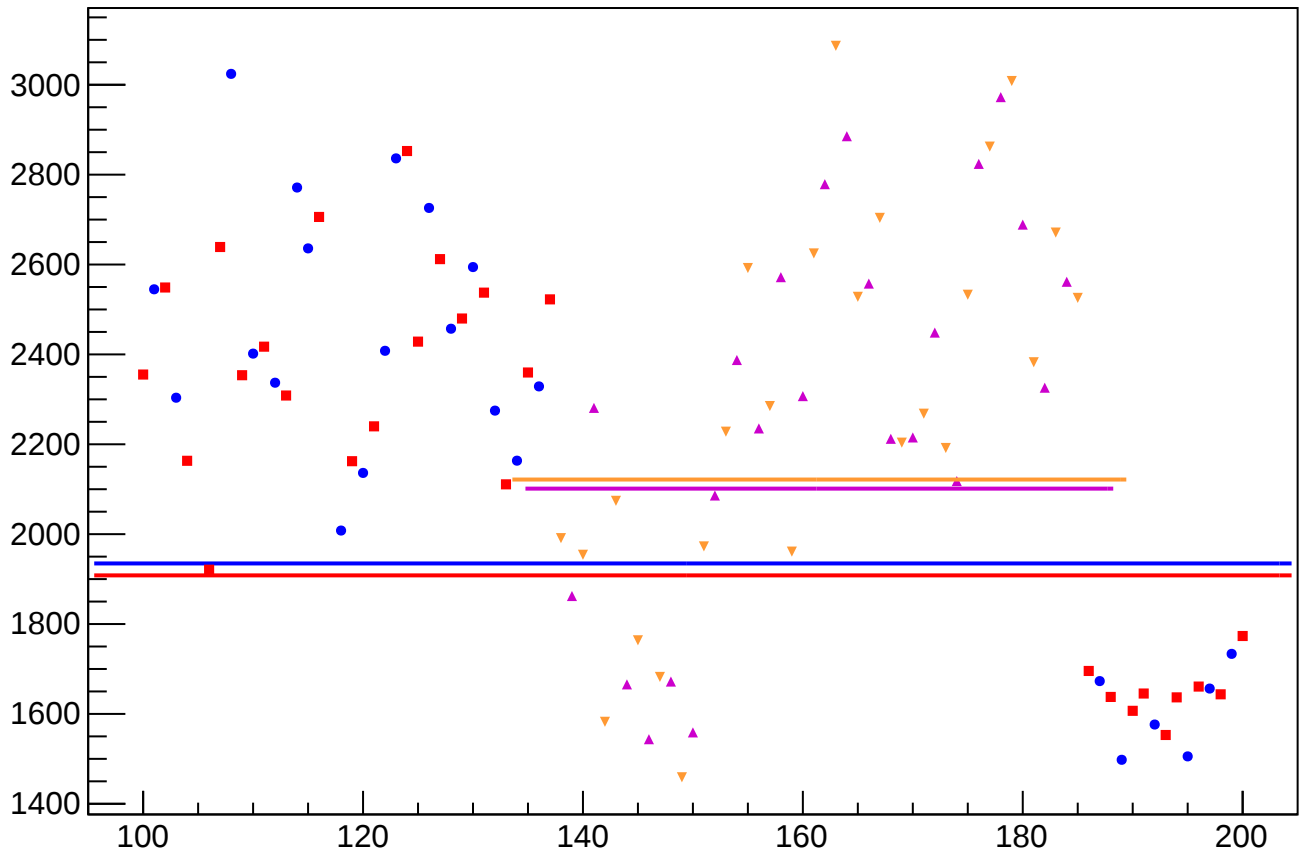
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 41.658 ± 0.389 χ^2/NDF : 13640.1/47

All: 30.063 ± 0.269 χ^2/NDF : 46208.9/98

- sign 19.347 ± 0.374 χ^2/NDF : 30856.6/50

diff_bpm1i06X_rms vs Slug



Right In: 1934.833+/-0.430 χ^2/NDF : 955124.3/22

Left Out: 2121.567+/-0.357 χ^2/NDF :1387847.6/24

Right Out: 1908.278+/-0.382 χ^2/NDF : 904444.0/27

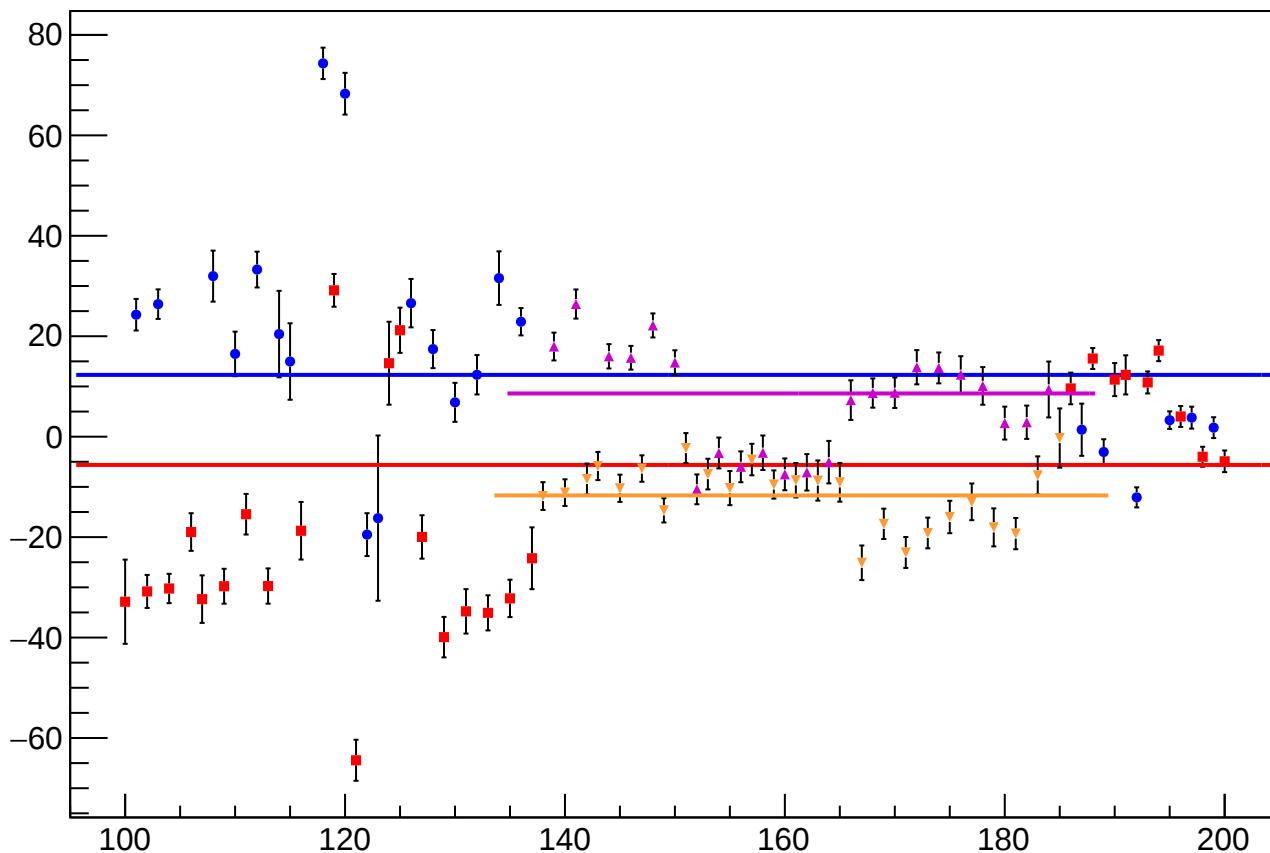
Left In: 2101.325+/-0.366 χ^2/NDF :1360518.3/22

+ sign 2045.320+/-0.275 χ^2/NDF : 2454490.5/47

All: 2026.371+/-0.190 χ^2/NDF : 4861813.7/98

- sign 2008.859+/-0.264 χ^2/NDF : 2398177.3/50

diff_bpm1i06Y_mean vs Slug



Right In: 12.304 ± 0.665 χ^2/NDF : 1021.5/22

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -5.629 ± 0.600 χ^2/NDF : 1281.4/27

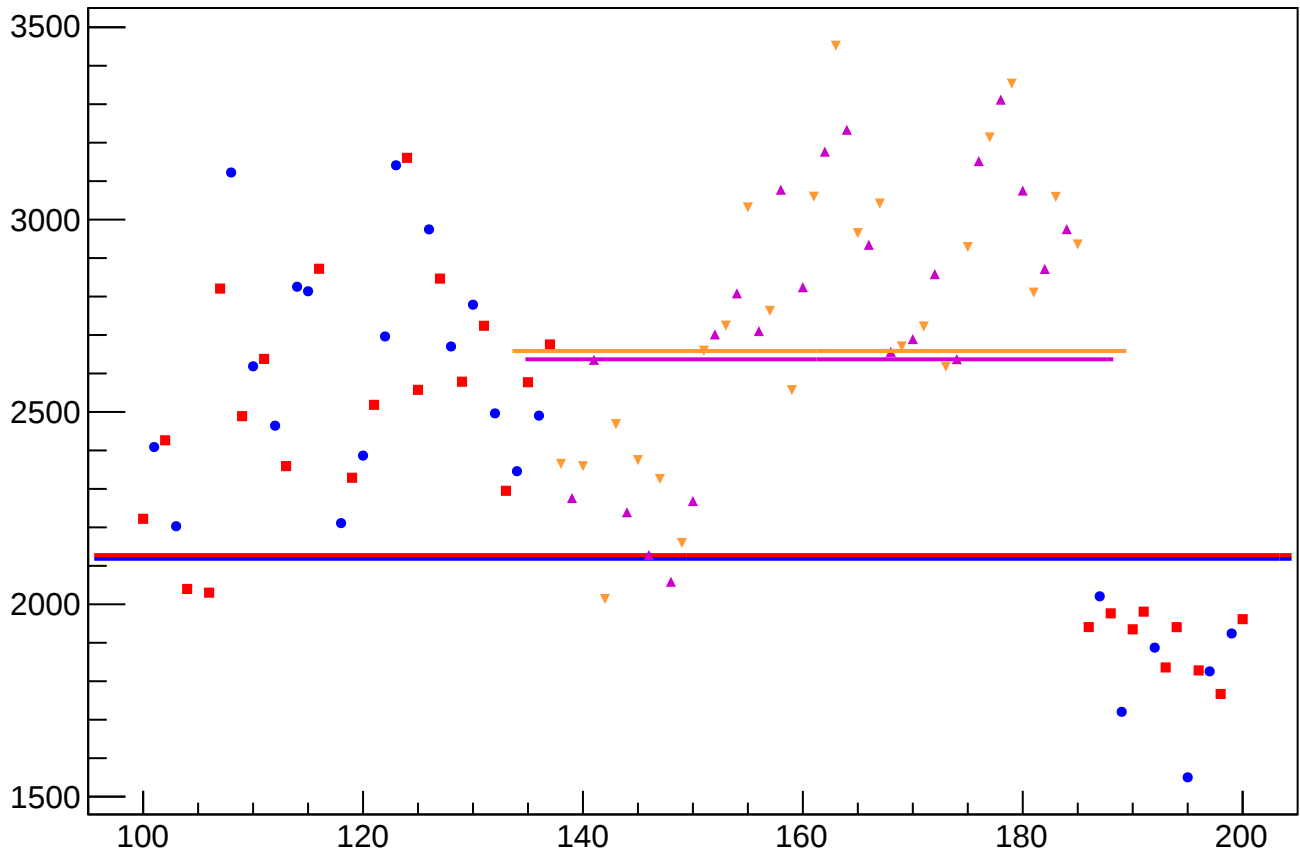
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.436 ± 0.456 χ^2/NDF : 1797.7/47

All: 0.311 ± 0.316 χ^2/NDF : 3611.2/98

- sign 1.003 ± 0.438 χ^2/NDF : 1808.3/50

diff_bpm1i06Y_rms vs Slug



Right In: 2118.385 $\pm$ 0.470 χ^2 /NDF: 788964.1/22

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2127.954 $\pm$ 0.424 χ^2 /NDF: 598264.9/27

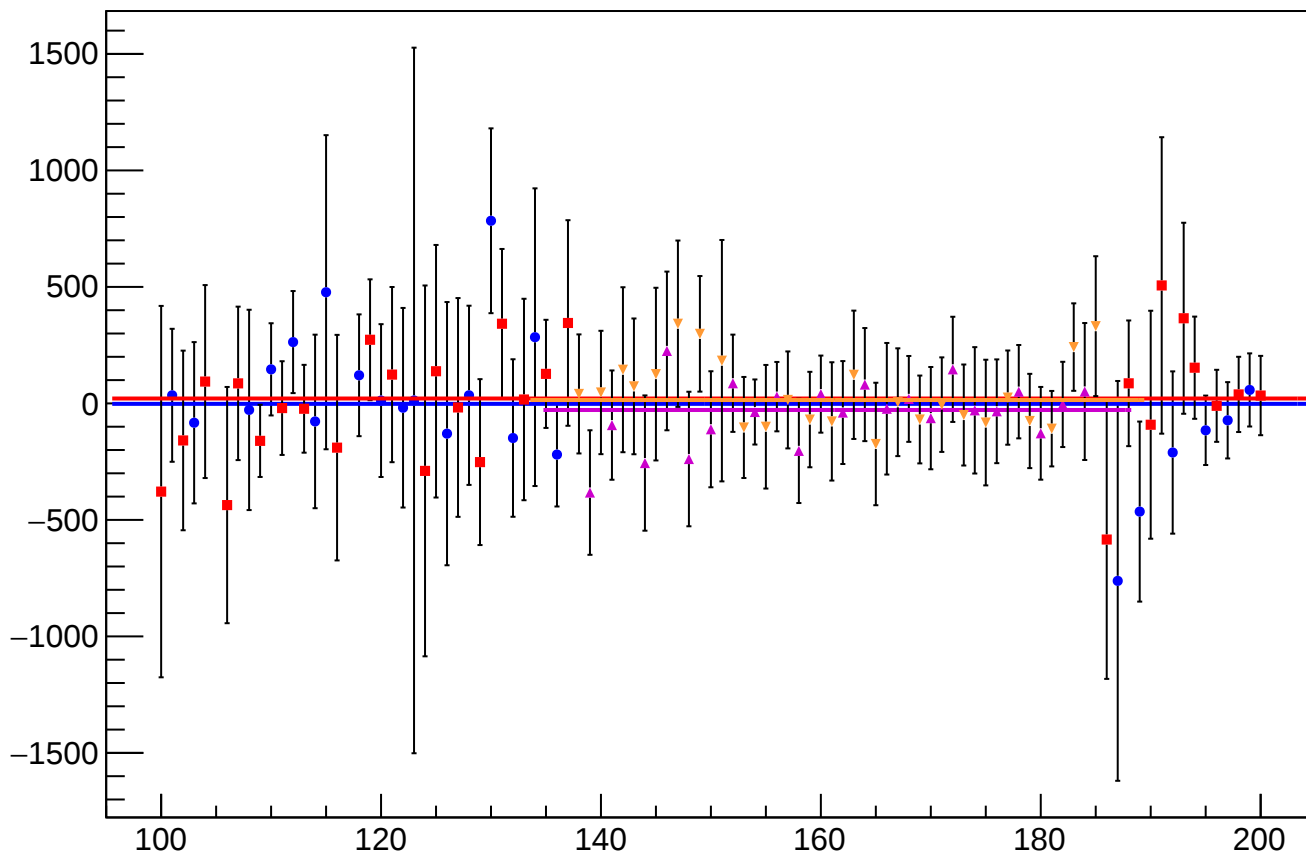
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2405.054 $\pm$ 0.322 χ^2 /NDF: 2106923.6/47

All: 2384.268 $\pm$ 0.223 χ^2 /NDF: 4037561.4/98

- sign 2365.049 $\pm$ 0.310 χ^2 /NDF: 1922627.4/50

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -1.902 ± 57.882 χ^2/NDF : 11.7/22

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 21.015 ± 52.075 χ^2/NDF : 9.4/27

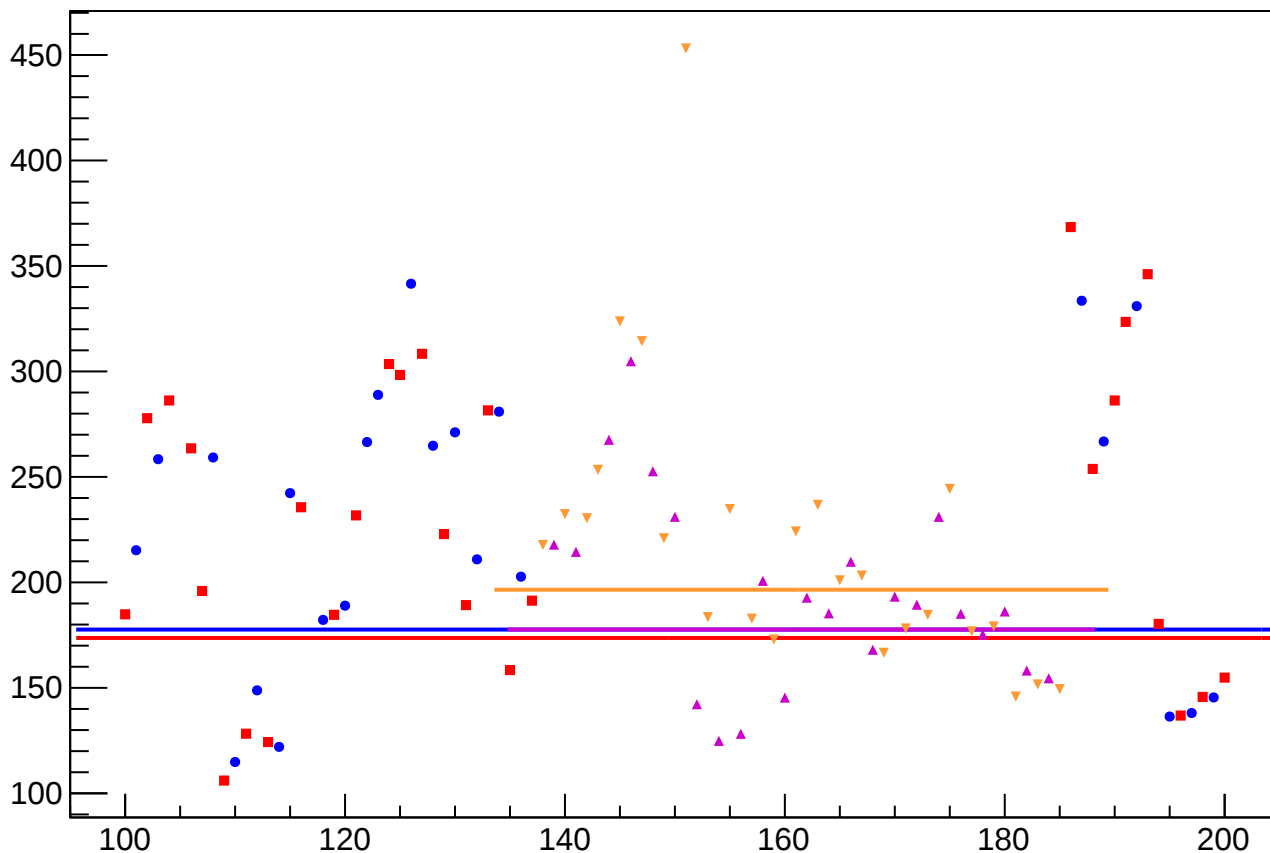
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign 7.907 ± 36.732 χ^2/NDF : 19.5/47

All: -0.371 ± 24.908 χ^2/NDF : 35.8/98

- sign -7.418 ± 33.891 χ^2/NDF : 16.2/50

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 177.637 $\pm$ 0.041 χ^2/NDF : 2007965.7/22

Left Out: 196.514 $\pm$ 0.034 χ^2/NDF : 1789504.4/24

Right Out: 173.656 $\pm$ 0.037 χ^2/NDF : 2731698.8/27

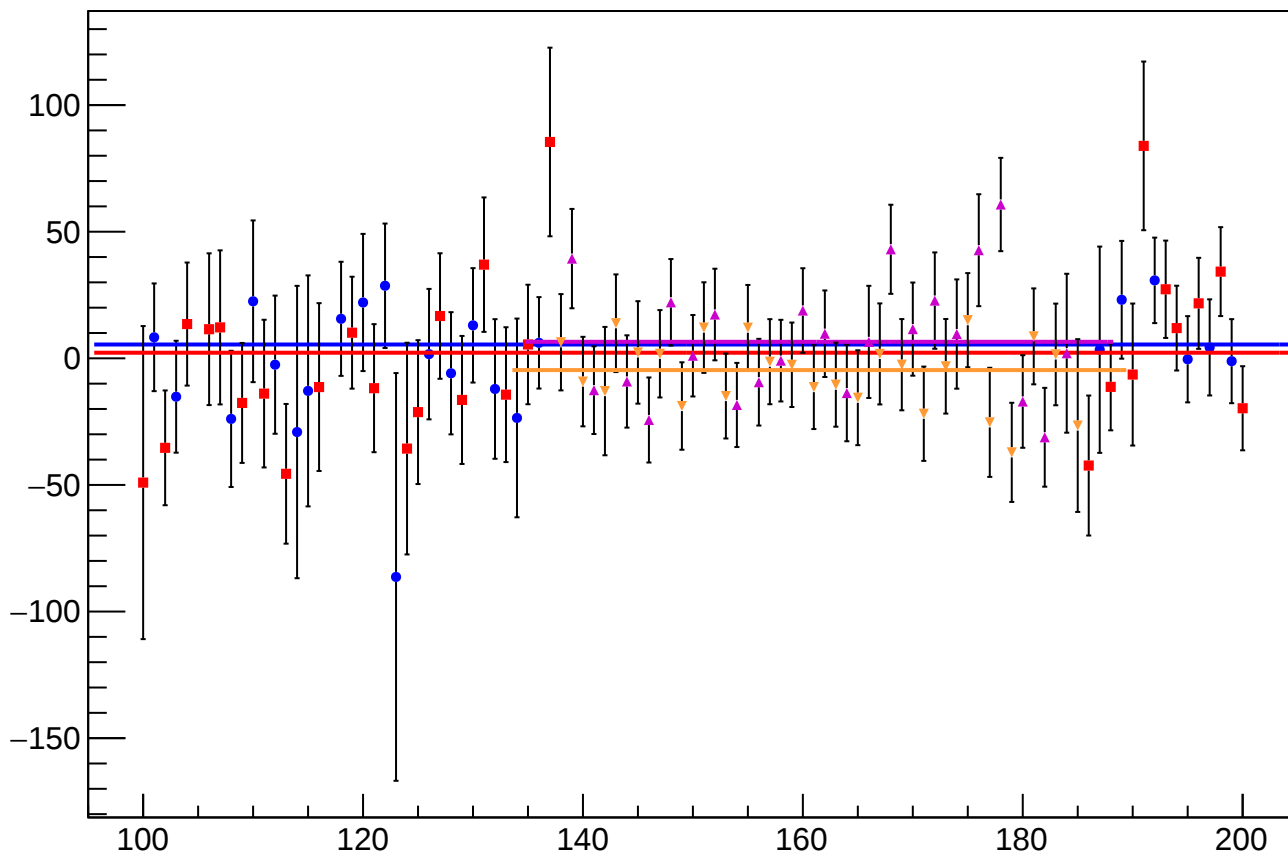
Left In: 177.643 $\pm$ 0.032 χ^2/NDF : 1630664.5/22

+ sign 188.912 $\pm$ 0.026 χ^2/NDF : 3924530.0/47

All: 181.913 $\pm$ 0.018 χ^2/NDF : 8428081.0/98

- sign 175.955 $\pm$ 0.024 χ^2/NDF : 4369120.9/50

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.457 ± 5.004 χ^2/NDF : 10.2/22

Left Out: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: 2.211 ± 4.547 χ^2/NDF : 35.6/27

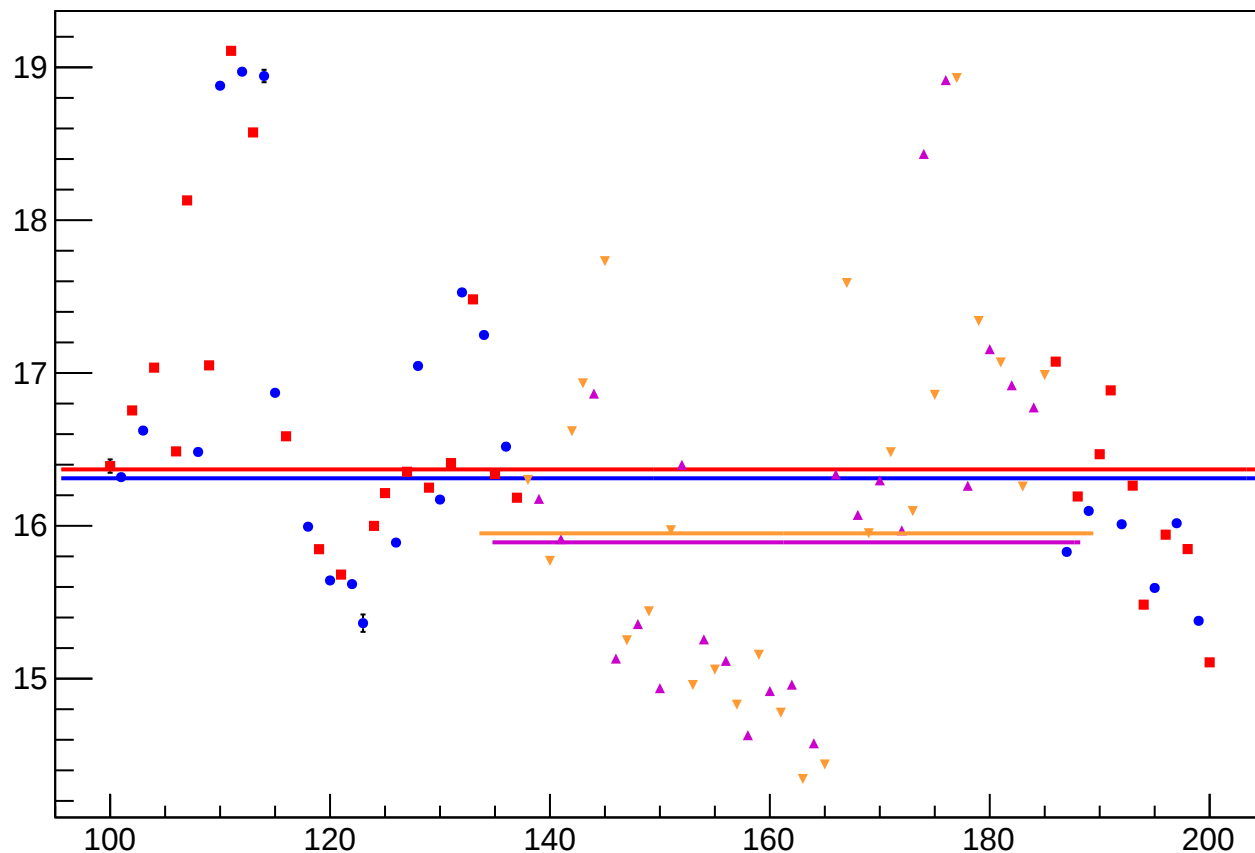
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -1.041 ± 2.990 χ^2/NDF : 24.8/47

All: 1.908 ± 2.092 χ^2/NDF : 99.3/98

- sign 4.736 ± 2.928 χ^2/NDF : 72.5/50

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.311 $\pm$ 0.004 χ^2 /NDF: 59582.3/22

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF: 173458.5/24

Right Out: 16.369 $\pm$ 0.003 χ^2 /NDF: 69513.4/27

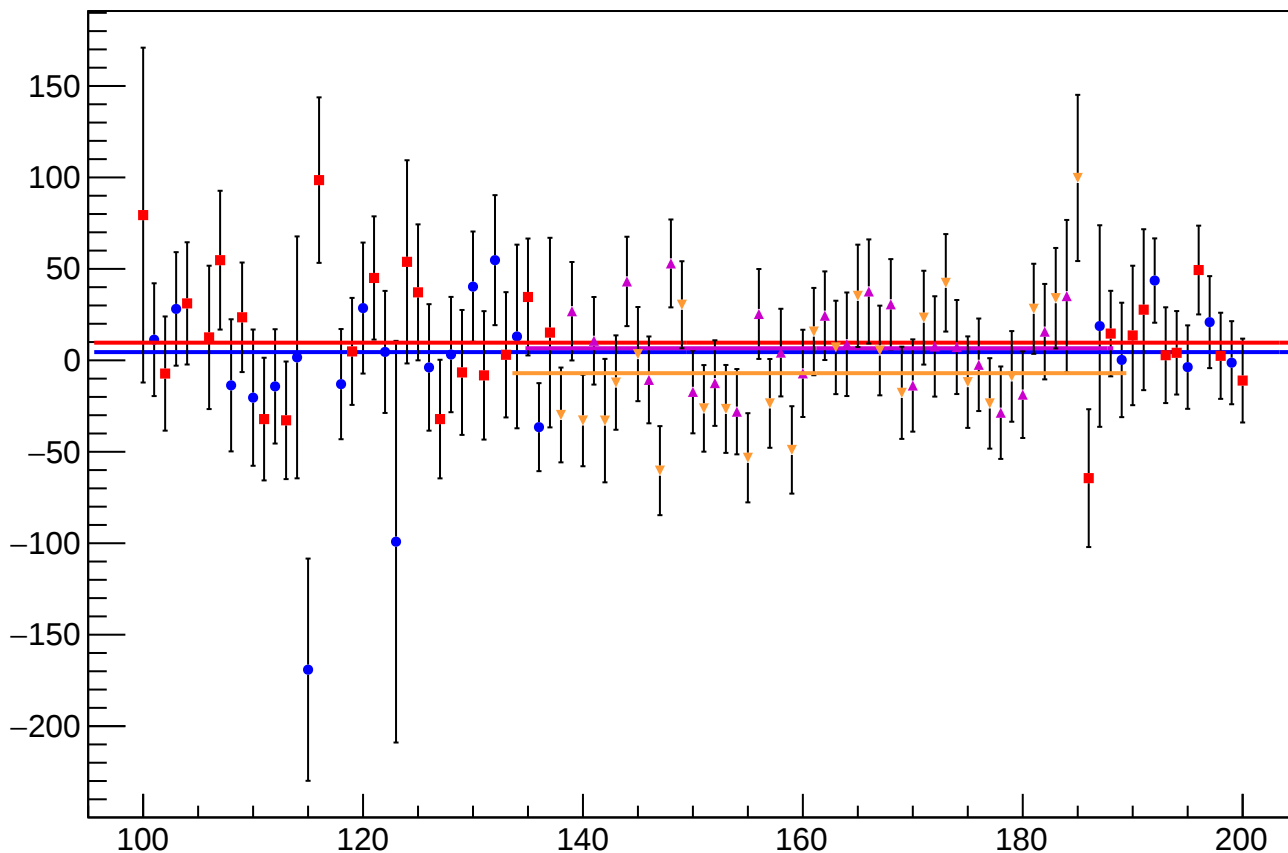
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.079 $\pm$ 0.002 χ^2 /NDF: 239709.8/47

All: 16.085 $\pm$ 0.001 χ^2 /NDF: 469229.7/98

- sign 16.090 $\pm$ 0.002 χ^2 /NDF: 229507.3/50

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.504 ± 6.667 χ^2/NDF : 21.5/22

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 9.658 ± 6.053 χ^2/NDF : 23.0/27

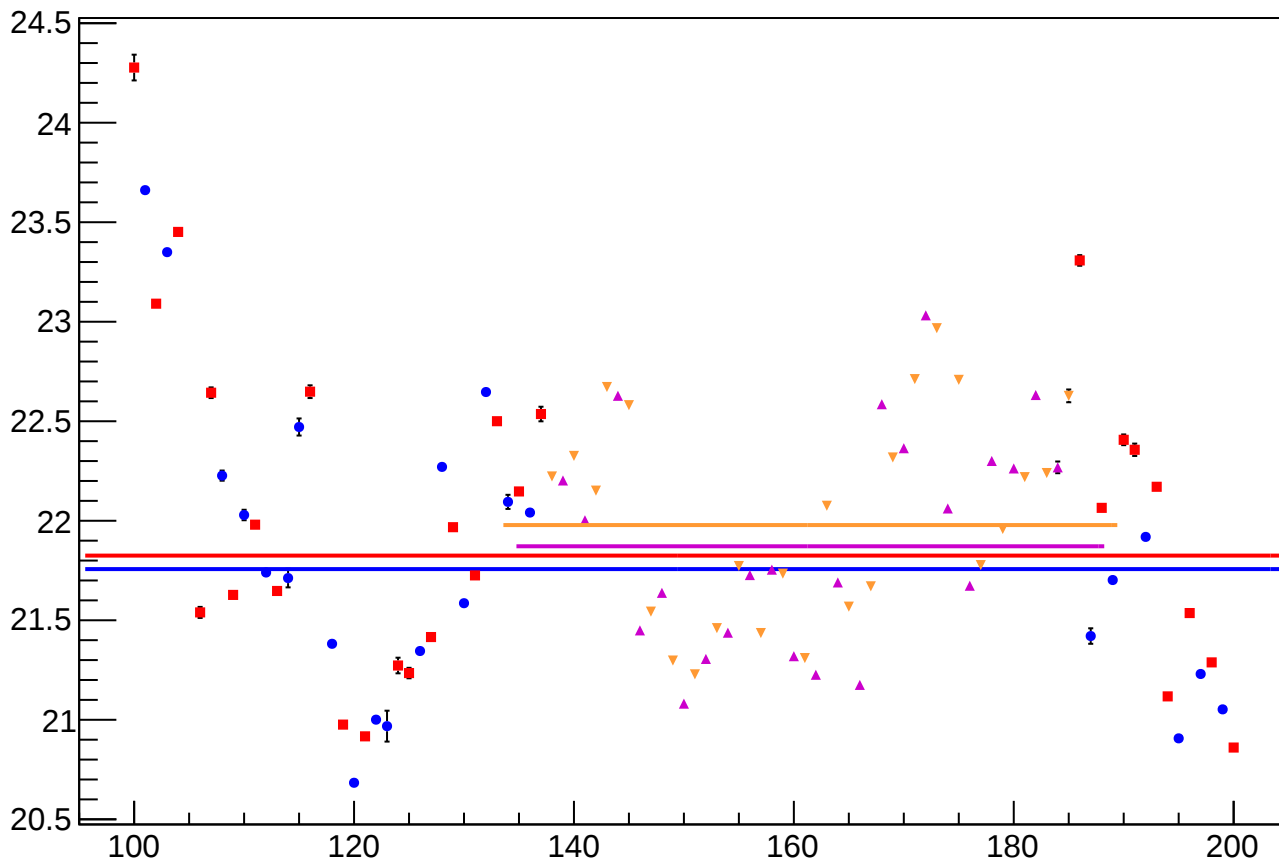
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -2.742 ± 4.061 χ^2/NDF : 60.8/47

All: 2.714 ± 2.838 χ^2/NDF : 106.6/98

- sign 7.920 ± 3.967 χ^2/NDF : 42.3/50

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.757 $\pm$ 0.005 χ^2 /NDF: 25118.2/22

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF:19430.2/24

Right Out: 21.825 $\pm$ 0.004 χ^2 /NDF: 28117.4/27

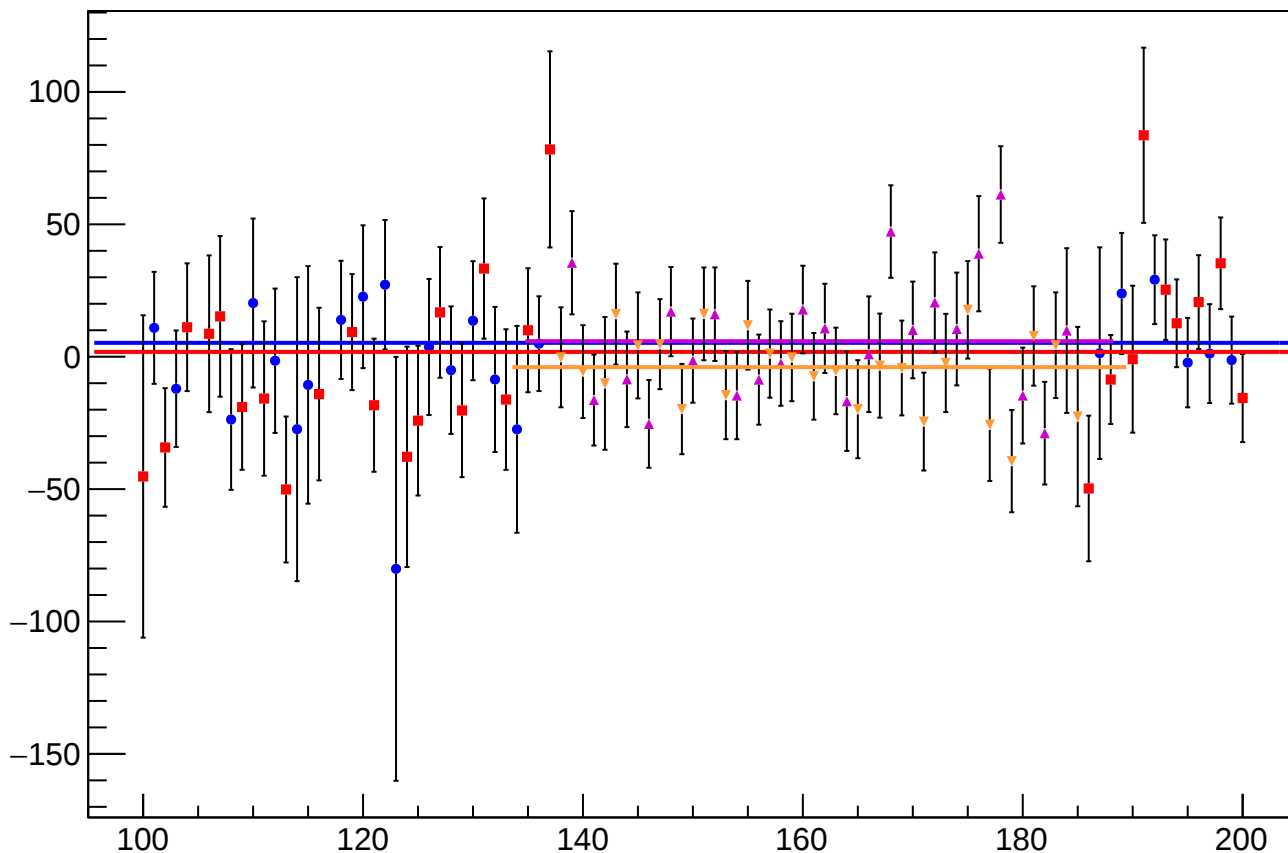
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.896 $\pm$ 0.003 χ^2 /NDF: 45933.6/47

All: 21.873 $\pm$ 0.002 χ^2 /NDF: 94767.7/98

- sign 21.852 $\pm$ 0.003 χ^2 /NDF: 48710.6/50

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.246 $\pm$ 4.966 χ^2 /NDF: 9.5/22

Left Out: -3.927 $\pm$ 3.688 χ^2 /NDF:14.0/24

Right Out: 1.819 $\pm$ 4.510 χ^2 /NDF: 36.4/27

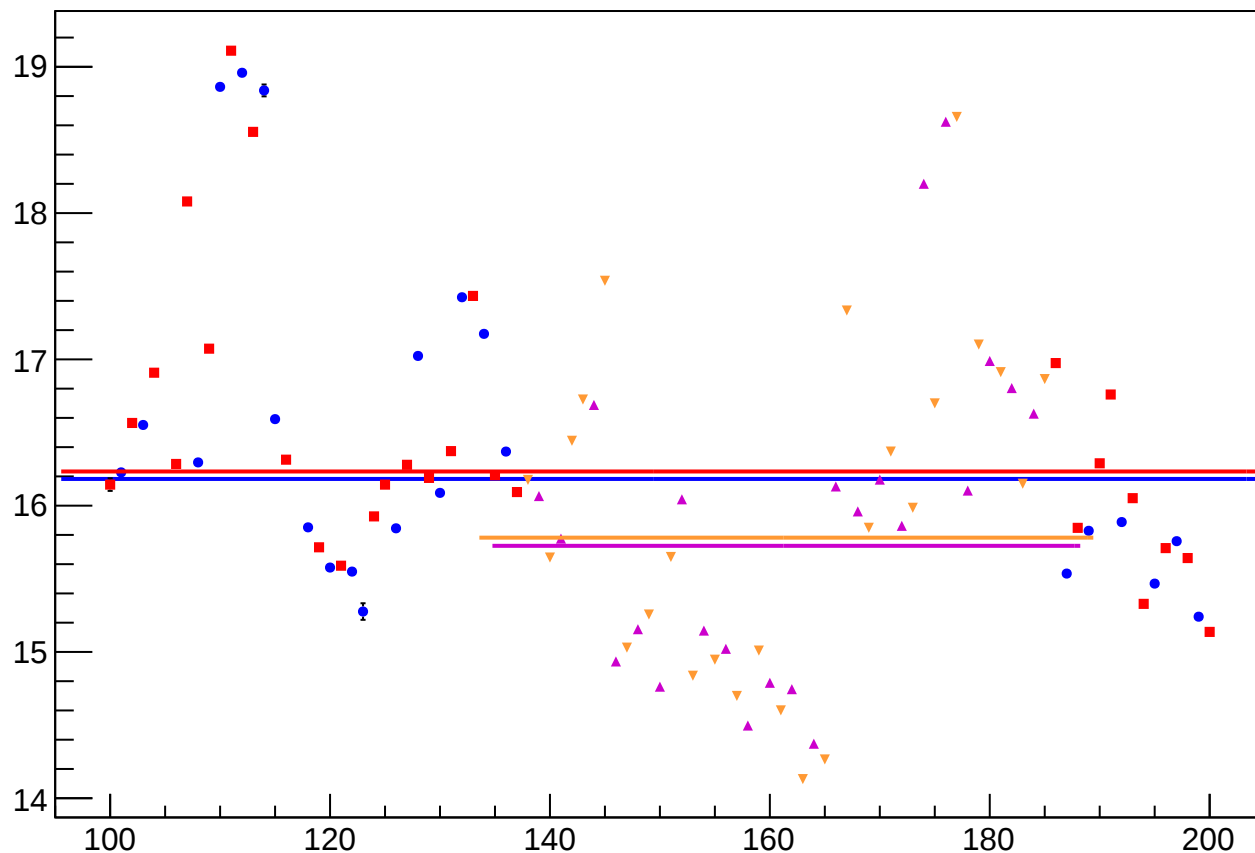
Left In: 5.861 $\pm$ 3.787 χ^2 /NDF:36.2/22

+ sign -0.666 $\pm$ 2.961 χ^2 /NDF: 25.7/47

All: 1.812 $\pm$ 2.072 χ^2 /NDF: 100.1/98

- sign 4.190 $\pm$ 2.900 χ^2 /NDF: 73.0/50

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.183 $\pm$ 0.004 χ^2 /NDF: 64208.1/22

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF: 172894.3/24

Right Out: 16.234 $\pm$ 0.003 χ^2 /NDF: 74289.2/27

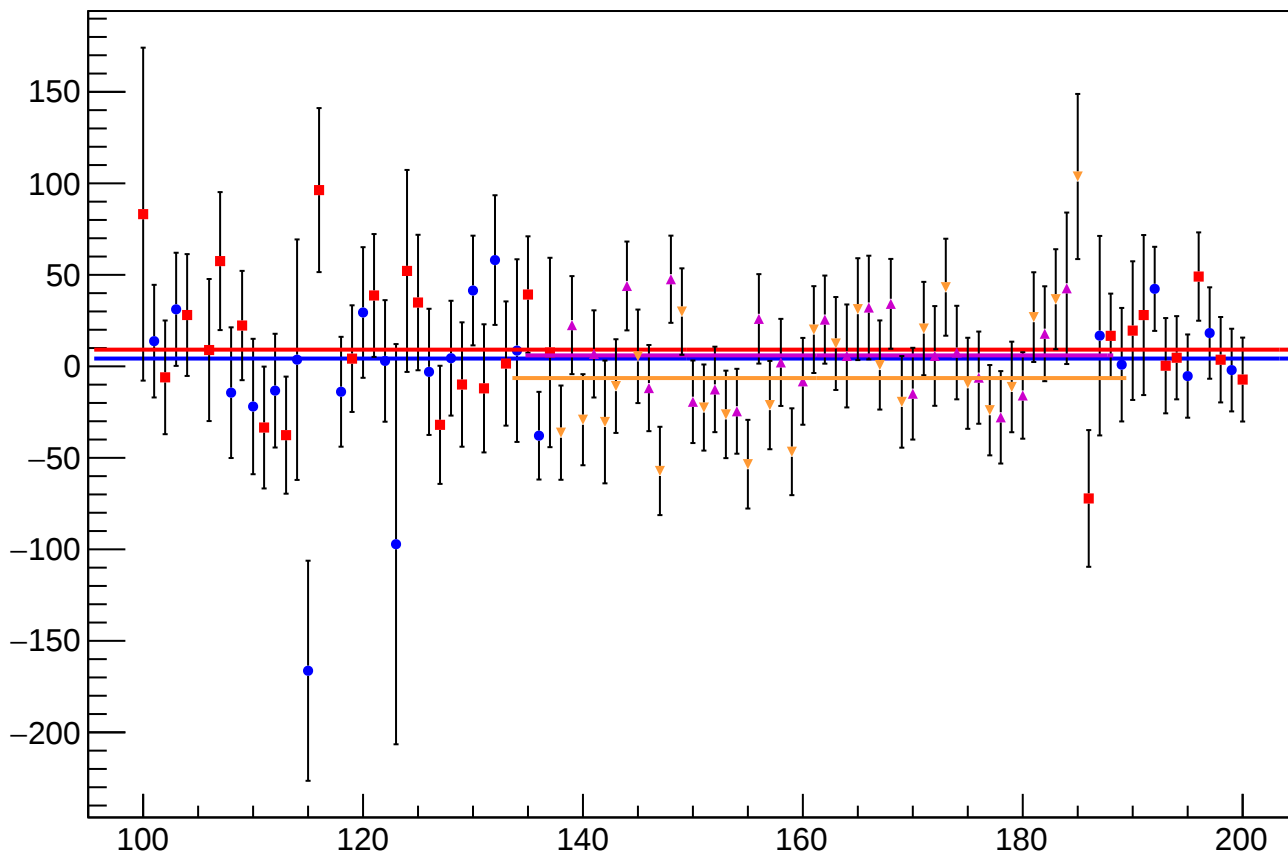
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

+ sign 15.924 $\pm$ 0.002 χ^2 /NDF: 245521.2/47

All: 15.930 $\pm$ 0.001 χ^2 /NDF: 480554.4/98

- sign 15.936 $\pm$ 0.002 χ^2 /NDF: 235017.5/50

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.257 ± 6.634 χ^2/NDF : 22.1/22

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 9.130 ± 6.019 χ^2/NDF : 24.3/27

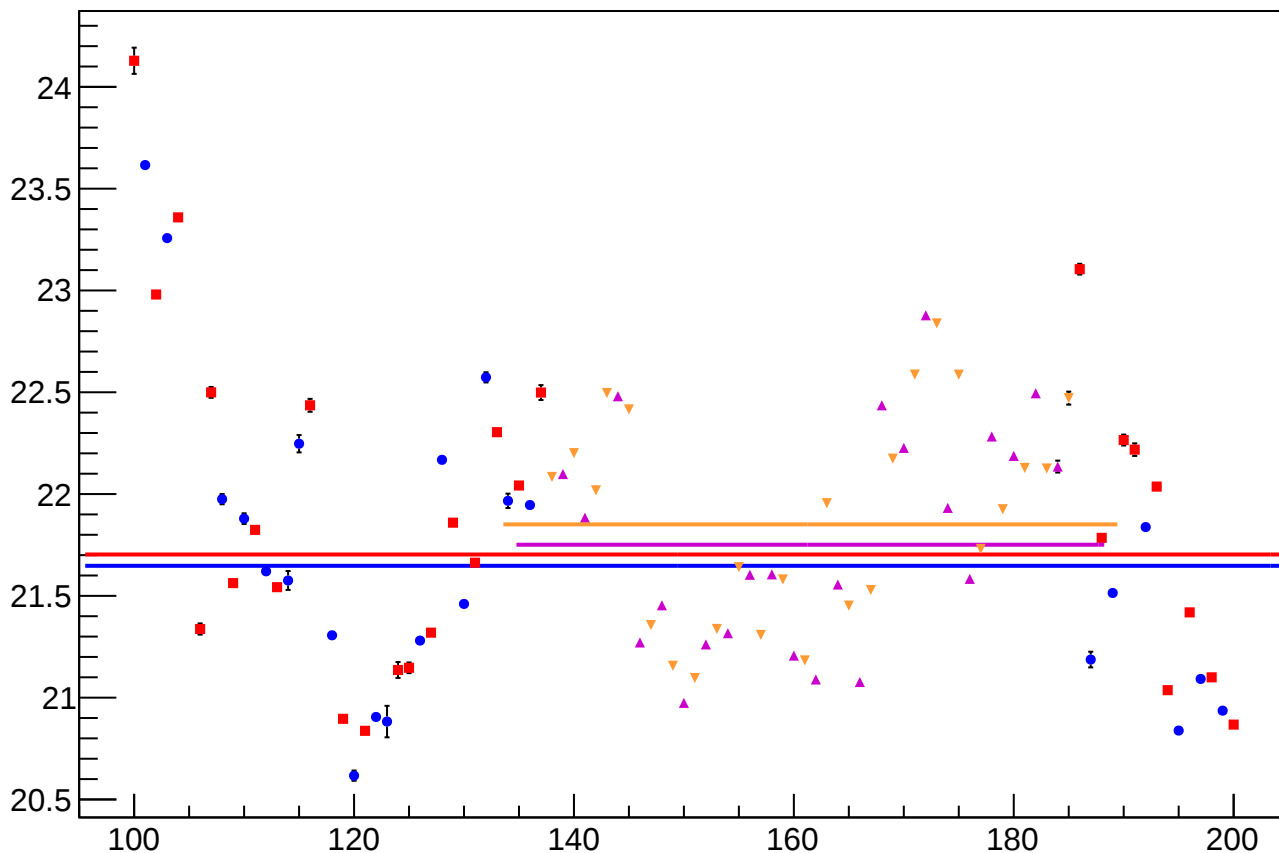
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -2.452 ± 4.039 χ^2/NDF : 61.1/47

All: 2.555 ± 2.822 χ^2/NDF : 107.1/98

- sign 7.332 ± 3.945 χ^2/NDF : 43.0/50

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.648 $\pm$ 0.005 χ^2 /NDF: 25516.4/22

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF:19631.8/24

Right Out: 21.703 $\pm$ 0.004 χ^2 /NDF: 26532.1/27

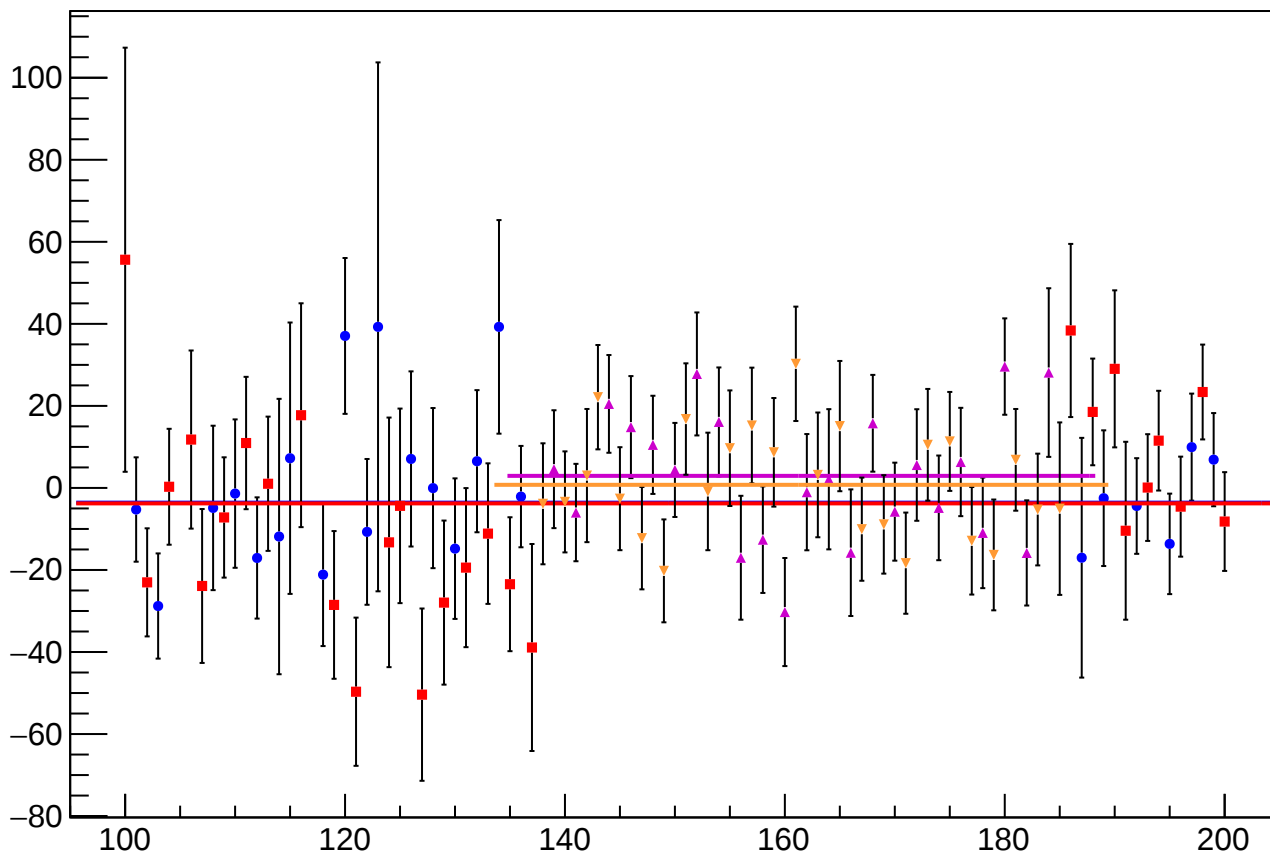
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

+ sign 21.776 $\pm$ 0.003 χ^2 /NDF: 46332.6/47

All: 21.753 $\pm$ 0.002 χ^2 /NDF: 93581.4/98

- sign 21.731 $\pm$ 0.003 χ^2 /NDF: 47121.0/50

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.585 ± 3.416 $\chi^2/\text{NDF}: 17.7/22$

Left Out: 0.759 ± 2.698 $\chi^2/\text{NDF}: 23.8/24$

Right Out: -3.771 ± 3.137 $\chi^2/\text{NDF}: 43.2/27$

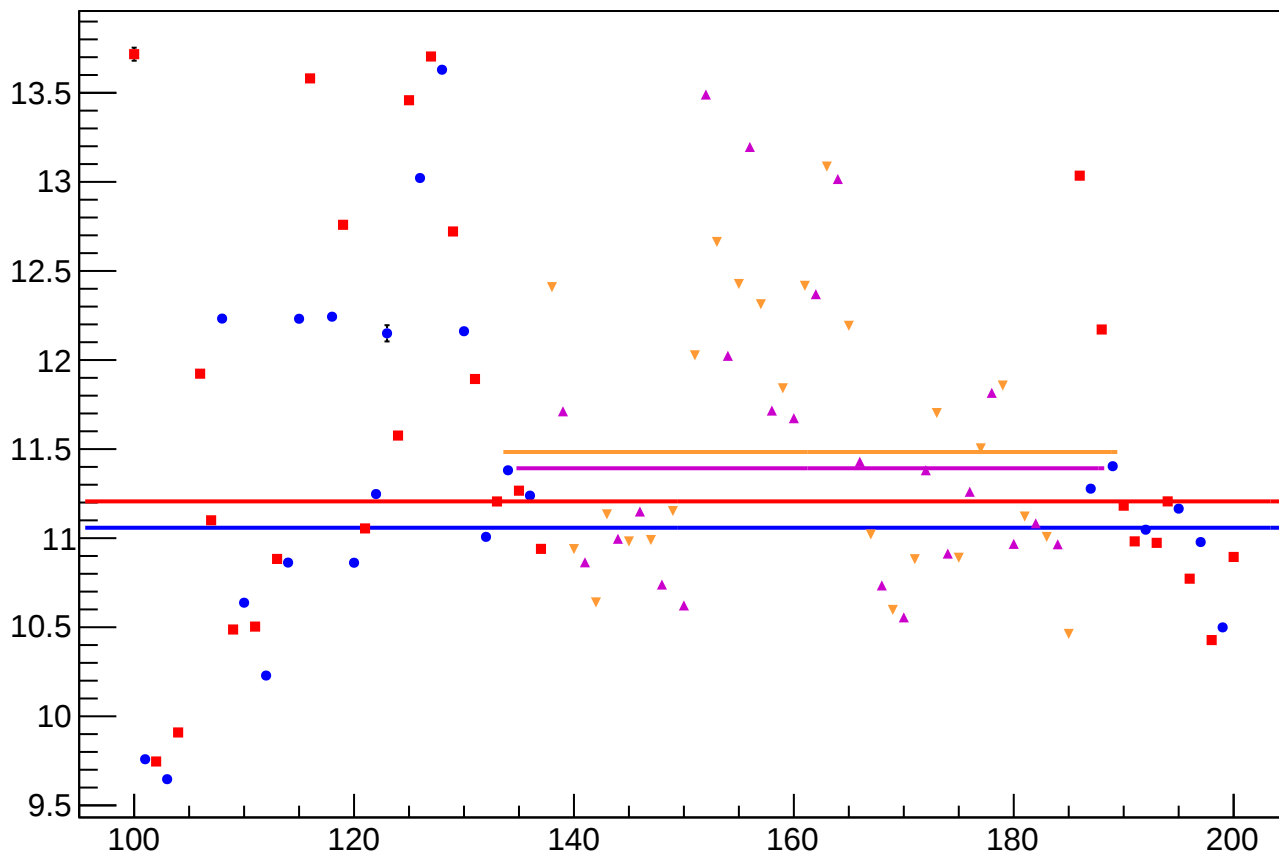
Left In: 2.944 ± 2.757 $\chi^2/\text{NDF}: 30.9/22$

+ sign -0.910 ± 2.117 $\chi^2/\text{NDF}: 42.5/47$

All: -0.436 ± 1.481 $\chi^2/\text{NDF}: 119.3/98$

- sign 0.017 ± 2.071 $\chi^2/\text{NDF}: 76.7/50$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.058 $\pm$ 0.002 χ^2 /NDF: 138922.8/22

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 11.206 $\pm$ 0.002 χ^2 /NDF: 188601.4/27

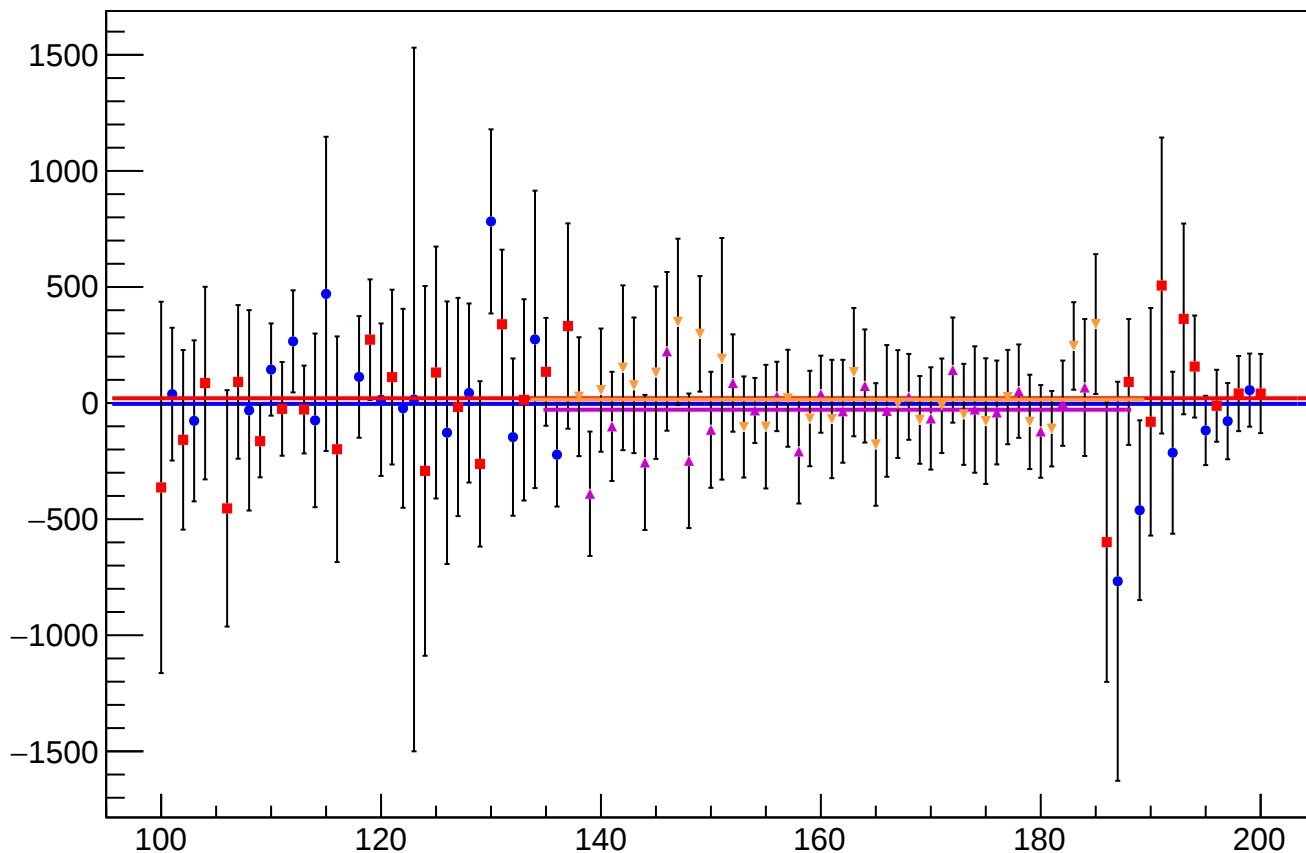
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.320 $\pm$ 0.001 χ^2 /NDF: 287813.8/47

All: 11.316 $\pm$ 0.001 χ^2 /NDF: 630891.2/98

- sign 11.311 $\pm$ 0.001 χ^2 /NDF: 343059.0/50

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -3.366 ± 58.032 χ^2/NDF : 11.7/22

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 20.776 ± 52.219 χ^2/NDF : 9.6/27

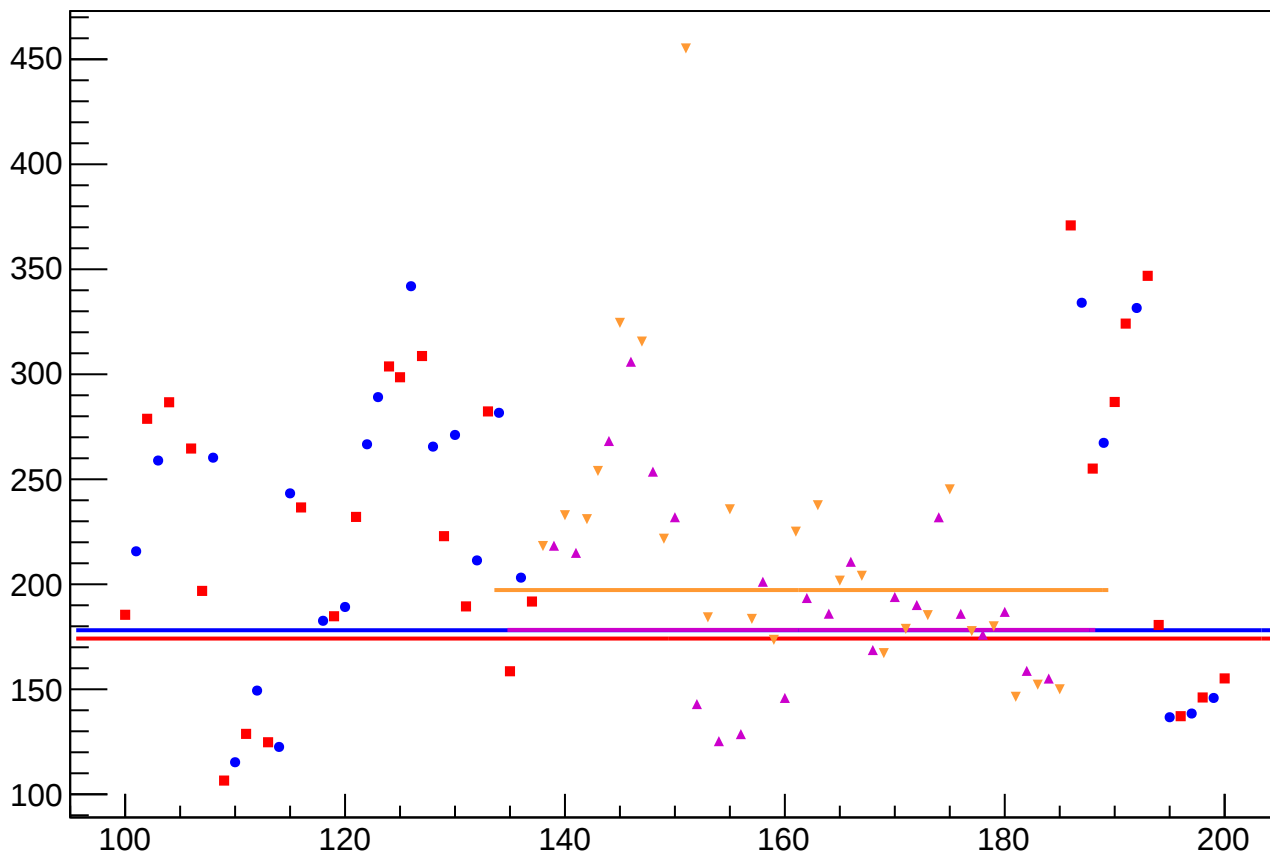
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign 7.671 ± 36.852 χ^2/NDF : 19.7/47

All: -0.583 ± 24.989 χ^2/NDF : 36.3/98

- sign -7.610 ± 34.000 χ^2/NDF : 16.5/50

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 178.121 $\pm$ 0.041 χ^2 /NDF: 2002547.6/22

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF: 1786808.1/24

Right Out: 174.153 $\pm$ 0.037 χ^2 /NDF: 2727554.1/27

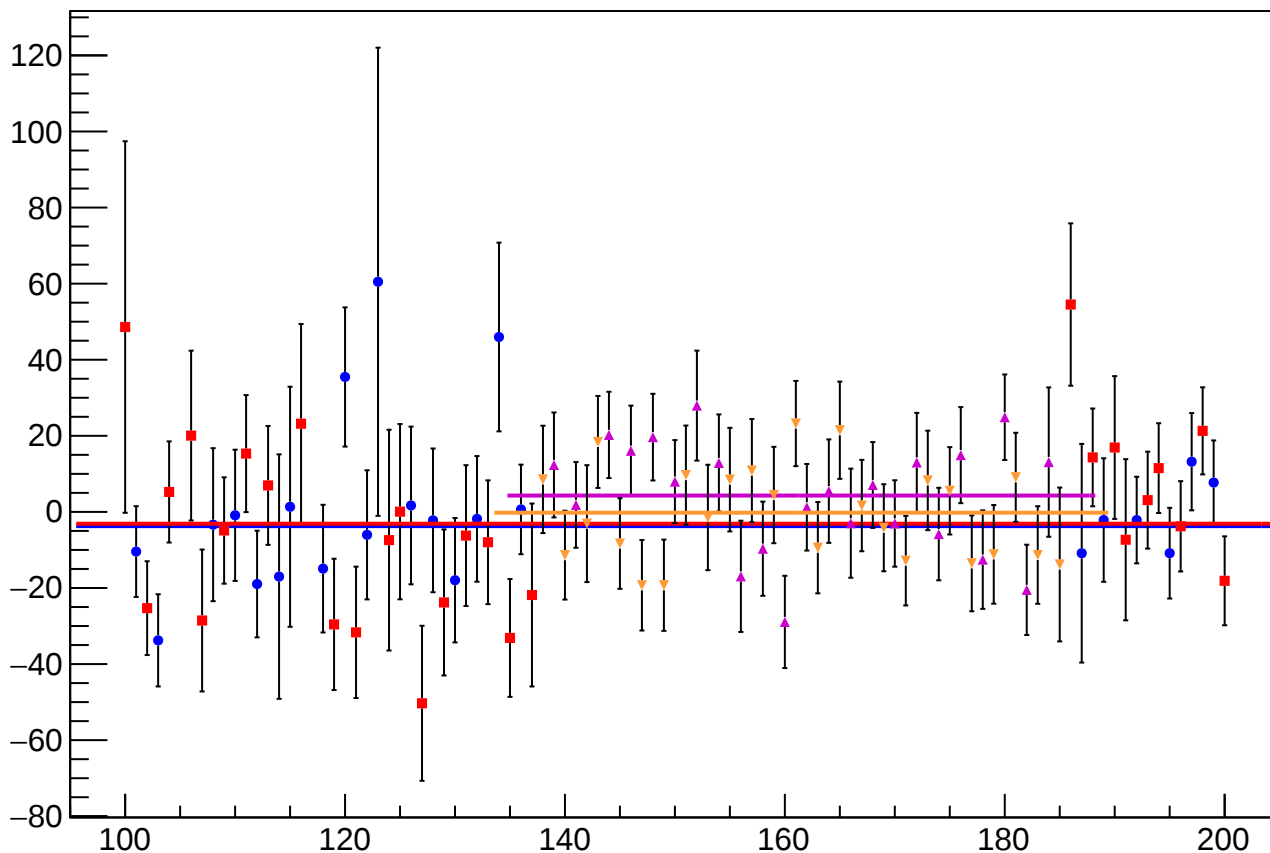
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF: 1628916.6/22

+ sign 189.536 $\pm$ 0.026 χ^2 /NDF: 3919025.8/47

All: 182.510 $\pm$ 0.018 χ^2 /NDF: 8417266.8/98

- sign 176.529 $\pm$ 0.024 χ^2 /NDF: 4363654.9/50

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -3.737 ± 3.289 χ^2/NDF : 22.3/22

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -3.105 ± 3.034 χ^2/NDF : 45.0/27

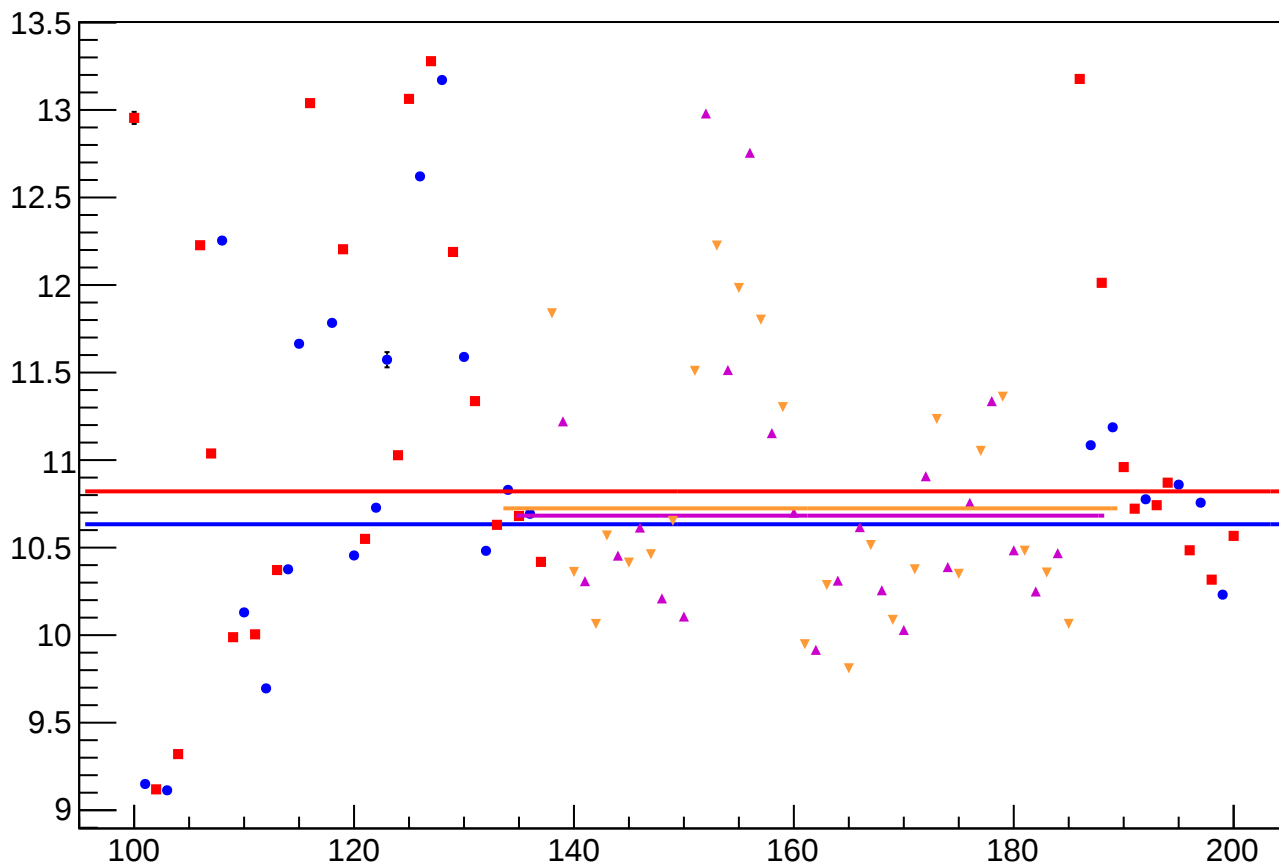
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -1.517 ± 2.002 χ^2/NDF : 47.5/47

All: -0.147 ± 1.404 χ^2/NDF : 128.5/98

- sign 1.178 ± 1.969 χ^2/NDF : 80.0/50

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.633 $\pm$ 0.002 χ^2 /NDF: 166761.7/22

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF: 132558.9/24

Right Out: 10.821 $\pm$ 0.002 χ^2 /NDF: 226804.6/27

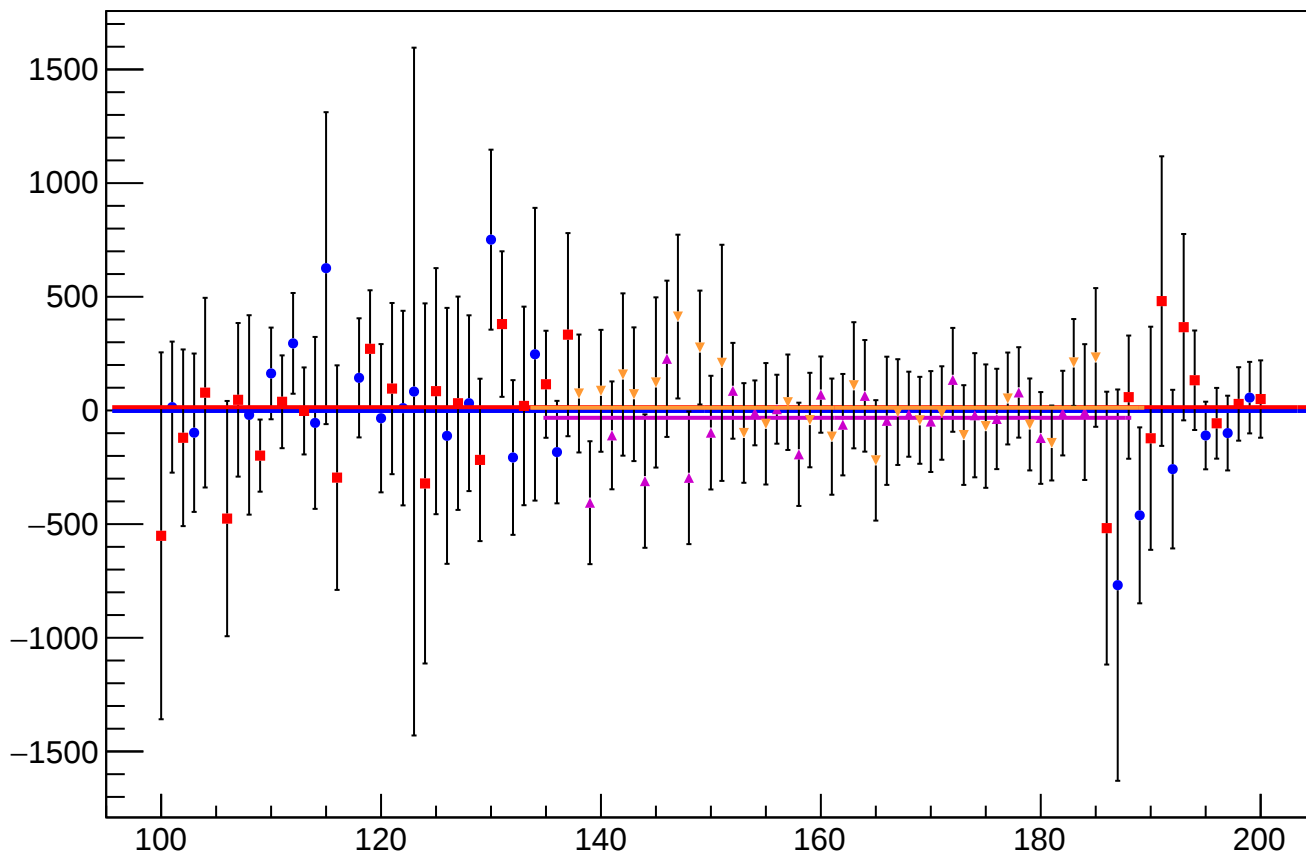
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF: 147835.6/22

+ sign 10.691 $\pm$ 0.001 χ^2 /NDF: 300278.0/47

All: 10.716 $\pm$ 0.001 χ^2 /NDF: 677978.7/98

- sign 10.741 $\pm$ 0.001 χ^2 /NDF: 377055.4/50

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -2.301 ± 58.198 χ^2/NDF : 12.3/22

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 14.383 ± 52.476 χ^2/NDF : 10.1/27

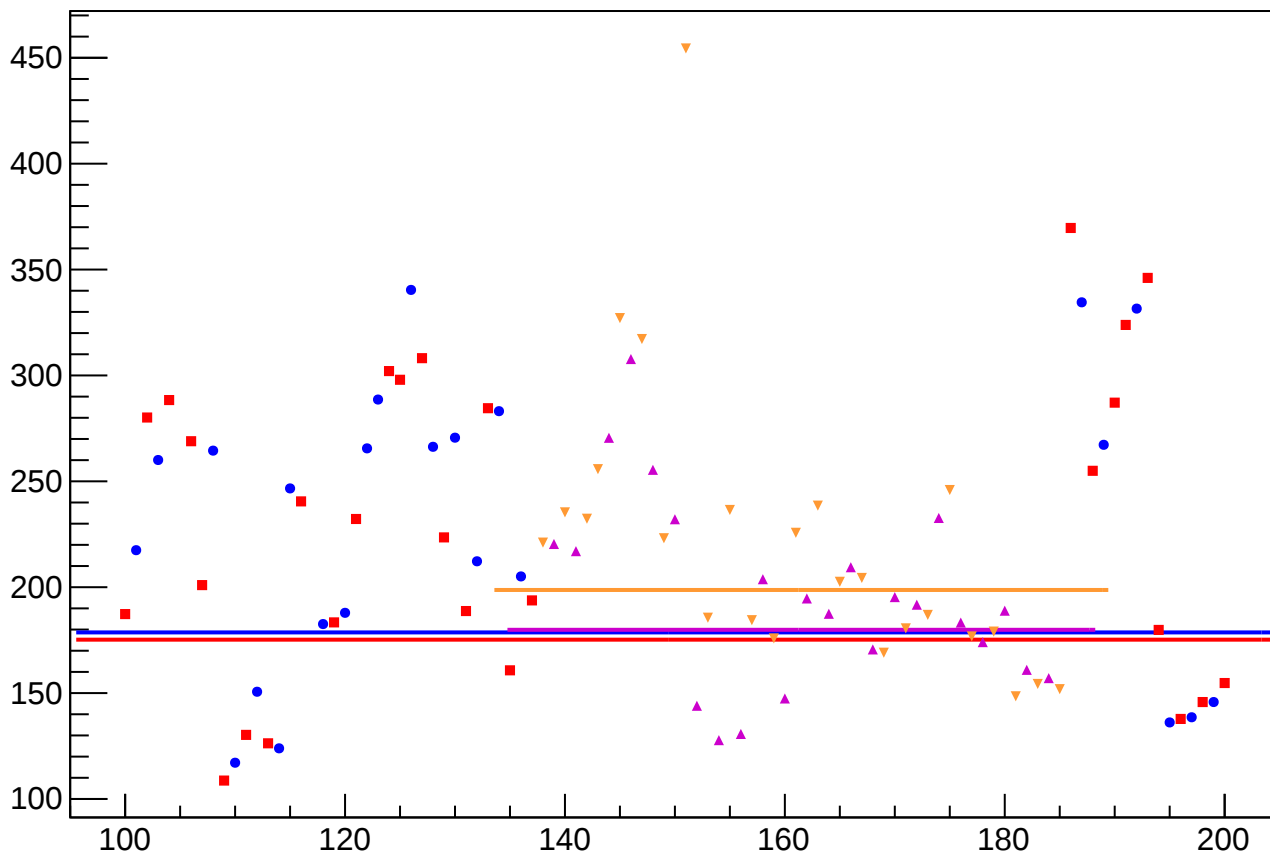
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign 6.142 ± 37.040 χ^2/NDF : 20.0/47

All: -3.916 ± 25.138 χ^2/NDF : 37.6/98

- sign -12.504 ± 34.227 χ^2/NDF : 17.5/50

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 178.655 $\pm$ 0.041 χ^2 /NDF: 1996717.3/22

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF: 1759311.9/24

Right Out: 175.228 $\pm$ 0.037 χ^2 /NDF: 2679746.4/27

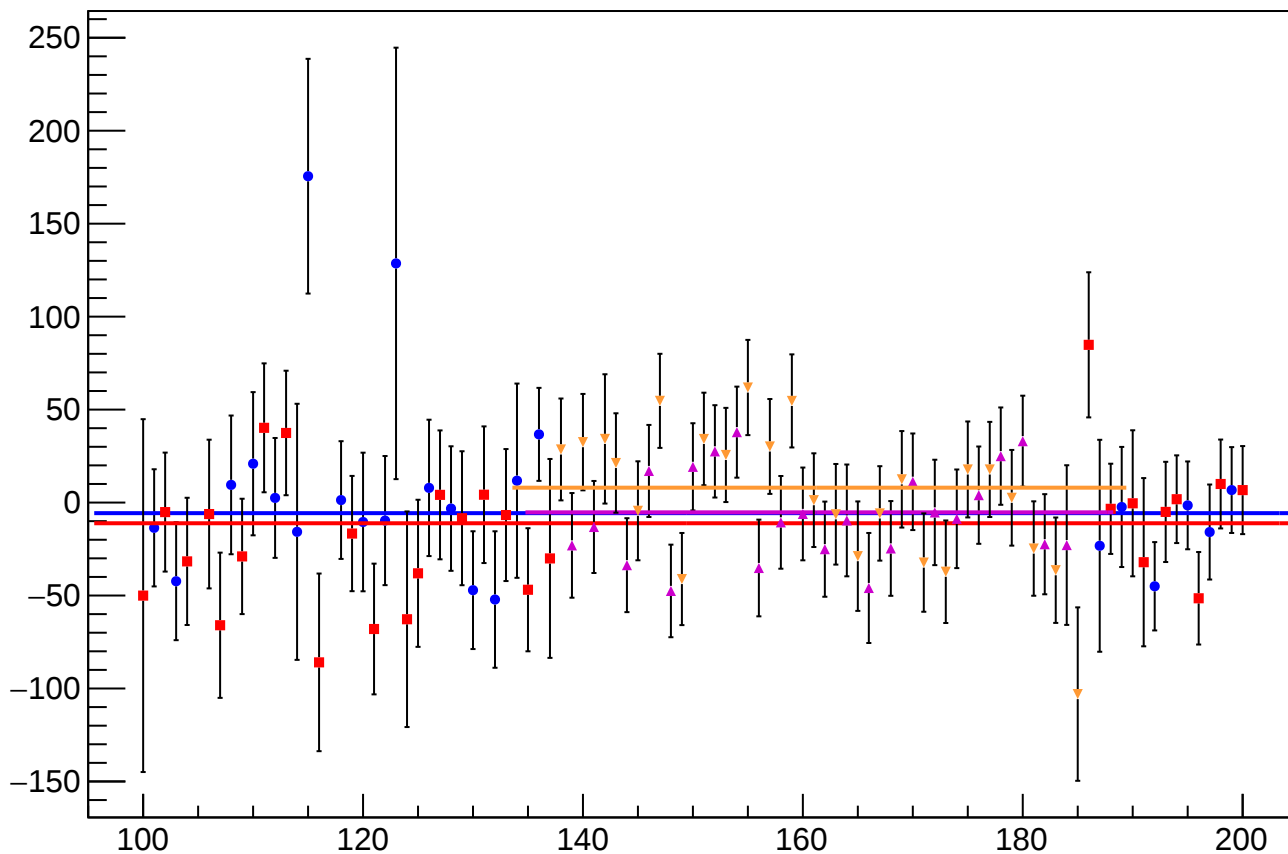
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF: 1580636.4/22

+ sign 190.577 $\pm$ 0.026 χ^2 /NDF: 3897118.1/47

All: 183.741 $\pm$ 0.018 χ^2 /NDF: 8292835.9/98

- sign 177.905 $\pm$ 0.024 χ^2 /NDF: 4269438.7/50

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.694 ± 6.898 $\chi^2/\text{NDF}: 21.5/22$

Left Out: 8.004 ± 5.334 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -11.128 ± 6.271 $\chi^2/\text{NDF}: 26.0/27$

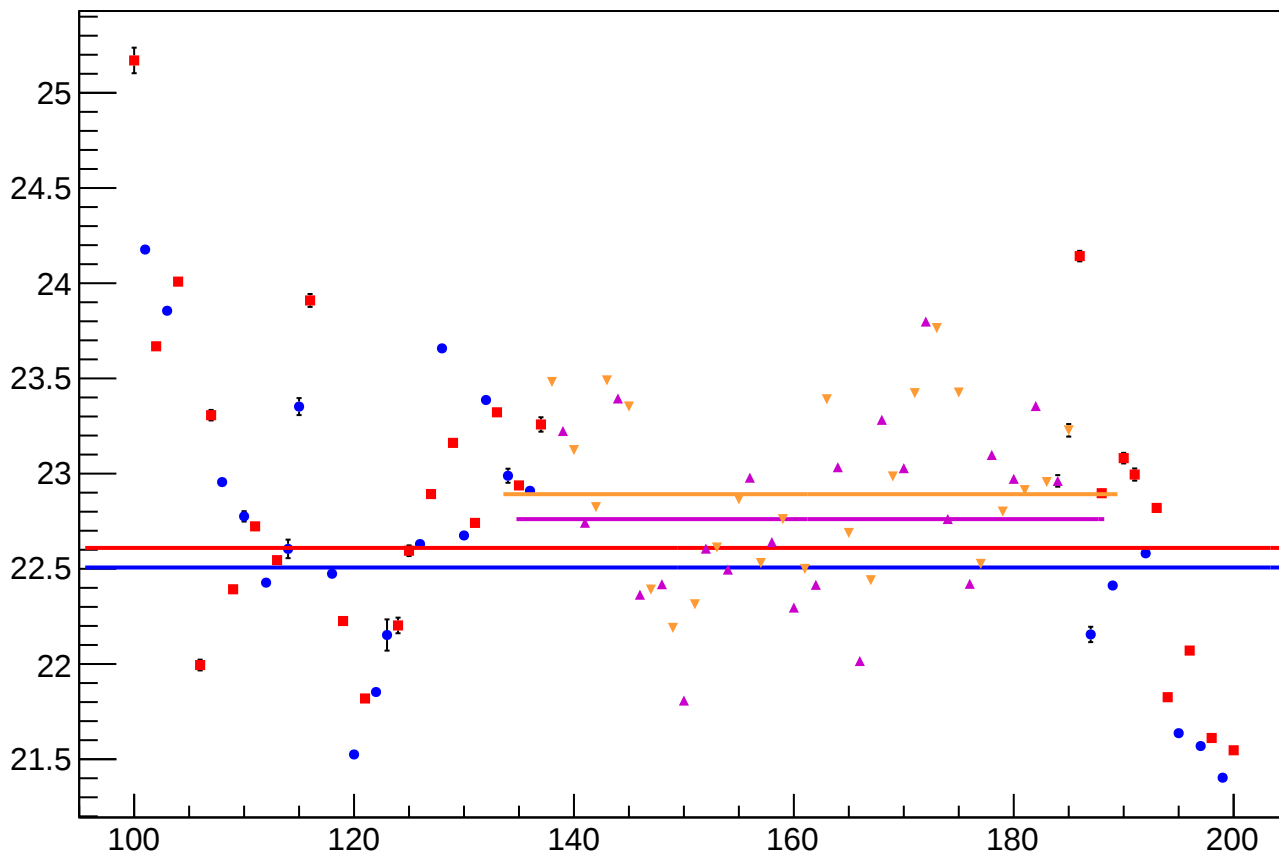
Left In: -5.261 ± 5.465 $\chi^2/\text{NDF}: 20.8/22$

+ sign 2.878 ± 4.220 $\chi^2/\text{NDF}: 61.5/47$

All: -2.585 ± 2.948 $\chi^2/\text{NDF}: 112.0/98$

- sign -7.793 ± 4.120 $\chi^2/\text{NDF}: 47.2/50$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.507 $\pm$ 0.005 χ^2 /NDF: 26490.3/22

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF:12995.5/24

Right Out: 22.610 $\pm$ 0.004 χ^2 /NDF: 27634.2/27

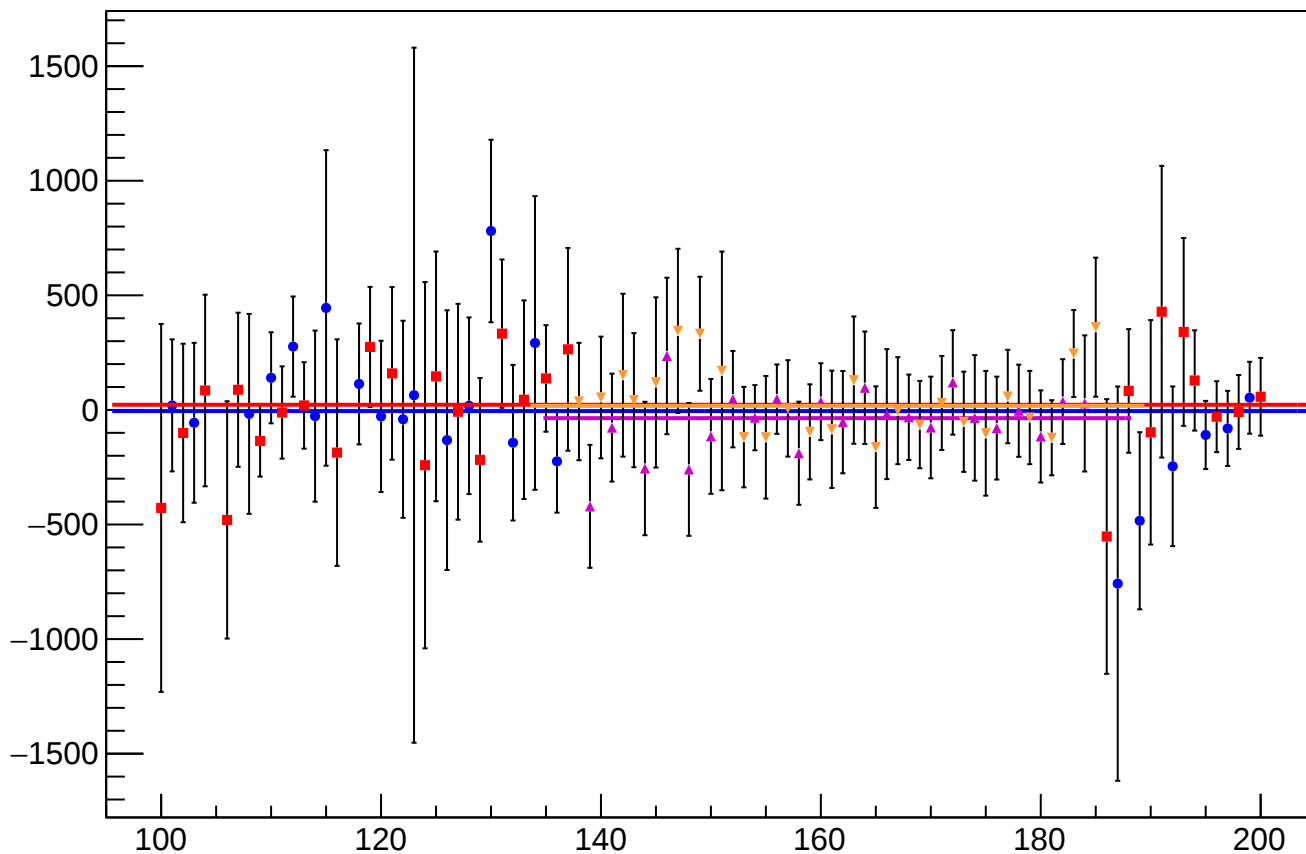
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.748 $\pm$ 0.003 χ^2 /NDF: 43385.1/47

All: 22.721 $\pm$ 0.002 χ^2 /NDF: 86386.0/98

- sign 22.696 $\pm$ 0.003 χ^2 /NDF: 42844.6/50

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -5.093 ± 58.021 χ^2/NDF : 11.8/22

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 22.493 ± 52.208 χ^2/NDF : 8.3/27

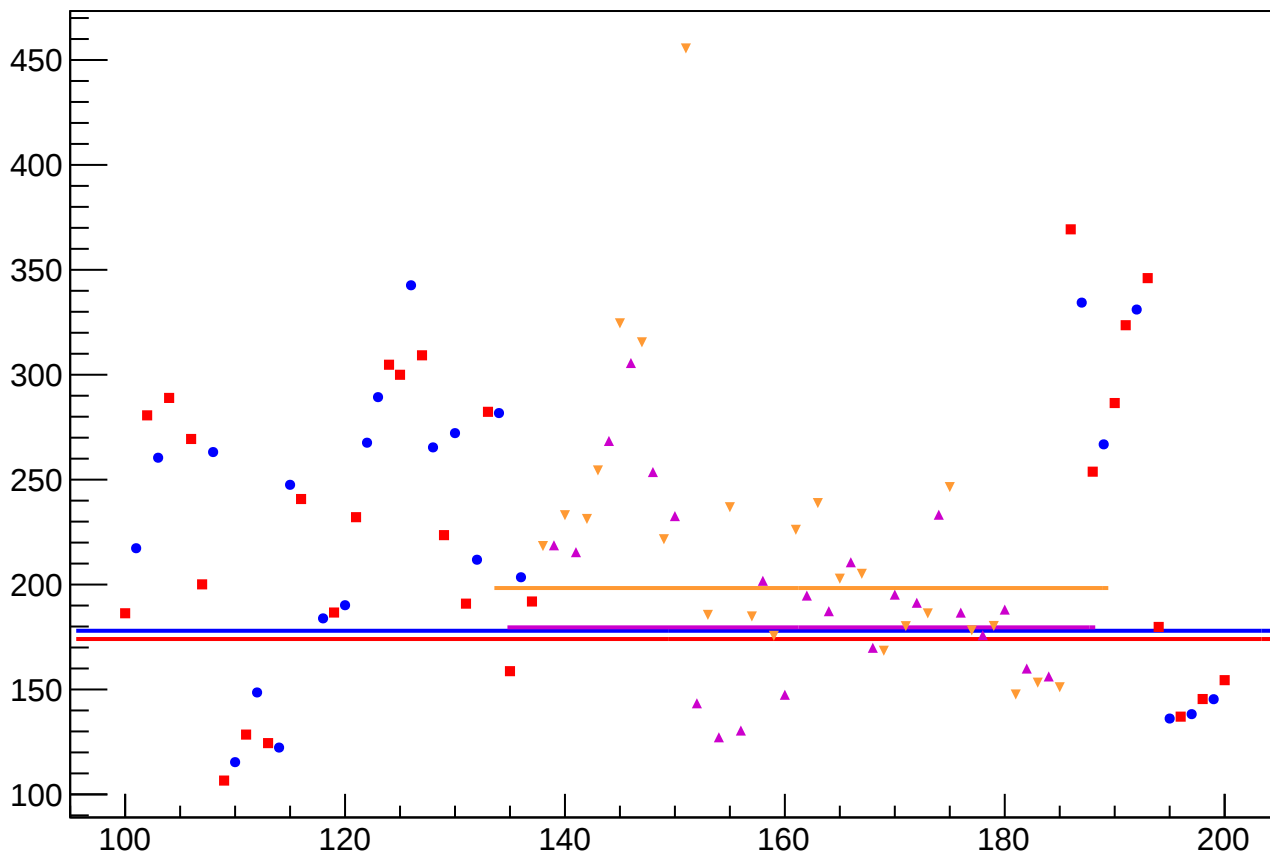
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign 8.498 ± 36.957 χ^2/NDF : 20.4/47

All: -1.996 ± 25.071 χ^2/NDF : 35.9/98

- sign -10.942 ± 34.124 χ^2/NDF : 15.3/50

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 177.980 $\pm$ 0.041 χ^2 /NDF: 2028635.2/22

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF:1757450.6/24

Right Out: 174.043 $\pm$ 0.037 χ^2 /NDF: 2752634.9/27

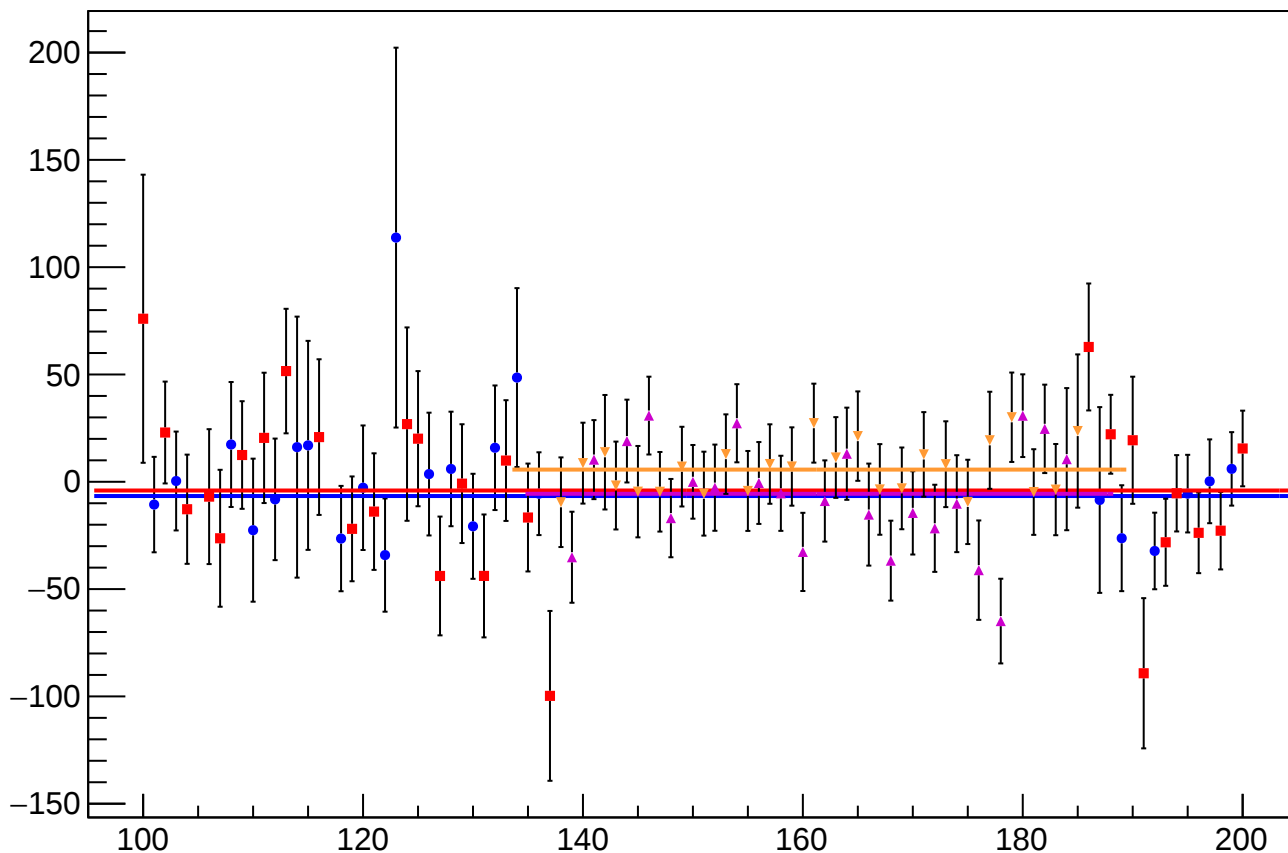
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF:1575744.0/22

+ sign 190.081 $\pm$ 0.026 χ^2 /NDF: 3932497.2/47

All: 183.144 $\pm$ 0.018 χ^2 /NDF: 8404442.7/98

- sign 177.229 $\pm$ 0.024 χ^2 /NDF: 4341379.6/50

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.639 ± 5.308 χ^2/NDF : 11.4/22

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -4.060 ± 4.835 χ^2/NDF : 39.2/27

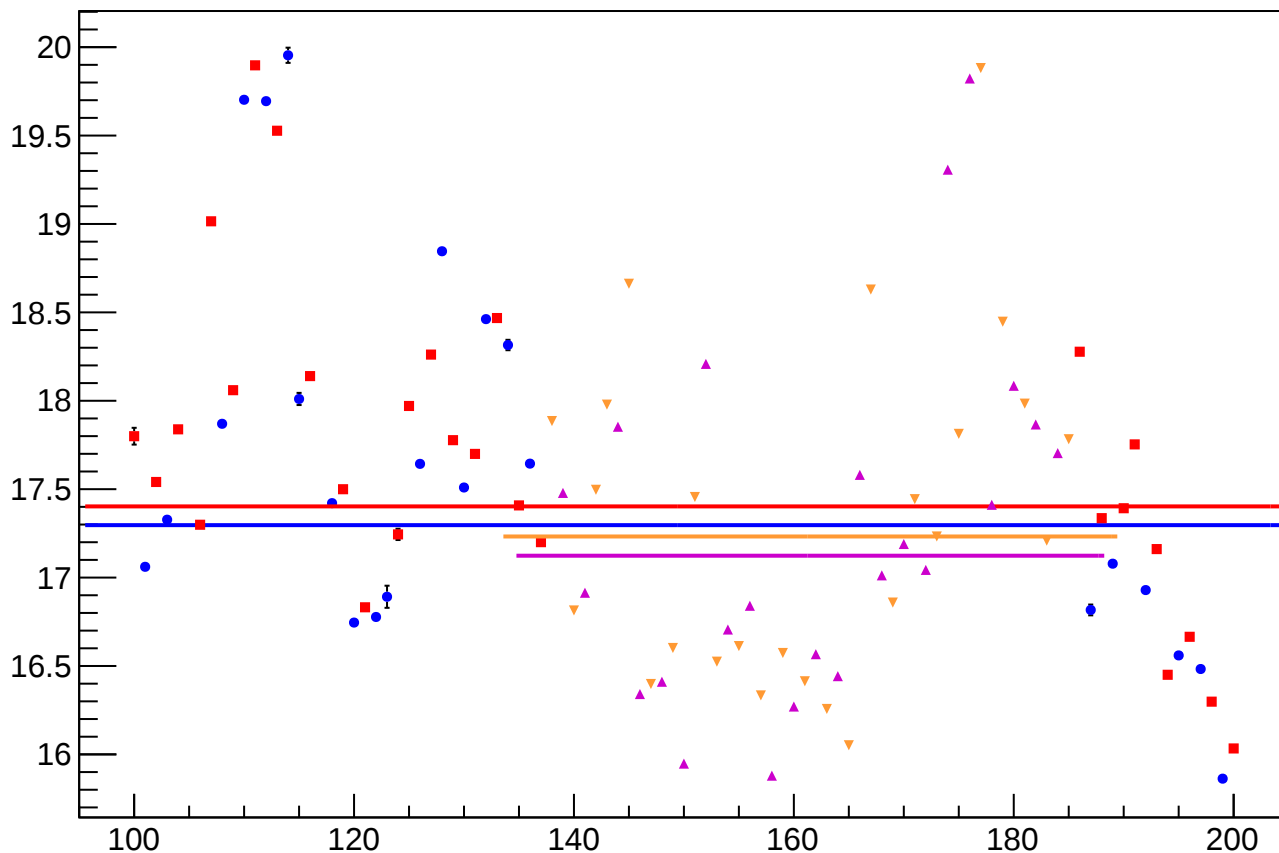
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 1.184 ± 3.206 χ^2/NDF : 22.6/47

All: -1.950 ± 2.242 χ^2/NDF : 100.1/98

- sign -4.949 ± 3.136 χ^2/NDF : 75.6/50

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.297 $\pm$ 0.004 χ^2 /NDF: 65935.4/22

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 17.403 $\pm$ 0.003 χ^2 /NDF: 69930.9/27

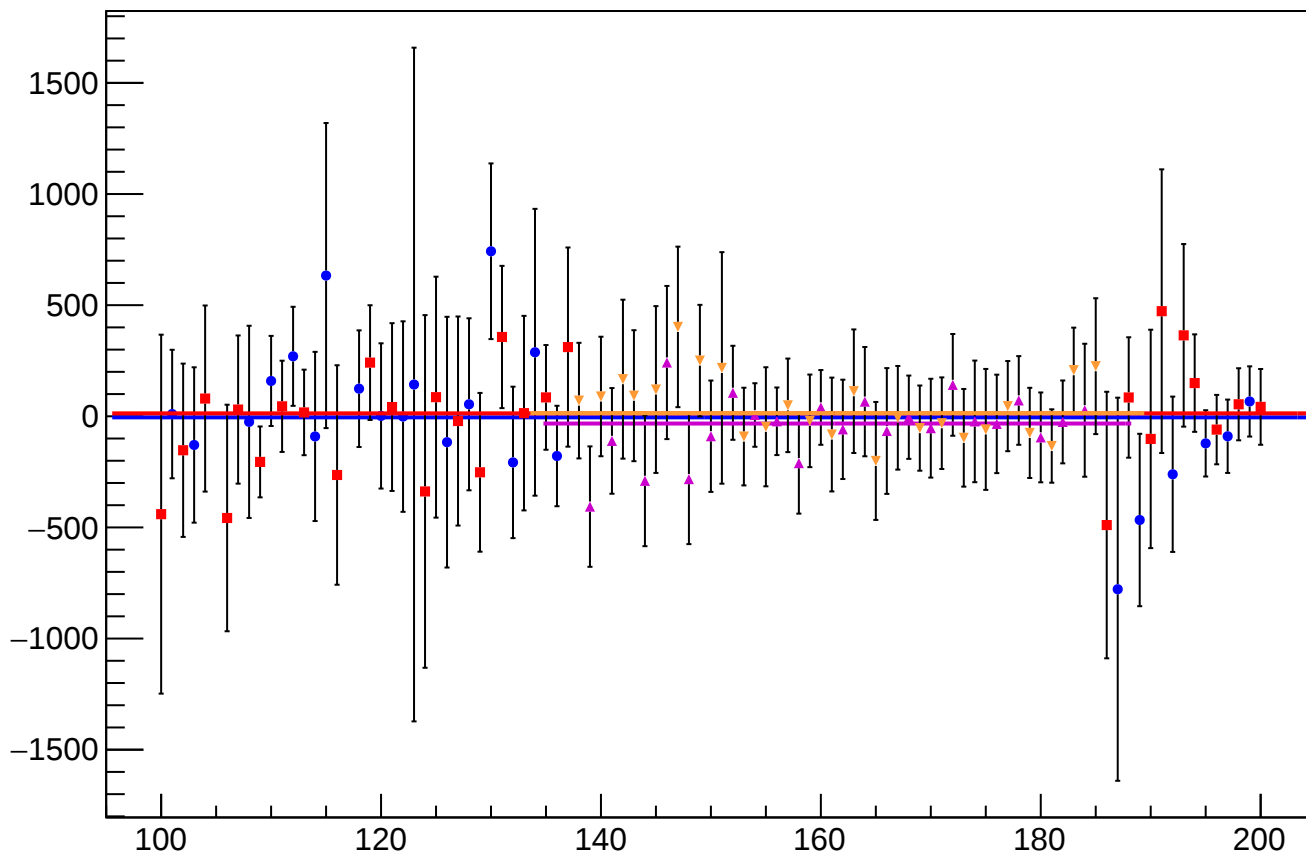
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.256 $\pm$ 0.002 χ^2 /NDF: 164821.8/47

All: 17.248 $\pm$ 0.002 χ^2 /NDF: 339375.2/98

- sign 17.241 $\pm$ 0.002 χ^2 /NDF: 174531.7/50

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -4.765 ± 58.365 χ^2/NDF : 12.1/22

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 13.177 ± 52.600 χ^2/NDF : 9.6/27

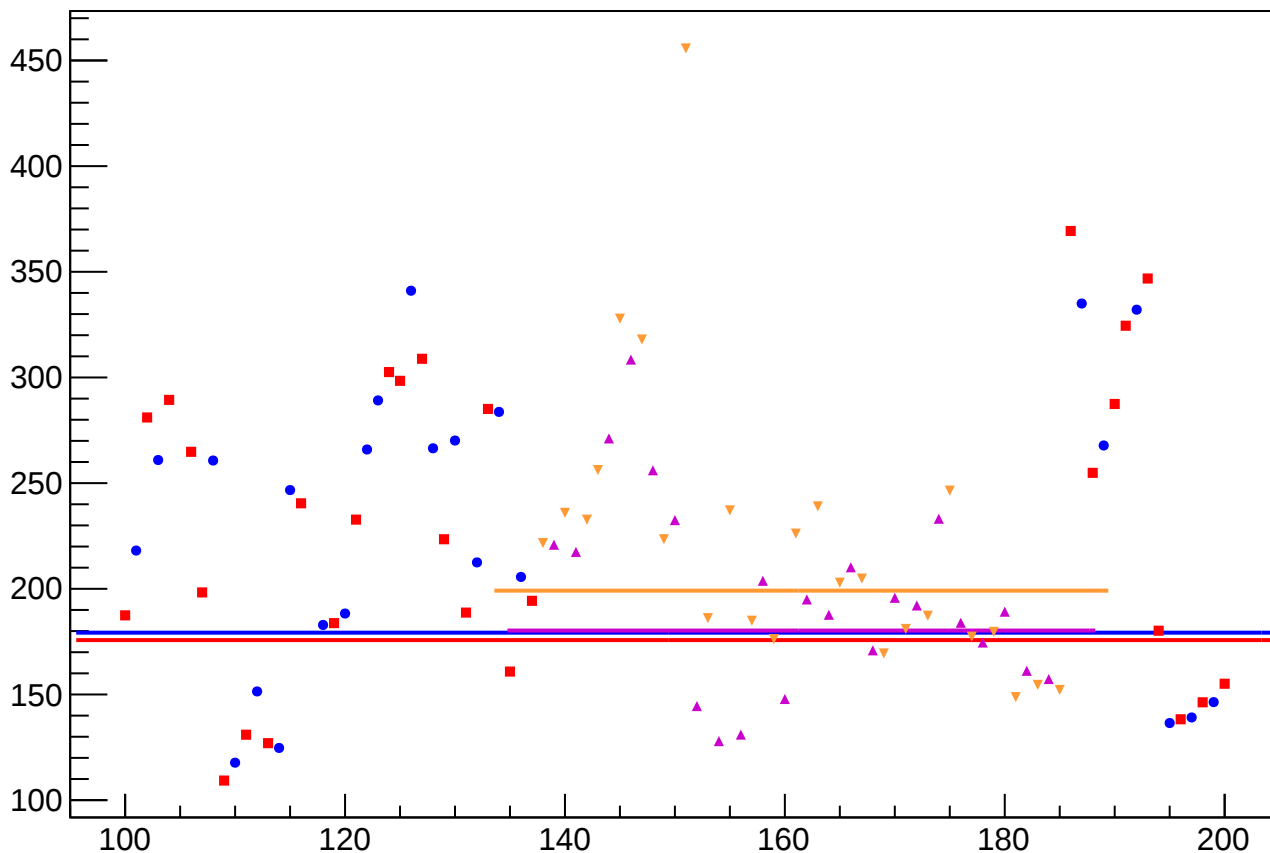
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign 6.620 ± 37.133 χ^2/NDF : 19.1/47

All: -4.028 ± 25.197 χ^2/NDF : 36.0/98

- sign -13.115 ± 34.302 χ^2/NDF : 16.8/50

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 179.251 $\pm$ 0.041 χ^2 /NDF: 1978616.2/22

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF: 1760298.1/24

Right Out: 175.732 $\pm$ 0.037 χ^2 /NDF: 2655906.1/27

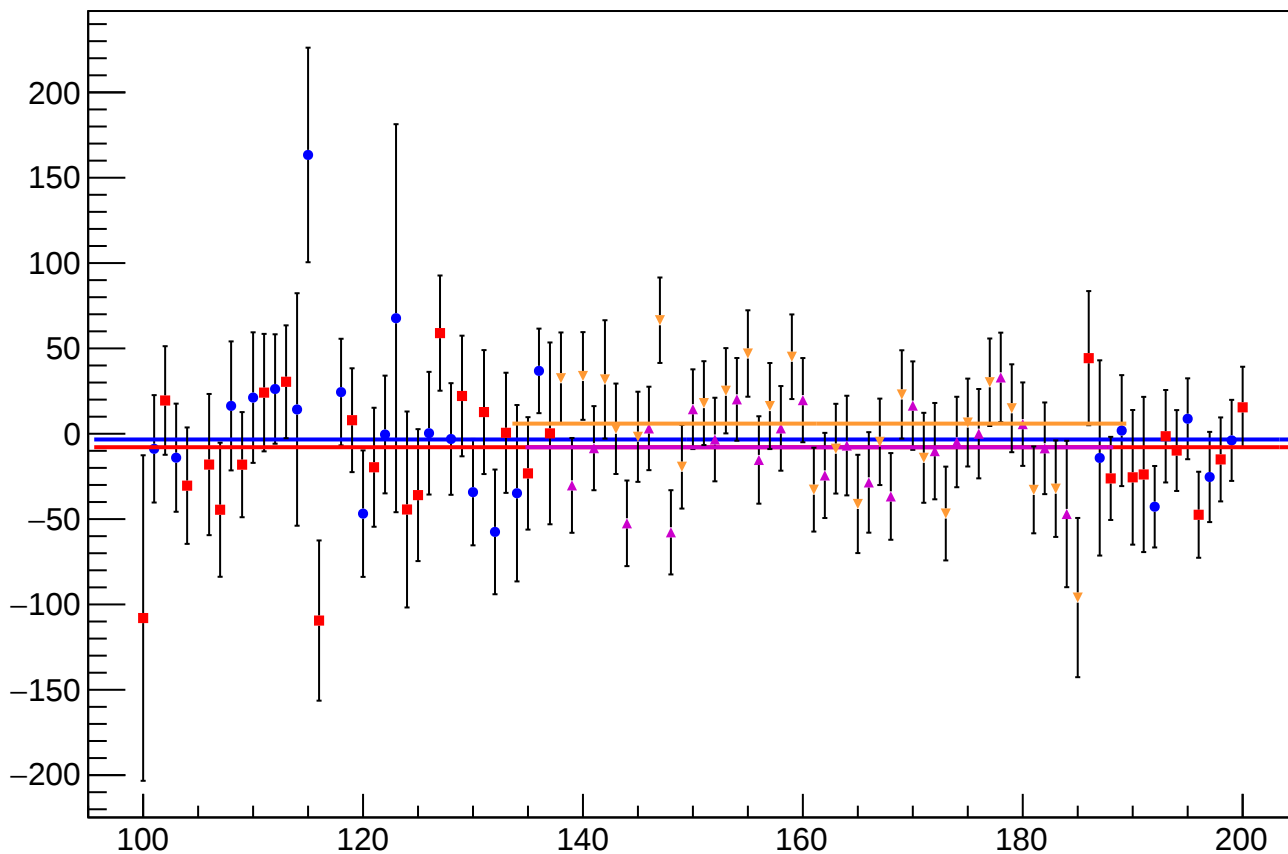
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF: 1580553.5/22

+ sign 191.087 $\pm$ 0.026 χ^2 /NDF: 3877101.5/47

All: 184.205 $\pm$ 0.018 χ^2 /NDF: 8249381.4/98

- sign 178.332 $\pm$ 0.024 χ^2 /NDF: 4244962.4/50

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.353 ± 6.902 $\chi^2/\text{NDF}: 21.3/22$

Left Out: 5.937 ± 5.285 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -7.885 ± 6.268 $\chi^2/\text{NDF}: 23.0/27$

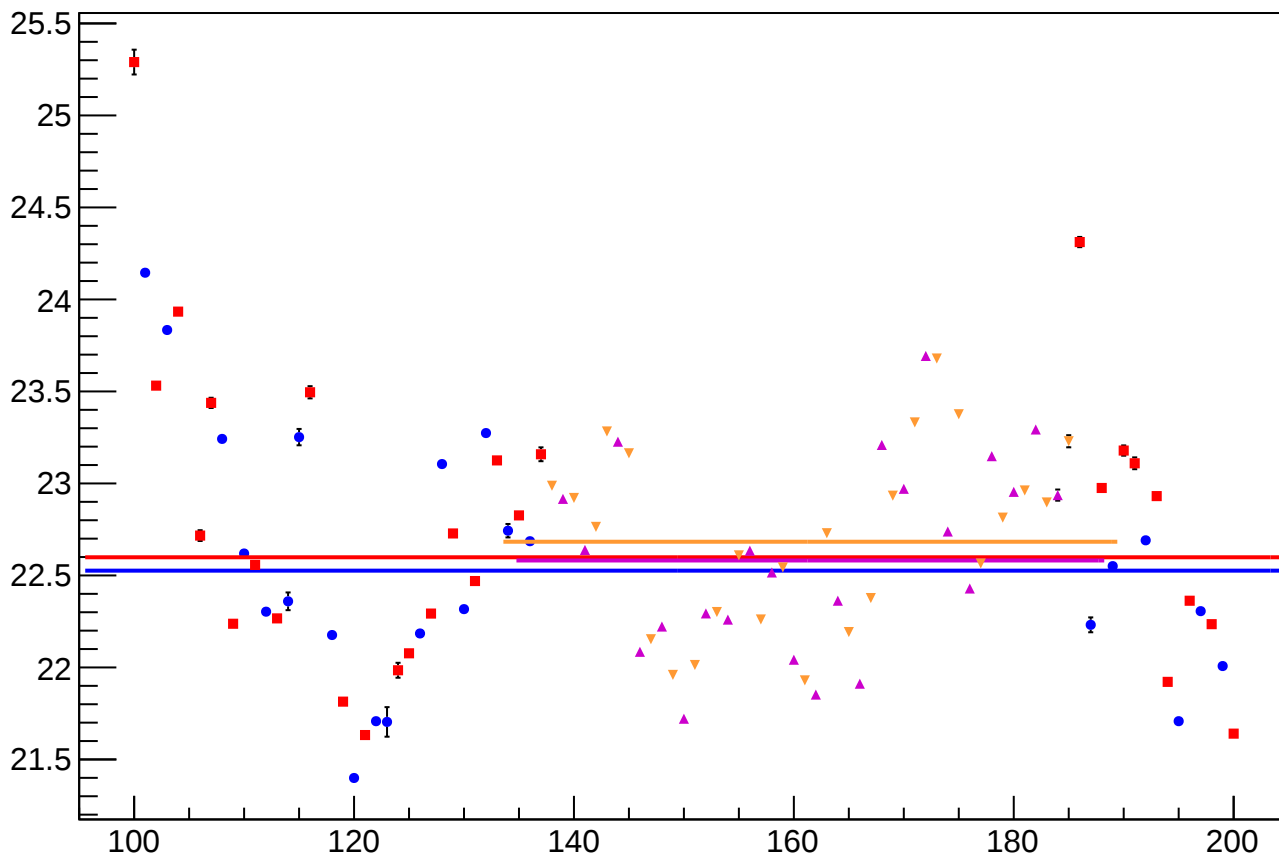
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 2.504 ± 4.196 $\chi^2/\text{NDF}: 58.5/47$

All: -2.820 ± 2.933 $\chi^2/\text{NDF}: 103.4/98$

- sign -7.902 ± 4.100 $\chi^2/\text{NDF}: 41.7/50$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.526 $\pm$ 0.005 χ^2 /NDF: 18622.3/22

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16320.2/24

Right Out: 22.599 $\pm$ 0.004 χ^2 /NDF: 23717.6/27

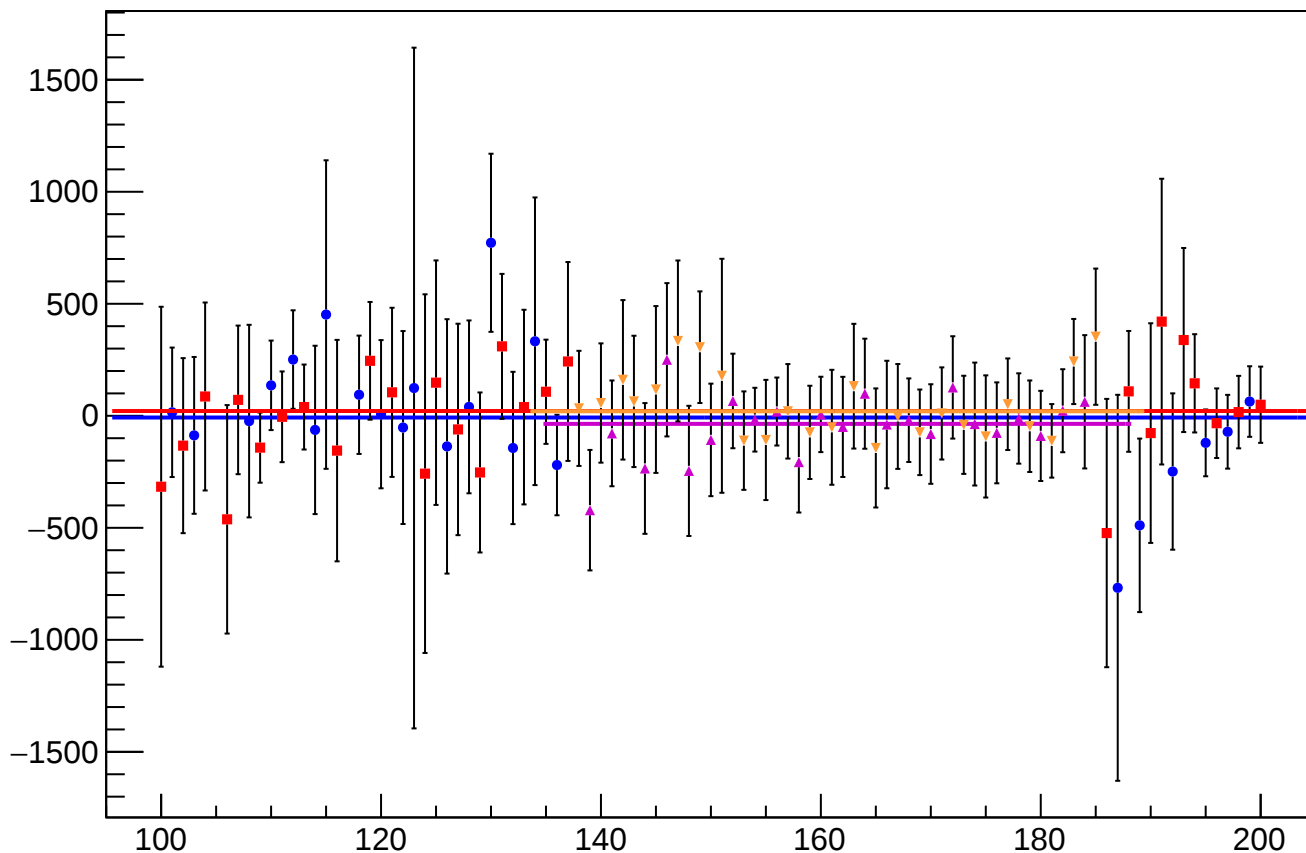
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.625 $\pm$ 0.003 χ^2 /NDF: 35596.0/47

All: 22.607 $\pm$ 0.002 χ^2 /NDF: 77303.7/98

- sign 22.589 $\pm$ 0.003 χ^2 /NDF: 41630.9/50

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -7.655 ± 58.190 χ^2/NDF : 11.6/22

Left Out: 20.306 ± 48.049 χ^2/NDF : 7.7/24

Right Out: 21.349 ± 52.335 χ^2/NDF : 7.7/27

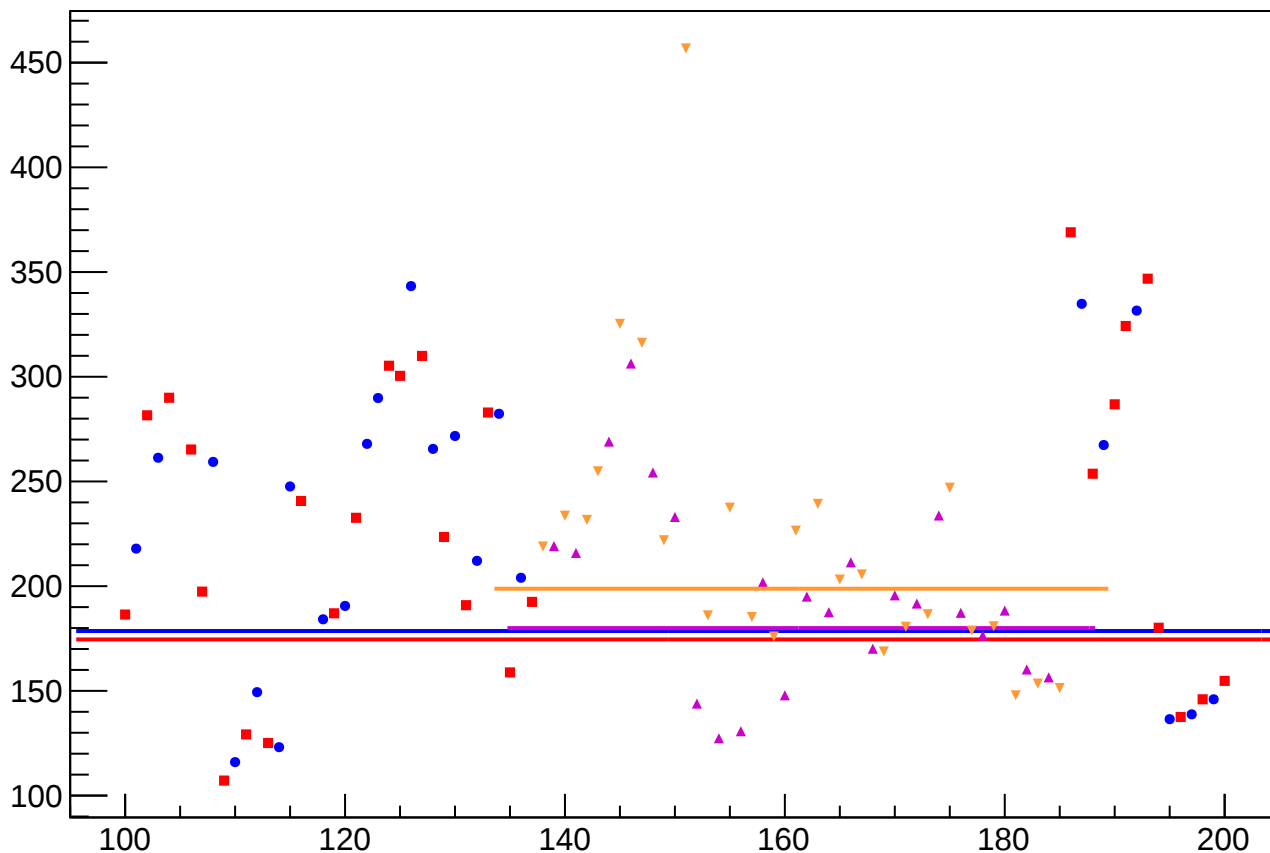
Left In: -35.996 ± 45.180 χ^2/NDF : 6.1/22

+ sign 8.970 ± 37.050 χ^2/NDF : 19.4/47

All: -2.087 ± 25.130 χ^2/NDF : 34.0/98

- sign -11.508 ± 34.199 χ^2/NDF : 14.5/50

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 178.583 $\pm$ 0.041 χ^2/NDF : 2009896.9/22

Left Out: 198.784 $\pm$ 0.034 χ^2/NDF : 1758481.8/24

Right Out: 174.558 $\pm$ 0.037 χ^2/NDF : 2727795.1/27

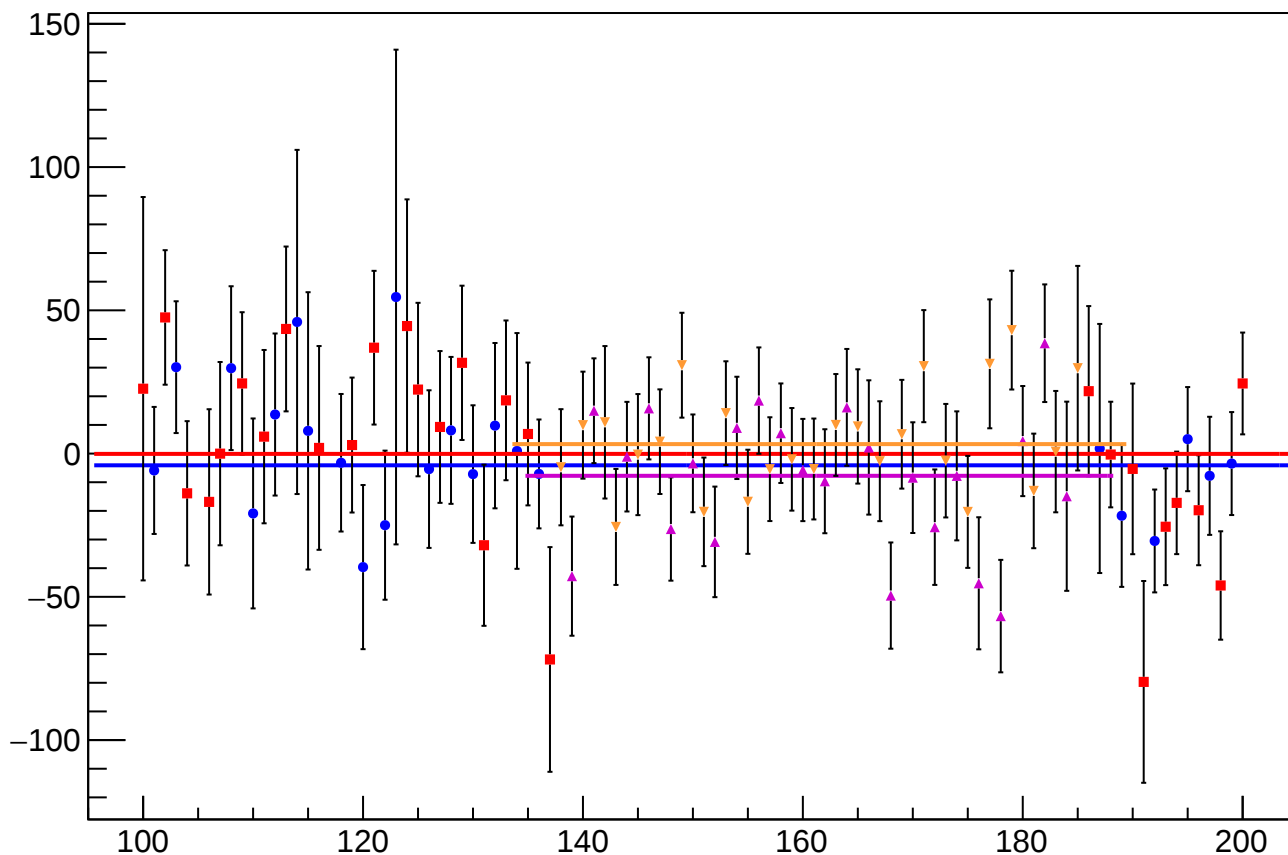
Left In: 179.972 $\pm$ 0.032 χ^2/NDF : 1575888.3/22

+ sign 190.595 $\pm$ 0.026 χ^2/NDF : 3911695.9/47

All: 183.611 $\pm$ 0.018 χ^2/NDF : 8359253.6/98

- sign 177.660 $\pm$ 0.024 χ^2/NDF : 4315947.7/50

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.094 ± 5.311 χ^2/NDF : 11.2/22

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: -0.107 ± 4.829 χ^2/NDF : 35.3/27

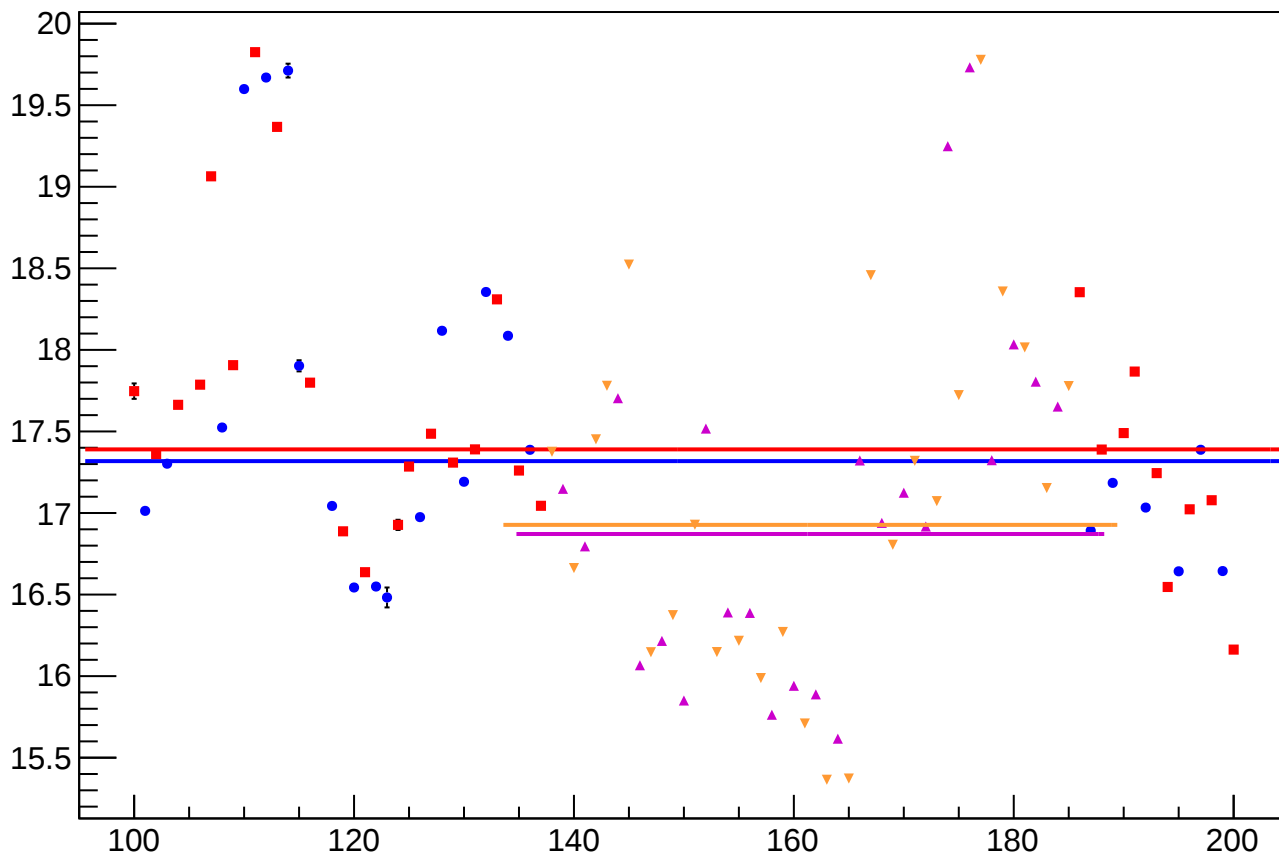
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 0.668 ± 3.171 χ^2/NDF : 31.1/47

All: -2.013 ± 2.220 χ^2/NDF : 103.6/98

- sign -4.587 ± 3.108 χ^2/NDF : 71.0/50

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.318+/-0.004 χ^2/NDF : 42871.6/22

Left Out: 16.927+/-0.003 χ^2/NDF : 138533.2/24

Right Out: 17.390+/-0.003 χ^2/NDF : 52630.4/27

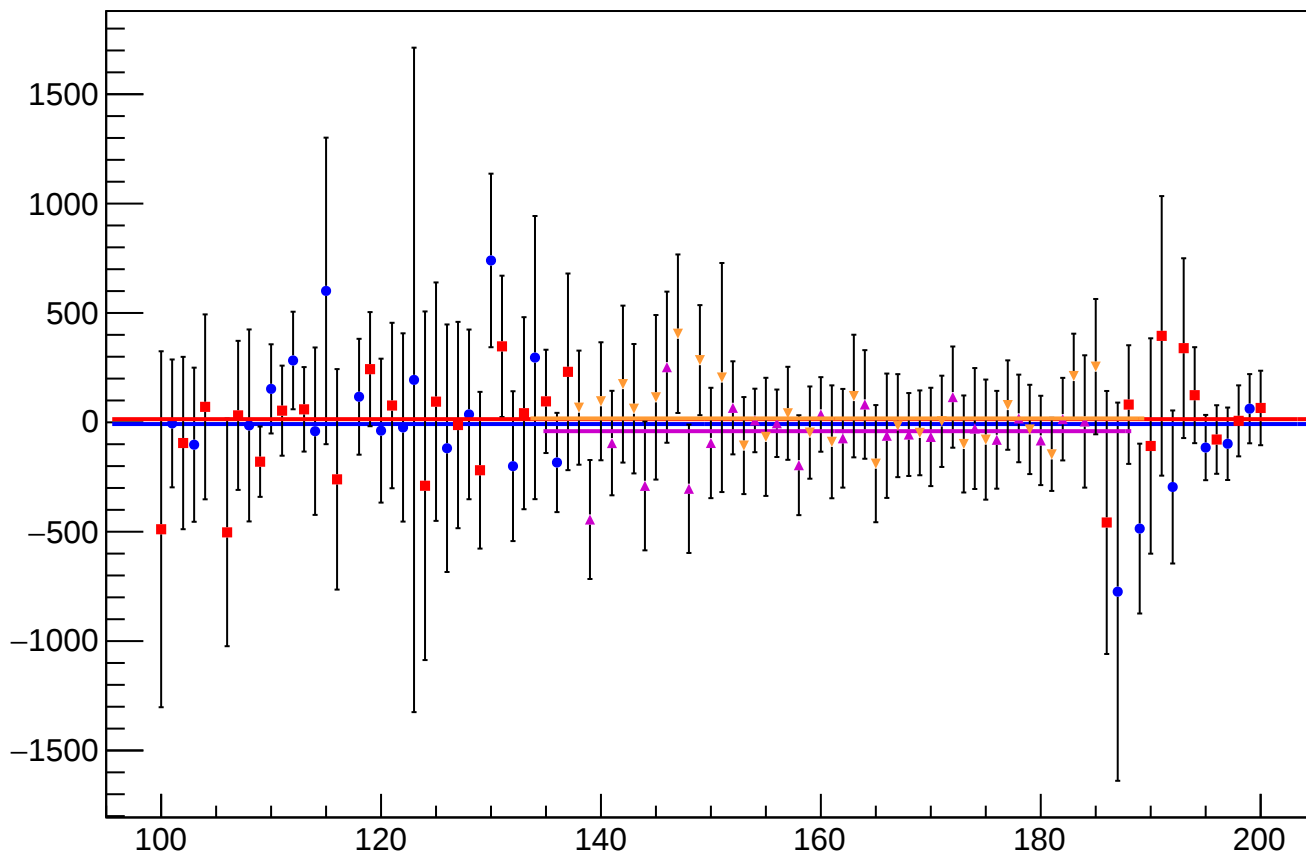
Left In: 16.871+/-0.003 χ^2/NDF : 117993.8/22

+ sign 17.067+/-0.002 χ^2/NDF : 188373.1/47

All: 17.077+/-0.002 χ^2/NDF : 372555.3/98

- sign 17.086+/-0.002 χ^2/NDF : 184143.5/50

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -7.833 ± 58.592 χ^2/NDF : 12.1/22

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 14.588 ± 52.830 χ^2/NDF : 8.5/27

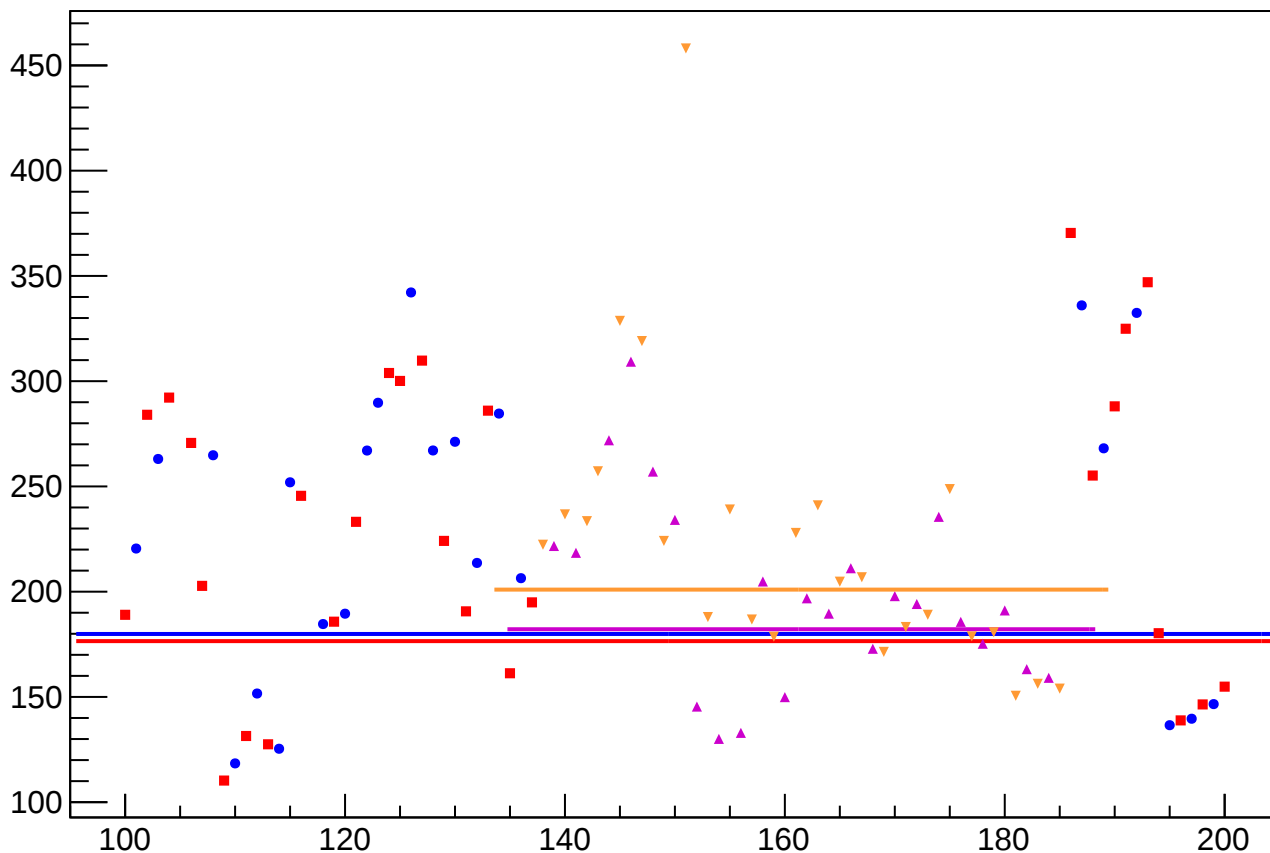
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign 7.383 ± 37.382 χ^2/NDF : 19.7/47

All: -5.681 ± 25.376 χ^2/NDF : 35.7/98

- sign -16.845 ± 34.558 χ^2/NDF : 15.8/50

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 179.910 $\pm$ 0.041 χ^2 /NDF: 1990337.6/22

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF: 1727291.4/24

Right Out: 176.511 $\pm$ 0.037 χ^2 /NDF: 2662910.0/27

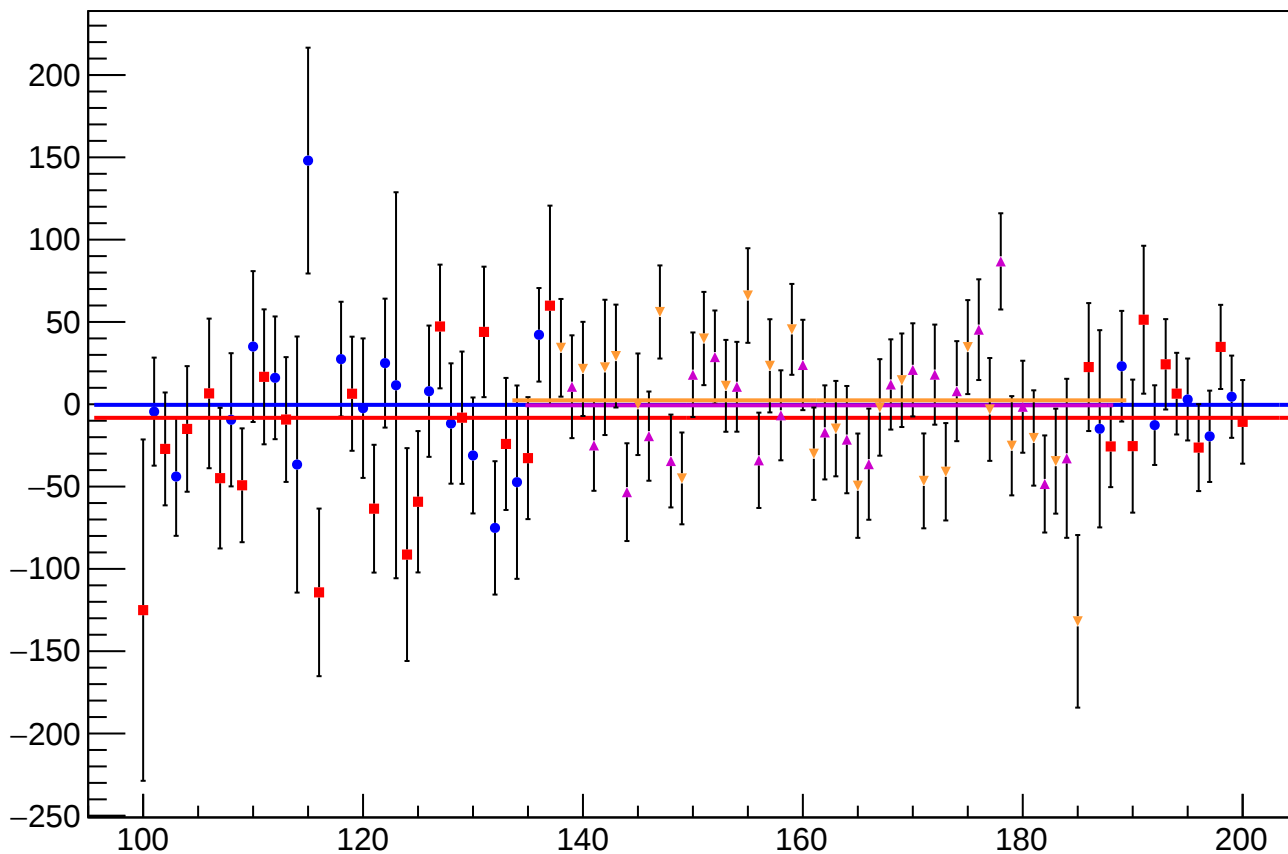
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF: 1535922.8/22

+ sign 192.406 $\pm$ 0.026 χ^2 /NDF: 3871062.7/47

All: 185.578 $\pm$ 0.018 χ^2 /NDF: 8206736.2/98

- sign 179.742 $\pm$ 0.024 χ^2 /NDF: 4211906.3/50

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.356 ± 7.517 χ^2/NDF : 16.8/22

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -8.238 ± 6.756 χ^2/NDF : 27.7/27

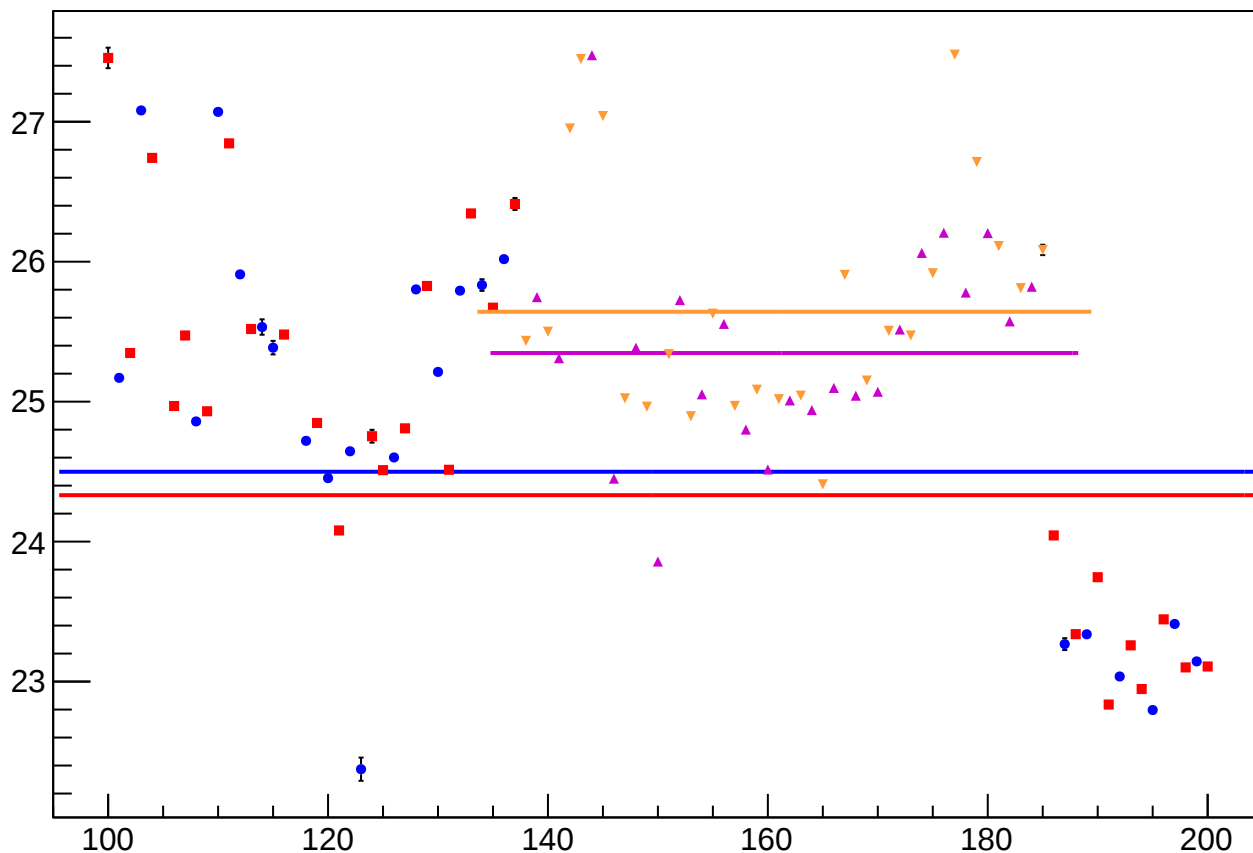
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 1.325 ± 4.680 χ^2/NDF : 56.0/47

All: -1.452 ± 3.253 χ^2/NDF : 112.4/98

- sign -4.047 ± 4.524 χ^2/NDF : 55.7/50

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.499 ± 0.005 χ^2/NDF : 62904.2/22

Left Out: 25.642 ± 0.004 χ^2/NDF : 34802.2/24

Right Out: 24.332 ± 0.005 χ^2/NDF : 65046.6/27

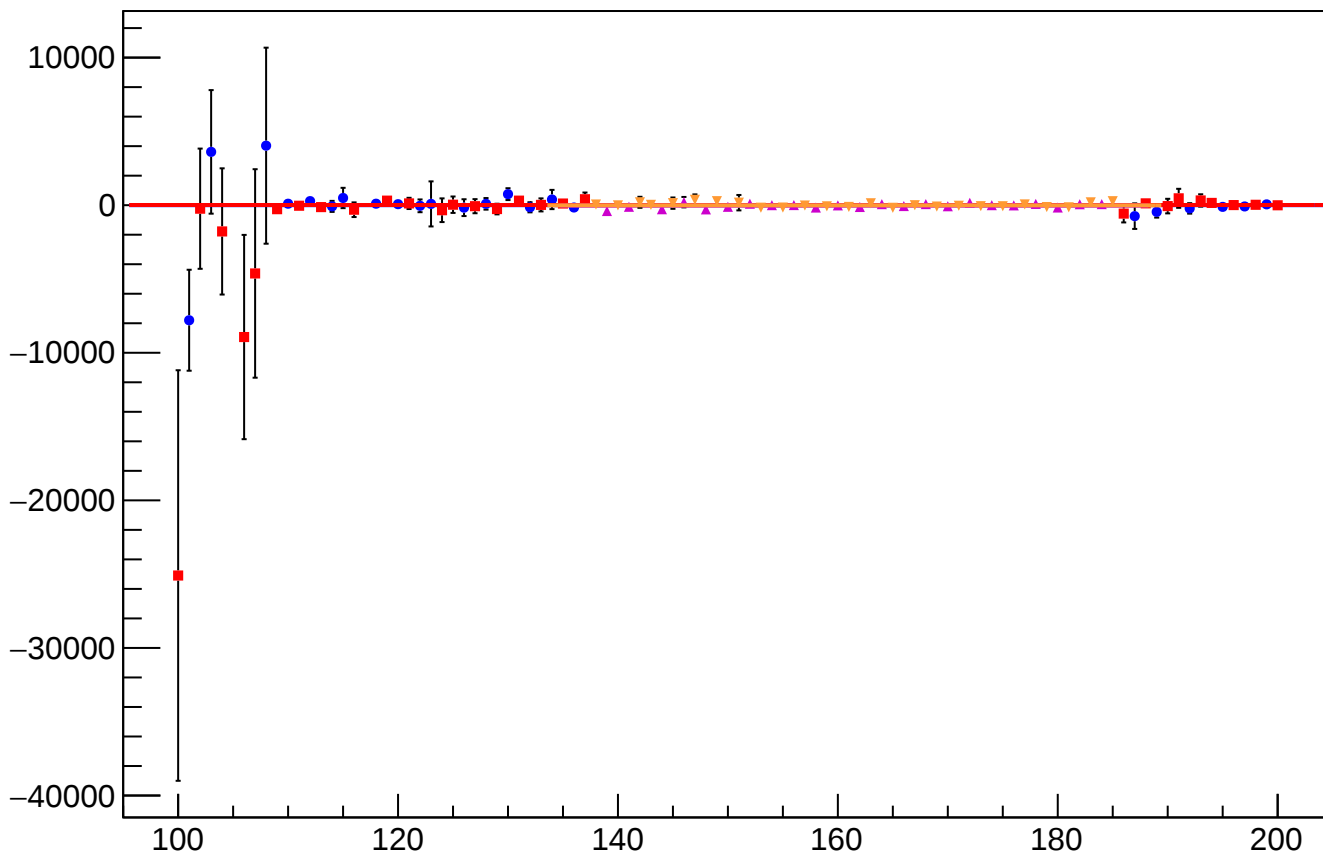
Left In: 25.347 ± 0.004 χ^2/NDF : 29389.5/22

+ sign 25.199 ± 0.003 χ^2/NDF : 126038.1/47

All: 25.040 ± 0.002 χ^2/NDF : 249858.9/98

- sign 24.892 ± 0.003 χ^2/NDF : 119366.3/50

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 1.102 ± 62.197 χ^2/NDF : 16.9/22

Left Out: -11.432 ± 48.263 χ^2/NDF : 8.0/24

Right Out: 12.980 ± 57.060 χ^2/NDF : 14.7/27

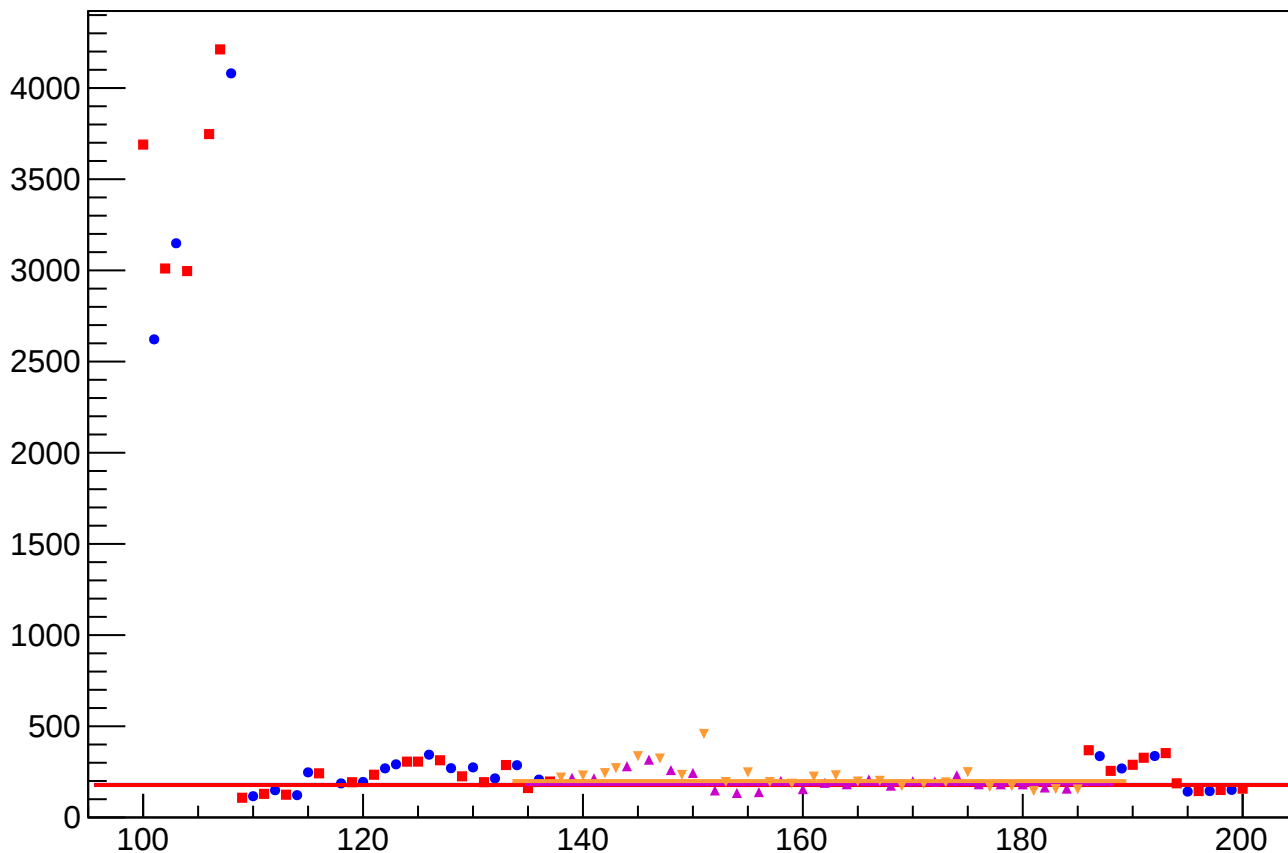
Left In: -27.098 ± 45.999 χ^2/NDF : 7.2/22

+ sign -6.721 ± 38.130 χ^2/NDF : 24.9/47

All: -9.160 ± 26.104 χ^2/NDF : 47.1/98

- sign -11.312 ± 35.811 χ^2/NDF : 22.2/50

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 178.630 $\pm$ 0.044 χ^2 /NDF: 4436150.9/22

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF:1877848.7/24

Right Out: 177.824 $\pm$ 0.040 χ^2 /NDF: 5299405.4/27

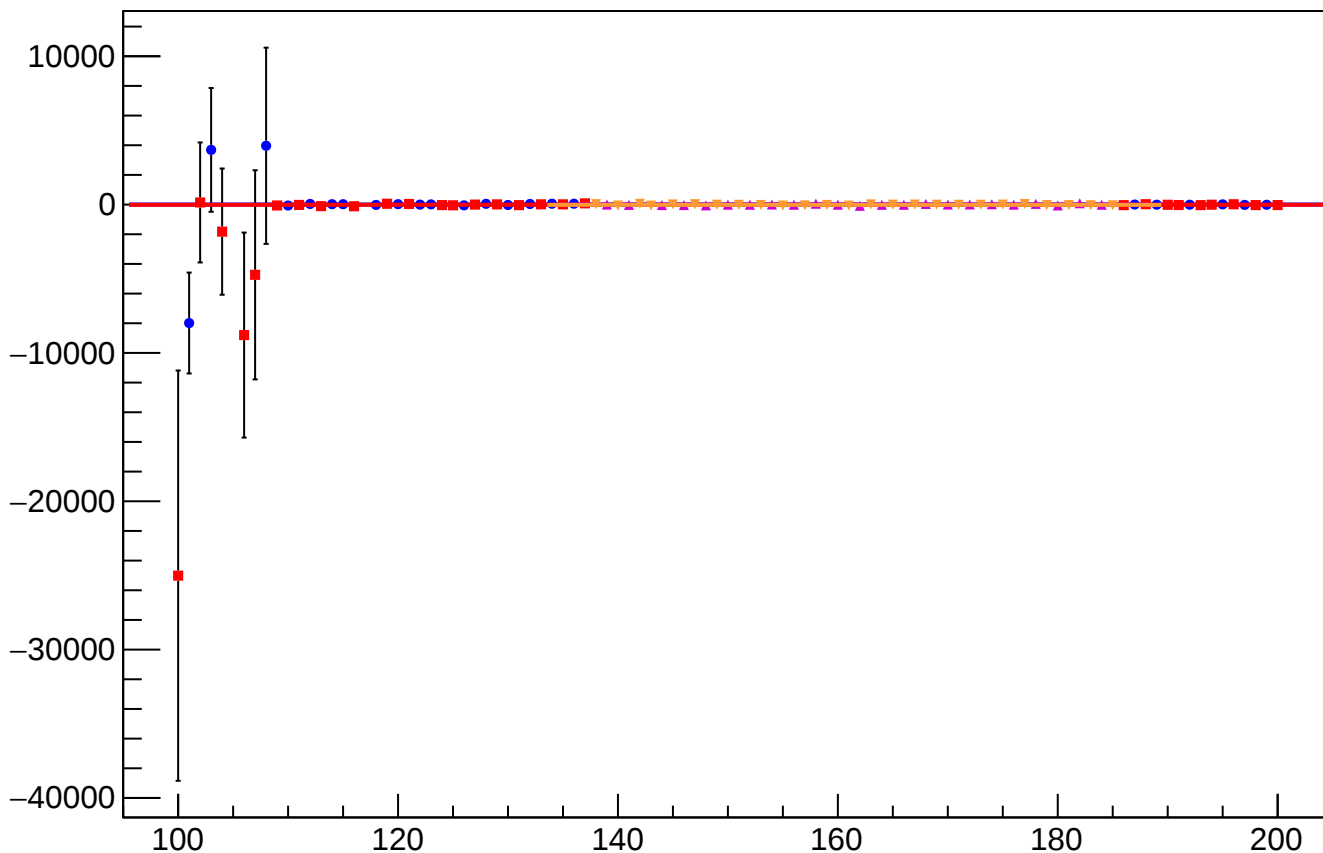
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF:1412869.6/22

+ sign 191.618 $\pm$ 0.027 χ^2 /NDF: 6453712.9/47

All: 186.215 $\pm$ 0.018 χ^2 /NDF: 13254883.3/90

- sign 181.449 $\pm$ 0.025 χ^2 /NDF: 6725593.1/50

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.840 ± 9.144 χ^2/NDF : 19.9/22

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -12.716 ± 8.364 χ^2/NDF : 28.6/27

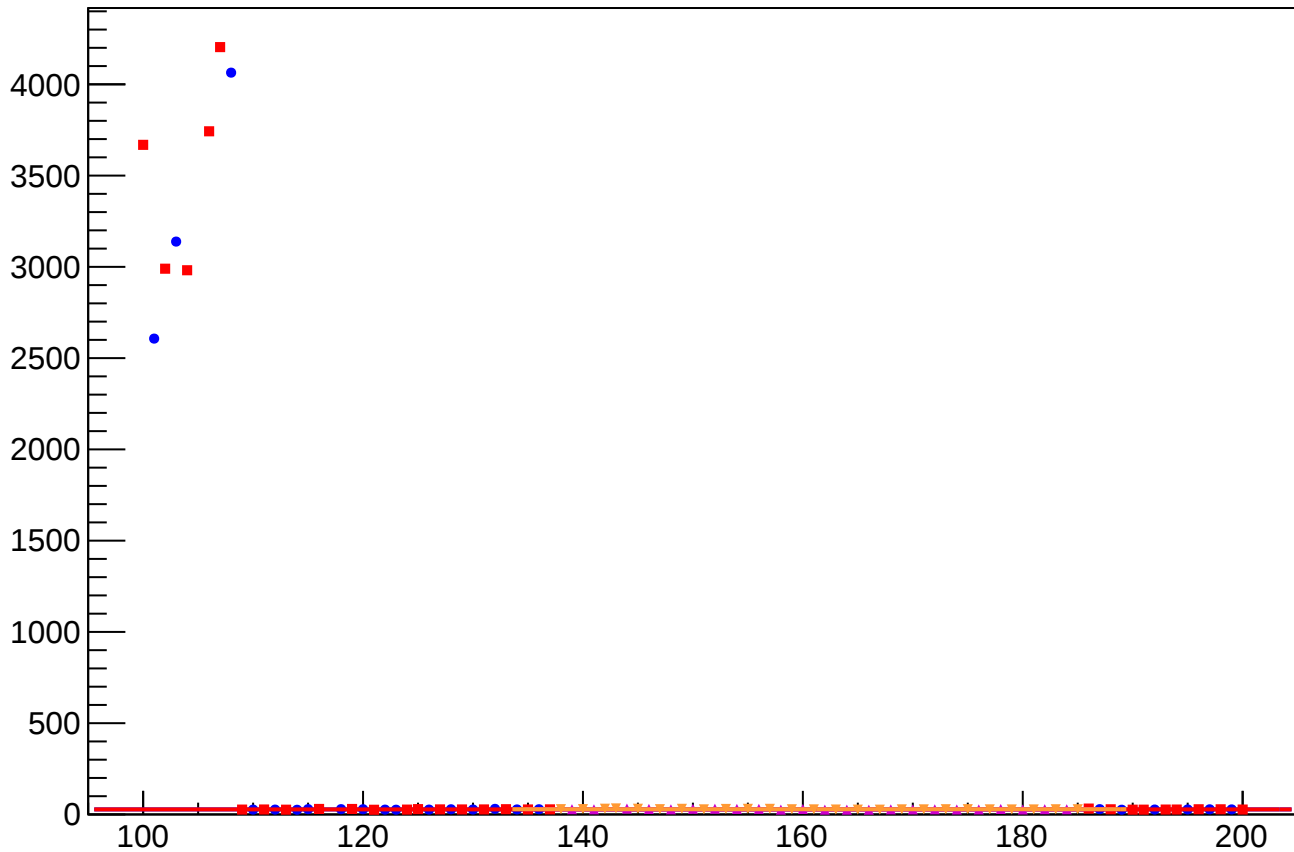
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -10.442 ± 5.406 χ^2/NDF : 45.4/47

All: -8.142 ± 3.794 χ^2/NDF : 107.6/98

- sign -5.910 ± 5.326 χ^2/NDF : 61.8/50

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.633 $\pm$ 0.006 χ^2 /NDF: 3034289.0/22

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.674 $\pm$ 0.006 χ^2 /NDF: 3502123.2/27

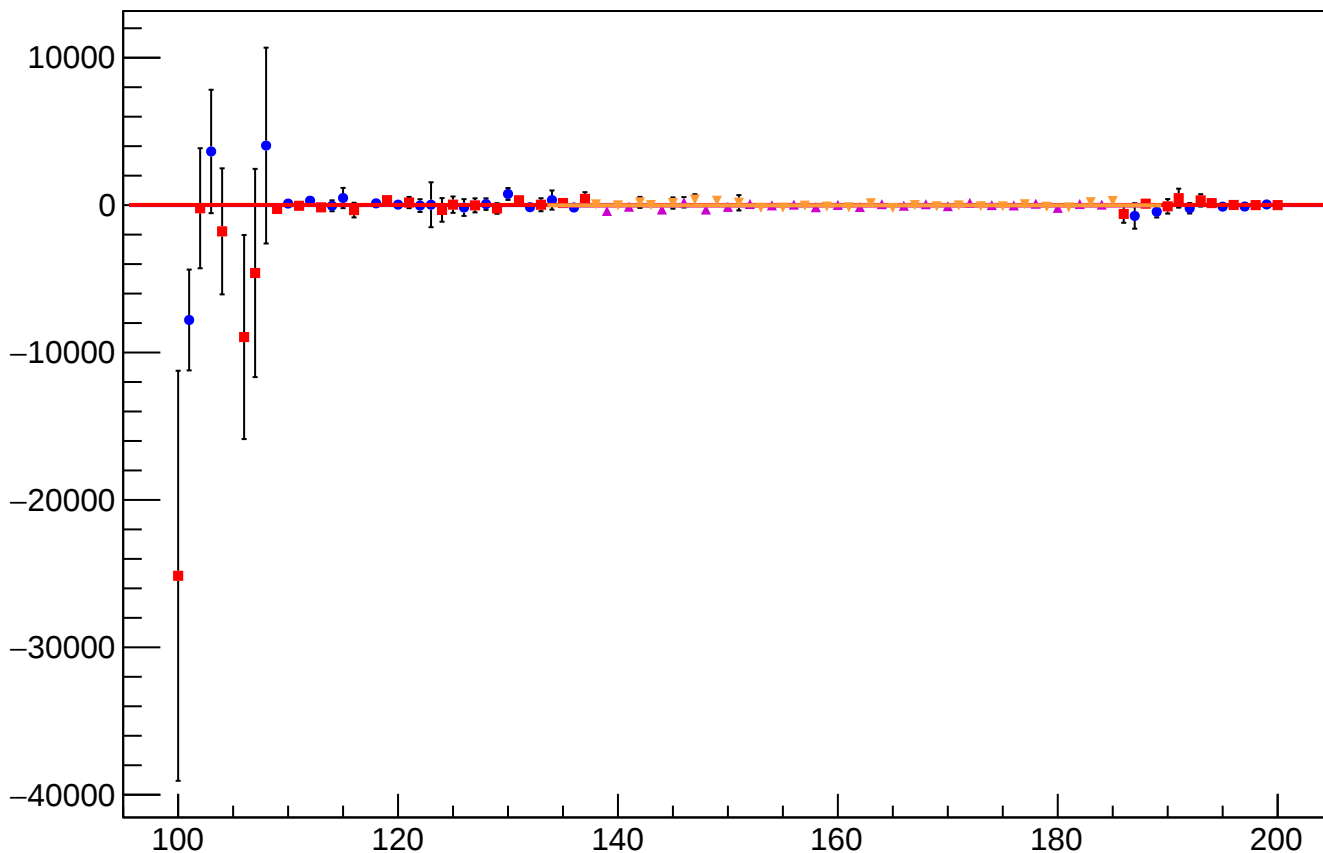
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.323 $\pm$ 0.004 χ^2 /NDF: 3162274.4/47

All: 28.296 $\pm$ 0.003 χ^2 /NDF: 6805404.2/98

- sign 28.270 $\pm$ 0.004 χ^2 /NDF: 3643033.4/50

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 2.870 $\pm$ 62.003 χ^2 /NDF: 17.1/22

Left Out: -13.878 $\pm$ 48.155 χ^2 /NDF: 8.8/24

Right Out: 13.512 $\pm$ 56.900 χ^2 /NDF: 15.4/27

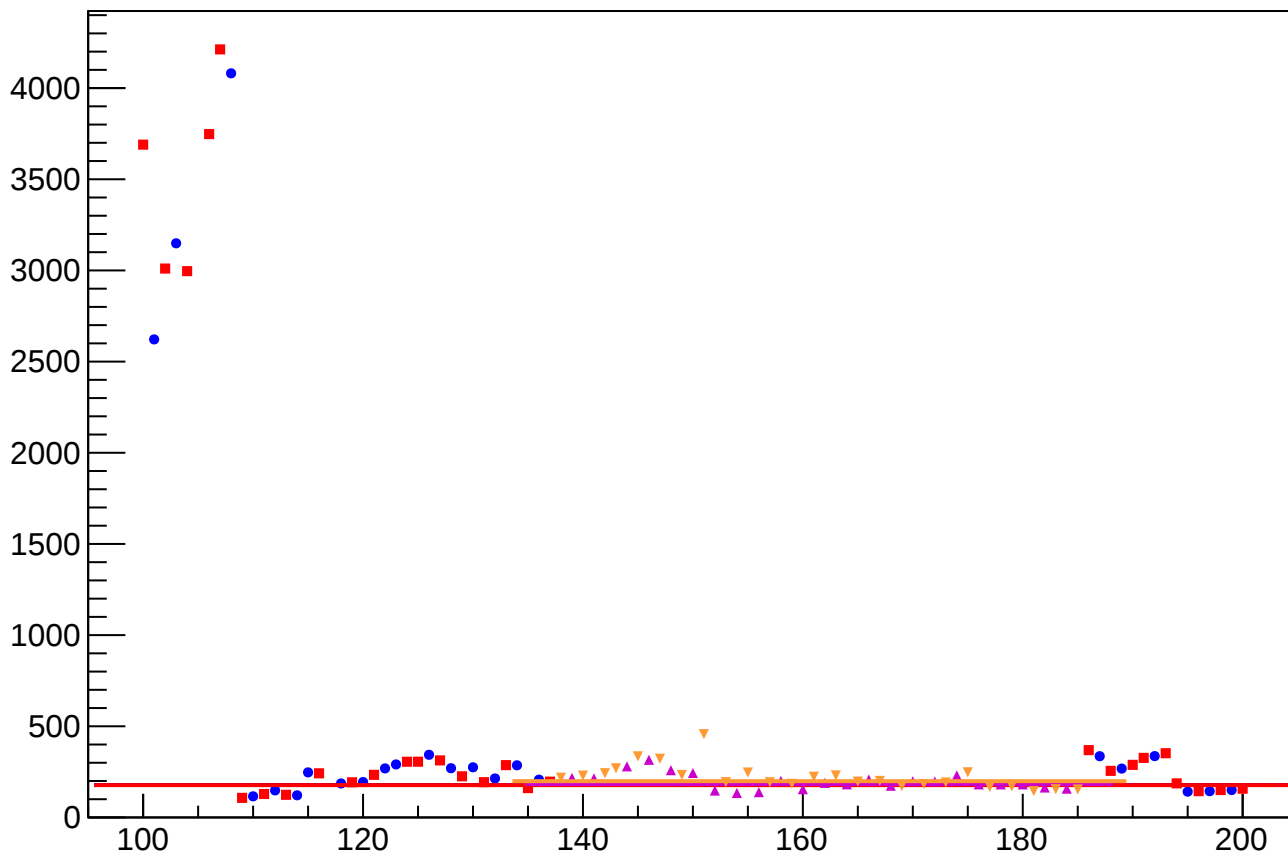
Left In: -27.286 $\pm$ 45.907 χ^2 /NDF: 7.5/22

+ sign -7.577 $\pm$ 38.032 χ^2 /NDF: 25.9/47

All: -9.502 $\pm$ 26.040 χ^2 /NDF: 49.1/98

- sign -11.200 $\pm$ 35.729 χ^2 /NDF: 23.2/50

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 178.003 $\pm$ 0.044 χ^2 /NDF: 4449706.0/22

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF:1877636.0/24

Right Out: 177.249 $\pm$ 0.040 χ^2 /NDF: 5316898.7/27

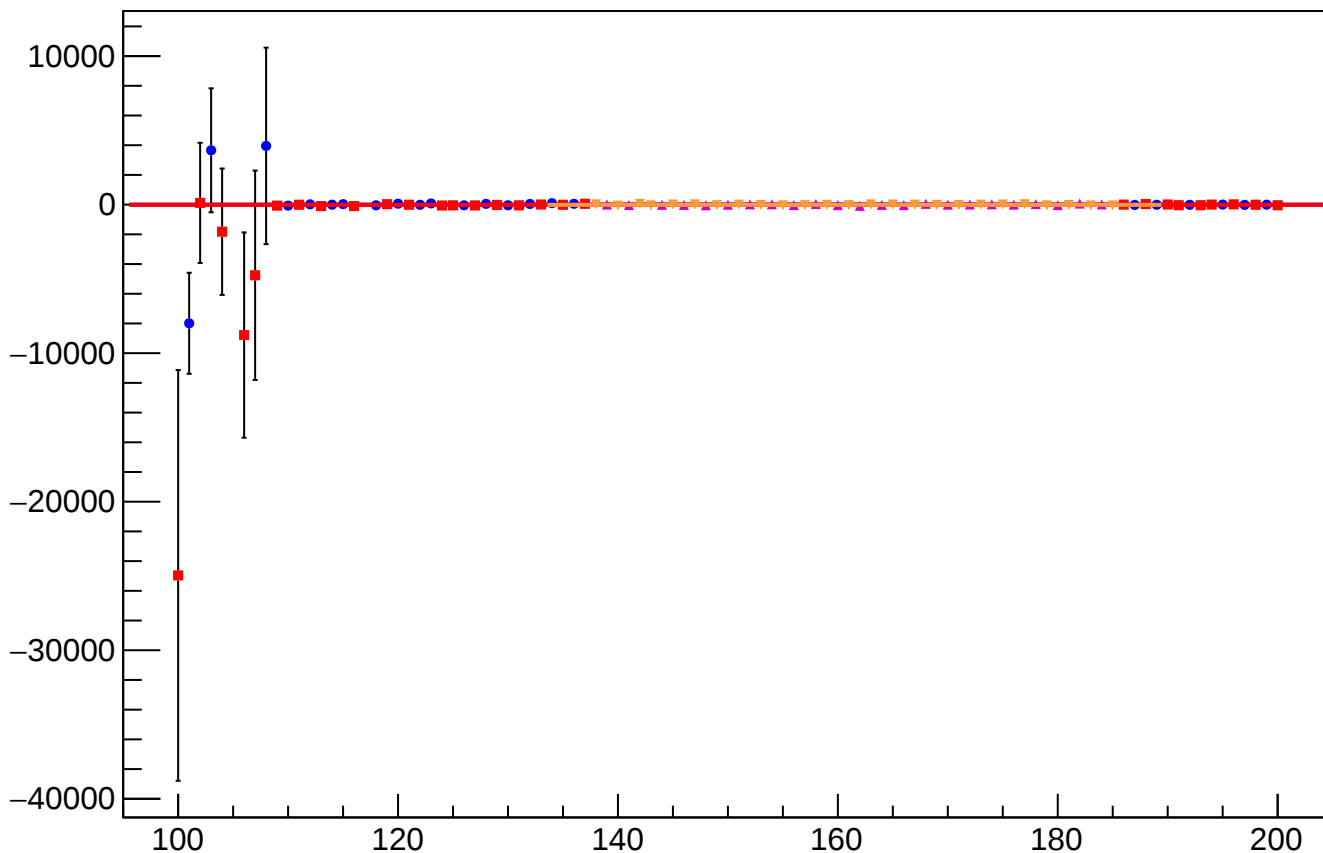
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF:1412341.8/22

+ sign 191.098 $\pm$ 0.027 χ^2 /NDF: 6470357.4/47

All: 185.734 $\pm$ 0.018 χ^2 /NDF: 13288838.6/90

- sign 181.000 $\pm$ 0.025 χ^2 /NDF: 6743588.7/50

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 2.191 ± 9.148 χ^2/NDF : 23.6/22

Left Out: -15.829 ± 6.733 χ^2/NDF : 16.5/24

Right Out: -15.710 ± 8.374 χ^2/NDF : 24.3/27

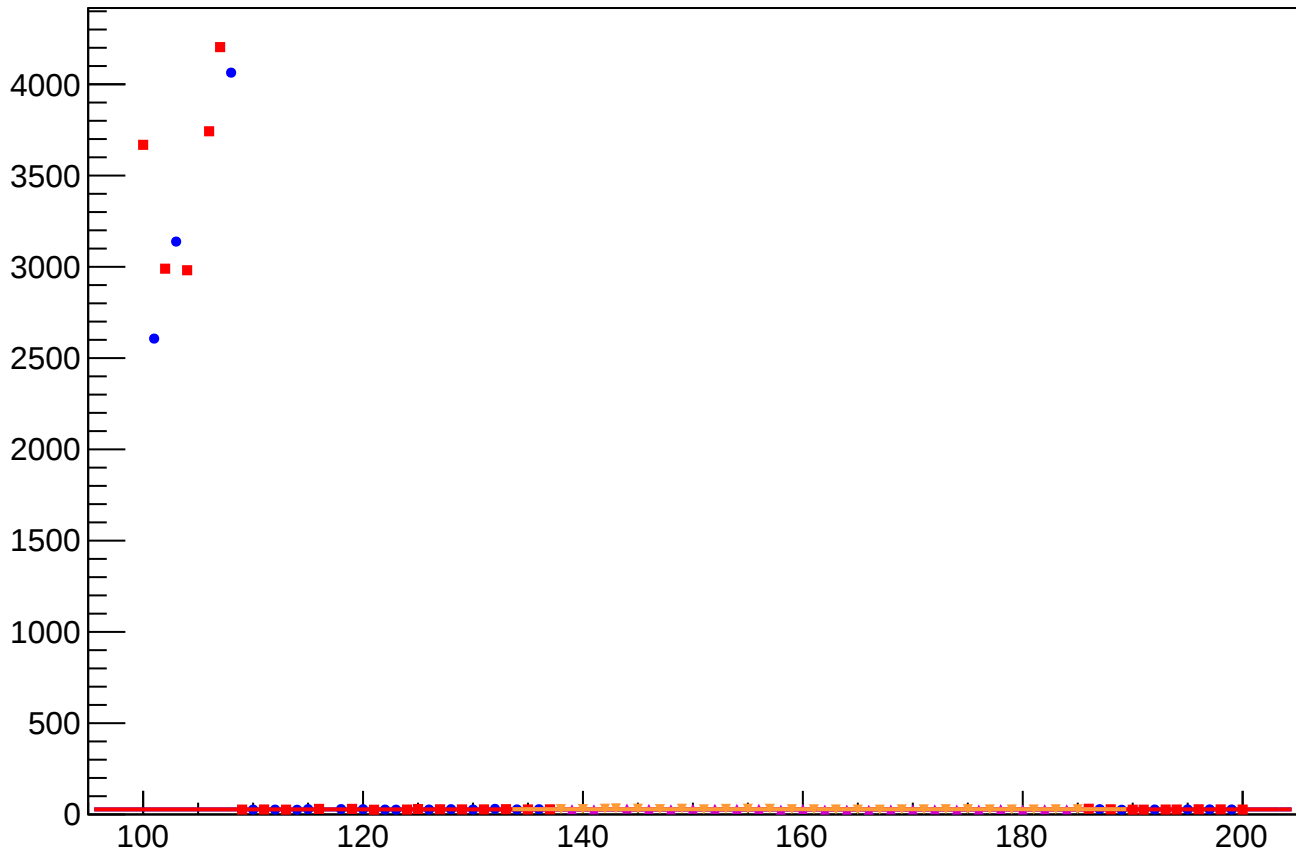
Left In: 0.498 ± 6.937 χ^2/NDF : 26.1/22

+ sign -9.498 ± 5.423 χ^2/NDF : 42.6/47

All: -7.772 ± 3.806 χ^2/NDF : 95.4/98

- sign -6.098 ± 5.342 χ^2/NDF : 52.6/50

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.642 $\pm$ 0.006 χ^2 /NDF: 3036473.9/22

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.708 $\pm$ 0.006 χ^2 /NDF: 3499654.3/27

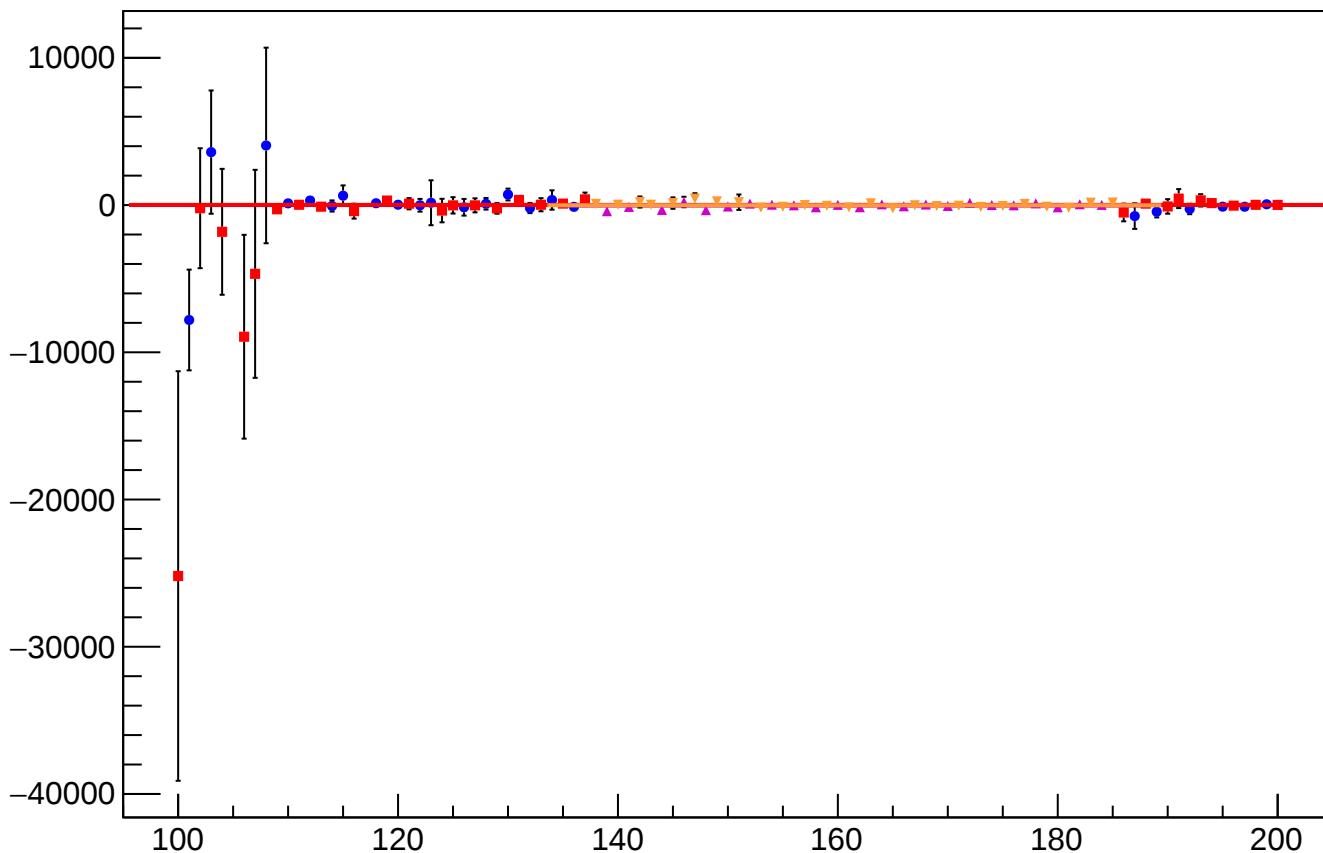
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.403 $\pm$ 0.004 χ^2 /NDF: 3179912.0/47

All: 28.378 $\pm$ 0.003 χ^2 /NDF: 6828003.6/98

- sign 28.354 $\pm$ 0.004 χ^2 /NDF: 3648010.0/50

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 2.326+/-62.500 χ^2 /NDF: 17.5/22

Left Out: -13.966+/-48.735 χ^2 /NDF: 8.1/24

Right Out: 11.325+/-57.394 χ^2 /NDF: 14.6/27

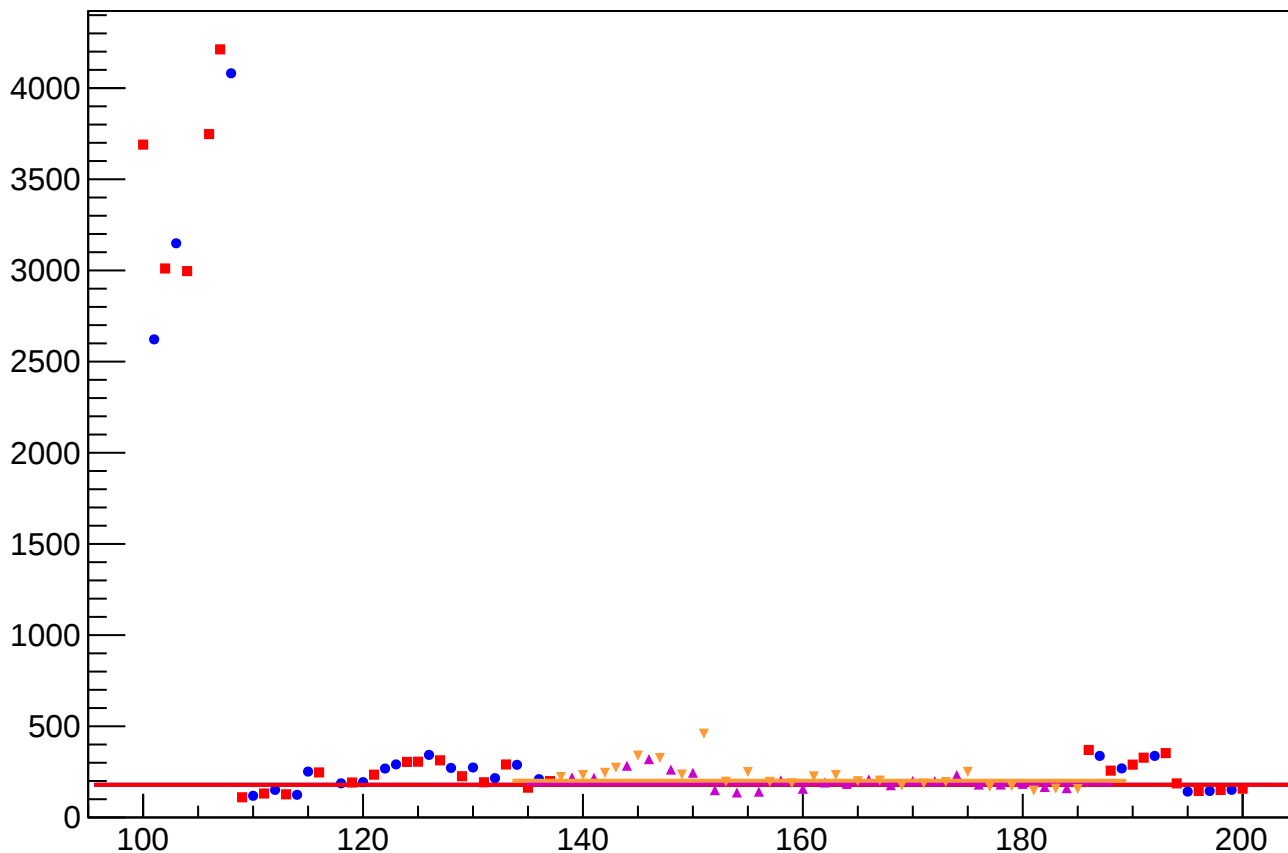
Left In: -31.477+/-46.483 χ^2 /NDF: 7.8/22

+ sign -7.805+/-38.432 χ^2 /NDF: 25.7/47

All: -11.372+/-26.321 χ^2 /NDF: 48.5/98

- sign -14.523+/-36.122 χ^2 /NDF: 22.8/50

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 179.610 $\pm$ 0.044 χ^2 /NDF: 4414325.2/22

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 179.102 $\pm$ 0.041 χ^2 /NDF: 5252975.8/27

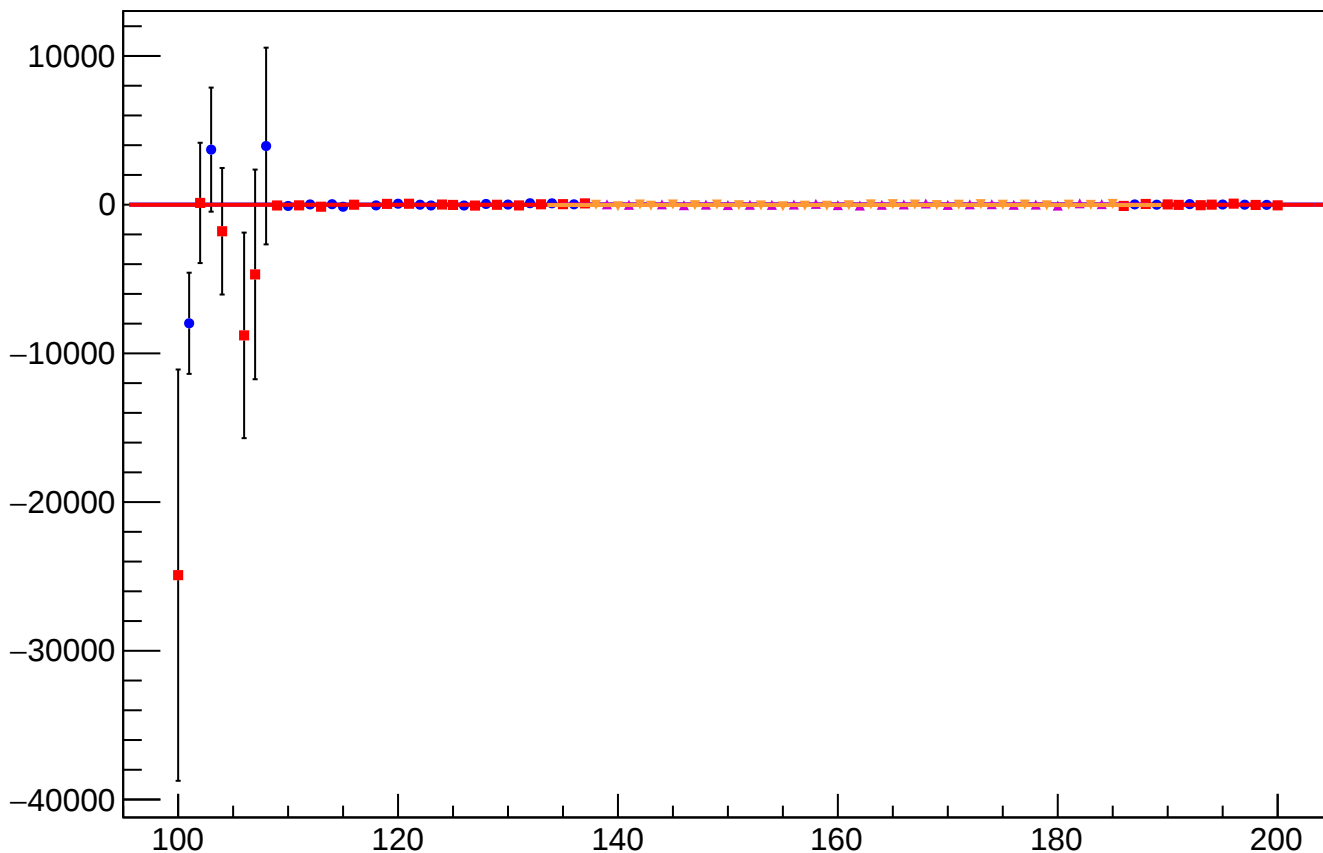
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 193.225 $\pm$ 0.027 χ^2 /NDF: 6421840.4/47

All: 187.899 $\pm$ 0.019 χ^2 /NDF: 13144865.9/98

- sign 183.194 $\pm$ 0.026 χ^2 /NDF: 6650691.6/50

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.890 $\pm$ 11.153 χ^2 /NDF: 21.2/22

Left Out: -24.144 $\pm$ 8.076 χ^2 /NDF:24.9/24

Right Out: -6.239 $\pm$ 10.193 χ^2 /NDF: 31.0/27

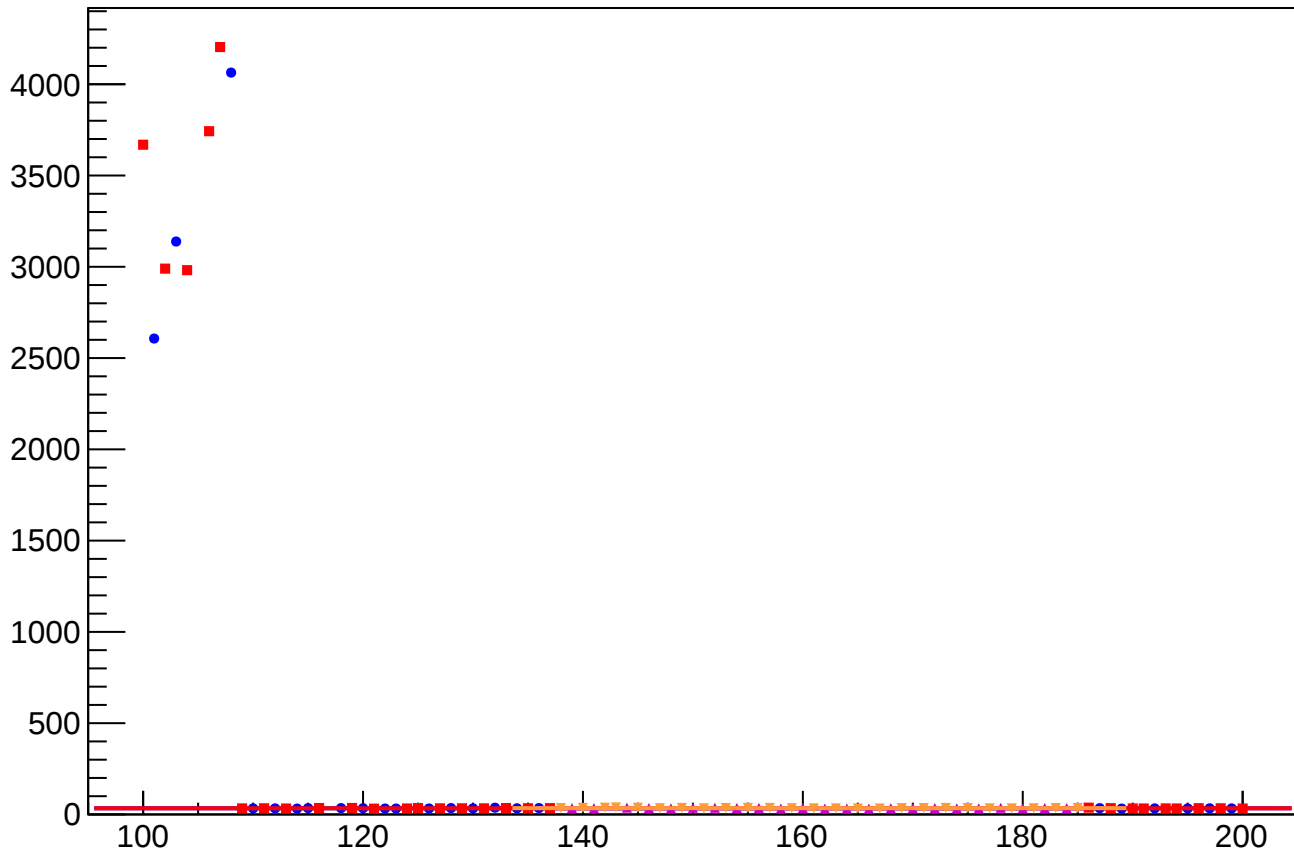
Left In: 5.924 $\pm$ 8.340 χ^2 /NDF:21.0/22

+ sign -13.469 $\pm$ 6.541 χ^2 /NDF: 51.2/47

All: -6.114 $\pm$ 4.594 χ^2 /NDF: 106.5/98

- sign 1.046 $\pm$ 6.455 χ^2 /NDF: 52.8/50

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.729 $\pm$ 0.008 χ^2 /NDF: 3011587.3/22

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.778 $\pm$ 0.007 χ^2 /NDF: 3464764.9/27

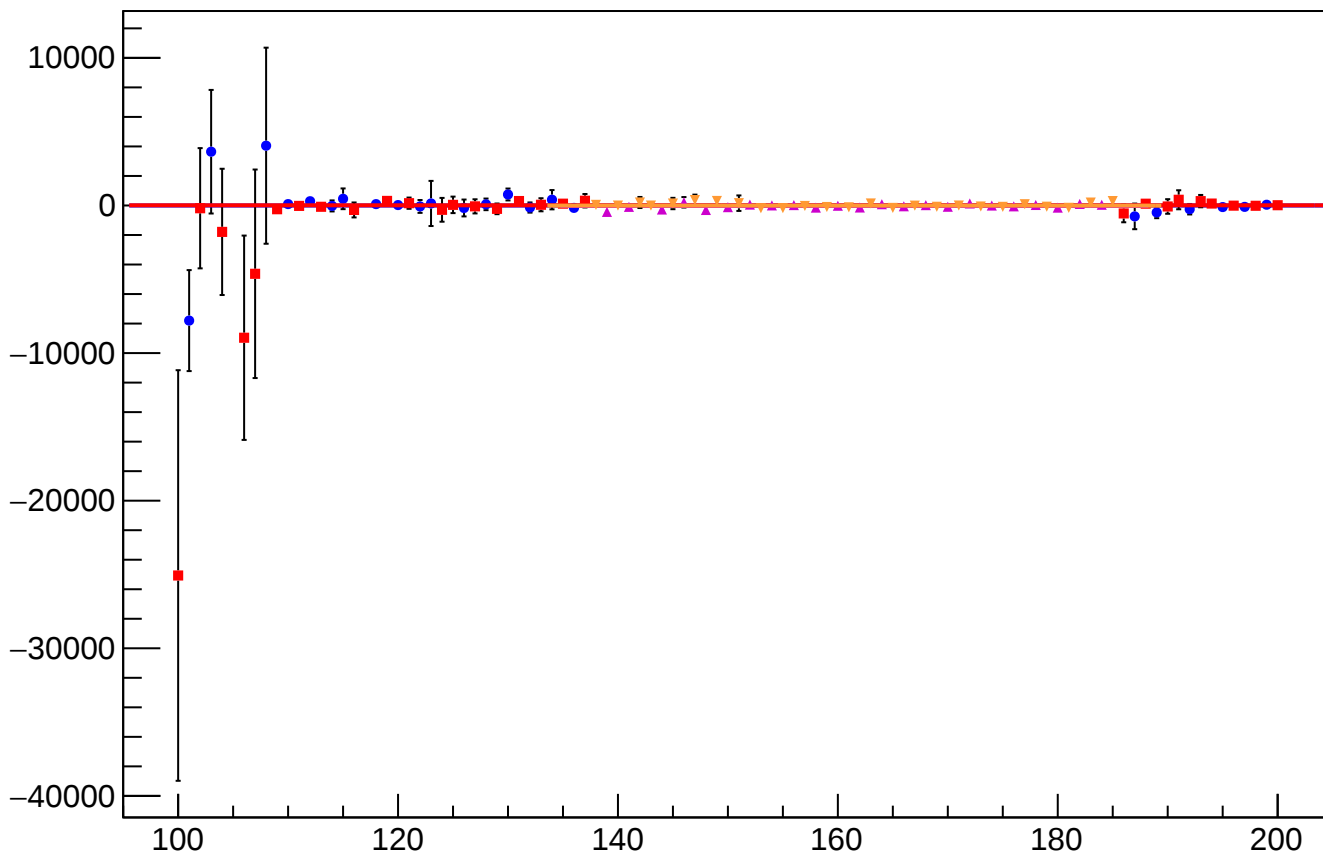
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.312 $\pm$ 0.005 χ^2 /NDF: 3077775.9/47

All: 34.316 $\pm$ 0.003 χ^2 /NDF: 6611797.6/98

- sign 34.319 $\pm$ 0.005 χ^2 /NDF: 3534020.4/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -2.853+/-62.296 χ^2/NDF : 17.0/22

Left Out: -7.558+/-48.662 χ^2/NDF : 8.8/24

Right Out: 12.696+/-57.140 χ^2/NDF : 13.3/27

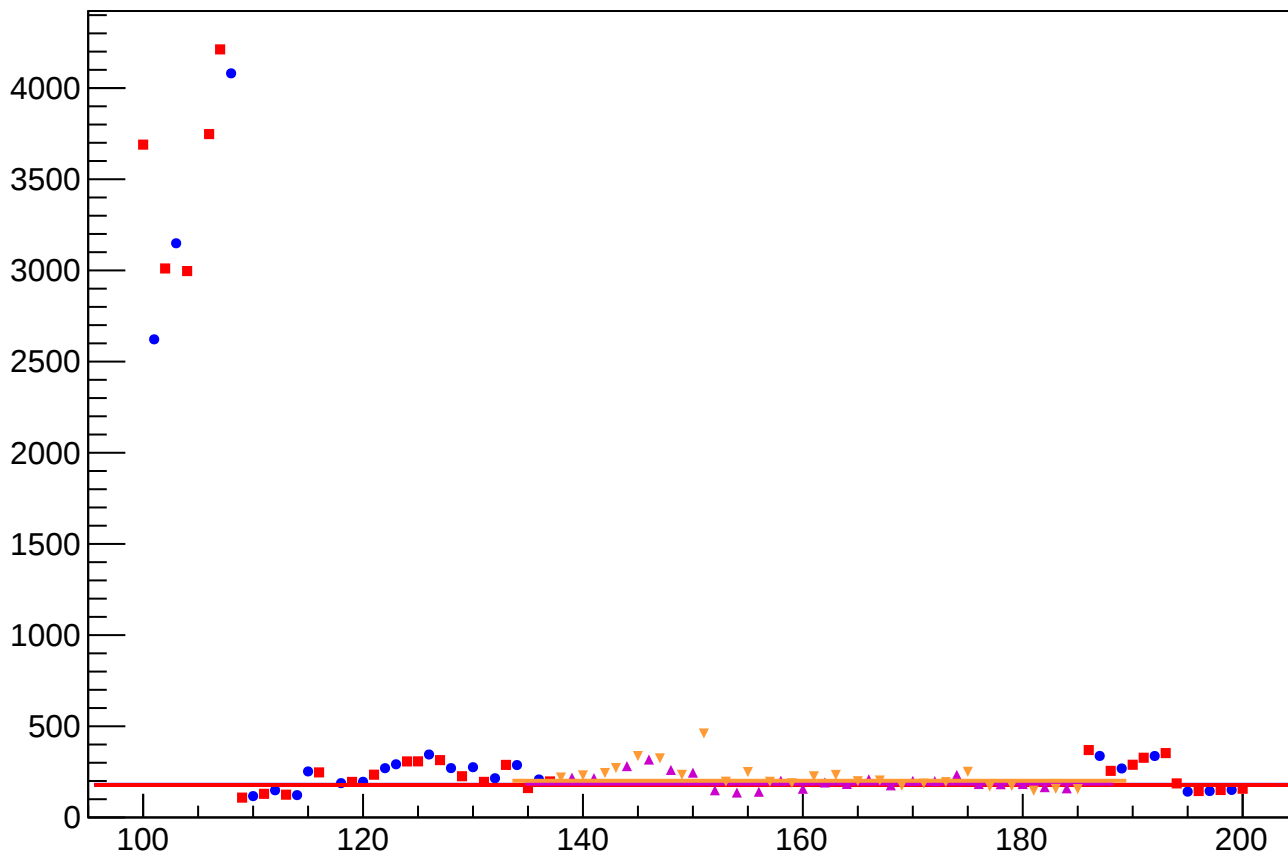
Left In: -34.977+/-46.421 χ^2/NDF : 7.1/22

+ sign -5.775+/-38.349 χ^2/NDF : 25.8/47

All: -11.218+/-26.258 χ^2/NDF : 46.7/98

- sign -16.023+/-36.029 χ^2/NDF : 20.9/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 178.877 $\pm$ 0.044 χ^2 /NDF: 4444794.7/22

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF: 1848437.4/24

Right Out: 178.068 $\pm$ 0.040 χ^2 /NDF: 5304269.5/27

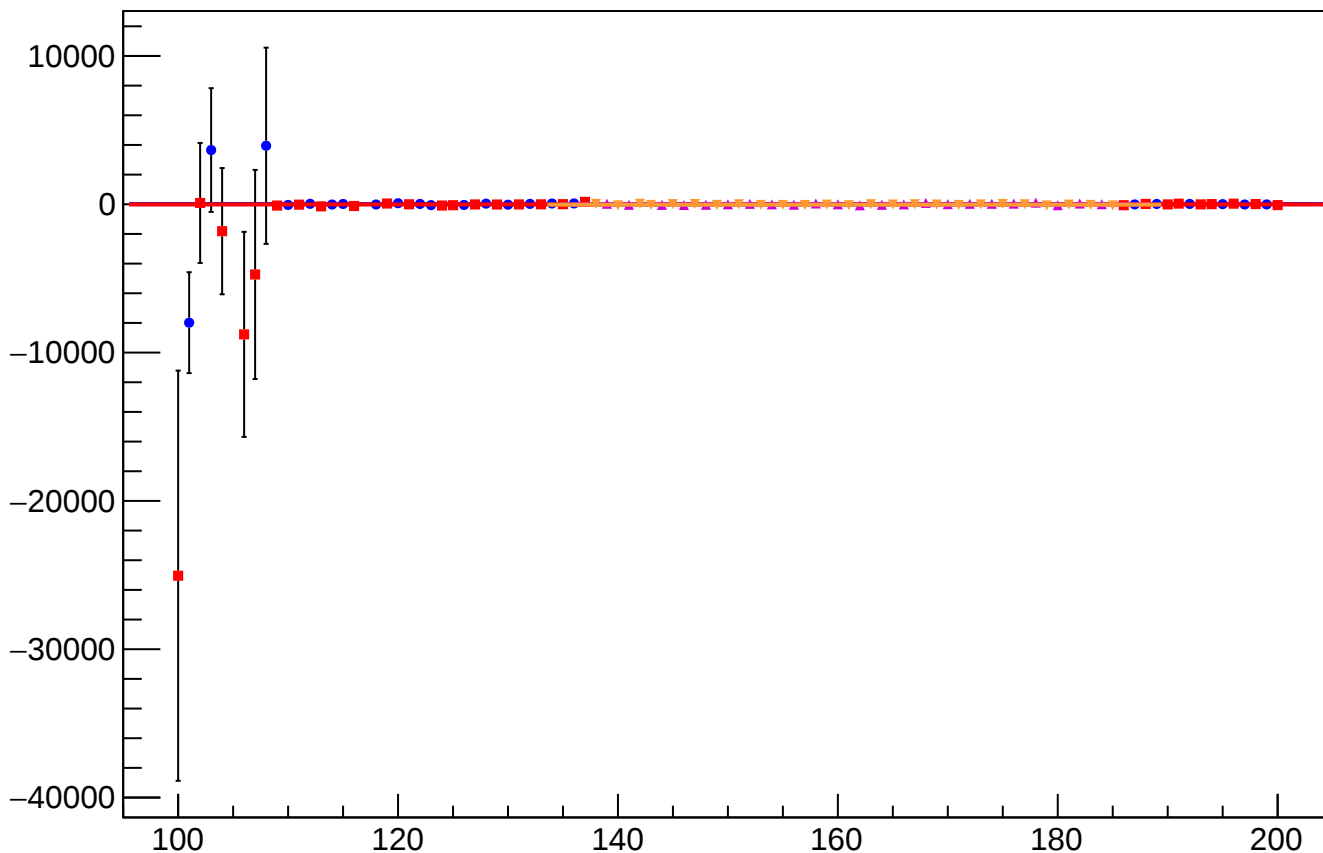
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 192.740 $\pm$ 0.027 χ^2 /NDF: 6452696.3/47

All: 187.366 $\pm$ 0.019 χ^2 /NDF: 13223410.6/98

- sign 182.622 $\pm$ 0.025 χ^2 /NDF: 6696767.5/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 10.171+/-10.121 χ^2/NDF : 16.0/22

Left Out: -23.320+/-7.352 χ^2/NDF :18.3/24

Right Out: -9.825+/-9.245 χ^2/NDF : 36.1/27

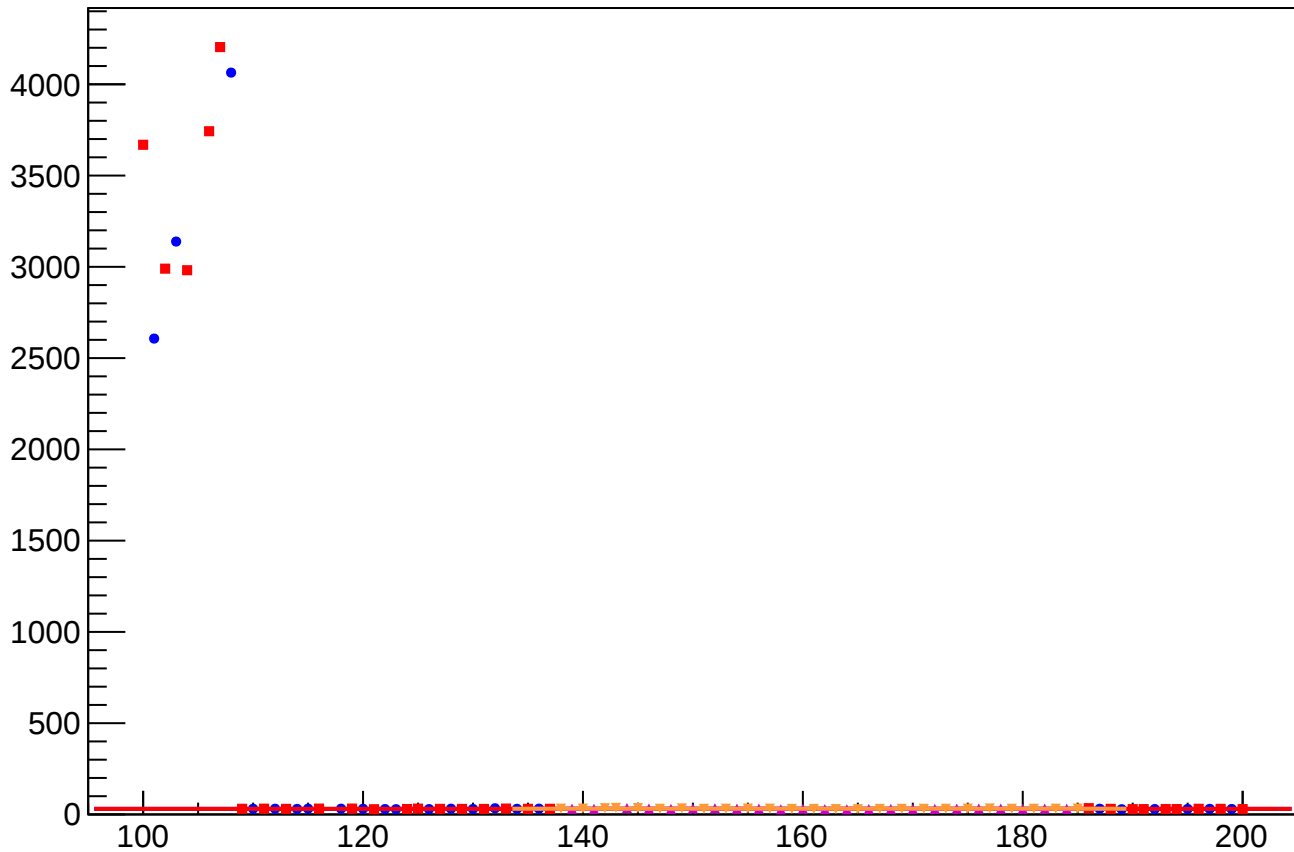
Left In: 6.386+/-7.577 χ^2/NDF :38.7/22

+ sign -11.752+/-5.948 χ^2/NDF : 41.5/47

All: -5.853+/-4.175 χ^2/NDF : 120.1/98

- sign -0.128+/-5.860 χ^2/NDF : 76.7/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.598 $\pm$ 0.007 χ^2 /NDF: 3025311.7/22

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.610 $\pm$ 0.007 χ^2 /NDF: 3479625.5/27

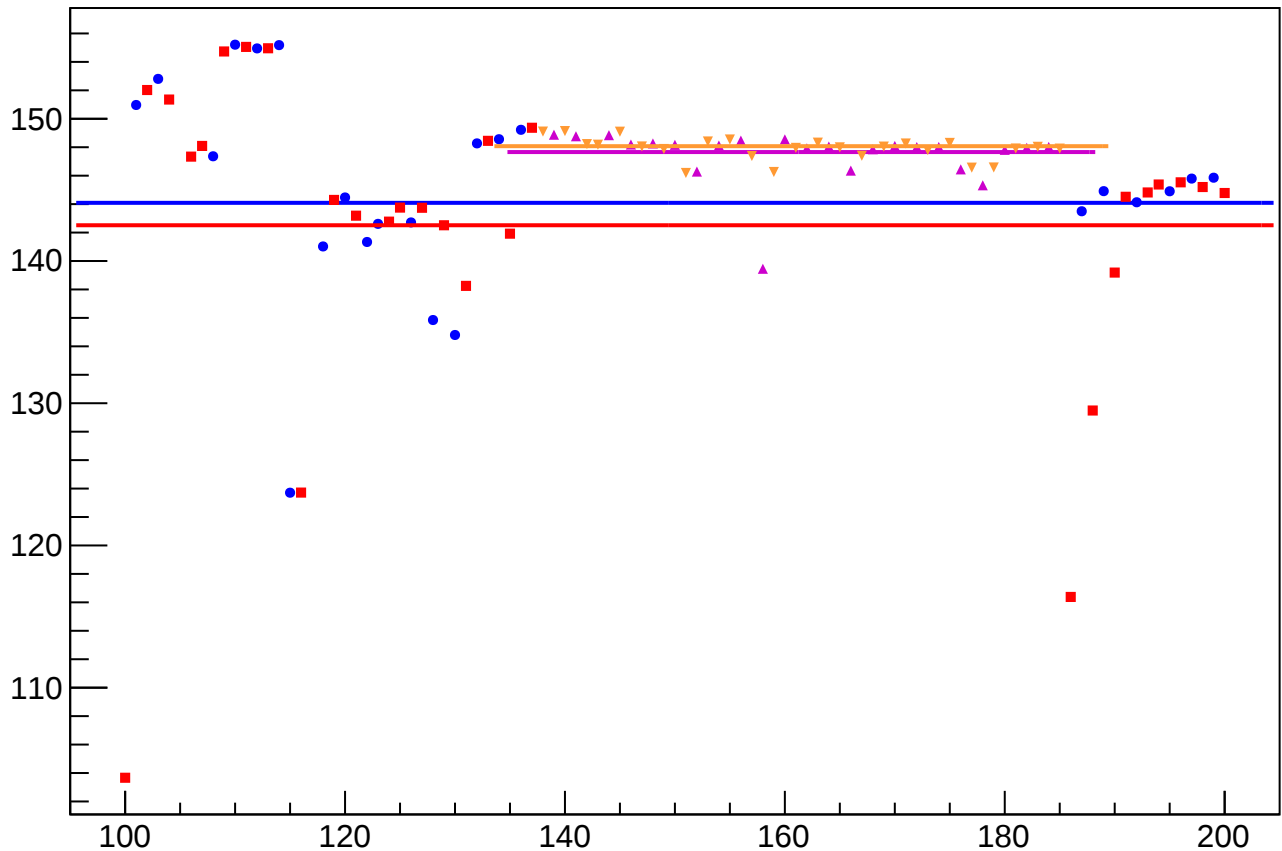
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.181 $\pm$ 0.004 χ^2 /NDF: 3117390.1/47

All: 31.154 $\pm$ 0.003 χ^2 /NDF: 6695380.3/98

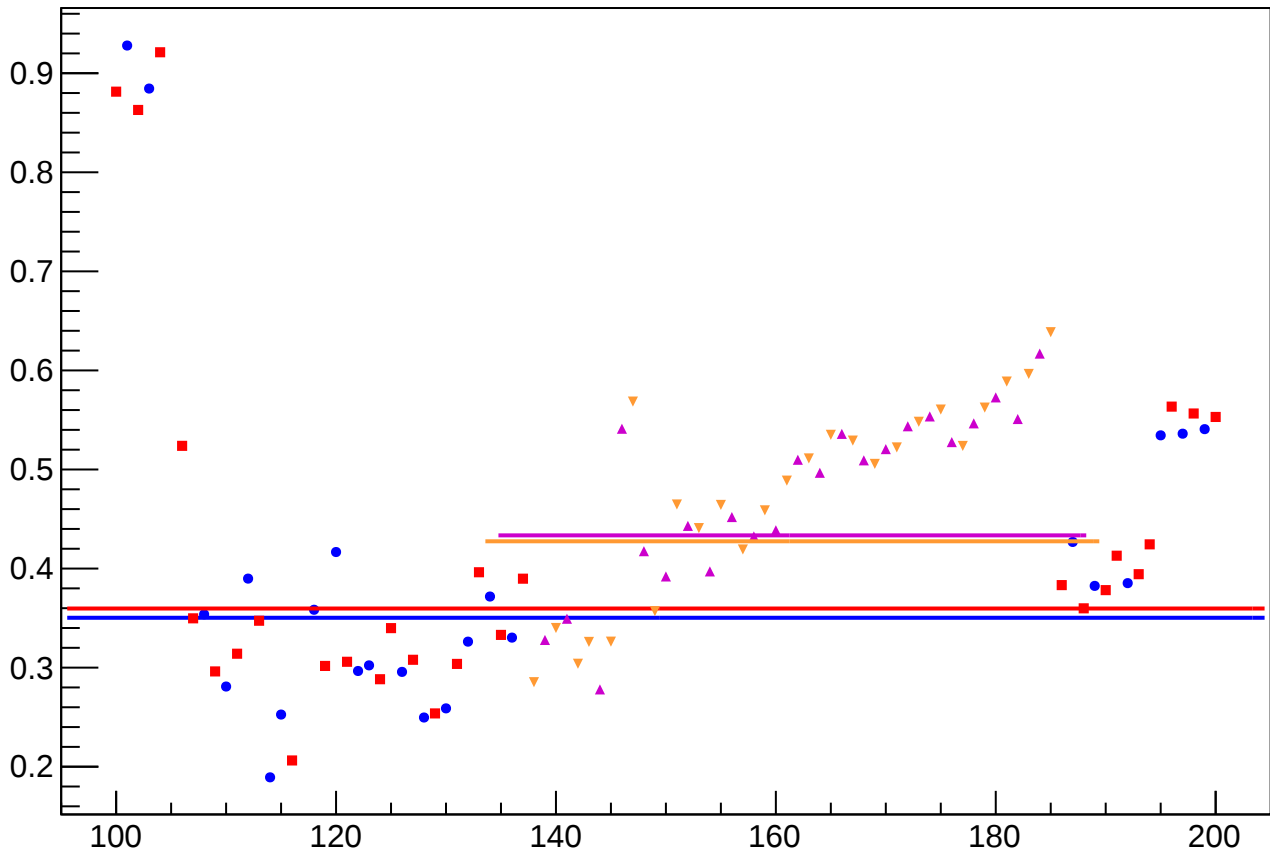
- sign 31.128 $\pm$ 0.004 χ^2 /NDF: 3577909.1/50

yield_bcm_an_ds_mean vs Slug



Right In: 144.090 $\pm$ 0.000	χ^2 /NDF: 3470331888.0/22	+ sign 146.321 $\pm$ 0.000	χ^2 /NDF: 4182719949.8/47
Left Out: 148.074 $\pm$ 0.000	χ^2 /NDF: 65673678.9/24	All: 145.692 $\pm$ 0.000	χ^2 /NDF: 13158345932.0
Right Out: 142.514 $\pm$ 0.000	χ^2 /NDF: 7365636091.8/27	- sign 145.086 $\pm$ 0.000	χ^2 /NDF: 8847136145.7/50
Left In: 147.660 $\pm$ 0.000	χ^2 /NDF: 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.350 ± 0.000 χ^2/NDF : 1964601.2/22

Left Out: 0.428 ± 0.000 χ^2/NDF : 1892802.8/24

Right Out: 0.360 ± 0.000 χ^2/NDF : 2030936.1/27

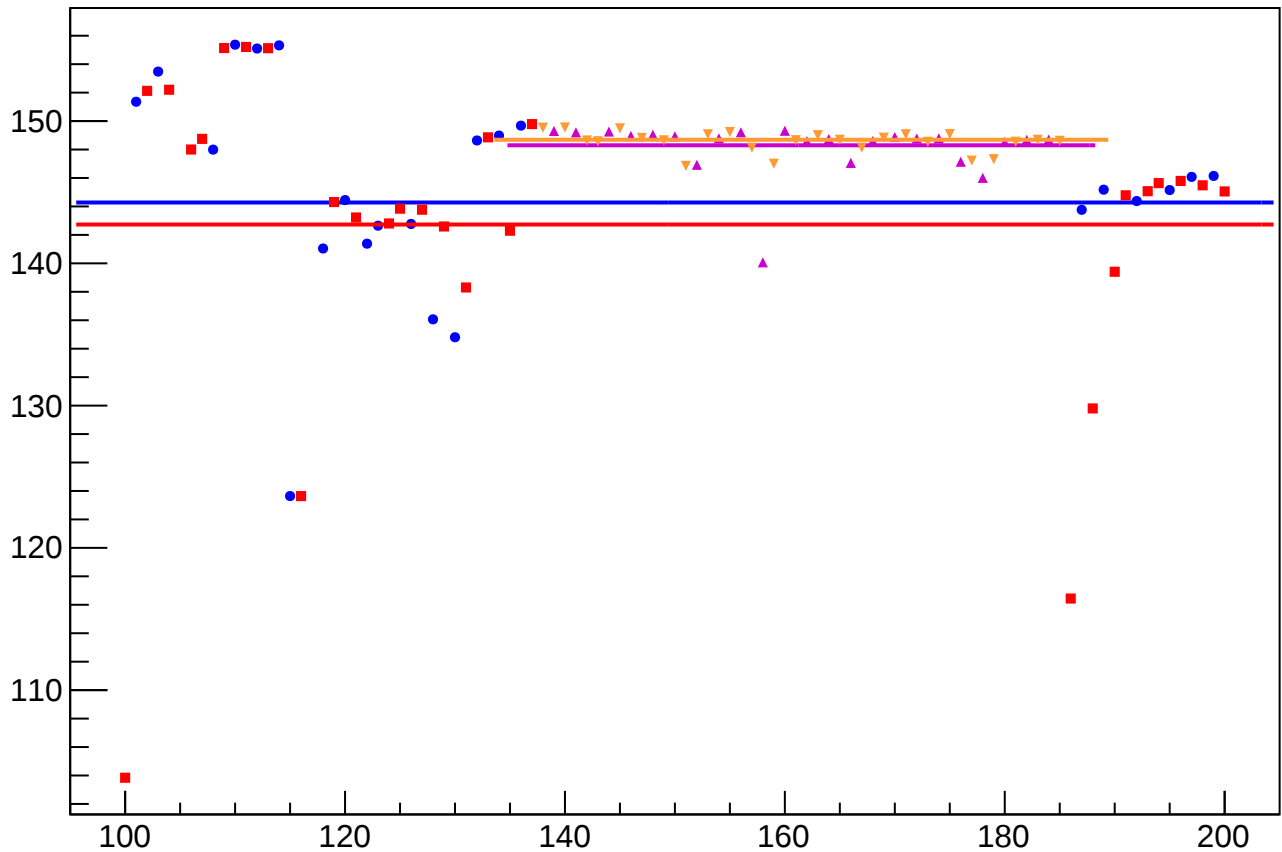
Left In: 0.434 ± 0.000 χ^2/NDF : 1479367.0/22

+ sign 0.394 ± 0.000 χ^2/NDF : 4343165.4/47

All: 0.395 ± 0.000 χ^2/NDF : 8323392.0/98

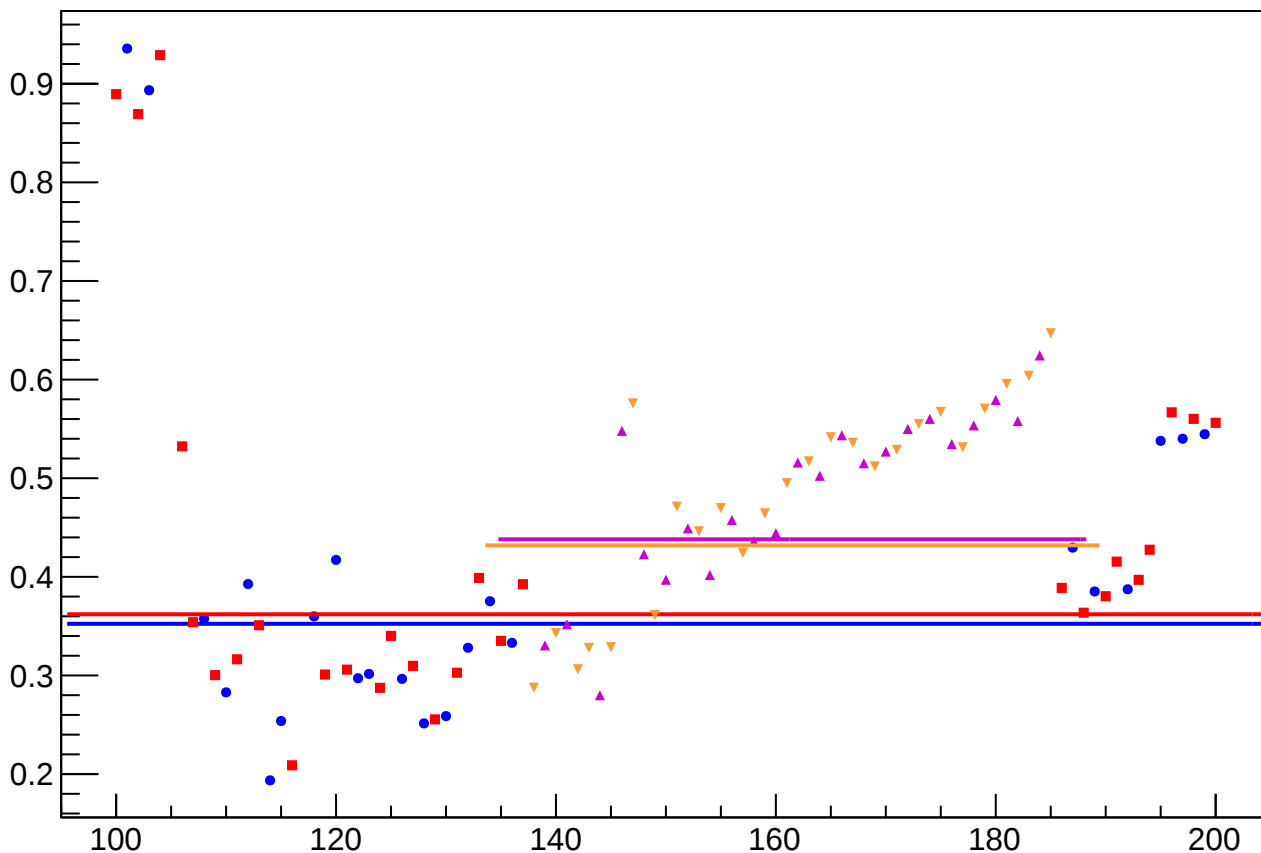
- sign 0.397 ± 0.000 χ^2/NDF : 3978685.1/50

yield_bcm_an_ds3_mean vs Slug



Right In: 144.276+/-0.000	χ^2/NDF : 3516989442.6/22	+ sign 146.735+/-0.000	χ^2/NDF : 4349540703.6/47
Left Out: 148.687+/-0.000	χ^2/NDF : 52285197.5/24	All: 146.106+/-0.000	χ^2/NDF : 13429911596.
Right Out: 142.729+/-0.000	χ^2/NDF : 7312385925.7/27	- sign 145.500+/-0.000	χ^2/NDF : 8954001658.9/50
Left In: 148.298+/-0.000	χ^2/NDF : 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.352 $\pm$ 0.000 χ^2 /NDF: 1968695.7/22

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.362 $\pm$ 0.000 χ^2 /NDF: 2034898.7/27

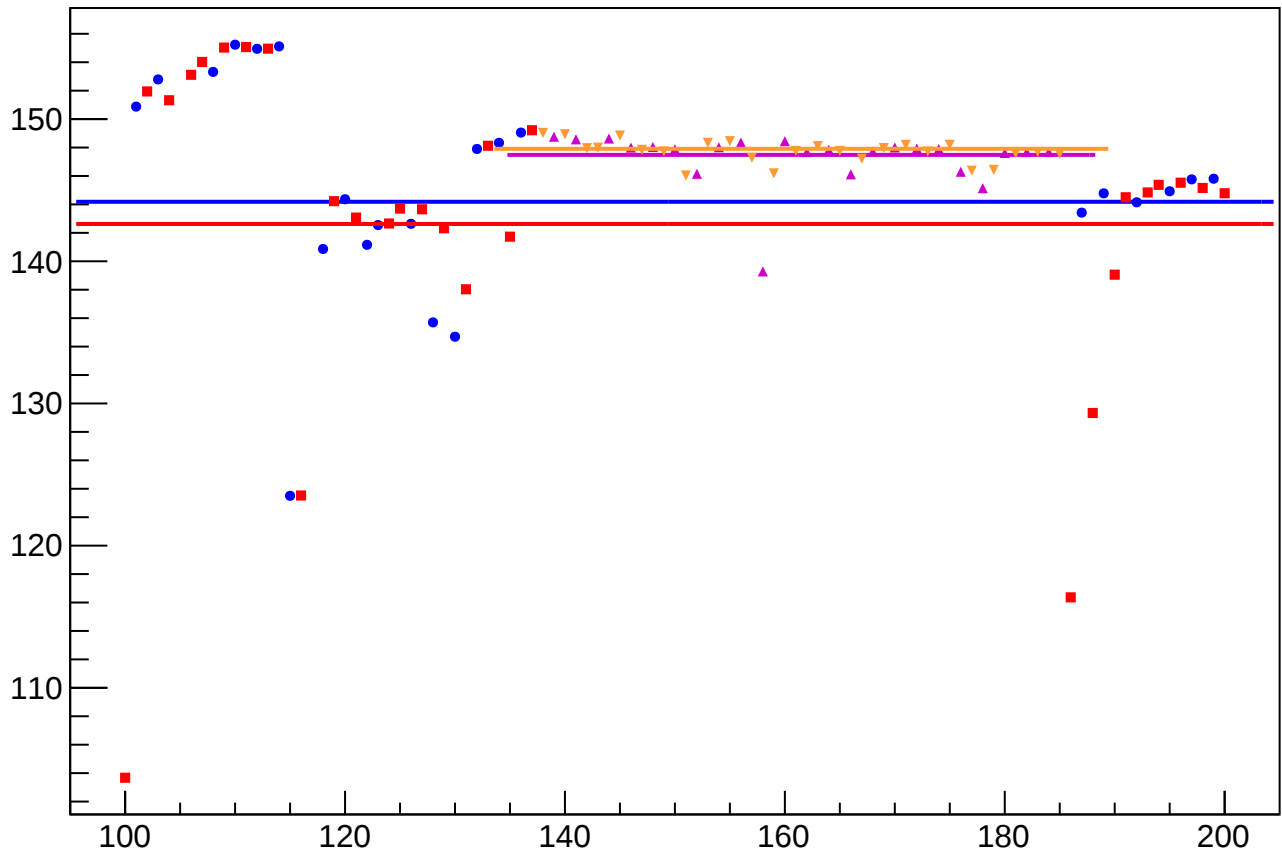
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.397 $\pm$ 0.000 χ^2 /NDF: 4401132.9/47

All: 0.398 $\pm$ 0.000 χ^2 /NDF: 8429991.2/98

- sign 0.400 $\pm$ 0.000 χ^2 /NDF: 4027213.9/50

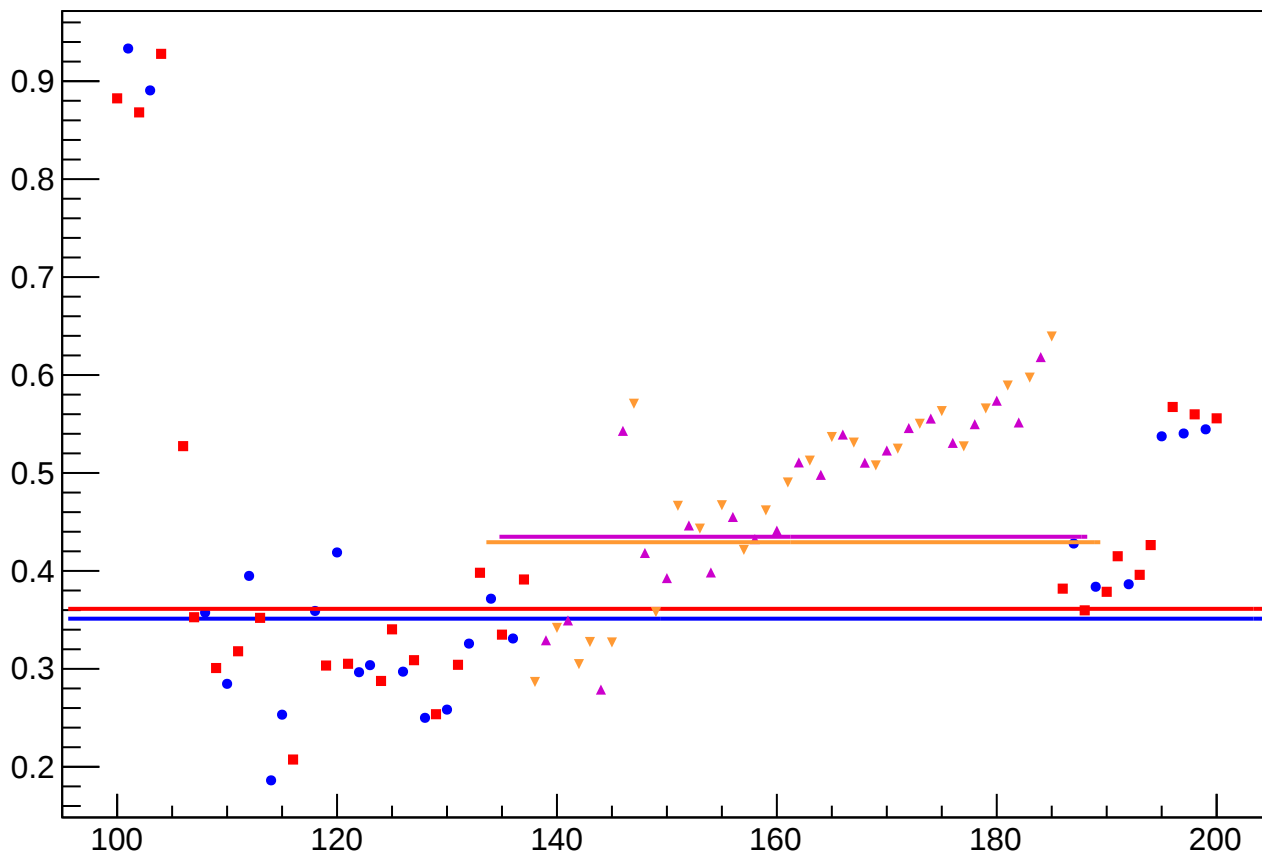
yield_bcm_an_us_mean vs Slug



Right In: 144.186 $\pm$ 0.000 χ^2 /NDF: 3679212472.7/22
 Left Out: 147.912 $\pm$ 0.000 χ^2 /NDF: 64463426.1/24
 Right Out: 142.625 $\pm$ 0.000 χ^2 /NDF: 7748600857.5/27
 Left In: 147.483 $\pm$ 0.000 χ^2 /NDF: 342674720.4/22

+ sign 146.270 $\pm$ 0.000 χ^2 /NDF: 4305503995.1/47
 All: 145.652 $\pm$ 0.000 χ^2 /NDF: 13526175497.
 - sign 145.056 $\pm$ 0.000 χ^2 /NDF: 9097335515.6/50

yield_bcm_an_us_rms vs Slug



Right In: 0.351 ± 0.000 χ^2/NDF : 1988845.0/22

Left Out: 0.429 ± 0.000 χ^2/NDF : 1891709.3/24

Right Out: 0.361 ± 0.000 χ^2/NDF : 2035557.7/27

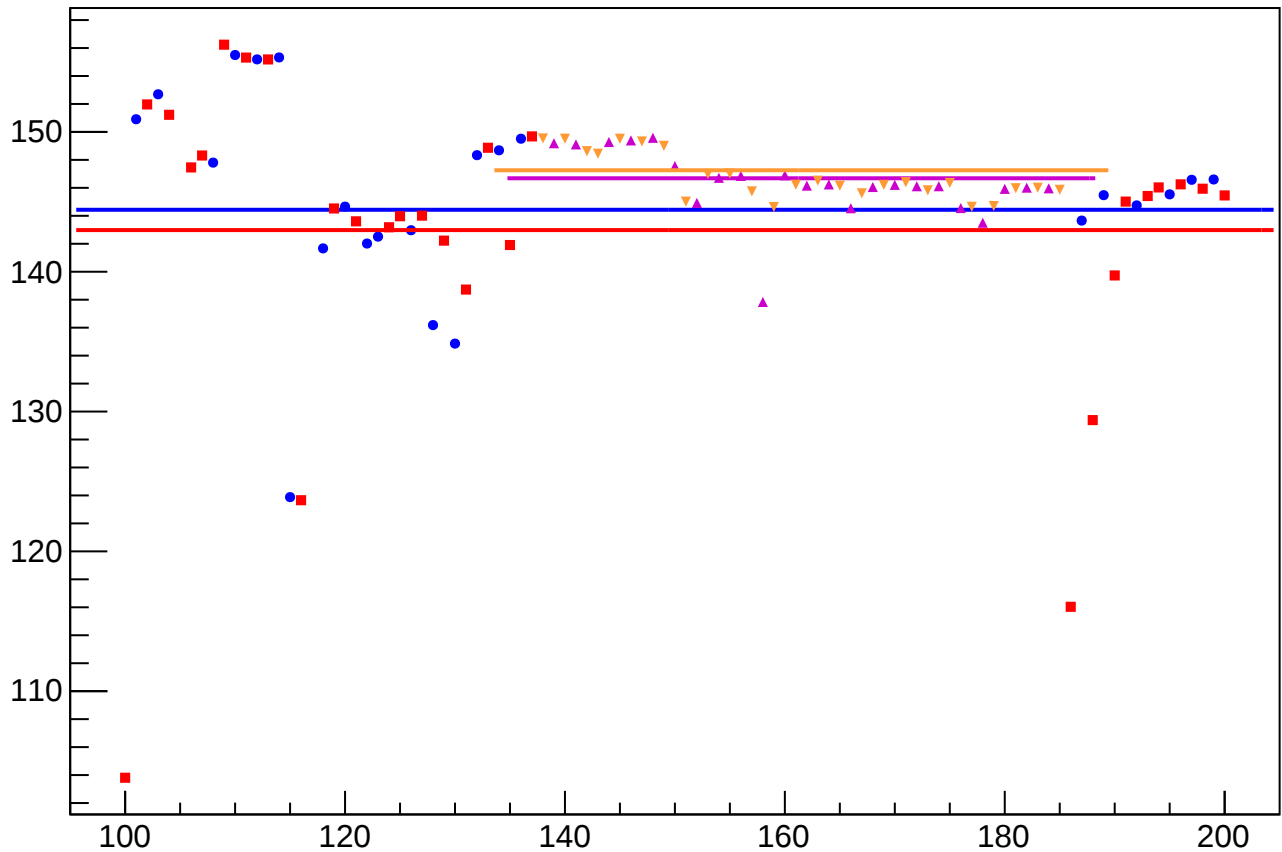
Left In: 0.435 ± 0.000 χ^2/NDF : 1485915.1/22

+ sign 0.395 ± 0.000 χ^2/NDF : 4373690.8/47

All: 0.397 ± 0.000 χ^2/NDF : 8358513.4/98

- sign 0.398 ± 0.000 χ^2/NDF : 3983114.6/50

yield_bcm_dg_us_mean vs Slug



Right In: 144.432 $\pm$ 0.000 χ^2 /NDF: 3194235549.0/22

Left Out: 147.257 $\pm$ 0.000 χ^2 /NDF: 261906278.3/24

Right Out: 142.979 $\pm$ 0.000 χ^2 /NDF: 7073731896.6/27

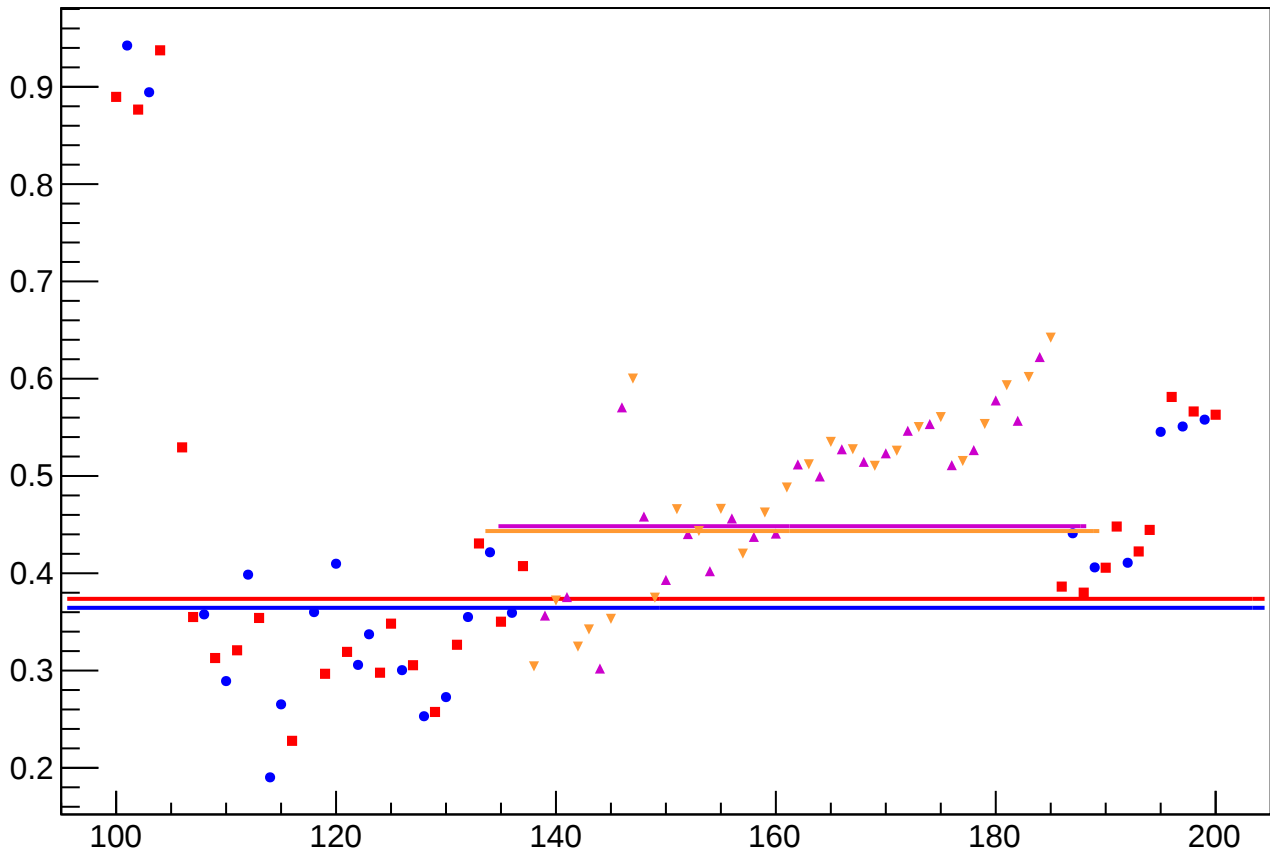
Left In: 146.685 $\pm$ 0.000 χ^2 /NDF: 554922388.0/22

+ sign 146.027 $\pm$ 0.000 χ^2 /NDF: 3758216948.9/47

All: 145.427 $\pm$ 0.000 χ^2 /NDF: 12046873152.0/100

- sign 144.850 $\pm$ 0.000 χ^2 /NDF: 8179820315.9/50

yield_bcm_dg_us_rms vs Slug



Right In: 0.364 ± 0.000 χ^2/NDF : 1949500.8/22

Left Out: 0.443 ± 0.000 χ^2/NDF : 1480479.3/24

Right Out: 0.374 ± 0.000 χ^2/NDF : 1986436.6/27

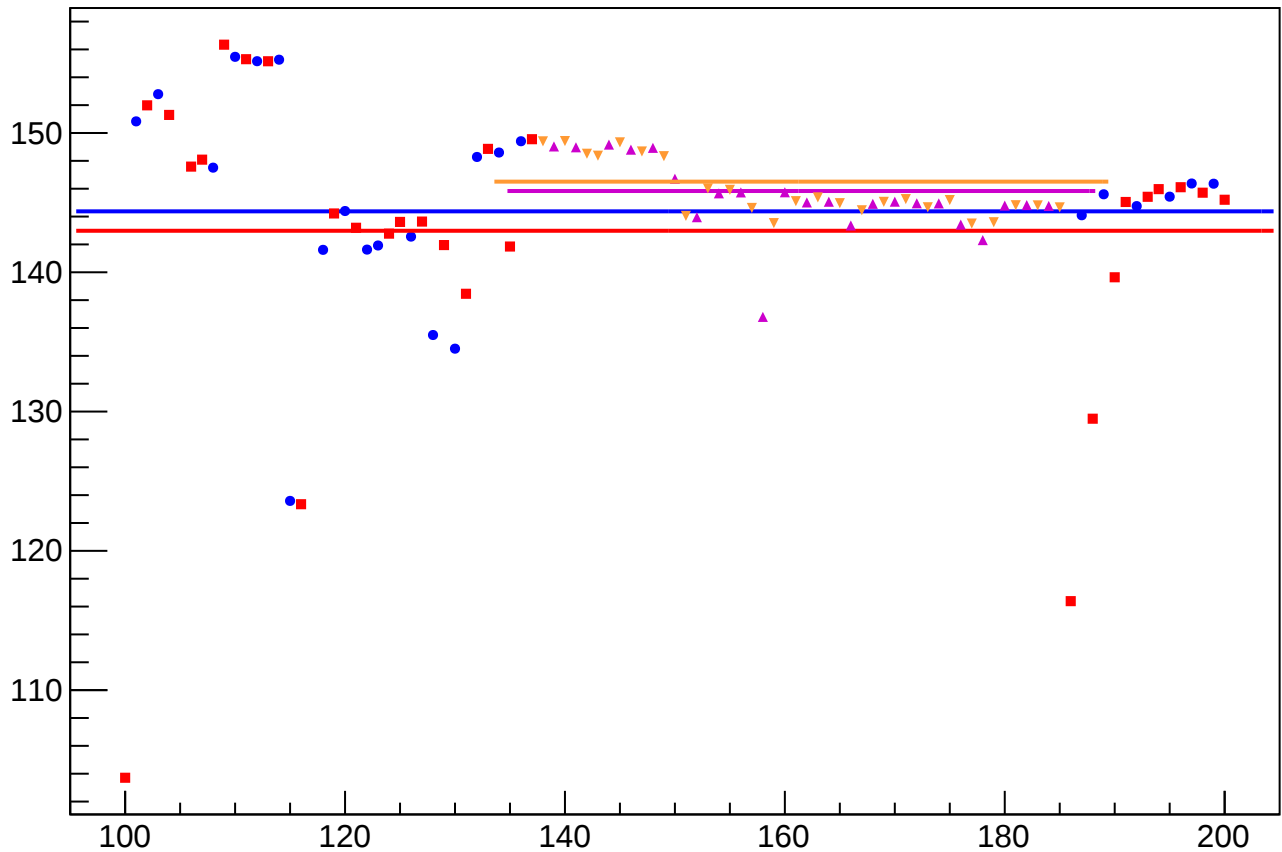
Left In: 0.448 ± 0.000 χ^2/NDF : 1120261.8/22

+ sign 0.409 ± 0.000 χ^2/NDF : 3901236.8/47

All: 0.410 ± 0.000 χ^2/NDF : 7456237.2/98

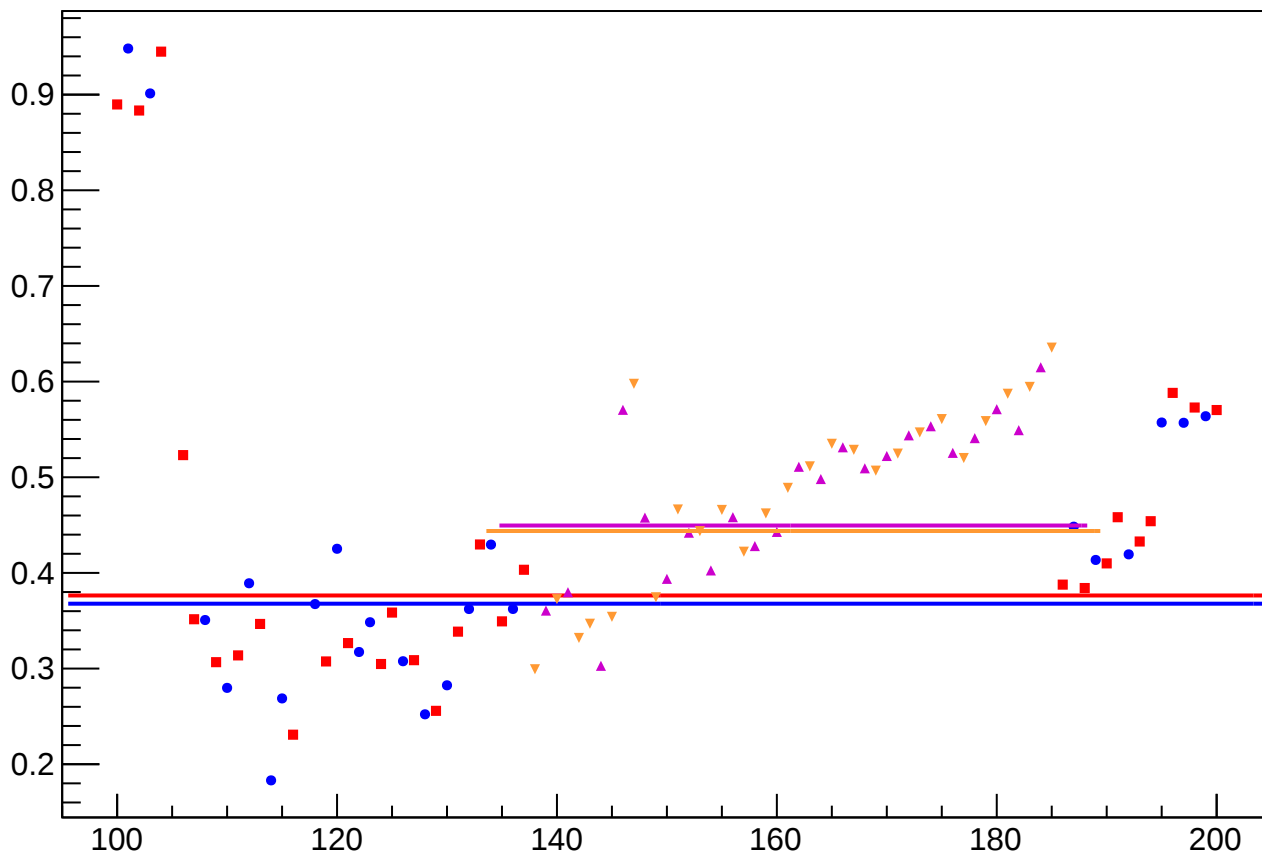
- sign 0.411 ± 0.000 χ^2/NDF : 3554095.4/50

yield_bcm_dg_ds_mean vs Slug



Right In: 144.375+/-0.000	χ^2/NDF : 3310128760.1/22	+ sign 145.590+/-0.000	χ^2/NDF : 3881290951.3/47
Left Out: 146.508+/-0.000	χ^2/NDF : 401248837.9/24	All: 144.999+/-0.000	χ^2/NDF : 12036981773.
Right Out: 142.980+/-0.000	χ^2/NDF : 7038057447.3/27	- sign 144.431+/-0.000	χ^2/NDF : 8051265603.1/50
Left In: 145.834+/-0.000	χ^2/NDF : 690172810.0/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.368 ± 0.000 $\chi^2/\text{NDF}: 1988507.4/22$

Left Out: 0.444 ± 0.000 $\chi^2/\text{NDF}: 1460383.7/24$

Right Out: 0.376 ± 0.000 $\chi^2/\text{NDF}: 2007503.7/27$

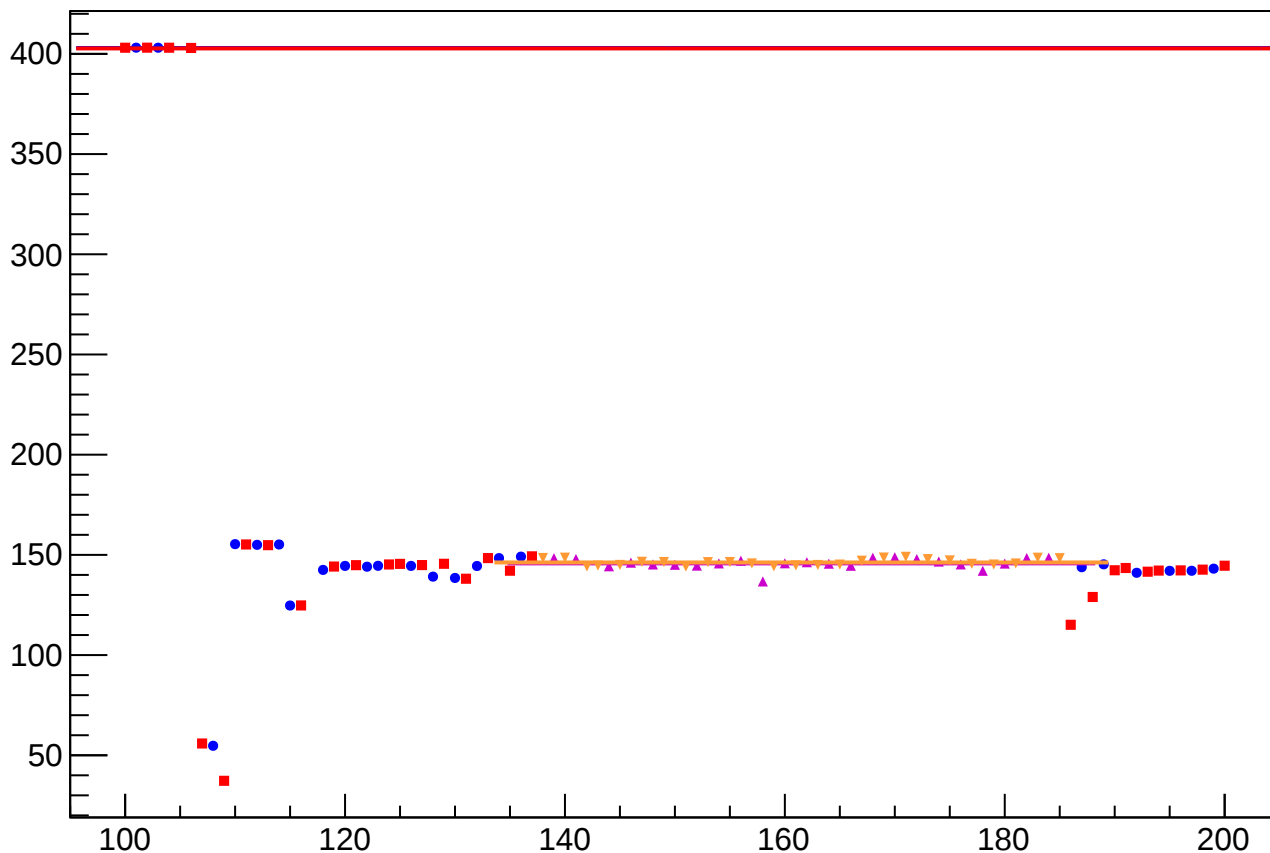
Left In: 0.450 ± 0.000 $\chi^2/\text{NDF}: 1092776.5/22$

+ sign 0.411 ± 0.000 $\chi^2/\text{NDF}: 3880049.3/47$

All: 0.412 ± 0.000 $\chi^2/\text{NDF}: 7405494.1/98$

- sign 0.414 ± 0.000 $\chi^2/\text{NDF}: 3524493.5/50$

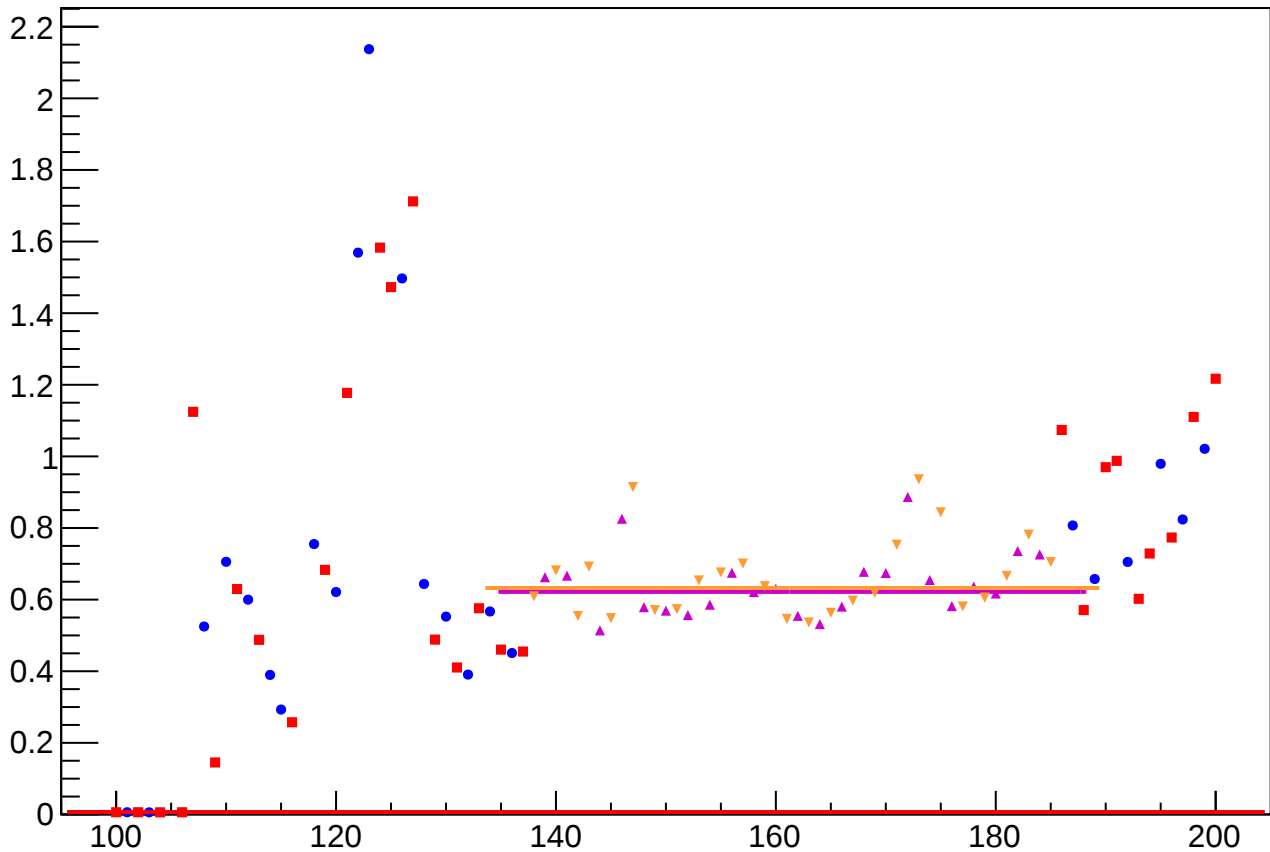
yield_cav4bQ_mean vs Slug



Right In: 402.920 $\pm$ 0.000 χ^2 /NDF: 1401220368472.4/22
 Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 86042286.3/24
 Right Out: 402.737 $\pm$ 0.000 χ^2 /NDF: 3680839616655.6/27
 Left In: 145.755 $\pm$ 0.000 χ^2 /NDF: 206171532.0/22

+ sign 402.625 $\pm$ 0.000 χ^2 /NDF: 3761824378016.9
 All: 402.548 $\pm$ 0.000 χ^2 /NDF: 977159369143
 - sign 402.480 $\pm$ 0.000 χ^2 /NDF: 6009423391754.1

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 15074190.8/22

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 43758786.7/47

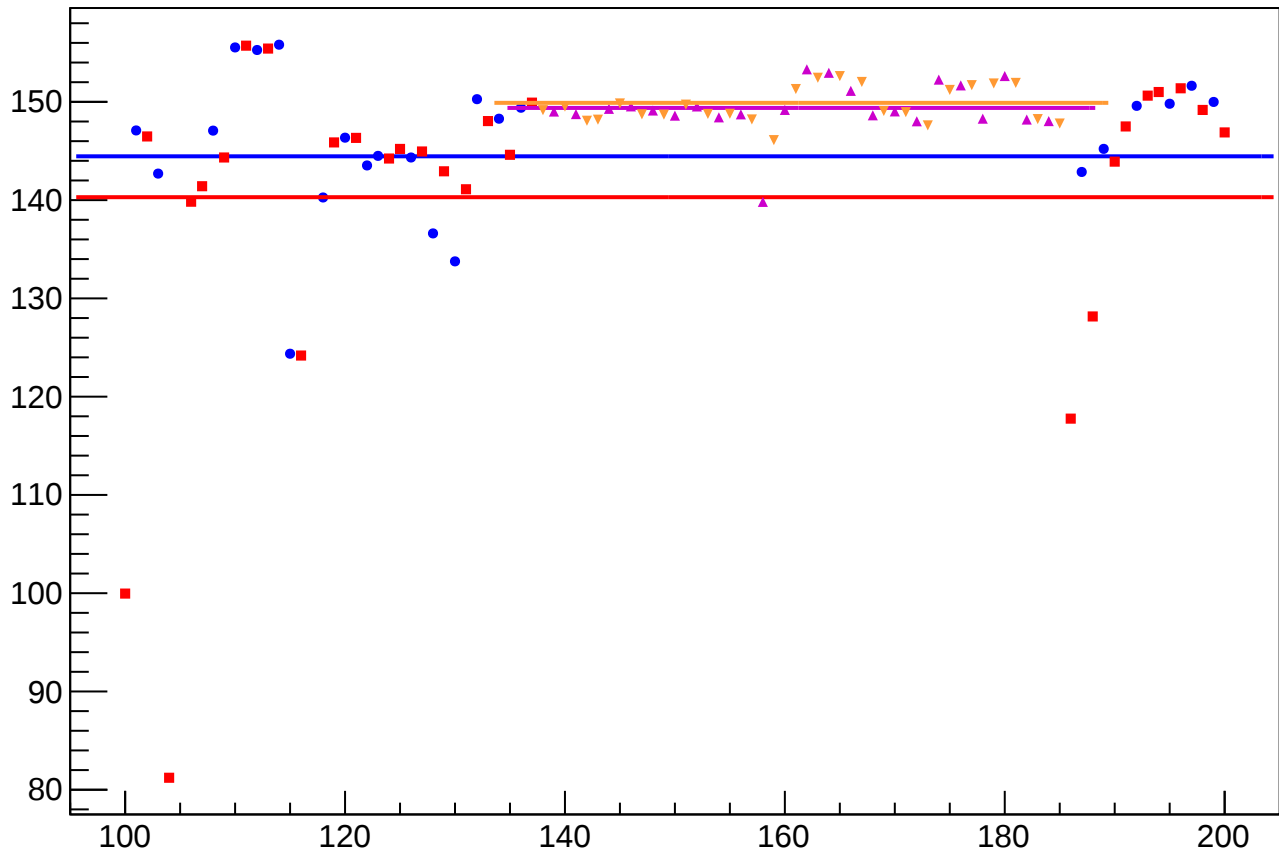
Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 18718205.2/27

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 89556592.3/98

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 45797683.2/50

Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

yield_cav4cQ_mean vs Slug



Right In: 144.458 $\pm$ 0.000 χ^2 /NDF: 1219985519.0/22

Left Out: 149.900 $\pm$ 0.000 χ^2 /NDF: 162845622.6/24

Right Out: 140.299 $\pm$ 0.000 χ^2 /NDF: 3028639343.2/27

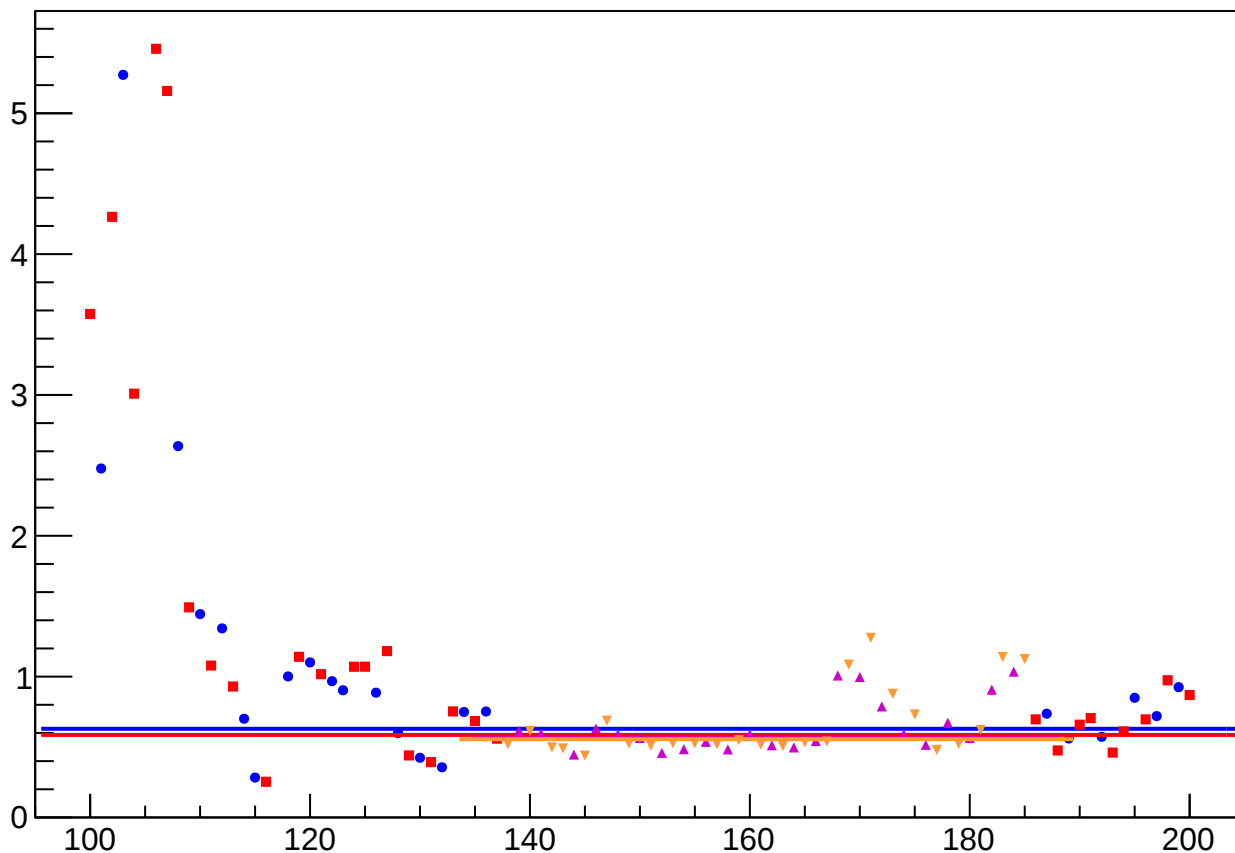
Left In: 149.382 $\pm$ 0.000 χ^2 /NDF: 434657827.5/22

+ sign 148.568 $\pm$ 0.000 χ^2 /NDF: 1750752753.0/47

All: 147.451 $\pm$ 0.000 χ^2 /NDF: 6663558229.5

- sign 146.387 $\pm$ 0.000 χ^2 /NDF: 4749228864.8/50

yield_cav4cQ_rms vs Slug



Right In: 0.630 ± 0.000 χ^2/NDF : 3840849.8/22

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.586 ± 0.000 χ^2/NDF : 5273584.1/27

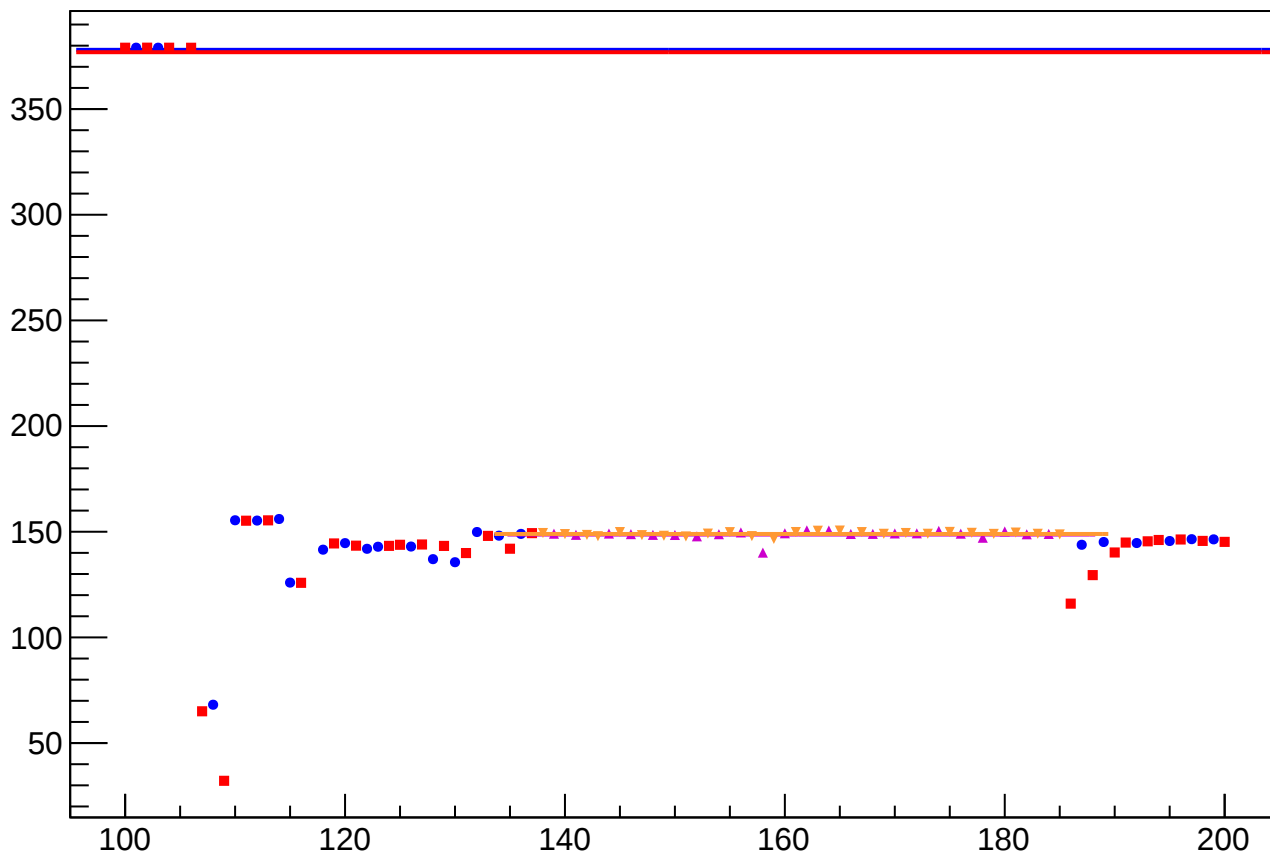
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.574 ± 0.000 χ^2/NDF : 5751200.6/47

All: 0.572 ± 0.000 χ^2/NDF : 12349946.8/98

- sign 0.570 ± 0.000 χ^2/NDF : 6597737.8/50

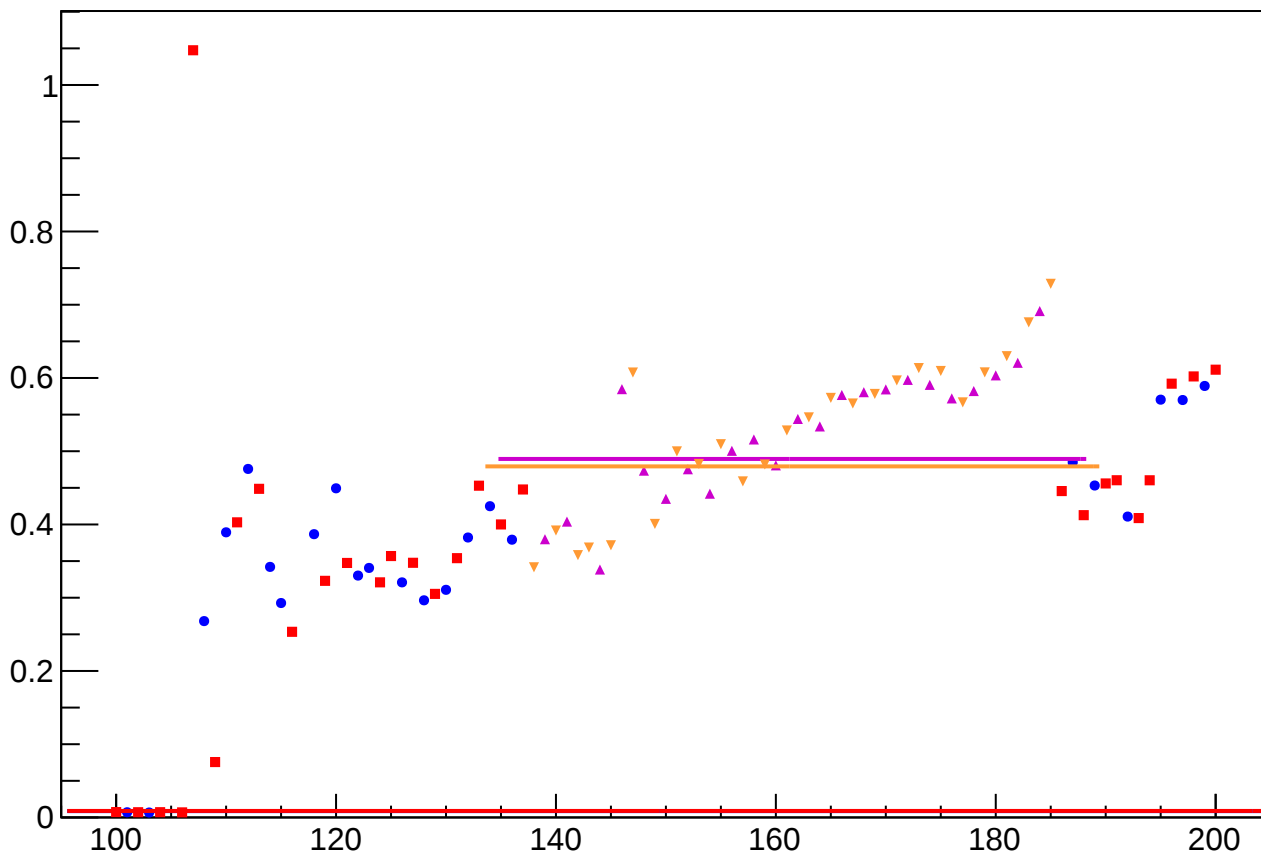
yield_cav4dQ_mean vs Slug



Right In: 378.031+/-0.000 χ^2/NDF : 3289618484666.7/22
 Left Out: 148.944+/-0.000 χ^2/NDF : 63976941.3/24
 Right Out: 376.913+/-0.000 χ^2/NDF : 9638893018715.3/27
 Left In: 148.672+/-0.000 χ^2/NDF : 252846428.3/22

+ sign 376.754+/-0.000 χ^2/NDF : 7188255360951.6
 All: 376.294+/-0.000 χ^2/NDF : 20379783989
 - sign 375.891+/-0.000 χ^2/NDF : 13186212122033.0

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 17007305.5/22

Left Out: 0.479+/-0.000 χ^2/NDF : 1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 20428062.6/27

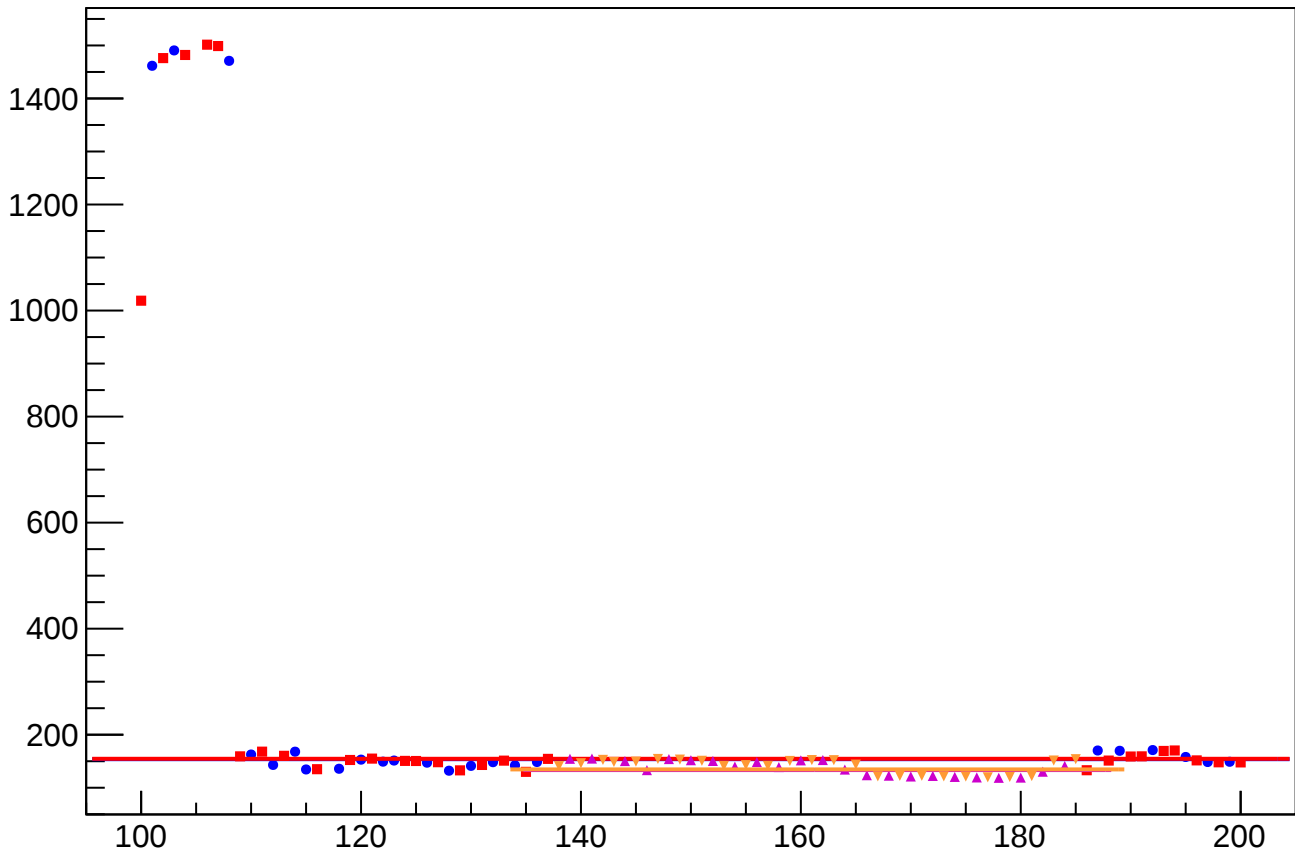
Left In: 0.489+/-0.000 χ^2/NDF : 1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 51433681.1/47

All: 0.011+/-0.000 χ^2/NDF : 104390041.2/98

- sign 0.011+/-0.000 χ^2/NDF : 52955537.1/50

yield_bcm0l02_mean vs Slug



Right In: 153.860+/-0.000 χ^2/NDF : 25503737485.4/22

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 154.576+/-0.000 χ^2/NDF : 34828393509.0/27

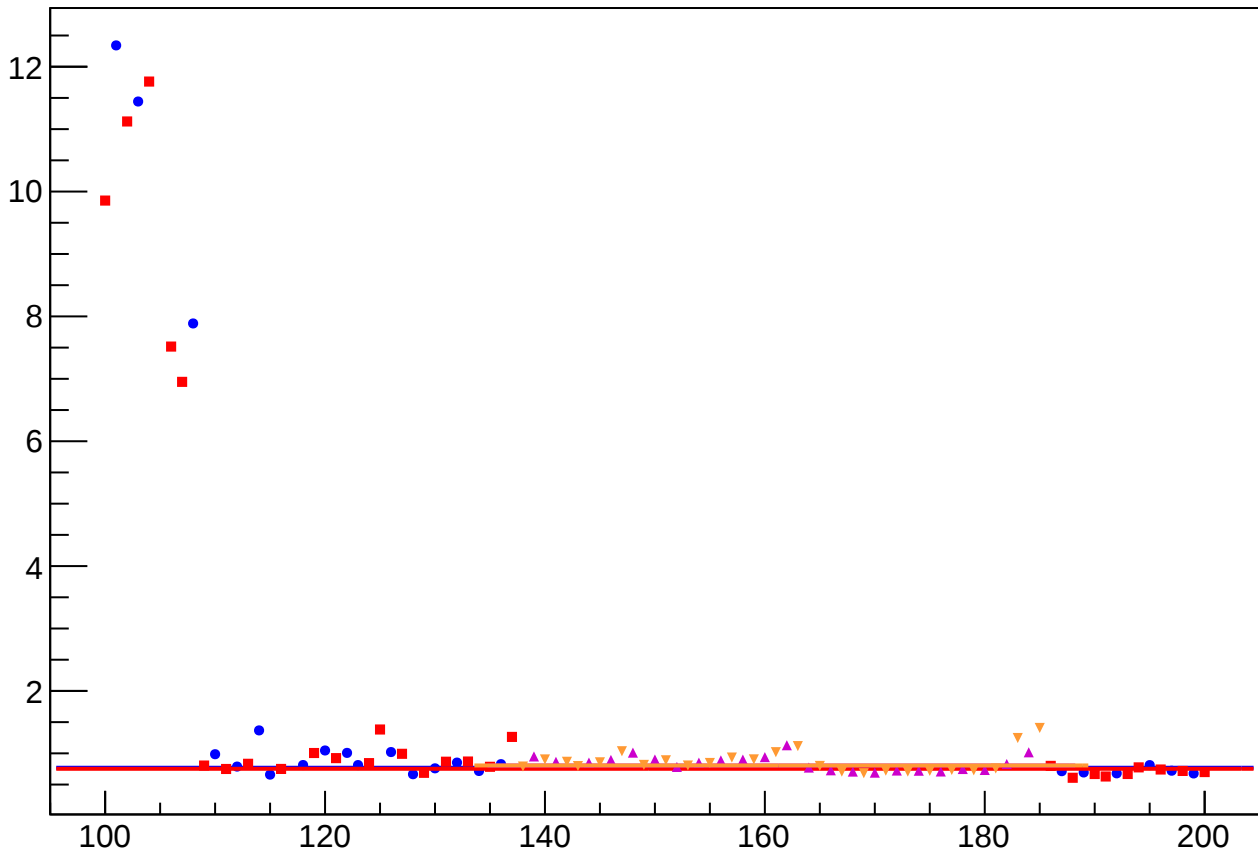
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 141.105+/-0.000 χ^2/NDF : 32879940638.2/47

All: 141.675+/-0.000 χ^2/NDF : 76315056655.

- sign 142.200+/-0.000 χ^2/NDF : 43412701257.7/50

yield_bcm0l02_rms vs Slug



Right In: 0.769 $\pm$ 0.000 χ^2 /NDF: 2799694.3/22

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 690578.5/24

Right Out: 0.753 $\pm$ 0.000 χ^2 /NDF: 3138551.8/27

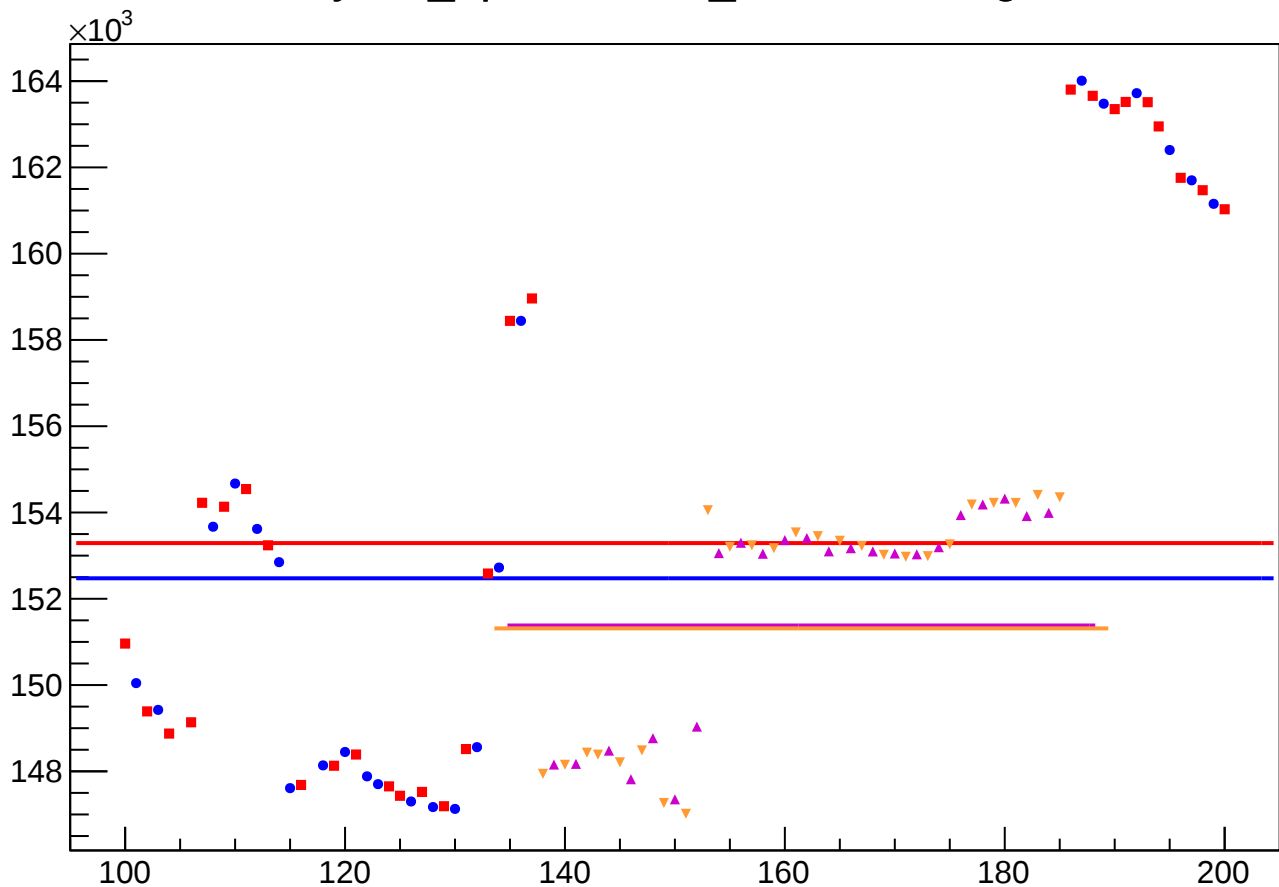
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF: 480510.8/22

+ sign 0.794 $\pm$ 0.000 χ^2 /NDF: 3512125.0/47

All: 0.788 $\pm$ 0.000 χ^2 /NDF: 7186895.8/98

- sign 0.783 $\pm$ 0.000 χ^2 /NDF: 3670582.0/50

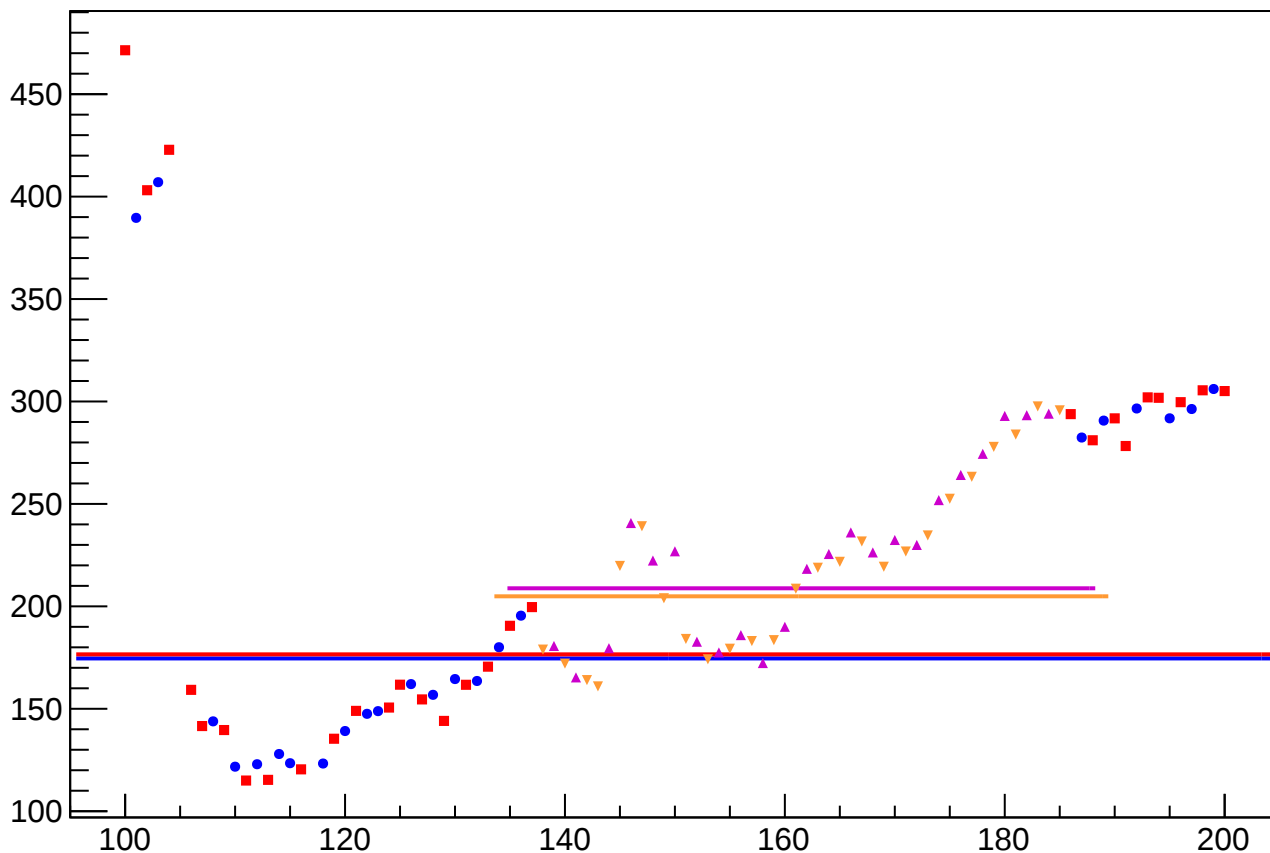
yield_bpm0i01WS_mean vs Slug



Right In: 152474.742 ± 0.058 $\chi^2/\text{NDF}: 8675575463.7/22$
 Left Out: 151313.284 ± 0.049 $\chi^2/\text{NDF}: 3153768134.8/24$
 Right Out: 153290.871 ± 0.054 $\chi^2/\text{NDF}: 10510651280.3/27$
 Left In: 151380.236 ± 0.051 $\chi^2/\text{NDF}: 2363895785.3/22$

+ sign 151792.128 ± 0.037 $\chi^2/\text{NDF}: 12063995252.5/22$
 All: 152042.640 ± 0.026 $\chi^2/\text{NDF}: 256910670.0/22$
 - sign 152289.594 ± 0.037 $\chi^2/\text{NDF}: 13537609244.5/22$

yield_bpm0i01WS_rms vs Slug



Right In: 174.574 $\pm$ 0.041 χ^2 /NDF: 2715596.3/22

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 176.571 $\pm$ 0.038 χ^2 /NDF: 3558856.5/27

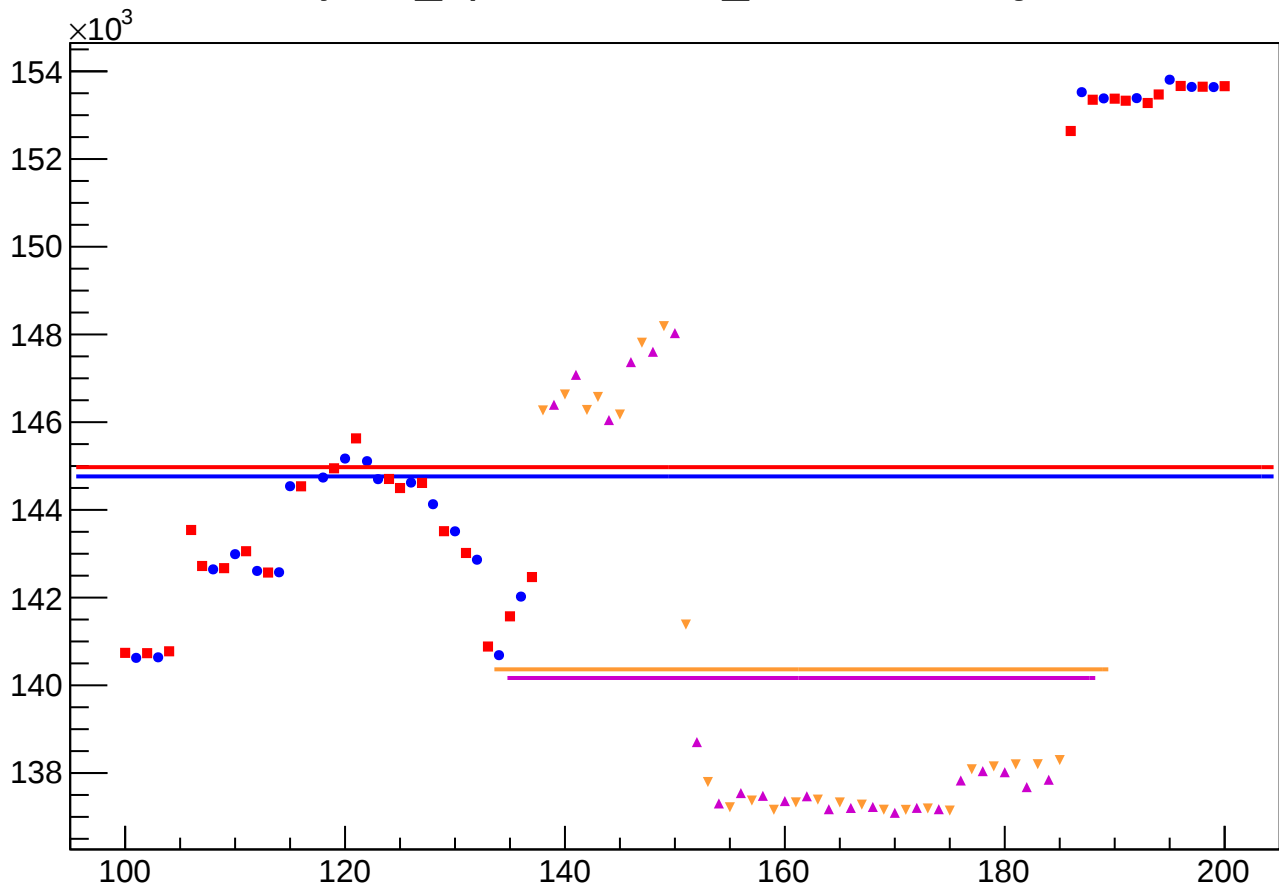
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 192.397 $\pm$ 0.026 χ^2 /NDF: 4091907.5/47

All: 192.936 $\pm$ 0.019 χ^2 /NDF: 9031158.3/98

- sign 193.467 $\pm$ 0.026 χ^2 /NDF: 4938422.7/50

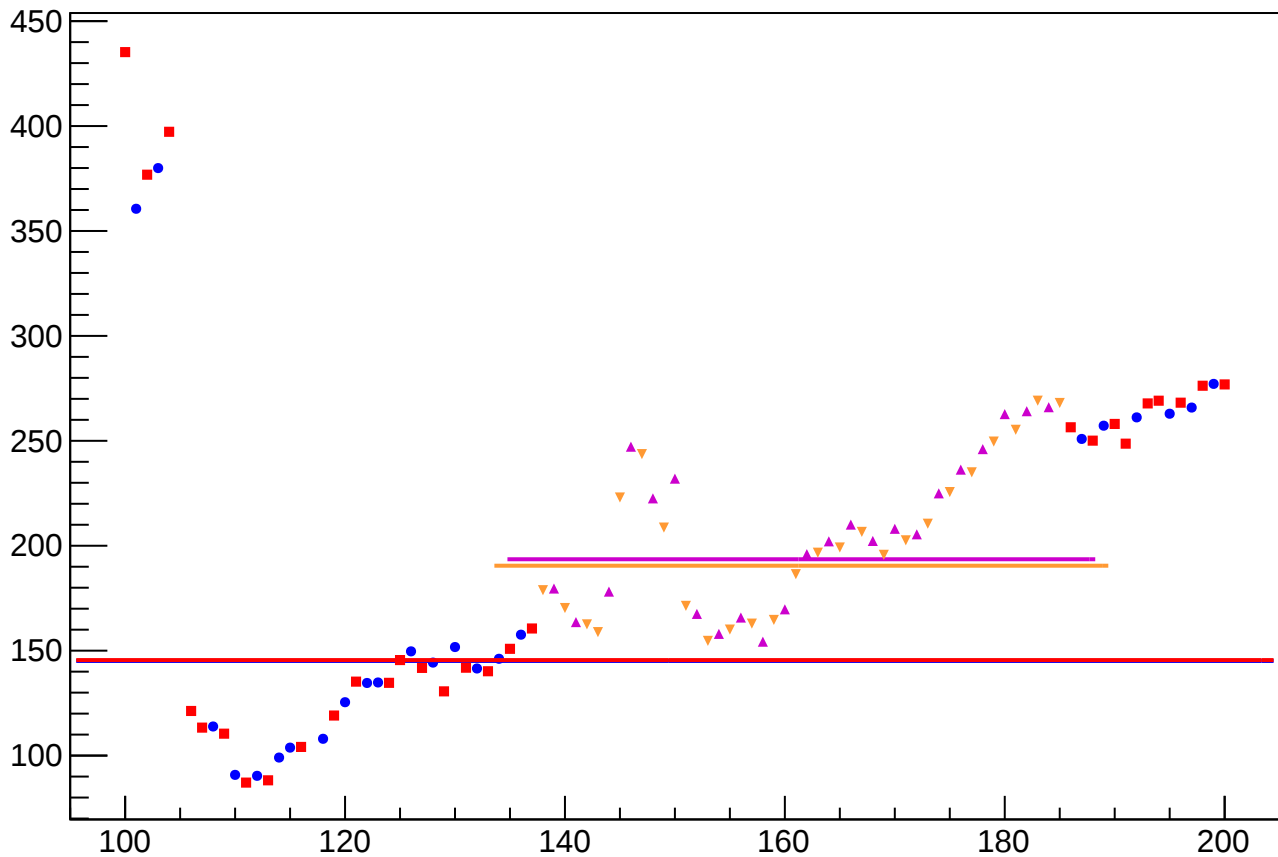
yield_bpm0i01aWS_mean vs Slug



Right In: 144763.172 $\pm$ 0.049 χ^2 /NDF: 5559380720.3/22
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 144974.499 $\pm$ 0.045 χ^2 /NDF: 7723881204.1/27
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22

+ sign 142383.184 $\pm$ 0.033 χ^2 /NDF: 18579406299.
 All: 142548.340 $\pm$ 0.023 χ^2 /NDF: 39803556
 - sign 142706.878 $\pm$ 0.033 χ^2 /NDF: 21175827084.0

yield_bpm0i01aWS_rms vs Slug



Right In: 145.100 $\pm$ 0.035 χ^2 /NDF: 3299336.1/22

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 145.508 $\pm$ 0.032 χ^2 /NDF: 4312844.3/27

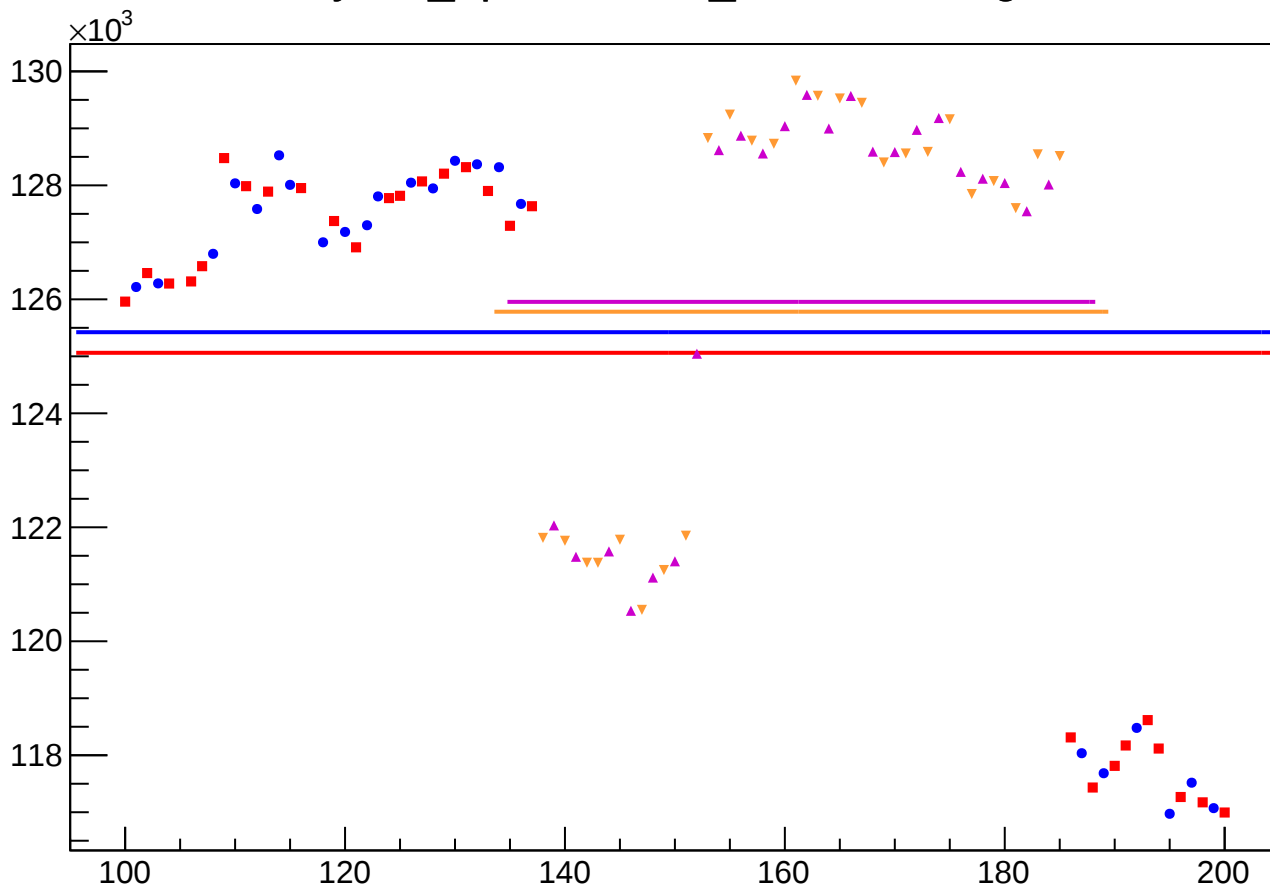
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 169.656 $\pm$ 0.024 χ^2 /NDF: 5174287.1/47

All: 168.899 $\pm$ 0.016 χ^2 /NDF: 11536407.4/98

- sign 168.172 $\pm$ 0.023 χ^2 /NDF: 6360088.6/50

yield_bpm0l01WS_mean vs Slug



Right In: 125423.364 $\pm$ 0.051 χ^2 /NDF: 6960387828.7/22

Left Out: 125782.764 $\pm$ 0.044 χ^2 /NDF: 6729761889.8/24

Right Out: 125061.733 $\pm$ 0.047 χ^2 /NDF: 9170823567.0/27

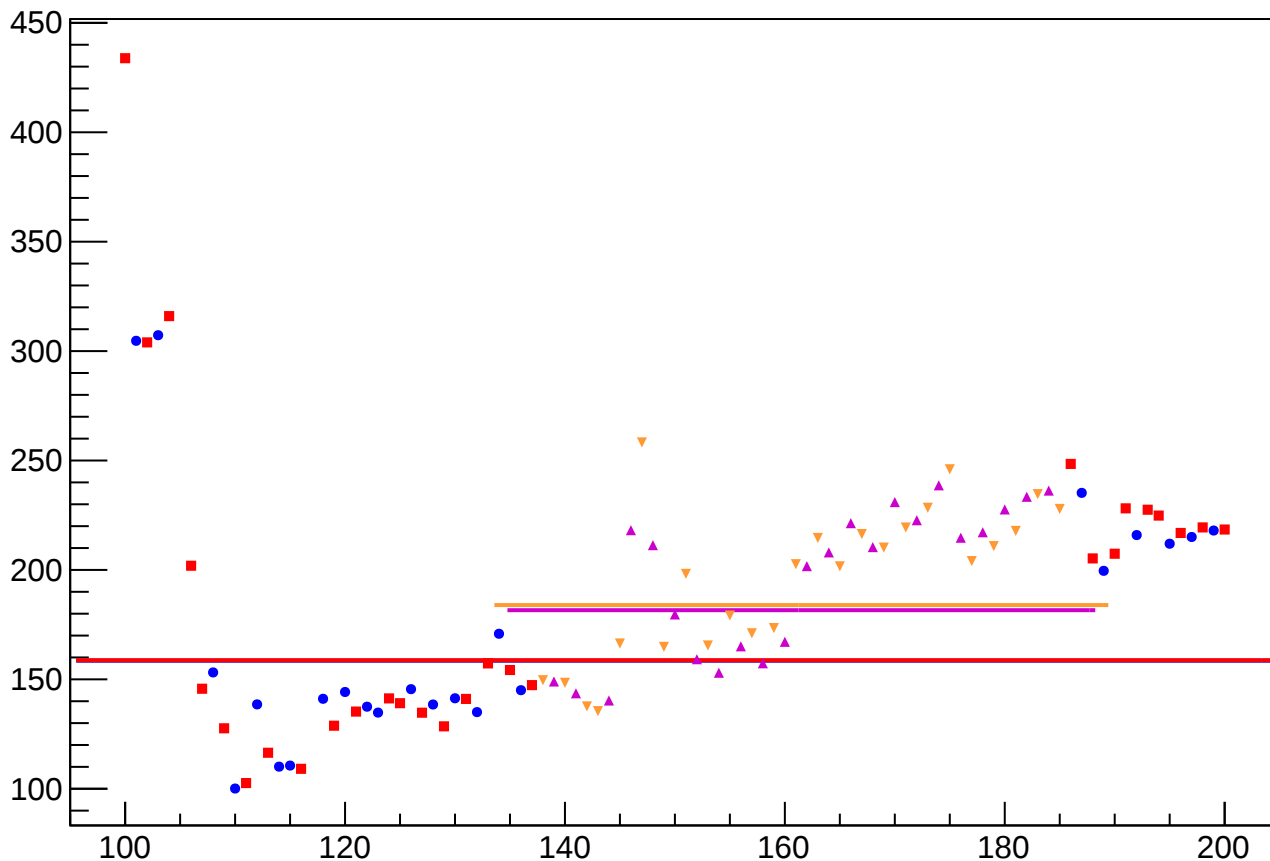
Left In: 125955.637 $\pm$ 0.045 χ^2 /NDF: 5804088930.1/22

+ sign 125630.133 $\pm$ 0.033 χ^2 /NDF: 13718479939.5/28

All: 125577.553 $\pm$ 0.023 χ^2 /NDF: 288885708.1/29

- sign 125528.115 $\pm$ 0.032 χ^2 /NDF: 15165275695.5/28

yield_bpm0l01WS_rms vs Slug



Right In: 158.524+/-0.036 χ^2/NDF : 1516957.5/22

Left Out: 183.947+/-0.031 χ^2/NDF : 1123194.0/24

Right Out: 158.745+/-0.033 χ^2/NDF : 2179246.6/27

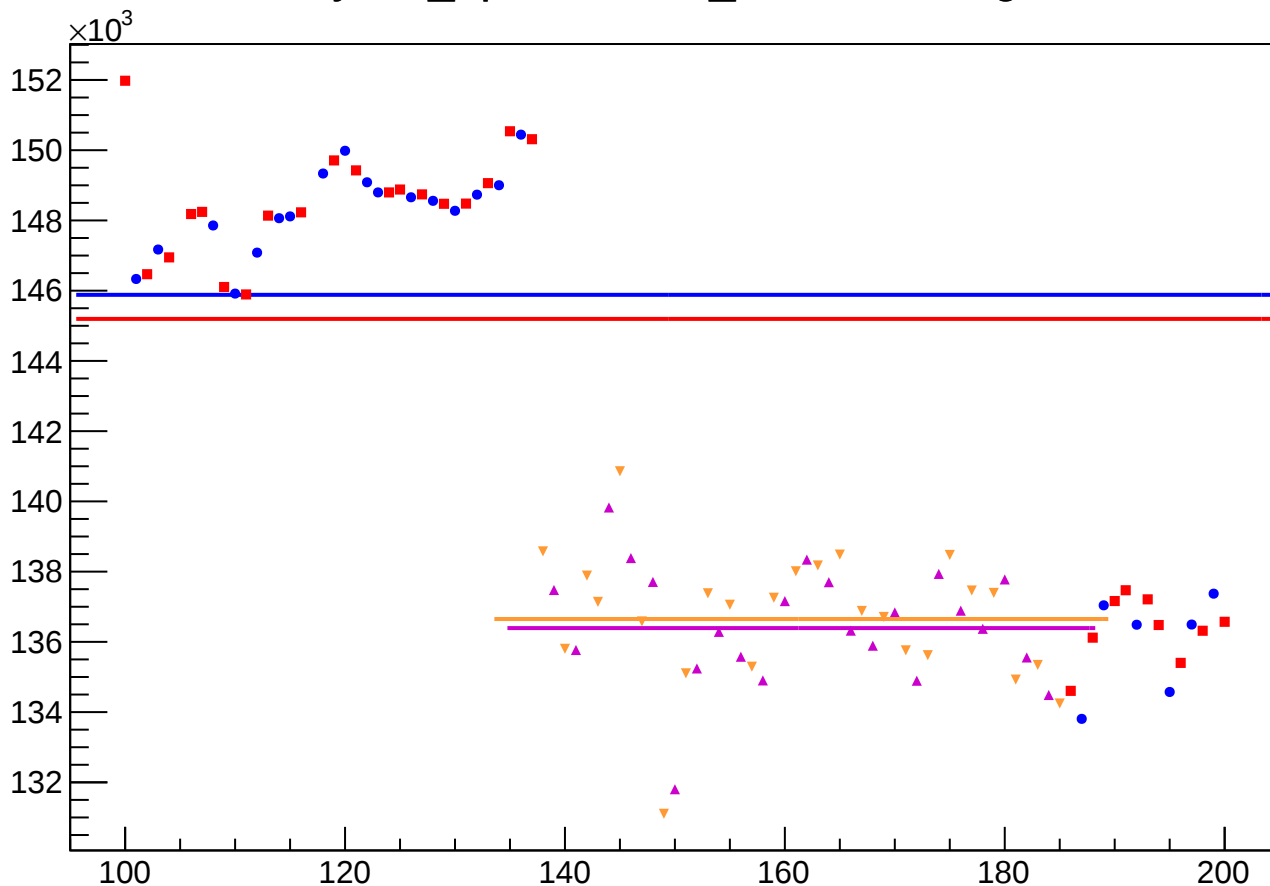
Left In: 181.596+/-0.032 χ^2/NDF : 1103524.3/22

+ sign 173.150+/-0.024 χ^2/NDF : 2923651.9/47

All: 171.870+/-0.016 χ^2/NDF : 6460929.4/98

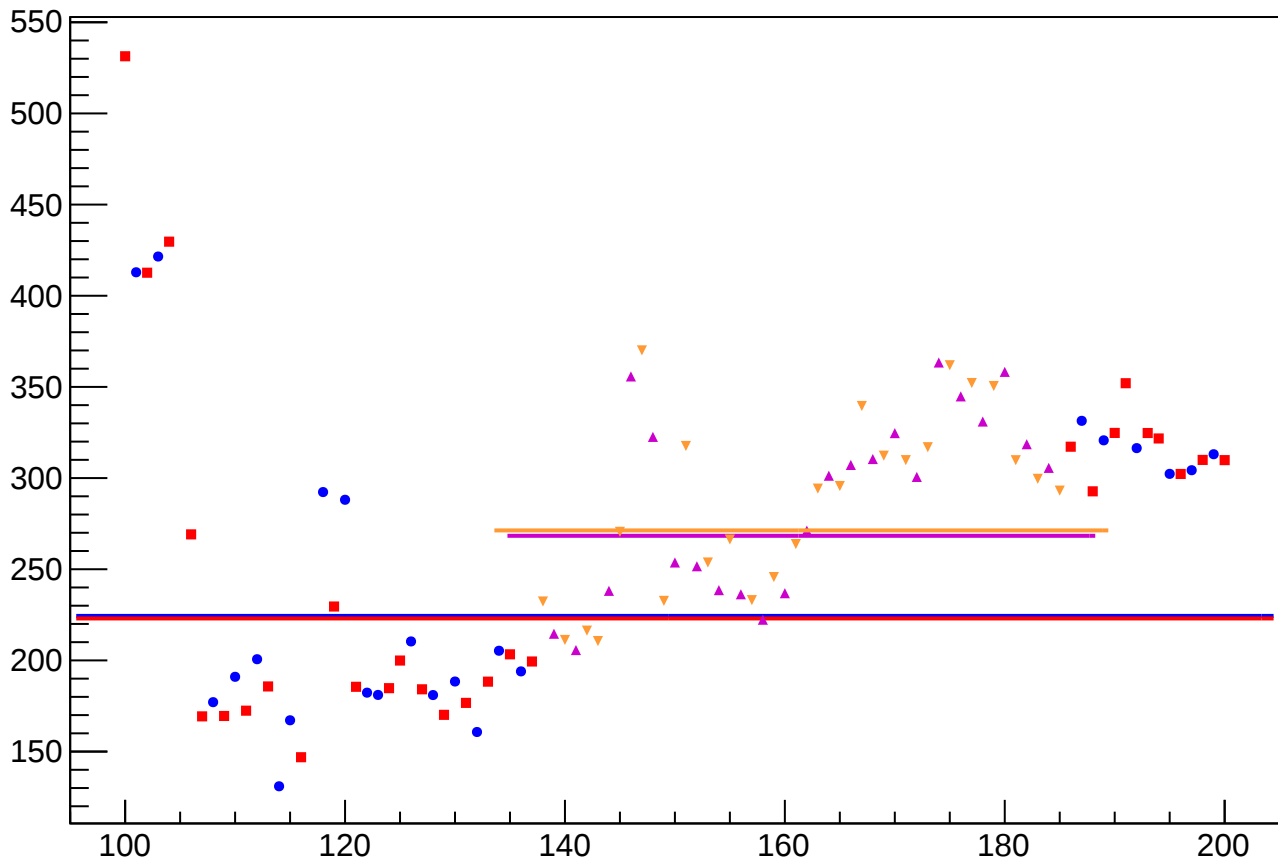
- sign 170.667+/-0.023 χ^2/NDF : 3531570.7/50

yield_bpm0l02WS_mean vs Slug



Right In: 145882.036 $\pm$ 0.073 χ^2/NDF : 5071123919.2/22
 Left Out: 136650.935 $\pm$ 0.065 χ^2/NDF : 930649595.5/24
 Right Out: 145196.345 $\pm$ 0.066 χ^2/NDF : 6691098952.8/27
 Left In: 136392.188 $\pm$ 0.066 χ^2/NDF : 701986841.4/22

yield_bpm0l02WS_rms vs Slug



Right In: 224.403 $\pm$ 0.052 χ^2 /NDF: 1719032.2/22

Left Out: 271.295 $\pm$ 0.046 χ^2 /NDF:1064485.7/24

Right Out: 223.012 $\pm$ 0.047 χ^2 /NDF: 2136411.6/27

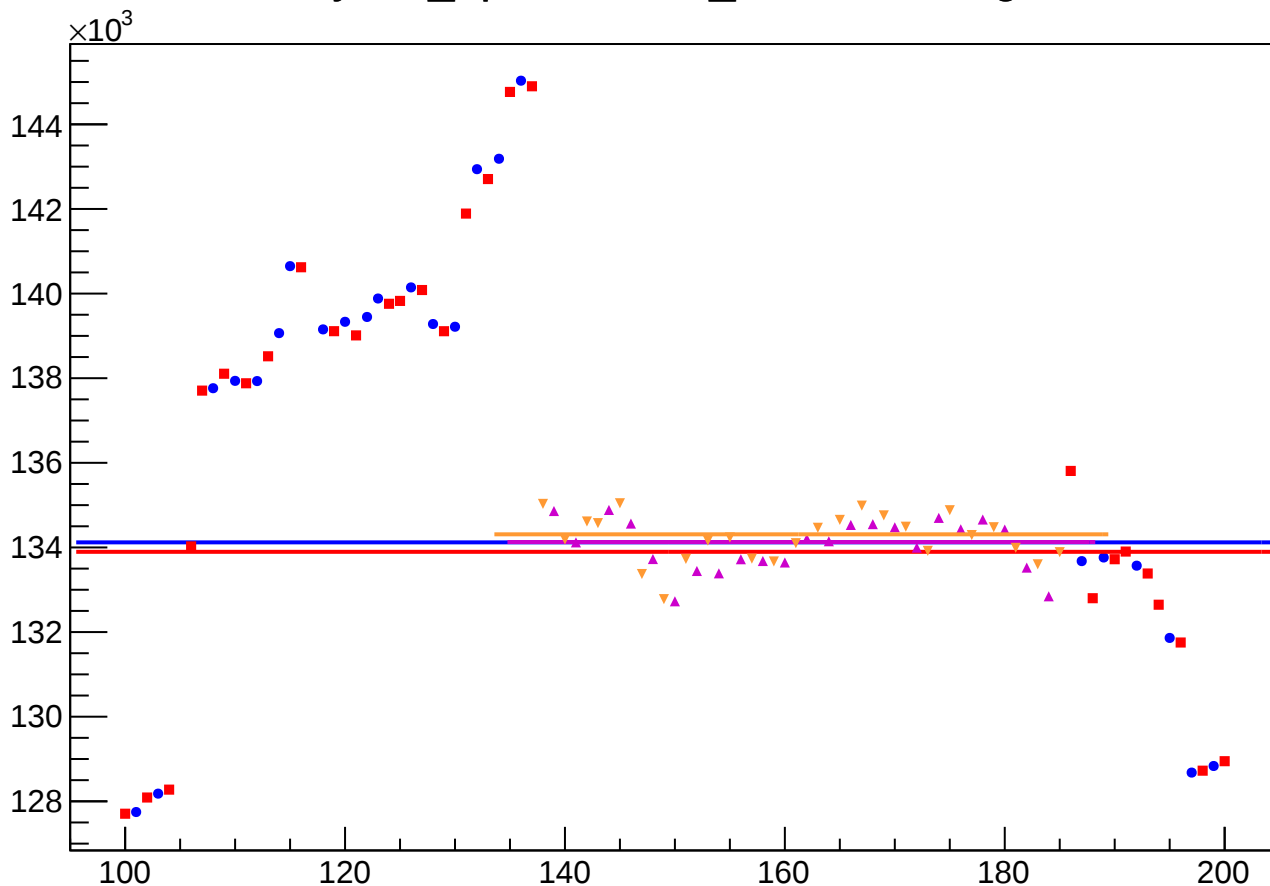
Left In: 268.344 $\pm$ 0.047 χ^2 /NDF:1077364.0/22

+ sign 250.654 $\pm$ 0.034 χ^2 /NDF: 3247020.0/47

All: 248.049 $\pm$ 0.024 χ^2 /NDF: 6945200.2/98

- sign 245.630 $\pm$ 0.033 χ^2 /NDF: 3686986.9/50

yield_bpm0l03WS_mean vs Slug



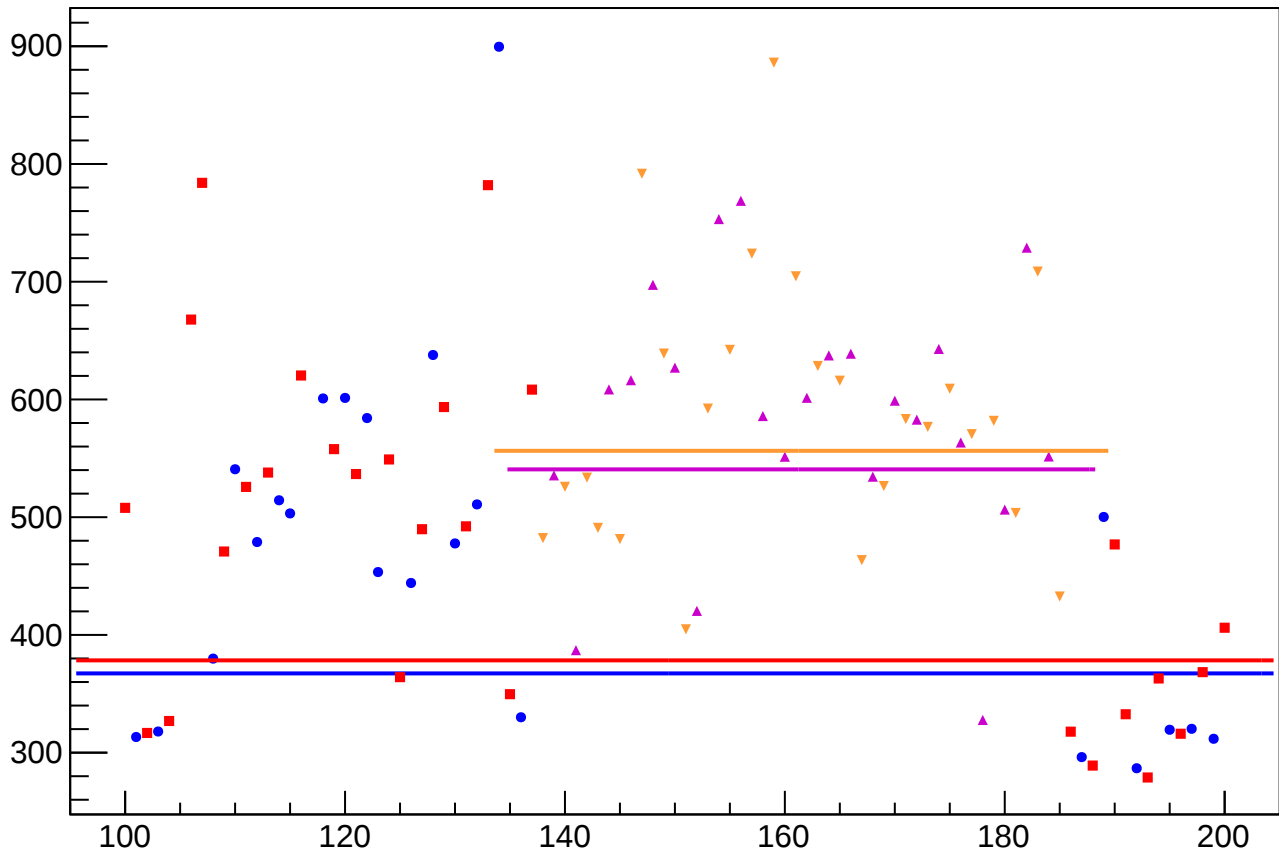
Right In: 134120.094+/-0.126 χ^2/NDF : 2077863976.7/22
 Left Out: 134310.250+/-0.139 χ^2/NDF : 15518632.9/24
 Right Out: 133896.665+/-0.121 χ^2/NDF : 1451552584.1/27
 Left In: 134128.172+/-0.142 χ^2/NDF : 15533736.2/22

+ sign 134206.524+/-0.093 χ^2/NDF : 2094410022.7/22

All: 134098.553+/-0.066 χ^2/NDF : 35656705/22

- sign 133993.841+/-0.092 χ^2/NDF : 1468628872.7/22

yield_bpm0l03WS_rms vs Slug



Right In: 367.314 ± 0.089 $\chi^2/\text{NDF}: 1203979.6/22$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 378.393 ± 0.085 $\chi^2/\text{NDF}: 1545961.9/27$

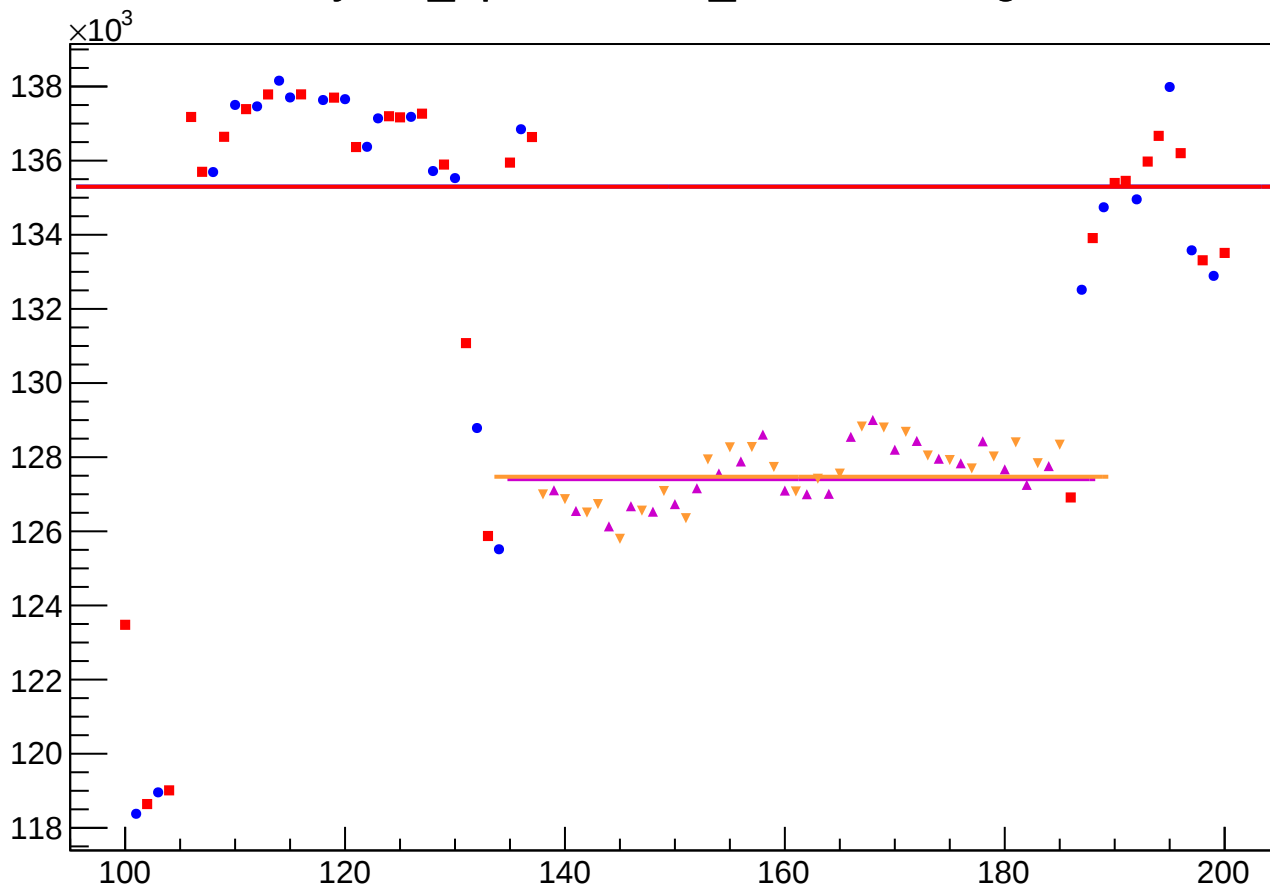
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 453.249 ± 0.066 $\chi^2/\text{NDF}: 4237405.0/47$

All: 449.814 ± 0.046 $\chi^2/\text{NDF}: 8712379.8/98$

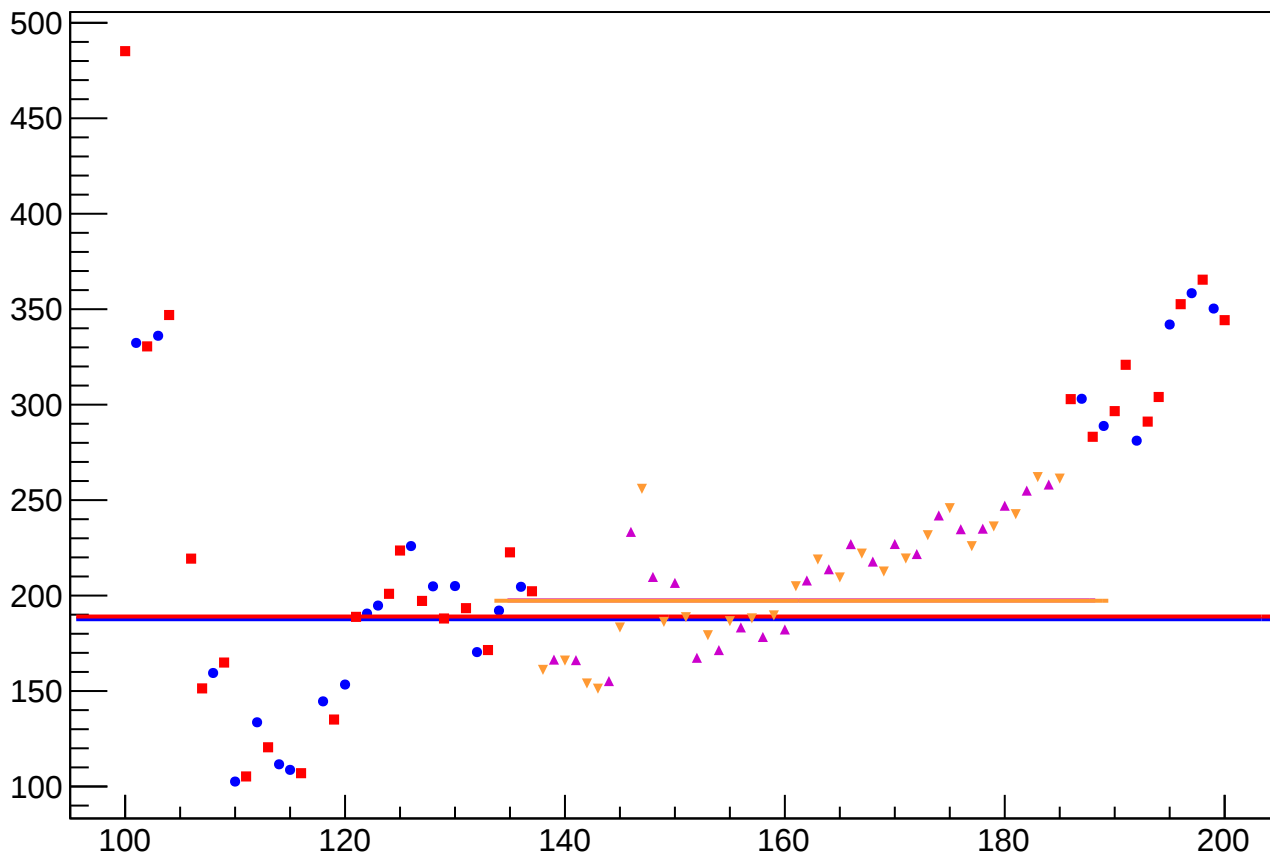
- sign 446.483 ± 0.065 $\chi^2/\text{NDF}: 4469647.1/50$

yield_bpm0l04WS_mean vs Slug



Right In: 135300.595+/-0.063 χ^2/NDF : 4703155985.3/22
 Left Out: 127472.525+/-0.047 χ^2/NDF : 303609315.6/24
 Right Out: 135296.134+/-0.058 χ^2/NDF : 5123687145.4/27
 Left In: 127406.911+/-0.048 χ^2/NDF : 269927988.0/22

yield_bpm0l04WS_rms vs Slug



Right In: 187.616 $\pm$ 0.045 χ^2 /NDF: 2850012.6/22

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

Right Out: 189.029 $\pm$ 0.041 χ^2 /NDF: 3751399.3/27

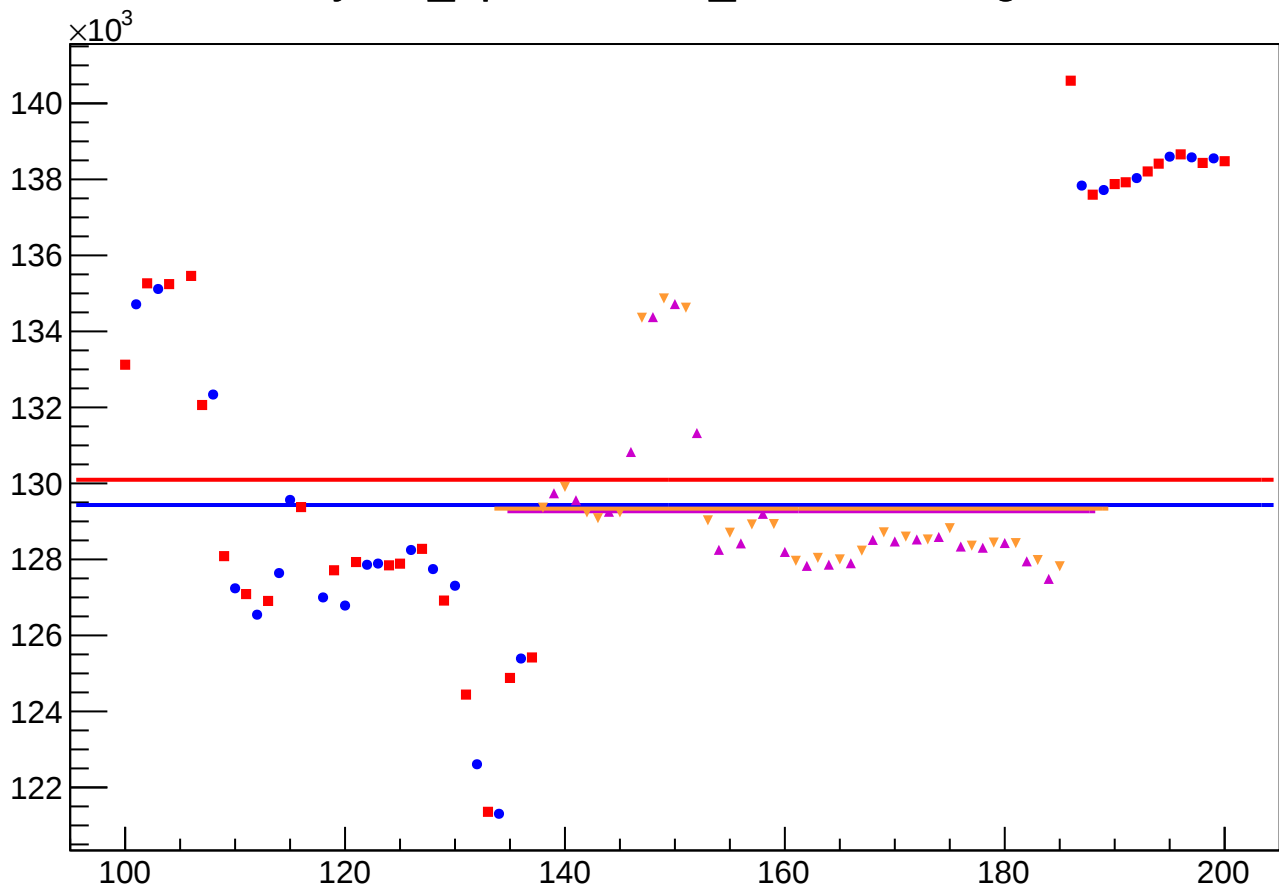
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 193.841 $\pm$ 0.027 χ^2 /NDF: 3732424.4/47

All: 193.920 $\pm$ 0.019 χ^2 /NDF: 8300497.5/98

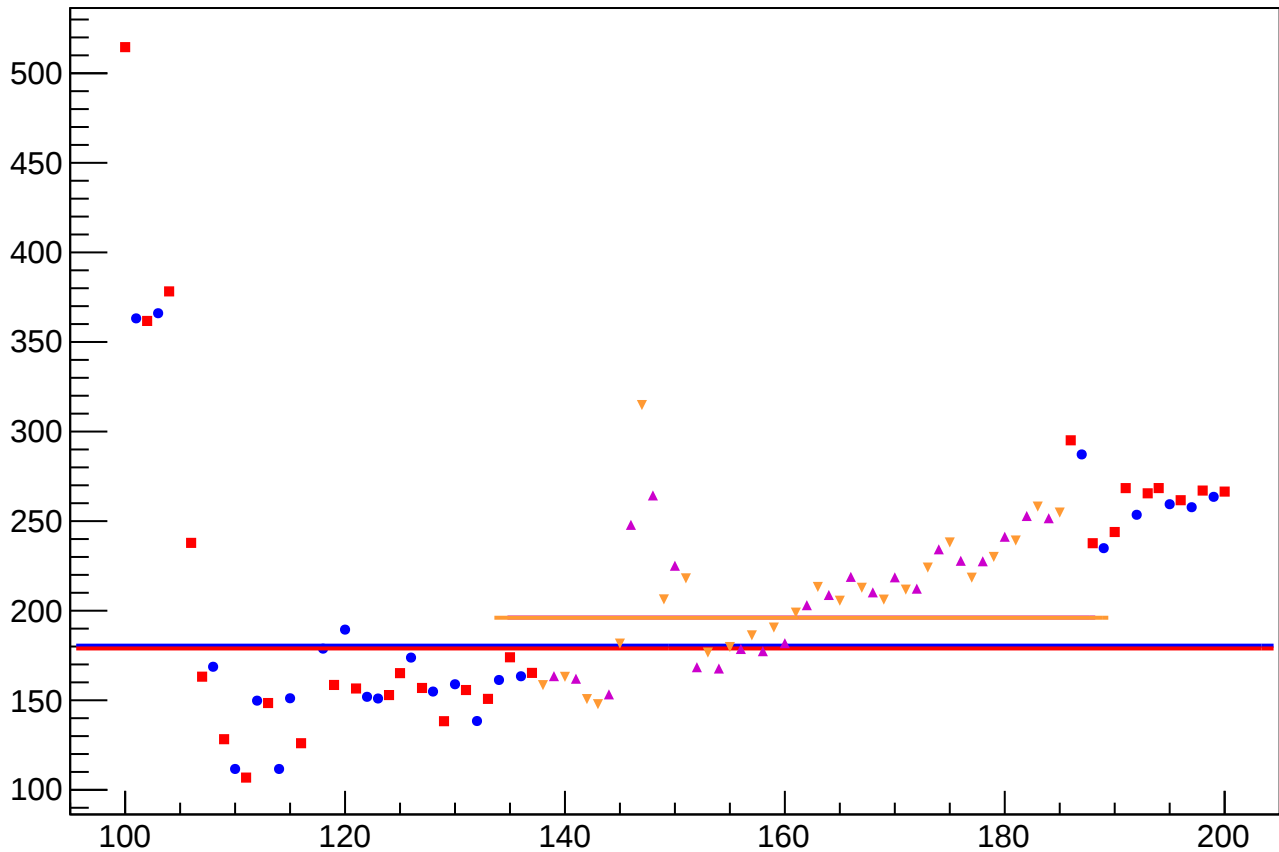
- sign 193.997 $\pm$ 0.026 χ^2 /NDF: 4568055.7/50

yield_bpm0l05WS_mean vs Slug



Right In: 129431.470 $\pm$ 0.059 χ^2 /NDF: 7677324748.3/22
 Left Out: 129335.946 $\pm$ 0.047 χ^2 /NDF: 1450933621.0/24
 Right Out: 130095.756 $\pm$ 0.054 χ^2 /NDF: 9775220251.0/27
 Left In: 129266.909 $\pm$ 0.048 χ^2 /NDF: 1213762773.1/22
 + sign 129372.698 $\pm$ 0.037 χ^2 /NDF: 9129866252.4
 All: 129508.276 $\pm$ 0.026 χ^2 /NDF: 202780962
 - sign 129637.629 $\pm$ 0.036 χ^2 /NDF: 11121492303.1

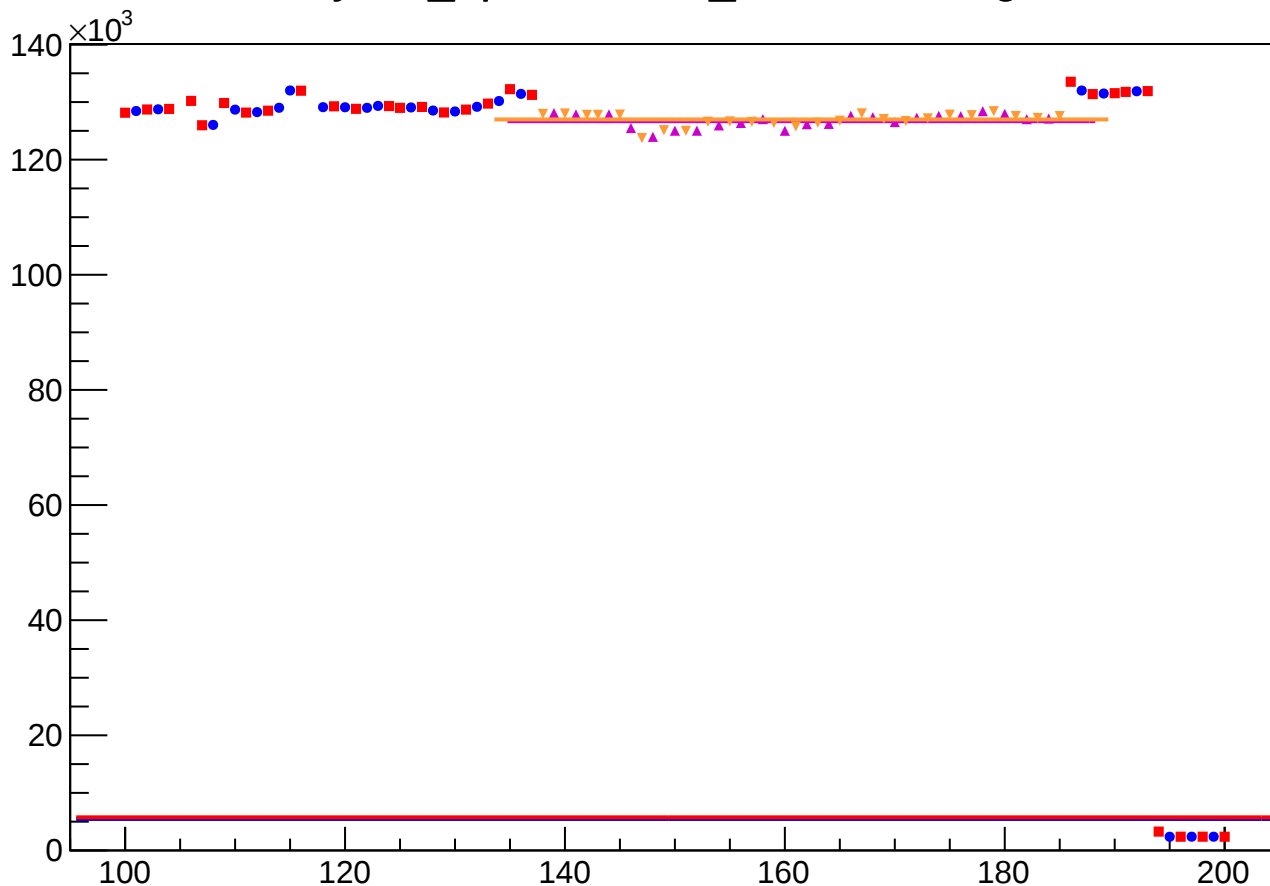
yield_bpm0l05WS_rms vs Slug



Right In: 180.492 ± 0.042 $\chi^2/\text{NDF}: 1814712.0/22$
 Left Out: 196.077 ± 0.033 $\chi^2/\text{NDF}: 975710.9/24$
 Right Out: 178.920 ± 0.038 $\chi^2/\text{NDF}: 2632991.1/27$
 Left In: 196.186 ± 0.034 $\chi^2/\text{NDF}: 898058.0/22$

+ sign 190.081 ± 0.026 $\chi^2/\text{NDF}: 2876021.3/47$
 All: 189.253 ± 0.018 $\chi^2/\text{NDF}: 6524063.1/98$
 - sign 188.464 ± 0.025 $\chi^2/\text{NDF}: 3646048.2/50$

yield_bpm0l06WS_mean vs Slug



Right In: 5472.500+/-0.009 χ^2/NDF : 4811886124141.9/22

Left Out: 126981.724+/-0.046 χ^2/NDF : 530573115.8/24

Right Out: 5749.711+/-0.008 χ^2/NDF : 5728858891304.5/27

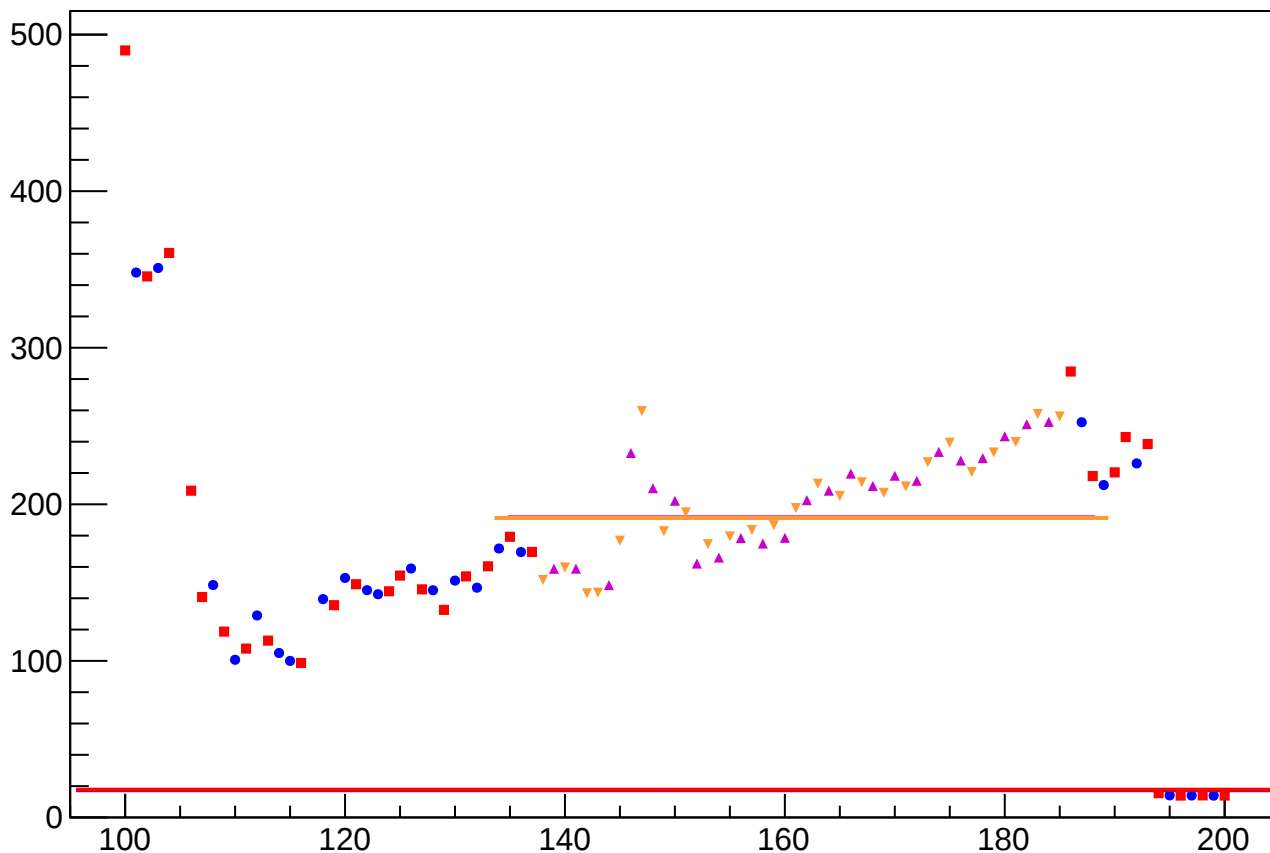
Left In: 126682.659+/-0.047 χ^2/NDF : 660415880.0/22

+ sign 9956.732+/-0.009 χ^2/NDF : 11674143140335

All: 9714.907+/-0.006 χ^2/NDF : 23822394826

- sign 9498.451+/-0.008 χ^2/NDF : 12146802583521

yield_bpm0l06WS_rms vs Slug



Right In: 17.402 $\pm$ 0.006 χ^2 /NDF: 13122185.8/22

Left Out: 191.263 $\pm$ 0.032 χ^2 /NDF: 992566.2/24

Right Out: 17.719 $\pm$ 0.006 χ^2 /NDF: 15378011.8/27

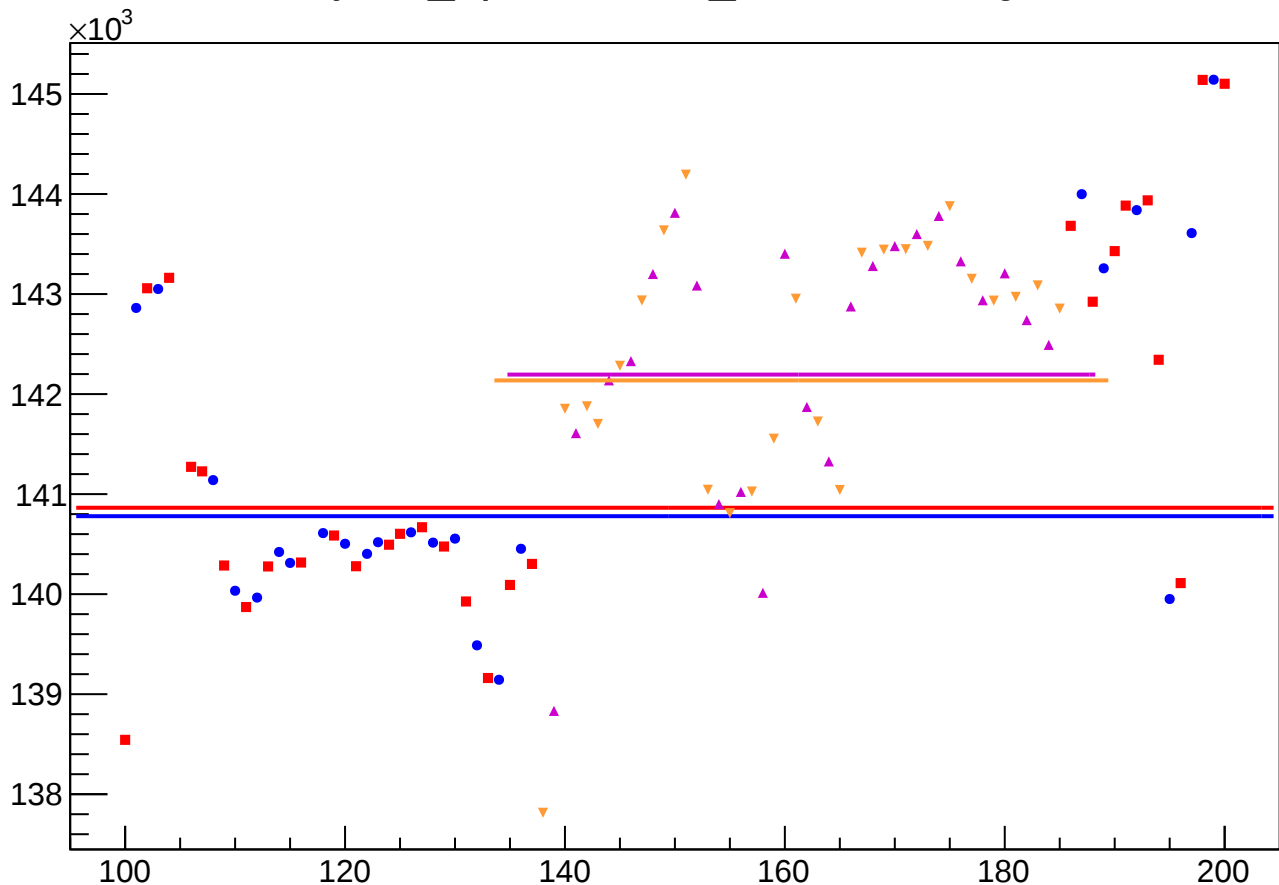
Left In: 191.683 $\pm$ 0.033 χ^2 /NDF: 864384.9/22

+ sign 23.818 $\pm$ 0.006 χ^2 /NDF: 42211076.3/47

All: 23.445 $\pm$ 0.004 χ^2 /NDF: 85019297.6/98

- sign 23.111 $\pm$ 0.006 χ^2 /NDF: 42801322.8/50

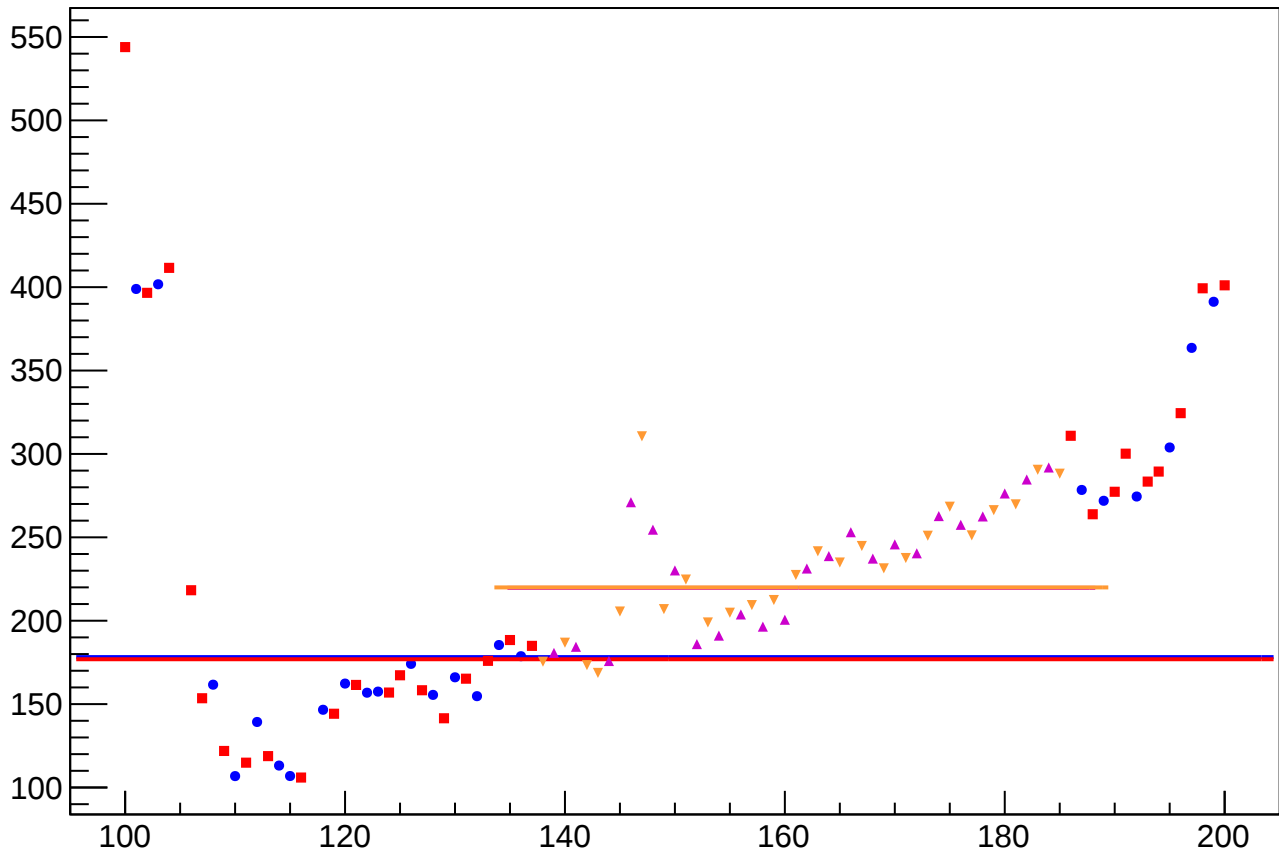
yield_bpm0l07WS_mean vs Slug



Right In: 140779.352 ± 0.060 $\chi^2/\text{NDF}: 449409278.4/22$
 Left Out: 142136.579 ± 0.052 $\chi^2/\text{NDF}: 815573343.0/24$
 Right Out: 140863.667 ± 0.054 $\chi^2/\text{NDF}: 601009548.4/27$
 Left In: 142195.020 ± 0.054 $\chi^2/\text{NDF}: 644030906.9/22$

+ sign 141546.608 ± 0.039 $\chi^2/\text{NDF}: 1557437360.8$
 All: 141540.621 ± 0.027 $\chi^2/\text{NDF}: 310542545$
 - sign 141534.963 ± 0.038 $\chi^2/\text{NDF}: 1547943051.5$

yield_bpm0l07WS_rms vs Slug



Right In: 178.186+/-0.042 χ^2/NDF : 2911600.5/22

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 176.904+/-0.038 χ^2/NDF : 4043175.2/27

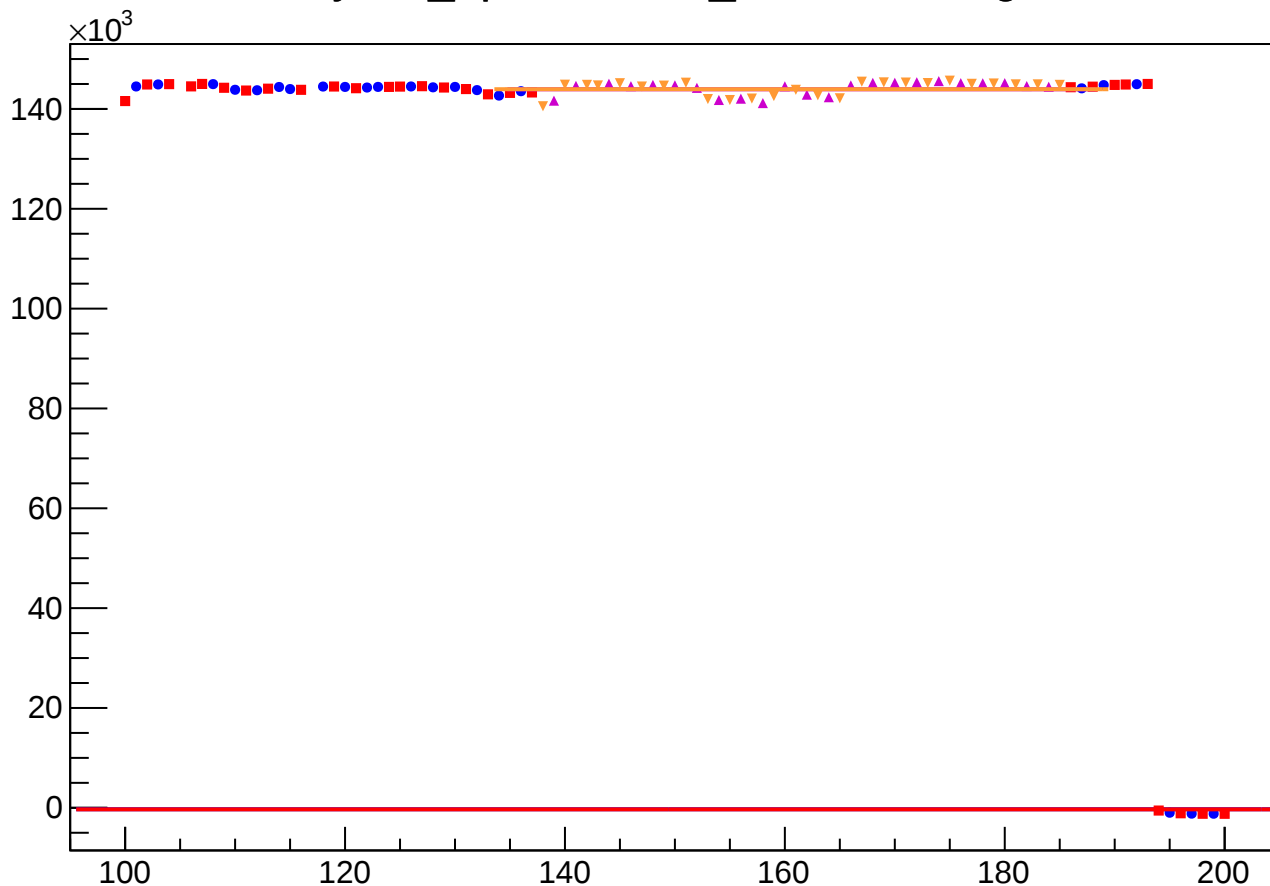
Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

+ sign 201.806+/-0.028 χ^2/NDF : 4332568.8/47

All: 200.094+/-0.019 χ^2/NDF : 9821374.2/98

- sign 198.475+/-0.027 χ^2/NDF : 5481432.0/50

yield_bpm0l08WS_mean vs Slug



Right In: -289.764 ± 0.005 $\chi^2/\text{NDF}: 5273145664855.1/22$

Left Out: 143951.284 ± 0.052 $\chi^2/\text{NDF}: 864679545.2/24$

Right Out: -310.252 ± 0.004 $\chi^2/\text{NDF}: 6377289373583.6/27$

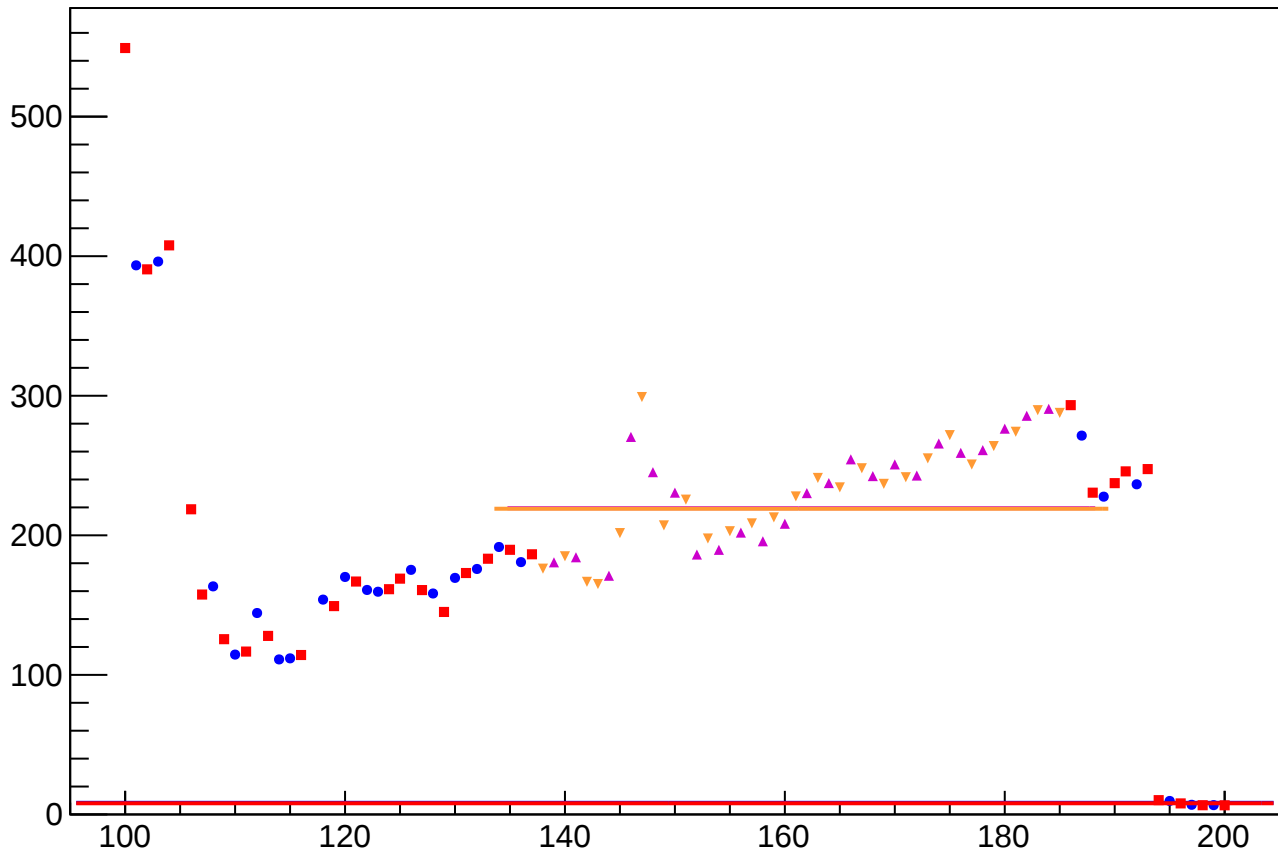
Left In: 143938.288 ± 0.054 $\chi^2/\text{NDF}: 719814685.6/22$

+ sign 933.803 ± 0.005 $\chi^2/\text{NDF}: 12863419410894.0/28$

All: 757.821 ± 0.003 $\chi^2/\text{NDF}: 263756106395.0/31$

- sign 615.782 ± 0.004 $\chi^2/\text{NDF}: 13509763970082.0/30$

yield_bpm0l08WS_rms vs Slug



Right In: 8.339 ± 0.003 χ^2/NDF : 14766494.9/22

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 8.012 ± 0.003 χ^2/NDF : 17358717.3/27

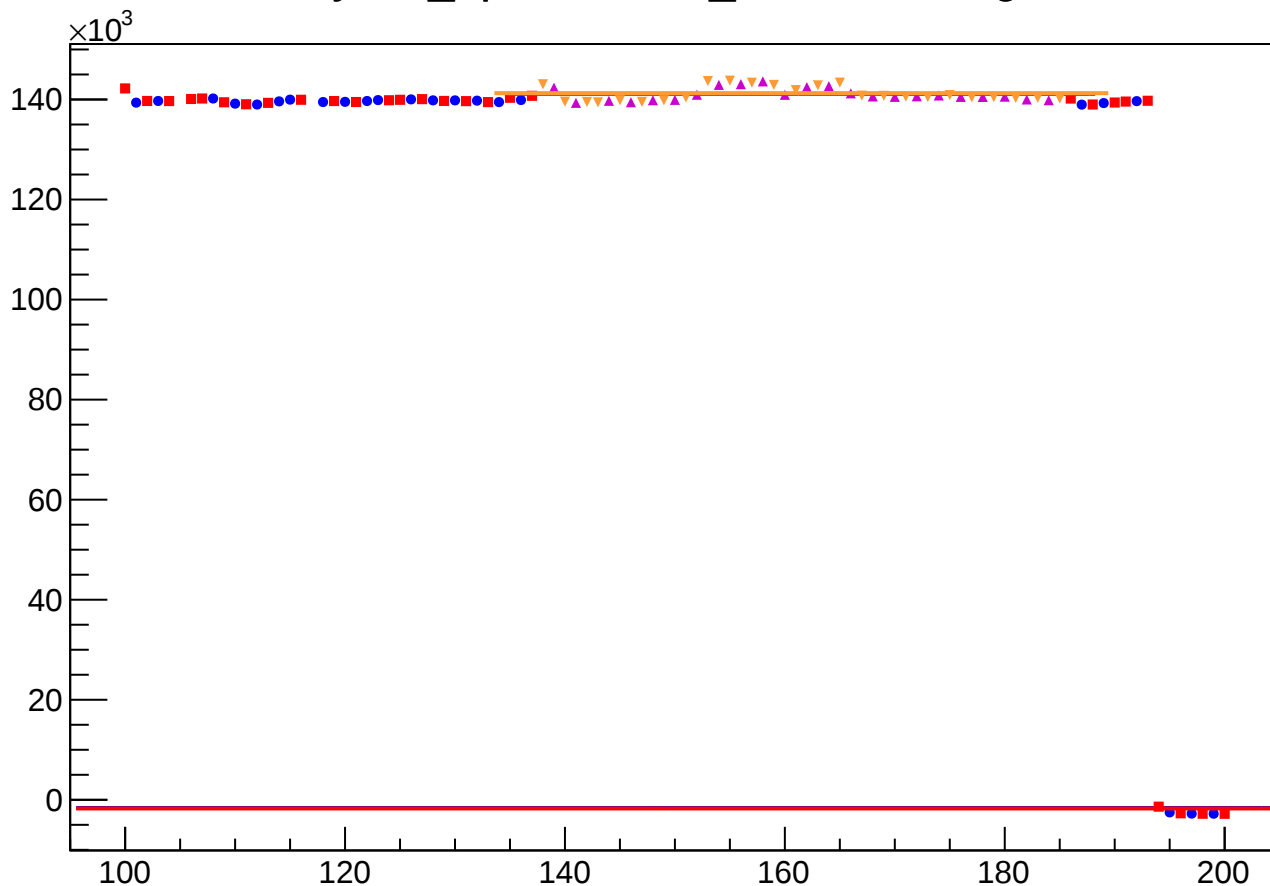
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 10.126 ± 0.003 χ^2/NDF : 48092554.0/47

All: 9.708 ± 0.002 χ^2/NDF : 96967477.5/98

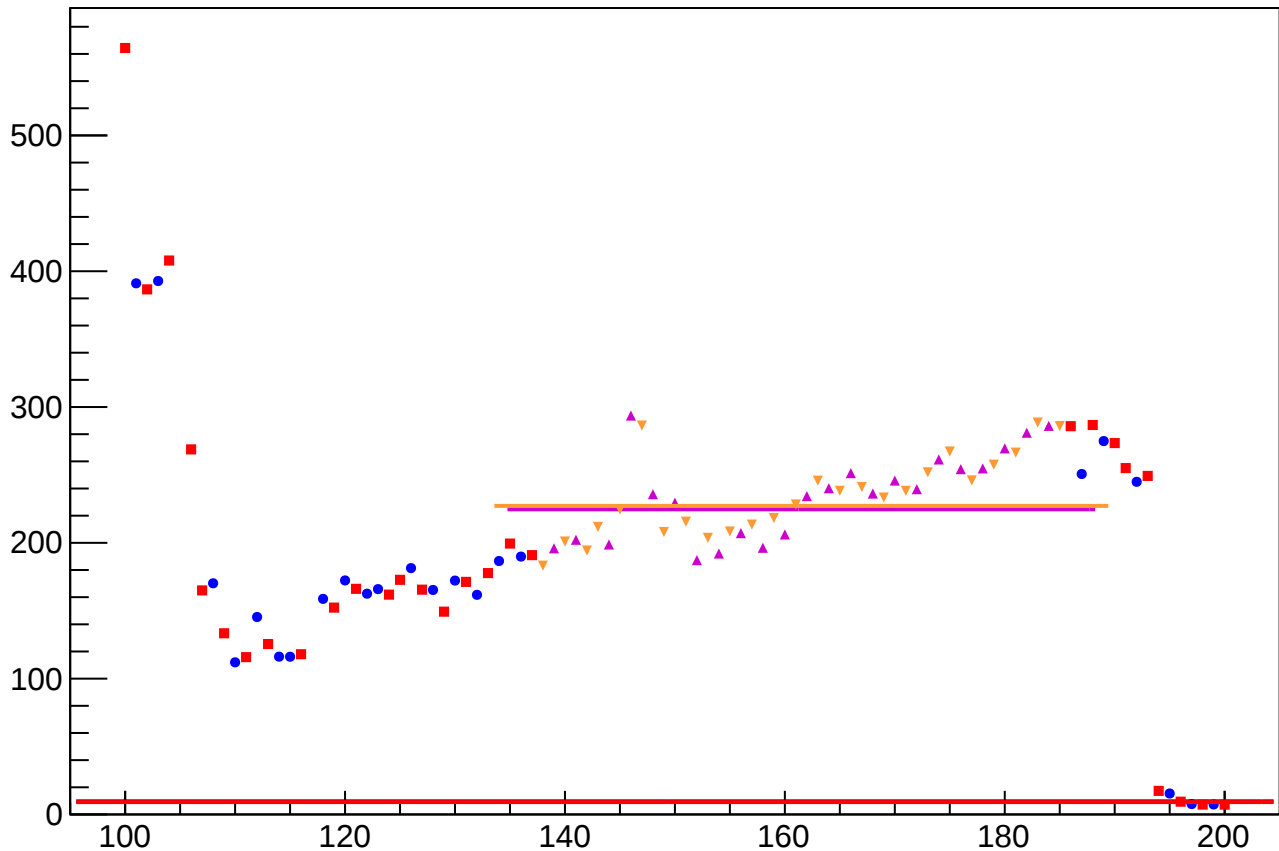
- sign 9.369 ± 0.003 χ^2/NDF : 48847413.8/50

yield_bpm0l09WS_mean vs Slug



Right In: -1642.164 $\pm$ 0.006 χ^2 /NDF: 4837298370373.4/22
 Left Out: 141268.791 $\pm$ 0.054 χ^2 /NDF: 795989244.2/24
 Right Out: -1726.227 $\pm$ 0.005 χ^2 /NDF: 5763655718156.2/27
 Left In: 141119.484 $\pm$ 0.055 χ^2 /NDF: 565312728.1/22
 + sign -71.094 $\pm$ 0.006 χ^2 /NDF: 11842934252010.8
 All: -351.074 $\pm$ 0.004 χ^2 /NDF: 24322959079
 - sign -567.185 $\pm$ 0.005 χ^2 /NDF: 12475643307081.

yield_bpm0l09WS_rms vs Slug



Right In: 9.651 ± 0.004 χ^2/NDF : 14850106.2/22

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 9.113 ± 0.004 χ^2/NDF : 17358168.6/27

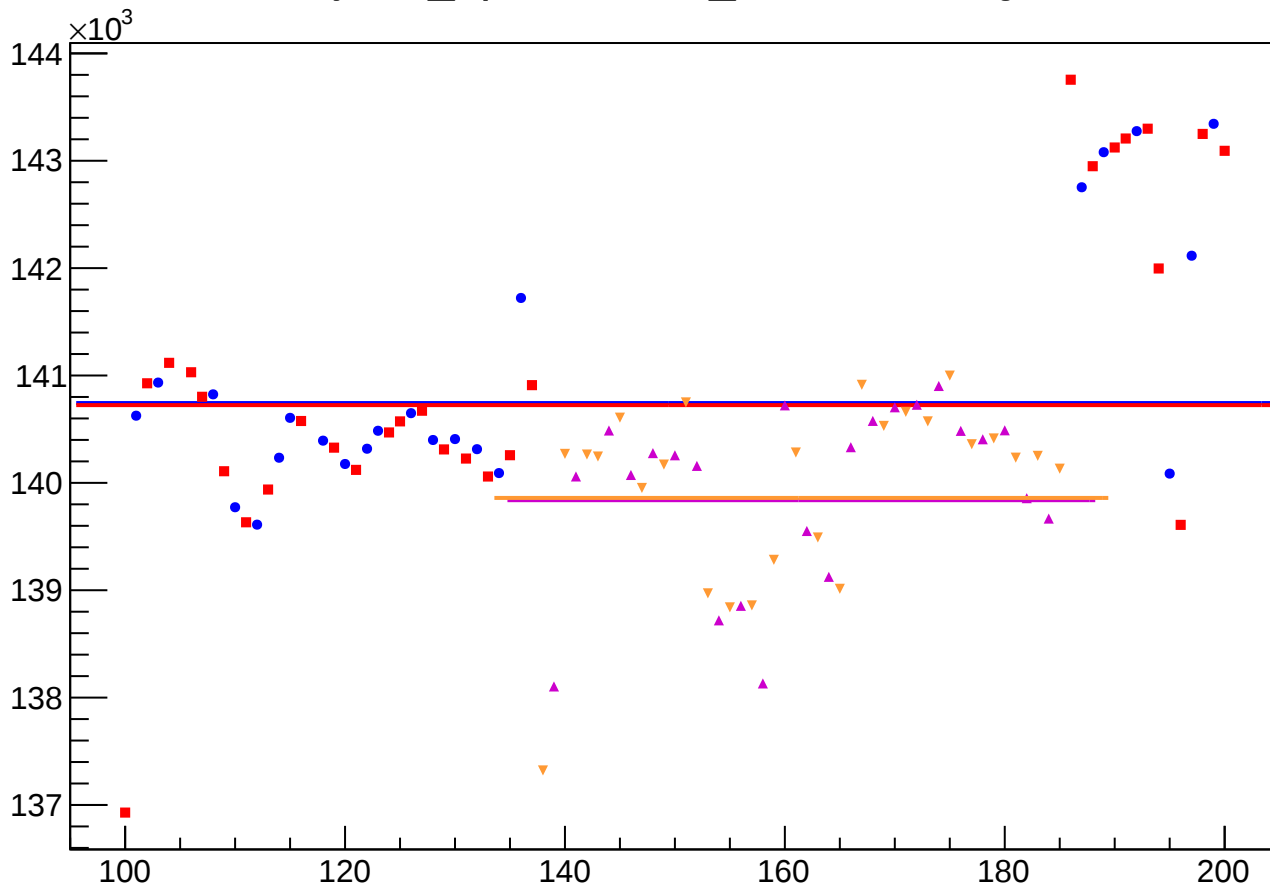
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 12.043 ± 0.004 χ^2/NDF : 47806958.6/47

All: 11.376 ± 0.003 χ^2/NDF : 96363498.4/98

- sign 10.862 ± 0.003 χ^2/NDF : 48506903.5/50

yield_bpm0l10WS_mean vs Slug



Right In: 140743.266 ± 0.062 $\chi^2/\text{NDF}: 279004542.9/22$

Left Out: 139859.696 ± 0.051 $\chi^2/\text{NDF}: 330118281.5/24$

Right Out: 140724.143 ± 0.056 $\chi^2/\text{NDF}: 395381166.8/27$

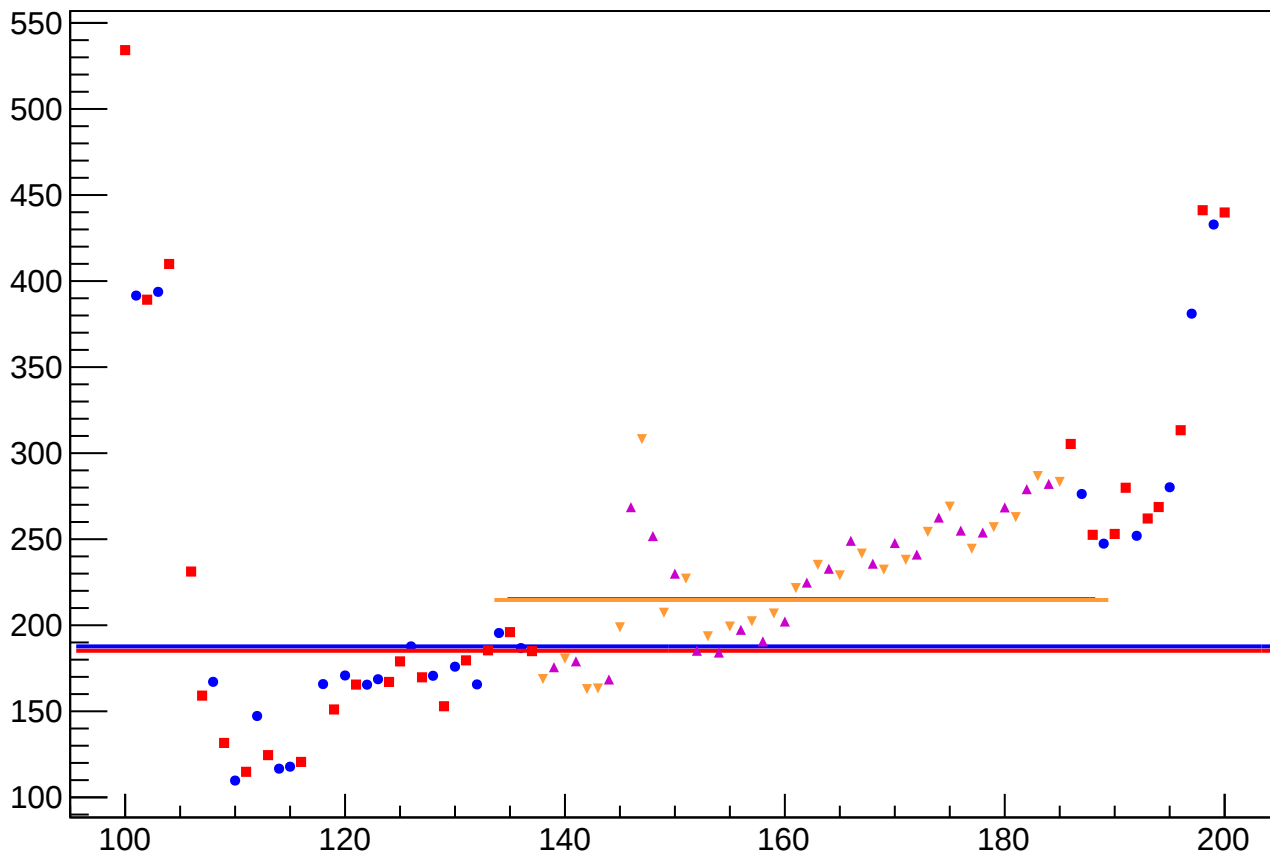
Left In: 139838.724 ± 0.053 $\chi^2/\text{NDF}: 279573689.3/22$

+ sign 140214.380 ± 0.040 $\chi^2/\text{NDF}: 729153409.2/4$

All: 140234.018 ± 0.028 $\chi^2/\text{NDF}: 153606573$

- sign 140252.671 ± 0.039 $\chi^2/\text{NDF}: 806431155.3/5$

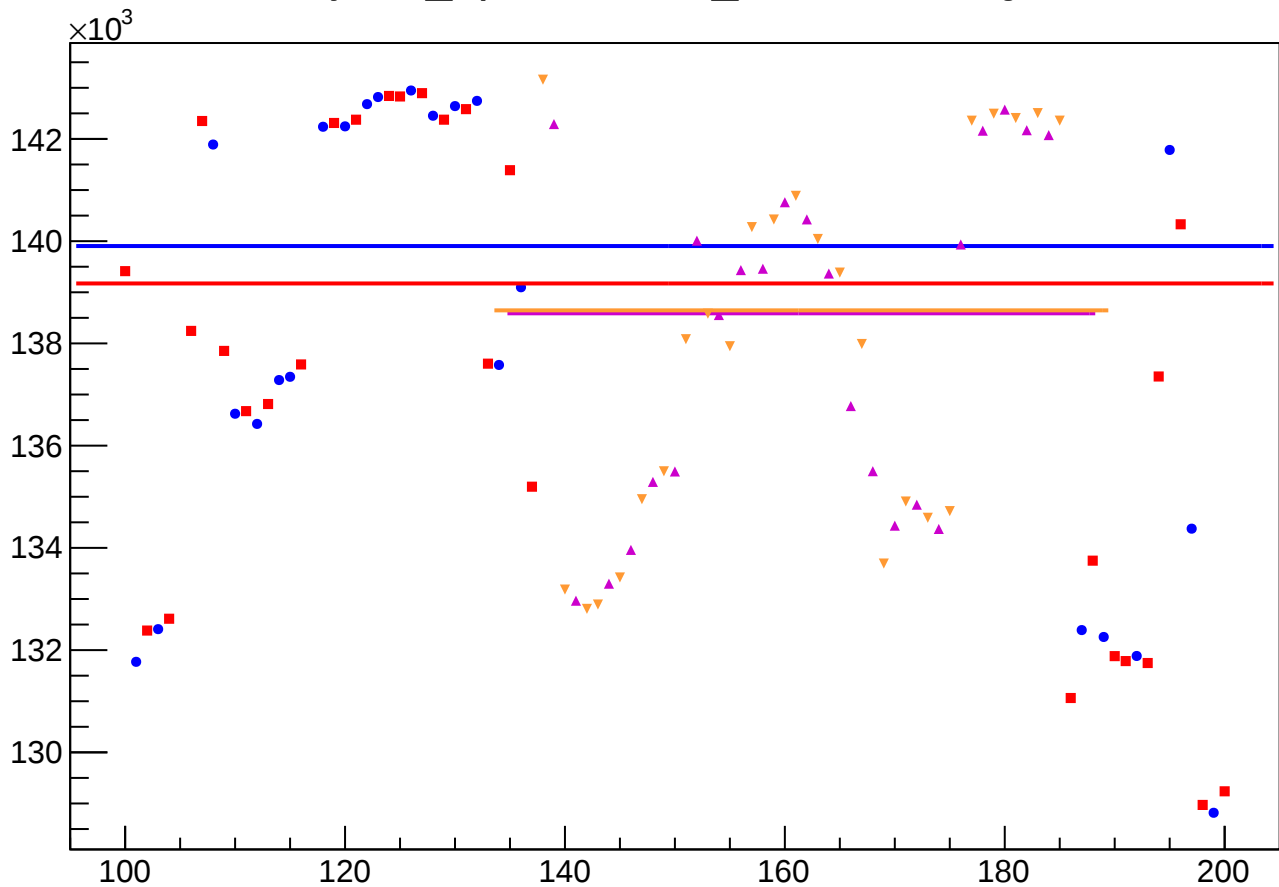
yield_bpm0l10WS_rms vs Slug



Right In: 187.708 $\pm$ 0.044 χ^2 /NDF: 2560380.8/22
 Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24
 Right Out: 185.168 $\pm$ 0.040 χ^2 /NDF: 3602337.1/27
 Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 203.861 $\pm$ 0.028 χ^2 /NDF: 3765391.6/47
 All: 202.481 $\pm$ 0.020 χ^2 /NDF: 8557372.8/98
 - sign 201.171 $\pm$ 0.027 χ^2 /NDF: 4787234.1/50

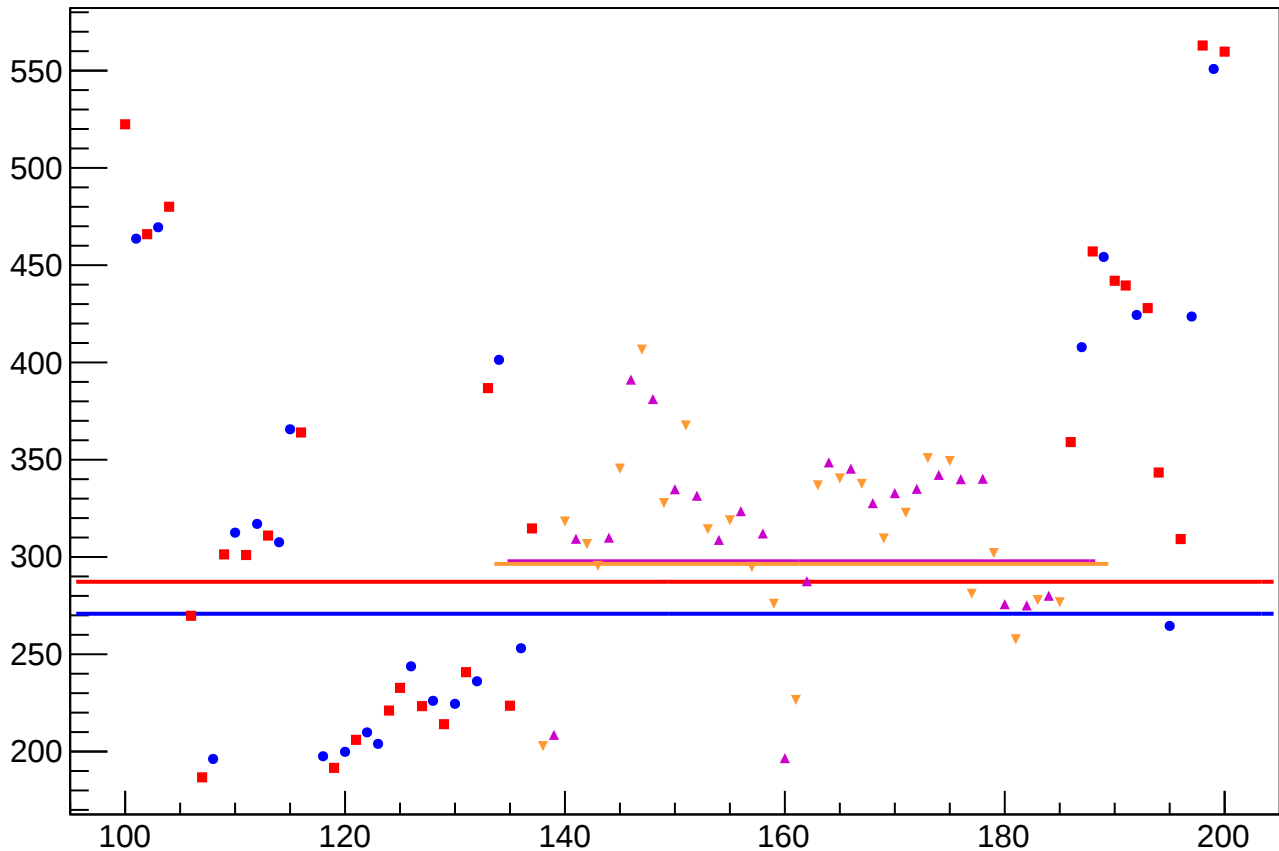
yield_bpm0r03WS_mean vs Slug



Right In: 139904.617 $\pm$ 0.089 χ^2 /NDF: 1908901188.7/22
 Left Out: 138646.366 $\pm$ 0.071 χ^2 /NDF: 2548637600.4/24
 Right Out: 139172.789 $\pm$ 0.086 χ^2 /NDF: 2319326823.1/27
 Left In: 138588.711 $\pm$ 0.074 χ^2 /NDF: 1948065195.1/22

+ sign 139133.518 $\pm$ 0.055 χ^2 /NDF: 4579648137.9
 All: 138985.962 $\pm$ 0.039 χ^2 /NDF: 888791705
 - sign 138835.792 $\pm$ 0.056 χ^2 /NDF: 4293988188.2/

yield_bpm0r03WS_rms vs Slug



Right In: 270.824 ± 0.063 χ^2/NDF : 2030810.5/22

Left Out: 296.464 ± 0.050 χ^2/NDF : 893579.7/24

Right Out: 287.265 ± 0.061 χ^2/NDF : 2708589.1/27

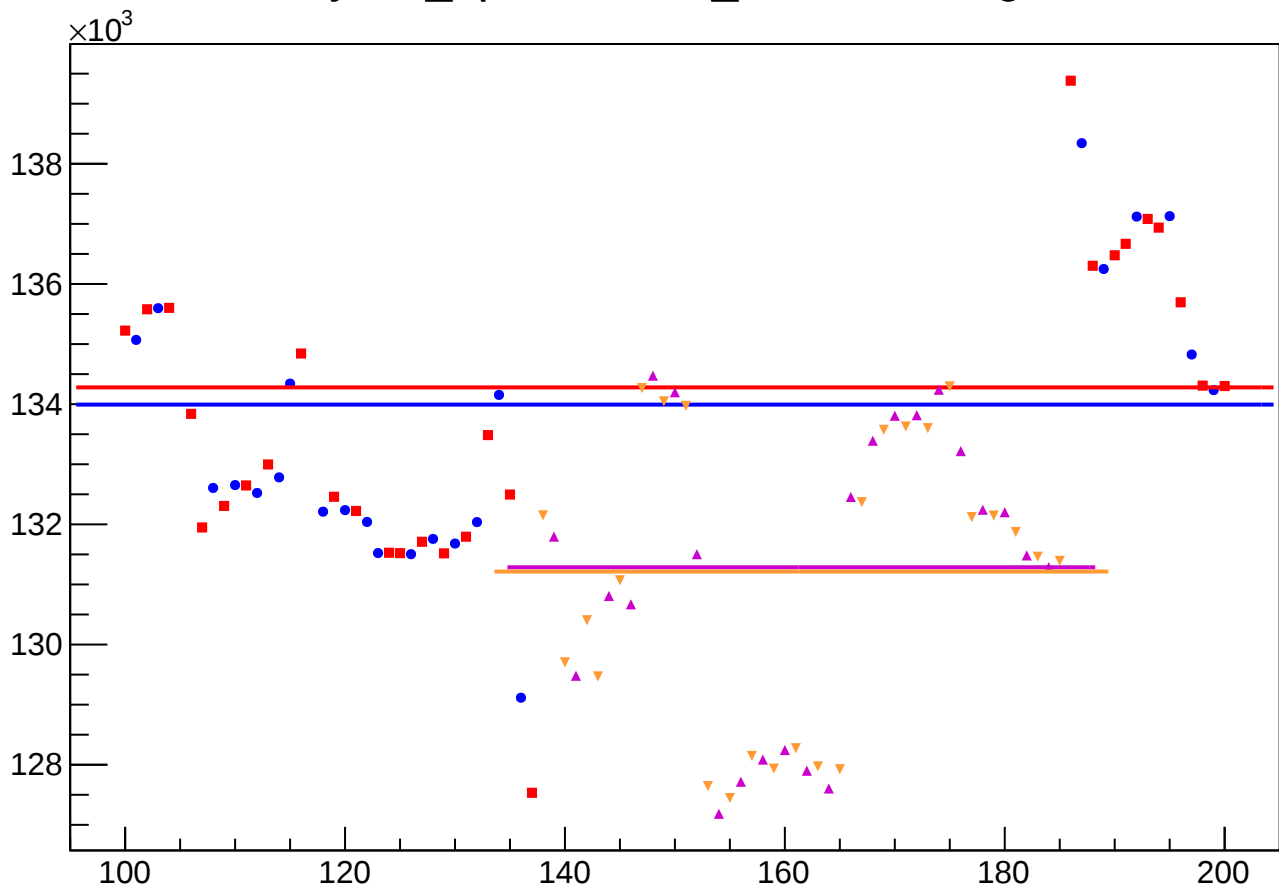
Left In: 297.774 ± 0.052 χ^2/NDF : 1061489.5/22

+ sign 286.537 ± 0.039 χ^2/NDF : 3025807.6/47

All: 289.903 ± 0.028 χ^2/NDF : 6827968.9/98

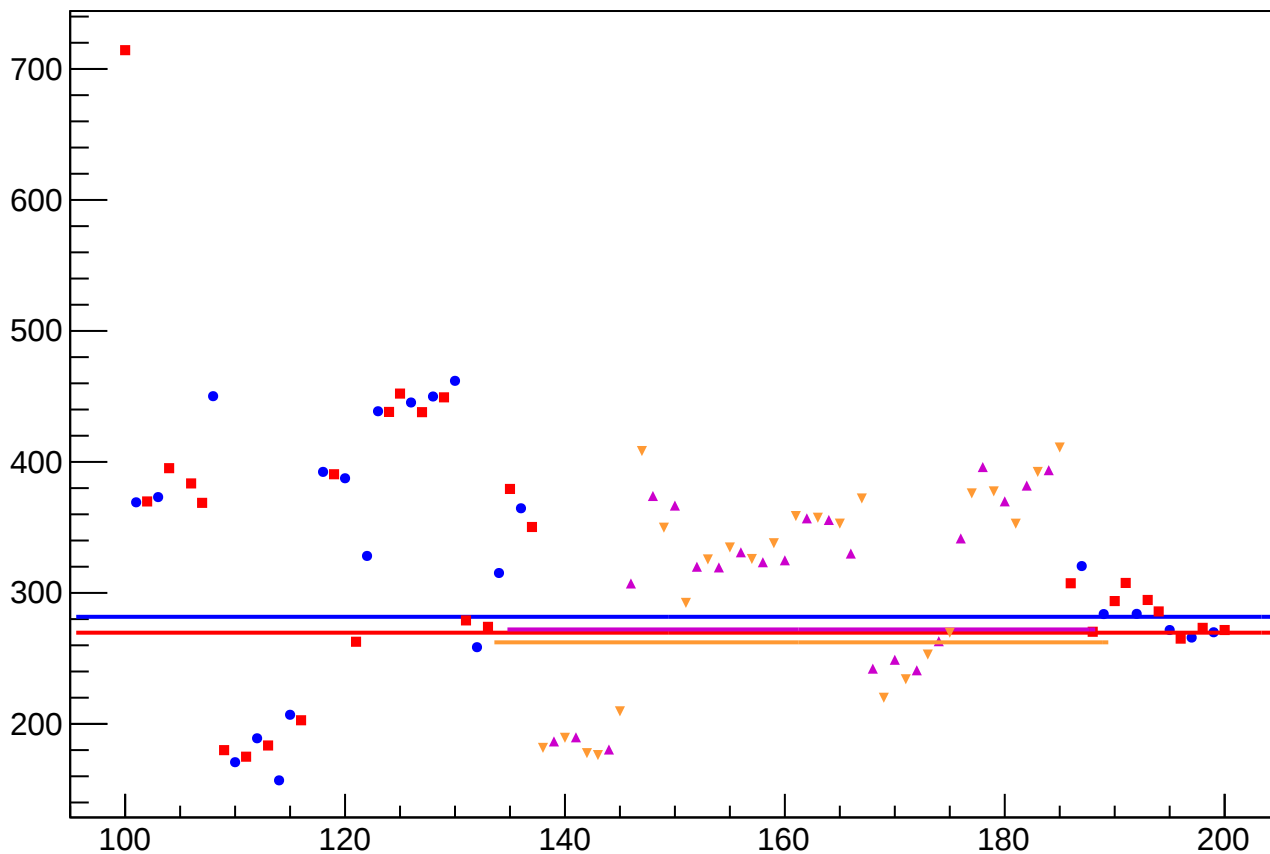
- sign 293.329 ± 0.040 χ^2/NDF : 3787299.5/50

yield_bpm0r05WS_mean vs Slug



Right In: 133992.909 $\pm$ 0.091	χ^2 /NDF: 590598358.2/22	+ sign 132143.890 $\pm$ 0.052	χ^2 /NDF: 2387835906.0
Left Out: 131214.985 $\pm$ 0.064	χ^2 /NDF: 1173424494.6/24	All: 132361.136 $\pm$ 0.037	χ^2 /NDF: 497856174
Right Out: 134279.310 $\pm$ 0.079	χ^2 /NDF: 676504188.6/27	- sign 132571.347 $\pm$ 0.052	χ^2 /NDF: 2556998147.4
Left In: 131285.623 $\pm$ 0.068	χ^2 /NDF: 1056232192.1/22		

yield_bpm0r05WS_rms vs Slug



Right In: 281.758 ± 0.064 $\chi^2/\text{NDF}: 1531966.0/22$

Left Out: 262.260 ± 0.045 $\chi^2/\text{NDF}: 2818169.1/24$

Right Out: 269.635 ± 0.056 $\chi^2/\text{NDF}: 1667009.2/27$

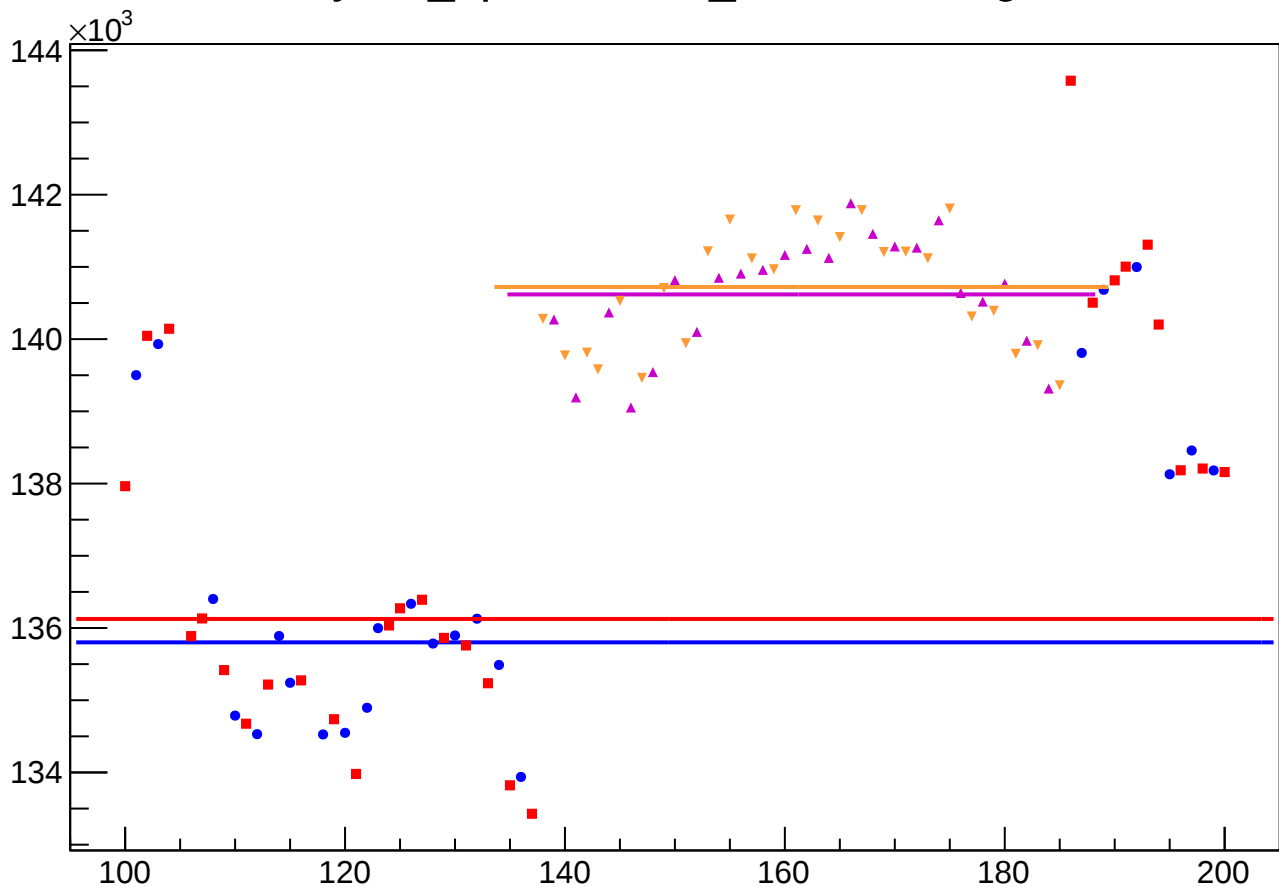
Left In: 272.115 ± 0.048 $\chi^2/\text{NDF}: 2221925.0/22$

+ sign 268.780 ± 0.037 $\chi^2/\text{NDF}: 4411600.3/47$

All: 269.933 ± 0.026 $\chi^2/\text{NDF}: 8303568.2/98$

- sign 271.050 ± 0.036 $\chi^2/\text{NDF}: 3890065.4/50$

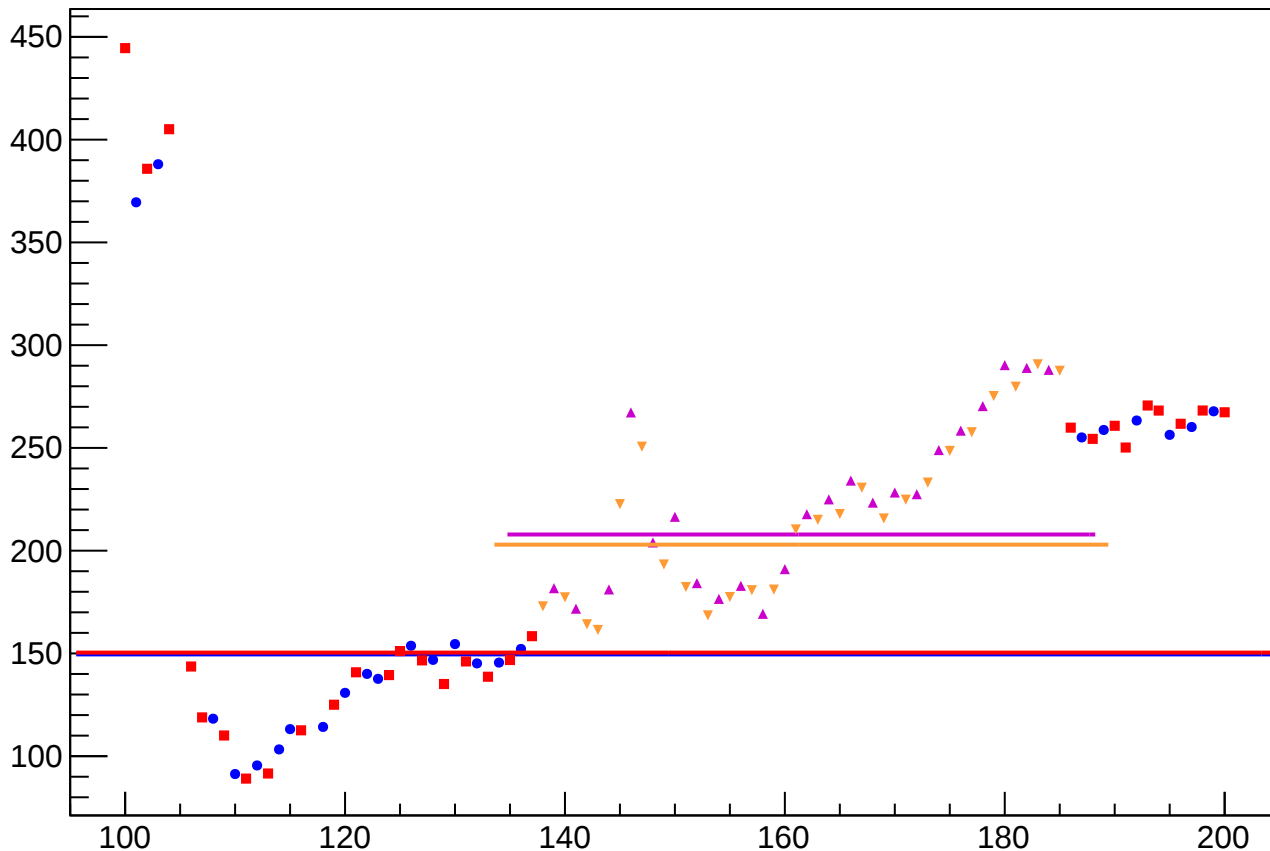
yield_bpm0i02WS_mean vs Slug



Right In: 135801.285 ± 0.050 χ^2/NDF : 1256498171.7/22
 Left Out: 140721.823 ± 0.048 χ^2/NDF : 247257762.8/24
 Right Out: 136125.450 ± 0.046 χ^2/NDF : 1997784532.6/27
 Left In: 140619.038 ± 0.051 χ^2/NDF : 200370178.0/22

+ sign 138356.529 ± 0.035 χ^2/NDF : 6470701761.8
 All: 138253.092 ± 0.024 χ^2/NDF : 129323445
 - sign 138152.995 ± 0.034 χ^2/NDF : 6444341243.6

yield_bpm0i02WS_rms vs Slug



Right In: 149.523 $\pm$ 0.036 χ^2 /NDF: 3056516.3/22

Left Out: 202.934 $\pm$ 0.034 χ^2 /NDF:1052283.6/24

Right Out: 150.410 $\pm$ 0.033 χ^2 /NDF: 4054657.1/27

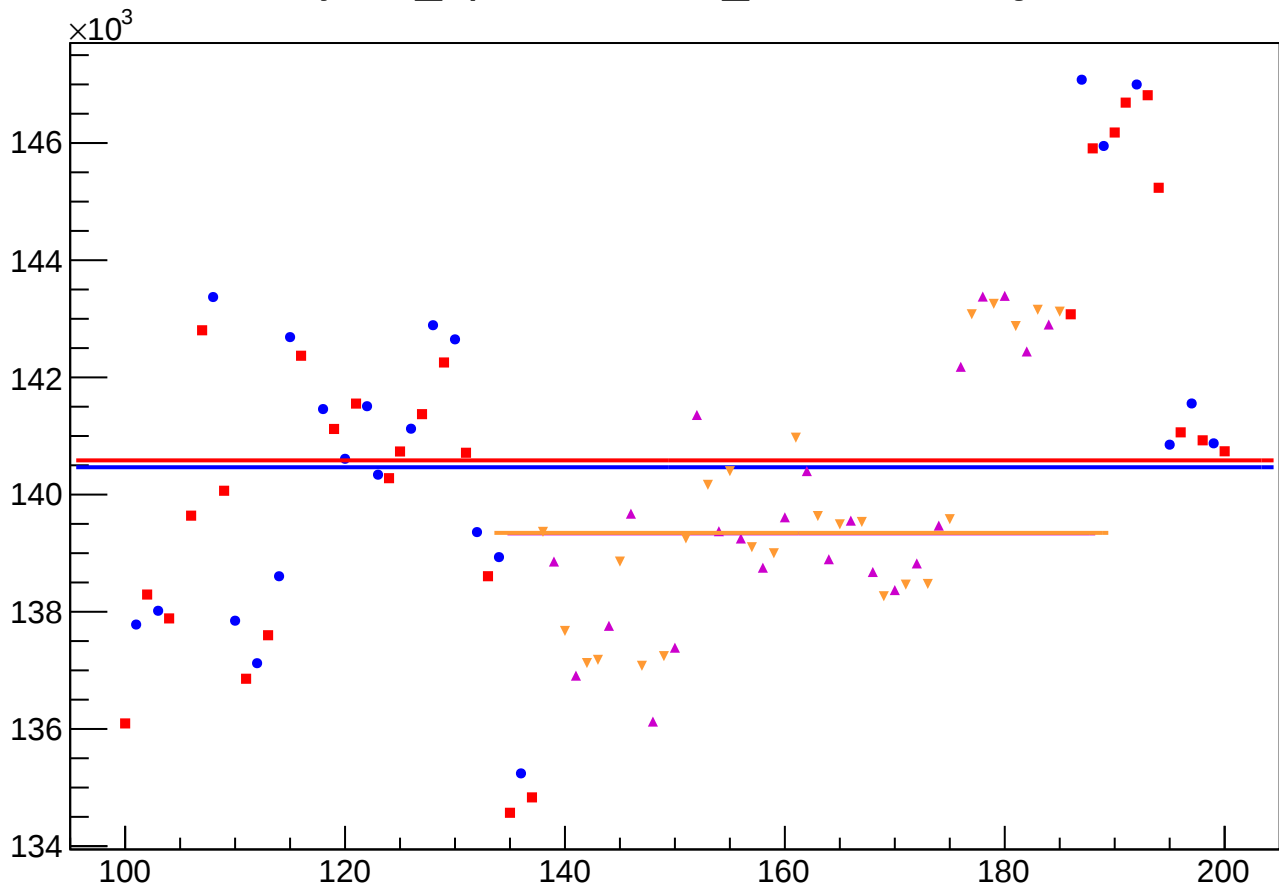
Left In: 207.872 $\pm$ 0.036 χ^2 /NDF:949200.3/22

+ sign 177.260 $\pm$ 0.025 χ^2 /NDF: 5279251.1/47

All: 176.791 $\pm$ 0.017 χ^2 /NDF: 11672490.8/98

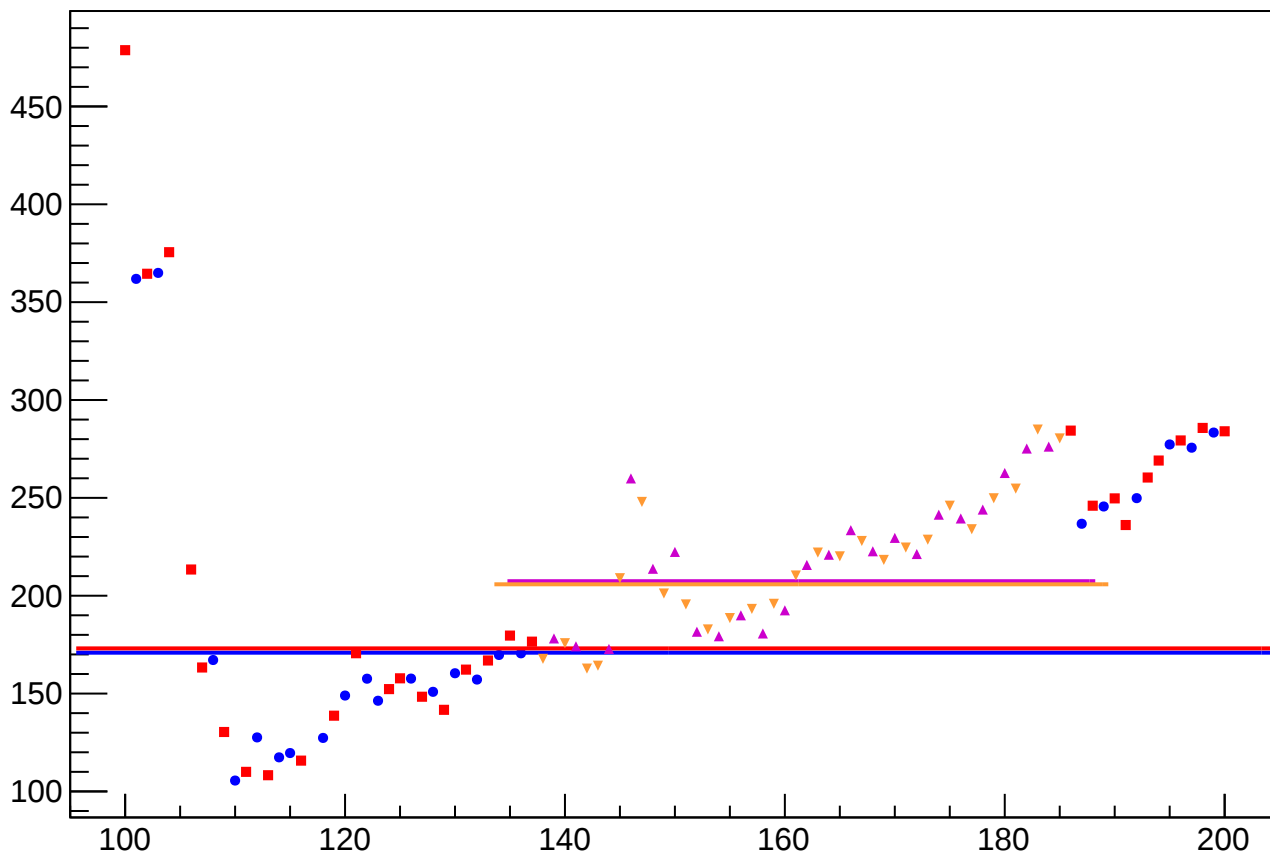
- sign 176.337 $\pm$ 0.024 χ^2 /NDF: 6392529.3/50

yield_bpm0i02aWS_mean vs Slug



Right In: 140466.710+/-0.056 χ^2/NDF : 2769049107.2/22
 Left Out: 139346.604+/-0.049 χ^2/NDF : 1271172976.7/24
 Right Out: 140583.961+/-0.052 χ^2/NDF : 3211286170.0/27
 Left In: 139337.874+/-0.051 χ^2/NDF : 1293003954.9/22
 + sign 139828.922+/-0.037 χ^2/NDF : 4265551871.5
 All: 139887.973+/-0.026 χ^2/NDF : 906771719
 - sign 139945.275+/-0.036 χ^2/NDF : 4797132423.8/

yield_bpm0i02aWS_rms vs Slug



Right In: 170.893+/-0.040 χ^2/NDF : 2269820.9/22

Left Out: 205.833+/-0.035 χ^2/NDF : 738666.4/24

Right Out: 173.088+/-0.037 χ^2/NDF : 3075018.6/27

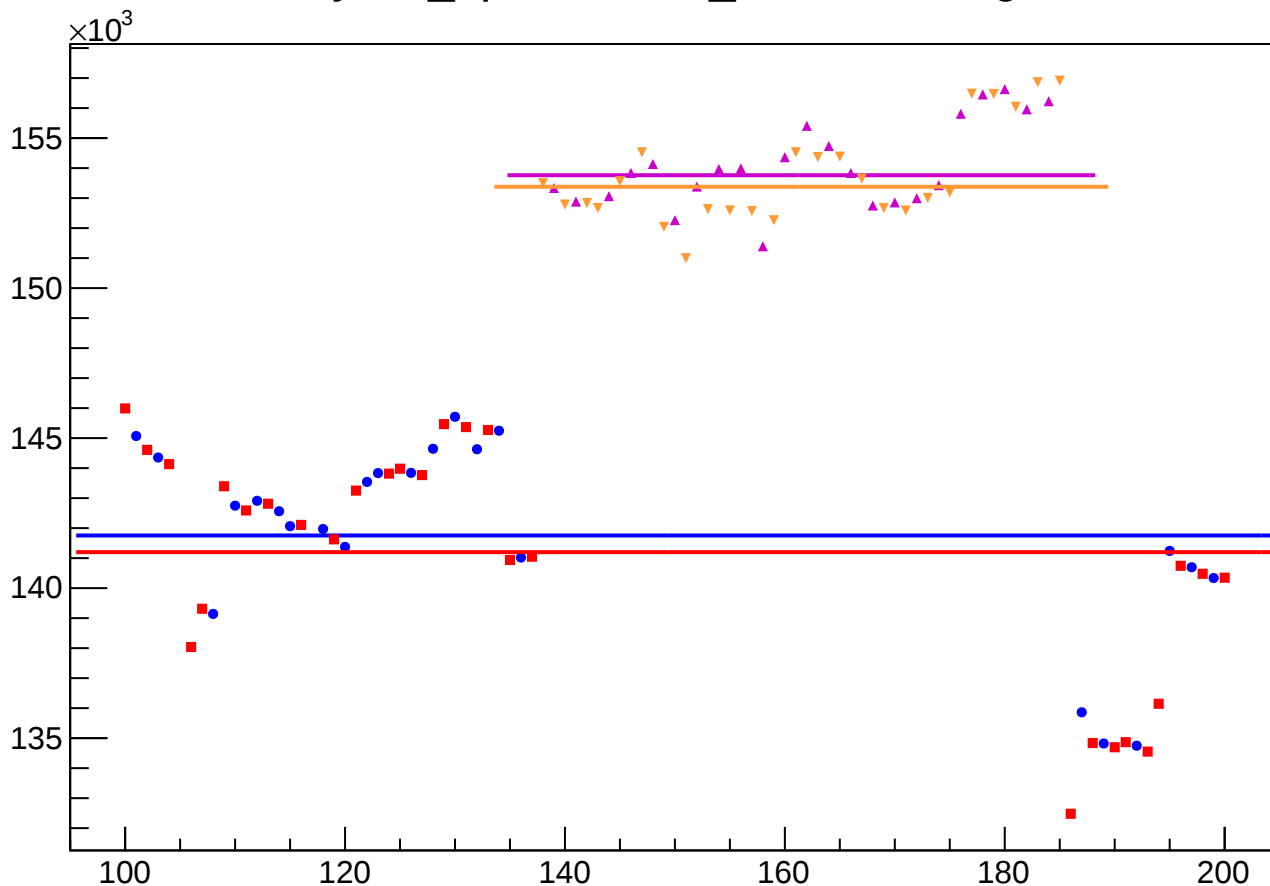
Left In: 207.416+/-0.036 χ^2/NDF : 701955.3/22

+ sign 190.788+/-0.026 χ^2/NDF : 3446983.5/47

All: 190.735+/-0.018 χ^2/NDF : 7668450.4/98

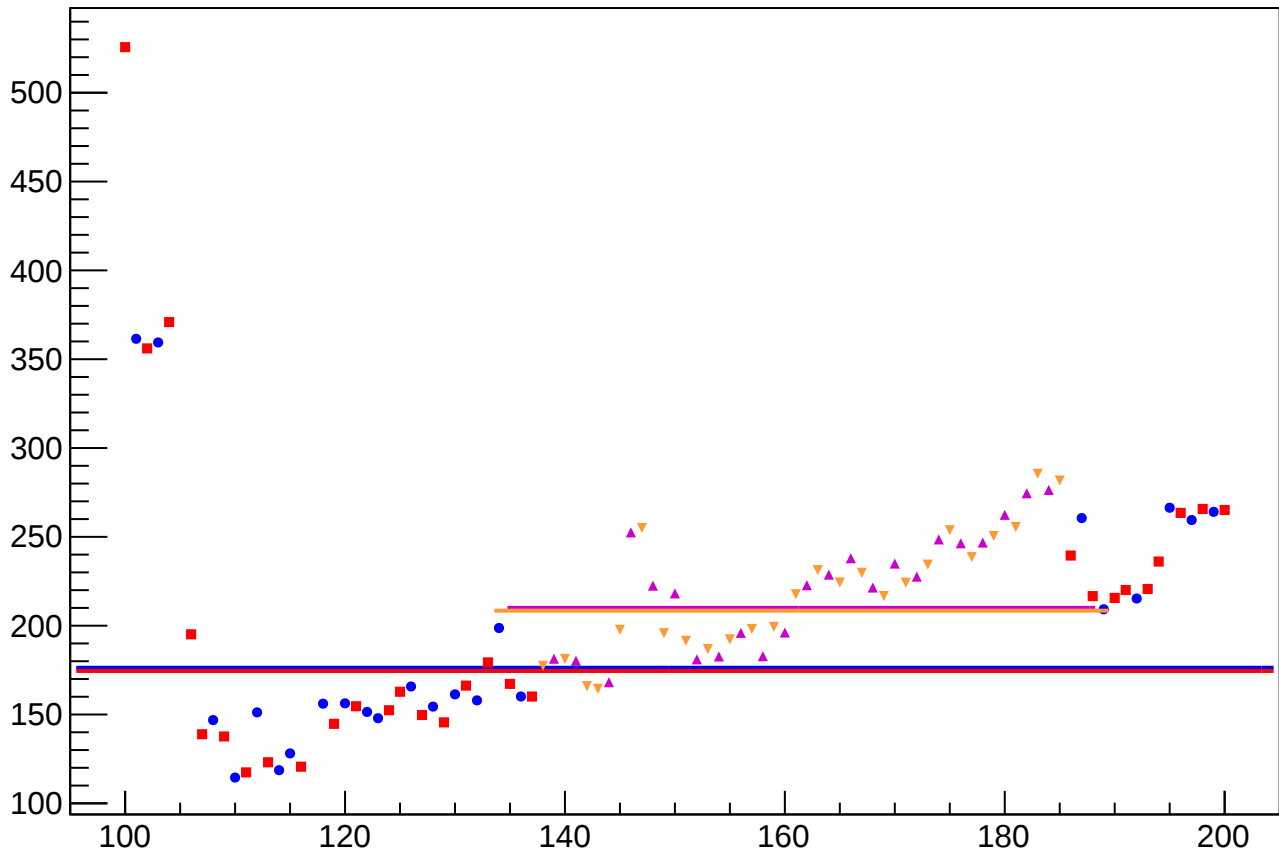
- sign 190.683+/-0.026 χ^2/NDF : 4221458.8/50

yield_bpm0i05WS_mean vs Slug



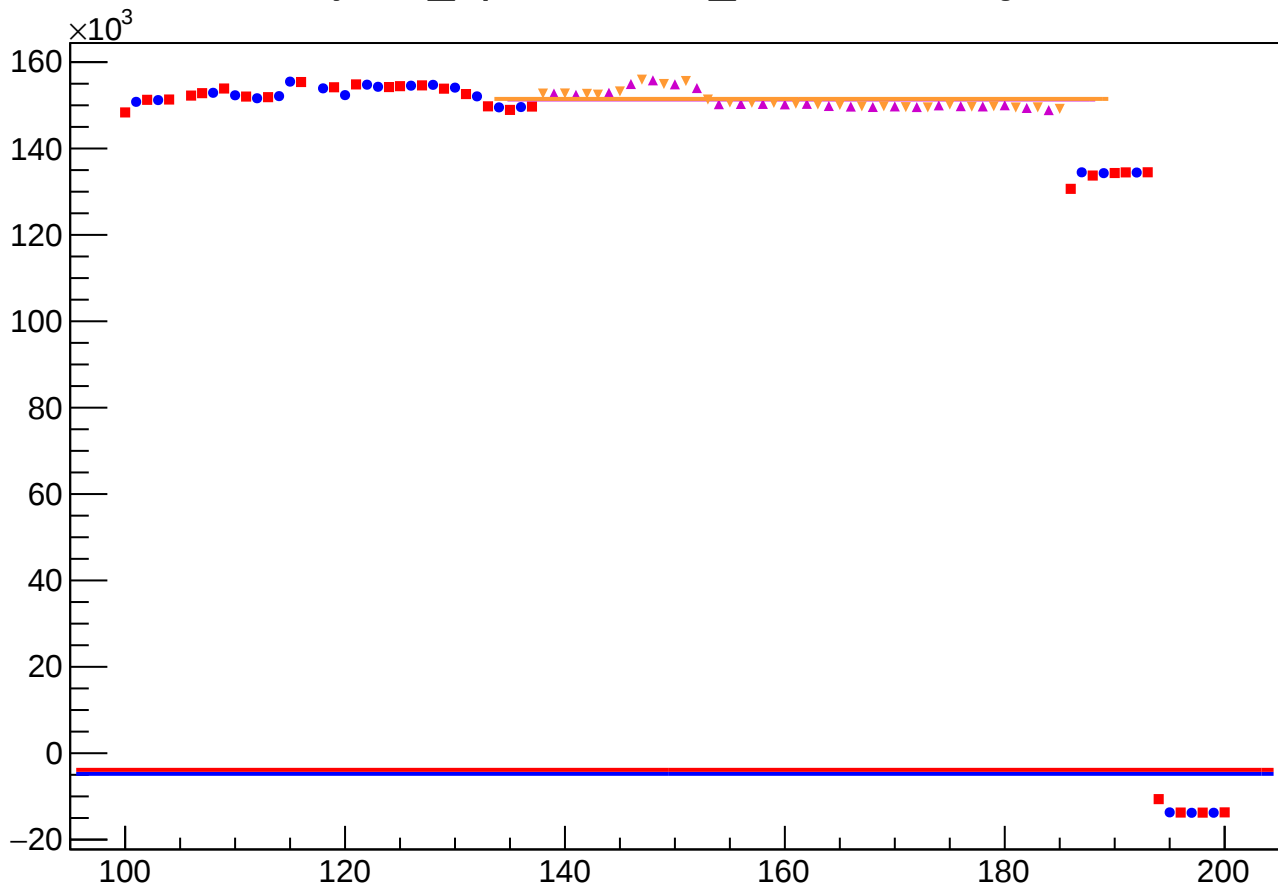
Right In: 141754.954 $\pm$ 0.057	χ^2 /NDF: 2619603538.3/22	+ sign 148398.290 $\pm$ 0.037	χ^2 /NDF: 27002355812.
Left Out: 153376.698 $\pm$ 0.050	χ^2 /NDF: 803848095.1/24	All: 147936.524 $\pm$ 0.026	χ^2 /NDF: 620675073
Right Out: 141199.016 $\pm$ 0.052	χ^2 /NDF: 4405992718.8/27	- sign 147499.554 $\pm$ 0.036	χ^2 /NDF: 34769280694.4
Left In: 153762.419 $\pm$ 0.051	χ^2 /NDF: 635075685.0/22		

yield_bpm0i05WS_rms vs Slug



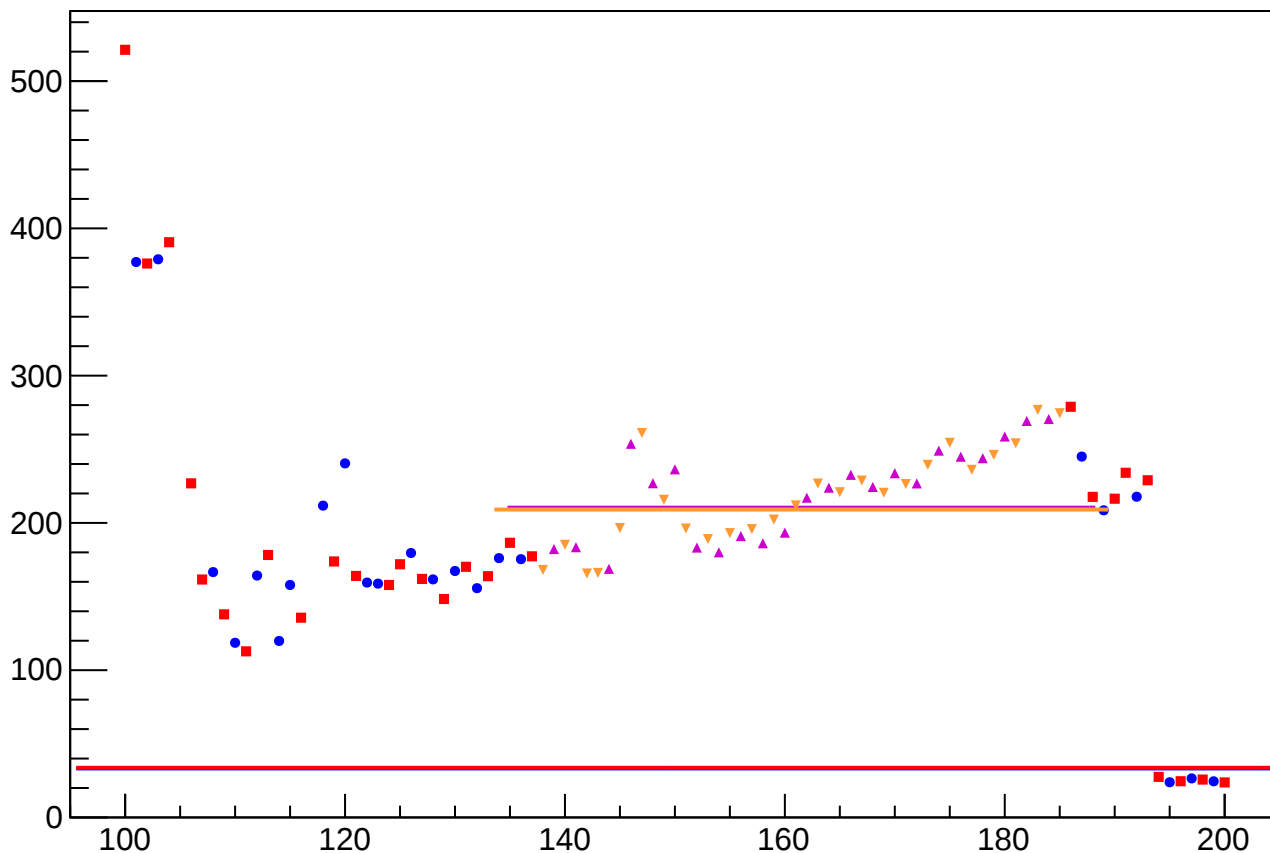
Right In: 176.321+/-0.040	χ^2/NDF : 1677558.0/22	+ sign 194.696+/-0.026	χ^2/NDF : 2759221.7/47
Left Out: 208.466+/-0.035	χ^2/NDF : 720894.7/24	All: 193.480+/-0.018	χ^2/NDF : 6147886.0/98
Right Out: 174.516+/-0.036	χ^2/NDF : 2206887.9/27	- sign 192.330+/-0.026	χ^2/NDF : 3384563.6/50
Left In: 210.038+/-0.036	χ^2/NDF : 702369.5/22		

yield_bpm0i07WS_mean vs Slug



Right In: -4769.547 $\pm$ 0.016 χ^2/NDF : 5683589540822.5/22
 Left Out: 151483.385 $\pm$ 0.050 χ^2/NDF : 1481910066.9/24
 Right Out: -3848.140 $\pm$ 0.015 χ^2/NDF : 6928303856404.0/27
 Left In: 151363.165 $\pm$ 0.051 χ^2/NDF : 1421662089.0/22

yield_bpm0i07WS_rms vs Slug



Right In: 33.282 $\pm$ 0.011 χ^2 /NDF: 11154060.6/22

Left Out: 209.076 $\pm$ 0.035 χ^2 /NDF: 708260.3/24

Right Out: 33.719 $\pm$ 0.010 χ^2 /NDF: 13055691.7/27

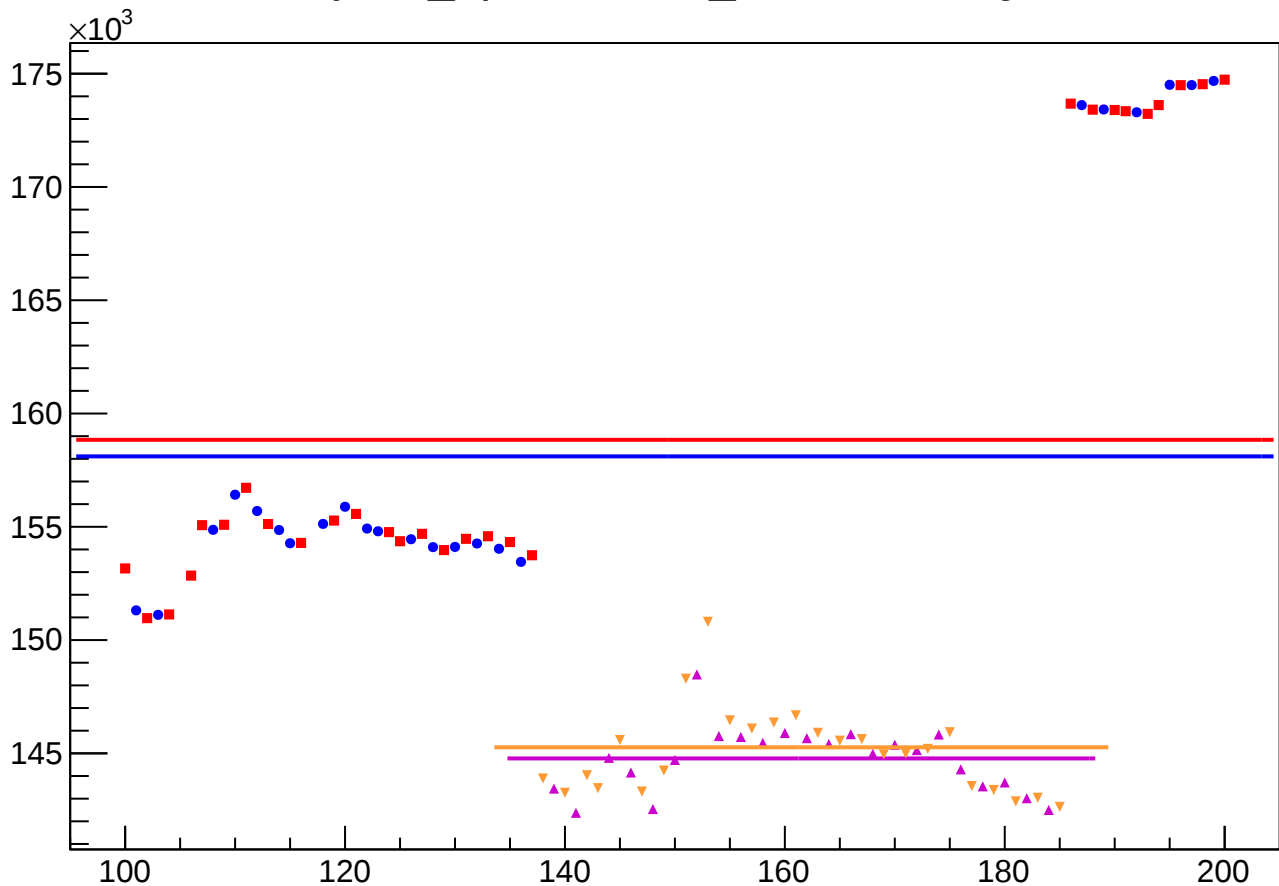
Left In: 210.345 $\pm$ 0.036 χ^2 /NDF: 677747.7/22

+ sign 49.247 $\pm$ 0.011 χ^2 /NDF: 34775551.1/47

All: 47.941 $\pm$ 0.007 χ^2 /NDF: 70404801.3/98

- sign 46.795 $\pm$ 0.010 χ^2 /NDF: 35600514.4/50

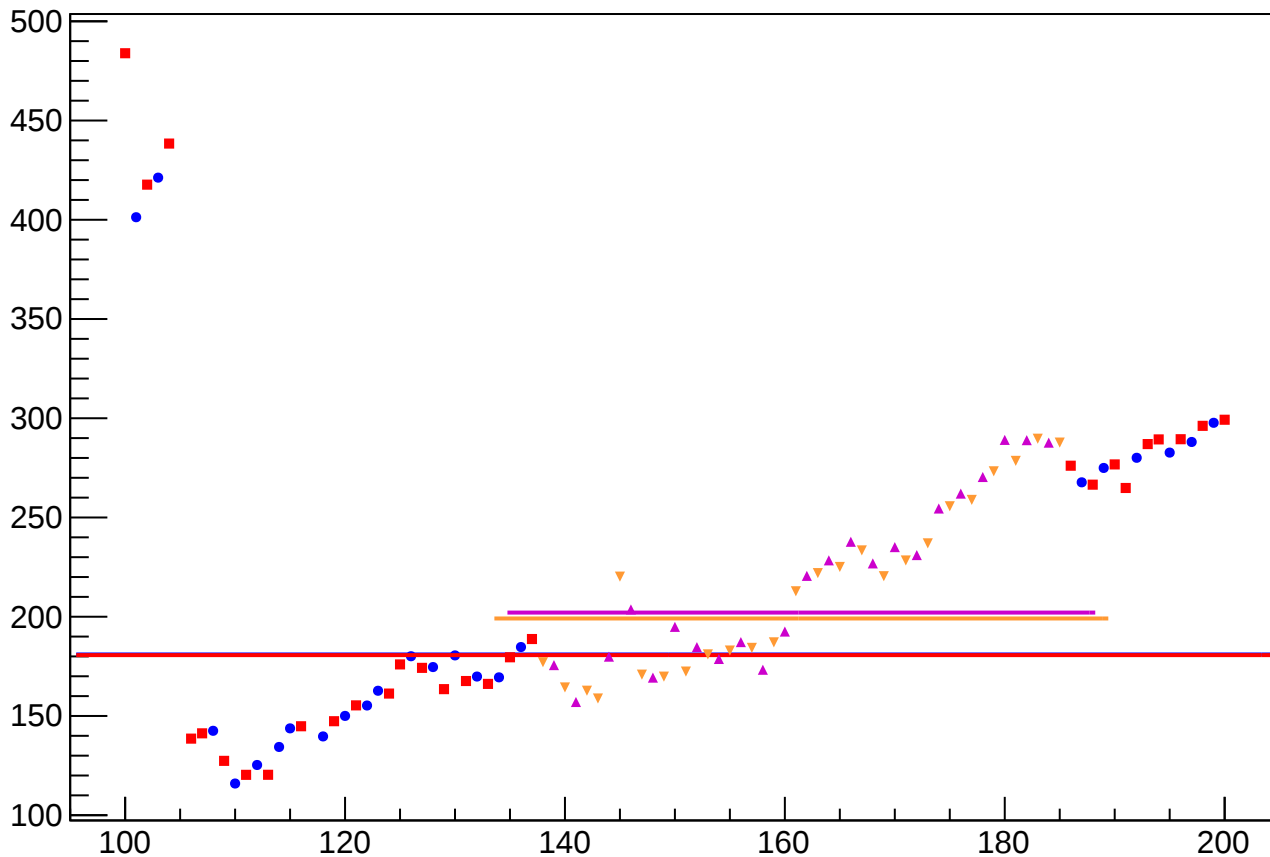
yield_bpm1i02WS_mean vs Slug



Right In: 158108.369 $\pm$ 0.060 χ^2 /NDF: 15236064994.0/22
 Left Out: 145266.717 $\pm$ 0.047 χ^2 /NDF: 1717707352.7/24
 Right Out: 158840.091 $\pm$ 0.054 χ^2 /NDF: 20966490705.9/27
 Left In: 144776.016 $\pm$ 0.050 χ^2 /NDF: 918120275.4/22

+ sign 150244.787 $\pm$ 0.037 χ^2 /NDF: 45414157117.
 All: 150725.789 $\pm$ 0.026 χ^2 /NDF: 104373118.
 - sign 151192.835 $\pm$ 0.037 χ^2 /NDF: 58627420905.5

yield_bpm1i02WS_rms vs Slug



Right In: 180.981+/-0.042 χ^2/NDF : 2392227.1/22

Left Out: 199.118+/-0.034 χ^2/NDF : 1152231.0/24

Right Out: 180.656+/-0.038 χ^2/NDF : 3151828.3/27

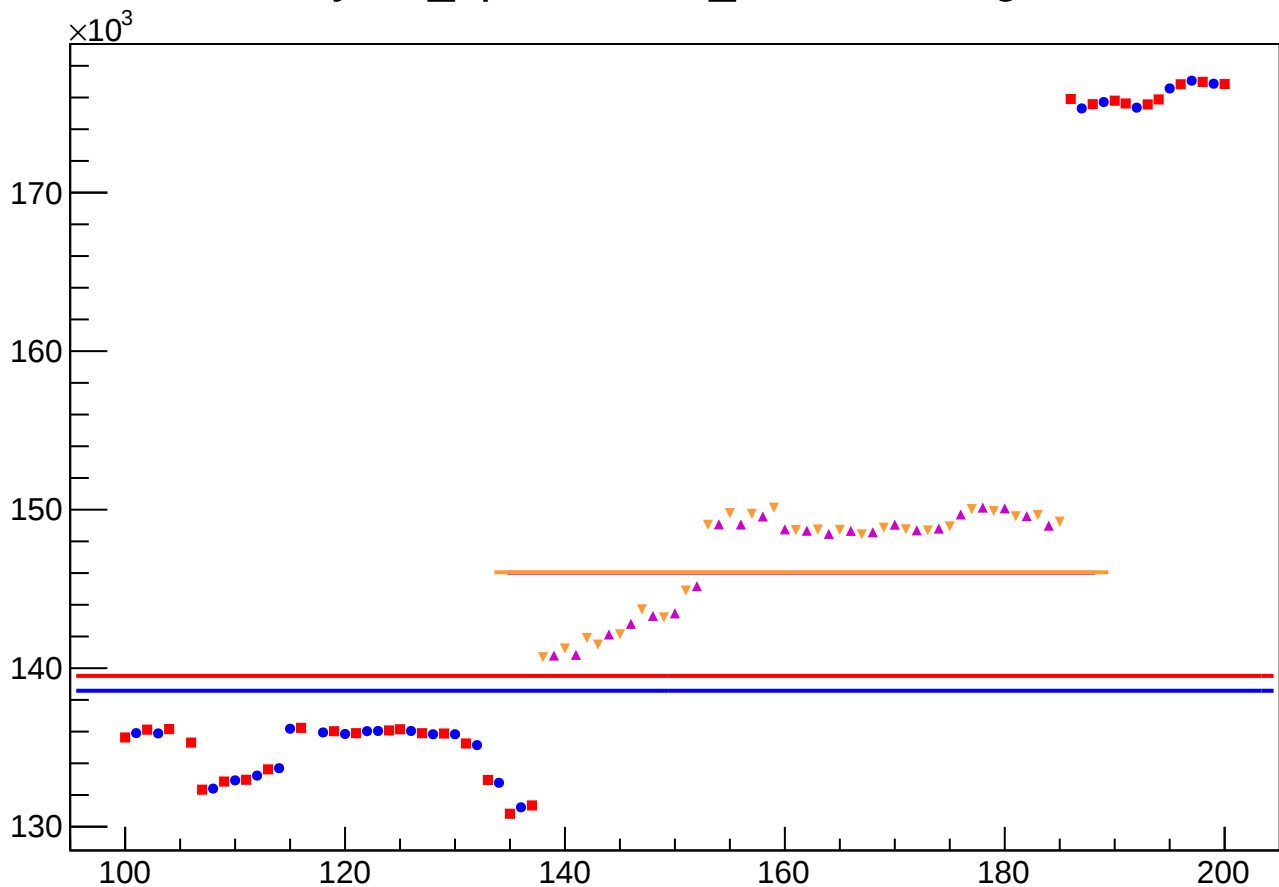
Left In: 202.090+/-0.035 χ^2/NDF : 1057833.2/22

+ sign 192.087+/-0.026 χ^2/NDF : 3658002.4/47

All: 192.201+/-0.018 χ^2/NDF : 8038381.4/98

- sign 192.311+/-0.026 χ^2/NDF : 4380342.1/50

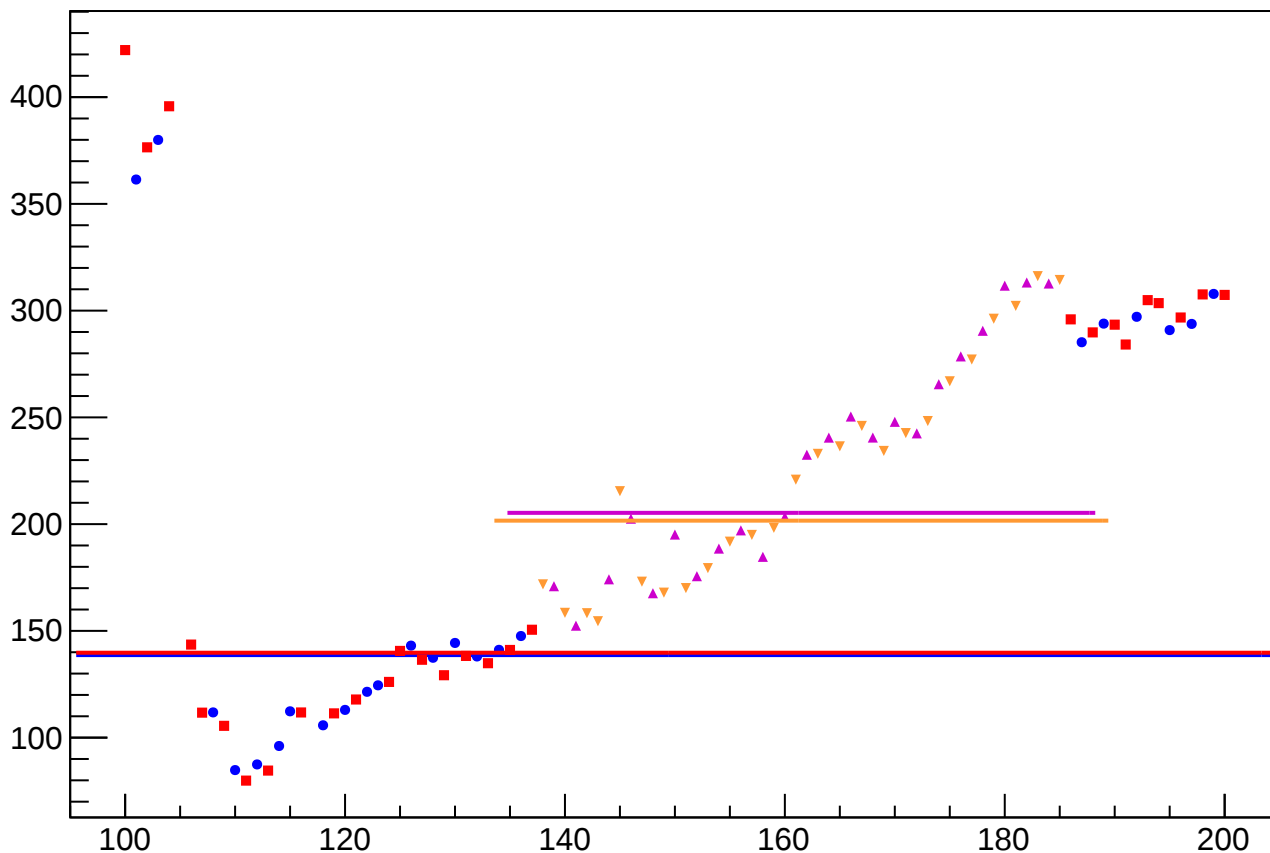
yield_bpm1i04WS_mean vs Slug



Right In: 138576.677 $\pm$ 0.048 χ^2 /NDF: 71920069990.8/22
 Left Out: 146051.733 $\pm$ 0.048 χ^2 /NDF: 5403300123.1/24
 Right Out: 139514.715 $\pm$ 0.044 χ^2 /NDF: 101276952913.0/27
 Left In: 146020.015 $\pm$ 0.051 χ^2 /NDF: 4591425371.4/22

+ sign 142271.878 $\pm$ 0.034 χ^2 /NDF: 89432685672.
 All: 142302.905 $\pm$ 0.024 χ^2 /NDF: 204651610
 - sign 142332.803 $\pm$ 0.033 χ^2 /NDF: 115217285805

yield_bpm1i04WS_rms vs Slug



Right In: 138.657 $\pm$ 0.034 χ^2 /NDF: 3945706.8/22

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 139.768 $\pm$ 0.031 χ^2 /NDF: 5342392.0/27

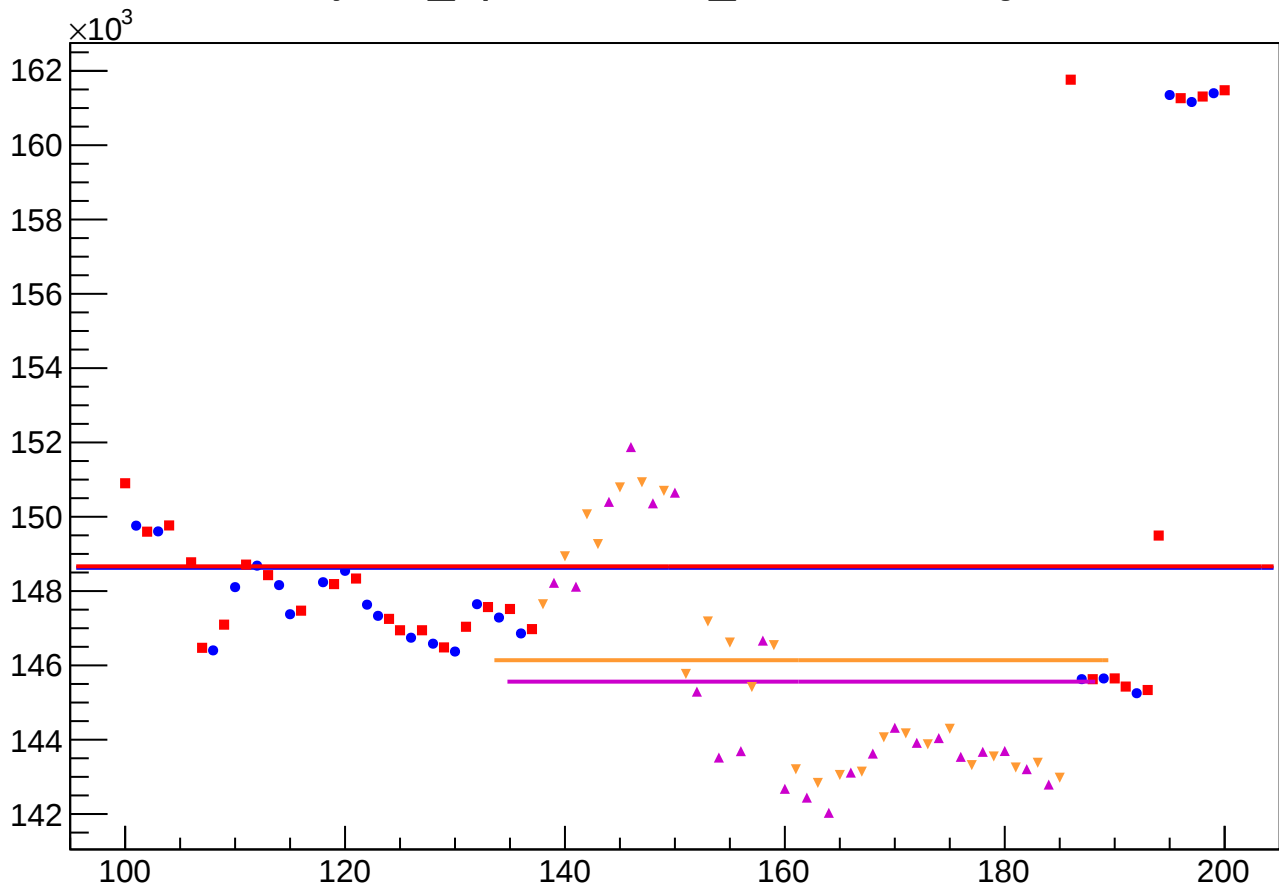
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 169.788 $\pm$ 0.024 χ^2 /NDF: 7254161.5/47

All: 168.954 $\pm$ 0.017 χ^2 /NDF: 15920861.8/98

- sign 168.150 $\pm$ 0.024 χ^2 /NDF: 8664332.2/50

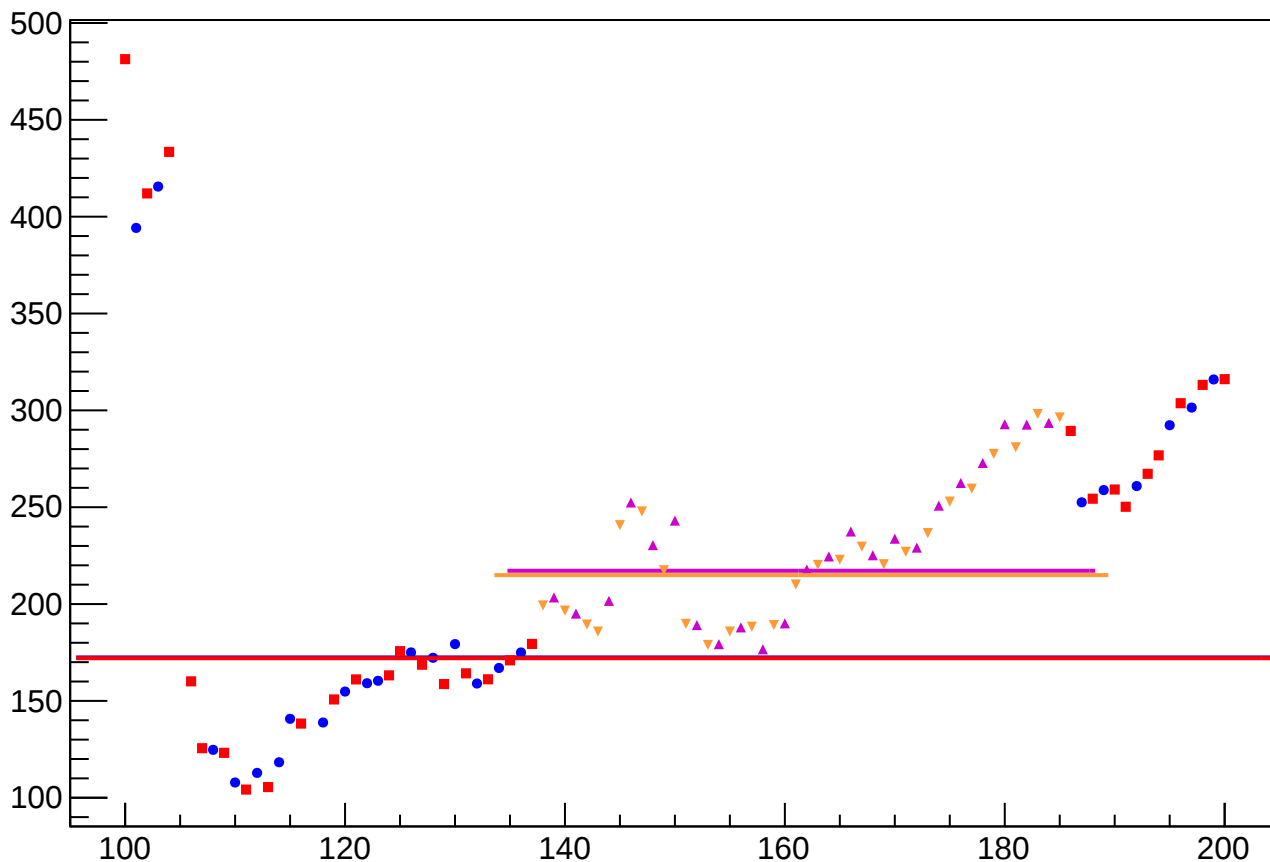
yield_bpm1i06WS_mean vs Slug



Right In: 148626.238 ± 0.057 $\chi^2/\text{NDF}: 4886513357.1/22$
 Left Out: 146139.326 ± 0.051 $\chi^2/\text{NDF}: 2699546907.6/24$
 Right Out: 148665.803 ± 0.052 $\chi^2/\text{NDF}: 5580169561.2/27$
 Left In: 145562.386 ± 0.053 $\chi^2/\text{NDF}: 3054641996.0/22$

+ sign 147235.482 ± 0.038 $\chi^2/\text{NDF}: 8638030808.4$
 All: 147186.521 ± 0.027 $\chi^2/\text{NDF}: 190142968$
 - sign 147139.734 ± 0.037 $\chi^2/\text{NDF}: 10373031127.0$

yield_bpm1i06WS_rms vs Slug



Right In: 172.439+/-0.041 χ^2/NDF : 2723426.8/22

Left Out: 214.945+/-0.036 χ^2/NDF : 728515.5/24

Right Out: 172.035+/-0.037 χ^2/NDF : 3627026.3/27

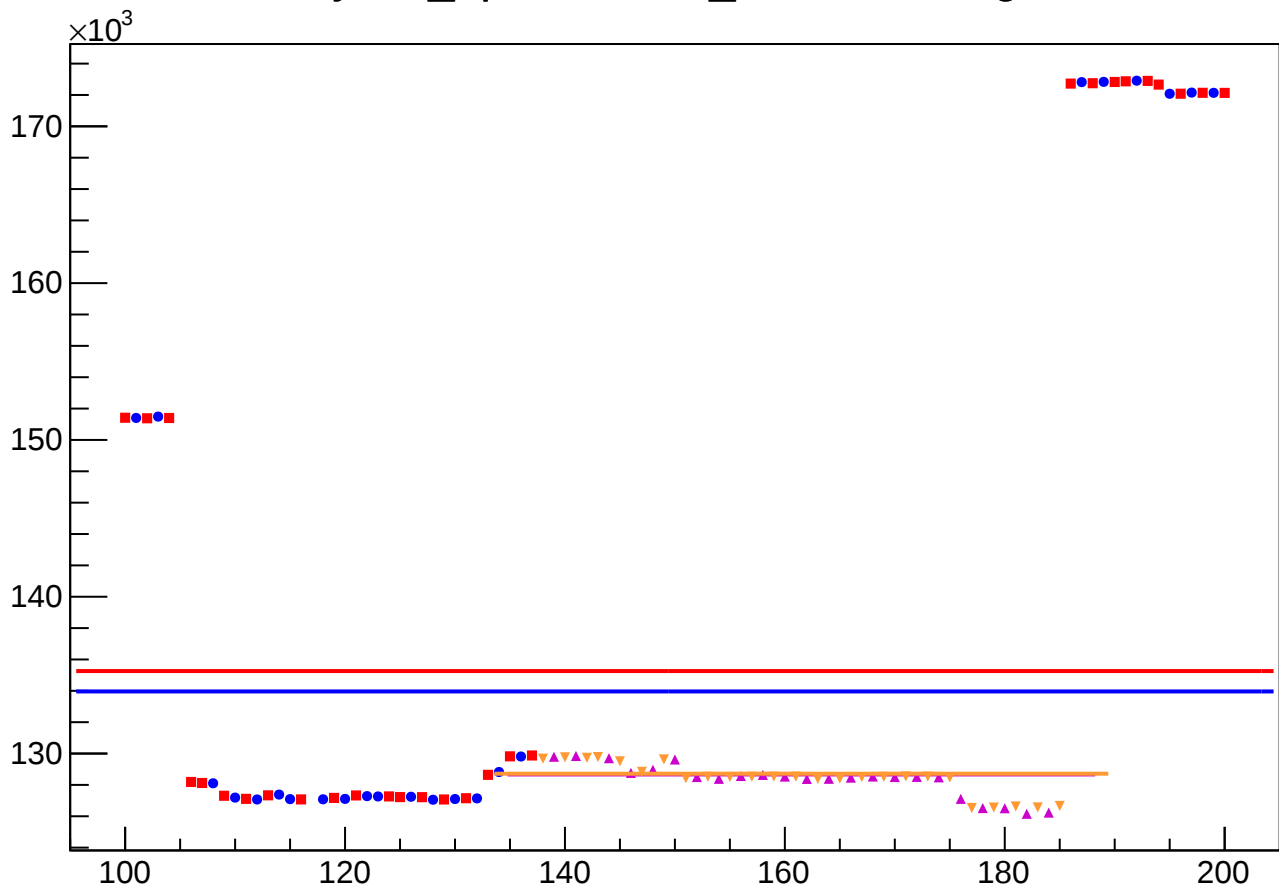
Left In: 217.203+/-0.038 χ^2/NDF : 764798.3/22

+ sign 196.210+/-0.027 χ^2/NDF : 4066575.4/47

All: 195.205+/-0.019 χ^2/NDF : 9197549.9/98

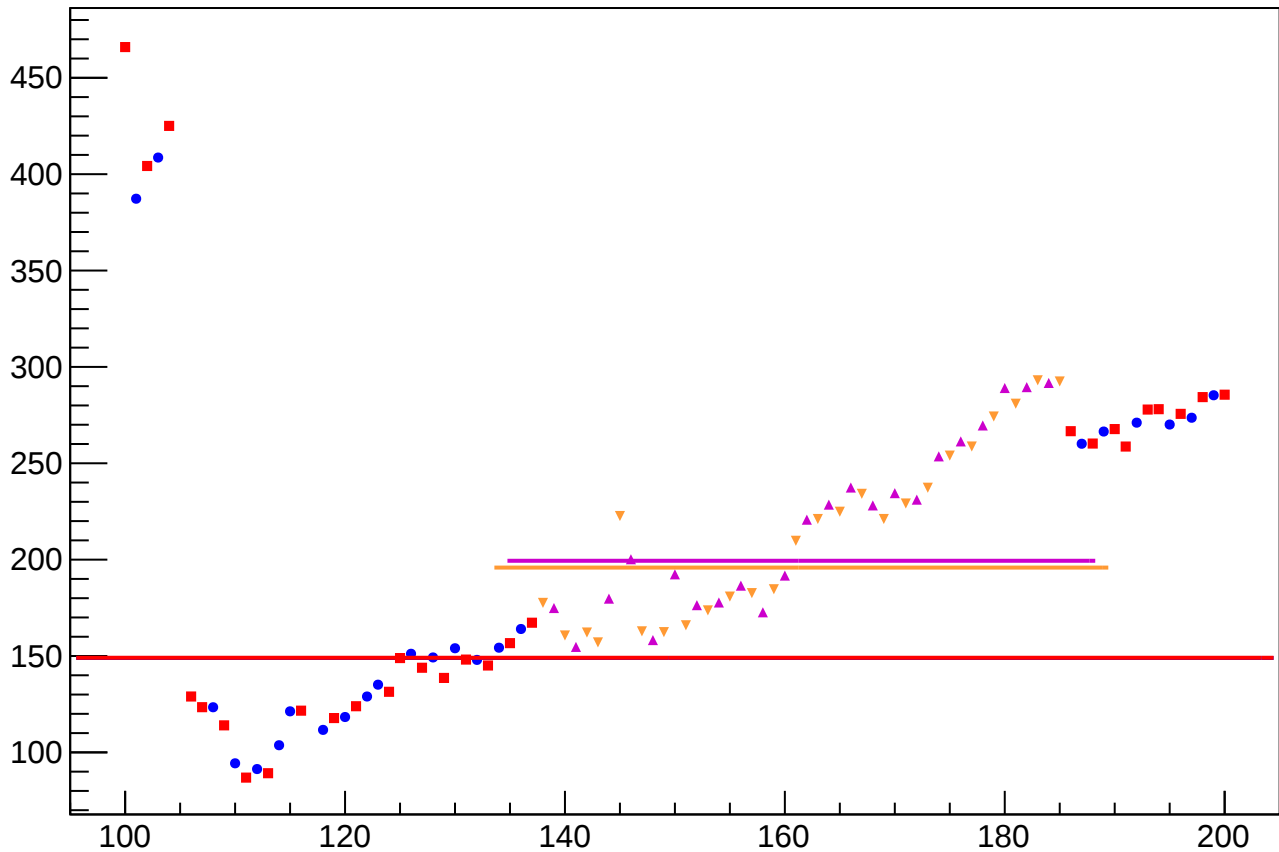
- sign 194.246+/-0.026 χ^2/NDF : 5128253.1/50

yield_bpm2i01WS_mean vs Slug



Right In: 133960.722 $\pm$ 0.050 χ^2 /NDF: 94255015111.2/22
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF:348178101.1/24
 Right Out: 135260.234 $\pm$ 0.046 χ^2 /NDF: 132474011005.1/27
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF:333059477.6/22
 + sign 131135.205 $\pm$ 0.034 χ^2 /NDF: 100426756827
 All: 131661.692 $\pm$ 0.024 χ^2 /NDF: 24330895
 - sign 132166.556 $\pm$ 0.034 χ^2 /NDF: 142419876267

yield_bpm2i01WS_rms vs Slug



Right In: 148.976 $\pm$ 0.036 χ^2 /NDF: 3362107.6/22

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 149.085 $\pm$ 0.033 χ^2 /NDF: 4440548.3/27

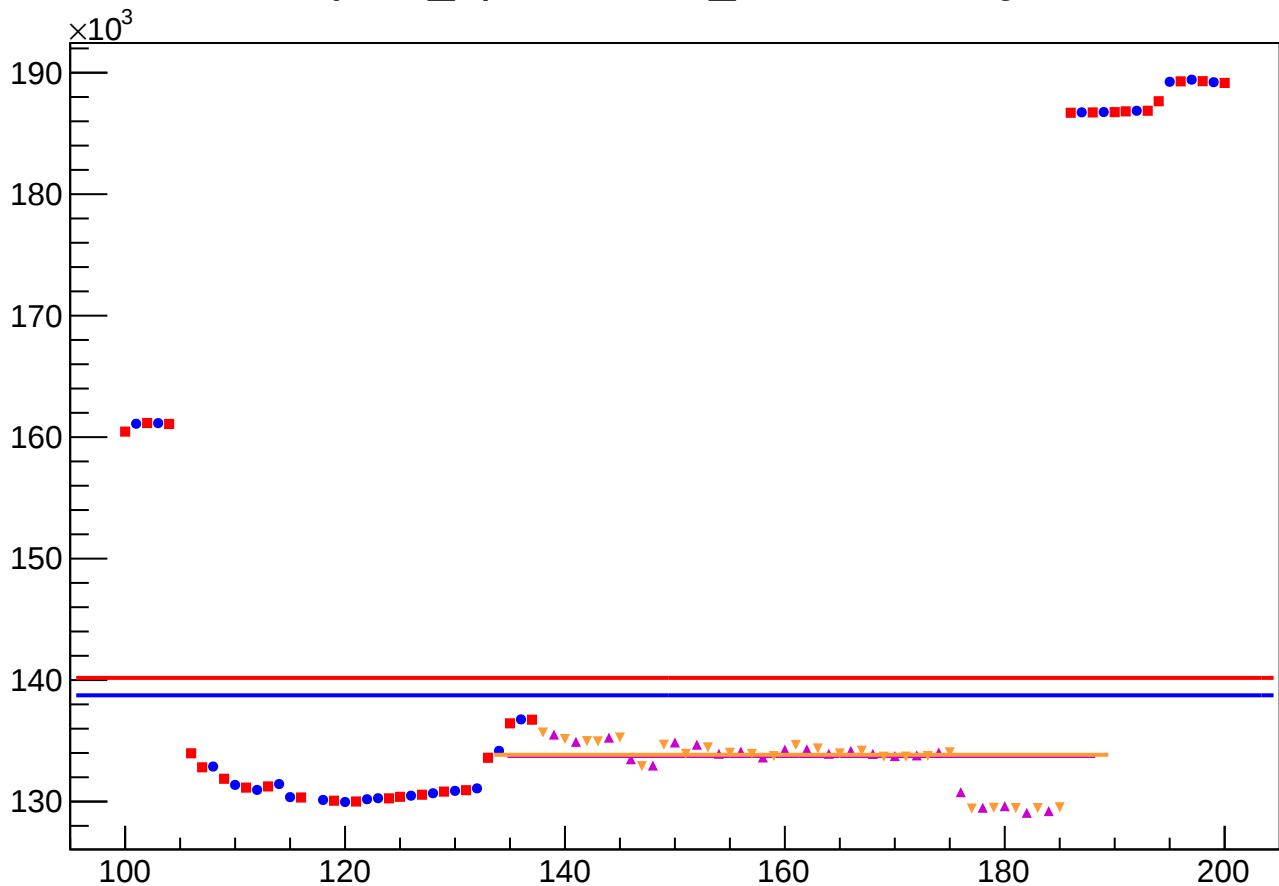
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 174.239 $\pm$ 0.024 χ^2 /NDF: 5606590.1/47

All: 173.453 $\pm$ 0.017 χ^2 /NDF: 12335147.2/98

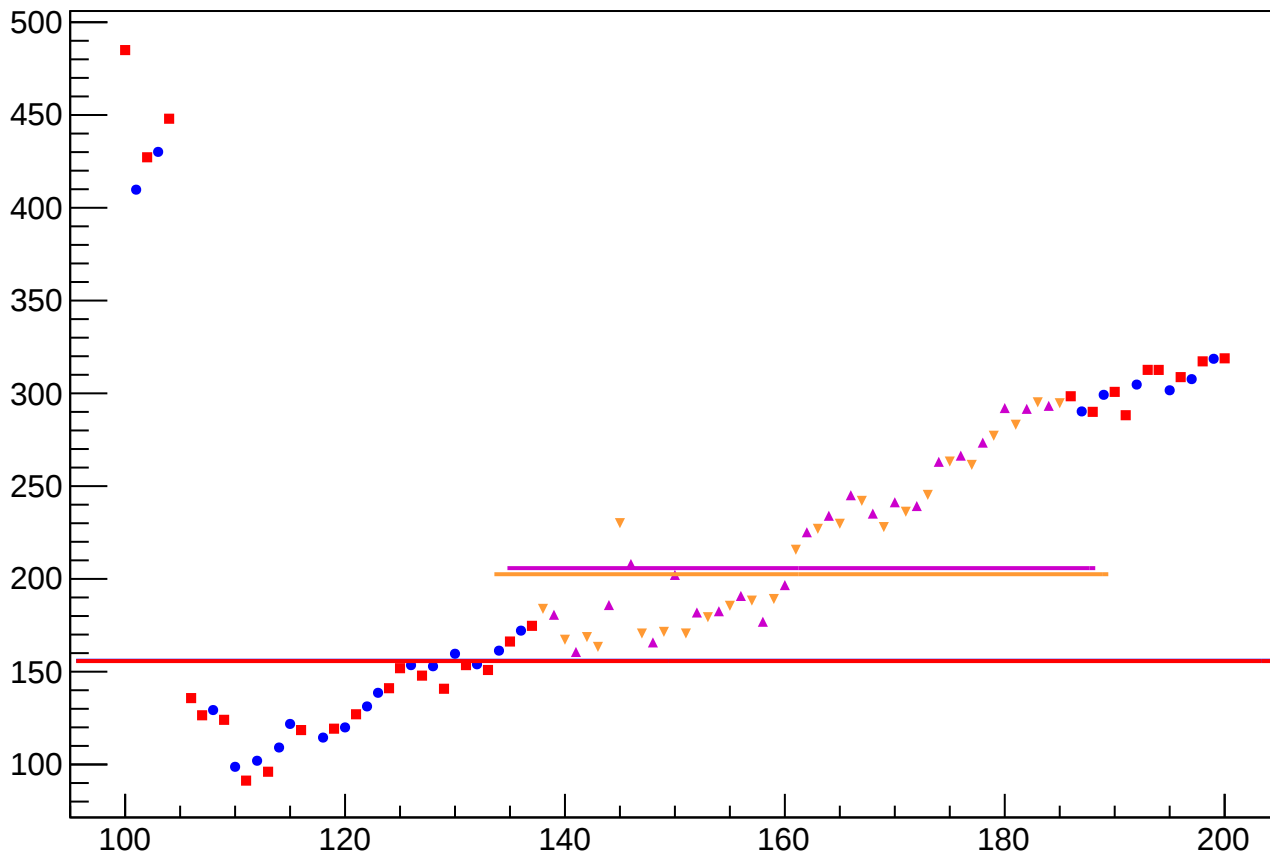
- sign 172.700 $\pm$ 0.024 χ^2 /NDF: 6726498.7/50

yield_bpm2i02WS_mean vs Slug



Right In: 138746.774 $\pm$ 0.053 χ^2 /NDF: 123545369628.0/22
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 140181.168 $\pm$ 0.049 χ^2 /NDF: 170668556852.3/27
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

yield_bpm2i02WS_rms vs Slug



Right In: 155.904 $\pm$ 0.038 χ^2 /NDF: 3591632.8/22

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 155.715 $\pm$ 0.034 χ^2 /NDF: 4820273.8/27

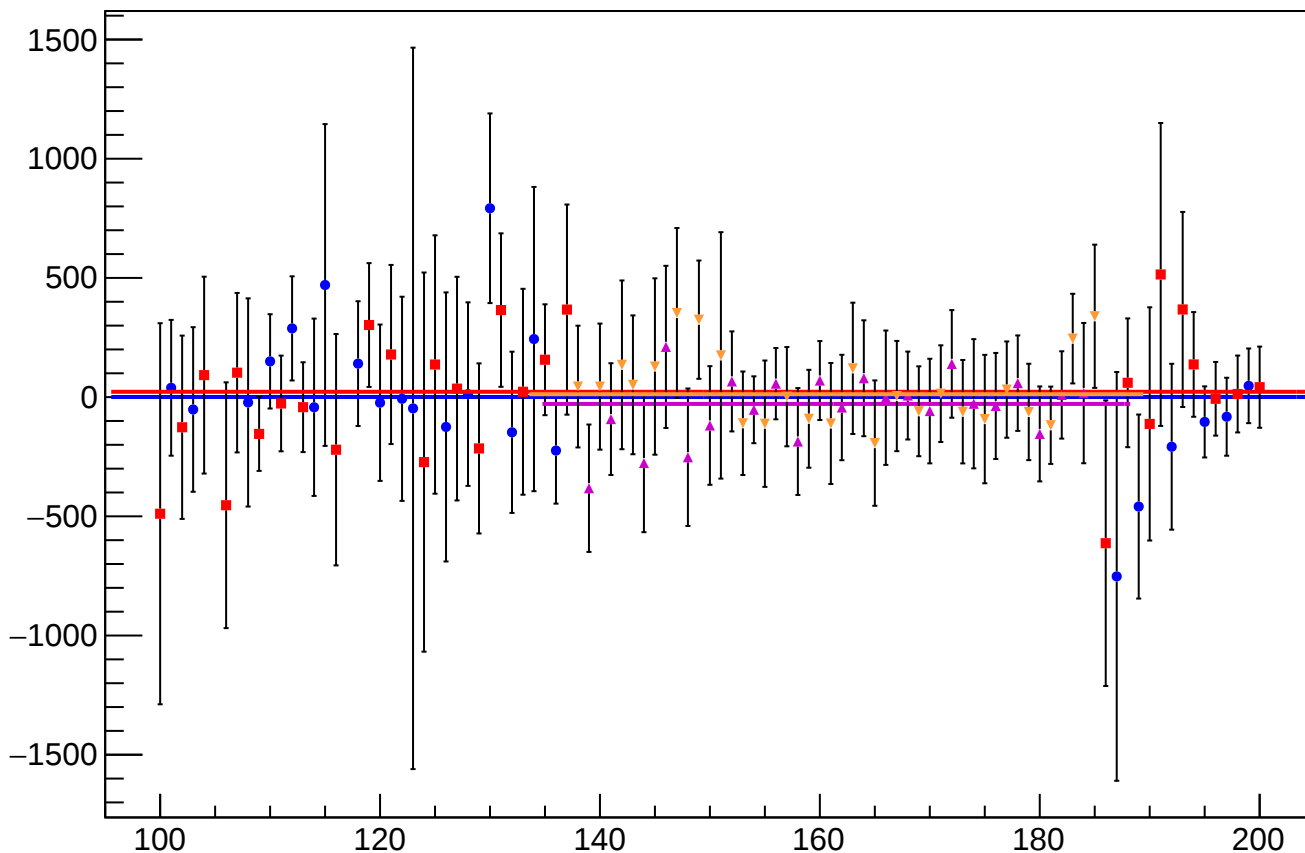
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 181.478 $\pm$ 0.025 χ^2 /NDF: 5647729.3/47

All: 180.608 $\pm$ 0.018 χ^2 /NDF: 12586936.9/98

- sign 179.771 $\pm$ 0.025 χ^2 /NDF: 6936877.2/50

asym_bcm_an_ds_mean vs Slug



Right In: 0.515 ± 57.856 χ^2/NDF : 11.9/22

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 22.409 ± 52.106 χ^2/NDF : 10.1/27

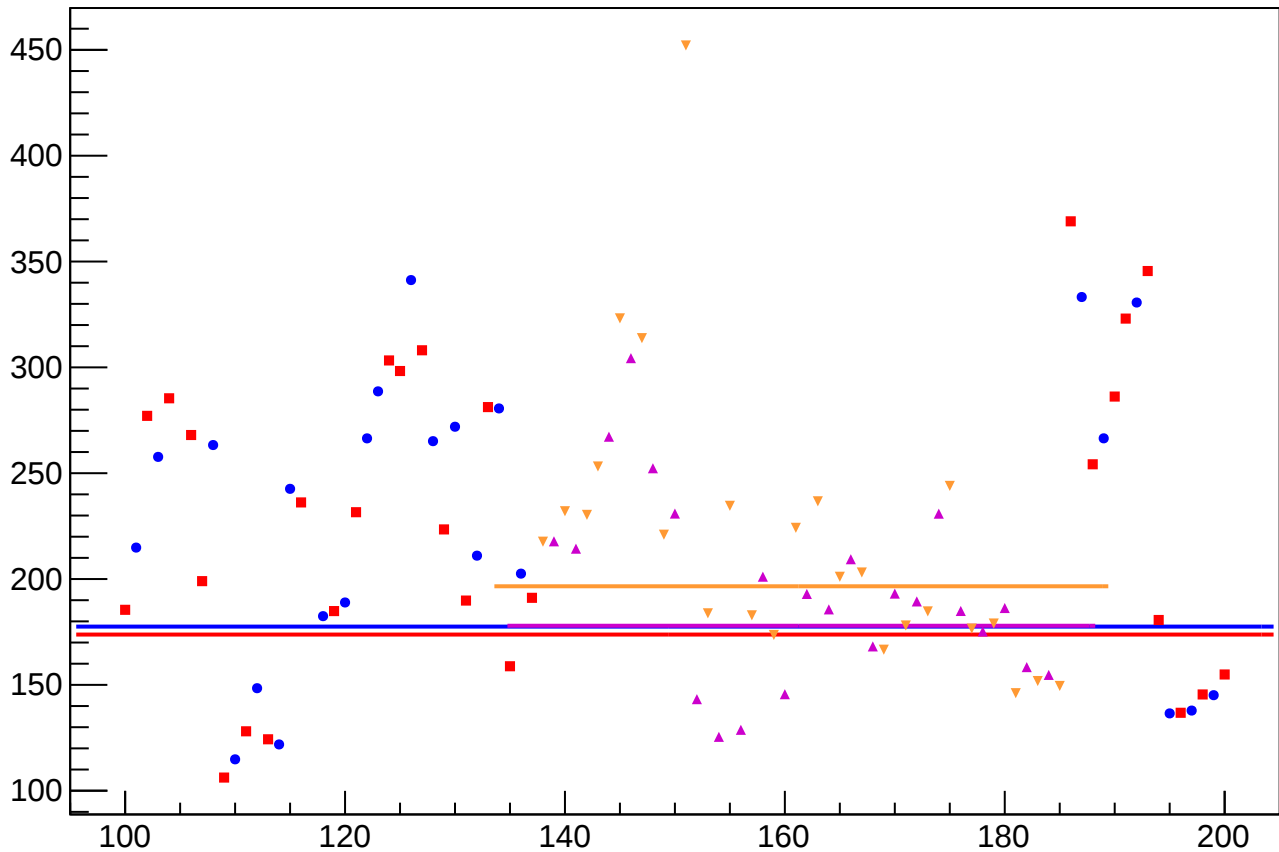
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign 7.480 ± 36.726 χ^2/NDF : 20.5/47

All: -0.278 ± 24.919 χ^2/NDF : 37.9/98

- sign -6.896 ± 33.922 χ^2/NDF : 17.3/50

asym_bcm_an_ds_rms vs Slug



Right In: 177.533 $\pm$ 0.041 χ^2 /NDF: 2015342.1/22

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 173.770 $\pm$ 0.037 χ^2 /NDF: 2736360.5/27

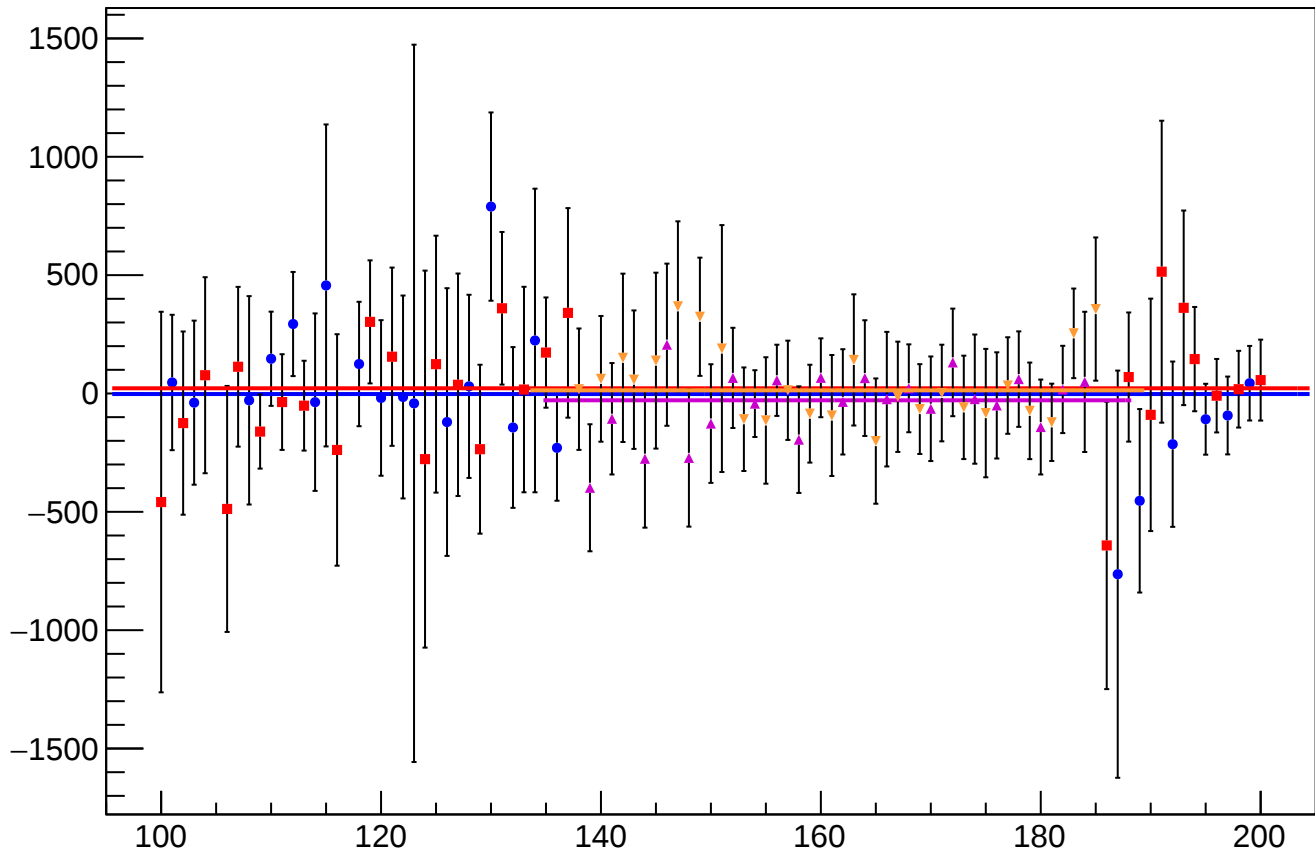
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 188.902 $\pm$ 0.026 χ^2 /NDF: 3923432.2/47

All: 182.031 $\pm$ 0.018 χ^2 /NDF: 8402669.6/98

- sign 176.169 $\pm$ 0.024 χ^2 /NDF: 4349495.6/50

asym_bcm_an_ds3_mean vs Slug



Right In: -2.376 ± 58.136 χ^2/NDF : 11.9/22

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 21.950 ± 52.374 χ^2/NDF : 10.4/27

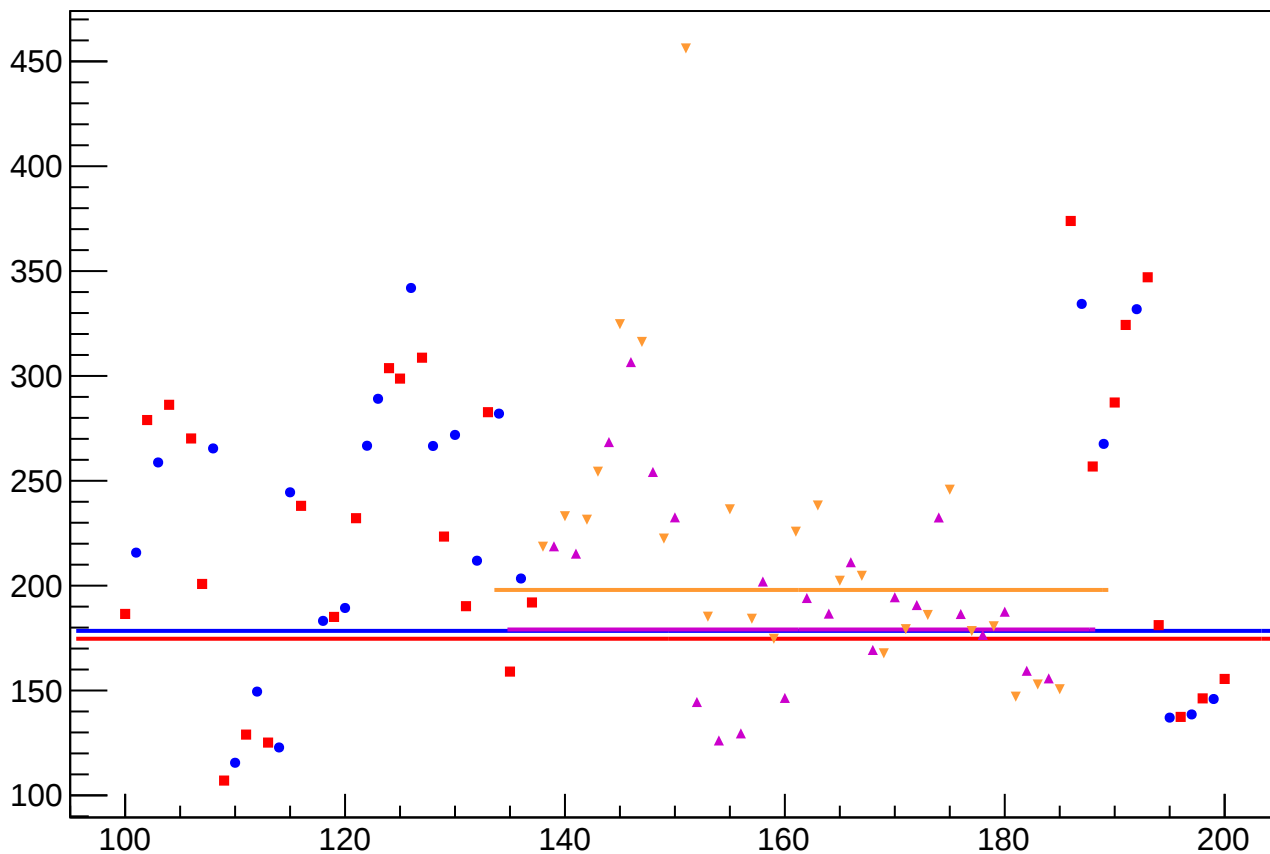
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign 7.024 ± 36.951 χ^2/NDF : 20.9/47

All: -0.686 ± 25.069 χ^2/NDF : 38.8/98

- sign -7.260 ± 34.123 χ^2/NDF : 17.8/50

asym_bcm_an_ds3_rms vs Slug



Right In: 178.435 $\pm$ 0.041 χ^2 /NDF: 2005887.1/22

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 174.680 $\pm$ 0.037 χ^2 /NDF: 2730897.3/27

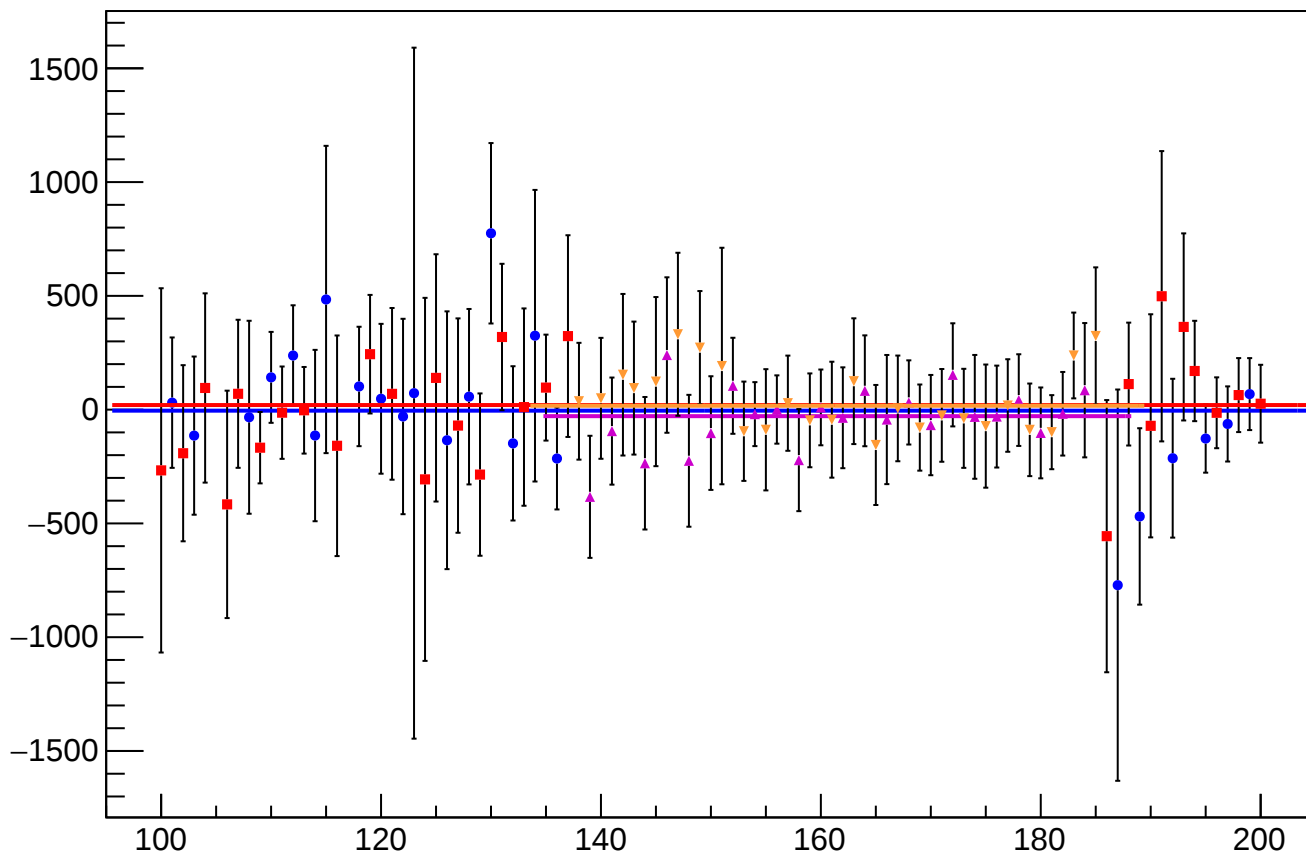
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 190.068 $\pm$ 0.026 χ^2 /NDF: 3914765.2/47

All: 183.133 $\pm$ 0.018 χ^2 /NDF: 8389481.8/98

- sign 177.218 $\pm$ 0.024 χ^2 /NDF: 4344169.2/50

asym_bcm_an_us_mean vs Slug



Right In: -4.480 ± 58.208 χ^2/NDF : 11.5/22

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 20.143 ± 52.357 χ^2/NDF : 9.0/27

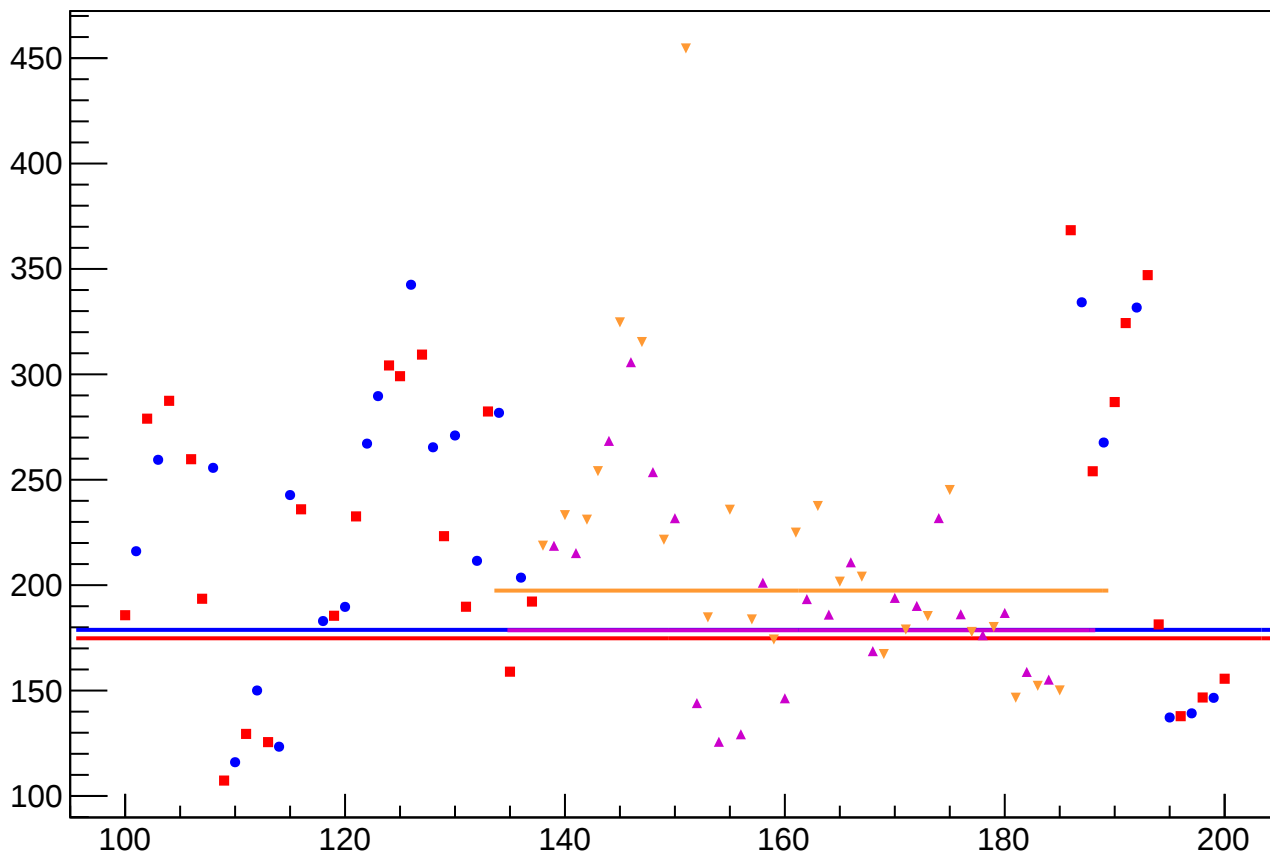
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign 8.447 ± 36.912 χ^2/NDF : 18.7/47

All: -0.433 ± 25.034 χ^2/NDF : 34.4/98

- sign -7.997 ± 34.065 χ^2/NDF : 15.6/50

asym_bcm_an_us_rms vs Slug



Right In: 178.799 $\pm$ 0.041 χ^2 /NDF: 1975196.1/22

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF: 1780261.9/24

Right Out: 174.787 $\pm$ 0.037 χ^2 /NDF: 2687228.5/27

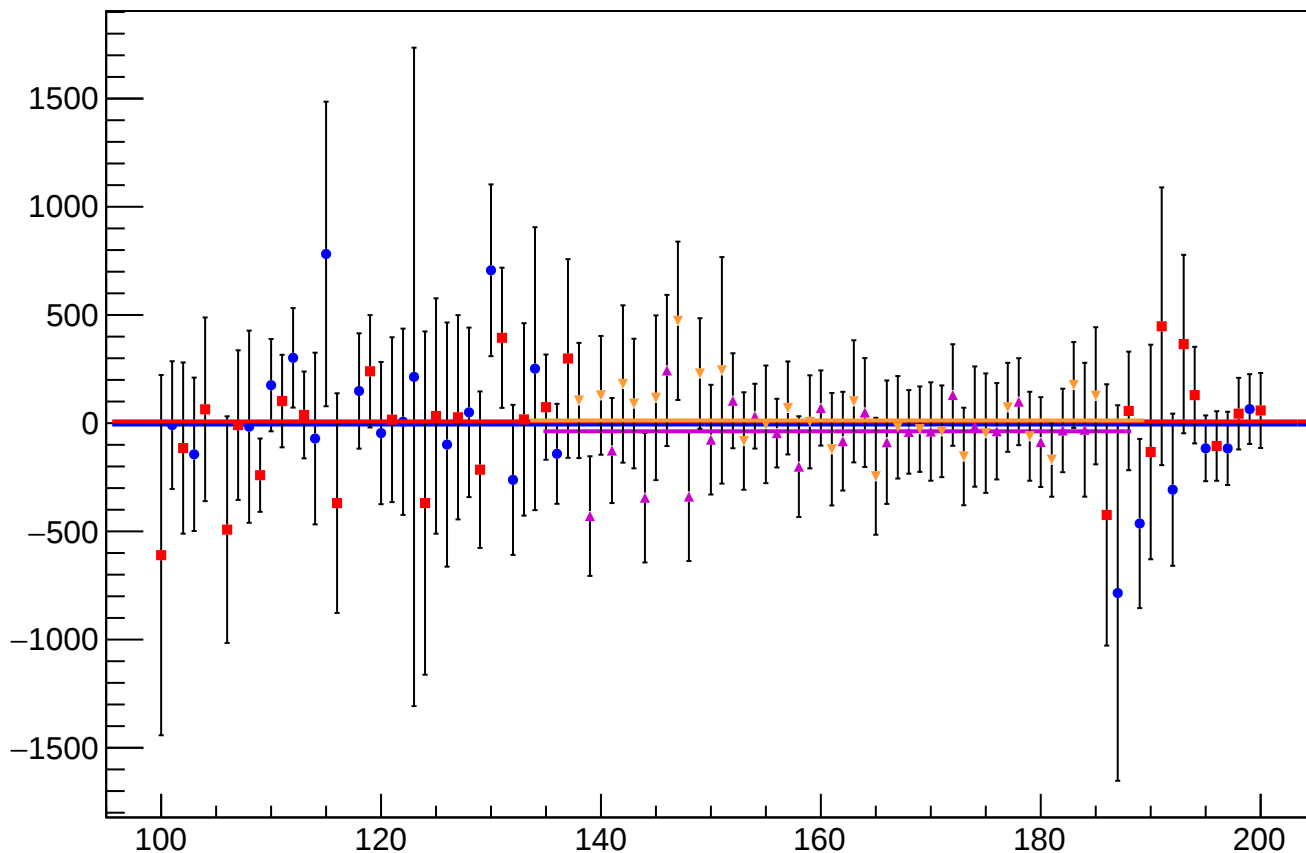
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF: 1608998.1/22

+ sign 189.933 $\pm$ 0.026 χ^2 /NDF: 3877855.6/47

All: 182.941 $\pm$ 0.018 χ^2 /NDF: 8313066.0/98

- sign 176.987 $\pm$ 0.024 χ^2 /NDF: 4302347.0/50

asym_bcm_dg_us_mean vs Slug



Right In: -6.135 ± 59.661 χ^2/NDF : 12.7/22

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 8.201 ± 53.986 χ^2/NDF : 10.6/27

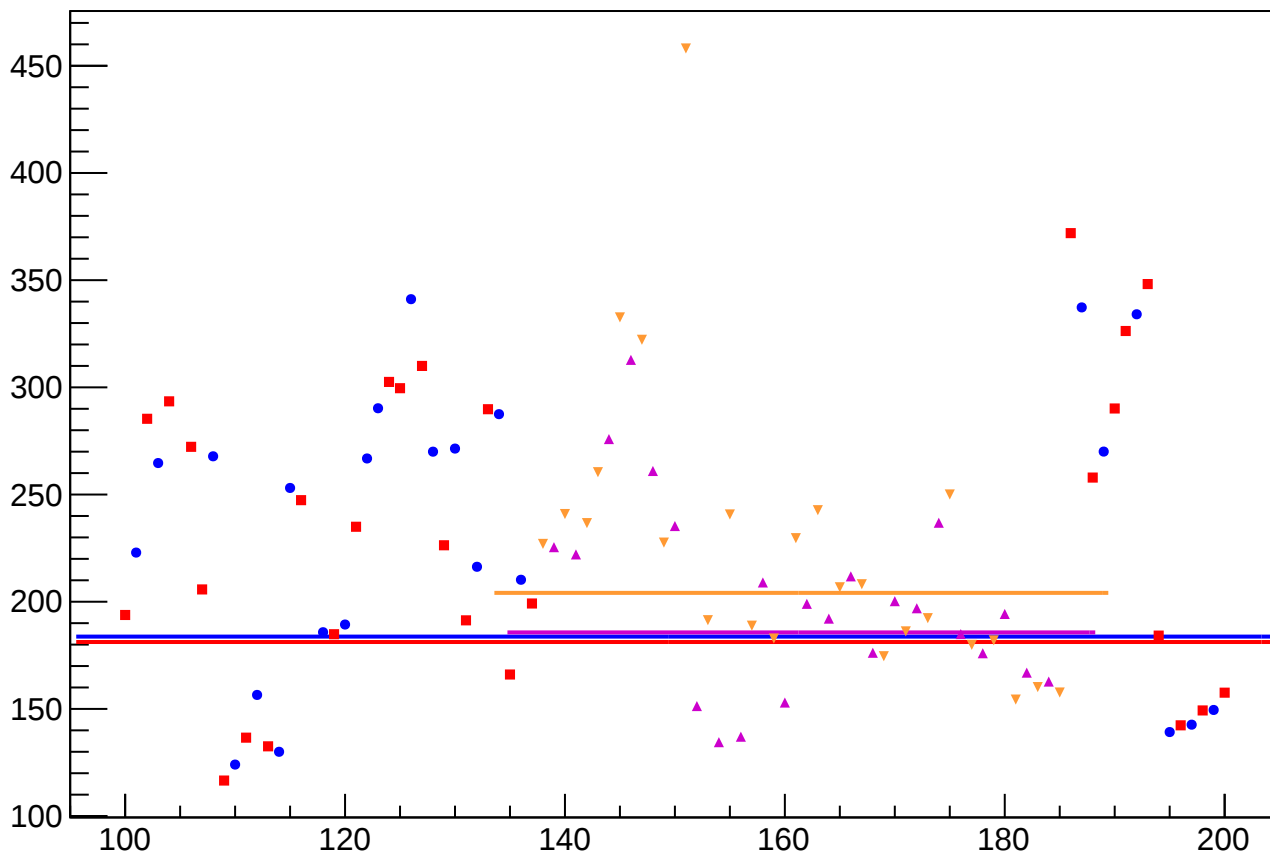
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign 5.028 ± 37.977 χ^2/NDF : 20.3/47

All: -7.364 ± 25.825 χ^2/NDF : 39.1/98

- sign -18.023 ± 35.223 χ^2/NDF : 18.6/50

asym_bcm_dg_us_rms vs Slug



Right In: 183.736 $\pm$ 0.042 χ^2 /NDF: 1887496.8/22

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF: 1672287.6/24

Right Out: 181.209 $\pm$ 0.038 χ^2 /NDF: 2485610.4/27

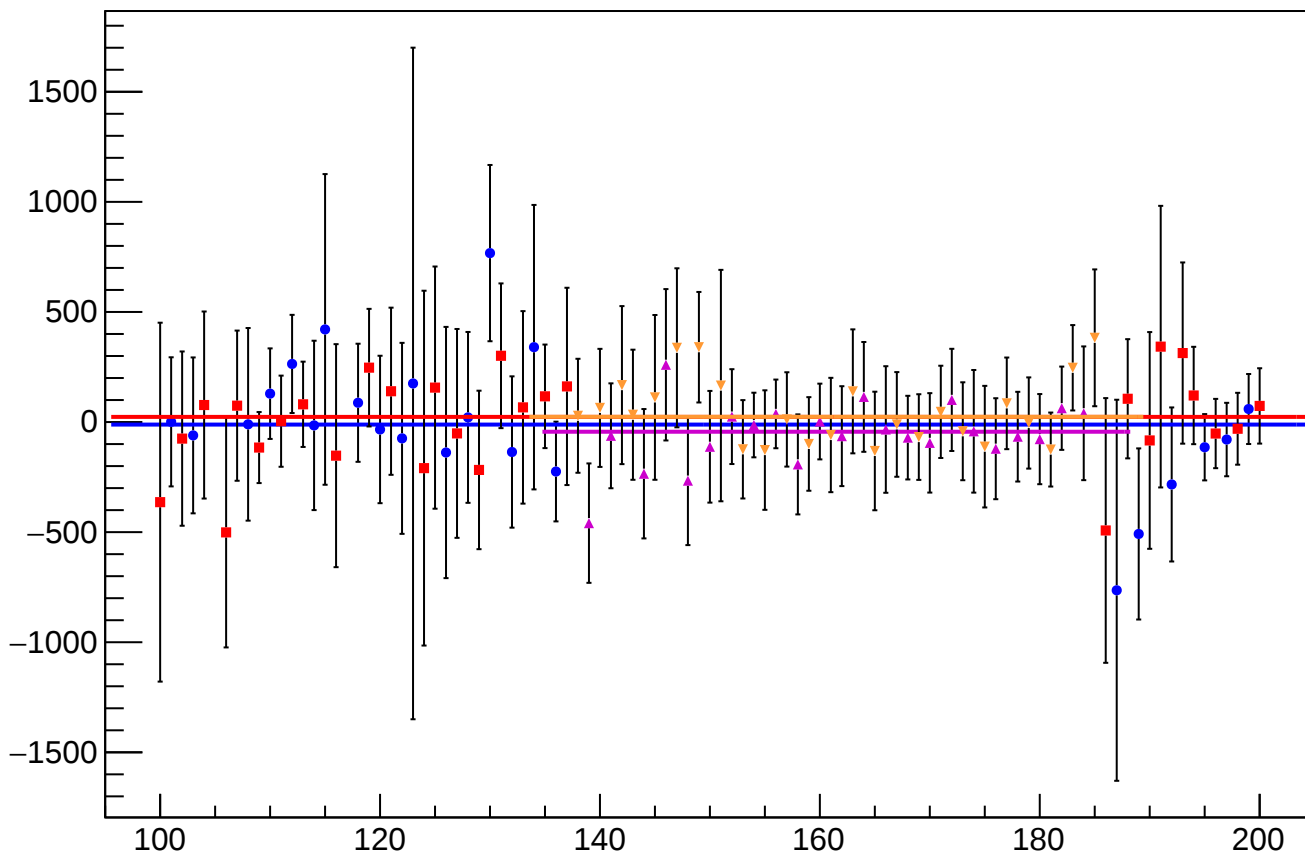
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF: 1447767.0/22

+ sign 195.867 $\pm$ 0.027 χ^2 /NDF: 3698816.0/47

All: 189.372 $\pm$ 0.018 χ^2 /NDF: 7748948.1/98

- sign 183.785 $\pm$ 0.025 χ^2 /NDF: 3941302.7/50

asym_bcm_dg_ds_mean vs Slug



Right In: -11.476 ± 58.918 χ^2/NDF : 11.5/22

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 23.432 ± 53.076 χ^2/NDF : 6.9/27

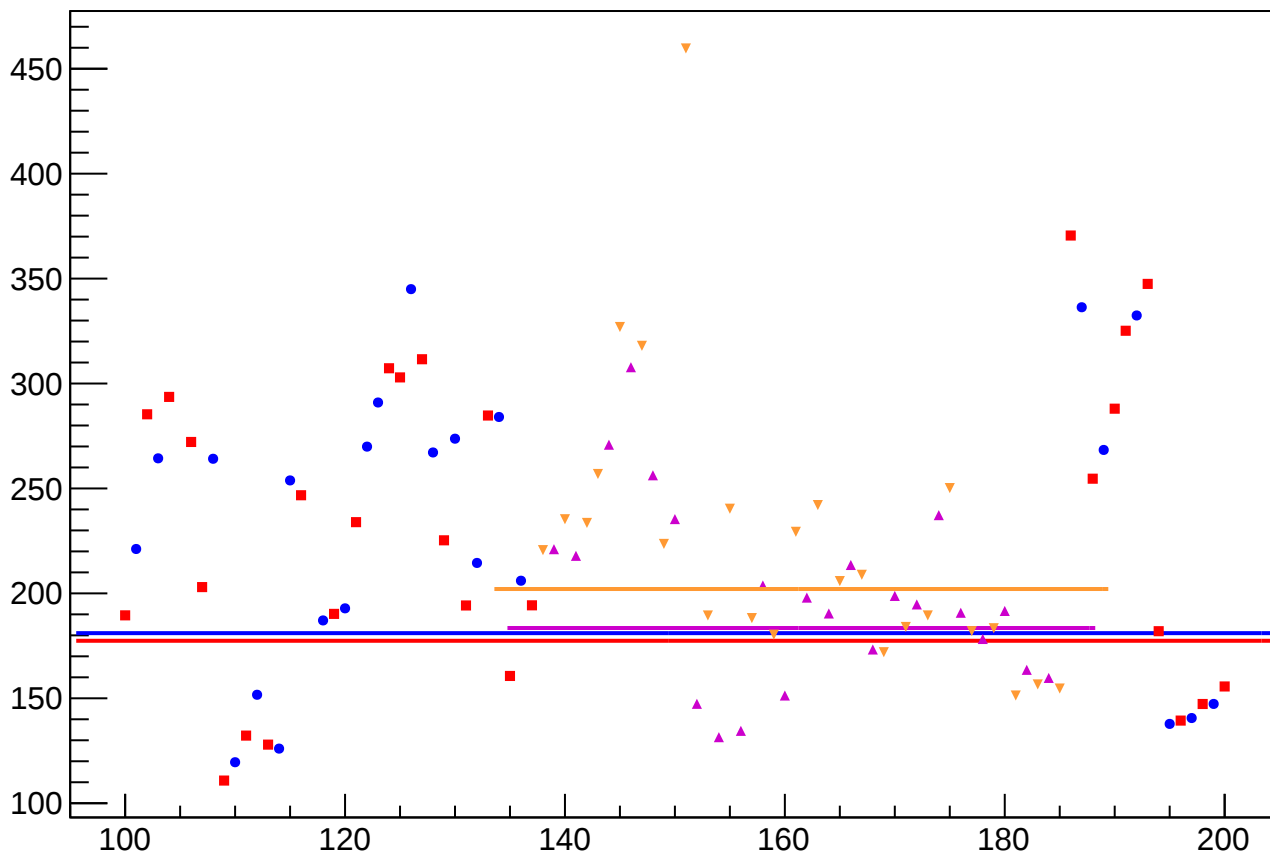
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign 9.478 ± 37.575 χ^2/NDF : 20.2/47

All: -3.756 ± 25.513 χ^2/NDF : 34.8/98

- sign -15.077 ± 34.753 χ^2/NDF : 14.4/50

asym_bcm_dg_ds_rms vs Slug



Right In: 181.049 $\pm$ 0.042 χ^2 /NDF: 1971754.9/22

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 177.415 $\pm$ 0.038 χ^2 /NDF: 2656169.1/27

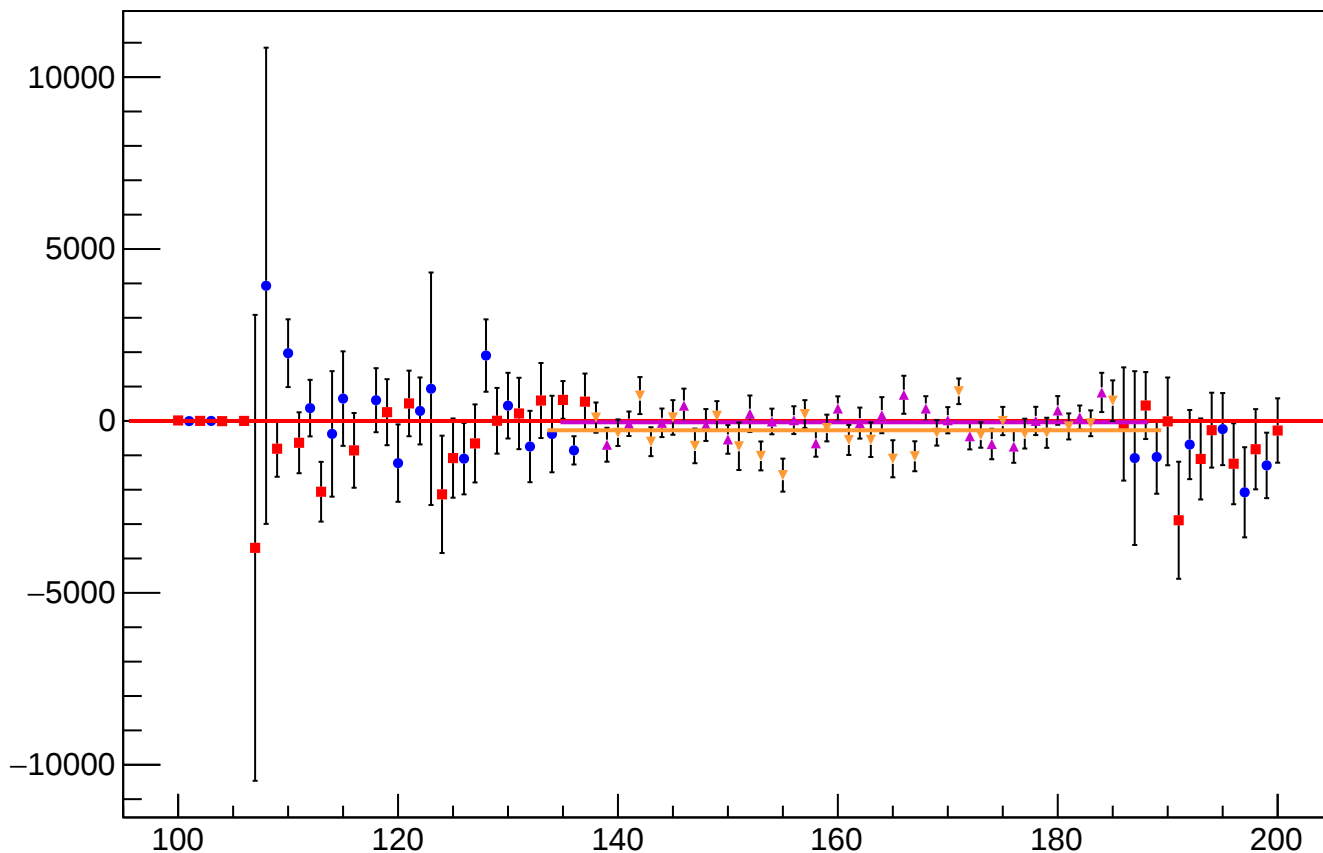
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 193.527 $\pm$ 0.027 χ^2 /NDF: 3815736.1/47

All: 186.716 $\pm$ 0.018 χ^2 /NDF: 8092210.7/98

- sign 180.890 $\pm$ 0.025 χ^2 /NDF: 4154561.2/50

asym_cav4bQ_mean vs Slug



Right In: -1.553 ± 2.251 χ^2/NDF : 23.4/22

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.741 ± 2.111 χ^2/NDF : 24.9/27

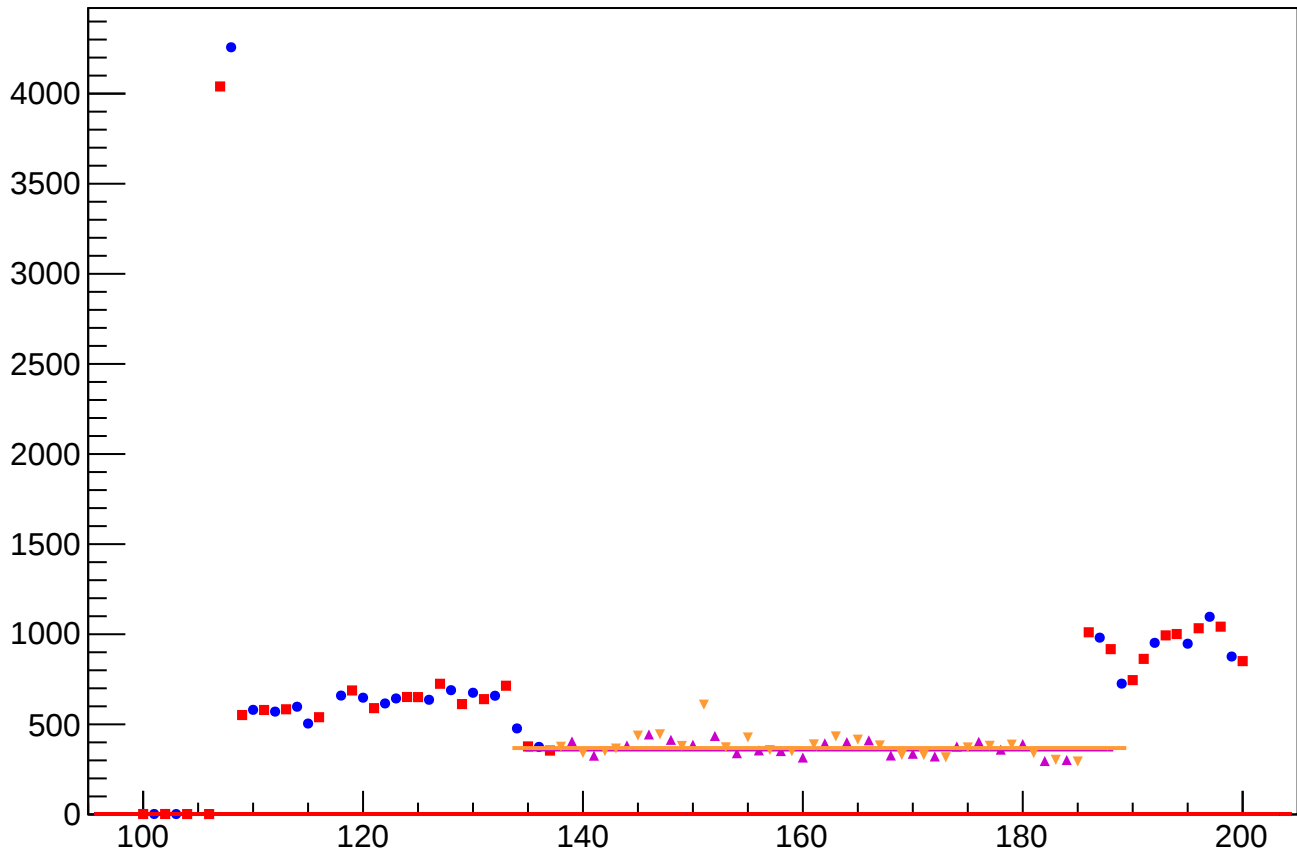
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.733 ± 2.251 χ^2/NDF : 71.1/47

All: -1.217 ± 1.540 χ^2/NDF : 116.5/98

- sign -0.763 ± 2.110 χ^2/NDF : 45.3/50

asym_cav4bQ_rms vs Slug



Right In: 2.478+/-0.002 χ^2/NDF : 18508271.8/22

Left Out: 368.397+/-0.061 χ^2/NDF : 622466.1/24

Right Out: 2.464+/-0.001 χ^2/NDF : 22665069.2/27

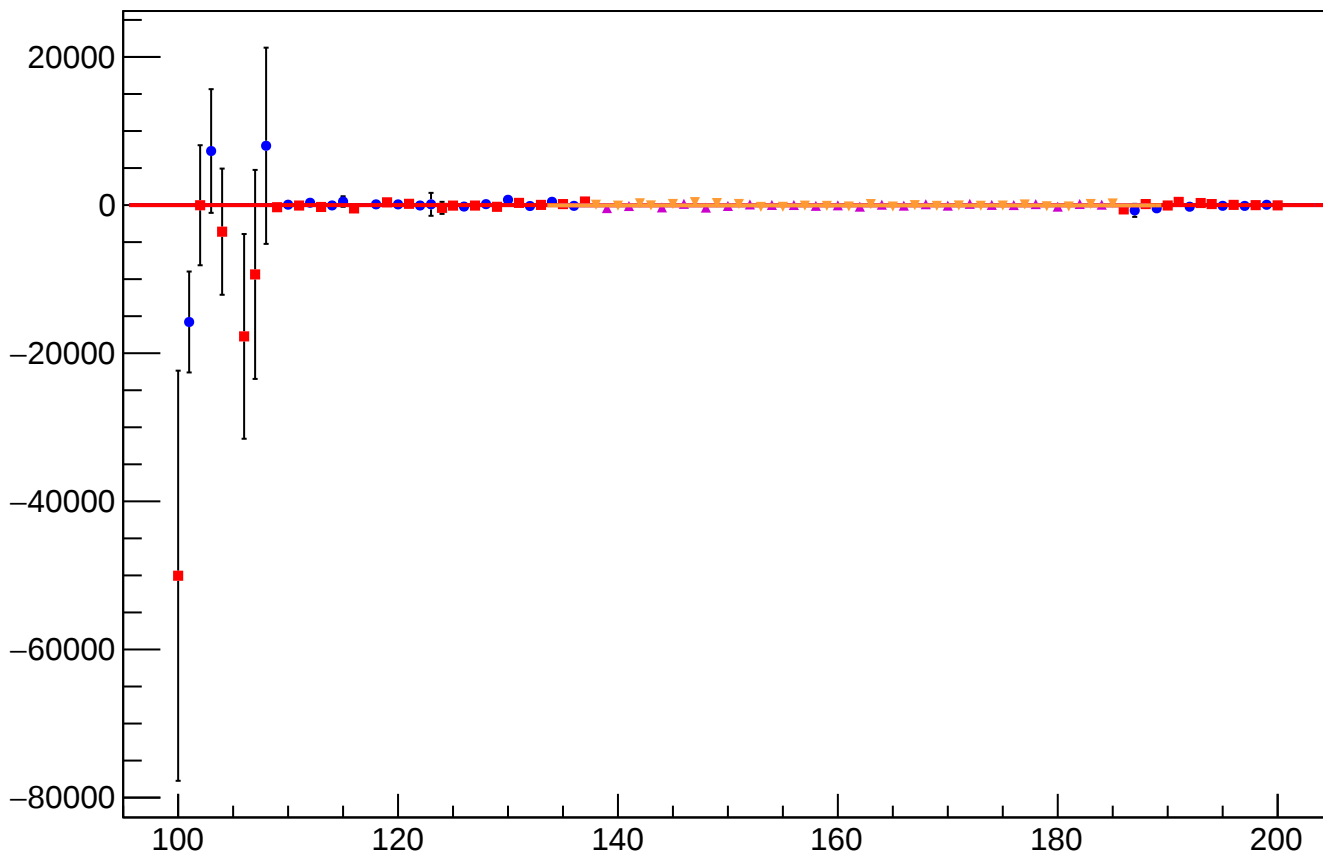
Left In: 360.408+/-0.062 χ^2/NDF : 417739.4/22

+ sign 2.723+/-0.002 χ^2/NDF : 54513994.7/47

All: 2.695+/-0.001 χ^2/NDF : 110842114.8/98

- sign 2.671+/-0.001 χ^2/NDF : 56327554.5/50

asym_cav4cQ_mean vs Slug



Right In: 5.327+/-65.194 χ^2 /NDF: 16.2/22

Left Out: -38.013+/-49.628 χ^2 /NDF: 9.3/24

Right Out: -3.005+/-59.831 χ^2 /NDF: 16.7/27

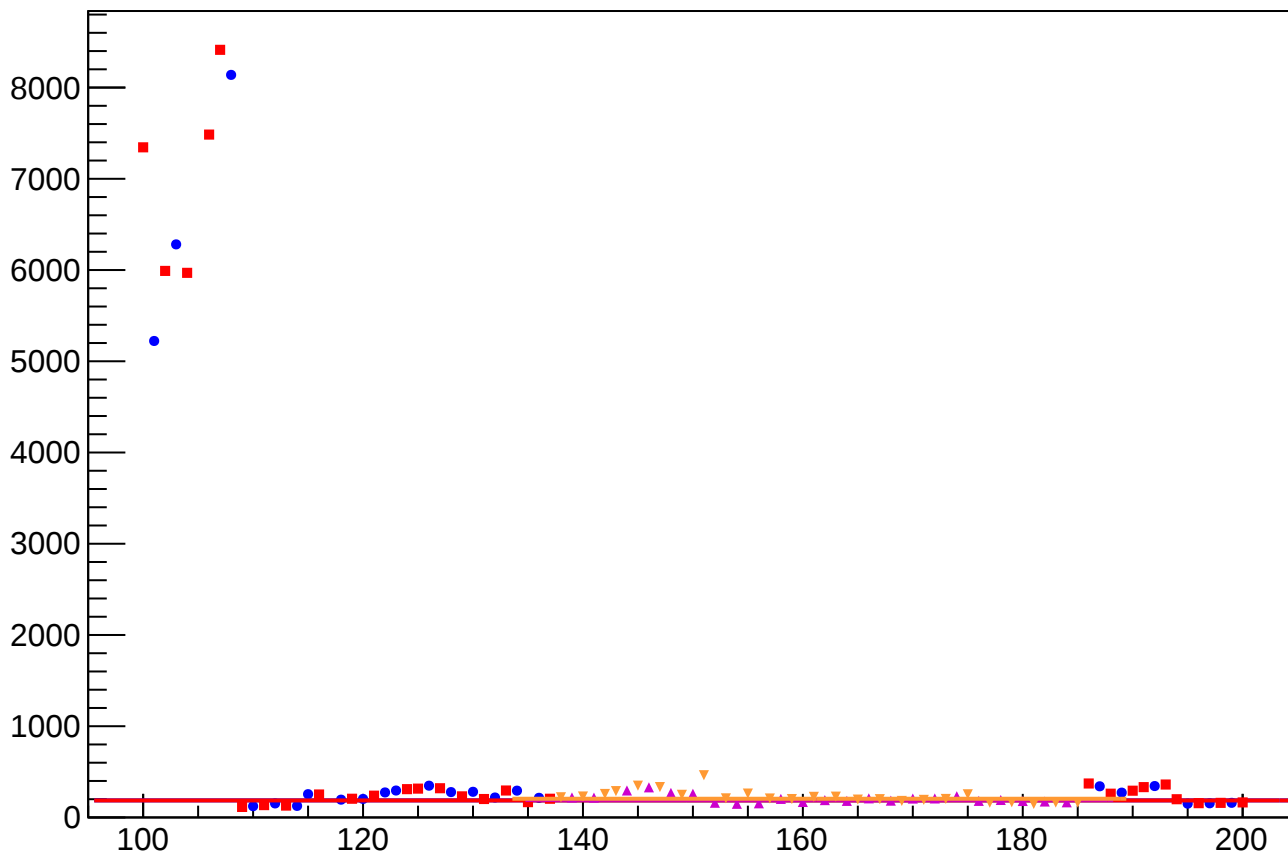
Left In: -28.205+/-48.167 χ^2 /NDF: 9.2/22

+ sign -22.112+/-39.488 χ^2 /NDF: 25.8/47

All: -20.106+/-27.200 χ^2 /NDF: 51.8/98

- sign -18.295+/-37.519 χ^2 /NDF: 26.0/50

asym_cav4cQ_rms vs Slug



Right In: 187.201 $\pm$ 0.046 χ^2 /NDF: 4455238.2/22

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 186.548 $\pm$ 0.042 χ^2 /NDF: 5321309.2/27

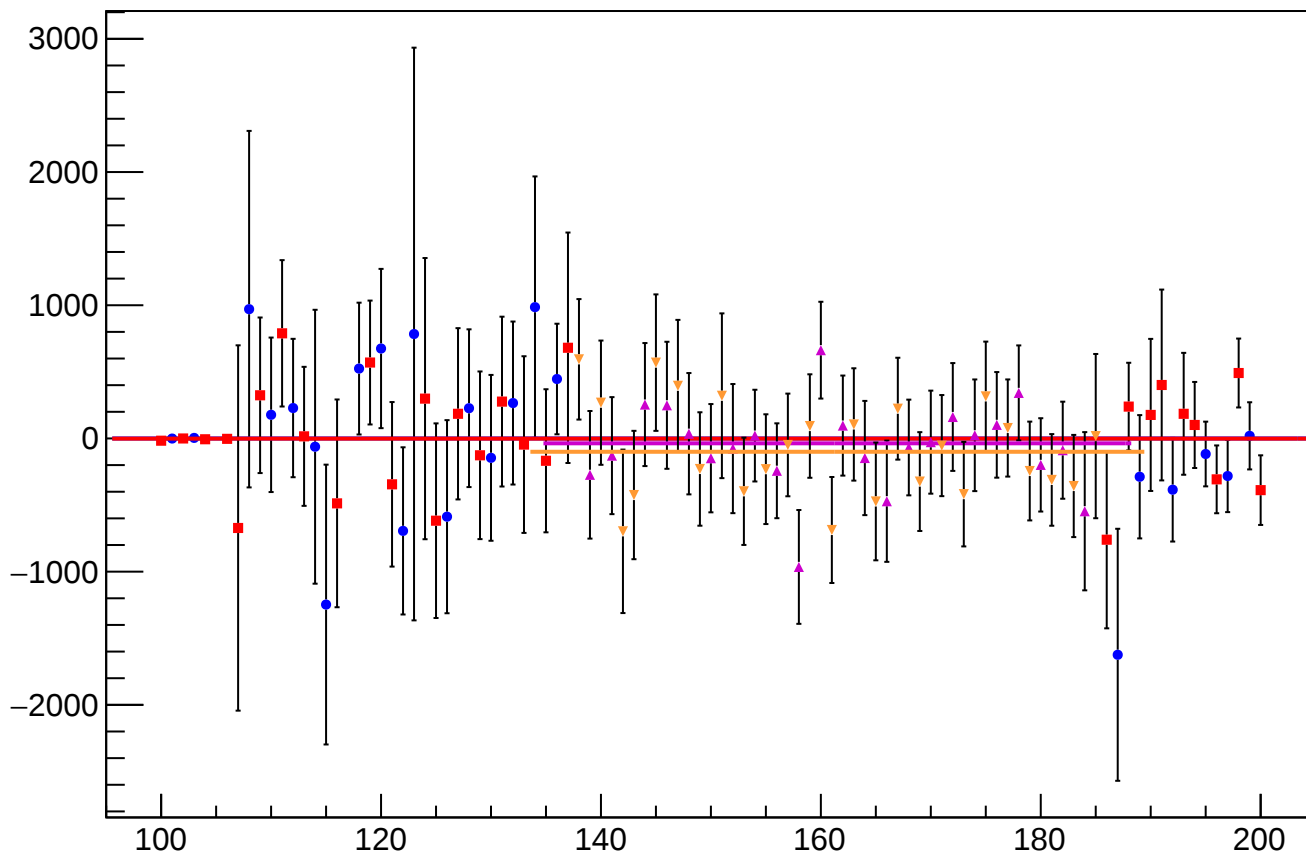
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 198.487 $\pm$ 0.028 χ^2 /NDF: 6505951.1/47

All: 194.399 $\pm$ 0.019 χ^2 /NDF: 13056155.1/98

- sign 190.708 $\pm$ 0.027 χ^2 /NDF: 6509417.6/50

asym_cav4dQ_mean vs Slug



Right In: -0.174 ± 1.736 χ^2/NDF : 15.7/22

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.321 ± 1.622 χ^2/NDF : 19.2/27

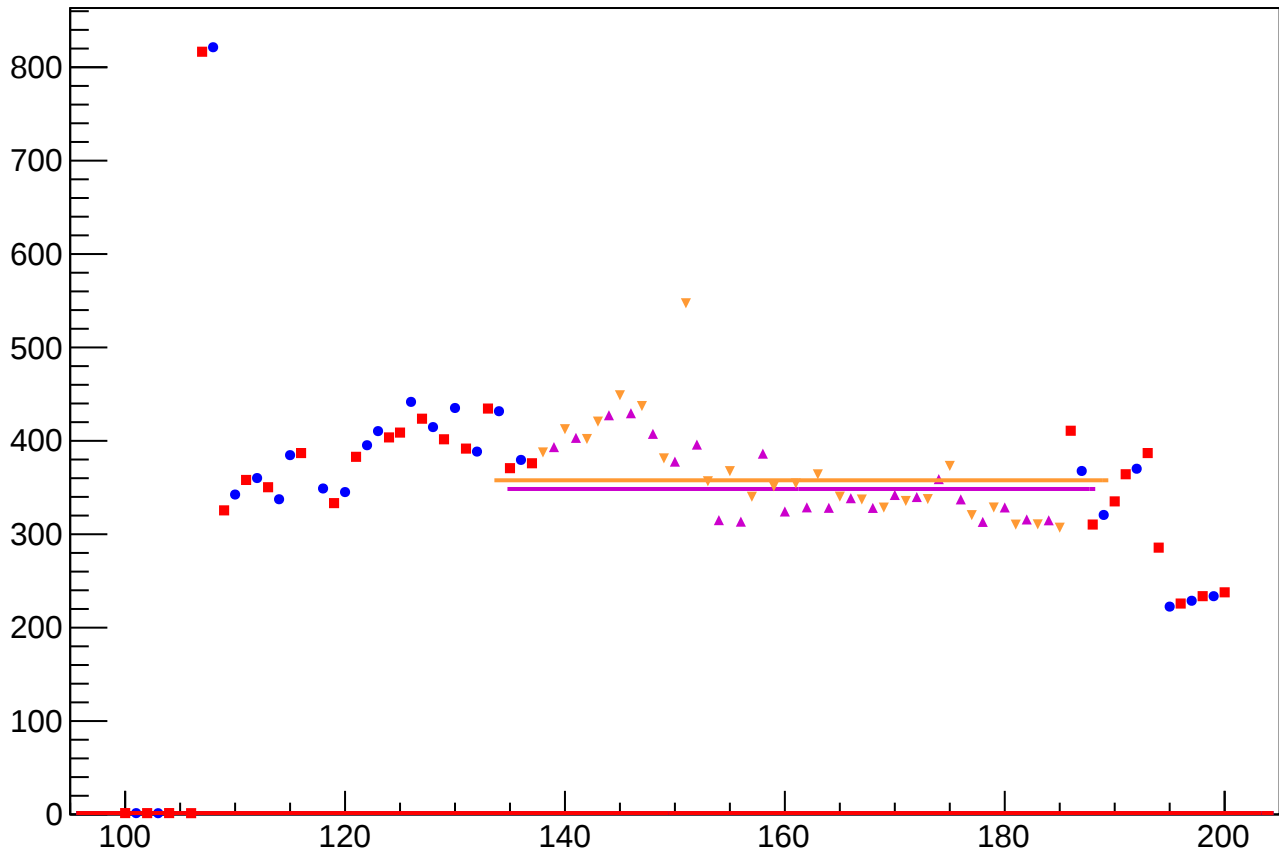
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.216 ± 1.736 χ^2/NDF : 32.8/47

All: -0.813 ± 1.185 χ^2/NDF : 65.9/98

- sign -1.334 ± 1.622 χ^2/NDF : 32.9/50

asym_cav4dQ_rms vs Slug



Right In: 1.497 ± 0.001 χ^2/NDF : 18721352.3/22

Left Out: 357.771 ± 0.060 χ^2/NDF : 547124.8/24

Right Out: 1.505 ± 0.001 χ^2/NDF : 22324765.2/27

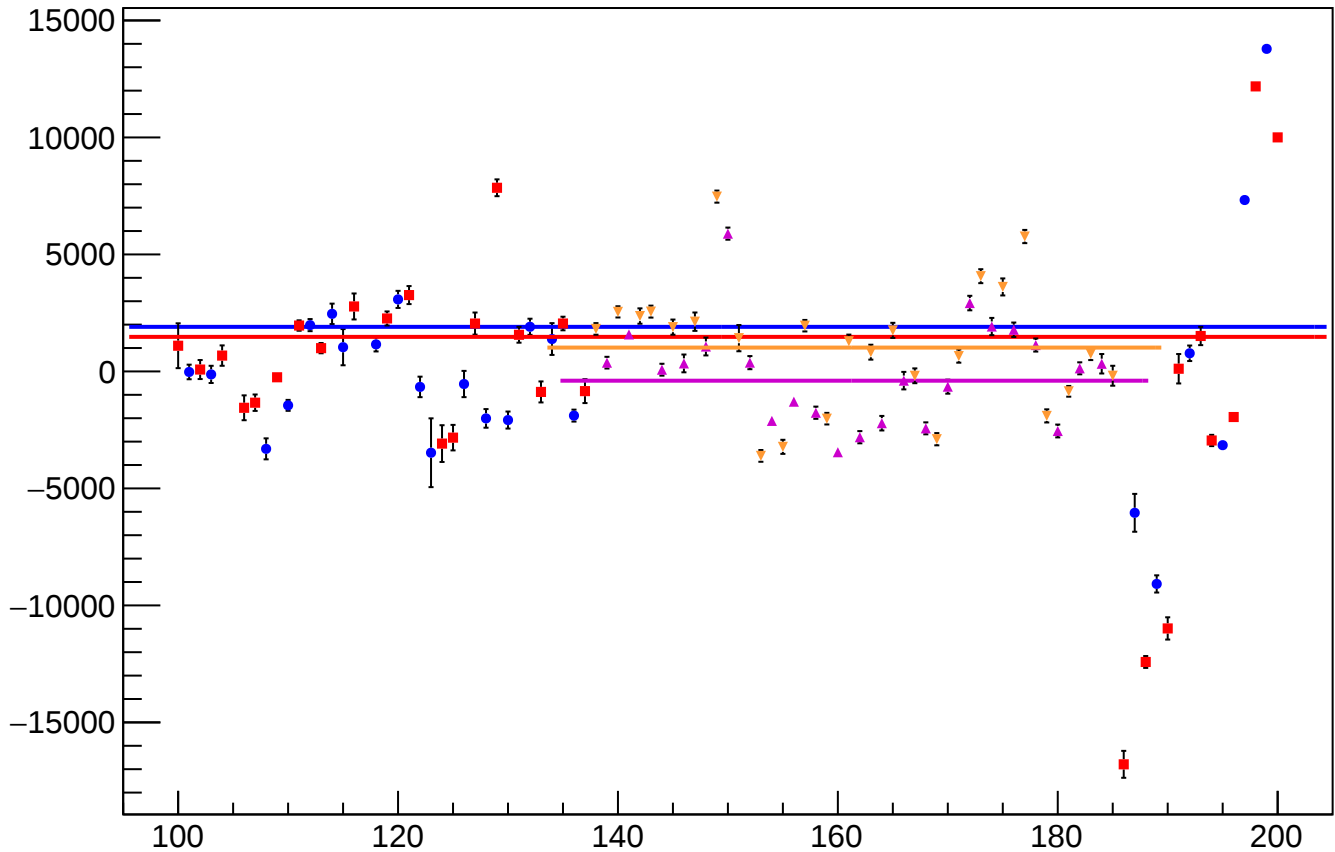
Left In: 348.464 ± 0.060 χ^2/NDF : 360425.7/22

+ sign 1.649 ± 0.001 χ^2/NDF : 55069425.0/47

All: 1.640 ± 0.001 χ^2/NDF : 111321844.3/98

- sign 1.632 ± 0.001 χ^2/NDF : 56252320.6/50

asym_bcm0l02_mean vs Slug



Right In: 1904.902 $\pm$ 64.790 χ^2 /NDF: 7963.3/22

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF: 2310.1/24

Right Out: 1476.508 $\pm$ 57.703 χ^2 /NDF: 11628.9/27

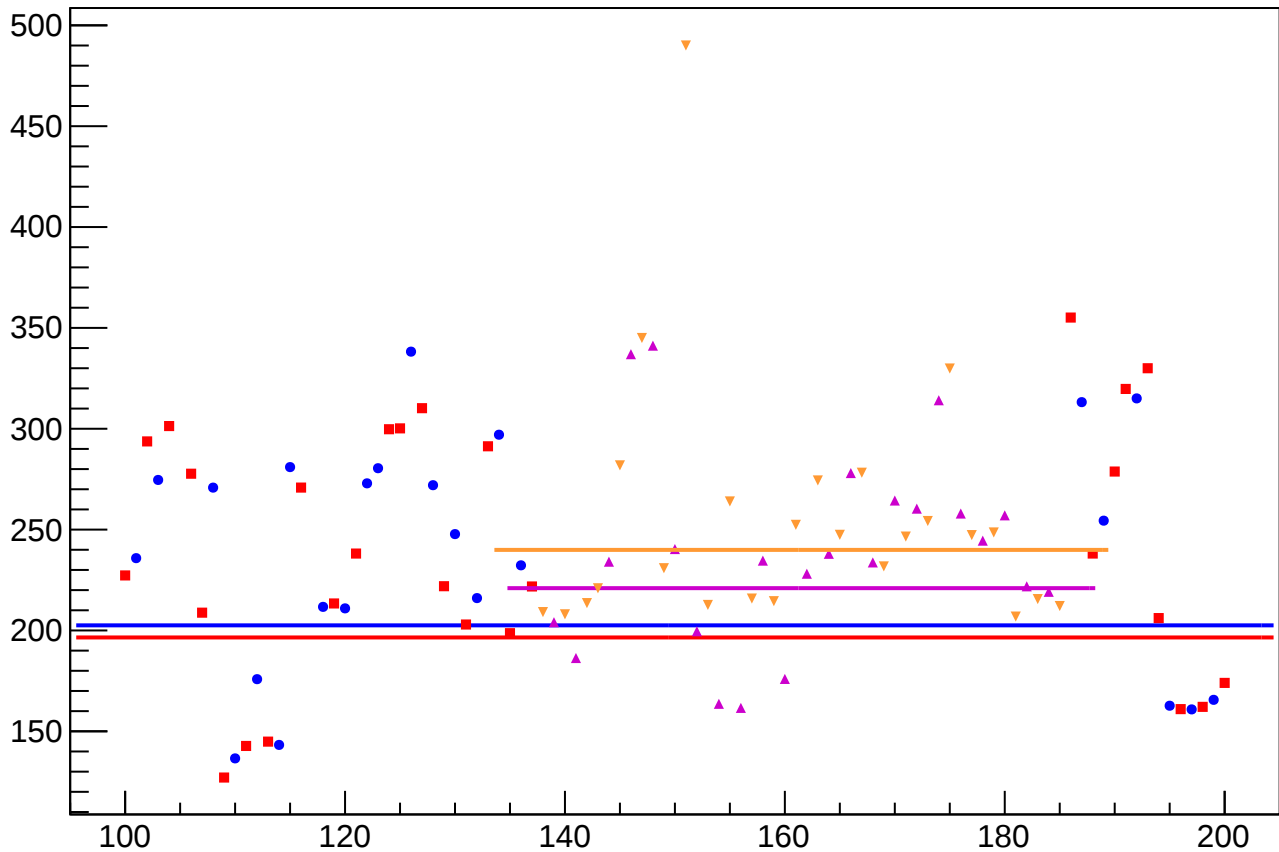
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF: 1581.0/22

+ sign 1408.566 $\pm$ 42.965 χ^2 /NDF: 10378.1/47

All: 918.278 $\pm$ 29.216 χ^2 /NDF: 24381.5/98

- sign 496.581 $\pm$ 39.846 χ^2 /NDF: 13761.1/50

asym_bcm0l02_rms vs Slug



Right In: 202.532 $\pm$ 0.046 χ^2 /NDF: 1310372.5/22

Left Out: 239.942 $\pm$ 0.041 χ^2 /NDF:1000770.0/24

Right Out: 196.529 $\pm$ 0.041 χ^2 /NDF: 1945456.4/27

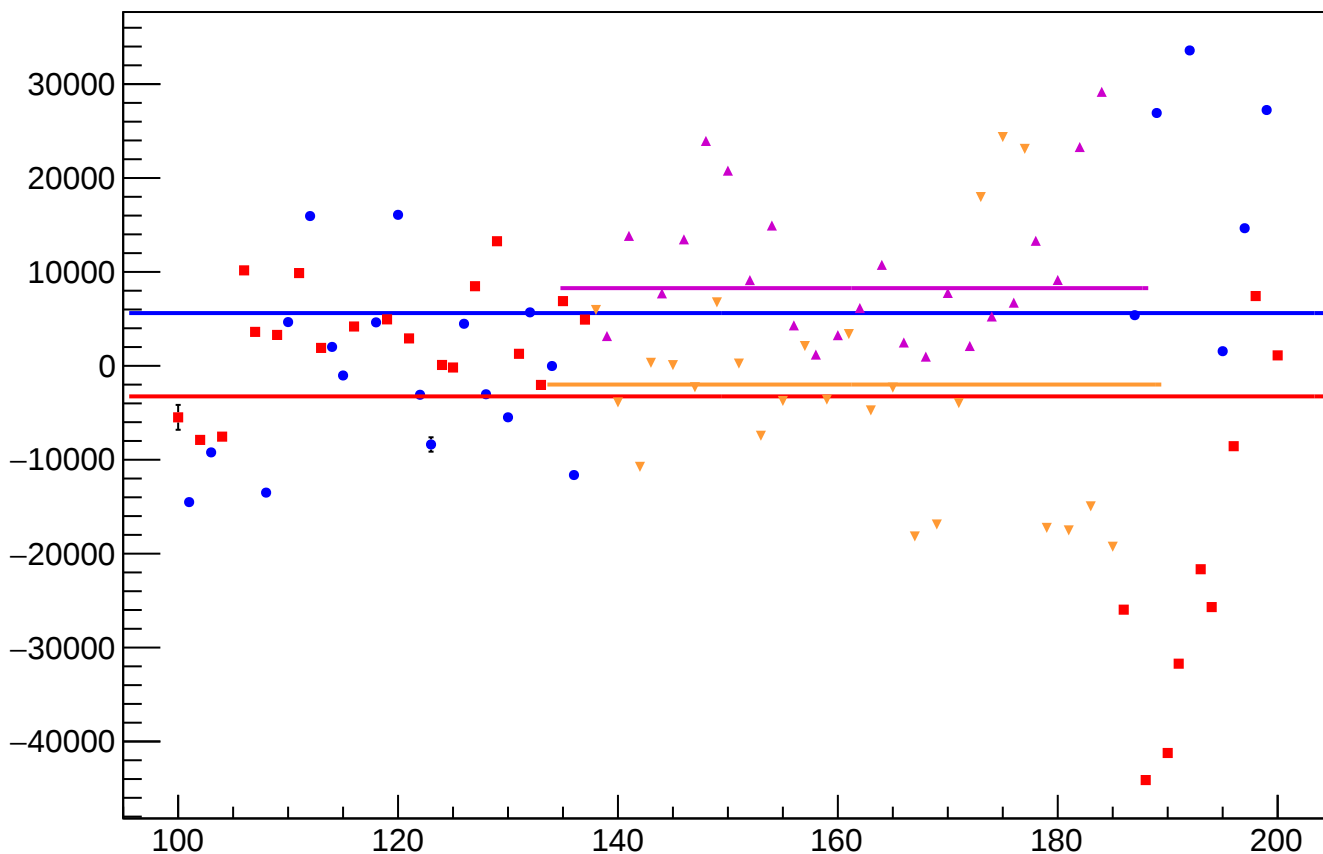
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 223.491 $\pm$ 0.030 χ^2 /NDF: 2684695.0/47

All: 215.870 $\pm$ 0.021 χ^2 /NDF: 6262588.4/98

- sign 209.316 $\pm$ 0.028 χ^2 /NDF: 3460871.3/50

asym_bpm0i02WS_mean vs Slug



Right In: 5617.589+/-46.600 χ^2/NDF : 84643.8/22

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -3253.539+/-42.610 χ^2/NDF : 130815.7/27

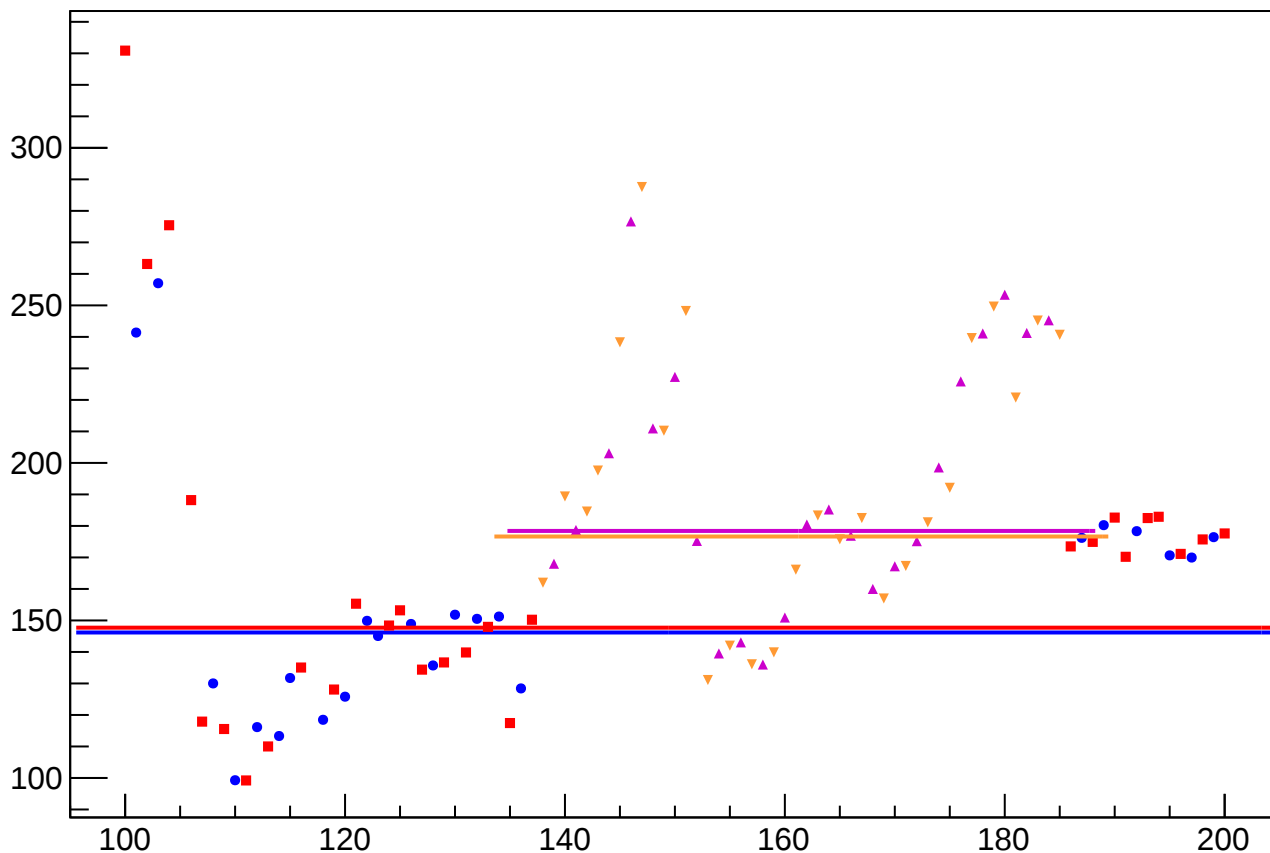
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 1456.999+/-31.372 χ^2/NDF : 162989.7/47

All: 1880.149+/-21.946 χ^2/NDF : 352198.3/98

- sign 2285.637+/-30.710 χ^2/NDF : 188852.3/50

asym_bpm0i02WS_rms vs Slug



Right In: 146.178+/-0.033 χ^2/NDF : 953080.5/22

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 147.708+/-0.030 χ^2/NDF : 1319388.3/27

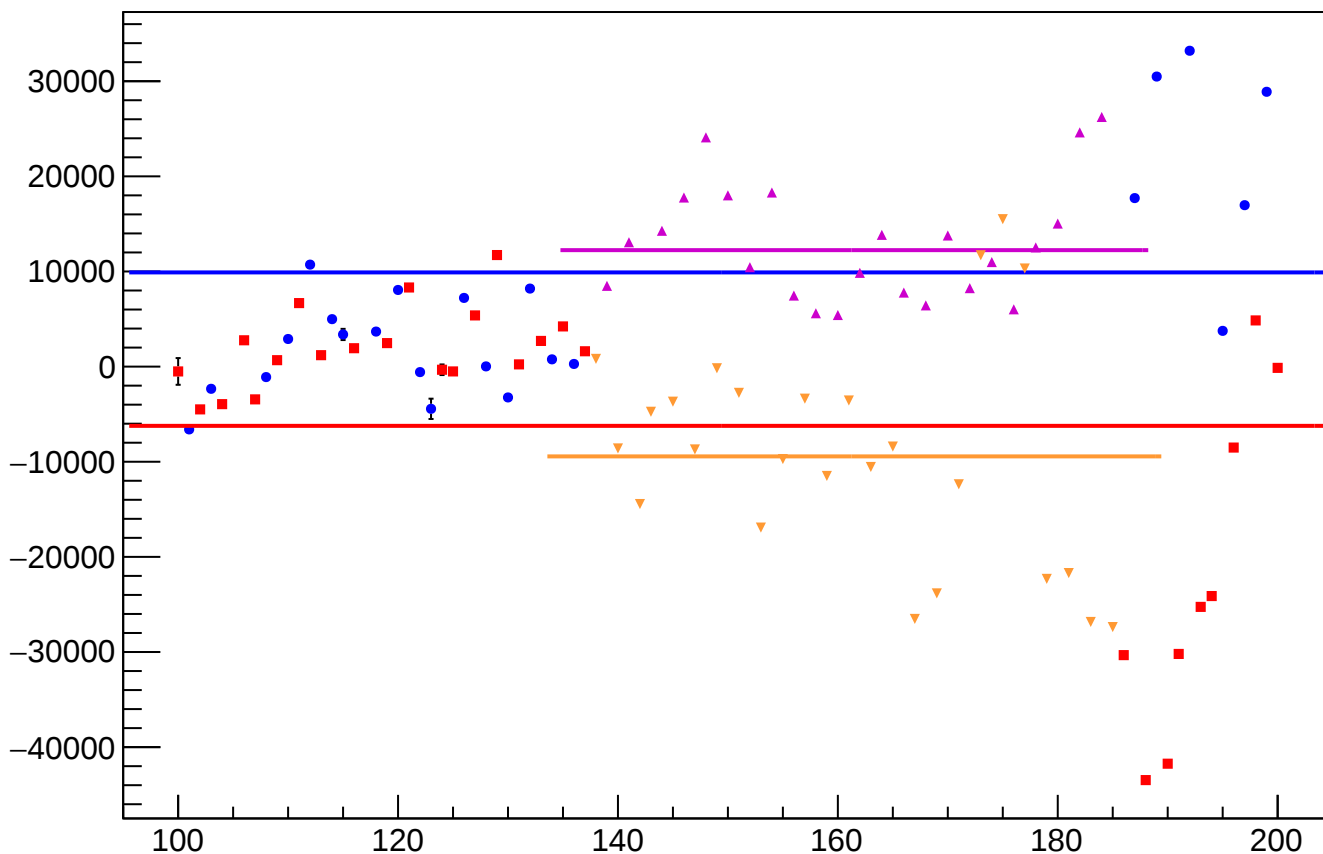
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 162.834+/-0.022 χ^2/NDF : 2971446.5/47

All: 162.645+/-0.016 χ^2/NDF : 6083787.9/98

- sign 162.463+/-0.022 χ^2/NDF : 3112198.9/50

asym_bpm0i02aWS_mean vs Slug



Right In: 9901.850+/-55.305 χ^2/NDF : 45562.5/22

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -6227.070+/-49.306 χ^2/NDF : 101471.9/27

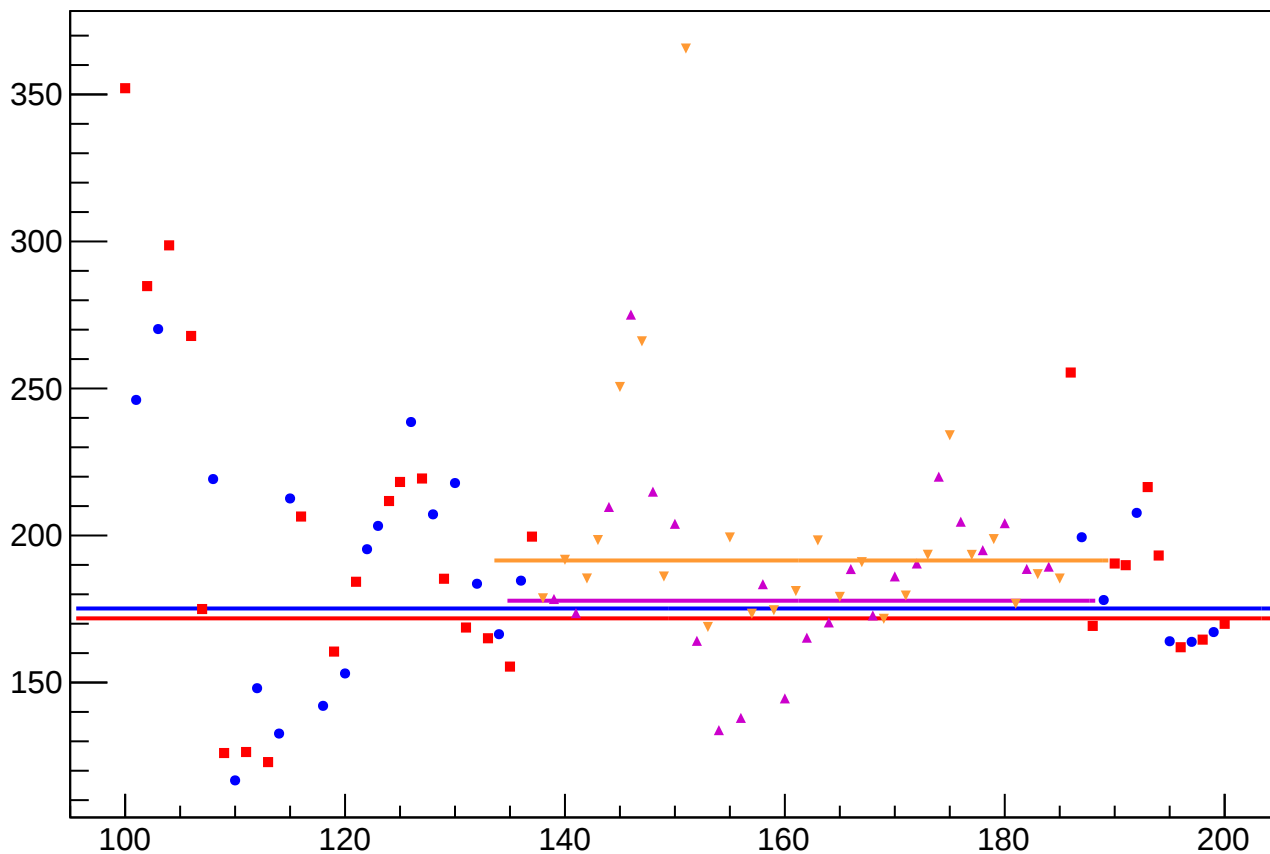
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -1624.244+/-35.153 χ^2/NDF : 180659.6/47

All: 1417.180+/-23.984 χ^2/NDF : 390950.0/90

- sign 4066.054+/-32.806 χ^2/NDF : 196285.1/50

asym_bpm0i02aWS_rms vs Slug



Right In: 175.178 $\pm$ 0.039 χ^2 /NDF: 755290.1/22

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 171.817 $\pm$ 0.035 χ^2 /NDF: 1123577.3/27

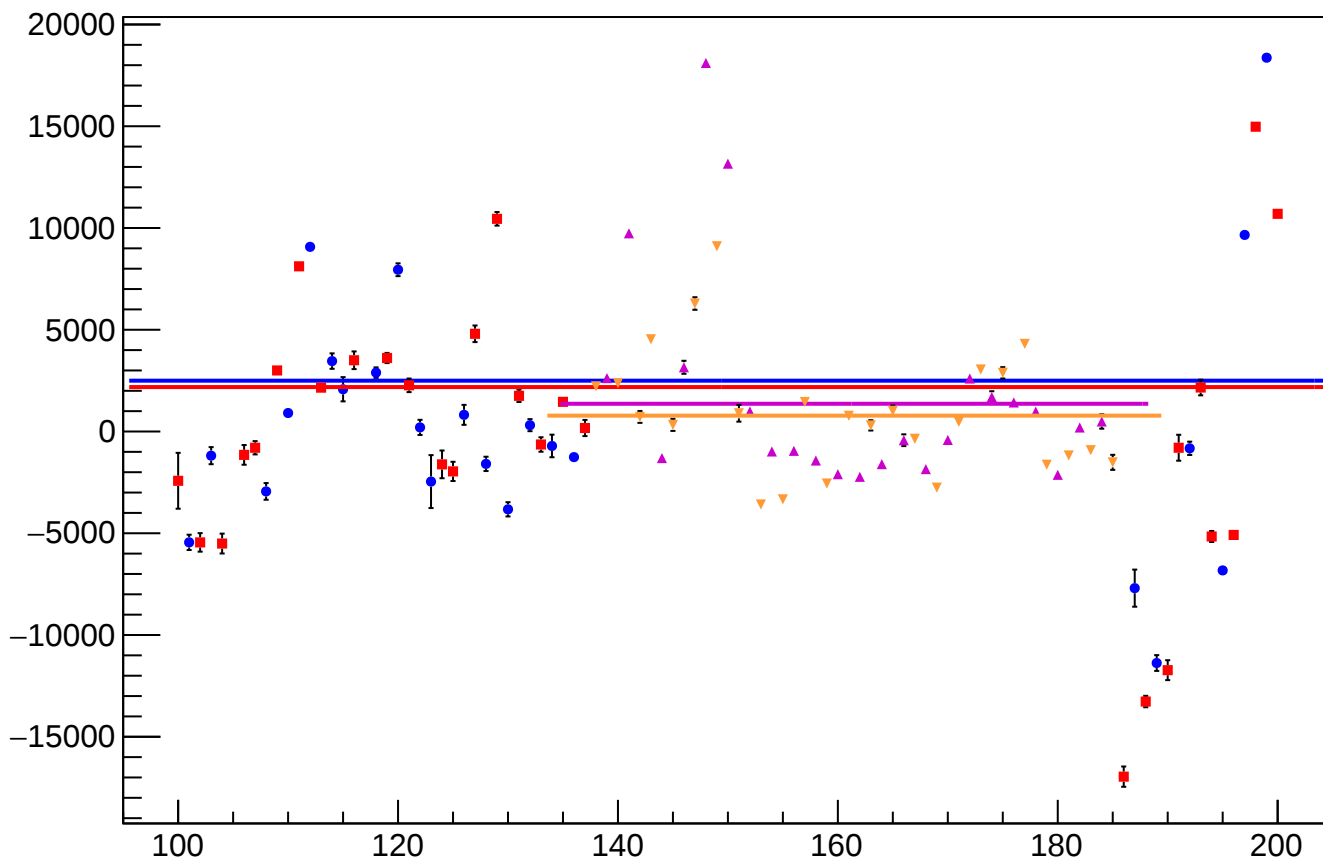
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 184.910 $\pm$ 0.025 χ^2 /NDF: 1586444.9/47

All: 179.700 $\pm$ 0.017 χ^2 /NDF: 3671228.7/98

- sign 175.163 $\pm$ 0.023 χ^2 /NDF: 2002602.9/50

asym_bpm0i05WS_mean vs Slug



Right In: 2497.583+/-62.240 χ^2/NDF : 14160.6/22

Left Out: 779.983+/-47.457 χ^2/NDF : 4260.8/24

Right Out: 2183.907+/-55.842 χ^2/NDF : 15648.2/27

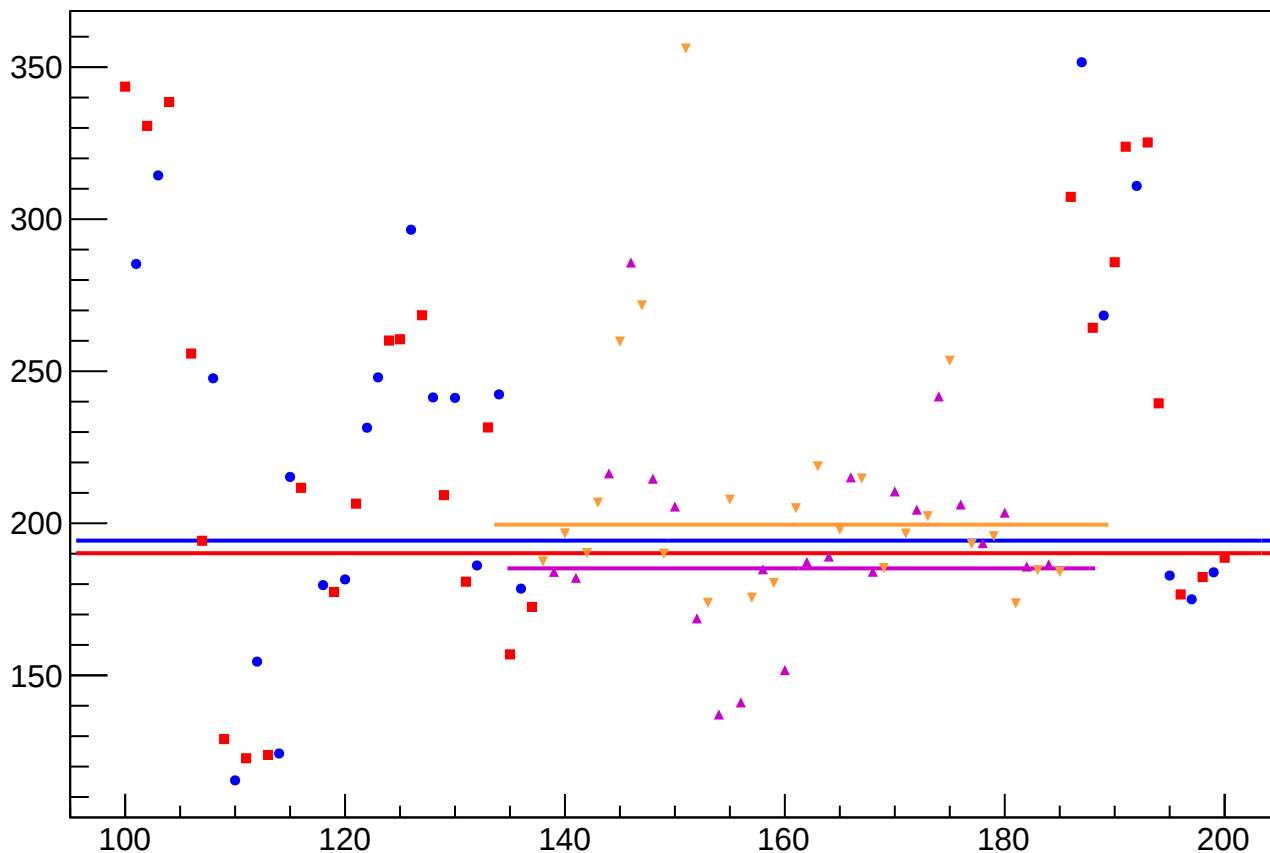
Left In: 1363.043+/-45.807 χ^2/NDF : 11632.9/22

+ sign 1411.451+/-37.738 χ^2/NDF : 18903.0/47

All: 1561.269+/-25.825 χ^2/NDF : 46342.9/98

- sign 1693.214+/-35.416 χ^2/NDF : 27410.2/50

asym_bpm0i05WS_rms vs Slug



Right In: 194.298+/-0.044 χ^2/NDF : 1400575.2/22

Left Out: 199.547+/-0.034 χ^2/NDF : 729356.3/24

Right Out: 190.171+/-0.039 χ^2/NDF : 2127564.8/27

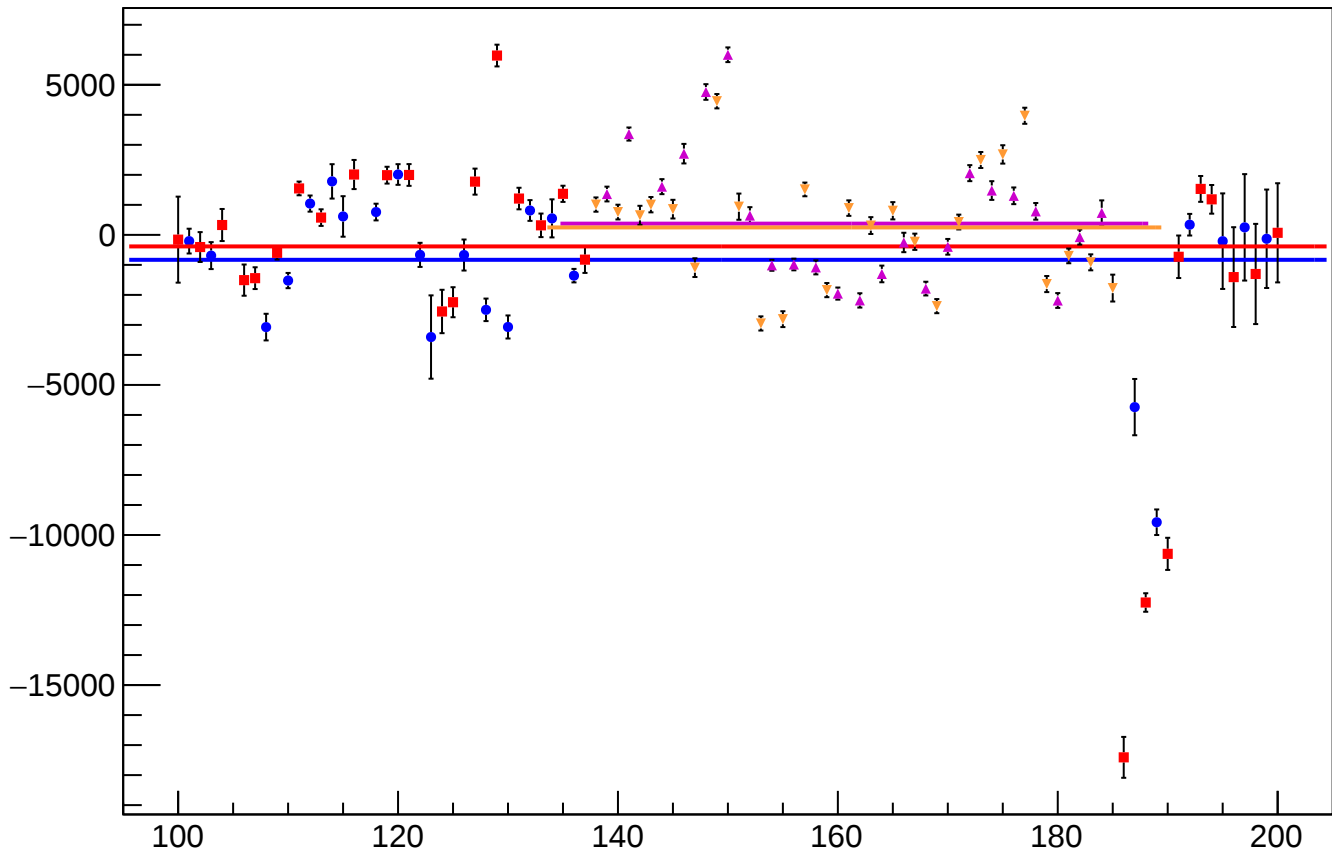
Left In: 185.171+/-0.032 χ^2/NDF : 882752.2/22

+ sign 197.617+/-0.027 χ^2/NDF : 2138924.9/47

All: 192.068+/-0.018 χ^2/NDF : 5240141.4/98

- sign 187.182+/-0.025 χ^2/NDF : 3019901.9/50

asym_bpm0i07WS_mean vs Slug



Right In: -830.917 ± 83.834 $\chi^2/\text{NDF}: 760.2/22$

Left Out: 247.844 ± 53.555 $\chi^2/\text{NDF}: 1355.1/24$

Right Out: -384.595 ± 75.185 $\chi^2/\text{NDF}: 3162.5/27$

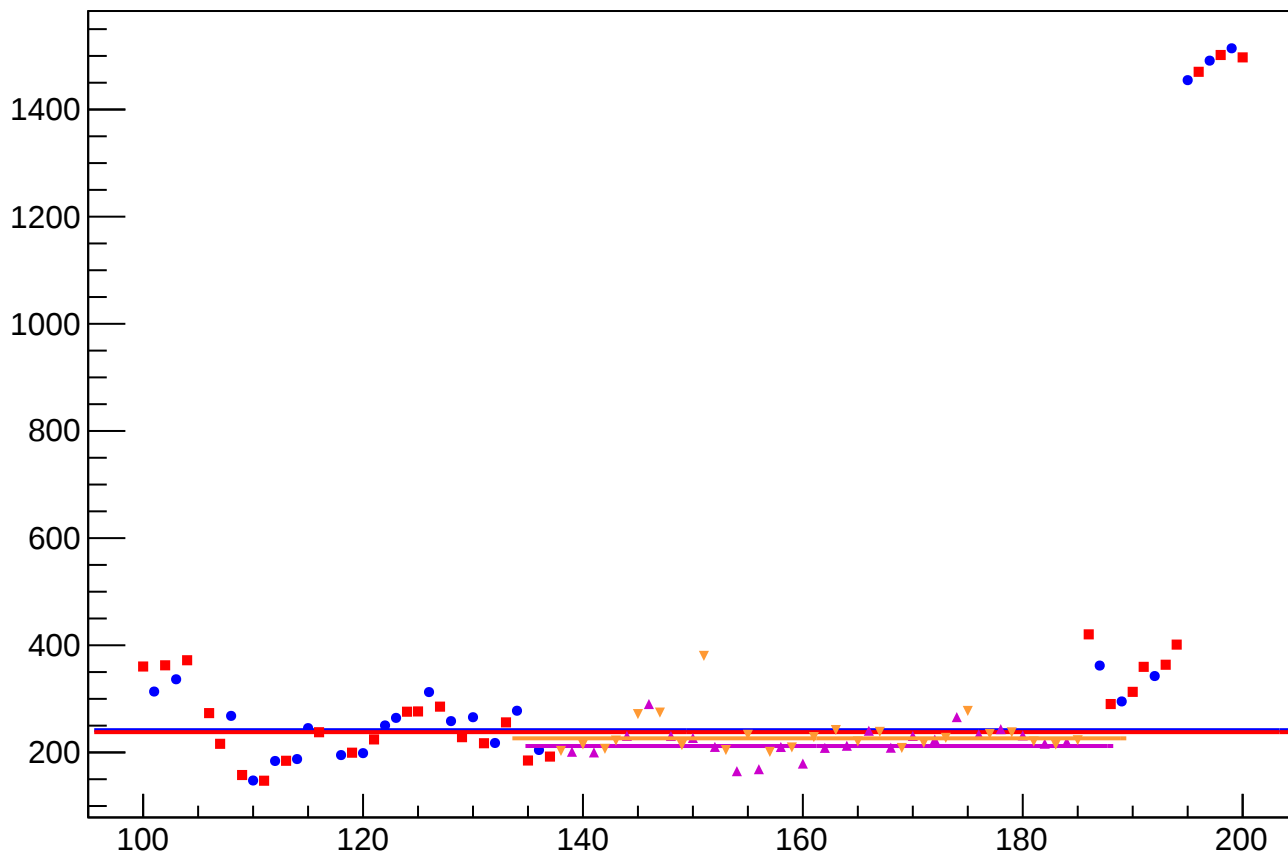
Left In: 374.122 ± 52.049 $\chi^2/\text{NDF}: 1801.0/22$

+ sign -64.799 ± 45.132 $\chi^2/\text{NDF}: 2232.8/47$

All: 36.885 ± 31.054 $\chi^2/\text{NDF}: 7274.9/98$

- sign 128.311 ± 42.795 $\chi^2/\text{NDF}: 5032.4/50$

asym_bpm0i07WS_rms vs Slug



Right In: 241.526+/-0.059 χ^2/NDF : 4330580.1/22

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 237.875+/-0.053 χ^2/NDF : 5232058.0/27

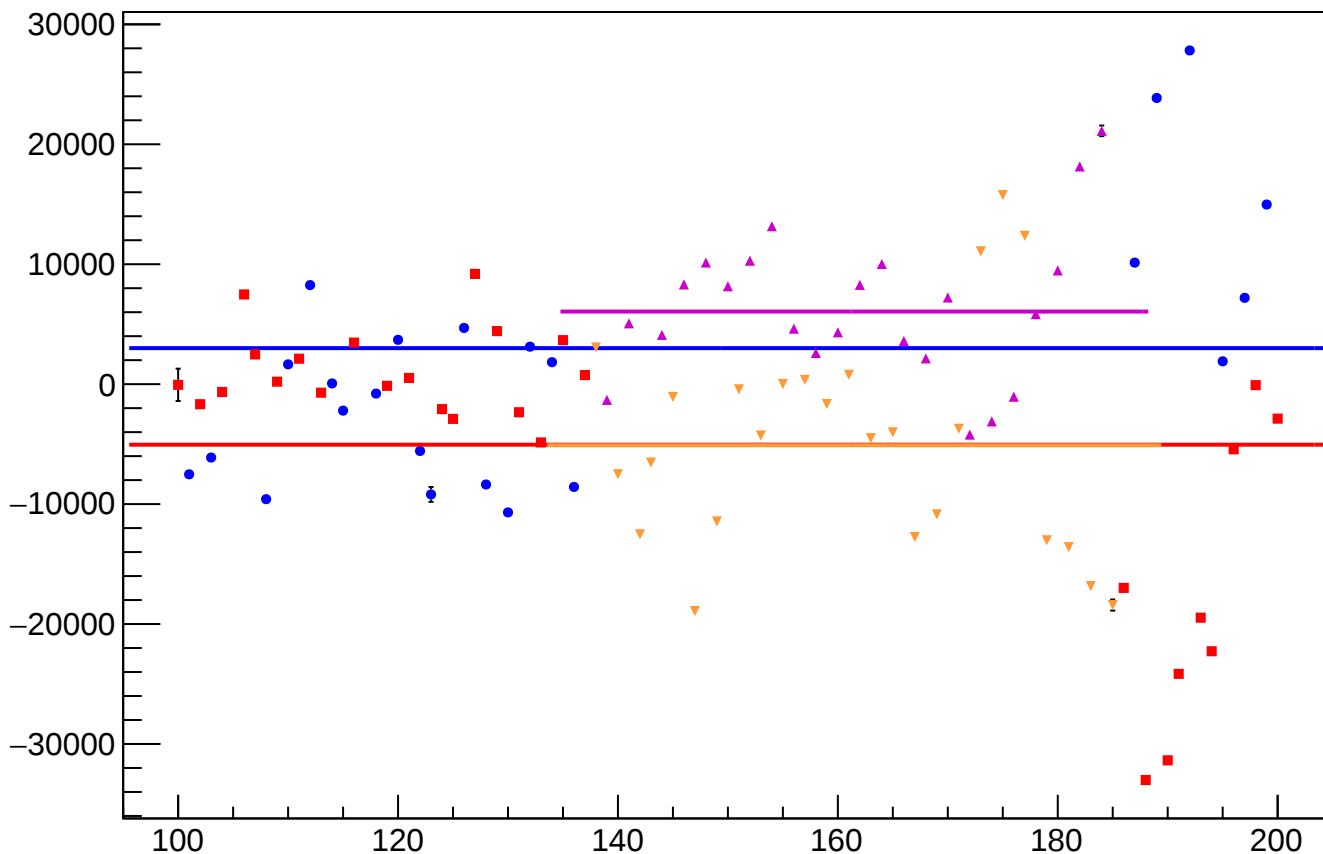
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 230.728+/-0.032 χ^2/NDF : 4898338.9/47

All: 225.270+/-0.022 χ^2/NDF : 10930792.1/98

- sign 220.363+/-0.030 χ^2/NDF : 5976903.7/50

asym_bpm1i02WS_mean vs Slug



Right In: 3003.187 $\pm$ 39.624 χ^2 /NDF: 73140.8/22

Left Out: -5095.305 $\pm$ 33.703 χ^2 /NDF: 54395.4/24

Right Out: -5046.017 $\pm$ 35.902 χ^2 /NDF: 100837.6/27

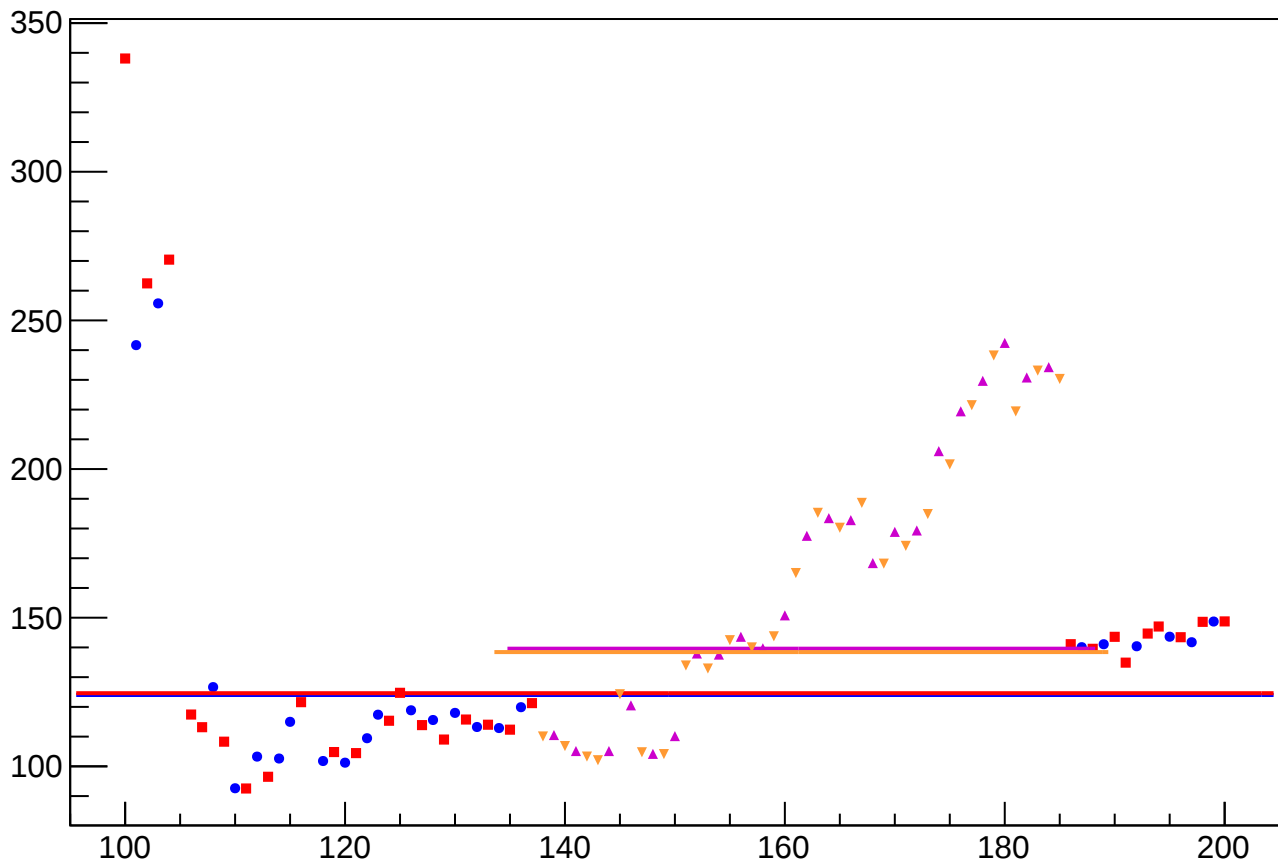
Left In: 6053.569 $\pm$ 34.998 χ^2 /NDF: 17590.3/22

+ sign -1695.720 $\pm$ 25.673 χ^2 /NDF: 151773.3/47

All: -496.996 $\pm$ 17.933 χ^2 /NDF: 323468.4/98

- sign 645.275 $\pm$ 25.061 χ^2 /NDF: 167437.3/50

asym_bpm1i02WS_rms vs Slug



Right In: 123.999 $\pm$ 0.028 χ^2 /NDF: 947300.3/22

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 124.606 $\pm$ 0.025 χ^2 /NDF: 1145235.1/27

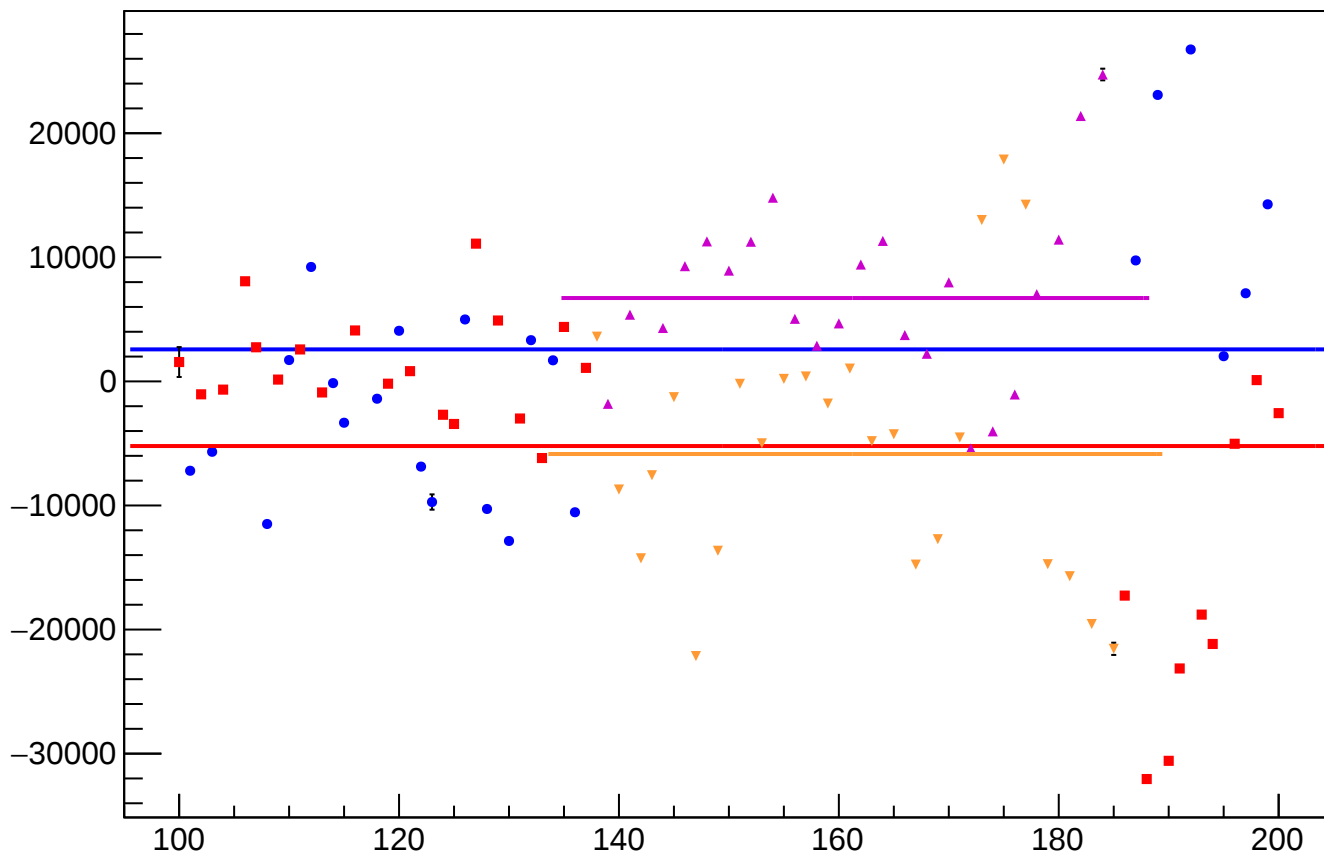
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 132.375 $\pm$ 0.018 χ^2 /NDF: 3650782.4/47

All: 132.328 $\pm$ 0.013 χ^2 /NDF: 7388023.3/98

- sign 132.283 $\pm$ 0.018 χ^2 /NDF: 3737227.5/50

asym_bpm2i01WS_mean vs Slug



Right In: 2579.686+/-40.014 χ^2/NDF : 78134.6/22

Left Out: -5852.544+/-35.880 χ^2/NDF : 63411.4/24

Right Out: -5210.019+/-36.330 χ^2/NDF : 101379.3/27

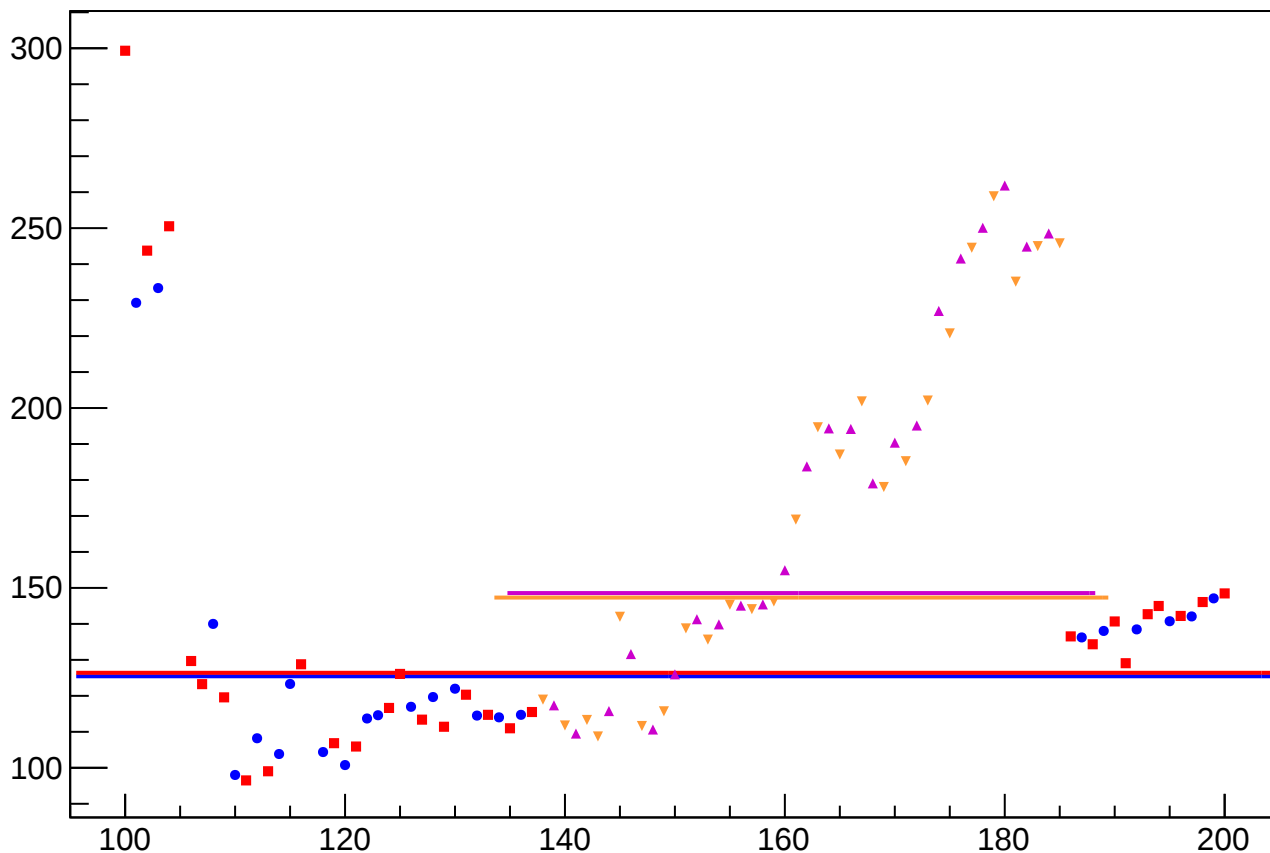
Left In: 6718.475+/-37.276 χ^2/NDF : 20934.3/22

+ sign -2094.366+/-26.713 χ^2/NDF : 166162.2/47

All: -711.086+/-18.638 χ^2/NDF : 346218.5/98

- sign 601.050+/-26.017 χ^2/NDF : 174831.3/50

asym_bpm2i01WS_rms vs Slug



Right In: 125.442 $\pm$ 0.028 χ^2 /NDF: 783508.3/22

Left Out: 147.317 $\pm$ 0.025 χ^2 /NDF: 2511679.9/24

Right Out: 126.409 $\pm$ 0.026 χ^2 /NDF: 922367.0/27

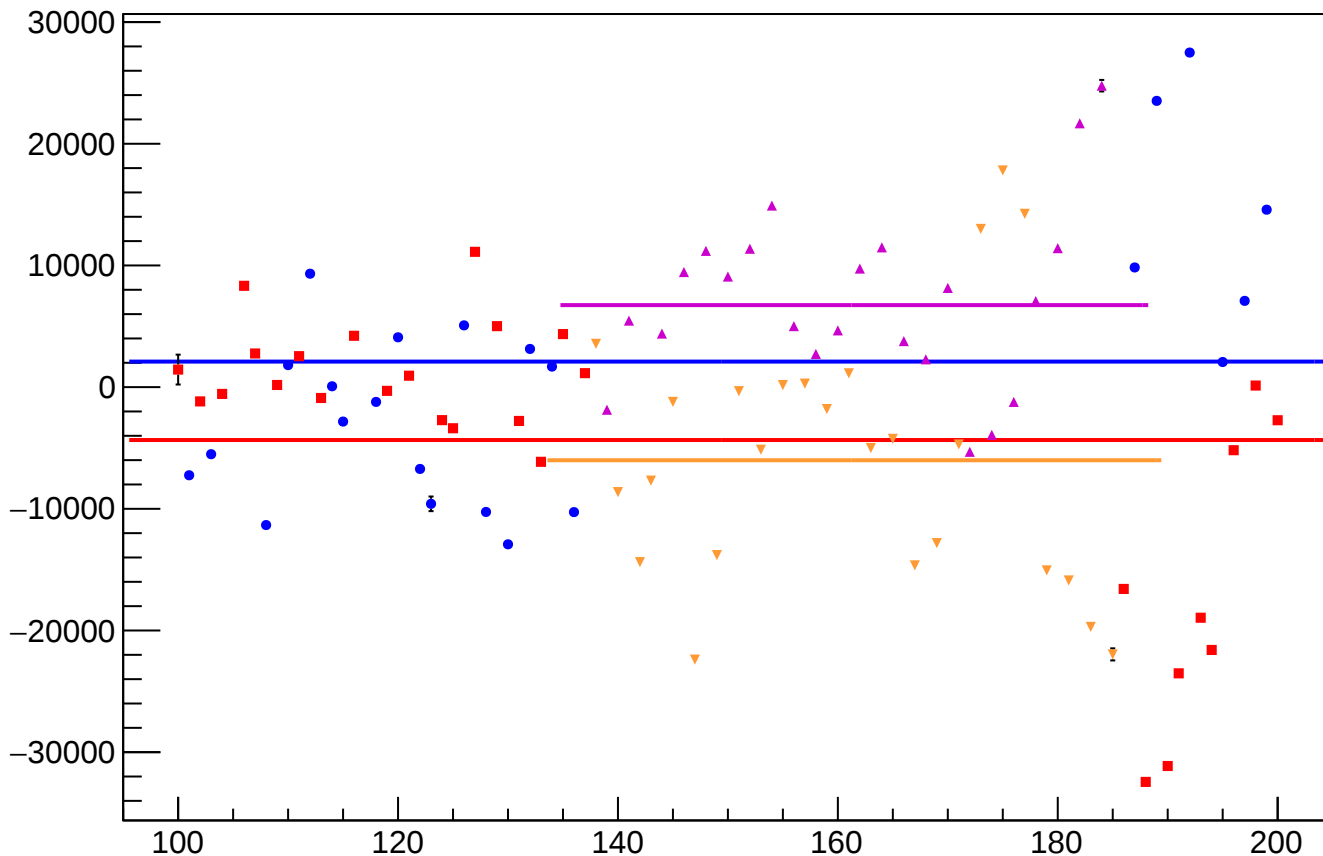
Left In: 148.569 $\pm$ 0.026 χ^2 /NDF: 2393185.0/22

+ sign 137.568 $\pm$ 0.019 χ^2 /NDF: 3626523.4/47

All: 137.381 $\pm$ 0.013 χ^2 /NDF: 7304746.6/98

- sign 137.204 $\pm$ 0.018 χ^2 /NDF: 3678033.3/50

asym_bpm2i02WS_mean vs Slug



Right In: 2099.372 $\pm$ 39.271 χ^2 /NDF: 77467.6/22

Left Out: -6009.913 $\pm$ 35.082 χ^2 /NDF: 67852.2/24

Right Out: -4347.220 $\pm$ 35.937 χ^2 /NDF: 95865.4/27

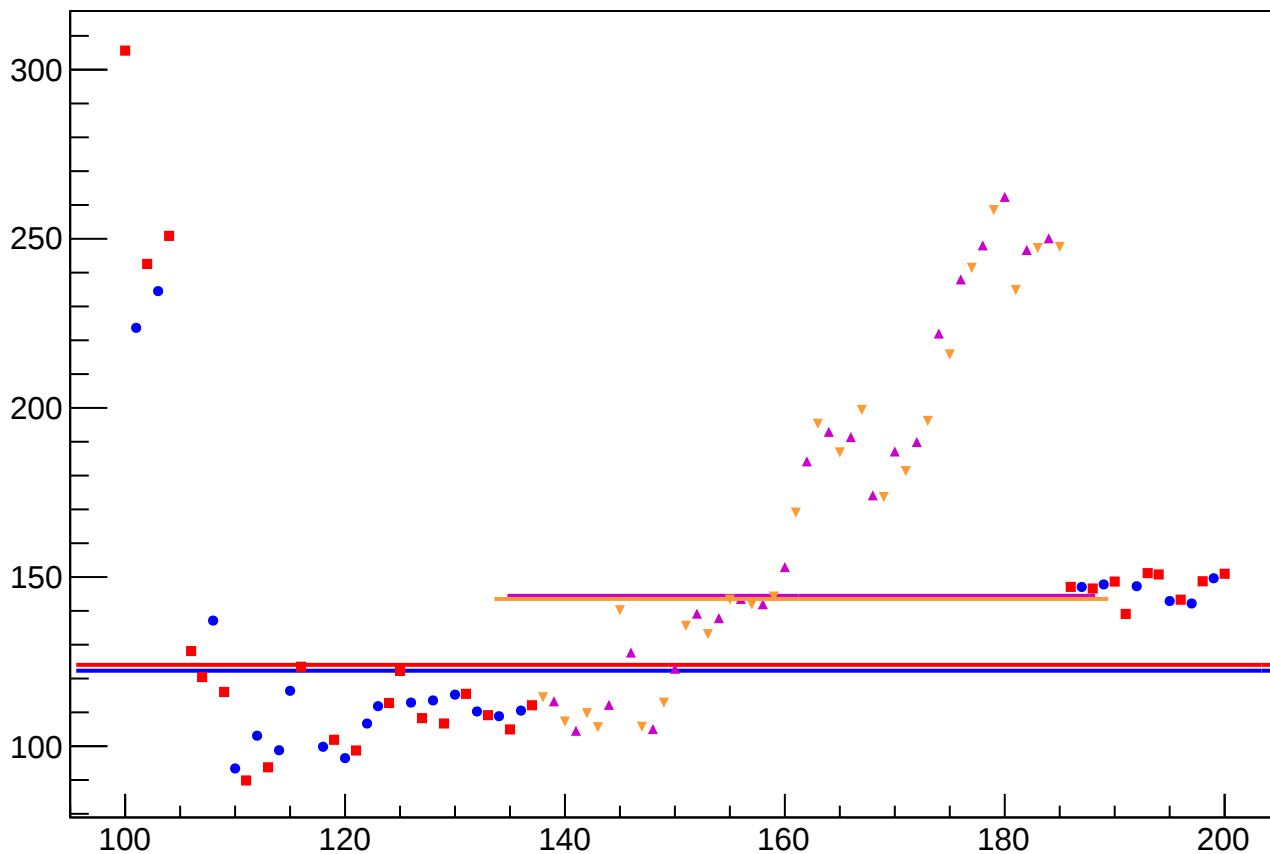
Left In: 6740.666 $\pm$ 36.379 χ^2 /NDF: 22071.8/22

+ sign -2410.654 $\pm$ 26.163 χ^2 /NDF: 169034.6/47

All: -600.055 $\pm$ 18.285 χ^2 /NDF: 343349.6/98

- sign 1128.896 $\pm$ 25.566 χ^2 /NDF: 164952.4/50

asym_bpm2i02WS_rms vs Slug



Right In: 122.309+/-0.028 χ^2/NDF : 969913.8/22

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 124.045+/-0.025 χ^2/NDF : 1235861.1/27

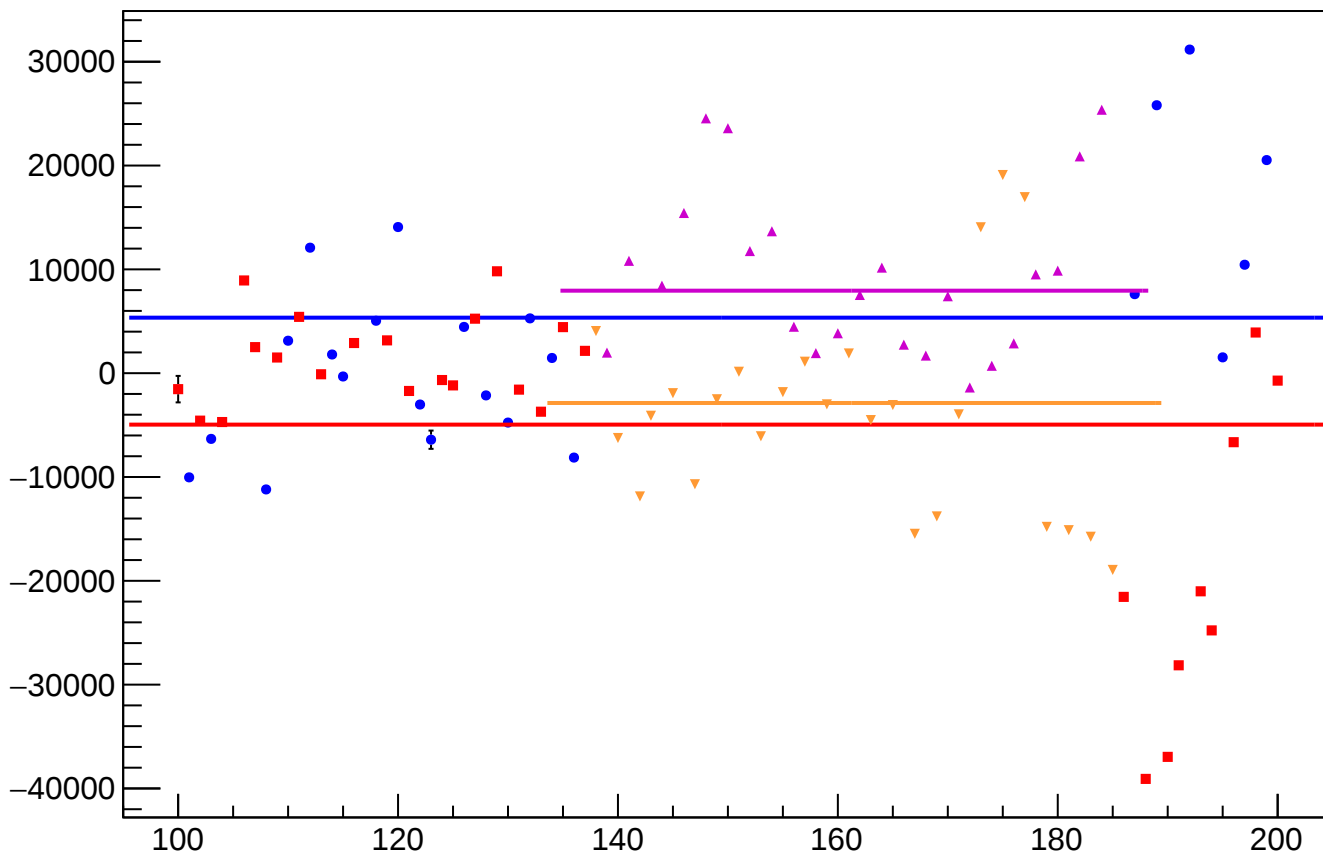
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 134.112+/-0.019 χ^2/NDF : 3999522.3/47

All: 134.115+/-0.013 χ^2/NDF : 8140426.5/98

- sign 134.118+/-0.018 χ^2/NDF : 4140904.1/50

asym_bpm0i01WS_mean vs Slug



Right In: 5347.761+/-47.533 χ^2/NDF : 58687.7/22

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: -4954.327+/-43.479 χ^2/NDF : 94856.7/27

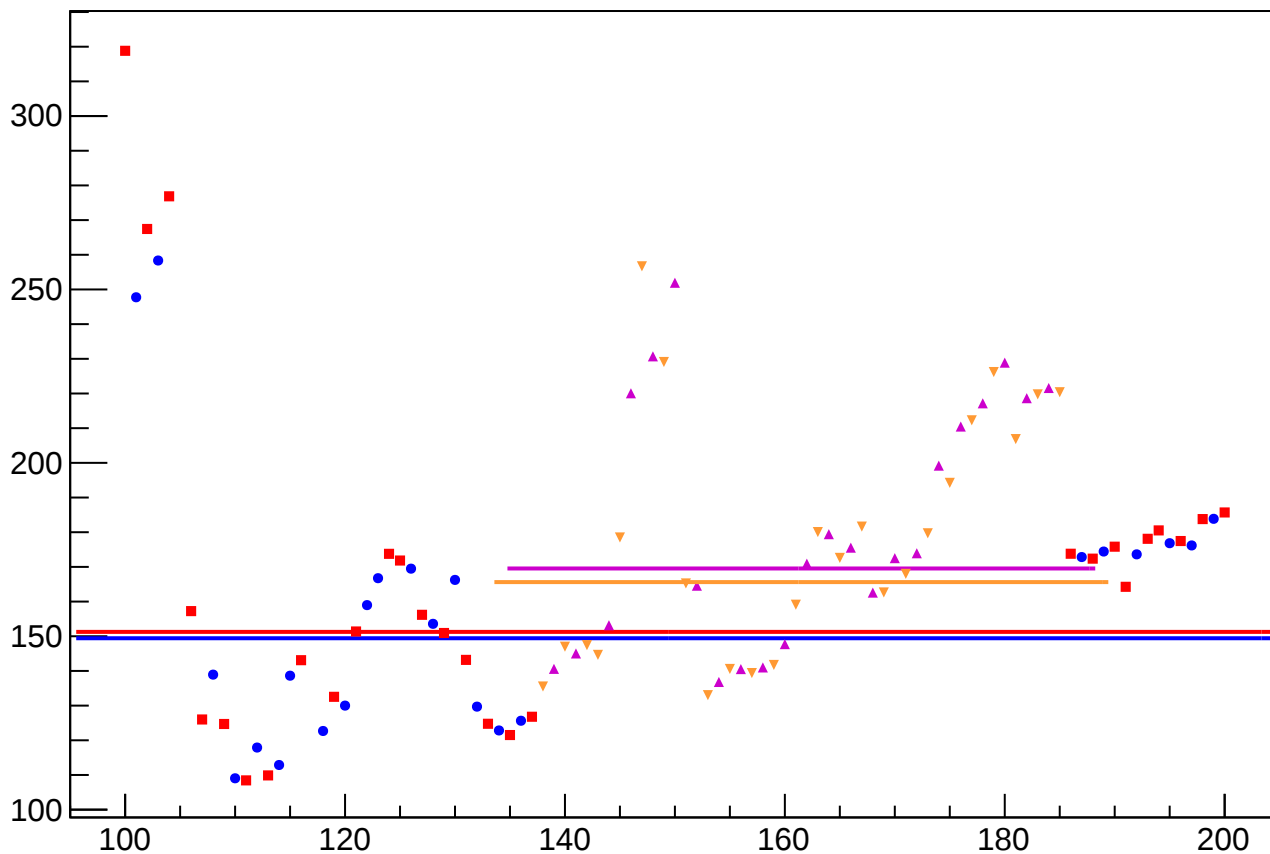
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign 484.699+/-30.372 χ^2/NDF : 122796.5/47

All: 1128.849+/-21.381 χ^2/NDF : 288254.9/98

- sign 1761.751+/-30.105 χ^2/NDF : 164566.6/50

asym_bpm0i01WS_rms vs Slug



Right In: 149.424+/-0.034 χ^2/NDF : 935751.6/22

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 151.261+/-0.031 χ^2/NDF : 1168885.6/27

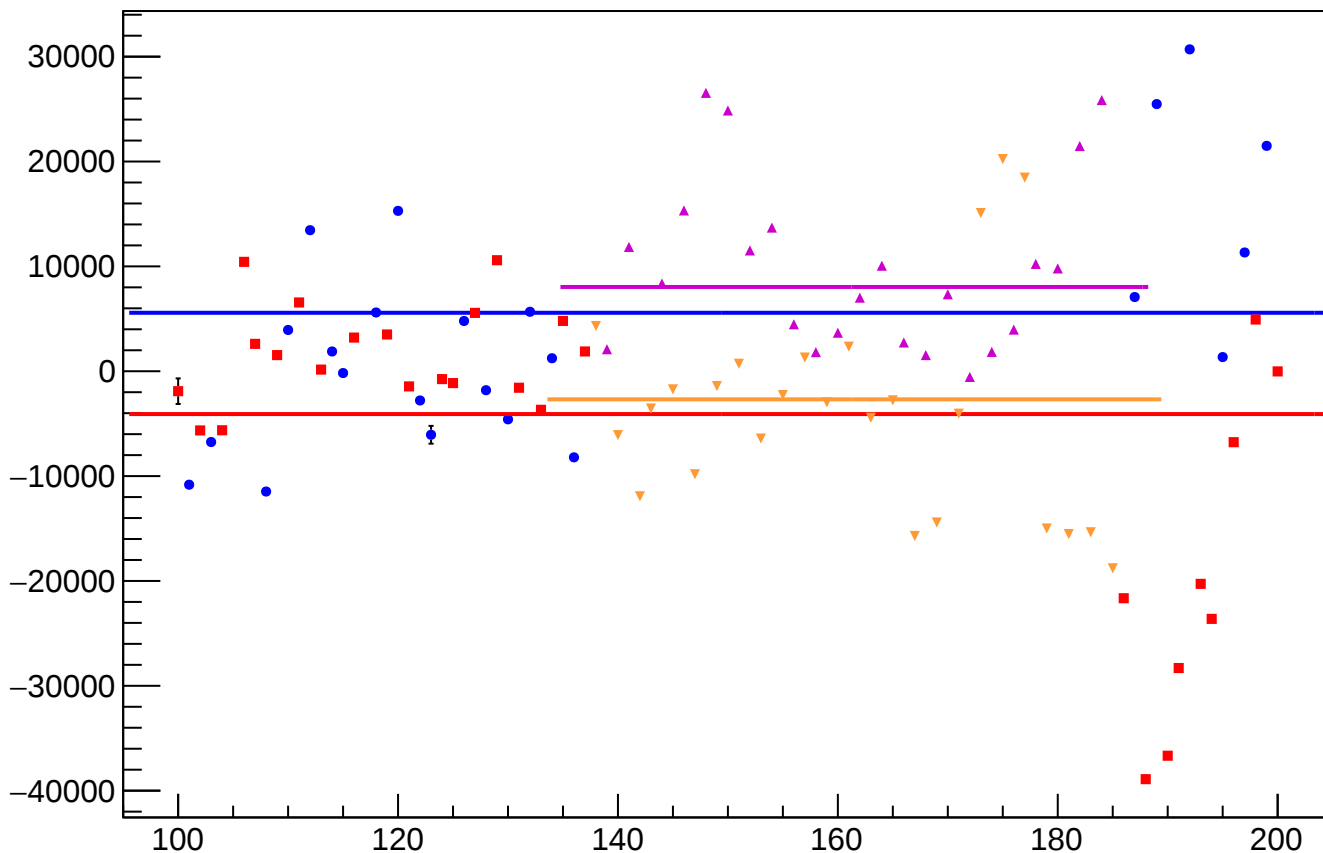
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 159.006+/-0.021 χ^2/NDF : 2217869.7/47

All: 159.899+/-0.015 χ^2/NDF : 4733471.6/98

- sign 160.777+/-0.021 χ^2/NDF : 2512168.4/50

asym_bpm0i01aWS_mean vs Slug



Right In: 5576.201+/-39.939 χ^2/NDF : 82364.3/22

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -4084.330+/-36.335 χ^2/NDF : 131634.0/27

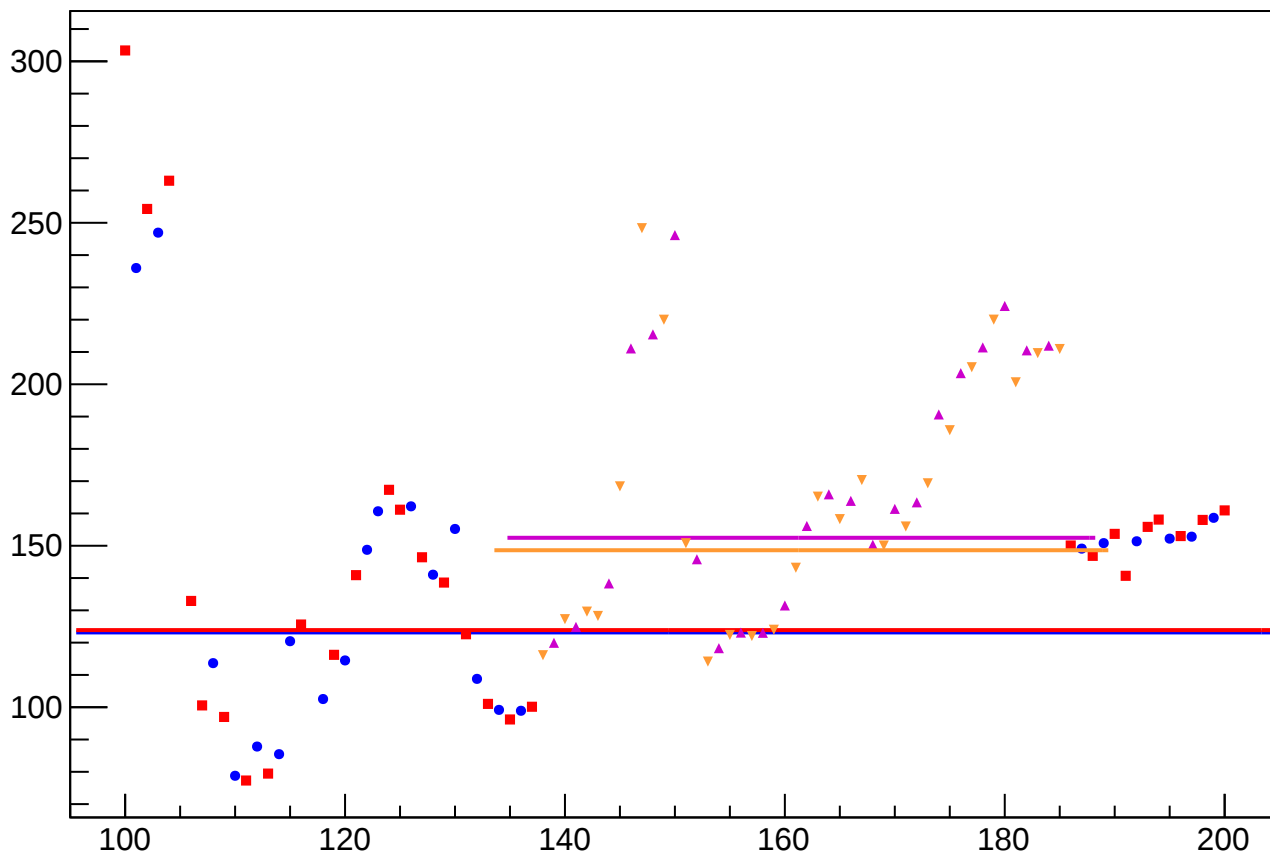
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 994.136+/-26.643 χ^2/NDF : 162901.5/47

All: 1361.125+/-18.694 χ^2/NDF : 377432.0/90

- sign 1717.011+/-26.237 χ^2/NDF : 214156.8/50

asym_bpm0i01aWS_rms vs Slug



Right In: 123.161+/-0.028 χ^2/NDF : 1536612.6/22

Left Out: 148.611+/-0.025 χ^2/NDF : 1685424.1/24

Right Out: 123.881+/-0.026 χ^2/NDF : 1938579.4/27

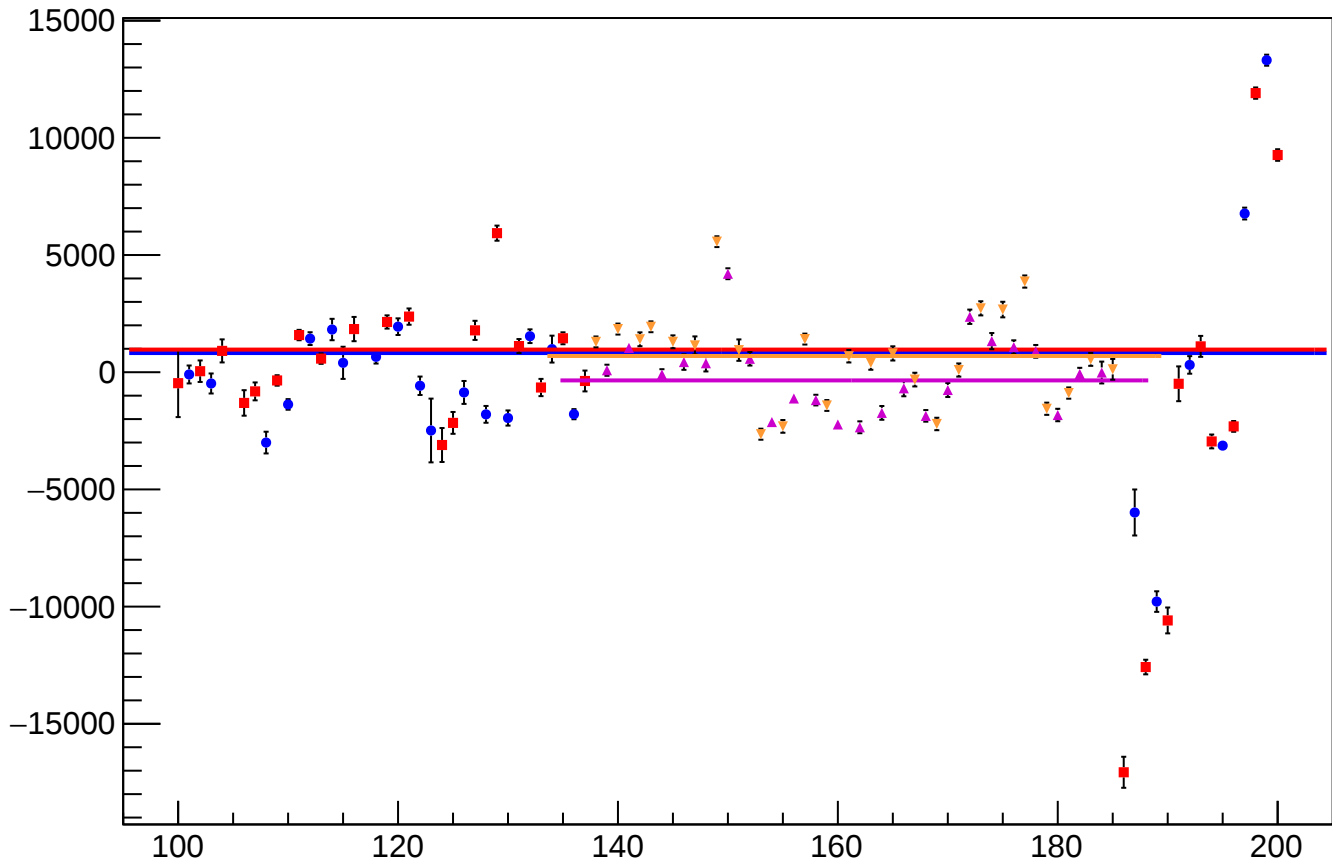
Left In: 152.463+/-0.027 χ^2/NDF : 1691517.7/22

+ sign 137.285+/-0.019 χ^2/NDF : 3672739.0/47

All: 137.425+/-0.013 χ^2/NDF : 7895270.3/98

- sign 137.561+/-0.019 χ^2/NDF : 4222422.7/50

asym_bpm0l01WS_mean vs Slug



Right In: 817.614 $\pm$ 68.879 χ^2 /NDF: 4854.1/22

Left Out: 692.998 $\pm$ 54.303 χ^2 /NDF:1422.0/24

Right Out: 965.442 $\pm$ 62.936 χ^2 /NDF: 7111.7/27

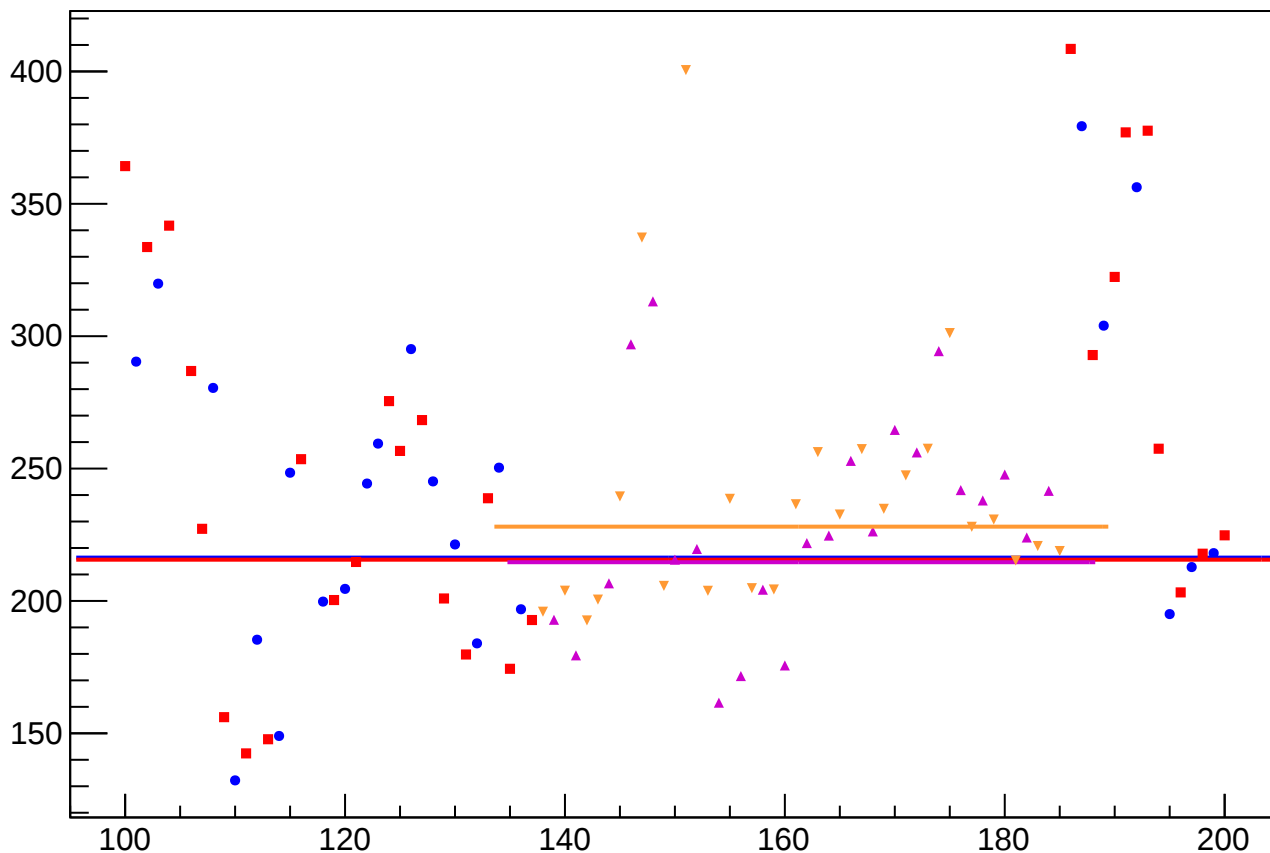
Left In: -349.623 $\pm$ 53.094 χ^2 /NDF:981.0/22

+ sign 740.765 $\pm$ 42.644 χ^2 /NDF: 6278.2/47

All: 455.501 $\pm$ 29.398 χ^2 /NDF: 14711.2/98

- sign 197.163 $\pm$ 40.582 χ^2 /NDF: 8347.7/50

asym_bpm0l01WS_rms vs Slug



Right In: 216.367 $\pm$ 0.049 χ^2 /NDF: 1148927.9/22

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF: 826343.8/24

Right Out: 215.583 $\pm$ 0.045 χ^2 /NDF: 1817589.9/27

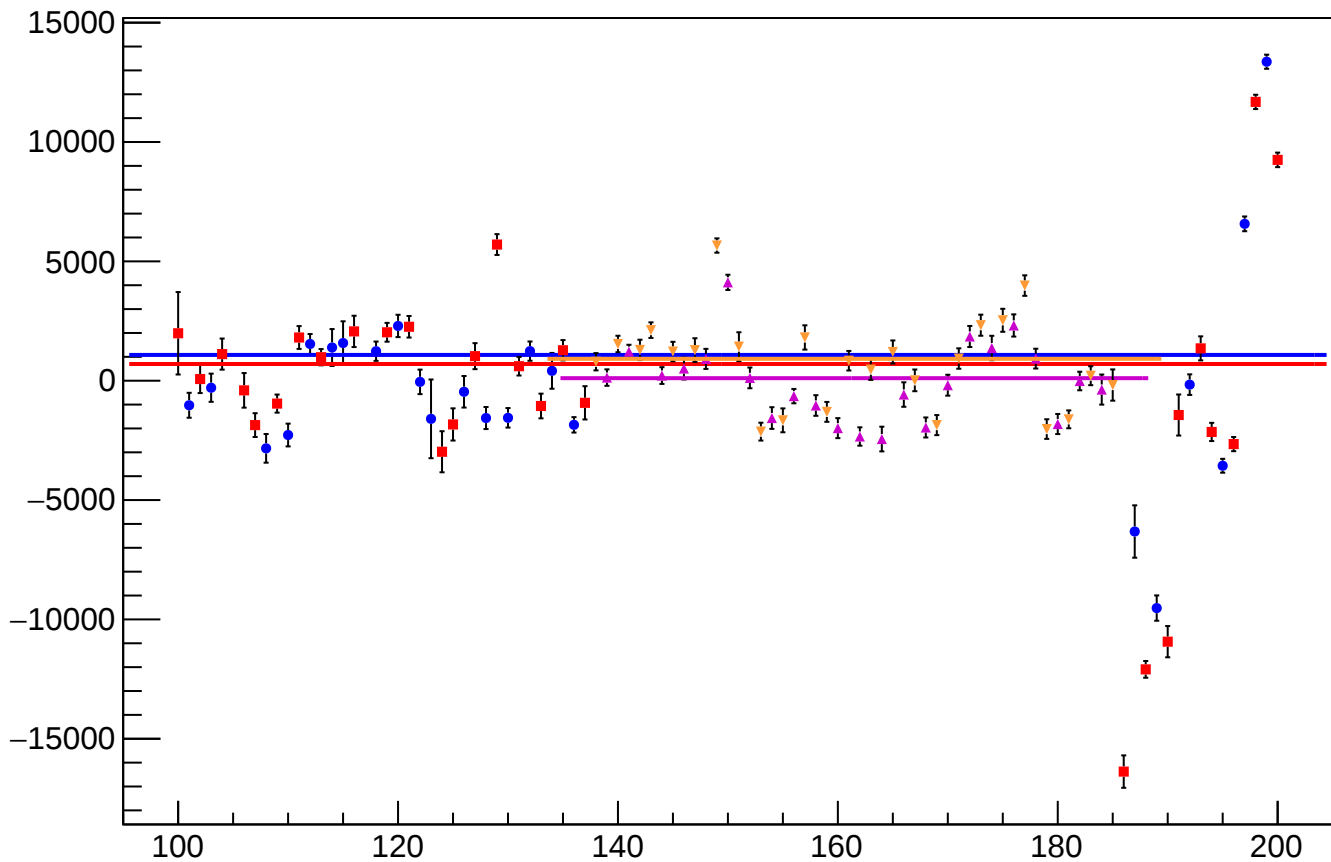
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF: 1025683.3/22

+ sign 223.579 $\pm$ 0.030 χ^2 /NDF: 2010819.1/47

All: 219.090 $\pm$ 0.021 χ^2 /NDF: 4896591.9/98

- sign 215.025 $\pm$ 0.029 χ^2 /NDF: 2843542.9/50

asym_bpm0l02WS_mean vs Slug



Right In: 1080.314 $\pm$ 94.831 χ^2 /NDF: 3041.6/22

Left Out: 915.968 $\pm$ 83.398 χ^2 /NDF:618.3/24

Right Out: 699.649 $\pm$ 86.649 χ^2 /NDF: 4869.3/27

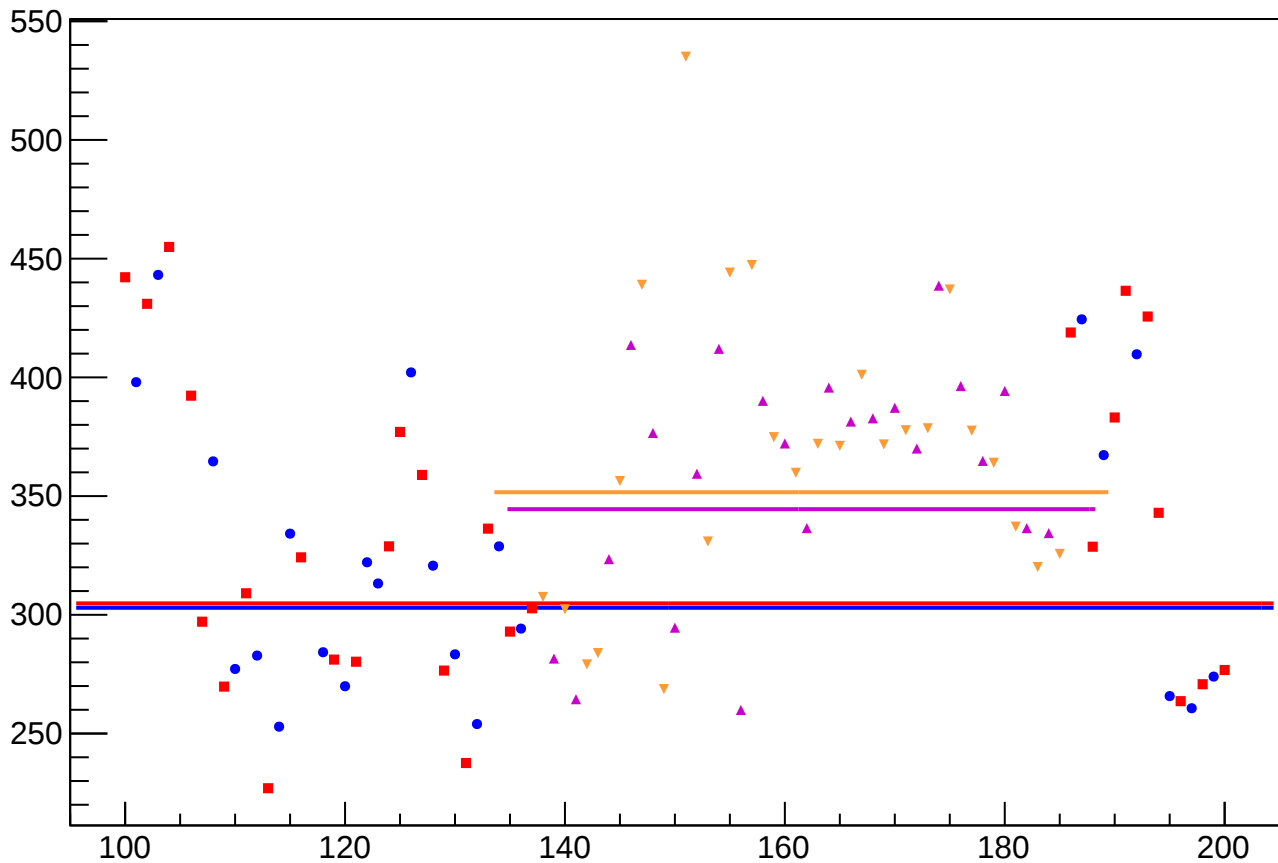
Left In: 106.116 $\pm$ 84.393 χ^2 /NDF:390.3/22

+ sign 987.641 $\pm$ 62.626 χ^2 /NDF: 3661.6/47

All: 680.909 $\pm$ 43.496 χ^2 /NDF: 8991.5/98

- sign 395.055 $\pm$ 60.457 χ^2 /NDF: 5283.6/50

asym_bpm0l02WS_rms vs Slug



Right In: 302.969 ± 0.067 $\chi^2/\text{NDF}: 590585.8/22$

Left Out: 351.633 ± 0.059 $\chi^2/\text{NDF}: 907849.3/24$

Right Out: 304.815 ± 0.061 $\chi^2/\text{NDF}: 855091.3/27$

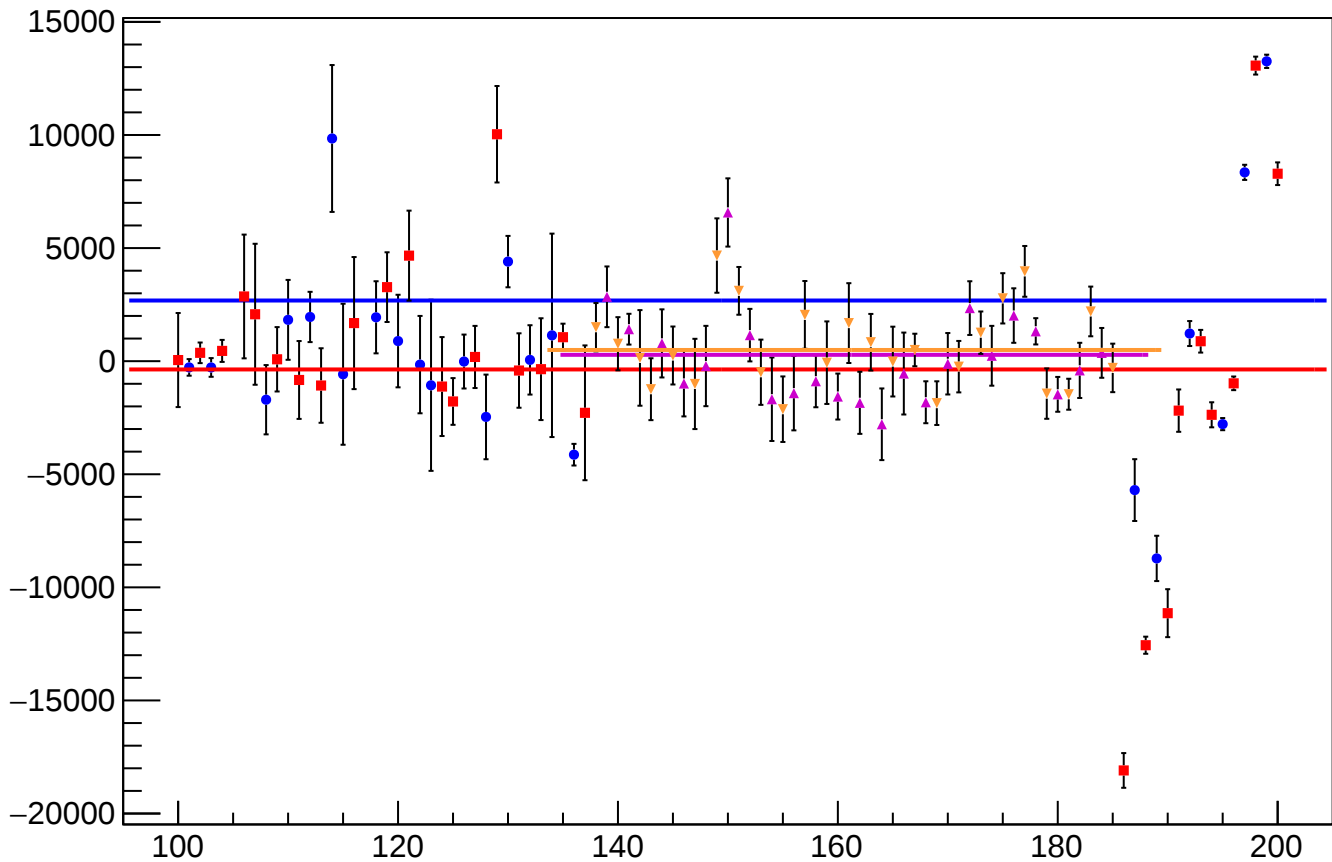
Left In: 344.491 ± 0.060 $\chi^2/\text{NDF}: 768885.4/22$

+ sign 330.410 ± 0.044 $\chi^2/\text{NDF}: 1795419.3/47$

All: 327.701 ± 0.031 $\chi^2/\text{NDF}: 3641824.6/98$

- sign 325.176 ± 0.043 $\chi^2/\text{NDF}: 1839174.7/50$

asym_bpm0l03WS_mean vs Slug



Right In: 2681.841 ± 127.260 $\chi^2/\text{NDF}: 2525.0/22$

Left Out: 495.014 ± 231.058 $\chi^2/\text{NDF}: 56.2/24$

Right Out: -365.800 ± 133.405 $\chi^2/\text{NDF}: 3202.5/27$

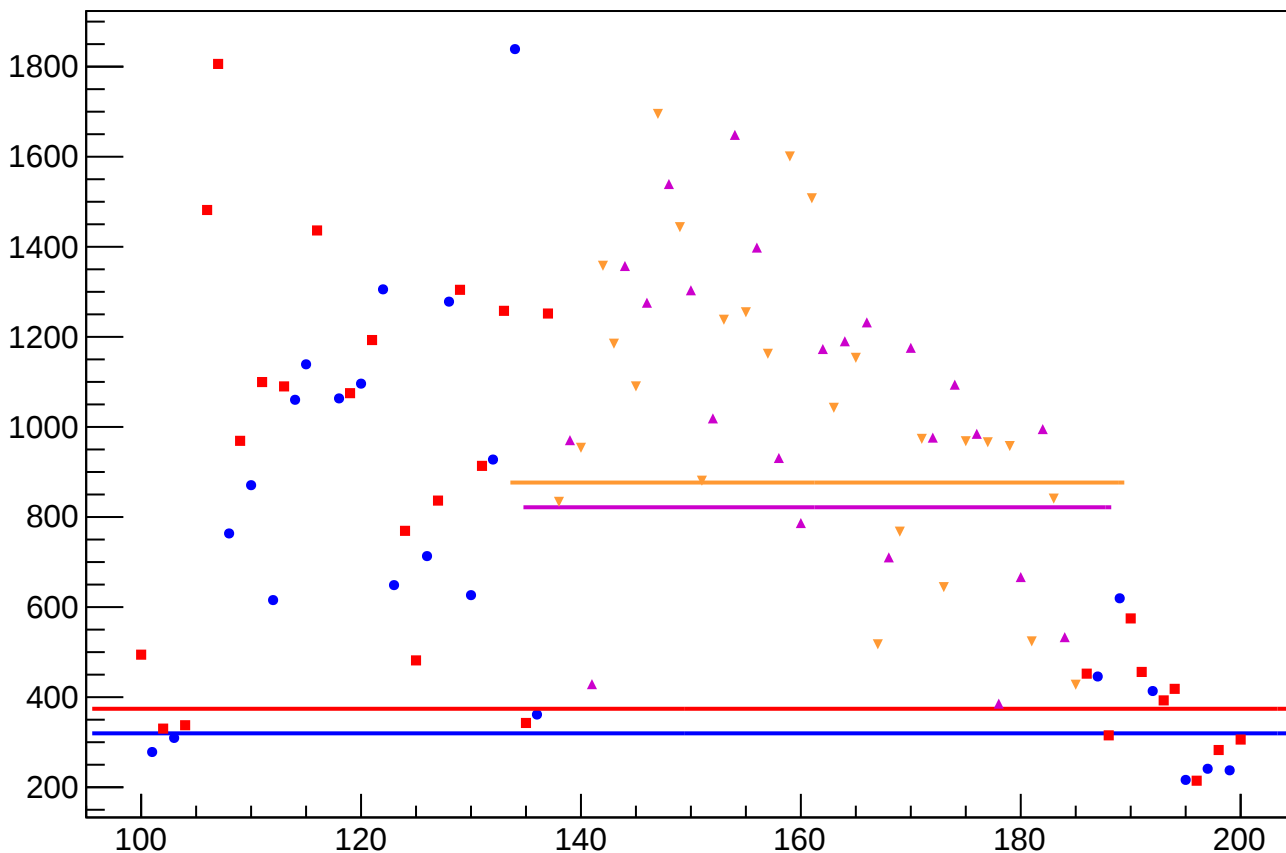
Left In: 280.692 ± 232.048 $\chi^2/\text{NDF}: 57.2/22$

+ sign 2172.870 ± 111.471 $\chi^2/\text{NDF}: 2650.0/47$

All: 1027.619 ± 80.260 $\chi^2/\text{NDF}: 6134.7/98$

- sign -205.205 ± 115.654 $\chi^2/\text{NDF}: 3265.6/50$

asym_bpm0l03WS_rms vs Slug



Right In: 319.688+/-0.090 χ^2/NDF : 4195368.6/22

Left Out: 876.560+/-0.163 χ^2/NDF : 3434698.7/24

Right Out: 374.238+/-0.094 χ^2/NDF : 5159190.9/27

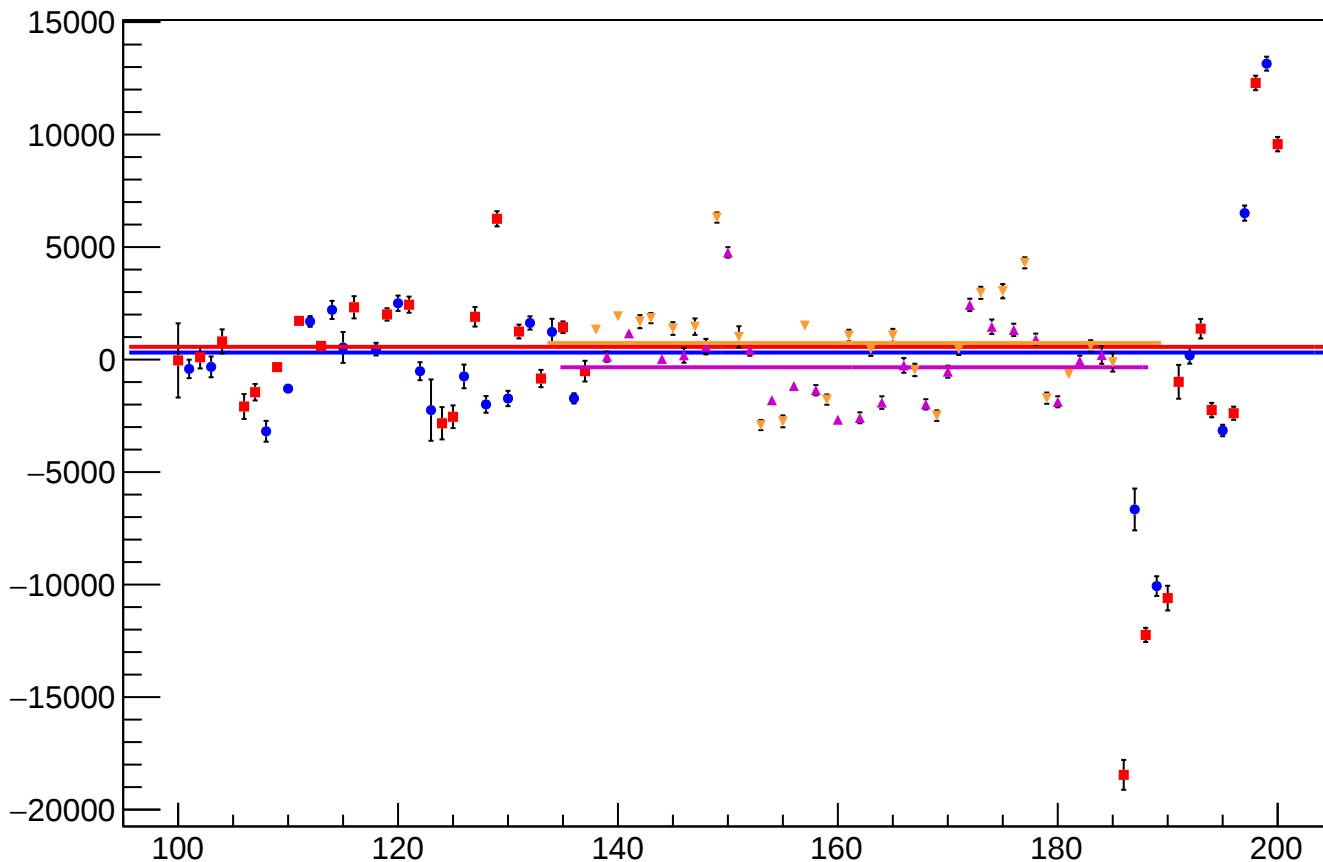
Left In: 821.657+/-0.164 χ^2/NDF : 4443094.2/22

+ sign 449.297+/-0.079 χ^2/NDF : 16543356.0/47

All: 466.675+/-0.057 χ^2/NDF : 31834953.6/98

- sign 485.382+/-0.082 χ^2/NDF : 15190666.6/50

asym_bpm0l04WS_mean vs Slug



Right In: 312.764 ± 71.583 χ^2/NDF : 3261.5/22

Left Out: 738.847 ± 51.649 χ^2/NDF : 1935.2/24

Right Out: 565.121 ± 64.451 χ^2/NDF : 5742.0/27

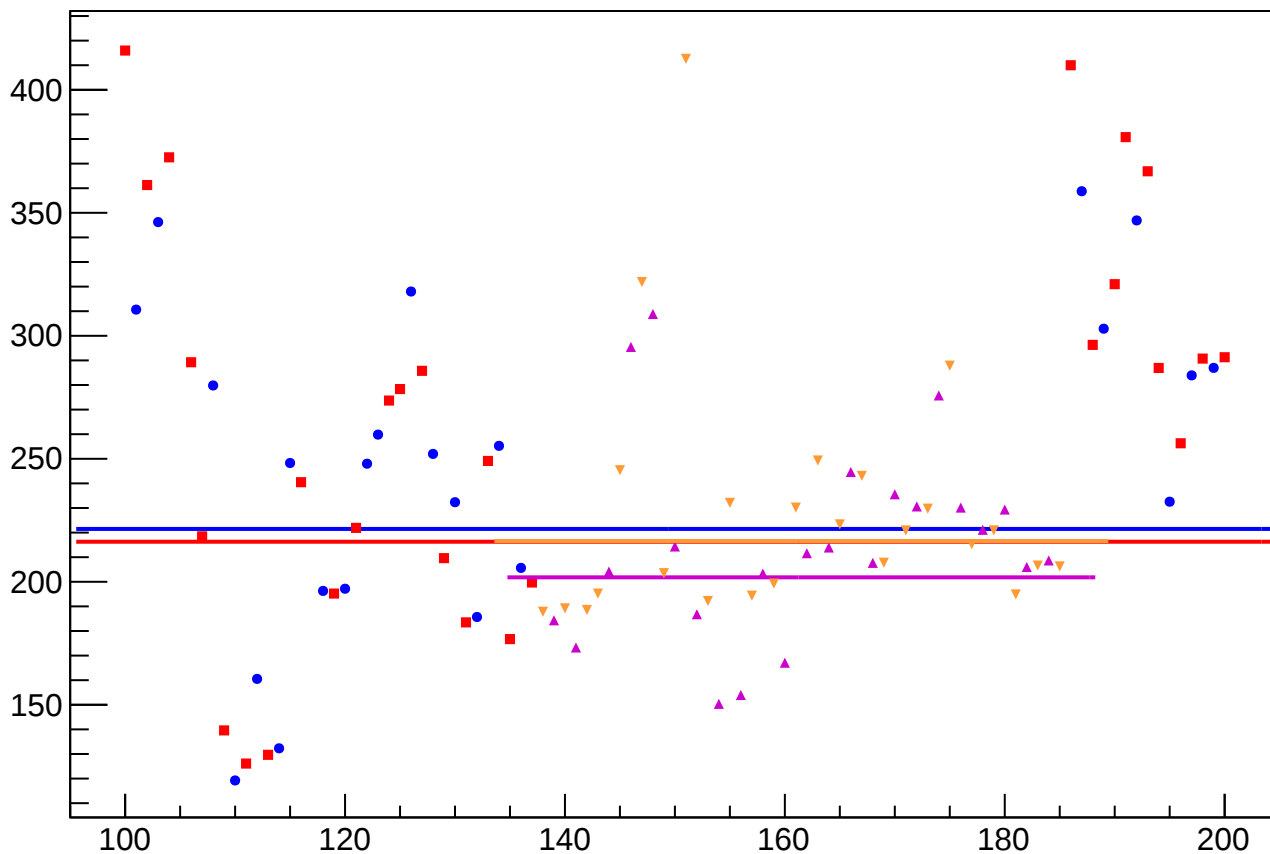
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 592.970 ± 41.885 χ^2/NDF : 5220.0/47

All: 278.756 ± 28.747 χ^2/NDF : 12447.0/98

- sign -1.091 ± 39.528 χ^2/NDF : 7120.6/50

asym_bpm0l04WS_rms vs Slug



Right In: 221.488 ± 0.051 $\chi^2/\text{NDF}: 1678971.9/22$

Left Out: 216.574 ± 0.037 $\chi^2/\text{NDF}: 886214.1/24$

Right Out: 216.288 ± 0.046 $\chi^2/\text{NDF}: 2760222.7/27$

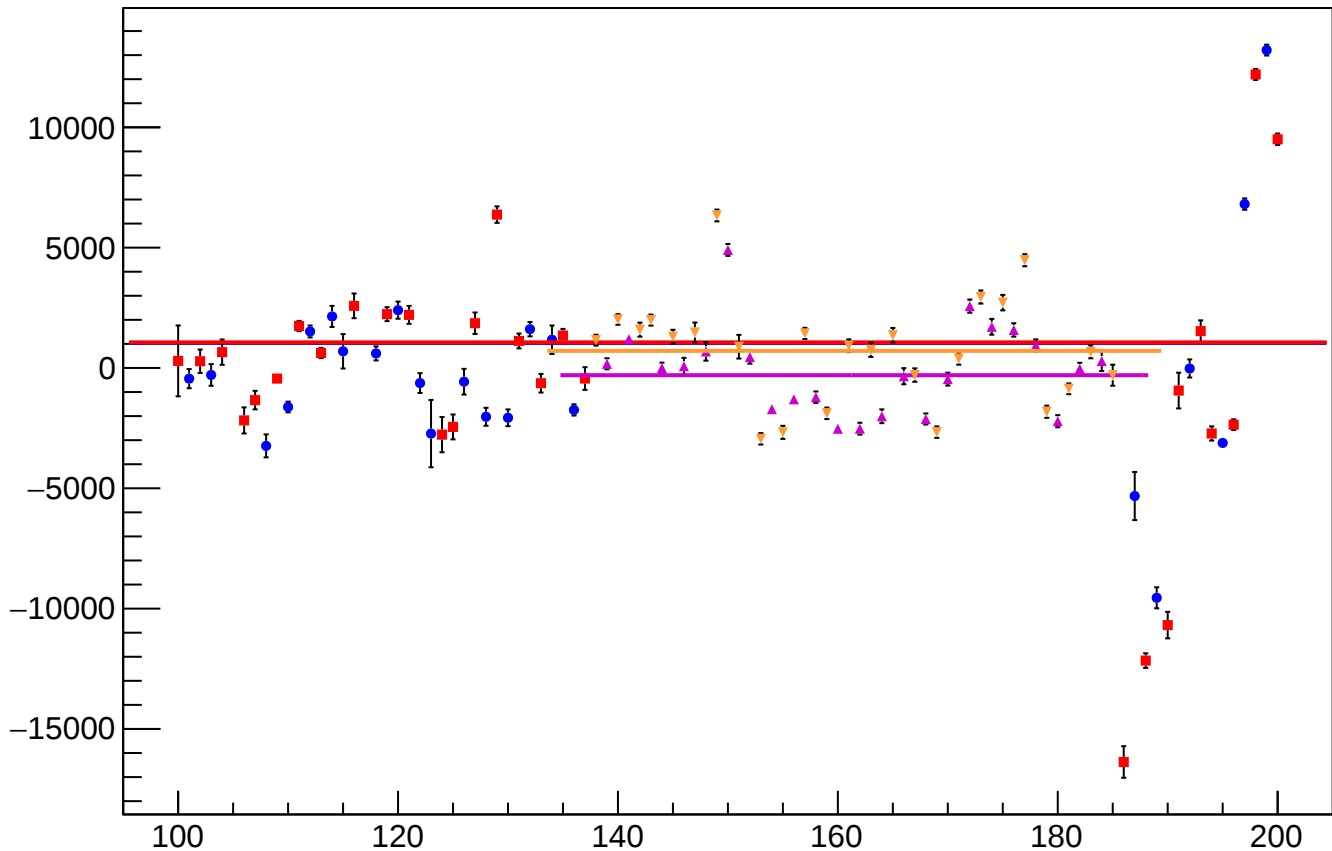
Left In: 201.805 ± 0.035 $\chi^2/\text{NDF}: 1087243.4/22$

+ sign 218.257 ± 0.030 $\chi^2/\text{NDF}: 2571385.1/47$

All: 212.436 ± 0.020 $\chi^2/\text{NDF}: 6554867.6/98$

- sign 207.253 ± 0.028 $\chi^2/\text{NDF}: 3910467.6/50$

asym_bpm0l05WS_mean vs Slug



Right In: 1040.140 ± 69.014 $\chi^2/\text{NDF}: 5131.6/22$

Left Out: 711.174 ± 53.245 $\chi^2/\text{NDF}: 1835.3/24$

Right Out: 1062.995 ± 62.747 $\chi^2/\text{NDF}: 7555.1/27$

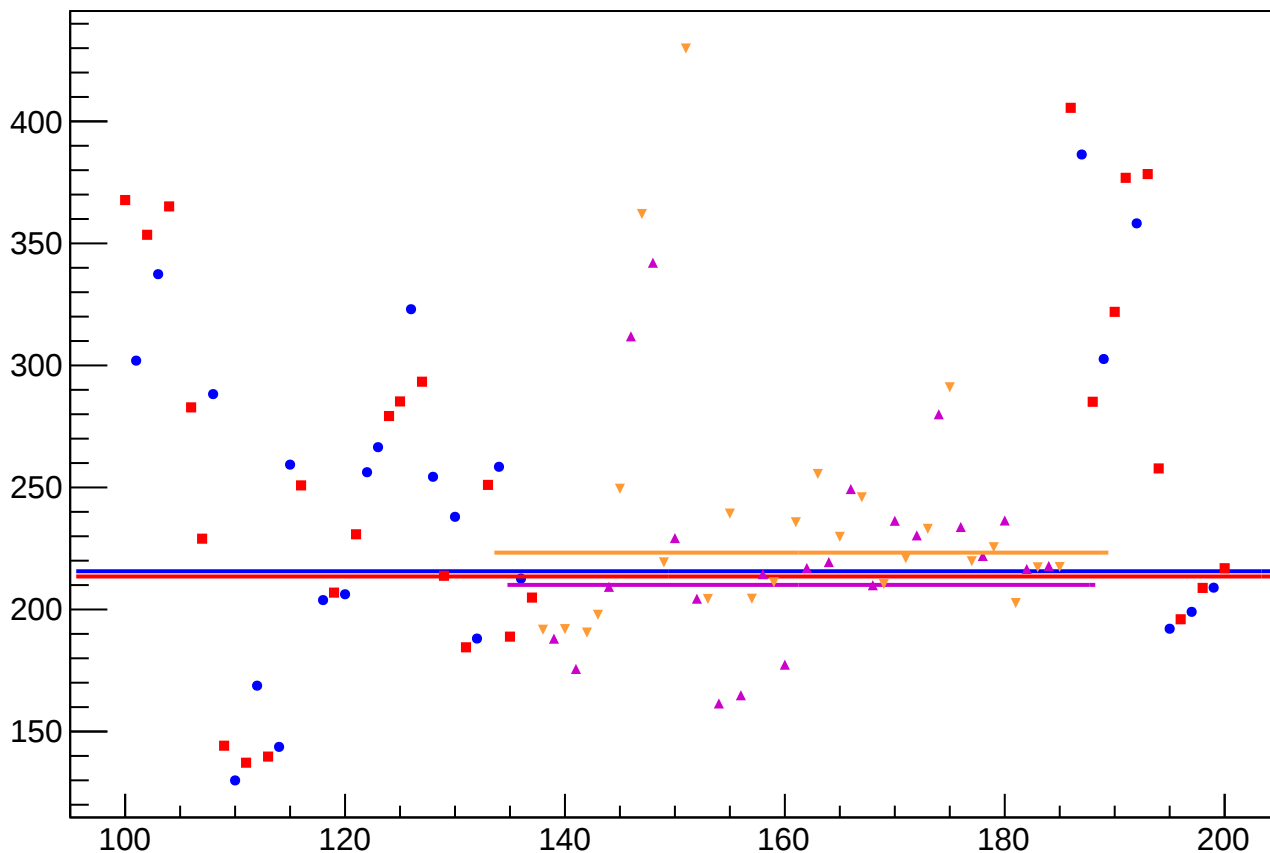
Left In: -300.516 ± 51.984 $\chi^2/\text{NDF}: 1208.6/22$

+ sign 833.921 ± 42.157 $\chi^2/\text{NDF}: 6981.2/47$

All: 529.201 ± 29.029 $\chi^2/\text{NDF}: 16124.3/98$

- sign 254.439 ± 40.031 $\chi^2/\text{NDF}: 9043.7/50$

asym_bpm0l05WS_rms vs Slug



Right In: 215.663 $\pm$ 0.049 χ^2 /NDF: 1340142.5/22

Left Out: 223.296 $\pm$ 0.038 χ^2 /NDF: 922768.4/24

Right Out: 213.522 $\pm$ 0.044 χ^2 /NDF: 2084629.6/27

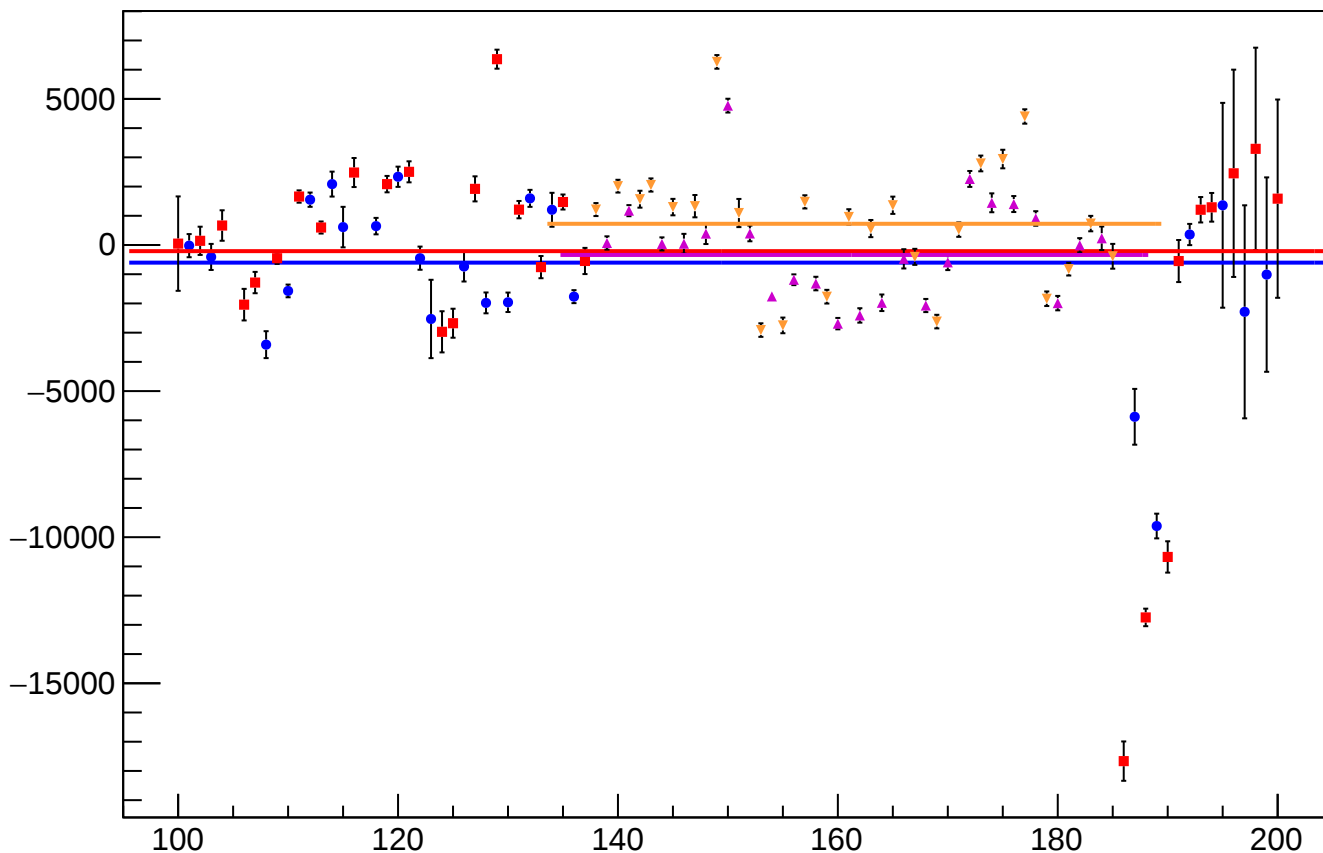
Left In: 210.080 $\pm$ 0.037 χ^2 /NDF: 1015274.5/22

+ sign 220.448 $\pm$ 0.030 χ^2 /NDF: 2278249.0/47

All: 215.733 $\pm$ 0.021 χ^2 /NDF: 5429306.4/98

- sign 211.481 $\pm$ 0.028 χ^2 /NDF: 3103473.7/50

asym_bpm0l06WS_mean vs Slug



Right In: -603.435+/-79.138 χ^2/NDF : 892.1/22

Left Out: 725.866+/-52.158 χ^2/NDF :1912.7/24

Right Out: -210.242+/-70.017 χ^2/NDF : 3633.5/27

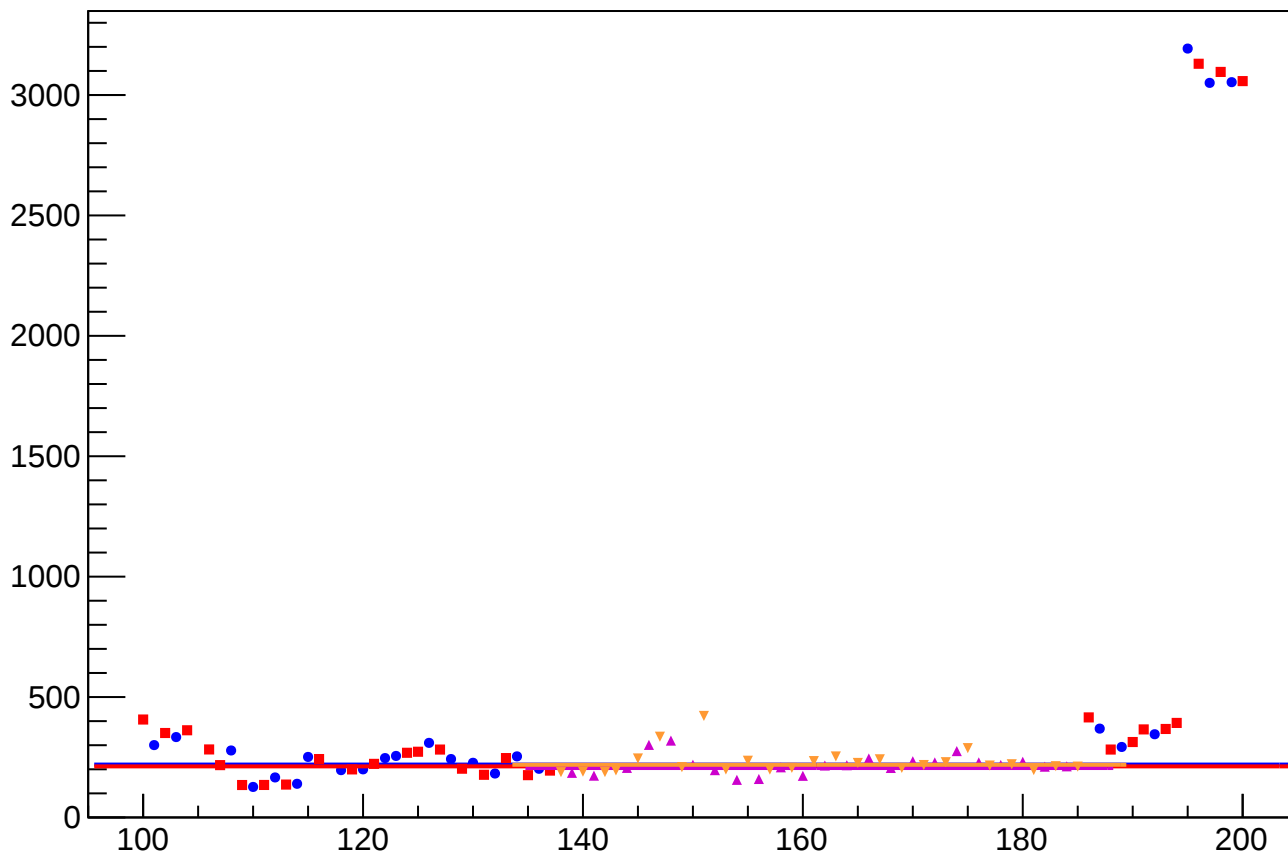
Left In: -340.502+/-50.802 χ^2/NDF :1201.8/22

+ sign 323.302+/-43.550 χ^2/NDF : 3001.6/47

All: -3.894+/-29.898 χ^2/NDF : 7945.9/98

- sign -295.577+/-41.119 χ^2/NDF : 4837.6/50

asym_bpm0l06WS_rms vs Slug



Right In: 219.621 $\pm$ 0.056 χ^2 /NDF: 5380141.6/22

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 212.097 $\pm$ 0.050 χ^2 /NDF: 6571083.1/27

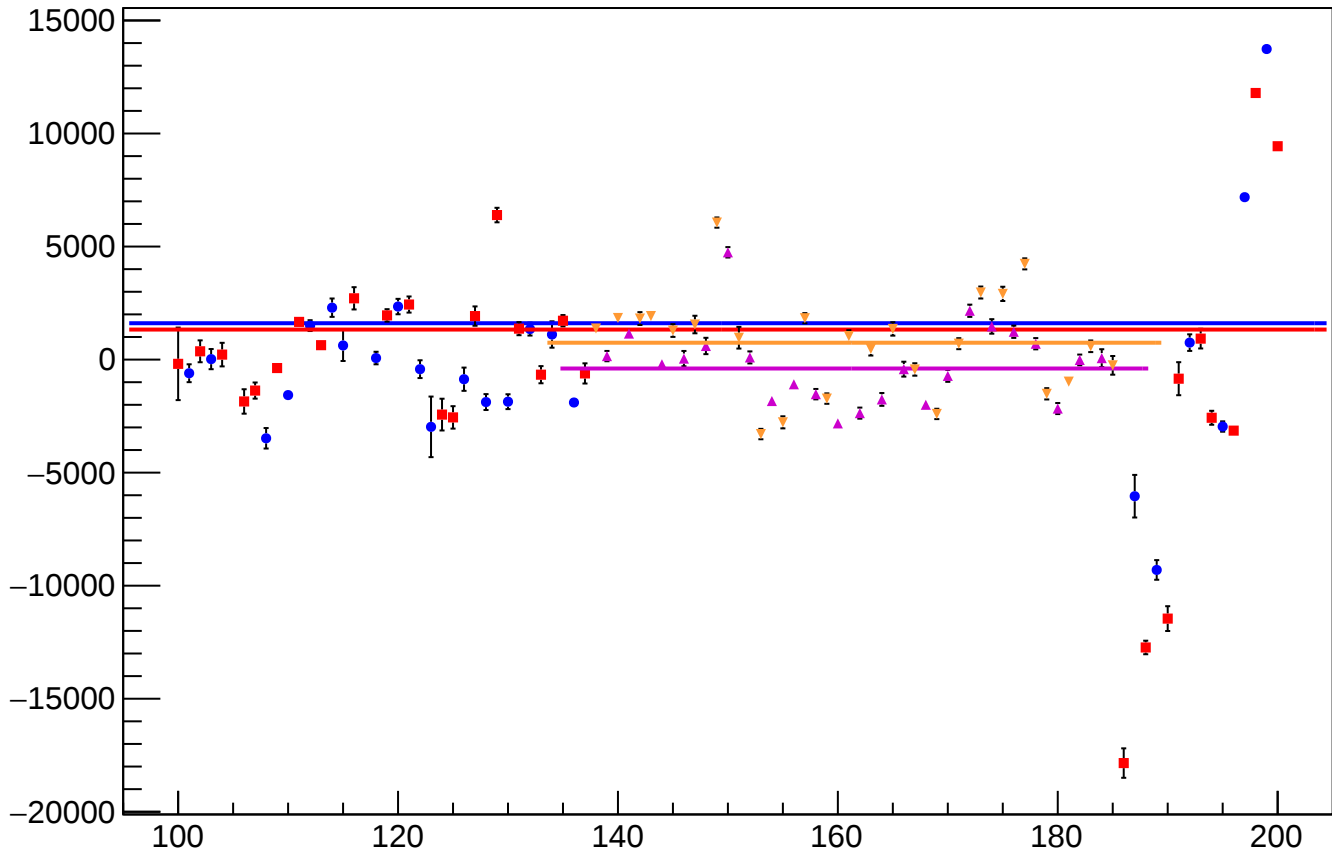
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 219.027 $\pm$ 0.031 χ^2 /NDF: 6277217.9/47

All: 212.991 $\pm$ 0.021 χ^2 /NDF: 13930658.0/98

- sign 207.611 $\pm$ 0.029 χ^2 /NDF: 7580785.0/50

asym_bpm0l07WS_mean vs Slug



Right In: 1608.685 $\pm$ 65.442 χ^2 /NDF: 6755.3/22

Left Out: 746.405 $\pm$ 51.592 χ^2 /NDF:1942.1/24

Right Out: 1328.428 $\pm$ 59.093 χ^2 /NDF: 9025.6/27

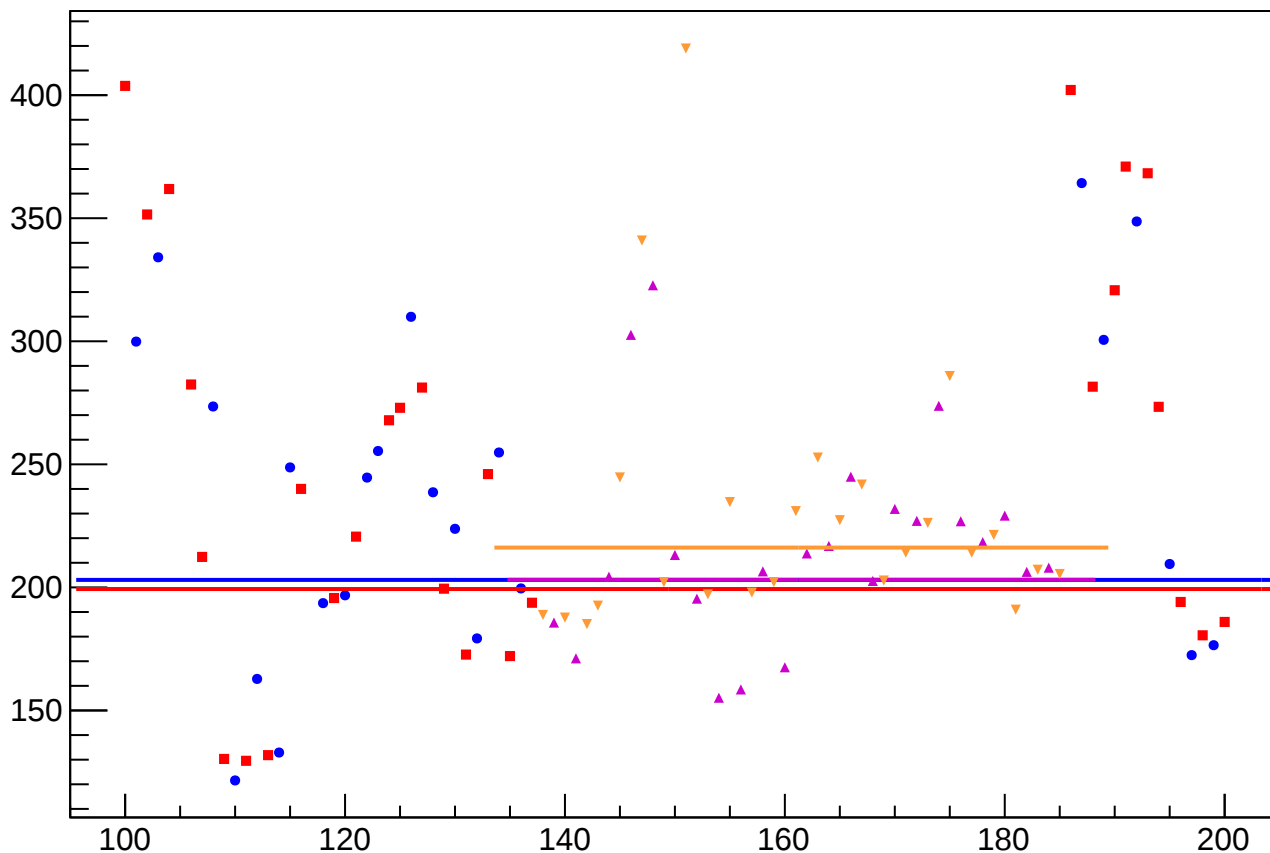
Left In: -394.379 $\pm$ 50.311 χ^2 /NDF:1236.4/22

+ sign 1076.910 $\pm$ 40.515 χ^2 /NDF: 8804.5/47

All: 682.356 $\pm$ 27.835 χ^2 /NDF: 19738.9/98

- sign 329.628 $\pm$ 38.308 χ^2 /NDF: 10754.8/50

asym_bpm0l07WS_rms vs Slug



Right In: 203.049 $\pm$ 0.046 χ^2 /NDF: 1501199.5/22

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF: 946050.8/24

Right Out: 199.339 $\pm$ 0.042 χ^2 /NDF: 2432655.9/27

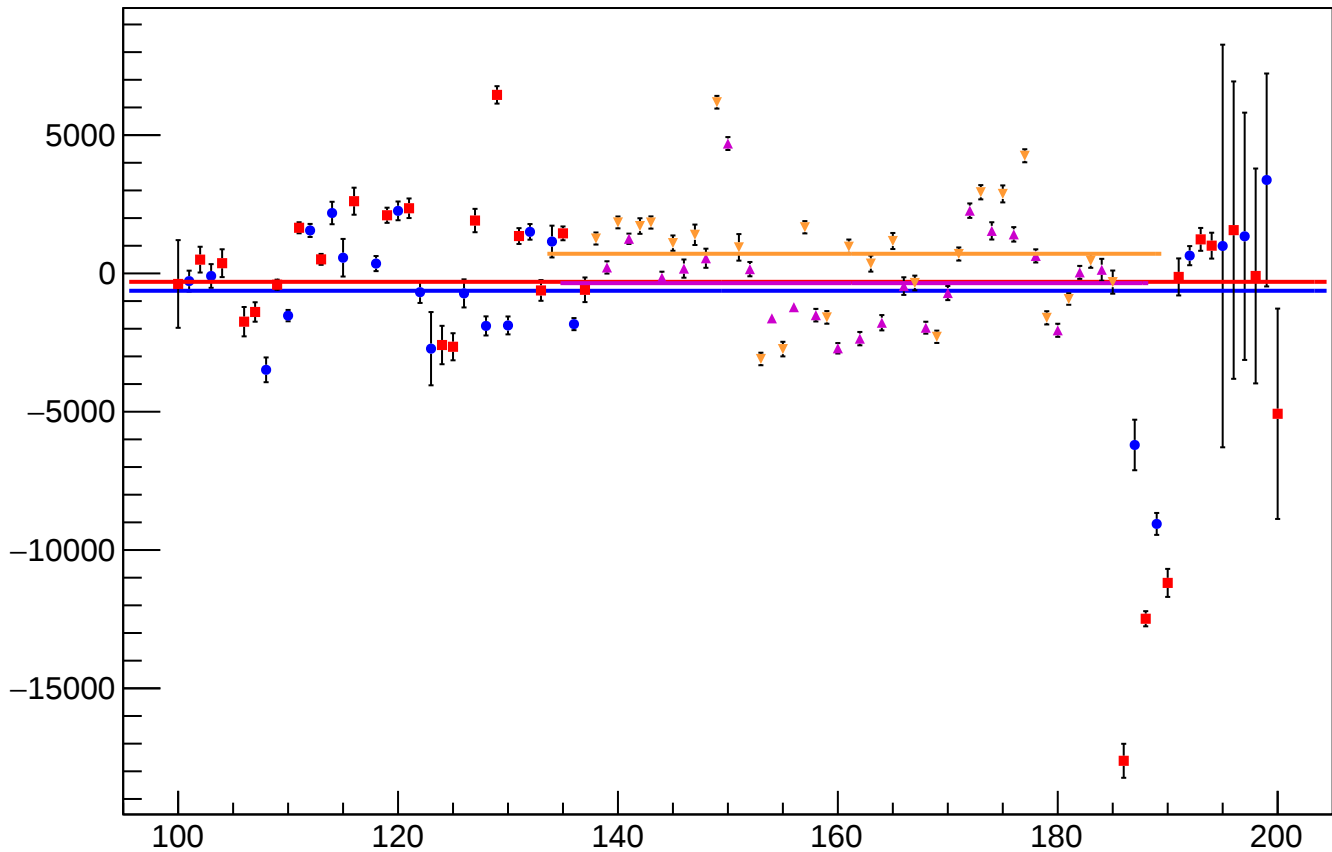
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 211.146 $\pm$ 0.029 χ^2 /NDF: 2496890.0/47

All: 206.064 $\pm$ 0.020 χ^2 /NDF: 6031861.5/98

- sign 201.520 $\pm$ 0.027 χ^2 /NDF: 3475366.7/50

asym_bpm0l08WS_mean vs Slug



Right In: -627.559 ± 76.489 $\chi^2/\text{NDF}: 916.0/22$

Left Out: 710.238 ± 50.750 $\chi^2/\text{NDF}: 1932.3/24$

Right Out: -303.895 ± 67.147 $\chi^2/\text{NDF}: 4162.9/27$

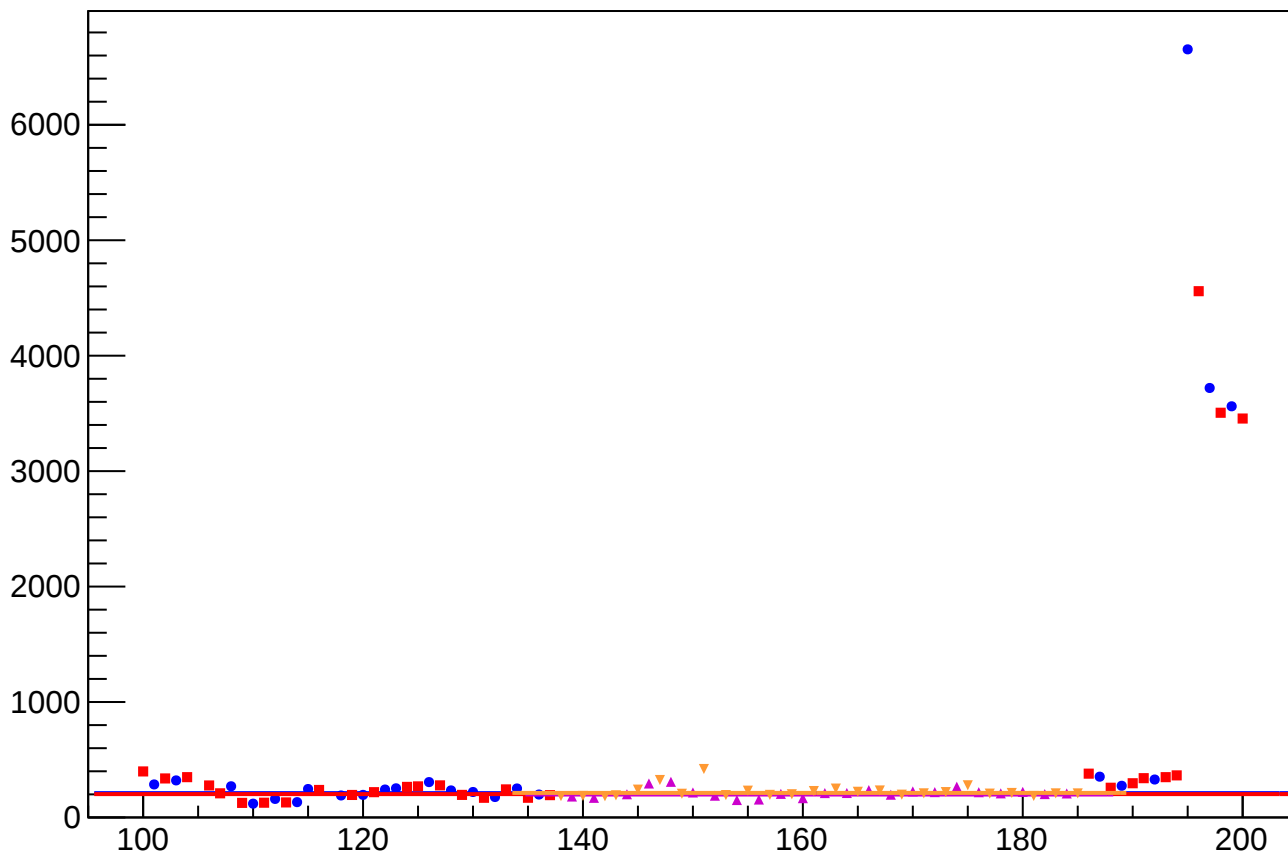
Left In: -352.432 ± 49.316 $\chi^2/\text{NDF}: 1233.1/22$

+ sign 301.318 ± 42.289 $\chi^2/\text{NDF}: 3060.7/47$

All: -36.758 ± 28.962 $\chi^2/\text{NDF}: 8577.3/98$

- sign -335.424 ± 39.748 $\chi^2/\text{NDF}: 5396.3/50$

asym_bpm0l08WS_rms vs Slug



Right In: 210.656 $\pm$ 0.054 χ^2 /NDF: 5615545.1/22

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 202.167 $\pm$ 0.047 χ^2 /NDF: 6636298.7/27

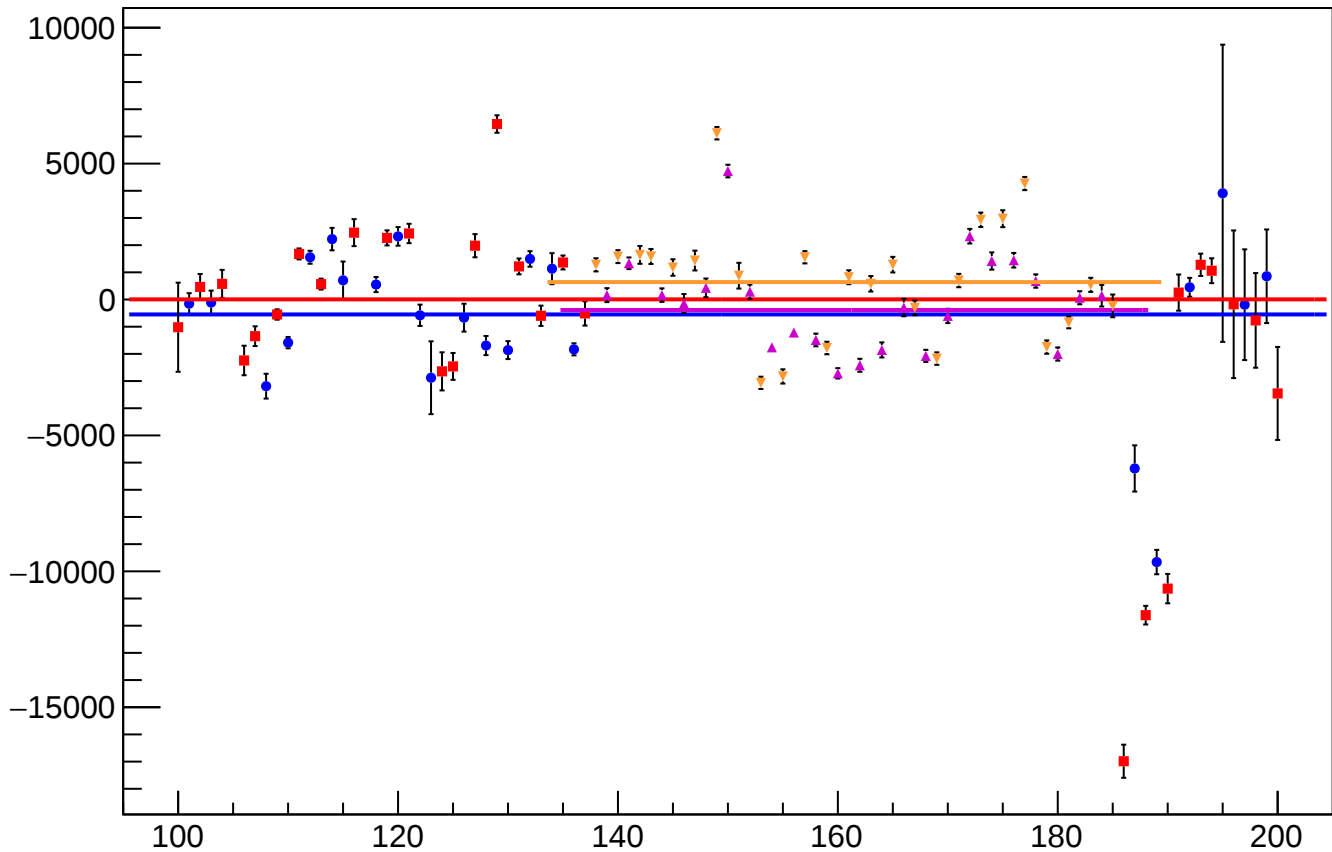
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 212.088 $\pm$ 0.030 χ^2 /NDF: 6532780.7/47

All: 205.777 $\pm$ 0.020 χ^2 /NDF: 14241537.6/98

- sign 200.202 $\pm$ 0.028 χ^2 /NDF: 7624867.3/50

asym_bpm0l09WS_mean vs Slug



Right In: -549.068 ± 77.730 χ^2/NDF : 860.3/22

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: 5.705 ± 68.974 χ^2/NDF : 3100.2/27

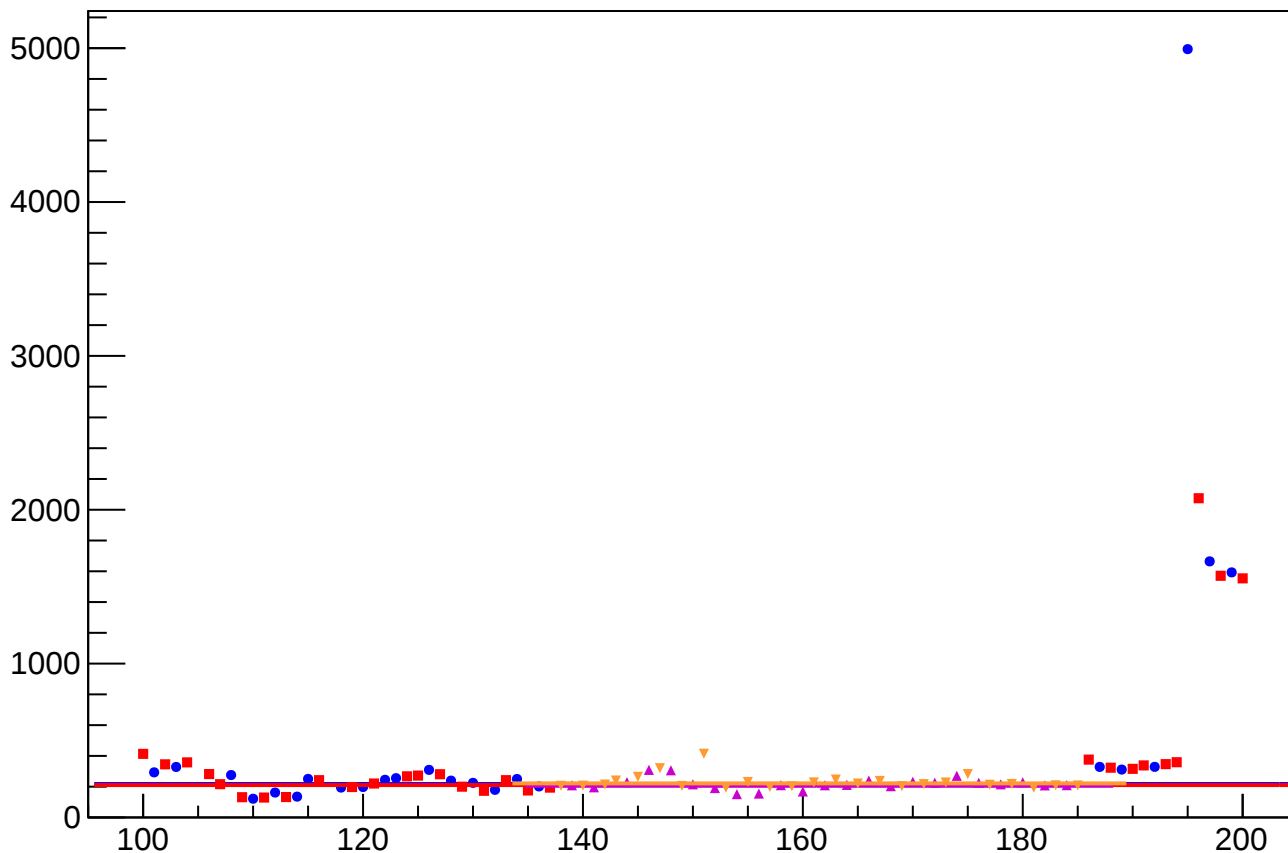
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 265.463 ± 43.625 χ^2/NDF : 2879.9/47

All: -7.006 ± 29.878 χ^2/NDF : 7312.5/98

- sign -247.727 ± 41.004 χ^2/NDF : 4359.1/50

asym_bpm0l09WS_rms vs Slug



Right In: 217.084 $\pm$ 0.055 χ^2 /NDF: 5144979.6/22

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 210.538 $\pm$ 0.049 χ^2 /NDF: 5900409.2/27

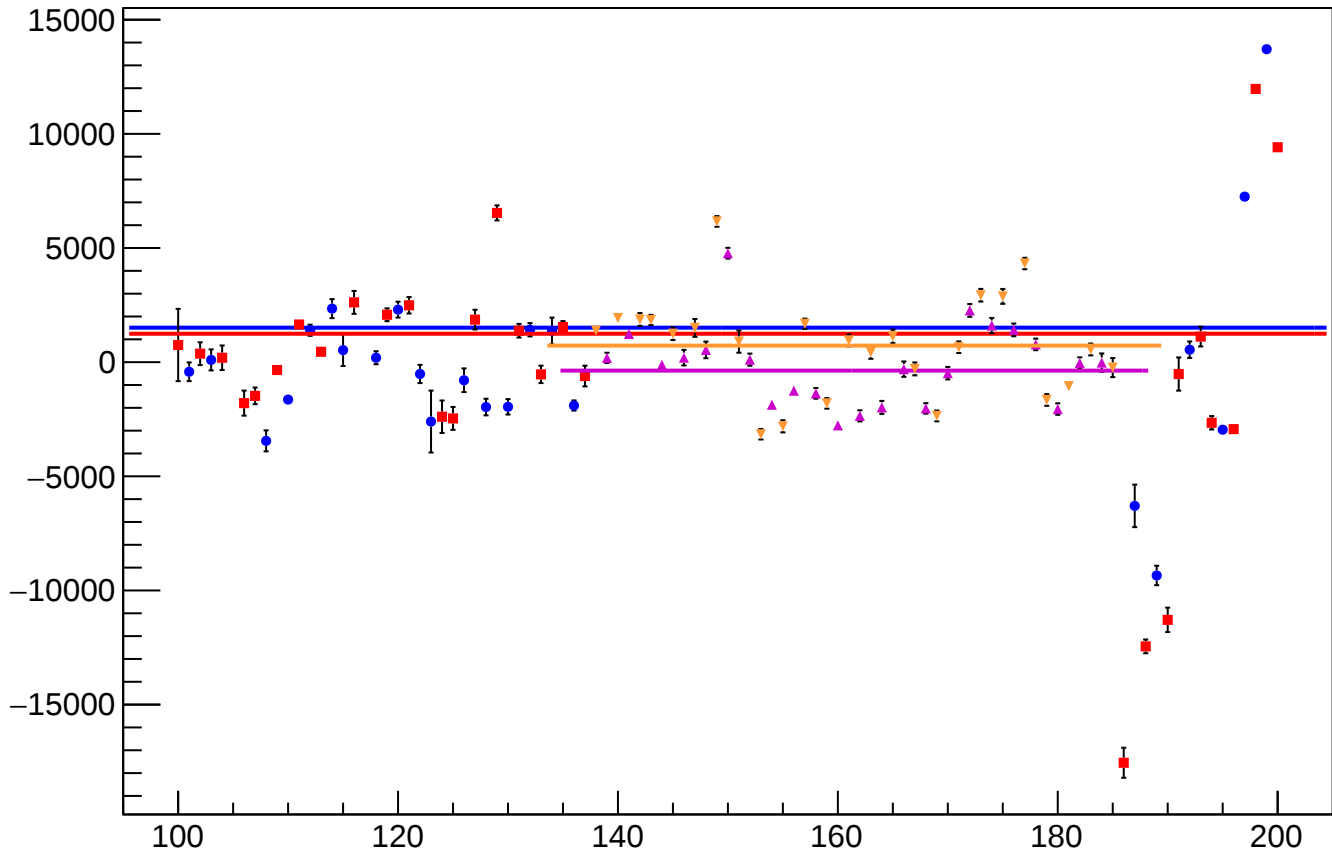
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 220.039 $\pm$ 0.031 χ^2 /NDF: 5927033.6/47

All: 213.369 $\pm$ 0.021 χ^2 /NDF: 12916497.0/98

- sign 207.477 $\pm$ 0.029 χ^2 /NDF: 6901406.1/50

asym_bpm0l10WS_mean vs Slug



Right In: 1511.062 $\pm$ 66.226 χ^2 /NDF: 6597.6/22

Left Out: 725.250 $\pm$ 52.307 χ^2 /NDF:1883.1/24

Right Out: 1244.690 $\pm$ 60.129 χ^2 /NDF: 8668.9/27

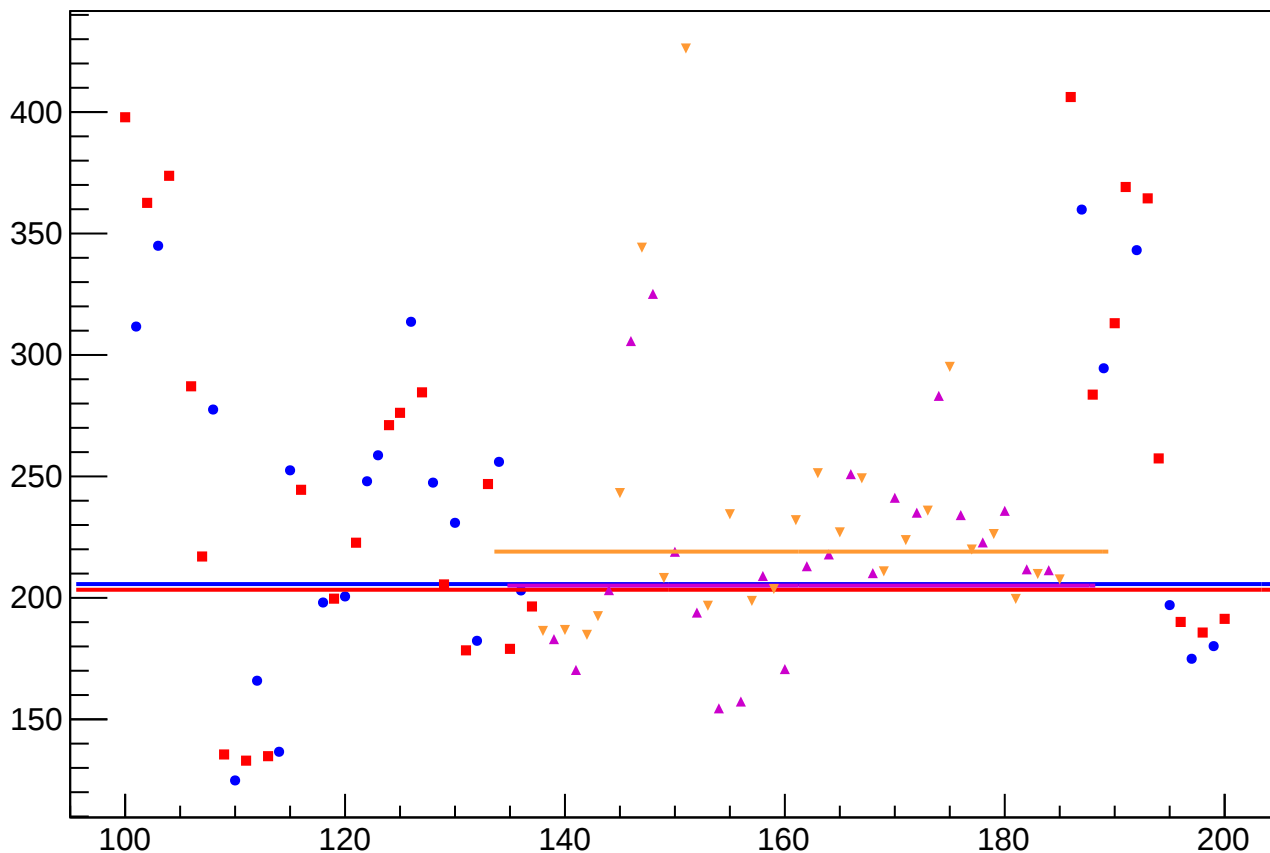
Left In: -370.408 $\pm$ 50.884 χ^2 /NDF:1223.2/22

+ sign 1027.139 $\pm$ 41.048 χ^2 /NDF: 8567.5/47

All: 645.397 $\pm$ 28.213 χ^2 /NDF: 19043.9/98

- sign 303.570 $\pm$ 38.843 χ^2 /NDF: 10312.5/50

asym_bpm0l10WS_rms vs Slug



Right In: 205.679 $\pm$ 0.047 χ^2 /NDF: 1456410.0/22

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF: 975564.4/24

Right Out: 203.346 $\pm$ 0.043 χ^2 /NDF: 2281966.6/27

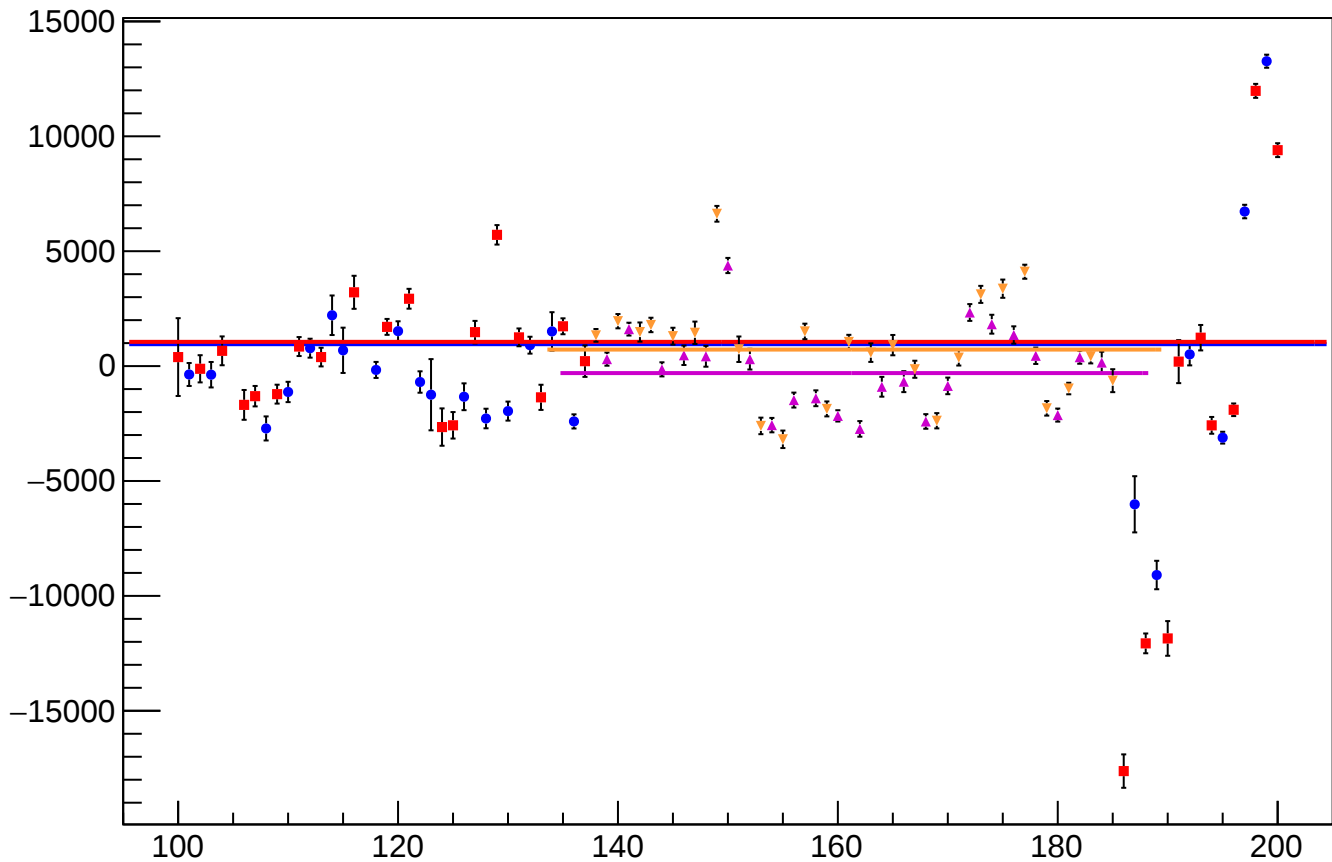
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF: 1144197.1/22

+ sign 213.912 $\pm$ 0.029 χ^2 /NDF: 2482173.1/47

All: 208.860 $\pm$ 0.020 χ^2 /NDF: 5966688.6/98

- sign 204.337 $\pm$ 0.027 χ^2 /NDF: 3427096.1/50

asym_bpm0r03WS_mean vs Slug



Right In: 953.313 $\pm$ 90.038 χ^2 /NDF: 3160.3/22

Left Out: 718.705 $\pm$ 69.601 χ^2 /NDF:1018.5/24

Right Out: 1055.409 $\pm$ 85.332 χ^2 /NDF: 4468.2/27

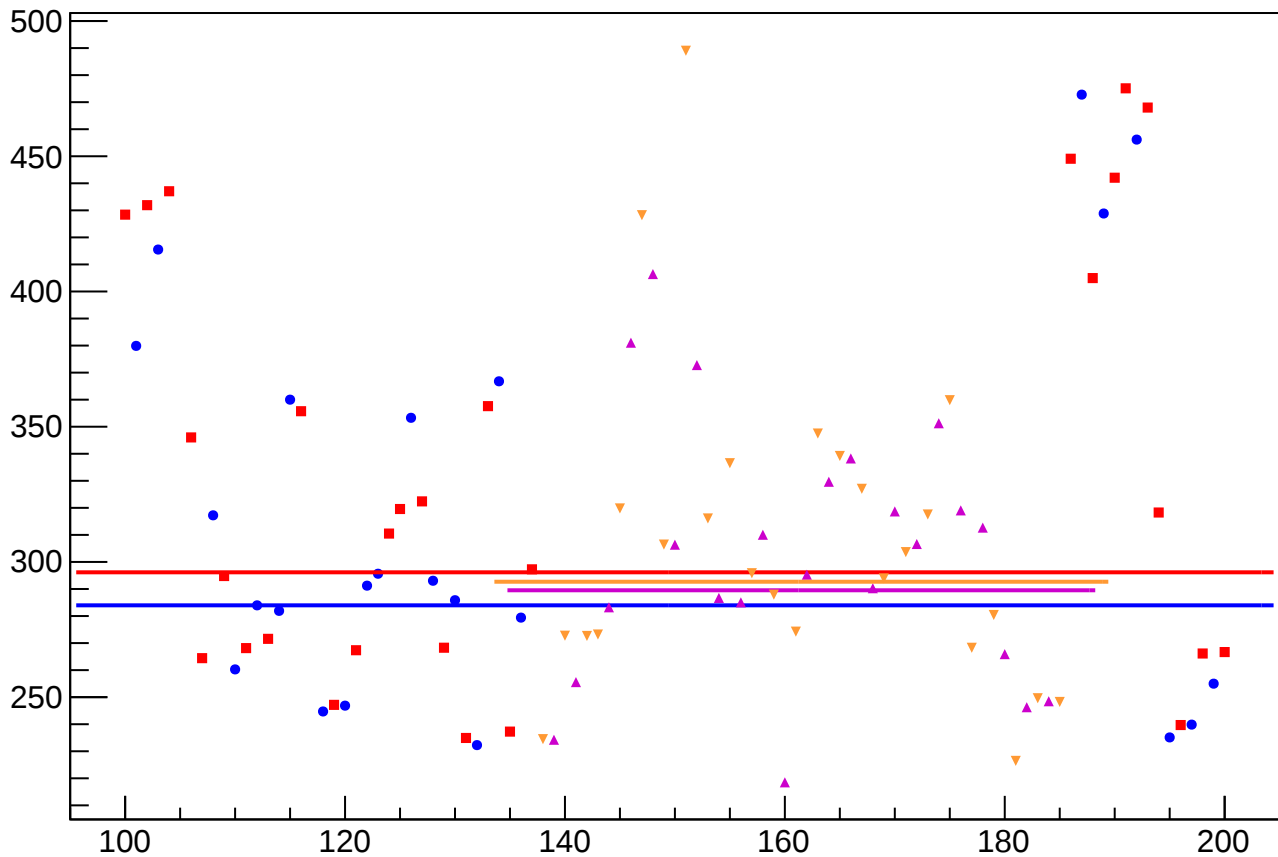
Left In: -304.161 $\pm$ 70.958 χ^2 /NDF:643.5/22

+ sign 806.458 $\pm$ 55.066 χ^2 /NDF: 4183.1/47

All: 526.475 $\pm$ 38.757 χ^2 /NDF: 9496.1/98

- sign 251.626 $\pm$ 54.559 χ^2 /NDF: 5261.8/50

asym_bpm0r03WS_rms vs Slug



Right In: 283.959 $\pm$ 0.064 χ^2 /NDF: 894790.3/22

Left Out: 292.686 $\pm$ 0.049 χ^2 /NDF: 925193.6/24

Right Out: 296.165 $\pm$ 0.060 χ^2 /NDF: 1157656.6/27

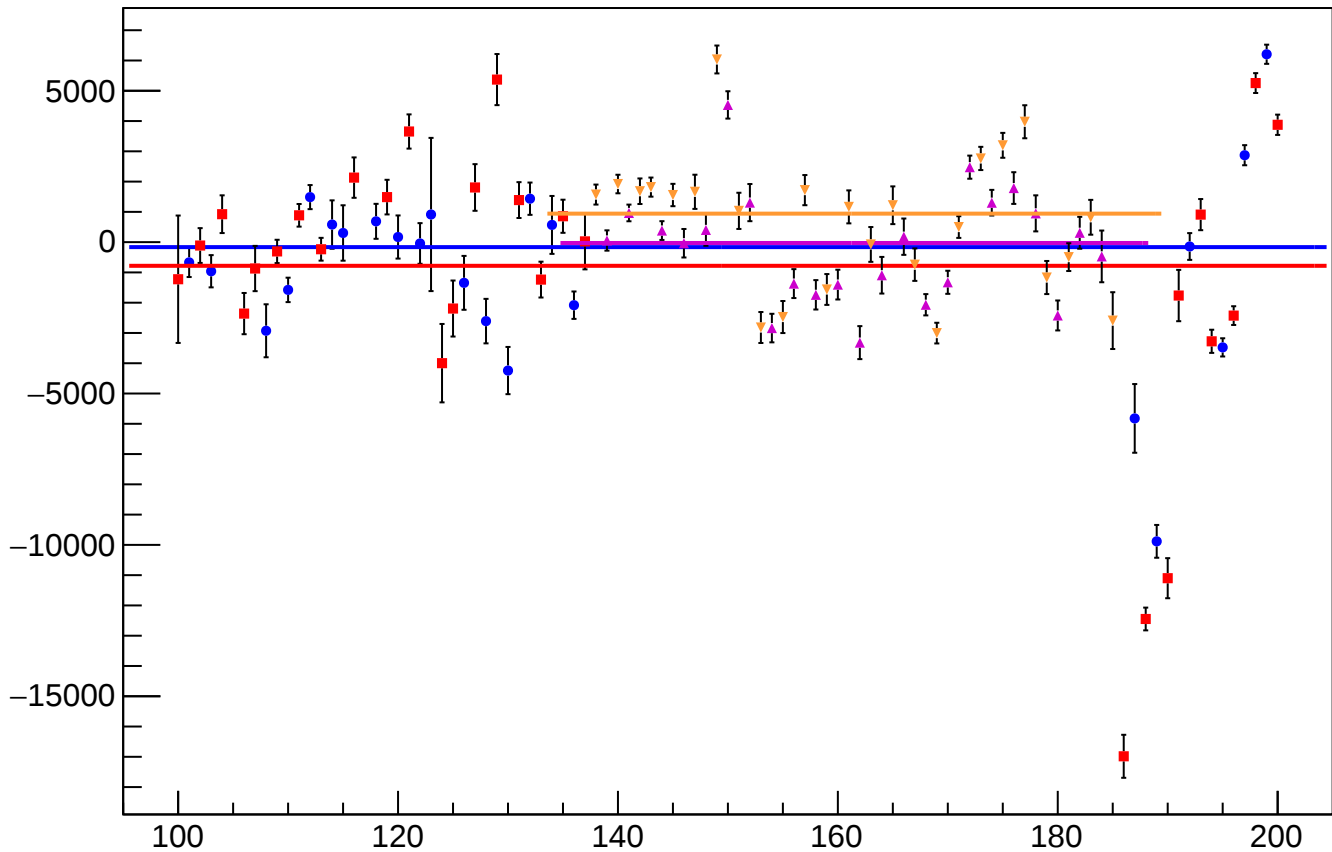
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 289.422 $\pm$ 0.039 χ^2 /NDF: 1831745.1/47

All: 290.843 $\pm$ 0.027 χ^2 /NDF: 3777109.5/98

- sign 292.238 $\pm$ 0.039 χ^2 /NDF: 1942725.1/50

asym_bpm0r05WS_mean vs Slug



Right In: -164.281 ± 108.260 $\chi^2/\text{NDF}: 1070.6/22$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -781.641 ± 97.004 $\chi^2/\text{NDF}: 2573.2/27$

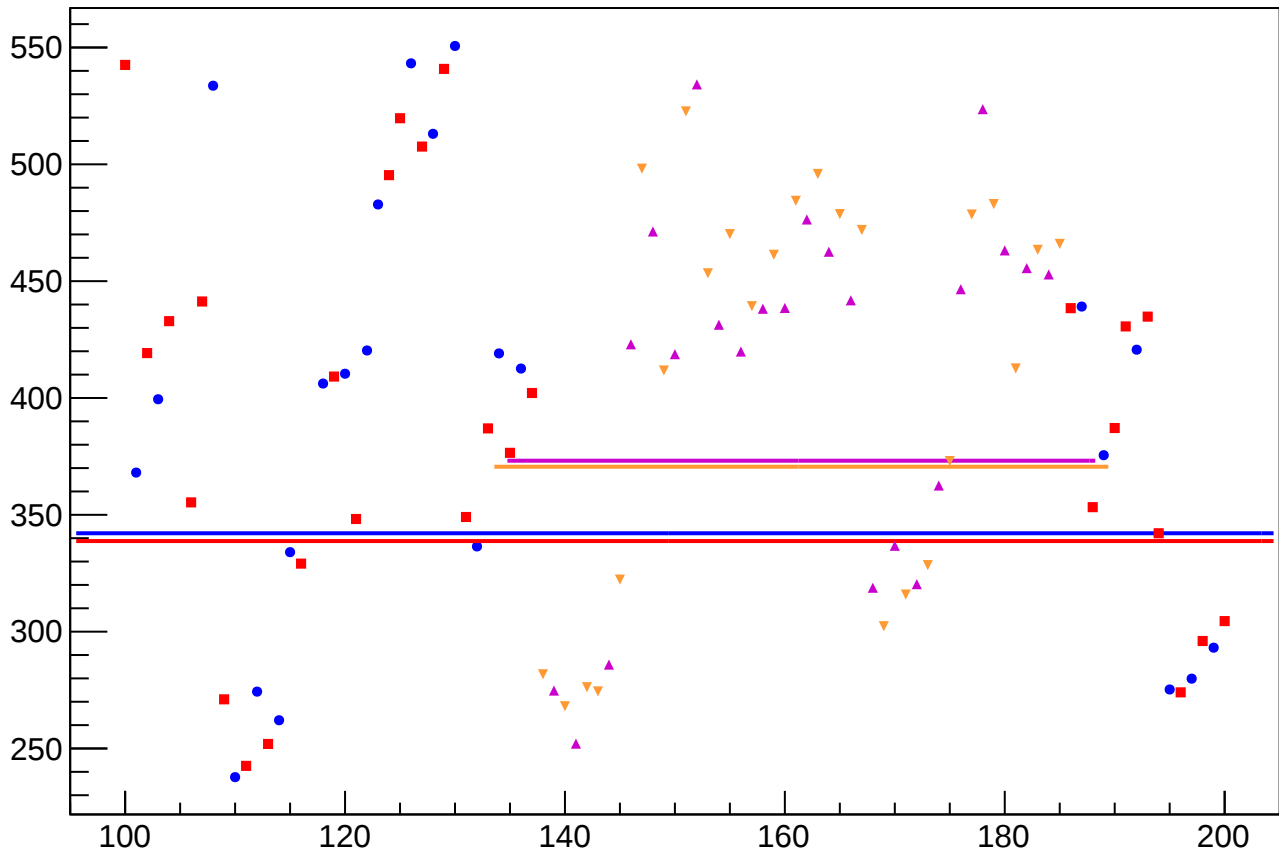
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign 494.905 ± 68.805 $\chi^2/\text{NDF}: 1677.4/47$

All: 41.896 ± 47.957 $\chi^2/\text{NDF}: 4729.1/98$

- sign -386.106 ± 66.879 $\chi^2/\text{NDF}: 2967.5/50$

asym_bpm0r05WS_rms vs Slug



Right In: 342.111+/-0.077 χ^2/NDF : 1130656.6/22

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 338.771+/-0.069 χ^2/NDF : 1112940.3/27

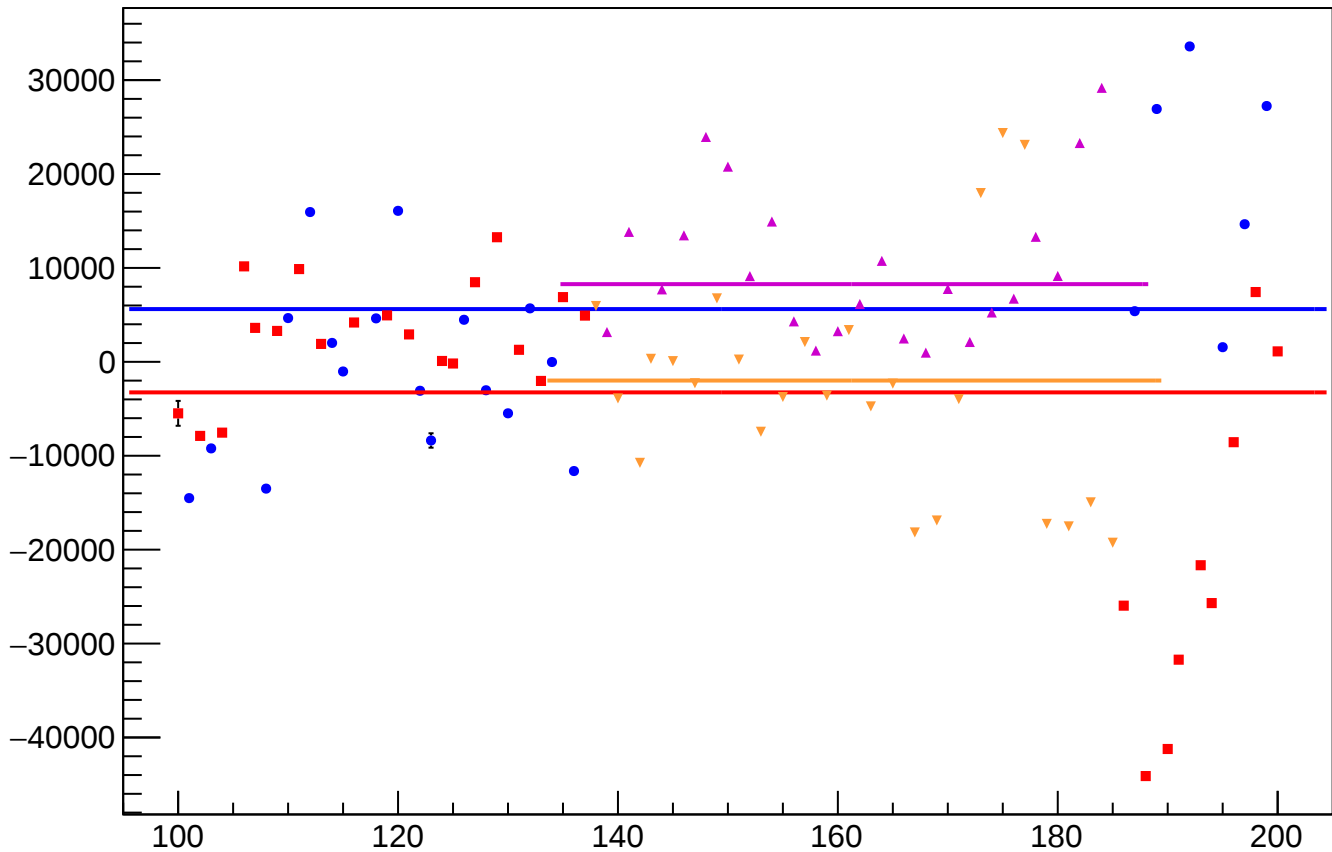
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 359.080+/-0.049 χ^2/NDF : 3091212.6/47

All: 357.915+/-0.034 χ^2/NDF : 5973394.5/98

- sign 356.814+/-0.047 χ^2/NDF : 2881066.3/50

asym_bpm0i02WS_mean vs Slug



Right In: 5617.589+/-46.600 χ^2/NDF : 84643.8/22

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -3253.539+/-42.610 χ^2/NDF : 130815.7/27

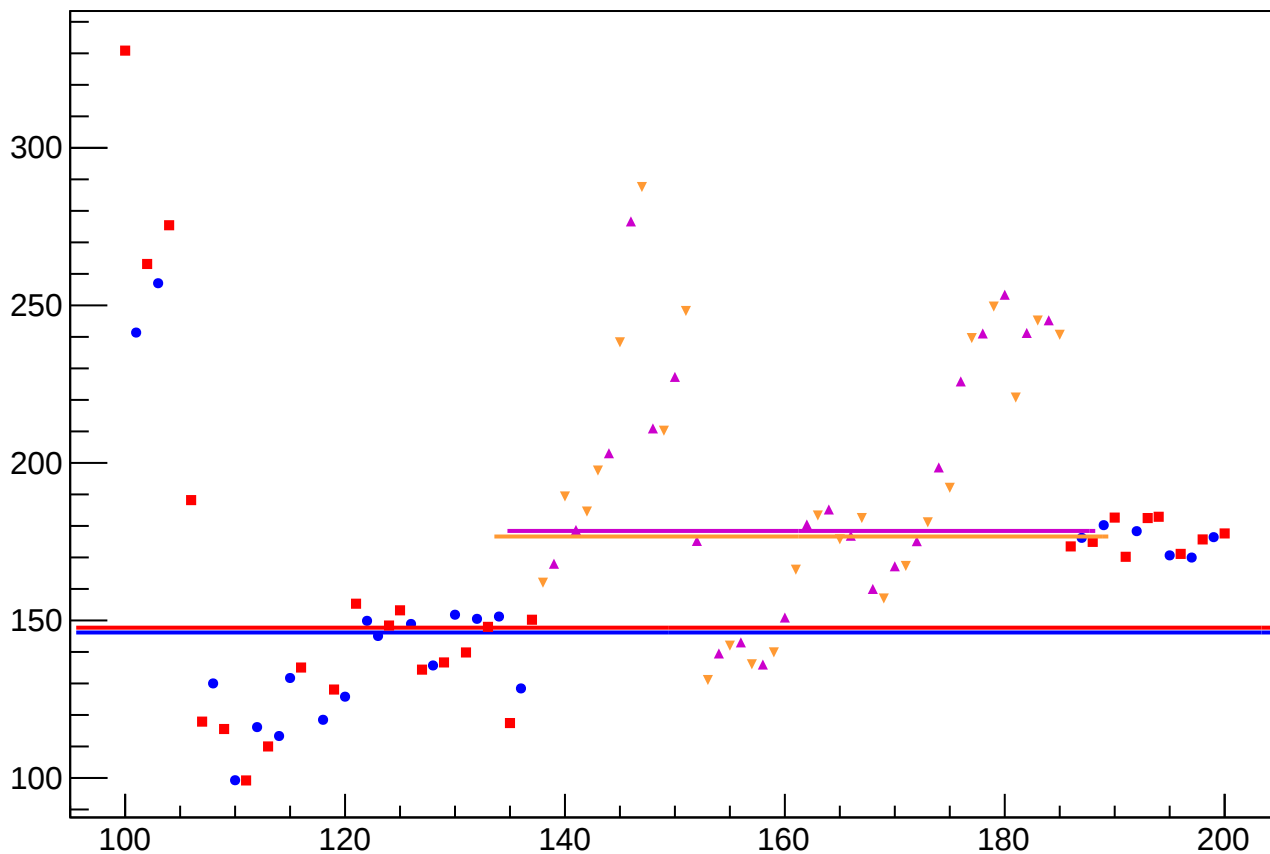
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 1456.999+/-31.372 χ^2/NDF : 162989.7/47

All: 1880.149+/-21.946 χ^2/NDF : 352198.3/98

- sign 2285.637+/-30.710 χ^2/NDF : 188852.3/50

asym_bpm0i02WS_rms vs Slug



Right In: 146.178 $\pm$ 0.033 χ^2 /NDF: 953080.5/22

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 147.708 $\pm$ 0.030 χ^2 /NDF: 1319388.3/27

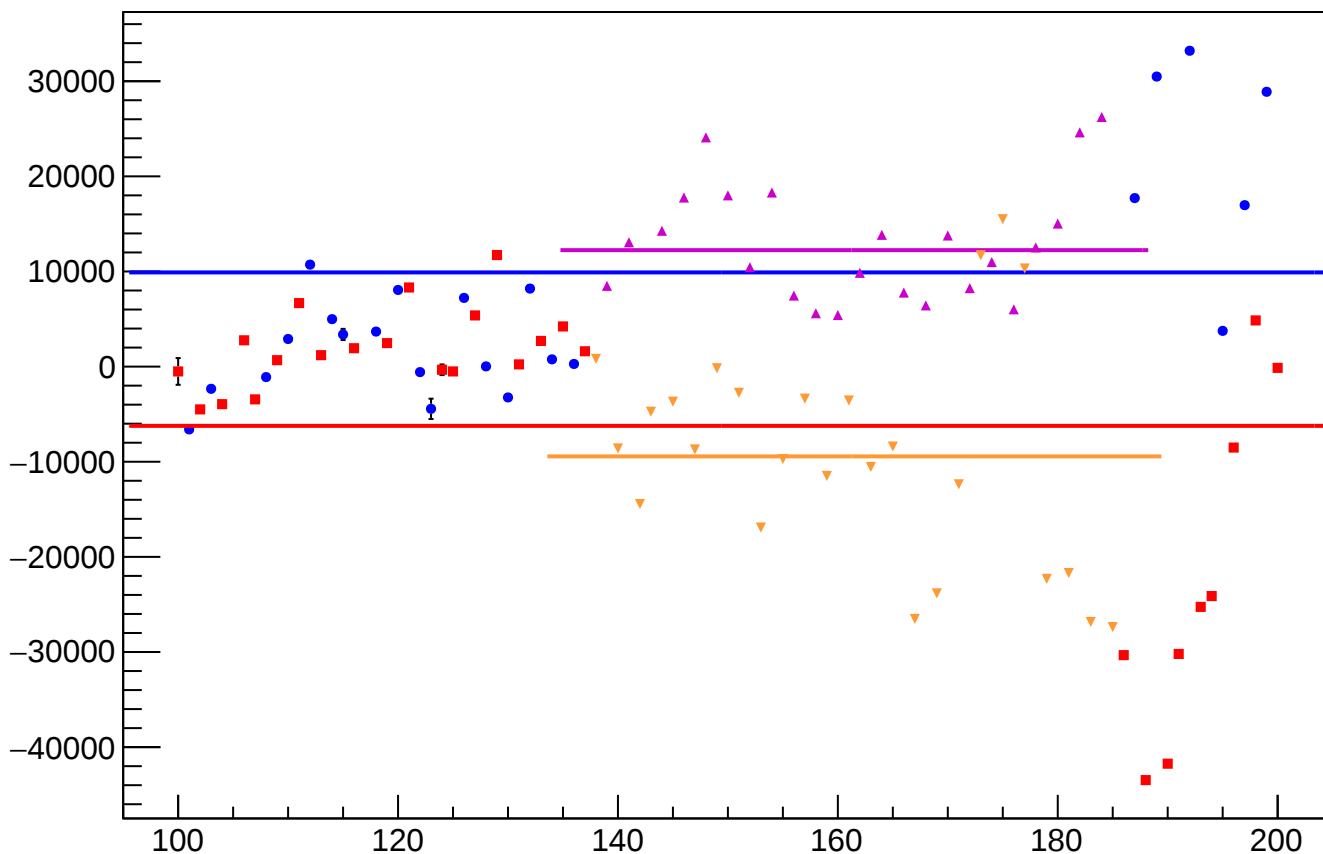
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 162.834 $\pm$ 0.022 χ^2 /NDF: 2971446.5/47

All: 162.645 $\pm$ 0.016 χ^2 /NDF: 6083787.9/98

- sign 162.463 $\pm$ 0.022 χ^2 /NDF: 3112198.9/50

asym_bpm0i02aWS_mean vs Slug



Right In: 9901.850 ± 55.305 $\chi^2/\text{NDF}: 45562.5/22$

Left Out: -9437.408 ± 45.534 $\chi^2/\text{NDF}: 62220.4/24$

Right Out: -6227.070 ± 49.306 $\chi^2/\text{NDF}: 101471.9/27$

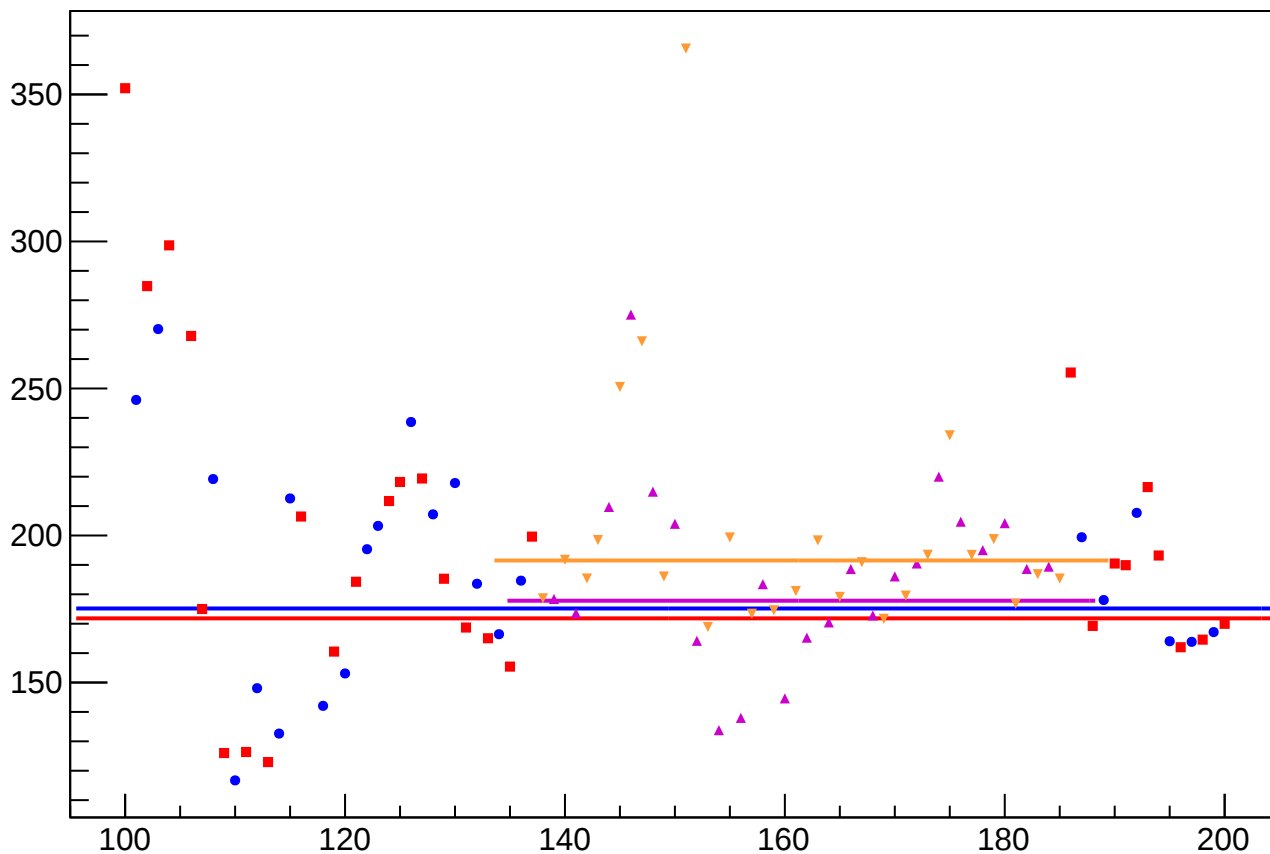
Left In: 12242.226 ± 43.944 $\chi^2/\text{NDF}: 16615.8/22$

+ sign -1624.244 ± 35.153 $\chi^2/\text{NDF}: 180659.6/47$

All: 1417.180 ± 23.984 $\chi^2/\text{NDF}: 390950.0/96$

- sign 4066.054 ± 32.806 $\chi^2/\text{NDF}: 196285.1/50$

asym_bpm0i02aWS_rms vs Slug



Right In: 175.178 $\pm$ 0.039 χ^2/NDF : 755290.1/22

Left Out: 191.507 $\pm$ 0.032 χ^2/NDF : 727251.6/24

Right Out: 171.817 $\pm$ 0.035 χ^2/NDF : 1123577.3/27

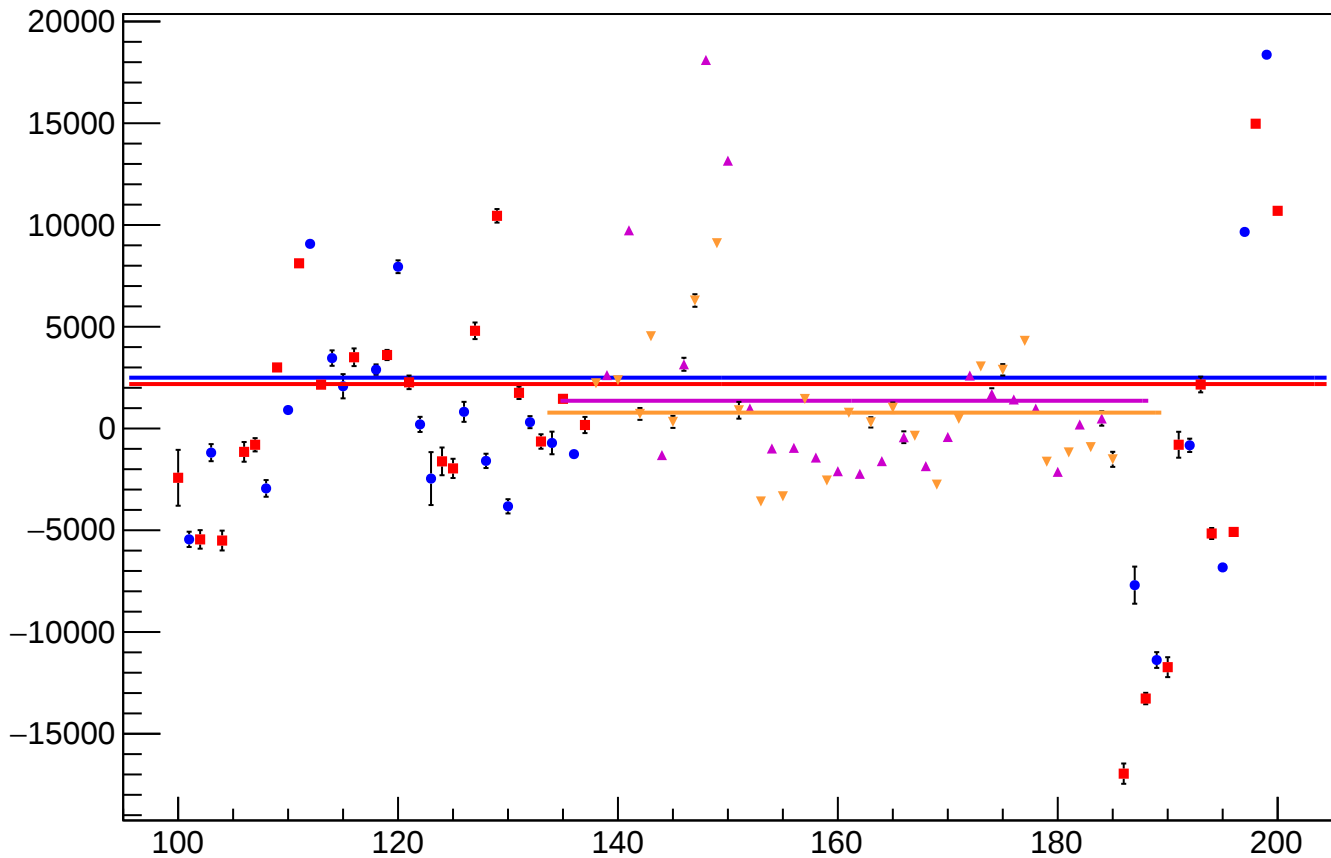
Left In: 177.821 $\pm$ 0.031 χ^2/NDF : 862494.4/22

+ sign 184.910 $\pm$ 0.025 χ^2/NDF : 1586444.9/47

All: 179.700 $\pm$ 0.017 χ^2/NDF : 3671228.7/98

- sign 175.163 $\pm$ 0.023 χ^2/NDF : 2002602.9/50

asym_bpm0i05WS_mean vs Slug



Right In: 2497.583+/-62.240 χ^2/NDF : 14160.6/22

Left Out: 779.983+/-47.457 χ^2/NDF : 4260.8/24

Right Out: 2183.907+/-55.842 χ^2/NDF : 15648.2/27

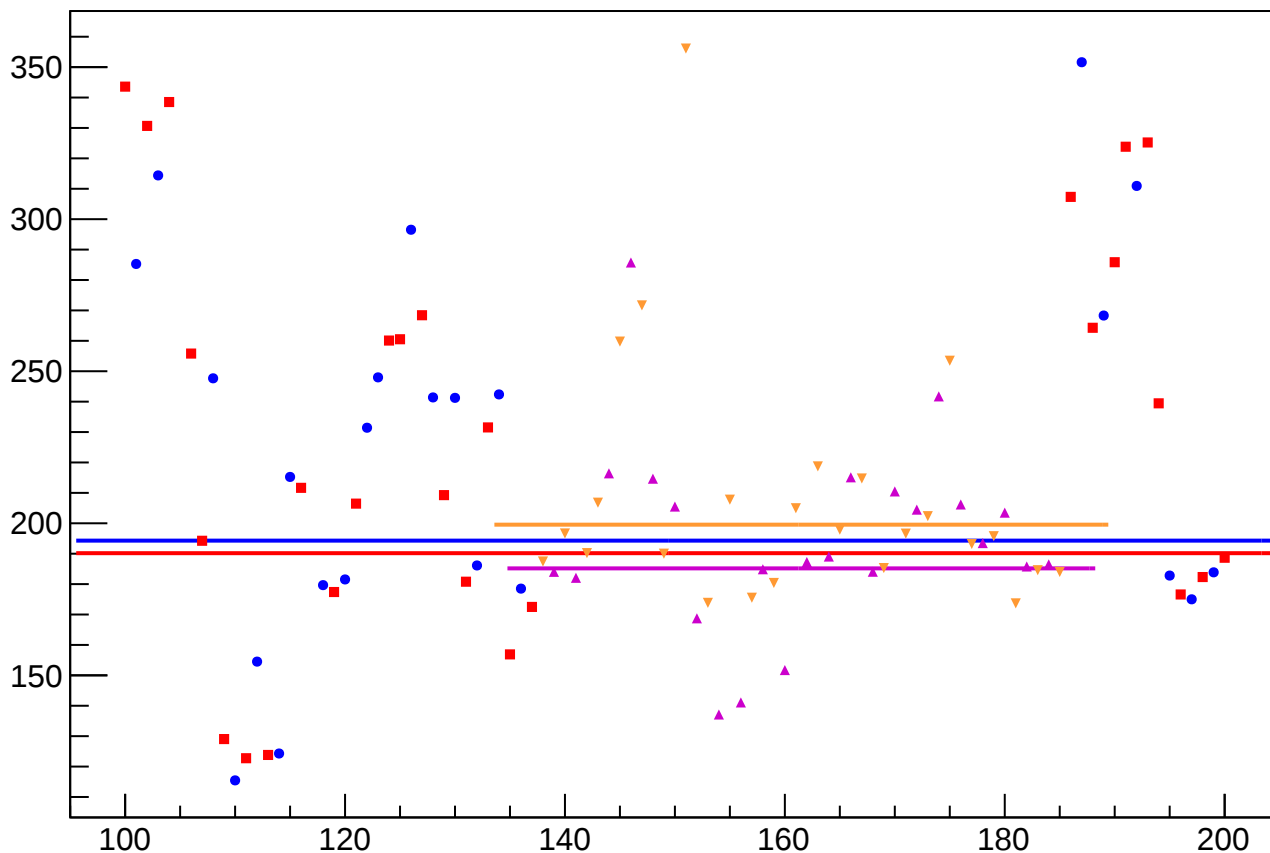
Left In: 1363.043+/-45.807 χ^2/NDF : 11632.9/22

+ sign 1411.451+/-37.738 χ^2/NDF : 18903.0/47

All: 1561.269+/-25.825 χ^2/NDF : 46342.9/98

- sign 1693.214+/-35.416 χ^2/NDF : 27410.2/50

asym_bpm0i05WS_rms vs Slug



Right In: 194.298+/-0.044 χ^2/NDF : 1400575.2/22

Left Out: 199.547+/-0.034 χ^2/NDF : 729356.3/24

Right Out: 190.171+/-0.039 χ^2/NDF : 2127564.8/27

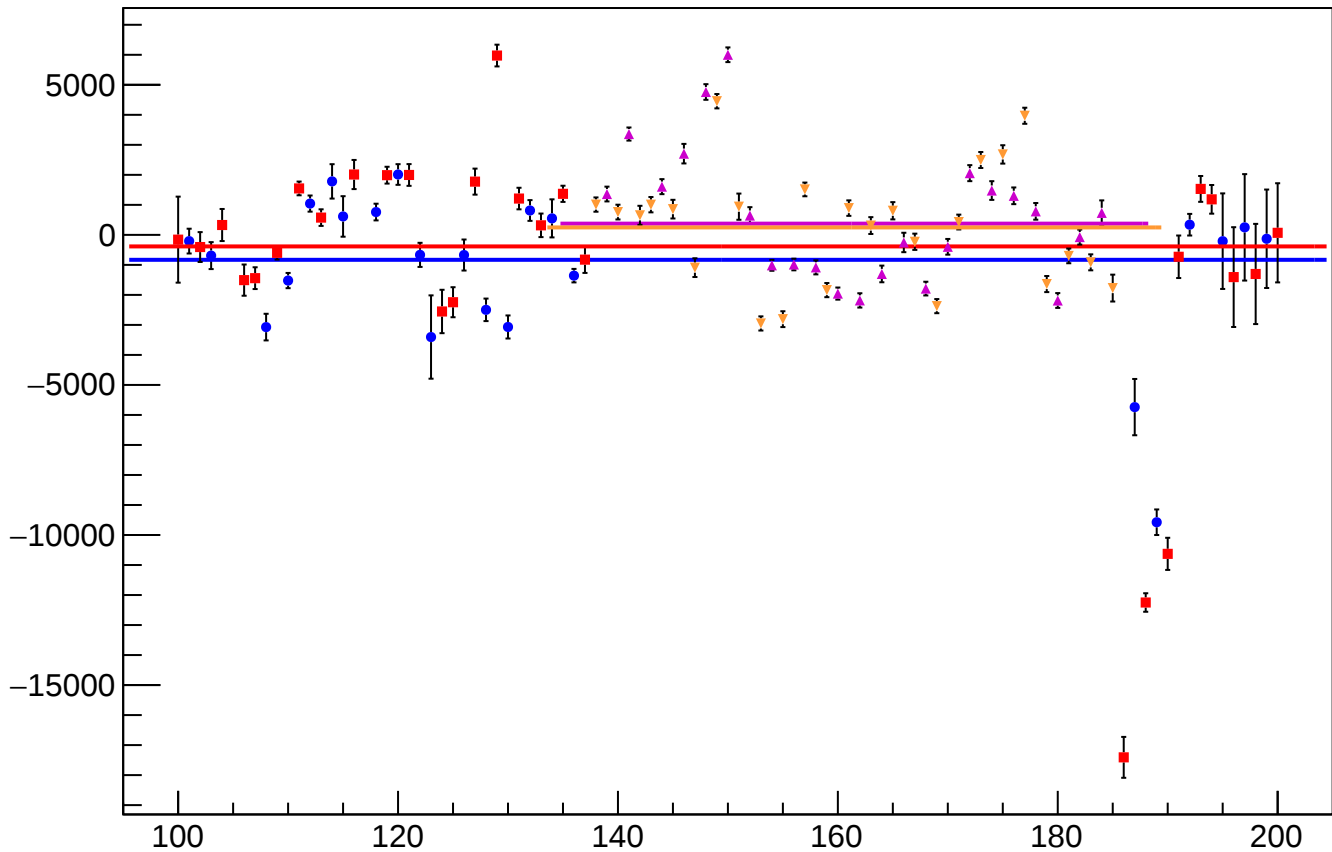
Left In: 185.171+/-0.032 χ^2/NDF : 882752.2/22

+ sign 197.617+/-0.027 χ^2/NDF : 2138924.9/47

All: 192.068+/-0.018 χ^2/NDF : 5240141.4/98

- sign 187.182+/-0.025 χ^2/NDF : 3019901.9/50

asym_bpm0i07WS_mean vs Slug



Right In: -830.917 ± 83.834 χ^2/NDF : 760.2/22

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -384.595 ± 75.185 χ^2/NDF : 3162.5/27

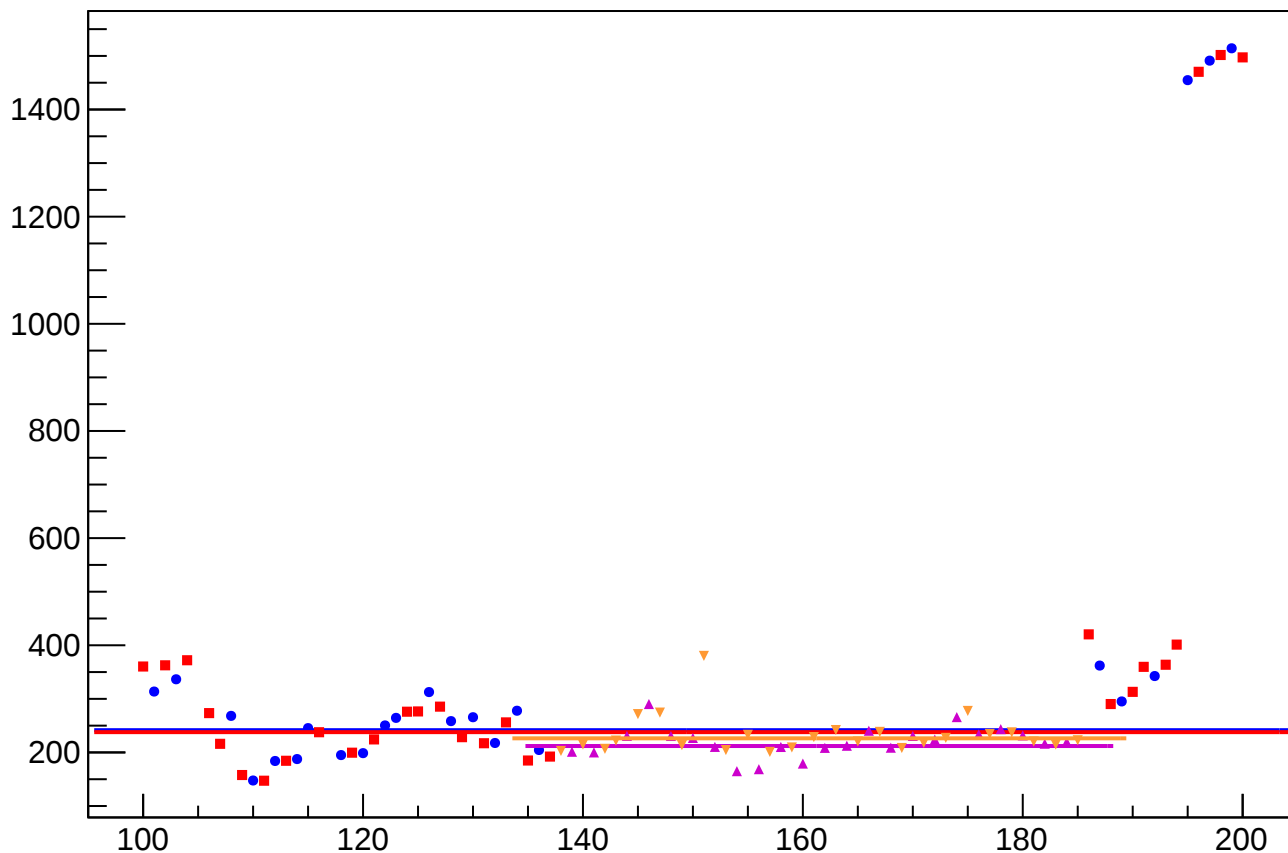
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -64.799 ± 45.132 χ^2/NDF : 2232.8/47

All: 36.885 ± 31.054 χ^2/NDF : 7274.9/98

- sign 128.311 ± 42.795 χ^2/NDF : 5032.4/50

asym_bpm0i07WS_rms vs Slug



Right In: 241.526+/-0.059 χ^2/NDF : 4330580.1/22

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 237.875+/-0.053 χ^2/NDF : 5232058.0/27

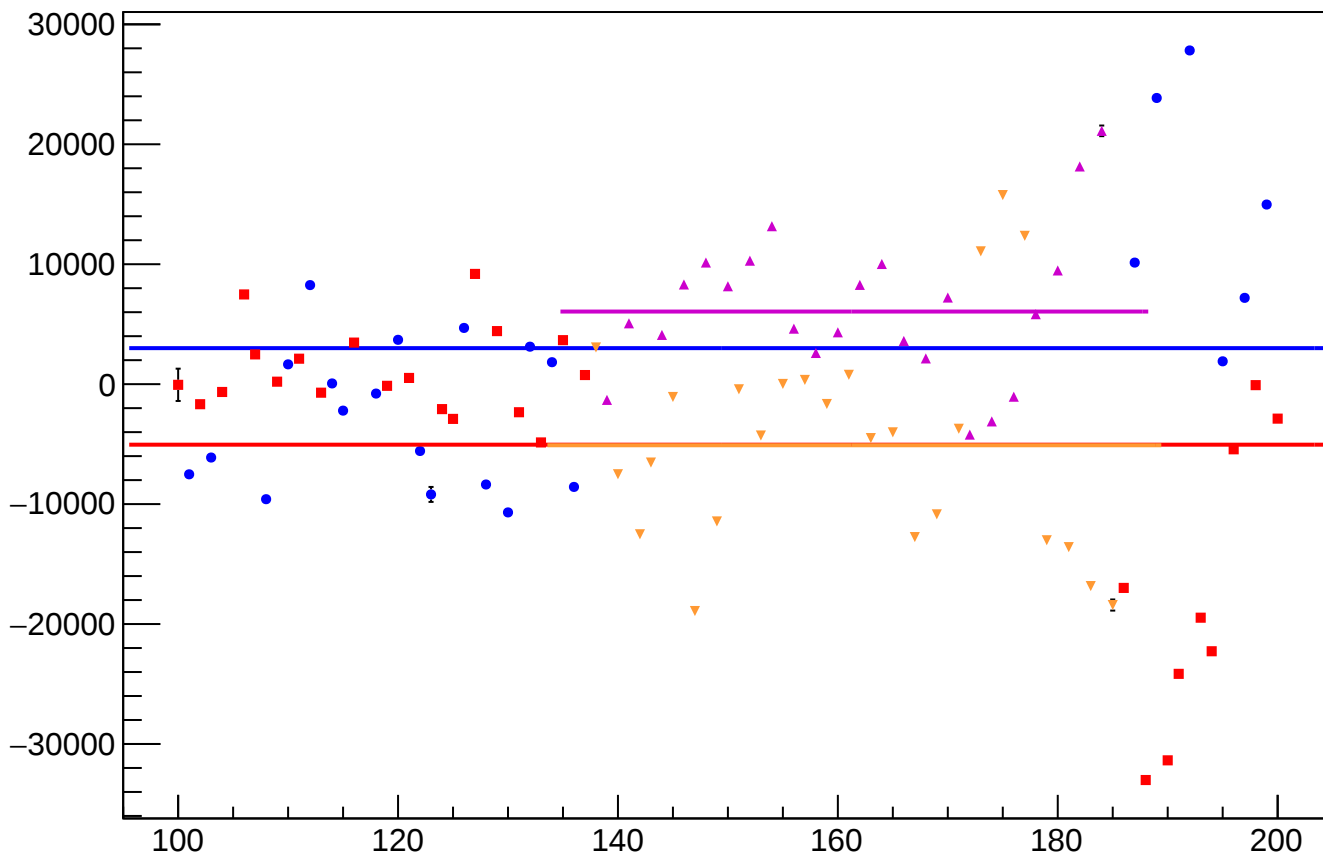
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 230.728+/-0.032 χ^2/NDF : 4898338.9/47

All: 225.270+/-0.022 χ^2/NDF : 10930792.1/98

- sign 220.363+/-0.030 χ^2/NDF : 5976903.7/50

asym_bpm1i02WS_mean vs Slug



Right In: 3003.187 ± 39.624 $\chi^2/\text{NDF}: 73140.8/22$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

Right Out: -5046.017 ± 35.902 $\chi^2/\text{NDF}: 100837.6/27$

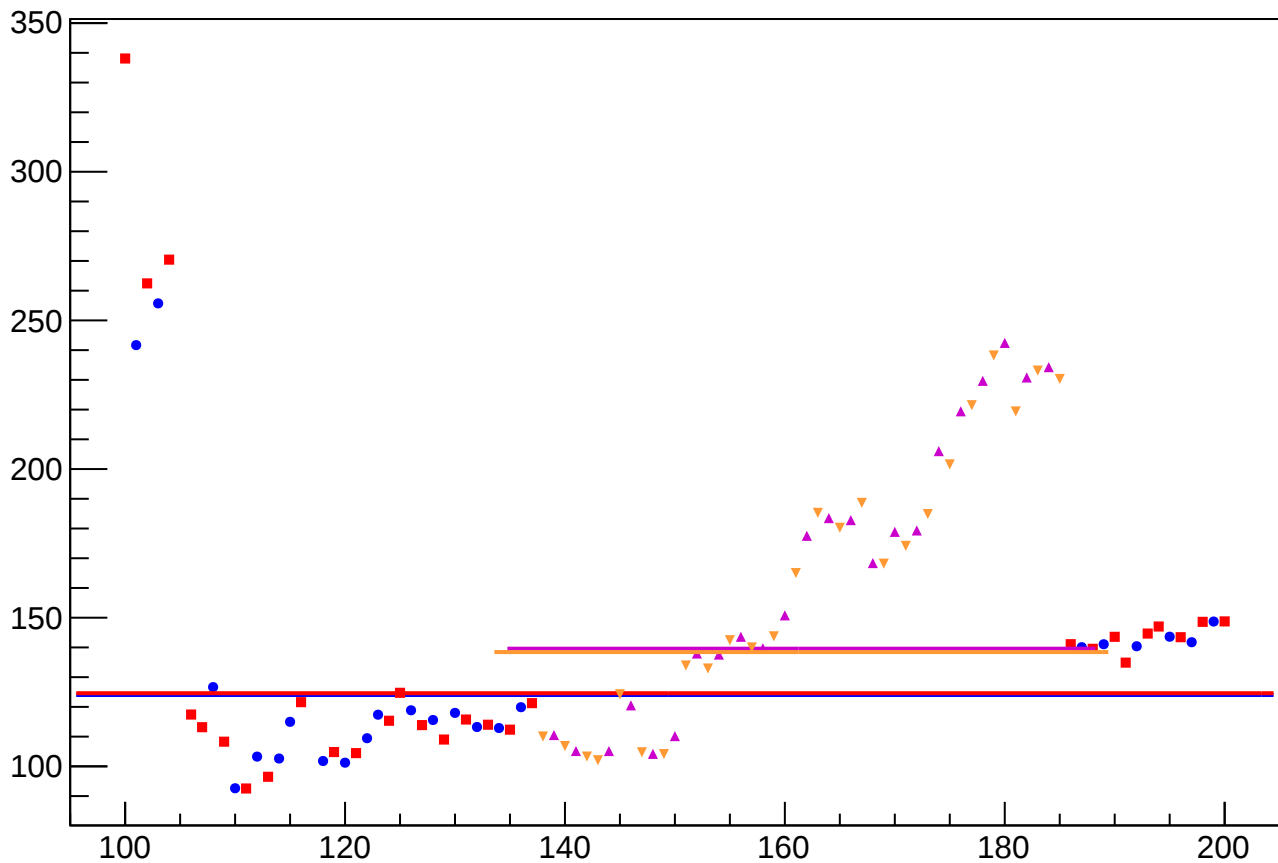
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -1695.720 ± 25.673 $\chi^2/\text{NDF}: 151773.3/47$

All: -496.996 ± 17.933 $\chi^2/\text{NDF}: 323468.4/98$

- sign 645.275 ± 25.061 $\chi^2/\text{NDF}: 167437.3/50$

asym_bpm1i02WS_rms vs Slug



Right In: 123.999 $\pm$ 0.028 χ^2 /NDF: 947300.3/22

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 124.606 $\pm$ 0.025 χ^2 /NDF: 1145235.1/27

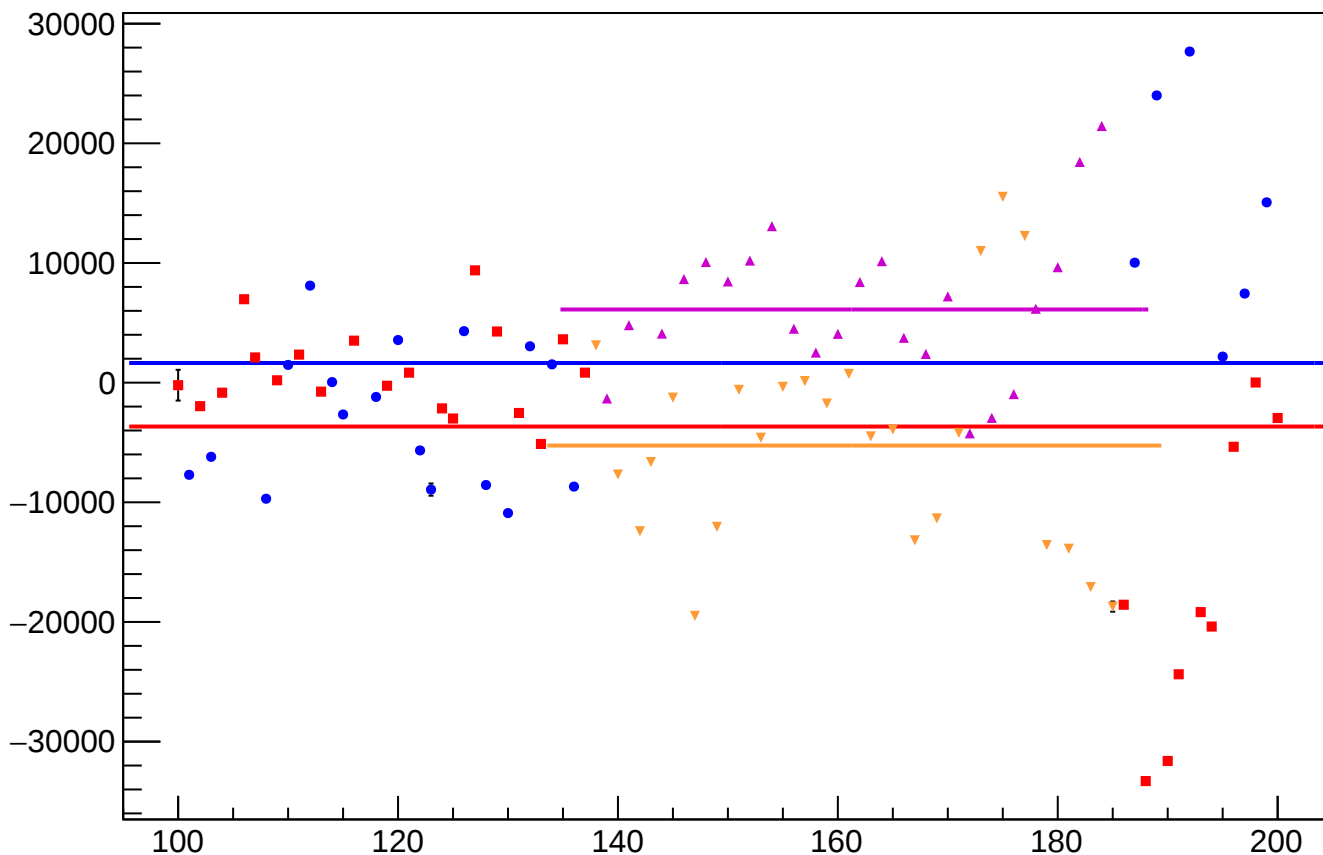
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 132.375 $\pm$ 0.018 χ^2 /NDF: 3650782.4/47

All: 132.328 $\pm$ 0.013 χ^2 /NDF: 7388023.3/98

- sign 132.283 $\pm$ 0.018 χ^2 /NDF: 3737227.5/50

asym_bpm1i04WS_mean vs Slug



Right In: 1642.357+/-35.046 χ^2/NDF : 79986.8/22

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -3668.156+/-32.096 χ^2/NDF : 107637.6/27

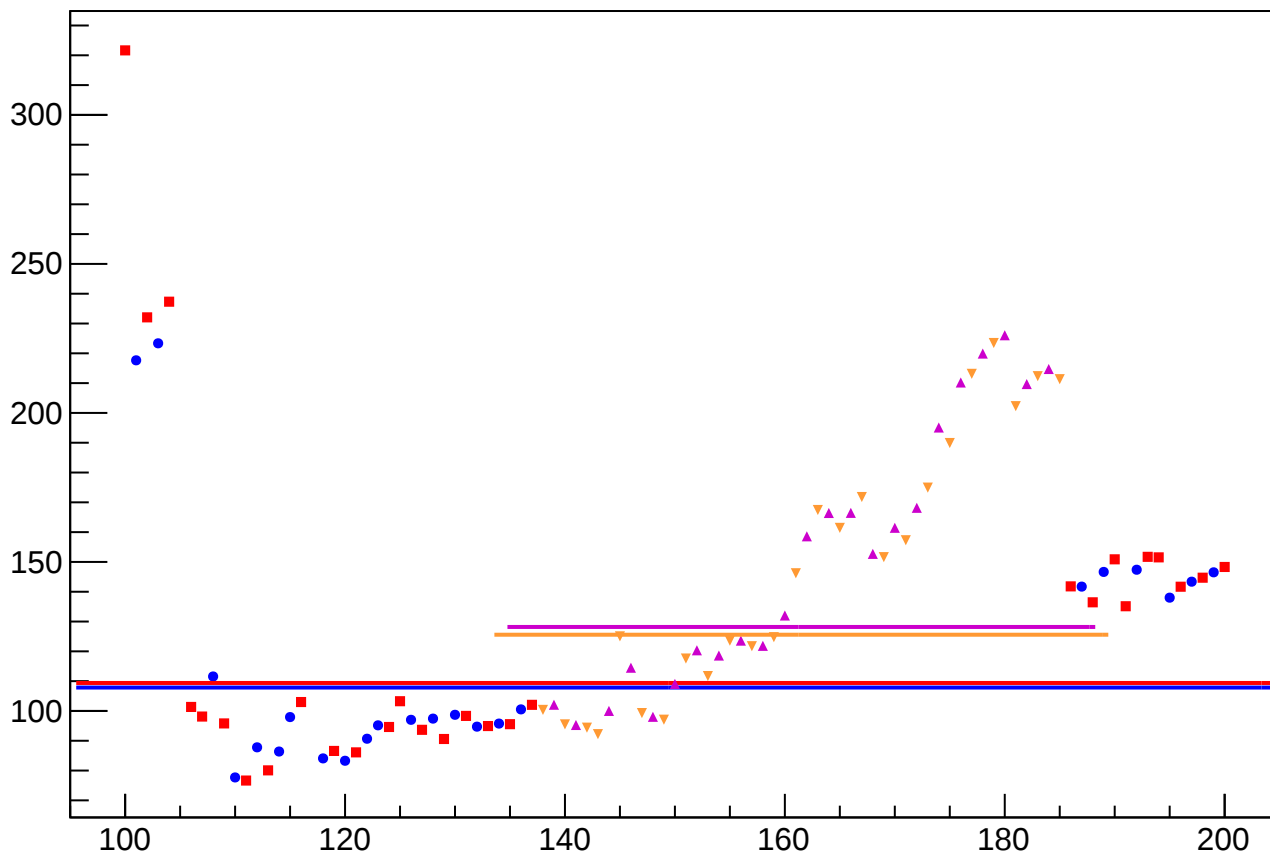
Left In: 6114.901+/-32.126 χ^2/NDF : 21260.9/22

+ sign -2269.306+/-23.060 χ^2/NDF : 166279.8/47

All: -498.269+/-16.179 χ^2/NDF : 353206.8/98

- sign 1218.820+/-22.706 χ^2/NDF : 175309.4/50

asym_bpm1i04WS_rms vs Slug



Right In: 107.854+/-0.025 χ^2/NDF : 1466850.3/22

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 109.388+/-0.023 χ^2/NDF : 1854462.2/27

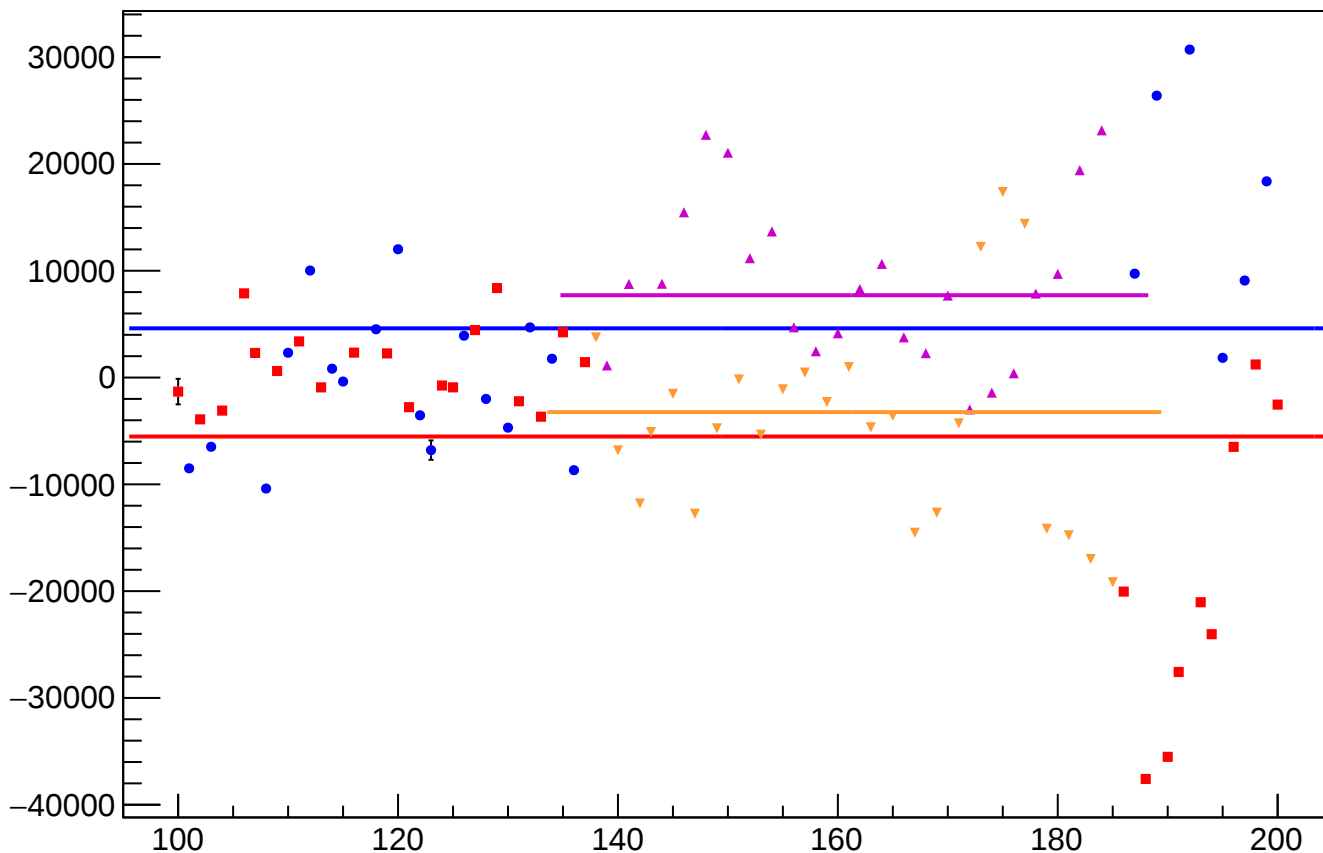
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 117.904+/-0.016 χ^2/NDF : 4352653.6/47

All: 118.347+/-0.011 χ^2/NDF : 8884179.1/98

- sign 118.777+/-0.016 χ^2/NDF : 4530071.3/50

asym_bpm1i06WS_mean vs Slug



Right In: 4608.085 $\pm$ 46.661 χ^2 /NDF: 57813.3/22

Left Out: -3234.922 $\pm$ 40.583 χ^2 /NDF:36739.9/24

Right Out: -5522.524 $\pm$ 42.513 χ^2 /NDF: 90122.2/27

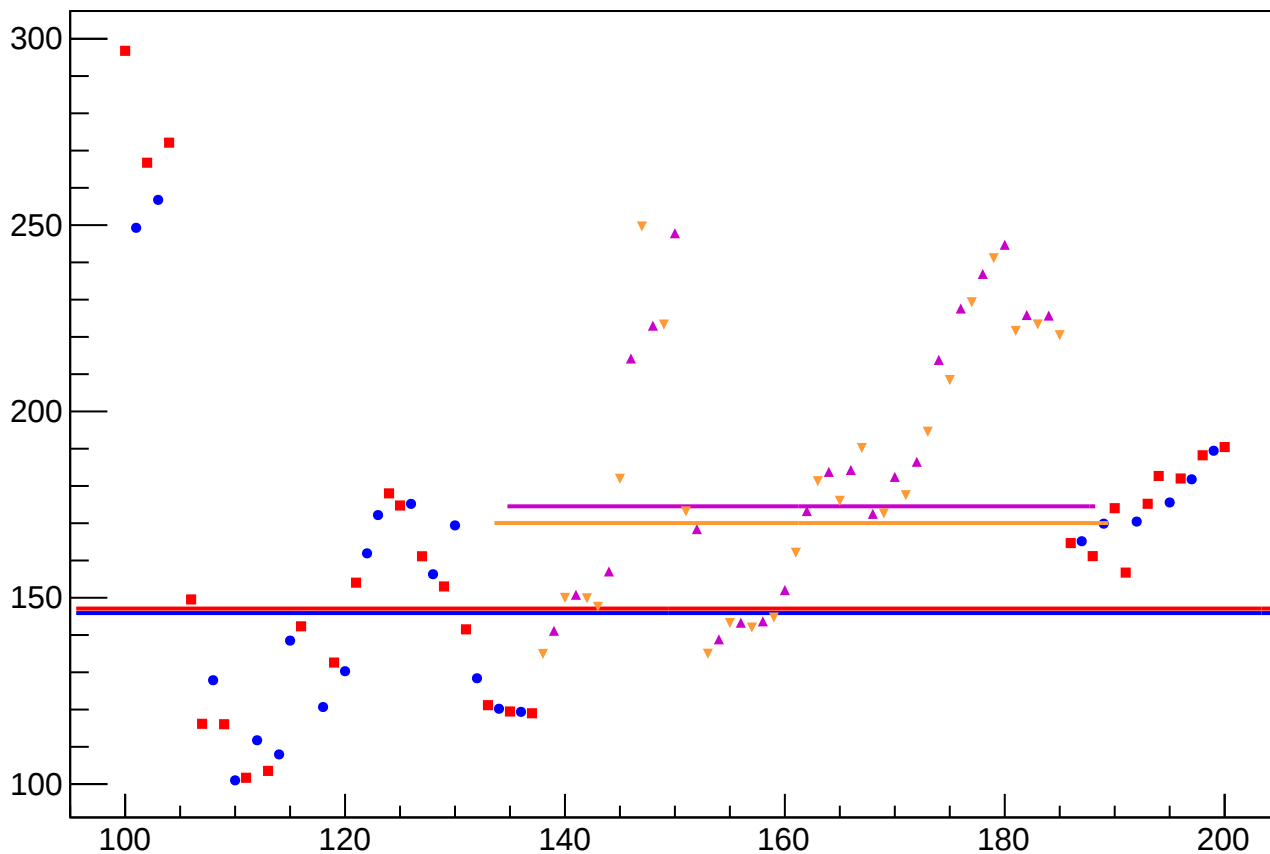
Left In: 7707.068 $\pm$ 42.990 χ^2 /NDF:21268.3/22

+ sign 142.832 $\pm$ 30.621 χ^2 /NDF: 110638.5/47

All: 586.319 $\pm$ 21.512 χ^2 /NDF: 270322.4/98

- sign 1018.503 $\pm$ 30.228 χ^2 /NDF: 159269.7/50

asym_bpm1i06WS_rms vs Slug



Right In: 145.893+/-0.033 χ^2/NDF : 1131568.7/22

Left Out: 170.050+/-0.029 χ^2/NDF :1240866.9/24

Right Out: 147.104+/-0.030 χ^2/NDF : 1391281.1/27

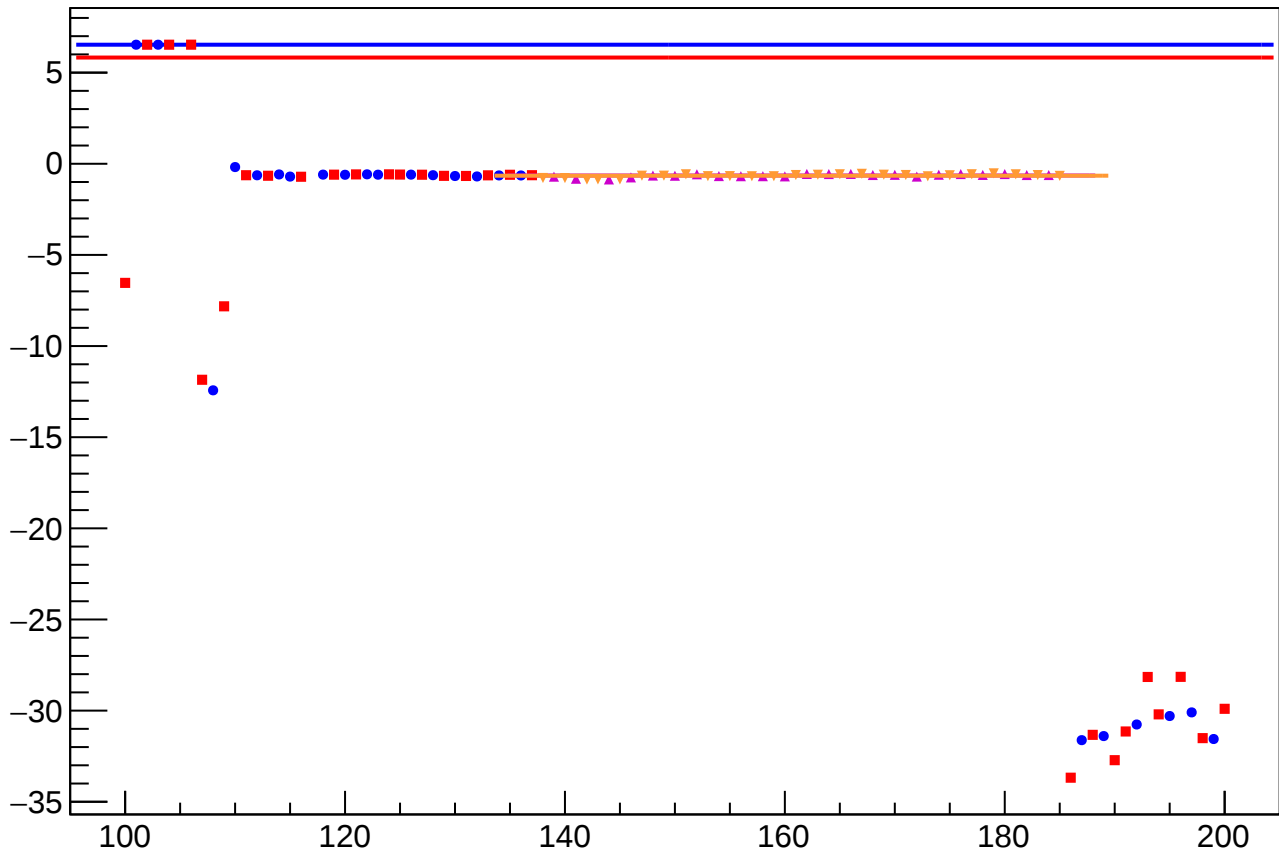
Left In: 174.539+/-0.030 χ^2/NDF :1210071.2/22

+ sign 159.646+/-0.022 χ^2/NDF : 2677631.0/47

All: 160.164+/-0.015 χ^2/NDF : 5691916.9/98

- sign 160.669+/-0.021 χ^2/NDF : 3013155.8/50

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127823933252.3/22

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947725785185.6/27

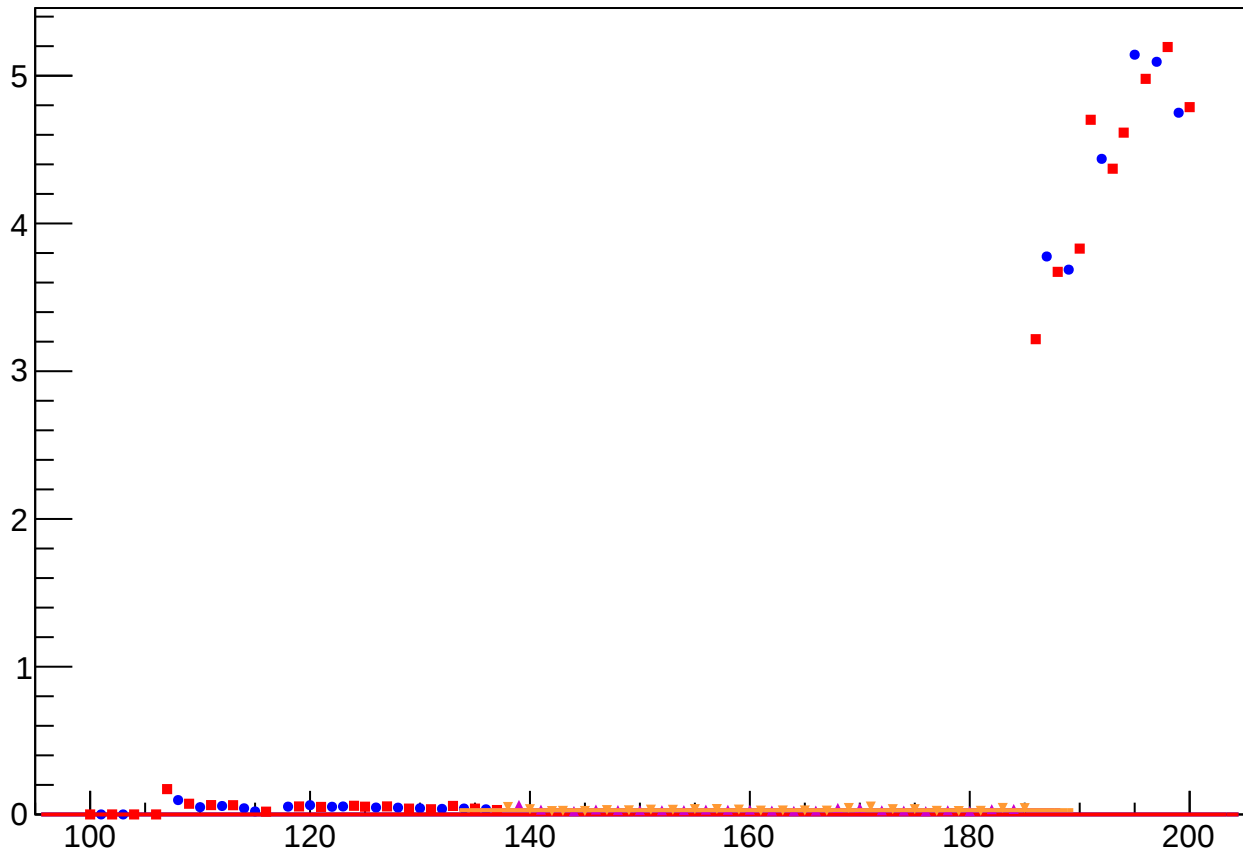
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 999213218802.9/47

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 7776020889889

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756619070389568.1/27

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 16723316.7/22

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 20786935.9/27

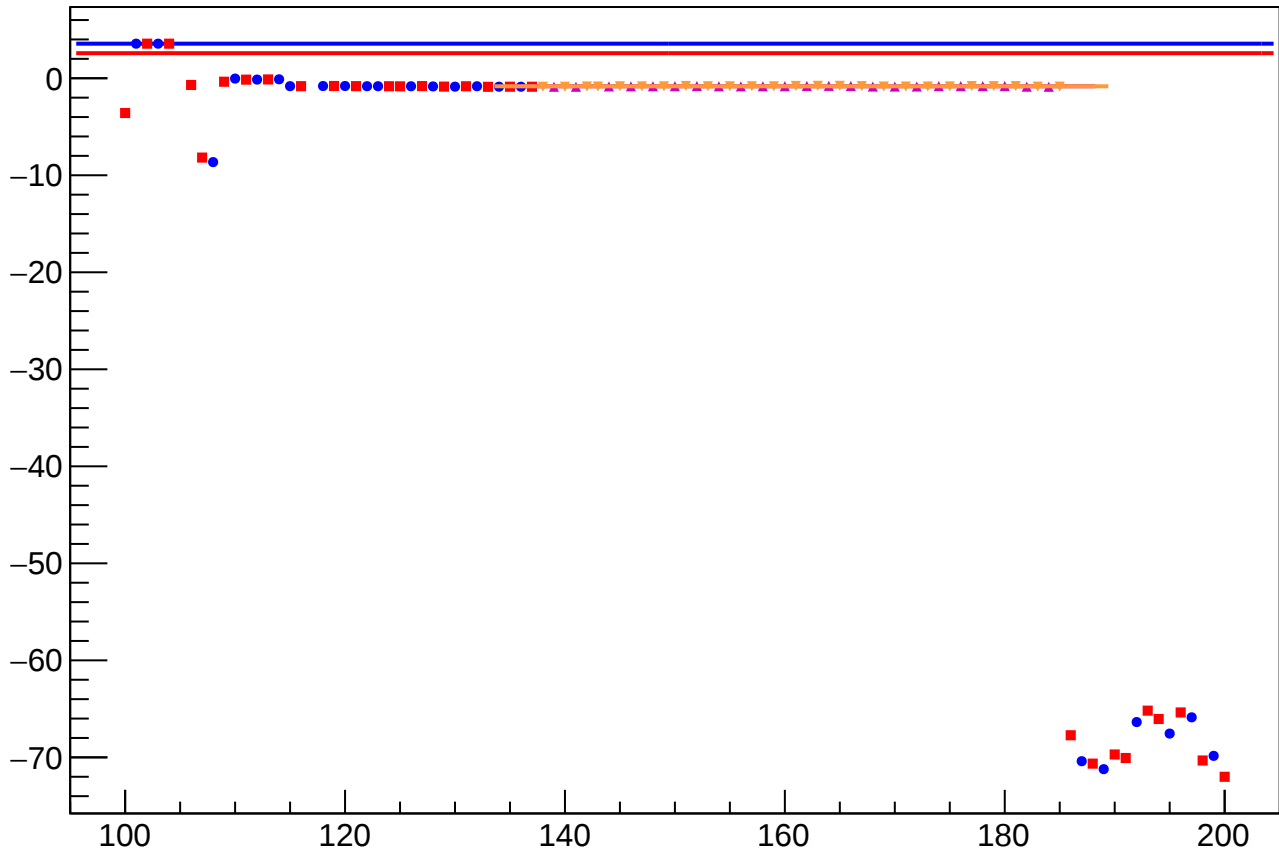
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 46594714.2/47

All: 0.000+/-0.000 χ^2/NDF : 95348025.2/98

- sign 0.000+/-0.000 χ^2/NDF : 48752628.1/50

yield_cav4bY_mean vs Slug



Right In: 3.563 ± 0.000 χ^2/NDF : 499076477406.2/22

Left Out: -0.828 ± 0.000 χ^2/NDF : 168178464.8/24

Right Out: 2.583 ± 0.000 χ^2/NDF : 1253525667168745.2/27

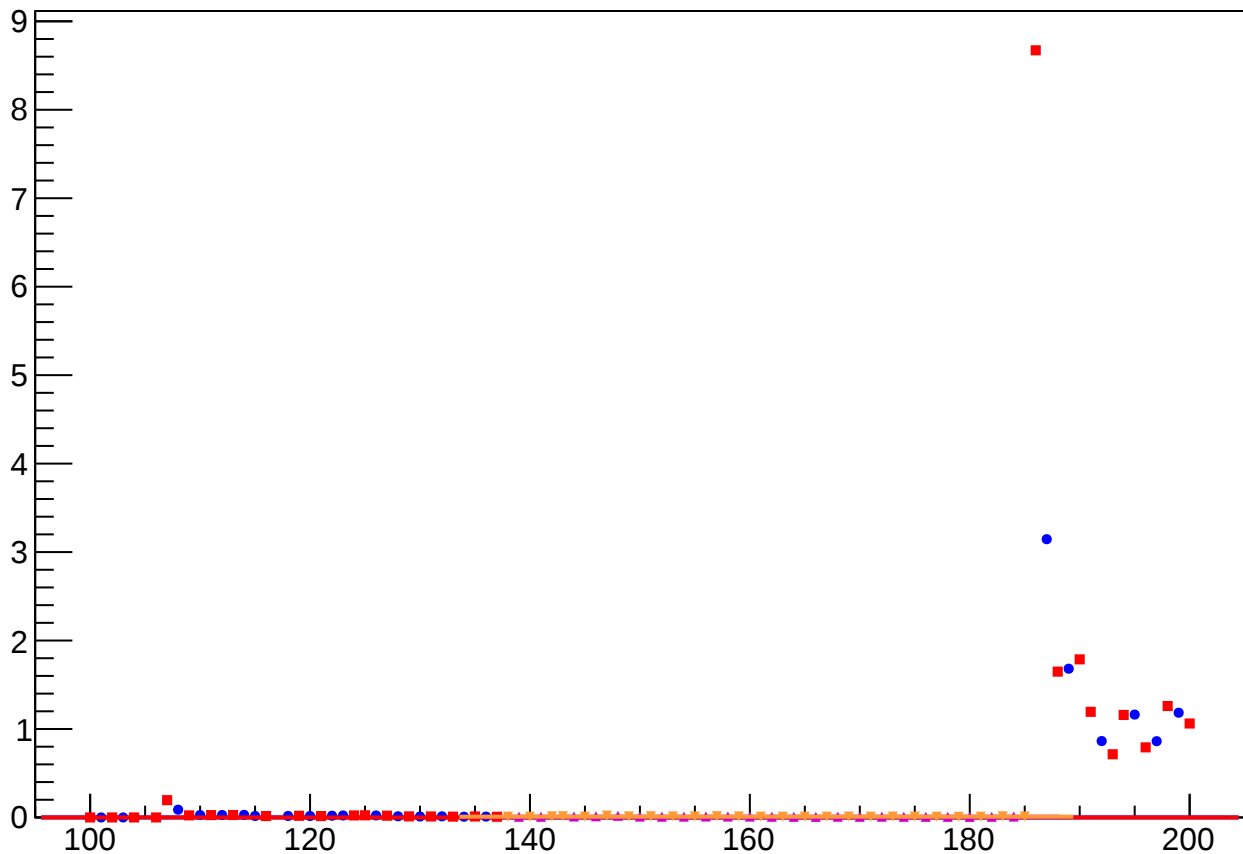
Left In: -0.827 ± 0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560 ± 0.000 χ^2/NDF : 4181232570710.5/47

All: 3.038 ± 0.000 χ^2/NDF : 13879824732383

- sign 2.581 ± 0.000 χ^2/NDF : 1255725719296780.2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 16098324.0/22

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19677592.0/27

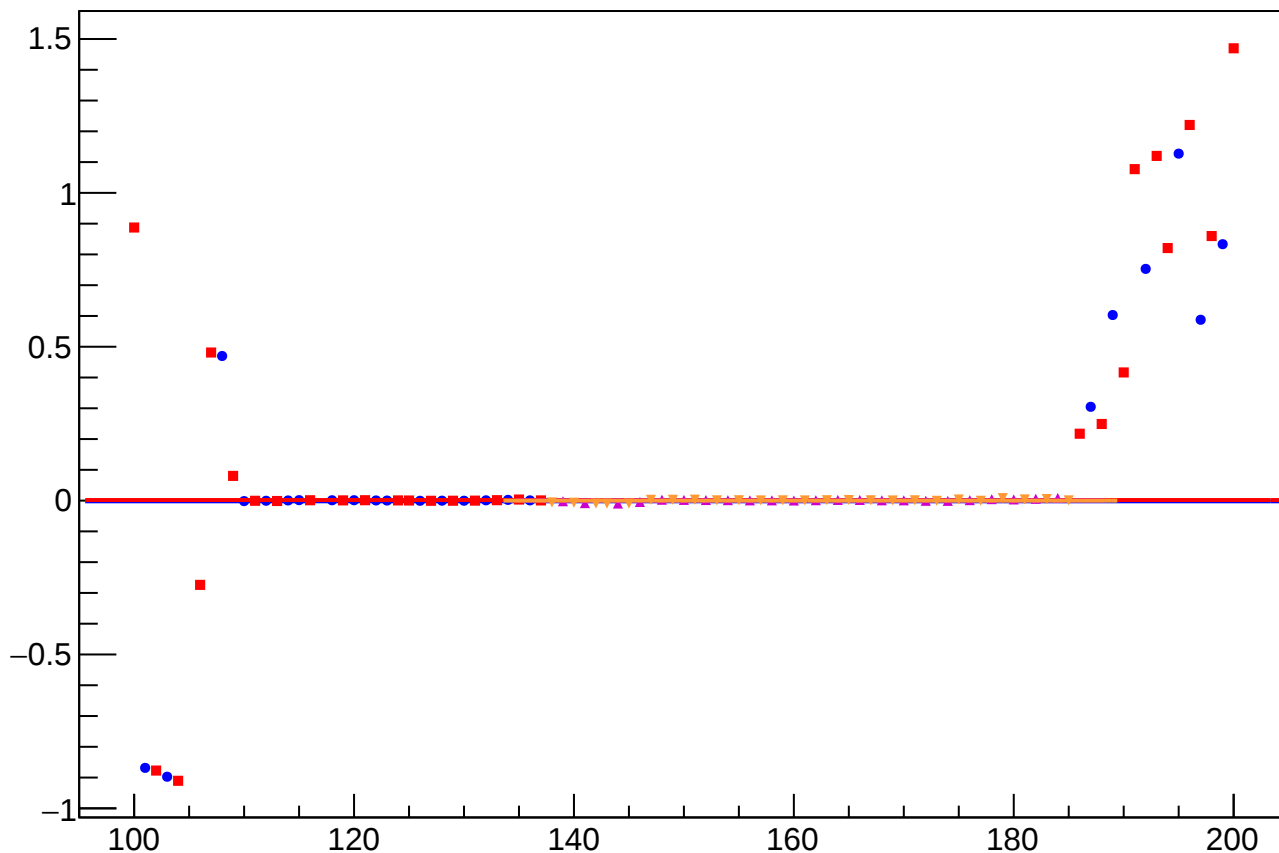
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 47507135.8/47

All: 0.000+/-0.000 χ^2/NDF : 96731361.9/98

- sign 0.000+/-0.000 χ^2/NDF : 49223105.8/50

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9796283872.6/22$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151482851.1/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3043027002.8/27$

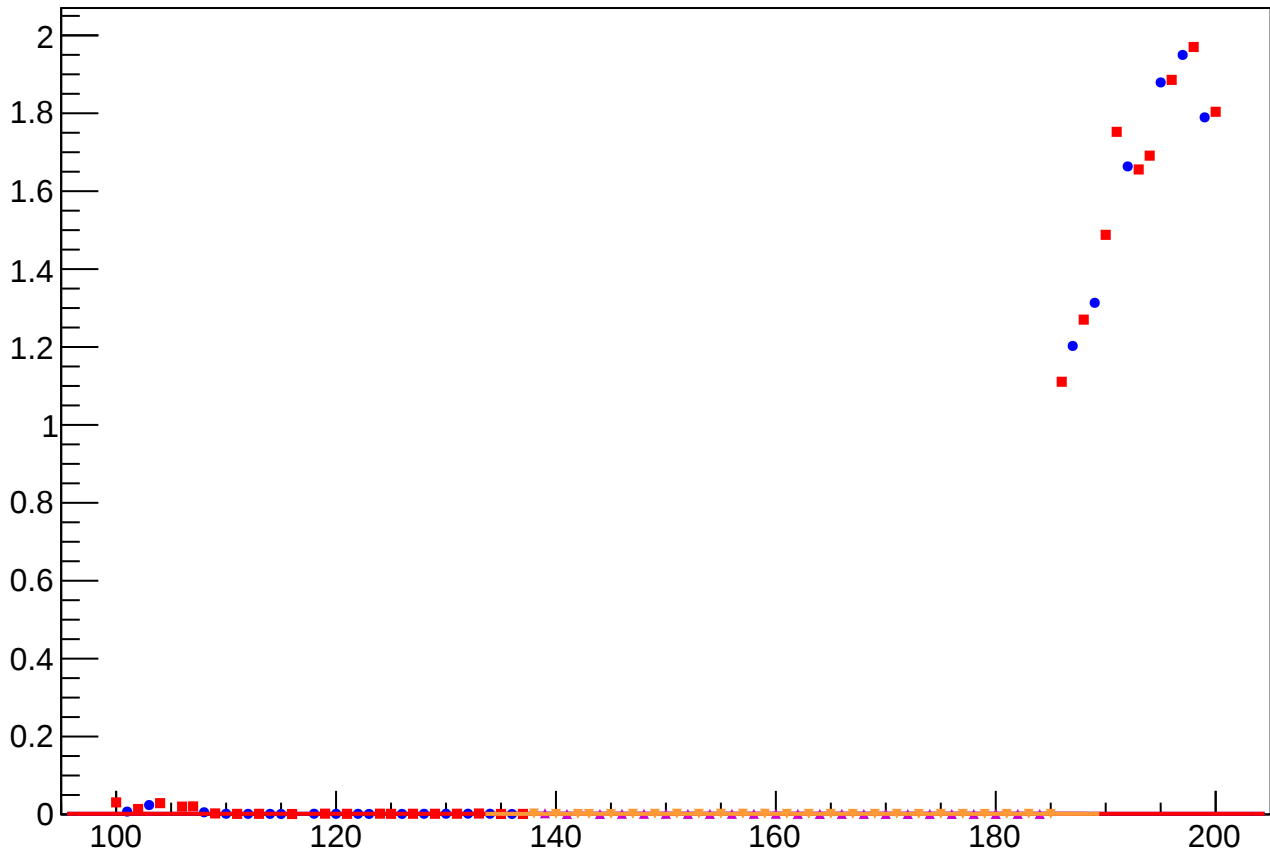
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101439617.3/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9954302101.9/47$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13108317293.4/9$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3146433554.6/50$

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 9597650.1/22

Left Out: 0.001+/-0.000 χ^2/NDF : 539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 14438584.7/27

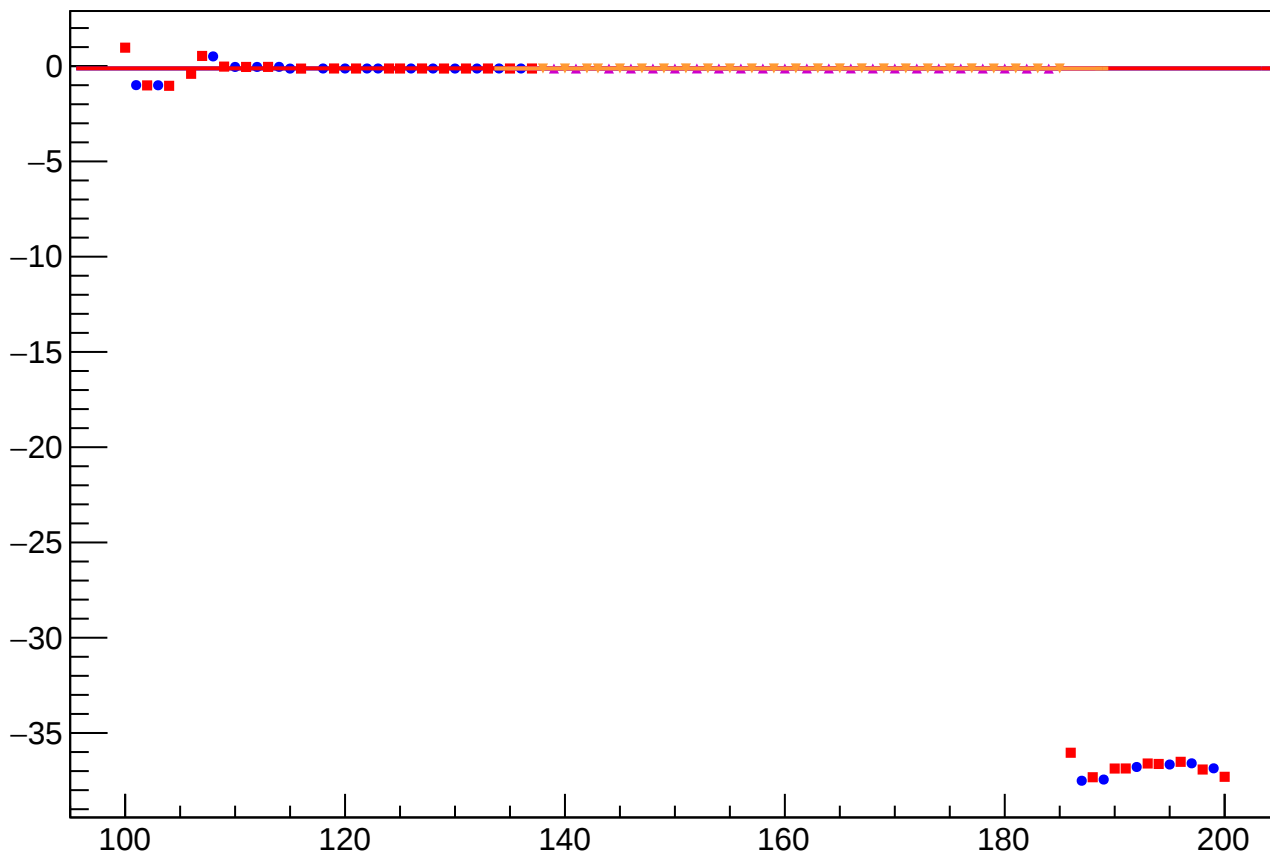
Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 10208822.7/47

All: 0.002+/-0.000 χ^2/NDF : 25392013.9/98

- sign 0.002+/-0.000 χ^2/NDF : 15174198.5/50

yield_cav4cY_mean vs Slug



Right In: -0.121 ± 0.000 χ^2/NDF : 36185347584.3/22

Left Out: -0.121 ± 0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.116 ± 0.000 χ^2/NDF : 49659355216.1/27

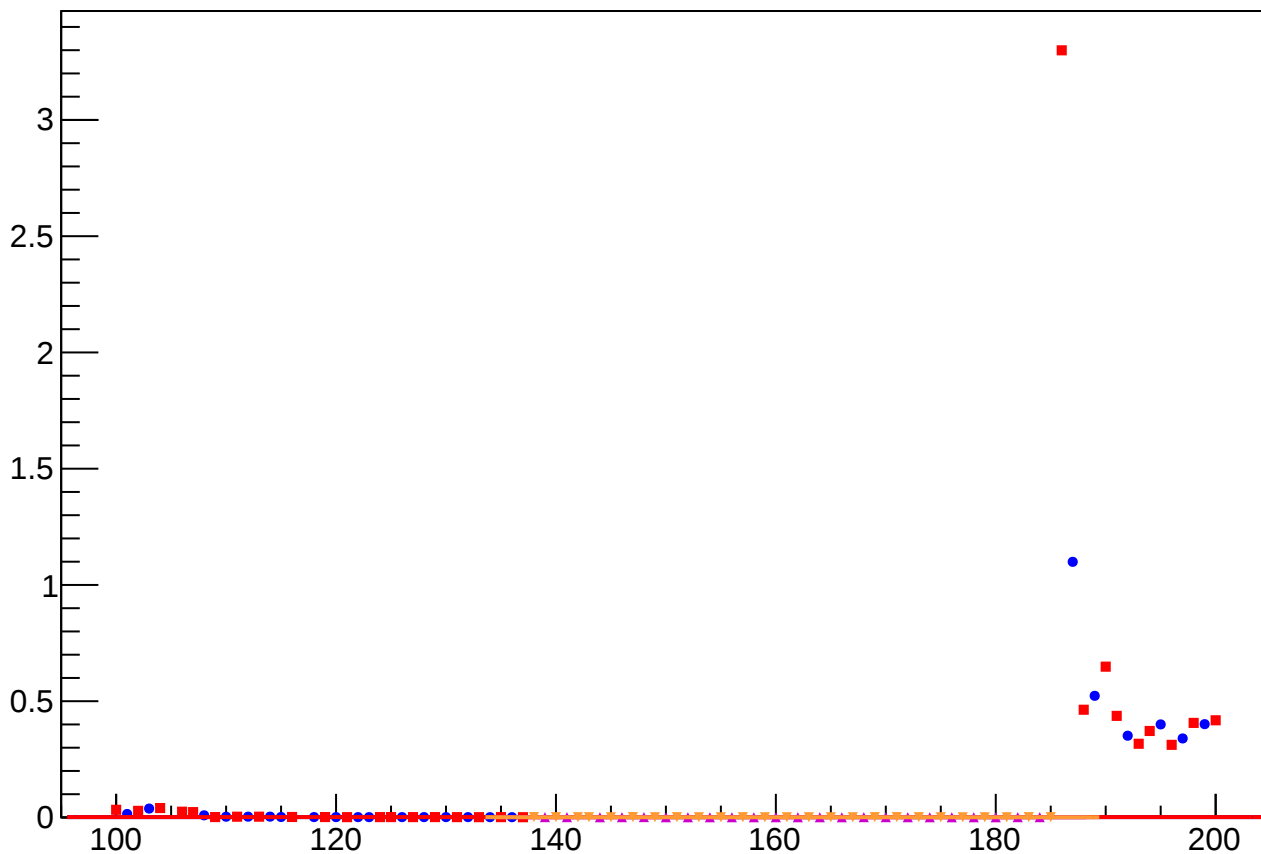
Left In: -0.121 ± 0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121 ± 0.000 χ^2/NDF : 36243603211.3/47

All: -0.121 ± 0.000 χ^2/NDF : 85998626907.8/50

- sign -0.120 ± 0.000 χ^2/NDF : 49751150325.7/50

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 10155663.7/22

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 14484977.1/27

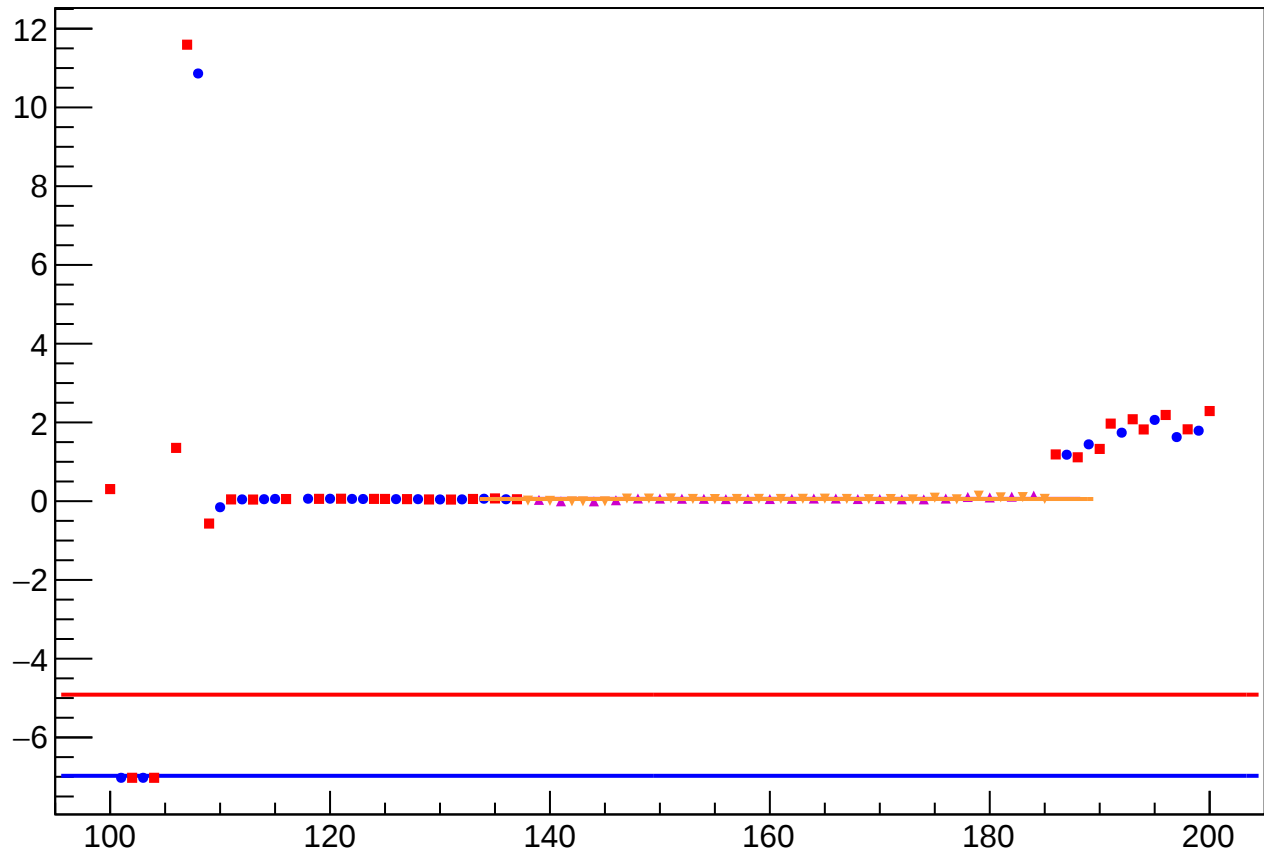
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 12717637.6/47

All: 0.001+/-0.000 χ^2/NDF : 29307500.2/98

- sign 0.001+/-0.000 χ^2/NDF : 16587973.3/50

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8797487770131.5/22$

Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243682351.4/24$

Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365352781297343.1/27$

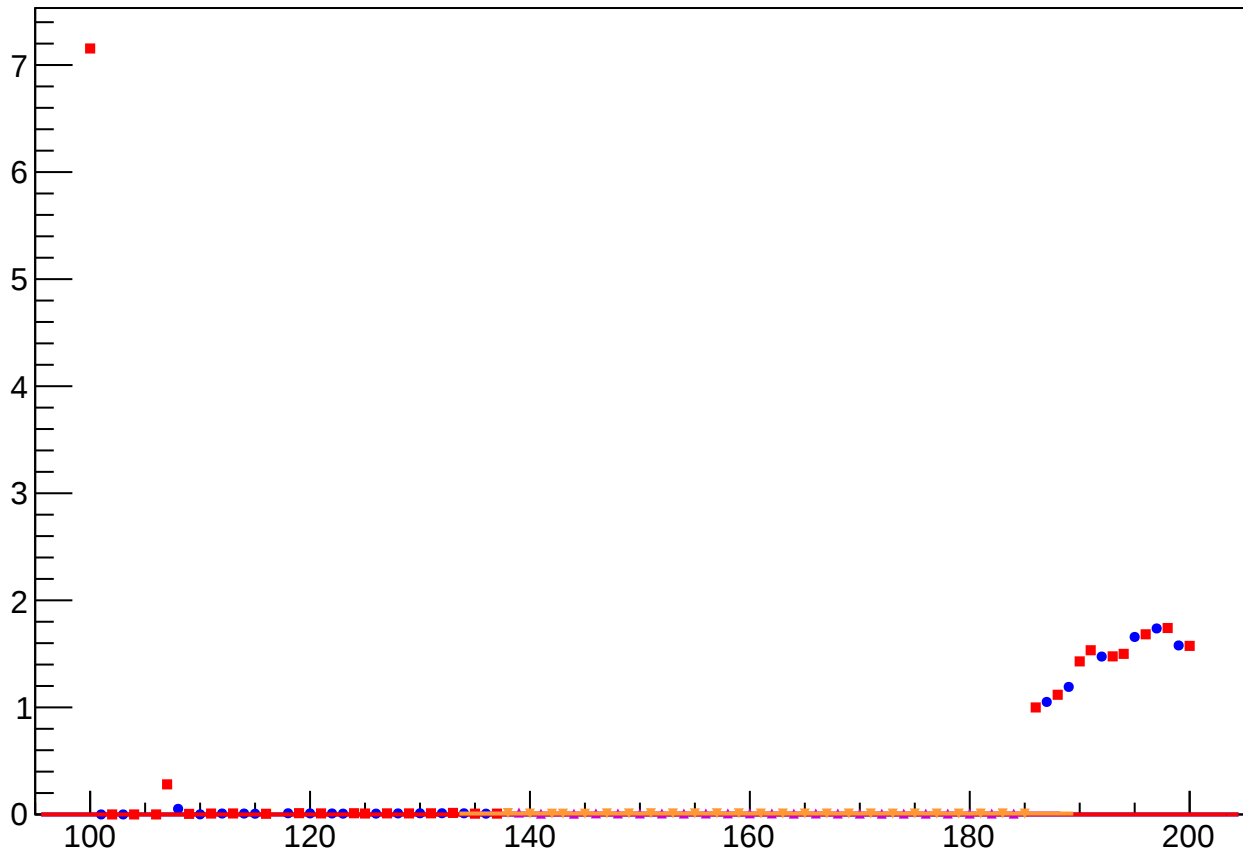
Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178541521.9/22$

+ sign -6.921 ± 0.000 $\chi^2/\text{NDF}: 18423801485380.3/22$

All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435288226054.1/22$

- sign -4.882 ± 0.000 $\chi^2/\text{NDF}: 369731801511124.4/22$

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 16042403.8/22

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 20218879.3/27

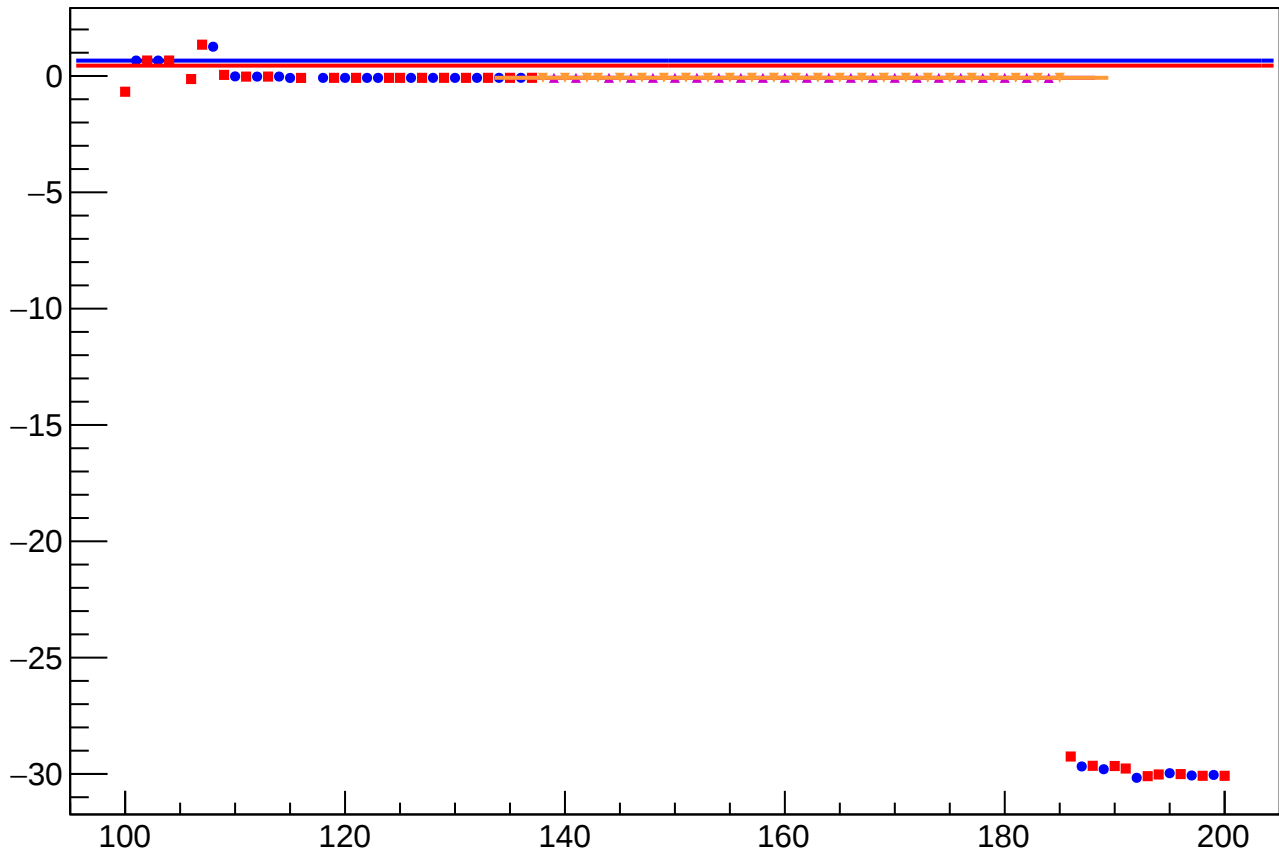
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 44944689.1/47

All: 0.000+/-0.000 χ^2/NDF : 92624443.7/98

- sign 0.000+/-0.000 χ^2/NDF : 47674963.0/50

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5691465762883.3/22

Left Out: -0.078+/-0.000 χ^2/NDF : 156404795.7/24

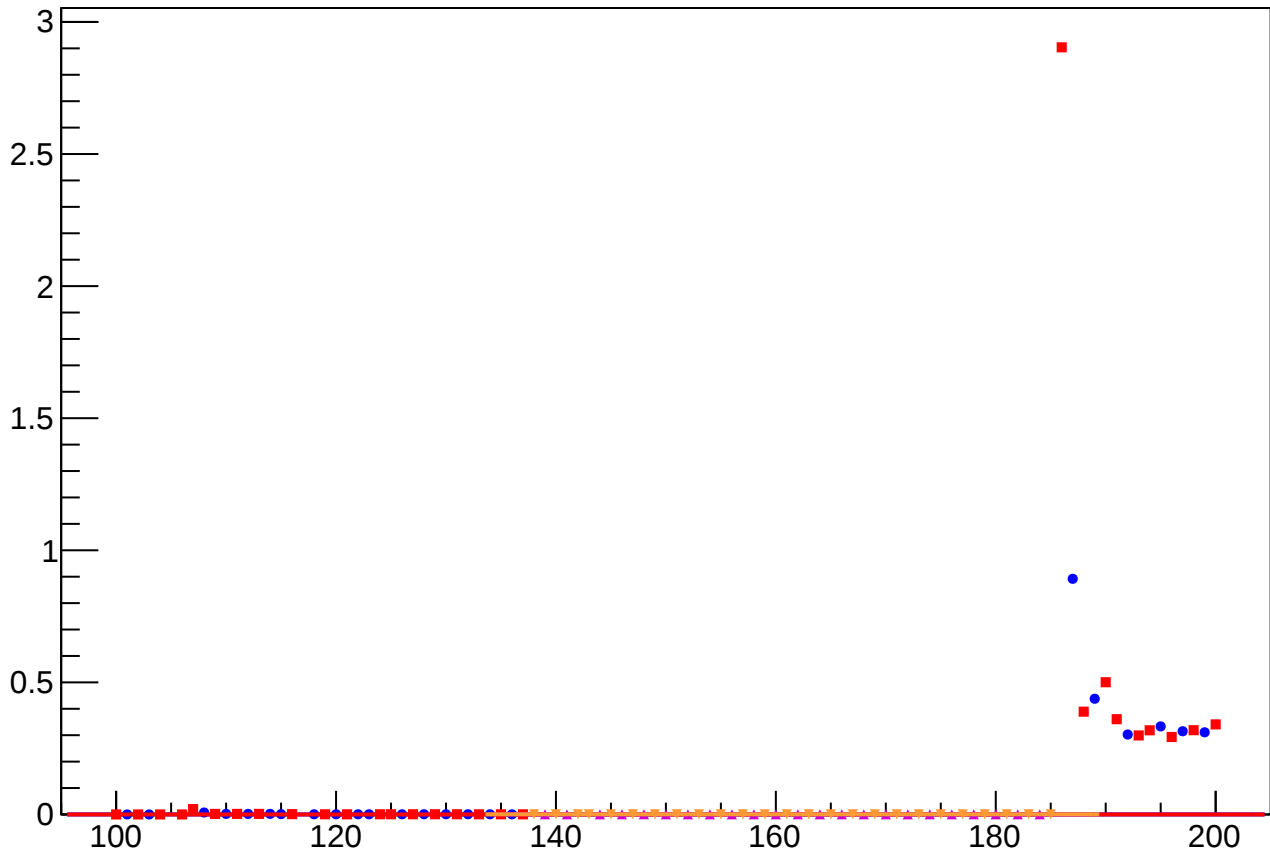
+ sign 0.646+/-0.000 χ^2/NDF : 35790260147601.3/4

Right Out: 0.446+/-0.000 χ^2/NDF : 405473001220360.9/27 All: 0.537+/-0.000 χ^2/NDF : 51592223772254

- sign 0.437+/-0.000 χ^2/NDF : 419595032405690.6/27

Left In: -0.077+/-0.000 χ^2/NDF : 110762924.1/22

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 17514701.1/22

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 20742035.4/27

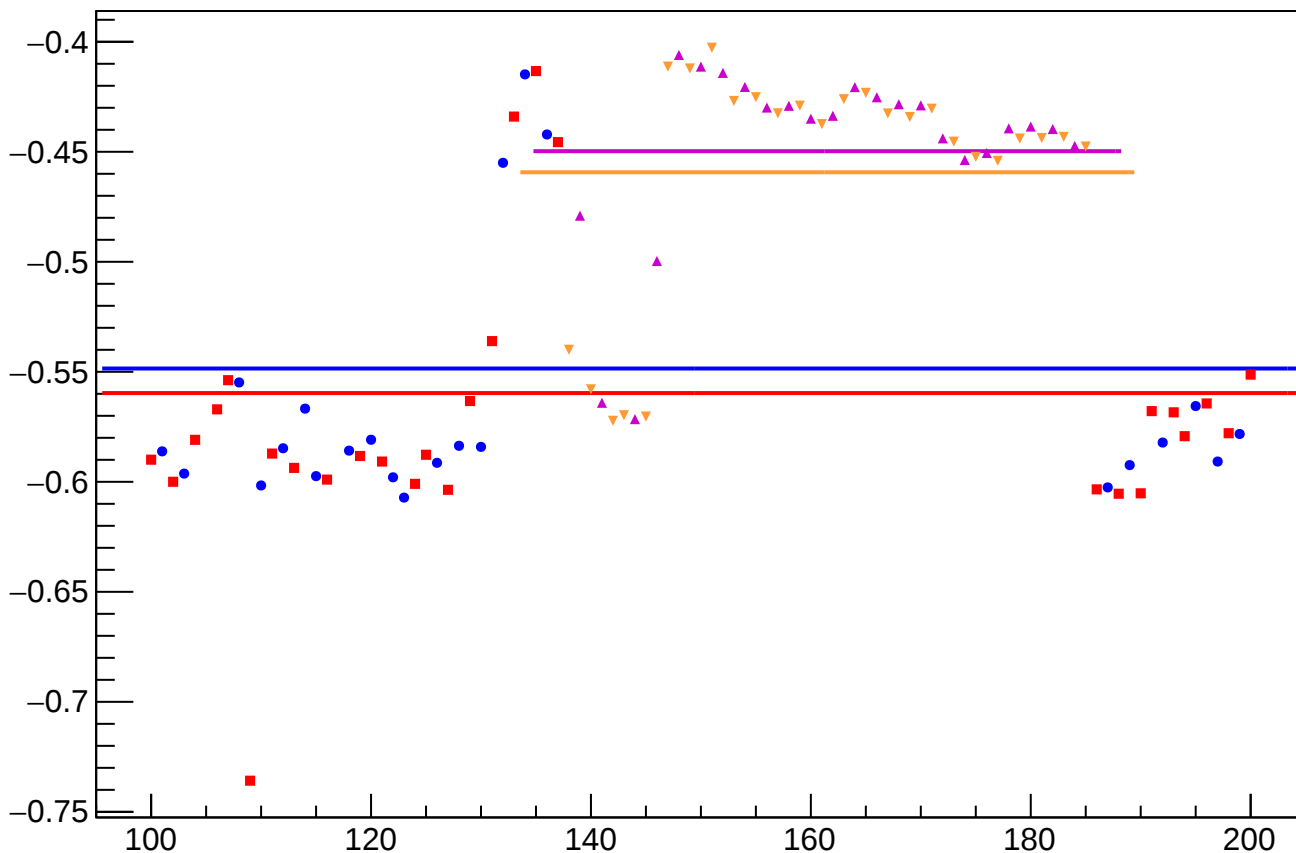
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 50068371.4/47

All: 0.000+/-0.000 χ^2/NDF : 101611088.0/98

- sign 0.000+/-0.000 χ^2/NDF : 51534898.8/50

yield_bpm4aX_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 47547266.6/22

Left Out: -0.459 ± 0.000 χ^2/NDF : 113602161.0/24

Right Out: -0.560 ± 0.000 χ^2/NDF : 65653664.9/27

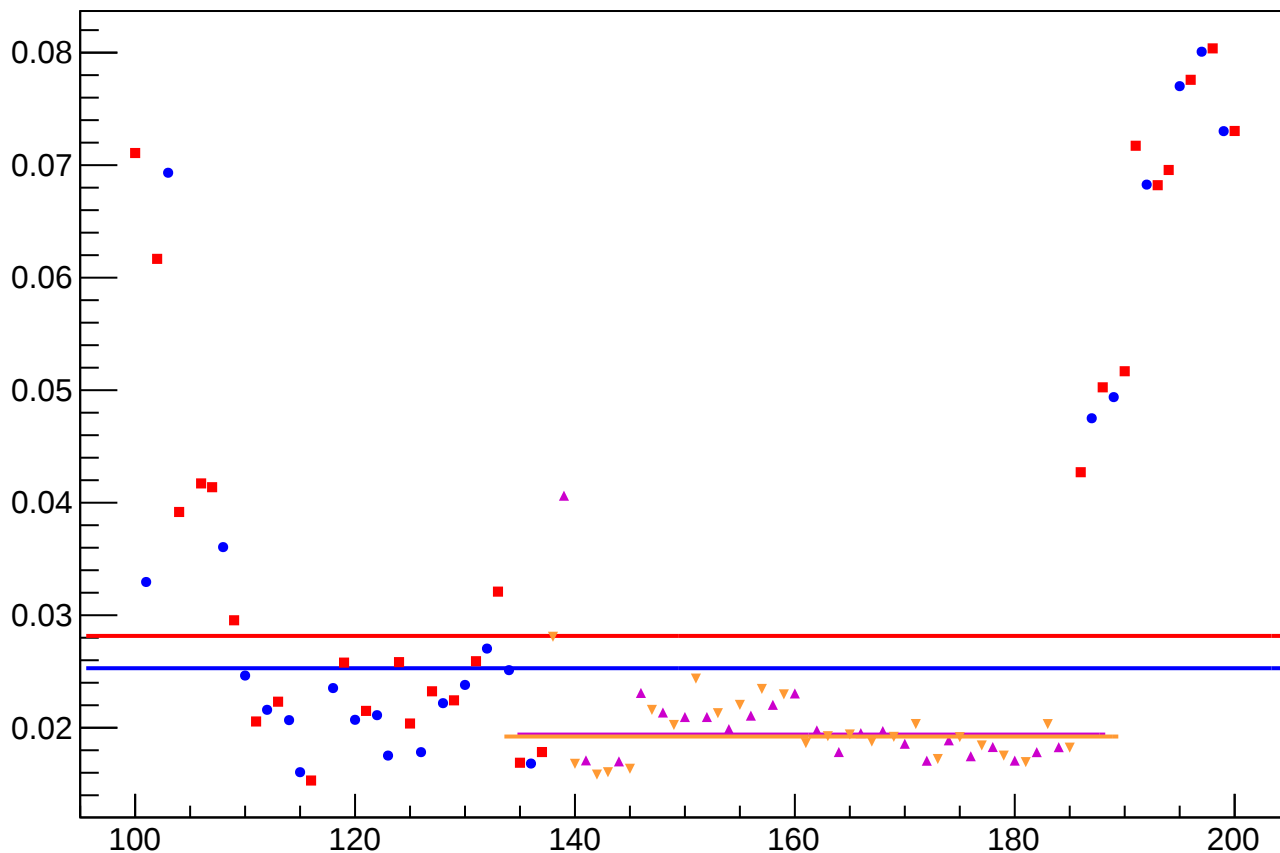
Left In: -0.450 ± 0.000 χ^2/NDF : 76117957.8/22

+ sign -0.479 ± 0.000 χ^2/NDF : 231672010.7/47

All: -0.477 ± 0.000 χ^2/NDF : 478167238.1/98

- sign -0.475 ± 0.000 χ^2/NDF : 246158308.5/50

yield_bpm4aX_rms vs Slug



Right In: 0.025+/-0.000 χ^2/NDF : 4279746.2/22

Left Out: 0.019+/-0.000 χ^2/NDF : 501711.6/24

Right Out: 0.028+/-0.000 χ^2/NDF : 5353273.0/27

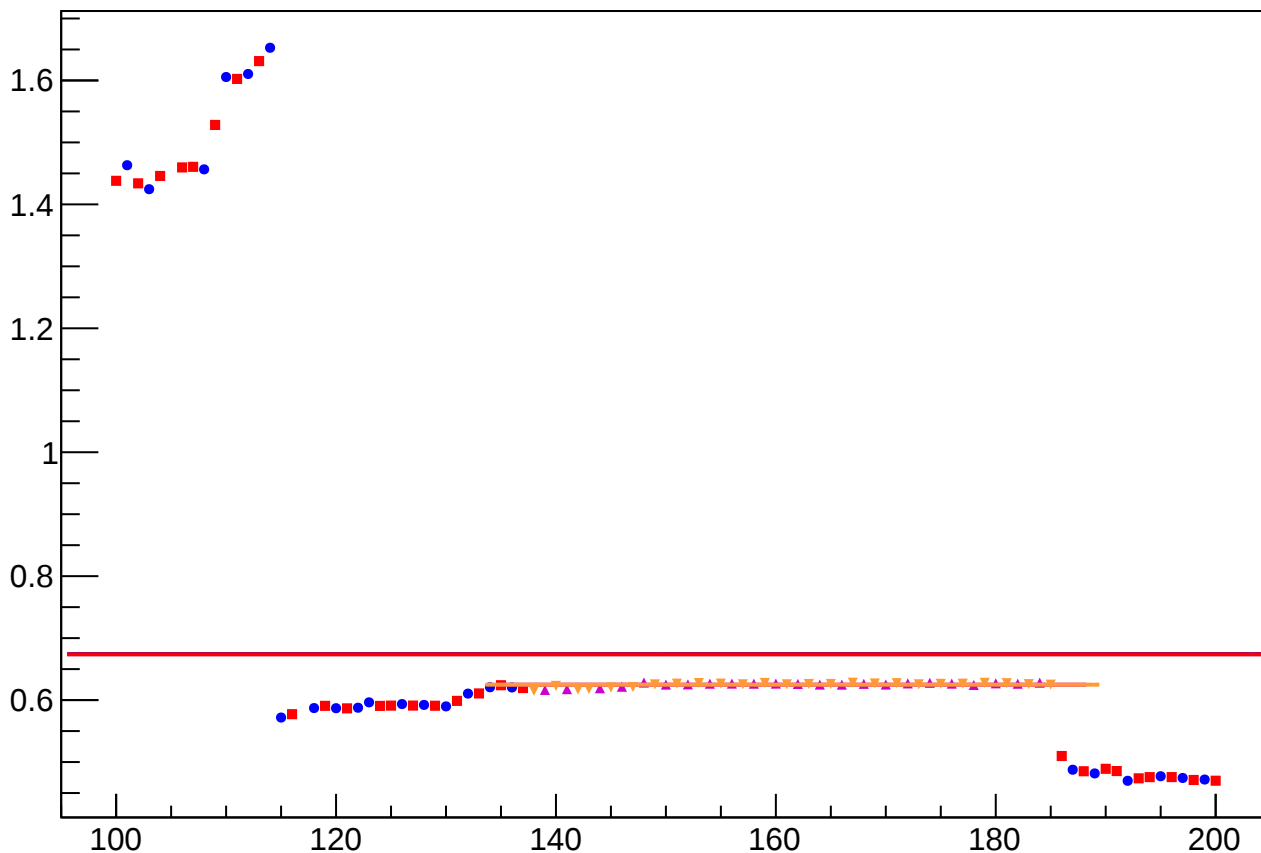
Left In: 0.019+/-0.000 χ^2/NDF : 626443.5/22

+ sign 0.021+/-0.000 χ^2/NDF : 5435194.1/47

All: 0.021+/-0.000 χ^2/NDF : 12781227.6/98

- sign 0.021+/-0.000 χ^2/NDF : 7307725.6/50

yield_bpm4aY_mean vs Slug



Right In: 0.674 $\pm$ 0.000 χ^2 /NDF: 4604557948.2/22

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.674 $\pm$ 0.000 χ^2 /NDF: 5753831060.6/27

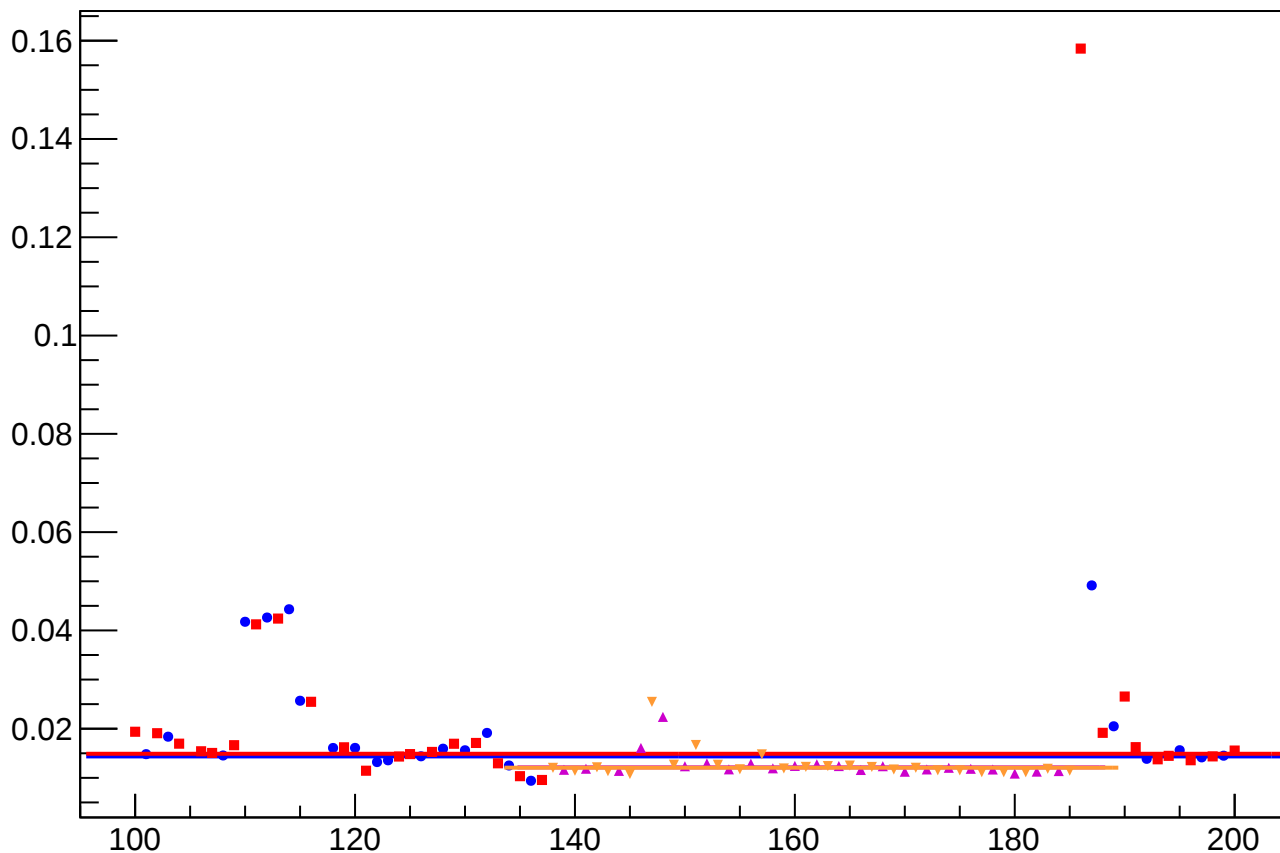
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.638 $\pm$ 0.000 χ^2 /NDF: 4685850426.0/47

All: 0.639 $\pm$ 0.000 χ^2 /NDF: 10524946717.7/9

- sign 0.640 $\pm$ 0.000 χ^2 /NDF: 5838875245.7/50

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1634989.8/22

Left Out: 0.012+/-0.000 χ^2/NDF : 657199.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2077472.9/27

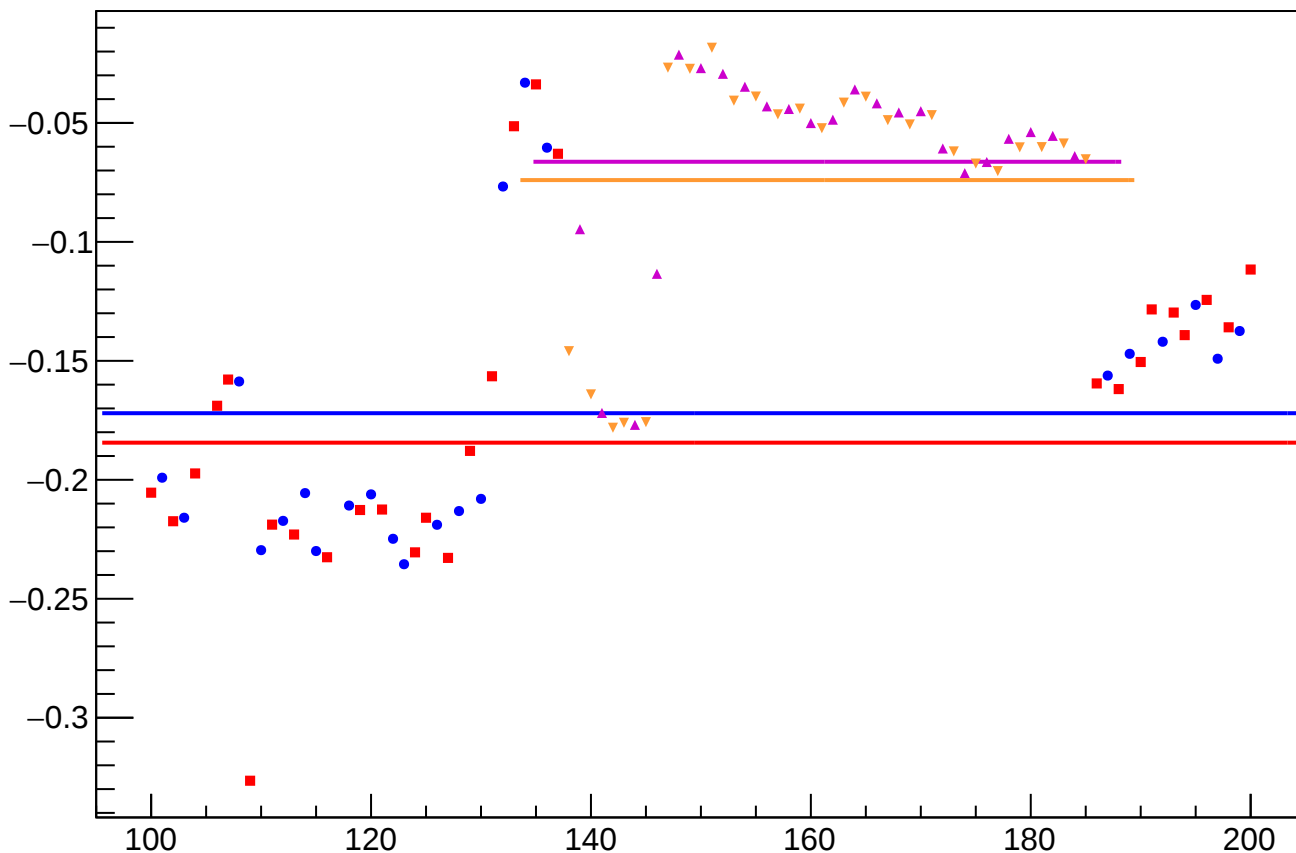
Left In: 0.012+/-0.000 χ^2/NDF : 488363.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 2636853.0/47

All: 0.013+/-0.000 χ^2/NDF : 5750057.2/98

- sign 0.013+/-0.000 χ^2/NDF : 3098872.5/50

yield_bpm4eX_mean vs Slug



Right In: -0.172 ± 0.000 χ^2/NDF : 67693599.8/22

Left Out: -0.074 ± 0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.184 ± 0.000 χ^2/NDF : 85334604.5/27

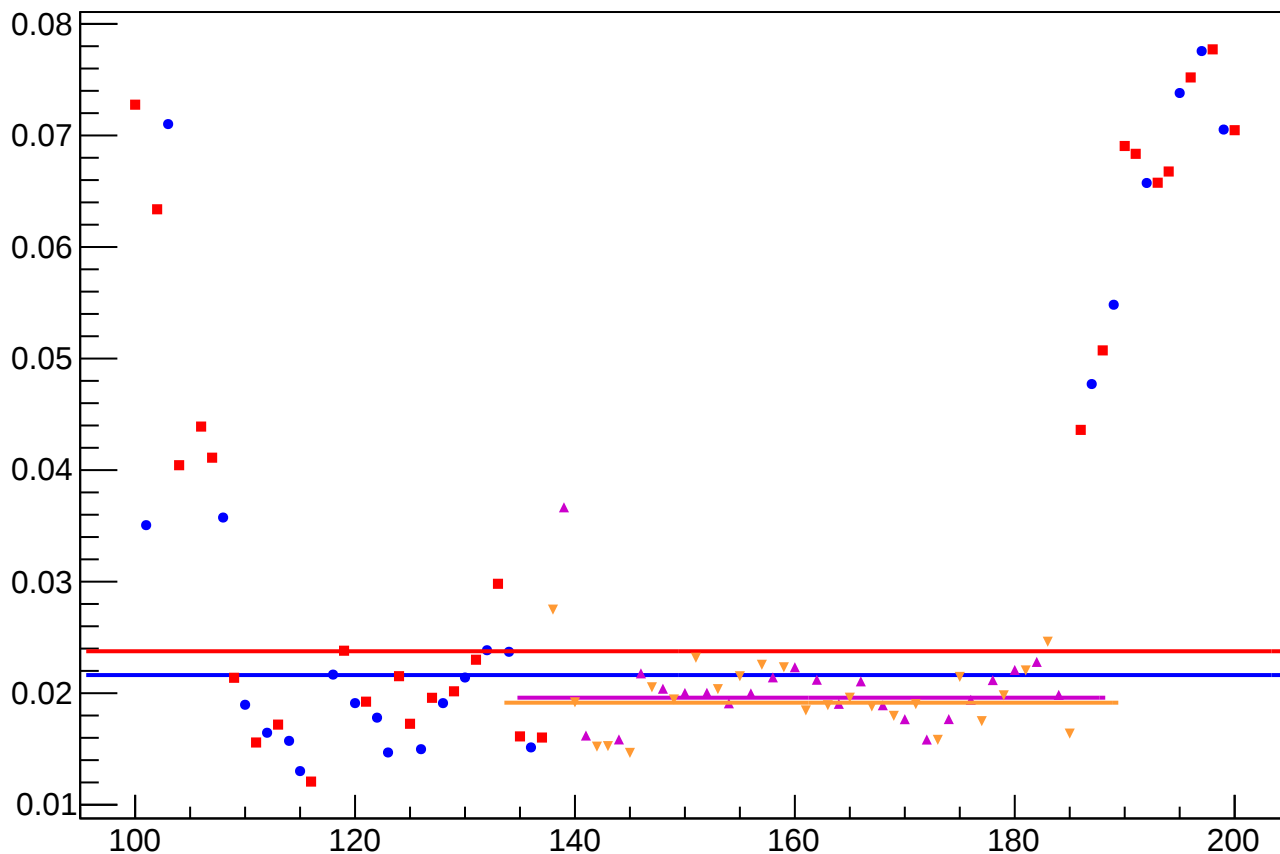
Left In: -0.066 ± 0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100 ± 0.000 χ^2/NDF : 280201754.3/47

All: -0.100 ± 0.000 χ^2/NDF : 589499329.2/98

- sign -0.100 ± 0.000 χ^2/NDF : 309297564.7/50

yield_bpm4eX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 4997353.2/22

Left Out: 0.019+/-0.000 χ^2/NDF : 641277.0/24

Right Out: 0.024+/-0.000 χ^2/NDF : 6519586.4/27

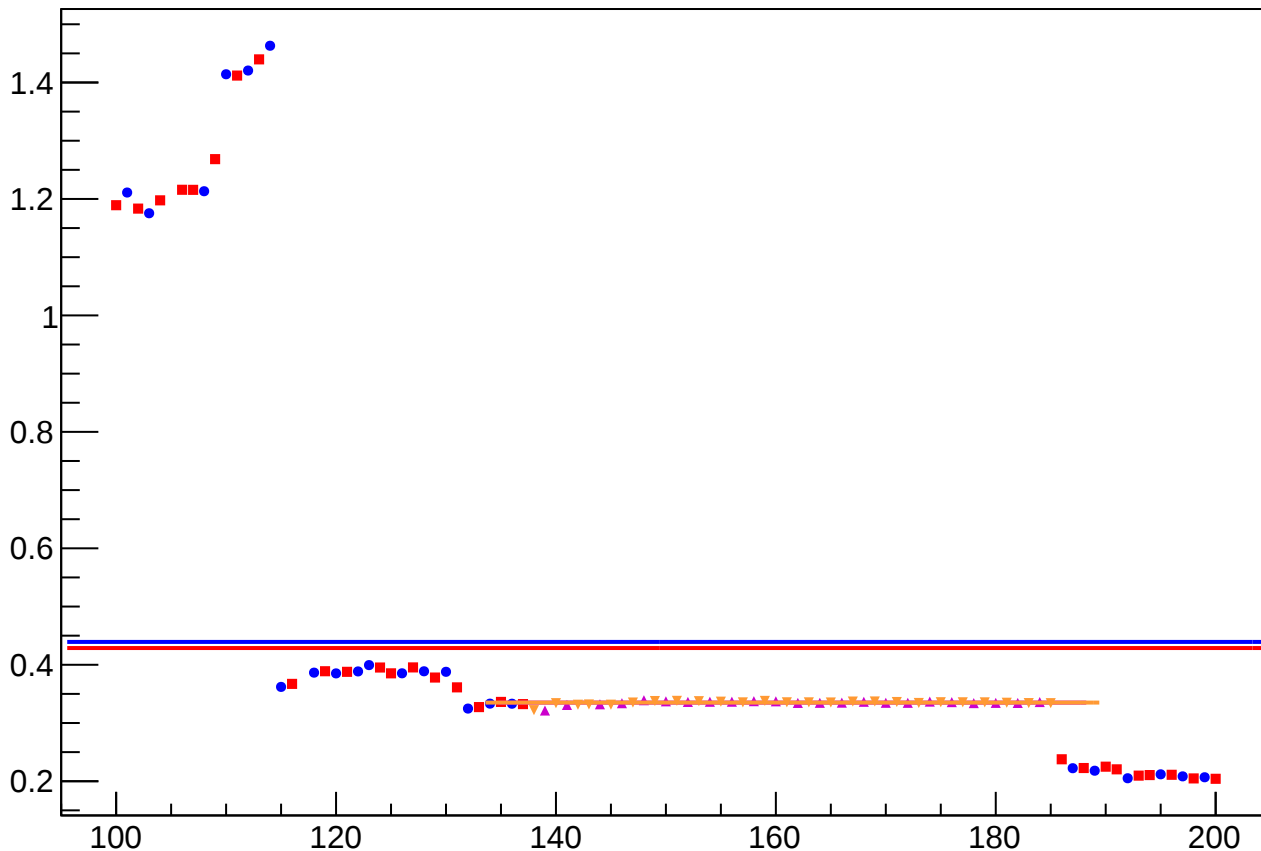
Left In: 0.020+/-0.000 χ^2/NDF : 623148.2/22

+ sign 0.020+/-0.000 χ^2/NDF : 5772537.4/47

All: 0.020+/-0.000 χ^2/NDF : 13334220.5/98

- sign 0.021+/-0.000 χ^2/NDF : 7510091.1/50

yield_bpm4eY_mean vs Slug



Right In: 0.439+/-0.000 χ^2/NDF : 6742025200.1/22

Left Out: 0.335+/-0.000 χ^2/NDF :1154310.3/24

Right Out: 0.429+/-0.000 χ^2/NDF : 8097426304.7/27

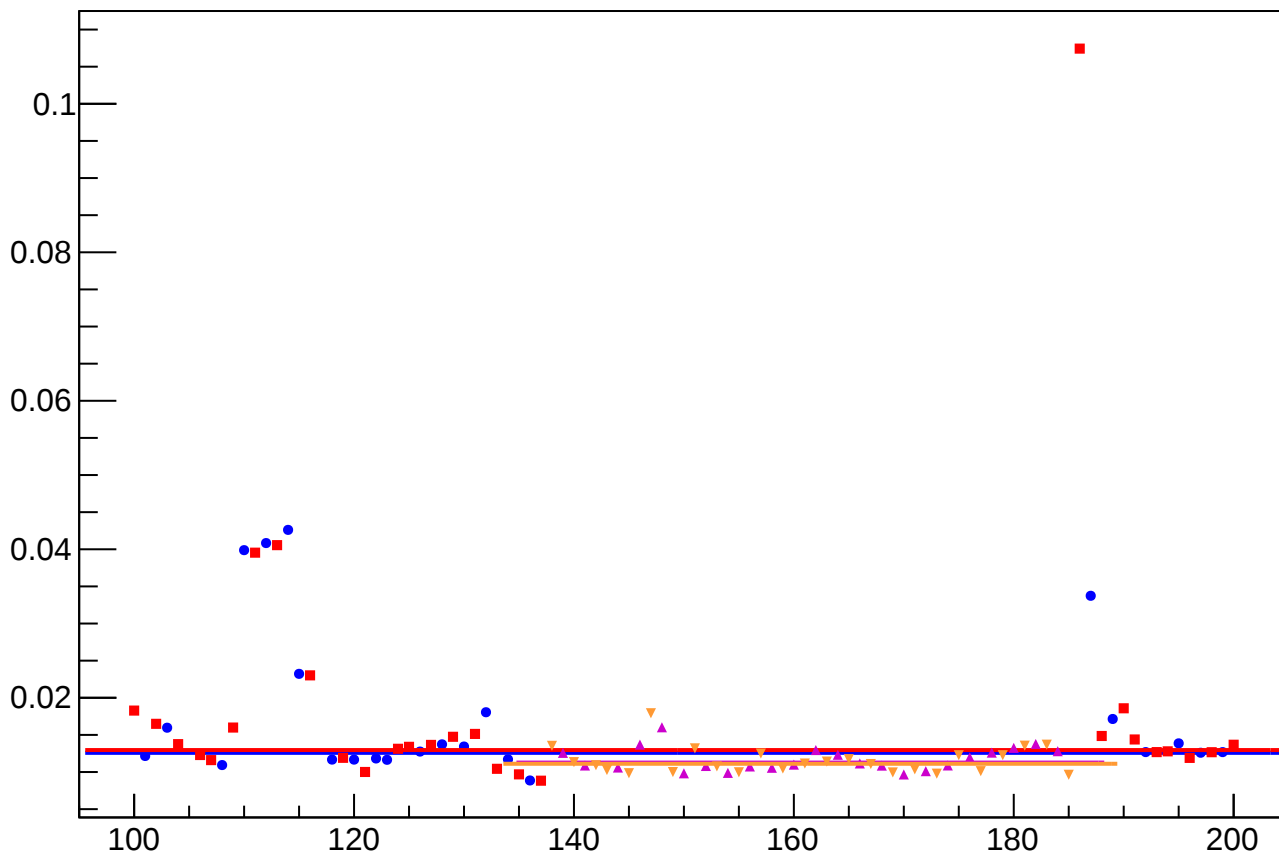
Left In: 0.335+/-0.000 χ^2/NDF :1202194.8/22

+ sign 0.366+/-0.000 χ^2/NDF : 7194574702.1/47

All: 0.366+/-0.000 χ^2/NDF : 15679954879.1/9

- sign 0.367+/-0.000 χ^2/NDF : 8485268158.4/50

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1507262.7/22

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:607532.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1937306.3/27

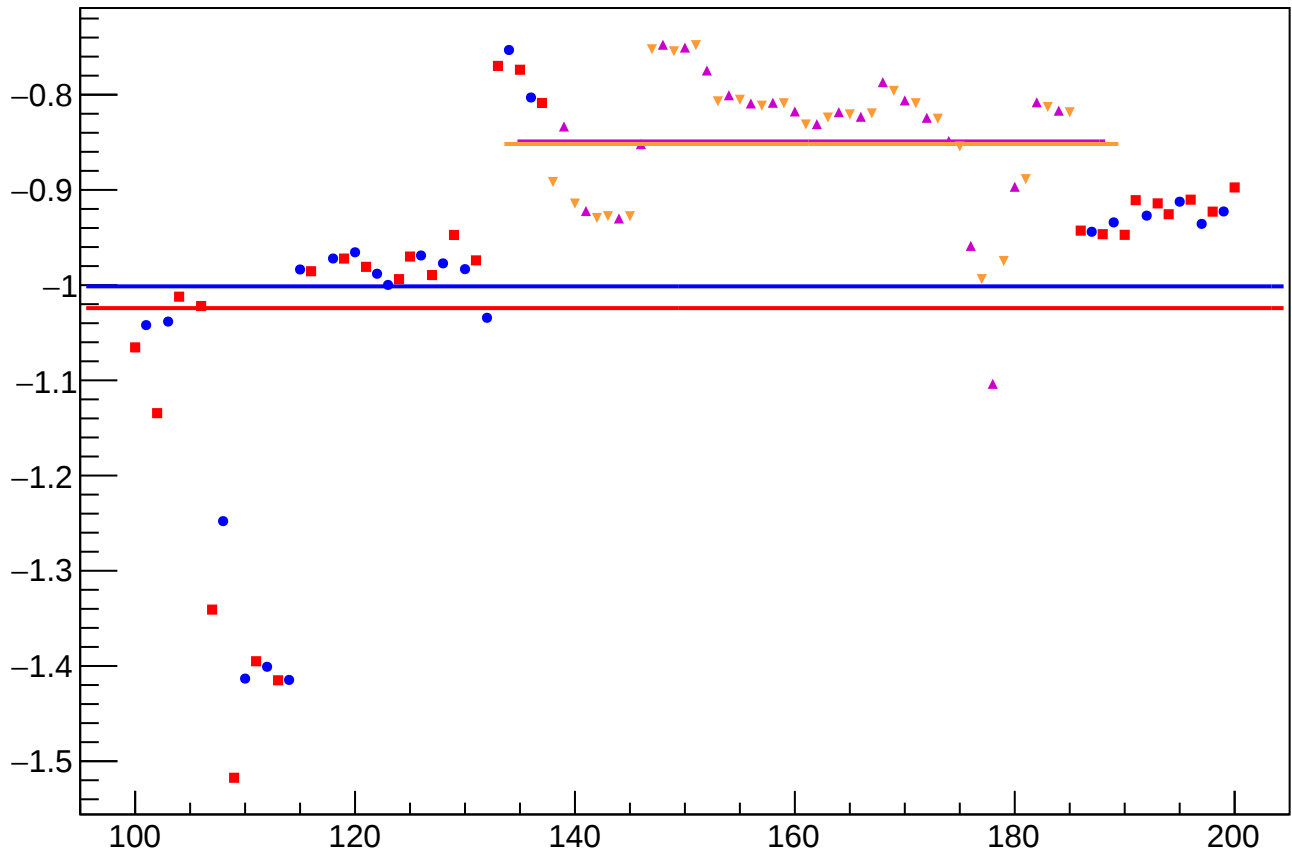
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502455.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2294959.7/47

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5002683.3/98

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2689970.8/50

yield_bpm4acX_mean vs Slug



Right In: -1.001 ± 0.000 χ^2/NDF : 398850911.3/22

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.024 ± 0.000 χ^2/NDF : 551941461.4/27

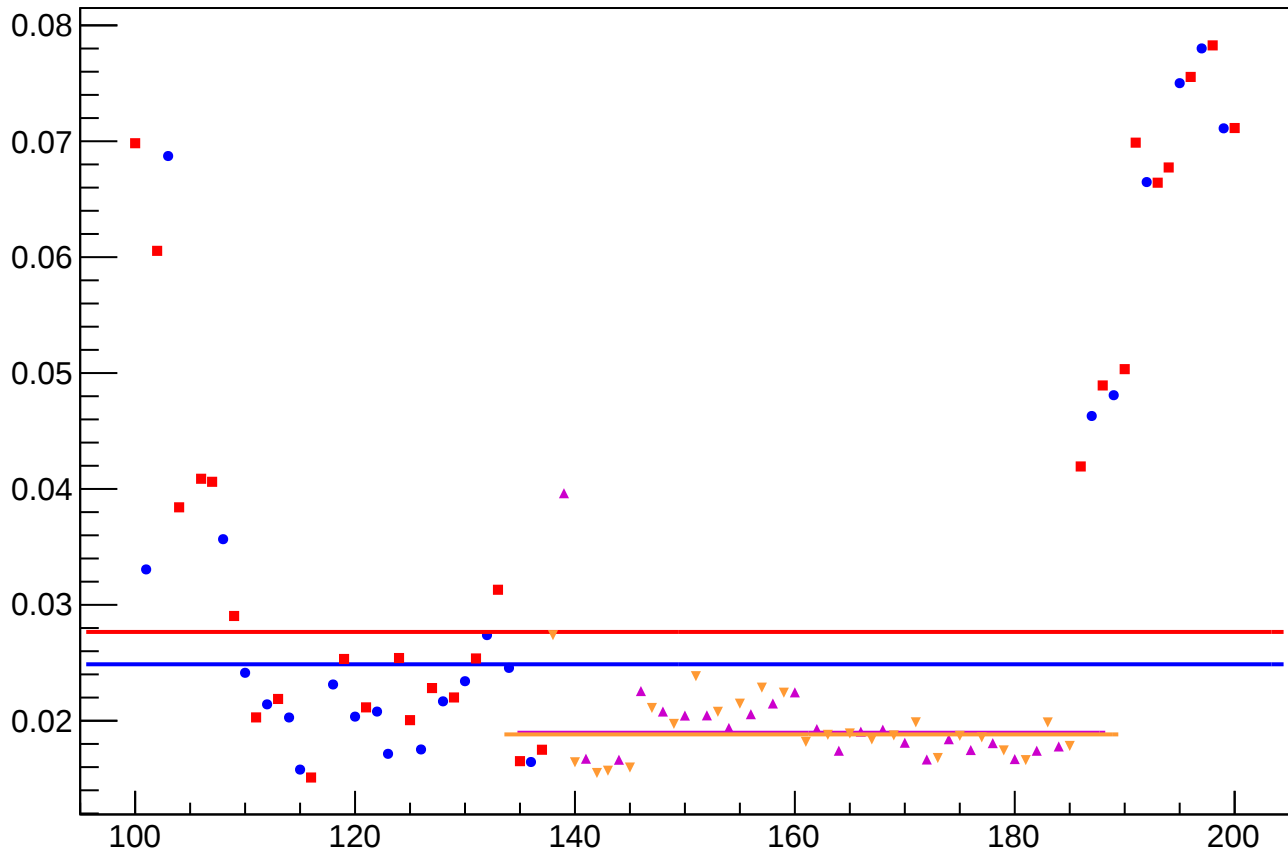
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.885 ± 0.000 χ^2/NDF : 793476196.0/47

All: -0.887 ± 0.000 χ^2/NDF : 1877555442.2/9

- sign -0.890 ± 0.000 χ^2/NDF : 1083426557.4/50

yield_bpm4acX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 4272101.4/22

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490509.4/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 5307090.6/27

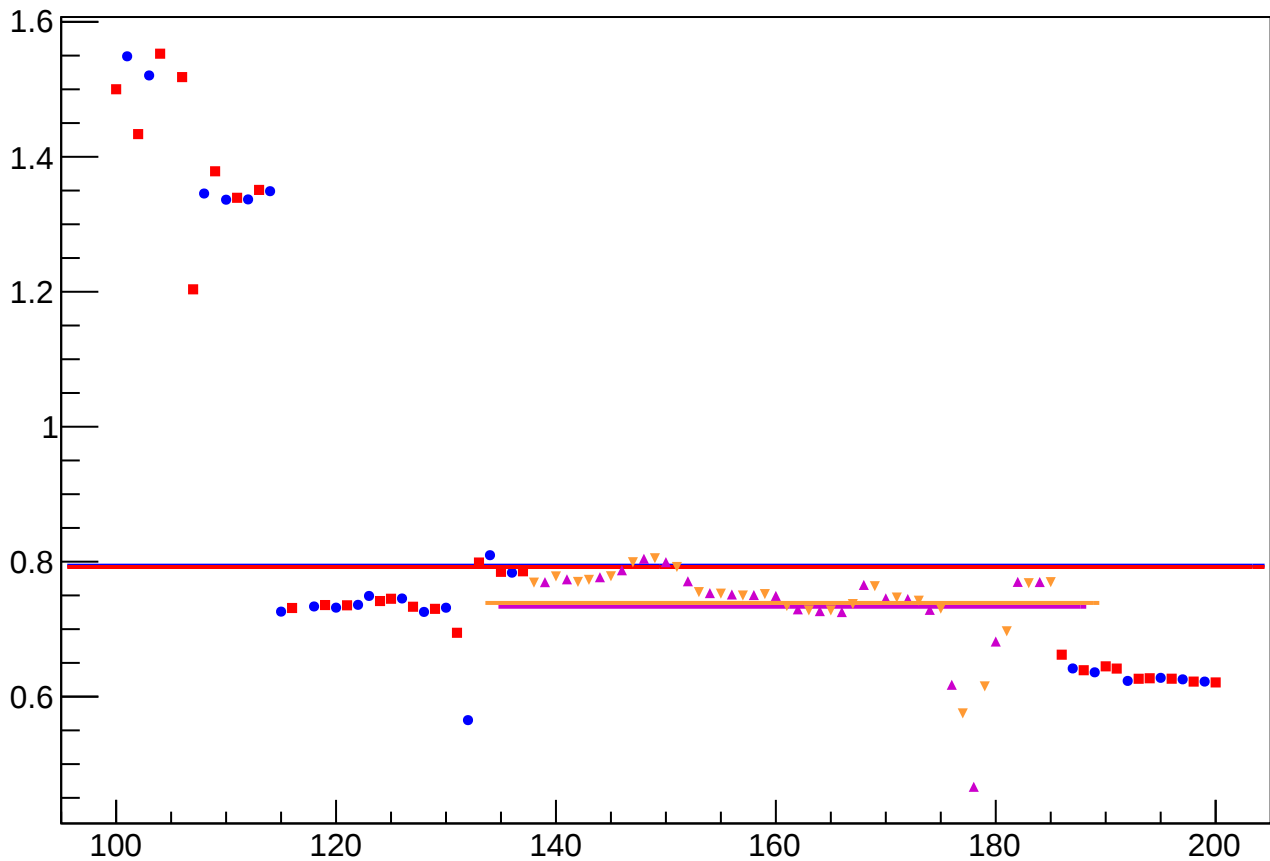
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 615173.8/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5435237.5/47

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 12751094.5/98

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 7280209.7/50

yield_bpm4acY_mean vs Slug



Right In: 0.794 $\pm$ 0.000 χ^2 /NDF: 3145053967.8/22

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

Right Out: 0.792 $\pm$ 0.000 χ^2 /NDF: 3554400409.4/27

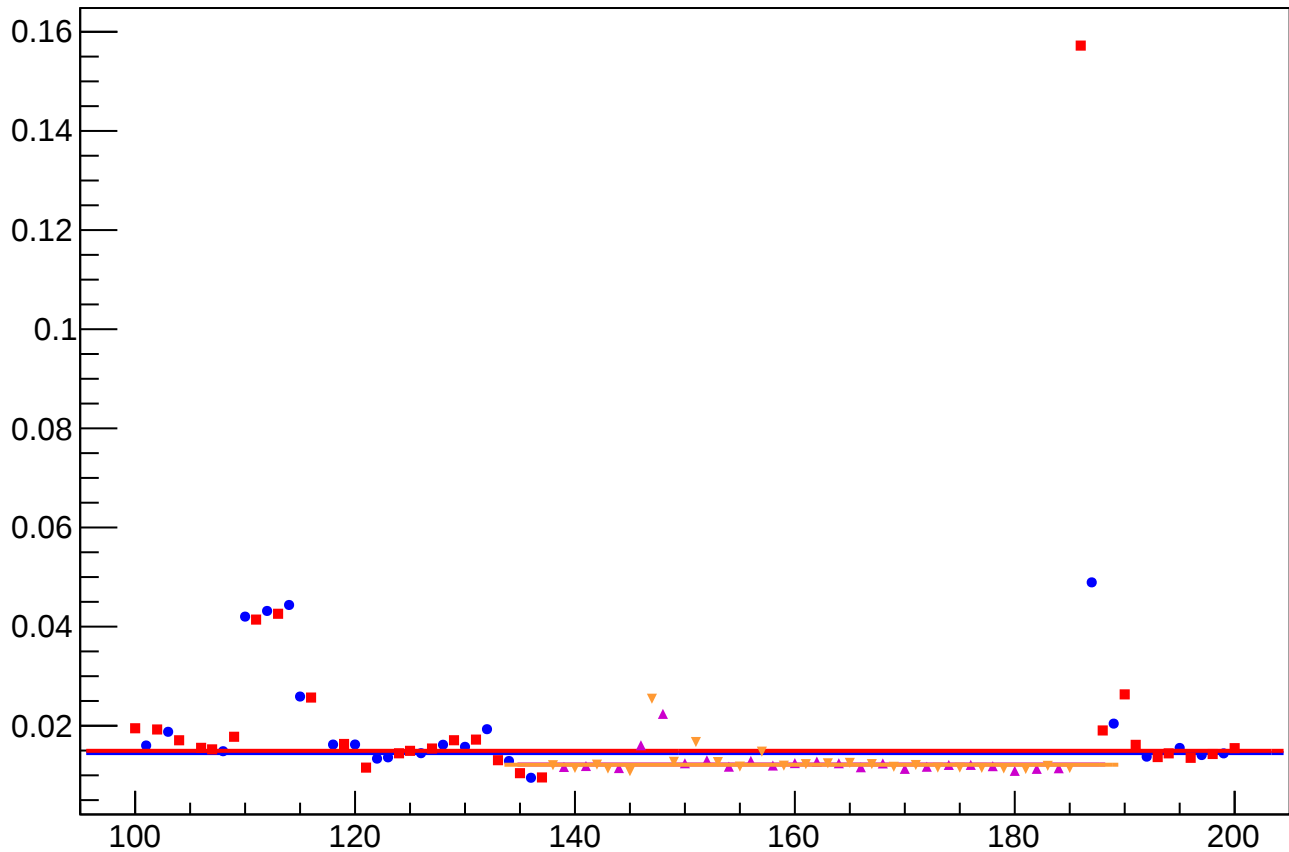
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

+ sign 0.754 $\pm$ 0.000 χ^2 /NDF: 3576358225.5/47

All: 0.753 $\pm$ 0.000 χ^2 /NDF: 7820788160.4/98

- sign 0.751 $\pm$ 0.000 χ^2 /NDF: 4243968930.7/50

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1635858.4/22

Left Out: 0.012+/-0.000 χ^2/NDF : 637986.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2080577.9/27

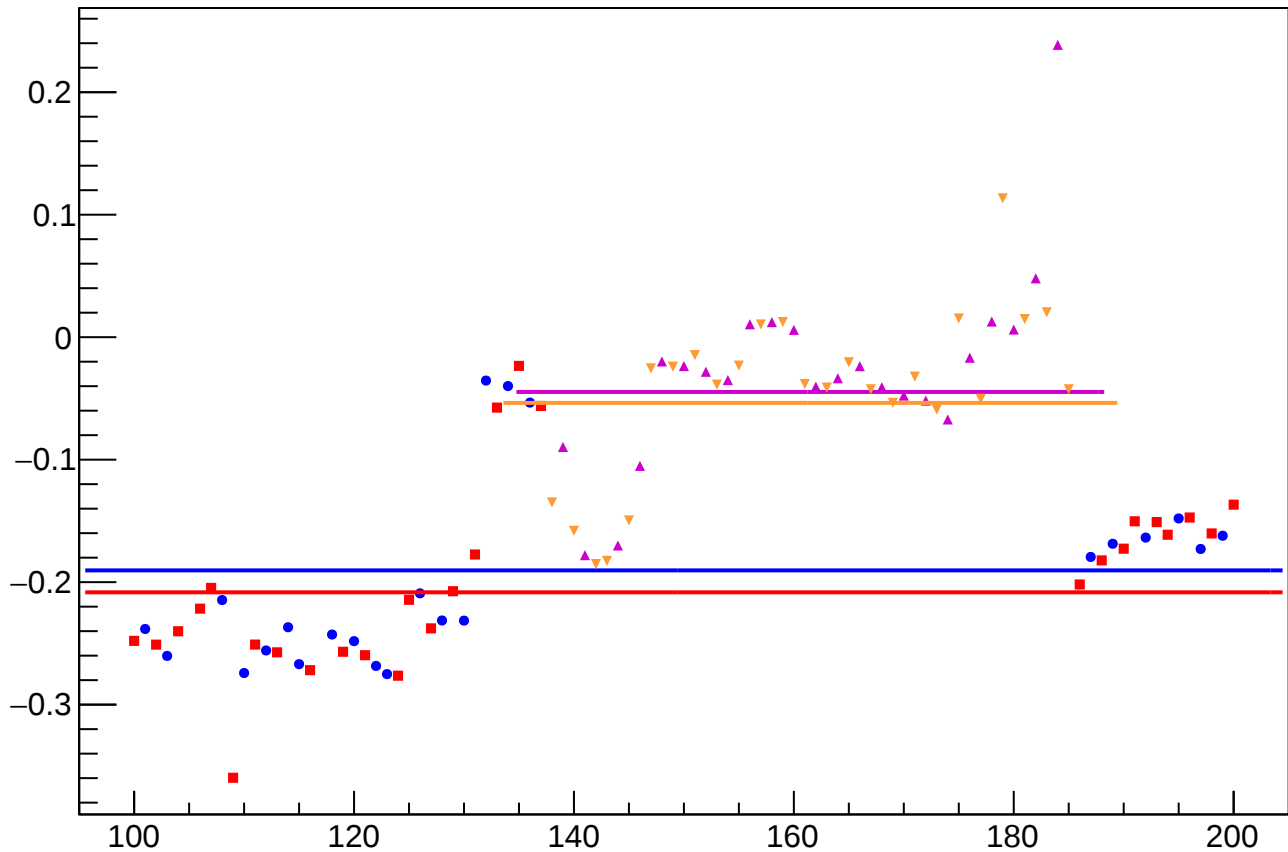
Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

+ sign 0.013+/-0.000 χ^2/NDF : 2628262.4/47

All: 0.013+/-0.000 χ^2/NDF : 5727863.8/98

- sign 0.013+/-0.000 χ^2/NDF : 3087866.5/50

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 χ^2/NDF : 106886502.9/22

Left Out: -0.054 ± 0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.208 ± 0.000 χ^2/NDF : 113833196.2/27

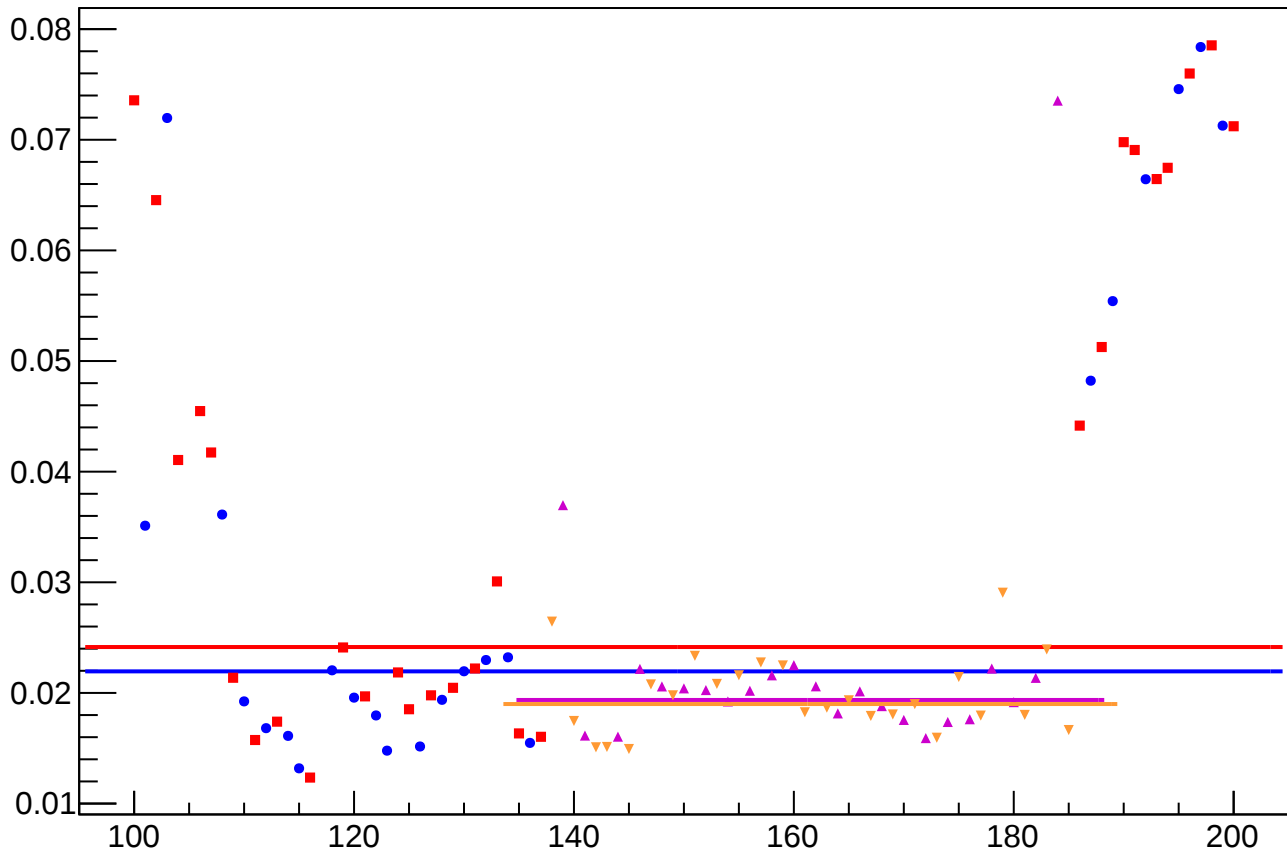
Left In: -0.045 ± 0.000 χ^2/NDF : 127192425.2/22

+ sign -0.090 ± 0.000 χ^2/NDF : 473969809.1/47

All: -0.090 ± 0.000 χ^2/NDF : 991737705.5/98

- sign -0.091 ± 0.000 χ^2/NDF : 517747608.0/50

yield_bpm4ecX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 4954753.4/22

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 6483645.4/27

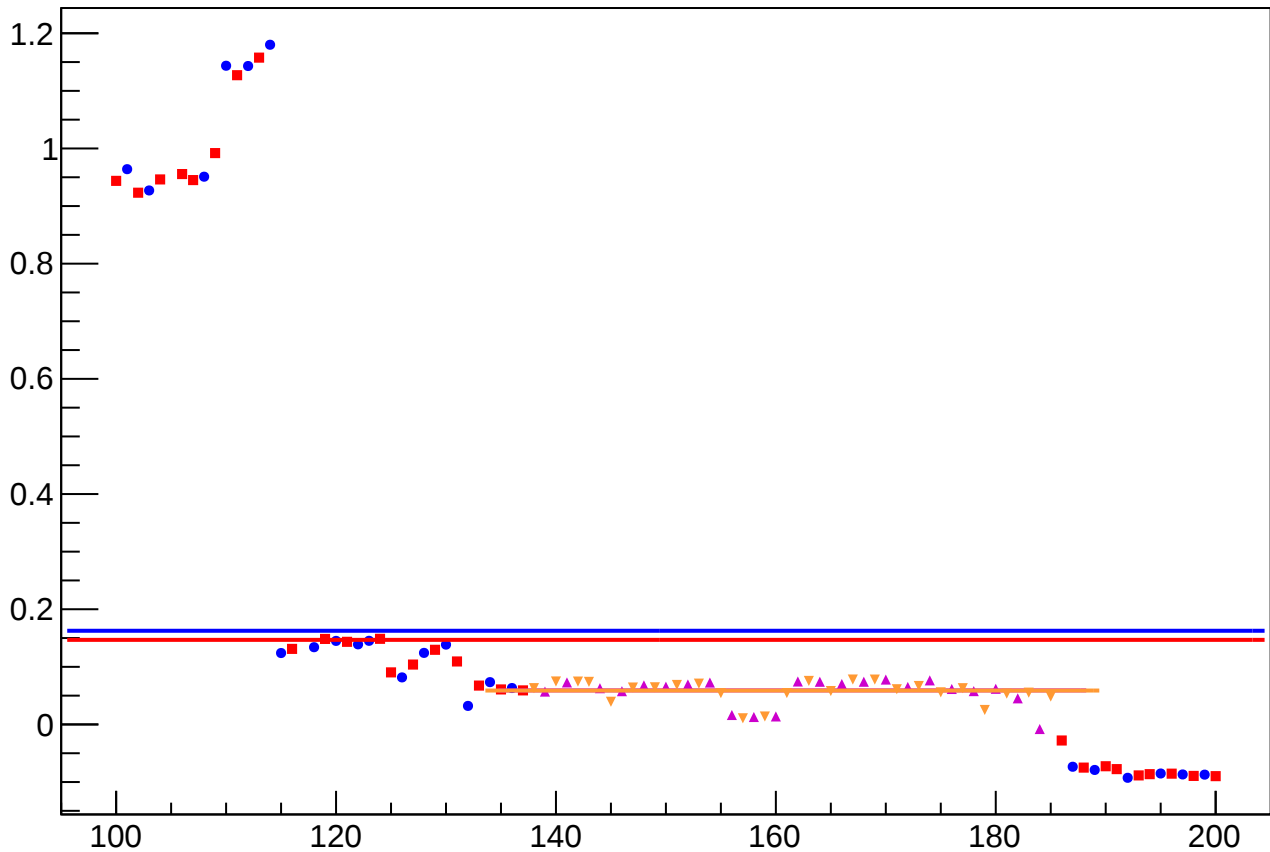
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5840813.5/47

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 13702137.0/98

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 7815322.5/50

yield_bpm4ecY_mean vs Slug



Right In: 0.163+/-0.000 χ^2/NDF : 7220138651.3/22

Left Out: 0.059+/-0.000 χ^2/NDF : 46821236.8/24

+ sign 0.089+/-0.000 χ^2/NDF : 7722398090.1/47

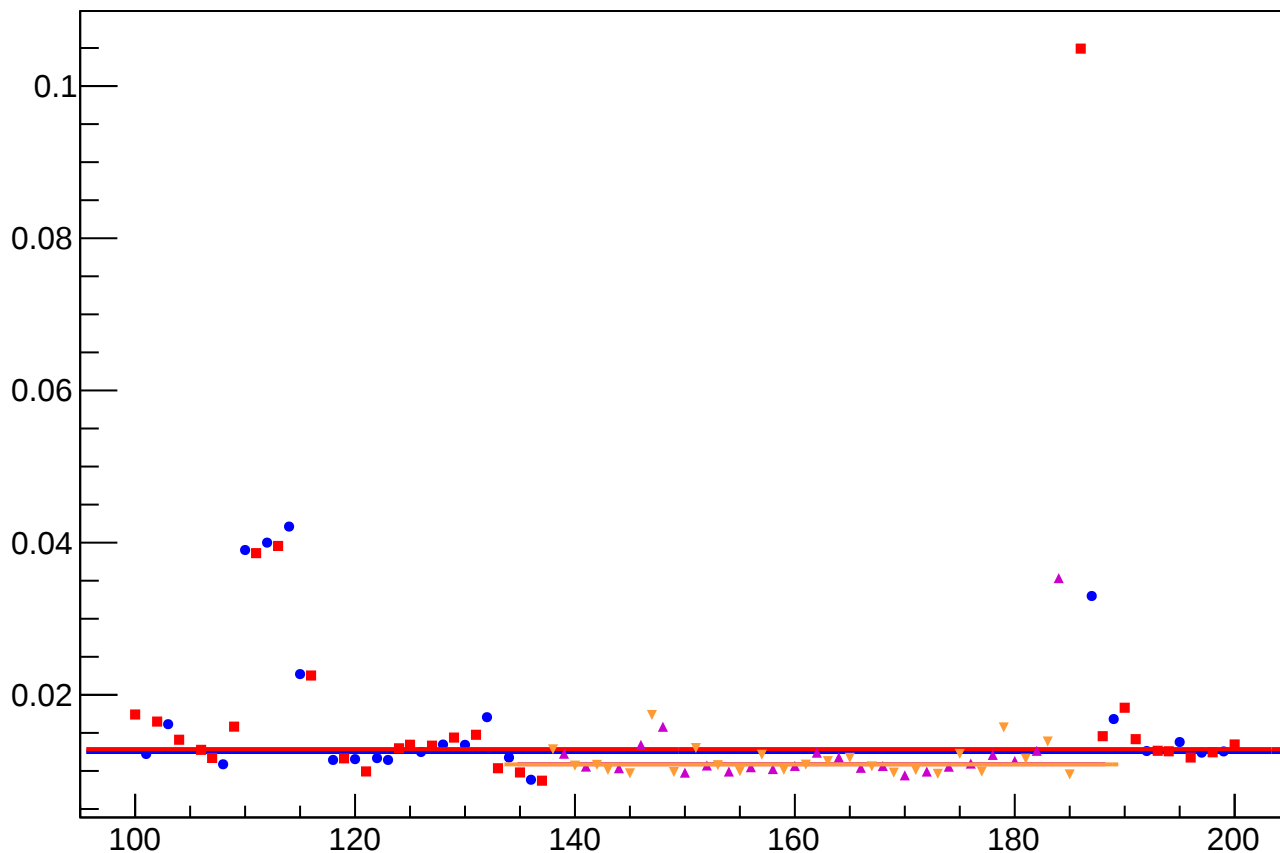
Right Out: 0.147+/-0.000 χ^2/NDF : 8503337813.3/27

All: 0.089+/-0.000 χ^2/NDF : 16631632527.1/9

- sign 0.088+/-0.000 χ^2/NDF : 8909105093.0/50

Left In: 0.059+/-0.000 χ^2/NDF : 58518655.0/22

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1474082.2/22

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1892924.1/27

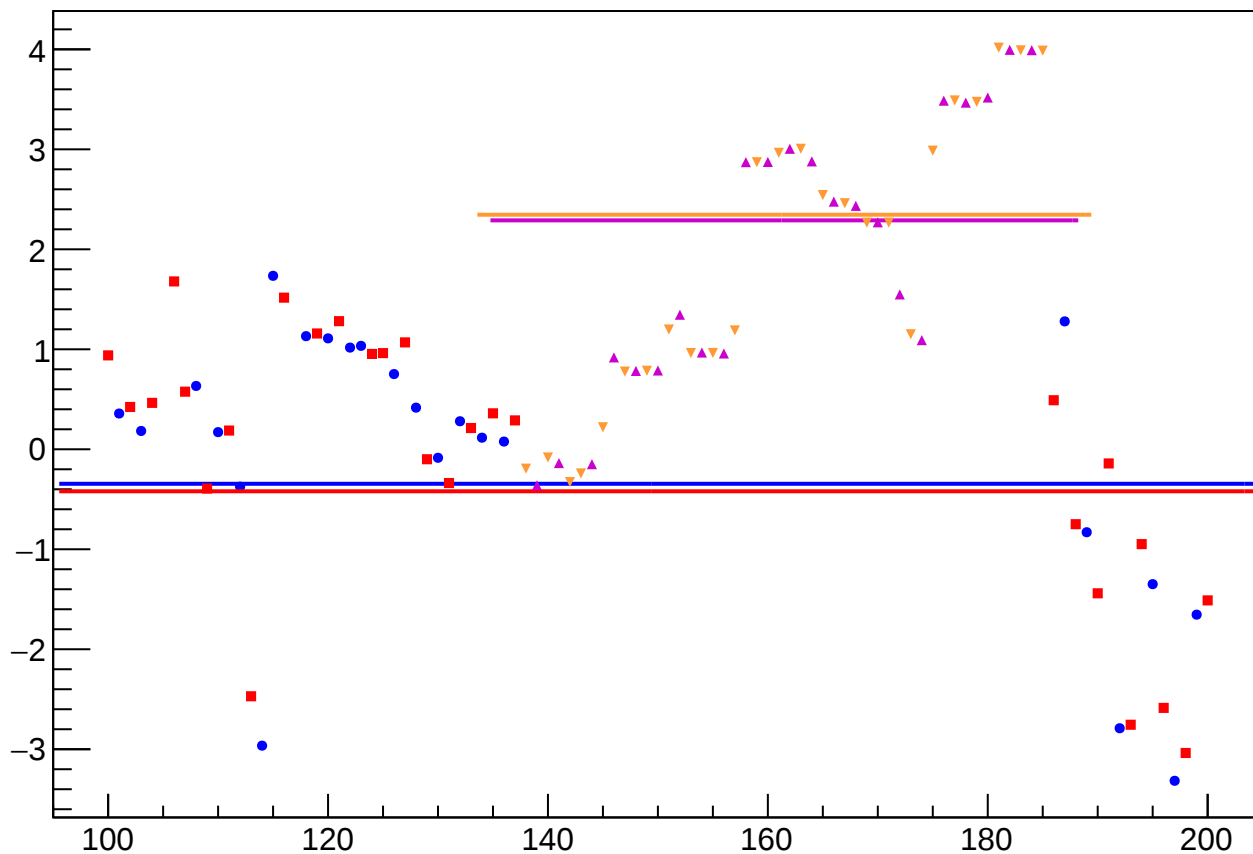
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:530077.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2303013.3/47

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5089081.9/98

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2777101.9/50

yield_bpm1X_mean vs Slug



Right In: -0.345 ± 0.000 $\chi^2/\text{NDF}: 4298597825.4/22$

Left Out: 2.346 ± 0.000 $\chi^2/\text{NDF}: 63481331015.4/24$

Right Out: -0.420 ± 0.000 $\chi^2/\text{NDF}: 5557906929.8/27$

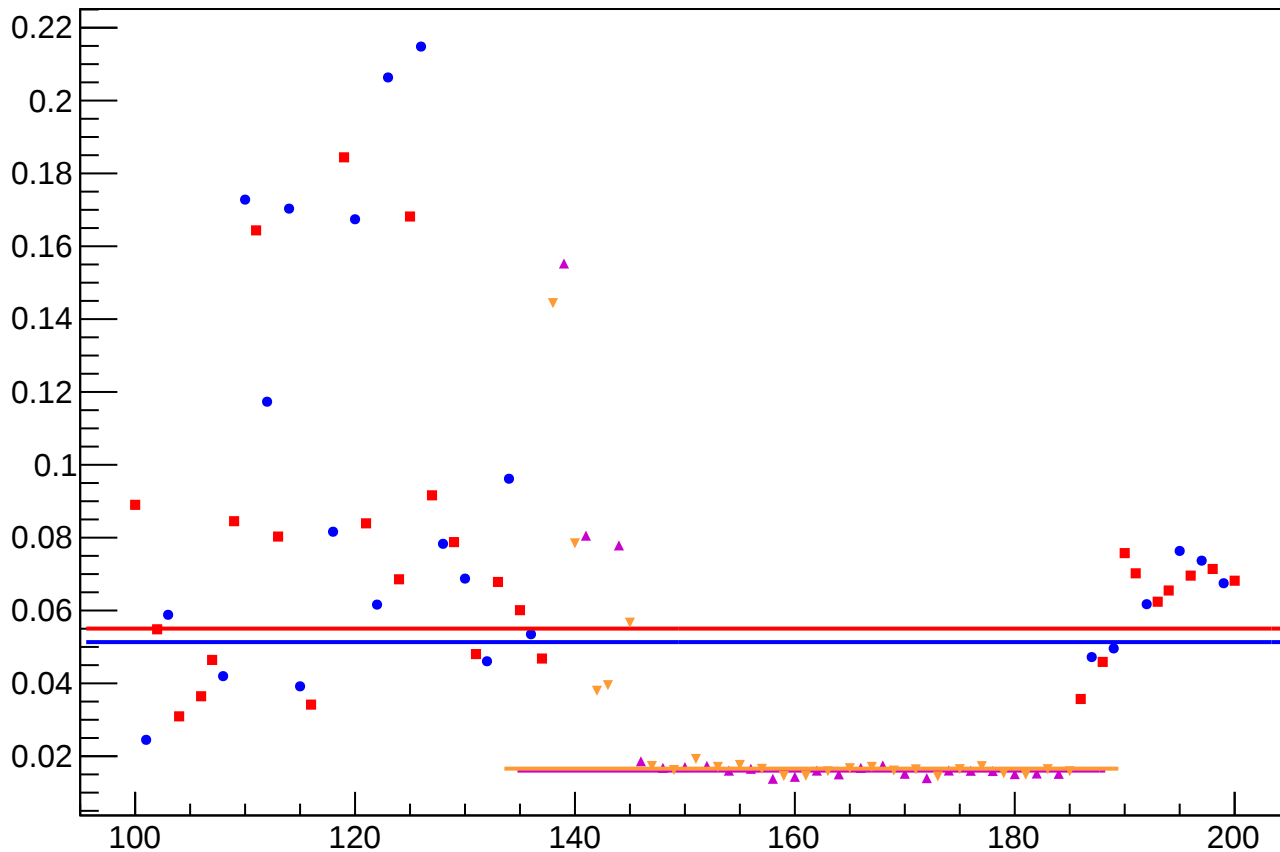
Left In: 2.290 ± 0.000 $\chi^2/\text{NDF}: 60875537647.3/22$

+ sign 2.213 ± 0.000 $\chi^2/\text{NDF}: 86046446387.7/47$

All: 2.174 ± 0.000 $\chi^2/\text{NDF}: 174067694337.5$

- sign 2.137 ± 0.000 $\chi^2/\text{NDF}: 87865485006.6/50$

yield_bpm1X_rms vs Slug



Right In: 0.051 ± 0.000 χ^2/NDF : 3411789.4/22

Left Out: 0.017 ± 0.000 χ^2/NDF : 2621162.1/24

Right Out: 0.055 ± 0.000 χ^2/NDF : 2793861.2/27

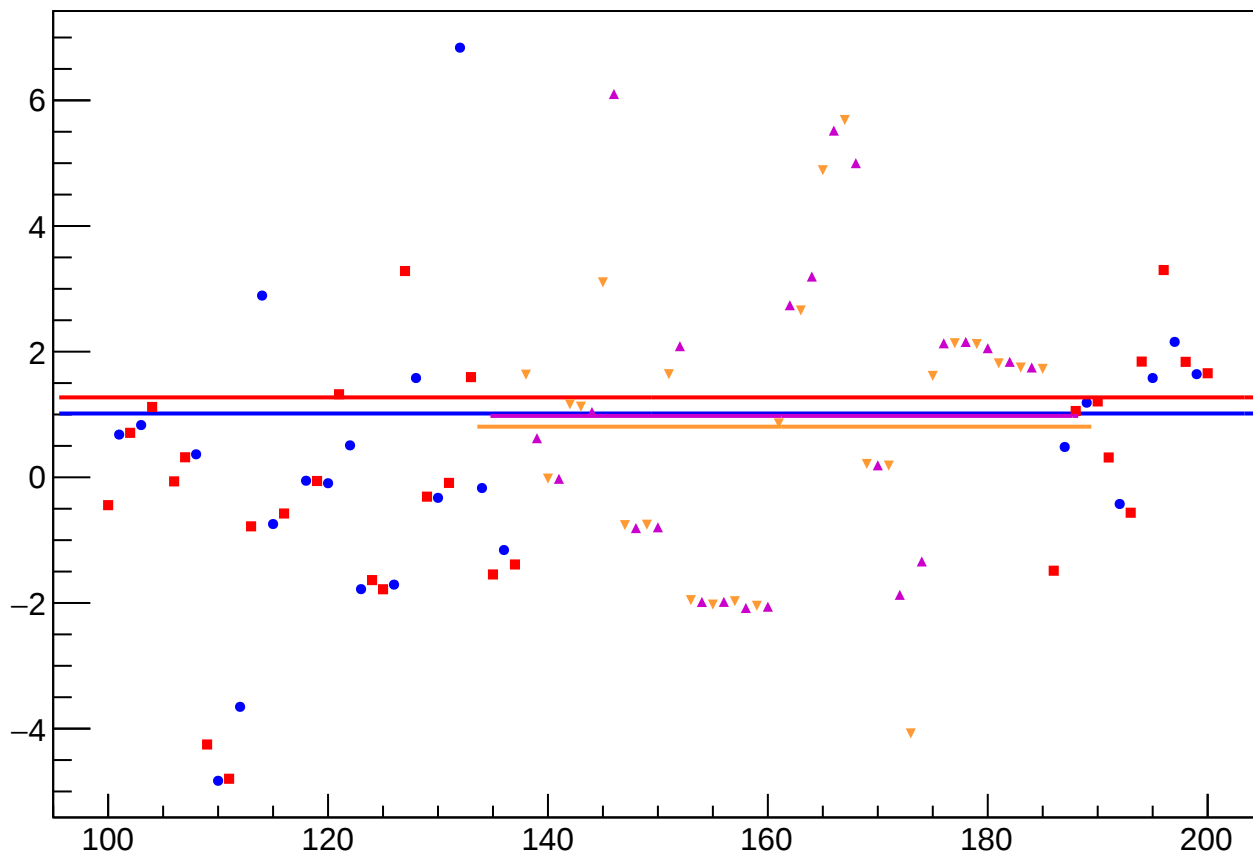
Left In: 0.016 ± 0.000 χ^2/NDF : 2394376.5/22

+ sign 0.018 ± 0.000 χ^2/NDF : 12120822.5/47

All: 0.018 ± 0.000 χ^2/NDF : 26183162.2/98

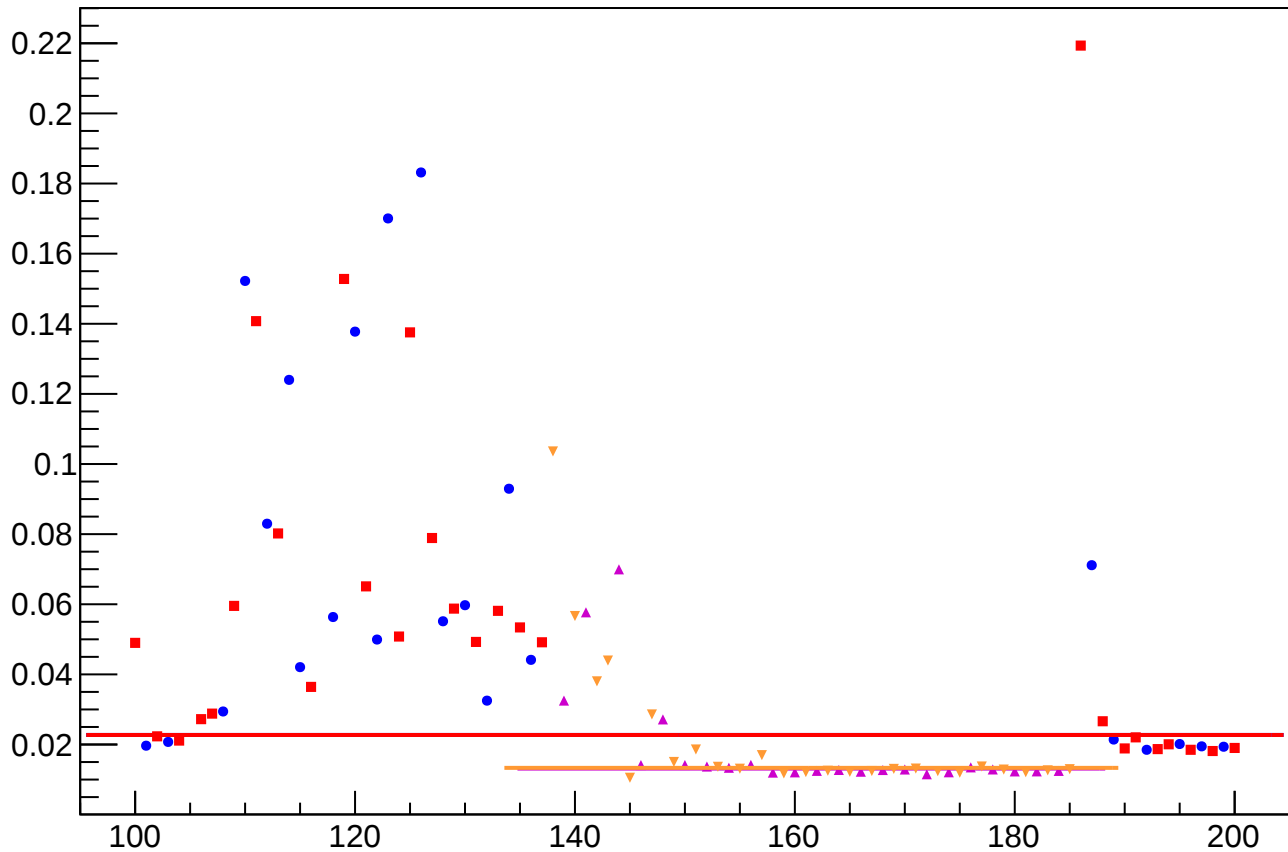
- sign 0.018 ± 0.000 χ^2/NDF : 14062125.9/50

yield_bpm1Y_mean vs Slug



Right In: 1.016 $\pm$ 0.000	χ^2 /NDF: 19343592458.6/22	+ sign 0.833 $\pm$ 0.000	χ^2 /NDF: 527402243967.4/47
Left Out: 0.806 $\pm$ 0.000	χ^2 /NDF: 507578952196.2/24	All: 0.930 $\pm$ 0.000	χ^2 /NDF: 1122461357445.
Right Out: 1.272 $\pm$ 0.000	χ^2 /NDF: 23904076780.4/27	- sign 1.023 $\pm$ 0.000	χ^2 /NDF: 593265319947.4/50
Left In: 0.977 $\pm$ 0.000	χ^2 /NDF: 568209676597.4/22		

yield_bpm1Y_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 3704676.3/22

Left Out: 0.013+/-0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.023+/-0.000 χ^2/NDF : 4757414.2/27

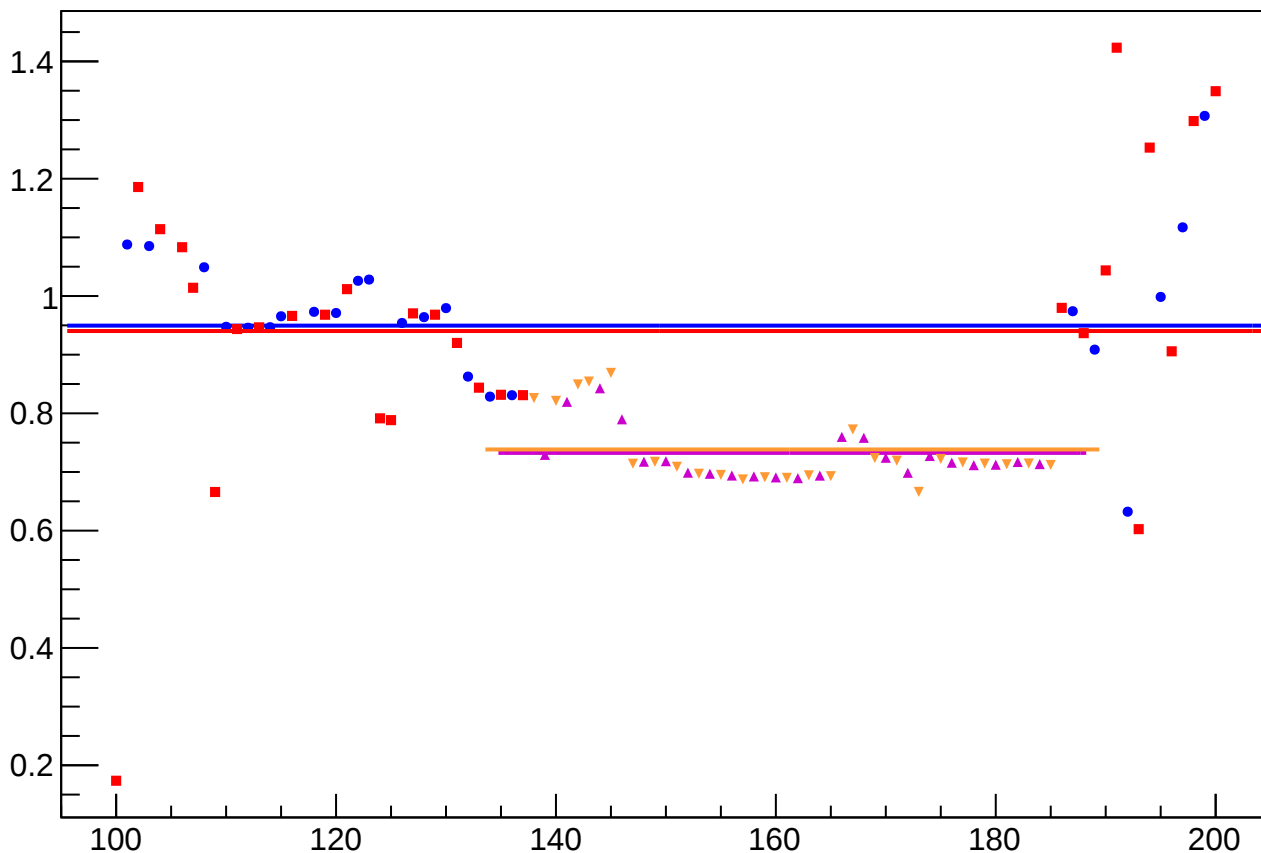
Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

+ sign 0.015+/-0.000 χ^2/NDF : 8459224.9/47

All: 0.015+/-0.000 χ^2/NDF : 17594505.4/98

- sign 0.015+/-0.000 χ^2/NDF : 9134620.2/50

yield_bpm11X_mean vs Slug



Right In: 0.950 $\pm$ 0.000 χ^2 /NDF: 413014012.7/22

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310195180.4/24

Right Out: 0.940 $\pm$ 0.000 χ^2 /NDF: 852712369.9/27

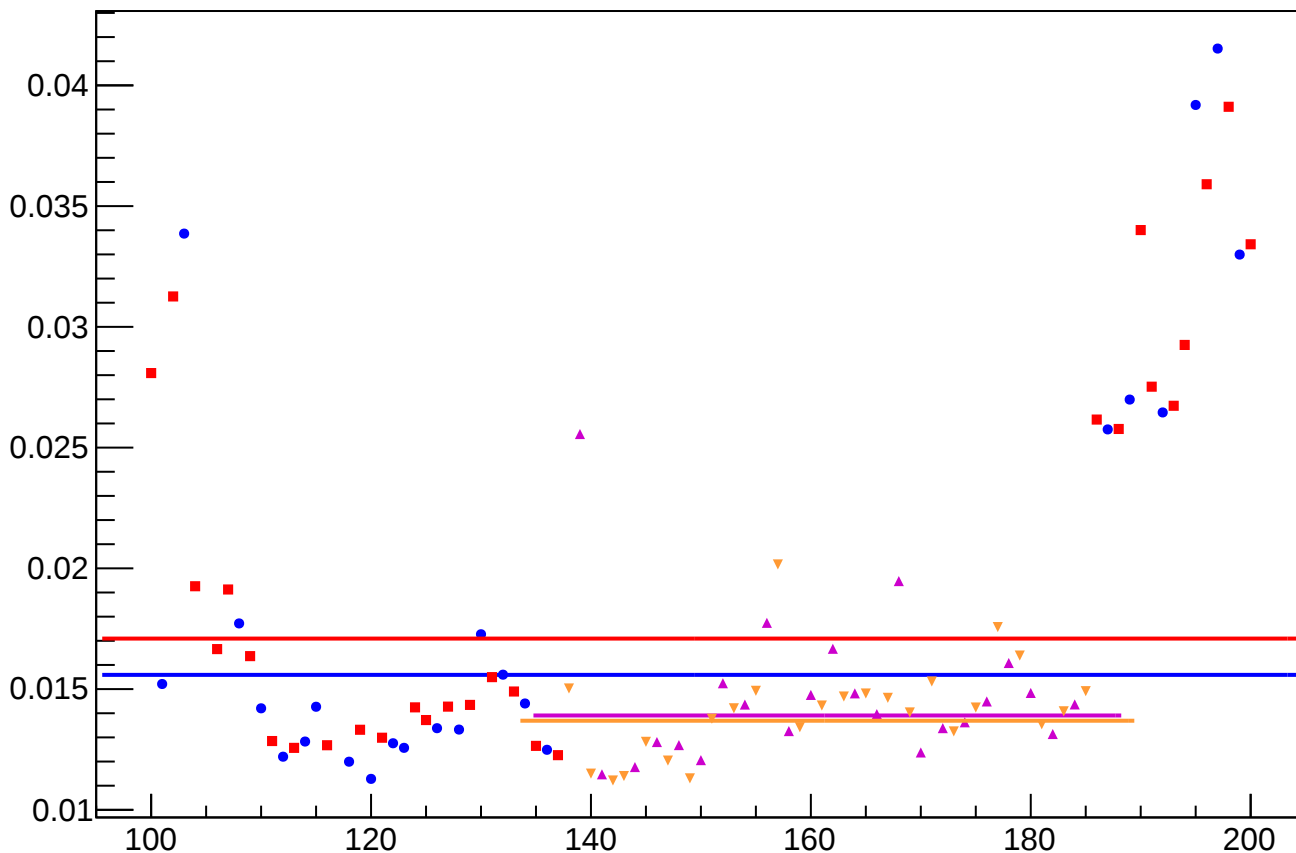
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.799 $\pm$ 0.000 χ^2 /NDF: 1823621464.1/47

All: 0.798 $\pm$ 0.000 χ^2 /NDF: 3905191169.0/98

- sign 0.796 $\pm$ 0.000 χ^2 /NDF: 2081226270.3/50

yield_bpm11X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 2787248.7/22

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:528480.6/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 3166486.7/27

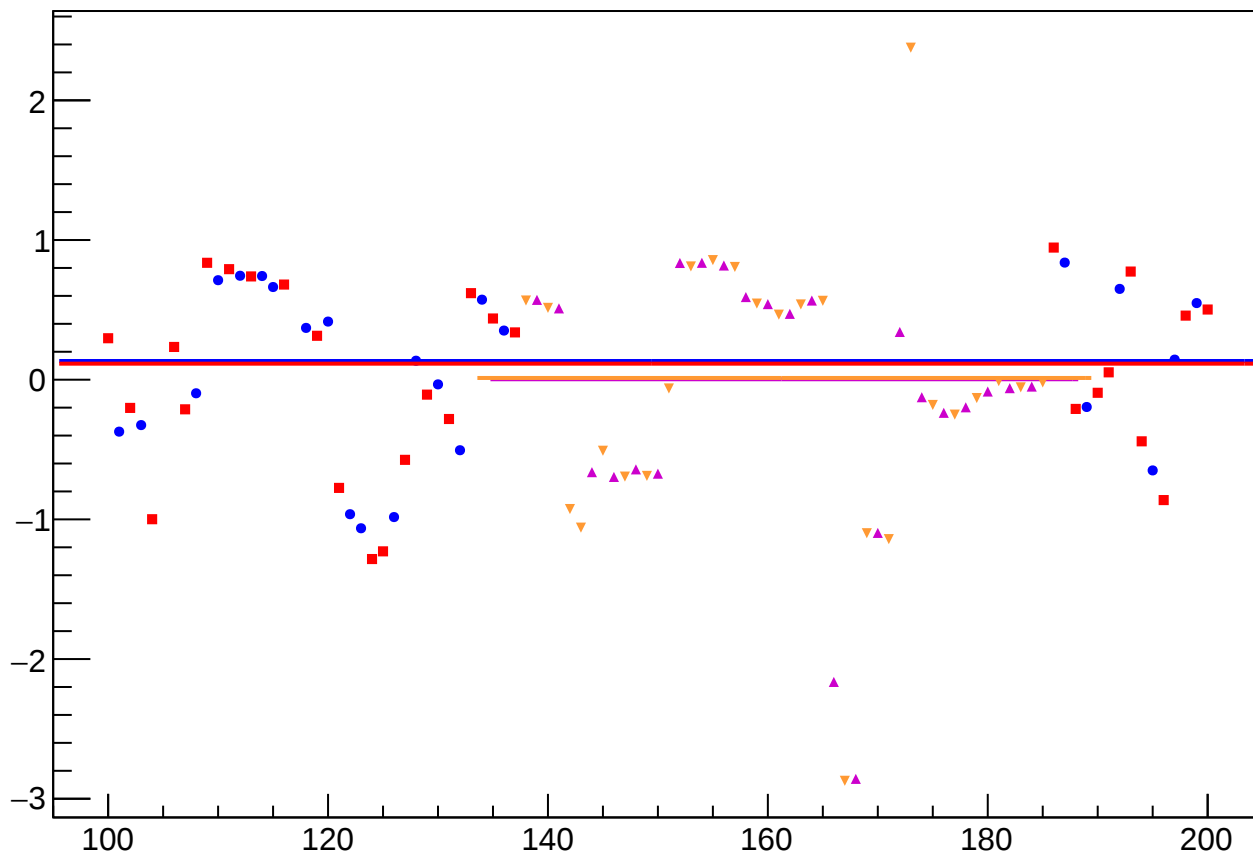
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:768161.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 3493741.3/47

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 7975825.0/98

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 4431937.2/50

yield_bpm11Y_mean vs Slug



Right In: 0.134 $\pm$ 0.000 χ^2 /NDF: 13504059248.1/22

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 96383858927.1/24

Right Out: 0.115 $\pm$ 0.000 χ^2 /NDF: 24620642345.2/27

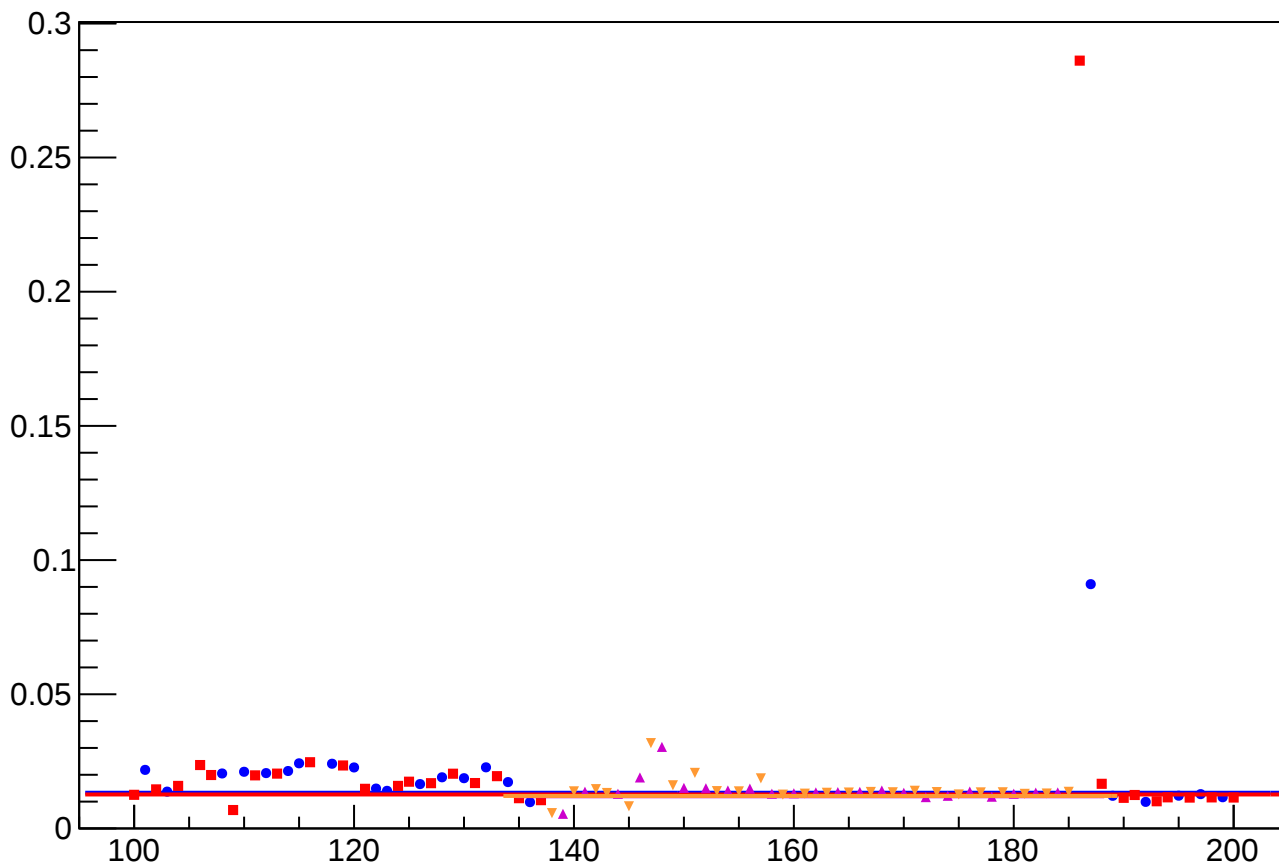
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 78826489573.0/22

+ sign 0.051 $\pm$ 0.000 χ^2 /NDF: 110393554811.5/47

All: 0.048 $\pm$ 0.000 χ^2 /NDF: 214342042887.6

- sign 0.046 $\pm$ 0.000 χ^2 /NDF: 103946788662.2/50

yield_bpm11Y_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1846142.0/22

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2516494.0/27

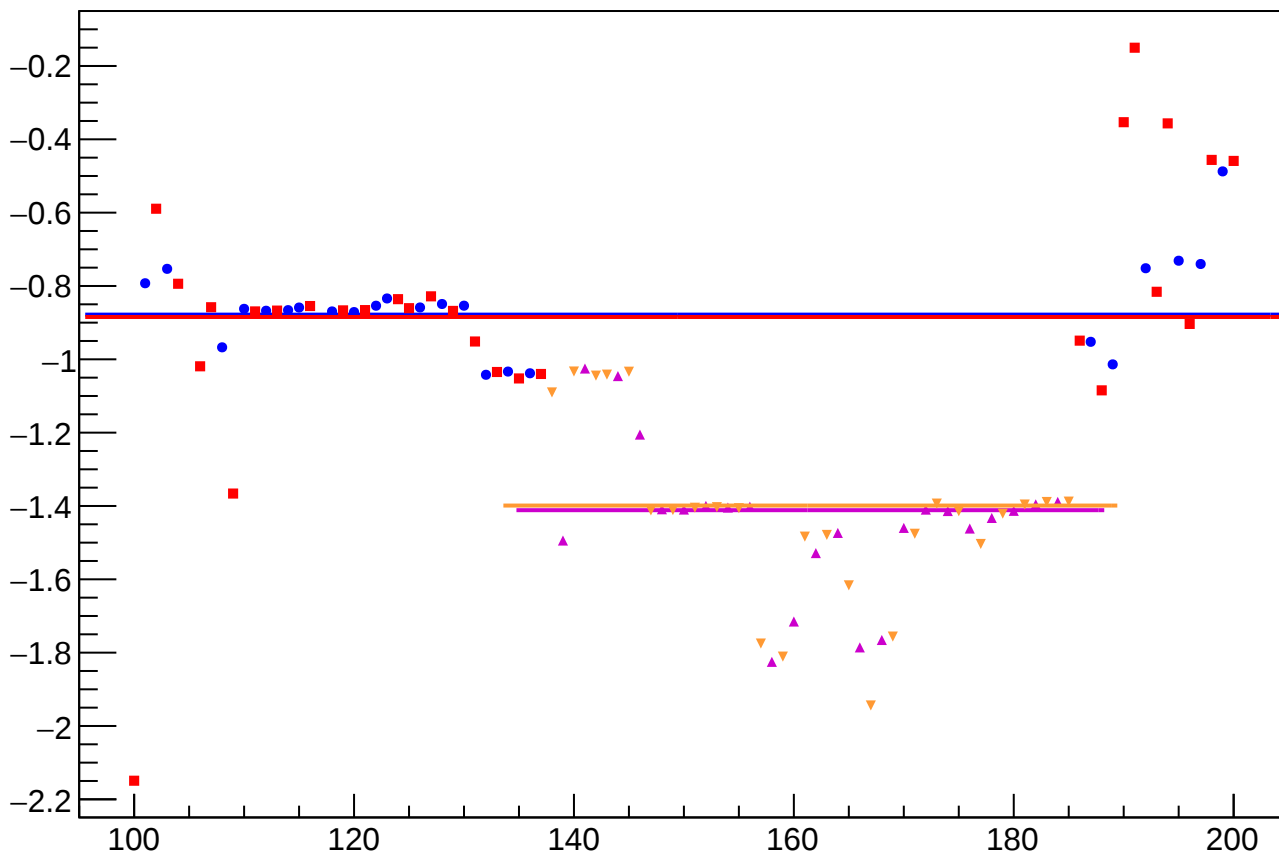
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5050254.5/47

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10614523.7/98

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5555507.2/50

yield_bpm12X_mean vs Slug



Right In: -0.878 ± 0.000 χ^2/NDF : 69919821.6/22

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.885 ± 0.000 χ^2/NDF : 281682802.2/27

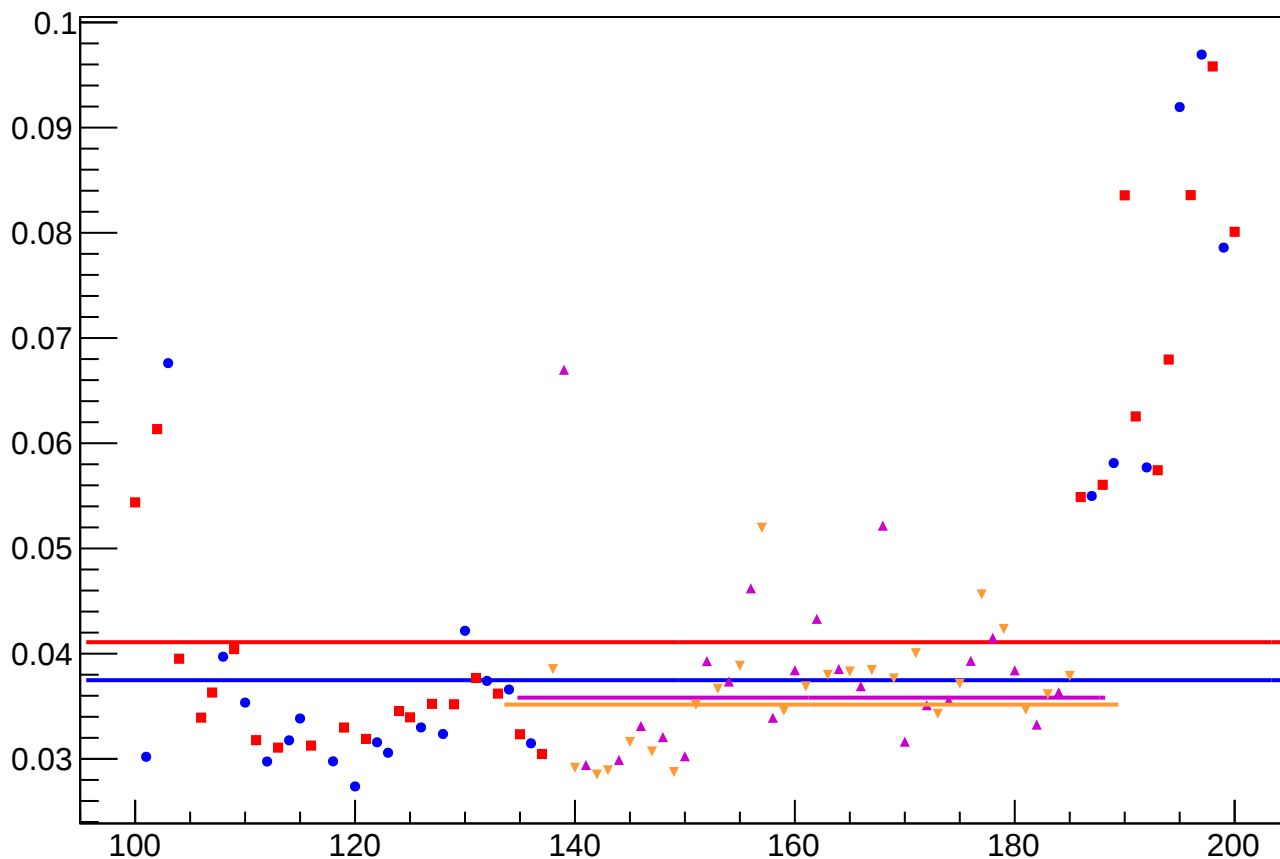
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.232 ± 0.000 χ^2/NDF : 1931068746.9/47

All: -1.231 ± 0.000 χ^2/NDF : 3861378418.7/9

- sign -1.230 ± 0.000 χ^2/NDF : 1930267055.0/50

yield_bpm12X_rms vs Slug



Right In: 0.037 $\pm$ 0.000 χ^2 /NDF: 2449648.2/22

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:595219.5/24

Right Out: 0.041 $\pm$ 0.000 χ^2 /NDF: 2674252.2/27

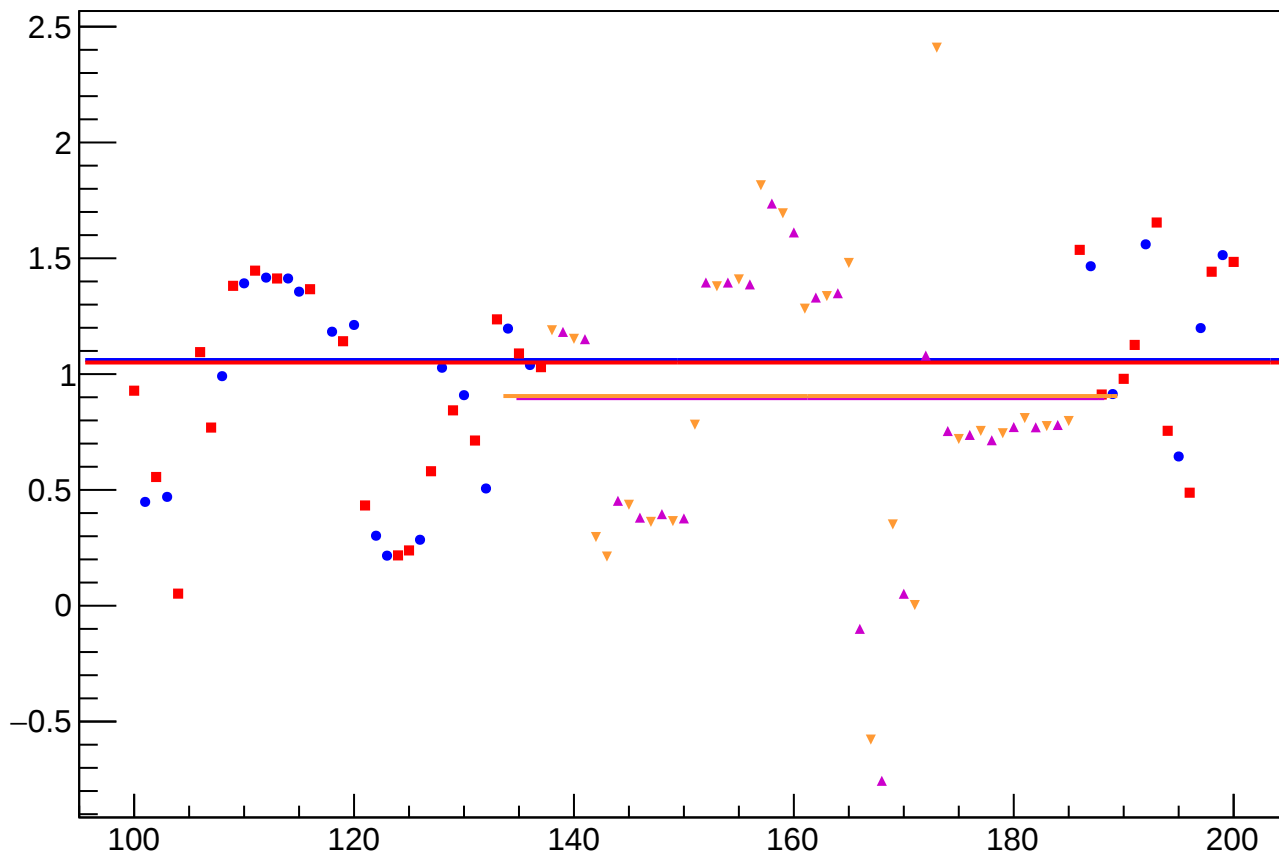
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:864147.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 3089400.6/47

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 6910915.7/98

- sign 0.038 $\pm$ 0.000 χ^2 /NDF: 3765875.0/50

yield_bpm12Y_mean vs Slug



Right In: 1.061 $\pm$ 0.000 χ^2 /NDF: 17231254344.5/22

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.050 $\pm$ 0.000 χ^2 /NDF: 23892119417.1/27

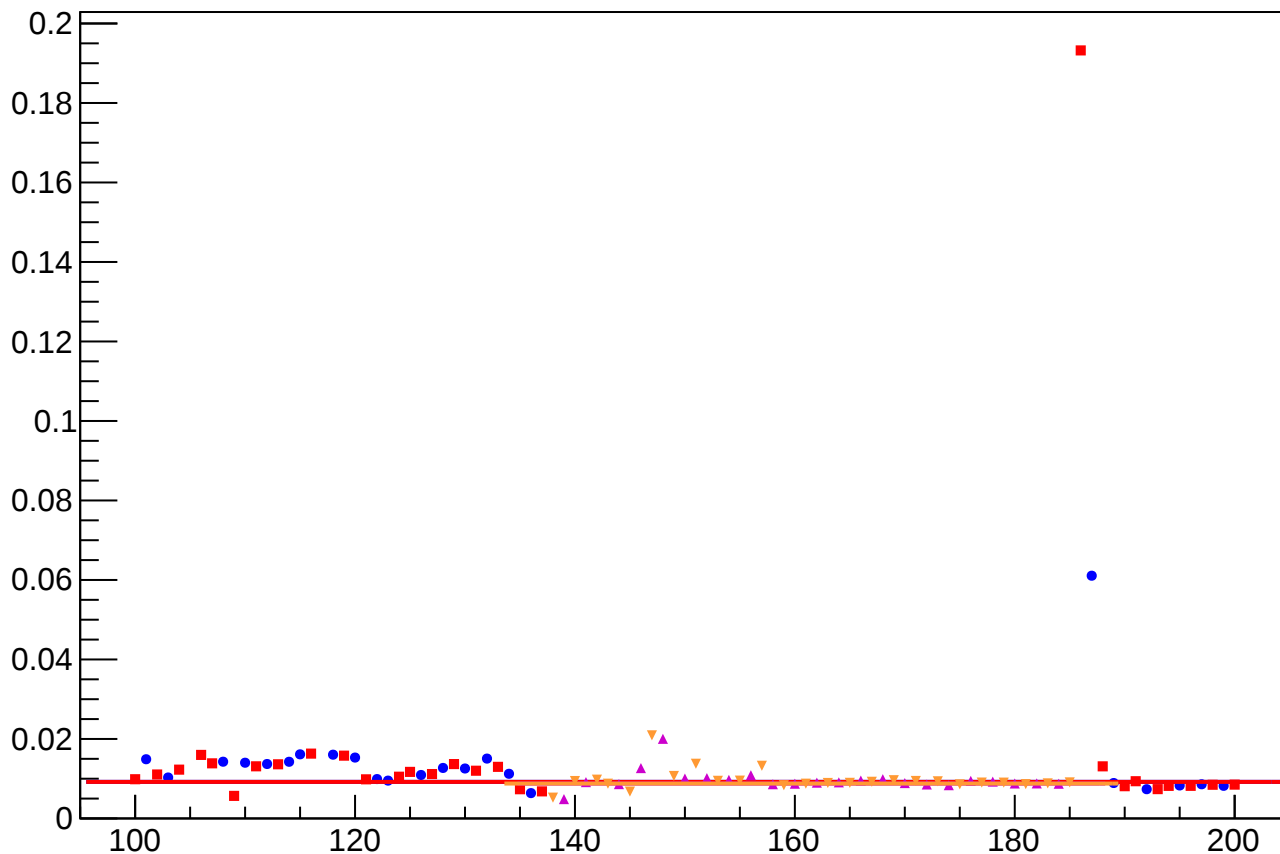
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.956 $\pm$ 0.000 χ^2 /NDF: 103227191895.8/47

All: 0.956 $\pm$ 0.000 χ^2 /NDF: 195570366482.2

- sign 0.955 $\pm$ 0.000 χ^2 /NDF: 92343016752.7/50

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1723033.1/22

Left Out: 0.009+/-0.000 χ^2/NDF : 1697568.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2181520.0/27

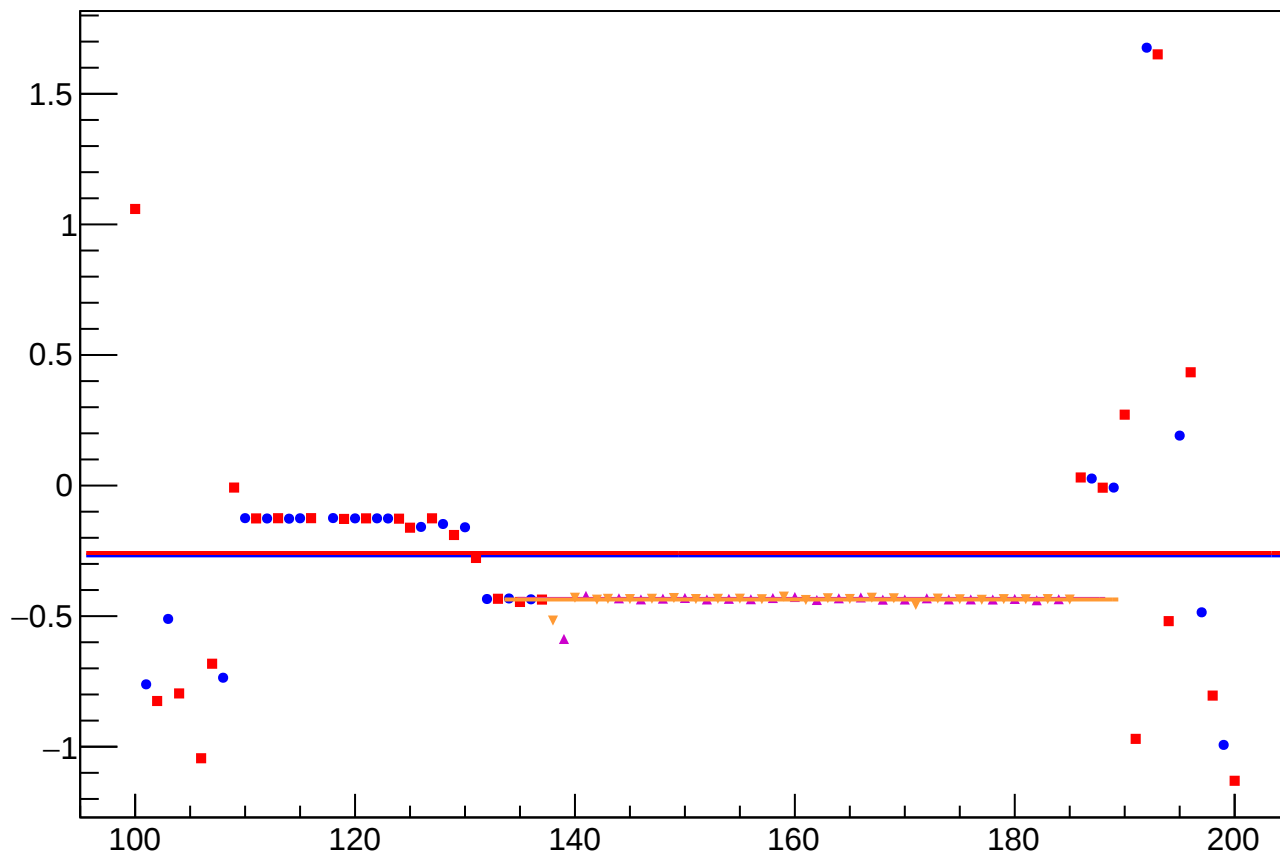
Left In: 0.009+/-0.000 χ^2/NDF : 1607939.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 3446891.3/47

All: 0.009+/-0.000 χ^2/NDF : 7264604.2/98

- sign 0.009+/-0.000 χ^2/NDF : 3817625.1/50

yield_bpm16X_mean vs Slug



Right In: -0.267+/-0.000 χ^2/NDF : 2006083257.7/22

Left Out: -0.436+/-0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.258+/-0.000 χ^2/NDF : 2031721437.2/27

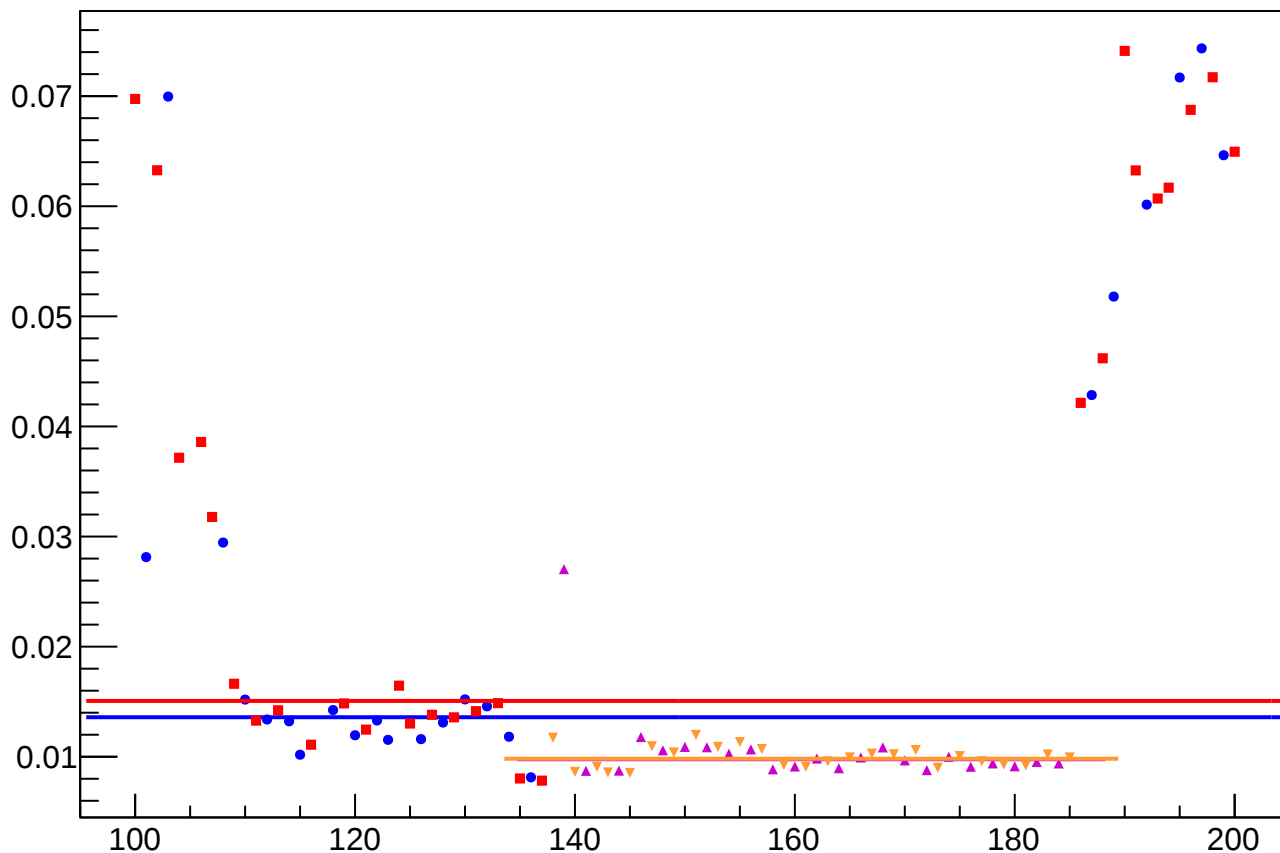
Left In: -0.434+/-0.000 χ^2/NDF : 23984173.0/22

+ sign -0.408+/-0.000 χ^2/NDF : 2816186333.6/47

All: -0.406+/-0.000 χ^2/NDF : 5678478708.0/9

- sign -0.404+/-0.000 χ^2/NDF : 2861009337.4/50

yield_bpm16X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 6536318.5/22

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 269242.6/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 8642534.0/27

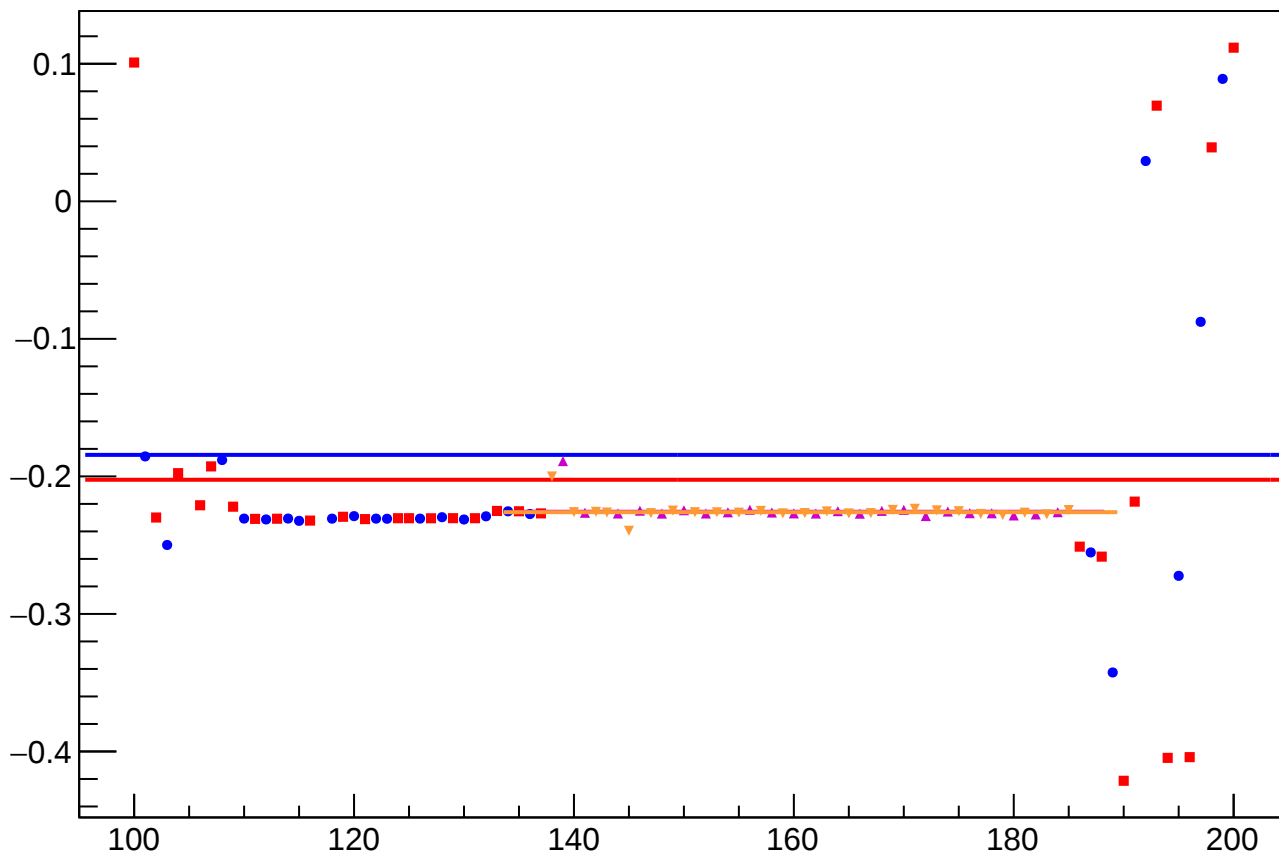
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 747550.0/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 7583841.5/47

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 18443990.9/98

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 10850702.6/50

yield_bpm16Y_mean vs Slug



Right In: -0.184 ± 0.000 χ^2/NDF : 4160429708.8/22

Left Out: -0.226 ± 0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.202 ± 0.000 χ^2/NDF : 7571048090.7/27

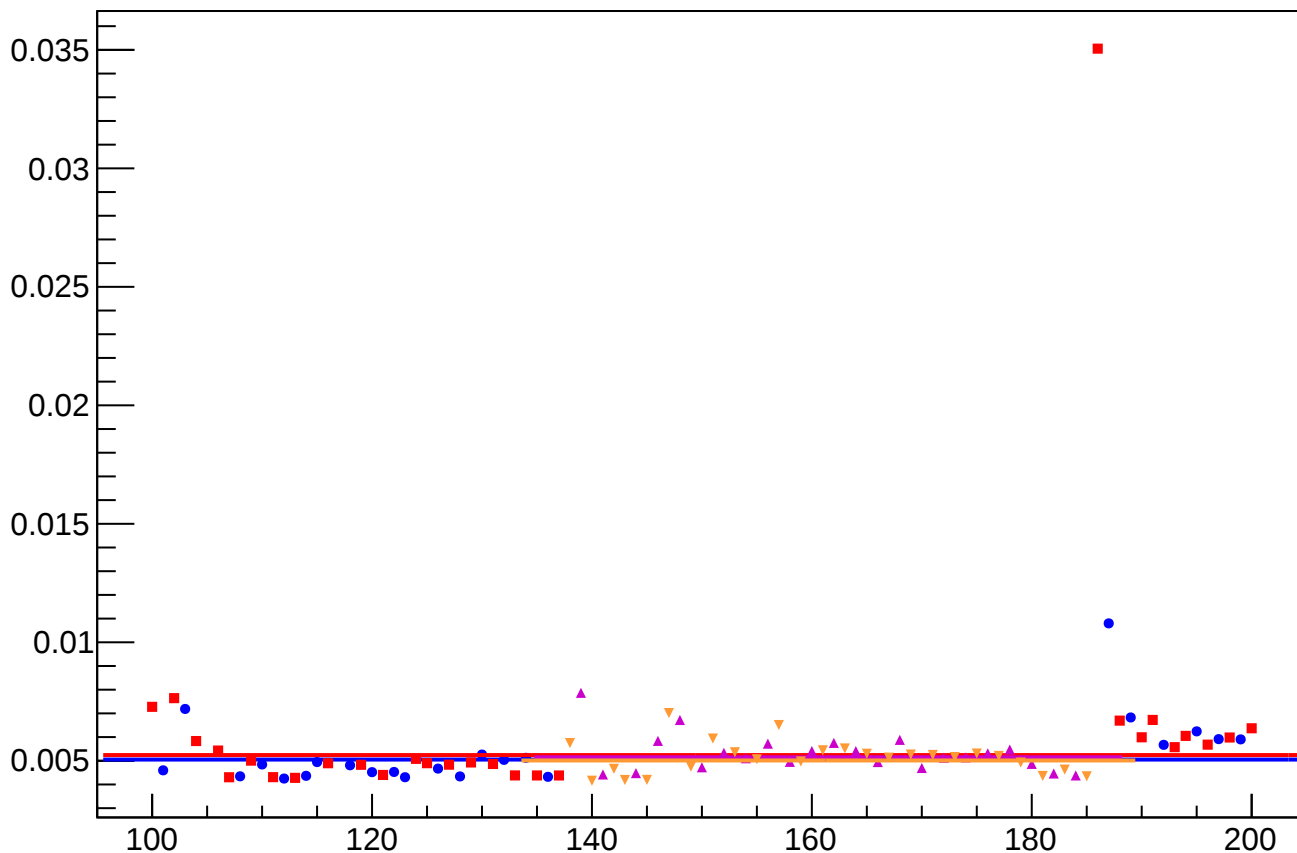
Left In: -0.226 ± 0.000 χ^2/NDF : 15245251.1/22

+ sign -0.211 ± 0.000 χ^2/NDF : 4603073532.8/47

All: -0.214 ± 0.000 χ^2/NDF : 12337802129.9/50

- sign -0.216 ± 0.000 χ^2/NDF : 7721574269.3/50

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 537624.5/22

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1107905.0/27

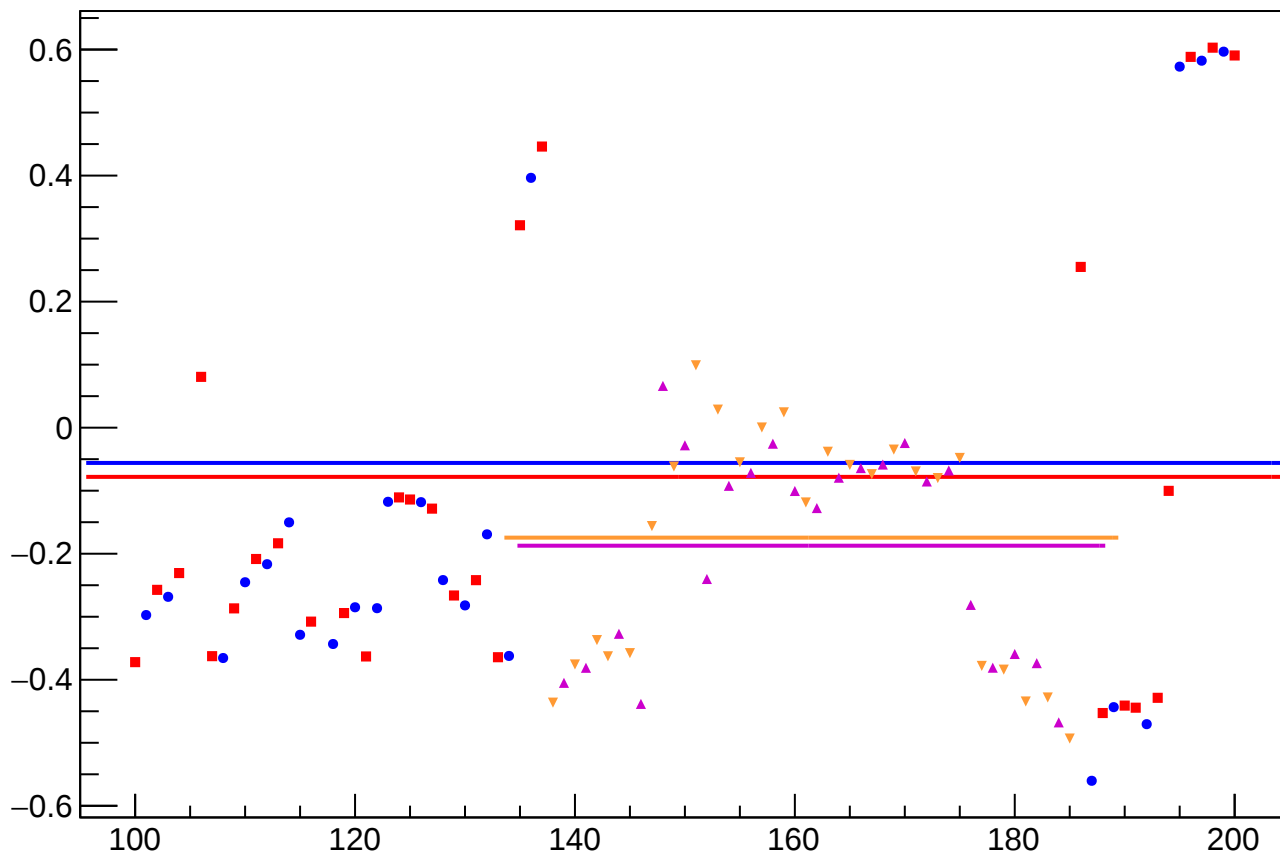
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 1068944.6/47

All: 0.005+/-0.000 χ^2/NDF : 2700509.8/98

- sign 0.005+/-0.000 χ^2/NDF : 1605467.2/50

yield_bpm0i02X_mean vs Slug



Right In: -0.056 ± 0.000 χ^2/NDF : 36201125794.8/22

Left Out: -0.174 ± 0.000 χ^2/NDF : 18025533236.1/24

Right Out: -0.078 ± 0.000 χ^2/NDF : 38422184175.6/27

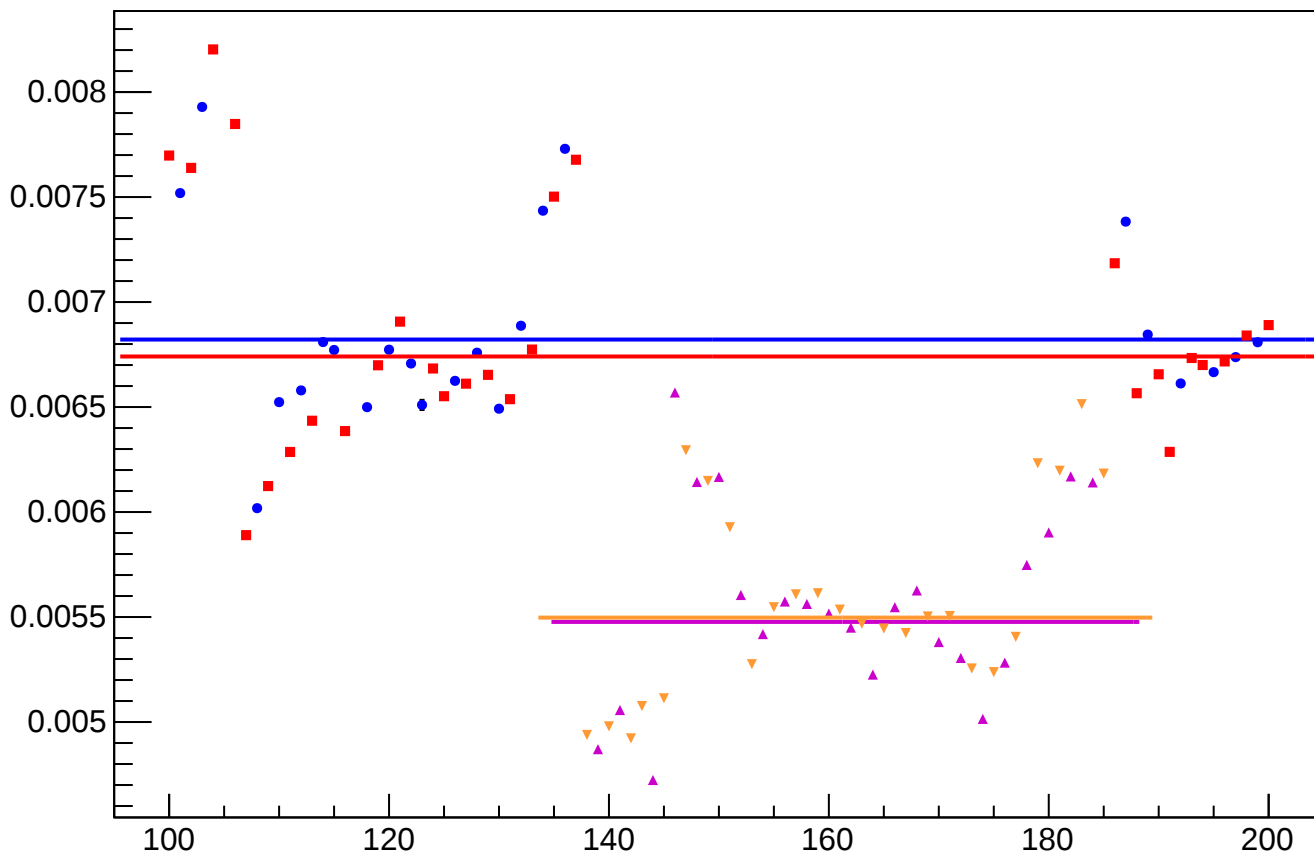
Left In: -0.187 ± 0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.141 ± 0.000 χ^2/NDF : 56500054427.4/47

All: -0.146 ± 0.000 χ^2/NDF : 109977300337.3

- sign -0.150 ± 0.000 χ^2/NDF : 53443609714.7/50

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 84037.8/22

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 198746.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 113543.0/27

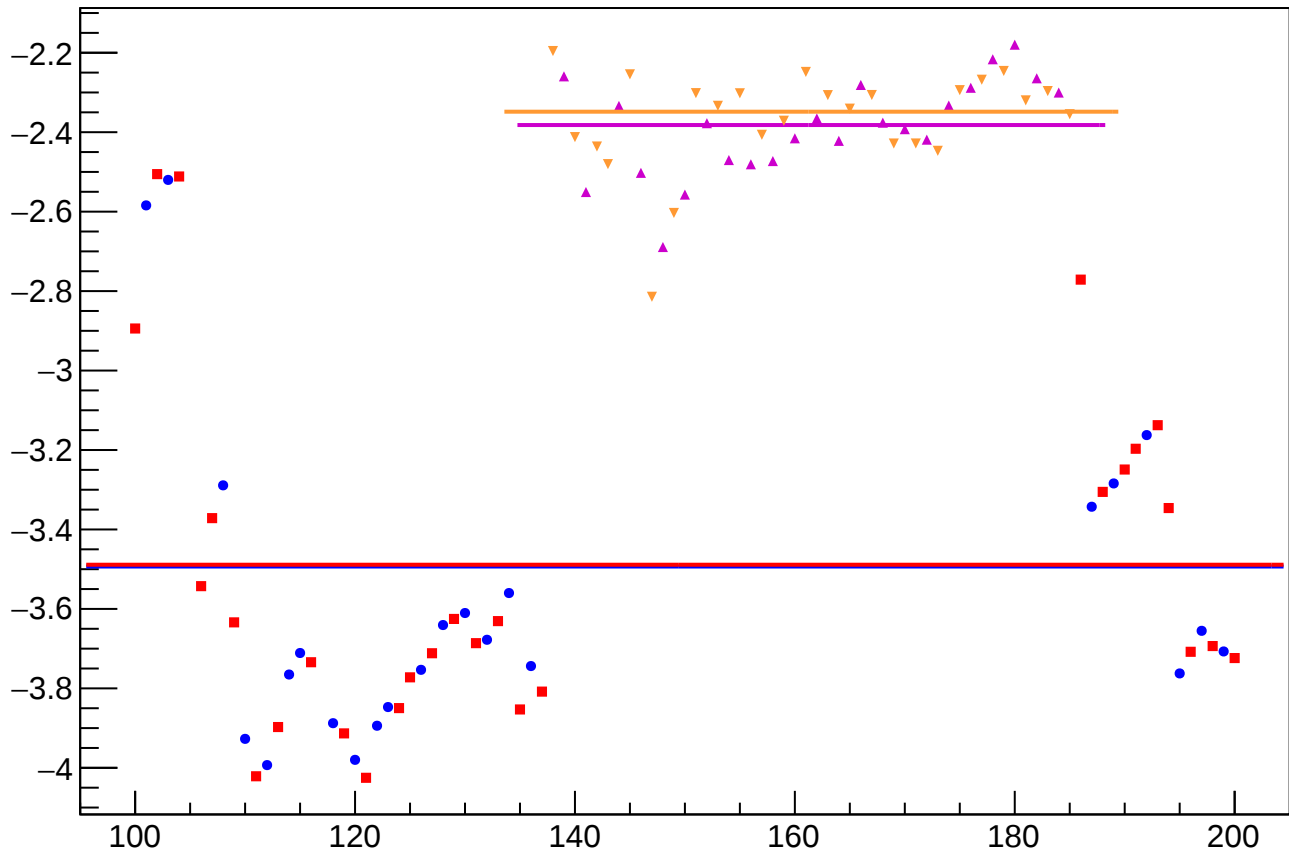
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 202181.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 850187.2/47

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1757644.0/98

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 906419.3/50

yield_bpm0i02Y_mean vs Slug



Right In: -3.493 ± 0.000 χ^2/NDF : 28911948914.5/22

Left Out: -2.348 ± 0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.489 ± 0.000 χ^2/NDF : 30101850277.0/27

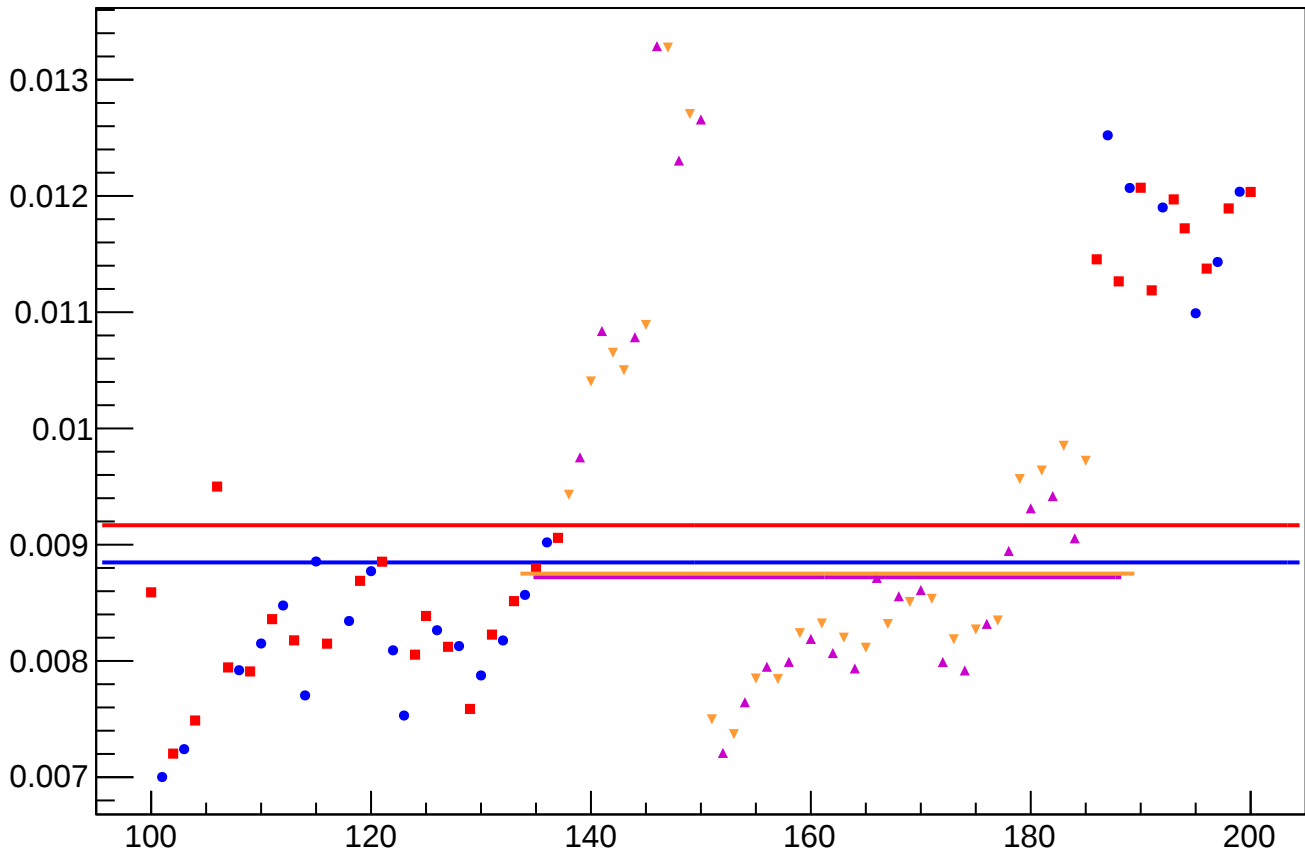
Left In: -2.382 ± 0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.765 ± 0.000 χ^2/NDF : 138238182121.5/47

All: -2.797 ± 0.000 χ^2/NDF : 276974400611.8

- sign -2.829 ± 0.000 χ^2/NDF : 137996015446.2/50

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 661855.8/22

Left Out: 0.009+/-0.000 χ^2/NDF : 663672.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 816644.6/27

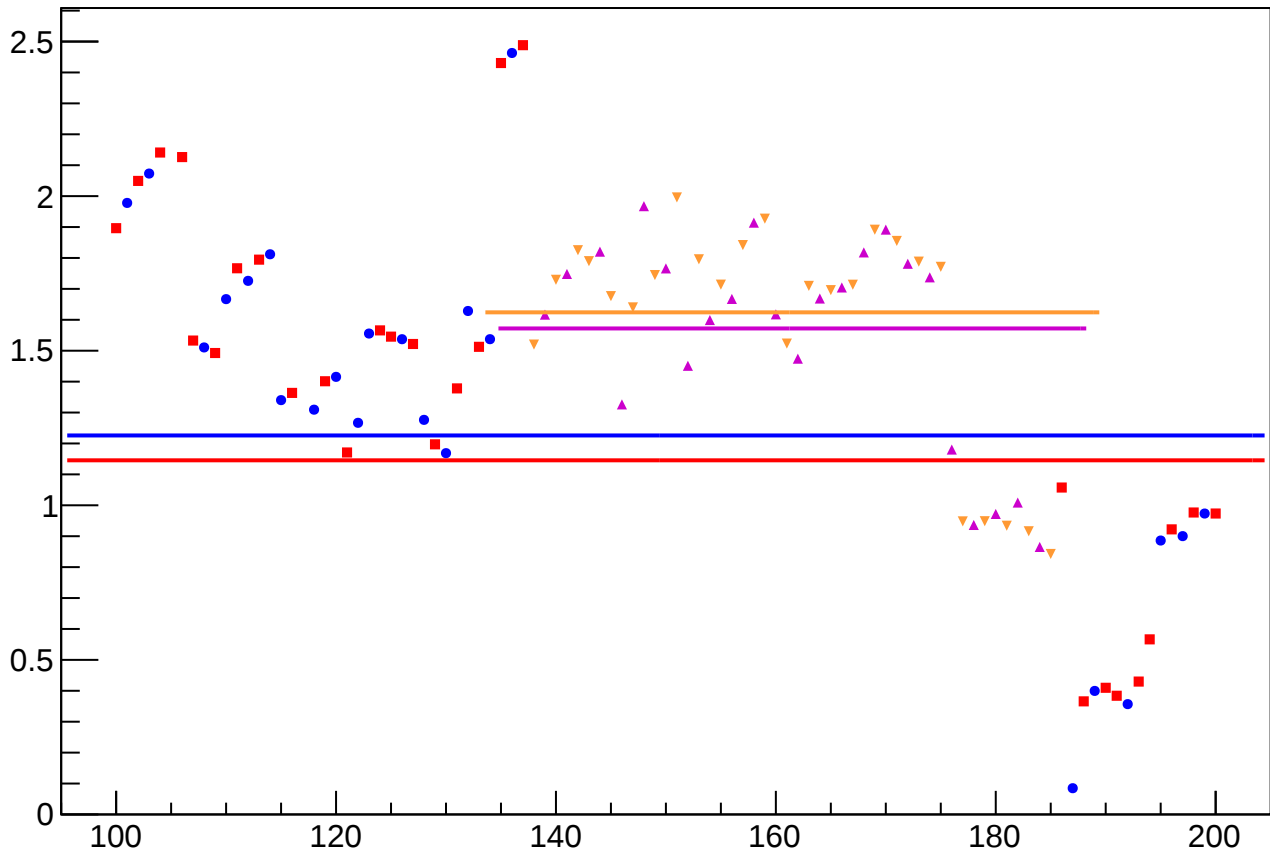
Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1327038.1/47

All: 0.009+/-0.000 χ^2/NDF : 2930665.4/98

- sign 0.009+/-0.000 χ^2/NDF : 1598947.4/50

yield_bpm0i02aX_mean vs Slug



Right In: 1.226 $\pm$ 0.000 χ^2 /NDF: 26540018941.4/22

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.145 $\pm$ 0.000 χ^2 /NDF: 32407362194.4/27

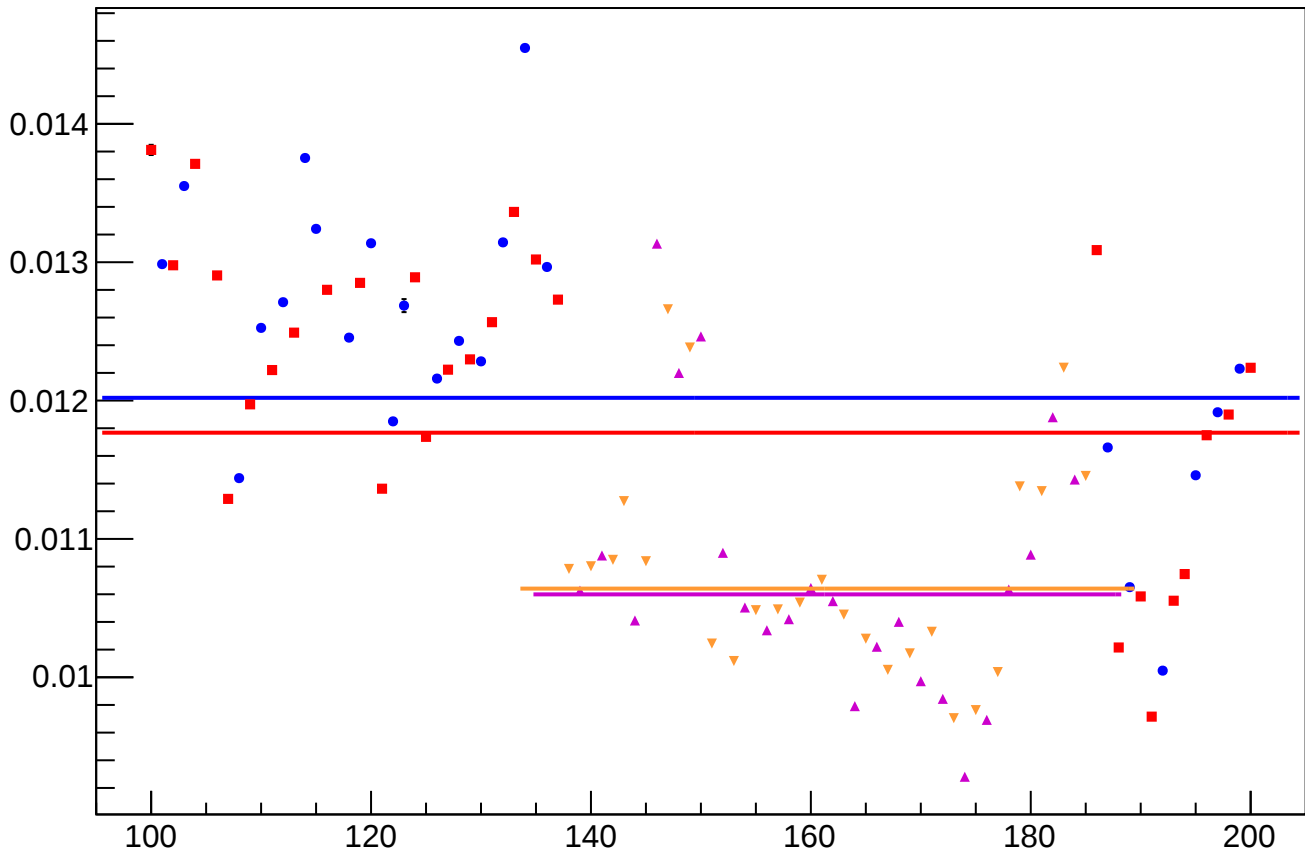
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.499 $\pm$ 0.000 χ^2 /NDF: 50968506768.1/47

All: 1.453 $\pm$ 0.000 χ^2 /NDF: 108760489615.3

- sign 1.410 $\pm$ 0.000 χ^2 /NDF: 56868907879.5/50

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 ± 0.000 $\chi^2/\text{NDF}: 155462.6/22$

Left Out: 0.011 ± 0.000 $\chi^2/\text{NDF}: 159760.9/24$

Right Out: 0.012 ± 0.000 $\chi^2/\text{NDF}: 198166.7/27$

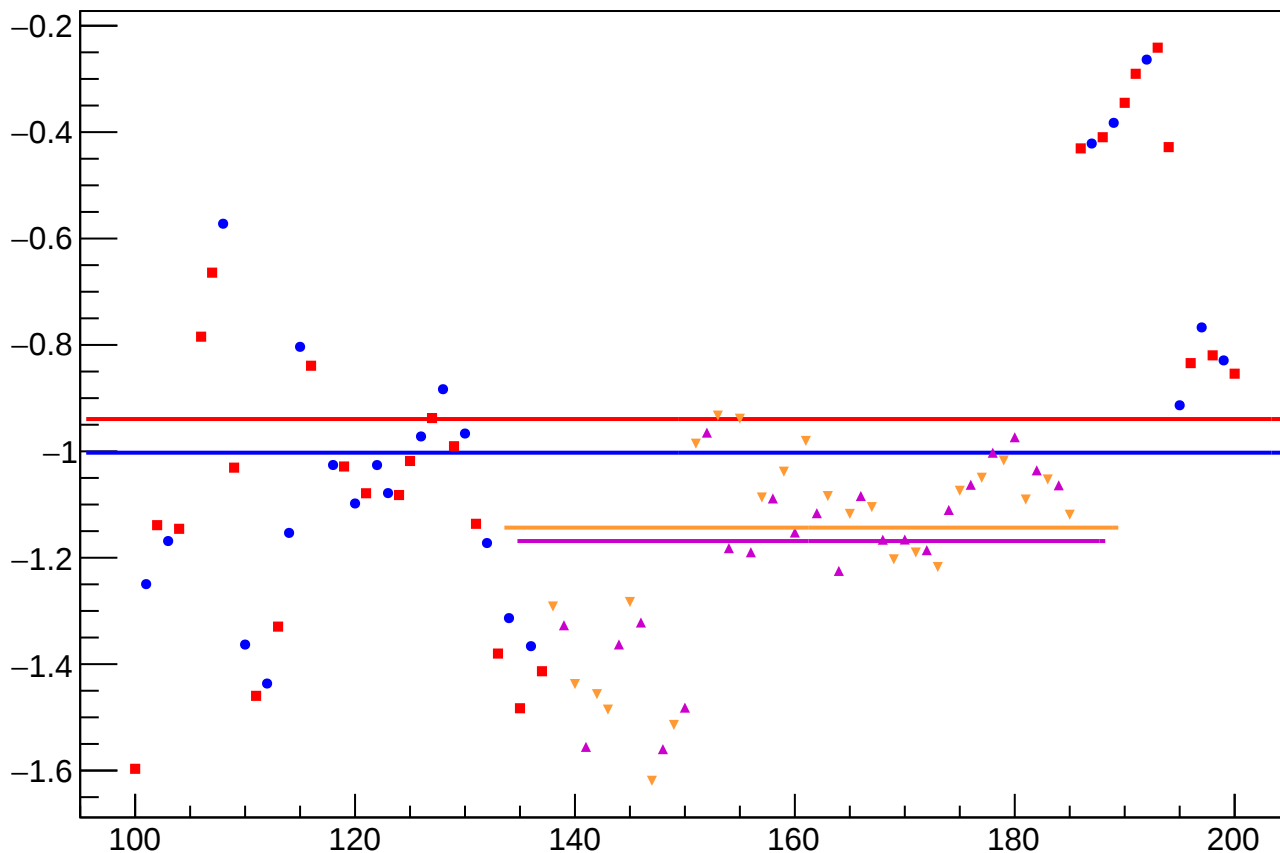
Left In: 0.011 ± 0.000 $\chi^2/\text{NDF}: 204531.5/22$

+ sign 0.011 ± 0.000 $\chi^2/\text{NDF}: 502223.0/47$

All: 0.011 ± 0.000 $\chi^2/\text{NDF}: 1058786.3/98$

- sign 0.011 ± 0.000 $\chi^2/\text{NDF}: 556333.7/50$

yield_bpm0i02aY_mean vs Slug



Right In: -1.003 ± 0.000 $\chi^2/\text{NDF}: 10611312361.7/22$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -0.939 ± 0.000 $\chi^2/\text{NDF}: 15743335917.9/27$

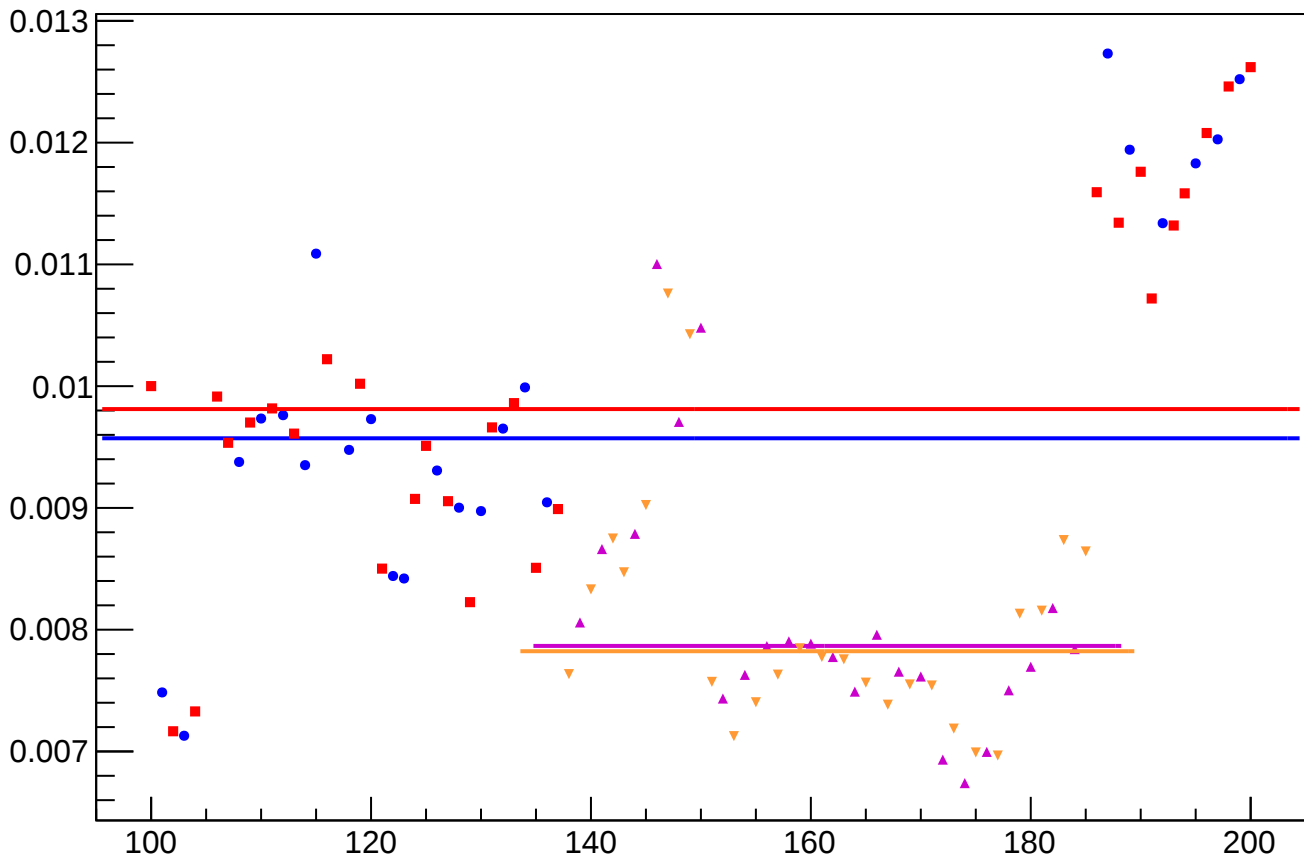
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.104 ± 0.000 $\chi^2/\text{NDF}: 20144208019.9/47$

All: -1.099 ± 0.000 $\chi^2/\text{NDF}: 46732698392.7/50$

- sign -1.094 ± 0.000 $\chi^2/\text{NDF}: 26570538940.3/50$

yield_bpm0i02aY_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 557265.4/22

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:336387.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 672400.1/27

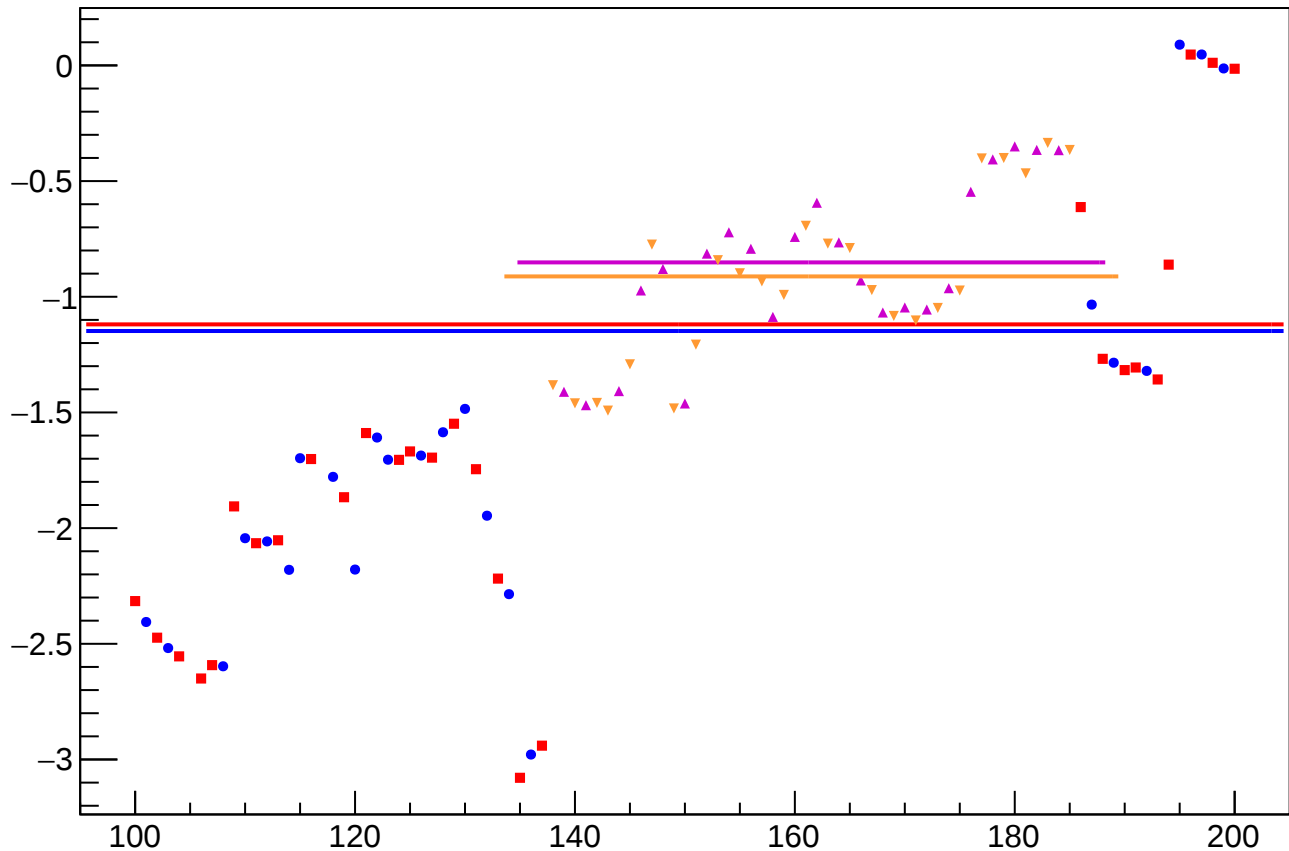
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1373495.2/47

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3081208.5/98

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1694617.0/50

yield_bpm0i05X_mean vs Slug



Right In: -1.148 ± 0.000 χ^2/NDF : 256177123979.0/22

Left Out: -0.912 ± 0.000 χ^2/NDF : 49039425818.1/24

Right Out: -1.119 ± 0.000 χ^2/NDF : 289111071409.5/27

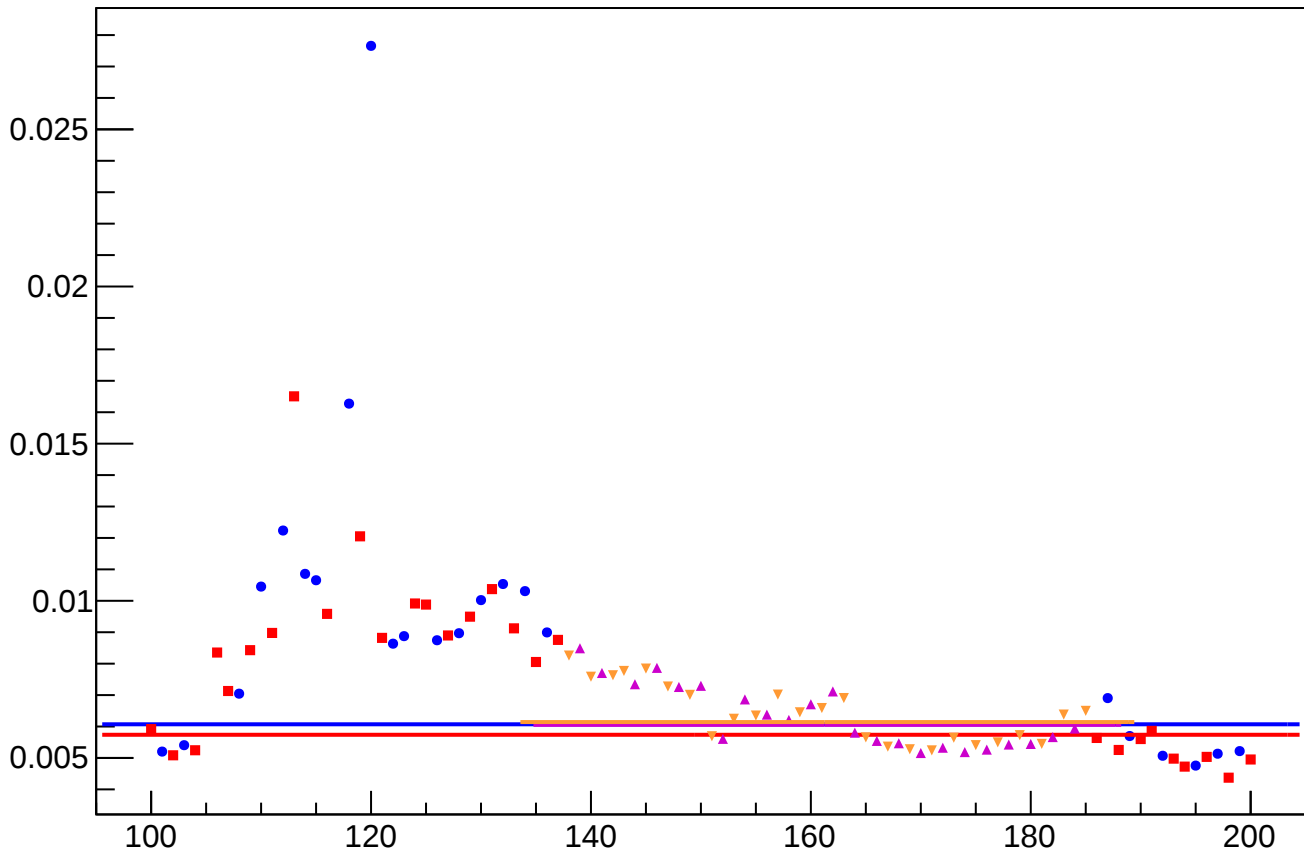
Left In: -0.851 ± 0.000 χ^2/NDF : 46438446008.2/22

+ sign -0.992 ± 0.000 χ^2/NDF : 313586702569.0/47

All: -0.978 ± 0.000 χ^2/NDF : 662690688326.1

- sign -0.966 ± 0.000 χ^2/NDF : 348862693090.3/50

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1879488.9/22

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1878043.2/27

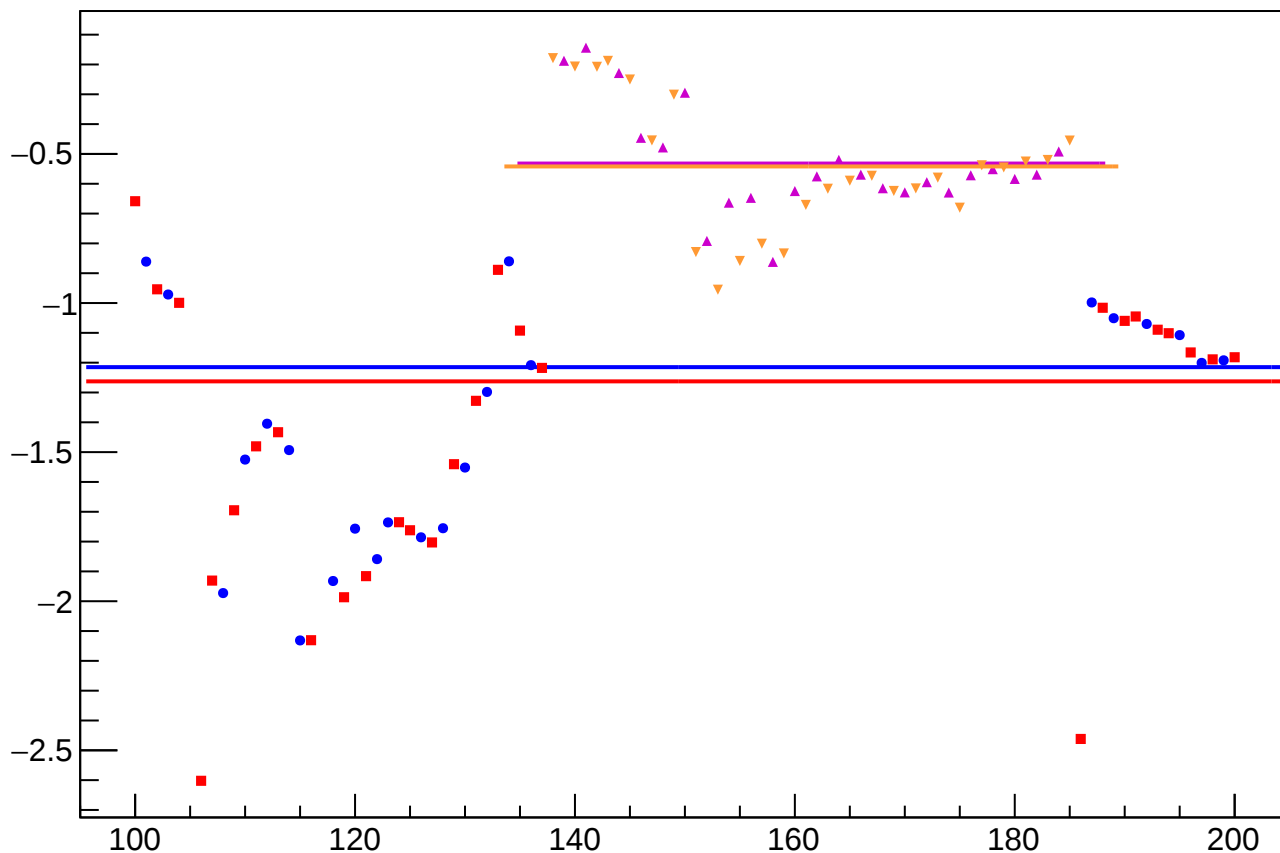
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2518769.6/47

All: 0.006+/-0.000 χ^2/NDF : 5159732.5/98

- sign 0.006+/-0.000 χ^2/NDF : 2612463.9/50

yield_bpm0i05Y_mean vs Slug



Right In: -1.215+/-0.000 χ^2 /NDF: 26196837931.9/22

Left Out: -0.542+/-0.000 χ^2 /NDF: 47268284910.3/24

Right Out: -1.263+/-0.000 χ^2 /NDF: 78340114644.1/27

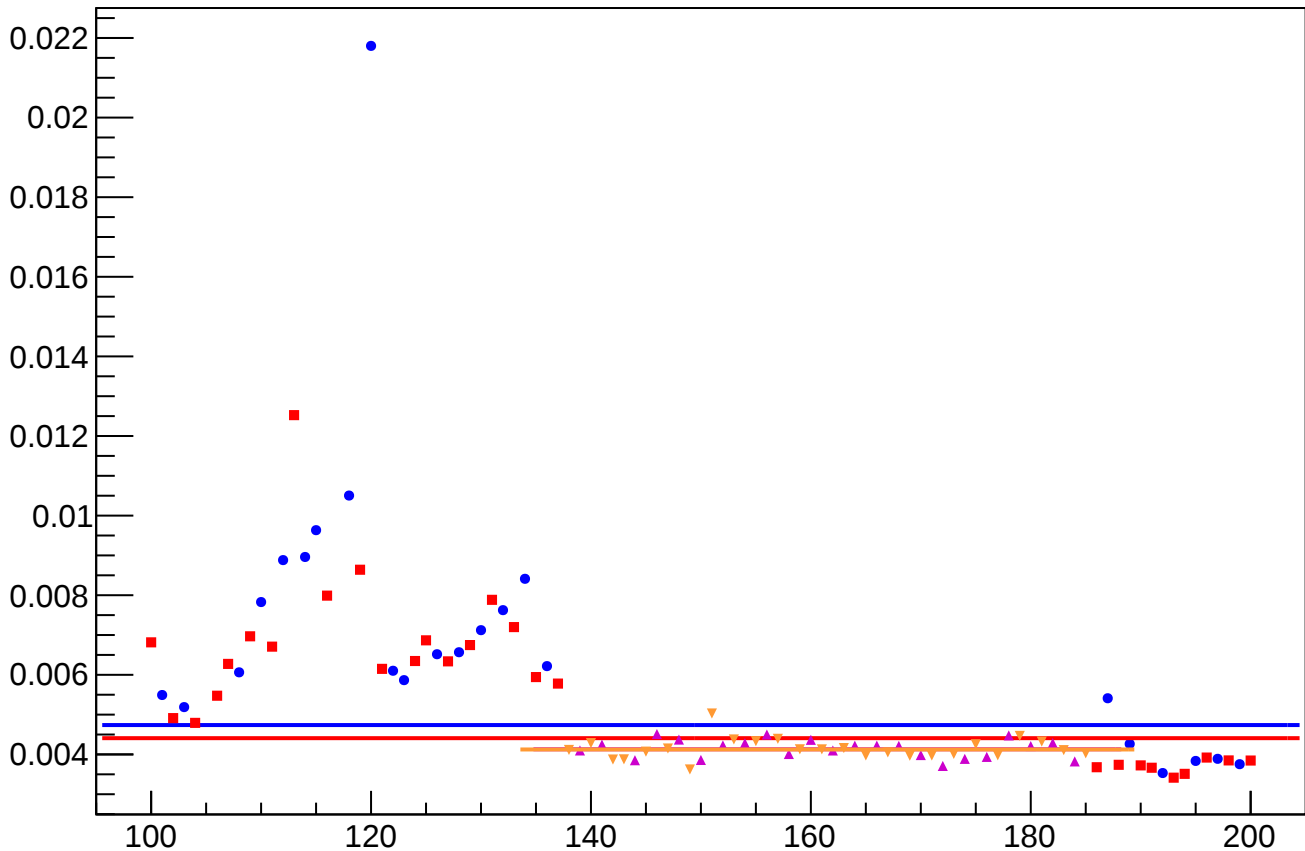
Left In: -0.532+/-0.000 χ^2 /NDF: 30715235426.8/22

+ sign -0.726+/-0.000 χ^2 /NDF: 196098711158.3/47

All: -0.764+/-0.000 χ^2 /NDF: 491853774444.3

- sign -0.800+/-0.000 χ^2 /NDF: 291885863109.6/50

yield_bpm0i05Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1807857.5/22

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1819288.8/27

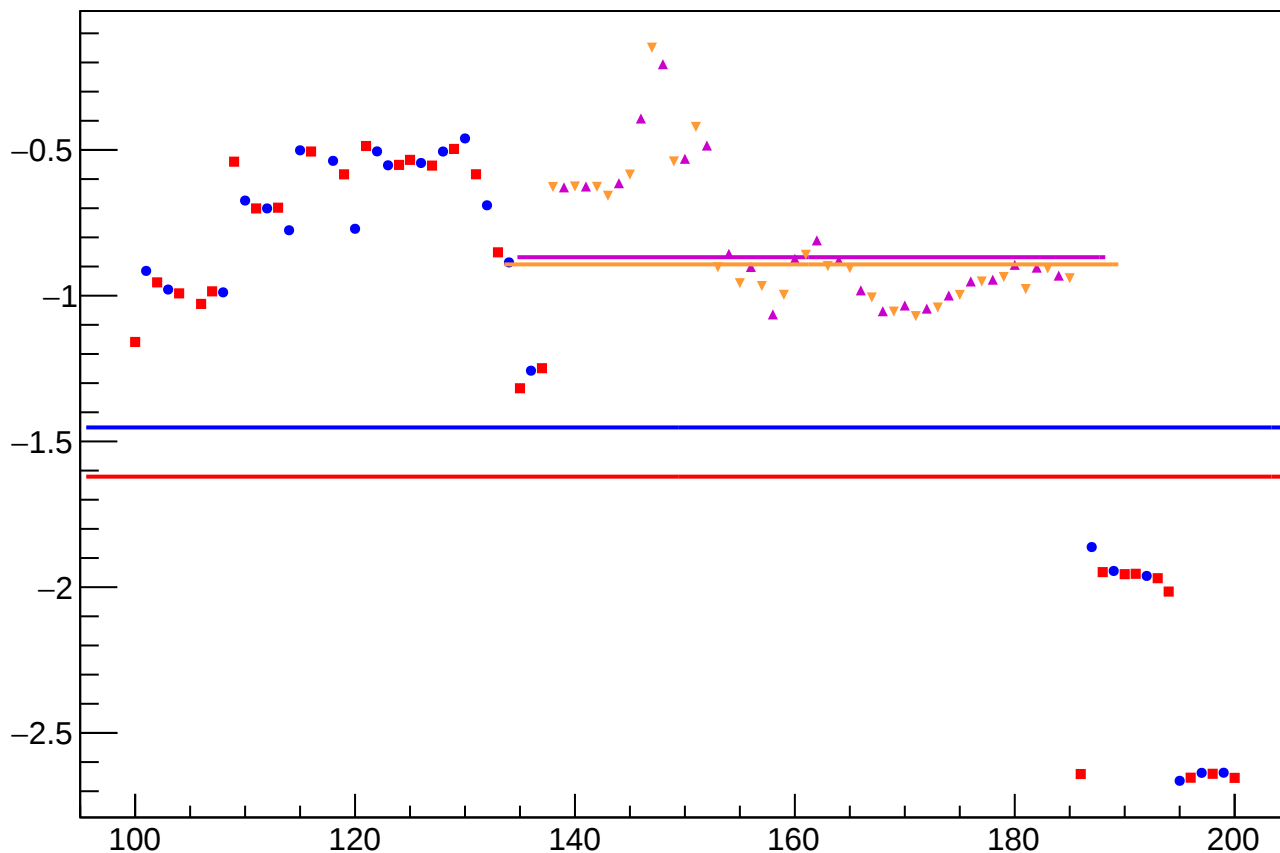
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2124670.1/47

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4095446.4/98

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1965642.3/50

yield_bpm0i07X_mean vs Slug



Right In: -1.452+/-0.000 χ^2/NDF : 185812560186.0/22

Left Out: -0.893+/-0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.621+/-0.000 χ^2/NDF : 272893712937.6/27

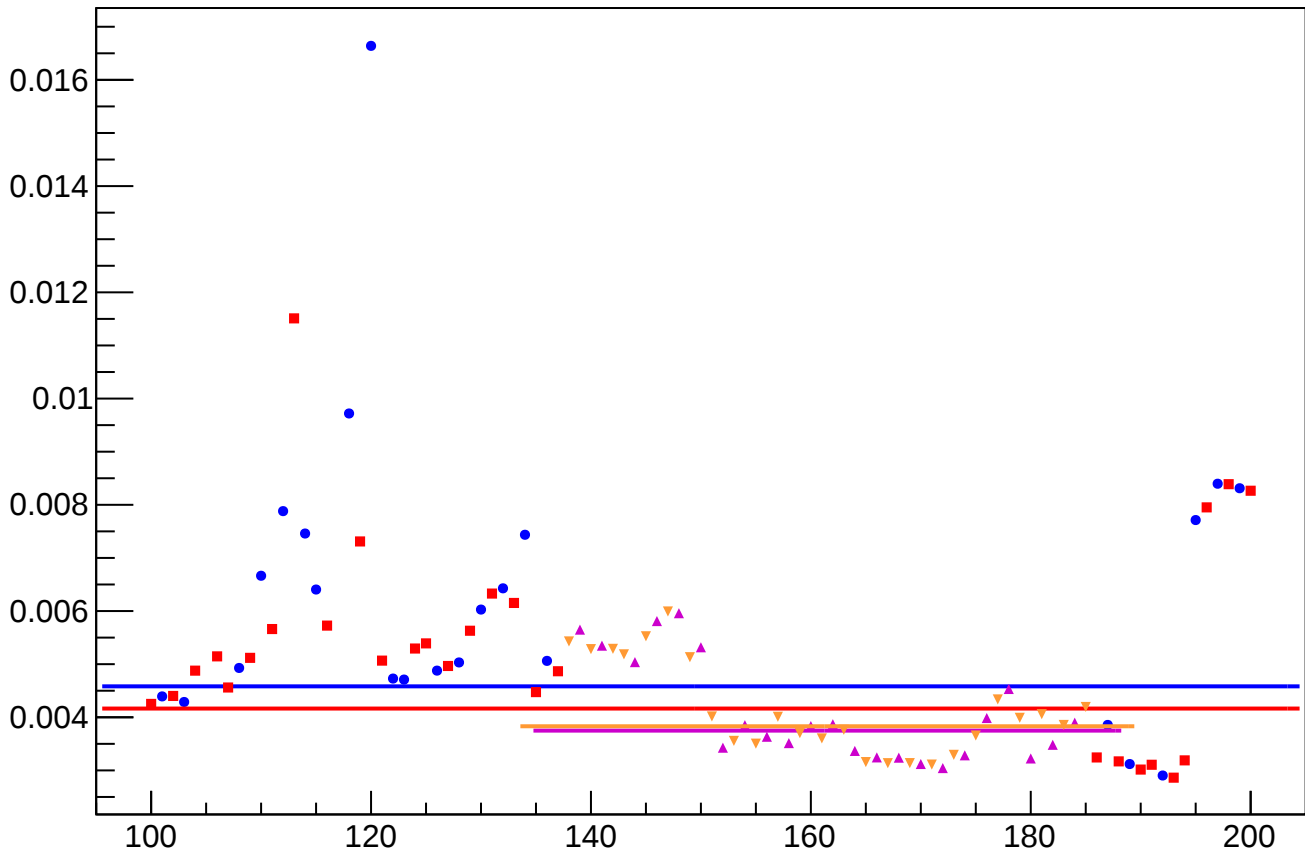
Left In: -0.868+/-0.000 χ^2/NDF : 43853190177.2/22

+ sign -1.038+/-0.000 χ^2/NDF : 317979113061.7/47

All: -1.087+/-0.000 χ^2/NDF : 862417733993.6

- sign -1.131+/-0.000 χ^2/NDF : 537481357417.1/50

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2538332.8/22

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2794043.3/27

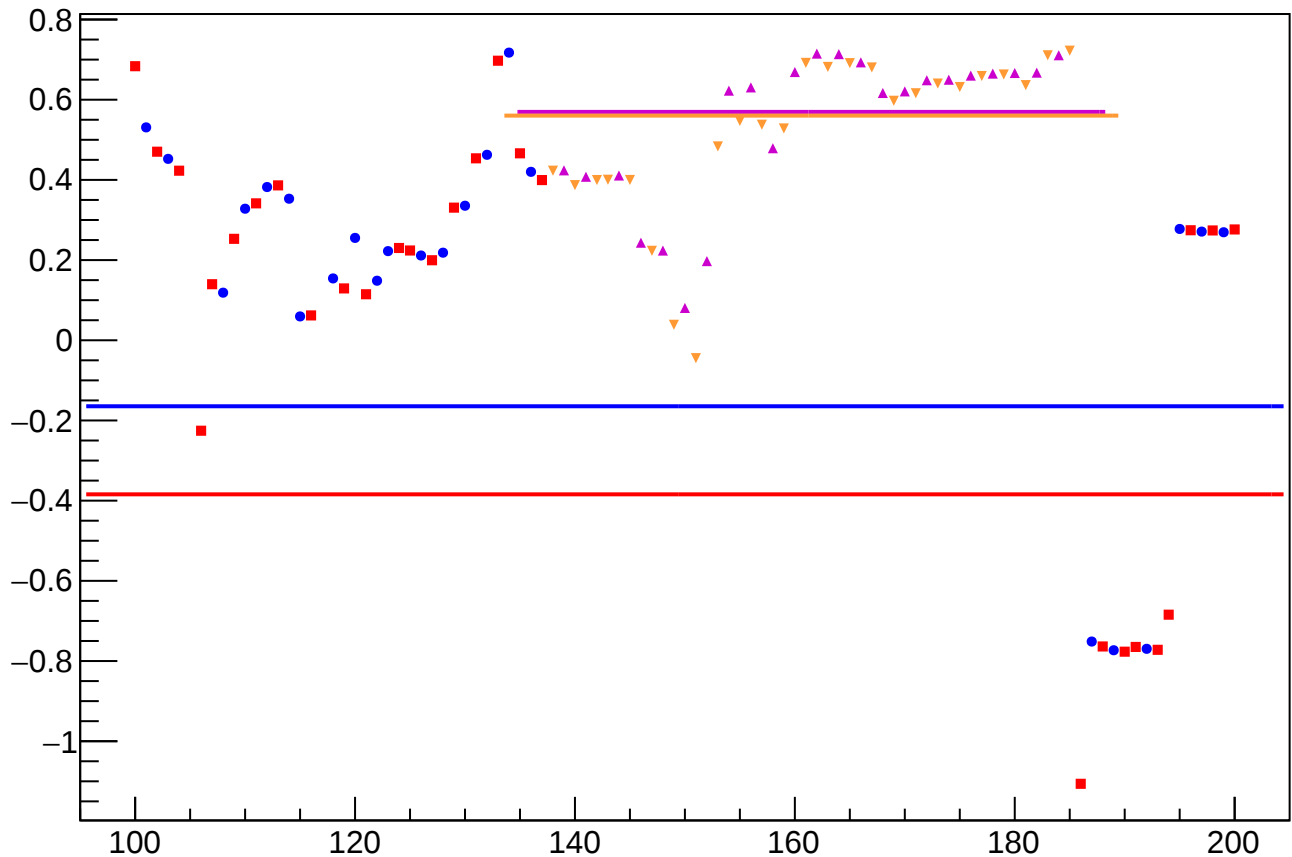
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4048159.8/47

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 8293091.0/98

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4216897.2/50

yield_bpm0i07Y_mean vs Slug



Right In: -0.165+/-0.000 χ^2/NDF : 258431022343.8/22

Left Out: 0.560+/-0.000 χ^2/NDF : 45205806387.2/24

+ sign 0.314+/-0.000 χ^2/NDF : 592850059698.5/47

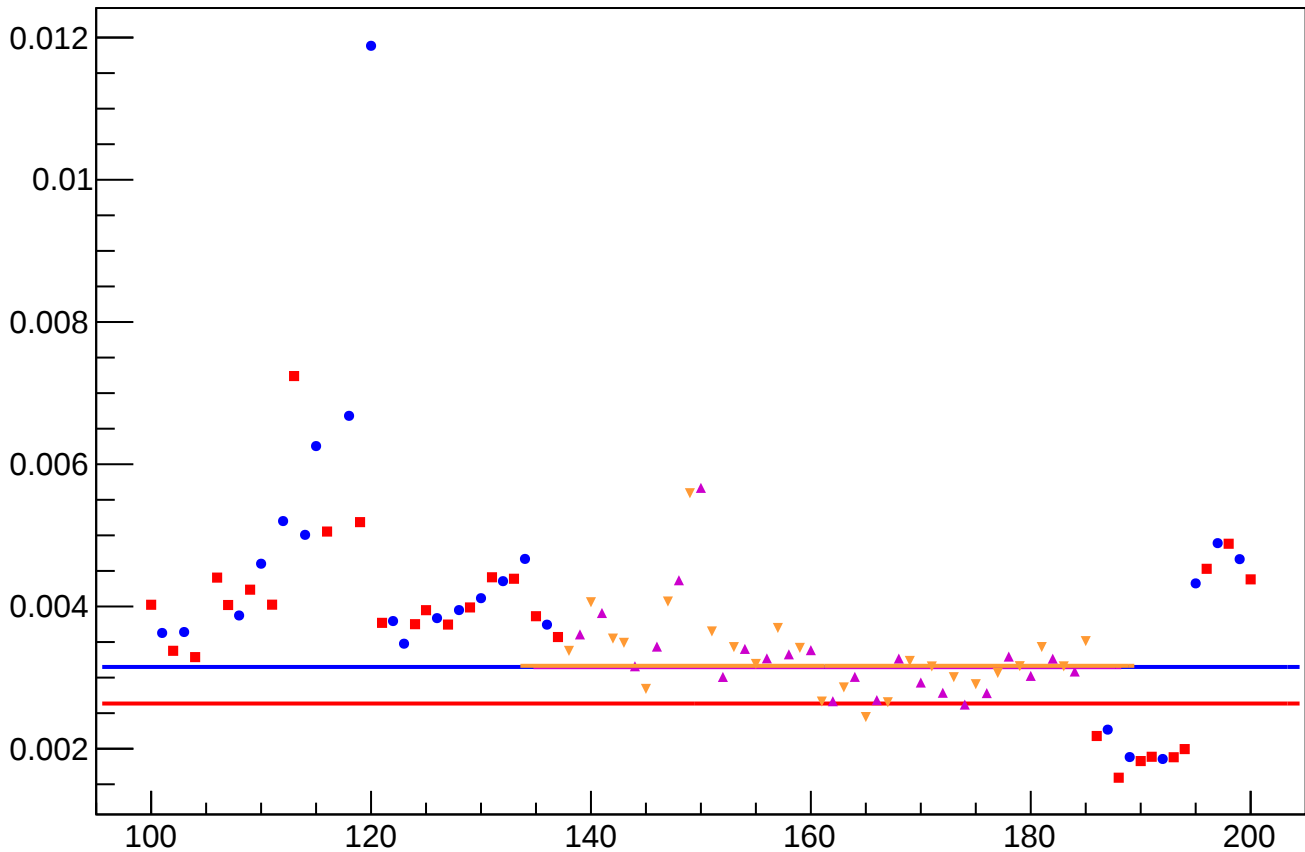
Right Out: -0.384+/-0.000 χ^2/NDF : 413160153640.5/27

All: 0.206+/-0.000 χ^2/NDF : 1774264736689.

Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

- sign 0.116+/-0.000 χ^2/NDF : 1128973279819.0/50

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 2696928.6/22

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3731255.6/27

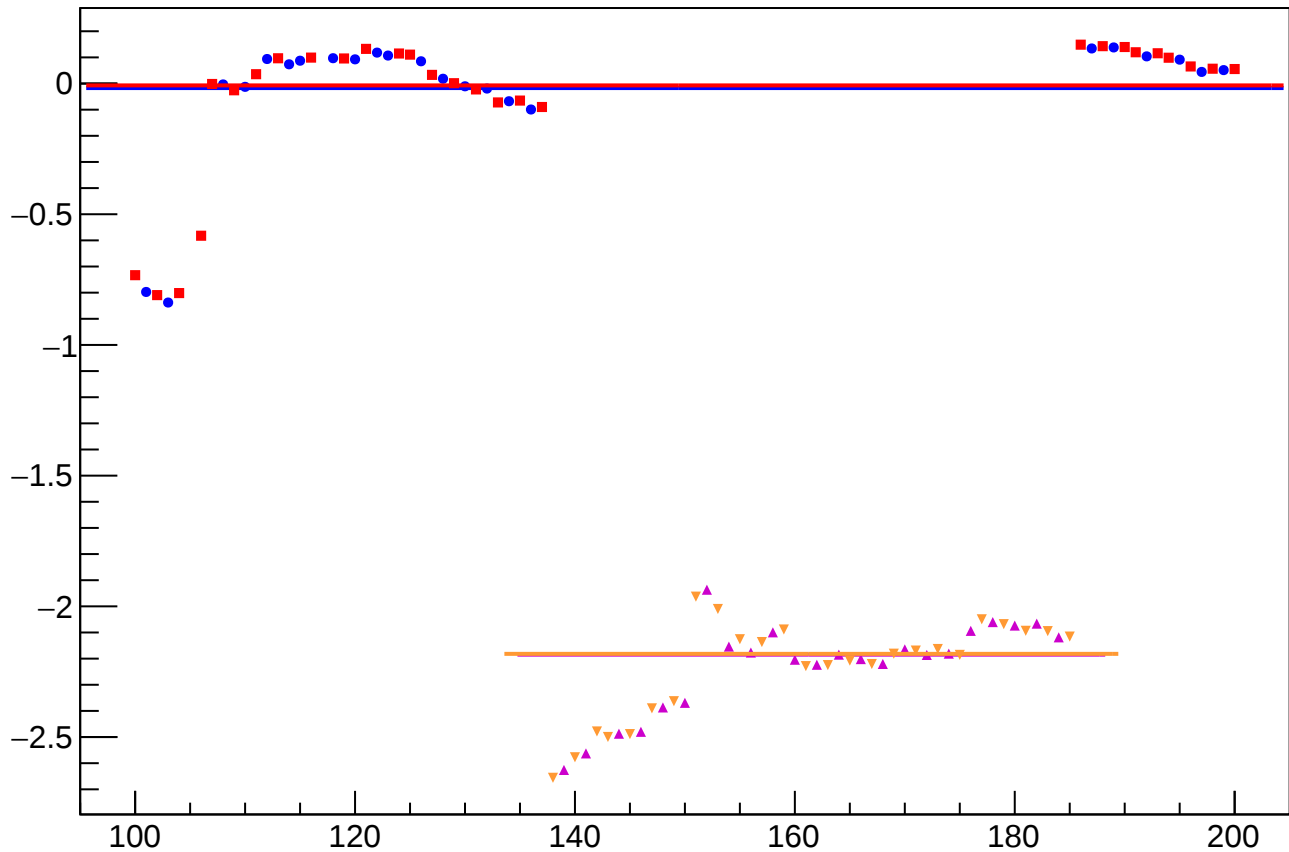
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 3442108.0/47

All: 0.003+/-0.000 χ^2/NDF : 8453683.2/98

- sign 0.003+/-0.000 χ^2/NDF : 4834201.5/50

yield_bpm1i02X_mean vs Slug



Right In: -0.017 ± 0.000 χ^2/NDF : 5698680463.8/22

Left Out: -2.182 ± 0.000 χ^2/NDF : 4008829567.0/24

Right Out: -0.007 ± 0.000 χ^2/NDF : 6846113033.1/27

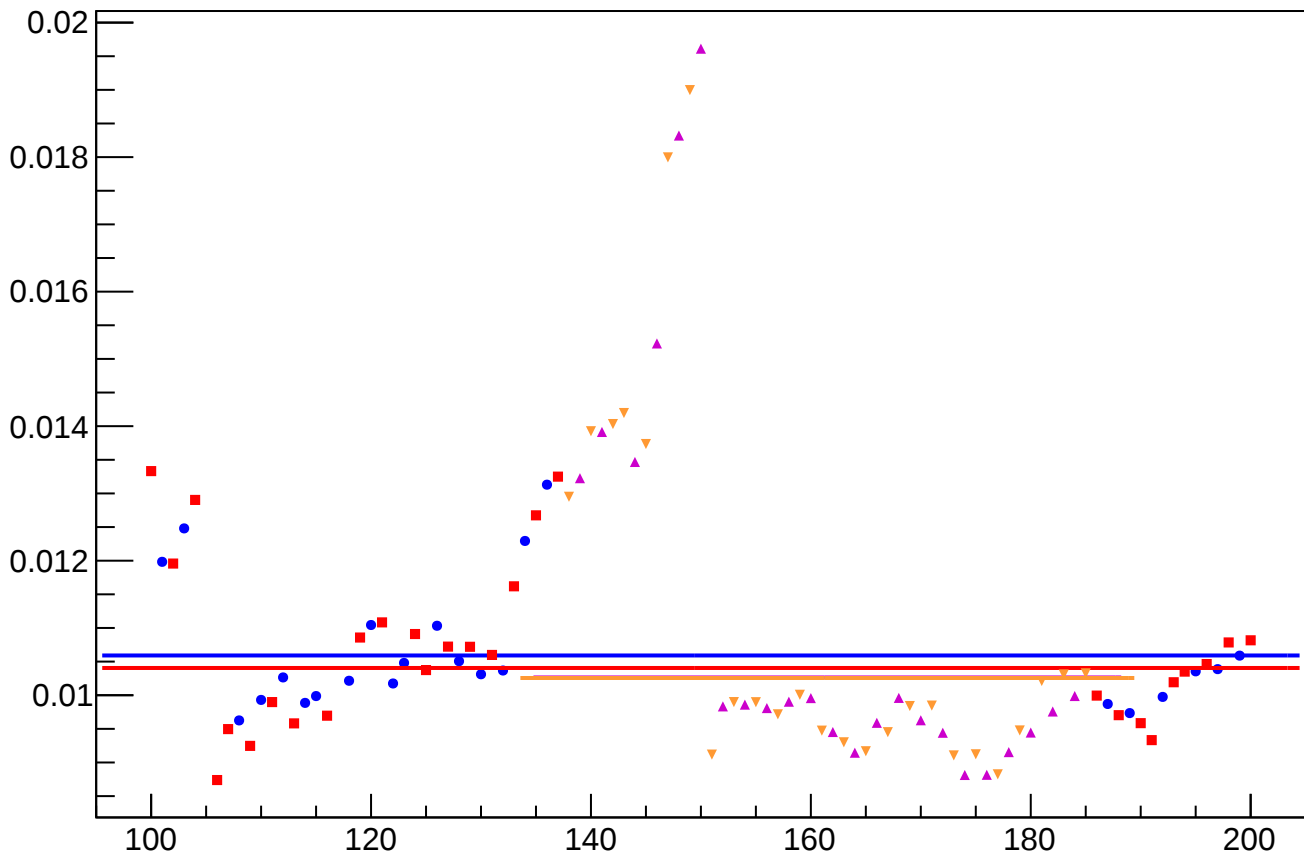
Left In: -2.185 ± 0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.405 ± 0.000 χ^2/NDF : 291668138625.2/47

All: -1.325 ± 0.000 χ^2/NDF : 625808713087.2

- sign -1.249 ± 0.000 χ^2/NDF : 330872544874.5/50

yield_bpm1i02X_rms vs Slug



Right In: 0.011 ± 0.000 χ^2/NDF : 148701.3/22

Left Out: 0.010 ± 0.000 χ^2/NDF : 1270617.6/24

Right Out: 0.010 ± 0.000 χ^2/NDF : 209702.1/27

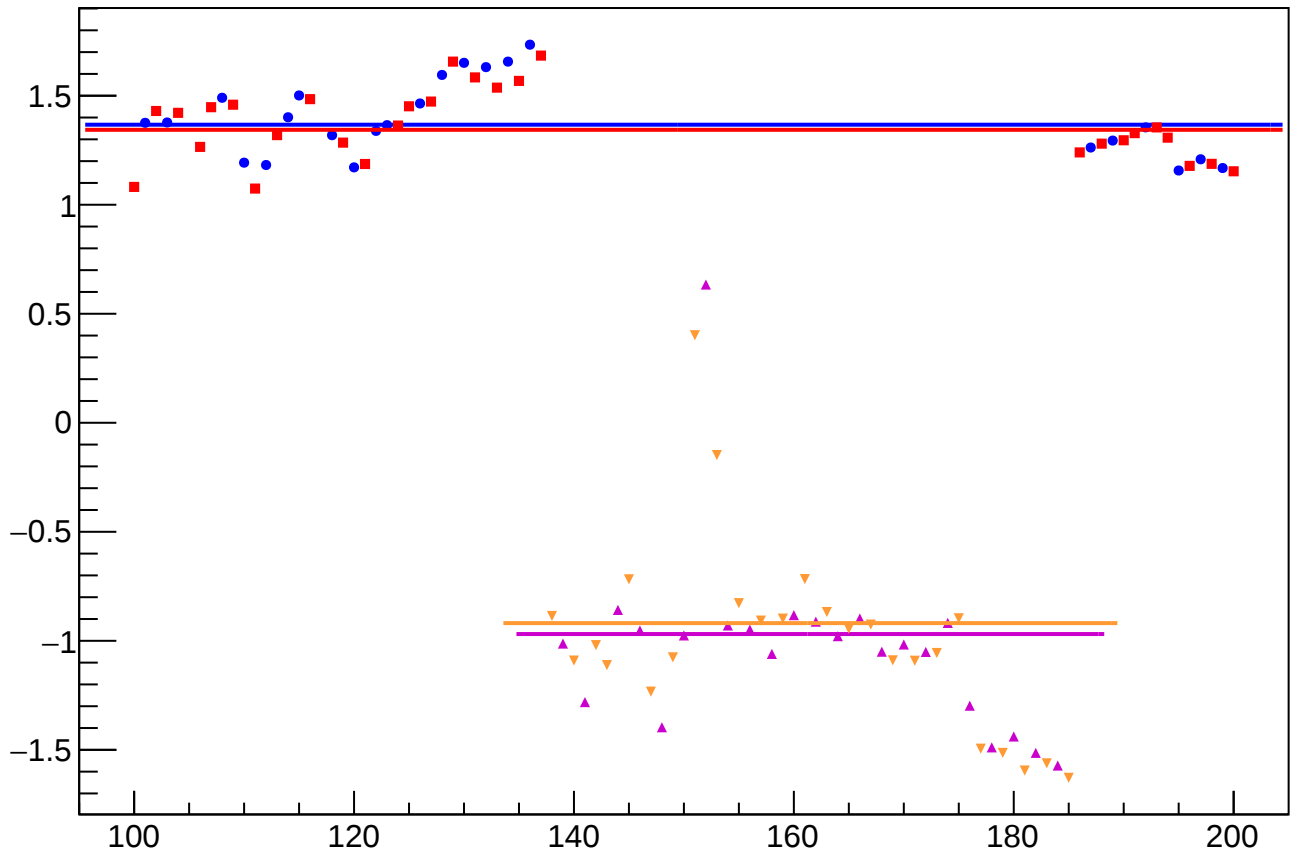
Left In: 0.010 ± 0.000 χ^2/NDF : 1340264.2/22

+ sign 0.010 ± 0.000 χ^2/NDF : 1432822.0/47

All: 0.010 ± 0.000 χ^2/NDF : 2986171.8/98

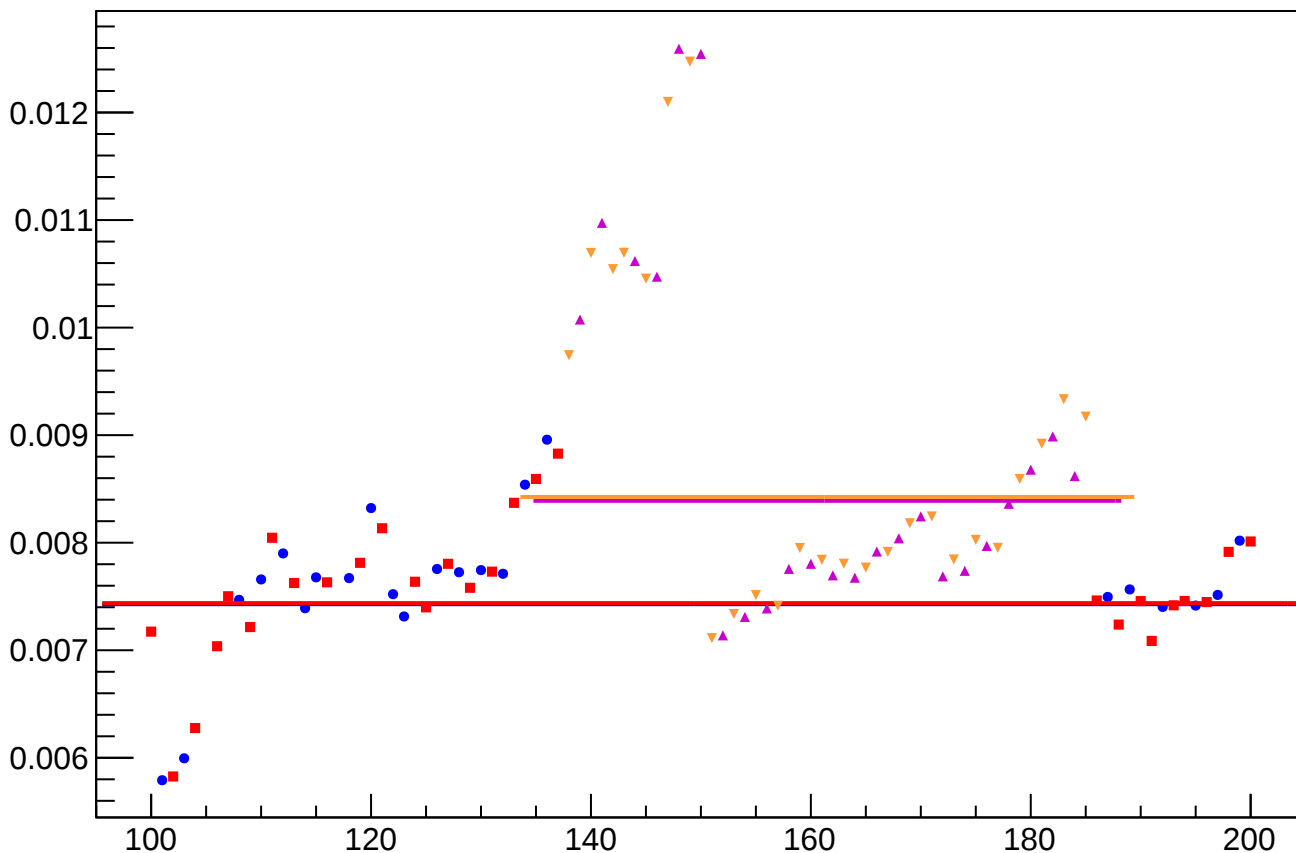
- sign 0.010 ± 0.000 χ^2/NDF : 1552640.9/50

yield_bpm1i02Y_mean vs Slug



Right In: 1.367+/-0.000	χ^2/NDF : 5657505710.0/22	+ sign 0.062+/-0.000	χ^2/NDF : 626799673523.6/47
Left Out: -0.919+/-0.000	χ^2/NDF : 55622252895.8/24	All: 0.117+/-0.000	χ^2/NDF : 1319079652884.
Right Out: 1.344+/-0.000	χ^2/NDF : 4699271198.7/27	- sign 0.169+/-0.000	χ^2/NDF : 689693114953.2/50
Left In: -0.969+/-0.000	χ^2/NDF : 54895002535.8/22		

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 240068.7/22

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 190645.8/27

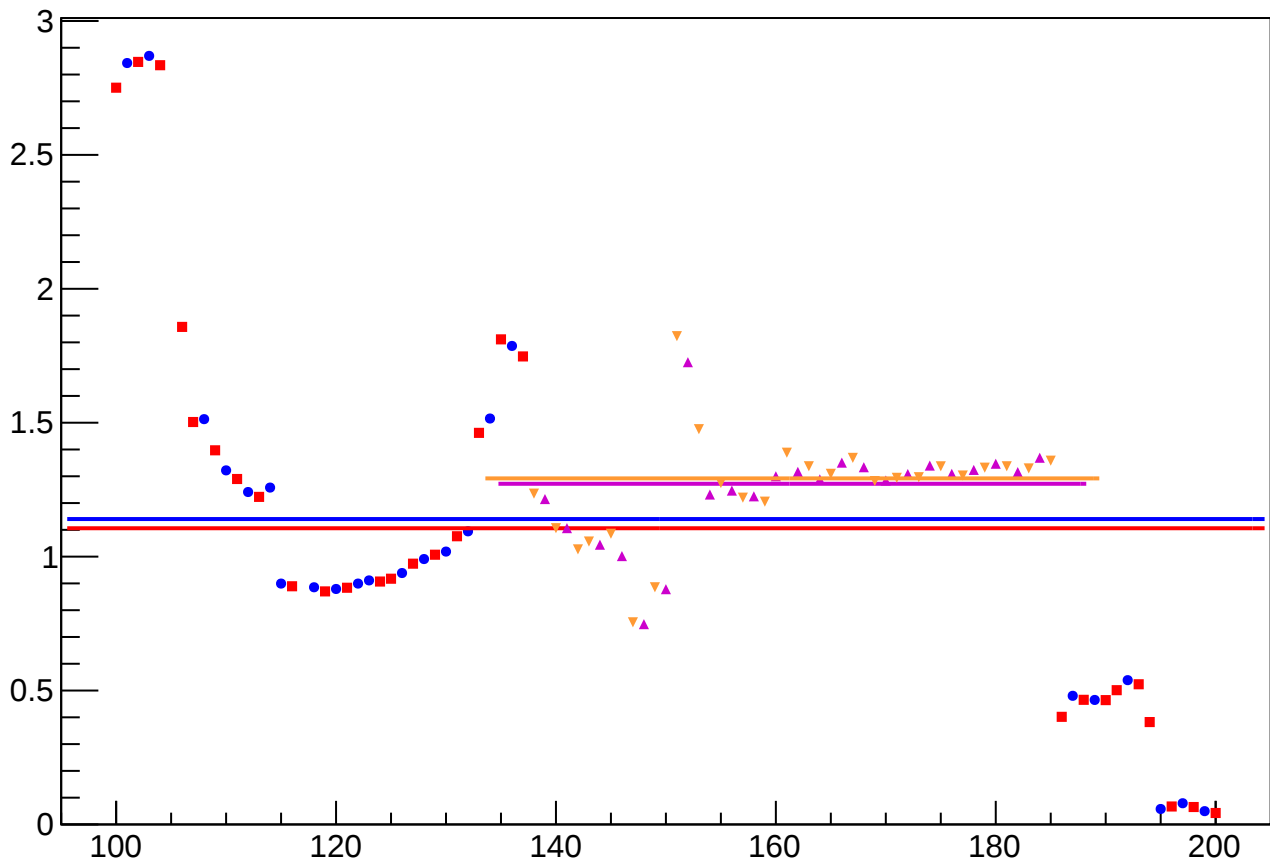
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1247702.6/47

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2494077.2/98

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1243743.3/50

yield_bpm1i04X_mean vs Slug



Right In: 1.140 $\pm$ 0.000 χ^2 /NDF: 93208210351.8/22

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

Right Out: 1.106 $\pm$ 0.000 χ^2 /NDF: 99501639952.6/27

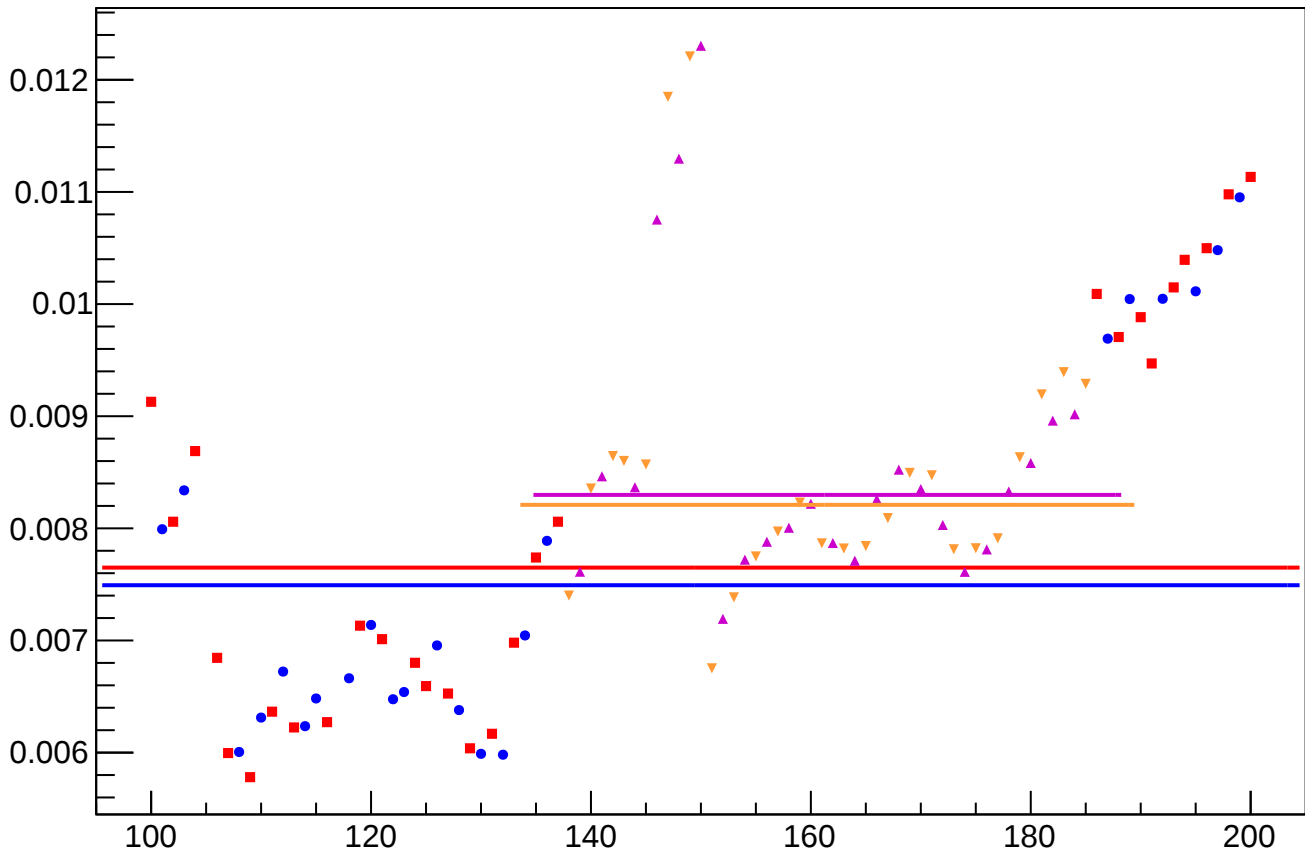
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.230 $\pm$ 0.000 χ^2 /NDF: 104981516428.8/47

All: 1.212 $\pm$ 0.000 χ^2 /NDF: 215444391580.9

- sign 1.195 $\pm$ 0.000 χ^2 /NDF: 110185761872.6/50

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 902011.9/22

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:478864.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1277026.3/27

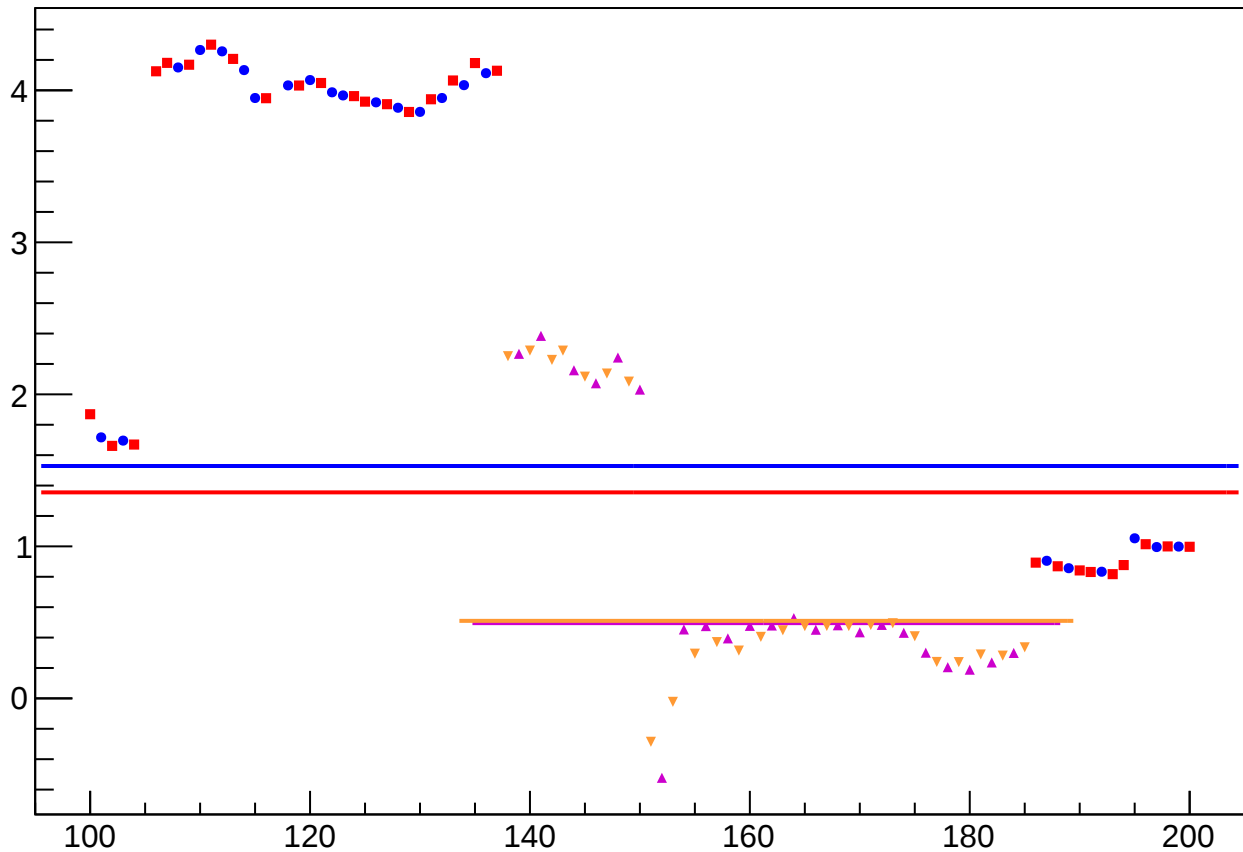
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1490991.4/47

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3327792.0/98

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1833883.4/50

yield_bpm1i04Y_mean vs Slug



Right In: 1.529+/-0.000 χ^2/NDF : 1372814221704.4/22

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.355+/-0.000 χ^2/NDF : 1646168327174.9/27

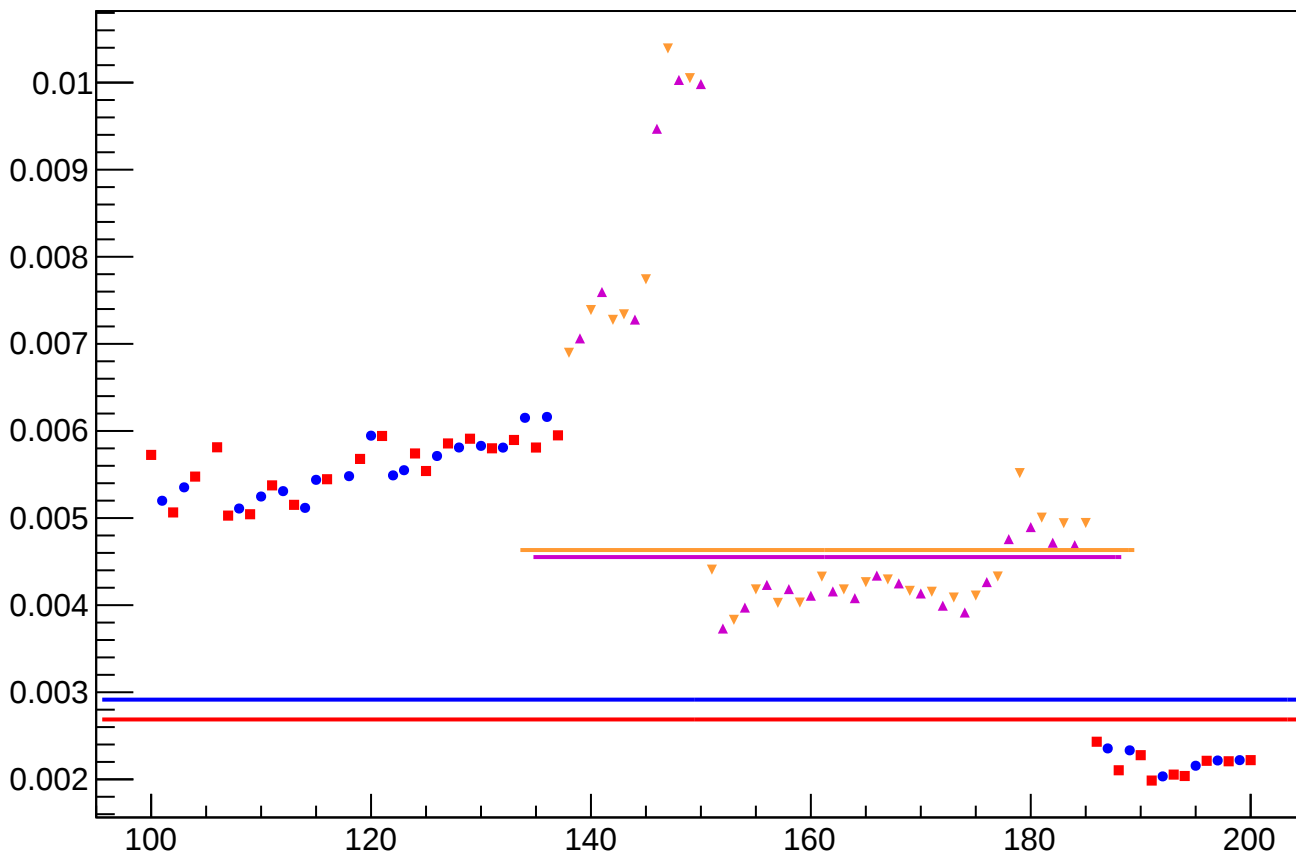
Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.079+/-0.000 χ^2/NDF : 2097848189915.4/47

All: 1.066+/-0.000 χ^2/NDF : 4379223335853.

- sign 1.056+/-0.000 χ^2/NDF : 2280868529045.6/50

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3929051.7/22

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4410184.6/27

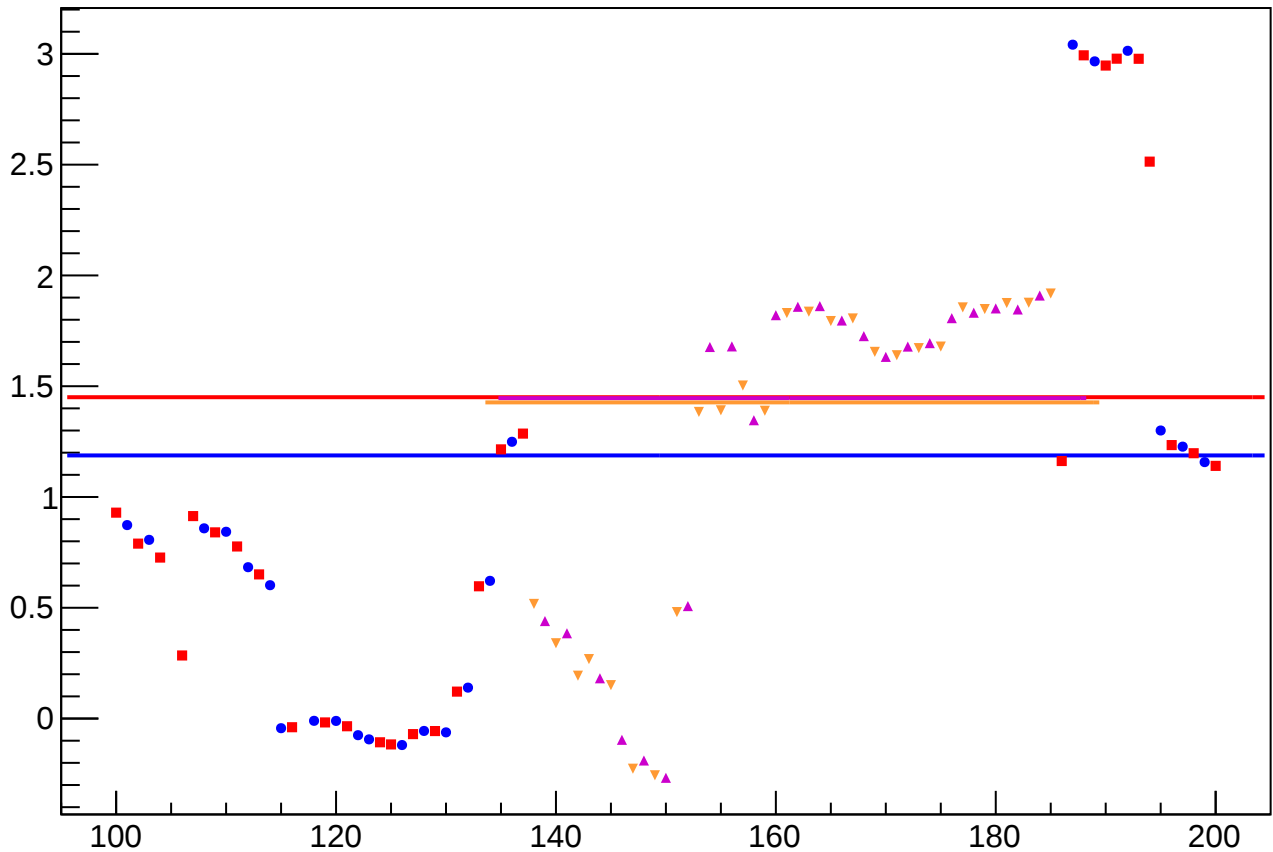
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.004+/-0.000 χ^2/NDF : 8603273.0/47

All: 0.003+/-0.000 χ^2/NDF : 18911662.2/98

- sign 0.003+/-0.000 χ^2/NDF : 10086125.9/50

yield_bpm1i06X_mean vs Slug



Right In: 1.188 $\pm$ 0.000 χ^2 /NDF: 72602061900.6/22

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.450 $\pm$ 0.000 χ^2 /NDF: 98610397988.2/27

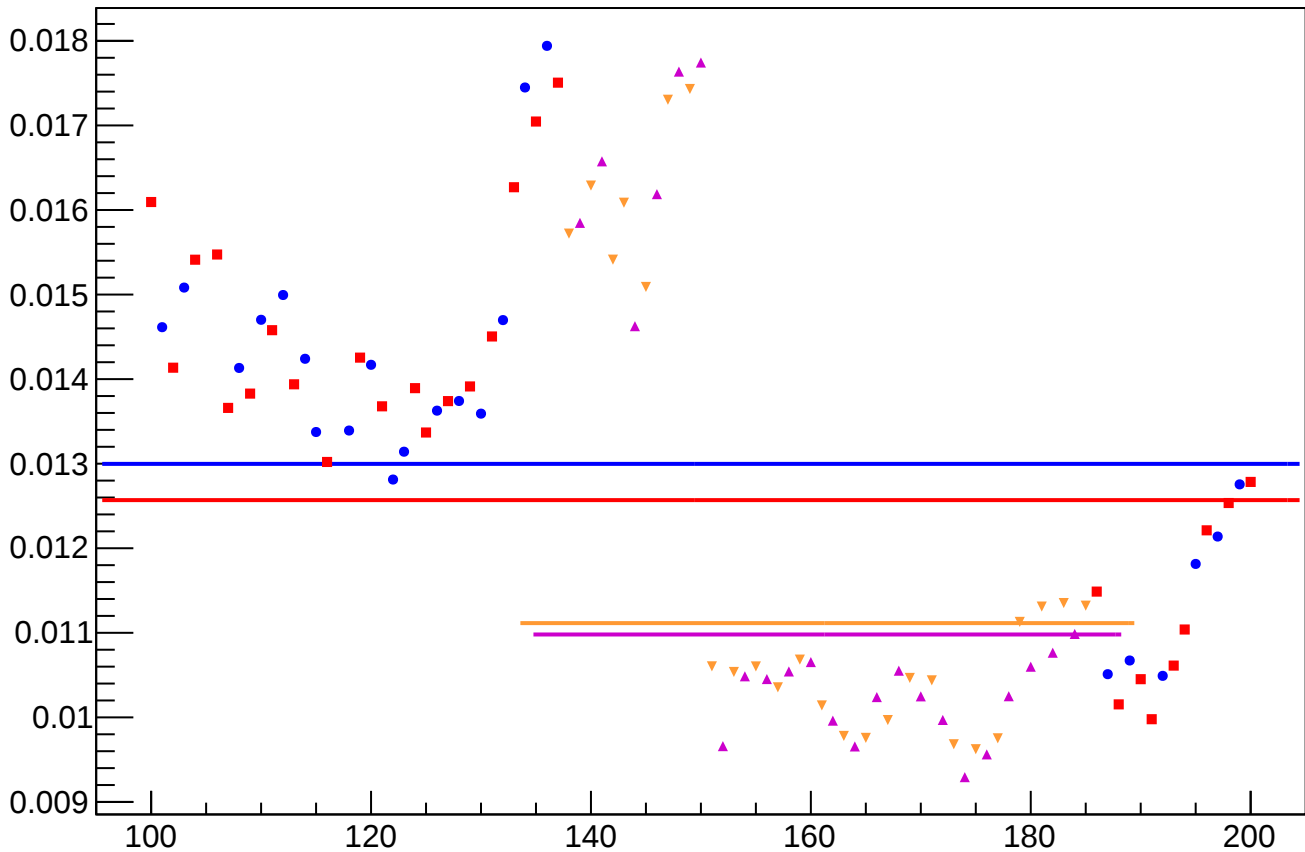
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.355 $\pm$ 0.000 χ^2 /NDF: 125044525342.1/47

All: 1.403 $\pm$ 0.000 χ^2 /NDF: 278309314381.9

- sign 1.448 $\pm$ 0.000 χ^2 /NDF: 152363786812.1/50

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 429595.4/22

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 548629.4/27

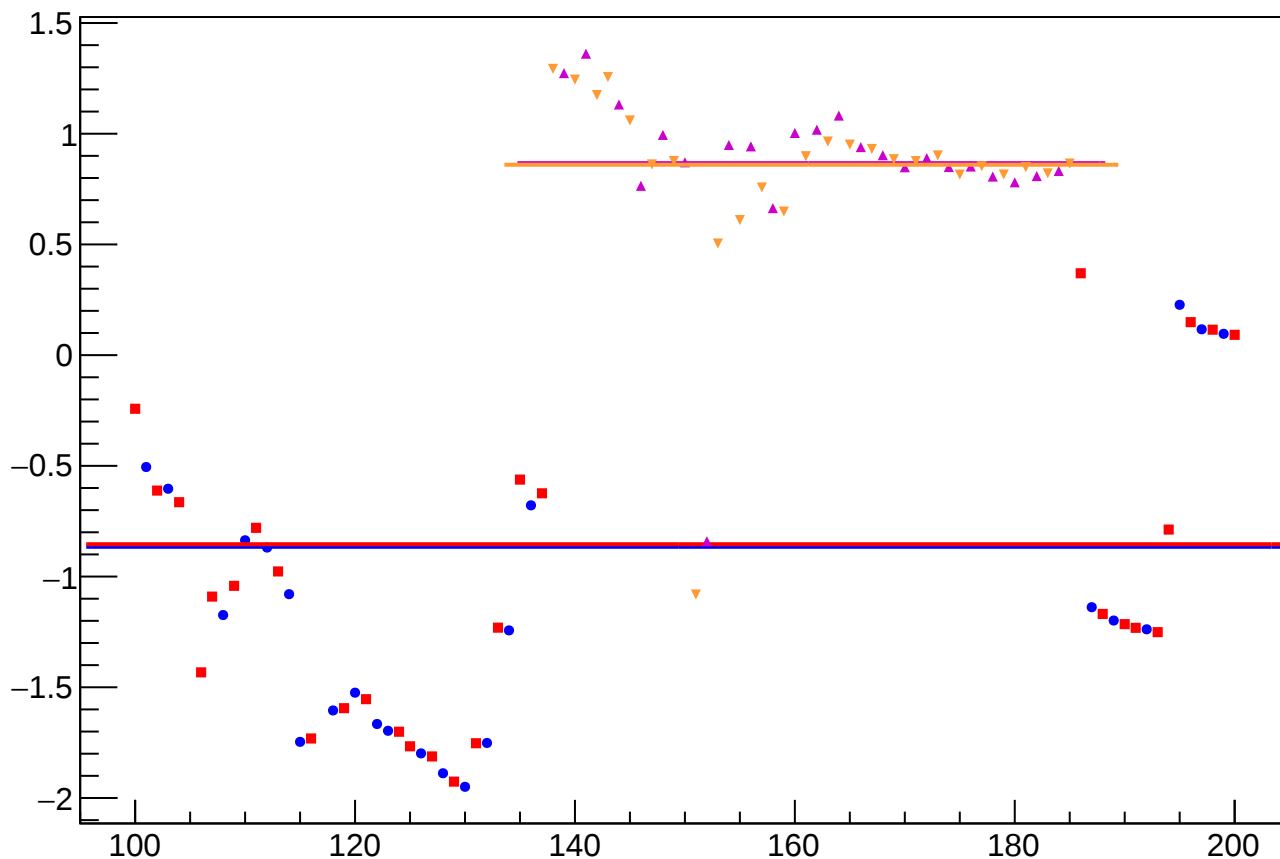
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 1960402.1/47

All: 0.012+/-0.000 χ^2/NDF : 4030419.4/98

- sign 0.012+/-0.000 χ^2/NDF : 2066996.2/50

yield_bpm1i06Y_mean vs Slug



Right In: -0.866+/-0.000 χ^2/NDF : 124626395093.2/22

Left Out: 0.860+/-0.000 χ^2/NDF :126335891175.4/24

Right Out: -0.854+/-0.000 χ^2/NDF : 123787005932.9/27

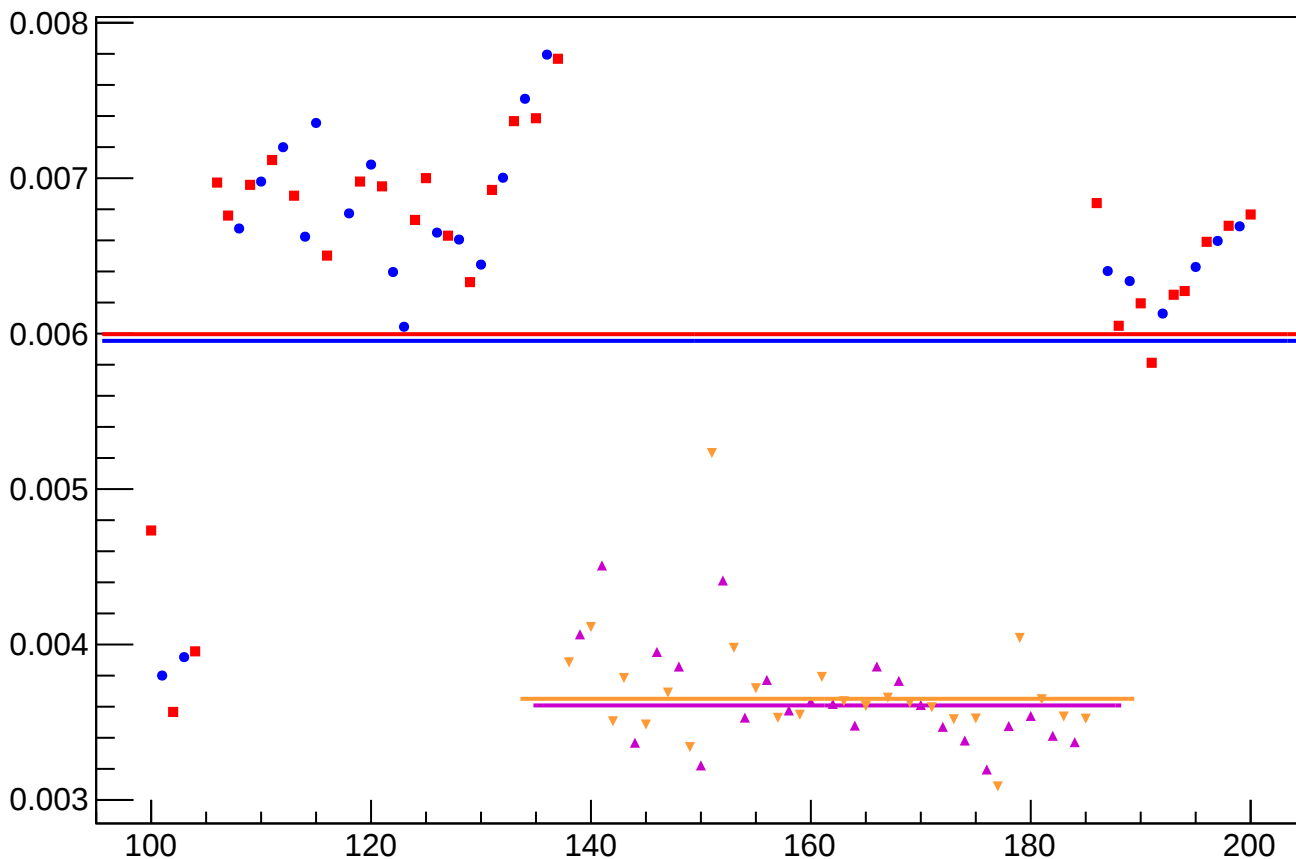
Left In: 0.867+/-0.000 χ^2/NDF :147039402944.6/22

+ sign 0.552+/-0.000 χ^2/NDF : 917311138584.0/47

All: 0.526+/-0.000 χ^2/NDF : 1953024792527.

- sign 0.500+/-0.000 χ^2/NDF : 1033661773444.9/50

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 906355.0/22

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1020383.4/27

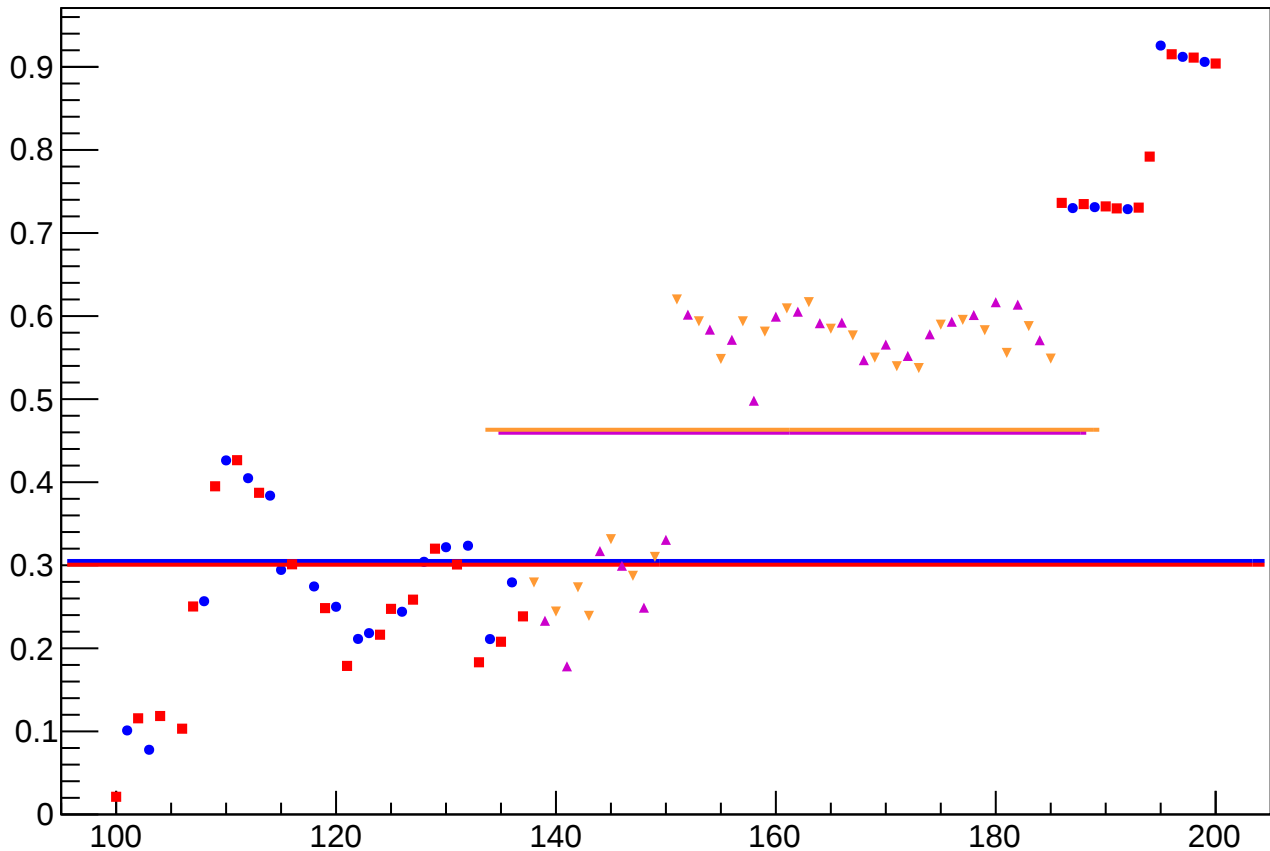
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3517381.8/47

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 7708419.9/98

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4186292.3/50

yield_bpm2i01X_mean vs Slug



Right In: 0.305 $\pm$ 0.000 χ^2 /NDF: 93571833104.4/22

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF:102506270538.7/24

Right Out: 0.301 $\pm$ 0.000 χ^2 /NDF: 126232860543.2/27

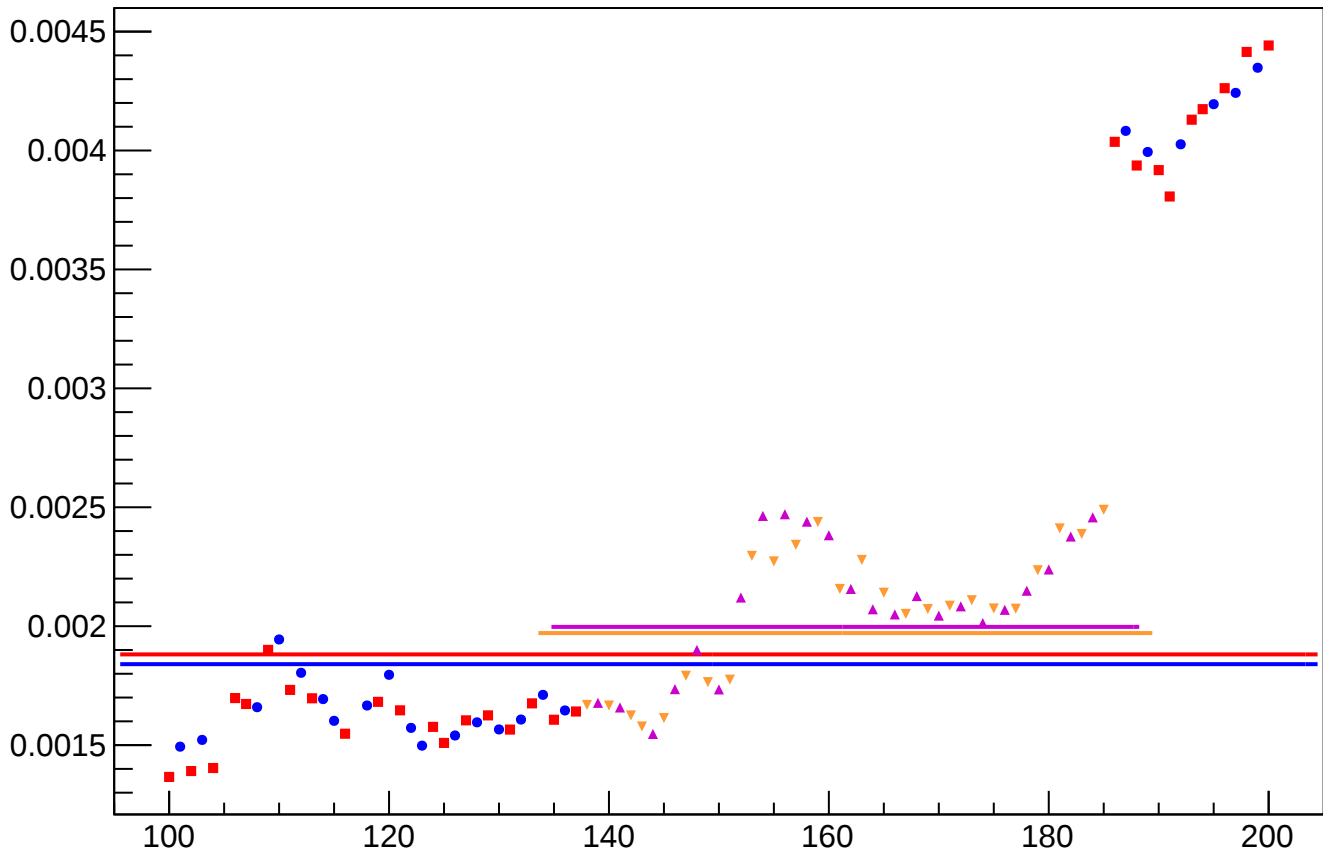
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF:104559088628.4/22

+ sign 0.405 $\pm$ 0.000 χ^2 /NDF: 238156433170.8/47

All: 0.399 $\pm$ 0.000 χ^2 /NDF: 514177326856.7

- sign 0.393 $\pm$ 0.000 χ^2 /NDF: 275453276967.5/50

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2734109.3/22

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 4056196.1/27

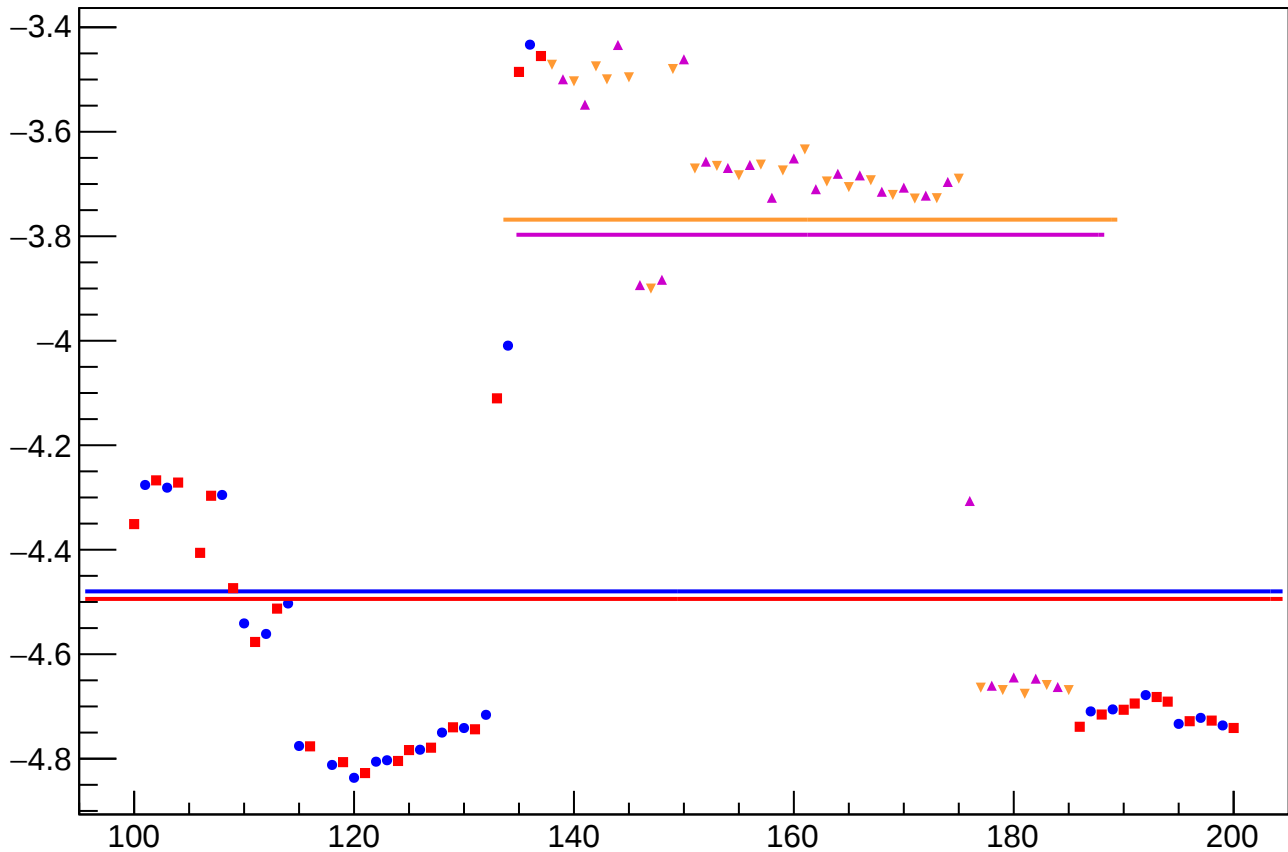
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 3521957.9/47

All: 0.002+/-0.000 χ^2/NDF : 8296558.3/98

- sign 0.002+/-0.000 χ^2/NDF : 4769964.9/50

yield_bpm2i01Y_mean vs Slug



Right In: -4.480 ± 0.000 χ^2/NDF : 416760635486.8/22

Left Out: -3.768 ± 0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.494 ± 0.000 χ^2/NDF : 359626516076.2/27

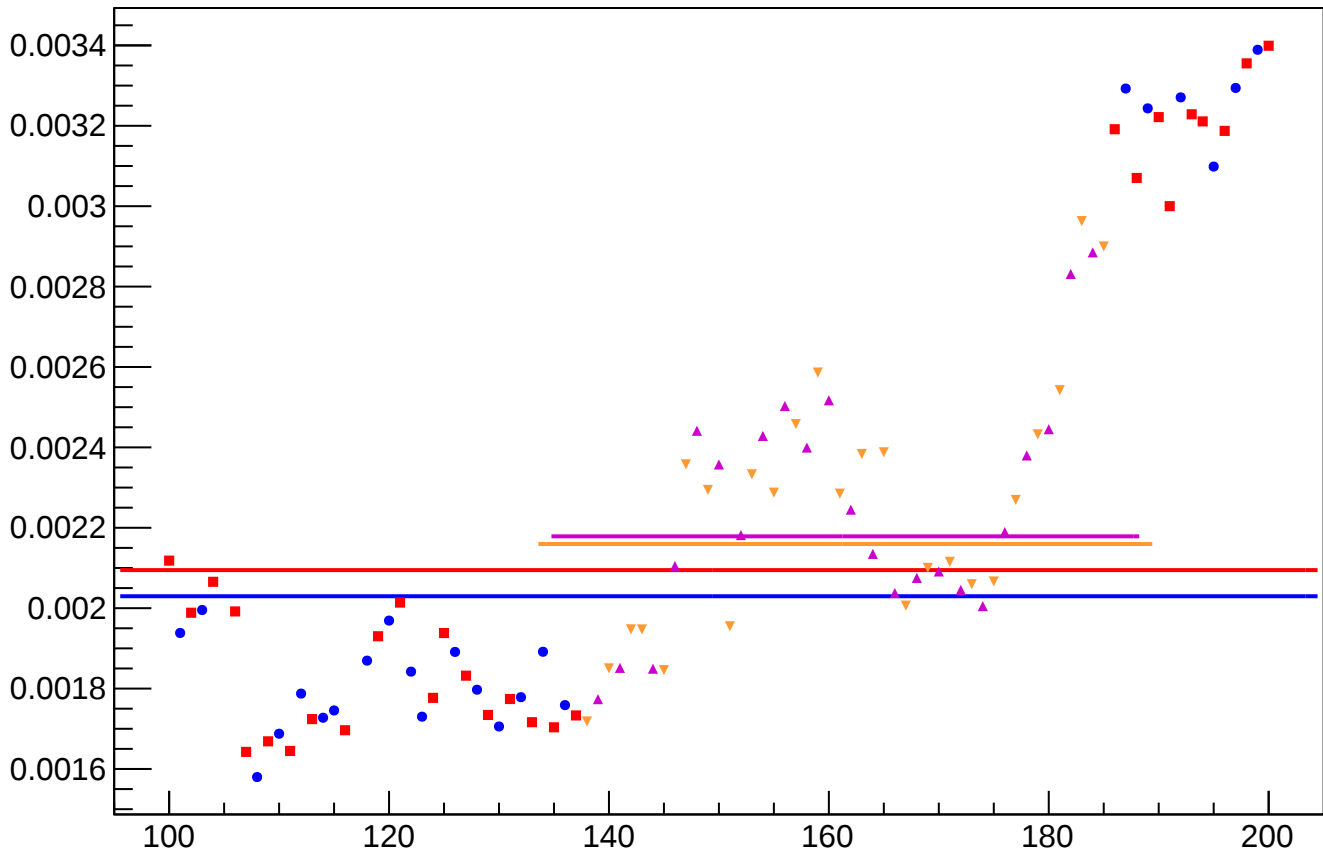
Left In: -3.797 ± 0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.040 ± 0.000 χ^2/NDF : 1671409897250.2/4

All: -4.069 ± 0.000 χ^2/NDF : 3228588272115

- sign -4.097 ± 0.000 χ^2/NDF : 1547089481320.3/50

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1361315.5/22

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 1888260.9/27

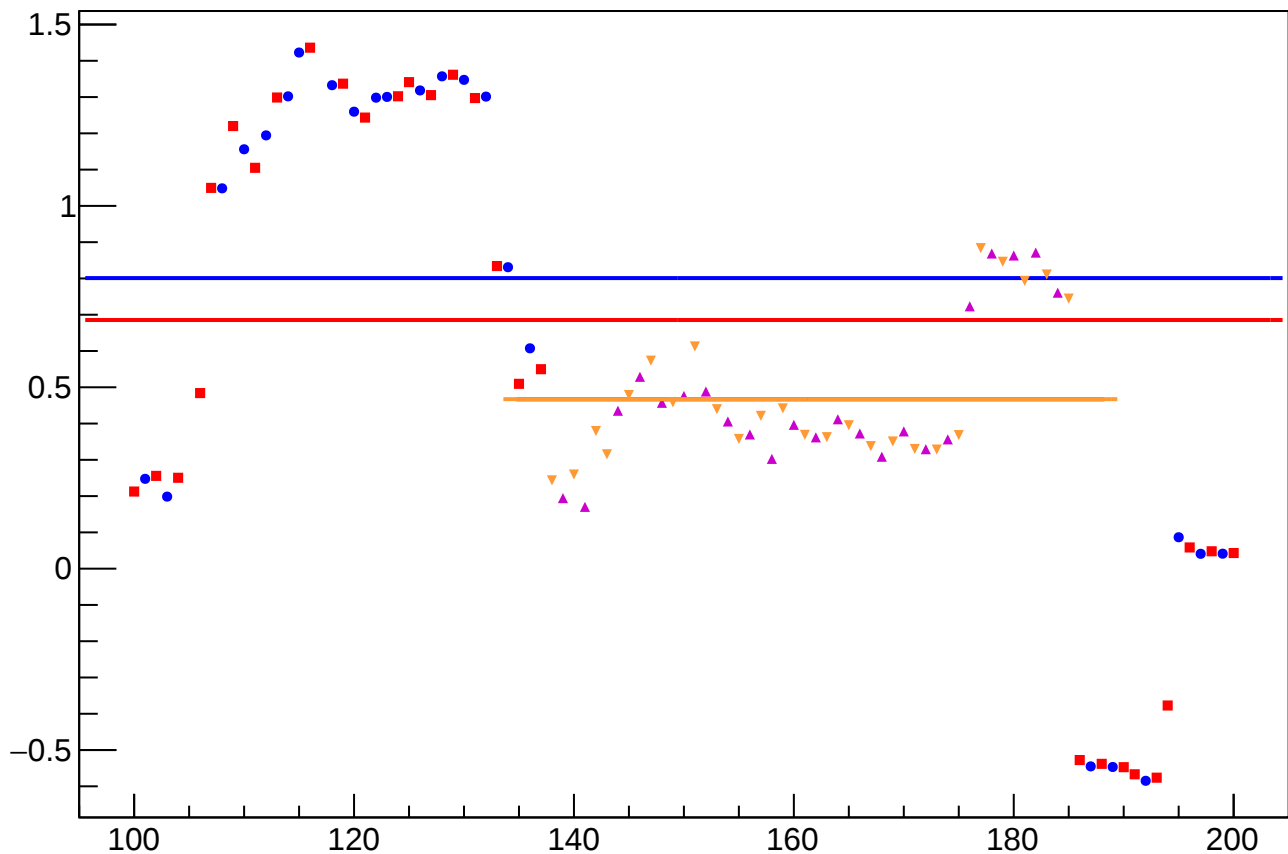
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 1958353.8/47

All: 0.002+/-0.000 χ^2/NDF : 4338043.6/98

- sign 0.002+/-0.000 χ^2/NDF : 2373102.5/50

yield_bpm2i02X_mean vs Slug



Right In: 0.801 $\pm$ 0.000 χ^2 /NDF: 64353870233.4/22

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

+ sign 0.610 $\pm$ 0.000 χ^2 /NDF: 81641143220.0/47

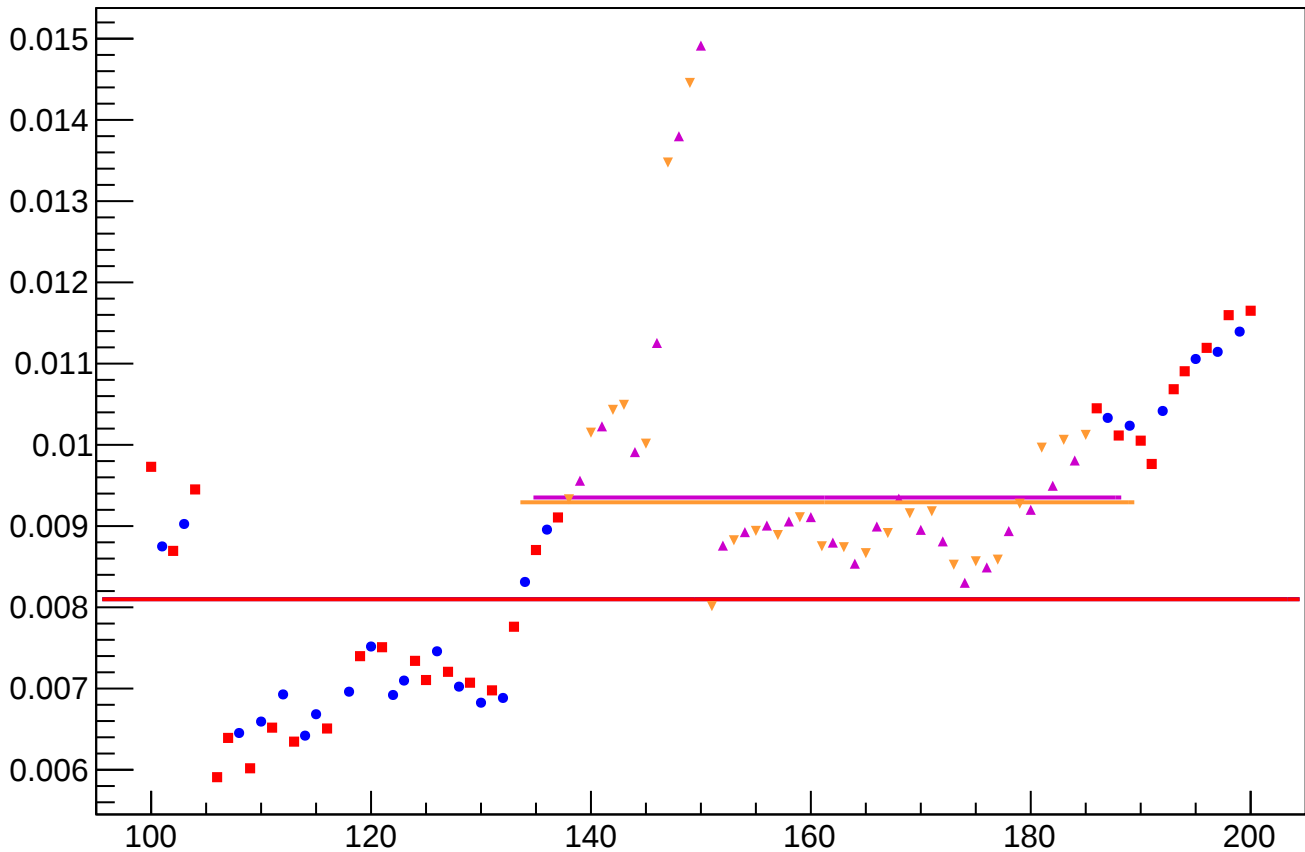
Right Out: 0.685 $\pm$ 0.000 χ^2 /NDF: 90508940792.3/27

All: 0.591 $\pm$ 0.000 χ^2 /NDF: 184979138525.0

- sign 0.574 $\pm$ 0.000 χ^2 /NDF: 103104715961.3/50

Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

yield_bpm2i02X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 832183.4/22

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:528279.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1293879.8/27

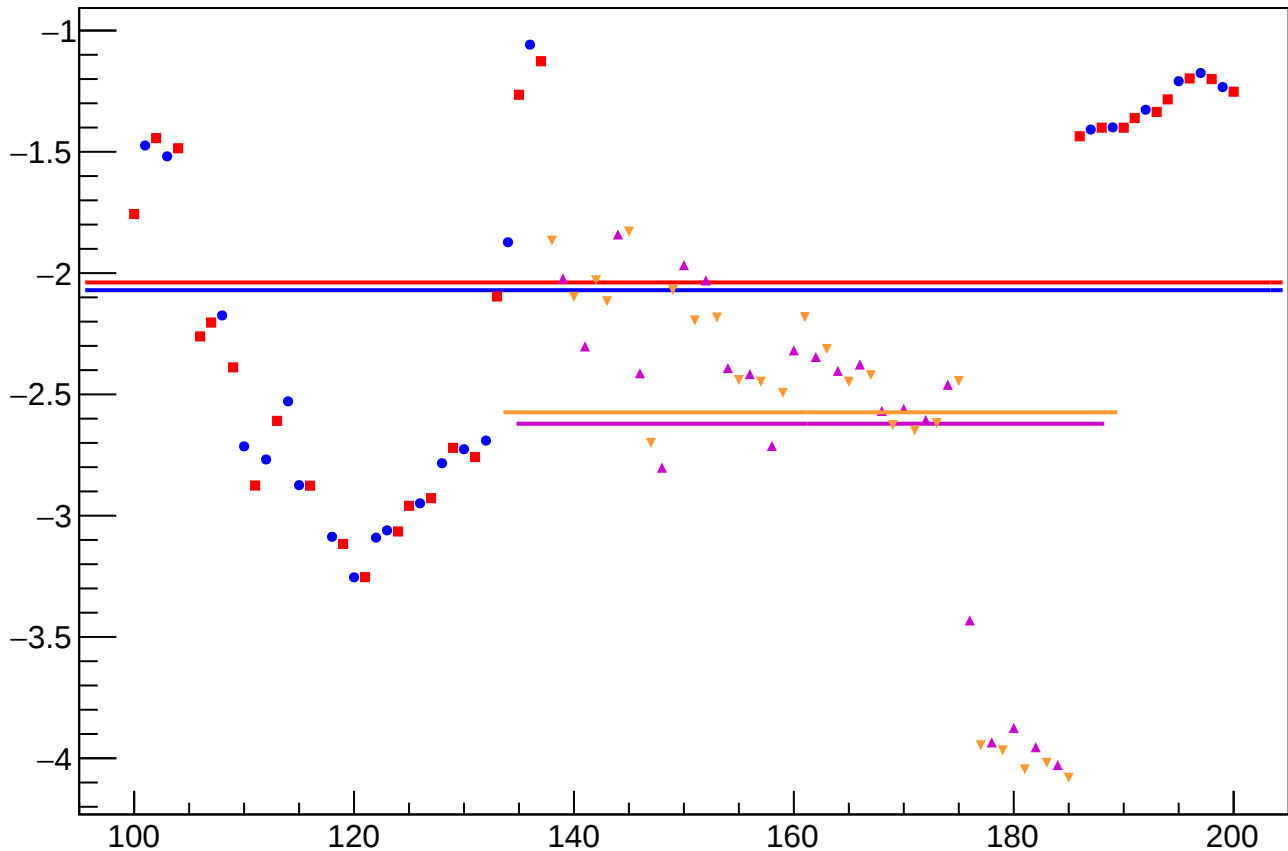
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:557555.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1613901.8/47

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 3765755.0/98

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2151005.9/50

yield_bpm2i02Y_mean vs Slug



Right In: -2.070 ± 0.000 $\chi^2/\text{NDF}: 107984550870.7/22$

Left Out: -2.574 ± 0.000 $\chi^2/\text{NDF}: 99176112704.9/24$

Right Out: -2.038 ± 0.000 $\chi^2/\text{NDF}: 111399154512.9/27$

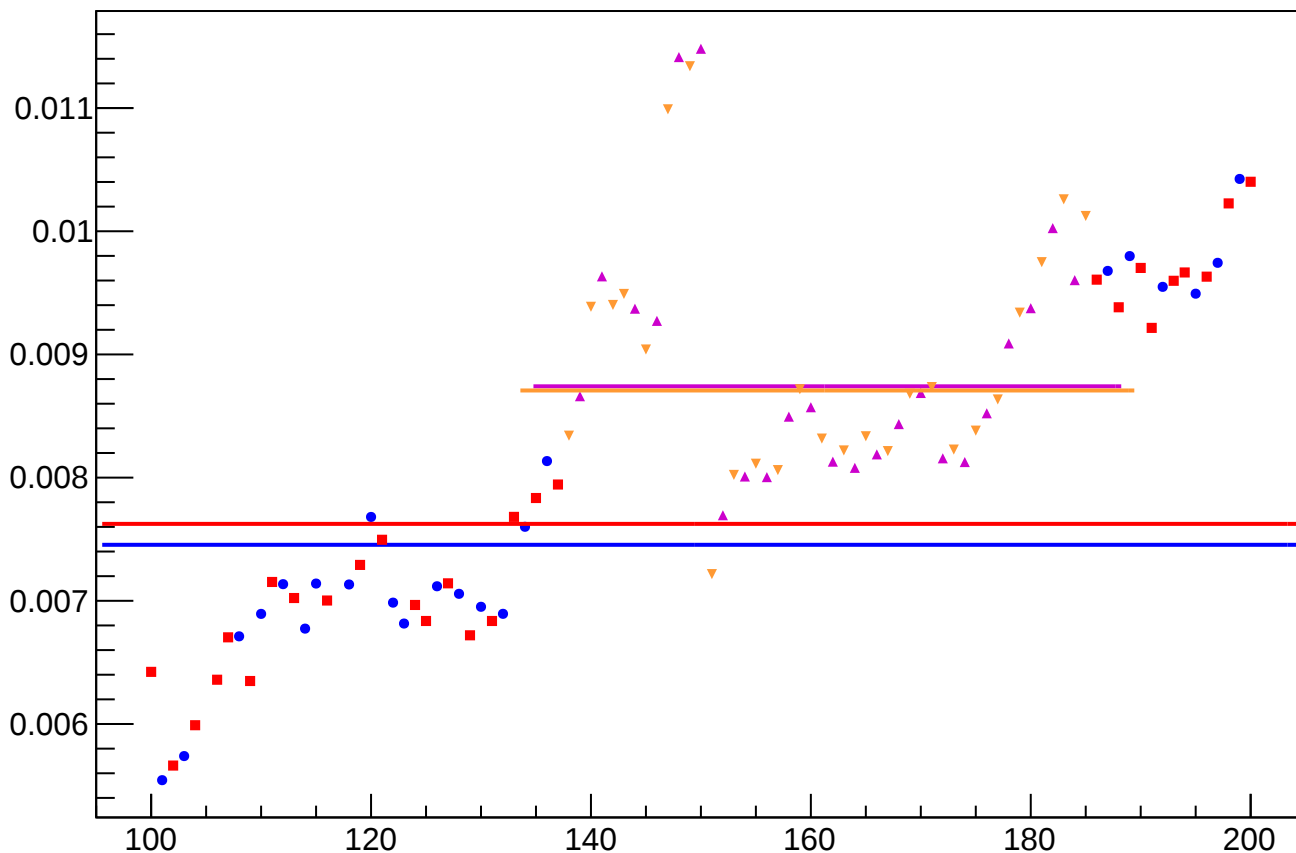
Left In: -2.621 ± 0.000 $\chi^2/\text{NDF}: 80862402796.4/22$

+ sign -2.355 ± 0.000 $\chi^2/\text{NDF}: 233563601167.5/47$

All: -2.345 ± 0.000 $\chi^2/\text{NDF}: 463142414797.7$

- sign -2.336 ± 0.000 $\chi^2/\text{NDF}: 229501139088.0/50$

yield_bpm2i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 743608.4/22

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:369376.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 915435.8/27

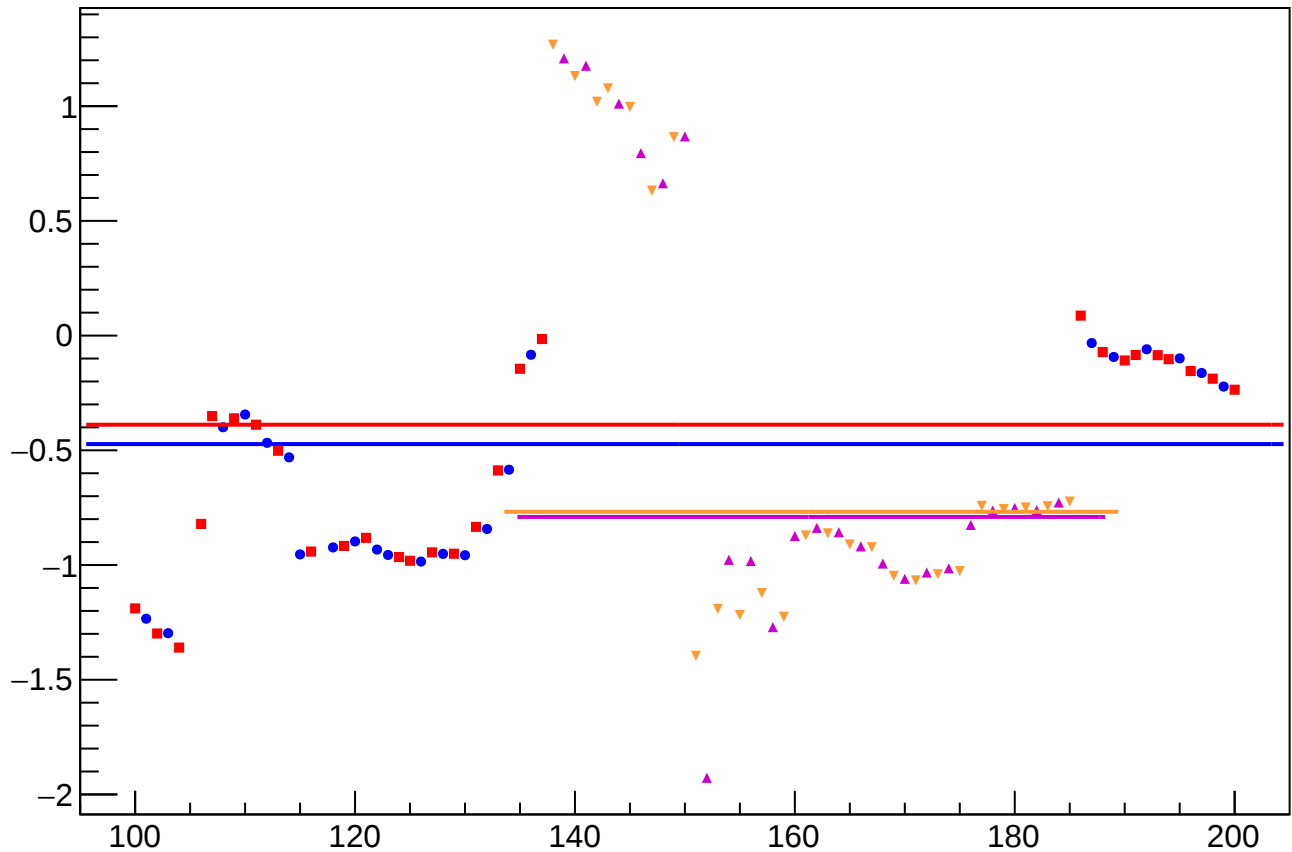
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:353750.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1440134.7/47

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2983524.8/98

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1542943.3/50

yield_bpm0i01X_mean vs Slug



Right In: -0.473 ± 0.000 χ^2/NDF : 21204548096.4/22

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.388 ± 0.000 χ^2/NDF : 24821414633.0/27

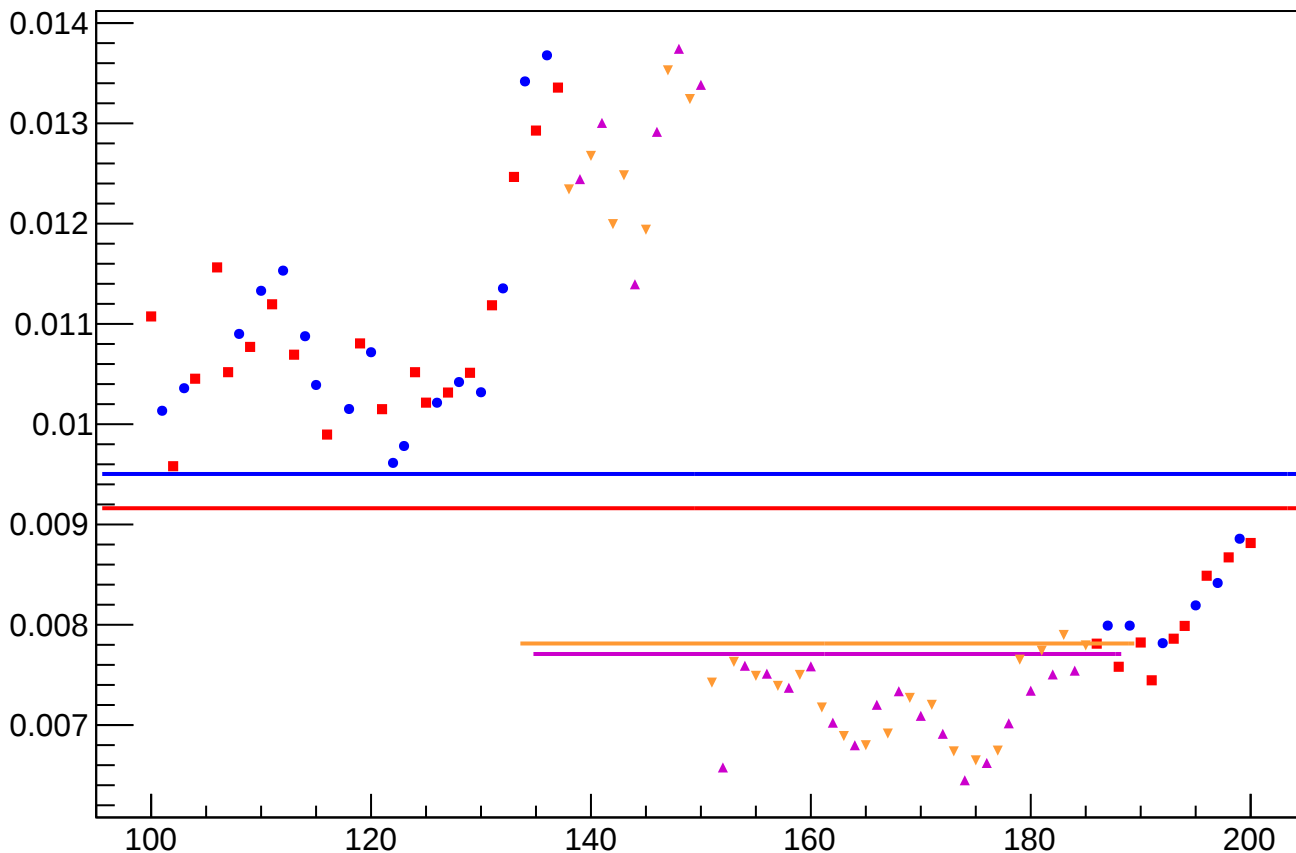
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.683 ± 0.000 χ^2/NDF : 149003926330.1/47

All: -0.666 ± 0.000 χ^2/NDF : 312992185137.7

- sign -0.649 ± 0.000 χ^2/NDF : 163747905732.8/50

yield_bpm0i01X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 514227.3/22

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1705997.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 627864.4/27

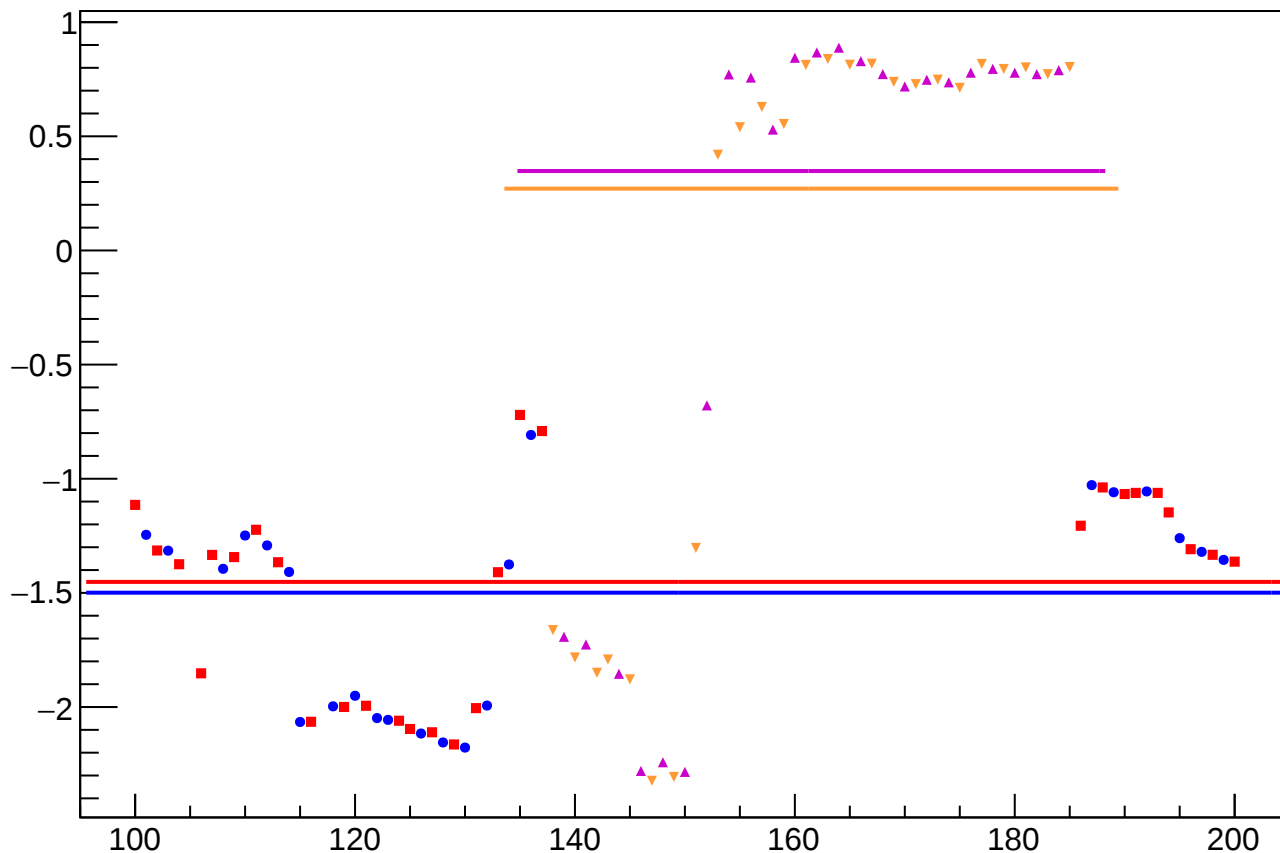
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2681643.3/47

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5463172.7/98

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2779077.6/50

yield_bpm0i01Y_mean vs Slug



Right In: -1.499+/-0.000 χ^2/NDF : 172490769483.0/22

Left Out: 0.271+/-0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.452+/-0.000 χ^2/NDF : 163679760540.9/27

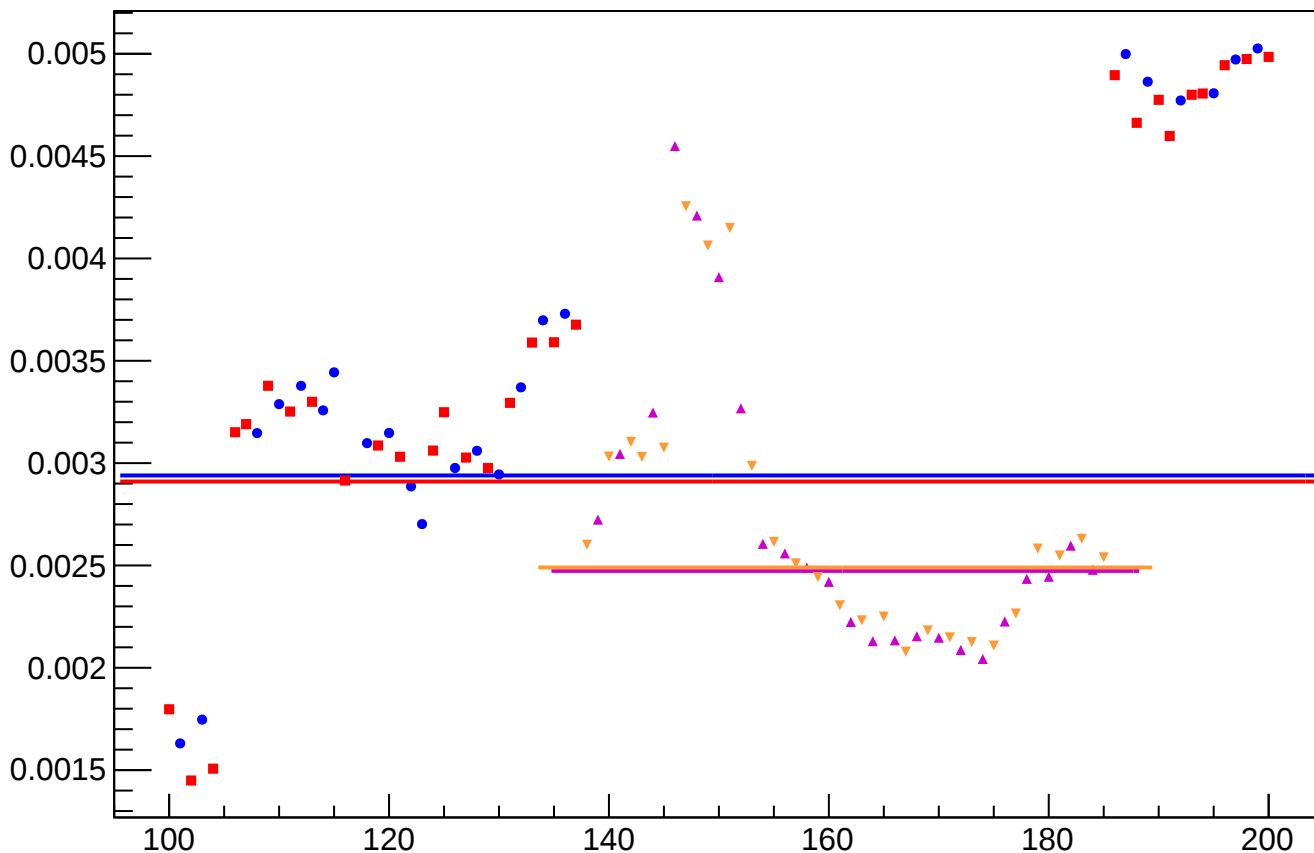
Left In: 0.348+/-0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.221+/-0.000 χ^2/NDF : 5038553298552.7/4

All: -0.232+/-0.000 χ^2/NDF : 1011165129343

- sign -0.242+/-0.000 χ^2/NDF : 5072327482106.0/50

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 2452809.9/22

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1070282.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 3775375.1/27

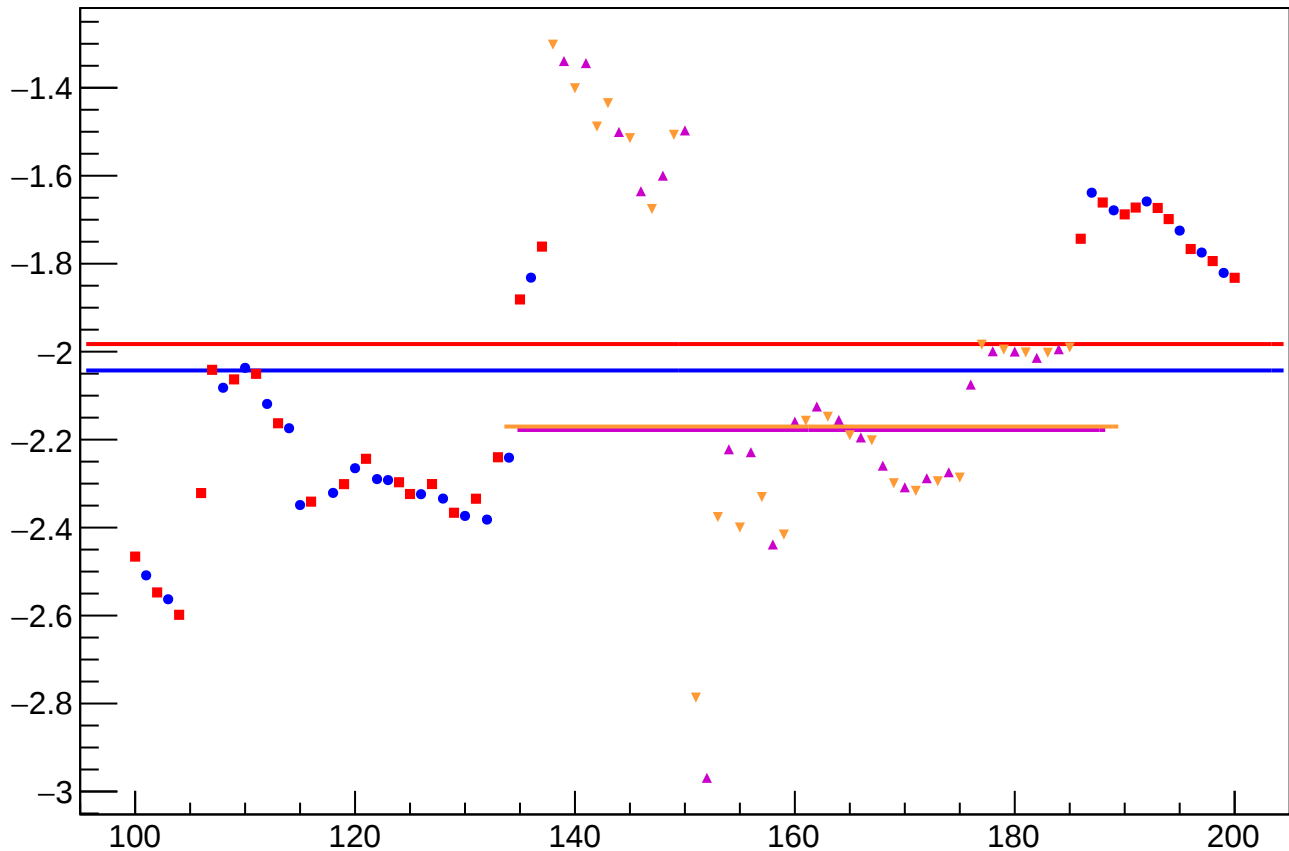
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3817863.5/47

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 9038651.8/98

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5220780.7/50

yield_bpm0i01aX_mean vs Slug



Right In: -2.043+/-0.000 χ^2/NDF : 28071453357.8/22

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.983+/-0.000 χ^2/NDF : 34038486946.3/27

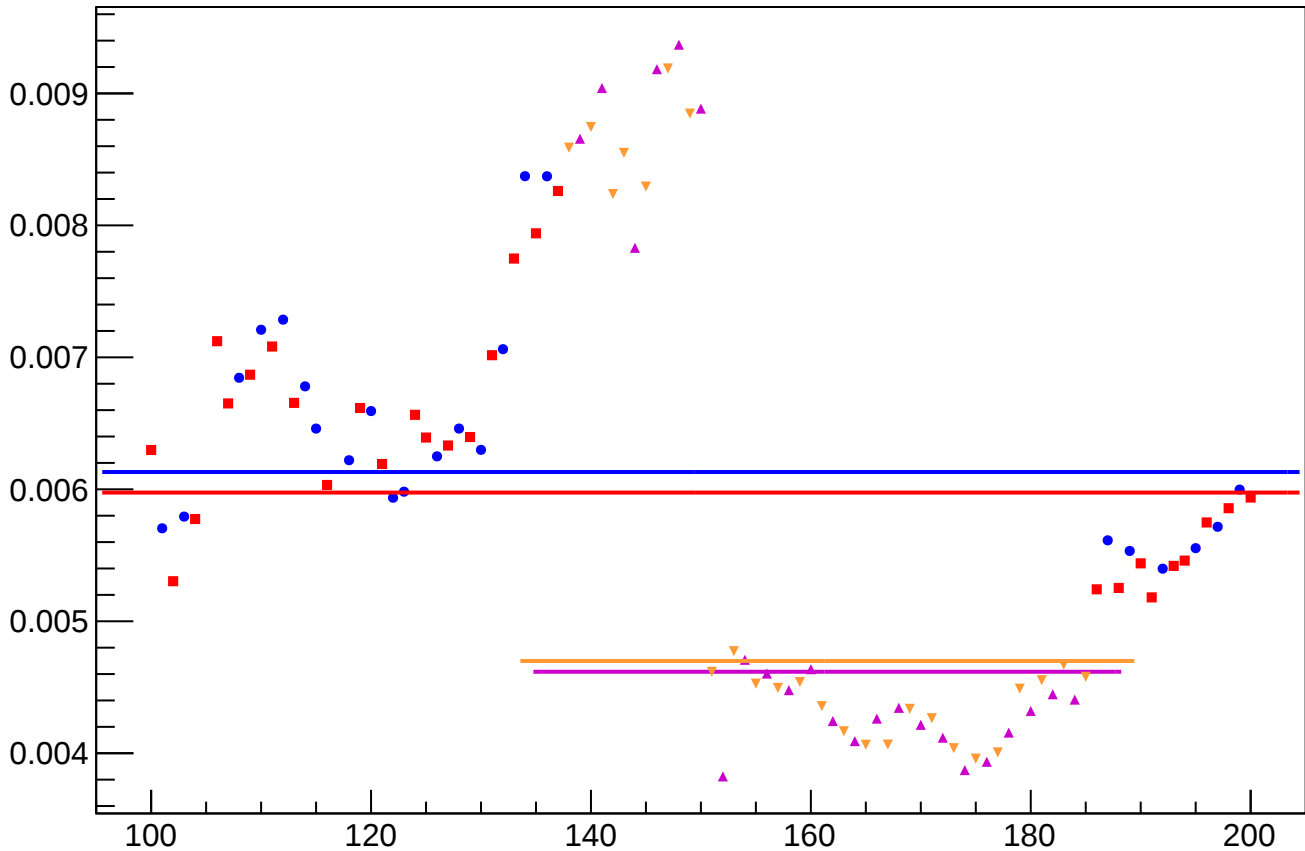
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.136+/-0.000 χ^2/NDF : 91287957115.6/47

All: -2.125+/-0.000 χ^2/NDF : 207976033359.4

- sign -2.115+/-0.000 χ^2/NDF : 116446899621.8/50

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 295777.0/22

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 349688.9/27

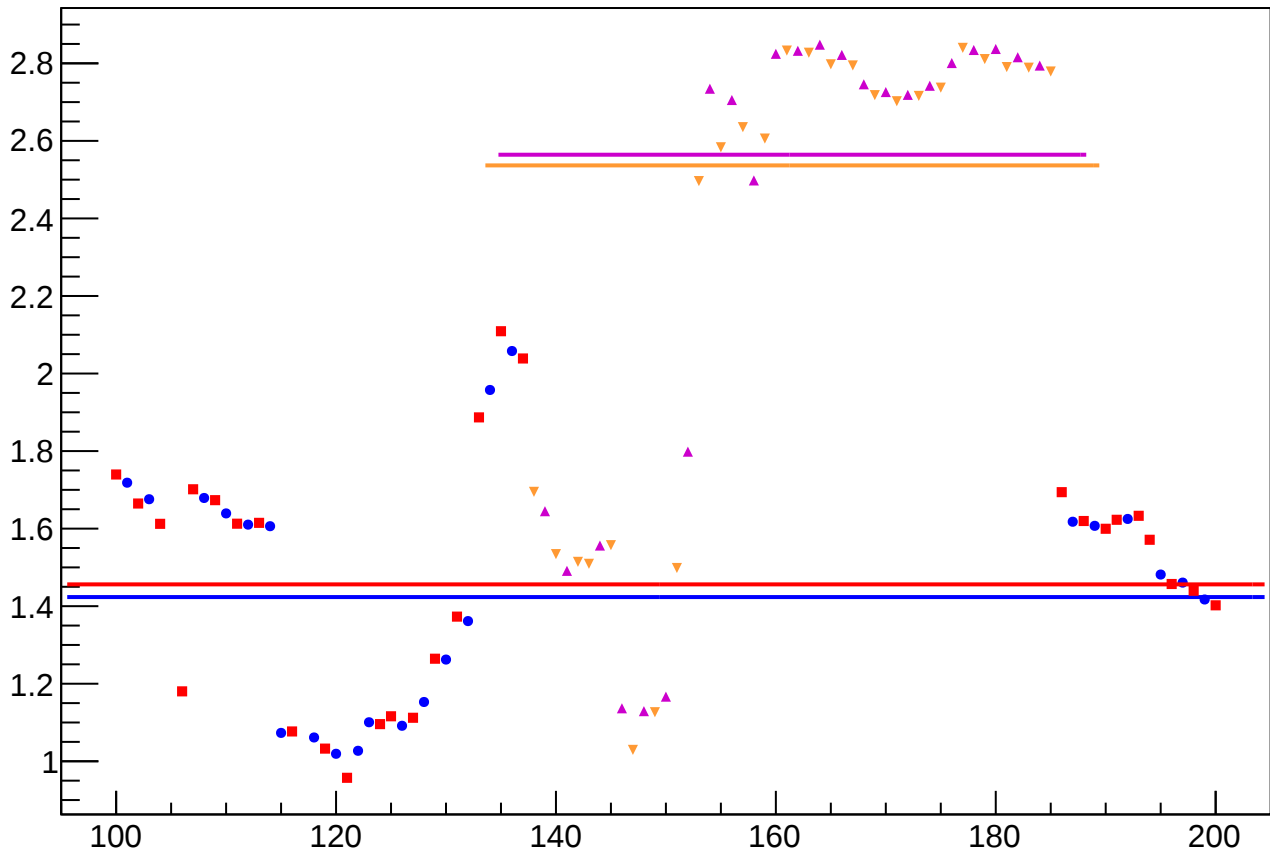
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3435182.4/47

All: 0.005+/-0.000 χ^2/NDF : 7023384.8/98

- sign 0.005+/-0.000 χ^2/NDF : 3587640.0/50

yield_bpm0i01aY_mean vs Slug



Right In: 1.423+/-0.000 χ^2/NDF : 174088441888.7/22

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.456+/-0.000 χ^2/NDF : 176738515904.0/27

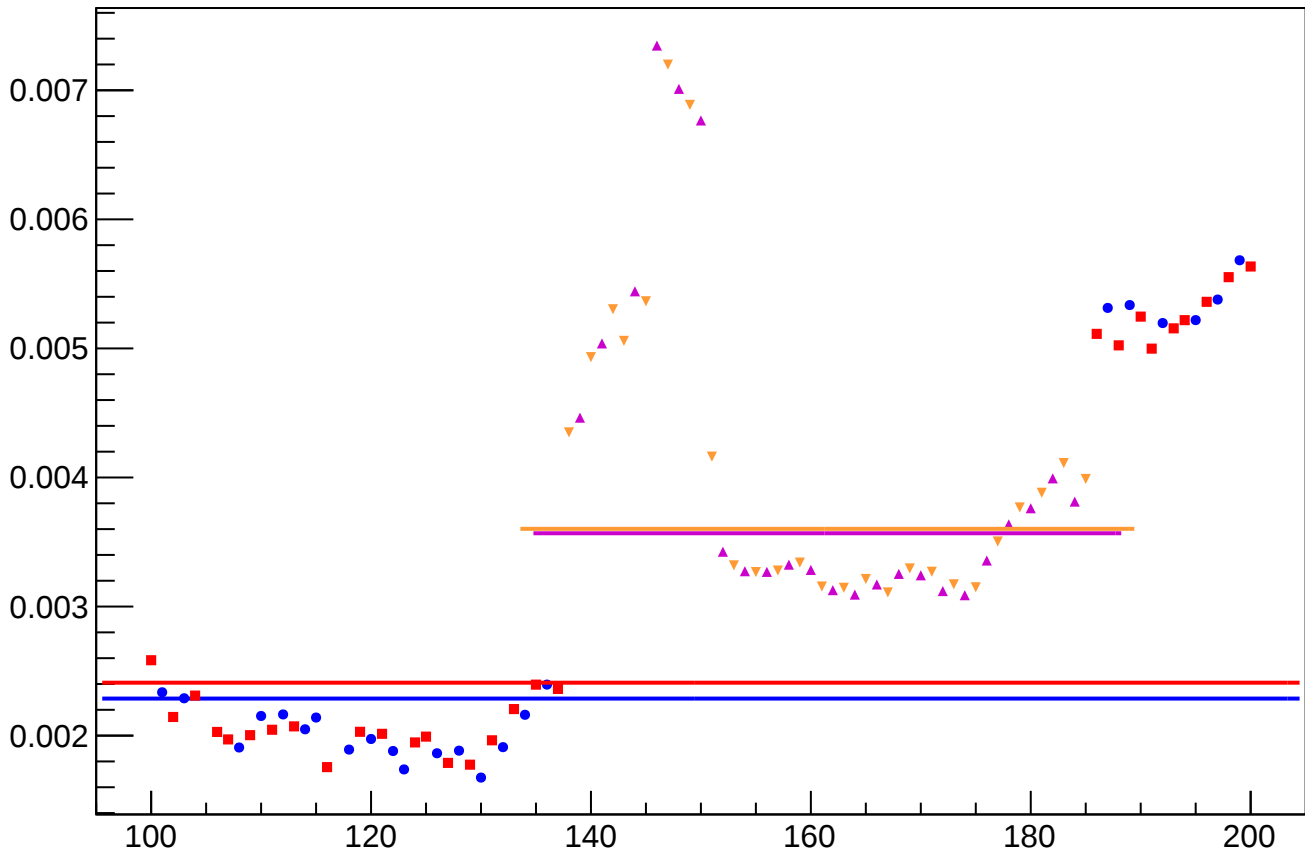
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.911+/-0.000 χ^2/NDF : 1340950267338.1/47

All: 1.909+/-0.000 χ^2/NDF : 2669819289519.

- sign 1.908+/-0.000 χ^2/NDF : 1328854153071.3/50

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2935997.9/22

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 4018559.2/27

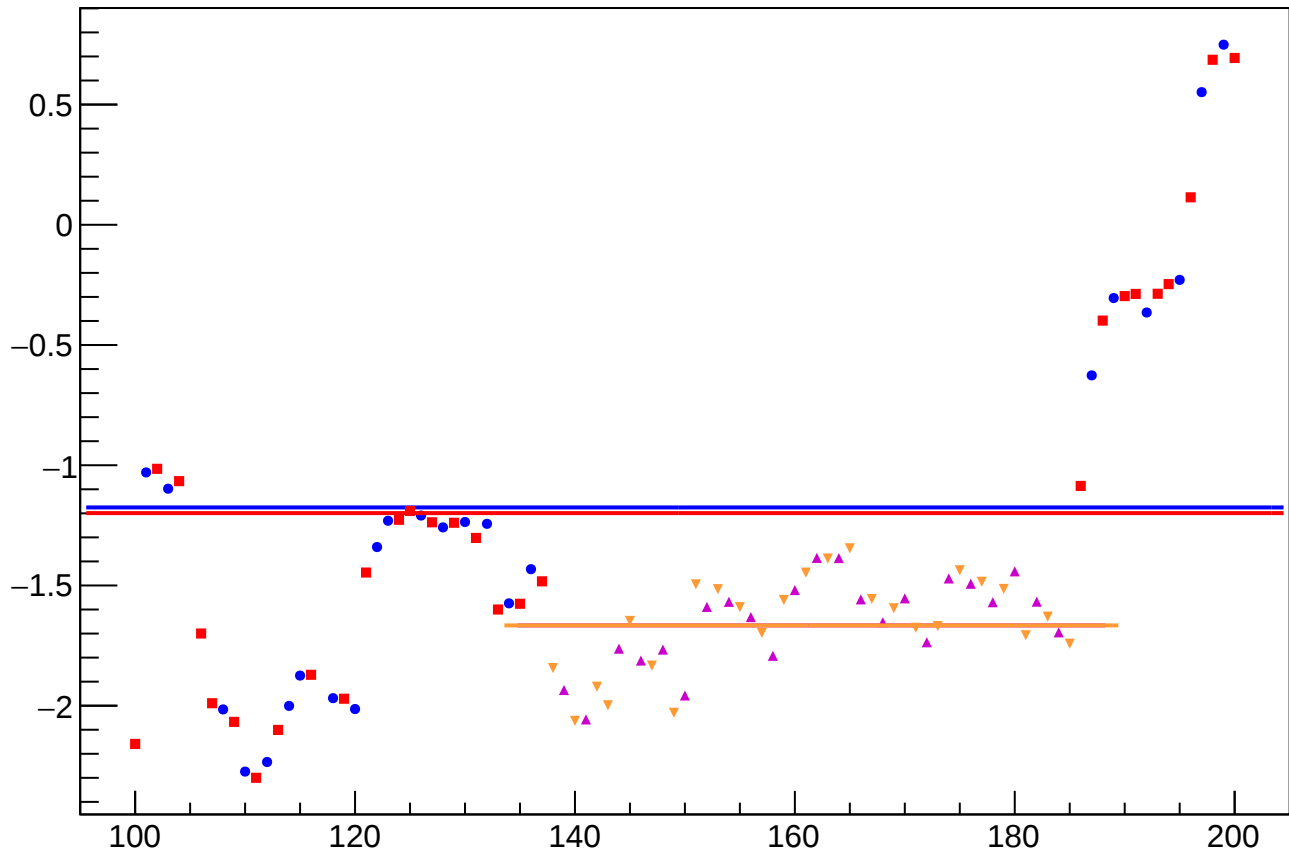
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 6851580.3/47

All: 0.003+/-0.000 χ^2/NDF : 14381462.3/98

- sign 0.003+/-0.000 χ^2/NDF : 7528801.3/50

yield_bpm0l01X_mean vs Slug



Right In: -1.175+/-0.000 χ^2/NDF : 99517258272.1/22

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.199+/-0.000 χ^2/NDF : 147150645755.8/27

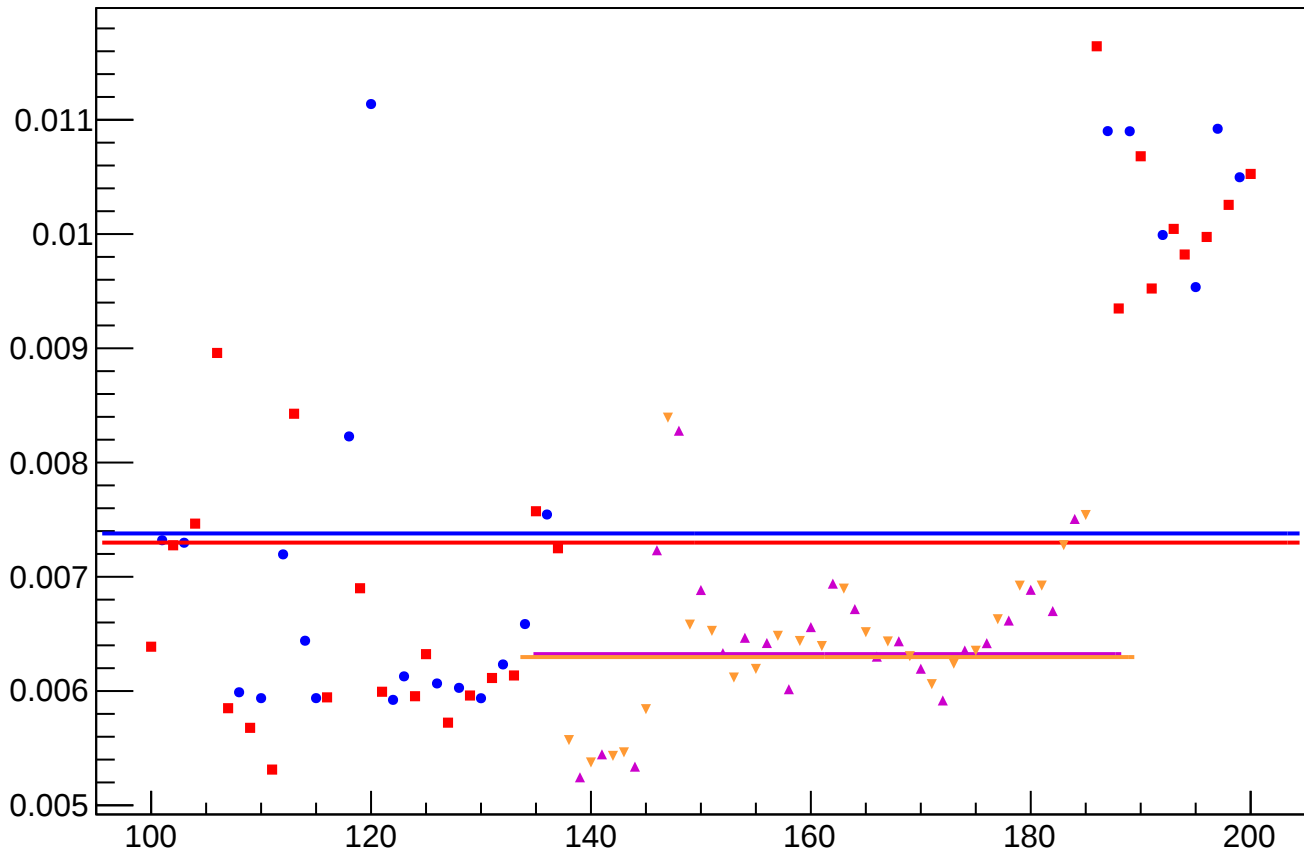
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.527+/-0.000 χ^2/NDF : 147935766063.7/47

All: -1.515+/-0.000 χ^2/NDF : 340778739706.9

- sign -1.503+/-0.000 χ^2/NDF : 192665034458.6/50

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 1009497.1/22

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 1413229.0/27

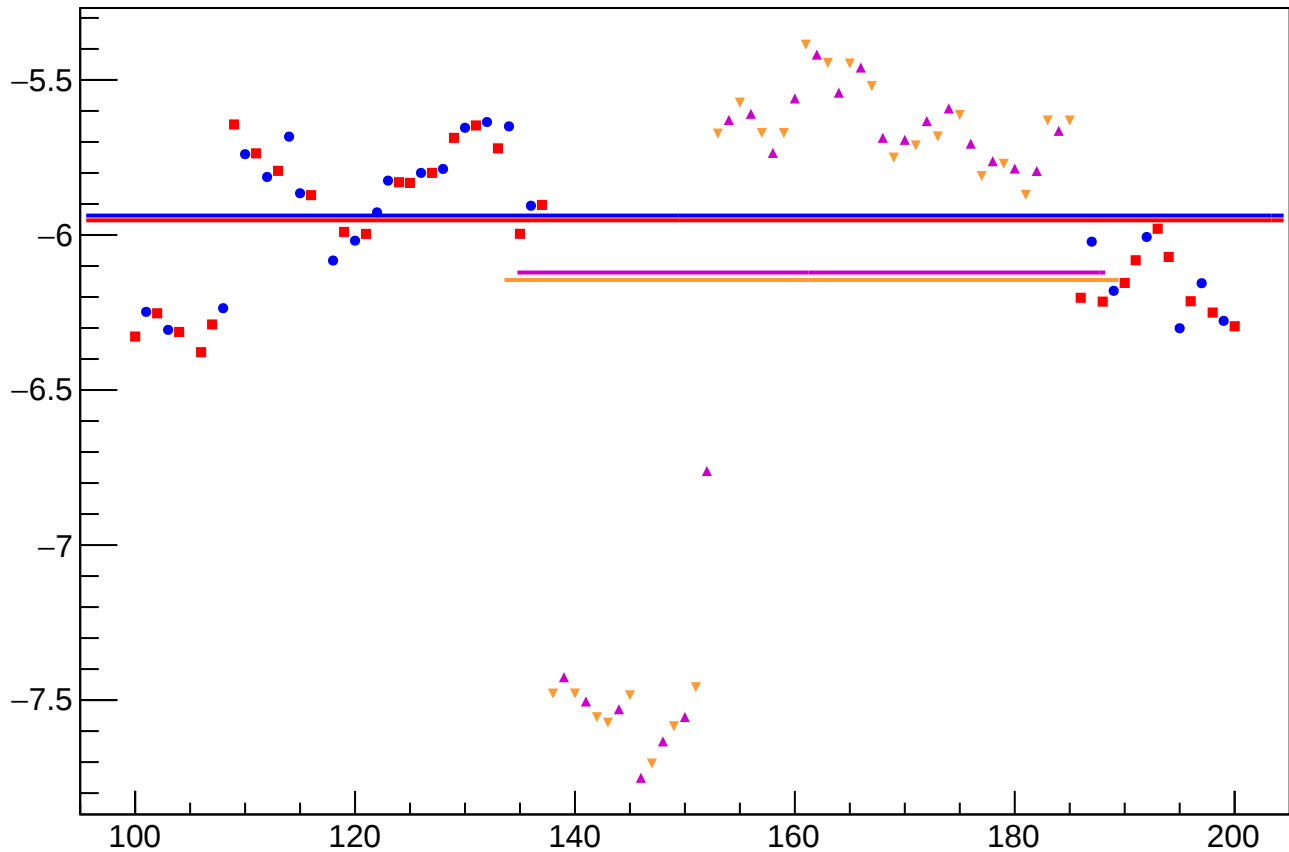
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 1612990.7/47

All: 0.007+/-0.000 χ^2/NDF : 3631950.3/98

- sign 0.007+/-0.000 χ^2/NDF : 2016736.8/50

yield_bpm0l01Y_mean vs Slug



Right In: -5.937+/-0.000 χ^2/NDF : 12848430824.7/22

Left Out: -6.145+/-0.000 χ^2/NDF : 185364150237.7/24

Right Out: -5.953+/-0.000 χ^2/NDF : 14983355898.3/27

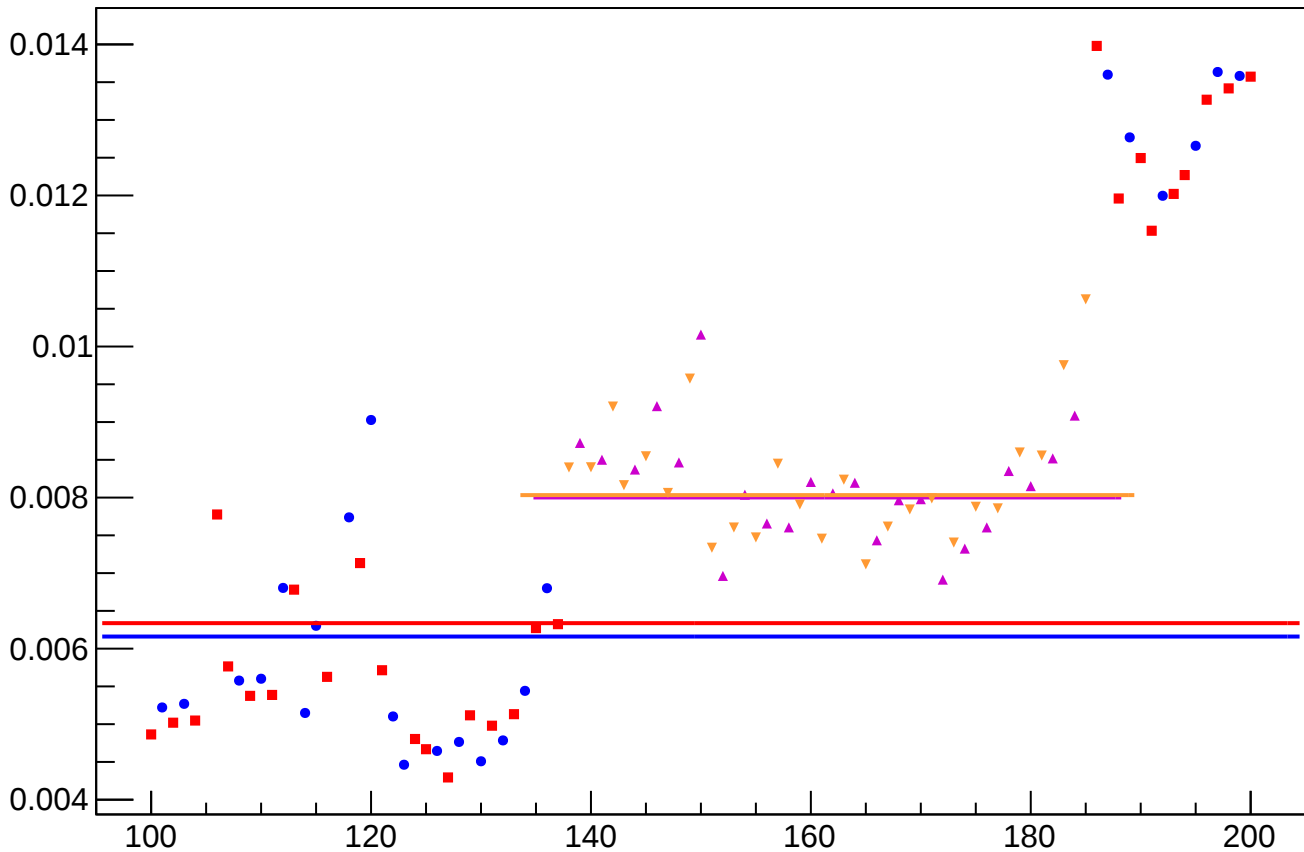
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.048+/-0.000 χ^2/NDF : 203389412727.2/47

All: -6.041+/-0.000 χ^2/NDF : 380302676418.1

- sign -6.035+/-0.000 χ^2/NDF : 176870337947.4/50

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2683805.6/22

Left Out: 0.008+/-0.000 χ^2/NDF : 205762.2/24

Right Out: 0.006+/-0.000 χ^2/NDF : 3549864.6/27

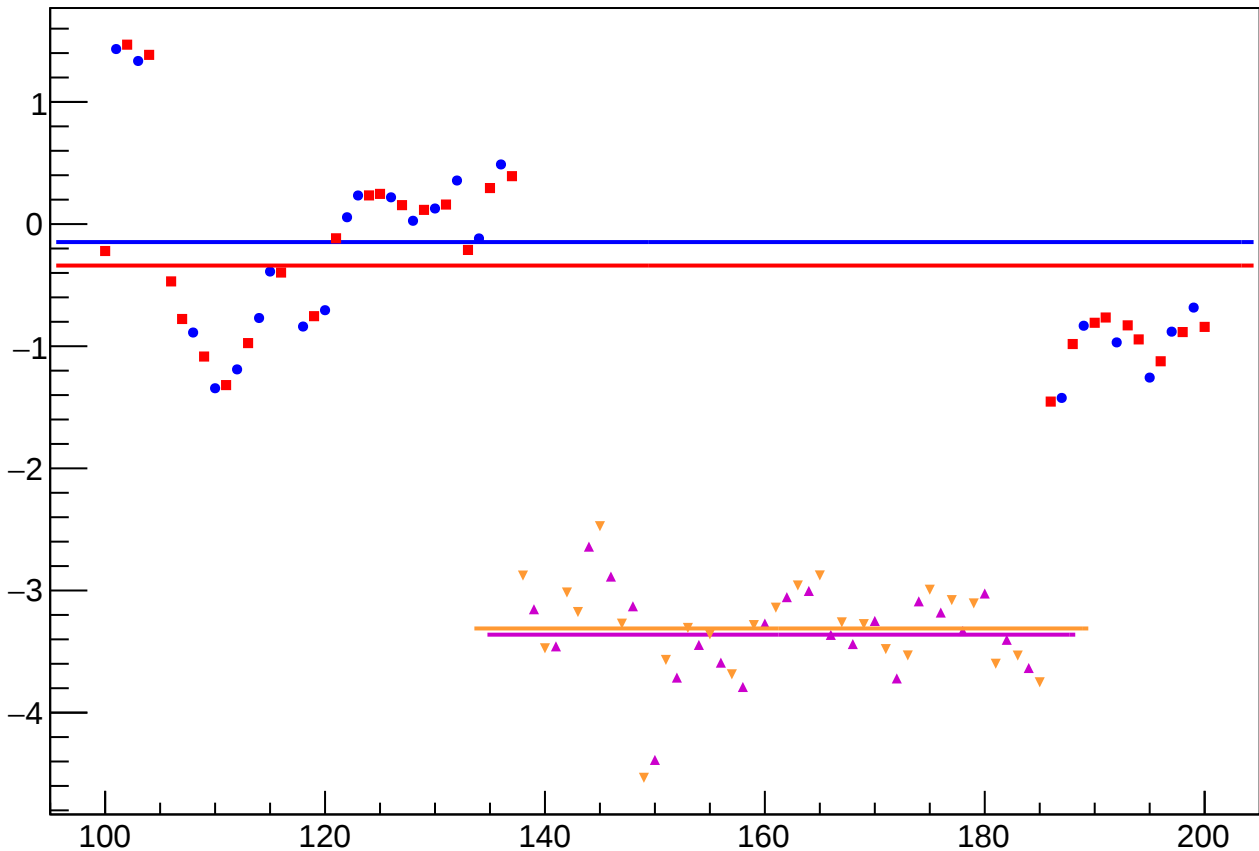
Left In: 0.008+/-0.000 χ^2/NDF : 220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 3730569.2/47

All: 0.007+/-0.000 χ^2/NDF : 8199163.0/98

- sign 0.007+/-0.000 χ^2/NDF : 4468561.6/50

yield_bpm0l02X_mean vs Slug



Right In: -0.147+/-0.000 χ^2/NDF : 28013809054.8/22

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.340+/-0.000 χ^2/NDF : 31254316711.9/27

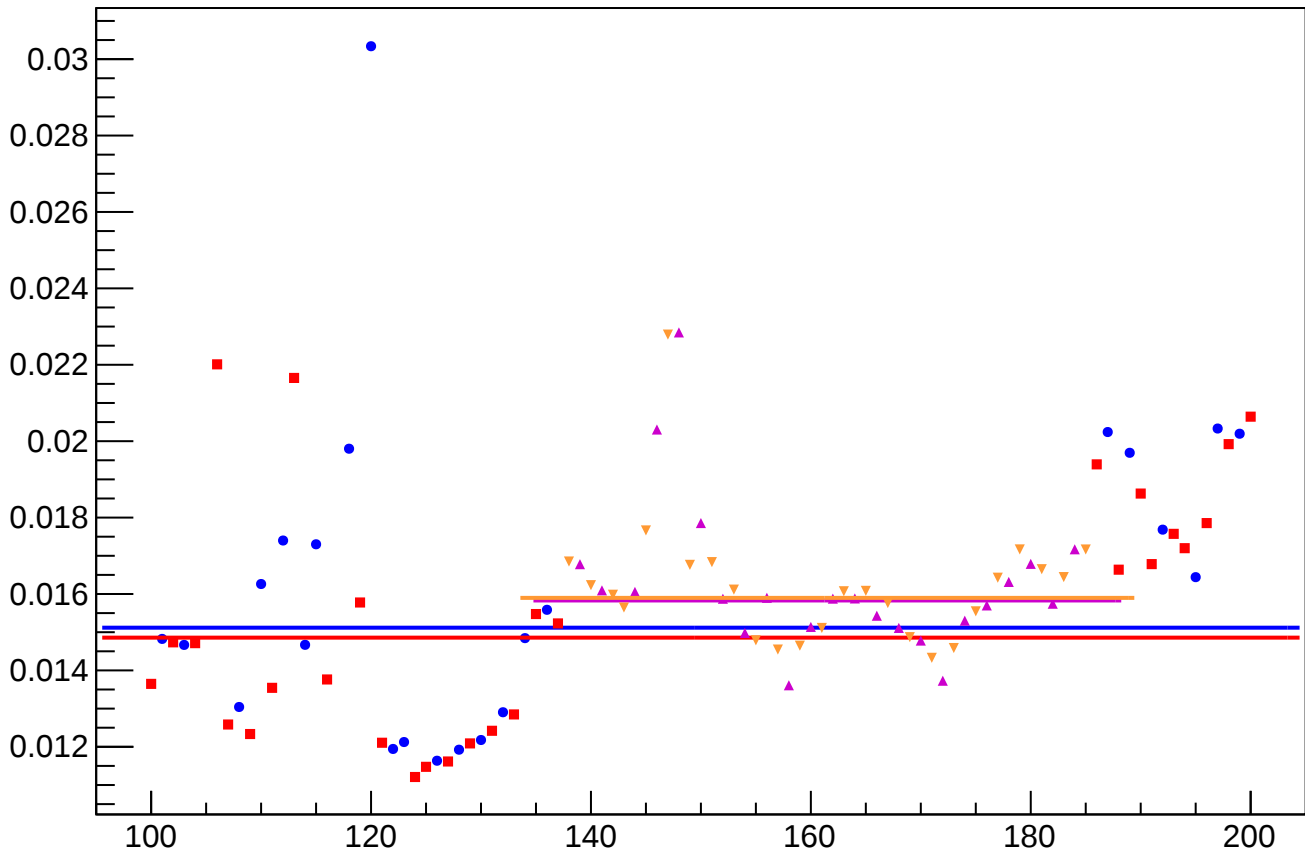
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.130+/-0.000 χ^2/NDF : 298729821288.2/47

All: -2.067+/-0.000 χ^2/NDF : 609887053918.9

- sign -2.009+/-0.000 χ^2/NDF : 310315339648.6/50

yield_bpm0l02X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 804848.2/22

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF : 901395.2/27

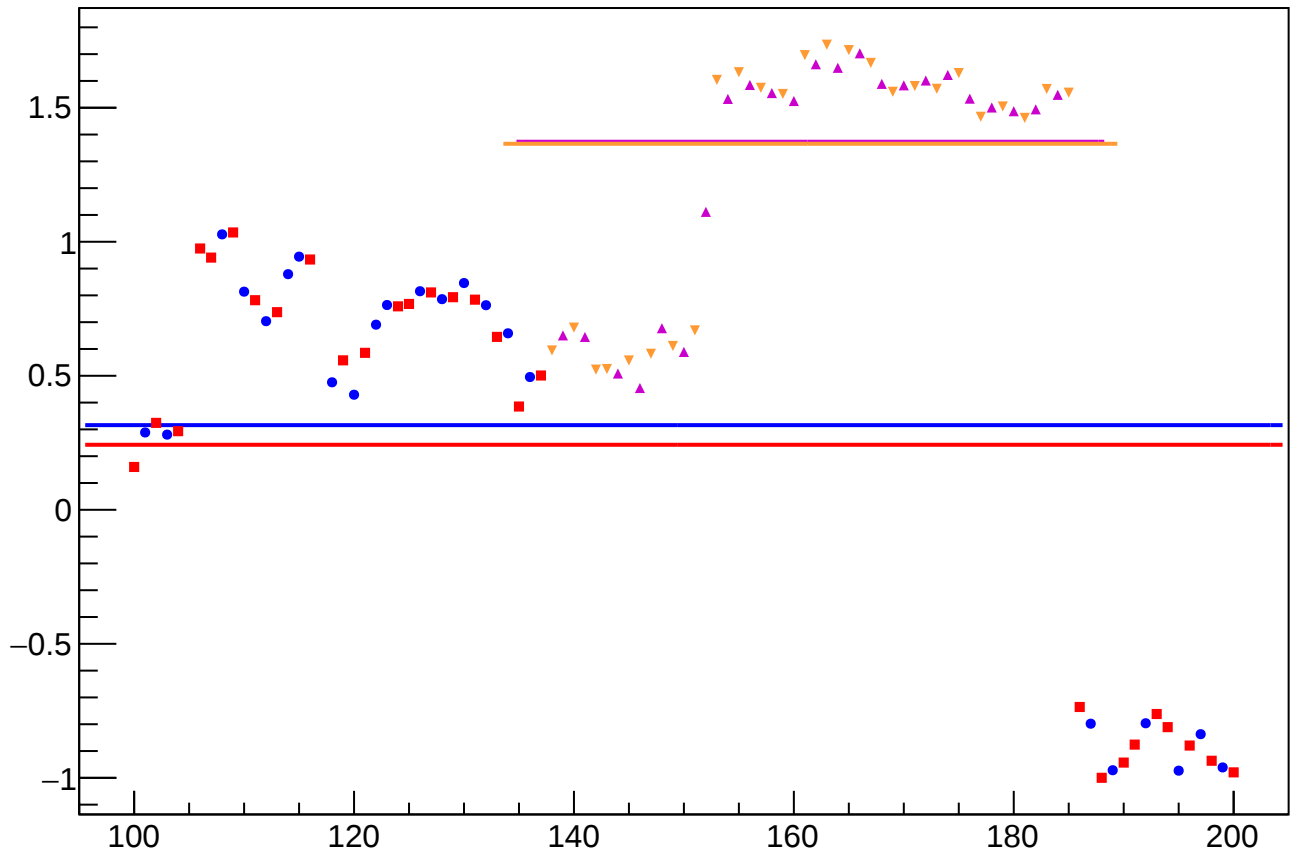
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1088548.1/47

All: 0.015+/-0.000 χ^2/NDF : 2390839.2/98

- sign 0.015+/-0.000 χ^2/NDF : 1297097.5/50

yield_bpm0l02Y_mean vs Slug



Right In: 0.316 $\pm$ 0.000 χ^2 /NDF: 48949527166.6/22

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.243 $\pm$ 0.000 χ^2 /NDF: 69810068592.1/27

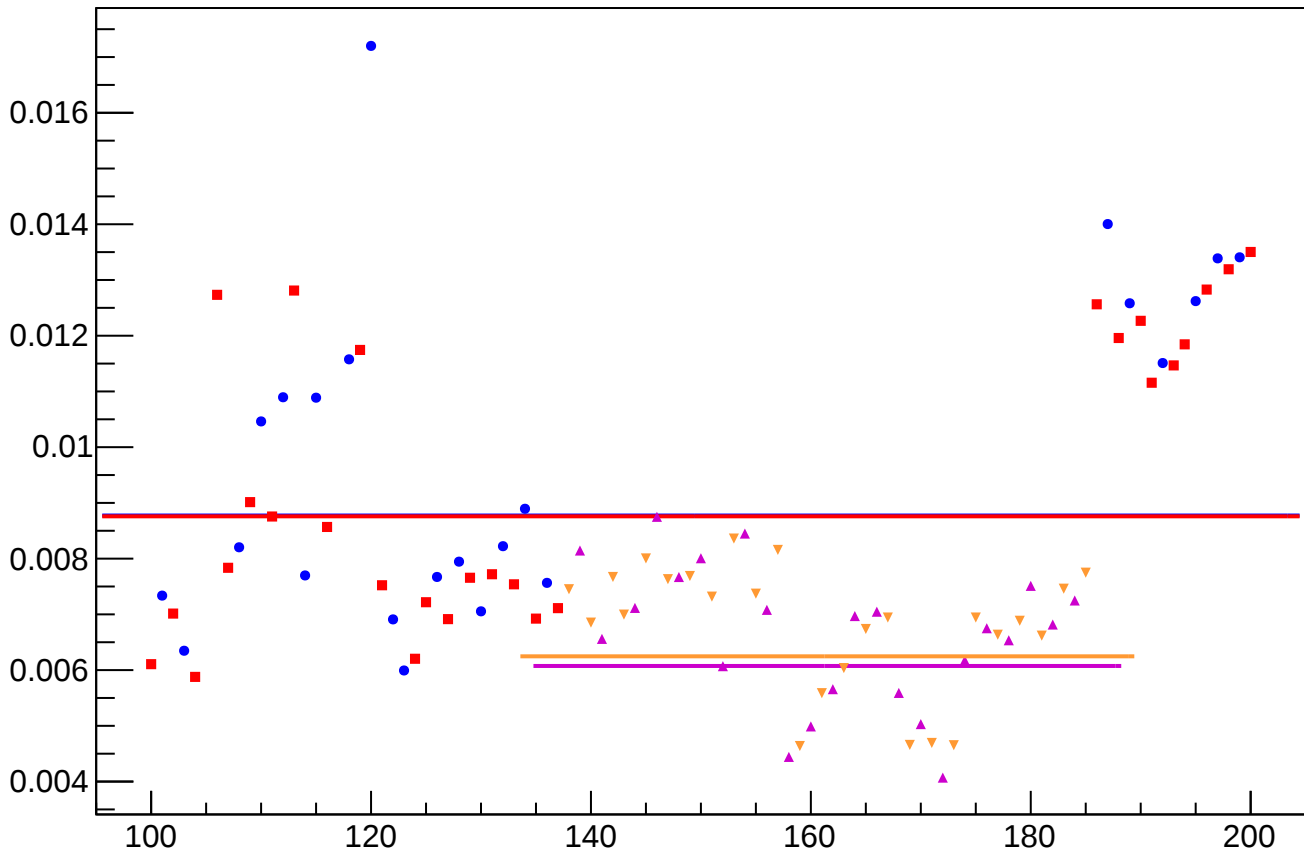
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.137 $\pm$ 0.000 χ^2 /NDF: 225975079005.8/47

All: 1.111 $\pm$ 0.000 χ^2 /NDF: 498754168085.7

- sign 1.086 $\pm$ 0.000 χ^2 /NDF: 272053588417.6/50

yield_bpm0l02Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1377584.3/22

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 1747994.6/27

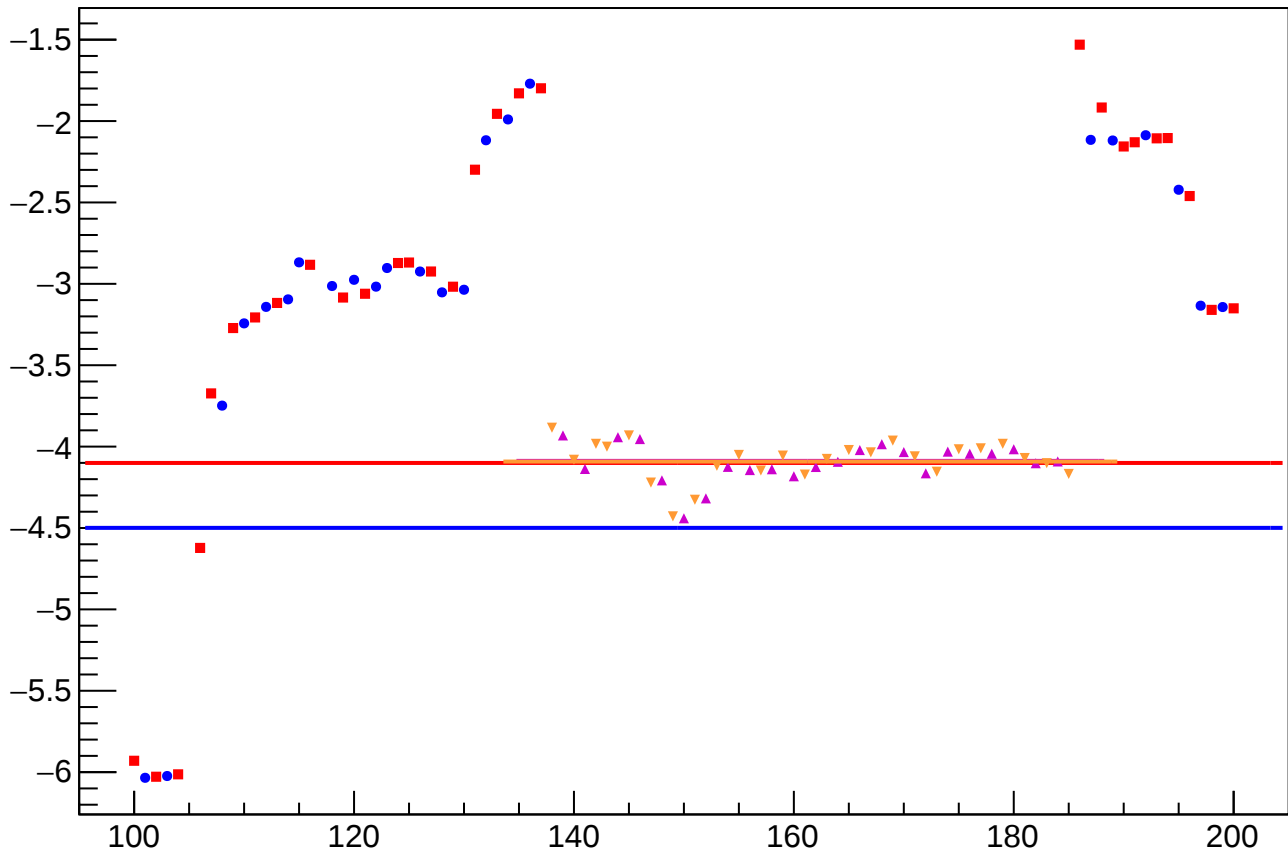
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3893383.0/47

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8640202.8/98

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4745874.7/50

yield_bpm0l03X_mean vs Slug



Right In: -4.499+/-0.000 χ^2/NDF : 243557041014.7/22

Left Out: -4.092+/-0.000 χ^2/NDF : 39806766.7/24

Right Out: -4.100+/-0.000 χ^2/NDF : 267973695187.9/27

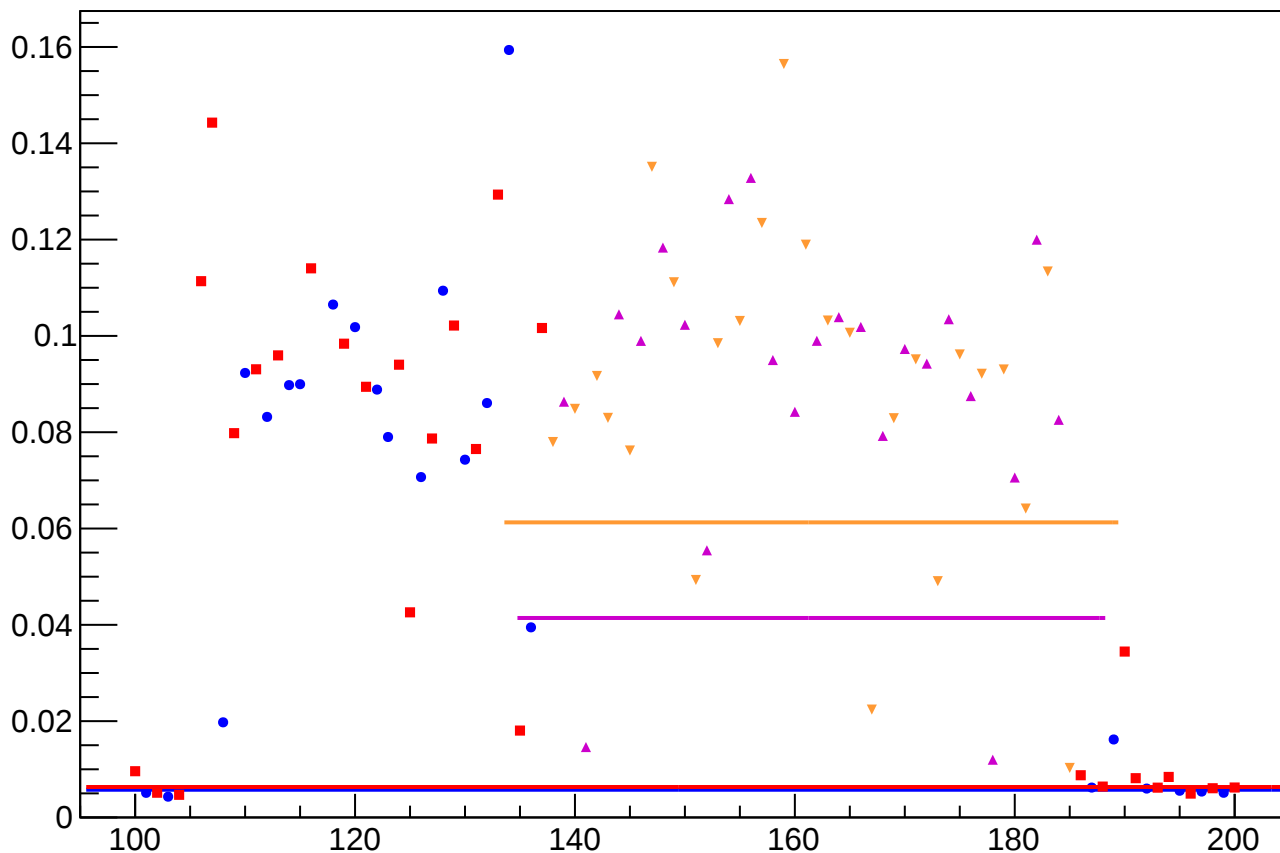
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -4.486+/-0.000 χ^2/NDF : 244070600546.5/47

All: -4.300+/-0.000 χ^2/NDF : 518438604450.5

- sign -4.100+/-0.000 χ^2/NDF : 268008760925.7/50

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8007108.1/22

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8745738.0/27

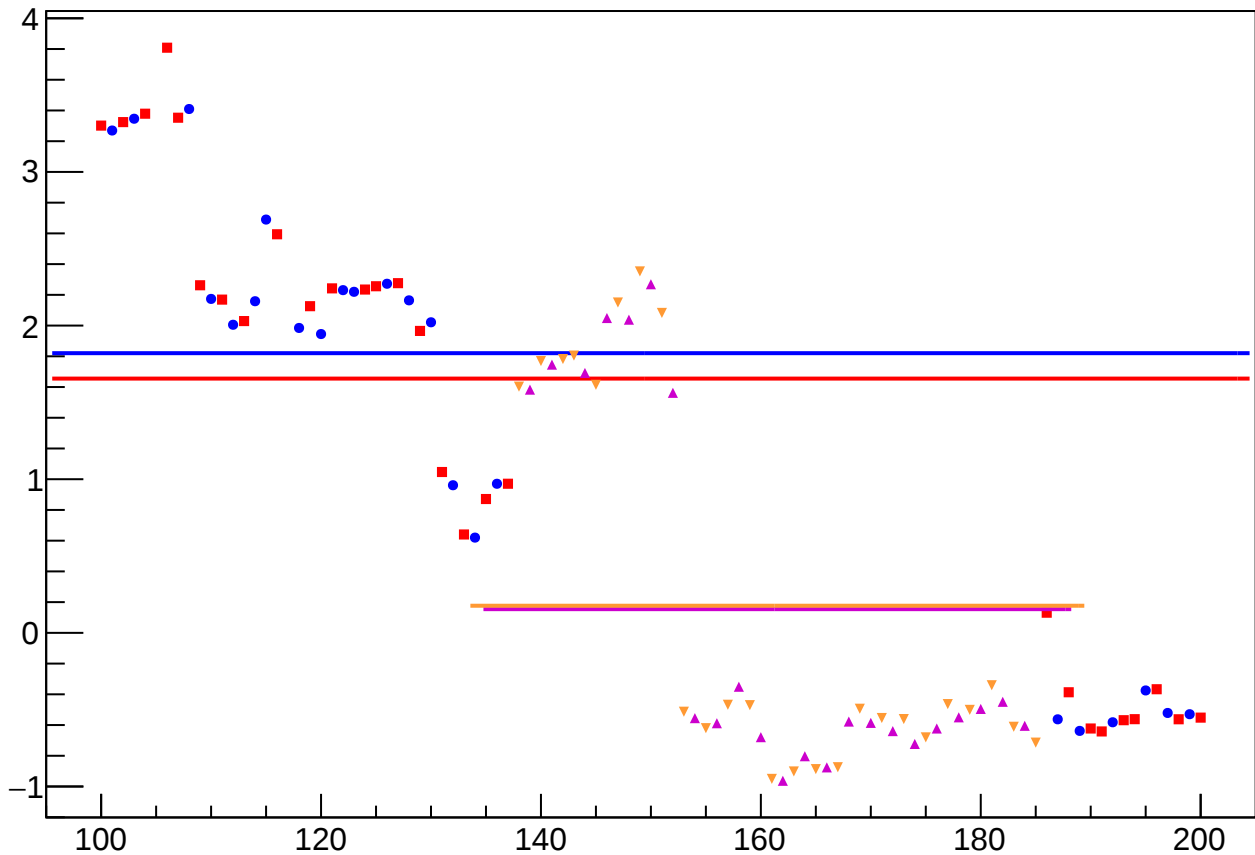
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33959454.2/47

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 65819760.1/98

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 31836332.6/50

yield_bpm0l03Y_mean vs Slug



Right In: 1.820 $\pm$ 0.000 χ^2 /NDF: 159005763929.2/22

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF: 3275313367.7/24

Right Out: 1.655 $\pm$ 0.000 χ^2 /NDF: 165796887771.1/27

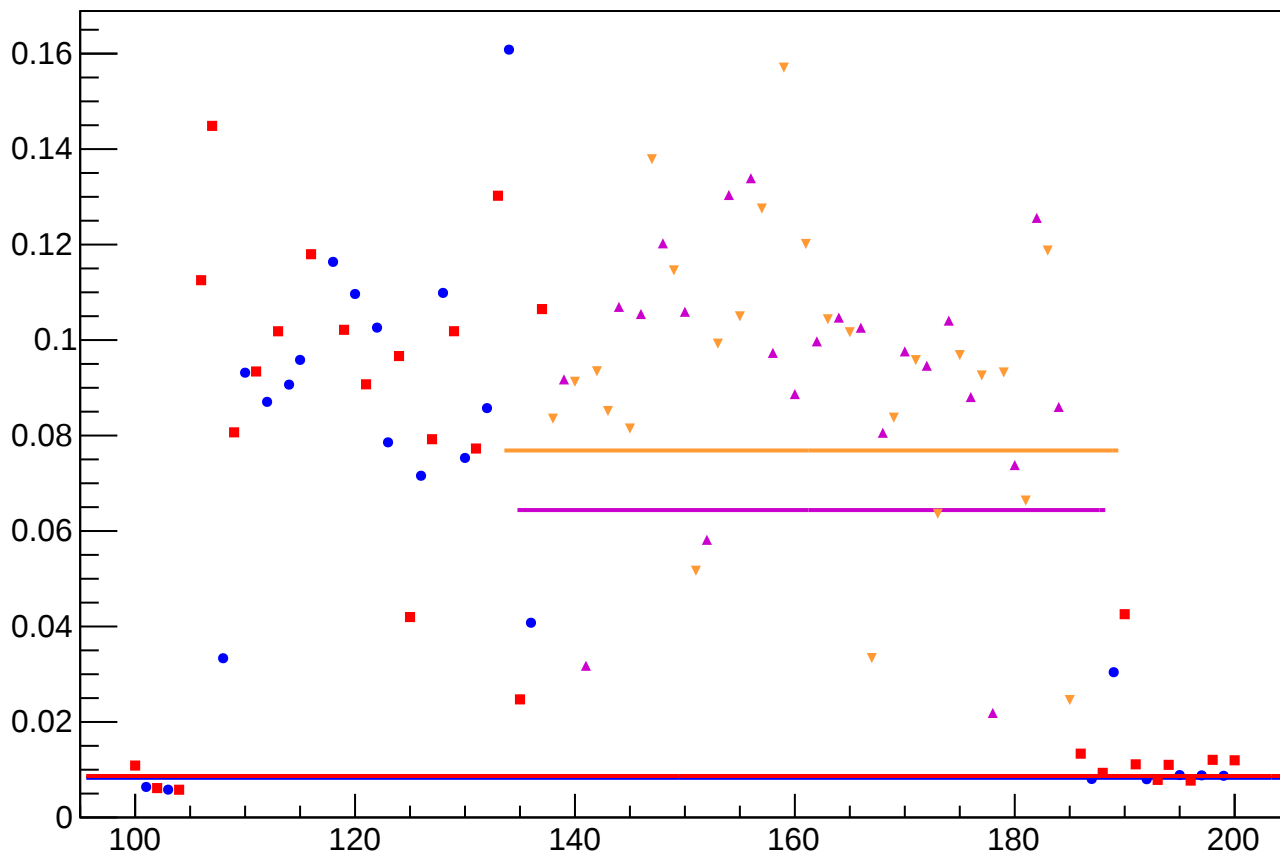
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF: 3163553595.0/22

+ sign 1.744 $\pm$ 0.000 χ^2 /NDF: 168122492722.1/47

All: 1.660 $\pm$ 0.000 χ^2 /NDF: 343276653218.8

- sign 1.577 $\pm$ 0.000 χ^2 /NDF: 174466875399.1/50

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7899540.0/22

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 8658675.3/27

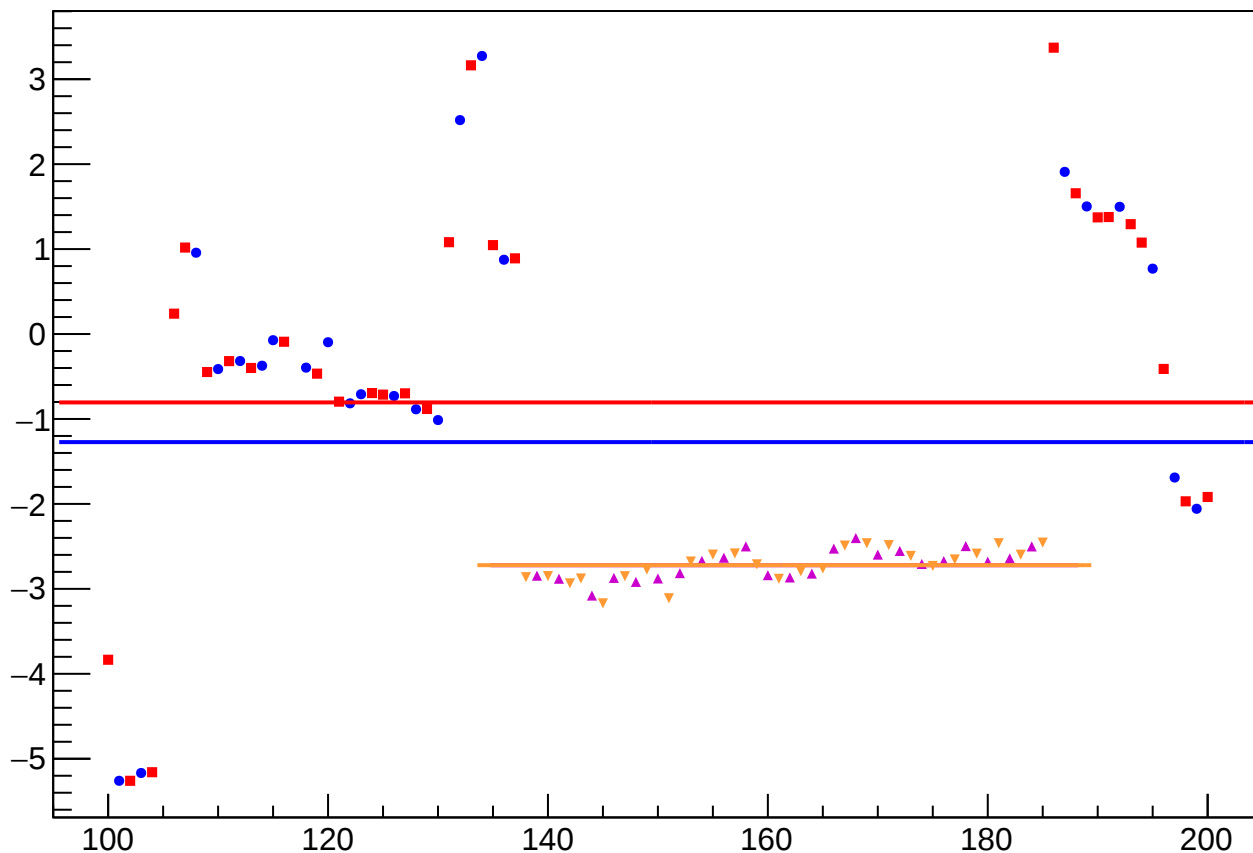
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 32440510.2/47

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 63265345.3/98

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 30824474.2/50

yield_bpm0l04X_mean vs Slug



Right In: -1.272+/-0.000 χ^2 /NDF: 202662913750.6/22

Left Out: -2.721+/-0.000 χ^2 /NDF:10397156971.6/24

Right Out: -0.805+/-0.000 χ^2 /NDF: 230654453375.3/27

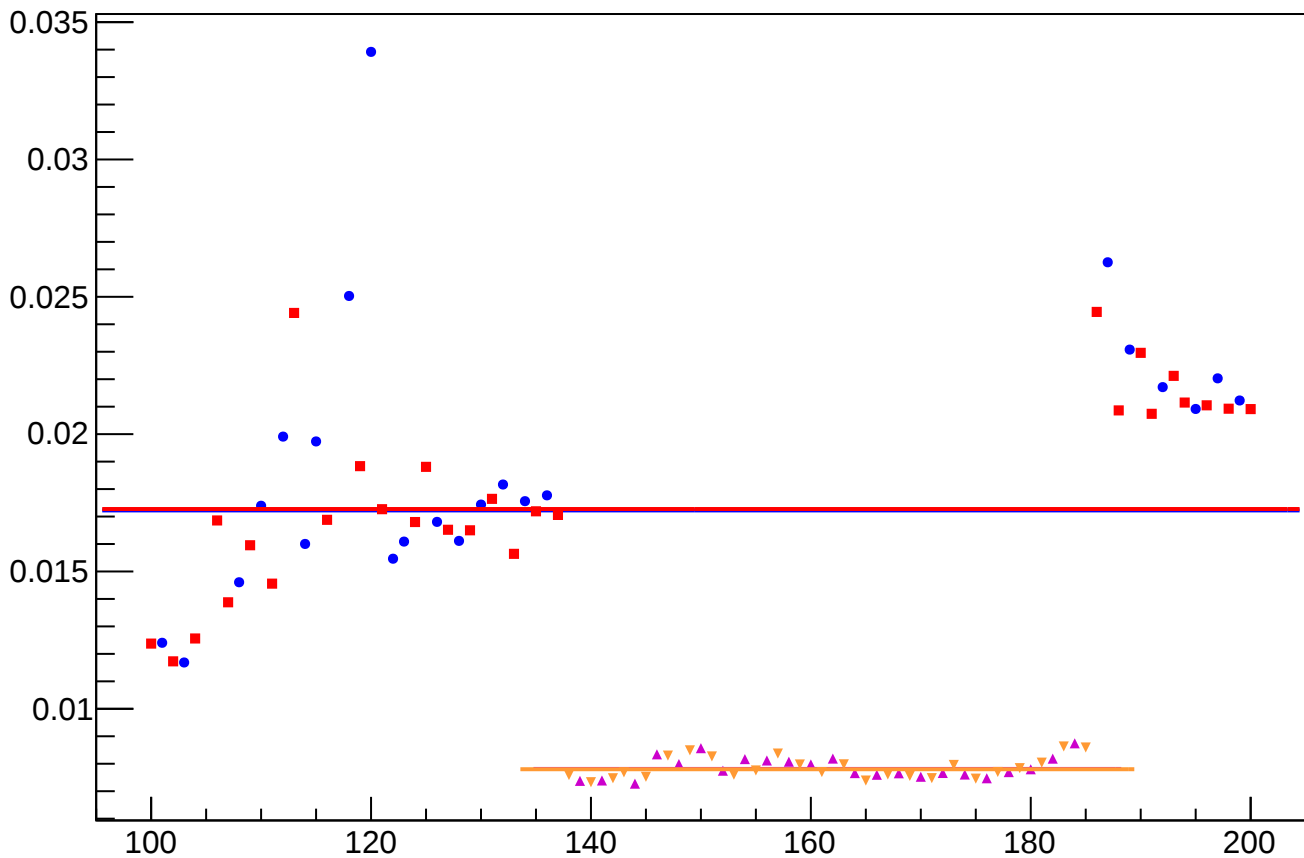
Left In: -2.722+/-0.000 χ^2 /NDF:8146484592.1/22

+ sign -2.582+/-0.000 χ^2 /NDF: 271898660487.2/47

All: -2.533+/-0.000 χ^2 /NDF: 637312218735.1

- sign -2.484+/-0.000 χ^2 /NDF: 363885851217.1/50

yield_bpm0l04X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 1037185.0/22

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 986011.4/27

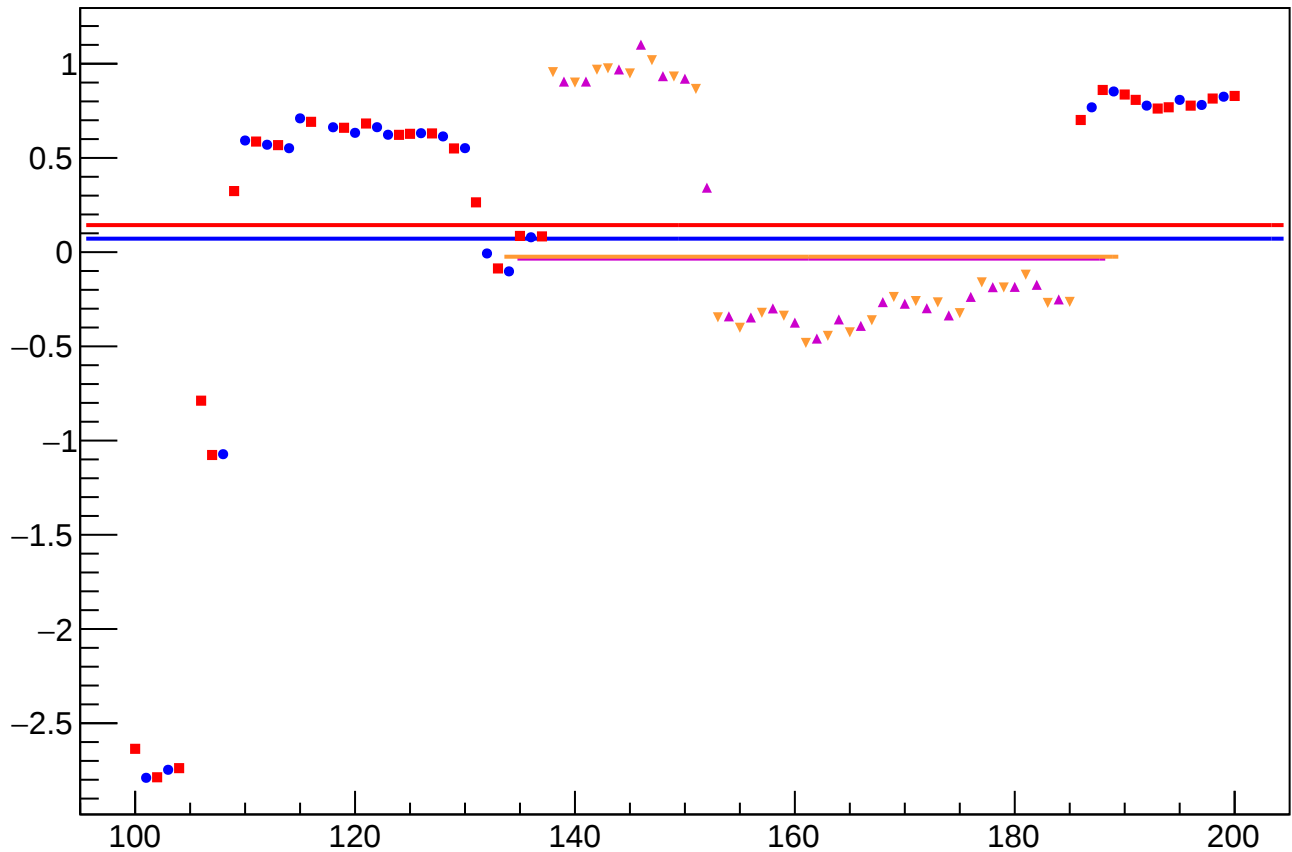
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 6085745.6/47

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 13262512.1/98

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 7151951.1/50

yield_bpm0l04Y_mean vs Slug



Right In: 0.072 $\pm$ 0.000 χ^2 /NDF: 816844013997.9/22

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF:135451649275.0/24

Right Out: 0.144 $\pm$ 0.000 χ^2 /NDF: 901016363603.3/27

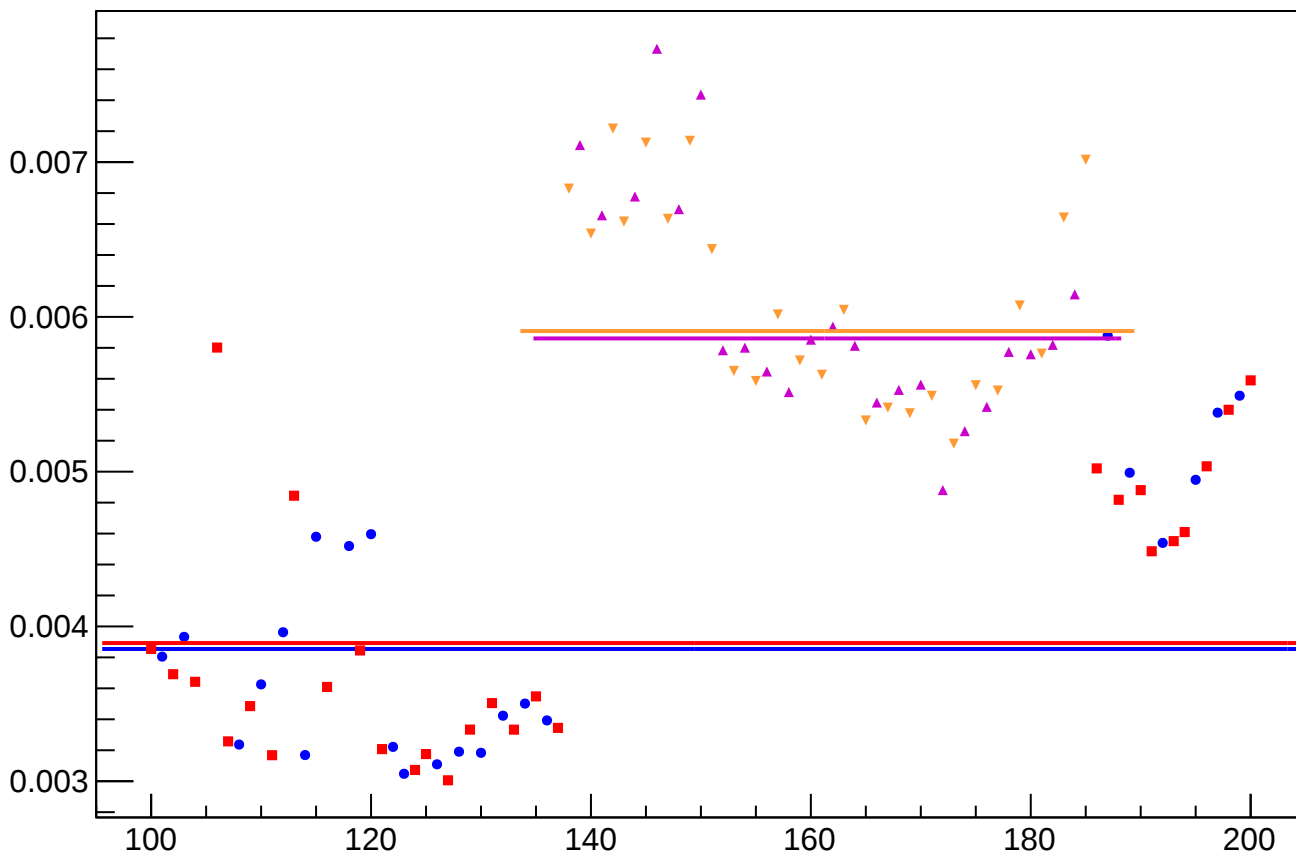
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF:113929060918.1/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 954849112785.9/47

All: 0.055 $\pm$ 0.000 χ^2 /NDF: 1980348504296.

- sign 0.078 $\pm$ 0.000 χ^2 /NDF: 1024210238950.8/50

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 752607.3/22

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 976513.5/27

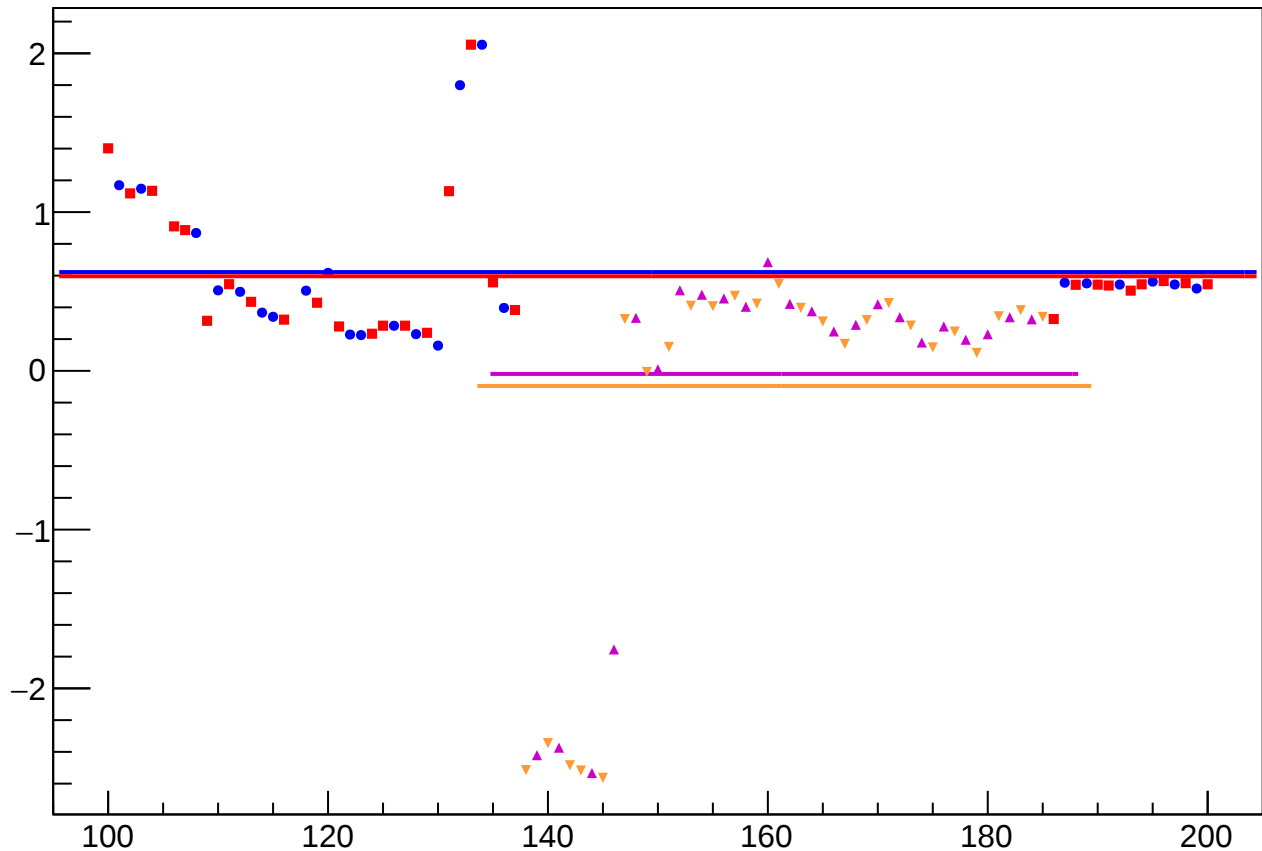
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3419199.7/47

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 7040888.4/98

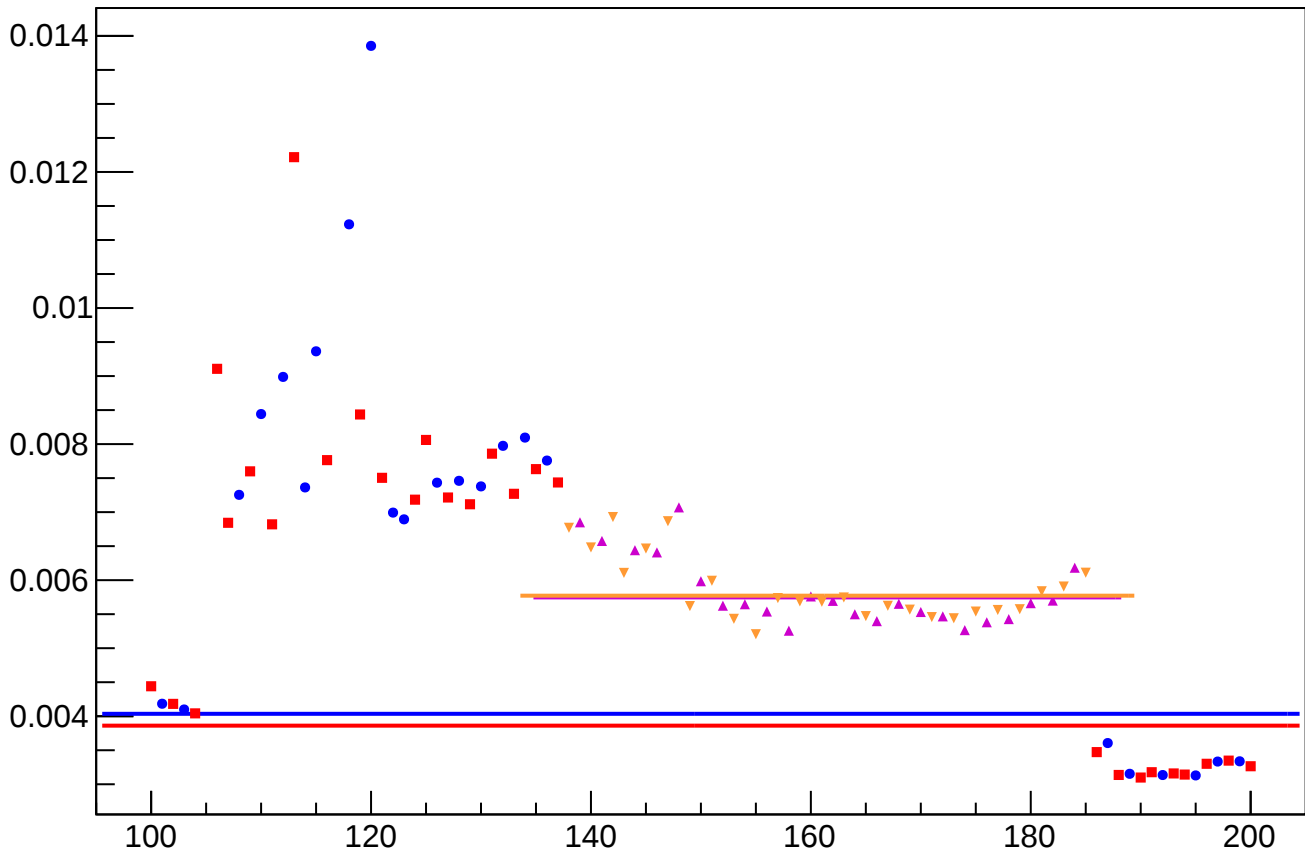
- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3609790.5/50

yield_bpm0l05X_mean vs Slug



Right In: 0.622+/-0.000 χ^2/NDF : 39945445203.5/22
 Left Out: -0.095+/-0.000 χ^2/NDF : 505606573631.9/24
 Right Out: 0.596+/-0.000 χ^2/NDF : 45608287985.4/27
 Left In: -0.019+/-0.000 χ^2/NDF : 417104863944.5/22
 All: 0.305+/-0.000 χ^2/NDF : 1253049415213.0
 + sign 0.261+/-0.000 χ^2/NDF : 676932639224.7/47
 - sign 0.342+/-0.000 χ^2/NDF : 572439595916.9/50

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2987299.8/22

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3109881.8/27

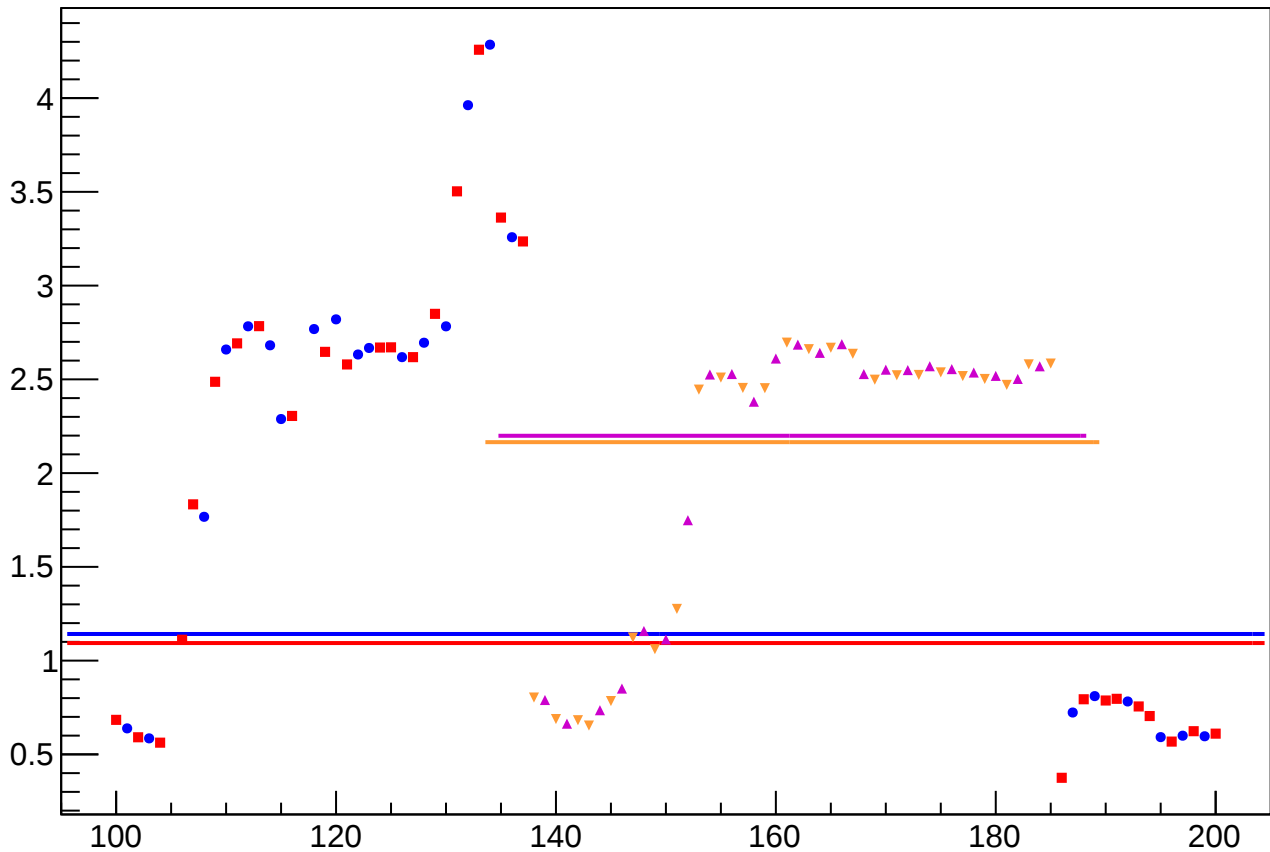
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4705275.4/47

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 10162554.4/98

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5375195.2/50

yield_bpm0l05Y_mean vs Slug



Right In: 1.142 $\pm$ 0.000 χ^2 /NDF: 267511264314.5/22

Left Out: 2.165 $\pm$ 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 1.094 $\pm$ 0.000 χ^2 /NDF: 324303072217.4/27

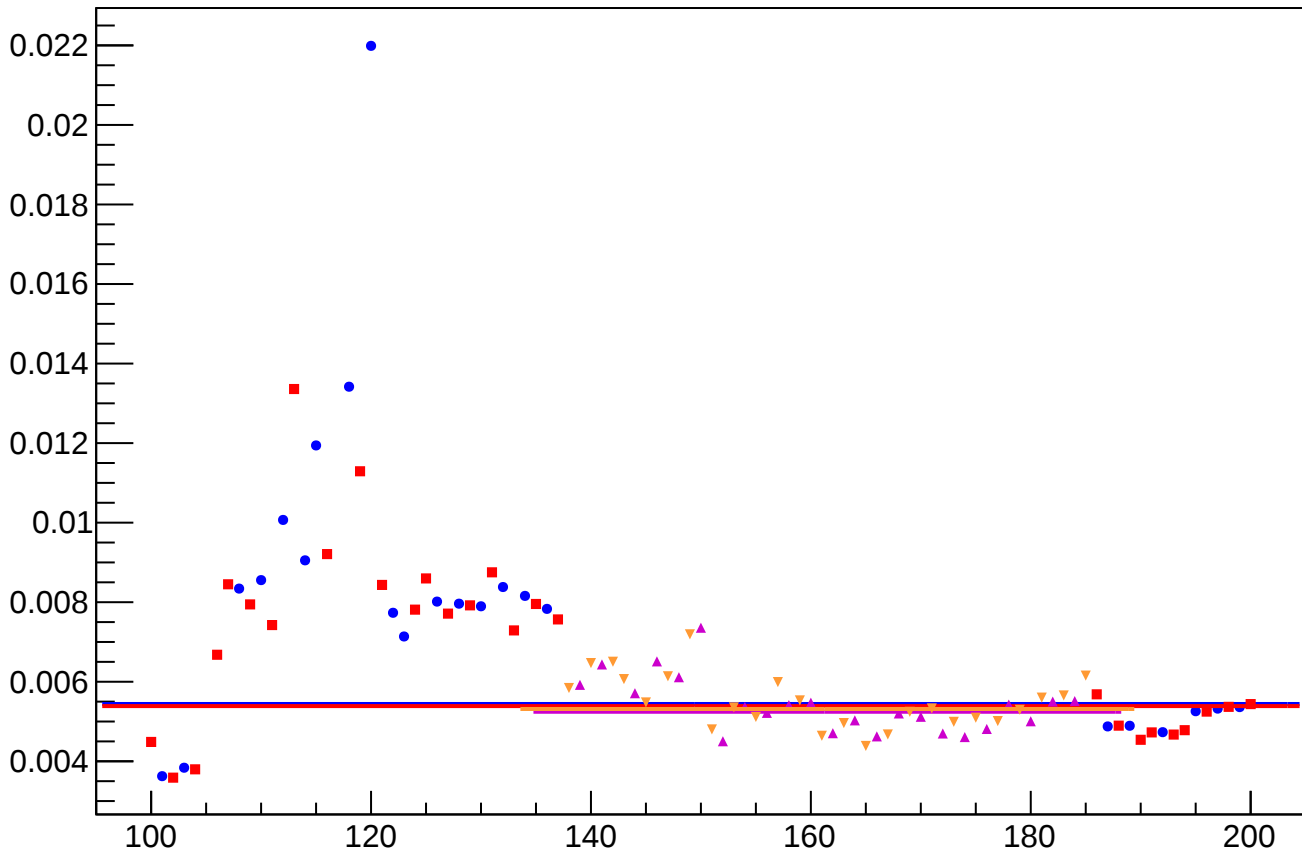
Left In: 2.199 $\pm$ 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 1.828 $\pm$ 0.000 χ^2 /NDF: 763055571641.3/47

All: 1.793 $\pm$ 0.000 χ^2 /NDF: 1619733620803.0

- sign 1.761 $\pm$ 0.000 χ^2 /NDF: 854656947597.2/50

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2004704.0/22

Left Out: 0.005+/-0.000 χ^2/NDF : 398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1876095.3/27

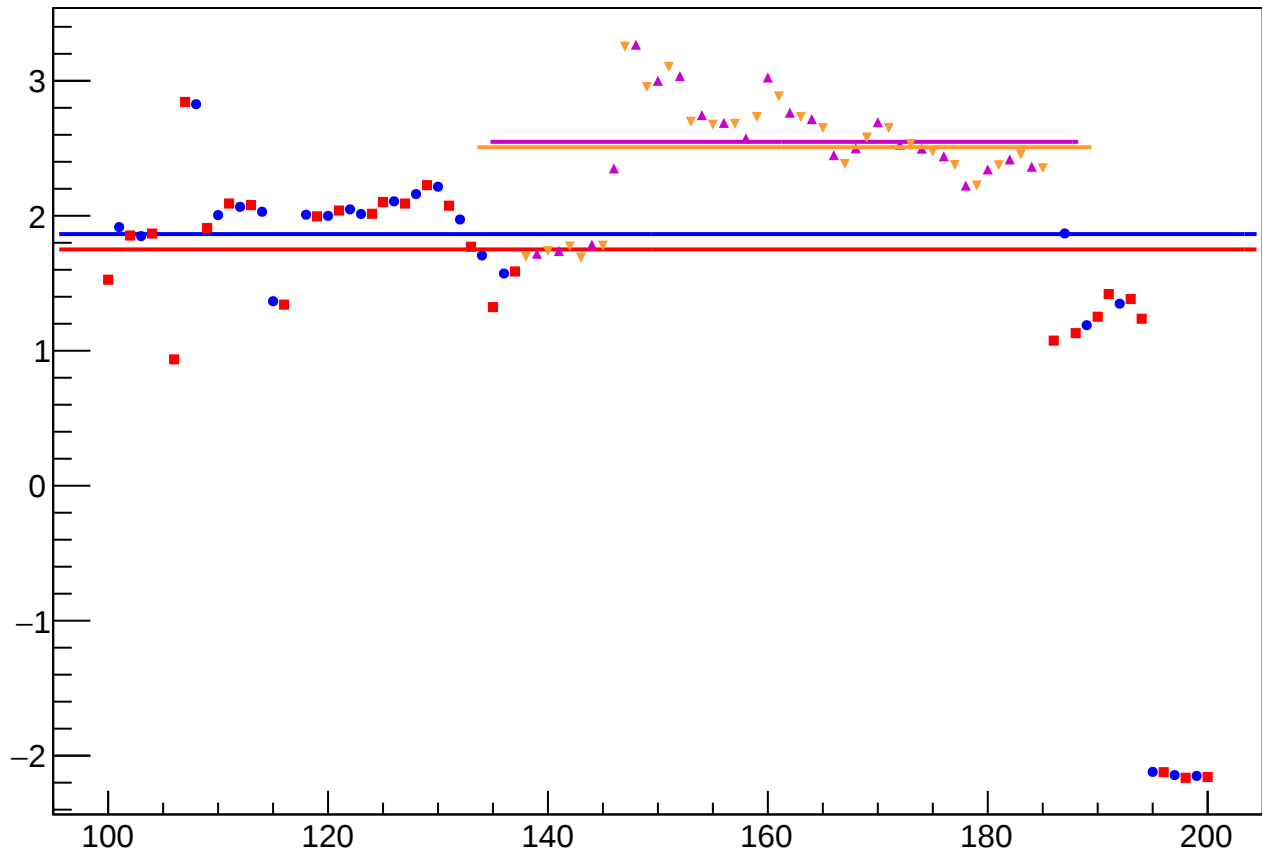
Left In: 0.005+/-0.000 χ^2/NDF : 425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2409625.3/47

All: 0.005+/-0.000 χ^2/NDF : 4723504.0/98

- sign 0.005+/-0.000 χ^2/NDF : 2311146.9/50

yield_bpm0l06X_mean vs Slug



Right In: 1.864 $\pm$ 0.000 χ^2 /NDF: 70031125849.9/22

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.751 $\pm$ 0.000 χ^2 /NDF: 83401556308.9/27

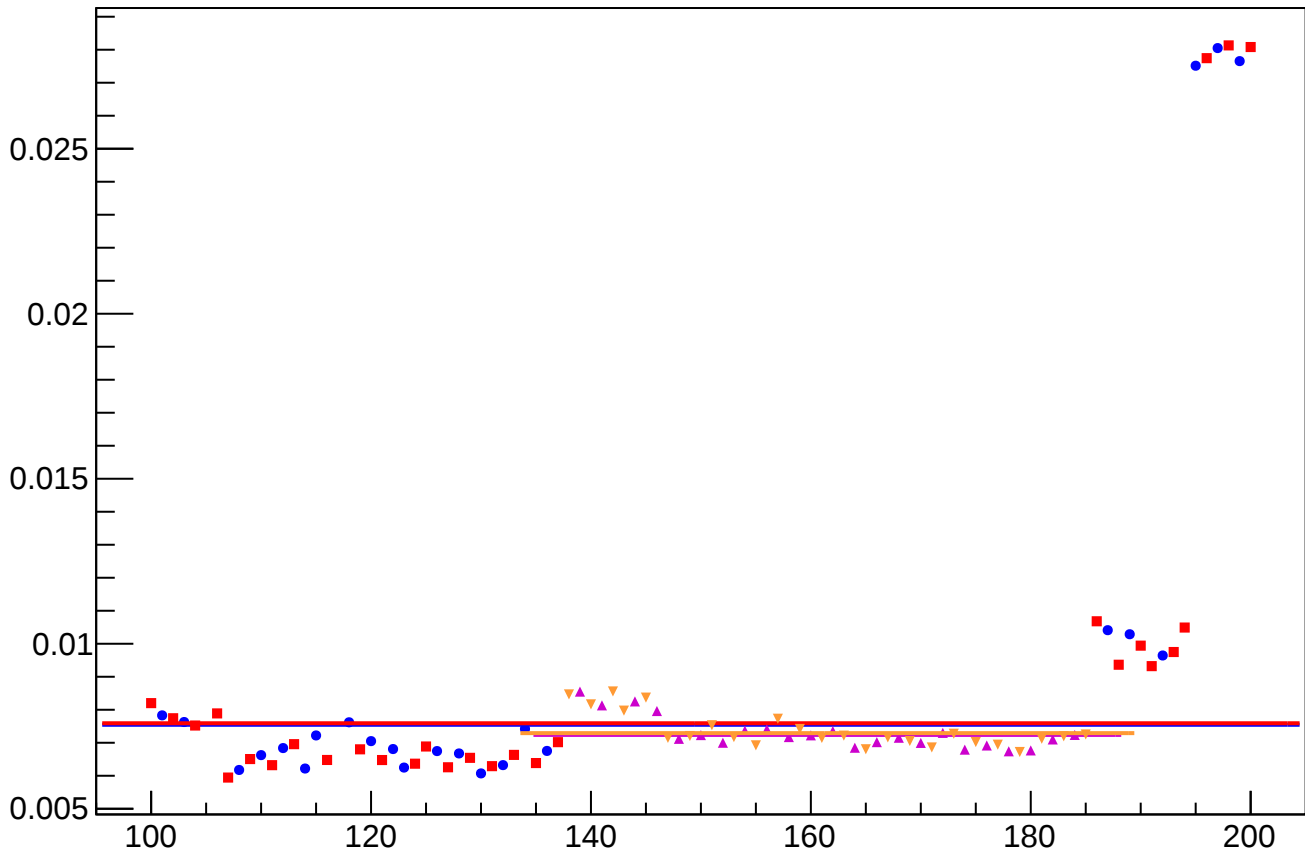
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.302 $\pm$ 0.000 χ^2 /NDF: 165923427128.7/47

All: 2.276 $\pm$ 0.000 χ^2 /NDF: 370376464972.7

- sign 2.251 $\pm$ 0.000 χ^2 /NDF: 203805494214.0/50

yield_bpm0l06X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2944536.4/22

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3273451.8/27

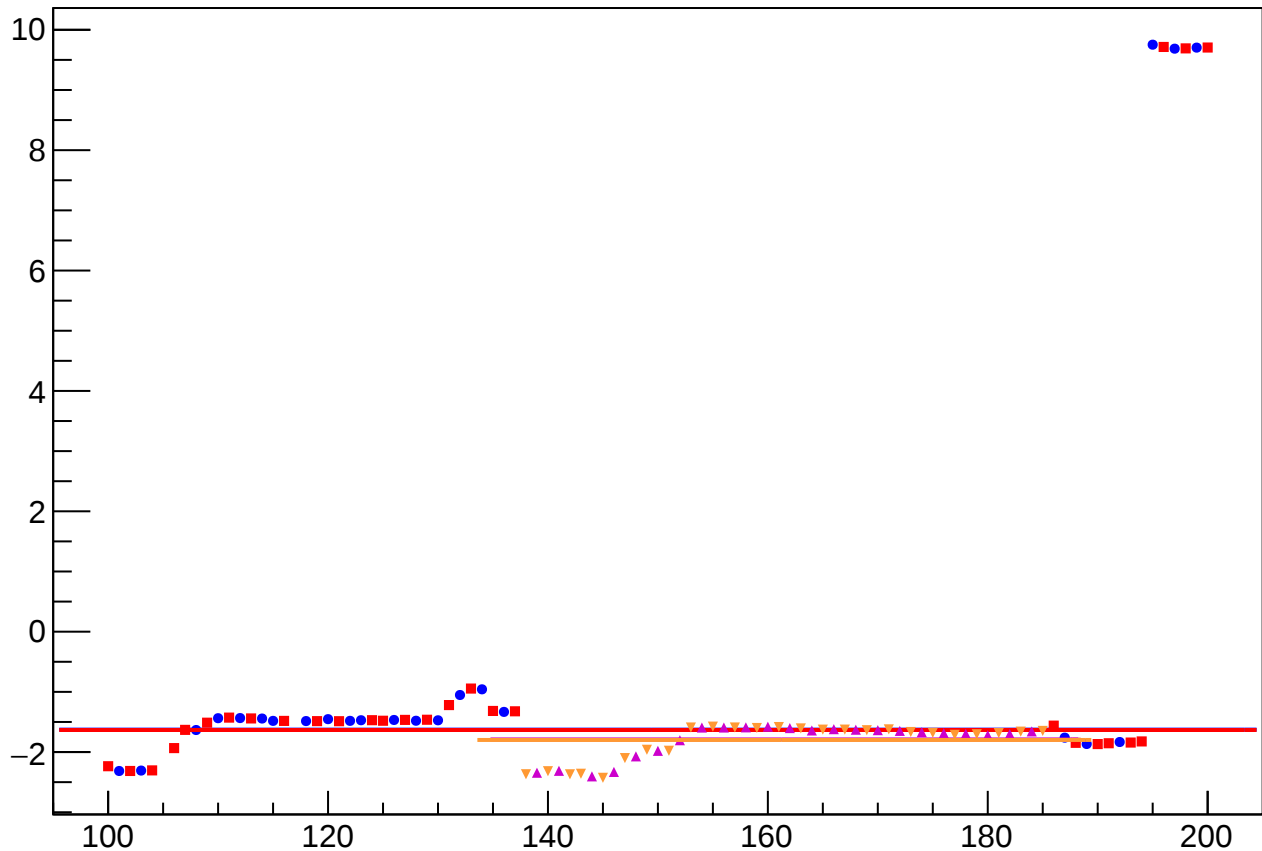
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3098807.7/47

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 6526917.0/98

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3428104.9/50

yield_bpm0l06Y_mean vs Slug



Right In: -1.628 ± 0.000 χ^2/NDF : 229941294122.3/22

Left Out: -1.799 ± 0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.633 ± 0.000 χ^2/NDF : 241636526340.0/27

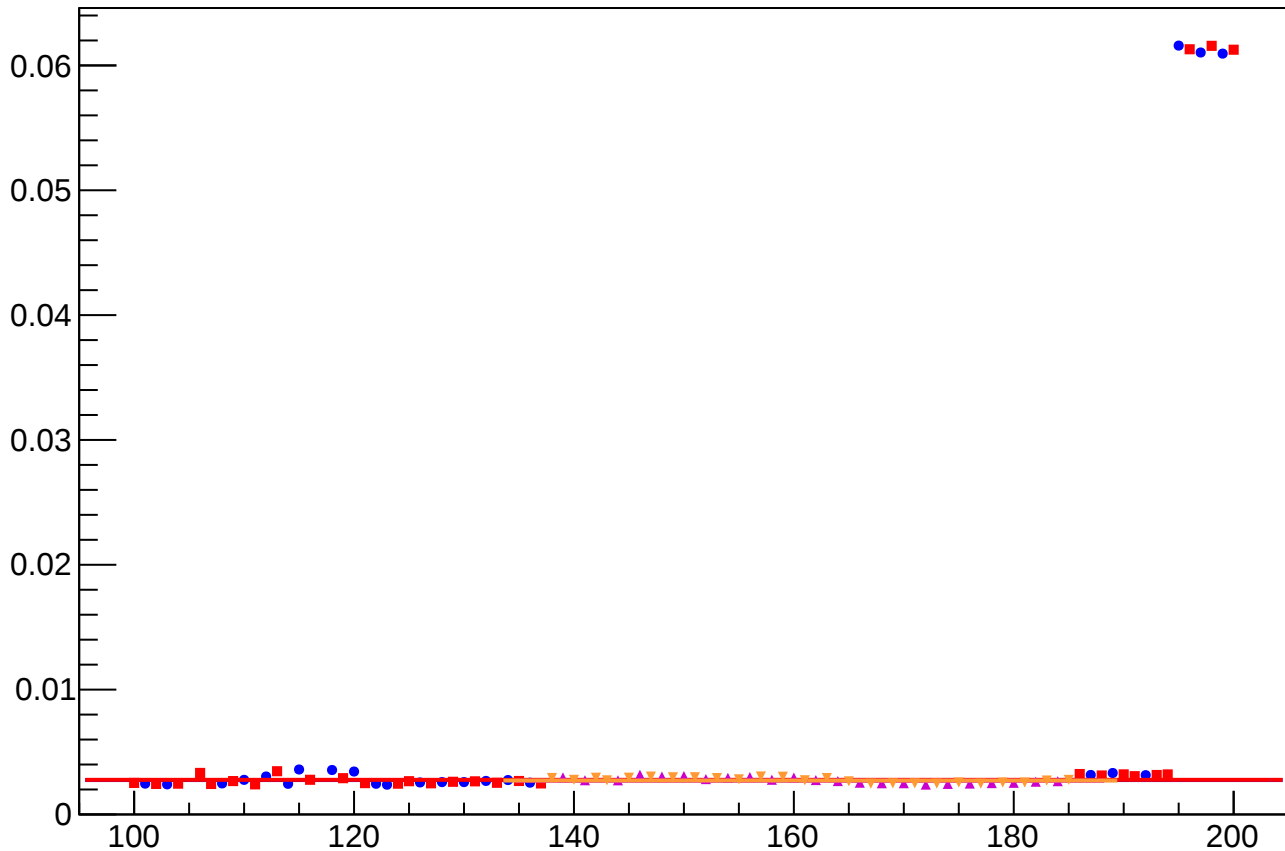
Left In: -1.790 ± 0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.747 ± 0.000 χ^2/NDF : 436511533133.7/47

All: -1.740 ± 0.000 χ^2/NDF : 858327855902.0

- sign -1.733 ± 0.000 χ^2/NDF : 421513898963.0/50

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4628491.9/22

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4686057.6/27

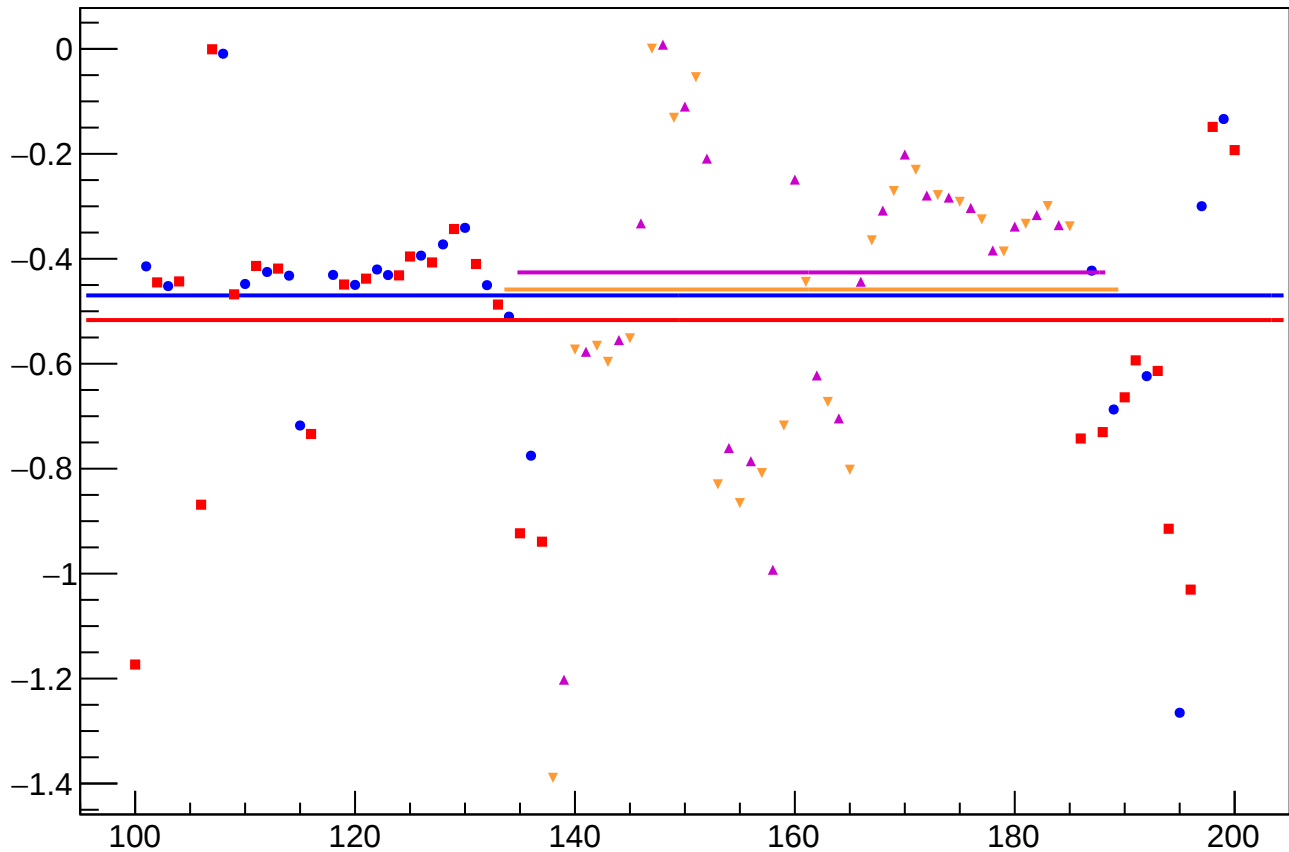
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 4830253.0/47

All: 0.003+/-0.000 χ^2/NDF : 9745322.1/98

- sign 0.003+/-0.000 χ^2/NDF : 4915046.1/50

yield_bpm0l07X_mean vs Slug



Right In: -0.470 ± 0.000 χ^2/NDF : 3810168078.9/22

Left Out: -0.459 ± 0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.517 ± 0.000 χ^2/NDF : 4873512087.6/27

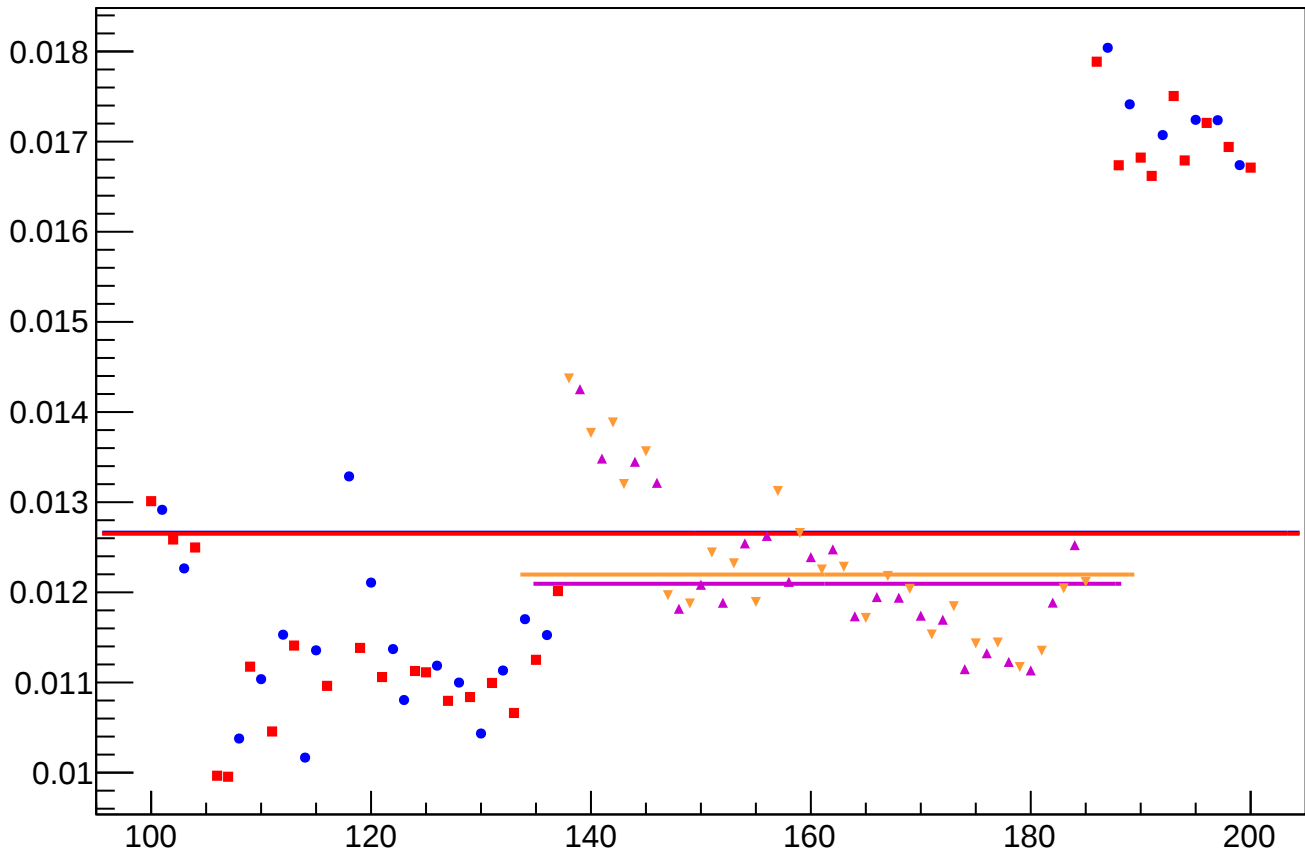
Left In: -0.426 ± 0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.462 ± 0.000 χ^2/NDF : 13731835708.6/47

All: -0.462 ± 0.000 χ^2/NDF : 27405366964.4/100

- sign -0.462 ± 0.000 χ^2/NDF : 13673531031.7/50

yield_bpm0l07X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 736411.7/22

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:141850.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1084160.0/27

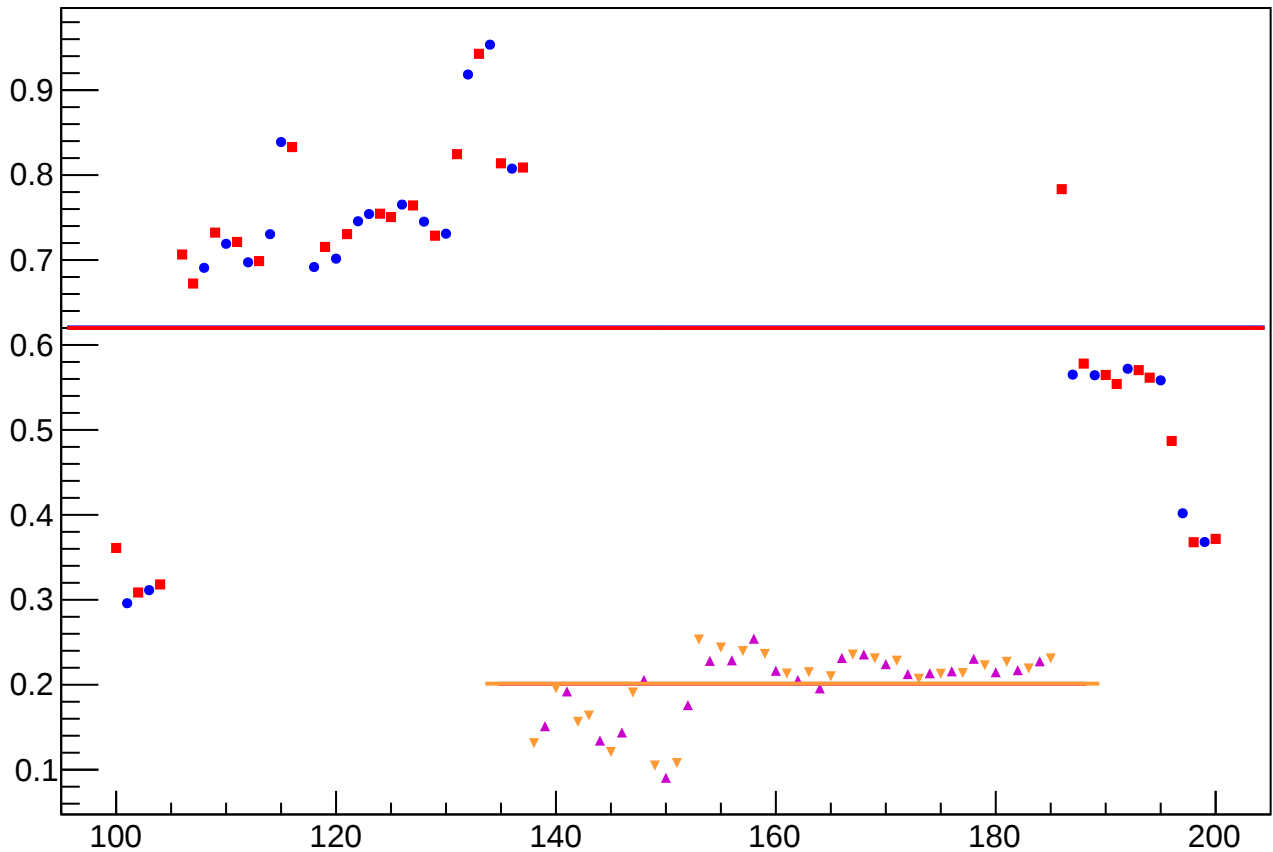
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:127308.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 895878.7/47

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2135711.2/98

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1239540.9/50

yield_bpm0l07Y_mean vs Slug



Right In: 0.621 $\pm$ 0.000 χ^2 /NDF: 52713648119.2/22

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.620 $\pm$ 0.000 χ^2 /NDF: 55474867474.4/27

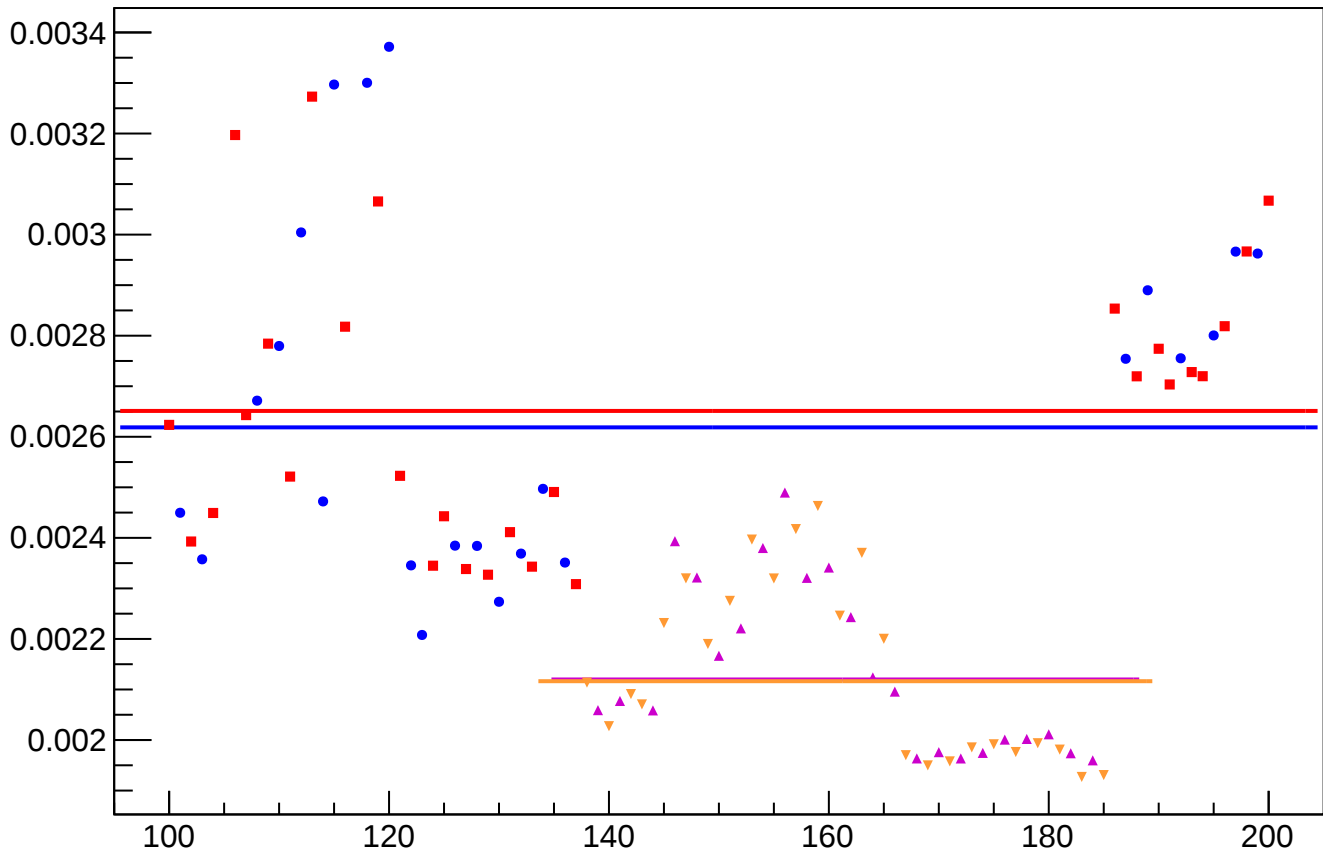
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.314 $\pm$ 0.000 χ^2 /NDF: 250402654502.5/47

All: 0.324 $\pm$ 0.000 χ^2 /NDF: 524254692822.6

- sign 0.334 $\pm$ 0.000 χ^2 /NDF: 272743523827.8/50

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 261943.7/22

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 222380.0/27

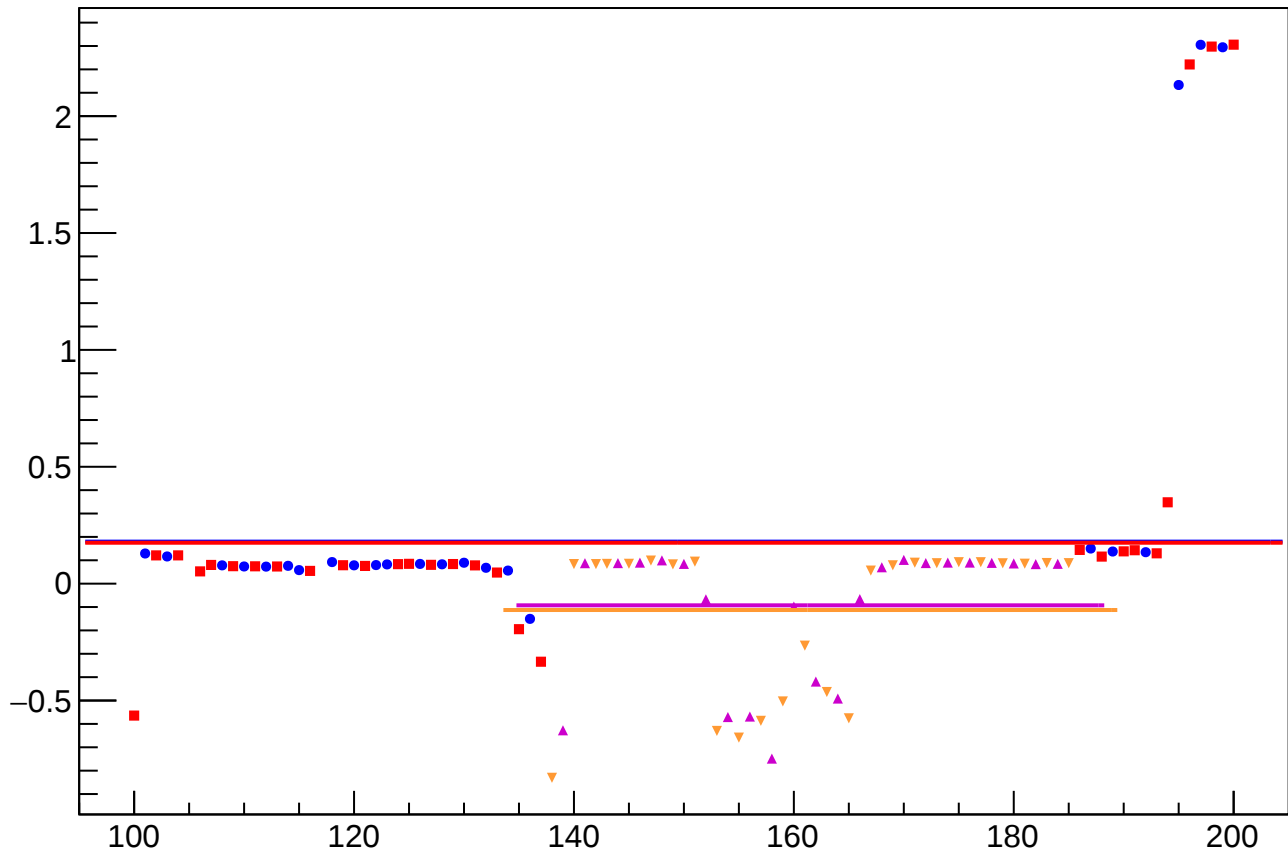
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 1033195.6/47

All: 0.002+/-0.000 χ^2/NDF : 2132919.0/98

- sign 0.002+/-0.000 χ^2/NDF : 1092126.9/50

yield_bpm0l08X_mean vs Slug



Right In: 0.180+/-0.000 χ^2/NDF : 19427450641.9/22

Left Out: -0.113+/-0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.175+/-0.000 χ^2/NDF : 23002863393.4/27

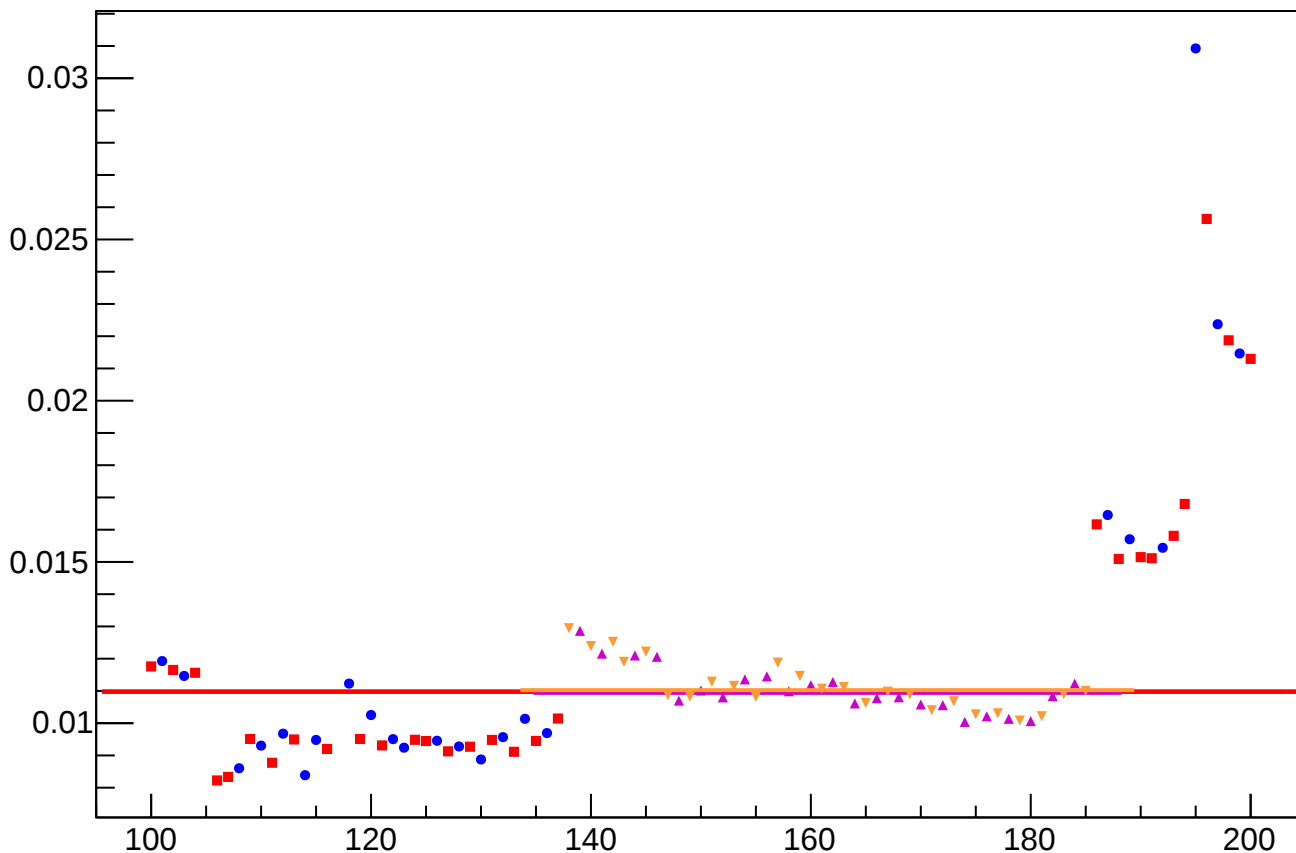
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign -0.011+/-0.000 χ^2/NDF : 37415938960.8/47

All: 0.003+/-0.000 χ^2/NDF : 75604903312.8/9

- sign 0.016+/-0.000 χ^2/NDF : 38105011168.2/50

yield_bpm0l08X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2046538.0/22

Left Out: 0.011+/-0.000 χ^2/NDF :141501.7/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2380563.1/27

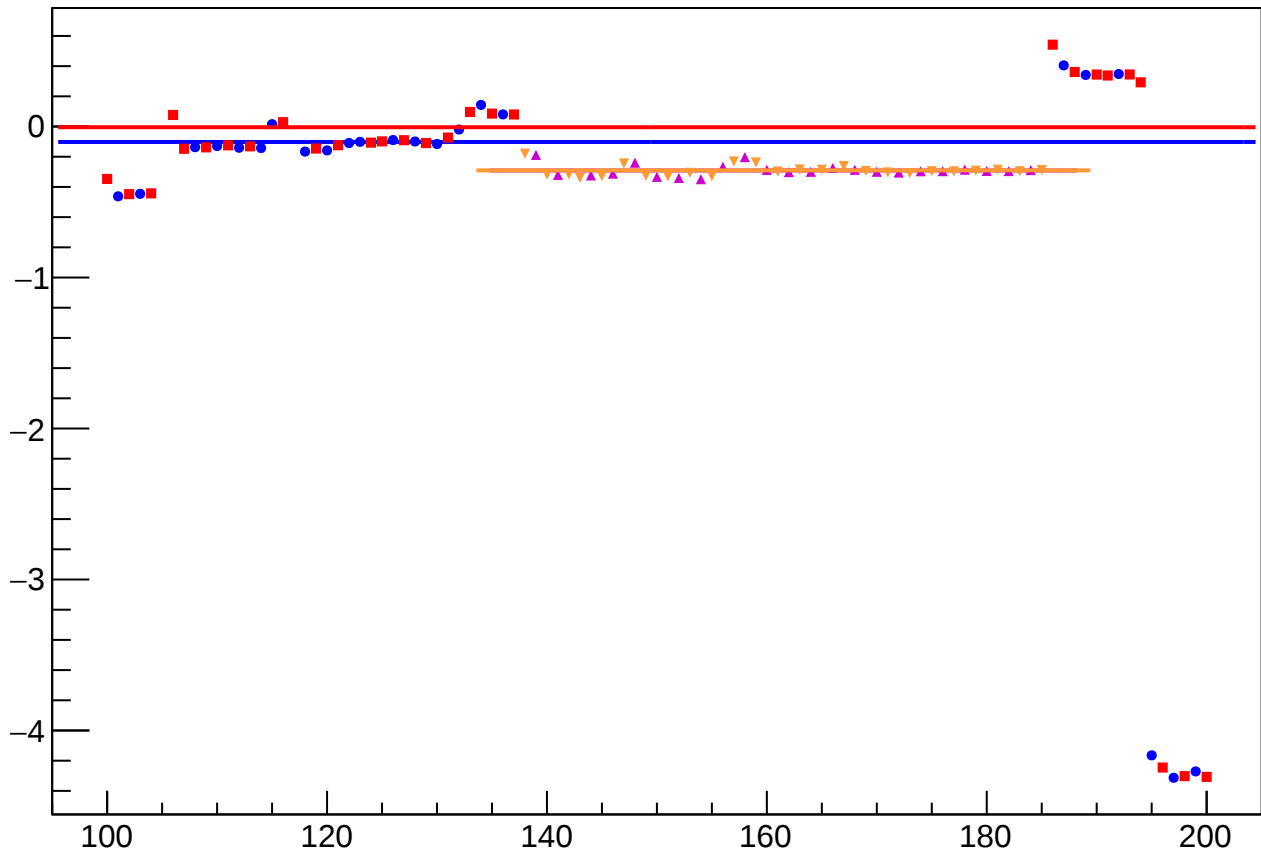
Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 2188209.4/47

All: 0.011+/-0.000 χ^2/NDF : 4698525.1/98

- sign 0.011+/-0.000 χ^2/NDF : 2509578.5/50

yield_bpm0l08Y_mean vs Slug



Right In: -0.102 ± 0.000 χ^2/NDF : 138011719671.2/22

Left Out: -0.290 ± 0.000 χ^2/NDF : 2877519093.0/24

+ sign -0.262 ± 0.000 χ^2/NDF : 153428210069.3/47

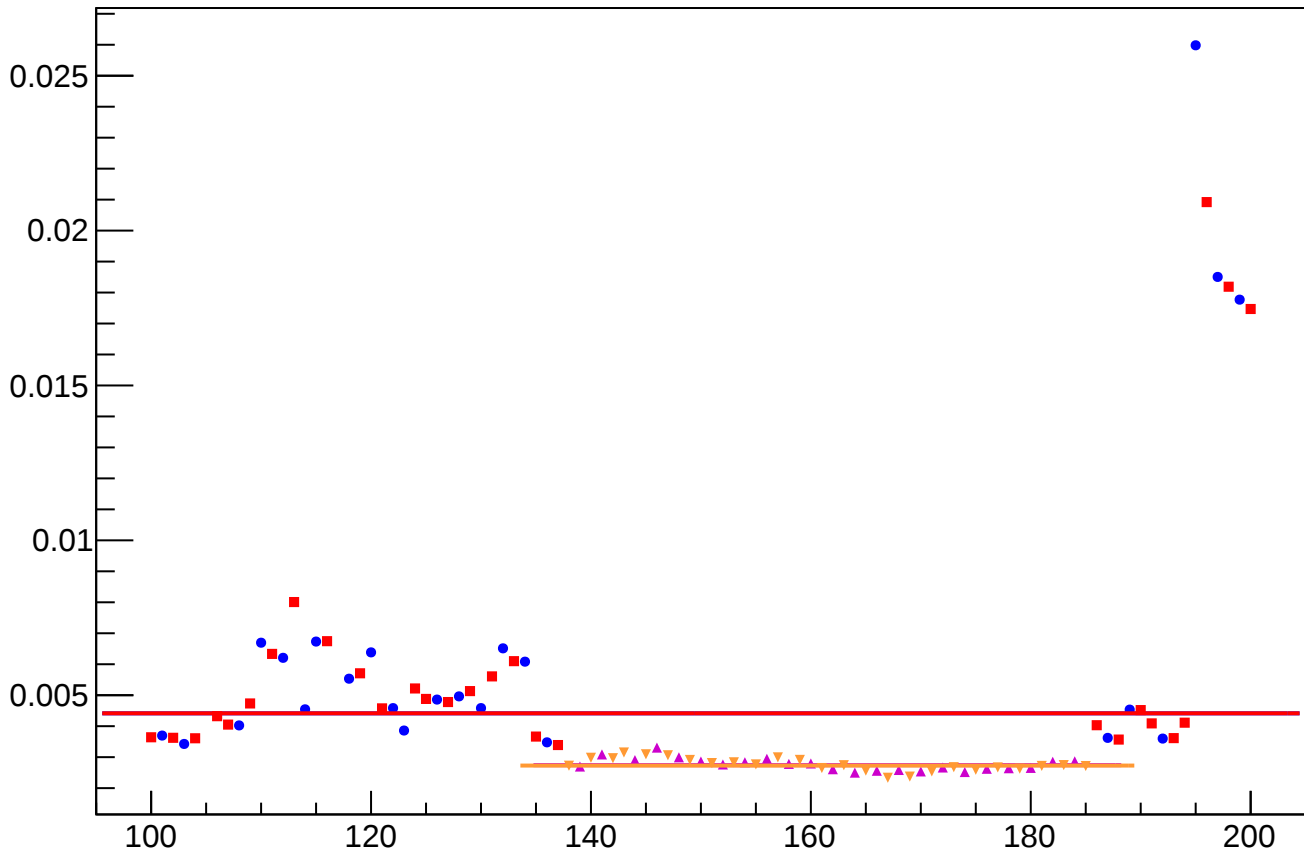
Right Out: -0.005 ± 0.000 χ^2/NDF : 173634649645.8/27

All: -0.249 ± 0.000 χ^2/NDF : 365841381446.8

Left In: -0.291 ± 0.000 χ^2/NDF : 3125402243.3/22

- sign -0.236 ± 0.000 χ^2/NDF : 211478037524.8/50

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3657577.3/22

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3620136.4/27

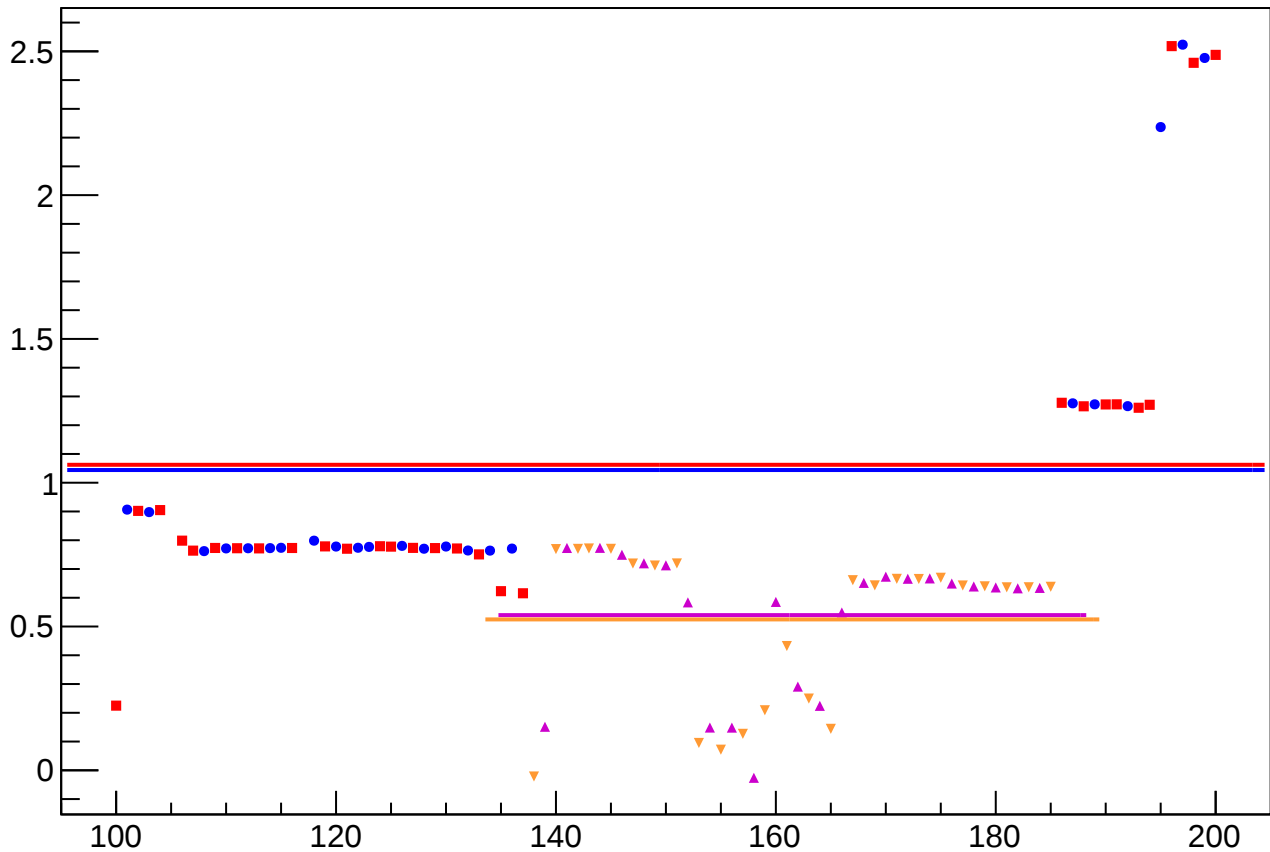
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5878052.7/47

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 12034606.2/98

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6137813.0/50

yield_bpm0l09X_mean vs Slug



Right In: 1.044 $\pm$ 0.000 χ^2 /NDF: 21371060967.2/22

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF: 9623503169.9/24

Right Out: 1.062 $\pm$ 0.000 χ^2 /NDF: 27987309445.9/27

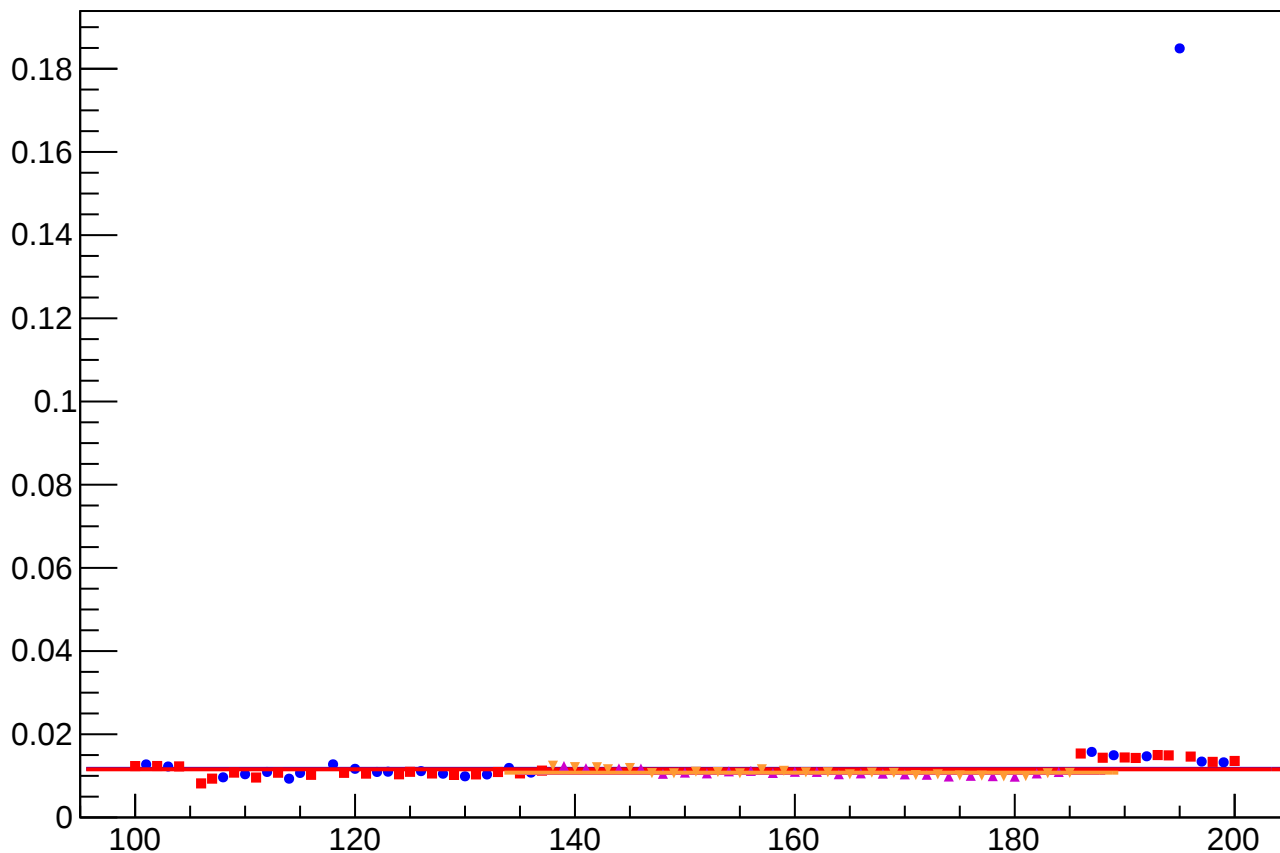
Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

+ sign 0.686 $\pm$ 0.000 χ^2 /NDF: 43773731227.6/47

All: 0.712 $\pm$ 0.000 χ^2 /NDF: 94883535499.4/9

- sign 0.736 $\pm$ 0.000 χ^2 /NDF: 50825978919.7/50

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1813781.8/22

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 131630.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 654459.9/27

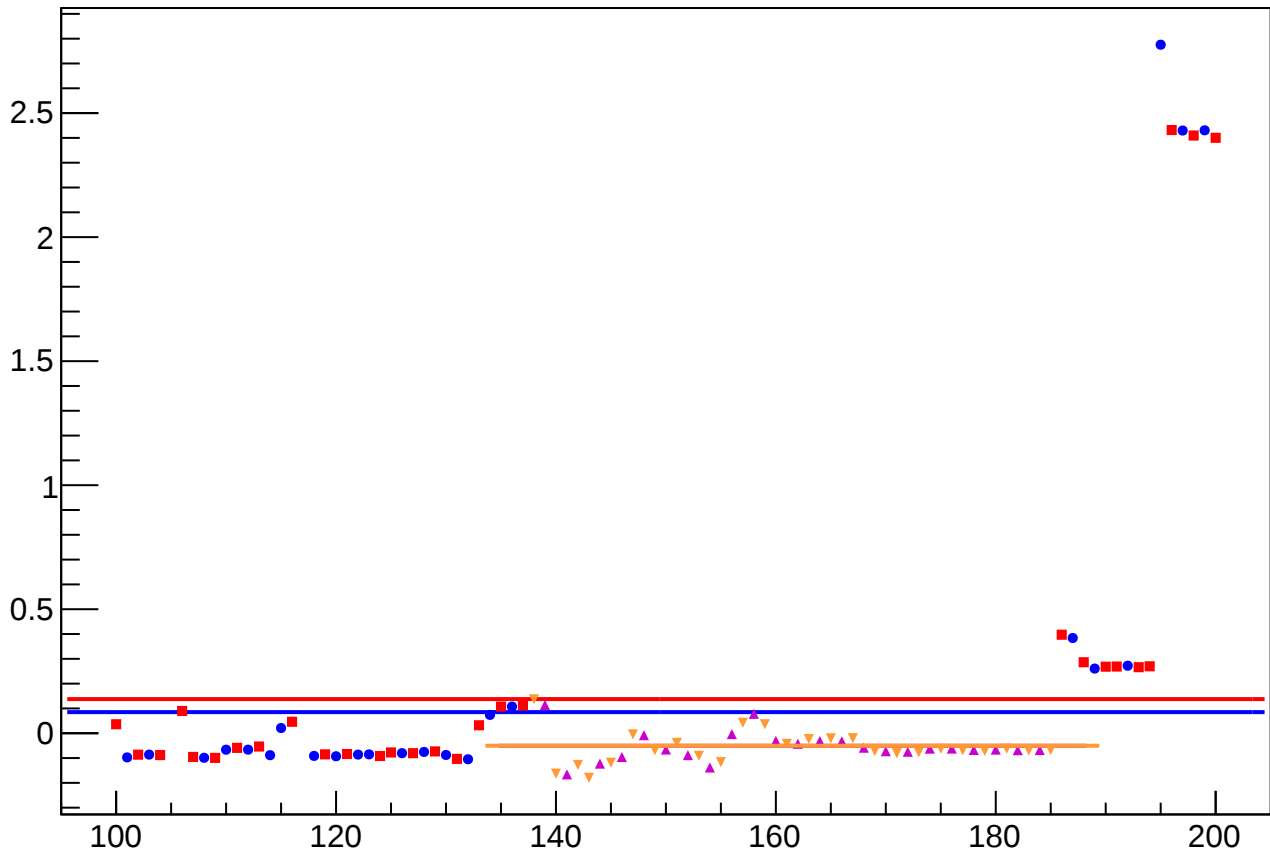
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 2024638.4/47

All: 0.011 $\pm$ 0.000 χ^2/NDF : 2884229.9/98

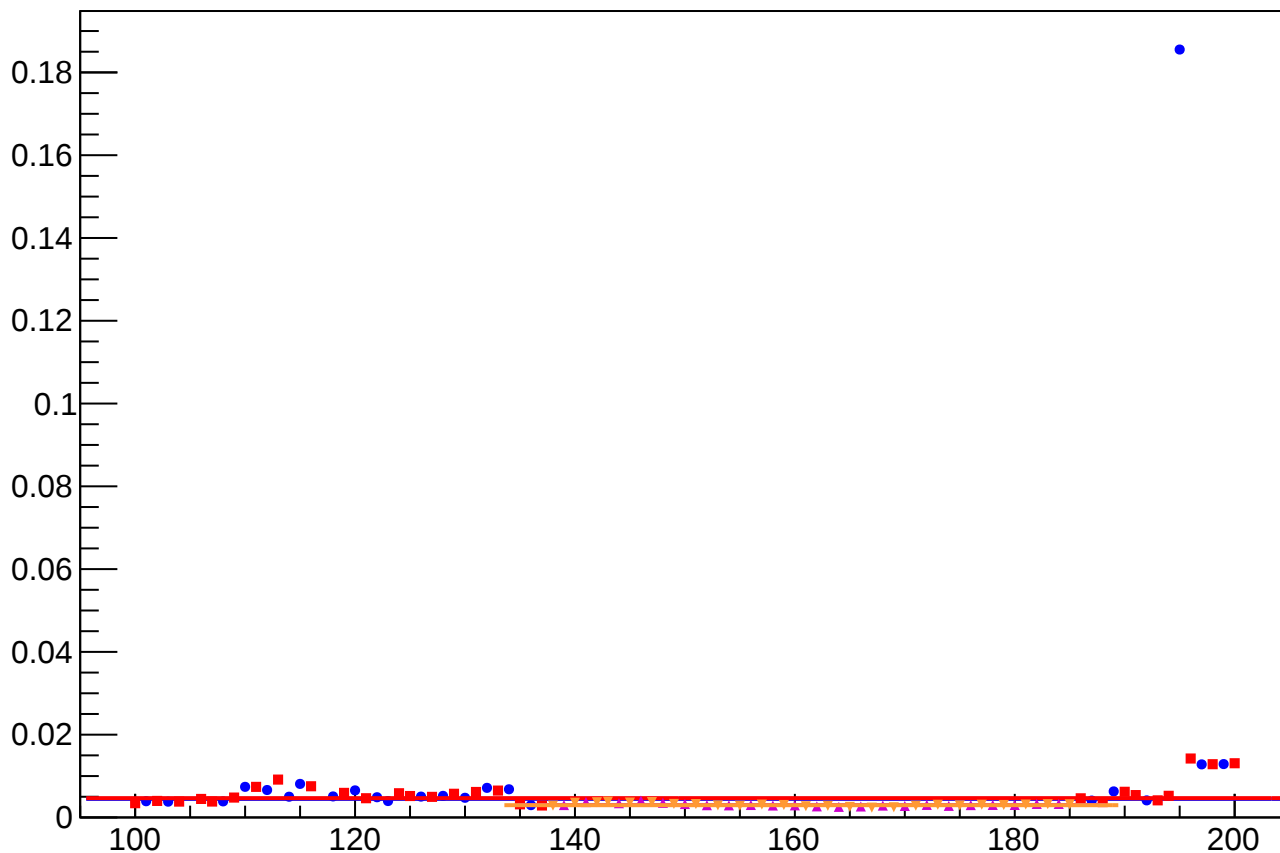
- sign 0.011 $\pm$ 0.000 χ^2/NDF : 859391.9/50

yield_bpm0l09Y_mean vs Slug



Right In: 0.085+/-0.000	χ^2/NDF : 58197323018.7/22	+ sign -0.028+/-0.000	χ^2/NDF : 71344331492.2/47
Left Out: -0.050+/-0.000	χ^2/NDF : 7271496478.6/24	All: -0.020+/-0.000	χ^2/NDF : 163926176628.4
Right Out: 0.138+/-0.000	χ^2/NDF : 73391275631.5/27	- sign -0.012+/-0.000	χ^2/NDF : 92307085824.0/50
Left In: -0.051+/-0.000	χ^2/NDF : 6128769990.8/22		

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 3852389.4/22

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2854546.9/27

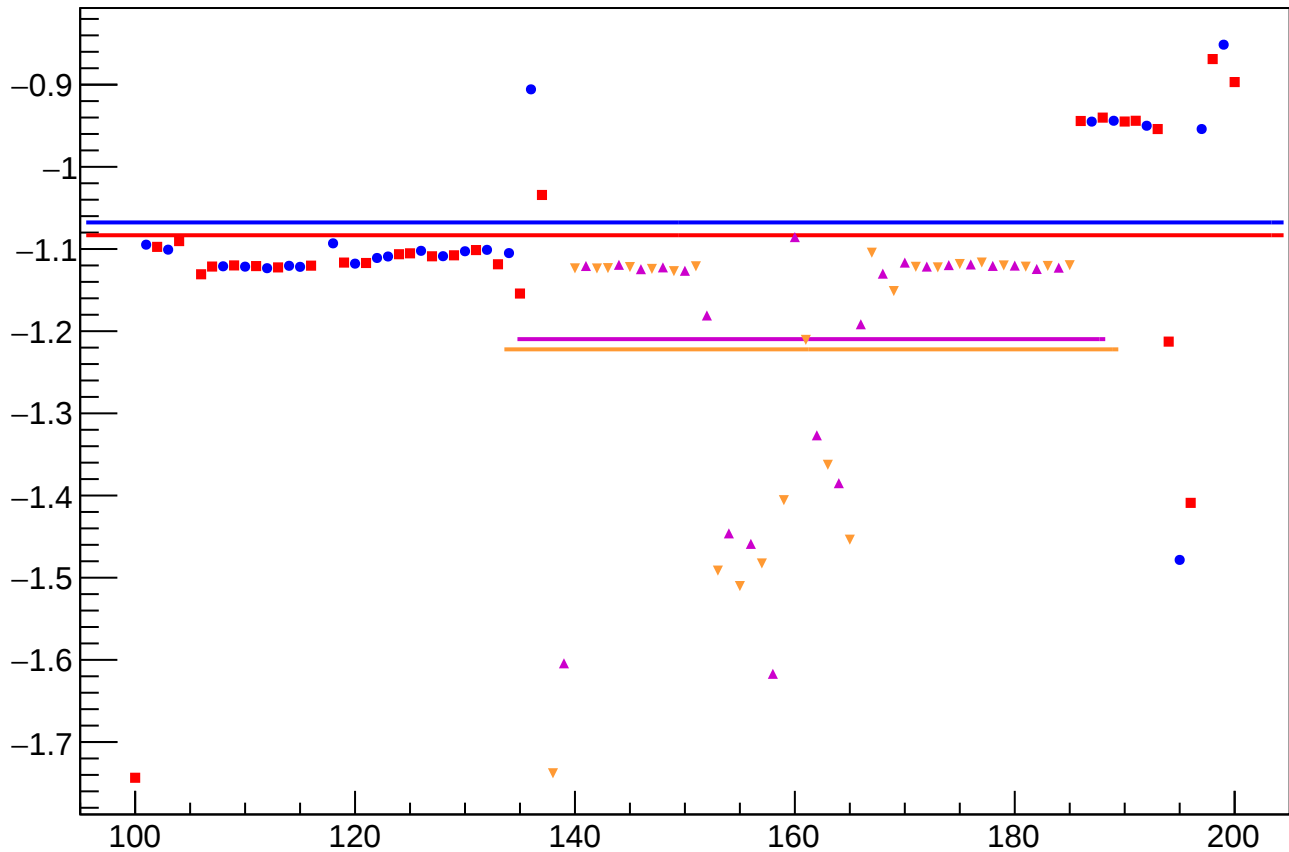
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 5832562.6/47

All: 0.003+/-0.000 χ^2/NDF : 11024859.6/98

- sign 0.003+/-0.000 χ^2/NDF : 5157174.8/50

yield_bpm0l10X_mean vs Slug



Right In: -1.068 ± 0.000 $\chi^2/\text{NDF}: 1488485541.2/22$

Left Out: -1.222 ± 0.000 $\chi^2/\text{NDF}: 5279548861.3/24$

+ sign -1.181 ± 0.000 $\chi^2/\text{NDF}: 7963786360.7/47$

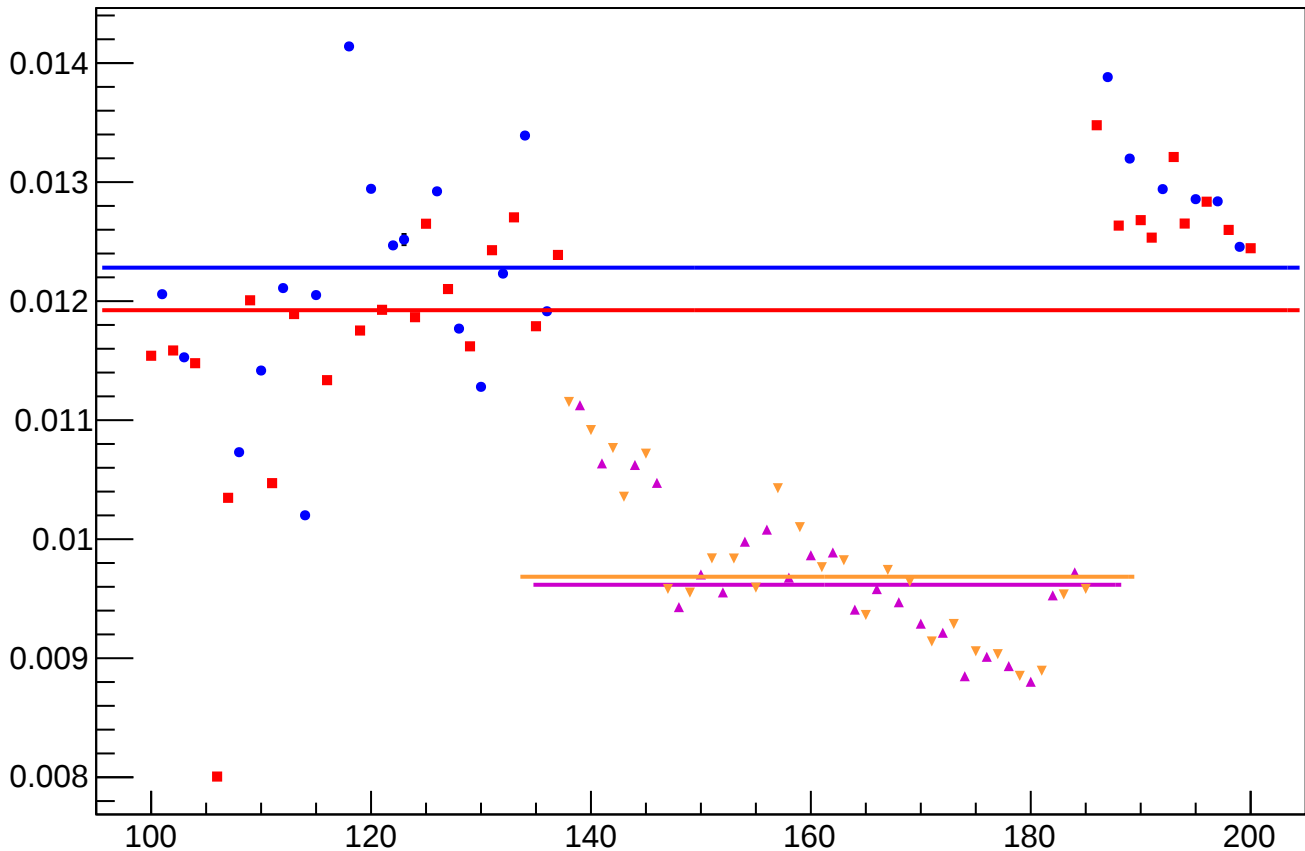
Right Out: -1.083 ± 0.000 $\chi^2/\text{NDF}: 1590759639.7/27$

All: -1.175 ± 0.000 $\chi^2/\text{NDF}: 15029172897.8$

- sign -1.168 ± 0.000 $\chi^2/\text{NDF}: 7043037522.9/50$

Left In: -1.210 ± 0.000 $\chi^2/\text{NDF}: 4502367902.8/22$

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 85891.8/22

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 238041.9/27

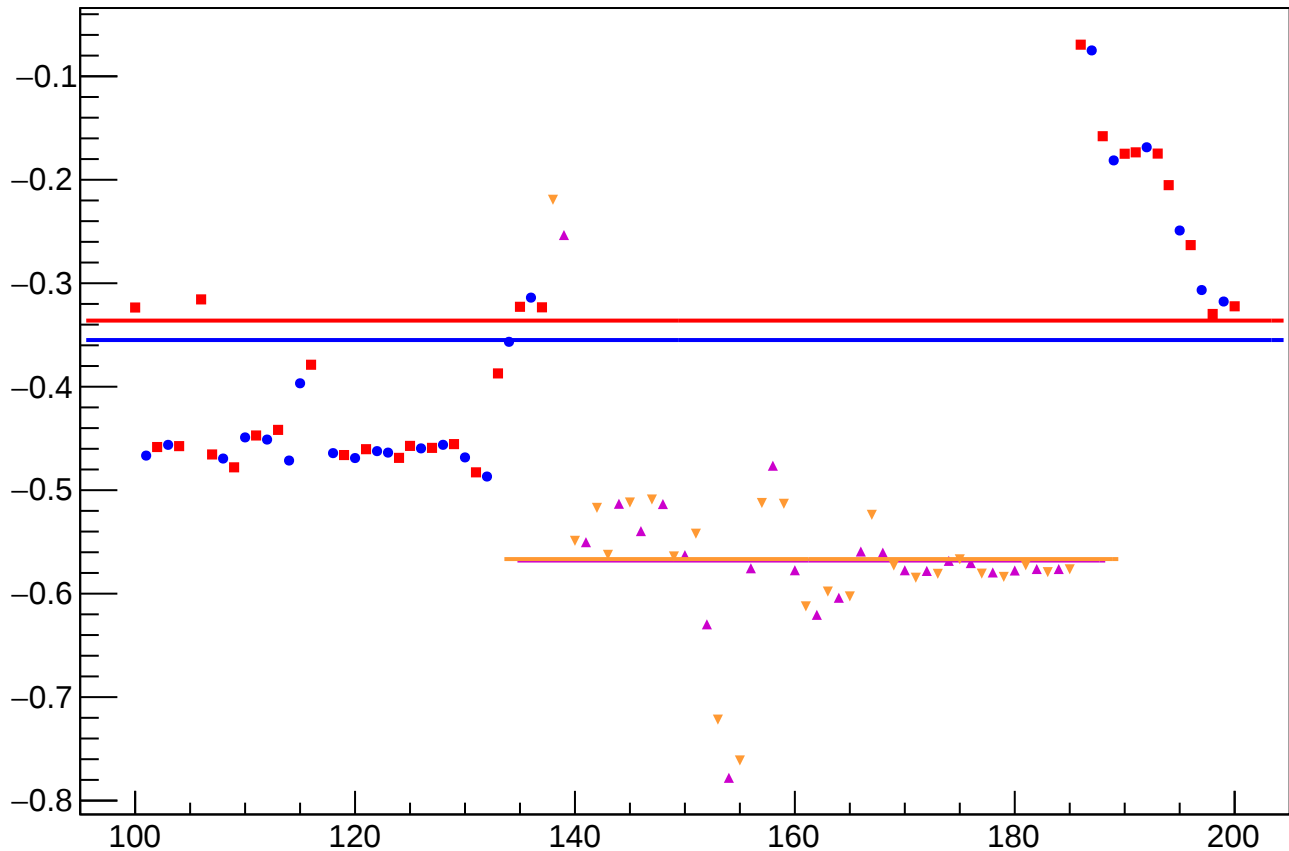
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 896683.5/47

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1887104.6/98

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 990420.3/50

yield_bpm0l10Y_mean vs Slug



Right In: -0.355 ± 0.000 χ^2/NDF : 7606147272.9/22

Left Out: -0.567 ± 0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.336 ± 0.000 χ^2/NDF : 10333956840.4/27

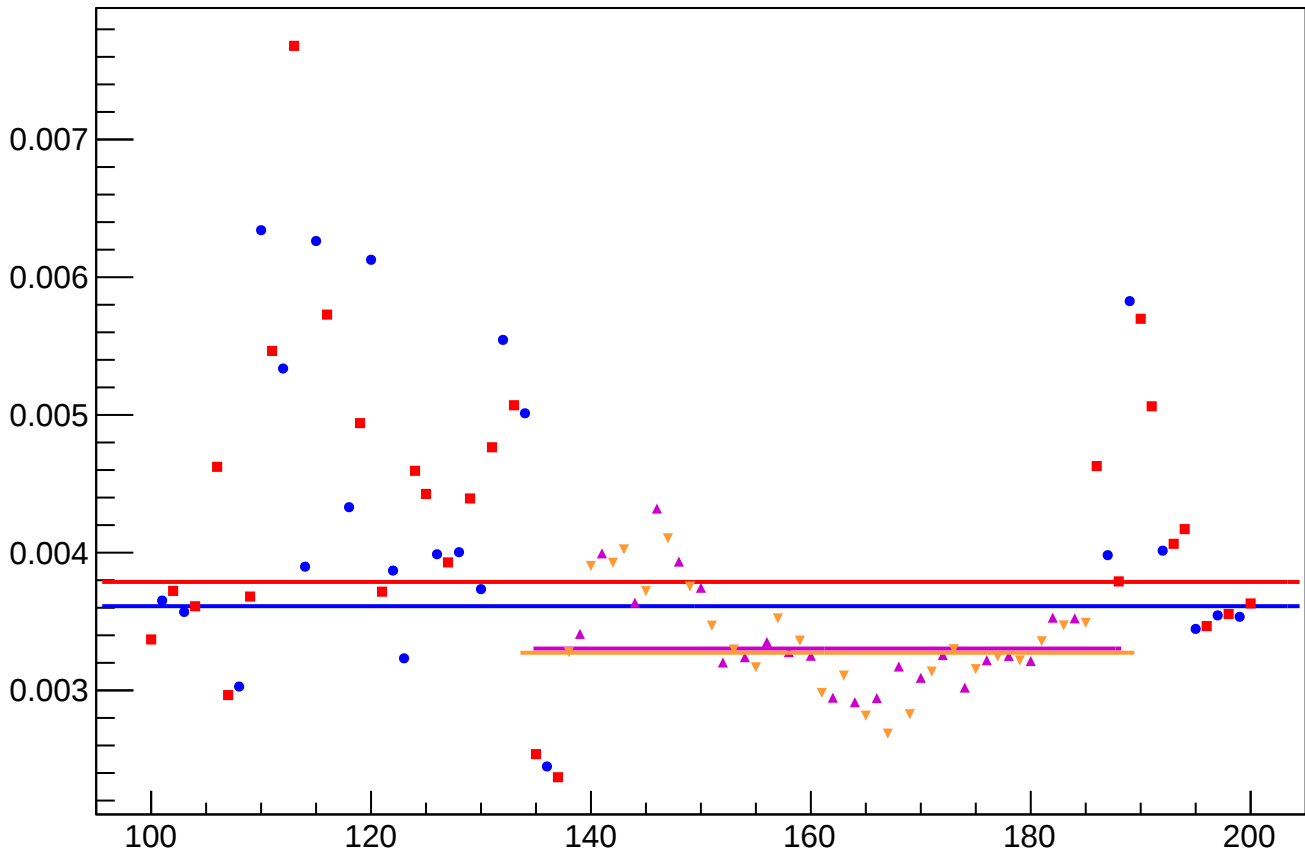
Left In: -0.568 ± 0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.502 ± 0.000 χ^2/NDF : 42824352174.1/47

All: -0.495 ± 0.000 χ^2/NDF : 91577818820.0/50

- sign -0.487 ± 0.000 χ^2/NDF : 48498402369.3/50

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 992695.2/22

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1057697.6/27

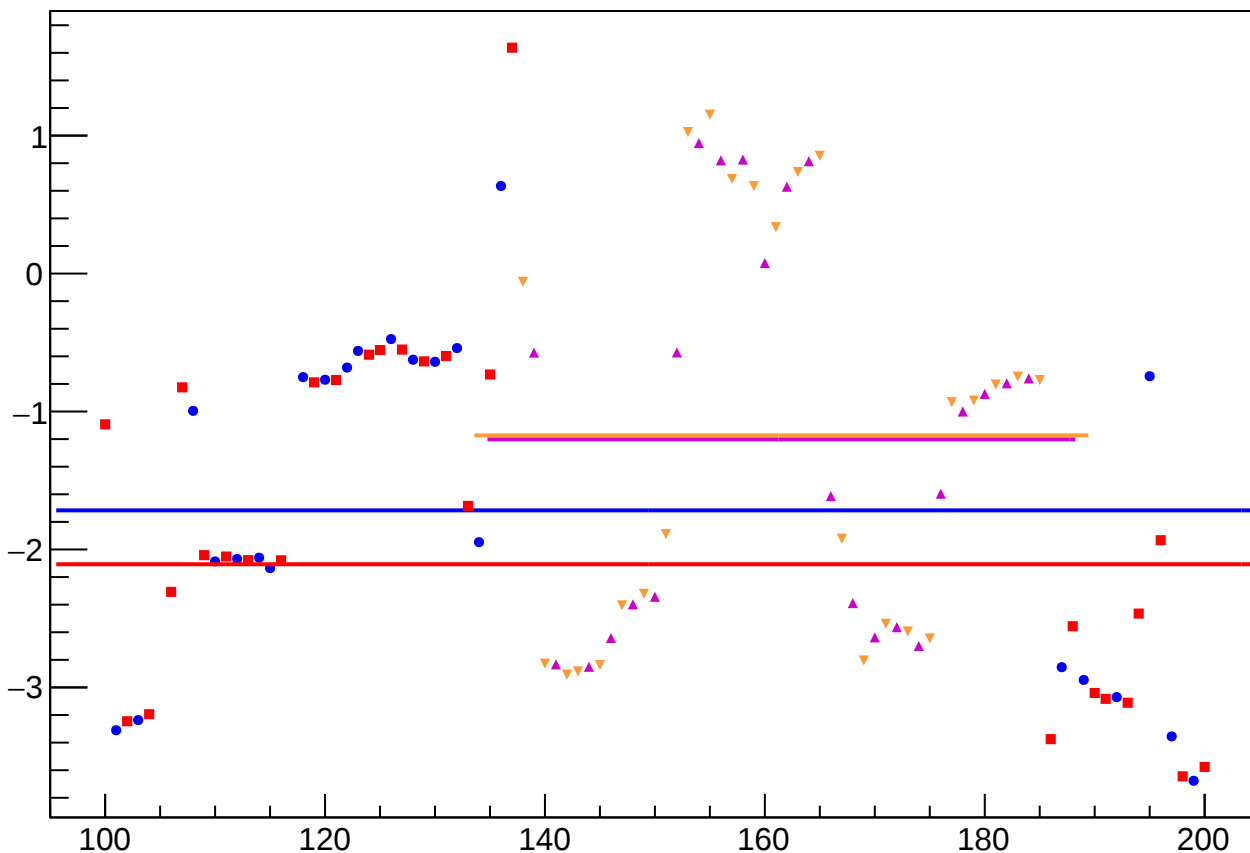
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1498912.4/47

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3104668.4/98

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1584722.4/50

yield_bpm0r03X_mean vs Slug



Right In: -1.716+/-0.000 χ^2/NDF : 3715687554.9/22

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -2.107+/-0.000 χ^2/NDF : 3106543294.8/27

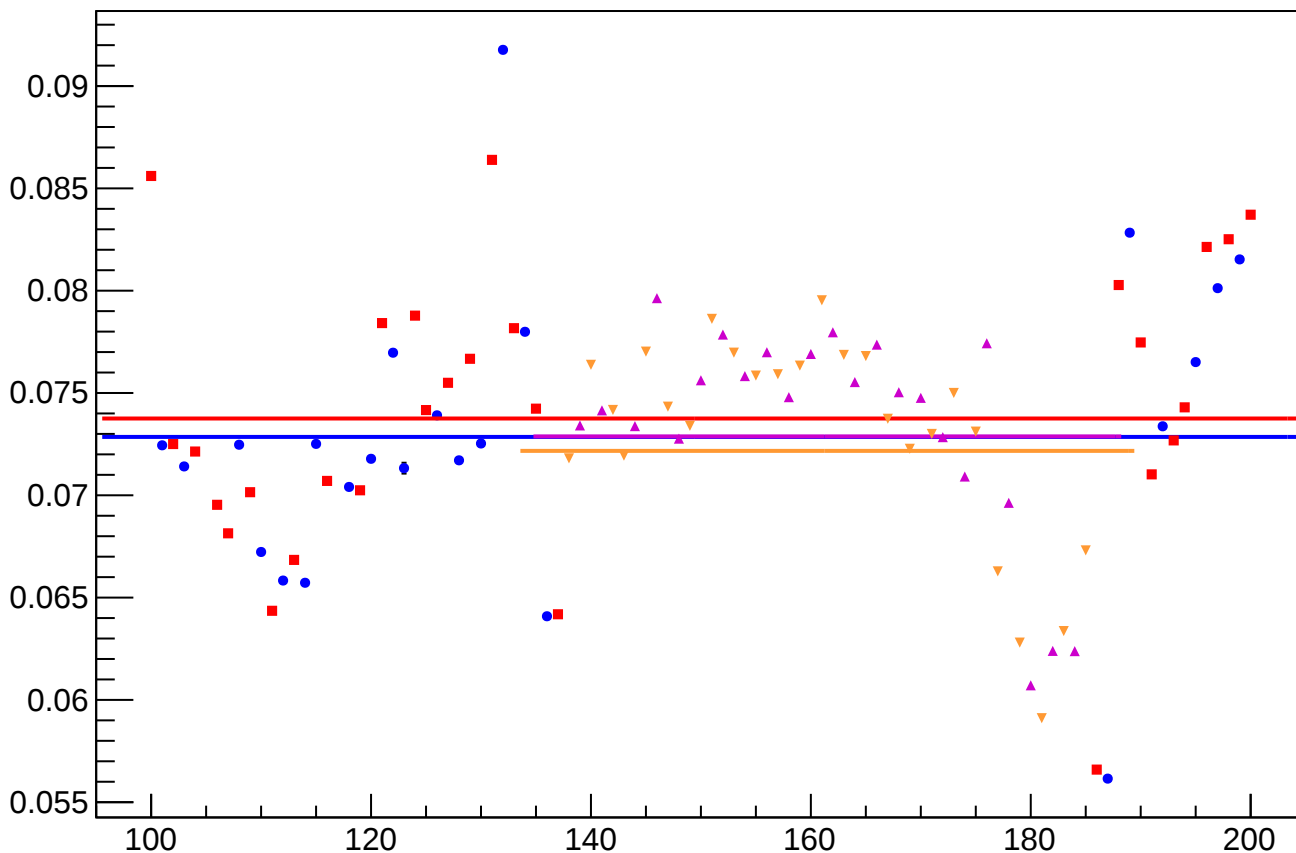
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.370+/-0.000 χ^2/NDF : 10968177000.1/47

All: -1.478+/-0.000 χ^2/NDF : 20912536286.1/50

- sign -1.584+/-0.000 χ^2/NDF : 9818612890.3/50

yield_bpm0r03X_rms vs Slug



Right In: 0.073 ± 0.000 $\chi^2/\text{NDF}: 159826.0/22$

Left Out: 0.072 ± 0.000 $\chi^2/\text{NDF}: 222263.8/24$

Right Out: 0.074 ± 0.000 $\chi^2/\text{NDF}: 215853.7/27$

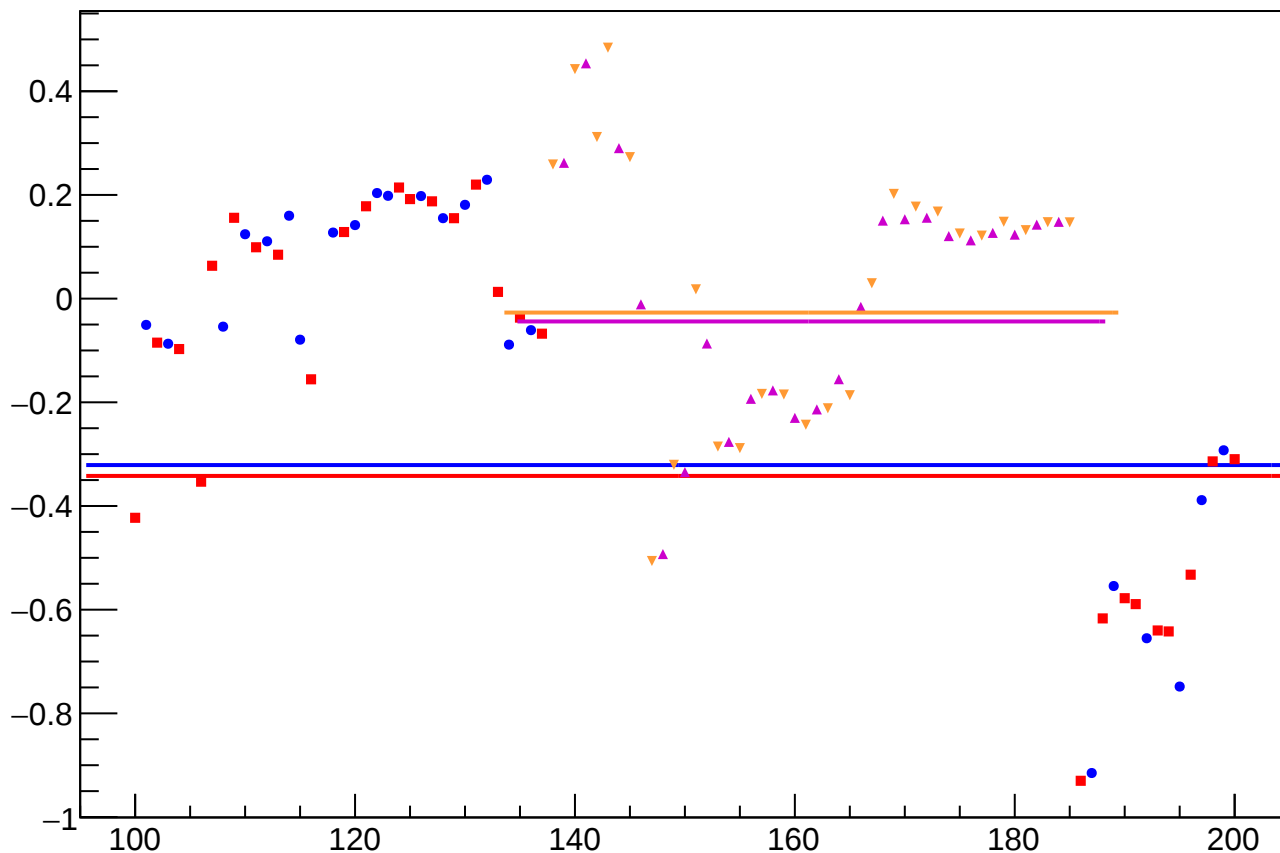
Left In: 0.073 ± 0.000 $\chi^2/\text{NDF}: 183503.0/22$

+ sign 0.072 ± 0.000 $\chi^2/\text{NDF}: 383256.4/47$

All: 0.073 ± 0.000 $\chi^2/\text{NDF}: 788446.1/98$

- sign 0.073 ± 0.000 $\chi^2/\text{NDF}: 401425.6/50$

yield_bpm0r03Y_mean vs Slug



Right In: -0.321 ± 0.000 $\chi^2/\text{NDF}: 12011549550.3/22$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.342 ± 0.000 $\chi^2/\text{NDF}: 10940235030.8/27$

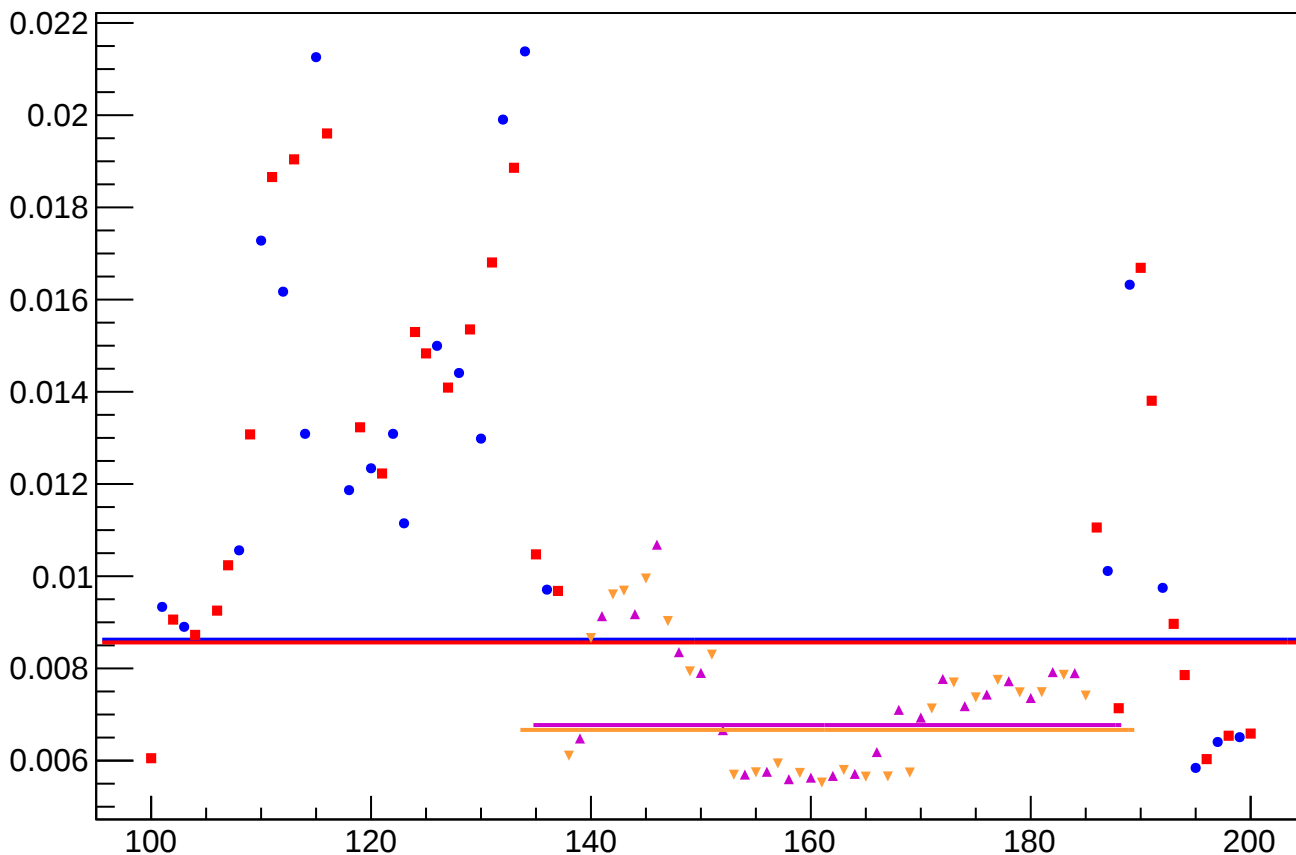
Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

+ sign -0.097 ± 0.000 $\chi^2/\text{NDF}: 40152700888.2/47$

All: -0.114 ± 0.000 $\chi^2/\text{NDF}: 76068317479.3/50$

- sign -0.131 ± 0.000 $\chi^2/\text{NDF}: 35622997734.9/50$

yield_bpm0r03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 2322677.7/22

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2676142.8/27

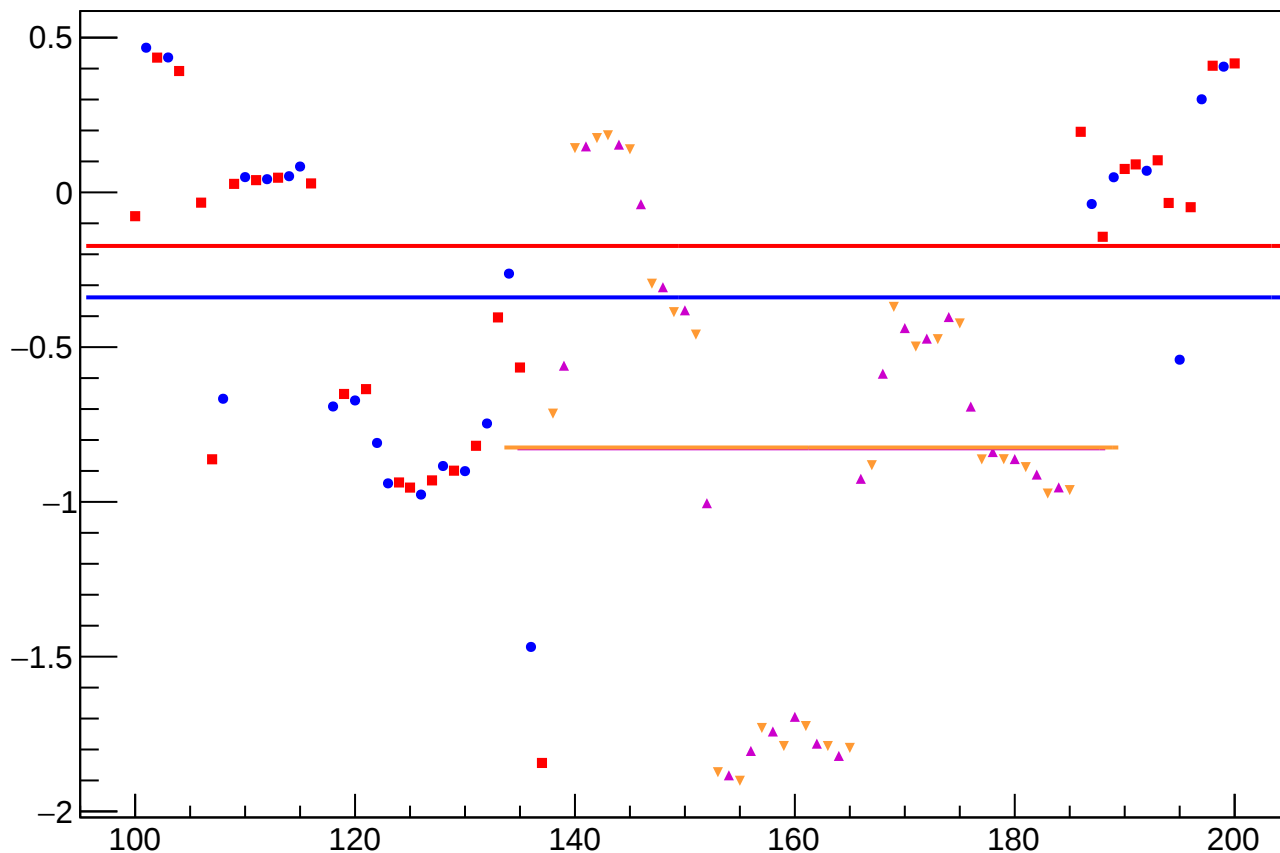
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4154091.3/47

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8426009.0/98

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4258518.8/50

yield_bpm0r05X_mean vs Slug



Right In: -0.339 ± 0.000 $\chi^2/\text{NDF}: 469704905.2/22$

Left Out: -0.824 ± 0.000 $\chi^2/\text{NDF}: 1103610806.5/24$

Right Out: -0.173 ± 0.000 $\chi^2/\text{NDF}: 381534167.9/27$

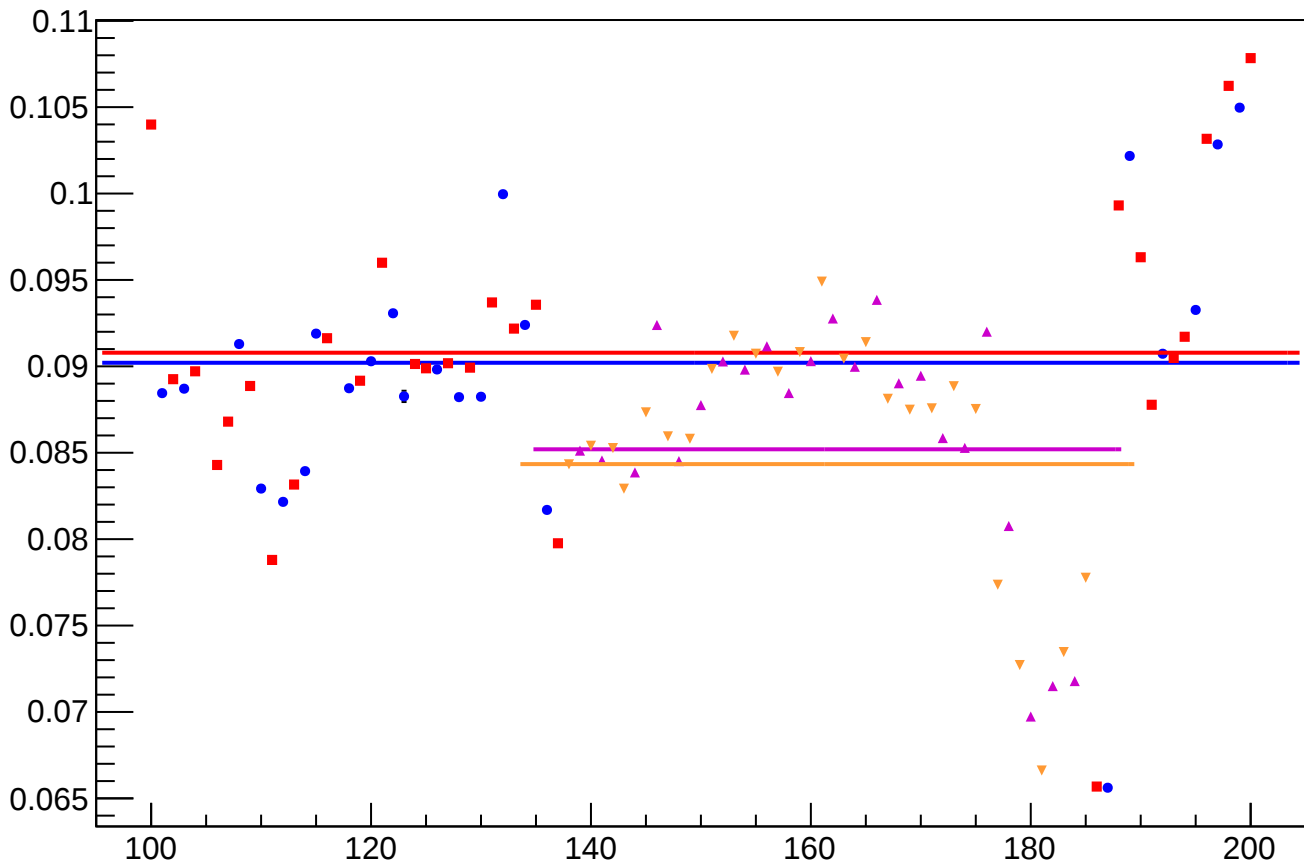
Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 921651117.3/22$

+ sign -0.661 ± 0.000 $\chi^2/\text{NDF}: 1775506206.5/47$

All: -0.614 ± 0.000 $\chi^2/\text{NDF}: 3496454167.5/9$

- sign -0.567 ± 0.000 $\chi^2/\text{NDF}: 1703818320.4/50$

yield_bpm0r05X_rms vs Slug



Right In: 0.090 $\pm$ 0.000 χ^2 /NDF: 156957.3/22

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.091 $\pm$ 0.000 χ^2 /NDF: 273250.9/27

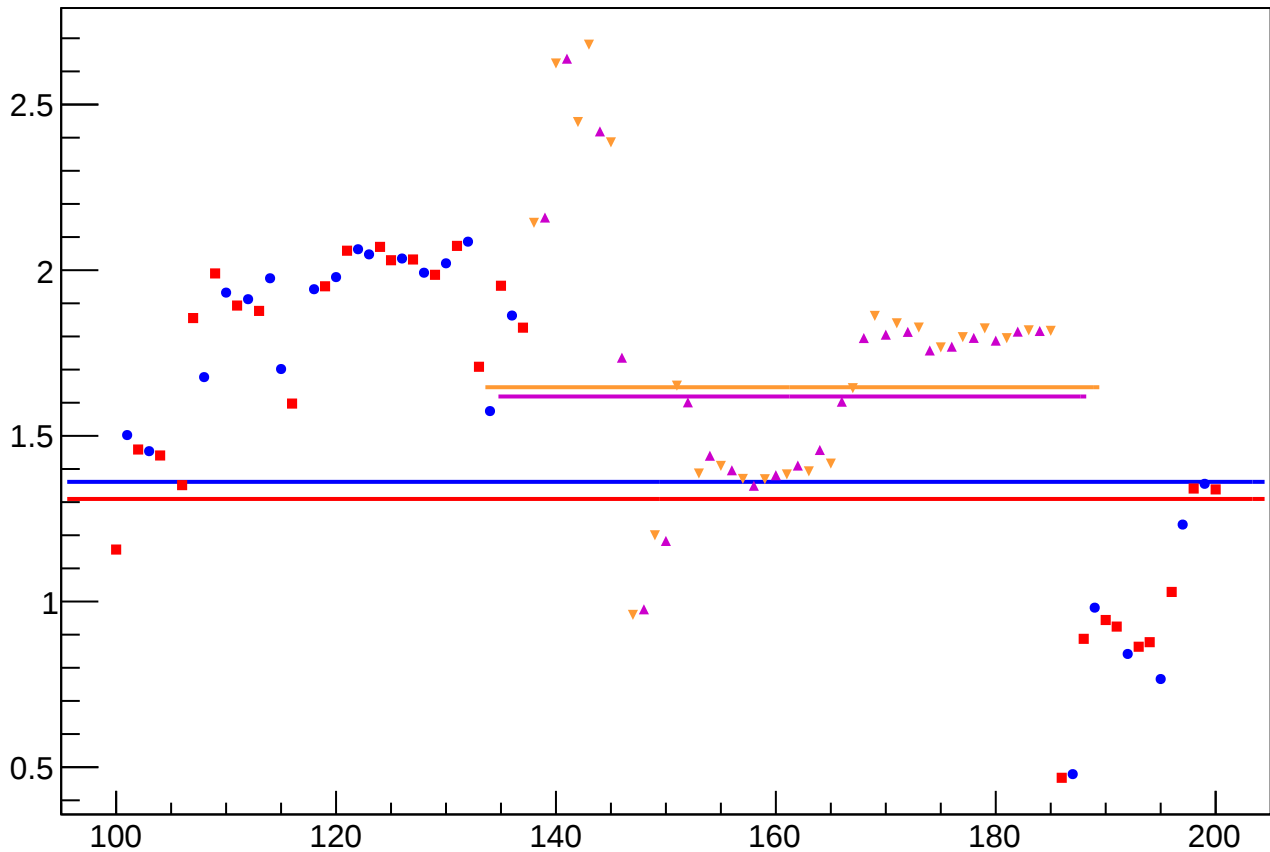
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 504382.9/47

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 1079225.4/98

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 570107.0/50

yield_bpm0r05Y_mean vs Slug



Right In: 1.361+/-0.000 χ^2/NDF : 12496142975.8/22

Left Out: 1.647+/-0.000 χ^2/NDF : 26535241545.7/24

Right Out: 1.310+/-0.000 χ^2/NDF : 11987617910.1/27

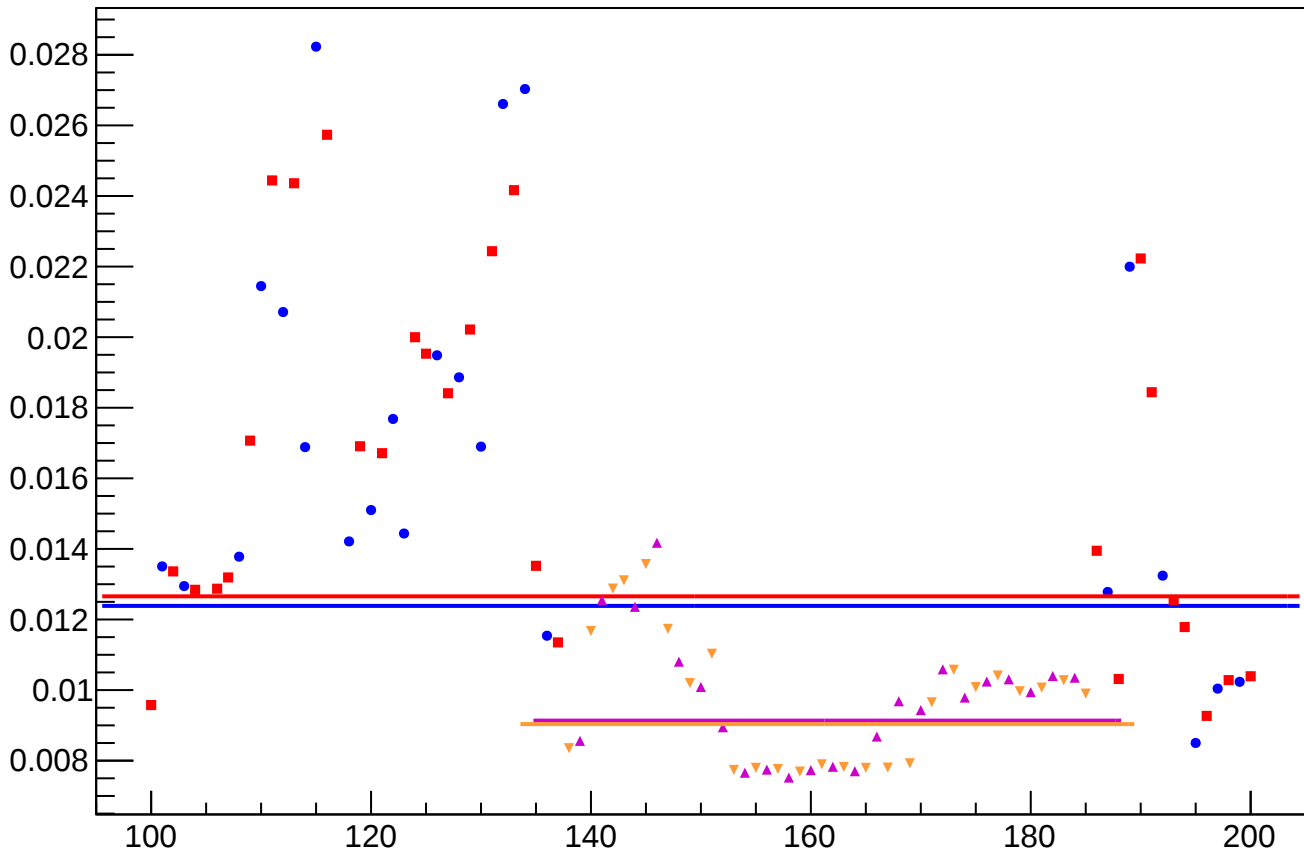
Left In: 1.619+/-0.000 χ^2/NDF : 20618198188.1/22

+ sign 1.584+/-0.000 χ^2/NDF : 42788096783.4/47

All: 1.561+/-0.000 χ^2/NDF : 80478968704.5/50

- sign 1.538+/-0.000 χ^2/NDF : 37412774543.9/50

yield_bpm0r05Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1645198.3/22

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1042871.8/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1862119.8/27

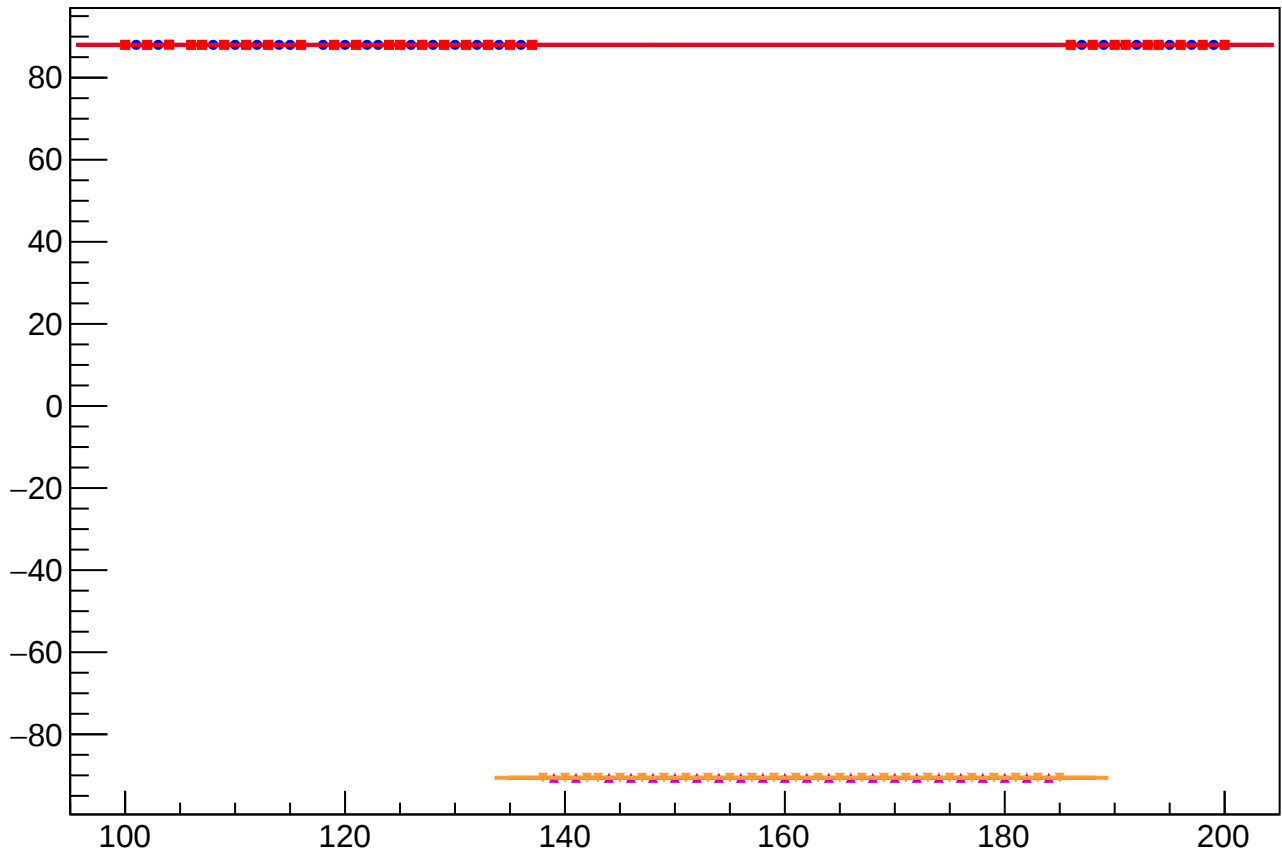
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:878356.2/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3721703.2/47

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7729755.5/98

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3987063.9/50

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 3513094.2/22

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 80242673945213800010842374144.0/27

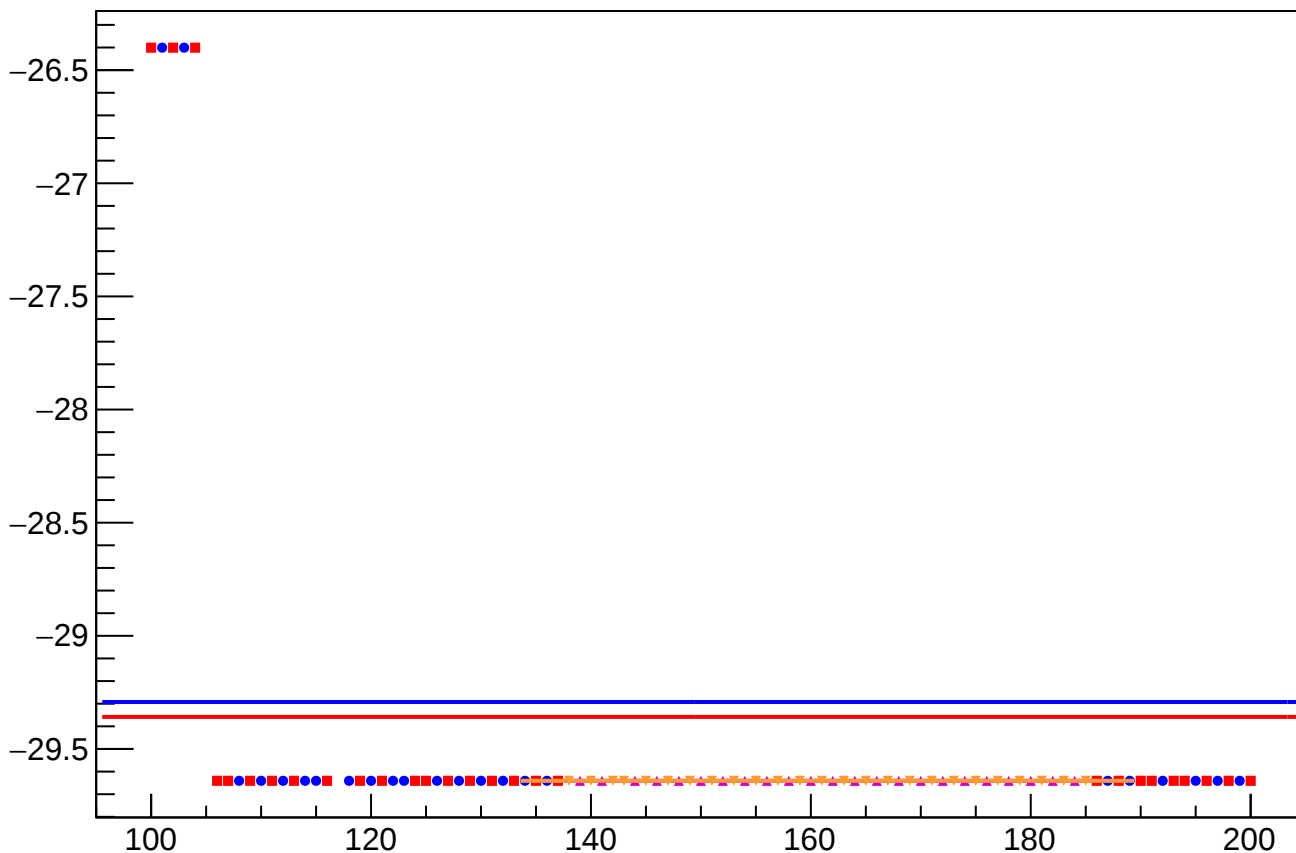
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -25.297 $\pm$ 0.000 χ^2 /NDF: 222179966541458

All: -19.829 $\pm$ 0.000 χ^2 /NDF: 467792404026

- sign -14.578 $\pm$ 0.000 χ^2 /NDF: 2438523552318106

epics_HWienAngles_mean vs Slug



Right In: -29.293+/-0.000 χ^2/NDF : 1105594229508197963987030709895168.0/22

Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24

Right Out: -29.358+/-0.000 χ^2/NDF : 1111594097670915388568560270835712.0/27

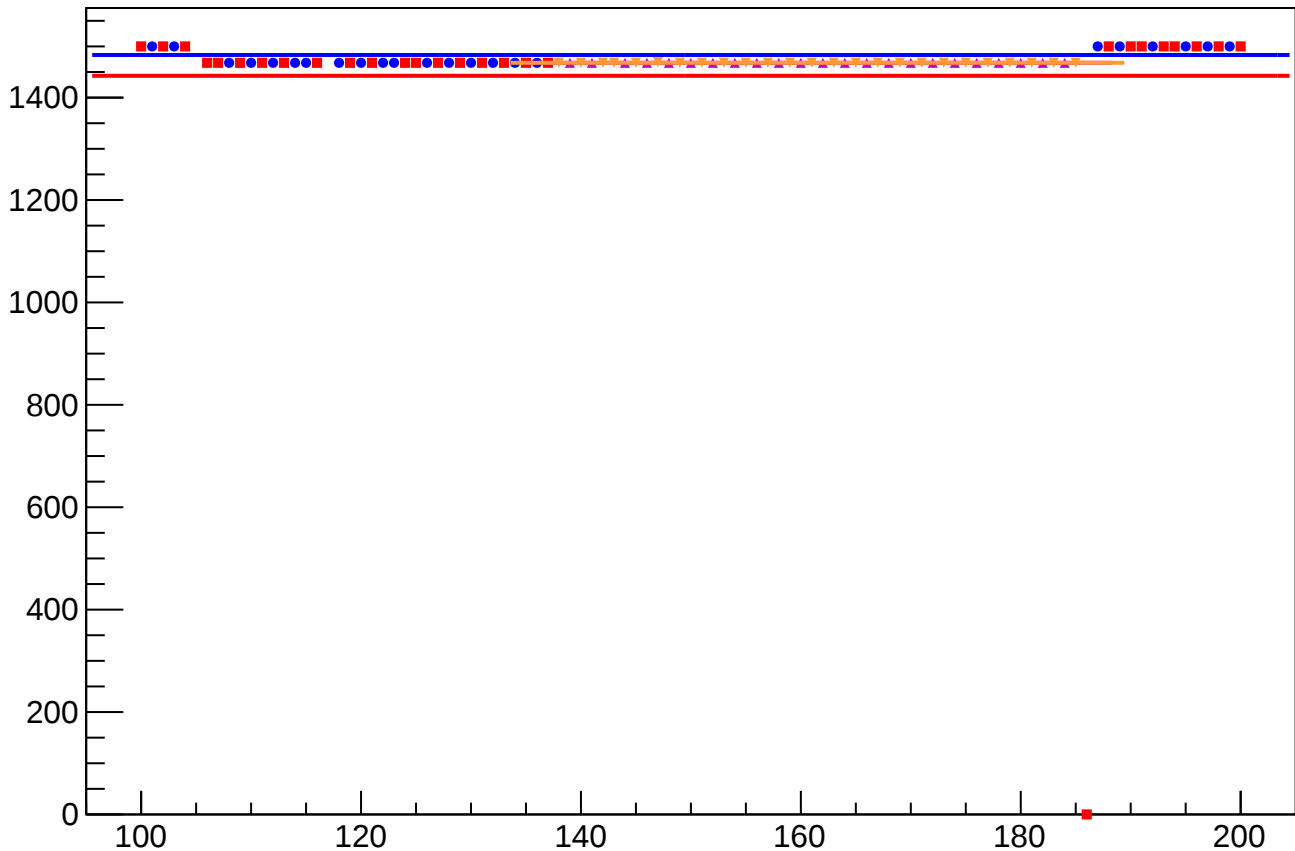
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.513+/-0.000 χ^2/NDF : 119004261338659

All: -29.517+/-0.000 χ^2/NDF : 236266897331

- sign -29.521+/-0.000 χ^2/NDF : 1172548684873655

epics_psub_pl_poss_mean vs Slug



Right In: 1483.290+/-0.000 χ^2/NDF : 280926291526618192233760394030612480.0/22

+ sign 1473.621+/-0.000 χ^2/NDF : 44287564192797

Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24

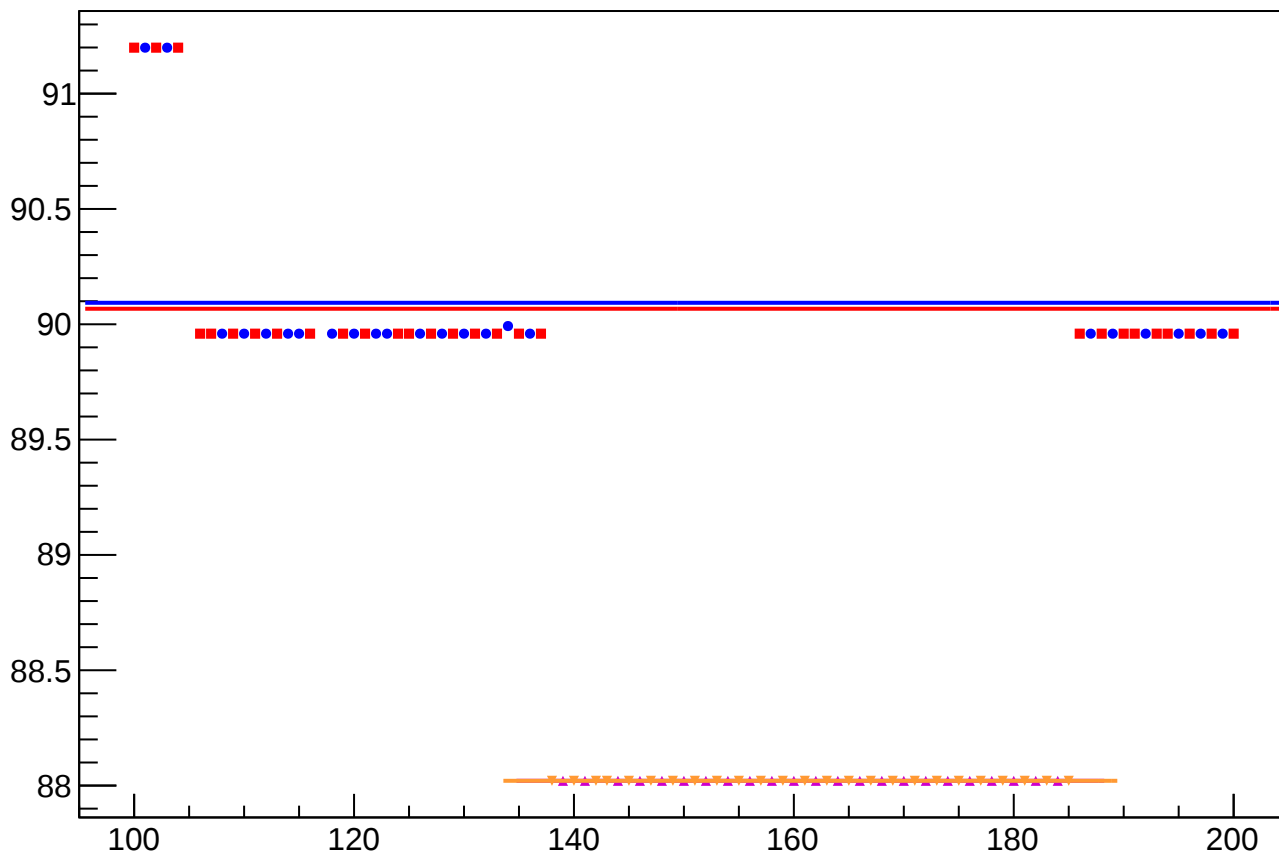
All: 1465.246+/-0.000 χ^2/NDF : 83086712243

Right Out: 1442.645+/-0.000 χ^2/NDF : 81739757266174676924166211687627620352.0/27

- sign 1457.204+/-0.000 χ^2/NDF : 82230973510931

Left In: 1467.994+/-0.000 χ^2/NDF : 14449772795444989723550941184.0/22

epics_Phi_FGs_mean vs Slug



Right In: 90.093+/-0.000 χ^2/NDF : 161775652236979254830111953780736.0/22

Left Out: 88.021+/-0.000 χ^2/NDF : 5679798.5/24

Right Out: 90.067+/-0.000 χ^2/NDF : 162816937640910936956066896805888.0/27

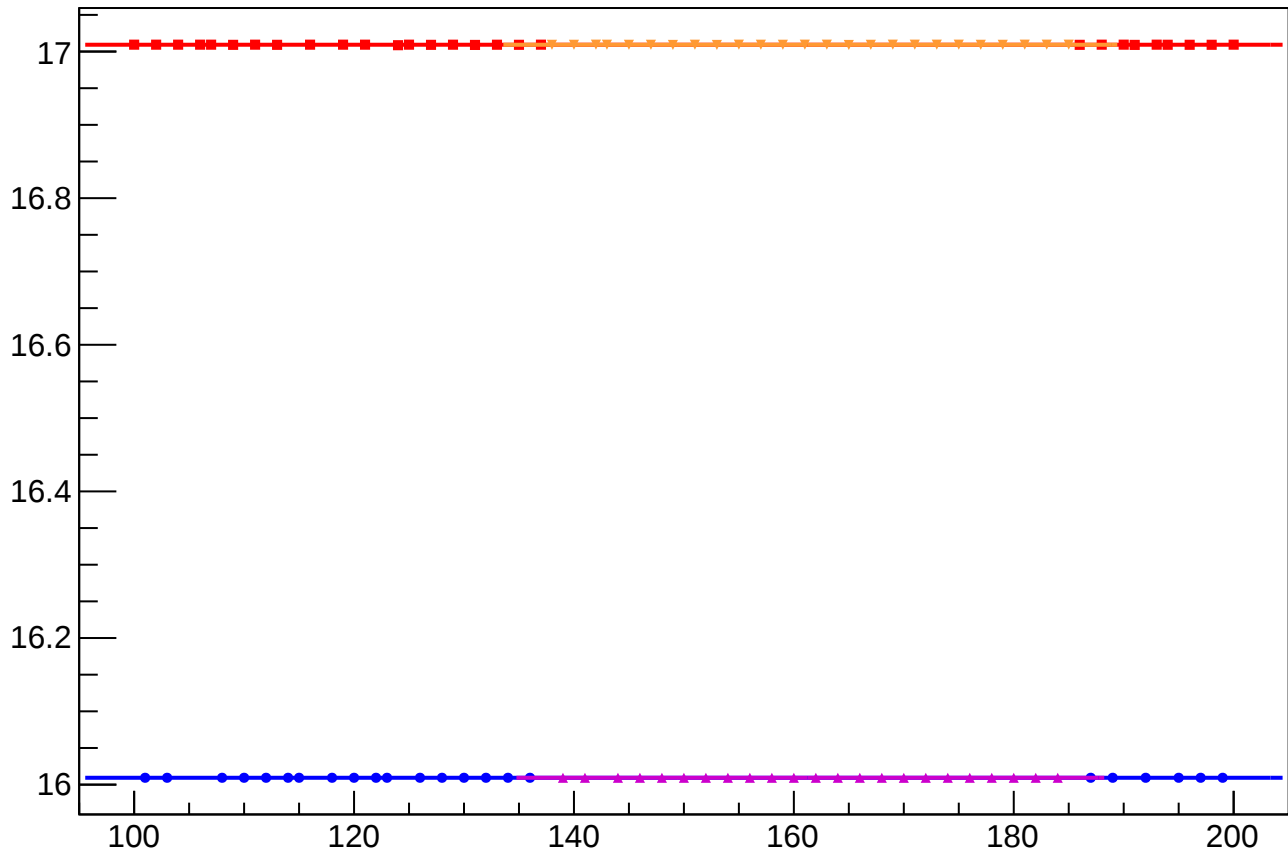
Left In: 88.021+/-0.000 χ^2/NDF : 6257169.0/22

+ sign 88.778+/-0.000 χ^2/NDF : 3153525851716523

All: 88.836+/-0.000 χ^2/NDF : 6538241732201

- sign 88.892+/-0.000 χ^2/NDF : 3365021917232307

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 177134.0/22

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 17211429707586693578620928.0/27

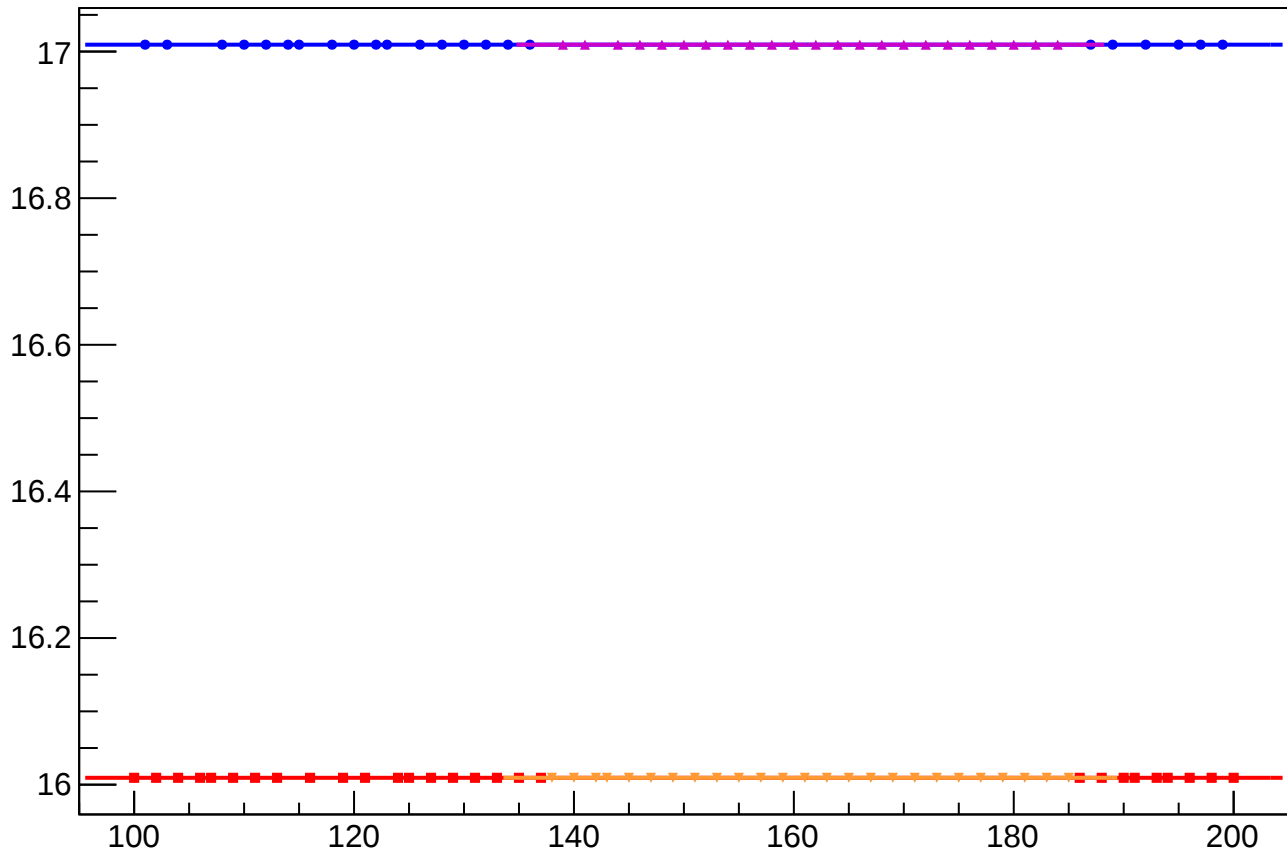
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.633 $\pm$ 0.000 χ^2 /NDF: 6651646762683256

All: 16.535 $\pm$ 0.000 χ^2 /NDF: 1437813673046

- sign 16.440 $\pm$ 0.000 χ^2 /NDF: 7189597131288221

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 269172.0/22

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 381303.8/27

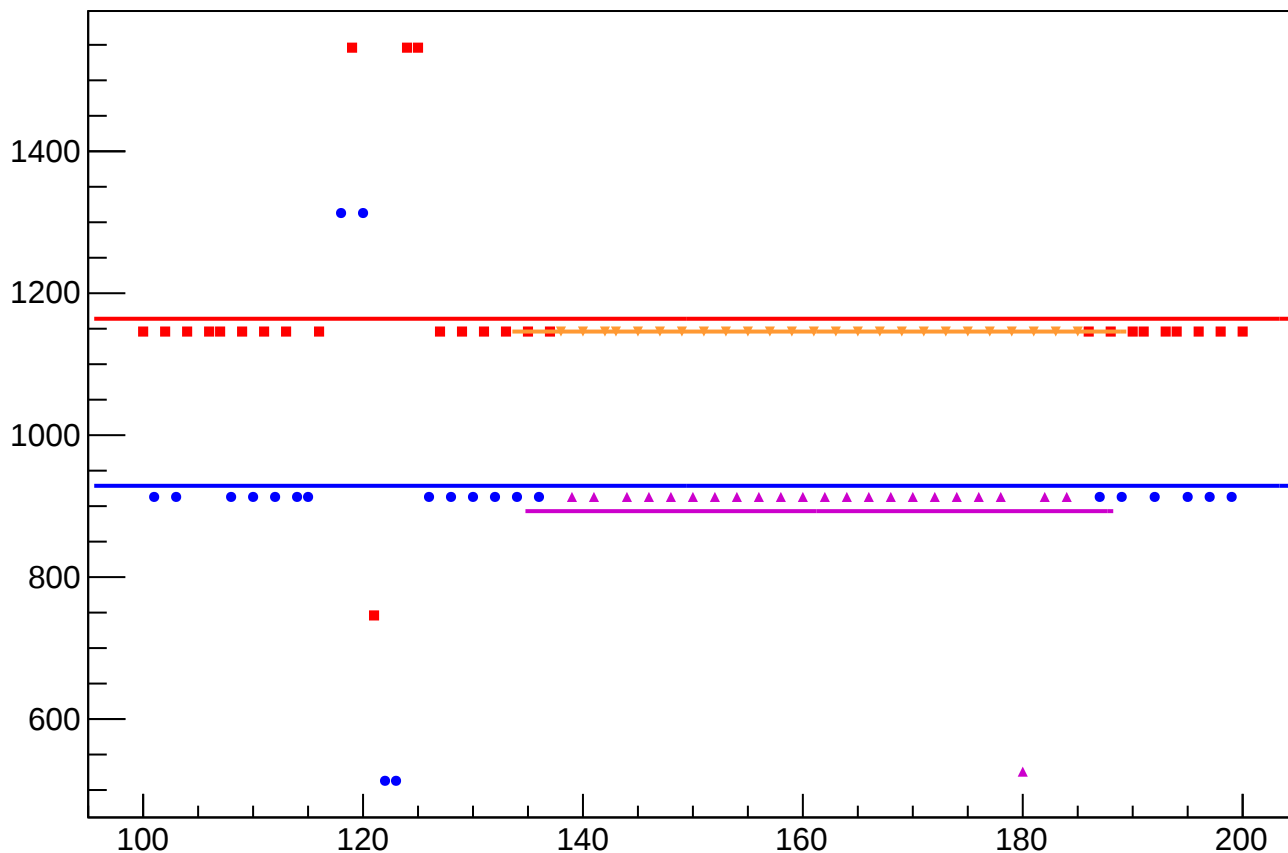
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.371+/-0.000 χ^2/NDF : 6804024431625213

All: 16.477+/-0.000 χ^2/NDF : 1499246922860

- sign 16.579+/-0.000 χ^2/NDF : 7539238131254686

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 928.660+/-0.000 χ^2/NDF : 21011886699161826213990200235551358976.0/22

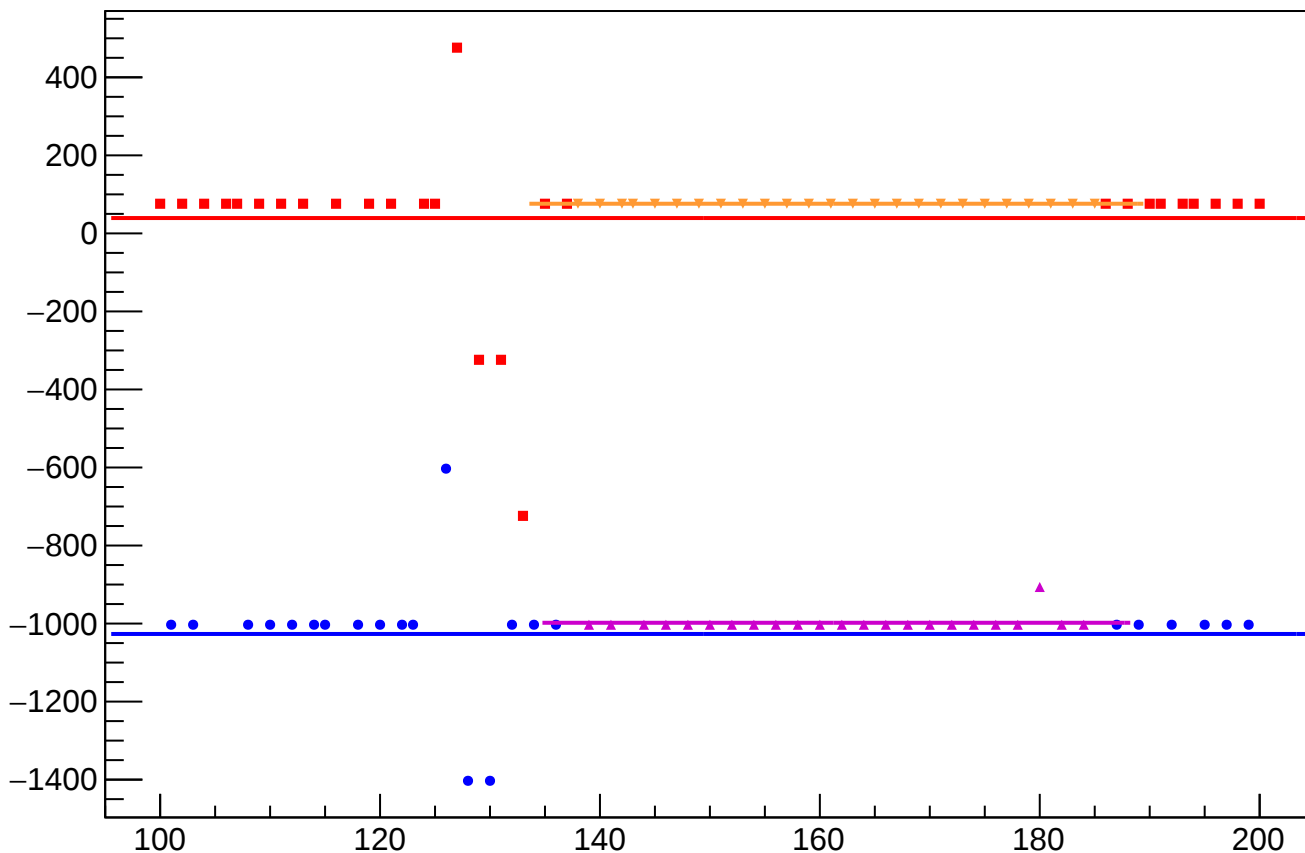
Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1164.042+/-0.000 χ^2/NDF : 21647955863442716217968363253639675904.0/27

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1036.851+/-0.000 χ^2/NDF : 15014848392

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1026.669+/-0.000 χ^2/NDF : 22583977769694428185749484369742921728.0/22

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24 + sign -327.167+/-0.000 χ^2/NDF : 86950123847032

Right Out: 39.346+/-0.000 χ^2/NDF : 45250512122732514469916934433859960832.0/27 All: -444.124+/-0.000 χ^2/NDF : 18187000618

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22 - sign -556.444+/-0.000 χ^2/NDF : 868671299046083