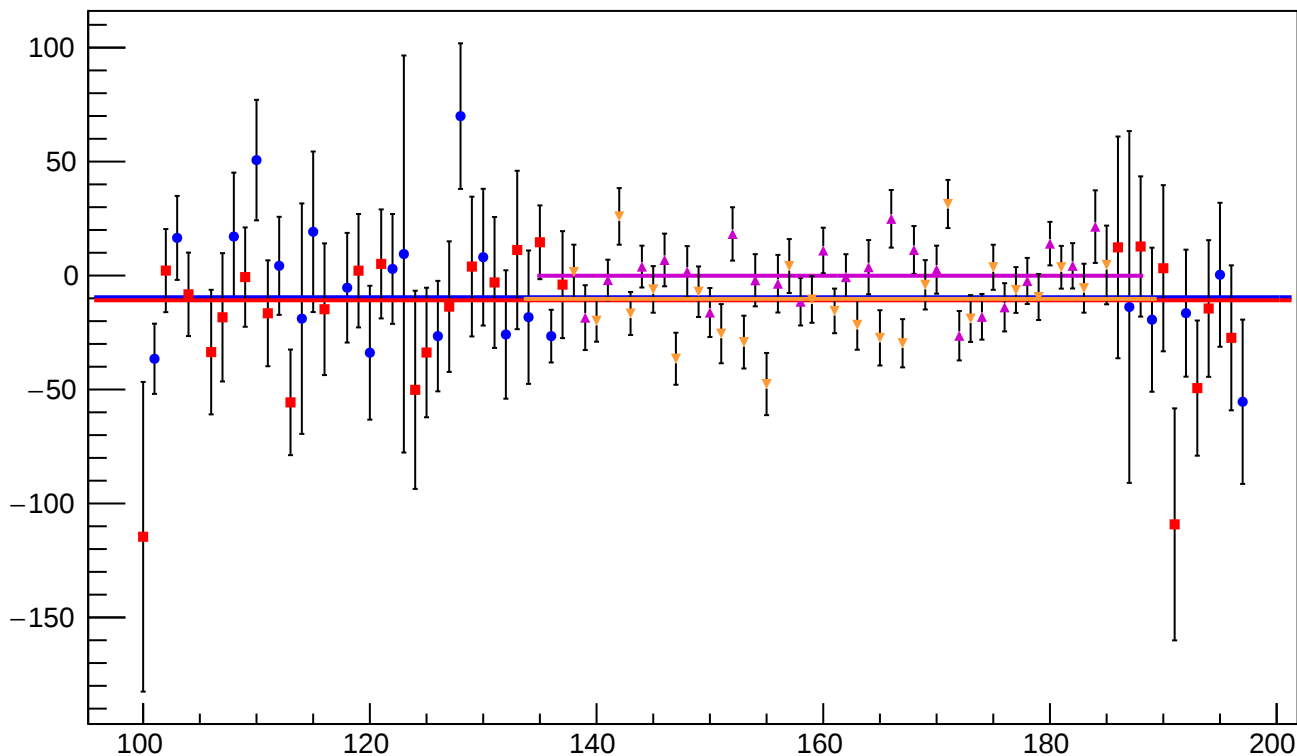


diff_bpm4aX_mean vs Slug



Right In: -9.518 ± 5.278

χ^2/NDF : 24.8/21

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -10.850 ± 5.215

χ^2/NDF : 19.8/25

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -10.134 ± 2.007

χ^2/NDF : 82.9/46

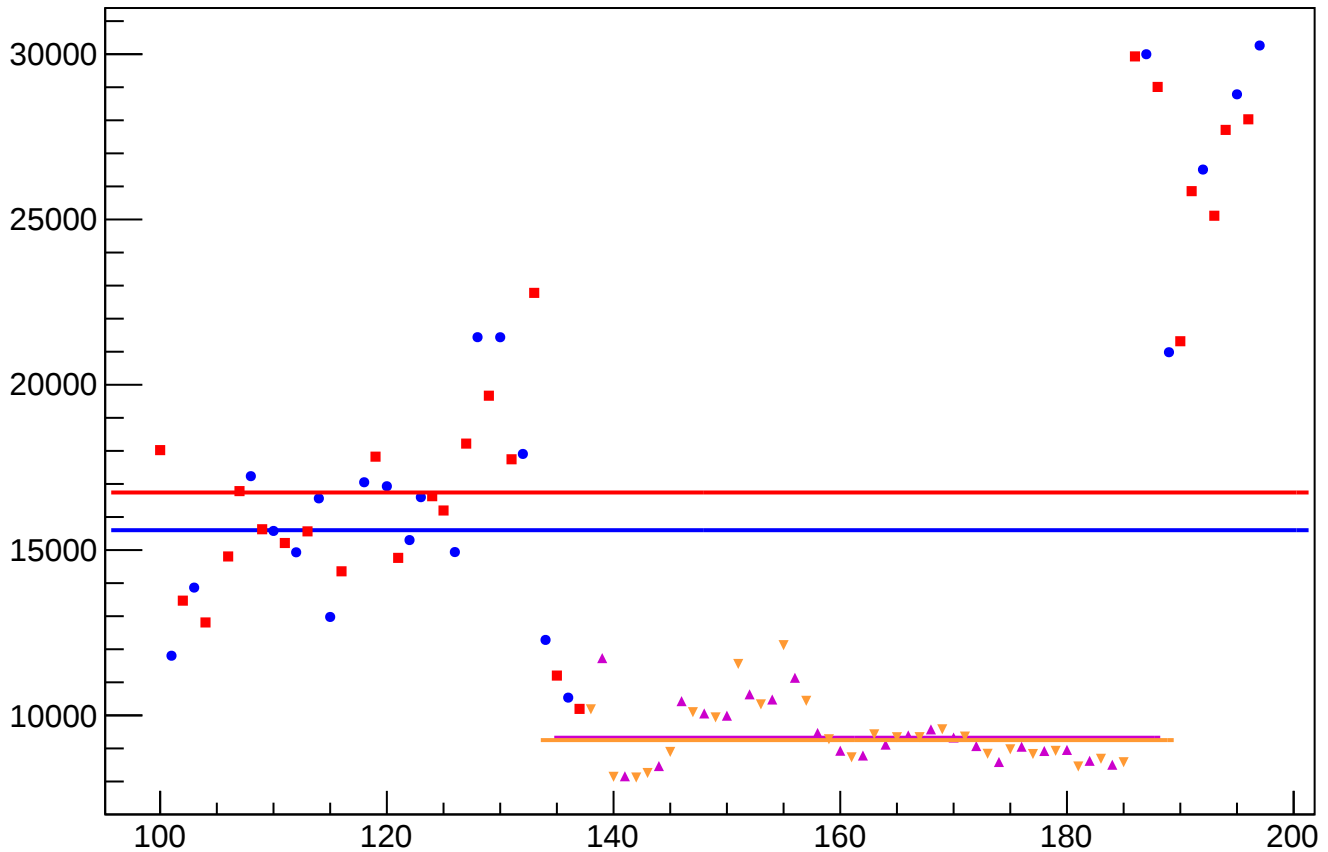
All: -6.074 ± 1.440

χ^2/NDF : 144.6/95

- sign -1.771 ± 2.066

χ^2/NDF : 53.3/48

diff_bpm4aX_rms vs Slug



Right In: 15601.478+/-3.732 χ^2/NDF : 1852783.1/21

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

Right Out: 16741.932+/-3.687 χ^2/NDF : 1934252.7/25

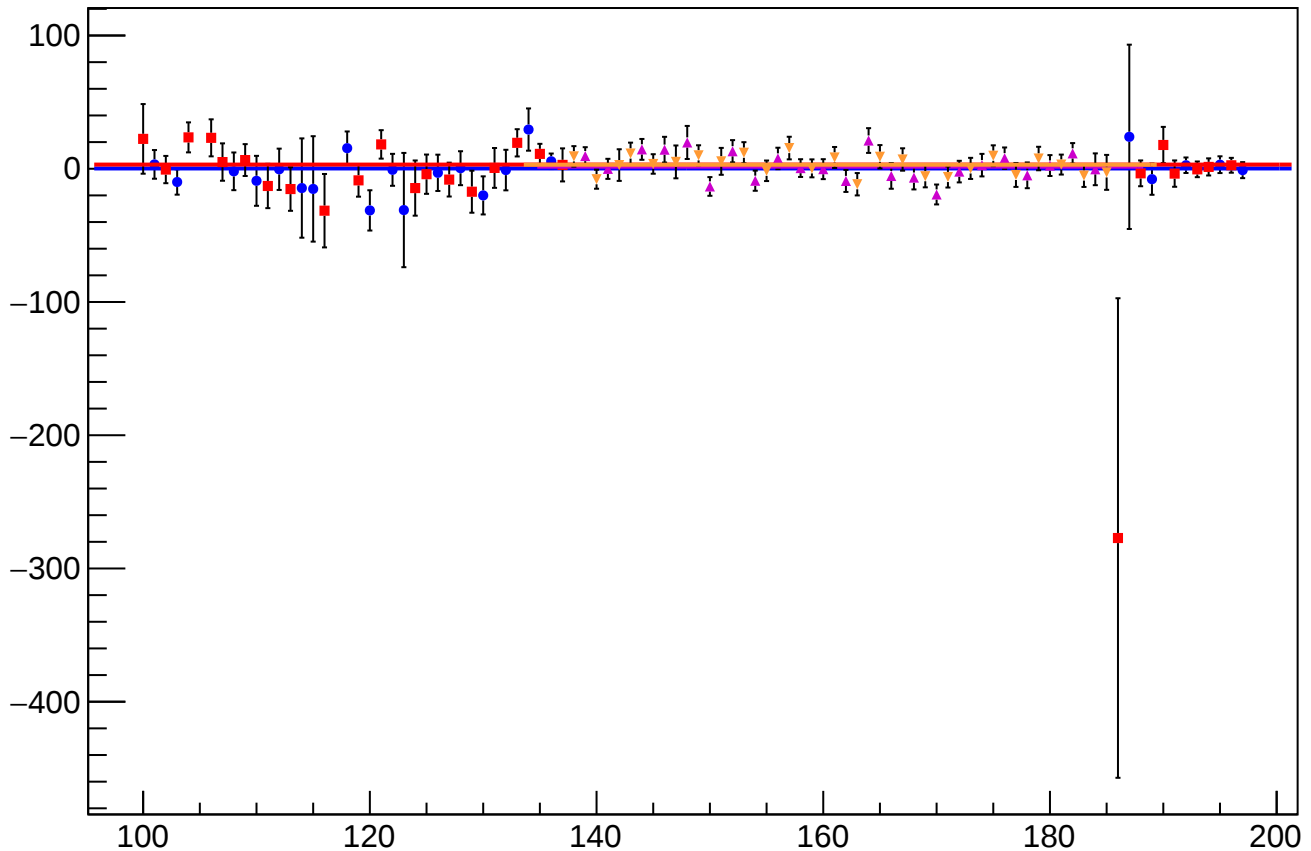
Left In: 9323.983+/-1.591 χ^2/NDF :275717.0/22

+ sign 10170.123+/-1.419 χ^2/NDF : 4661143.7/46

All: 10324.777+/-1.018 χ^2/NDF : 10307131.2

- sign 10488.680+/-1.461 χ^2/NDF : 5621530.2/48

diff_bpm4aY_mean vs Slug



Right In: 0.210 ± 2.261 χ^2/NDF : 15.5/21

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

Right Out: 3.129 ± 2.098 χ^2/NDF : 25.0/25

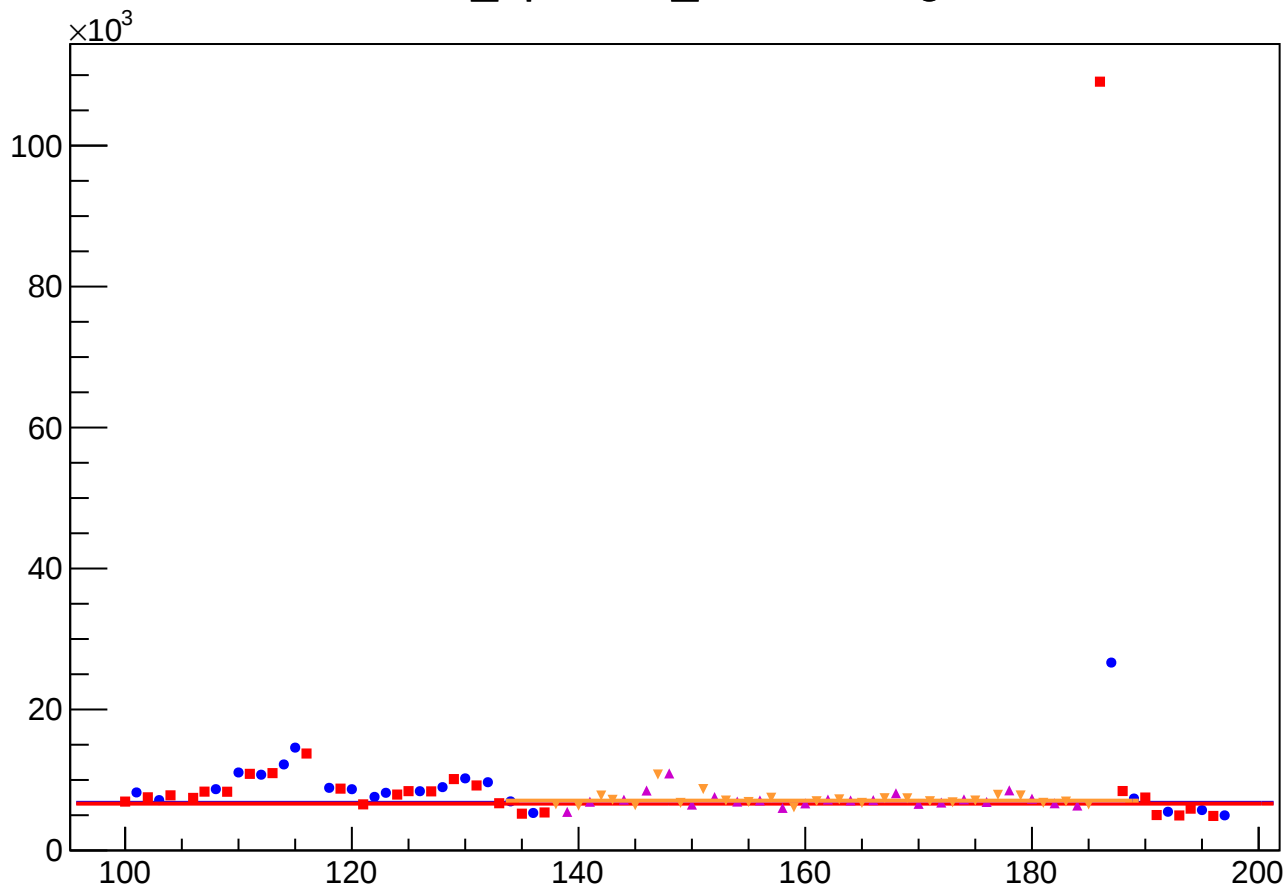
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

+ sign 2.040 ± 1.338 χ^2/NDF : 35.1/46

All: 2.121 ± 0.941 χ^2/NDF : 95.9/95

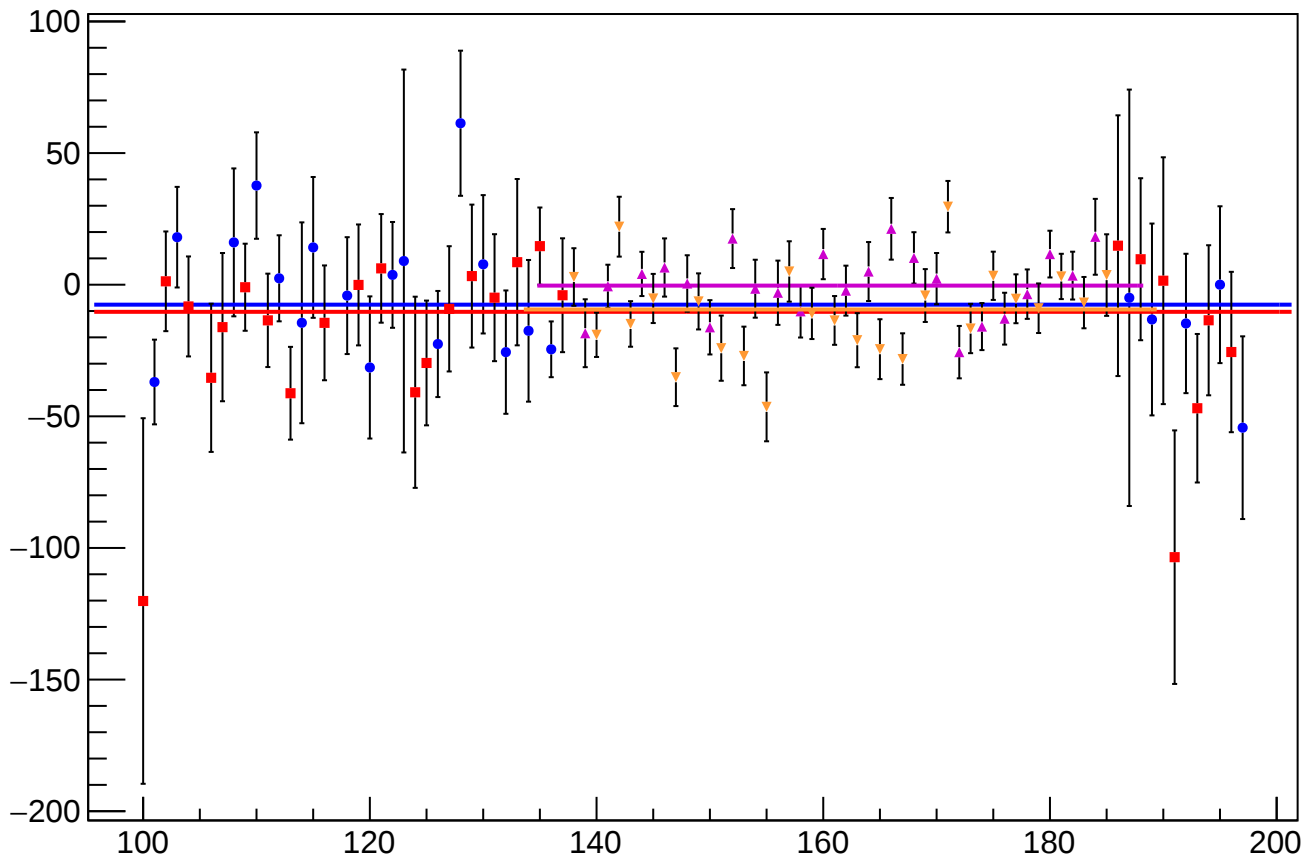
- sign 2.200 ± 1.322 χ^2/NDF : 60.8/48

diff_bpm4aY_rms vs Slug



Right In: 6755.436 ± 1.599 $\chi^2/\text{NDF}: 1438875.2/21$ + sign 6956.168 ± 0.946 $\chi^2/\text{NDF}: 1849960.9/46$
 Left Out: 7064.457 ± 1.174 $\chi^2/\text{NDF}: 386814.9/24$ All: 6911.362 ± 0.665 $\chi^2/\text{NDF}: 4478322.7/95$
 Right Out: 6644.494 ± 1.484 $\chi^2/\text{NDF}: 2061102.9/25$ - sign 6867.641 ± 0.935 $\chi^2/\text{NDF}: 2623933.0/48$
 Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

diff_bpm4eX_mean vs Slug



Right In: -7.582 ± 4.776 χ^2/NDF : 25.5/21

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

Right Out: -10.301 ± 4.674 χ^2/NDF : 19.5/25

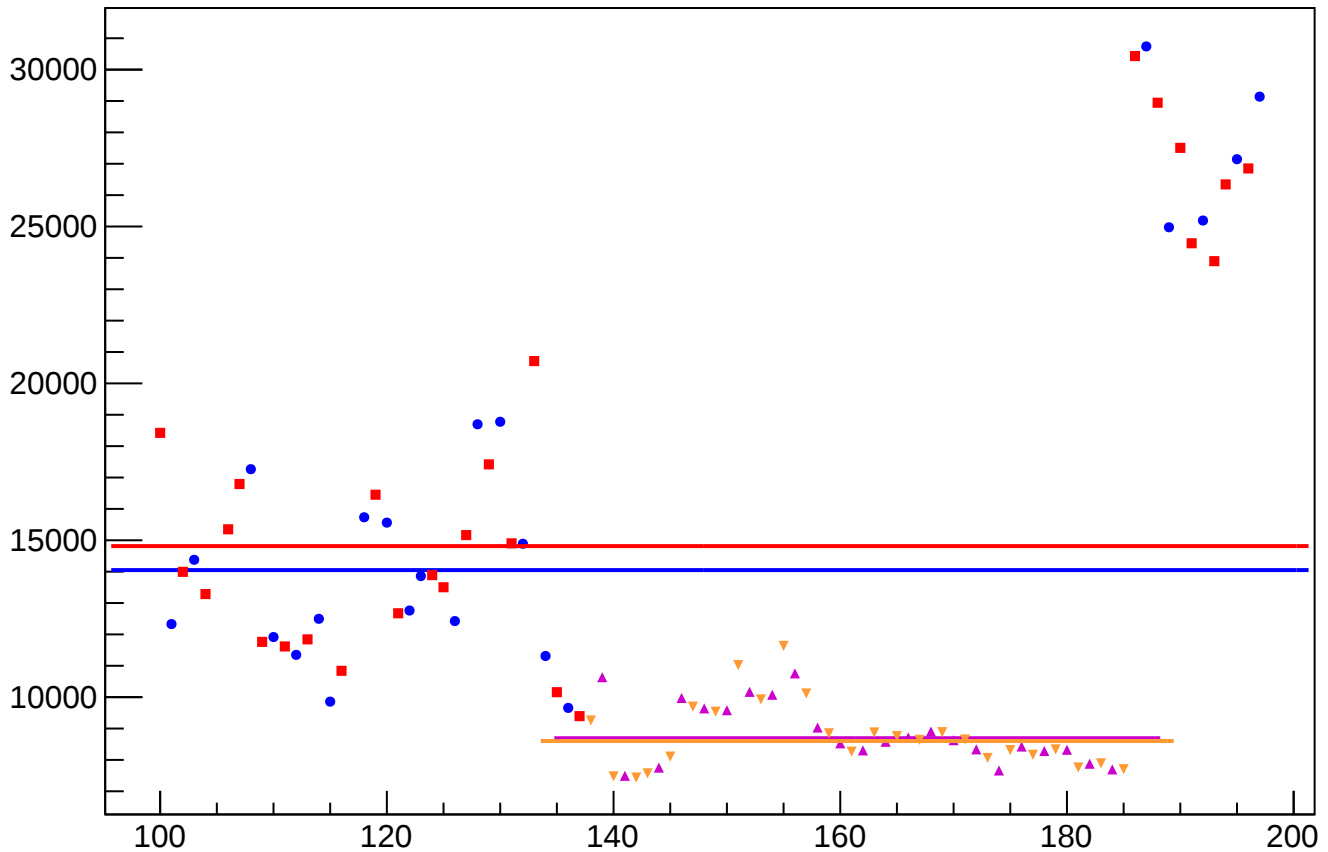
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.133 ± 1.861 χ^2/NDF : 84.4/46

All: -5.678 ± 1.335 χ^2/NDF : 144.7/95

- sign -2.017 ± 1.916 χ^2/NDF : 53.2/48

diff_bpm4eX_rms vs Slug



Right In: 14049.422+/-3.377 χ^2/NDF : 2094368.5/21

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

Right Out: 14813.894+/-3.305 χ^2/NDF : 2438111.1/25

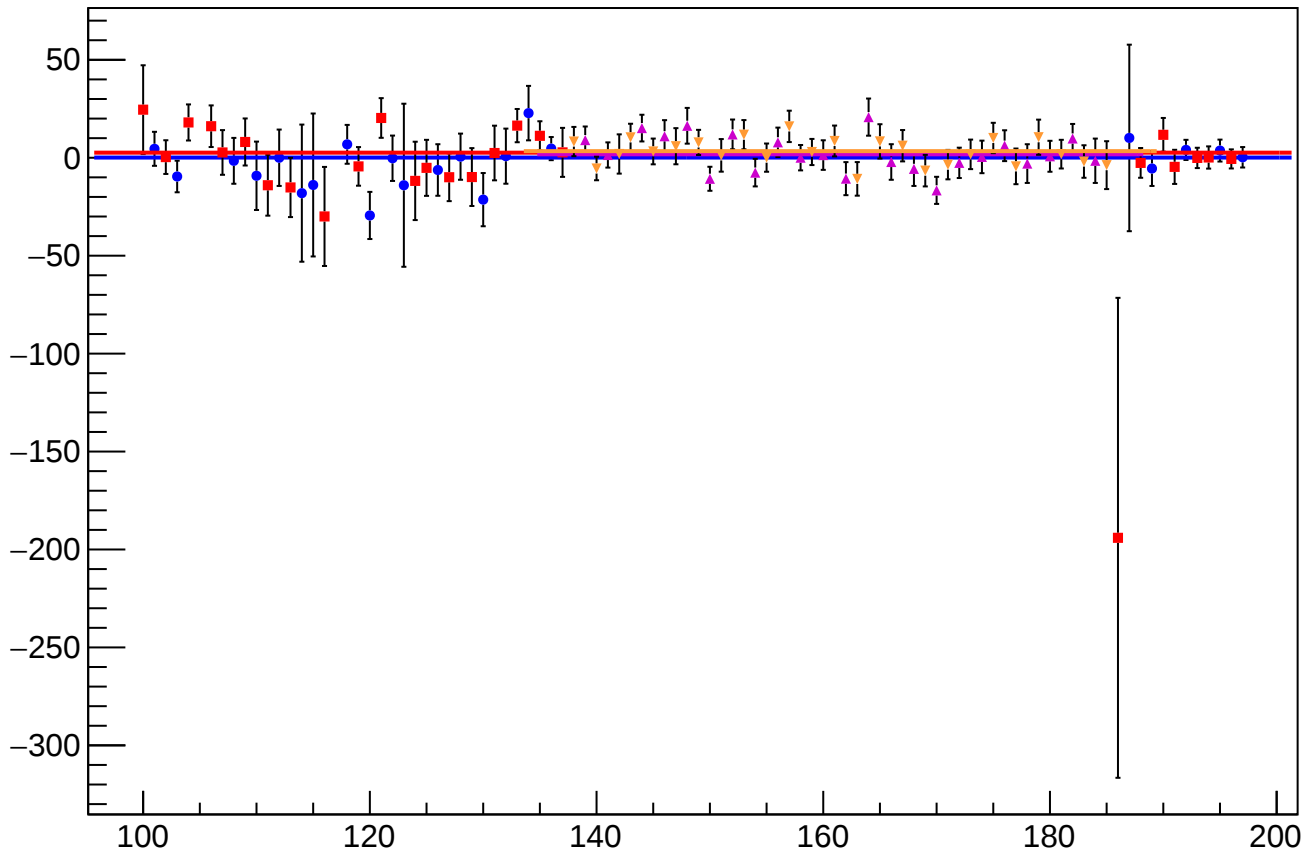
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9429.553+/-1.316 χ^2/NDF : 4739925.4/46

All: 9570.573+/-0.944 χ^2/NDF : 10422302.4/9

- sign 9720.007+/-1.355 χ^2/NDF : 5658728.5/48

diff_bpm4eY_mean vs Slug



Right In: 0.097 ± 2.010 χ^2/NDF : 16.5/21

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

Right Out: 2.601 ± 1.834 χ^2/NDF : 25.7/25

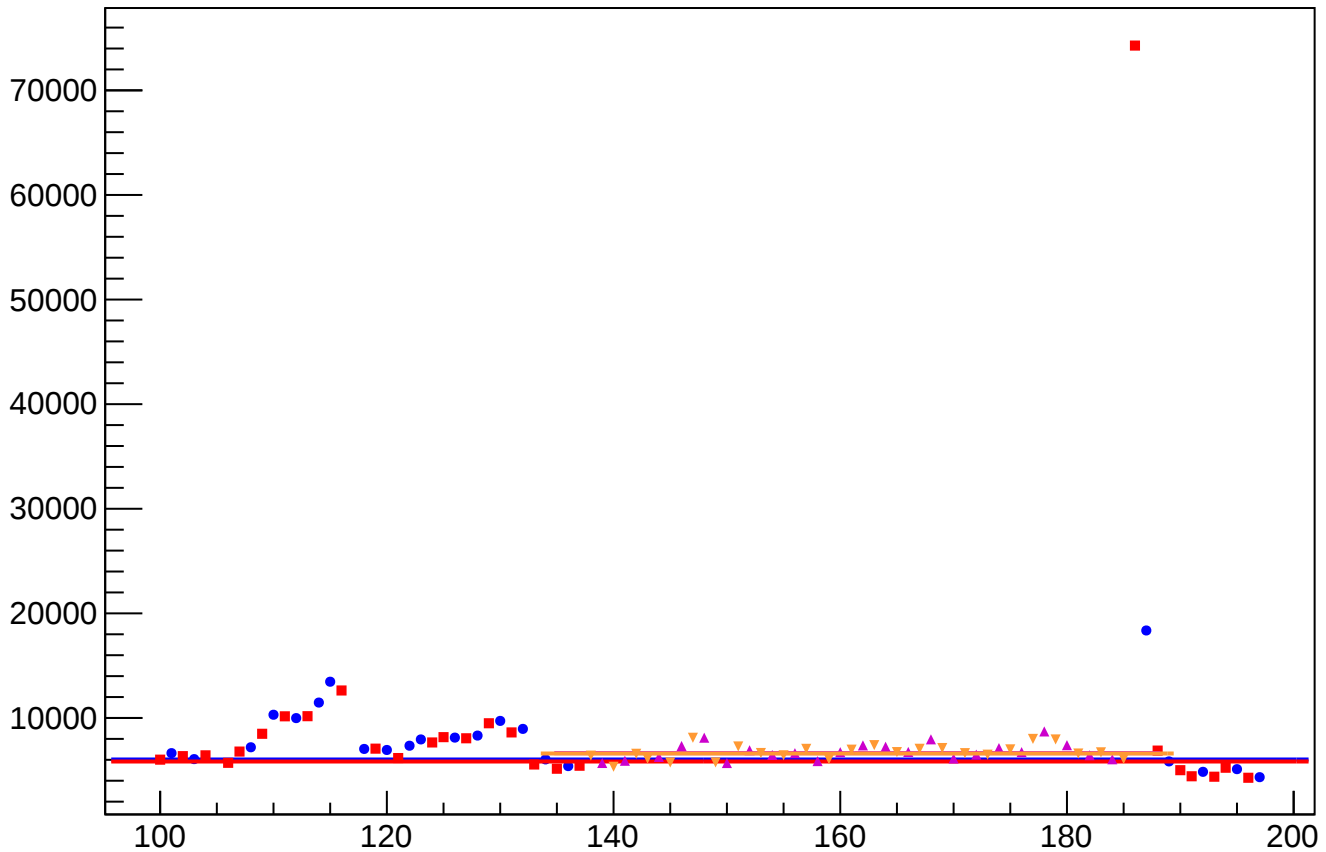
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.150 ± 1.228 χ^2/NDF : 35.3/46

All: 2.136 ± 0.862 χ^2/NDF : 94.6/95

- sign 2.123 ± 1.209 χ^2/NDF : 59.3/48

diff_bpm4eY_rms vs Slug



Right In: 6030.951 ± 1.421 $\chi^2/\text{NDF}: 1381806.1/21$

Left Out: 6603.953 ± 1.097 $\chi^2/\text{NDF}: 395247.5/24$

Right Out: 5837.933 ± 1.297 $\chi^2/\text{NDF}: 2097348.2/25$

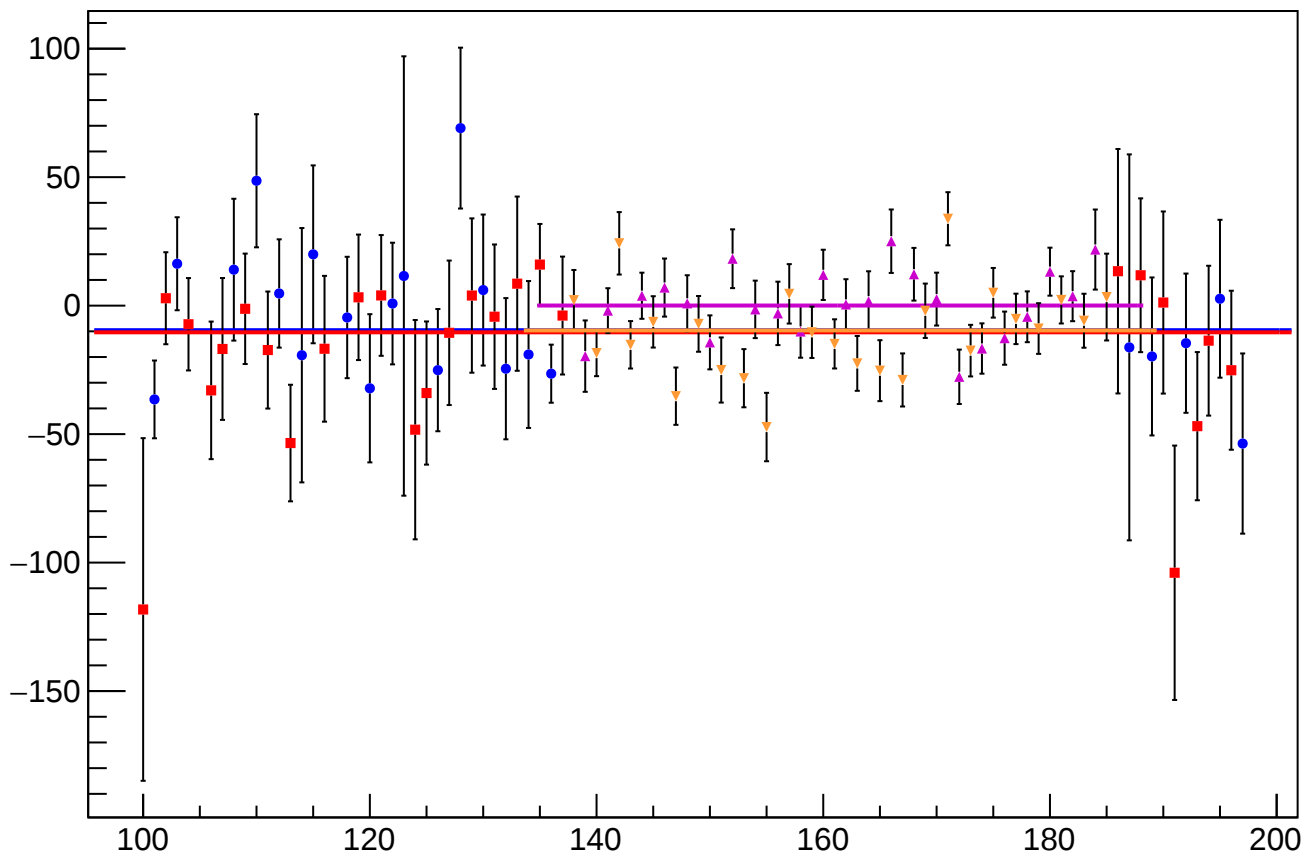
Left In: 6637.155 ± 1.136 $\chi^2/\text{NDF}: 415547.5/22$

+ sign 6389.988 ± 0.869 $\chi^2/\text{NDF}: 1878879.1/46$

All: 6339.229 ± 0.609 $\chi^2/\text{NDF}: 4613323.6/95$

- sign 6290.081 ± 0.855 $\chi^2/\text{NDF}: 2727722.8/48$

diff_bpm4acX_mean vs Slug



Right In: -9.559 ± 5.169 χ^2/NDF : 24.7/21

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

Right Out: -10.381 ± 5.106 χ^2/NDF : 19.9/25

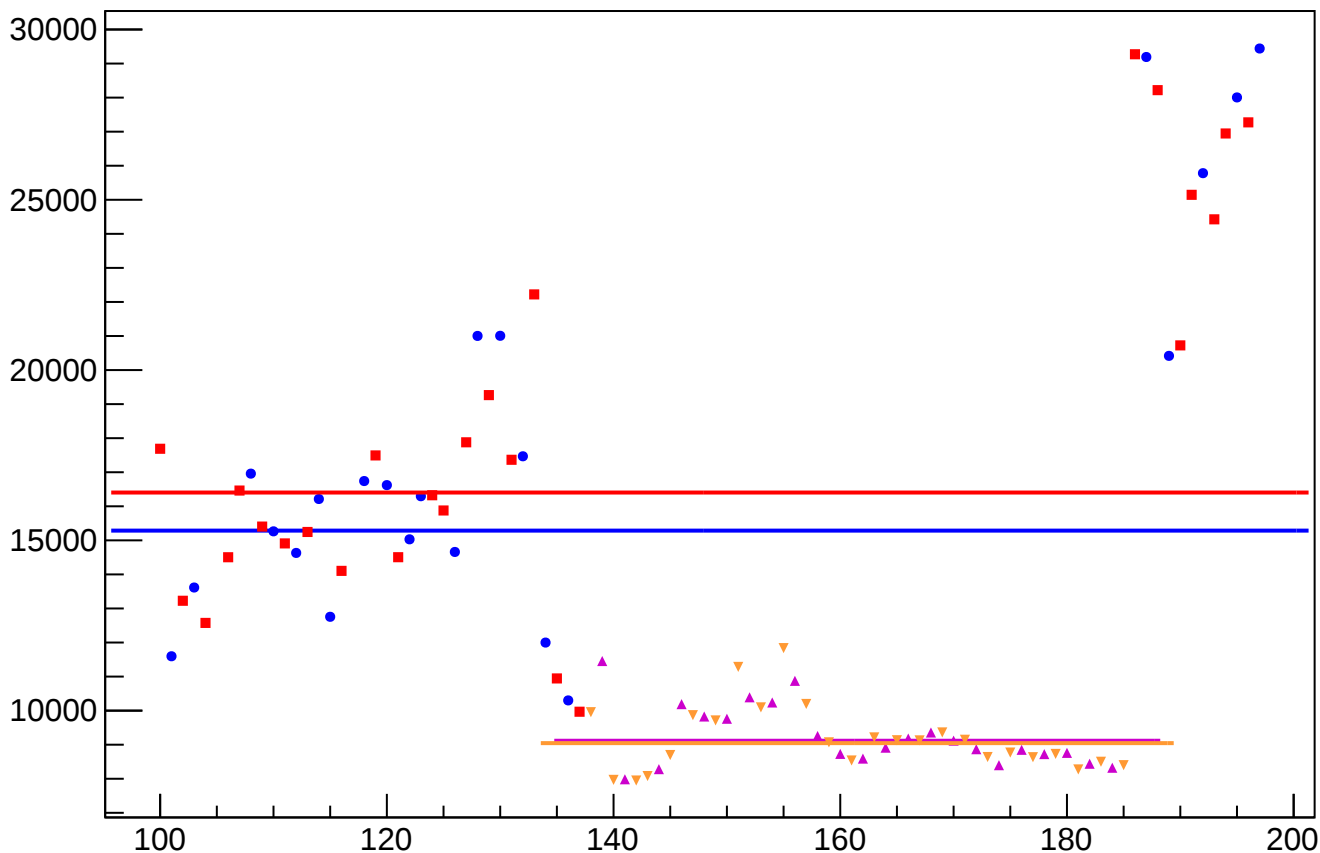
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.628 ± 1.963 χ^2/NDF : 84.6/46

All: -5.726 ± 1.408 χ^2/NDF : 146.9/95

- sign -1.590 ± 2.021 χ^2/NDF : 54.1/48

diff_bpm4acX_rms vs Slug



Right In: 15285.998+/-3.655 χ^2/NDF : 1834583.8/21

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

Right Out: 16404.252+/-3.611 χ^2/NDF : 1907598.2/25

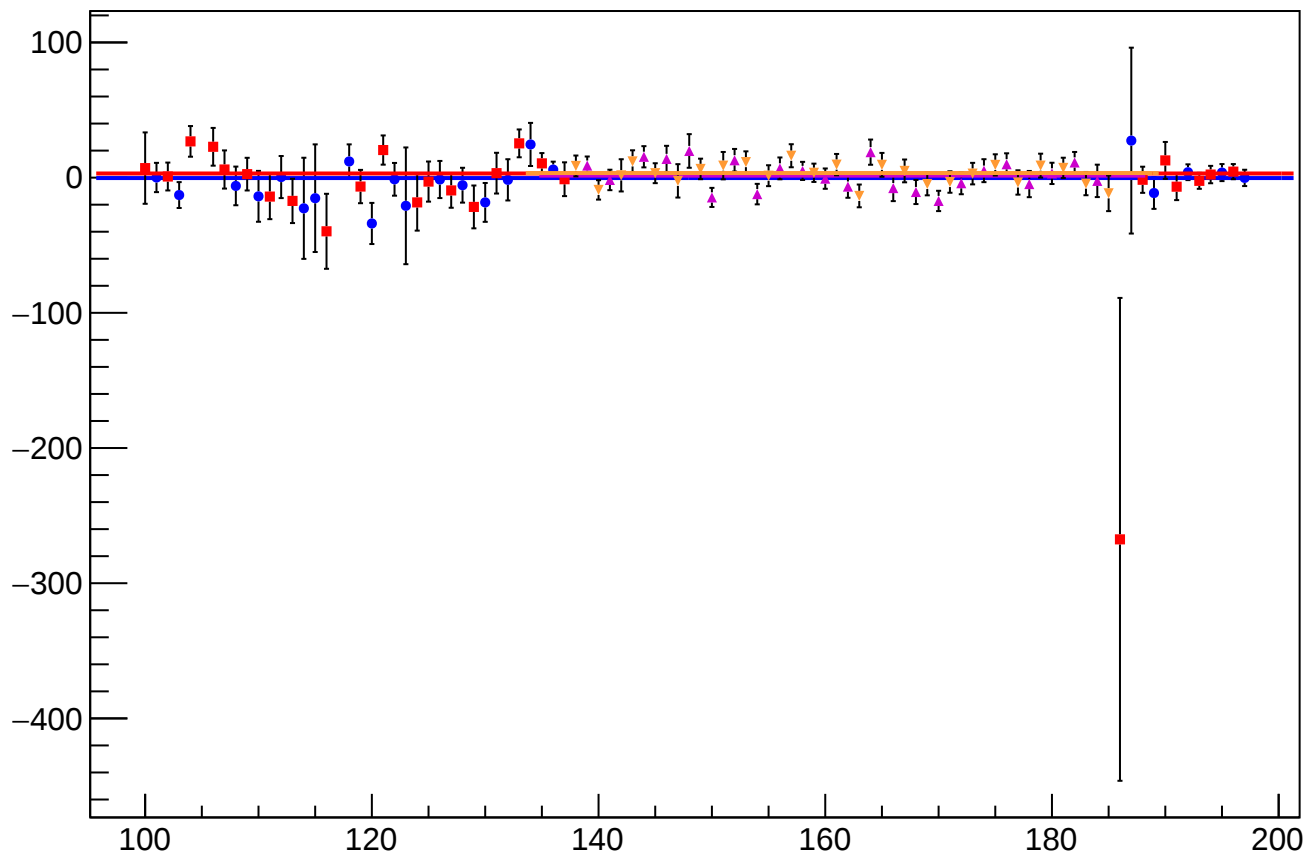
Left In: 9115.817+/-1.556 χ^2/NDF :272471.8/22

+ sign 9945.797+/-1.388 χ^2/NDF : 4657955.3/46

All: 10096.909+/-0.996 χ^2/NDF : 10299098.5

- sign 10257.047+/-1.429 χ^2/NDF : 5616726.3/48

diff_bpm4acY_mean vs Slug



Right In: -0.313 ± 2.273 $\chi^2/\text{NDF}: 16.3/21$

Left Out: 3.387 ± 1.668 $\chi^2/\text{NDF}: 19.4/24$

Right Out: 3.071 ± 2.109 $\chi^2/\text{NDF}: 29.9/25$

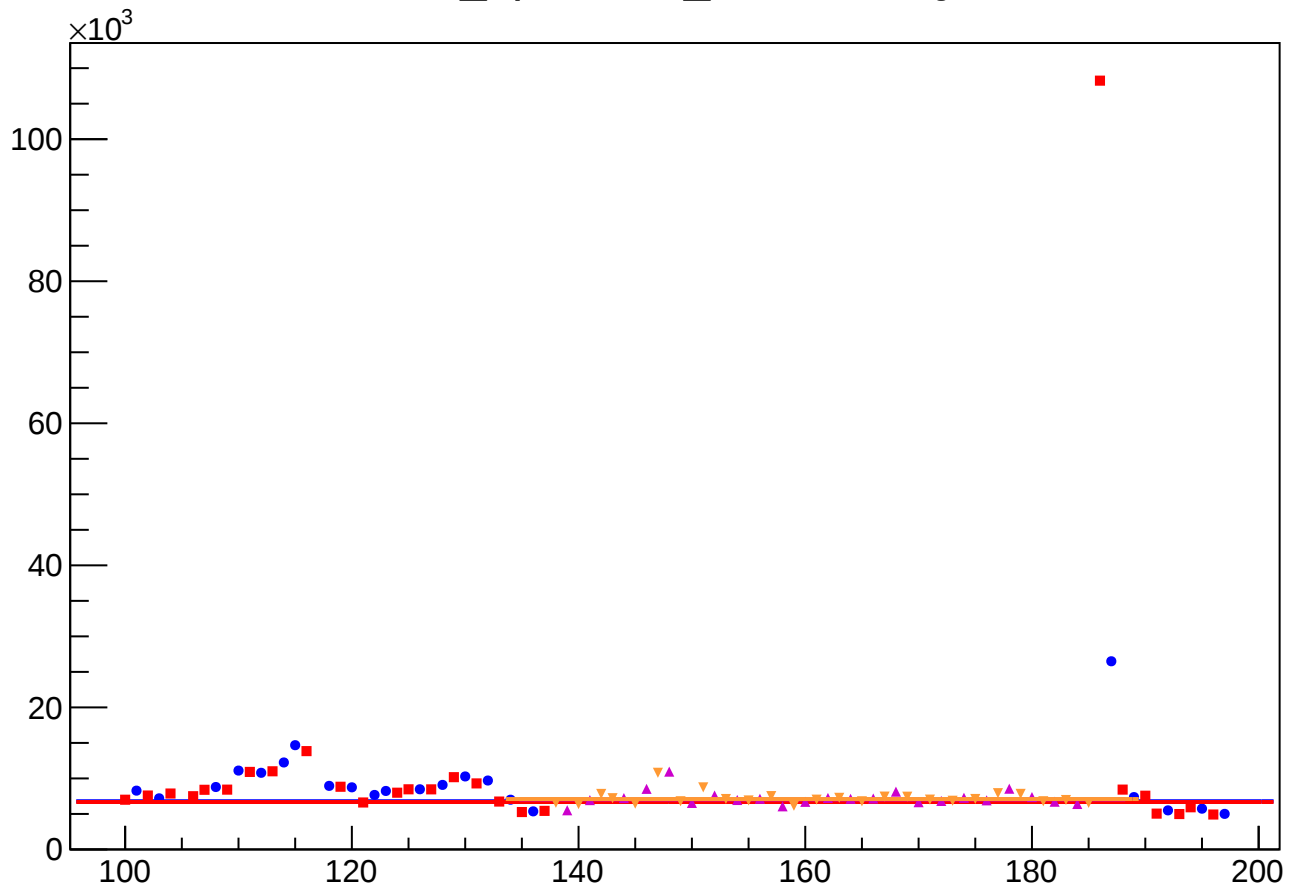
Left In: 1.479 ± 1.710 $\chi^2/\text{NDF}: 36.7/22$

+ sign 2.092 ± 1.345 $\chi^2/\text{NDF}: 37.4/46$

All: 2.101 ± 0.945 $\chi^2/\text{NDF}: 104.4/95$

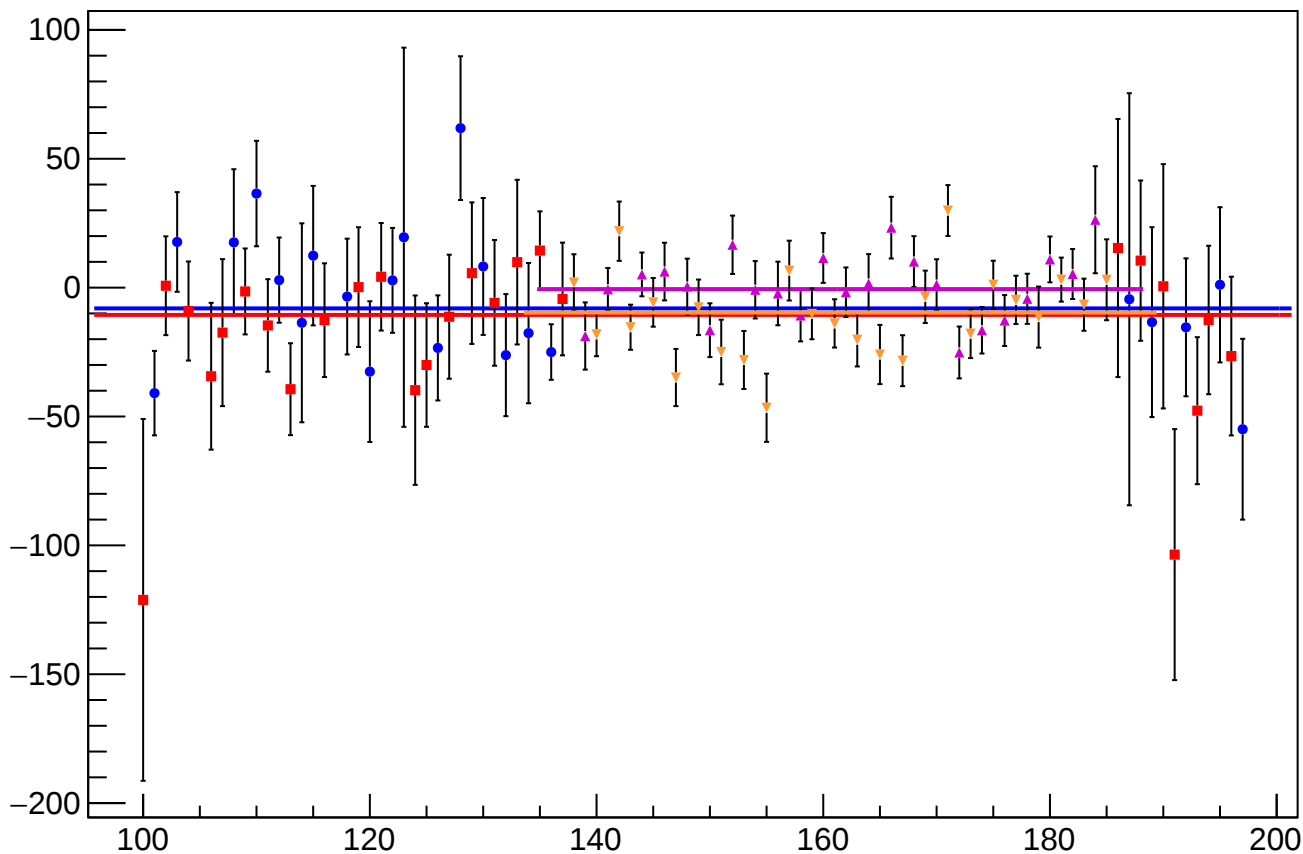
- sign 2.111 ± 1.328 $\chi^2/\text{NDF}: 67.0/48$

diff_bpm4acY_rms vs Slug



Right In: 6790.813 ± 1.607 $\chi^2/\text{NDF}: 1444139.5/21$ + sign 6989.400 ± 0.951 $\chi^2/\text{NDF}: 1849576.1/46$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 6945.205 ± 0.668 $\chi^2/\text{NDF}: 4472153.8/95$
 Right Out: 6681.162 ± 1.492 $\chi^2/\text{NDF}: 2064524.3/25$ - sign 6902.066 ± 0.939 $\chi^2/\text{NDF}: 2618308.1/48$
 Left In: 7047.269 ± 1.209 $\chi^2/\text{NDF}: 517433.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -8.056 ± 4.839 χ^2/NDF : 26.1/21

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

Right Out: -10.580 ± 4.738 χ^2/NDF : 18.5/25

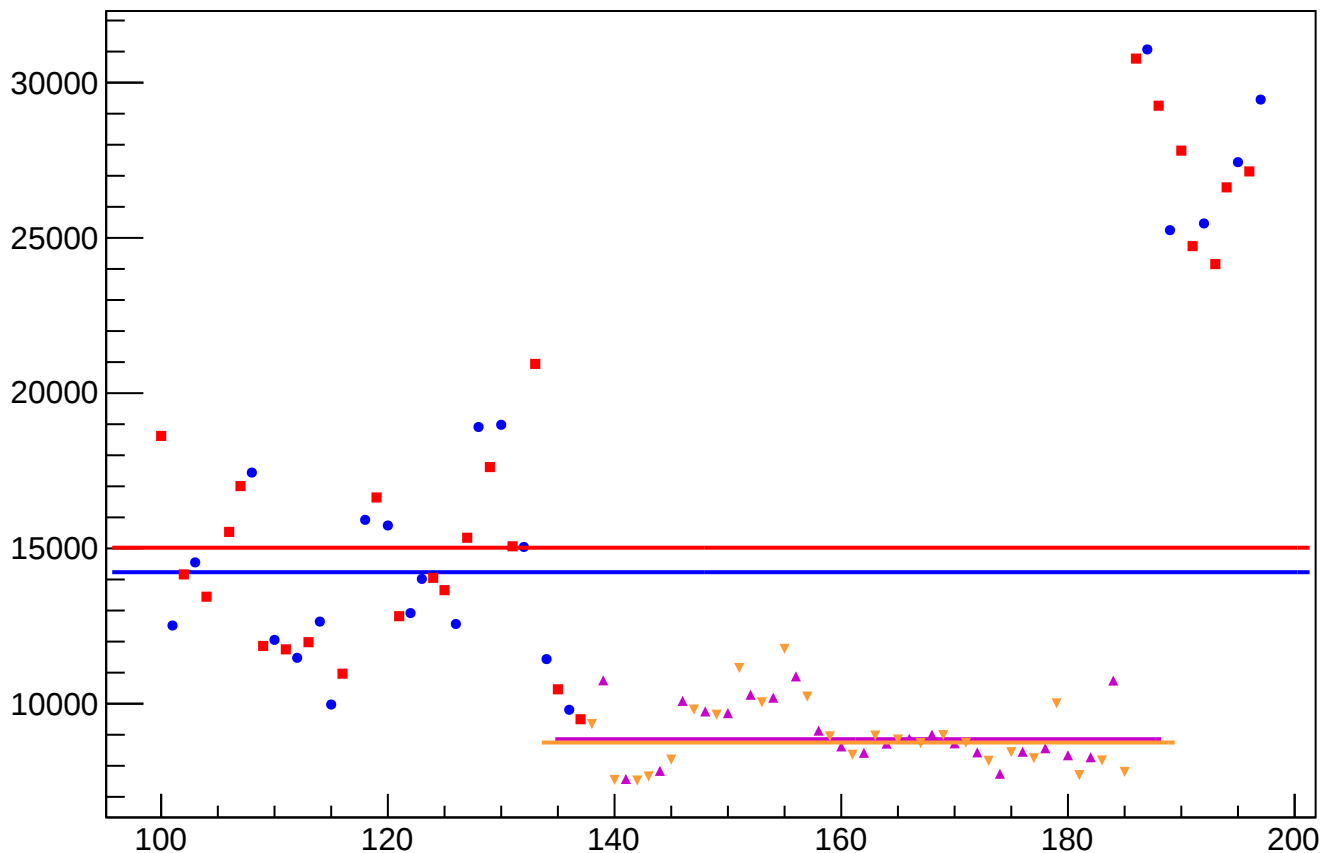
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.422 ± 1.896 χ^2/NDF : 84.1/46

All: -5.950 ± 1.360 χ^2/NDF : 143.0/95

- sign -2.265 ± 1.953 χ^2/NDF : 52.0/48

diff_bpm4ecX_rms vs Slug



Right In: 14234.588+/-3.421 χ^2/NDF : 2080968.8/21

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

Right Out: 15023.009+/-3.351 χ^2/NDF : 2412632.4/25

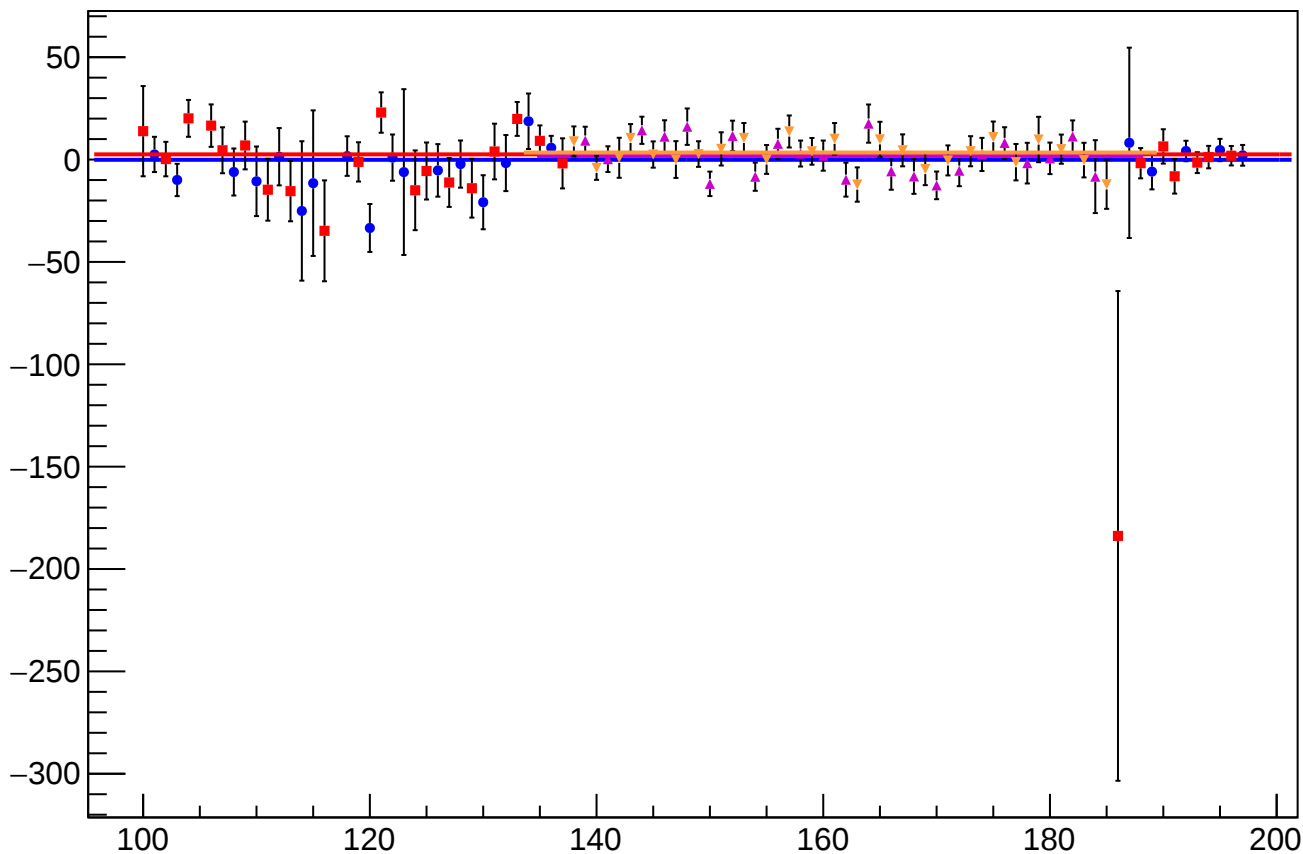
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9592.364+/-1.341 χ^2/NDF : 4719672.4/46

All: 9743.961+/-0.962 χ^2/NDF : 10331423.1/9

- sign 9904.849+/-1.381 χ^2/NDF : 5585391.3/48

diff_bpm4ecY_mean vs Slug



Right In: -0.117 ± 1.961 χ^2/NDF : 18.9/21

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

Right Out: 2.536 ± 1.792 χ^2/NDF : 30.1/25

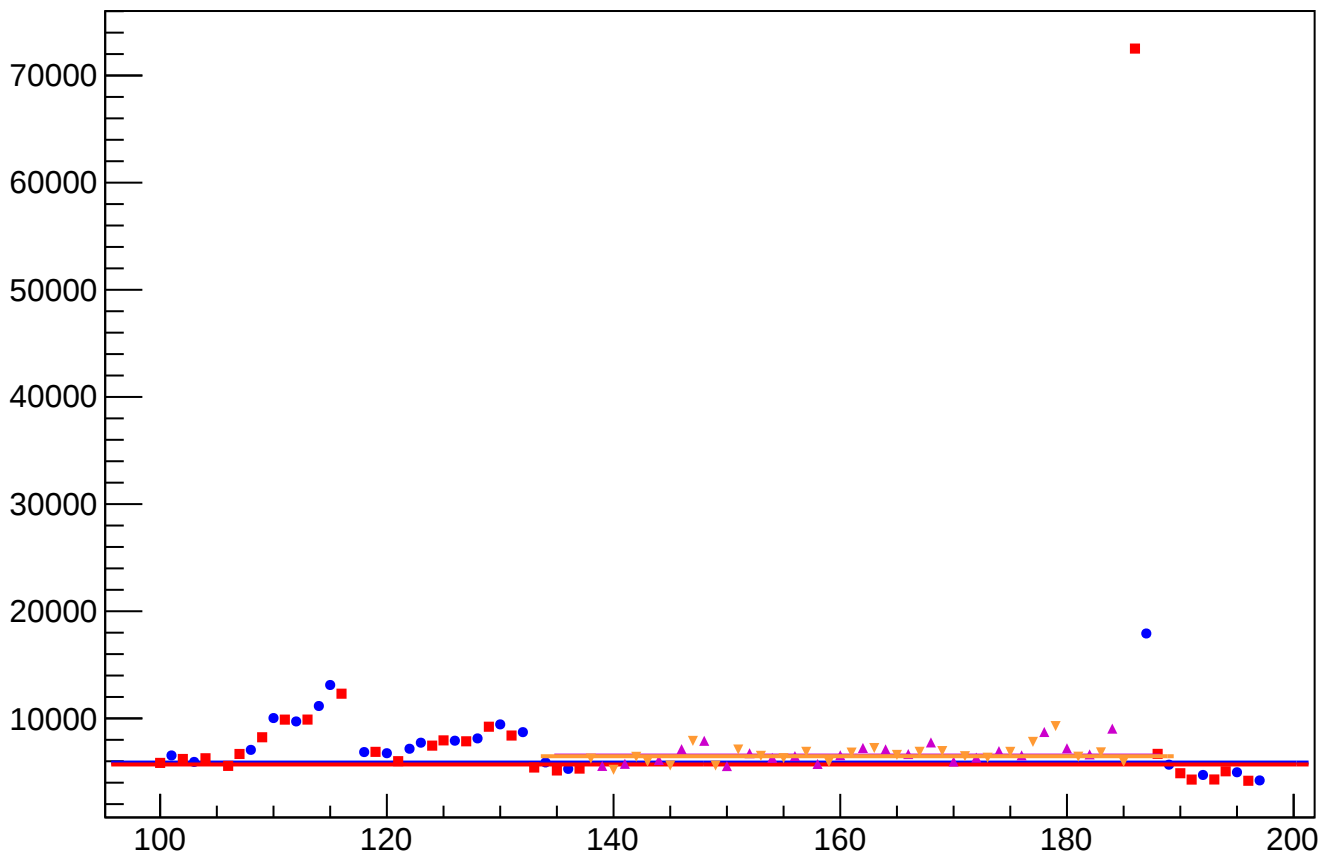
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.094 ± 1.204 χ^2/NDF : 37.2/46

All: 2.090 ± 0.846 χ^2/NDF : 100.9/95

- sign 2.086 ± 1.188 χ^2/NDF : 63.8/48

diff_bpm4ecY_rms vs Slug



Right In: 5878.361+/-1.387 χ^2/NDF : 1389772.9/21

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

Right Out: 5700.152+/-1.267 χ^2/NDF : 2083831.0/25

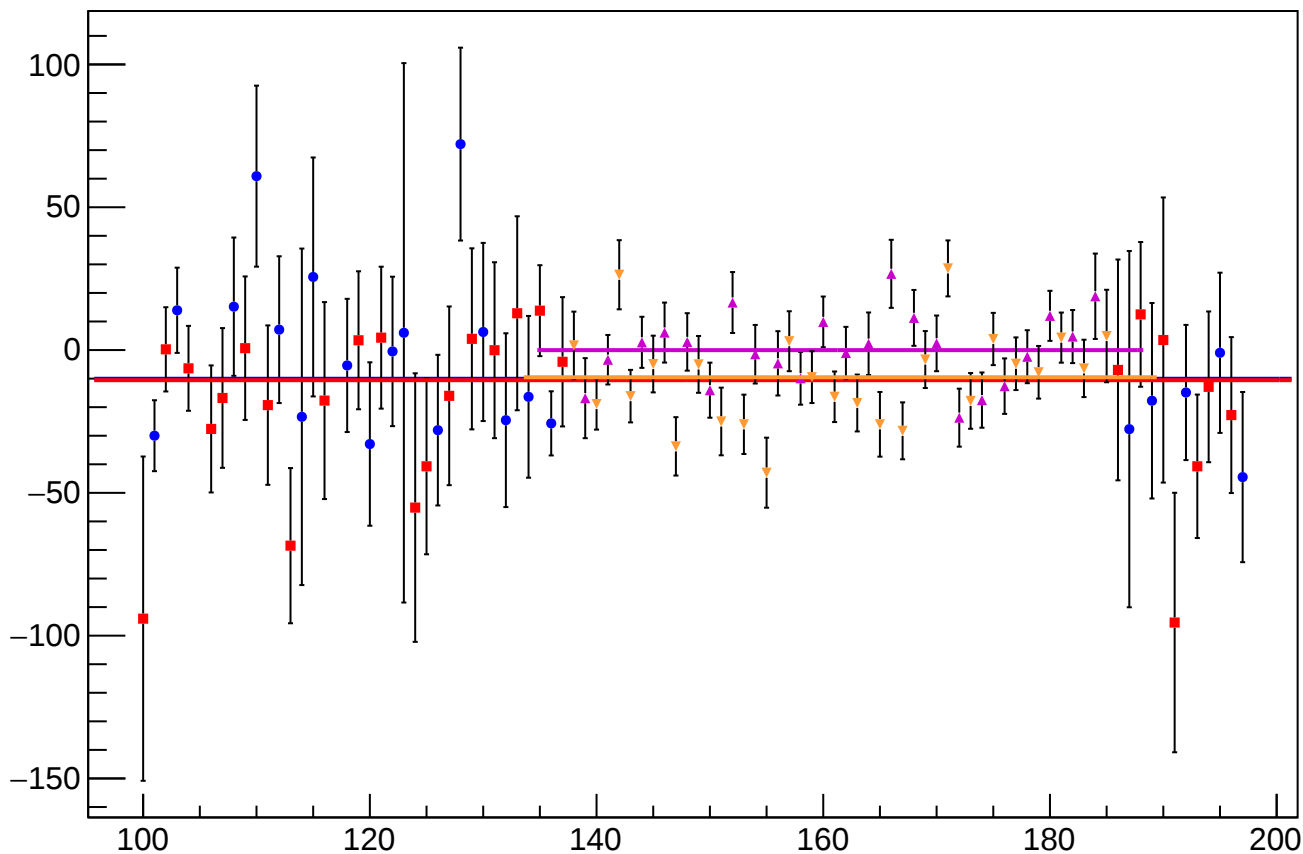
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6246.230+/-0.851 χ^2/NDF : 1989927.9/46

All: 6205.579+/-0.598 χ^2/NDF : 4784025.3/95

- sign 6166.043+/-0.840 χ^2/NDF : 2789601.3/48

diff_bpm1X_mean vs Slug



Right In: -10.054 ± 5.027 χ^2/NDF : 23.8/21

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

Right Out: -10.554 ± 4.979 χ^2/NDF : 20.2/25

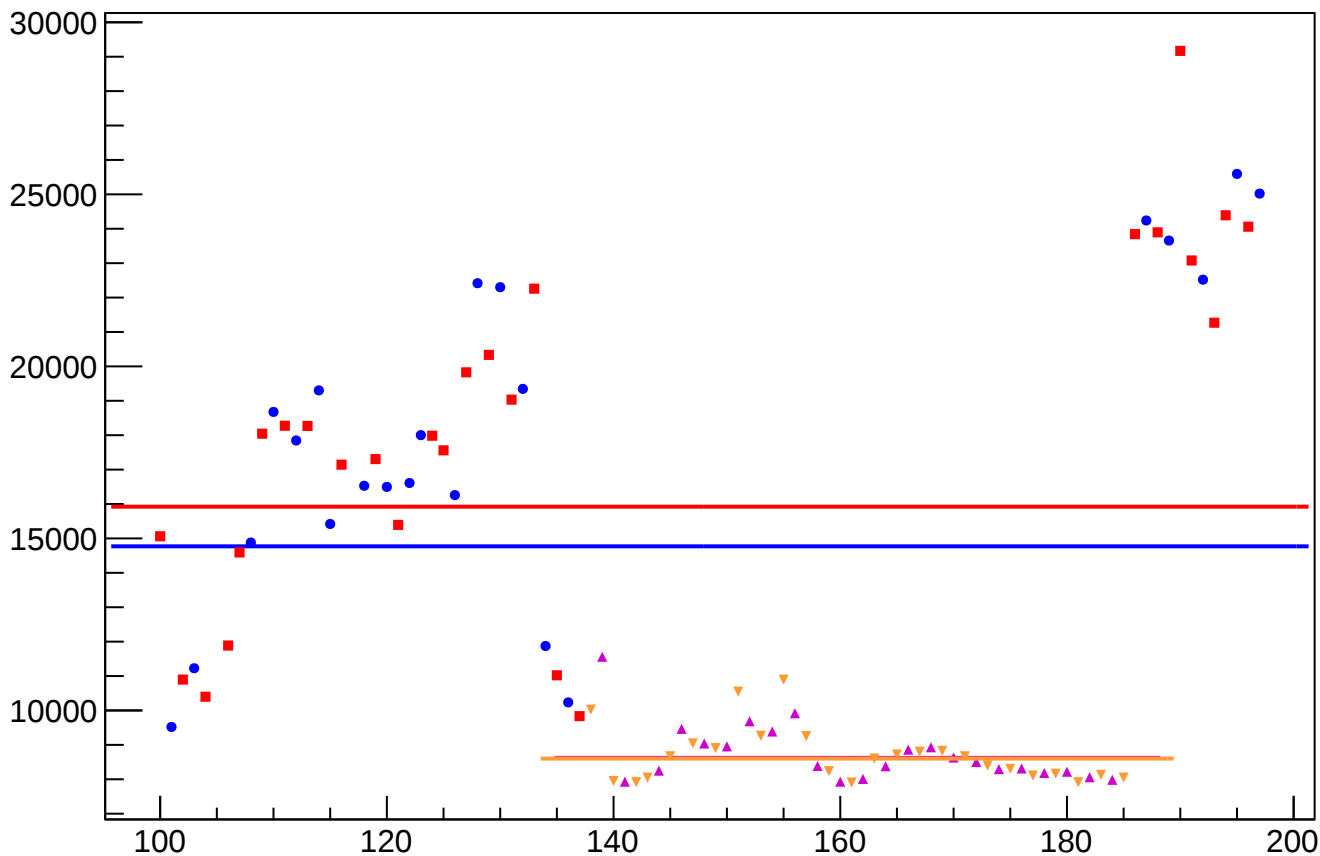
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.601 ± 1.871 χ^2/NDF : 83.4/46

All: -5.699 ± 1.340 χ^2/NDF : 146.2/95

- sign -1.591 ± 1.919 χ^2/NDF : 53.9/48

diff_bpm1X_rms vs Slug



Right In: 14770.059+/-3.555 χ^2/NDF : 2120268.9/21

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

Right Out: 15922.554+/-3.521 χ^2/NDF : 2084299.5/25

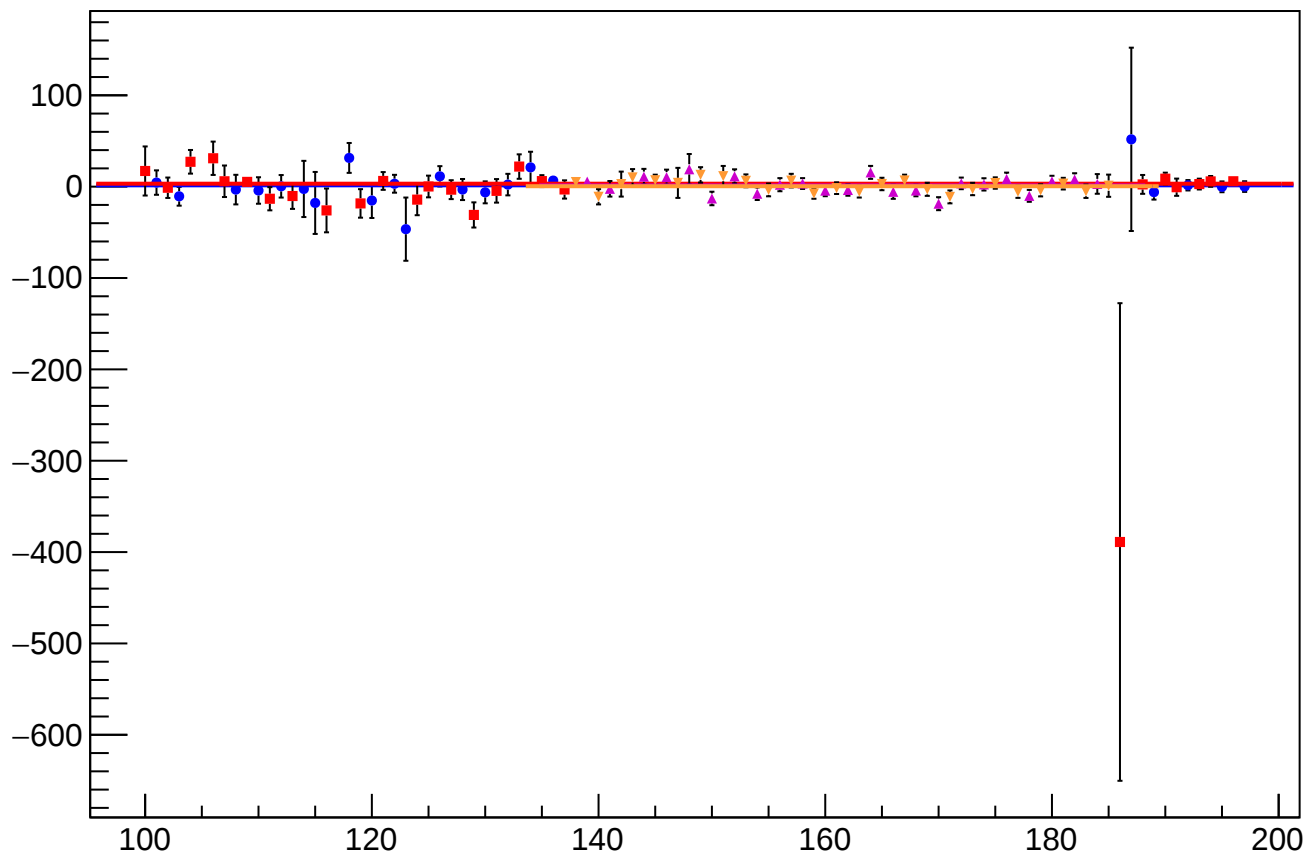
Left In: 8621.975+/-1.471 χ^2/NDF : 230824.4/22

+ sign 9455.921+/-1.323 χ^2/NDF : 4963287.8/46

All: 9578.071+/-0.947 χ^2/NDF : 10957103.8/9

- sign 9706.651+/-1.357 χ^2/NDF : 5976309.6/48

diff_bpm1Y_mean vs Slug



Right In: 1.460 $\pm$ 2.062 χ^2 /NDF: 13.3/21

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

Right Out: 3.232 $\pm$ 1.817 χ^2 /NDF: 26.6/25

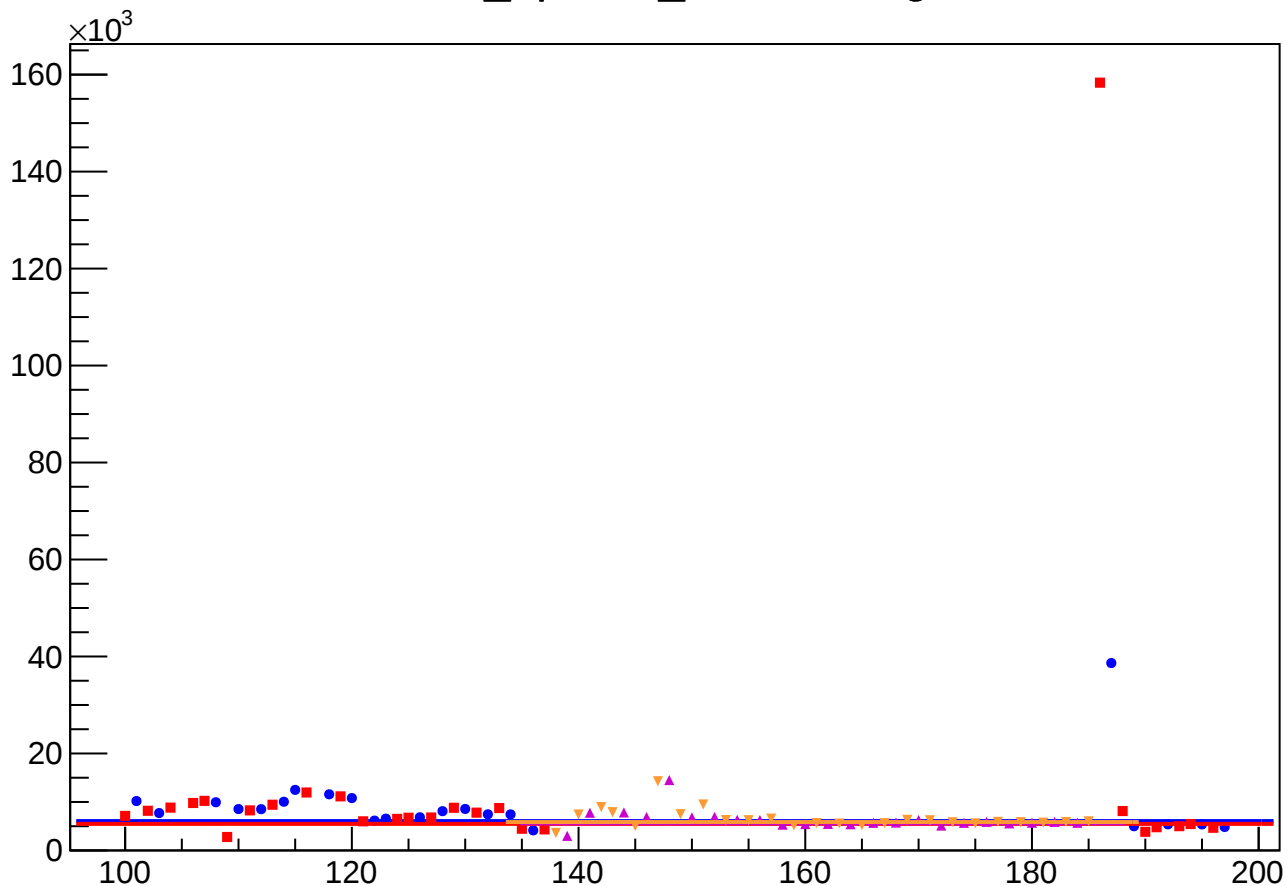
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

+ sign 0.795 $\pm$ 1.169 χ^2 /NDF: 33.0/46

All: 1.440 $\pm$ 0.806 χ^2 /NDF: 94.0/95

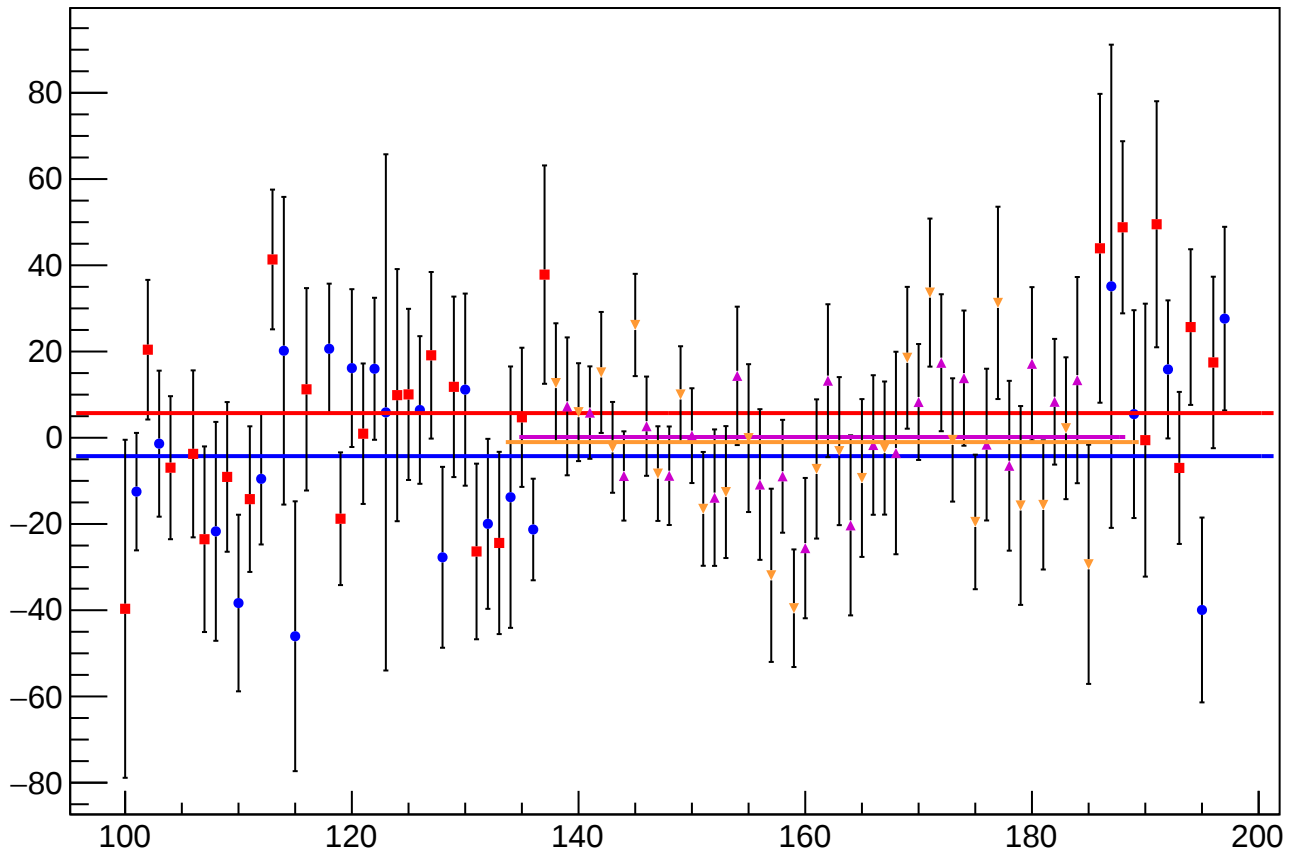
- sign 2.023 $\pm$ 1.112 χ^2 /NDF: 60.4/48

diff_bpm1Y_rms vs Slug



Right In: 6053.197 ± 1.458 $\chi^2/\text{NDF}: 1895151.6/21$ + sign 5921.180 ± 0.827 $\chi^2/\text{NDF}: 3598577.0/46$
 Left Out: 5858.642 ± 1.004 $\chi^2/\text{NDF}: 1691344.1/24$ All: 5728.308 ± 0.570 $\chi^2/\text{NDF}: 9126909.5/95$
 Right Out: 5481.958 ± 1.285 $\chi^2/\text{NDF}: 3329895.9/25$ - sign 5553.818 ± 0.786 $\chi^2/\text{NDF}: 5424651.0/48$
 Left In: 5596.879 ± 0.994 $\chi^2/\text{NDF}: 2089750.1/22$

diff_bpm11X_mean vs Slug



Right In: -4.261 ± 4.111 χ^2/NDF : 23.7/21

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

Right Out: 5.719 ± 3.880 χ^2/NDF : 31.5/25

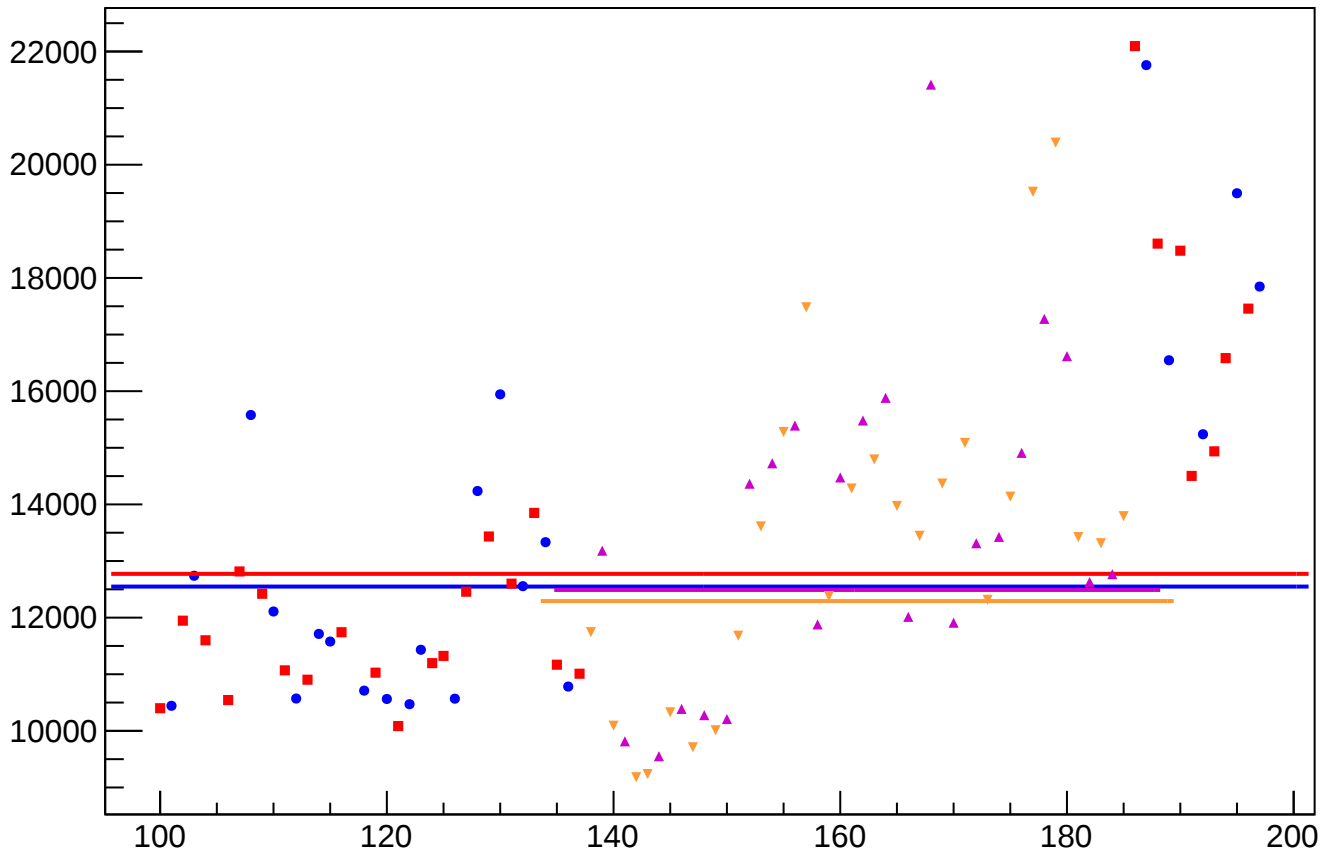
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -2.109 ± 2.392 χ^2/NDF : 57.6/46

All: 0.085 ± 1.697 χ^2/NDF : 104.4/95

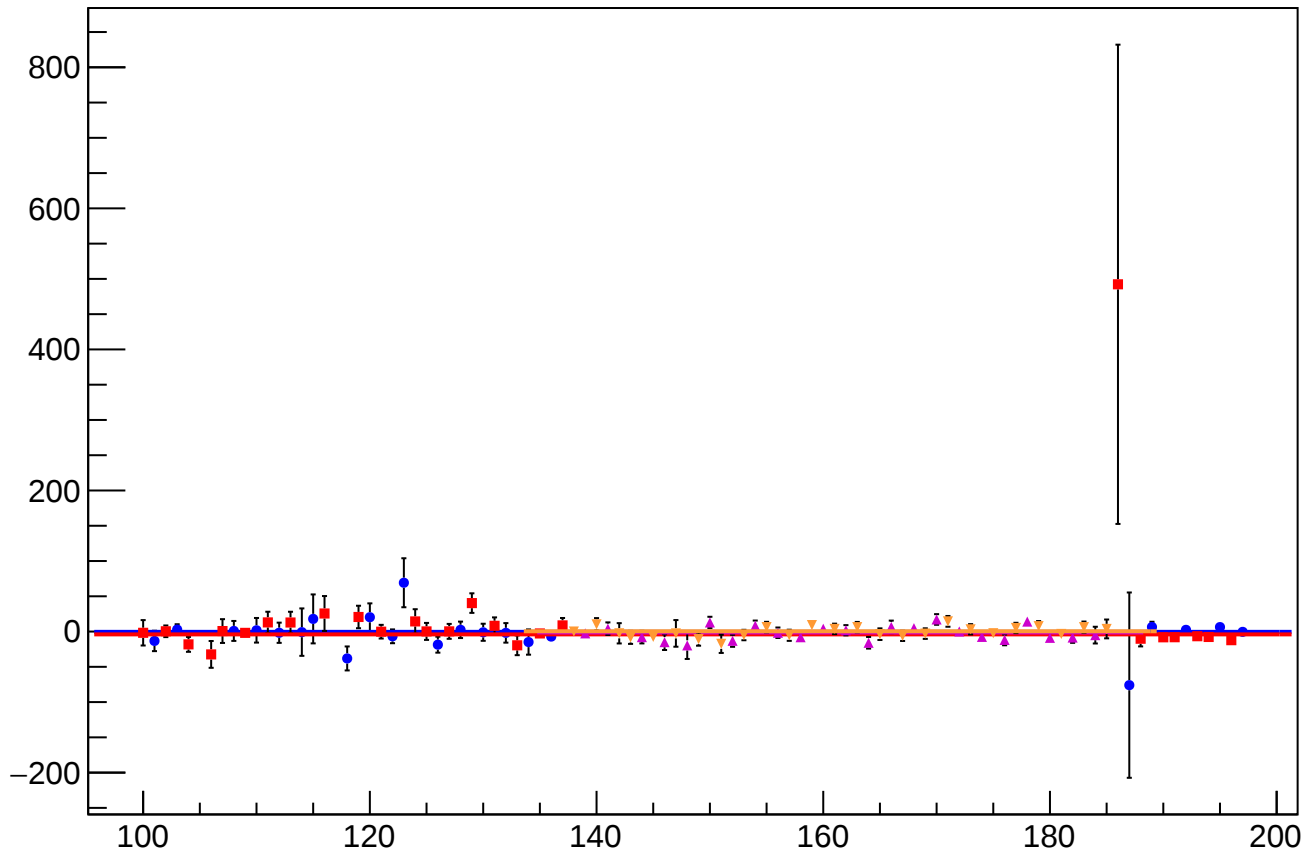
- sign 2.305 ± 2.406 χ^2/NDF : 45.1/48

diff_bpm11X_rms vs Slug



Right In: 12548.775 $\pm$ 2.907	χ^2 /NDF: 831940.5/21	+ sign 12379.326 $\pm$ 1.692	χ^2 /NDF: 2339625.5/46
Left Out: 12292.583 $\pm$ 2.080	χ^2 /NDF: 1502548.3/24	All: 12488.134 $\pm$ 1.200	χ^2 /NDF: 4552778.2/9
Right Out: 12773.303 $\pm$ 2.744	χ^2 /NDF: 843728.0/25	- sign 12598.219 $\pm$ 1.701	χ^2 /NDF: 2204829.5/48
Left In: 12488.821 $\pm$ 2.169	χ^2 /NDF: 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: -0.421 ± 1.903 χ^2/NDF : 20.5/21

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

Right Out: -4.008 ± 1.695 χ^2/NDF : 33.2/25

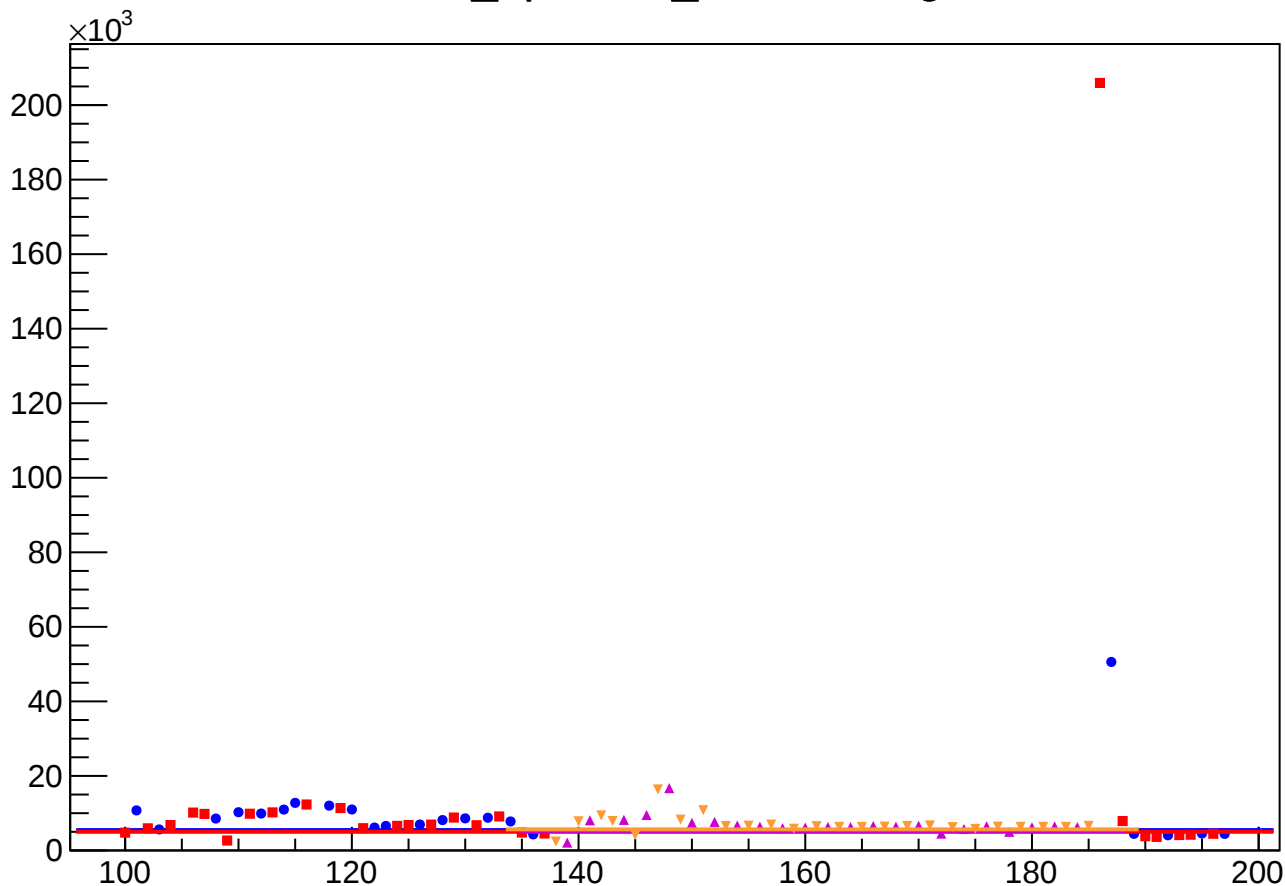
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign 0.109 ± 1.146 χ^2/NDF : 39.9/46

All: -1.213 ± 0.783 χ^2/NDF : 111.2/95

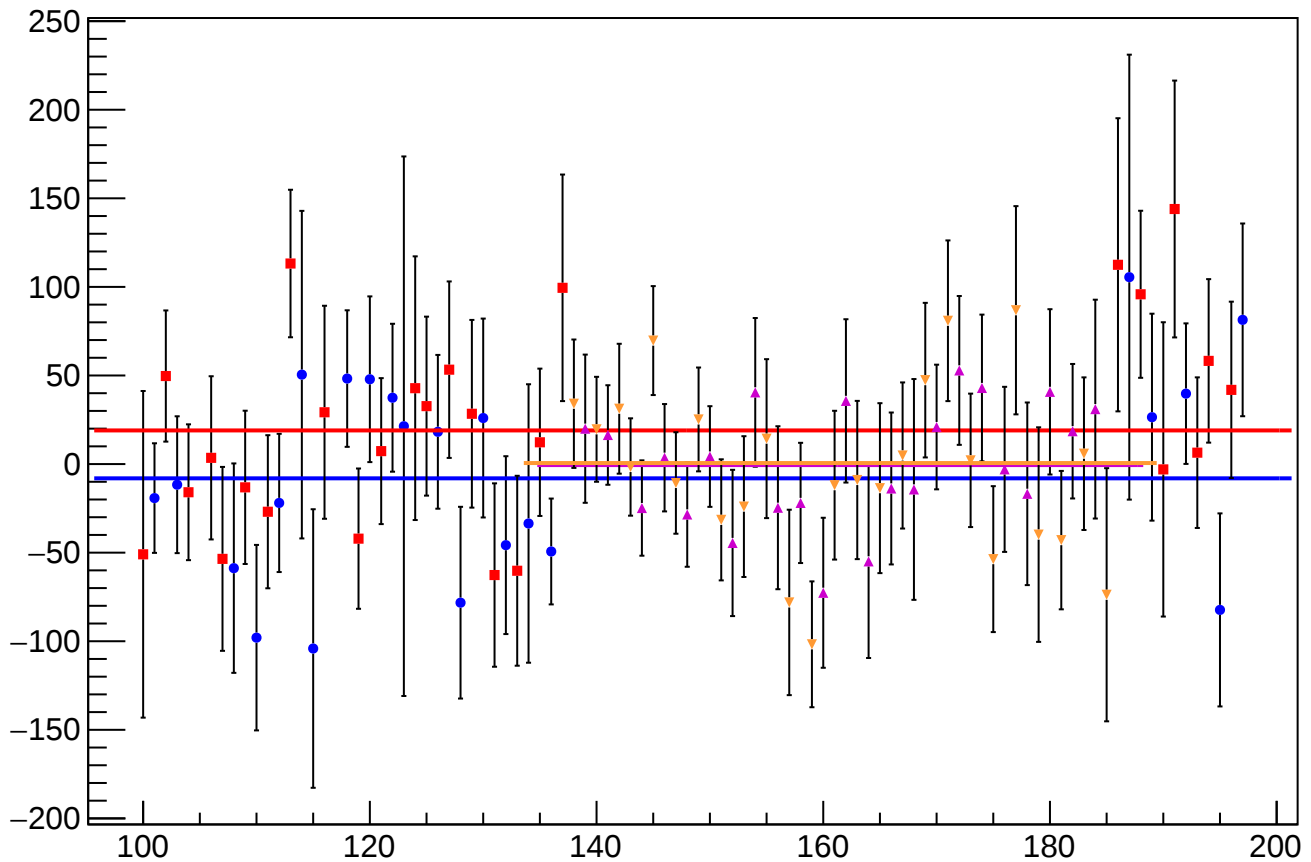
- sign -2.372 ± 1.073 χ^2/NDF : 68.7/48

diff_bpm11Y_rms vs Slug



Right In: 5464.878+/-1.346	χ^2/NDF : 2483266.0/21	+ sign 5586.508+/-0.810	χ^2/NDF : 6620205.9/46
Left Out: 5655.639+/-1.014	χ^2/NDF : 4124124.3/24	All: 5335.131+/-0.554	χ^2/NDF : 15633269.7/9
Right Out: 5015.689+/-1.199	χ^2/NDF : 3470852.7/25	- sign 5114.628+/-0.759	χ^2/NDF : 8832272.1/48
Left In: 5180.743+/-0.980	χ^2/NDF : 5350053.6/22		

diff_bpm12X_mean vs Slug



Right In: -8.052 ± 10.213 χ^2/NDF : 22.8/21

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

Right Out: 18.987 ± 9.642 χ^2/NDF : 28.4/25

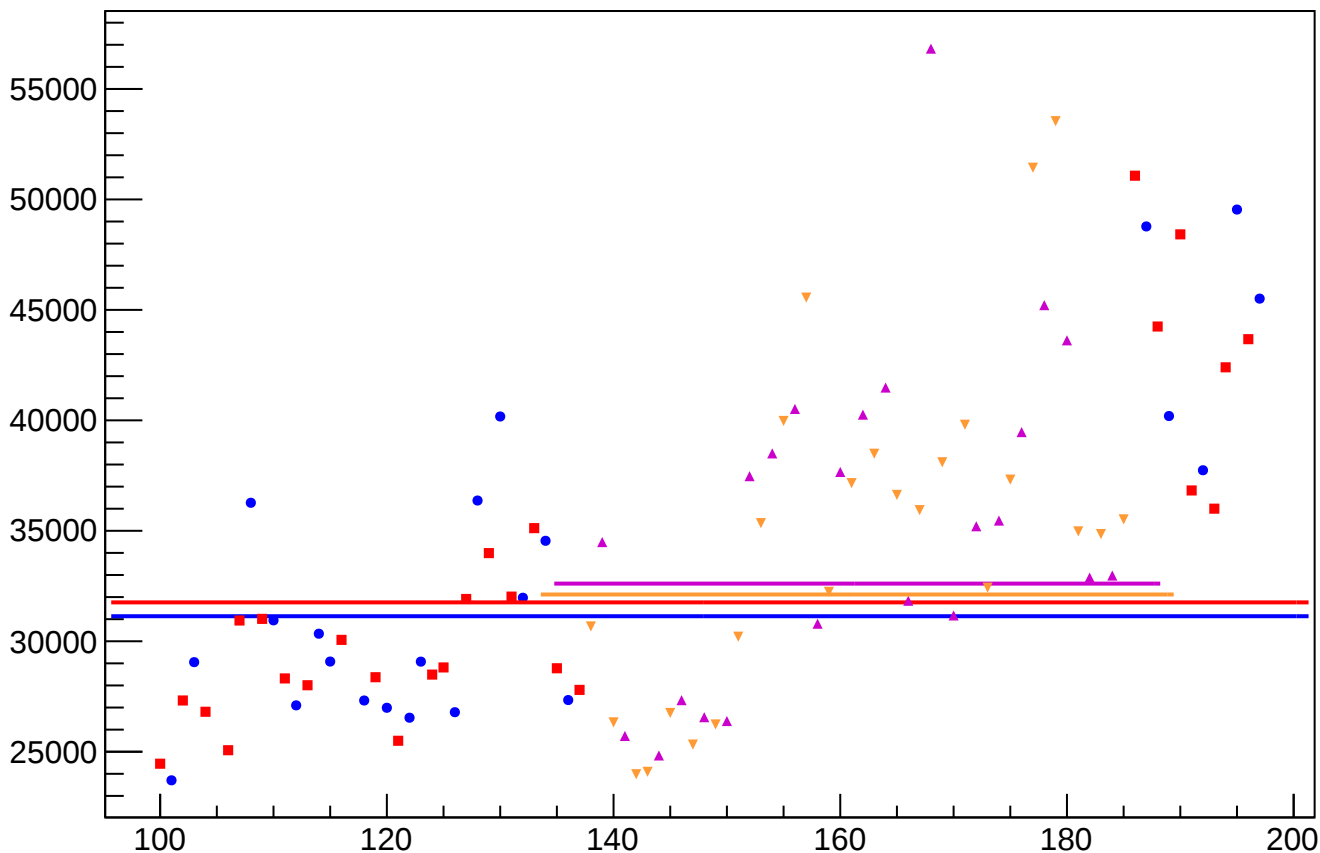
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -2.544 ± 6.144 χ^2/NDF : 54.3/46

All: 2.424 ± 4.351 χ^2/NDF : 100.7/95

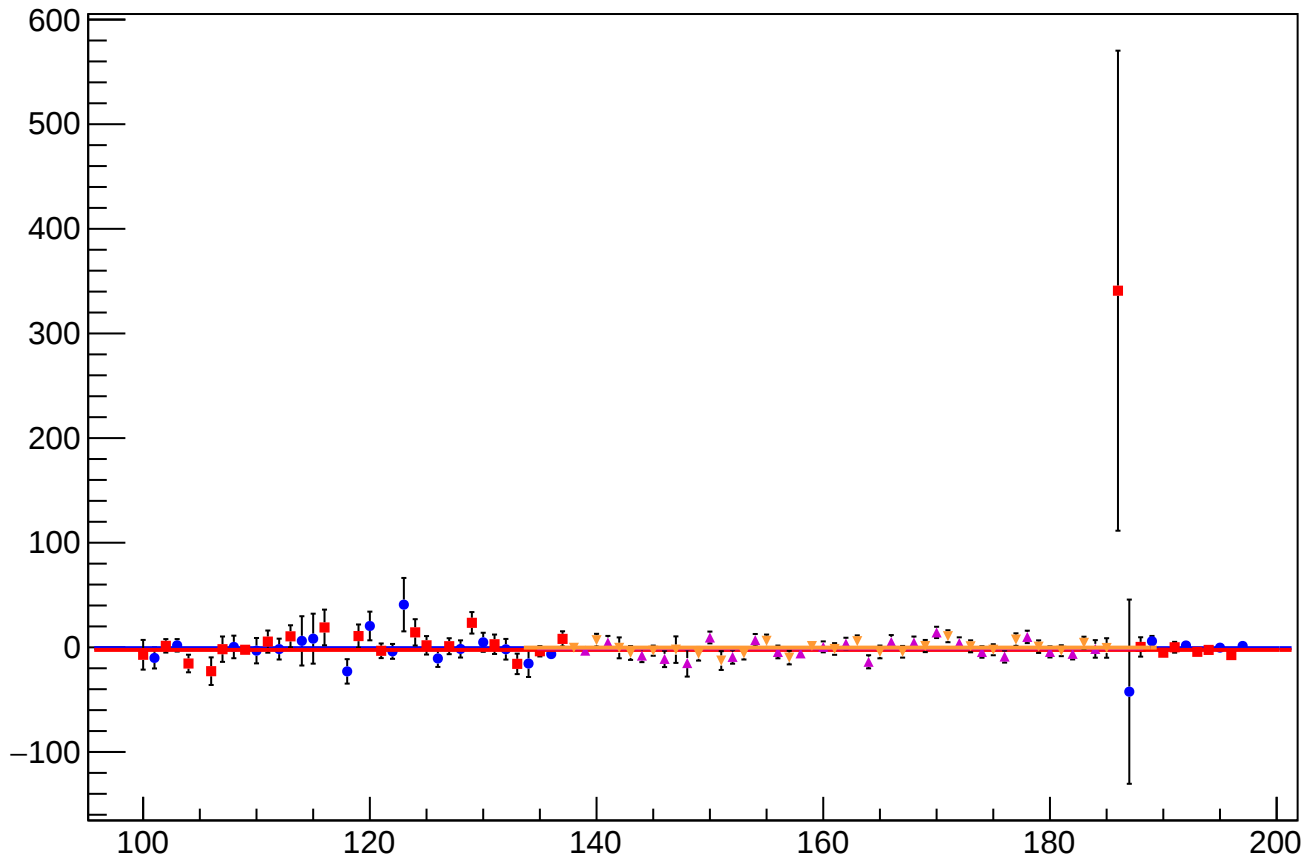
- sign 7.424 ± 6.163 χ^2/NDF : 45.1/48

diff_bpm12X_rms vs Slug



Right In: 31133.718+/-7.222	χ^2/NDF : 857531.8/21	+ sign 31761.320+/-4.344	χ^2/NDF : 2406106.4/46
Left Out: 32117.184+/-5.438	χ^2/NDF : 1536740.0/24	All: 32011.286+/-3.077	χ^2/NDF : 4650272.6/5
Right Out: 31760.259+/-6.818	χ^2/NDF : 829858.5/25	- sign 32262.869+/-4.358	χ^2/NDF : 2237522.9/48
Left In: 32610.108+/-5.667	χ^2/NDF : 1398475.8/22		

diff_bpm12Y_mean vs Slug



Right In: -0.777 $\pm$ 1.322 χ^2/NDF : 19.2/21

Left Out: -0.255 $\pm$ 1.173 χ^2/NDF : 18.0/24

Right Out: -2.444 $\pm$ 1.224 χ^2/NDF : 29.0/25

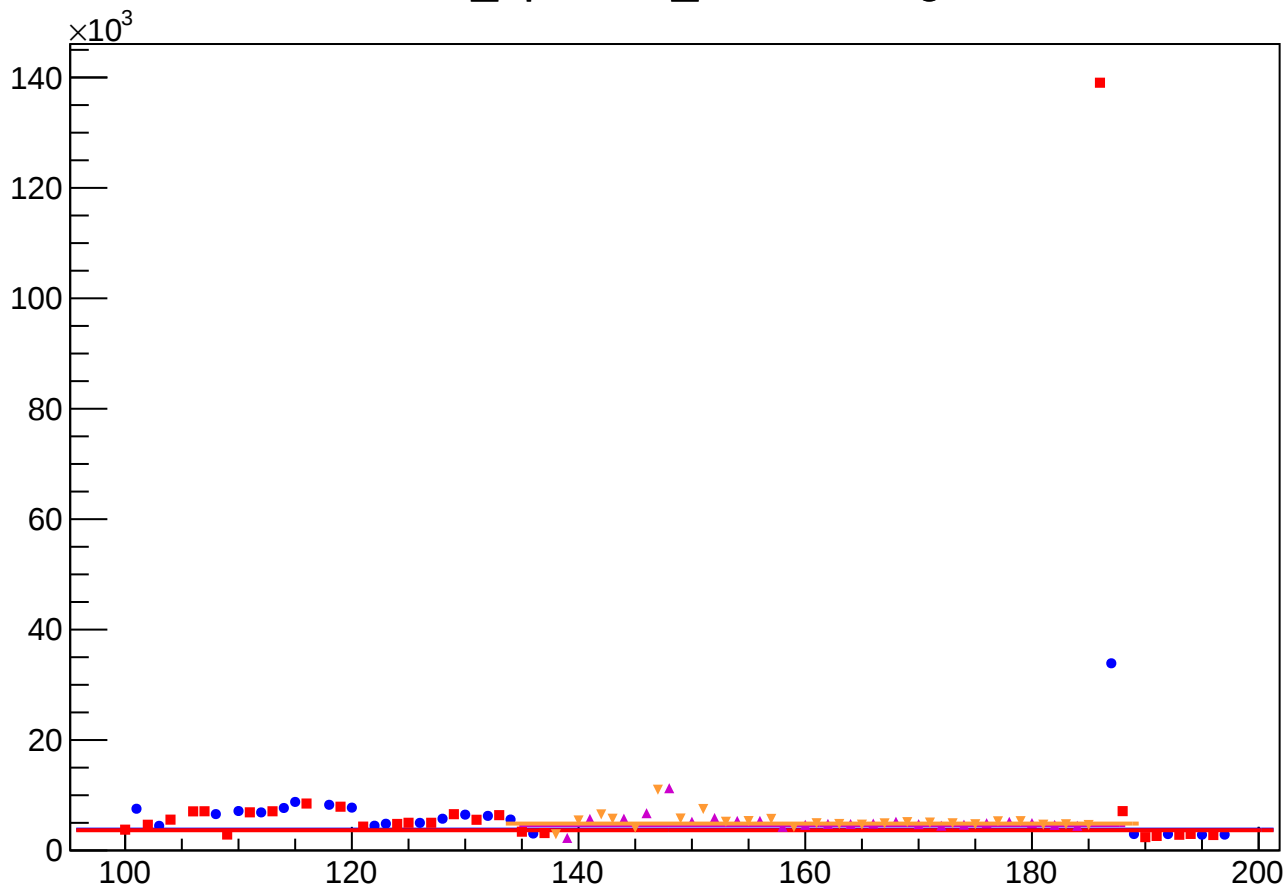
Left In: -0.925 $\pm$ 1.154 χ^2/NDF : 36.1/22

+ sign -0.485 $\pm$ 0.877 χ^2/NDF : 37.4/46

All: -1.088 $\pm$ 0.607 χ^2/NDF : 104.2/95

- sign -1.640 $\pm$ 0.839 χ^2/NDF : 65.9/48

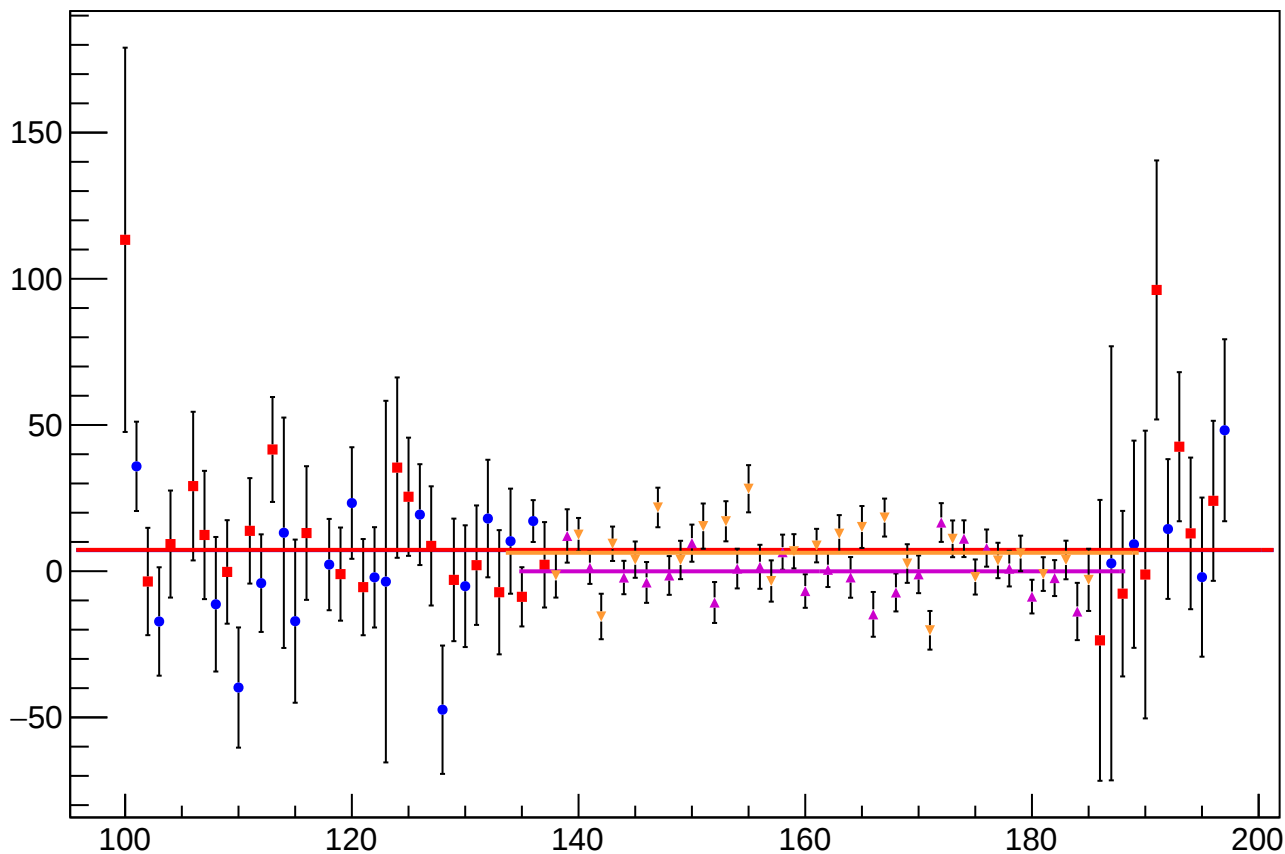
diff_bpm12Y_rms vs Slug



Right In: 3771.871 ± 0.935 χ^2/NDF : 2744749.8/21
 Left Out: 4866.528 ± 0.829 χ^2/NDF : 1511486.2/24
 Right Out: 3661.785 ± 0.865 χ^2/NDF : 3501736.4/25
 Left In: 4582.193 ± 0.816 χ^2/NDF : 2478681.0/22

+ sign 4384.480 ± 0.620 χ^2/NDF : 5023411.7/46
 All: 4261.597 ± 0.429 χ^2/NDF : 11677927.6/9
 - sign 4149.109 ± 0.594 χ^2/NDF : 6579376.7/48

diff_bpm16X_mean vs Slug



Right In: 7.200 ± 3.910 χ^2/NDF : 24.7/21

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

Right Out: 7.294 ± 3.986 χ^2/NDF : 20.8/25

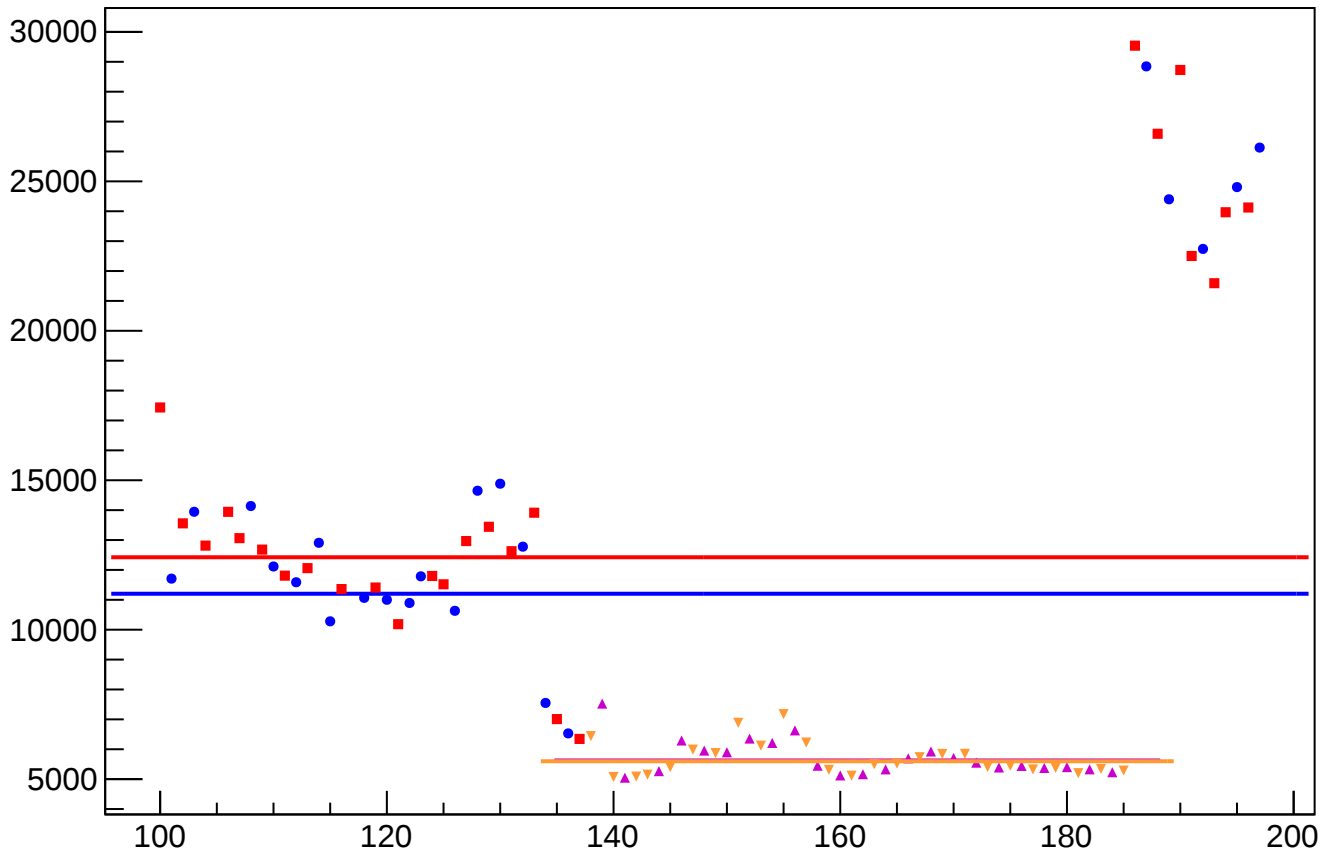
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.393 ± 1.244 χ^2/NDF : 81.5/46

All: 3.648 ± 0.894 χ^2/NDF : 145.4/95

- sign 0.719 ± 1.285 χ^2/NDF : 53.9/48

diff_bpm16X_rms vs Slug



Right In: 11202.703 $\pm$ 2.765 χ^2 /NDF: 2968306.1/21

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

Right Out: 12423.502 $\pm$ 2.819 χ^2 /NDF: 3119917.6/25

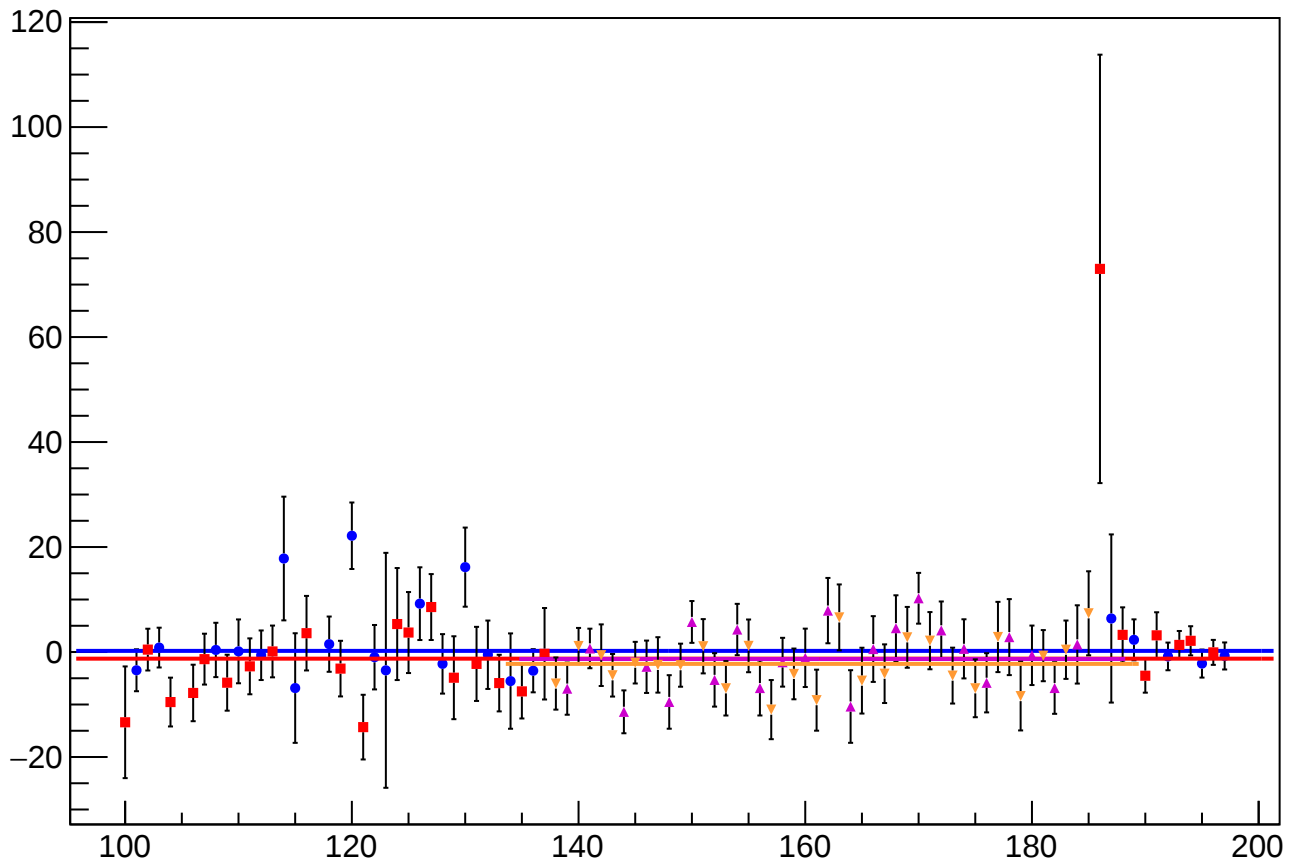
Left In: 5625.163 $\pm$ 0.960 χ^2 /NDF:272563.5/22

+ sign 6166.376 $\pm$ 0.880 χ^2 /NDF: 6944073.4/46

All: 6246.451 $\pm$ 0.632 χ^2 /NDF: 15566222.6/9

- sign 6331.879 $\pm$ 0.909 χ^2 /NDF: 8605030.1/48

diff_bpm16Y_mean vs Slug



Right In: 0.216 ± 0.992 χ^2/NDF : 24.9/21

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

Right Out: -1.266 ± 0.915 χ^2/NDF : 26.6/25

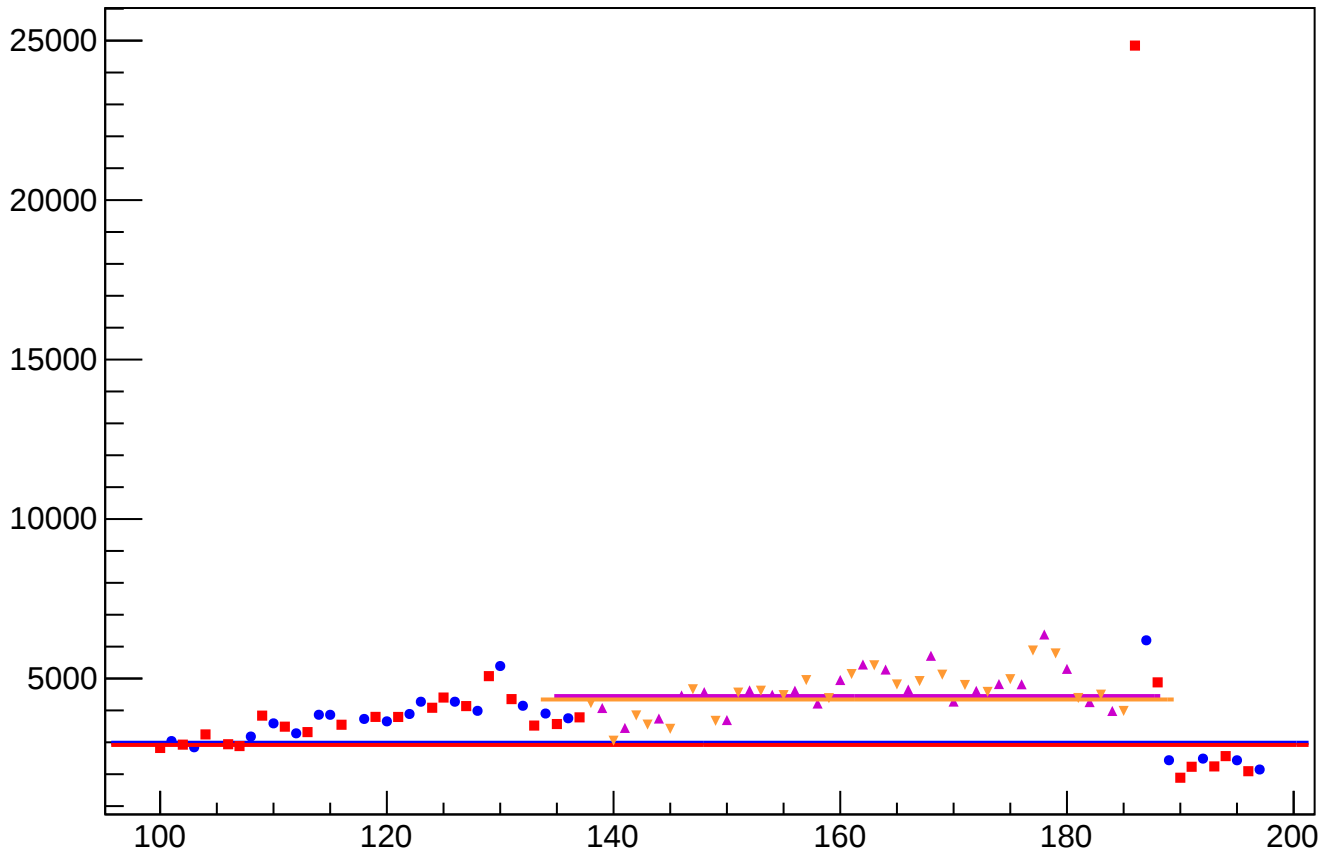
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -0.976 ± 0.714 χ^2/NDF : 43.4/46

All: -1.137 ± 0.500 χ^2/NDF : 100.7/95

- sign -1.292 ± 0.699 χ^2/NDF : 57.2/48

diff_bpm16Y_rms vs Slug



Right In: 2986.620+/-0.701 χ^2/NDF : 1148024.3/21

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

Right Out: 2917.987+/-0.647 χ^2/NDF : 2209497.3/25

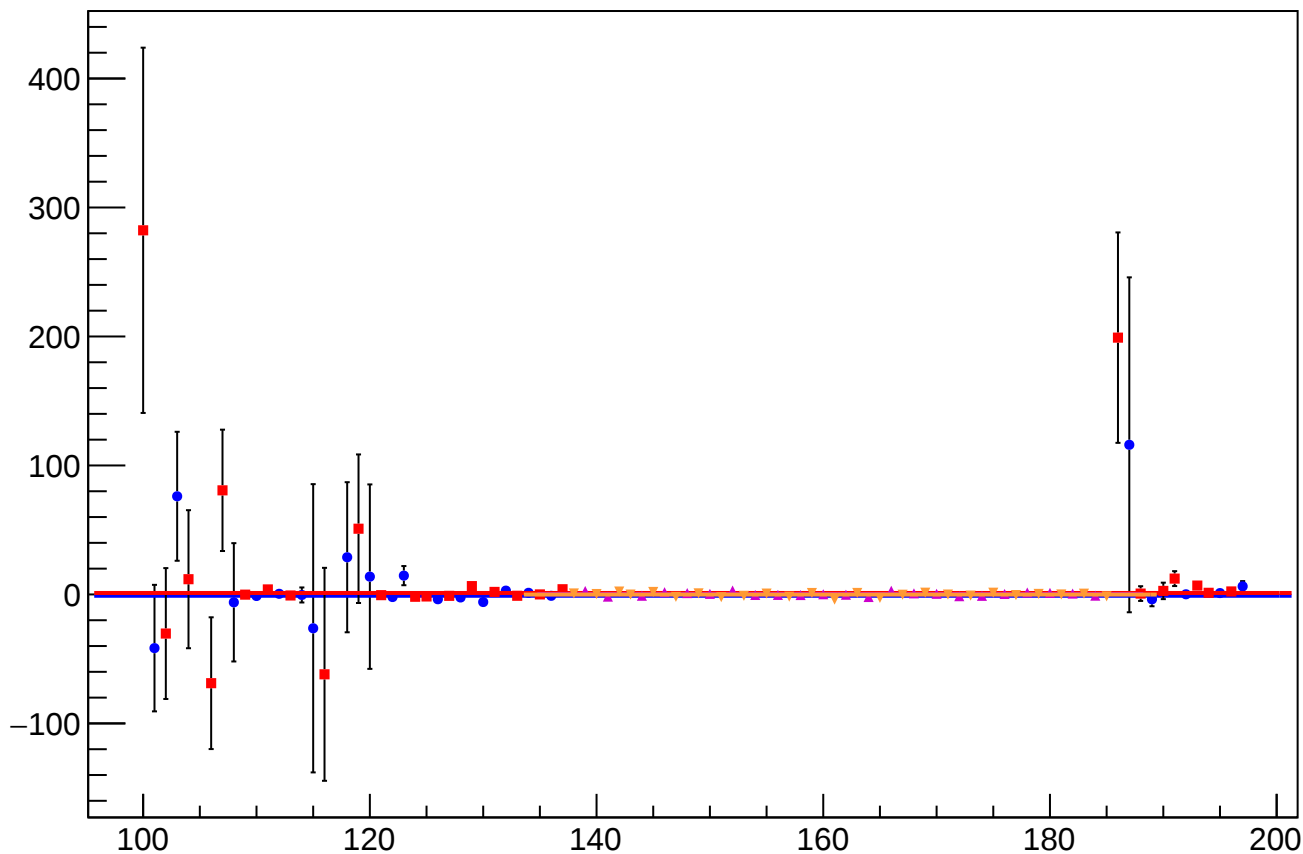
Left In: 4450.007+/-0.765 χ^2/NDF : 693229.8/22

+ sign 3638.919+/-0.505 χ^2/NDF : 3939502.2/46

All: 3597.044+/-0.353 χ^2/NDF : 9192860.3/95

- sign 3556.987+/-0.494 χ^2/NDF : 5239916.4/48

diff_bpm1p02bX_mean vs Slug



Right In: -1.026 ± 0.697 χ^2/NDF : 21.9/21

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

Right Out: 1.138 ± 0.659 χ^2/NDF : 34.2/25

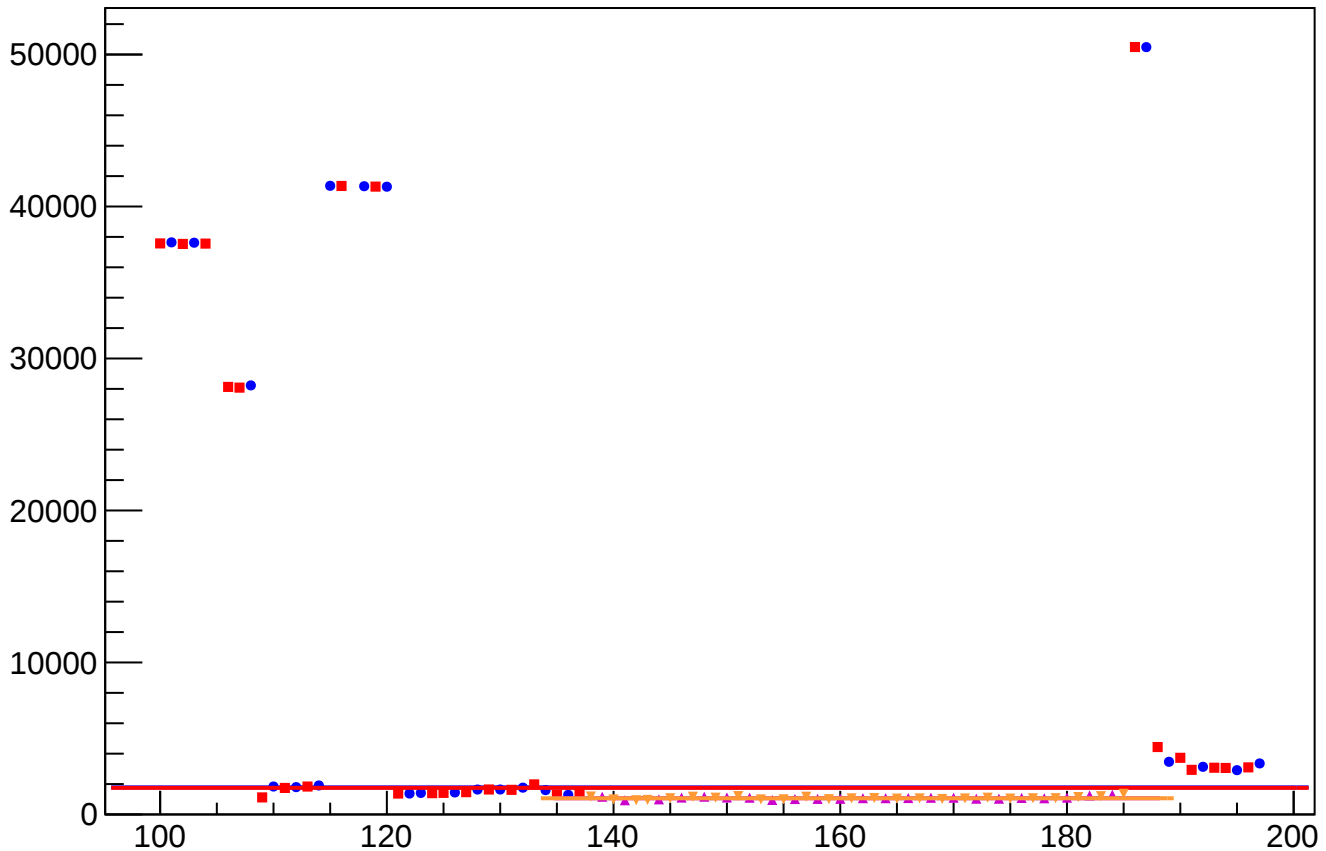
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.197 ± 0.235 χ^2/NDF : 57.9/46

All: 0.083 ± 0.168 χ^2/NDF : 123.8/95

- sign 0.375 ± 0.239 χ^2/NDF : 62.9/48

diff_bpm1p02bX_rms vs Slug



Right In: 1781.067 $\pm$ 0.493 χ^2 /NDF: 6292129.2/21

Left Out: 1064.701 $\pm$ 0.176 χ^2 /NDF: 186511.5/24

Right Out: 1751.378 $\pm$ 0.466 χ^2 /NDF: 7450787.2/25

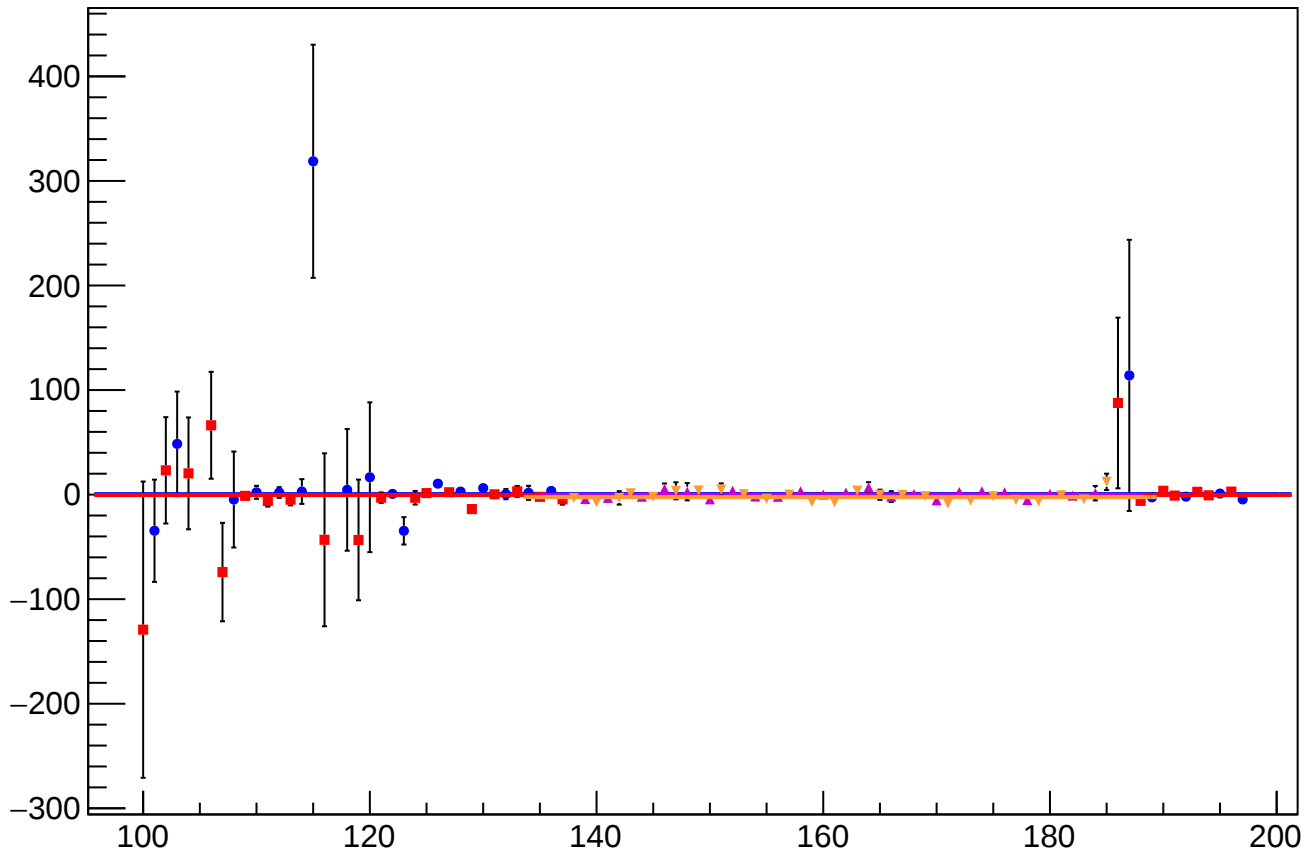
Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF: 164232.1/22

+ sign 1145.832 $\pm$ 0.166 χ^2 /NDF: 8352761.4/46

All: 1151.091 $\pm$ 0.118 χ^2 /NDF: 17844066.6/9

- sign 1156.572 $\pm$ 0.169 χ^2 /NDF: 9489251.2/48

diff_bpm1p02bY_mean vs Slug



Right In: 0.444 ± 0.889 χ^2/NDF : 34.1/21

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

Right Out: -0.367 ± 0.820 χ^2/NDF : 27.6/25

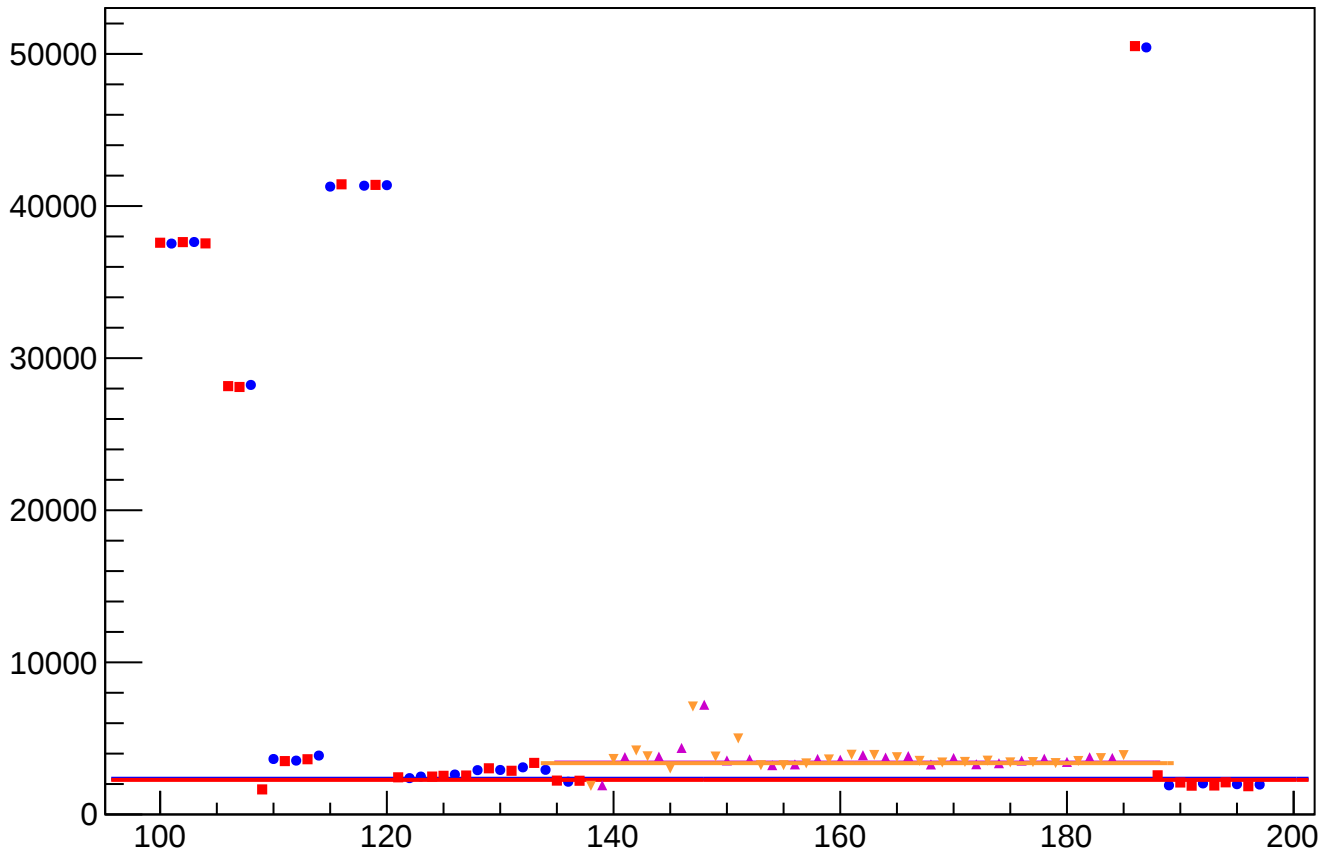
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -1.121 ± 0.599 χ^2/NDF : 61.0/46

All: -0.762 ± 0.419 χ^2/NDF : 104.7/95

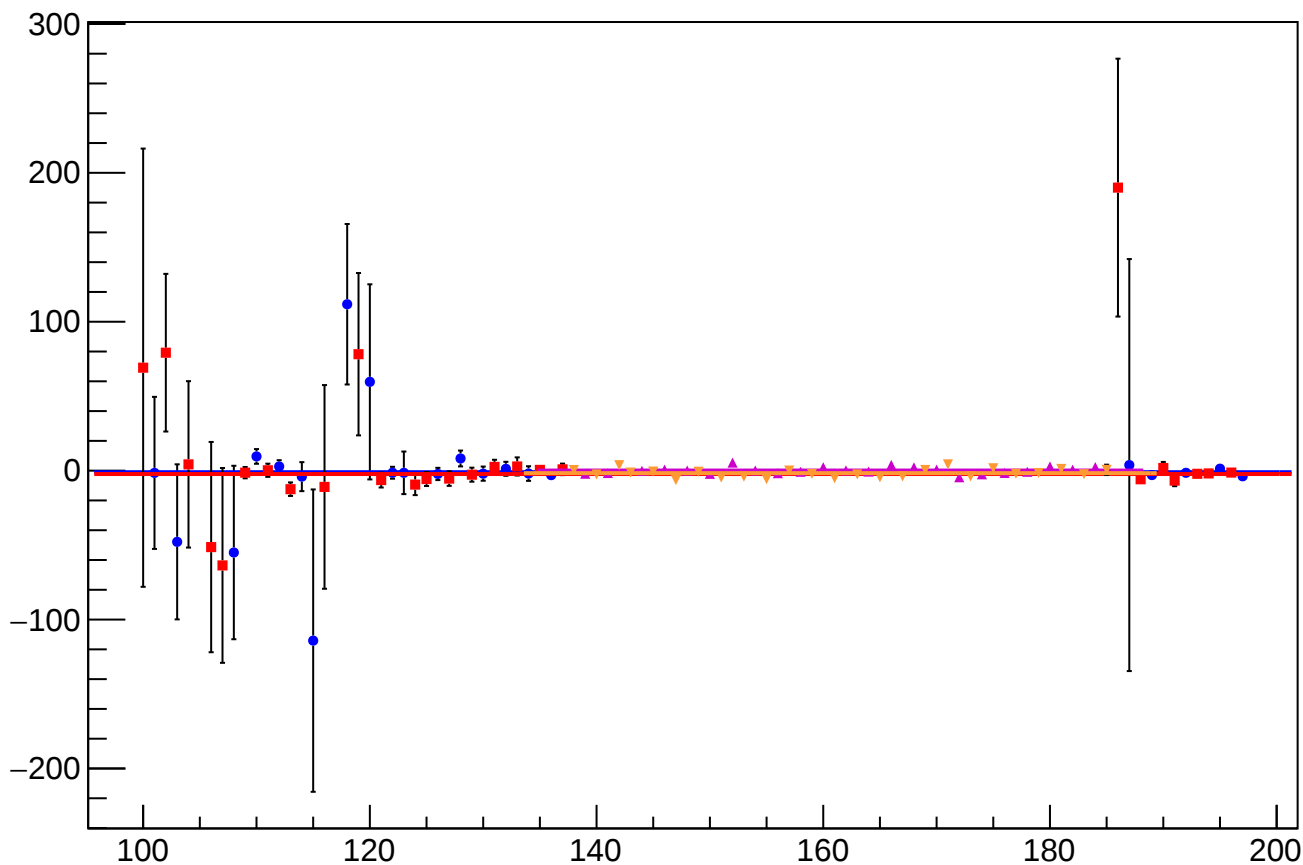
- sign -0.416 ± 0.588 χ^2/NDF : 43.0/48

diff_bpm1p02bY_rms vs Slug



Right In: 2348.336+/-0.629 χ^2/NDF : 5252222.1/21 + sign 2907.780+/-0.424 χ^2/NDF : 8360065.7/46
 Left Out: 3372.958+/-0.573 χ^2/NDF : 1656864.7/24 All: 2866.469+/-0.297 χ^2/NDF : 17551345.4/9
 Right Out: 2273.089+/-0.580 χ^2/NDF : 5861749.9/25 - sign 2826.699+/-0.416 χ^2/NDF : 9172604.8/48
 Left In: 3411.924+/-0.596 χ^2/NDF : 1434523.7/22

diff_bpm1p03aX_mean vs Slug



Right In: -1.043 ± 0.871 χ^2/NDF : 20.5/21

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

Right Out: -2.265 ± 0.822 χ^2/NDF : 26.2/25

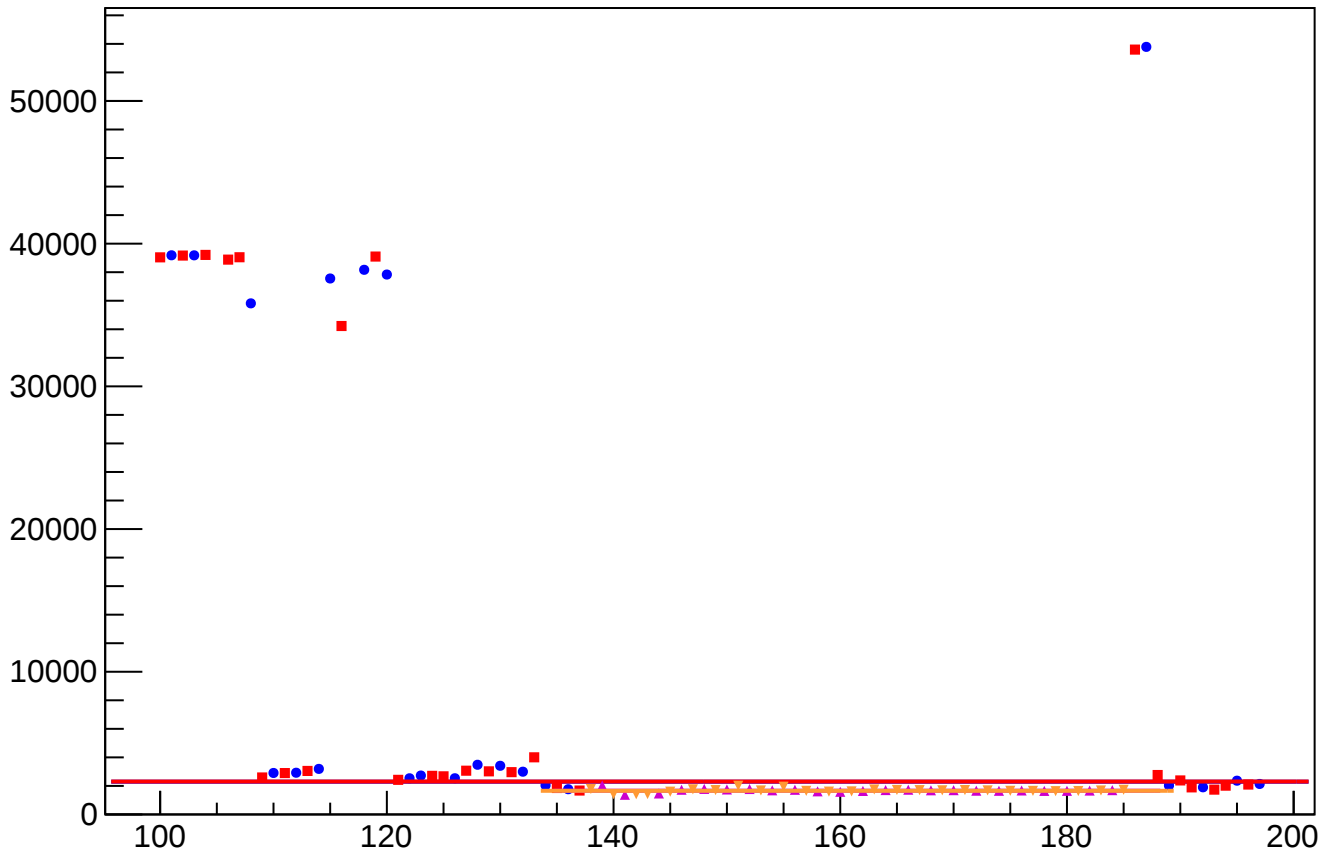
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.568 ± 0.354 χ^2/NDF : 66.6/46

All: -0.983 ± 0.253 χ^2/NDF : 133.2/95

- sign -0.378 ± 0.360 χ^2/NDF : 61.0/48

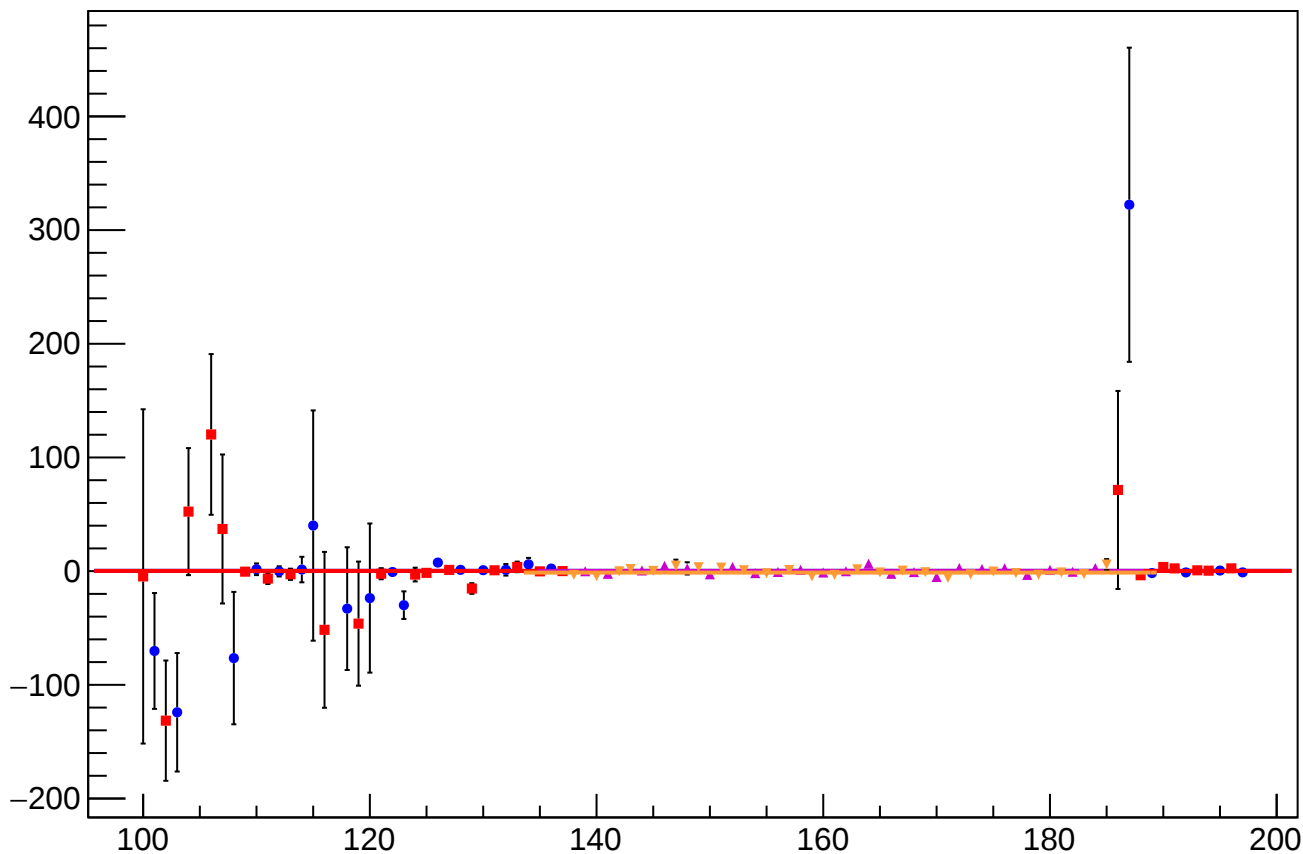
diff_bpm1p03aX_rms vs Slug



Right In: 2294.792 $\pm$ 0.616 χ^2 /NDF: 5319671.8/21
 Left Out: 1657.770 $\pm$ 0.274 χ^2 /NDF: 223465.3/24
 Right Out: 2307.440 $\pm$ 0.581 χ^2 /NDF: 5965906.9/25
 Left In: 1663.620 $\pm$ 0.284 χ^2 /NDF: 178858.2/22

+ sign 1763.298 $\pm$ 0.251 χ^2 /NDF: 6435871.0/46
 All: 1775.157 $\pm$ 0.179 χ^2 /NDF: 13576267.7/9
 - sign 1787.418 $\pm$ 0.255 χ^2 /NDF: 7135844.2/48

diff_bpm1p03aY_mean vs Slug



Right In: 0.300 ± 0.735 χ^2/NDF : 29.4/21

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

Right Out: 0.202 ± 0.678 χ^2/NDF : 32.8/25

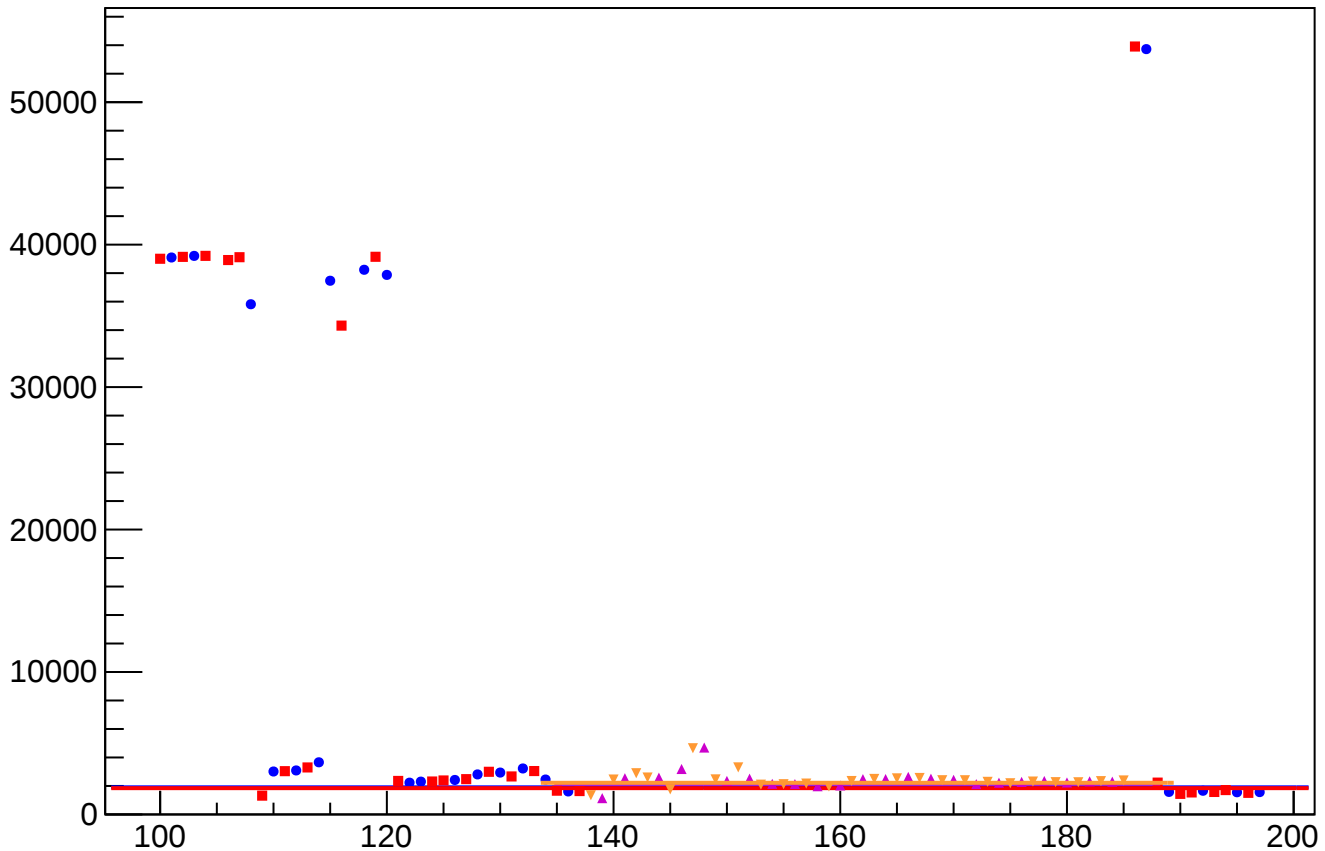
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.714 ± 0.433 χ^2/NDF : 54.0/46

All: -0.278 ± 0.302 χ^2/NDF : 108.1/95

- sign 0.138 ± 0.423 χ^2/NDF : 52.1/48

diff_bpm1p03aY_rms vs Slug



Right In: 1904.347 ± 0.520 $\chi^2/\text{NDF}: 5789223.4/21$

Left Out: 2222.081 ± 0.378 $\chi^2/\text{NDF}: 1422440.9/24$

Right Out: 1846.350 ± 0.480 $\chi^2/\text{NDF}: 6419752.8/25$

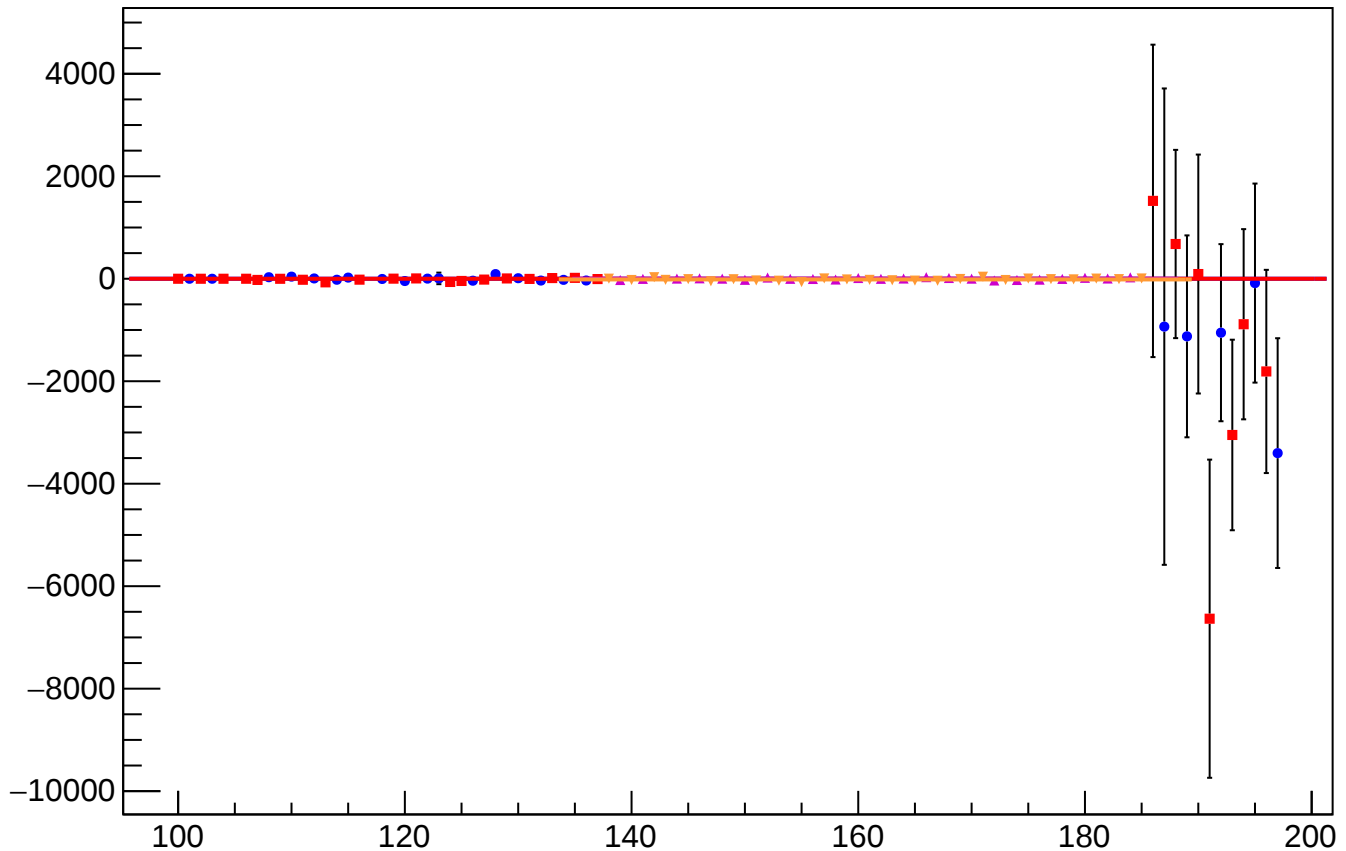
Left In: 2169.443 ± 0.383 $\chi^2/\text{NDF}: 1974869.8/22$

+ sign 2112.076 ± 0.306 $\chi^2/\text{NDF}: 7455856.3/46$

All: 2077.160 ± 0.214 $\chi^2/\text{NDF}: 16153205.6/9$

- sign 2043.769 ± 0.299 $\chi^2/\text{NDF}: 8671862.6/48$

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 19.6/21

Left Out: -13.484 $\pm$ 2.800 χ^2 /NDF: 58.7/24

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 24.2/25

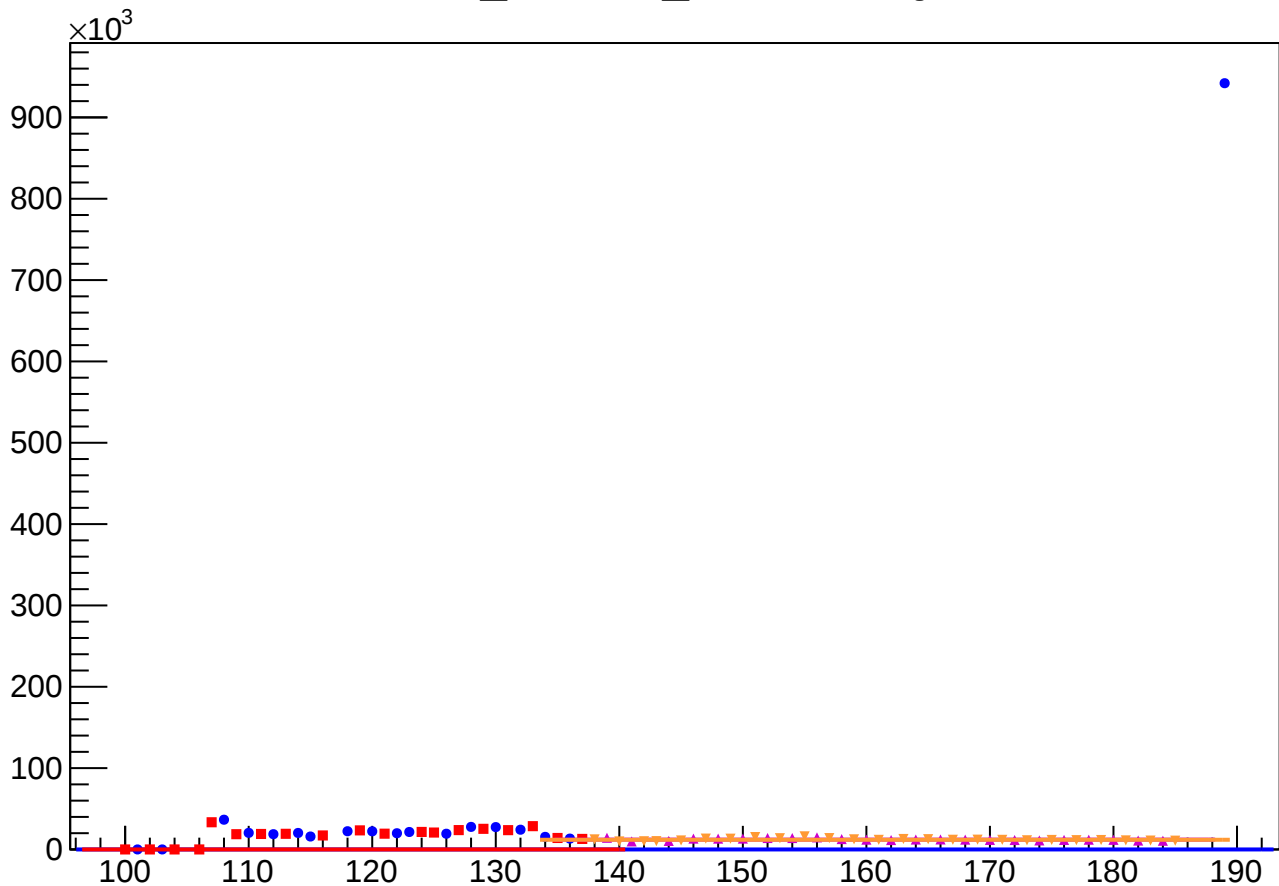
Left In: -0.459 $\pm$ 2.917 χ^2 /NDF: 29.0/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 101.5/46

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 154.9/95

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 53.2/48

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

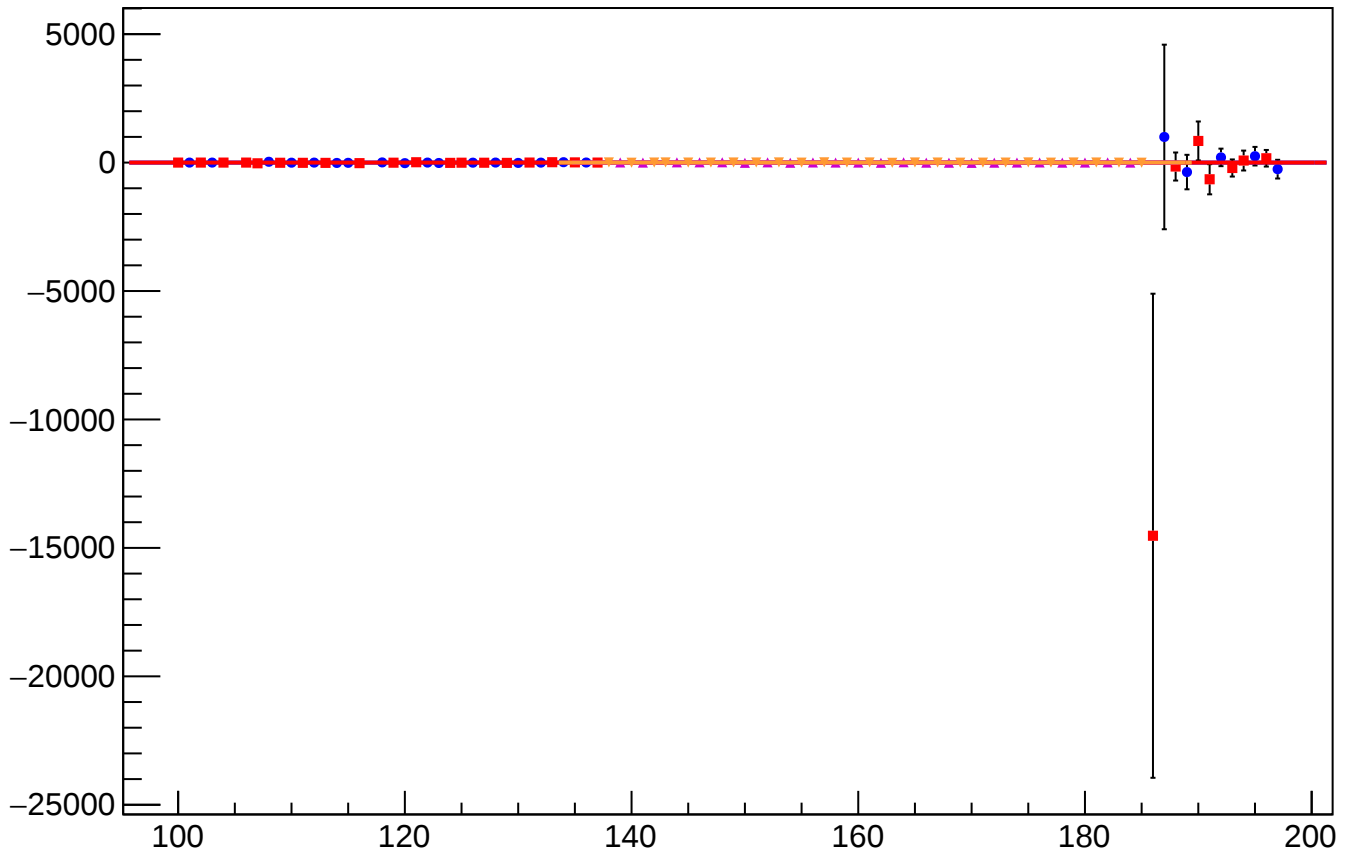
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

+ 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: 14.6/21

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.4/25

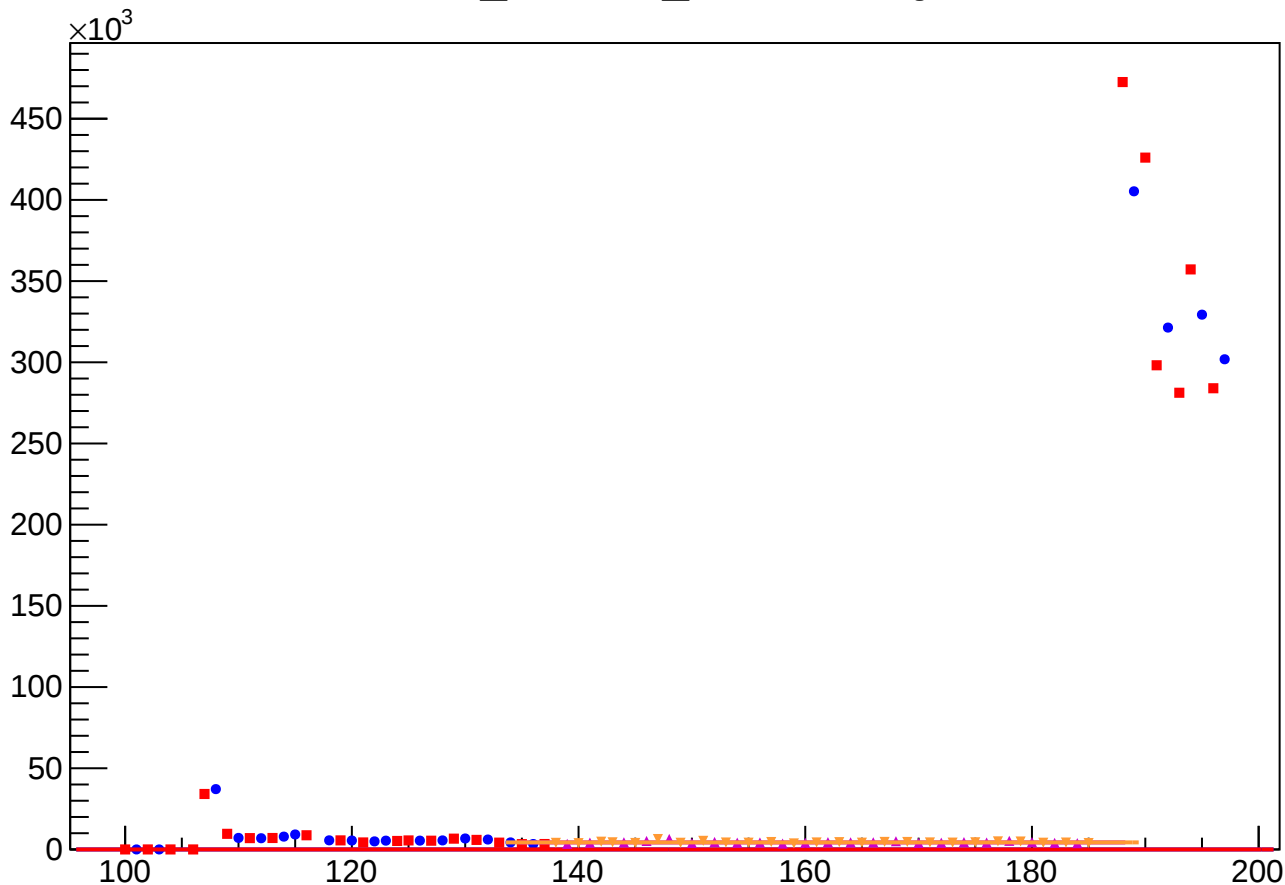
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.5/46

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 97.4/95

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.8/48

diff_cav4bY_rms vs Slug



Right In: 9.939 ± 0.007 χ^2/NDF : 16582804.3/20

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

Right Out: 9.855 ± 0.006 χ^2/NDF : 18408044.2/24

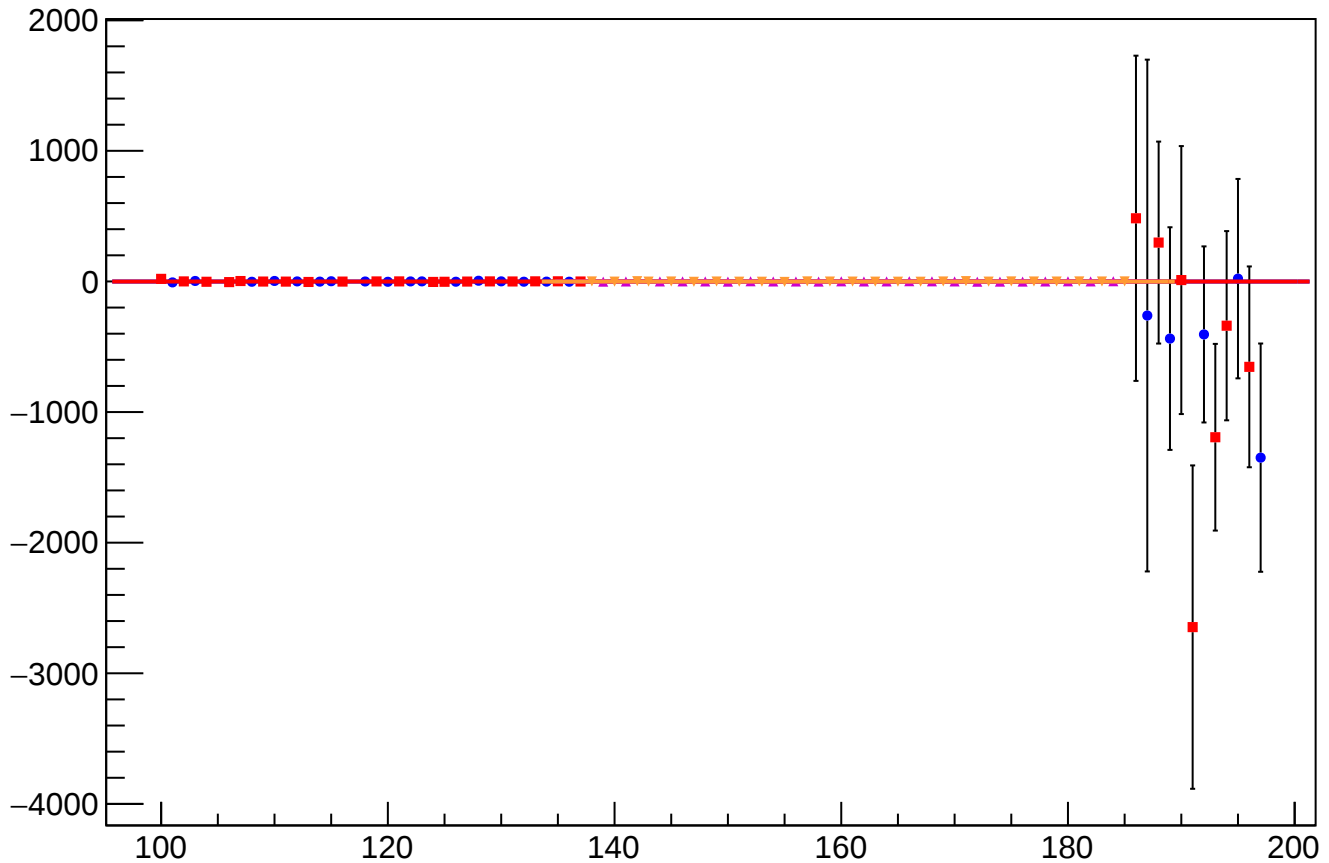
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.291 ± 0.007 χ^2/NDF : 53010221.8/45

All: 10.215 ± 0.004 χ^2/NDF : 105751888.5/93

- sign 10.148 ± 0.006 χ^2/NDF : 52741411.1/47

diff_cav4cX_mean vs Slug



Right In: -0.714 ± 0.483 χ^2/NDF : 25.7/21

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

Right Out: -0.639 ± 0.501 χ^2/NDF : 21.7/25

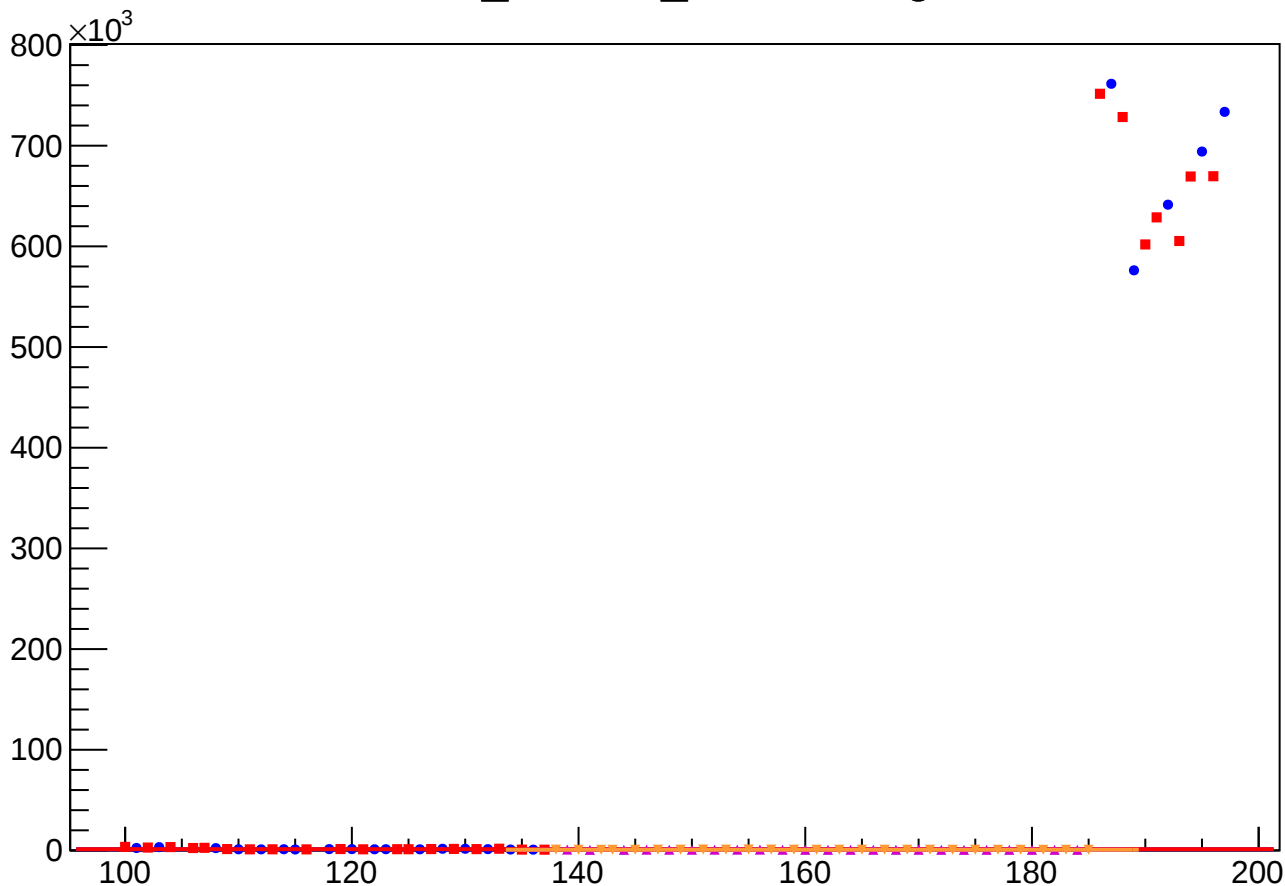
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 84.3/46

All: -0.438 ± 0.112 χ^2/NDF : 146.1/95

- sign -0.083 ± 0.162 χ^2/NDF : 52.5/48

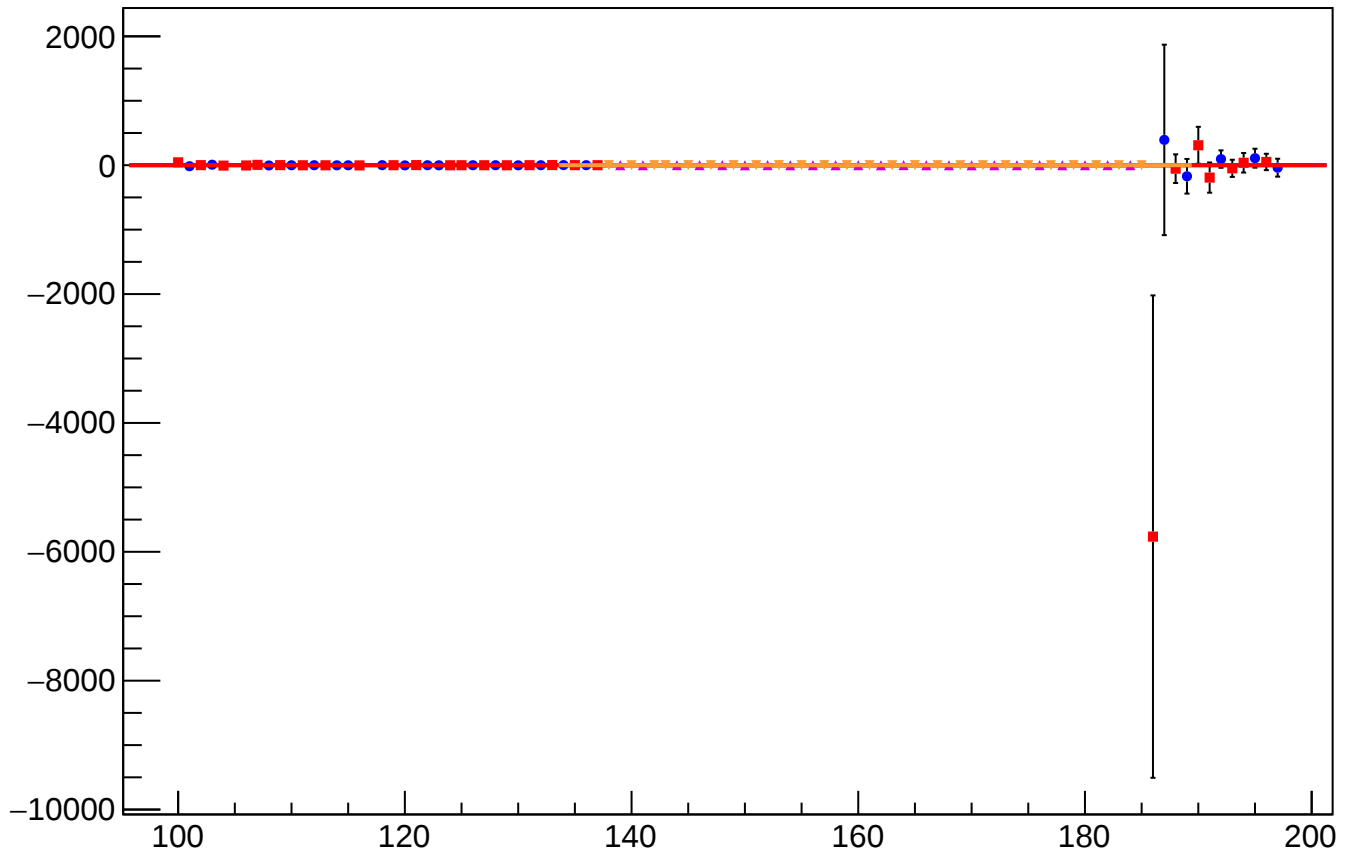
diff_cav4cX_rms vs Slug



Right In: 1168.181 $\pm$ 0.342 χ^2 /NDF: 7642125.8/21
 Left Out: 700.984 $\pm$ 0.116 χ^2 /NDF: 392855.4/24
 Right Out: 1249.482 $\pm$ 0.355 χ^2 /NDF: 9938187.9/25
 Left In: 706.971 $\pm$ 0.121 χ^2 /NDF: 332011.4/22

+ sign 749.562 $\pm$ 0.110 χ^2 /NDF: 9710829.9/46
 All: 756.201 $\pm$ 0.079 χ^2 /NDF: 22086012.1/95
 - sign 763.350 $\pm$ 0.114 χ^2 /NDF: 12367638.6/48

diff_cav4cY_mean vs Slug



Right In: -0.059 ± 0.269 χ^2/NDF : 20.7/21

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

Right Out: 0.280 ± 0.264 χ^2/NDF : 25.2/25

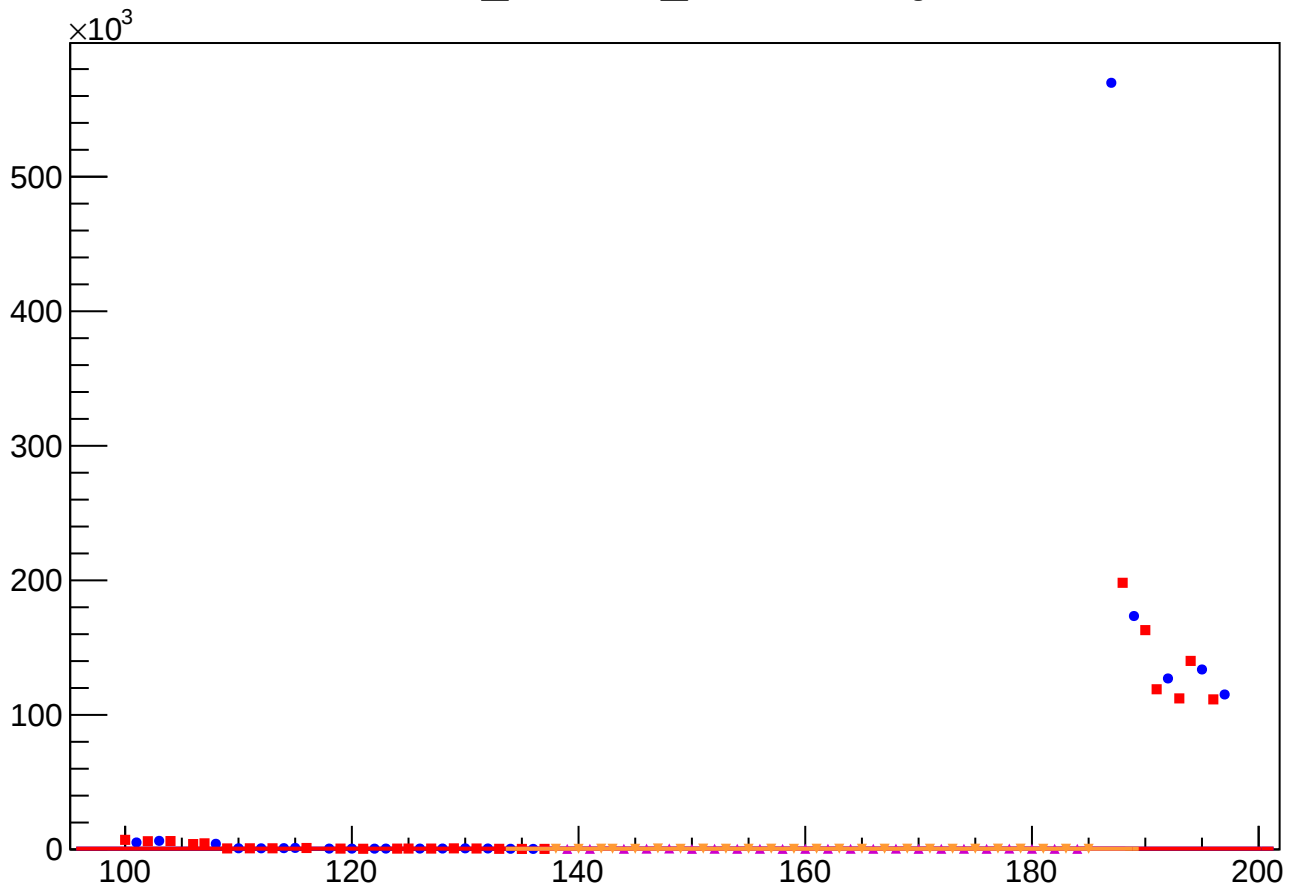
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.183 ± 0.112 χ^2/NDF : 39.7/46

All: 0.169 ± 0.080 χ^2/NDF : 100.1/95

- sign 0.154 ± 0.114 χ^2/NDF : 60.4/48

diff_cav4cY_rms vs Slug



Right In: 610.955 $\pm$ 0.190 χ^2 /NDF: 9017393.1/21

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

Right Out: 600.733 $\pm$ 0.187 χ^2 /NDF: 10907258.2/24

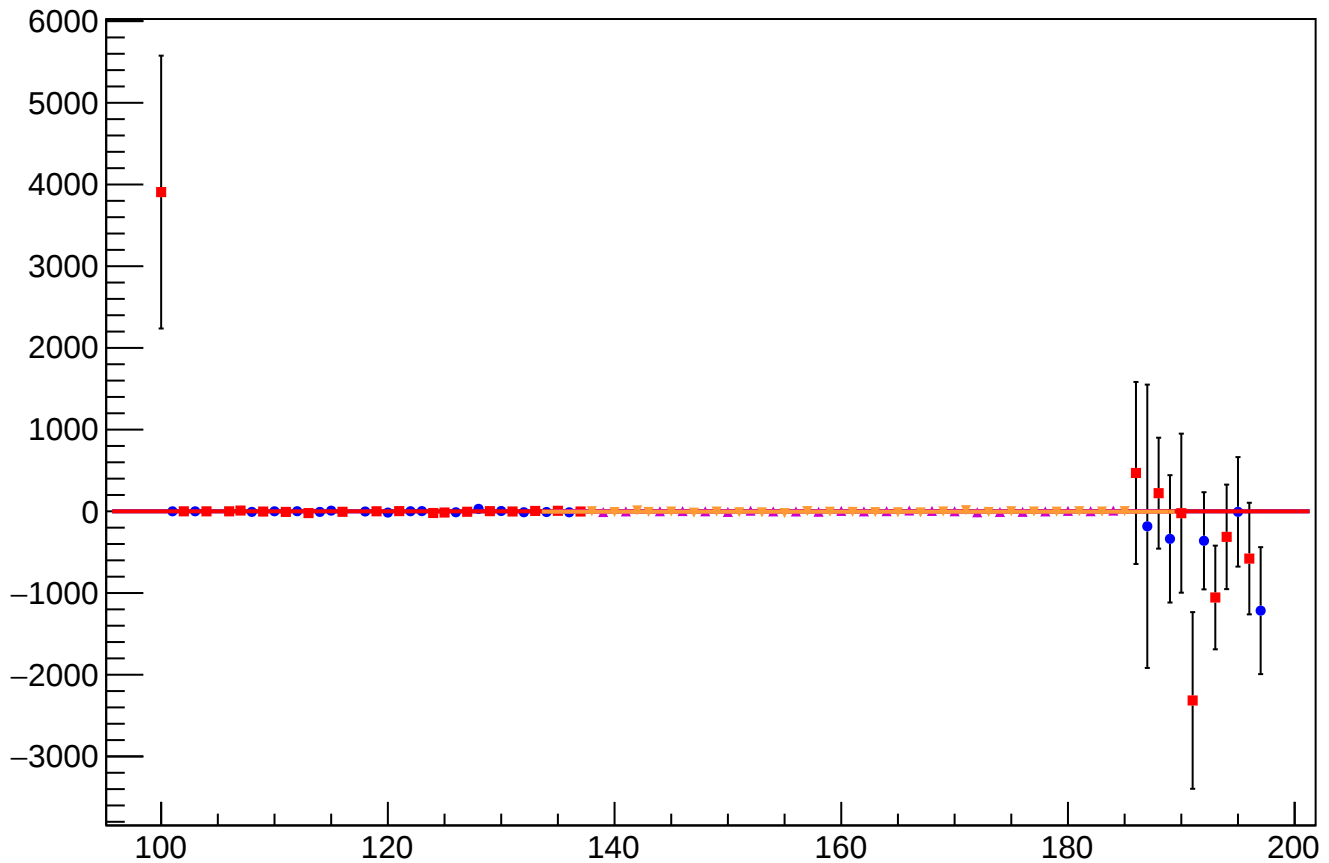
Left In: 520.700 $\pm$ 0.089 χ^2 /NDF: 427720.5/22

+ sign 537.483 $\pm$ 0.079 χ^2 /NDF: 9527999.3/46

All: 536.530 $\pm$ 0.056 χ^2 /NDF: 21012532.8/94

- sign 535.538 $\pm$ 0.081 χ^2 /NDF: 11484235.7/47

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 19.0/21

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

Right Out: -0.027 ± 0.020 χ^2/NDF : 26.0/25

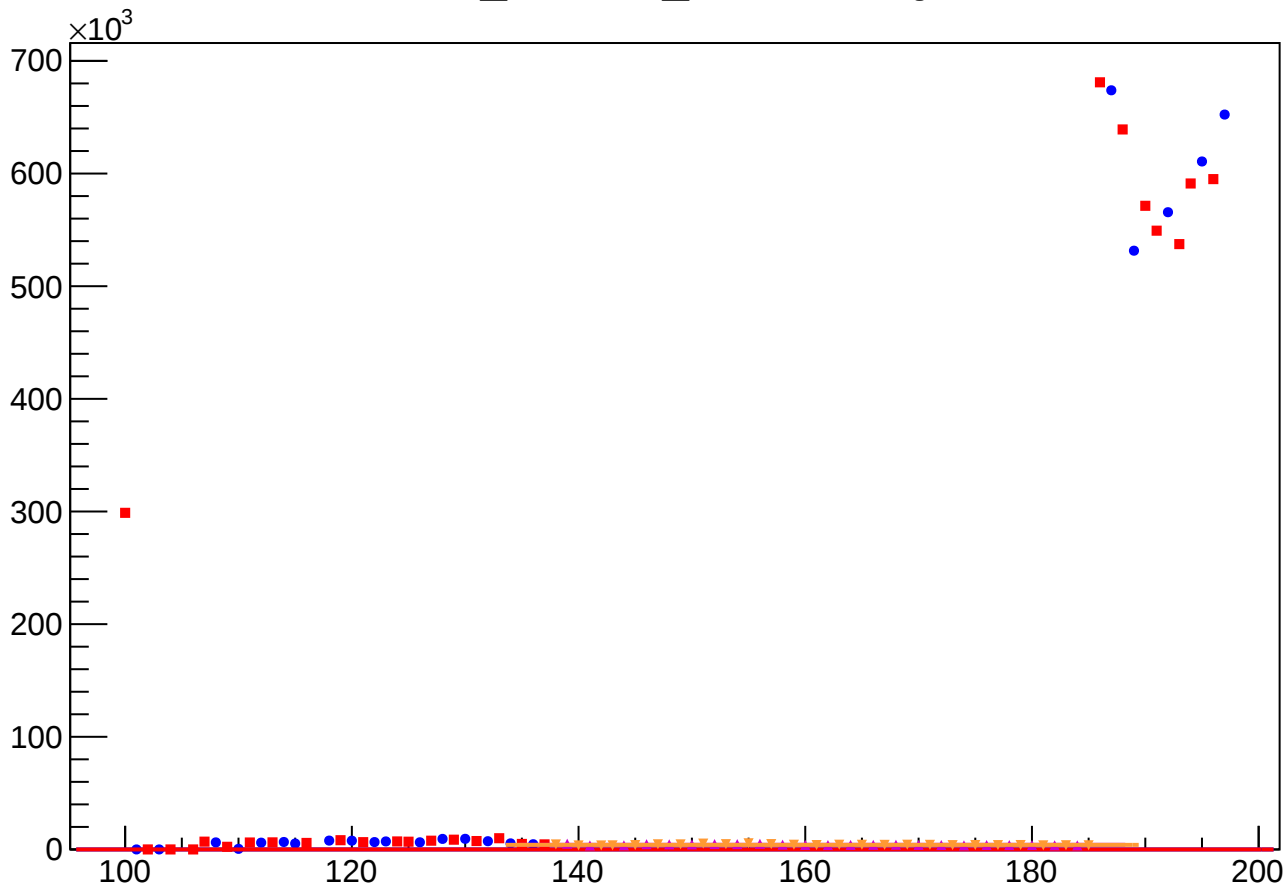
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 99.1/46

All: -0.025 ± 0.014 χ^2/NDF : 154.6/95

- sign -0.027 ± 0.020 χ^2/NDF : 55.5/48

diff_cav4dX_rms vs Slug



Right In: 17.341 $\pm$ 0.015 χ^2 /NDF: 16571528.3/21

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

Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 19131343.1/25

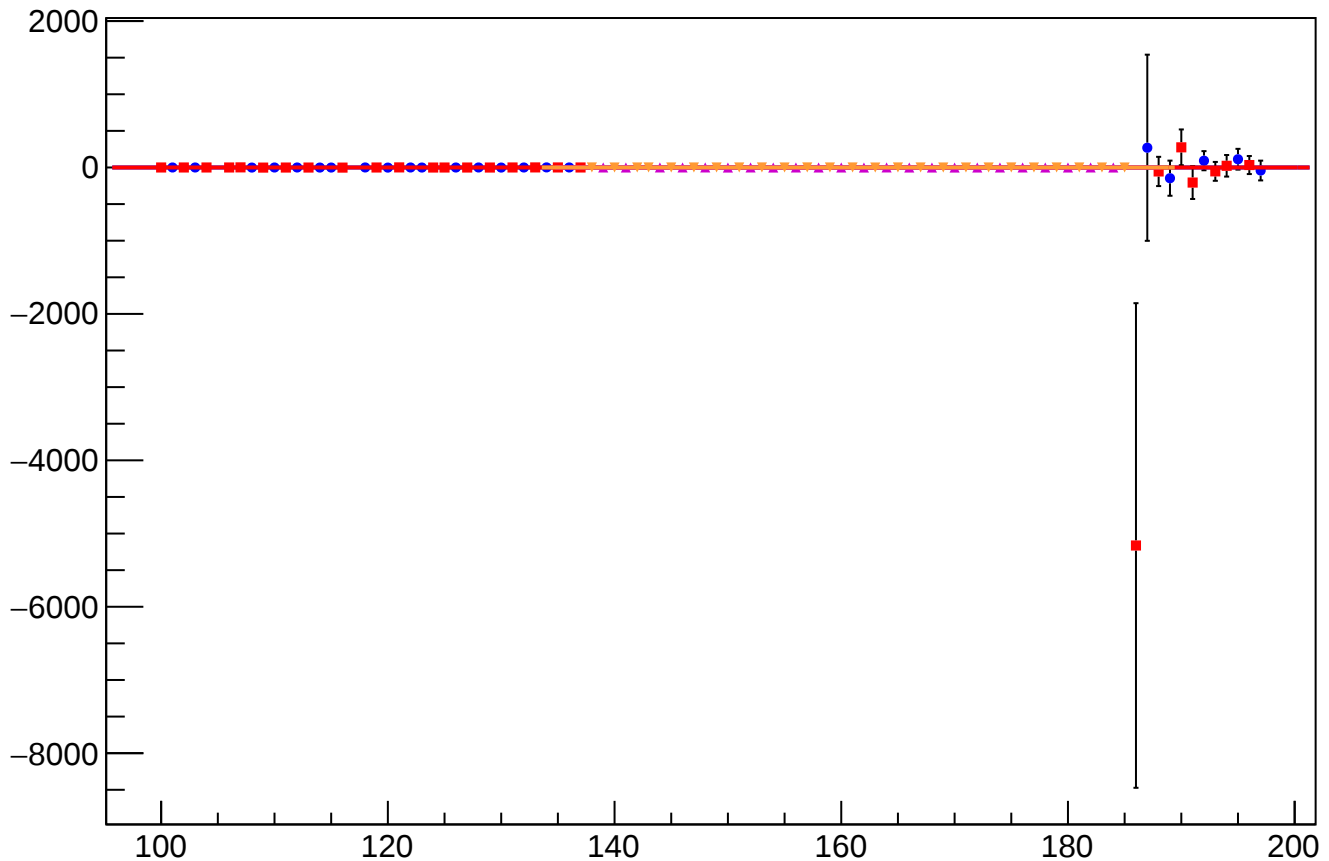
Left In: 4113.993 $\pm$ 0.703 χ^2 /NDF:349160.6/22

+ sign 19.256 $\pm$ 0.015 χ^2 /NDF: 52921657.7/46

All: 19.064 $\pm$ 0.010 χ^2 /NDF: 106358422.7/95

- sign 18.891 $\pm$ 0.014 χ^2 /NDF: 53436441.6/48

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.2/21

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.1/25

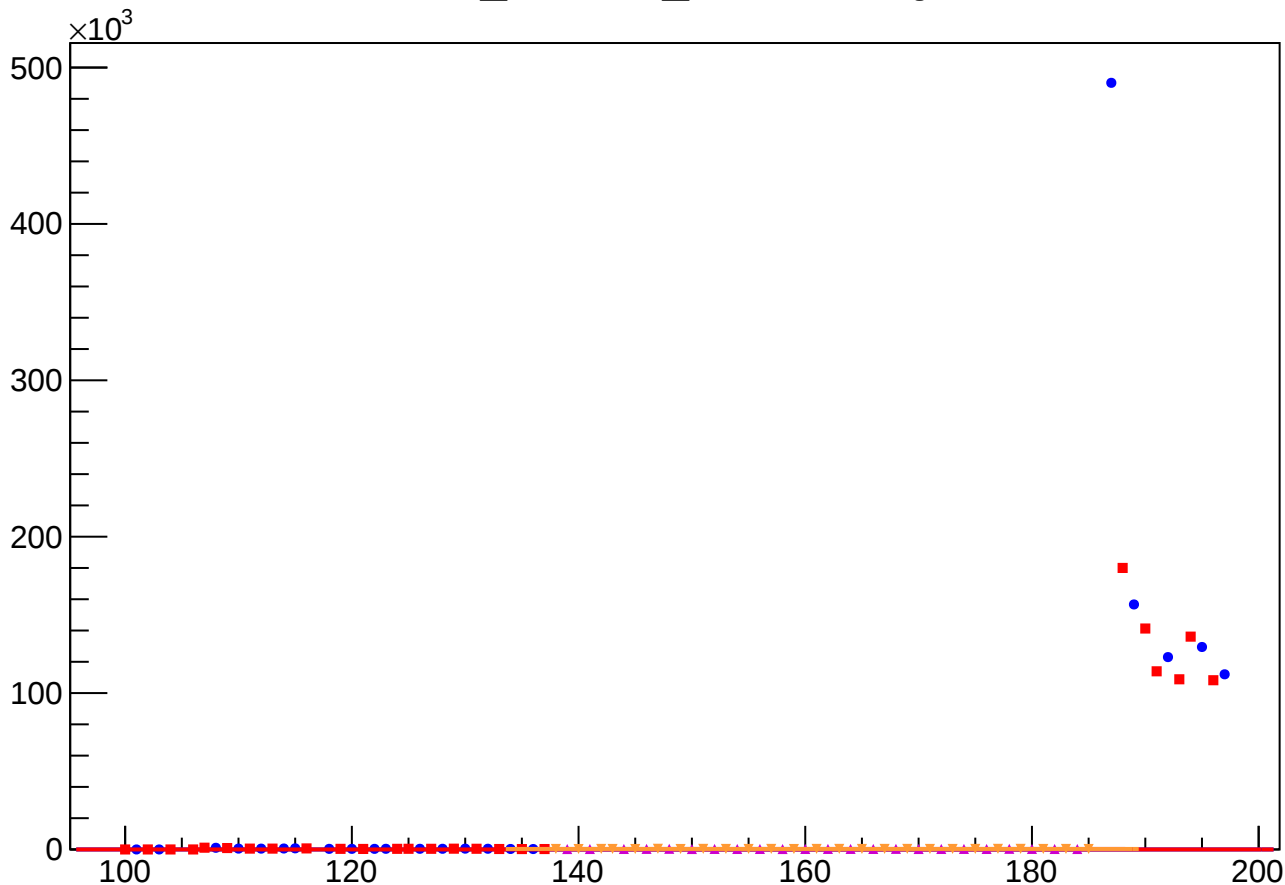
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF: 34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 36.3/46

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 95.1/95

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 58.7/48

diff_cav4dY_rms vs Slug



Right In: 1.699 ± 0.001 χ^2/NDF : 16970205.9/21

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

Right Out: 1.728 ± 0.001 χ^2/NDF : 18177094.7/24

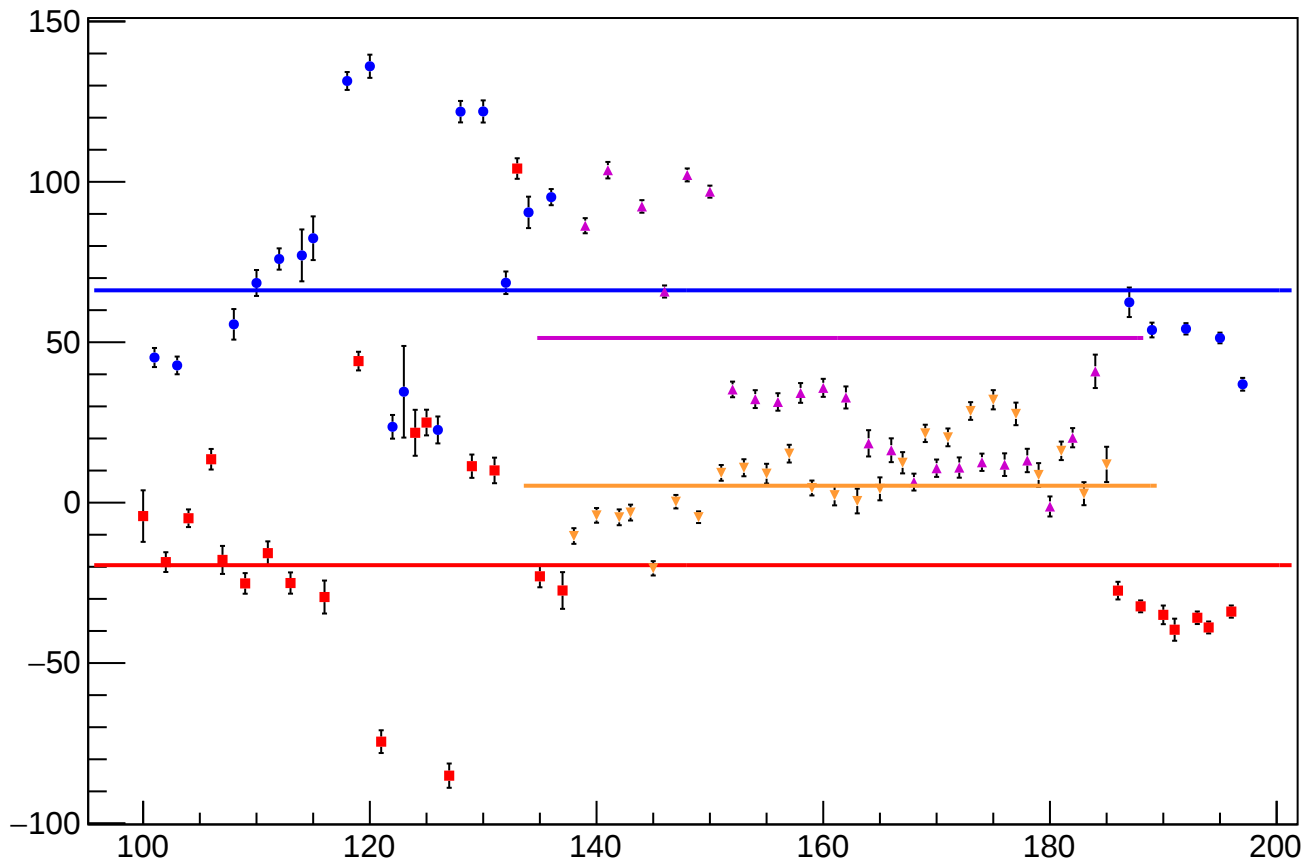
Left In: 325.626 ± 0.056 χ^2/NDF : 413350.0/22

+ sign 1.926 ± 0.001 χ^2/NDF : 53182093.8/46

All: 1.925 ± 0.001 χ^2/NDF : 105497099.4/94

- sign 1.924 ± 0.001 χ^2/NDF : 52315004.3/47

diff_bpm0i01X_mean vs Slug



Right In: 66.180 ± 0.640 $\chi^2/\text{NDF}: 2375.1/21$

Left Out: 5.276 ± 0.544 $\chi^2/\text{NDF}: 556.2/24$

Right Out: -19.492 ± 0.591 $\chi^2/\text{NDF}: 3302.9/25$

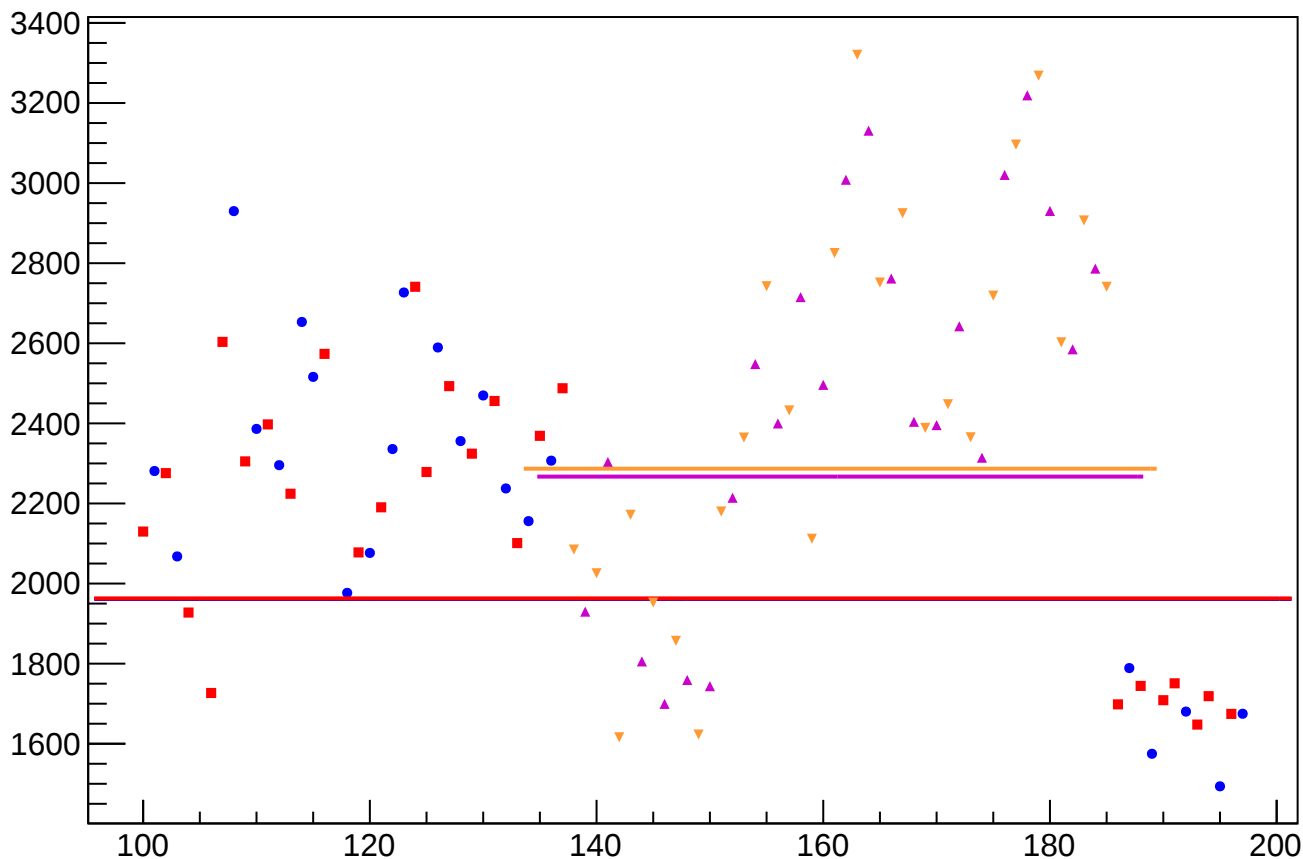
Left In: 51.328 ± 0.558 $\chi^2/\text{NDF}: 4257.8/22$

+ sign 30.813 ± 0.415 $\chi^2/\text{NDF}: 8183.5/46$

All: 24.241 ± 0.290 $\chi^2/\text{NDF}: 23819.9/95$

- sign 17.942 ± 0.406 $\chi^2/\text{NDF}: 15144.5/48$

diff_bpm0i01X_rms vs Slug



Right In: 1961.483 $\pm$ 0.453 χ^2 /NDF: 685533.0/21

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

Right Out: 1962.887 $\pm$ 0.418 χ^2 /NDF: 554772.3/25

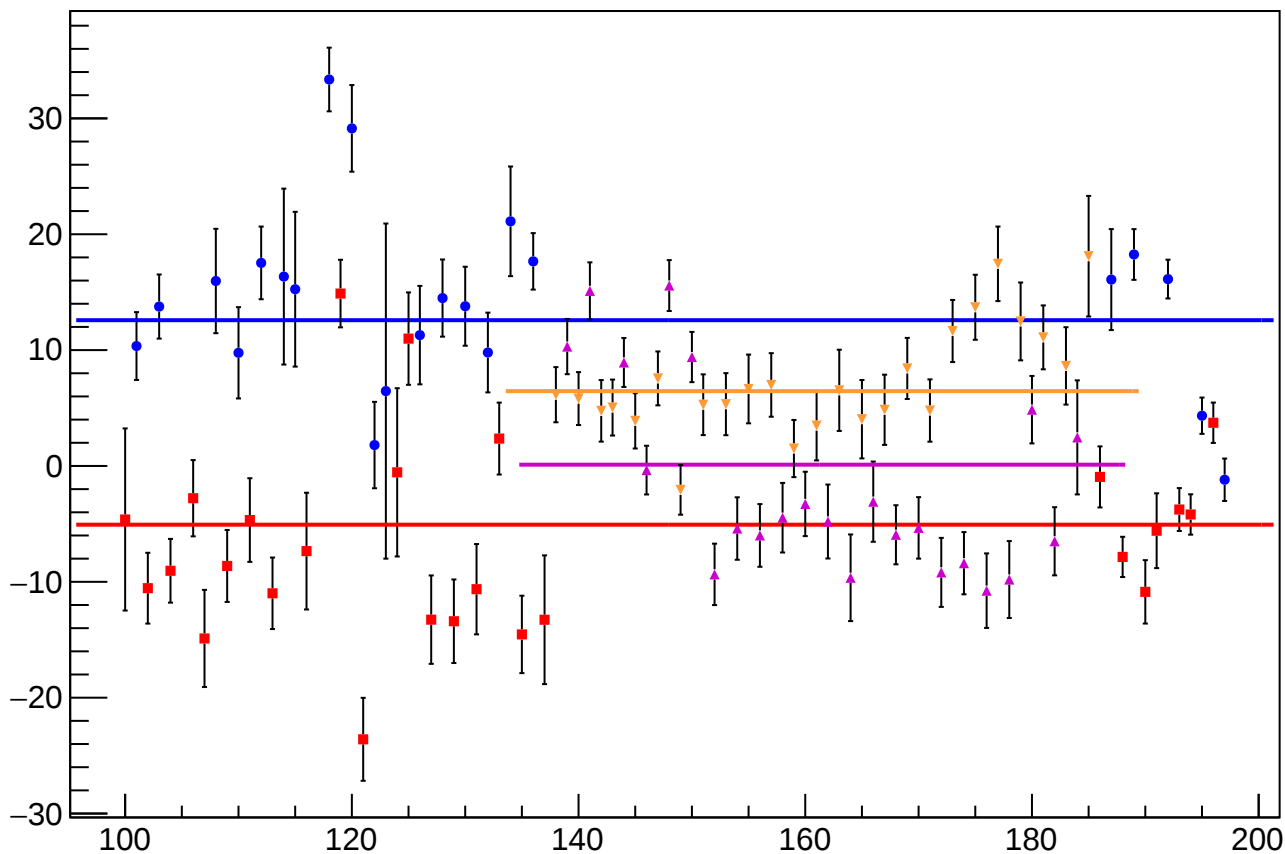
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2150.435 $\pm$ 0.293 χ^2 /NDF: 2345858.6/46

All: 2136.777 $\pm$ 0.205 χ^2 /NDF: 4498119.1/95

- sign 2123.688 $\pm$ 0.287 χ^2 /NDF: 2148011.4/48

diff_bpm0i01Y_mean vs Slug



Right In: 12.582 ± 0.616 χ^2/NDF : 195.1/21

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

Right Out: -5.068 ± 0.568 χ^2/NDF : 170.4/25

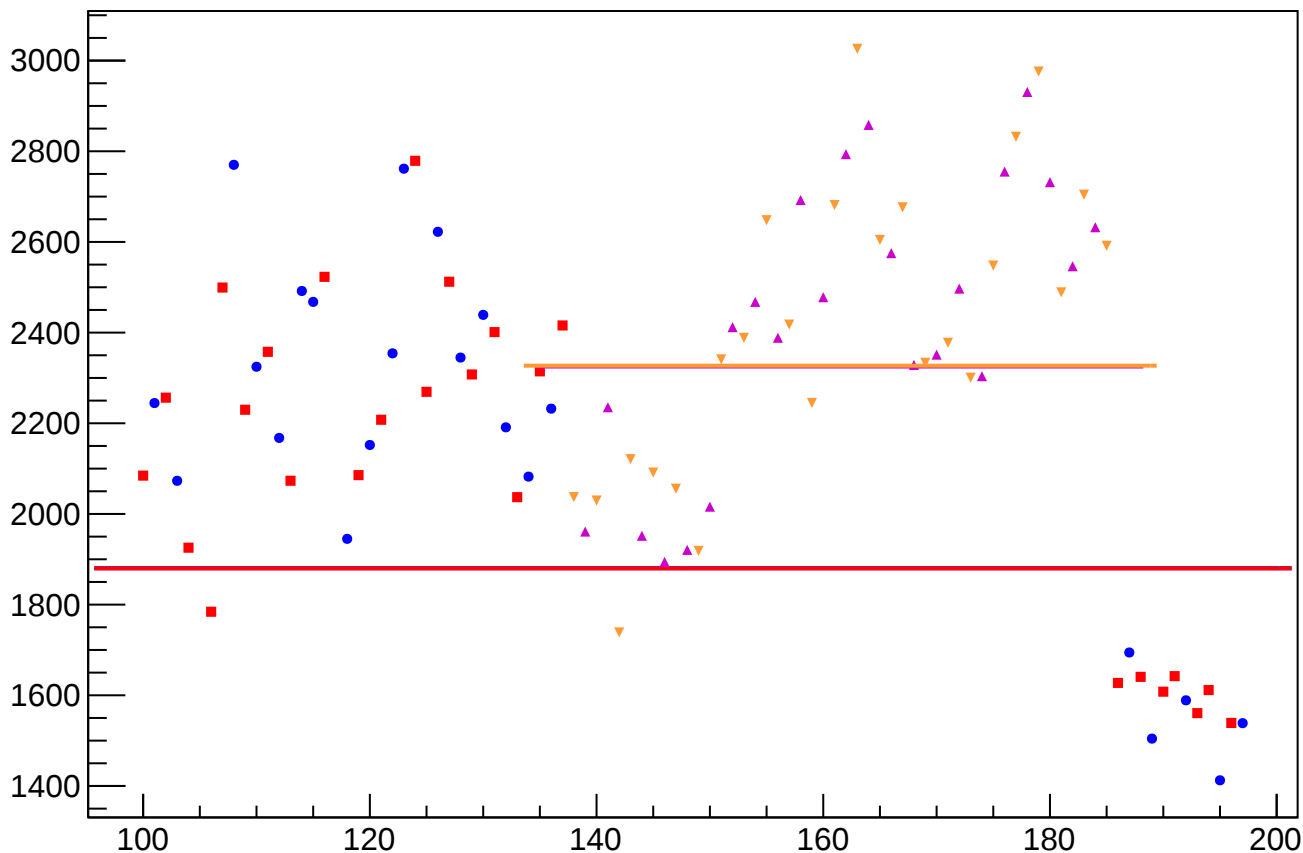
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 9.163 ± 0.409 χ^2/NDF : 309.1/46

All: 3.225 ± 0.286 χ^2/NDF : 1168.2/95

- sign -2.466 ± 0.401 χ^2/NDF : 446.8/48

diff_bpm0i01Y_rms vs Slug



Right In: 1880.253+/-0.435 χ^2/NDF : 827815.9/21

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

Right Out: 1879.985+/-0.402 χ^2/NDF : 702013.1/25

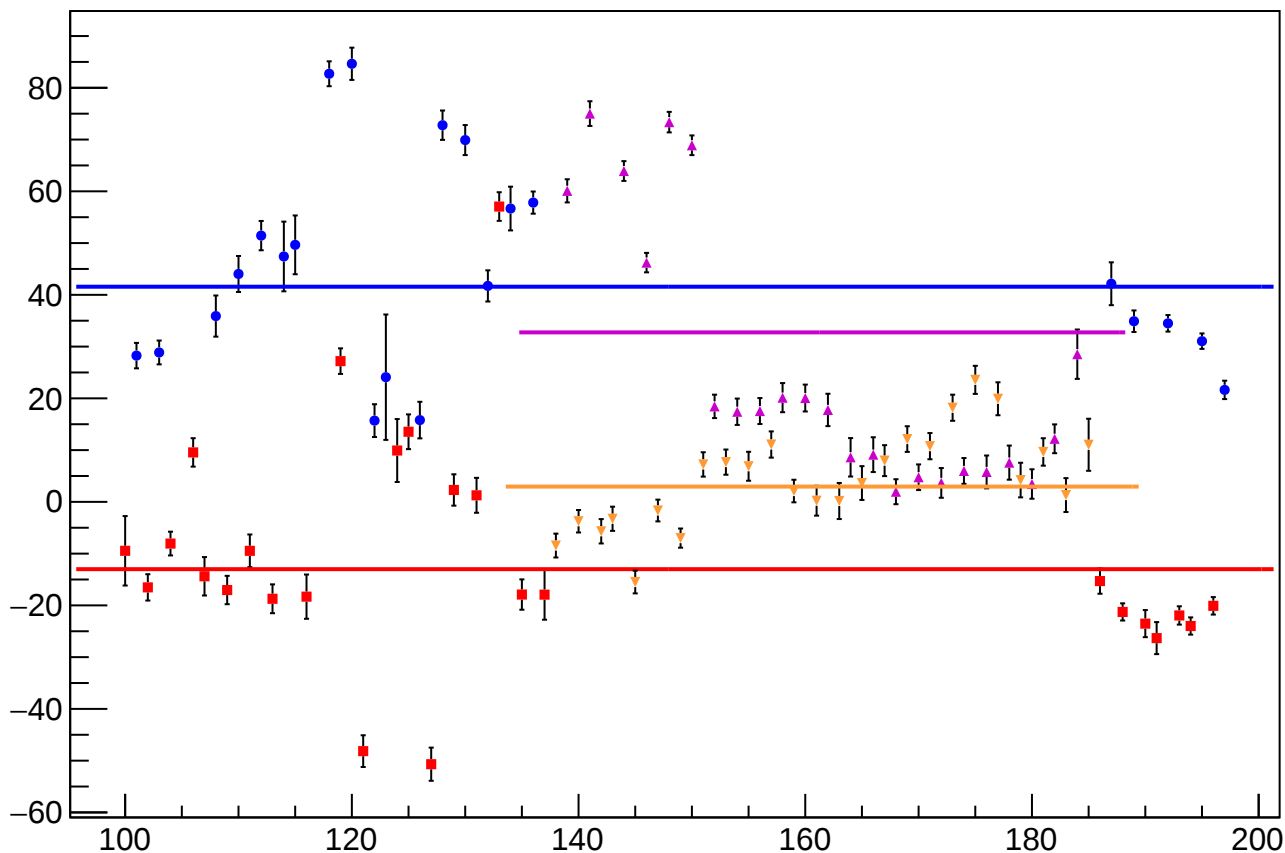
Left In: 2325.175+/-0.400 χ^2/NDF : 610729.2/22

+ sign 2129.751+/-0.289 χ^2/NDF : 2062530.3/46

All: 2116.427+/-0.202 χ^2/NDF : 3996943.6/95

- sign 2103.656+/-0.283 χ^2/NDF : 1930259.9/48

diff_bpm0i01aX_mean vs Slug



Right In: 41.571 ± 0.558 χ^2/NDF : 1175.6/21

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

Right Out: -13.003 ± 0.515 χ^2/NDF : 1530.6/25

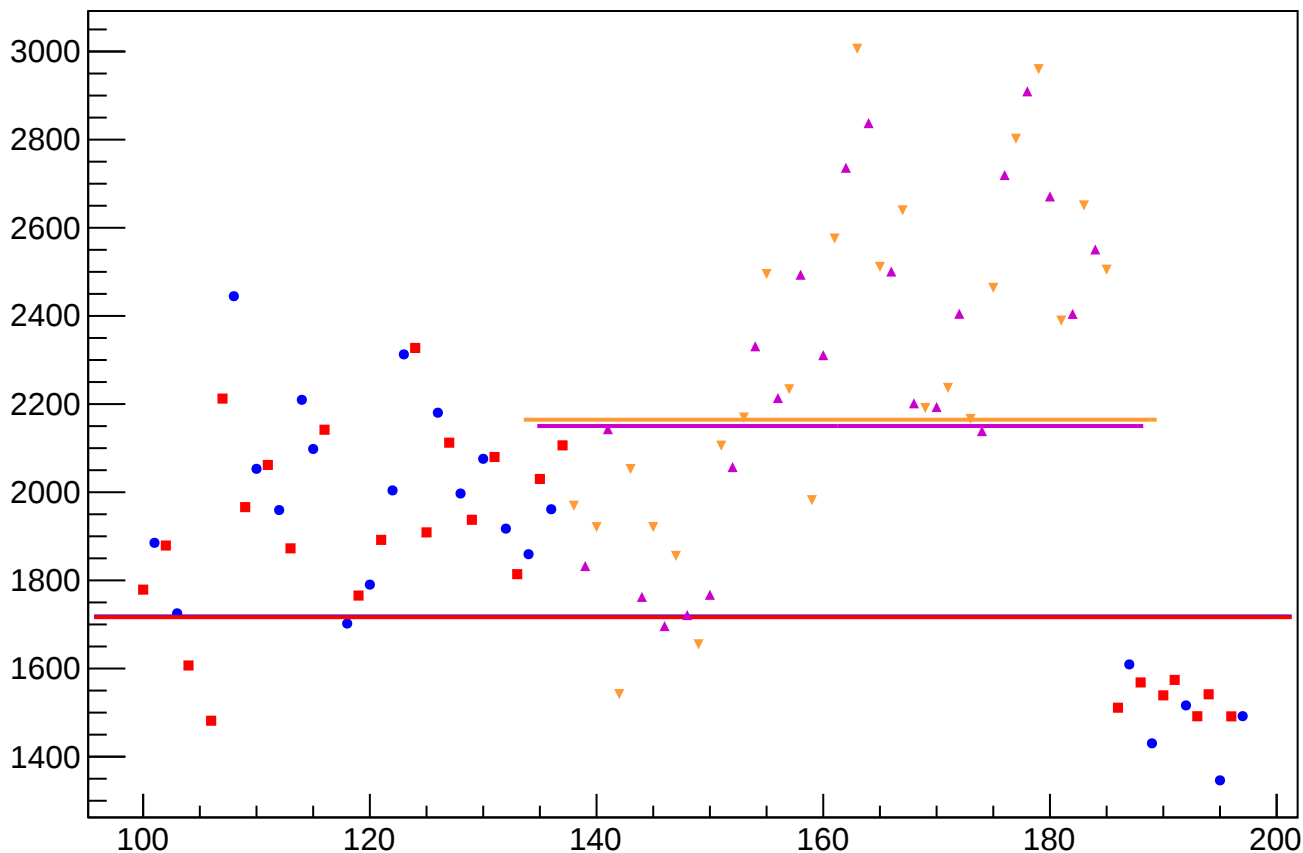
Left In: 32.745 ± 0.526 χ^2/NDF : 2632.5/22

+ sign 20.607 ± 0.377 χ^2/NDF : 4115.0/46

All: 14.860 ± 0.263 χ^2/NDF : 12591.6/95

- sign 9.388 ± 0.368 χ^2/NDF : 8023.4/48

diff_bpm0i01aX_rms vs Slug



Right In: 1718.128+/-0.394 χ^2/NDF : 499510.7/21

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

Right Out: 1716.534+/-0.364 χ^2/NDF : 399867.1/25

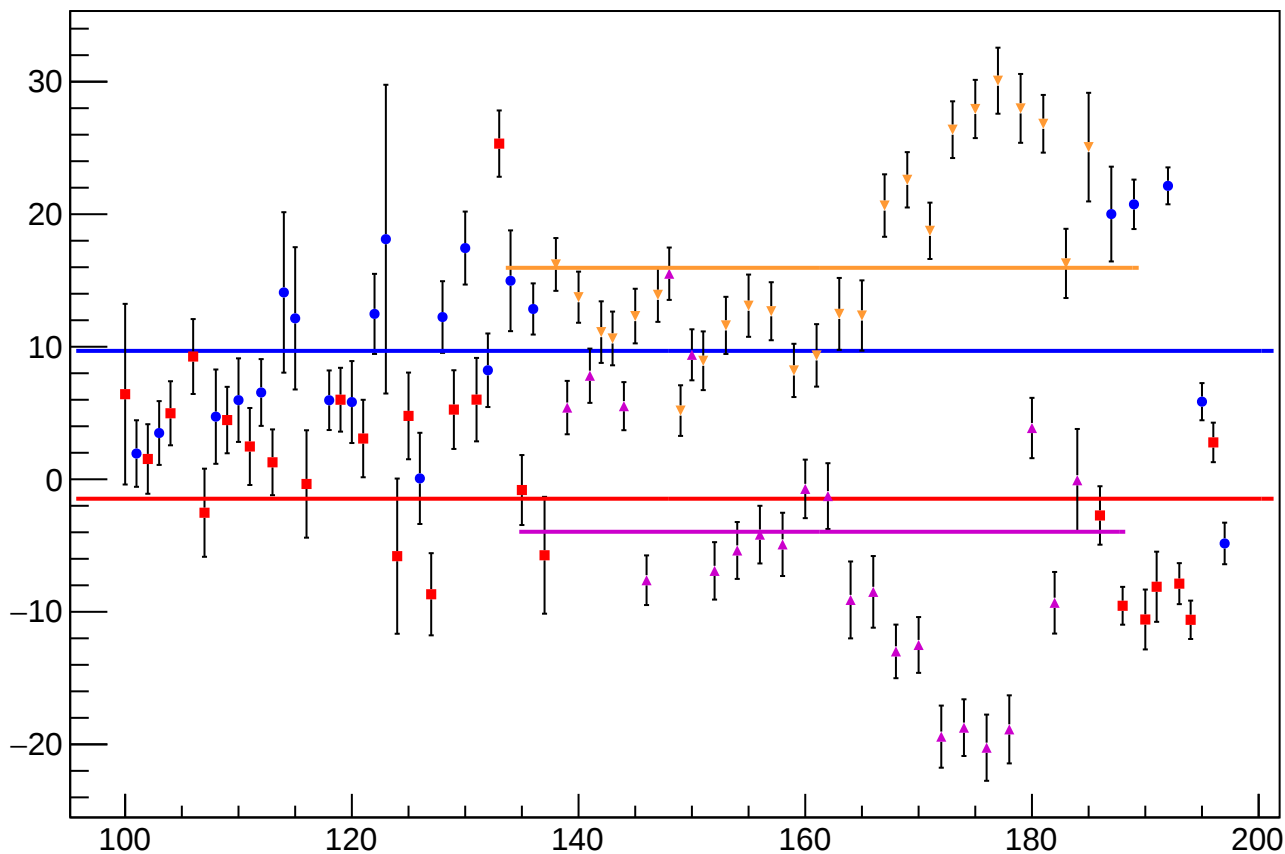
Left In: 2150.190+/-0.372 χ^2/NDF : 911849.7/22

+ sign 1960.482+/-0.267 χ^2/NDF : 2160473.9/46

All: 1944.244+/-0.186 χ^2/NDF : 4173168.4/95

- sign 1928.781+/-0.260 χ^2/NDF : 2005458.1/48

diff_bpm0i01aY_mean vs Slug



Right In: 9.688 ± 0.515 χ^2/NDF : 265.7/21

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

Right Out: -1.467 ± 0.470 χ^2/NDF : 301.2/25

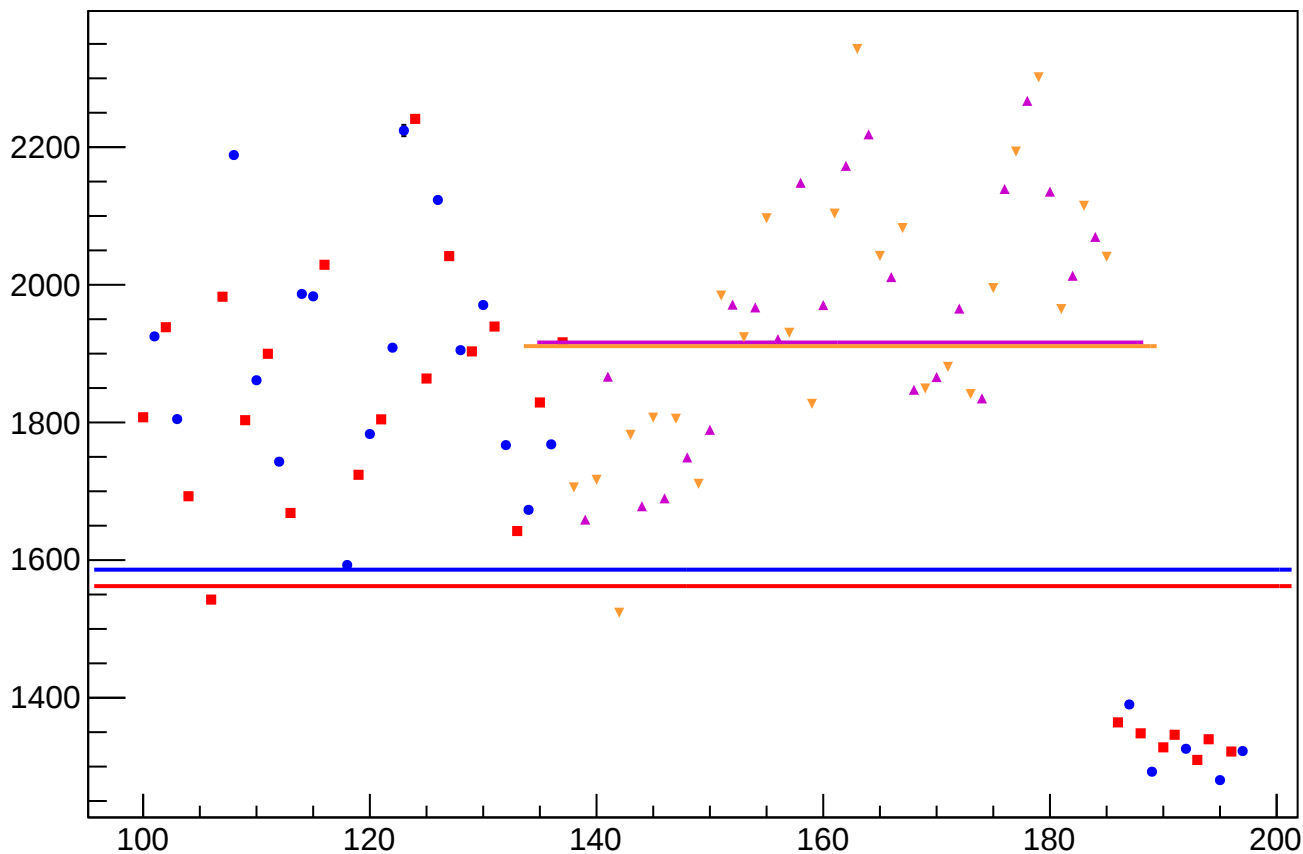
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 13.262 ± 0.338 χ^2/NDF : 595.2/46

All: 5.074 ± 0.236 χ^2/NDF : 2523.1/95

- sign -2.734 ± 0.330 χ^2/NDF : 780.4/48

diff_bpm0i01aY_rms vs Slug



Right In: 1586.112 $\pm$ 0.364 χ^2 /NDF: 609687.6/21

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

Right Out: 1562.189 $\pm$ 0.333 χ^2 /NDF: 610715.1/25

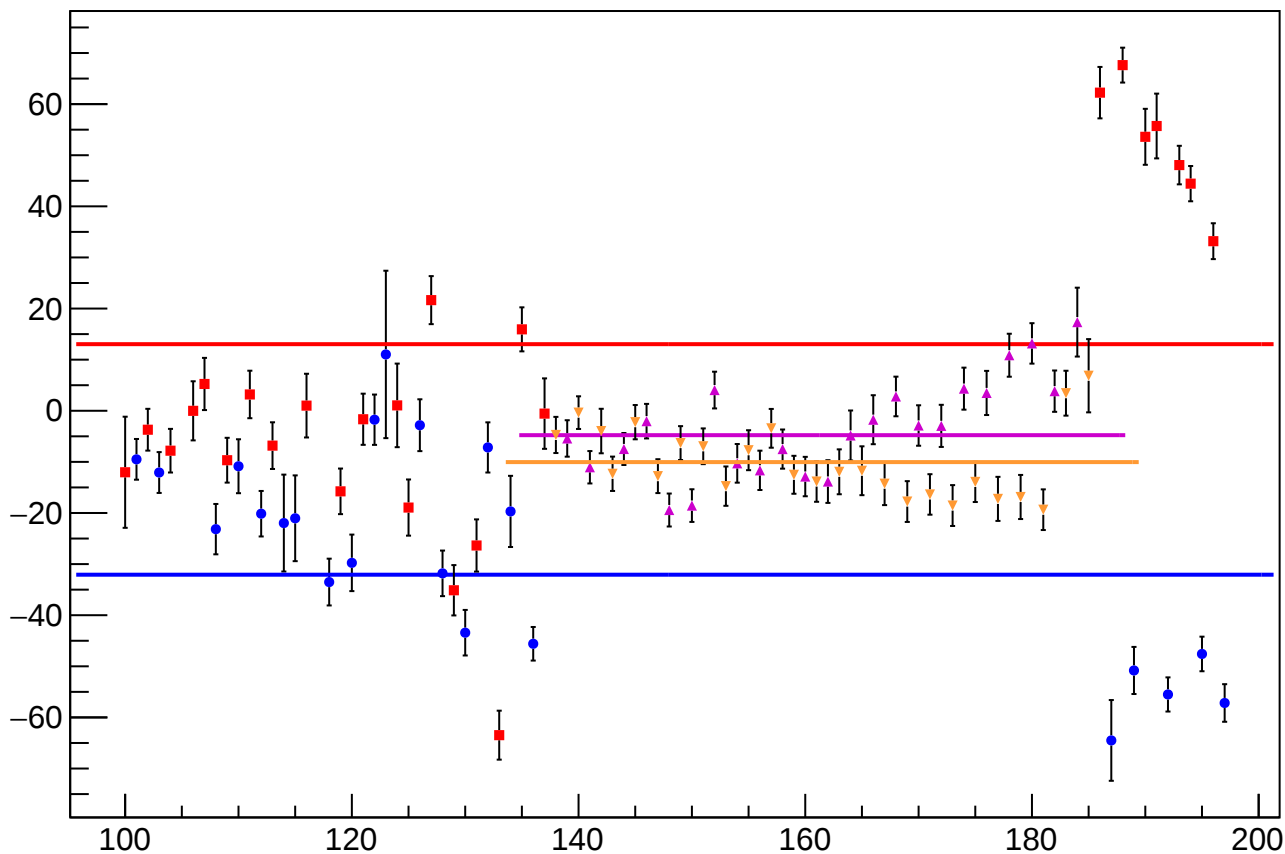
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1771.276 $\pm$ 0.239 χ^2 /NDF: 1391559.1/46

All: 1756.304 $\pm$ 0.167 χ^2 /NDF: 2859722.2/95

- sign 1742.027 $\pm$ 0.233 χ^2 /NDF: 1460489.3/48

diff_bpm0l01X_mean vs Slug



Right In: -32.075 ± 0.994 χ^2/NDF : 367.5/21

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

Right Out: 13.032 ± 0.927 χ^2/NDF : 1265.3/25

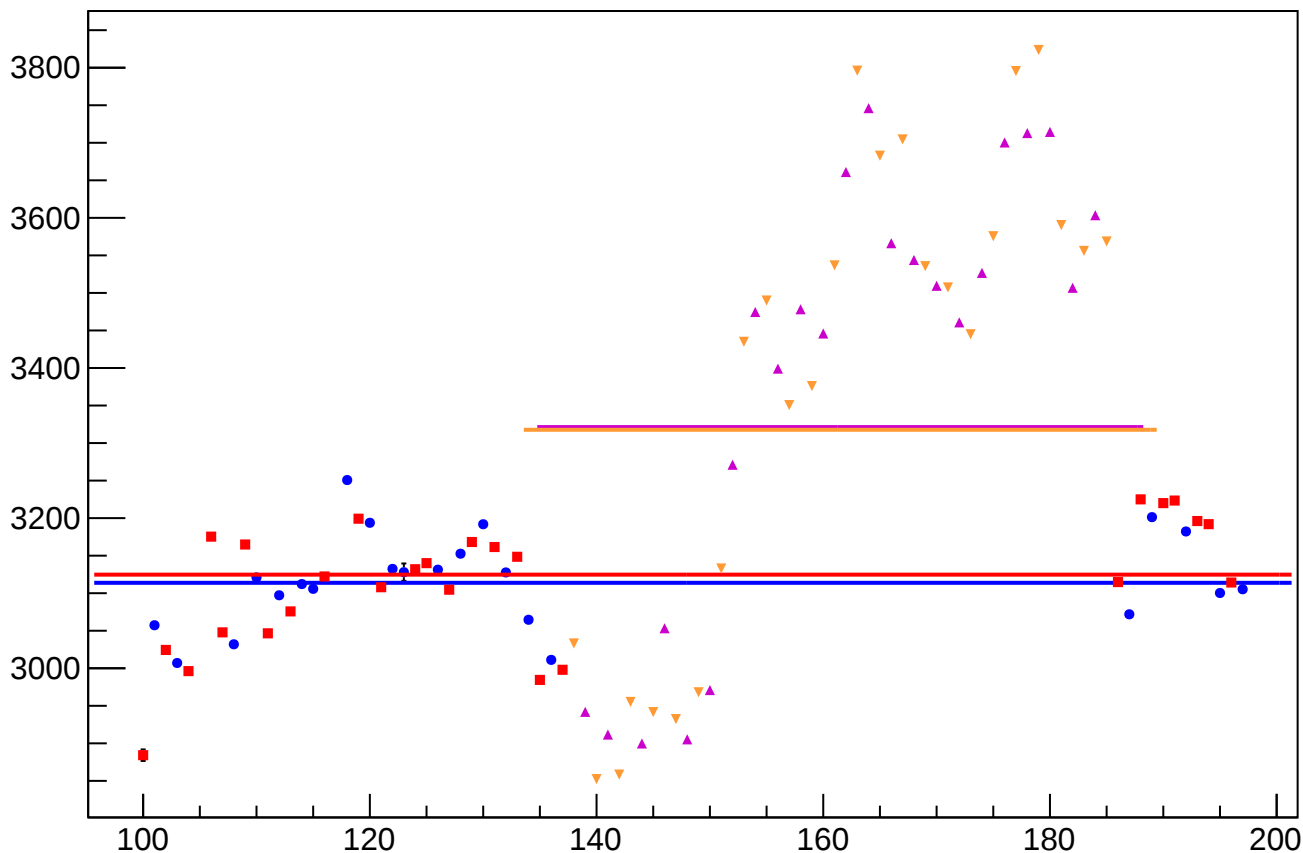
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -18.390 ± 0.612 χ^2/NDF : 739.8/46

All: -7.673 ± 0.430 χ^2/NDF : 2952.6/95

- sign 2.834 ± 0.606 χ^2/NDF : 1605.2/48

diff_bpm0l01X_rms vs Slug



Right In: 3113.849 ± 0.703 χ^2/NDF : 9167.6/21

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

Right Out: 3124.721 ± 0.655 χ^2/NDF : 13625.8/25

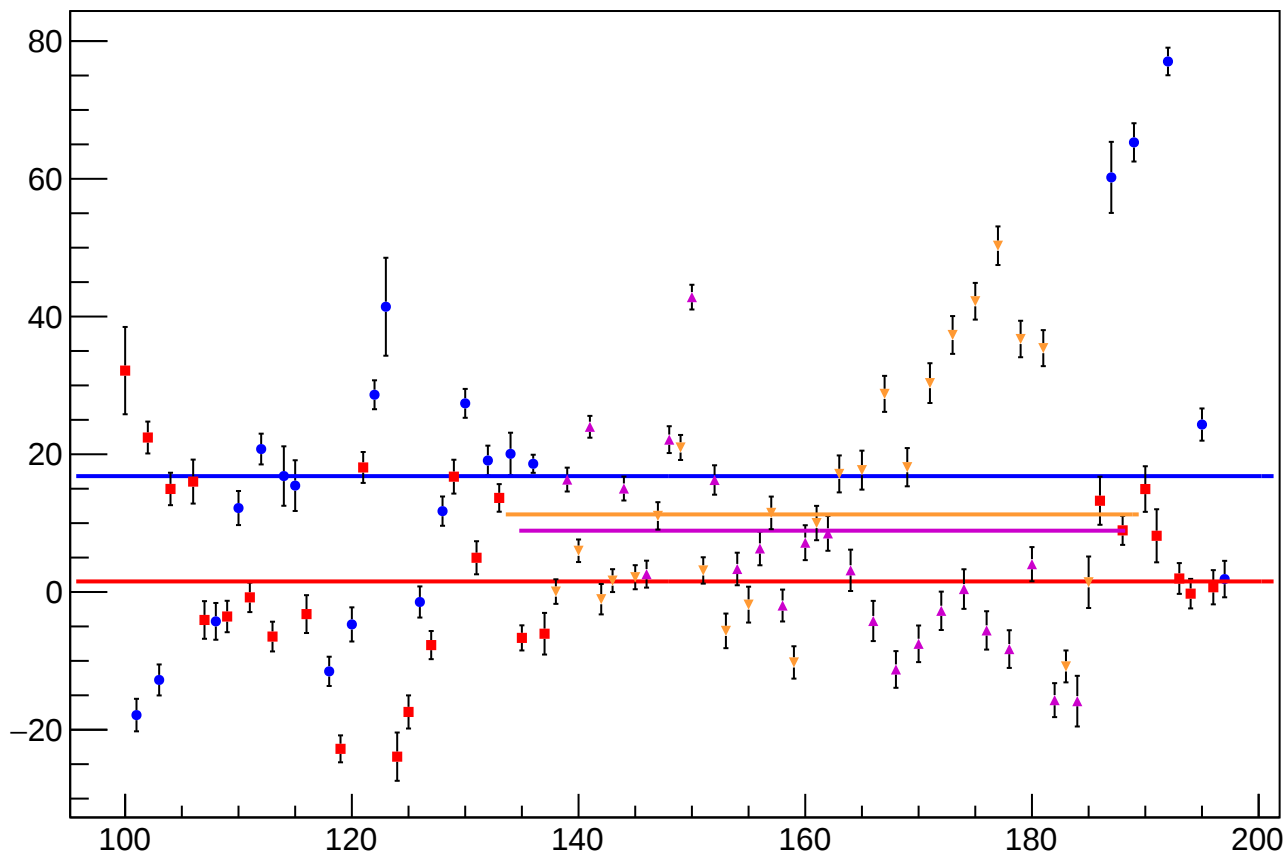
Left In: 3321.275 ± 0.566 χ^2/NDF : 284334.2/22

+ sign 3240.461 ± 0.433 χ^2/NDF : 398292.8/46

All: 3238.862 ± 0.304 χ^2/NDF : 747802.1/95

- sign 3237.295 ± 0.428 χ^2/NDF : 349482.3/48

diff_bpm0l01Y_mean vs Slug



Right In: 16.827 $\pm$ 0.505 χ^2 /NDF: 2175.8/21

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

Right Out: 1.535 $\pm$ 0.478 χ^2 /NDF: 676.4/25

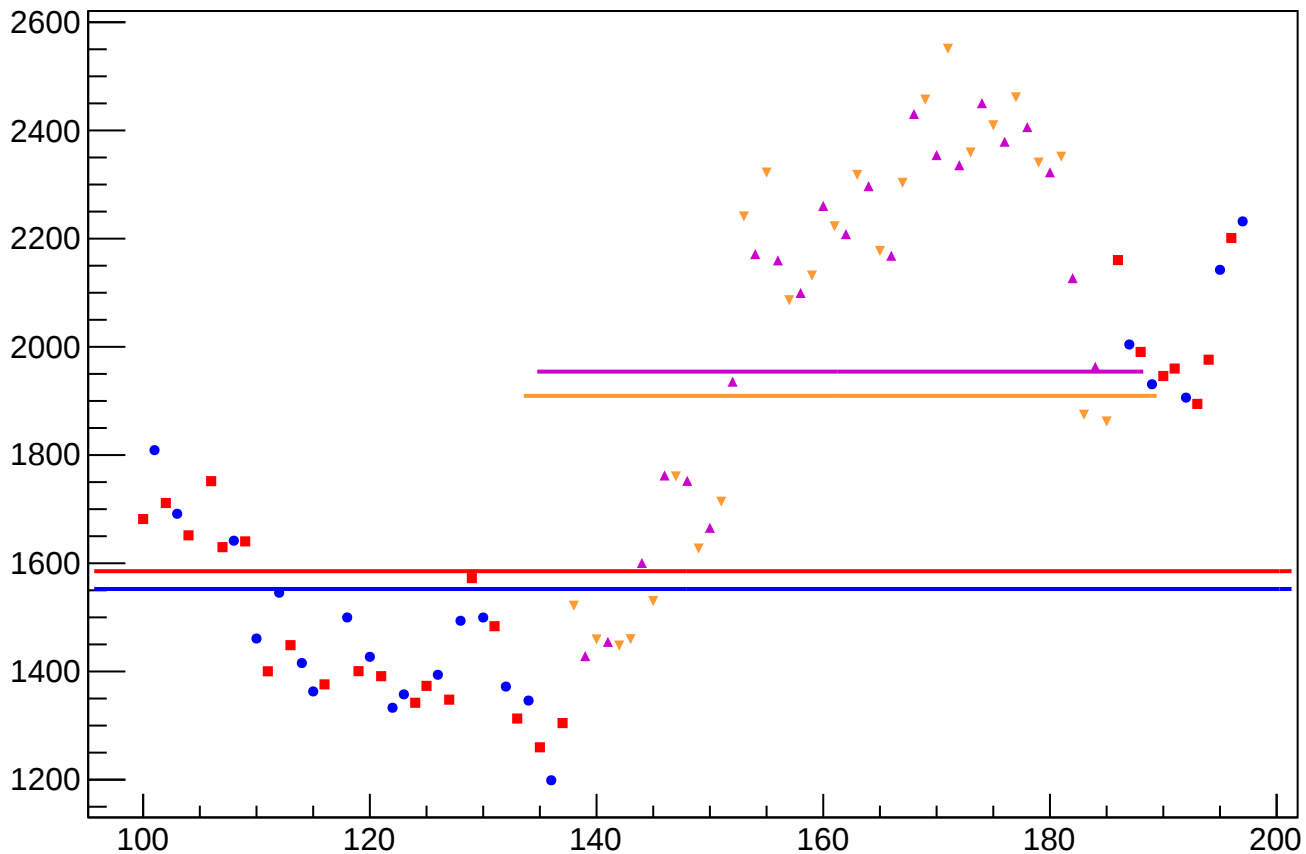
Left In: 8.905 $\pm$ 0.478 χ^2 /NDF:936.3/22

+ sign 13.756 $\pm$ 0.338 χ^2 /NDF: 3384.6/46

All: 9.491 $\pm$ 0.239 χ^2 /NDF: 5435.3/95

- sign 5.223 $\pm$ 0.338 χ^2 /NDF: 1731.6/48

diff_bpm0l01Y_rms vs Slug



Right In: 1552.444+/-0.357 χ^2/NDF : 627455.0/21

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

Right Out: 1585.394+/-0.338 χ^2/NDF : 654458.2/25

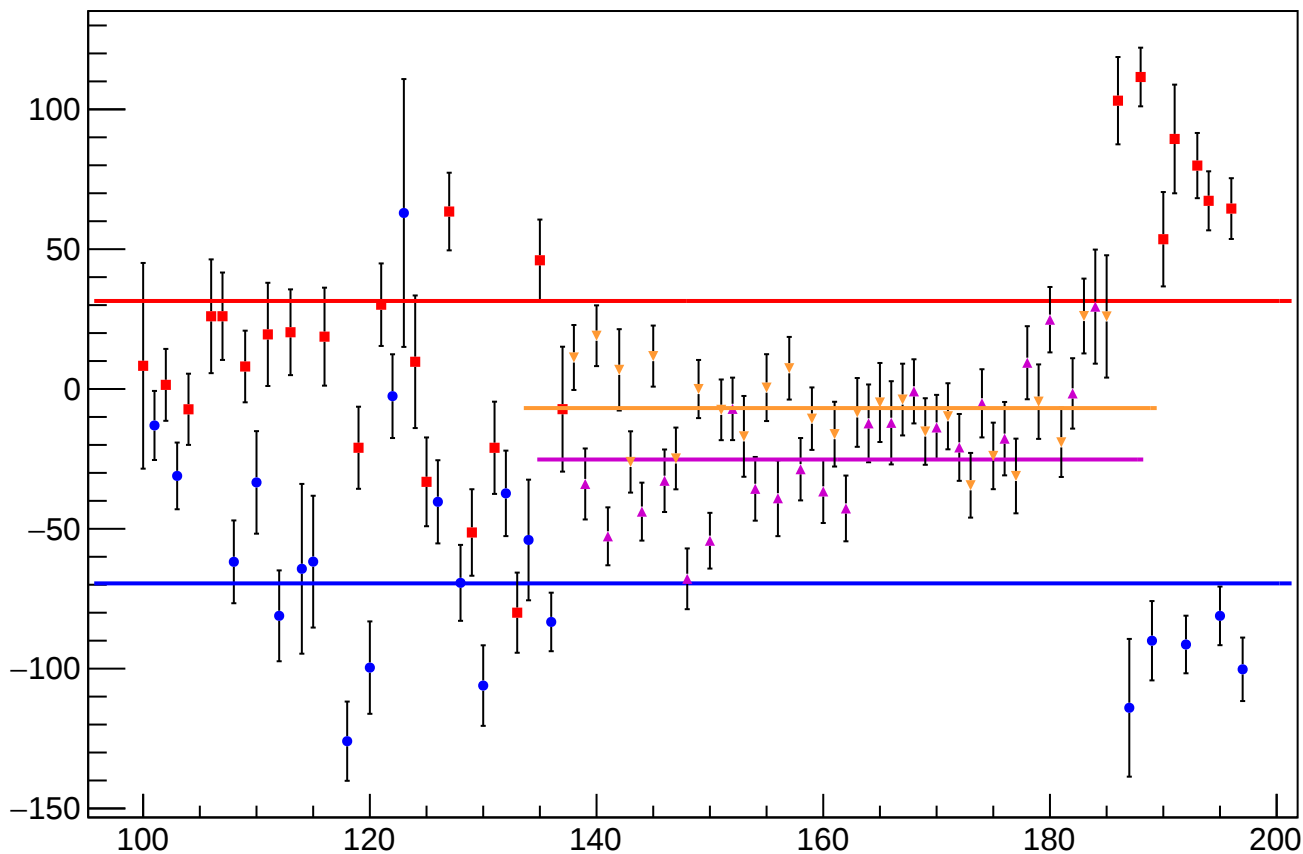
Left In: 1954.236+/-0.338 χ^2/NDF : 1044826.7/22

+ sign 1749.612+/-0.239 χ^2/NDF : 2578454.1/46

All: 1759.792+/-0.169 χ^2/NDF : 4877464.9/95

- sign 1769.979+/-0.239 χ^2/NDF : 2295374.6/48

diff_bpm0l02X_mean vs Slug



Right In: -69.515 ± 3.092 $\chi^2/\text{NDF}: 118.3/21$

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

Right Out: 31.477 ± 2.890 $\chi^2/\text{NDF}: 286.9/25$

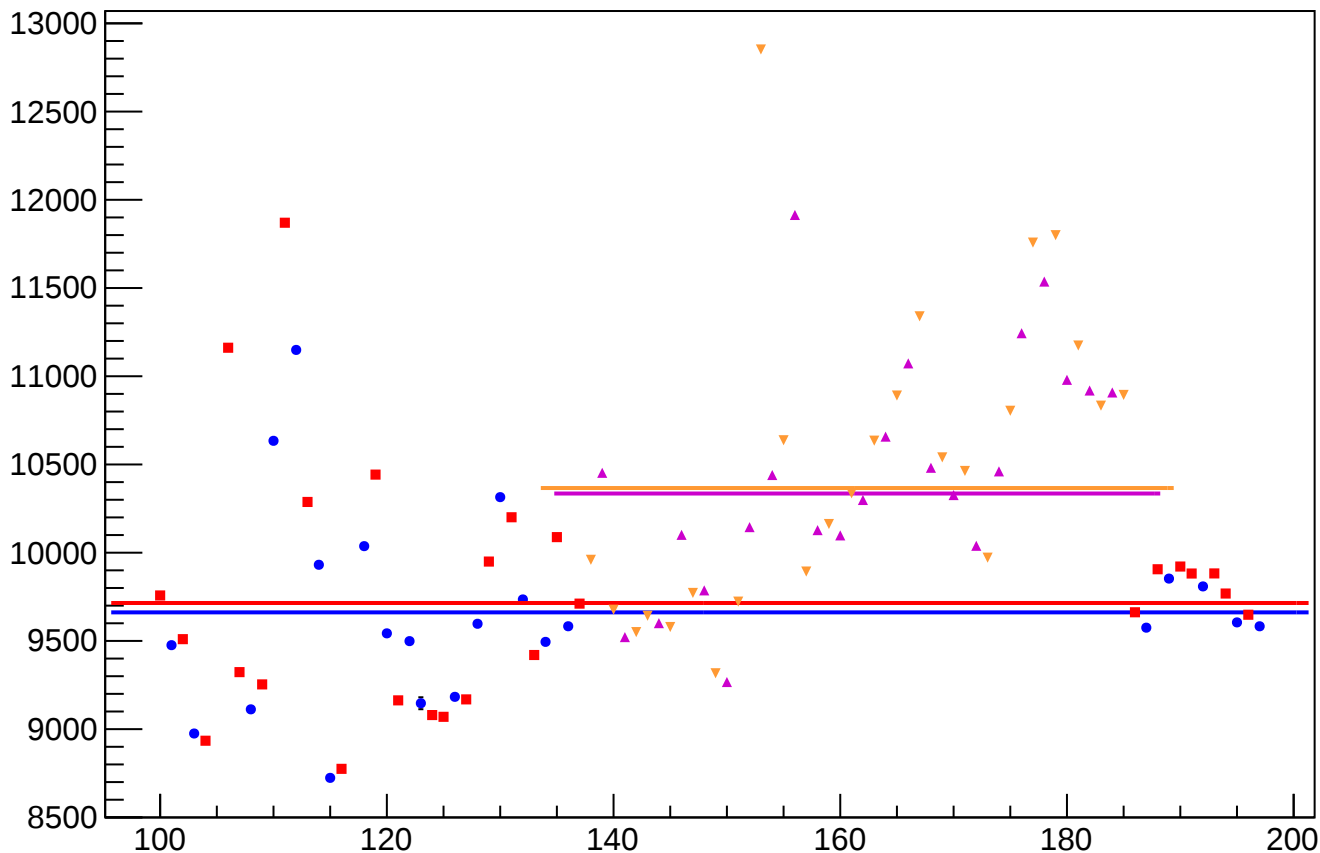
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -30.665 ± 1.907 $\chi^2/\text{NDF}: 415.3/46$

All: -15.706 ± 1.341 $\chi^2/\text{NDF}: 1134.2/95$

- sign -1.095 ± 1.885 $\chi^2/\text{NDF}: 597.3/48$

diff_bpm0l02X_rms vs Slug



Right In: 9661.805+/-2.187 χ^2/NDF : 44981.0/21

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

Right Out: 9714.972+/-2.043 χ^2/NDF : 79390.9/25

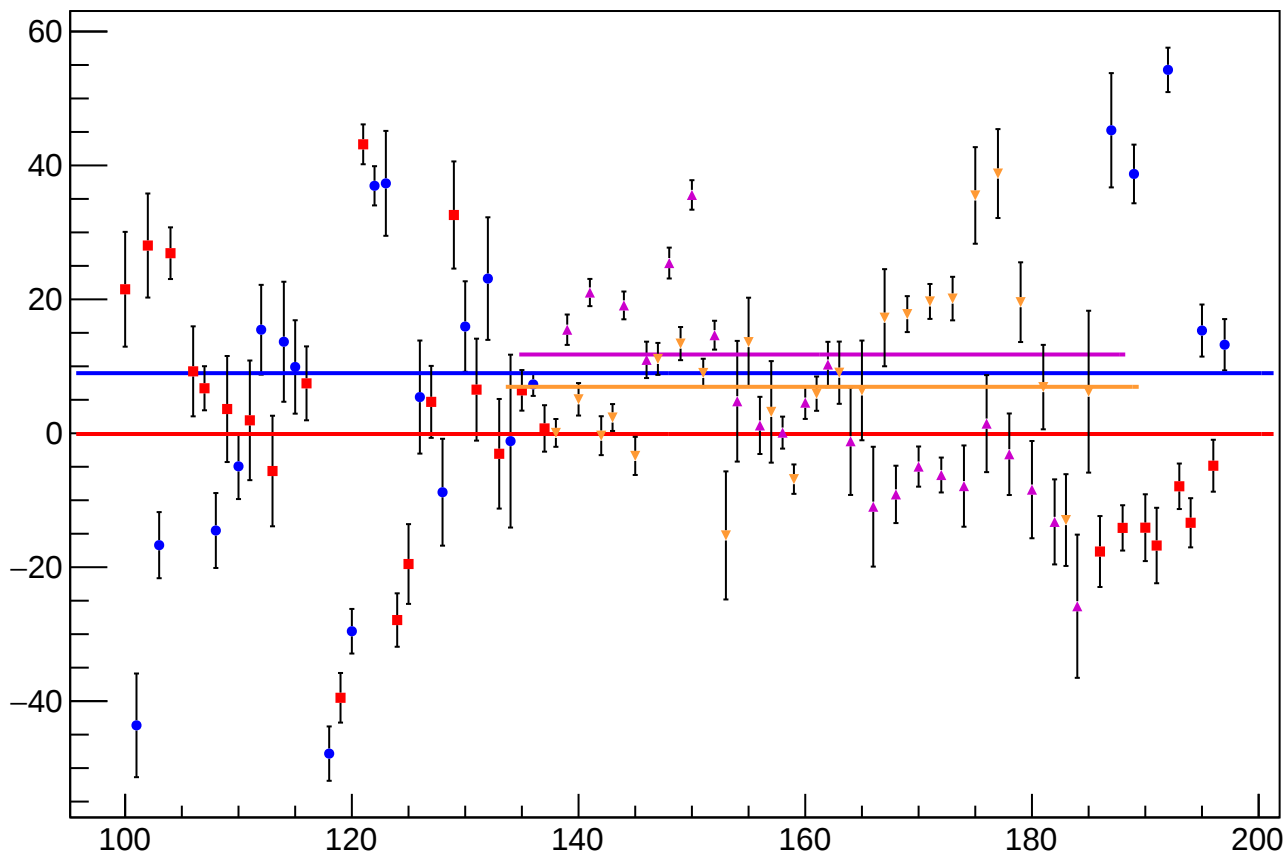
Left In: 10335.399+/-1.758 χ^2/NDF : 127173.0/22

+ sign 10098.530+/-1.348 χ^2/NDF : 320749.4/46

All: 10084.820+/-0.948 χ^2/NDF : 580491.8/95

- sign 10071.429+/-1.333 χ^2/NDF : 259538.1/48

diff_bpm0l02Y_mean vs Slug



Right In: 8.979 ± 0.925 χ^2/NDF : 799.2/21

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

Right Out: -0.107 ± 0.891 χ^2/NDF : 548.3/25

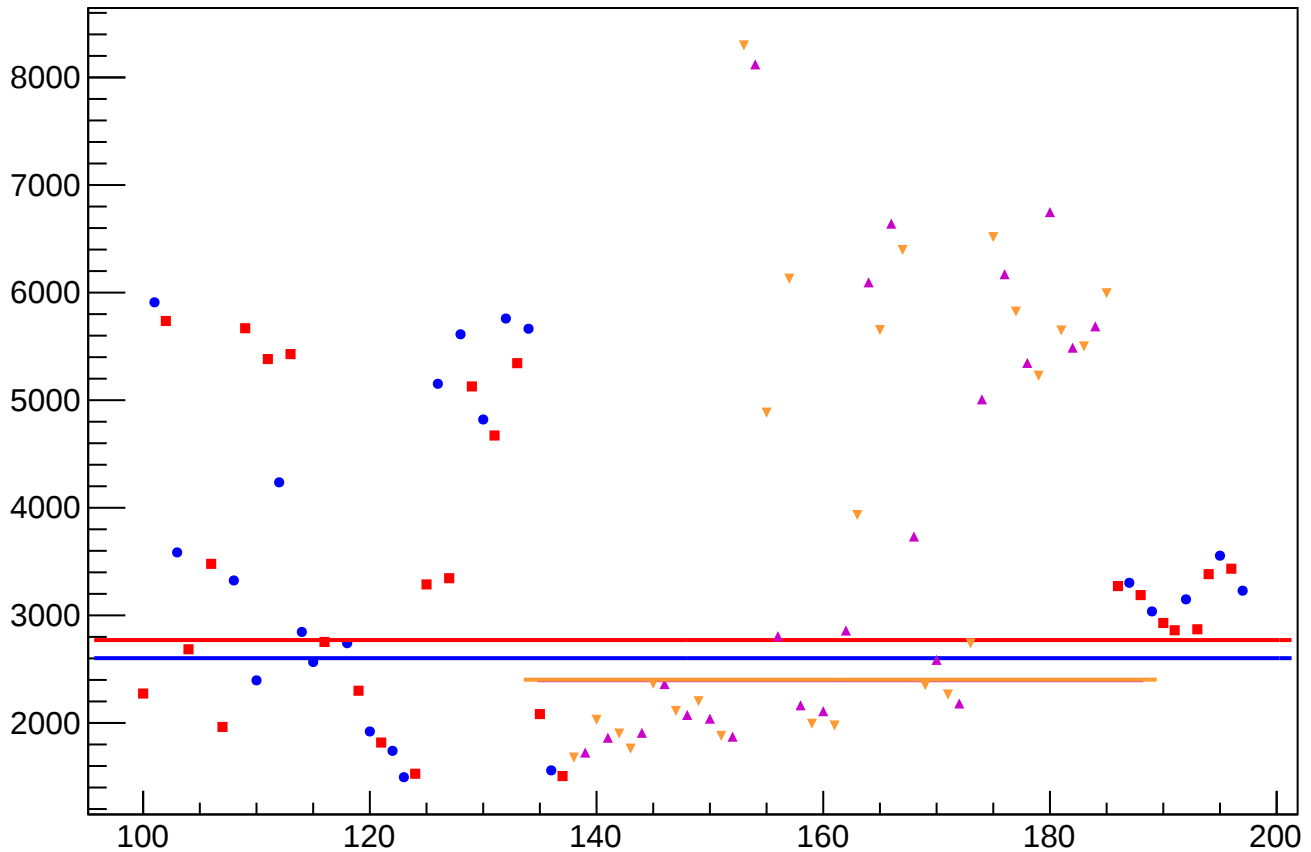
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

+ sign 7.598 ± 0.526 χ^2/NDF : 1006.3/46

All: 7.626 ± 0.371 χ^2/NDF : 2065.9/95

- sign 7.653 ± 0.524 χ^2/NDF : 1059.5/48

diff_bpm0l02Y_rms vs Slug



Right In: 2602.289 $\pm$ 0.654 χ^2 /NDF: 2930038.9/21

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

Right Out: 2770.385 $\pm$ 0.630 χ^2 /NDF: 2588312.9/25

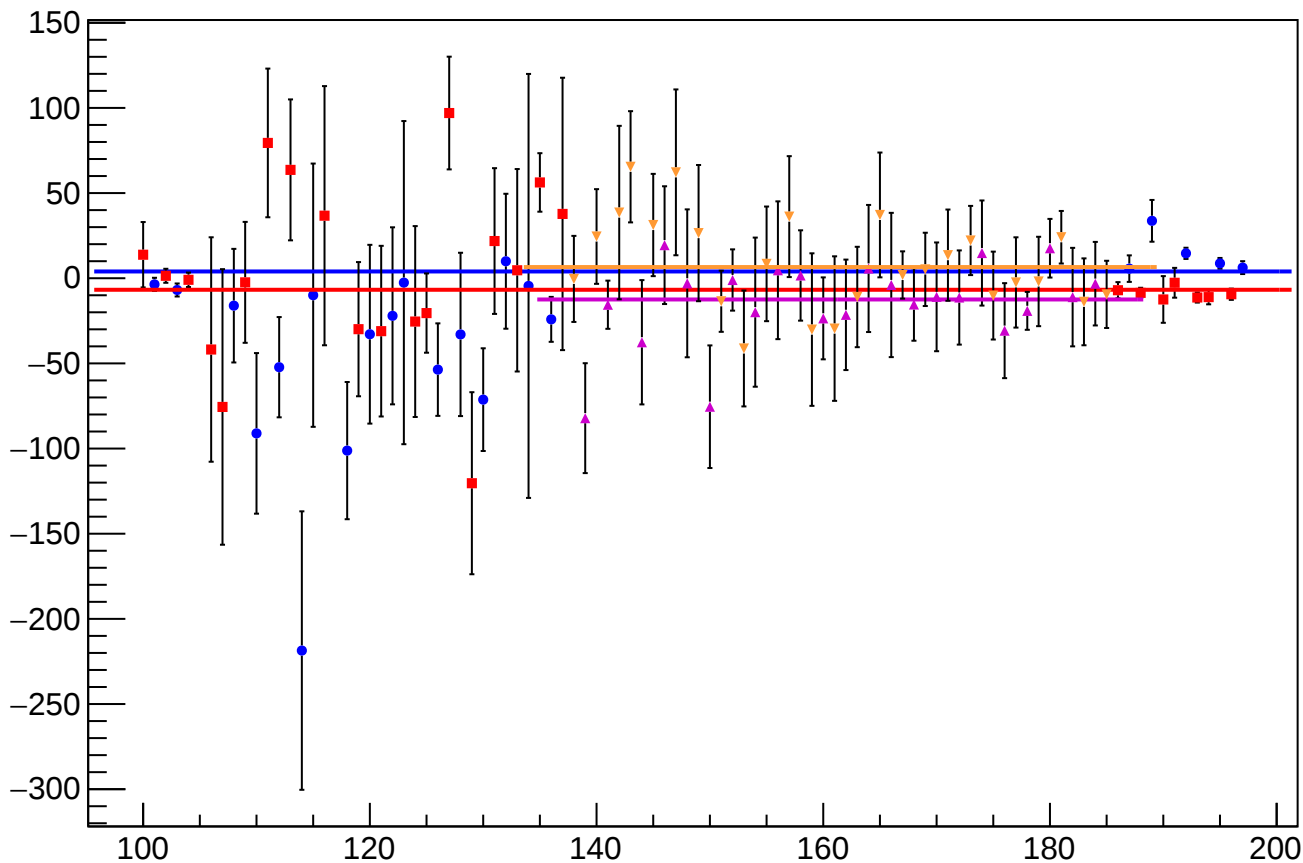
Left In: 2397.701 $\pm$ 0.458 χ^2 /NDF: 5398920.1/22

+ sign 2466.926 $\pm$ 0.372 χ^2 /NDF: 9339299.6/46

All: 2496.935 $\pm$ 0.262 χ^2 /NDF: 17568425.1/9

- sign 2526.785 $\pm$ 0.371 χ^2 /NDF: 8216119.6/48

diff_bpm0l03X_mean vs Slug



Right In: 3.975 ± 1.518 χ^2/NDF : 69.9/21

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

Right Out: -6.776 ± 1.332 χ^2/NDF : 49.6/25

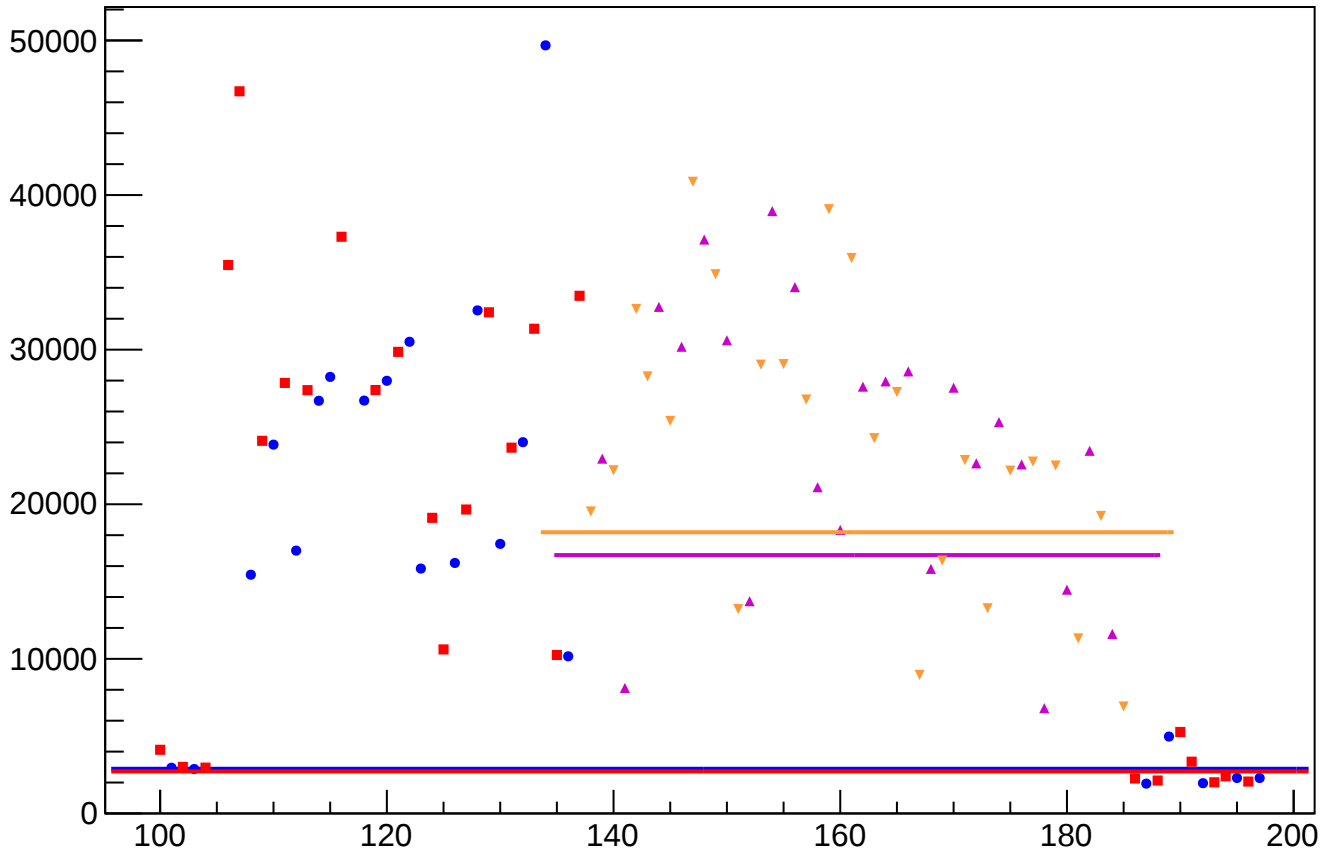
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 4.187 ± 1.454 χ^2/NDF : 86.9/46

All: -2.168 ± 0.964 χ^2/NDF : 187.2/95

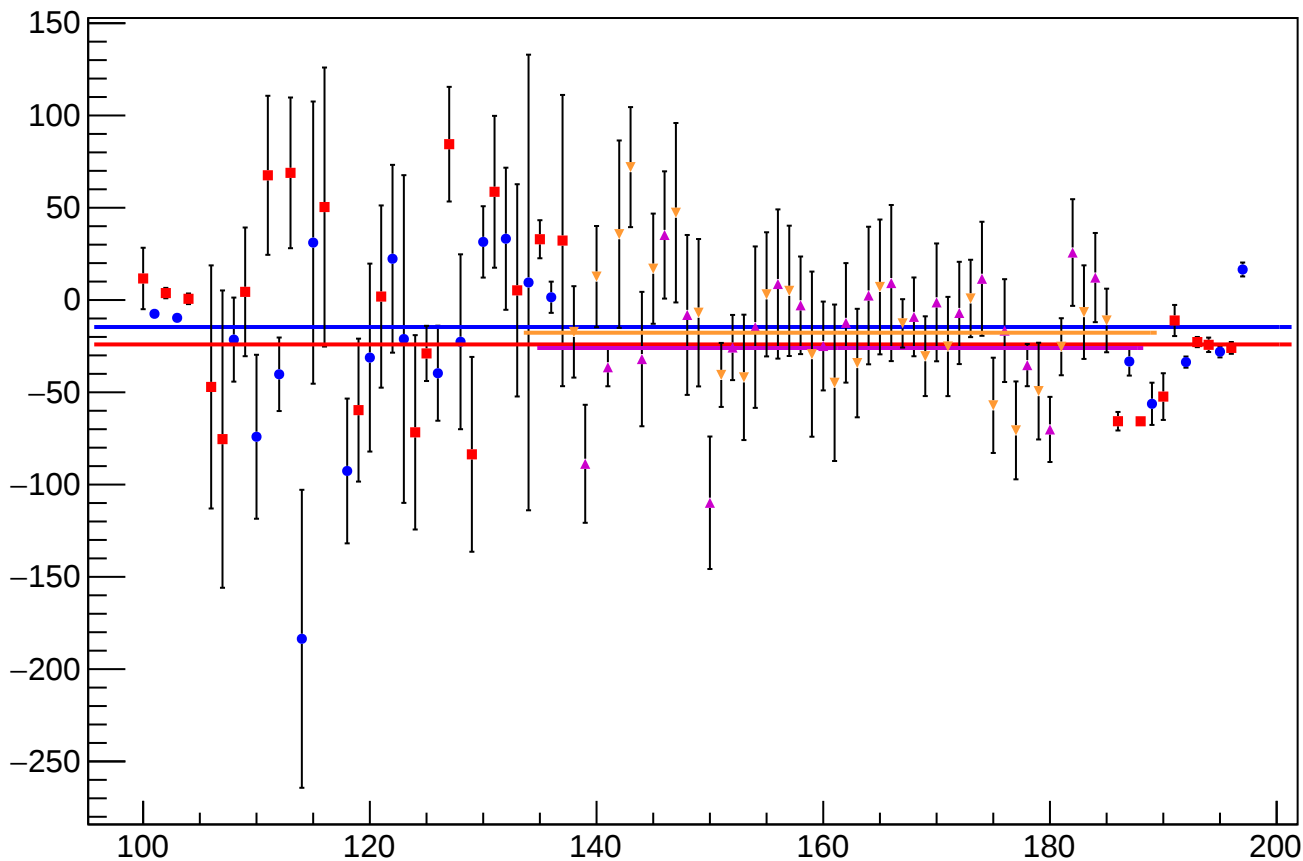
- sign -7.150 ± 1.287 χ^2/NDF : 66.2/48

diff_bpm0l03X_rms vs Slug



Right In: 2890.386+/-1.073	χ^2/NDF : 6821806.1/21	+ sign 4145.528+/-1.028	χ^2/NDF : 28753726.2/46
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 3860.682+/-0.682	χ^2/NDF : 58119861.1/9
Right Out: 2718.838+/-0.942	χ^2/NDF : 8542056.5/25	- sign 3637.430+/-0.910	χ^2/NDF : 29229268.3/48
Left In: 16713.653+/-3.553	χ^2/NDF : 6194178.8/22		

diff_bpm0l03Y_mean vs Slug



Right In: -14.626 ± 1.264 χ^2/NDF : 181.4/21

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

Right Out: -24.061 ± 1.146 χ^2/NDF : 553.4/25

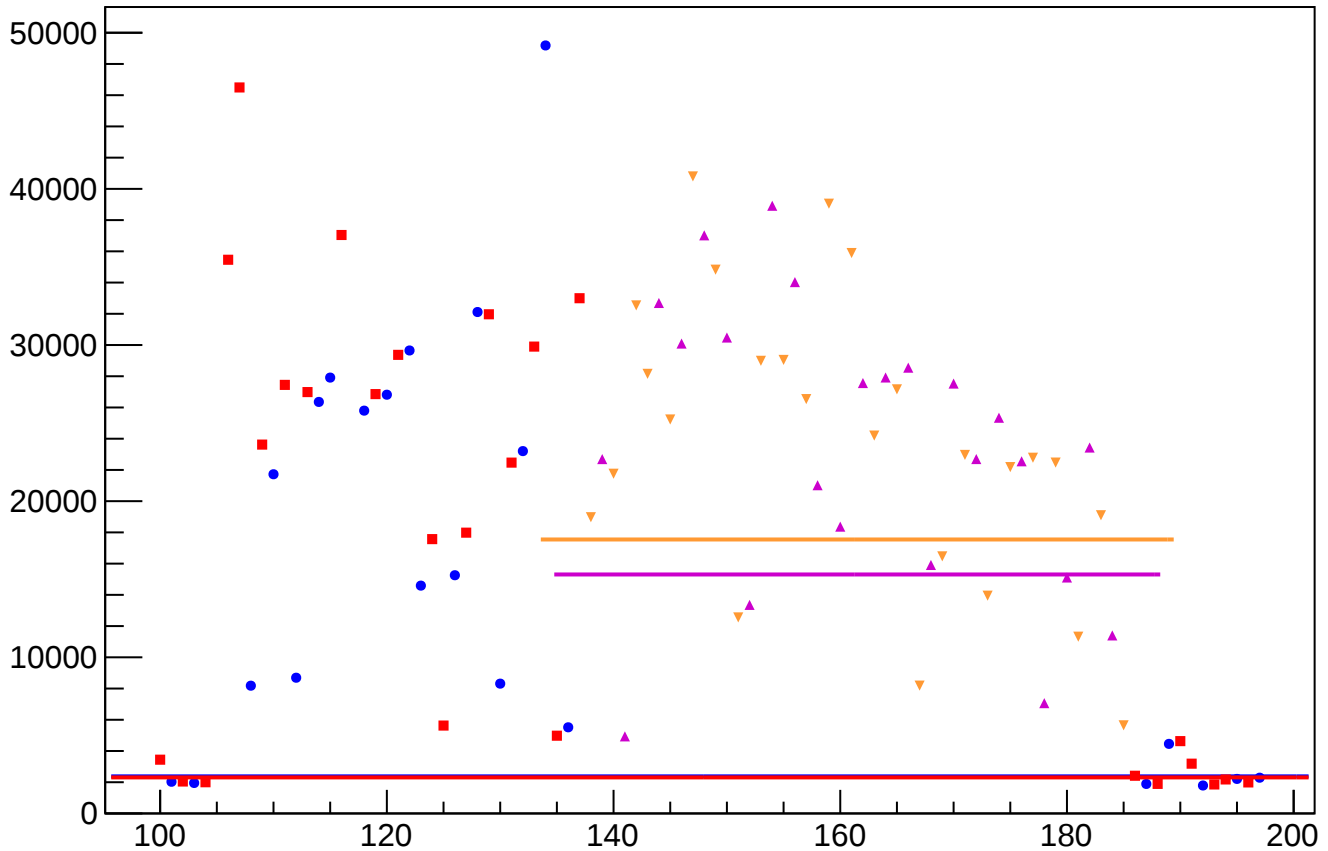
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -14.813 ± 1.225 χ^2/NDF : 209.0/46

All: -19.933 ± 0.824 χ^2/NDF : 827.0/95

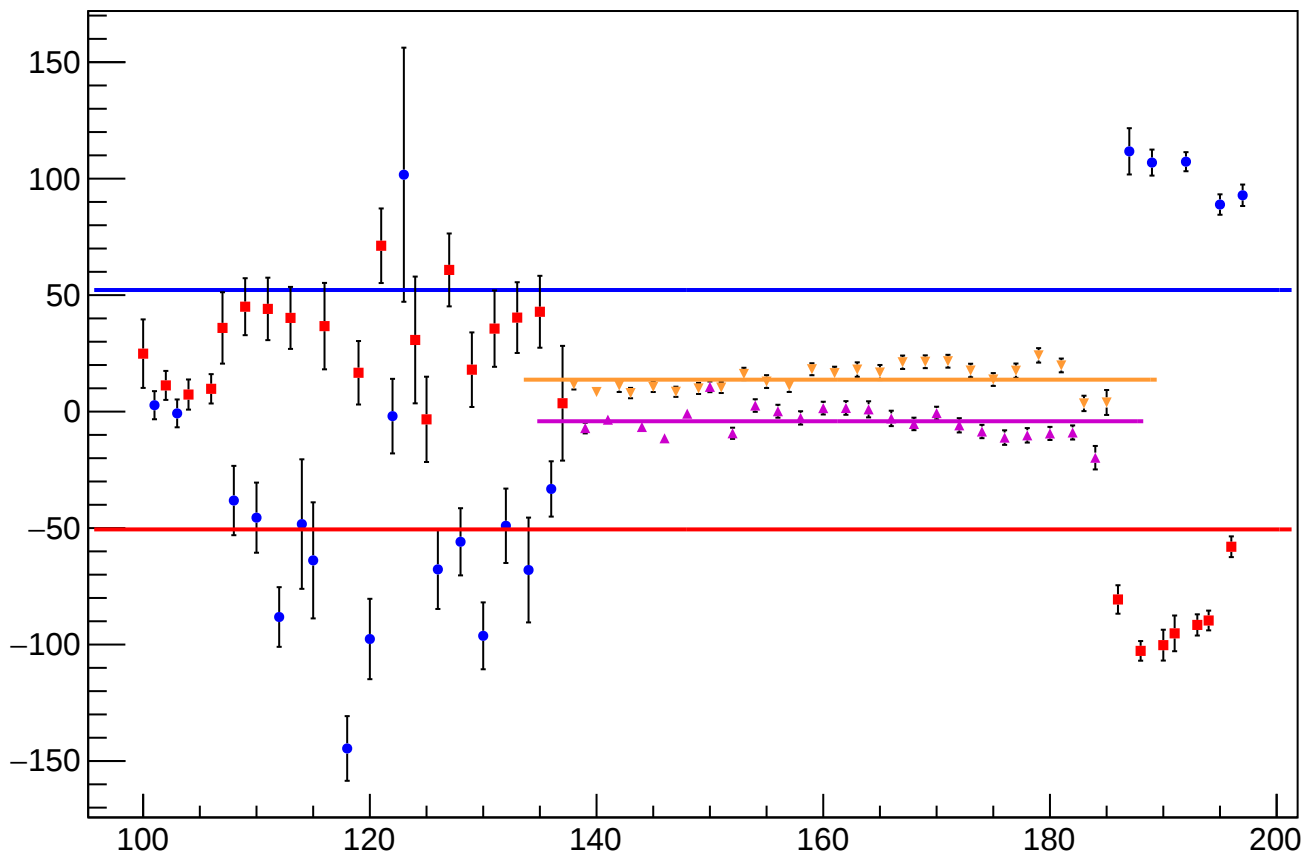
- sign -24.166 ± 1.114 χ^2/NDF : 586.1/48

diff_bpm0l03Y_rms vs Slug



Right In: 2375.623+/-0.894	χ^2/NDF : 5765516.9/21	+ sign 3296.112+/-0.866	χ^2/NDF : 29142311.1/46
Left Out: 17546.173+/-3.517	χ^2/NDF : 5902620.4/24	All: 3140.564+/-0.583	χ^2/NDF : 58997845.9/9
Right Out: 2308.518+/-0.810	χ^2/NDF : 8141714.6/25	- sign 3011.960+/-0.788	χ^2/NDF : 29796653.8/48
Left In: 15305.311+/-3.386	χ^2/NDF : 7721177.0/22		

diff_bpm0l04X_mean vs Slug



Right In: 52.197 $\pm$ 1.787 χ^2 /NDF: 1462.2/21

Left Out: 13.710 $\pm$ 0.535 χ^2 /NDF: 89.9/24

Right Out: -50.569 $\pm$ 1.548 χ^2 /NDF: 1216.3/25

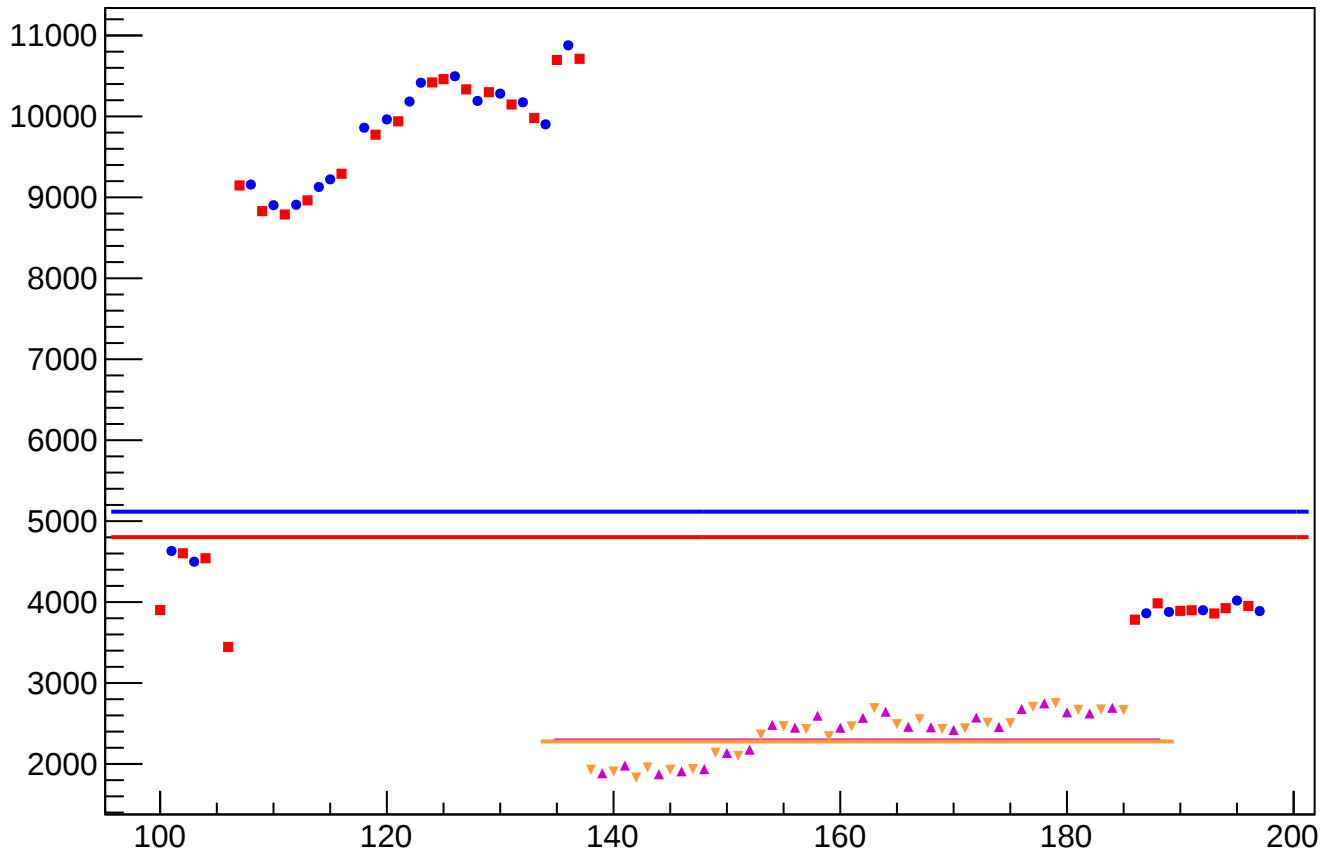
Left In: -4.141 $\pm$ 0.555 χ^2 /NDF: 111.7/22

+ sign 16.879 $\pm$ 0.513 χ^2 /NDF: 1977.8/46

All: 3.970 $\pm$ 0.366 χ^2 /NDF: 5394.3/95

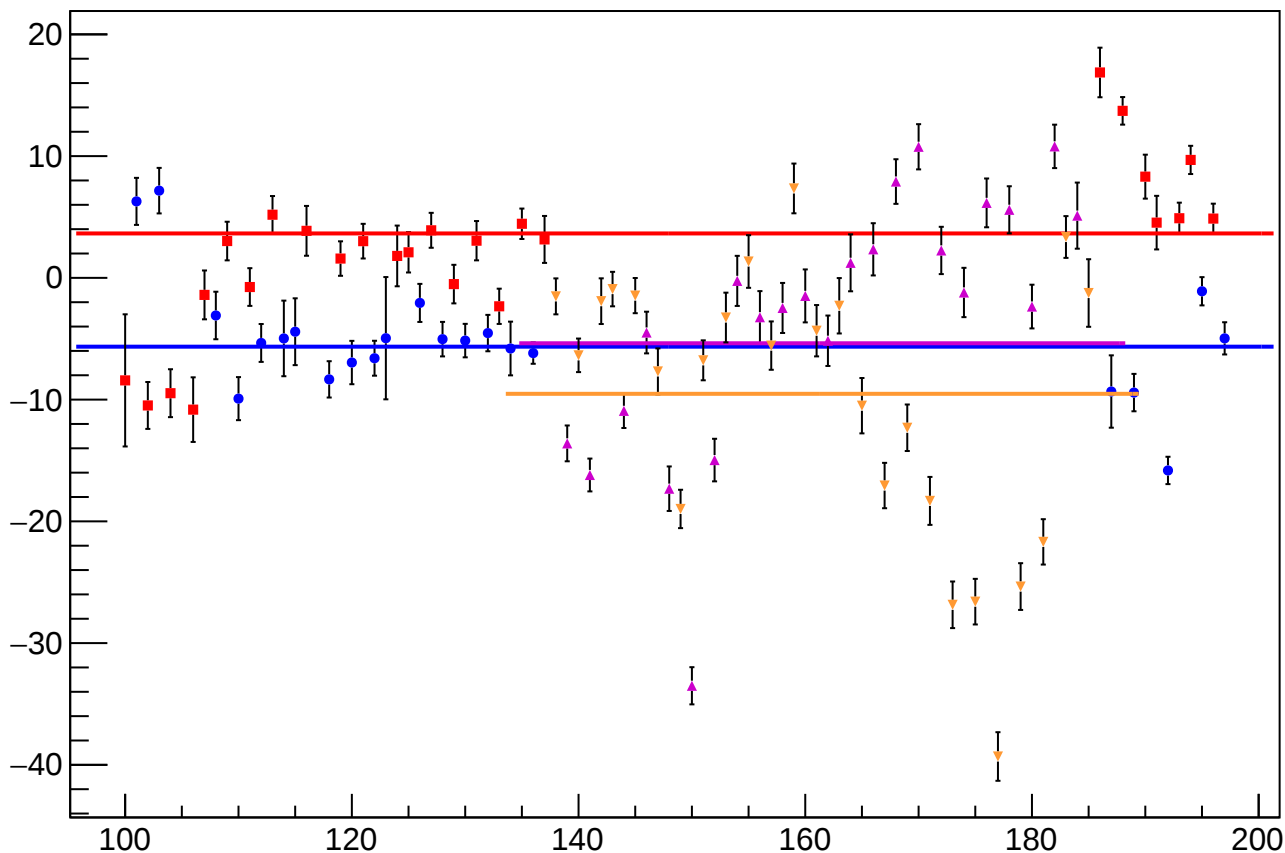
- sign -9.424 $\pm$ 0.522 χ^2 /NDF: 2125.0/48

diff_bpm0l04X_rms vs Slug



Right In: 5116.888+/-1.263	χ^2/NDF : 3233446.9/21	+ sign 2511.867+/-0.363	χ^2/NDF : 8472909.3/46
Left Out: 2278.115+/-0.378	χ^2/NDF : 607109.4/24	All: 2543.499+/-0.259	χ^2/NDF : 17244235.1/9
Right Out: 4802.327+/-1.095	χ^2/NDF : 3500004.6/25	- sign 2576.319+/-0.369	χ^2/NDF : 8755816.3/48
Left In: 2290.461+/-0.392	χ^2/NDF : 590272.1/22		

diff_bpm0l04Y_mean vs Slug



Right In: -5.652 ± 0.331 χ^2/NDF : 208.9/21

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

Right Out: 3.648 ± 0.314 χ^2/NDF : 334.0/25

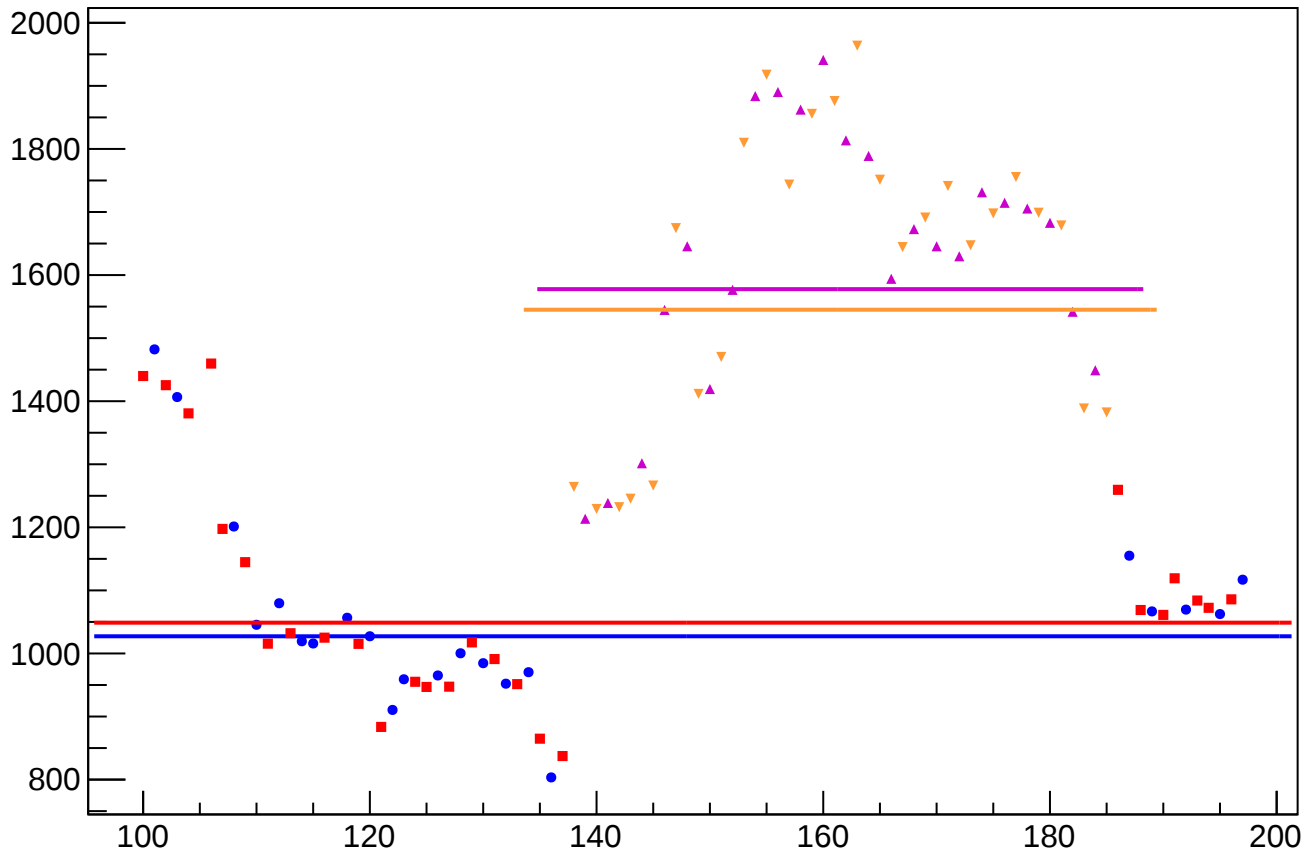
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -7.402 ± 0.245 χ^2/NDF : 1154.7/46

All: -3.650 ± 0.173 χ^2/NDF : 3154.0/95

- sign 0.025 ± 0.243 χ^2/NDF : 1535.9/48

diff_bpm0l04Y_rms vs Slug



Right In: 1027.236 $\pm$ 0.234 χ^2 /NDF: 387092.9/21

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

Right Out: 1048.828 $\pm$ 0.222 χ^2 /NDF: 367959.1/25

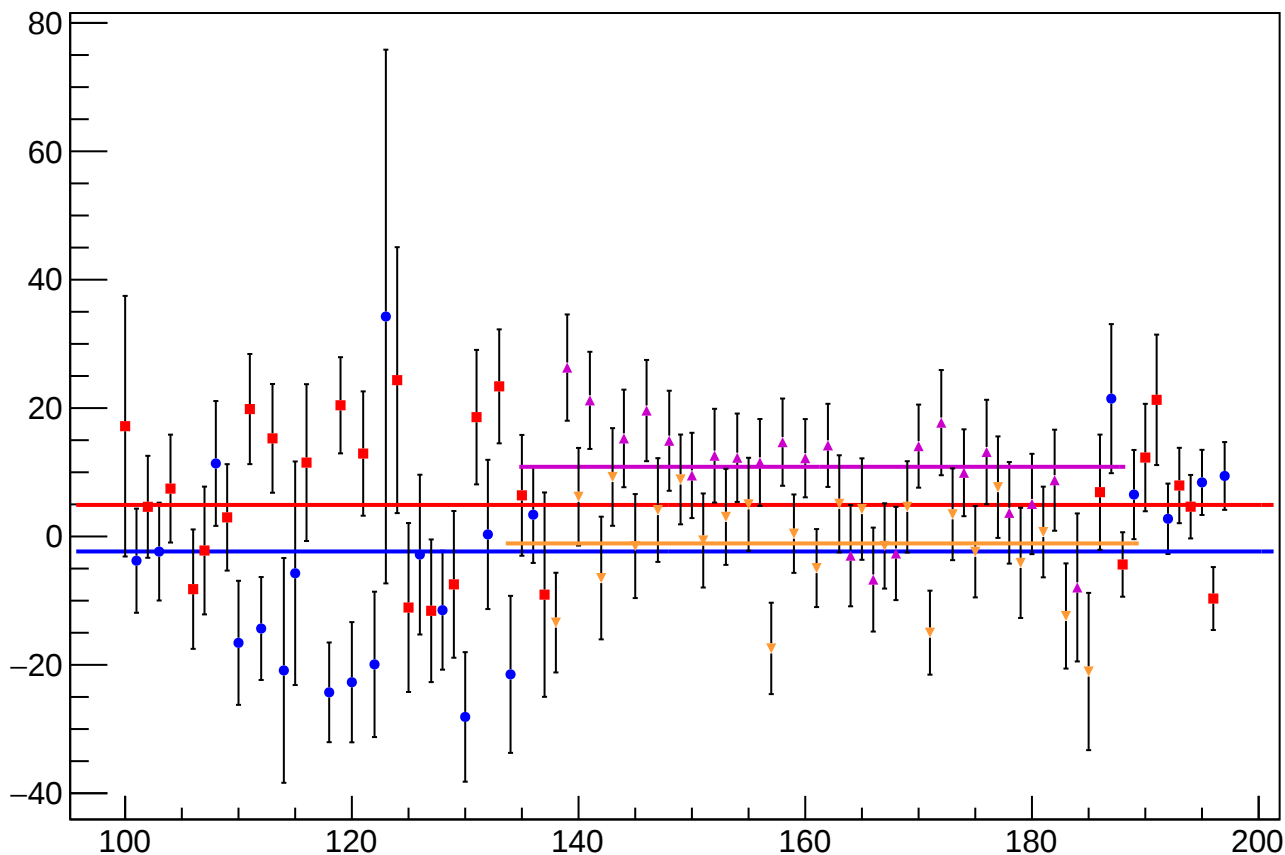
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1261.335 $\pm$ 0.173 χ^2 /NDF: 3438038.7/46

All: 1261.307 $\pm$ 0.122 χ^2 /NDF: 6714041.3/95

- sign 1261.280 $\pm$ 0.172 χ^2 /NDF: 3276002.5/48

diff_bpm0l05X_mean vs Slug



Right In: -2.337+/-1.802 χ^2/NDF : 50.2/21

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

Right Out: 4.913+/-1.623 χ^2/NDF : 41.3/25

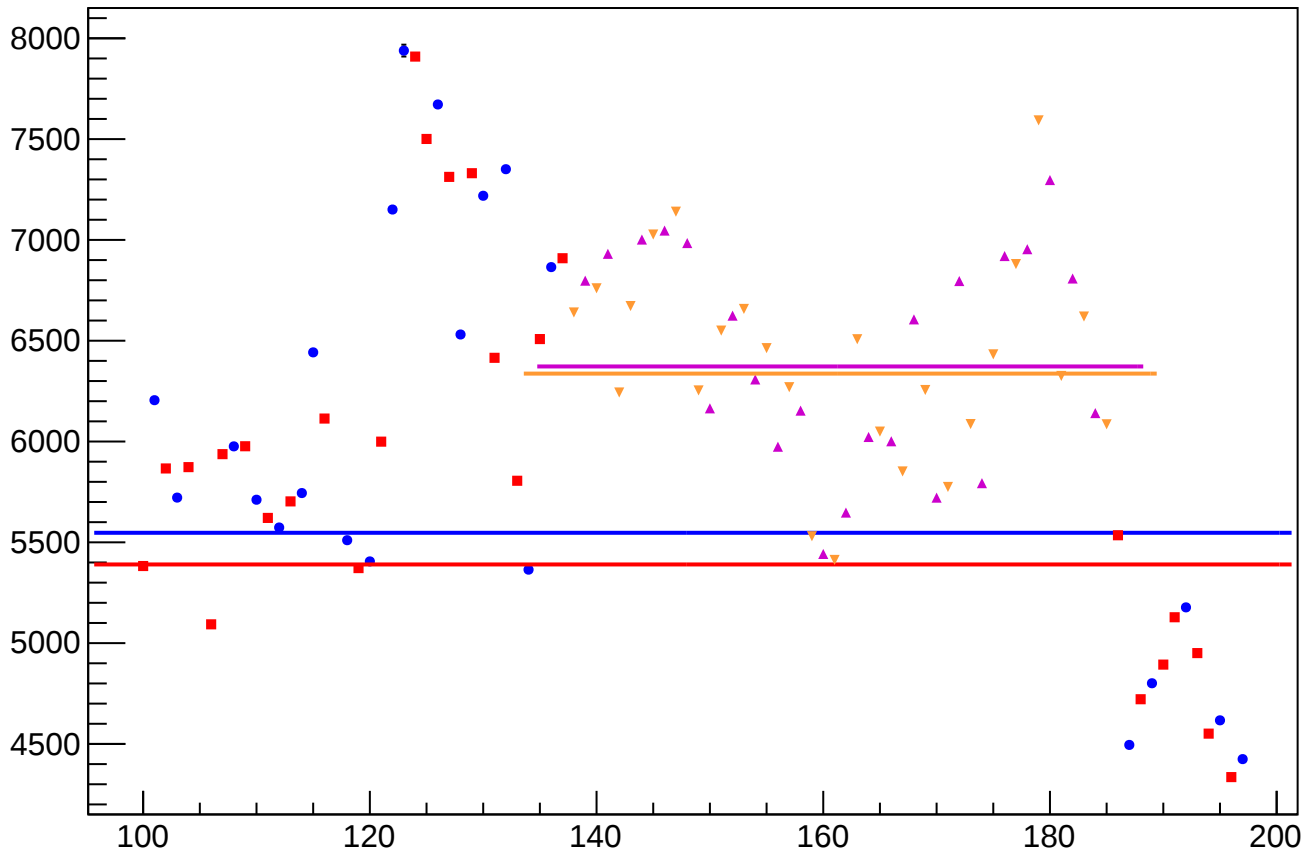
Left In: 10.851+/-1.542 χ^2/NDF : 24.4/22

+ sign -1.591+/-1.147 χ^2/NDF : 78.0/46

All: 3.346+/-0.800 χ^2/NDF : 186.9/95

- sign 8.034+/-1.118 χ^2/NDF : 72.7/48

diff_bpm0l05X_rms vs Slug



Right In: 5547.305+/-1.274 χ^2/NDF : 523600.2/21

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

Right Out: 5390.250+/-1.147 χ^2/NDF : 525115.4/25

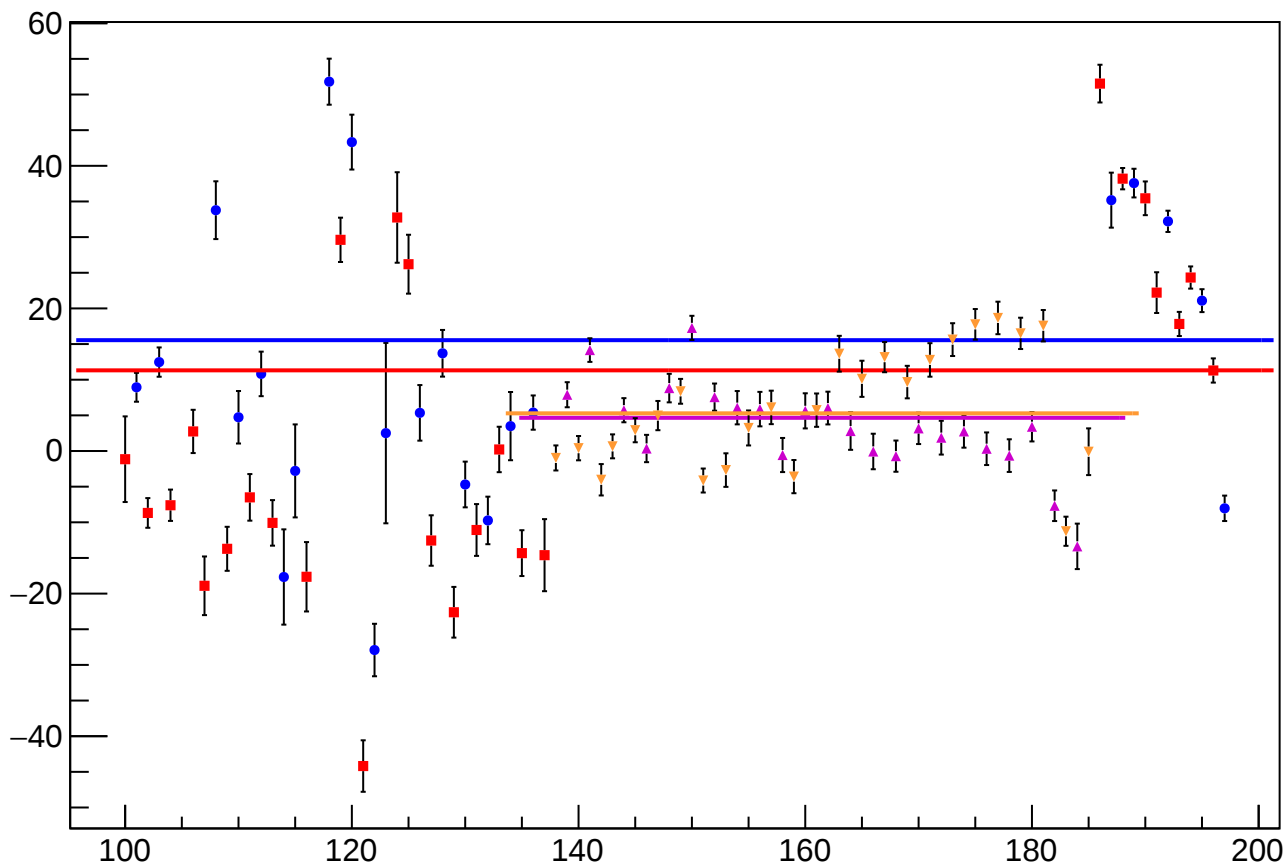
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 6016.907+/-0.811 χ^2/NDF : 974976.7/46

All: 5960.263+/-0.566 χ^2/NDF : 2141894.2/95

- sign 5906.467+/-0.790 χ^2/NDF : 1157405.7/48

diff_bpm0l05Y_mean vs Slug



Right In: 15.546 ± 0.574 $\chi^2/\text{NDF}: 981.8/21$

Left Out: 5.284 ± 0.421 $\chi^2/\text{NDF}: 366.1/24$

Right Out: 11.313 ± 0.520 $\chi^2/\text{NDF}: 1737.7/25$

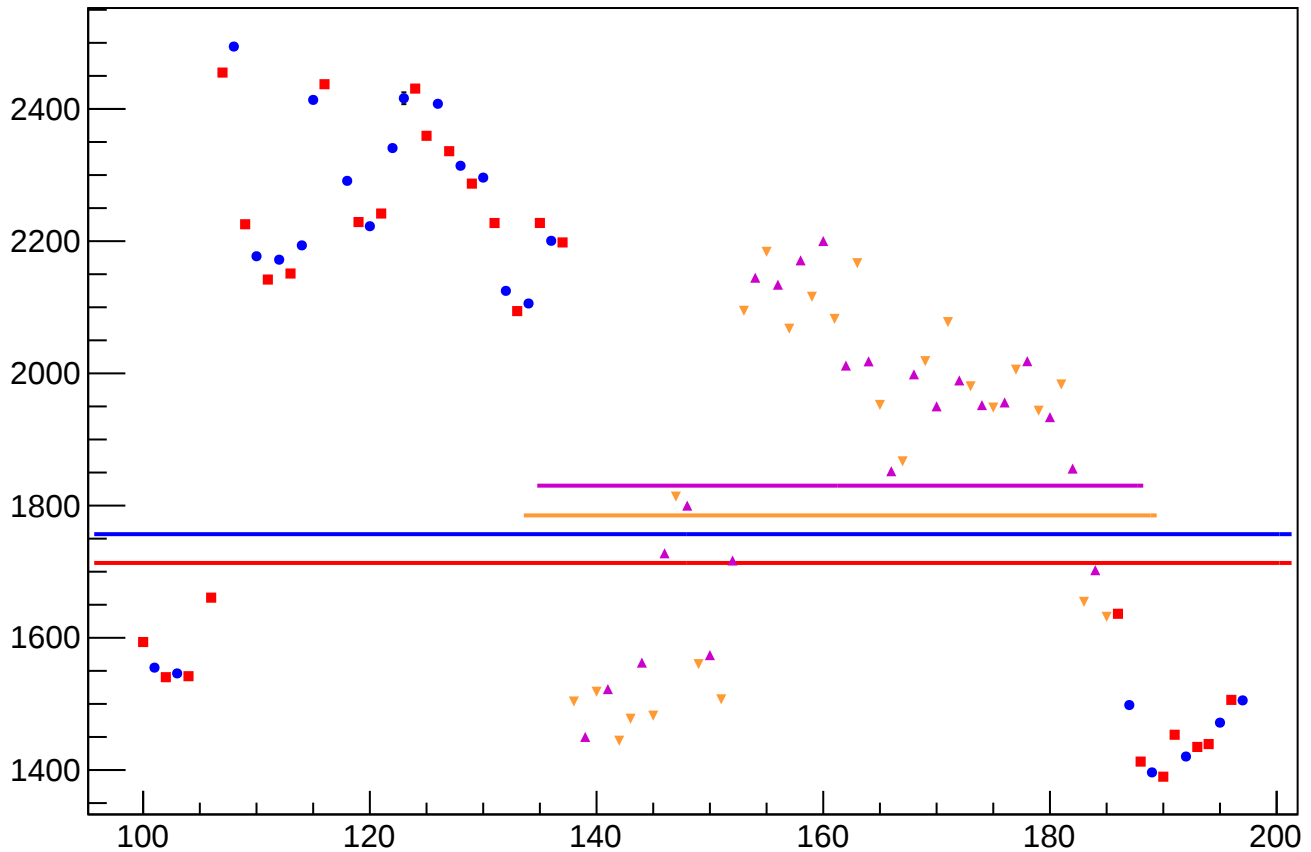
Left In: 4.657 ± 0.443 $\chi^2/\text{NDF}: 196.5/22$

+ sign 8.871 ± 0.339 $\chi^2/\text{NDF}: 1555.8/46$

All: 8.162 ± 0.239 $\chi^2/\text{NDF}: 3593.7/95$

- sign 7.462 ± 0.337 $\chi^2/\text{NDF}: 2029.2/48$

diff_bpm0l05Y_rms vs Slug



Right In: 1756.772 $\pm$ 0.406 χ^2 /NDF: 888596.3/21

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

Right Out: 1713.236 $\pm$ 0.367 χ^2 /NDF: 970722.6/25

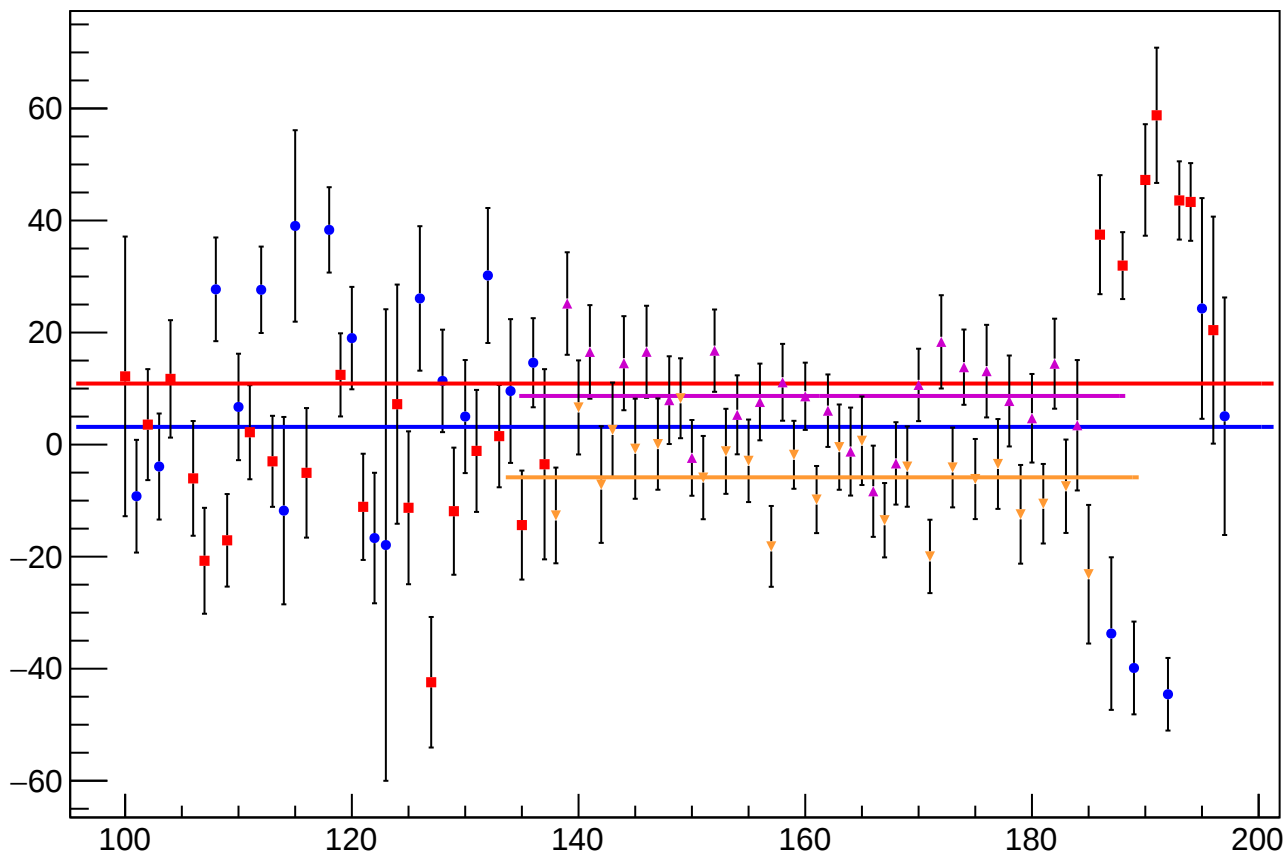
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1775.250 $\pm$ 0.240 χ^2 /NDF: 1642412.1/46

All: 1778.089 $\pm$ 0.169 χ^2 /NDF: 3180420.3/95

- sign 1780.894 $\pm$ 0.238 χ^2 /NDF: 1537729.8/48

diff_bpm0l06X_mean vs Slug



Right In: 3.160 ± 2.183 χ^2/NDF : 153.1/21

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

Right Out: 10.897 ± 1.899 χ^2/NDF : 166.4/25

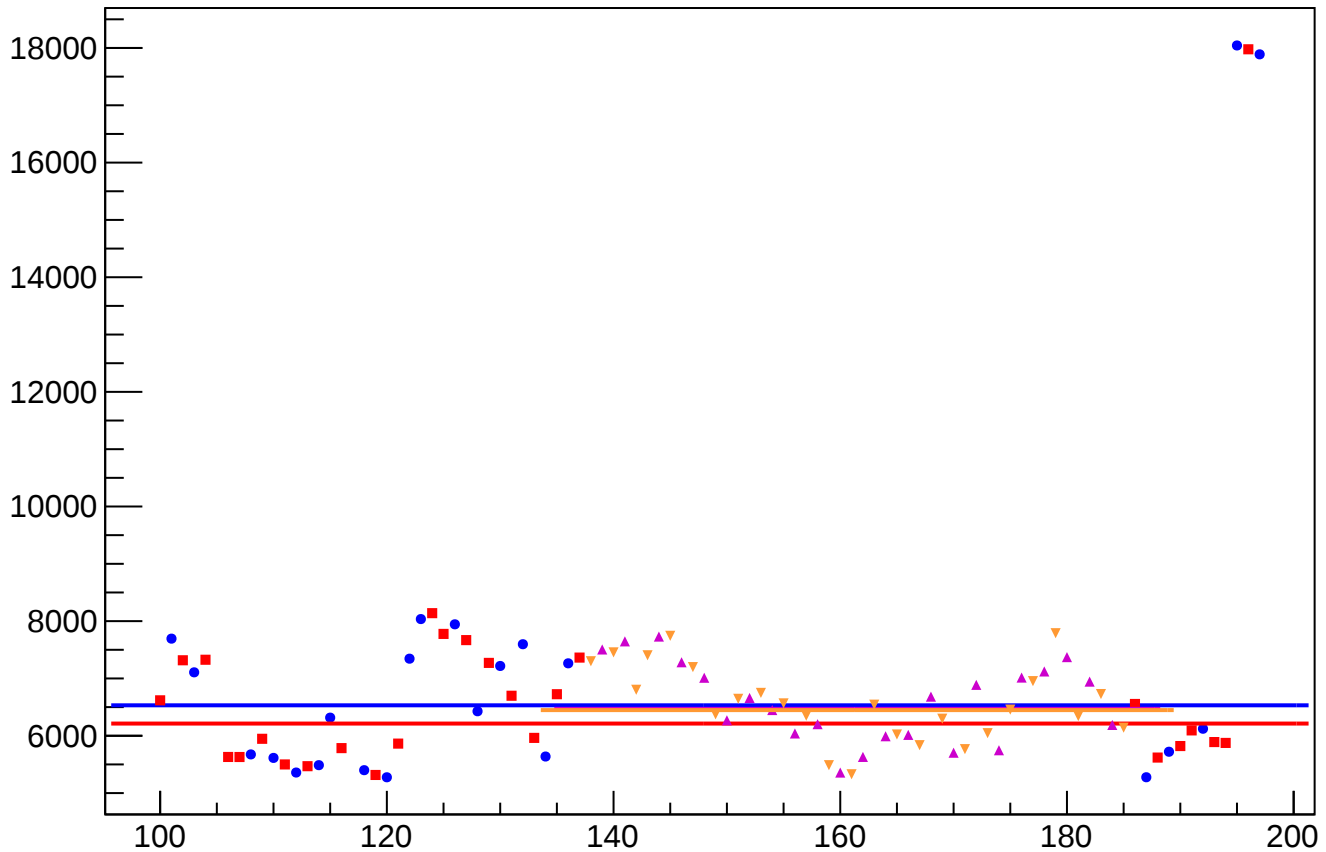
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -2.905 ± 1.246 χ^2/NDF : 187.9/46

All: 3.521 ± 0.868 χ^2/NDF : 428.6/95

- sign 9.582 ± 1.210 χ^2/NDF : 189.1/48

diff_bpm0l06X_rms vs Slug



Right In: 6531.423+/-1.543 χ^2/NDF : 1595705.7/21

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

Right Out: 6212.940+/-1.343 χ^2/NDF : 949858.0/25

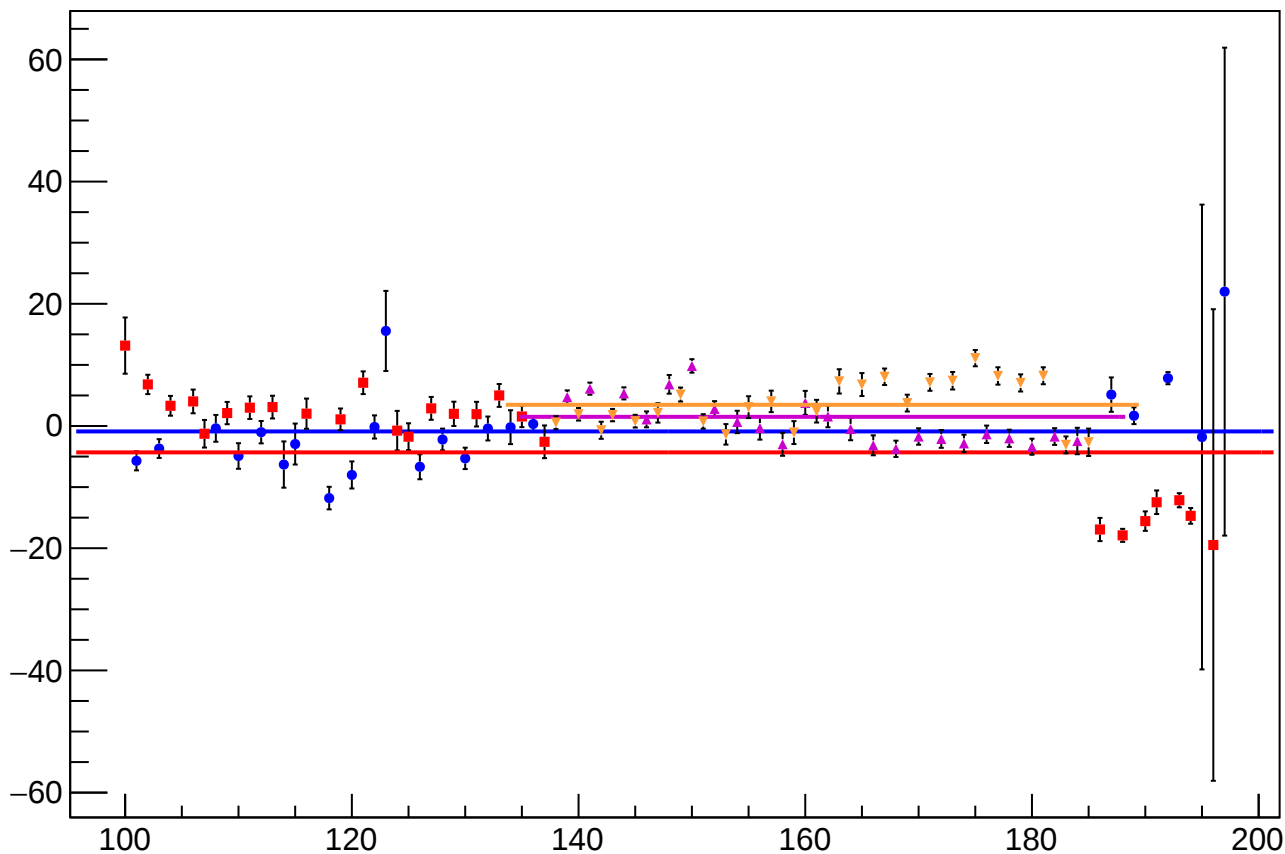
Left In: 6468.902+/-1.111 χ^2/NDF : 383325.4/22

+ sign 6475.010+/-0.881 χ^2/NDF : 1969359.4/46

All: 6418.377+/-0.614 χ^2/NDF : 3332136.3/95

- sign 6364.966+/-0.856 χ^2/NDF : 1354753.4/48

diff_bpm0l06Y_mean vs Slug



Right In: -0.888 ± 0.406 χ^2/NDF : 171.6/21

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

Right Out: -4.316 ± 0.355 χ^2/NDF : 662.2/25

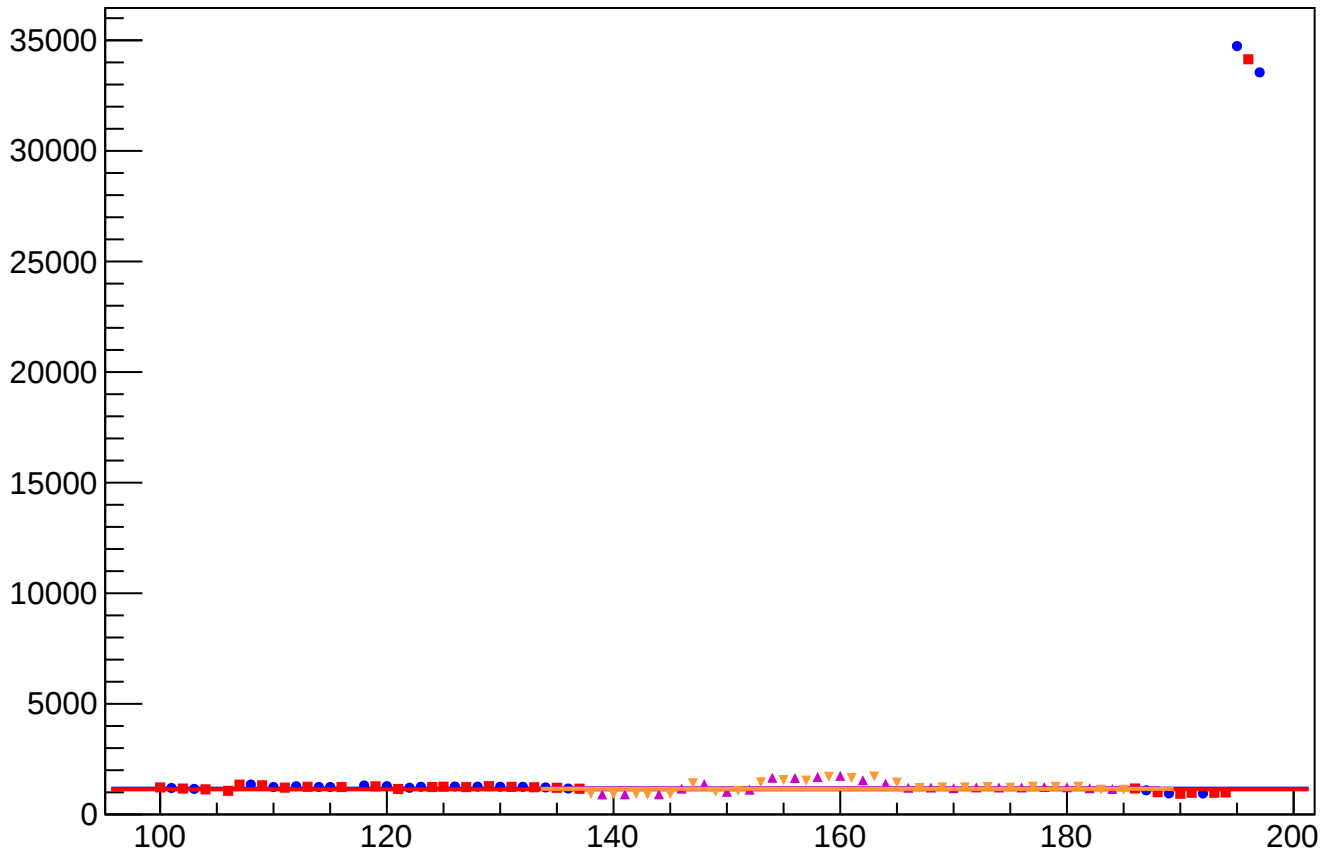
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.089 ± 0.228 χ^2/NDF : 426.4/46

All: 0.603 ± 0.160 χ^2/NDF : 1535.6/95

- sign -0.835 ± 0.225 χ^2/NDF : 1025.9/48

diff_bpm0l06Y_rms vs Slug



Right In: 1166.196+/-0.287 χ^2/NDF : 3083545.5/21

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

Right Out: 1135.294+/-0.251 χ^2/NDF : 1704266.6/25

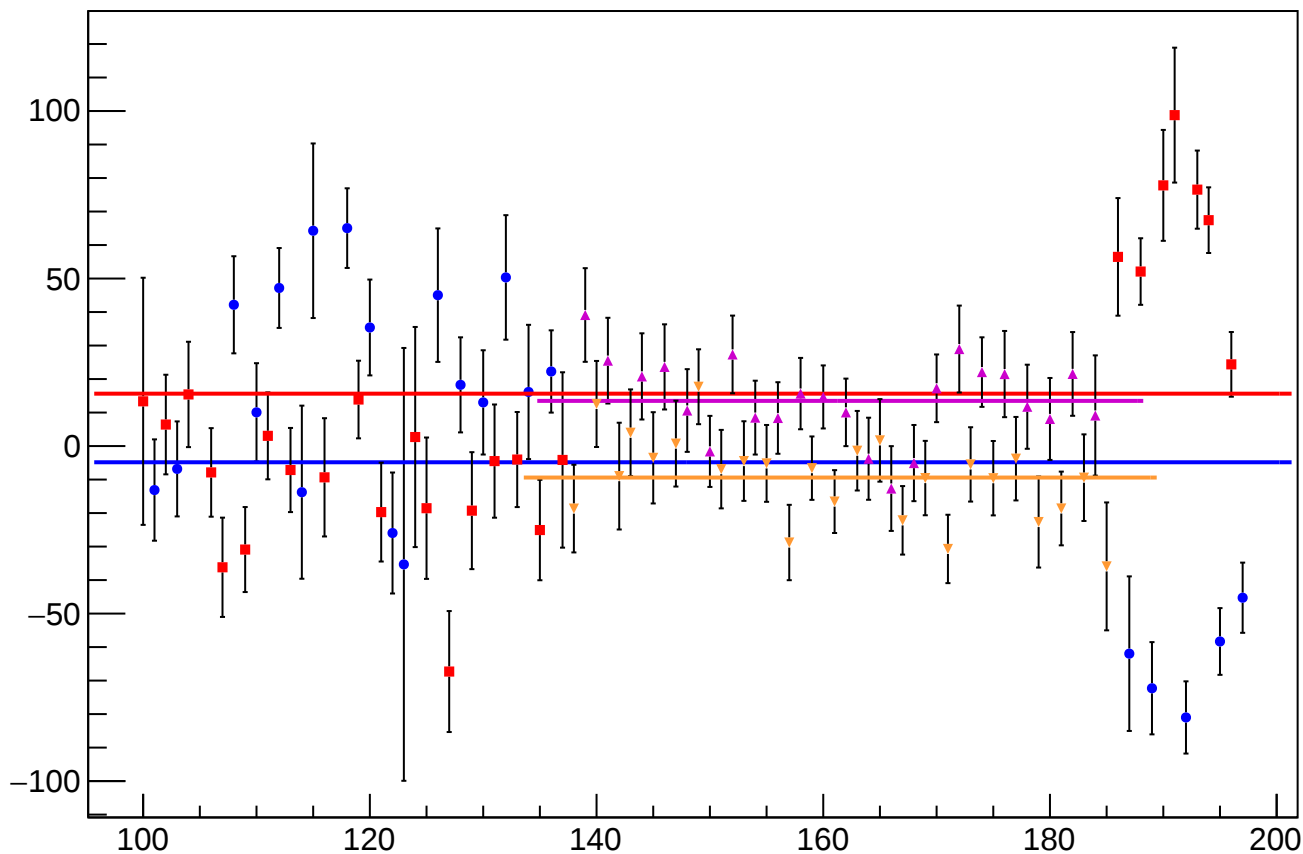
Left In: 1184.966+/-0.206 χ^2/NDF : 1190431.5/22

+ sign 1161.208+/-0.162 χ^2/NDF : 4494411.5/46

All: 1163.138+/-0.113 χ^2/NDF : 7412864.0/95

- sign 1165.007+/-0.159 χ^2/NDF : 2918171.5/48

diff_bpm0l07X_mean vs Slug



Right In: -4.837 ± 3.121 χ^2/NDF : 231.0/21

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

Right Out: 15.638 ± 2.826 χ^2/NDF : 186.5/25

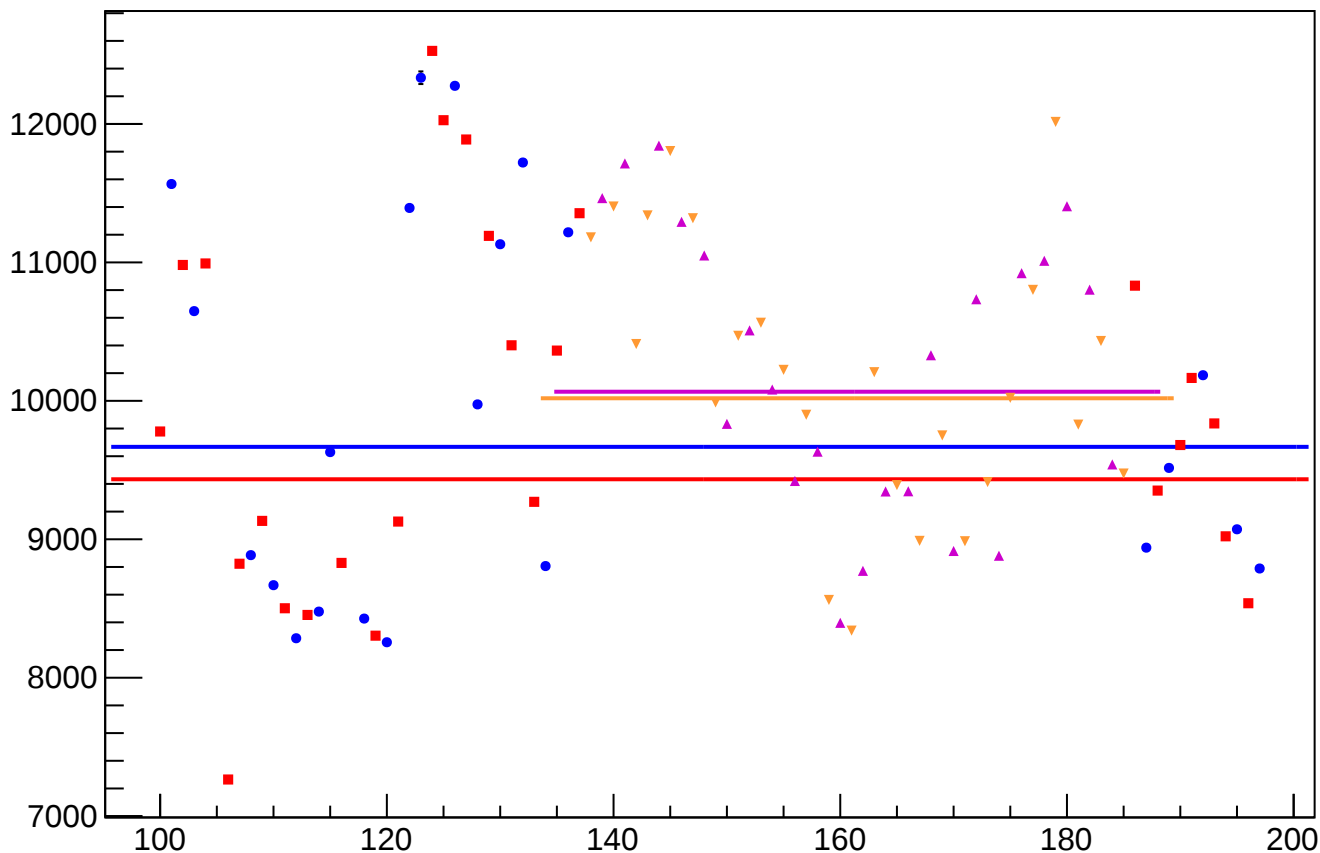
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -7.740 ± 1.882 χ^2/NDF : 258.6/46

All: 3.533 ± 1.319 χ^2/NDF : 537.5/95

- sign 14.406 ± 1.848 χ^2/NDF : 208.4/48

diff_bpm0l07X_rms vs Slug



Right In: 9667.690 $\pm$ 2.207 χ^2 /NDF: 291238.5/21

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

Right Out: 9433.512 $\pm$ 1.998 χ^2 /NDF: 314169.4/25

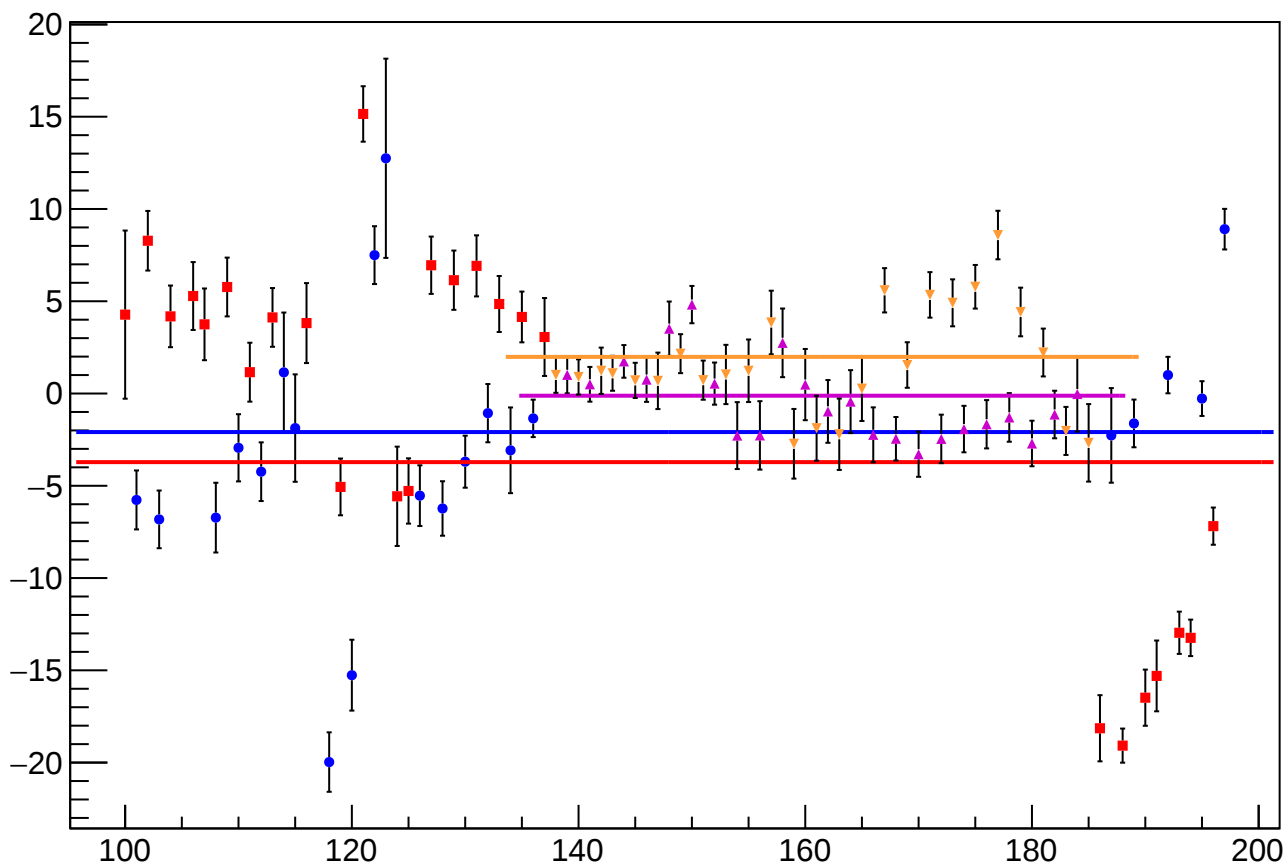
Left In: 10065.909 $\pm$ 1.727 χ^2 /NDF: 357868.9/22

+ sign 9891.051 $\pm$ 1.331 χ^2 /NDF: 651859.7/46

All: 9842.384 $\pm$ 0.932 χ^2 /NDF: 1383851.5/95

- sign 9795.445 $\pm$ 1.307 χ^2 /NDF: 729363.7/48

diff_bpm0l07Y_mean vs Slug



Right In: -2.089 ± 0.321 $\chi^2/\text{NDF}: 367.0/21$

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

Right Out: -3.718 ± 0.296 $\chi^2/\text{NDF}: 1179.1/25$

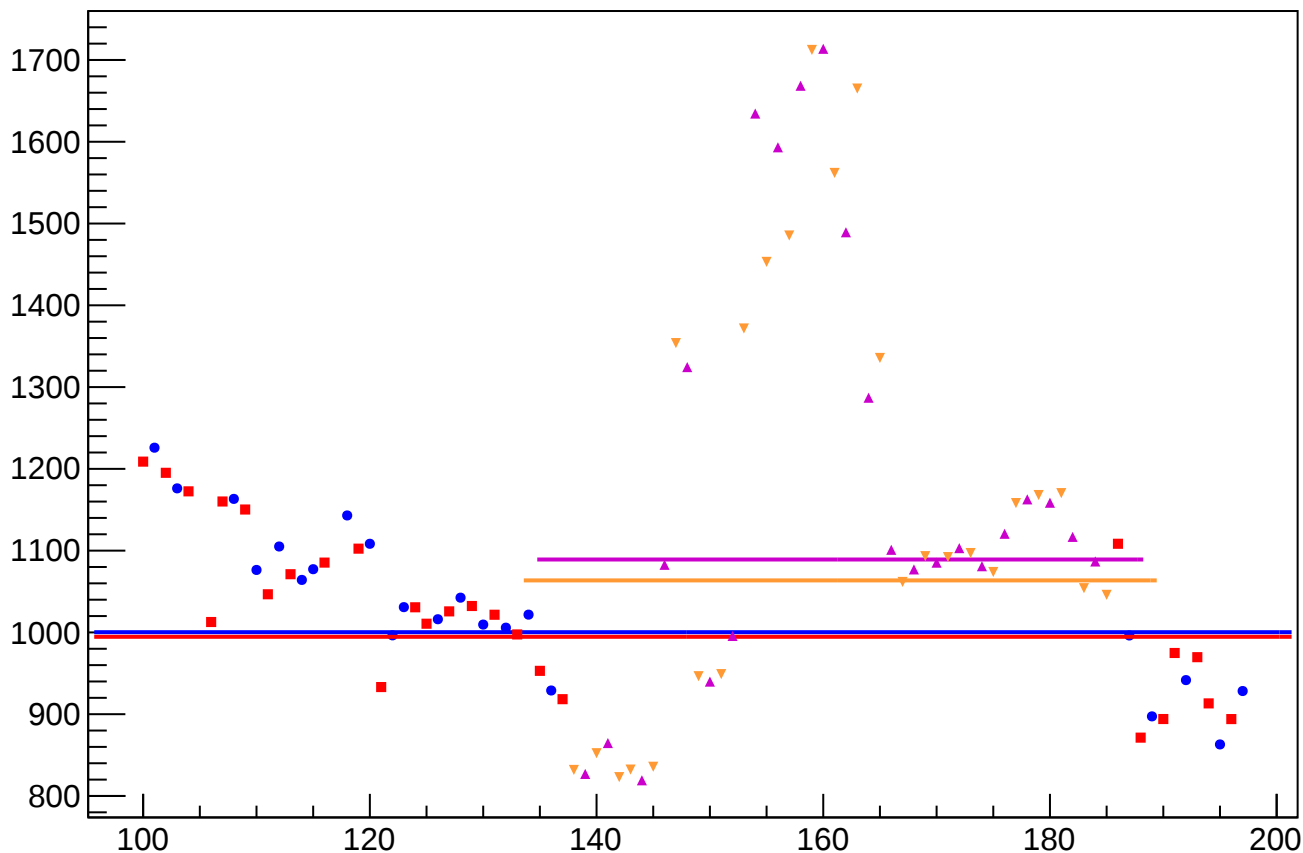
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

+ sign 0.410 ± 0.200 $\chi^2/\text{NDF}: 567.0/46$

All: -0.669 ± 0.141 $\chi^2/\text{NDF}: 1952.9/95$

- sign -1.743 ± 0.199 $\chi^2/\text{NDF}: 1327.6/48$

diff_bpm0l07Y_rms vs Slug



Right In: 1000.274+/-0.227 χ^2/NDF : 199280.4/21

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

Right Out: 994.642+/-0.210 χ^2/NDF : 209583.5/25

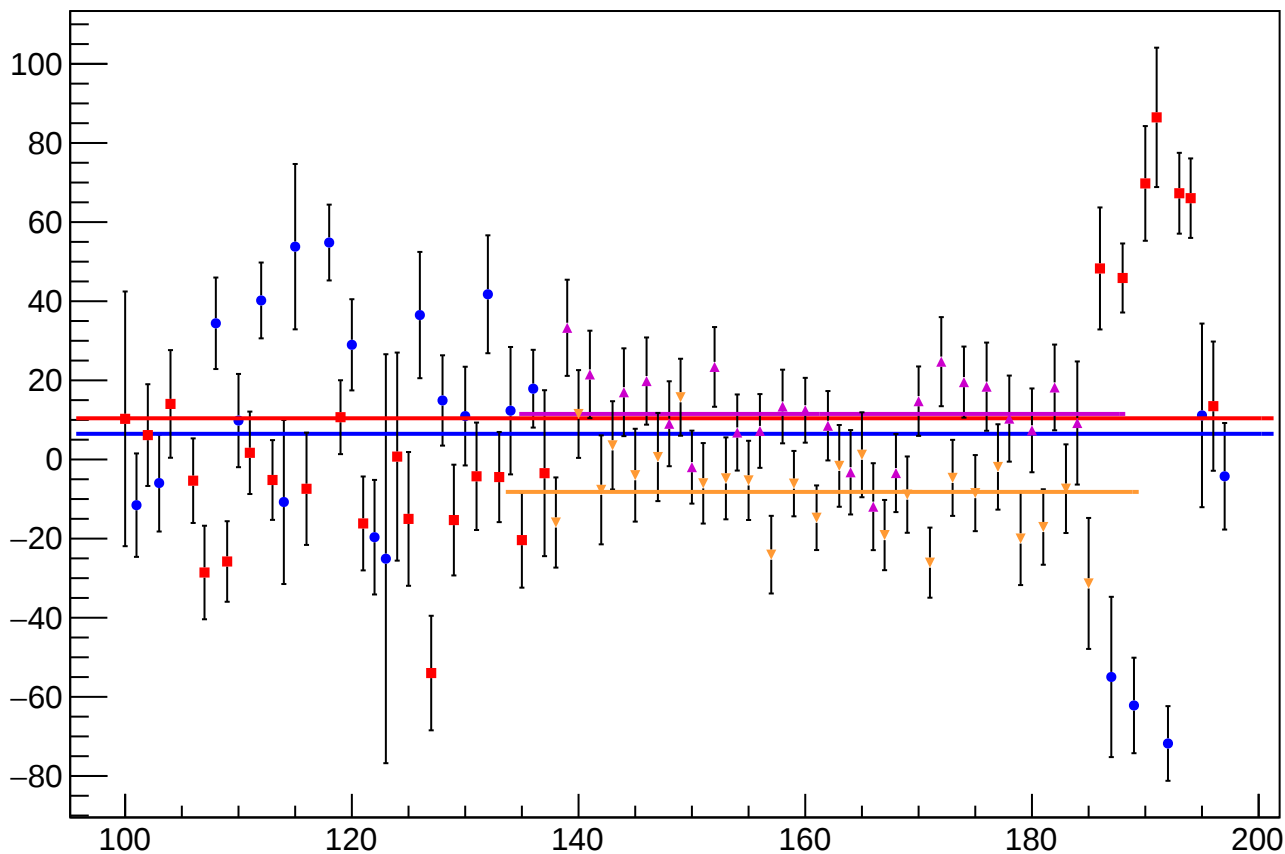
Left In: 1089.154+/-0.190 χ^2/NDF : 1430478.5/22

+ sign 1039.118+/-0.141 χ^2/NDF : 1864412.8/46

All: 1042.833+/-0.100 χ^2/NDF : 3617456.4/95

- sign 1046.530+/-0.141 χ^2/NDF : 1751660.9/48

diff_bpm0l08X_mean vs Slug



Right In: 6.487 ± 2.764 χ^2/NDF : 182.3/21

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

Right Out: 10.413 ± 2.453 χ^2/NDF : 190.7/25

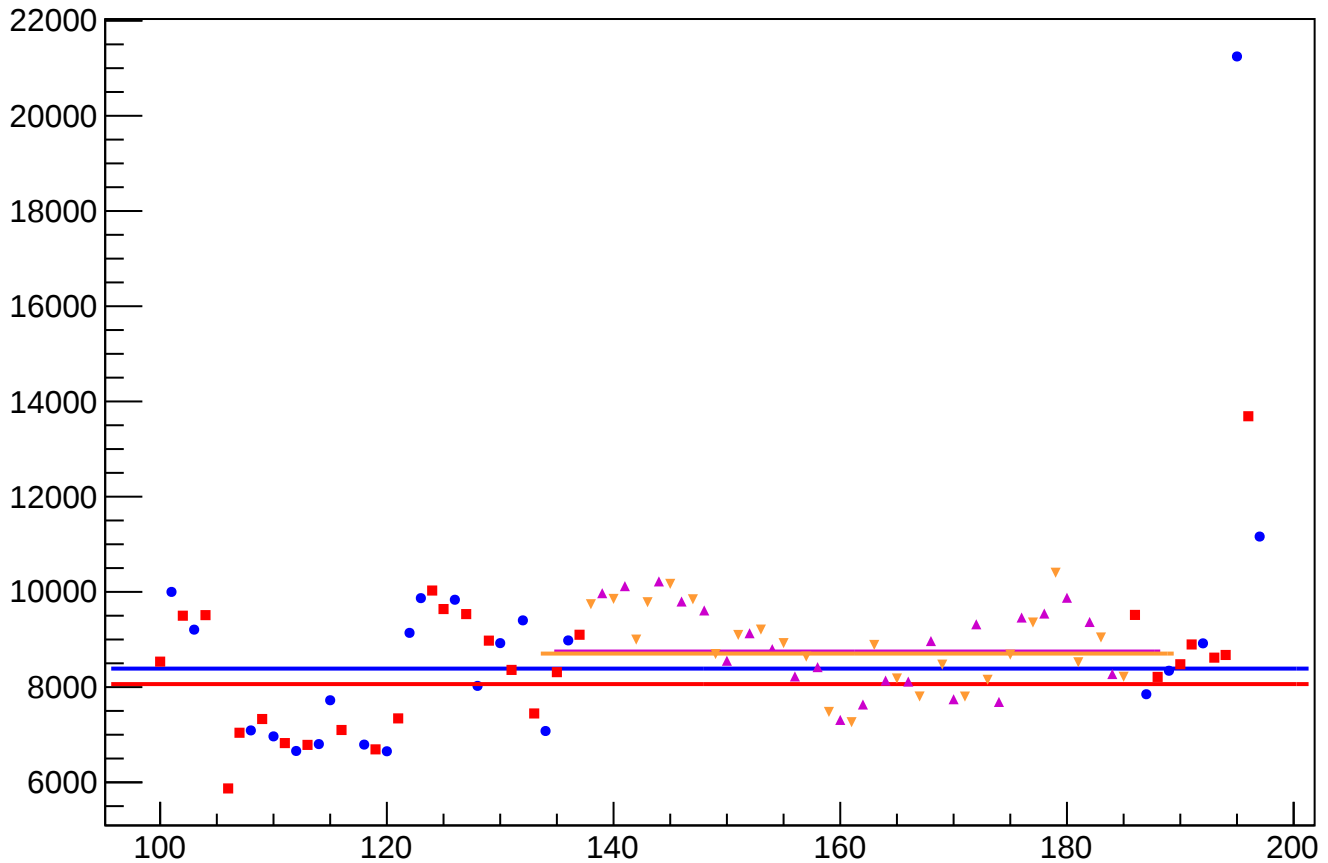
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -2.989 ± 1.646 χ^2/NDF : 226.6/46

All: 4.204 ± 1.149 χ^2/NDF : 475.7/95

- sign 11.043 ± 1.605 χ^2/NDF : 211.8/48

diff_bpm0l08X_rms vs Slug



Right In: 8388.798 ± 1.954 $\chi^2/\text{NDF}: 1038872.4/21$

Left Out: 8704.193 ± 1.449 $\chi^2/\text{NDF}: 332364.3/24$

Right Out: 8063.440 ± 1.734 $\chi^2/\text{NDF}: 622928.0/25$

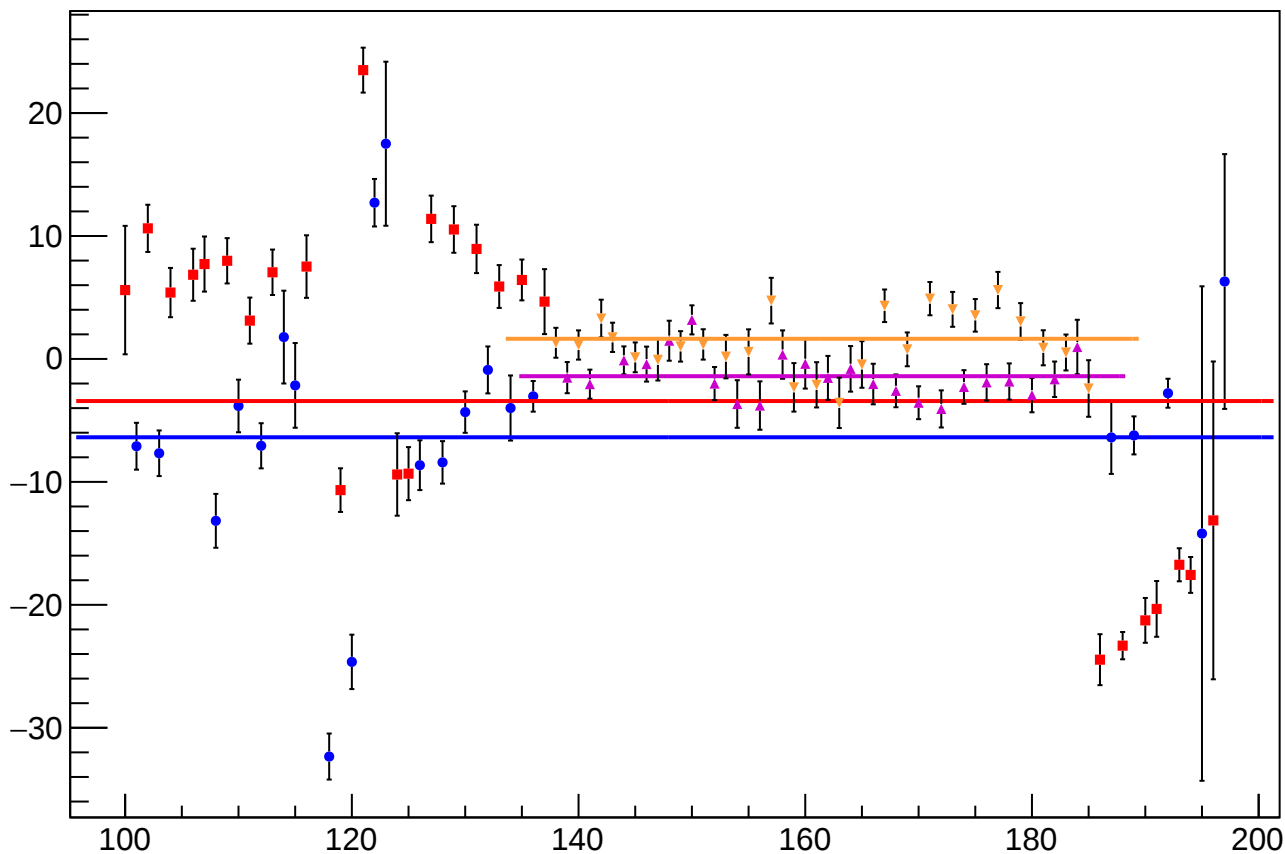
Left In: 8747.415 ± 1.501 $\chi^2/\text{NDF}: 347110.4/22$

+ sign 8592.358 ± 1.164 $\chi^2/\text{NDF}: 1388045.1/46$

All: 8521.709 ± 0.812 $\chi^2/\text{NDF}: 2454219.1/95$

- sign 8454.534 ± 1.135 $\chi^2/\text{NDF}: 1058984.7/48$

diff_bpm0l08Y_mean vs Slug



Right In: -6.371 ± 0.427 $\chi^2/\text{NDF}: 420.0/21$

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

Right Out: -3.424 ± 0.374 $\chi^2/\text{NDF}: 1466.4/25$

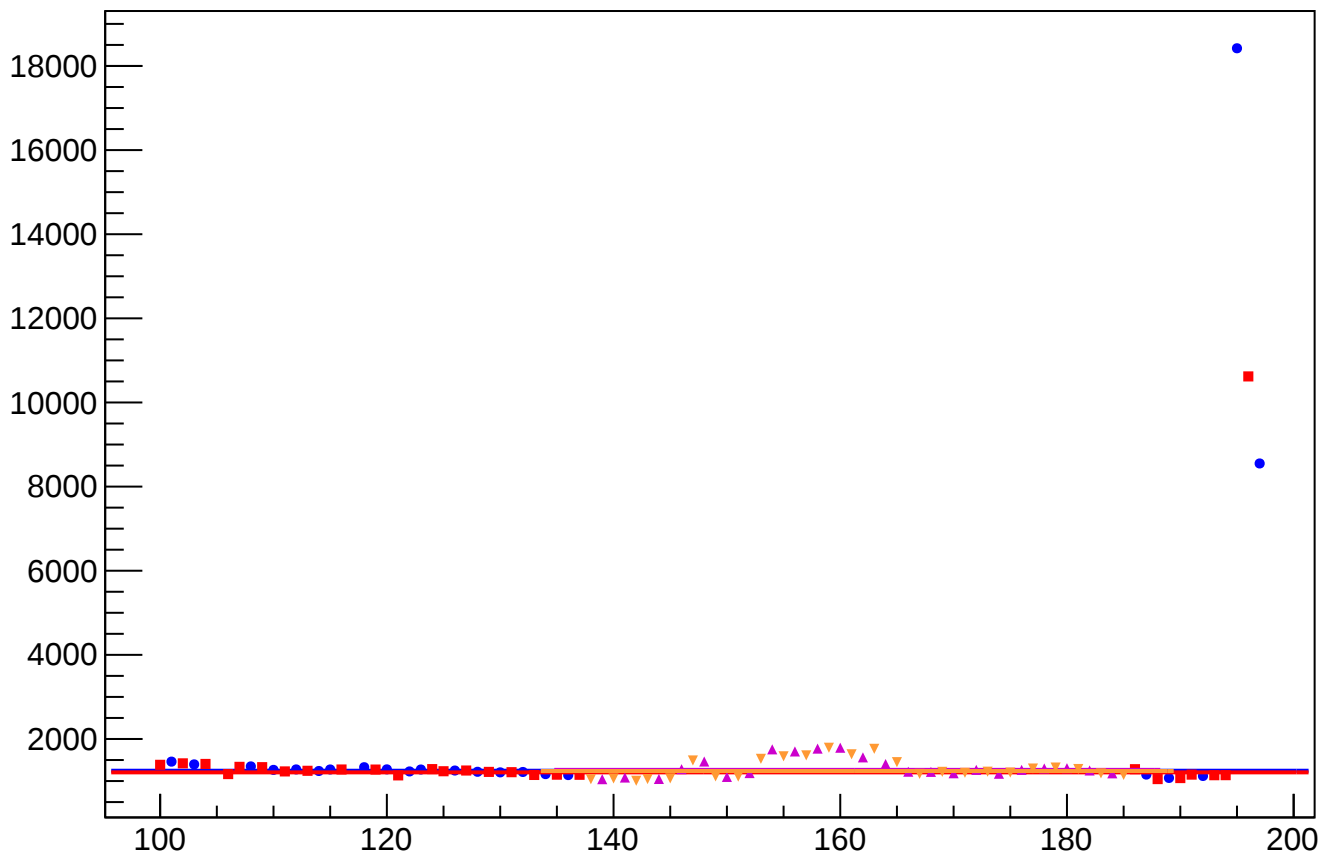
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.931 ± 0.242 $\chi^2/\text{NDF}: 710.1/46$

All: -1.587 ± 0.170 $\chi^2/\text{NDF}: 2242.5/95$

- sign -2.223 ± 0.238 $\chi^2/\text{NDF}: 1517.9/48$

diff_bpm0l08Y_rms vs Slug



Right In: 1245.145 $\pm$ 0.302 χ^2 /NDF: 2568221.9/21

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

Right Out: 1206.421 $\pm$ 0.265 χ^2 /NDF: 1206694.3/25

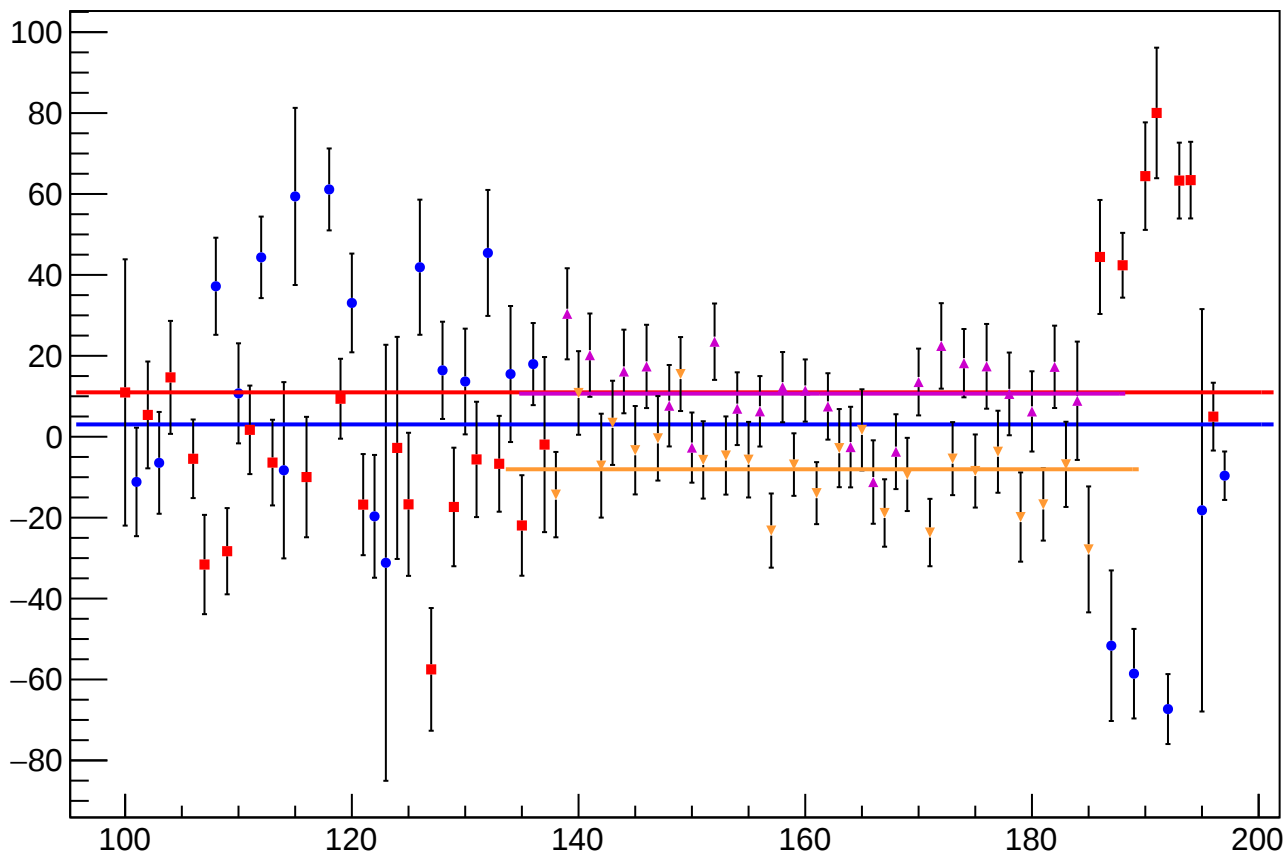
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1240.589 $\pm$ 0.171 χ^2 /NDF: 3533729.9/46

All: 1241.124 $\pm$ 0.120 χ^2 /NDF: 5615429.9/95

- sign 1241.642 $\pm$ 0.168 χ^2 /NDF: 2081680.7/48

diff_bpm0l09X_mean vs Slug



Right In: 3.045 ± 2.608 $\chi^2/\text{NDF}: 203.4/21$

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

Right Out: 10.972 ± 2.374 $\chi^2/\text{NDF}: 194.7/25$

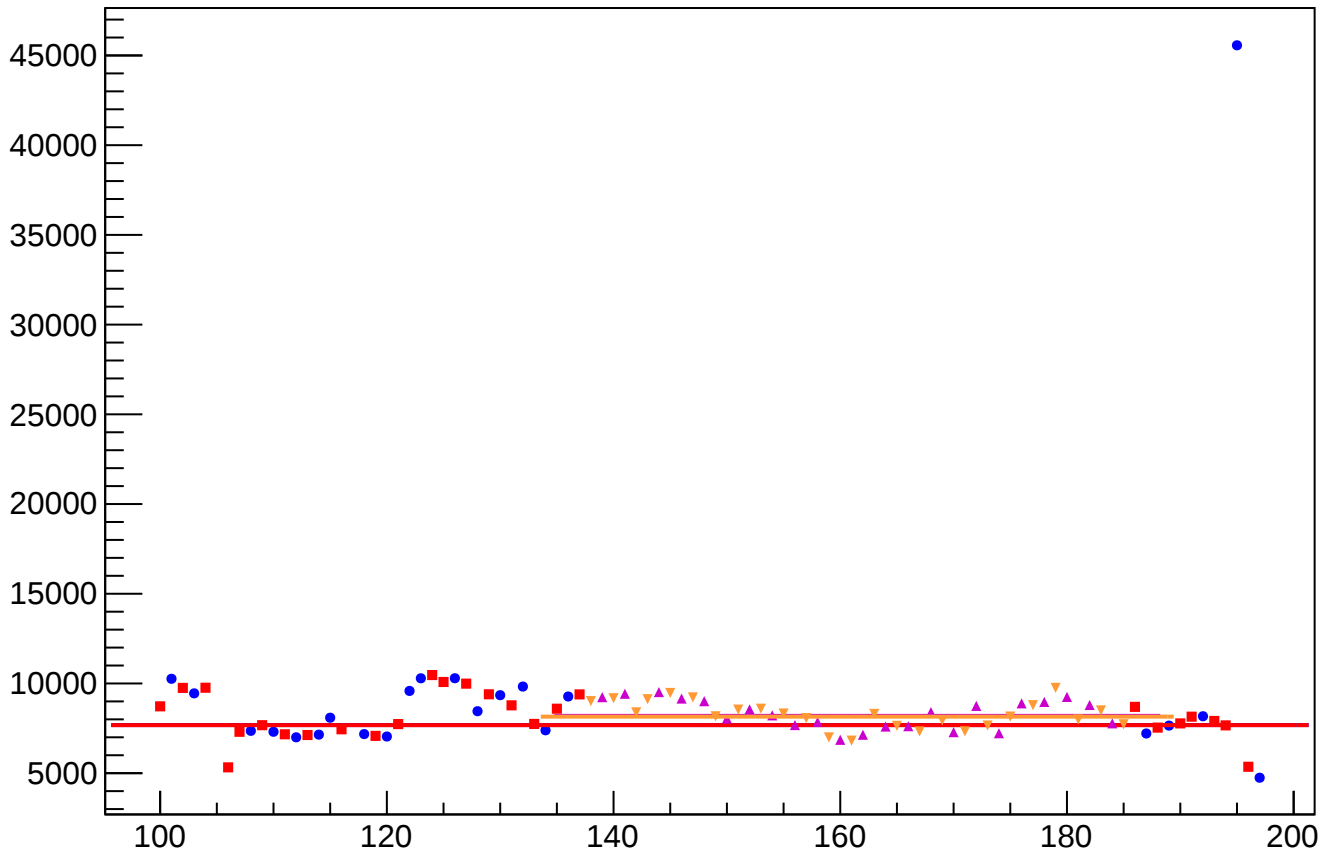
Left In: 10.653 ± 1.988 $\chi^2/\text{NDF}: 21.4/22$

+ sign -4.150 ± 1.545 $\chi^2/\text{NDF}: 241.5/46$

All: 3.420 ± 1.085 $\chi^2/\text{NDF}: 504.9/95$

- sign 10.784 ± 1.524 $\chi^2/\text{NDF}: 216.1/48$

diff_bpm0l09X_rms vs Slug



Right In: 7681.688 $\pm$ 1.844 χ^2 /NDF: 2000564.3/21

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

Right Out: 7677.257 $\pm$ 1.679 χ^2 /NDF: 567446.1/25

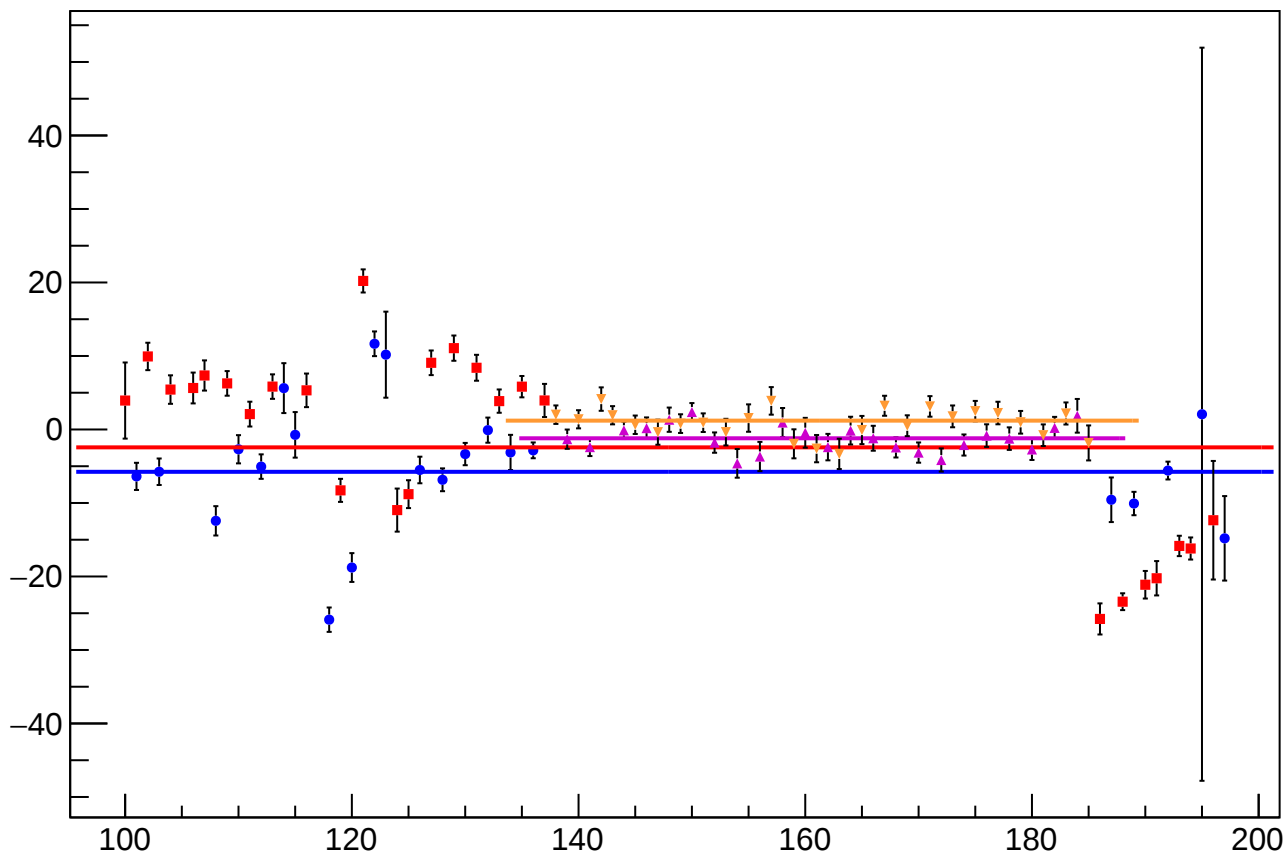
Left In: 8193.636 $\pm$ 1.405 χ^2 /NDF: 338377.6/22

+ sign 7986.556 $\pm$ 1.093 χ^2 /NDF: 2364487.4/46

All: 7983.683 $\pm$ 0.767 χ^2 /NDF: 3325943.3/95

- sign 7980.888 $\pm$ 1.078 χ^2 /NDF: 961442.3/48

diff_bpm0l09Y_mean vs Slug



Right In: -5.760 ± 0.394 χ^2/NDF : 368.3/21

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

Right Out: -2.433 ± 0.353 χ^2/NDF : 1408.0/25

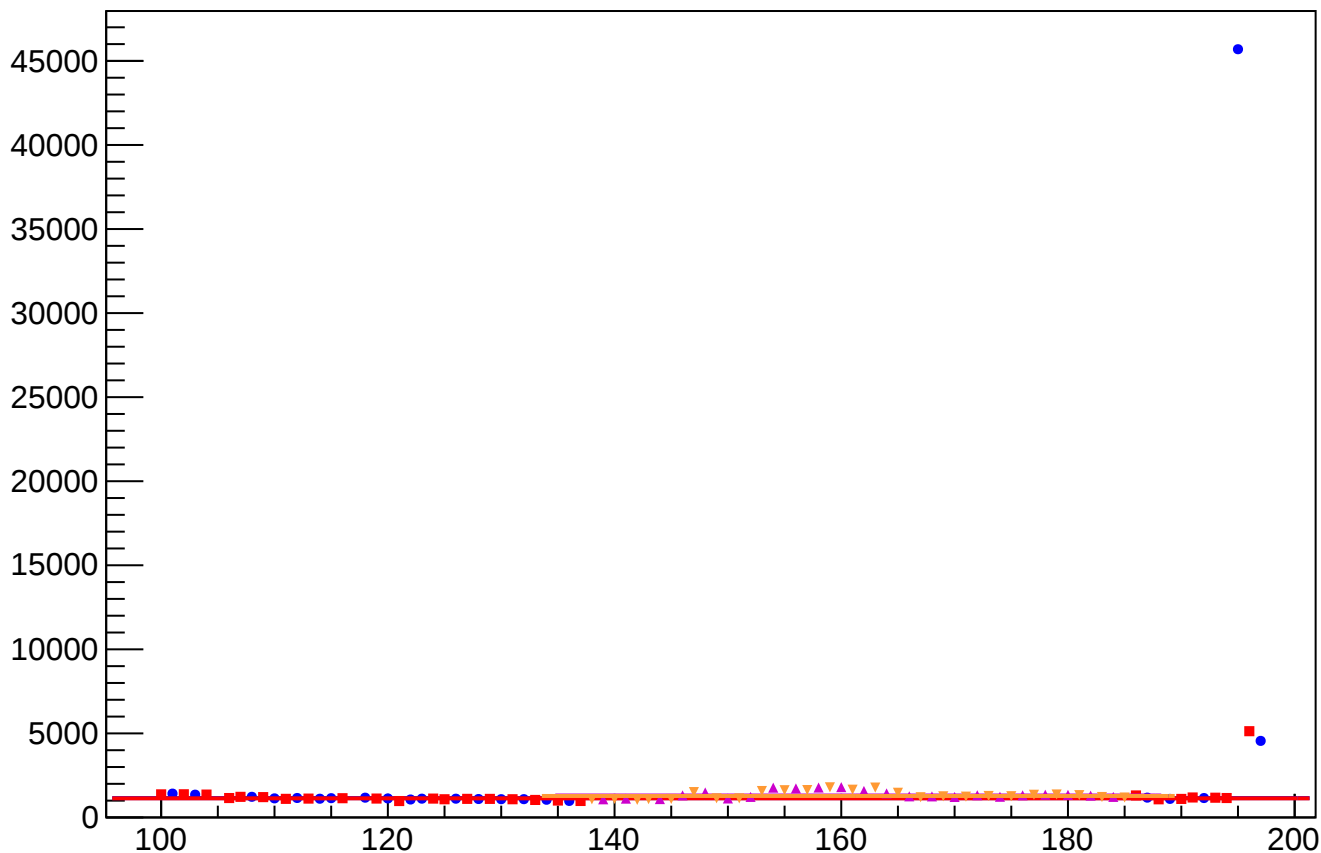
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.377 ± 0.240 χ^2/NDF : 594.7/46

All: -1.567 ± 0.168 χ^2/NDF : 2041.9/95

- sign -1.752 ± 0.236 χ^2/NDF : 1446.0/48

diff_bpm0l09Y_rms vs Slug



Right In: 1149.763+/-0.279 χ^2/NDF : 2436754.0/21

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

Right Out: 1137.125+/-0.249 χ^2/NDF : 643826.2/25

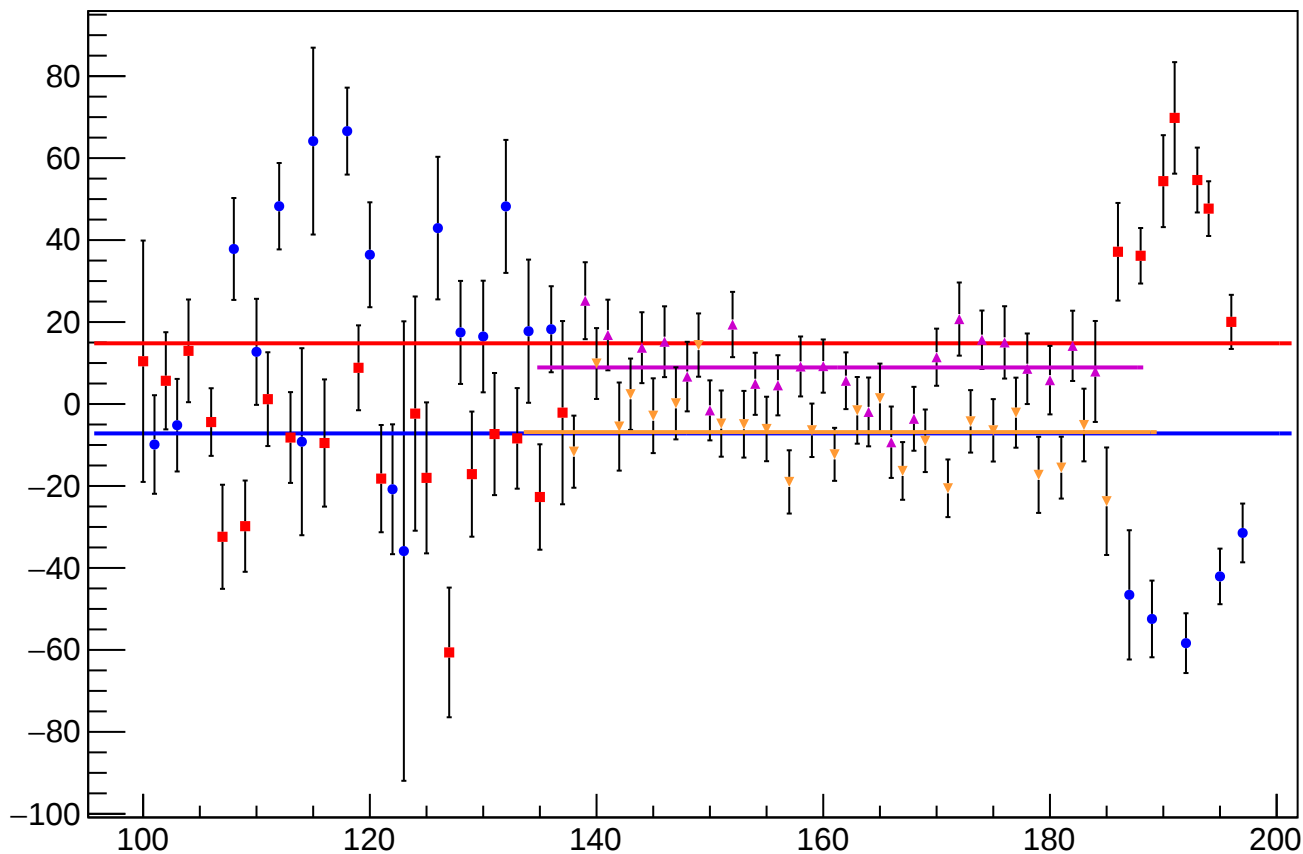
Left In: 1305.541+/-0.225 χ^2/NDF : 760450.8/22

+ sign 1230.431+/-0.170 χ^2/NDF : 3447938.4/46

All: 1230.208+/-0.119 χ^2/NDF : 5103633.4/95

- sign 1229.991+/-0.167 χ^2/NDF : 1655691.6/48

diff_bpm0l10X_mean vs Slug



Right In: -7.175 ± 2.455 χ^2/NDF : 265.5/21

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

Right Out: 14.812 ± 2.162 χ^2/NDF : 188.8/25

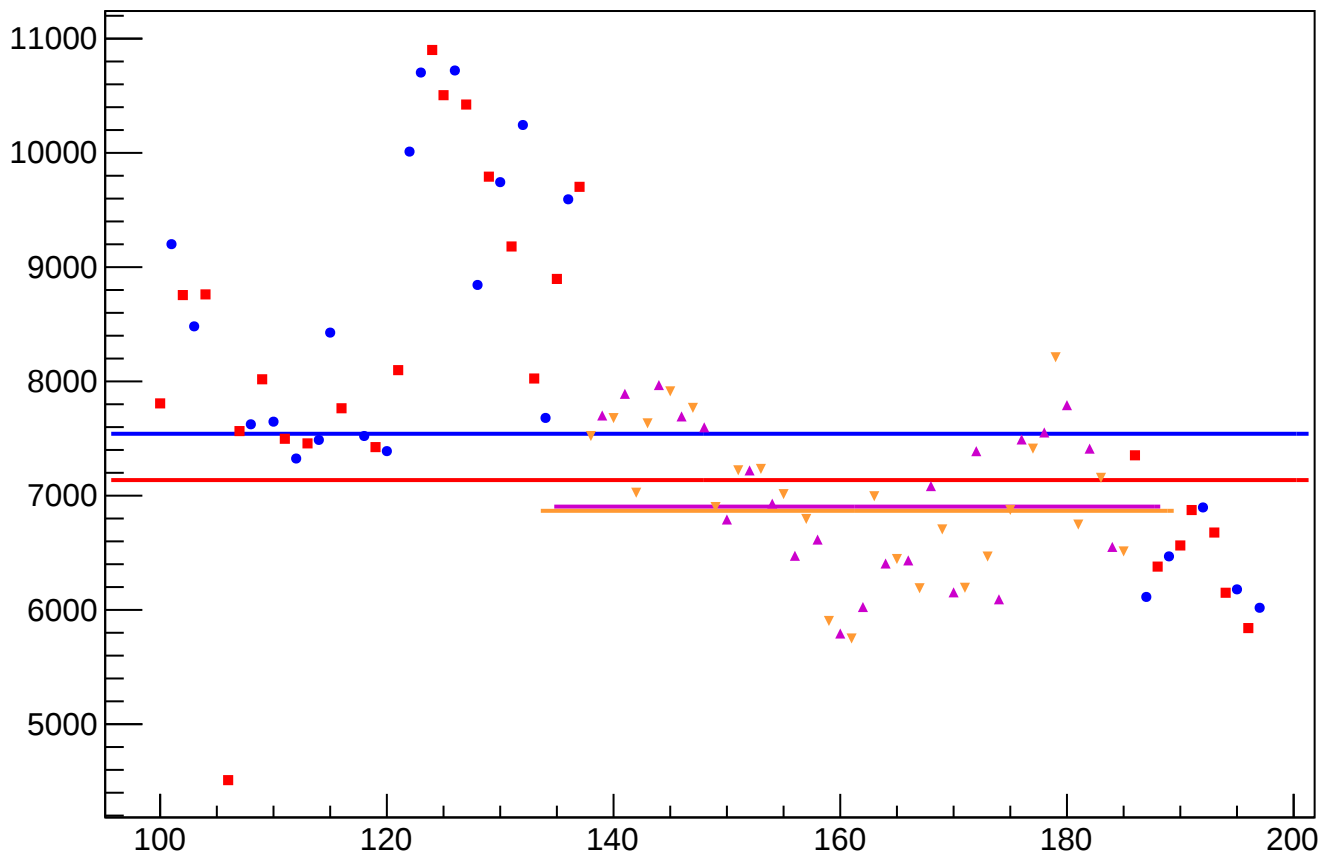
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -6.951 ± 1.349 χ^2/NDF : 294.2/46

All: 2.263 ± 0.945 χ^2/NDF : 600.9/95

- sign 11.130 ± 1.324 χ^2/NDF : 215.2/48

diff_bpm0l10X_rms vs Slug



Right In: 7541.674 $\pm$ 1.736 χ^2 /NDF: 613170.4/21

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

Right Out: 7136.361 $\pm$ 1.529 χ^2 /NDF: 828133.4/25

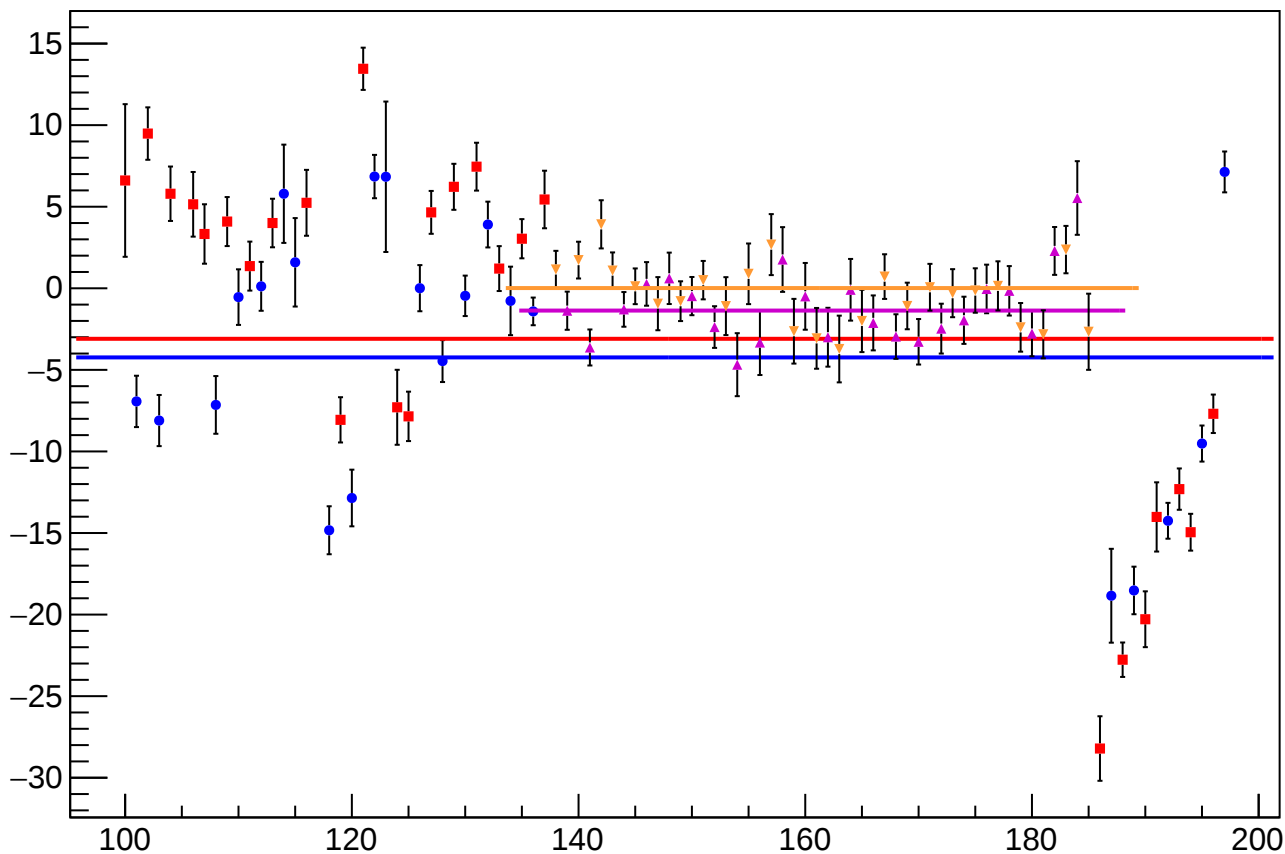
Left In: 6904.117 $\pm$ 1.184 χ^2 /NDF: 325912.6/22

+ sign 7071.175 $\pm$ 0.954 χ^2 /NDF: 1025374.0/46

All: 7030.405 $\pm$ 0.668 χ^2 /NDF: 2197426.1/95

- sign 6991.170 $\pm$ 0.936 χ^2 /NDF: 1168469.9/48

diff_bpm0l10Y_mean vs Slug



Right In: -4.237 ± 0.311 χ^2/NDF : 568.4/21

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

Right Out: -3.096 ± 0.293 χ^2/NDF : 1388.7/25

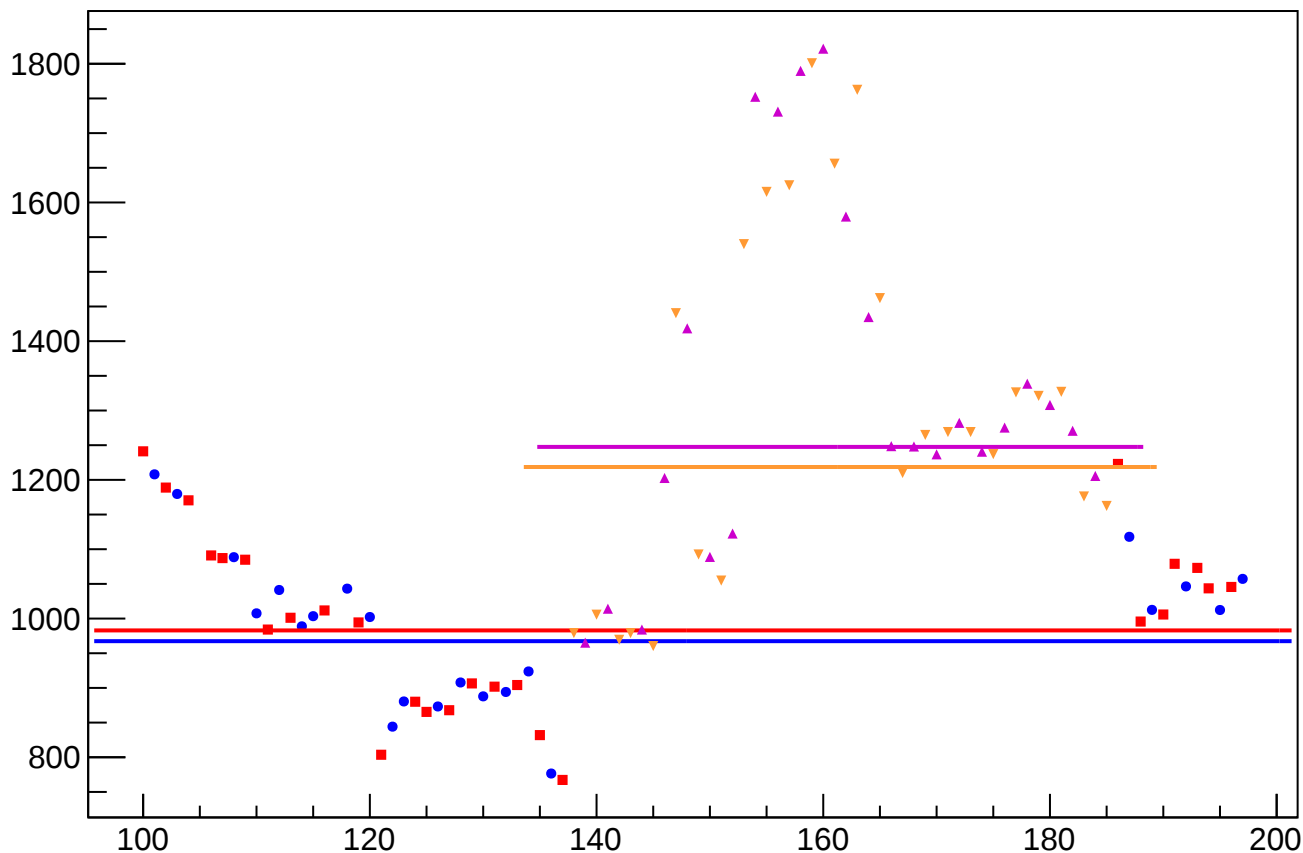
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -1.962 ± 0.212 χ^2/NDF : 703.3/46

All: -2.114 ± 0.150 χ^2/NDF : 2148.2/95

- sign -2.265 ± 0.212 χ^2/NDF : 1443.9/48

diff_bpm0l10Y_rms vs Slug



Right In: 967.408 ± 0.220 χ^2/NDF : 283633.2/21

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

Right Out: 982.905 ± 0.208 χ^2/NDF : 292372.3/25

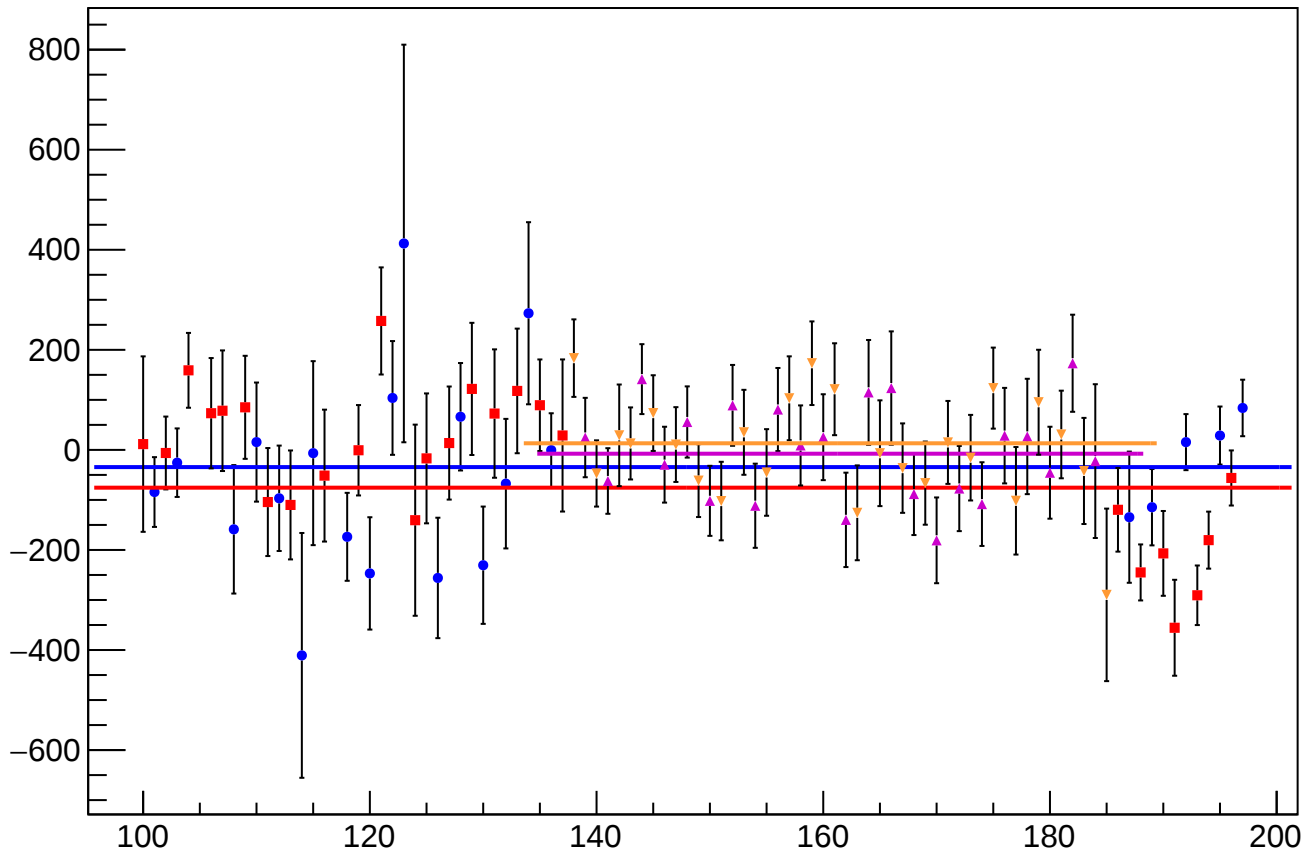
Left In: 1247.538 ± 0.216 χ^2/NDF : 1073390.3/22

+ sign 1101.814 ± 0.150 χ^2/NDF : 2246983.1/46

All: 1105.874 ± 0.106 χ^2/NDF : 4394644.7/95

- sign 1109.917 ± 0.150 χ^2/NDF : 2146198.8/48

diff_bpm0r03X_mean vs Slug



Right In: -34.380 ± 19.459 χ^2/NDF : 31.5/21

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

Right Out: -75.504 ± 17.614 χ^2/NDF : 75.0/25

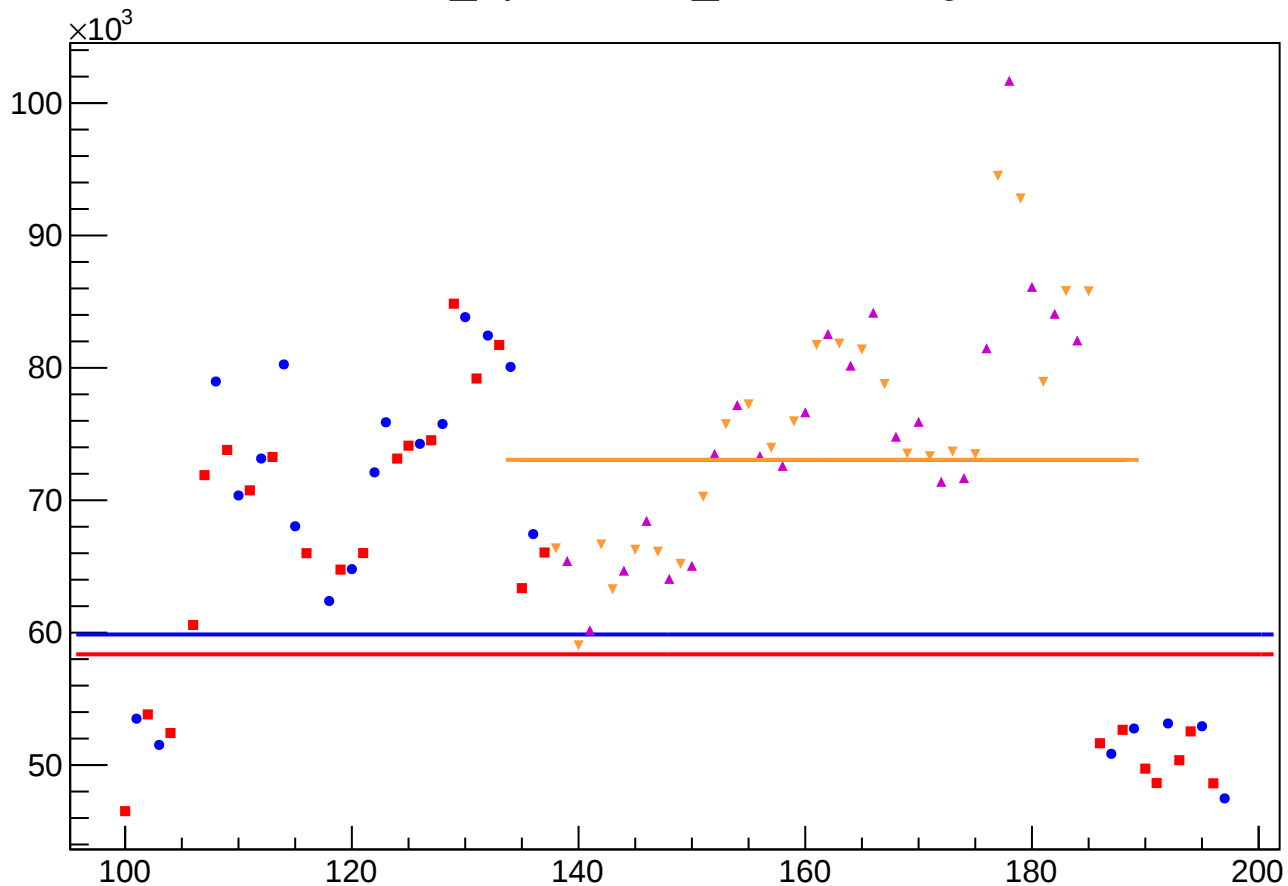
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign -7.592 ± 12.864 χ^2/NDF : 61.6/46

All: -25.155 ± 8.956 χ^2/NDF : 175.8/95

- sign -41.671 ± 12.475 χ^2/NDF : 110.5/48

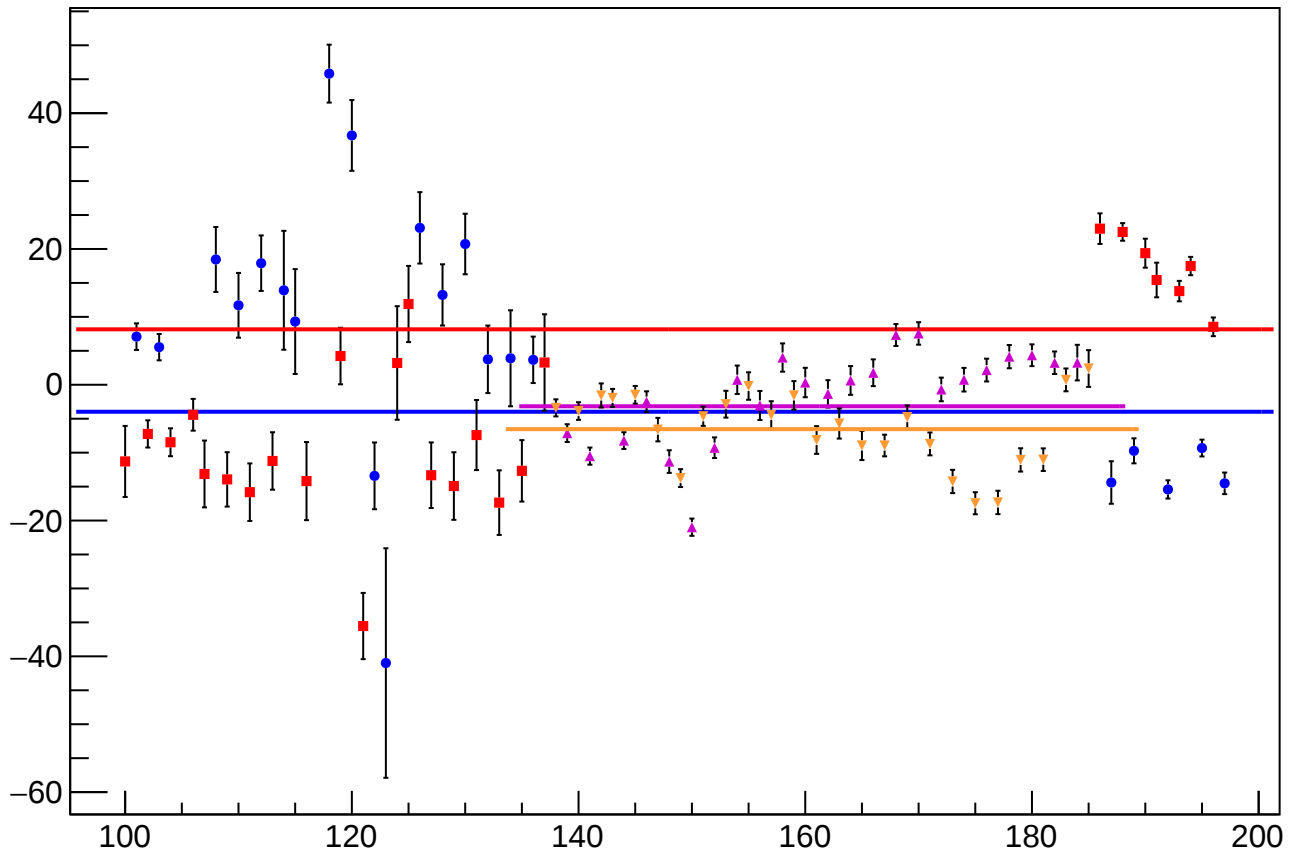
diff_bpm0r03X_rms vs Slug



Right In: 59864.455 $\pm$ 13.759 χ^2 /NDF: 630820.7/21
 Left Out: 73054.401 $\pm$ 12.124 χ^2 /NDF: 473050.9/24
 Right Out: 58364.234 $\pm$ 12.455 χ^2 /NDF: 682821.6/25
 Left In: 73045.500 $\pm$ 12.496 χ^2 /NDF: 463525.5/22

+ sign 67289.414 $\pm$ 9.097 χ^2 /NDF: 1621166.3/46
 All: 66460.564 $\pm$ 6.333 χ^2 /NDF: 3476060.2/9
 - sign 65681.086 $\pm$ 8.821 χ^2 /NDF: 1838783.9/48

diff_bpm0r03Y_mean vs Slug



Right In: -3.976 ± 0.566 $\chi^2/\text{NDF}: 566.8/21$

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

Right Out: 8.165 ± 0.499 $\chi^2/\text{NDF}: 731.0/25$

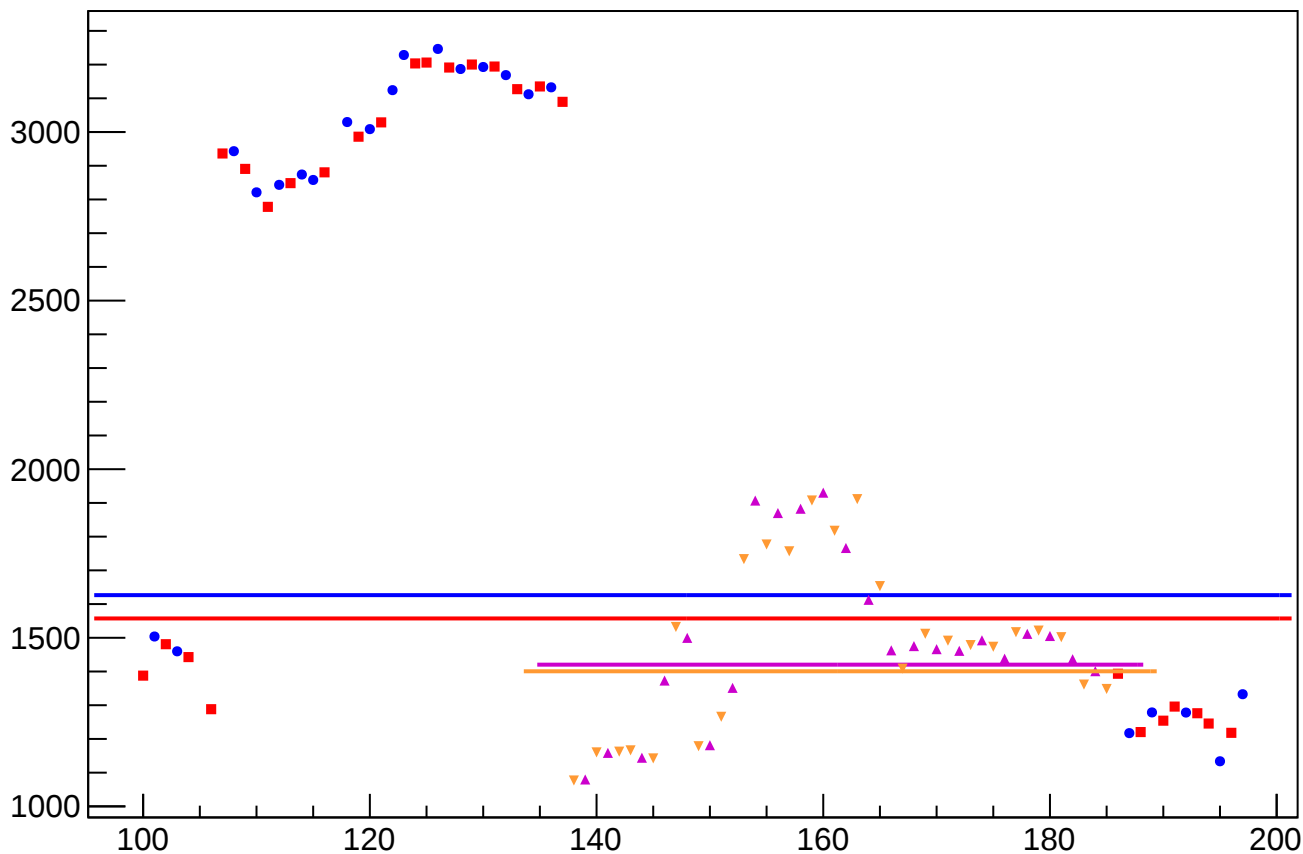
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -5.882 ± 0.286 $\chi^2/\text{NDF}: 834.7/46$

All: -2.665 ± 0.202 $\chi^2/\text{NDF}: 2652.2/95$

- sign 0.514 ± 0.285 $\chi^2/\text{NDF}: 1566.3/48$

diff_bpm0r03Y_rms vs Slug



Right In: 1626.493 $\pm$ 0.400 χ^2 /NDF: 3098921.4/21

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

Right Out: 1557.339 $\pm$ 0.353 χ^2 /NDF: 3249260.6/25

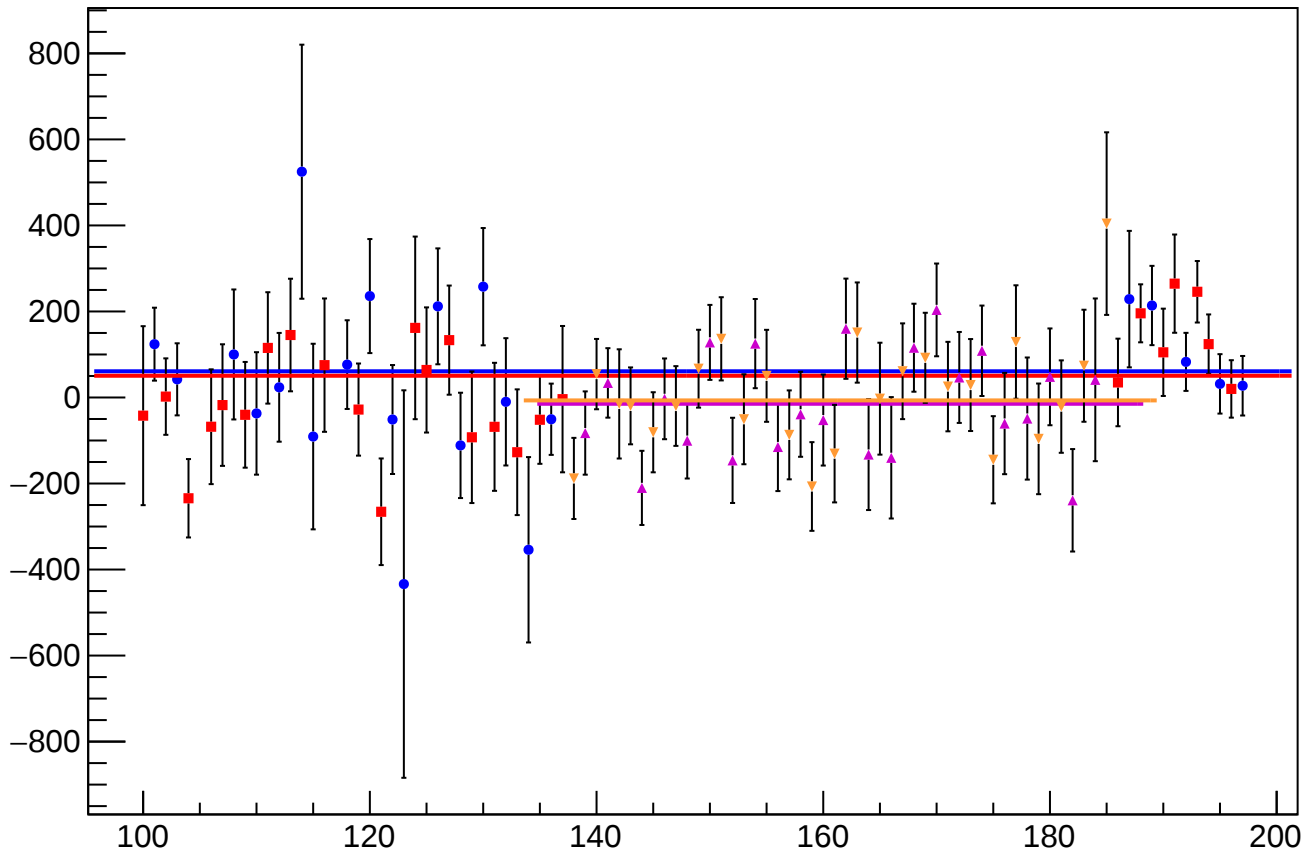
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF:905186.2/22

+ sign 1458.378 $\pm$ 0.202 χ^2 /NDF: 4373736.9/46

All: 1461.627 $\pm$ 0.143 χ^2 /NDF: 8630439.0/95

- sign 1464.838 $\pm$ 0.201 χ^2 /NDF: 4256190.0/48

diff_bpm0r05X_mean vs Slug



Right In: 60.912 ± 23.112 $\chi^2/\text{NDF}: 23.4/21$

Left Out: -6.789 ± 21.213 $\chi^2/\text{NDF}: 24.7/24$

Right Out: 50.537 ± 20.987 $\chi^2/\text{NDF}: 41.7/25$

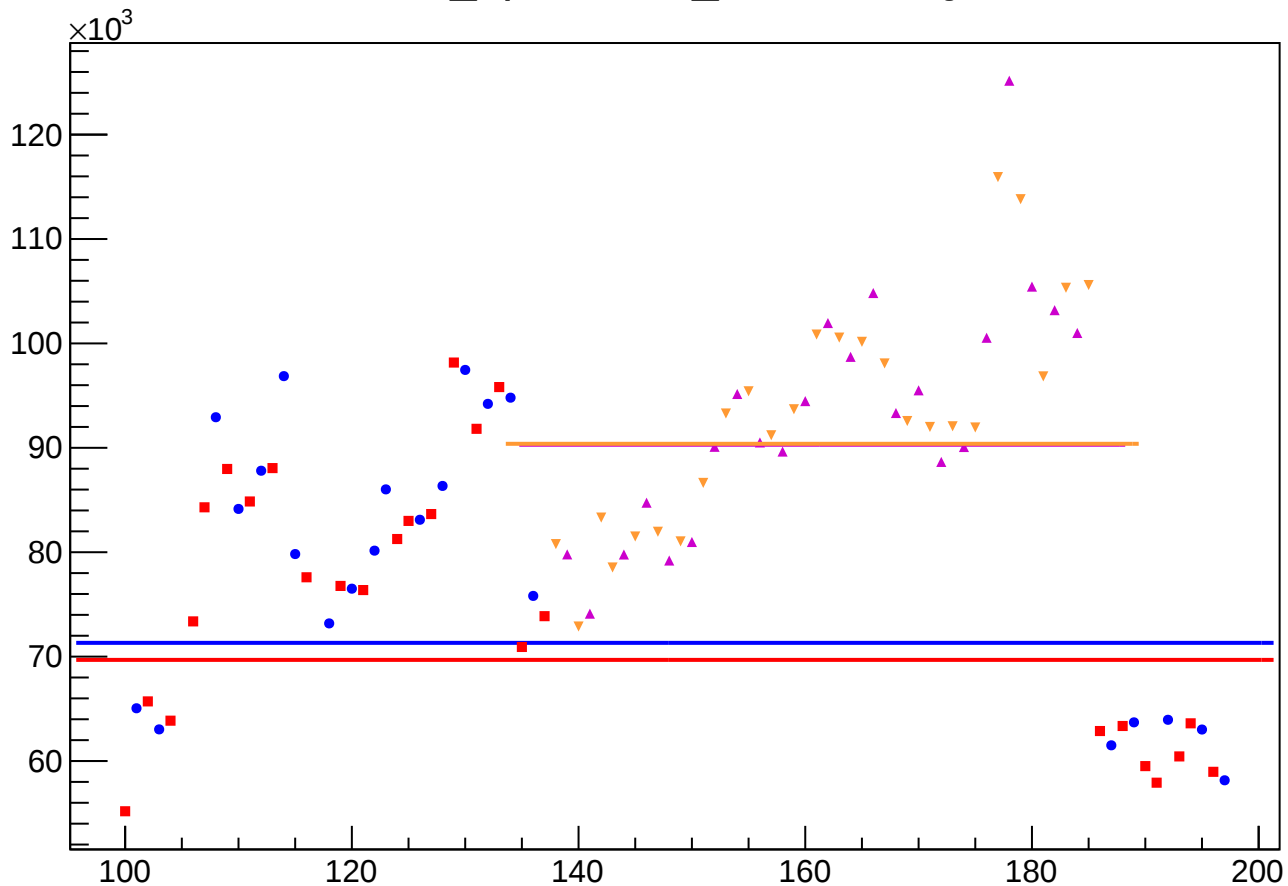
Left In: -14.611 ± 21.846 $\chi^2/\text{NDF}: 29.8/22$

+ sign 24.167 ± 15.628 $\chi^2/\text{NDF}: 52.7/46$

All: 21.640 ± 10.872 $\chi^2/\text{NDF}: 129.0/95$

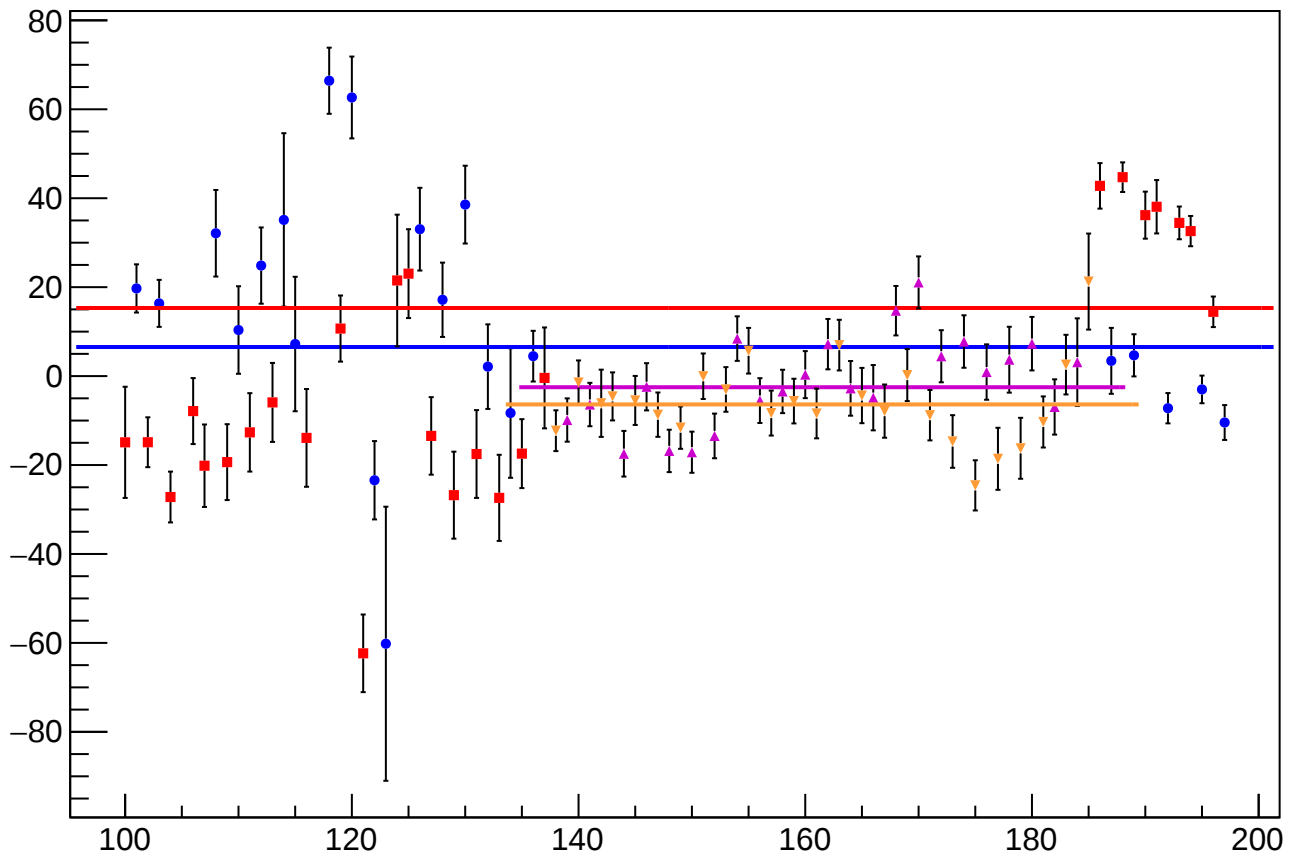
- sign 19.270 ± 15.135 $\chi^2/\text{NDF}: 76.2/48$

diff_bpm0r05X_rms vs Slug



Right In: 71319.257 $\pm$ 16.342	χ^2 /NDF: 498137.4/21	+ sign 81667.120 $\pm$ 11.051	χ^2 /NDF: 1698496.4/46
Left Out: 90384.853 $\pm$ 15.000	χ^2 /NDF: 461648.2/24	All: 80588.682 $\pm$ 7.688	χ^2 /NDF: 3673812.1/9
Right Out: 69687.603 $\pm$ 14.840	χ^2 /NDF: 570143.2/25	- sign 79577.283 $\pm$ 10.702	χ^2 /NDF: 1956860.1/48
Left In: 90293.591 $\pm$ 15.448	χ^2 /NDF: 461337.5/22		

diff_bpm0r05Y_mean vs Slug



Right In: 6.538 ± 1.338 χ^2/NDF : 210.8/21

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

Right Out: 15.316 ± 1.197 χ^2/NDF : 503.6/25

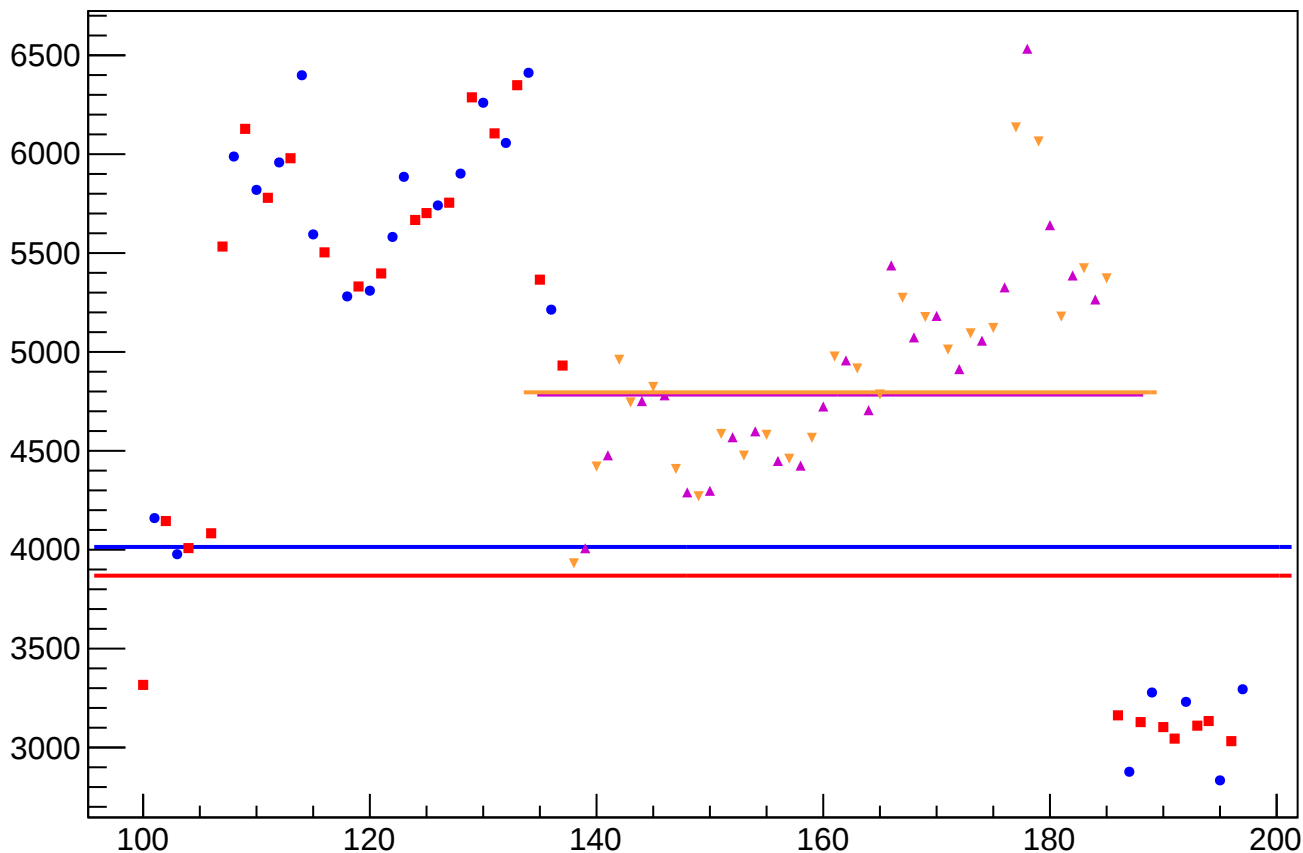
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -1.031 ± 0.861 χ^2/NDF : 310.9/46

All: 2.655 ± 0.598 χ^2/NDF : 1043.0/95

- sign 6.096 ± 0.832 χ^2/NDF : 696.7/48

diff_bpm0r05Y_rms vs Slug



Right In: 4013.999+/-0.946 χ^2/NDF : 1569637.8/21

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

Right Out: 3868.831+/-0.846 χ^2/NDF : 1758253.0/25

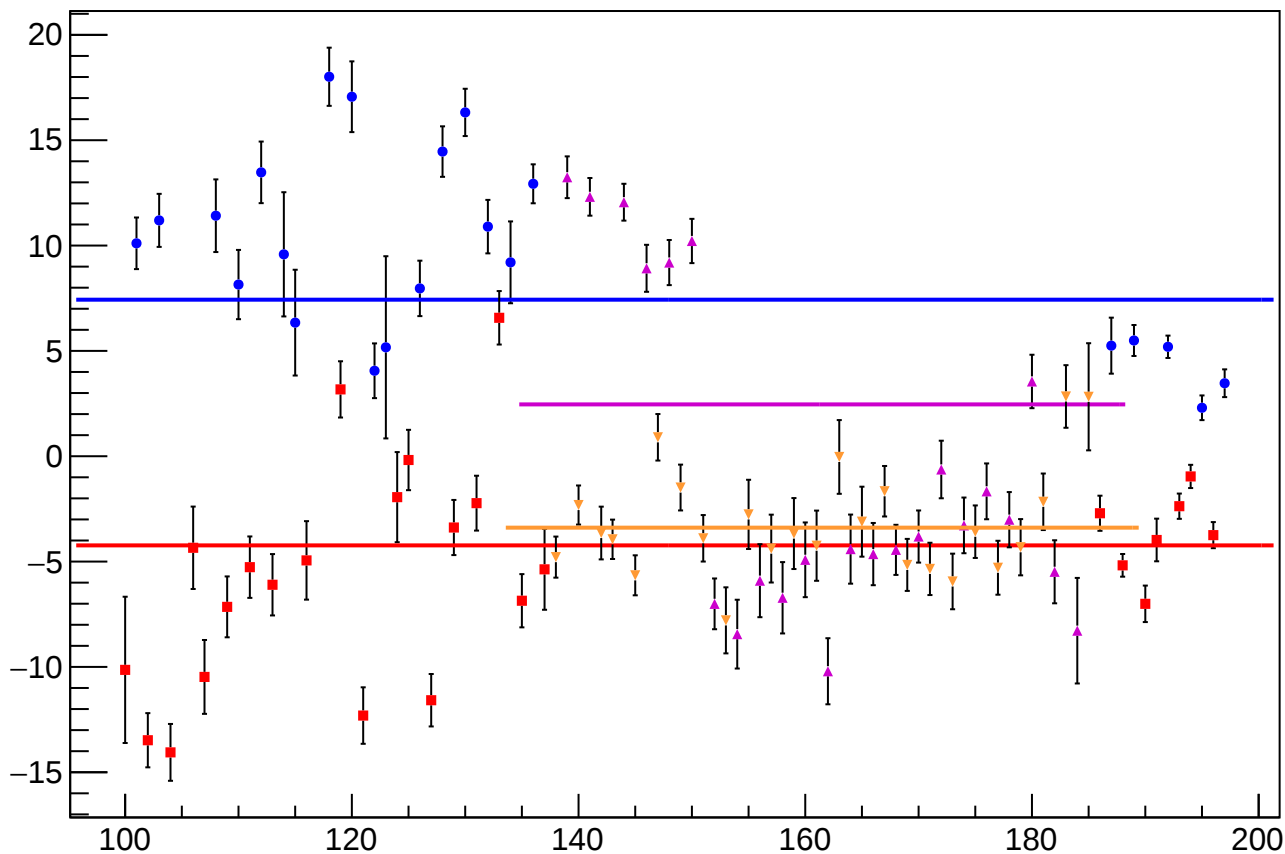
Left In: 4784.434+/-0.817 χ^2/NDF : 357507.2/22

+ sign 4472.452+/-0.609 χ^2/NDF : 2331251.2/46

All: 4405.319+/-0.423 χ^2/NDF : 5076021.5/95

- sign 4342.645+/-0.588 χ^2/NDF : 2721238.2/48

diff_bpm2i01X_mean vs Slug



Right In: 7.431 ± 0.226 χ^2/NDF : 417.0/21

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

Right Out: -4.232 ± 0.202 χ^2/NDF : 379.9/25

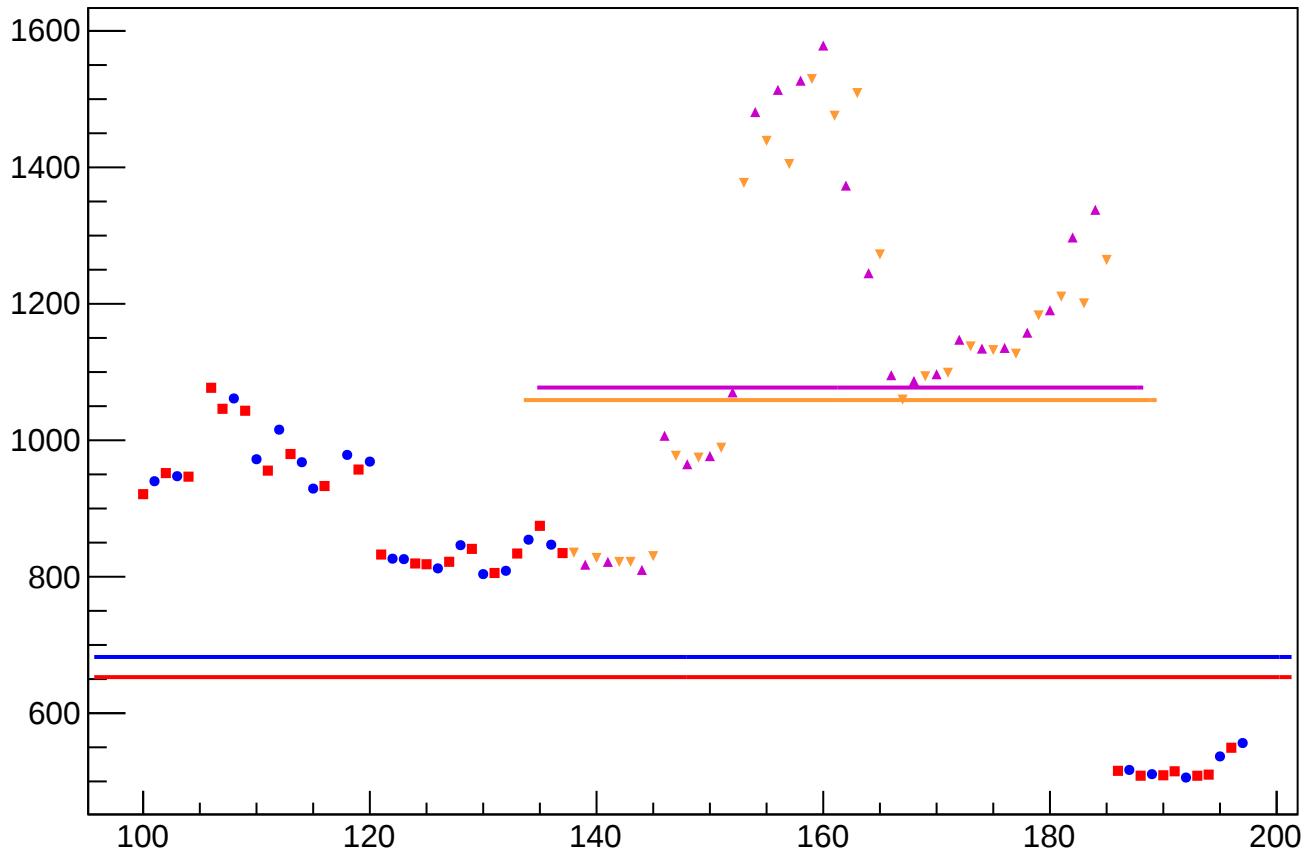
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.612 ± 0.168 χ^2/NDF : 1515.3/46

All: 0.315 ± 0.116 χ^2/NDF : 3583.3/95

- sign -1.769 ± 0.160 χ^2/NDF : 1712.9/48

diff_bpm2i01X_rms vs Slug



Right In: 682.401 $\pm$ 0.160 χ^2 /NDF: 1392688.8/21

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

Right Out: 652.872 $\pm$ 0.143 χ^2 /NDF: 1789755.3/25

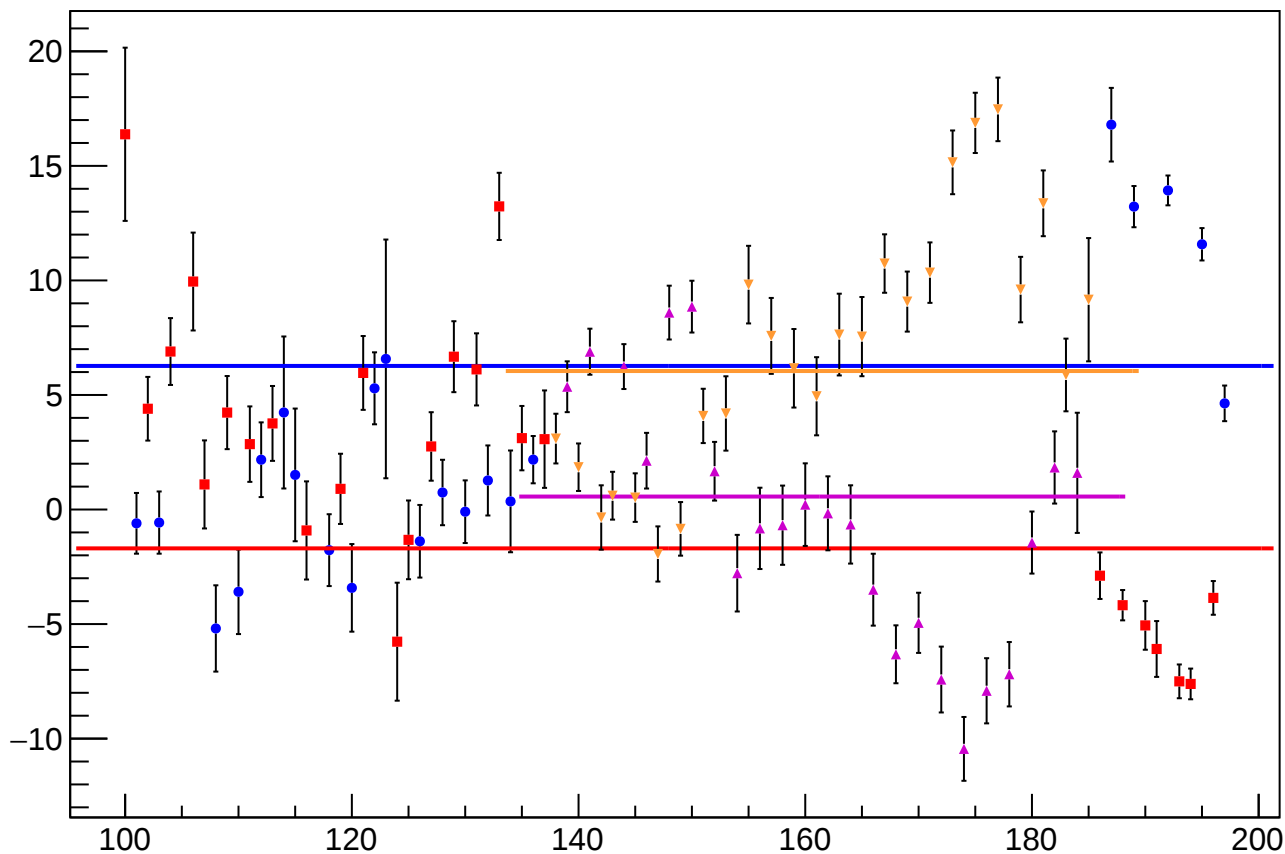
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF: 1280349.9/22

+ sign 850.085 $\pm$ 0.119 χ^2 /NDF: 5267705.8/46

All: 828.576 $\pm$ 0.082 χ^2 /NDF: 11657845.2/95

- sign 809.054 $\pm$ 0.113 χ^2 /NDF: 6327850.4/48

diff_bpm2i01Y_mean vs Slug



Right In: 6.268 ± 0.267 $\chi^2/\text{NDF}: 574.9/21$

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

Right Out: -1.696 ± 0.240 $\chi^2/\text{NDF}: 539.5/25$

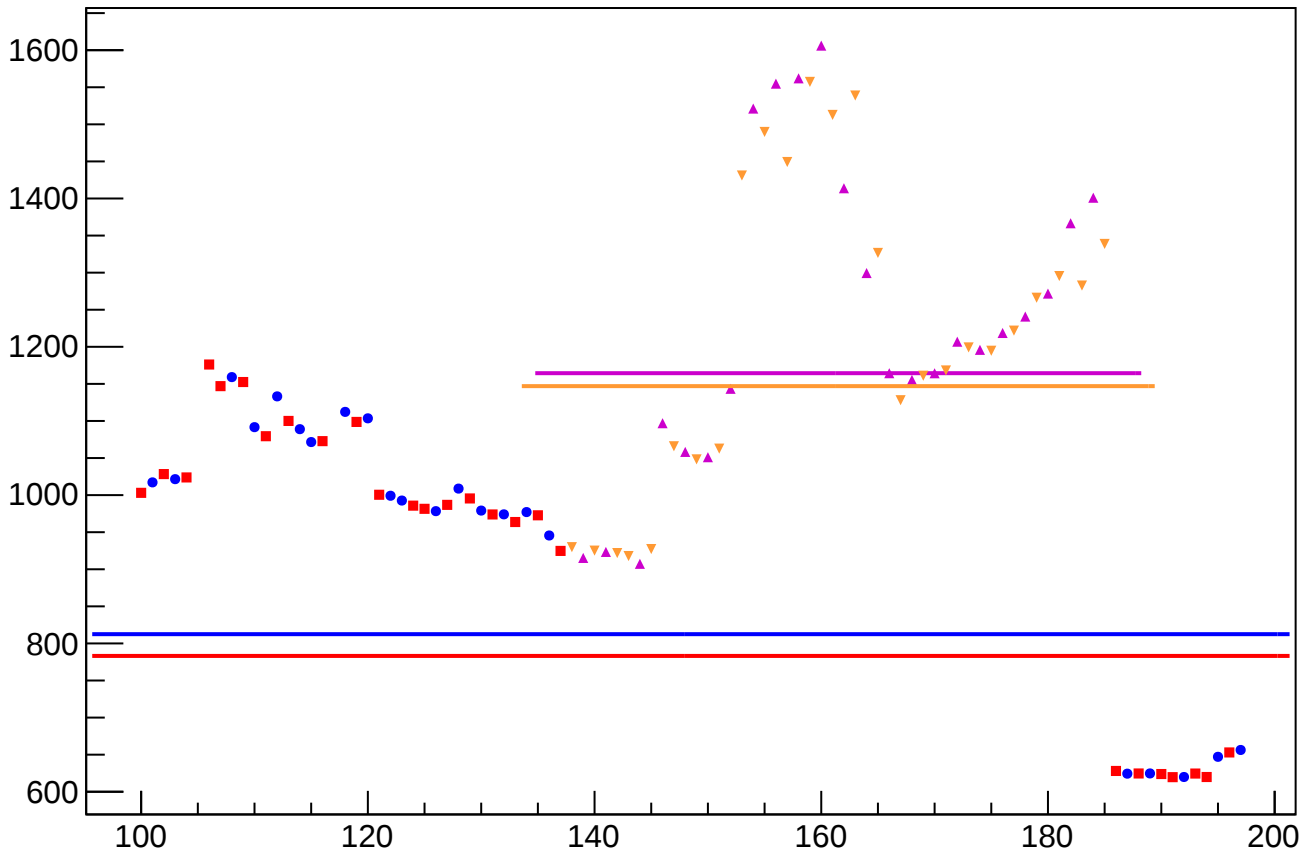
Left In: 0.566 ± 0.284 $\chi^2/\text{NDF}: 417.0/22$

+ sign 6.158 ± 0.190 $\chi^2/\text{NDF}: 1006.1/46$

All: 2.569 ± 0.132 $\chi^2/\text{NDF}: 2683.8/95$

- sign -0.755 ± 0.183 $\chi^2/\text{NDF}: 993.4/48$

diff_bpm2i01Y_rms vs Slug



Right In: 812.490 $\pm$ 0.189 χ^2 /NDF: 1101629.3/21

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

Right Out: 783.154 $\pm$ 0.170 χ^2 /NDF: 1402784.7/25

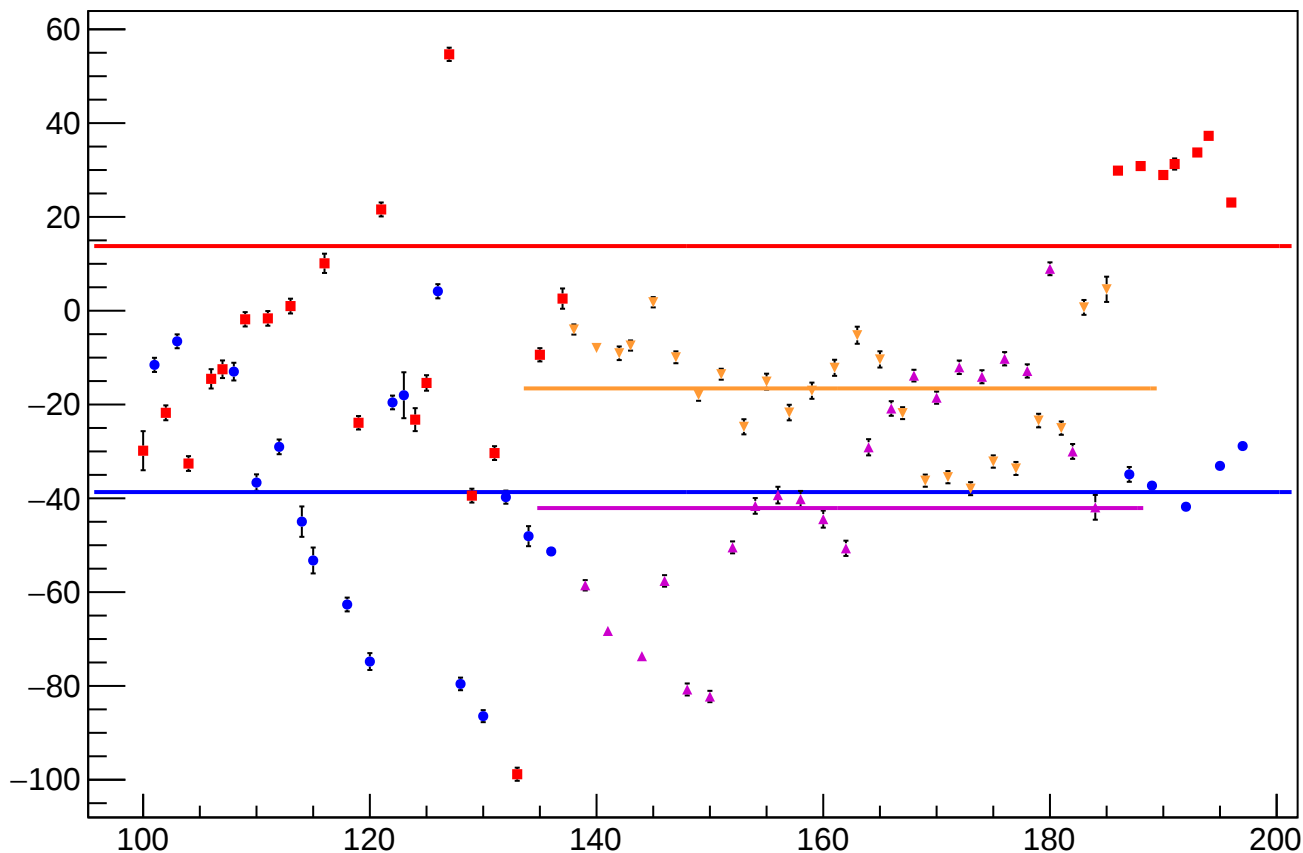
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF: 944112.0/22

+ sign 976.834 $\pm$ 0.135 χ^2 /NDF: 3689332.8/46

All: 958.627 $\pm$ 0.093 χ^2 /NDF: 8174812.5/95

- sign 941.766 $\pm$ 0.130 χ^2 /NDF: 4450266.0/48

diff_bpm2i02X_mean vs Slug



Right In: -38.666 ± 0.262 $\chi^2/\text{NDF}: 5439.8/21$

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

Right Out: 13.782 ± 0.234 $\chi^2/\text{NDF}: 16798.3/25$

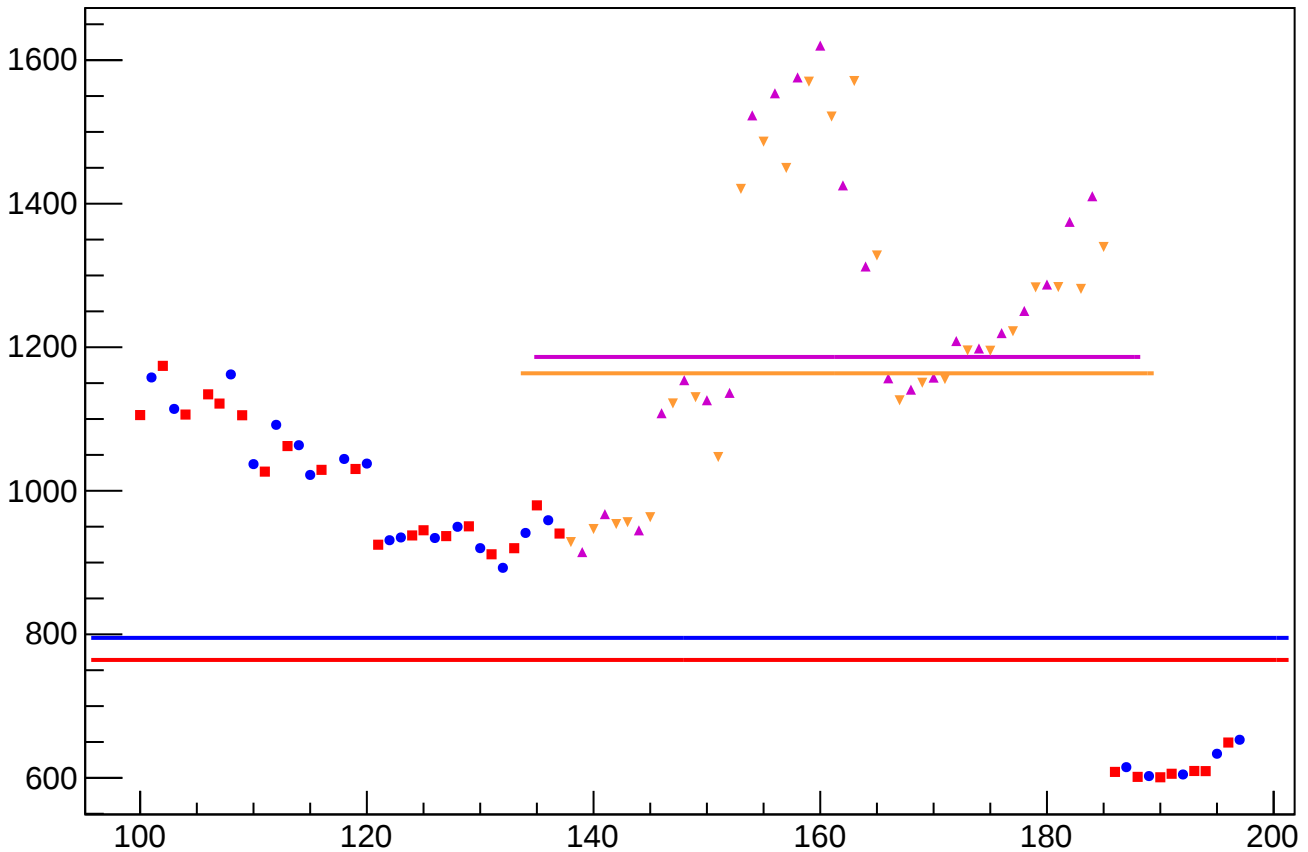
Left In: -42.077 ± 0.289 $\chi^2/\text{NDF}: 8332.3/22$

+ sign -28.180 ± 0.190 $\chi^2/\text{NDF}: 10758.2/46$

All: -17.863 ± 0.131 $\chi^2/\text{NDF}: 64114.8/95$

- sign -8.357 ± 0.182 $\chi^2/\text{NDF}: 47667.7/48$

diff_bpm2i02X_rms vs Slug



Right In: 795.063 $\pm$ 0.185 χ^2 /NDF: 1144435.9/21

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

Right Out: 764.320 $\pm$ 0.166 χ^2 /NDF: 1449271.9/25

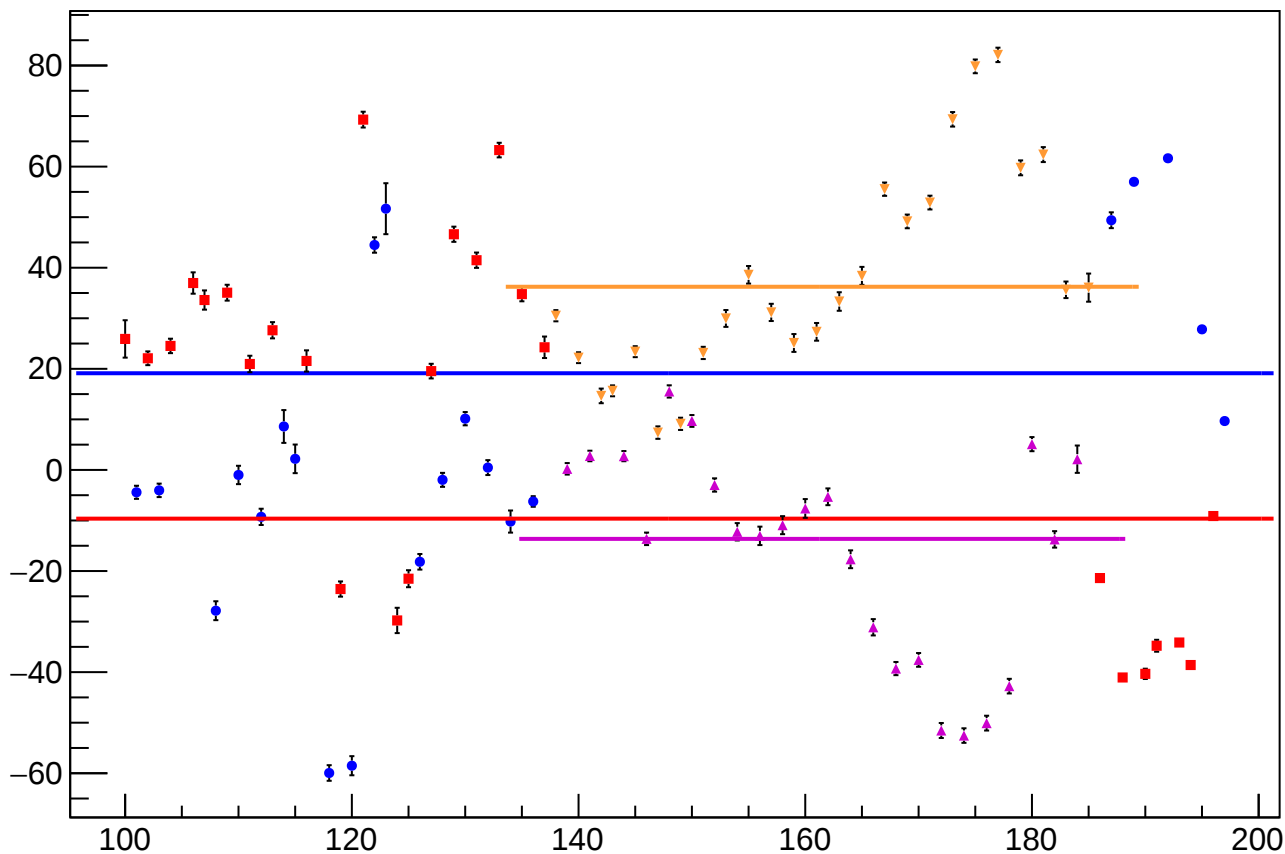
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF: 833420.3/22

+ sign 969.970 $\pm$ 0.134 χ^2 /NDF: 3965496.7/46

All: 950.020 $\pm$ 0.093 χ^2 /NDF: 8865227.5/95

- sign 931.639 $\pm$ 0.129 χ^2 /NDF: 4857190.0/48

diff_bpm2i02Y_mean vs Slug



Right In: 19.126 ± 0.260 $\chi^2/\text{NDF}: 15351.5/21$

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

Right Out: -9.636 ± 0.233 $\chi^2/\text{NDF}: 20749.3/25$

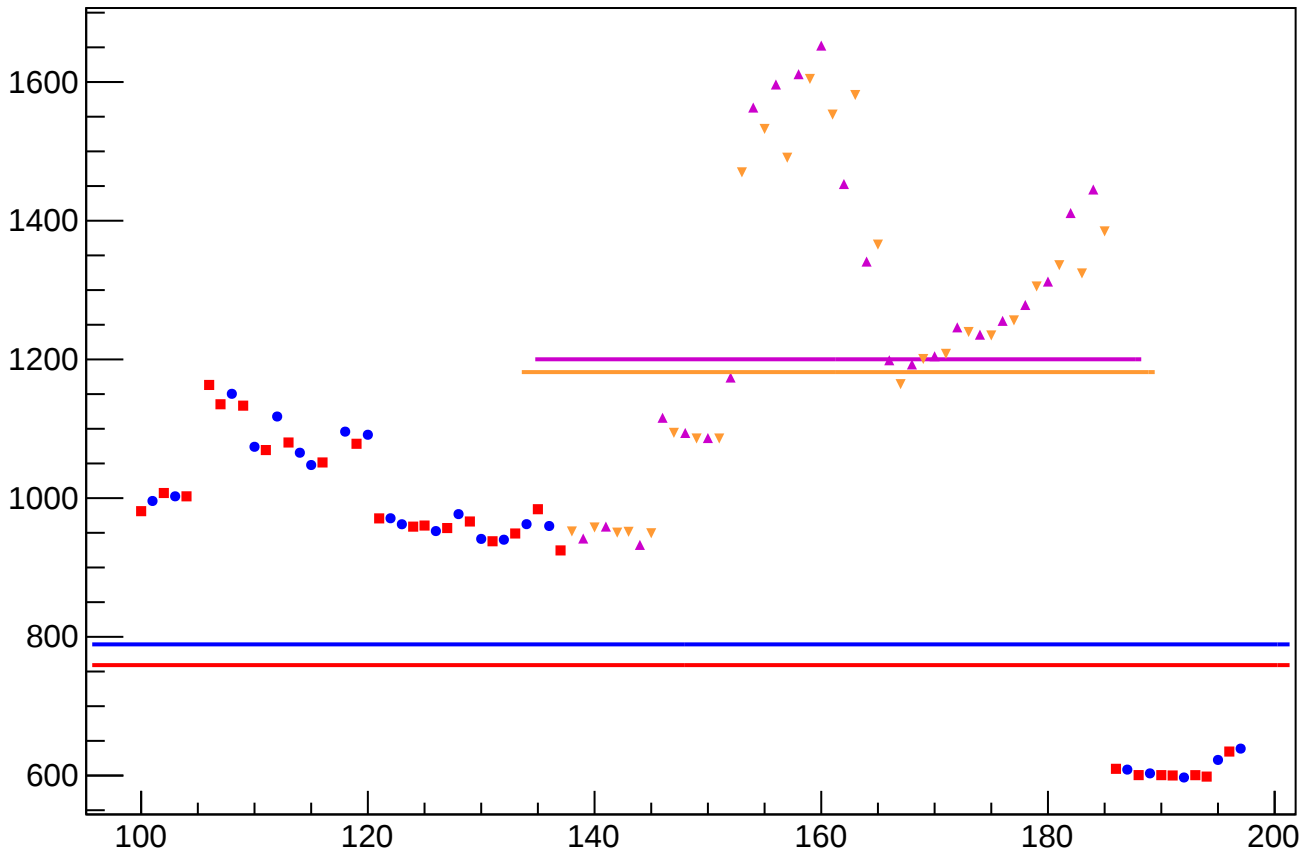
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 27.046 ± 0.190 $\chi^2/\text{NDF}: 23152.6/46$

All: 7.094 ± 0.132 $\chi^2/\text{NDF}: 70231.6/95$

- sign -11.188 ± 0.182 $\chi^2/\text{NDF}: 26041.7/48$

diff_bpm2i02Y_rms vs Slug



Right In: 789.132 $\pm$ 0.184 χ^2 /NDF: 1179081.4/21

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

Right Out: 759.225 $\pm$ 0.165 χ^2 /NDF: 1495074.7/25

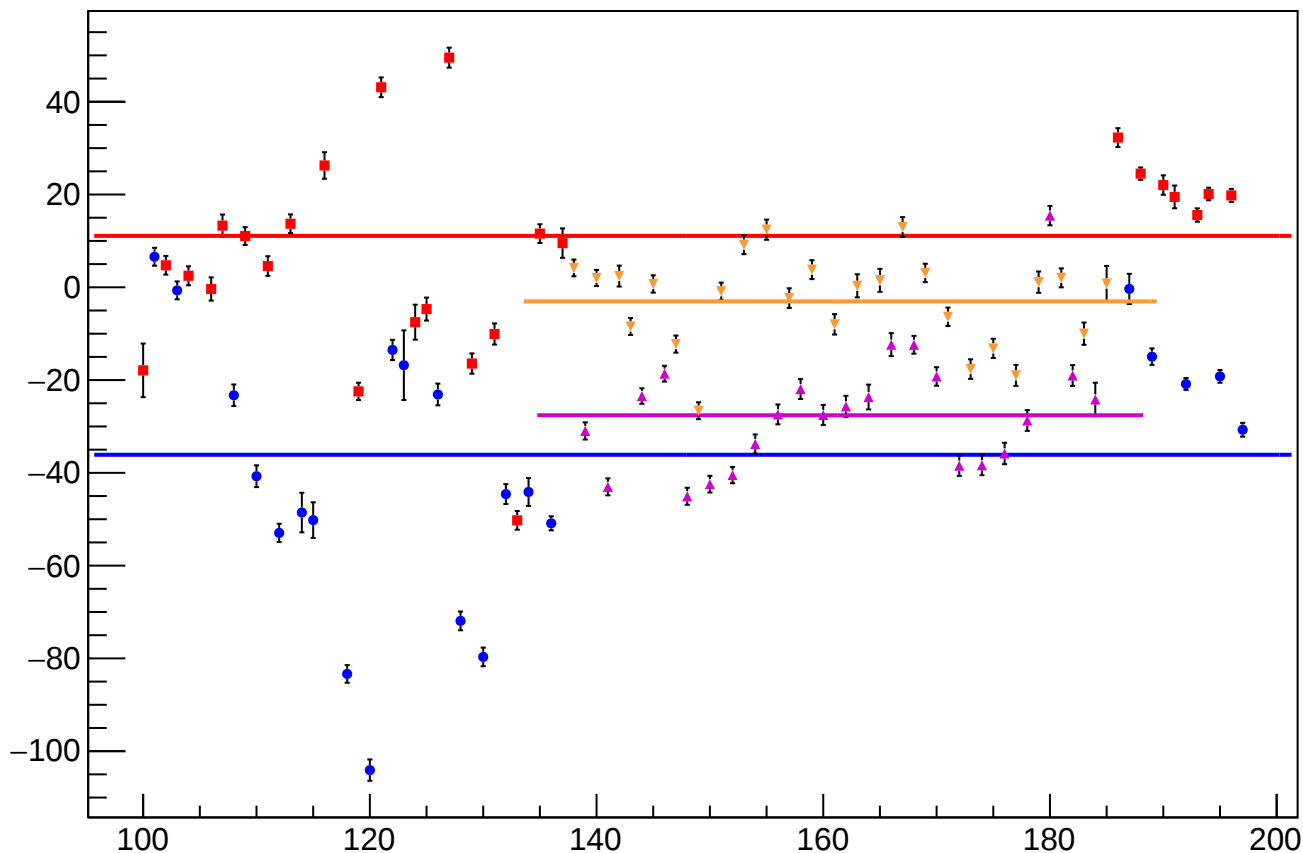
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 970.877 $\pm$ 0.135 χ^2 /NDF: 4336292.4/46

All: 949.618 $\pm$ 0.093 χ^2 /NDF: 9595661.8/95

- sign 930.139 $\pm$ 0.129 χ^2 /NDF: 5211602.6/48

diff_bpm0i02X_mean vs Slug



Right In: -36.101 ± 0.430 χ^2/NDF : 4063.3/21

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

Right Out: 11.089 ± 0.396 χ^2/NDF : 2558.3/25

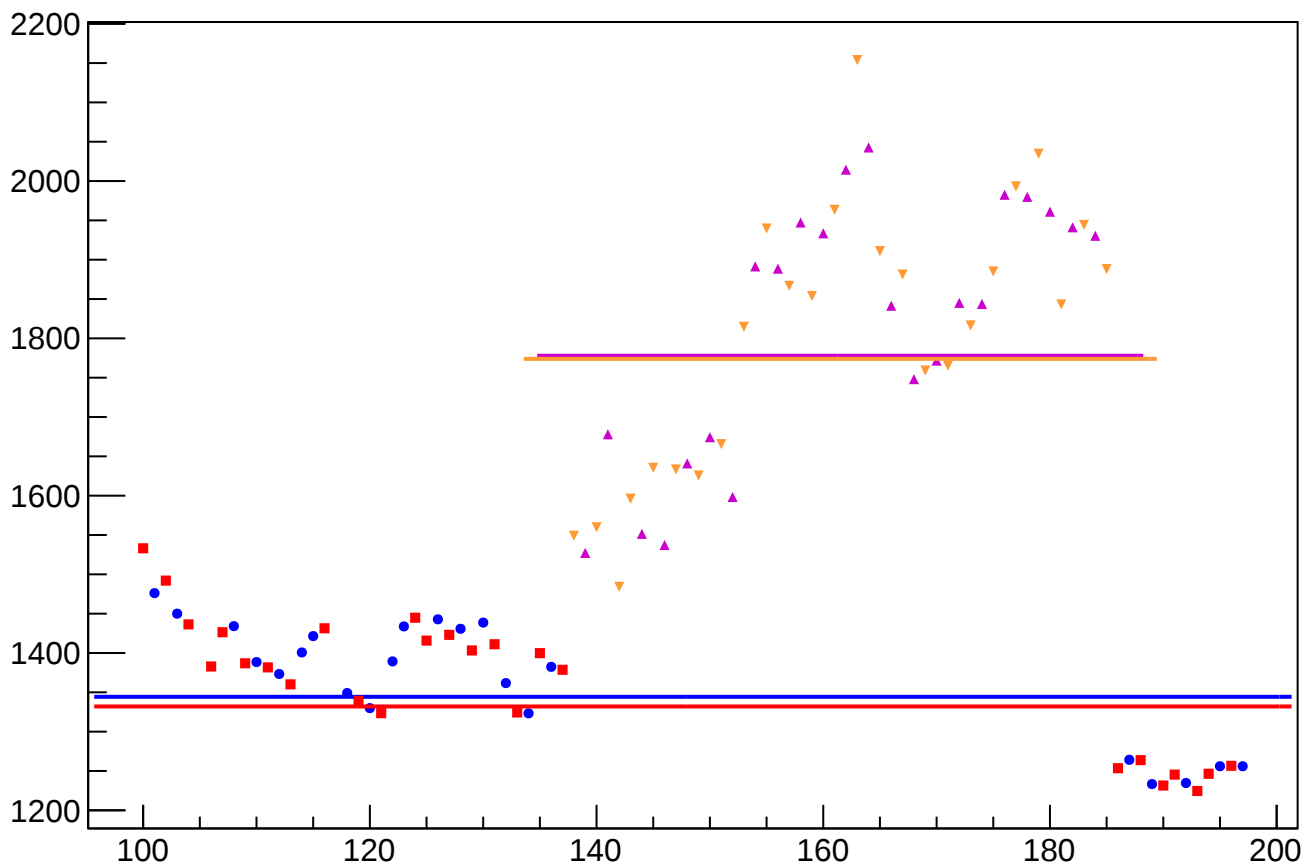
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -18.992 ± 0.299 χ^2/NDF : 7680.8/46

All: -12.678 ± 0.208 χ^2/NDF : 16461.3/95

- sign -6.686 ± 0.291 χ^2/NDF : 7908.9/48

diff_bpm0i02X_rms vs Slug



Right In: 1344.297 $\pm$ 0.304 χ^2 /NDF: 73662.8/21

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

Right Out: 1332.010 $\pm$ 0.280 χ^2 /NDF: 84800.2/25

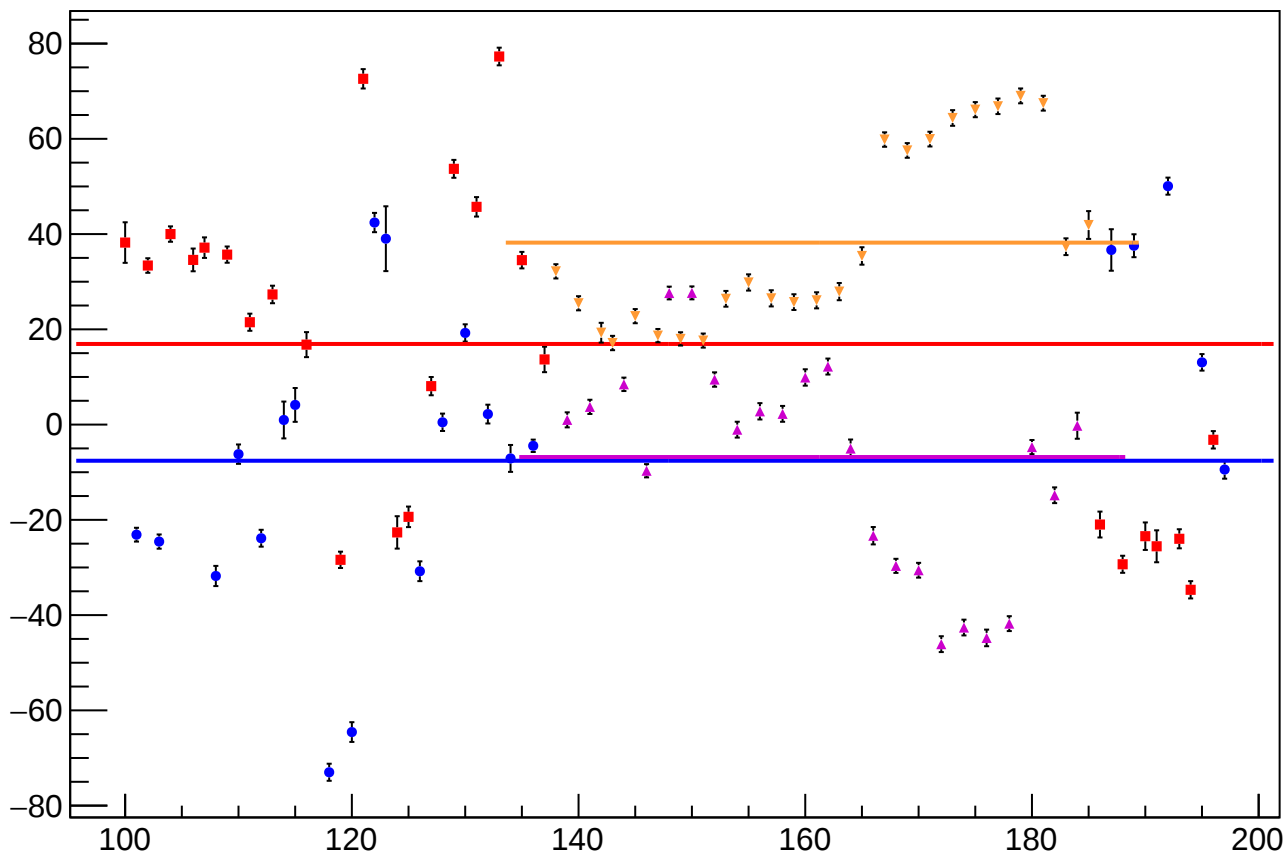
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1566.628 $\pm$ 0.211 χ^2 /NDF: 1420804.1/46

All: 1551.399 $\pm$ 0.147 χ^2 /NDF: 2982555.1/95

- sign 1536.947 $\pm$ 0.206 χ^2 /NDF: 1551610.3/48

diff_bpm0i02Y_mean vs Slug



Right In: -7.590 ± 0.422 χ^2/NDF : 5245.3/21

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

Right Out: 16.930 ± 0.398 χ^2/NDF : 6843.4/25

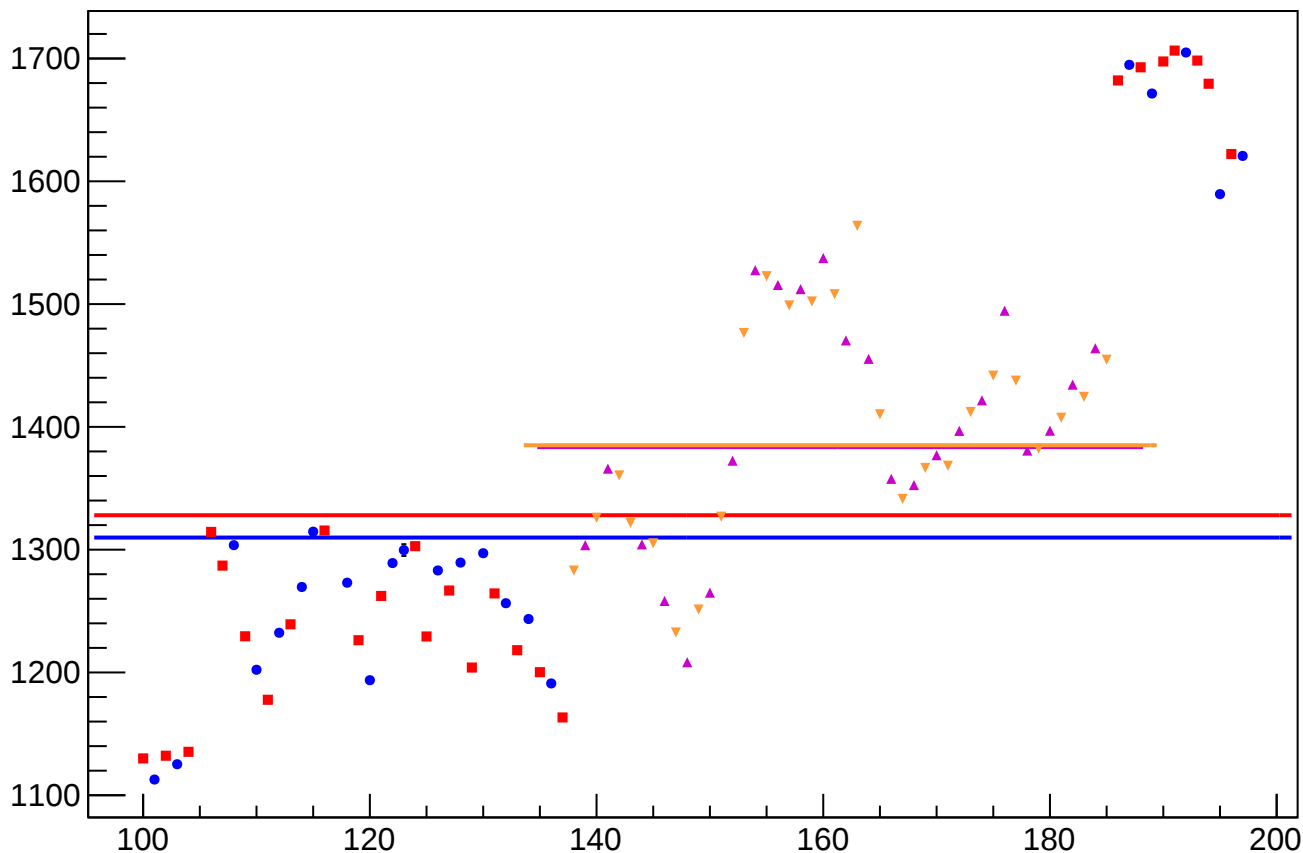
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 21.270 ± 0.257 χ^2/NDF : 16176.6/46

All: 12.068 ± 0.181 χ^2/NDF : 32162.0/95

- sign 2.952 ± 0.256 χ^2/NDF : 13427.5/48

diff_bpm0i02Y_rms vs Slug



Right In: 1309.863+/-0.298 χ^2/NDF : 366790.7/21

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

Right Out: 1328.039+/-0.282 χ^2/NDF : 513323.4/25

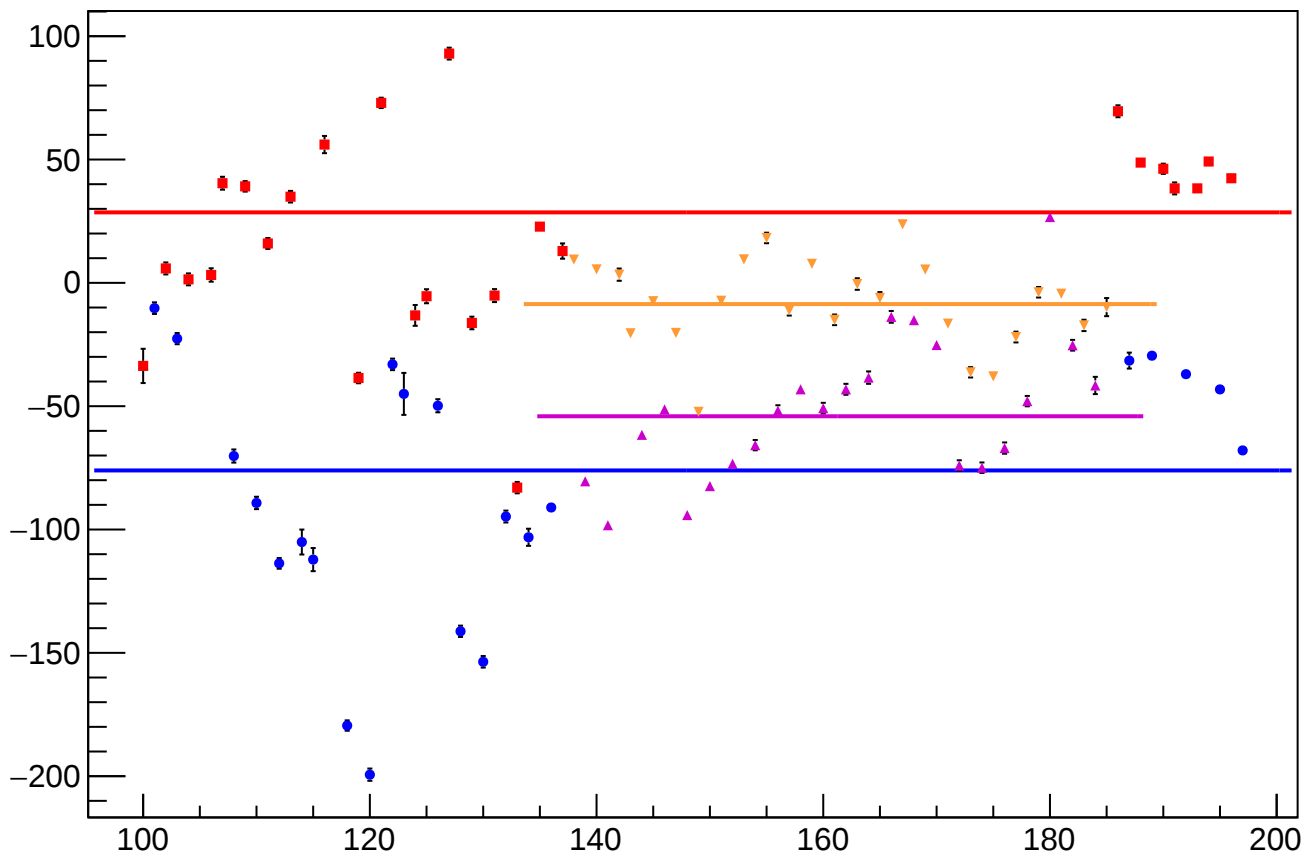
Left In: 1383.558+/-0.235 χ^2/NDF : 154696.0/22

+ sign 1357.253+/-0.182 χ^2/NDF : 552789.9/46

All: 1359.000+/-0.128 χ^2/NDF : 1243853.9/95

- sign 1360.730+/-0.181 χ^2/NDF : 690879.8/48

diff_bpm0i02aX_mean vs Slug



Right In: -76.050 ± 0.469 χ^2/NDF : 11488.3/21

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

Right Out: 28.572 ± 0.428 χ^2/NDF : 6708.4/25

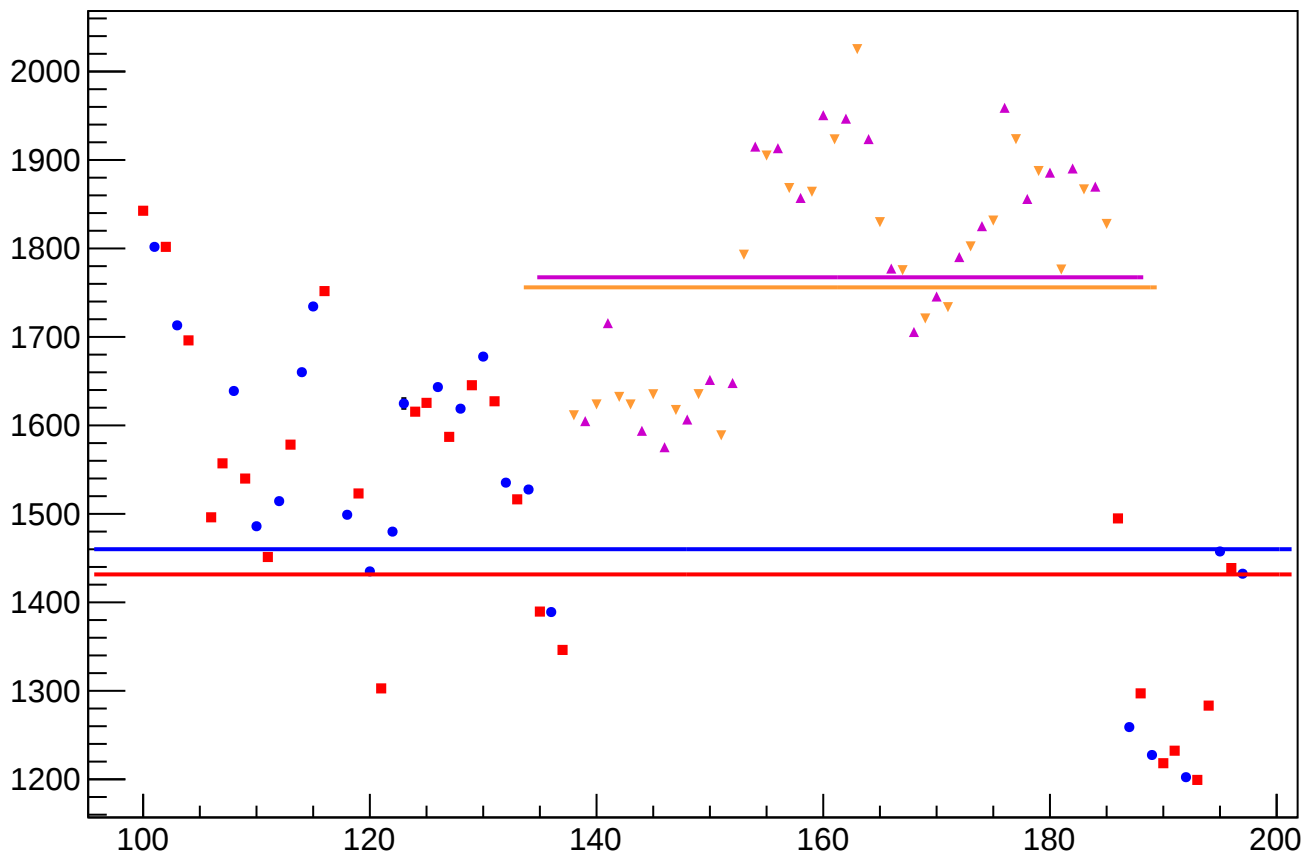
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -37.825 ± 0.309 χ^2/NDF : 25129.5/46

All: -25.093 ± 0.216 χ^2/NDF : 58652.8/95

- sign -12.946 ± 0.302 χ^2/NDF : 30202.2/48

diff_bpm0i02aX_rms vs Slug



Right In: 1460.073+/-0.332 χ^2/NDF : 258951.4/21

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

Right Out: 1431.579+/-0.302 χ^2/NDF : 307526.1/25

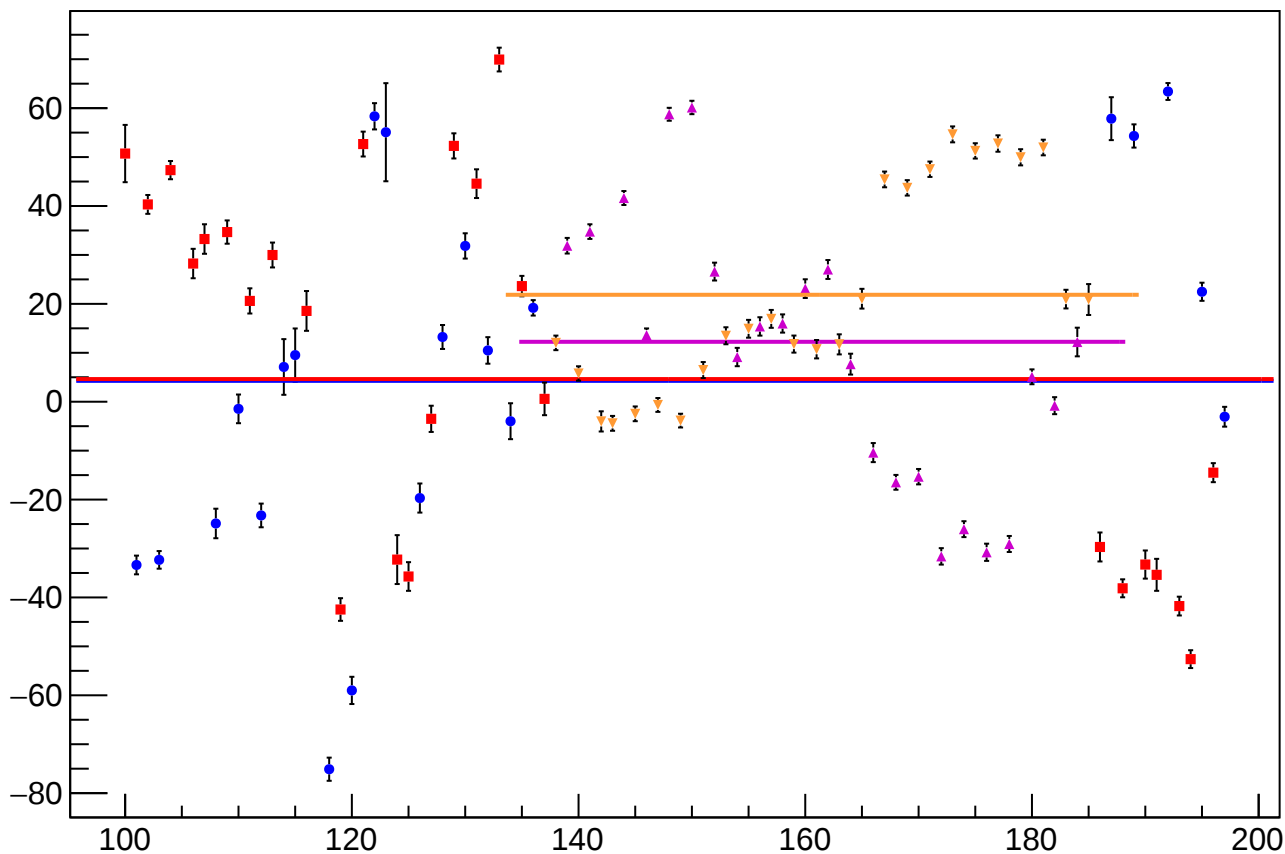
Left In: 1767.410+/-0.301 χ^2/NDF : 187958.2/22

+ sign 1627.813+/-0.218 χ^2/NDF : 885727.6/46

All: 1613.711+/-0.153 χ^2/NDF : 2009064.8/95

- sign 1600.257+/-0.213 χ^2/NDF : 1115188.6/48

diff_bpm0i02aY_mean vs Slug



Right In: 4.270 ± 0.524 $\chi^2/\text{NDF}: 5270.0/21$

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

Right Out: 4.629 ± 0.488 $\chi^2/\text{NDF}: 6420.5/25$

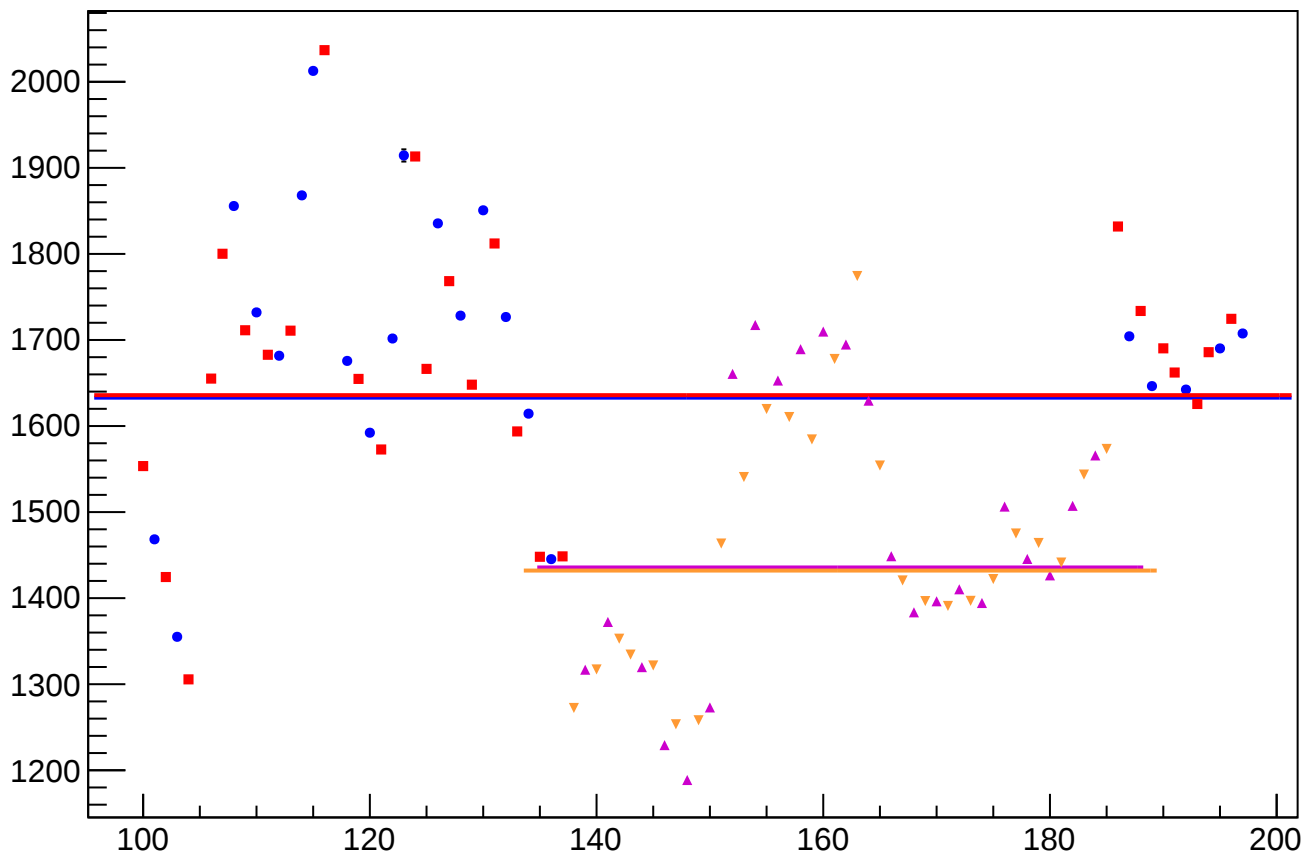
Left In: 12.246 ± 0.347 $\chi^2/\text{NDF}: 6781.6/22$

+ sign 16.747 ± 0.282 $\chi^2/\text{NDF}: 10179.6/46$

All: 13.220 ± 0.200 $\chi^2/\text{NDF}: 23855.9/95$

- sign 9.685 ± 0.283 $\chi^2/\text{NDF}: 13364.1/48$

diff_bpm0i02aY_rms vs Slug



Right In: 1632.990 $\pm$ 0.371 χ^2 /NDF: 155995.8/21

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

Right Out: 1635.865 $\pm$ 0.345 χ^2 /NDF: 181267.7/25

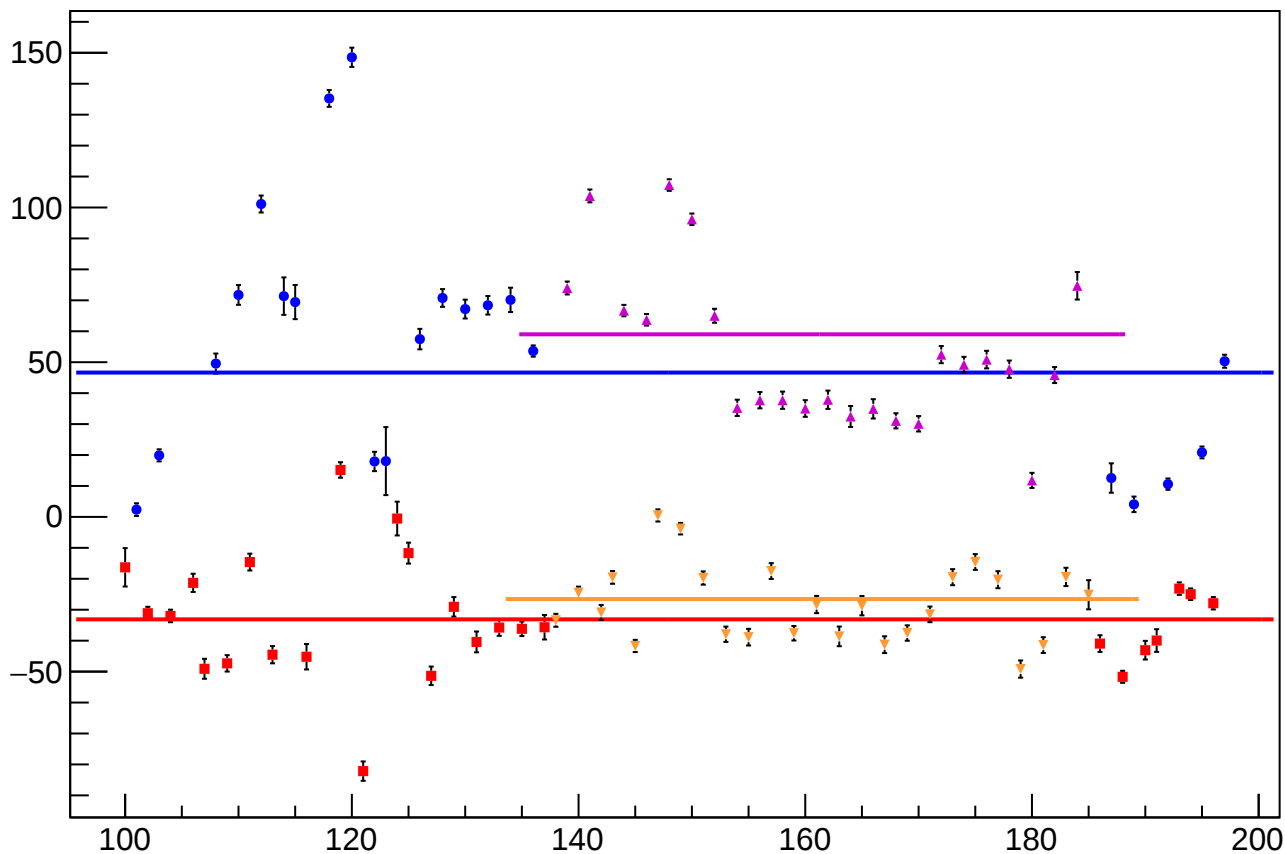
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1490.431 $\pm$ 0.200 χ^2 /NDF: 661976.6/46

All: 1496.691 $\pm$ 0.141 χ^2 /NDF: 1489863.4/95

- sign 1502.966 $\pm$ 0.200 χ^2 /NDF: 825919.4/48

diff_bpm0i05X_mean vs Slug



Right In: 46.652 ± 0.574 χ^2/NDF : 4519.7/21

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

Right Out: -33.112 ± 0.526 χ^2/NDF : 1052.8/25

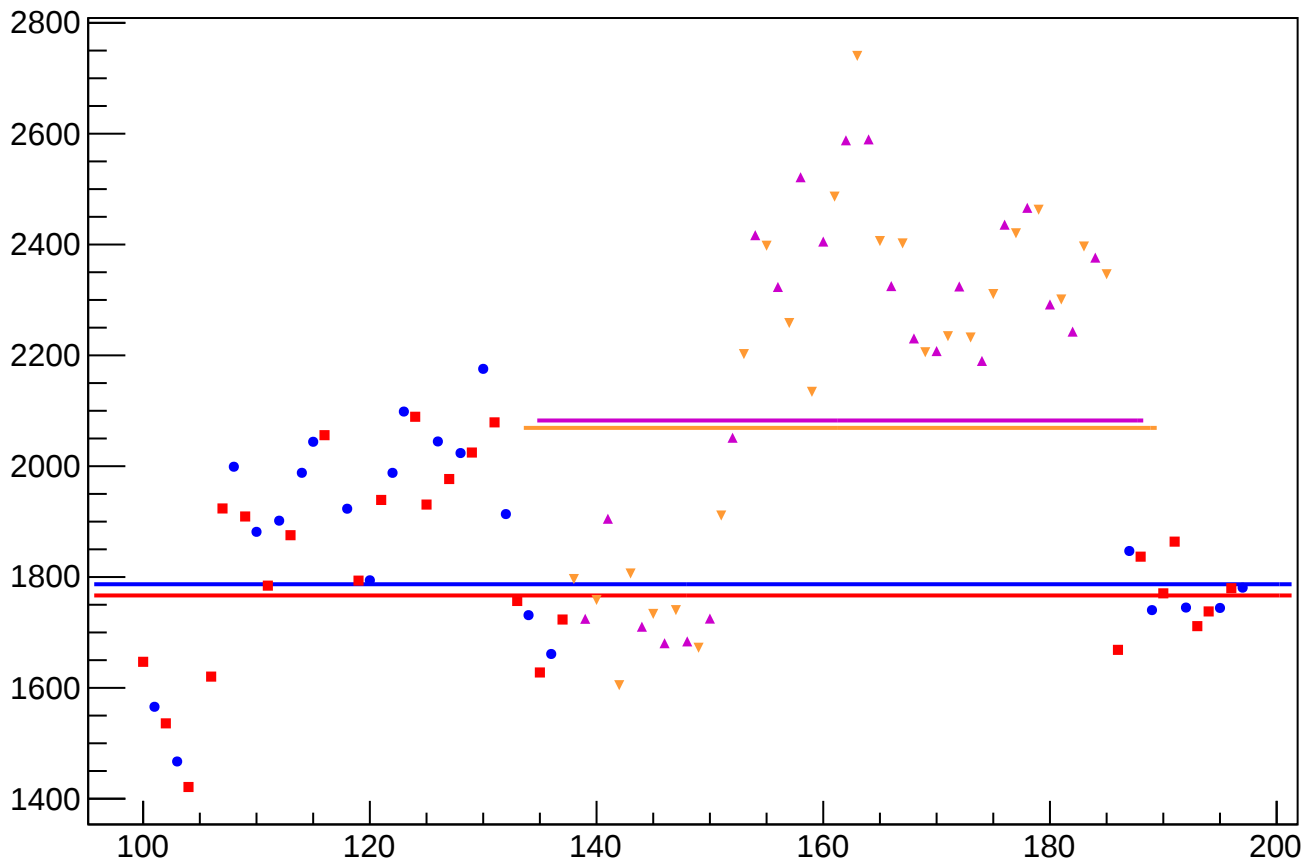
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 4.168 ± 0.372 χ^2/NDF : 14686.6/46

All: 9.549 ± 0.260 χ^2/NDF : 34839.4/95

- sign -14.739 ± 0.365 χ^2/NDF : 19741.0/48

diff_bpm0i05X_rms vs Slug



Right In: 1786.998 $\pm$ 0.406 χ^2 /NDF: 187550.0/21

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

Right Out: 1766.758 $\pm$ 0.372 χ^2 /NDF: 186546.4/25

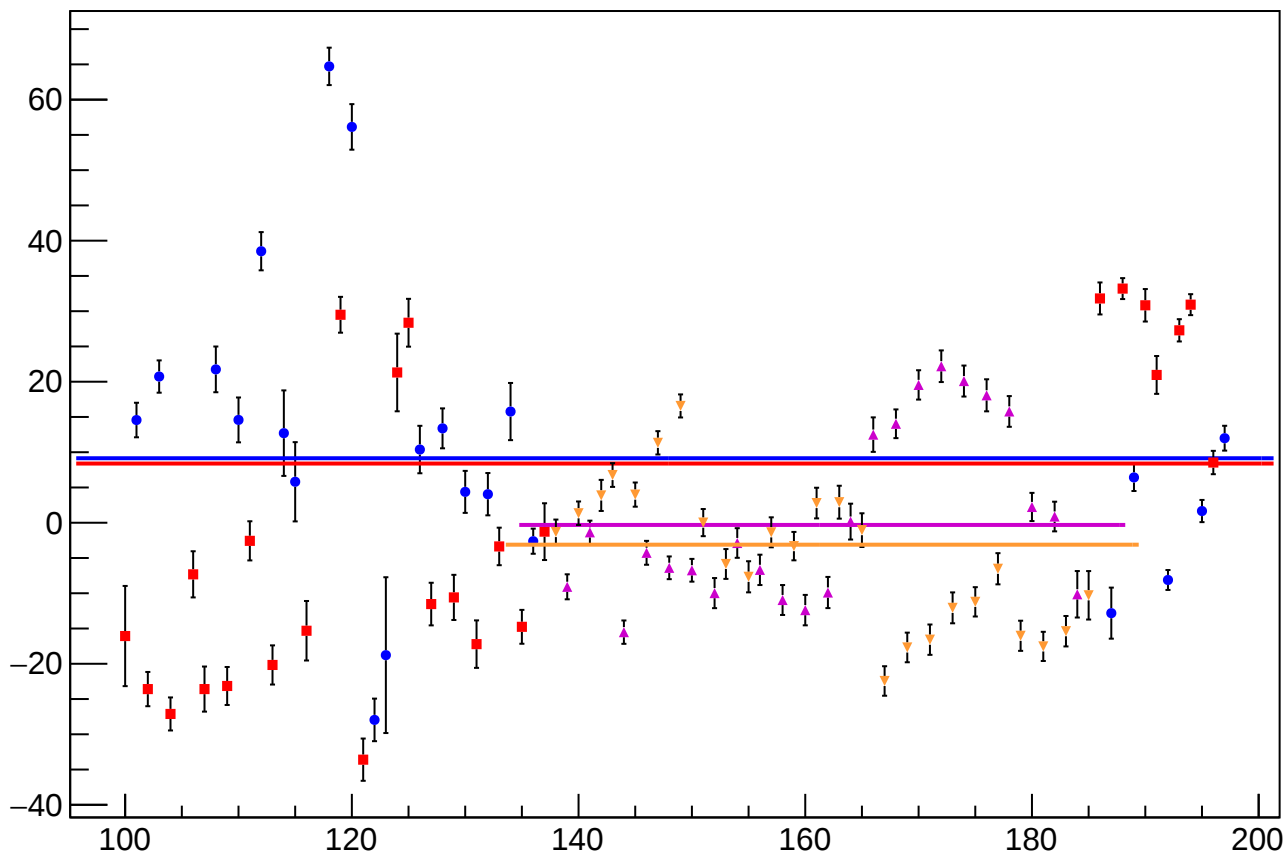
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1950.737 $\pm$ 0.263 χ^2 /NDF: 1267323.4/46

All: 1940.565 $\pm$ 0.184 χ^2 /NDF: 2615746.3/95

- sign 1930.755 $\pm$ 0.258 χ^2 /NDF: 1345479.7/48

diff_bpm0i05Y_mean vs Slug



Right In: 9.146 ± 0.535 χ^2/NDF : 1242.1/21

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

Right Out: 8.394 ± 0.484 χ^2/NDF : 2263.5/25

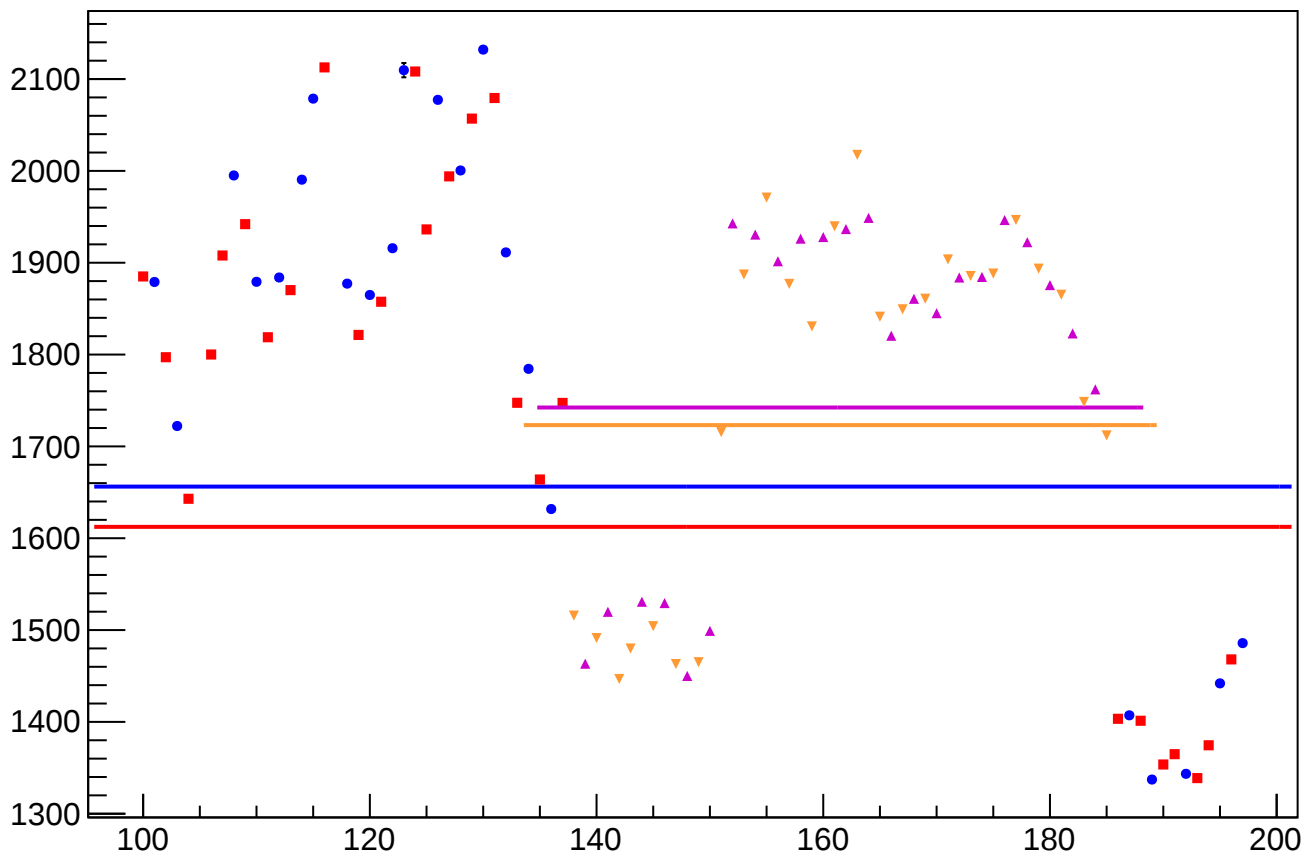
Left In: -0.312 ± 0.421 χ^2/NDF : 736.5/22

+ sign 1.338 ± 0.323 χ^2/NDF : 2219.6/46

All: 2.404 ± 0.226 χ^2/NDF : 5425.2/95

- sign 3.438 ± 0.318 χ^2/NDF : 3184.1/48

diff_bpm0i05Y_rms vs Slug



Right In: 1656.227 $\pm$ 0.379 χ^2 /NDF: 468767.7/21

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

Right Out: 1612.377 $\pm$ 0.342 χ^2 /NDF: 529487.9/25

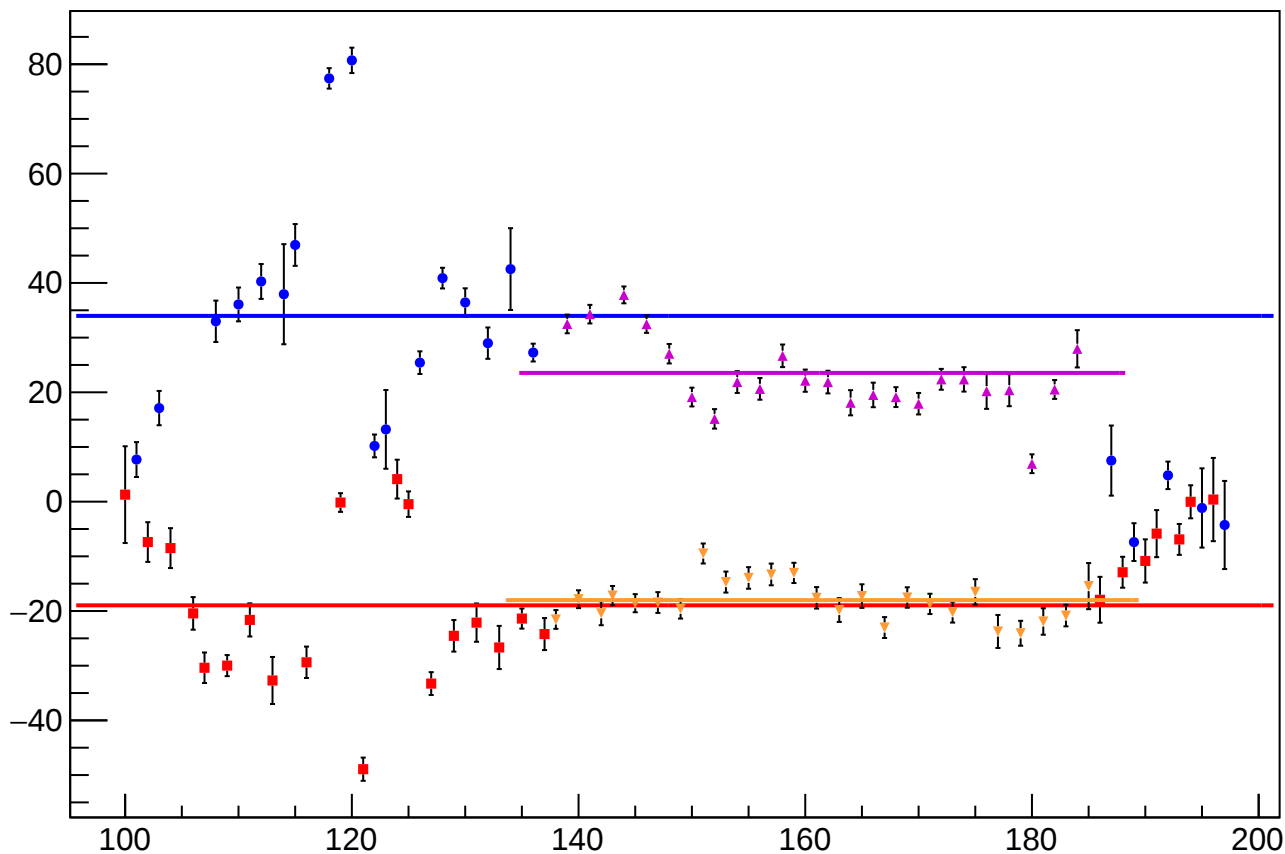
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1698.865 $\pm$ 0.228 χ^2 /NDF: 966120.2/46

All: 1692.524 $\pm$ 0.160 χ^2 /NDF: 2015042.5/95

- sign 1686.375 $\pm$ 0.225 χ^2 /NDF: 1047400.5/48

diff_bpm0i07X_mean vs Slug



Right In: 33.974 ± 0.603 $\chi^2/\text{NDF}: 1588.8/21$

Left Out: -18.007 ± 0.397 $\chi^2/\text{NDF}: 73.8/24$

Right Out: -18.963 ± 0.555 $\chi^2/\text{NDF}: 665.3/25$

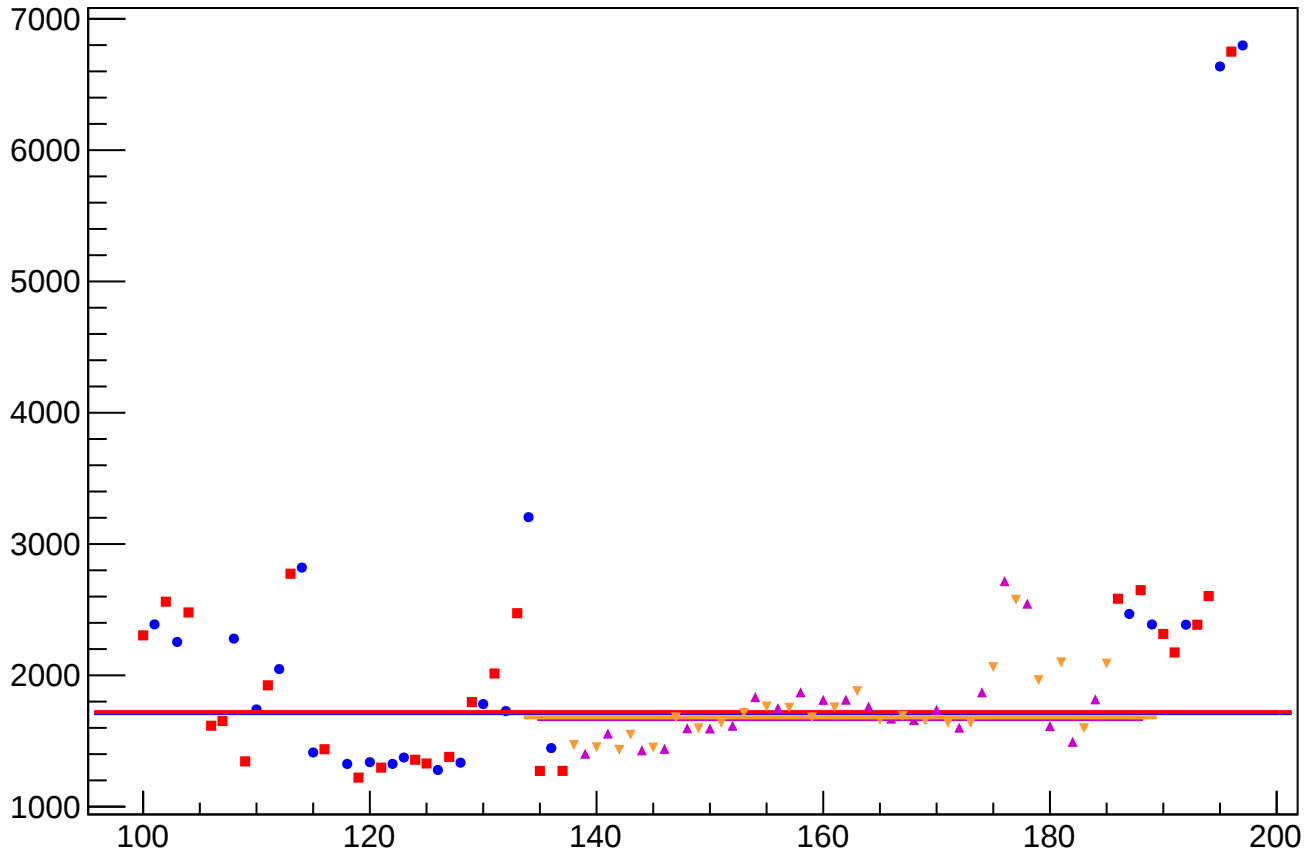
Left In: 23.544 ± 0.406 $\chi^2/\text{NDF}: 346.7/22$

+ sign -2.302 ± 0.331 $\chi^2/\text{NDF}: 6850.4/46$

All: 3.289 ± 0.233 $\chi^2/\text{NDF}: 12246.3/95$

- sign 8.752 ± 0.328 $\chi^2/\text{NDF}: 4833.0/48$

diff_bpm0i07X_rms vs Slug



Right In: 1712.327+/-0.426 χ^2/NDF : 2737461.0/21

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

Right Out: 1720.071+/-0.393 χ^2/NDF : 2587489.7/25

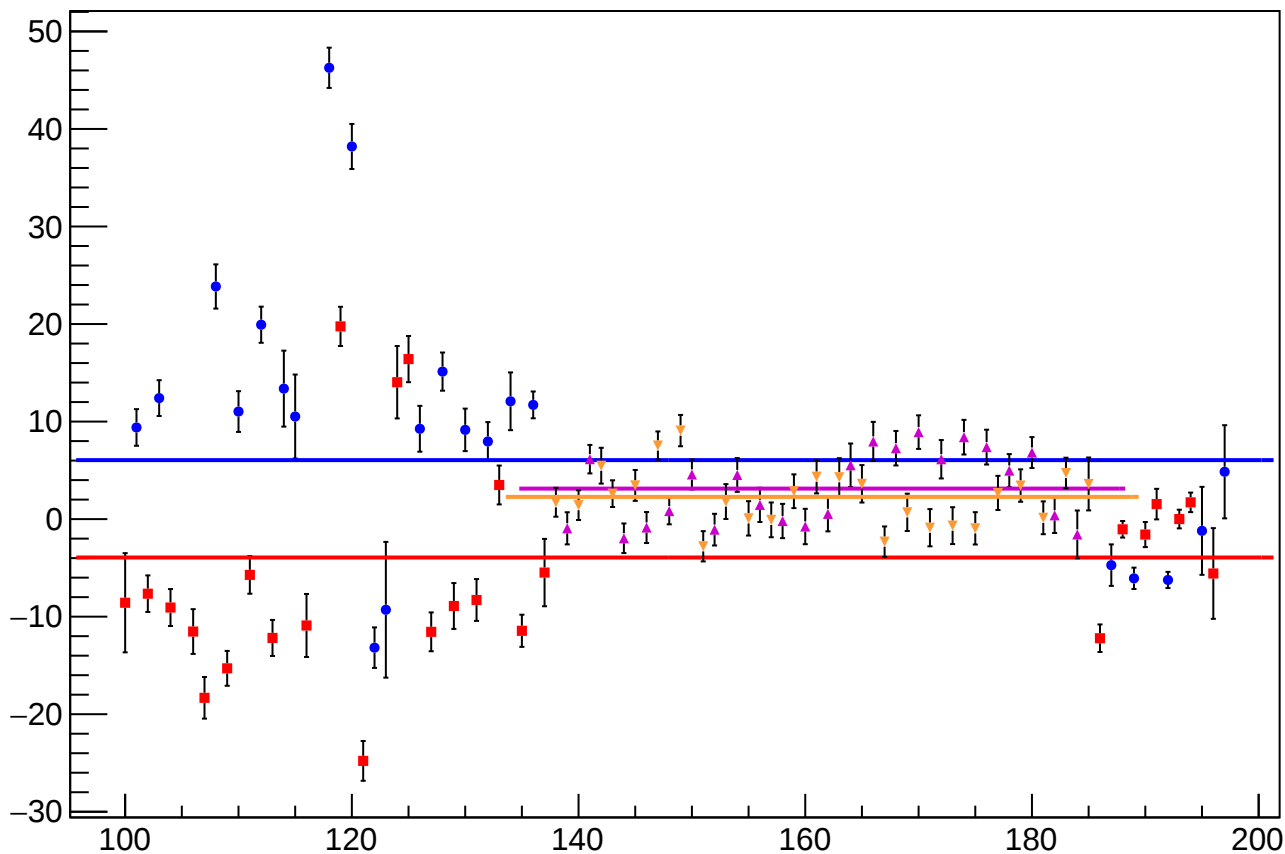
Left In: 1666.819+/-0.287 χ^2/NDF : 650990.8/22

+ sign 1689.637+/-0.234 χ^2/NDF : 3264315.6/46

All: 1687.469+/-0.165 χ^2/NDF : 6514959.2/95

- sign 1685.350+/-0.232 χ^2/NDF : 3250474.2/48

diff_bpm0i07Y_mean vs Slug



Right In: 6.048 ± 0.400 χ^2/NDF : 1224.6/21

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

Right Out: -3.935 ± 0.331 χ^2/NDF : 643.6/25

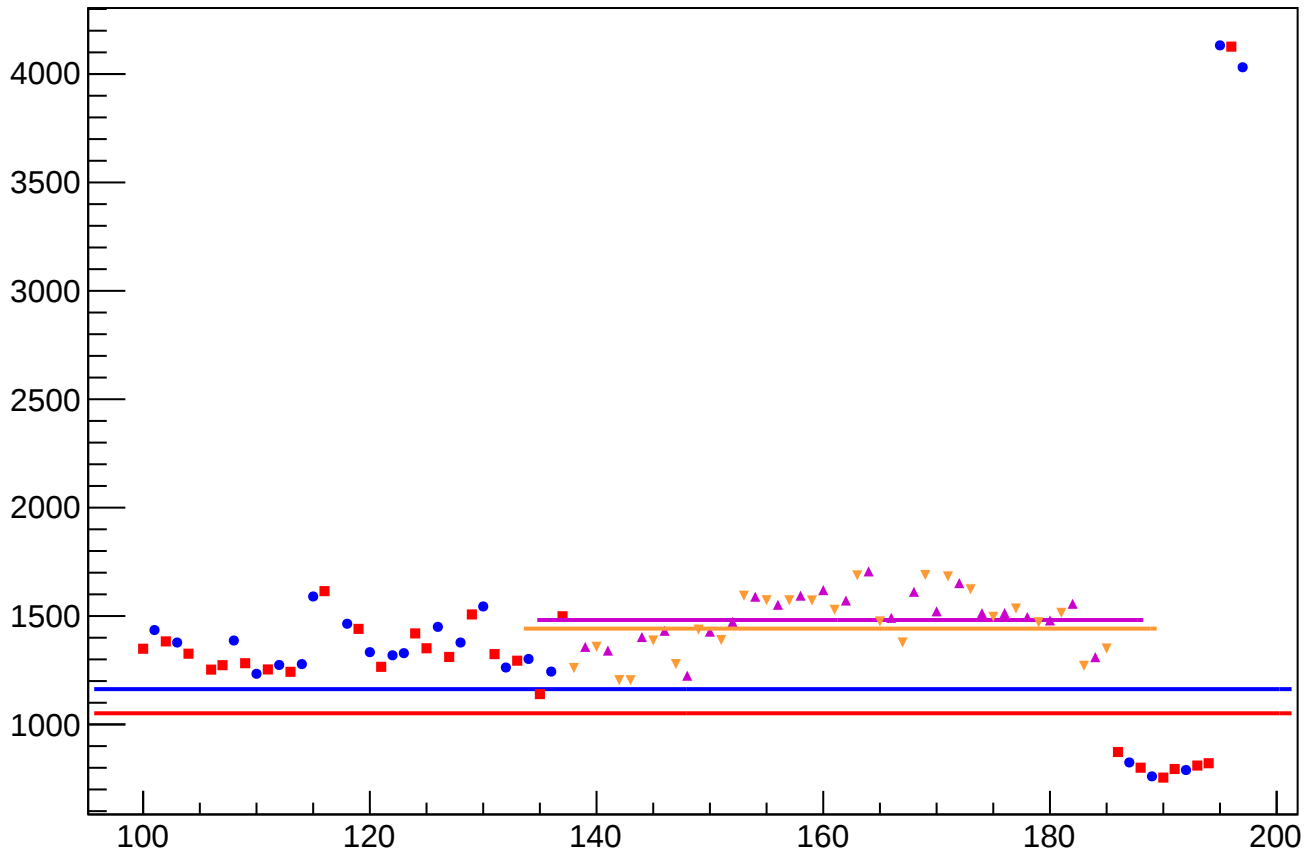
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.849 ± 0.258 χ^2/NDF : 1351.9/46

All: 1.449 ± 0.177 χ^2/NDF : 2471.5/95

- sign -0.674 ± 0.243 χ^2/NDF : 957.0/48

diff_bpm0i07Y_rms vs Slug



Right In: 1162.856 $\pm$ 0.283 χ^2 /NDF: 2630601.8/21

Left Out: 1441.951 $\pm$ 0.239 χ^2 /NDF: 370617.4/24

Right Out: 1051.382 $\pm$ 0.234 χ^2 /NDF: 2121219.6/25

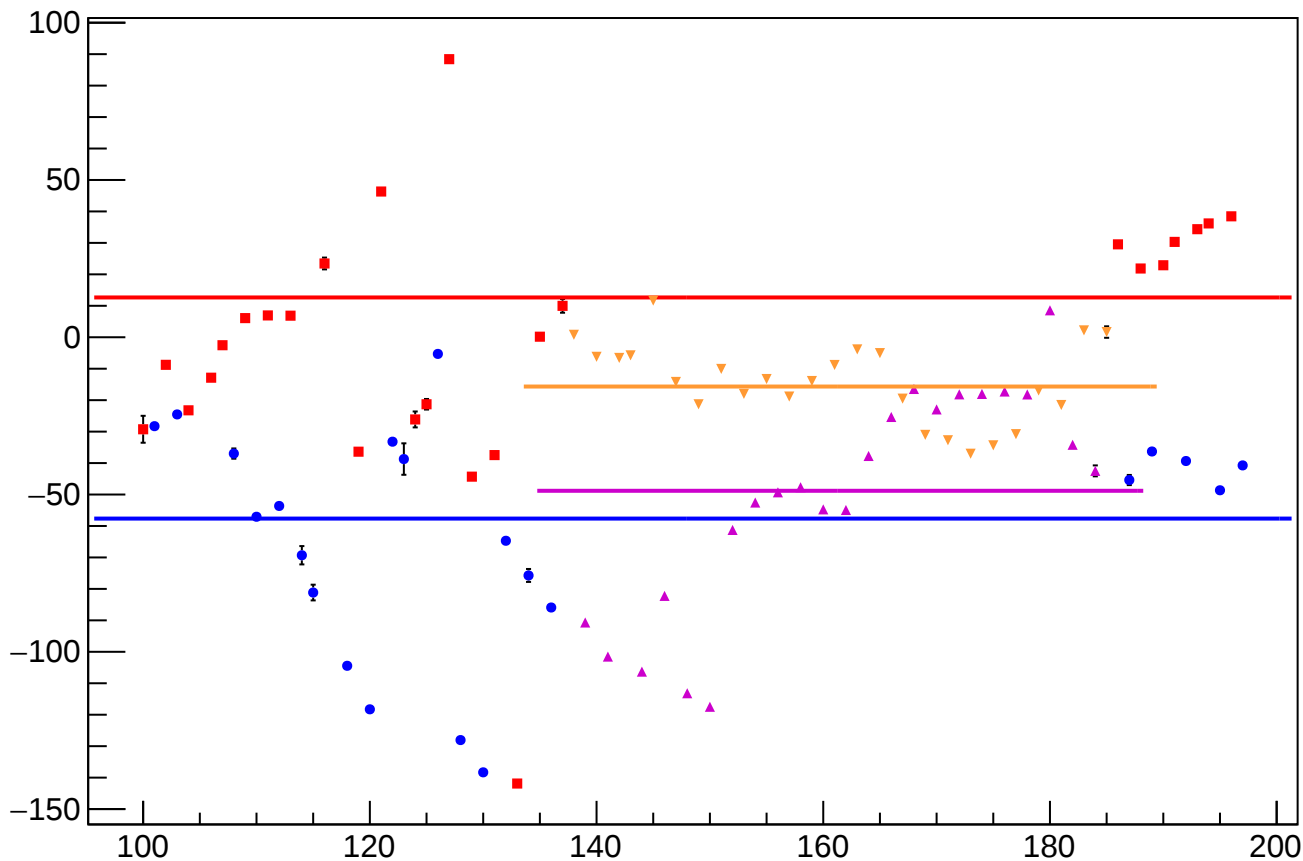
Left In: 1481.695 $\pm$ 0.253 χ^2 /NDF: 208470.6/22

+ sign 1325.726 $\pm$ 0.183 χ^2 /NDF: 3568270.1/46

All: 1285.564 $\pm$ 0.125 χ^2 /NDF: 7547722.1/95

- sign 1250.044 $\pm$ 0.172 χ^2 /NDF: 3888400.7/48

diff_bpm1i02X_mean vs Slug



Right In: -57.646 ± 0.259 χ^2/NDF : 15245.8/21

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

Right Out: 12.652 ± 0.235 χ^2/NDF : 26307.2/25

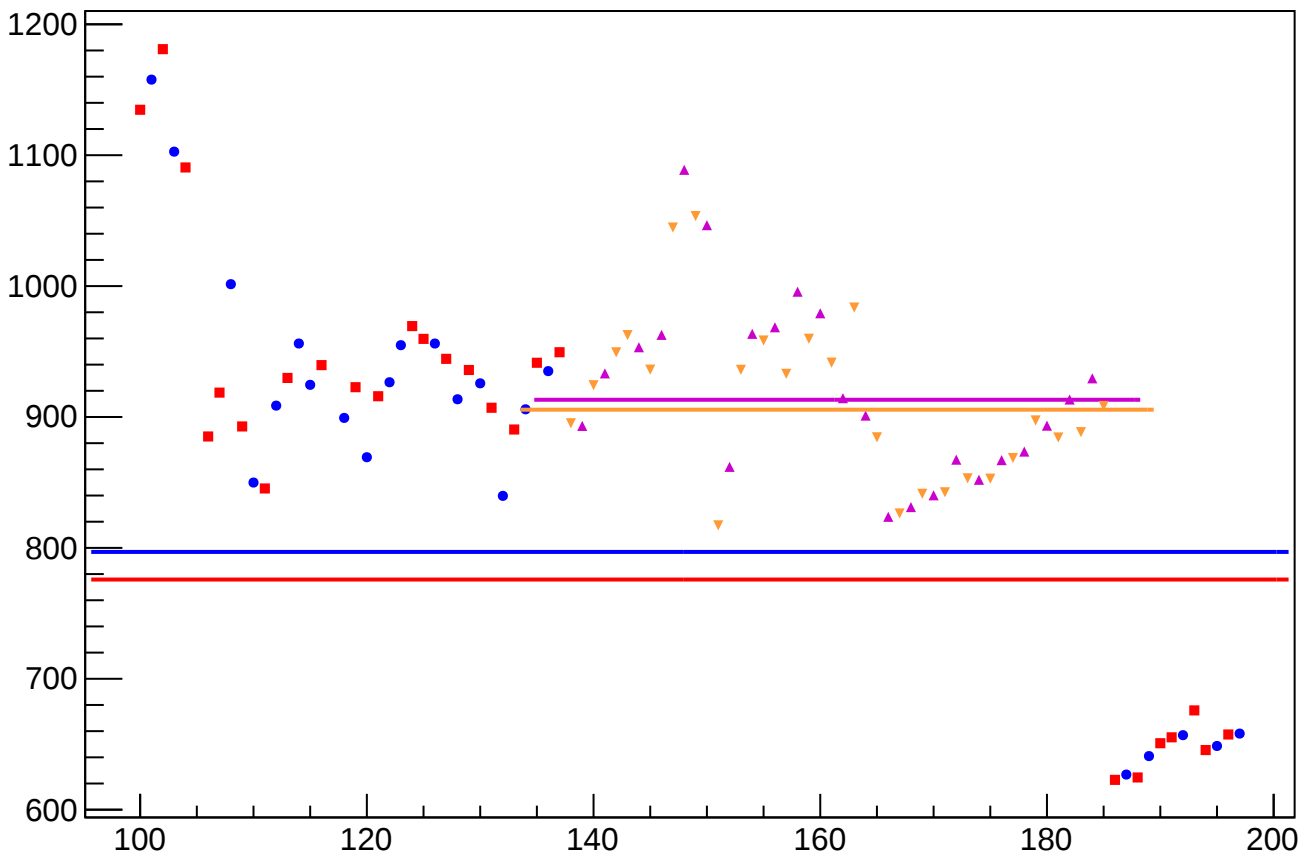
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -32.450 ± 0.164 χ^2/NDF : 34513.5/46

All: -26.129 ± 0.115 χ^2/NDF : 125539.0/95

- sign -20.070 ± 0.160 χ^2/NDF : 88110.8/48

diff_bpm1i02X_rms vs Slug



Right In: 796.920 $\pm$ 0.183 χ^2 /NDF: 711240.3/21

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

Right Out: 775.827 $\pm$ 0.166 χ^2 /NDF: 865405.7/25

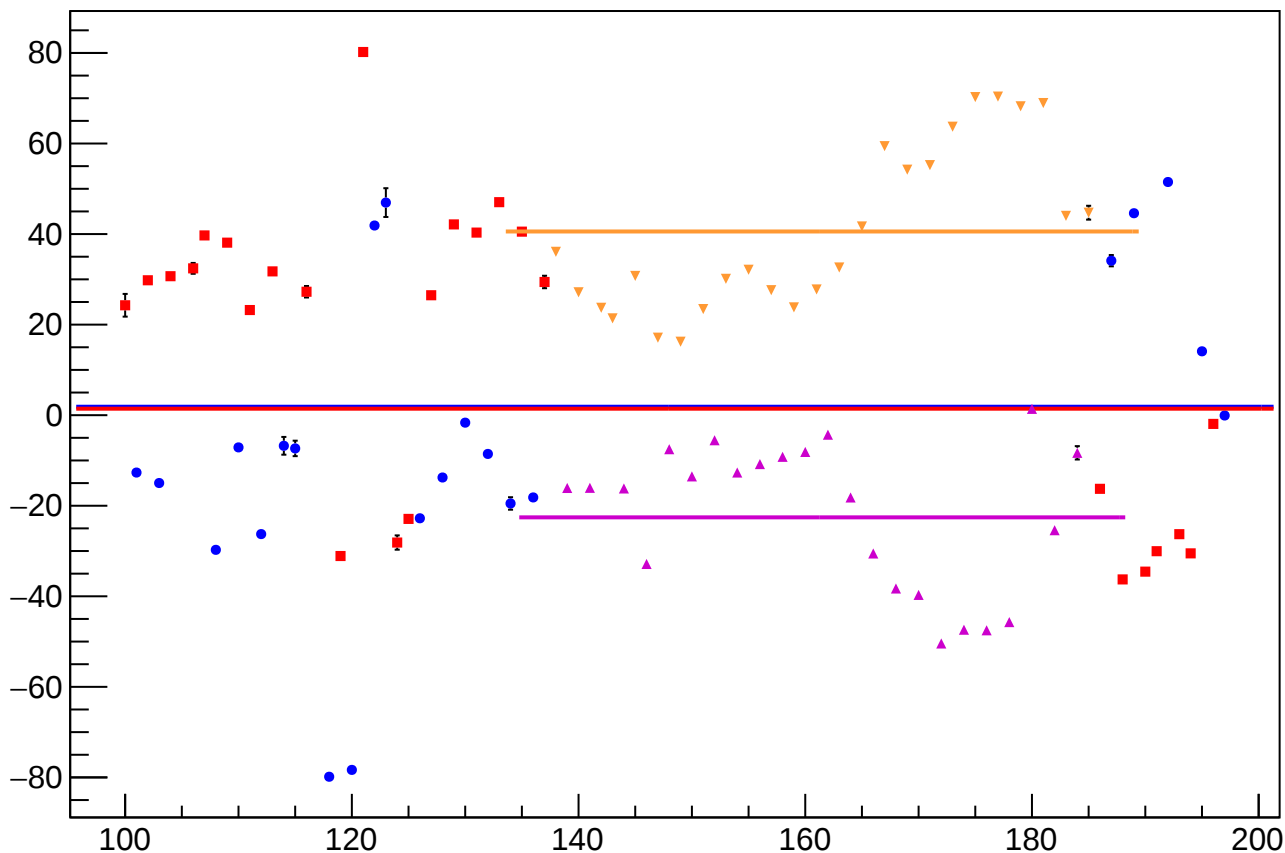
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF: 174438.8/22

+ sign 862.135 $\pm$ 0.116 χ^2 /NDF: 1084342.0/46

All: 855.398 $\pm$ 0.081 χ^2 /NDF: 2495698.5/95

- sign 848.942 $\pm$ 0.113 χ^2 /NDF: 1404736.8/48

diff_bpm1i02Y_mean vs Slug



Right In: 1.865 ± 0.182 χ^2/NDF : 35131.8/21

Left Out: 40.573 ± 0.168 χ^2/NDF : 12079.0/24

Right Out: 1.436 ± 0.166 χ^2/NDF : 40913.0/25

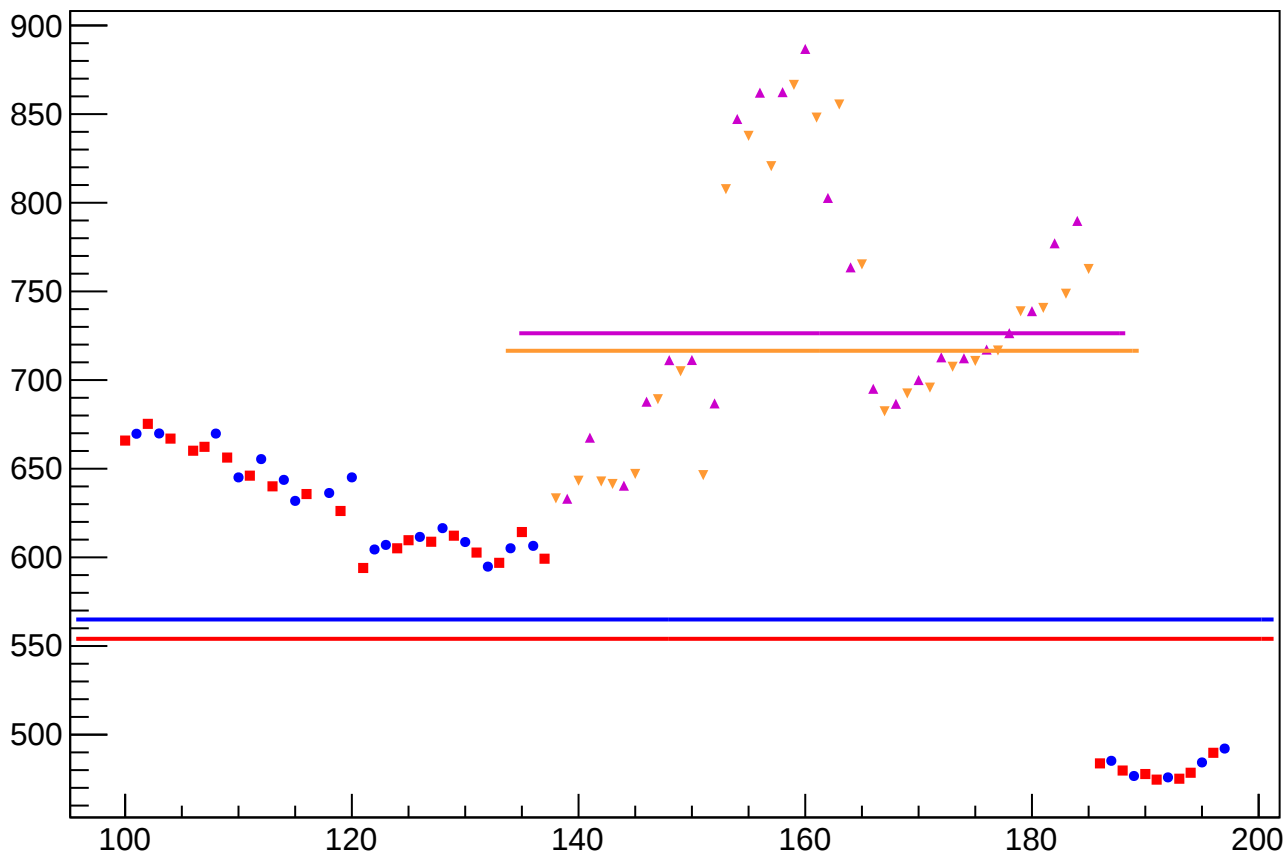
Left In: -22.565 ± 0.175 χ^2/NDF : 8167.7/22

+ sign 22.775 ± 0.123 χ^2/NDF : 71665.9/46

All: 6.049 ± 0.086 χ^2/NDF : 166554.8/95

- sign -9.902 ± 0.120 χ^2/NDF : 58973.4/48

diff_bpm1i02Y_rms vs Slug



Right In: 564.959 $\pm$ 0.129 χ^2 /NDF: 348297.8/21

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF: 342740.2/24

Right Out: 554.056 $\pm$ 0.117 χ^2 /NDF: 430131.2/25

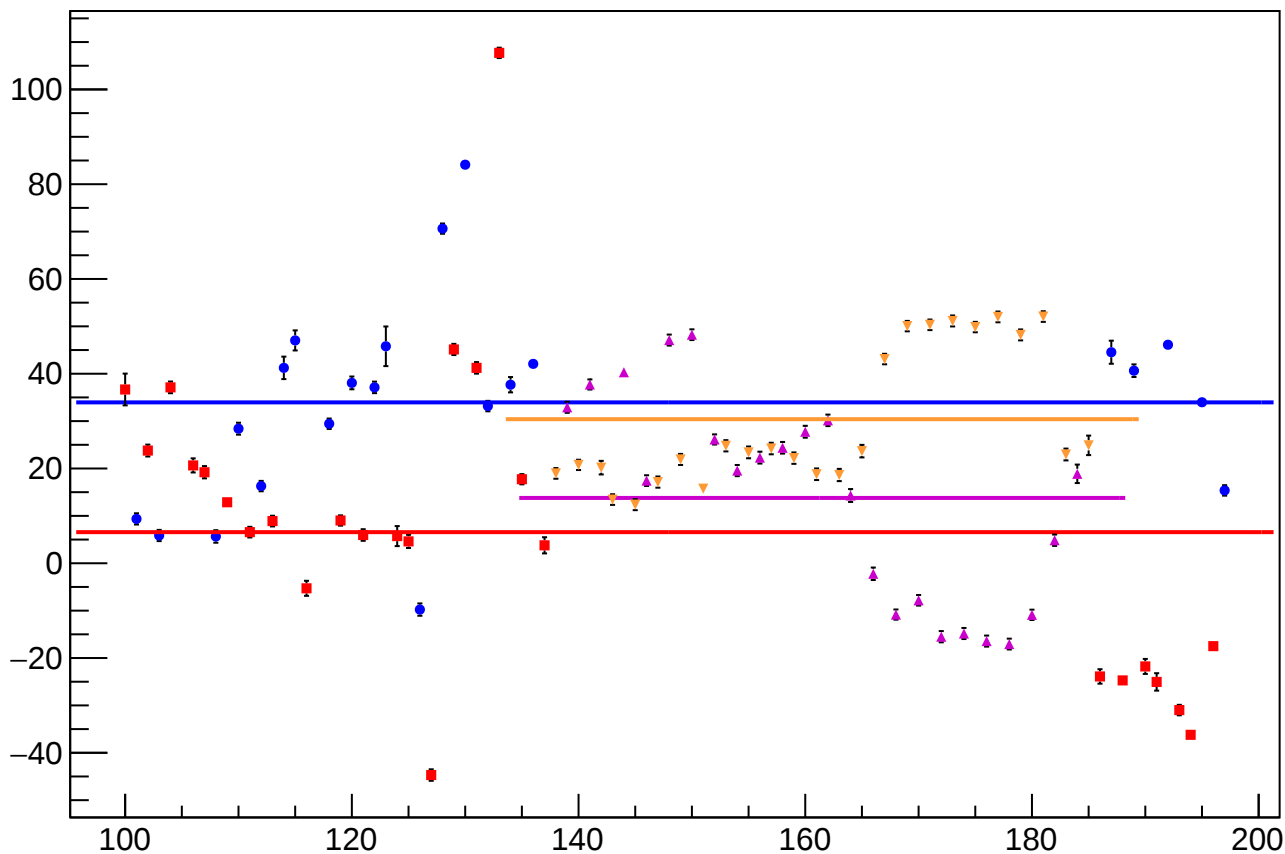
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 646.831 $\pm$ 0.087 χ^2 /NDF: 1440847.0/46

All: 641.010 $\pm$ 0.061 χ^2 /NDF: 3189554.8/95

- sign 635.459 $\pm$ 0.085 χ^2 /NDF: 1740008.4/48

diff_bpm1i04X_mean vs Slug



Right In: 33.953 $\pm$ 0.261 χ^2 /NDF: 6908.3/21

Left Out: 30.408 $\pm$ 0.237 χ^2 /NDF:3808.0/24

Right Out: 6.566 $\pm$ 0.246 χ^2 /NDF: 18969.4/25

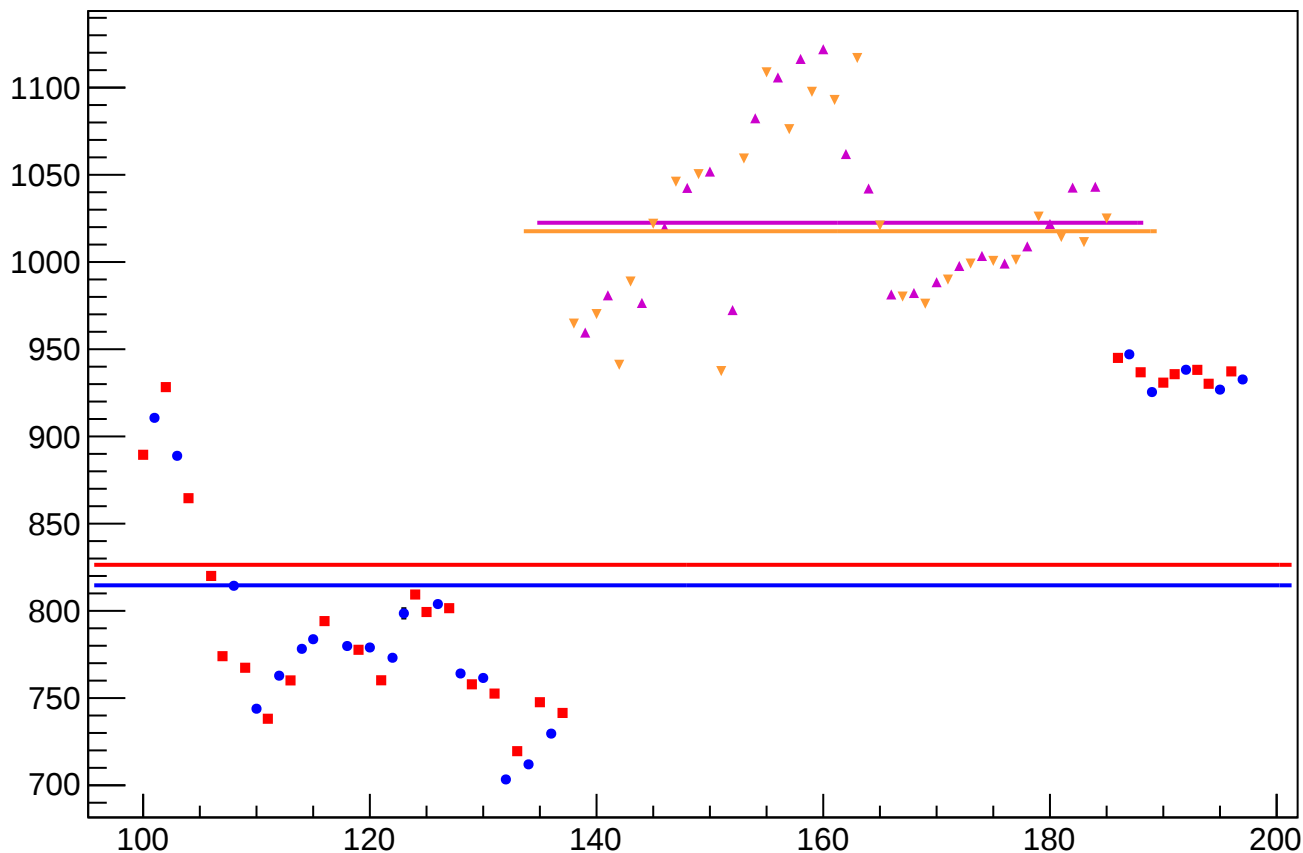
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF:7979.7/22

+ sign 32.010 $\pm$ 0.176 χ^2 /NDF: 10817.1/46

All: 20.987 $\pm$ 0.124 χ^2 /NDF: 45988.4/95

- sign 10.183 $\pm$ 0.174 χ^2 /NDF: 27379.8/48

diff_bpm1i04X_rms vs Slug



Right In: 814.641 $\pm$ 0.185 χ^2 /NDF: 197726.9/21

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF: 83612.5/24

Right Out: 826.399 $\pm$ 0.174 χ^2 /NDF: 222051.2/25

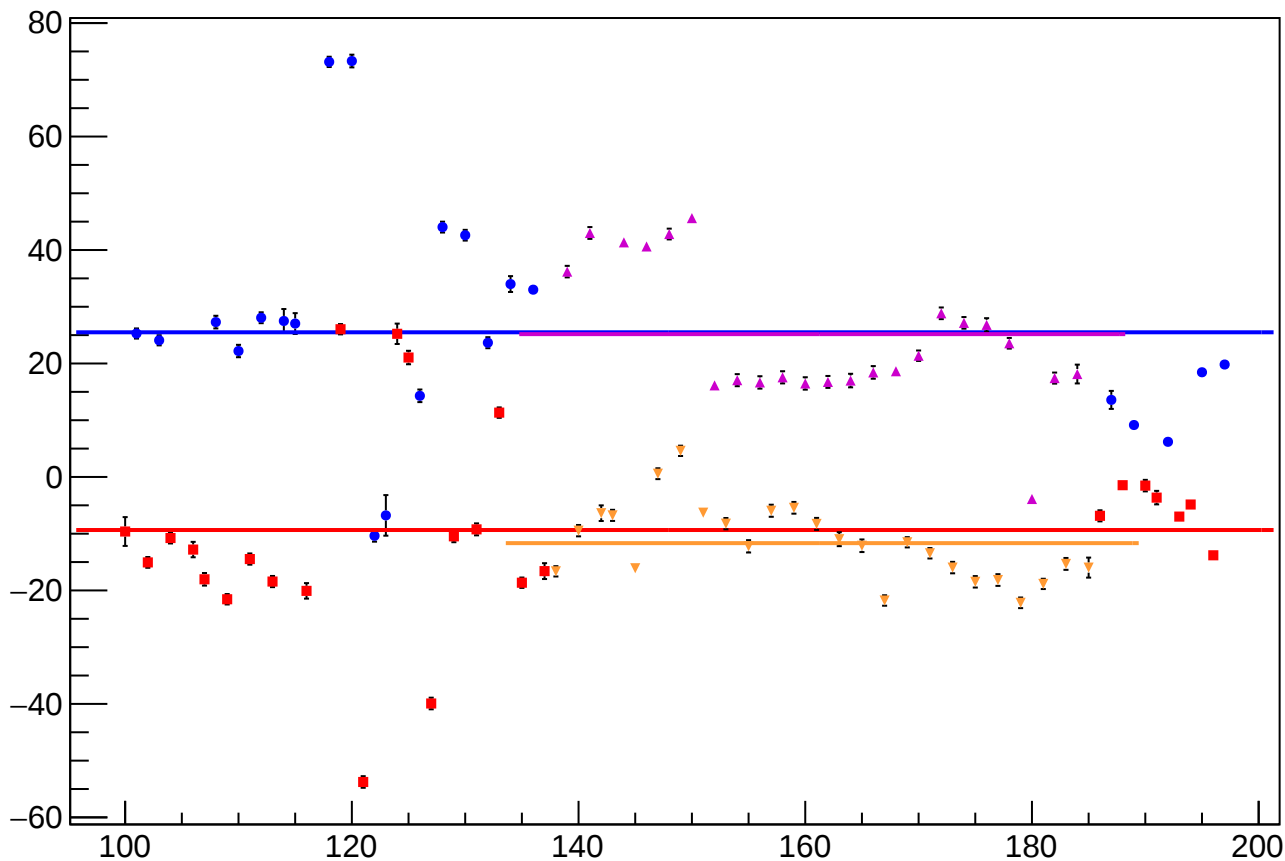
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF: 69635.5/22

+ sign 925.882 $\pm$ 0.124 χ^2 /NDF: 942492.9/46

All: 925.250 $\pm$ 0.087 χ^2 /NDF: 1869516.9/95

- sign 924.630 $\pm$ 0.123 χ^2 /NDF: 926972.8/48

diff_bpm1i04Y_mean vs Slug



Right In: 25.498 $\pm$ 0.201 χ^2 /NDF: 8477.2/21

Left Out: -11.664 $\pm$ 0.200 χ^2 /NDF:1147.4/24

Right Out: -9.351 $\pm$ 0.189 χ^2 /NDF: 6747.6/25

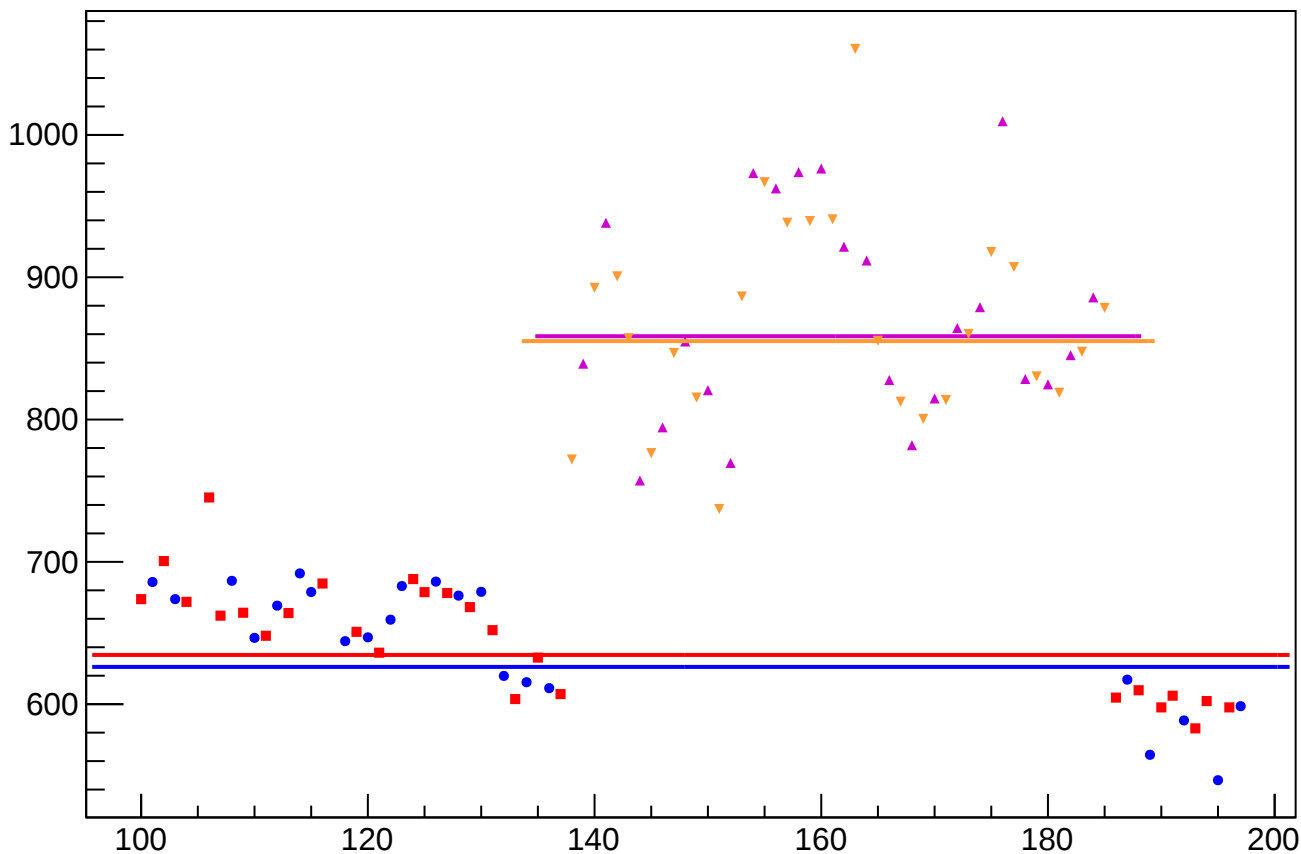
Left In: 25.174 $\pm$ 0.207 χ^2 /NDF:3747.1/22

+ sign 6.869 $\pm$ 0.142 χ^2 /NDF: 26793.9/46

All: 6.570 $\pm$ 0.099 χ^2 /NDF: 52465.2/95

- sign 6.281 $\pm$ 0.140 χ^2 /NDF: 25662.6/48

diff_bpm1i04Y_rms vs Slug



Right In: 626.196 ± 0.142 $\chi^2/\text{NDF}: 108060.1/21$

Left Out: 855.131 ± 0.142 $\chi^2/\text{NDF}: 233746.7/24$

Right Out: 634.608 ± 0.133 $\chi^2/\text{NDF}: 79824.1/25$

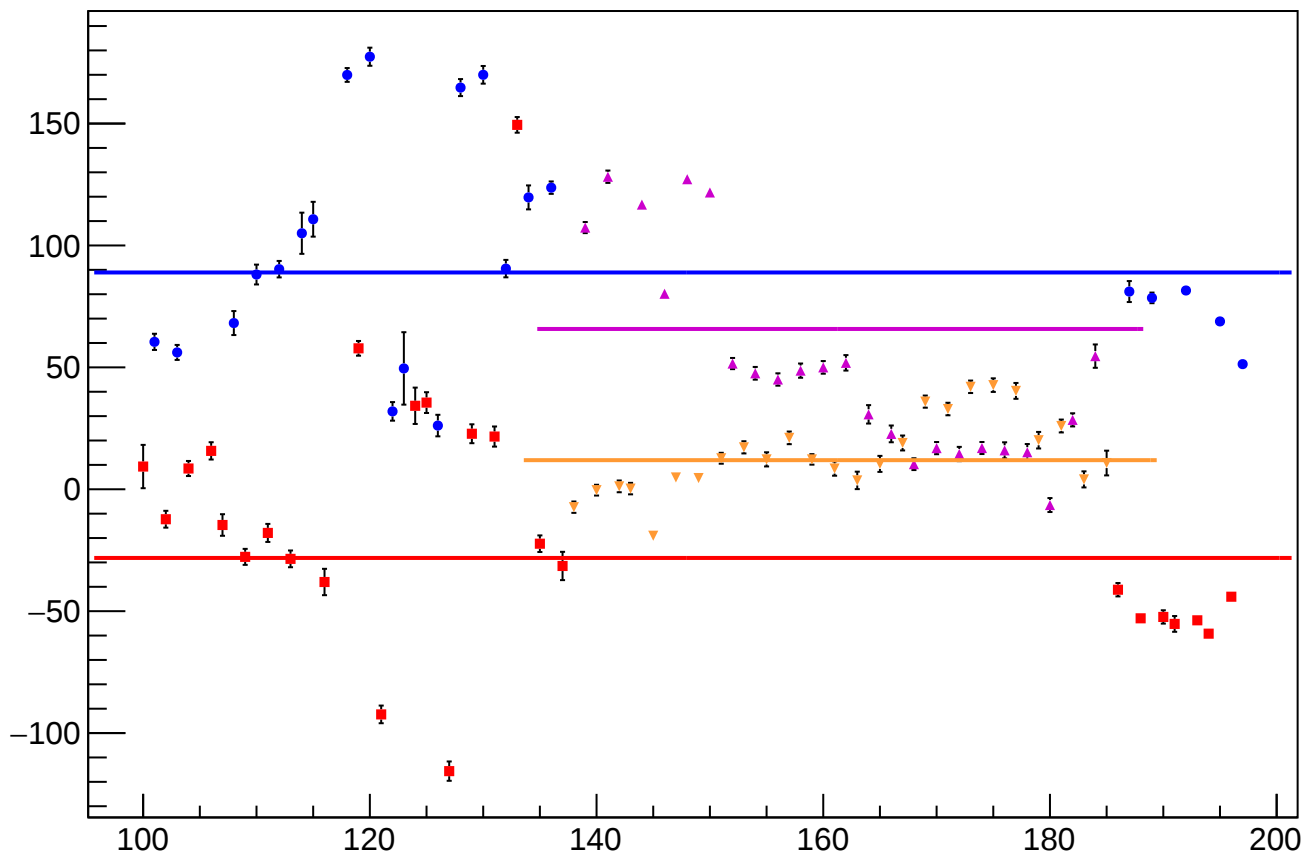
Left In: 858.563 ± 0.147 $\chi^2/\text{NDF}: 239019.8/22$

+ sign 740.960 ± 0.100 $\chi^2/\text{NDF}: 1645005.2/46$

All: 738.444 ± 0.070 $\chi^2/\text{NDF}: 3241568.0/95$

- sign 736.008 ± 0.099 $\chi^2/\text{NDF}: 1595323.7/48$

diff_bpm1i06X_mean vs Slug



Right In: 88.921 ± 0.643 χ^2/NDF : 3789.2/21

Left Out: 11.938 ± 0.505 χ^2/NDF : 976.6/24

Right Out: -28.168 ± 0.590 χ^2/NDF : 6577.7/25

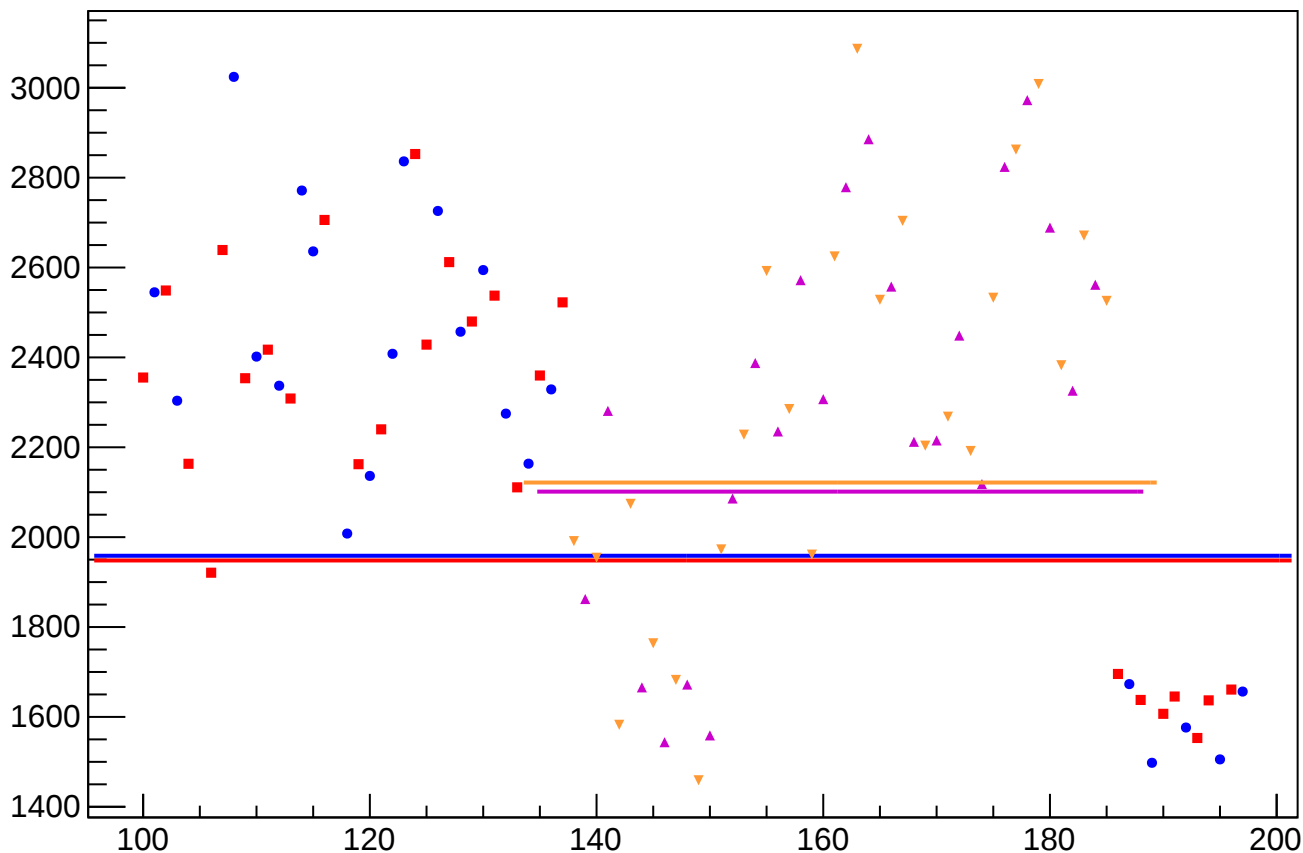
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 41.317 ± 0.397 χ^2/NDF : 13623.1/46

All: 32.952 ± 0.278 χ^2/NDF : 42712.2/95

- sign 24.927 ± 0.389 χ^2/NDF : 28220.8/48

diff_bpm1i06X_rms vs Slug



Right In: 1958.616 $\pm$ 0.455 χ^2 /NDF: 929259.8/21

Left Out: 2121.567 $\pm$ 0.357 χ^2 /NDF:1387847.6/24

Right Out: 1948.141 $\pm$ 0.417 χ^2 /NDF: 844002.9/25

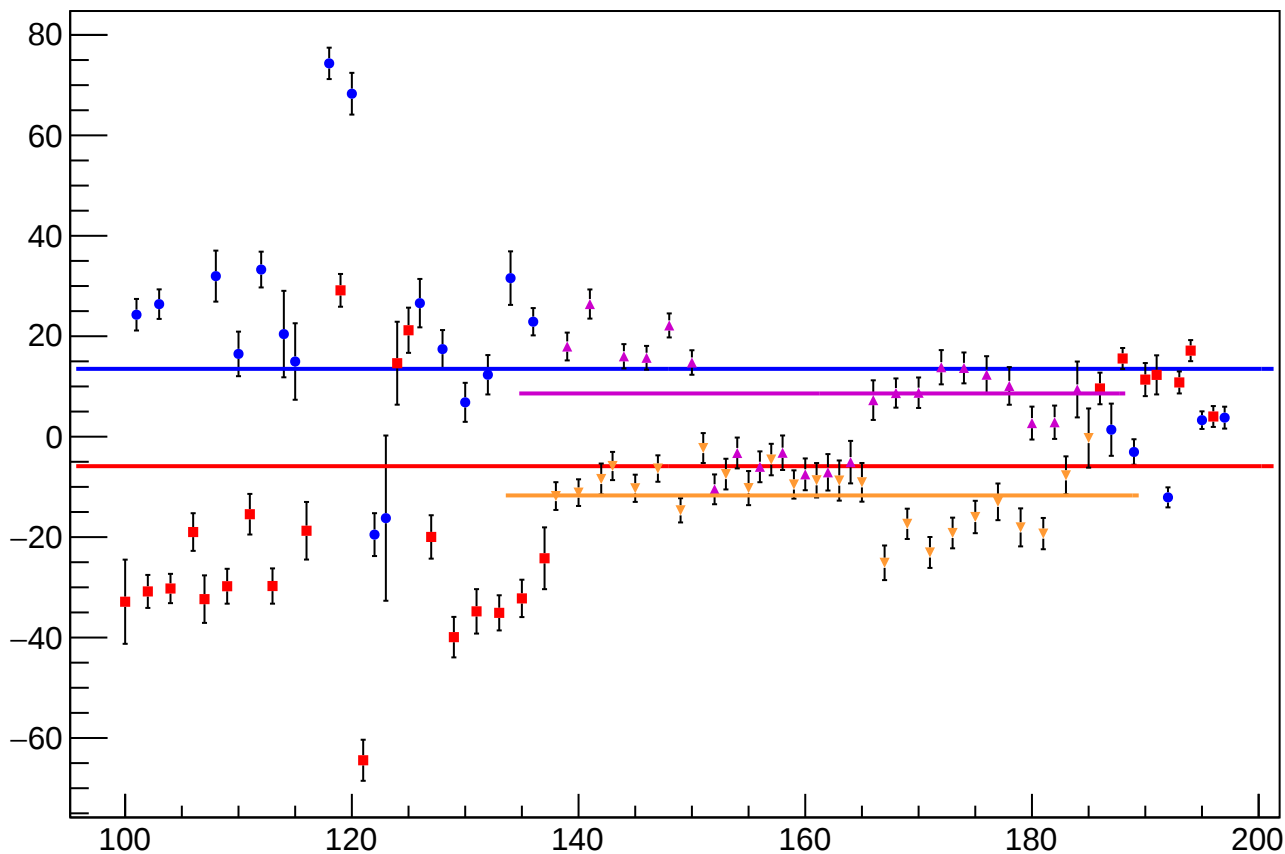
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 2059.380 $\pm$ 0.281 χ^2 /NDF: 2396478.1/46

All: 2046.805 $\pm$ 0.197 χ^2 /NDF: 4681044.8/95

- sign 2034.739 $\pm$ 0.275 χ^2 /NDF: 2280641.8/48

diff_bpm1i06Y_mean vs Slug



Right In: 13.505 ± 0.702 χ^2/NDF : 993.0/21

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -5.875 ± 0.657 χ^2/NDF : 1280.5/25

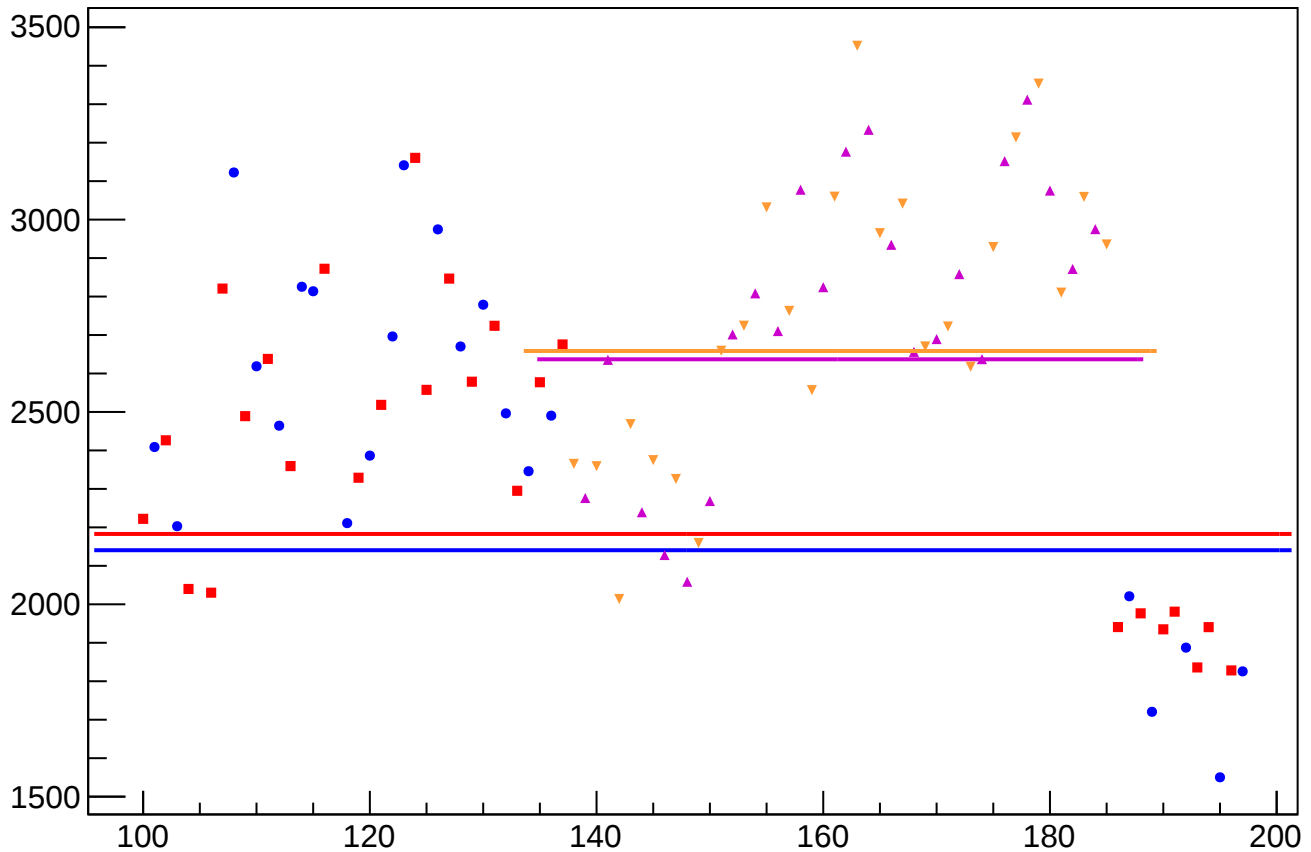
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.549 ± 0.467 χ^2/NDF : 1796.5/46

All: 0.512 ± 0.327 χ^2/NDF : 3599.8/95

- sign 1.538 ± 0.459 χ^2/NDF : 1793.1/48

diff_bpm1i06Y_rms vs Slug



Right In: 2140.578 $\pm$ 0.497 χ^2 /NDF: 769483.4/21

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2182.904 $\pm$ 0.465 χ^2 /NDF: 506418.2/25

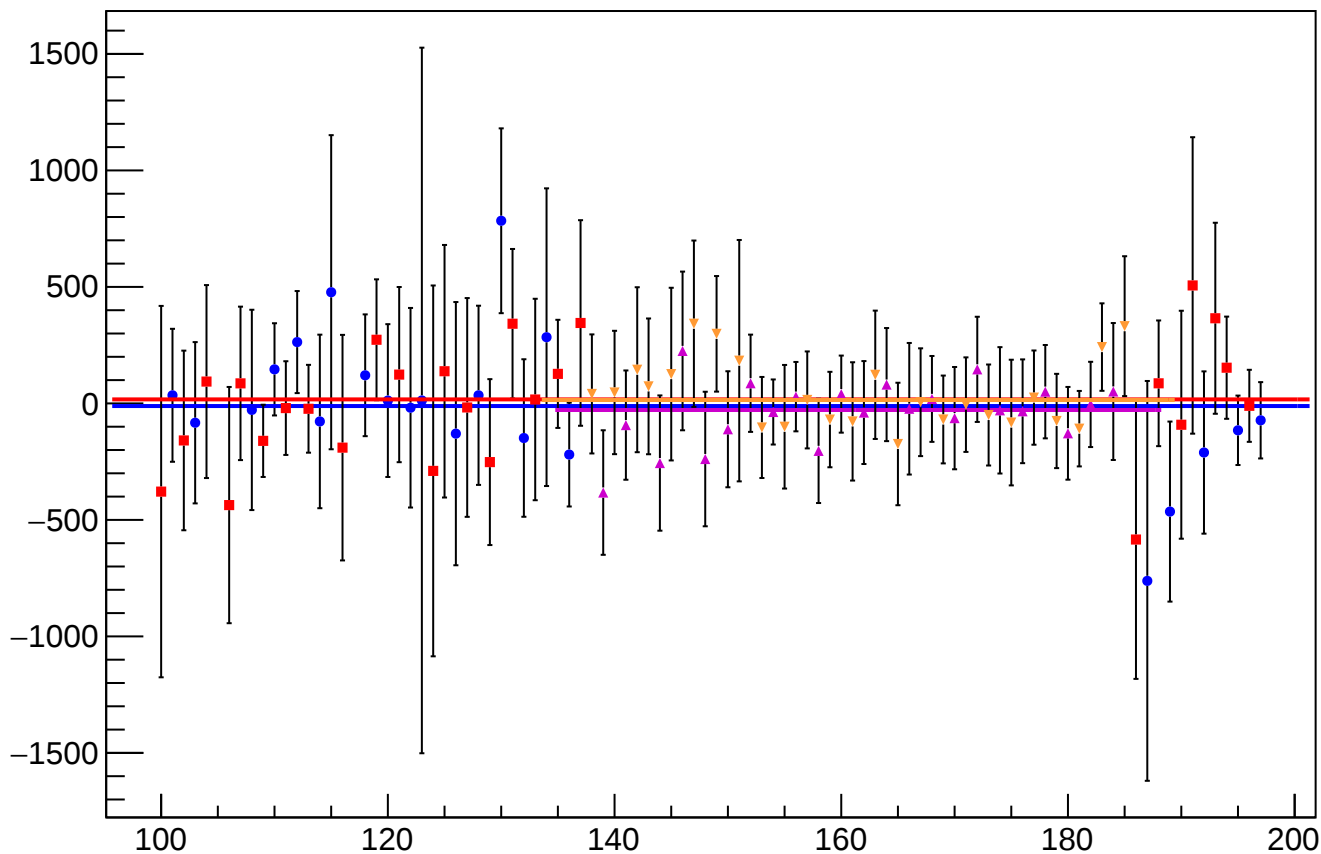
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2429.365 $\pm$ 0.330 χ^2 /NDF: 1994313.6/46

All: 2422.207 $\pm$ 0.232 χ^2 /NDF: 3642828.3/95

- sign 2415.285 $\pm$ 0.325 χ^2 /NDF: 1647590.5/48

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -11.304 ± 62.272 χ^2/NDF : 11.5/21

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 17.245 ± 58.133 χ^2/NDF : 9.4/25

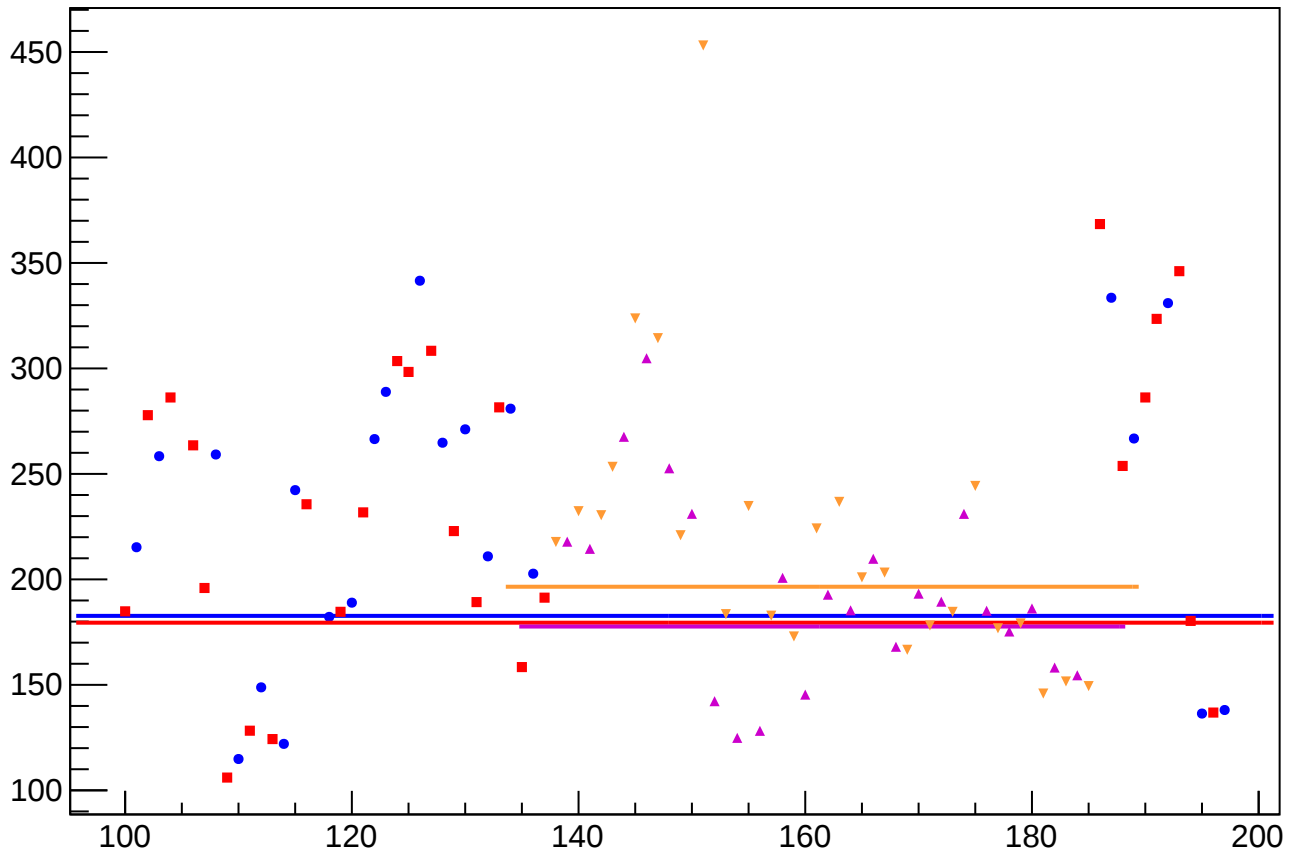
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign 5.014 ± 37.781 χ^2/NDF : 19.4/46

All: -3.732 ± 25.834 χ^2/NDF : 35.6/95

- sign -11.413 ± 35.405 χ^2/NDF : 16.1/48

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.704 $\pm$ 0.044 χ^2 /NDF: 1910598.5/21

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF: 1789504.4/24

Right Out: 179.471 $\pm$ 0.041 χ^2 /NDF: 2627363.9/25

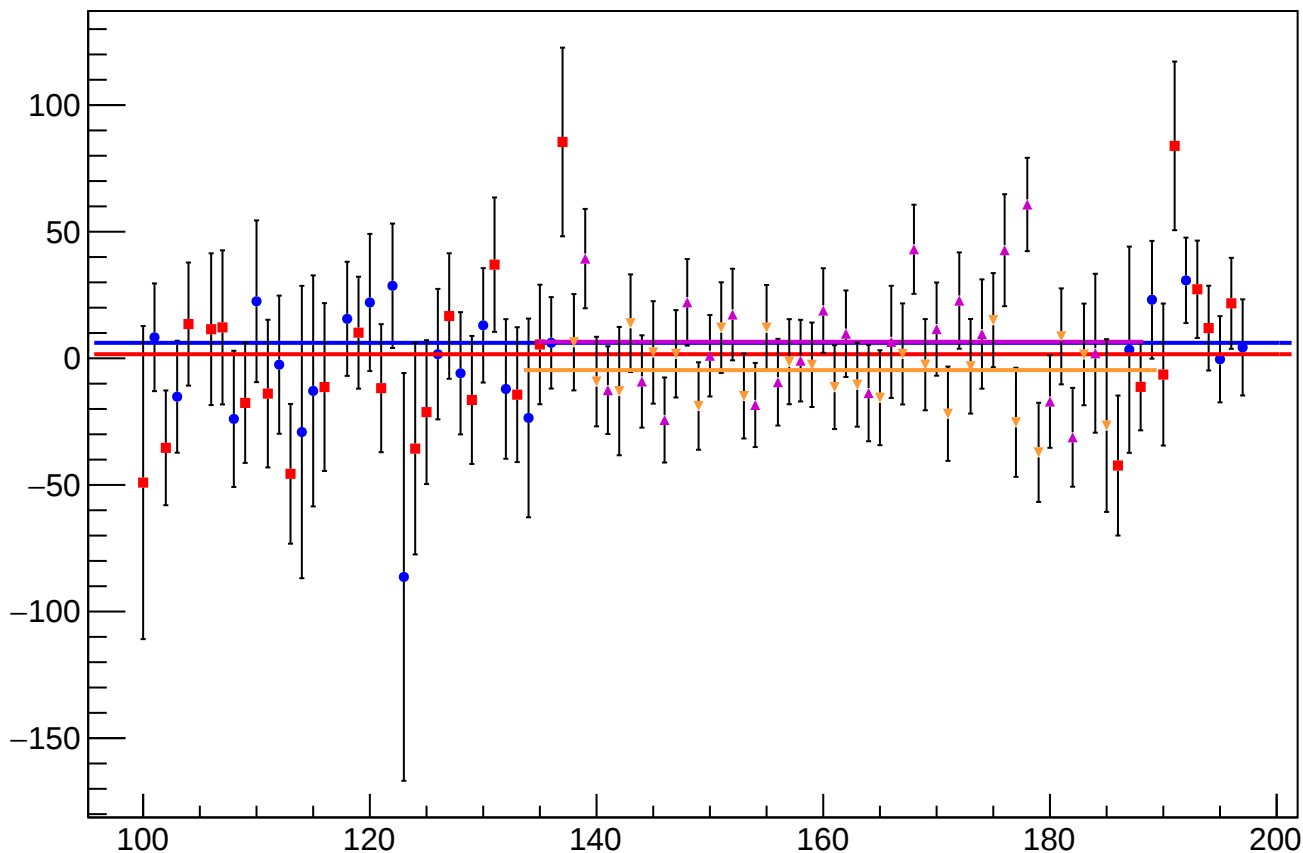
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 191.431 $\pm$ 0.027 χ^2 /NDF: 3762260.2/46

All: 184.451 $\pm$ 0.018 χ^2 /NDF: 8149736.0/95

- sign 178.321 $\pm$ 0.025 χ^2 /NDF: 4259272.7/48

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 6.115 ± 5.249 $\chi^2/\text{NDF}: 10.0/21$

Left Out: -4.646 ± 3.728 $\chi^2/\text{NDF}: 12.1/24$

Right Out: 1.623 ± 4.909 $\chi^2/\text{NDF}: 30.5/25$

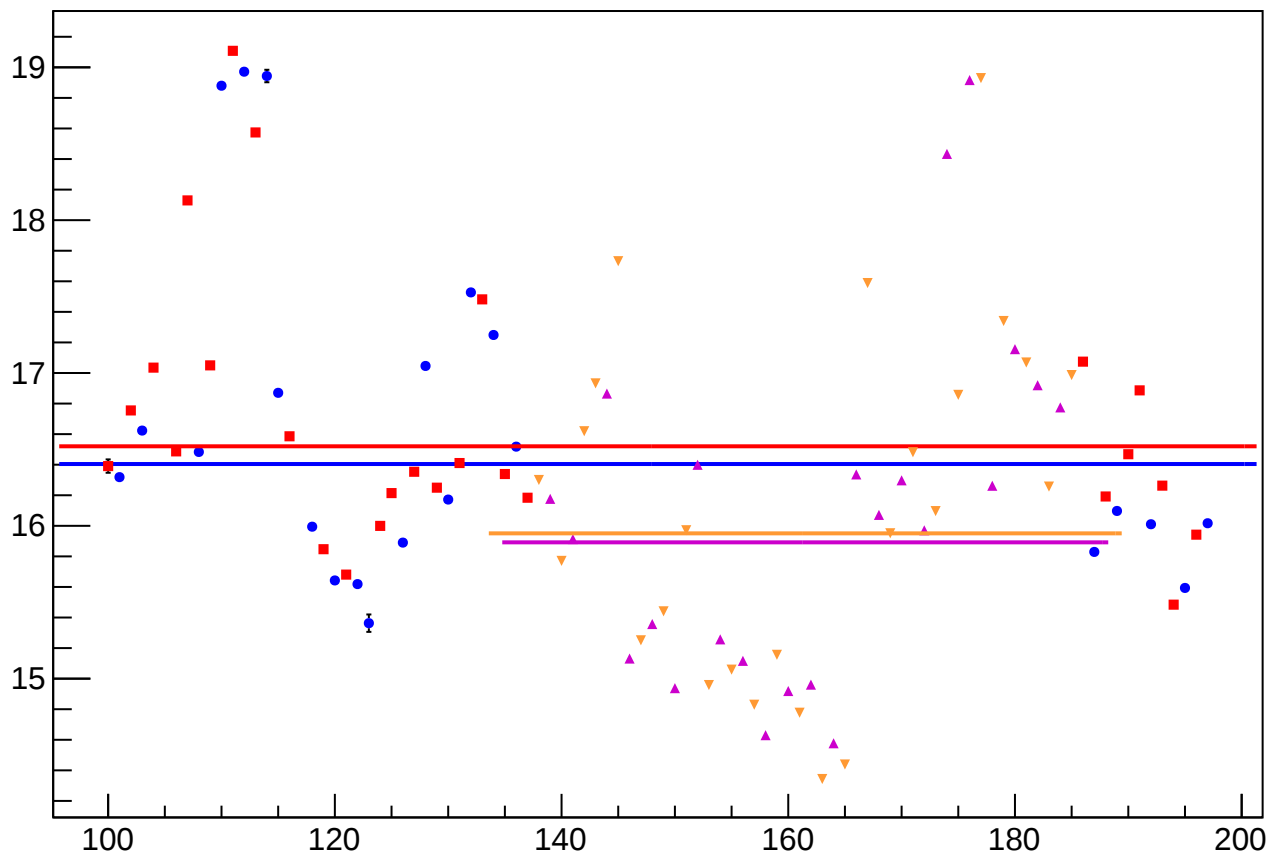
Left In: 6.526 ± 3.828 $\chi^2/\text{NDF}: 36.4/22$

+ sign -1.038 ± 3.039 $\chi^2/\text{NDF}: 24.8/46$

All: 1.837 ± 2.142 $\chi^2/\text{NDF}: 94.1/95$

- sign 4.672 ± 3.018 $\chi^2/\text{NDF}: 67.5/48$

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.404 $\pm$ 0.004 χ^2 /NDF: 52632.8/21

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF: 173458.5/24

Right Out: 16.520 $\pm$ 0.003 χ^2 /NDF: 54289.6/25

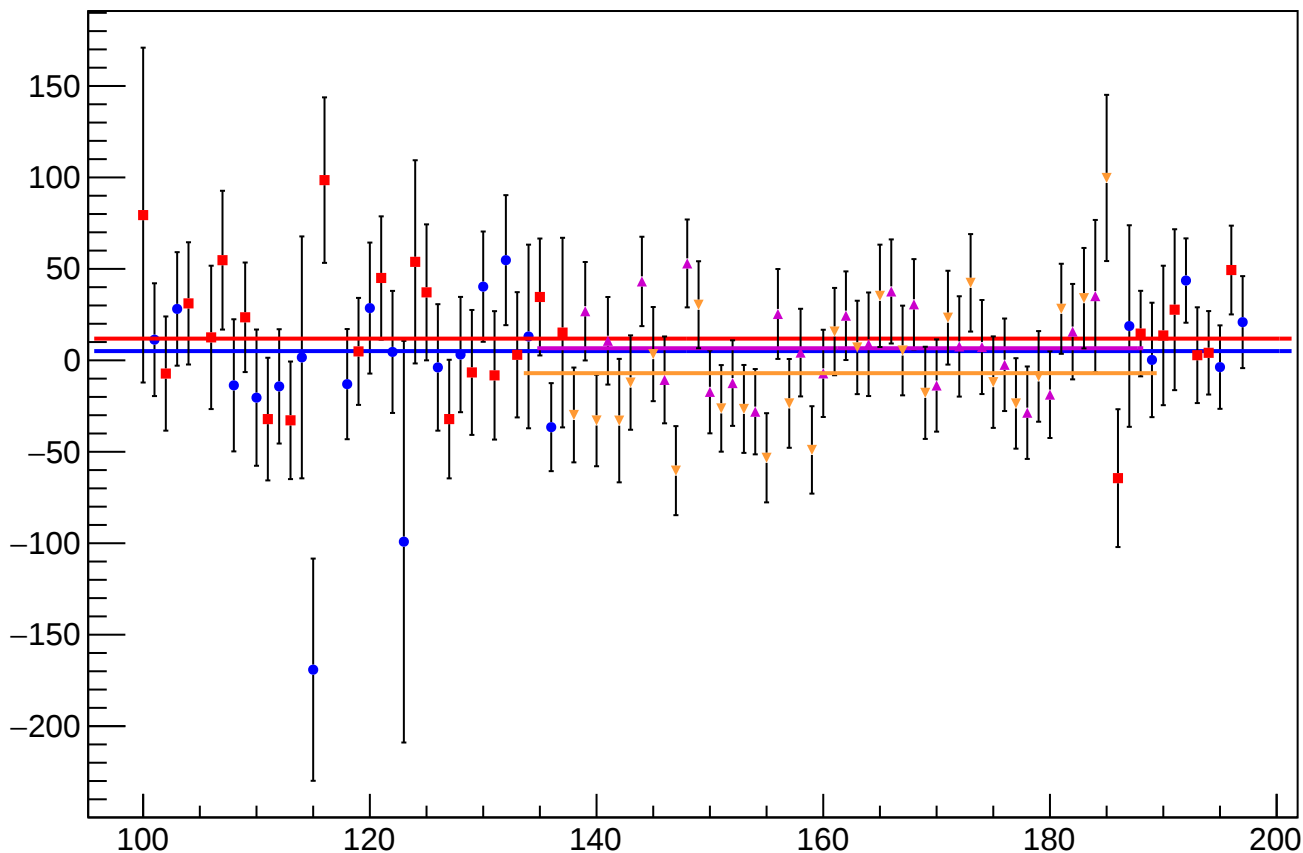
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.103 $\pm$ 0.002 χ^2 /NDF: 236022.0/46

All: 16.116 $\pm$ 0.002 χ^2 /NDF: 457869.4/95

- sign 16.129 $\pm$ 0.002 χ^2 /NDF: 221769.9/48

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.051 ± 6.975 χ^2/NDF : 21.5/21

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 11.878 ± 6.512 χ^2/NDF : 22.0/25

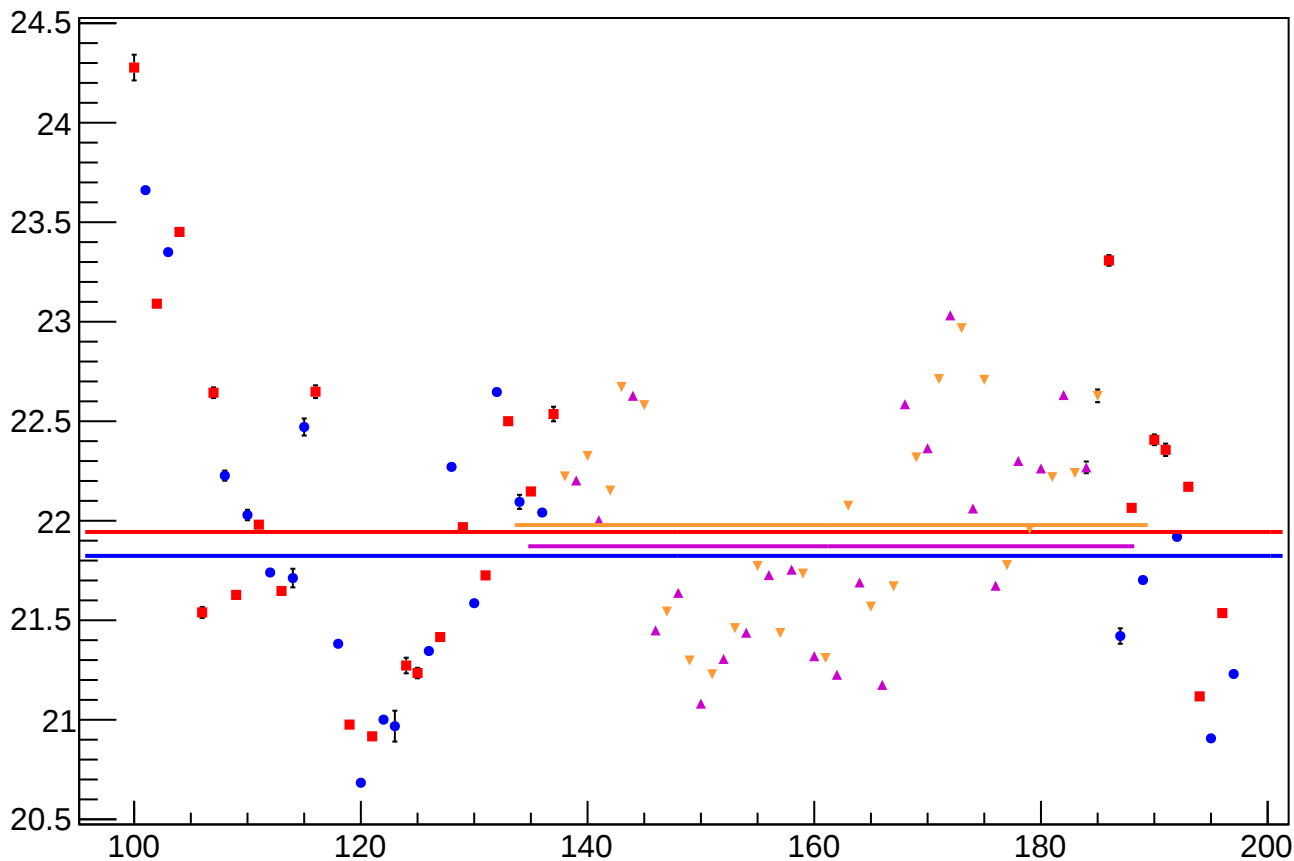
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -2.790 ± 4.128 χ^2/NDF : 60.8/46

All: 3.005 ± 2.905 χ^2/NDF : 106.2/95

- sign 8.687 ± 4.088 χ^2/NDF : 41.5/48

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.824 $\pm$ 0.005 χ^2 /NDF: 23010.5/21

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF:19430.2/24

Right Out: 21.944 $\pm$ 0.005 χ^2 /NDF: 22872.5/25

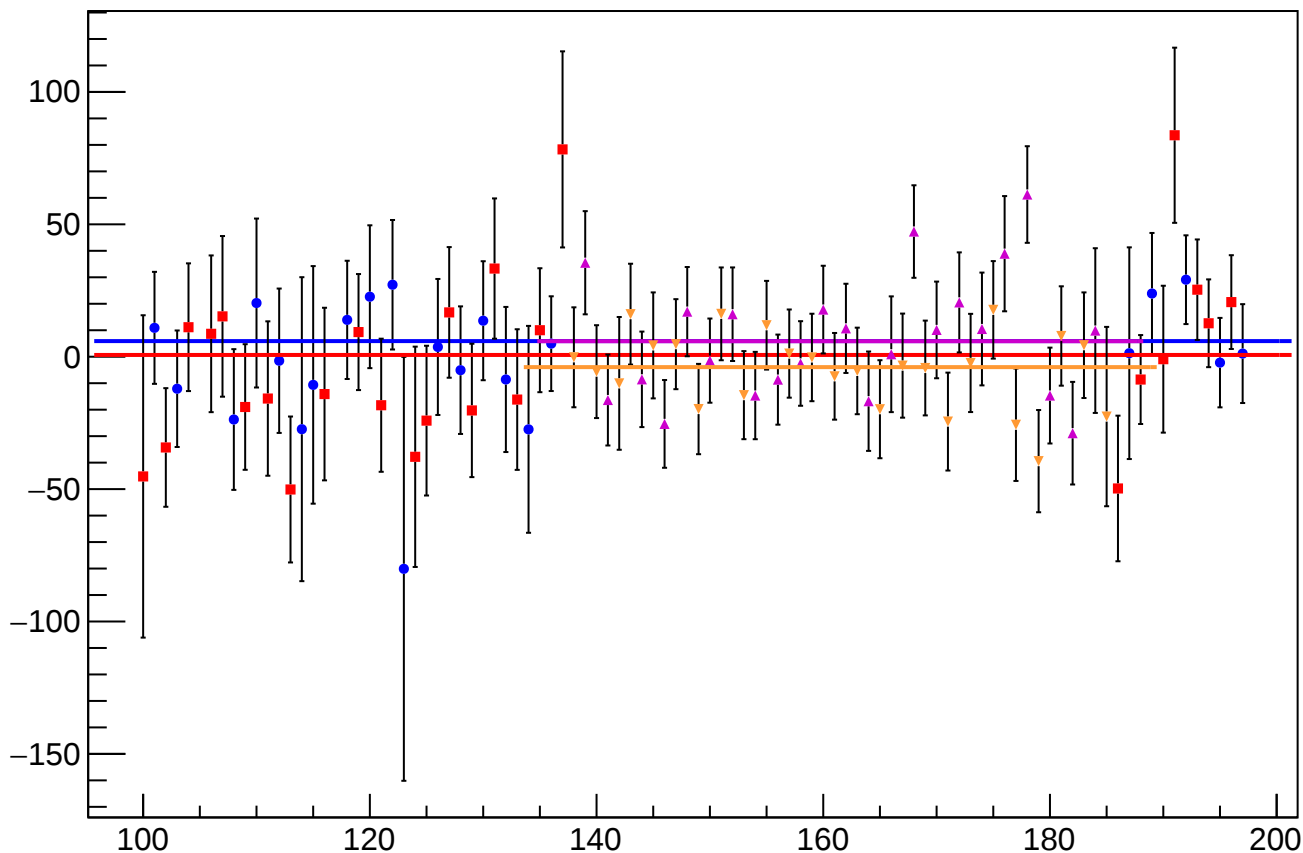
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.924 $\pm$ 0.003 χ^2 /NDF: 43080.6/46

All: 21.912 $\pm$ 0.002 χ^2 /NDF: 86660.4/95

- sign 21.900 $\pm$ 0.003 χ^2 /NDF: 43545.6/48

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.901 $\pm$ 5.209 χ^2/NDF : 9.3/21

Left Out: -3.927 $\pm$ 3.688 χ^2/NDF : 14.0/24

Right Out: 0.667 $\pm$ 4.867 χ^2/NDF : 31.5/25

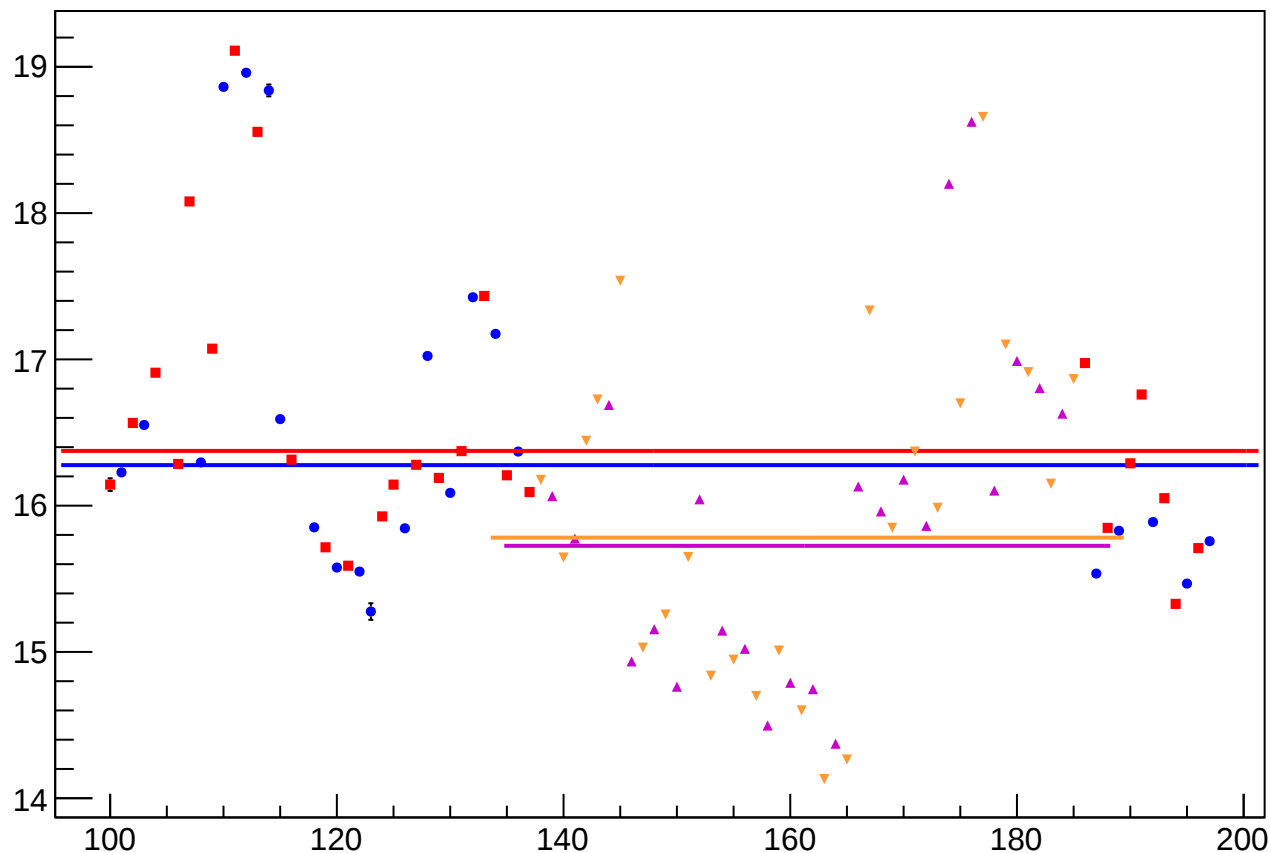
Left In: 5.861 $\pm$ 3.787 χ^2/NDF : 36.2/22

+ sign -0.646 $\pm$ 3.010 χ^2/NDF : 25.7/46

All: 1.644 $\pm$ 2.121 χ^2/NDF : 95.2/95

- sign 3.902 $\pm$ 2.989 χ^2/NDF : 68.4/48

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.277 $\pm$ 0.004 χ^2 /NDF: 56992.6/21

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF: 172894.3/24

Right Out: 16.374 $\pm$ 0.003 χ^2 /NDF: 61593.9/25

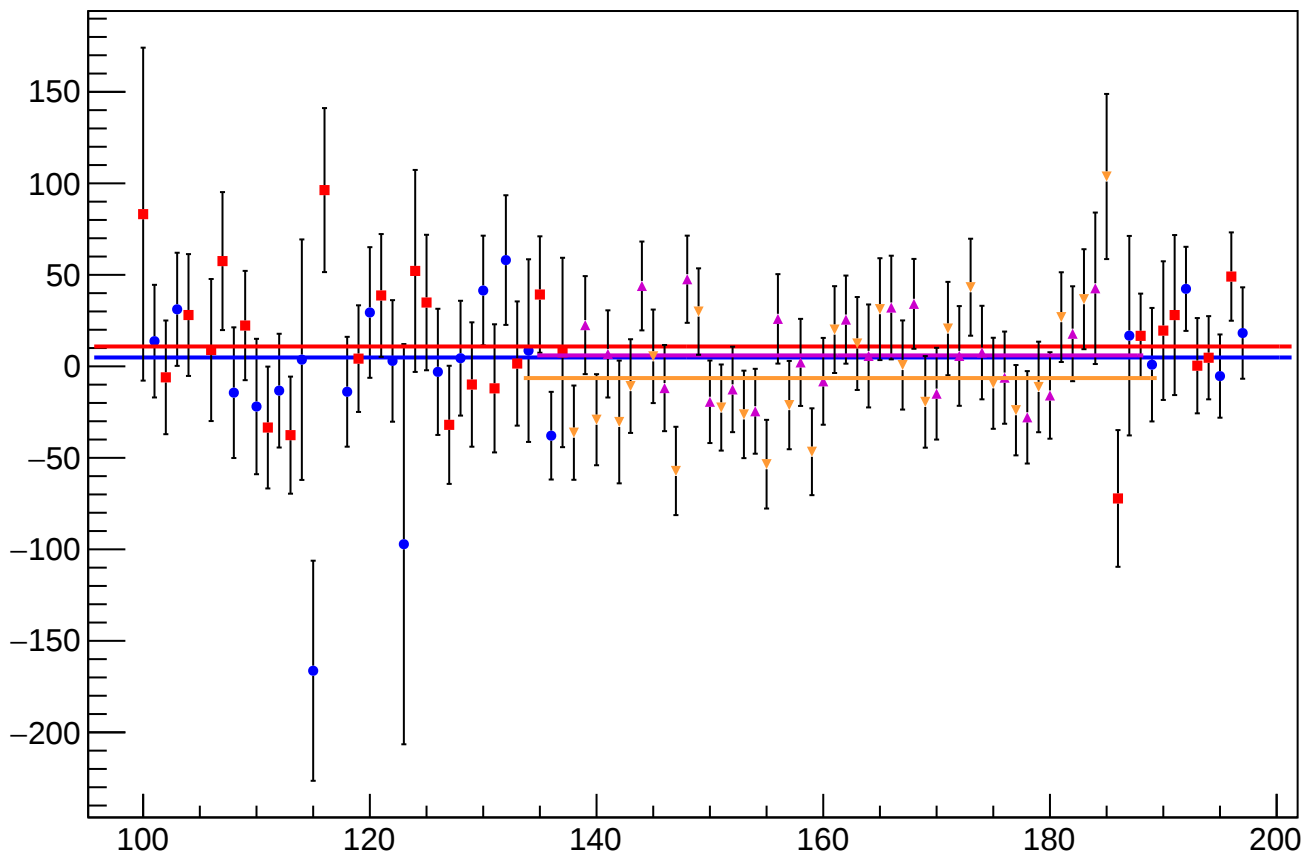
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

+ sign 15.947 $\pm$ 0.002 χ^2 /NDF: 241955.7/46

All: 15.959 $\pm$ 0.001 χ^2 /NDF: 471582.8/95

- sign 15.970 $\pm$ 0.002 χ^2 /NDF: 229567.0/48

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.851 ± 6.940 χ^2/NDF : 22.0/21

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 10.857 ± 6.474 χ^2/NDF : 23.7/25

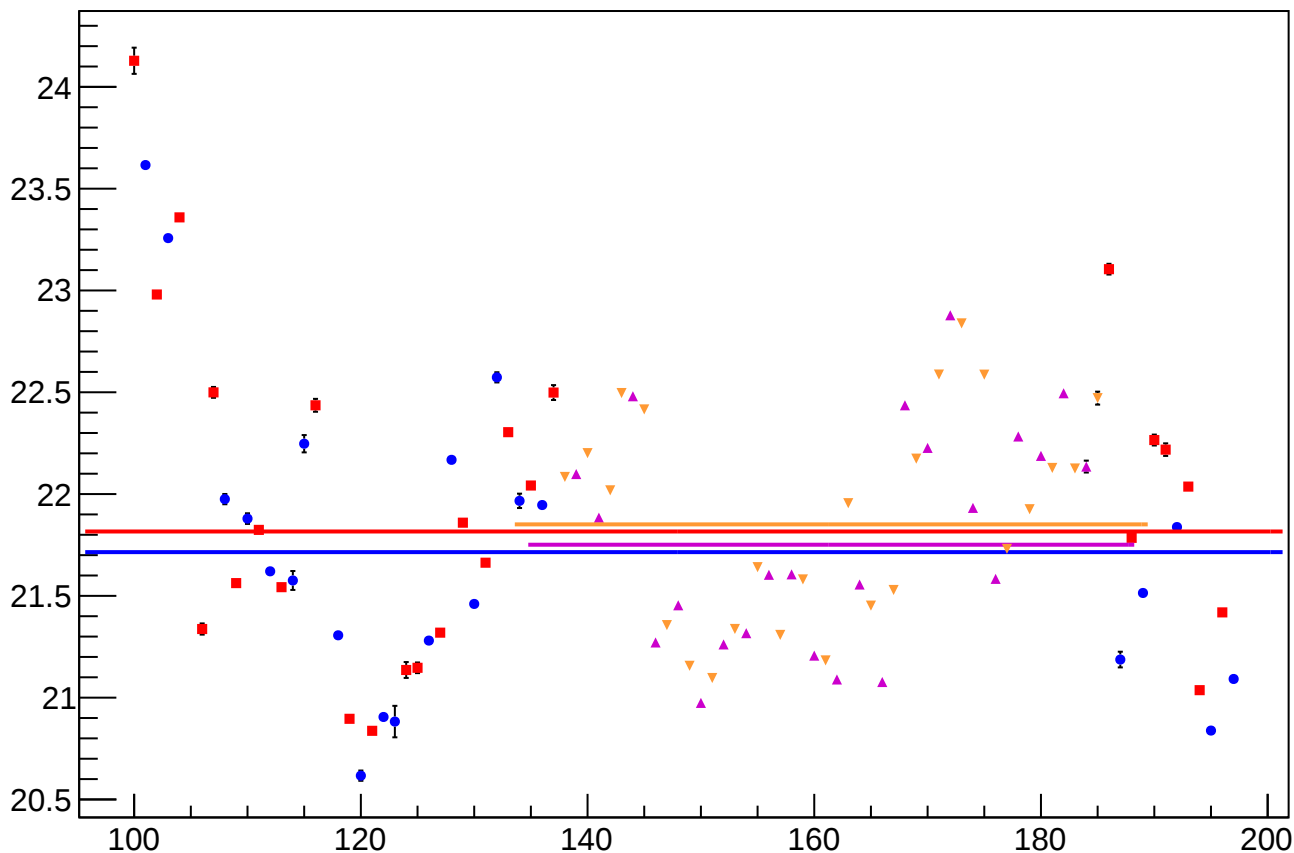
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -2.466 ± 4.105 χ^2/NDF : 61.1/46

All: 2.769 ± 2.888 χ^2/NDF : 106.9/95

- sign 7.901 ± 4.065 χ^2/NDF : 42.6/48

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.715 $\pm$ 0.005 χ^2 /NDF: 23343.8/21

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF: 19631.8/24

Right Out: 21.816 $\pm$ 0.005 χ^2 /NDF: 21930.8/25

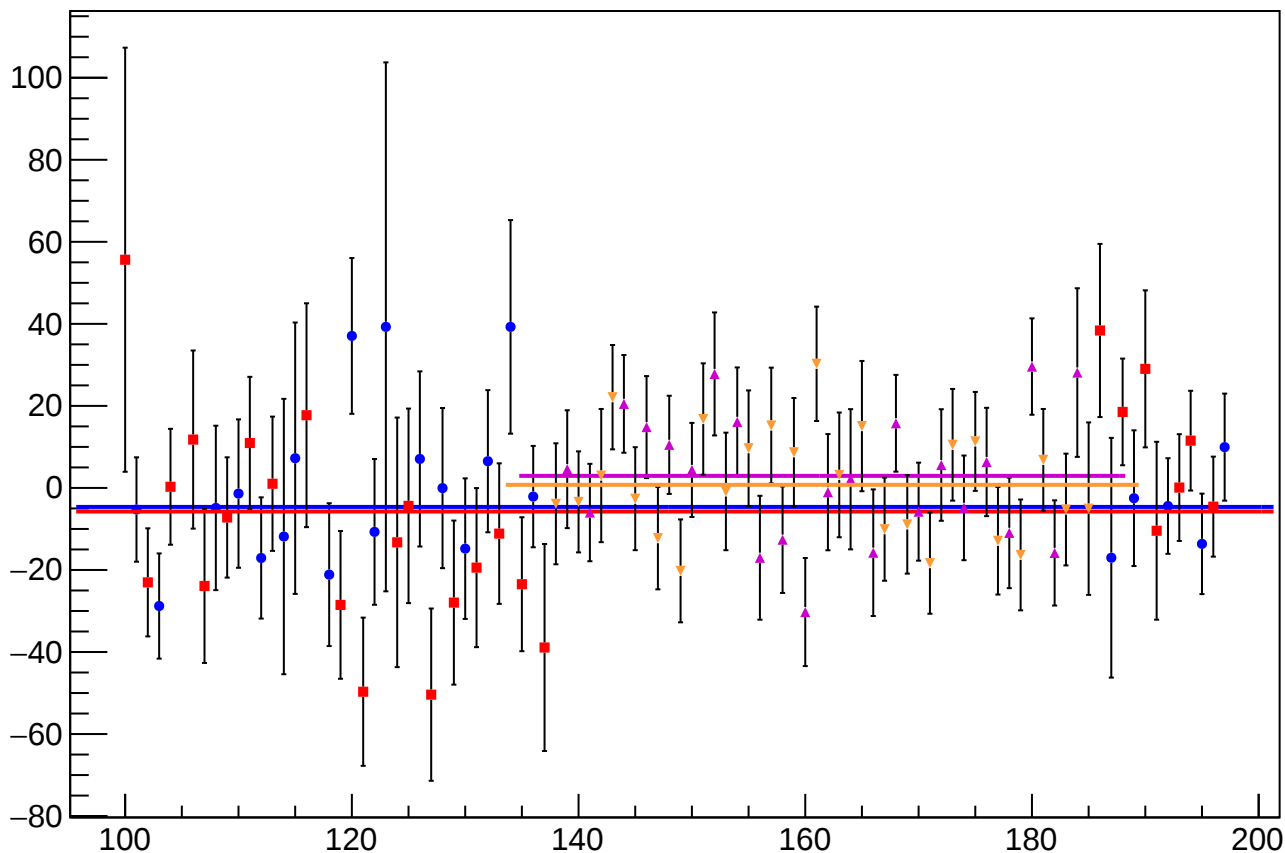
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF: 20516.3/22

+ sign 21.803 $\pm$ 0.003 χ^2 /NDF: 43477.2/46

All: 21.790 $\pm$ 0.002 χ^2 /NDF: 86088.9/95

- sign 21.777 $\pm$ 0.003 χ^2 /NDF: 42569.3/48

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.626 ± 3.581 χ^2/NDF : 16.8/21

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -5.750 ± 3.385 χ^2/NDF : 37.2/25

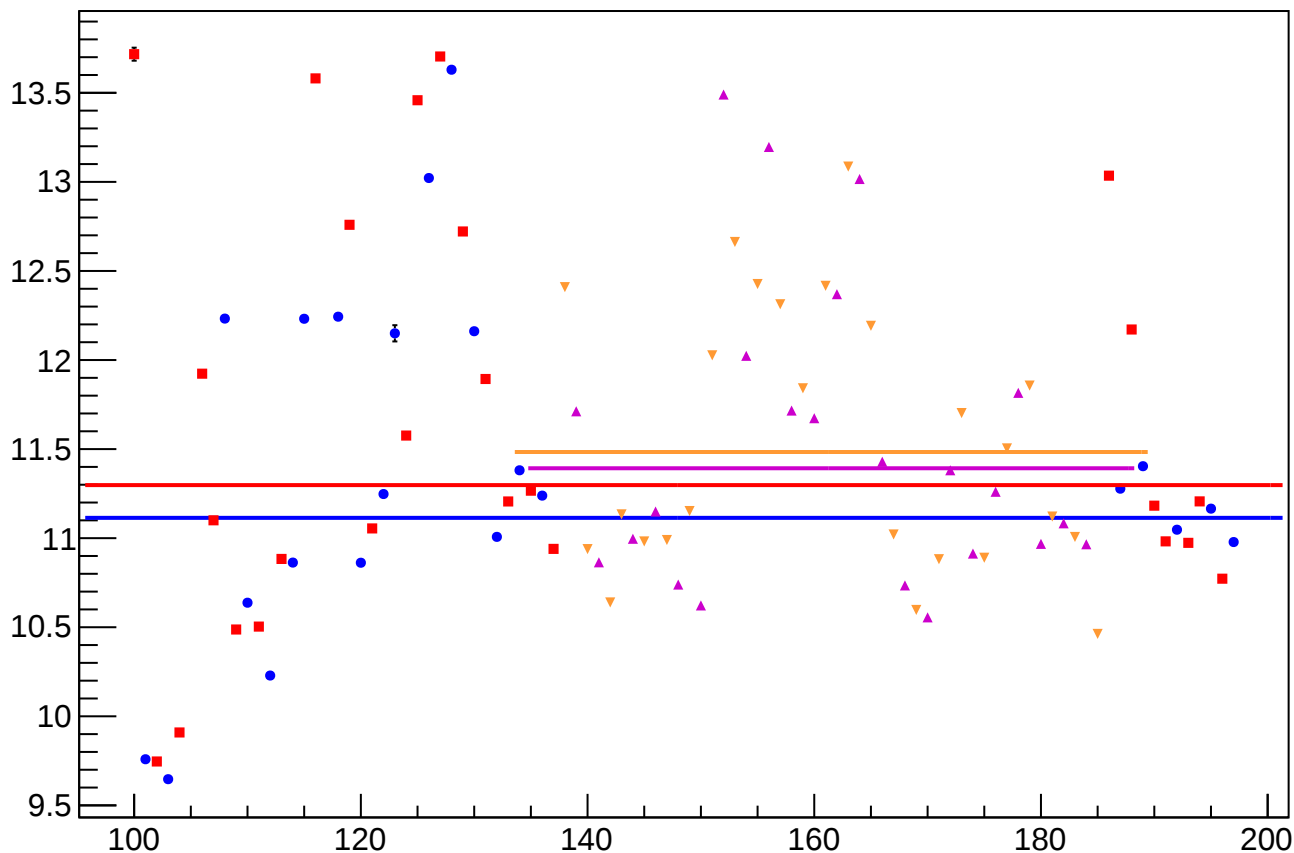
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -1.191 ± 2.155 χ^2/NDF : 42.0/46

All: -0.854 ± 1.518 χ^2/NDF : 114.1/95

- sign -0.523 ± 2.138 χ^2/NDF : 72.1/48

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.114 ± 0.003 $\chi^2/\text{NDF}: 133593.3/21$

Left Out: 11.484 ± 0.002 $\chi^2/\text{NDF}: 129805.4/24$

Right Out: 11.298 ± 0.002 $\chi^2/\text{NDF}: 176732.4/25$

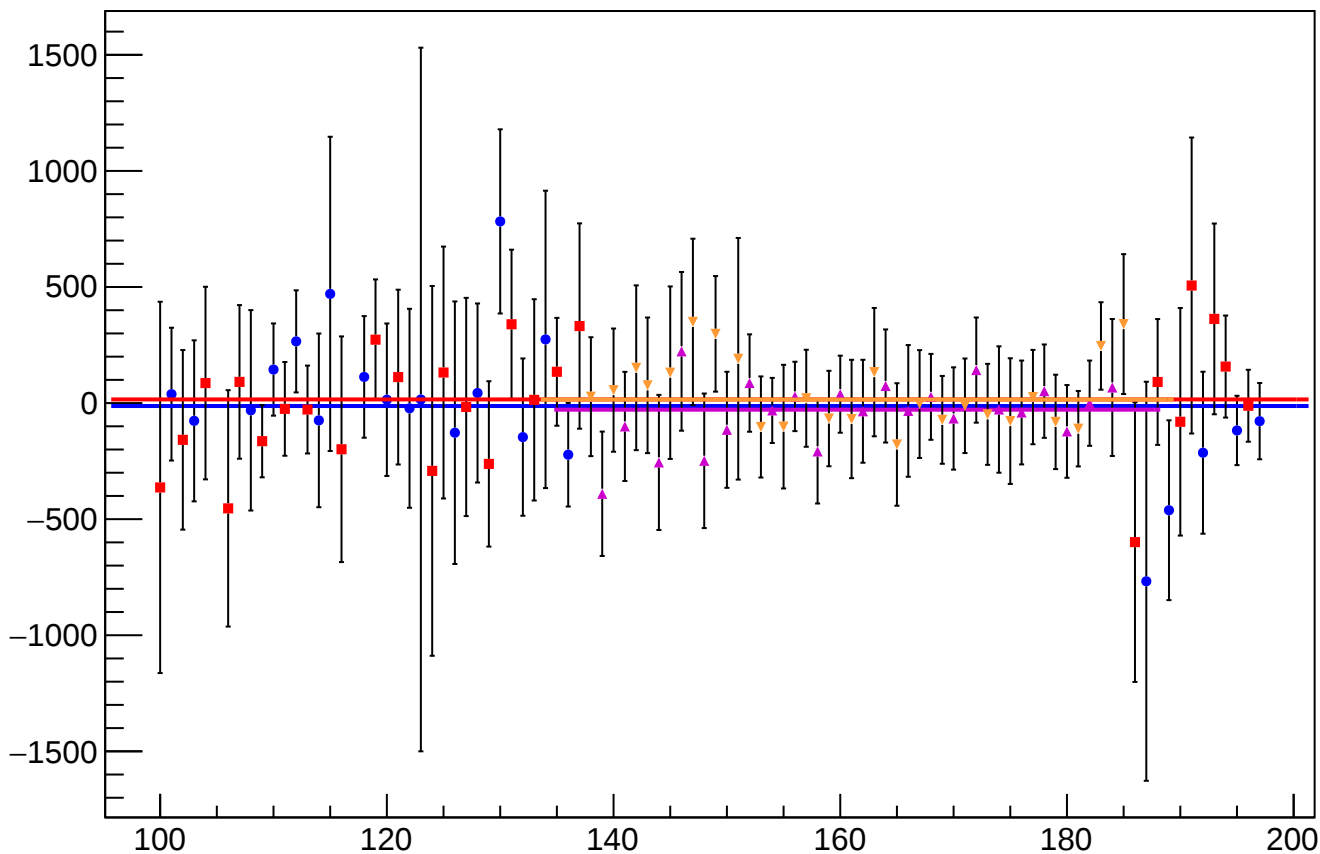
Left In: 11.392 ± 0.002 $\chi^2/\text{NDF}: 150493.3/22$

+ sign 11.350 ± 0.002 $\chi^2/\text{NDF}: 276989.1/46$

All: 11.352 ± 0.001 $\chi^2/\text{NDF}: 605157.2/95$

- sign 11.355 ± 0.002 $\chi^2/\text{NDF}: 328163.0/48$

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -12.680 ± 62.429 χ^2/NDF : 11.5/21

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 15.755 ± 58.299 χ^2/NDF : 9.5/25

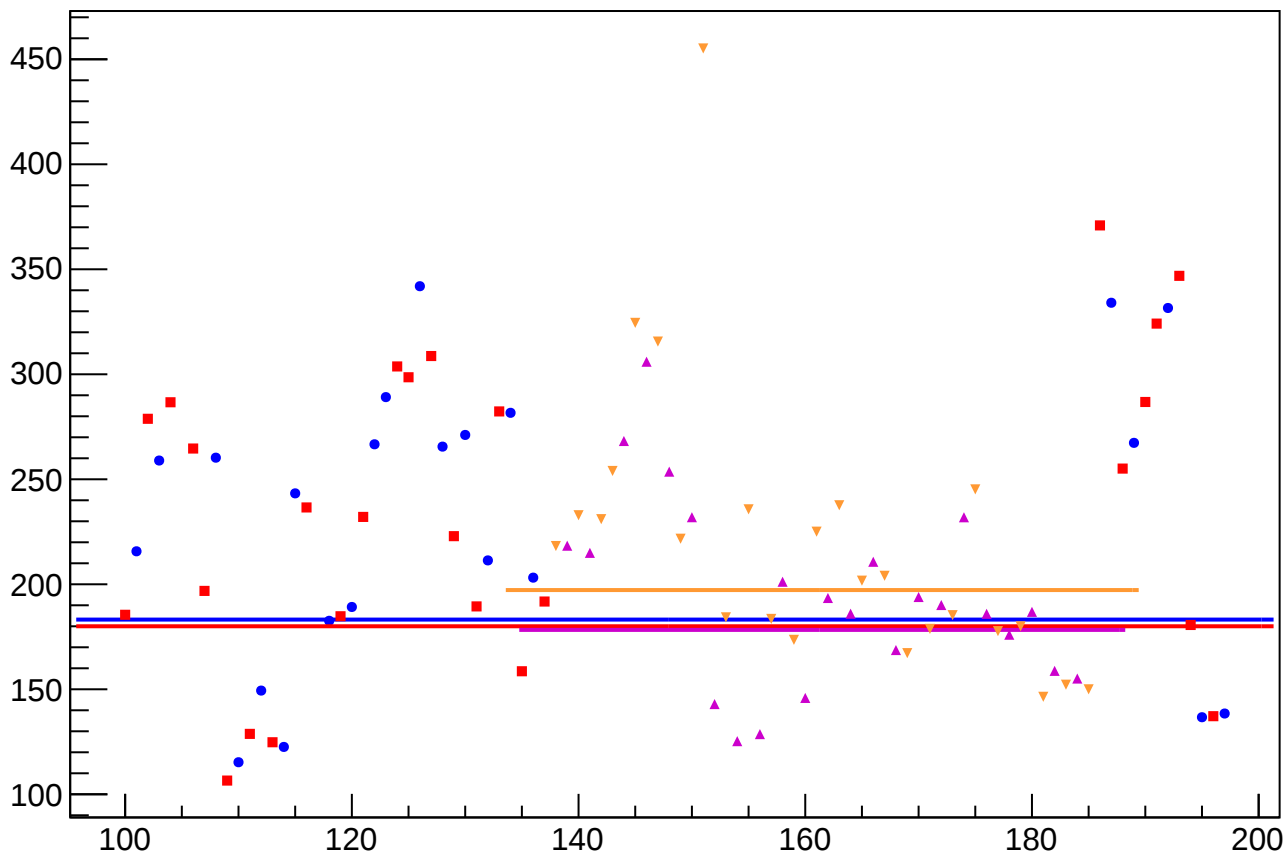
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign 4.878 ± 37.905 χ^2/NDF : 19.6/46

All: -4.146 ± 25.919 χ^2/NDF : 36.0/95

- sign -12.071 ± 35.521 χ^2/NDF : 16.3/48

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 183.193 $\pm$ 0.044 χ^2 /NDF: 1905421.7/21

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF:1786808.1/24

Right Out: 180.007 $\pm$ 0.041 χ^2 /NDF: 2622597.2/25

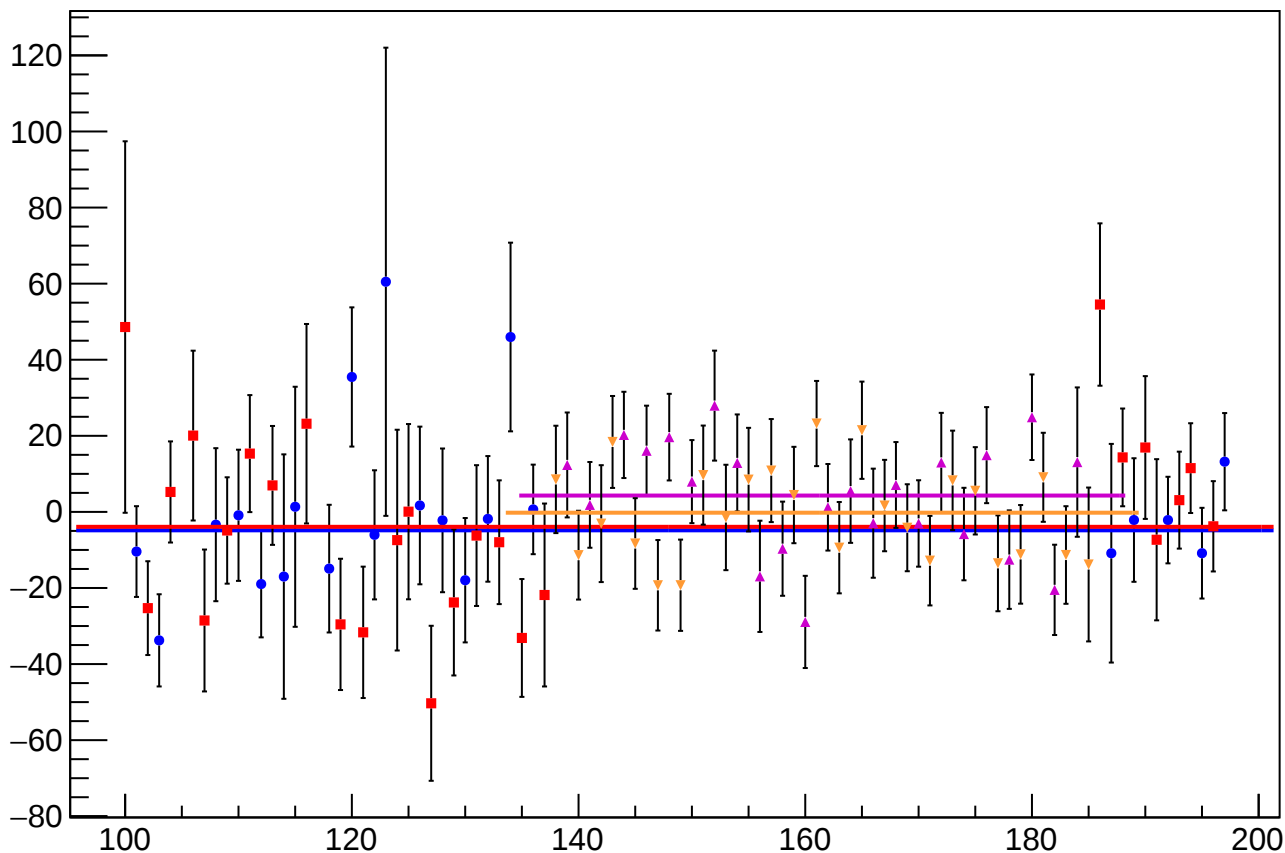
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF:1628916.6/22

+ sign 192.067 $\pm$ 0.027 χ^2 /NDF: 3756242.3/46

All: 185.067 $\pm$ 0.018 χ^2 /NDF: 8136987.7/95

- sign 178.919 $\pm$ 0.025 χ^2 /NDF: 4252621.0/48

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -4.845+/-3.445 χ^2 /NDF: 21.1/21

Left Out: -0.211+/-2.523 χ^2 /NDF: 24.5/24

Right Out: -3.920+/-3.267 χ^2 /NDF: 38.7/25

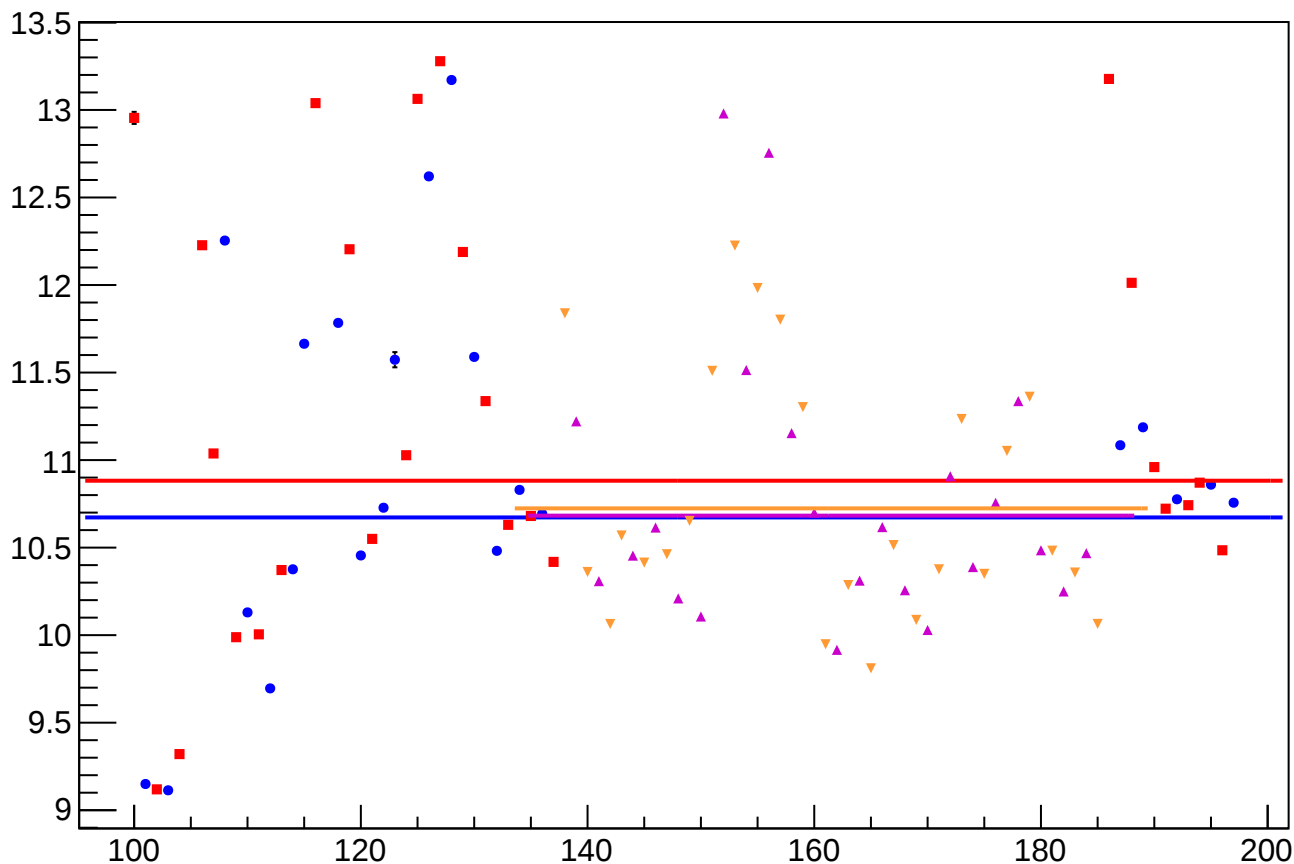
Left In: 4.298+/-2.589 χ^2 /NDF: 31.6/22

+ sign -1.829+/-2.036 χ^2 /NDF: 46.8/46

All: -0.346+/-1.437 χ^2 /NDF: 122.1/95

- sign 1.127+/-2.029 χ^2 /NDF: 74.2/48

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.672 ± 0.002 χ^2/NDF : 163867.7/21

Left Out: 10.724 ± 0.002 χ^2/NDF : 132558.9/24

Right Out: 10.882 ± 0.002 χ^2/NDF : 221282.0/25

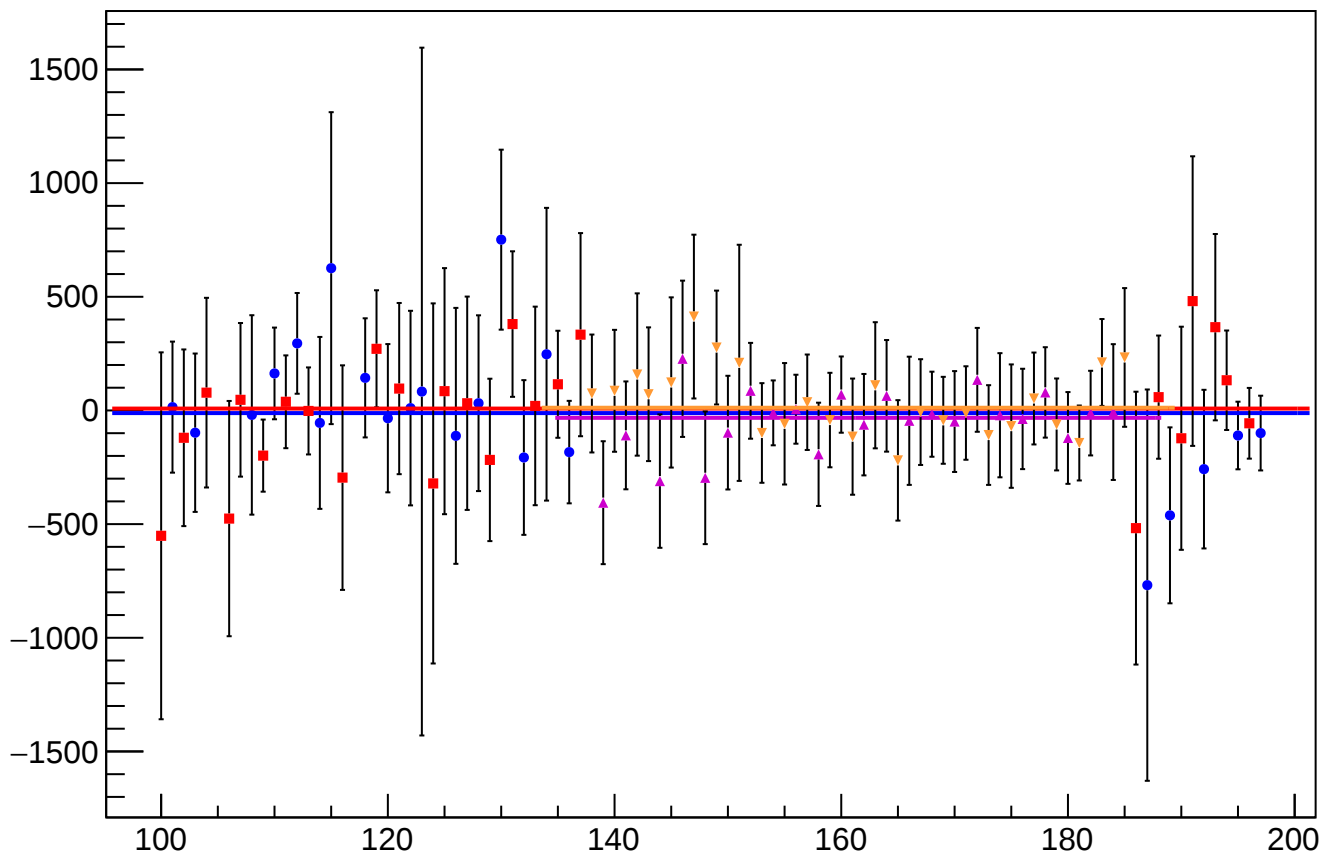
Left In: 10.683 ± 0.002 χ^2/NDF : 147835.6/22

+ sign 10.706 ± 0.001 χ^2/NDF : 296720.8/46

All: 10.733 ± 0.001 χ^2/NDF : 671113.6/95

- sign 10.760 ± 0.001 χ^2/NDF : 373700.0/48

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -11.606 ± 62.643 χ^2/NDF : 12.1/21

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 8.243 ± 58.694 χ^2/NDF : 10.1/25

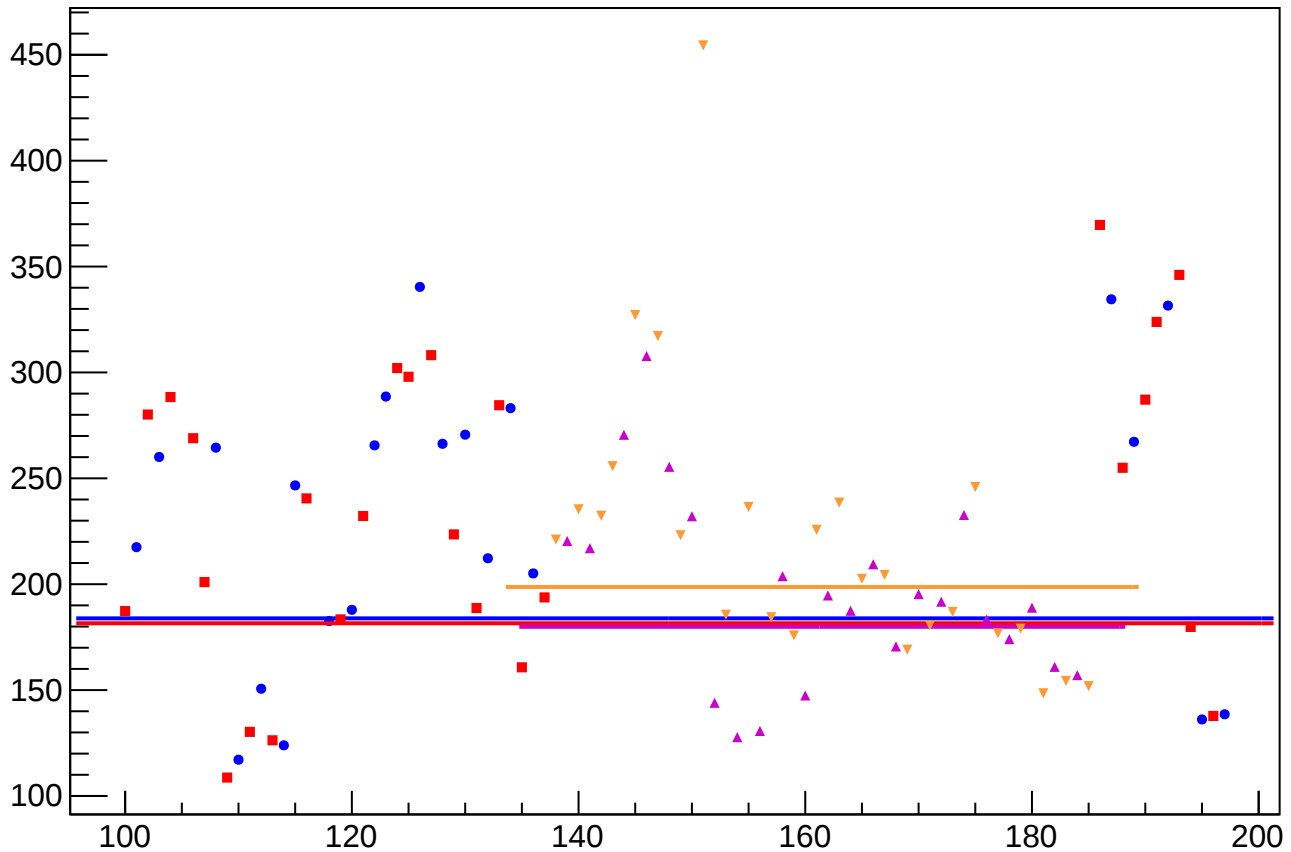
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign 3.193 ± 38.112 χ^2/NDF : 19.9/46

All: -7.695 ± 26.089 χ^2/NDF : 37.3/95

- sign -17.297 ± 35.789 χ^2/NDF : 17.3/48

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 183.869 $\pm$ 0.044 χ^2 /NDF: 1895472.0/21

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF:1759311.9/24

Right Out: 181.554 $\pm$ 0.042 χ^2 /NDF: 2561035.7/25

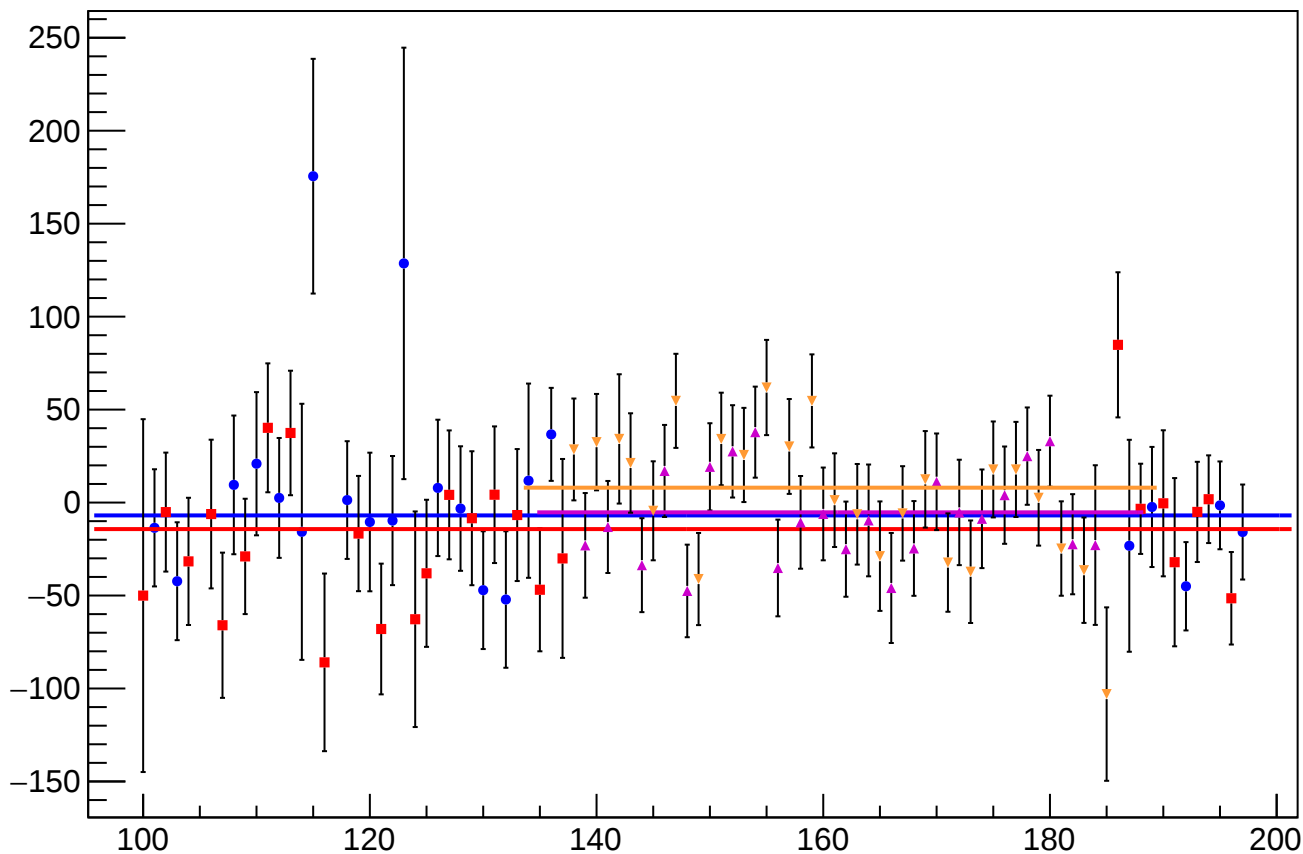
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 193.207 $\pm$ 0.027 χ^2 /NDF: 3725342.2/46

All: 186.458 $\pm$ 0.018 χ^2 /NDF: 7986060.4/95

- sign 180.506 $\pm$ 0.025 χ^2 /NDF: 4142686.3/48

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.912 ± 7.228 χ^2/NDF : 21.2/21

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -14.268 ± 6.759 χ^2/NDF : 24.4/25

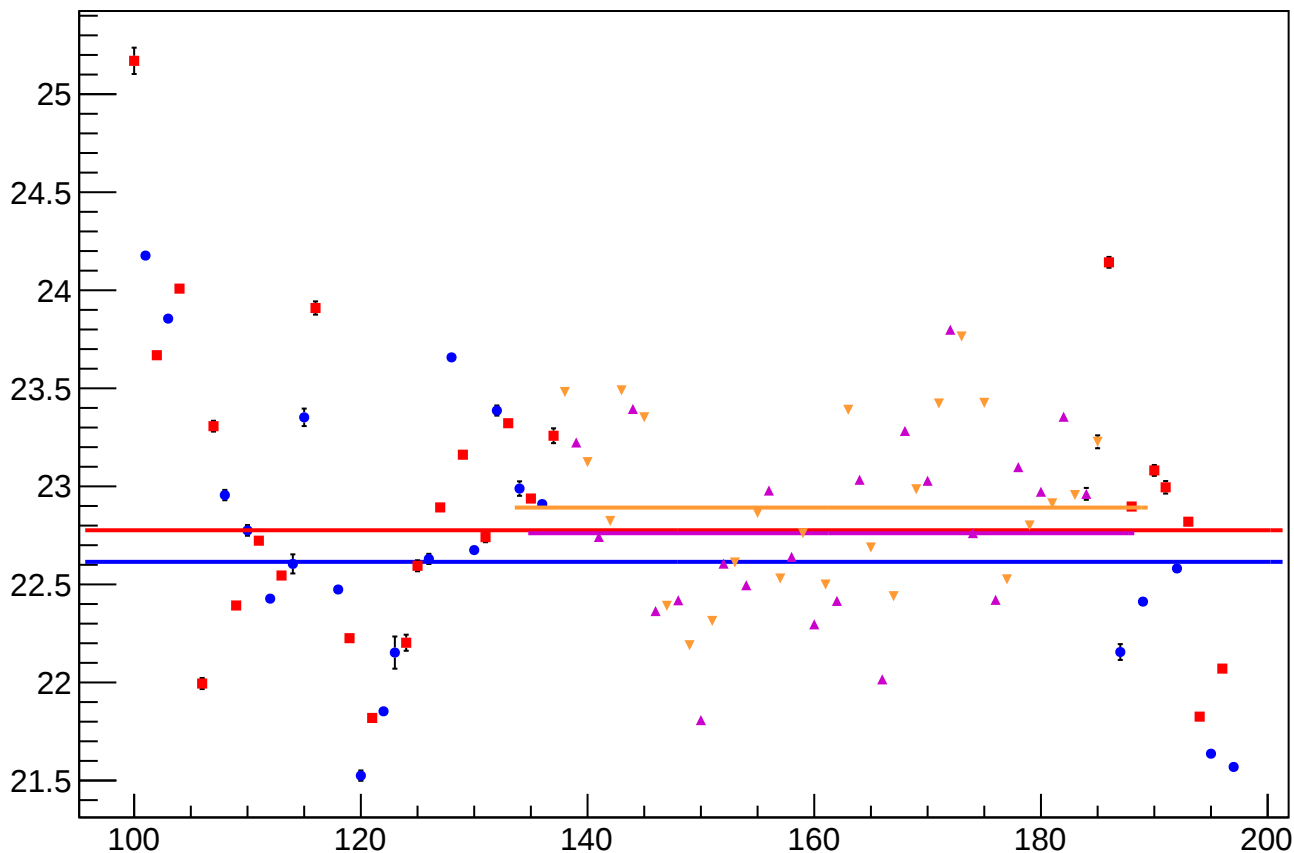
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 2.745 ± 4.292 χ^2/NDF : 61.4/46

All: -3.096 ± 3.020 χ^2/NDF : 111.3/95

- sign -8.822 ± 4.249 χ^2/NDF : 46.3/48

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.615 $\pm$ 0.005 χ^2 /NDF: 21469.5/21

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF:12995.5/24

Right Out: 22.776 $\pm$ 0.005 χ^2 /NDF: 18904.3/25

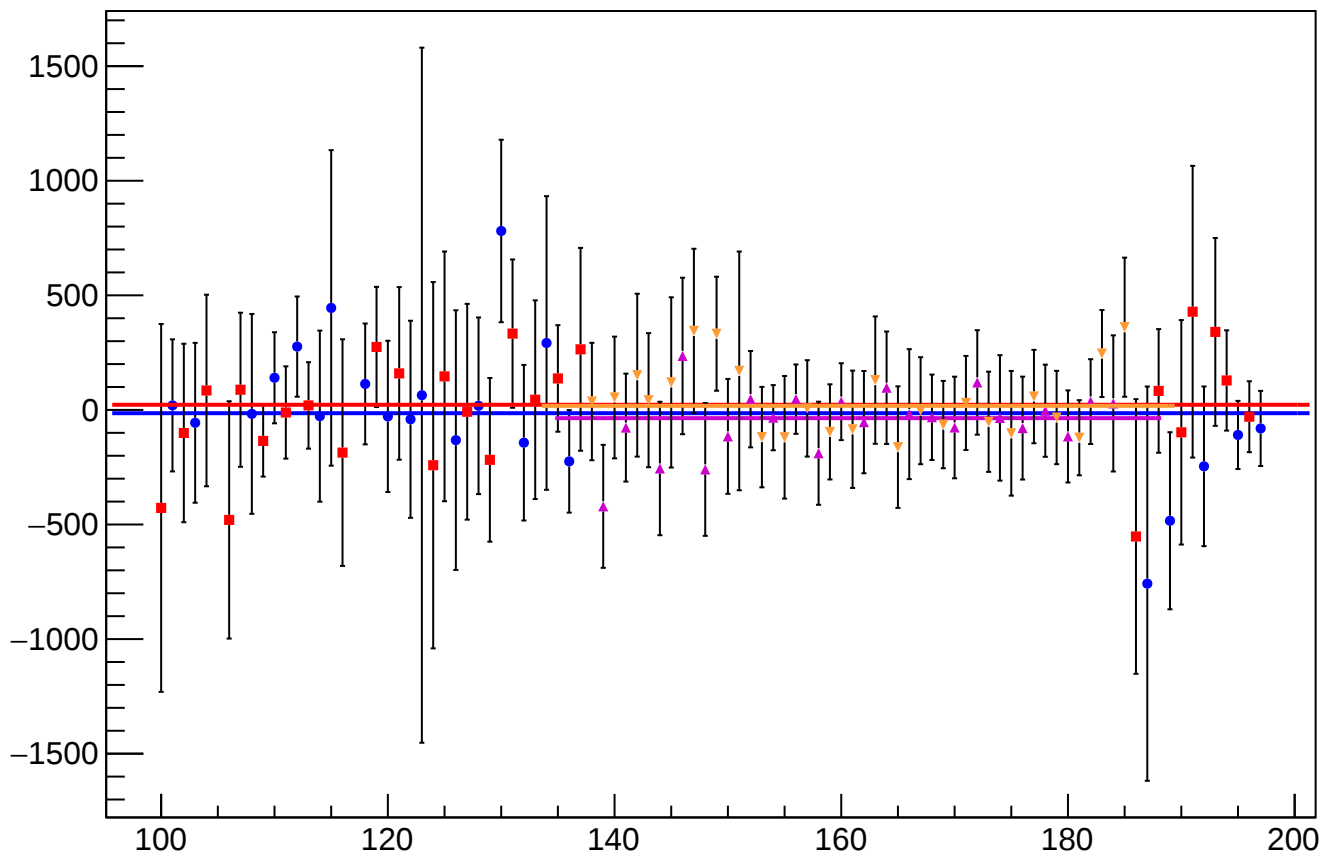
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.794 $\pm$ 0.003 χ^2 /NDF: 36364.2/46

All: 22.781 $\pm$ 0.002 χ^2 /NDF: 69865.7/95

- sign 22.767 $\pm$ 0.003 χ^2 /NDF: 33460.4/48

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -14.327 ± 62.450 χ^2/NDF : 11.6/21

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 22.487 ± 58.351 χ^2/NDF : 8.2/25

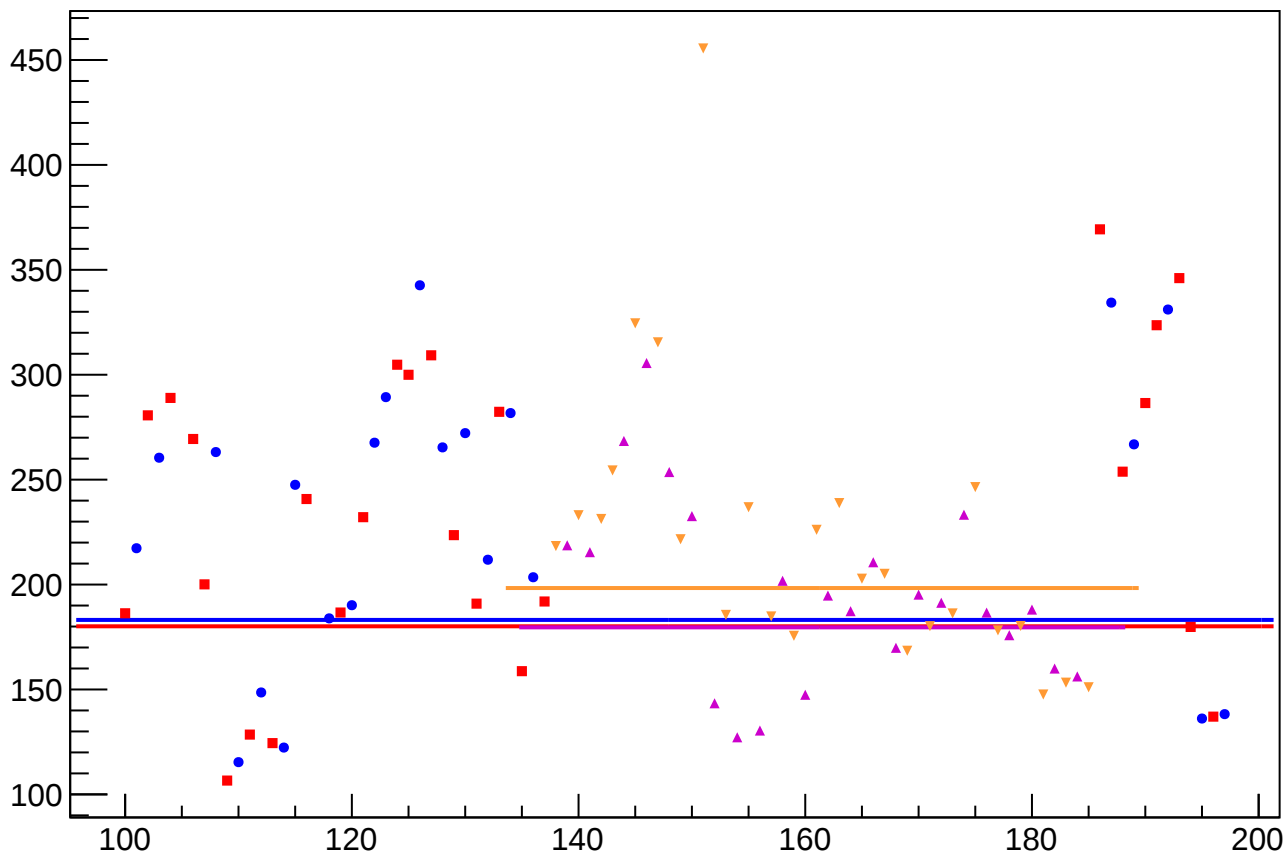
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign 5.873 ± 38.028 χ^2/NDF : 20.3/46

All: -4.728 ± 26.019 χ^2/NDF : 35.6/95

- sign -14.059 ± 35.677 χ^2/NDF : 15.1/48

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 183.150 $\pm$ 0.044 χ^2/NDF : 1928457.4/21

Left Out: 198.344 $\pm$ 0.034 χ^2/NDF : 1757450.6/24

Right Out: 180.106 $\pm$ 0.041 χ^2/NDF : 2641422.4/25

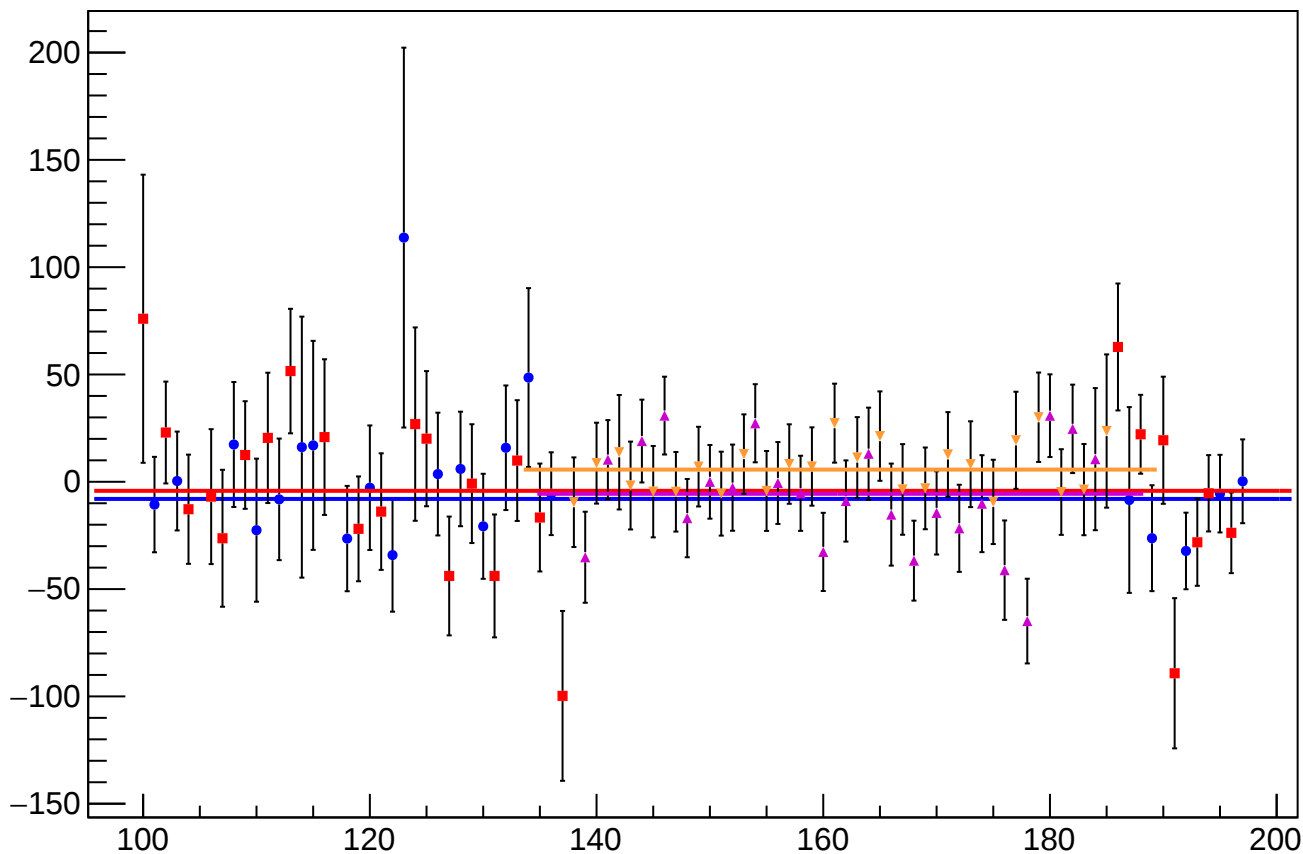
Left In: 179.605 $\pm$ 0.032 χ^2/NDF : 1575744.0/22

+ sign 192.710 $\pm$ 0.027 χ^2/NDF : 3760397.8/46

All: 185.840 $\pm$ 0.018 χ^2/NDF : 8100389.4/95

- sign 179.792 $\pm$ 0.025 χ^2/NDF : 4217259.0/48

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -7.986 ± 5.583 χ^2/NDF : 10.8/21

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -4.211 ± 5.234 χ^2/NDF : 36.9/25

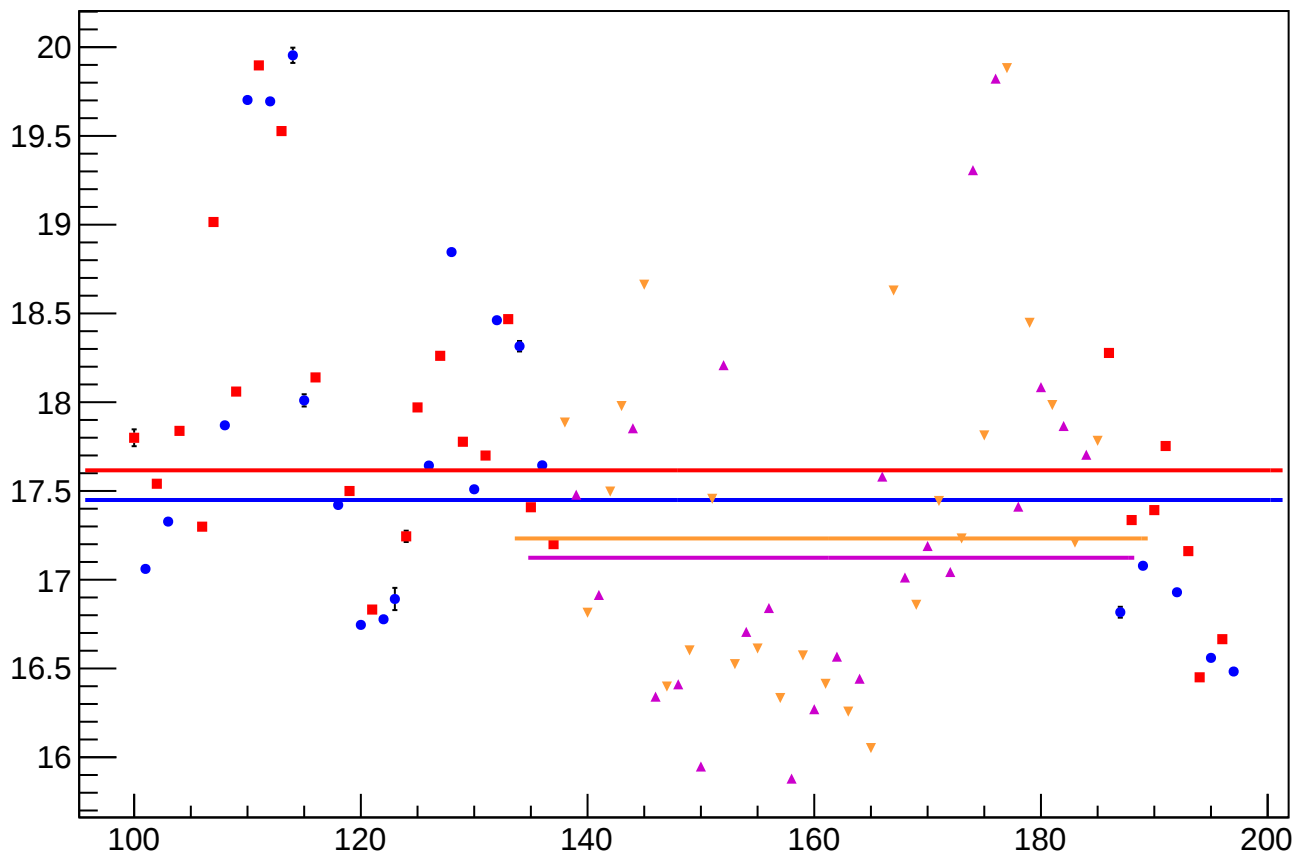
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 1.009 ± 3.264 χ^2/NDF : 22.5/46

All: -2.053 ± 2.299 χ^2/NDF : 97.6/95

- sign -5.065 ± 3.238 χ^2/NDF : 73.3/48

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.449 $\pm$ 0.004 χ^2 /NDF: 50407.8/21

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 17.616 $\pm$ 0.004 χ^2 /NDF: 47046.1/25

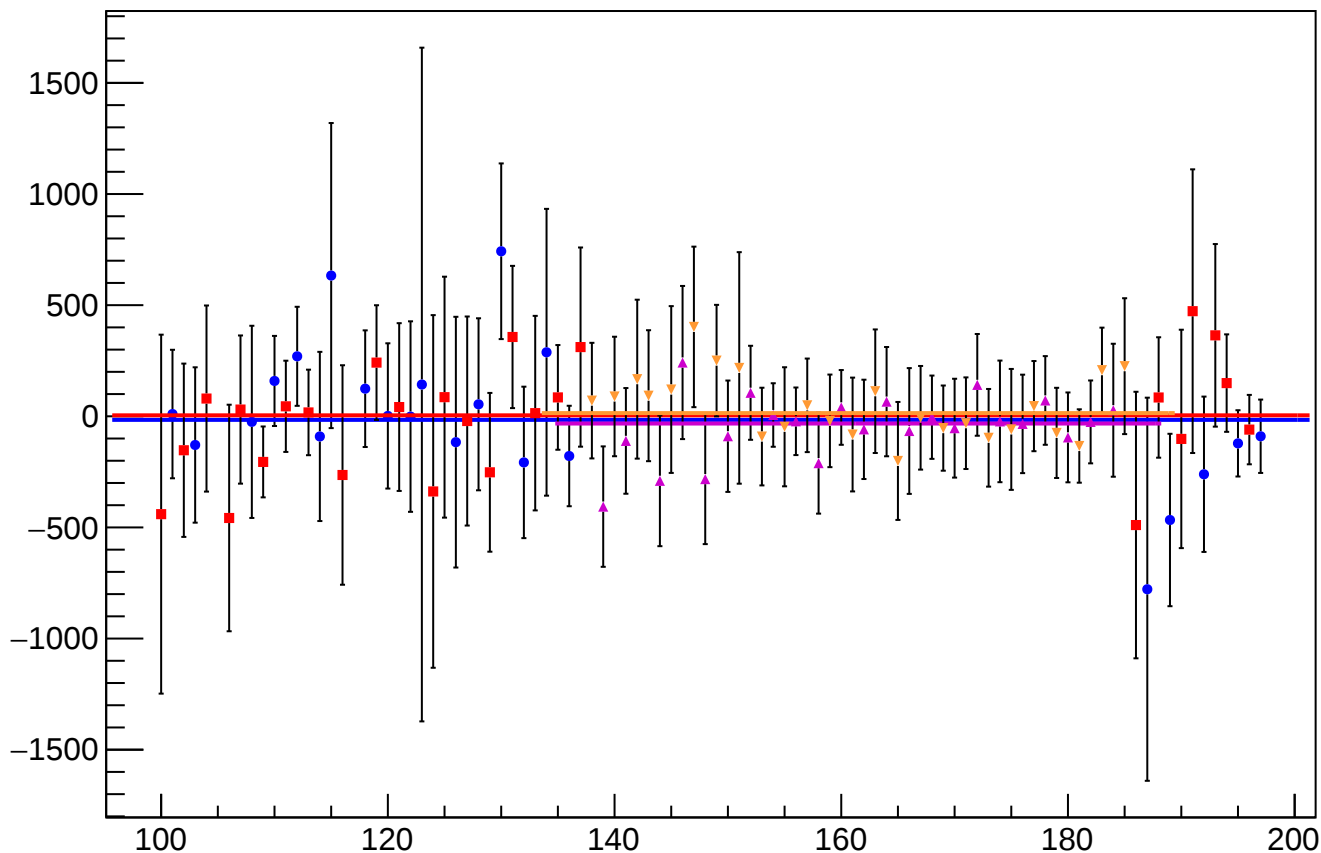
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.307 $\pm$ 0.002 χ^2 /NDF: 151091.3/46

All: 17.309 $\pm$ 0.002 χ^2 /NDF: 309816.8/95

- sign 17.312 $\pm$ 0.002 χ^2 /NDF: 158722.4/48

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -16.082 ± 62.810 $\chi^2/\text{NDF}: 11.9/21$

Left Out: 14.362 ± 48.130 $\chi^2/\text{NDF}: 6.9/24$

Right Out: 4.321 ± 58.825 $\chi^2/\text{NDF}: 9.5/25$

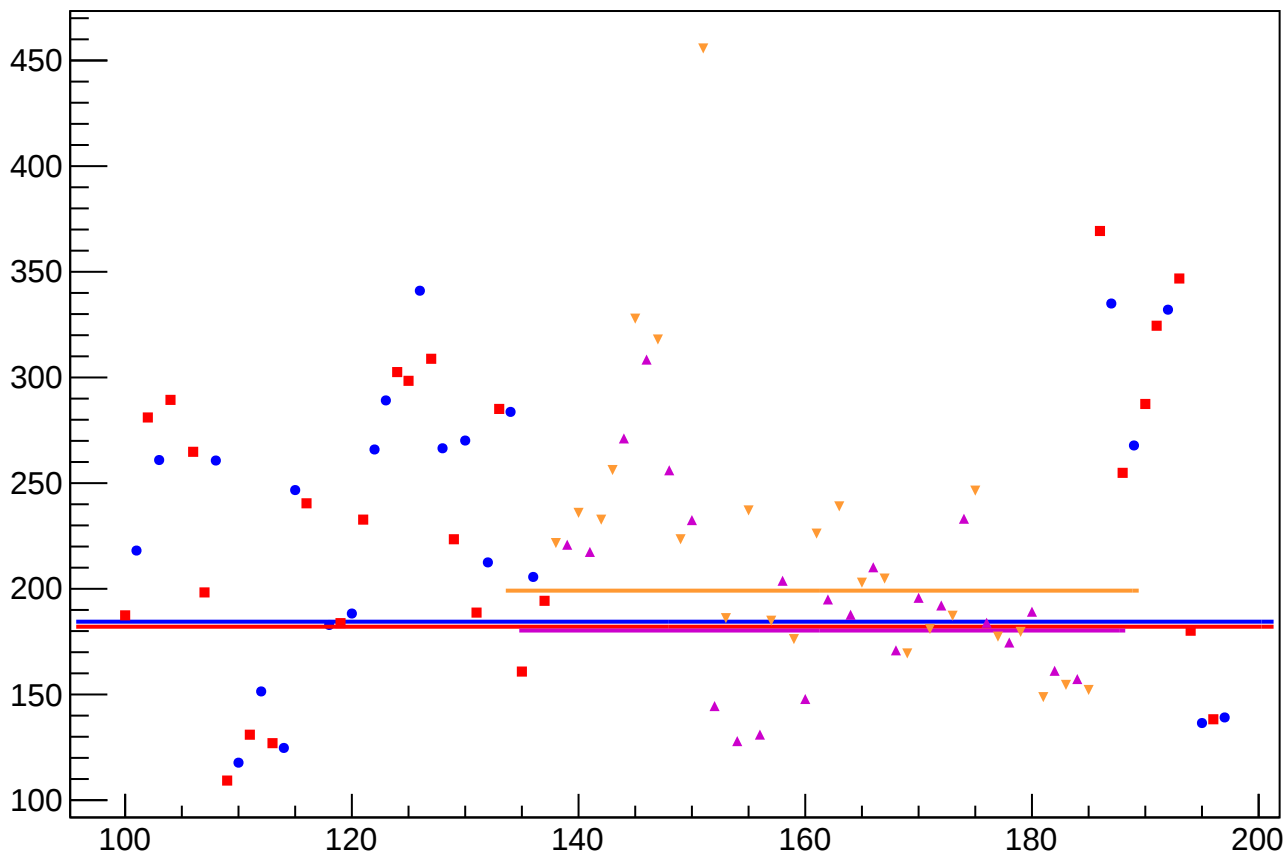
Left In: -32.571 ± 45.248 $\chi^2/\text{NDF}: 6.7/22$

+ sign 3.099 ± 38.203 $\chi^2/\text{NDF}: 19.0/46$

All: -8.571 ± 26.148 $\chi^2/\text{NDF}: 35.6/95$

- sign -18.857 ± 35.865 $\chi^2/\text{NDF}: 16.5/48$

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 184.447 $\pm$ 0.044 χ^2 /NDF: 1878352.1/21

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF:1760298.1/24

Right Out: 182.065 $\pm$ 0.042 χ^2 /NDF: 2537461.6/25

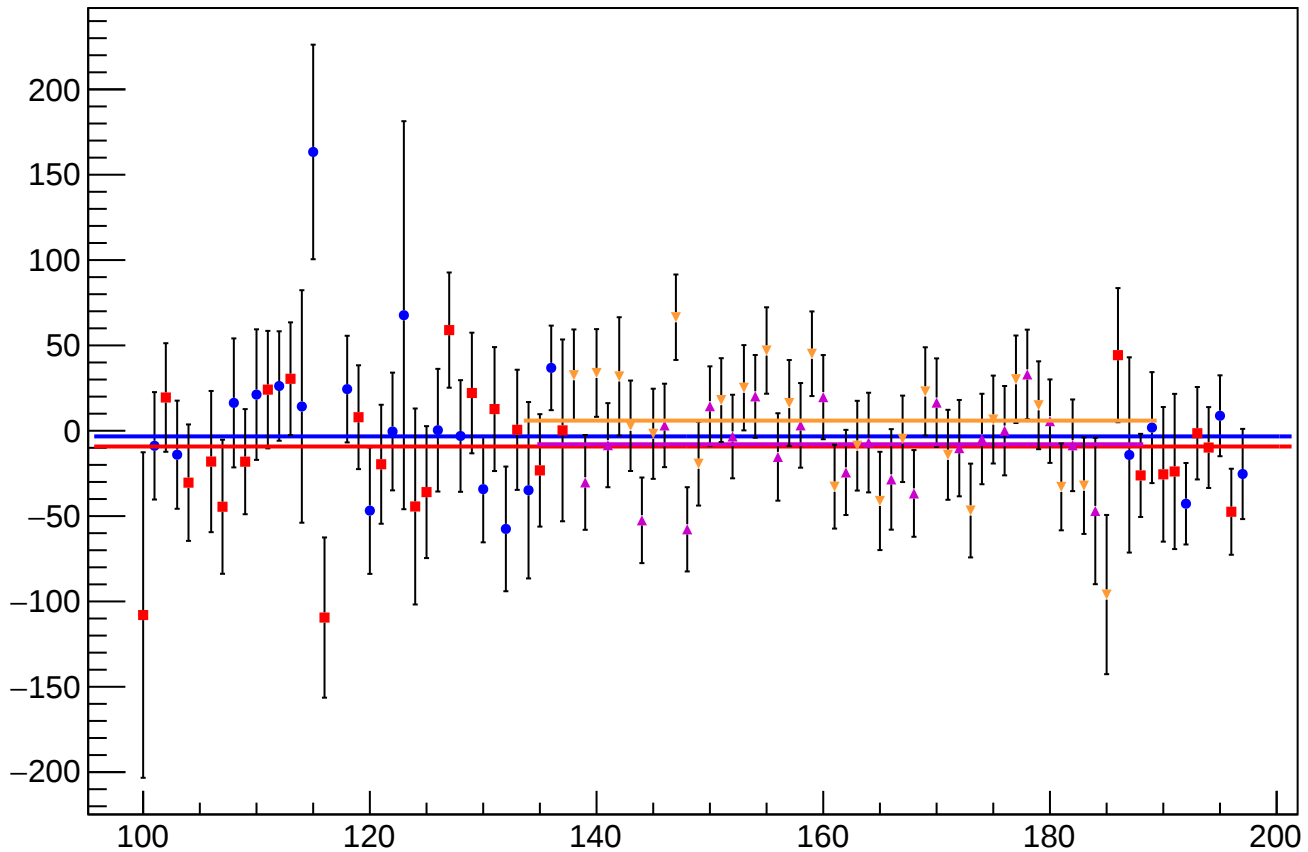
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

+ sign 193.702 $\pm$ 0.027 χ^2 /NDF: 3707565.4/46

All: 186.912 $\pm$ 0.018 χ^2 /NDF: 7945602.9/95

- sign 180.929 $\pm$ 0.025 χ^2 /NDF: 4119203.7/48

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.304 ± 7.214 χ^2/NDF : 21.3/21

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: -9.224 ± 6.737 χ^2/NDF : 21.9/25

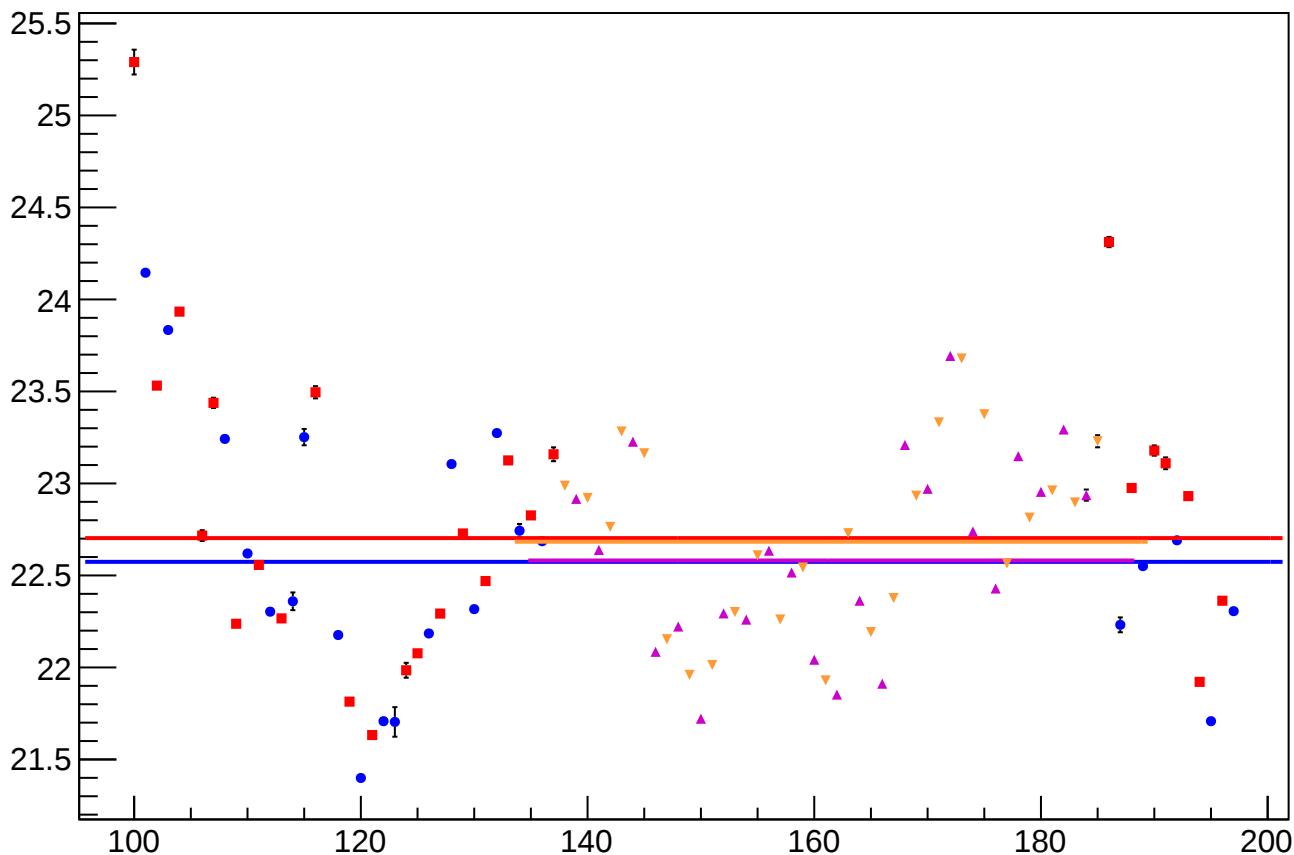
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 2.710 ± 4.263 χ^2/NDF : 58.5/46

All: -2.912 ± 3.000 χ^2/NDF : 102.6/95

- sign -8.430 ± 4.224 χ^2/NDF : 40.6/48

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.574 $\pm$ 0.005 χ^2 /NDF: 17580.9/21

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16320.2/24

Right Out: 22.703 $\pm$ 0.005 χ^2 /NDF: 19554.0/25

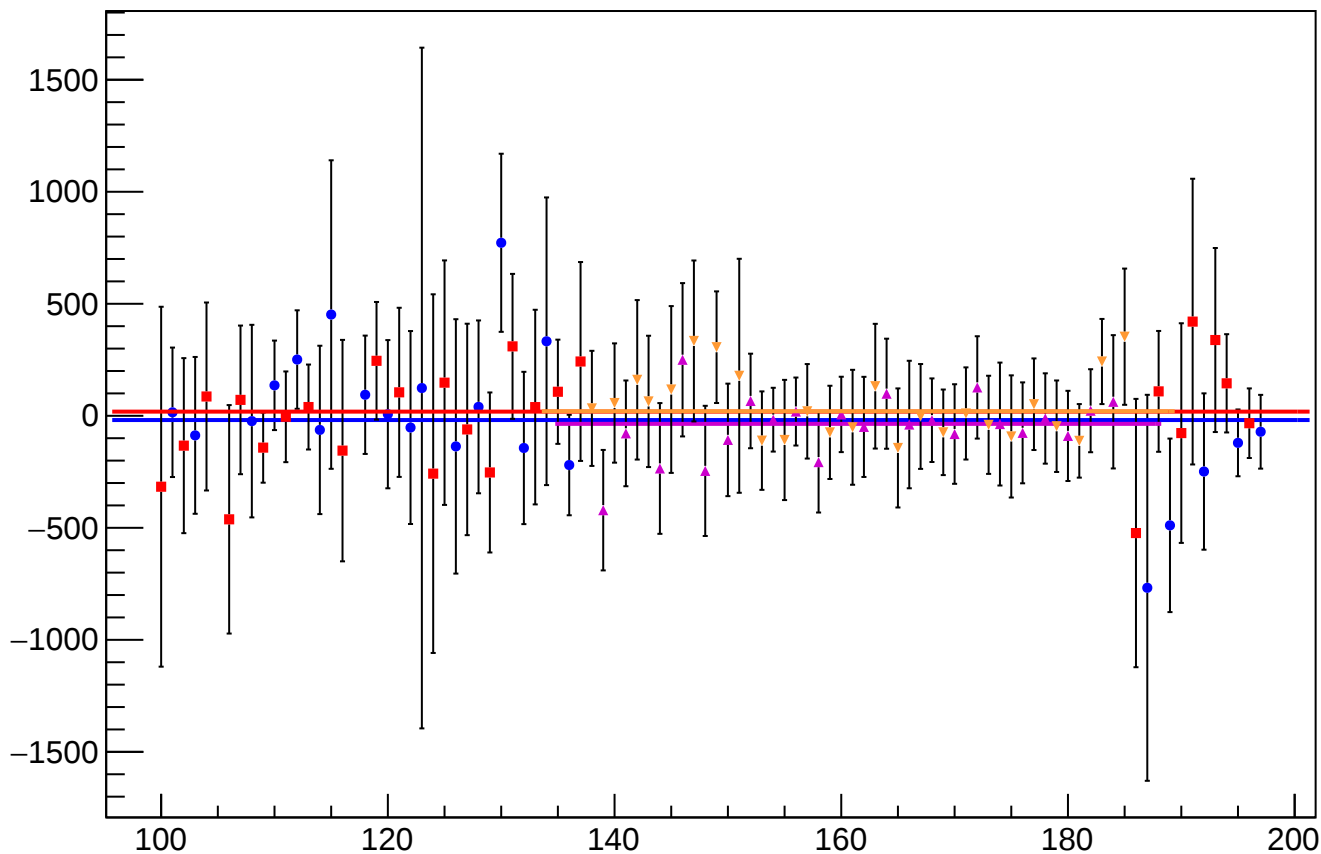
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF: 17904.5/22

+ sign 22.645 $\pm$ 0.003 χ^2 /NDF: 34199.9/46

All: 22.637 $\pm$ 0.002 χ^2 /NDF: 72067.8/95

- sign 22.629 $\pm$ 0.003 χ^2 /NDF: 37853.9/48

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -18.926 ± 62.619 $\chi^2/\text{NDF}: 11.3/21$

Left Out: 20.306 ± 48.049 $\chi^2/\text{NDF}: 7.7/24$

Right Out: 18.659 ± 58.485 $\chi^2/\text{NDF}: 7.7/25$

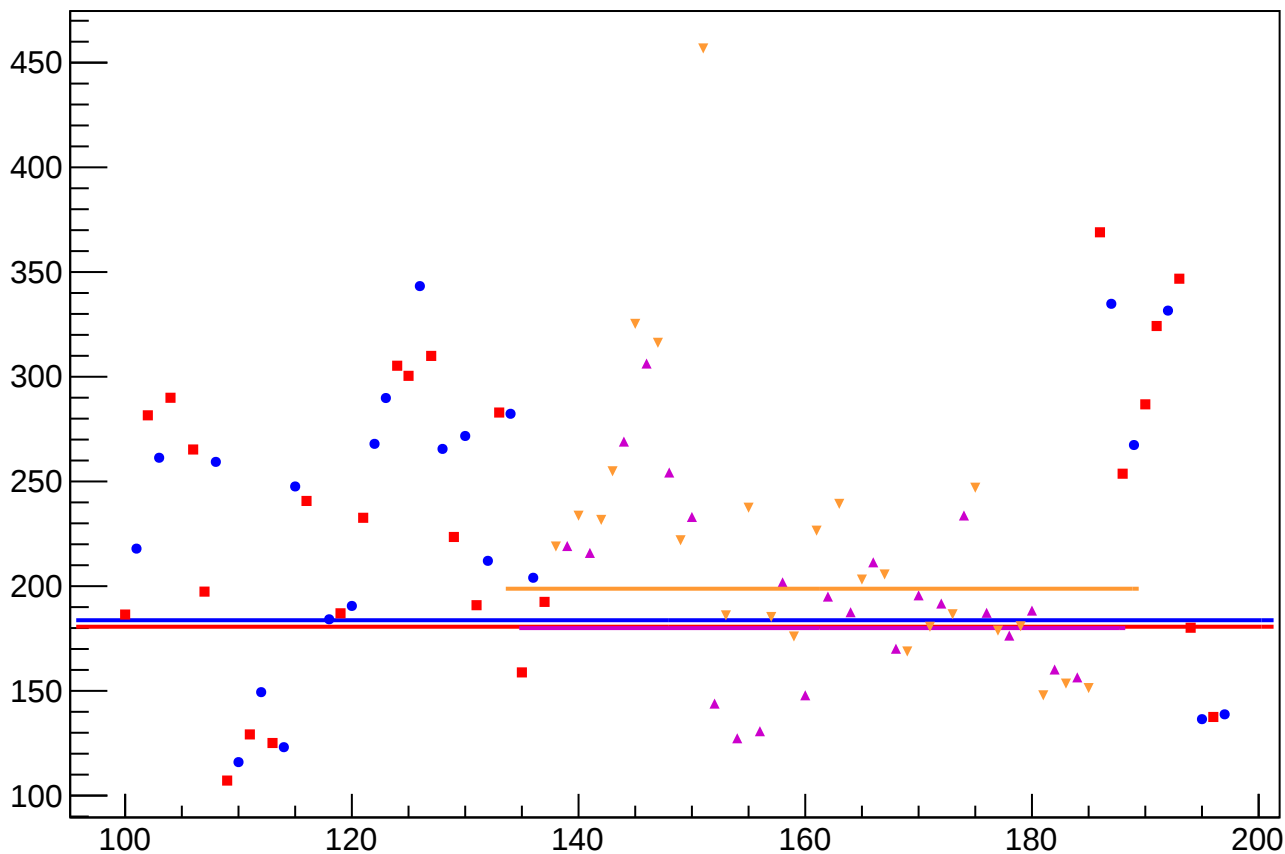
Left In: -35.996 ± 45.180 $\chi^2/\text{NDF}: 6.1/22$

+ sign 5.767 ± 38.120 $\chi^2/\text{NDF}: 19.3/46$

All: -5.584 ± 26.078 $\chi^2/\text{NDF}: 33.7/95$

- sign -15.569 ± 35.754 $\chi^2/\text{NDF}: 14.3/48$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 183.736 $\pm$ 0.044 χ^2 /NDF: 1910673.6/21

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 180.631 $\pm$ 0.041 χ^2 /NDF: 2616761.6/25

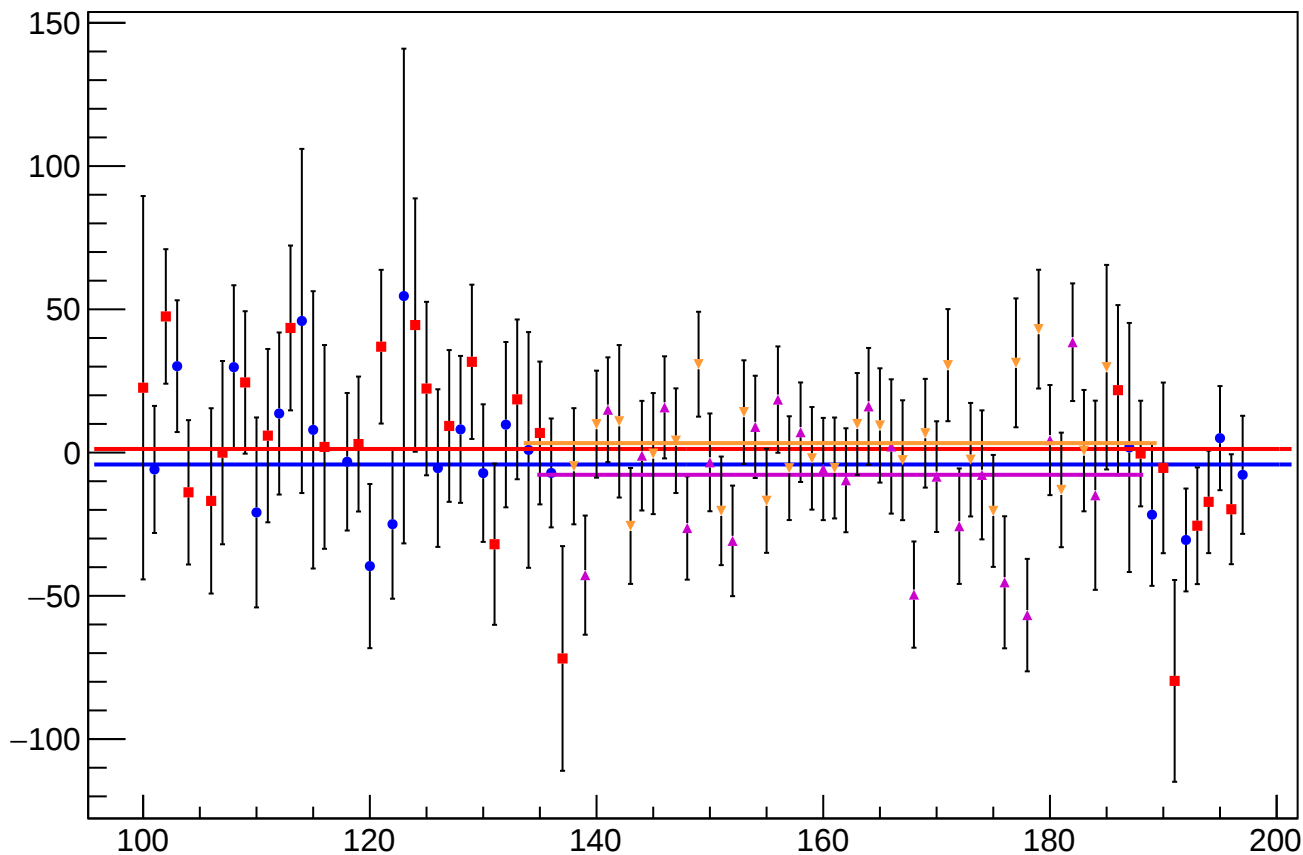
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 193.208 $\pm$ 0.027 χ^2 /NDF: 3741856.0/46

All: 186.298 $\pm$ 0.018 χ^2 /NDF: 8058198.9/95

- sign 180.219 $\pm$ 0.025 χ^2 /NDF: 4192808.7/48

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.152 ± 5.560 χ^2/NDF : 11.2/21

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: 1.260 ± 5.204 χ^2/NDF : 27.4/25

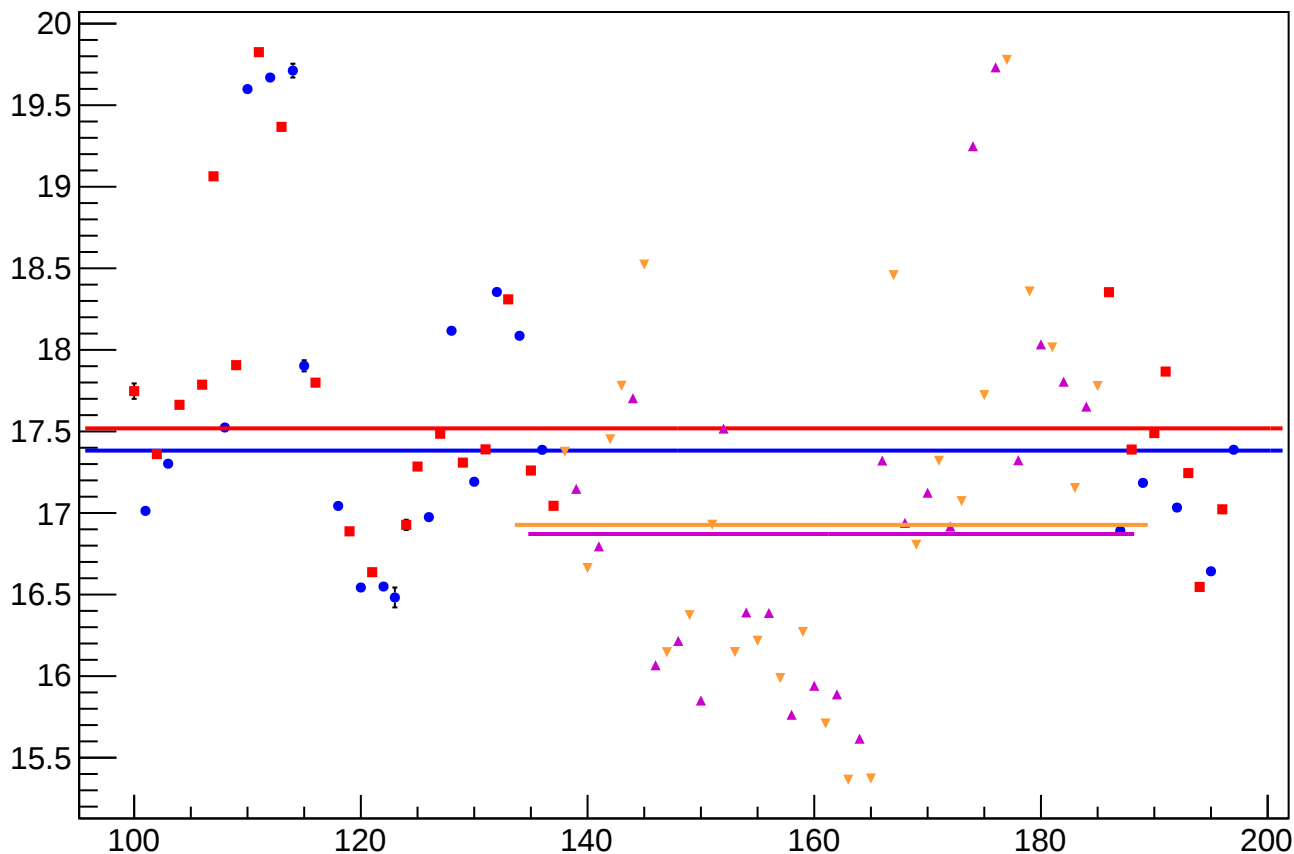
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 0.802 ± 3.222 χ^2/NDF : 31.1/46

All: -1.788 ± 2.271 χ^2/NDF : 95.9/95

- sign -4.344 ± 3.201 χ^2/NDF : 63.6/48

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.383+/-0.004 χ^2/NDF : 39788.9/21

Left Out: 16.927+/-0.003 χ^2/NDF : 138533.2/24

Right Out: 17.519+/-0.004 χ^2/NDF : 41317.1/25

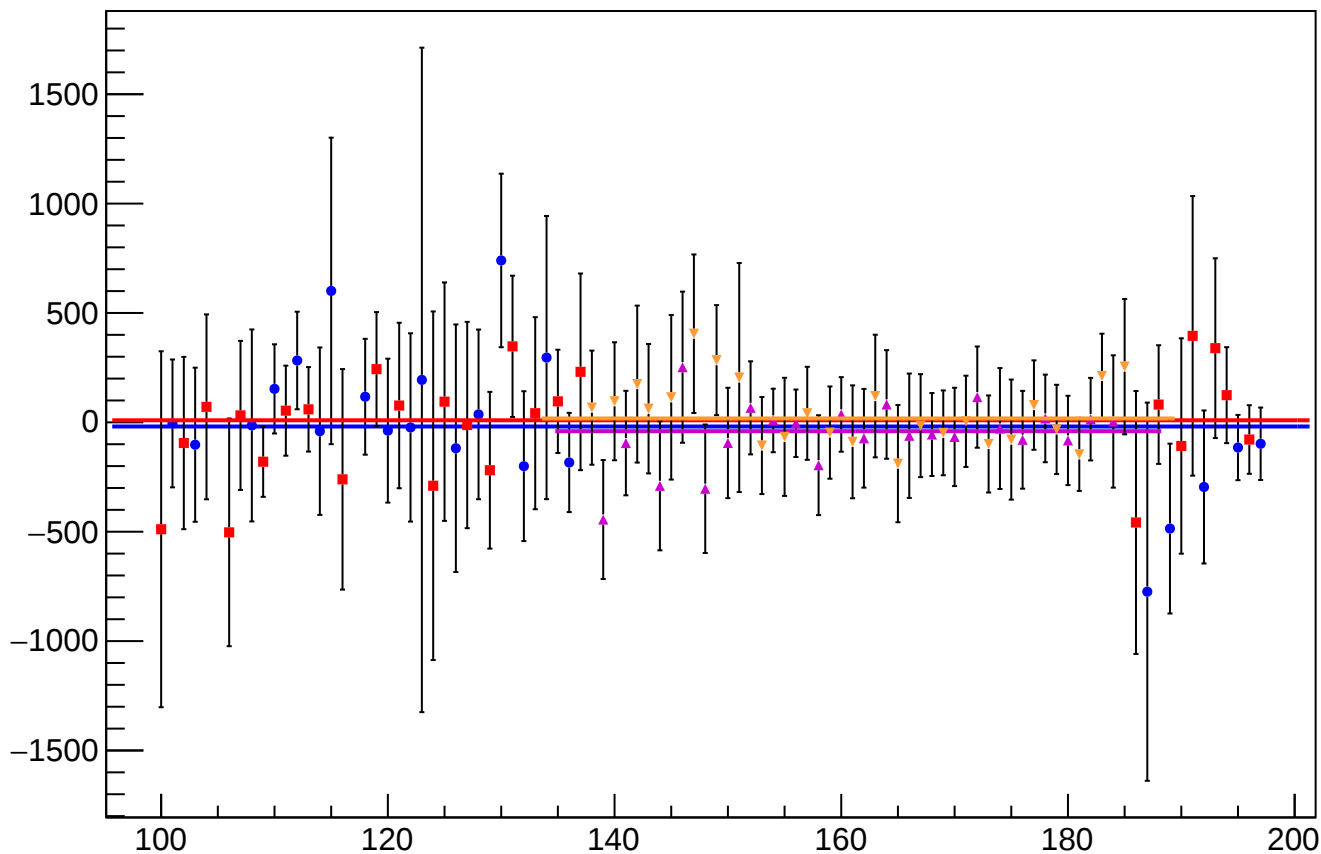
Left In: 16.871+/-0.003 χ^2/NDF : 117993.8/22

+ sign 17.080+/-0.002 χ^2/NDF : 187232.0/46

All: 17.098+/-0.002 χ^2/NDF : 365920.3/95

- sign 17.116+/-0.002 χ^2/NDF : 178561.6/48

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -18.999 ± 63.079 χ^2/NDF : 11.9/21

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 9.453 ± 59.149 χ^2/NDF : 8.4/25

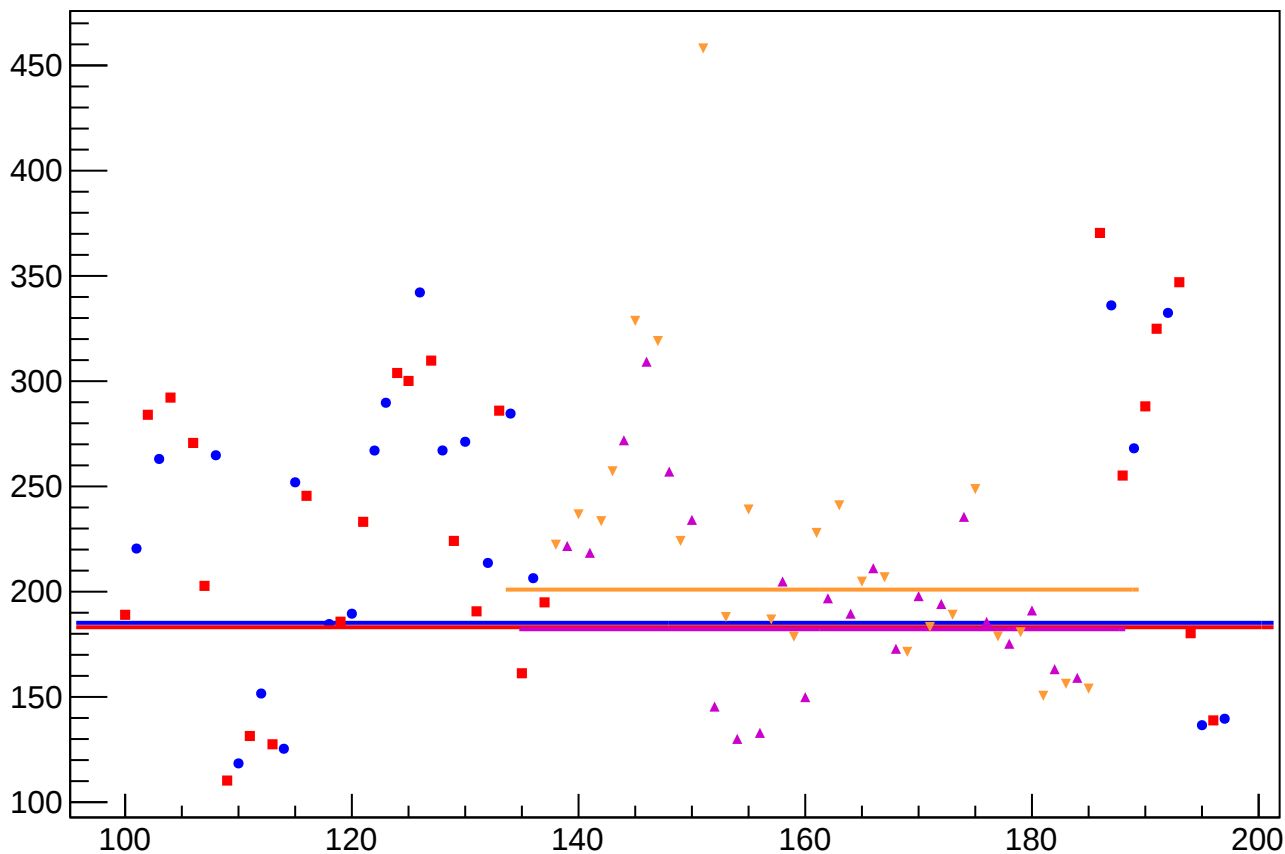
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign 4.129 ± 38.472 χ^2/NDF : 19.6/46

All: -9.608 ± 26.348 χ^2/NDF : 35.3/95

- sign -21.742 ± 36.158 χ^2/NDF : 15.5/48

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 185.208 $\pm$ 0.045 χ^2 /NDF: 1887505.3/21

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF: 1727291.4/24

Right Out: 183.117 $\pm$ 0.042 χ^2 /NDF: 2537000.6/25

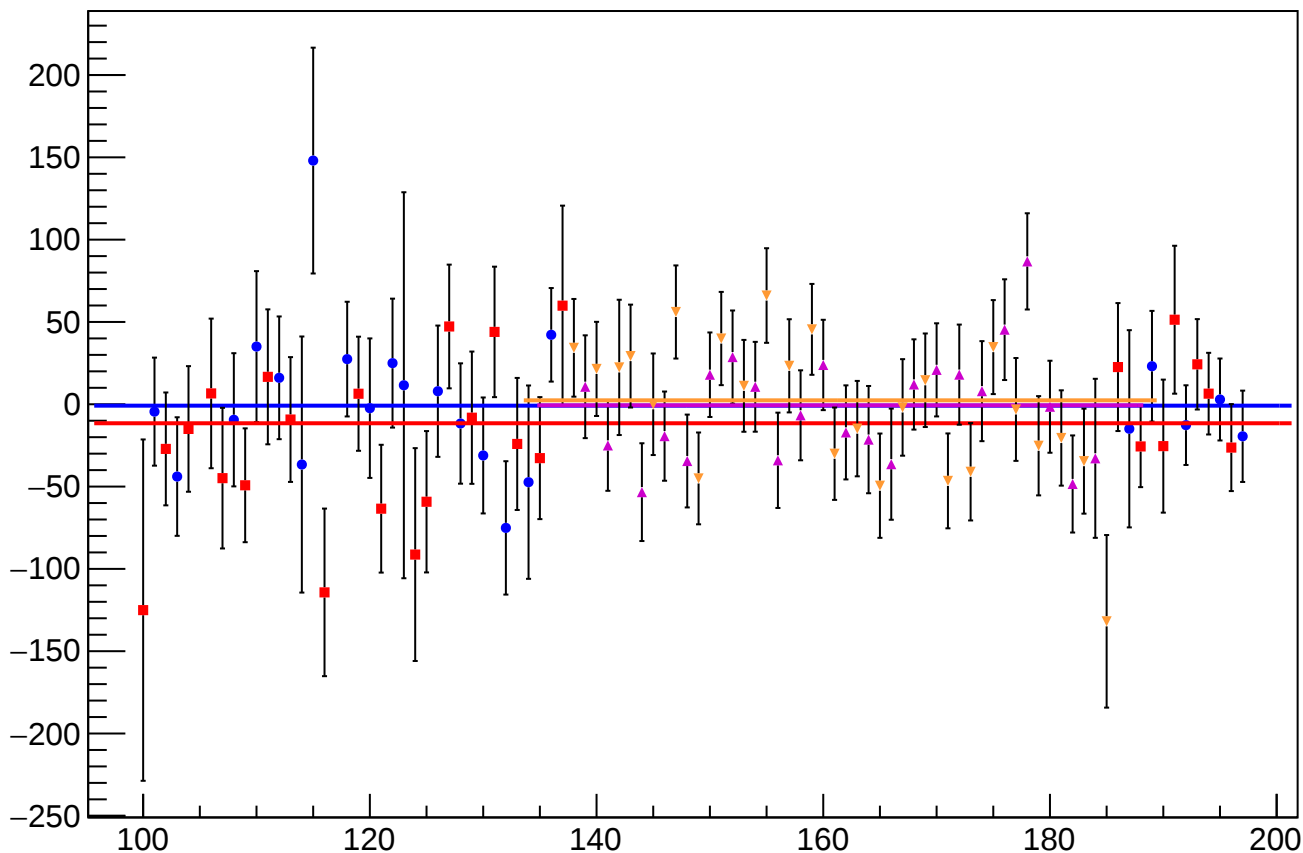
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF: 1535922.8/22

+ sign 195.116 $\pm$ 0.027 χ^2 /NDF: 3693374.6/46

All: 188.426 $\pm$ 0.019 χ^2 /NDF: 7880529.3/95

- sign 182.517 $\pm$ 0.026 χ^2 /NDF: 4073252.6/48

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.848 ± 7.882 χ^2/NDF : 16.8/21

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -11.537 ± 7.287 χ^2/NDF : 24.7/25

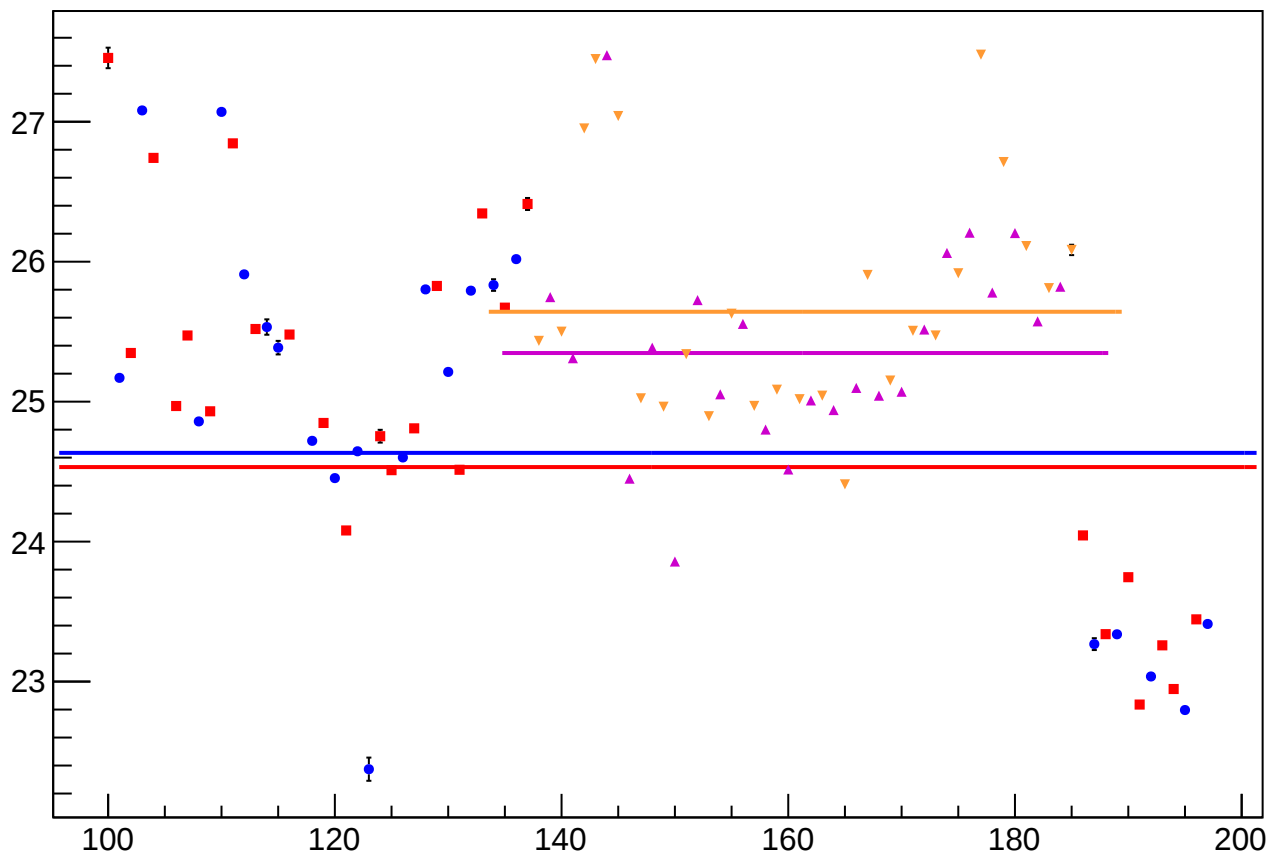
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 1.207 ± 4.764 χ^2/NDF : 56.0/46

All: -2.019 ± 3.336 χ^2/NDF : 110.2/95

- sign -5.122 ± 4.674 χ^2/NDF : 53.3/48

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.634 $\pm$ 0.006 χ^2 /NDF: 56432.8/21

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF: 34802.2/24

Right Out: 24.533 $\pm$ 0.005 χ^2 /NDF: 54252.2/25

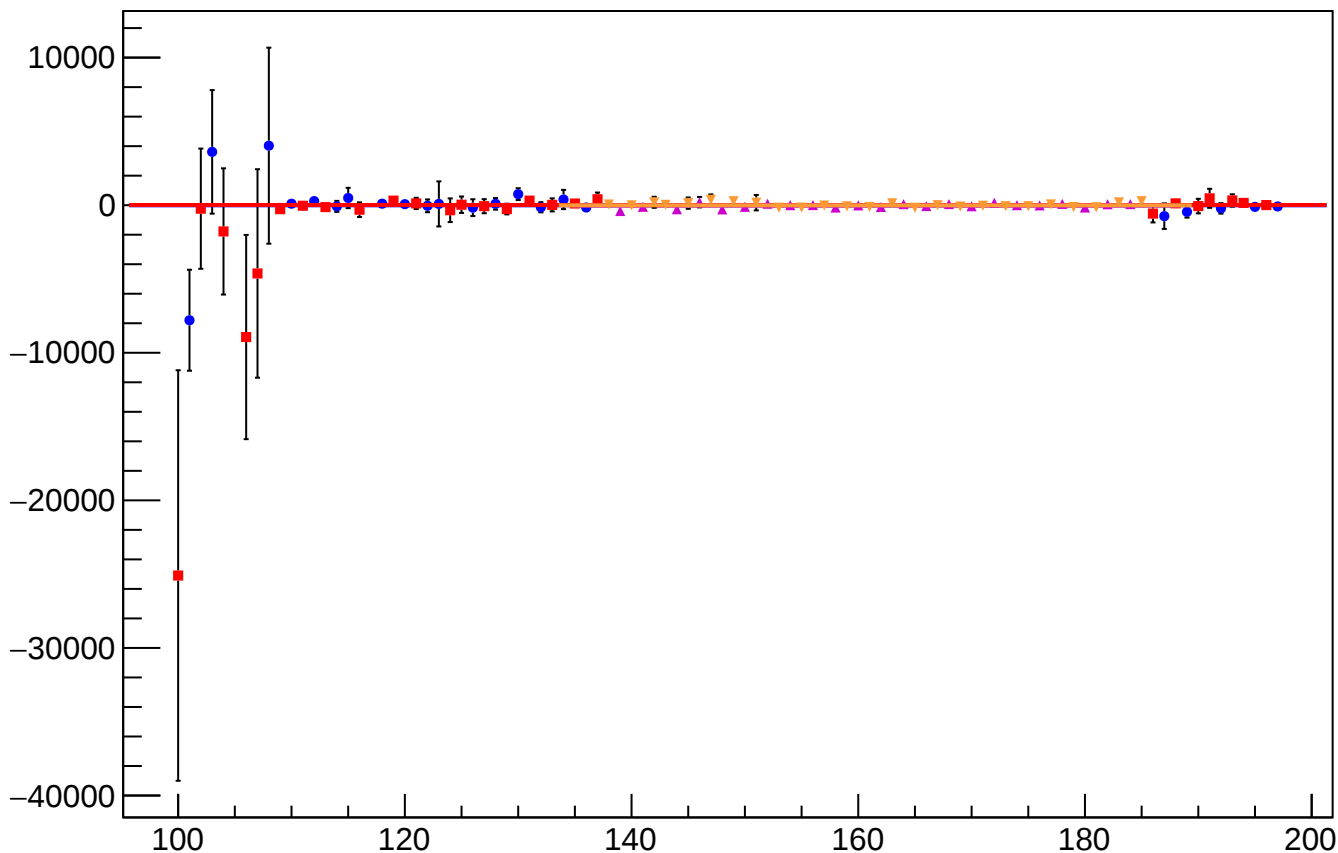
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF: 29389.5/22

+ sign 25.274 $\pm$ 0.003 χ^2 /NDF: 112006.8/46

All: 25.141 $\pm$ 0.002 χ^2 /NDF: 213446.2/95

- sign 25.012 $\pm$ 0.003 χ^2 /NDF: 98363.8/48

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -8.208 ± 67.285 χ^2/NDF : 16.7/21

Left Out: -11.432 ± 48.263 χ^2/NDF : 8.0/24

Right Out: 13.482 ± 64.795 χ^2/NDF : 14.7/25

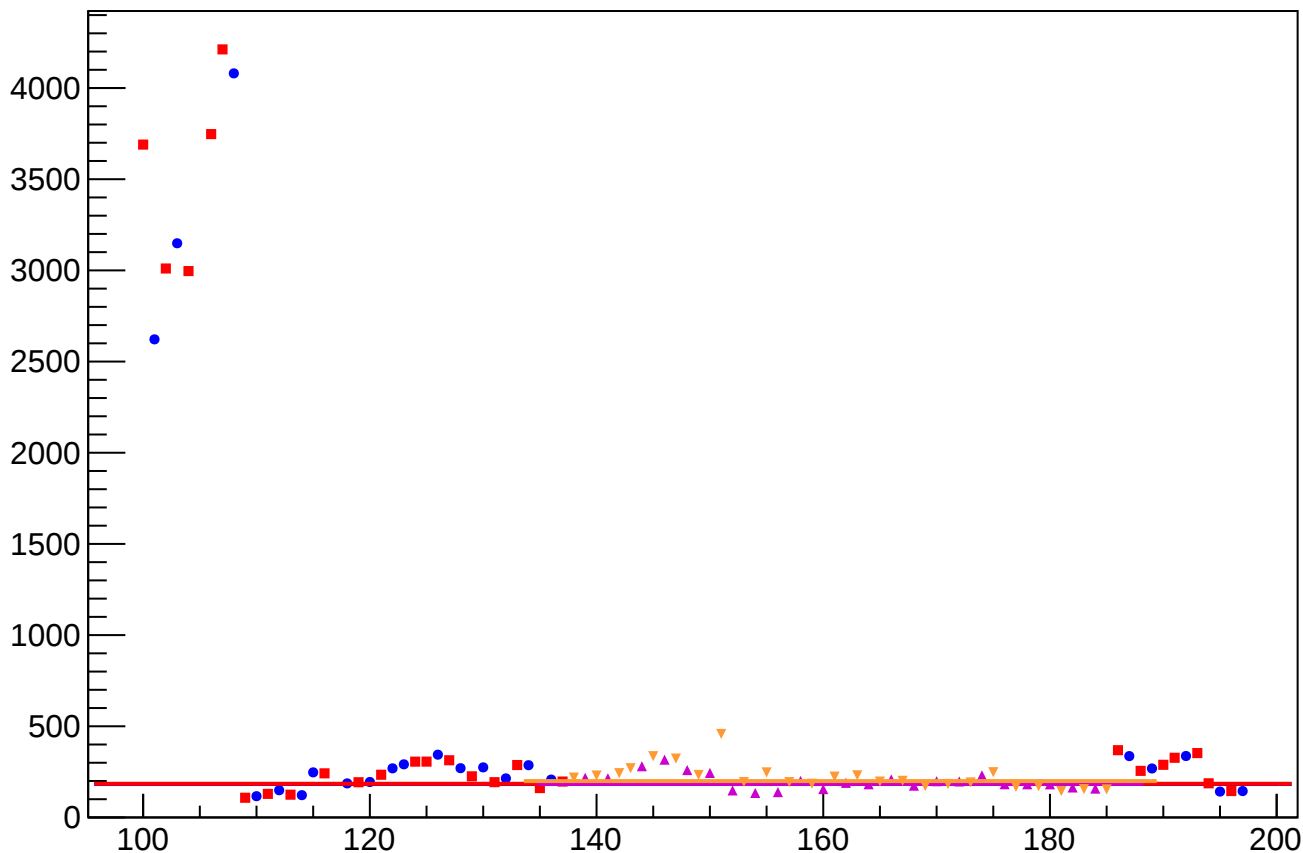
Left In: -27.098 ± 45.999 χ^2/NDF : 7.2/22

+ sign -10.337 ± 39.217 χ^2/NDF : 24.7/46

All: -11.989 ± 27.106 χ^2/NDF : 46.9/95

- sign -13.500 ± 37.508 χ^2/NDF : 22.1/48

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 183.318+/-0.048 χ^2/NDF : 4369437.8/21

Left Out: 199.438+/-0.034 χ^2/NDF : 1877848.7/24

Right Out: 184.644+/-0.046 χ^2/NDF : 5198979.9/25

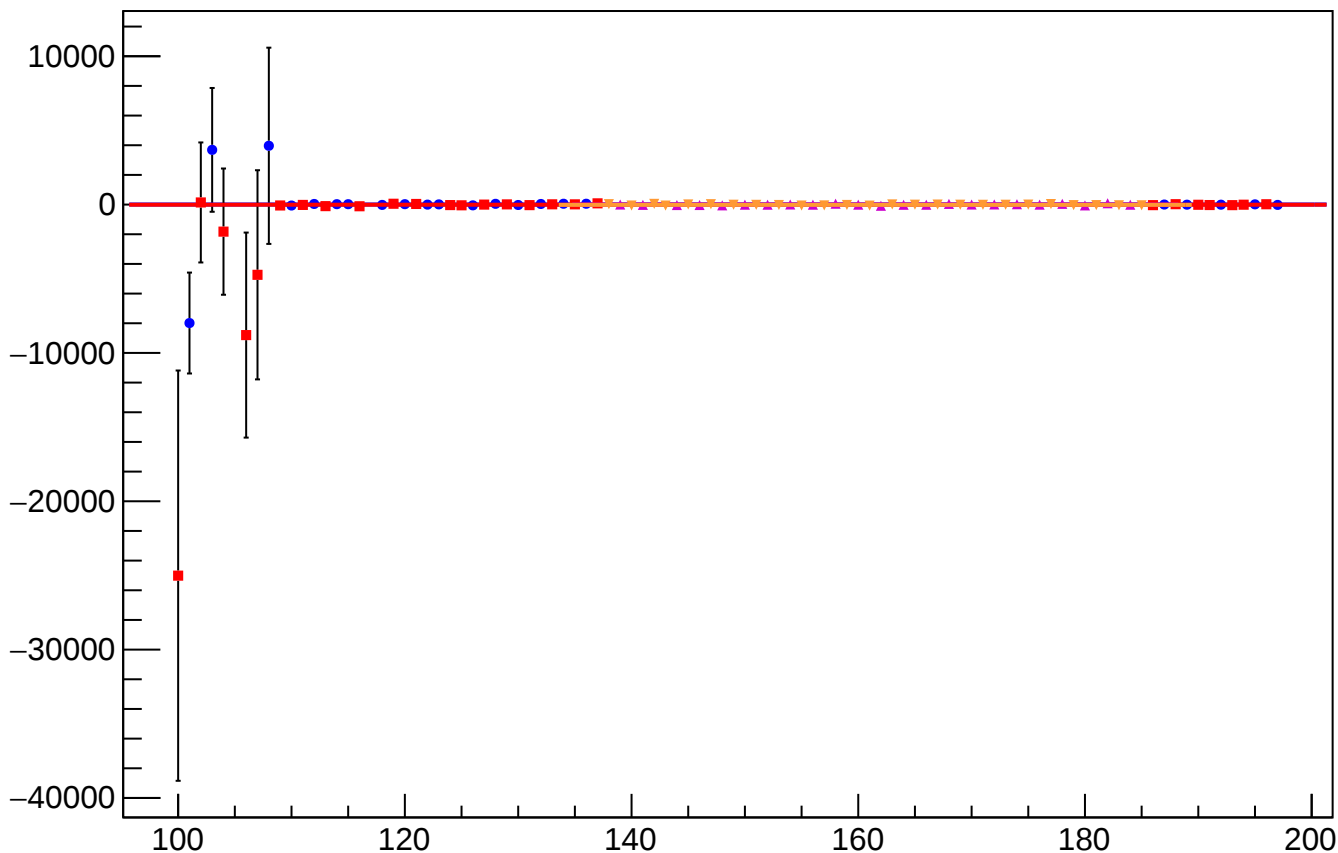
Left In: 183.805+/-0.033 χ^2/NDF : 1412869.6/22

+ sign 193.962+/-0.028 χ^2/NDF : 6323082.6/46

All: 188.804+/-0.019 χ^2/NDF : 13001393.4/95

- sign 184.086+/-0.027 χ^2/NDF : 6612072.2/48

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 5.594 ± 9.605 χ^2/NDF : 19.6/21

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -9.035 ± 9.081 χ^2/NDF : 27.6/25

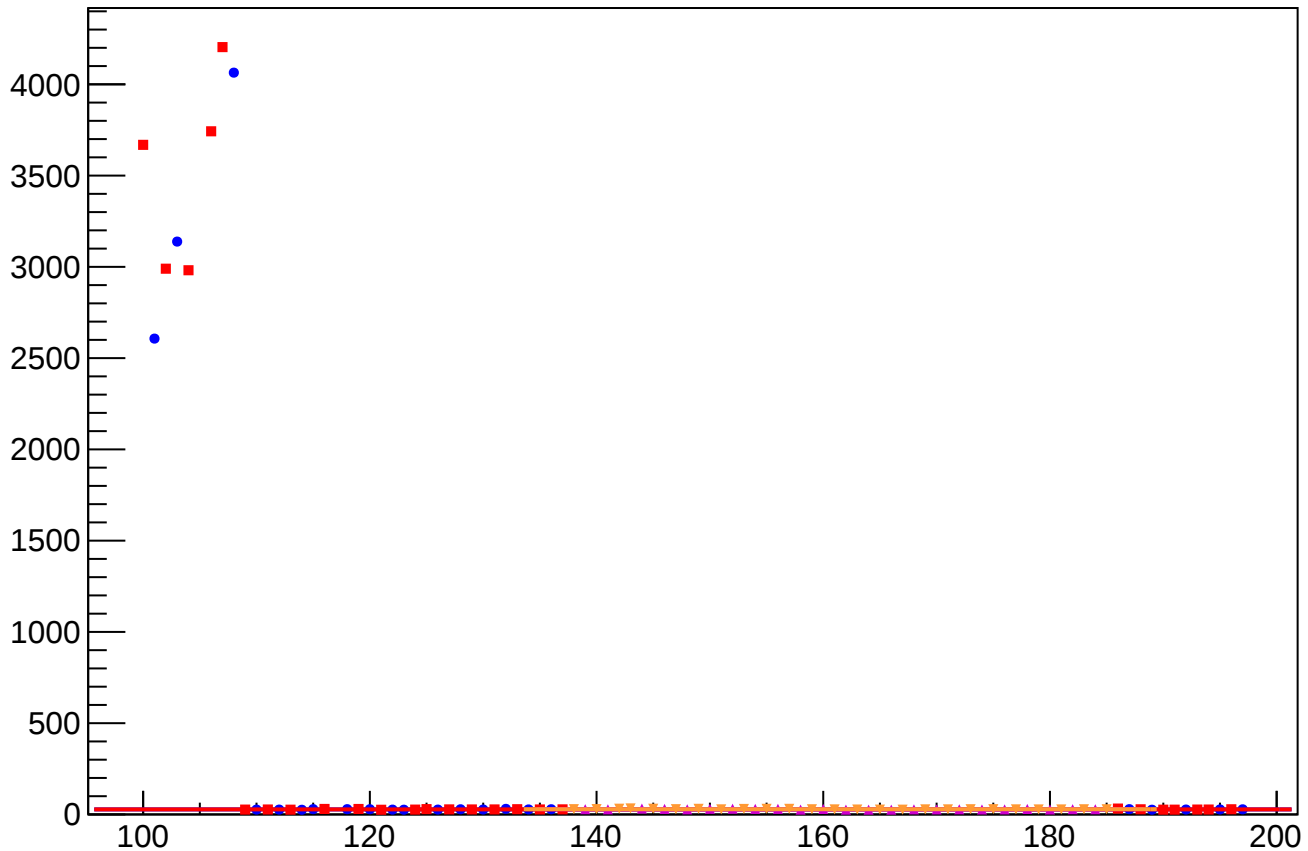
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -10.351 ± 5.497 χ^2/NDF : 45.4/46

All: -7.233 ± 3.887 χ^2/NDF : 106.1/95

- sign -4.115 ± 5.498 χ^2/NDF : 60.0/48

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.629 $\pm$ 0.007 χ^2 /NDF: 3034285.8/21

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.699 $\pm$ 0.006 χ^2 /NDF: 3500104.2/25

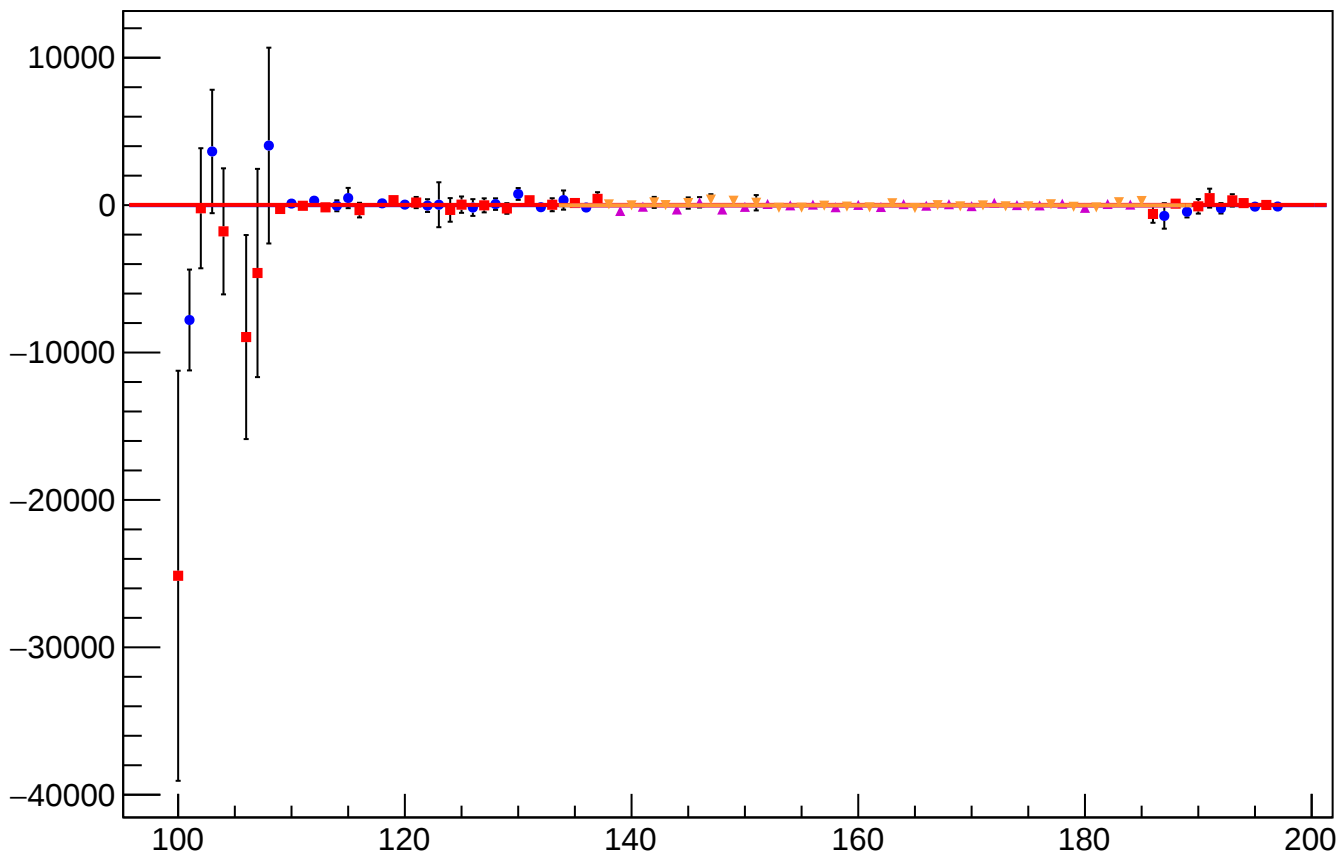
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.345 $\pm$ 0.004 χ^2 /NDF: 3161282.2/46

All: 28.332 $\pm$ 0.003 χ^2 /NDF: 6799902.7/95

- sign 28.318 $\pm$ 0.004 χ^2 /NDF: 3638597.3/48

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -4.264 ± 67.086 χ^2/NDF : 17.0/21

Left Out: -13.878 ± 48.155 χ^2/NDF : 8.8/24

Right Out: 16.914 ± 64.613 χ^2/NDF : 15.4/25

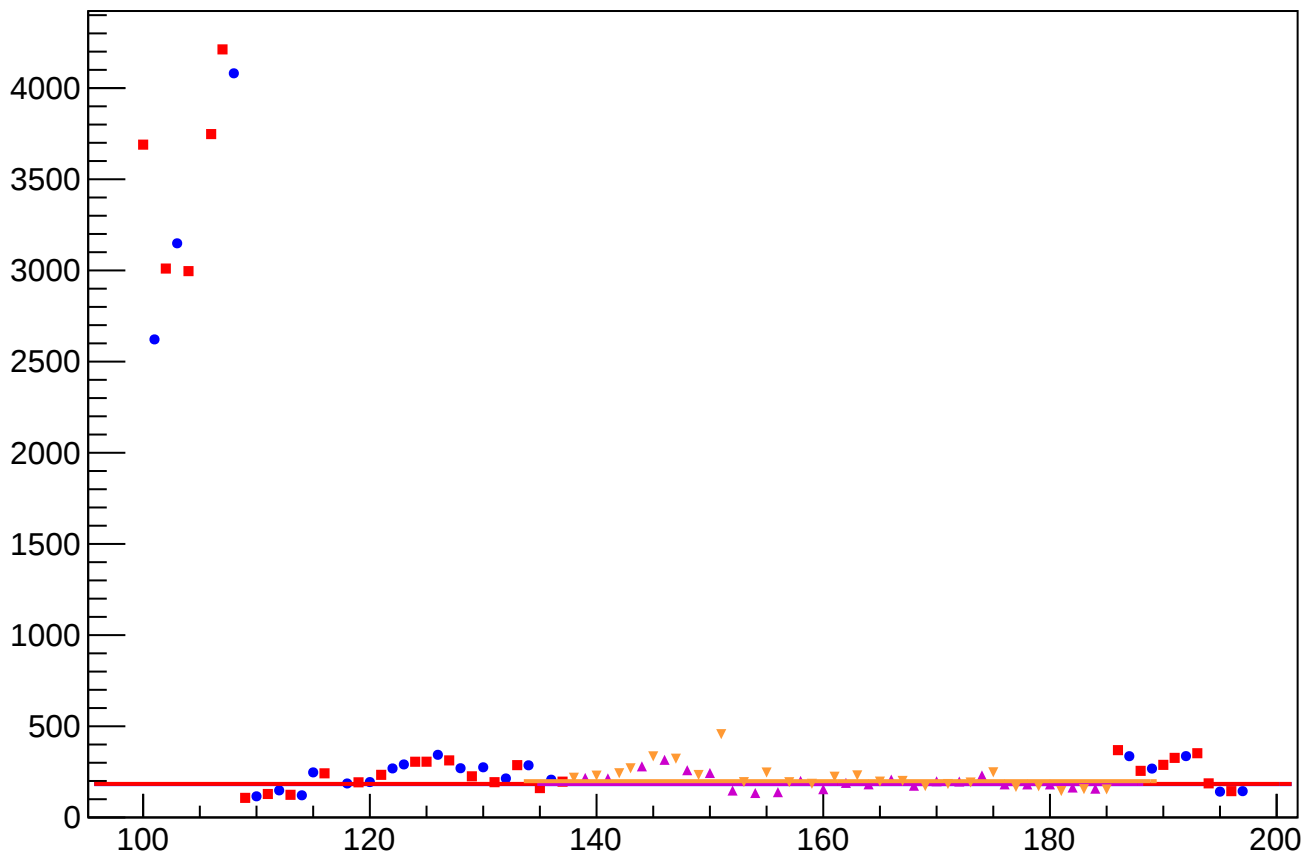
Left In: -27.286 ± 45.907 χ^2/NDF : 7.5/22

+ sign -10.609 ± 39.120 χ^2/NDF : 25.8/46

All: -11.575 ± 27.042 χ^2/NDF : 49.0/95

- sign -12.459 ± 37.423 χ^2/NDF : 23.2/48

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.697 $\pm$ 0.047 χ^2 /NDF: 4382534.5/21

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF:1877636.0/24

Right Out: 184.026 $\pm$ 0.046 χ^2 /NDF: 5217026.8/25

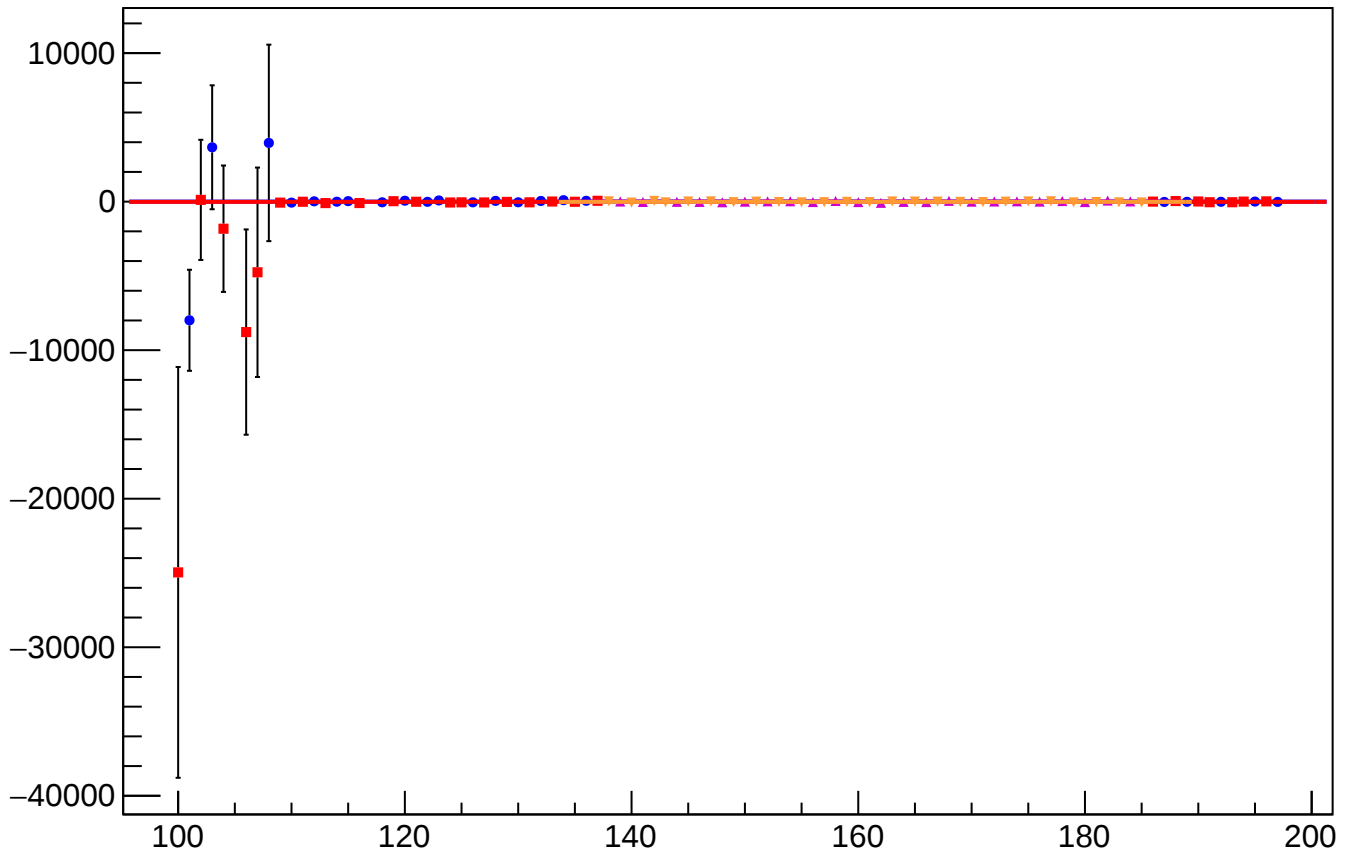
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF:1412341.8/22

+ sign 193.454 $\pm$ 0.028 χ^2 /NDF: 6338086.9/46

All: 188.328 $\pm$ 0.019 χ^2 /NDF: 13033317.4/95

- sign 183.638 $\pm$ 0.026 χ^2 /NDF: 6629477.5/48

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 2.697 $\pm$ 9.626 χ^2 /NDF: 23.6/21

Left Out: -15.829 $\pm$ 6.733 χ^2 /NDF:16.5/24

Right Out: -13.947 $\pm$ 9.109 χ^2 /NDF: 23.5/25

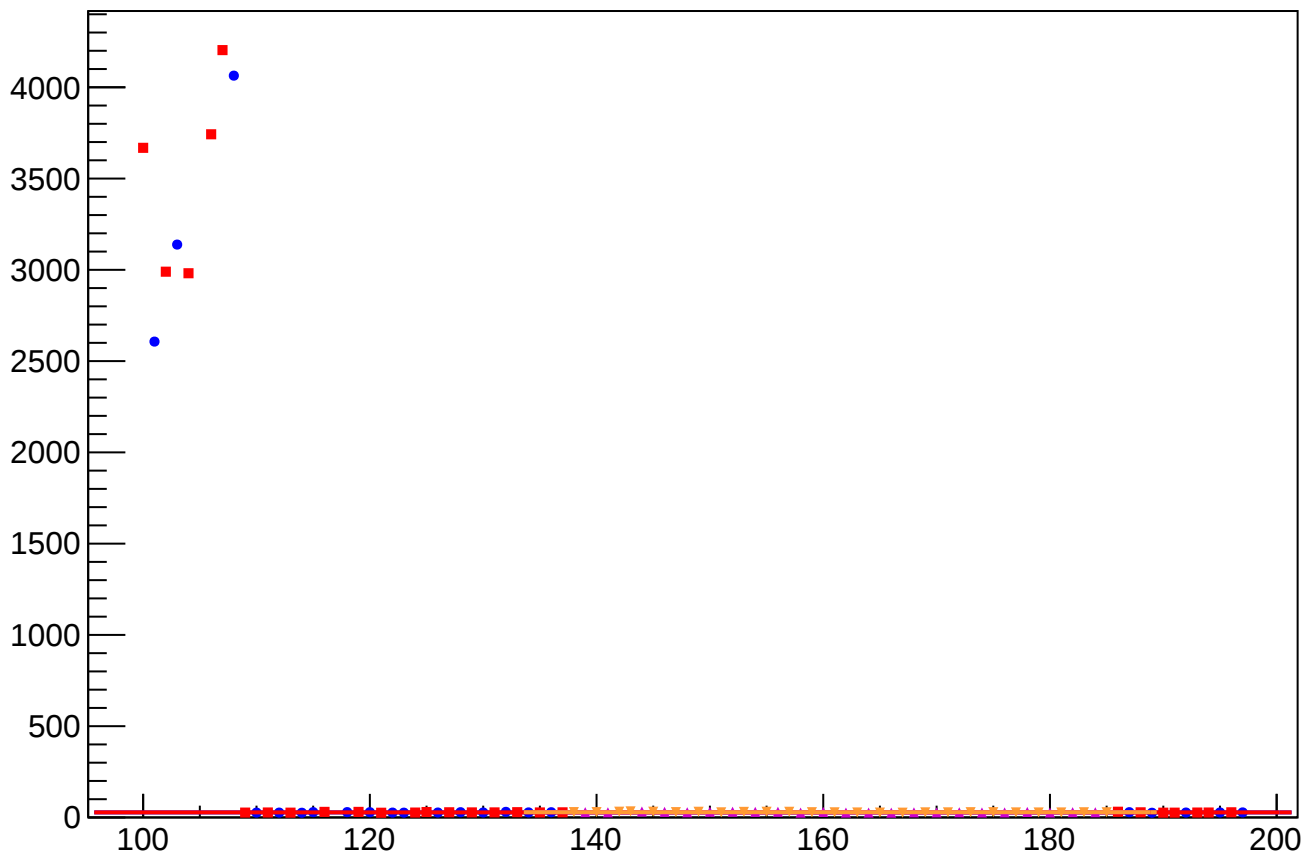
Left In: 0.498 $\pm$ 6.937 χ^2 /NDF:26.1/22

+ sign -9.743 $\pm$ 5.517 χ^2 /NDF: 42.5/46

All: -7.274 $\pm$ 3.902 χ^2 /NDF: 94.1/95

- sign -4.805 $\pm$ 5.519 χ^2 /NDF: 51.2/48

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.685 $\pm$ 0.007 χ^2 /NDF: 3036075.7/21

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.785 $\pm$ 0.006 χ^2 /NDF: 3497672.1/25

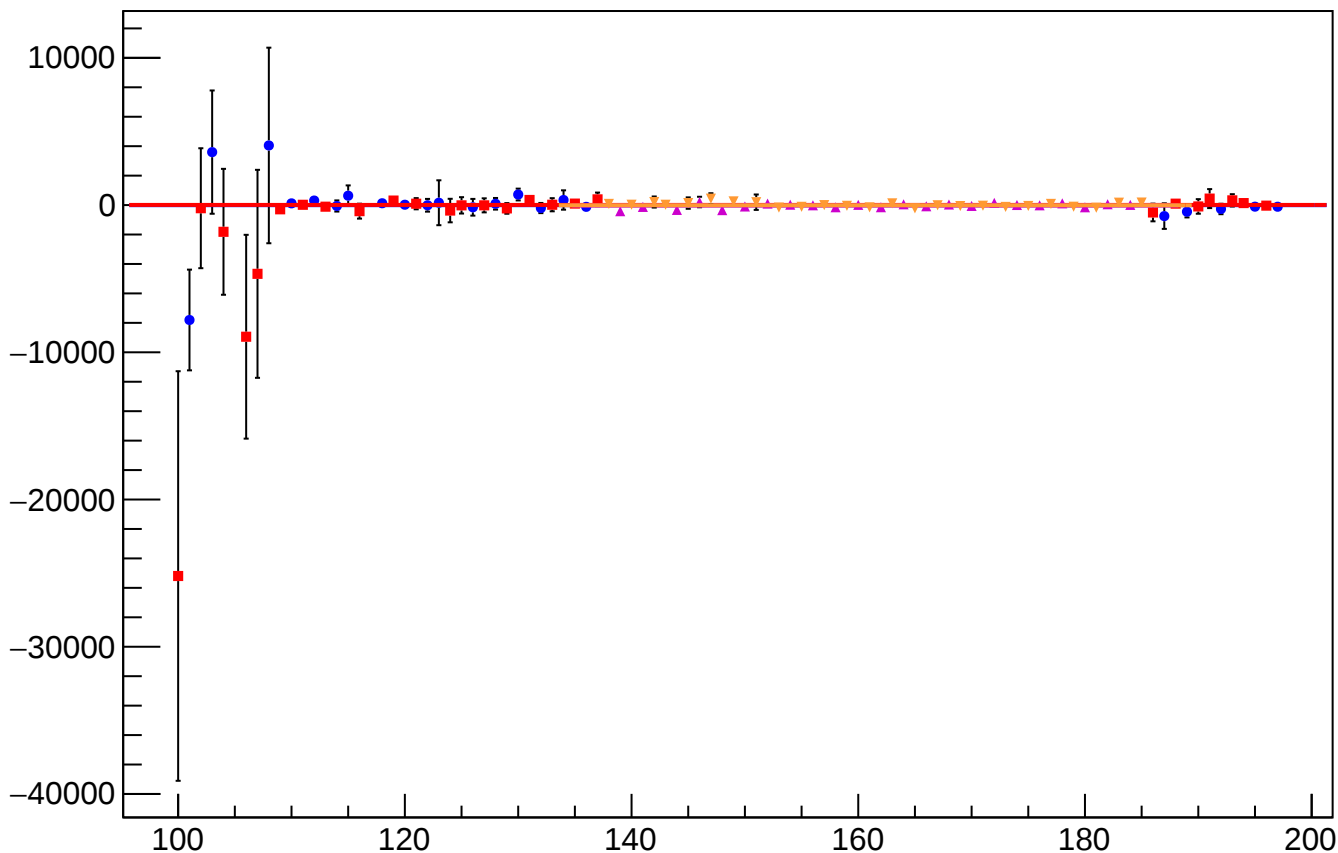
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.443 $\pm$ 0.004 χ^2 /NDF: 3176721.5/46

All: 28.434 $\pm$ 0.003 χ^2 /NDF: 6818320.2/95

- sign 28.426 $\pm$ 0.004 χ^2 /NDF: 3641588.6/48

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -6.495+/-67.642 χ^2/NDF : 17.4/21

Left Out: -13.966+/-48.735 χ^2/NDF : 8.1/24

Right Out: 10.464+/-65.285 χ^2/NDF : 14.6/25

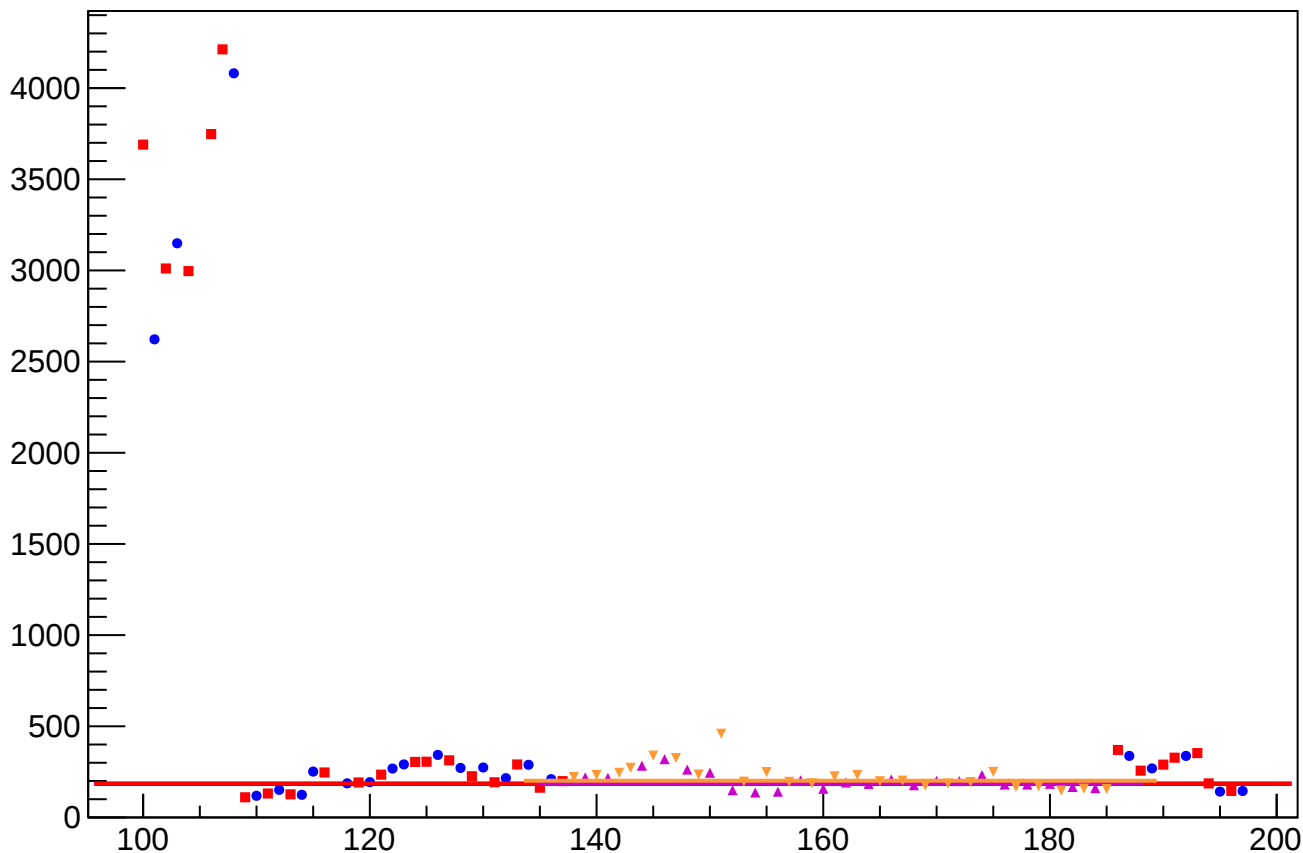
Left In: -31.477+/-46.483 χ^2/NDF : 7.8/22

+ sign -11.413+/-39.541 χ^2/NDF : 25.5/46

All: -14.519+/-27.348 χ^2/NDF : 48.2/95

- sign -17.368+/-37.866 χ^2/NDF : 22.7/48

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 184.435 $\pm$ 0.048 χ^2 /NDF: 4344764.8/21

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 186.400 $\pm$ 0.046 χ^2 /NDF: 5141293.6/25

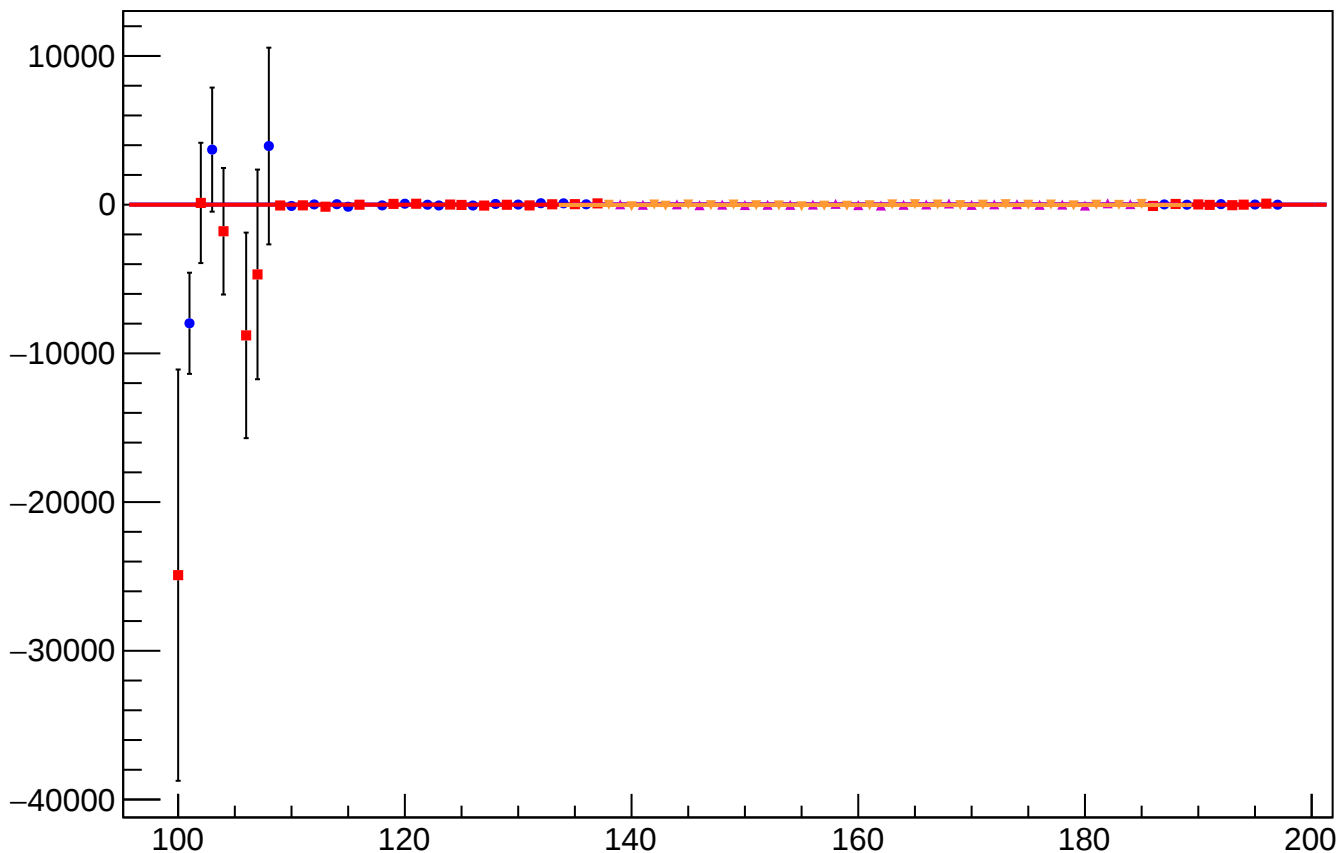
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 195.670 $\pm$ 0.028 χ^2 /NDF: 6283498.1/46

All: 190.654 $\pm$ 0.019 χ^2 /NDF: 12867461.2/95

- sign 186.054 $\pm$ 0.027 χ^2 /NDF: 6522255.7/48

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 8.957 ± 11.737 χ^2/NDF : 20.9/21

Left Out: -24.144 ± 8.076 χ^2/NDF : 24.9/24

Right Out: -1.557 ± 11.090 χ^2/NDF : 29.6/25

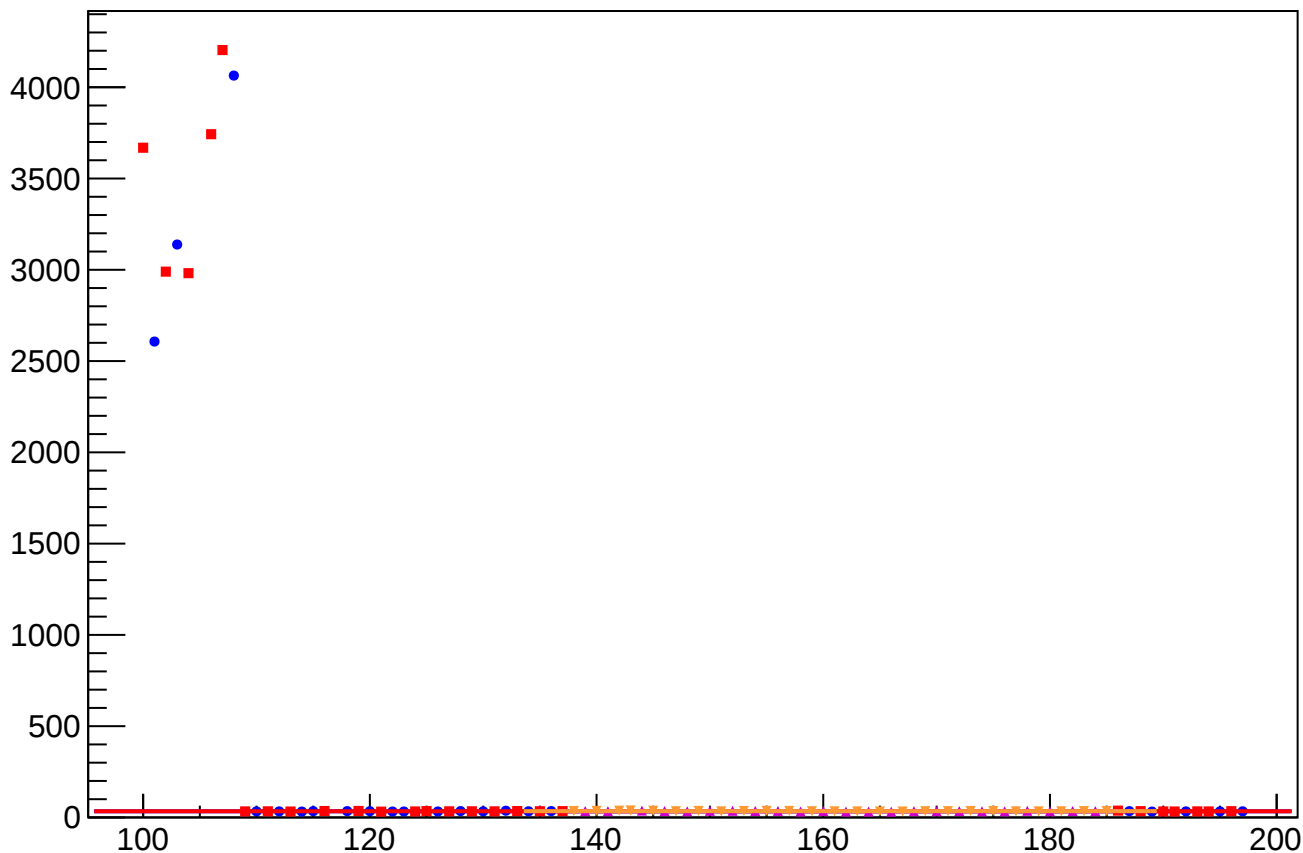
Left In: 5.924 ± 8.340 χ^2/NDF : 21.0/22

+ sign -13.507 ± 6.653 χ^2/NDF : 51.2/46

All: -5.158 ± 4.709 χ^2/NDF : 105.2/95

- sign 3.221 ± 6.665 χ^2/NDF : 50.9/48

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.788 $\pm$ 0.008 χ^2 /NDF: 3011075.0/21

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.889 $\pm$ 0.008 χ^2 /NDF: 3462359.5/25

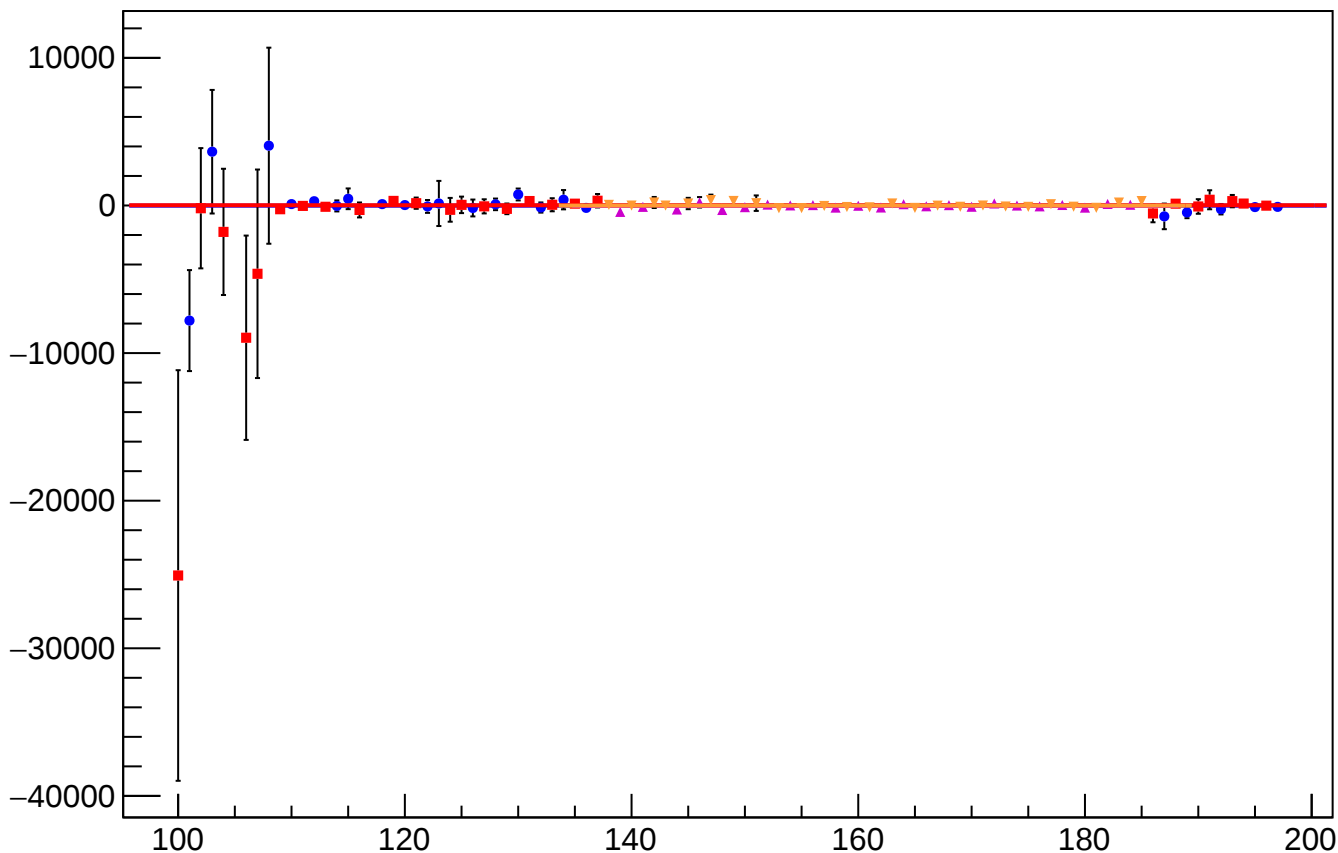
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.351 $\pm$ 0.005 χ^2 /NDF: 3075725.5/46

All: 34.373 $\pm$ 0.003 χ^2 /NDF: 6604489.4/95

- sign 34.395 $\pm$ 0.005 χ^2 /NDF: 3528719.1/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -12.091 ± 67.415 χ^2/NDF : 16.9/21

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 16.957 ± 64.952 χ^2/NDF : 13.3/25

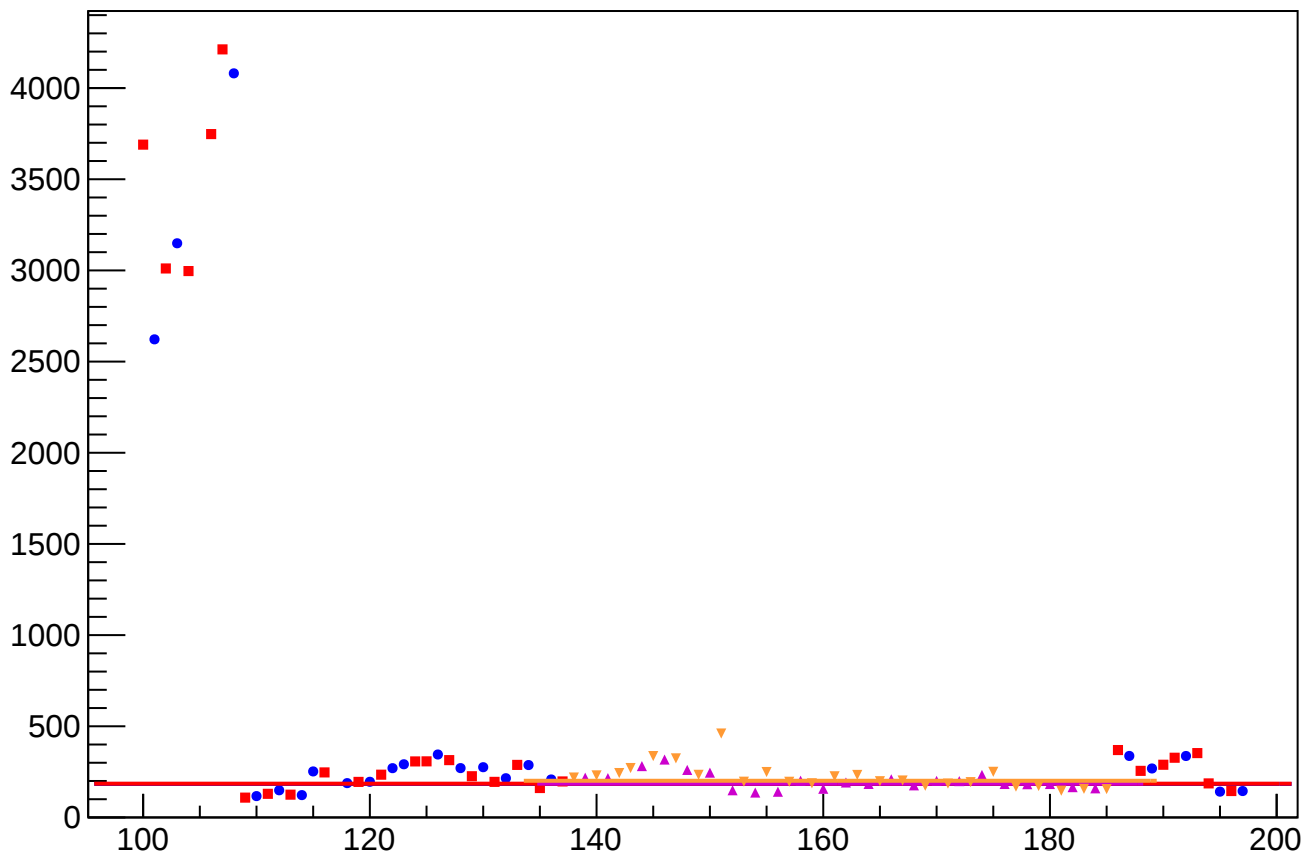
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -9.111 ± 39.457 χ^2/NDF : 25.6/46

All: -13.447 ± 27.283 χ^2/NDF : 46.5/95

- sign -17.419 ± 37.767 χ^2/NDF : 20.8/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 183.639 $\pm$ 0.048 χ^2 /NDF: 4376497.1/21

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF: 1848437.4/24

Right Out: 185.115 $\pm$ 0.046 χ^2 /NDF: 5198464.5/25

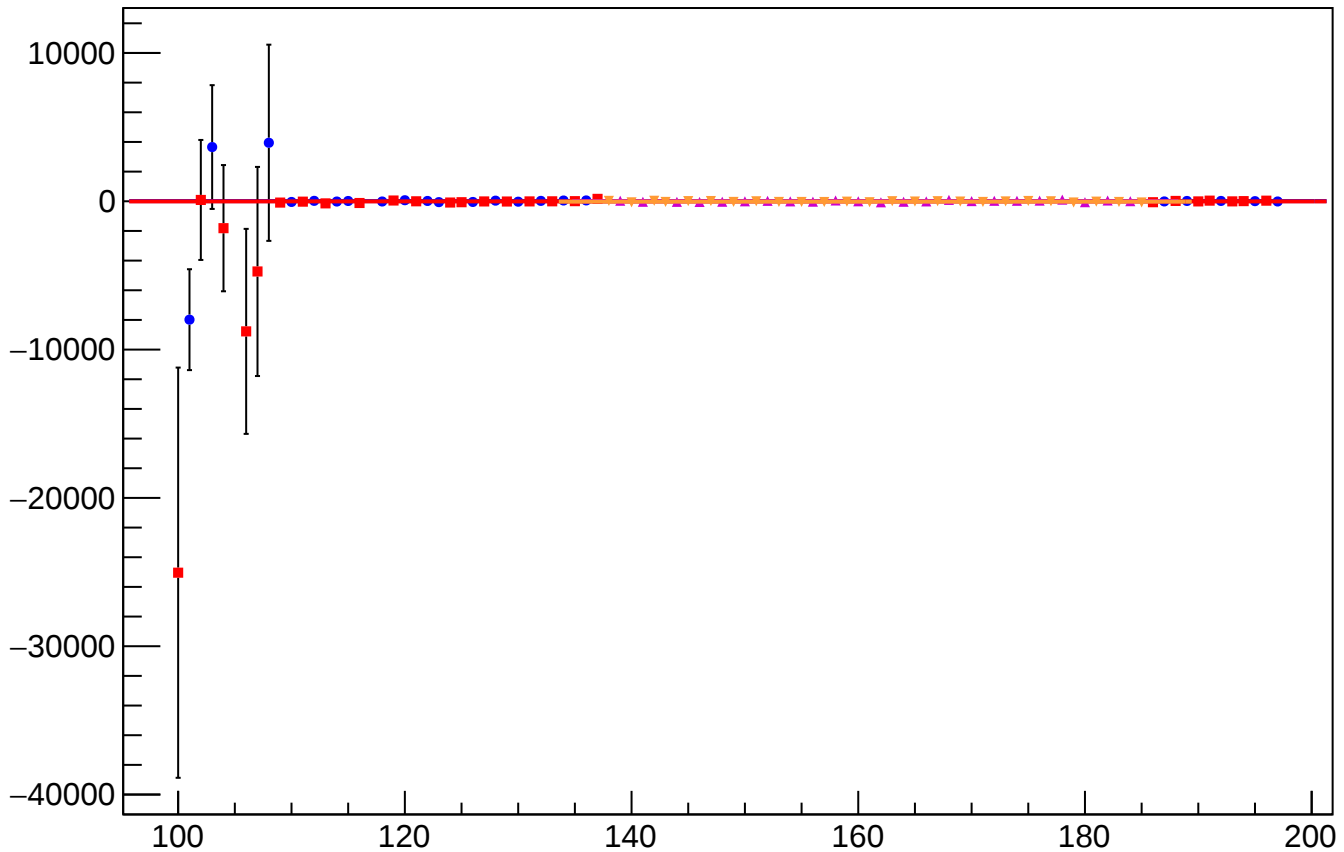
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 195.183 $\pm$ 0.028 χ^2 /NDF: 6314141.0/46

All: 190.106 $\pm$ 0.019 χ^2 /NDF: 12947558.4/95

- sign 185.454 $\pm$ 0.027 χ^2 /NDF: 6569958.0/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.363+/-10.658 χ^2/NDF : 15.6/21

Left Out: -23.320+/-7.352 χ^2/NDF : 18.3/24

Right Out: -7.340+/-10.065 χ^2/NDF : 33.5/25

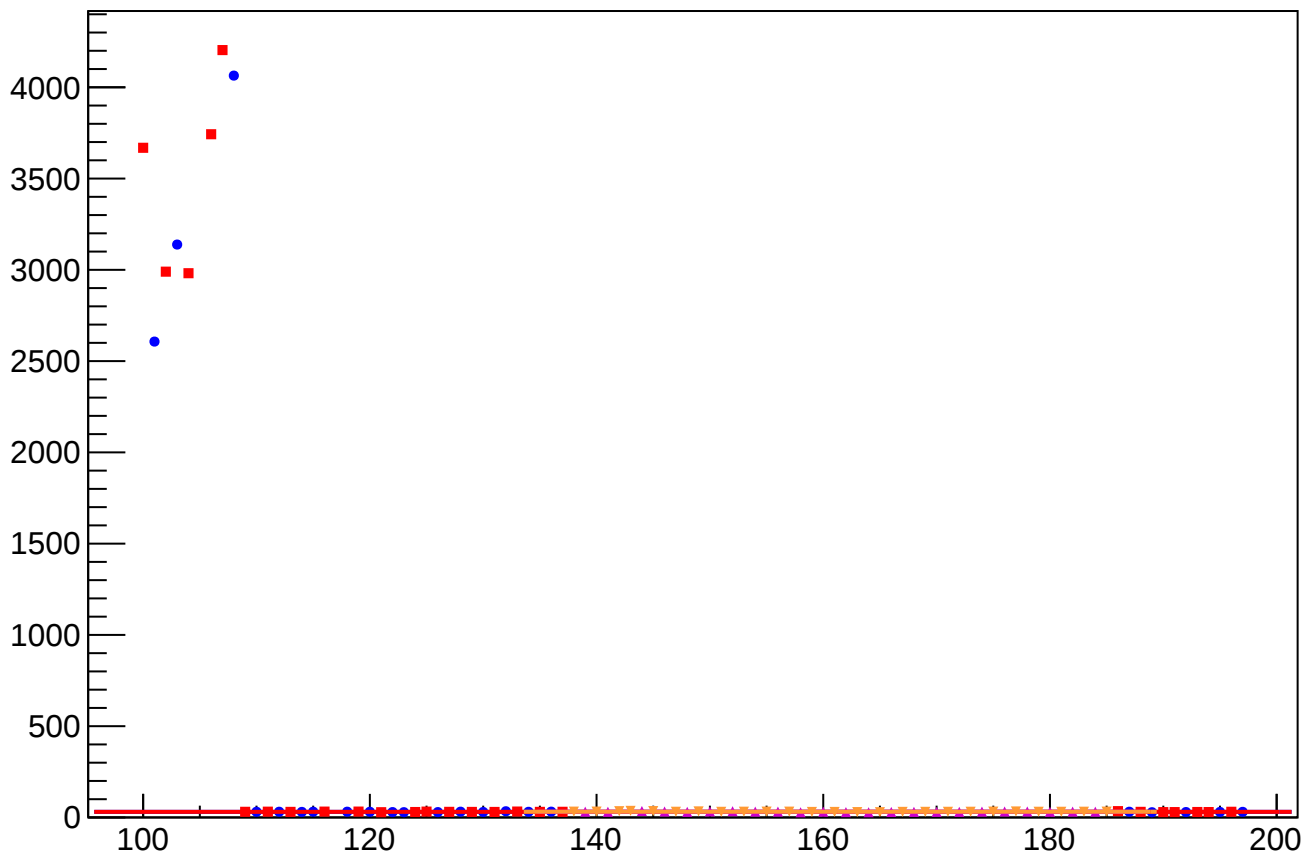
Left In: 6.386+/-7.577 χ^2/NDF : 38.7/22

+ sign -11.815+/-6.052 χ^2/NDF : 41.5/46

All: -5.199+/-4.280 χ^2/NDF : 117.2/95

- sign 1.421+/-6.053 χ^2/NDF : 73.4/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.672 $\pm$ 0.008 χ^2 /NDF: 3024323.0/21

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.730 $\pm$ 0.007 χ^2 /NDF: 3475793.2/25

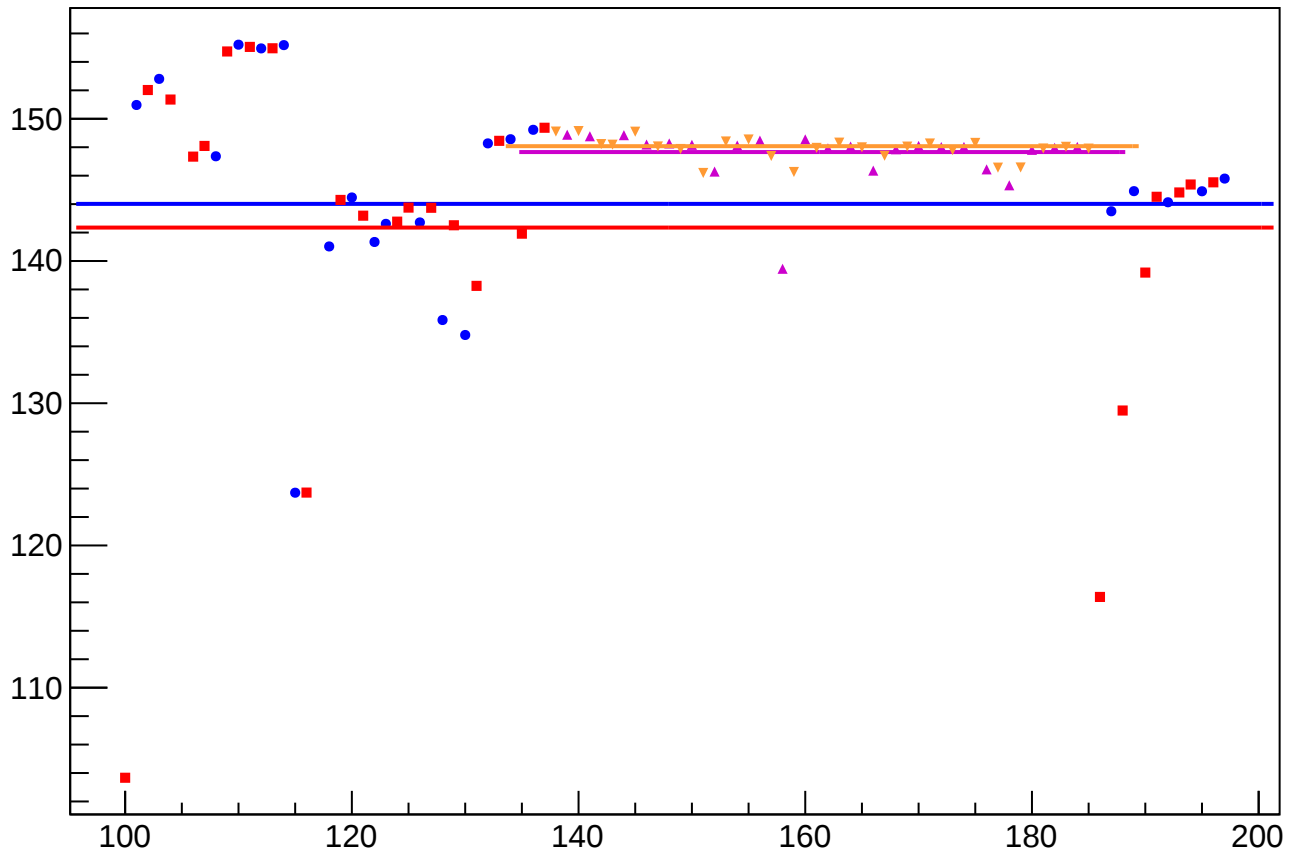
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.225 $\pm$ 0.004 χ^2 /NDF: 3114214.0/46

All: 31.215 $\pm$ 0.003 χ^2 /NDF: 6684821.0/95

- sign 31.206 $\pm$ 0.004 χ^2 /NDF: 3570596.6/48

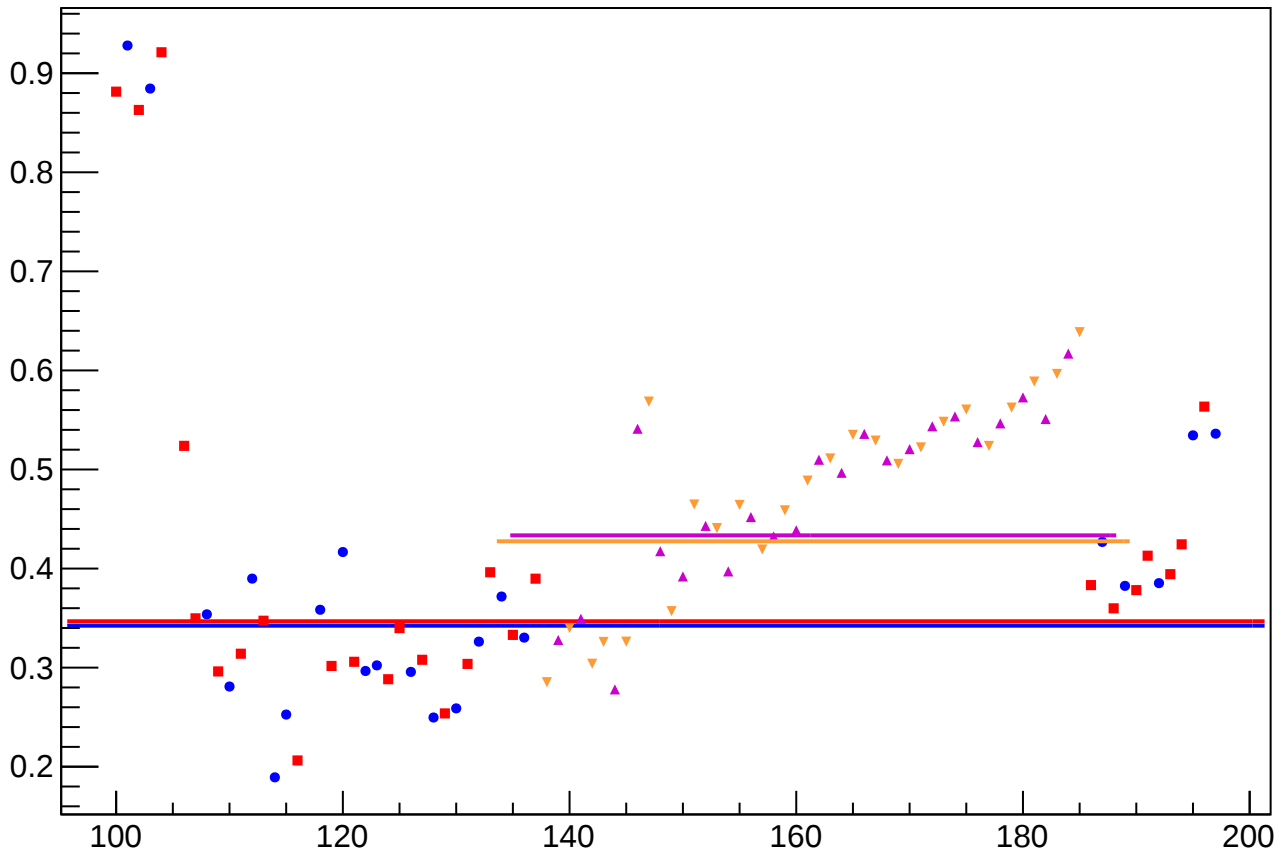
yield_bcm_an_ds_mean vs Slug



Right In: 144.017 ± 0.000 χ^2/NDF : 3460826086.9/21
 Left Out: 148.074 ± 0.000 χ^2/NDF : 65673678.9/24
 Right Out: 142.351 ± 0.000 χ^2/NDF : 7330691401.1/25
 Left In: 147.660 ± 0.000 χ^2/NDF : 343892338.9/22

+ sign 146.329 ± 0.000 χ^2/NDF : 4182080345.1/46
 All: 145.701 ± 0.000 χ^2/NDF : 13155372186.
 - sign 145.089 ± 0.000 χ^2/NDF : 8846850005.4/48

yield_bcm_an_ds_rms vs Slug



Right In: 0.342 ± 0.000 χ^2/NDF : 1743748.6/21

Left Out: 0.428 ± 0.000 χ^2/NDF : 1892802.8/24

Right Out: 0.347 ± 0.000 χ^2/NDF : 1599454.9/25

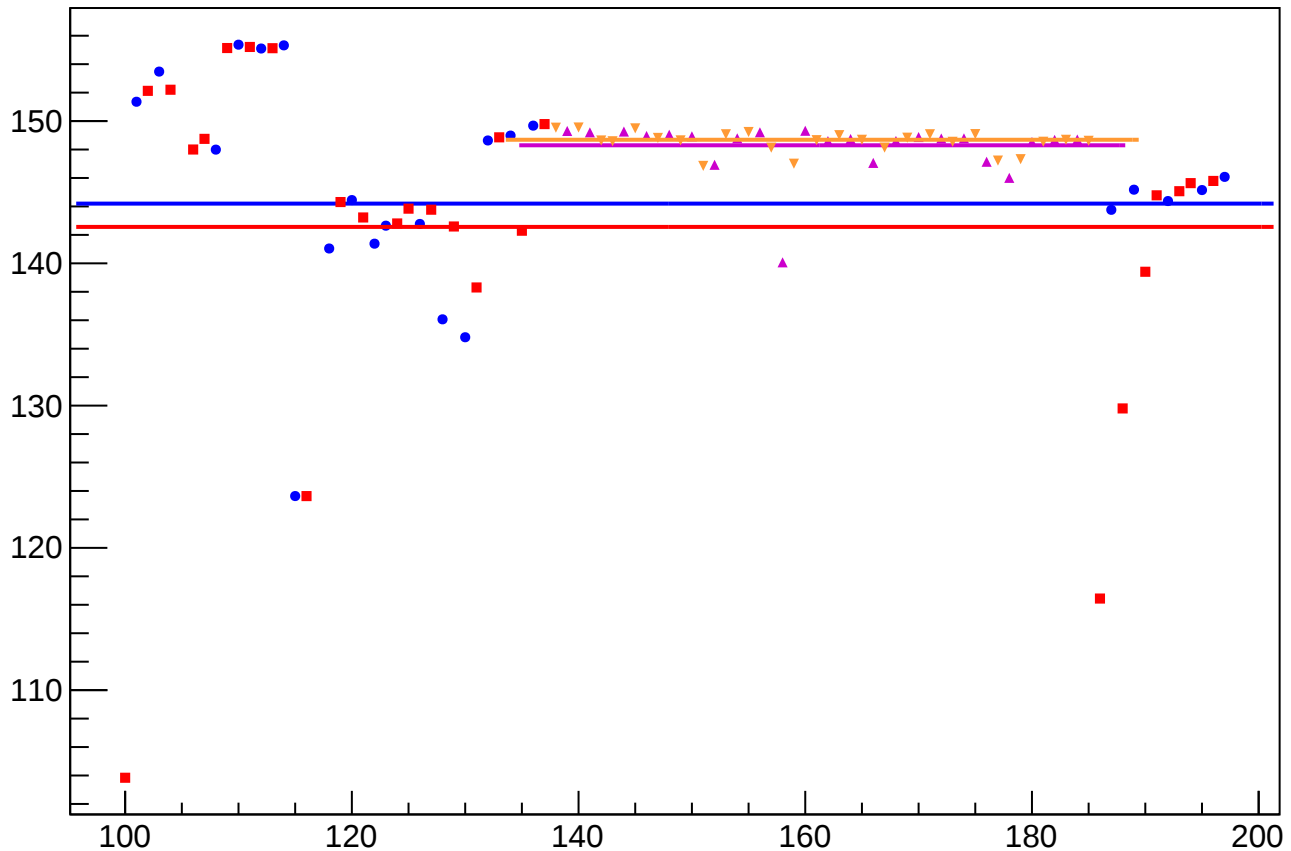
Left In: 0.434 ± 0.000 χ^2/NDF : 1479367.0/22

+ sign 0.391 ± 0.000 χ^2/NDF : 4214215.7/46

All: 0.391 ± 0.000 χ^2/NDF : 7918314.2/95

- sign 0.392 ± 0.000 χ^2/NDF : 3704035.3/48

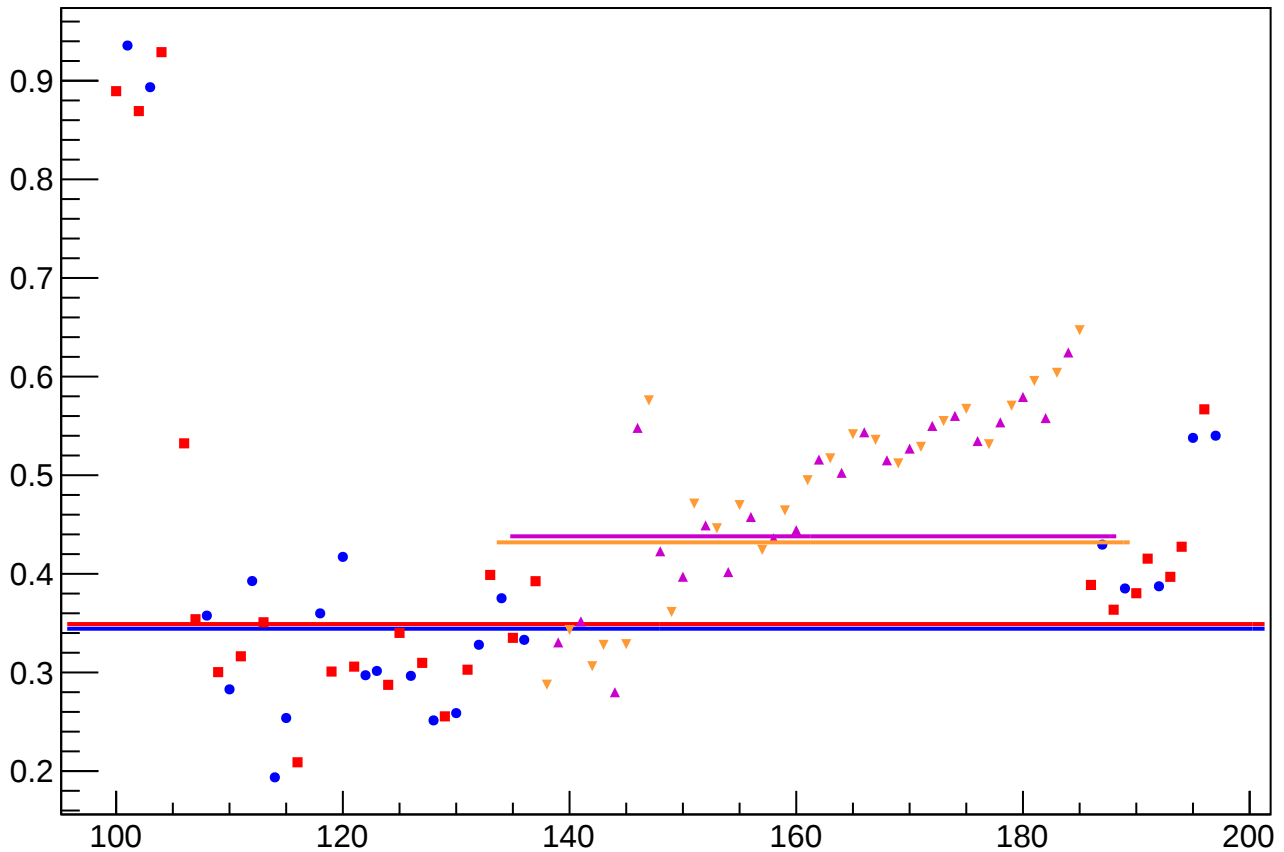
yield_bcm_an_ds3_mean vs Slug



Right In: 144.198+/-0.000 χ^2/NDF : 3506506632.6/21
 Left Out: 148.687+/-0.000 χ^2/NDF : 52285197.5/24
 Right Out: 142.561+/-0.000 χ^2/NDF : 7276046434.0/25
 Left In: 148.298+/-0.000 χ^2/NDF : 332527463.6/22

+ sign 146.746+/-0.000 χ^2/NDF : 4348518218.0/46
 All: 146.119+/-0.000 χ^2/NDF : 13425911042.0/47
 - sign 145.508+/-0.000 χ^2/NDF : 8953464835.4/48

yield_bcm_an_ds3_rms vs Slug



Right In: 0.344 ± 0.000 $\chi^2/\text{NDF}: 1746771.8/21$

Left Out: 0.432 ± 0.000 $\chi^2/\text{NDF}: 1924979.0/24$

Right Out: 0.349 ± 0.000 $\chi^2/\text{NDF}: 1604212.2/25$

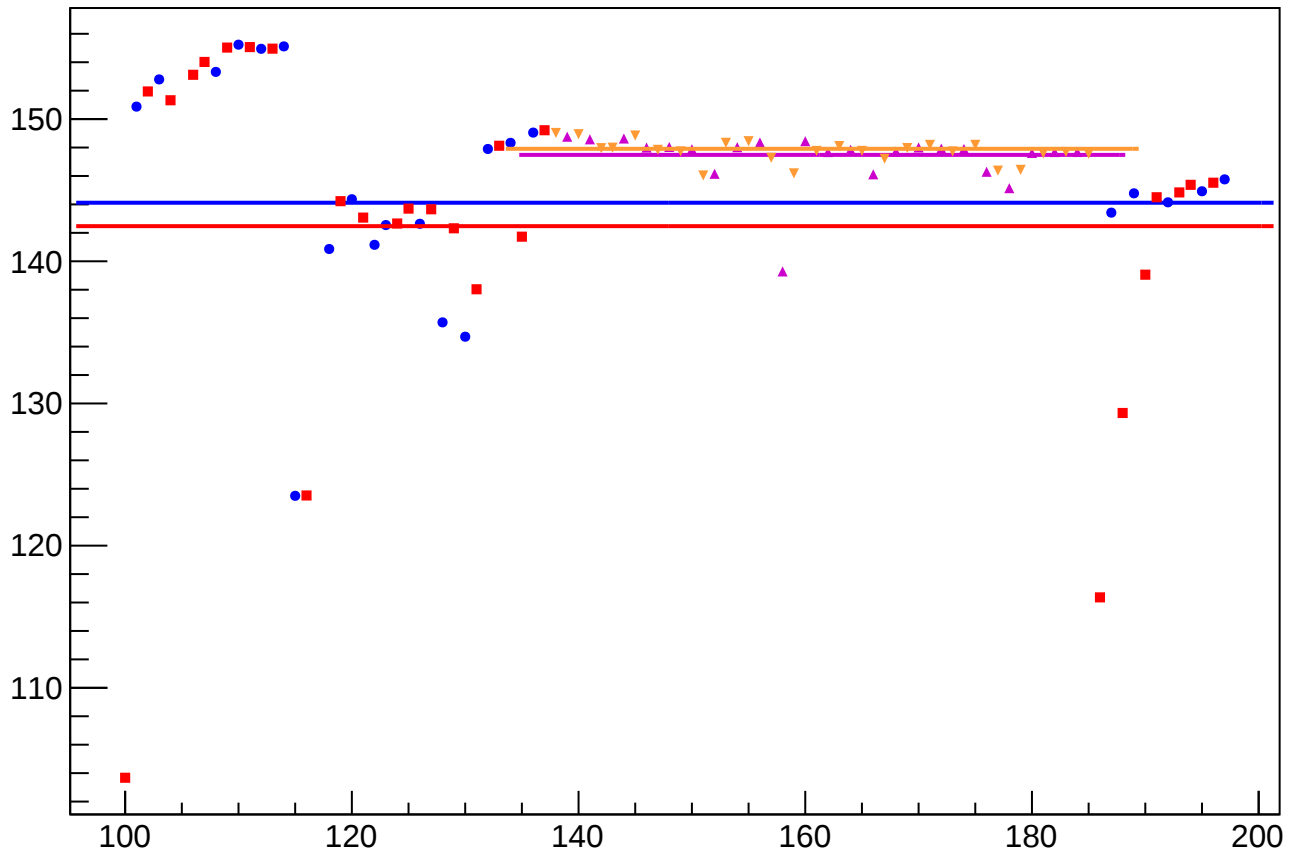
Left In: 0.438 ± 0.000 $\chi^2/\text{NDF}: 1504635.6/22$

+ sign 0.394 ± 0.000 $\chi^2/\text{NDF}: 4272761.6/46$

All: 0.394 ± 0.000 $\chi^2/\text{NDF}: 8028429.3/95$

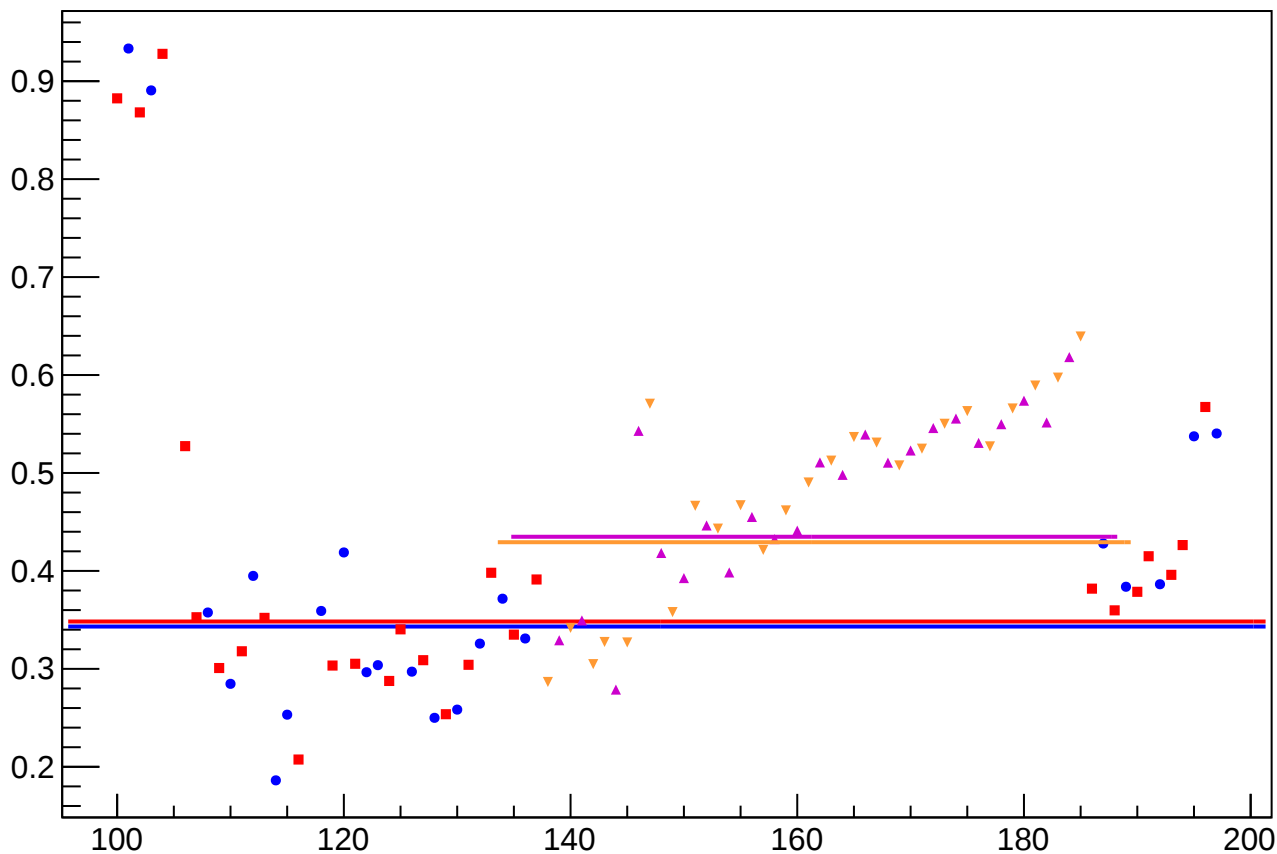
- sign 0.395 ± 0.000 $\chi^2/\text{NDF}: 3755579.9/48$

yield_bcm_an_us_mean vs Slug



Right In: 144.118 $\pm$ 0.000	χ^2 /NDF: 3671315963.7/21	+ sign 146.279 $\pm$ 0.000	χ^2 /NDF: 4304874449.3/46
Left Out: 147.912 $\pm$ 0.000	χ^2 /NDF: 64463426.1/24	All: 145.661 $\pm$ 0.000	χ^2 /NDF: 13523438427.
Right Out: 142.471 $\pm$ 0.000	χ^2 /NDF: 7717637527.5/25	- sign 145.059 $\pm$ 0.000	χ^2 /NDF: 9097113239.6/48
Left In: 147.483 $\pm$ 0.000	χ^2 /NDF: 342674720.4/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.343 ± 0.000 χ^2/NDF : 1764417.2/21

Left Out: 0.429 ± 0.000 χ^2/NDF : 1891709.3/24

Right Out: 0.348 ± 0.000 χ^2/NDF : 1602592.3/25

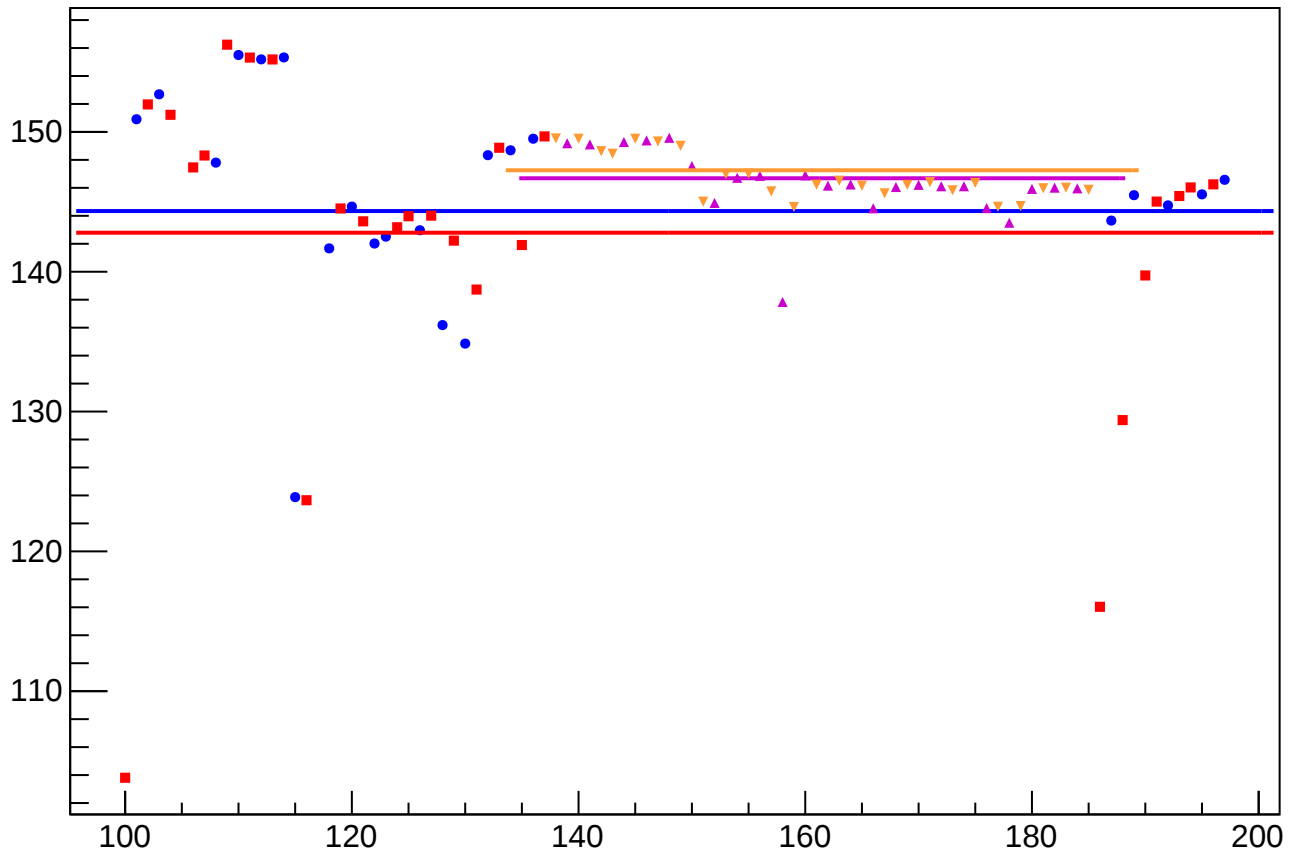
Left In: 0.435 ± 0.000 χ^2/NDF : 1485915.1/22

+ sign 0.392 ± 0.000 χ^2/NDF : 4242269.9/46

All: 0.393 ± 0.000 χ^2/NDF : 7948683.2/95

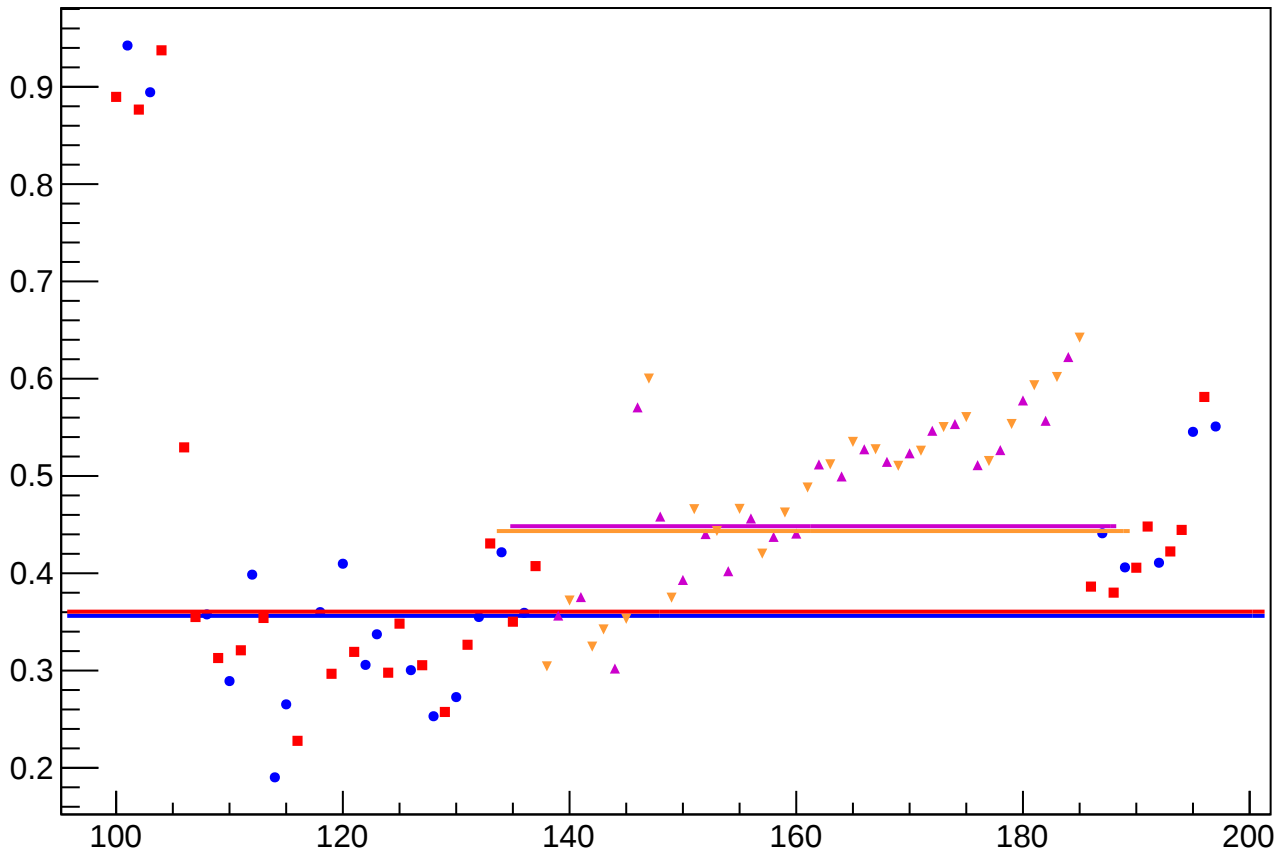
- sign 0.393 ± 0.000 χ^2/NDF : 3706312.2/48

yield_bcm_dg_us_mean vs Slug



Right In: 144.340+/-0.000	χ^2/NDF : 3180815205.9/21	+ sign 146.017+/-0.000	χ^2/NDF : 3757305195.8/46
Left Out: 147.257+/-0.000	χ^2/NDF : 261906278.3/24	All: 145.412+/-0.000	χ^2/NDF : 12042371972.
Right Out: 142.791+/-0.000	χ^2/NDF : 7033034622.5/25	- sign 144.823+/-0.000	χ^2/NDF : 8175748536.9/48
Left In: 146.685+/-0.000	χ^2/NDF : 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.356 ± 0.000 $\chi^2/\text{NDF}: 1735527.4/21$

Left Out: 0.443 ± 0.000 $\chi^2/\text{NDF}: 1480479.3/24$

Right Out: 0.361 ± 0.000 $\chi^2/\text{NDF}: 1587539.3/25$

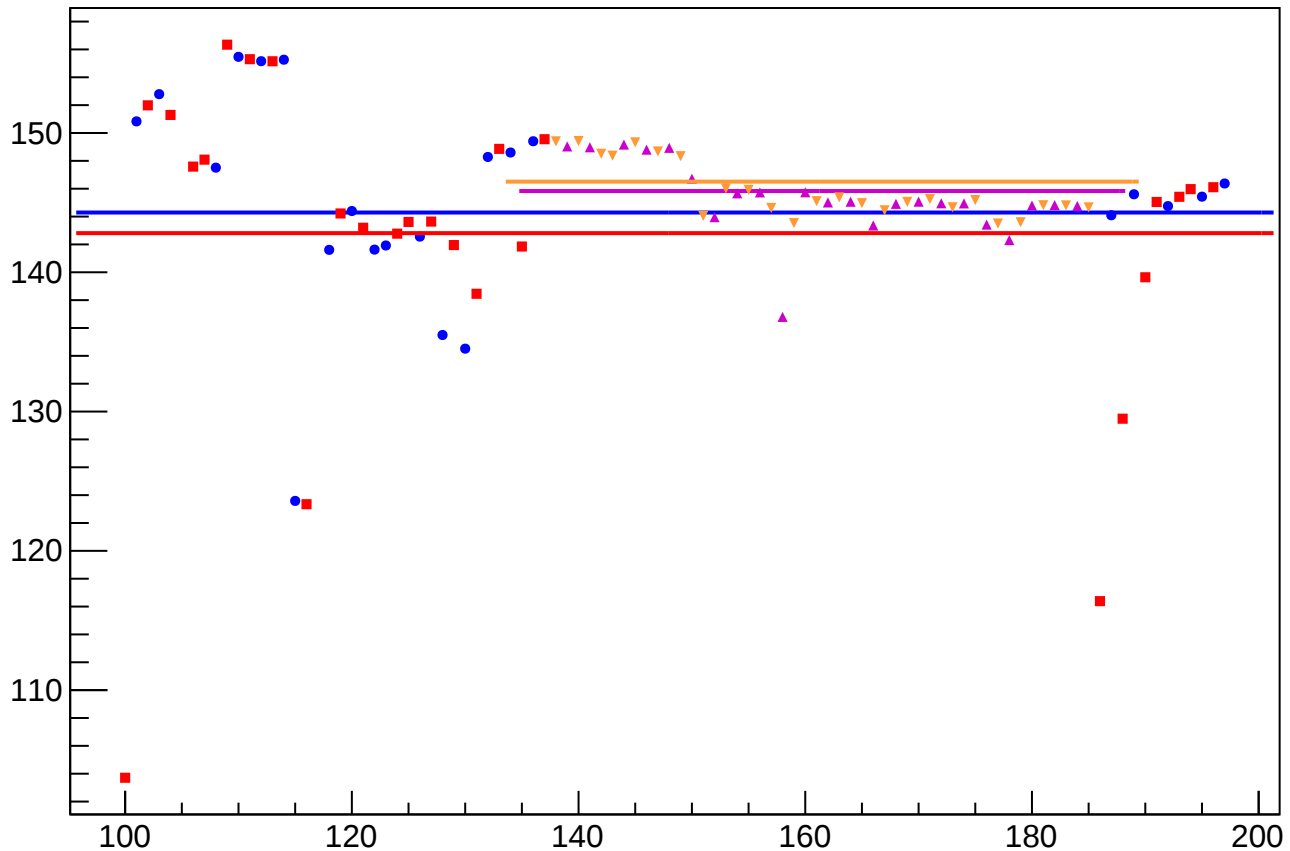
Left In: 0.448 ± 0.000 $\chi^2/\text{NDF}: 1120261.8/22$

+ sign 0.406 ± 0.000 $\chi^2/\text{NDF}: 3777450.6/46$

All: 0.406 ± 0.000 $\chi^2/\text{NDF}: 7083315.9/95$

- sign 0.406 ± 0.000 $\chi^2/\text{NDF}: 3305864.9/48$

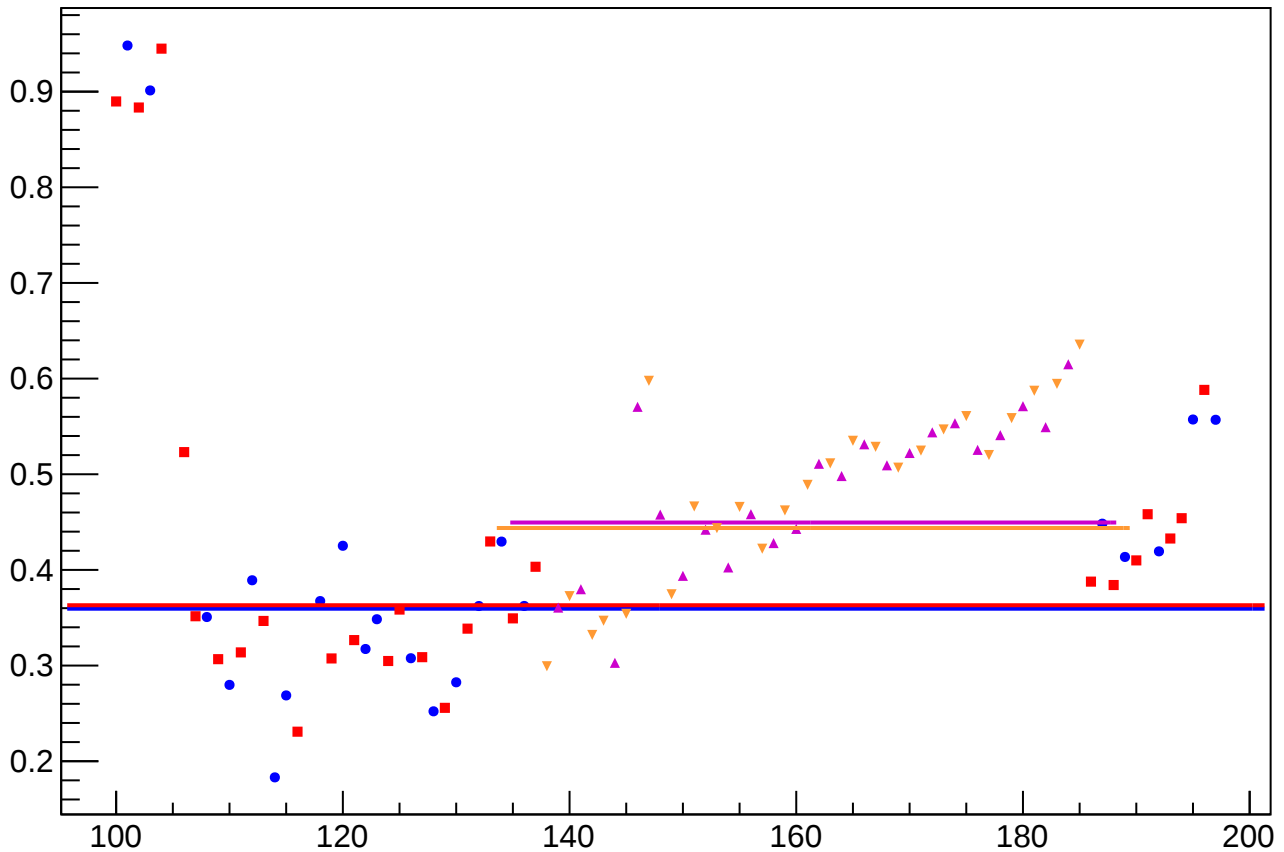
yield_bcm_dg_ds_mean vs Slug



Right In: 144.290 ± 0.000 χ^2/NDF : 3299111763.3/21
 Left Out: 146.508 ± 0.000 χ^2/NDF : 401248837.9/24
 Right Out: 142.811 ± 0.000 χ^2/NDF : 7005019438.7/25
 Left In: 145.834 ± 0.000 χ^2/NDF : 690172810.0/22

+ sign 145.576 ± 0.000 χ^2/NDF : 3879674962.2/46
 All: 144.979 ± 0.000 χ^2/NDF : 12030524879.
 - sign 144.397 ± 0.000 χ^2/NDF : 8045512585.4/48

yield_bcm_dg_ds_rms vs Slug



Right In: 0.359 ± 0.000 χ^2/NDF : 1773588.6/21

Left Out: 0.444 ± 0.000 χ^2/NDF : 1460383.7/24

Right Out: 0.363 ± 0.000 χ^2/NDF : 1601452.5/25

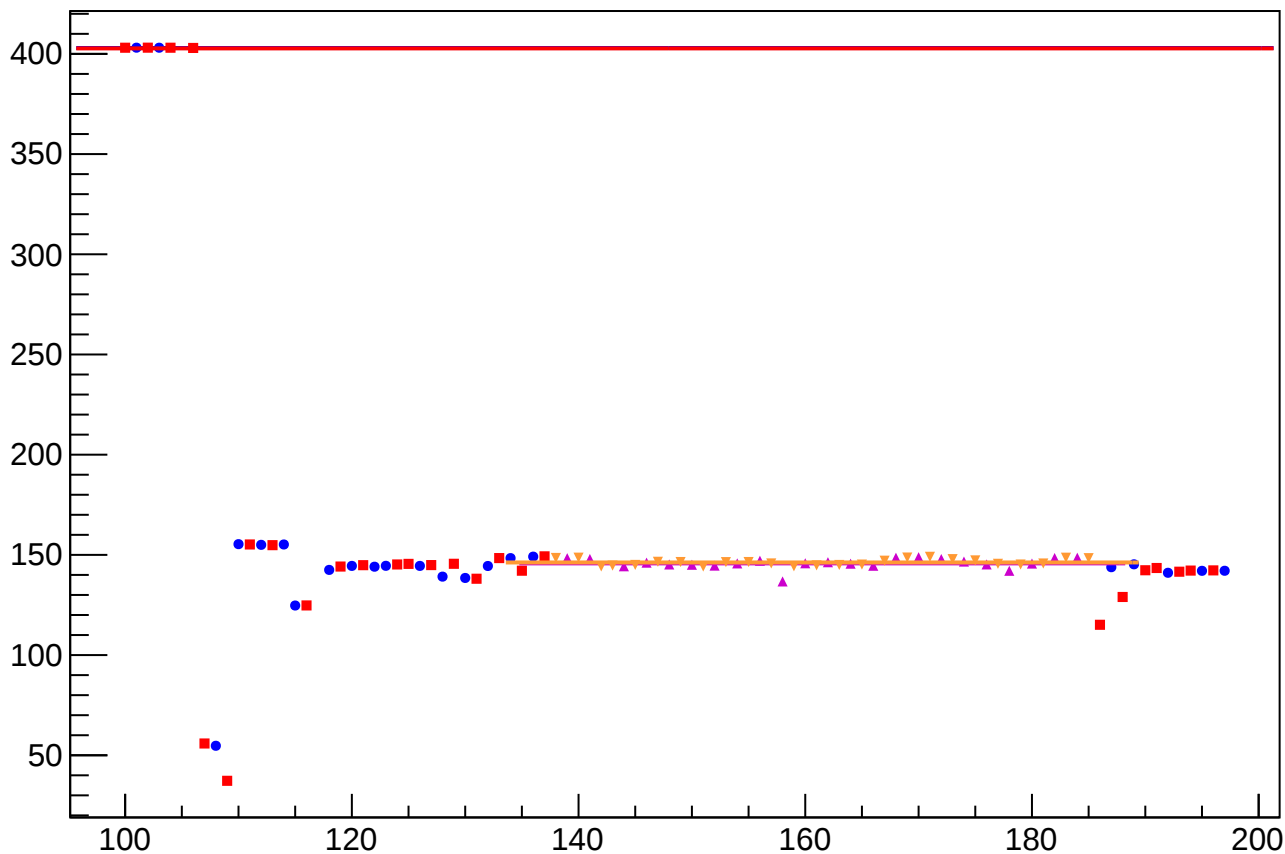
Left In: 0.450 ± 0.000 χ^2/NDF : 1092776.5/22

+ sign 0.408 ± 0.000 χ^2/NDF : 3752678.6/46

All: 0.408 ± 0.000 χ^2/NDF : 7019984.0/95

- sign 0.408 ± 0.000 χ^2/NDF : 3267304.3/48

yield_cav4bQ_mean vs Slug



Right In: 402.925+/-0.000 χ^2/NDF : 1357436513583.2/21

Left Out: 146.216+/-0.000 χ^2/NDF : 86042286.3/24

Right Out: 402.744+/-0.000 χ^2/NDF : 3612154453238.6/25

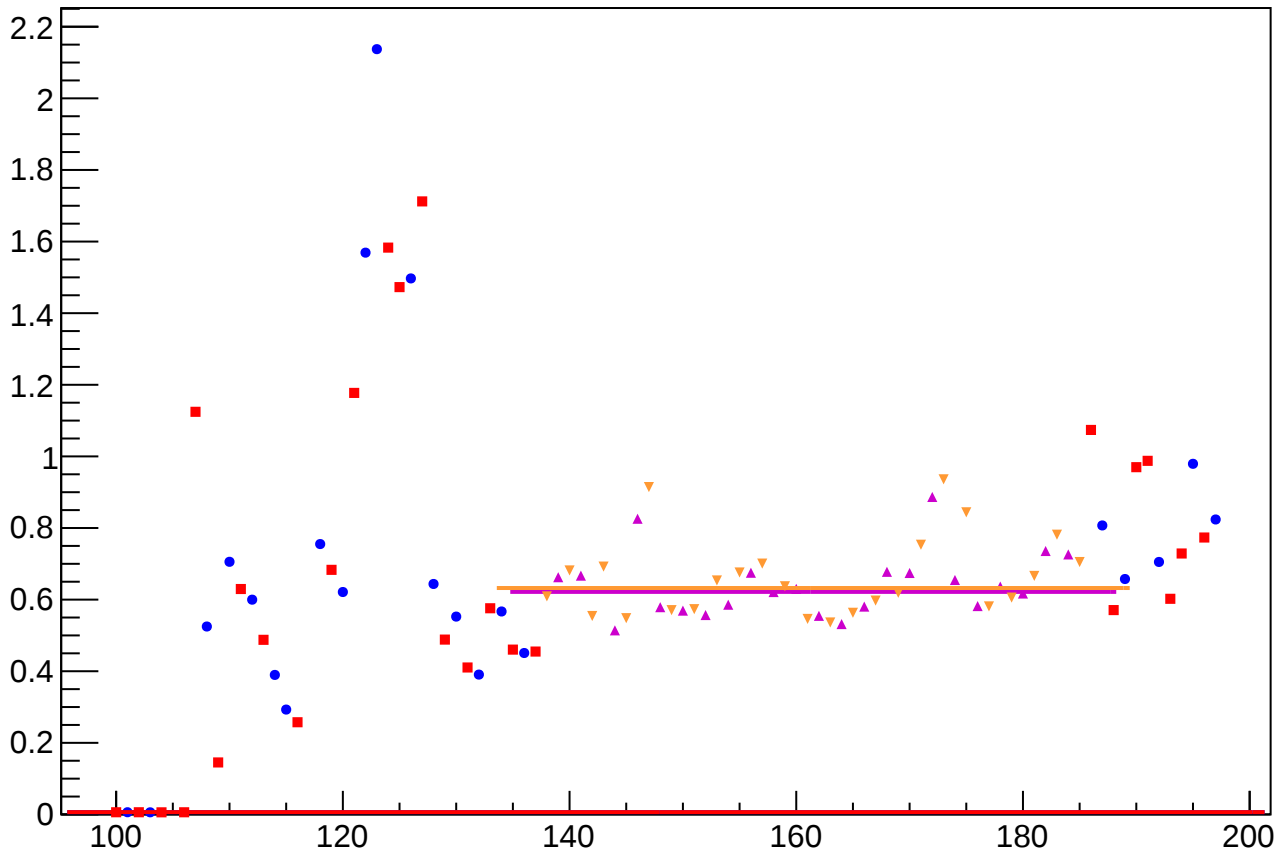
Left In: 145.755+/-0.000 χ^2/NDF : 206171532.0/22

+ sign 402.630+/-0.000 χ^2/NDF : 3718139937780.9

All: 402.554+/-0.000 χ^2/NDF : 965935015770

- sign 402.488+/-0.000 χ^2/NDF : 5940874291842.7

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 13738240.5/21

Left Out: 0.632+/-0.000 χ^2/NDF : 613604.5/24

Right Out: 0.006+/-0.000 χ^2/NDF : 15987643.2/25

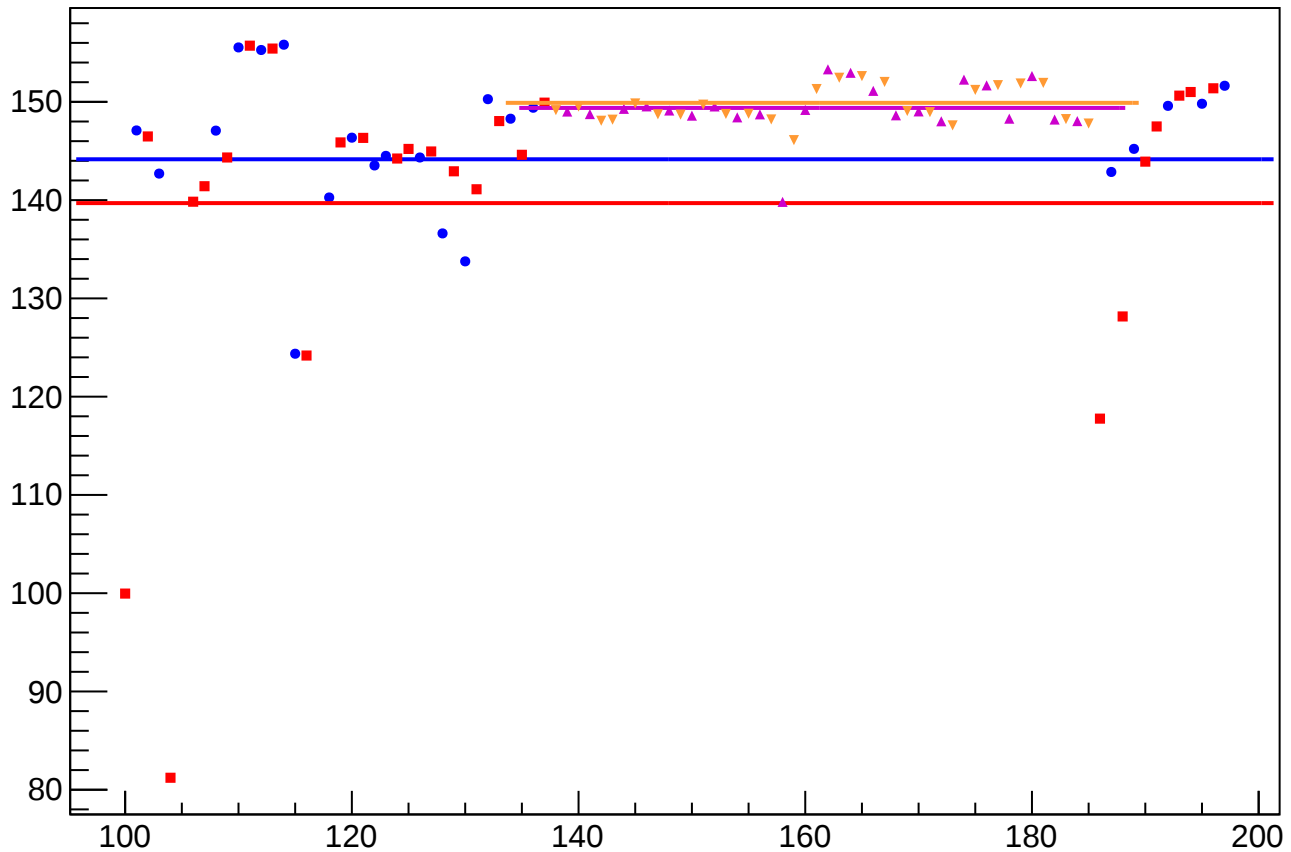
Left In: 0.622+/-0.000 χ^2/NDF : 399965.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 42424730.4/46

All: 0.007+/-0.000 χ^2/NDF : 85494930.3/95

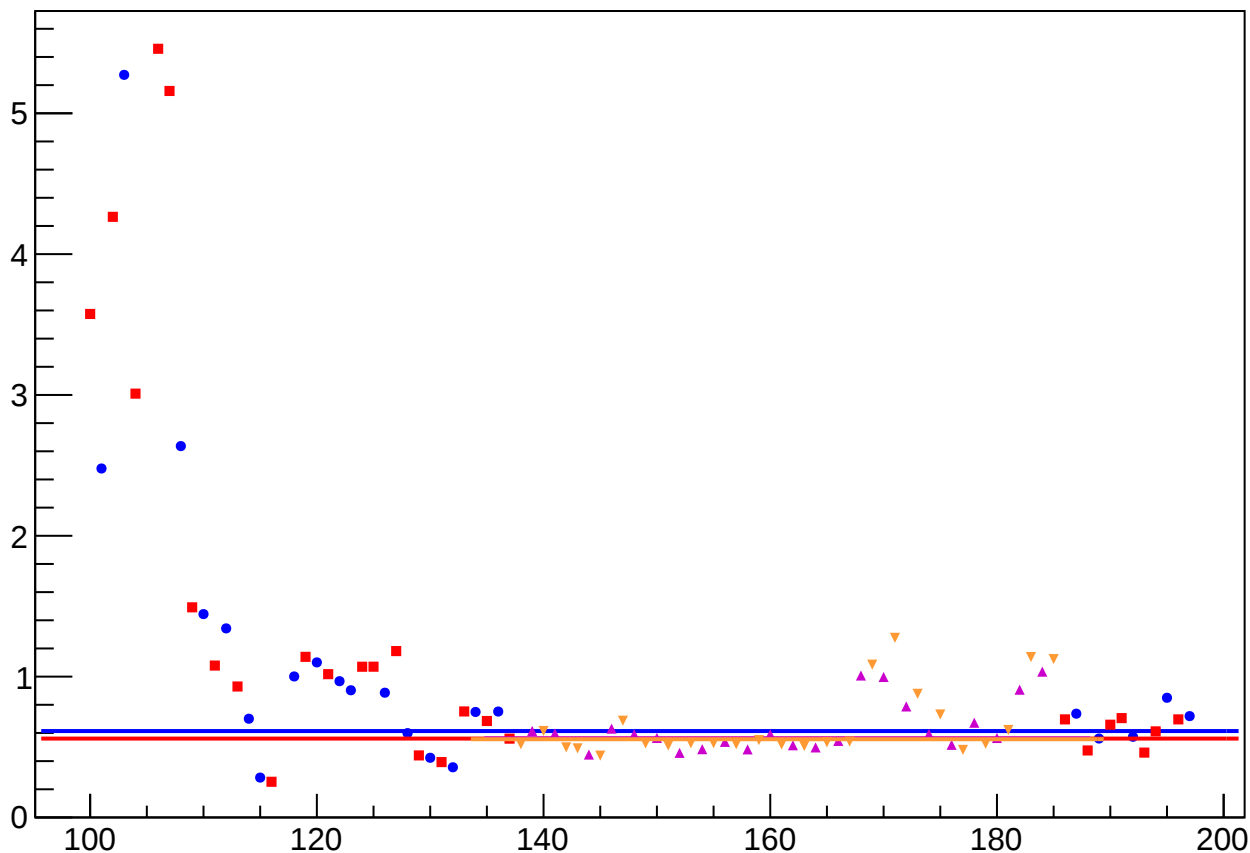
- sign 0.007+/-0.000 χ^2/NDF : 43070022.8/48

yield_cav4cQ_mean vs Slug



Right In: 144.157 $\pm$ 0.000	χ^2 /NDF: 1192512146.1/21	+ sign 148.549 $\pm$ 0.000	χ^2 /NDF: 1749004750.9/46
Left Out: 149.900 $\pm$ 0.000	χ^2 /NDF: 162845622.6/24	All: 147.429 $\pm$ 0.000	χ^2 /NDF: 6655469468.1
Right Out: 139.696 $\pm$ 0.000	χ^2 /NDF: 2920067582.0/25	- sign 146.350 $\pm$ 0.000	χ^2 /NDF: 4743063612.4/48
Left In: 149.382 $\pm$ 0.000	χ^2 /NDF: 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.614 $\pm$ 0.000 χ^2 /NDF: 3683965.1/21

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773688.1/24

Right Out: 0.560 $\pm$ 0.000 χ^2 /NDF: 4864583.4/25

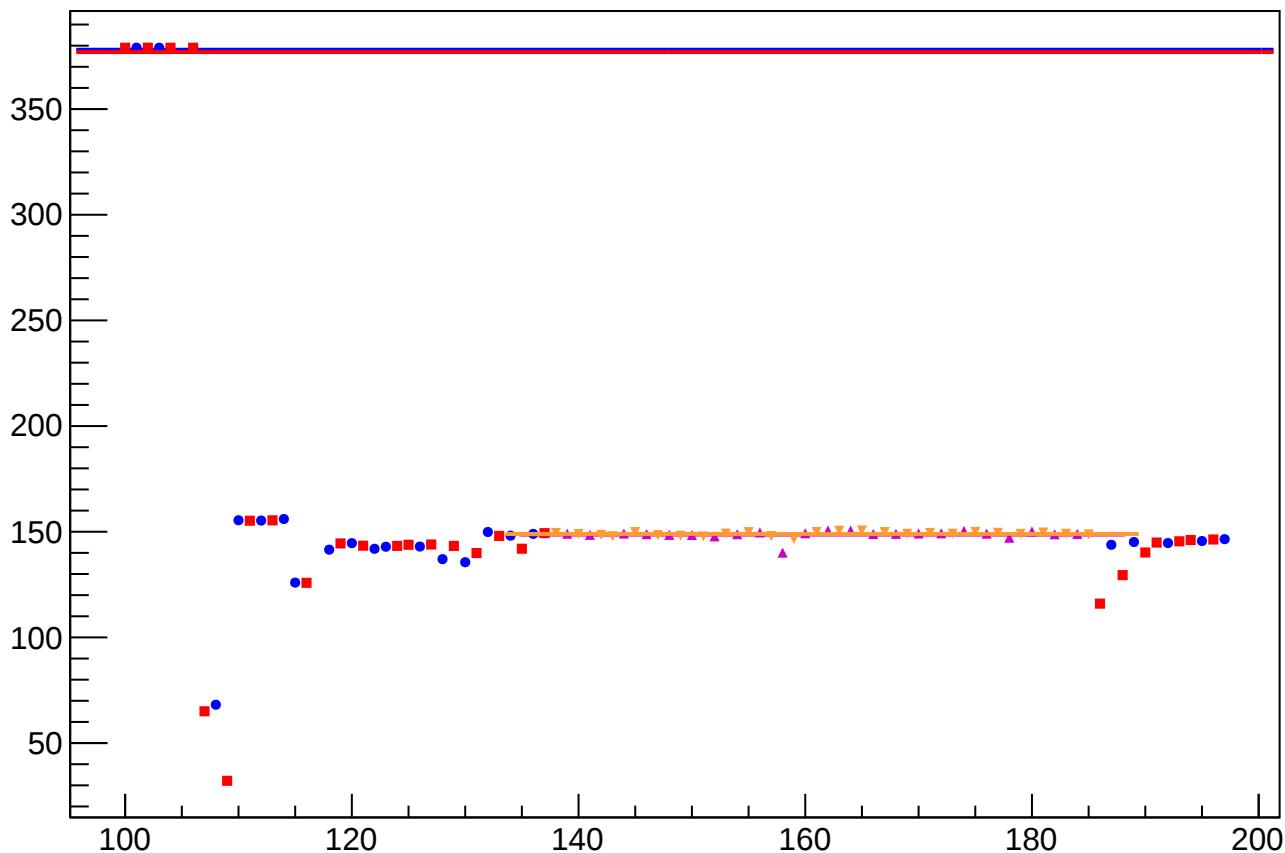
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1305573.4/22

+ sign 0.569 $\pm$ 0.000 χ^2 /NDF: 5538038.3/46

All: 0.565 $\pm$ 0.000 χ^2 /NDF: 11712496.5/95

- sign 0.561 $\pm$ 0.000 χ^2 /NDF: 6170242.8/48

yield_cav4dQ_mean vs Slug



Right In: 378.073+/-0.000 χ^2/NDF : 3157974702136.3/21

Left Out: 148.944+/-0.000 χ^2/NDF : 63976941.3/24

Right Out: 376.980+/-0.000 χ^2/NDF : 9401470252398.8/25

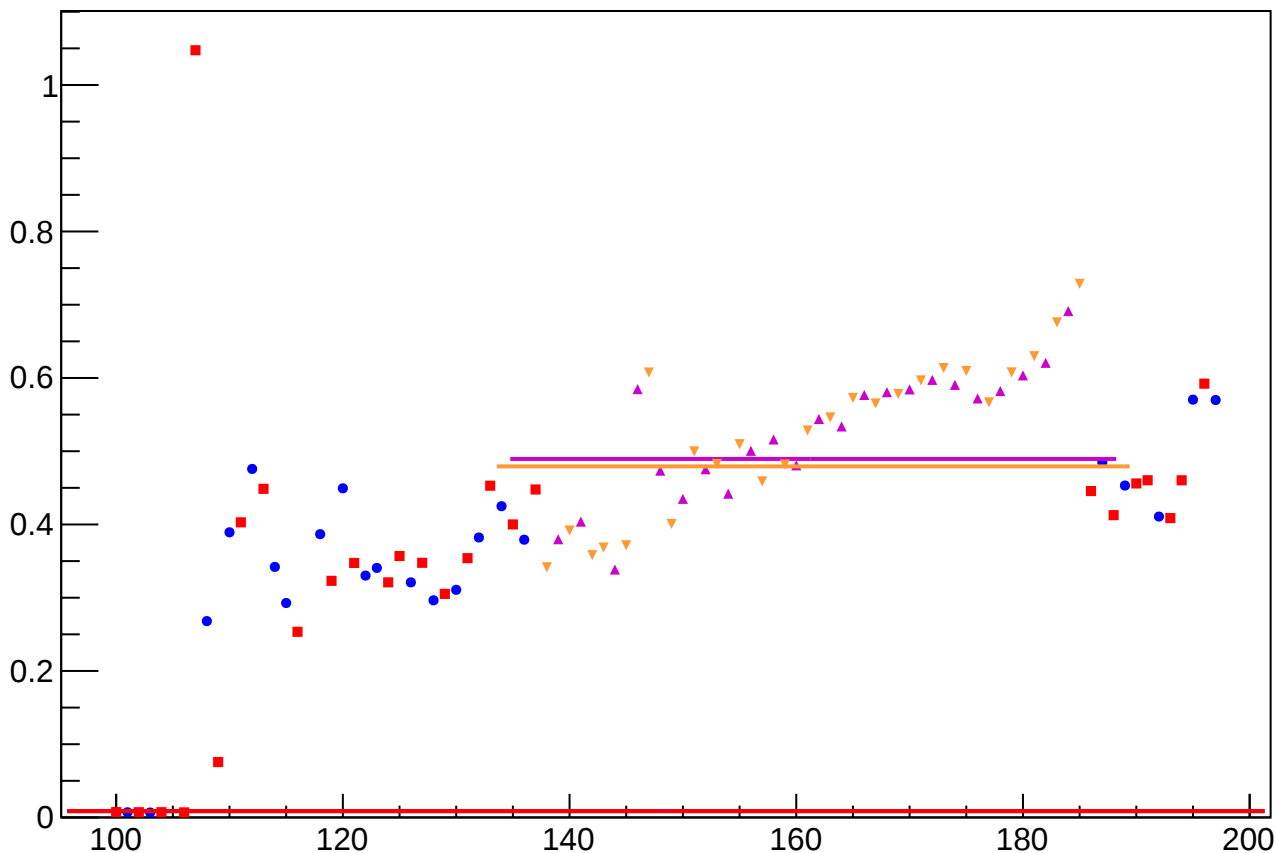
Left In: 148.672+/-0.000 χ^2/NDF : 252846428.3/22

+ sign 376.796+/-0.000 χ^2/NDF : 7058058843751.4

All: 376.350+/-0.000 χ^2/NDF : 200139559014

- sign 375.958+/-0.000 χ^2/NDF : 12950881594053.8

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 15353961.3/21

Left Out: 0.479+/-0.000 χ^2/NDF :1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 17260967.7/25

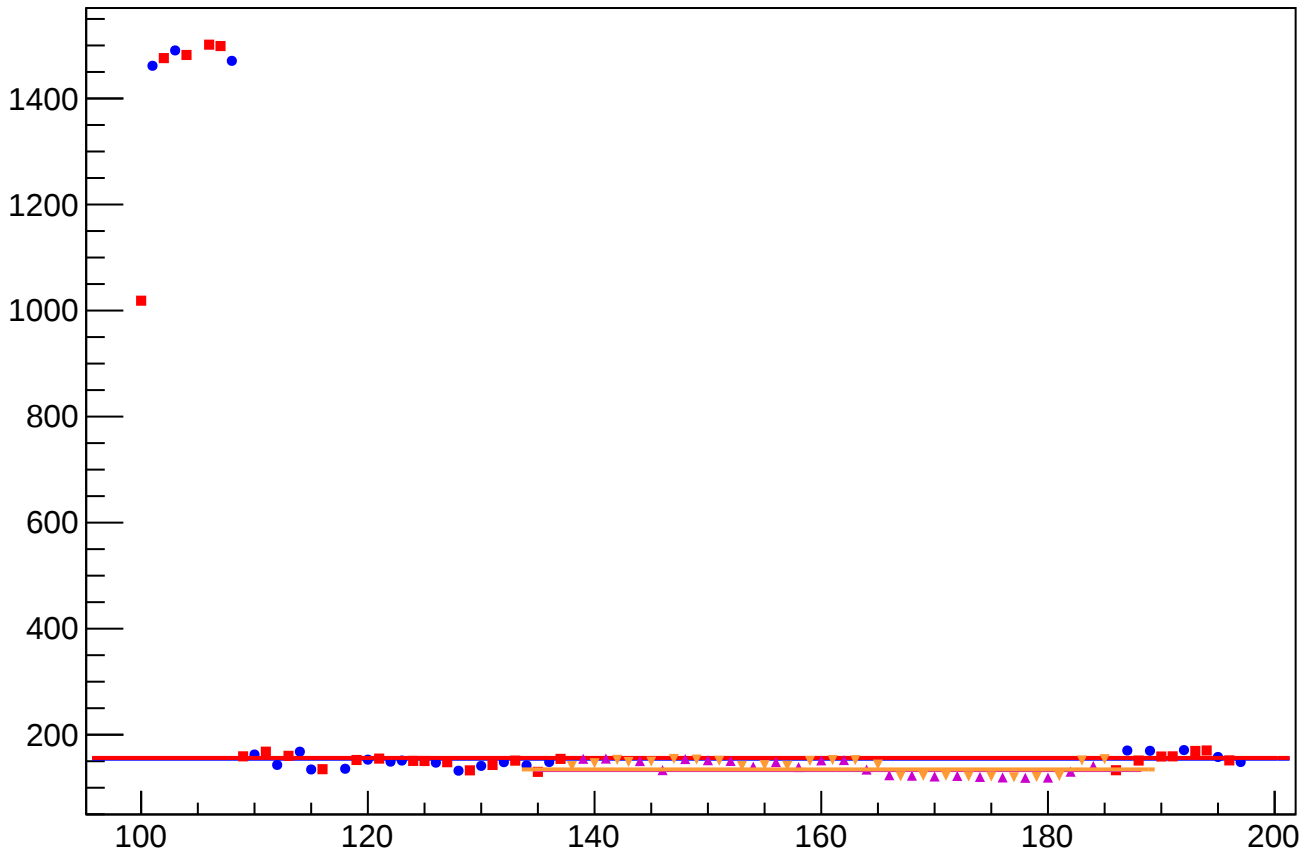
Left In: 0.489+/-0.000 χ^2/NDF :1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 49795246.5/46

All: 0.011+/-0.000 χ^2/NDF : 99607798.7/95

- sign 0.011+/-0.000 χ^2/NDF : 49811206.0/48

yield_bcm0l02_mean vs Slug



Right In: 154.727+/-0.000 χ^2/NDF : 25452281513.3/21

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 156.232+/-0.000 χ^2/NDF : 34647241256.2/25

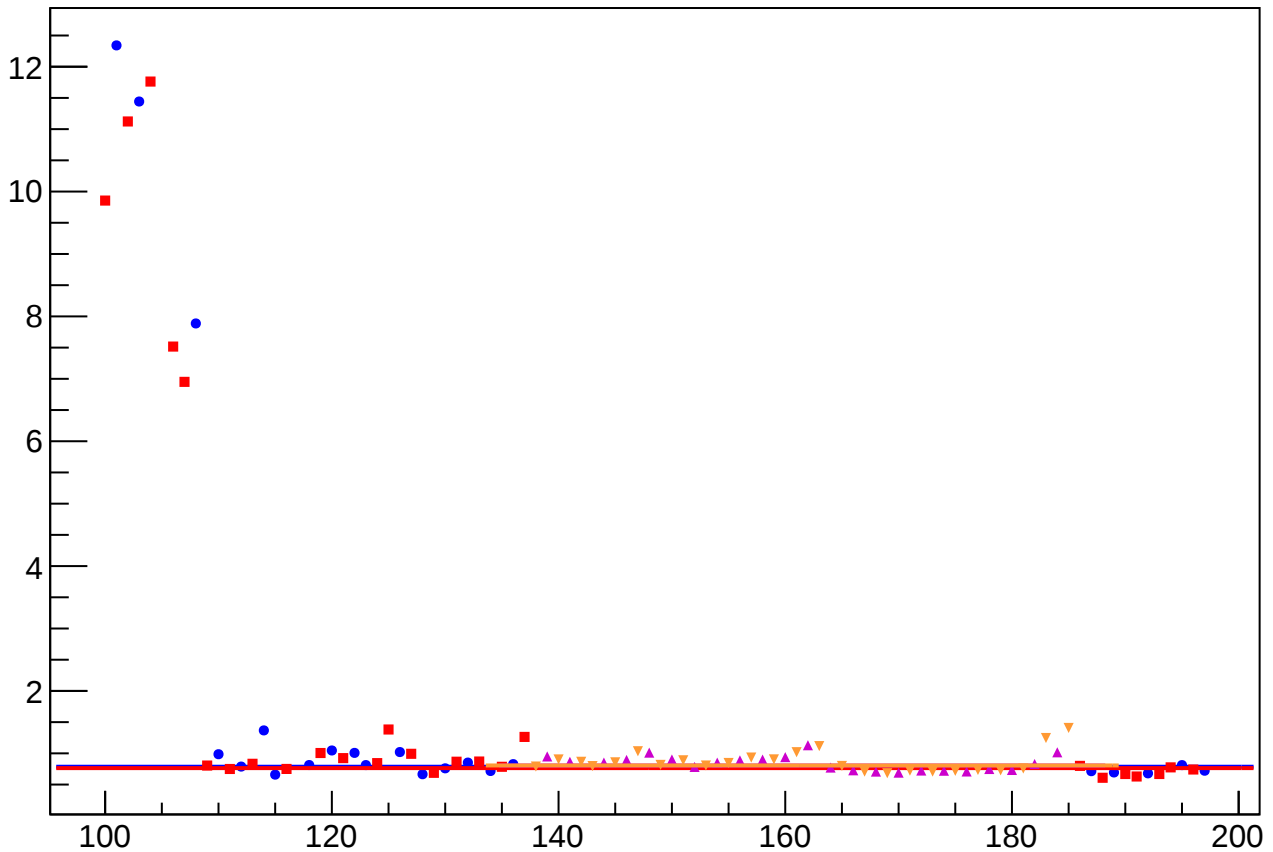
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 140.679+/-0.000 χ^2/NDF : 32759540611.4/46

All: 141.198+/-0.000 χ^2/NDF : 76077560777.7

- sign 141.691+/-0.000 χ^2/NDF : 43300170276.3/48

yield_bcm0l02_rms vs Slug



Right In: 0.785+/-0.000 χ^2/NDF : 2763611.7/21

Left Out: 0.806+/-0.000 χ^2/NDF : 690578.5/24

Right Out: 0.763+/-0.000 χ^2/NDF : 3122641.0/25

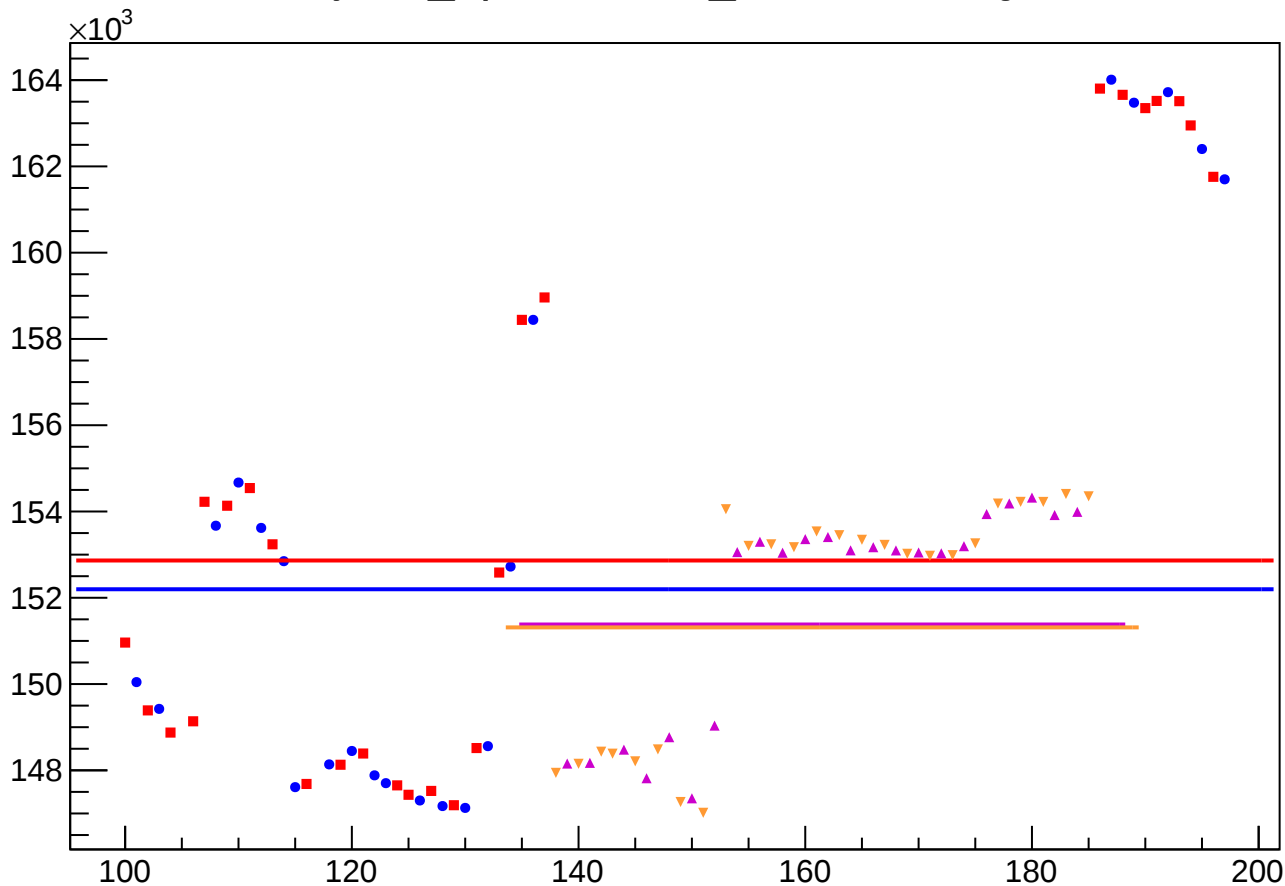
Left In: 0.805+/-0.000 χ^2/NDF : 480510.8/22

+ sign 0.800+/-0.000 χ^2/NDF : 3460312.0/46

All: 0.795+/-0.000 χ^2/NDF : 7095379.0/95

- sign 0.790+/-0.000 χ^2/NDF : 3631465.8/48

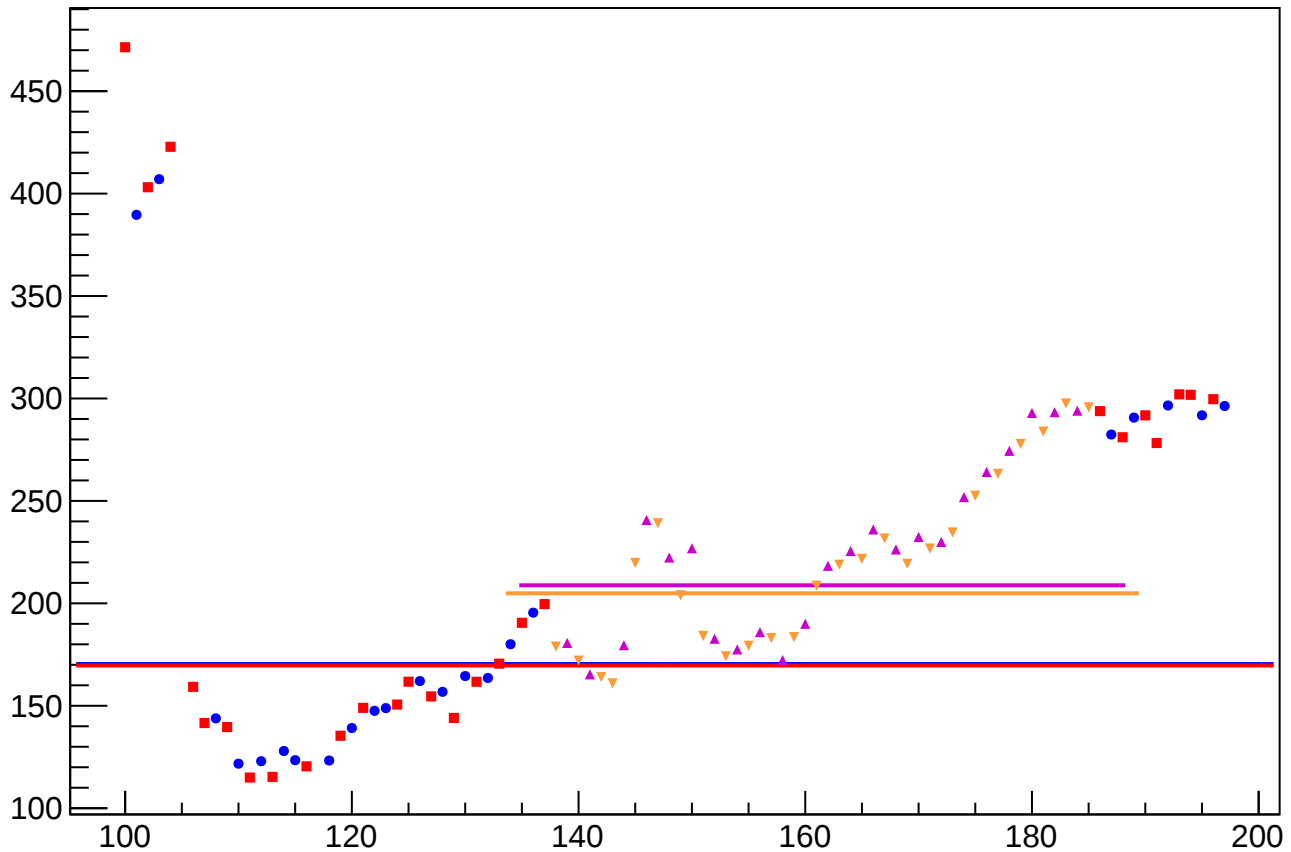
yield_bpm0i01WS_mean vs Slug



Right In: 152197.455 ± 0.059 $\chi^2/\text{NDF}: 7963160478.1/21$
 Left Out: 151313.284 ± 0.049 $\chi^2/\text{NDF}: 3153768134.8/24$
 Right Out: 152864.181 ± 0.055 $\chi^2/\text{NDF}: 9332927680.7/25$
 Left In: 151380.236 ± 0.051 $\chi^2/\text{NDF}: 2363895785.3/22$

+ sign 151671.092 ± 0.038 $\chi^2/\text{NDF}: 11250407440.0$
 All: 151869.411 ± 0.027 $\chi^2/\text{NDF}: 233919509.0$
 - sign 152067.209 ± 0.038 $\chi^2/\text{NDF}: 12085868074.8$

yield_bpm0i01WS_rms vs Slug



Right In: 170.373 $\pm$ 0.042 χ^2 /NDF: 2388514.7/21

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 169.670 $\pm$ 0.039 χ^2 /NDF: 2943201.2/25

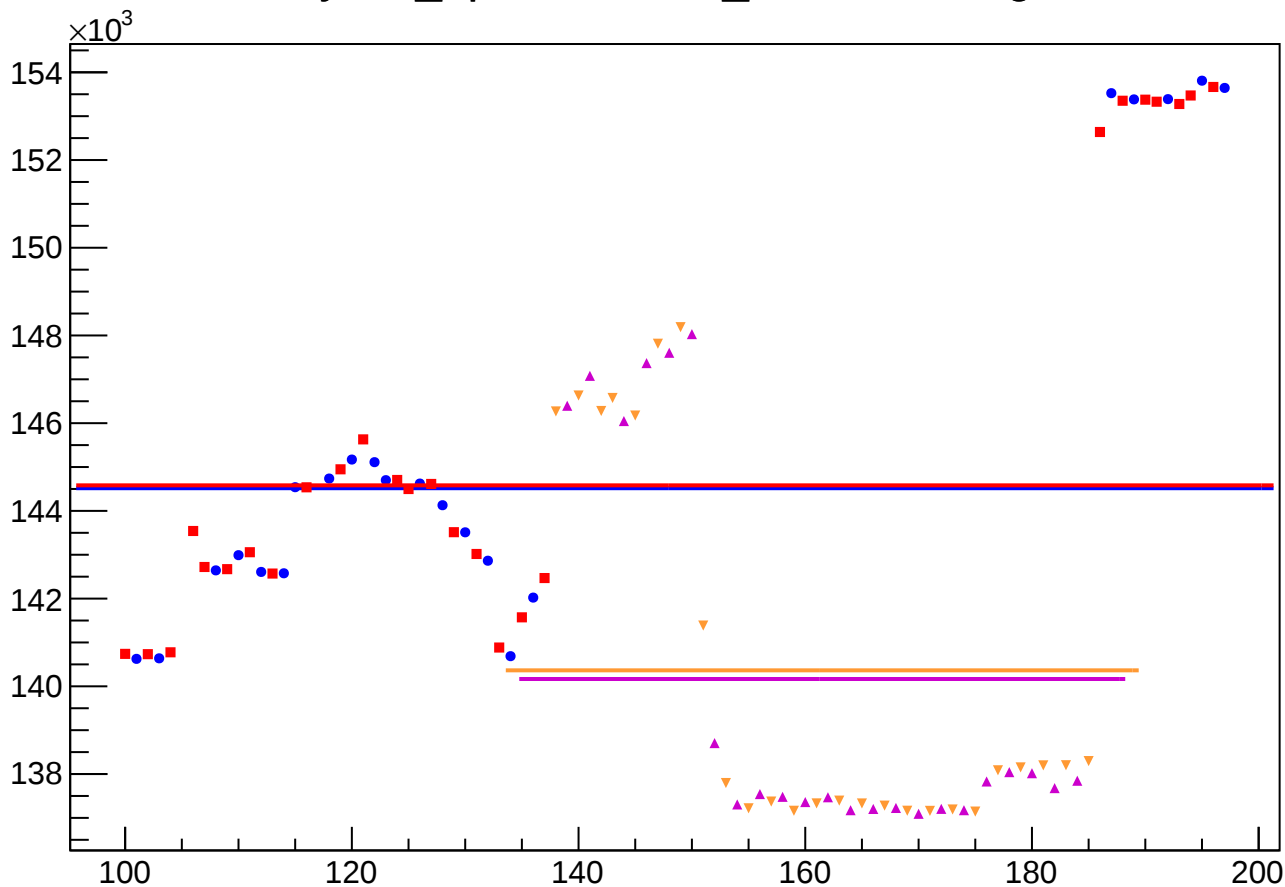
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 190.927 $\pm$ 0.027 χ^2 /NDF: 3851969.4/46

All: 190.810 $\pm$ 0.019 χ^2 /NDF: 8338515.1/95

- sign 190.692 $\pm$ 0.027 χ^2 /NDF: 4486506.4/48

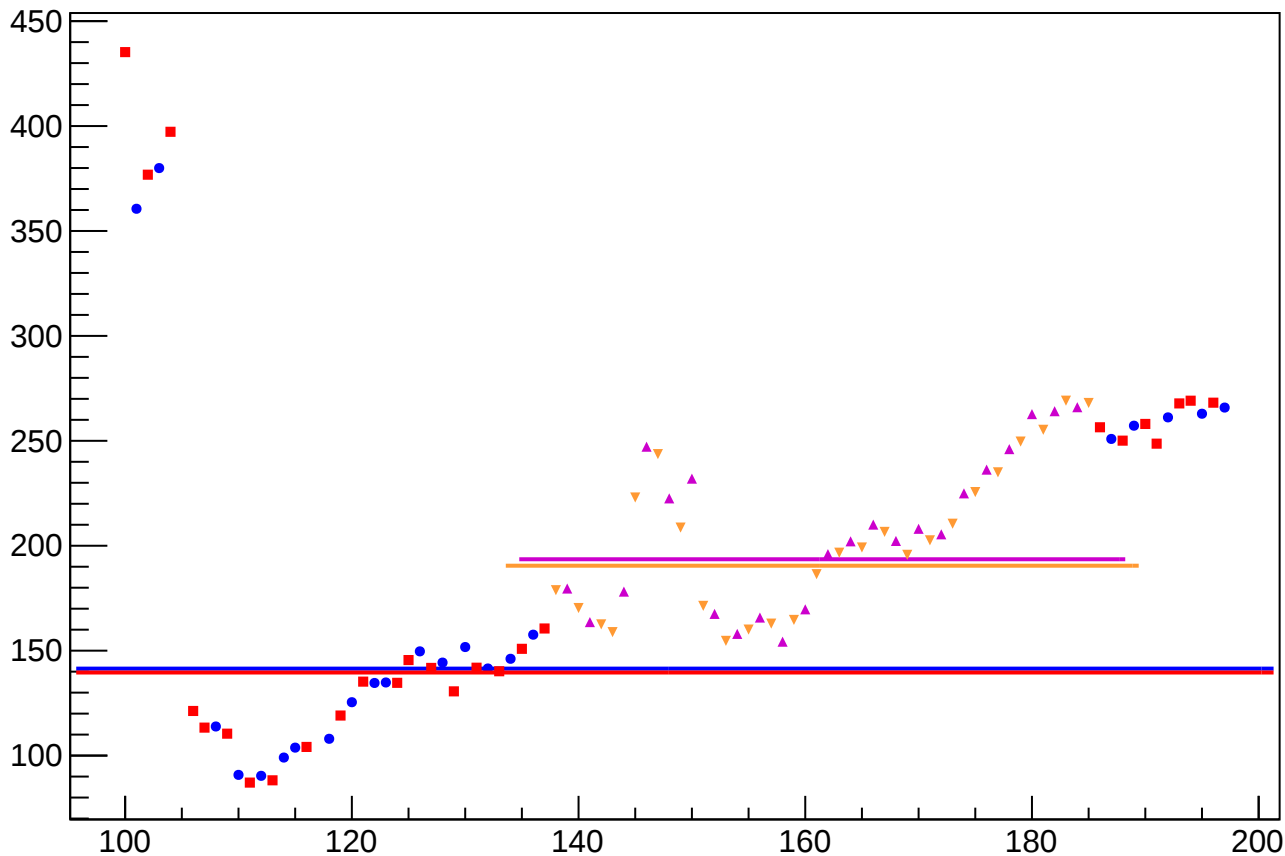
yield_bpm0i01aWS_mean vs Slug



Right In: 144517.231 $\pm$ 0.050 χ^2 /NDF: 4653661193.3/21
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 144582.466 $\pm$ 0.046 χ^2 /NDF: 6030894255.4/25
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22

+ sign 142242.166 $\pm$ 0.033 χ^2 /NDF: 17144451329.
 All: 142348.214 $\pm$ 0.023 χ^2 /NDF: 357031872
 - sign 142451.102 $\pm$ 0.033 χ^2 /NDF: 18538955331.4

yield_bpm0i01aWS_rms vs Slug



Right In: 141.442 $\pm$ 0.035 χ^2 /NDF: 2898618.8/21

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 139.589 $\pm$ 0.032 χ^2 /NDF: 3541022.4/25

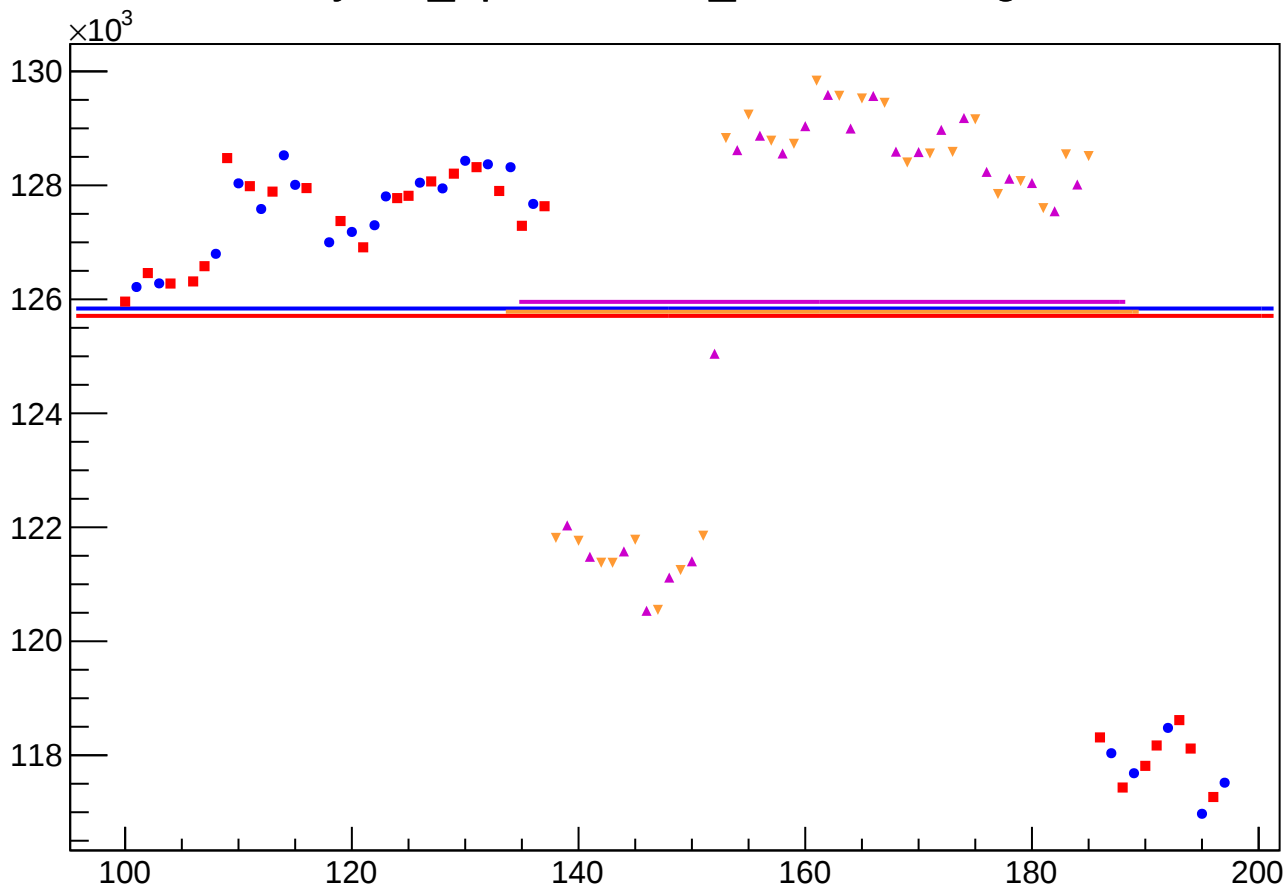
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 168.310 $\pm$ 0.024 χ^2 /NDF: 4912687.0/46

All: 166.955 $\pm$ 0.017 χ^2 /NDF: 10762293.8/95

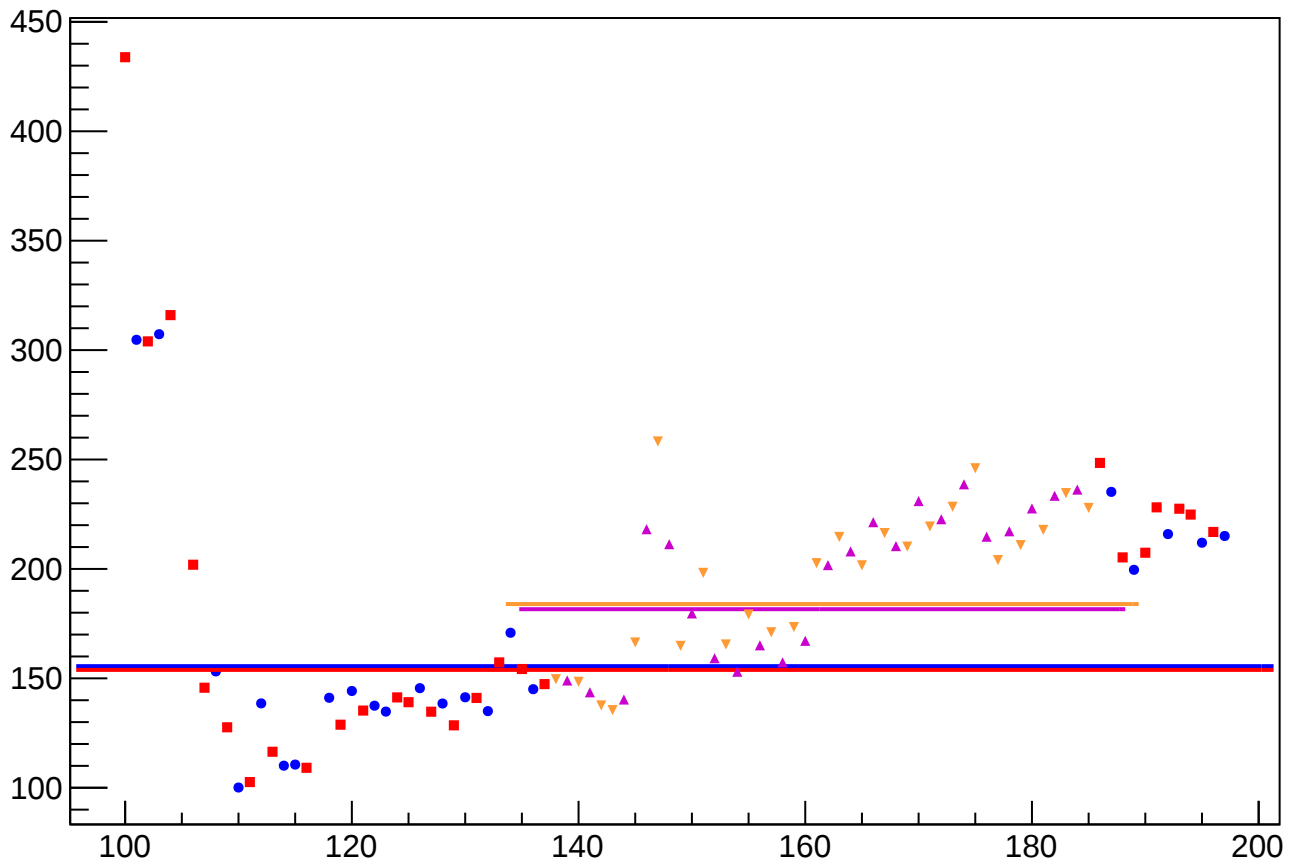
- sign 165.640 $\pm$ 0.023 χ^2 /NDF: 5843145.8/48

yield_bpm0l01WS_mean vs Slug



Right In: 125838.865 $\pm$ 0.052	χ^2 /NDF: 5637518961.1/21	+ sign 125805.927 $\pm$ 0.034	χ^2 /NDF: 12367951935.
Left Out: 125782.764 $\pm$ 0.044	χ^2 /NDF: 6729761889.8/24	All: 125824.789 $\pm$ 0.024	χ^2 /NDF: 249963011.
Right Out: 125709.743 $\pm$ 0.049	χ^2 /NDF: 6809829223.6/25	- sign 125842.816 $\pm$ 0.033	χ^2 /NDF: 12627737116.1
Left In: 125955.637 $\pm$ 0.045	χ^2 /NDF: 5804088930.1/22		

yield_bpm0l01WS_rms vs Slug



Right In: 155.565 $\pm$ 0.037 χ^2 /NDF: 1382747.3/21

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF: 1123194.0/24

Right Out: 153.855 $\pm$ 0.034 χ^2 /NDF: 1910450.7/25

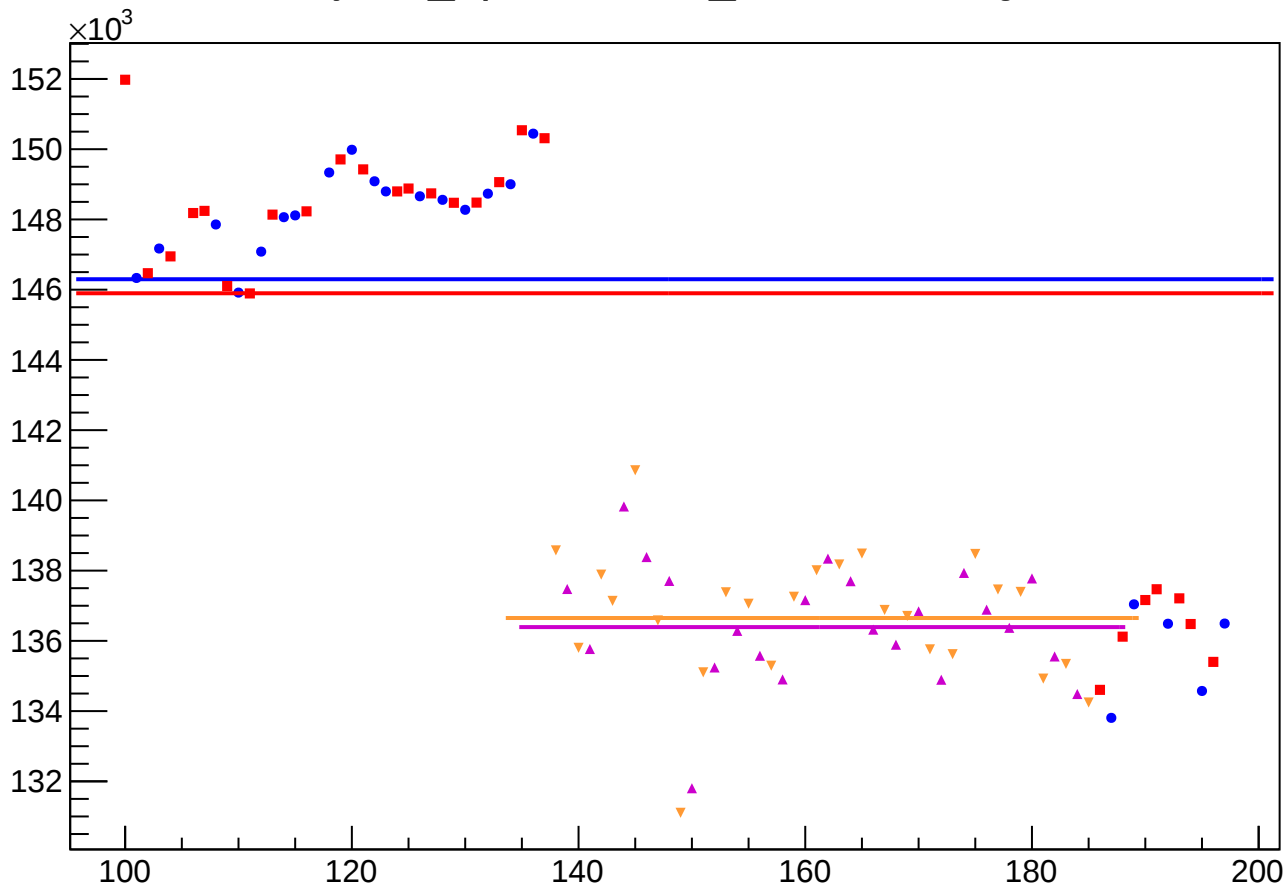
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF: 1103524.3/22

+ sign 172.229 $\pm$ 0.024 χ^2 /NDF: 2849453.2/46

All: 170.510 $\pm$ 0.017 χ^2 /NDF: 6225340.6/95

- sign 168.868 $\pm$ 0.023 χ^2 /NDF: 3365725.3/48

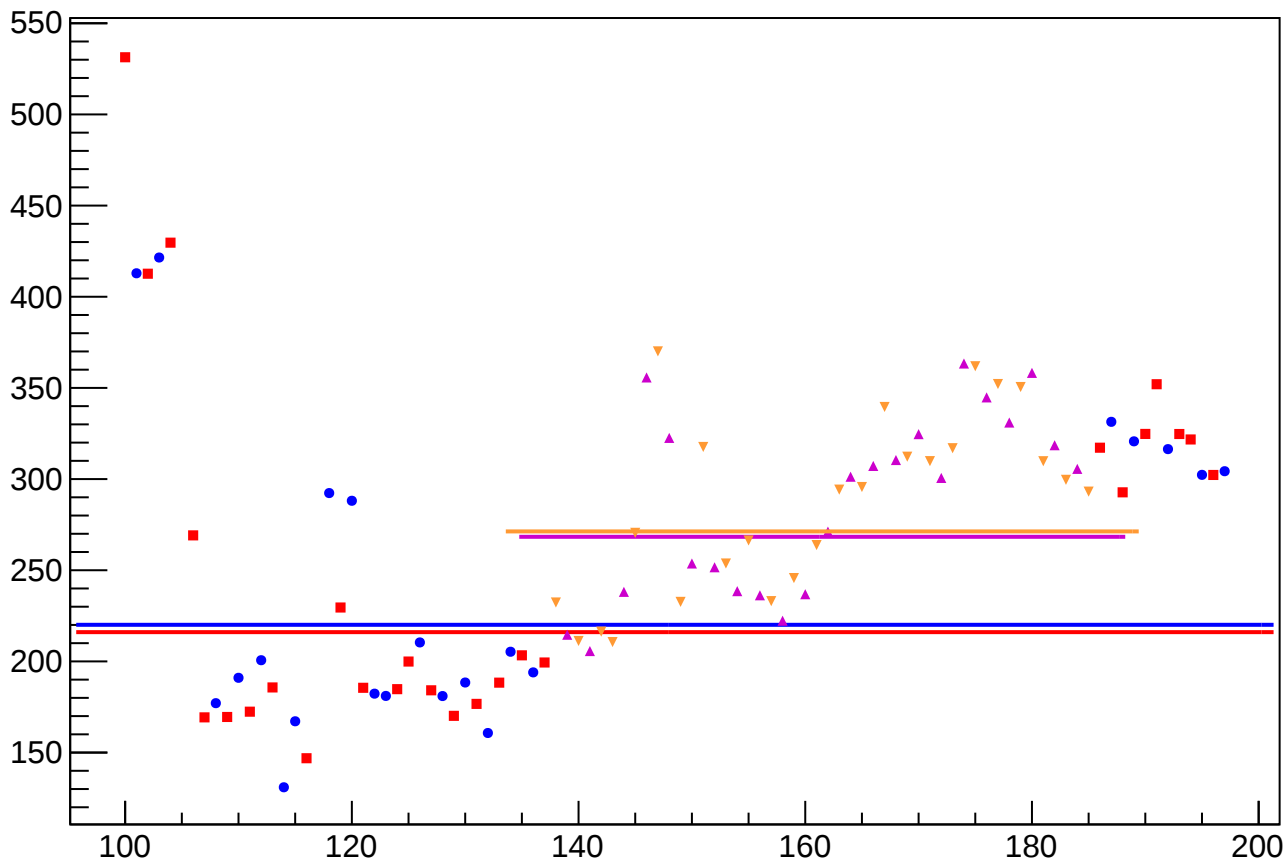
yield_bpm0l02WS_mean vs Slug



Right In: 146297.407 $\pm$ 0.075 χ^2 /NDF: 4405693847.8/21
 Left Out: 136650.935 $\pm$ 0.065 χ^2 /NDF: 930649595.5/24
 Right Out: 145897.732 $\pm$ 0.068 χ^2 /NDF: 5274433588.4/25
 Left In: 136392.188 $\pm$ 0.066 χ^2 /NDF: 701986841.4/22

+ sign 140784.143 $\pm$ 0.049 χ^2 /NDF: 14882822012.
 All: 140880.591 $\pm$ 0.034 χ^2 /NDF: 308701263.
 - sign 140971.710 $\pm$ 0.047 χ^2 /NDF: 15979725640.7

yield_bpm0l02WS_rms vs Slug



Right In: 220.074 ± 0.053 $\chi^2/\text{NDF}: 1574493.2/21$

Left Out: 271.295 ± 0.046 $\chi^2/\text{NDF}: 1064485.7/24$

Right Out: 216.048 ± 0.048 $\chi^2/\text{NDF}: 1857148.0/25$

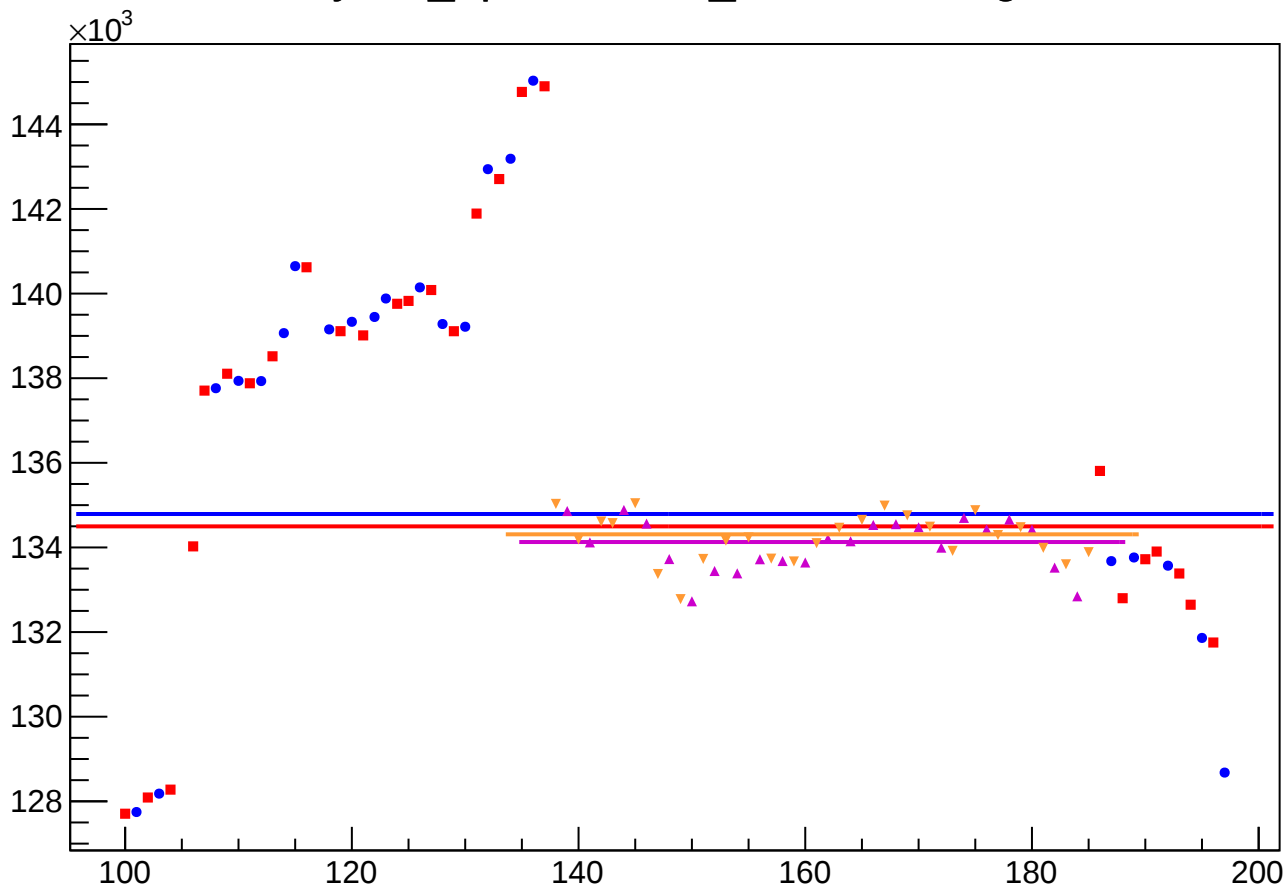
Left In: 268.344 ± 0.047 $\chi^2/\text{NDF}: 1077364.0/22$

+ sign 249.348 ± 0.035 $\chi^2/\text{NDF}: 3177294.3/46$

All: 246.161 ± 0.024 $\chi^2/\text{NDF}: 6733921.1/95$

- sign 243.149 ± 0.034 $\chi^2/\text{NDF}: 3540067.0/48$

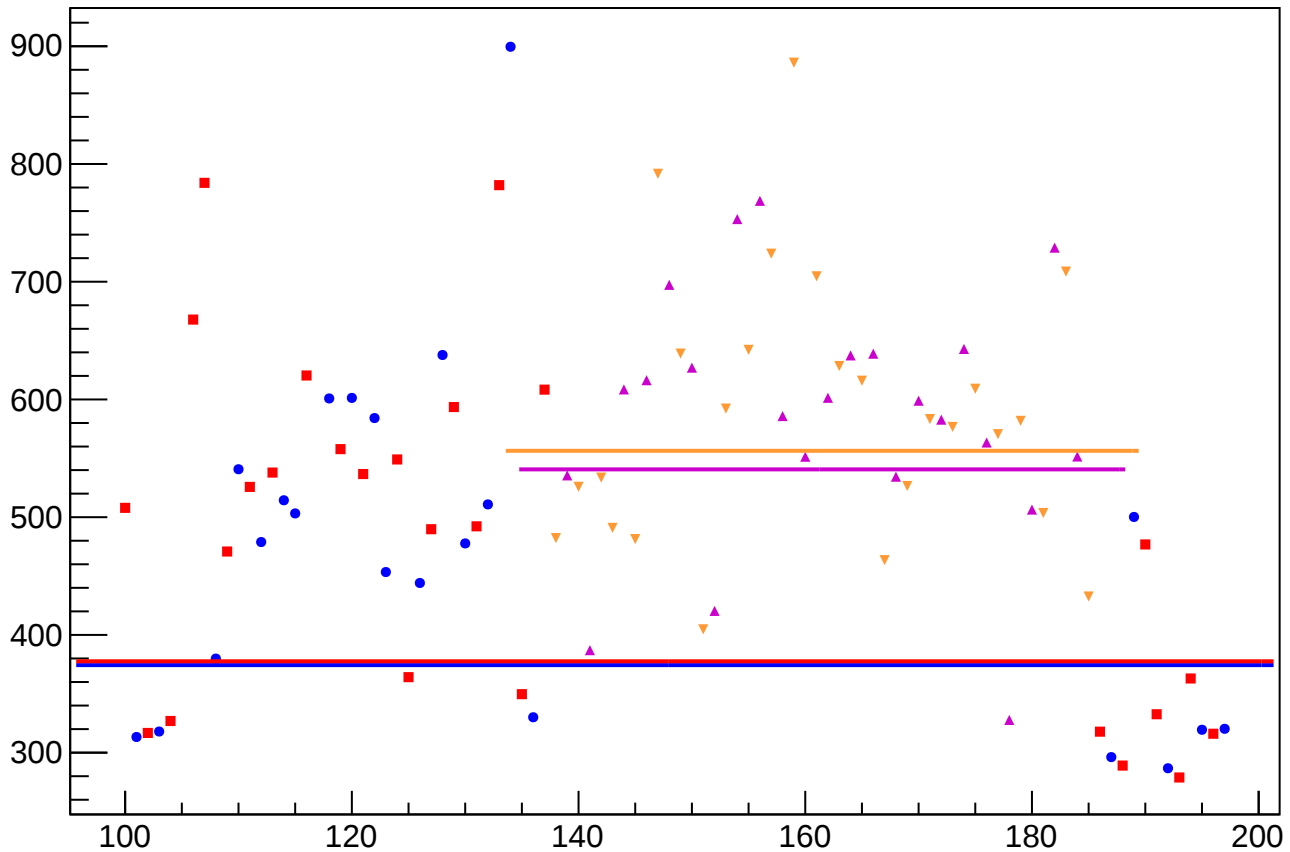
yield_bpm0l03WS_mean vs Slug



Right In: 134790.400 $\pm$ 0.134 χ^2 /NDF: 1856397199.6/21
 Left Out: 134310.250 $\pm$ 0.139 χ^2 /NDF: 15518632.9/24
 Right Out: 134498.036 $\pm$ 0.128 χ^2 /NDF: 1242263068.9/25
 Left In: 134128.172 $\pm$ 0.142 χ^2 /NDF: 15533736.2/22

+ sign 134557.887 $\pm$ 0.096 χ^2 /NDF: 1878109393.5
 All: 134443.529 $\pm$ 0.068 χ^2 /NDF: 314242795
 - sign 134332.613 $\pm$ 0.095 χ^2 /NDF: 1261547465.6/

yield_bpm0l03WS_rms vs Slug



Right In: 374.357 ± 0.095 $\chi^2/\text{NDF}: 1155091.9/21$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 377.600 ± 0.090 $\chi^2/\text{NDF}: 1540132.5/25$

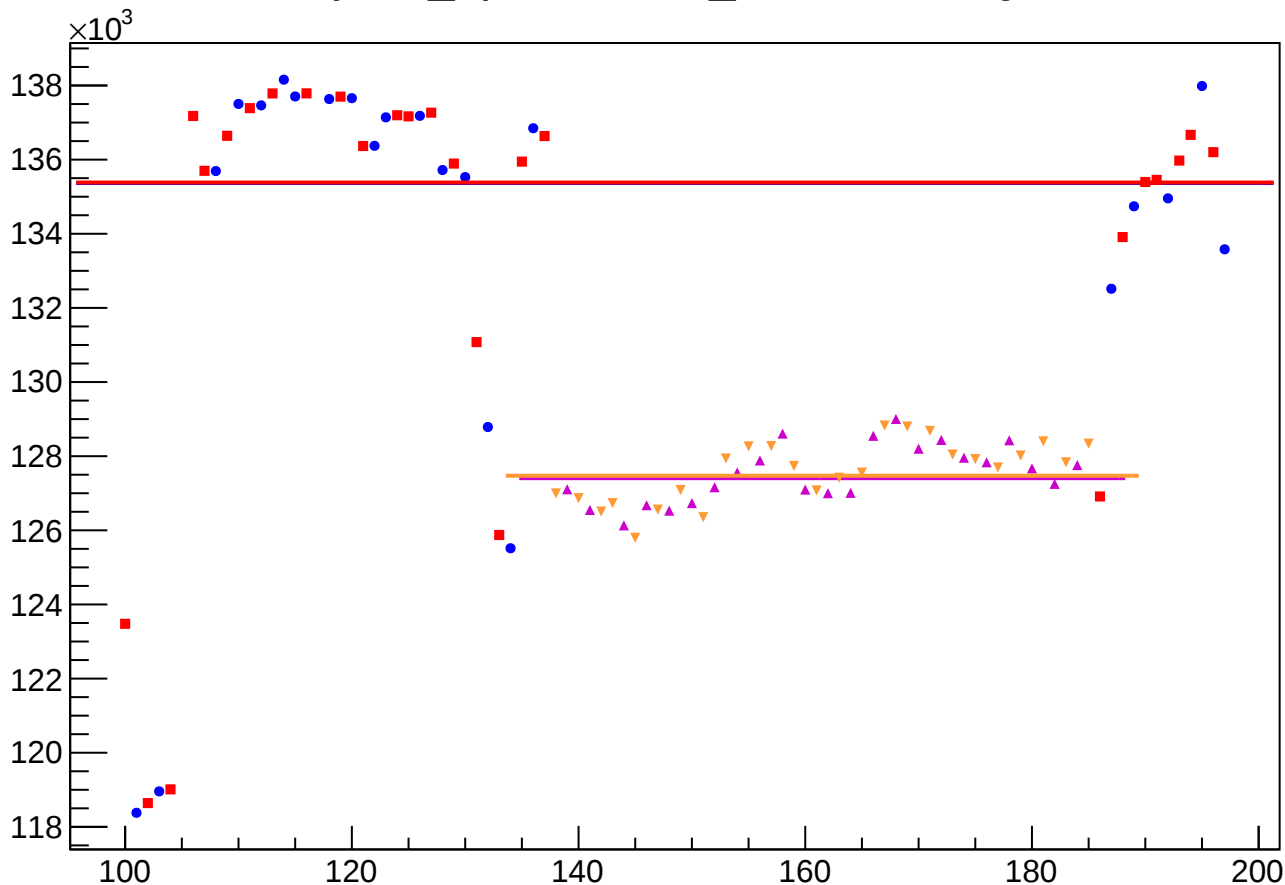
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 462.502 ± 0.068 $\chi^2/\text{NDF}: 3937390.3/46$

All: 456.413 ± 0.048 $\chi^2/\text{NDF}: 8359269.2/95$

- sign 450.506 ± 0.067 $\chi^2/\text{NDF}: 4406161.8/48$

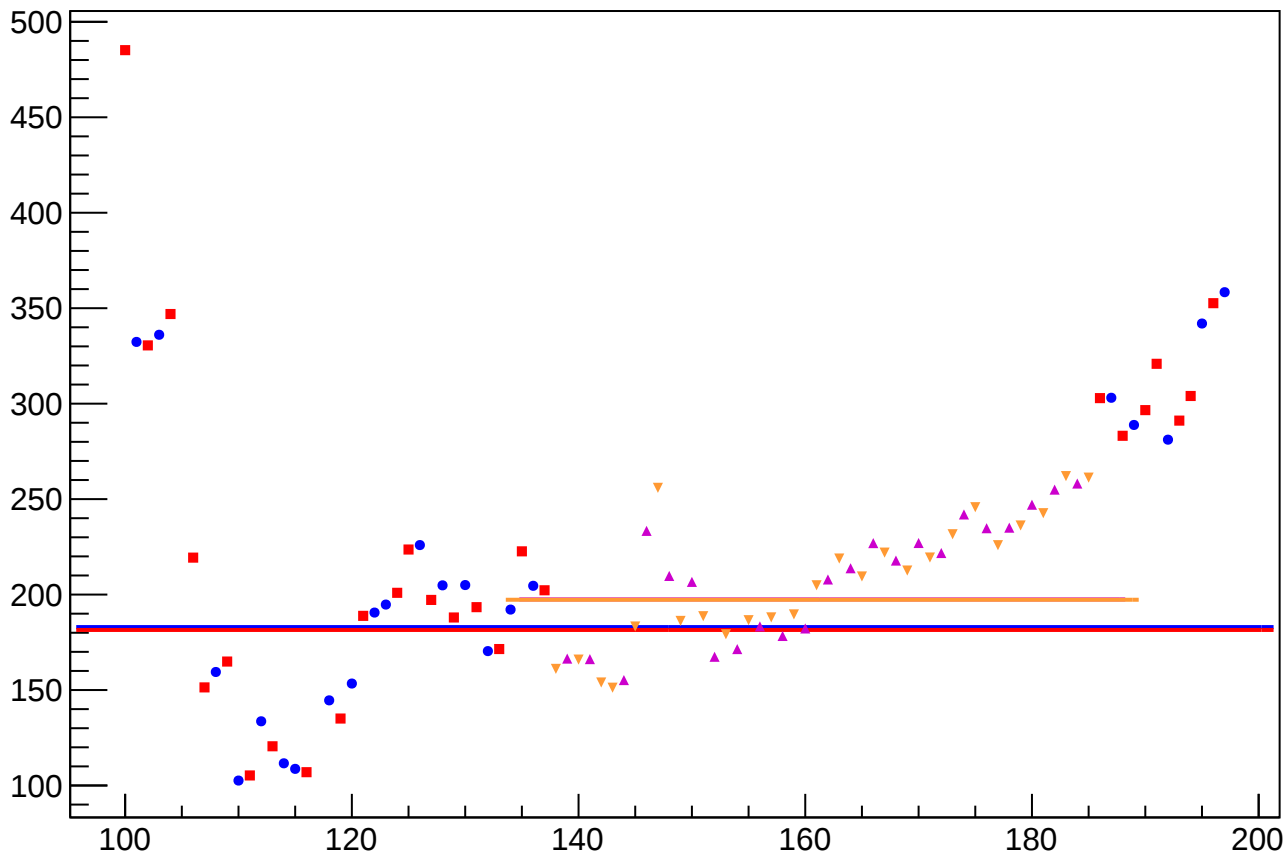
yield_bpm0l04WS_mean vs Slug



Right In: 135369.281 ± 0.064 $\chi^2/\text{NDF}: 4661407538.0/21$
 Left Out: 127472.525 ± 0.047 $\chi^2/\text{NDF}: 303609315.6/24$
 Right Out: 135382.145 ± 0.059 $\chi^2/\text{NDF}: 5075243551.3/25$
 Left In: 127406.911 ± 0.048 $\chi^2/\text{NDF}: 269927988.0/22$

+ sign 130236.766 ± 0.038 $\chi^2/\text{NDF}: 14907582524.6/24$
 All: 130421.604 ± 0.027 $\chi^2/\text{NDF}: 311983695.6/24$
 - sign 130603.159 ± 0.037 $\chi^2/\text{NDF}: 16243326847.6/24$

yield_bpm0l04WS_rms vs Slug



Right In: 182.976 $\pm$ 0.045 χ^2 /NDF: 2469031.9/21

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

+ sign 192.279 $\pm$ 0.027 χ^2 /NDF: 3386384.6/46

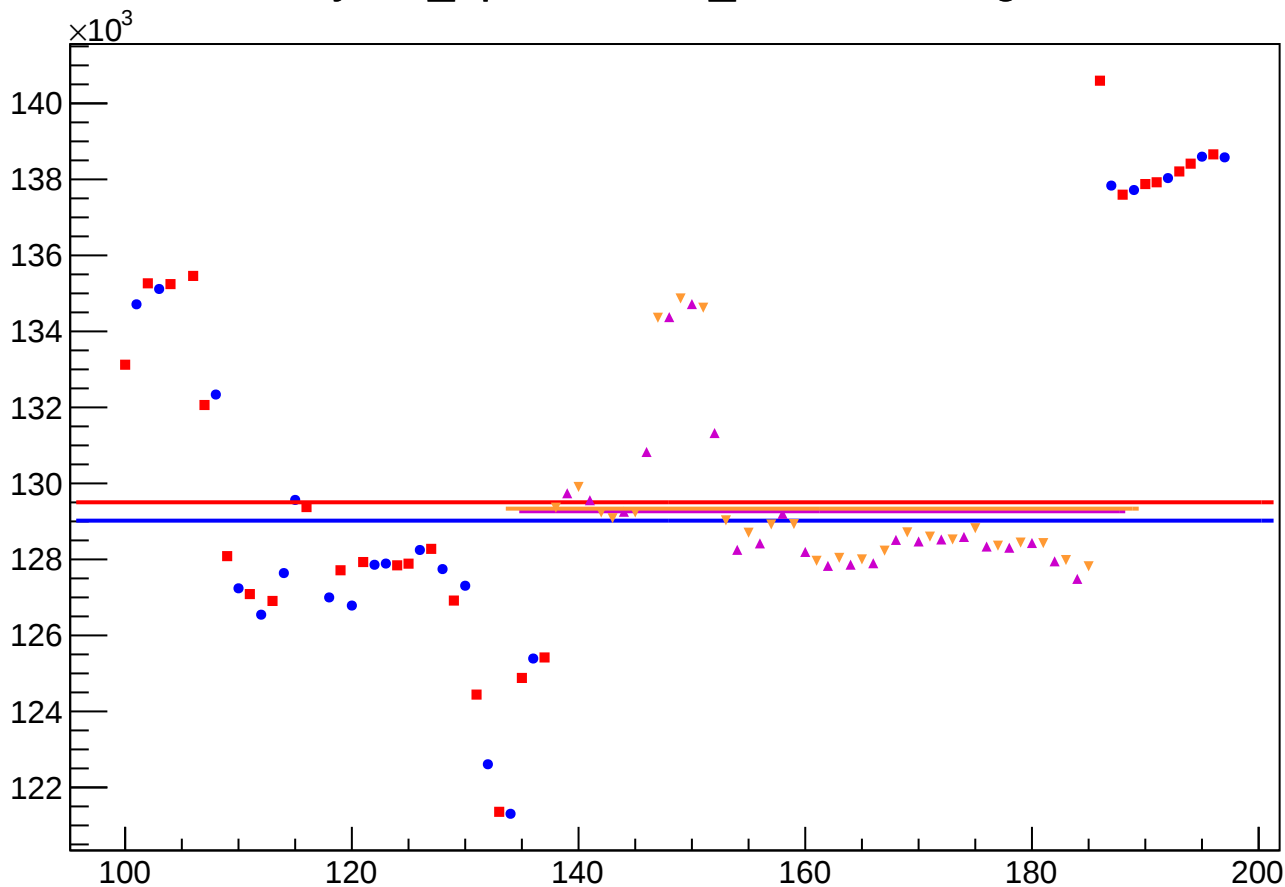
Right Out: 181.468 $\pm$ 0.042 χ^2 /NDF: 3001726.1/25

All: 191.663 $\pm$ 0.019 χ^2 /NDF: 7268501.9/95

- sign 191.058 $\pm$ 0.026 χ^2 /NDF: 3881062.4/48

Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

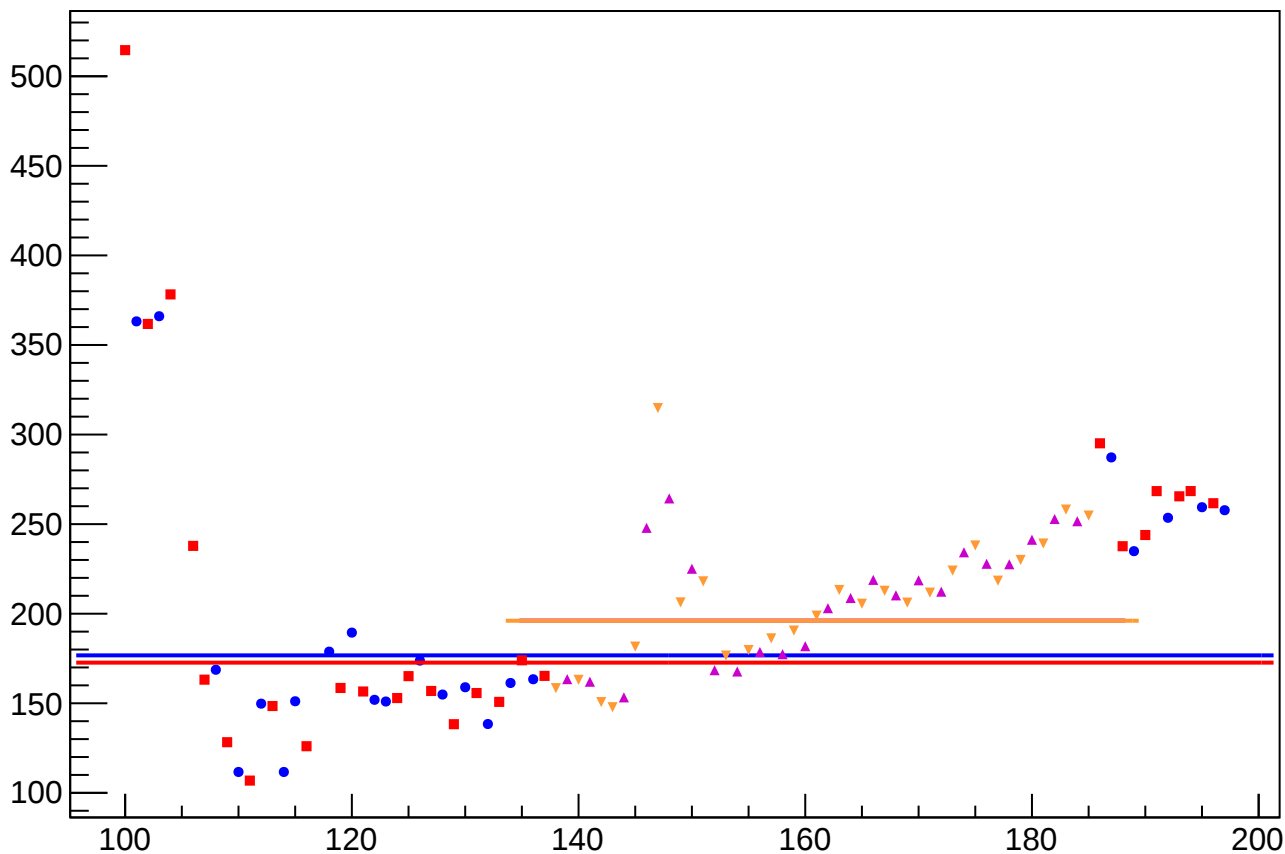
yield_bpm0l05WS_mean vs Slug



Right In: 129020.004 ± 0.060 $\chi^2/\text{NDF}: 6602364454.8/21$
 Left Out: 129335.946 ± 0.047 $\chi^2/\text{NDF}: 1450933621.0/24$
 Right Out: 129503.026 ± 0.055 $\chi^2/\text{NDF}: 8045945224.5/25$
 Left In: 129266.909 ± 0.048 $\chi^2/\text{NDF}: 1213762773.1/22$

+ sign 129217.674 ± 0.037 $\chi^2/\text{NDF}: 8070412213.0/24$
 - sign 129368.535 ± 0.036 $\chi^2/\text{NDF}: 9270056000.1/24$
 All: 129294.374 ± 0.026 $\chi^2/\text{NDF}: 173489387.0/49$

yield_bpm0l05WS_rms vs Slug



Right In: 176.745 ± 0.043 χ^2/NDF : 1636417.5/21

Left Out: 196.077 ± 0.033 χ^2/NDF : 975710.9/24

Right Out: 172.692 ± 0.039 χ^2/NDF : 2251069.8/25

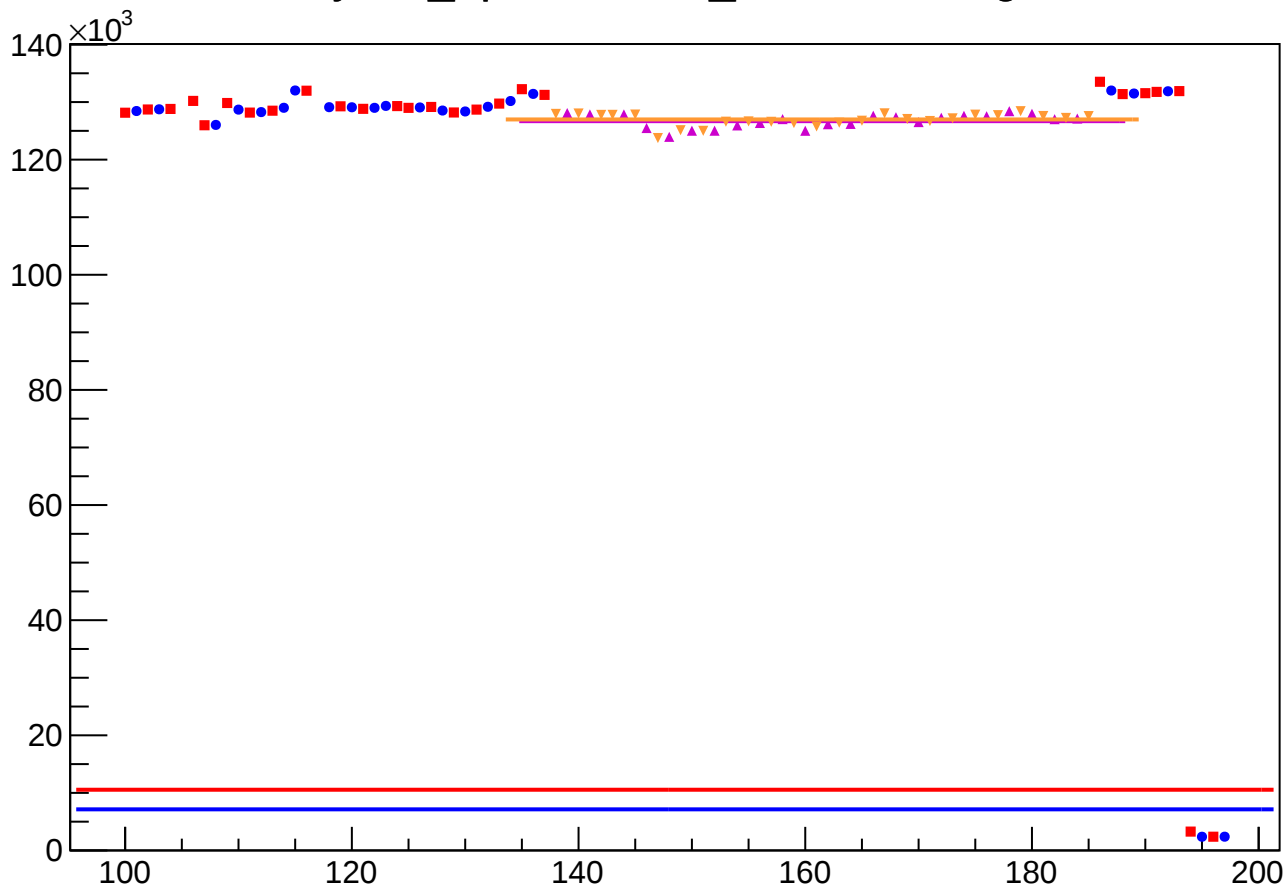
Left In: 196.186 ± 0.034 χ^2/NDF : 898058.0/22

+ sign 188.840 ± 0.026 χ^2/NDF : 2740279.2/46

All: 187.434 ± 0.018 χ^2/NDF : 6100012.6/95

- sign 186.074 ± 0.026 χ^2/NDF : 3354036.6/48

yield_bpm0l06WS_mean vs Slug



Right In: 7140.778 $\pm$ 0.011 χ^2 /NDF: 4747147281849.2/21

Left Out: 126981.724 $\pm$ 0.046 χ^2 /NDF: 530573115.8/24

Right Out: 10547.433 $\pm$ 0.013 χ^2 /NDF: 5500568456509.4/25

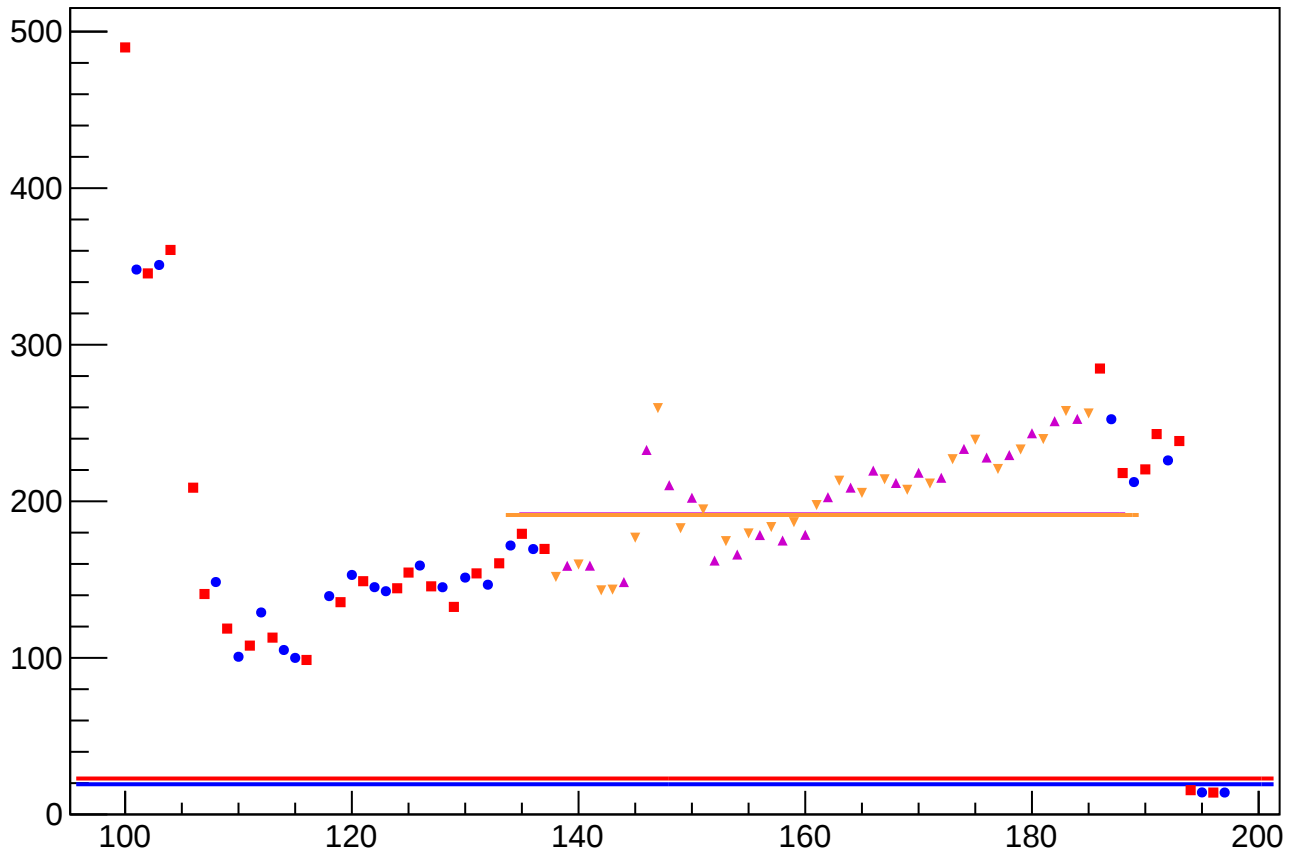
Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22

+ sign 13824.284 $\pm$ 0.011 χ^2 /NDF: 1129153595890

All: 15966.304 $\pm$ 0.008 χ^2 /NDF: 2255458159

- sign 18915.396 $\pm$ 0.013 χ^2 /NDF: 1116868678017

yield_bpm0l06WS_rms vs Slug



Right In: 19.285 $\pm$ 0.008 χ^2 /NDF: 12957193.2/21

Left Out: 191.263 $\pm$ 0.032 χ^2 /NDF: 992566.2/24

Right Out: 22.957 $\pm$ 0.009 χ^2 /NDF: 14833700.0/25

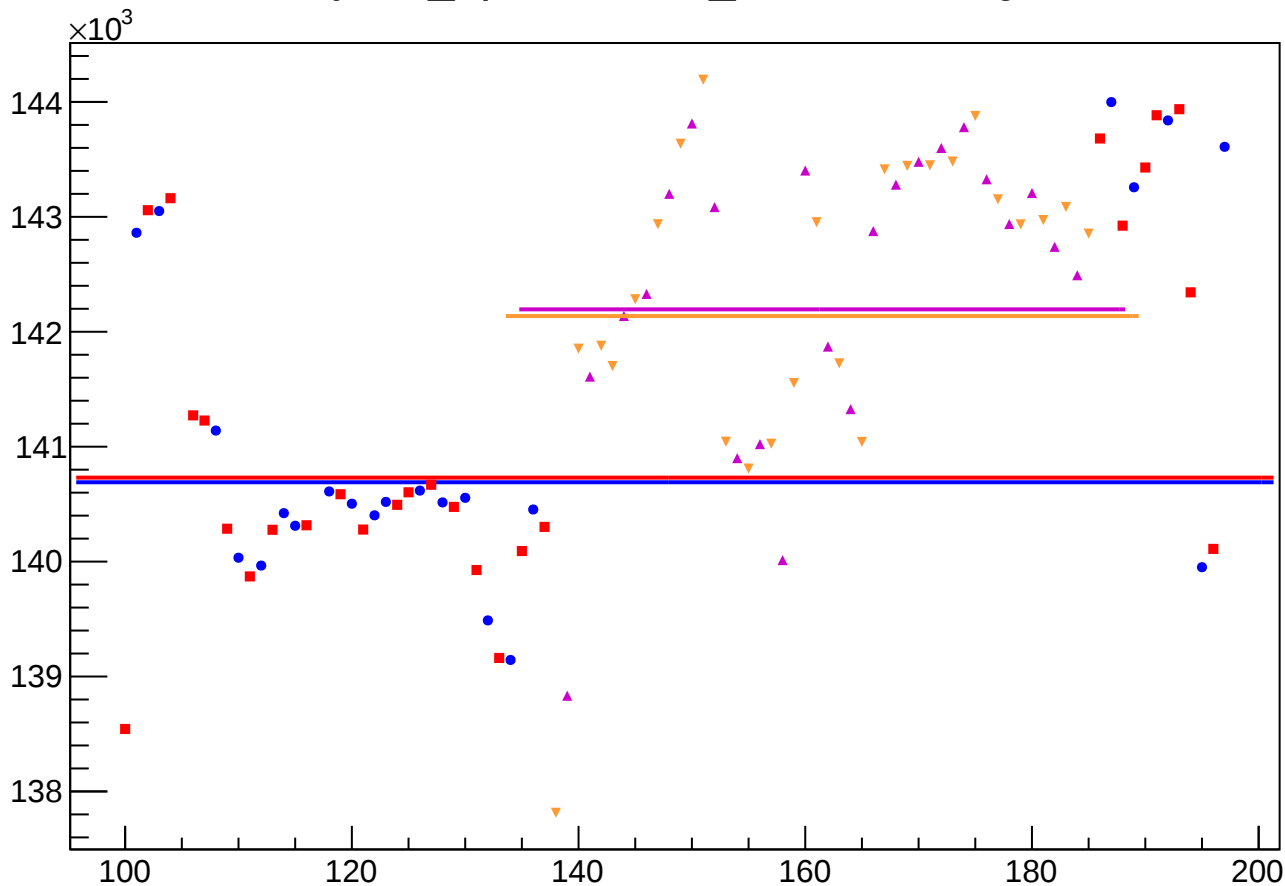
Left In: 191.683 $\pm$ 0.033 χ^2 /NDF: 864384.9/22

+ sign 28.876 $\pm$ 0.008 χ^2 /NDF: 40902213.0/46

All: 31.501 $\pm$ 0.006 χ^2 /NDF: 80808642.4/95

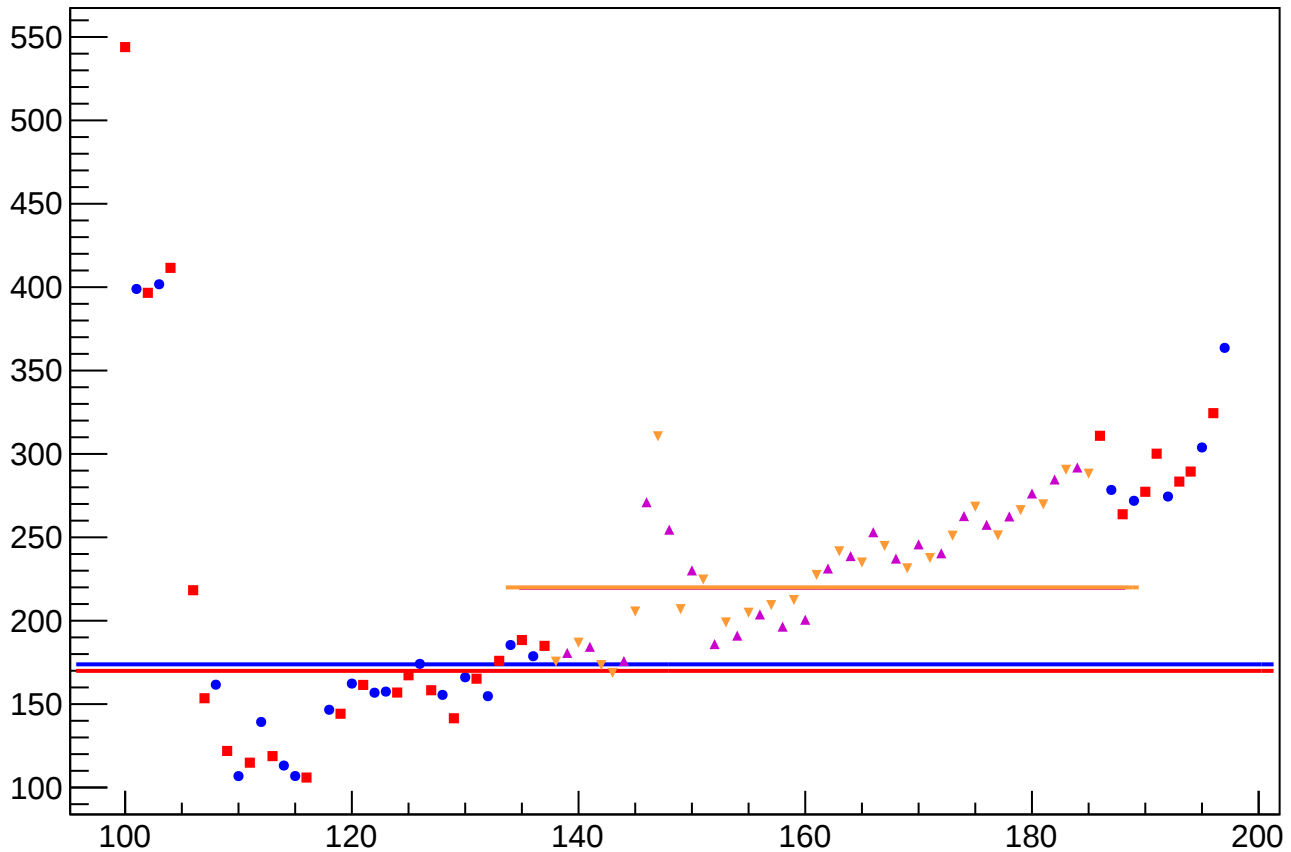
- sign 35.114 $\pm$ 0.009 χ^2 /NDF: 39623131.5/48

yield_bpm0l07WS_mean vs Slug



Right In: 140690.414 $\pm$ 0.060 χ^2 /NDF: 340420142.0/21
 Left Out: 142136.579 $\pm$ 0.052 χ^2 /NDF: 815573343.0/24
 Right Out: 140730.748 $\pm$ 0.055 χ^2 /NDF: 409193271.5/25
 Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22
 + sign 141515.108 $\pm$ 0.040 χ^2 /NDF: 1484250581.7
 All: 141497.276 $\pm$ 0.028 χ^2 /NDF: 289859842
 - sign 141480.314 $\pm$ 0.039 χ^2 /NDF: 1413950436.1

yield_bpm0l07WS_rms vs Slug



Right In: 173.843+/-0.043 χ^2/NDF : 2391910.8/21

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

+ sign 200.147+/-0.028 χ^2/NDF : 3926402.9/46

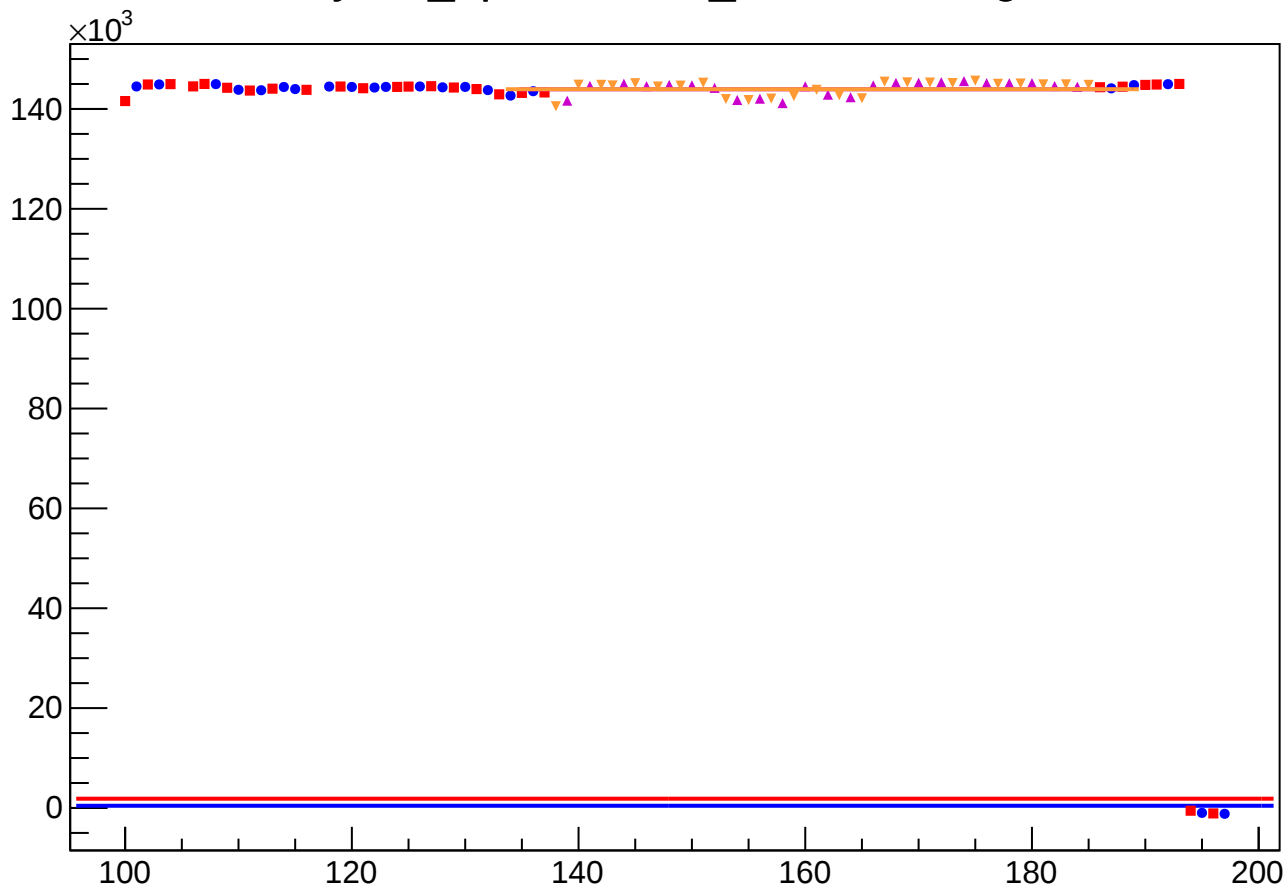
Right Out: 169.933+/-0.039 χ^2/NDF : 2987946.9/25

All: 197.715+/-0.020 χ^2/NDF : 8574752.5/95

Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

- sign 195.401+/-0.027 χ^2/NDF : 4633561.2/48

yield_bpm0l08WS_mean vs Slug



Right In: 438.940 $\pm$ 0.006 χ^2 /NDF: 5245040575259.5/21

Left Out: 143951.284 $\pm$ 0.052 χ^2 /NDF: 864679545.2/24

Right Out: 1854.648 $\pm$ 0.008 χ^2 /NDF: 6274724066663.9/25

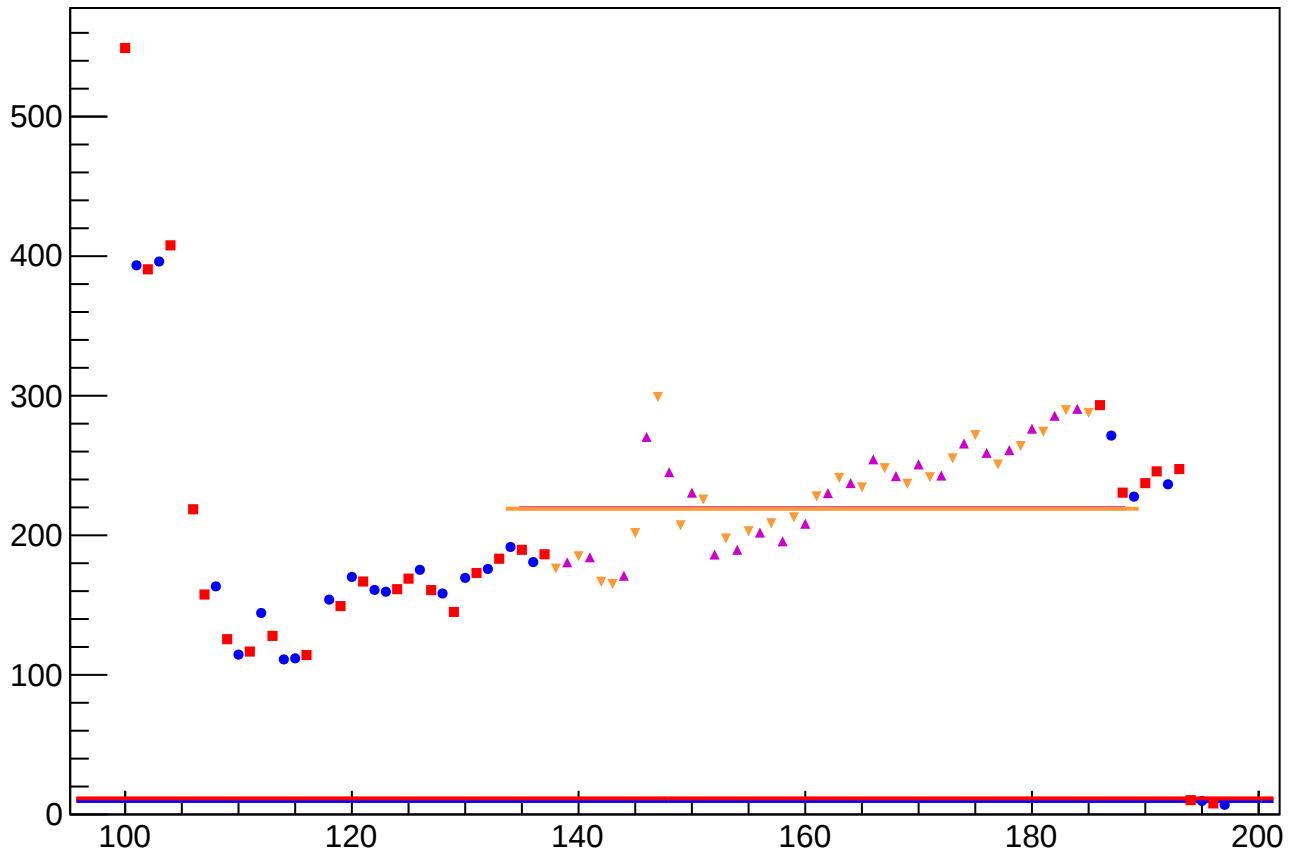
Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22

+ sign 2630.316 $\pm$ 0.006 χ^2 /NDF: 12707399869534

All: 3548.882 $\pm$ 0.005 χ^2 /NDF: 25846636384

- sign 4943.732 $\pm$ 0.008 χ^2 /NDF: 13088036931344

yield_bpm0l08WS_rms vs Slug



Right In: 9.692 ± 0.005 χ^2/NDF : 14572626.3/21

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 11.487 ± 0.006 χ^2/NDF : 16830292.4/25

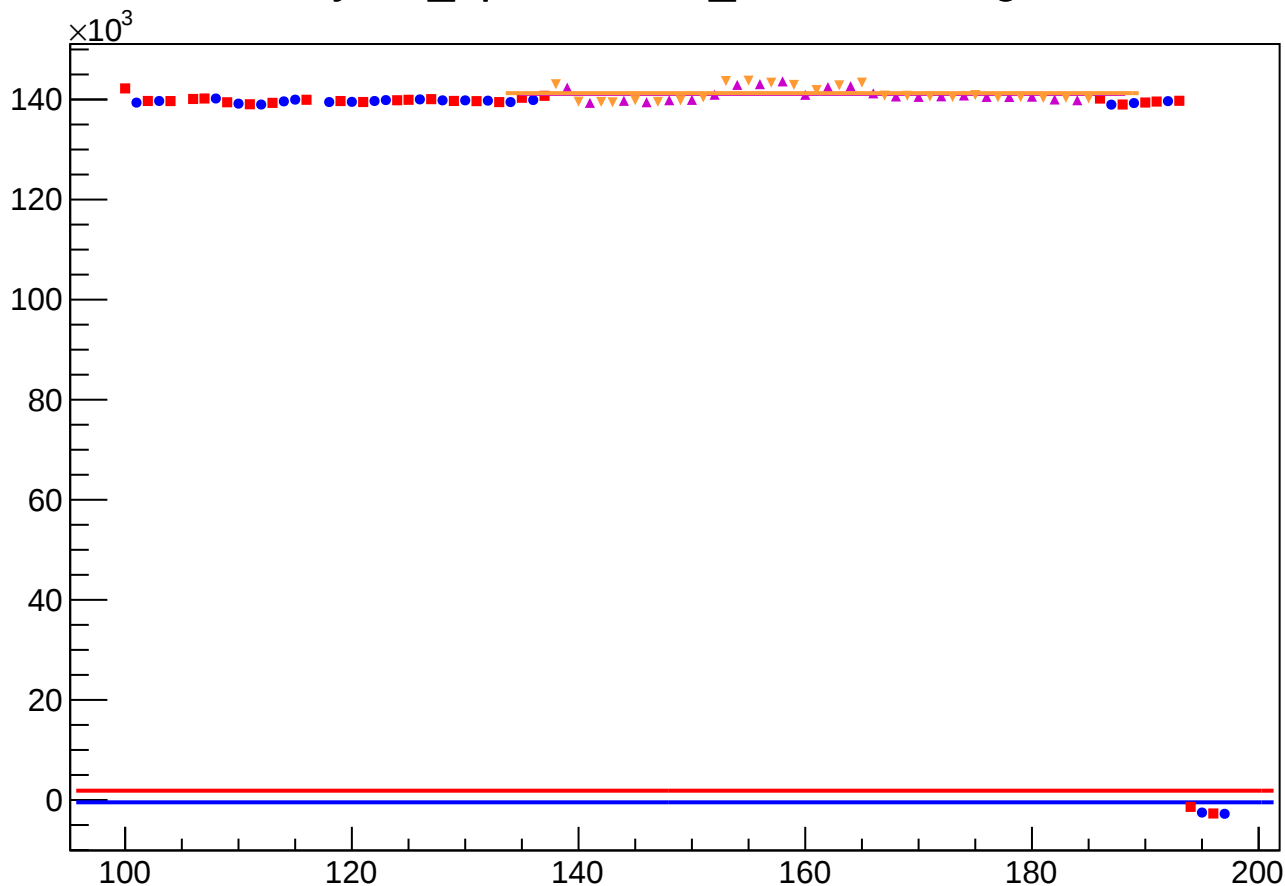
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 12.889 ± 0.005 χ^2/NDF : 47265066.7/46

All: 14.127 ± 0.004 χ^2/NDF : 94314257.9/95

- sign 16.008 ± 0.006 χ^2/NDF : 46863129.6/48

yield_bpm0l09WS_mean vs Slug



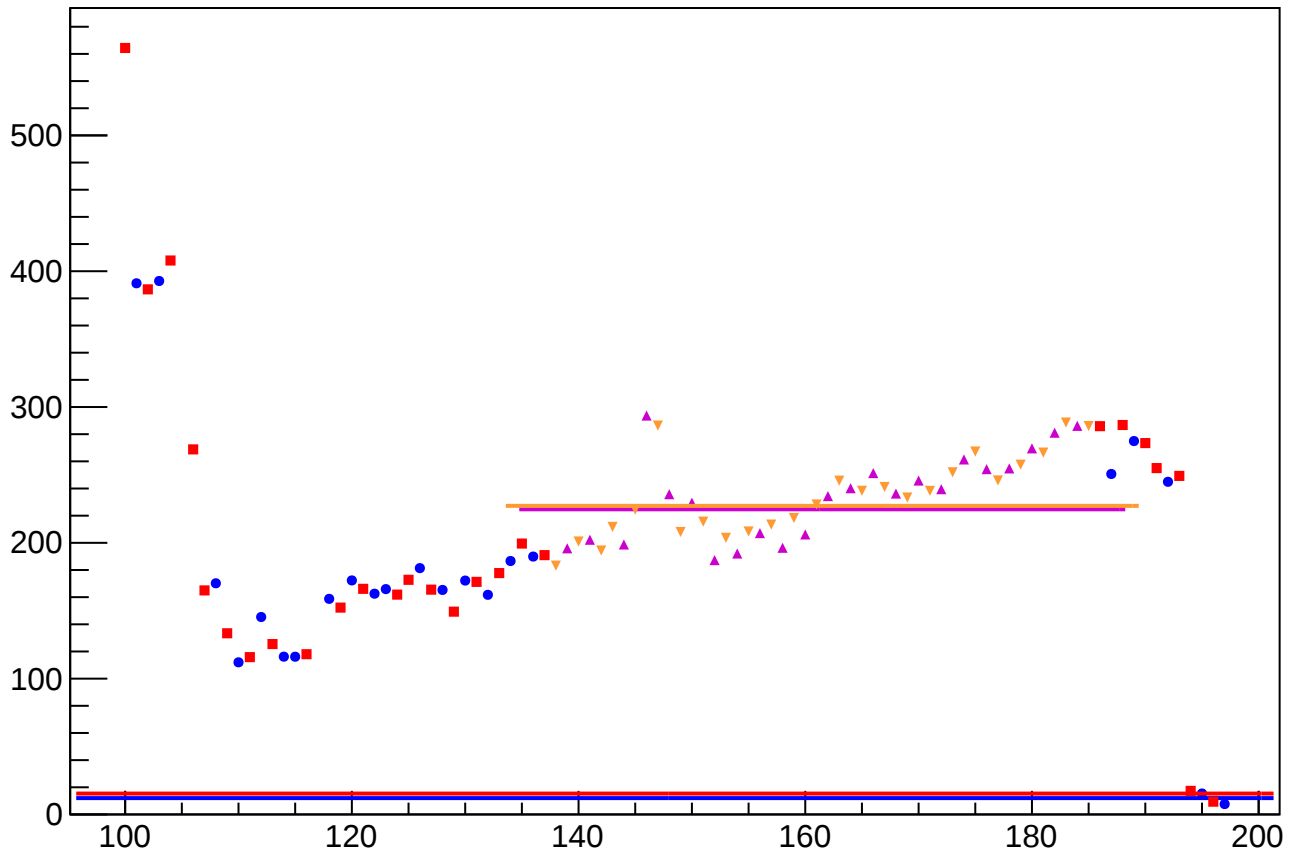
Right In: -464.937+/-0.008 χ^2/NDF : 4795616762760.6/21

Left Out: 141268.791+/-0.054 χ^2/NDF : 795989244.2/24 + sign 2673.682+/-0.008 χ^2/NDF : 11608639114794

Right Out: 1860.040+/-0.010 χ^2/NDF : 5608767357259.5/25 All: 4191.082+/-0.006 χ^2/NDF : 23521832051

Left In: 141119.484+/-0.055 χ^2/NDF : 565312728.1/22 - sign 6662.234+/-0.010 χ^2/NDF : 11818412610796

yield_bpm0l09WS_rms vs Slug



Right In: 12.037+/-0.006 χ^2/NDF : 14507638.5/21

Left Out: 227.224+/-0.038 χ^2/NDF : 484955.3/24

Right Out: 15.377+/-0.007 χ^2/NDF : 16413102.3/25

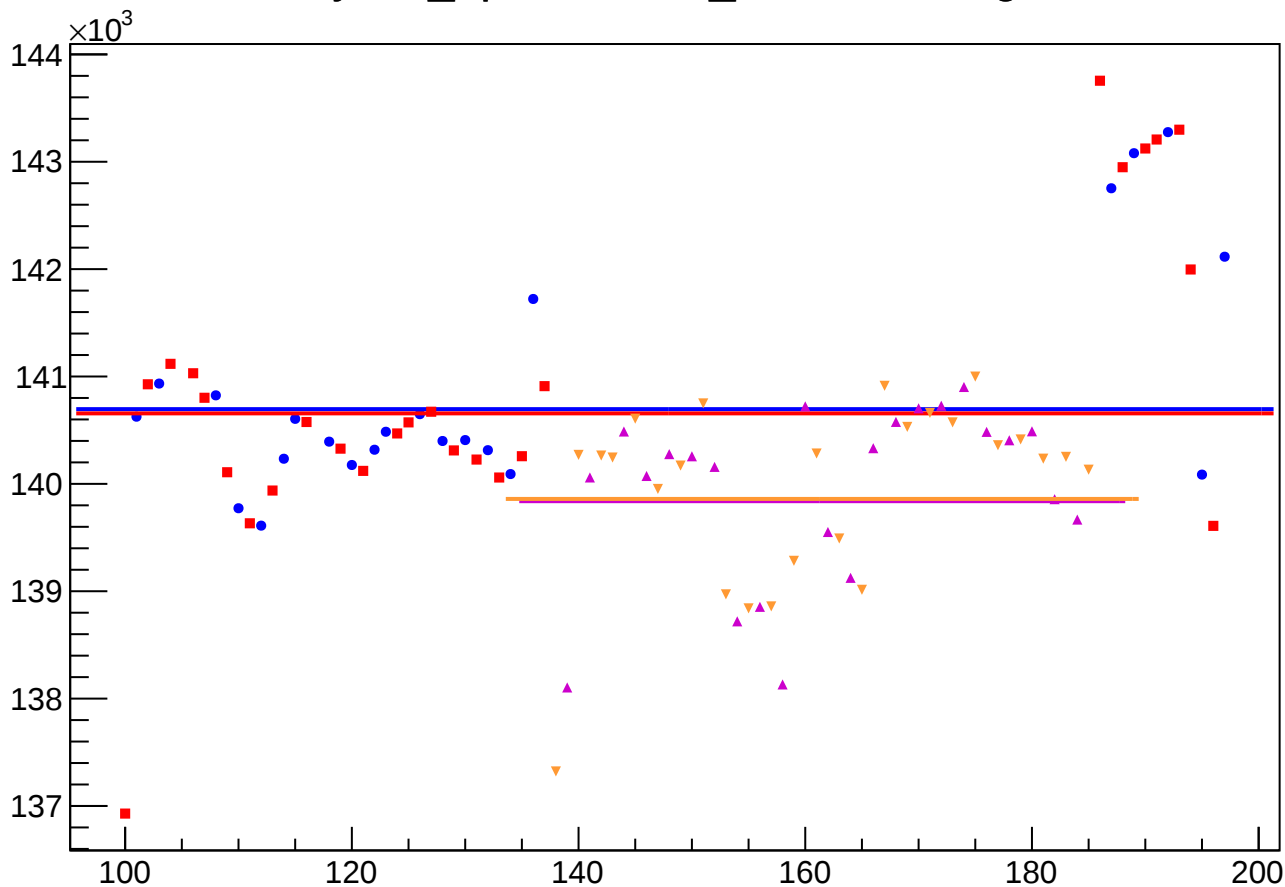
Left In: 224.686+/-0.039 χ^2/NDF : 578366.0/22

+ sign 16.802+/-0.006 χ^2/NDF : 46398037.4/46

All: 19.006+/-0.004 χ^2/NDF : 91842738.2/95

- sign 22.595+/-0.007 χ^2/NDF : 45044905.3/48

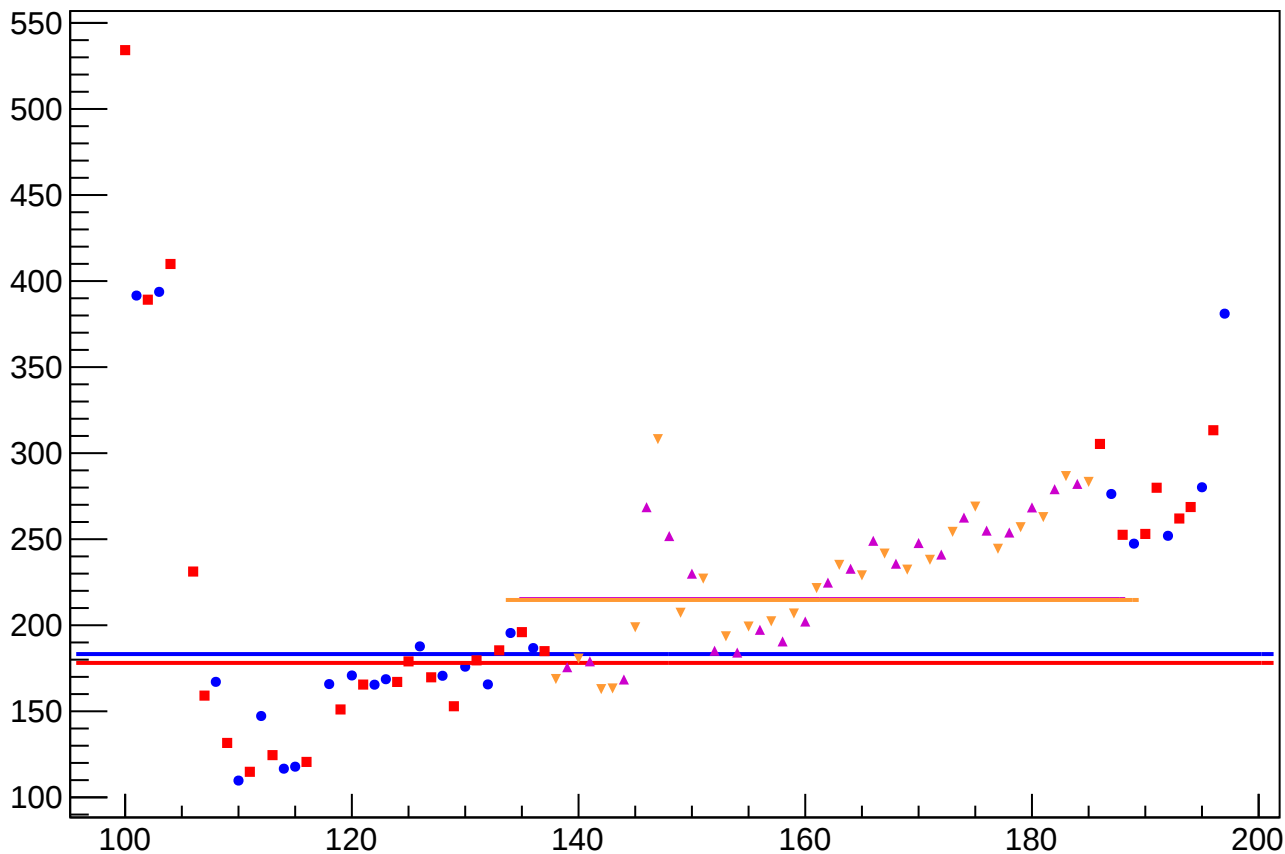
yield_bpm0l10WS_mean vs Slug



Right In: 140696.009 $\pm$ 0.063 χ^2 /NDF: 247434173.5/21
 Left Out: 139859.696 $\pm$ 0.051 χ^2 /NDF: 330118281.5/24
 Right Out: 140656.543 $\pm$ 0.057 χ^2 /NDF: 343242808.4/25
 Left In: 139838.724 $\pm$ 0.053 χ^2 /NDF: 279573689.3/22

+ sign 140191.798 $\pm$ 0.040 χ^2 /NDF: 683929886.0/4
 All: 140203.933 $\pm$ 0.028 χ^2 /NDF: 141746967
 - sign 140215.523 $\pm$ 0.039 χ^2 /NDF: 733356888.4/4

yield_bpm0l10WS_rms vs Slug



Right In: 183.254+/-0.045 χ^2/NDF : 1999461.6/21

Left Out: 214.693+/-0.036 χ^2/NDF : 981105.5/24

Right Out: 178.113+/-0.040 χ^2/NDF : 2467567.3/25

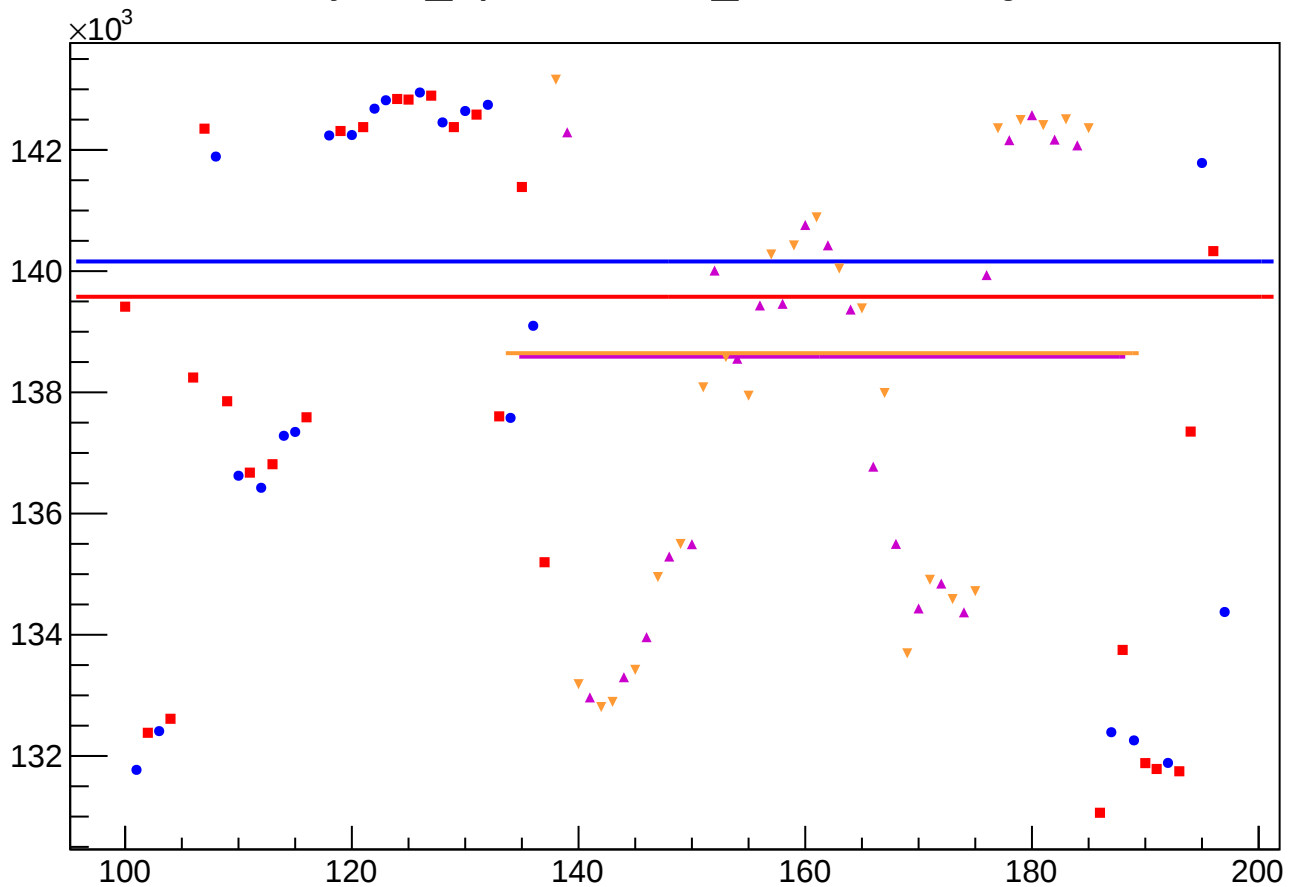
Left In: 215.222+/-0.037 χ^2/NDF : 881945.0/22

+ sign 202.208+/-0.028 χ^2/NDF : 3281220.4/46

All: 200.119+/-0.020 χ^2/NDF : 7096766.1/95

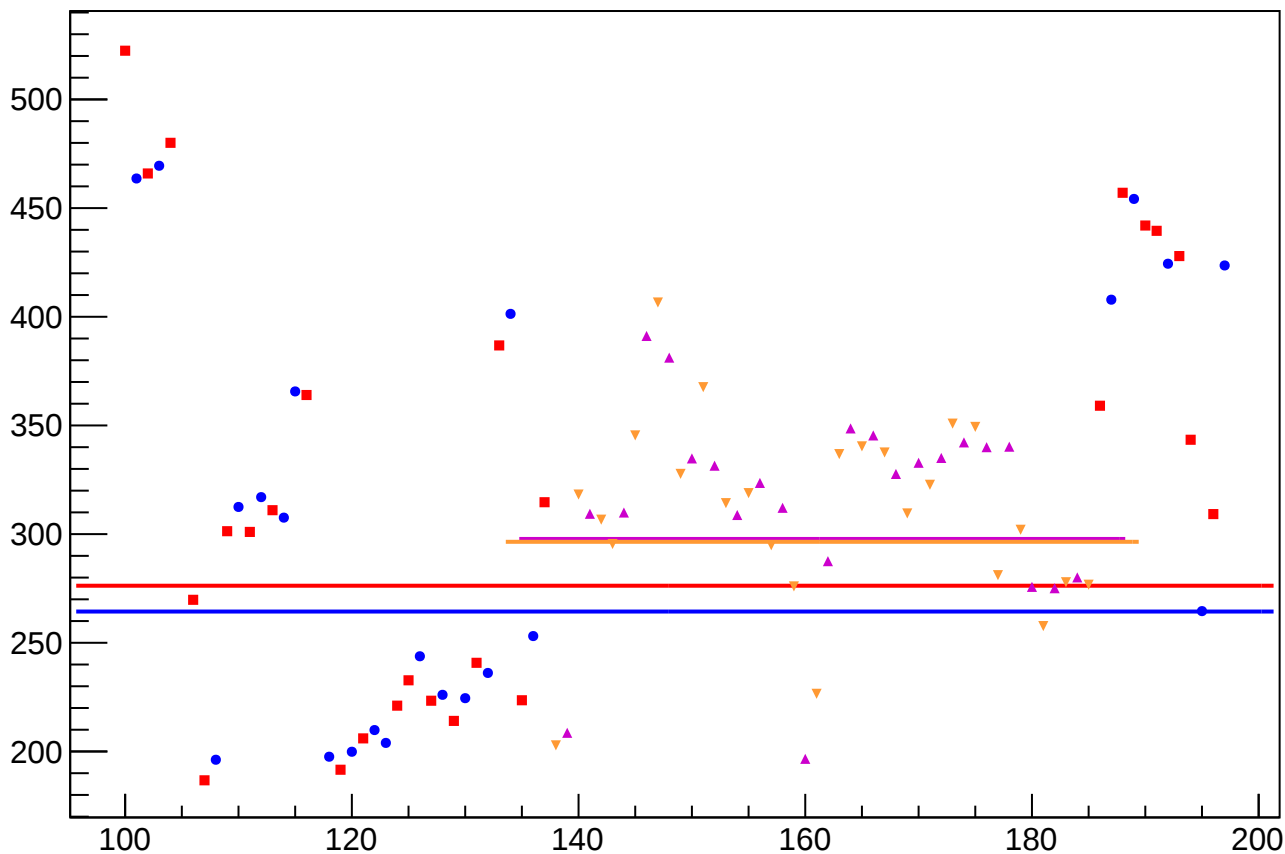
- sign 198.124+/-0.027 χ^2/NDF : 3804705.5/48

yield_bpm0r03WS_mean vs Slug



Right In: 140159.701+/-0.090	χ^2/NDF : 1552984148.8/21	+ sign 139224.132+/-0.056	χ^2/NDF : 4275803926.6
Left Out: 138646.366+/-0.071	χ^2/NDF : 2548637600.4/24	All: 139112.184+/-0.040	χ^2/NDF : 807573340
Right Out: 139577.136+/-0.088	χ^2/NDF : 1769242906.6/25	- sign 138997.371+/-0.056	χ^2/NDF : 3791749409.3/
Left In: 138588.711+/-0.074	χ^2/NDF : 1948065195.1/22		

yield_bpm0r03WS_rms vs Slug



Right In: 264.380 ± 0.064 $\chi^2/\text{NDF}: 1576648.4/21$

Left Out: 296.464 ± 0.050 $\chi^2/\text{NDF}: 893579.7/24$

Right Out: 276.257 ± 0.062 $\chi^2/\text{NDF}: 1893330.7/25$

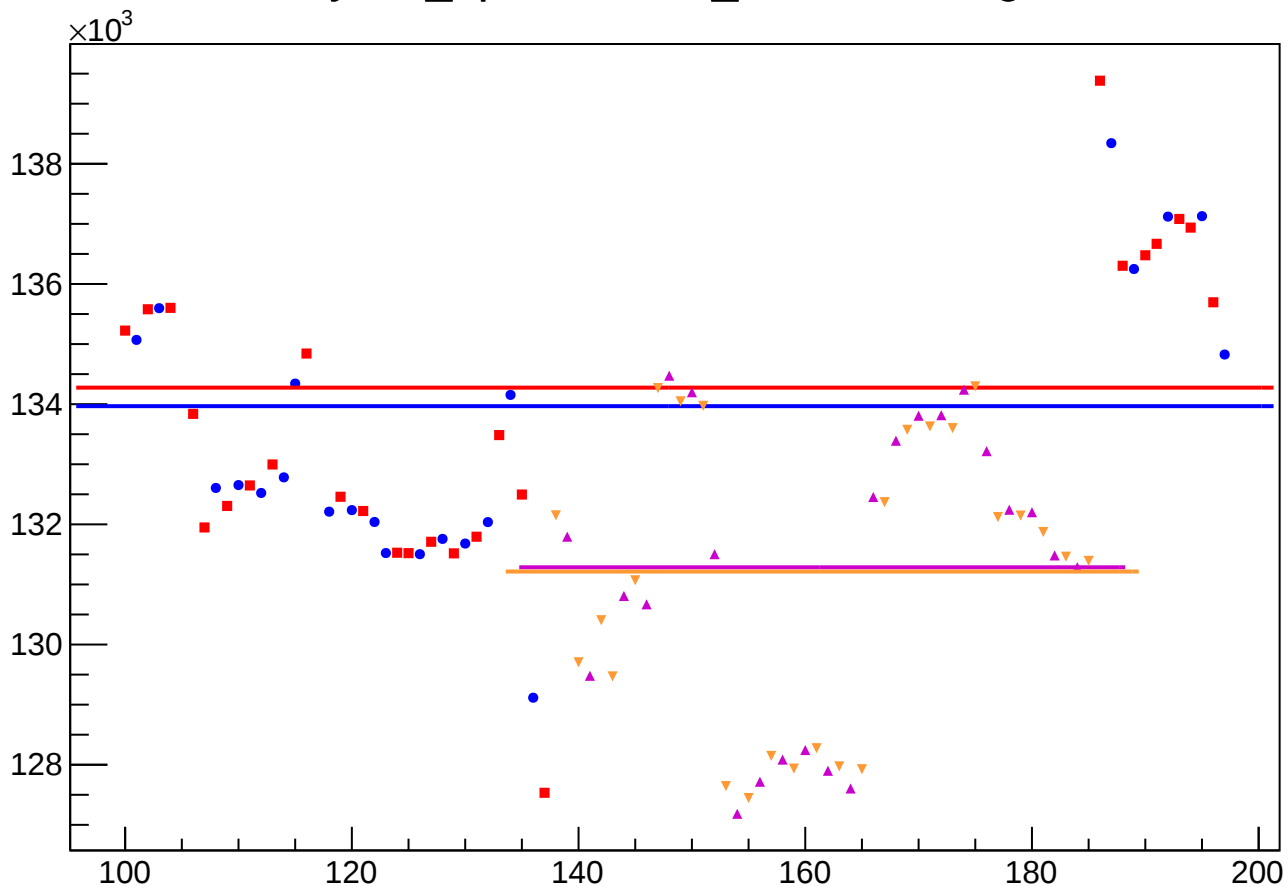
Left In: 297.774 ± 0.052 $\chi^2/\text{NDF}: 1061489.5/22$

+ sign 284.215 ± 0.039 $\chi^2/\text{NDF}: 2626810.7/46$

All: 286.517 ± 0.028 $\chi^2/\text{NDF}: 5659103.2/95$

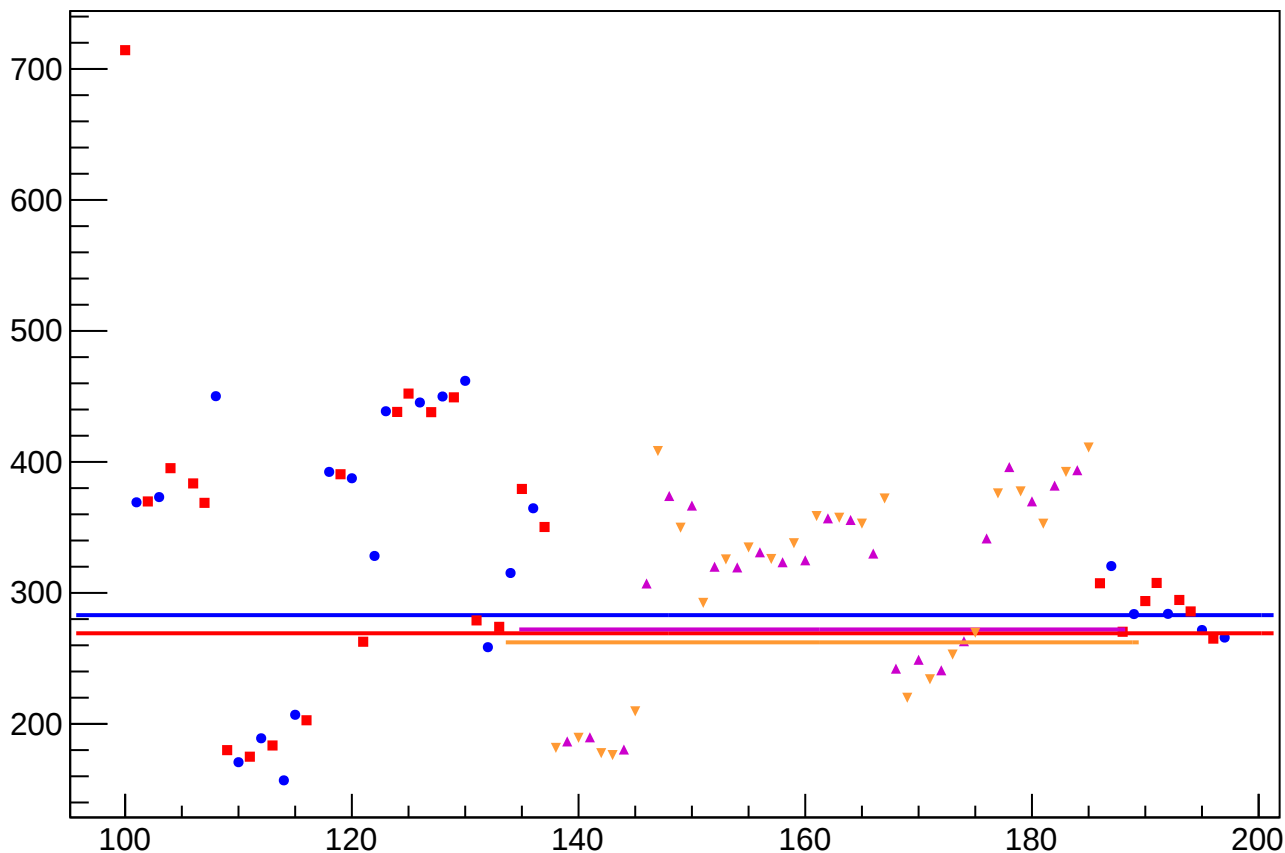
- sign 288.878 ± 0.040 $\chi^2/\text{NDF}: 3025374.8/48$

yield_bpm0r05WS_mean vs Slug



Right In: 133966.945 ± 0.095 $\chi^2/\text{NDF}: 589836569.8/21$
 Left Out: 131214.985 ± 0.064 $\chi^2/\text{NDF}: 1173424494.6/24$
 Right Out: 134275.193 ± 0.085 $\chi^2/\text{NDF}: 676486721.5/25$
 Left In: 131285.623 ± 0.068 $\chi^2/\text{NDF}: 1056232192.1/22$
 All: 132268.683 ± 0.038 $\chi^2/\text{NDF}: 48474586$
 + sign 132073.771 ± 0.053 $\chi^2/\text{NDF}: 2334595294.8$
 - sign 132462.606 ± 0.053 $\chi^2/\text{NDF}: 2486230581.4$

yield_bpm0r05WS_rms vs Slug



Right In: 283.027+/-0.068 χ^2/NDF : 1528327.2/21

Left Out: 262.260+/-0.045 χ^2/NDF : 2818169.1/24

Right Out: 269.181+/-0.060 χ^2/NDF : 1666561.8/25

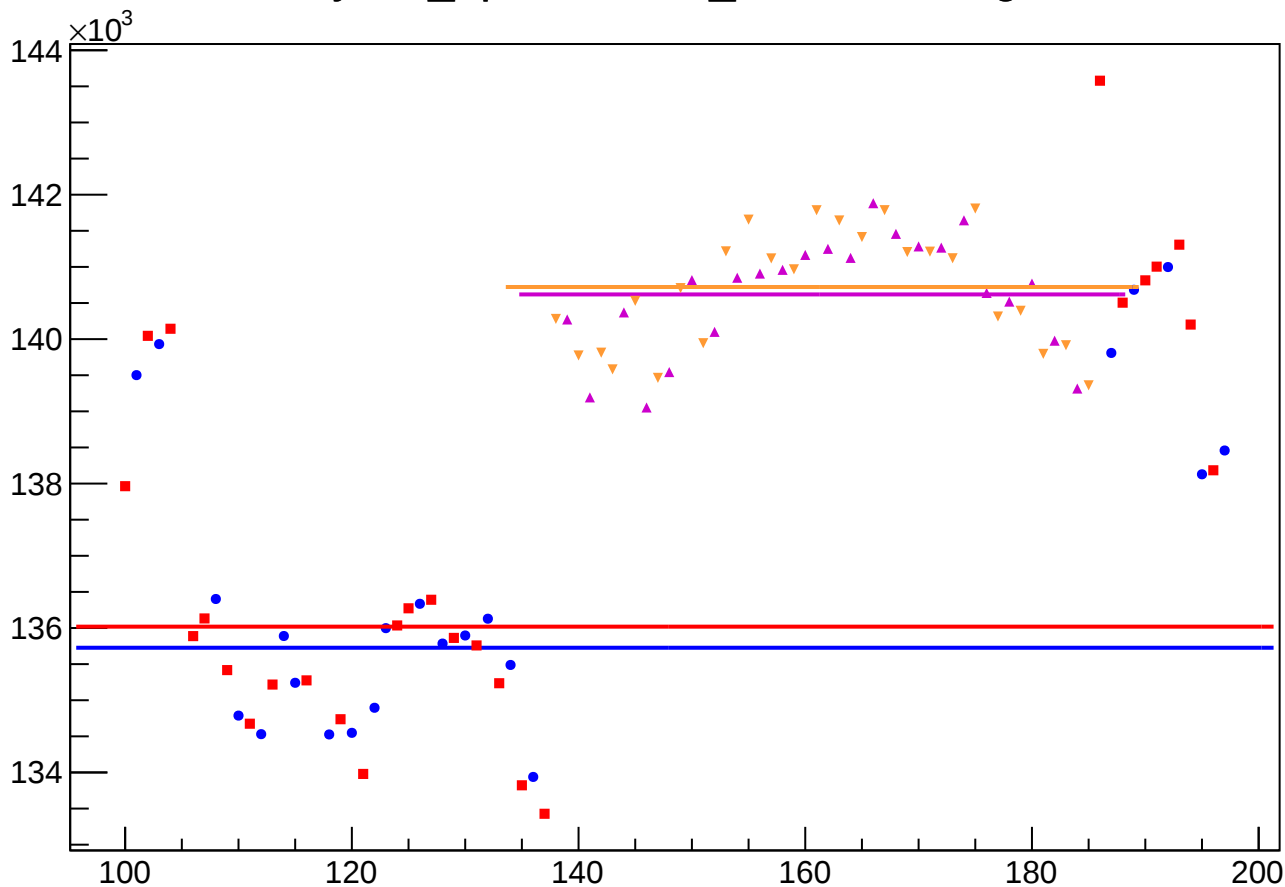
Left In: 272.115+/-0.048 χ^2/NDF : 2221925.0/22

+ sign 268.740+/-0.038 χ^2/NDF : 4411566.9/46

All: 269.853+/-0.027 χ^2/NDF : 8303240.3/95

- sign 270.960+/-0.038 χ^2/NDF : 3889938.0/48

yield_bpm0i02WS_mean vs Slug



Right In: 135726.872 ± 0.051 $\chi^2/\text{NDF}: 1186514974.2/21$

Left Out: 140721.823 ± 0.048 $\chi^2/\text{NDF}: 247257762.8/24$

Right Out: 136018.930 ± 0.048 $\chi^2/\text{NDF}: 1895598042.7/25$

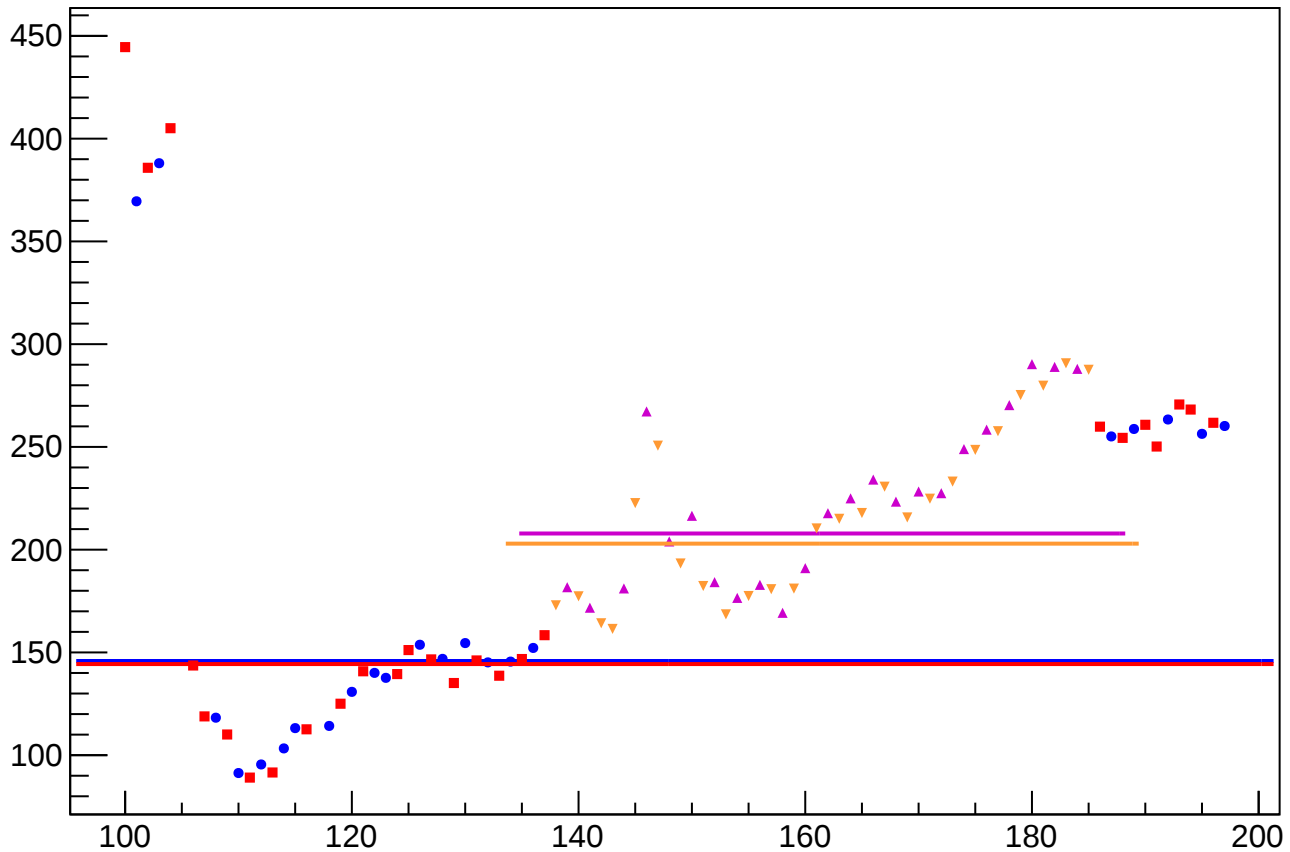
Left In: 140619.038 ± 0.051 $\chi^2/\text{NDF}: 200370178.0/22$

+ sign 138359.110 ± 0.035 $\chi^2/\text{NDF}: 6470331444.5$

All: 138254.587 ± 0.025 $\chi^2/\text{NDF}: 129321557$

- sign 138152.147 ± 0.035 $\chi^2/\text{NDF}: 6444305629.0$

yield_bpm0i02WS_rms vs Slug



Right In: 145.826+/-0.036 χ^2/NDF : 2710917.6/21

Left Out: 202.934+/-0.034 χ^2/NDF : 1052283.6/24

Right Out: 144.336+/-0.034 χ^2/NDF : 3390211.4/25

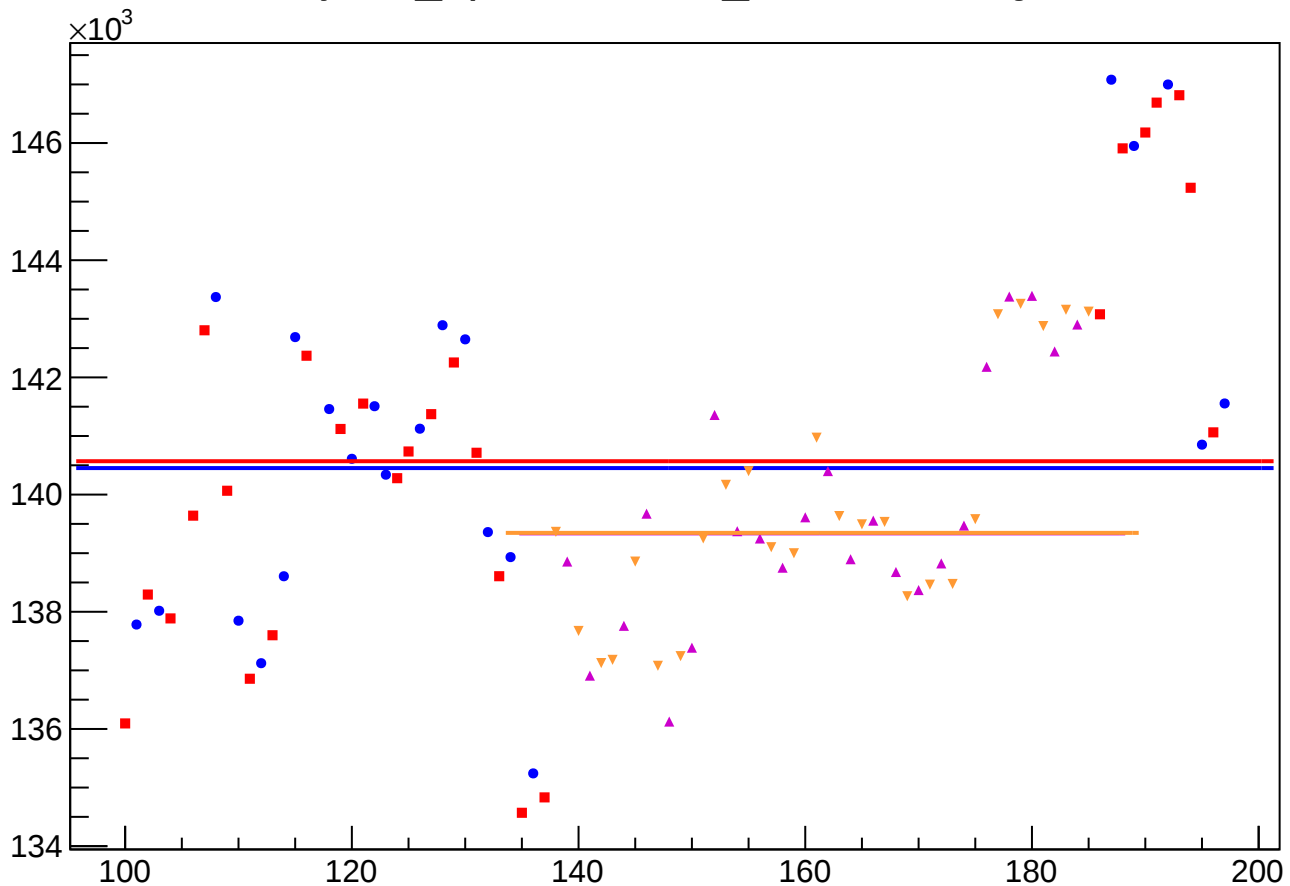
Left In: 207.872+/-0.036 χ^2/NDF : 949200.3/22

+ sign 175.921+/-0.025 χ^2/NDF : 5079949.7/46

All: 174.849+/-0.017 χ^2/NDF : 11082067.3/95

- sign 173.800+/-0.025 χ^2/NDF : 5998438.2/48

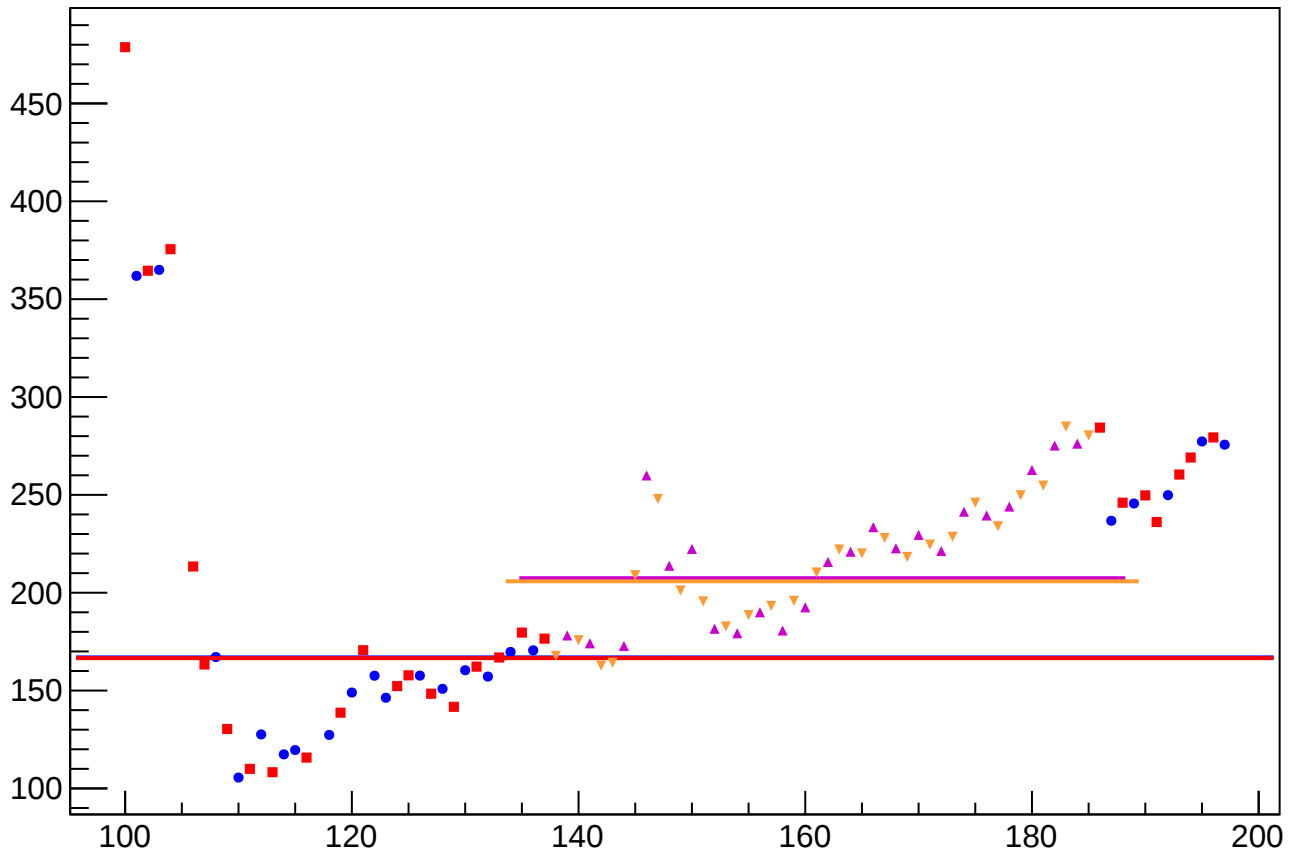
yield_bpm0i02aWS_mean vs Slug



Right In: 140452.390 ± 0.057 $\chi^2/\text{NDF}: 2767206293.0/21$
 Left Out: 139346.604 ± 0.049 $\chi^2/\text{NDF}: 1271172976.7/24$
 Right Out: 140569.543 ± 0.054 $\chi^2/\text{NDF}: 3209796116.9/25$
 Left In: 139337.874 ± 0.051 $\chi^2/\text{NDF}: 1293003954.9/22$

+ sign 139813.426 ± 0.037 $\chi^2/\text{NDF}: 4253681452.9$
 - sign 139920.834 ± 0.037 $\chi^2/\text{NDF}: 4780606824.6$
 All: 139867.602 ± 0.026 $\chi^2/\text{NDF}: 903848843$

yield_bpm0i02aWS_rms vs Slug



Right In: 166.945 $\pm$ 0.041 χ^2 /NDF: 1989707.0/21

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 166.574 $\pm$ 0.038 χ^2 /NDF: 2539132.0/25

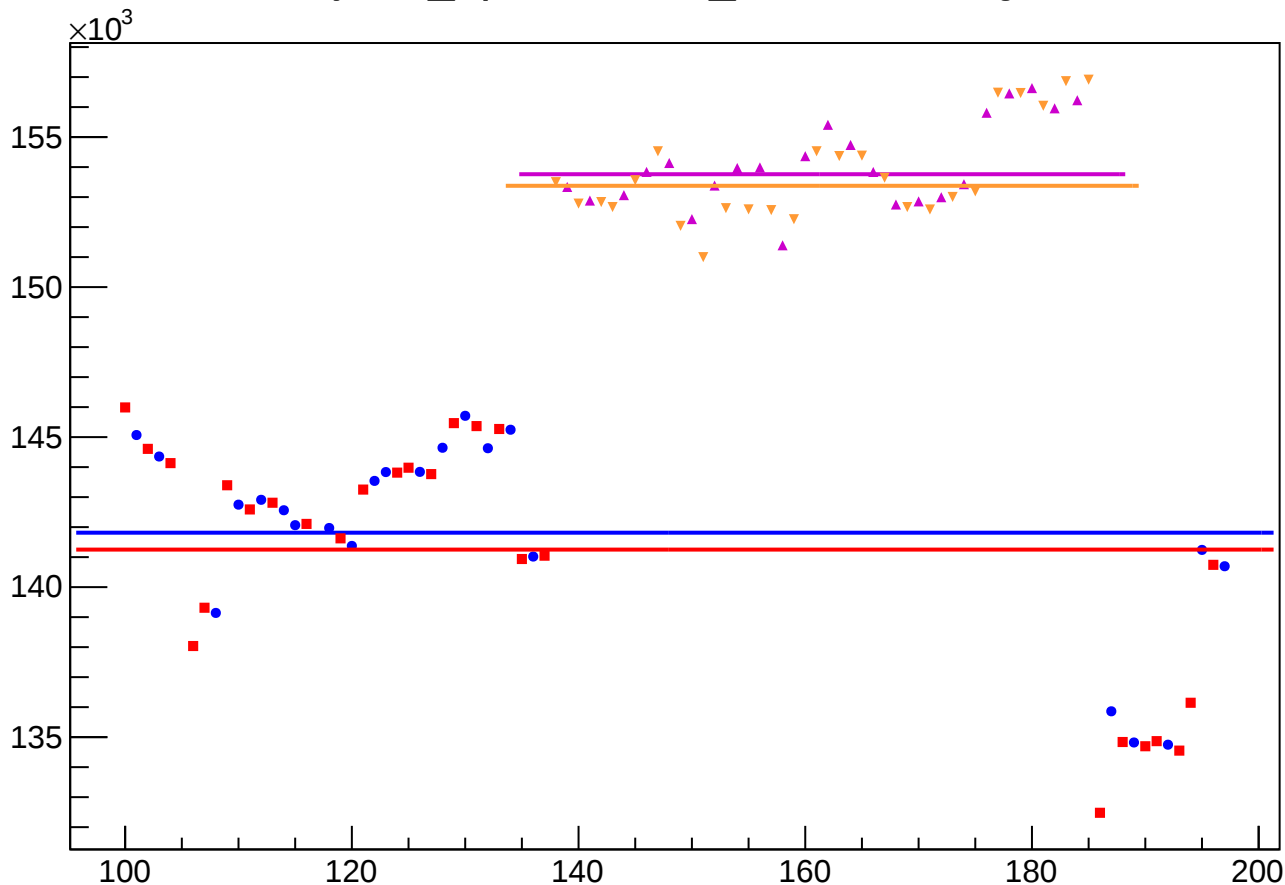
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 189.416 $\pm$ 0.026 χ^2 /NDF: 3260916.4/46

All: 188.745 $\pm$ 0.019 χ^2 /NDF: 7114230.3/95

- sign 188.085 $\pm$ 0.026 χ^2 /NDF: 3852024.7/48

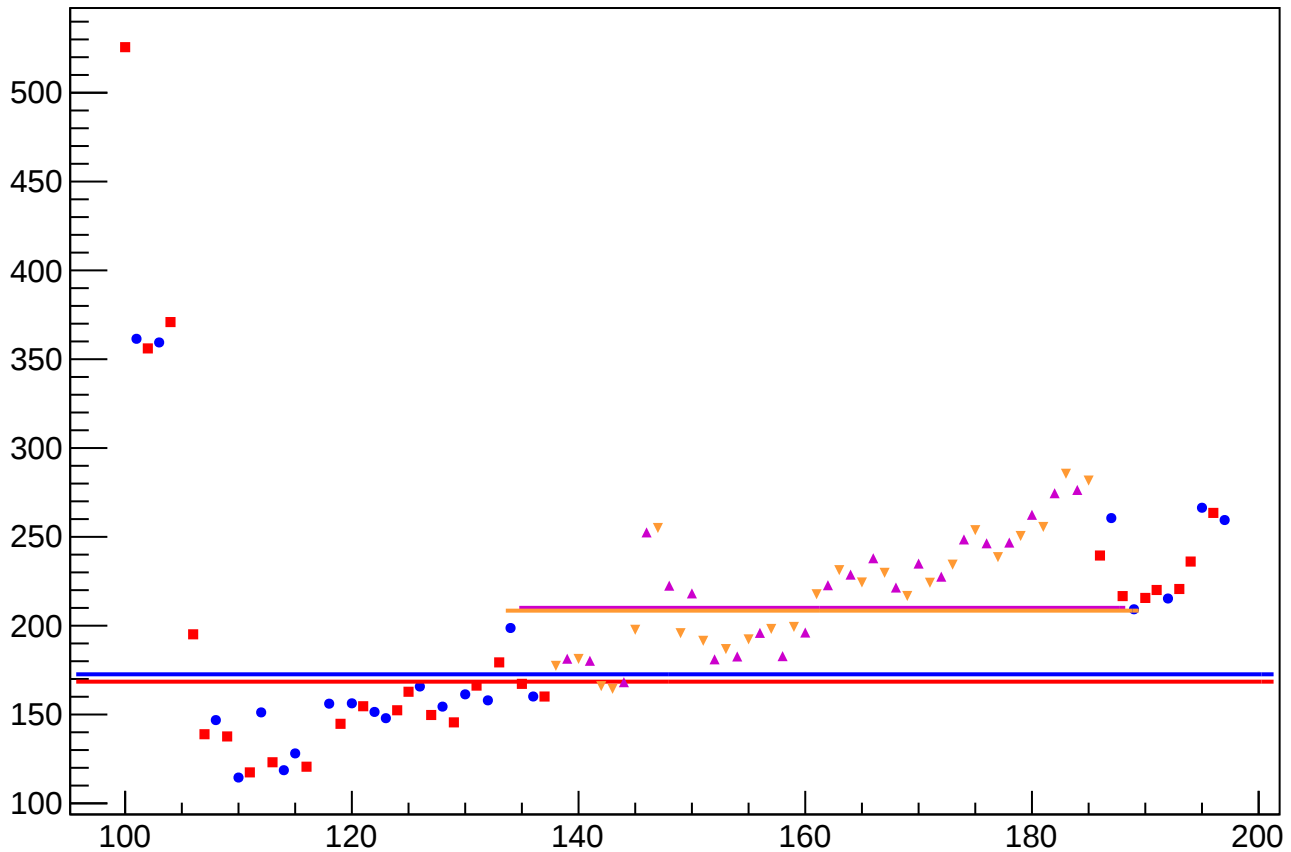
yield_bpm0i05WS_mean vs Slug



Right In: 141814.484 ± 0.058 χ^2/NDF : 2593841629.1/21
 Left Out: 153376.698 ± 0.050 χ^2/NDF : 803848095.1/24
 Right Out: 141251.151 ± 0.053 χ^2/NDF : 4390486050.4/25
 Left In: 153762.419 ± 0.051 χ^2/NDF : 635075685.0/22

+ sign 148539.941 ± 0.038 χ^2/NDF : 26188365019.
 All: 148124.667 ± 0.026 χ^2/NDF : 599844930.
 - sign 147726.134 ± 0.037 χ^2/NDF : 33559353271.2

yield_bpm0i05WS_rms vs Slug



Right In: 172.635+/-0.041 χ^2/NDF : 1479982.2/21

Left Out: 208.466+/-0.035 χ^2/NDF : 720894.7/24

+ sign 193.477+/-0.027 χ^2/NDF : 2638623.7/46

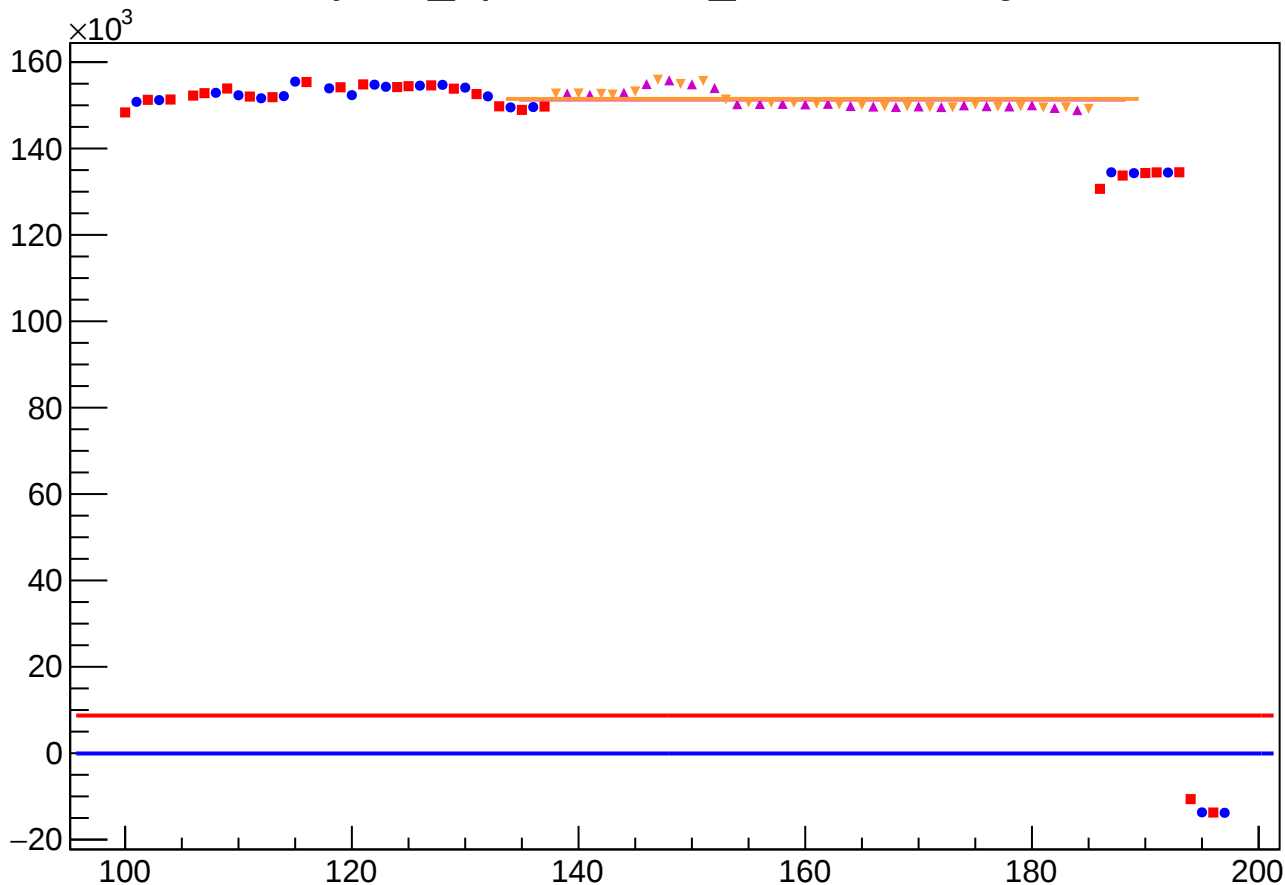
Right Out: 168.492+/-0.038 χ^2/NDF : 1795550.9/25

All: 191.699+/-0.019 χ^2/NDF : 5774491.9/95

- sign 189.993+/-0.026 χ^2/NDF : 3127191.4/48

Left In: 210.038+/-0.036 χ^2/NDF : 702369.5/22

yield_bpm0i07WS_mean vs Slug



Right In: -58.063 ± 0.019 $\chi^2/\text{NDF}: 5510254475404.6/21$

Left Out: 151483.385 ± 0.050 $\chi^2/\text{NDF}: 1481910066.9/24$

Right Out: 8726.294 ± 0.022 $\chi^2/\text{NDF}: 6340553529892.6/25$

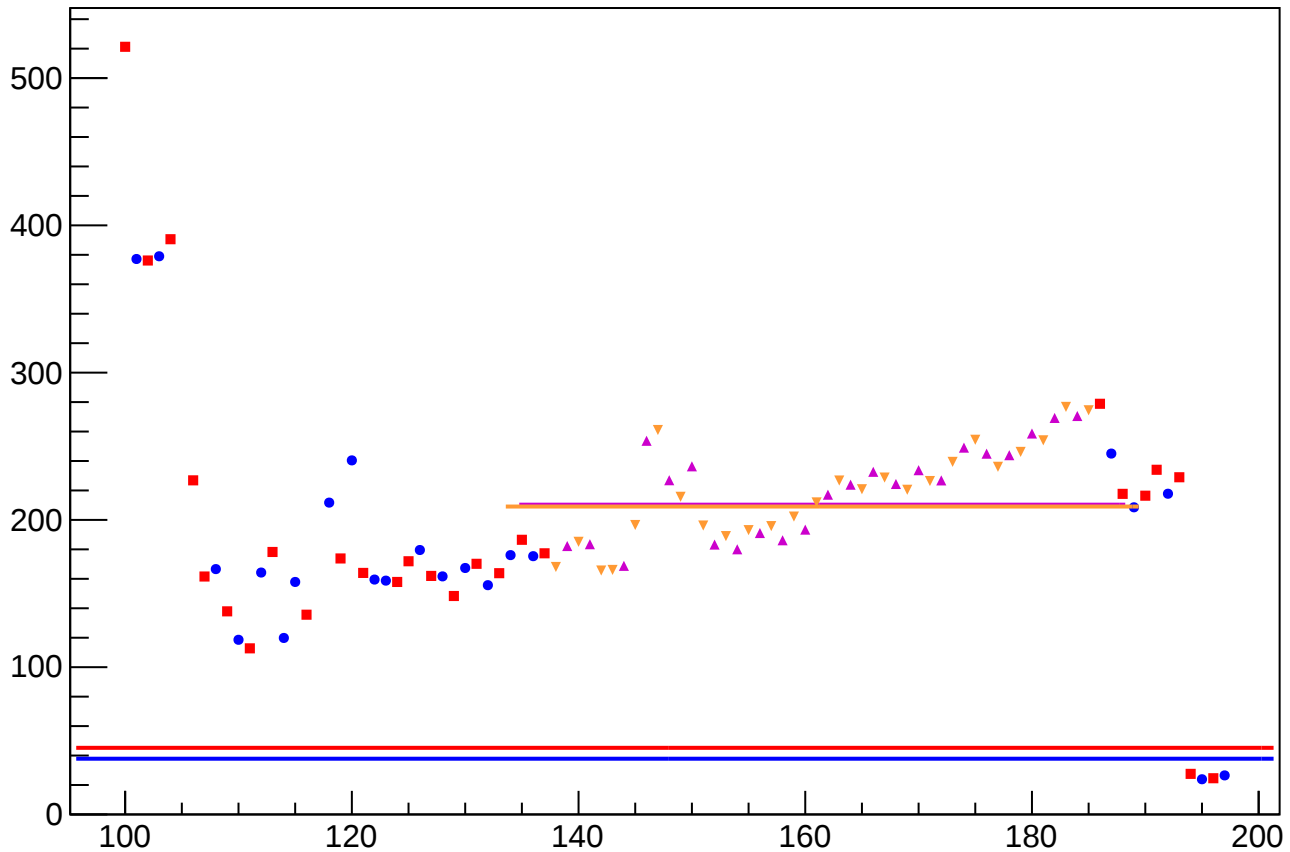
Left In: 151363.165 ± 0.051 $\chi^2/\text{NDF}: 1421662089.0/22$

+ sign 19948.913 ± 0.018 $\chi^2/\text{NDF}: 1363942511723$

All: 24701.224 ± 0.013 $\chi^2/\text{NDF}: 2665475840$

- sign 30665.995 ± 0.020 $\chi^2/\text{NDF}: 1285803372801$

yield_bpm0i07WS_rms vs Slug



Right In: 37.849+/-0.014 χ^2/NDF : 10828263.1/21

Left Out: 209.076+/-0.035 χ^2/NDF : 708260.3/24

Right Out: 45.243+/-0.015 χ^2/NDF : 12063384.3/25

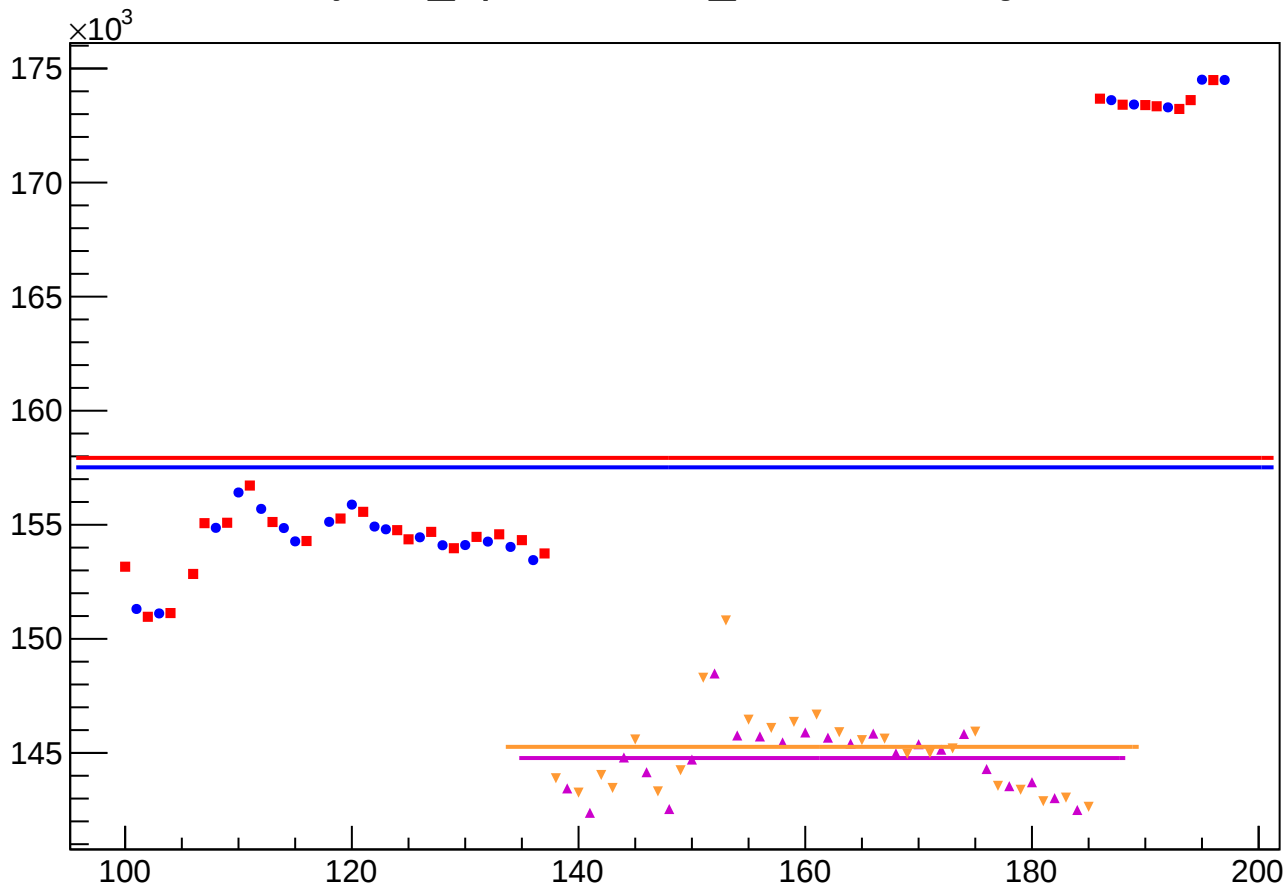
Left In: 210.345+/-0.036 χ^2/NDF : 677747.7/22

+ sign 60.455+/-0.013 χ^2/NDF : 32289300.3/46

All: 64.971+/-0.009 χ^2/NDF : 62774878.8/95

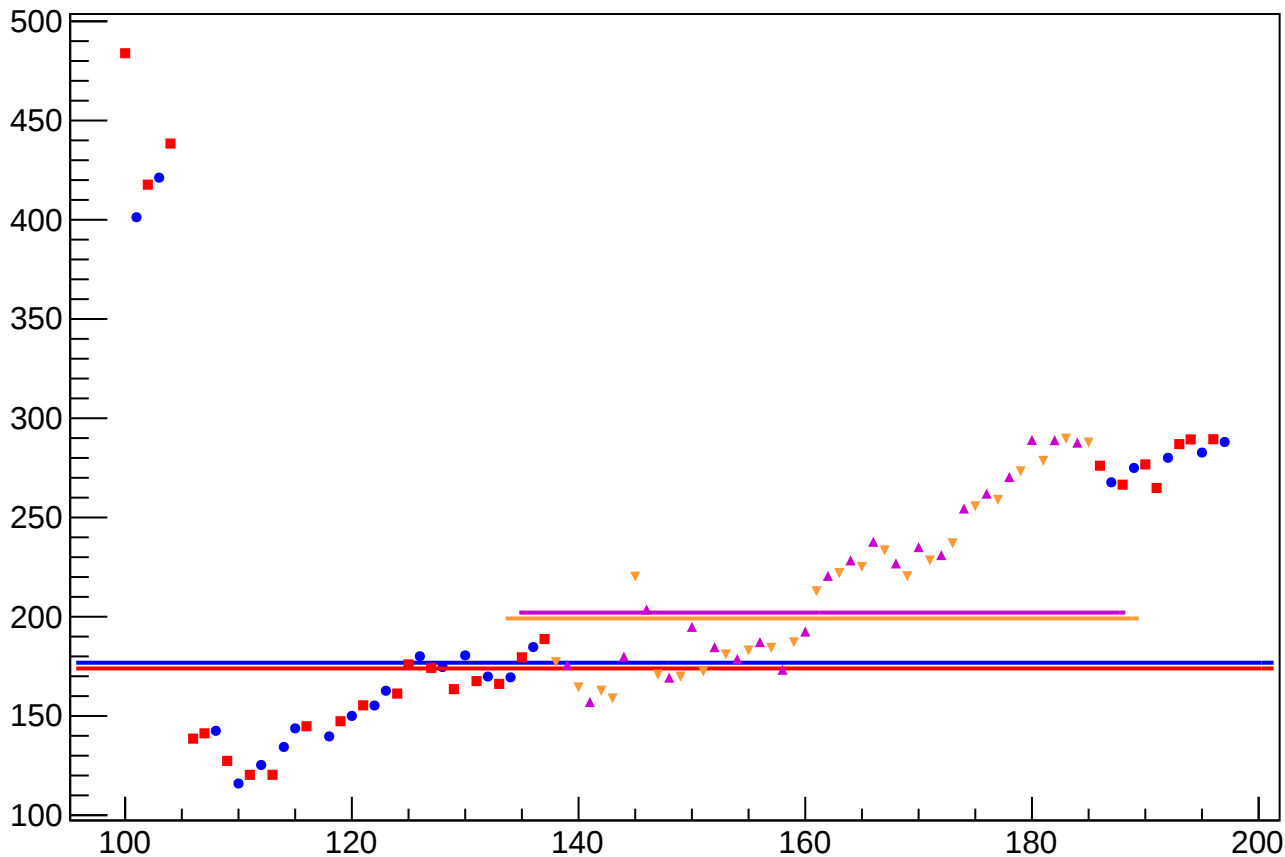
- sign 70.638+/-0.014 χ^2/NDF : 30201560.1/48

yield_bpm1i02WS_mean vs Slug



Right In: 157518.219 $\pm$ 0.061 χ^2 /NDF: 12479693919.9/21
 Left Out: 145266.717 $\pm$ 0.047 χ^2 /NDF: 1717707352.7/24
 Right Out: 157932.947 $\pm$ 0.056 χ^2 /NDF: 16071116688.6/25
 Left In: 144776.016 $\pm$ 0.050 χ^2 /NDF: 918120275.4/22
 + sign 149914.659 $\pm$ 0.037 χ^2 /NDF: 39549209286.
 All: 150258.945 $\pm$ 0.026 χ^2 /NDF: 878890713.
 - sign 150597.166 $\pm$ 0.037 χ^2 /NDF: 48171300807.0

yield_bpm1i02WS_rms vs Slug



Right In: 176.824 $\pm$ 0.043 χ^2 /NDF: 2118710.7/21

Left Out: 199.118 $\pm$ 0.034 χ^2 /NDF:1152231.0/24

Right Out: 173.934 $\pm$ 0.039 χ^2 /NDF: 2614115.6/25

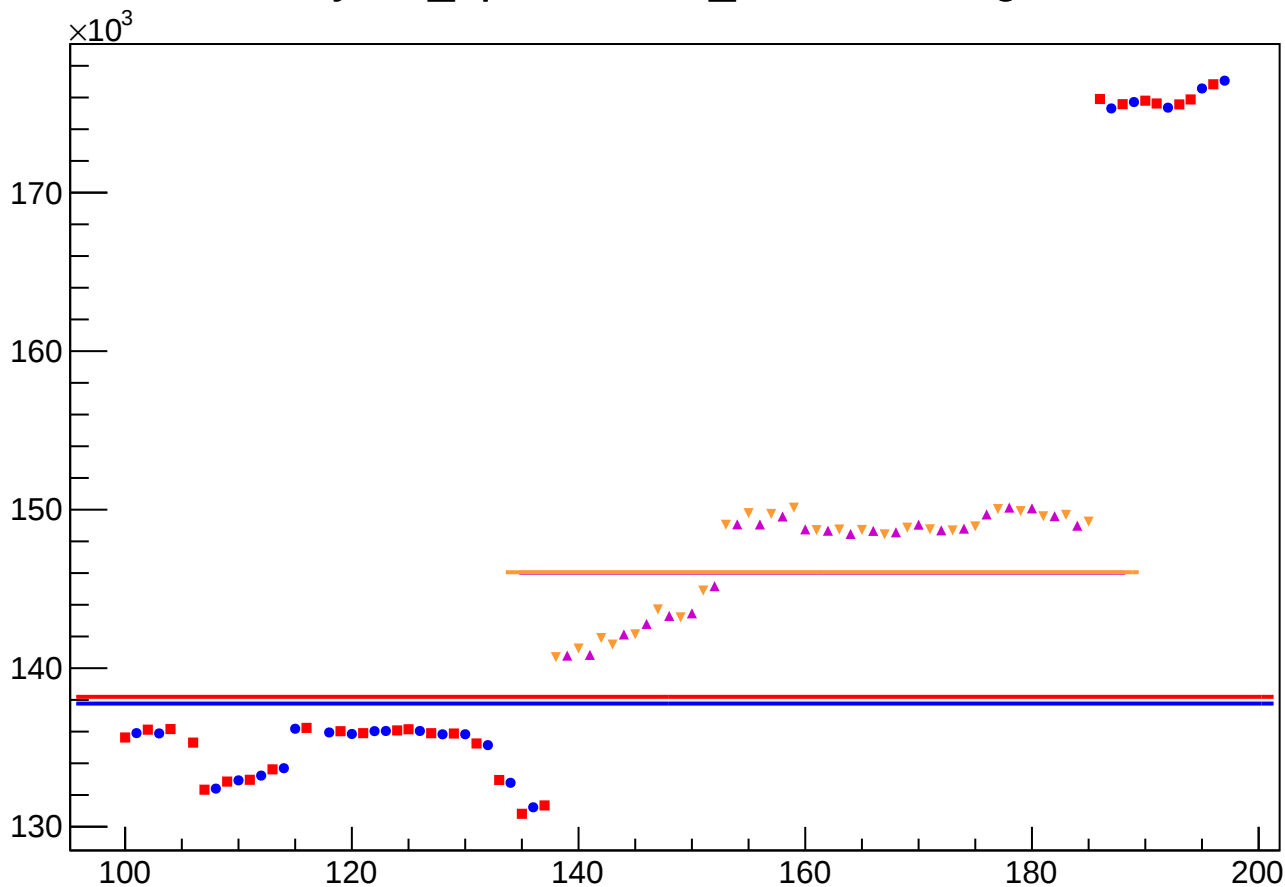
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 190.660 $\pm$ 0.026 χ^2 /NDF: 3438836.4/46

All: 190.142 $\pm$ 0.019 χ^2 /NDF: 7397159.6/95

- sign 189.633 $\pm$ 0.026 χ^2 /NDF: 3957559.2/48

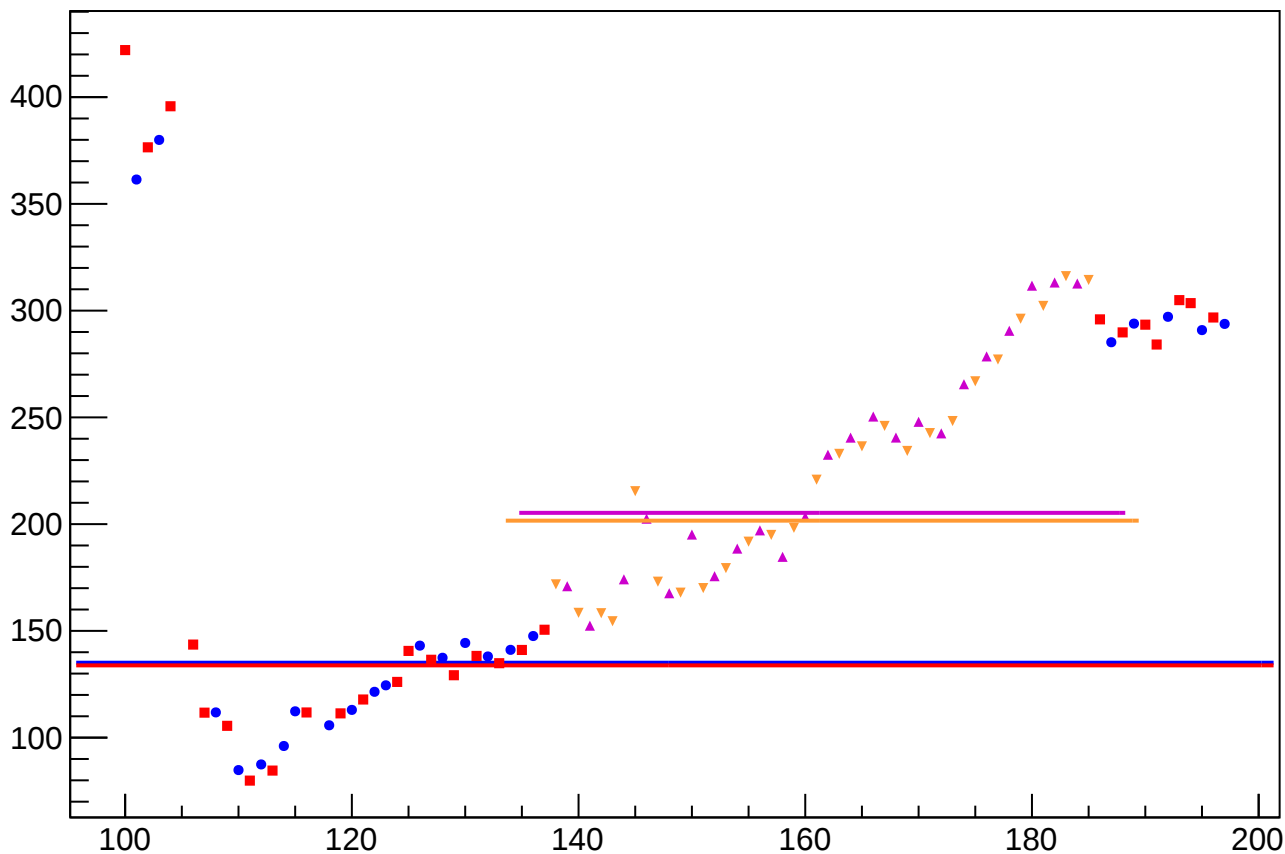
yield_bpm1i04WS_mean vs Slug



Right In: 137768.249 $\pm$ 0.048 χ^2 /NDF: 58348360656.8/21
 Left Out: 146051.733 $\pm$ 0.048 χ^2 /NDF: 5403300123.1/24
 Right Out: 138194.176 $\pm$ 0.045 χ^2 /NDF: 76089418035.1/25
 Left In: 146020.015 $\pm$ 0.051 χ^2 /NDF: 4591425371.4/22

+ sign 141906.348 $\pm$ 0.034 χ^2 /NDF: 78468276790.
 All: 141776.954 $\pm$ 0.024 χ^2 /NDF: 172503328
 - sign 141651.141 $\pm$ 0.034 χ^2 /NDF: 94006721859.9

yield_bpm1i04WS_rms vs Slug



Right In: 135.086 $\pm$ 0.034 χ^2 /NDF: 3415902.0/21

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 133.846 $\pm$ 0.032 χ^2 /NDF: 4329542.1/25

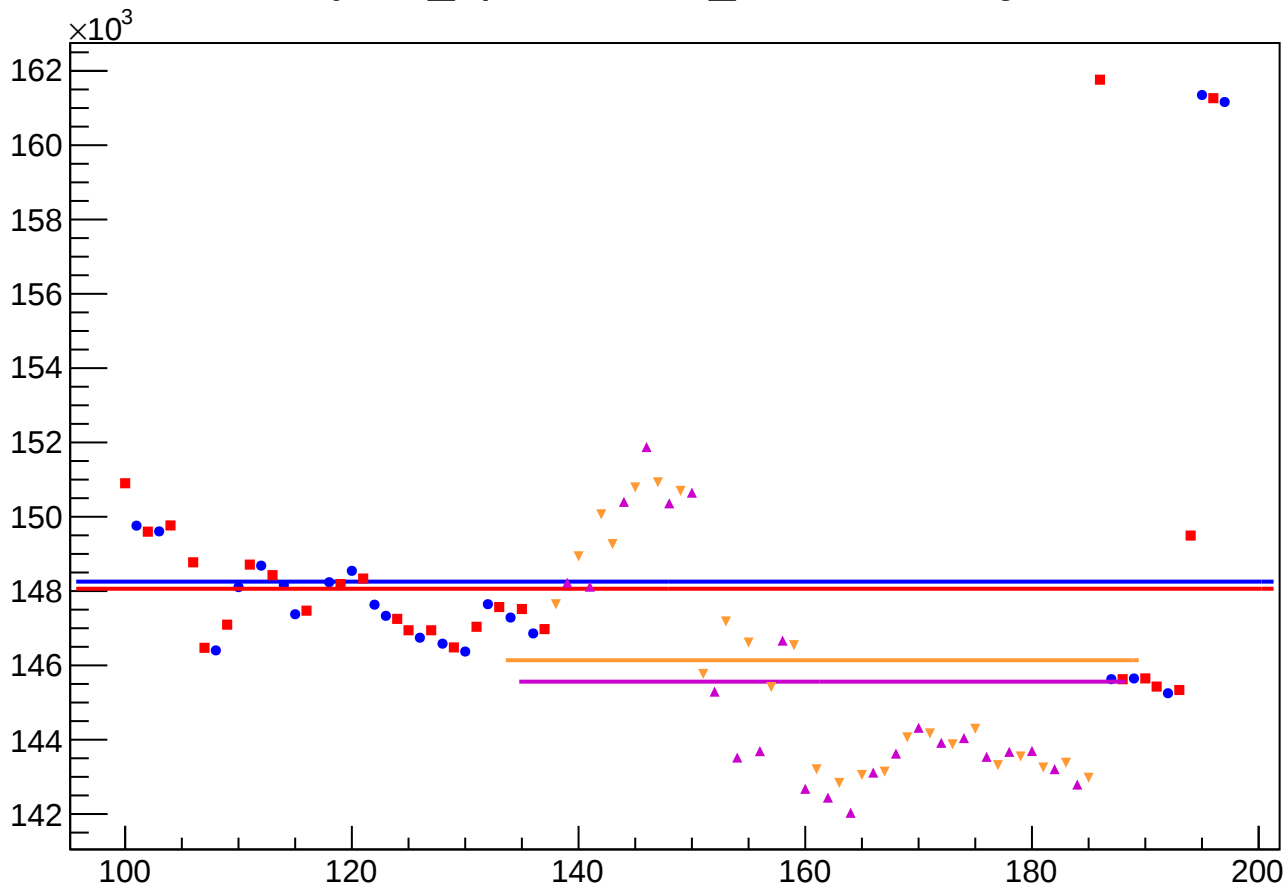
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 168.329 $\pm$ 0.024 χ^2 /NDF: 6905037.9/46

All: 166.846 $\pm$ 0.017 χ^2 /NDF: 14888307.9/95

- sign 165.404 $\pm$ 0.024 χ^2 /NDF: 7975825.3/48

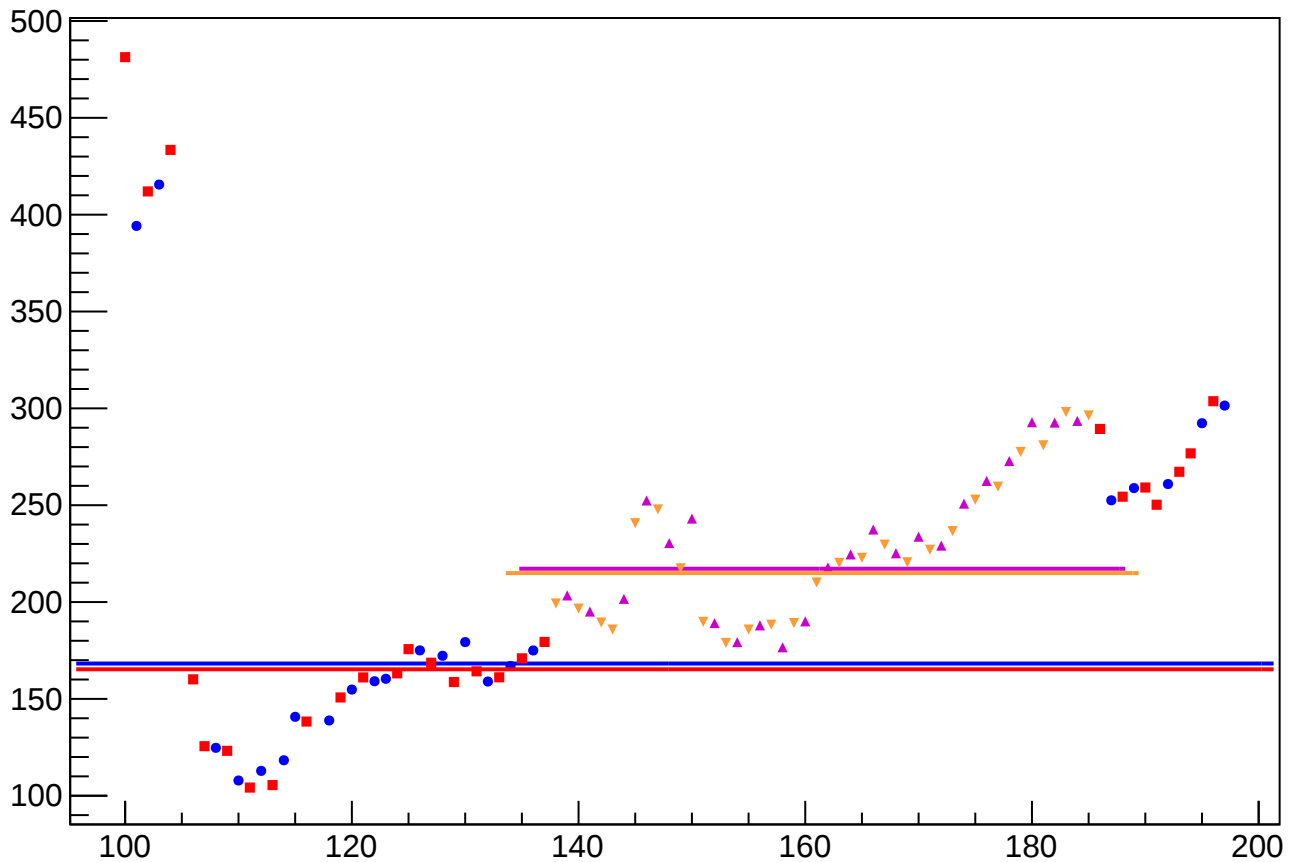
yield_bpm1i06WS_mean vs Slug



Right In: 148254.393 ± 0.058 $\chi^2/\text{NDF}: 3441935652.9/21$
 Left Out: 146139.326 ± 0.051 $\chi^2/\text{NDF}: 2699546907.6/24$
 Right Out: 148062.518 ± 0.053 $\chi^2/\text{NDF}: 2761752227.6/25$
 Left In: 145562.386 ± 0.053 $\chi^2/\text{NDF}: 3054641996.0/22$

+ sign 147056.650 ± 0.038 $\chi^2/\text{NDF}: 6890199363.8$
 All: 146928.218 ± 0.027 $\chi^2/\text{NDF}: 13831104$
 - sign 146804.166 ± 0.038 $\chi^2/\text{NDF}: 6918807976.9$

yield_bpm1i06WS_rms vs Slug



Right In: 168.261 $\pm$ 0.041 χ^2 /NDF: 2358670.4/21

Left Out: 214.945 $\pm$ 0.036 χ^2 /NDF: 728515.5/24

Right Out: 165.276 $\pm$ 0.038 χ^2 /NDF: 2919509.5/25

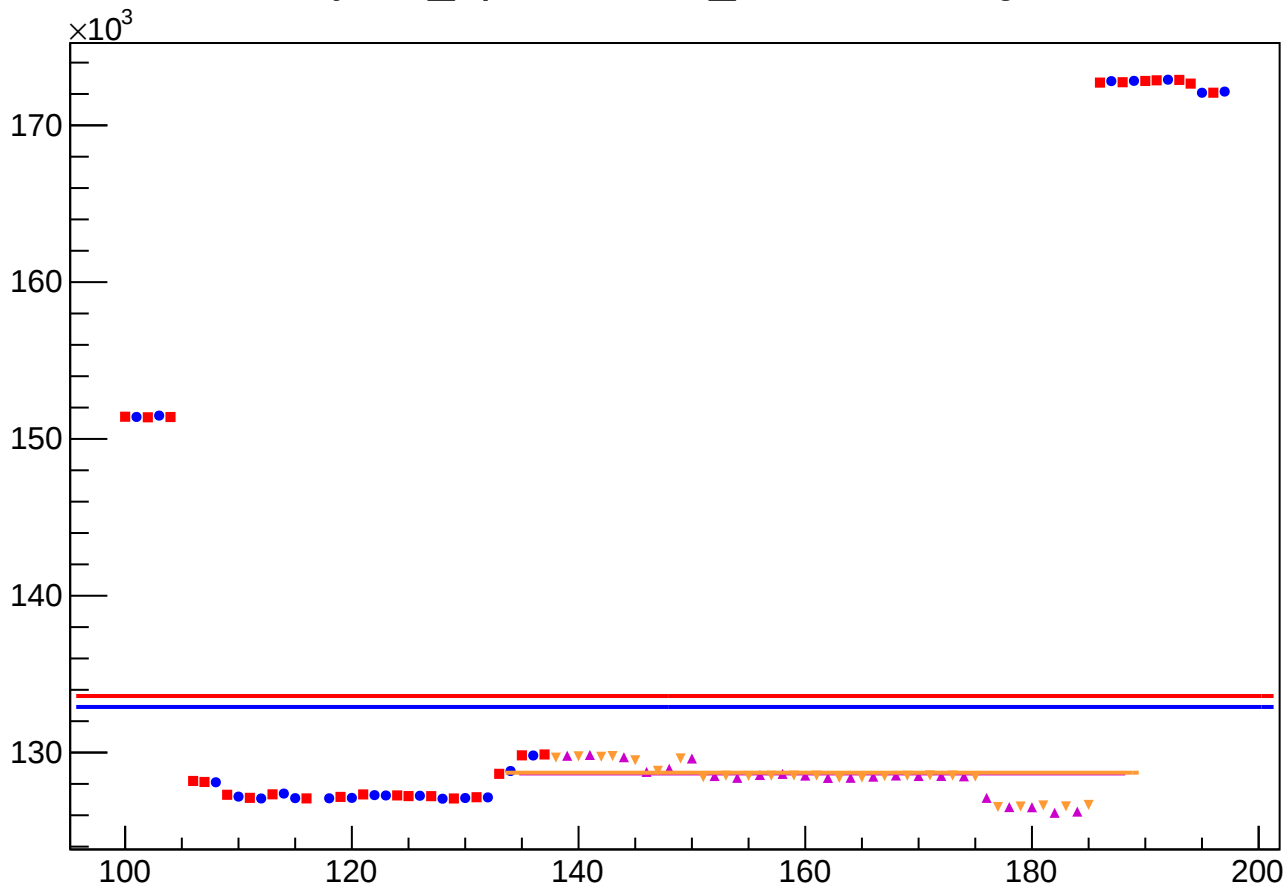
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 194.698 $\pm$ 0.027 χ^2 /NDF: 3816709.6/46

All: 193.026 $\pm$ 0.019 χ^2 /NDF: 8459636.4/95

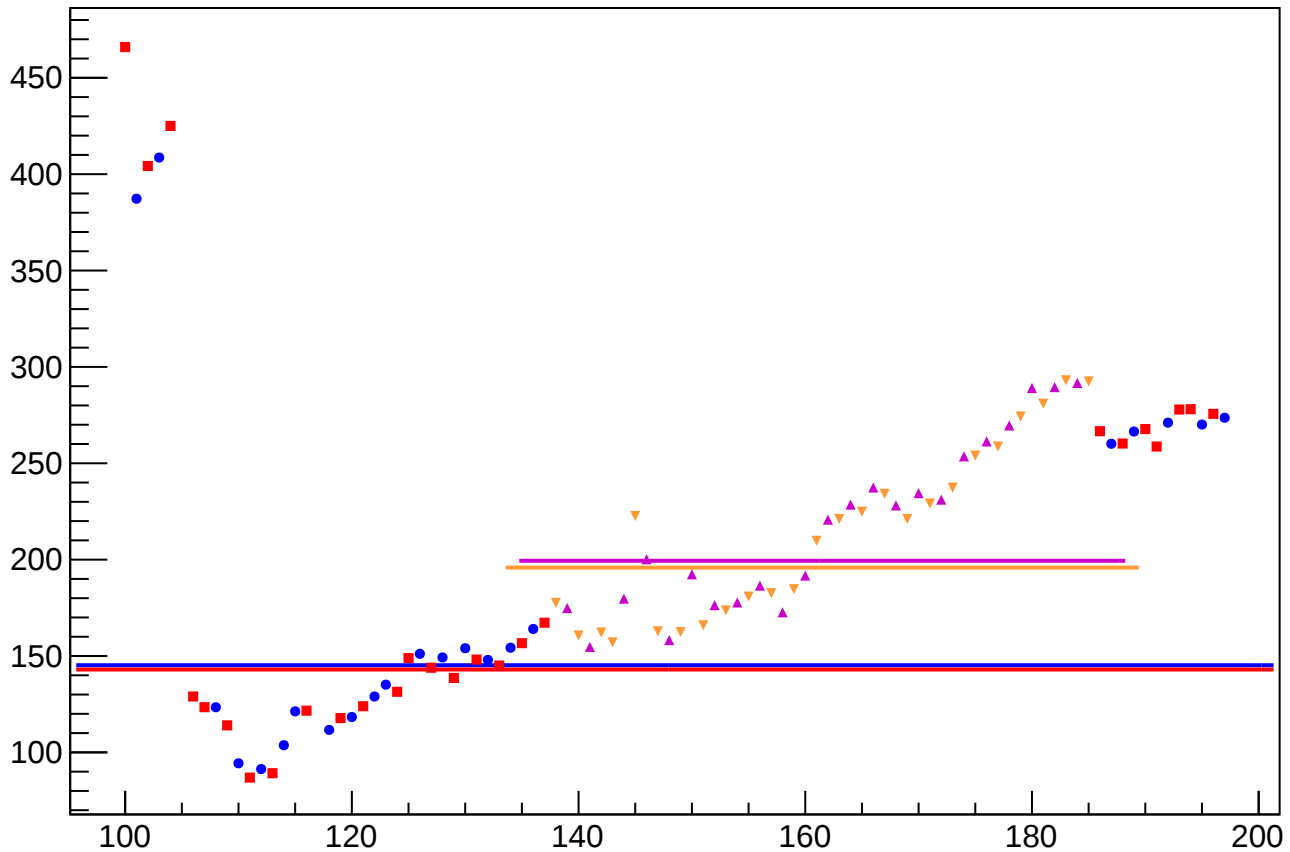
- sign 191.412 $\pm$ 0.027 χ^2 /NDF: 4635441.6/48

yield_bpm2i01WS_mean vs Slug



Right In: 132906.928 $\pm$ 0.051 χ^2 /NDF: 78449848808.9/21
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 133604.666 $\pm$ 0.047 χ^2 /NDF: 103702735484.8/25
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22
 + sign 130620.628 $\pm$ 0.034 χ^2 /NDF: 82462550137.
 All: 130931.989 $\pm$ 0.024 χ^2 /NDF: 19193896
 - sign 131233.743 $\pm$ 0.034 χ^2 /NDF: 109315893718

yield_bpm2i01WS_rms vs Slug



Right In: 145.213 $\pm$ 0.036 χ^2 /NDF: 2959085.3/21

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 142.984 $\pm$ 0.033 χ^2 /NDF: 3659239.6/25

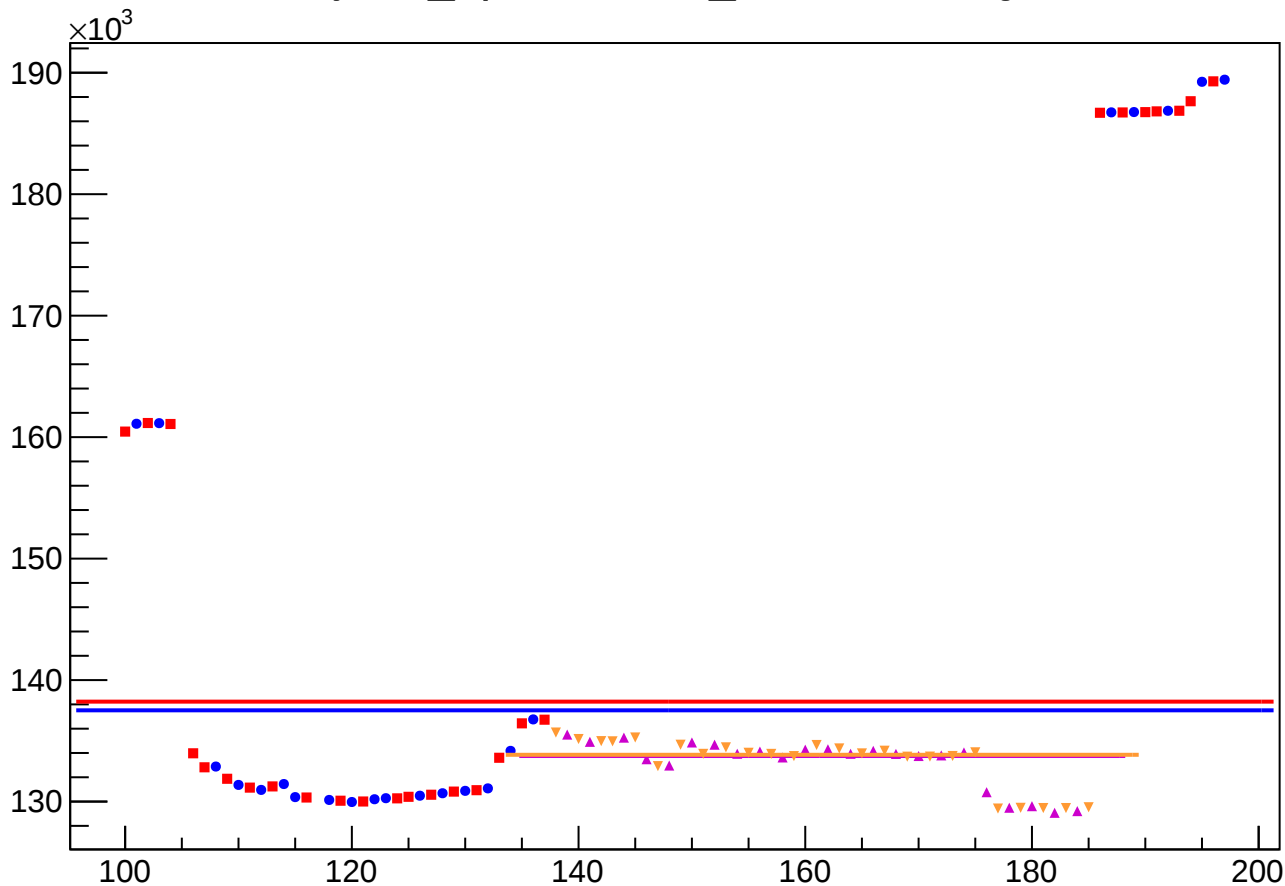
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 172.845 $\pm$ 0.024 χ^2 /NDF: 5343026.8/46

All: 171.441 $\pm$ 0.017 χ^2 /NDF: 11553725.3/95

- sign 170.080 $\pm$ 0.024 χ^2 /NDF: 6204168.5/48

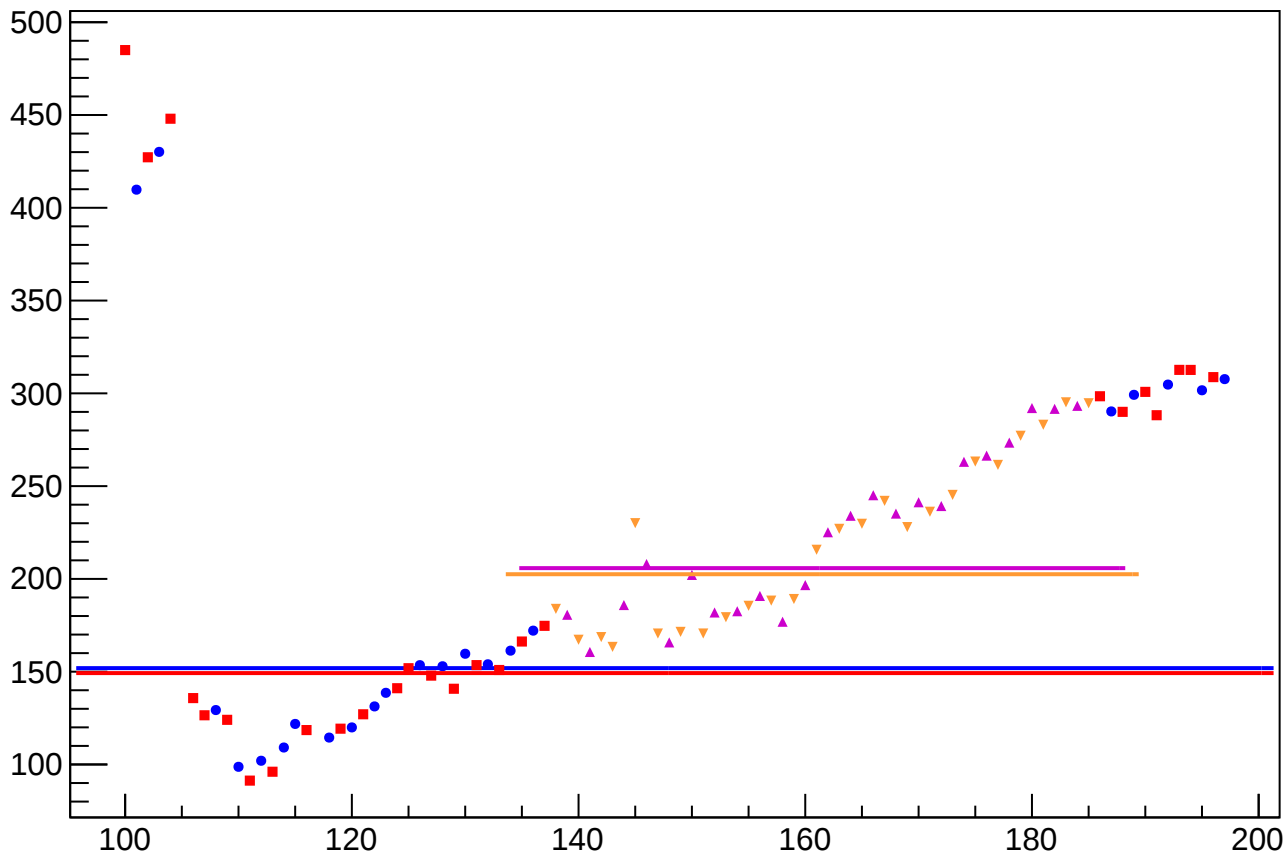
yield_bpm2i02WS_mean vs Slug



Right In: 137510.875 $\pm$ 0.054 χ^2 /NDF: 101466090495.5/21
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 138226.563 $\pm$ 0.050 χ^2 /NDF: 130003783017.8/25
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

+ sign 135481.180 $\pm$ 0.036 χ^2 /NDF: 105112994004
 All: 135761.272 $\pm$ 0.025 χ^2 /NDF: 240196635
 - sign 136032.877 $\pm$ 0.035 χ^2 /NDF: 134963798091

yield_bpm2i02WS_rms vs Slug



Right In: 151.919 $\pm$ 0.038 χ^2 /NDF: 3132630.4/21

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 149.245 $\pm$ 0.035 χ^2 /NDF: 3929316.7/25

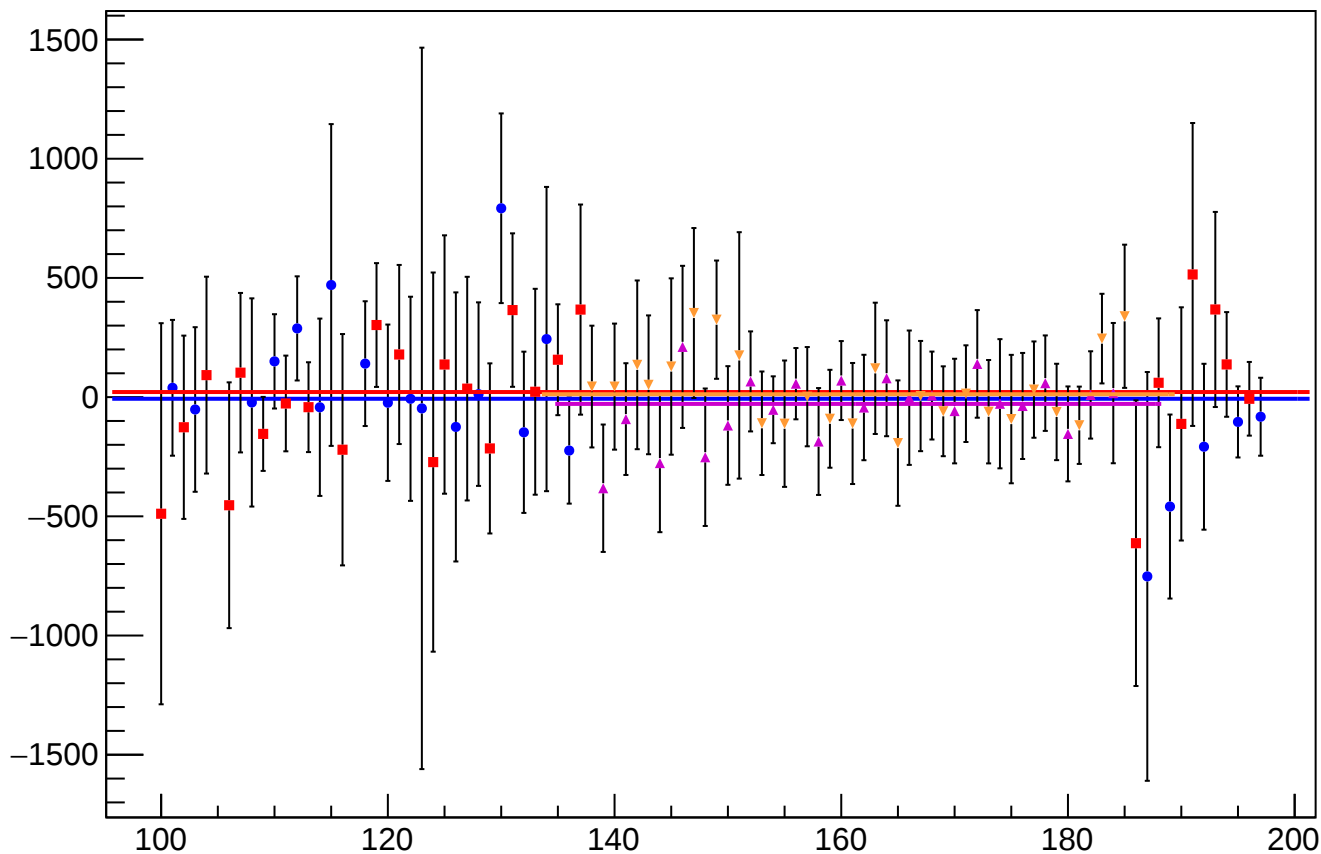
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 179.982 $\pm$ 0.025 χ^2 /NDF: 5325989.8/46

All: 178.448 $\pm$ 0.018 χ^2 /NDF: 11635718.0/95

- sign 176.961 $\pm$ 0.025 χ^2 /NDF: 6302539.1/48

asym_bcm_an_ds_mean vs Slug



Right In: -6.899 ± 62.260 χ^2/NDF : 11.8/21

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 21.364 ± 58.187 χ^2/NDF : 10.1/25

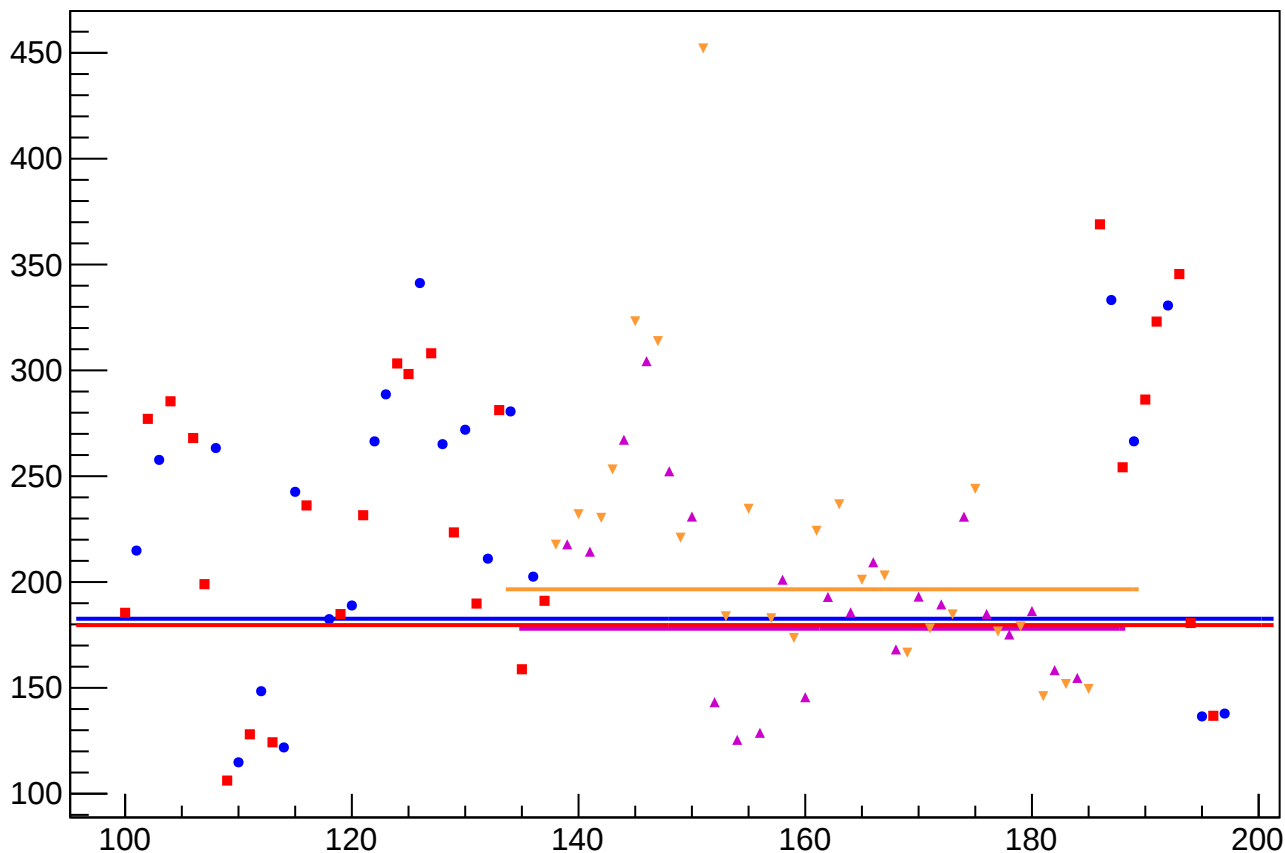
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign 5.155 ± 37.780 χ^2/NDF : 20.4/46

All: -2.890 ± 25.848 χ^2/NDF : 37.7/95

- sign -9.970 ± 35.442 χ^2/NDF : 17.2/48

asym_bcm_an_ds_rms vs Slug



Right In: 182.654 $\pm$ 0.044 χ^2 /NDF: 1916185.5/21

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 179.658 $\pm$ 0.041 χ^2 /NDF: 2629722.3/25

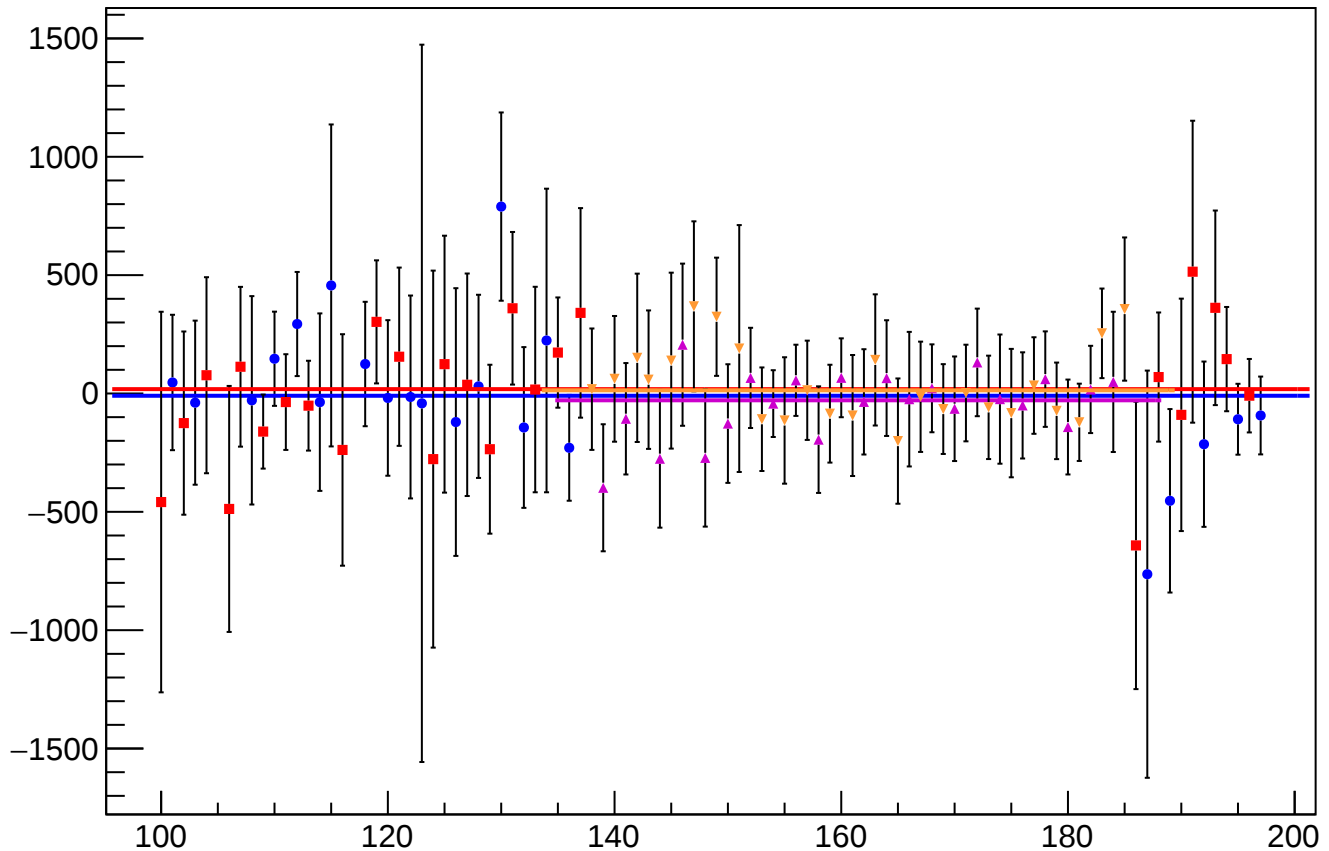
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 191.450 $\pm$ 0.027 χ^2 /NDF: 3758085.3/46

All: 184.601 $\pm$ 0.018 χ^2 /NDF: 8118275.8/95

- sign 178.573 $\pm$ 0.025 χ^2 /NDF: 4236609.5/48

asym_bcm_an_ds3_mean vs Slug



Right In: -9.604 ± 62.554 χ^2/NDF : 11.8/21

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 18.403 ± 58.492 χ^2/NDF : 10.4/25

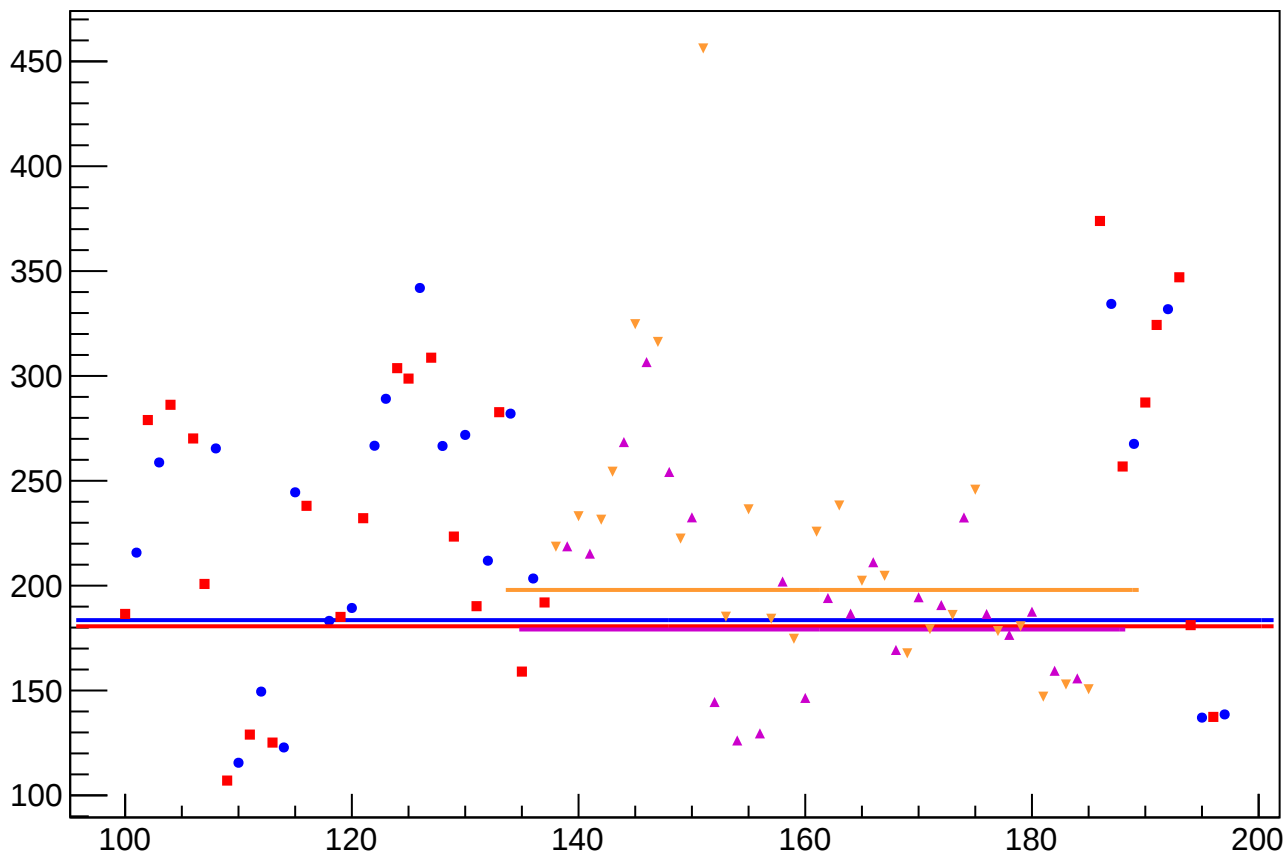
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign 4.902 ± 38.012 χ^2/NDF : 20.8/46

All: -3.697 ± 26.006 χ^2/NDF : 38.5/95

- sign -11.263 ± 35.656 χ^2/NDF : 17.6/48

asym_bcm_an_ds3_rms vs Slug



Right In: 183.560 $\pm$ 0.044 χ^2 /NDF: 1907367.7/21

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 180.627 $\pm$ 0.041 χ^2 /NDF: 2623529.1/25

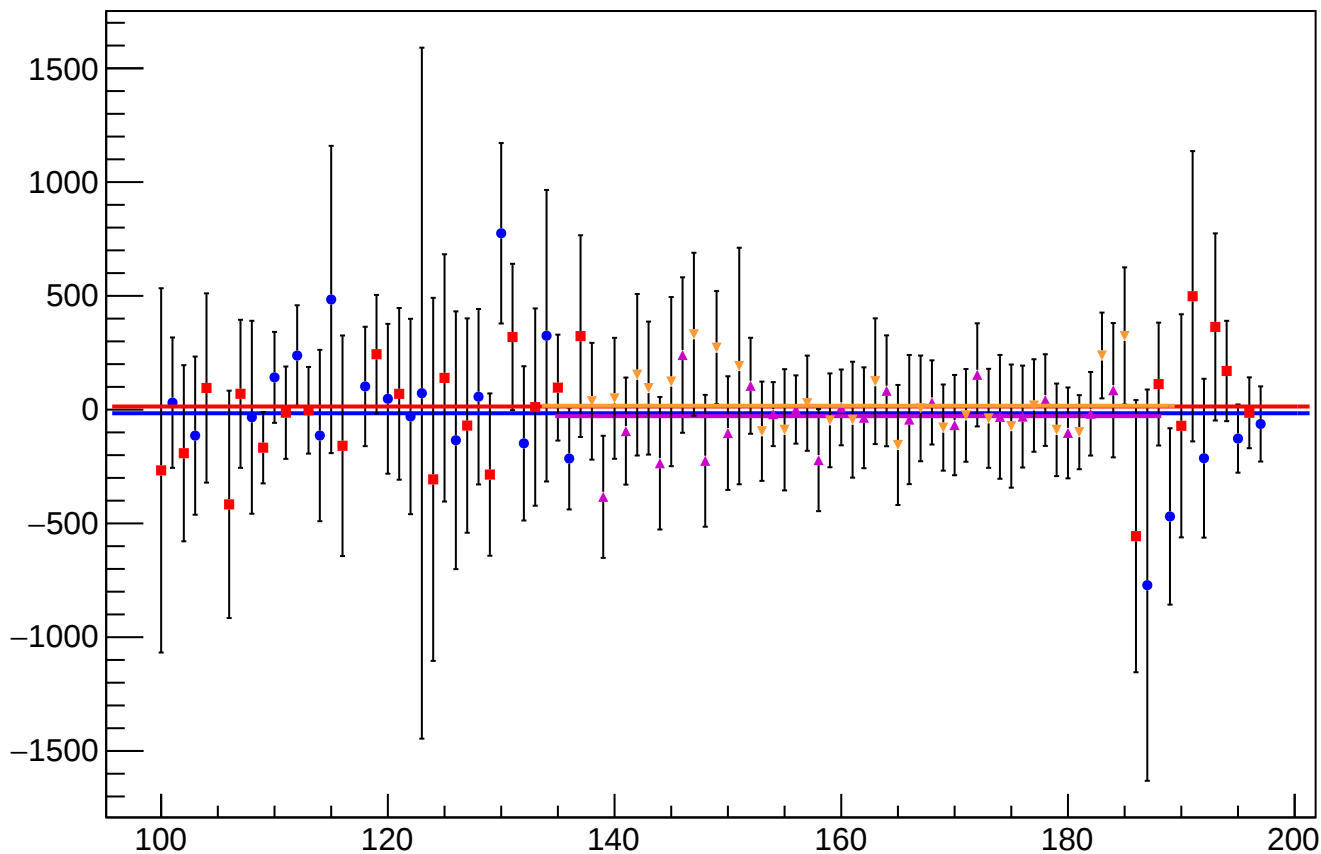
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 192.638 $\pm$ 0.027 χ^2 /NDF: 3748671.0/46

All: 185.735 $\pm$ 0.018 χ^2 /NDF: 8102180.5/95

- sign 179.661 $\pm$ 0.025 χ^2 /NDF: 4229510.8/48

asym_bcm_an_us_mean vs Slug



Right In: -15.887 ± 62.603 χ^2/NDF : 11.3/21

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 13.798 ± 58.440 χ^2/NDF : 8.9/25

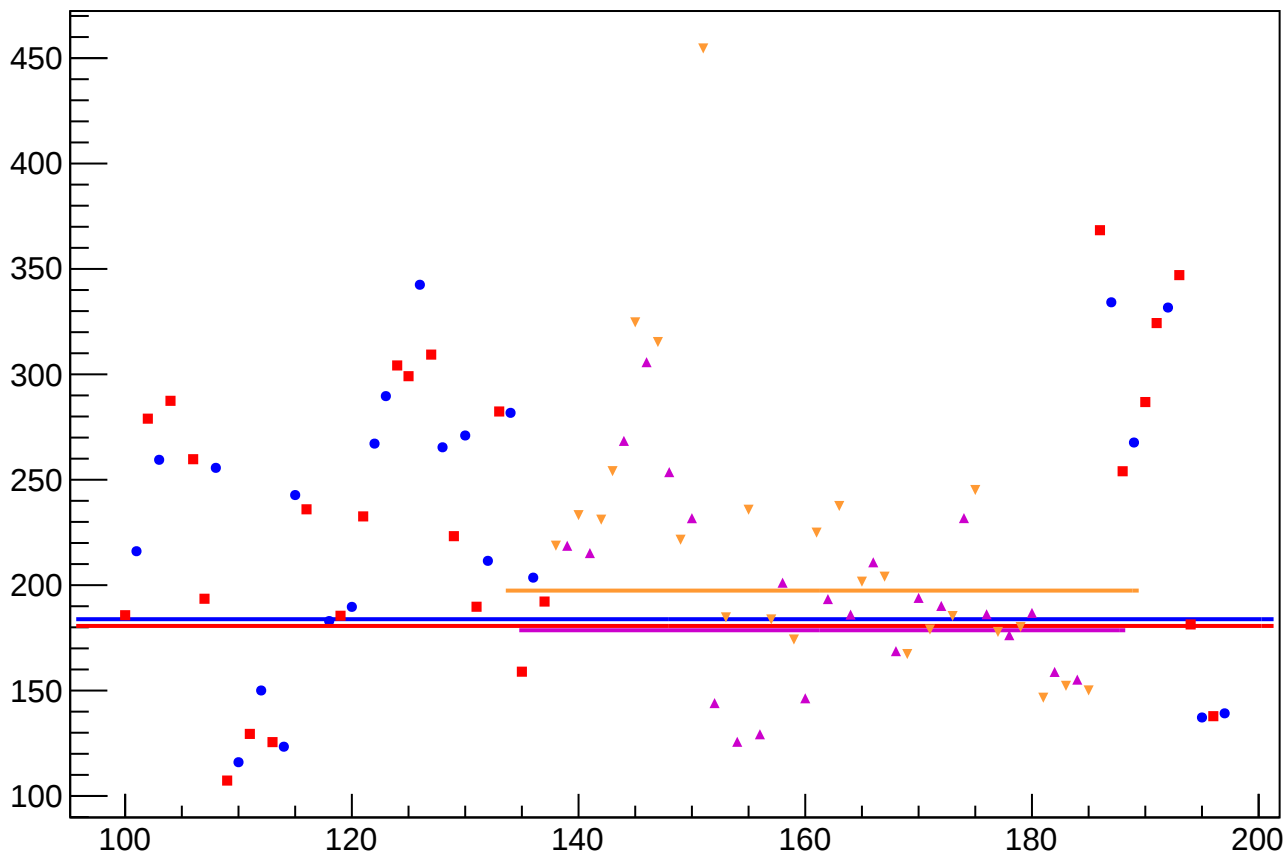
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign 4.998 ± 37.960 χ^2/NDF : 18.5/46

All: -4.537 ± 25.961 χ^2/NDF : 34.0/95

- sign -12.916 ± 35.584 χ^2/NDF : 15.3/48

asym_bcm_an_us_rms vs Slug



Right In: 183.853 $\pm$ 0.044 χ^2 /NDF: 1878992.3/21

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF: 1780261.9/24

Right Out: 180.653 $\pm$ 0.041 χ^2 /NDF: 2582313.5/25

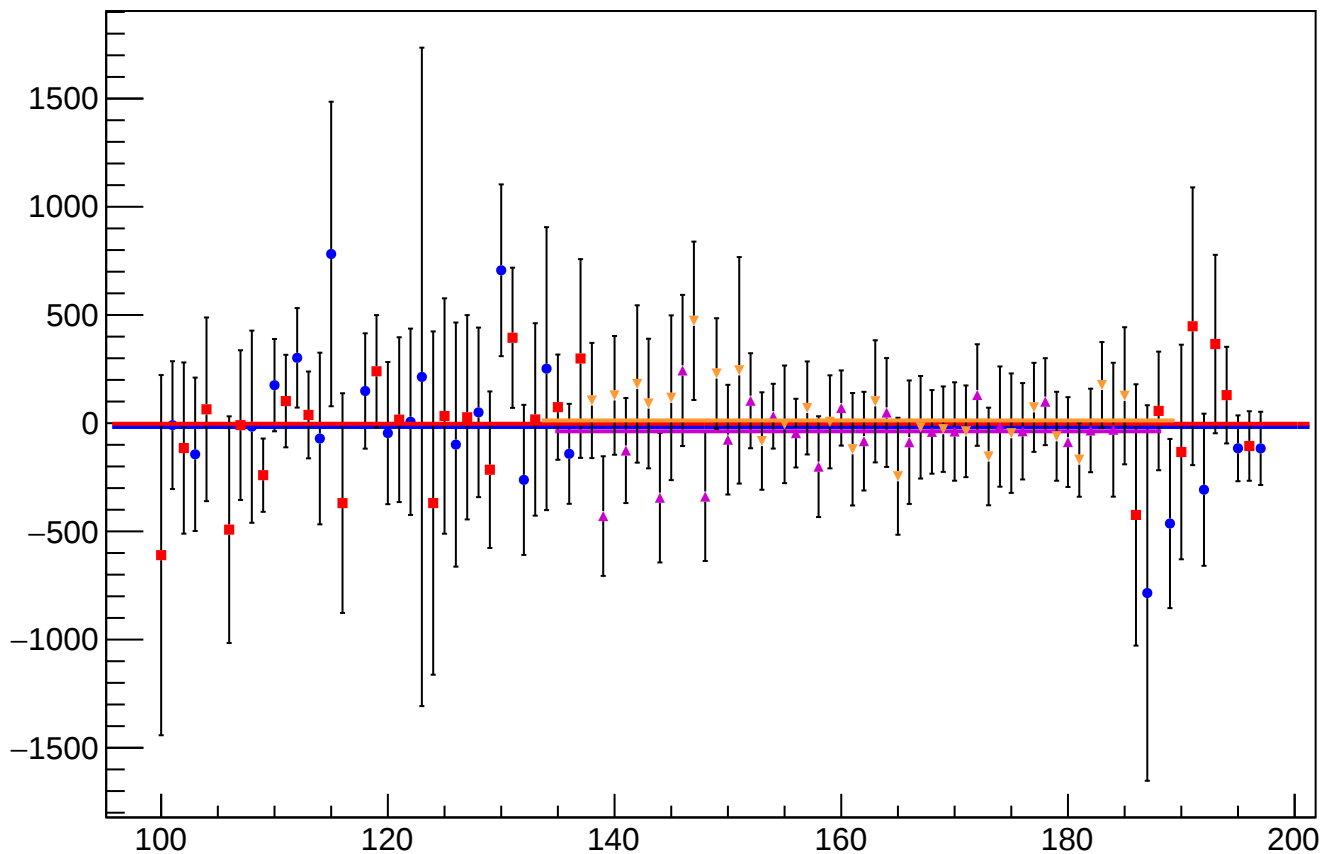
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF: 1608998.1/22

+ sign 192.433 $\pm$ 0.027 χ^2 /NDF: 3718665.5/46

All: 185.475 $\pm$ 0.018 χ^2 /NDF: 8037742.9/95

- sign 179.362 $\pm$ 0.025 χ^2 /NDF: 4192861.9/48

asym_bcm_dg_us_mean vs Slug



Right In: -17.429 ± 64.213 χ^2/NDF : 12.5/21

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: -2.745 ± 60.497 χ^2/NDF : 10.4/25

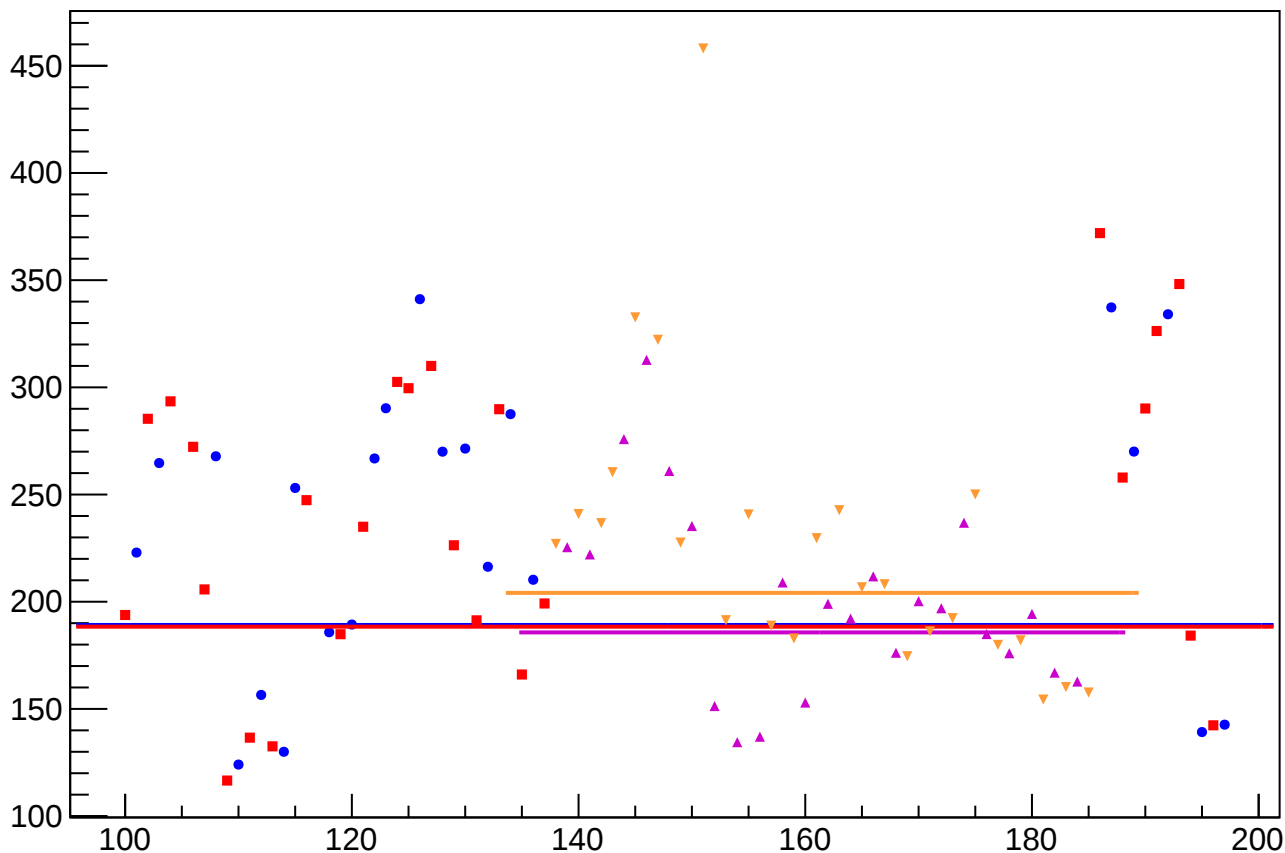
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign 1.501 ± 39.075 χ^2/NDF : 20.1/46

All: -12.298 ± 26.812 χ^2/NDF : 38.6/95

- sign -24.575 ± 36.857 χ^2/NDF : 18.3/48

asym_bcm_dg_us_rms vs Slug



Right In: 189.157 $\pm$ 0.045 χ^2 /NDF: 1783259.4/21

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 188.361 $\pm$ 0.043 χ^2 /NDF: 2345948.0/25

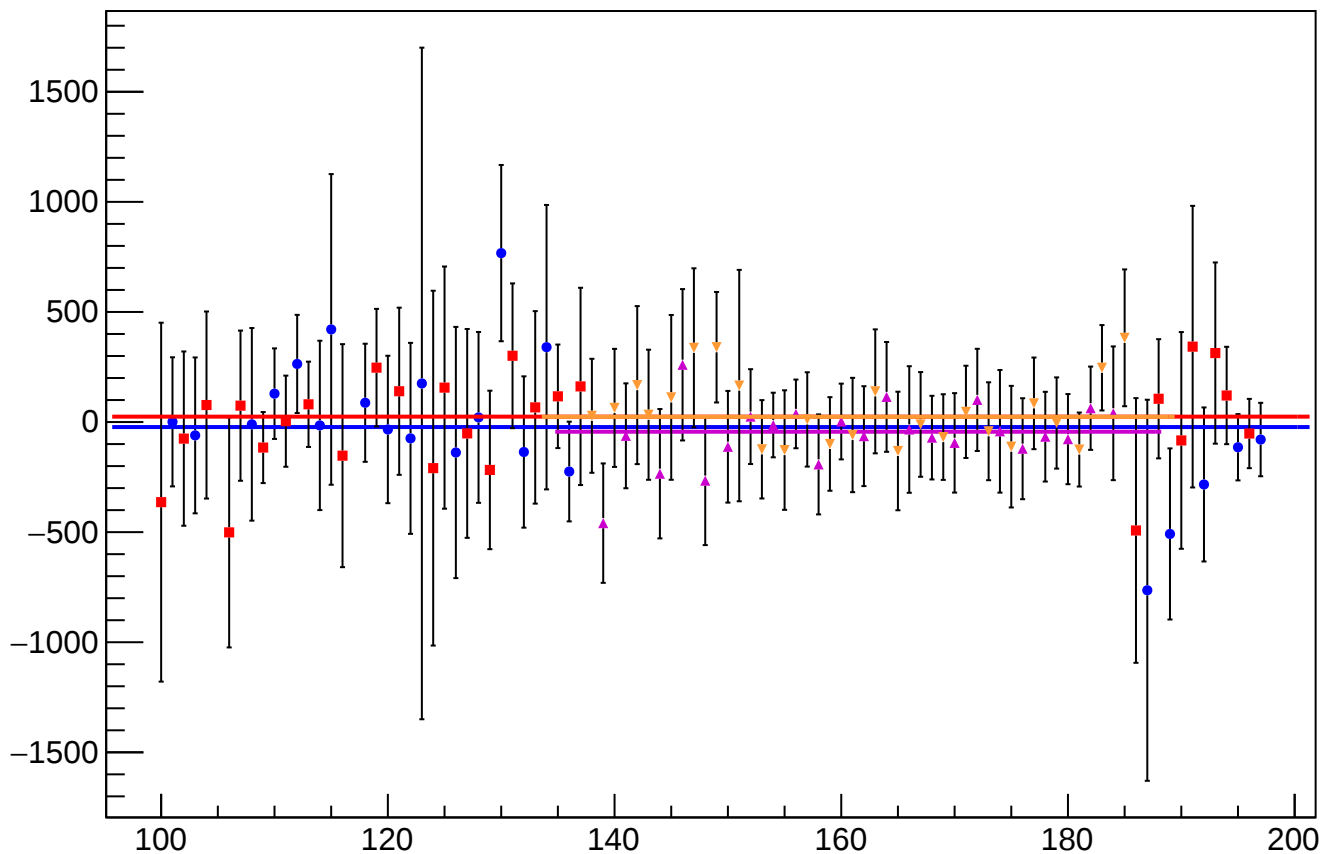
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 198.587 $\pm$ 0.028 χ^2 /NDF: 3524037.4/46

All: 192.288 $\pm$ 0.019 χ^2 /NDF: 7418402.8/95

- sign 186.684 $\pm$ 0.026 χ^2 /NDF: 3796160.8/48

asym_bcm_dg_ds_mean vs Slug



Right In: -22.732 ± 63.436 χ^2/NDF : 11.3/21

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 24.567 ± 59.415 χ^2/NDF : 6.7/25

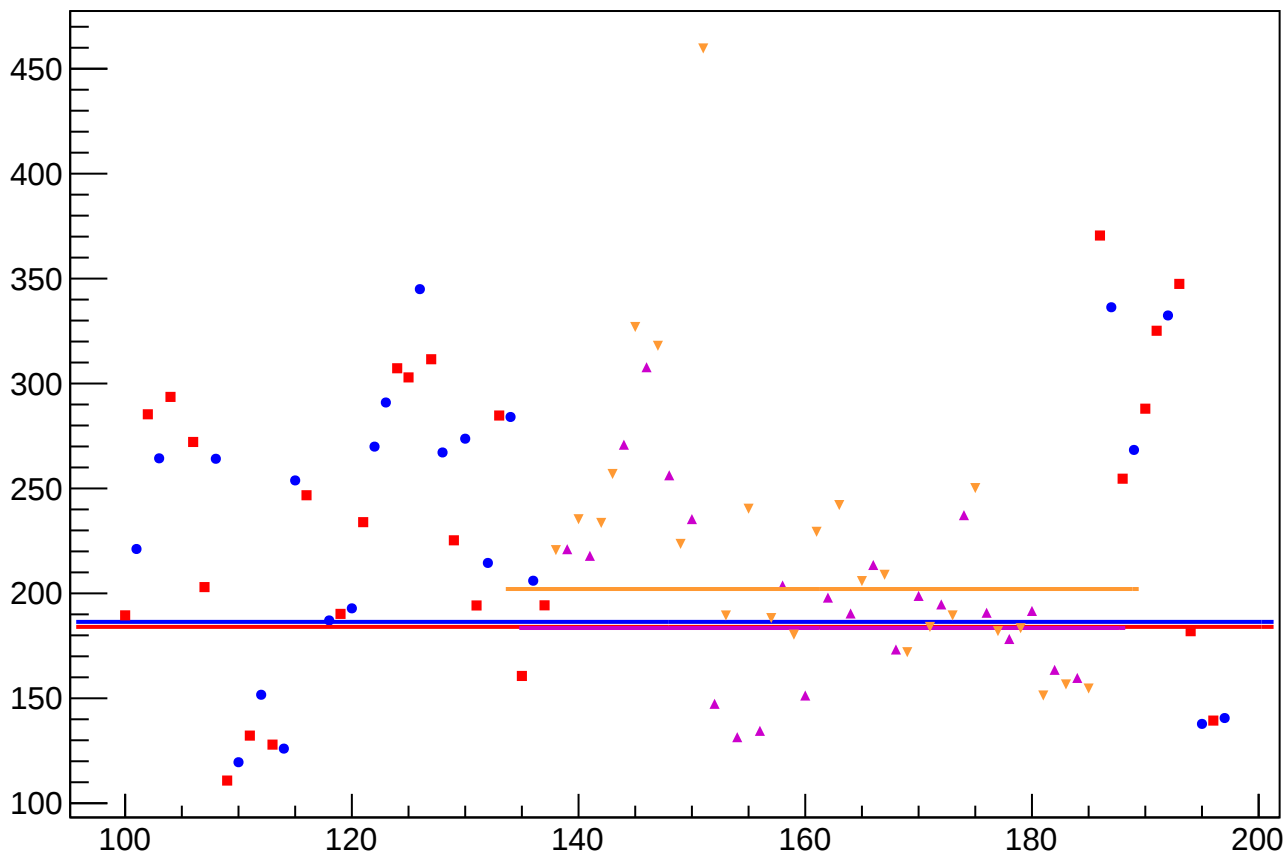
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign 6.535 ± 38.671 χ^2/NDF : 20.1/46

All: -6.647 ± 26.491 χ^2/NDF : 34.4/95

- sign -18.303 ± 36.363 χ^2/NDF : 14.1/48

asym_bcm_dg_ds_rms vs Slug



Right In: 186.420 $\pm$ 0.045 χ^2 /NDF: 1867390.1/21

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 184.033 $\pm$ 0.042 χ^2 /NDF: 2530810.2/25

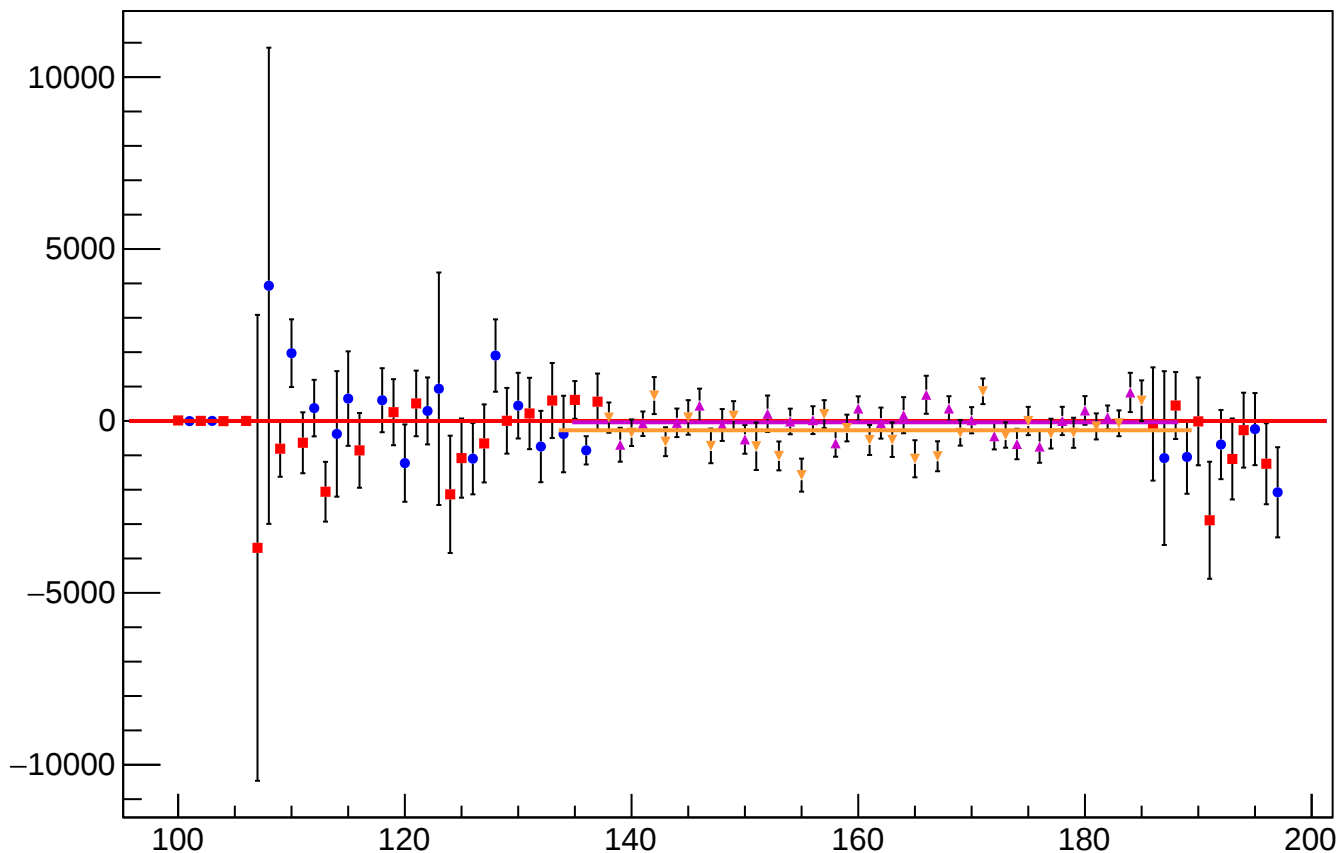
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 196.261 $\pm$ 0.027 χ^2 /NDF: 3636772.9/46

All: 189.594 $\pm$ 0.019 χ^2 /NDF: 7763083.5/95

- sign 183.699 $\pm$ 0.026 χ^2 /NDF: 4014295.0/48

asym_cav4bQ_mean vs Slug



Right In: -1.546 ± 2.251 χ^2/NDF : 21.6/21

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.737 ± 2.111 χ^2/NDF : 24.3/25

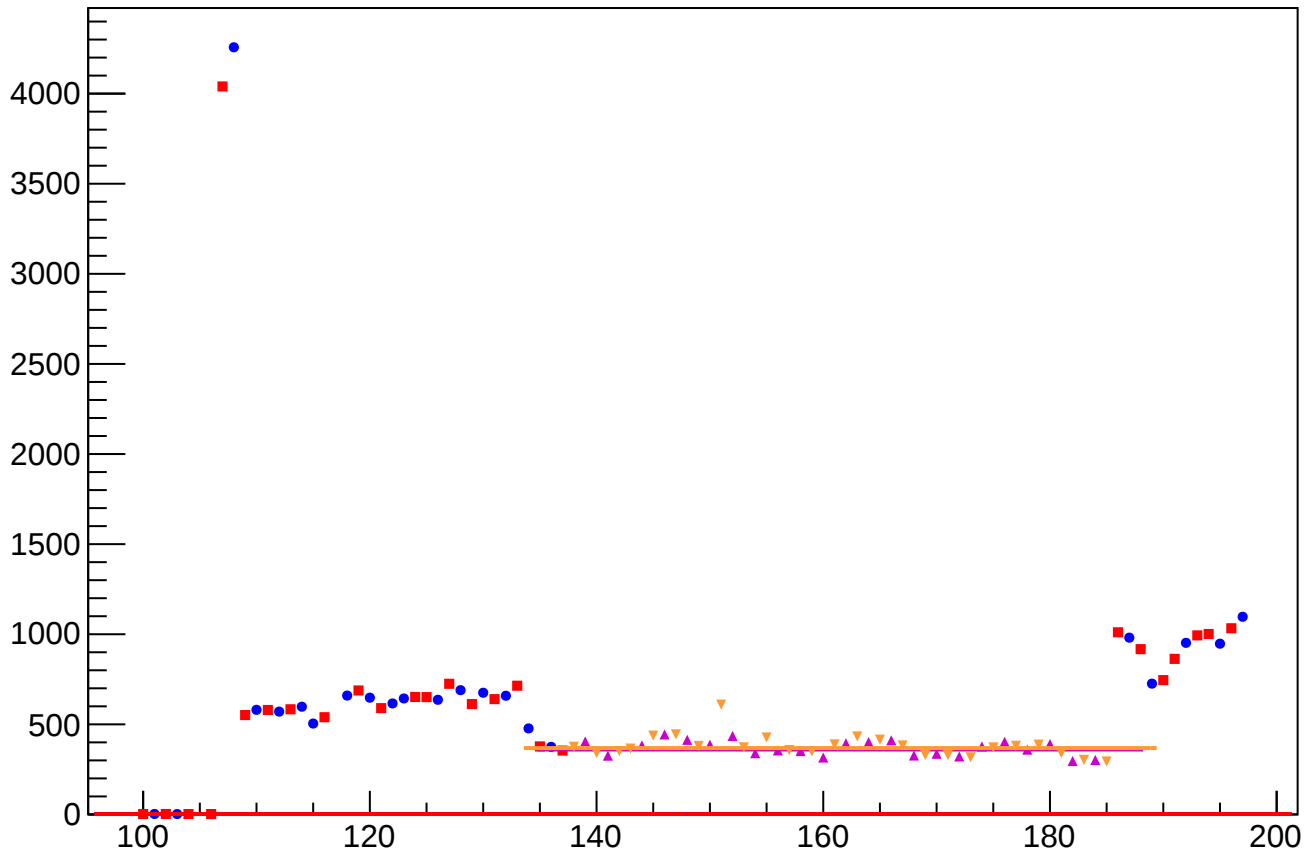
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.726 ± 2.251 χ^2/NDF : 69.3/46

All: -1.212 ± 1.540 χ^2/NDF : 114.1/95

- sign -0.759 ± 2.110 χ^2/NDF : 44.7/48

asym_cav4bQ_rms vs Slug



Right In: 2.473+/-0.002 χ^2/NDF : 16823865.9/21

Left Out: 368.397+/-0.061 χ^2/NDF : 622466.1/24

Right Out: 2.456+/-0.001 χ^2/NDF : 19434170.7/25

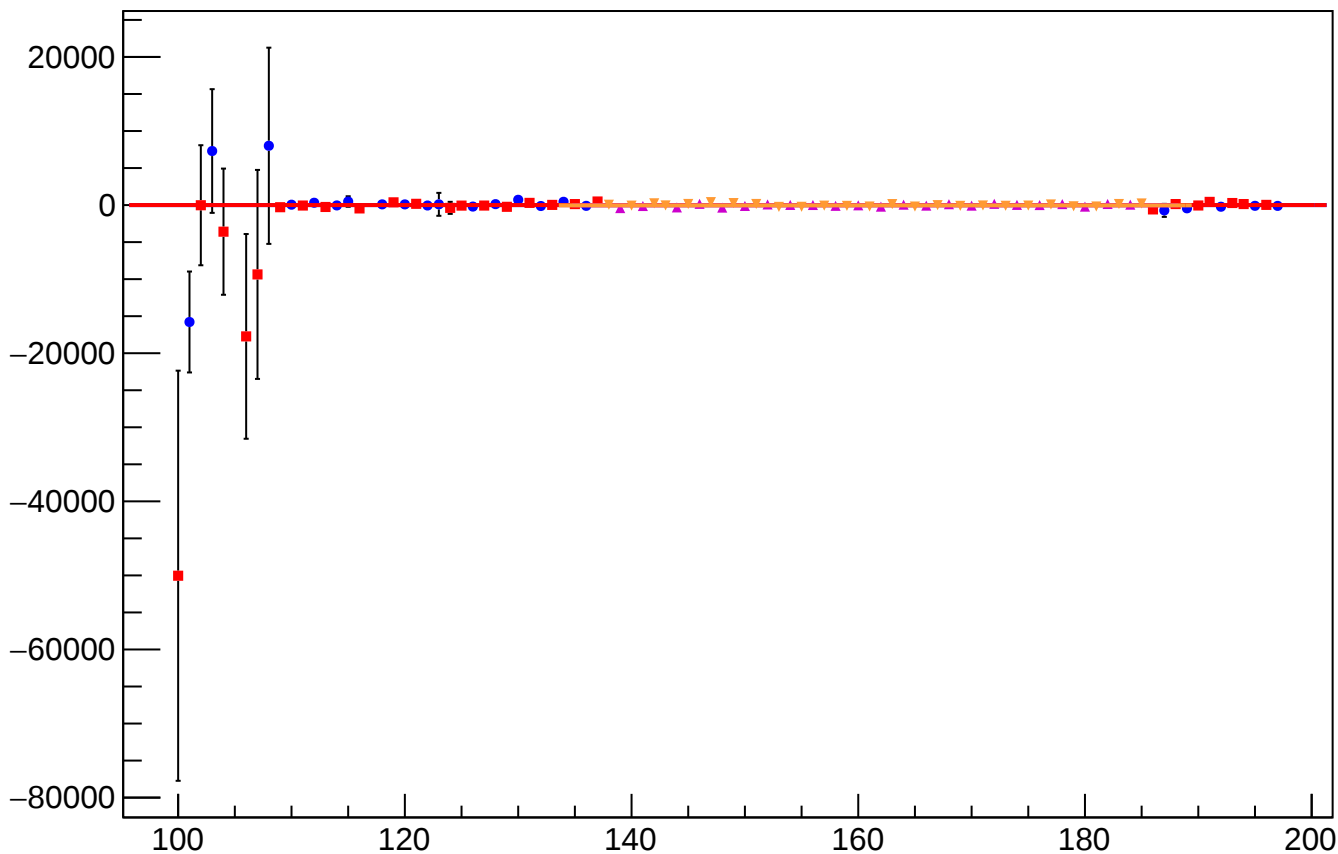
Left In: 360.408+/-0.062 χ^2/NDF : 417739.4/22

+ sign 2.718+/-0.002 χ^2/NDF : 52830533.4/46

All: 2.689+/-0.001 χ^2/NDF : 105929252.1/95

- sign 2.663+/-0.001 χ^2/NDF : 53098089.7/48

asym_cav4cQ_mean vs Slug



Right In: -0.426 ± 70.382 χ^2/NDF : 16.2/21

Left Out: -38.013 ± 49.628 χ^2/NDF : 9.3/24

Right Out: 2.678 ± 67.881 χ^2/NDF : 16.7/25

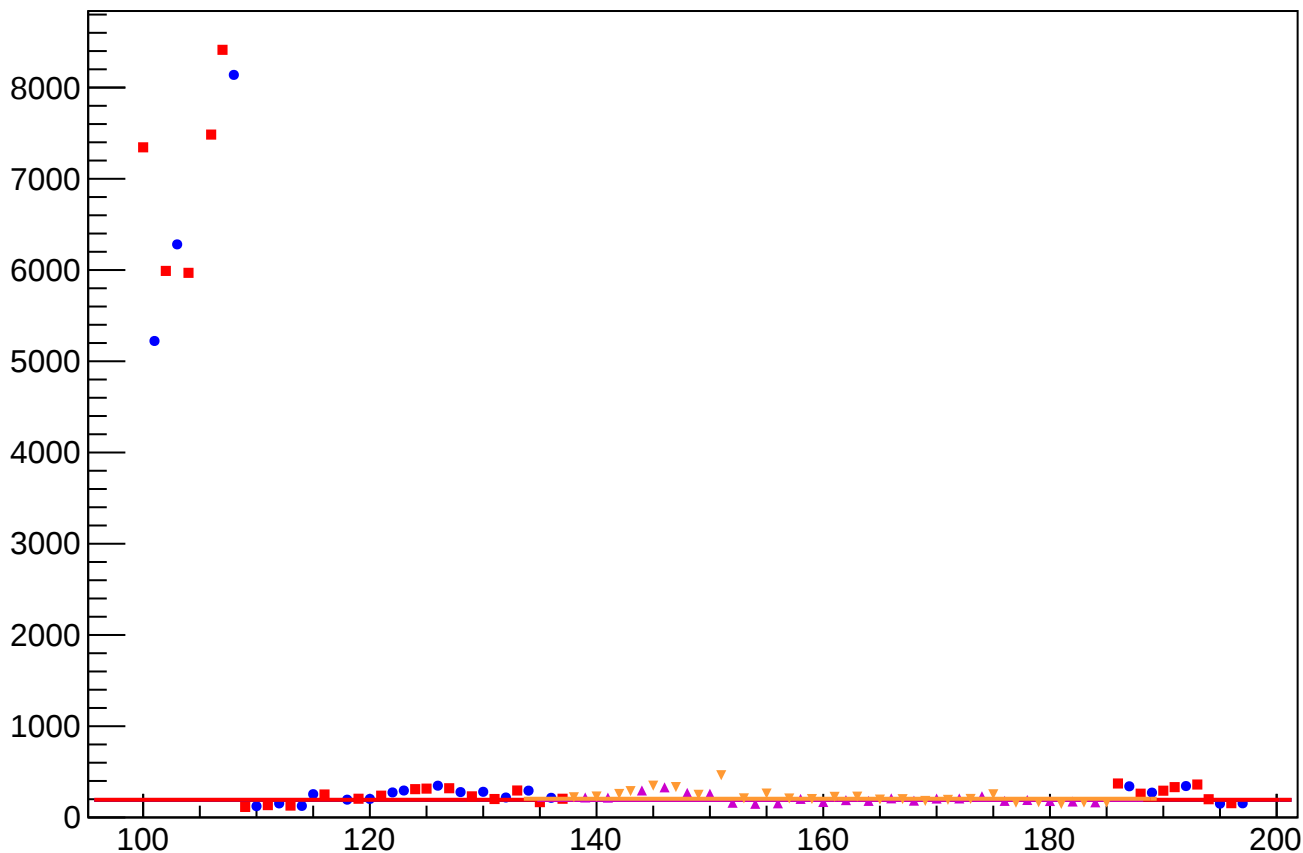
Left In: -28.205 ± 48.167 χ^2/NDF : 9.2/22

+ sign -25.531 ± 40.559 χ^2/NDF : 25.7/46

All: -21.574 ± 28.217 χ^2/NDF : 51.7/95

- sign -17.863 ± 39.282 χ^2/NDF : 26.0/48

asym_cav4cQ_rms vs Slug



Right In: 191.652 $\pm$ 0.050 χ^2 /NDF: 4398923.7/21

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 193.514 $\pm$ 0.048 χ^2 /NDF: 5226175.6/25

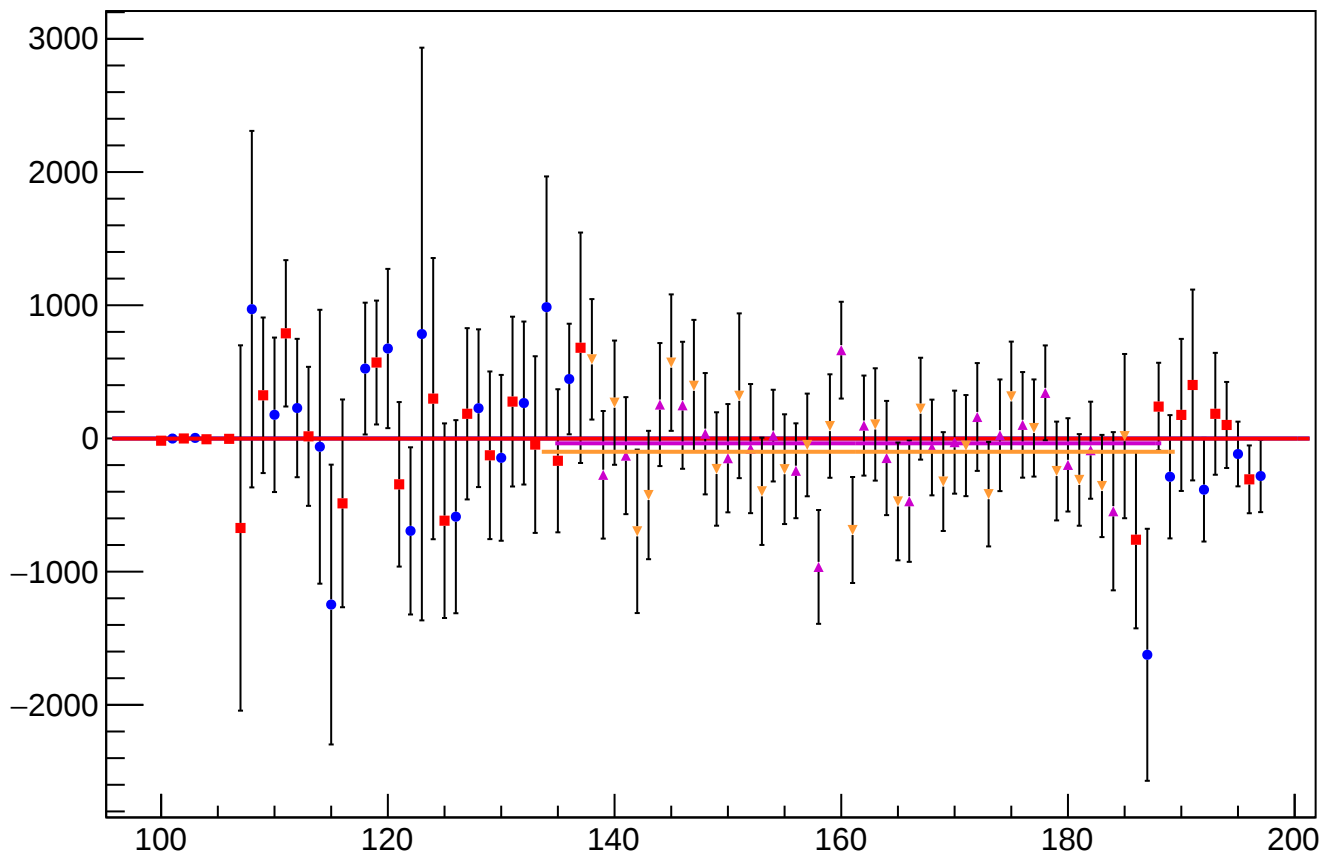
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 200.585 $\pm$ 0.029 χ^2 /NDF: 6403211.2/46

All: 196.899 $\pm$ 0.020 χ^2 /NDF: 12833573.7/95

- sign 193.441 $\pm$ 0.028 χ^2 /NDF: 6398348.3/48

asym_cav4dQ_mean vs Slug



Right In: -0.174 ± 1.736 χ^2/NDF : 15.7/21

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.325 ± 1.622 χ^2/NDF : 13.3/25

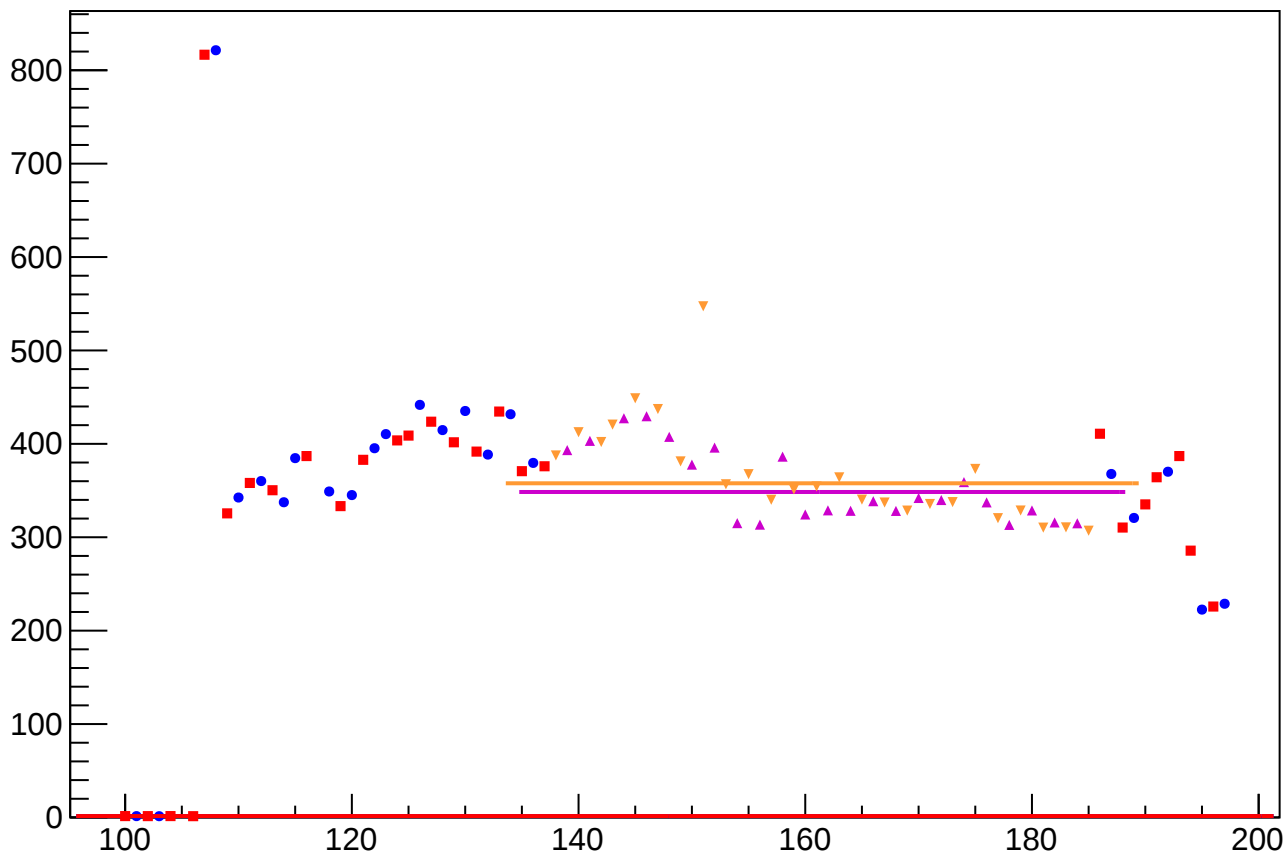
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.217 ± 1.736 χ^2/NDF : 32.8/46

All: -0.816 ± 1.185 χ^2/NDF : 60.0/95

- sign -1.338 ± 1.622 χ^2/NDF : 27.0/48

asym_cav4dQ_rms vs Slug



Right In: 1.486+/-0.001 χ^2/NDF : 17024820.9/21

Left Out: 357.771+/-0.060 χ^2/NDF : 547124.8/24

Right Out: 1.487+/-0.001 χ^2/NDF : 19077087.2/25

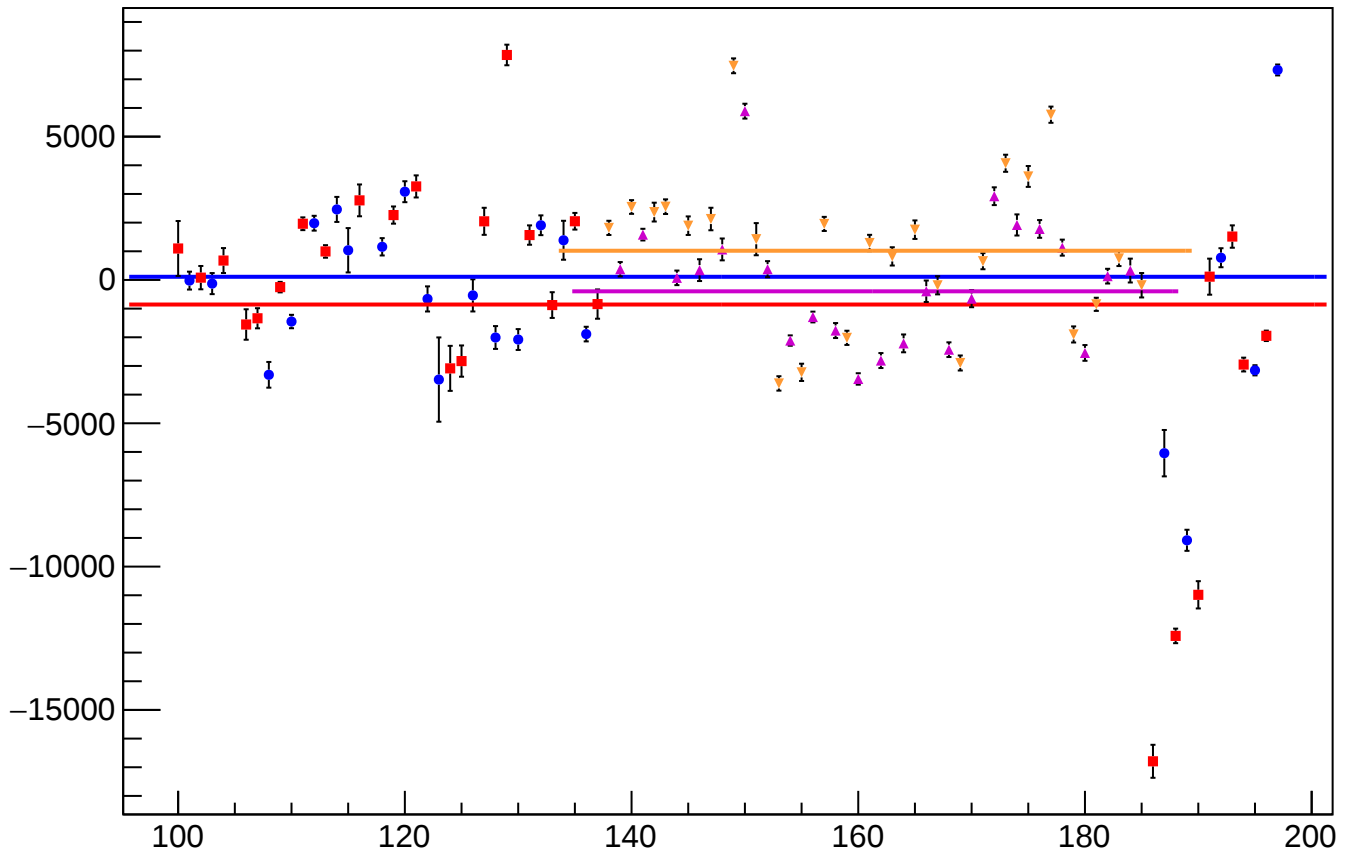
Left In: 348.464+/-0.060 χ^2/NDF : 360425.7/22

+ sign 1.638+/-0.001 χ^2/NDF : 53375106.7/46

All: 1.625+/-0.001 χ^2/NDF : 106383481.5/95

- sign 1.614+/-0.001 χ^2/NDF : 53008172.2/48

asym_bcm0l02_mean vs Slug



Right In: 110.427 ± 69.510 χ^2/NDF : 2884.2/21

Left Out: 1018.965 ± 57.402 χ^2/NDF : 2310.1/24

Right Out: -857.214 ± 64.281 χ^2/NDF : 4772.7/25

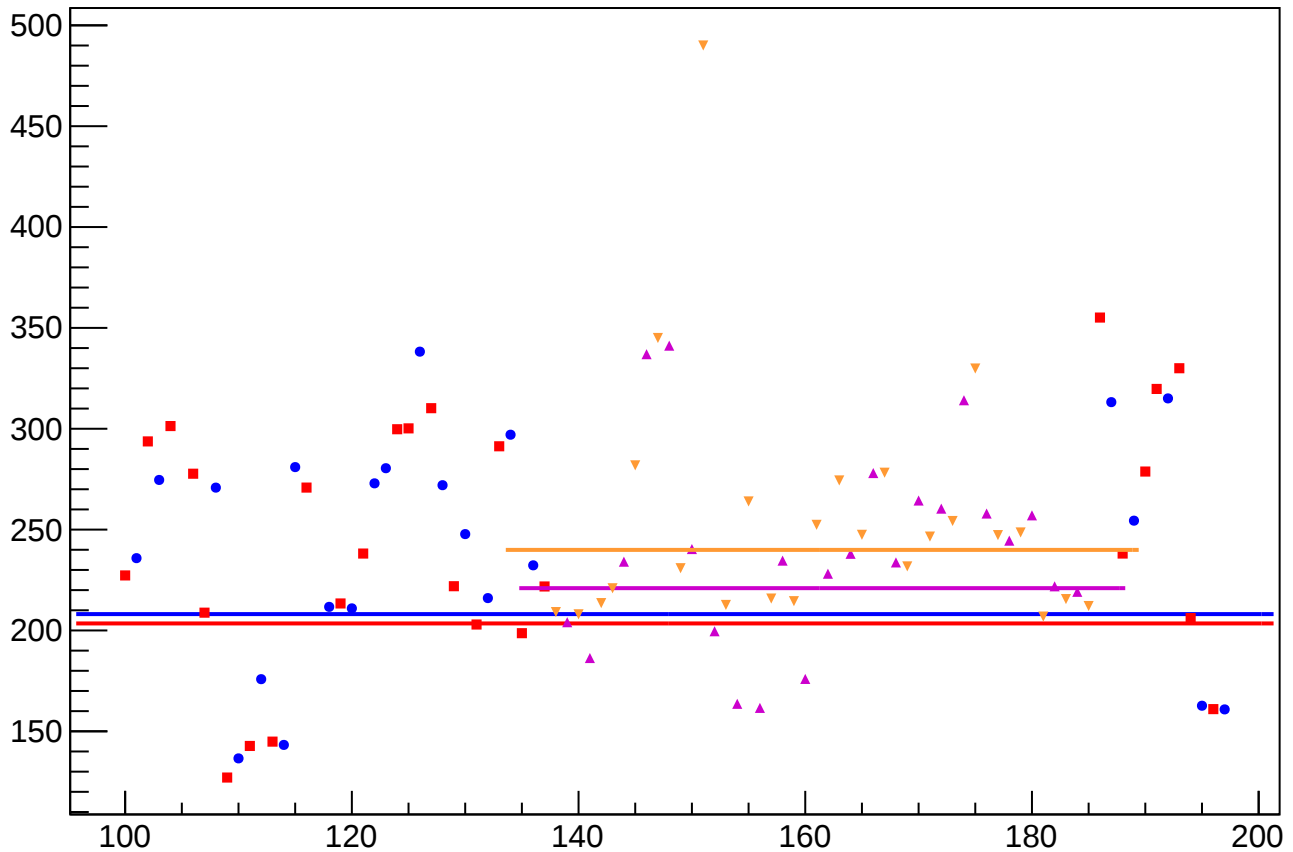
Left In: -396.609 ± 55.090 χ^2/NDF : 1581.0/22

+ sign 650.596 ± 44.261 χ^2/NDF : 5295.9/46

All: -5.577 ± 30.401 χ^2/NDF : 12095.3/95

- sign -591.656 ± 41.830 χ^2/NDF : 6383.3/48

asym_bcm0l02_rms vs Slug



Right In: 208.110 $\pm$ 0.049 χ^2 /NDF: 1212247.2/21

Left Out: 239.942 $\pm$ 0.041 χ^2 /NDF:1000770.0/24

Right Out: 203.479 $\pm$ 0.045 χ^2 /NDF: 1820960.9/25

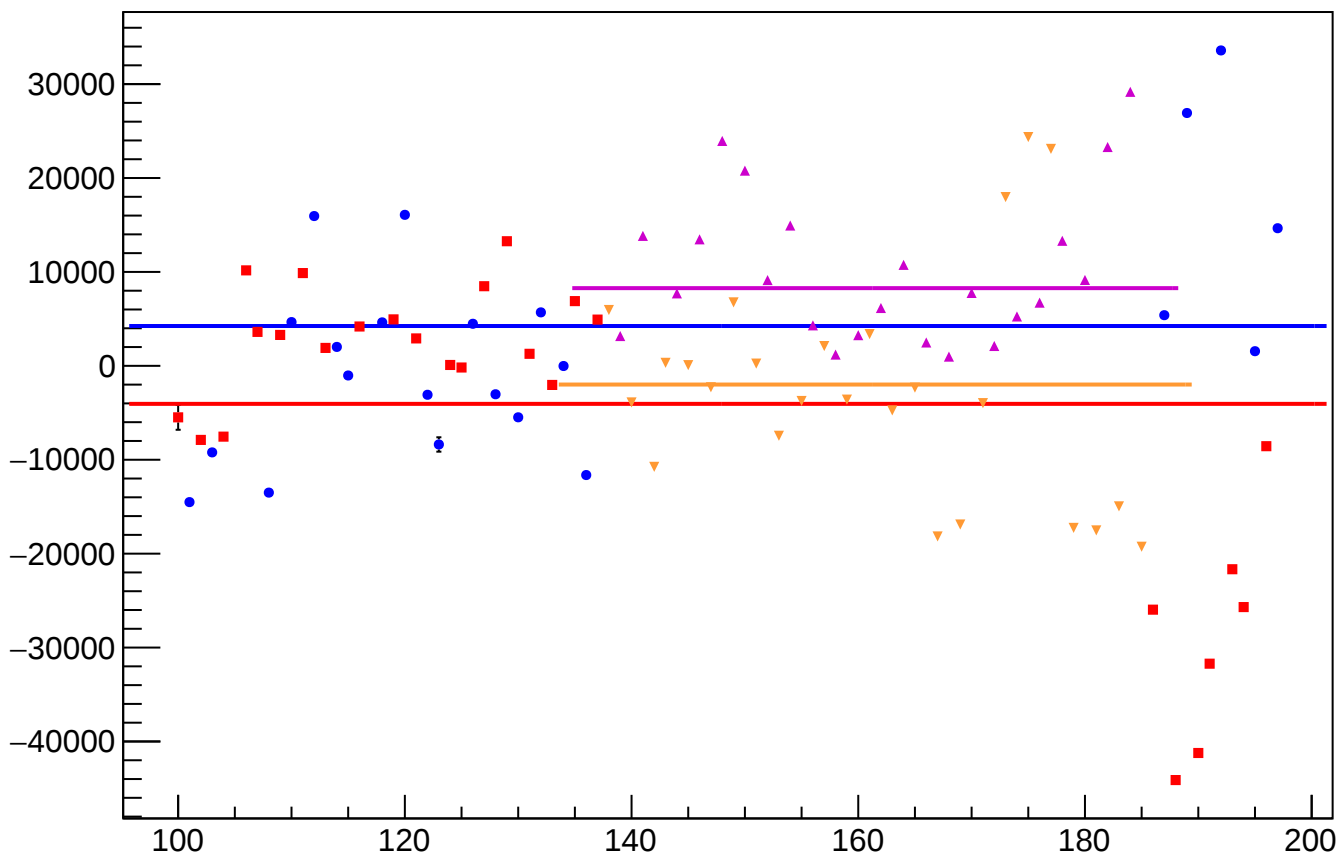
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 227.035 $\pm$ 0.031 χ^2 /NDF: 2462387.3/46

All: 219.920 $\pm$ 0.021 χ^2 /NDF: 5794271.6/95

- sign 213.564 $\pm$ 0.030 χ^2 /NDF: 3234025.7/48

asym_bpm0i02WS_mean vs Slug



Right In: 4240.789 ± 48.060 χ^2/NDF : 70934.3/21

Left Out: -1991.788 ± 42.427 χ^2/NDF : 63766.6/24

Right Out: -4049.137 ± 44.802 χ^2/NDF : 126987.7/25

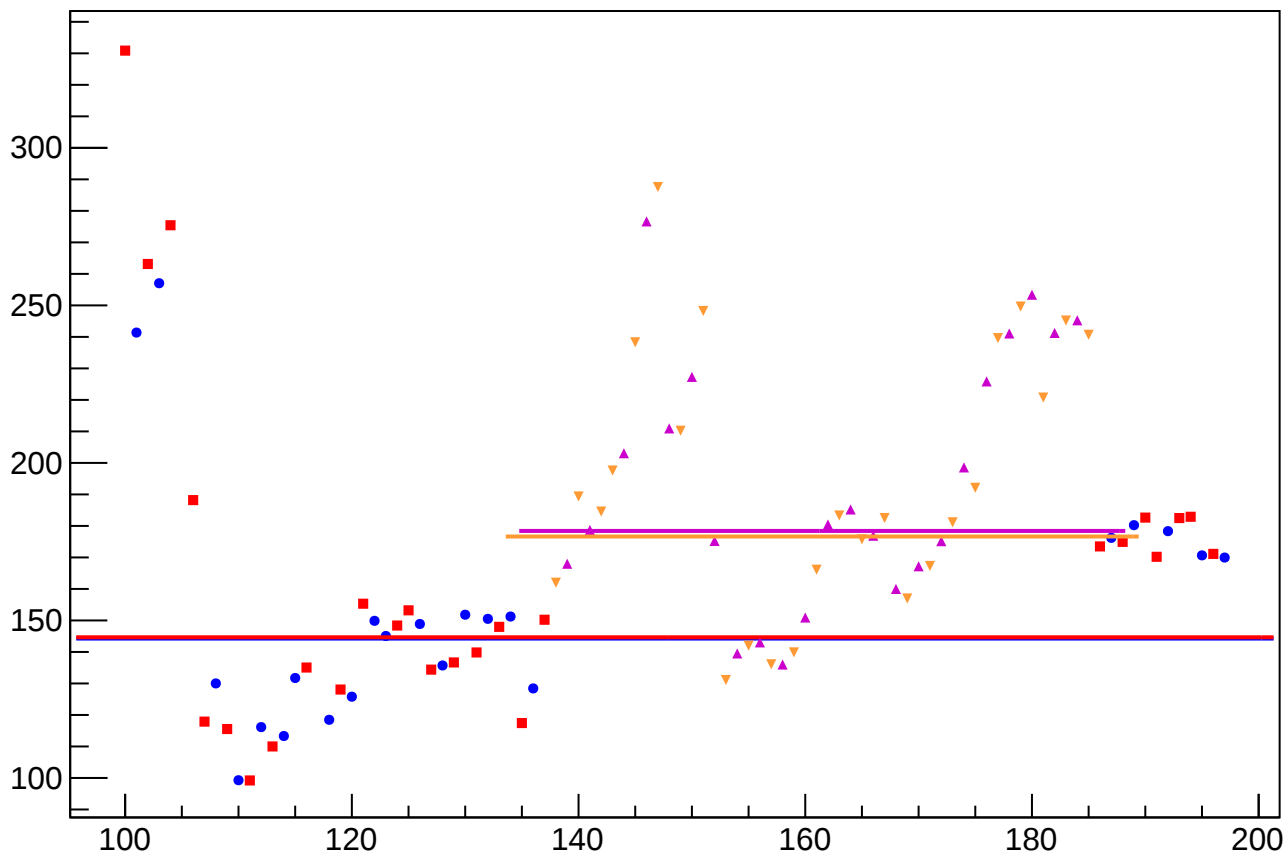
Left In: 8273.228 ± 44.301 χ^2/NDF : 22870.2/22

+ sign 737.960 ± 31.806 χ^2/NDF : 144152.6/46

All: 1466.607 ± 22.382 χ^2/NDF : 333298.7/95

- sign 2181.343 ± 31.501 χ^2/NDF : 188106.5/48

asym_bpm0i02WS_rms vs Slug



Right In: 144.251+/-0.034 χ^2/NDF : 899396.0/21

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 144.652+/-0.032 χ^2/NDF : 1221837.7/25

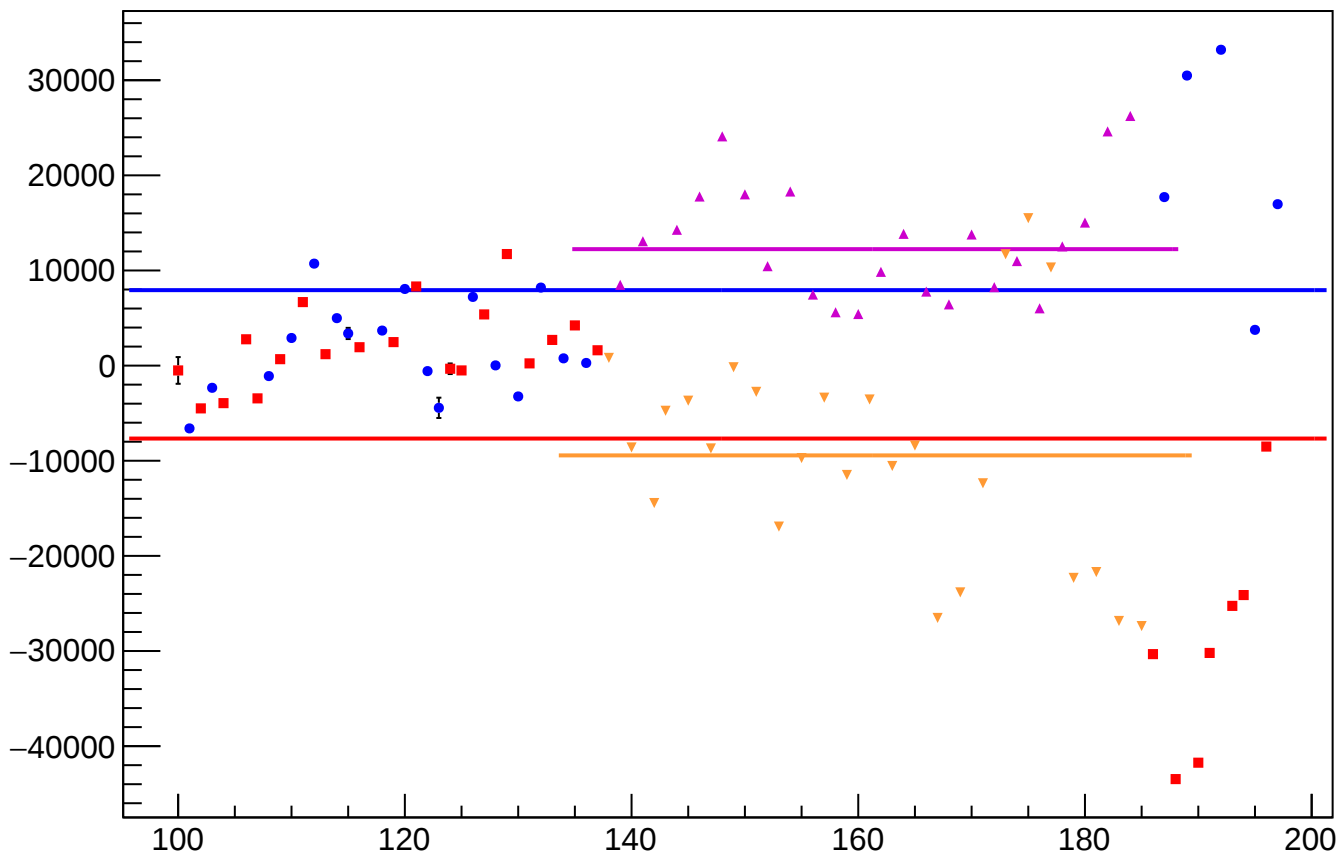
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 162.455+/-0.022 χ^2/NDF : 2960964.7/46

All: 162.085+/-0.016 χ^2/NDF : 6051301.7/95

- sign 161.723+/-0.022 χ^2/NDF : 3089802.2/48

asym_bpm0i02aWS_mean vs Slug



Right In: 7932.653+/-58.102 χ^2/NDF : 33338.7/21

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -7667.264+/-53.252 χ^2/NDF : 95981.8/25

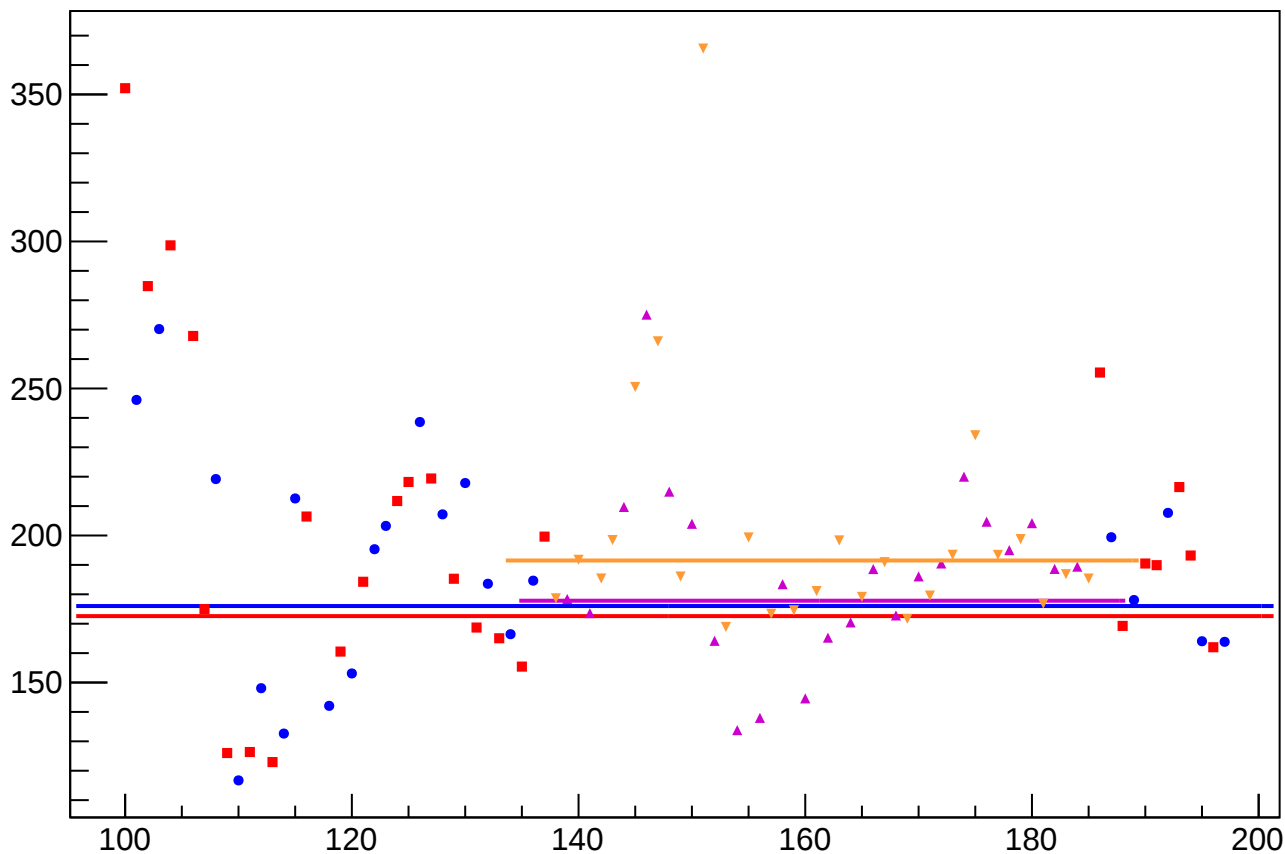
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -2828.336+/-35.840 χ^2/NDF : 150927.7/46

All: 869.503+/-24.626 χ^2/NDF : 366845.8/95

- sign 4176.741+/-33.894 χ^2/NDF : 195751.6/48

asym_bpm0i02aWS_rms vs Slug



Right In: 176.010 $\pm$ 0.041 χ^2 /NDF: 750925.5/21

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 172.584 $\pm$ 0.038 χ^2 /NDF: 1119819.8/25

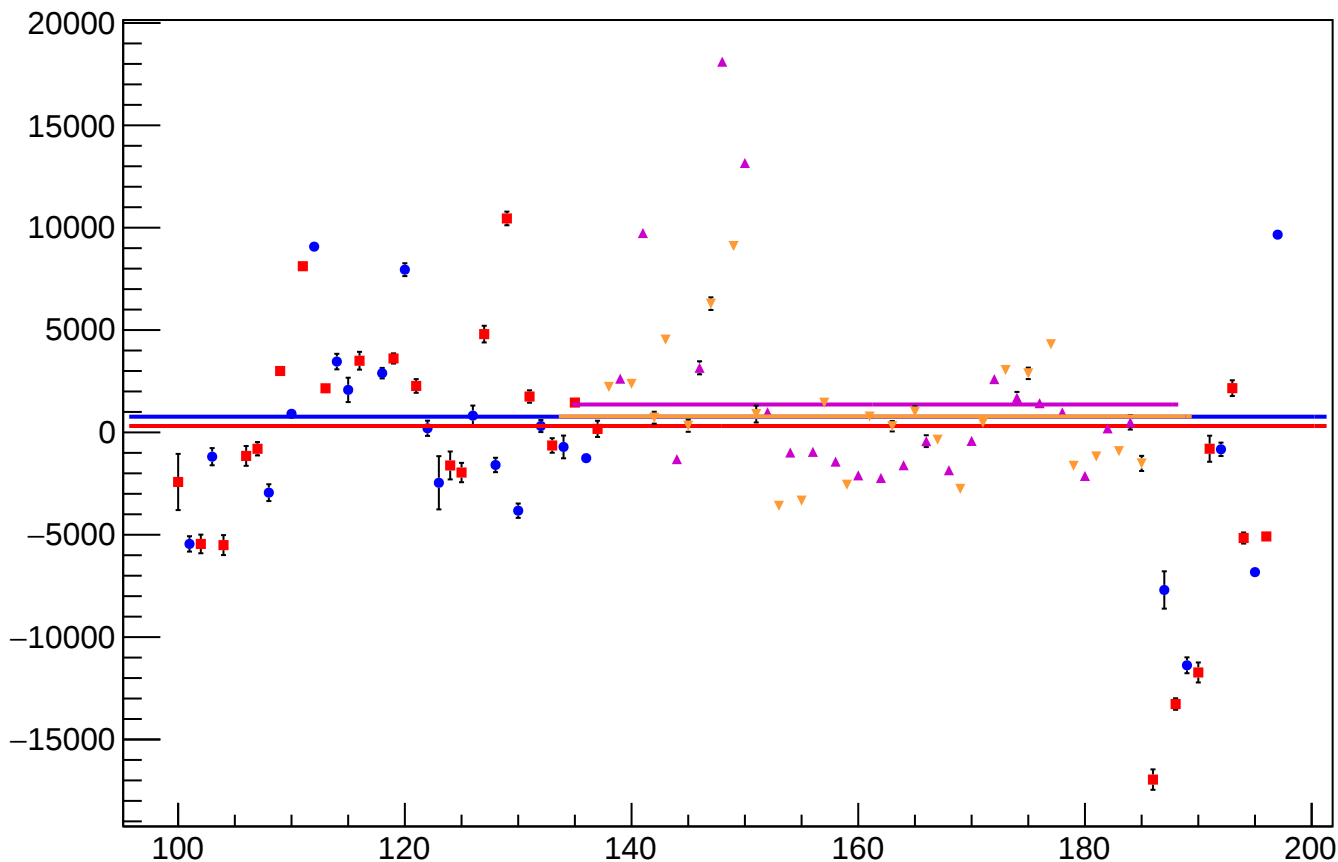
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 185.611 $\pm$ 0.025 χ^2 /NDF: 1566313.2/46

All: 180.379 $\pm$ 0.017 χ^2 /NDF: 3640872.0/95

- sign 175.700 $\pm$ 0.024 χ^2 /NDF: 1993823.6/48

asym_bpm0i05WS_mean vs Slug



Right In: 767.204 $\pm$ 65.545 χ^2 /NDF: 7071.7/21

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF: 4260.8/24

Right Out: 312.459 $\pm$ 60.525 χ^2 /NDF: 9002.5/25

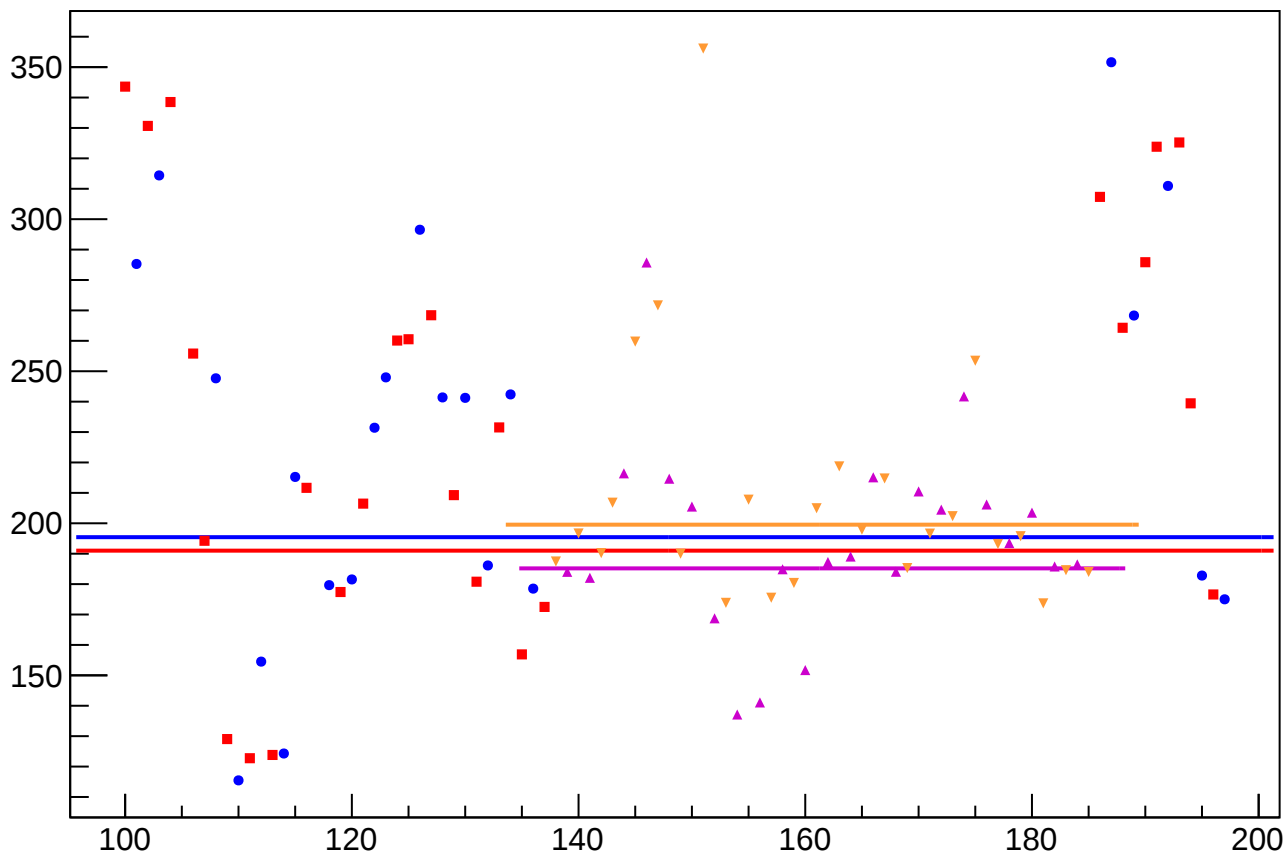
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF: 11632.9/22

+ sign 775.588 $\pm$ 38.439 χ^2 /NDF: 11332.5/46

All: 883.240 $\pm$ 26.478 χ^2 /NDF: 32174.4/95

- sign 980.438 $\pm$ 36.525 χ^2 /NDF: 20826.9/48

asym_bpm0i05WS_rms vs Slug



Right In: 195.435 $\pm$ 0.046 χ^2 /NDF: 1394457.9/21

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 191.002 $\pm$ 0.043 χ^2 /NDF: 2124066.6/25

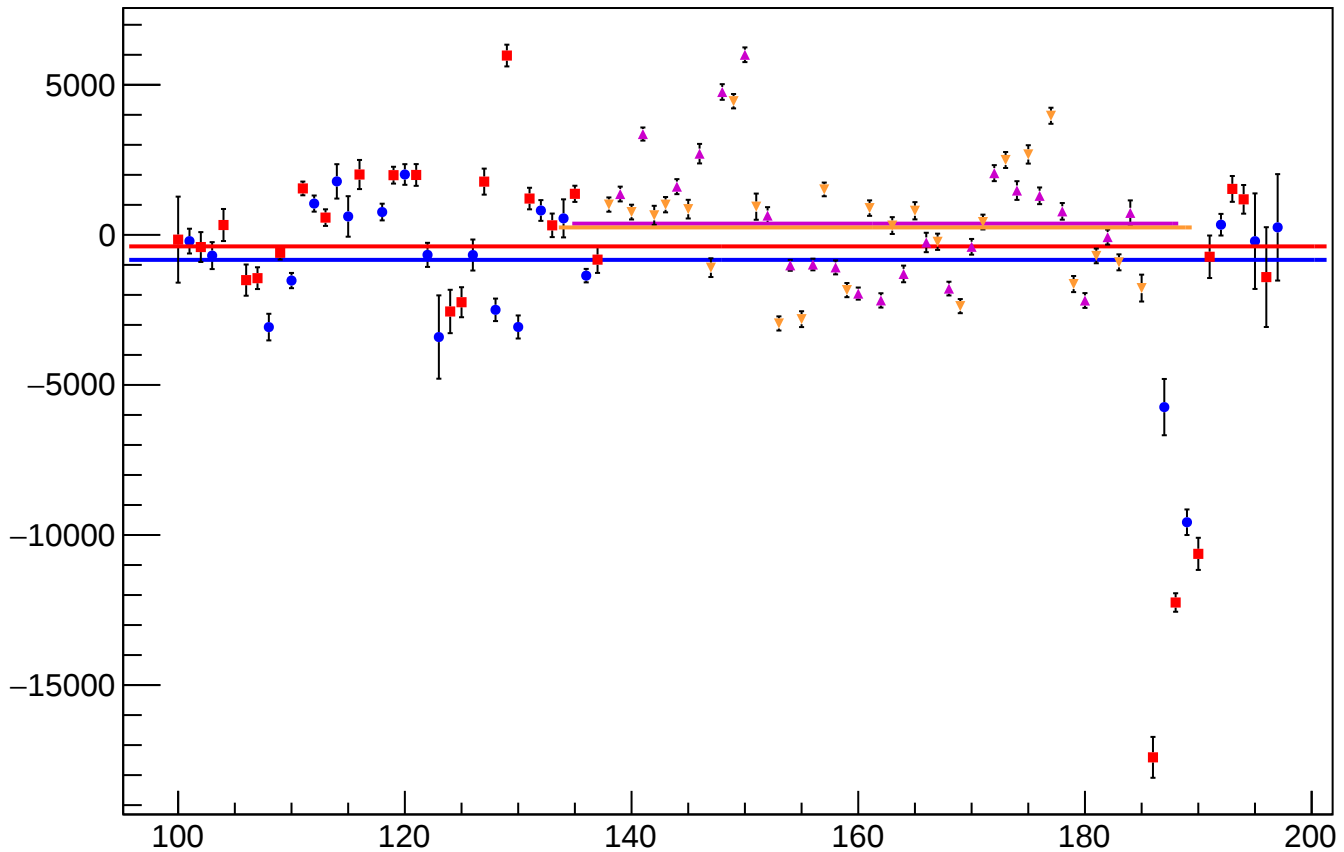
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 198.133 $\pm$ 0.027 χ^2 /NDF: 2128978.1/46

All: 192.437 $\pm$ 0.019 χ^2 /NDF: 5231158.1/95

- sign 187.294 $\pm$ 0.026 χ^2 /NDF: 3018624.3/48

asym_bpm0i07WS_mean vs Slug



Right In: -832.754 ± 83.944 χ^2/NDF : 760.0/21

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -383.667 ± 75.340 χ^2/NDF : 3162.2/25

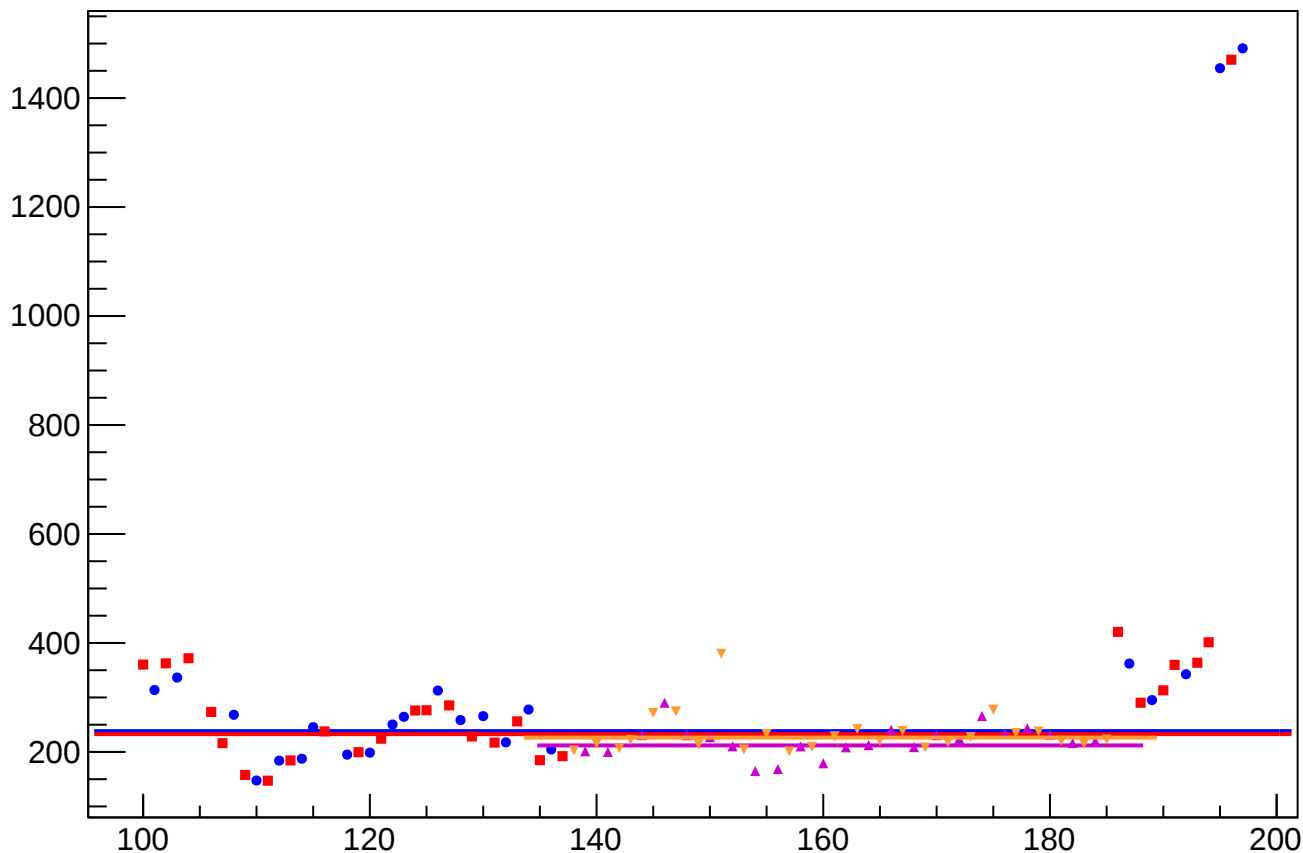
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -64.750 ± 45.149 χ^2/NDF : 2232.8/46

All: 37.398 ± 31.070 χ^2/NDF : 7274.2/95

- sign 129.293 ± 42.823 χ^2/NDF : 5031.7/48

asym_bpm0i07WS_rms vs Slug



Right In: 238.192 ± 0.059 χ^2/NDF : 3123082.0/21

Left Out: 226.322 ± 0.038 χ^2/NDF : 521041.8/24

Right Out: 232.680 ± 0.053 χ^2/NDF : 2913252.4/25

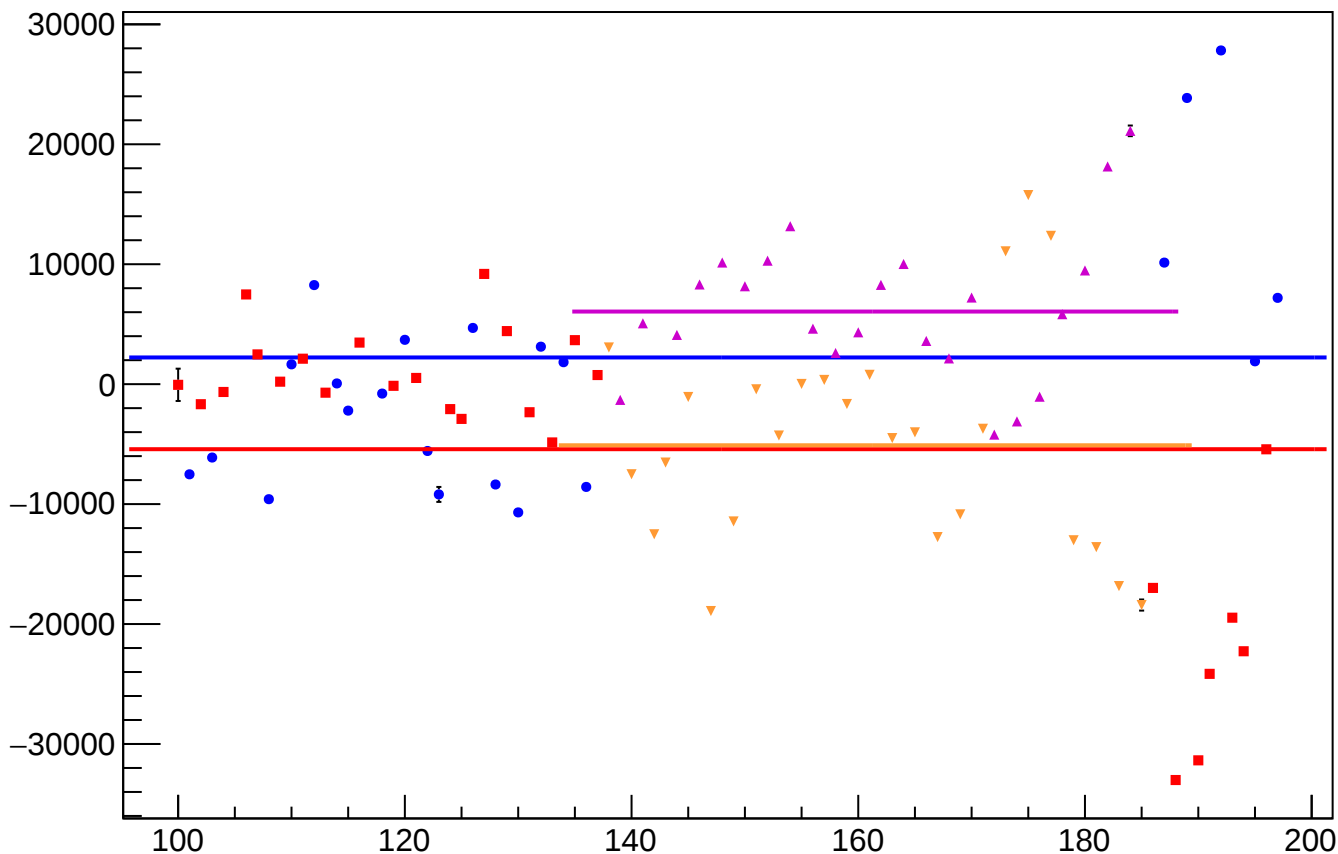
Left In: 211.970 ± 0.037 χ^2/NDF : 584344.5/22

+ sign 229.756 ± 0.032 χ^2/NDF : 3672545.8/46

All: 223.915 ± 0.022 χ^2/NDF : 7336014.0/95

- sign 218.661 ± 0.030 χ^2/NDF : 3599895.6/48

asym_bpm1i02WS_mean vs Slug



Right In: 2226.329+/-40.889 χ^2/NDF : 67216.7/21

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5422.762+/-37.754 χ^2/NDF : 99652.5/25

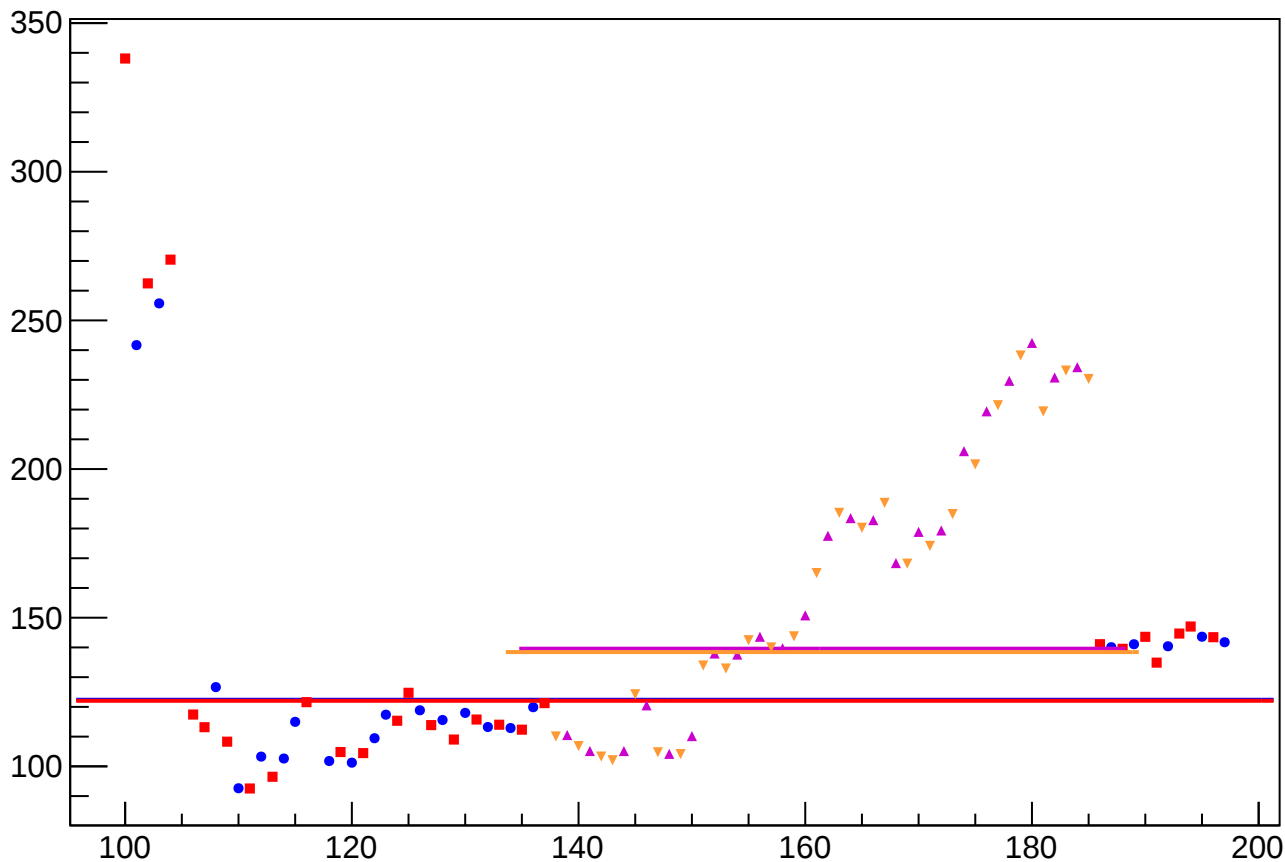
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -2133.339+/-26.007 χ^2/NDF : 140703.5/46

All: -672.871+/-18.268 χ^2/NDF : 313867.0/95

- sign 749.558+/-25.666 χ^2/NDF : 166938.6/48

asym_bpm1i02WS_rms vs Slug



Right In: 122.395+/-0.029 χ^2/NDF : 896815.7/21

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 122.058+/-0.027 χ^2/NDF : 1050050.8/25

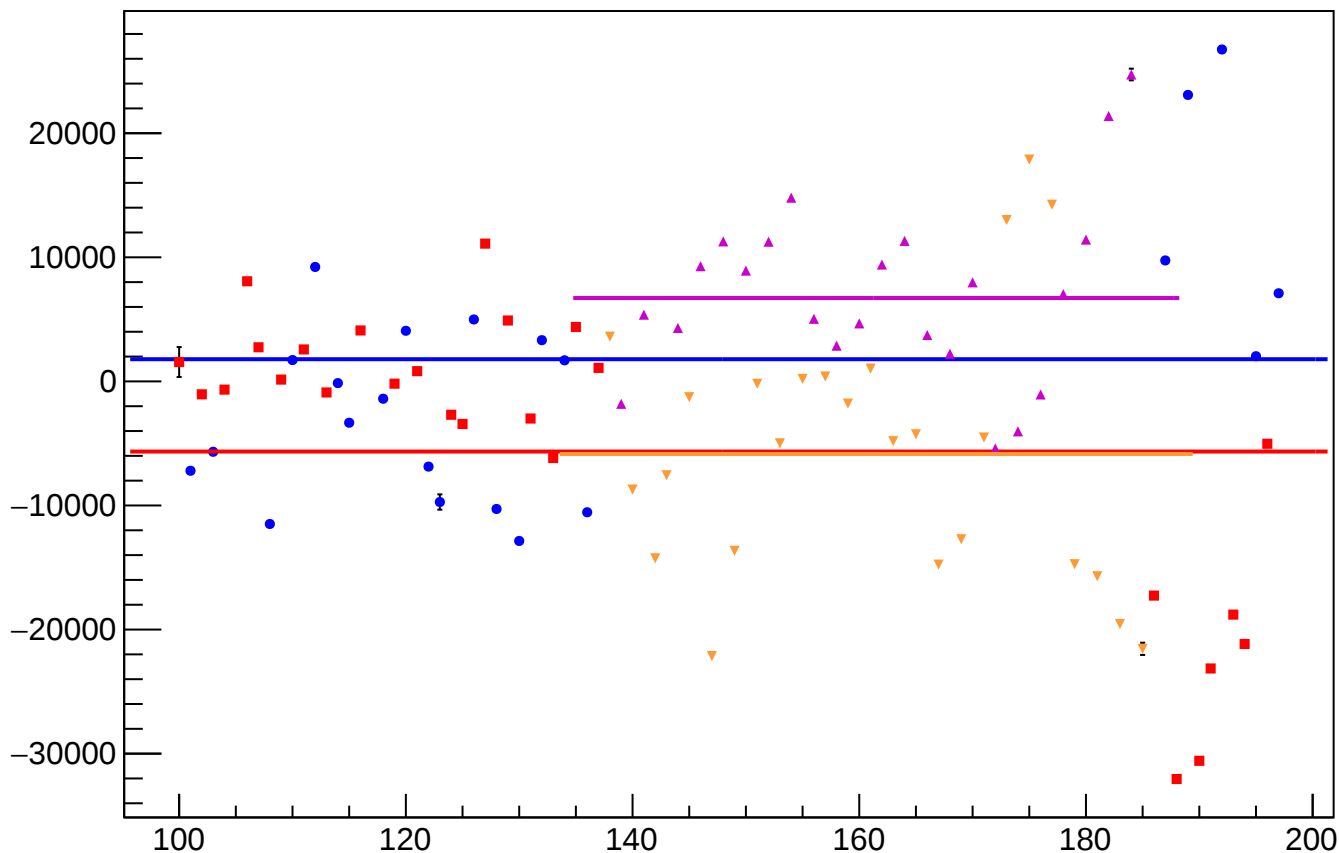
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.946+/-0.018 χ^2/NDF : 3629520.6/46

All: 131.710+/-0.013 χ^2/NDF : 7325186.8/95

- sign 131.481+/-0.018 χ^2/NDF : 3695341.2/48

asym_bpm2i01WS_mean vs Slug



Right In: 1787.948 $\pm$ 41.346 χ^2 /NDF: 72353.3/21

Left Out: -5852.544 $\pm$ 35.880 χ^2 /NDF: 63411.4/24

Right Out: -5653.234 $\pm$ 38.292 χ^2 /NDF: 99903.6/25

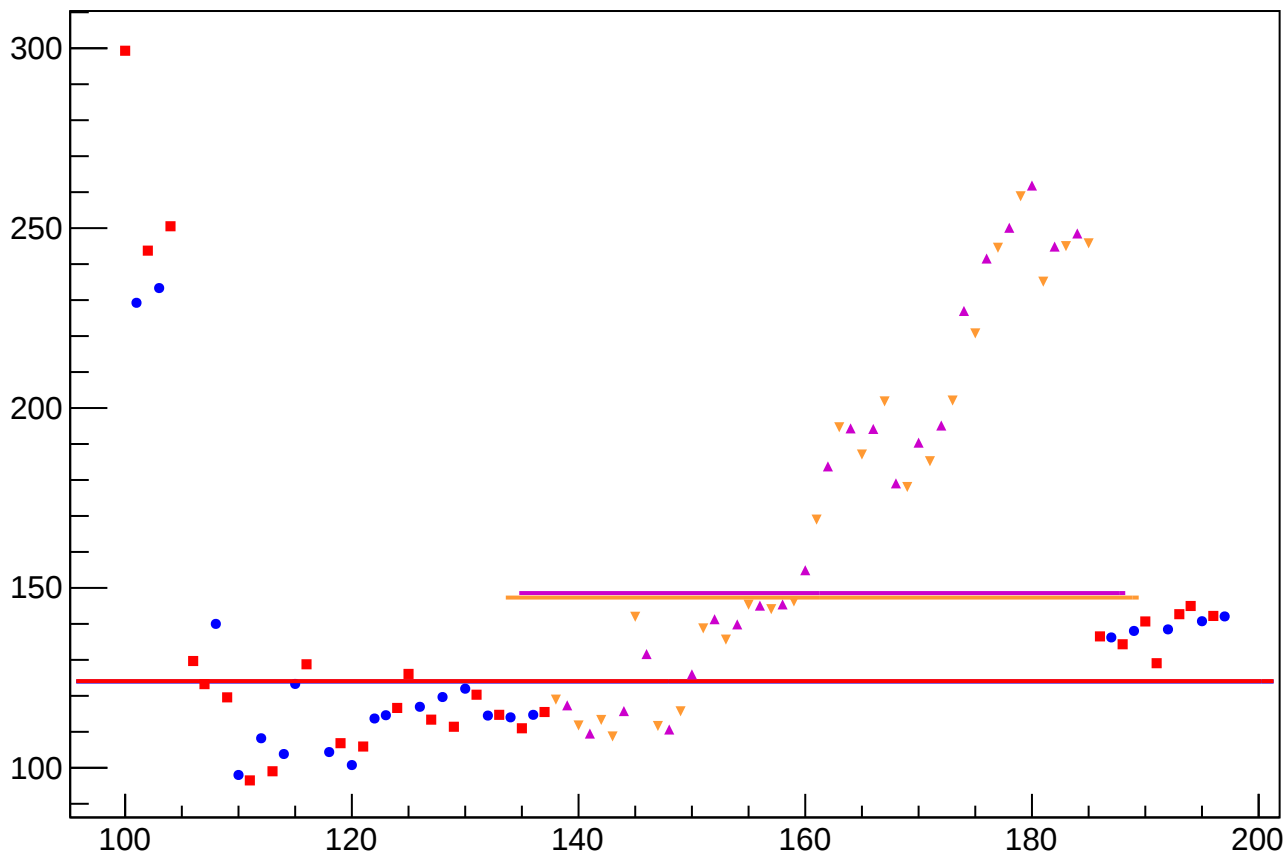
Left In: 6718.475 $\pm$ 37.276 χ^2 /NDF: 20934.3/22

+ sign -2570.441 $\pm$ 27.099 χ^2 /NDF: 155244.1/46

All: -912.074 $\pm$ 19.023 χ^2 /NDF: 337061.9/95

- sign 699.035 $\pm$ 26.710 χ^2 /NDF: 174434.5/48

asym_bpm2i01WS_rms vs Slug



Right In: 123.976+/-0.029 χ^2/NDF : 743847.3/21

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 124.096+/-0.027 χ^2/NDF : 849054.2/25

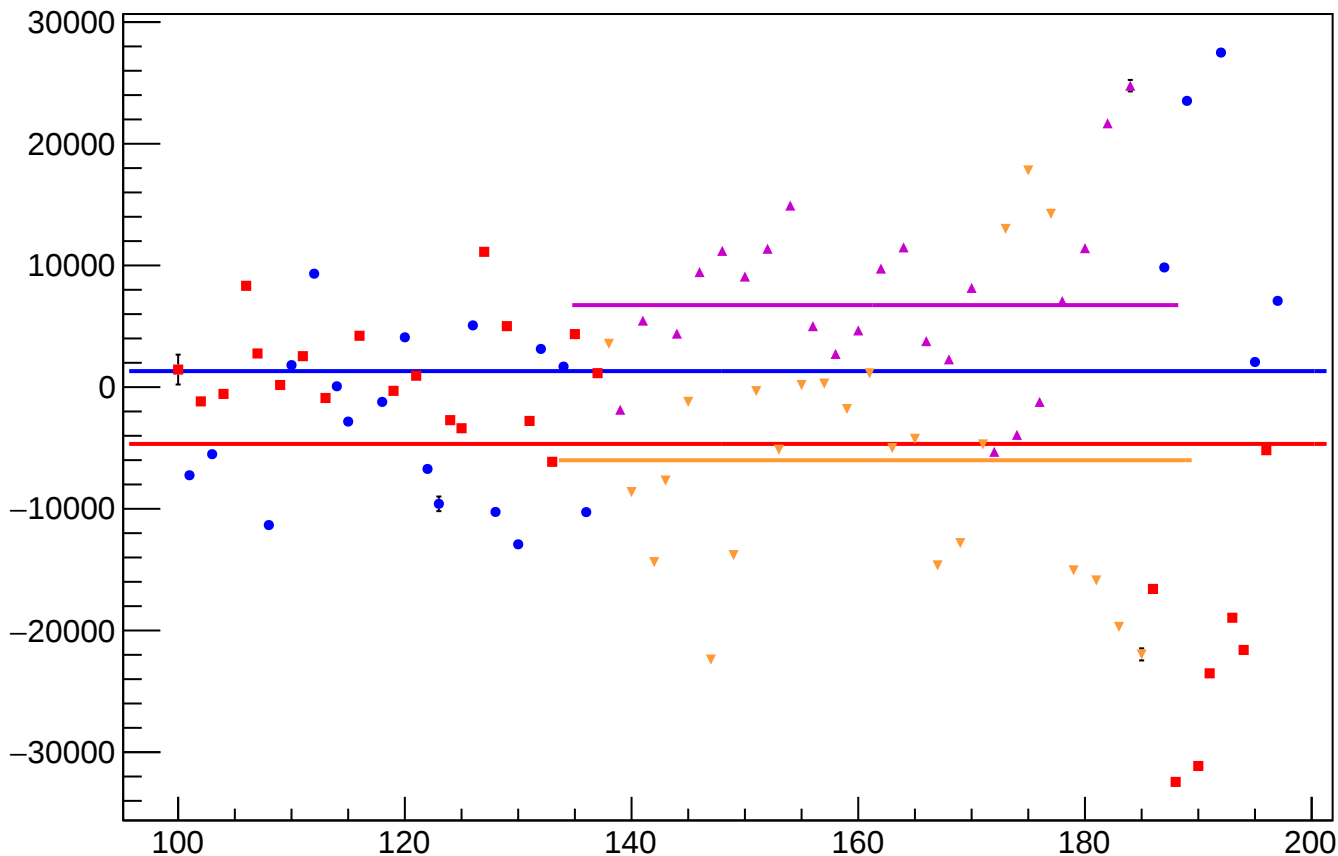
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 137.290+/-0.019 χ^2/NDF : 3619122.8/46

All: 136.971+/-0.013 χ^2/NDF : 7281352.1/95

- sign 136.661+/-0.019 χ^2/NDF : 3661682.6/48

asym_bpm2i02WS_mean vs Slug



Right In: 1316.465+/-40.484 χ^2/NDF : 71130.5/21

Left Out: -6009.913+/-35.082 χ^2/NDF : 67852.2/24

Right Out: -4666.091+/-37.761 χ^2/NDF : 94960.7/25

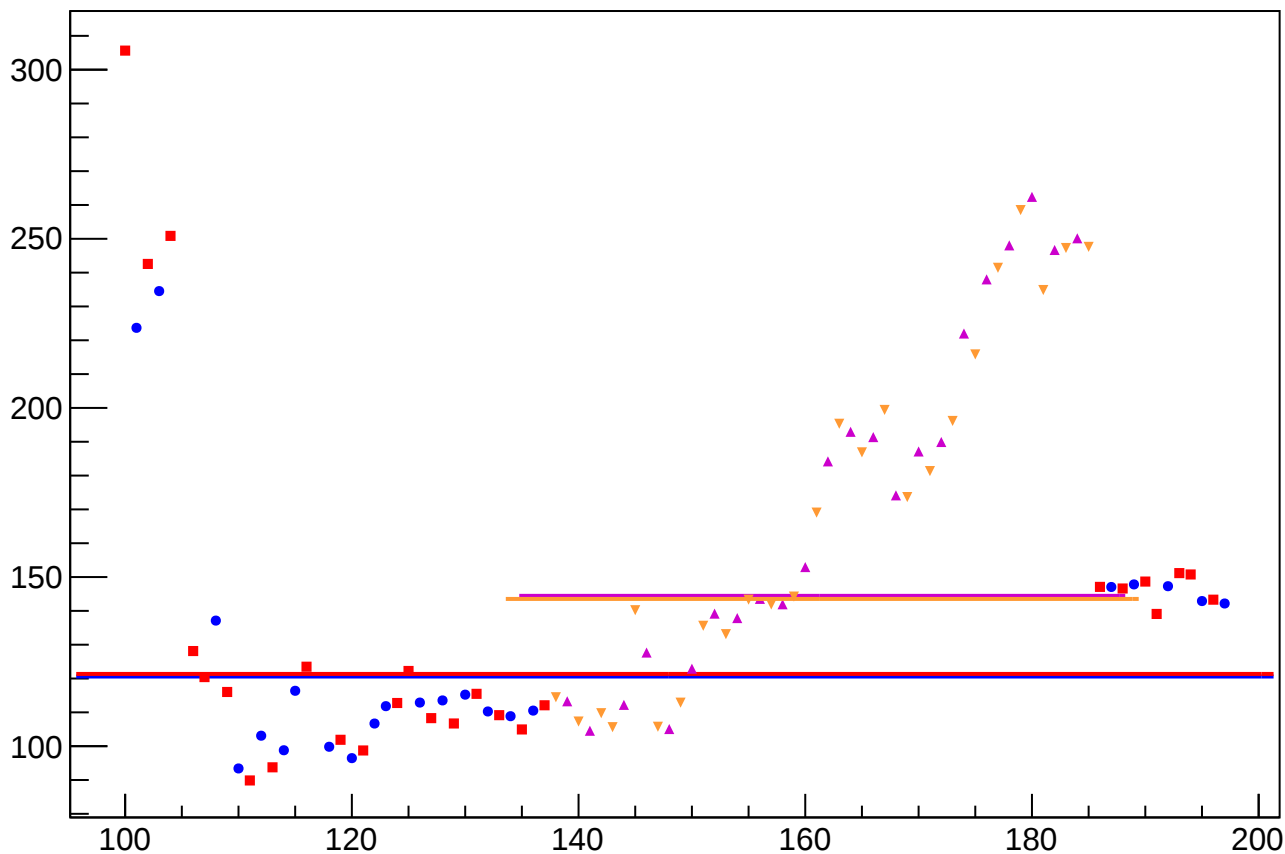
Left In: 6740.666+/-36.379 χ^2/NDF : 22071.8/22

+ sign -2867.743+/-26.512 χ^2/NDF : 157687.1/46

All: -784.480+/-18.635 χ^2/NDF : 334248.2/95

- sign 1249.805+/-26.199 χ^2/NDF : 164357.7/48

asym_bpm2i02WS_rms vs Slug



Right In: 120.595+/-0.029 χ^2/NDF : 909166.6/21

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 121.358+/-0.027 χ^2/NDF : 1128248.5/25

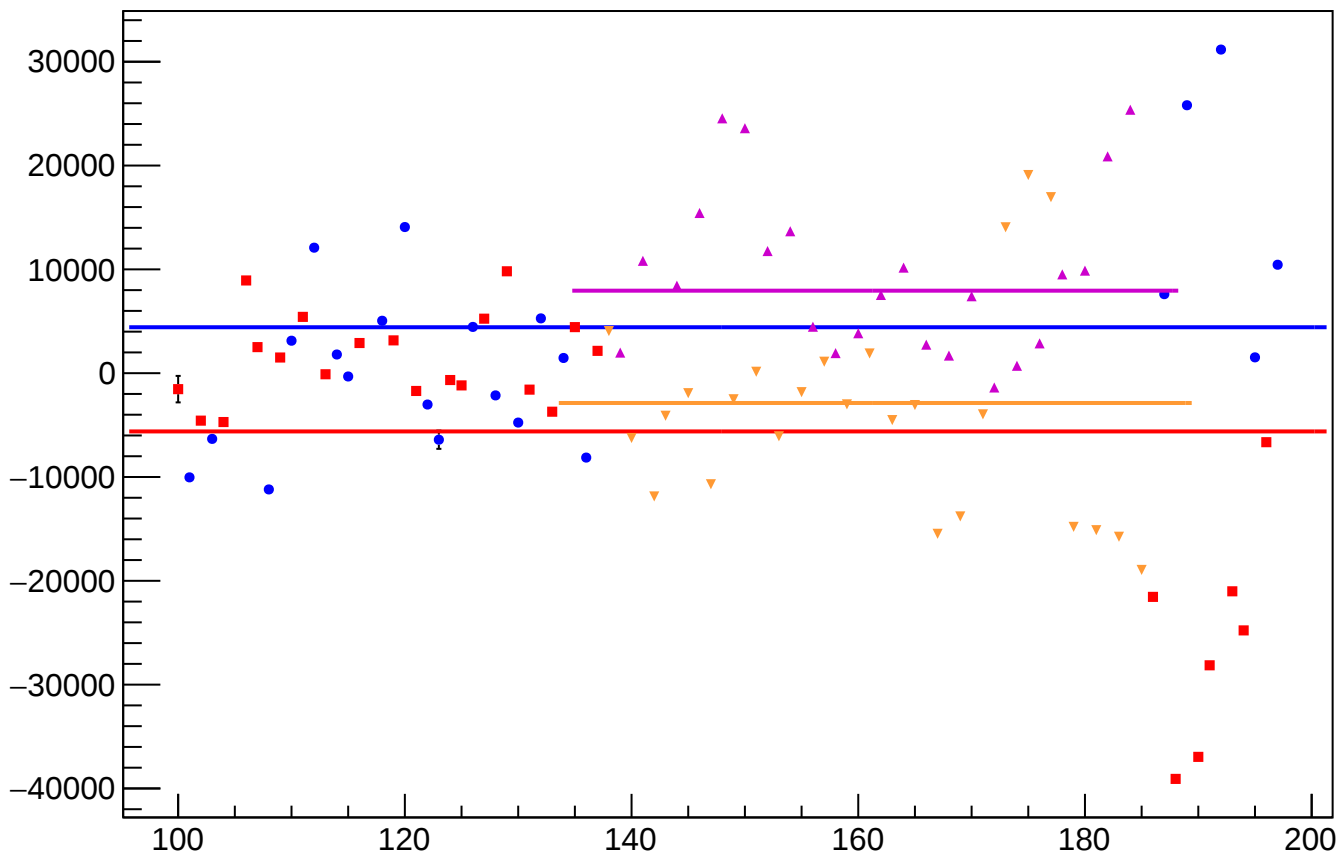
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 133.694+/-0.019 χ^2/NDF : 3980575.5/46

All: 133.509+/-0.013 χ^2/NDF : 8083492.4/95

- sign 133.329+/-0.019 χ^2/NDF : 4102725.1/48

asym_bpm0i01WS_mean vs Slug



Right In: 4425.301+/-48.956 χ^2/NDF : 52490.4/21

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: -5610.364+/-45.600 χ^2/NDF : 92320.8/25

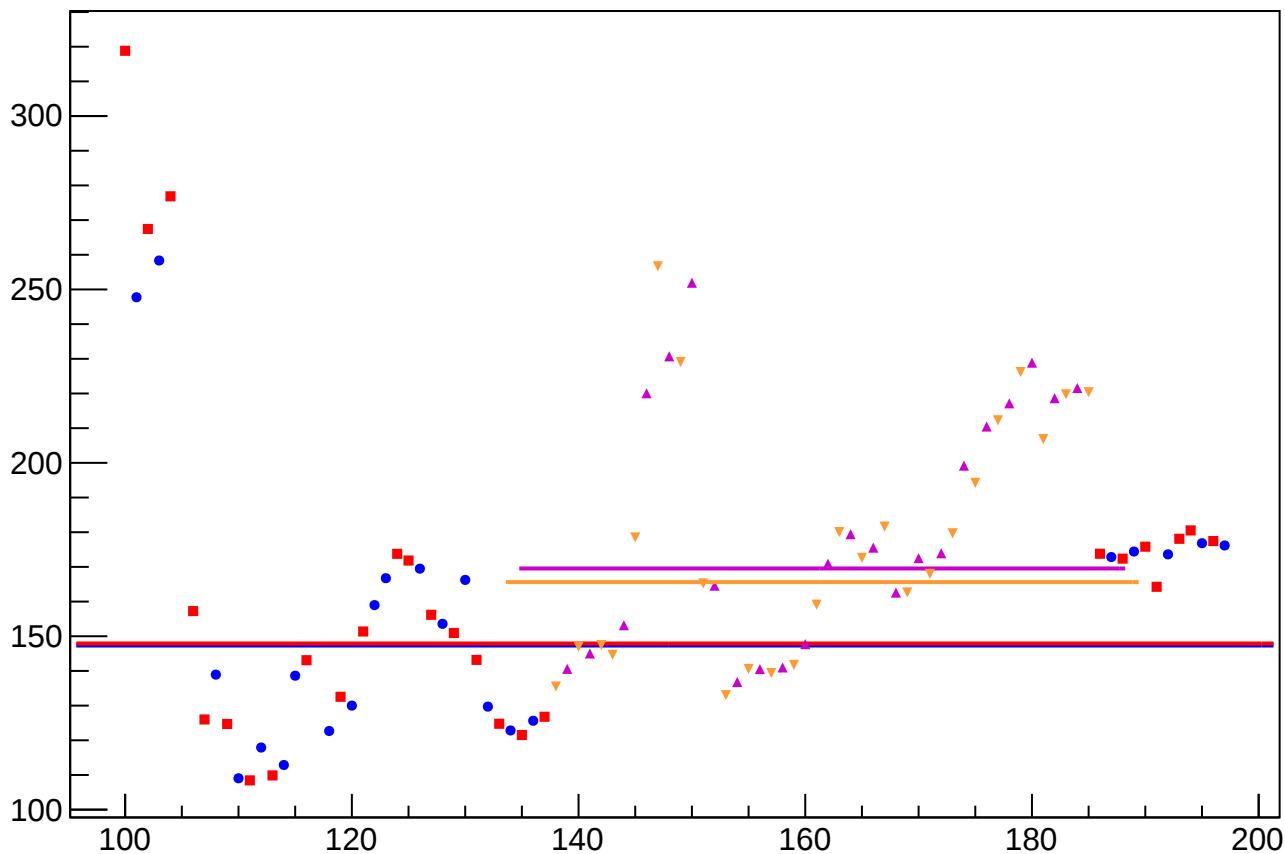
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign 4.703+/-30.733 χ^2/NDF : 112367.3/46

All: 885.262+/-21.749 χ^2/NDF : 278319.1/95

- sign 1768.698+/-30.783 χ^2/NDF : 164307.3/48

asym_bpm0i01WS_rms vs Slug



Right In: 147.331+/-0.035 χ^2/NDF : 871940.3/21

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 147.915+/-0.032 χ^2/NDF : 1050289.3/25

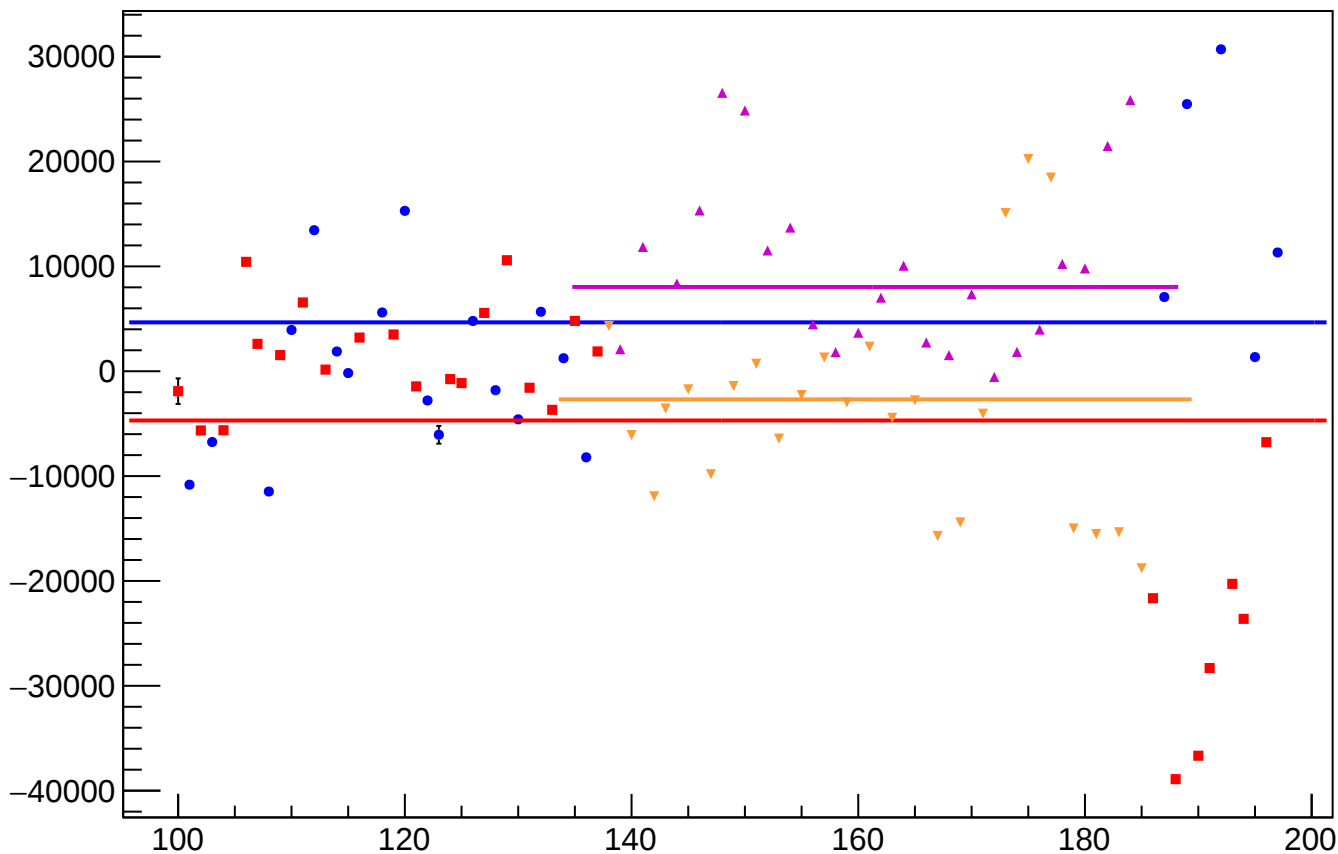
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 158.410+/-0.022 χ^2/NDF : 2185778.6/46

All: 159.047+/-0.015 χ^2/NDF : 4641872.3/95

- sign 159.686+/-0.022 χ^2/NDF : 2454373.1/48

asym_bpm0i01aWS_mean vs Slug



Right In: 4661.918+/-41.070 χ^2/NDF : 73240.1/21

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -4696.073+/-37.989 χ^2/NDF : 128194.3/25

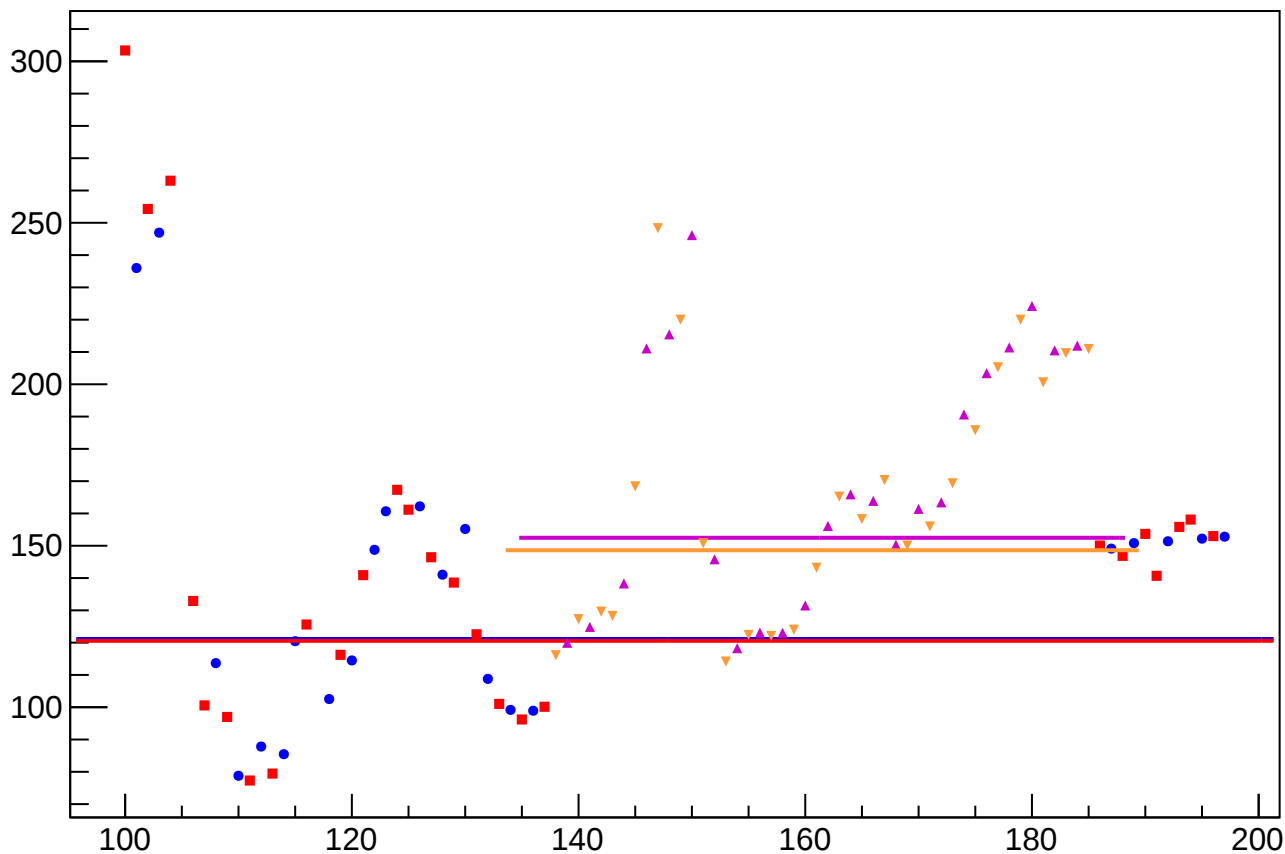
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 486.336+/-26.971 χ^2/NDF : 148236.0/46

All: 1086.696+/-19.025 χ^2/NDF : 362944.1/95

- sign 1681.218+/-26.839 χ^2/NDF : 213722.0/48

asym_bpm0i01aWS_rms vs Slug



Right In: 121.123+/-0.029 χ^2/NDF : 1445923.4/21

Left Out: 148.611+/-0.025 χ^2/NDF :1685424.1/24

Right Out: 120.569+/-0.027 χ^2/NDF : 1759846.2/25

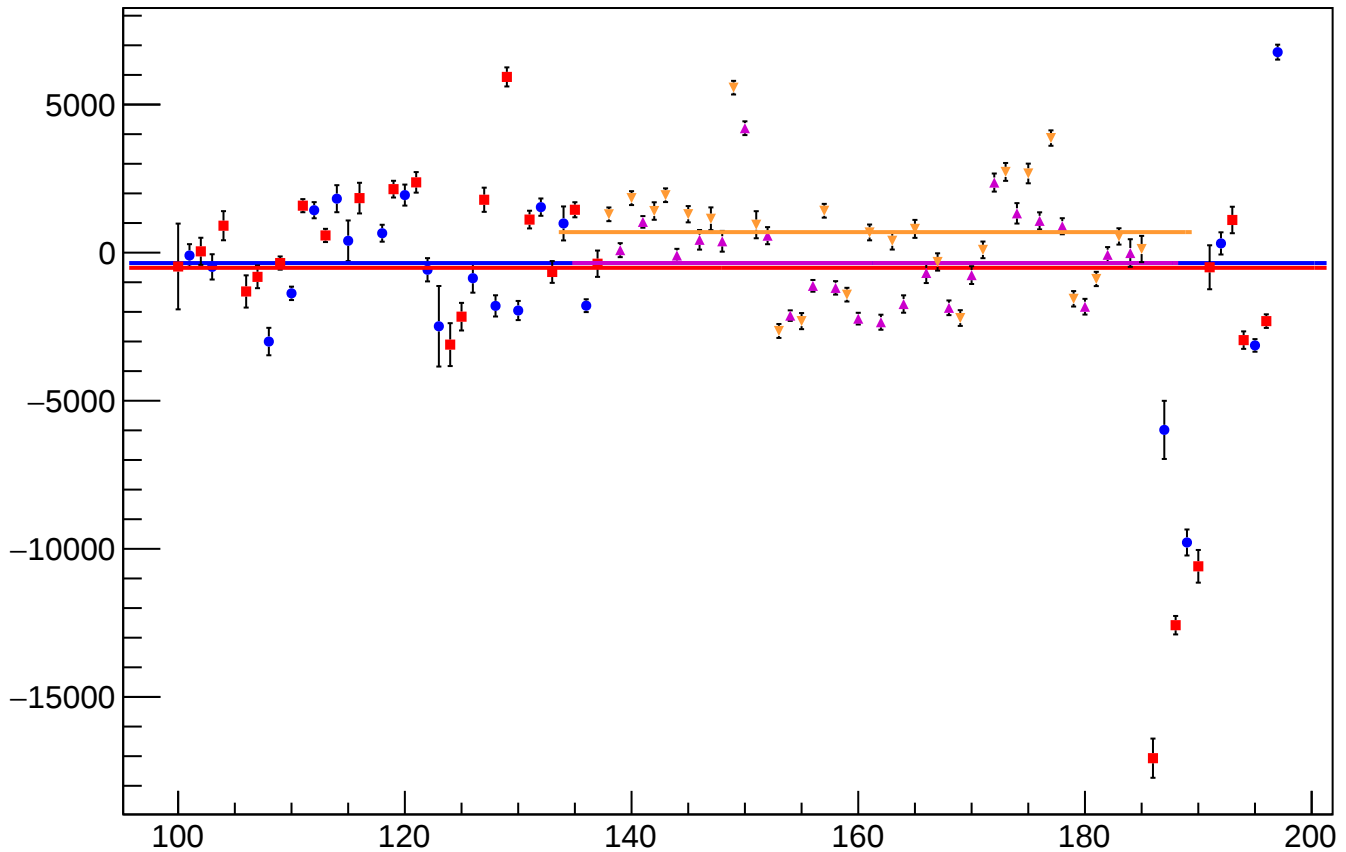
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 136.756+/-0.019 χ^2/NDF : 3640889.3/46

All: 136.649+/-0.013 χ^2/NDF : 7798384.0/95

- sign 136.543+/-0.019 χ^2/NDF : 4157432.3/48

asym_bpm0l01WS_mean vs Slug



Right In: -351.744 ± 72.030 χ^2/NDF : 1774.5/21

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: -512.536 ± 67.582 χ^2/NDF : 3451.2/25

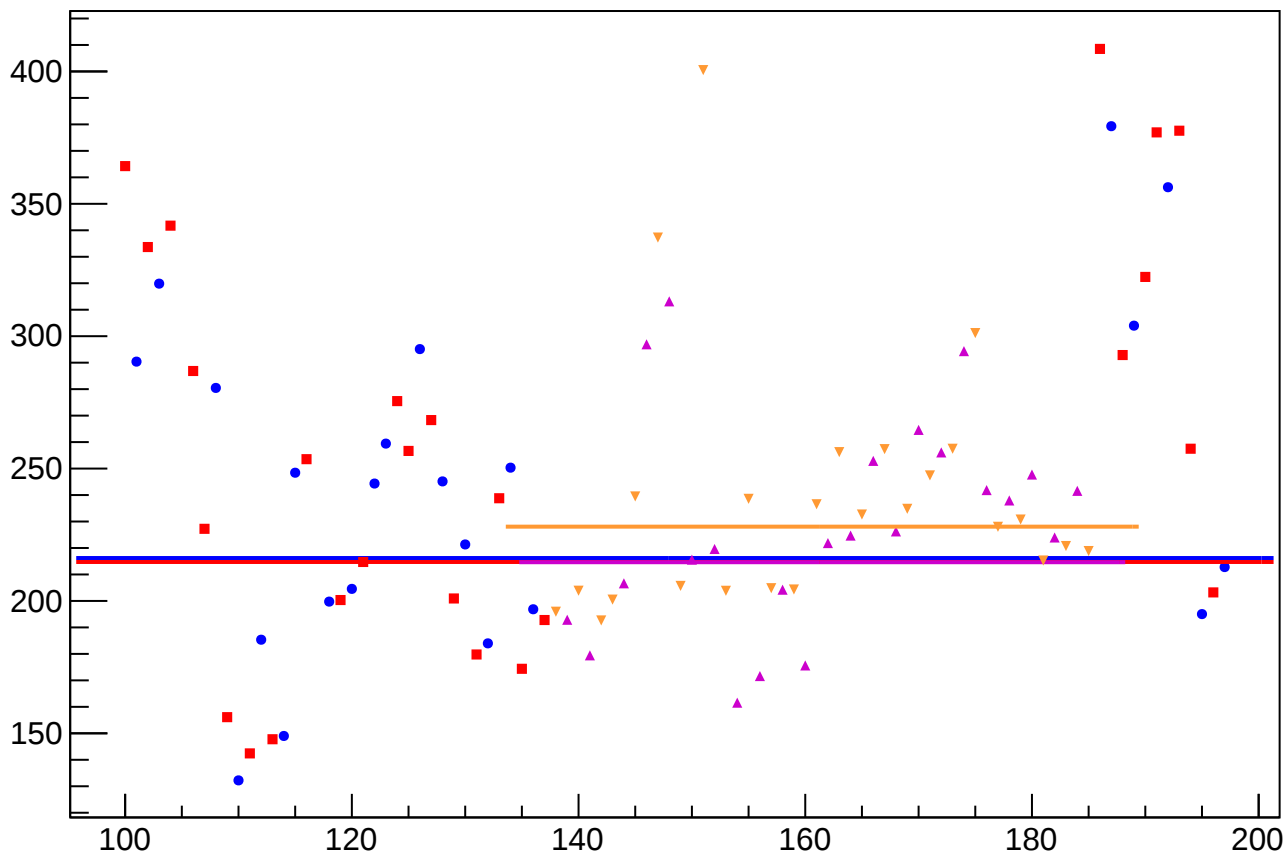
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 314.390 ± 43.361 χ^2/NDF : 3330.7/46

All: -62.443 ± 30.075 χ^2/NDF : 7912.0/95

- sign -411.798 ± 41.751 χ^2/NDF : 4435.7/48

asym_bpm0l01WS_rms vs Slug



Right In: 216.209 ± 0.051 $\chi^2/\text{NDF}: 1148815.1/21$

Left Out: 228.061 ± 0.038 $\chi^2/\text{NDF}: 826343.8/24$

Right Out: 214.718 ± 0.048 $\chi^2/\text{NDF}: 1814318.4/25$

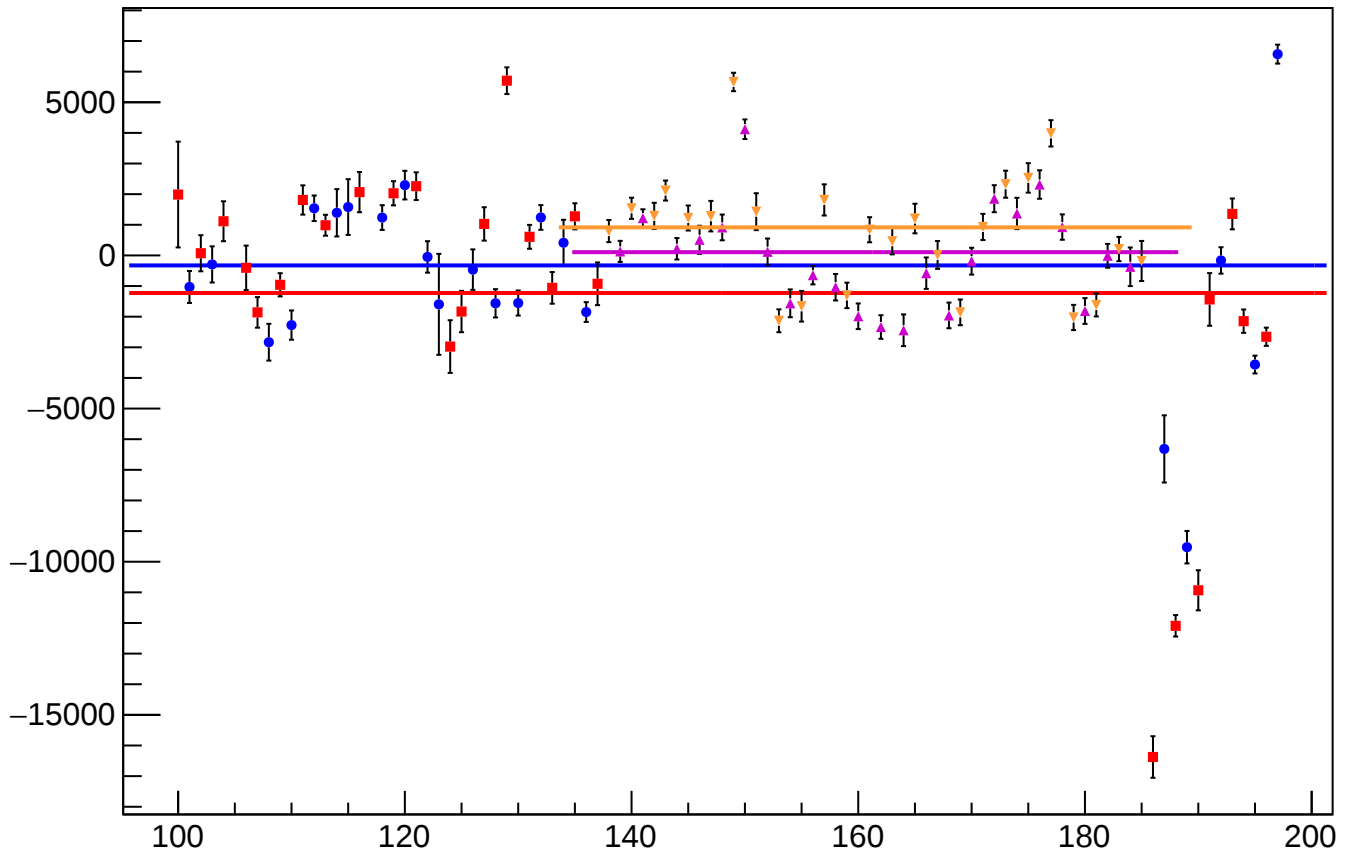
Left In: 214.627 ± 0.038 $\chi^2/\text{NDF}: 1025683.3/22$

+ sign 223.766 ± 0.031 $\chi^2/\text{NDF}: 2009682.3/46$

All: 219.042 ± 0.021 $\chi^2/\text{NDF}: 4895435.3/95$

- sign 214.662 ± 0.030 $\chi^2/\text{NDF}: 2840003.9/48$

asym_bpm0l02WS_mean vs Slug



Right In: -326.449 ± 100.115 $\chi^2/\text{NDF}: 1120.2/21$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: -1226.607 ± 94.795 $\chi^2/\text{NDF}: 2326.6/25$

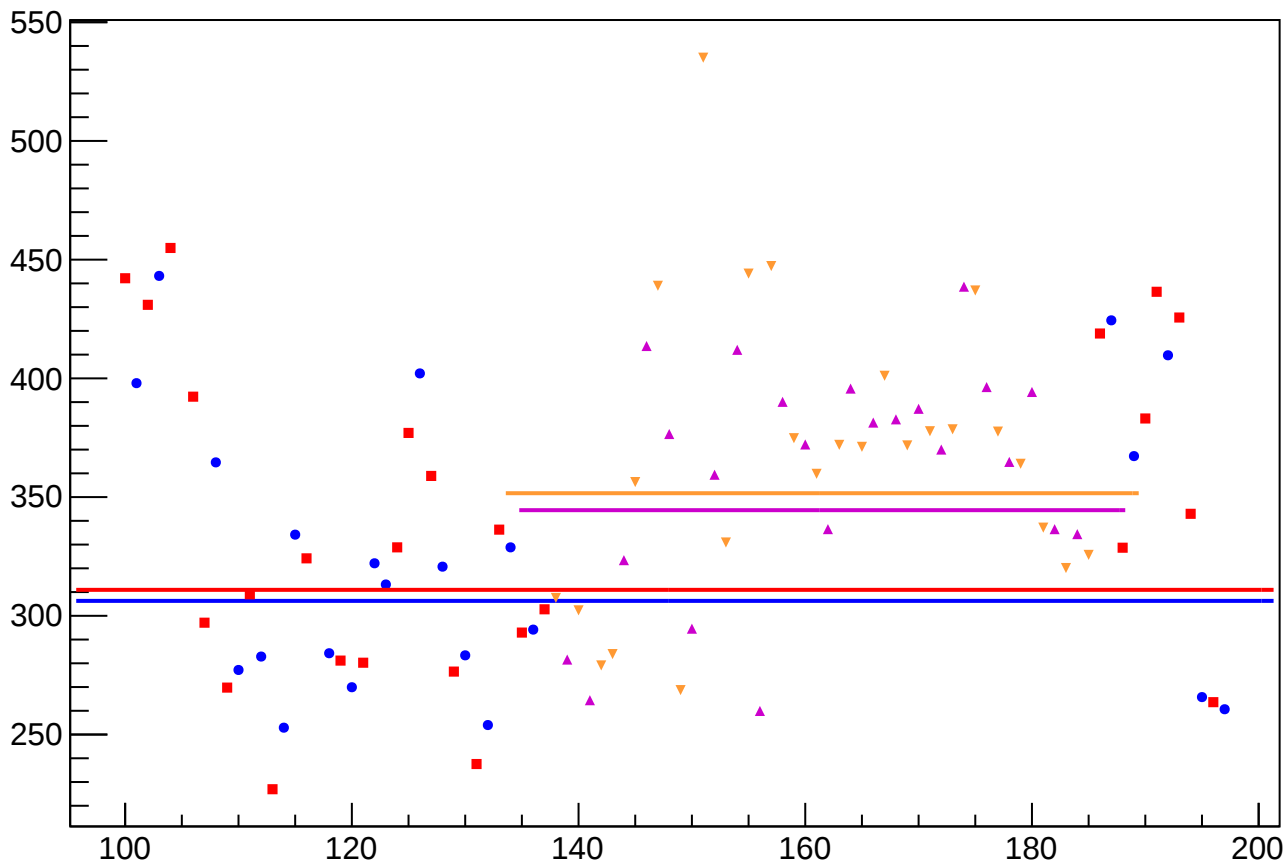
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 407.002 ± 64.078 $\chi^2/\text{NDF}: 1829.4/46$

All: -45.387 ± 44.936 $\chi^2/\text{NDF}: 4754.6/95$

- sign -483.140 ± 63.033 $\chi^2/\text{NDF}: 2827.1/48$

asym_bpm0l02WS_rms vs Slug



Right In: 306.289 $\pm$ 0.071 χ^2 /NDF: 569183.1/21

Left Out: 351.633 $\pm$ 0.059 χ^2 /NDF: 907849.3/24

Right Out: 310.937 $\pm$ 0.067 χ^2 /NDF: 803982.5/25

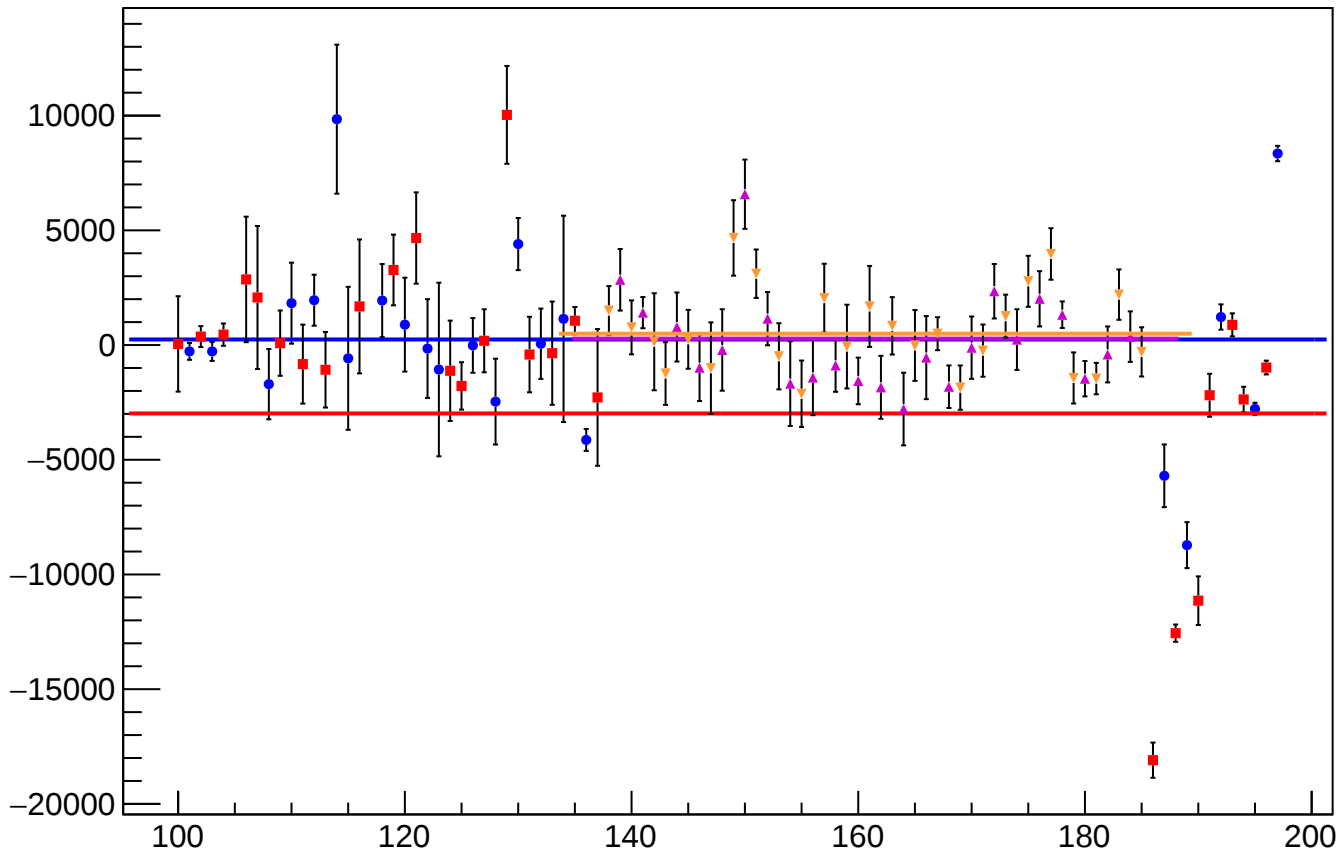
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 333.057 $\pm$ 0.045 χ^2 /NDF: 1719234.9/46

All: 331.328 $\pm$ 0.032 χ^2 /NDF: 3434756.9/95

- sign 329.655 $\pm$ 0.045 χ^2 /NDF: 1712656.5/48

asym_bpm0l03WS_mean vs Slug



Right In: 243.287 $\pm$ 141.172 χ^2 /NDF: 932.6/21

Left Out: 495.014 $\pm$ 231.058 χ^2 /NDF: 56.2/24

Right Out: -2981.190 $\pm$ 147.687 χ^2 /NDF: 1442.8/25

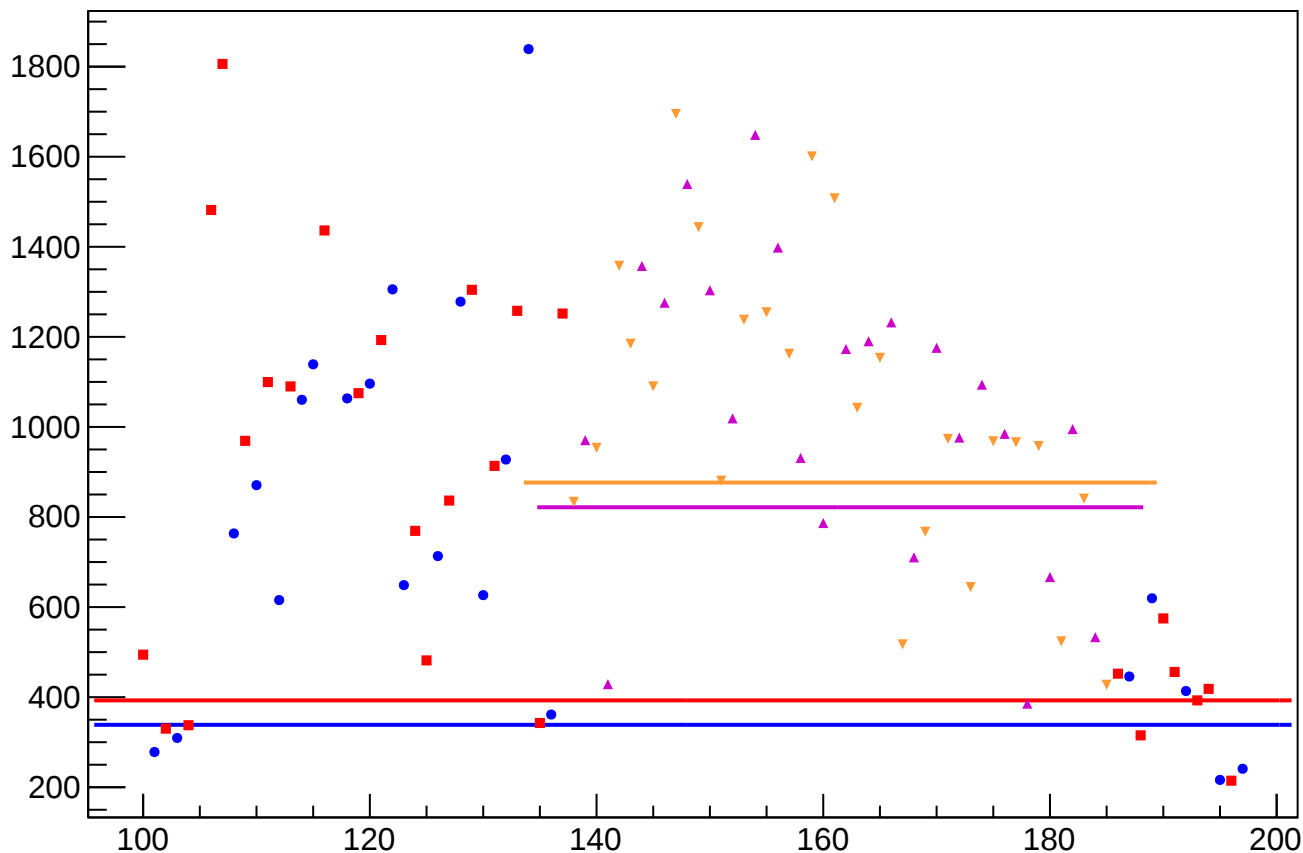
Left In: 280.692 $\pm$ 232.048 χ^2 /NDF: 57.2/22

+ sign 311.712 $\pm$ 120.466 χ^2 /NDF: 989.7/46

All: -824.945 $\pm$ 86.605 χ^2 /NDF: 2814.6/95

- sign -2040.813 $\pm$ 124.593 χ^2 /NDF: 1640.6/48

asym_bpm0l03WS_rms vs Slug



Right In: 338.620 ± 0.100 χ^2/NDF : 4003425.5/21

Left Out: 876.560 ± 0.163 χ^2/NDF : 3434698.7/24

Right Out: 392.877 ± 0.104 χ^2/NDF : 4983491.7/25

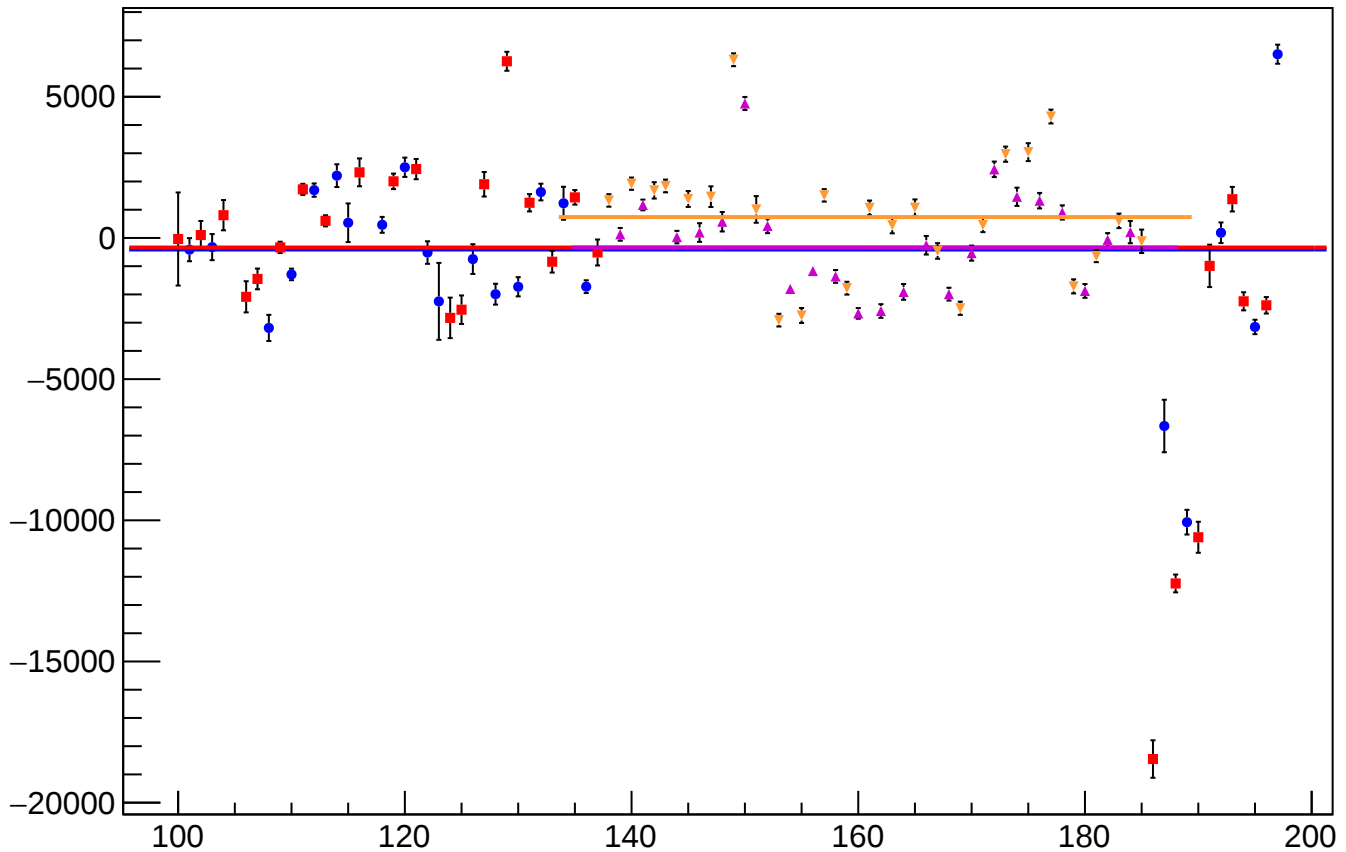
Left In: 821.657 ± 0.164 χ^2/NDF : 4443094.2/22

+ sign 484.845 ± 0.085 χ^2/NDF : 15332033.0/46

All: 500.135 ± 0.061 χ^2/NDF : 29685425.8/95

- sign 516.491 ± 0.088 χ^2/NDF : 14286705.2/48

asym_bpm0l04WS_mean vs Slug



Right In: -408.109 ± 73.565 χ^2/NDF : 1455.4/21

Left Out: 738.847 ± 51.649 χ^2/NDF : 1935.2/24

Right Out: -338.747 ± 67.203 χ^2/NDF : 3451.4/25

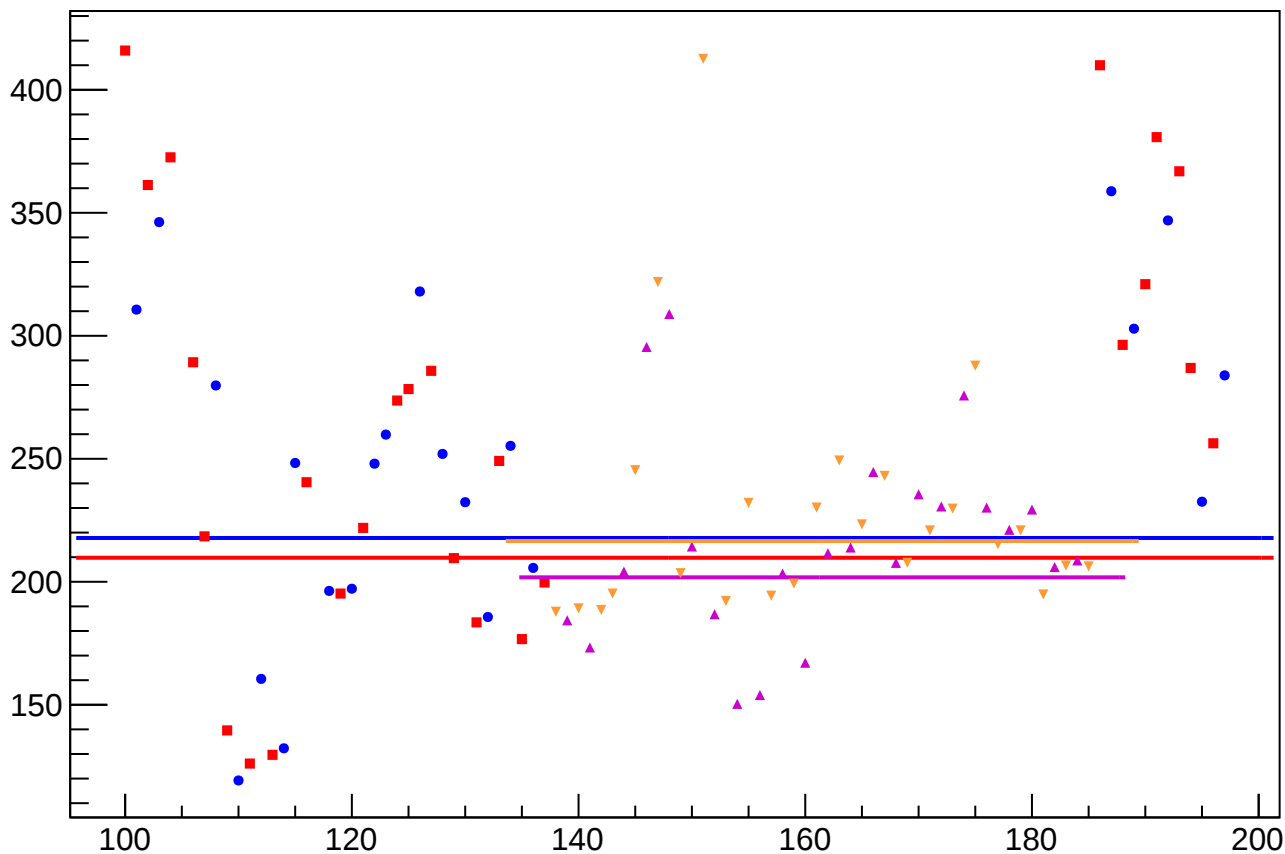
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 360.151 ± 42.271 χ^2/NDF : 3553.4/46

All: -8.635 ± 29.107 χ^2/NDF : 8404.4/95

- sign -341.139 ± 40.138 χ^2/NDF : 4706.3/48

asym_bpm0l04WS_rms vs Slug



Right In: 217.812 ± 0.052 χ^2/NDF : 1585026.6/21

Left Out: 216.574 ± 0.037 χ^2/NDF : 886214.1/24

Right Out: 209.770 ± 0.048 χ^2/NDF : 2525739.9/25

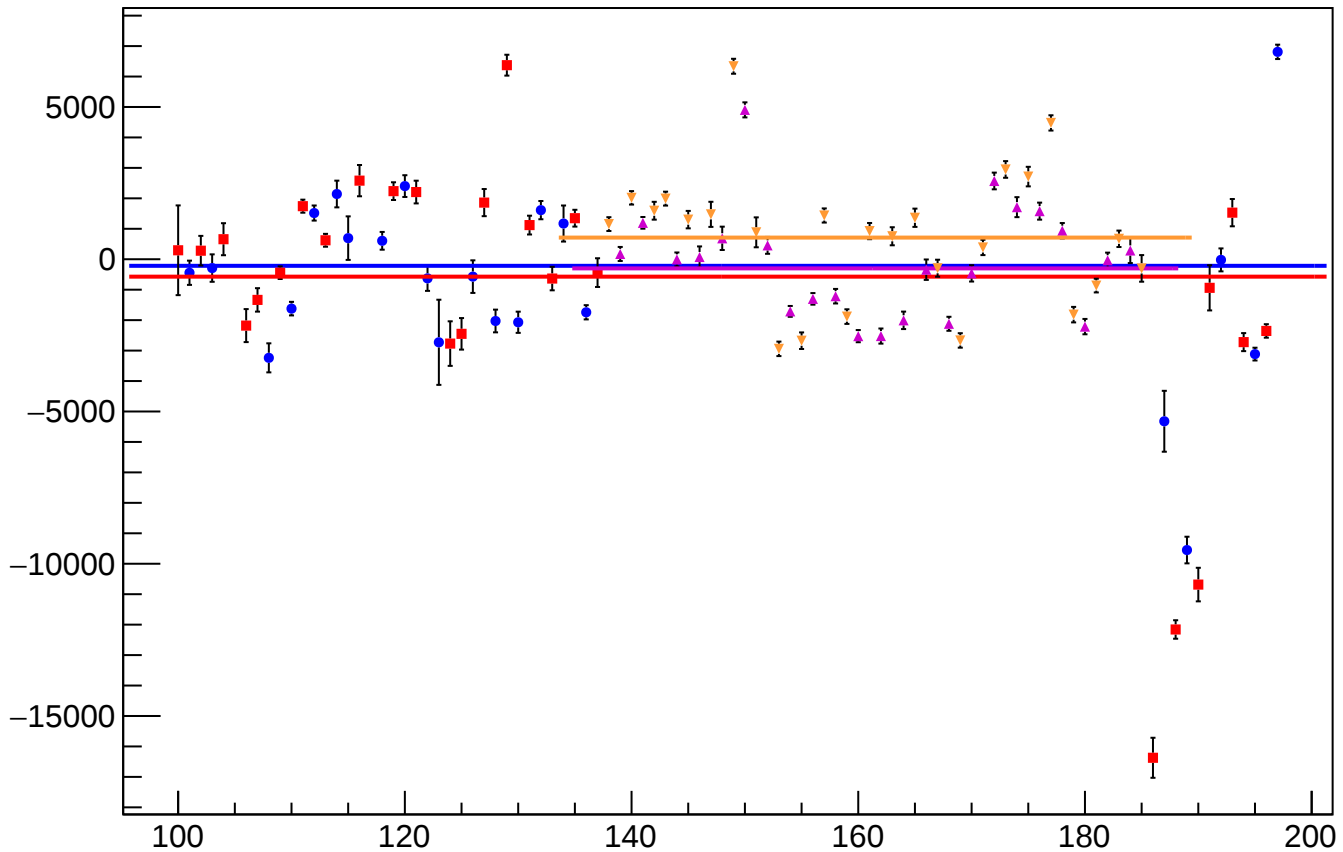
Left In: 201.805 ± 0.035 χ^2/NDF : 1087243.4/22

+ sign 216.983 ± 0.030 χ^2/NDF : 2471620.1/46

All: 210.496 ± 0.021 χ^2/NDF : 6192251.4/95

- sign 204.647 ± 0.028 χ^2/NDF : 3631055.9/48

asym_bpm0l05WS_mean vs Slug



Right In: -216.055 ± 72.489 χ^2/NDF : 1922.3/21

Left Out: 711.174 ± 53.245 χ^2/NDF : 1835.3/24

Right Out: -571.746 ± 67.765 χ^2/NDF : 3409.2/25

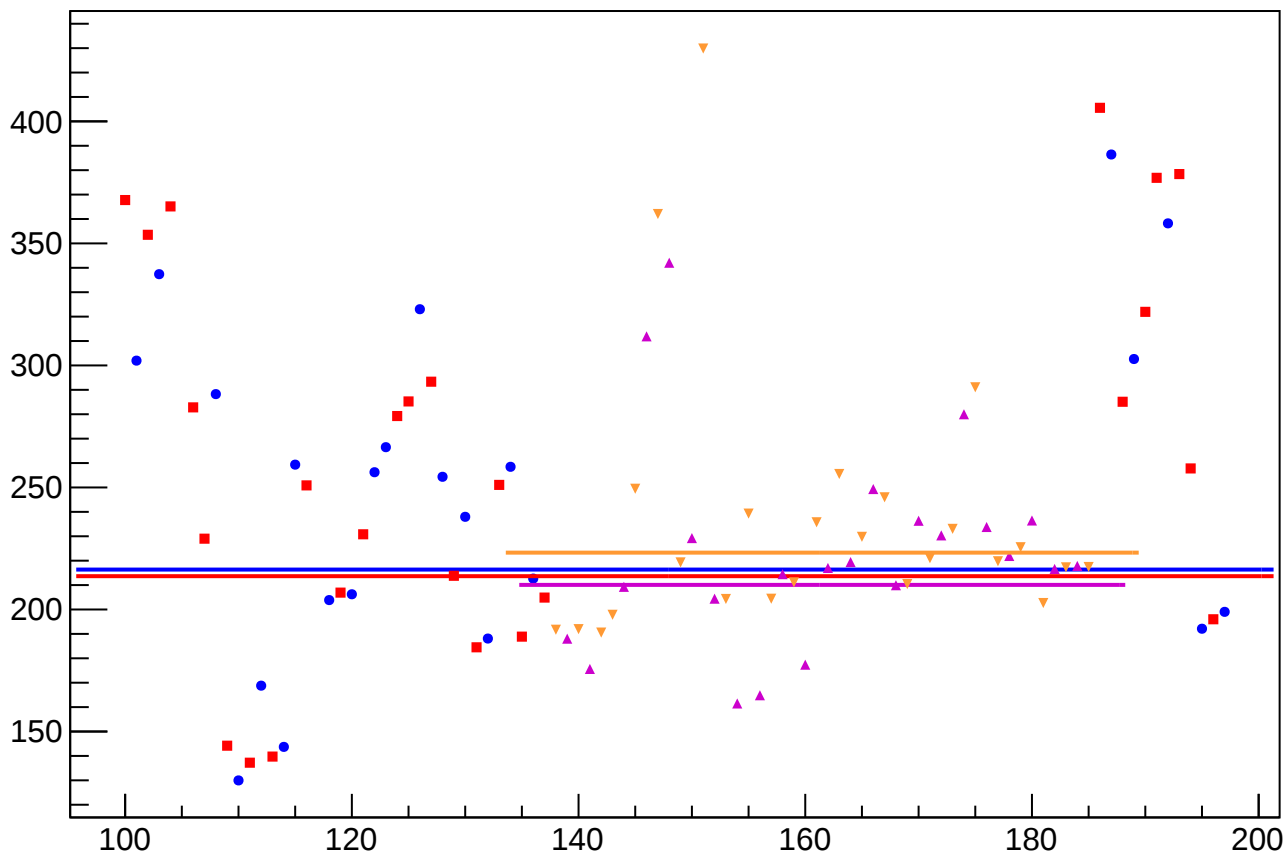
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 386.226 ± 42.913 χ^2/NDF : 3863.9/46

All: -22.970 ± 29.737 χ^2/NDF : 8666.7/95

- sign -400.997 ± 41.246 χ^2/NDF : 4627.9/48

asym_bpm0l05WS_rms vs Slug



Right In: 216.357 $\pm$ 0.051 χ^2 /NDF: 1338184.5/21

Left Out: 223.296 $\pm$ 0.038 χ^2 /NDF: 922768.4/24

Right Out: 213.650 $\pm$ 0.048 χ^2 /NDF: 2083400.5/25

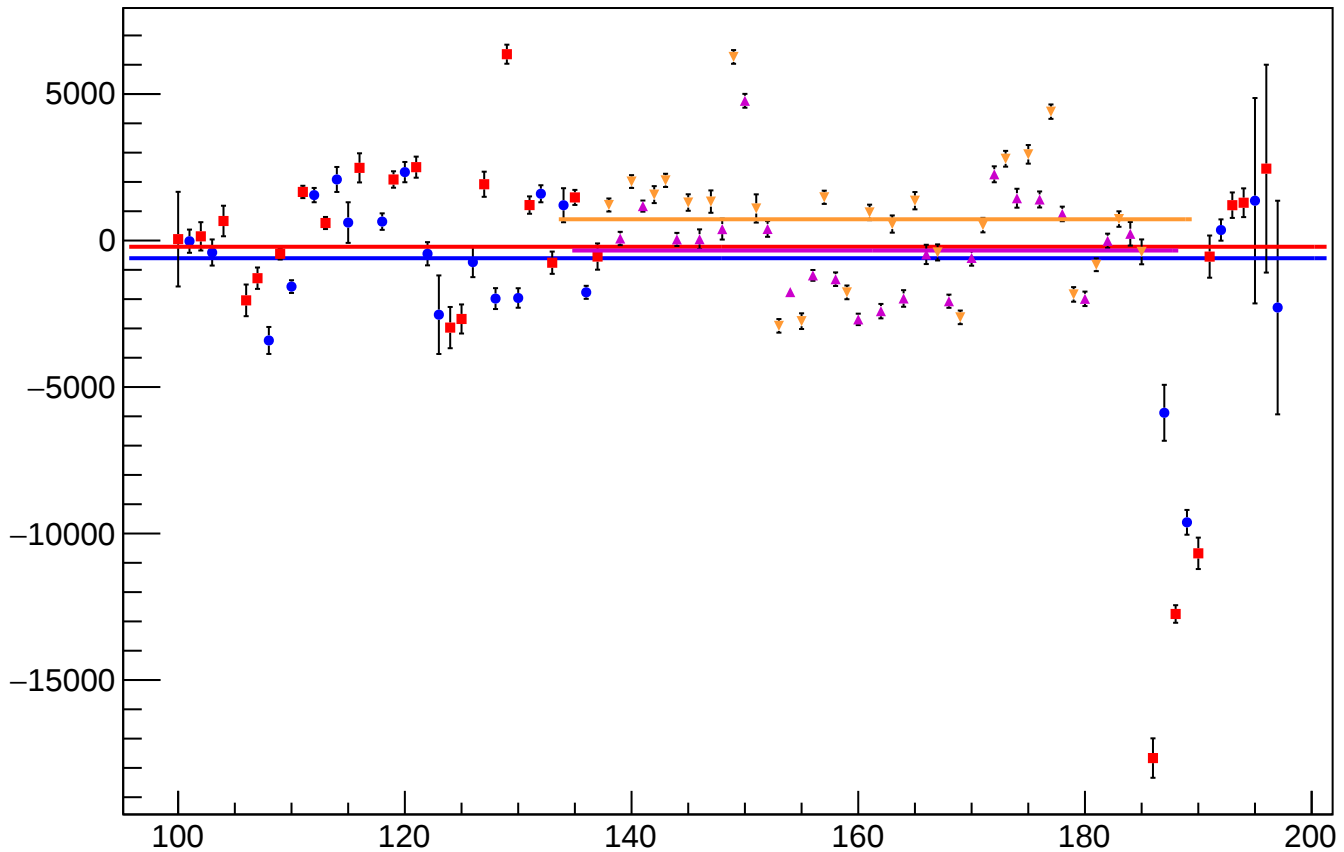
Left In: 210.080 $\pm$ 0.037 χ^2 /NDF: 1015274.5/22

+ sign 220.864 $\pm$ 0.030 χ^2 /NDF: 2272859.1/46

All: 215.946 $\pm$ 0.021 χ^2 /NDF: 5425569.6/95

- sign 211.403 $\pm$ 0.029 χ^2 /NDF: 3102169.8/48

asym_bpm0l06WS_mean vs Slug



Right In: -603.203 ± 79.160 $\chi^2/\text{NDF}: 892.1/21$

Left Out: 725.866 ± 52.158 $\chi^2/\text{NDF}: 1912.7/24$

Right Out: -212.440 ± 70.046 $\chi^2/\text{NDF}: 3632.2/25$

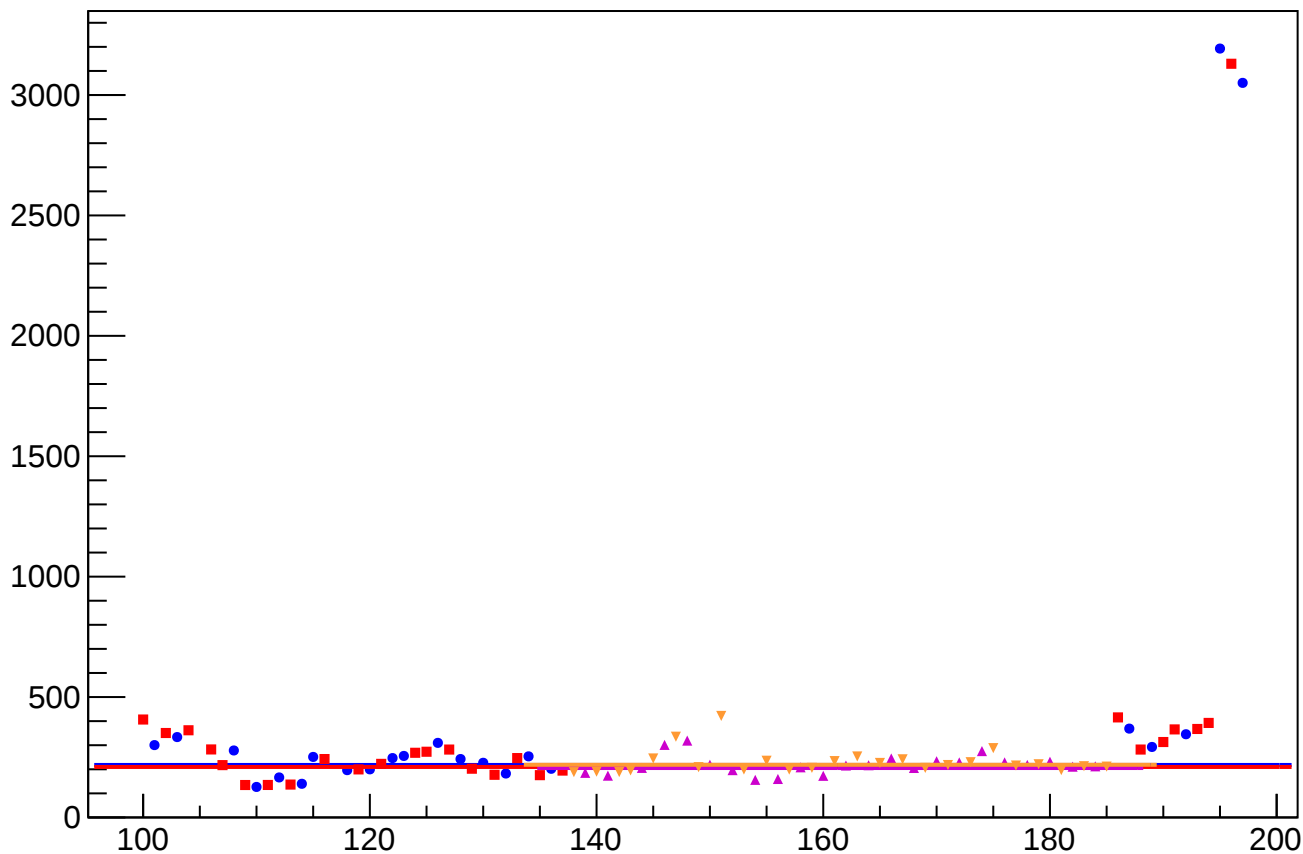
Left In: -340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

+ sign 323.531 ± 43.554 $\chi^2/\text{NDF}: 3001.4/46$

All: -4.182 ± 29.902 $\chi^2/\text{NDF}: 7944.7/95$

- sign -296.359 ± 41.125 $\chi^2/\text{NDF}: 4836.2/48$

asym_bpm0l06WS_rms vs Slug



Right In: 218.016 $\pm$ 0.056 χ^2 /NDF: 3928106.9/21

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 209.704 $\pm$ 0.050 χ^2 /NDF: 3774672.5/25

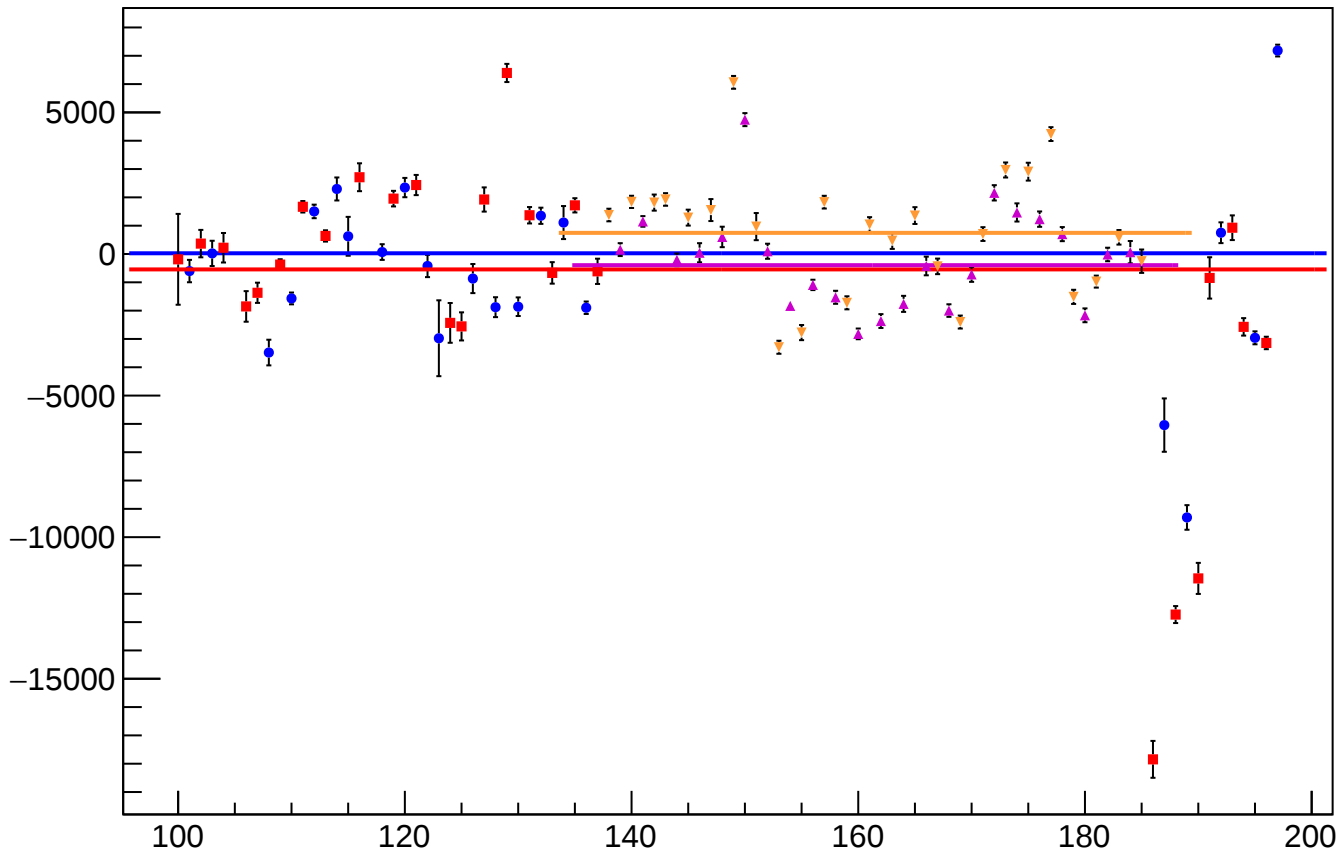
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 218.541 $\pm$ 0.031 χ^2 /NDF: 4825147.3/46

All: 212.326 $\pm$ 0.021 χ^2 /NDF: 9679324.1/95

- sign 206.785 $\pm$ 0.029 χ^2 /NDF: 4777142.9/48

asym_bpm0l07WS_mean vs Slug



Right In: 25.461 ± 69.582 χ^2/NDF : 2271.7/21

Left Out: 746.405 ± 51.592 χ^2/NDF : 1942.1/24

Right Out: -544.531 ± 64.763 χ^2/NDF : 3964.6/25

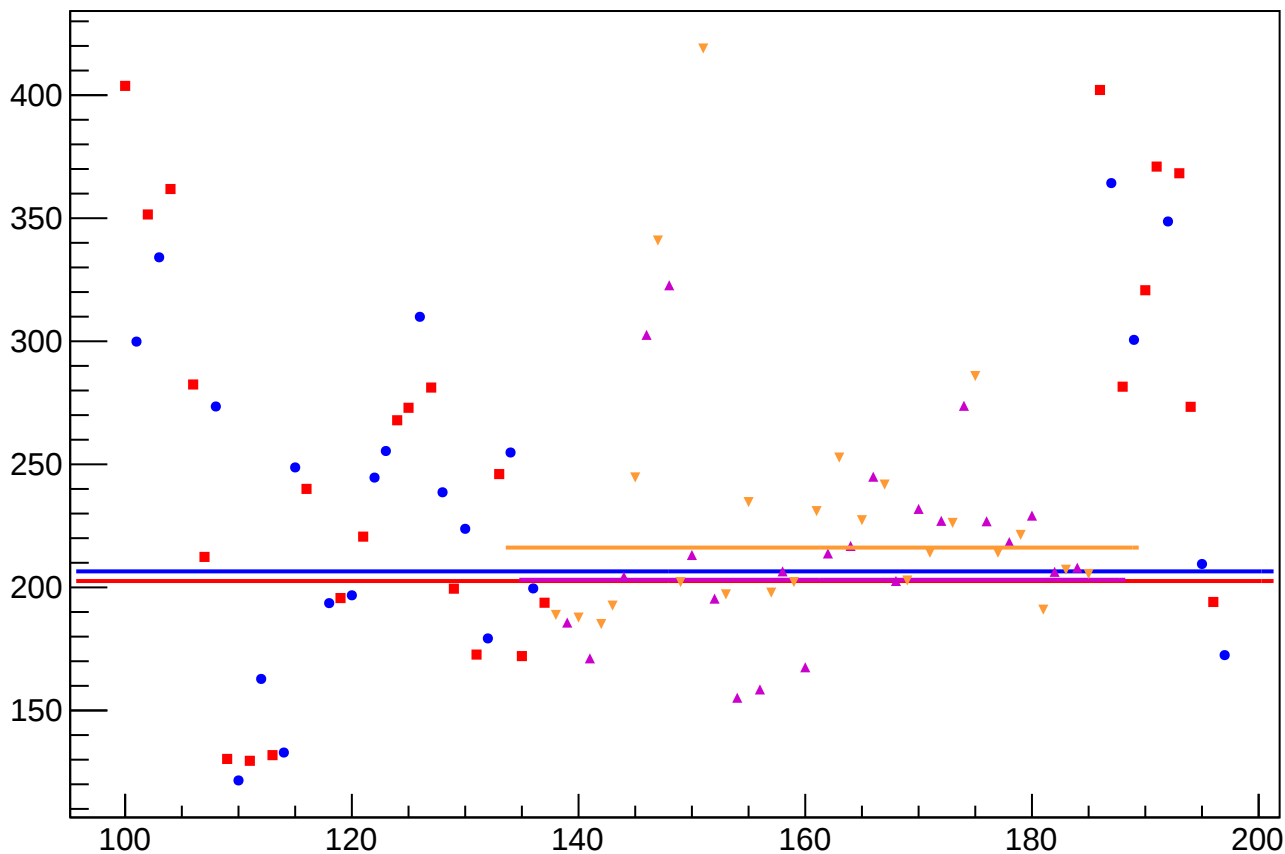
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 490.661 ± 41.443 χ^2/NDF : 4283.0/46

All: 0.041 ± 28.680 χ^2/NDF : 9756.3/95

- sign -450.890 ± 39.731 χ^2/NDF : 5204.3/48

asym_bpm0l07WS_rms vs Slug



Right In: 206.513+/-0.049 χ^2/NDF : 1458283.0/21

Left Out: 216.178+/-0.036 χ^2/NDF : 946050.8/24

Right Out: 202.587+/-0.046 χ^2/NDF : 2401908.0/25

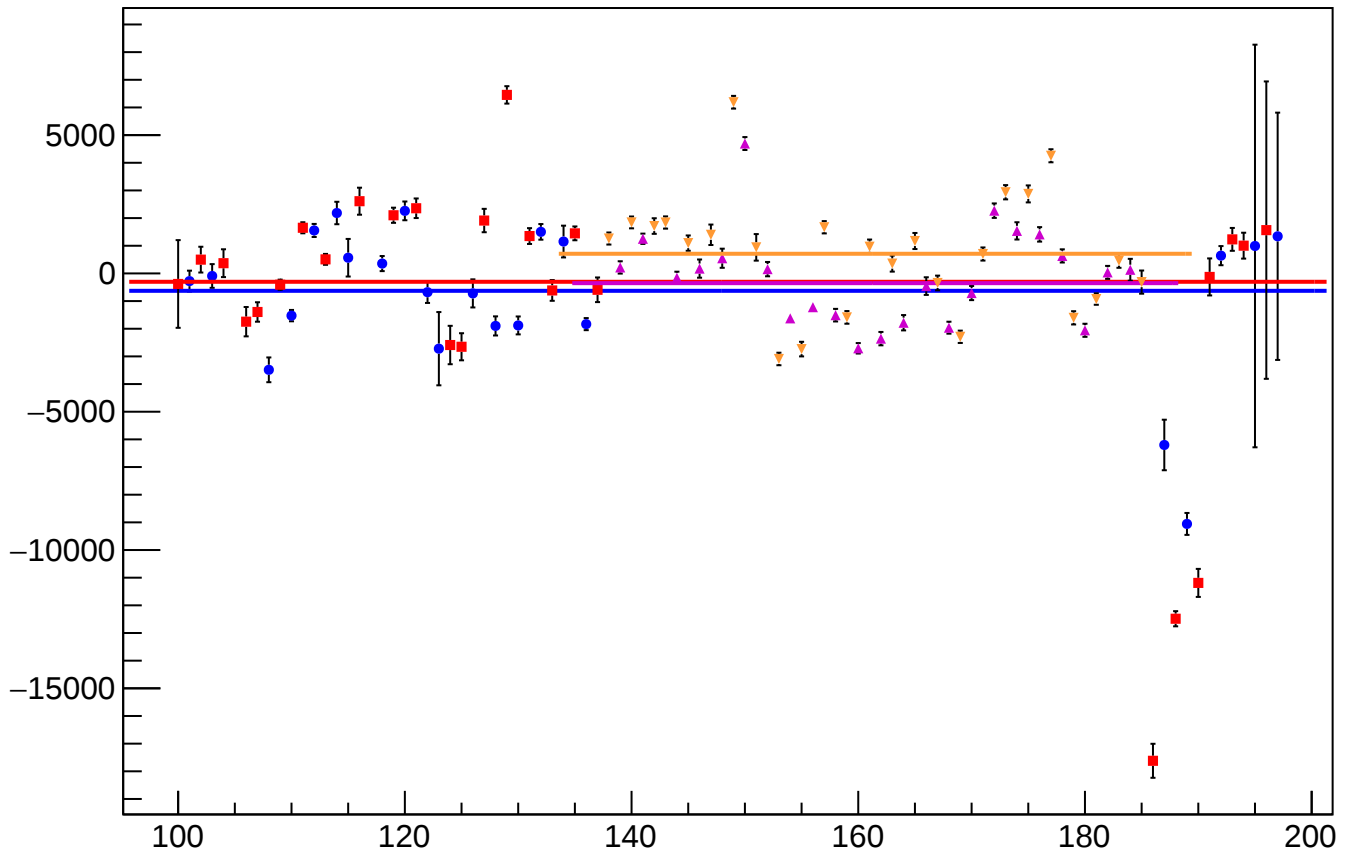
Left In: 203.101+/-0.036 χ^2/NDF : 1038013.0/22

+ sign 212.749+/-0.029 χ^2/NDF : 2429232.0/46

All: 207.621+/-0.020 χ^2/NDF : 5928005.3/95

- sign 202.908+/-0.028 χ^2/NDF : 3439999.3/48

asym_bpm0l08WS_mean vs Slug



Right In: -629.141 ± 76.504 χ^2/NDF : 914.9/21

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -302.470 ± 67.168 χ^2/NDF : 4161.3/25

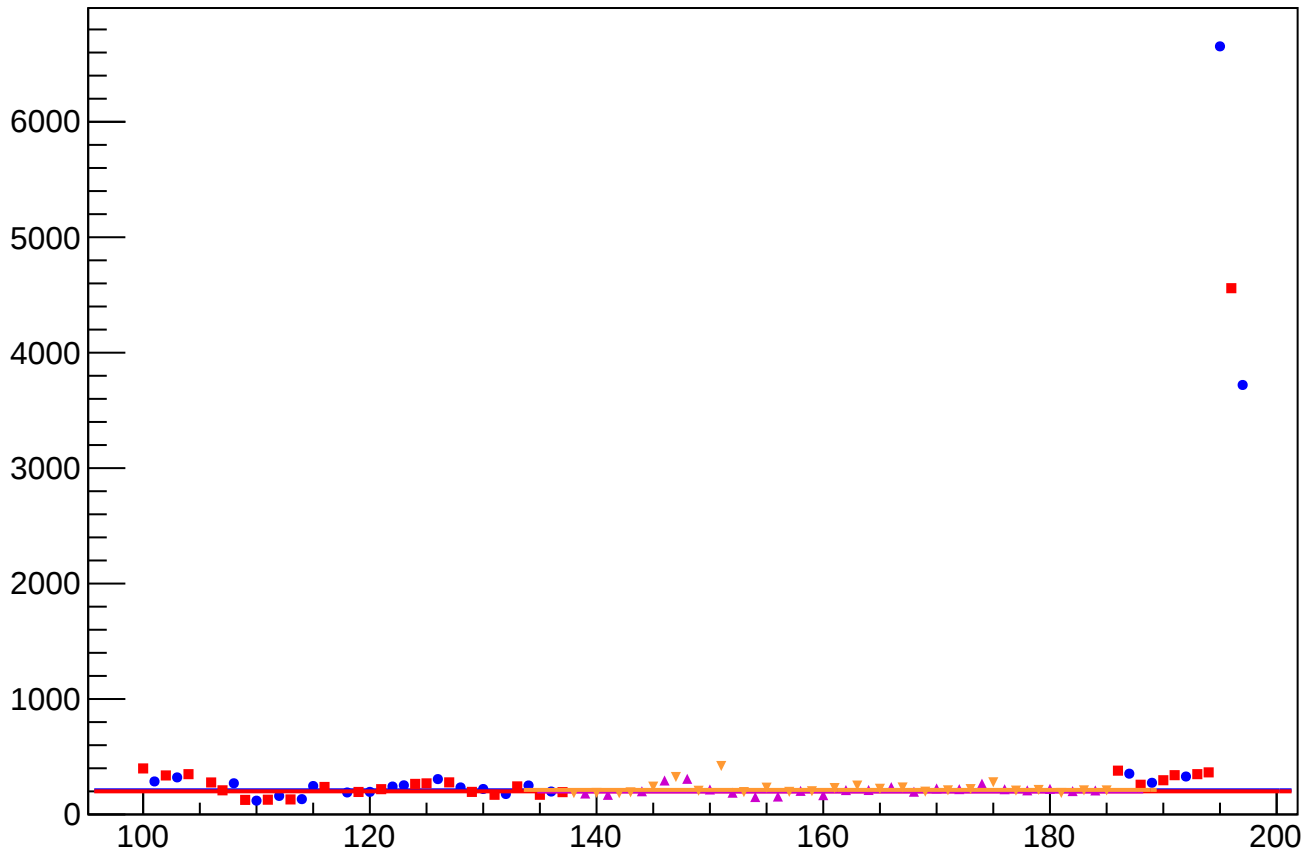
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 300.947 ± 42.291 χ^2/NDF : 3060.0/46

All: -36.656 ± 28.965 χ^2/NDF : 8574.8/95

- sign -334.932 ± 39.752 χ^2/NDF : 5394.7/48

asym_bpm0l08WS_rms vs Slug



Right In: 209.332 $\pm$ 0.054 χ^2 /NDF: 4099122.8/21

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 200.164 $\pm$ 0.047 χ^2 /NDF: 3723880.0/25

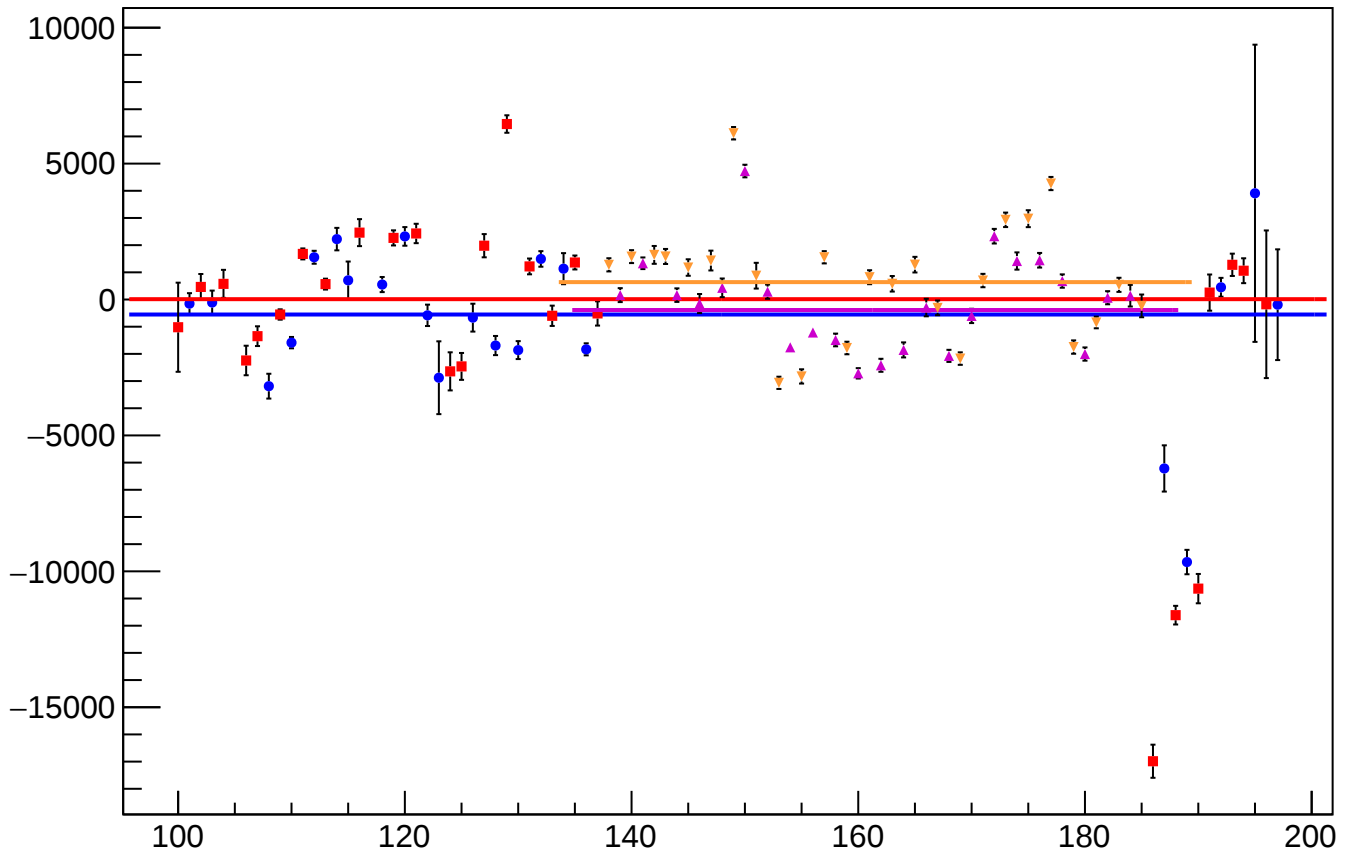
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 211.684 $\pm$ 0.030 χ^2 /NDF: 5018069.8/46

All: 205.215 $\pm$ 0.020 χ^2 /NDF: 9816311.3/95

- sign 199.500 $\pm$ 0.028 χ^2 /NDF: 4710113.2/48

asym_bpm0l09WS_mean vs Slug



Right In: -551.934 ± 77.809 $\chi^2/\text{NDF}: 859.7/21$

Left Out: 639.995 ± 52.708 $\chi^2/\text{NDF}: 1859.2/24$

Right Out: 12.567 ± 69.085 $\chi^2/\text{NDF}: 3095.9/25$

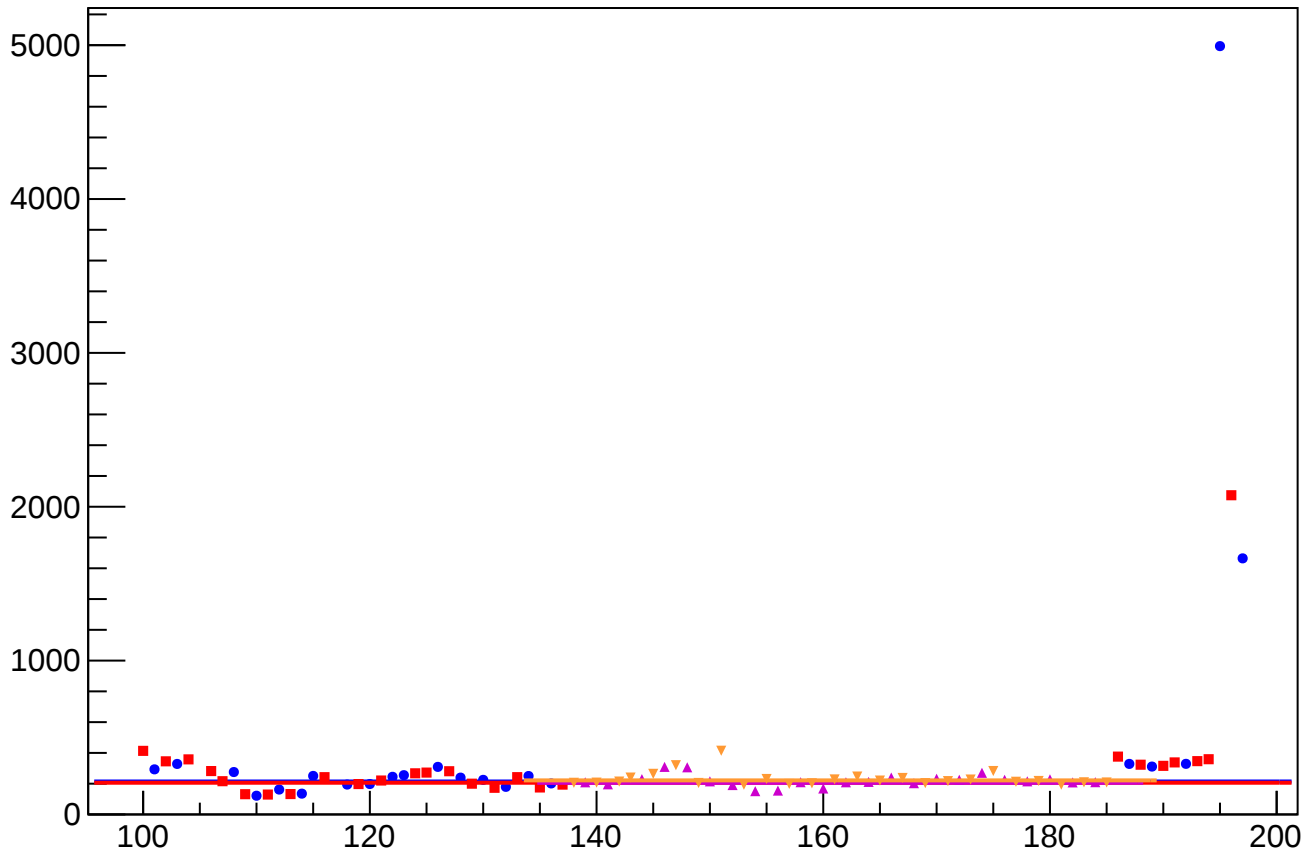
Left In: -386.248 ± 50.994 $\chi^2/\text{NDF}: 1238.0/22$

+ sign 265.084 ± 43.639 $\chi^2/\text{NDF}: 2879.8/46$

All: -5.989 ± 29.891 $\chi^2/\text{NDF}: 7308.0/95$

- sign -245.593 ± 41.027 $\chi^2/\text{NDF}: 4355.5/48$

asym_bpm0l09WS_rms vs Slug



Right In: 214.277 $\pm$ 0.055 χ^2 /NDF: 3866461.3/21

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 206.207 $\pm$ 0.049 χ^2 /NDF: 3439467.7/25

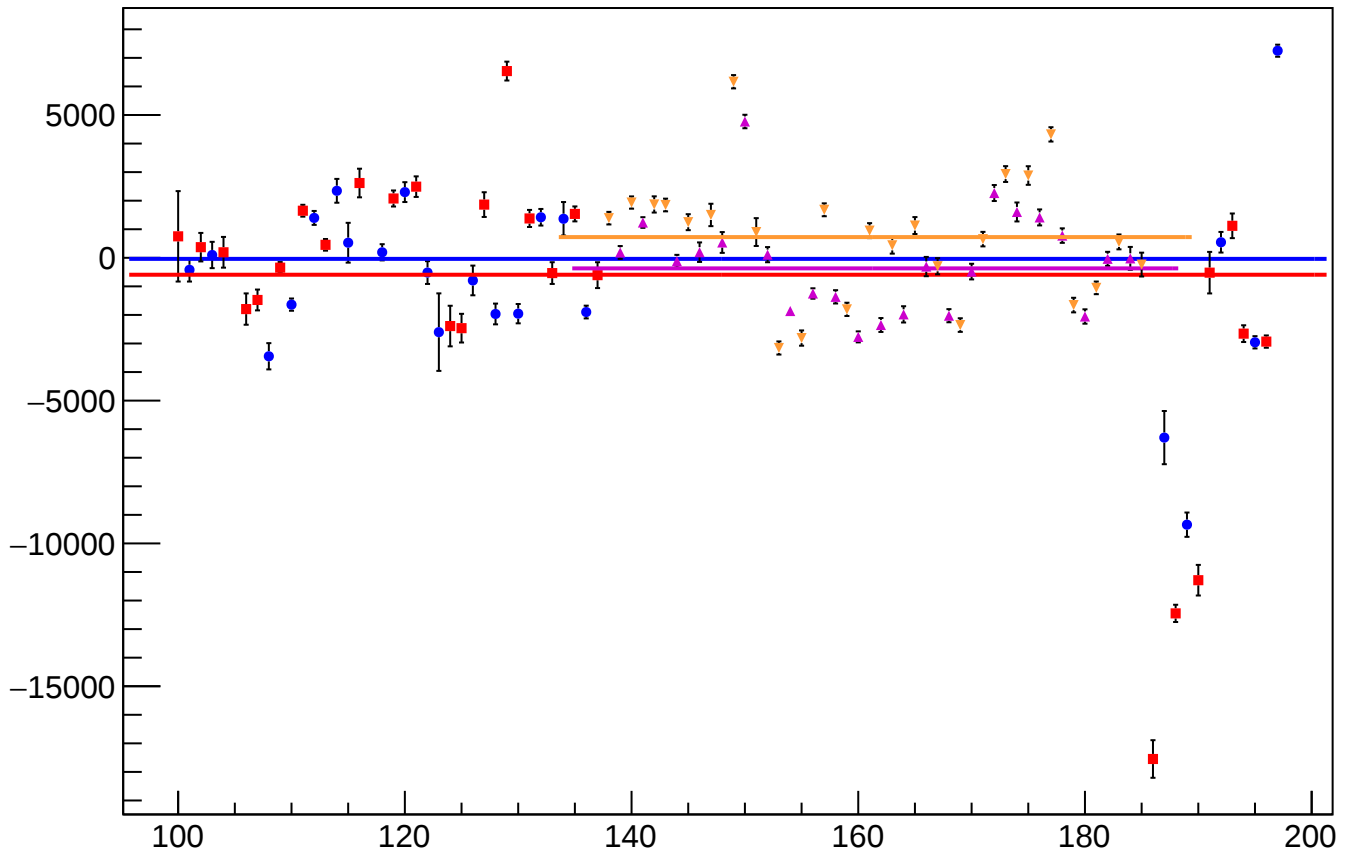
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 219.158 $\pm$ 0.031 χ^2 /NDF: 4655778.8/46

All: 212.145 $\pm$ 0.021 χ^2 /NDF: 9187509.7/95

- sign 205.946 $\pm$ 0.029 χ^2 /NDF: 4434415.5/48

asym_bpm0l10WS_mean vs Slug



Right In: -37.198 ± 70.303 χ^2/NDF : 2291.3/21

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: -592.664 ± 65.702 χ^2/NDF : 3781.4/25

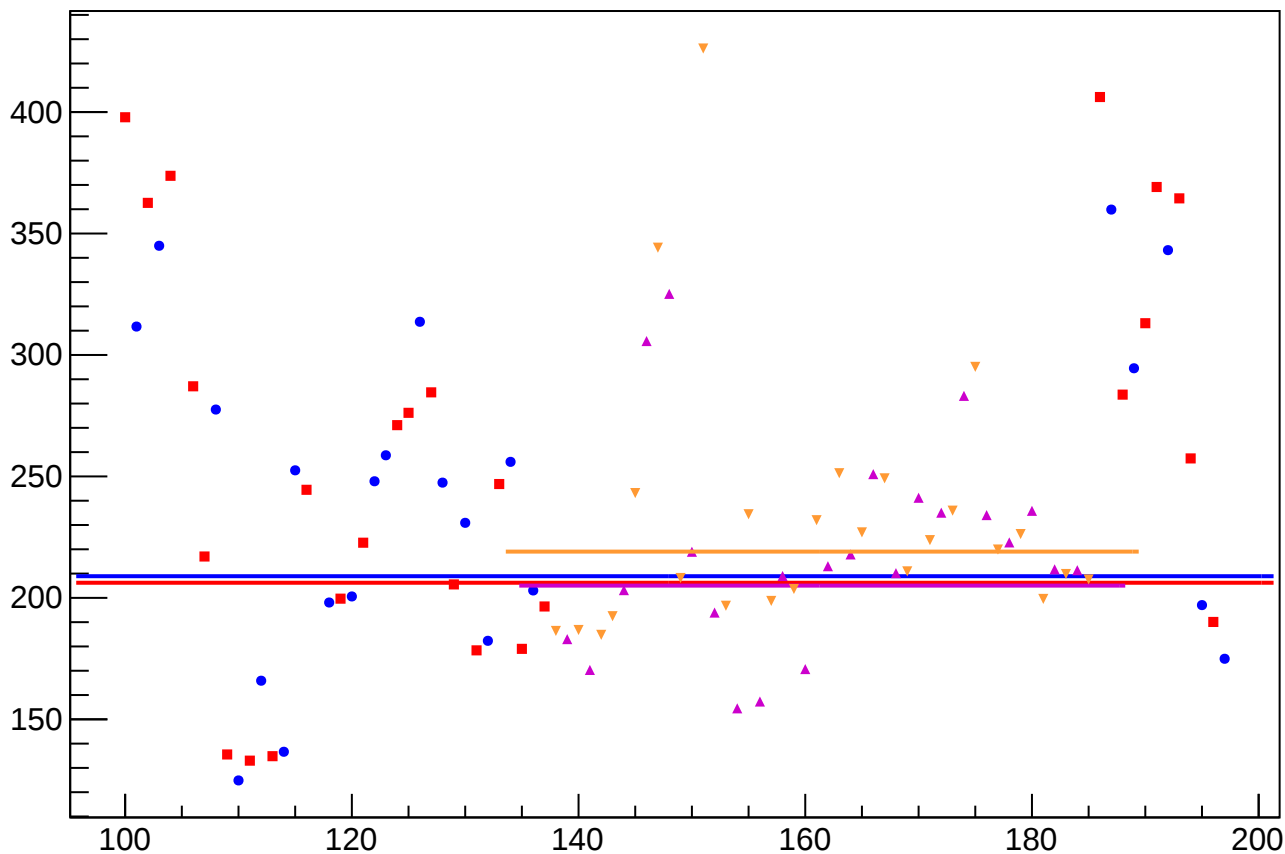
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 453.571 ± 41.966 χ^2/NDF : 4250.2/46

All: -19.234 ± 29.041 χ^2/NDF : 9505.5/95

- sign -453.738 ± 40.230 χ^2/NDF : 5011.7/48

asym_bpm0l10WS_rms vs Slug



Right In: 208.920 $\pm$ 0.050 χ^2 /NDF: 1418657.3/21

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF:975564.4/24

Right Out: 206.228 $\pm$ 0.046 χ^2 /NDF: 2257557.1/25

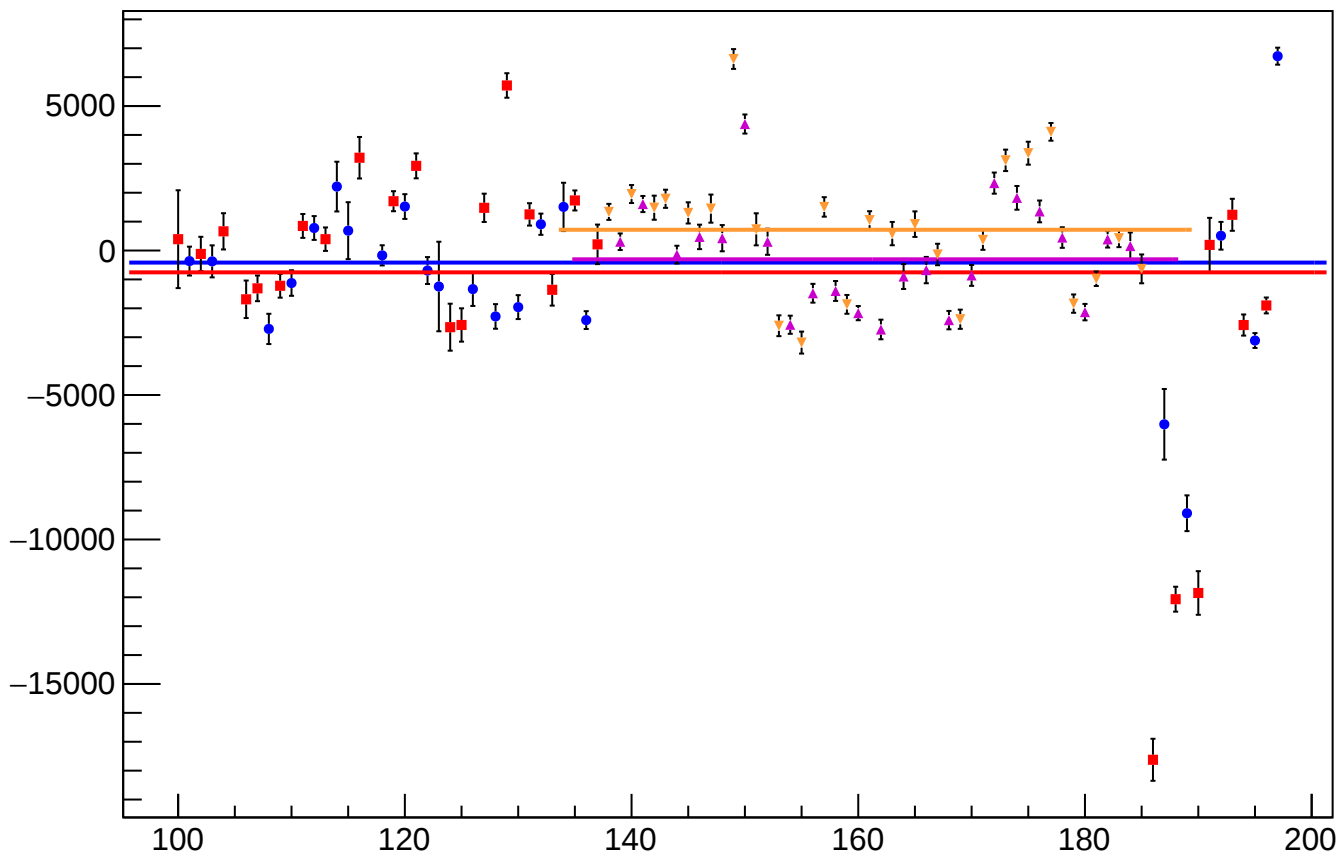
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF:1144197.1/22

+ sign 215.440 $\pm$ 0.030 χ^2 /NDF: 2420941.3/46

All: 210.255 $\pm$ 0.021 χ^2 /NDF: 5881689.6/95

- sign 205.489 $\pm$ 0.028 χ^2 /NDF: 3402158.6/48

asym_bpm0r03WS_mean vs Slug



Right In: -417.331+/-94.917 χ^2/NDF : 1078.3/21

Left Out: 718.705+/-69.601 χ^2/NDF :1018.5/24

Right Out: -755.748+/-93.017 χ^2/NDF : 2038.5/25

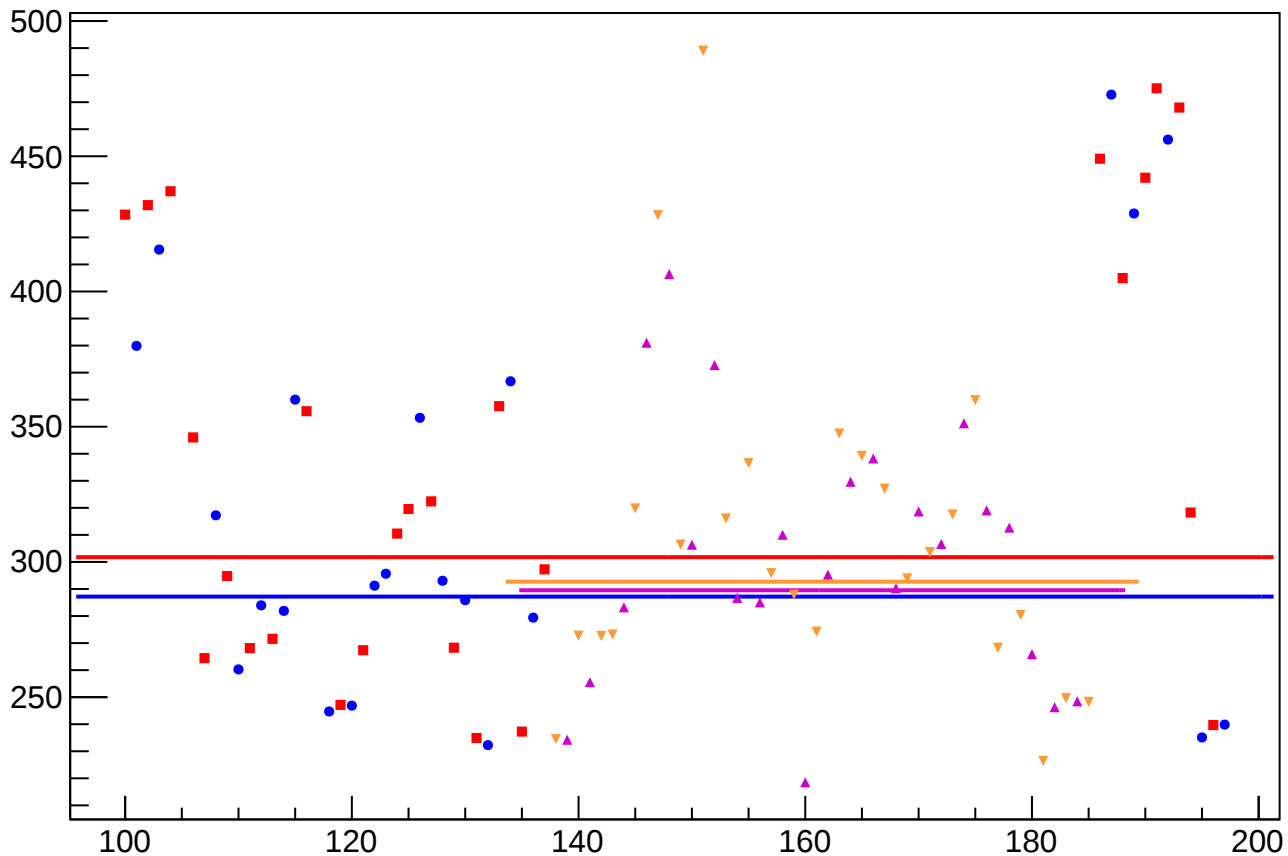
Left In: -304.161+/-70.958 χ^2/NDF :643.5/22

+ sign 321.458+/-56.128 χ^2/NDF : 2190.0/46

All: -72.382+/-39.790 χ^2/NDF : 4985.9/95

- sign -470.283+/-56.416 χ^2/NDF : 2696.9/48

asym_bpm0r03WS_rms vs Slug



Right In: 287.183+/-0.067 χ^2/NDF : 871751.7/21

Left Out: 292.686+/-0.049 χ^2/NDF : 925193.6/24

Right Out: 301.765+/-0.066 χ^2/NDF : 1111892.8/25

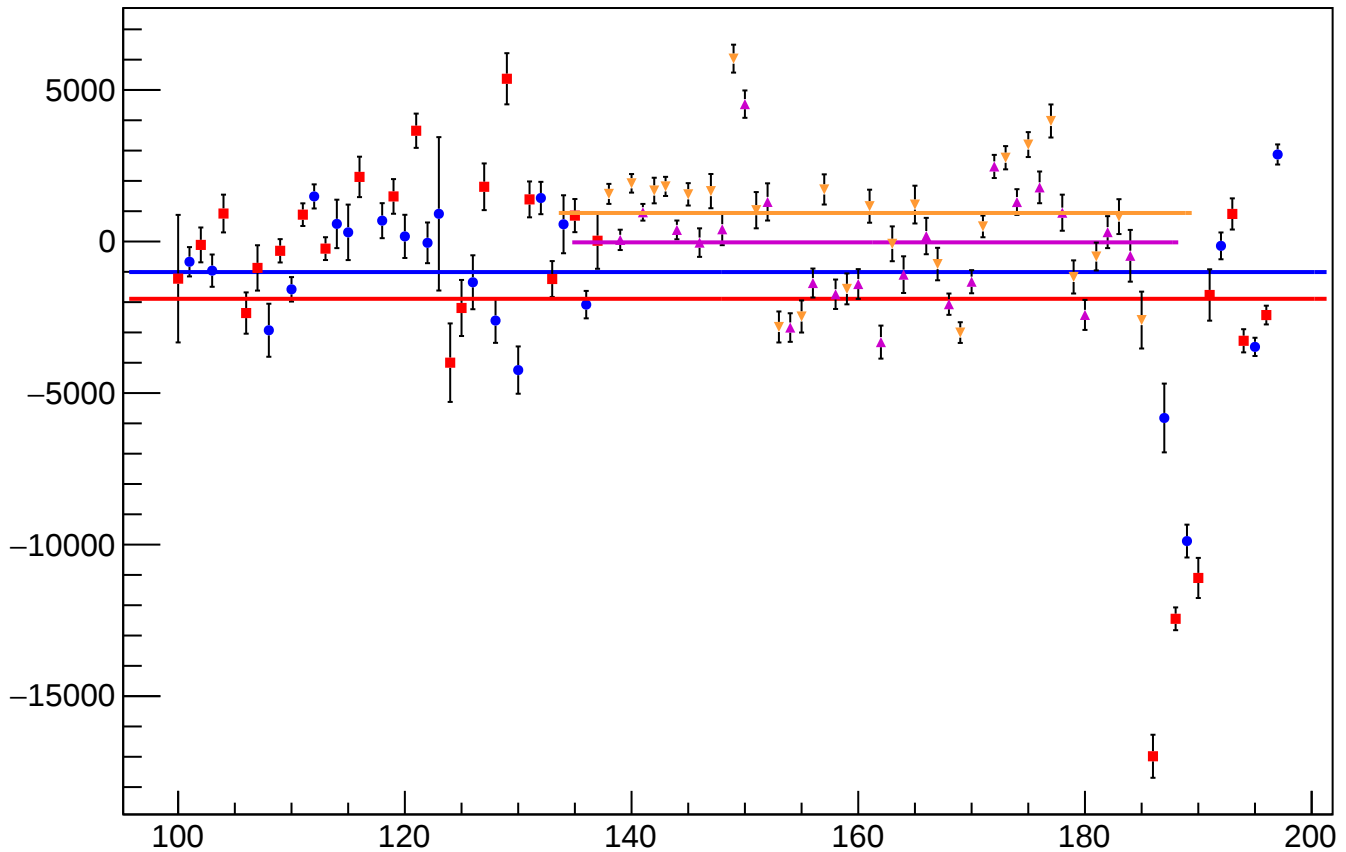
Left In: 289.522+/-0.050 χ^2/NDF : 777901.0/22

+ sign 290.762+/-0.040 χ^2/NDF : 1801317.2/46

All: 292.385+/-0.028 χ^2/NDF : 3716379.8/95

- sign 294.026+/-0.040 χ^2/NDF : 1911698.2/48

asym_bpm0r05WS_mean vs Slug



Right In: -1007.785 ± 115.205 χ^2/NDF : 612.1/21

Left Out: 941.598 ± 89.119 χ^2/NDF : 544.6/24

Right Out: -1890.221 ± 106.561 χ^2/NDF : 1932.9/25

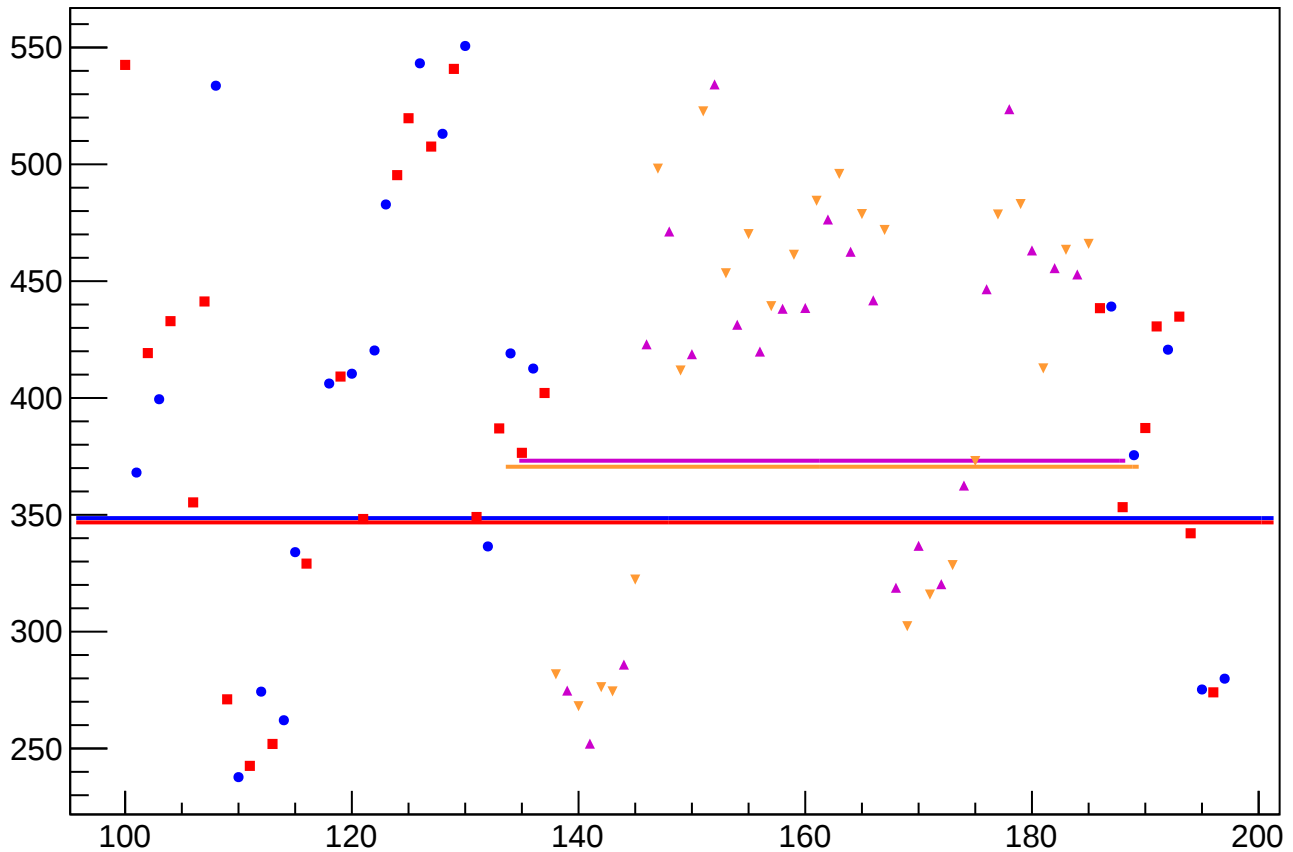
Left In: -27.763 ± 92.331 χ^2/NDF : 362.5/22

+ sign 211.791 ± 70.490 χ^2/NDF : 1335.8/46

All: -312.563 ± 49.591 χ^2/NDF : 3915.3/95

- sign -826.420 ± 69.781 χ^2/NDF : 2469.9/48

asym_bpm0r05WS_rms vs Slug



Right In: 348.595 $\pm$ 0.081 χ^2 /NDF: 1076480.6/21

Left Out: 370.580 $\pm$ 0.063 χ^2 /NDF: 1878118.9/24

Right Out: 346.752 $\pm$ 0.075 χ^2 /NDF: 1046791.6/25

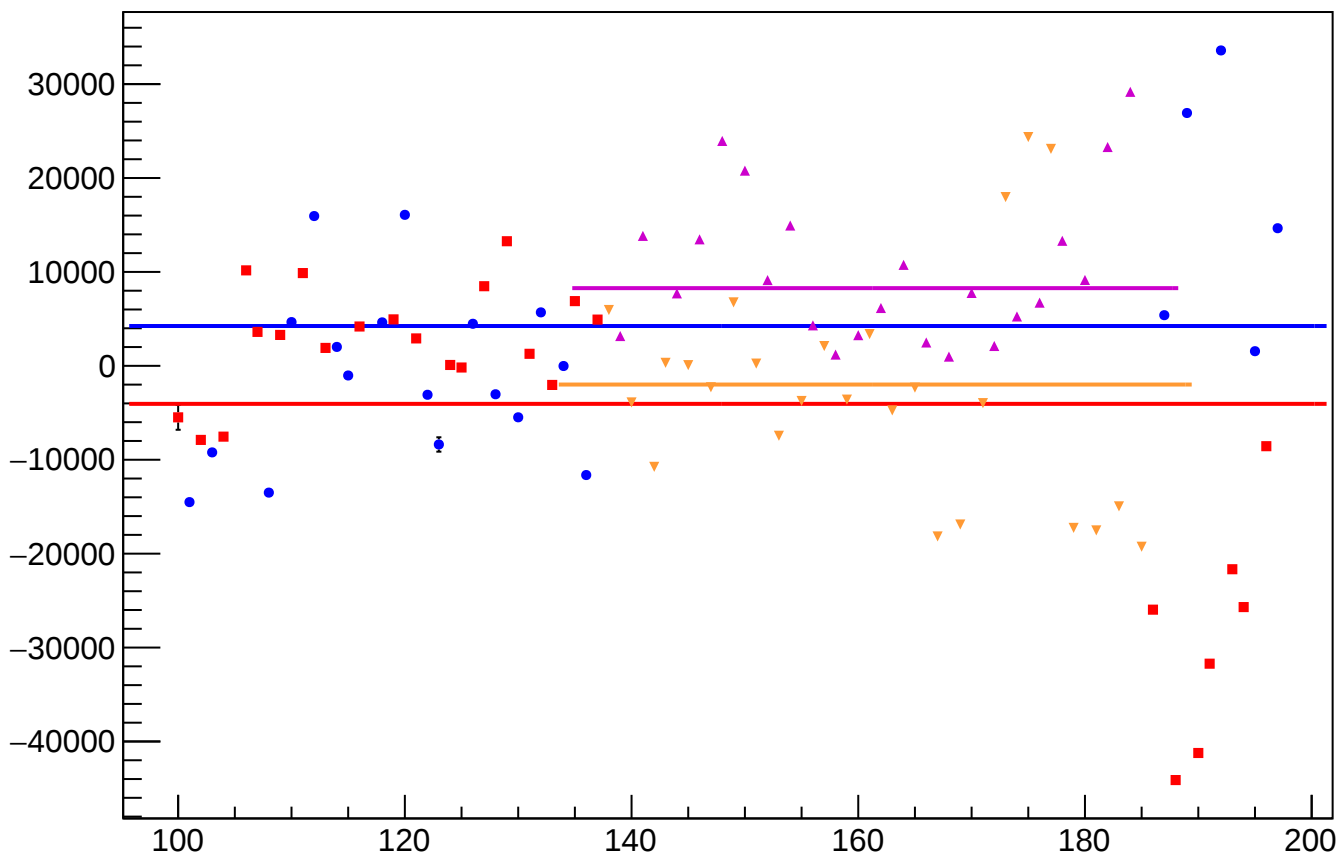
Left In: 373.161 $\pm$ 0.065 χ^2 /NDF: 1636244.2/22

+ sign 362.349 $\pm$ 0.050 χ^2 /NDF: 3000166.7/46

All: 362.090 $\pm$ 0.035 χ^2 /NDF: 5753415.8/95

- sign 361.836 $\pm$ 0.049 χ^2 /NDF: 2753195.6/48

asym_bpm0i02WS_mean vs Slug



Right In: 4240.789+/-48.060 χ^2/NDF : 70934.3/21

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -4049.137+/-44.802 χ^2/NDF : 126987.7/25

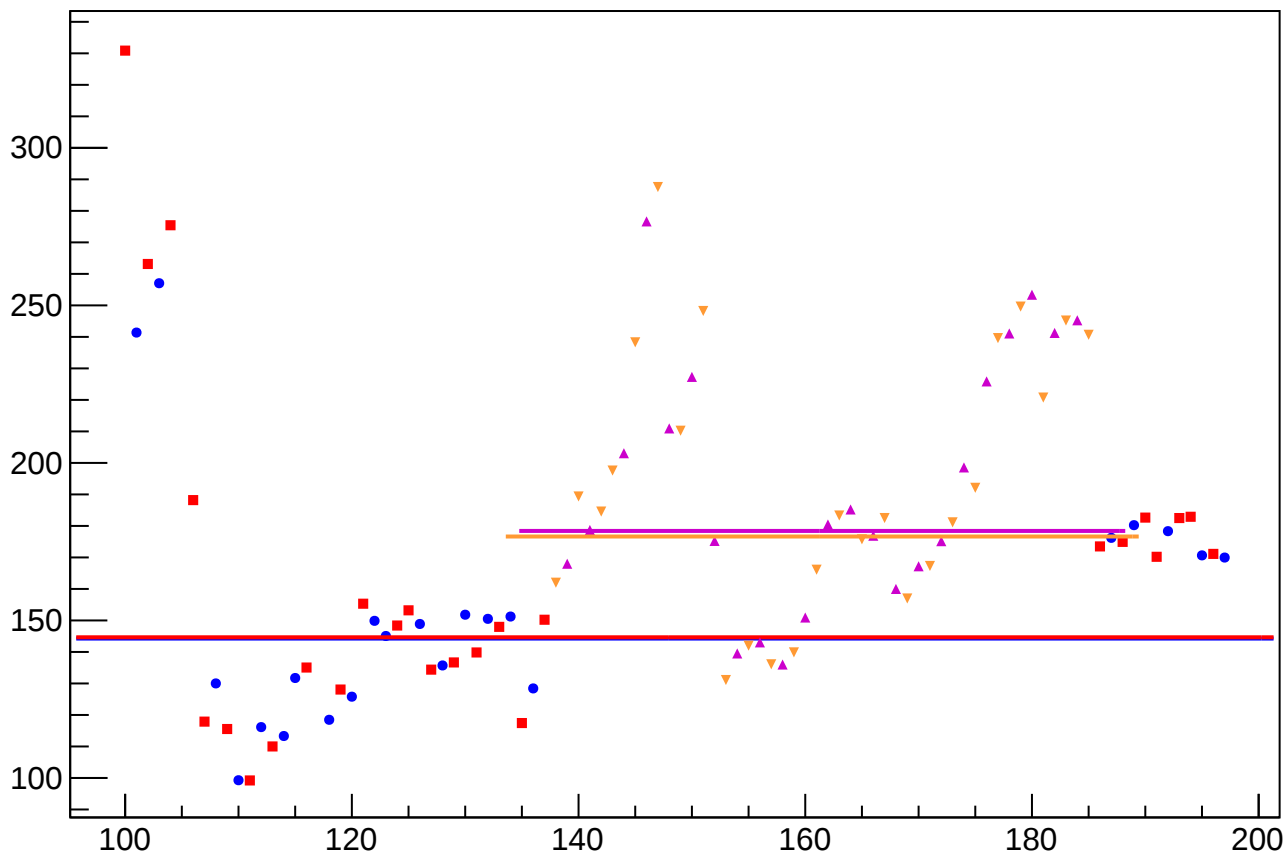
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 737.960+/-31.806 χ^2/NDF : 144152.6/46

All: 1466.607+/-22.382 χ^2/NDF : 333298.7/95

- sign 2181.343+/-31.501 χ^2/NDF : 188106.5/48

asym_bpm0i02WS_rms vs Slug



Right In: 144.251+/-0.034 χ^2/NDF : 899396.0/21

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 144.652+/-0.032 χ^2/NDF : 1221837.7/25

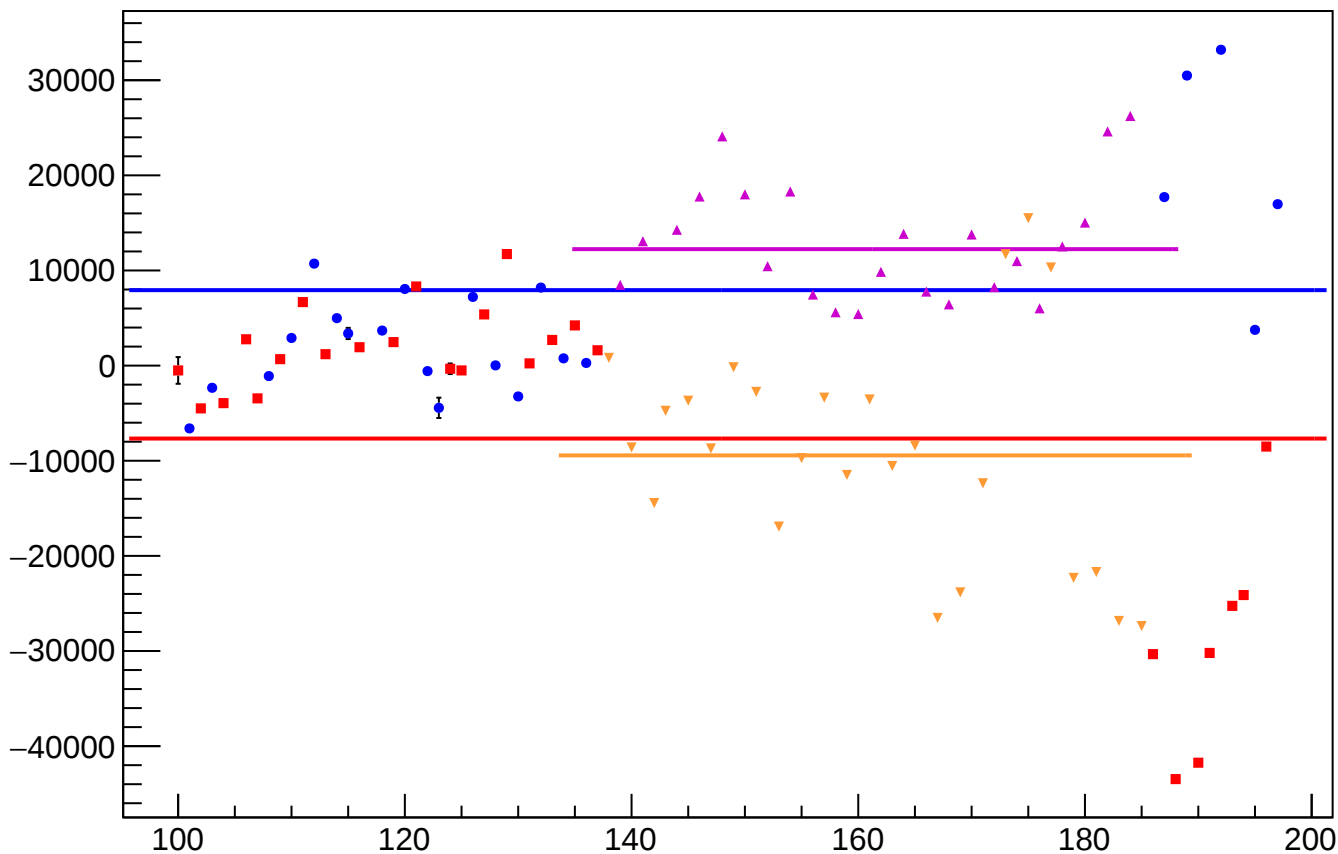
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 162.455+/-0.022 χ^2/NDF : 2960964.7/46

All: 162.085+/-0.016 χ^2/NDF : 6051301.7/95

- sign 161.723+/-0.022 χ^2/NDF : 3089802.2/48

asym_bpm0i02aWS_mean vs Slug



Right In: 7932.653+/-58.102 χ^2/NDF : 33338.7/21

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -7667.264+/-53.252 χ^2/NDF : 95981.8/25

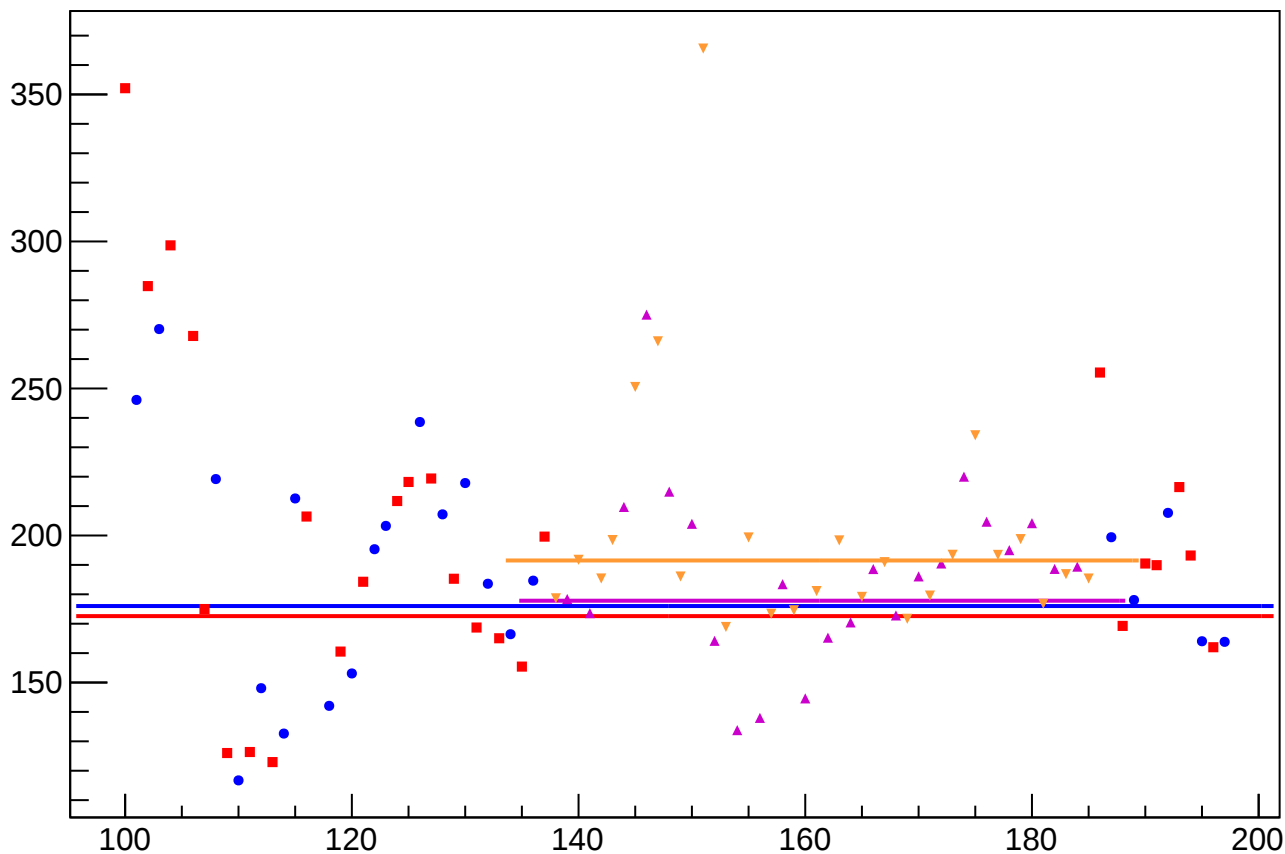
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -2828.336+/-35.840 χ^2/NDF : 150927.7/46

All: 869.503+/-24.626 χ^2/NDF : 366845.8/95

- sign 4176.741+/-33.894 χ^2/NDF : 195751.6/48

asym_bpm0i02aWS_rms vs Slug



Right In: 176.010 $\pm$ 0.041 χ^2 /NDF: 750925.5/21

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 172.584 $\pm$ 0.038 χ^2 /NDF: 1119819.8/25

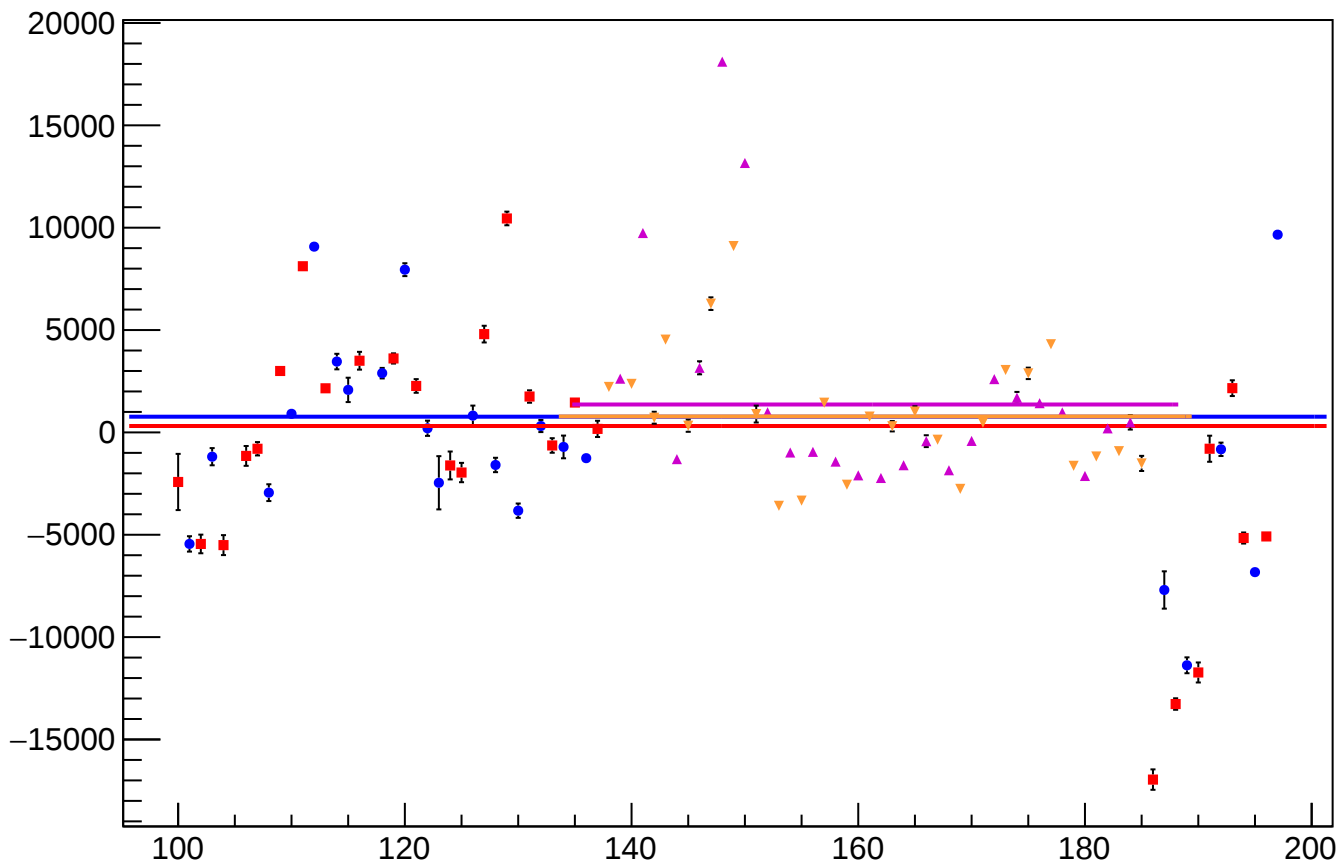
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 185.611 $\pm$ 0.025 χ^2 /NDF: 1566313.2/46

All: 180.379 $\pm$ 0.017 χ^2 /NDF: 3640872.0/95

- sign 175.700 $\pm$ 0.024 χ^2 /NDF: 1993823.6/48

asym_bpm0i05WS_mean vs Slug



Right In: 767.204 $\pm$ 65.545 χ^2 /NDF: 7071.7/21

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF: 4260.8/24

Right Out: 312.459 $\pm$ 60.525 χ^2 /NDF: 9002.5/25

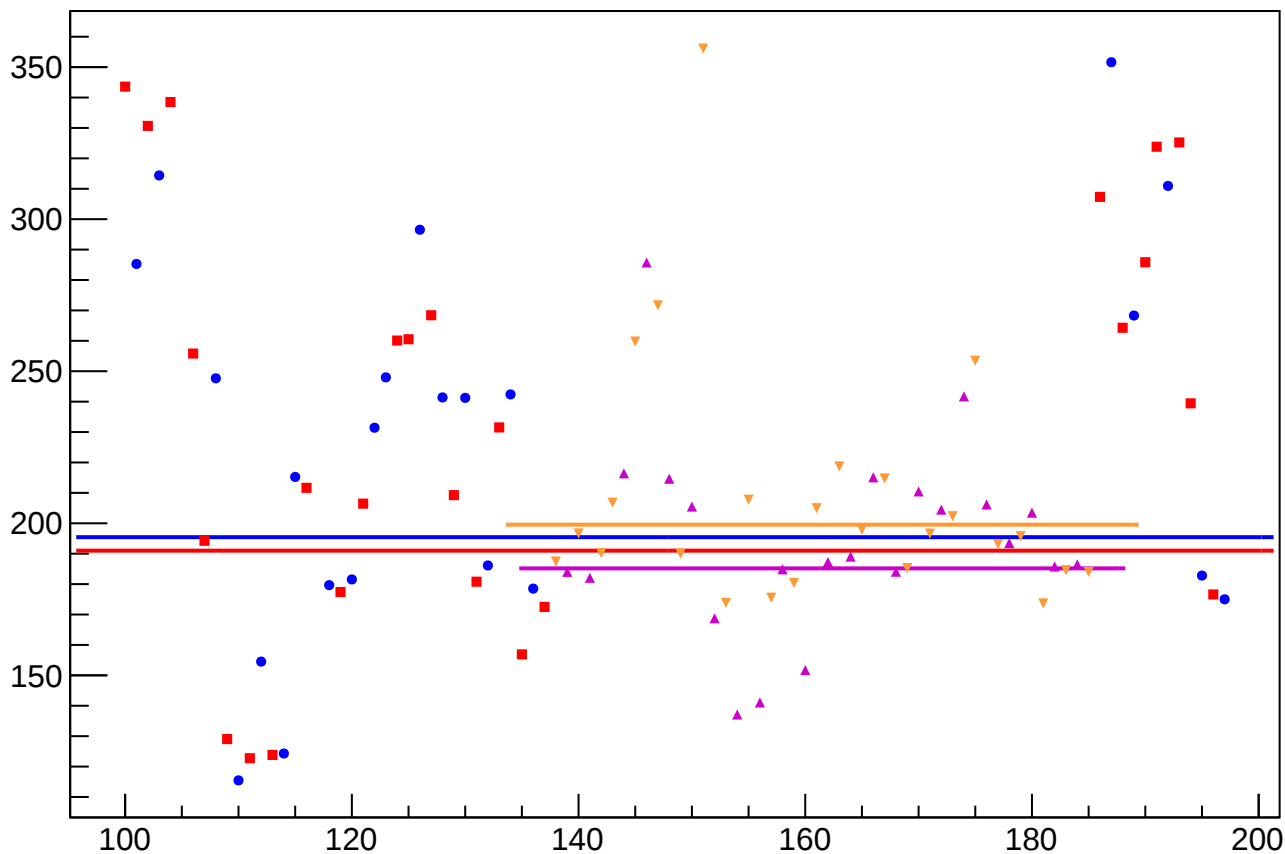
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF: 11632.9/22

+ sign 775.588 $\pm$ 38.439 χ^2 /NDF: 11332.5/46

All: 883.240 $\pm$ 26.478 χ^2 /NDF: 32174.4/95

- sign 980.438 $\pm$ 36.525 χ^2 /NDF: 20826.9/48

asym_bpm0i05WS_rms vs Slug



Right In: 195.435 $\pm$ 0.046 χ^2 /NDF: 1394457.9/21

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 191.002 $\pm$ 0.043 χ^2 /NDF: 2124066.6/25

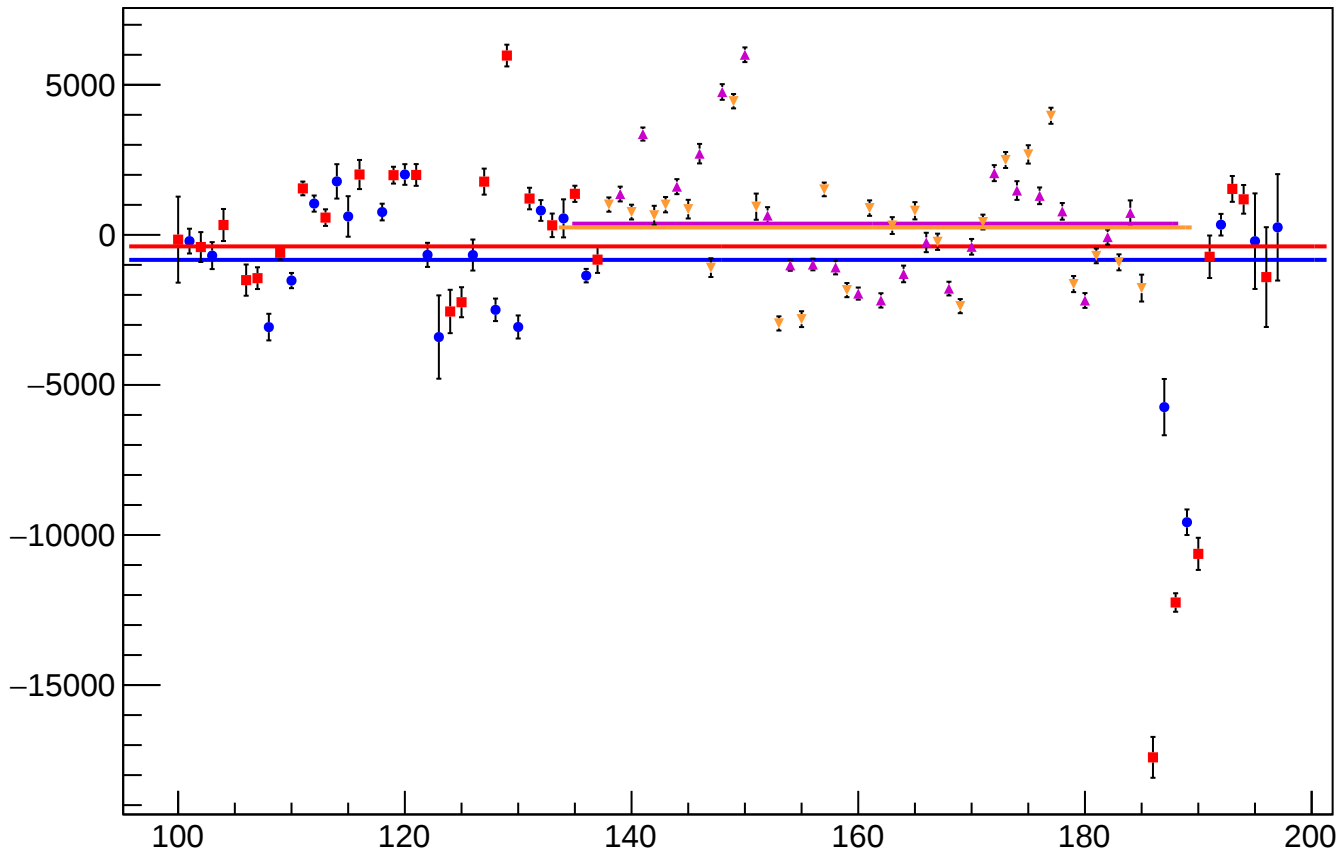
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 198.133 $\pm$ 0.027 χ^2 /NDF: 2128978.1/46

All: 192.437 $\pm$ 0.019 χ^2 /NDF: 5231158.1/95

- sign 187.294 $\pm$ 0.026 χ^2 /NDF: 3018624.3/48

asym_bpm0i07WS_mean vs Slug



Right In: -832.754+/-83.944 χ^2/NDF : 760.0/21

Left Out: 247.844+/-53.555 χ^2/NDF :1355.1/24

Right Out: -383.667+/-75.340 χ^2/NDF : 3162.2/25

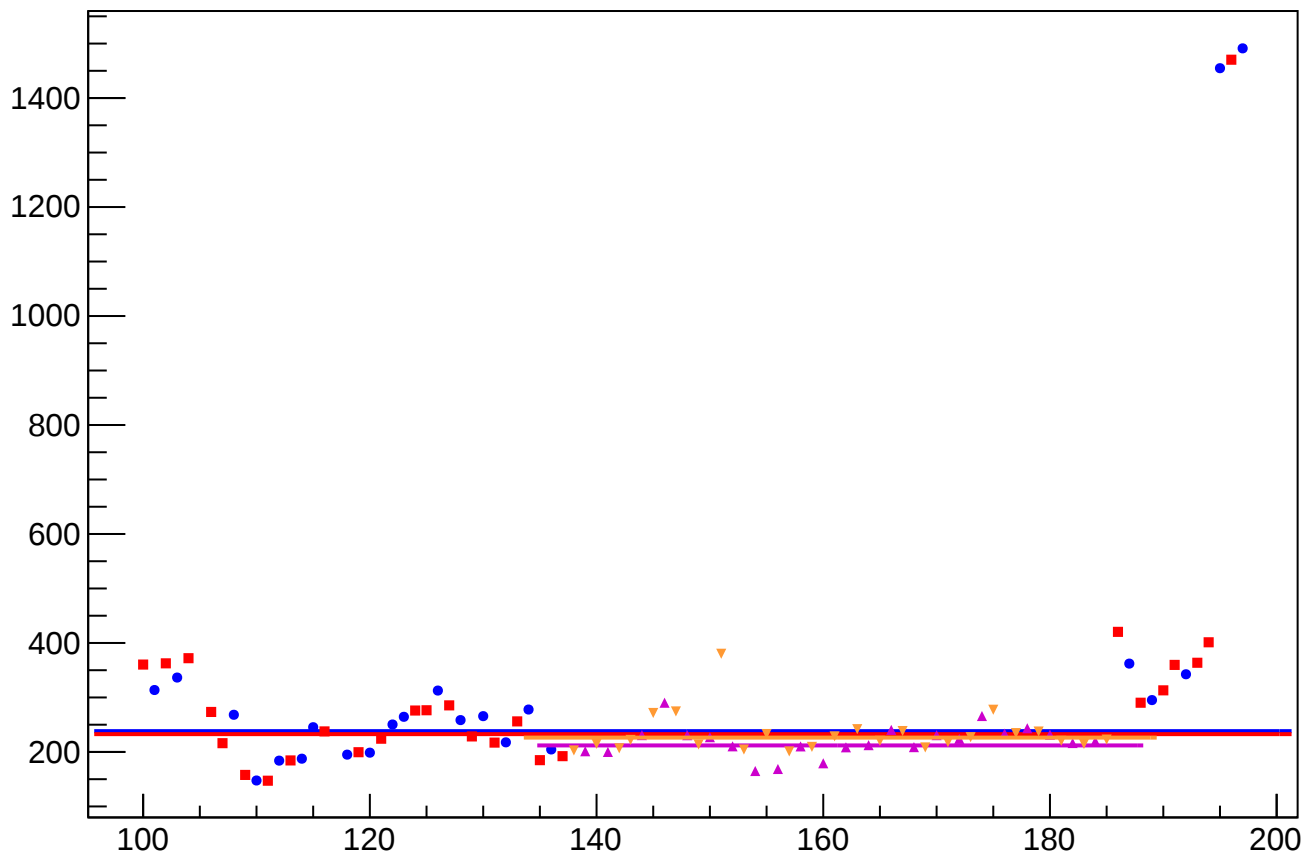
Left In: 374.122+/-52.049 χ^2/NDF :1801.0/22

+ sign -64.750+/-45.149 χ^2/NDF : 2232.8/46

All: 37.398+/-31.070 χ^2/NDF : 7274.2/95

- sign 129.293+/-42.823 χ^2/NDF : 5031.7/48

asym_bpm0i07WS_rms vs Slug



Right In: 238.192 $\pm$ 0.059 χ^2 /NDF: 3123082.0/21

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 232.680 $\pm$ 0.053 χ^2 /NDF: 2913252.4/25

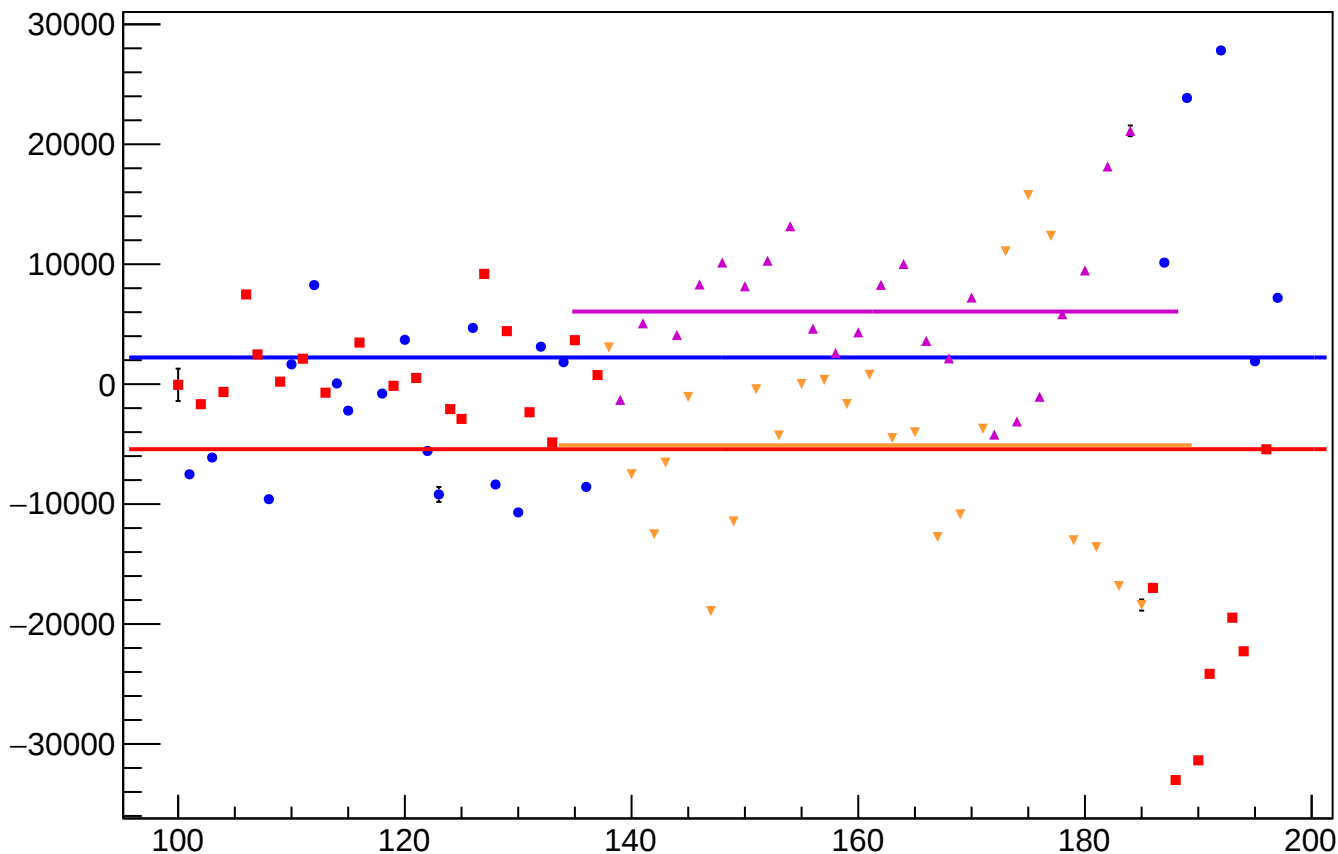
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 229.756 $\pm$ 0.032 χ^2 /NDF: 3672545.8/46

All: 223.915 $\pm$ 0.022 χ^2 /NDF: 7336014.0/95

- sign 218.661 $\pm$ 0.030 χ^2 /NDF: 3599895.6/48

asym_bpm1i02WS_mean vs Slug



Right In: 2226.329+/-40.889 χ^2/NDF : 67216.7/21

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5422.762+/-37.754 χ^2/NDF : 99652.5/25

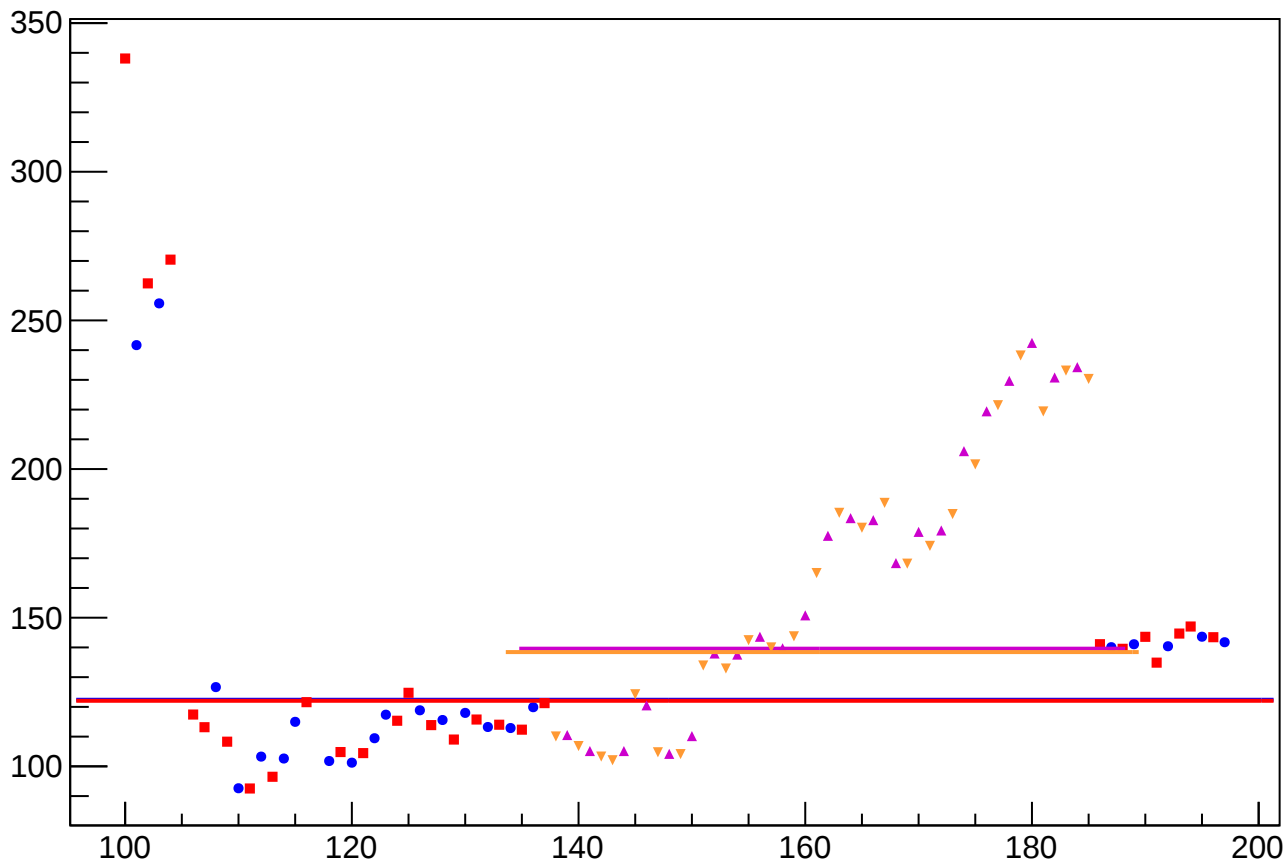
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -2133.339+/-26.007 χ^2/NDF : 140703.5/46

All: -672.871+/-18.268 χ^2/NDF : 313867.0/95

- sign 749.558+/-25.666 χ^2/NDF : 166938.6/48

asym_bpm1i02WS_rms vs Slug



Right In: 122.395+/-0.029 χ^2/NDF : 896815.7/21

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 122.058+/-0.027 χ^2/NDF : 1050050.8/25

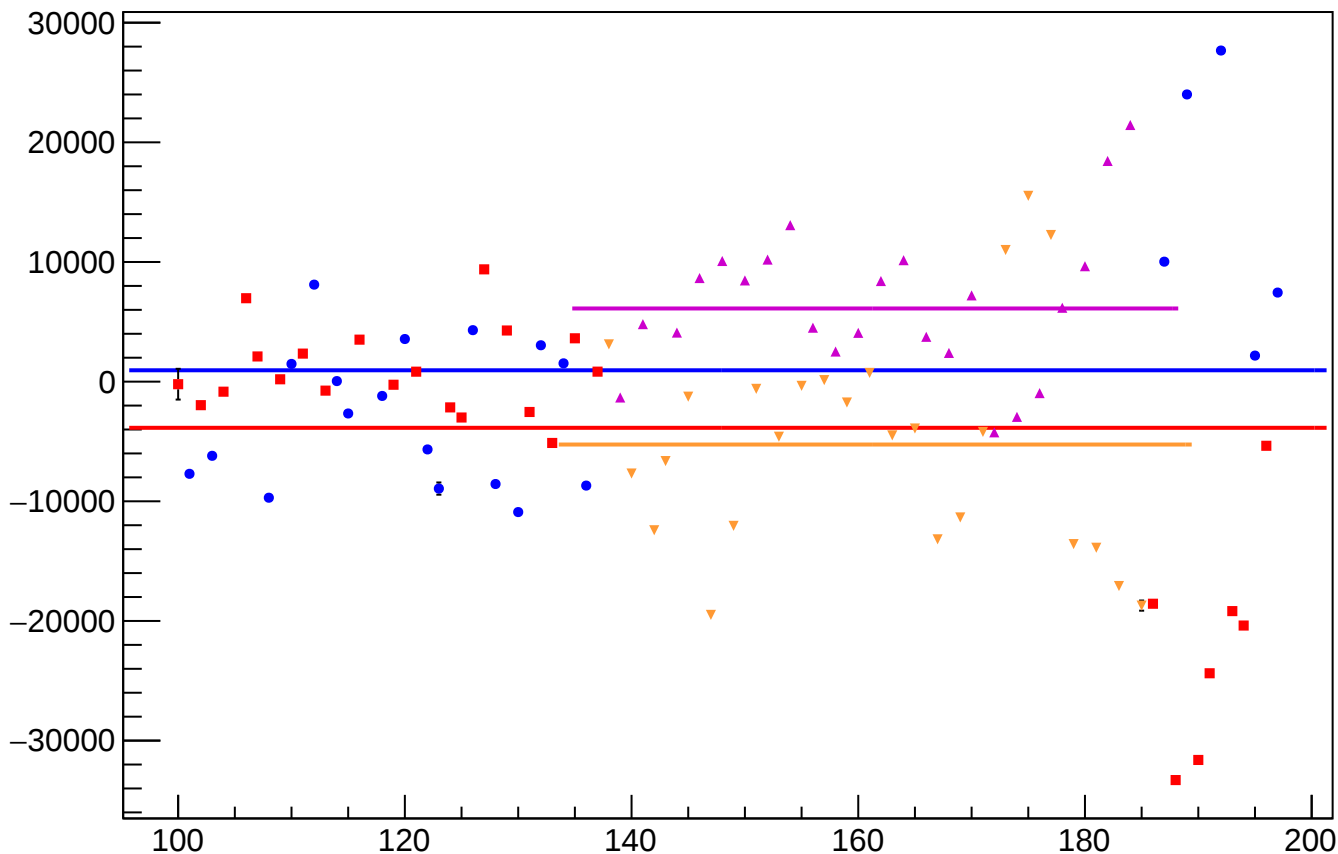
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.946+/-0.018 χ^2/NDF : 3629520.6/46

All: 131.710+/-0.013 χ^2/NDF : 7325186.8/95

- sign 131.481+/-0.018 χ^2/NDF : 3695341.2/48

asym_bpm1i04WS_mean vs Slug



Right In: 949.476 $\pm$ 35.939 χ^2 /NDF: 72413.0/21

Left Out: -5255.652 $\pm$ 30.622 χ^2 /NDF: 64324.6/24

Right Out: -3858.007 $\pm$ 33.439 χ^2 /NDF: 107060.1/25

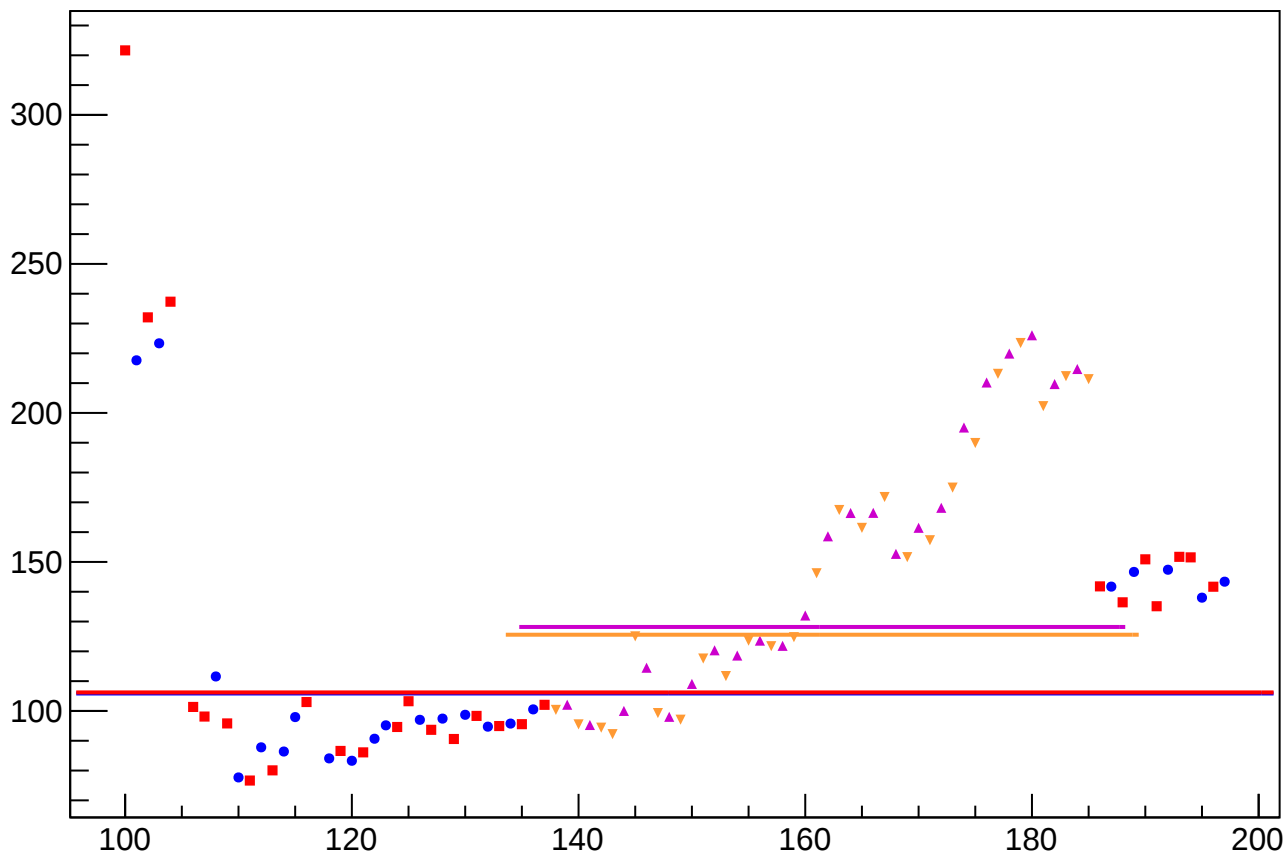
Left In: 6114.901 $\pm$ 32.126 χ^2 /NDF: 21260.9/22

+ sign -2645.656 $\pm$ 23.309 χ^2 /NDF: 154008.9/46

All: -646.635 $\pm$ 16.431 χ^2 /NDF: 343206.8/95

- sign 1328.110 $\pm$ 23.167 χ^2 /NDF: 174576.5/48

asym_bpm1i04WS_rms vs Slug



Right In: 105.859+/-0.025 χ^2/NDF : 1341244.0/21

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 106.219+/-0.024 χ^2/NDF : 1625755.0/25

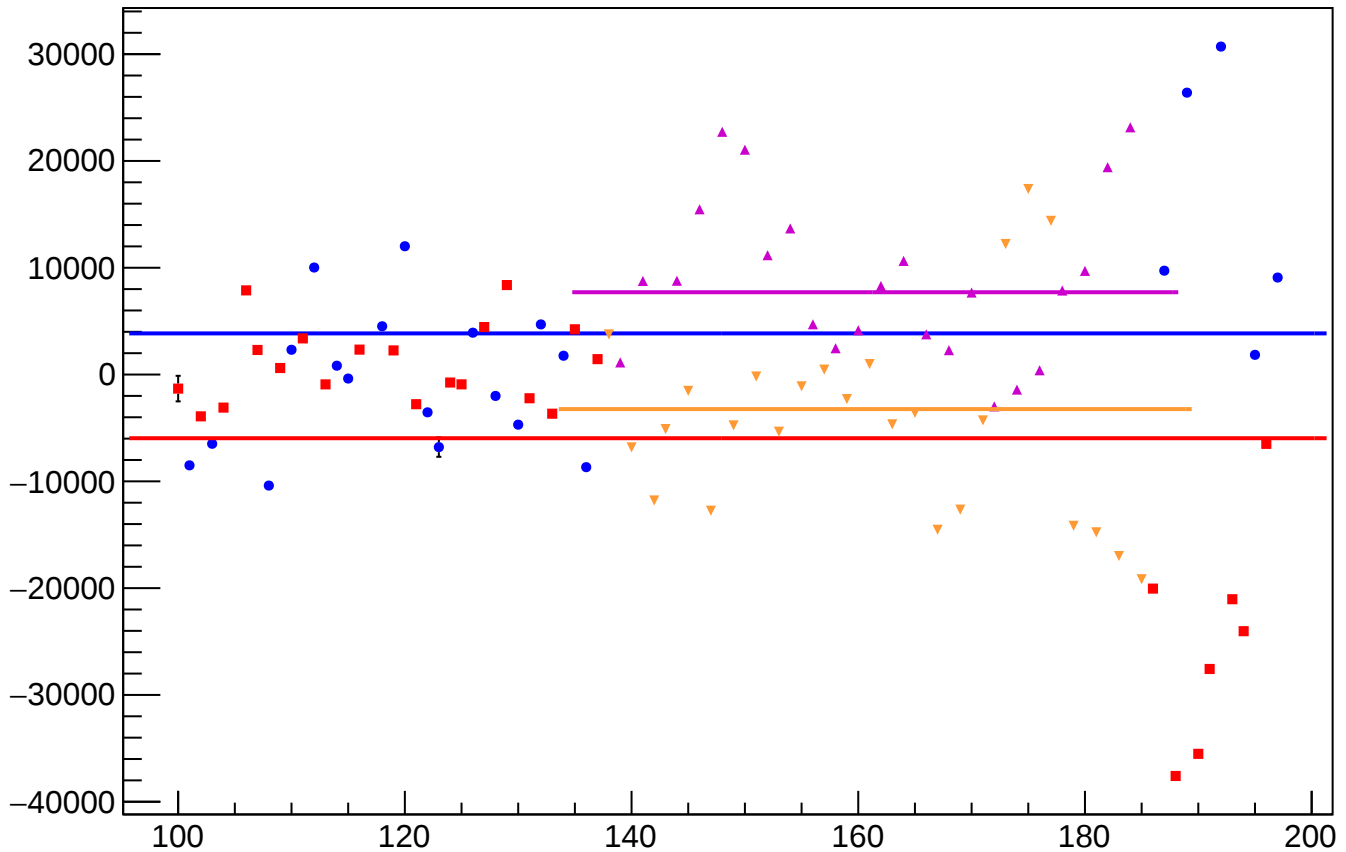
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 117.283+/-0.016 χ^2/NDF : 4285820.0/46

All: 117.463+/-0.012 χ^2/NDF : 8693547.0/95

- sign 117.641+/-0.016 χ^2/NDF : 4407490.0/48

asym_bpm1i06WS_mean vs Slug



Right In: 3852.978 ± 47.923 $\chi^2/\text{NDF}: 53039.4/21$

Left Out: -3234.922 ± 40.583 $\chi^2/\text{NDF}: 36739.9/24$

Right Out: -5961.892 ± 44.387 $\chi^2/\text{NDF}: 88775.5/25$

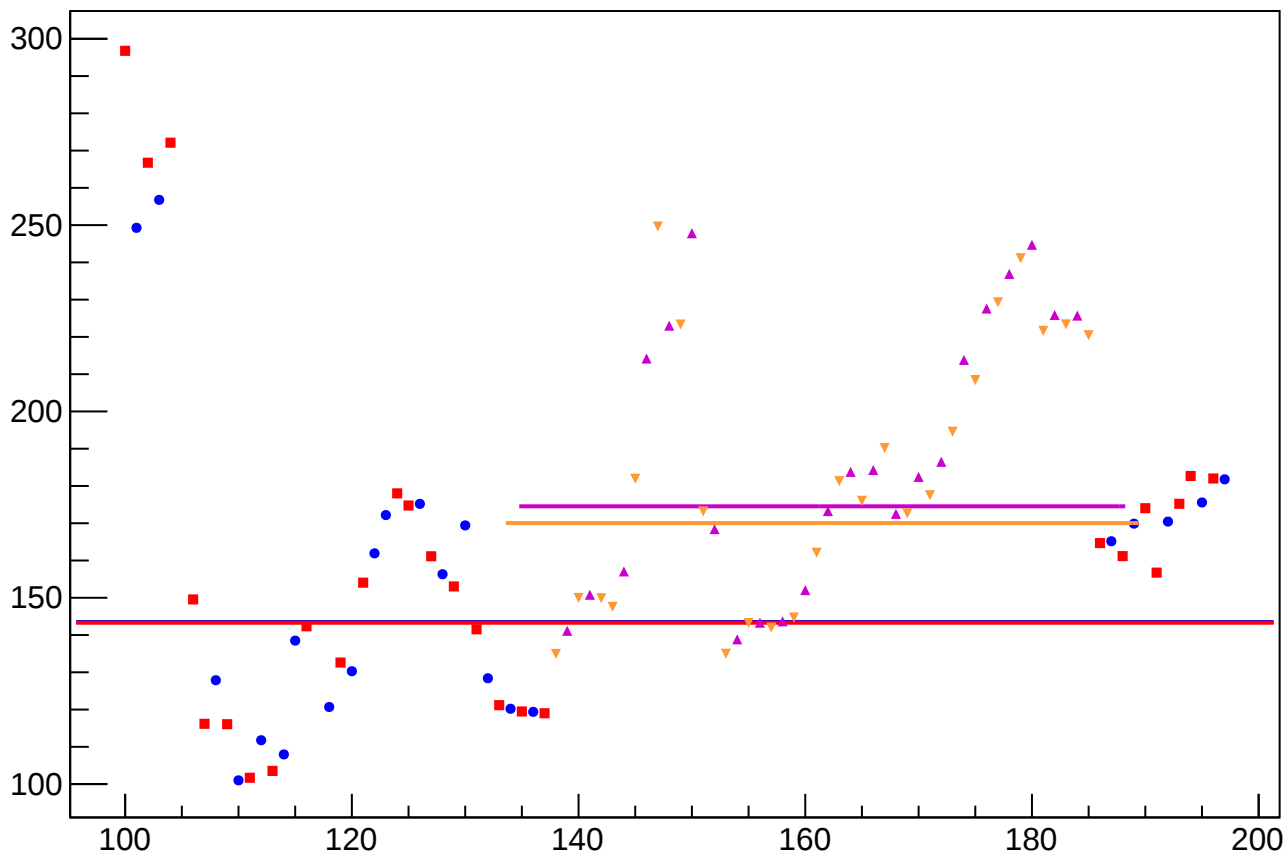
Left In: 7707.068 ± 42.990 $\chi^2/\text{NDF}: 21268.3/22$

+ sign -274.824 ± 30.970 $\chi^2/\text{NDF}: 102518.6/46$

All: 410.122 ± 21.867 $\chi^2/\text{NDF}: 262470.0/95$

- sign 1091.121 ± 30.881 $\chi^2/\text{NDF}: 158976.0/48$

asym_bpm1i06WS_rms vs Slug



Right In: 143.503 $\pm$ 0.034 χ^2 /NDF: 1035955.5/21

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 143.299 $\pm$ 0.031 χ^2 /NDF: 1213349.3/25

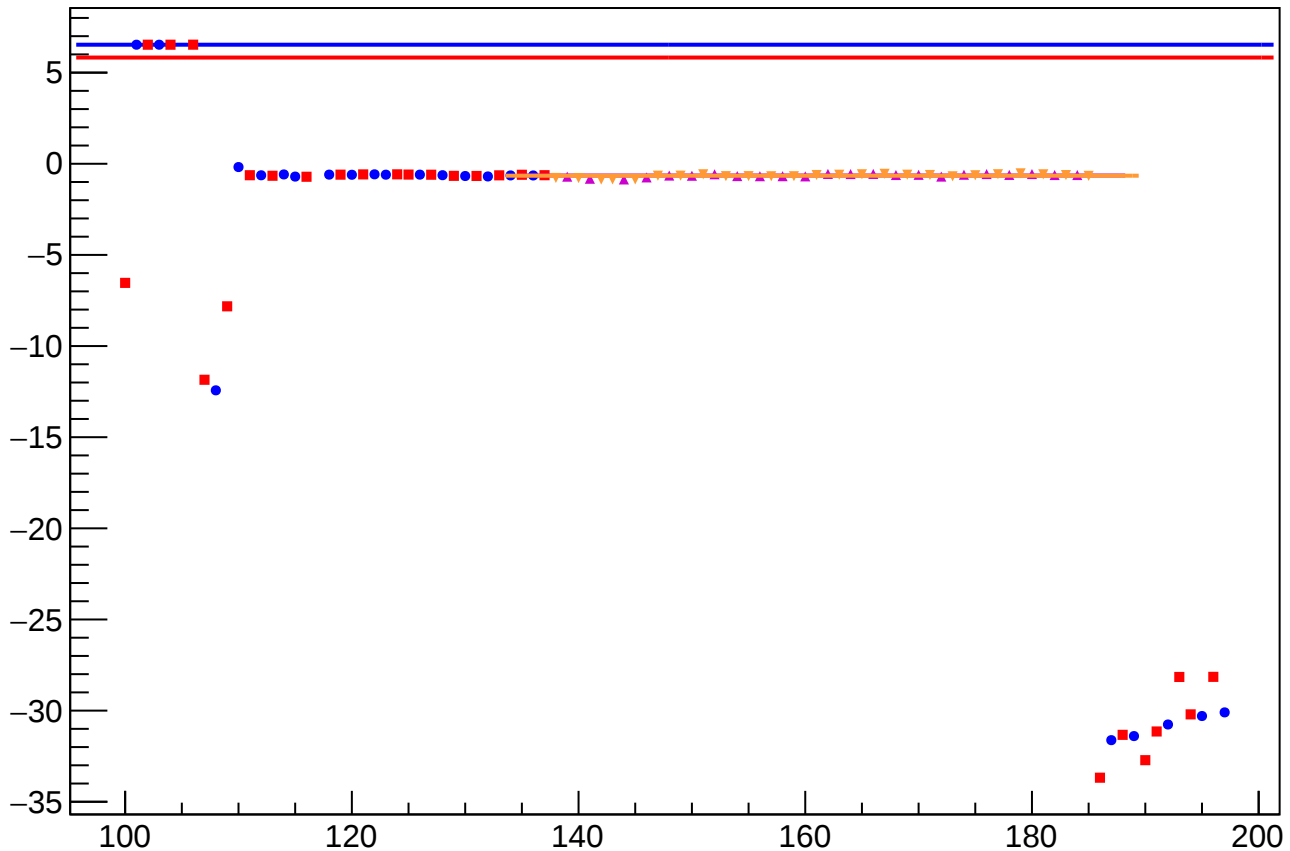
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 158.963 $\pm$ 0.022 χ^2 /NDF: 2634220.3/46

All: 159.191 $\pm$ 0.015 χ^2 /NDF: 5569044.0/95

- sign 159.419 $\pm$ 0.022 χ^2 /NDF: 2934606.8/48

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127769063985.6/21

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947638282480.5/25

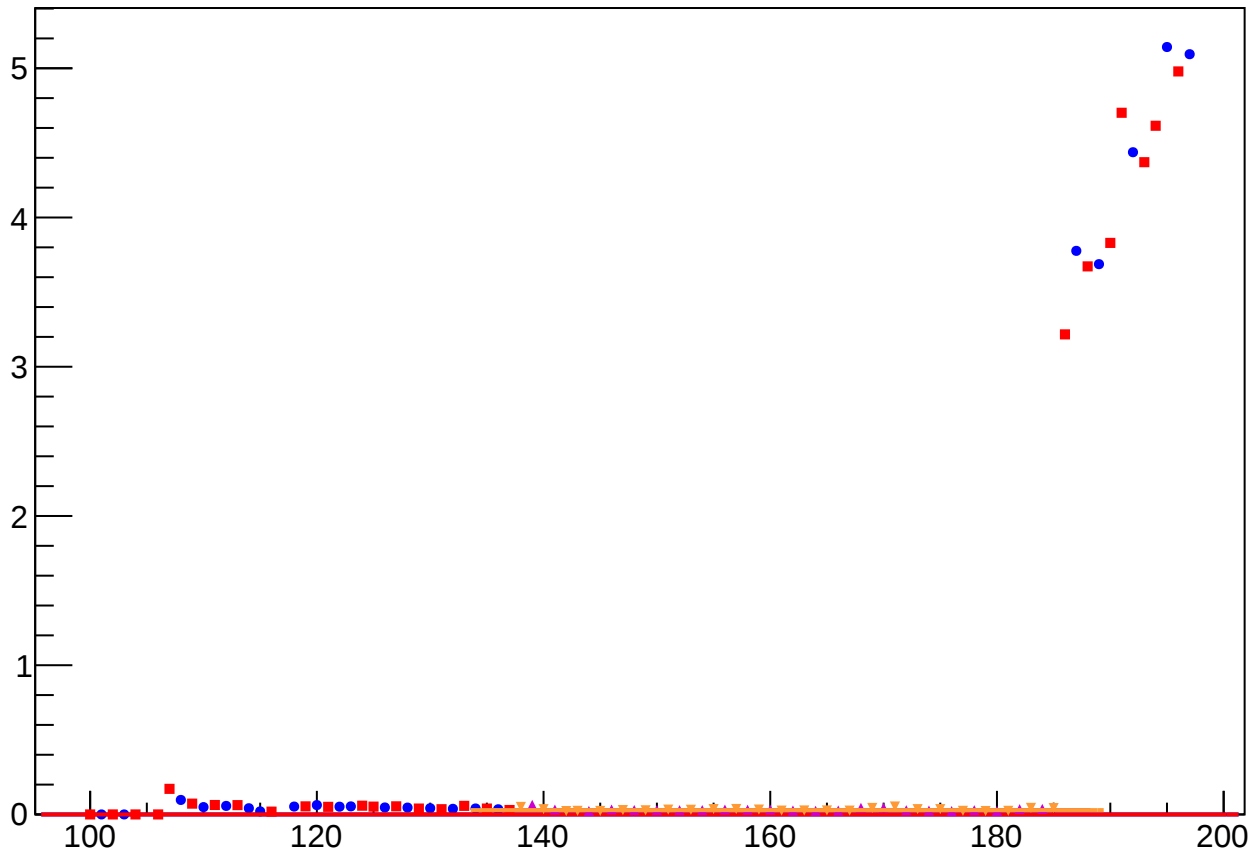
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 999158354170.1/46

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77760194613070

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756618982892596.6/25

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15017135.1/21

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 17527970.0/25

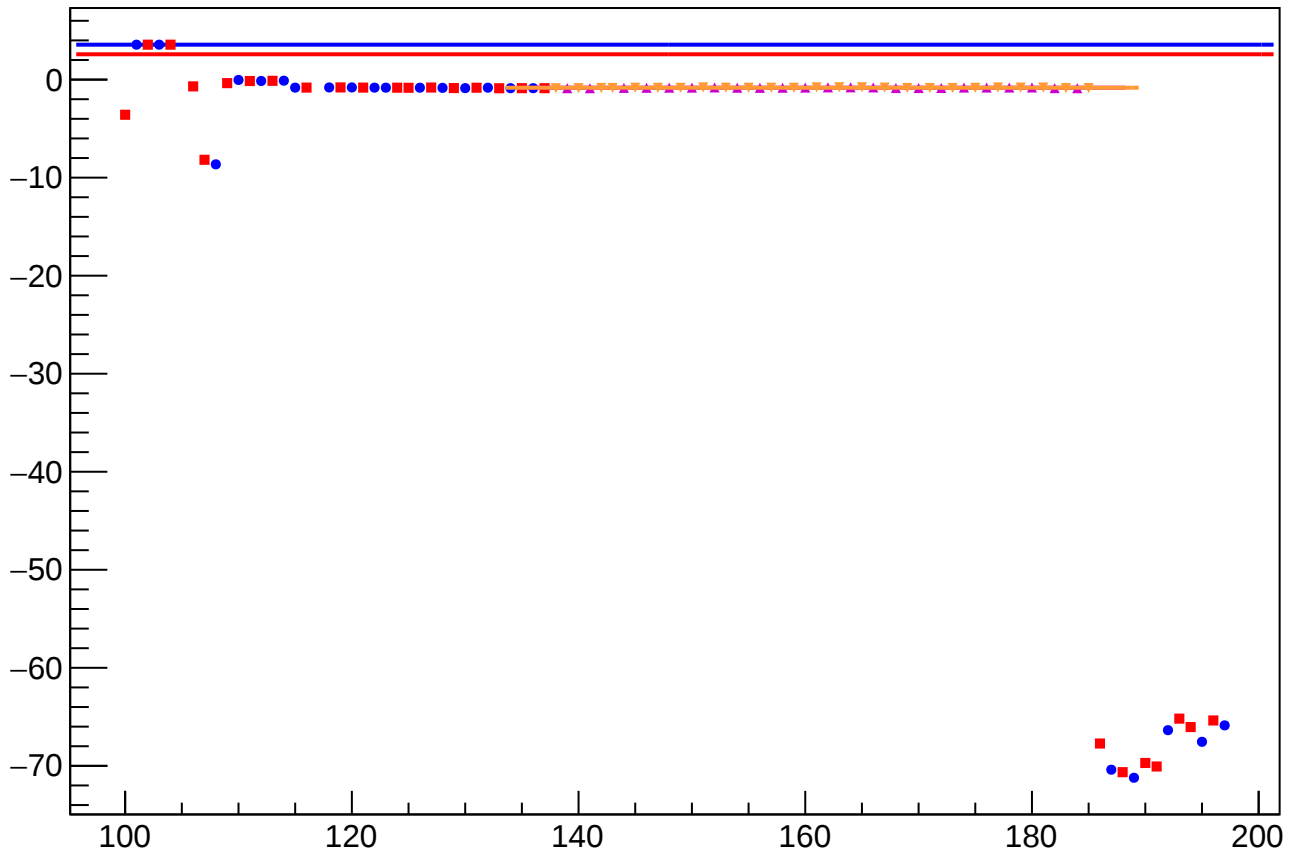
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 44888537.3/46

All: 0.000+/-0.000 χ^2/NDF : 90382890.0/95

- sign 0.000+/-0.000 χ^2/NDF : 45493669.2/48

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 496487965653.5/21

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253520111444315.2/25

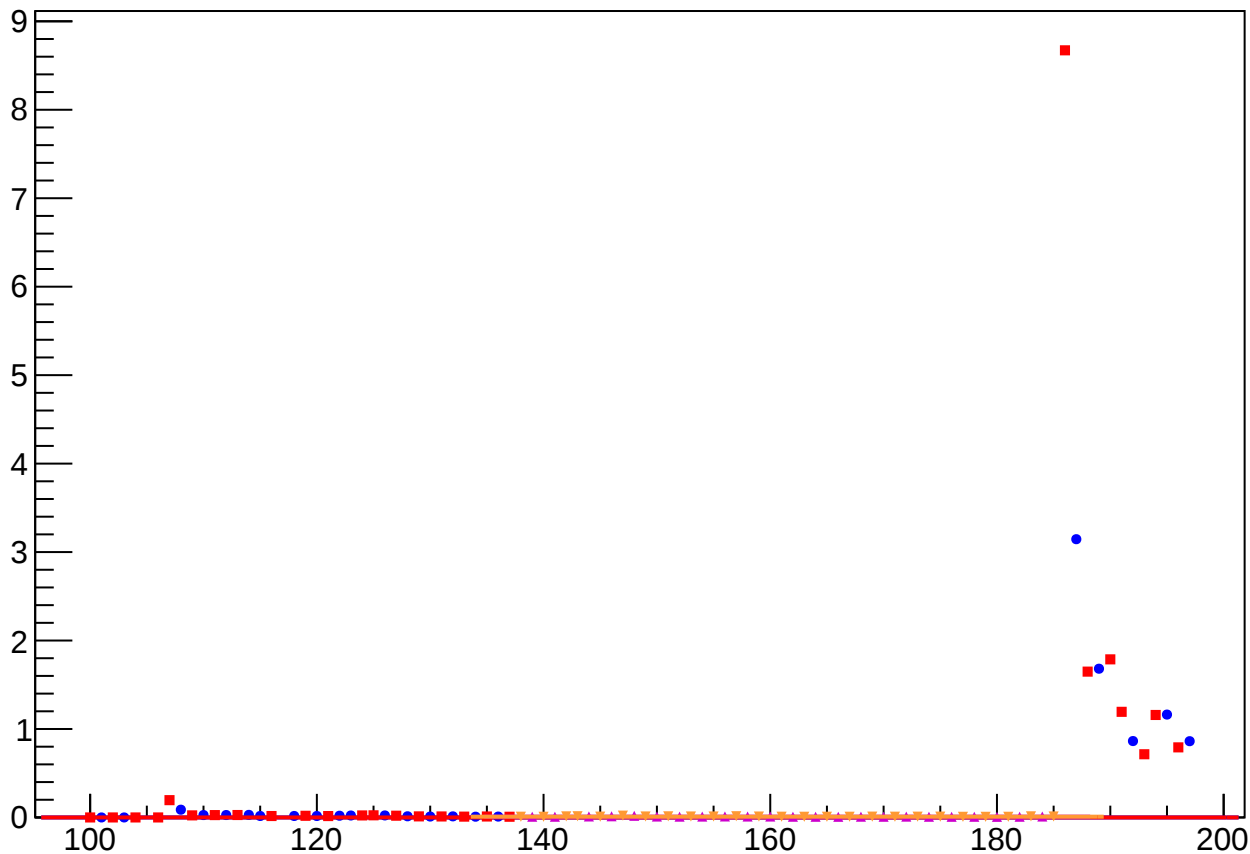
Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4178644295224.6/46

All: 3.038+/-0.000 χ^2/NDF : 13879742974592

- sign 2.581+/-0.000 χ^2/NDF : 1255720163910875.5

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14752089.1/21

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 17008940.8/25

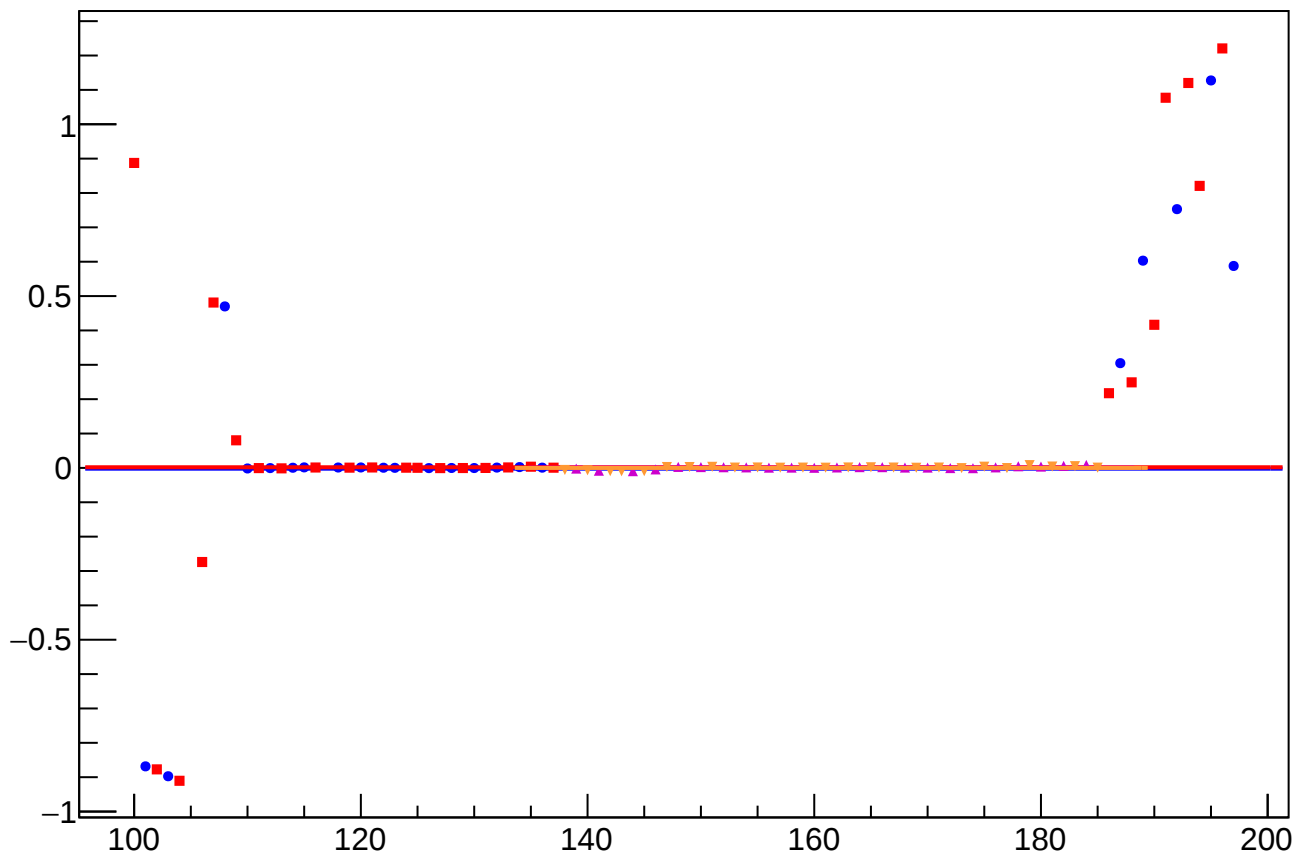
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 46160916.3/46

All: 0.000+/-0.000 χ^2/NDF : 92716519.8/95

- sign 0.000+/-0.000 χ^2/NDF : 46554481.3/48

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9796097590.1/21

Left Out: -0.000 ± 0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3042328185.5/25

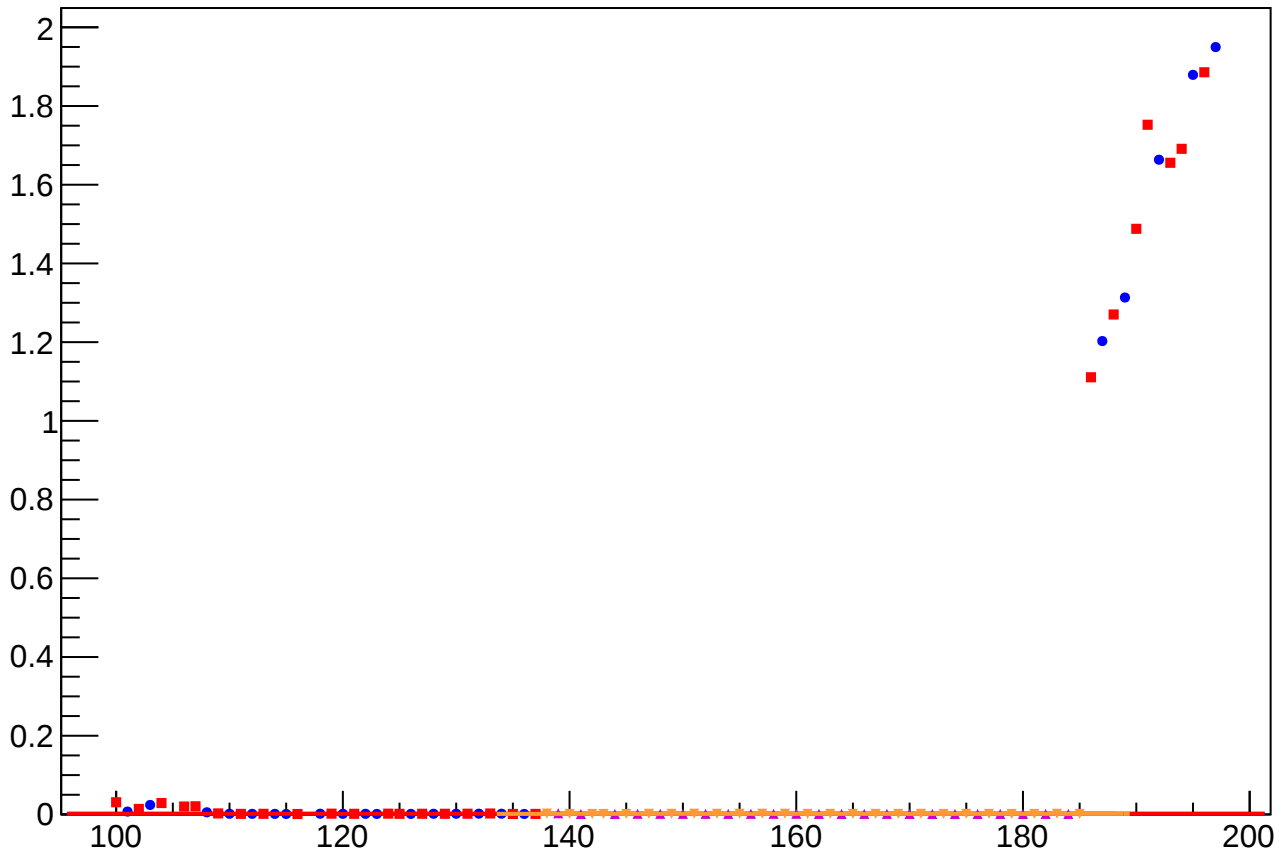
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9954116601.2/46

All: 0.000 ± 0.000 χ^2/NDF : 13107431360.5/9

- sign 0.001 ± 0.000 χ^2/NDF : 3145733619.0/48

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 7891574.1/21

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 539817.3/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 11180691.5/25

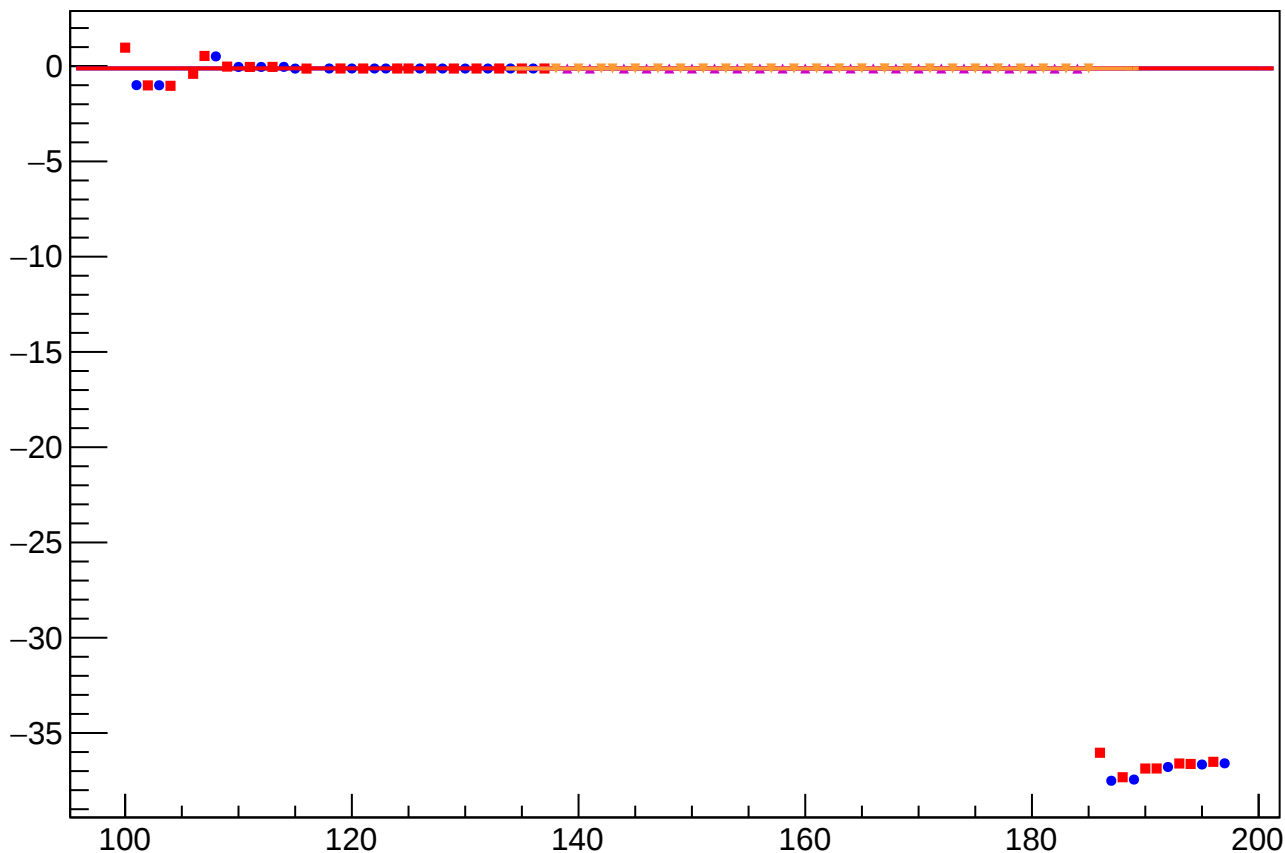
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 626044.8/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8502499.5/46

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 20427181.0/95

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11915718.8/48

yield_cav4cY_mean vs Slug



Right In: -0.121+/-0.000 χ^2/NDF : 29312456526.5/21

Left Out: -0.121+/-0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.116+/-0.000 χ^2/NDF : 36885652792.7/25

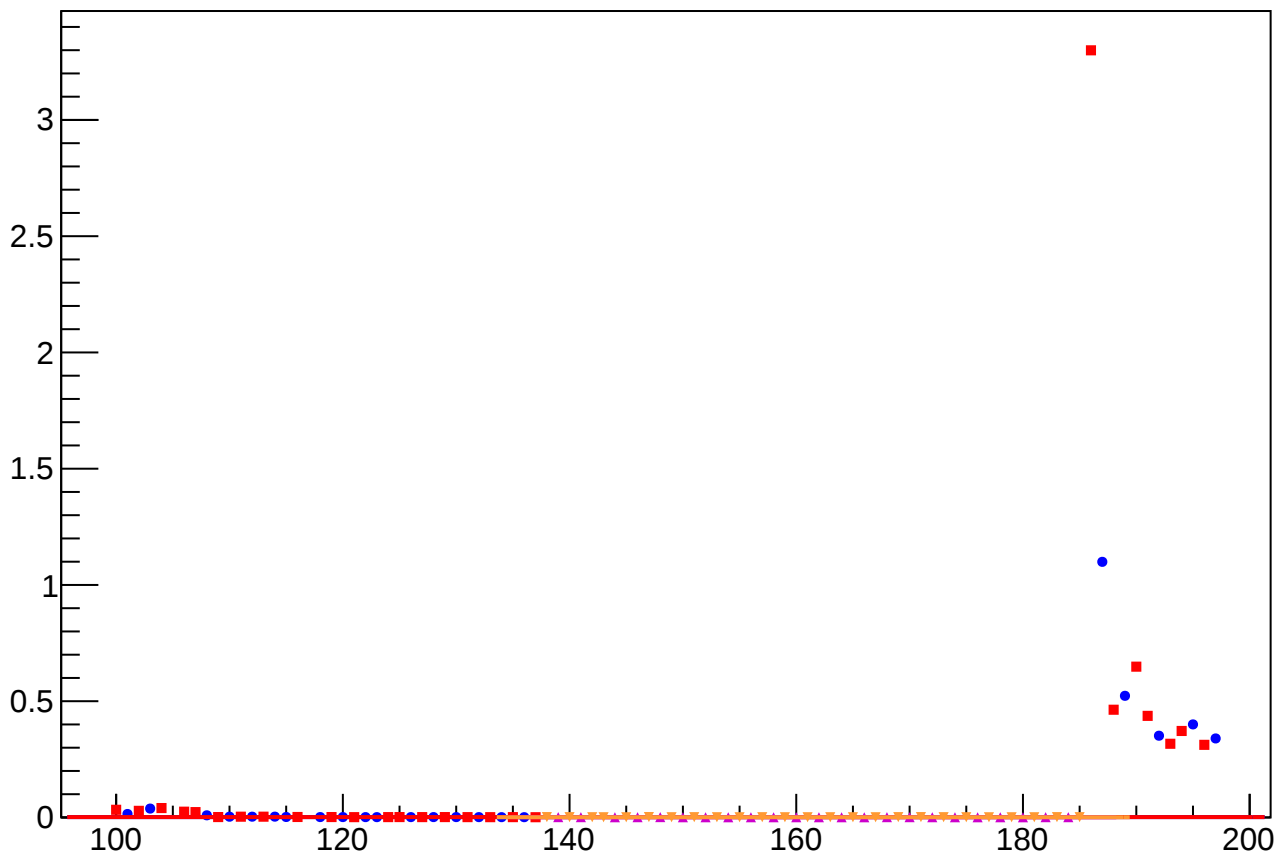
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 29370823901.2/46

All: -0.121+/-0.000 χ^2/NDF : 66355309015.5

- sign -0.120+/-0.000 χ^2/NDF : 36980499557.6/48

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 8527732.9/21

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 11335341.9/25

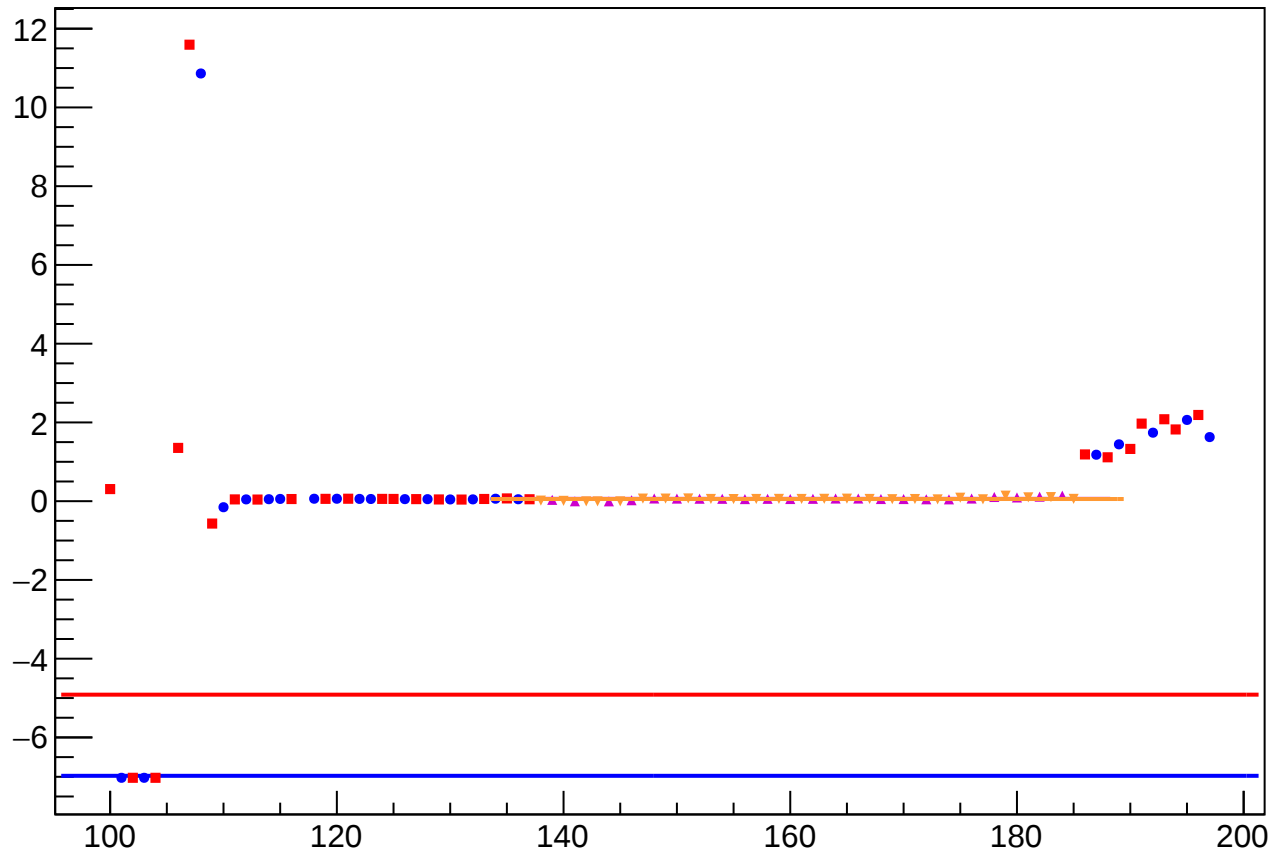
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 11085356.2/46

All: 0.001+/-0.000 χ^2/NDF : 24517609.2/95

- sign 0.001+/-0.000 χ^2/NDF : 13430402.9/48

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797461431086.6/21

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352751952781.2/25

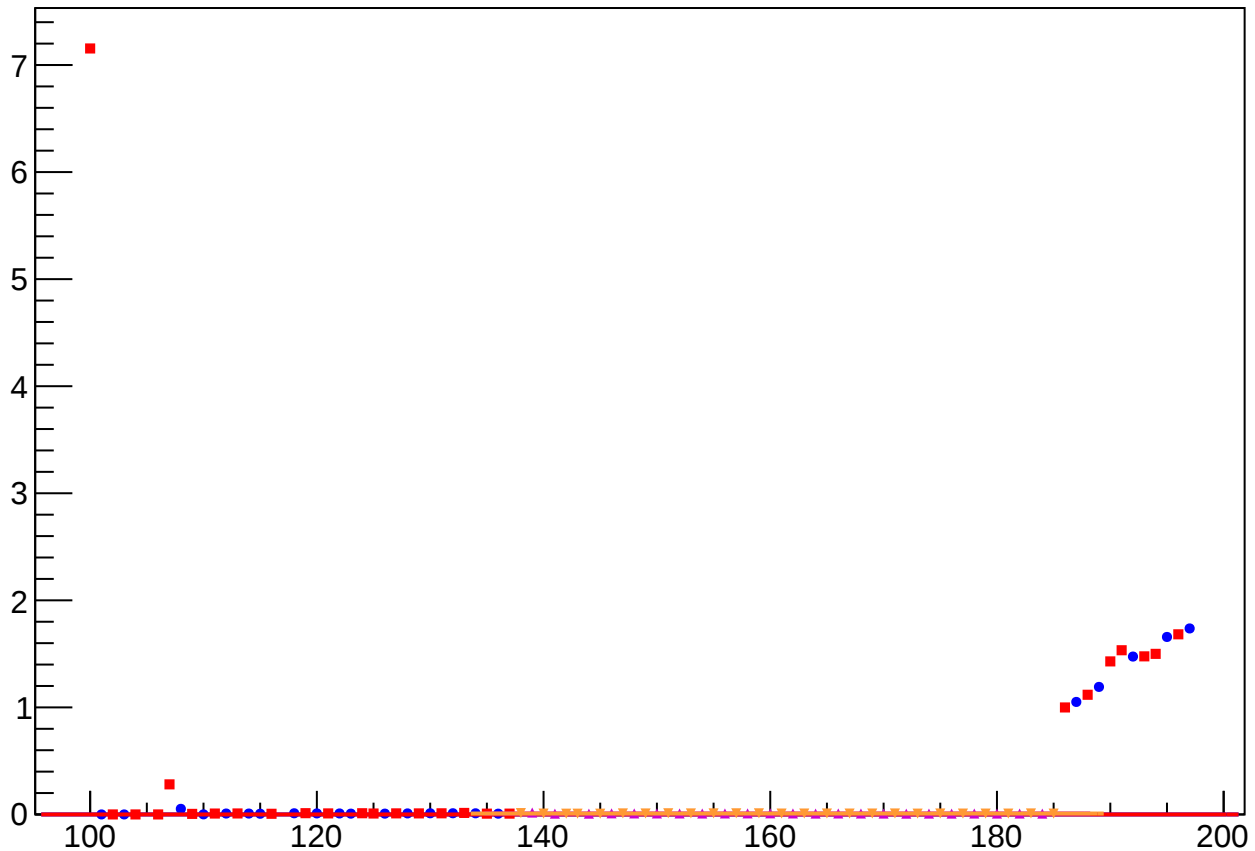
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18423775469892.1/21

All: -5.858 ± 0.000 χ^2/NDF : 4435287647621.2/25

- sign -4.882 ± 0.000 χ^2/NDF : 369731772432788.3

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14333970.8/21

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16955447.6/25

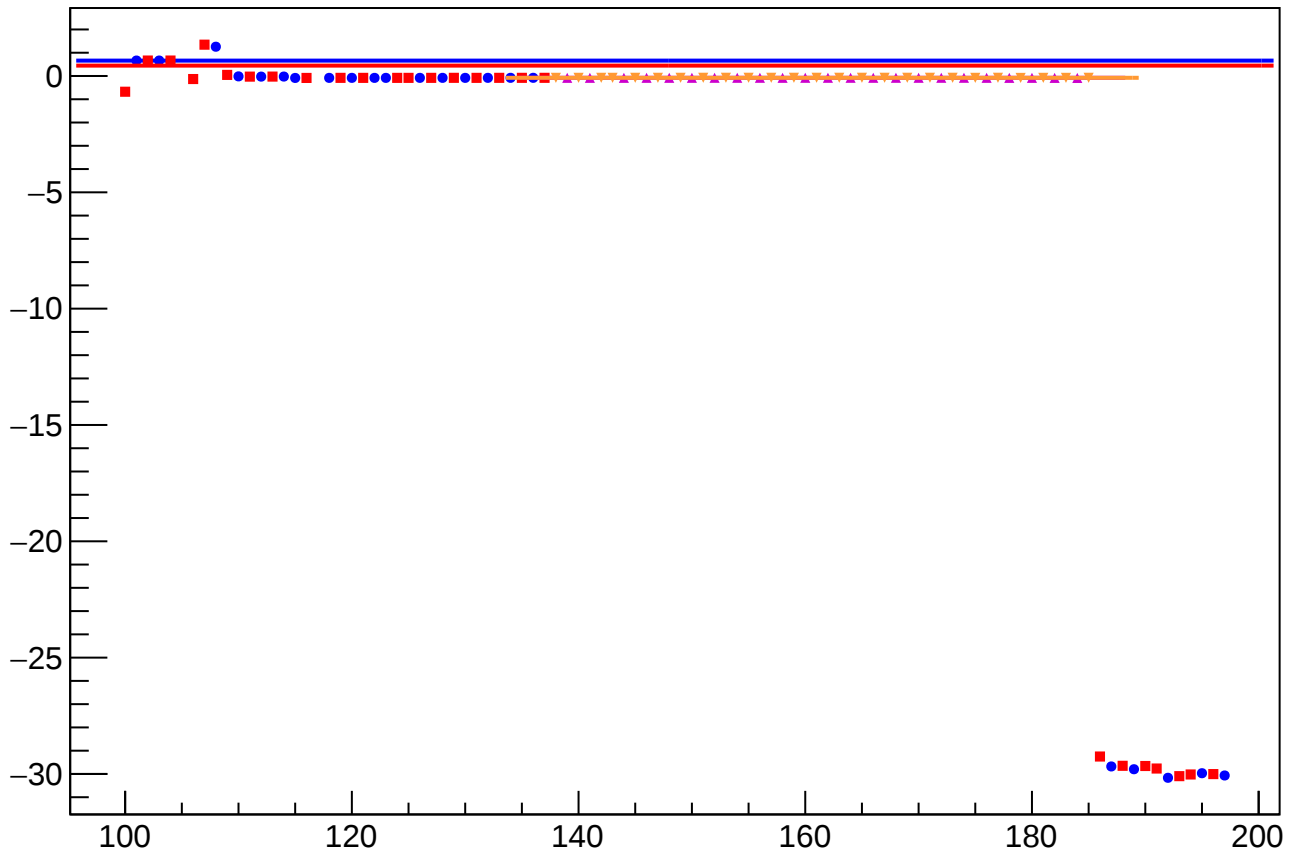
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 43236398.0/46

All: 0.000+/-0.000 χ^2/NDF : 87652951.2/95

- sign 0.000+/-0.000 χ^2/NDF : 44411751.4/48

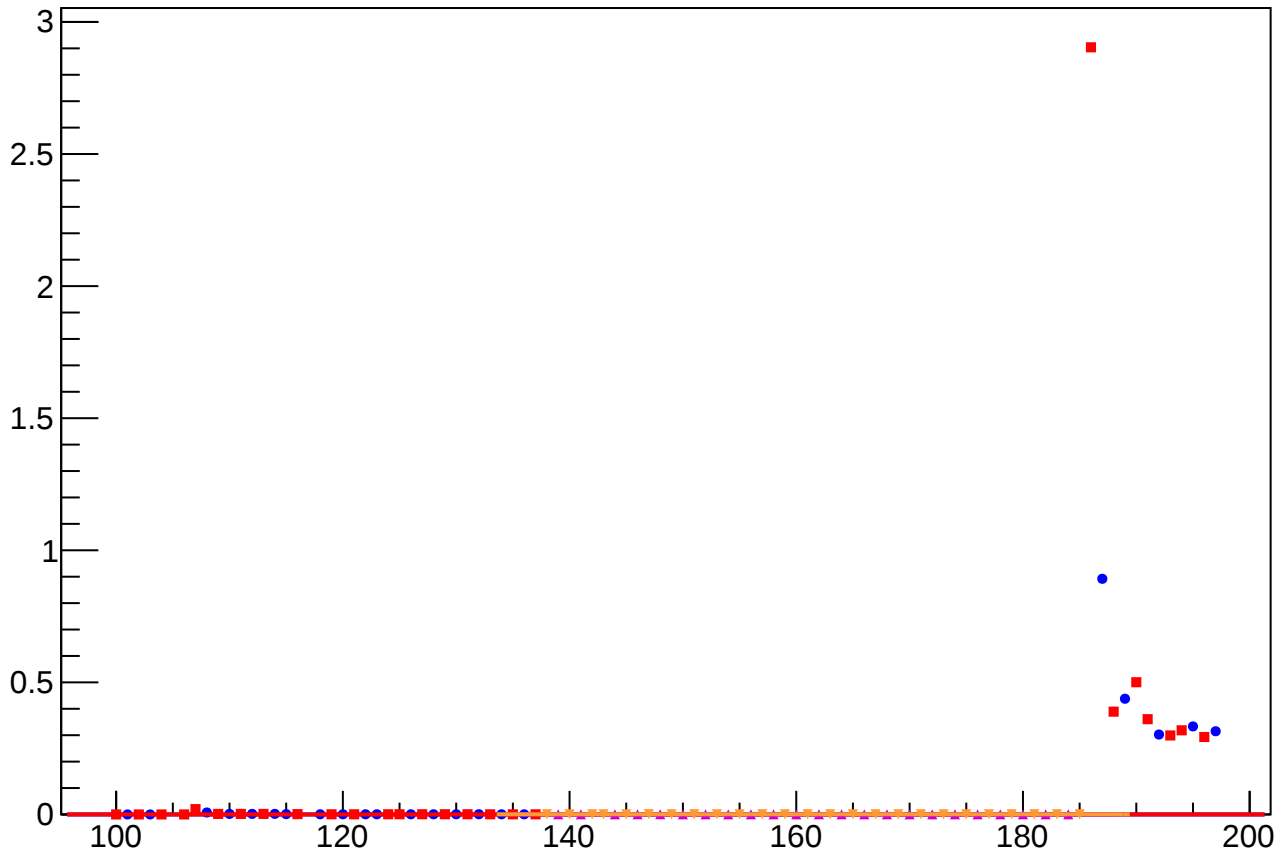
yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5683162520159.8/21
 Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156404795.7/24
 Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405458995278536.9/25
 Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 110762924.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35781965357025.1/4
 All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51589991271920
 - sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419581035133659.5/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15811408.8/21

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 17479728.7/25

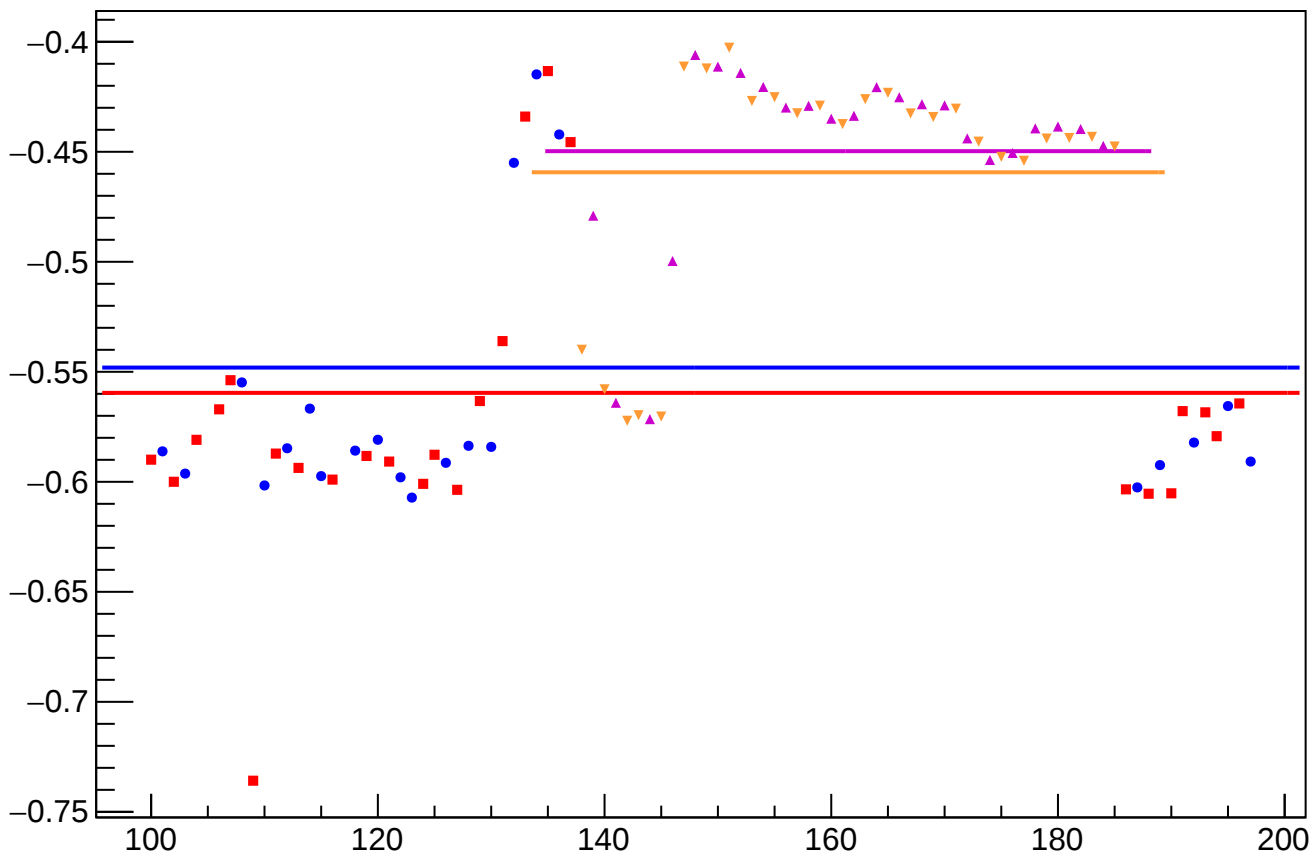
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 48365204.2/46

All: 0.000+/-0.000 χ^2/NDF : 96645814.5/95

- sign 0.000+/-0.000 χ^2/NDF : 48272786.3/48

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2 /NDF: 47403308.2/21

Left Out: -0.459+/-0.000 χ^2 /NDF: 113602161.0/24

Right Out: -0.560+/-0.000 χ^2 /NDF: 65601035.1/25

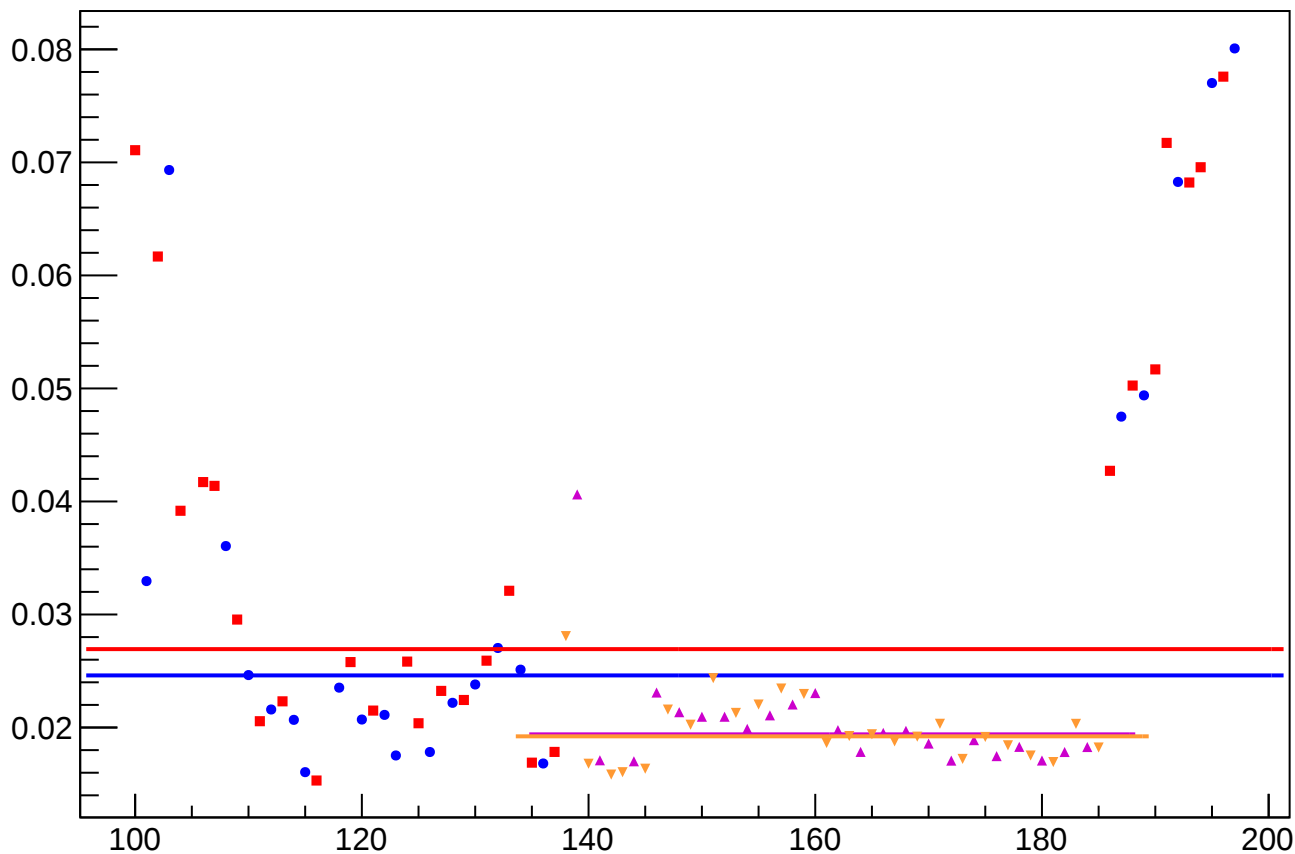
Left In: -0.450+/-0.000 χ^2 /NDF: 76117957.8/22

+ sign -0.479+/-0.000 χ^2 /NDF: 230088418.6/46

All: -0.477+/-0.000 χ^2 /NDF: 474399715.6/95

- sign -0.475+/-0.000 χ^2 /NDF: 243938098.6/48

yield_bpm4aX_rms vs Slug



Right In: 0.025 ± 0.000 χ^2/NDF : 3539105.0/21

Left Out: 0.019 ± 0.000 χ^2/NDF : 501711.6/24

Right Out: 0.027 ± 0.000 χ^2/NDF : 4015912.1/25

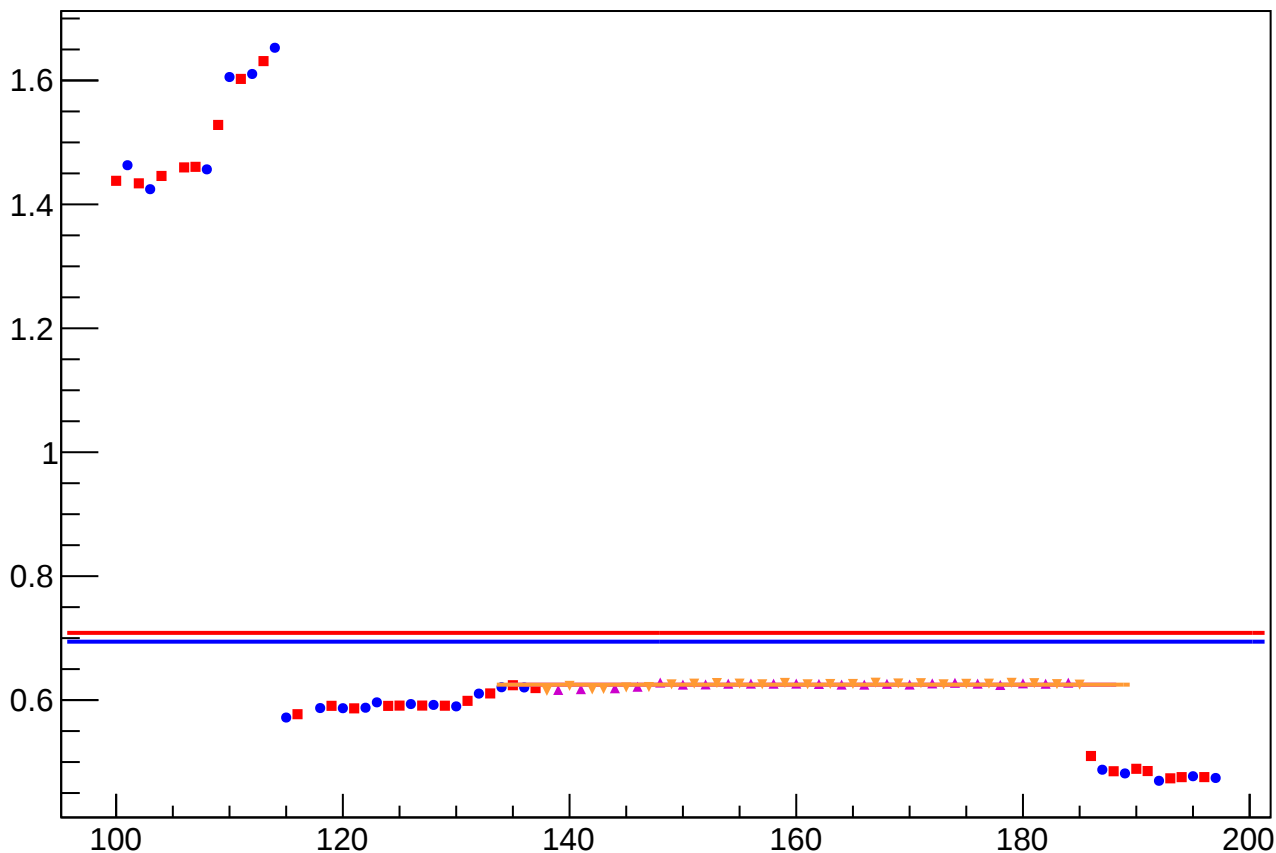
Left In: 0.019 ± 0.000 χ^2/NDF : 626443.5/22

+ sign 0.020 ± 0.000 χ^2/NDF : 4550303.4/46

All: 0.021 ± 0.000 χ^2/NDF : 10182174.6/95

- sign 0.021 ± 0.000 χ^2/NDF : 5606077.6/48

yield_bpm4aY_mean vs Slug



Right In: 0.694 $\pm$ 0.000 χ^2 /NDF: 4421992475.7/21

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.708 $\pm$ 0.000 χ^2 /NDF: 5399106523.1/25

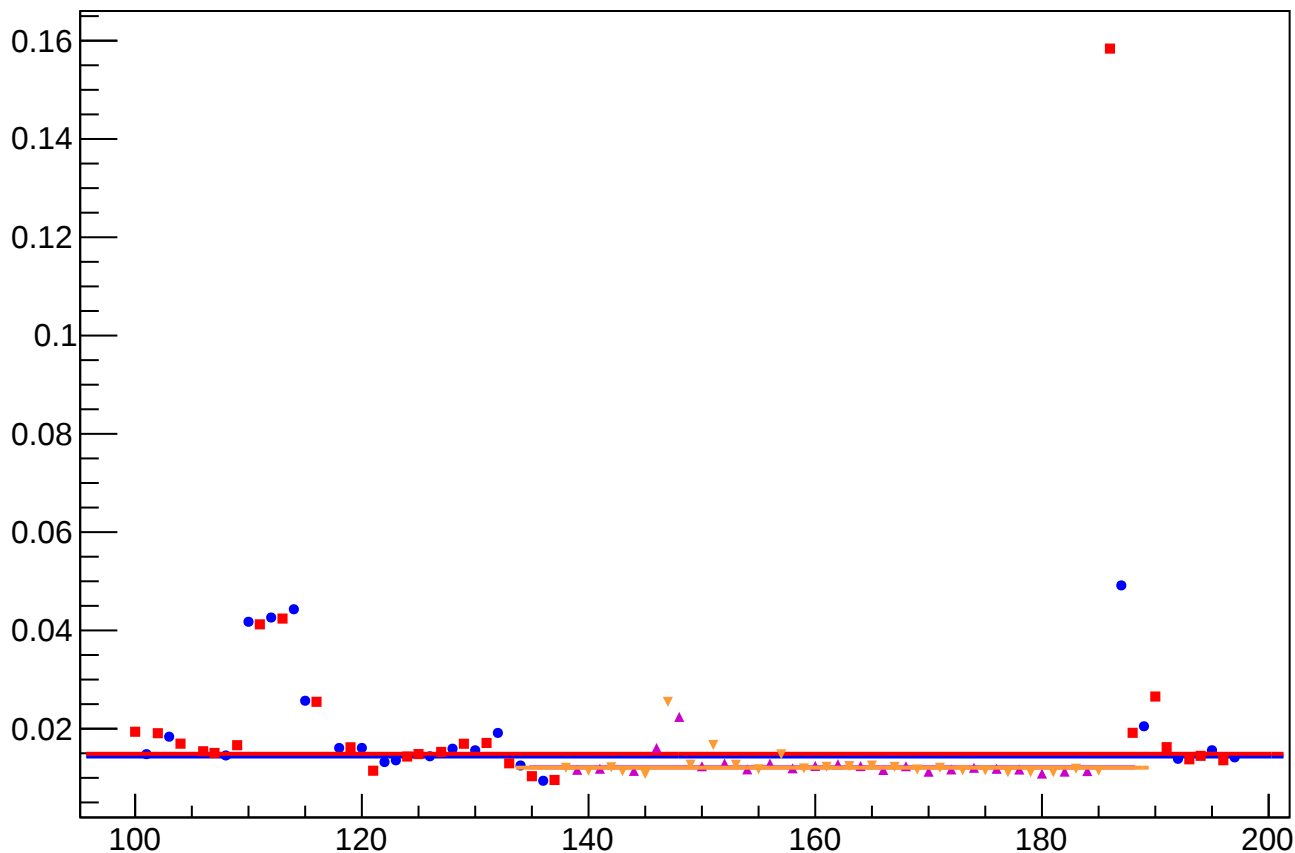
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.642 $\pm$ 0.000 χ^2 /NDF: 4570677234.4/46

All: 0.645 $\pm$ 0.000 χ^2 /NDF: 10191654134.2/9

- sign 0.648 $\pm$ 0.000 χ^2 /NDF: 5618645273.2/48

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1634799.5/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2072297.1/25

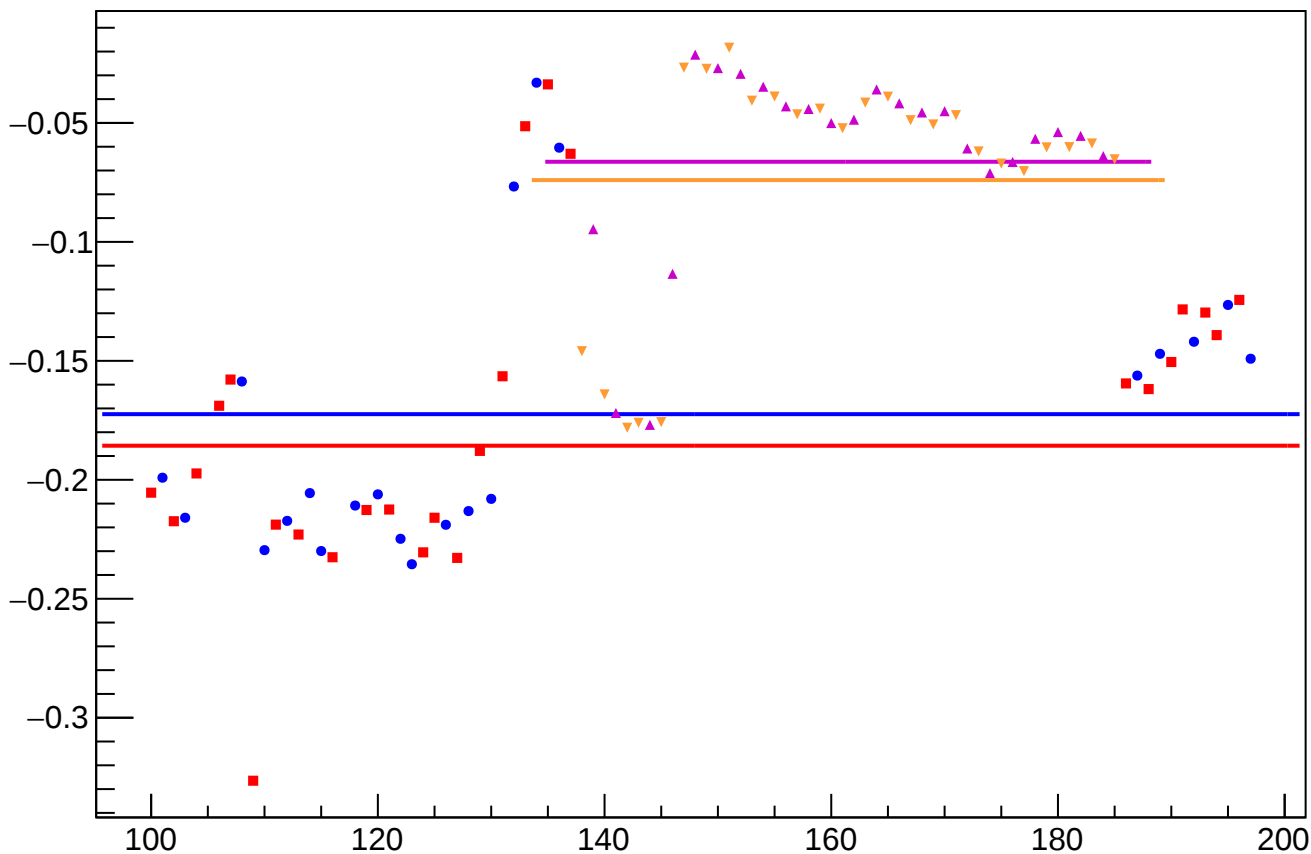
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2609435.4/46

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5655683.0/95

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3036329.8/48

yield_bpm4eX_mean vs Slug



Right In: -0.172+/-0.000 χ^2/NDF : 67486200.2/21

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.186+/-0.000 χ^2/NDF : 84118007.6/25

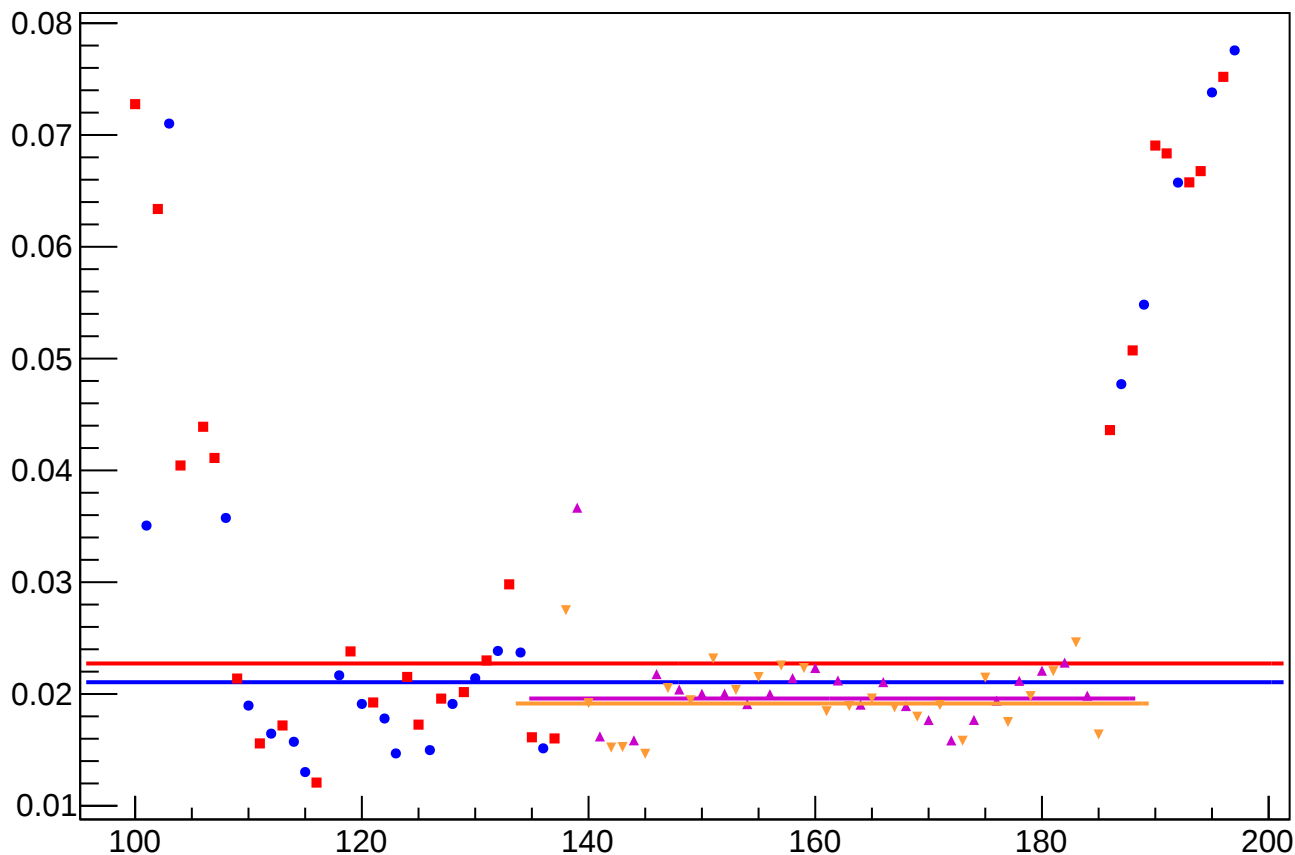
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100+/-0.000 χ^2/NDF : 279960545.2/46

All: -0.100+/-0.000 χ^2/NDF : 589062786.9/95

- sign -0.100+/-0.000 χ^2/NDF : 309102209.9/48

yield_bpm4eX_rms vs Slug



Right In: 0.021 $\pm$ 0.000 χ^2 /NDF: 4166131.4/21

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641277.0/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 4985849.4/25

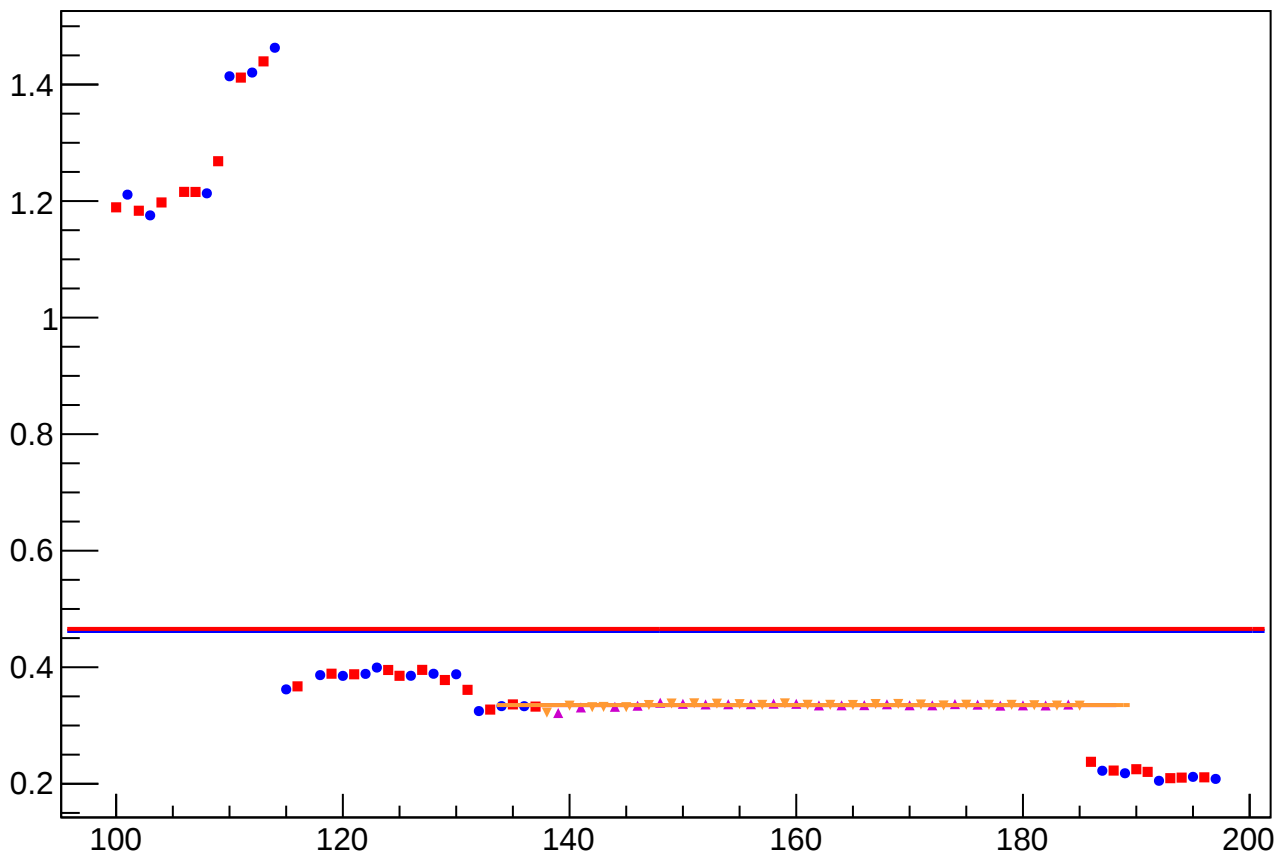
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:623148.2/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 4885954.2/46

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 10736739.5/95

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5814046.2/48

yield_bpm4eY_mean vs Slug



Right In: 0.462 $\pm$ 0.000 χ^2 /NDF: 6427688624.6/21

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1154310.3/24

+ sign 0.370 $\pm$ 0.000 χ^2 /NDF: 7057220286.0/46

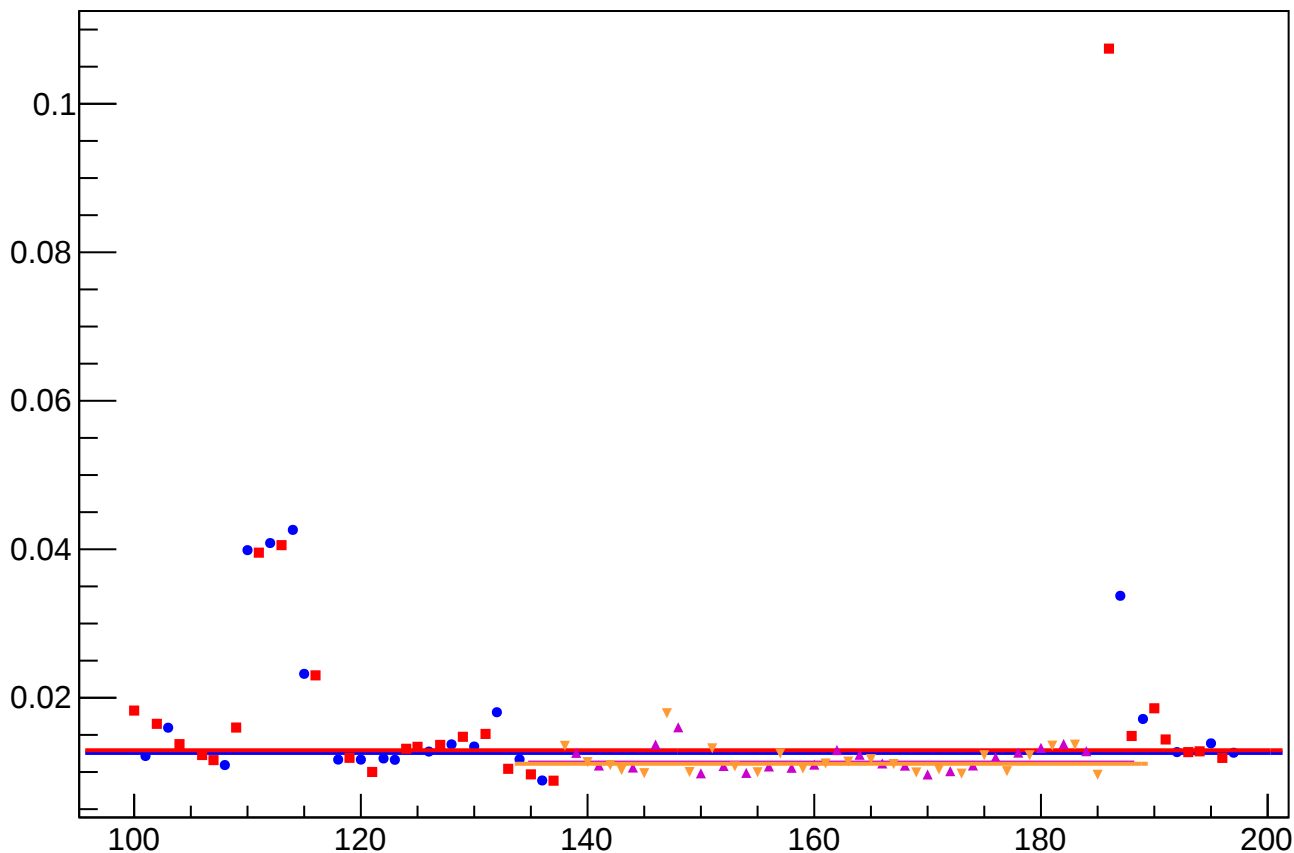
Right Out: 0.466 $\pm$ 0.000 χ^2 /NDF: 7544377029.0/25

All: 0.372 $\pm$ 0.000 χ^2 /NDF: 15283677652.4/9

- sign 0.375 $\pm$ 0.000 χ^2 /NDF: 8224123378.5/48

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1507150.5/21

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:607532.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1931831.8/25

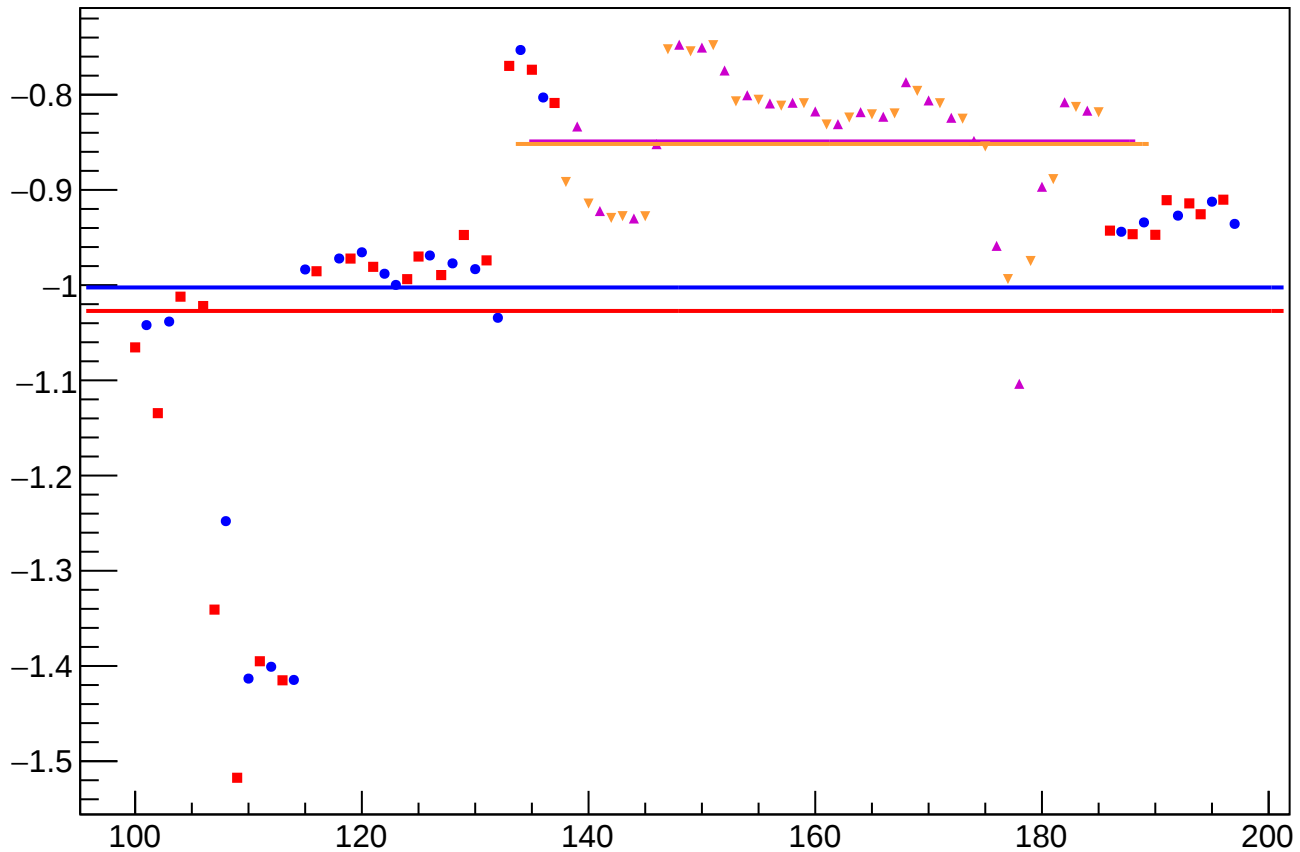
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502455.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2280900.5/46

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4946284.9/95

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2652008.8/48

yield_bpm4acX_mean vs Slug



Right In: -1.002 ± 0.000 χ^2/NDF : 397790482.9/21

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.027 ± 0.000 χ^2/NDF : 547871541.9/25

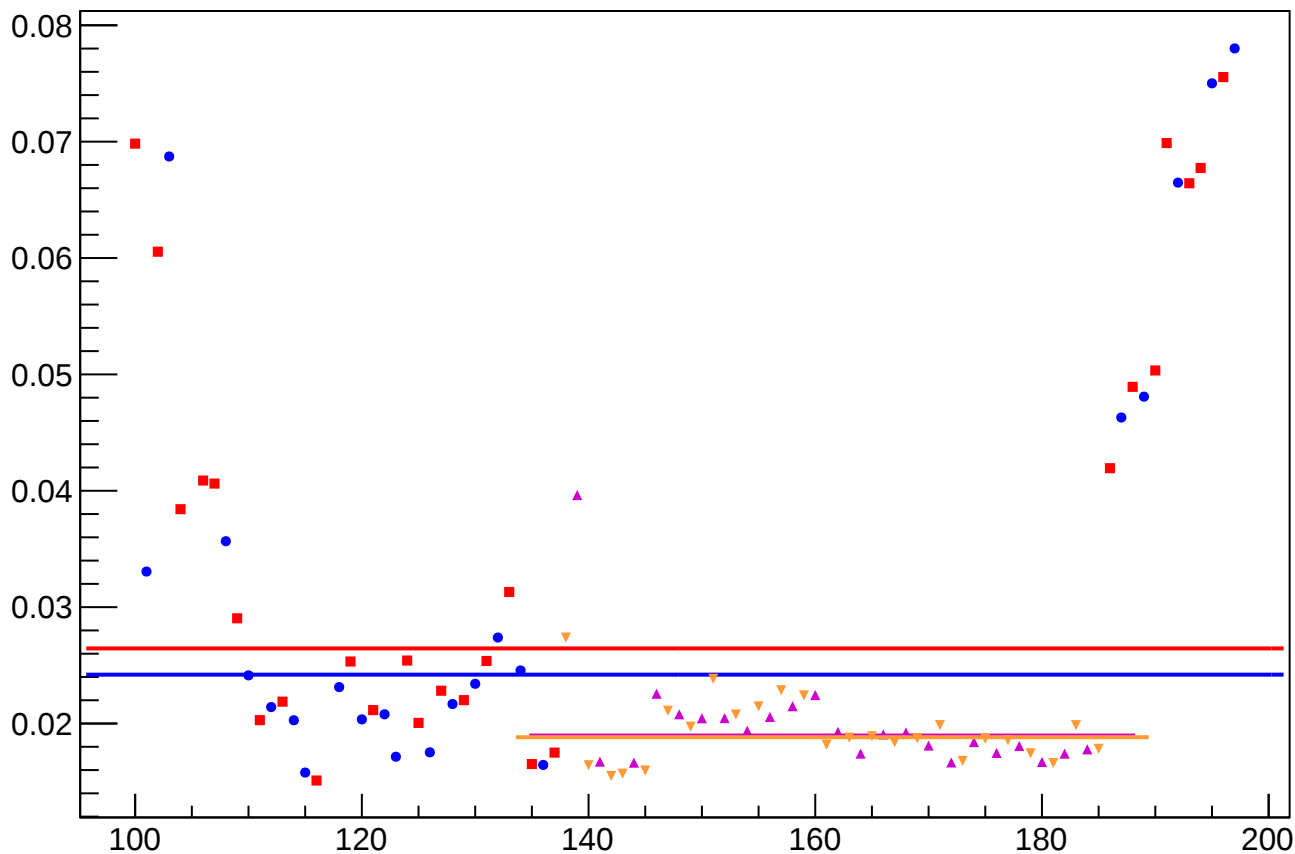
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.884 ± 0.000 χ^2/NDF : 793230742.2/46

All: -0.887 ± 0.000 χ^2/NDF : 1877152769.1/9

- sign -0.889 ± 0.000 χ^2/NDF : 1083270319.3/48

yield_bpm4acX_rms vs Slug



Right In: 0.024 ± 0.000 χ^2/NDF : 3538958.8/21

Left Out: 0.019 ± 0.000 χ^2/NDF : 490509.4/24

Right Out: 0.026 ± 0.000 χ^2/NDF : 3982523.7/25

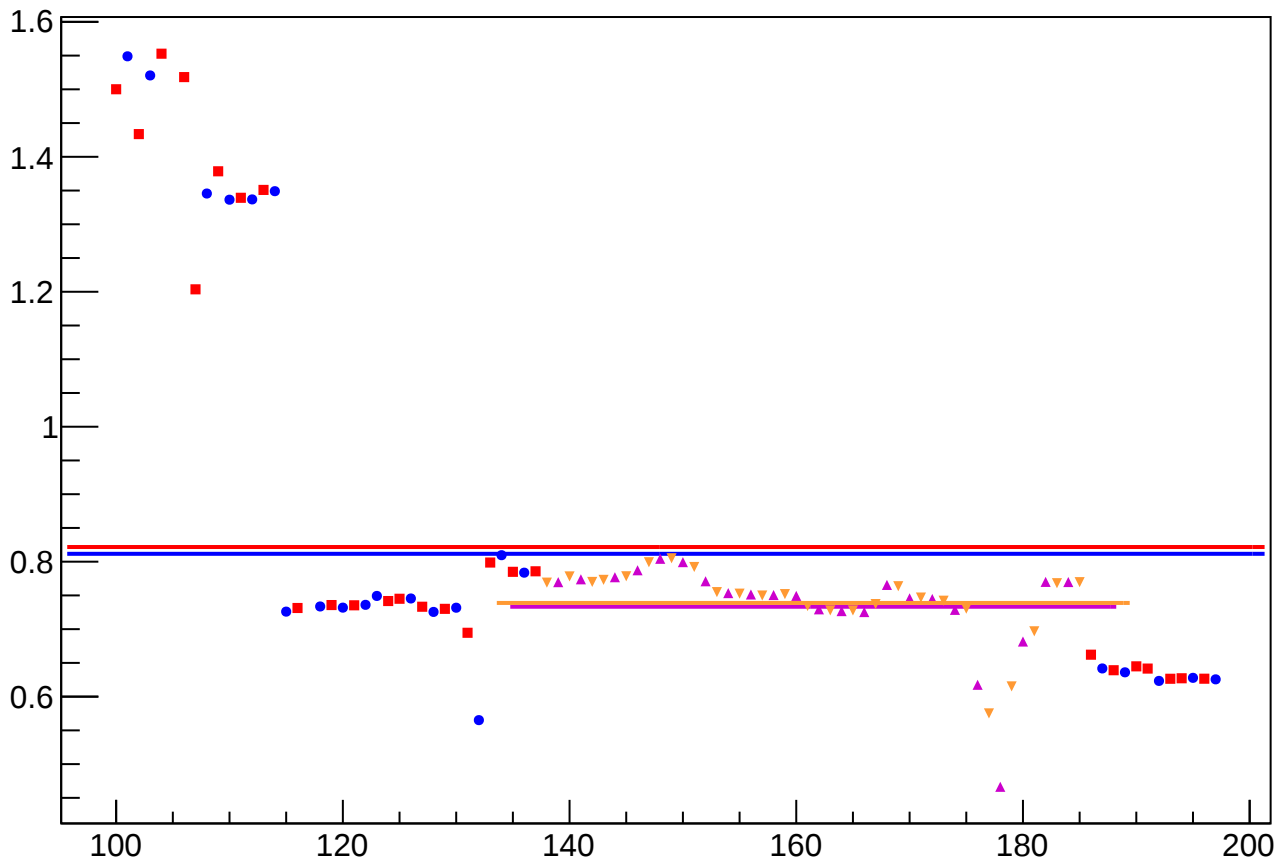
Left In: 0.019 ± 0.000 χ^2/NDF : 615173.8/22

+ sign 0.020 ± 0.000 χ^2/NDF : 4554760.7/46

All: 0.020 ± 0.000 χ^2/NDF : 10163345.5/95

- sign 0.021 ± 0.000 χ^2/NDF : 5584947.9/48

yield_bpm4acY_mean vs Slug



Right In: 0.812 $\pm$ 0.000 χ^2 /NDF: 3011744875.0/21

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

Right Out: 0.822 $\pm$ 0.000 χ^2 /NDF: 3302096810.6/25

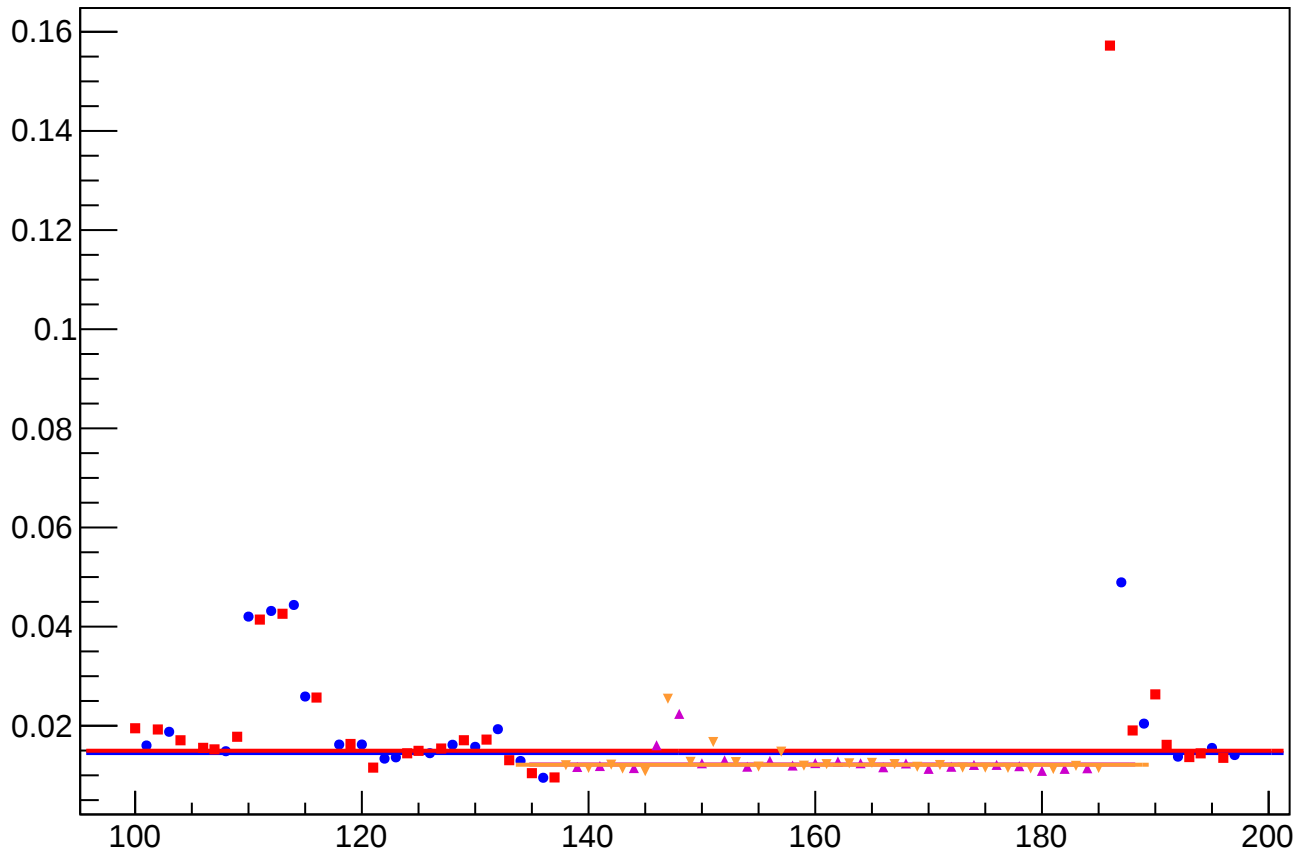
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

+ sign 0.757 $\pm$ 0.000 χ^2 /NDF: 3503720534.1/46

All: 0.757 $\pm$ 0.000 χ^2 /NDF: 7617291242.0/95

- sign 0.758 $\pm$ 0.000 χ^2 /NDF: 4113555343.1/48

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1635830.6/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2075284.4/25

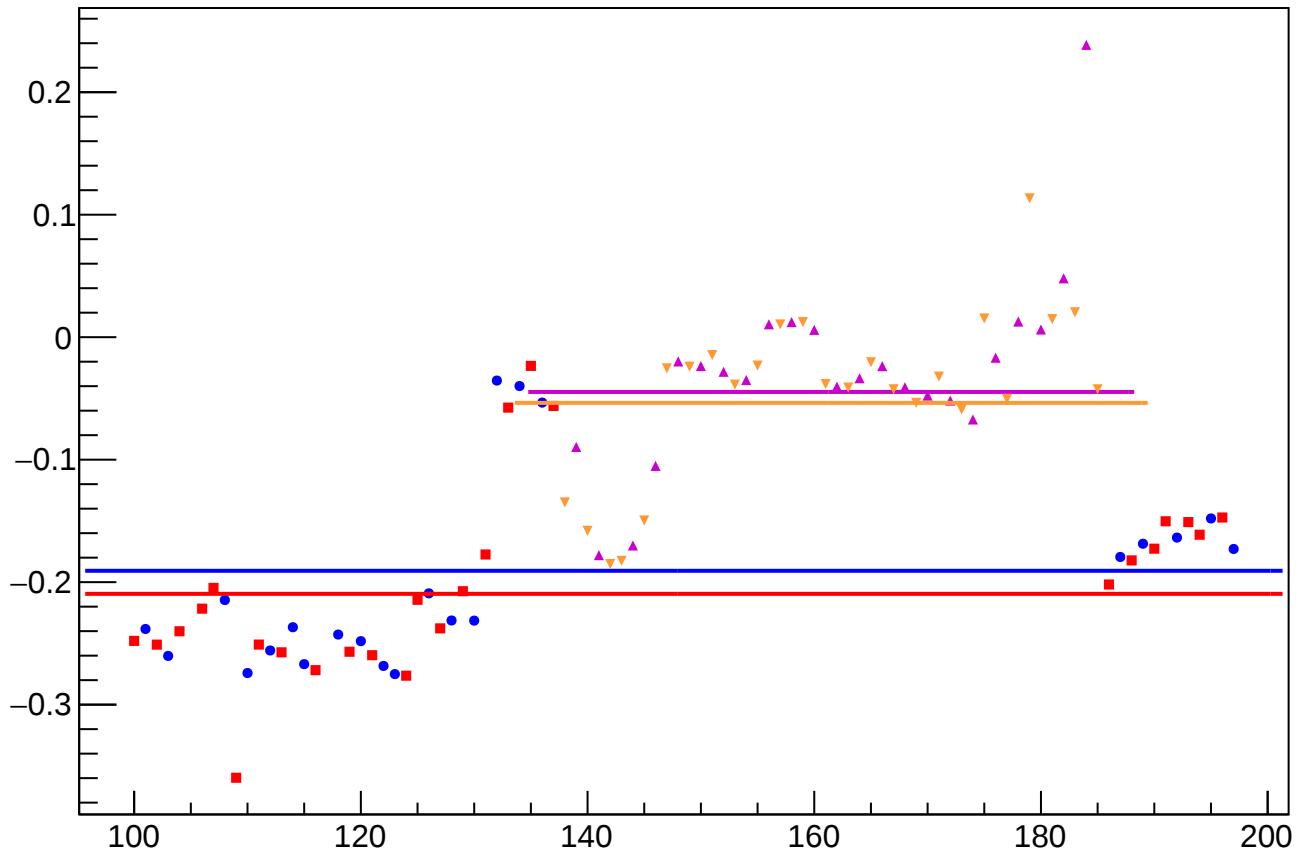
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2605187.6/46

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5644958.3/95

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3031859.7/48

yield_bpm4ecX_mean vs Slug



Right In: -0.191 ± 0.000 $\chi^2/\text{NDF}: 106750231.5/21$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167834173.6/24$

Right Out: -0.210 ± 0.000 $\chi^2/\text{NDF}: 112676801.9/25$

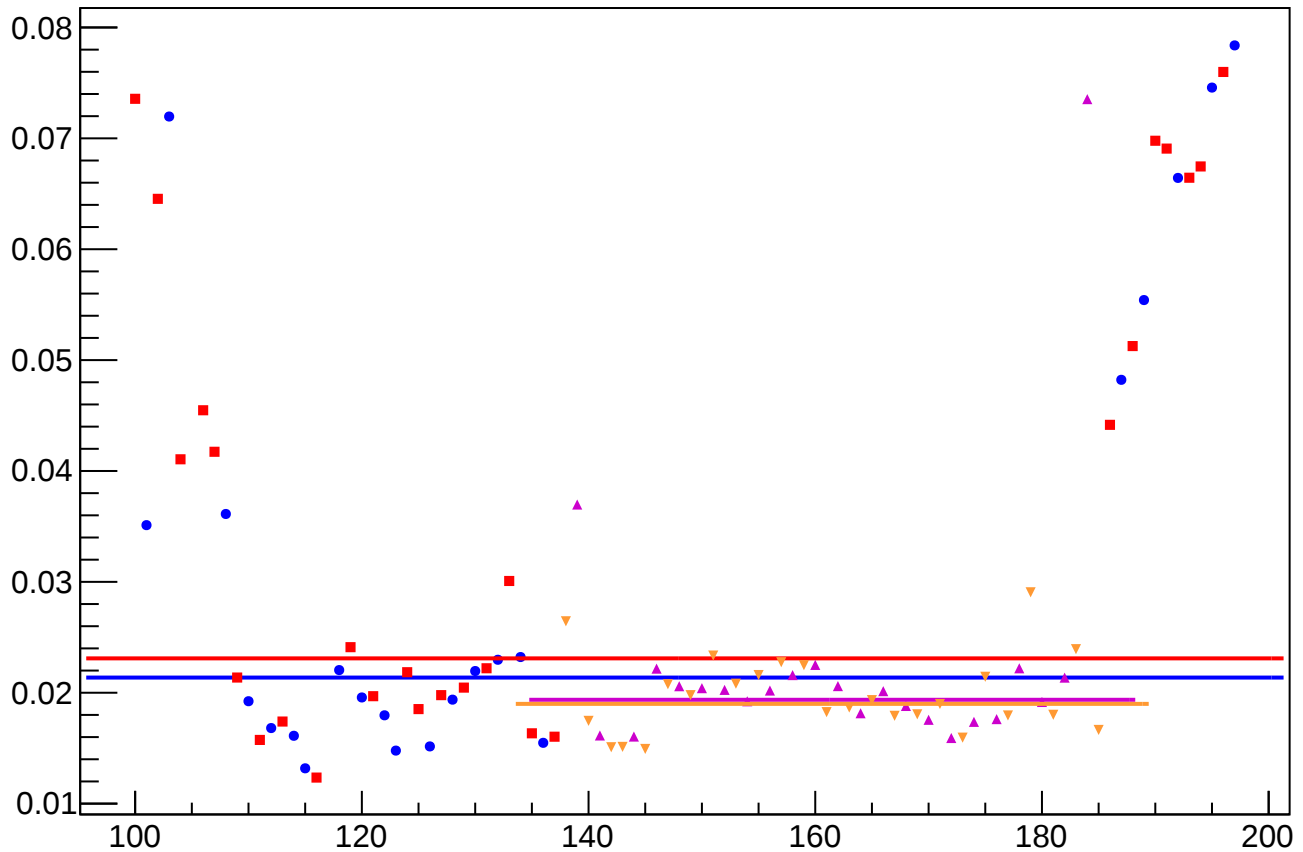
Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127192425.2/22$

+ sign -0.089 ± 0.000 $\chi^2/\text{NDF}: 473084469.1/46$

All: -0.090 ± 0.000 $\chi^2/\text{NDF}: 989858657.6/95$

- sign -0.090 ± 0.000 $\chi^2/\text{NDF}: 516758499.6/48$

yield_bpm4ecX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 4126580.8/21

Left Out: 0.019+/-0.000 χ^2/NDF : 700229.7/24

Right Out: 0.023+/-0.000 χ^2/NDF : 4957836.4/25

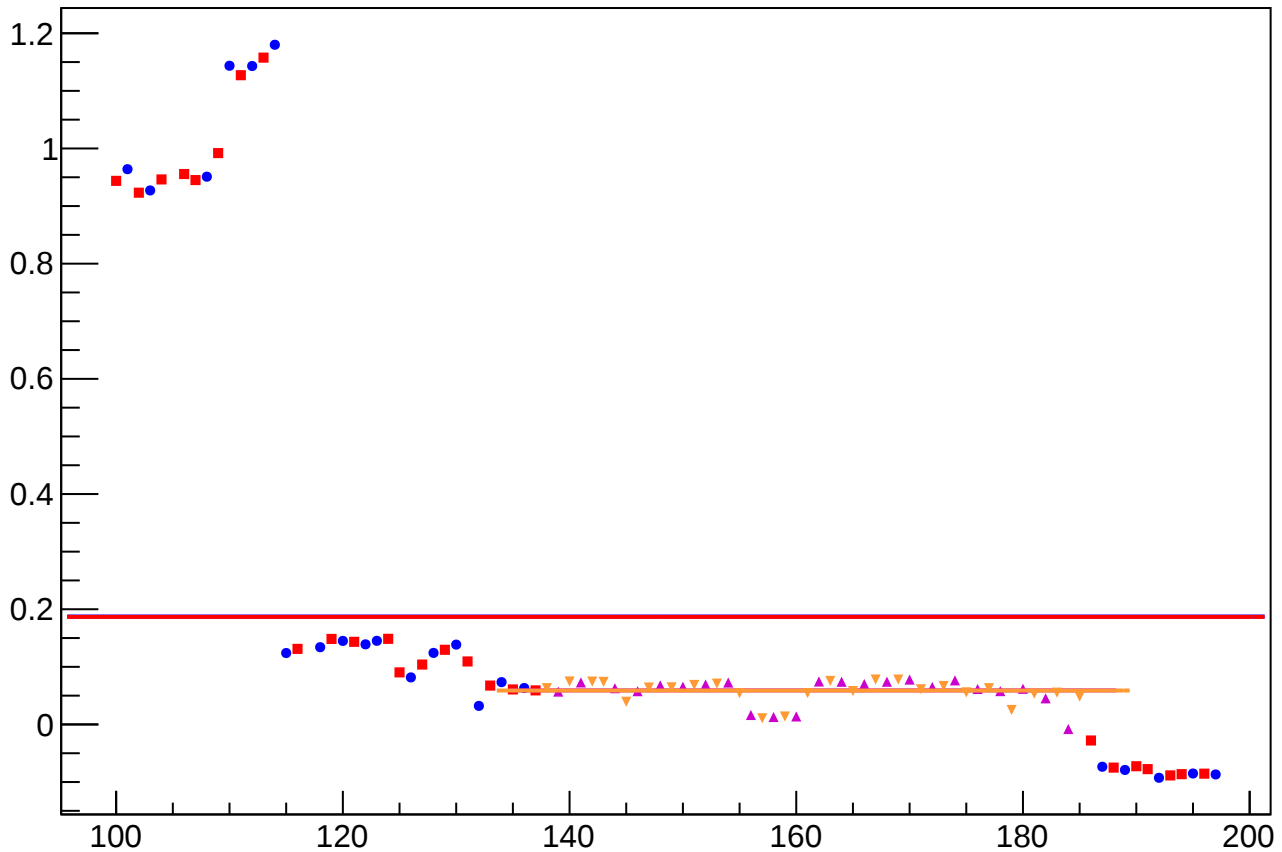
Left In: 0.019+/-0.000 χ^2/NDF : 858216.8/22

+ sign 0.020+/-0.000 χ^2/NDF : 4945742.7/46

All: 0.020+/-0.000 χ^2/NDF : 11078166.1/95

- sign 0.020+/-0.000 χ^2/NDF : 6100294.8/48

yield_bpm4ecY_mean vs Slug



Right In: 0.187+/-0.000 χ^2/NDF : 6850301976.0/21

Left Out: 0.059+/-0.000 χ^2/NDF : 46821236.8/24

Right Out: 0.187+/-0.000 χ^2/NDF : 7866633436.7/25

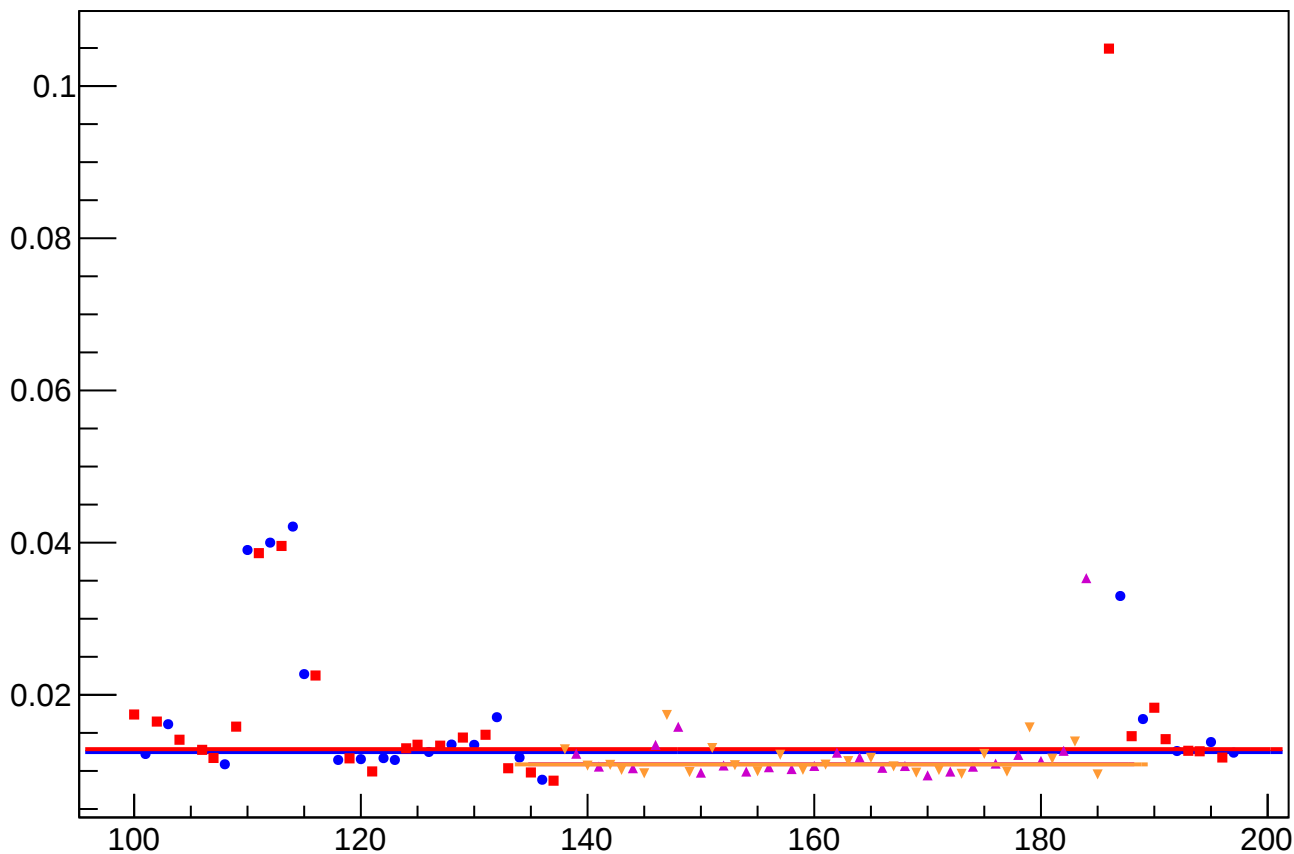
Left In: 0.059+/-0.000 χ^2/NDF : 58518655.0/22

+ sign 0.094+/-0.000 χ^2/NDF : 7549802951.0/46

All: 0.096+/-0.000 χ^2/NDF : 16136194382.5/95

- sign 0.097+/-0.000 χ^2/NDF : 8585494322.4/48

yield_bpm4ecY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1474014.4/21

Left Out: 0.011 ± 0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 1887697.7/25

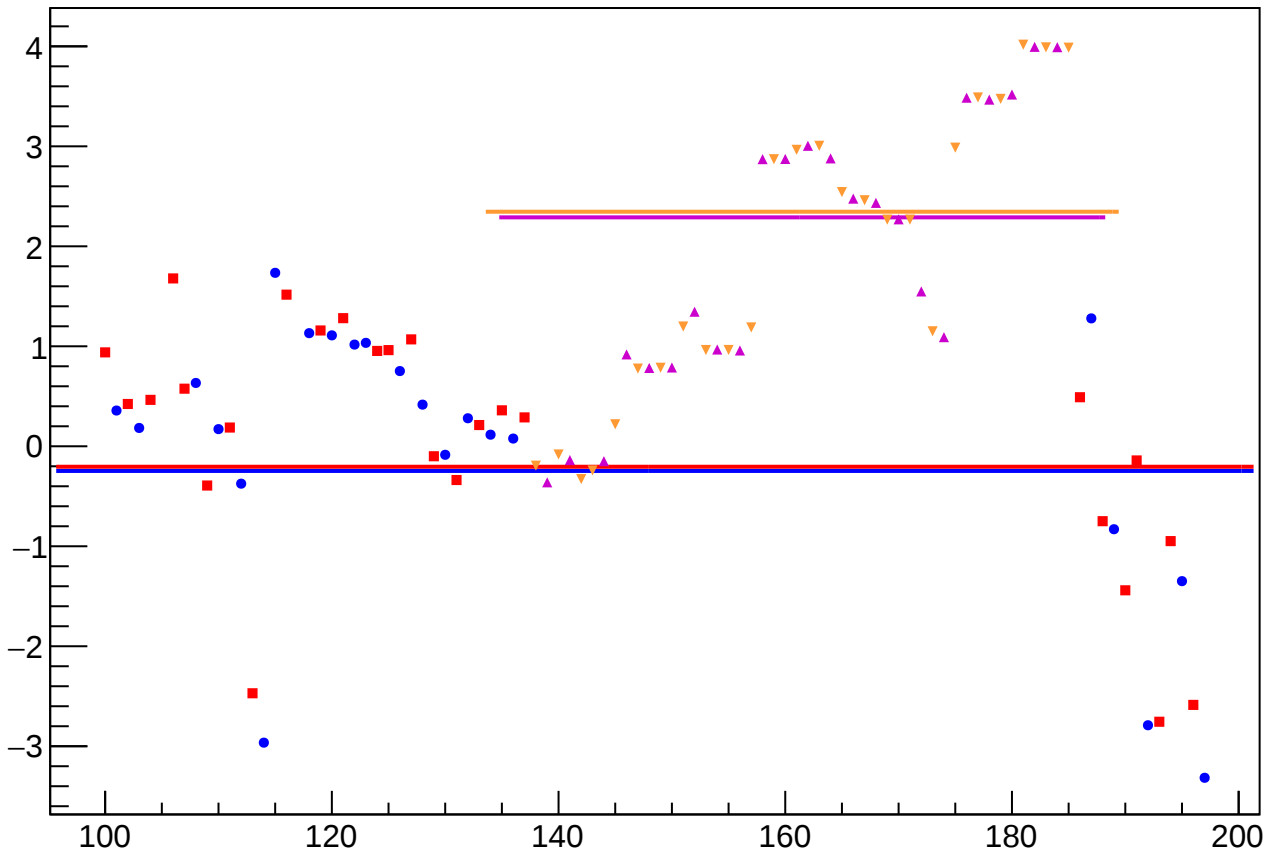
Left In: 0.011 ± 0.000 χ^2/NDF : 530077.5/22

+ sign 0.011 ± 0.000 χ^2/NDF : 2286379.1/46

All: 0.011 ± 0.000 χ^2/NDF : 5025308.9/95

- sign 0.011 ± 0.000 χ^2/NDF : 2733013.1/48

yield_bpm1X_mean vs Slug



Right In: -0.247 ± 0.000 χ^2/NDF : 3956714095.5/21

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.205 ± 0.000 χ^2/NDF : 4162544151.4/25

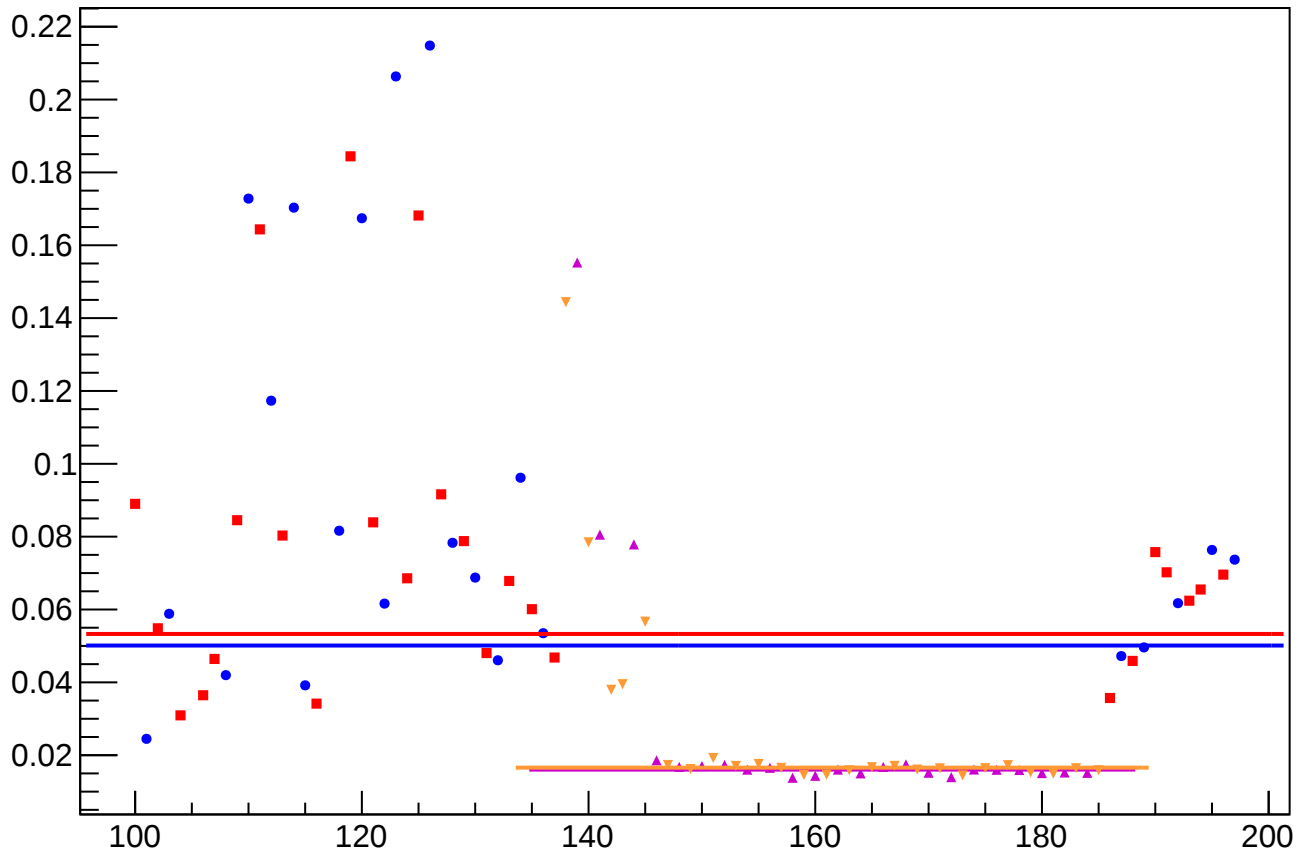
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.226 ± 0.000 χ^2/NDF : 83261584365.0/46

All: 2.194 ± 0.000 χ^2/NDF : 164731326677.6

- sign 2.163 ± 0.000 χ^2/NDF : 81362974633.8/48

yield_bpm1X_rms vs Slug



Right In: 0.050 $\pm$ 0.000 χ^2 /NDF: 3307498.2/21

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2633732.6/25

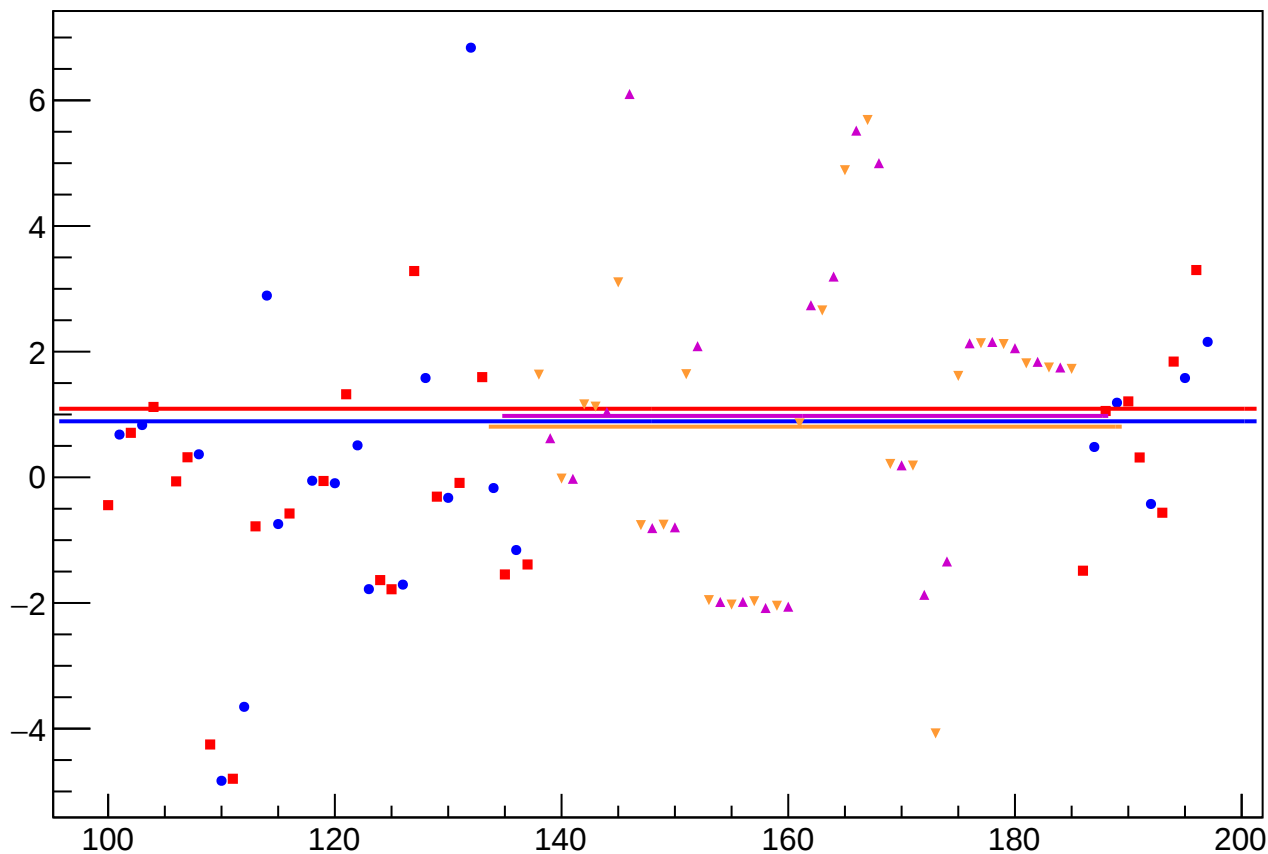
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 11219684.8/46

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 23528236.4/95

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 12306343.6/48

yield_bpm1Y_mean vs Slug



Right In: 0.891 ± 0.000 χ^2/NDF : 18369626144.8/21

Left Out: 0.806 ± 0.000 χ^2/NDF : 507578952196.2/24

Right Out: 1.091 ± 0.000 χ^2/NDF : 22508660052.5/25

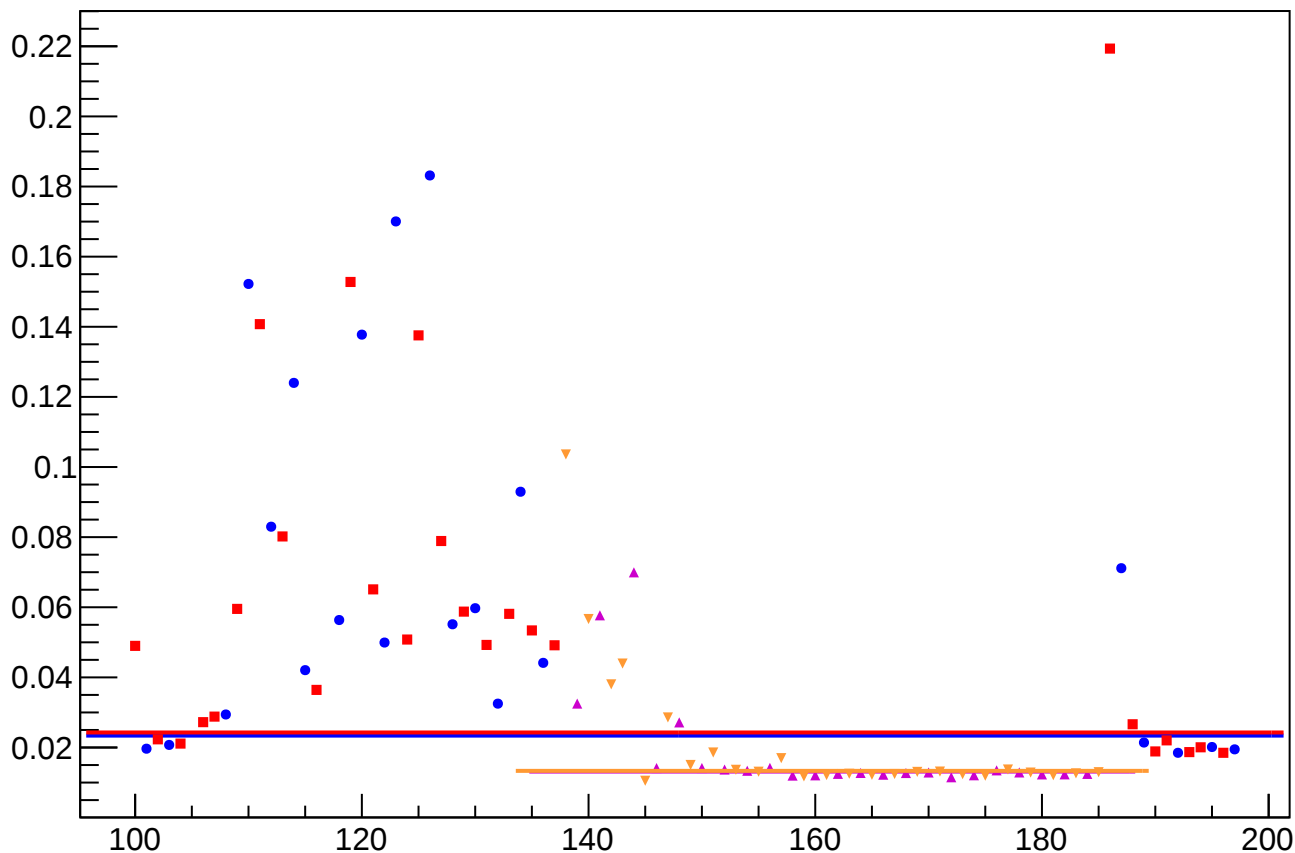
Left In: 0.977 ± 0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.815 ± 0.000 χ^2/NDF : 526016568175.2/46

All: 0.904 ± 0.000 χ^2/NDF : 1118341454628.

- sign 0.991 ± 0.000 χ^2/NDF : 590848817502.1/48

yield_bpm1Y_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 3648425.0/21

Left Out: 0.013+/-0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.024+/-0.000 χ^2/NDF : 4550994.3/25

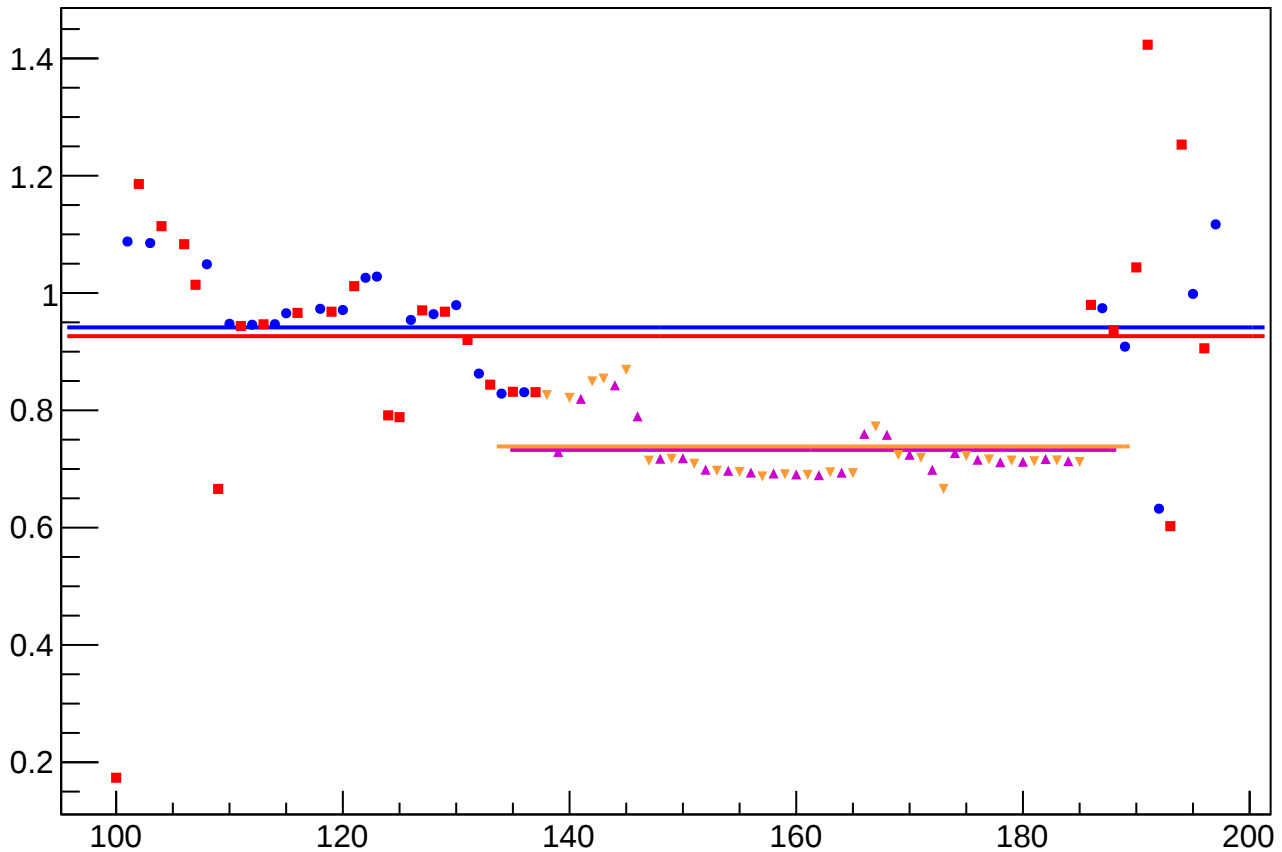
Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

+ sign 0.014+/-0.000 χ^2/NDF : 8360935.8/46

All: 0.014+/-0.000 χ^2/NDF : 17355318.9/95

- sign 0.014+/-0.000 χ^2/NDF : 8994370.7/48

yield_bpm11X_mean vs Slug



Right In: 0.941 ± 0.000 χ^2/NDF : 312416196.5/21

Left Out: 0.738 ± 0.000 χ^2/NDF : 310195180.4/24

Right Out: 0.926 ± 0.000 χ^2/NDF : 660832067.4/25

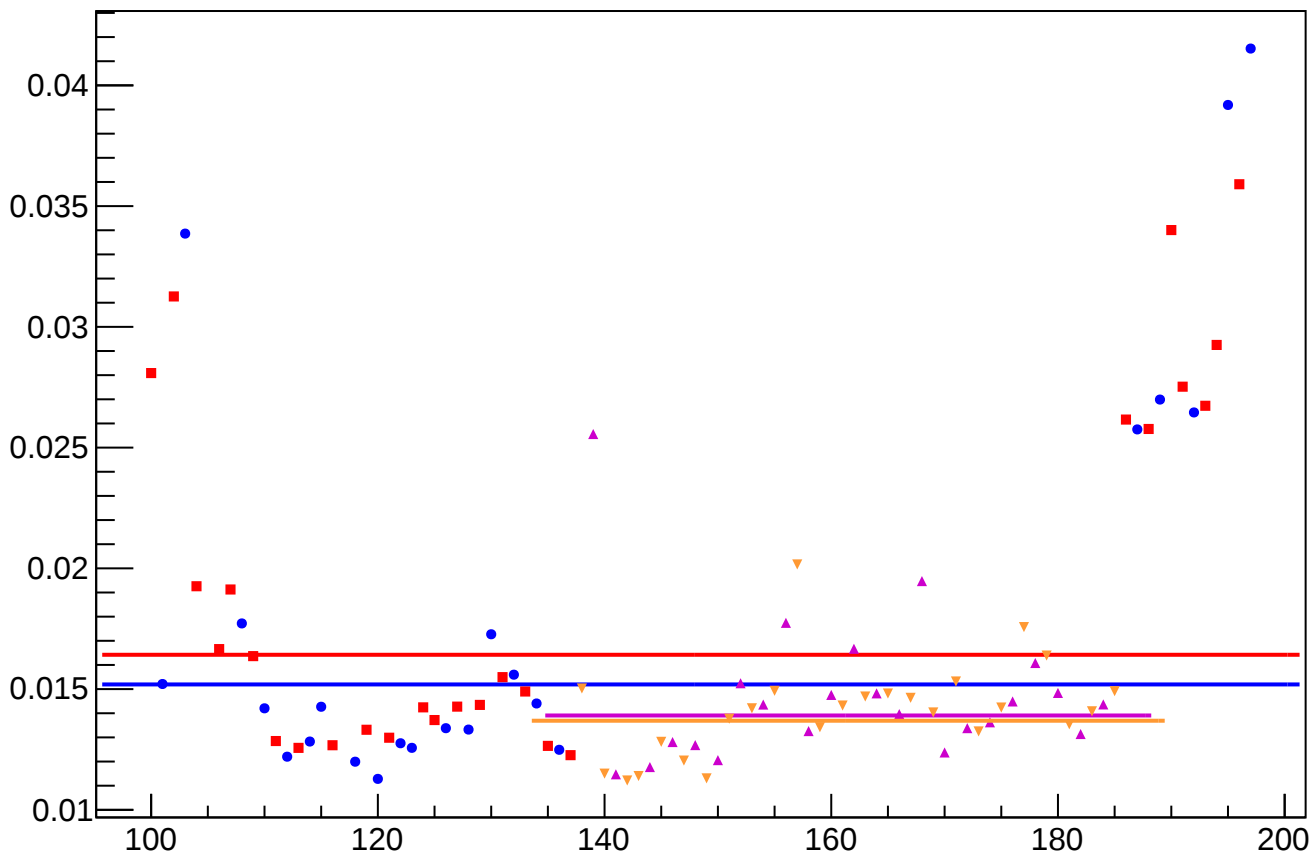
Left In: 0.733 ± 0.000 χ^2/NDF : 170102394.7/22

+ sign 0.796 ± 0.000 χ^2/NDF : 1623566223.7/46

All: 0.793 ± 0.000 χ^2/NDF : 3354791092.1/95

- sign 0.791 ± 0.000 χ^2/NDF : 1729832440.2/48

yield_bpm11X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 2310656.6/21

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.016+/-0.000 χ^2/NDF : 2260514.7/25

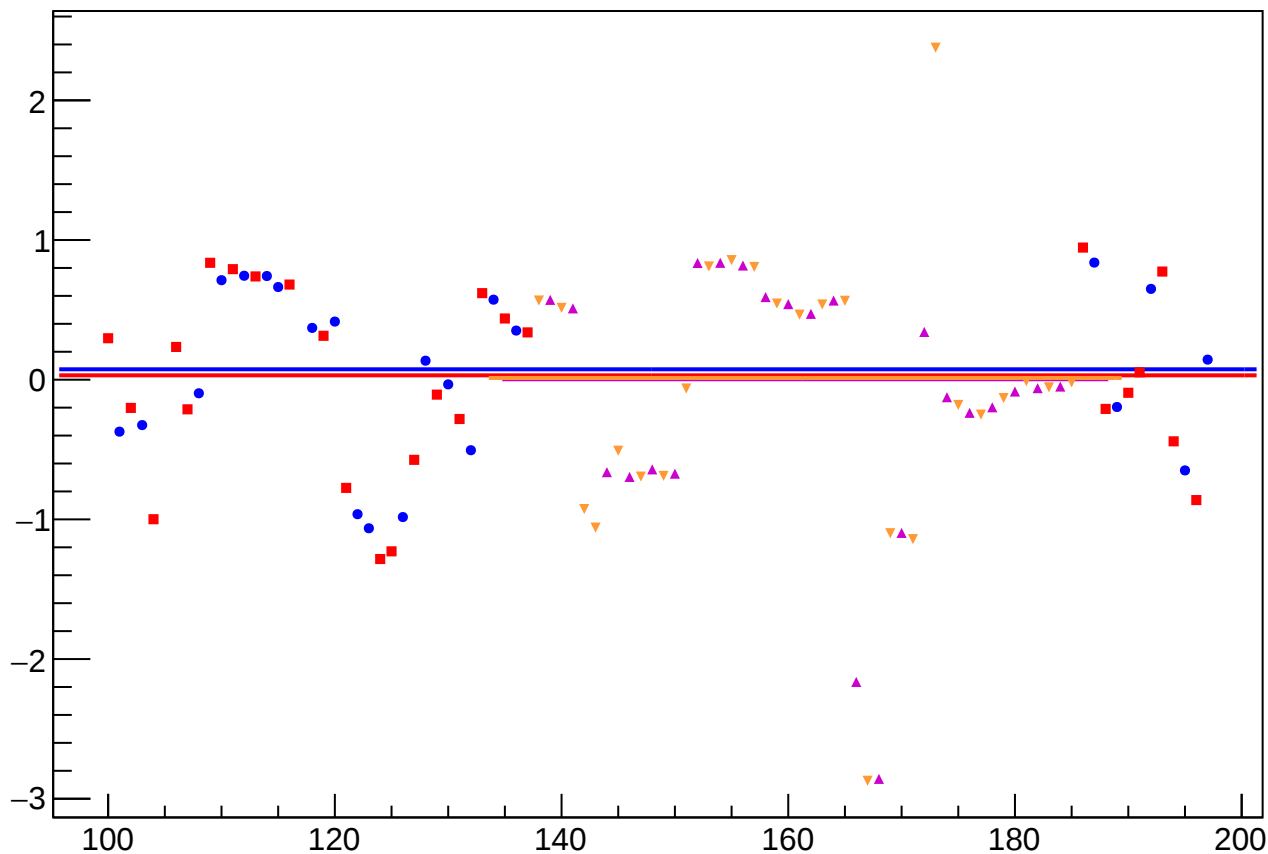
Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

+ sign 0.014+/-0.000 χ^2/NDF : 2948850.6/46

All: 0.014+/-0.000 χ^2/NDF : 6314895.3/95

- sign 0.015+/-0.000 χ^2/NDF : 3330999.6/48

yield_bpm11Y_mean vs Slug



Right In: 0.074 $\pm$ 0.000 χ^2 /NDF: 12272454730.4/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 96383858927.1/24

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 22625150459.7/25

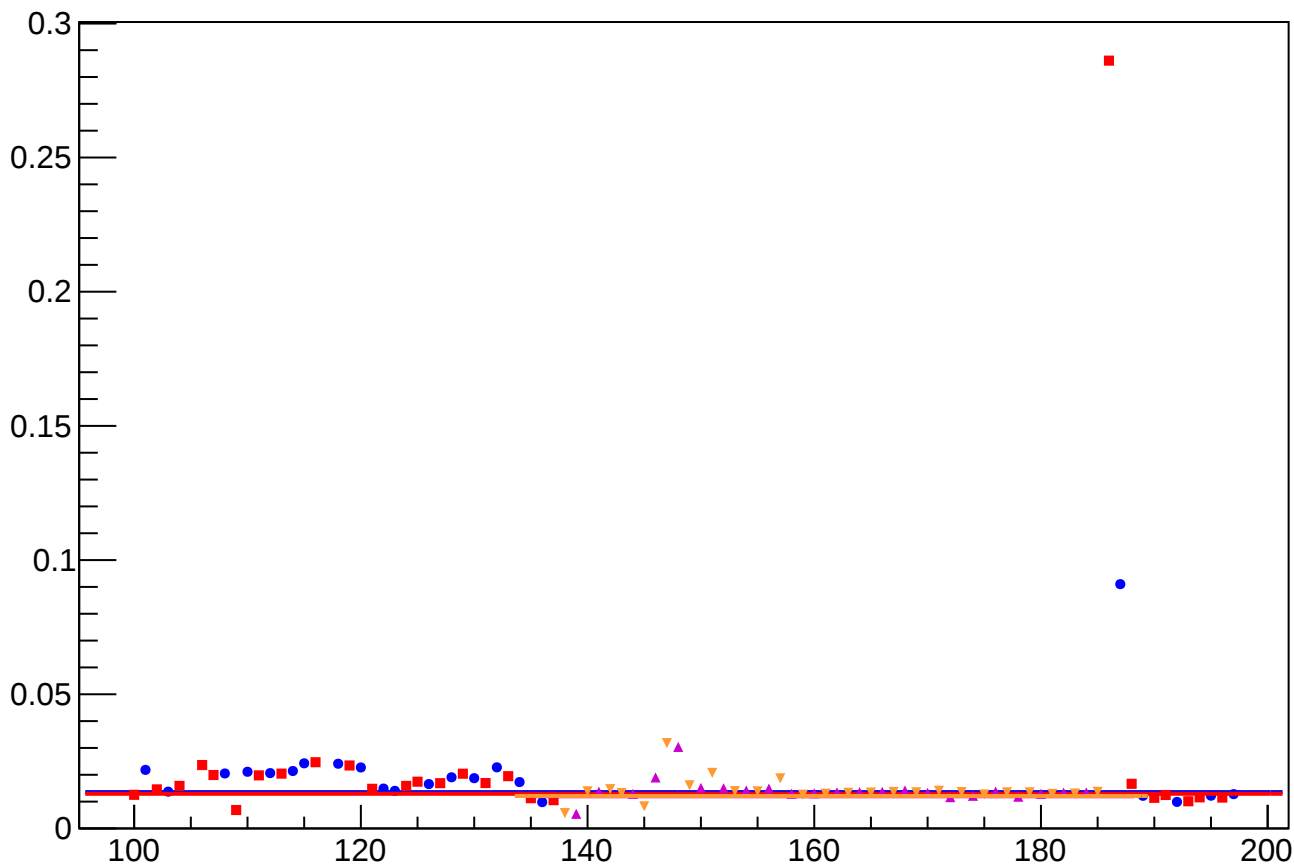
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 78826489573.0/22

+ sign 0.030 $\pm$ 0.000 χ^2 /NDF: 108776551050.9/46

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 210279796385.3

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 101479423757.0/48

yield_bpm11Y_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1805928.0/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2479343.7/25

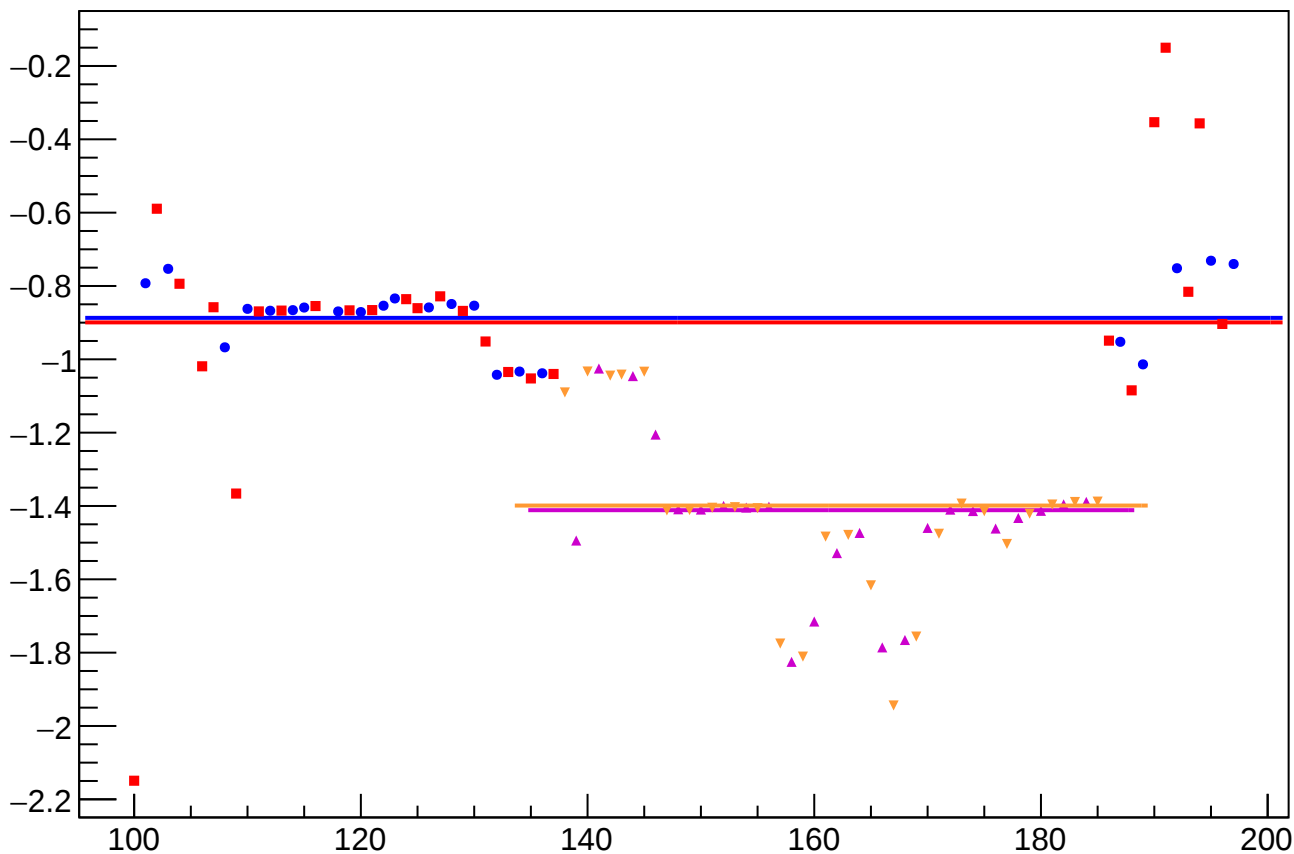
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5040777.6/46

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10590153.9/95

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5542431.6/48

yield_bpm12X_mean vs Slug



Right In: -0.887 ± 0.000 χ^2/NDF : 48941004.4/21

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.899 ± 0.000 χ^2/NDF : 242360450.1/25

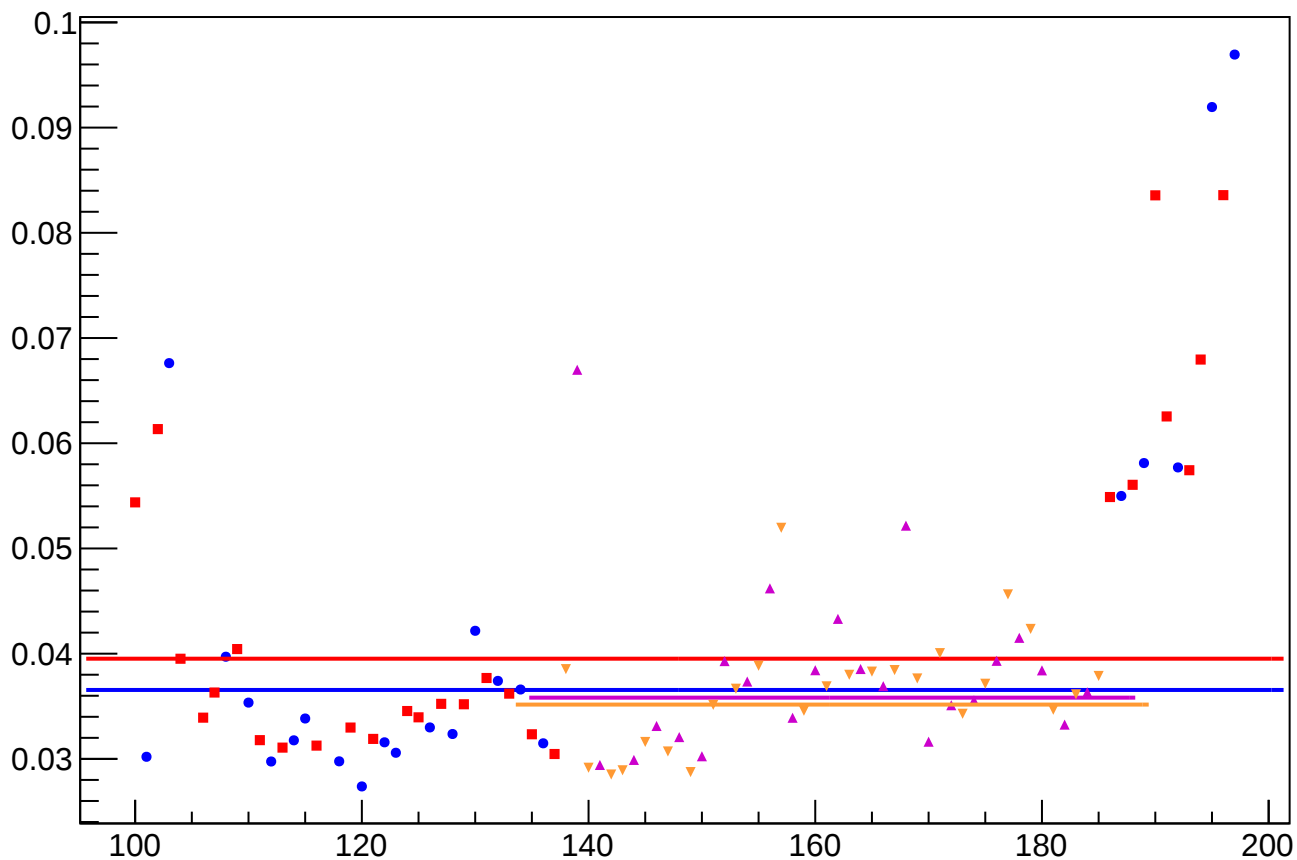
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.238 ± 0.000 χ^2/NDF : 1855923861.0/46

All: -1.239 ± 0.000 χ^2/NDF : 3660212607.1/9

- sign -1.239 ± 0.000 χ^2/NDF : 1804266466.6/48

yield_bpm12X_rms vs Slug



Right In: 0.037 $\pm$ 0.000 χ^2 /NDF: 1984841.8/21

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 595219.5/24

Right Out: 0.040 $\pm$ 0.000 χ^2 /NDF: 1762449.5/25

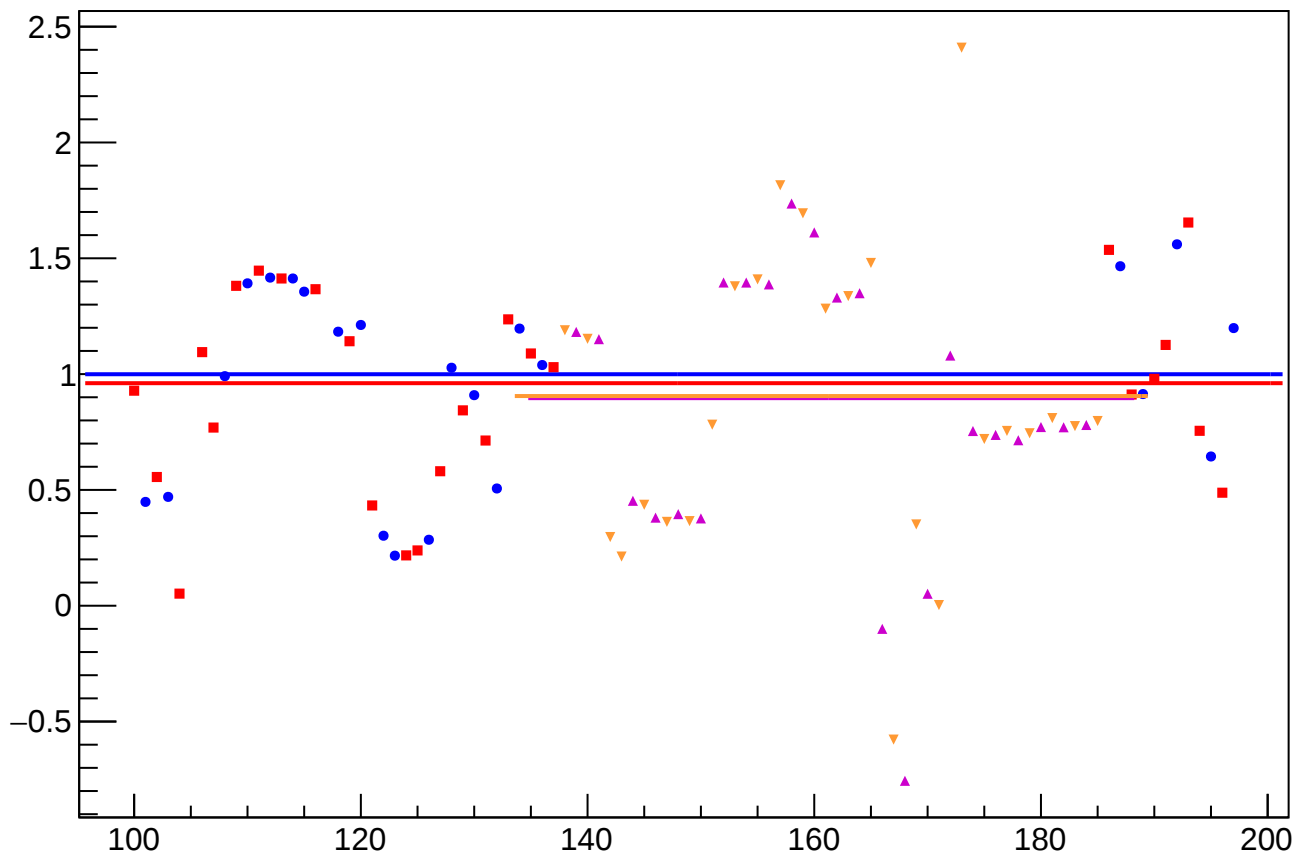
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 864147.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 2595820.9/46

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 5371689.1/95

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 2736304.6/48

yield_bpm12Y_mean vs Slug



Right In: 0.999 $\pm$ 0.000 χ^2 /NDF: 14278678737.9/21

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 0.961 $\pm$ 0.000 χ^2 /NDF: 19193483159.6/25

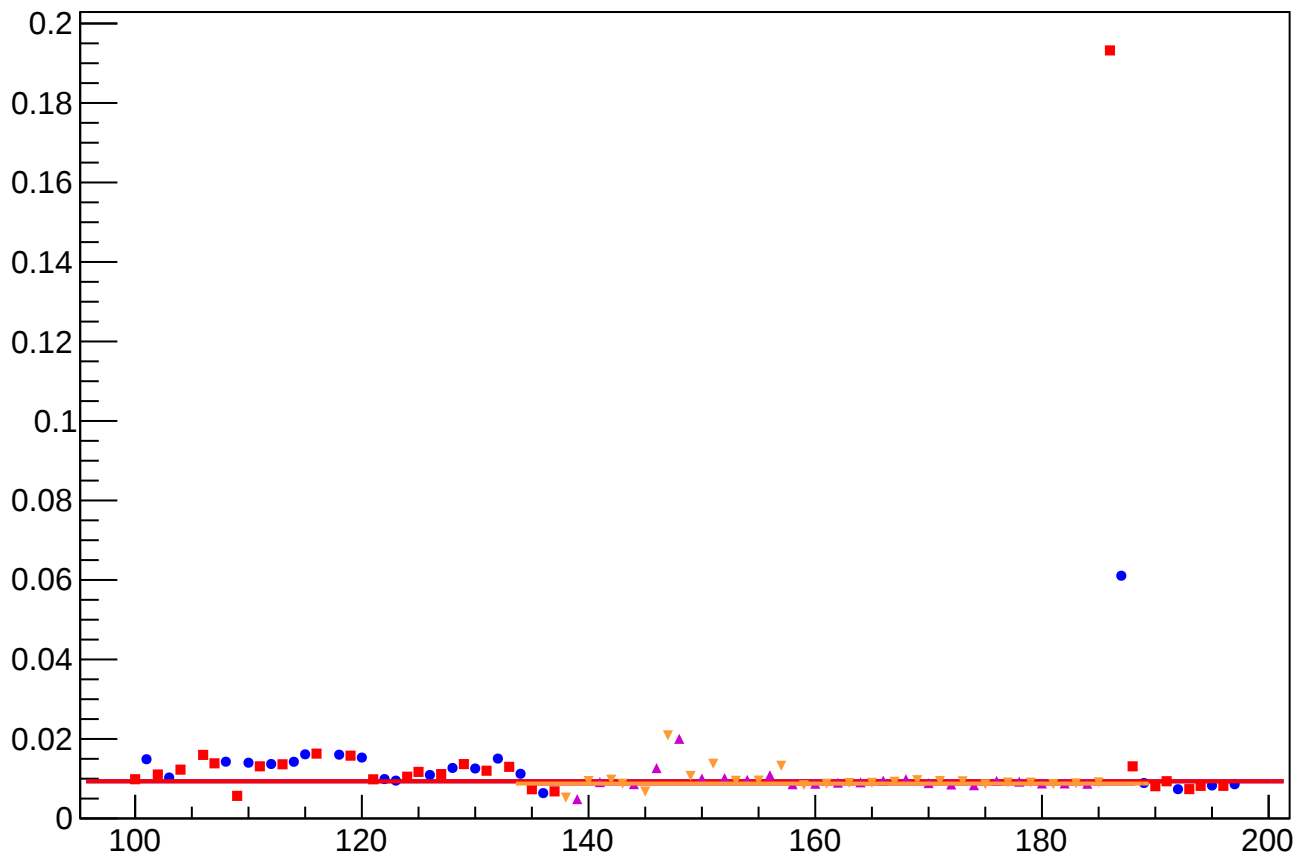
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.933 $\pm$ 0.000 χ^2 /NDF: 99125828083.7/46

All: 0.926 $\pm$ 0.000 χ^2 /NDF: 185239454674.2

- sign 0.918 $\pm$ 0.000 χ^2 /NDF: 86076550312.9/48

yield_bpm12Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1694404.9/21

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1697568.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2154518.6/25

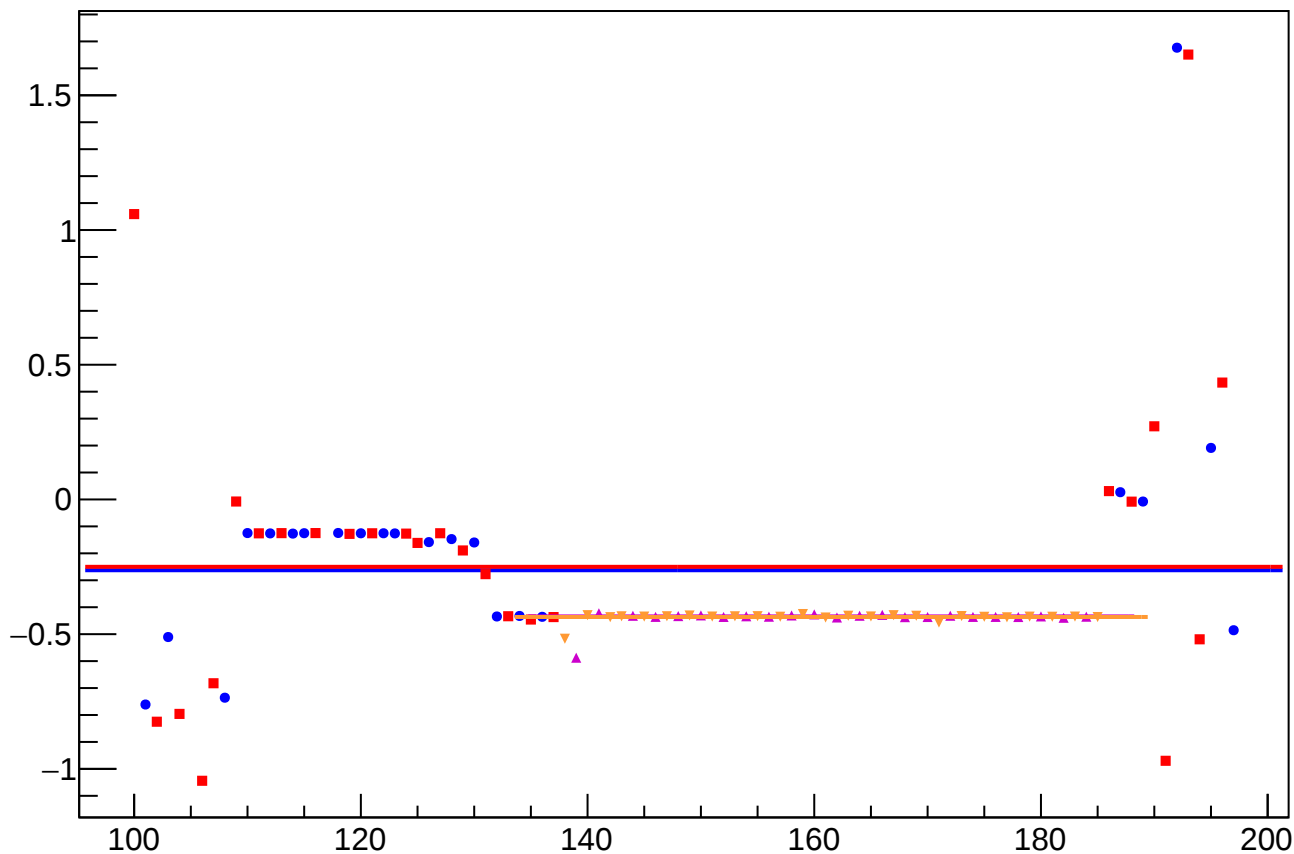
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3433642.1/46

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7242010.5/95

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3808248.0/48

yield_bpm16X_mean vs Slug



Right In: -0.263+/-0.000 χ^2/NDF : 1897822852.1/21

Left Out: -0.436+/-0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.250+/-0.000 χ^2/NDF : 1835687853.2/25

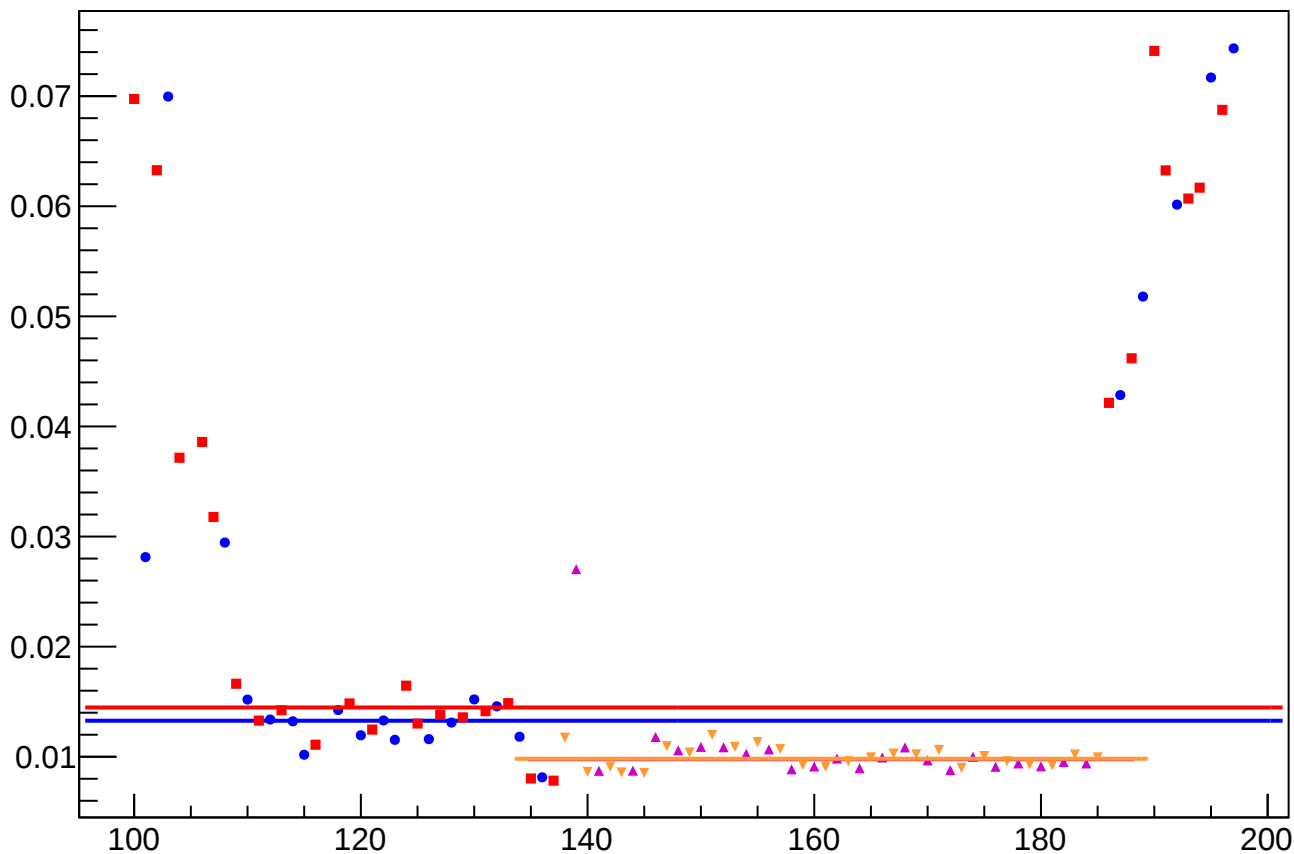
Left In: -0.434+/-0.000 χ^2/NDF : 23984173.0/22

+ sign -0.407+/-0.000 χ^2/NDF : 2746116043.5/46

All: -0.405+/-0.000 χ^2/NDF : 5481225077.5/9

- sign -0.403+/-0.000 χ^2/NDF : 2733460983.9/48

yield_bpm16X_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 5465274.0/21

Left Out: 0.010 ± 0.000 χ^2/NDF : 269242.6/24

Right Out: 0.014 ± 0.000 χ^2/NDF : 6658285.3/25

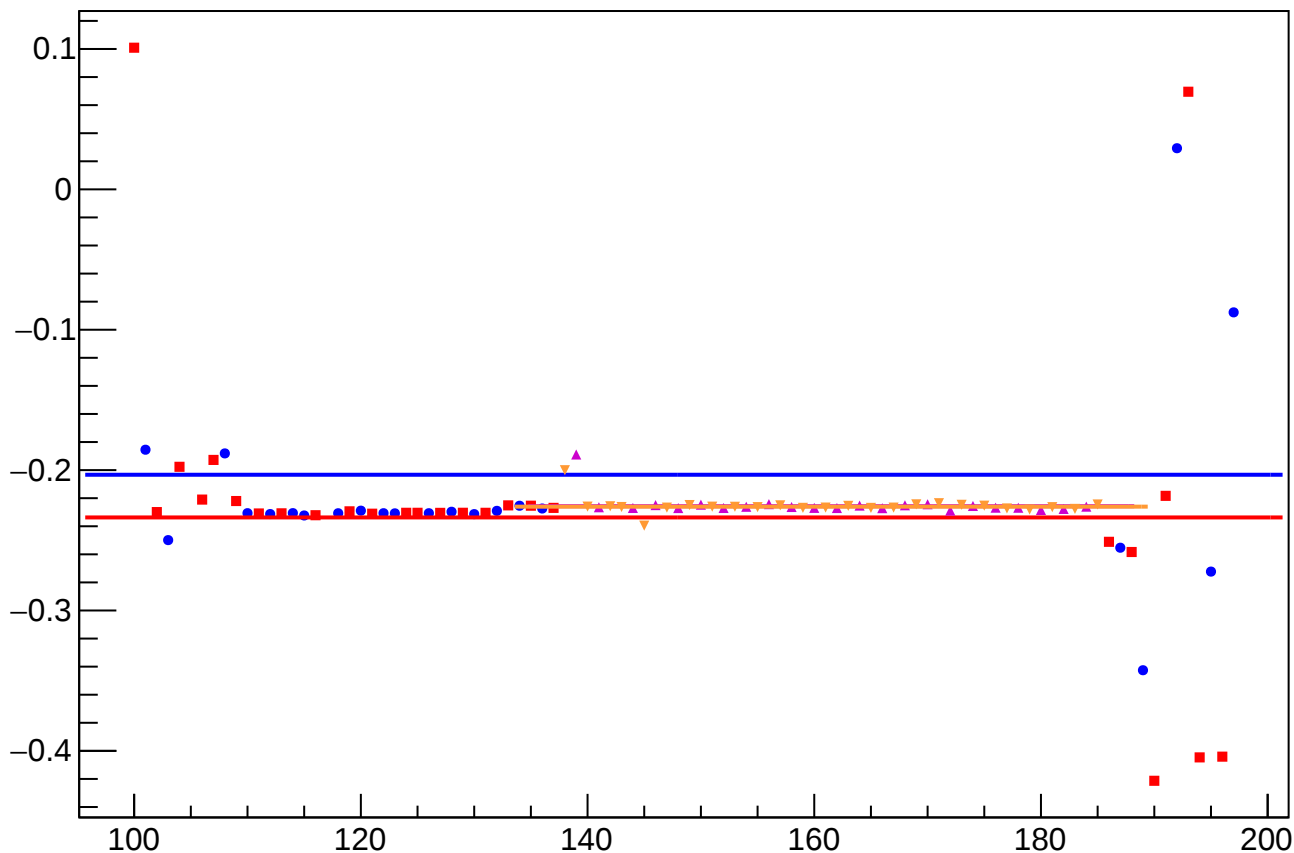
Left In: 0.010 ± 0.000 χ^2/NDF : 747550.0/22

+ sign 0.010 ± 0.000 χ^2/NDF : 6383525.2/46

All: 0.010 ± 0.000 χ^2/NDF : 14935306.6/95

- sign 0.011 ± 0.000 χ^2/NDF : 8546249.3/48

yield_bpm16Y_mean vs Slug



Right In: -0.203+/-0.000 χ^2/NDF : 2211958581.9/21

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.234+/-0.000 χ^2/NDF : 3882932404.9/25

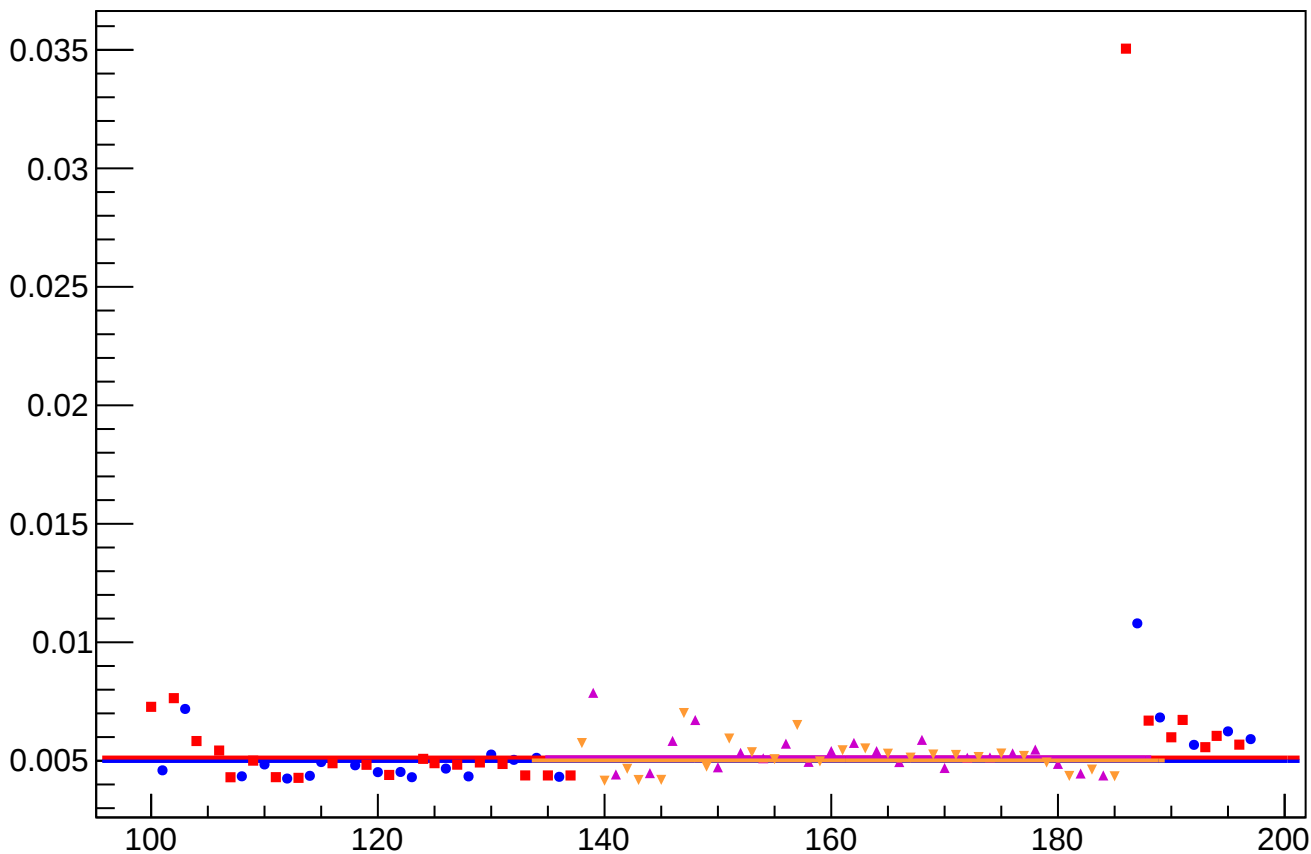
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.218+/-0.000 χ^2/NDF : 2353059555.1/46

All: -0.223+/-0.000 χ^2/NDF : 6321563656.2/9

- sign -0.229+/-0.000 χ^2/NDF : 3913130430.1/48

yield_bpm16Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 499816.3/21

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:530632.6/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1022899.8/25

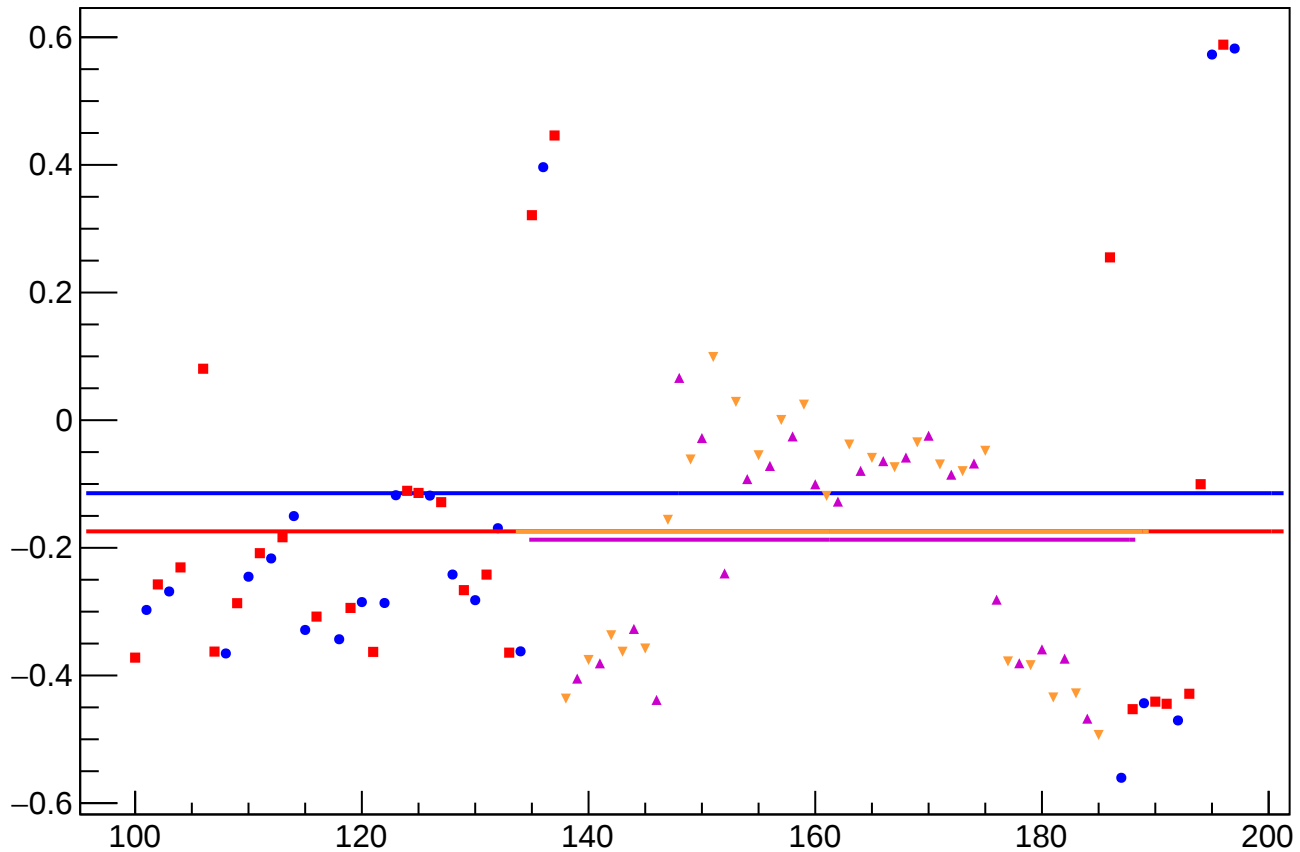
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:493107.7/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1030661.7/46

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2565487.9/95

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1516058.7/48

yield_bpm0i02X_mean vs Slug



Right In: -0.114 ± 0.000 χ^2/NDF : 27627894957.0/21

Left Out: -0.174 ± 0.000 χ^2/NDF : 18025533236.1/24

Right Out: -0.174 ± 0.000 χ^2/NDF : 20308300564.5/25

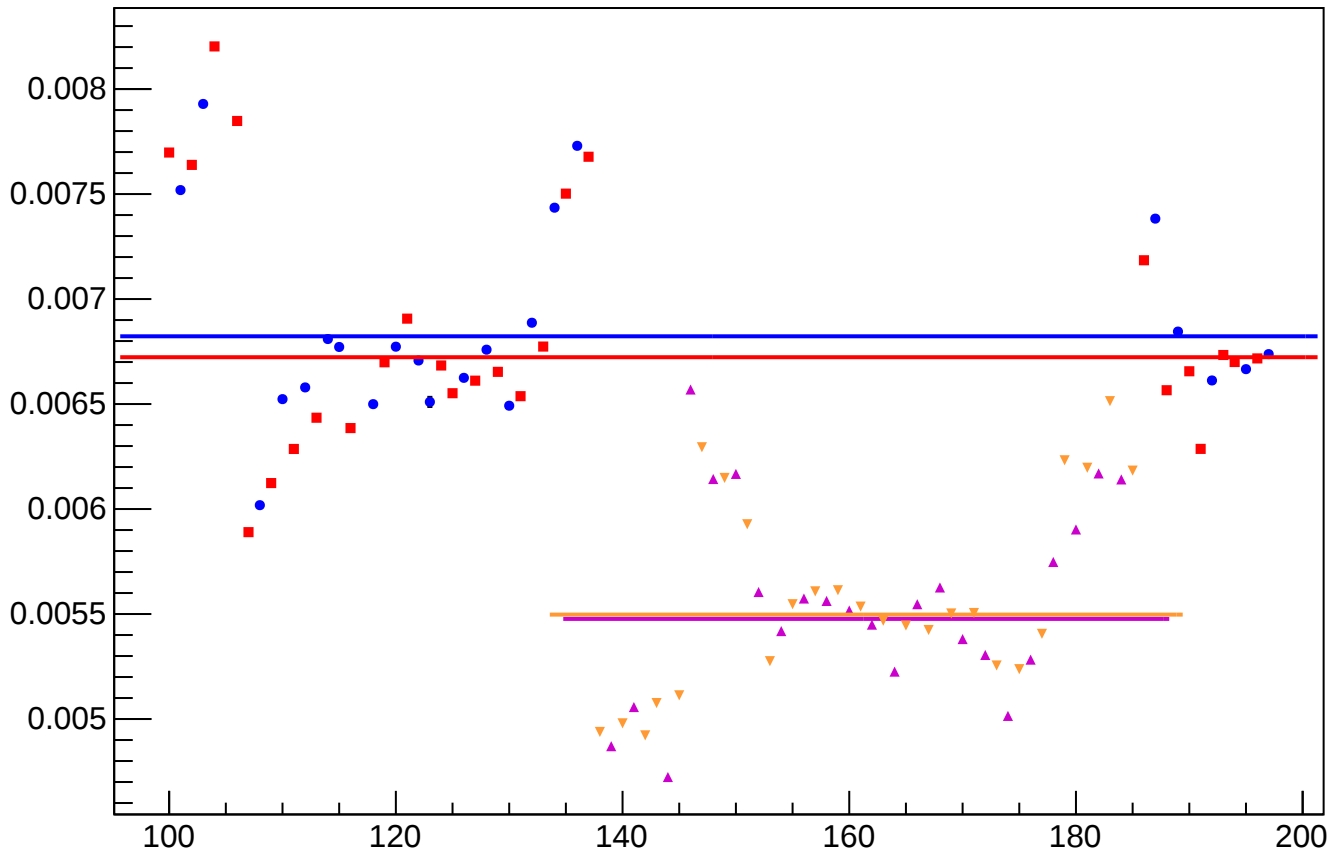
Left In: -0.187 ± 0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.159 ± 0.000 χ^2/NDF : 46201964034.0/46

All: -0.171 ± 0.000 χ^2/NDF : 79593381181.2/48

- sign -0.183 ± 0.000 χ^2/NDF : 33153768630.6/48

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 84031.1/21

Left Out: 0.005+/-0.000 χ^2/NDF : 198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 112263.3/25

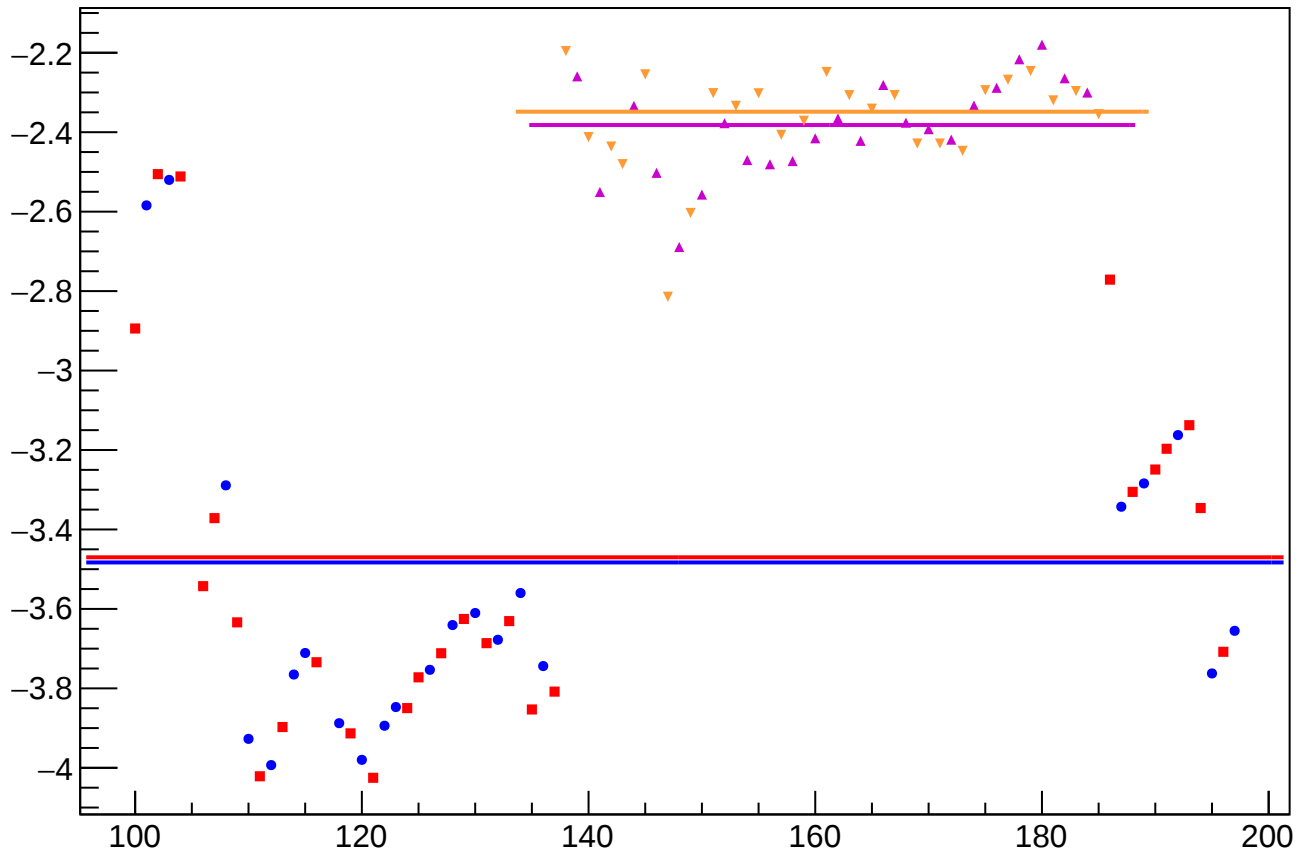
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 816728.9/46

All: 0.006+/-0.000 χ^2/NDF : 1656066.1/95

- sign 0.006+/-0.000 χ^2/NDF : 839146.6/48

yield_bpm0i02Y_mean vs Slug



Right In: -3.483 ± 0.000 χ^2/NDF : 28631439479.5/21

Left Out: -2.348 ± 0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.470 ± 0.000 χ^2/NDF : 29505237797.6/25

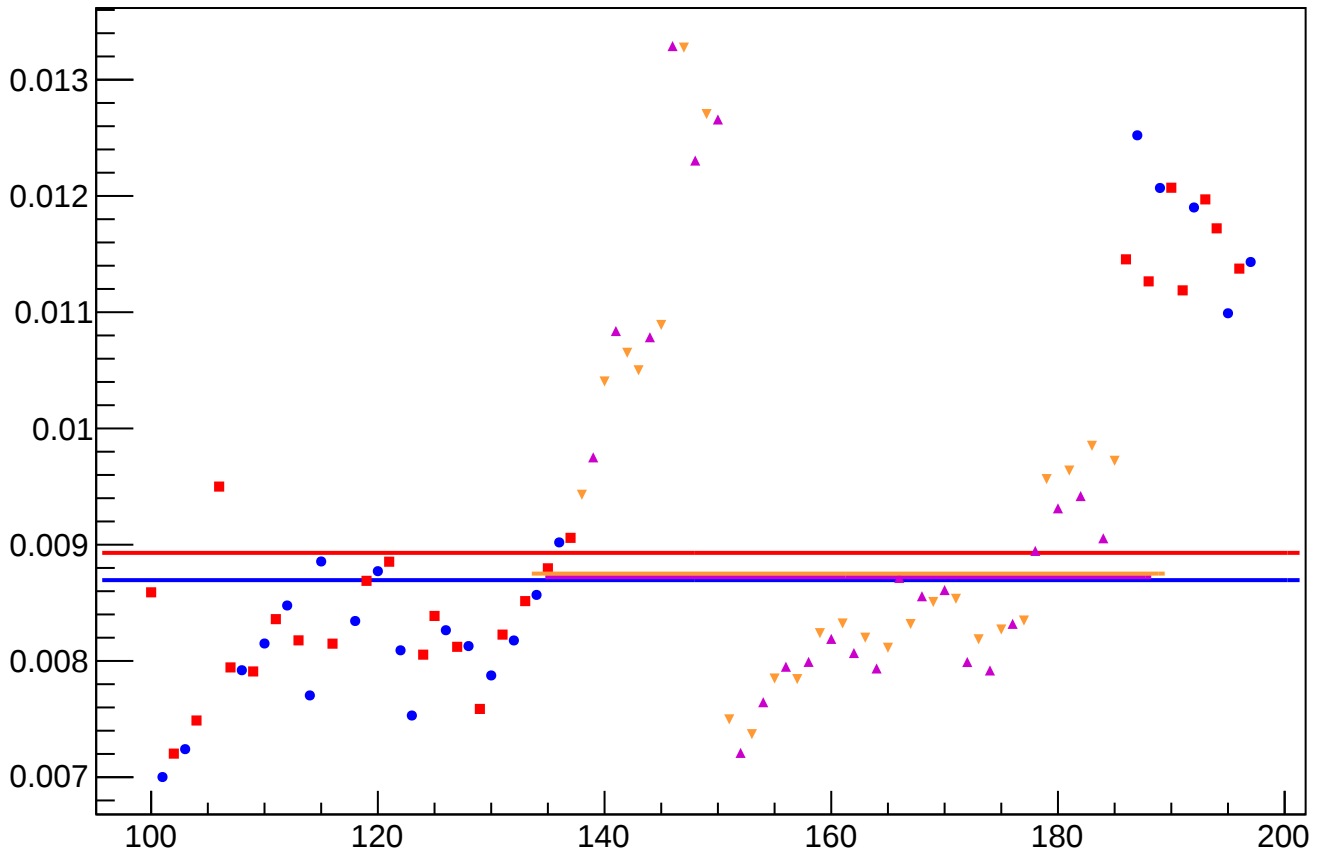
Left In: -2.382 ± 0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.749 ± 0.000 χ^2/NDF : 132948318064.4/46

All: -2.774 ± 0.000 χ^2/NDF : 262355319706.4

- sign -2.800 ± 0.000 χ^2/NDF : 128943928898.7/48

yield_bpm0i02Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 537078.7/21

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:663672.8/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 624340.3/25

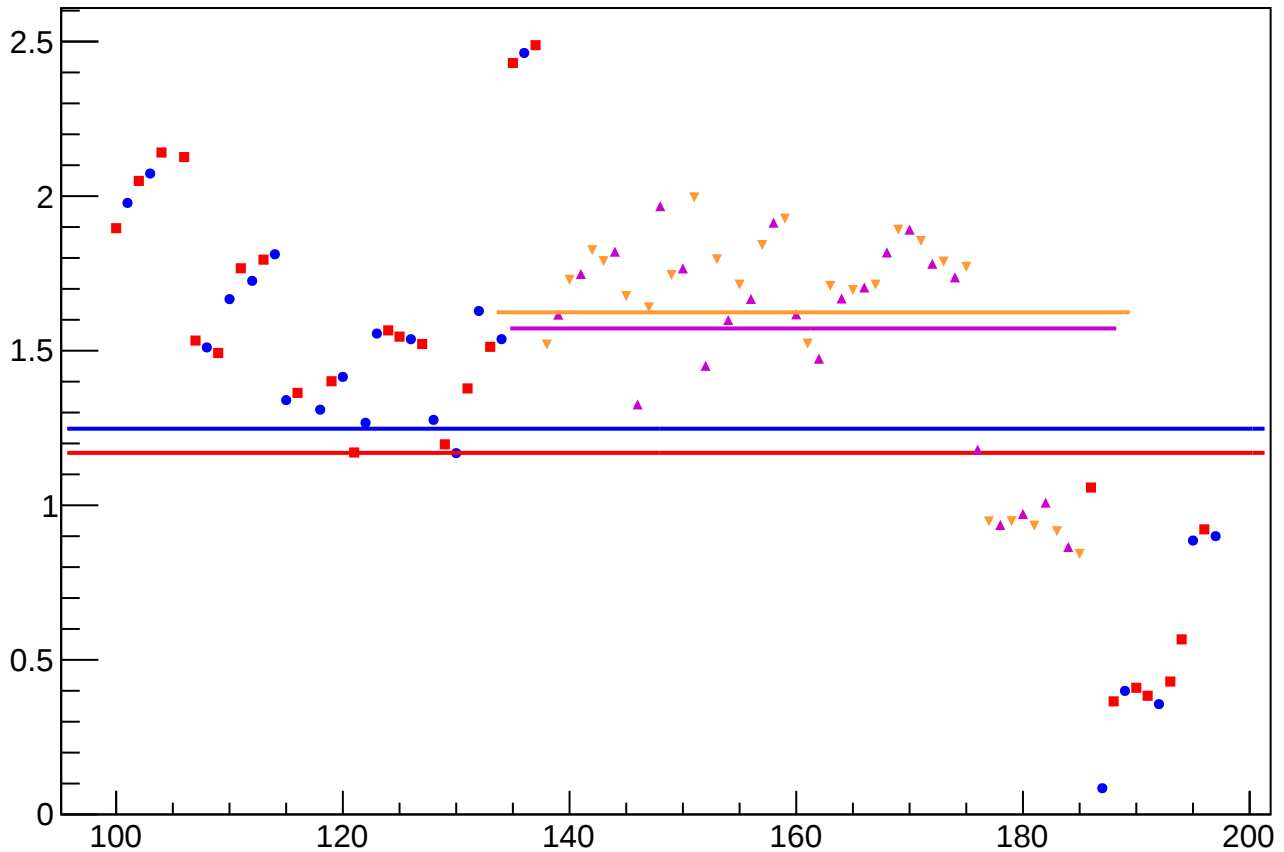
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:747867.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1201253.4/46

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 2582318.1/95

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1379393.5/48

yield_bpm0i02aX_mean vs Slug



Right In: 1.248 $\pm$ 0.000 χ^2 /NDF: 26144635654.0/21

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.169 $\pm$ 0.000 χ^2 /NDF: 32035796103.9/25

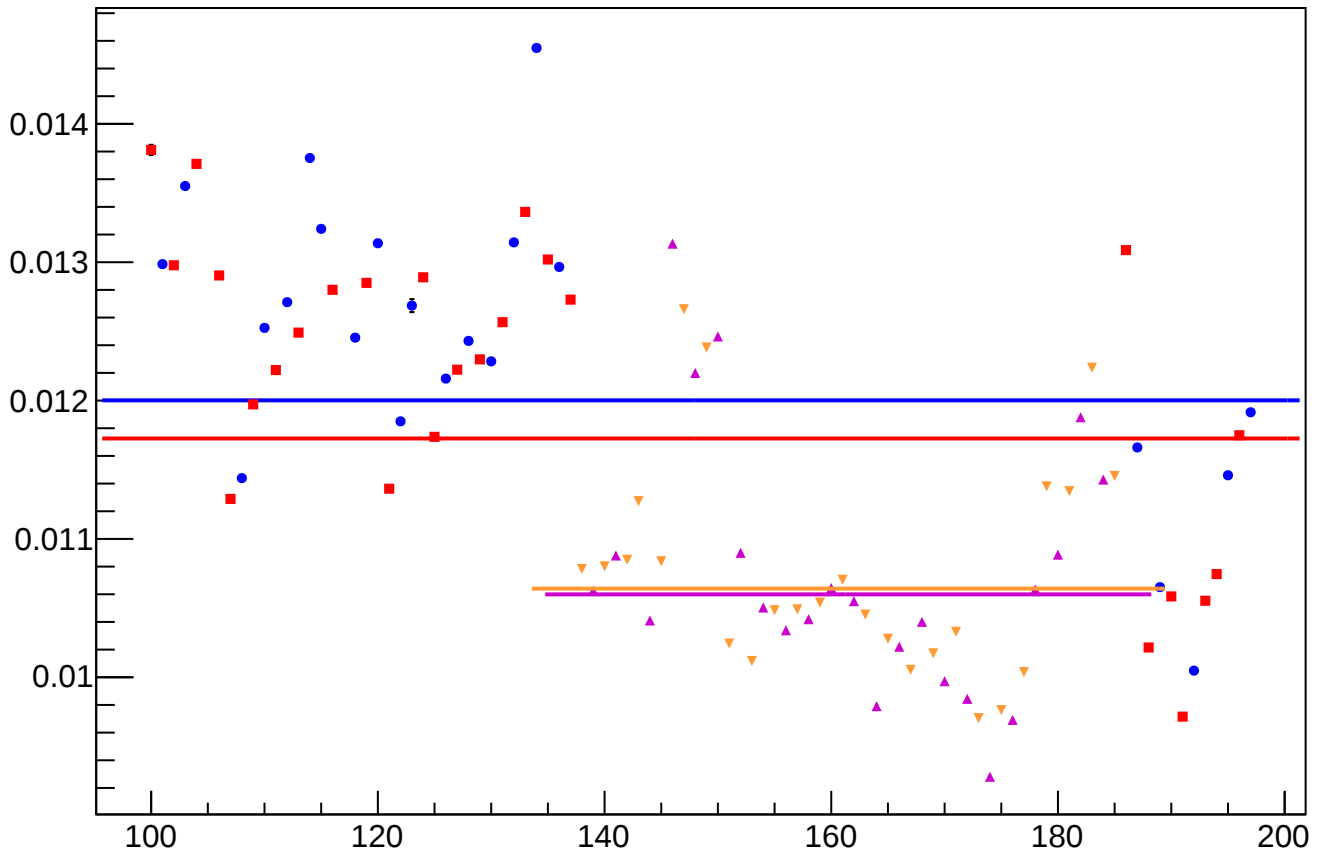
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.512 $\pm$ 0.000 χ^2 /NDF: 49353497060.6/46

All: 1.471 $\pm$ 0.000 χ^2 /NDF: 104738871048.7

- sign 1.431 $\pm$ 0.000 χ^2 /NDF: 54647077872.8/48

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 154913.1/21

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 195263.9/25

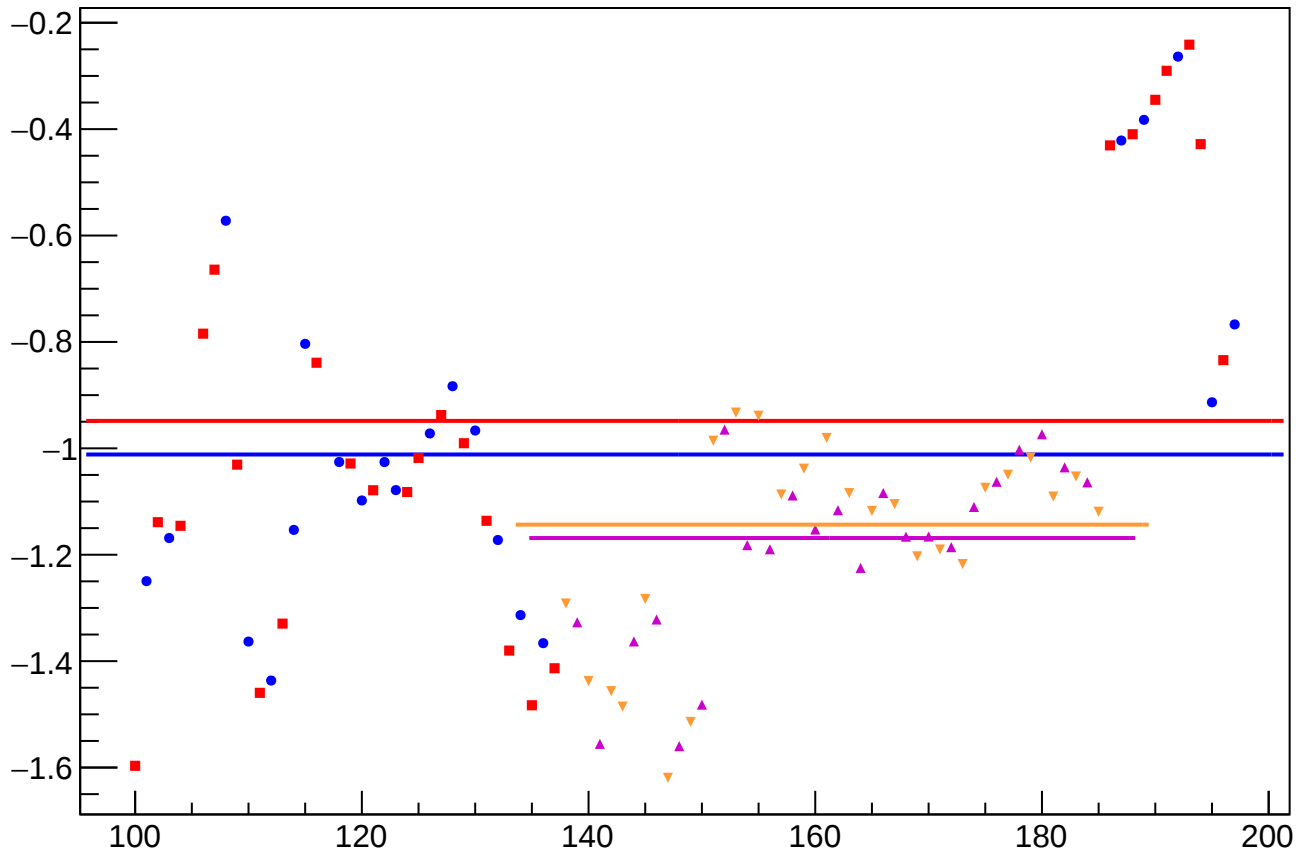
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 486607.6/46

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1018374.4/95

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 531157.5/48

yield_bpm0i02aY_mean vs Slug



Right In: -1.012 ± 0.000 $\chi^2/\text{NDF}: 10440864490.5/21$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -0.948 ± 0.000 $\chi^2/\text{NDF}: 15622988368.5/25$

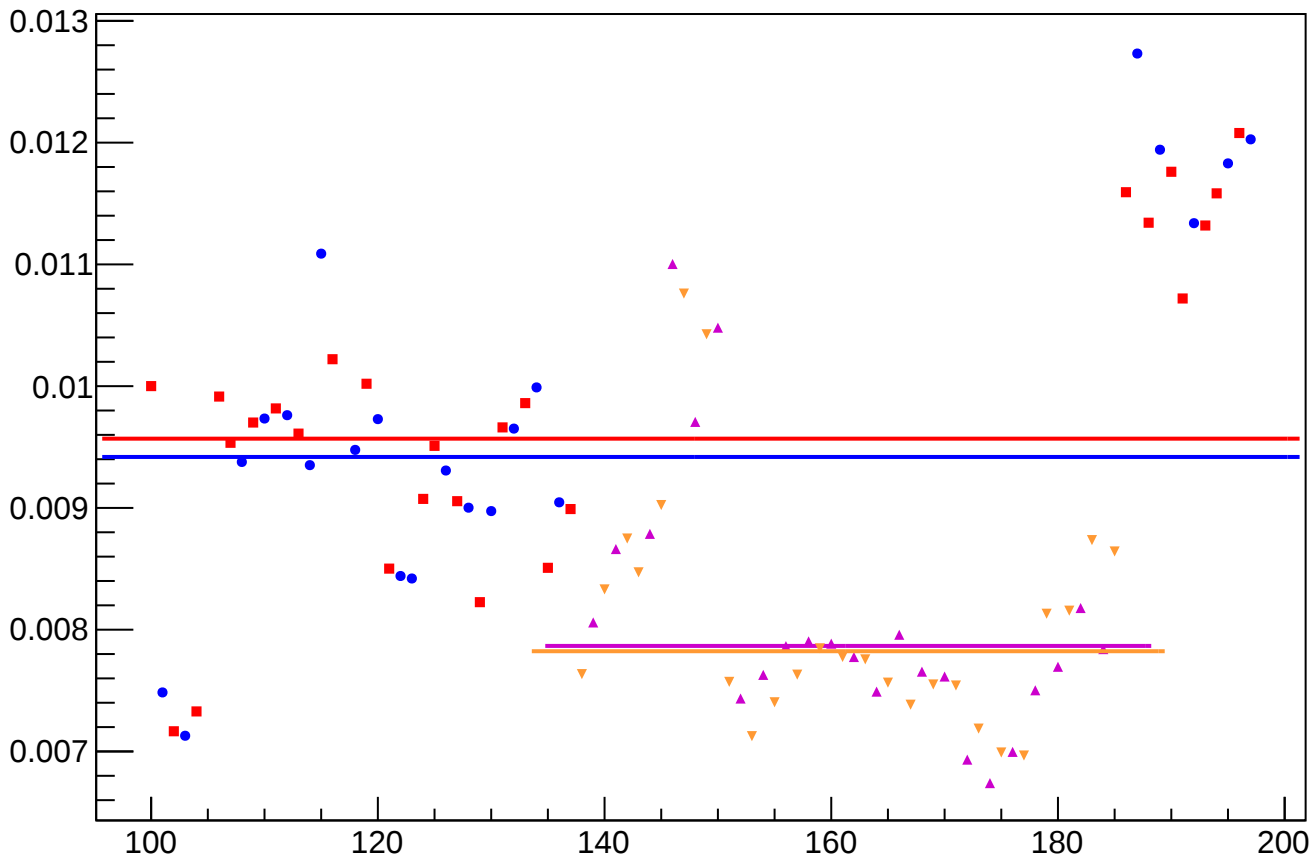
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.108 ± 0.000 $\chi^2/\text{NDF}: 19731717187.8/46$

All: -1.105 ± 0.000 $\chi^2/\text{NDF}: 45608147025.0/46$

- sign -1.101 ± 0.000 $\chi^2/\text{NDF}: 25868467132.3/48$

yield_bpm0i02aY_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 458700.7/21

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:336387.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 505754.4/25

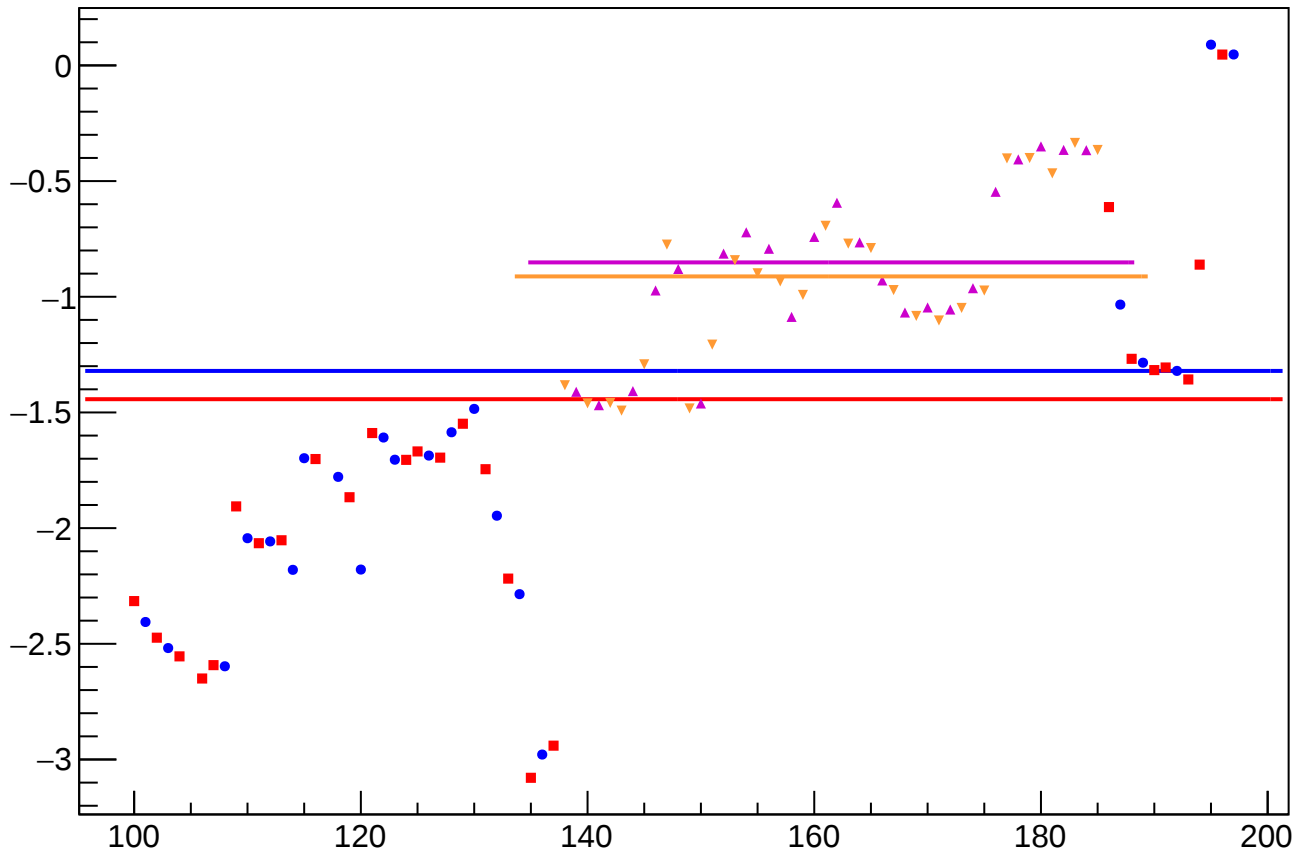
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1180090.4/46

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2536391.4/95

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1349600.1/48

yield_bpm0i05X_mean vs Slug



Right In: -1.321+/-0.000 χ^2/NDF : 211743562483.4/21

Left Out: -0.912+/-0.000 χ^2/NDF : 49039425818.1/24

Right Out: -1.443+/-0.000 χ^2/NDF : 172044841478.6/25

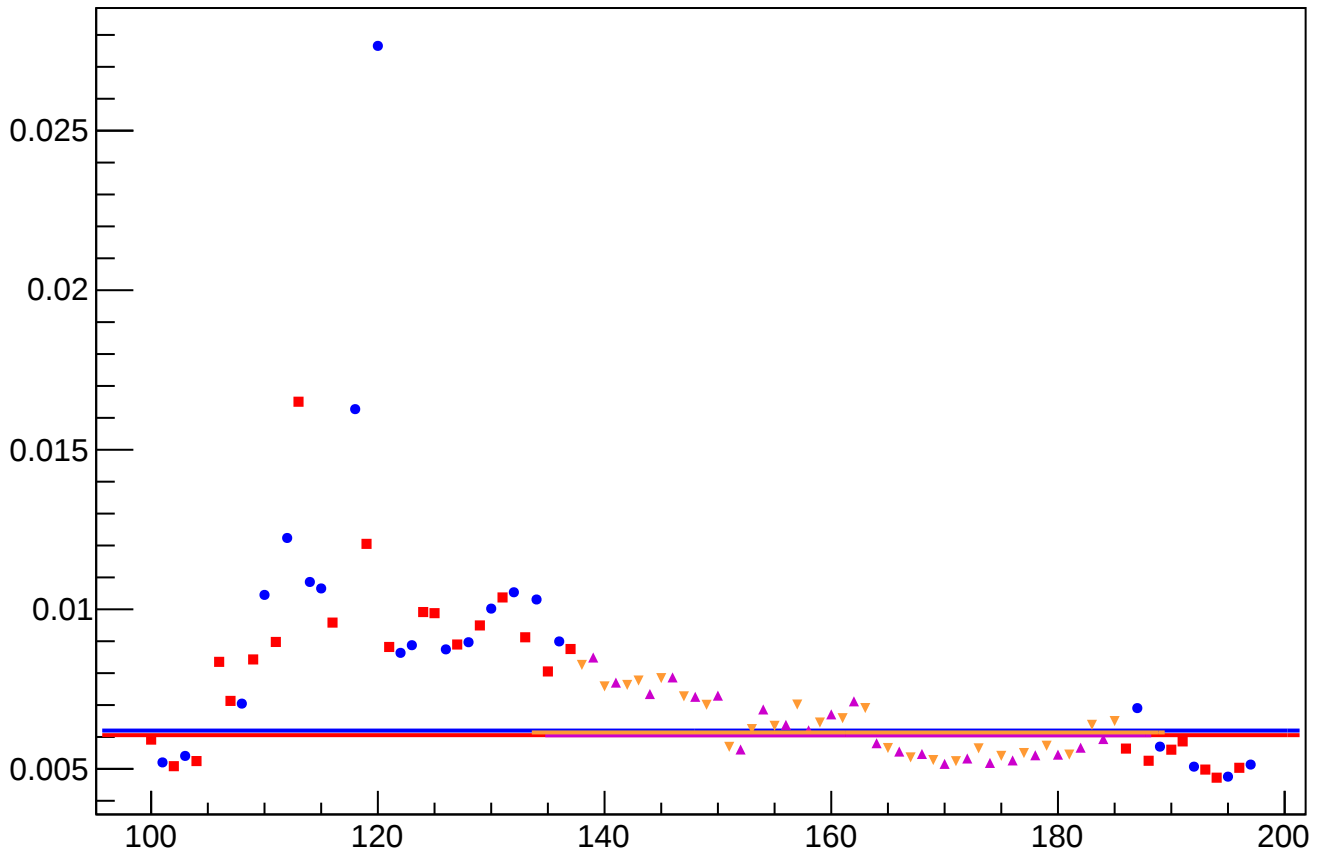
Left In: -0.851+/-0.000 χ^2/NDF : 46438446008.2/22

+ sign -1.037+/-0.000 χ^2/NDF : 283570187881.5/46

All: -1.053+/-0.000 χ^2/NDF : 557994201237.2

- sign -1.068+/-0.000 χ^2/NDF : 274117240663.7/48

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1829279.3/21

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1637972.4/25

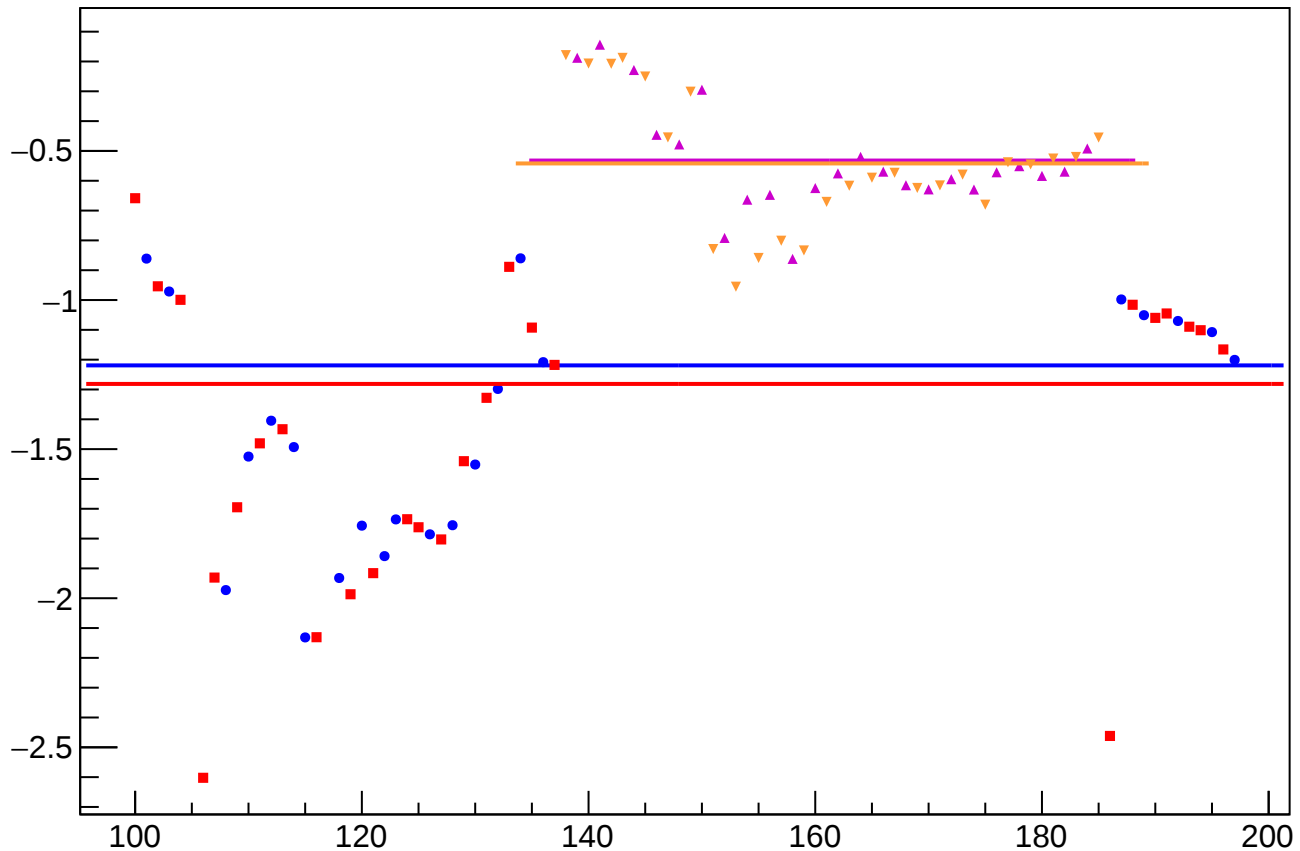
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2467984.9/46

All: 0.006+/-0.000 χ^2/NDF : 4811002.9/95

- sign 0.006+/-0.000 χ^2/NDF : 2335555.4/48

yield_bpm0i05Y_mean vs Slug



Right In: -1.219+/-0.000 χ^2/NDF : 26161033181.6/21

Left Out: -0.542+/-0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.281+/-0.000 χ^2/NDF : 77558464119.0/25

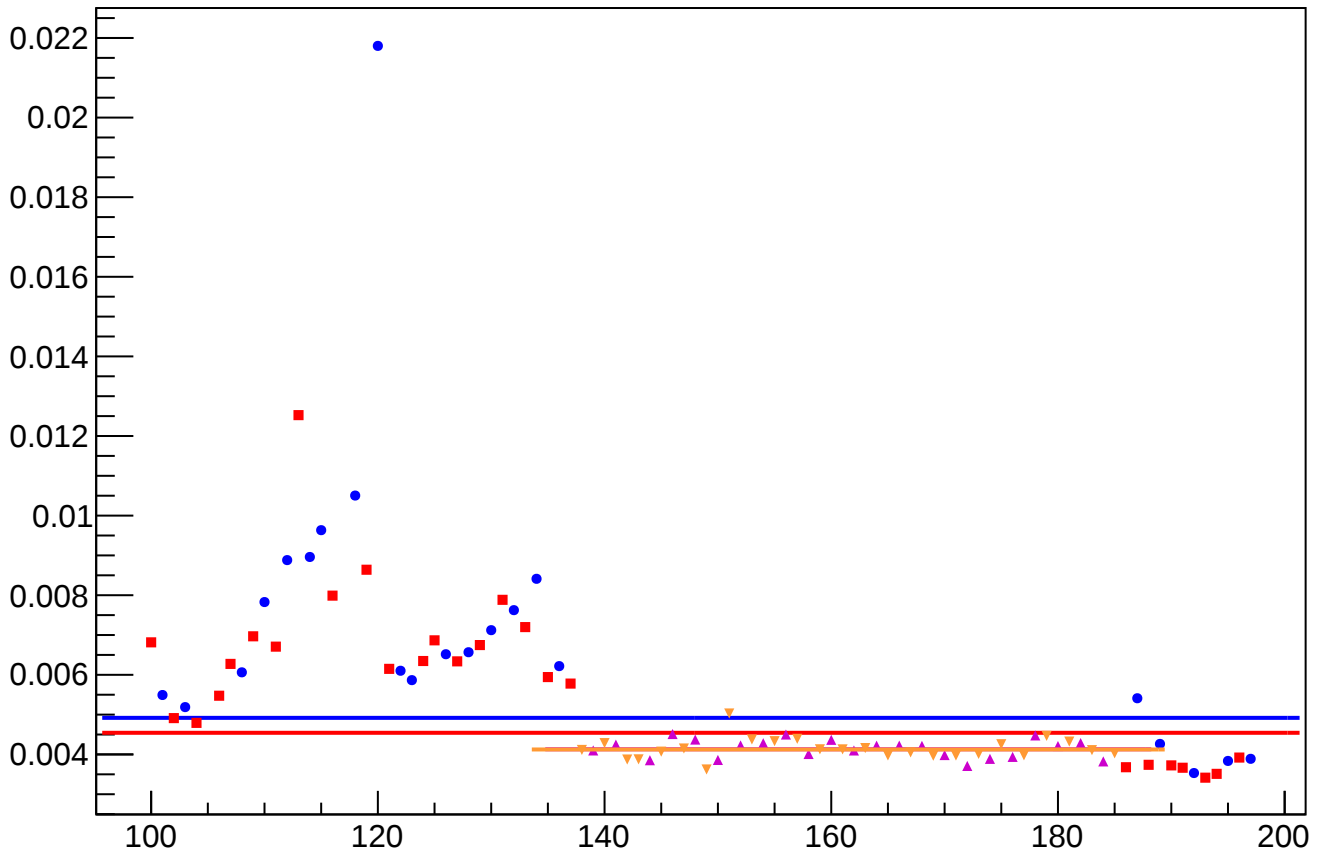
Left In: -0.532+/-0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.705+/-0.000 χ^2/NDF : 182940204667.9/46

All: -0.738+/-0.000 χ^2/NDF : 460857809334.0

- sign -0.770+/-0.000 χ^2/NDF : 275085546890.9/48

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1675324.9/21

Left Out: 0.004+/-0.000 χ^2/NDF :113033.9/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1737544.0/25

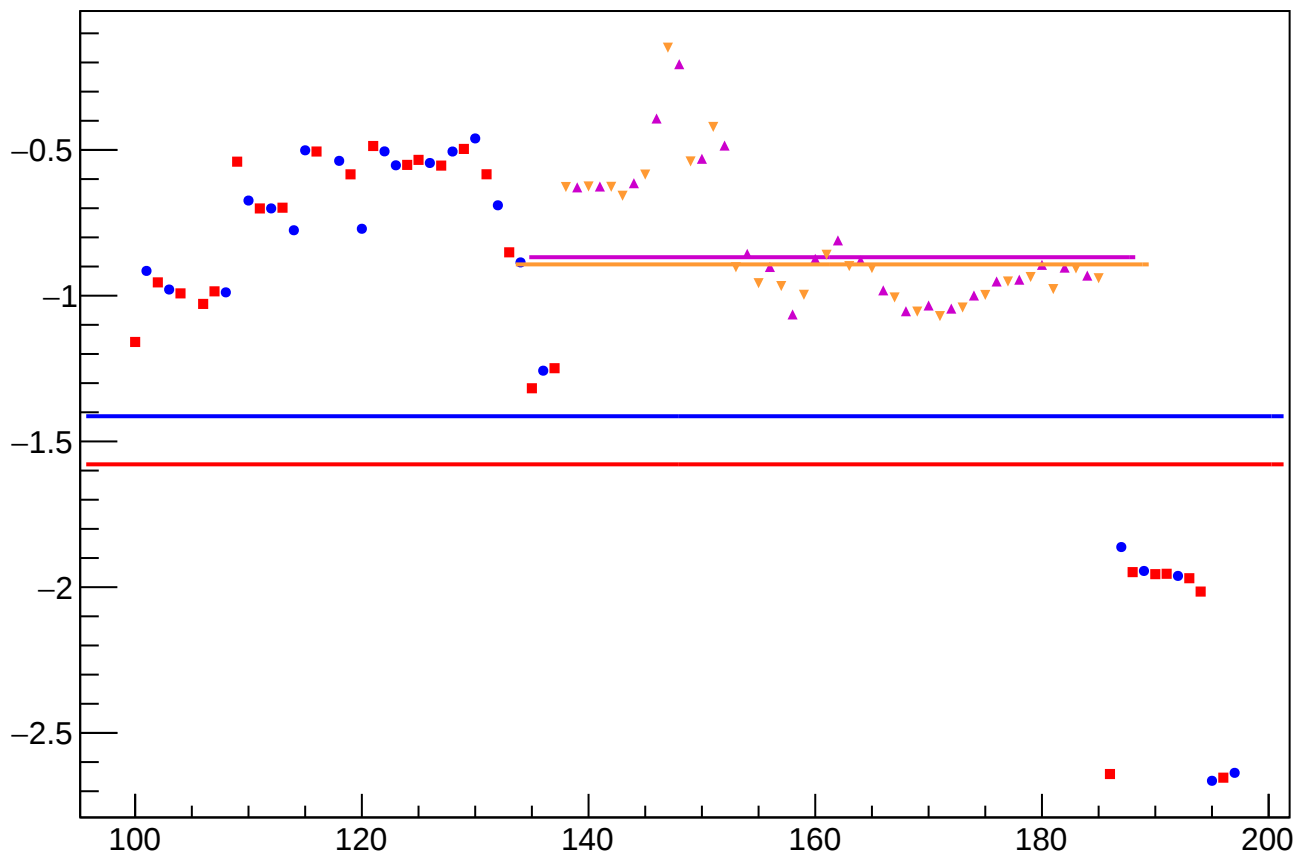
Left In: 0.004+/-0.000 χ^2/NDF :93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 2089786.7/46

All: 0.004+/-0.000 χ^2/NDF : 4026185.5/95

- sign 0.004+/-0.000 χ^2/NDF : 1932402.9/48

yield_bpm0i07X_mean vs Slug



Right In: -1.414+/-0.000 χ^2 /NDF: 167850601871.6/21

Left Out: -0.893+/-0.000 χ^2 /NDF: 40787012603.8/24

Right Out: -1.579+/-0.000 χ^2 /NDF: 246968573872.9/25

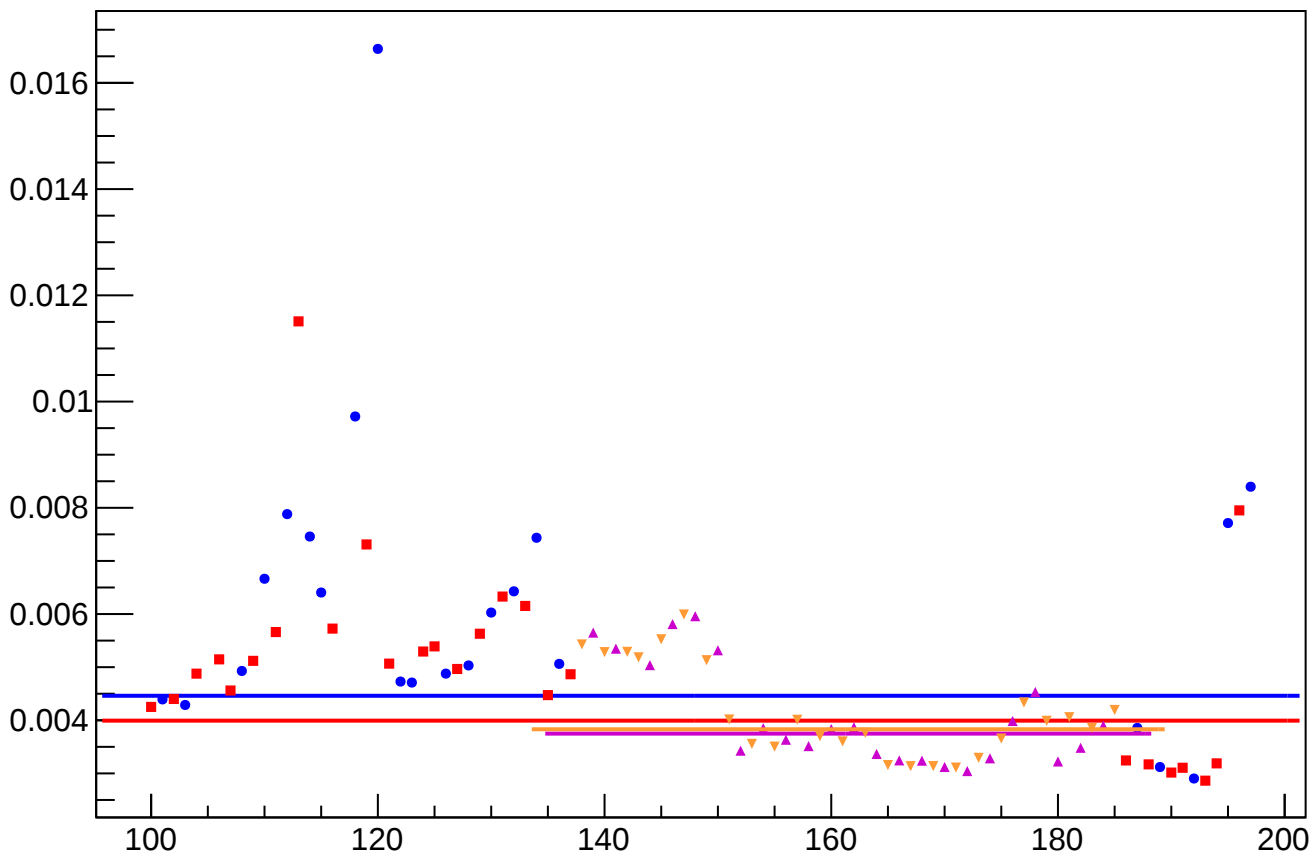
Left In: -0.868+/-0.000 χ^2 /NDF: 43853190177.2/22

+ sign -1.025+/-0.000 χ^2 /NDF: 286025870043.4/46

All: -1.070+/-0.000 χ^2 /NDF: 774138342991.6

- sign -1.110+/-0.000 χ^2 /NDF: 482370446368.0/48

yield_bpm0i07X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2182166.3/21

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1941979.9/25

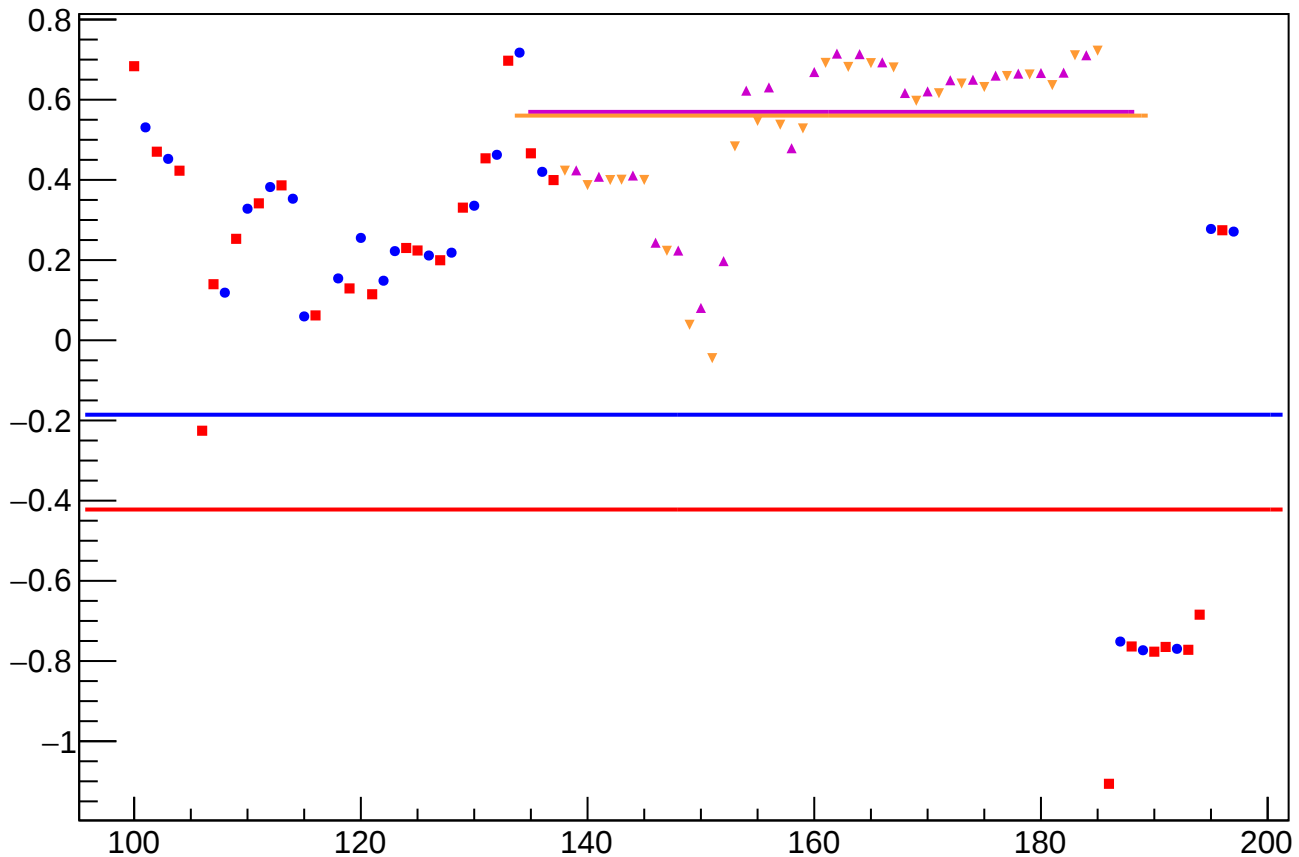
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3588790.1/46

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6904592.2/95

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3275721.3/48

yield_bpm0i07Y_mean vs Slug



Right In: -0.186 ± 0.000 $\chi^2/\text{NDF}: 250807183097.3/21$

Left Out: 0.560 ± 0.000 $\chi^2/\text{NDF}: 45205806387.2/24$

+ sign 0.315 ± 0.000 $\chi^2/\text{NDF}: 592772551793.5/46$

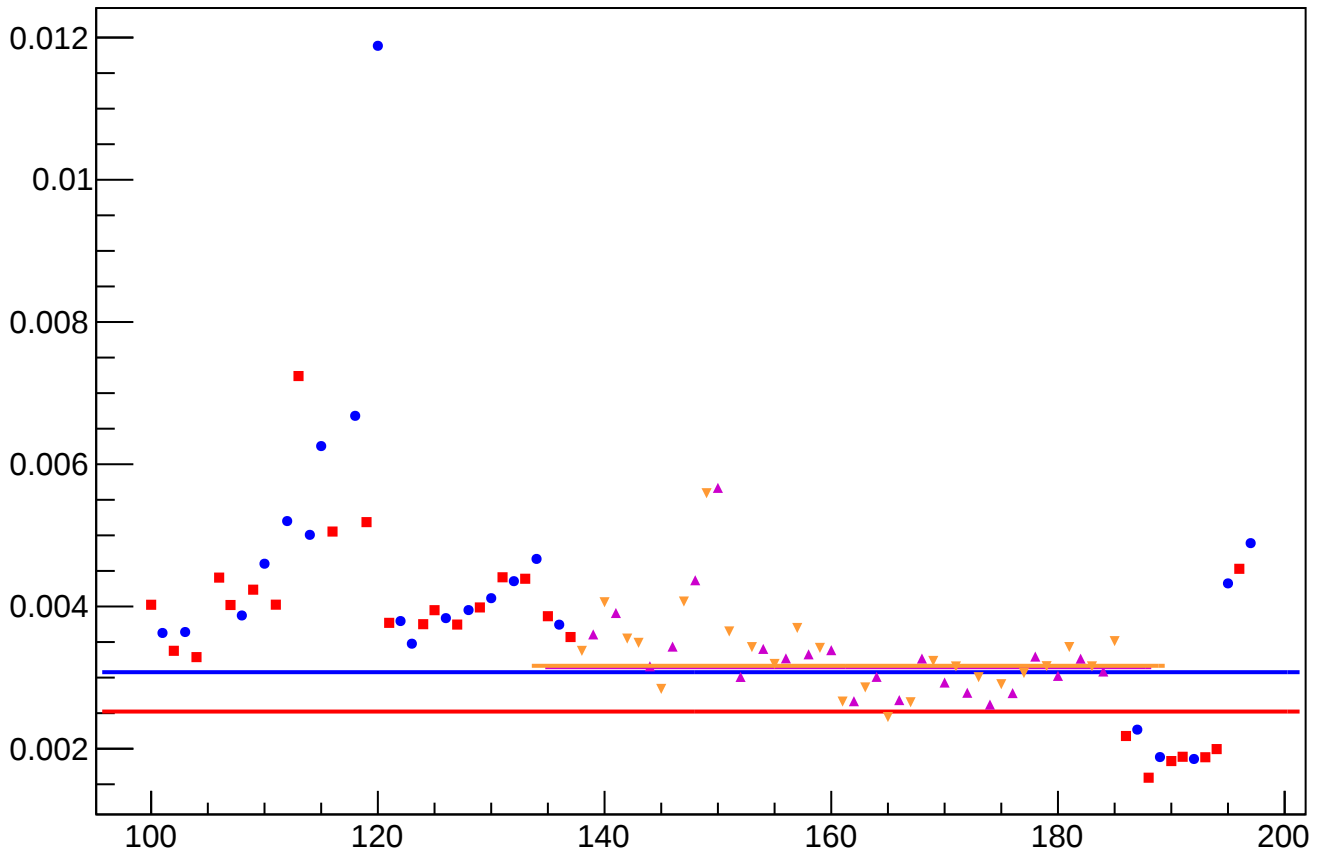
Right Out: -0.422 ± 0.000 $\chi^2/\text{NDF}: 377906854762.5/25$

All: 0.204 ± 0.000 $\chi^2/\text{NDF}: 1773724679791.0/100$

- sign 0.112 ± 0.000 $\chi^2/\text{NDF}: 1126983878706.9/48$

Left In: 0.570 ± 0.000 $\chi^2/\text{NDF}: 42104067973.0/22$

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 2510919.1/21

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3095924.7/25

Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 3264423.0/46

All: 0.003+/-0.000 χ^2/NDF : 7839250.8/95

- sign 0.003+/-0.000 χ^2/NDF : 4371648.2/48

yield_bpm1i02X_mean vs Slug



Right In: -0.023 ± 0.000 χ^2/NDF : 5659327024.7/21

Left Out: -2.182 ± 0.000 χ^2/NDF : 4008829567.0/24

Right Out: -0.016 ± 0.000 χ^2/NDF : 6782255969.5/25

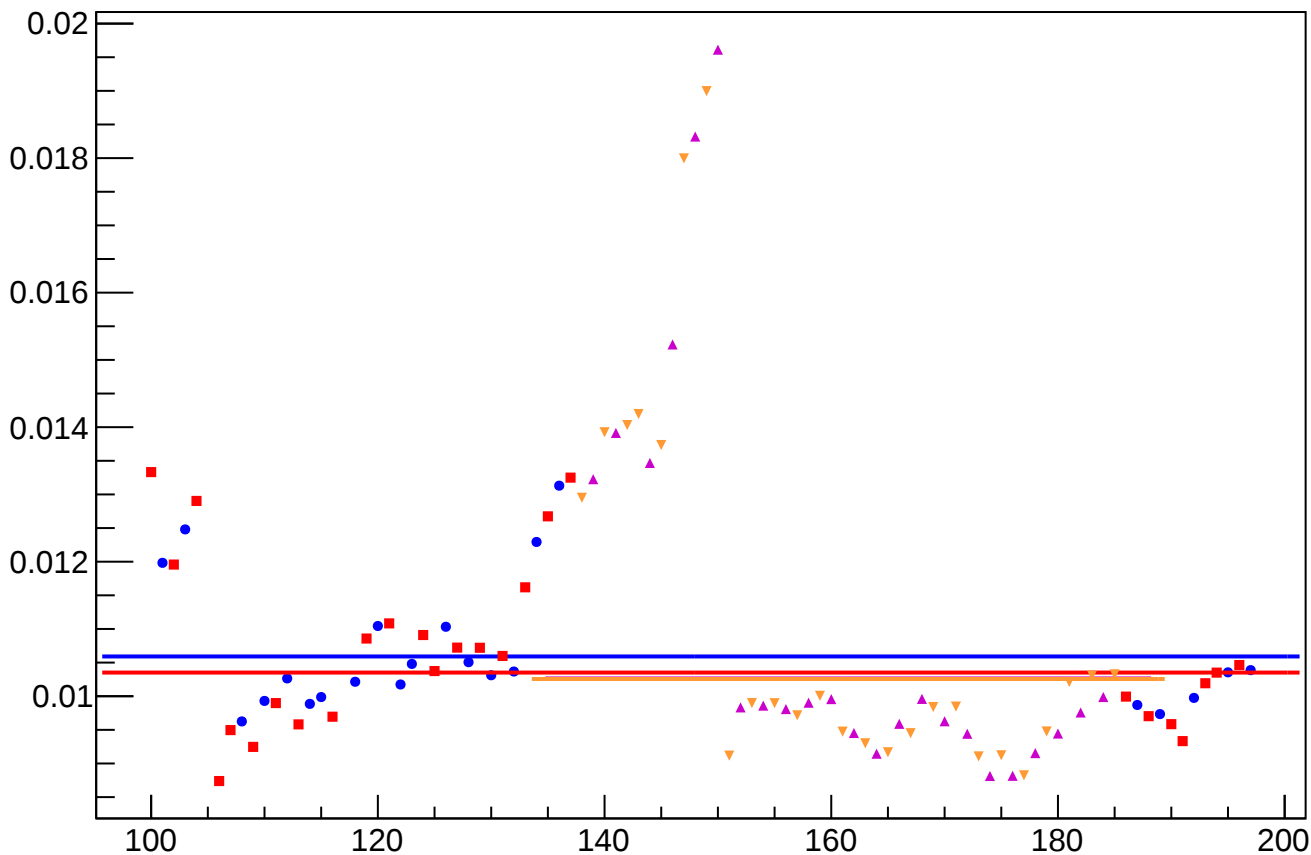
Left In: -2.185 ± 0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.449 ± 0.000 χ^2/NDF : 274937177567.5/46

All: -1.383 ± 0.000 χ^2/NDF : 582692304866.4

- sign -1.319 ± 0.000 χ^2/NDF : 305586393974.7/48

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 148701.2/21

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 204693.1/25

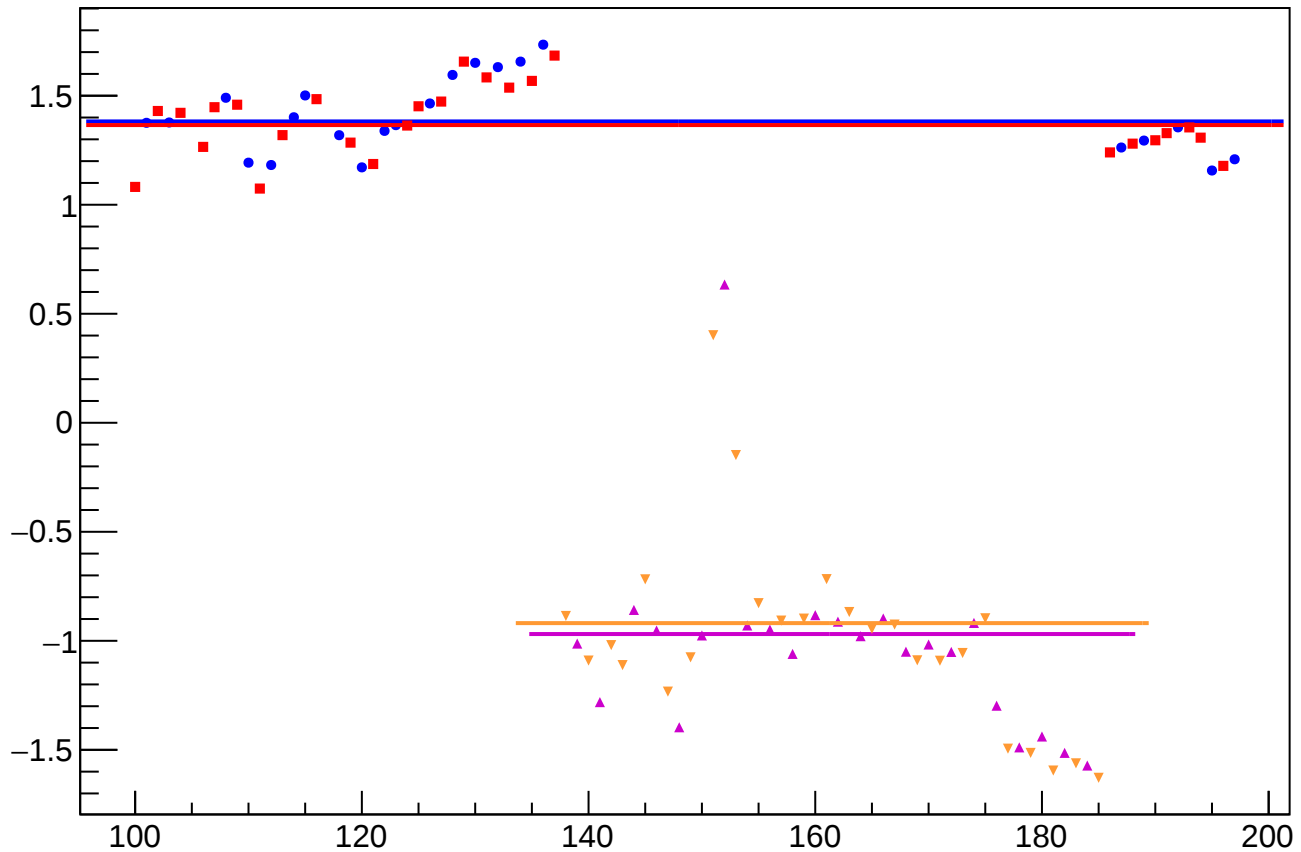
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1432110.5/46

All: 0.010+/-0.000 χ^2/NDF : 2979308.5/95

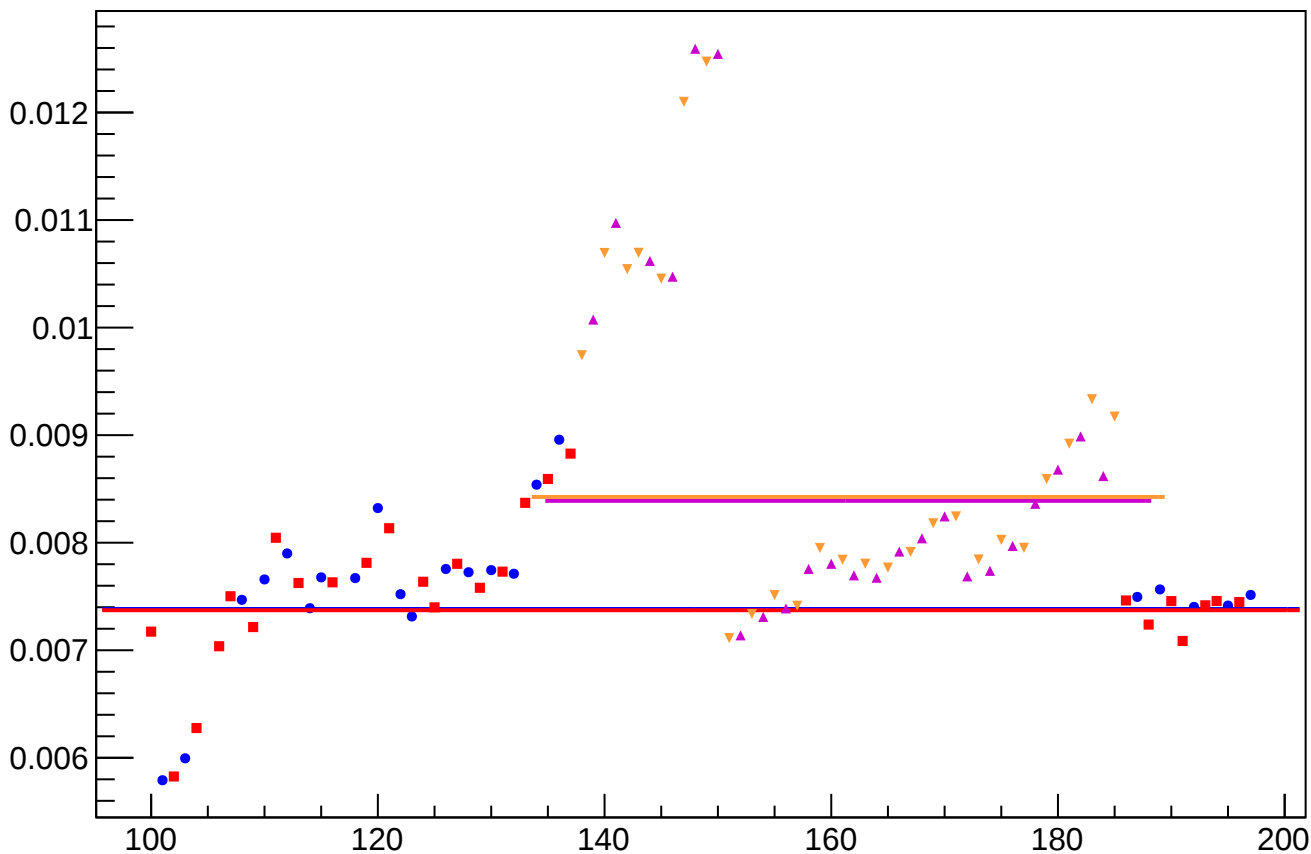
- sign 0.010+/-0.000 χ^2/NDF : 1545914.3/48

yield_bpm1i02Y_mean vs Slug



Right In: 1.382+/-0.000	χ^2/NDF : 5091101717.2/21	+ sign 0.028+/-0.000	χ^2/NDF : 609989588745.1/46
Left Out: -0.919+/-0.000	χ^2/NDF : 55622252895.8/24	All: 0.070+/-0.000	χ^2/NDF : 1273724135307.
Right Out: 1.365+/-0.000	χ^2/NDF : 3819804039.1/25	- sign 0.111+/-0.000	χ^2/NDF : 662237777463.6/48
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: 230052.1/21

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 174503.7/25

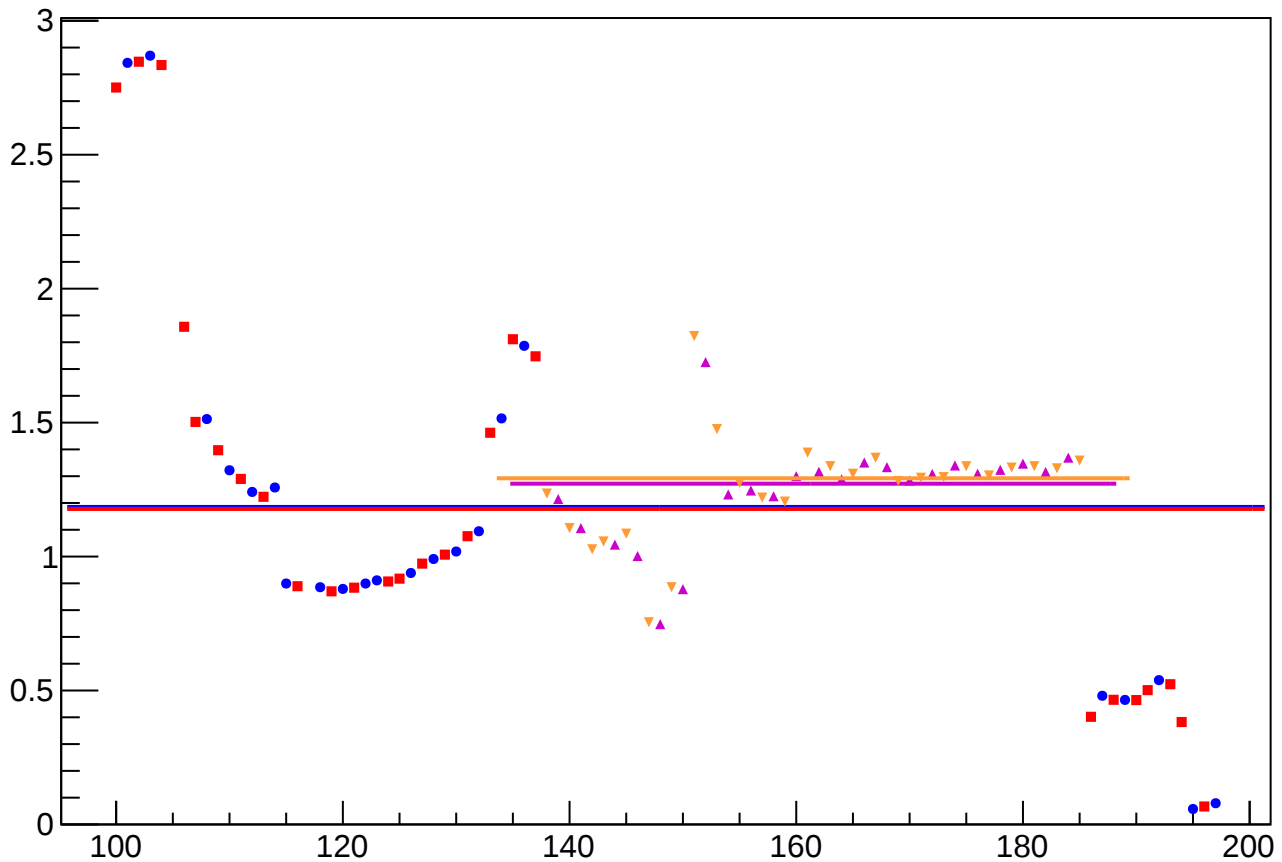
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1247689.6/46

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2493854.0/95

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1243528.5/48

yield_bpm1i04X_mean vs Slug



Right In: 1.185 $\pm$ 0.000 χ^2 /NDF: 84348067609.4/21

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

Right Out: 1.178 $\pm$ 0.000 χ^2 /NDF: 83627932162.5/25

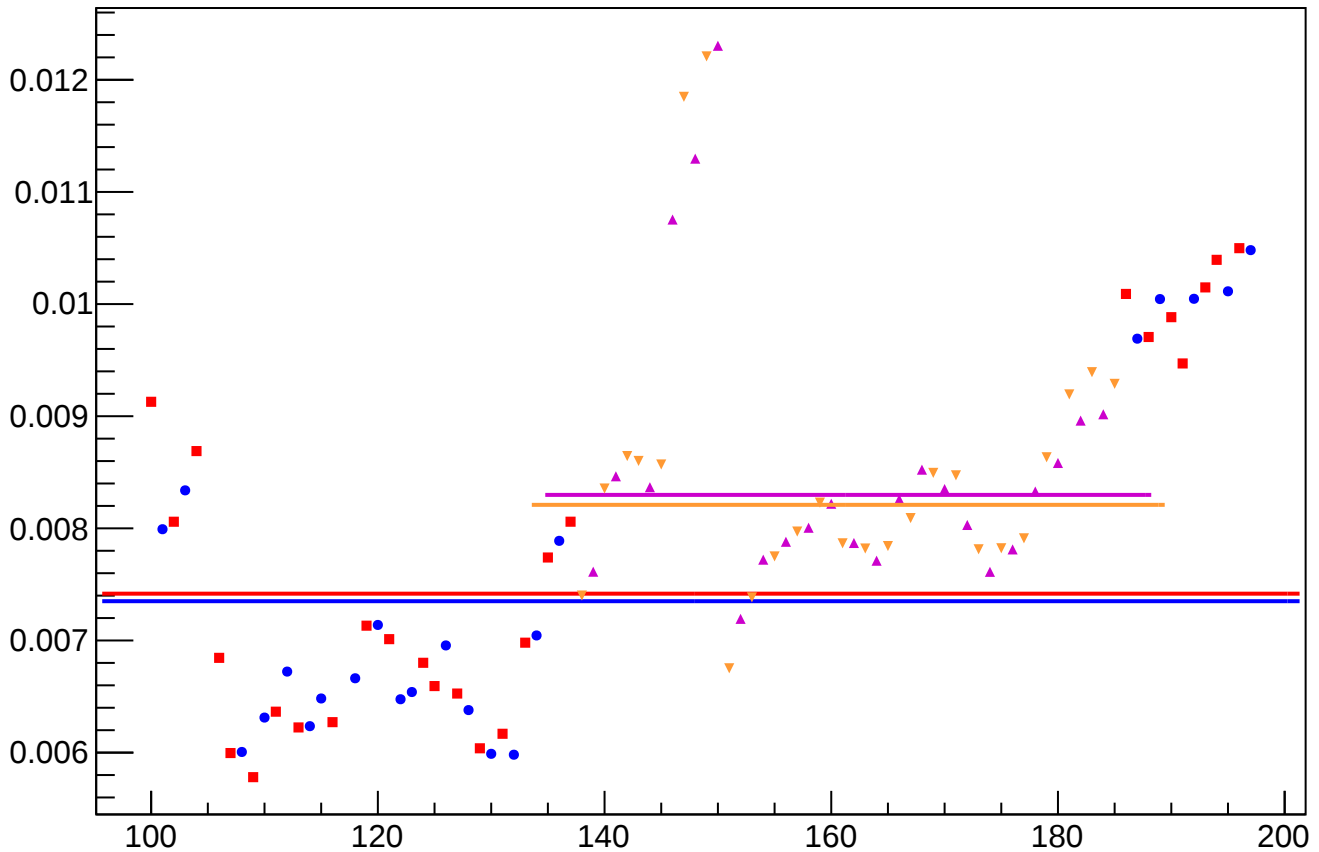
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.250 $\pm$ 0.000 χ^2 /NDF: 94847726046.3/46

All: 1.240 $\pm$ 0.000 χ^2 /NDF: 187100987765.3

- sign 1.230 $\pm$ 0.000 χ^2 /NDF: 92168290488.8/48

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 723757.6/21

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 478864.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 944067.9/25

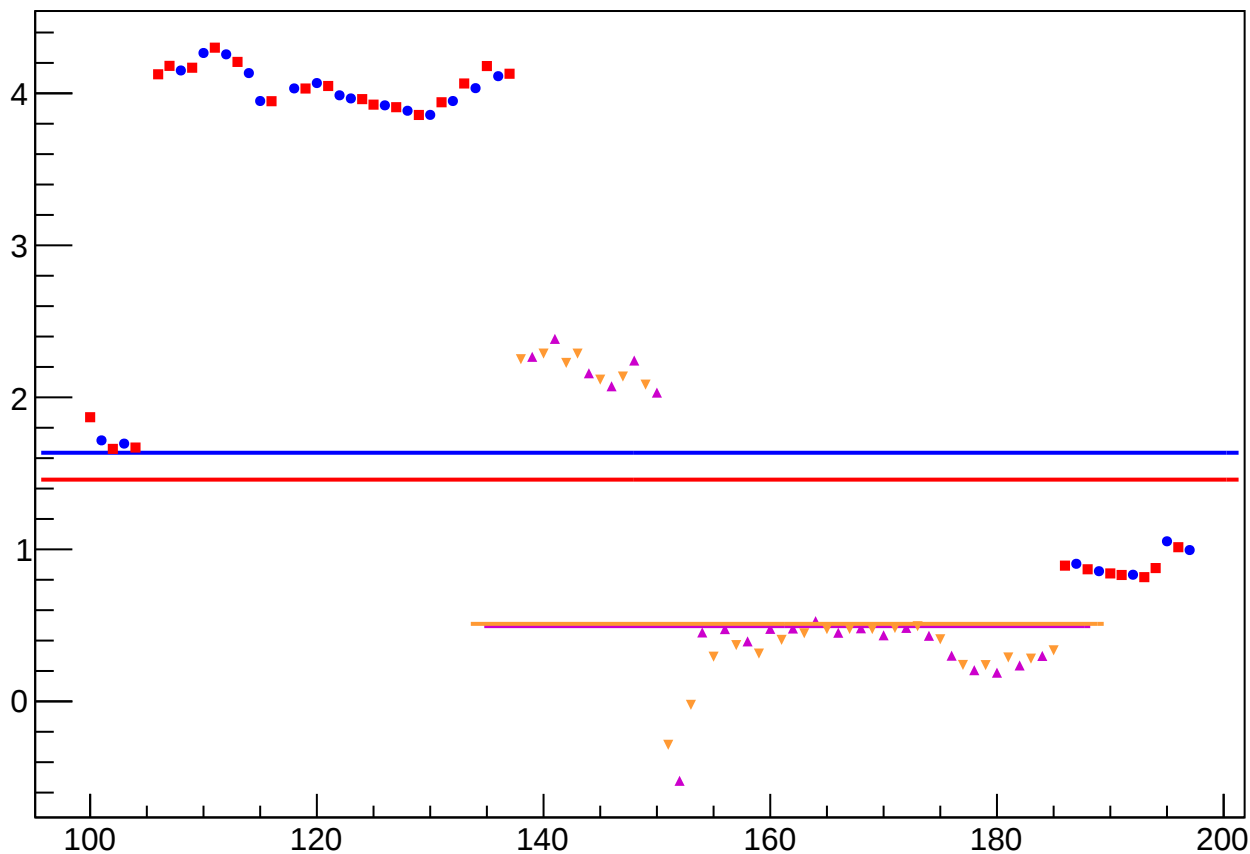
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 1357078.5/46

All: 0.008 $\pm$ 0.000 χ^2/NDF : 2932630.7/95

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 1574949.0/48

yield_bpm1i04Y_mean vs Slug



Right In: 1.636 $\pm$ 0.000 χ^2 /NDF: 1317118803217.6/21

Left Out: 0.510 $\pm$ 0.000 χ^2 /NDF: 274818814912.4/24

Right Out: 1.459 $\pm$ 0.000 χ^2 /NDF: 1593597428286.3/25

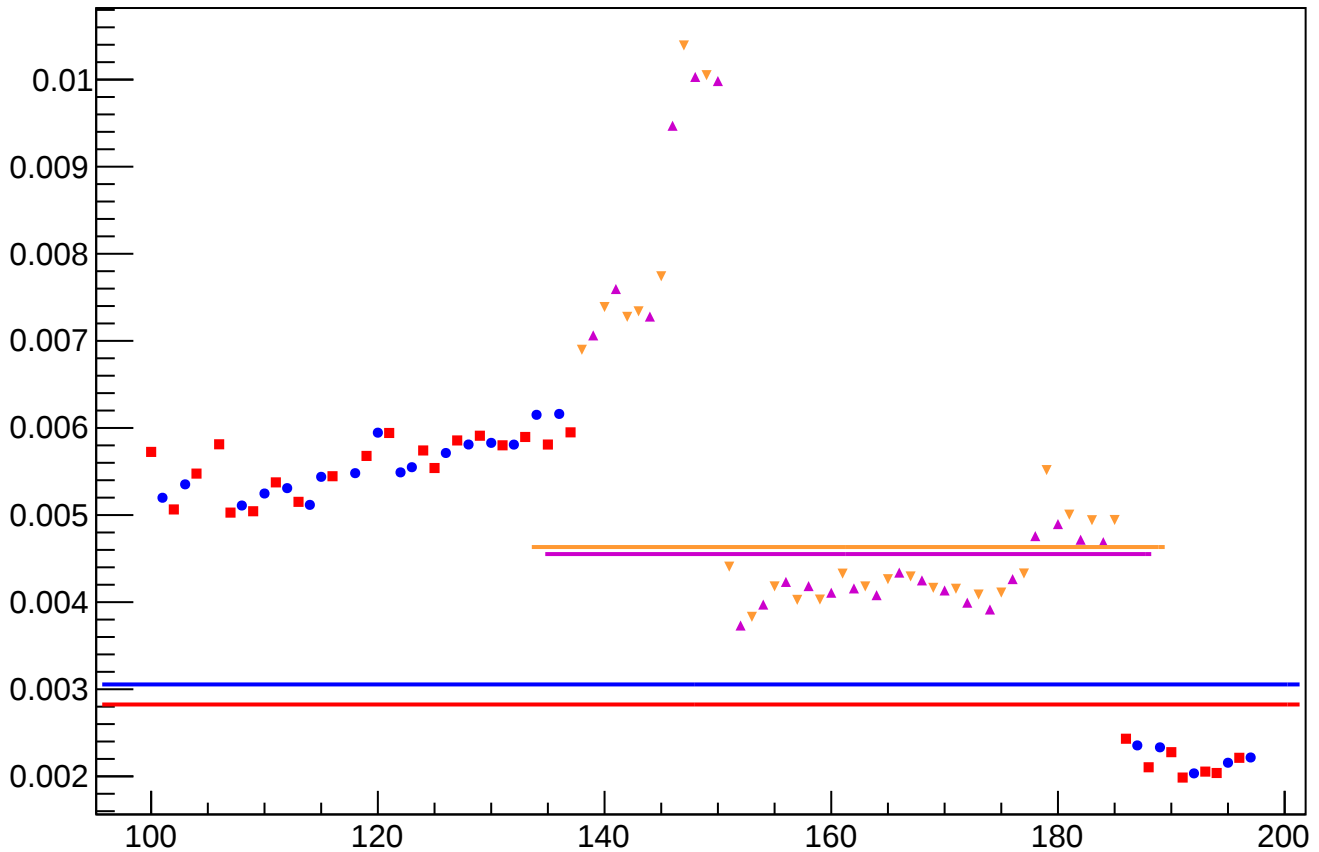
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.087 $\pm$ 0.000 χ^2 /NDF: 2096671427844.2/46

All: 1.076 $\pm$ 0.000 χ^2 /NDF: 4376671969671.7/47

- sign 1.066 $\pm$ 0.000 χ^2 /NDF: 2279615228601.7/48

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3737807.9/21

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4224962.4/25

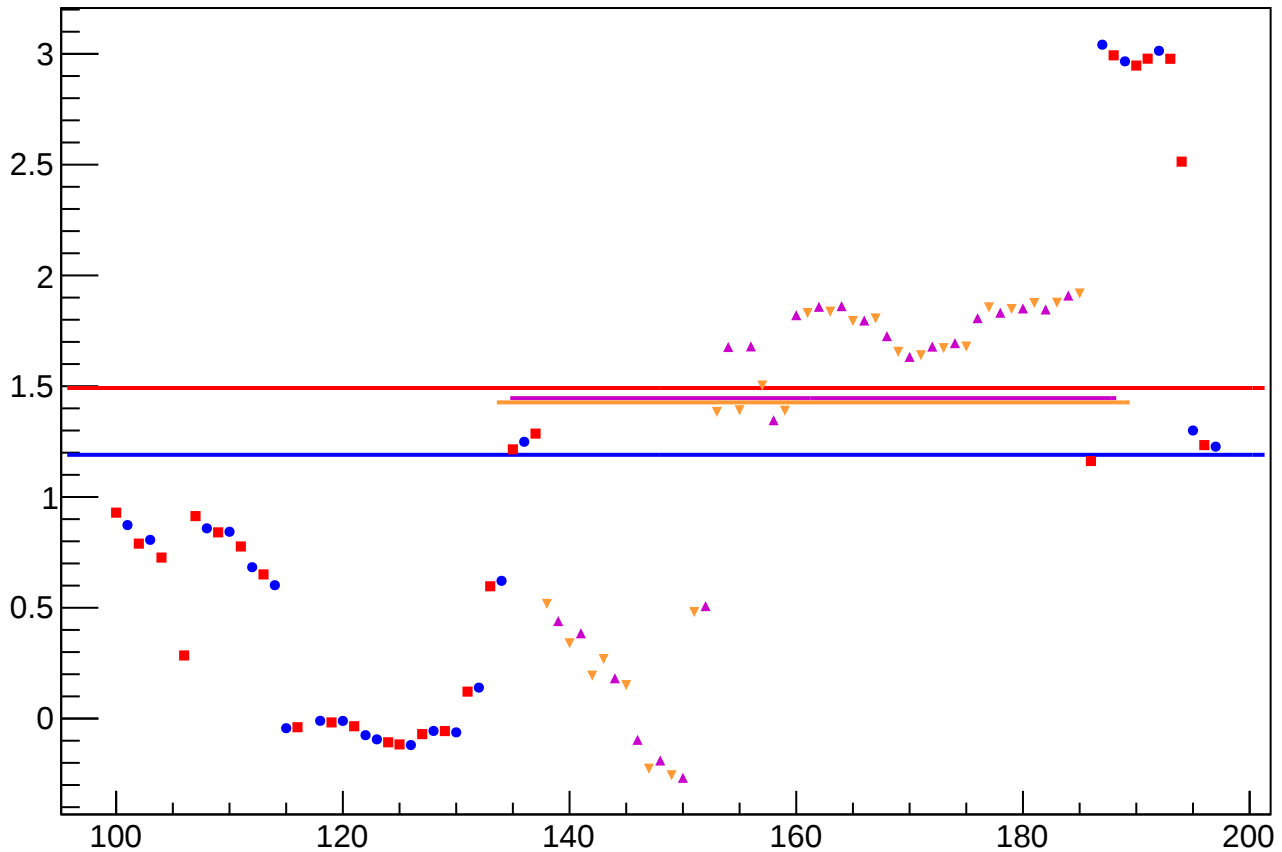
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.004+/-0.000 χ^2/NDF : 7834949.2/46

All: 0.004+/-0.000 χ^2/NDF : 17126709.4/95

- sign 0.004+/-0.000 χ^2/NDF : 9142191.4/48

yield_bpm1i06X_mean vs Slug



Right In: 1.190 $\pm$ 0.000 χ^2 /NDF: 72596848191.6/21

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.492 $\pm$ 0.000 χ^2 /NDF: 97676577005.3/25

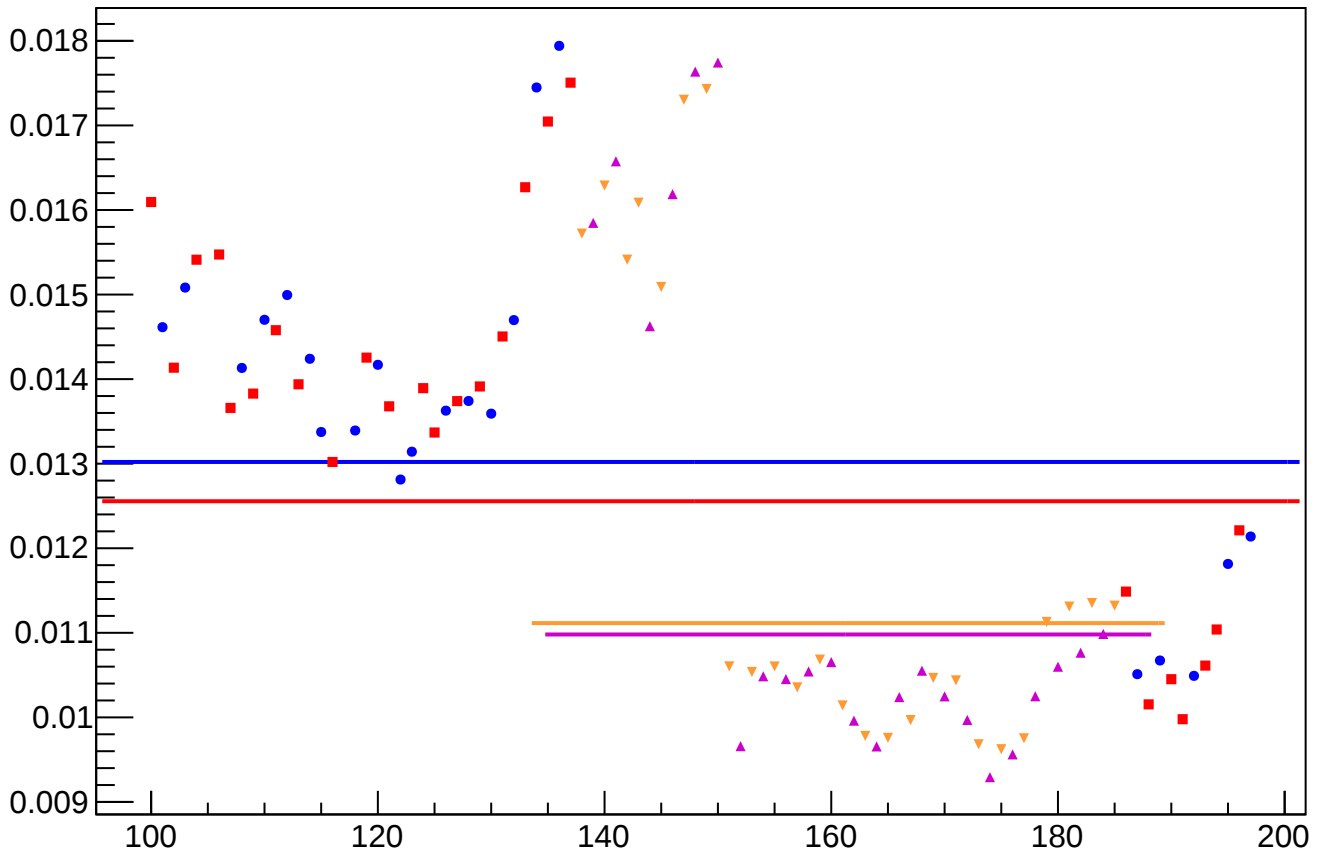
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.360 $\pm$ 0.000 χ^2 /NDF: 124834659032.0/46

All: 1.412 $\pm$ 0.000 χ^2 /NDF: 277396095351.4

- sign 1.461 $\pm$ 0.000 χ^2 /NDF: 151525504653.2/48

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 428923.0/21

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 548126.7/25

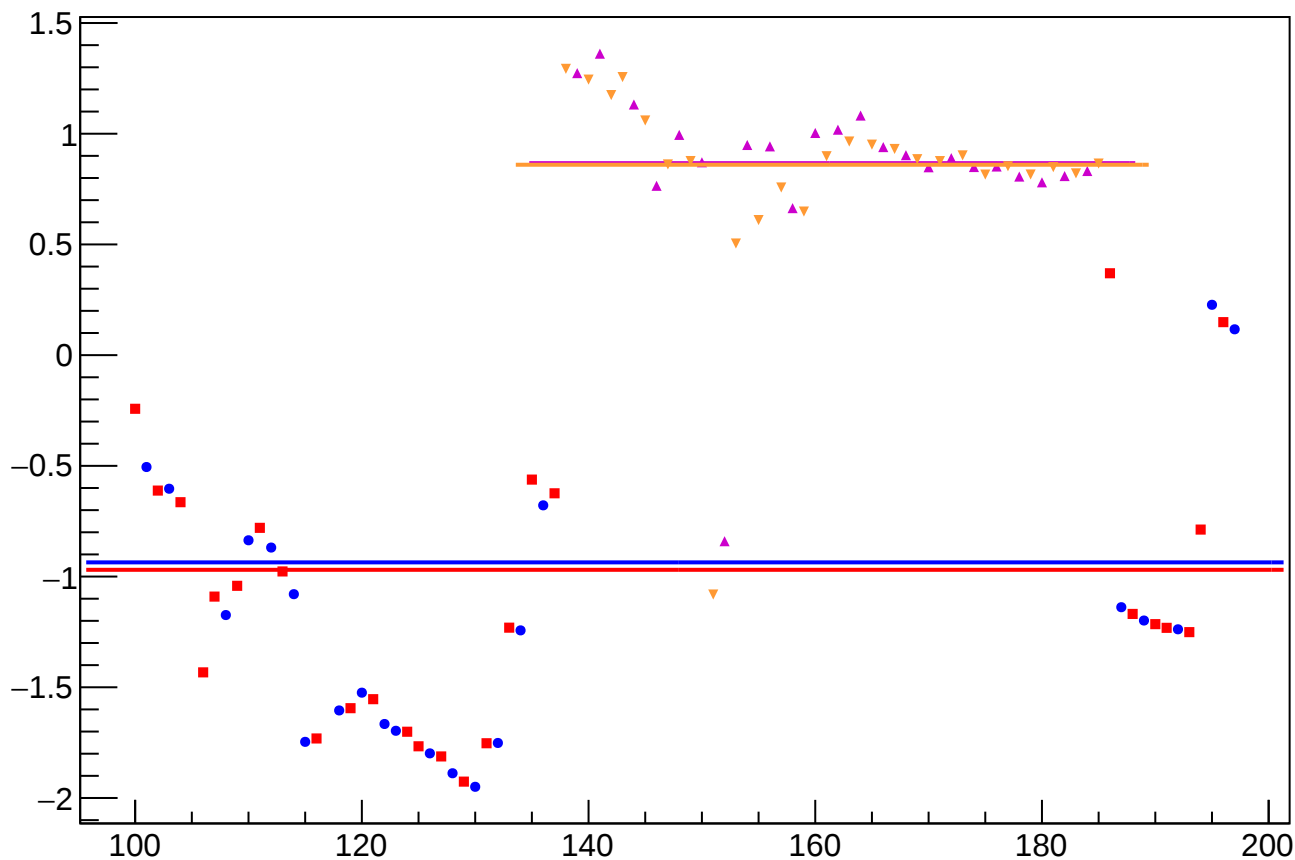
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 1947990.7/46

All: 0.012+/-0.000 χ^2/NDF : 3993189.6/95

- sign 0.012+/-0.000 χ^2/NDF : 2040896.3/48

yield_bpm1i06Y_mean vs Slug



Right In: -0.936 ± 0.000 $\chi^2/\text{NDF}: 106179876271.1/21$

Left Out: 0.860 ± 0.000 $\chi^2/\text{NDF}: 126335891175.4/24$

Right Out: -0.970 ± 0.000 $\chi^2/\text{NDF}: 87561342835.3/25$

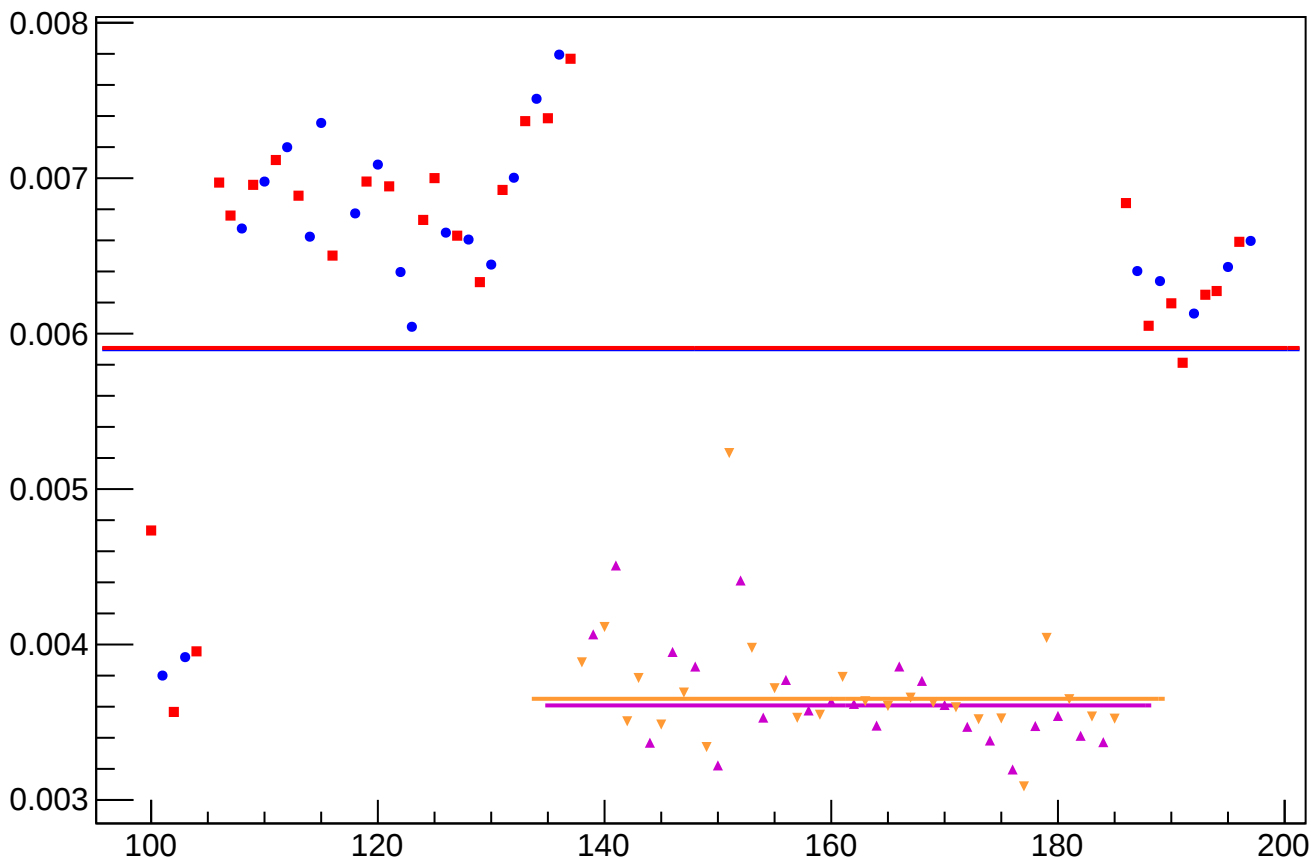
Left In: 0.867 ± 0.000 $\chi^2/\text{NDF}: 147039402944.6/22$

+ sign 0.557 ± 0.000 $\chi^2/\text{NDF}: 913410840707.8/46$

All: 0.533 ± 0.000 $\chi^2/\text{NDF}: 1943125222313.$

- sign 0.509 ± 0.000 $\chi^2/\text{NDF}: 1027977696513.6/48$

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 884699.8/21

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 977703.9/25

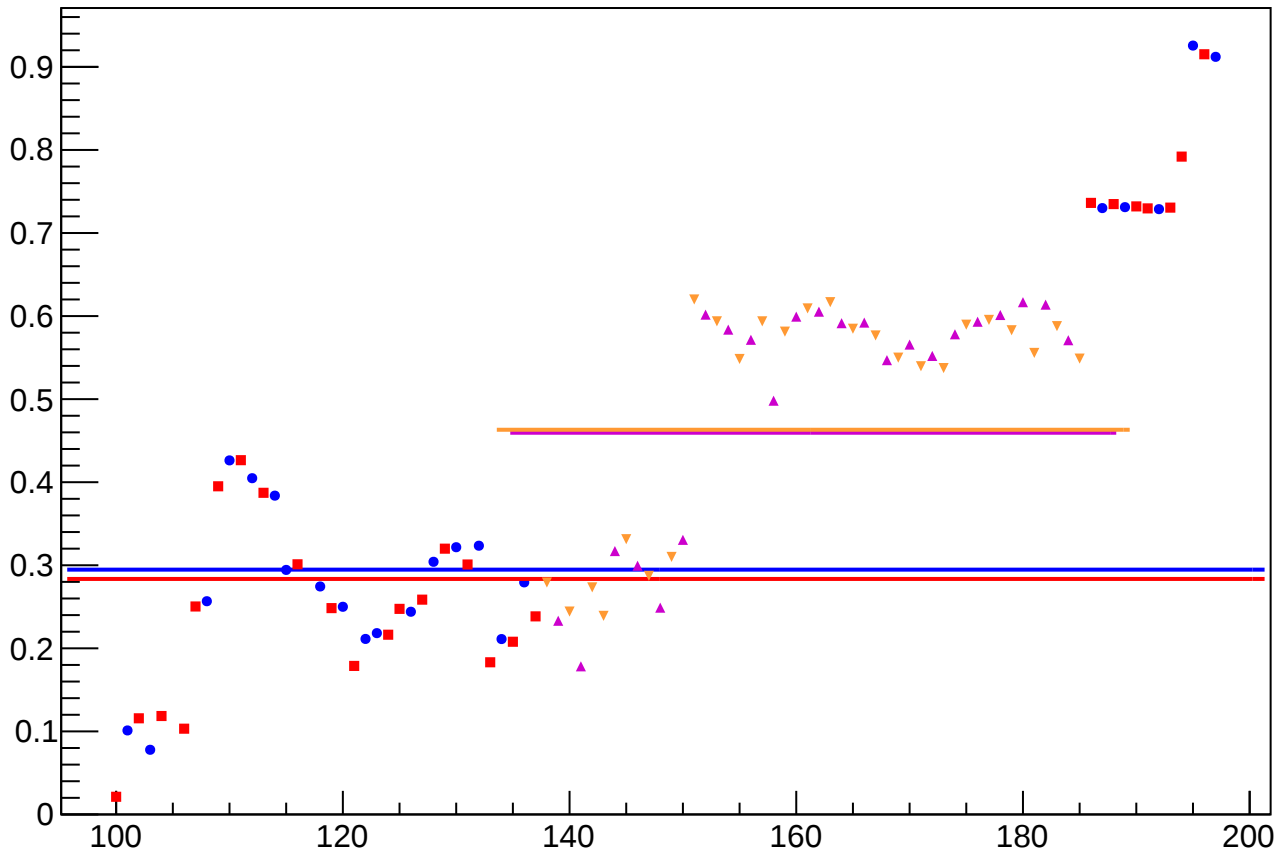
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3257515.1/46

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6951913.3/95

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3693333.1/48

yield_bpm2i01X_mean vs Slug



Right In: 0.295 $\pm$ 0.000 χ^2 /NDF: 76890536080.9/21

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF:102506270538.7/24

Right Out: 0.284 $\pm$ 0.000 χ^2 /NDF: 94484418041.2/25

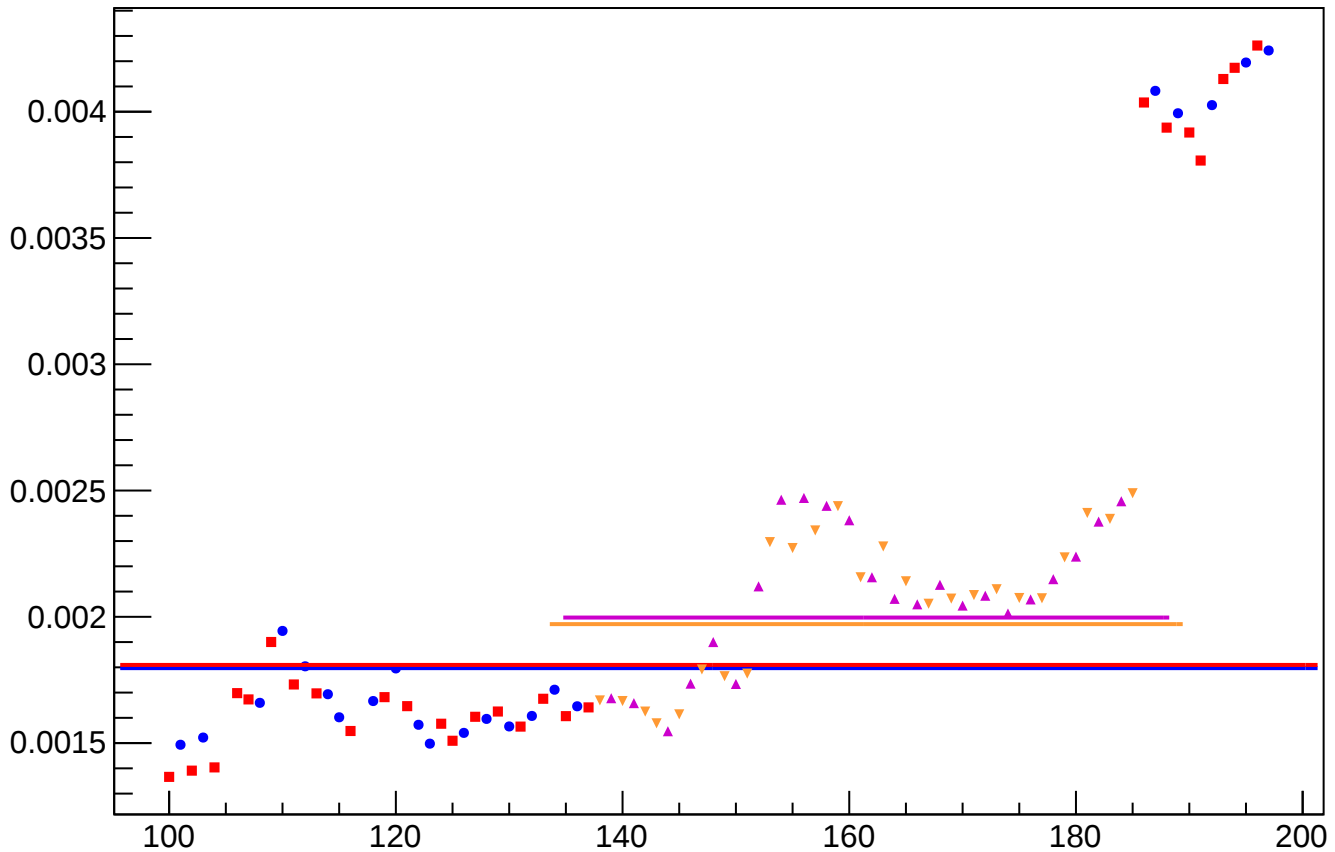
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF:104559088628.4/22

+ sign 0.402 $\pm$ 0.000 χ^2 /NDF: 226694631155.8/46

All: 0.394 $\pm$ 0.000 χ^2 /NDF: 480516859160.7

- sign 0.387 $\pm$ 0.000 χ^2 /NDF: 252972690162.7/48

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2152985.1/21

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 2938292.0/25

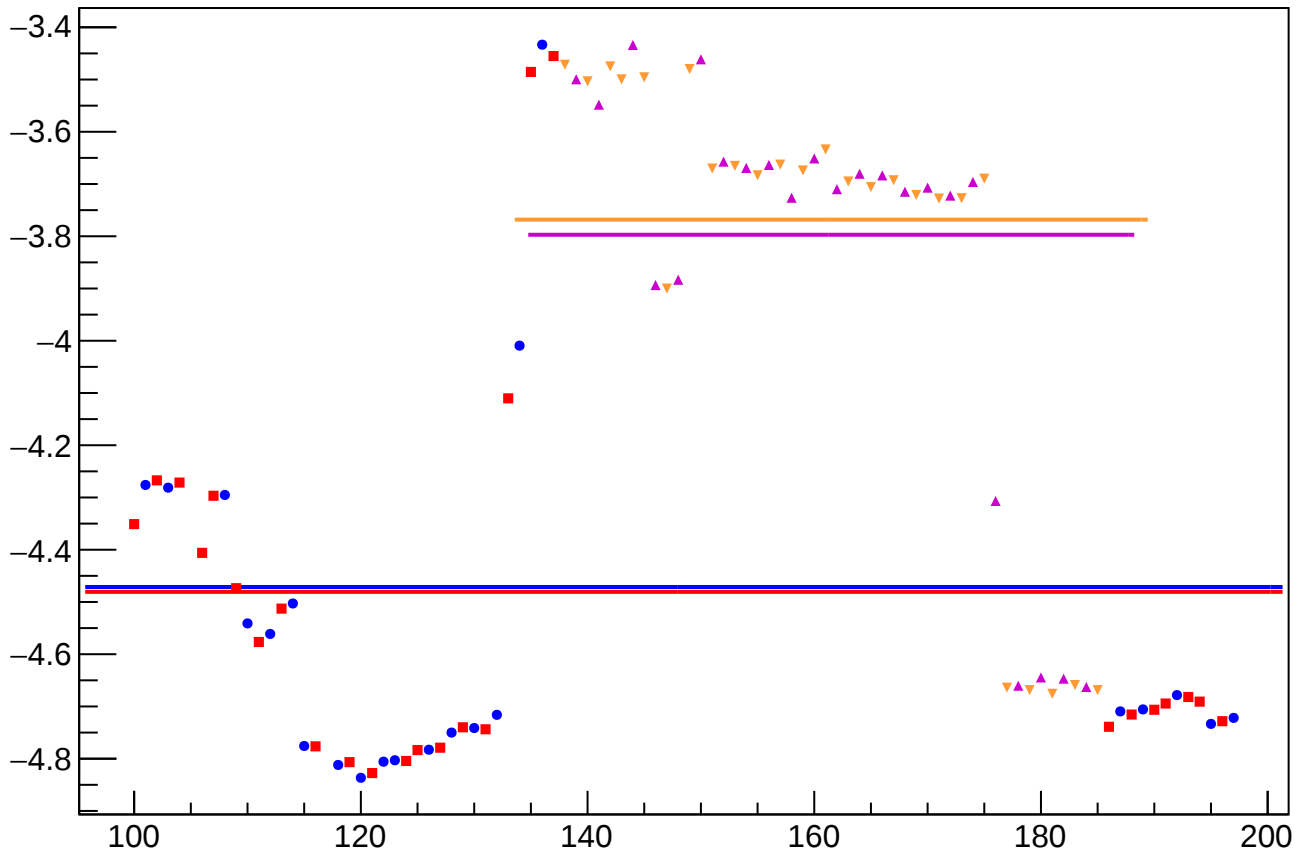
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 2984492.6/46

All: 0.002+/-0.000 χ^2/NDF : 6712645.5/95

- sign 0.002+/-0.000 χ^2/NDF : 3727190.1/48

yield_bpm2i01Y_mean vs Slug



Right In: -4.471+/-0.000 χ^2/NDF : 411678094049.1/21

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.481+/-0.000 χ^2/NDF : 350863303299.2/25

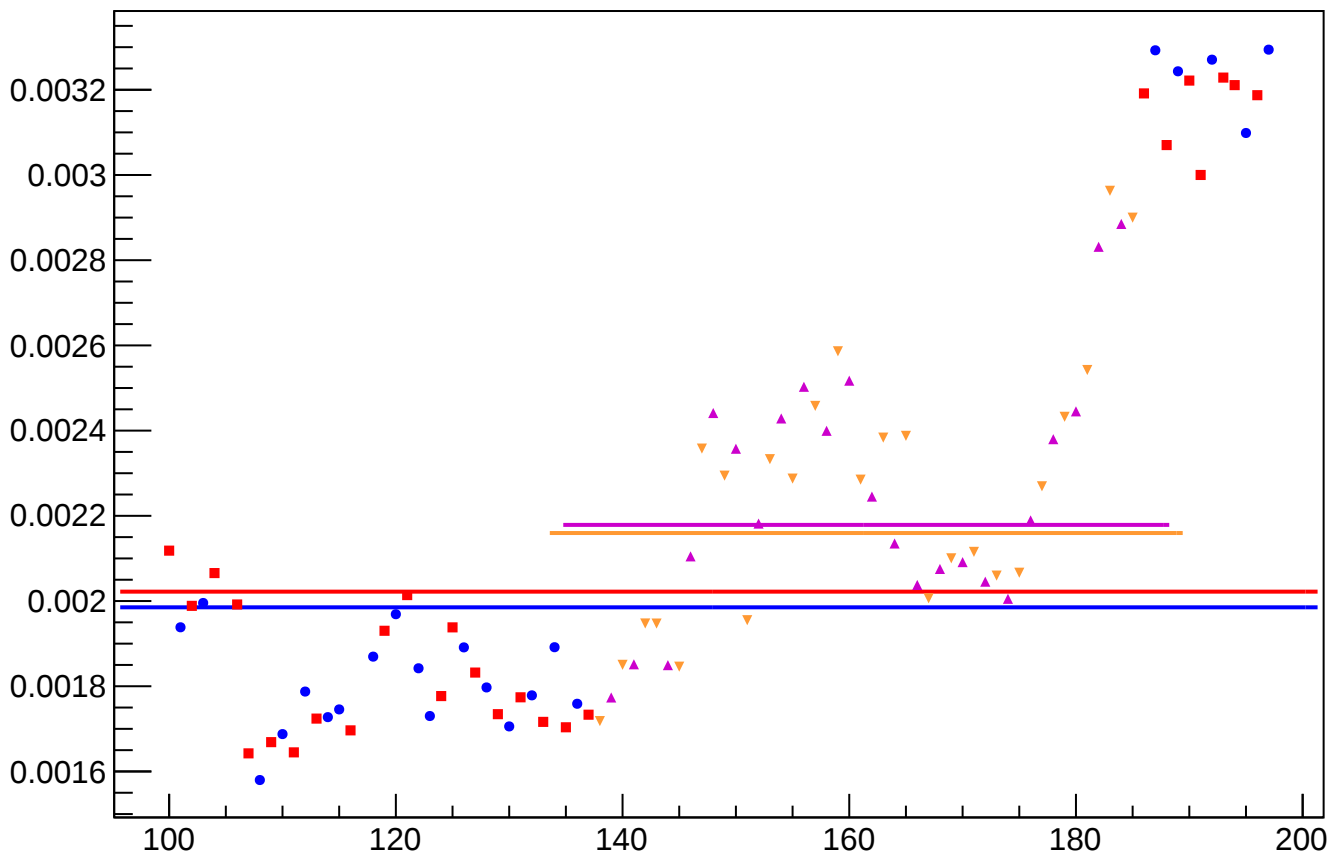
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.032+/-0.000 χ^2/NDF : 1634750420993.2/4

All: -4.057+/-0.000 χ^2/NDF : 3129834922252

- sign -4.082+/-0.000 χ^2/NDF : 1487310949248.9/4

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1076074.6/21

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 1387763.9/25

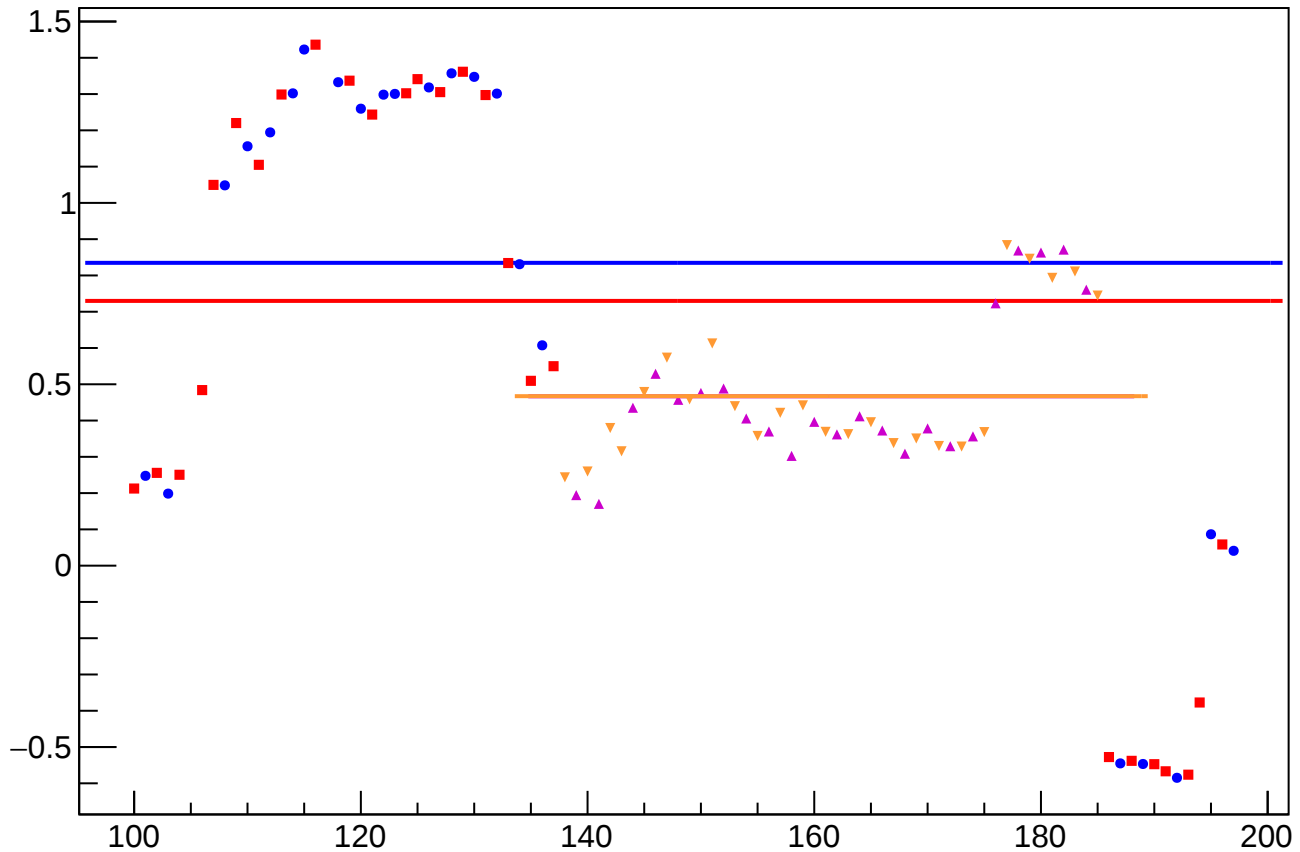
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 1710800.4/46

All: 0.002+/-0.000 χ^2/NDF : 3636752.2/95

- sign 0.002+/-0.000 χ^2/NDF : 1923733.6/48

yield_bpm2i02X_mean vs Slug



Right In: 0.835 $\pm$ 0.000 χ^2/NDF : 60367032445.5/21

Left Out: 0.467 $\pm$ 0.000 χ^2/NDF : 7359344143.3/24

Right Out: 0.730 $\pm$ 0.000 χ^2/NDF : 85182693046.0/25

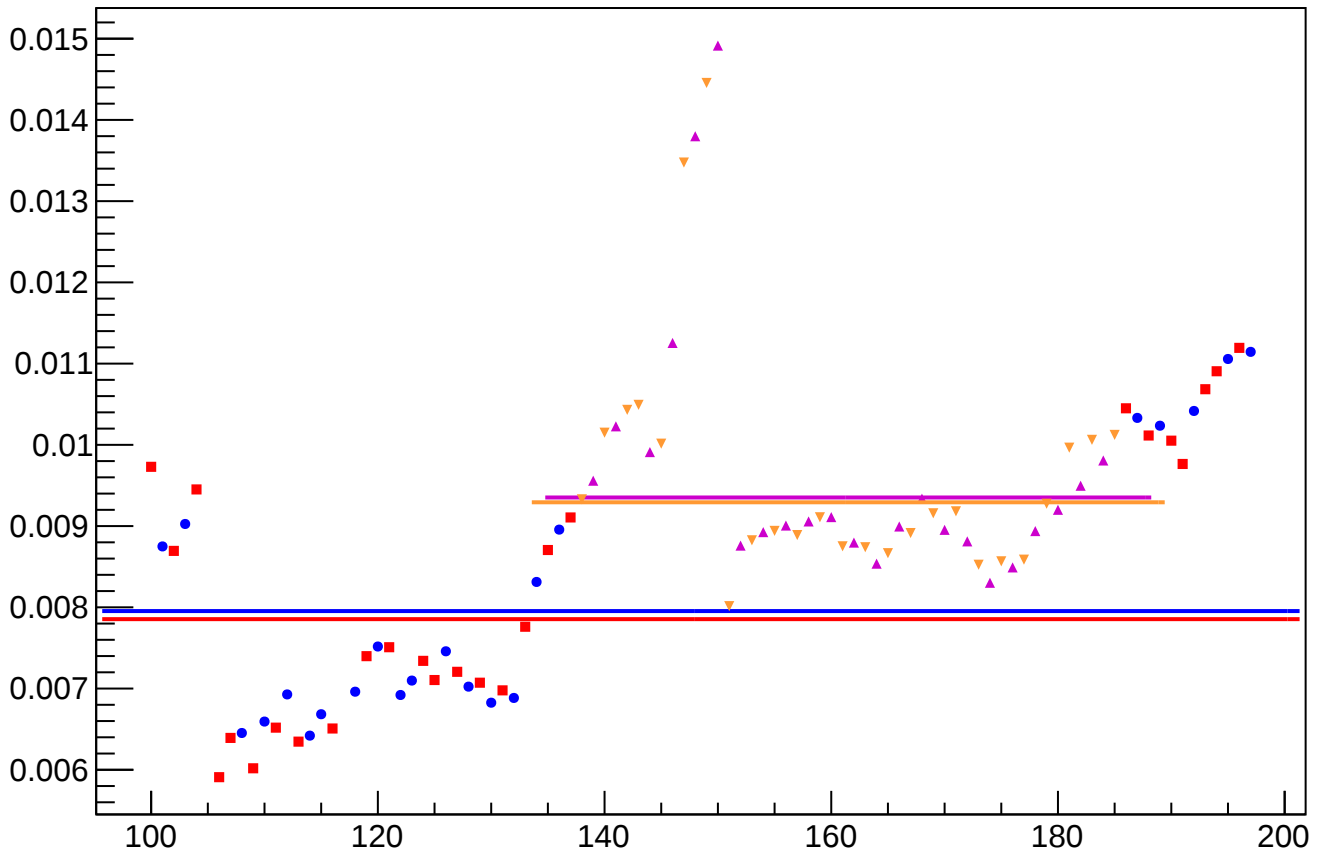
Left In: 0.467 $\pm$ 0.000 χ^2/NDF : 8036741308.0/22

+ sign 0.620 $\pm$ 0.000 χ^2/NDF : 79465834349.2/46

All: 0.606 $\pm$ 0.000 χ^2/NDF : 179206473362.7

- sign 0.592 $\pm$ 0.000 χ^2/NDF : 99593171536.0/48

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 682314.4/21

Left Out: 0.009+/-0.000 χ^2/NDF : 528279.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 970666.0/25

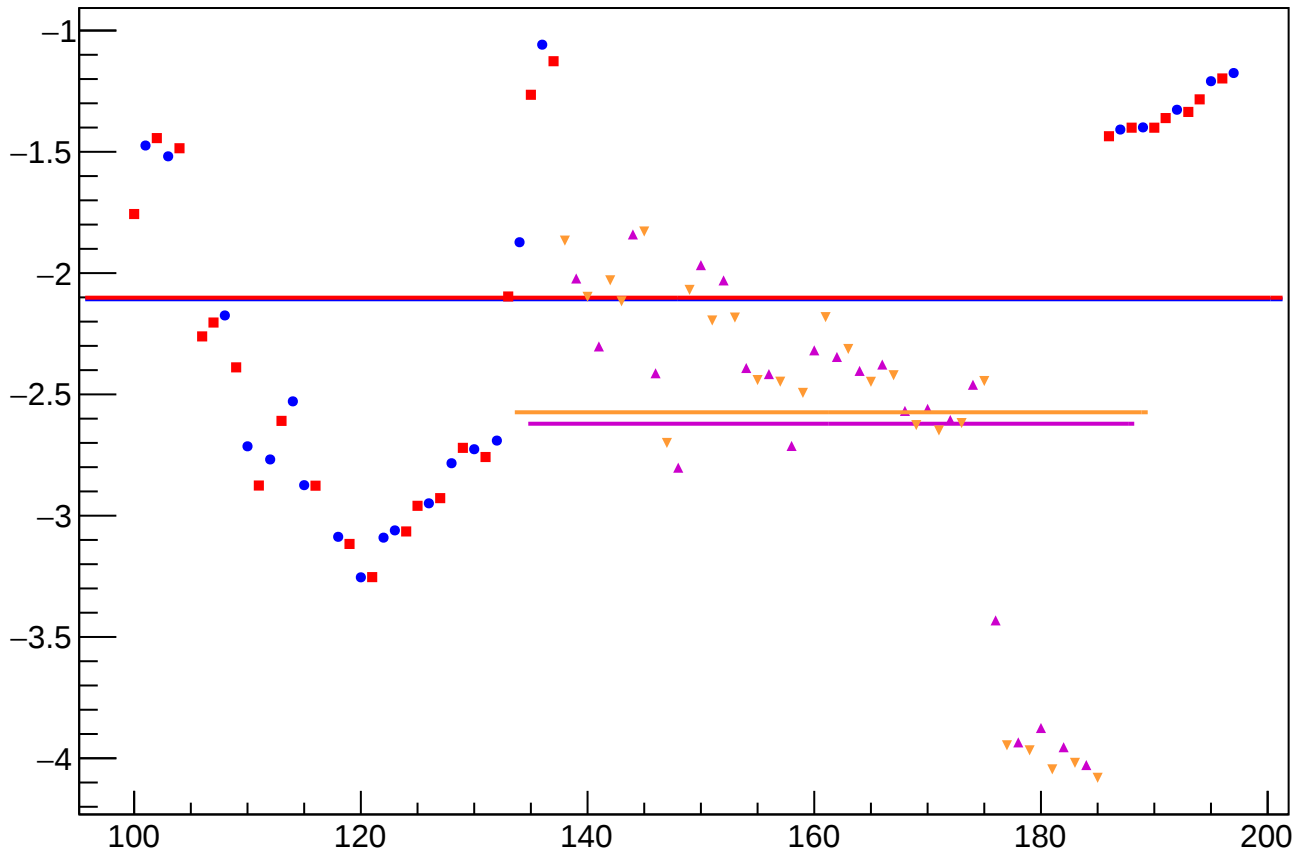
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 1522150.6/46

All: 0.009+/-0.000 χ^2/NDF : 3466928.2/95

- sign 0.009+/-0.000 χ^2/NDF : 1941535.2/48

yield_bpm2i02Y_mean vs Slug



Right In: -2.108 ± 0.000 $\chi^2/\text{NDF}: 102199000762.6/21$

Left Out: -2.574 ± 0.000 $\chi^2/\text{NDF}: 99176112704.9/24$

Right Out: -2.101 ± 0.000 $\chi^2/\text{NDF}: 100408691481.9/25$

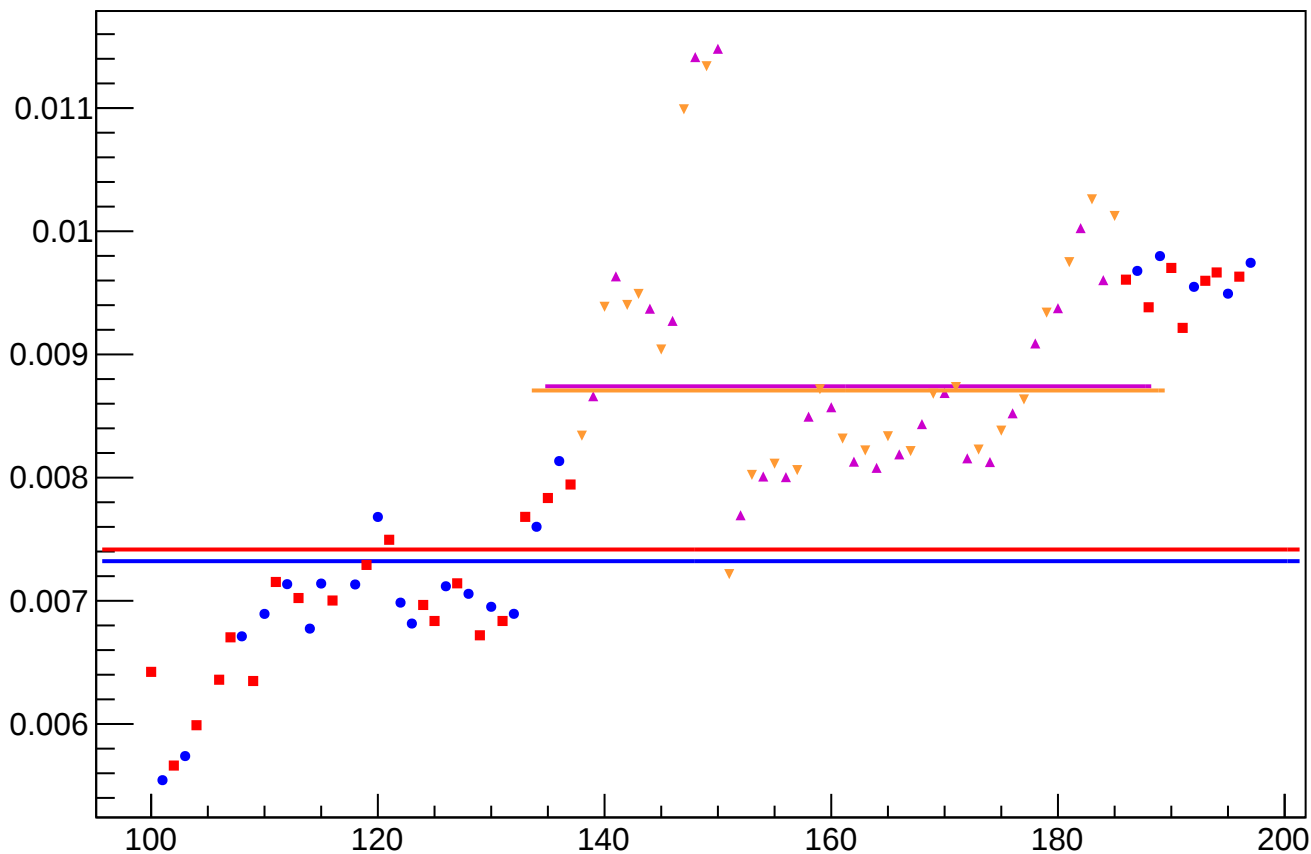
Left In: -2.621 ± 0.000 $\chi^2/\text{NDF}: 80862402796.4/22$

+ sign -2.376 ± 0.000 $\chi^2/\text{NDF}: 223437818039.8/46$

All: -2.376 ± 0.000 $\chi^2/\text{NDF}: 433220329249.8$

- sign -2.376 ± 0.000 $\chi^2/\text{NDF}: 209782505440.0/48$

yield_bpm2i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 598024.1/21

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:369376.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 674739.8/25

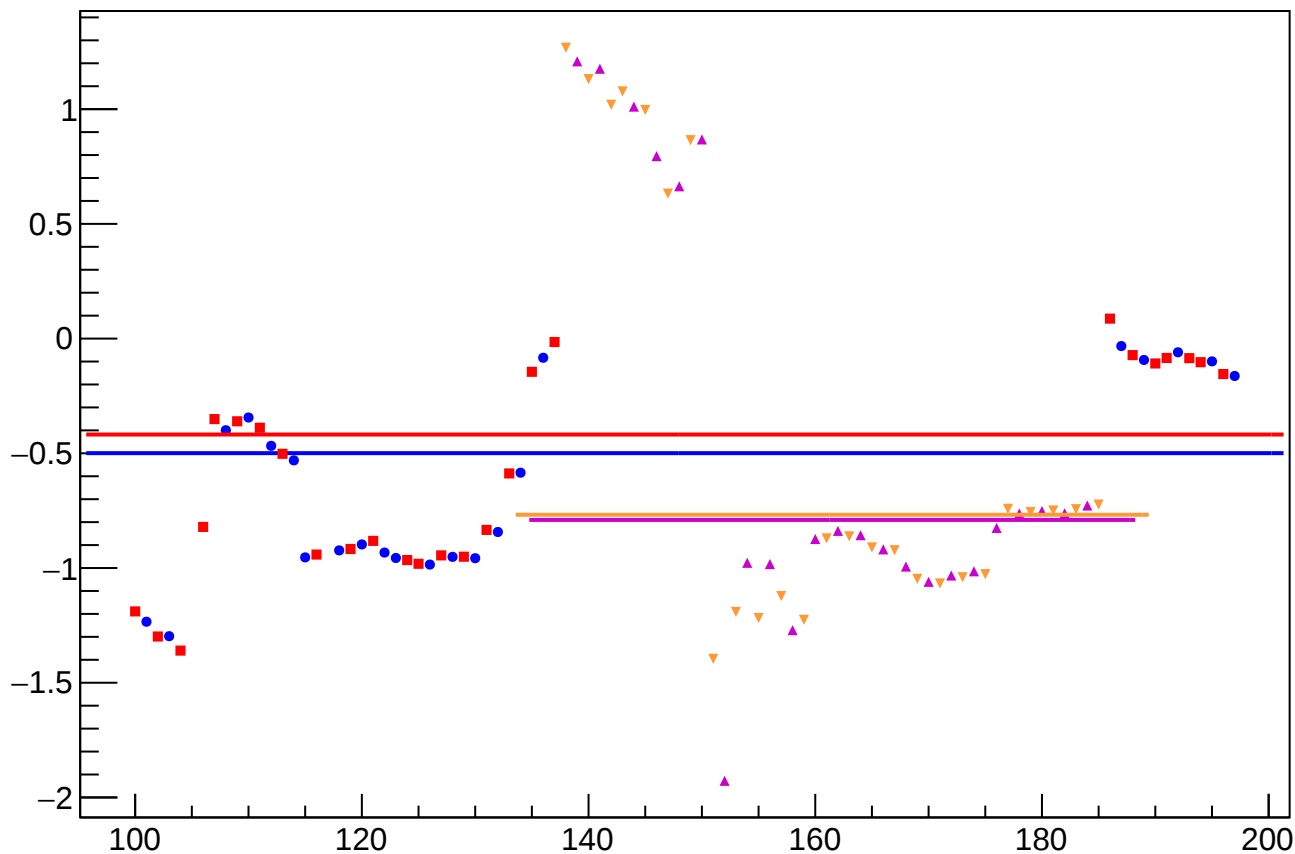
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:353750.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1357743.6/46

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2756816.7/95

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1399071.3/48

yield_bpm0i01X_mean vs Slug



Right In: -0.499+/-0.000 χ^2/NDF : 20453792442.4/21

Left Out: -0.768+/-0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.418+/-0.000 χ^2/NDF : 24032494366.6/25

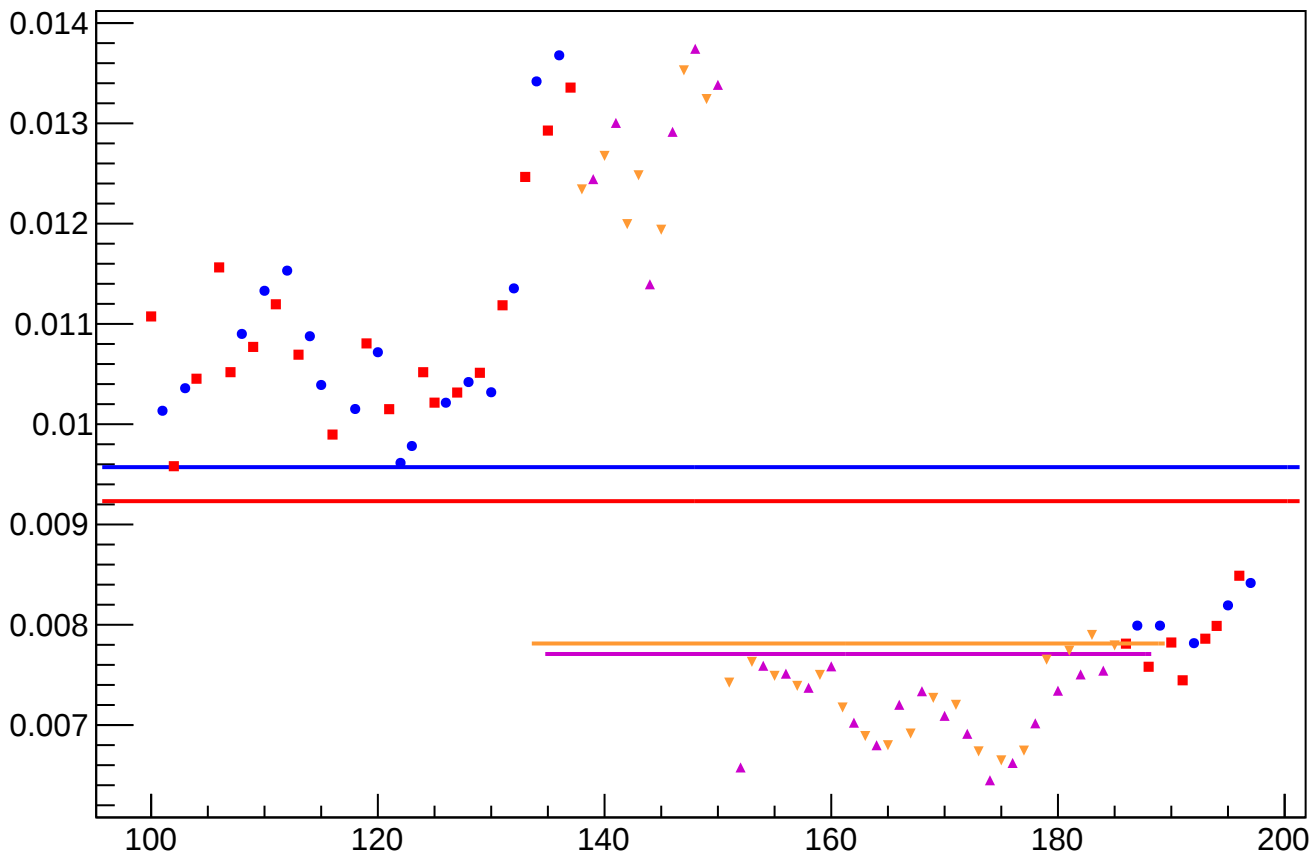
Left In: -0.790+/-0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.696+/-0.000 χ^2/NDF : 146641928510.0/46

All: -0.684+/-0.000 χ^2/NDF : 306201808638.3

- sign -0.672+/-0.000 χ^2/NDF : 159447414111.3/48

yield_bpm0i01X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 504267.7/21

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1705997.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 618914.5/25

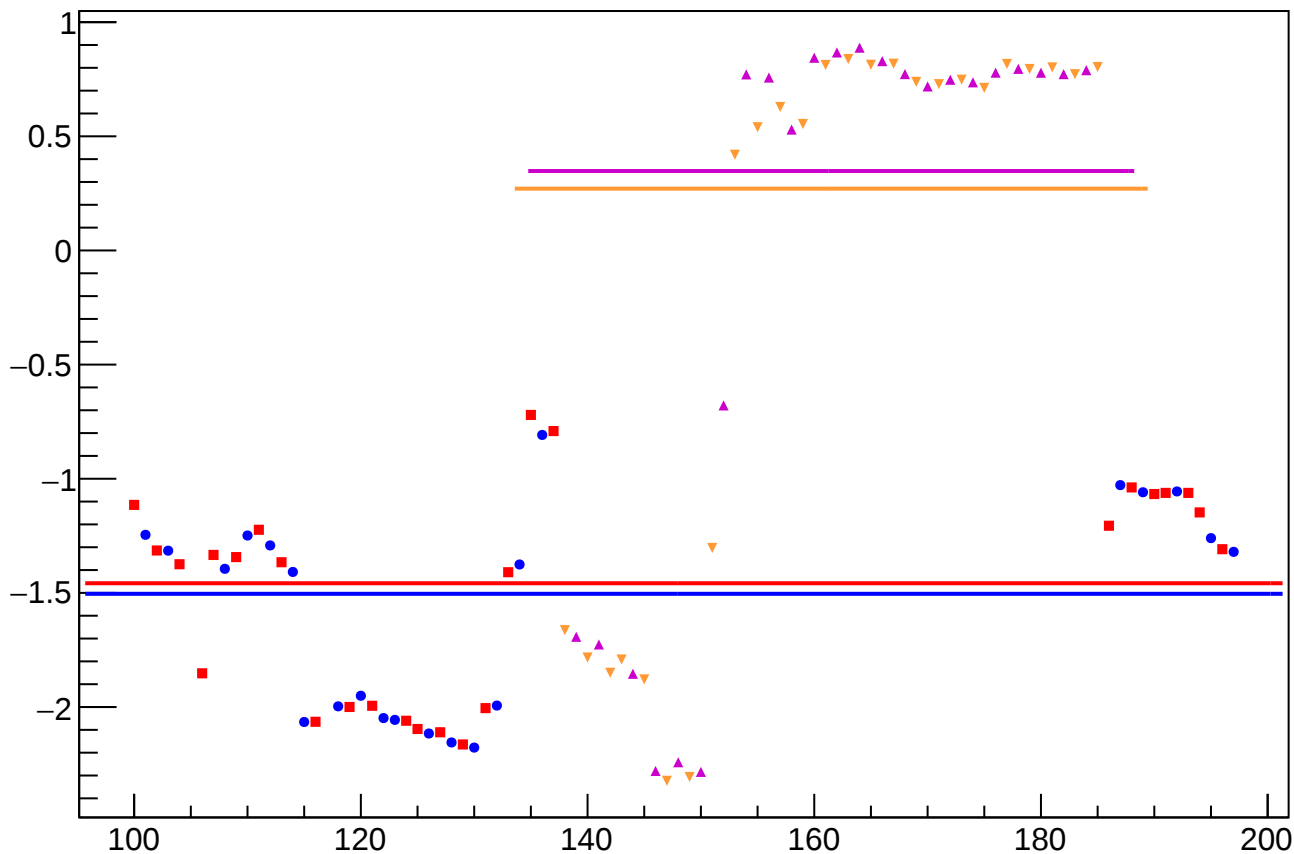
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2674671.2/46

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5444406.8/95

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2766580.4/48

yield_bpm0i01Y_mean vs Slug



Right In: -1.504+/-0.000 χ^2 /NDF: 171781916920.5/21

Left Out: 0.271+/-0.000 χ^2 /NDF: 2583233987355.9/24

Right Out: -1.458+/-0.000 χ^2 /NDF: 162928732183.6/25

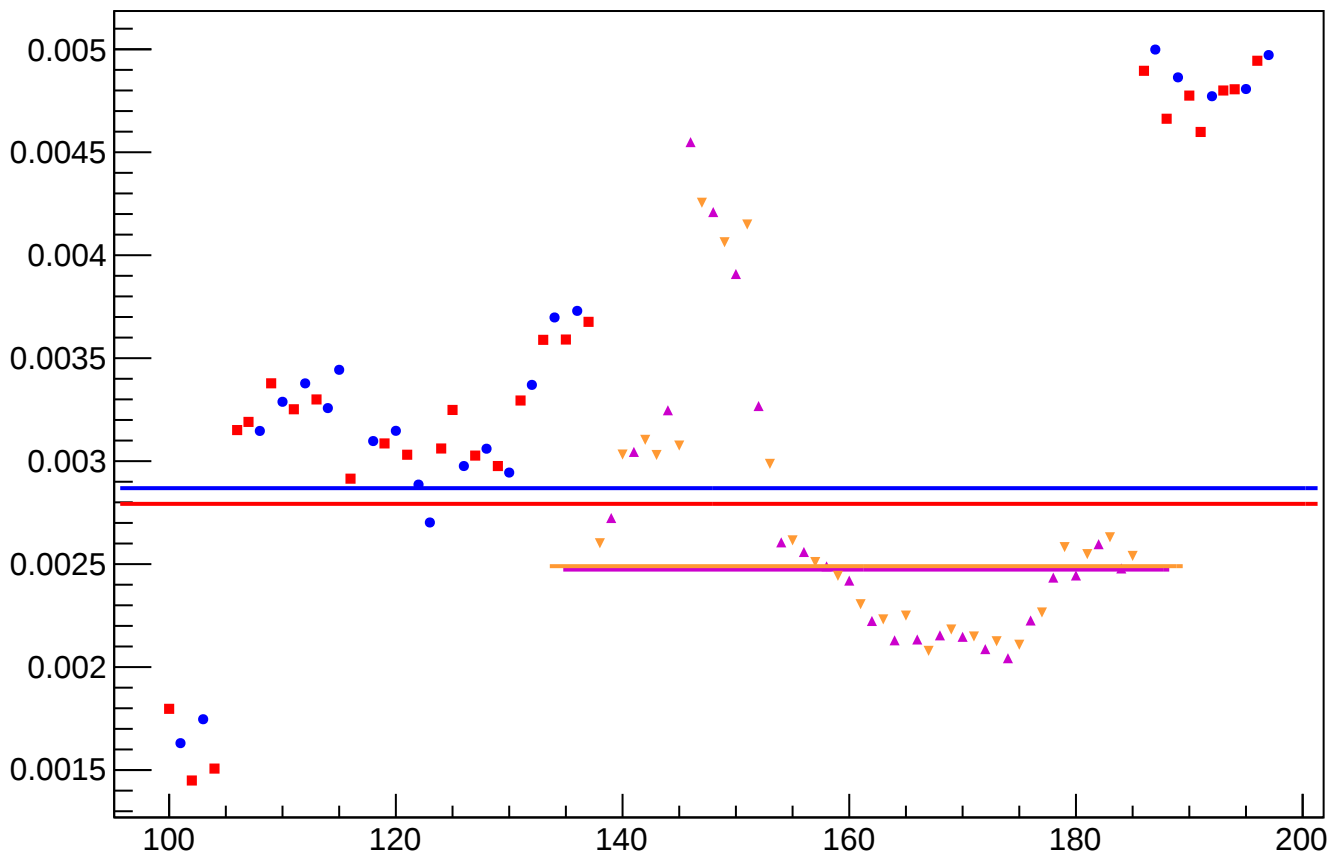
Left In: 0.348+/-0.000 χ^2 /NDF: 2274004426513.8/22

+ sign -0.211+/-0.000 χ^2 /NDF: 4995478014897.6/4

All: -0.216+/-0.000 χ^2 /NDF: 9987054041832

- sign -0.222+/-0.000 χ^2 /NDF: 4991351147648.5/4

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 2154173.6/21

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1070282.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 3187399.9/25

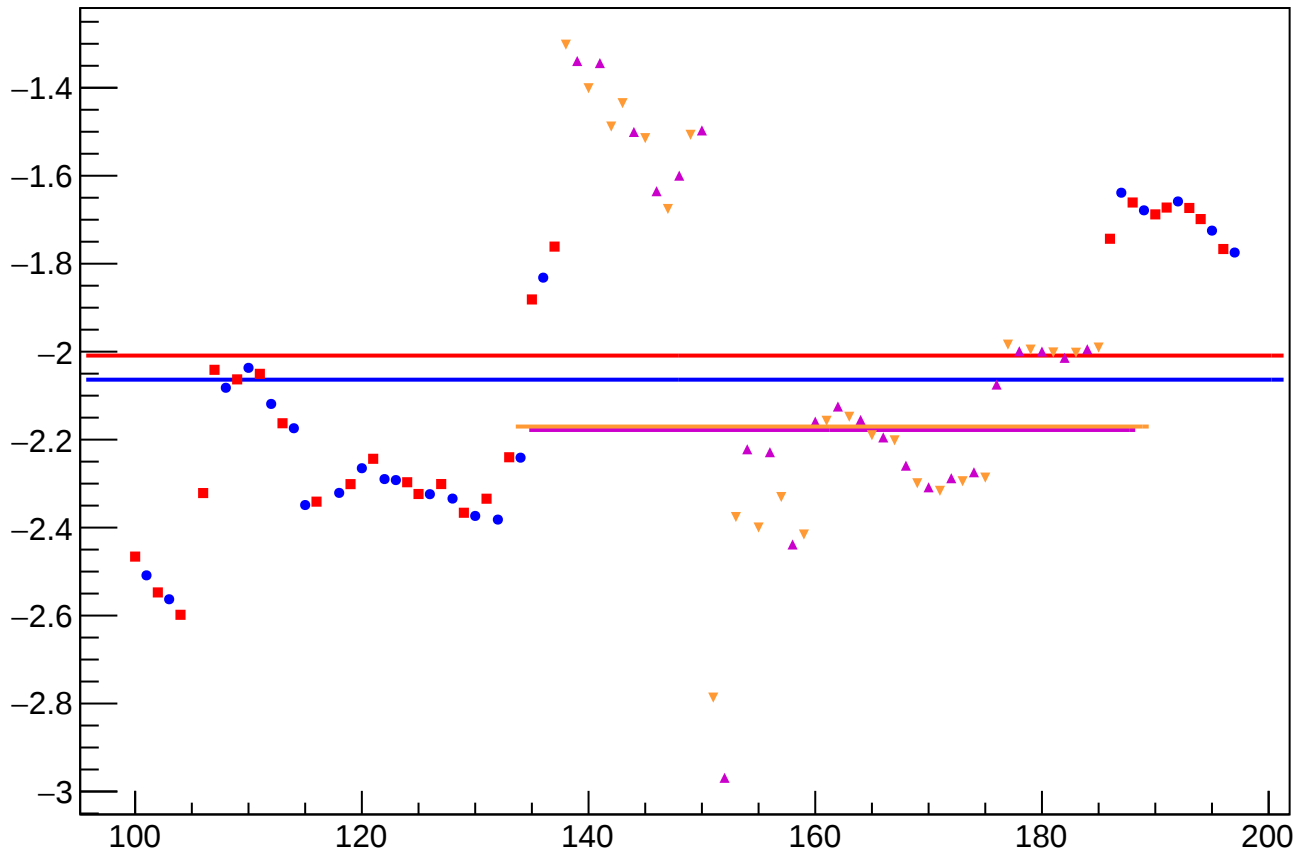
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3428584.2/46

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 7912168.1/95

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4482328.1/48

yield_bpm0i01aX_mean vs Slug



Right In: -2.064+/-0.000 χ^2/NDF : 26809091014.1/21

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -2.009+/-0.000 χ^2/NDF : 32472817499.7/25

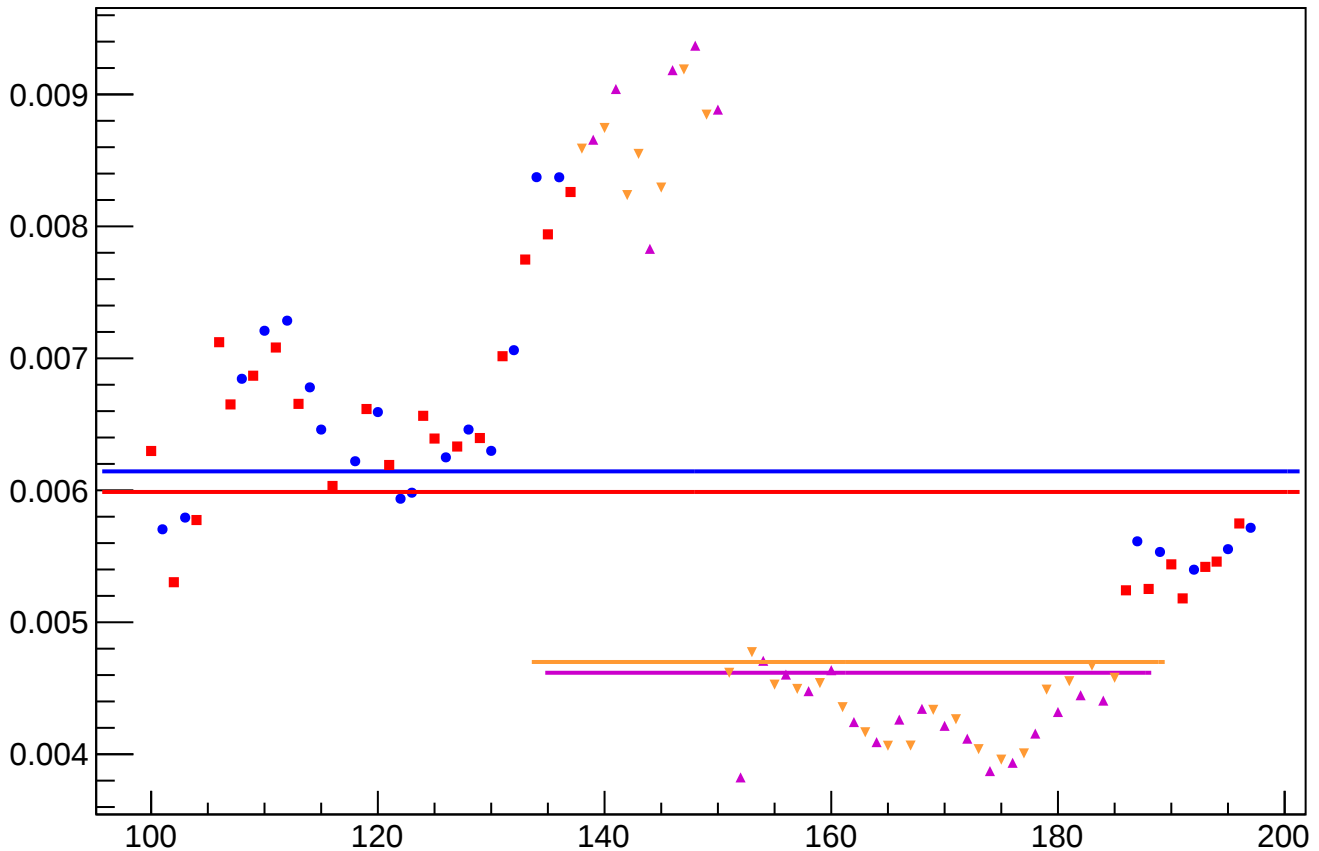
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.144+/-0.000 χ^2/NDF : 88899475401.3/46

All: -2.136+/-0.000 χ^2/NDF : 201005425423.5

- sign -2.129+/-0.000 χ^2/NDF : 111988792088.8/48

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 294868.2/21

Left Out: 0.005+/-0.000 χ^2/NDF : 2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 348876.6/25

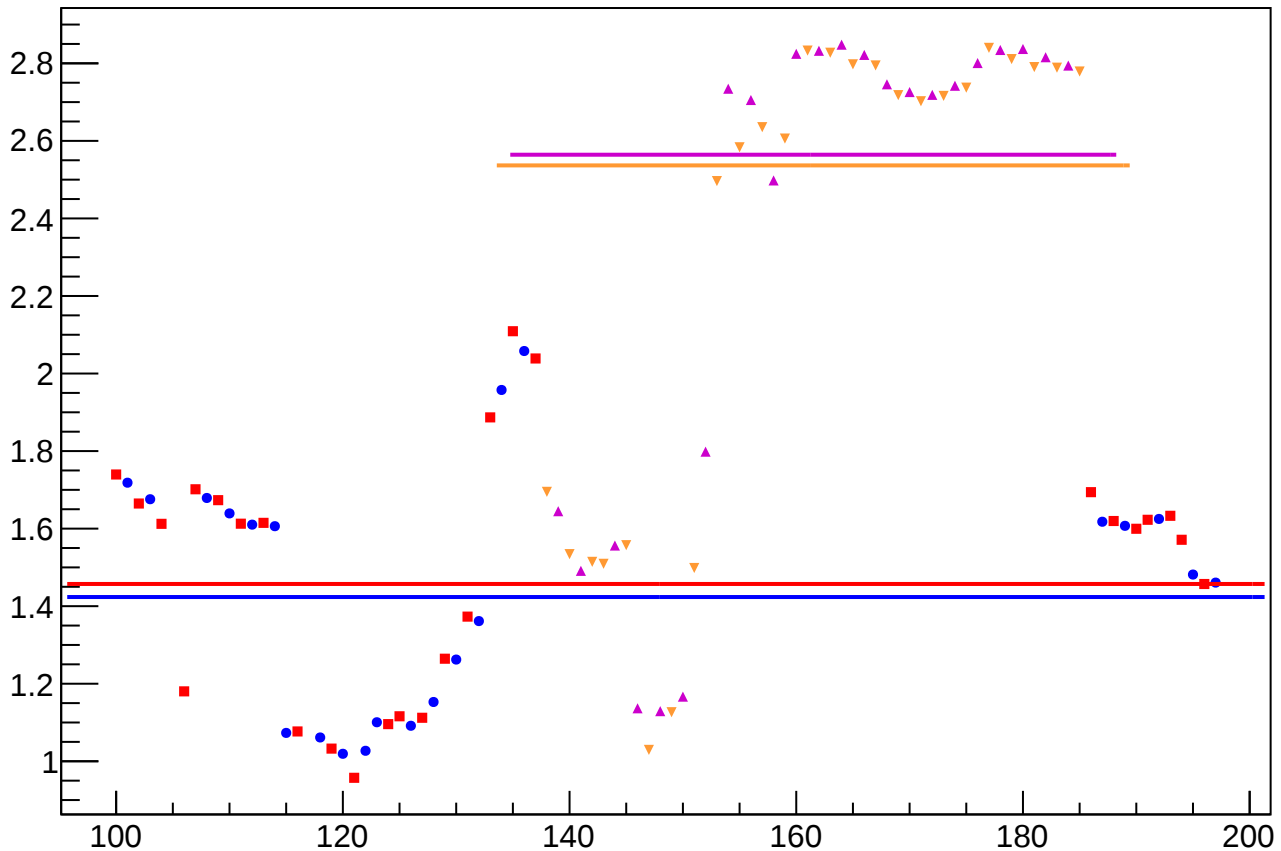
Left In: 0.005+/-0.000 χ^2/NDF : 2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3394627.4/46

All: 0.005+/-0.000 χ^2/NDF : 6914753.8/95

- sign 0.005+/-0.000 χ^2/NDF : 3518534.0/48

yield_bpm0i01aY_mean vs Slug



Right In: 1.424 $\pm$ 0.000 χ^2 /NDF: 174087393162.2/21

Left Out: 2.537 $\pm$ 0.000 χ^2 /NDF: 269554948115.3/24

Right Out: 1.457 $\pm$ 0.000 χ^2 /NDF: 176653741436.3/25

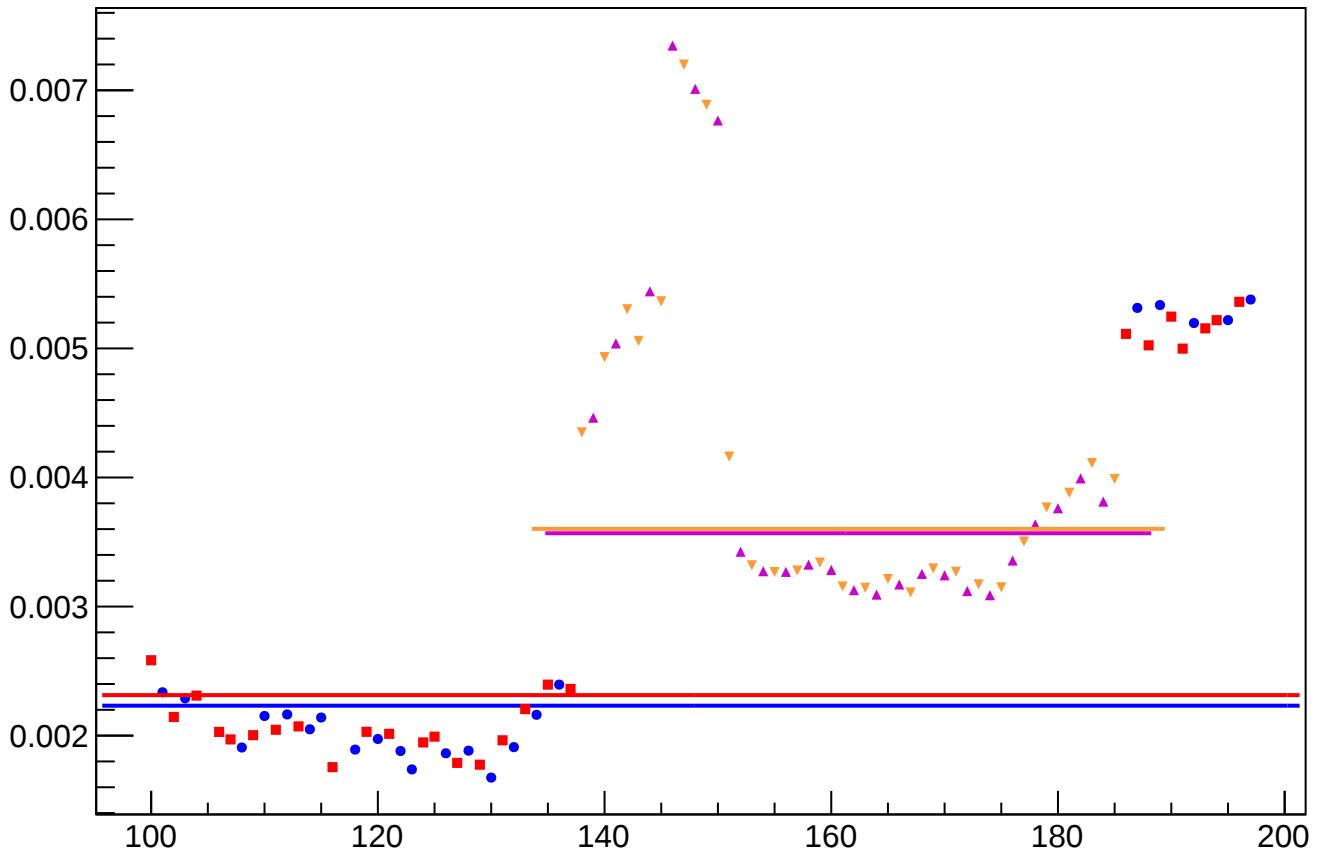
Left In: 2.564 $\pm$ 0.000 χ^2 /NDF: 260287937727.8/22

+ sign 1.916 $\pm$ 0.000 χ^2 /NDF: 1334456309970.9/46

All: 1.916 $\pm$ 0.000 χ^2 /NDF: 2650681565284.

- sign 1.917 $\pm$ 0.000 χ^2 /NDF: 1316223844008.4/48

yield_bpm0i01aY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2317357.5/21

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1410717.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2926553.6/25

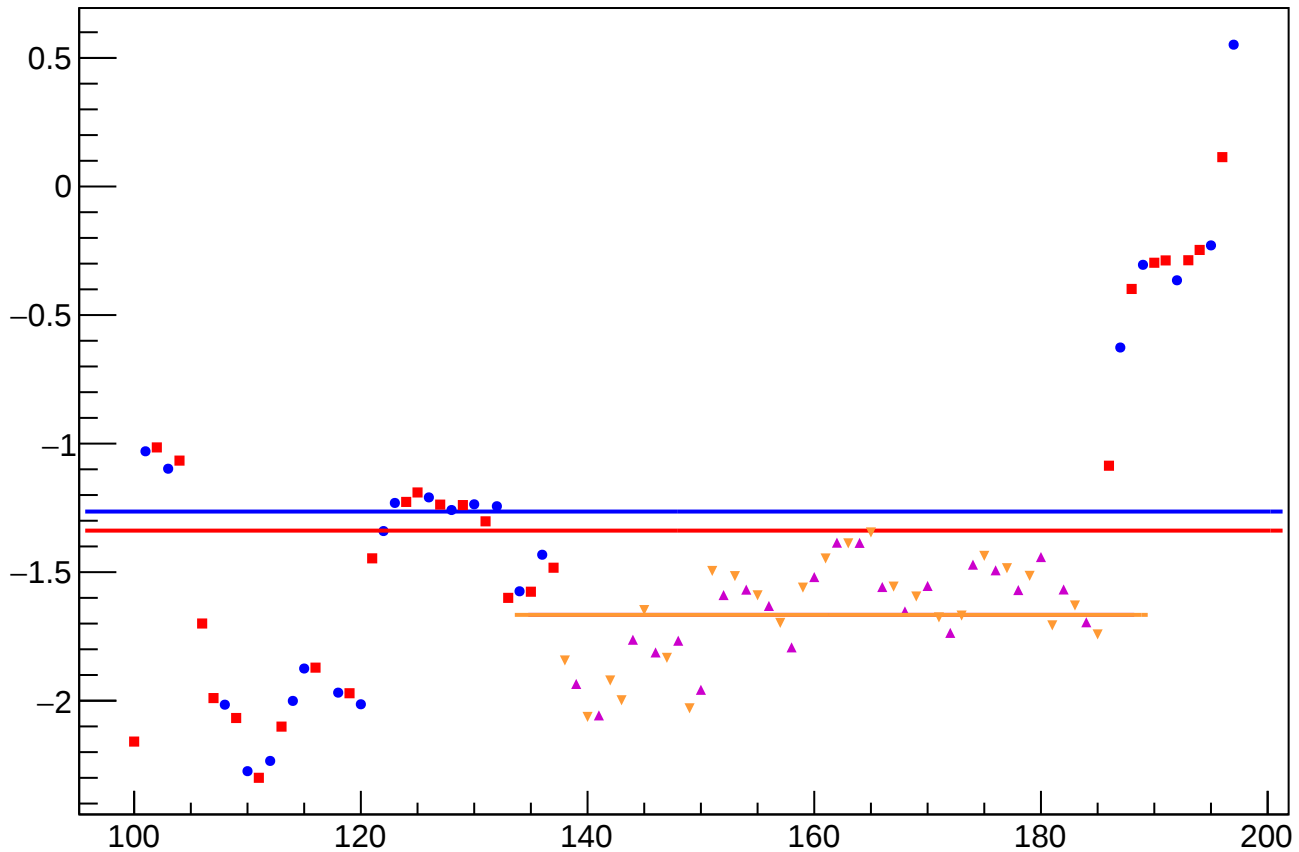
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1563028.0/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6428011.3/46

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 13174252.3/95

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6746207.4/48

yield_bpm0l01X_mean vs Slug



Right In: -1.264+/-0.000 χ^2/NDF : 69693904744.5/21

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.338+/-0.000 χ^2/NDF : 89262408863.5/25

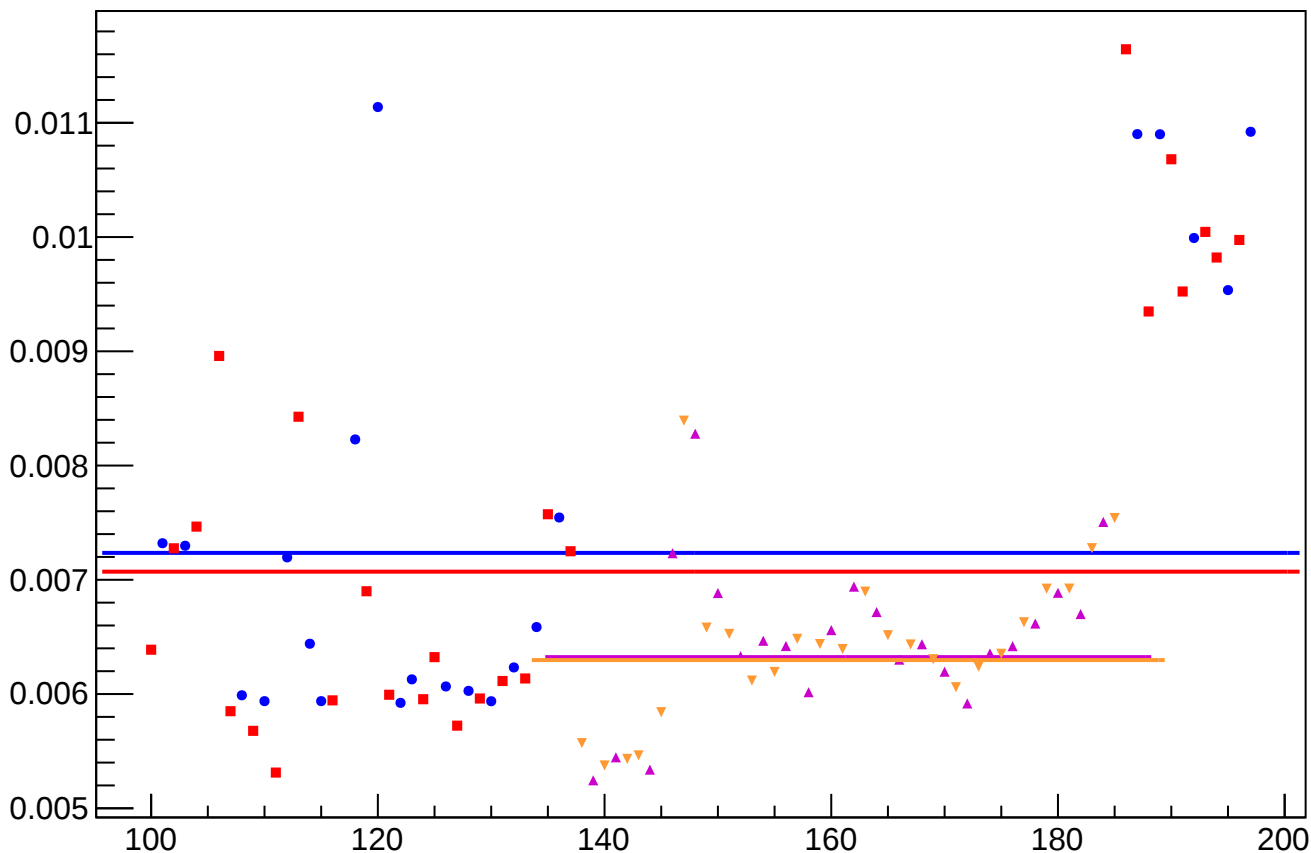
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.556+/-0.000 χ^2/NDF : 107557621081.8/46

All: -1.556+/-0.000 χ^2/NDF : 225777989366.9

- sign -1.557+/-0.000 χ^2/NDF : 118219962821.0/48

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 852946.7/21

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:310757.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 1103022.5/25

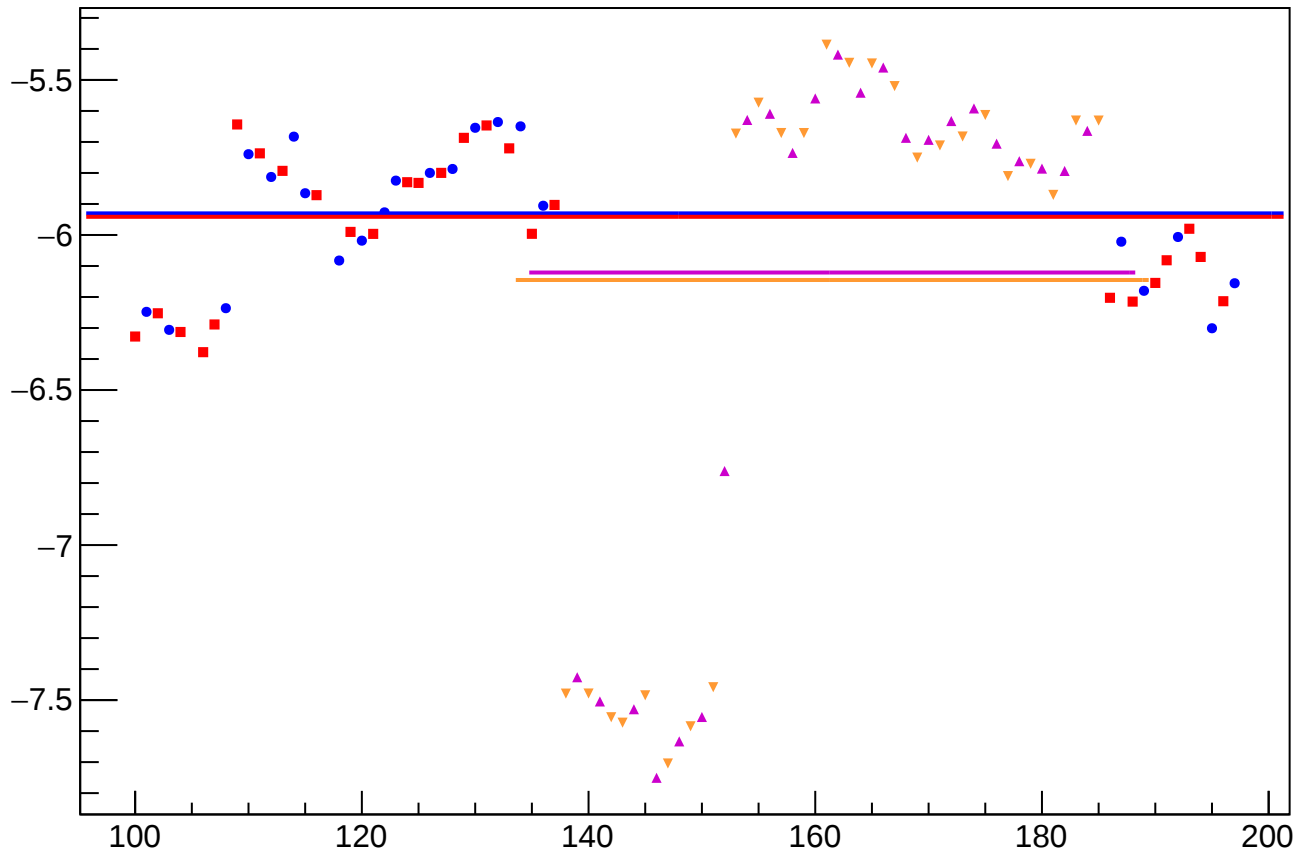
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:330859.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1376720.6/46

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2963623.7/95

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1586715.0/48

yield_bpm0l01Y_mean vs Slug



Right In: -5.930 ± 0.000 $\chi^2/\text{NDF}: 12309525071.5/21$

Left Out: -6.145 ± 0.000 $\chi^2/\text{NDF}: 185364150237.7/24$

Right Out: -5.941 ± 0.000 $\chi^2/\text{NDF}: 14043728676.0/25$

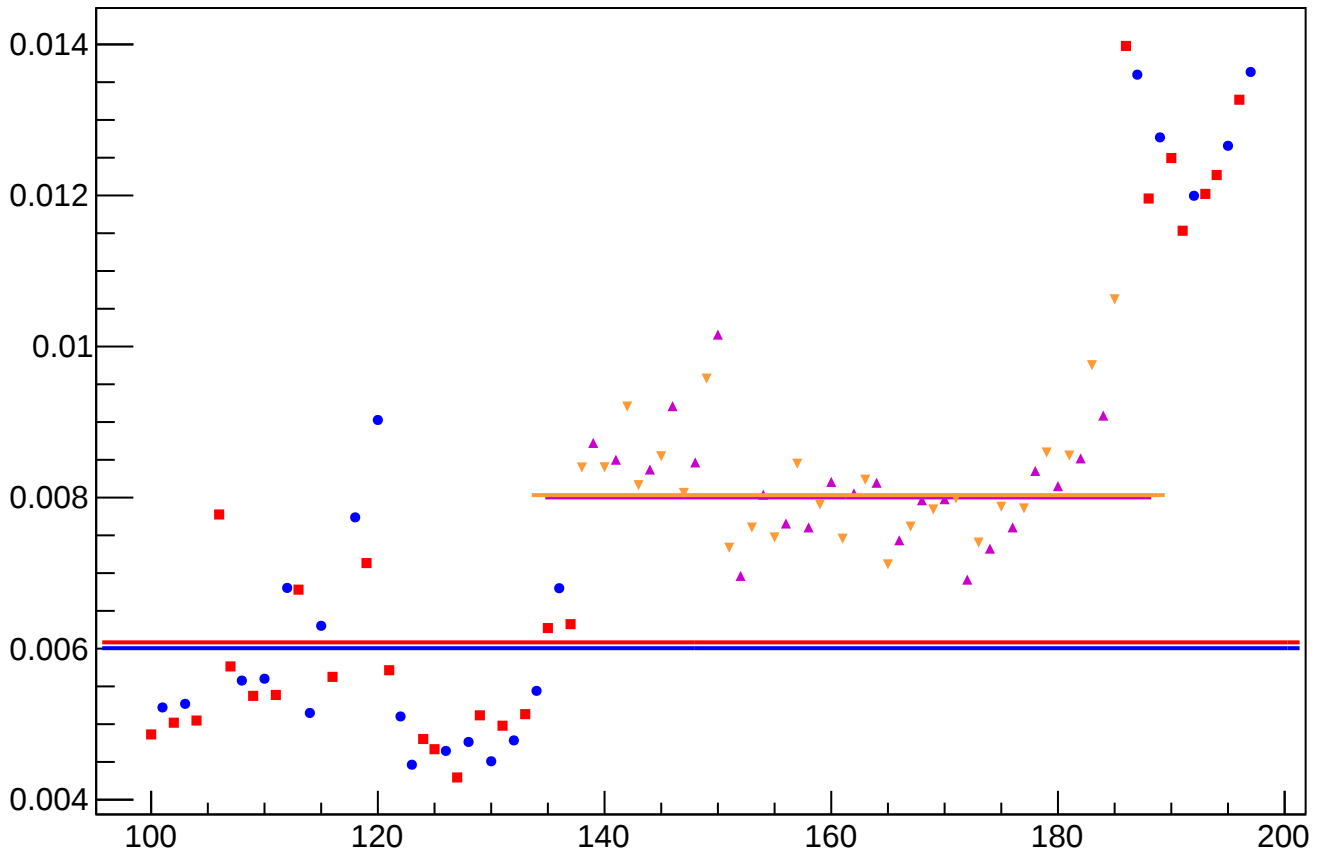
Left In: -6.121 ± 0.000 $\chi^2/\text{NDF}: 158315913062.3/22$

+ sign -6.046 ± 0.000 $\chi^2/\text{NDF}: 203147534960.8/46$

All: -6.038 ± 0.000 $\chi^2/\text{NDF}: 379563169633.4$

- sign -6.031 ± 0.000 $\chi^2/\text{NDF}: 176359174327.7/48$

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2168763.4/21

Left Out: 0.008+/-0.000 χ^2/NDF : 205762.2/24

Right Out: 0.006+/-0.000 χ^2/NDF : 2611102.3/25

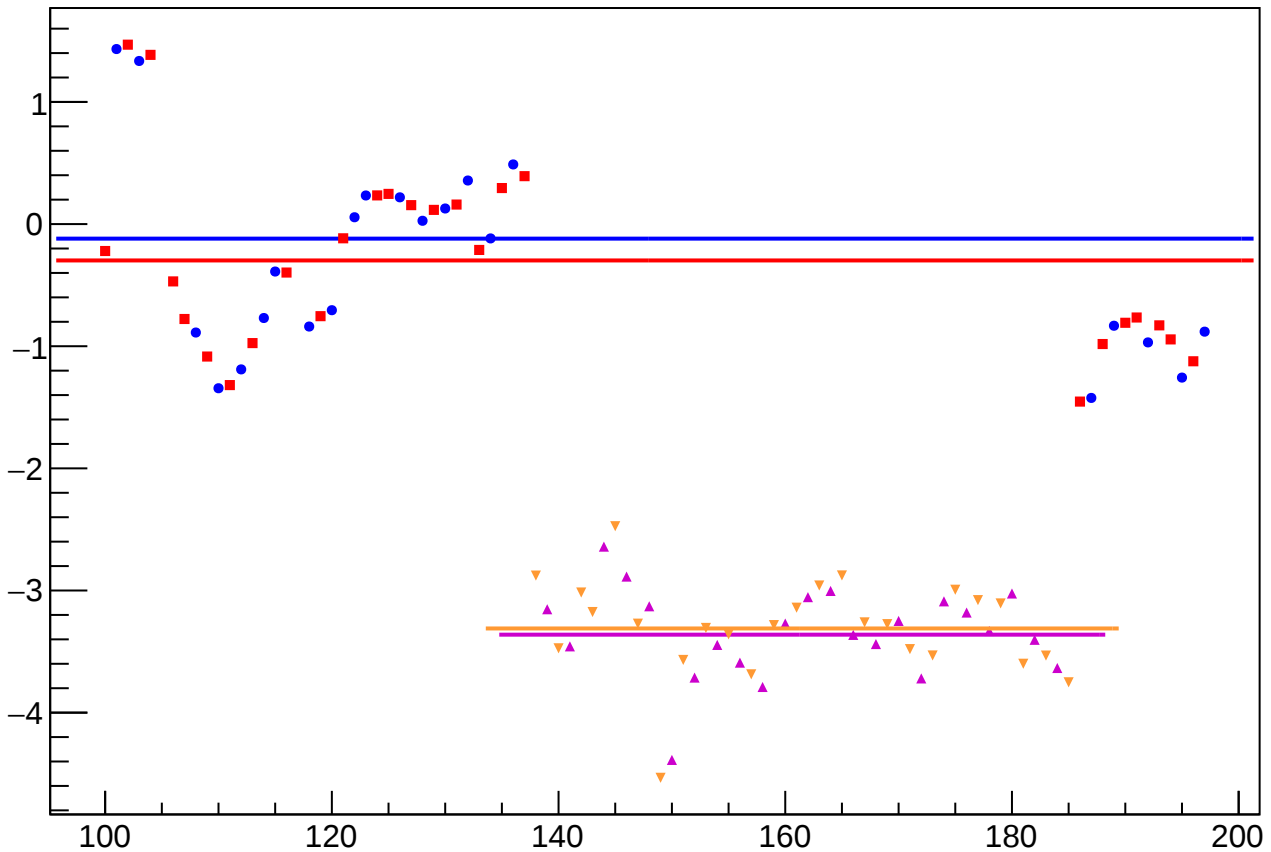
Left In: 0.008+/-0.000 χ^2/NDF : 220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 3349030.2/46

All: 0.007+/-0.000 χ^2/NDF : 7094355.3/95

- sign 0.007+/-0.000 χ^2/NDF : 3743591.1/48

yield_bpm0l02X_mean vs Slug



Right In: -0.119+/-0.000 χ^2/NDF : 27383818490.4/21

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.298+/-0.000 χ^2/NDF : 30076696670.6/25

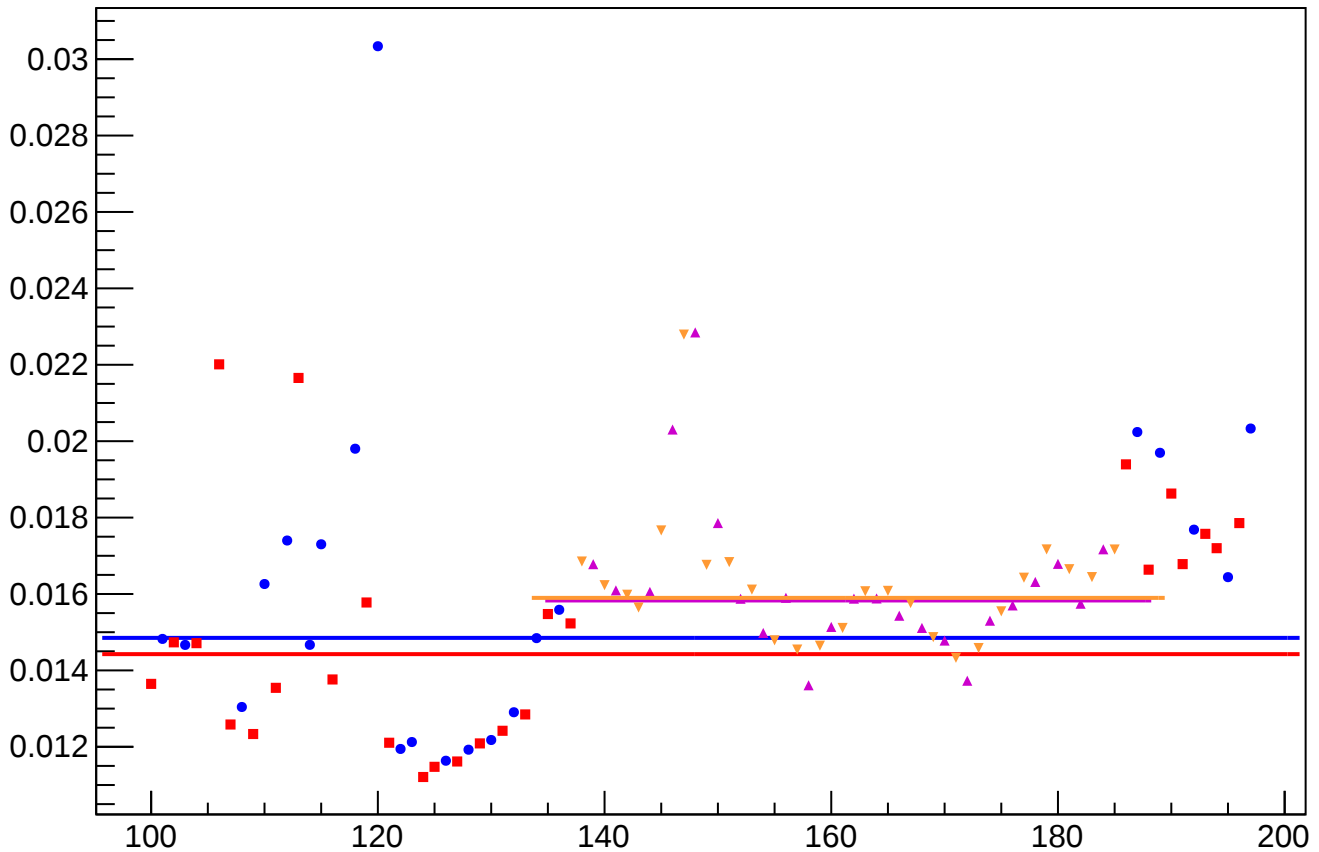
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.157+/-0.000 χ^2/NDF : 294297945825.2/46

All: -2.101+/-0.000 χ^2/NDF : 599898591239.2

- sign -2.048+/-0.000 χ^2/NDF : 304931787528.0/48

yield_bpm0l02X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 691961.6/21

Left Out: 0.016+/-0.000 χ^2/NDF : 251912.7/24

Right Out: 0.014+/-0.000 χ^2/NDF : 649247.8/25

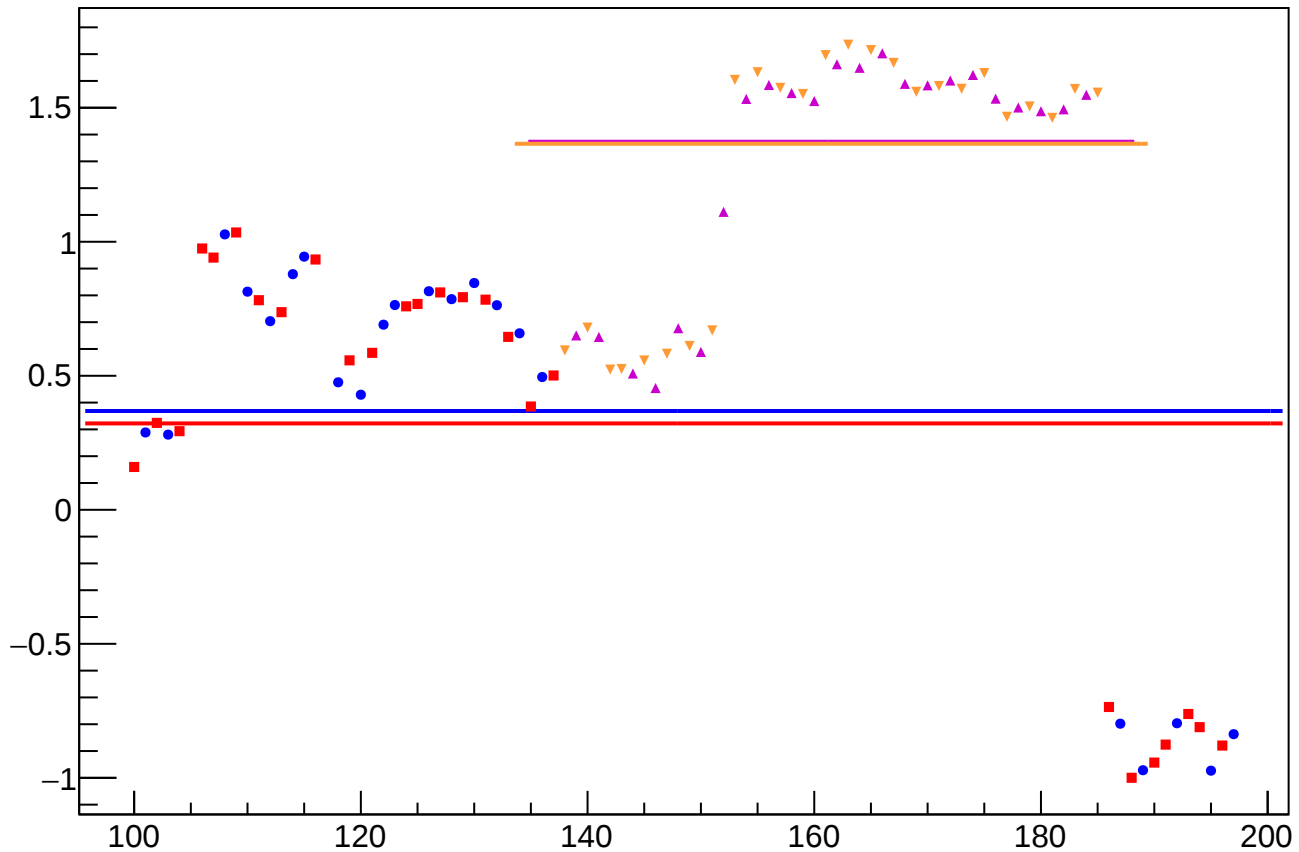
Left In: 0.016+/-0.000 χ^2/NDF : 339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 999291.1/46

All: 0.015+/-0.000 χ^2/NDF : 2109798.1/95

- sign 0.015+/-0.000 χ^2/NDF : 1100929.3/48

yield_bpm0l02Y_mean vs Slug



Right In: 0.369 $\pm$ 0.000 χ^2 /NDF: 40951821267.8/21

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 55876549532.3/25

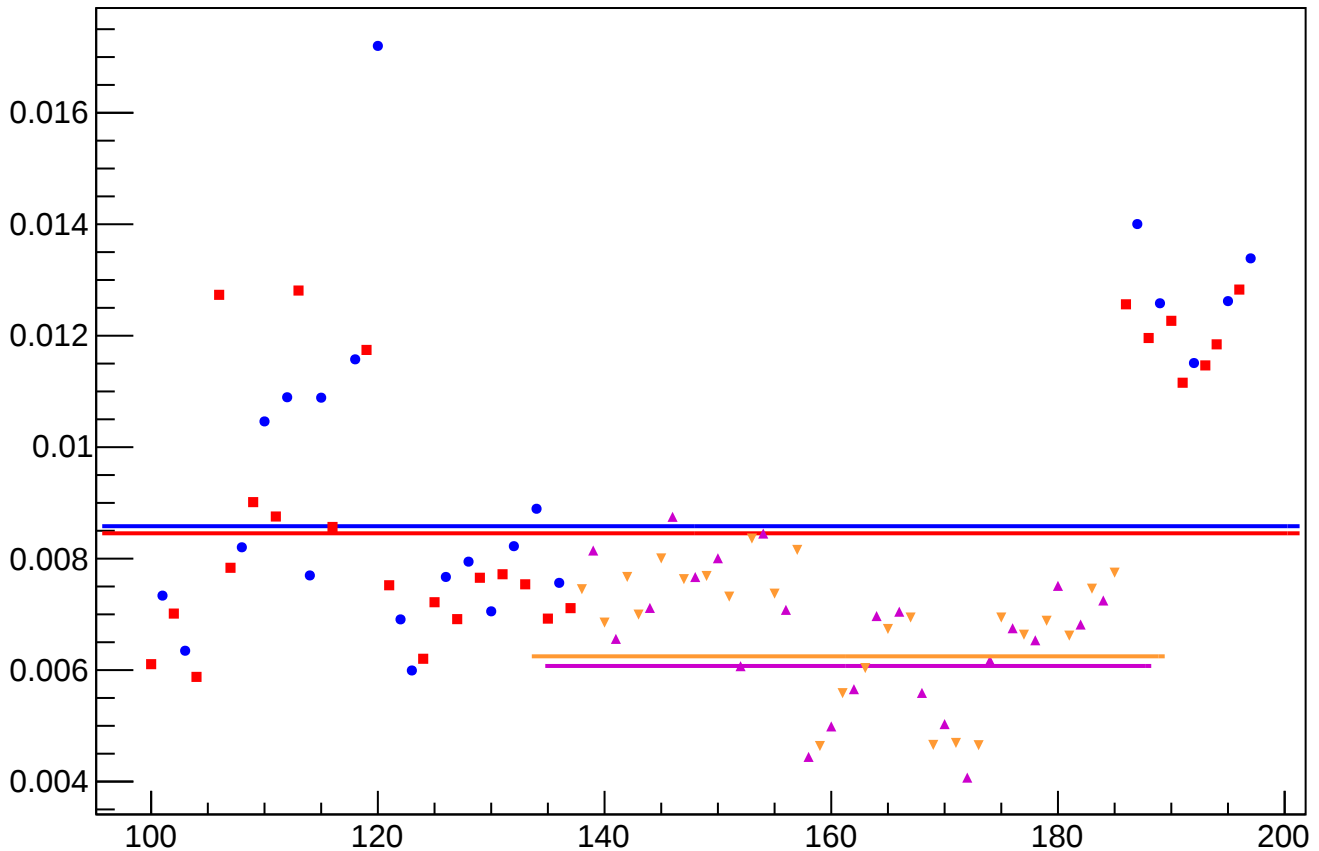
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.155 $\pm$ 0.000 χ^2 /NDF: 205065784147.5/46

All: 1.136 $\pm$ 0.000 χ^2 /NDF: 439009062084.5

- sign 1.119 $\pm$ 0.000 χ^2 /NDF: 233577560895.8/48

yield_bpm0l02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1167003.7/21

Left Out: 0.006+/-0.000 χ^2/NDF : 1330867.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1340758.7/25

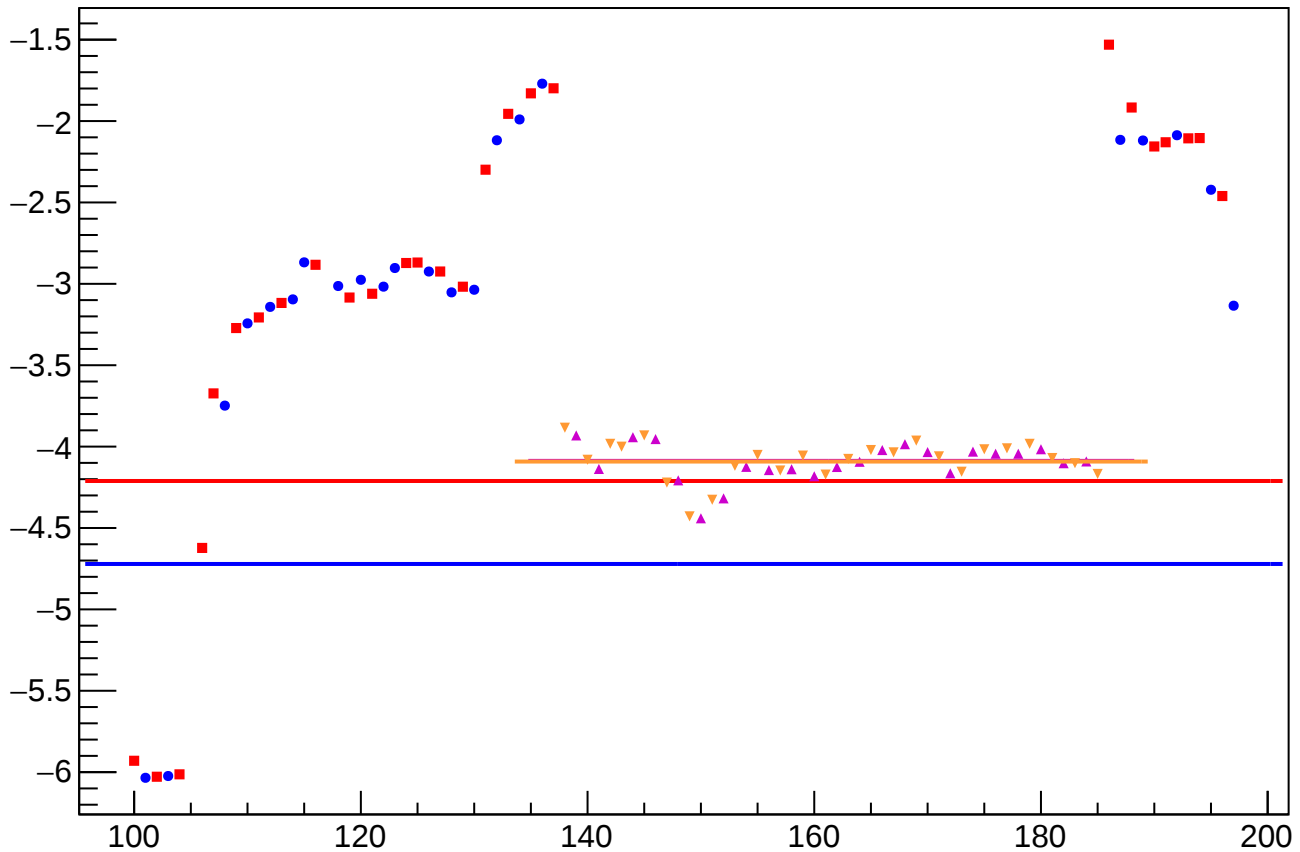
Left In: 0.006+/-0.000 χ^2/NDF : 1431986.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 3478345.3/46

All: 0.007+/-0.000 χ^2/NDF : 7428236.1/95

- sign 0.007+/-0.000 χ^2/NDF : 3945477.8/48

yield_bpm0l03X_mean vs Slug



Right In: -4.721+/-0.000 χ^2/NDF : 217781892198.6/21

Left Out: -4.092+/-0.000 χ^2/NDF : 39806766.7/24

Right Out: -4.211+/-0.000 χ^2/NDF : 259788849216.2/25

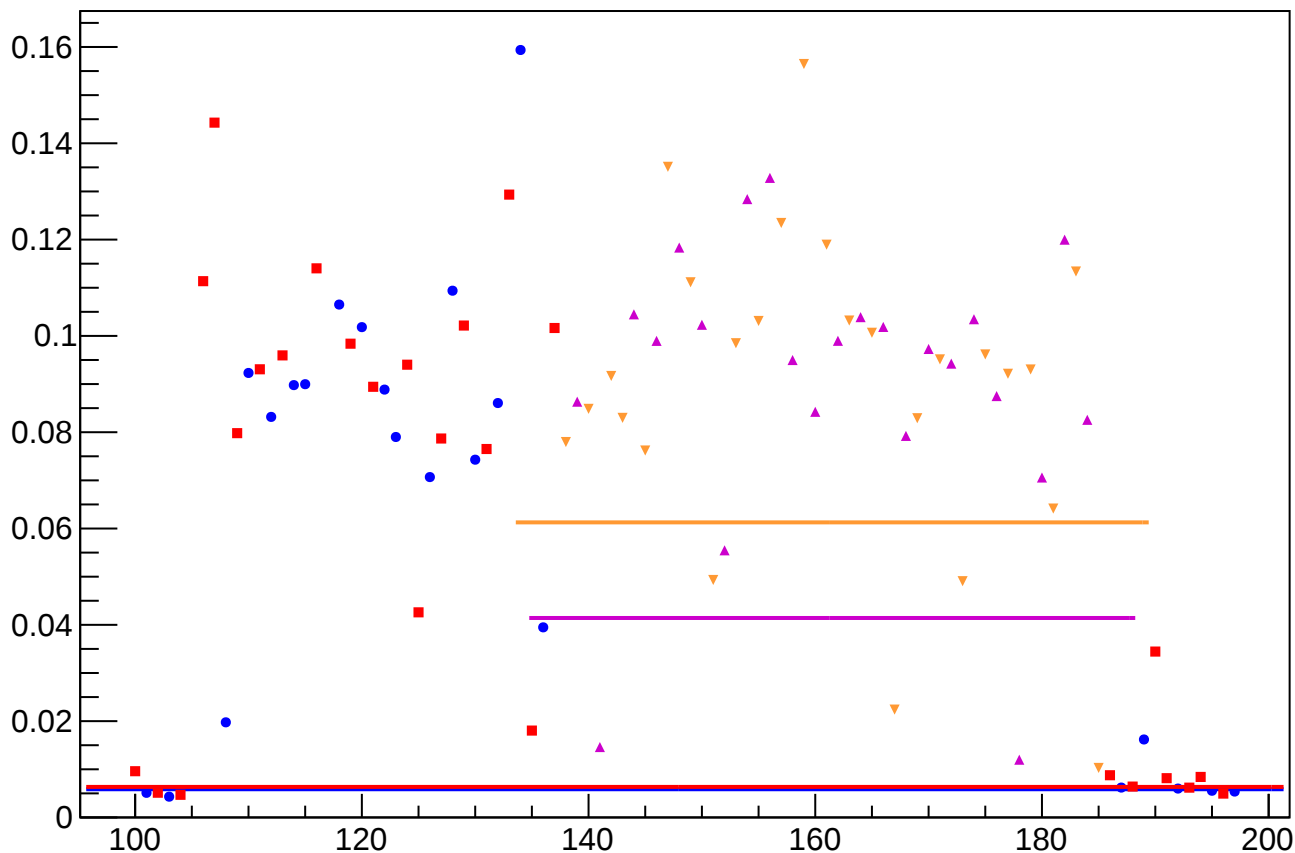
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -4.697+/-0.000 χ^2/NDF : 218945717349.7/46

All: -4.454+/-0.000 χ^2/NDF : 487978865206.0

- sign -4.204+/-0.000 χ^2/NDF : 259884580274.7/48

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7995976.6/21

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8745003.7/25

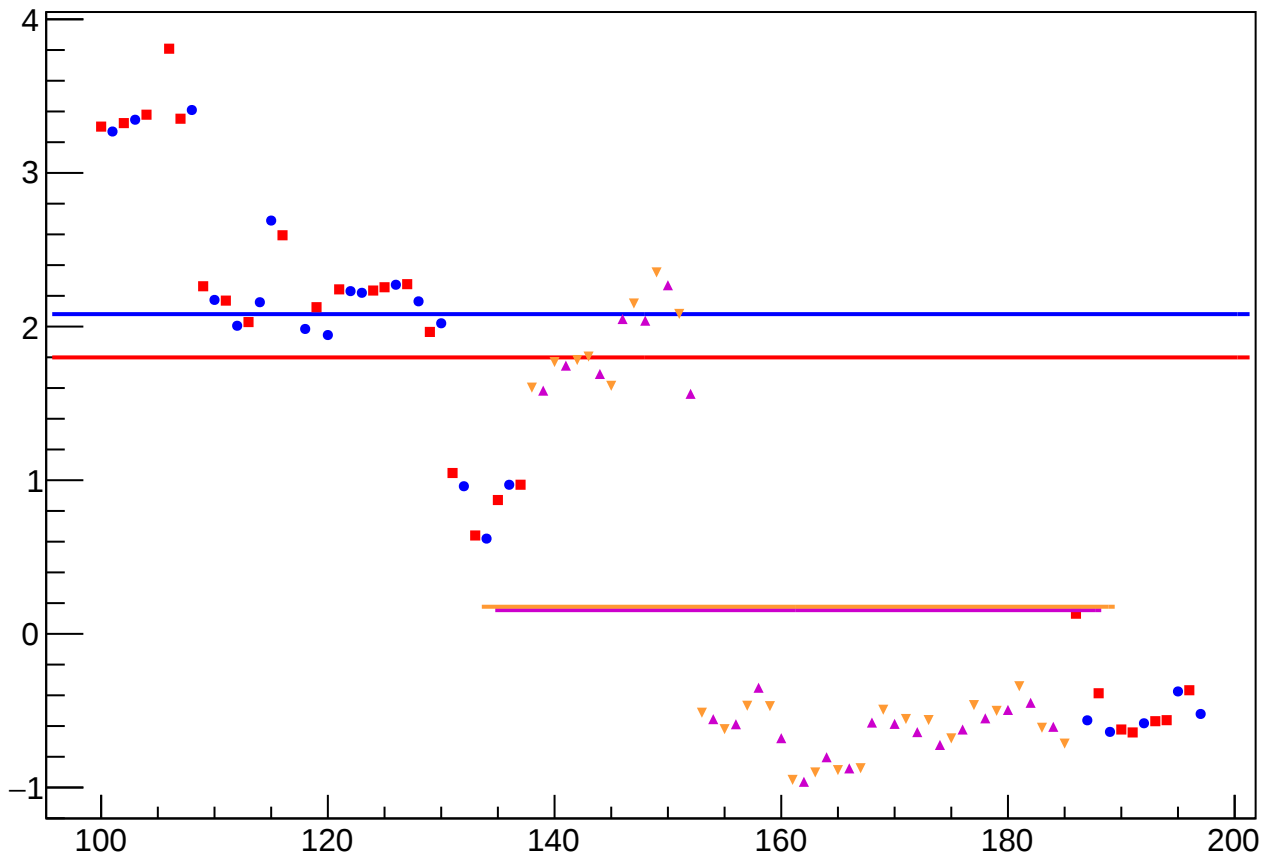
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33788015.9/46

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 65560990.1/95

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 31763142.6/48

yield_bpm0l03Y_mean vs Slug



Right In: 2.081 $\pm$ 0.000 χ^2 /NDF: 130493786448.7/21

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF: 3275313367.7/24

+ sign 1.983 $\pm$ 0.000 χ^2 /NDF: 141569500894.3/46

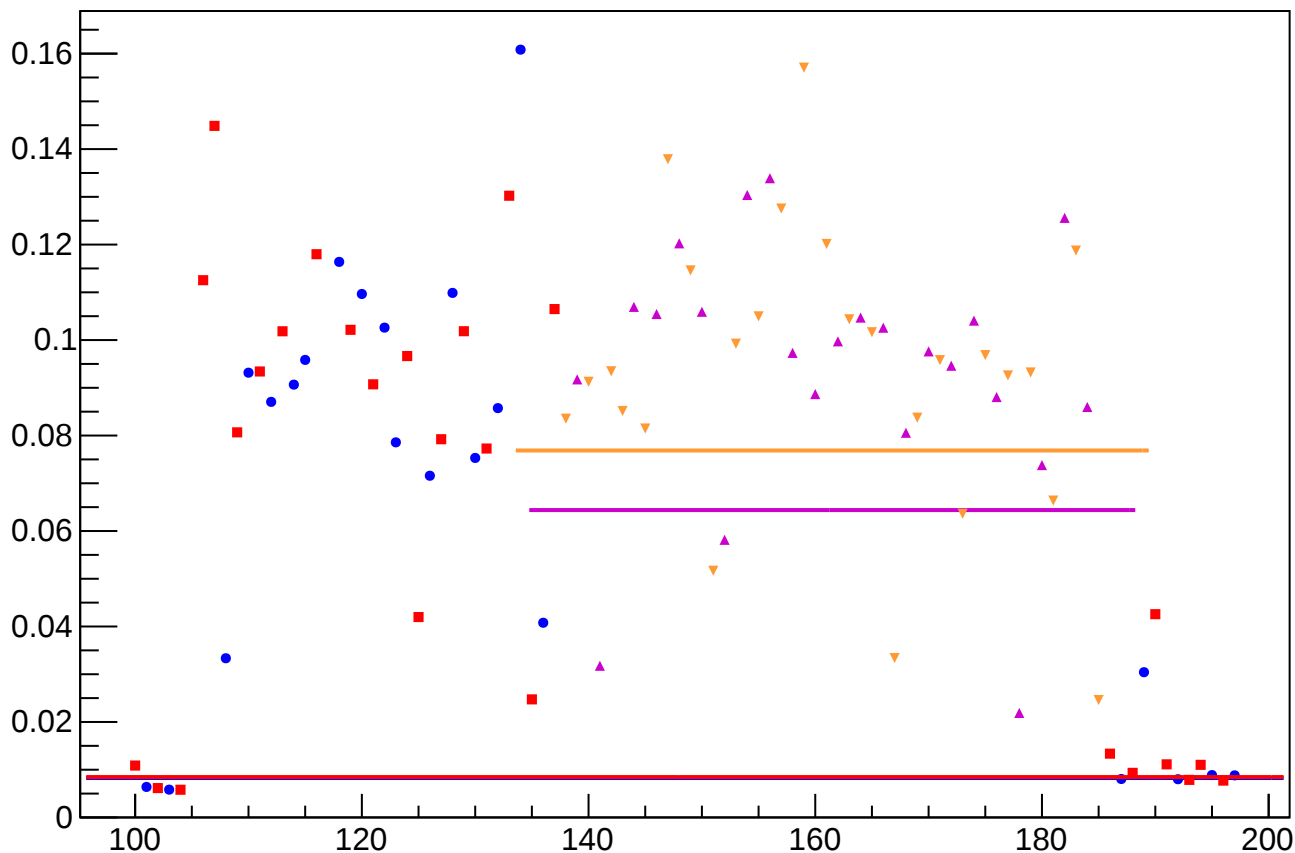
Right Out: 1.799 $\pm$ 0.000 χ^2 /NDF: 150779686177.6/25

All: 1.842 $\pm$ 0.000 χ^2 /NDF: 303821565284.2

- sign 1.708 $\pm$ 0.000 χ^2 /NDF: 160537511801.3/48

Left In: 0.154 $\pm$ 0.000 χ^2 /NDF: 3163553595.0/22

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7897734.0/21

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 4217954.3/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8590066.2/25

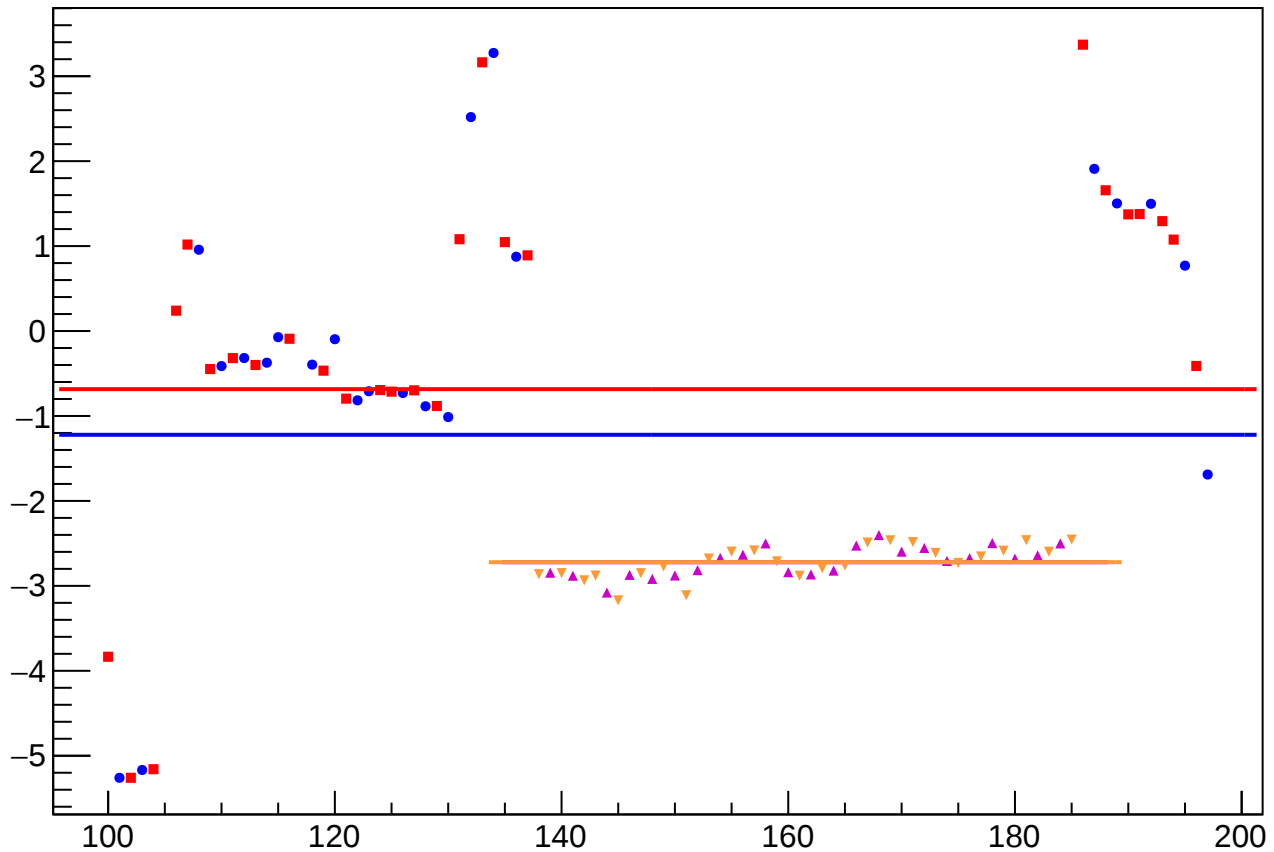
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF: 6990231.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32361938.8/46

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 63187642.3/95

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 30823240.1/48

yield_bpm0l04X_mean vs Slug



Right In: -1.222+/-0.000 χ^2 /NDF: 201426452993.2/21

Left Out: -2.721+/-0.000 χ^2 /NDF:10397156971.6/24

+ sign -2.585+/-0.000 χ^2 /NDF: 271376510724.2/46

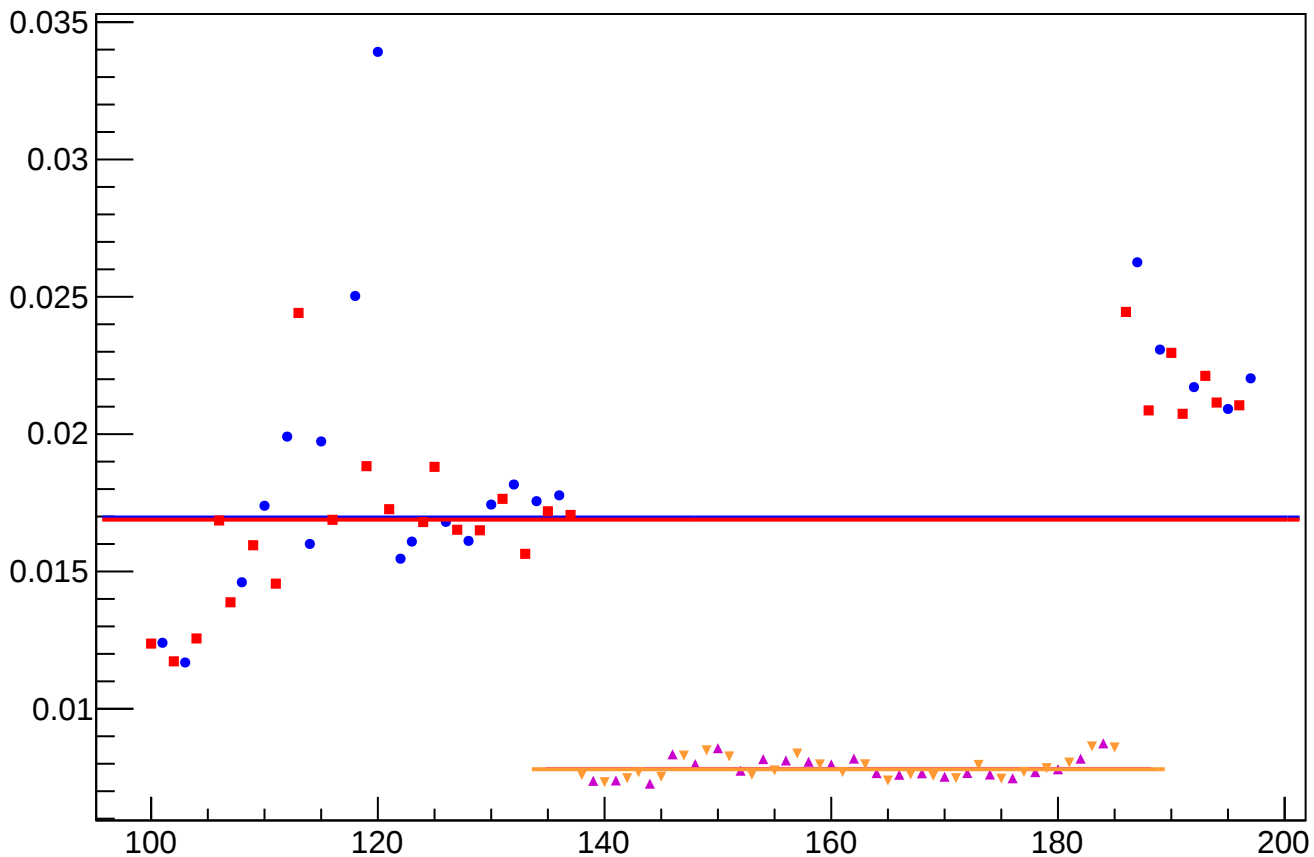
Right Out: -0.684+/-0.000 χ^2 /NDF: 225300667083.1/25

All: -2.538+/-0.000 χ^2 /NDF: 635568777864.3

Left In: -2.722+/-0.000 χ^2 /NDF:8146484592.1/22

- sign -2.490+/-0.000 χ^2 /NDF: 362782313680.0/48

yield_bpm0l04X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 972867.0/21

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 876293.4/25

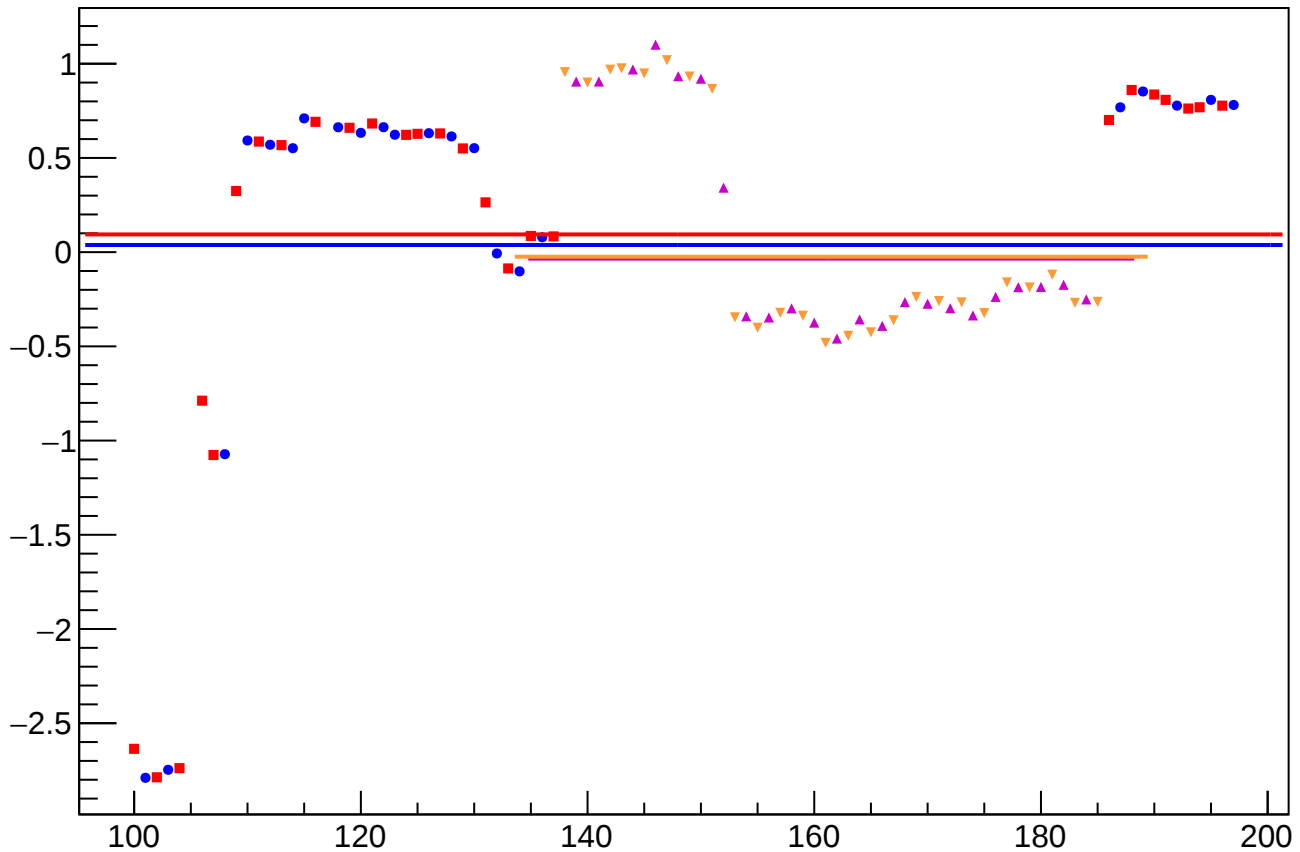
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 5491274.5/46

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 11581409.9/95

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 6076369.5/48

yield_bpm0l04Y_mean vs Slug



Right In: 0.038 $\pm$ 0.000 χ^2 /NDF: 800158603881.9/21

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF:135451649275.0/24

Right Out: 0.094 $\pm$ 0.000 χ^2 /NDF: 874541065799.8/25

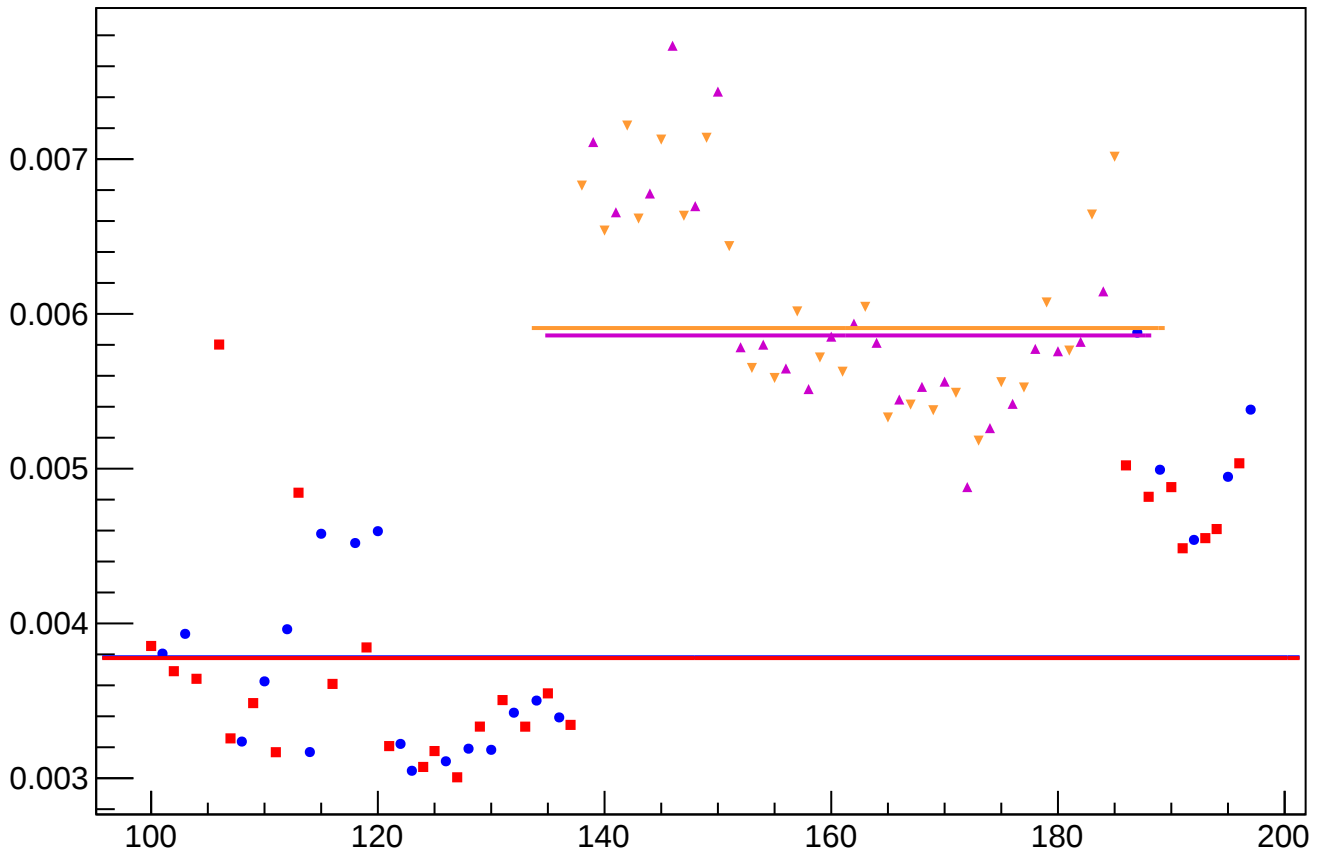
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF:113929060918.1/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 936665798375.7/46

All: 0.028 $\pm$ 0.000 χ^2 /NDF: 1930476878976.0/48

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 993171619949.0/48

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 595167.4/21

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 681139.7/25

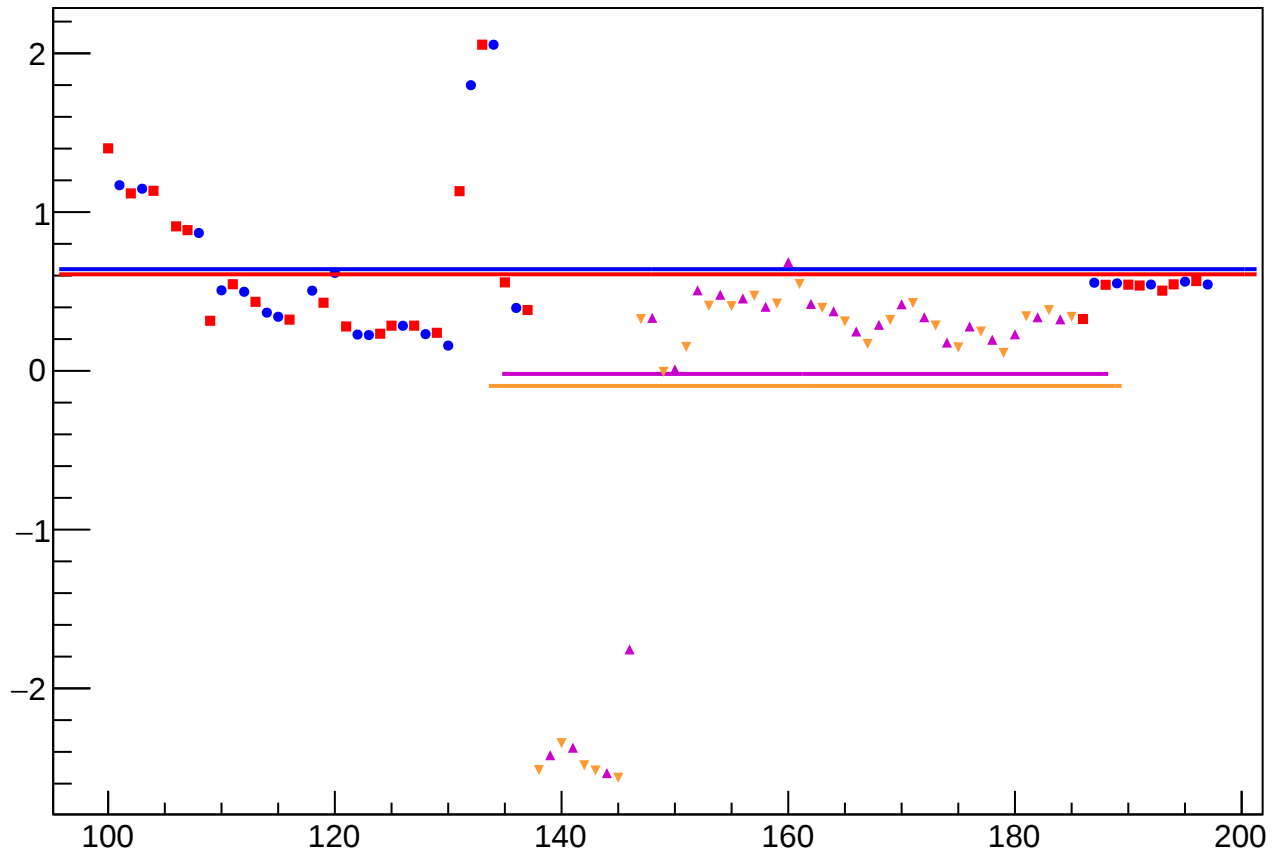
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3385178.1/46

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 6925785.4/95

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3524197.3/48

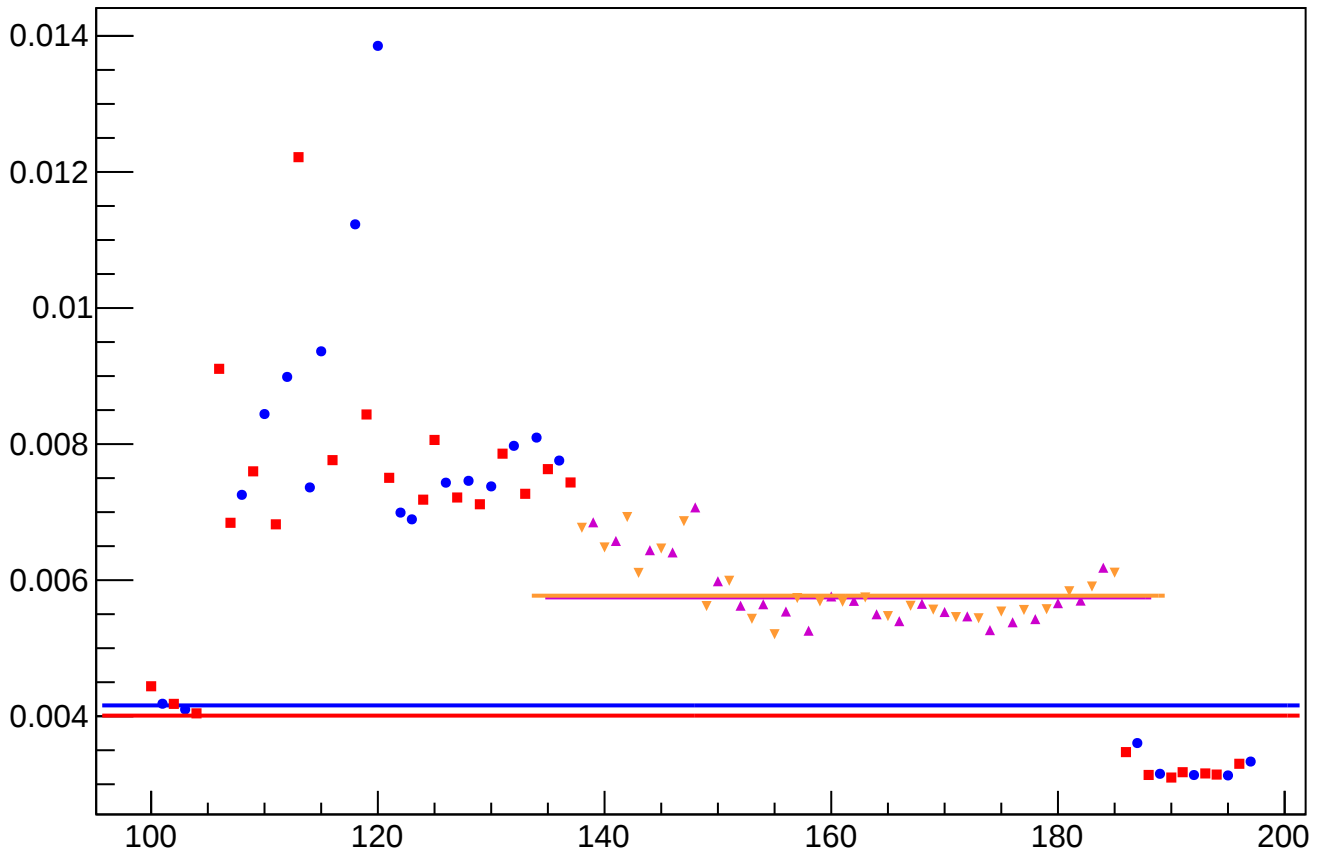
yield_bpm0l05X_mean vs Slug



Right In: 0.641 ± 0.000 χ^2/NDF : 38983423990.3/21
 Left Out: -0.095 ± 0.000 χ^2/NDF : 505606573631.9/24
 Right Out: 0.608 ± 0.000 χ^2/NDF : 45194351922.9/25
 Left In: -0.019 ± 0.000 χ^2/NDF : 417104863944.5/22

+ sign 0.240 ± 0.000 χ^2/NDF : 671459097380.5/46
 All: 0.278 ± 0.000 χ^2/NDF : 1239411737821.
 - sign 0.313 ± 0.000 χ^2/NDF : 565269572907.4/48

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2900051.3/21

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2993725.9/25

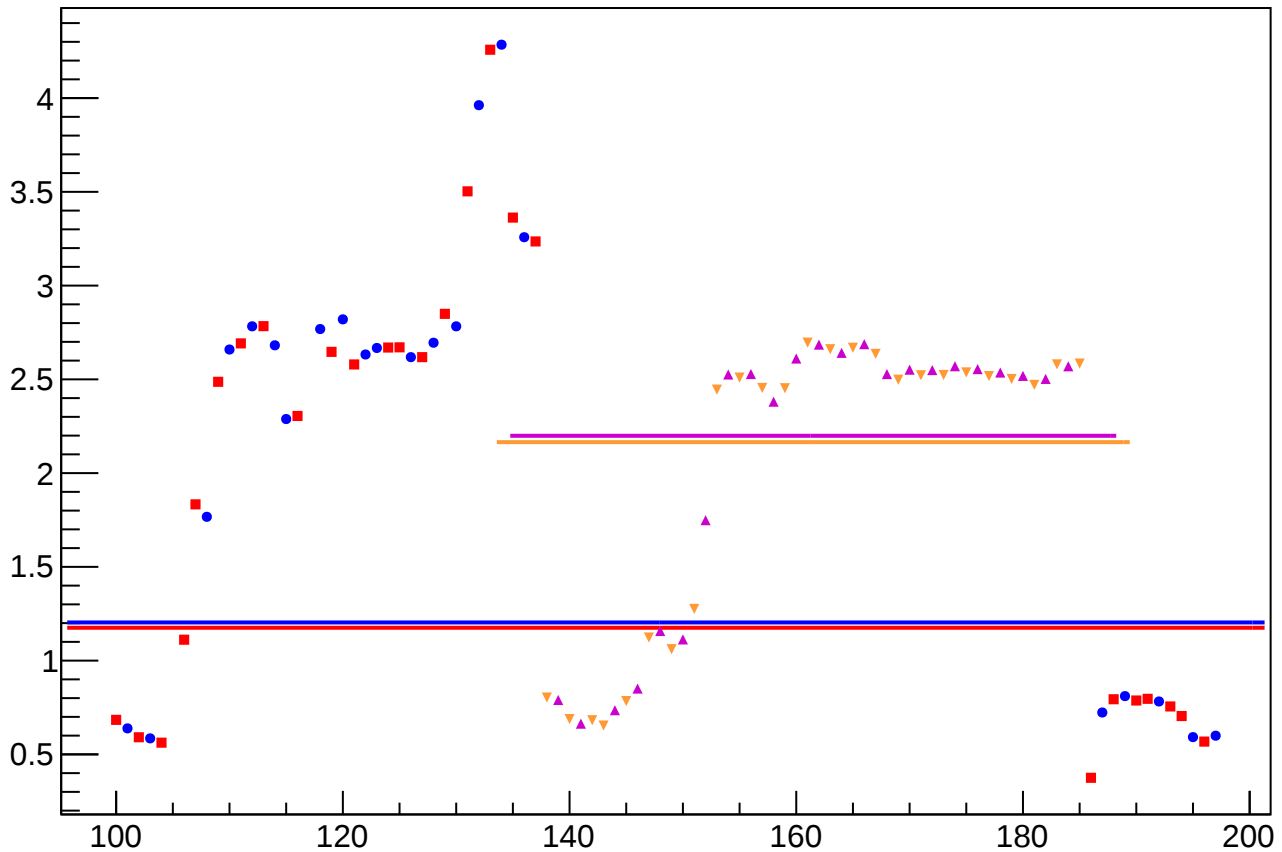
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4298086.9/46

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 9119413.1/95

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4776531.5/48

yield_bpm0l05Y_mean vs Slug



Right In: 1.204 $\pm$ 0.000 χ^2 /NDF: 257812457650.3/21

Left Out: 2.165 $\pm$ 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 1.175 $\pm$ 0.000 χ^2 /NDF: 309692367706.0/25

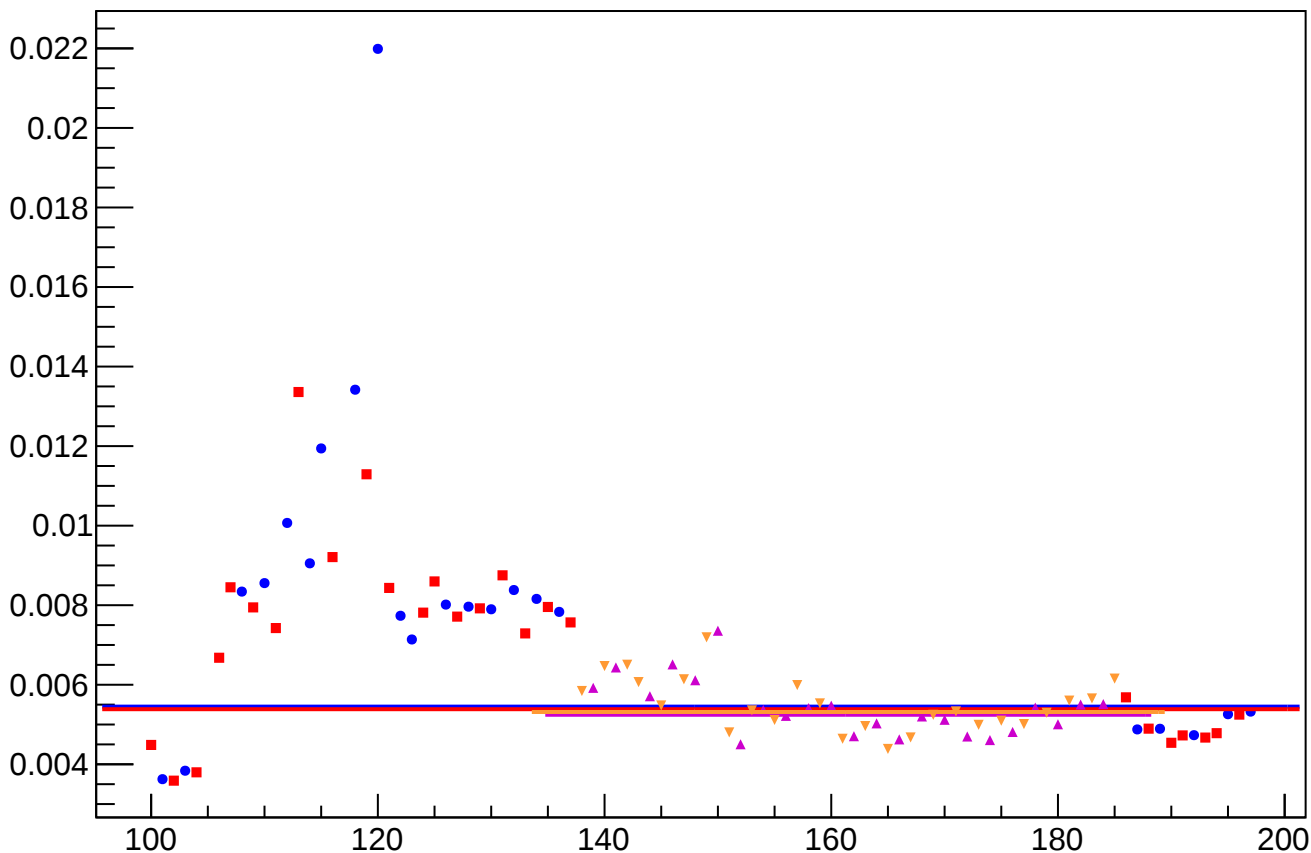
Left In: 2.199 $\pm$ 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 1.870 $\pm$ 0.000 χ^2 /NDF: 717116851843.0/46

All: 1.850 $\pm$ 0.000 χ^2 /NDF: 1496144391372.0/47

- sign 1.831 $\pm$ 0.000 χ^2 /NDF: 778370791289.8/48

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2004301.1/21

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1875931.8/25

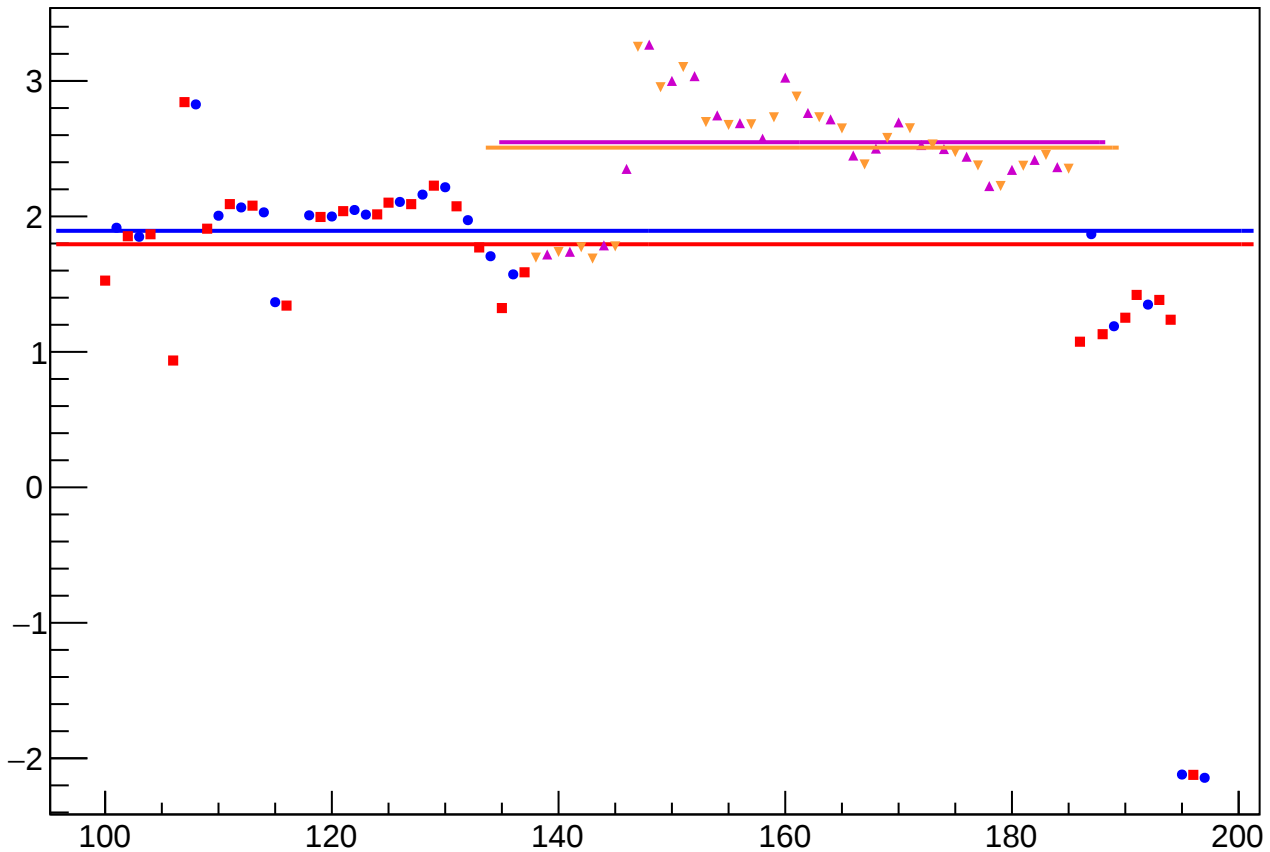
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2409623.3/46

All: 0.005+/-0.000 χ^2/NDF : 4722654.0/95

- sign 0.005+/-0.000 χ^2/NDF : 2309816.1/48

yield_bpm0l06X_mean vs Slug



Right In: 1.894 $\pm$ 0.000 χ^2 /NDF: 51810397557.4/21

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.794 $\pm$ 0.000 χ^2 /NDF: 51199147771.6/25

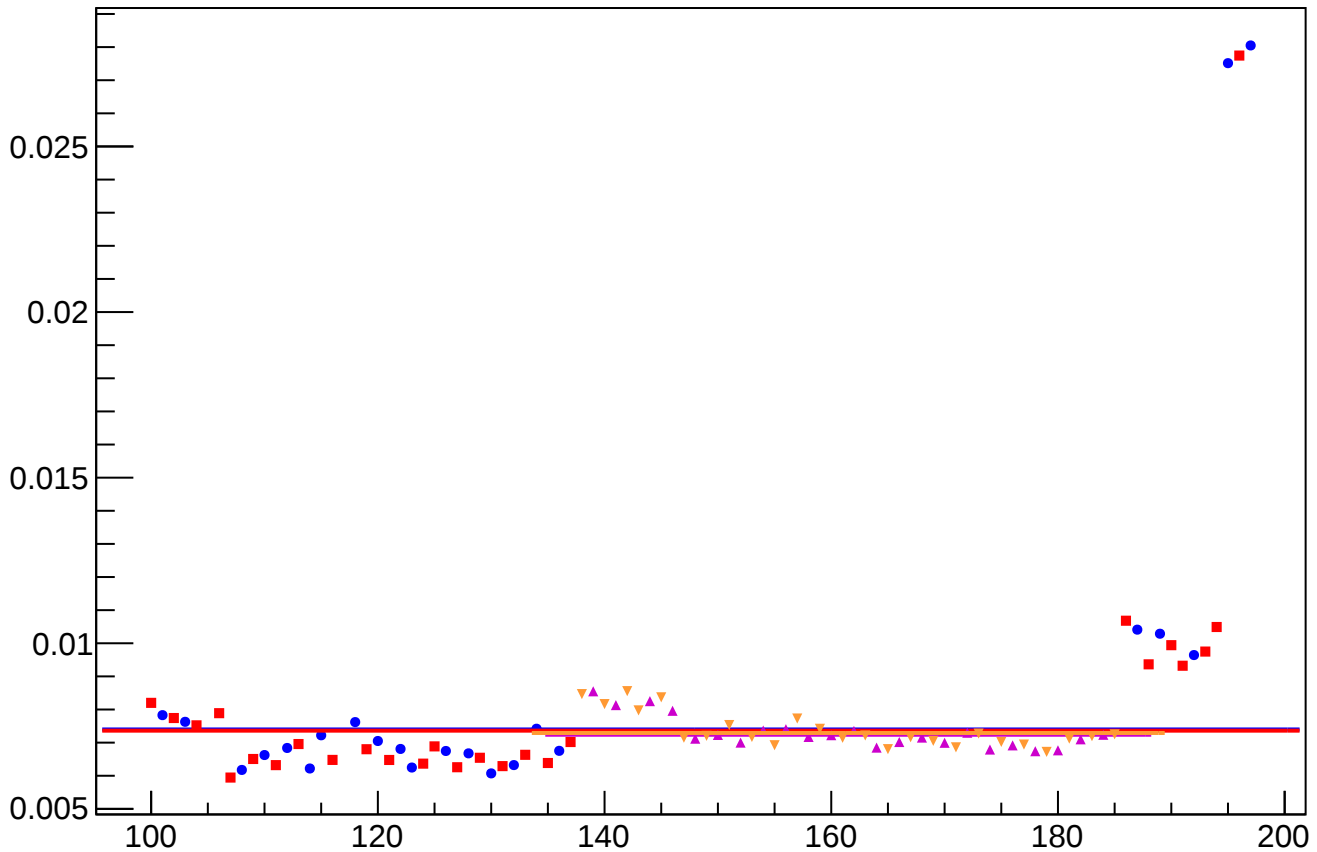
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.312 $\pm$ 0.000 χ^2 /NDF: 143625750103.6/46

All: 2.290 $\pm$ 0.000 χ^2 /NDF: 307222068161.1

- sign 2.269 $\pm$ 0.000 χ^2 /NDF: 163134191303.7/48

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 2029951.9/21

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 1502009.3/25

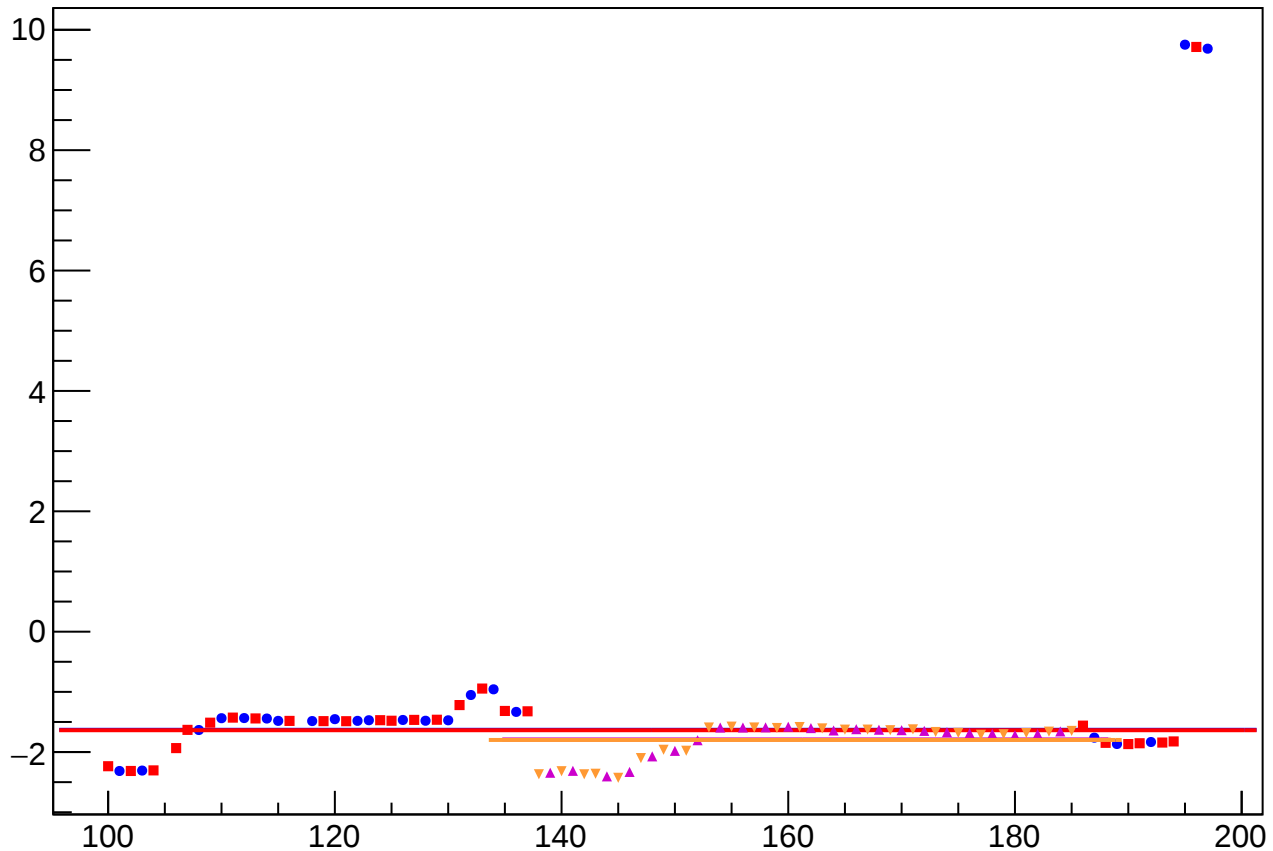
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2173099.5/46

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3804783.2/95

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1630834.5/48

yield_bpm0l06Y_mean vs Slug



Right In: -1.630 ± 0.000 $\chi^2/\text{NDF}: 200266475207.5/21$

Left Out: -1.799 ± 0.000 $\chi^2/\text{NDF}: 185362087438.8/24$

Right Out: -1.637 ± 0.000 $\chi^2/\text{NDF}: 185652356273.6/25$

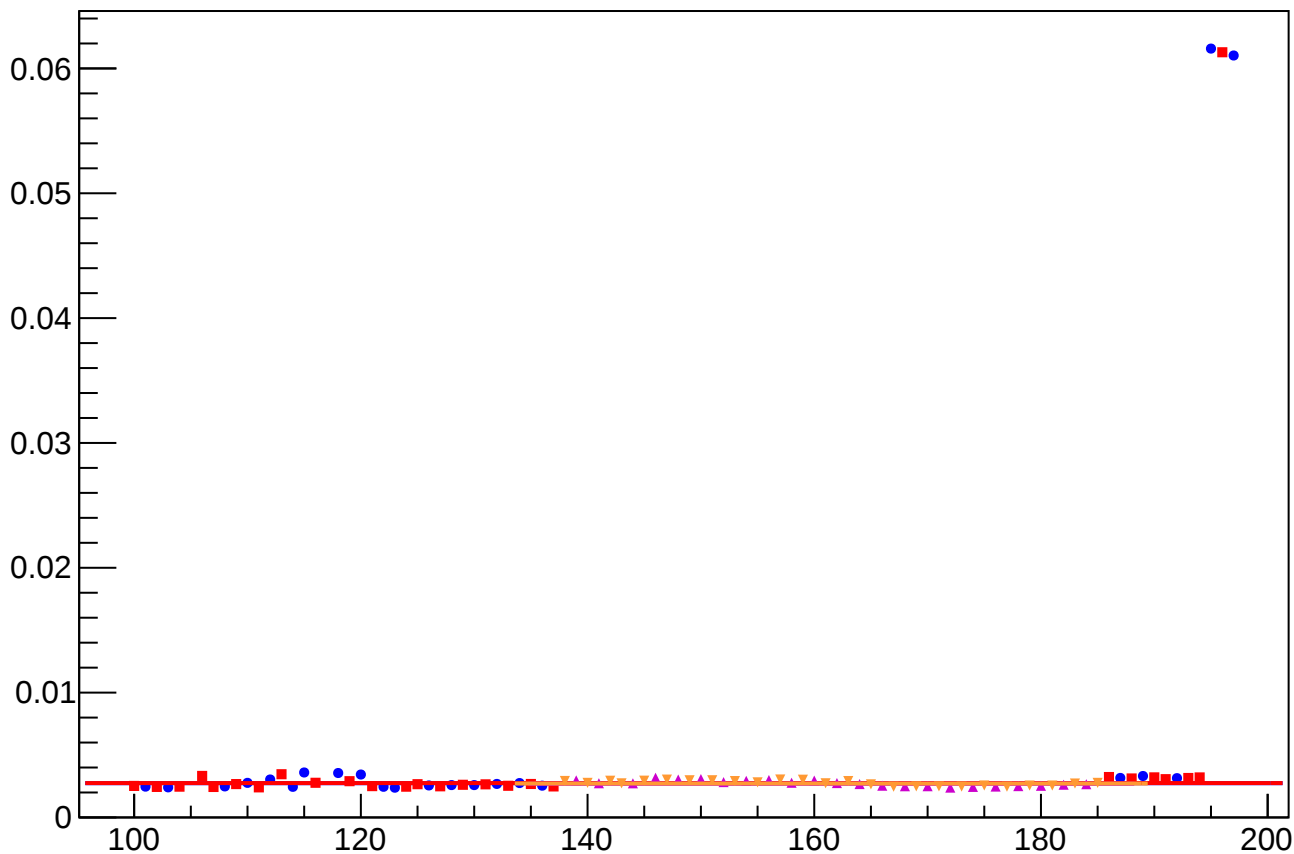
Left In: -1.790 ± 0.000 $\chi^2/\text{NDF}: 159648935510.8/22$

+ sign -1.747 ± 0.000 $\chi^2/\text{NDF}: 406215835755.9/46$

All: -1.741 ± 0.000 $\chi^2/\text{NDF}: 771040155335.9$

- sign -1.735 ± 0.000 $\chi^2/\text{NDF}: 364549839980.6/48$

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3063397.6/21

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 1687616.2/25

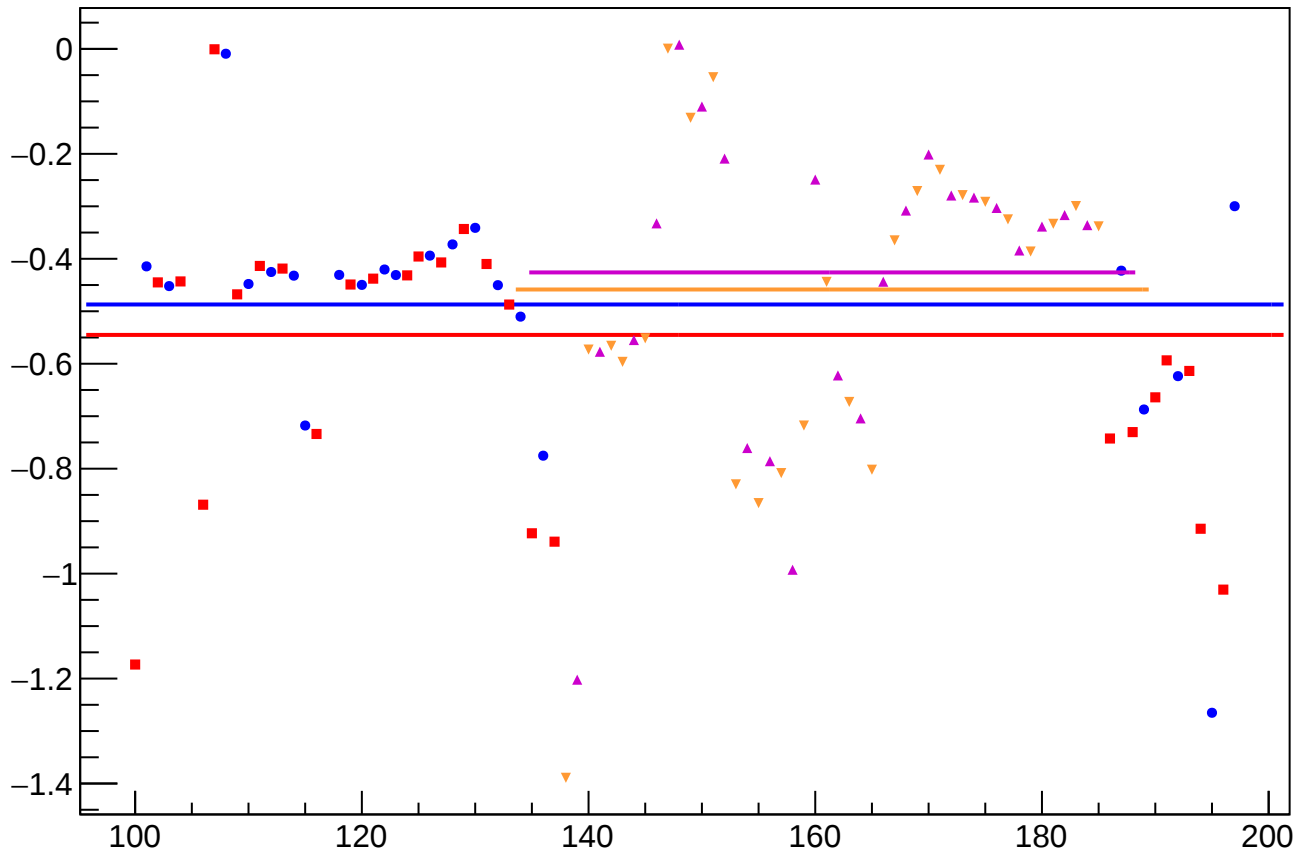
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 3263988.8/46

All: 0.003+/-0.000 χ^2/NDF : 5176625.7/95

- sign 0.003+/-0.000 χ^2/NDF : 1912519.4/48

yield_bpm0l07X_mean vs Slug



Right In: -0.487+/-0.000 χ^2/NDF : 3448362454.2/21

Left Out: -0.459+/-0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.545+/-0.000 χ^2/NDF : 4126044985.5/25

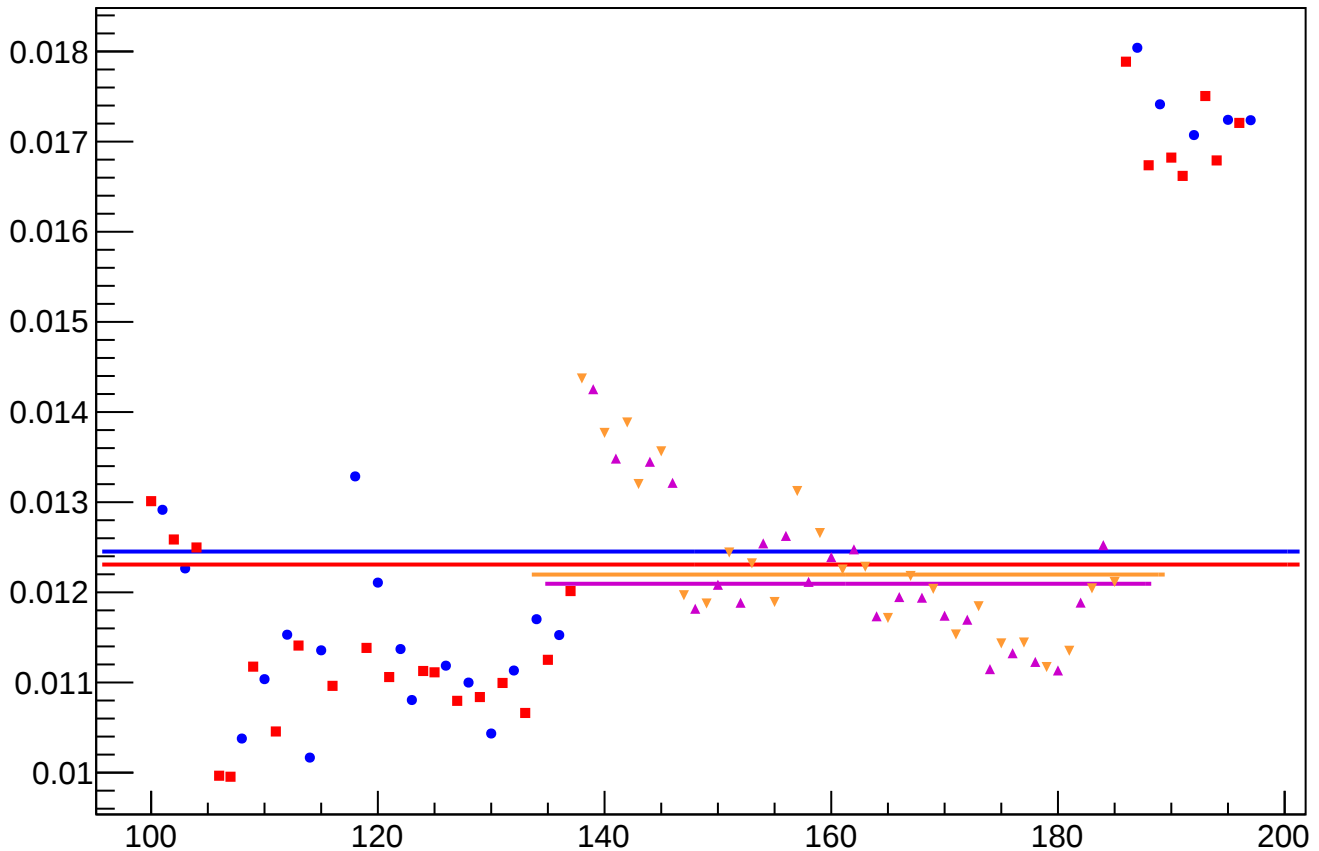
Left In: -0.426+/-0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.468+/-0.000 χ^2/NDF : 13397023462.9/46

All: -0.470+/-0.000 χ^2/NDF : 26564654636.3/47

- sign -0.472+/-0.000 χ^2/NDF : 13166501372.4/48

yield_bpm0l07X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 629986.6/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 141850.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 866707.5/25

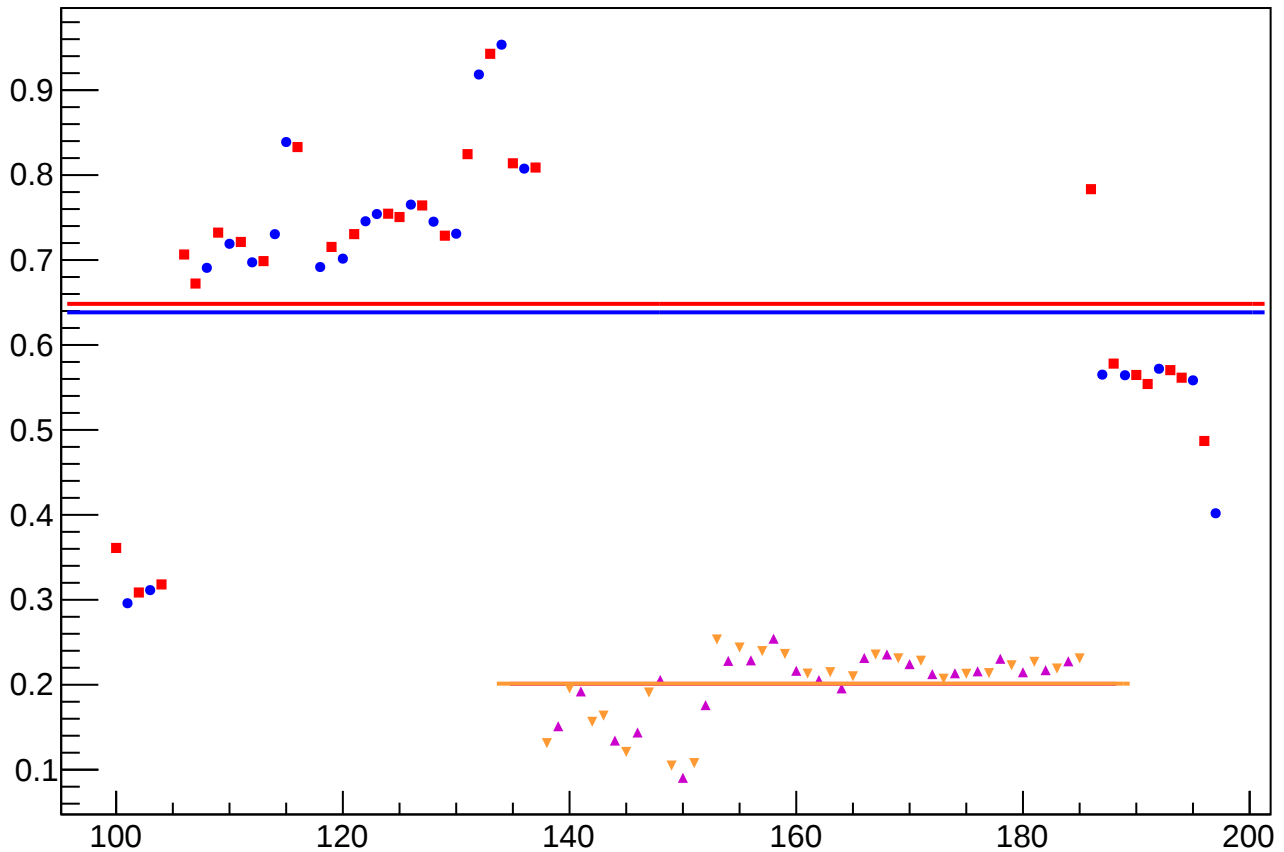
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 127308.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 776980.7/46

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 1776969.6/95

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 997967.4/48

yield_bpm0l07Y_mean vs Slug



Right In: 0.638 $\pm$ 0.000 χ^2 /NDF: 46079215134.9/21

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.648 $\pm$ 0.000 χ^2 /NDF: 42961713603.2/25

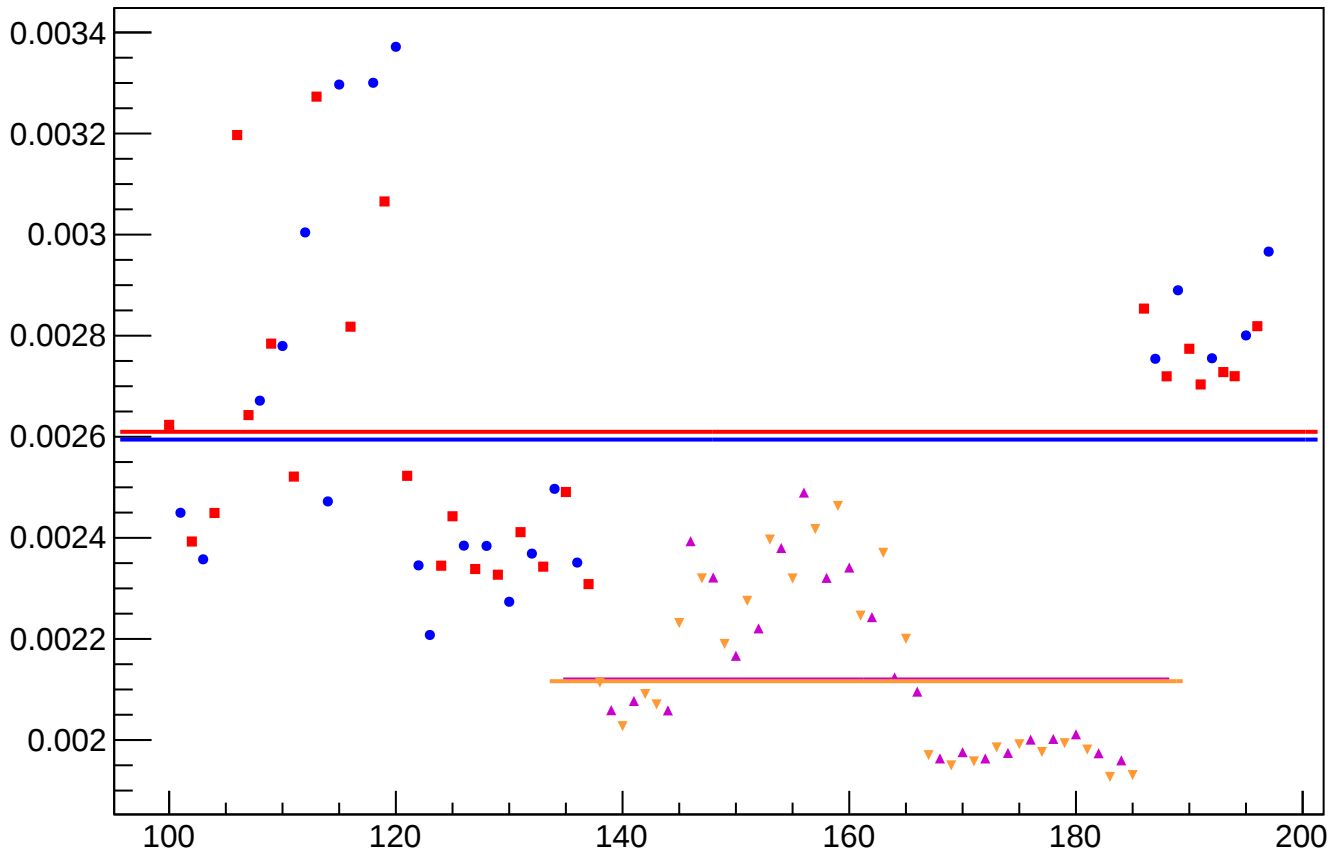
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.313 $\pm$ 0.000 χ^2 /NDF: 250109417869.6/46

All: 0.322 $\pm$ 0.000 χ^2 /NDF: 523666658277.0

- sign 0.332 $\pm$ 0.000 χ^2 /NDF: 272500809092.1/48

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 237351.2/21

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 168427.9/25

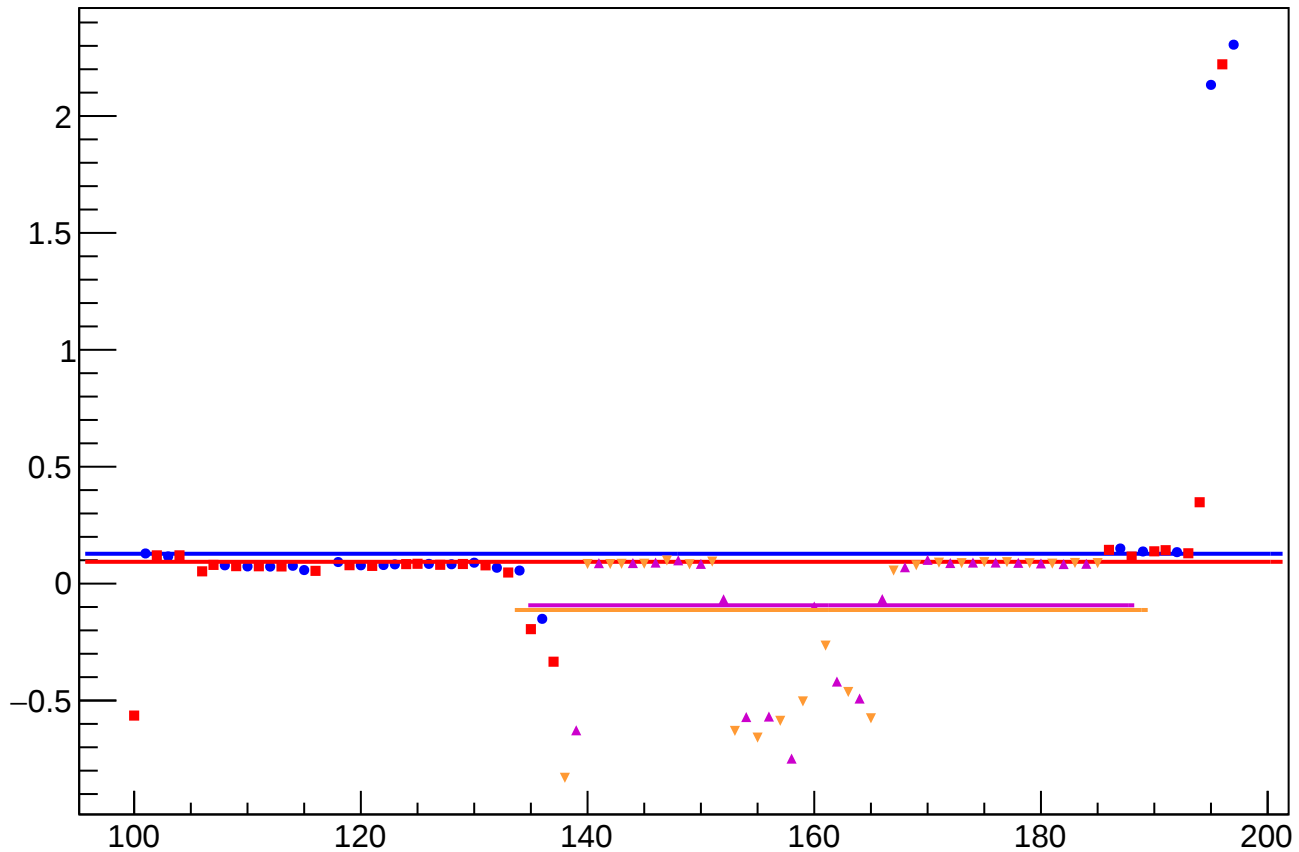
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 933037.2/46

All: 0.002+/-0.000 χ^2/NDF : 1831495.3/95

- sign 0.002+/-0.000 χ^2/NDF : 894931.7/48

yield_bpm0l08X_mean vs Slug



Right In: 0.128 ± 0.000 χ^2/NDF : 10891127330.2/21

Left Out: -0.113 ± 0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.093 ± 0.000 χ^2/NDF : 6427261867.1/25

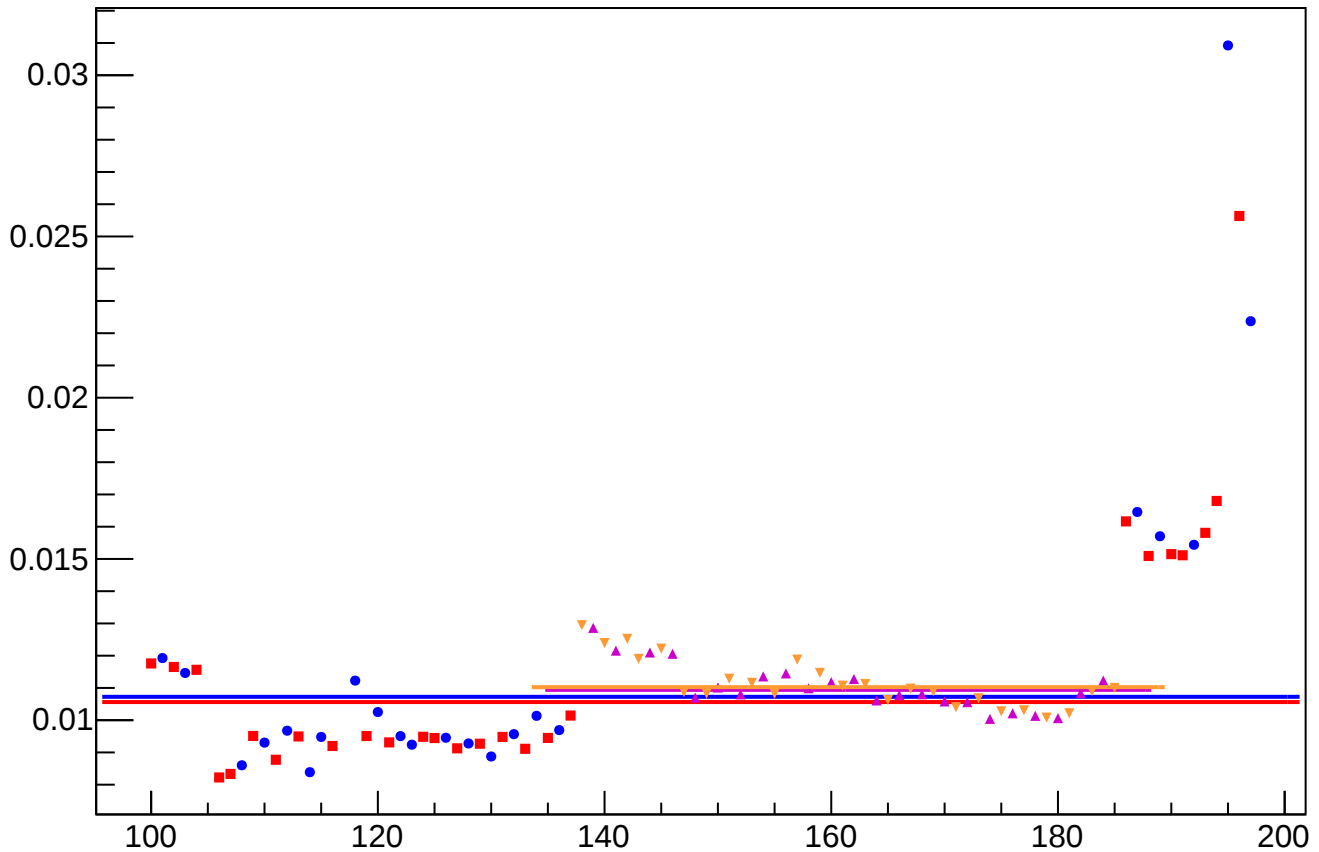
Left In: -0.093 ± 0.000 χ^2/NDF : 11051944893.7/22

+ sign -0.030 ± 0.000 χ^2/NDF : 27431881865.4/46

All: -0.024 ± 0.000 χ^2/NDF : 46836061625.1/47

- sign -0.019 ± 0.000 χ^2/NDF : 19388978693.3/48

yield_bpm0l08X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 1627115.1/21

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:141501.7/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 1555564.7/25

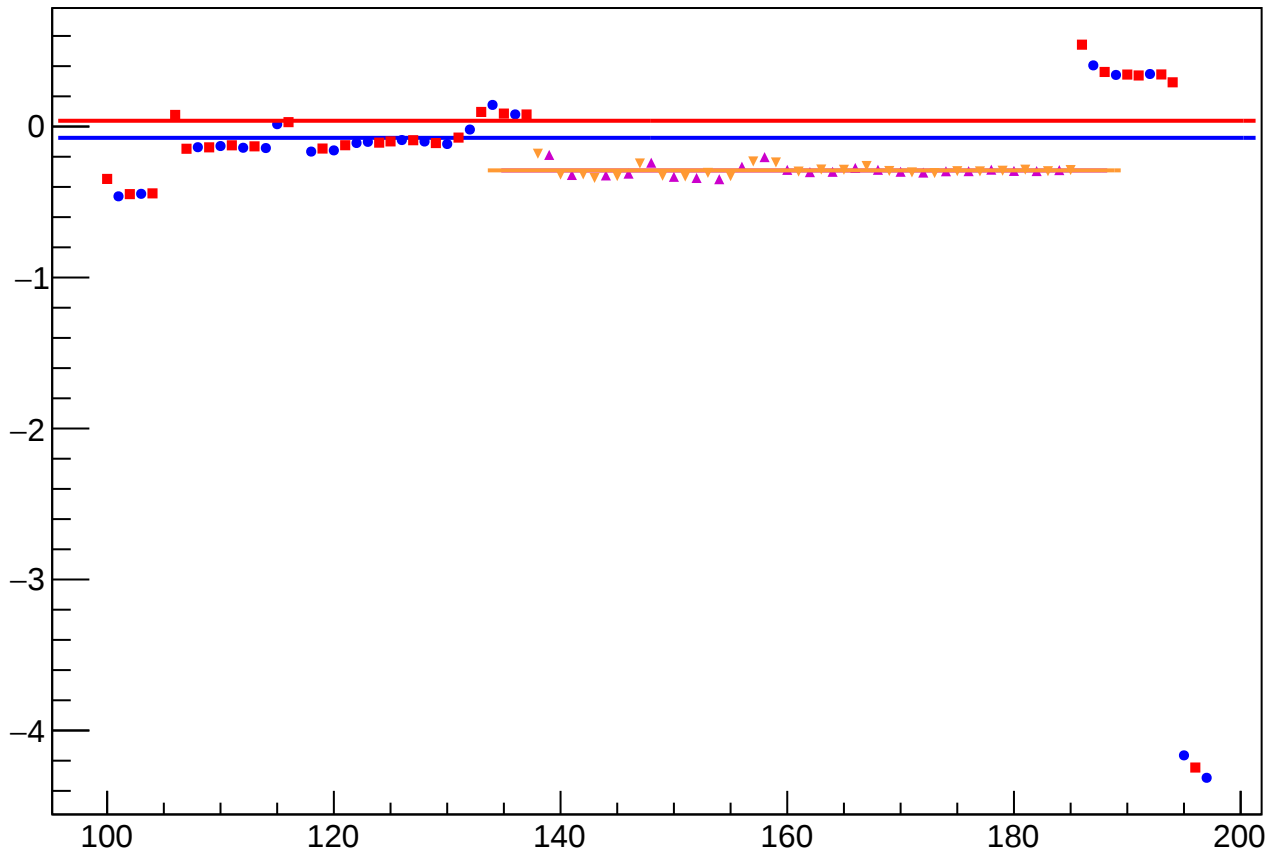
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:128914.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1777509.8/46

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3481656.4/95

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1700266.8/48

yield_bpm0l08Y_mean vs Slug



Right In: -0.075 ± 0.000 χ^2/NDF : 90518623233.2/21

Left Out: -0.290 ± 0.000 χ^2/NDF : 2877519093.0/24

Right Out: 0.038 ± 0.000 χ^2/NDF : 77035770966.4/25

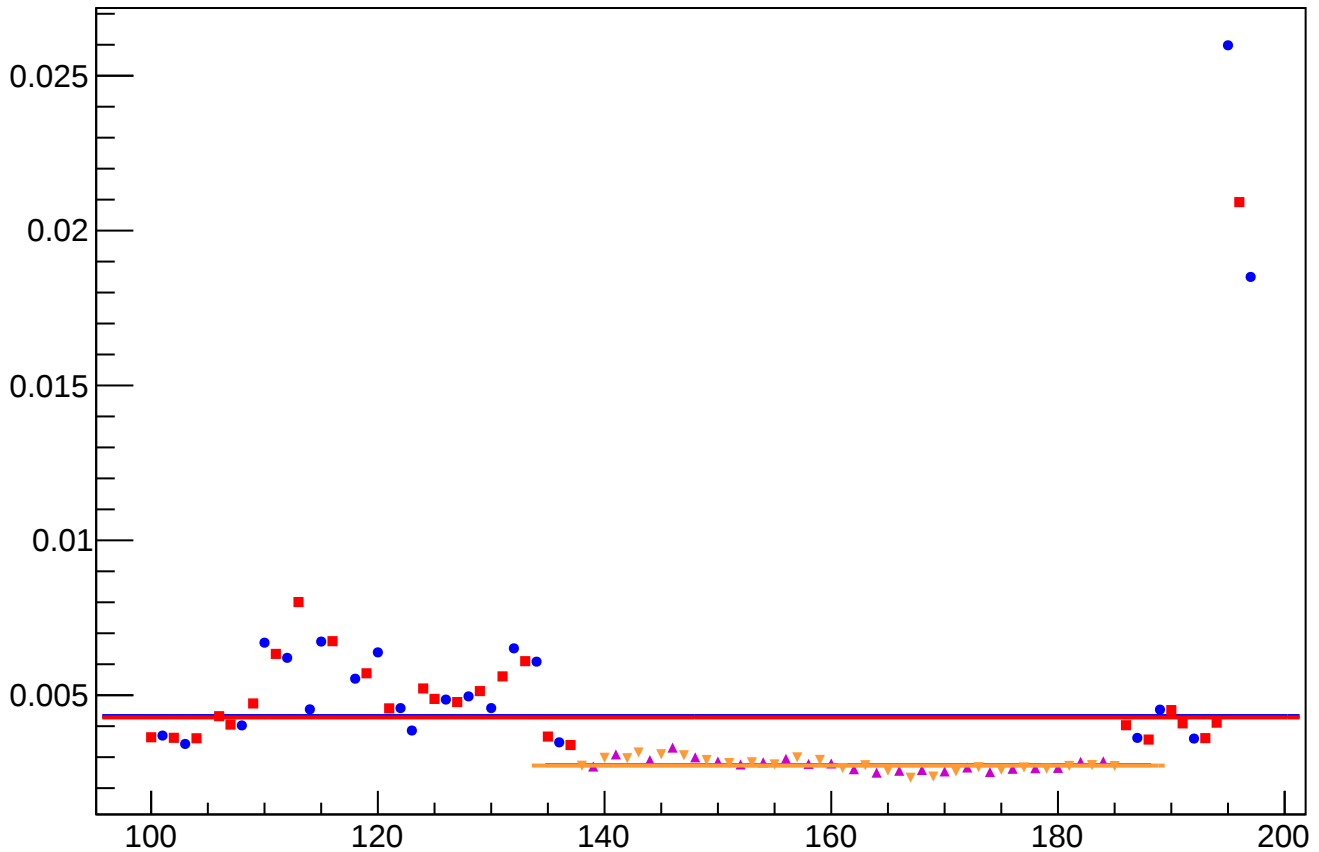
Left In: -0.291 ± 0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.258 ± 0.000 χ^2/NDF : 109750993801.5/46

All: -0.243 ± 0.000 χ^2/NDF : 236662619040.5

- sign -0.228 ± 0.000 χ^2/NDF : 125684314336.5/48

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2682715.6/21

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1743979.1/25

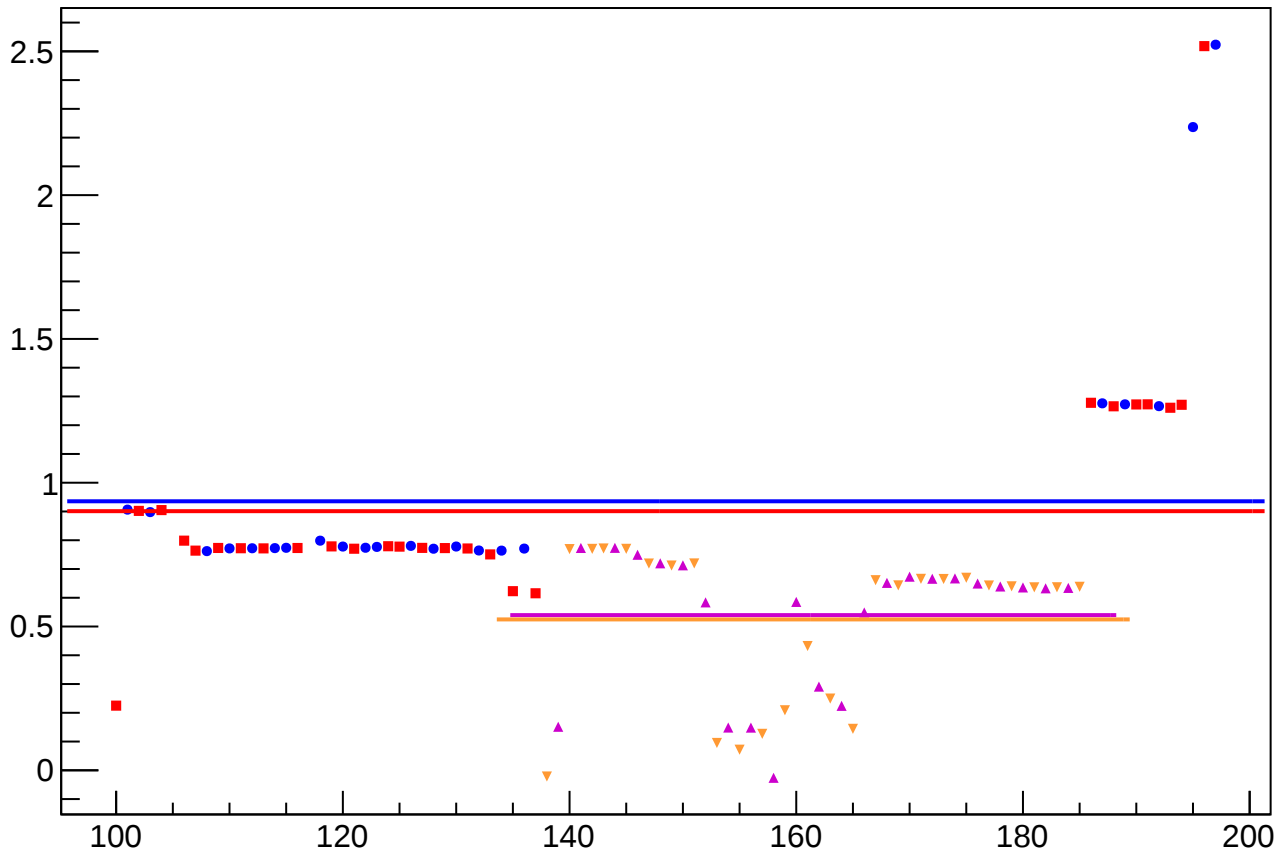
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4689451.2/46

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 8584915.0/95

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3882404.5/48

yield_bpm0l09X_mean vs Slug



Right In: 0.935 $\pm$ 0.000 χ^2 /NDF: 10674819401.3/21

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF: 9623503169.9/24

Right Out: 0.901 $\pm$ 0.000 χ^2 /NDF: 8001848011.6/25

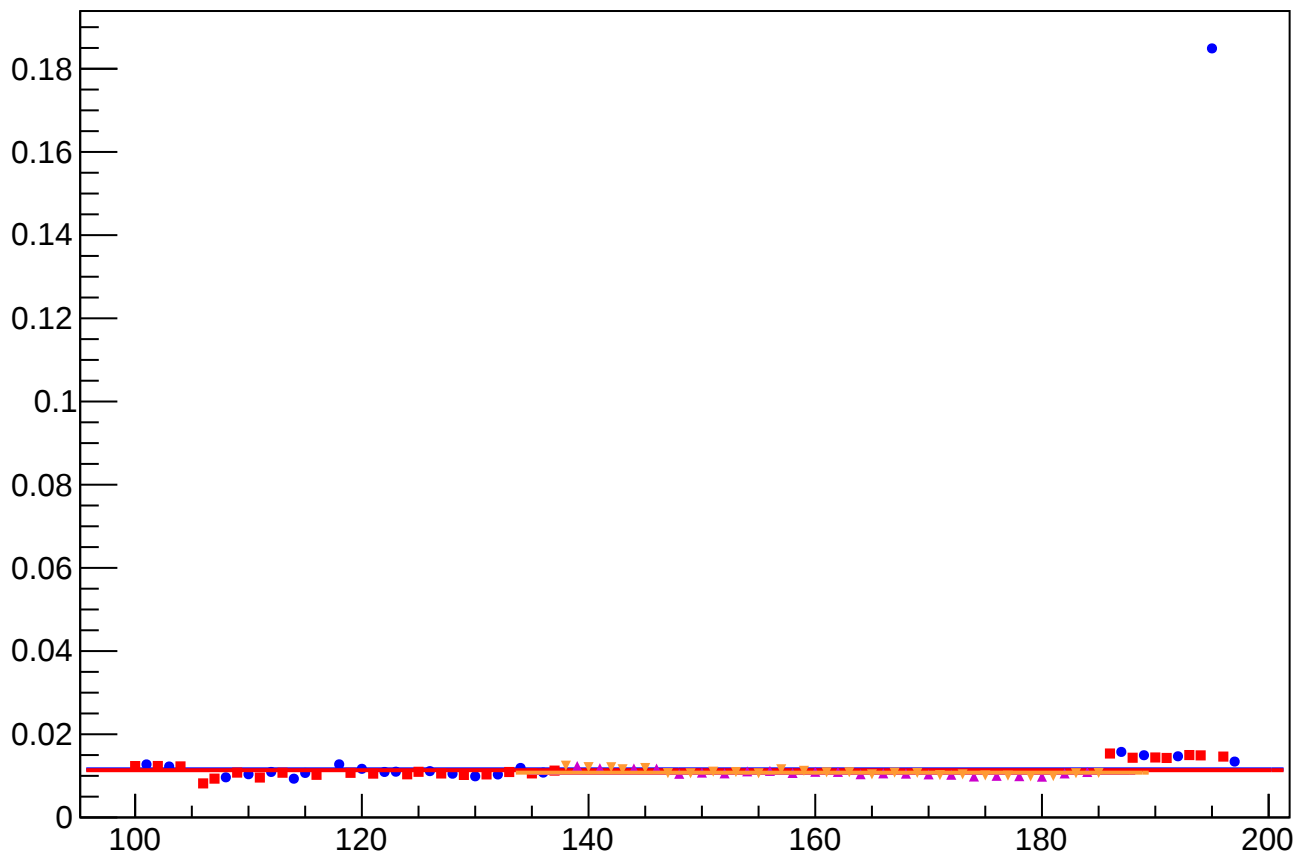
Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 27892625574.9/46

All: 0.656 $\pm$ 0.000 χ^2 /NDF: 50485347956.1/9

- sign 0.666 $\pm$ 0.000 χ^2 /NDF: 22546637740.0/48

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1788236.2/21

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 582457.1/25

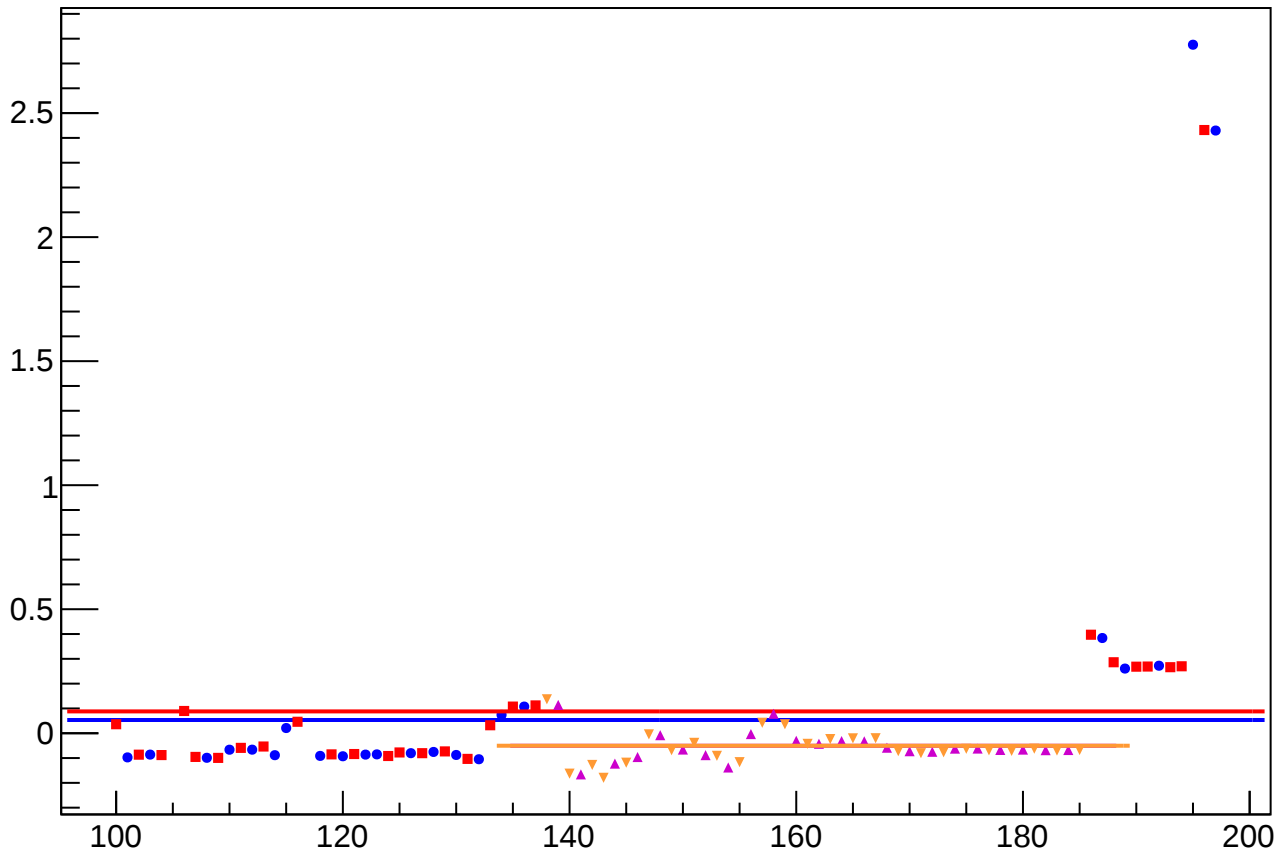
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1976872.7/46

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 2725588.6/95

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 747362.1/48

yield_bpm0l09Y_mean vs Slug



Right In: 0.053+/-0.000 χ^2/NDF : 29634672054.4/21

Left Out: -0.050+/-0.000 χ^2/NDF : 7271496478.6/24

Right Out: 0.088+/-0.000 χ^2/NDF : 22477366777.3/25

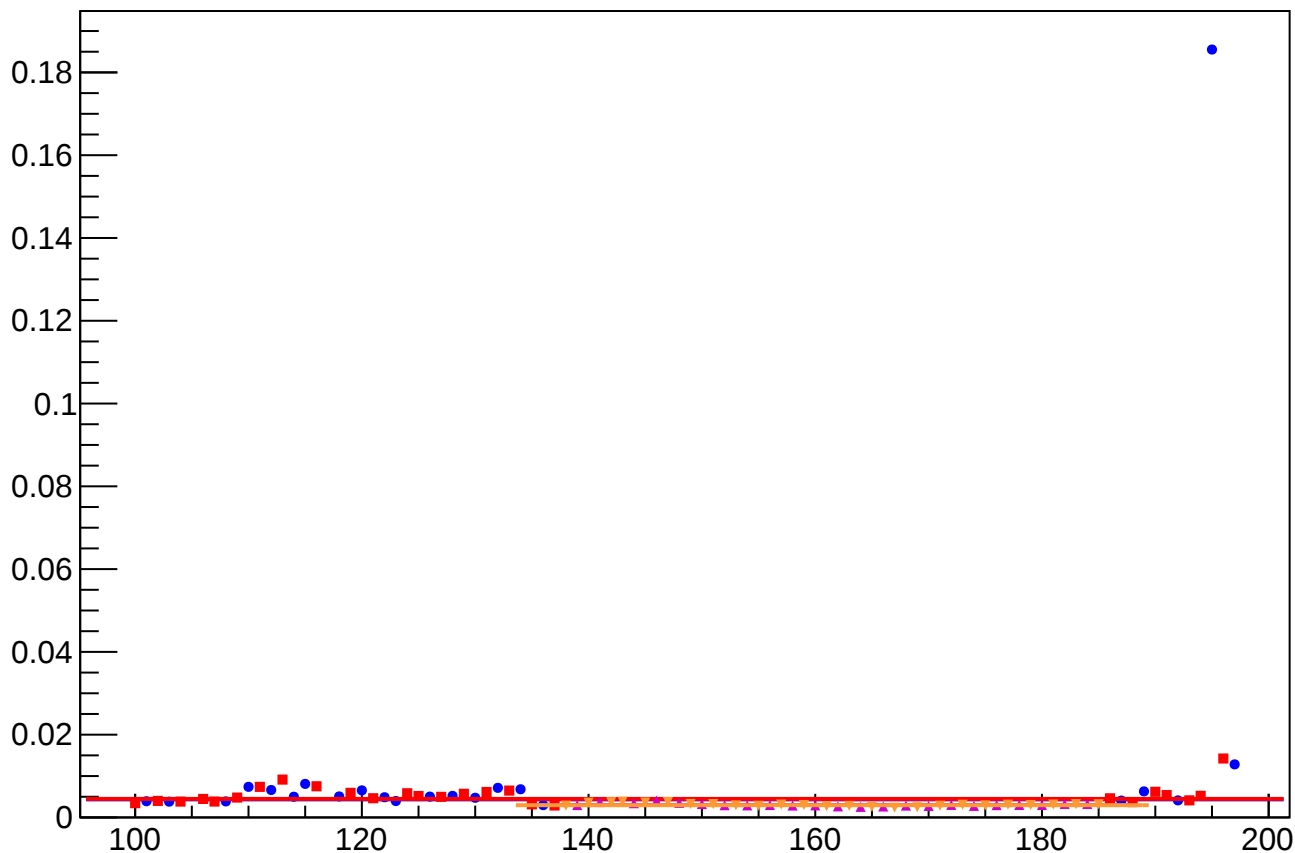
Left In: -0.051+/-0.000 χ^2/NDF : 6128769990.8/22

+ sign -0.033+/-0.000 χ^2/NDF : 40309632943.4/46

All: -0.028+/-0.000 χ^2/NDF : 75851146111.9/47

- sign -0.023+/-0.000 χ^2/NDF : 35418152410.3/48

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3118321.4/21

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:499039.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1483630.1/25

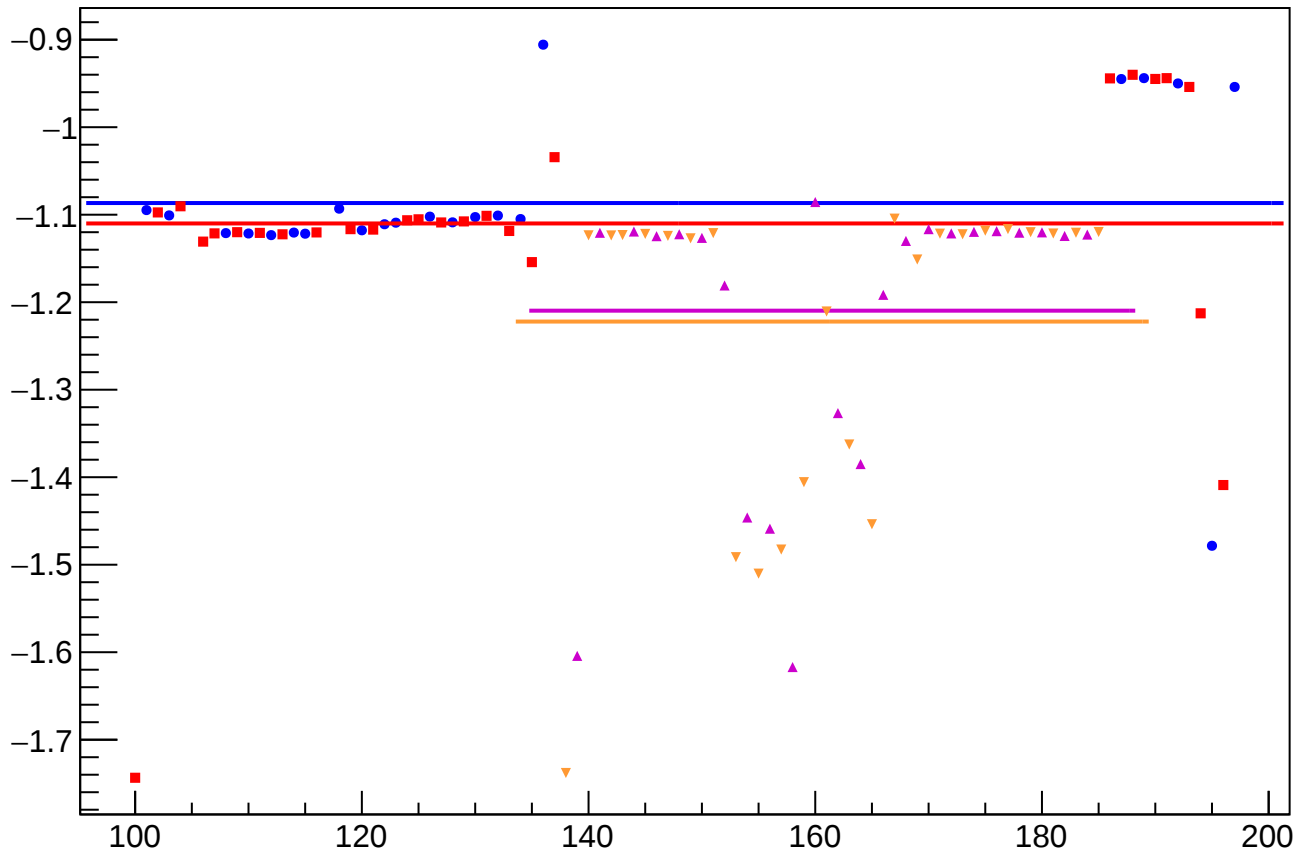
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:329068.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4870710.5/46

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 8243599.7/95

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3348550.5/48

yield_bpm0l10X_mean vs Slug



Right In: -1.087 ± 0.000 $\chi^2/\text{NDF}: 1208293123.5/21$

Left Out: -1.222 ± 0.000 $\chi^2/\text{NDF}: 5279548861.3/24$

Right Out: -1.110 ± 0.000 $\chi^2/\text{NDF}: 1115362198.5/25$

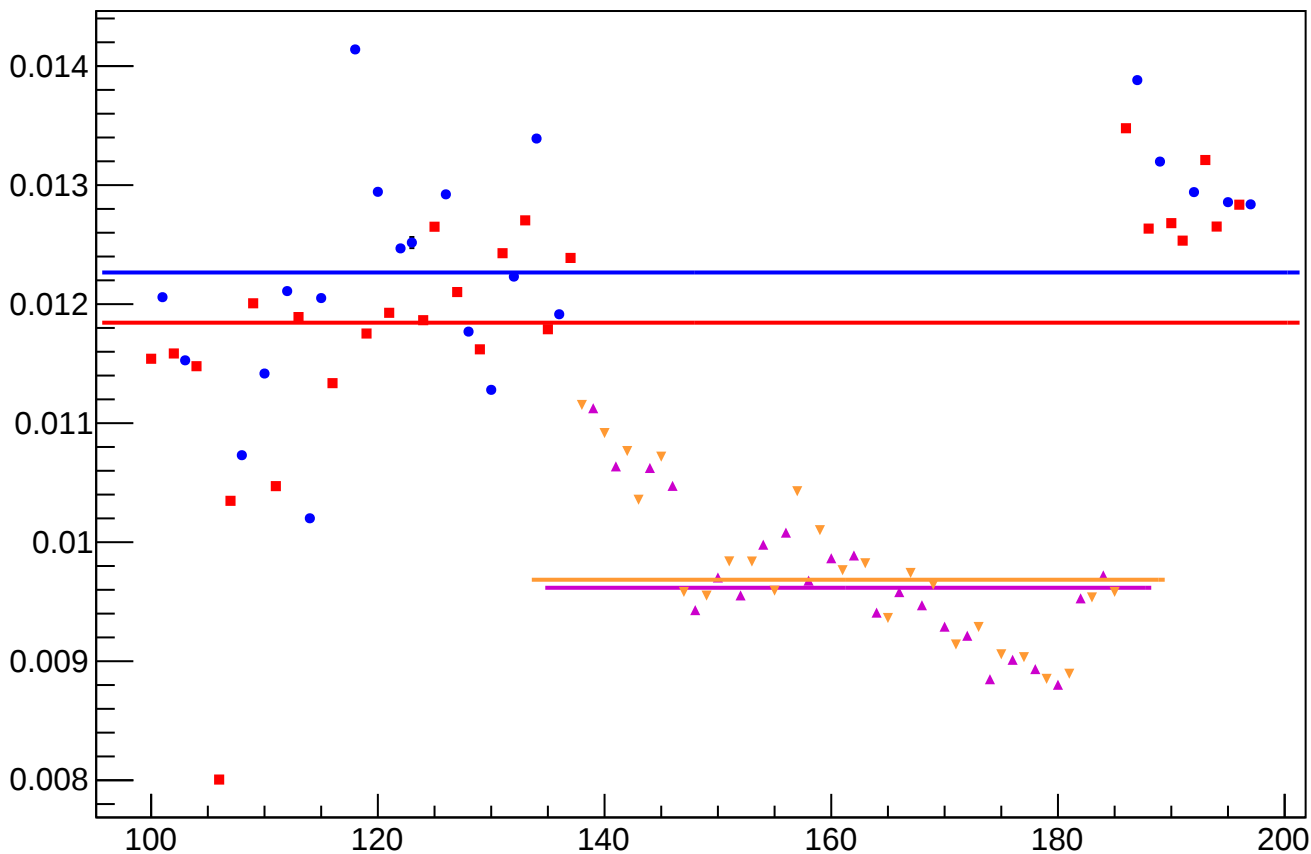
Left In: -1.210 ± 0.000 $\chi^2/\text{NDF}: 4502367902.8/22$

+ sign -1.188 ± 0.000 $\chi^2/\text{NDF}: 7351625448.5/46$

All: -1.184 ± 0.000 $\chi^2/\text{NDF}: 13520991311.8/100$

- sign -1.180 ± 0.000 $\chi^2/\text{NDF}: 6159547070.3/48$

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 85525.4/21

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 229522.4/25

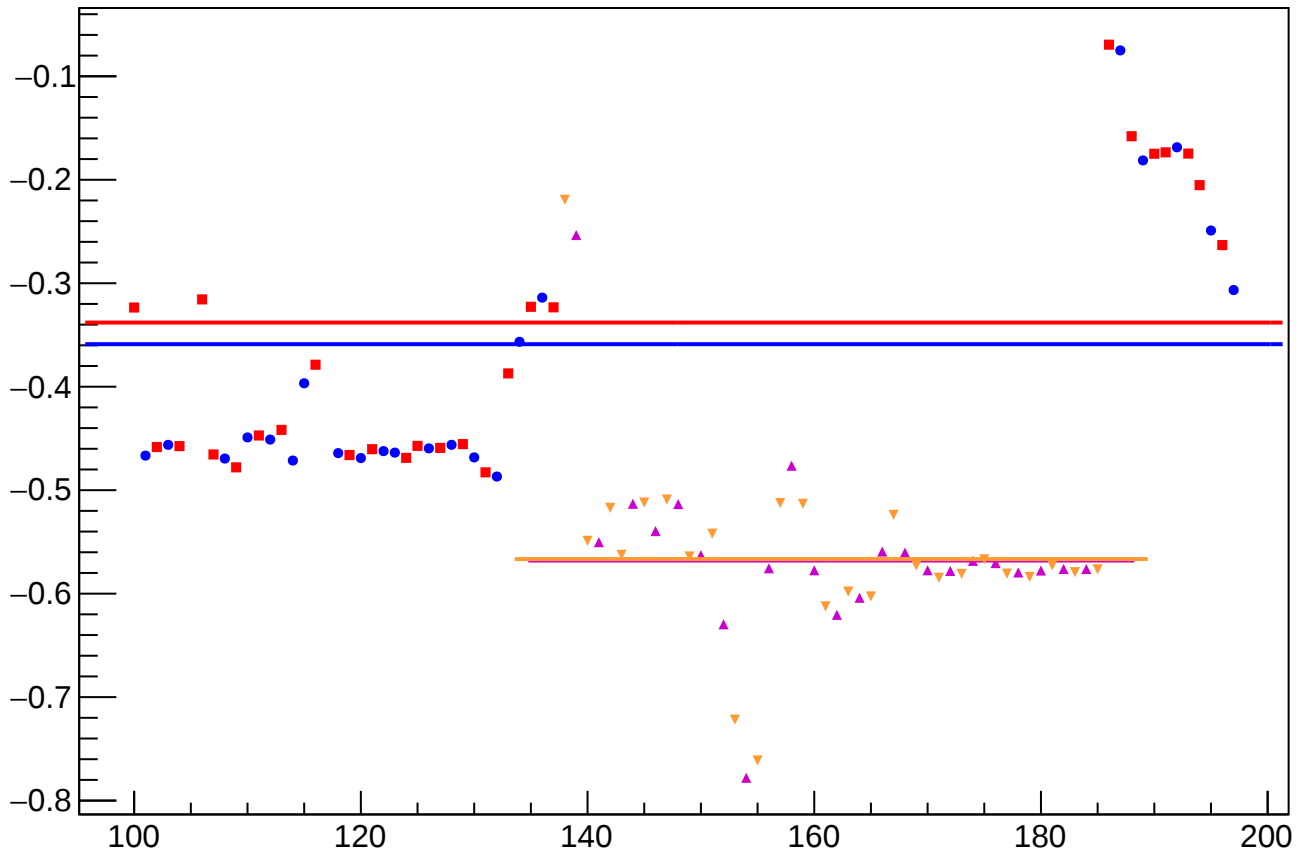
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 847801.7/46

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1738564.9/95

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 890373.2/48

yield_bpm0l10Y_mean vs Slug



Right In: -0.359+/-0.000 χ^2/NDF : 7501788579.4/21

Left Out: -0.567+/-0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.338+/-0.000 χ^2/NDF : 10317138615.2/25

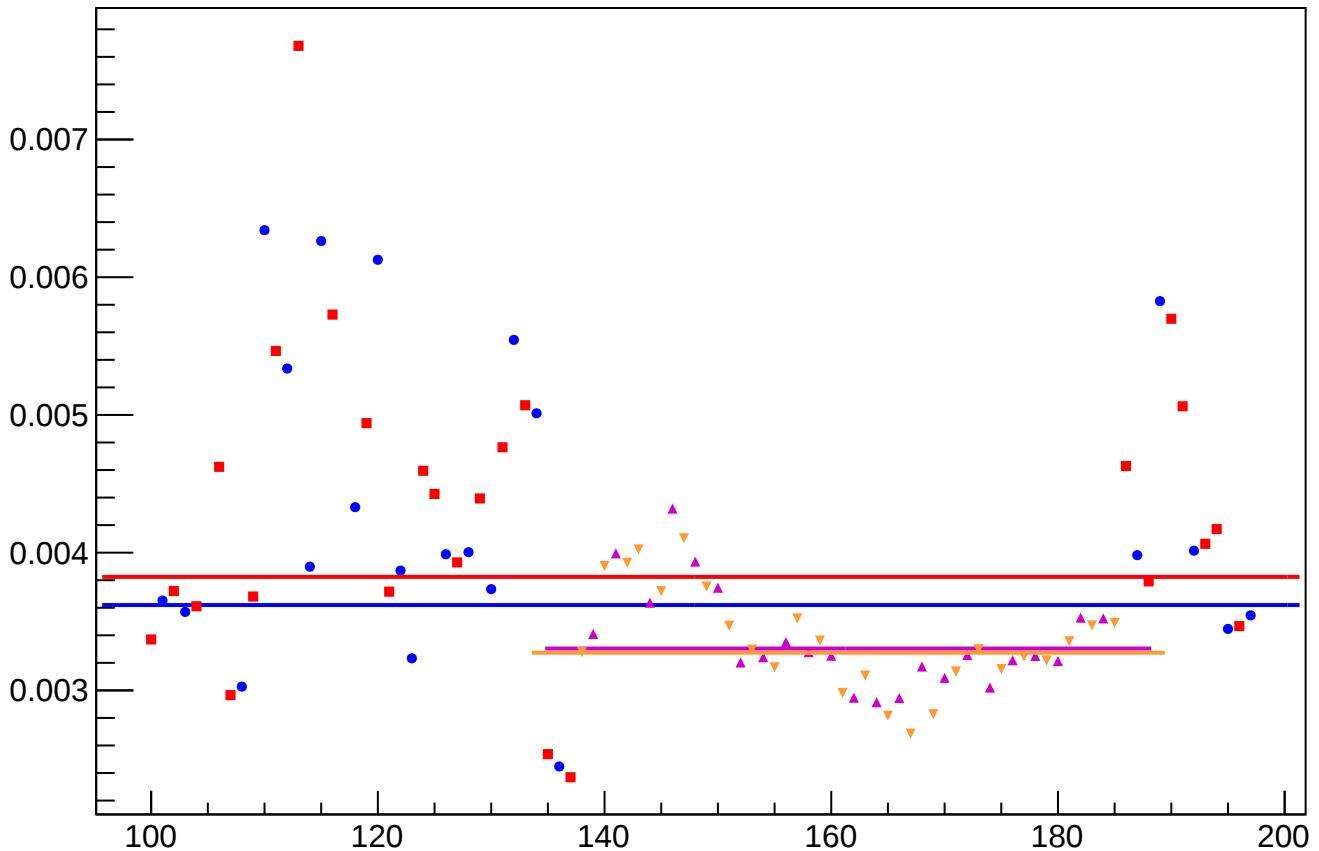
Left In: -0.568+/-0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.508+/-0.000 χ^2/NDF : 40440474634.7/46

All: -0.502+/-0.000 χ^2/NDF : 85620531193.2/47

- sign -0.497+/-0.000 χ^2/NDF : 45044962647.8/48

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 991805.7/21

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1045980.6/25

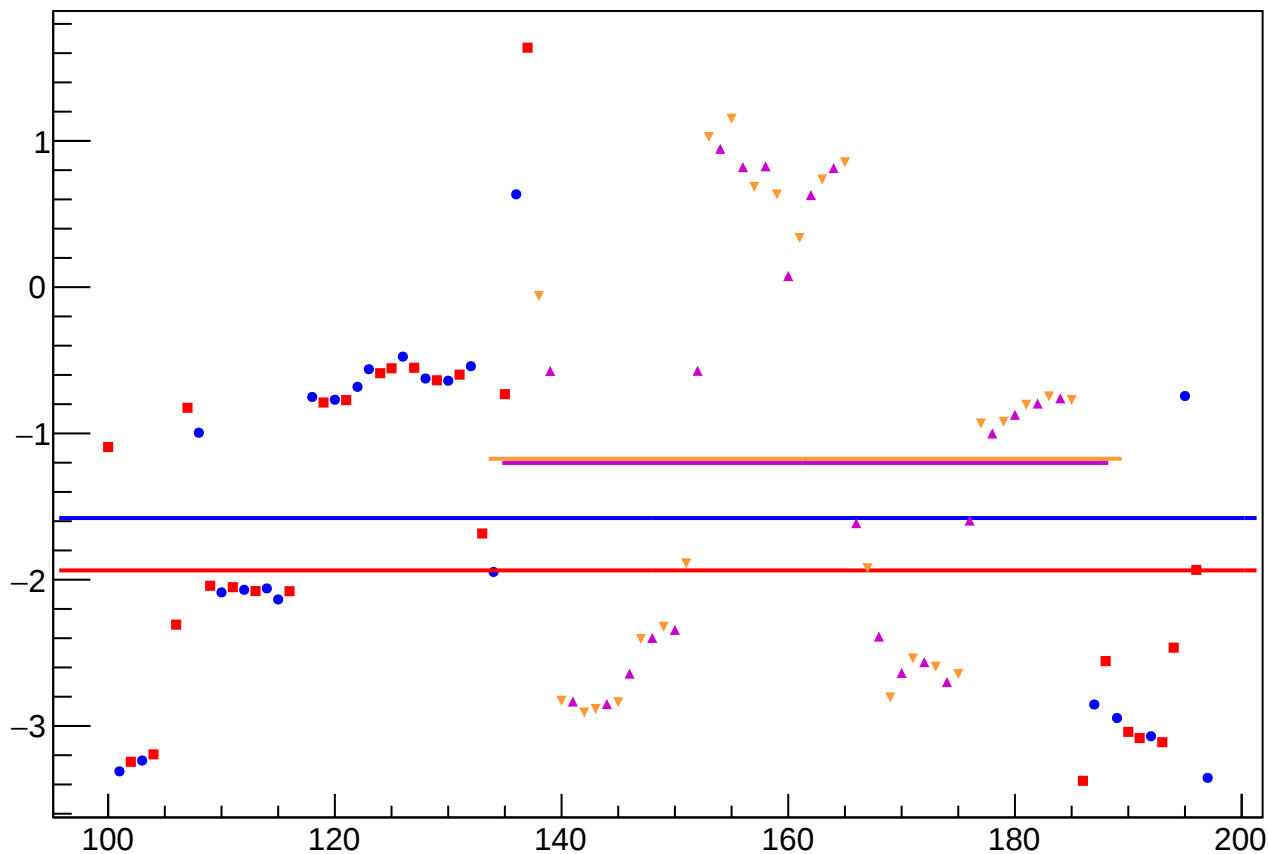
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1495407.1/46

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3095141.1/95

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1580520.8/48

yield_bpm0r03X_mean vs Slug



Right In: -1.578+/-0.000 χ^2/NDF : 3184393241.0/21

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.936+/-0.000 χ^2/NDF : 2507136769.1/25

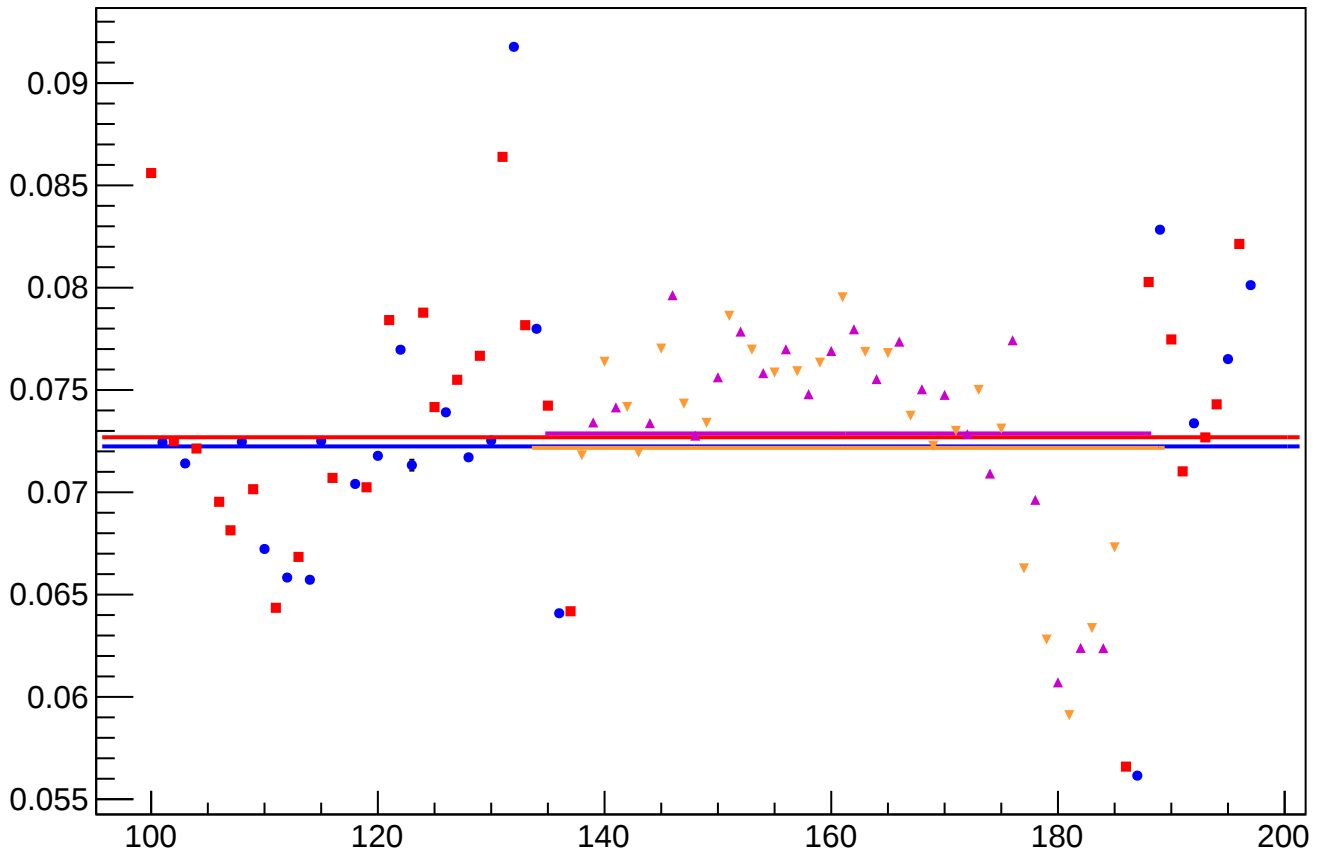
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.314+/-0.000 χ^2/NDF : 10263984787.6/46

All: -1.403+/-0.000 χ^2/NDF : 19145990503.3/47

- sign -1.493+/-0.000 χ^2/NDF : 8796849924.1/48

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF : 139010.6/21

Left Out: 0.072+/-0.000 χ^2/NDF : 222263.8/24

Right Out: 0.073+/-0.000 χ^2/NDF : 169279.6/25

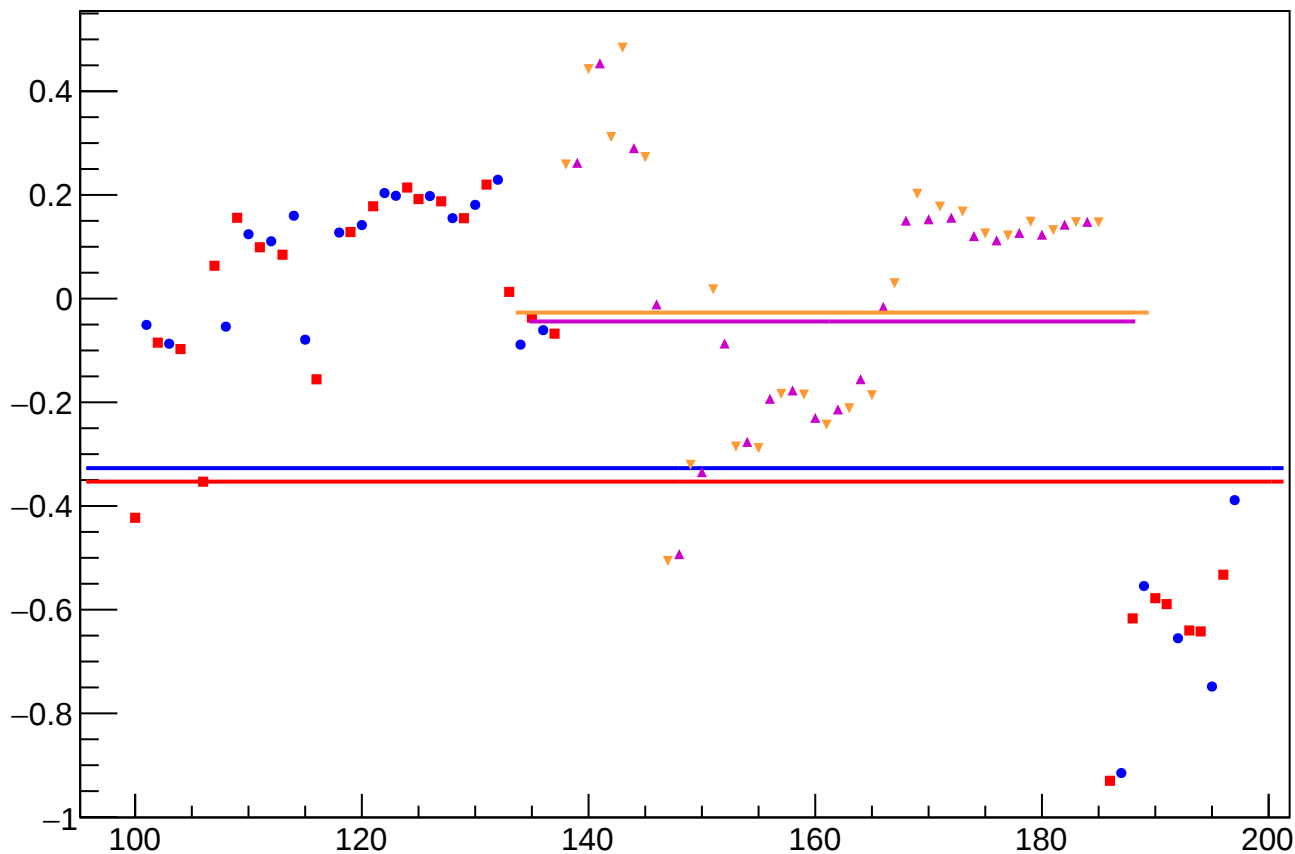
Left In: 0.073+/-0.000 χ^2/NDF : 183503.0/22

+ sign 0.072+/-0.000 χ^2/NDF : 361286.6/46

All: 0.072+/-0.000 χ^2/NDF : 716110.8/95

- sign 0.073+/-0.000 χ^2/NDF : 352870.7/48

yield_bpm0r03Y_mean vs Slug



Right In: -0.327 ± 0.000 $\chi^2/\text{NDF}: 11991644534.5/21$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.353 ± 0.000 $\chi^2/\text{NDF}: 10892798843.5/25$

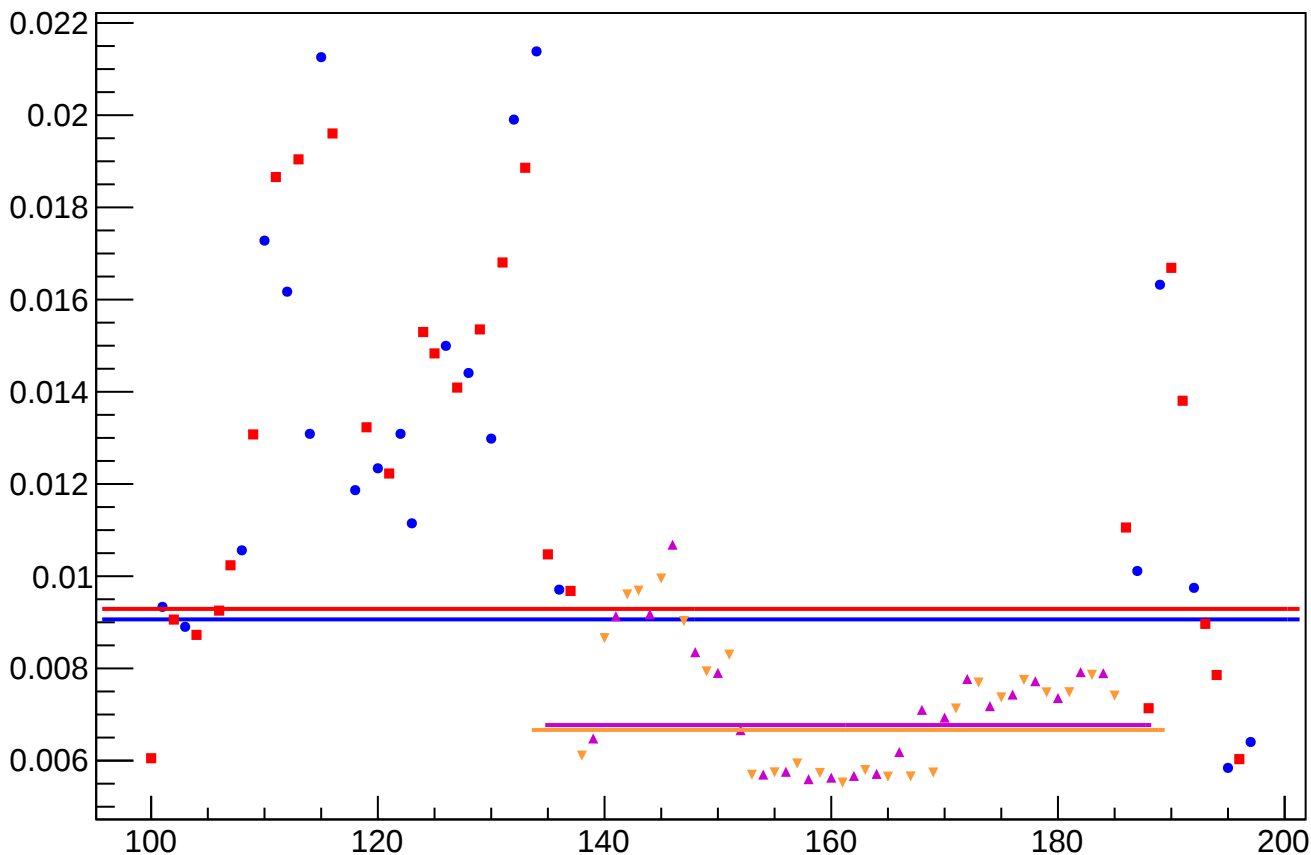
Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

+ sign -0.088 ± 0.000 $\chi^2/\text{NDF}: 39343056954.3/46$

All: -0.102 ± 0.000 $\chi^2/\text{NDF}: 73794785666.2/48$

- sign -0.116 ± 0.000 $\chi^2/\text{NDF}: 34276223879.7/48$

yield_bpm0r03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 2103745.0/21

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2260799.9/25

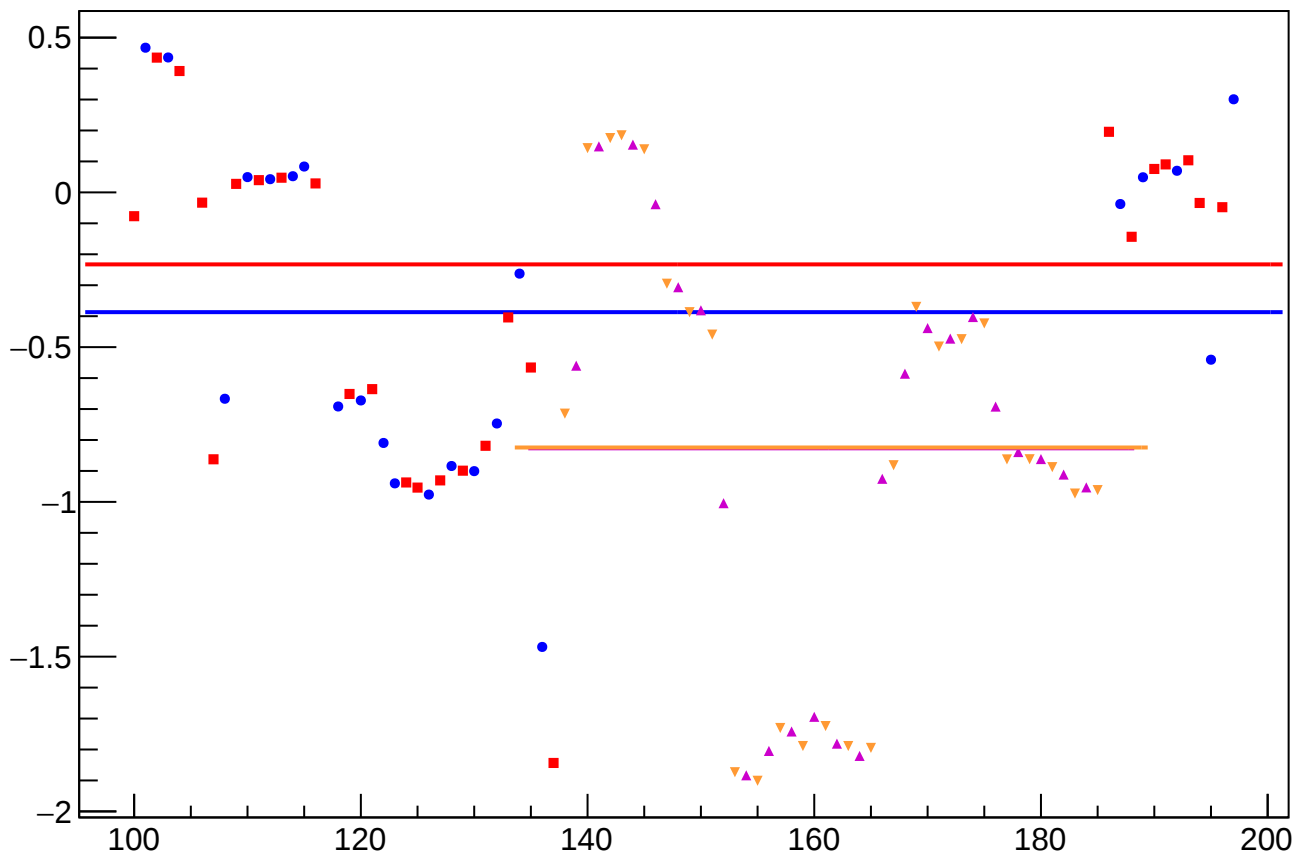
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4137728.3/46

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8370478.5/95

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4214157.6/48

yield_bpm0r05X_mean vs Slug



Right In: -0.387 ± 0.000 $\chi^2/\text{NDF}: 423622308.8/21$

Left Out: -0.824 ± 0.000 $\chi^2/\text{NDF}: 1103610806.5/24$

Right Out: -0.233 ± 0.000 $\chi^2/\text{NDF}: 327242832.9/25$

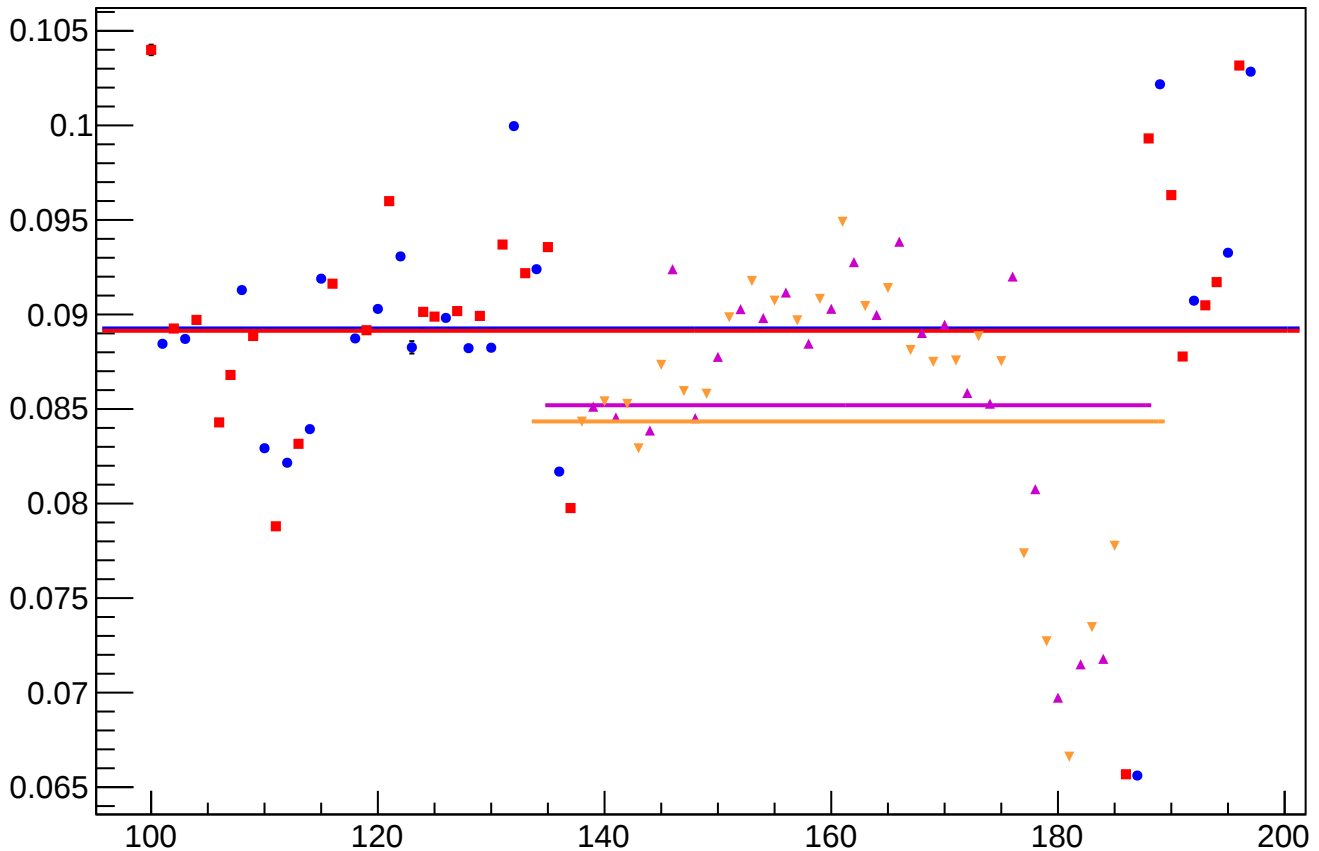
Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 921651117.3/22$

+ sign -0.683 ± 0.000 $\chi^2/\text{NDF}: 1684895261.8/46$

All: -0.644 ± 0.000 $\chi^2/\text{NDF}: 3257293320.7/9$

- sign -0.604 ± 0.000 $\chi^2/\text{NDF}: 1560723681.0/48$

yield_bpm0r05X_rms vs Slug



Right In: 0.089 $\pm$ 0.000 χ^2 /NDF: 120807.4/21

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF: 288312.6/24

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 189674.0/25

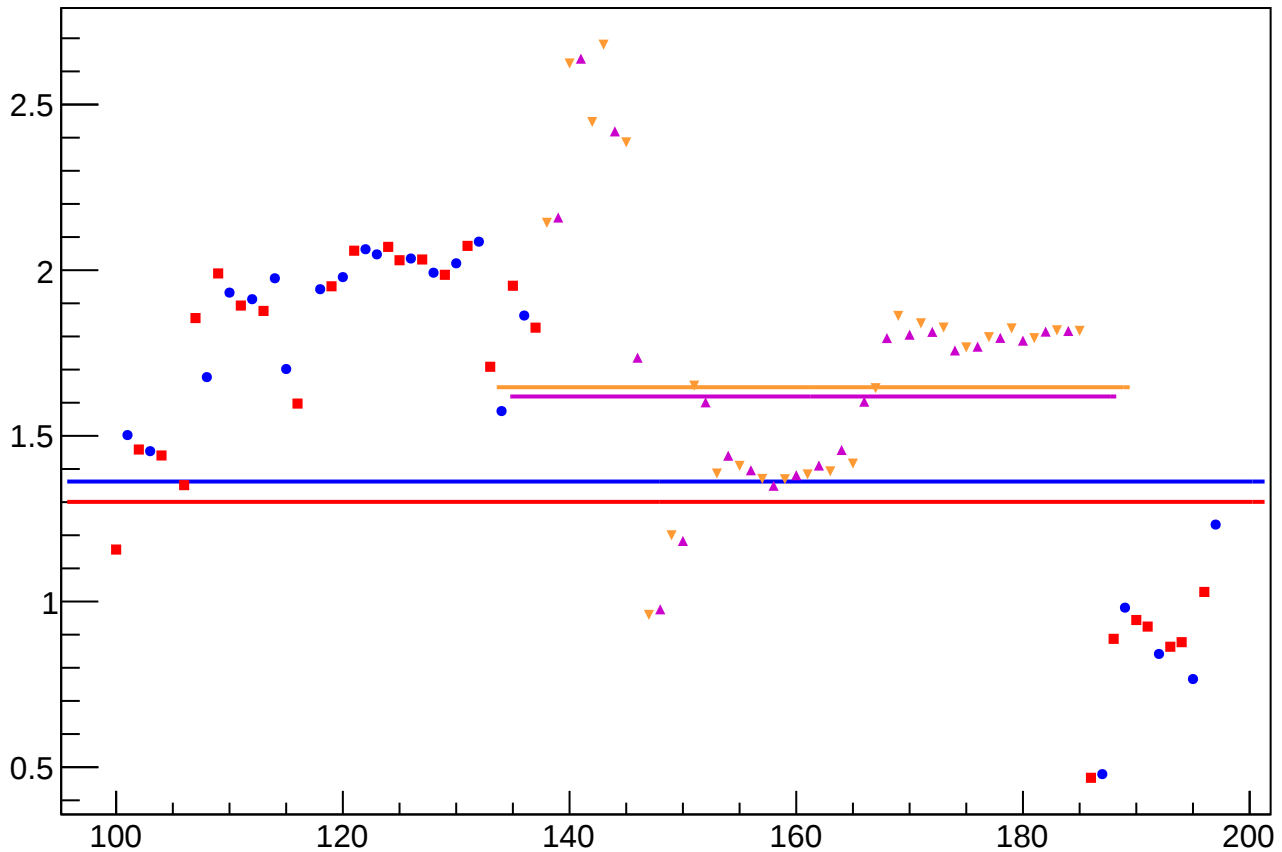
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF: 238313.9/22

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 449018.8/46

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 906471.6/95

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 455368.4/48

yield_bpm0r05Y_mean vs Slug



Right In: 1.362 $\pm$ 0.000 χ^2 /NDF: 12495810229.3/21

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.301 $\pm$ 0.000 χ^2 /NDF: 11969579806.4/25

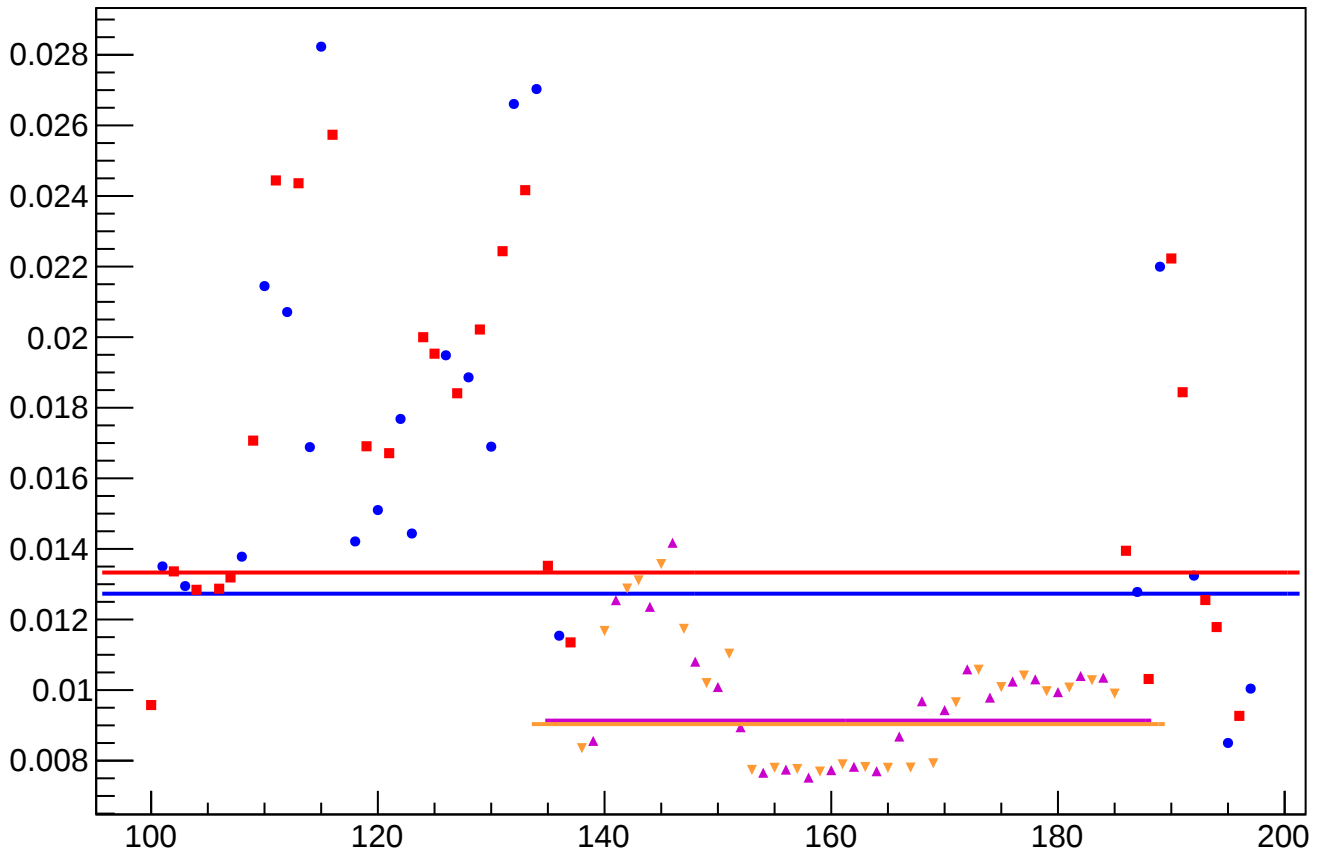
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.591 $\pm$ 0.000 χ^2 /NDF: 42347716248.6/46

All: 1.571 $\pm$ 0.000 χ^2 /NDF: 79329647582.8/9

- sign 1.550 $\pm$ 0.000 χ^2 /NDF: 36773383252.3/48

yield_bpm0r05Y_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1557214.4/21

Left Out: 0.009+/-0.000 χ^2/NDF : 1042871.8/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1648742.8/25

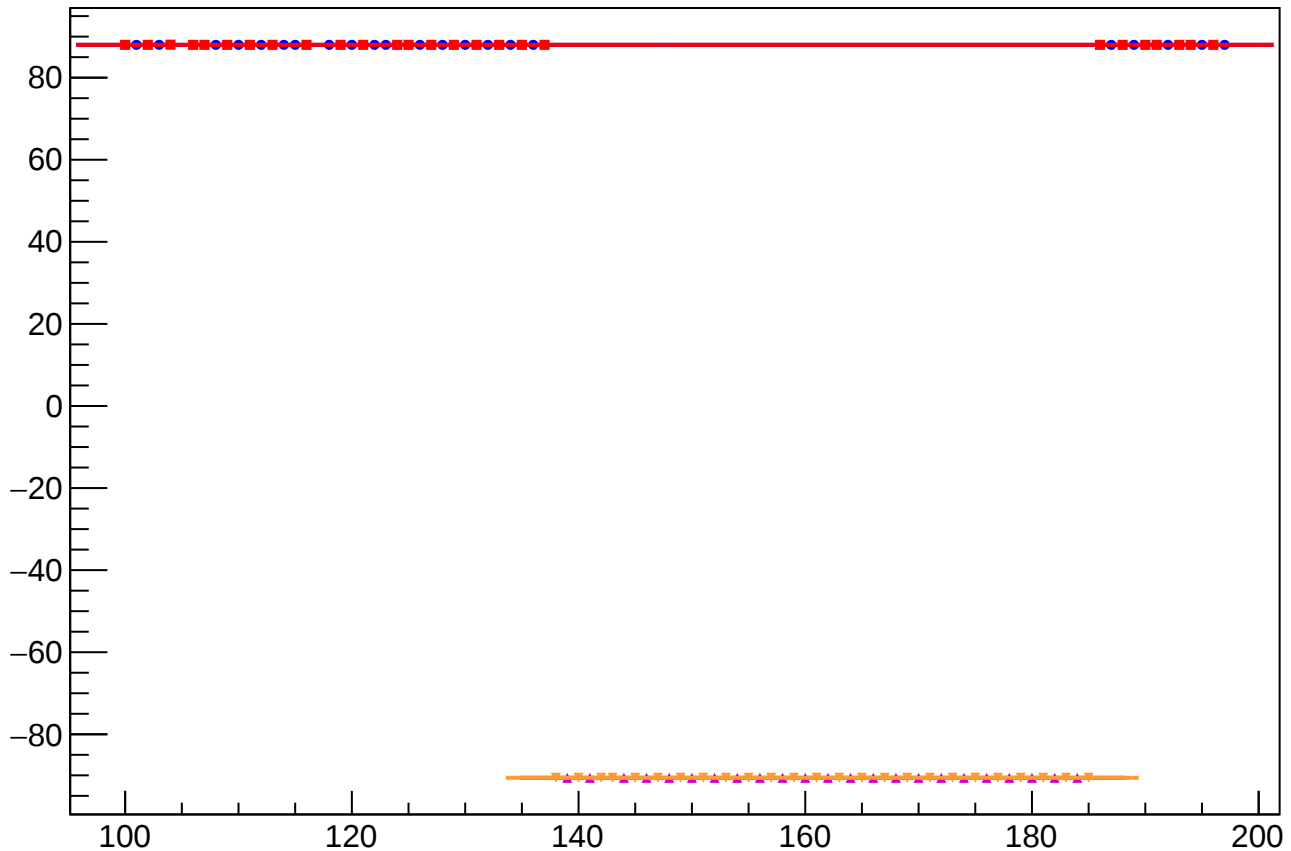
Left In: 0.009+/-0.000 χ^2/NDF : 878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3718171.0/46

All: 0.010+/-0.000 χ^2/NDF : 7722242.5/95

- sign 0.010+/-0.000 χ^2/NDF : 3984457.0/48

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 2186899.1/21

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 79771367129841115773865558016.0/25

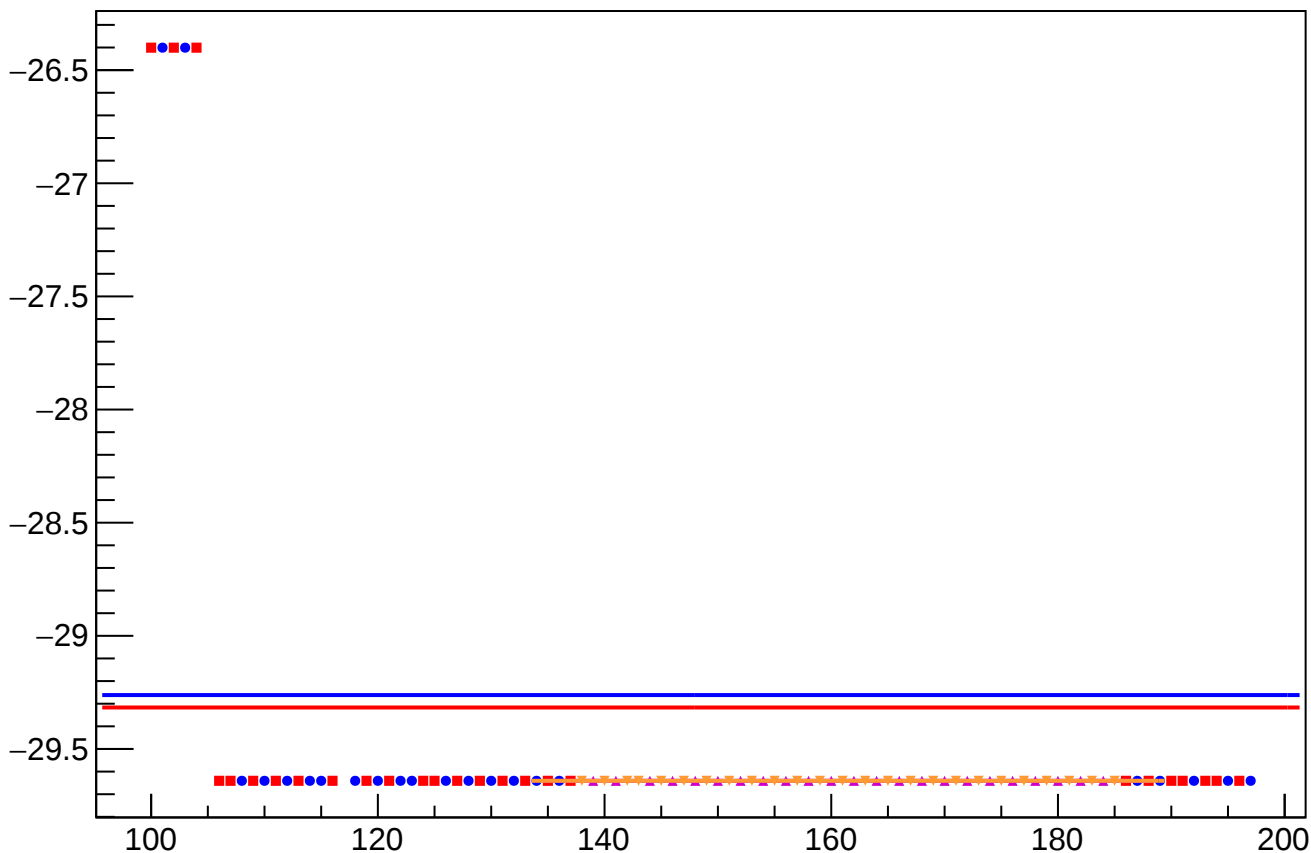
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -28.757 $\pm$ 0.000 χ^2 /NDF: 210406672354838

All: -24.605 $\pm$ 0.000 χ^2 /NDF: 436222508785

- sign -20.512 $\pm$ 0.000 χ^2 /NDF: 2248181920952604

epics_HWienAngles_mean vs Slug



Right In: -29.262+/-0.000 χ^2/NDF : 1093852000792868215142386474418176.0/21

Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24

Right Out: -29.317+/-0.000 χ^2/NDF : 10959494399999996432798159787261952.0/25

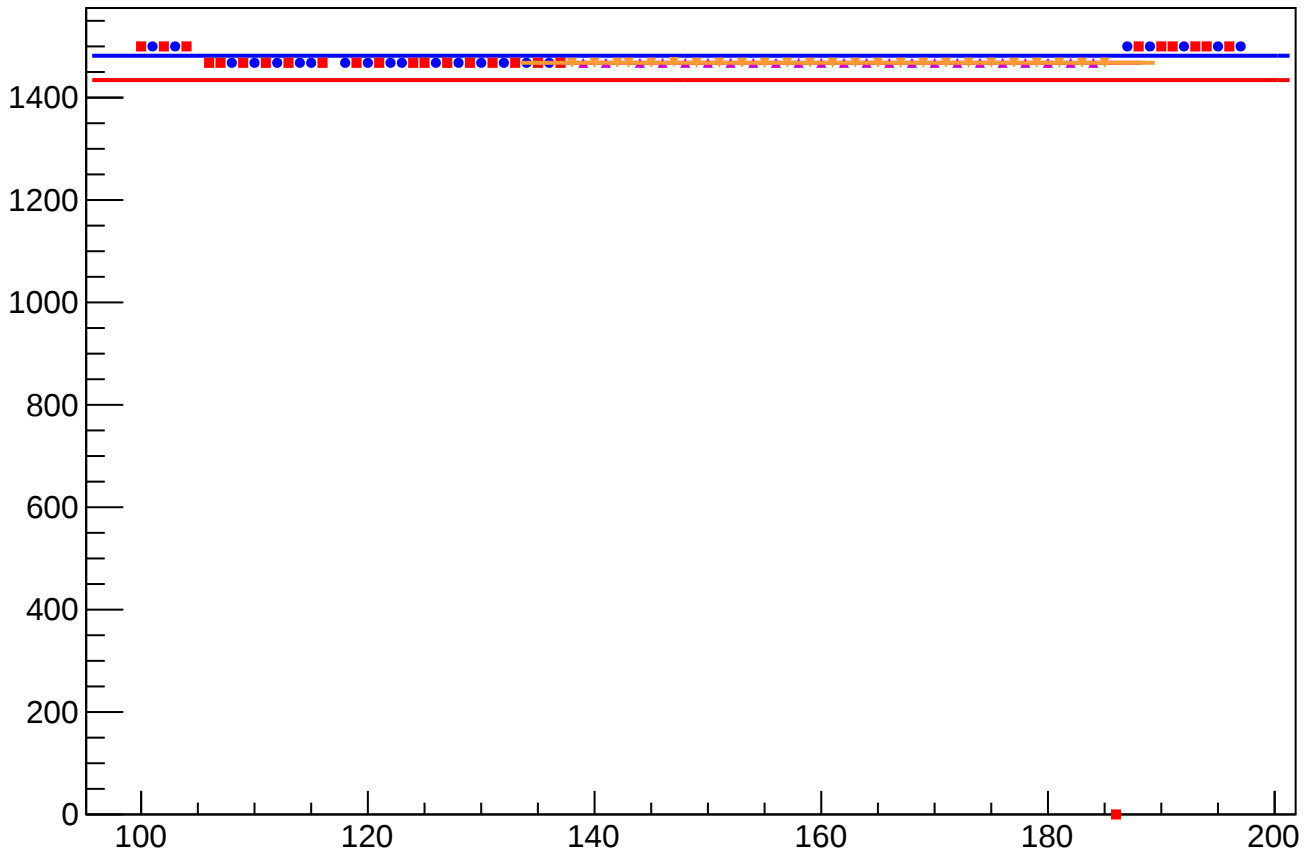
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.510+/-0.000 χ^2/NDF : 118855599615647

All: -29.512+/-0.000 χ^2/NDF : 235851564265

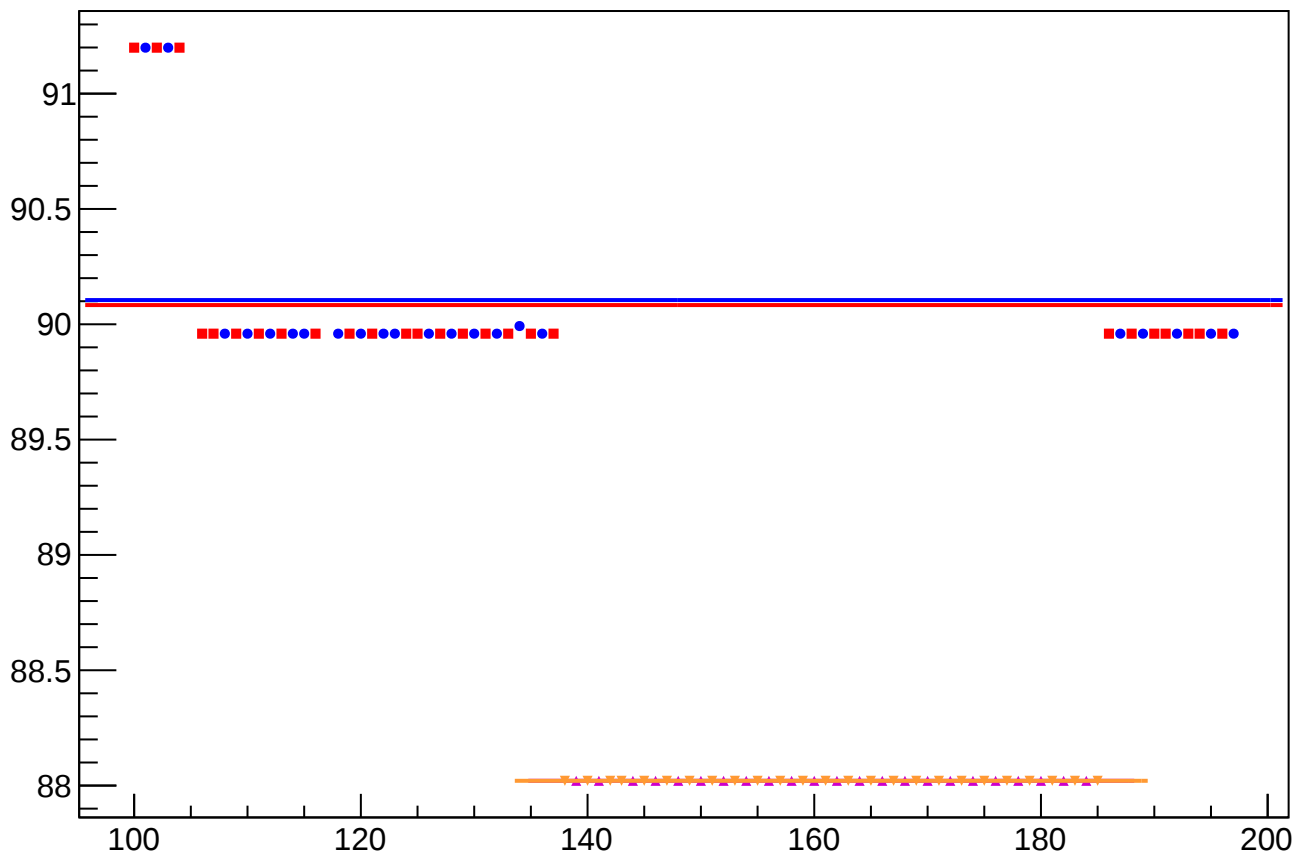
- sign -29.514+/-0.000 χ^2/NDF : 1169935502029744

epics_psub_pl_poss_mean vs Slug



Right In: 1481.816+/-0.000 χ^2/NDF : 253881318967309036095263453330014208.0/21
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1434.190+/-0.000 χ^2/NDF : 81094294489580733410117543557085528064.0/25
 Left In: 1467.994+/-0.000 χ^2/NDF : 14449772795444989723550941184.0/22

epics_Phi_FGs_mean vs Slug



Right In: 90.105+/-0.000 χ^2/NDF : 160039395003156667996047191048192.0/21

Left Out: 88.021+/-0.000 χ^2/NDF : 5679798.5/24

Right Out: 90.083+/-0.000 χ^2/NDF : 160525440000036633431947127816192.0/25

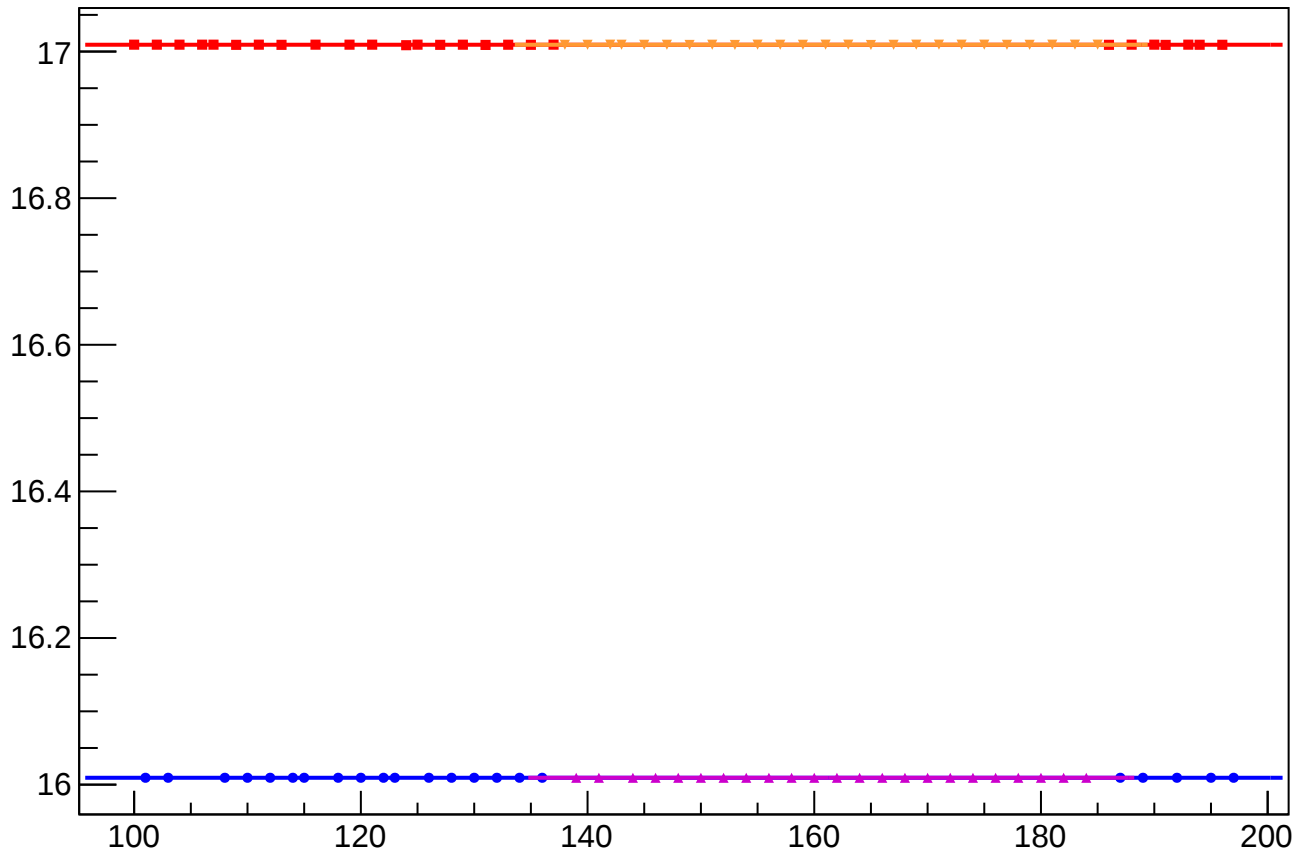
Left In: 88.021+/-0.000 χ^2/NDF : 6257169.0/22

+ sign 88.742+/-0.000 χ^2/NDF : 3025639464217941

All: 88.787+/-0.000 χ^2/NDF : 6195835598462

- sign 88.830+/-0.000 χ^2/NDF : 3158909681436580

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 149050.5/21

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 16244392860710741448065024.0/25

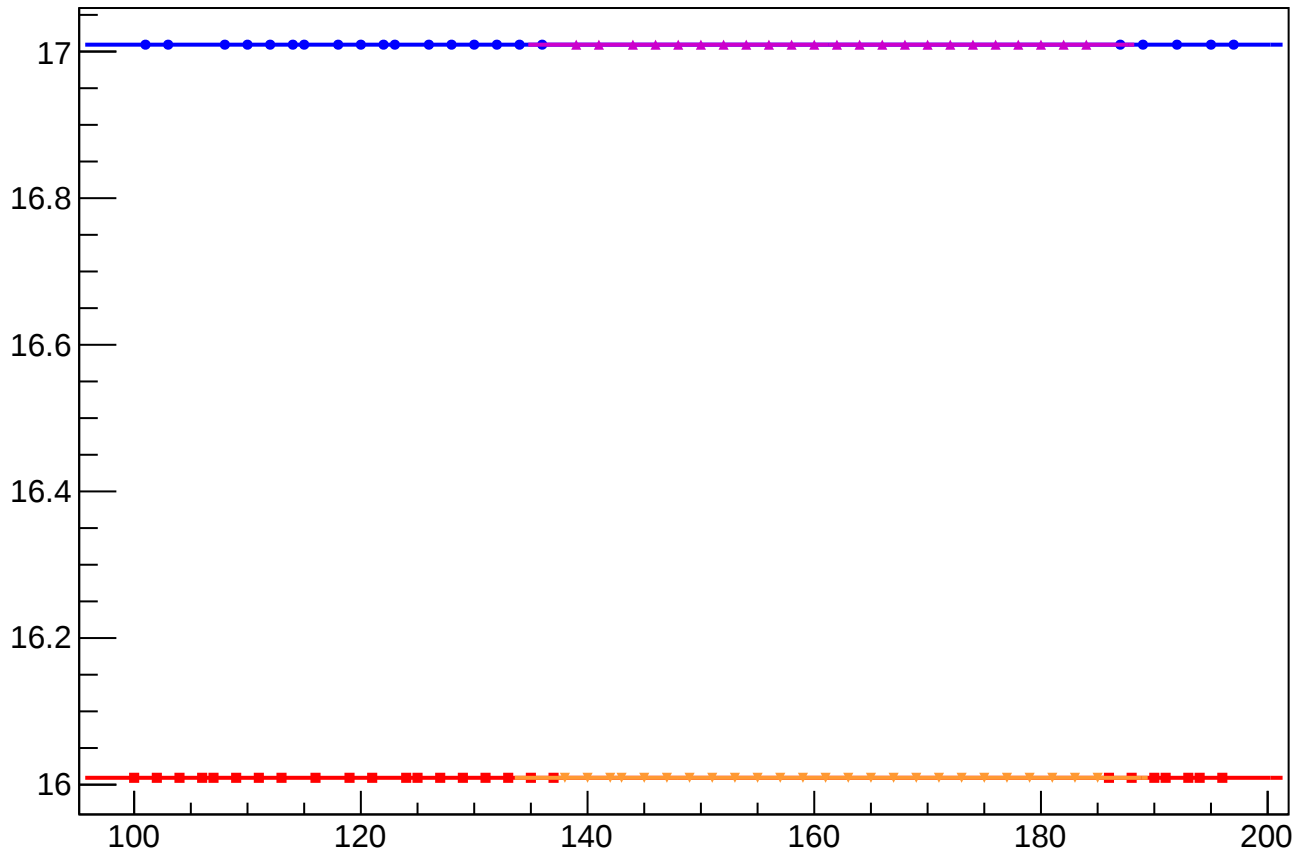
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.654 $\pm$ 0.000 χ^2 /NDF: 6293816910003895

All: 16.529 $\pm$ 0.000 χ^2 /NDF: 1374565638127

- sign 16.405 $\pm$ 0.000 χ^2 /NDF: 6601964879147668

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 219921.8/21

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 226157.0/25

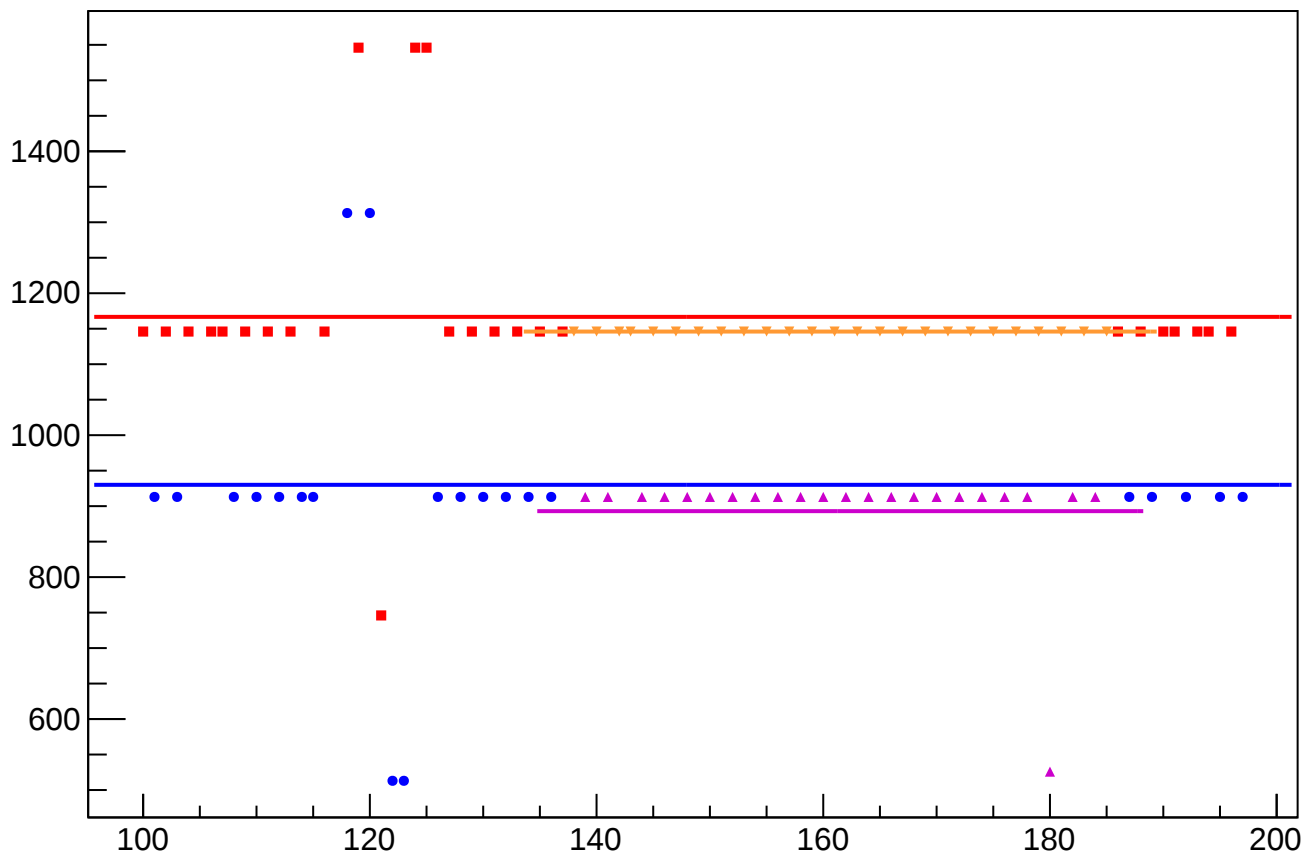
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.351+/-0.000 χ^2/NDF : 6430150454863398

All: 16.483+/-0.000 χ^2/NDF : 1436434057303

- sign 16.612+/-0.000 χ^2/NDF : 6952120503065460

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 930.042+/-0.000 χ^2/NDF : 20988135599359619715797098285257195520.0/21

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1166.700+/-0.000 χ^2/NDF : 21584149245867655167225245950579572736.0/25

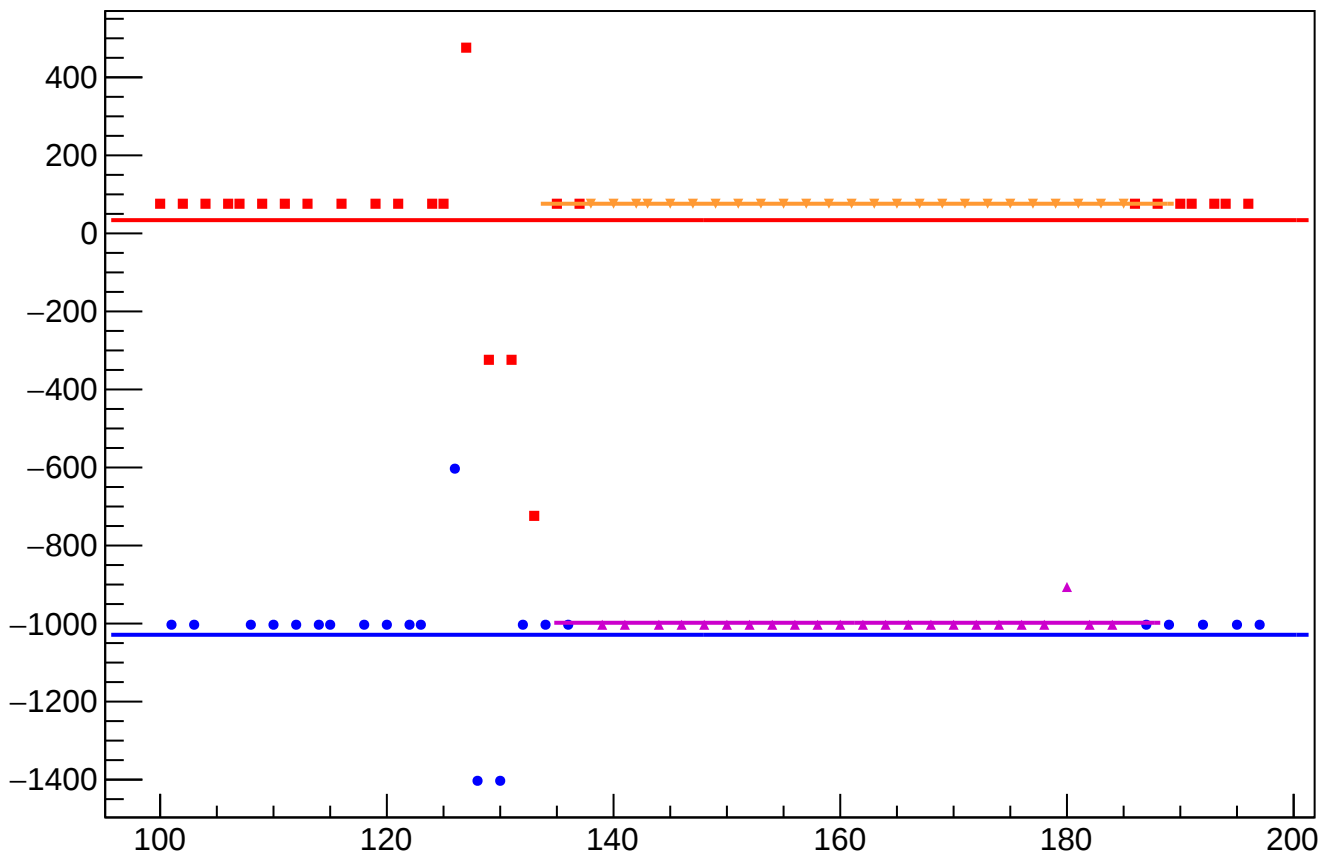
Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1035.549+/-0.000 χ^2/NDF : 14673585093

+ sign 1071.230+/-0.000 χ^2/NDF : 51754831788297

- sign 1000.376+/-0.000 χ^2/NDF : 87614144626933

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1028.758+/-0.000 χ^2/NDF : 22529676945638889668390032433194467328.0/21

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24

Right Out: 33.941+/-0.000 χ^2/NDF : 44986738708769156169295944550075858944.0/25

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22