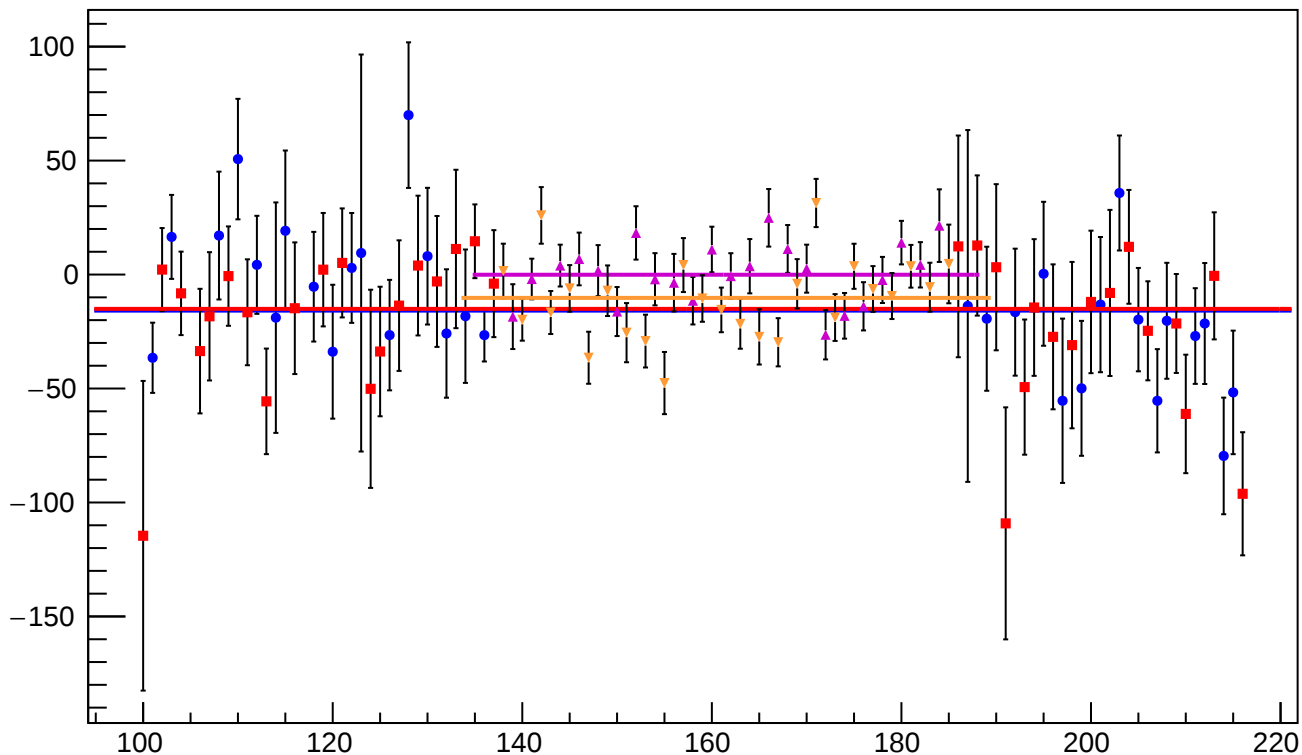


diff_bpm4aX_mean vs Slug



Right In: -15.816 ± 4.395

χ^2/NDF : 43.2/31

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -15.057 ± 4.505

χ^2/NDF : 34.6/34

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -11.332 ± 1.946

χ^2/NDF : 102.6/56

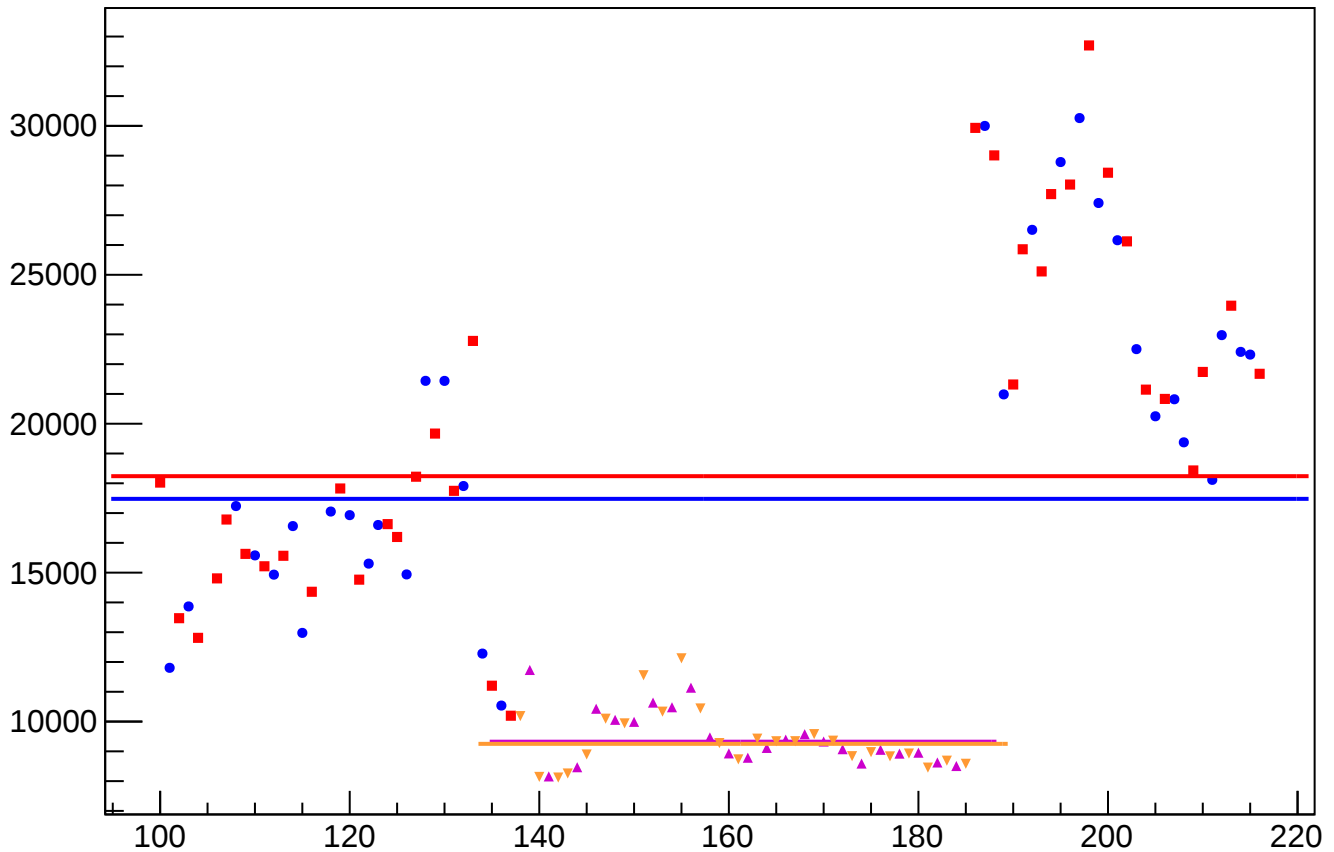
All: -7.342 ± 1.399

χ^2/NDF : 184.6/114

- sign -3.072 ± 2.013

χ^2/NDF : 73.3/57

diff_bpm4aX_rms vs Slug



Right In: 17477.286+/-3.108 χ^2/NDF : 2892071.4/31

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

Right Out: 18238.740+/-3.185 χ^2/NDF : 2927832.3/34

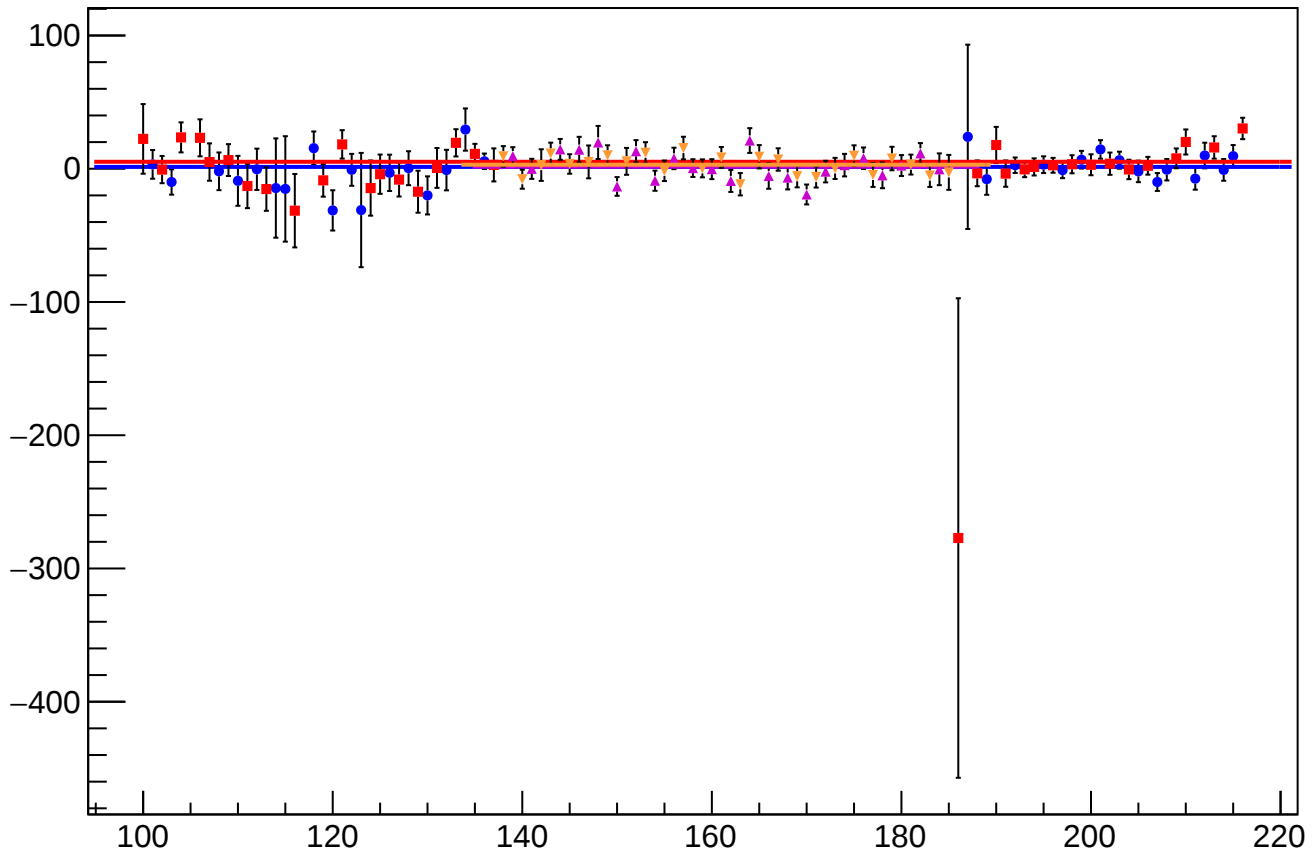
Left In: 9323.983+/-1.591 χ^2/NDF :275717.0/22

+ sign 10864.159+/-1.376 χ^2/NDF : 8856048.5/56

All: 10980.365+/-0.989 χ^2/NDF : 18342998.7

- sign 11104.750+/-1.424 χ^2/NDF : 9472183.7/57

diff_bpm4aY_mean vs Slug



Right In: 1.383 $\pm$ 1.641 χ^2 /NDF: 26.6/31

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

Right Out: 5.240 $\pm$ 1.623 χ^2 /NDF: 40.9/34

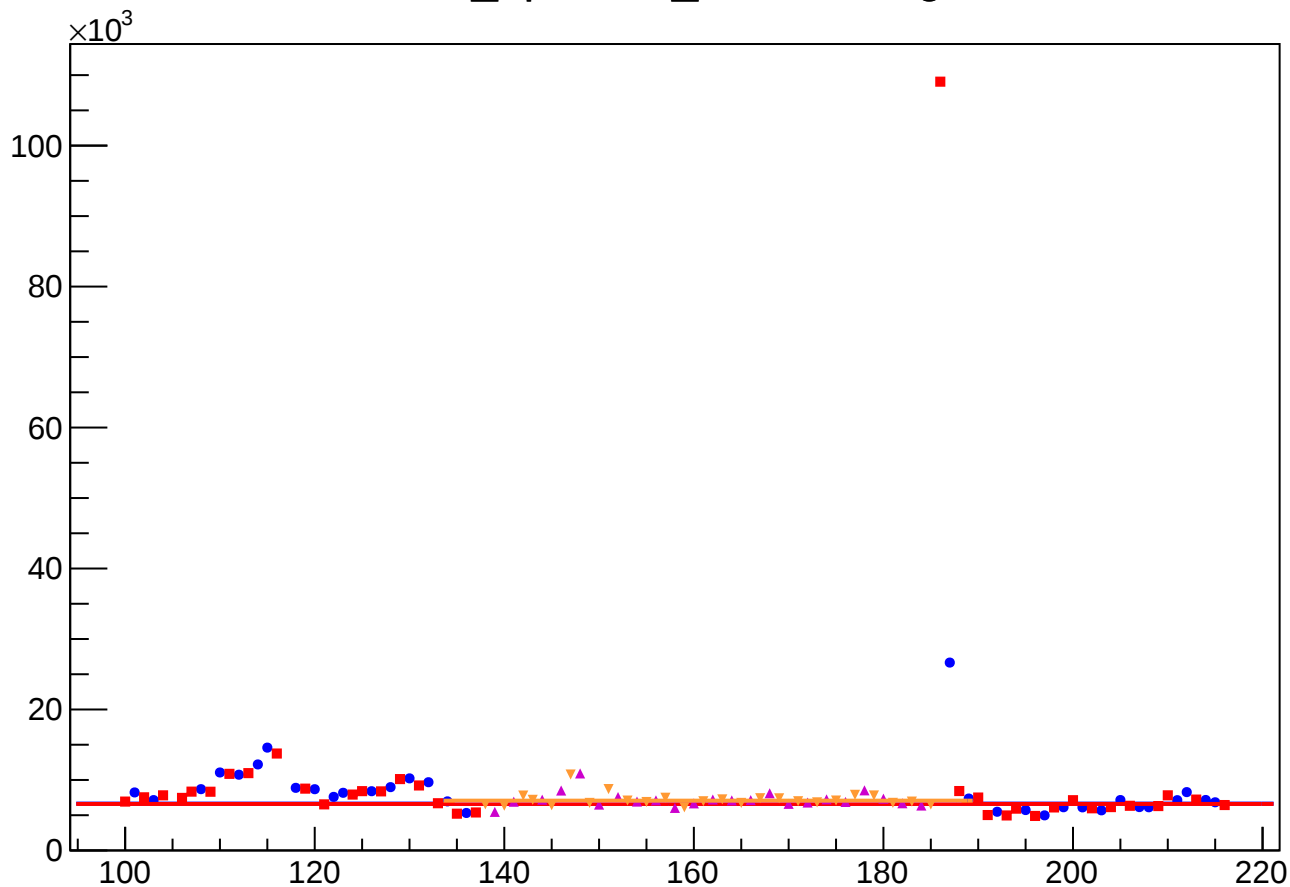
Left In: 1.588 $\pm$ 1.703 χ^2 /NDF:35.5/22

+ sign 2.195 $\pm$ 1.167 χ^2 /NDF: 45.7/56

All: 2.845 $\pm$ 0.828 χ^2 /NDF: 125.1/114

- sign 3.502 $\pm$ 1.175 χ^2 /NDF: 78.8/57

diff_bpm4aY_rms vs Slug



Right In: 6644.130 ± 1.161 $\chi^2/\text{NDF}: 1612203.0/31$

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

Right Out: 6597.990 ± 1.147 $\chi^2/\text{NDF}: 2152038.2/34$

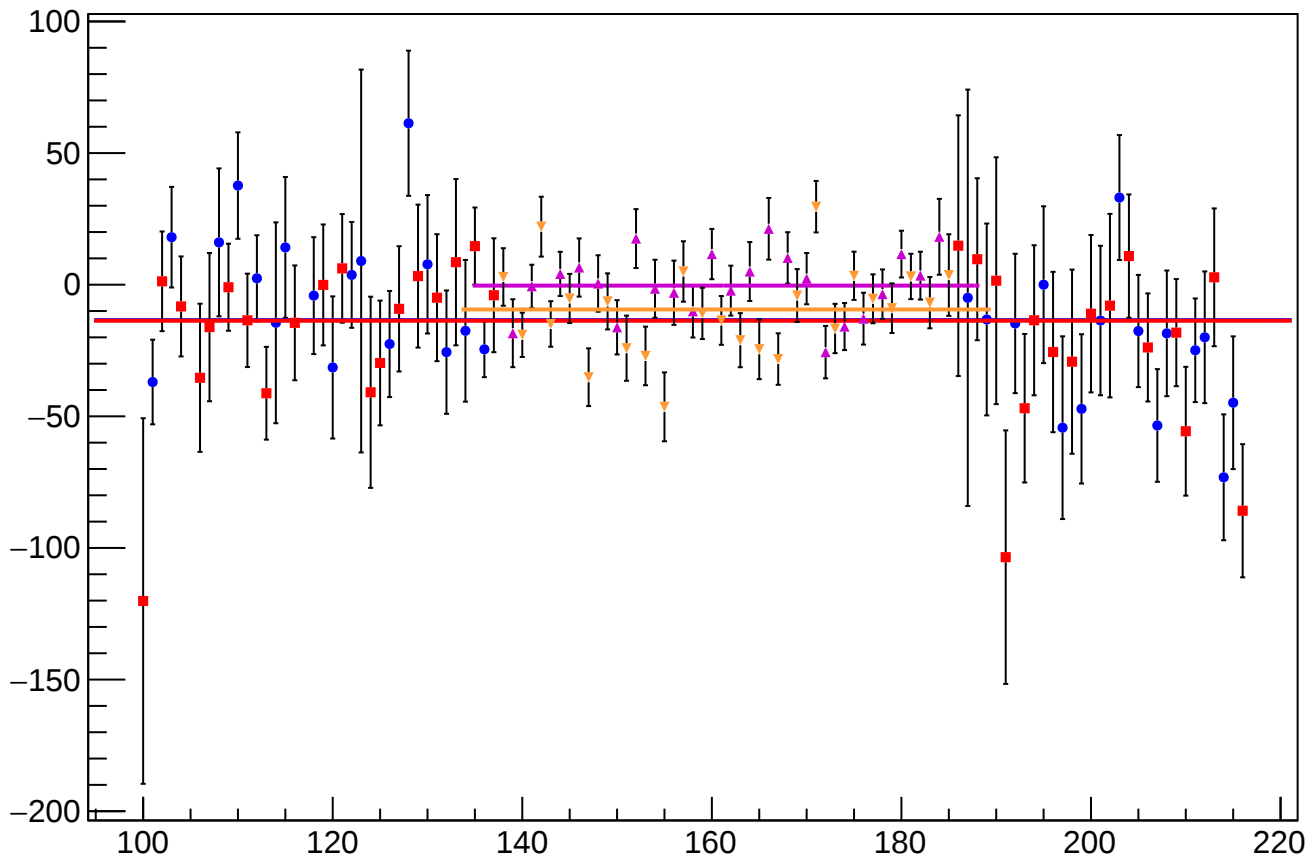
Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

+ sign 6851.852 ± 0.825 $\chi^2/\text{NDF}: 2063832.3/56$

All: 6824.245 ± 0.586 $\chi^2/\text{NDF}: 4806173.2/11$

- sign 6796.291 ± 0.831 $\chi^2/\text{NDF}: 2740089.7/57$

diff_bpm4eX_mean vs Slug



Right In: -13.470 ± 4.024 $\chi^2/\text{NDF}: 44.0/31$

Left Out: -9.411 ± 2.021 $\chi^2/\text{NDF}: 58.8/24$

Right Out: -13.671 ± 4.088 $\chi^2/\text{NDF}: 33.1/34$

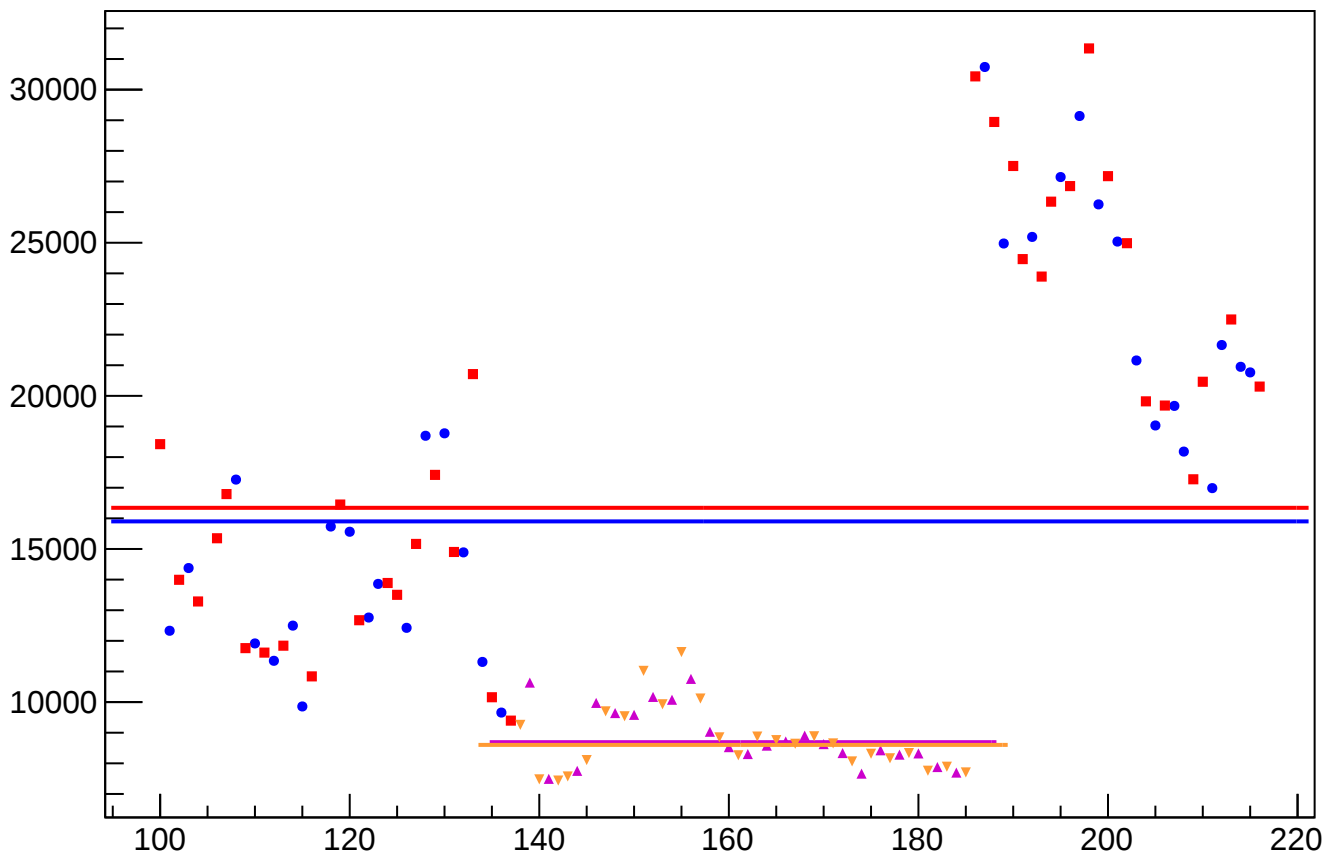
Left In: -0.344 ± 2.100 $\chi^2/\text{NDF}: 29.9/22$

+ sign -10.229 ± 1.806 $\chi^2/\text{NDF}: 103.6/56$

All: -6.798 ± 1.299 $\chi^2/\text{NDF}: 182.5/114$

- sign -3.128 ± 1.868 $\chi^2/\text{NDF}: 71.5/57$

diff_bpm4eX_rms vs Slug



Right In: 15900.713+/-2.846 χ^2/NDF : 3366143.7/31

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

+ sign 10072.165+/-1.277 χ^2/NDF : 9058273.8/56

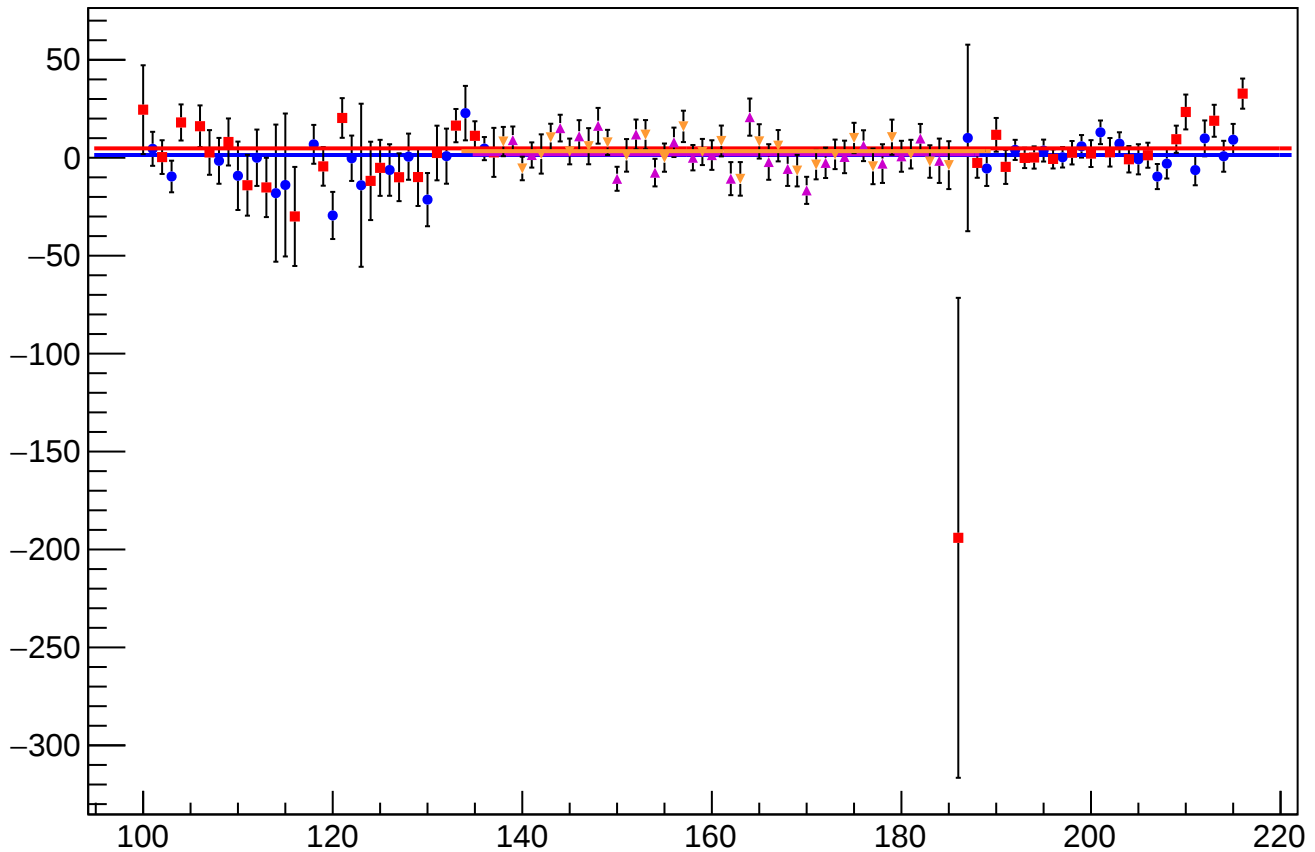
Right Out: 16344.324+/-2.891 χ^2/NDF : 3723150.5/34

All: 10177.293+/-0.918 χ^2/NDF : 18706472.6

- sign 10289.791+/-1.321 χ^2/NDF : 9634170.7/57

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

diff_bpm4eY_mean vs Slug



Right In: 1.408 ± 1.485 χ^2/NDF : 28.3/31

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

Right Out: 4.790 ± 1.448 χ^2/NDF : 49.4/34

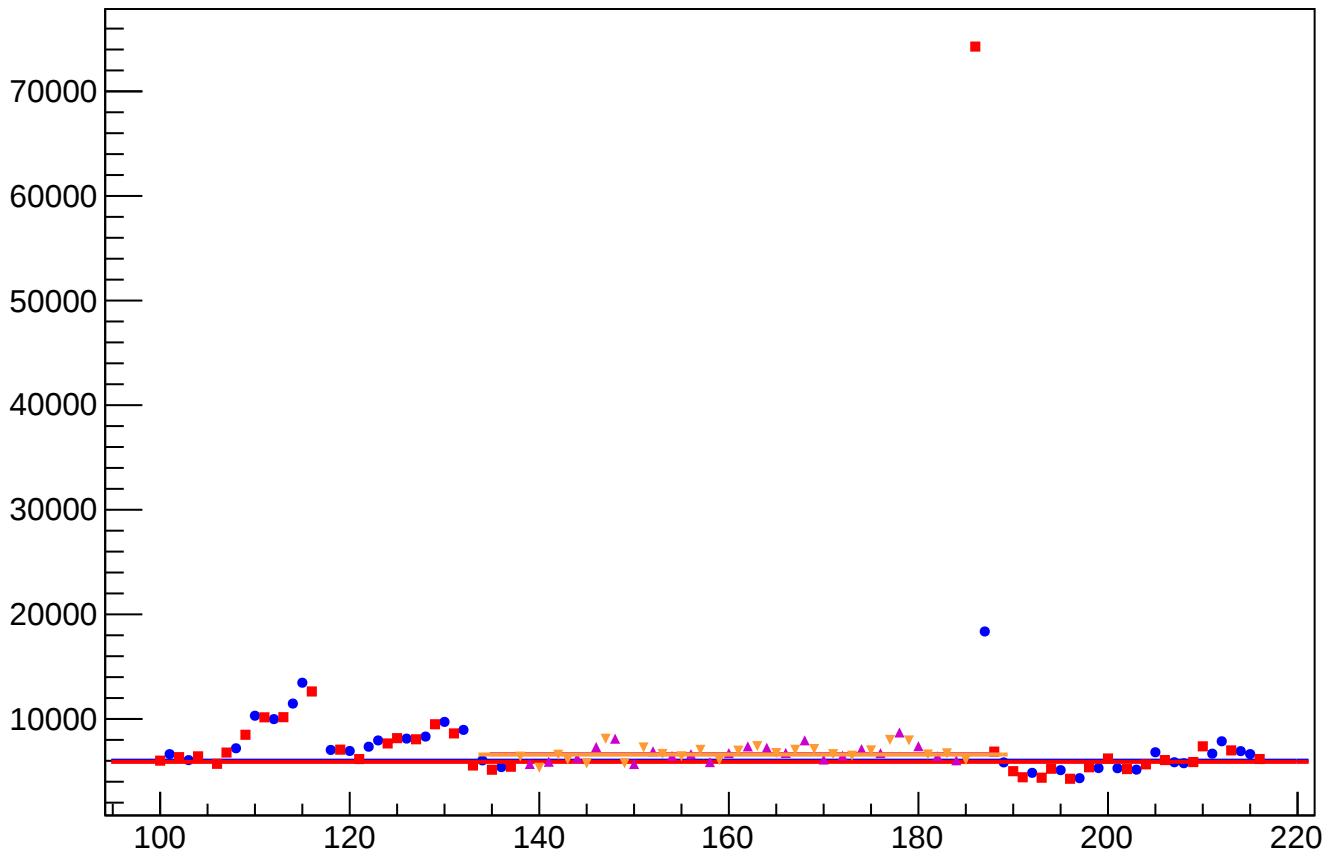
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.348 ± 1.073 χ^2/NDF : 46.3/56

All: 2.888 ± 0.760 χ^2/NDF : 131.8/114

- sign 3.431 ± 1.076 χ^2/NDF : 84.9/57

diff_bpm4eY_rms vs Slug



Right In: 6015.850+/-1.050 χ^2/NDF : 1644533.9/31

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

Right Out: 5898.594+/-1.024 χ^2/NDF : 2235024.4/34

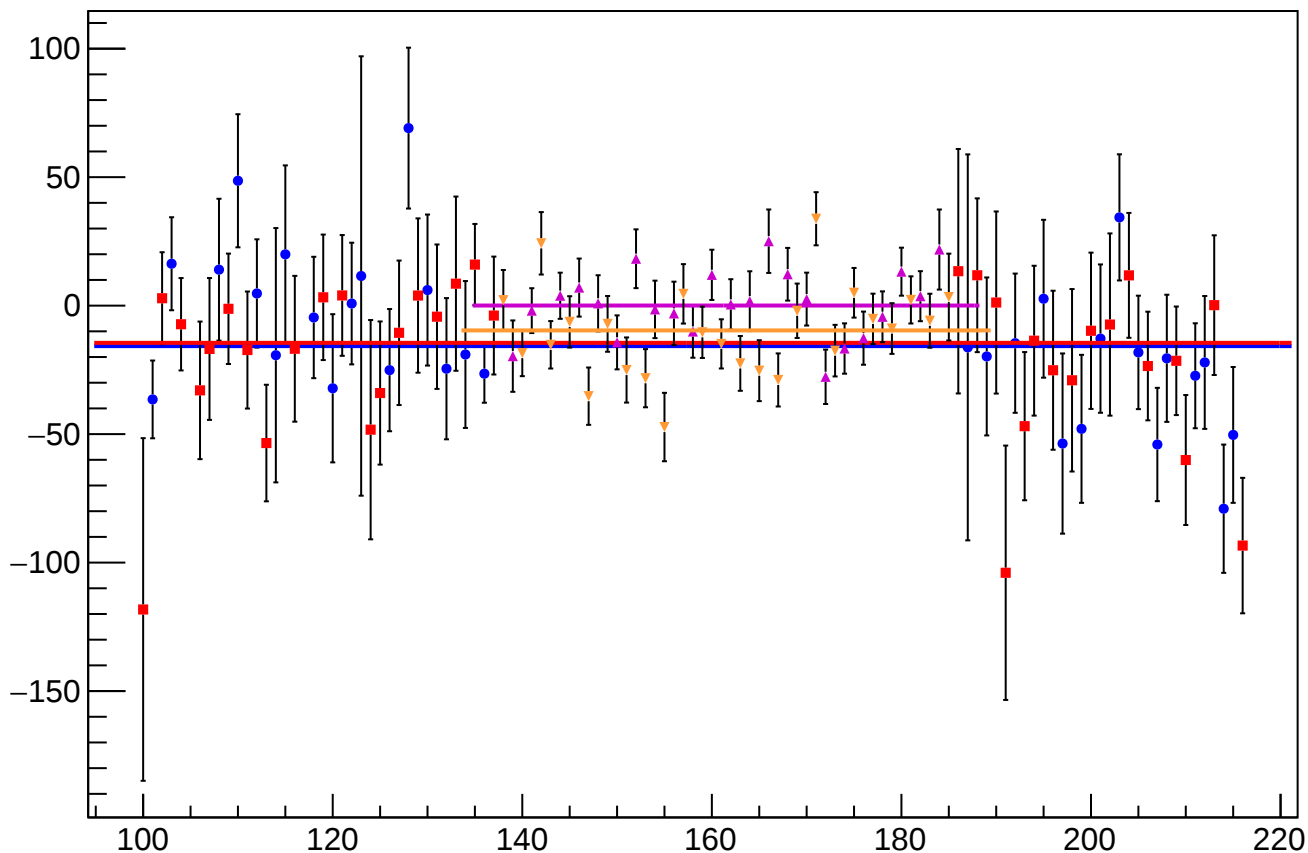
Left In: 6637.155+/-1.136 χ^2/NDF :415547.5/22

+ sign 6297.028+/-0.759 χ^2/NDF : 2189696.0/56

All: 6263.331+/-0.537 χ^2/NDF : 5077412.5/11

- sign 6229.471+/-0.761 χ^2/NDF : 2883762.1/57

diff_bpm4acX_mean vs Slug



Right In: -15.753 ± 4.297 $\chi^2/\text{NDF}: 43.1/31$

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

Right Out: -14.480 ± 4.404 $\chi^2/\text{NDF}: 34.7/34$

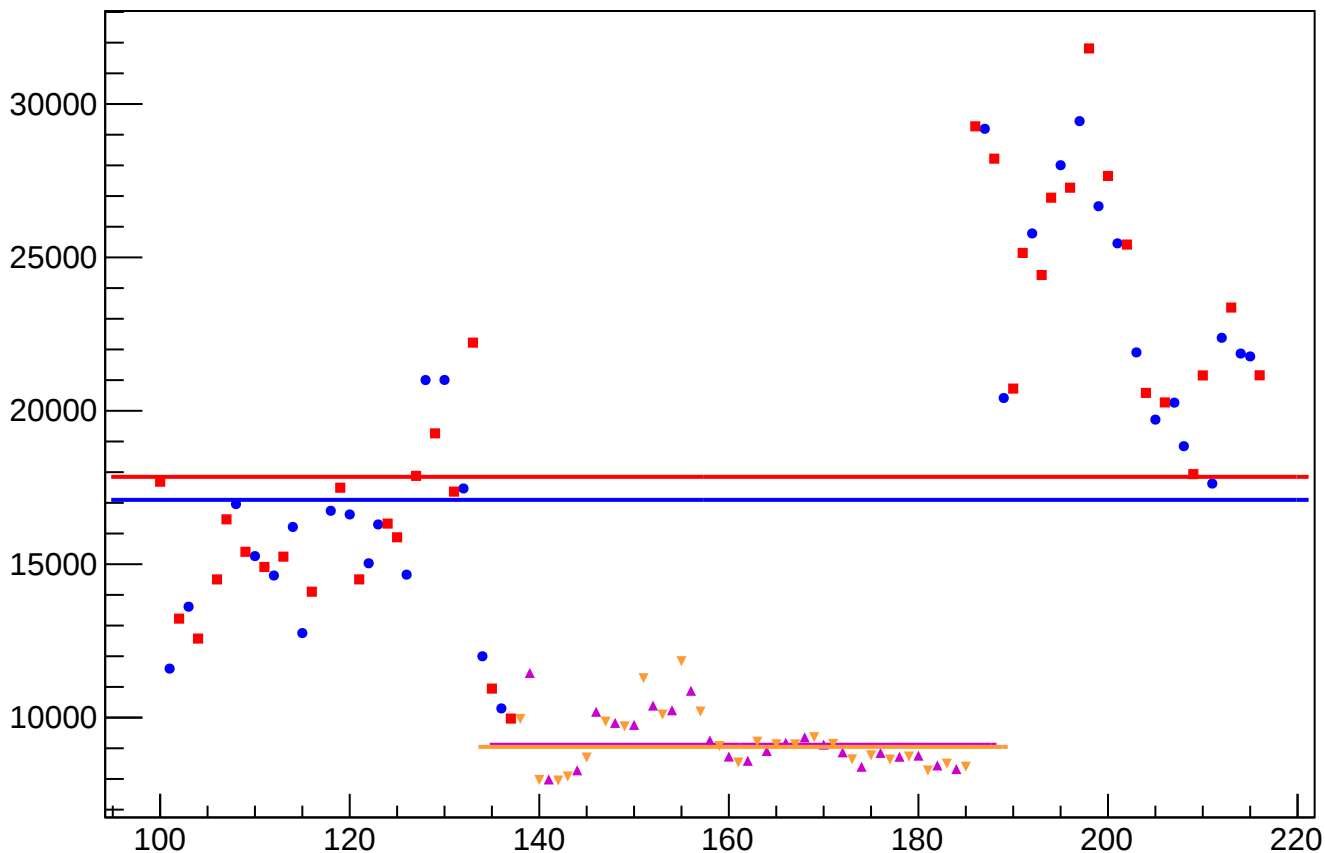
Left In: 0.042 ± 2.200 $\chi^2/\text{NDF}: 30.8/22$

+ sign -10.838 ± 1.902 $\chi^2/\text{NDF}: 104.7/56$

All: -6.984 ± 1.368 $\chi^2/\text{NDF}: 187.3/114$

- sign -2.858 ± 1.968 $\chi^2/\text{NDF}: 74.2/57$

diff_bpm4acX_rms vs Slug



Right In: 17097.537 $\pm$ 3.038 χ^2 /NDF: 2845441.4/31

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

Right Out: 17847.609 $\pm$ 3.114 χ^2 /NDF: 2875757.5/34

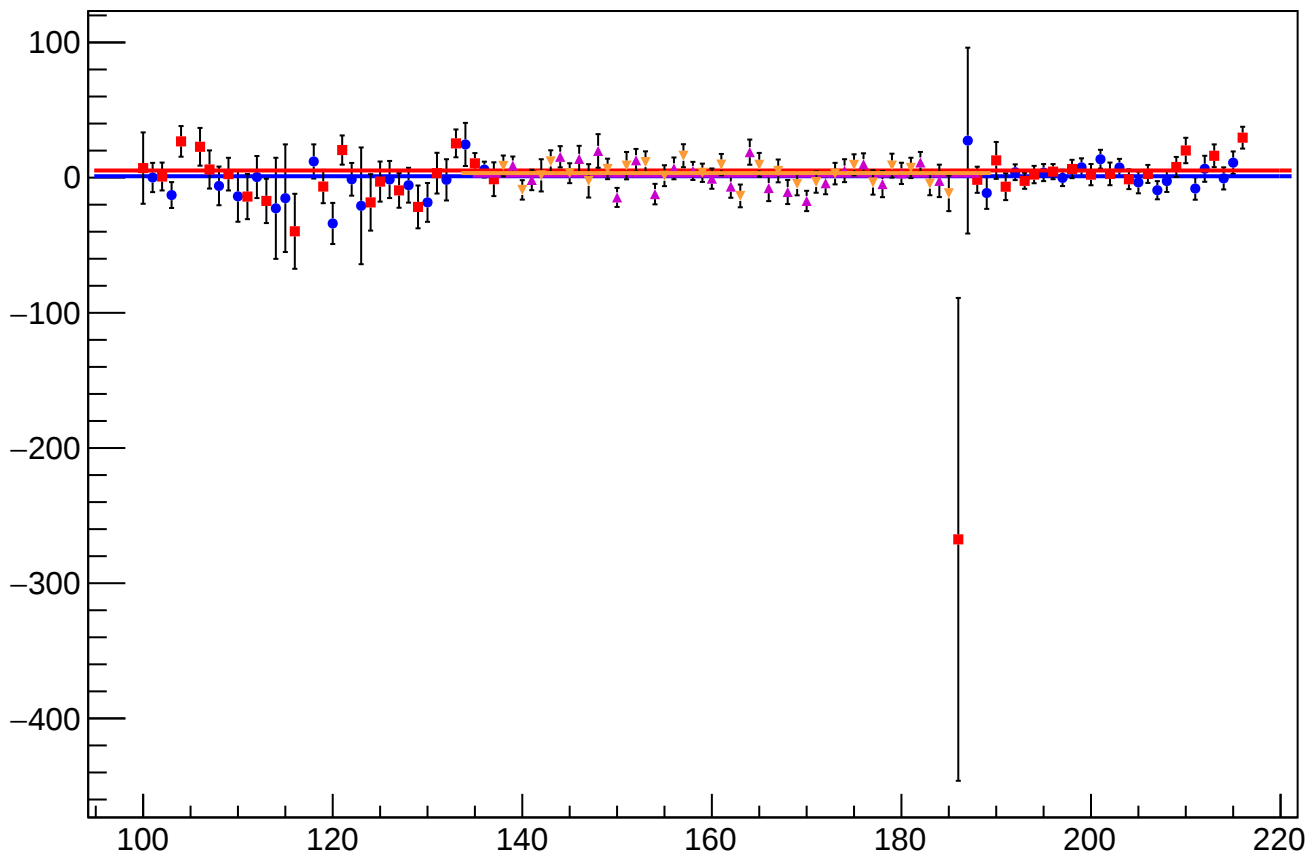
Left In: 9115.817 $\pm$ 1.556 χ^2 /NDF:272471.8/22

+ sign 10624.426 $\pm$ 1.345 χ^2 /NDF: 8820612.1/56

All: 10737.995 $\pm$ 0.967 χ^2 /NDF: 18274513.0

- sign 10859.558 $\pm$ 1.392 χ^2 /NDF: 9439144.2/57

diff_bpm4acY_mean vs Slug



Right In: 1.035 $\pm$ 1.646 χ^2 /NDF: 27.8/31

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

Right Out: 5.291 $\pm$ 1.629 χ^2 /NDF: 45.5/34

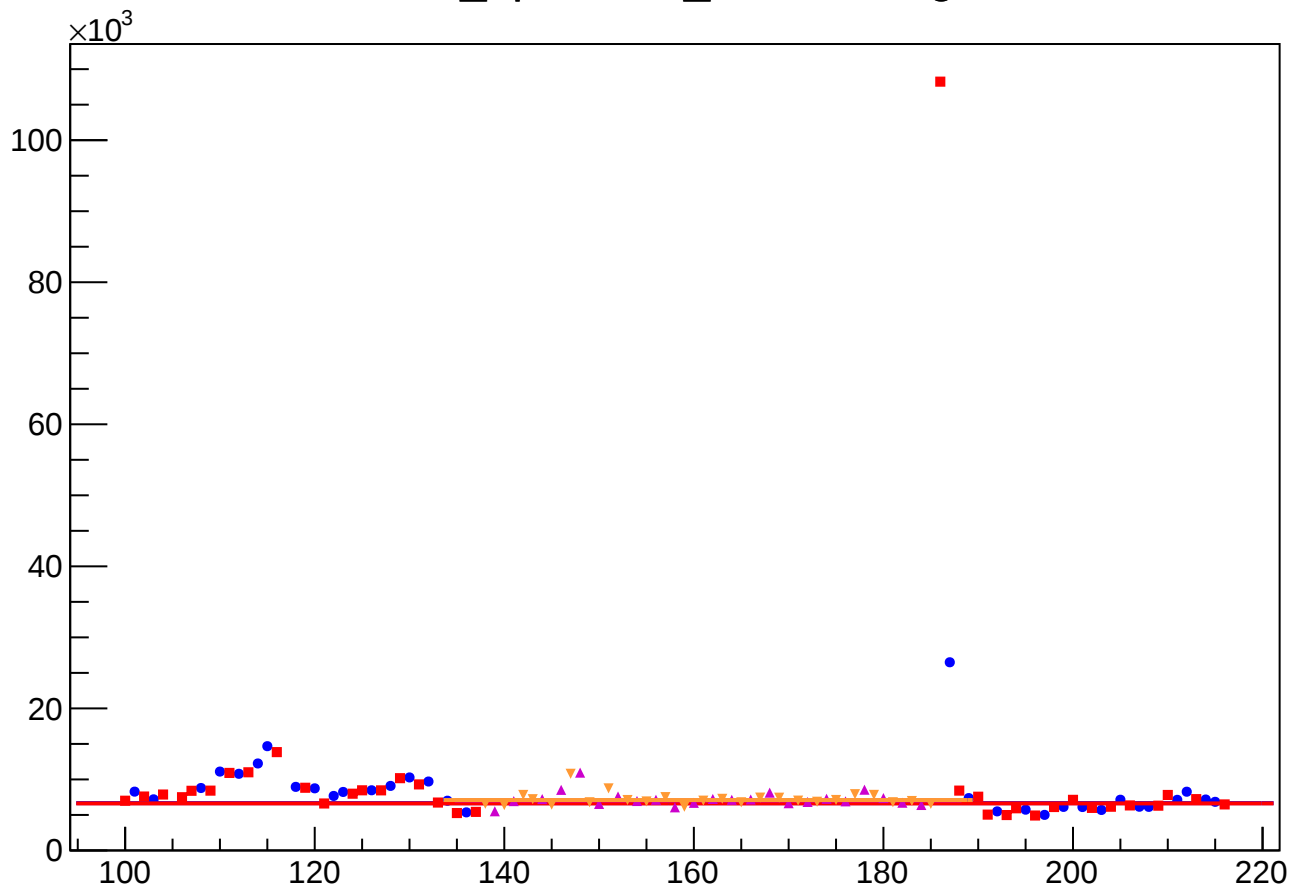
Left In: 1.479 $\pm$ 1.710 χ^2 /NDF: 36.7/22

+ sign 2.196 $\pm$ 1.172 χ^2 /NDF: 48.2/56

All: 2.833 $\pm$ 0.831 χ^2 /NDF: 133.7/114

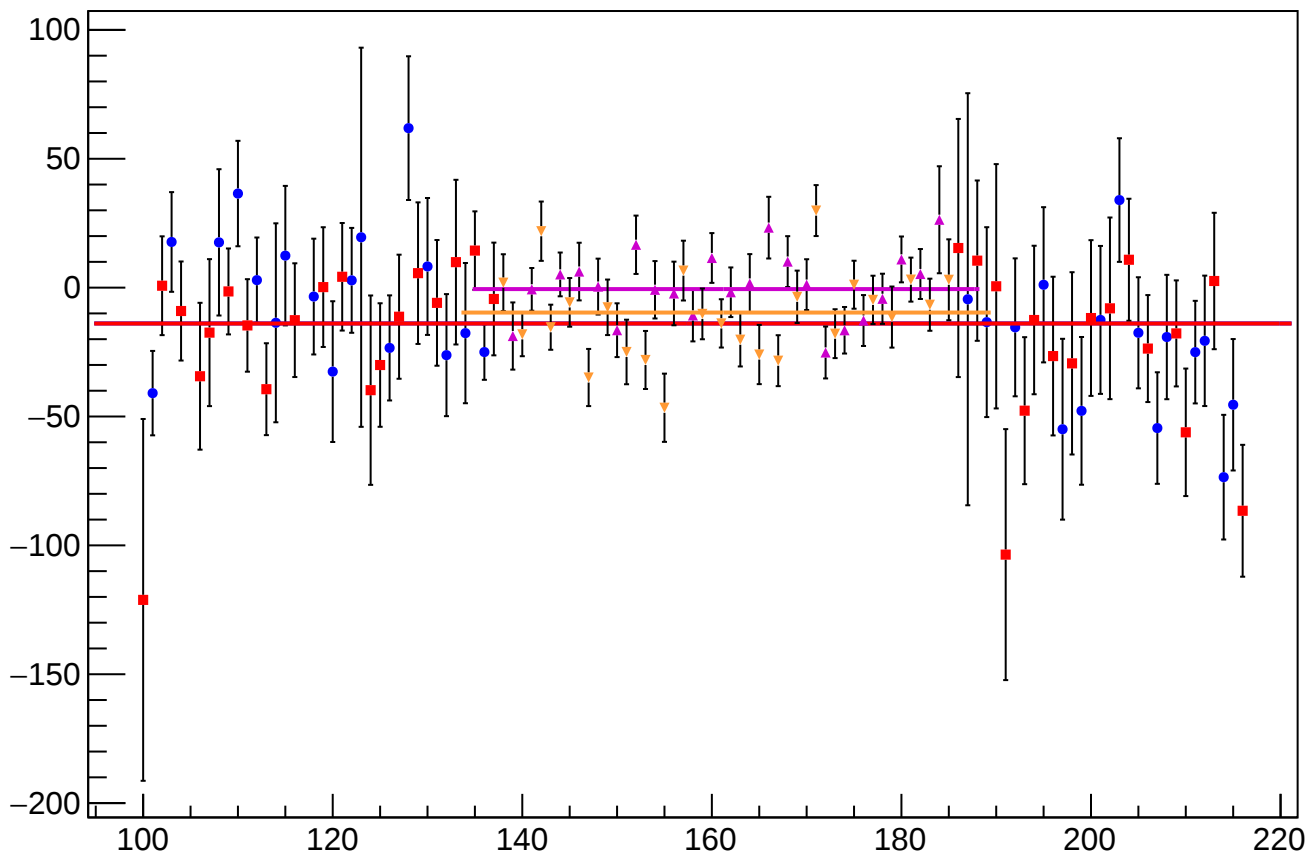
- sign 3.478 $\pm$ 1.179 χ^2 /NDF: 84.9/57

diff_bpm4acY_rms vs Slug



Right In: 6664.226 $\pm$ 1.164	χ^2/NDF : 1618490.7/31	+ sign 6877.478 $\pm$ 0.828	χ^2/NDF : 2068434.6/56
Left Out: 7096.350 $\pm$ 1.179	χ^2/NDF : 381942.1/24	All: 6851.366 $\pm$ 0.588	χ^2/NDF : 4807681.5/11
Right Out: 6623.223 $\pm$ 1.152	χ^2/NDF : 2155336.8/34	- sign 6824.905 $\pm$ 0.834	χ^2/NDF : 2737246.8/57
Left In: 7047.269 $\pm$ 1.209	χ^2/NDF : 517433.5/22		

diff_bpm4ecX_mean vs Slug



Right In: -13.889 ± 4.075 $\chi^2/\text{NDF}: 44.5/31$

Left Out: -9.670 ± 2.061 $\chi^2/\text{NDF}: 57.9/24$

Right Out: -13.927 ± 4.142 $\chi^2/\text{NDF}: 32.0/34$

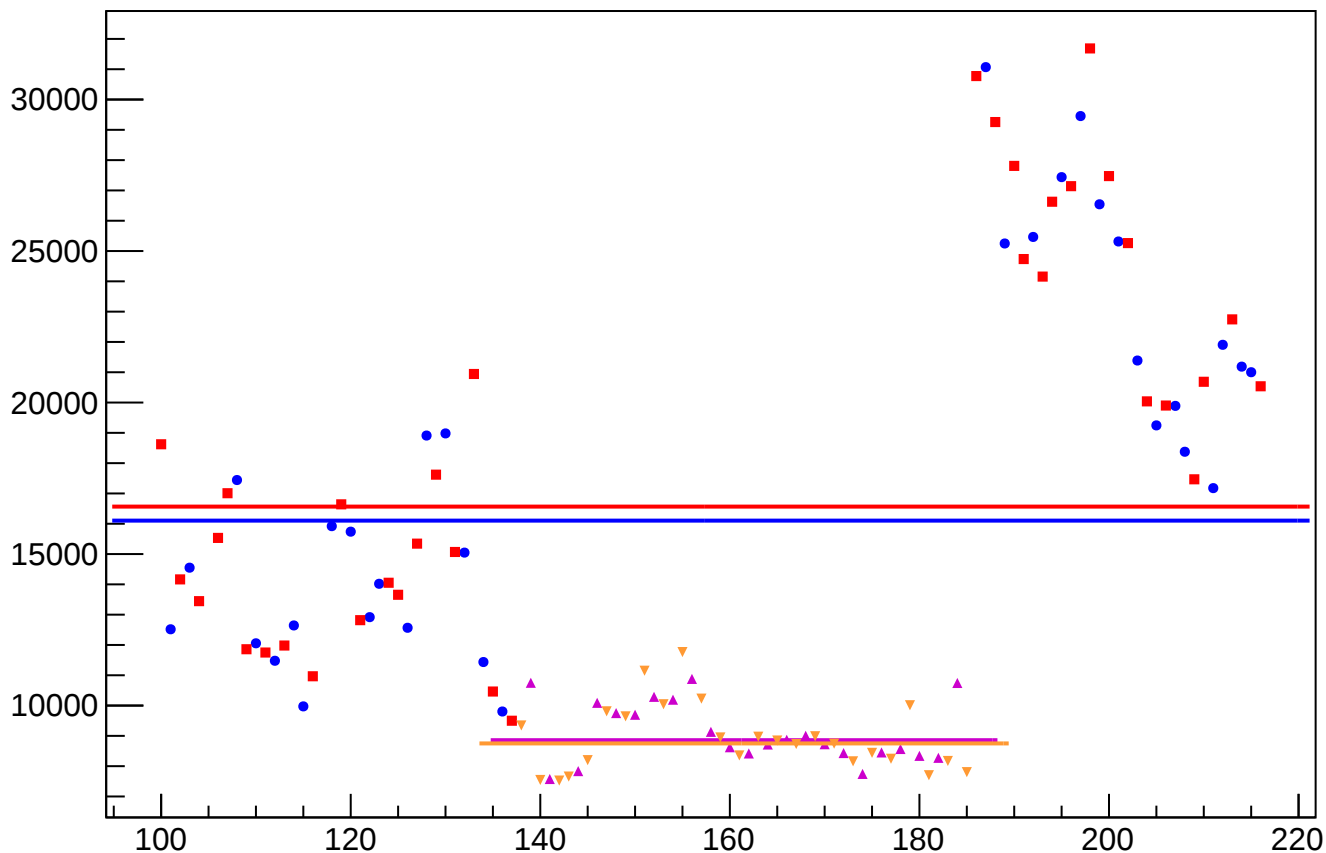
Left In: -0.564 ± 2.144 $\chi^2/\text{NDF}: 29.7/22$

+ sign -10.529 ± 1.839 $\chi^2/\text{NDF}: 103.3/56$

All: -7.082 ± 1.323 $\chi^2/\text{NDF}: 180.5/114$

- sign -3.387 ± 1.904 $\chi^2/\text{NDF}: 69.9/57$

diff_bpm4ecX_rms vs Slug



Right In: 16103.393 $\pm$ 2.881 χ^2 /NDF: 3342251.0/31

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

Right Out: 16566.195 $\pm$ 2.929 χ^2 /NDF: 3683971.0/34

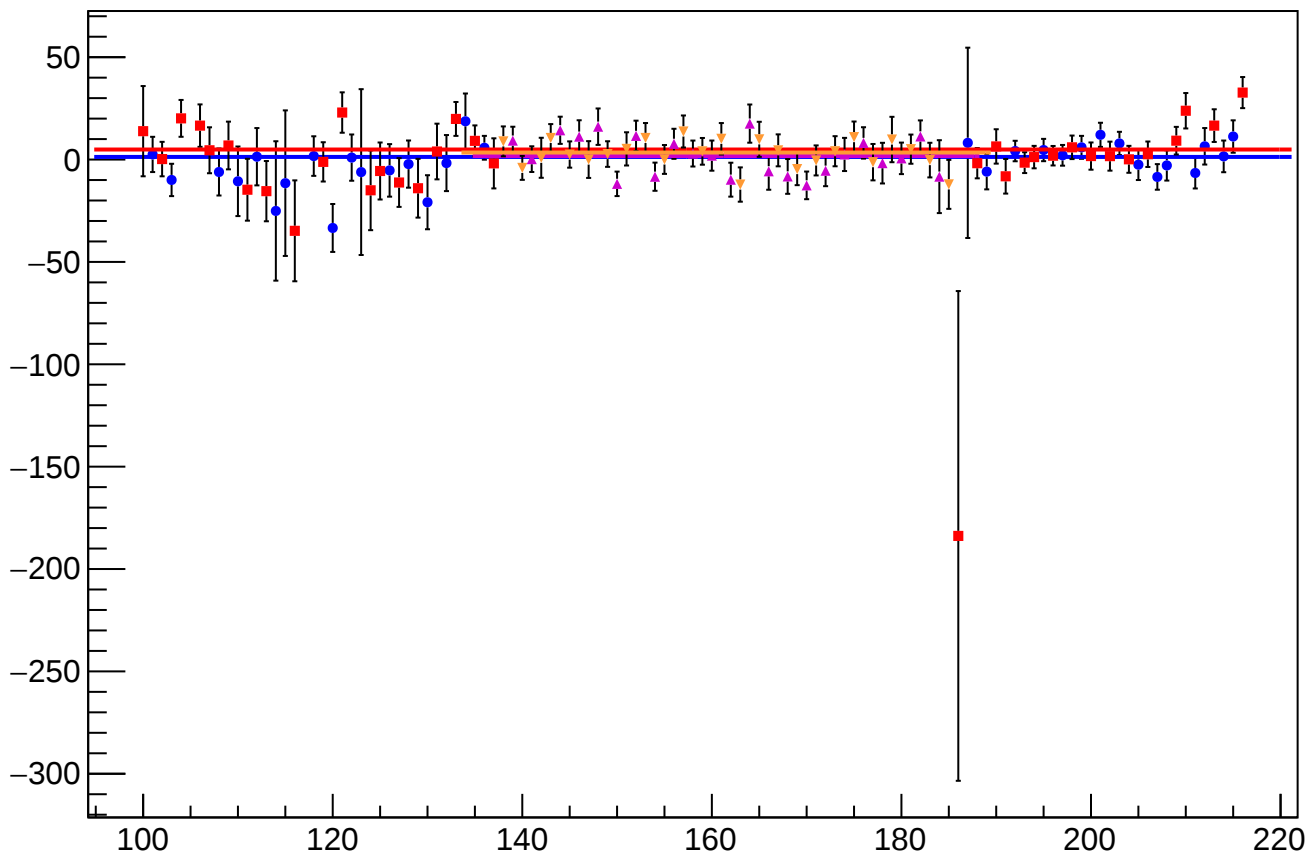
Left In: 8857.329 $\pm$ 1.516 χ^2 /NDF: 361778.8/22

+ sign 10247.800 $\pm$ 1.300 χ^2 /NDF: 8992044.5/56

All: 10362.851 $\pm$ 0.935 χ^2 /NDF: 18518915.9

- sign 10486.165 $\pm$ 1.346 χ^2 /NDF: 9510651.2/57

diff_bpm4ecY_mean vs Slug



Right In: 1.282 ± 1.449 χ^2/NDF : 30.8/31

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

Right Out: 4.905 ± 1.412 χ^2/NDF : 53.7/34

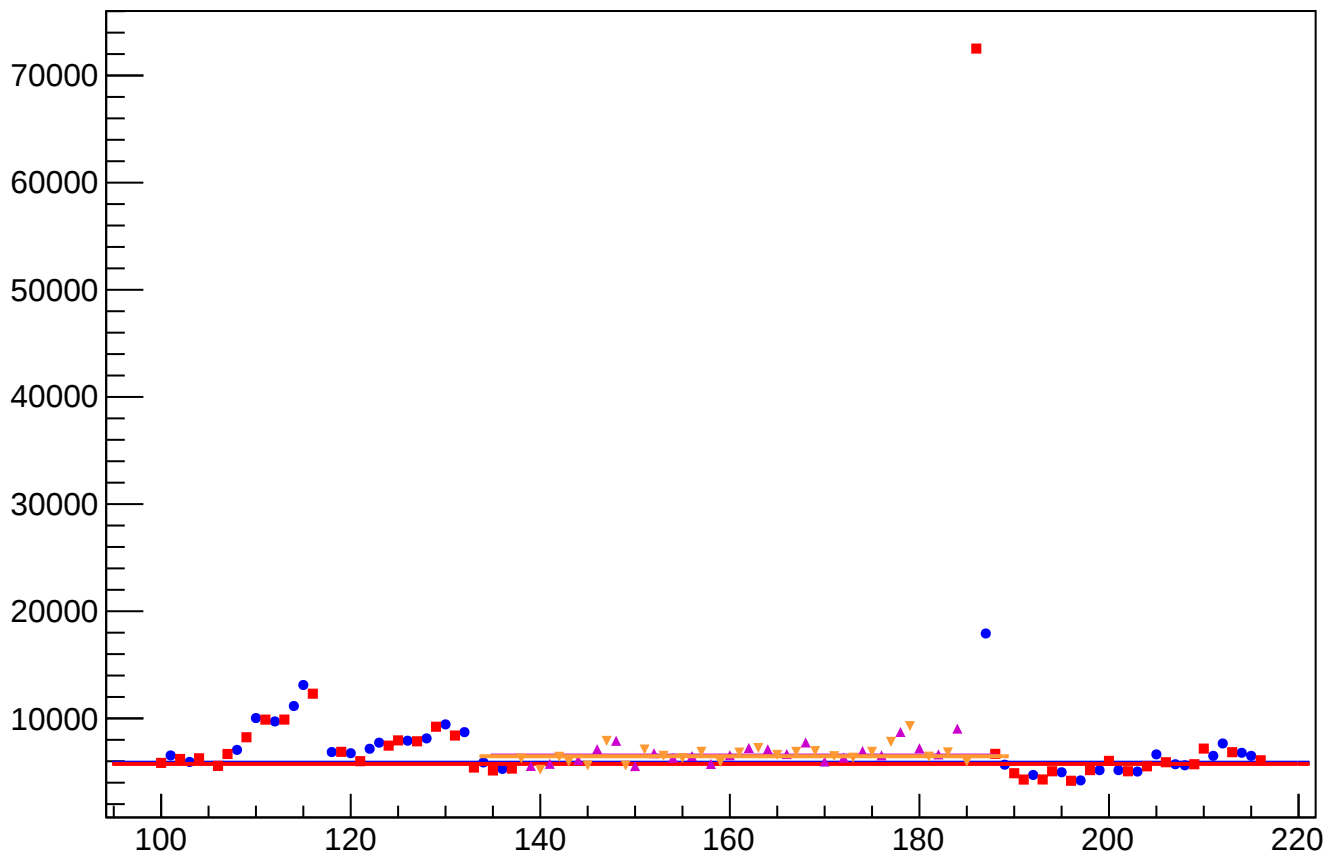
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.302 ± 1.051 χ^2/NDF : 48.1/56

All: 2.900 ± 0.744 χ^2/NDF : 138.3/114

- sign 3.503 ± 1.055 χ^2/NDF : 89.5/57

diff_bpm4ecY_rms vs Slug



Right In: 5866.800 ± 1.025 $\chi^2/\text{NDF}: 1652633.1/31$

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

Right Out: 5751.122 ± 0.998 $\chi^2/\text{NDF}: 2228009.9/34$

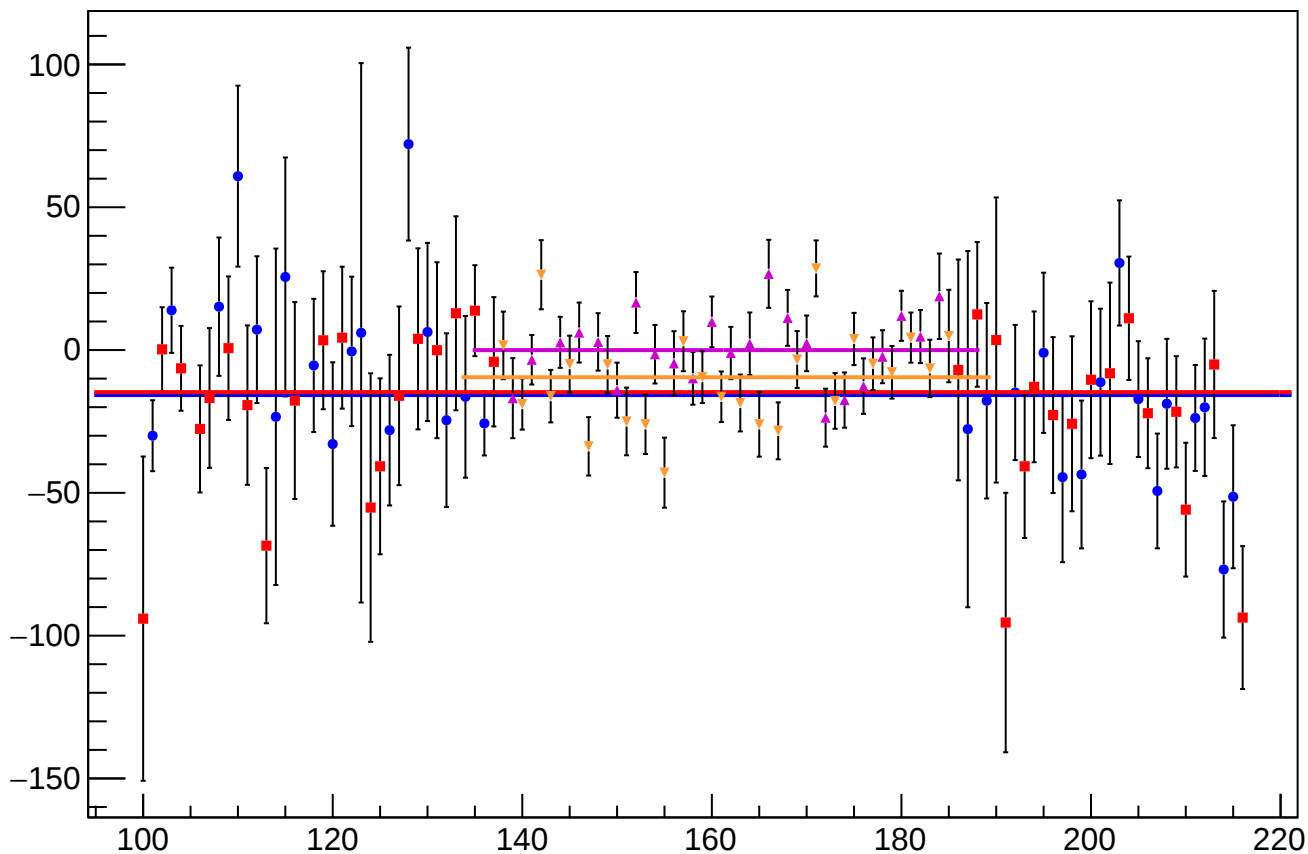
Left In: 6530.954 ± 1.121 $\chi^2/\text{NDF}: 464668.6/22$

+ sign 6152.347 ± 0.743 $\chi^2/\text{NDF}: 2303568.6/56$

All: 6124.261 ± 0.526 $\chi^2/\text{NDF}: 5268885.2/11$

- sign 6095.967 ± 0.746 $\chi^2/\text{NDF}: 2962447.8/57$

diff_bpm1X_mean vs Slug



Right In: -15.761 ± 4.100 χ^2/NDF : 42.4/31

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

Right Out: -14.735 ± 4.221 χ^2/NDF : 36.0/34

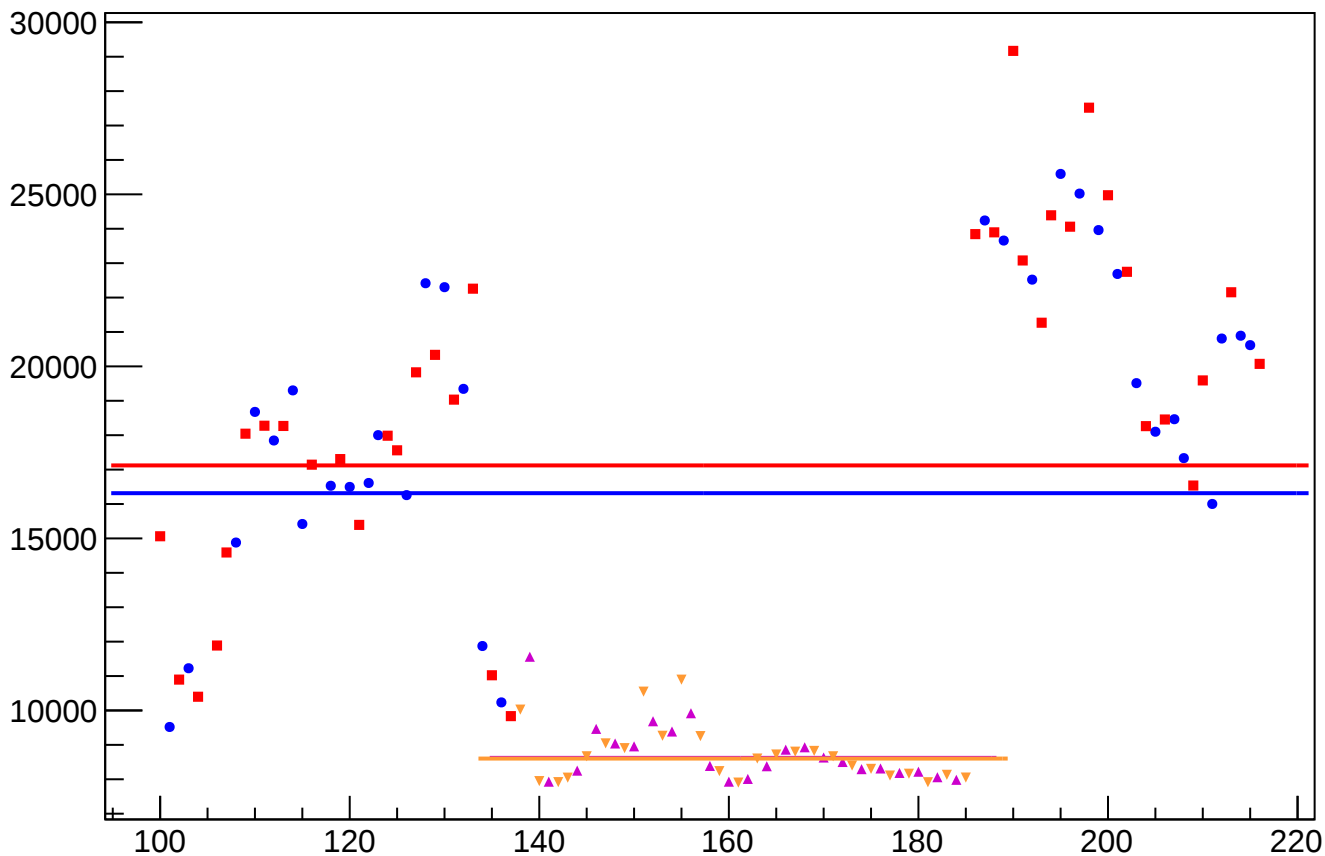
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -10.741 ± 1.809 χ^2/NDF : 103.8/56

All: -6.942 ± 1.299 χ^2/NDF : 188.5/114

- sign -2.900 ± 1.866 χ^2/NDF : 75.6/57

diff_bpm1X_rms vs Slug



Right In: 16314.708 $\pm$ 2.899 χ^2 /NDF: 2894623.3/31

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

Right Out: 17121.643 $\pm$ 2.985 χ^2 /NDF: 2800273.7/34

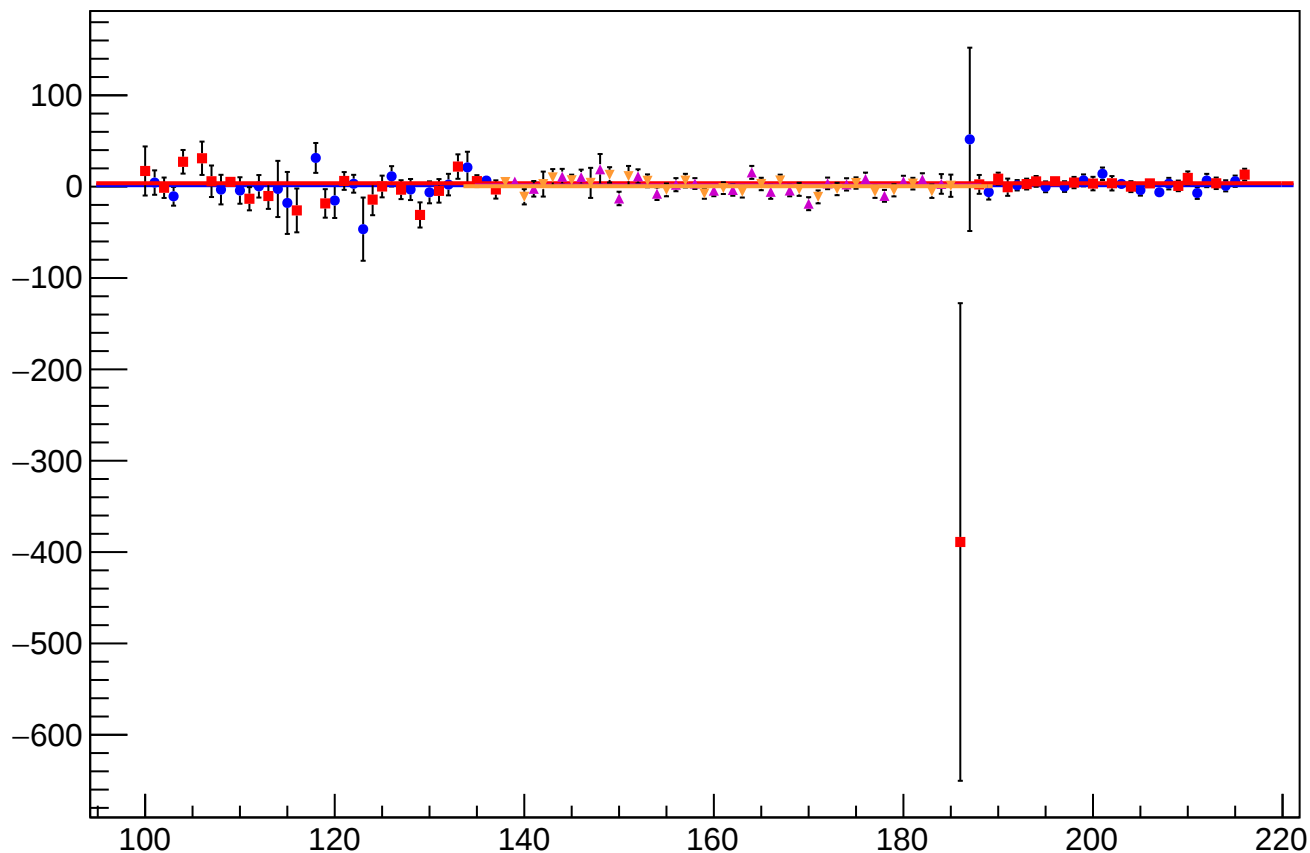
Left In: 8621.975 $\pm$ 1.471 χ^2 /NDF: 230824.4/22

+ sign 10102.762 $\pm$ 1.279 χ^2 /NDF: 8844175.1/56

All: 10189.832 $\pm$ 0.918 χ^2 /NDF: 18410259.2

- sign 10282.486 $\pm$ 1.319 χ^2 /NDF: 9556515.8/57

diff_bpm1Y_mean vs Slug



Right In: 1.592 $\pm$ 1.416 χ^2 /NDF: 23.2/31

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

Right Out: 3.743 $\pm$ 1.374 χ^2 /NDF: 30.2/34

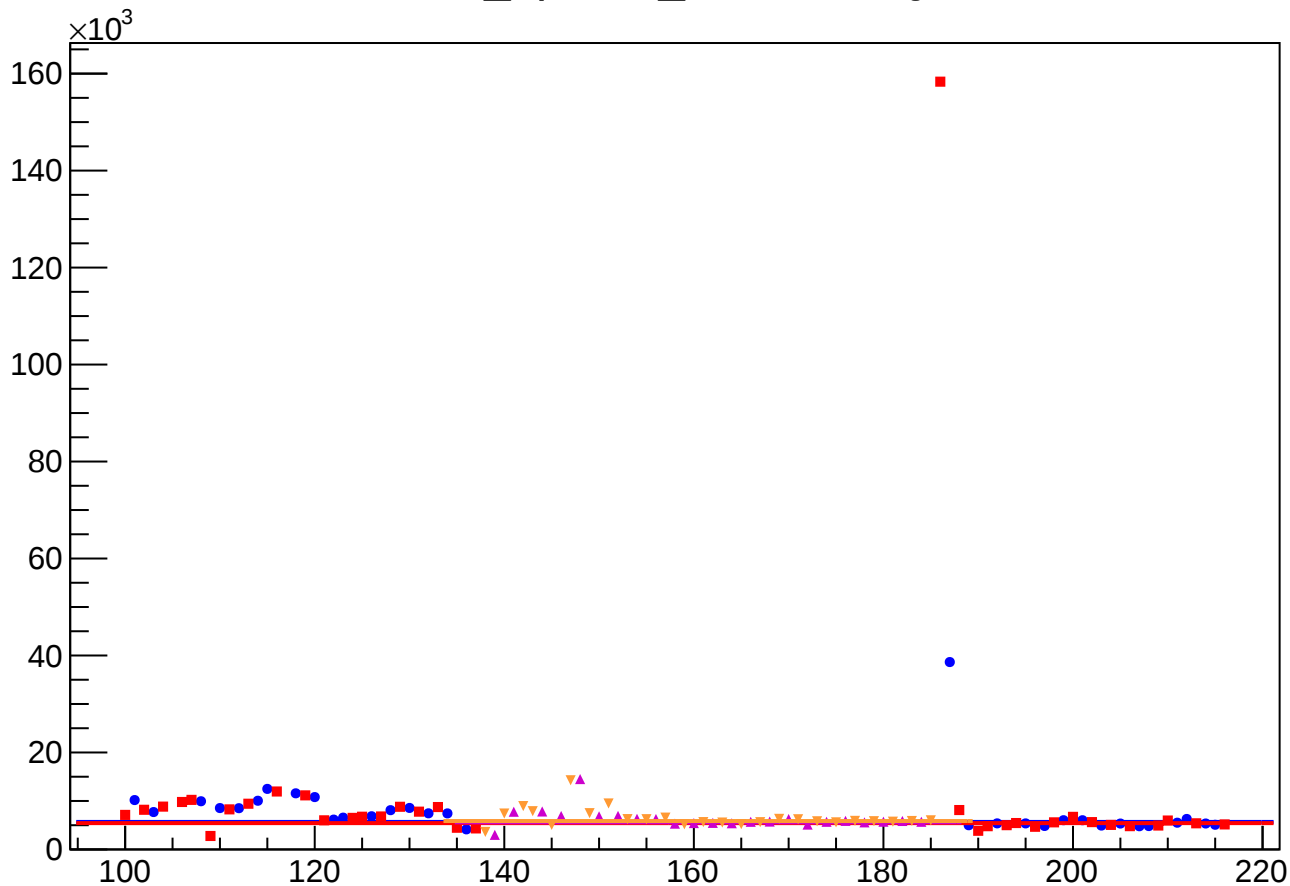
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

+ sign 1.037 $\pm$ 1.002 χ^2 /NDF: 43.1/56

All: 1.808 $\pm$ 0.702 χ^2 /NDF: 109.0/114

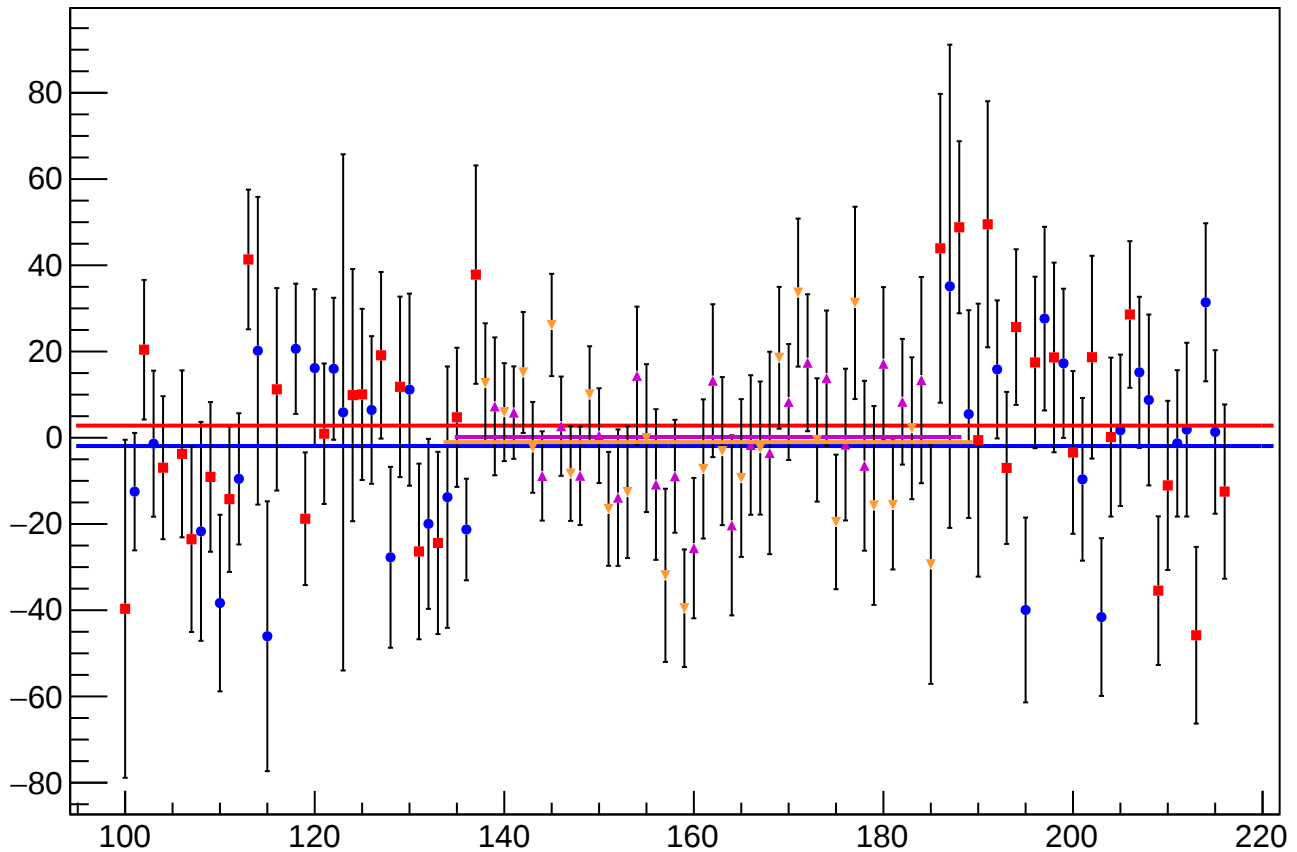
- sign 2.549 $\pm$ 0.983 χ^2 /NDF: 64.8/57

diff_bpm1Y_rms vs Slug



Right In: 5676.735 ± 1.001 $\chi^2/\text{NDF}: 2149694.8/31$ + sign 5767.493 ± 0.709 $\chi^2/\text{NDF}: 3857502.5/56$
 Left Out: 5858.642 ± 1.004 $\chi^2/\text{NDF}: 1691344.1/24$ All: 5637.146 ± 0.496 $\chi^2/\text{NDF}: 9490873.3/11$
 Right Out: 5430.679 ± 0.972 $\chi^2/\text{NDF}: 3463015.9/34$ - sign 5511.861 ± 0.695 $\chi^2/\text{NDF}: 5567056.9/57$
 Left In: 5596.879 ± 0.994 $\chi^2/\text{NDF}: 2089750.1/22$

diff_bpm11X_mean vs Slug



Right In: -1.920 ± 3.351 χ^2/NDF : 34.8/31

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

Right Out: 2.815 ± 3.328 χ^2/NDF : 47.1/34

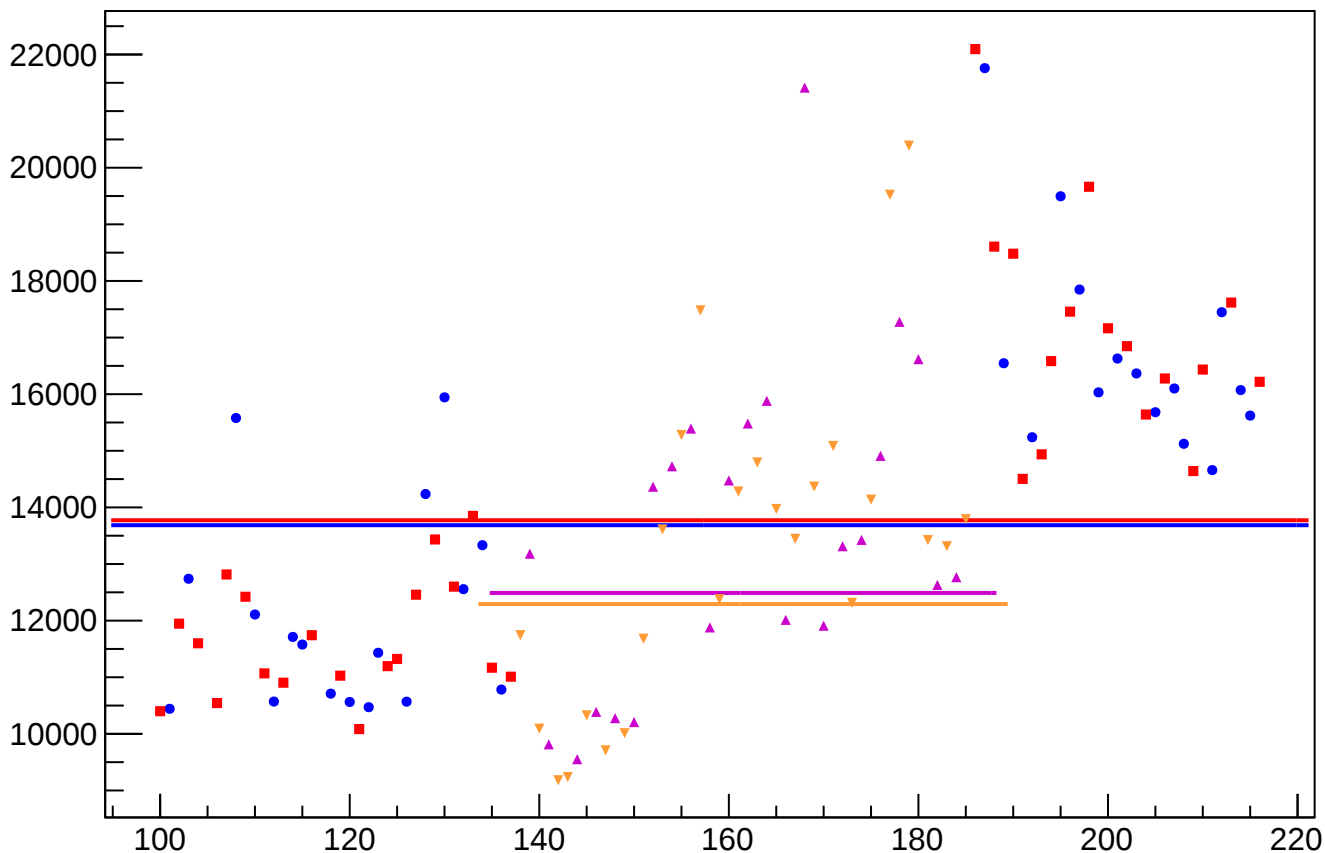
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -1.404 ± 2.211 χ^2/NDF : 68.3/56

All: -0.037 ± 1.579 χ^2/NDF : 128.9/114

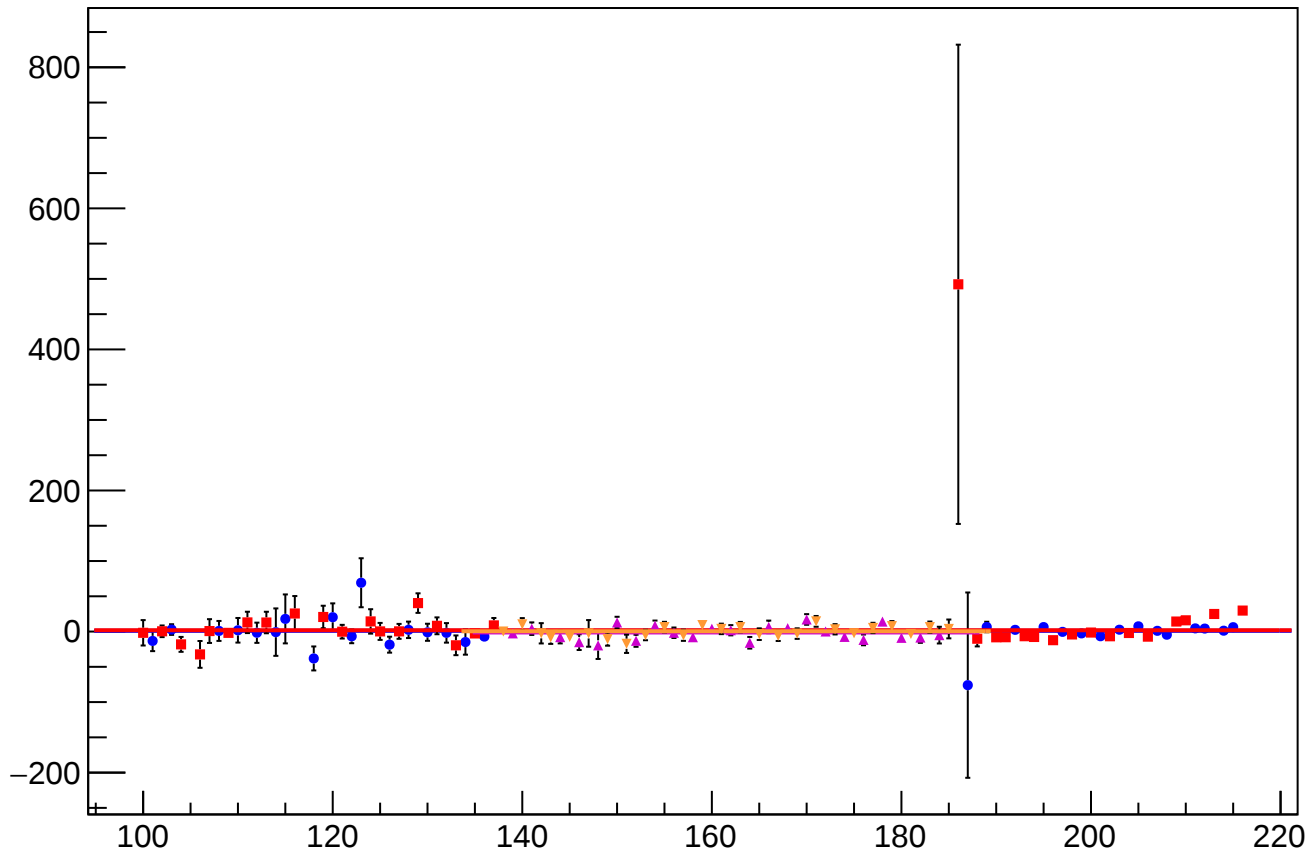
- sign 1.386 ± 2.255 χ^2/NDF : 59.8/57

diff_bpm11X_rms vs Slug



Right In: 13685.651+/-2.370	χ^2/NDF : 1318784.2/31	+ sign 12898.797+/-1.563	χ^2/NDF : 3016529.7/56
Left Out: 12292.583+/-2.080	χ^2/NDF : 1502548.3/24	All: 12986.950+/-1.116	χ^2/NDF : 5962743.5/1
Right Out: 13773.090+/-2.353	χ^2/NDF : 1424193.0/34	- sign 13078.700+/-1.595	χ^2/NDF : 2939724.1/57
Left In: 12488.821+/-2.169	χ^2/NDF : 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: 1.041 ± 1.161 χ^2/NDF : 29.8/31

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

Right Out: 1.859 ± 1.168 χ^2/NDF : 119.6/34

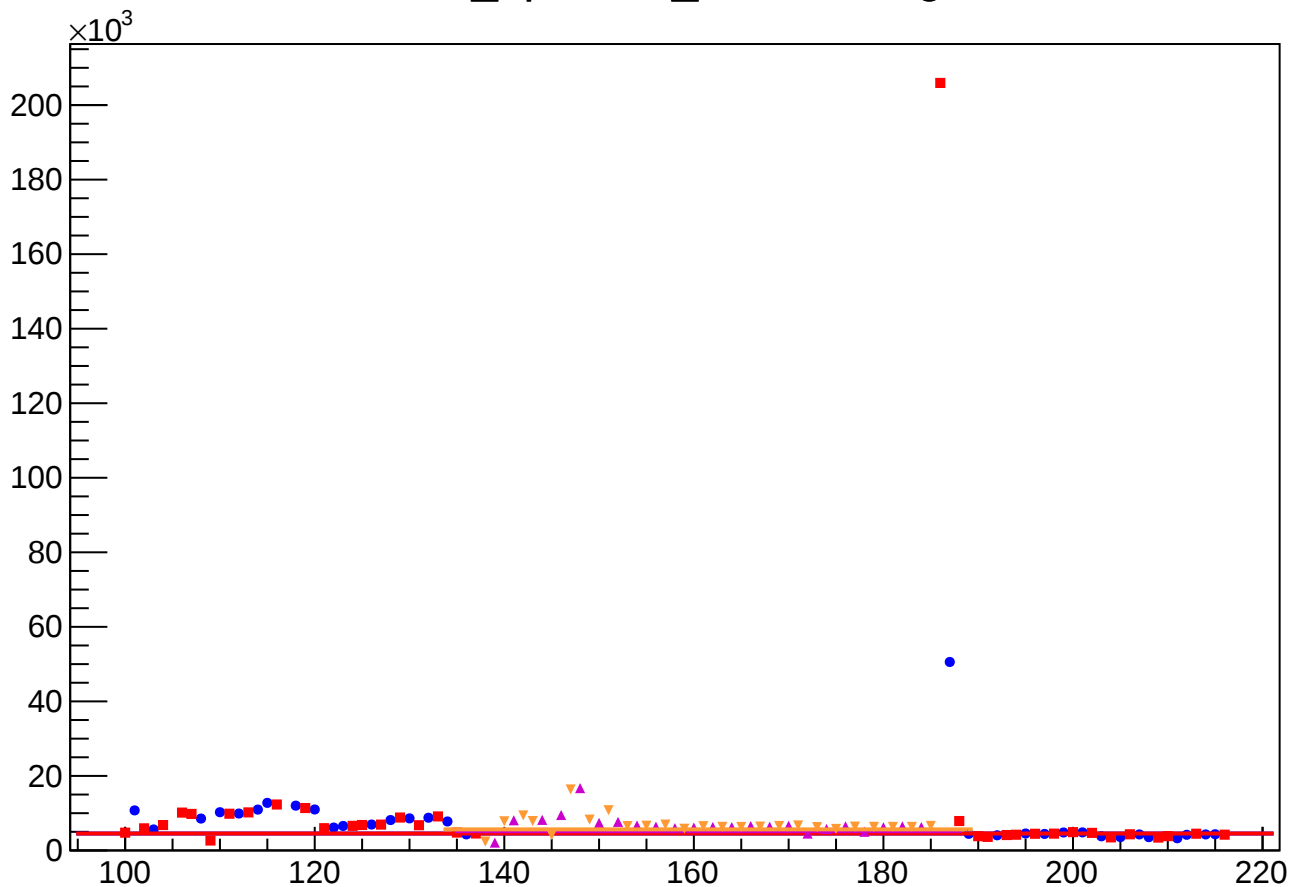
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign 0.791 ± 0.902 χ^2/NDF : 49.2/56

All: 0.672 ± 0.635 χ^2/NDF : 205.8/114

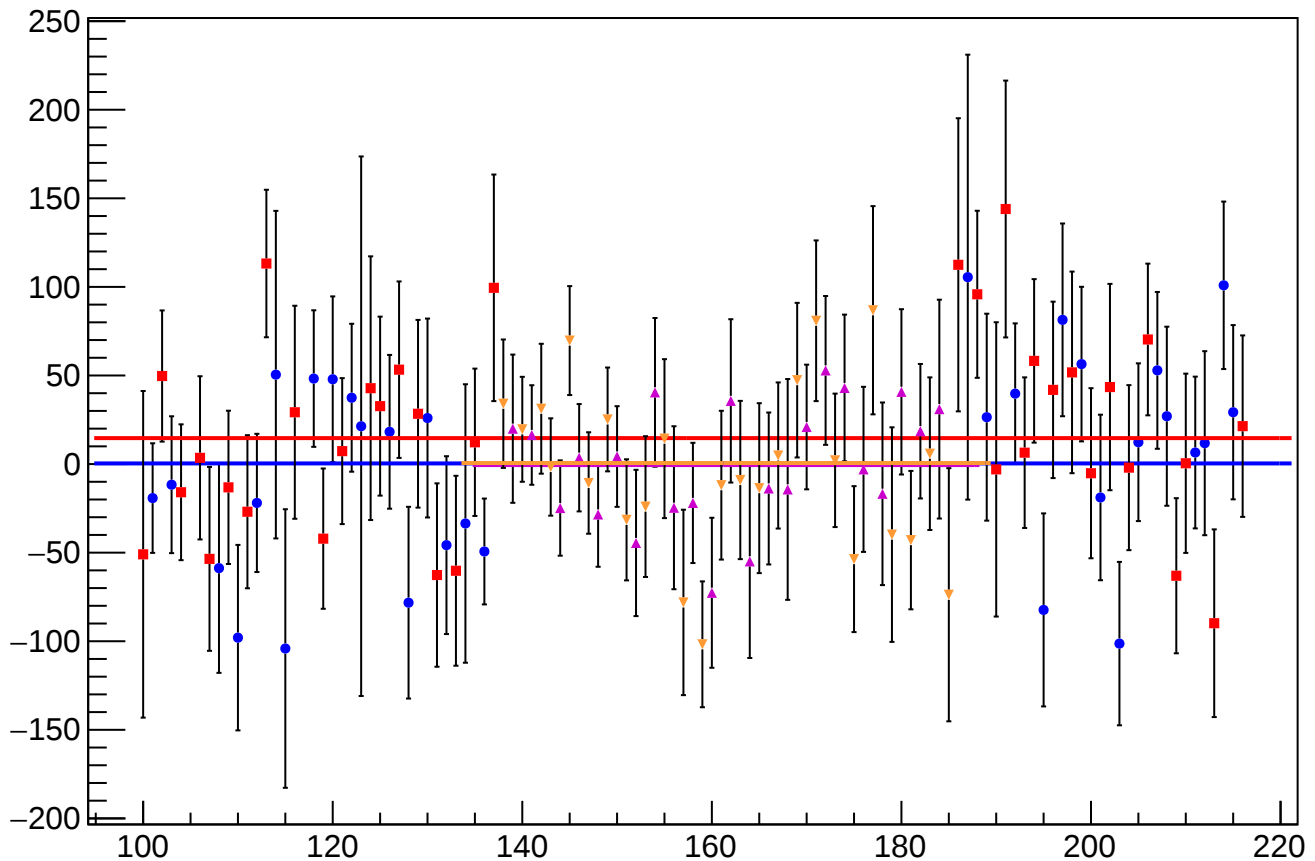
- sign 0.555 ± 0.893 χ^2/NDF : 156.6/57

diff_bpm11Y_rms vs Slug



Right In: 4544.604 ± 0.821 $\chi^2/\text{NDF}: 3467961.9/31$ + sign 4984.075 ± 0.638 $\chi^2/\text{NDF}: 8317170.4/56$
 Left Out: 5655.639 ± 1.014 $\chi^2/\text{NDF}: 4124124.3/24$ All: 4894.582 ± 0.449 $\chi^2/\text{NDF}: 17916627.1/1$
 Right Out: 4541.050 ± 0.826 $\chi^2/\text{NDF}: 3961339.7/34$ - sign 4806.864 ± 0.632 $\chi^2/\text{NDF}: 9560494.4/57$
 Left In: 5180.743 ± 0.980 $\chi^2/\text{NDF}: 5350053.6/22$

diff_bpm12X_mean vs Slug



Right In: 0.363 ± 8.385 χ^2/NDF : 36.9/31

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

Right Out: 14.648 ± 8.319 χ^2/NDF : 38.4/34

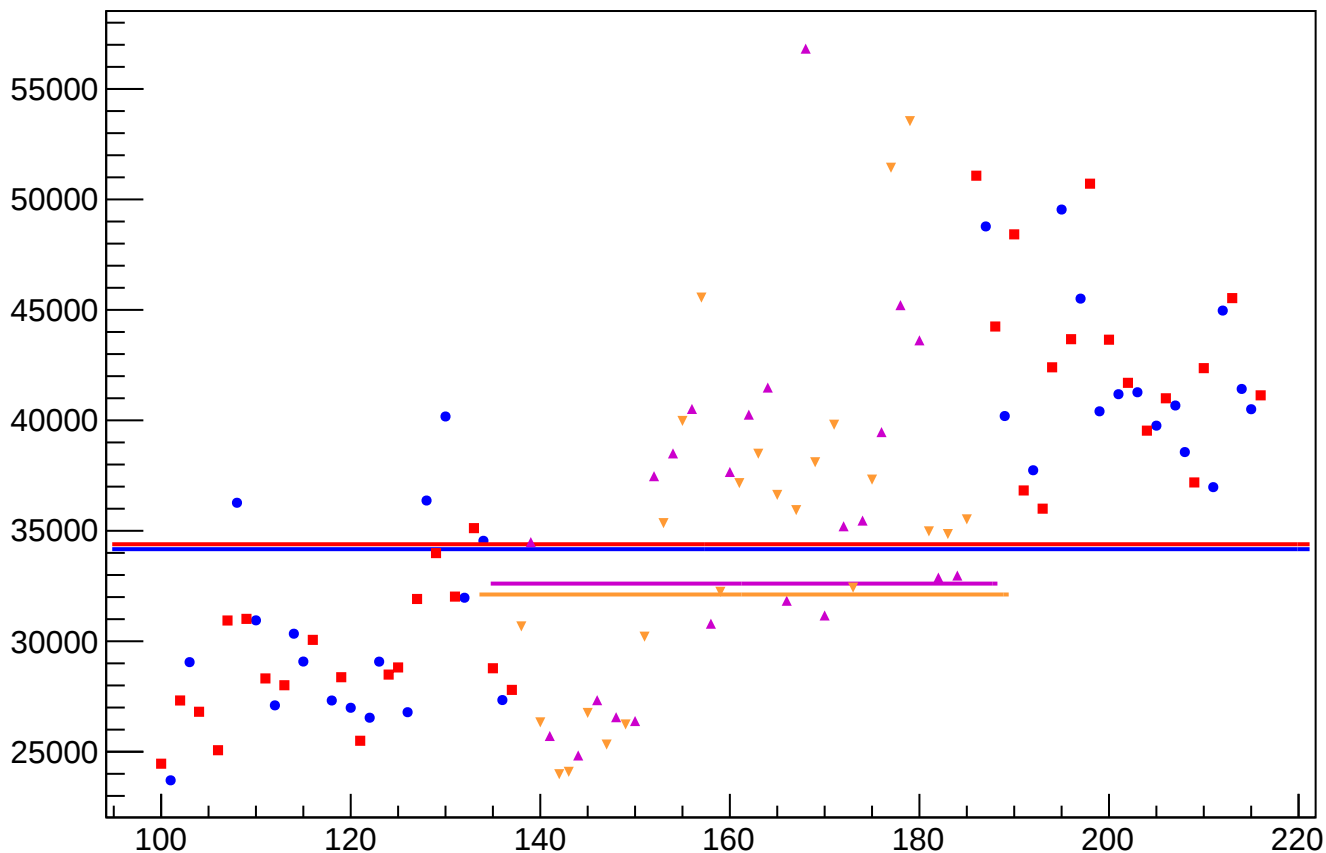
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign 0.481 ± 5.668 χ^2/NDF : 67.9/56

All: 3.562 ± 4.044 χ^2/NDF : 122.9/114

- sign 6.758 ± 5.772 χ^2/NDF : 54.4/57

diff_bpm12X_rms vs Slug



Right In: 34168.714+/-5.929 χ^2/NDF : 1432838.9/31

Left Out: 32117.184+/-5.438 χ^2/NDF : 1536740.0/24

Right Out: 34391.818+/-5.882 χ^2/NDF : 1502246.3/34

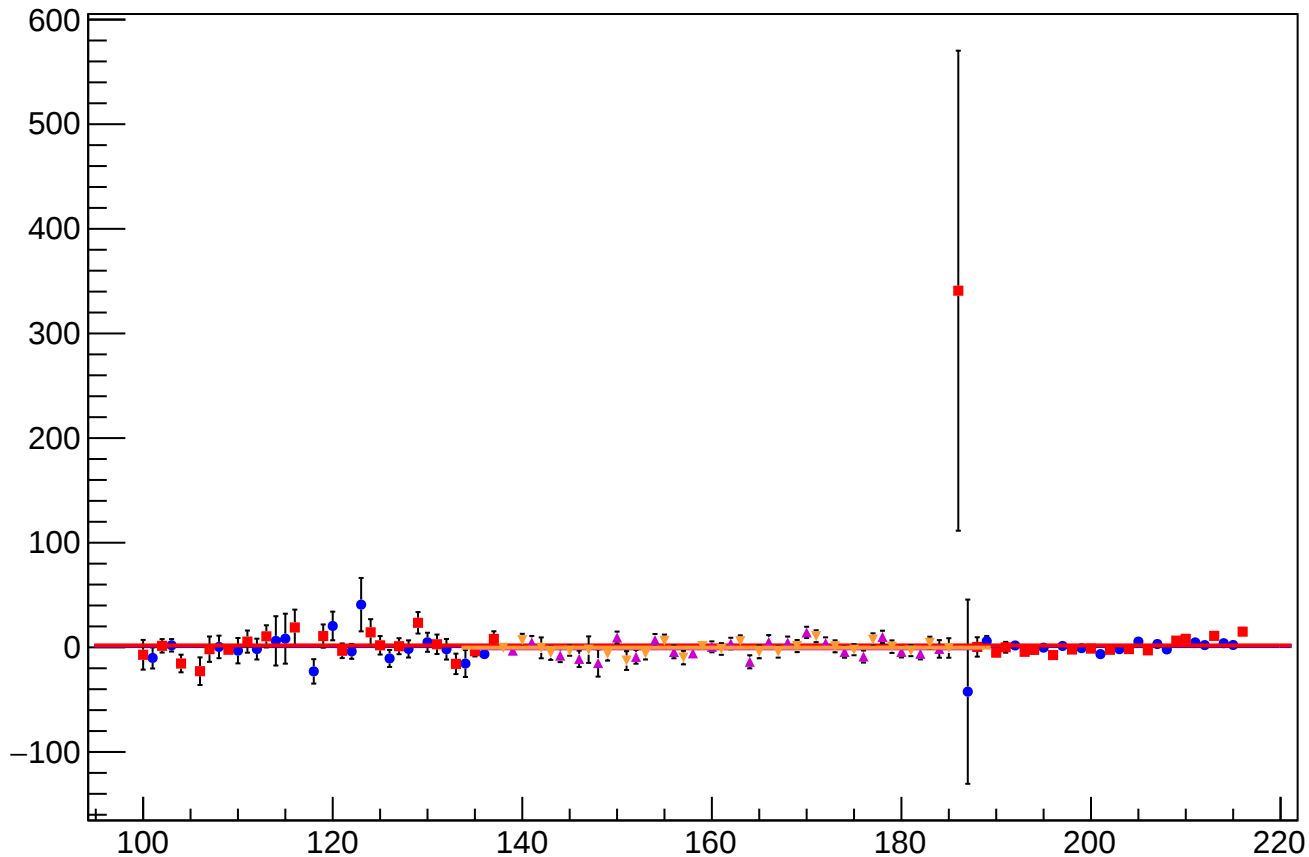
Left In: 32610.108+/-5.667 χ^2/NDF : 1398475.8/22

+ sign 33054.546+/-4.008 χ^2/NDF : 3034606.5/56

All: 33257.403+/-2.859 χ^2/NDF : 5988129.4/100

- sign 33467.784+/-4.081 χ^2/NDF : 2948303.4/57

diff_bpm12Y_mean vs Slug



Right In: 1.221 ± 0.674 χ^2/NDF : 38.8/31

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

Right Out: 1.831 ± 0.717 χ^2/NDF : 99.7/34

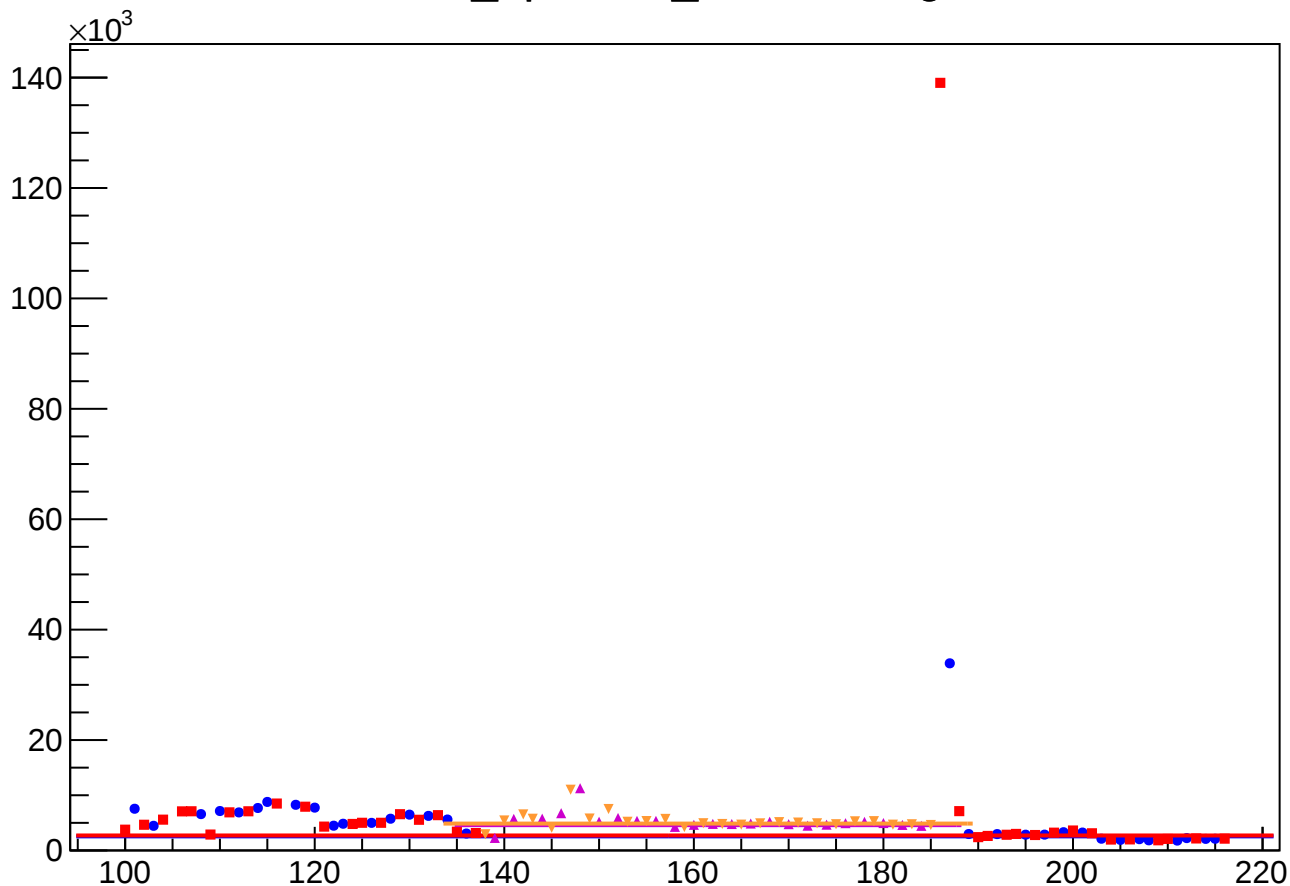
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign 0.854 ± 0.585 χ^2/NDF : 58.0/56

All: 0.954 ± 0.422 χ^2/NDF : 198.1/114

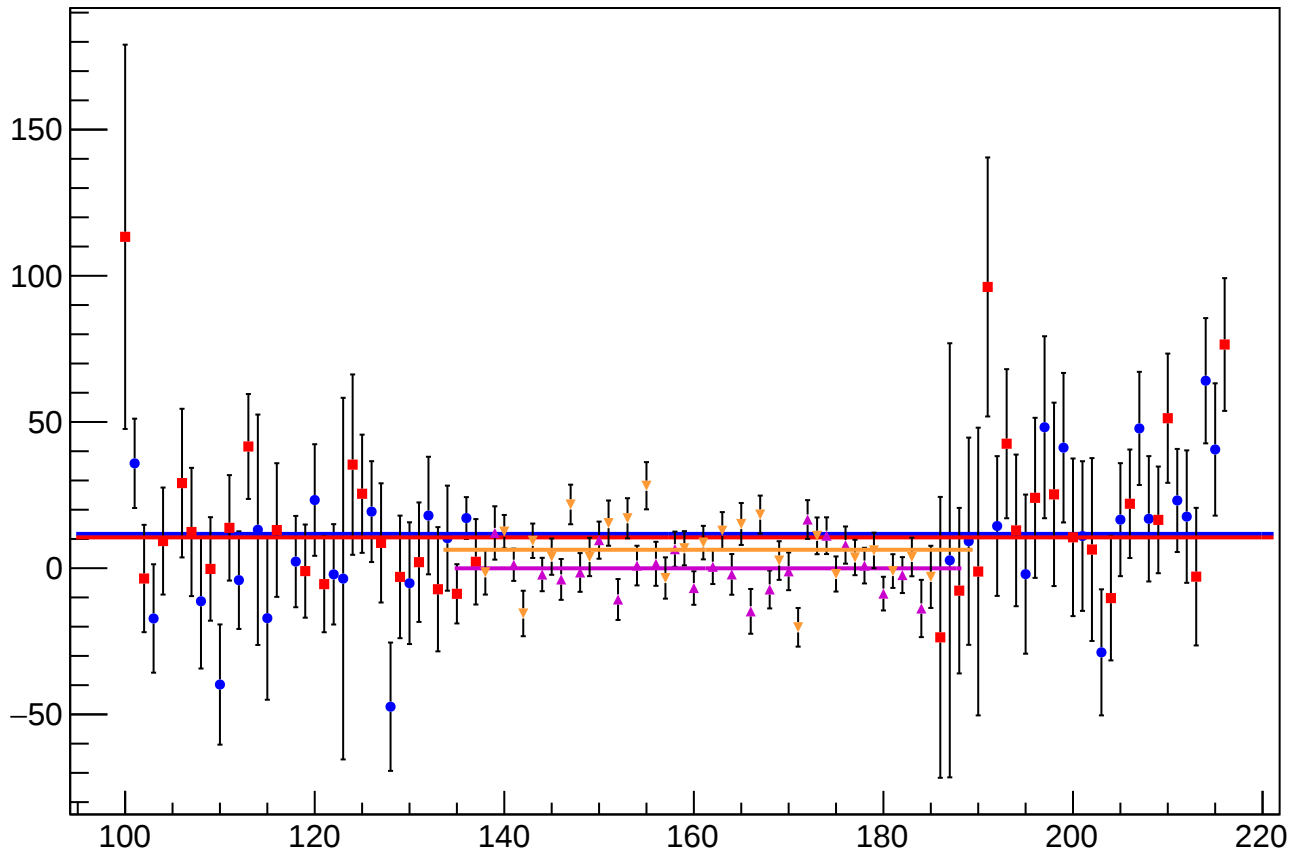
- sign 1.063 ± 0.609 χ^2/NDF : 139.9/57

diff_bpm12Y_rms vs Slug



Right In: 2551.719 $\pm$ 0.477 χ^2/NDF : 5558185.2/31 + sign 3126.994 $\pm$ 0.413 χ^2/NDF : 12923971.9/56
 Left Out: 4866.528 $\pm$ 0.829 χ^2/NDF : 1511486.2/24 All: 3178.835 $\pm$ 0.298 χ^2/NDF : 25142762.3/31
 Right Out: 2714.547 $\pm$ 0.507 χ^2/NDF : 5926905.9/34 - sign 3235.091 $\pm$ 0.431 χ^2/NDF : 12186006.8/57
 Left In: 4582.193 $\pm$ 0.816 χ^2/NDF : 2478681.0/22

diff_bpm16X_mean vs Slug



Right In: 11.730 ± 3.382 χ^2/NDF : 42.6/31

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

Right Out: 10.531 ± 3.530 χ^2/NDF : 35.3/34

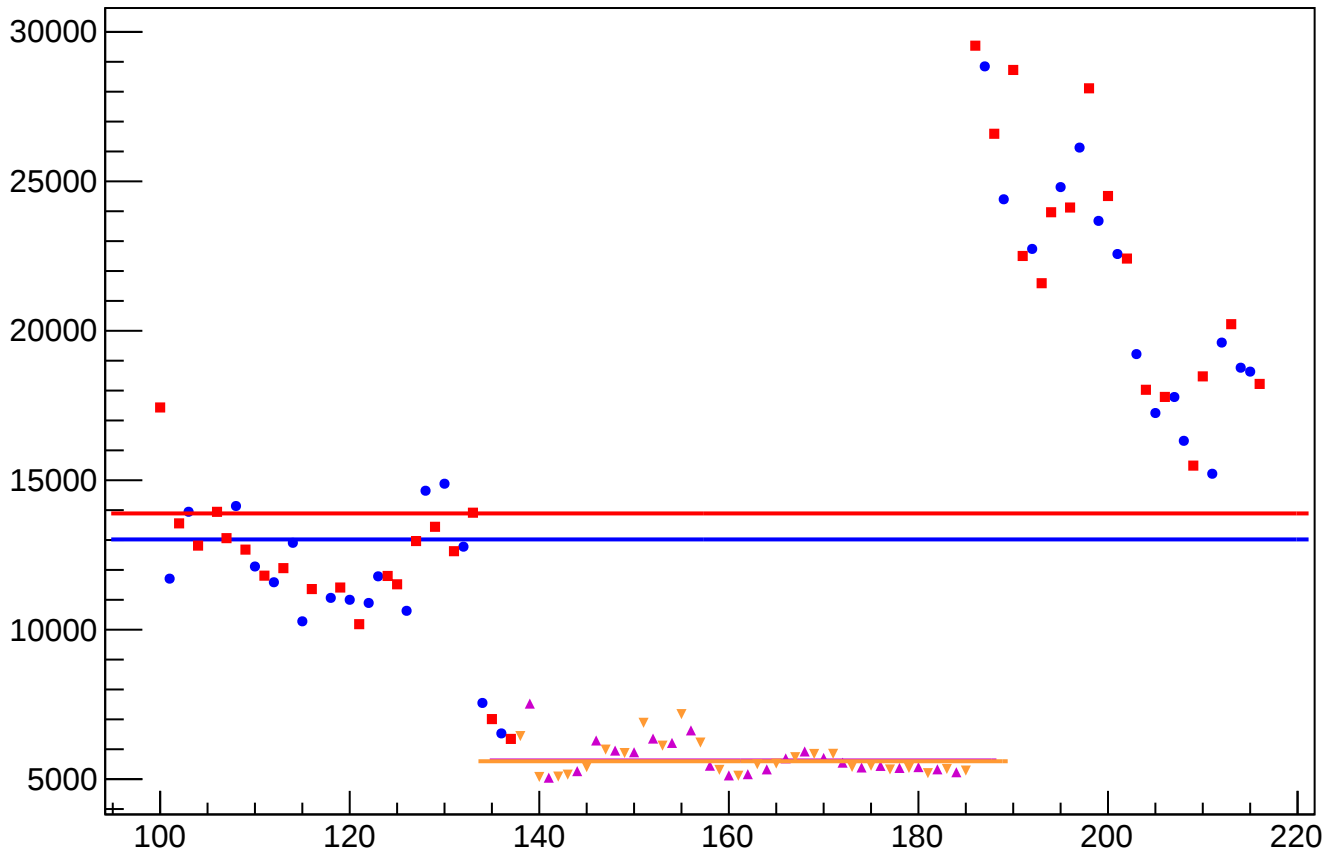
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 7.013 ± 1.224 χ^2/NDF : 101.6/56

All: 4.265 ± 0.880 χ^2/NDF : 185.2/114

- sign 1.319 ± 1.267 χ^2/NDF : 73.2/57

diff_bpm16X_rms vs Slug



Right In: 13019.967+/-2.391 χ^2/NDF : 4923779.4/31

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

Right Out: 13889.808+/-2.496 χ^2/NDF : 4743955.2/34

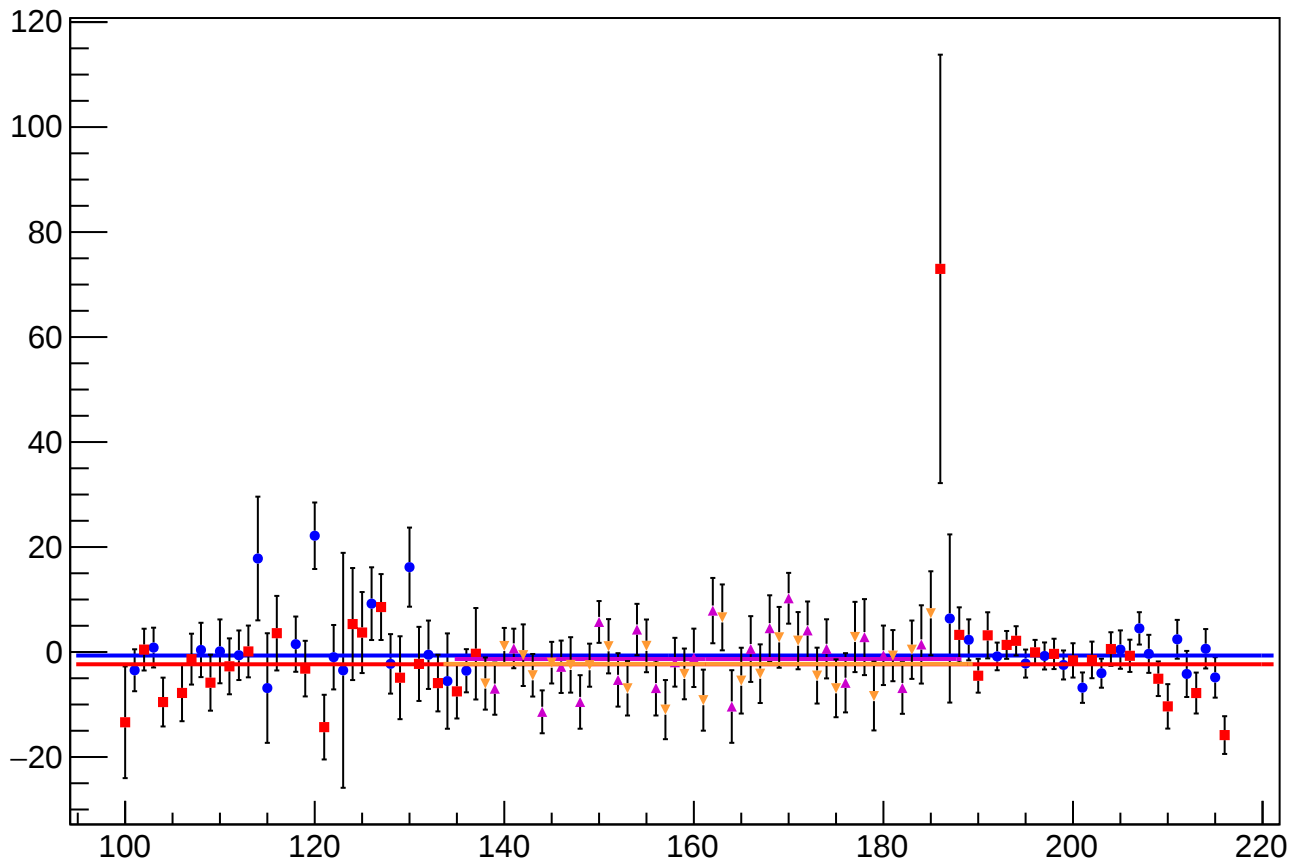
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

+ sign 6570.490+/-0.865 χ^2/NDF : 13578527.0/56

All: 6628.313+/-0.622 χ^2/NDF : 28155202.7/100

- sign 6690.331+/-0.896 χ^2/NDF : 14567419.2/57

diff_bpm16Y_mean vs Slug



Right In: -0.666 ± 0.722 χ^2/NDF : 37.6/31

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

Right Out: -2.336 ± 0.710 χ^2/NDF : 50.0/34

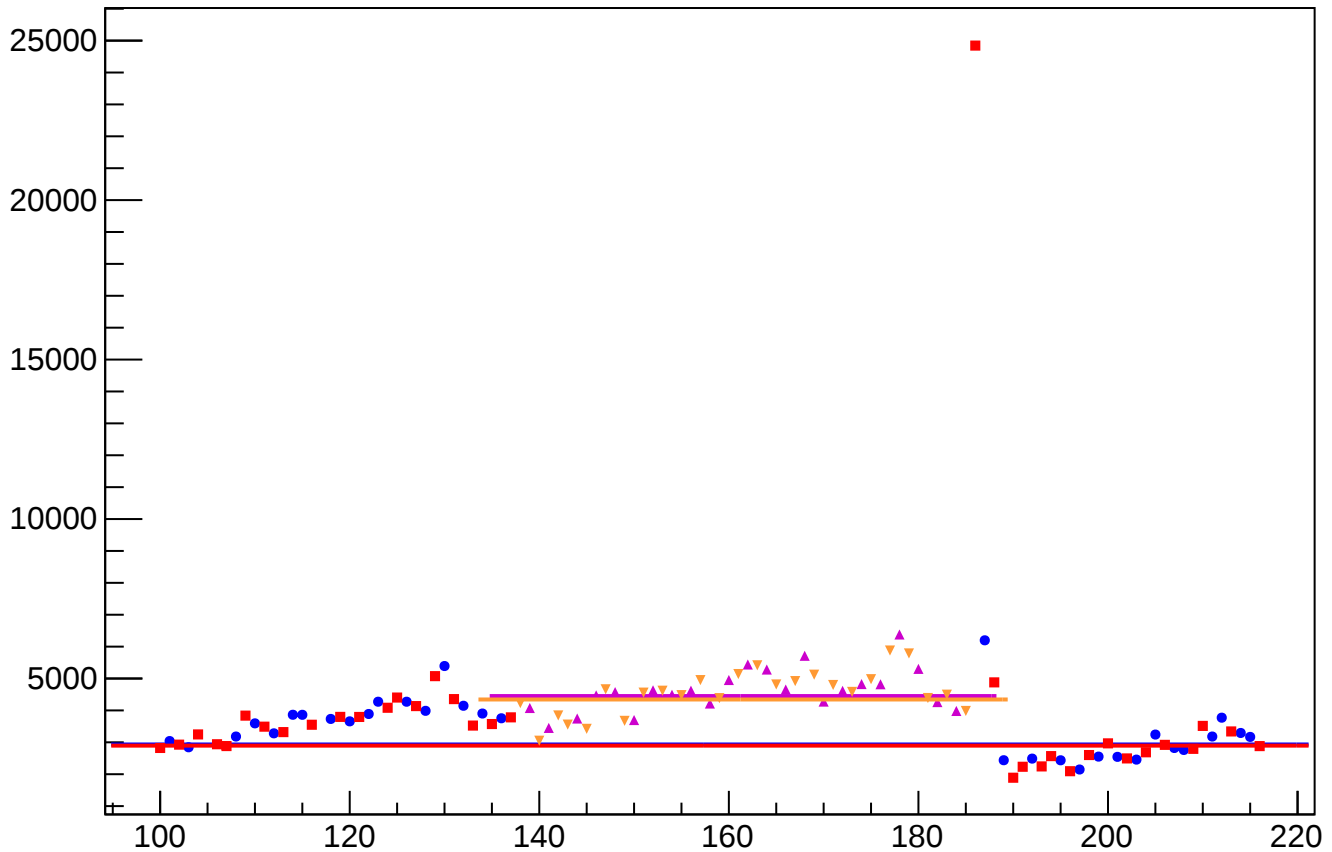
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.192 ± 0.591 χ^2/NDF : 54.7/56

All: -1.611 ± 0.419 χ^2/NDF : 136.9/114

- sign -2.032 ± 0.594 χ^2/NDF : 81.2/57

diff_bpm16Y_rms vs Slug



Right In: 2931.839+/-0.511 χ^2/NDF : 1416382.5/31

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

Right Out: 2896.034+/-0.502 χ^2/NDF : 2338217.2/34

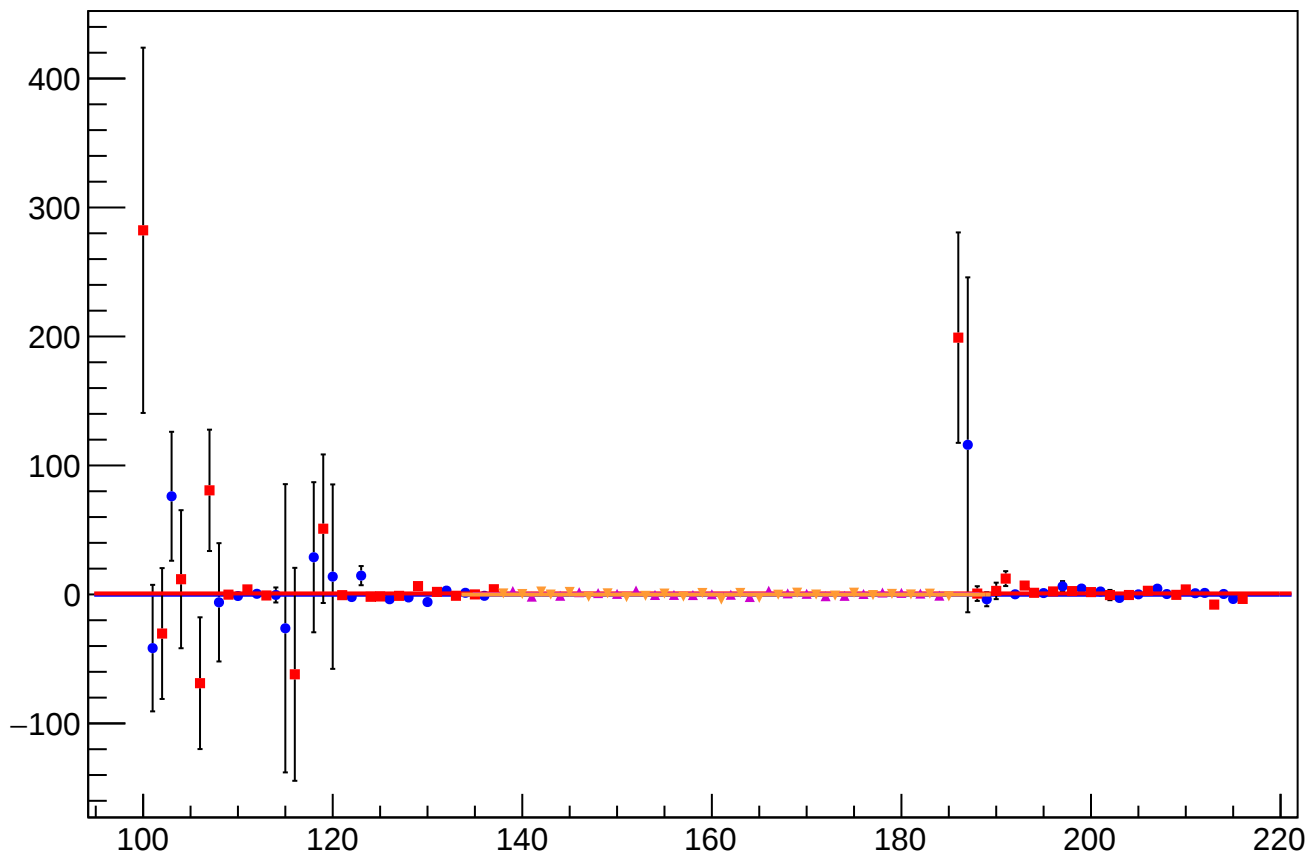
Left In: 4450.007+/-0.765 χ^2/NDF : 693229.8/22

+ sign 3396.855+/-0.418 χ^2/NDF : 4924131.2/56

All: 3380.326+/-0.296 χ^2/NDF : 10842568.0/100

- sign 3363.678+/-0.420 χ^2/NDF : 5915301.3/57

diff_bpm1p02bX_mean vs Slug



Right In: -0.241 ± 0.526 χ^2/NDF : 34.0/31

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

Right Out: 0.779 ± 0.535 χ^2/NDF : 49.6/34

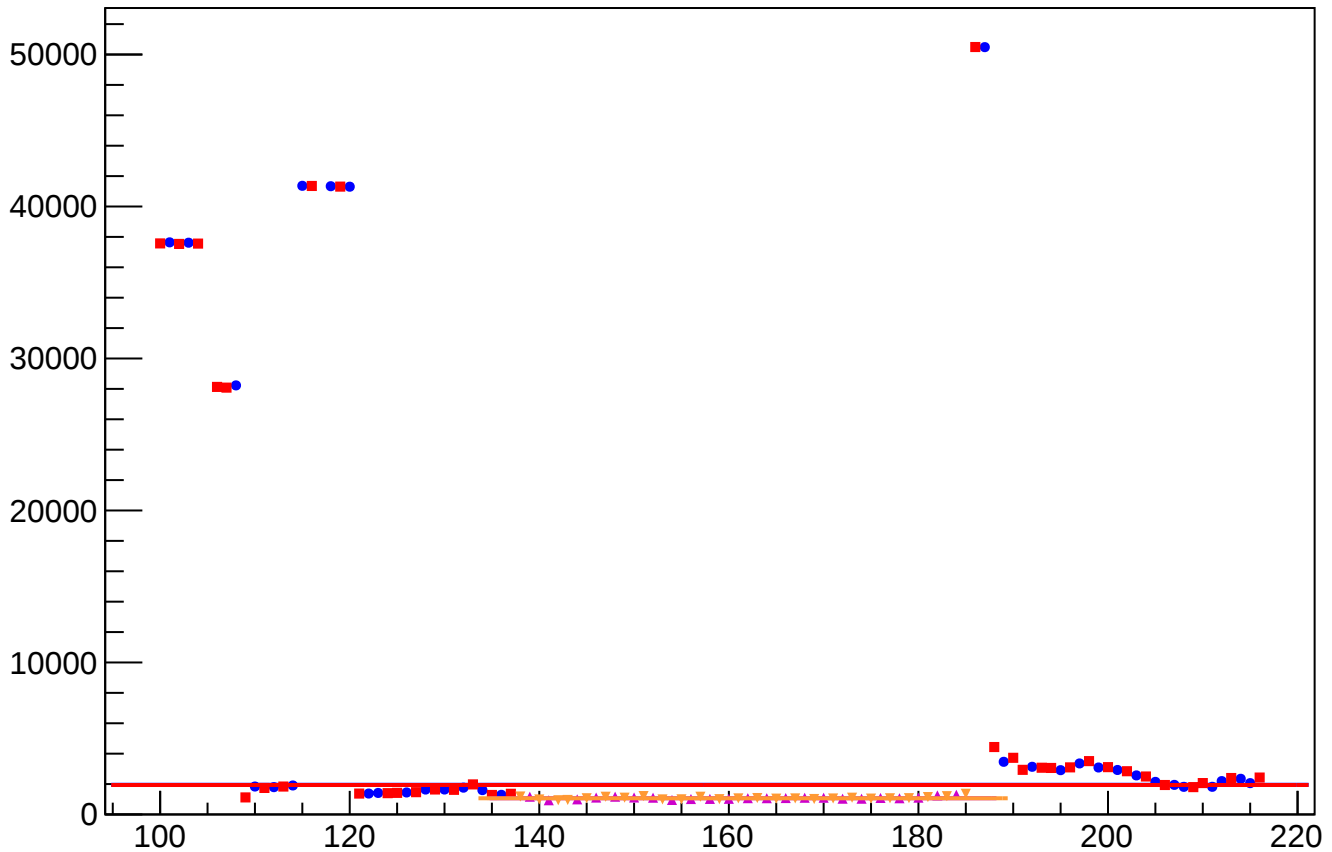
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.119 ± 0.225 χ^2/NDF : 68.5/56

All: 0.112 ± 0.161 χ^2/NDF : 148.3/114

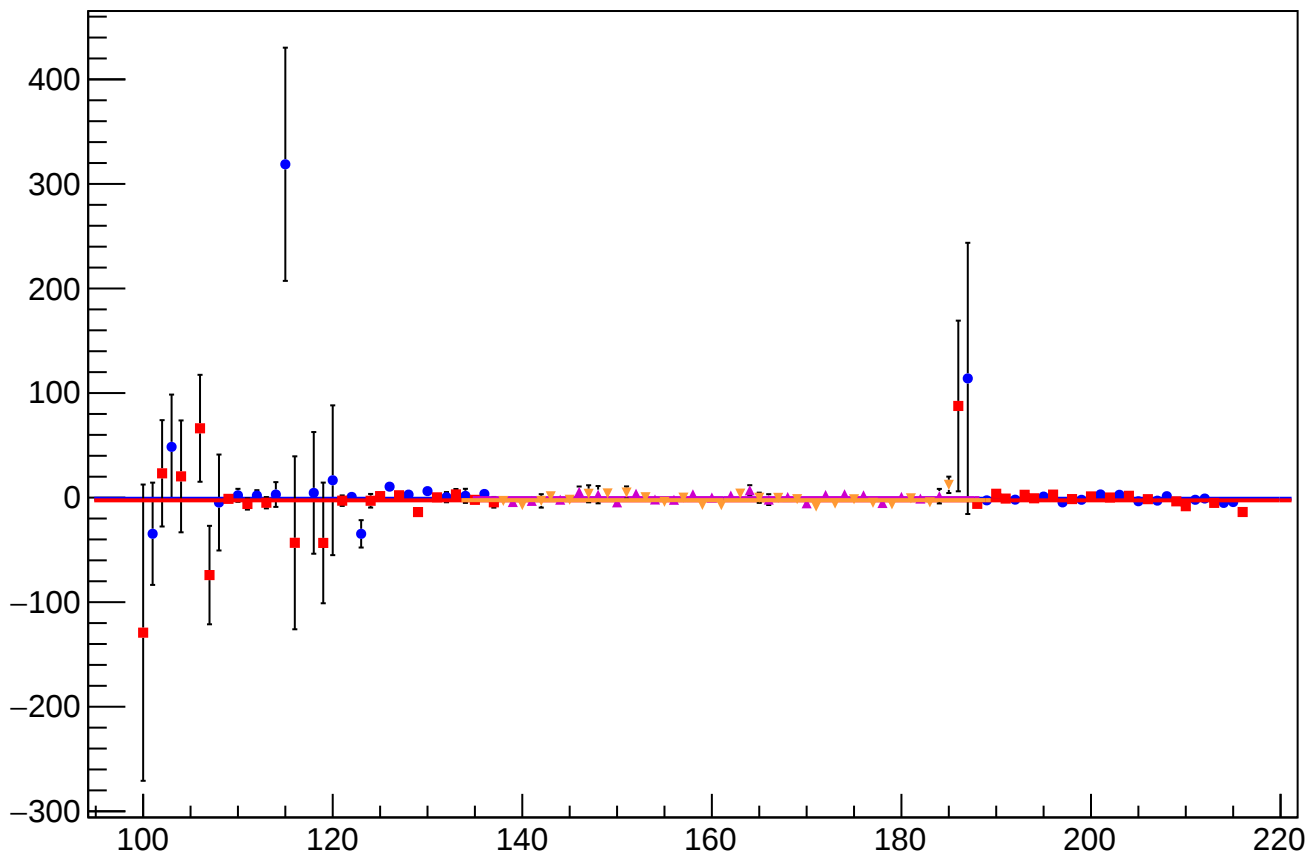
- sign 0.357 ± 0.232 χ^2/NDF : 77.6/57

diff_bpm1p02bX_rms vs Slug



Right In: 1952.442 $\pm$ 0.372 χ^2 /NDF: 7002473.7/31 + sign 1227.181 $\pm$ 0.159 χ^2 /NDF: 11840174.1/56
 Left Out: 1064.701 $\pm$ 0.176 χ^2 /NDF:186511.5/24 All: 1228.450 $\pm$ 0.114 χ^2 /NDF: 24788609.8/56
 Right Out: 1937.528 $\pm$ 0.378 χ^2 /NDF: 8468301.8/34 - sign 1229.794 $\pm$ 0.164 χ^2 /NDF: 12948304.8/57
 Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF:164232.1/22

diff_bpm1p02bY_mean vs Slug



Right In: -1.091 ± 0.454 χ^2/NDF : 61.3/31

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

Right Out: -2.613 ± 0.483 χ^2/NDF : 95.0/34

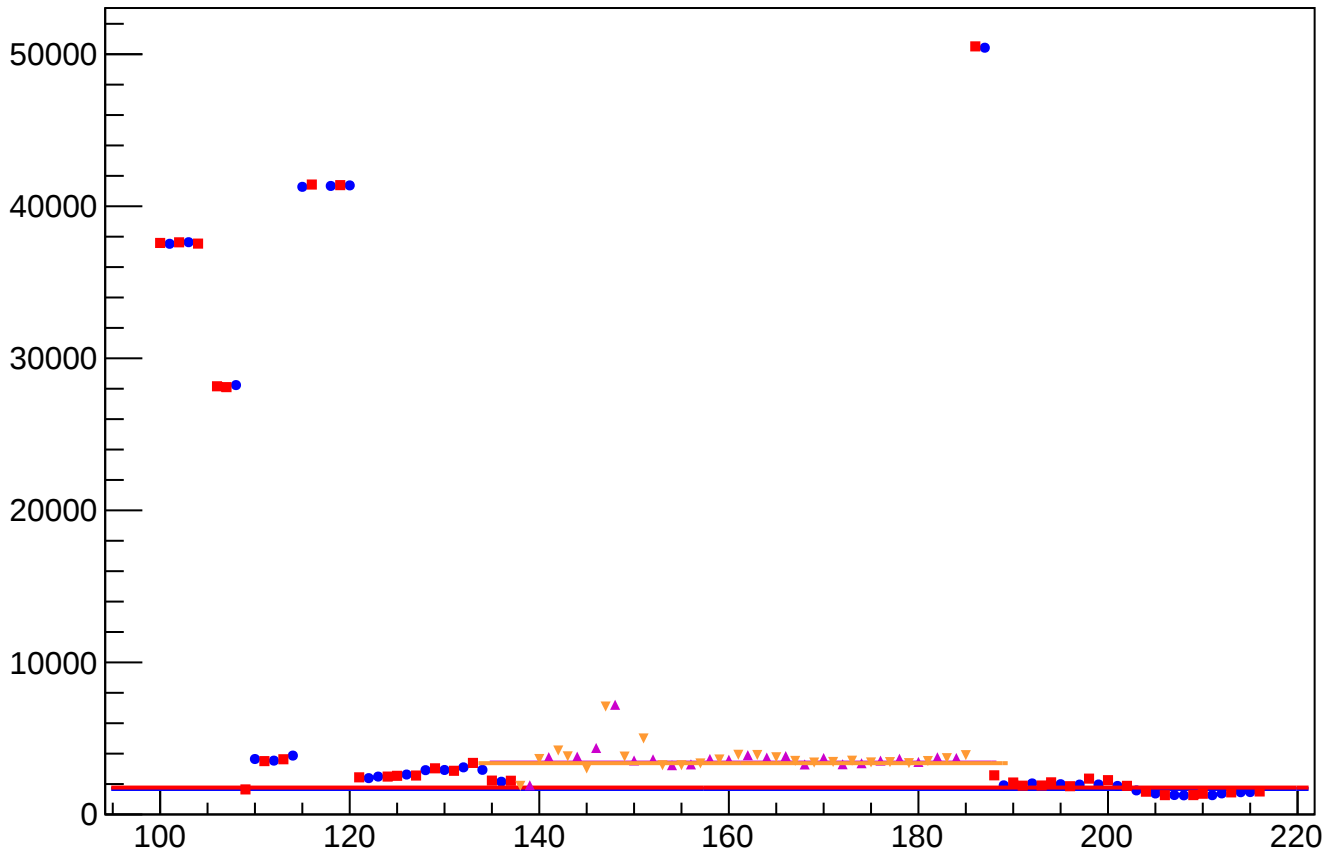
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -1.408 ± 0.396 χ^2/NDF : 84.6/56

All: -1.726 ± 0.288 χ^2/NDF : 201.3/114

- sign -2.083 ± 0.419 χ^2/NDF : 115.3/57

diff_bpm1p02bY_rms vs Slug



Right In: 1676.310 ± 0.321 $\chi^2/\text{NDF}: 7104849.3/31$

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

Right Out: 1769.066 ± 0.341 $\chi^2/\text{NDF}: 7580004.6/34$

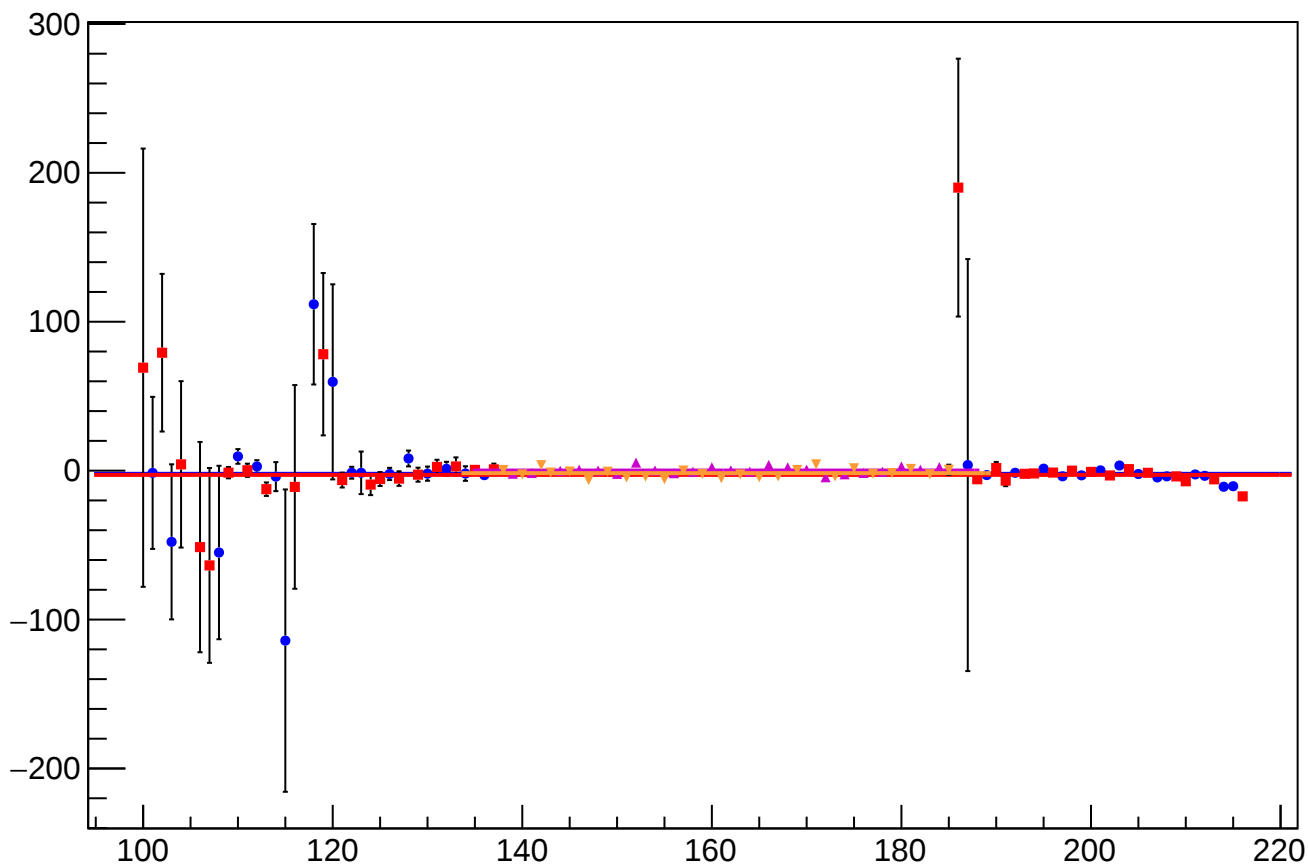
Left In: 3411.924 ± 0.596 $\chi^2/\text{NDF}: 1434523.7/22$

+ sign 2081.064 ± 0.280 $\chi^2/\text{NDF}: 15434335.2/56$

All: 2125.416 ± 0.203 $\chi^2/\text{NDF}: 30222579.0/100$

- sign 2175.102 ± 0.296 $\chi^2/\text{NDF}: 14735021.4/57$

diff_bpm1p03aX_mean vs Slug



Right In: -2.136 ± 0.575 χ^2/NDF : 46.2/31

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

Right Out: -2.834 ± 0.588 χ^2/NDF : 56.0/34

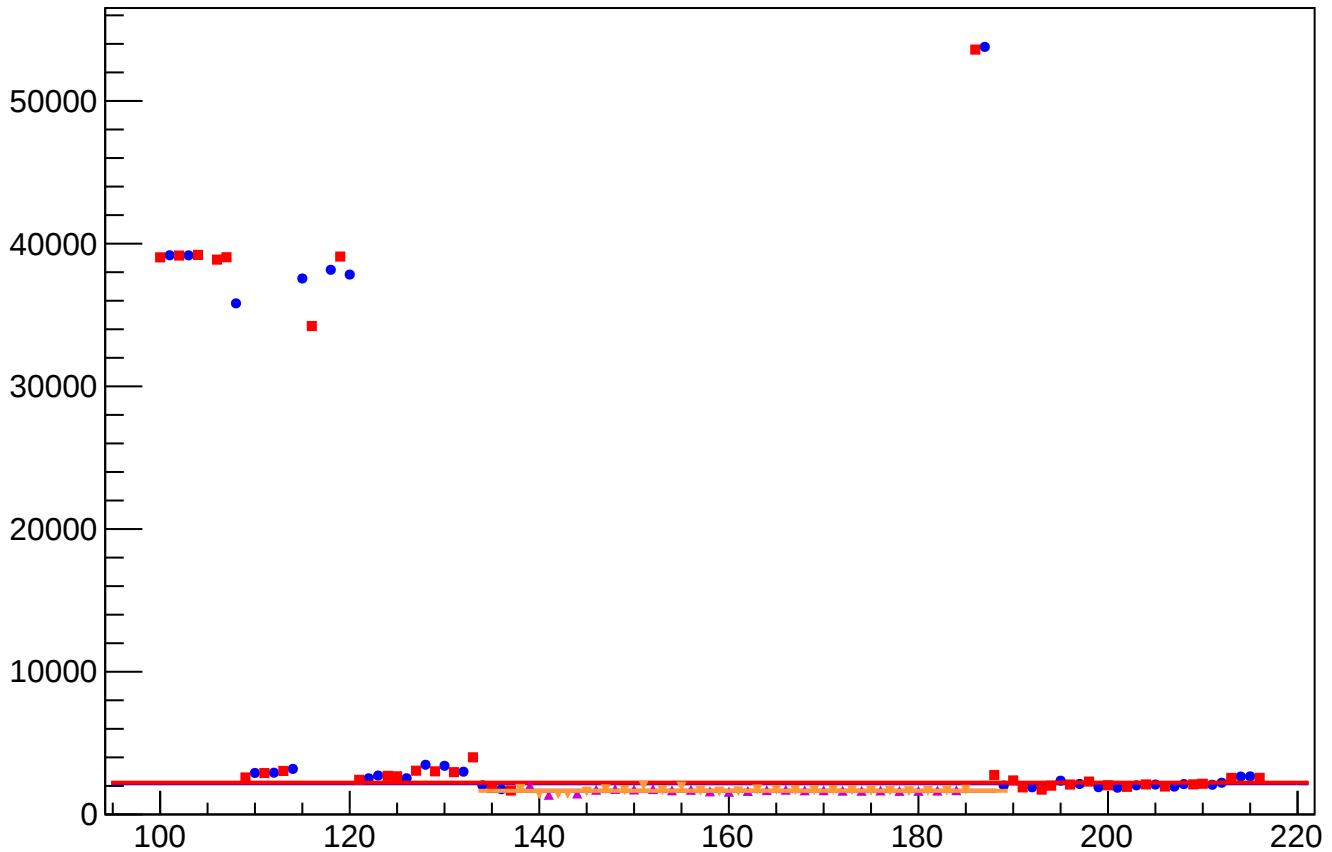
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.817 ± 0.322 χ^2/NDF : 92.3/56

All: -1.348 ± 0.231 χ^2/NDF : 197.5/114

- sign -0.851 ± 0.331 χ^2/NDF : 100.8/57

diff_bpm1p03aX_rms vs Slug



Right In: 2182.956 $\pm$ 0.407 χ^2 /NDF: 5561932.1/31

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

Right Out: 2230.395 $\pm$ 0.416 χ^2 /NDF: 6116895.5/34

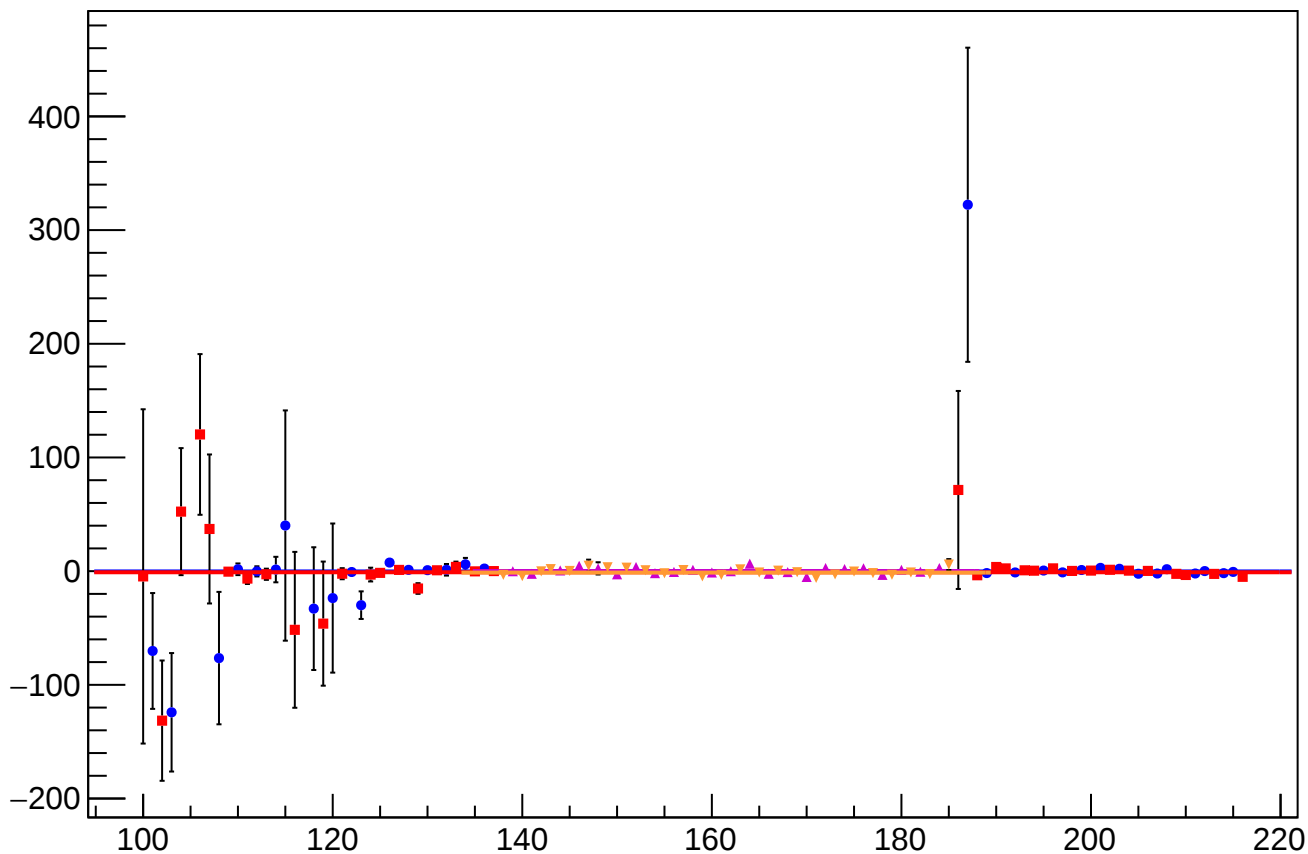
Left In: 1663.620 $\pm$ 0.284 χ^2 /NDF: 178858.2/22

+ sign 1822.024 $\pm$ 0.227 χ^2 /NDF: 6930987.0/56

All: 1832.441 $\pm$ 0.163 χ^2 /NDF: 14498723.6/100

- sign 1843.491 $\pm$ 0.234 χ^2 /NDF: 7563415.7/57

diff_bpm1p03aY_mean vs Slug



Right In: -0.258 ± 0.388 χ^2/NDF : 45.1/31

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

Right Out: -0.972 ± 0.403 χ^2/NDF : 54.2/34

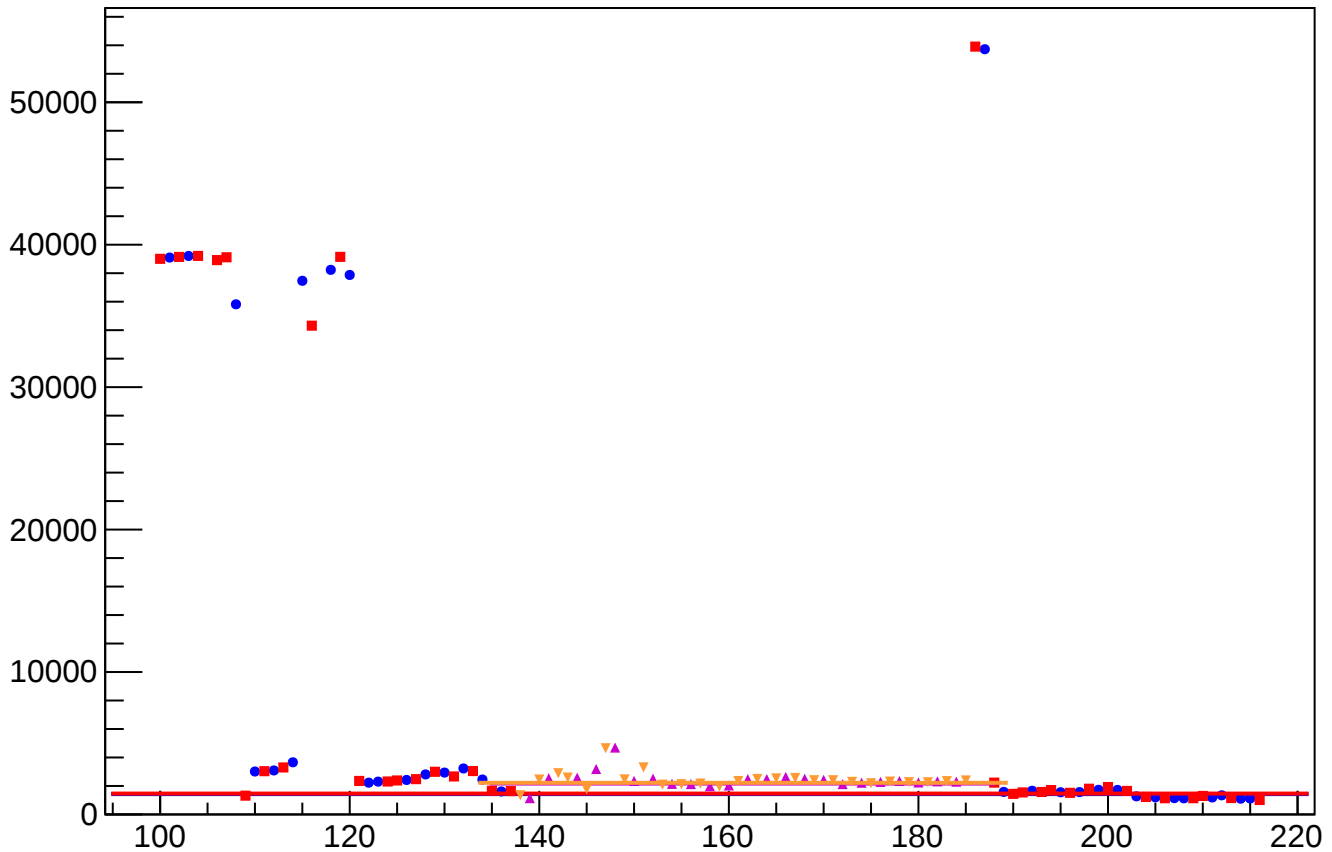
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.600 ± 0.314 χ^2/NDF : 69.1/56

All: -0.596 ± 0.225 χ^2/NDF : 145.1/114

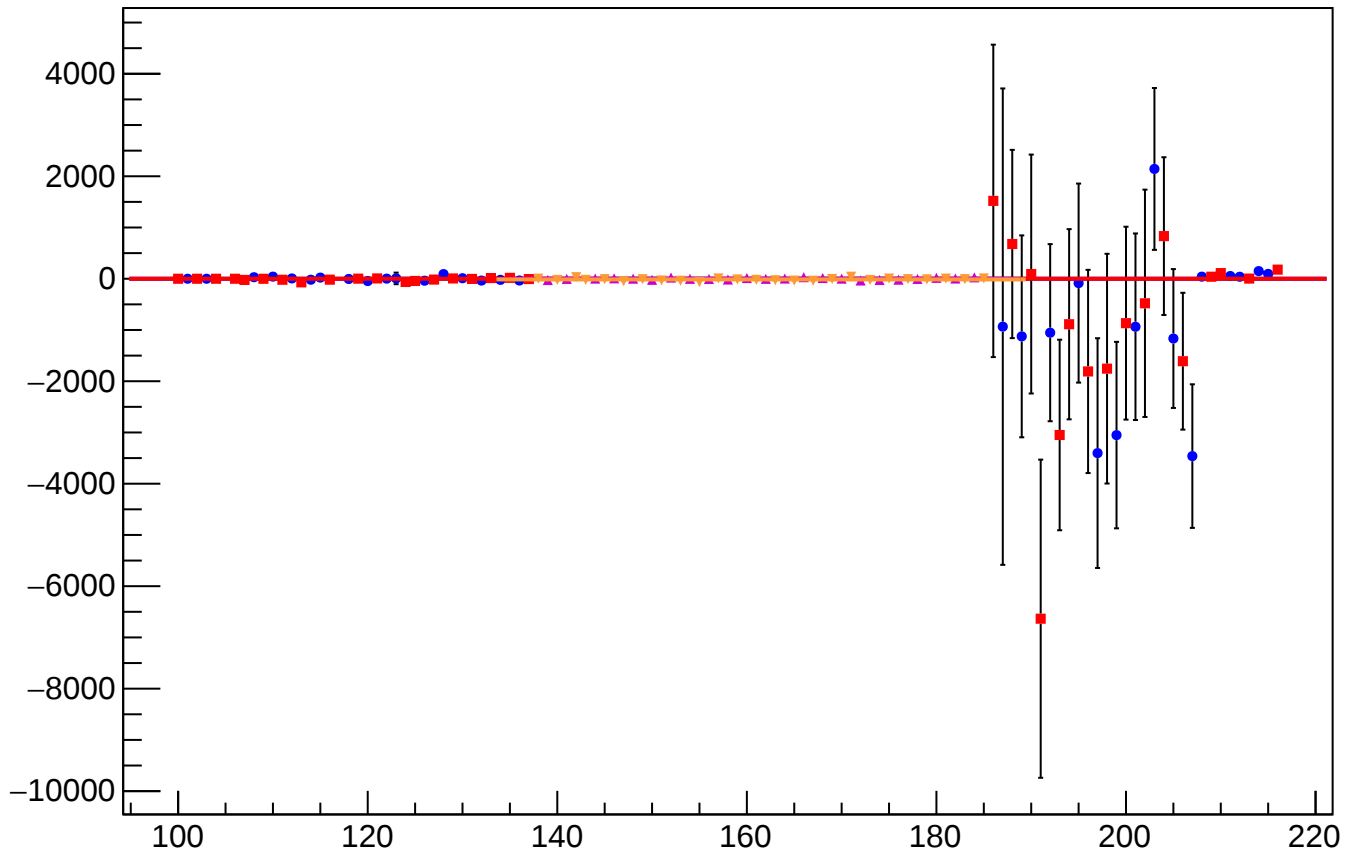
- sign -0.591 ± 0.323 χ^2/NDF : 76.0/57

diff_bpm1p03aY_rms vs Slug



Right In: 1428.442+/-0.274	χ^2/NDF : 7282853.1/31	+ sign 1701.875+/-0.222	χ^2/NDF : 11589689.0/56
Left Out: 2222.081+/-0.378	χ^2/NDF : 1422440.9/24	All: 1708.937+/-0.159	χ^2/NDF : 23666255.2/100
Right Out: 1465.662+/-0.285	χ^2/NDF : 7922655.8/34	- sign 1716.411+/-0.228	χ^2/NDF : 12074484.2/57
Left In: 2169.443+/-0.383	χ^2/NDF : 1974869.8/22		

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 47.1/31$

Left Out: -13.484 ± 2.800 $\chi^2/\text{NDF}: 58.7/24$

Right Out: 0.003 ± 0.016 $\chi^2/\text{NDF}: 45.5/34$

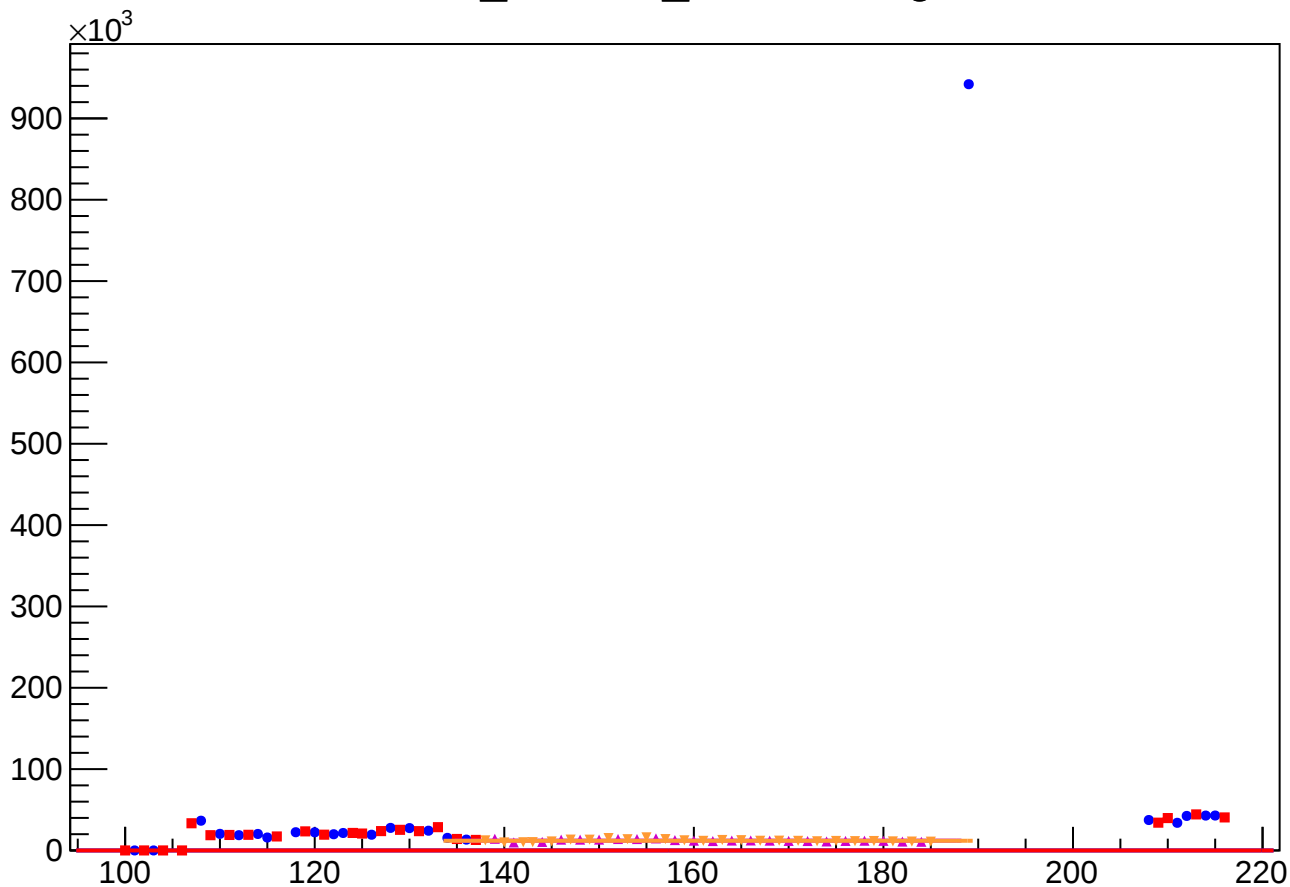
Left In: -0.459 ± 2.917 $\chi^2/\text{NDF}: 29.0/22$

+ sign 0.013 ± 0.017 $\chi^2/\text{NDF}: 129.0/56$

All: 0.008 ± 0.012 $\chi^2/\text{NDF}: 203.7/114$

- sign 0.003 ± 0.016 $\chi^2/\text{NDF}: 74.5/57$

diff_cav4bX_rms vs Slug



Right In: 18.668 $\pm$ 0.012 χ^2 /NDF: 18158797.2/22

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

Right Out: 18.330 $\pm$ 0.011 χ^2 /NDF: 16665492.7/22

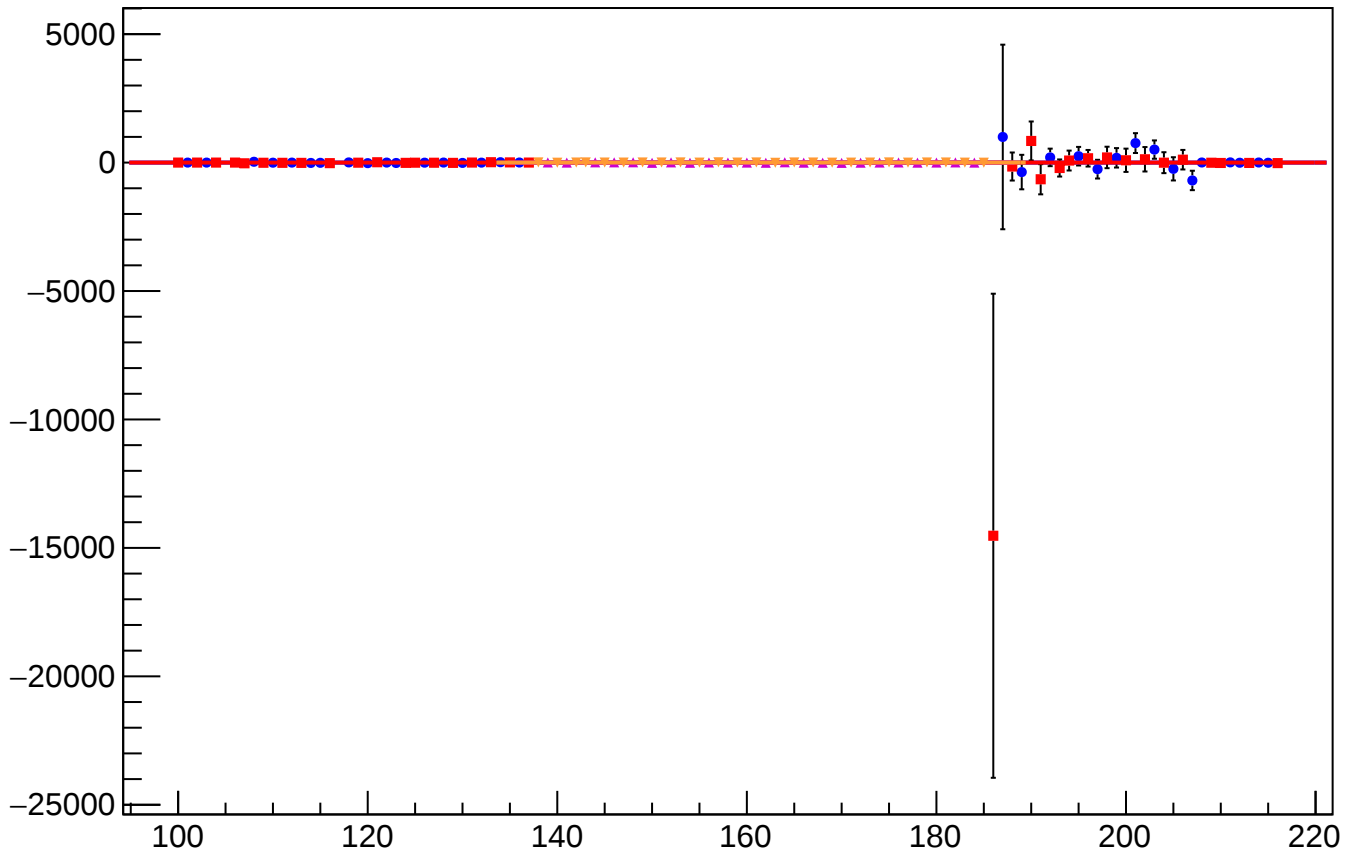
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

+ sign 19.124 $\pm$ 0.012 χ^2 /NDF: 54698285.0/47

All: 18.893 $\pm$ 0.008 χ^2 /NDF: 105848687.5/93

- sign 18.695 $\pm$ 0.011 χ^2 /NDF: 51149746.0/45

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 27.6/31

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 44.0/34

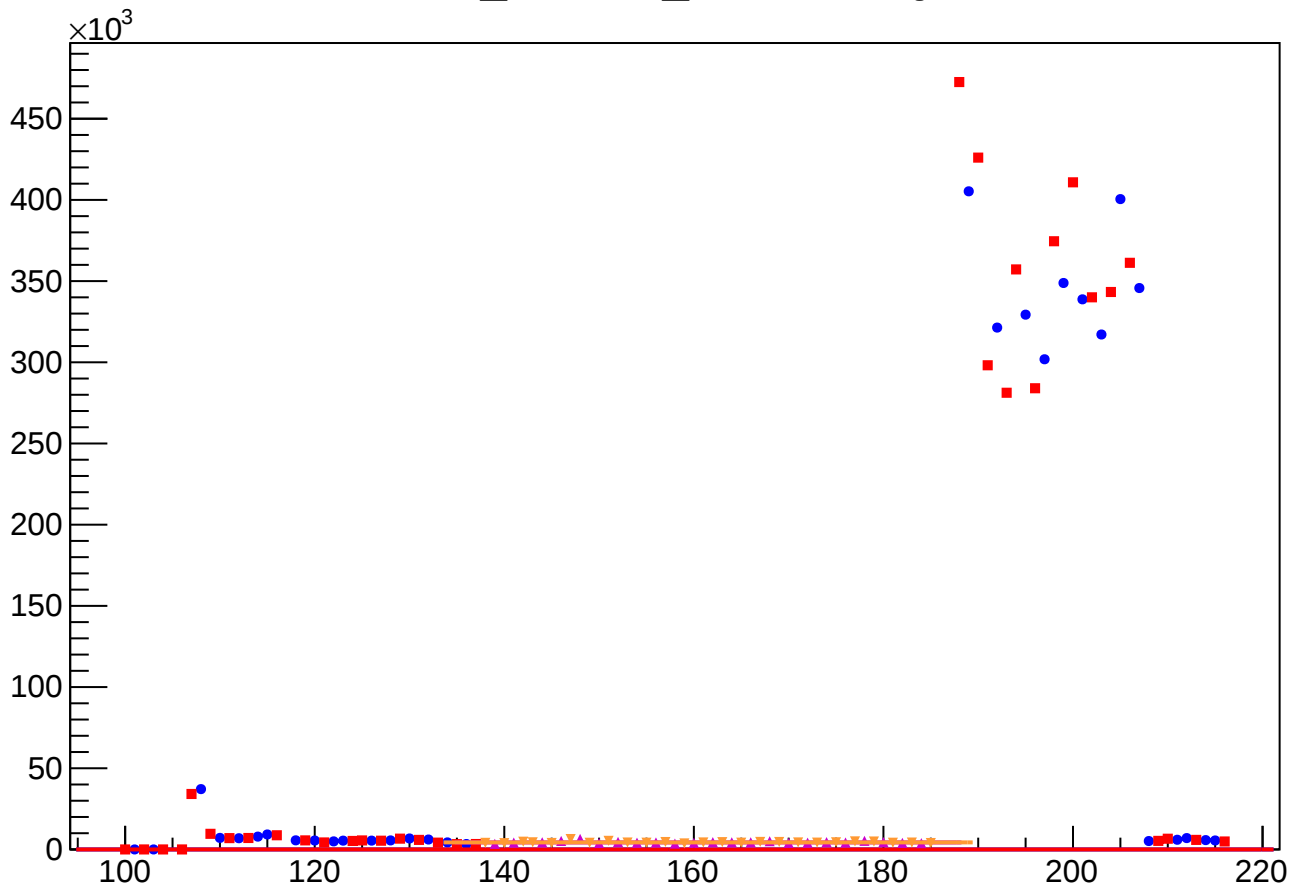
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 48.5/56

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 130.0/114

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 80.4/57

diff_cav4bY_rms vs Slug



Right In: 9.991 ± 0.007 χ^2/NDF : 31612864.8/30

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

Right Out: 9.893 ± 0.006 χ^2/NDF : 31439126.9/33

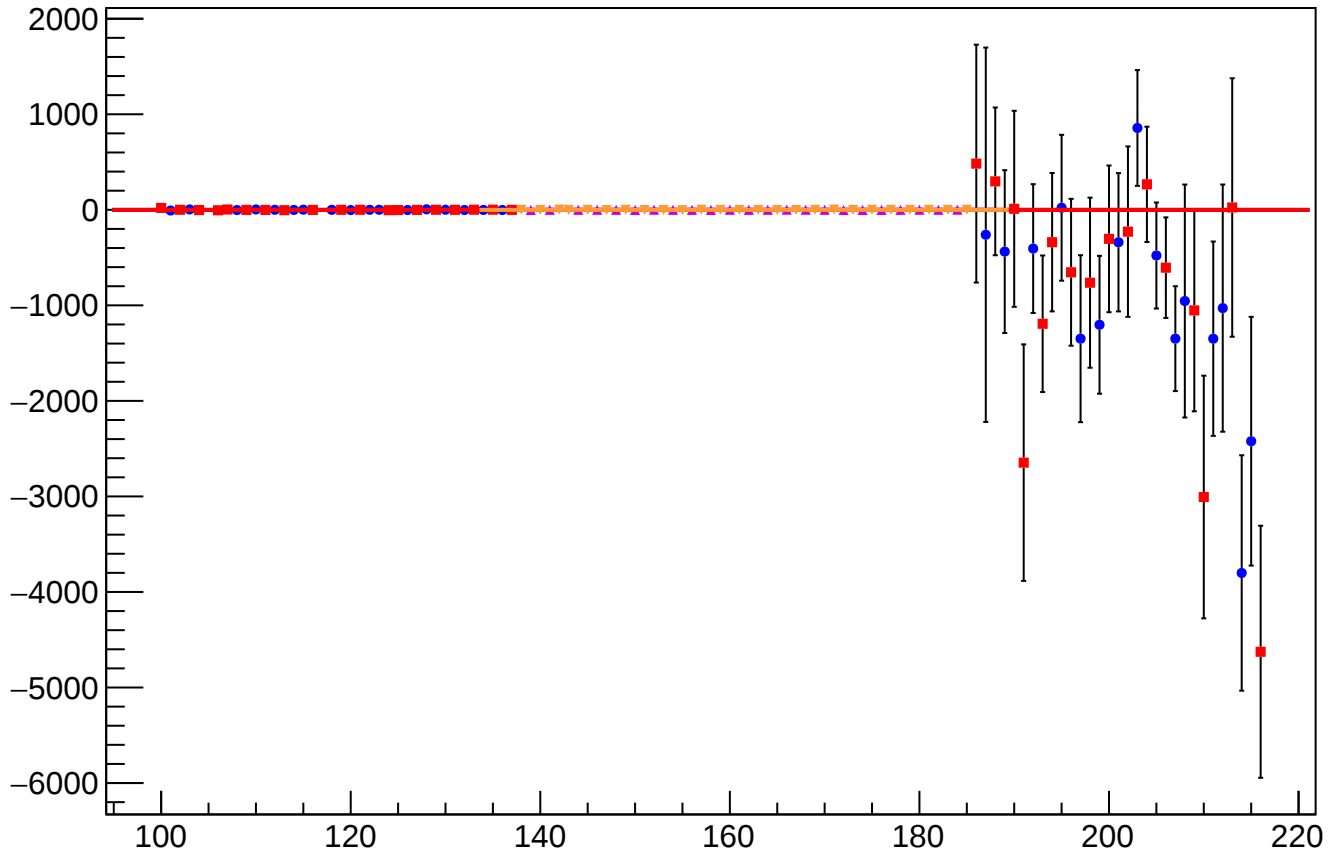
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.342 ± 0.007 χ^2/NDF : 68039430.1/55

All: 10.259 ± 0.004 χ^2/NDF : 133811639.5/1

- sign 10.186 ± 0.006 χ^2/NDF : 65771902.8/56

diff_cav4cX_mean vs Slug



Right In: -0.717 ± 0.483 χ^2/NDF : 53.5/31

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

Right Out: -0.641 ± 0.501 χ^2/NDF : 43.0/34

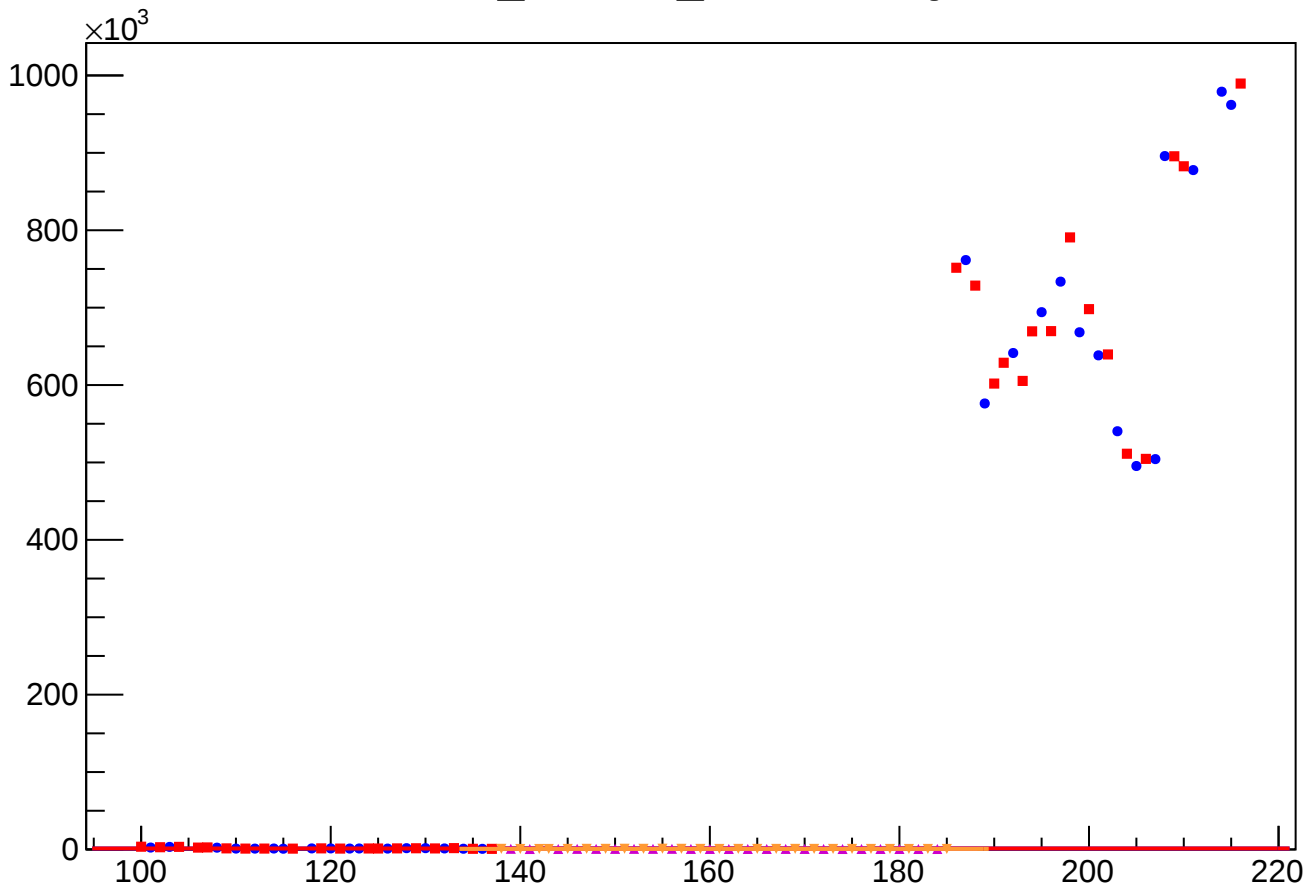
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 112.0/56

All: -0.439 ± 0.112 χ^2/NDF : 195.2/114

- sign -0.083 ± 0.162 χ^2/NDF : 73.8/57

diff_cav4cX_rms vs Slug



Right In: 1170.237 $\pm$ 0.342 χ^2 /NDF: 18561976.8/30

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

Right Out: 1251.273 $\pm$ 0.355 χ^2 /NDF: 19111562.9/33

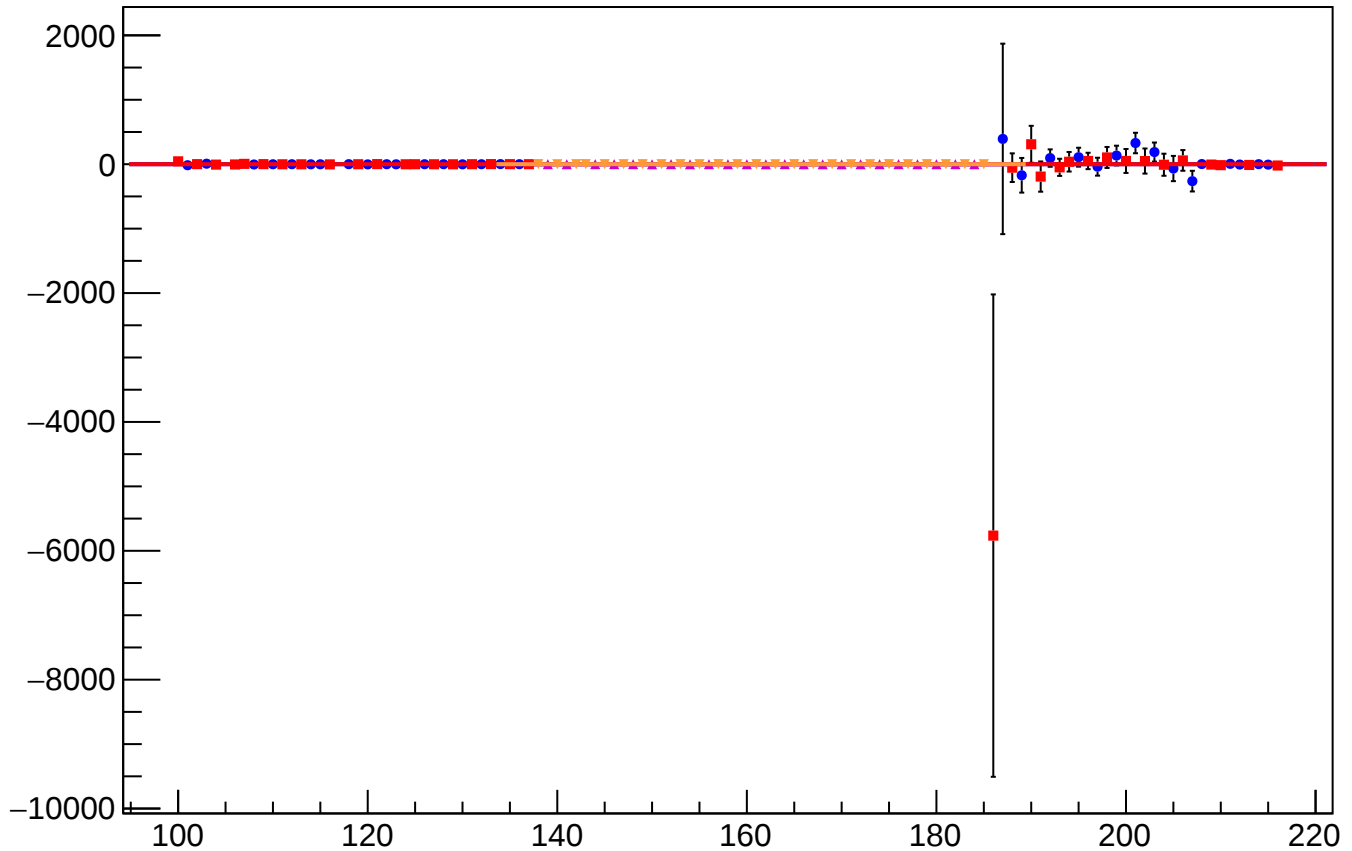
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF:332011.4/22

+ sign 749.776 $\pm$ 0.110 χ^2 /NDF: 20645472.7/55

All: 756.401 $\pm$ 0.079 χ^2 /NDF: 42207880.1/11

- sign 763.536 $\pm$ 0.114 χ^2 /NDF: 21554893.9/56

diff_cav4cY_mean vs Slug



Right In: -0.061 ± 0.267 χ^2/NDF : 33.4/31

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

Right Out: 0.163 ± 0.263 χ^2/NDF : 52.0/34

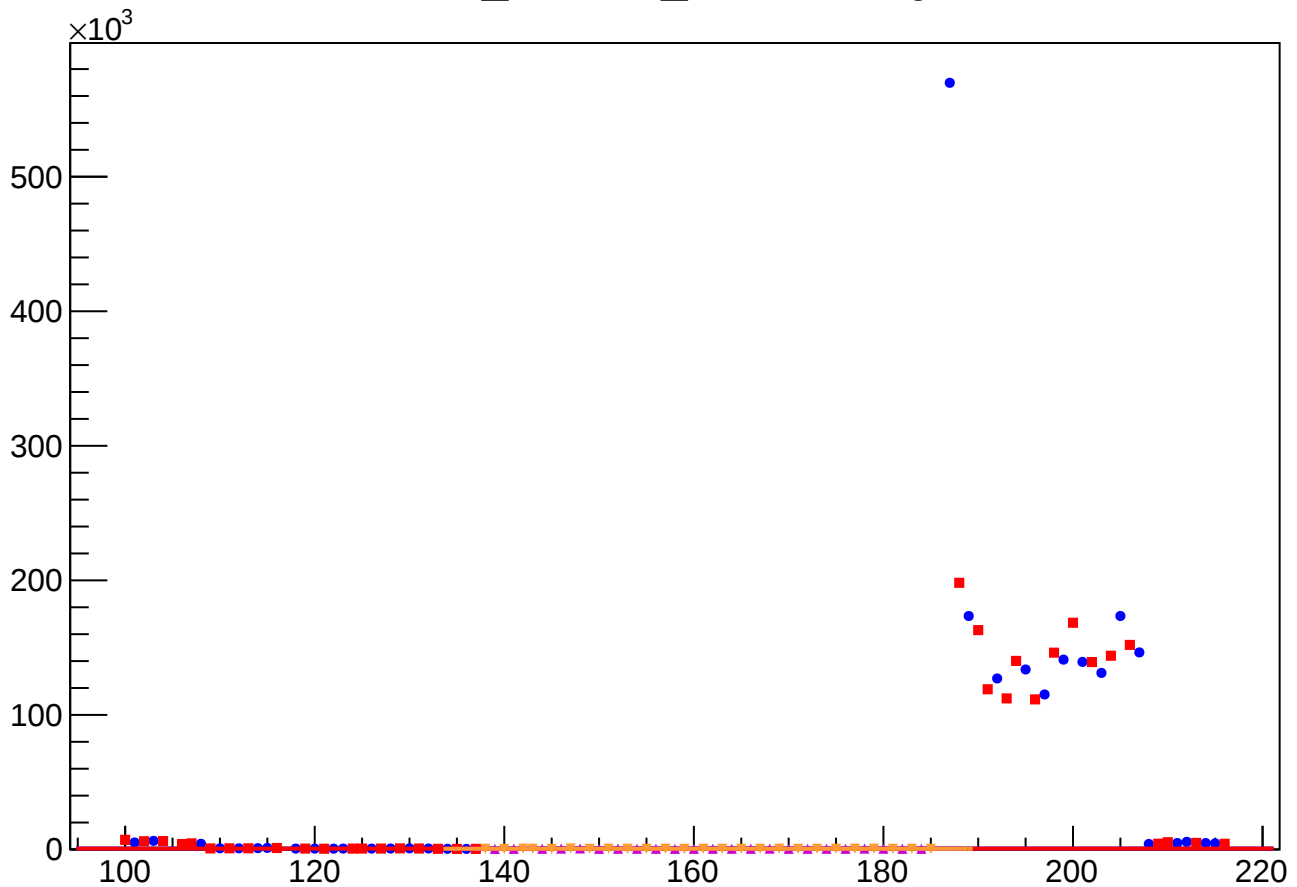
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.182 ± 0.111 χ^2/NDF : 52.4/56

All: 0.158 ± 0.080 χ^2/NDF : 139.5/114

- sign 0.132 ± 0.114 χ^2/NDF : 87.0/57

diff_cav4cY_rms vs Slug



Right In: 658.746 ± 0.189 χ^2/NDF : 22259881.1/31

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

Right Out: 638.571 ± 0.186 χ^2/NDF : 22515206.0/33

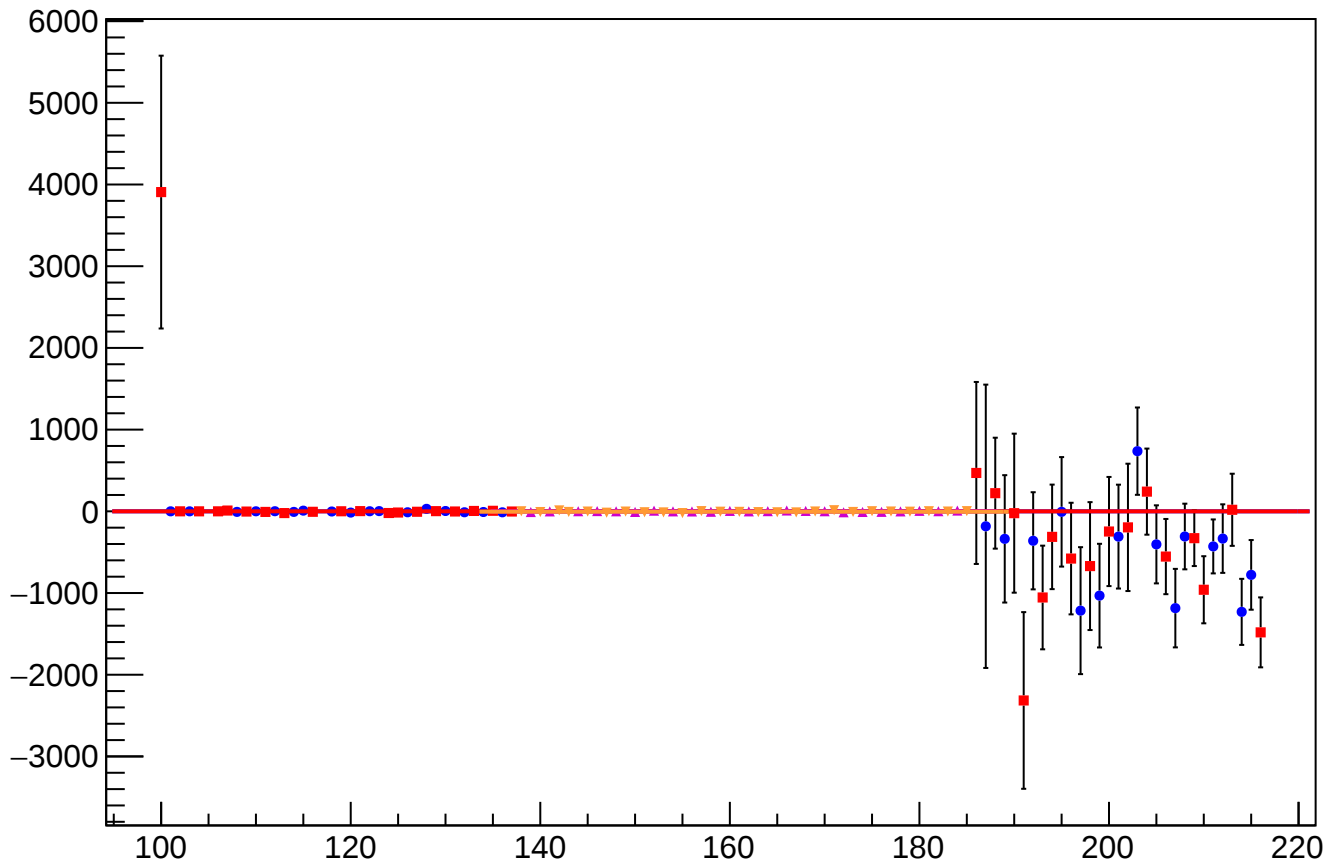
Left In: 520.700 ± 0.089 χ^2/NDF : 427720.5/22

+ sign 545.923 ± 0.079 χ^2/NDF : 23020854.1/56

All: 544.352 ± 0.056 χ^2/NDF : 46290747.2/1

- sign 542.715 ± 0.080 χ^2/NDF : 23269081.6/56

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 46.1/31

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

Right Out: -0.027 ± 0.020 χ^2/NDF : 47.0/34

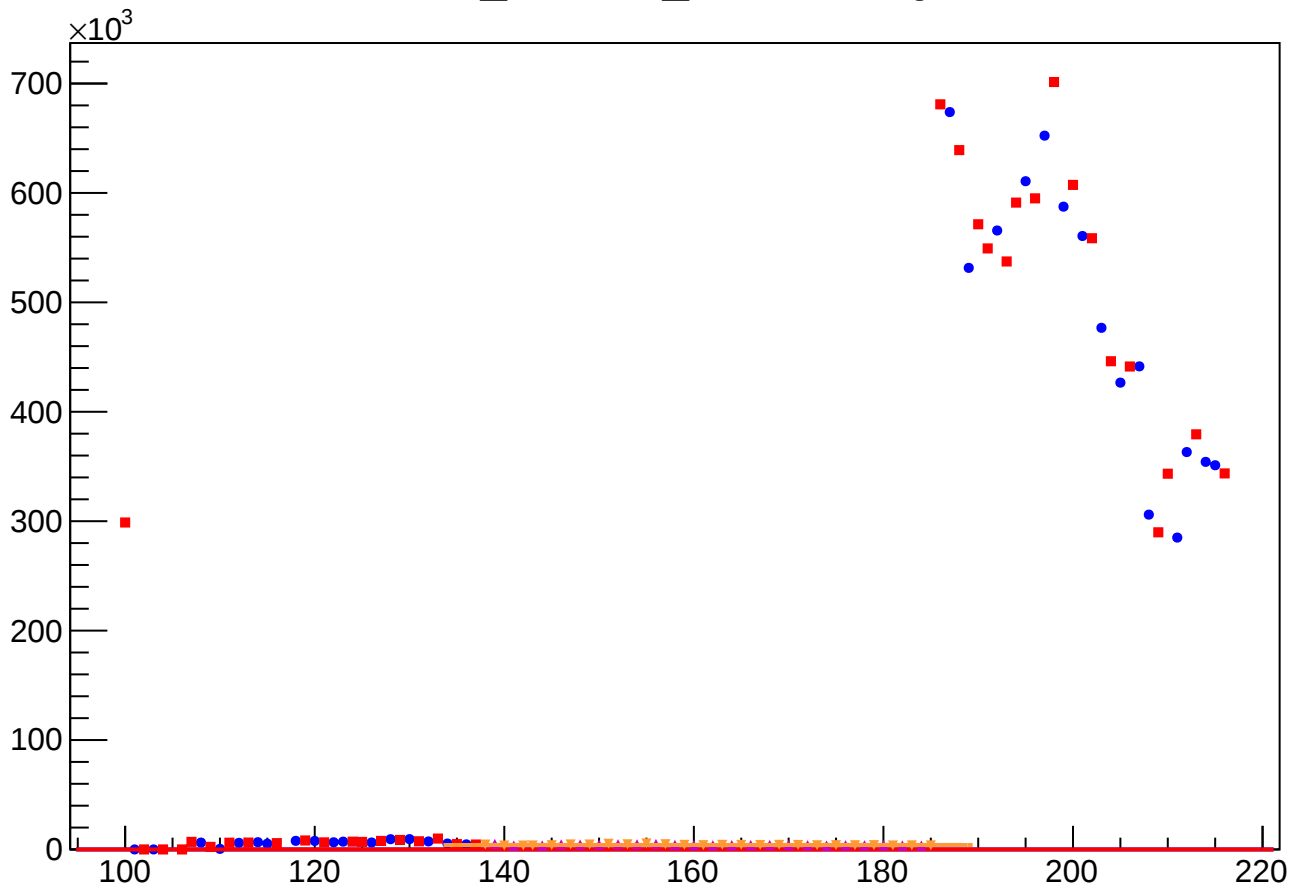
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 126.2/56

All: -0.025 ± 0.014 χ^2/NDF : 202.7/114

- sign -0.027 ± 0.020 χ^2/NDF : 76.5/57

diff_cav4dX_rms vs Slug



Right In: 17.350+/-0.015 χ^2 /NDF: 31757164.0/31

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

Right Out: 17.276+/-0.014 χ^2 /NDF: 32297618.0/34

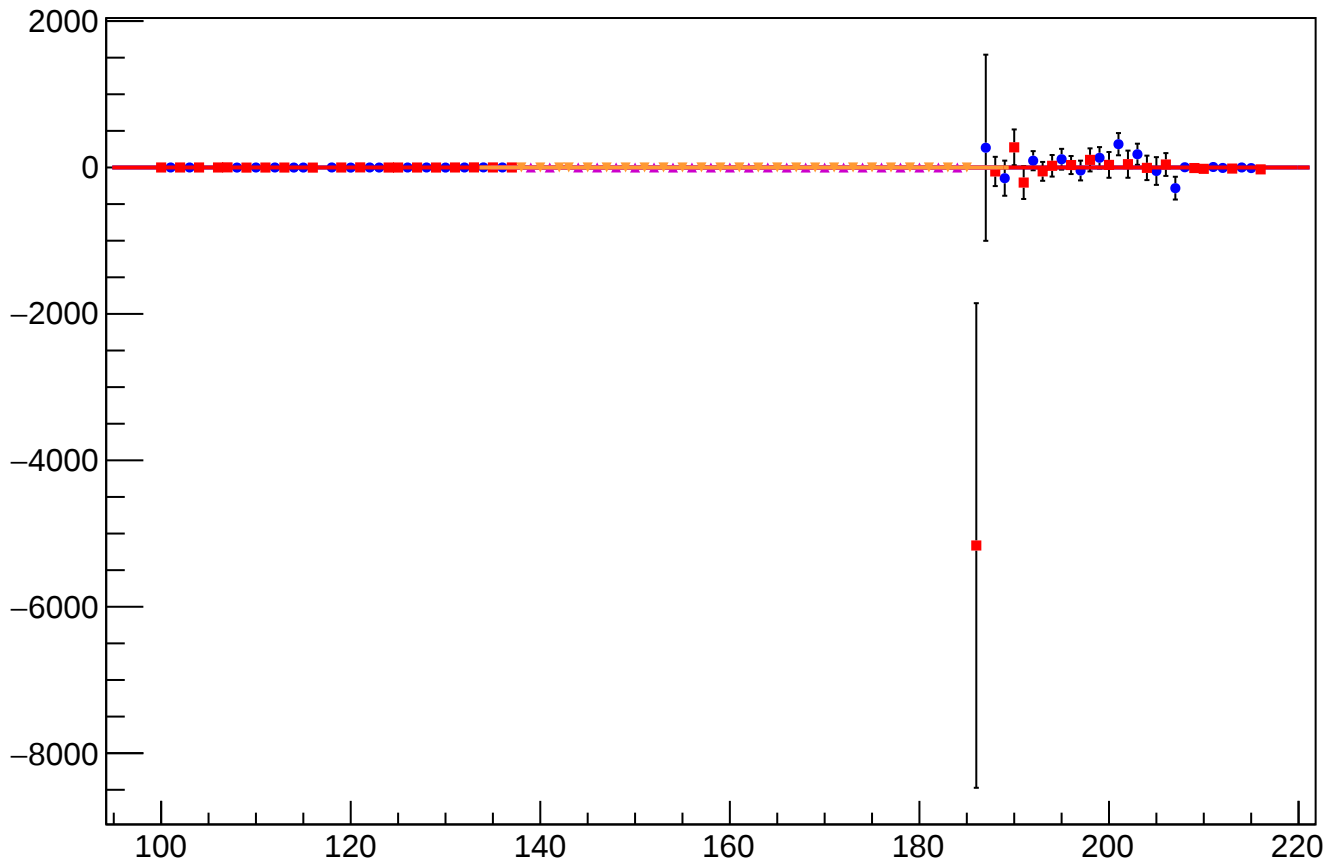
Left In: 4113.993+/-0.703 χ^2 /NDF:349160.6/22

+ sign 19.264+/-0.015 χ^2 /NDF: 68107148.2/56

All: 19.071+/-0.010 χ^2 /NDF: 134710091.7/11

- sign 18.897+/-0.014 χ^2 /NDF: 66602616.3/57

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 28.6/31

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 52.0/34

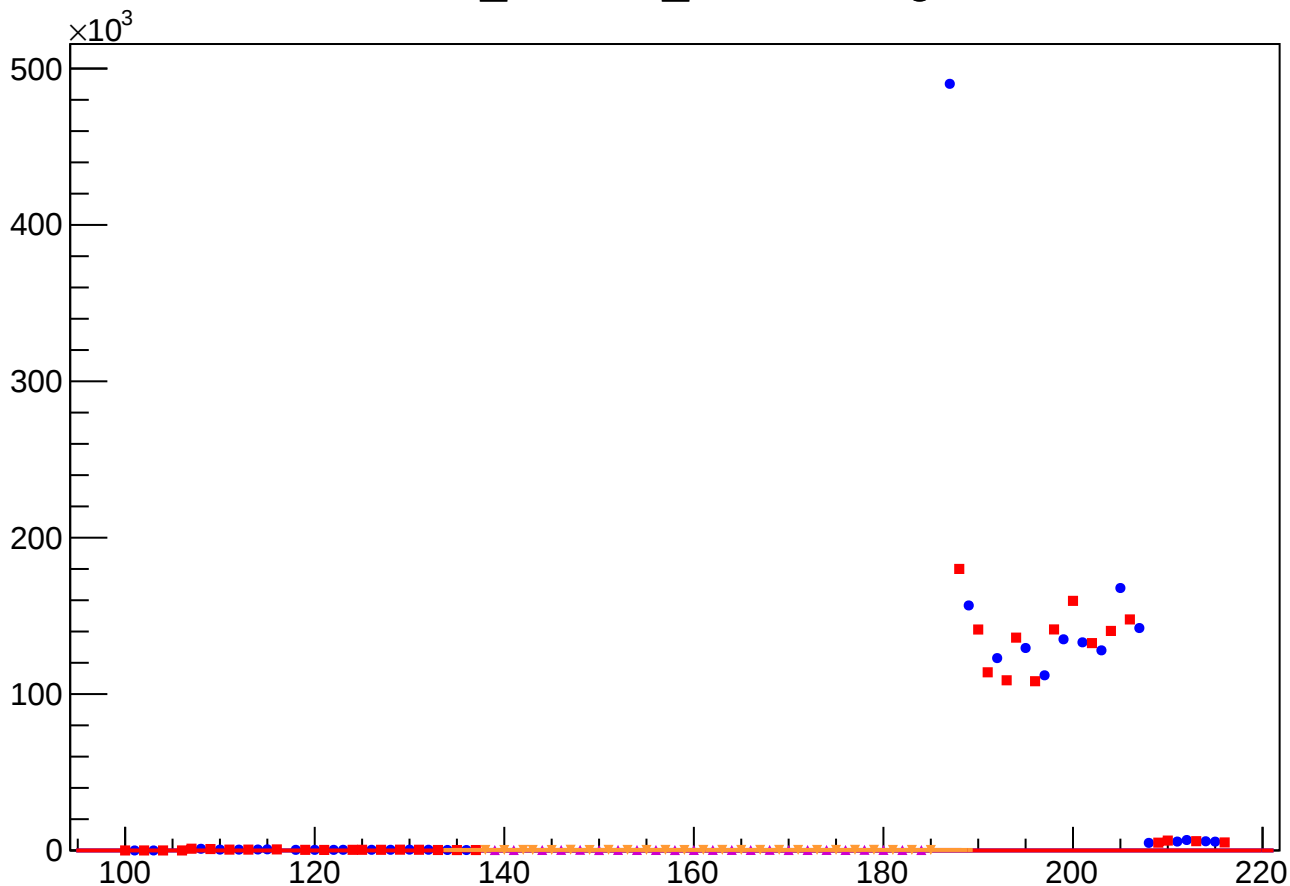
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF:34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 49.7/56

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 137.4/114

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 87.6/57

diff_cav4dY_rms vs Slug



Right In: 1.702 $\pm$ 0.001 χ^2 /NDF: 32017854.9/31

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

Right Out: 1.730 $\pm$ 0.001 χ^2 /NDF: 31231156.5/33

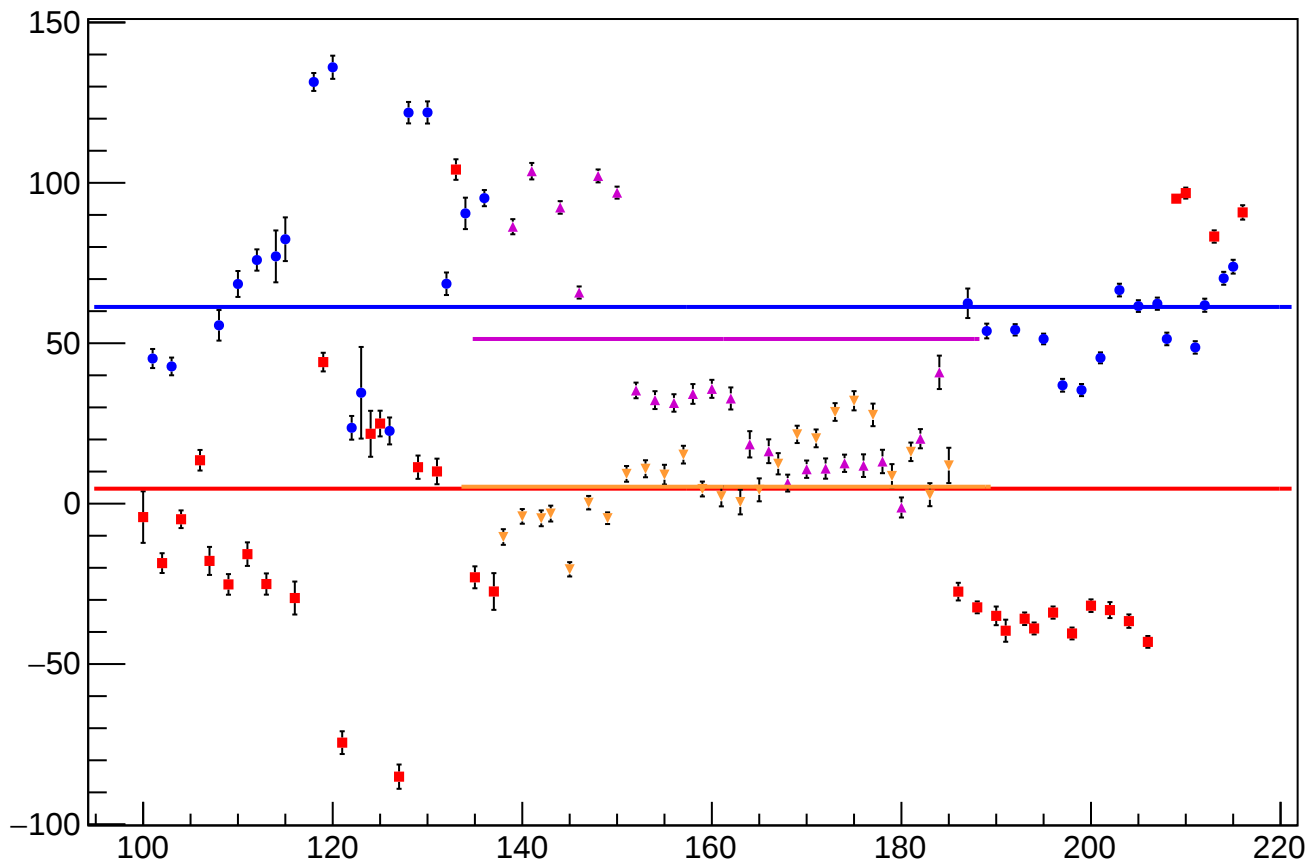
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF:413350.0/22

+ sign 1.929 $\pm$ 0.001 χ^2 /NDF: 68229162.1/56

All: 1.927 $\pm$ 0.001 χ^2 /NDF: 133597817.2/113

- sign 1.926 $\pm$ 0.001 χ^2 /NDF: 65368653.0/56

diff_bpm0i01X_mean vs Slug



Right In: 61.312 $\pm$ 0.442 χ^2 /NDF: 2836.4/31

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

Right Out: 4.667 $\pm$ 0.427 χ^2 /NDF: 17932.4/34

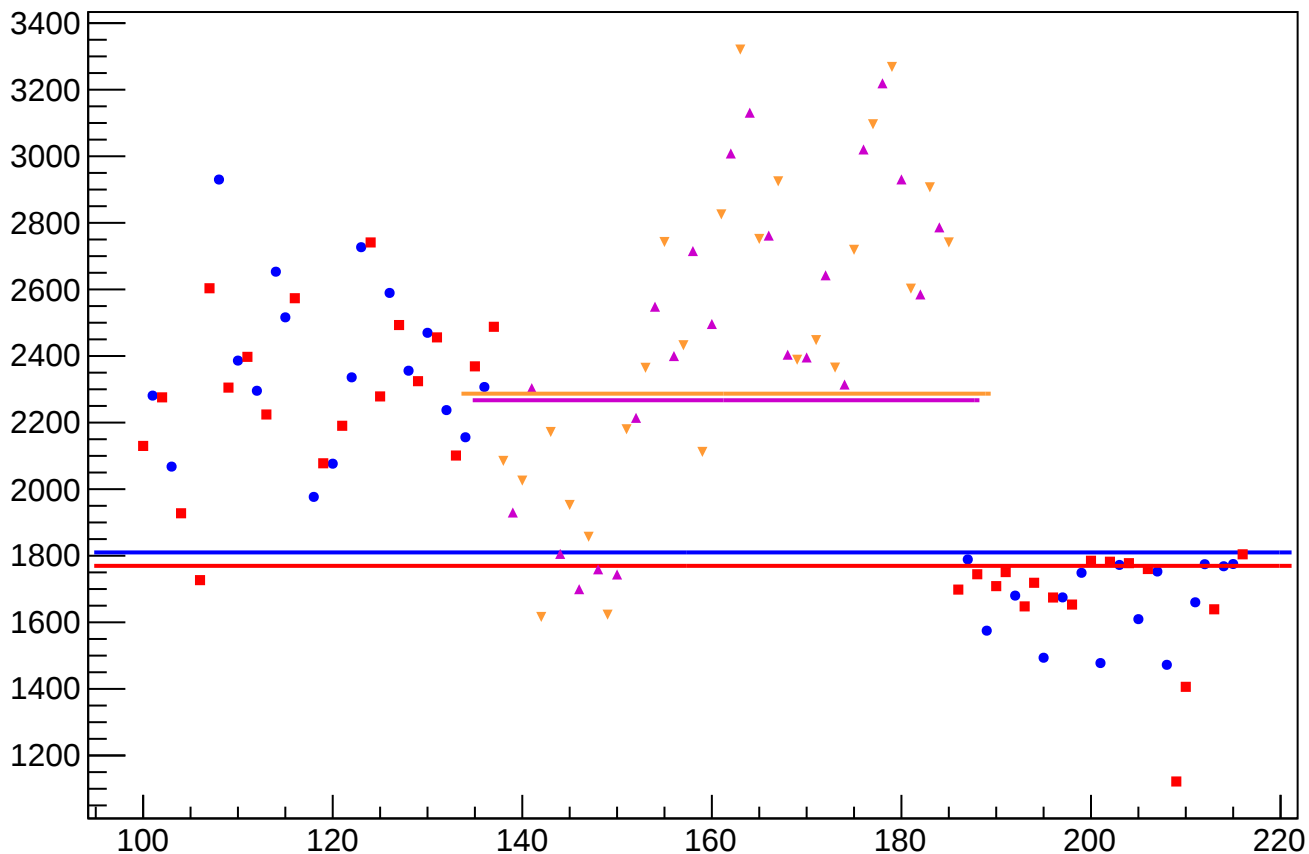
Left In: 51.328 $\pm$ 0.558 χ^2 /NDF: 4257.8/22

+ sign 39.033 $\pm$ 0.343 χ^2 /NDF: 9780.6/56

All: 30.362 $\pm$ 0.241 χ^2 /NDF: 37639.8/114

- sign 21.888 $\pm$ 0.339 χ^2 /NDF: 26596.5/57

diff_bpm0i01X_rms vs Slug



Right In: 1809.973 $\pm$ 0.313 χ^2 /NDF: 974491.9/31

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

Right Out: 1769.633 $\pm$ 0.302 χ^2 /NDF: 1357709.0/34

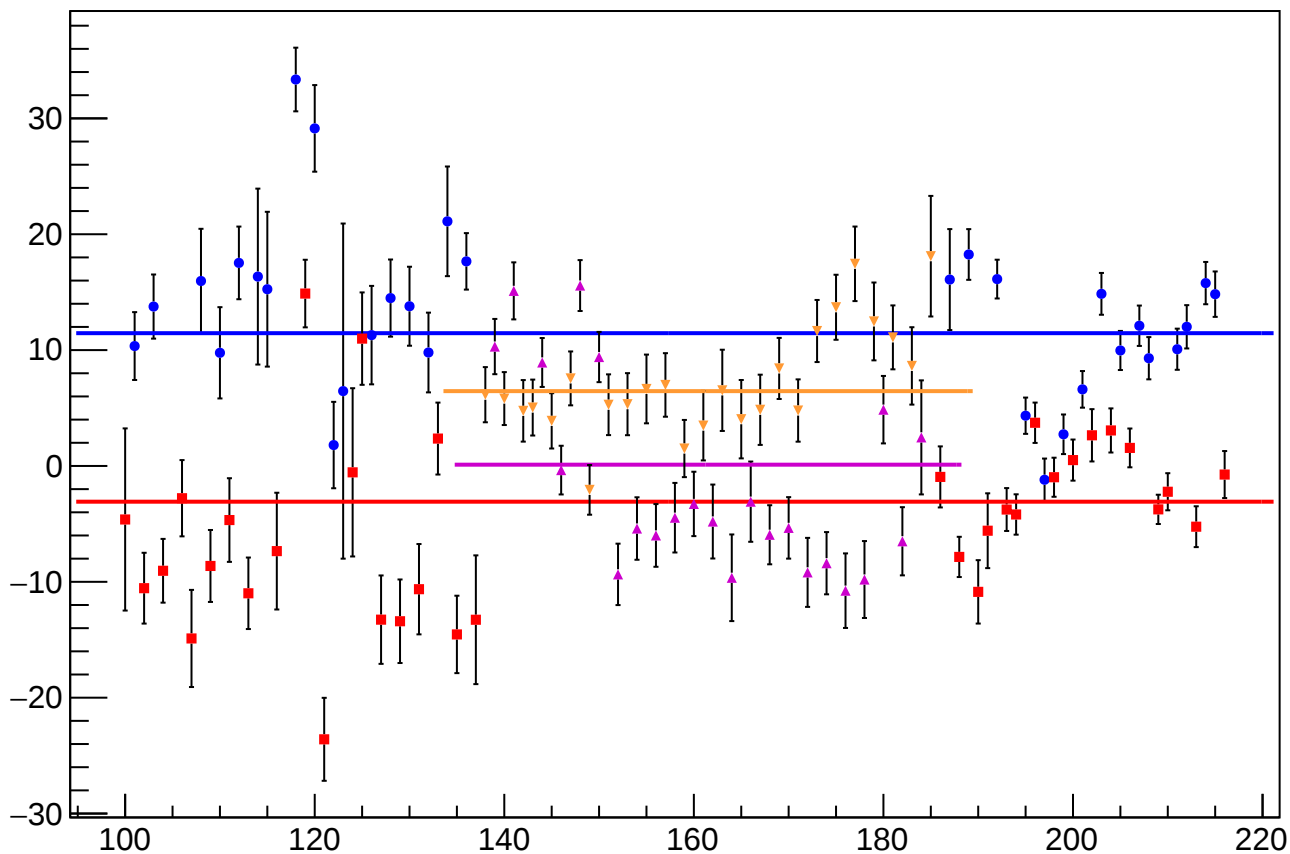
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 1999.577 $\pm$ 0.243 χ^2 /NDF: 3260328.8/56

All: 1976.135 $\pm$ 0.171 χ^2 /NDF: 6951530.9/11

- sign 1953.226 $\pm$ 0.240 χ^2 /NDF: 3672744.3/57

diff_bpm0i01Y_mean vs Slug



Right In: 11.461 $\pm$ 0.414 χ^2 /NDF: 249.0/31

Left Out: 6.458 $\pm$ 0.548 χ^2 /NDF: 58.7/24

Right Out: -3.083 $\pm$ 0.402 χ^2 /NDF: 216.3/34

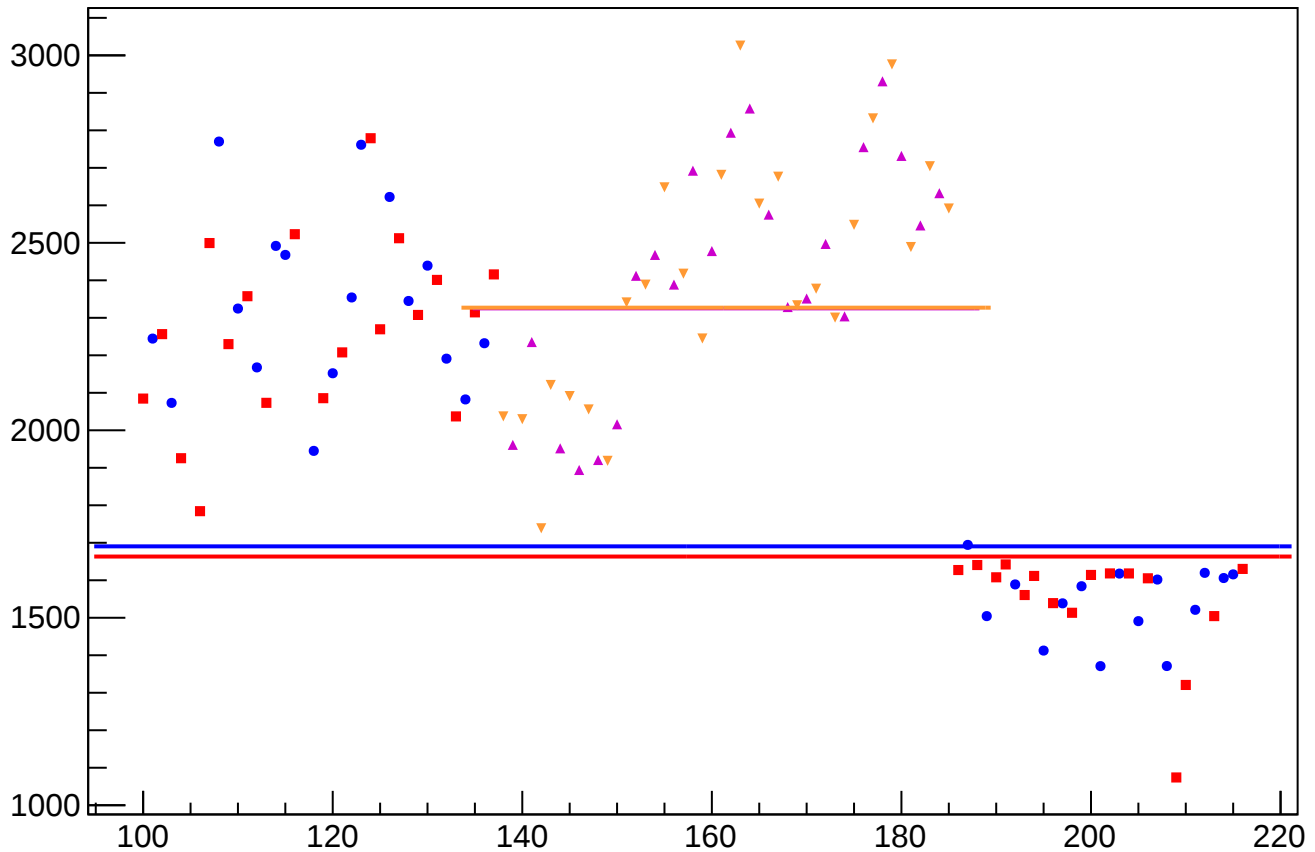
Left In: 0.110 $\pm$ 0.565 χ^2 /NDF: 234.6/22

+ sign 9.641 $\pm$ 0.330 χ^2 /NDF: 360.8/56

All: 3.771 $\pm$ 0.233 χ^2 /NDF: 1459.9/114

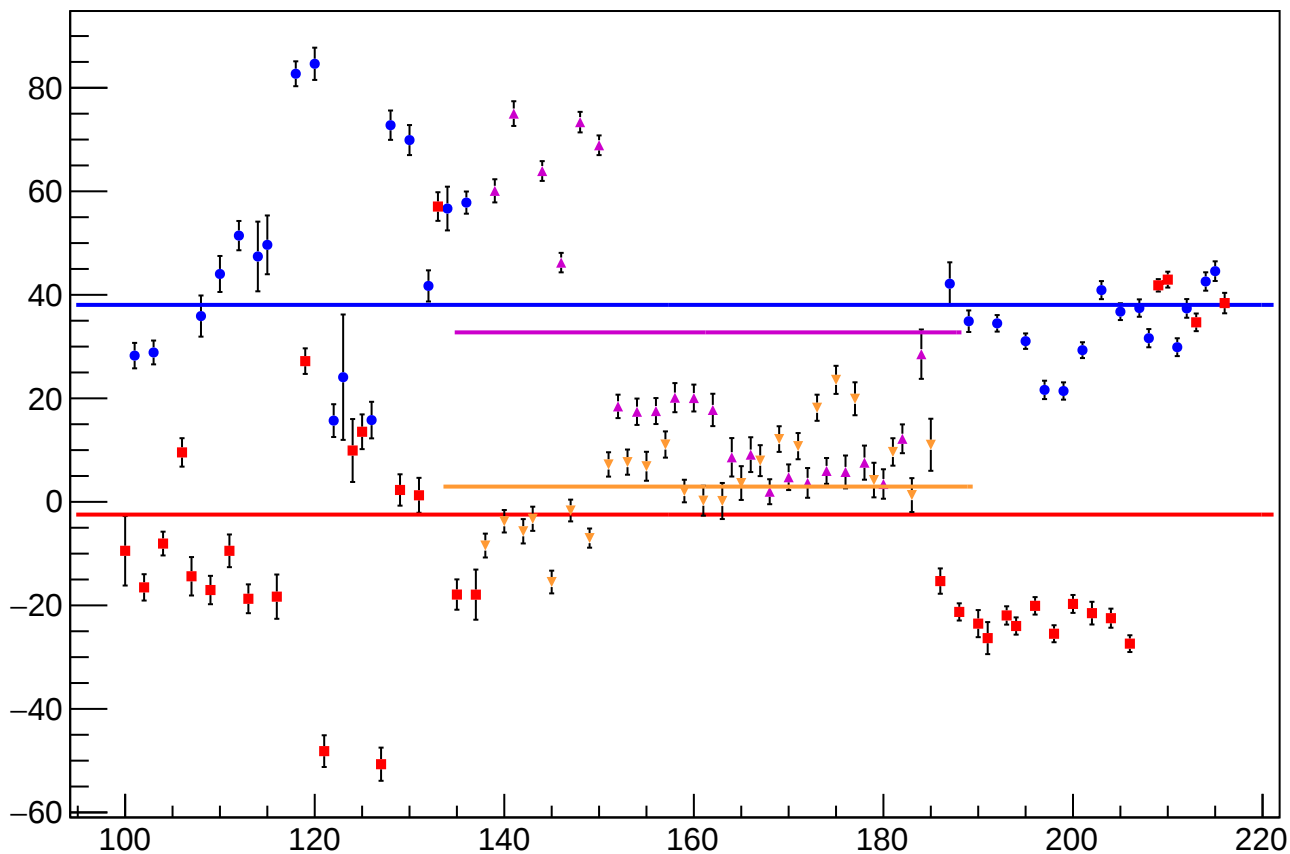
- sign -2.009 $\pm$ 0.328 χ^2 /NDF: 472.0/57

diff_bpm0i01Y_rms vs Slug



Right In: 1690.457 $\pm$ 0.293 χ^2 /NDF: 1233142.9/31
 Left Out: 2327.044 $\pm$ 0.387 χ^2 /NDF: 646706.7/24
 Right Out: 1663.291 $\pm$ 0.284 χ^2 /NDF: 1557832.1/34
 Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22
 + sign 1922.046 $\pm$ 0.234 χ^2 /NDF: 3599650.4/56
 All: 1903.810 $\pm$ 0.164 χ^2 /NDF: 7601087.3/11
 - sign 1885.855 $\pm$ 0.232 χ^2 /NDF: 3989336.0/57

diff_bpm0i01aX_mean vs Slug



Right In: 38.058 ± 0.389 χ^2/NDF : 1405.1/31

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

Right Out: -2.457 ± 0.376 χ^2/NDF : 5820.1/34

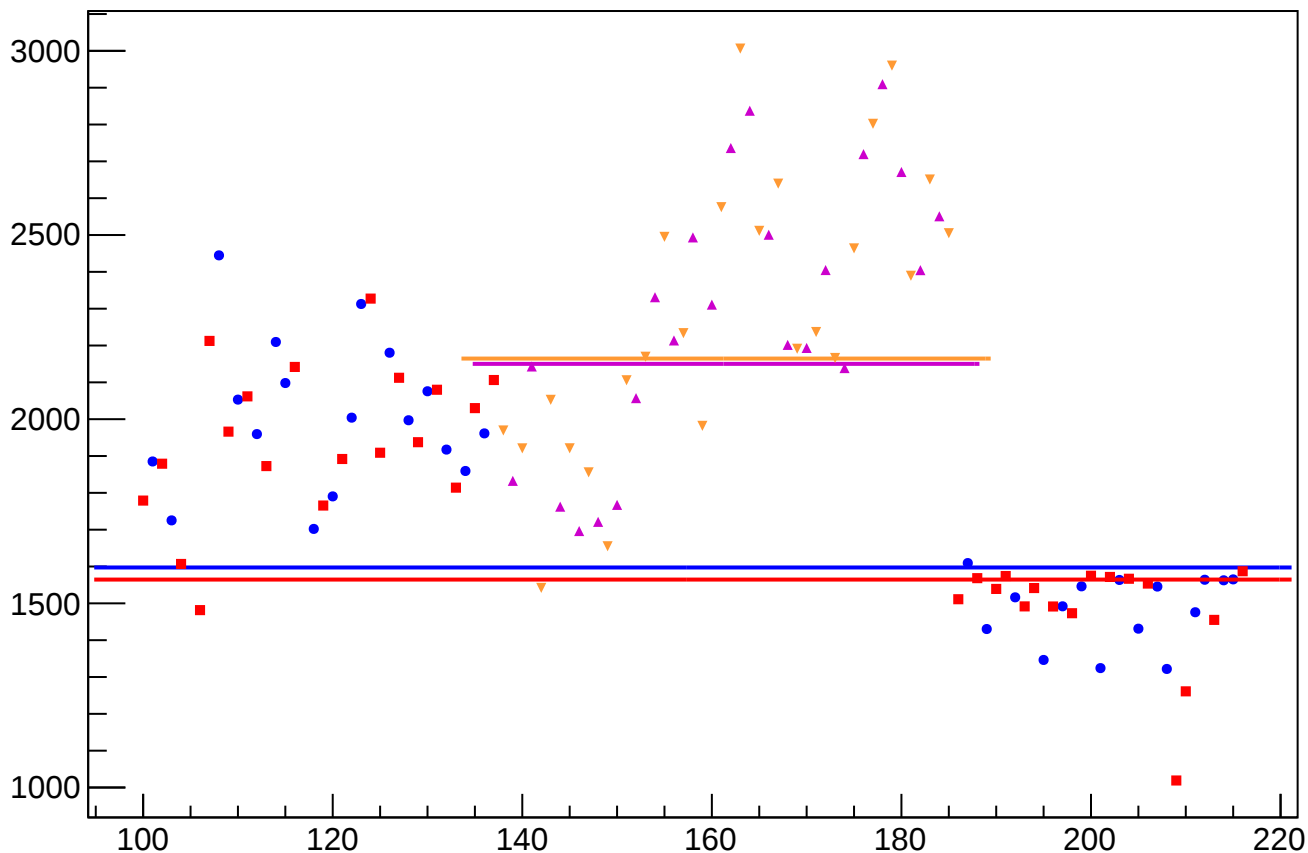
Left In: 32.745 ± 0.526 χ^2/NDF : 2632.5/22

+ sign 25.227 ± 0.309 χ^2/NDF : 4726.8/56

All: 17.240 ± 0.218 χ^2/NDF : 17459.7/114

- sign 9.439 ± 0.306 χ^2/NDF : 11416.5/57

diff_bpm0i01aX_rms vs Slug



Right In: 1597.390+/-0.275 χ^2/NDF : 743551.3/31

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

Right Out: 1564.549+/-0.266 χ^2/NDF : 1081105.9/34

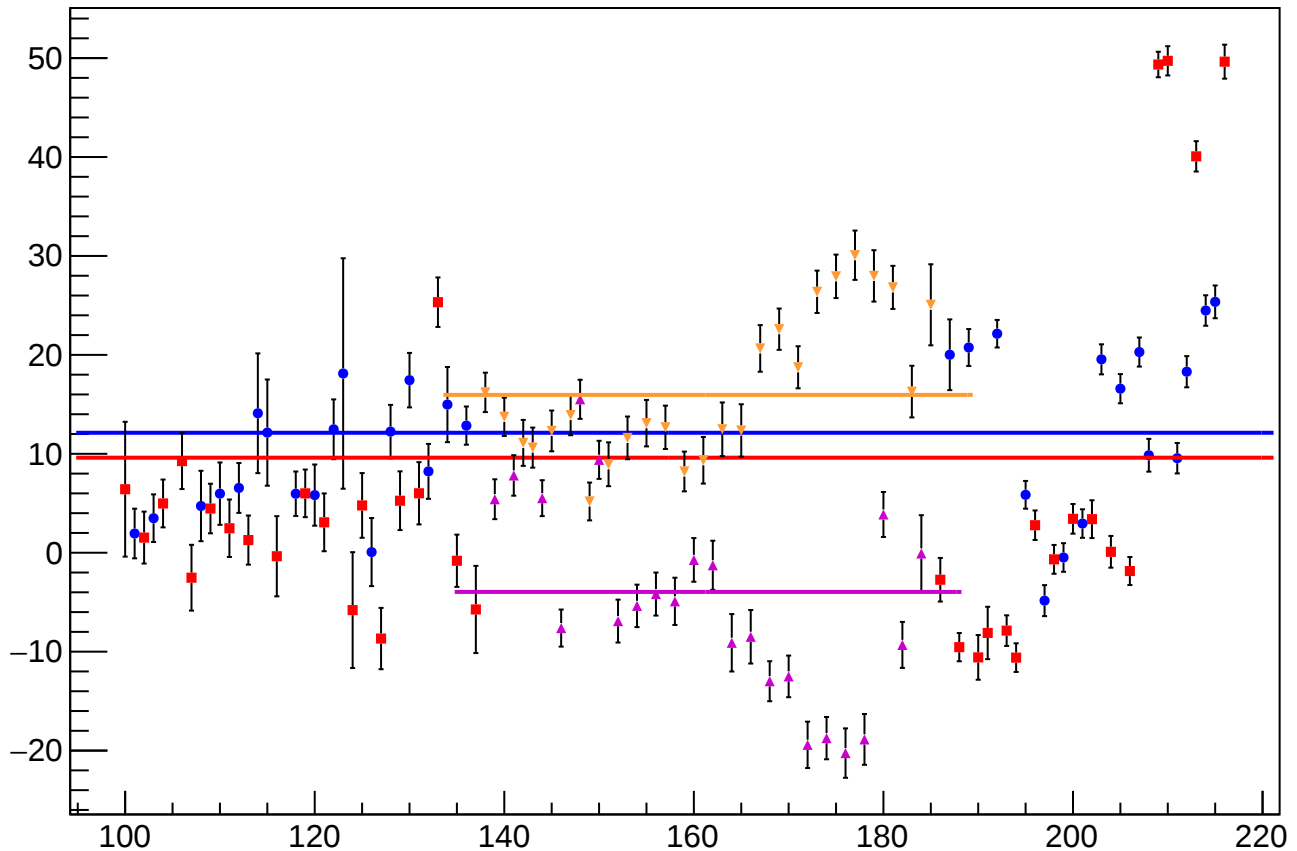
Left In: 2150.190+/-0.372 χ^2/NDF : 911849.7/22

+ sign 1804.698+/-0.219 χ^2/NDF : 3266883.3/56

All: 1783.330+/-0.154 χ^2/NDF : 6919336.3/11

- sign 1762.462+/-0.216 χ^2/NDF : 3633608.6/57

diff_bpm0i01aY_mean vs Slug



Right In: 12.127 ± 0.352 $\chi^2/\text{NDF}: 616.3/31$

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

Right Out: 9.608 ± 0.345 $\chi^2/\text{NDF}: 3657.4/34$

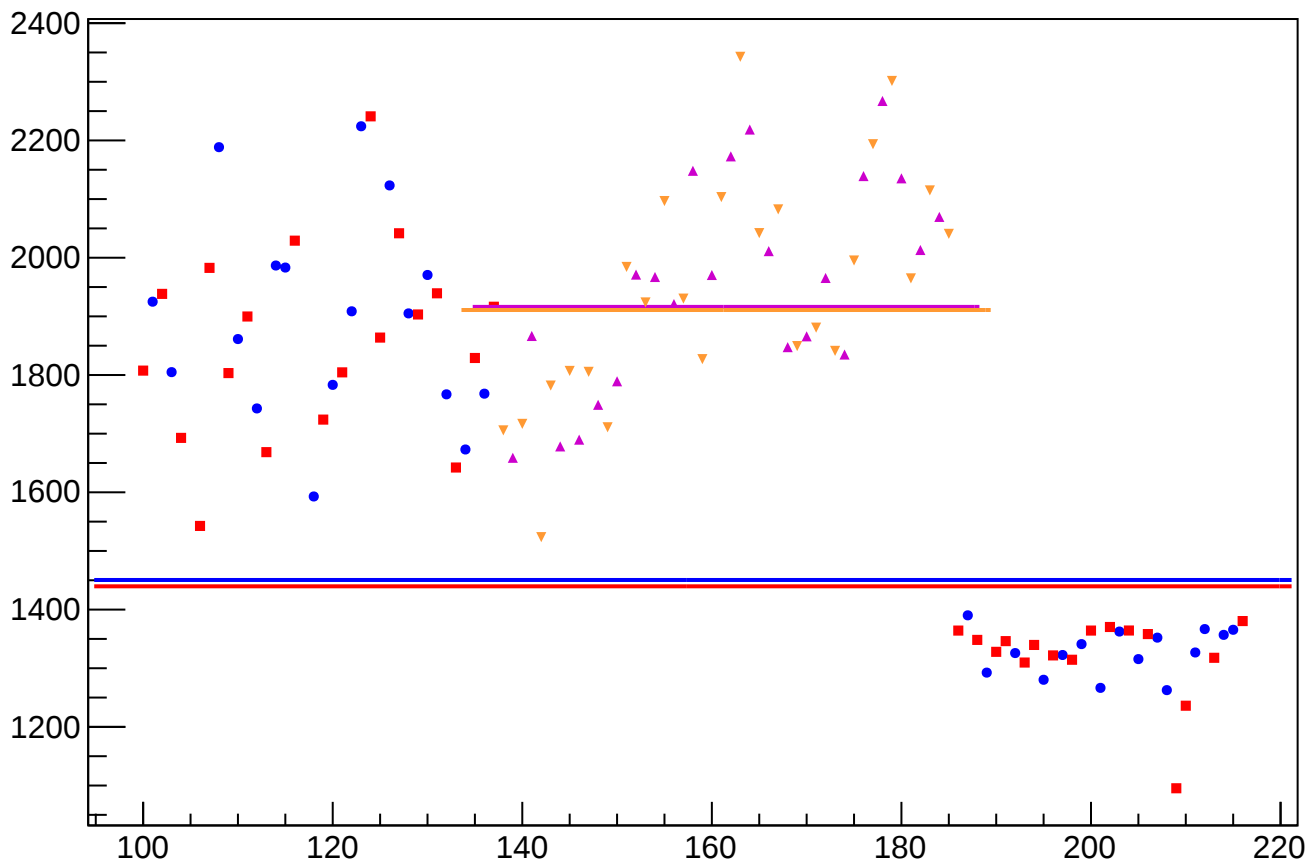
Left In: -3.960 ± 0.463 $\chi^2/\text{NDF}: 464.9/22$

+ sign 13.593 ± 0.277 $\chi^2/\text{NDF}: 906.7/56$

All: 9.174 ± 0.196 $\chi^2/\text{NDF}: 6090.7/114$

- sign 4.769 ± 0.276 $\chi^2/\text{NDF}: 4675.2/57$

diff_bpm0i01aY_rms vs Slug



Right In: 1450.499 $\pm$ 0.249 χ^2 /NDF: 881372.9/31

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

Right Out: 1439.690 $\pm$ 0.244 χ^2 /NDF: 975537.2/34

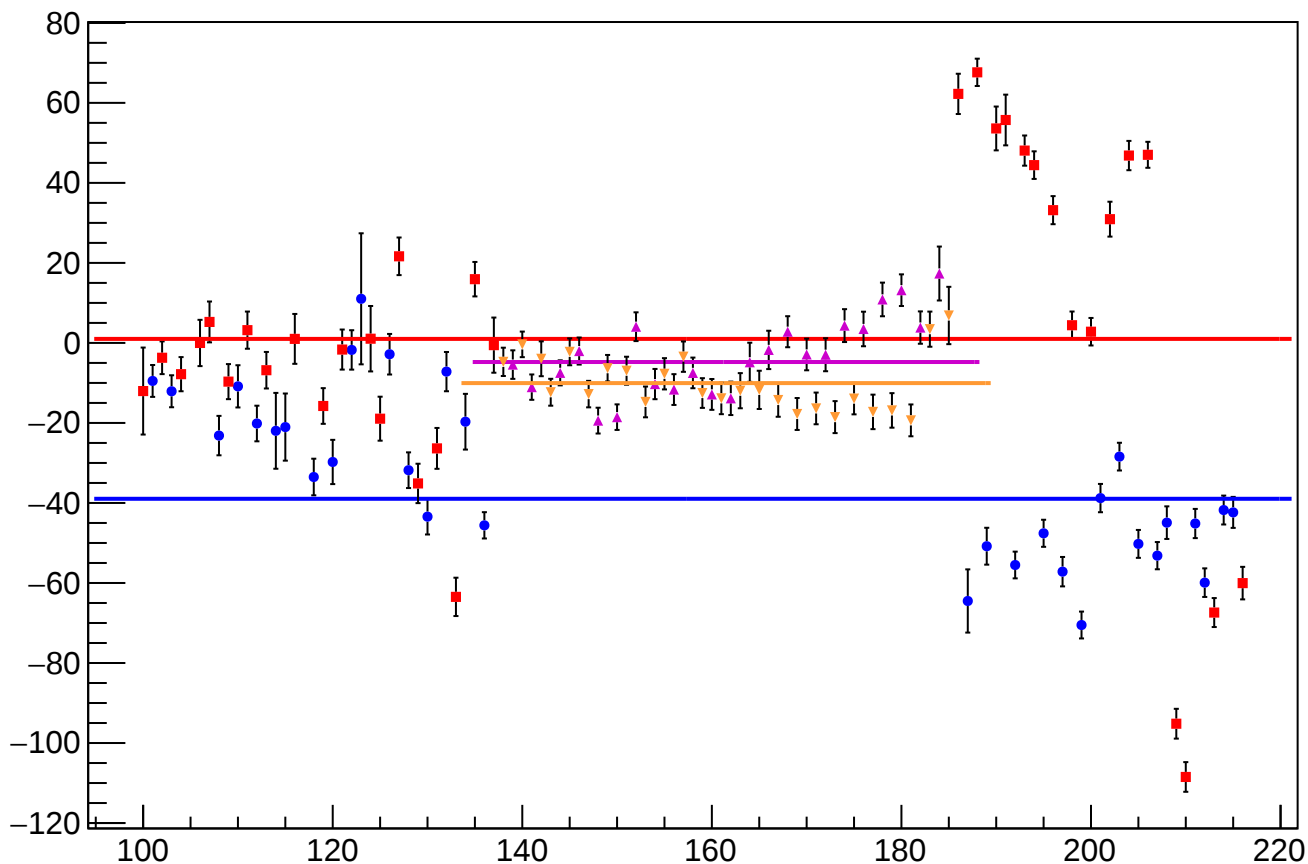
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF:274285.3/22

+ sign 1626.756 $\pm$ 0.196 χ^2 /NDF: 2517110.8/56

All: 1618.175 $\pm$ 0.138 χ^2 /NDF: 5134441.5/11

- sign 1609.622 $\pm$ 0.195 χ^2 /NDF: 2613493.9/57

diff_bpm0l01X_mean vs Slug



Right In: -38.957 ± 0.748 χ^2/NDF : 581.6/31

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

Right Out: 1.006 ± 0.738 χ^2/NDF : 3959.8/34

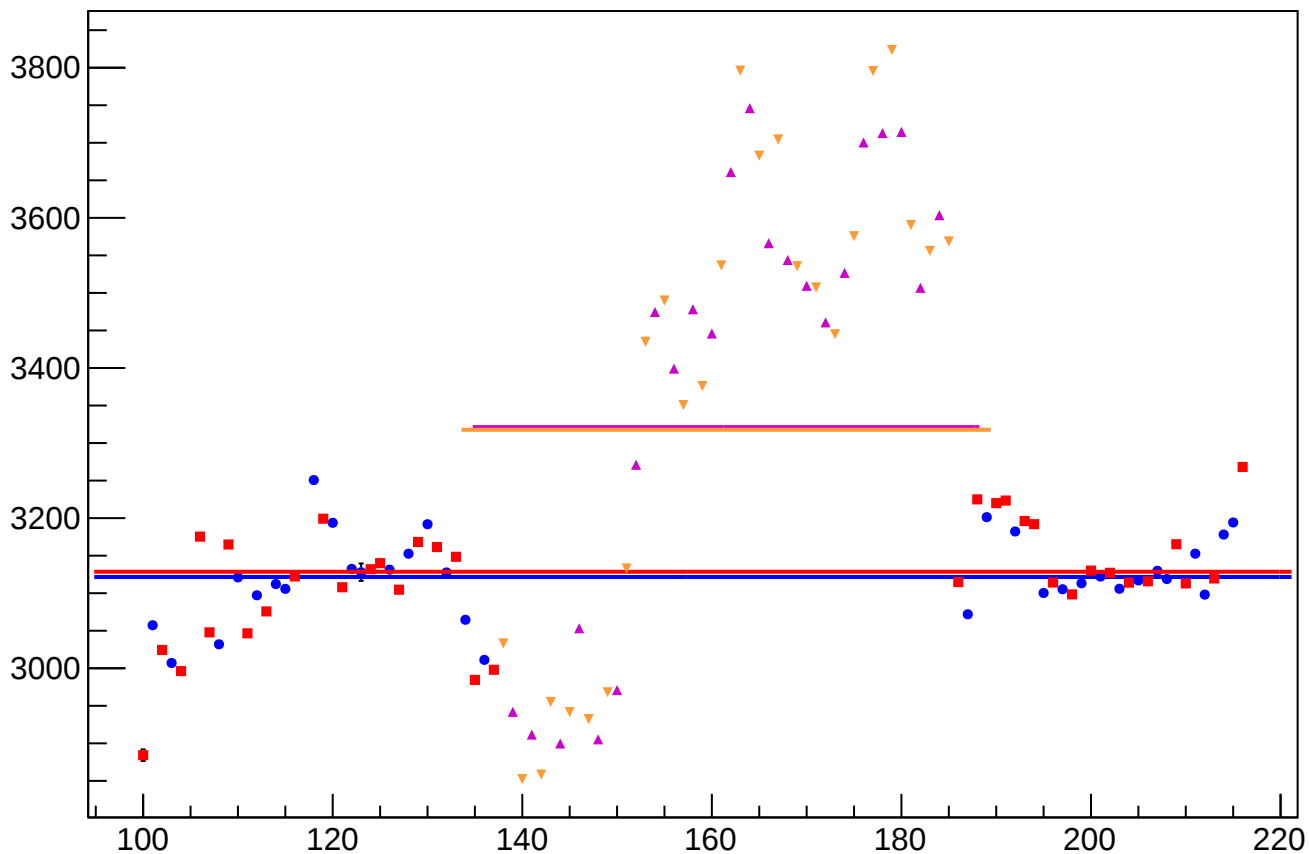
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -25.045 ± 0.538 χ^2/NDF : 1368.5/56

All: -13.433 ± 0.382 χ^2/NDF : 6421.9/114

- sign -1.648 ± 0.542 χ^2/NDF : 4116.5/57

diff_bpm0l01X_rms vs Slug



Right In: 3121.592 $\pm$ 0.529 χ^2 /NDF: 10782.8/31

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

Right Out: 3128.566 $\pm$ 0.522 χ^2 /NDF: 16474.1/34

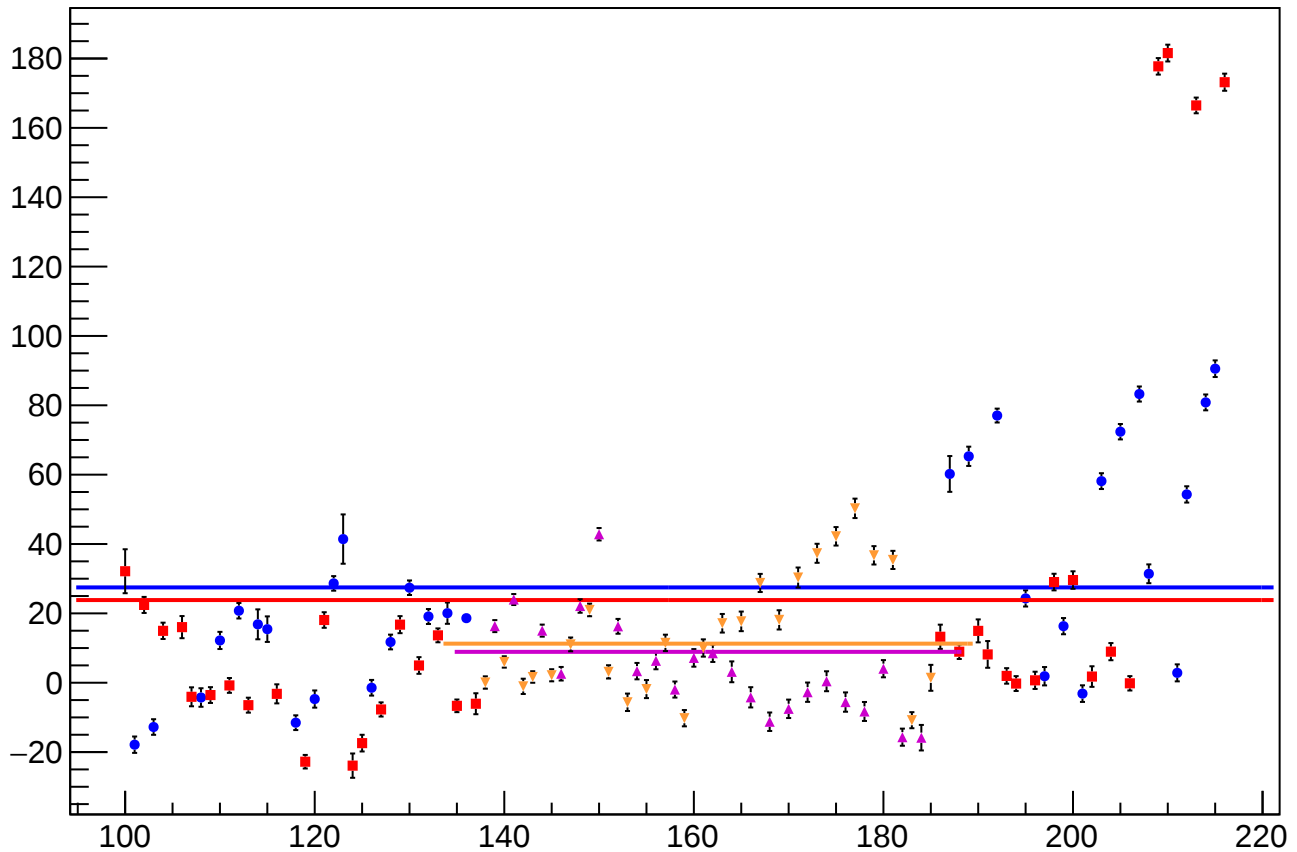
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF:284334.2/22

+ sign 3215.942 $\pm$ 0.381 χ^2 /NDF: 413878.8/56

All: 3216.502 $\pm$ 0.270 χ^2 /NDF: 777370.3/114

- sign 3217.071 $\pm$ 0.384 χ^2 /NDF: 363487.1/57

diff_bpm0l01Y_mean vs Slug



Right In: 27.486 ± 0.418 $\chi^2/\text{NDF}: 5522.2/31$

Left Out: 11.268 ± 0.454 $\chi^2/\text{NDF}: 1141.8/24$

Right Out: 23.837 ± 0.411 $\chi^2/\text{NDF}: 19132.2/34$

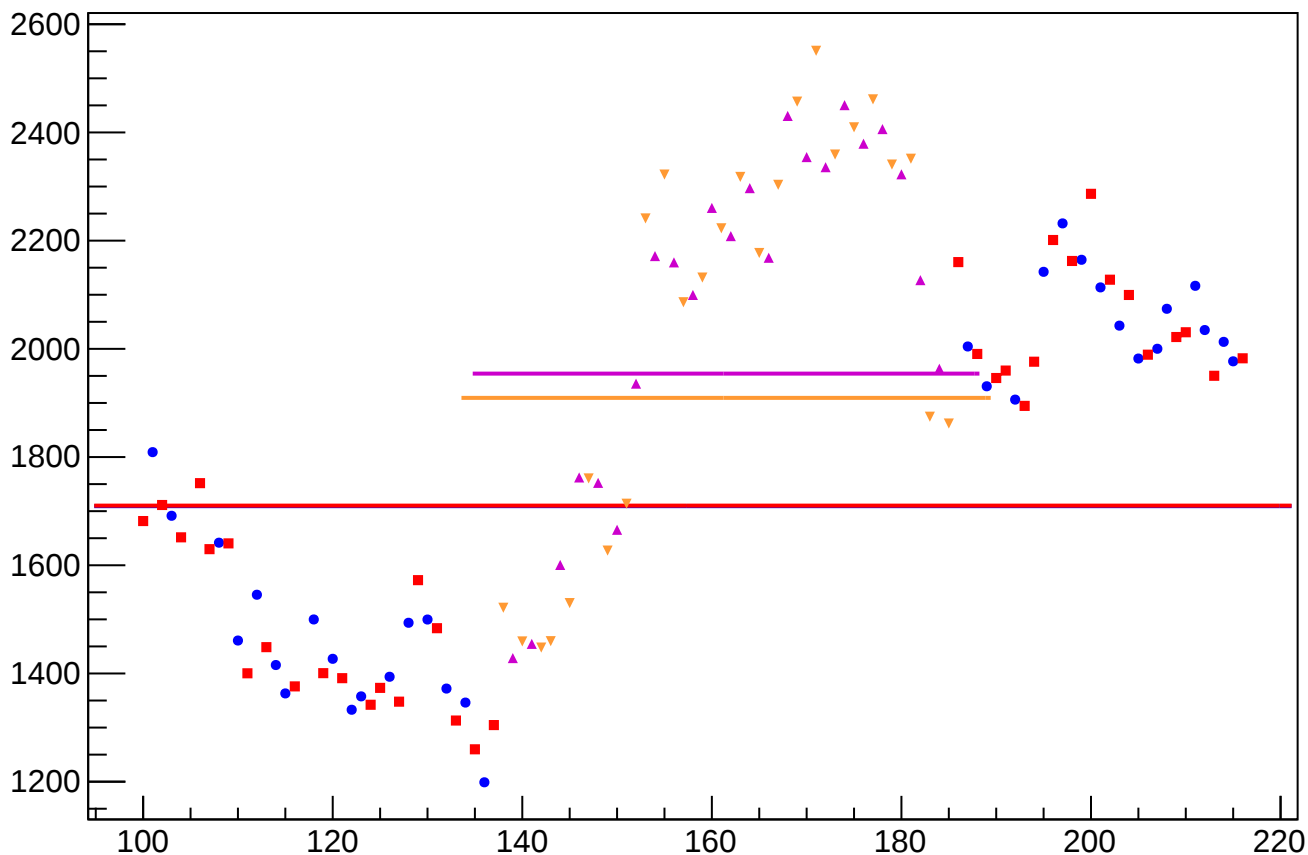
Left In: 8.905 ± 0.478 $\chi^2/\text{NDF}: 936.3/22$

+ sign 20.061 ± 0.307 $\chi^2/\text{NDF}: 7354.8/56$

All: 18.790 ± 0.219 $\chi^2/\text{NDF}: 28019.8/114$

- sign 17.486 ± 0.311 $\chi^2/\text{NDF}: 20630.4/57$

diff_bpm0l01Y_rms vs Slug



Right In: 1709.232 $\pm$ 0.295 χ^2 /NDF: 1251899.2/31

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

Right Out: 1710.248 $\pm$ 0.290 χ^2 /NDF: 1208240.1/34

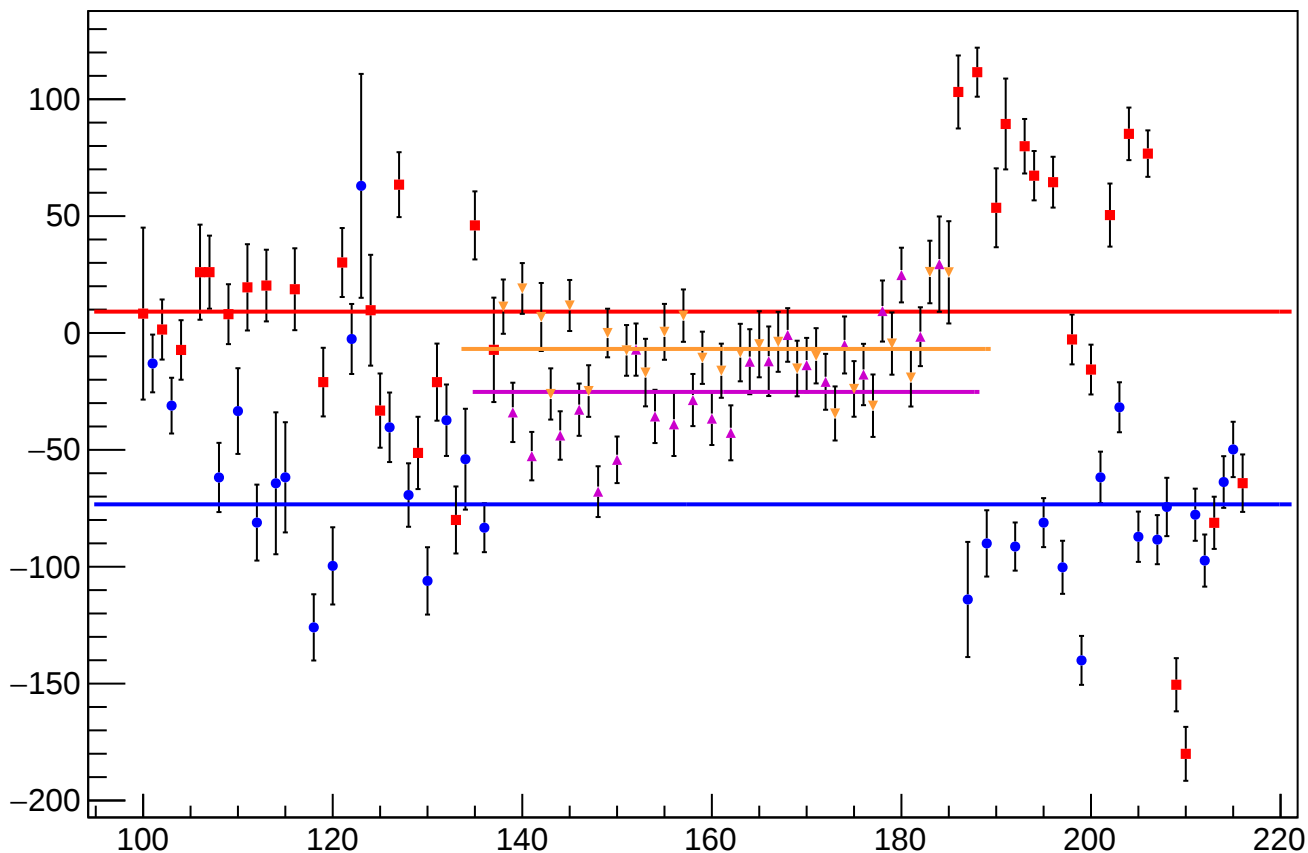
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1800.866 $\pm$ 0.217 χ^2 /NDF: 2860826.6/56

All: 1807.361 $\pm$ 0.155 χ^2 /NDF: 5415752.2/11

- sign 1814.026 $\pm$ 0.220 χ^2 /NDF: 2553116.8/57

diff_bpm0l02X_mean vs Slug



Right In: -73.310 ± 2.317 χ^2/NDF : 189.9/31

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

Right Out: 9.136 ± 2.289 χ^2/NDF : 1021.8/34

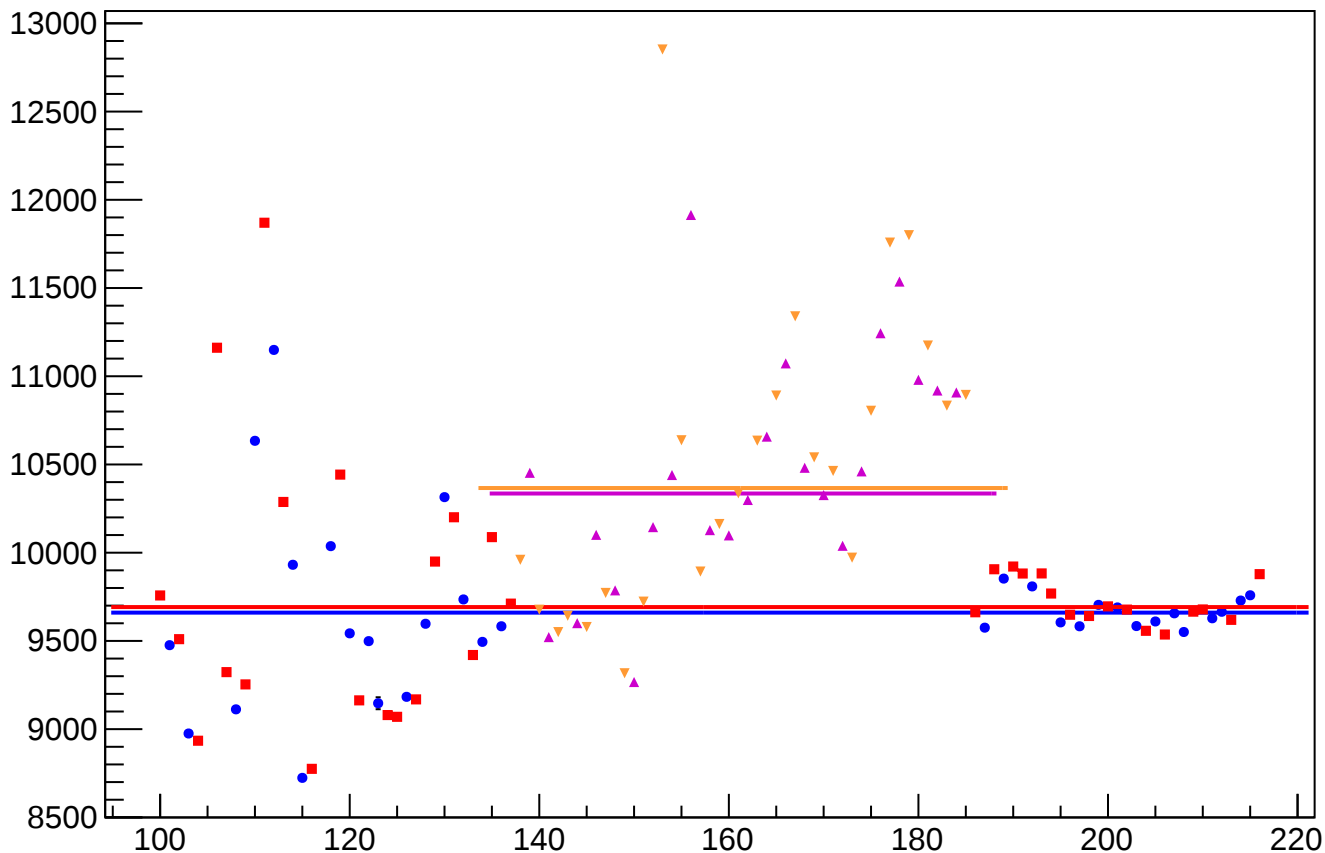
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

+ sign -41.546 ± 1.674 χ^2/NDF : 625.6/56

All: -24.188 ± 1.187 χ^2/NDF : 2056.1/114

- sign -6.624 ± 1.684 χ^2/NDF : 1214.3/57

diff_bpm0l02X_rms vs Slug



Right In: 9660.369+/-1.638 χ^2/NDF : 45562.3/31

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

Right Out: 9691.816+/-1.619 χ^2/NDF : 80900.9/34

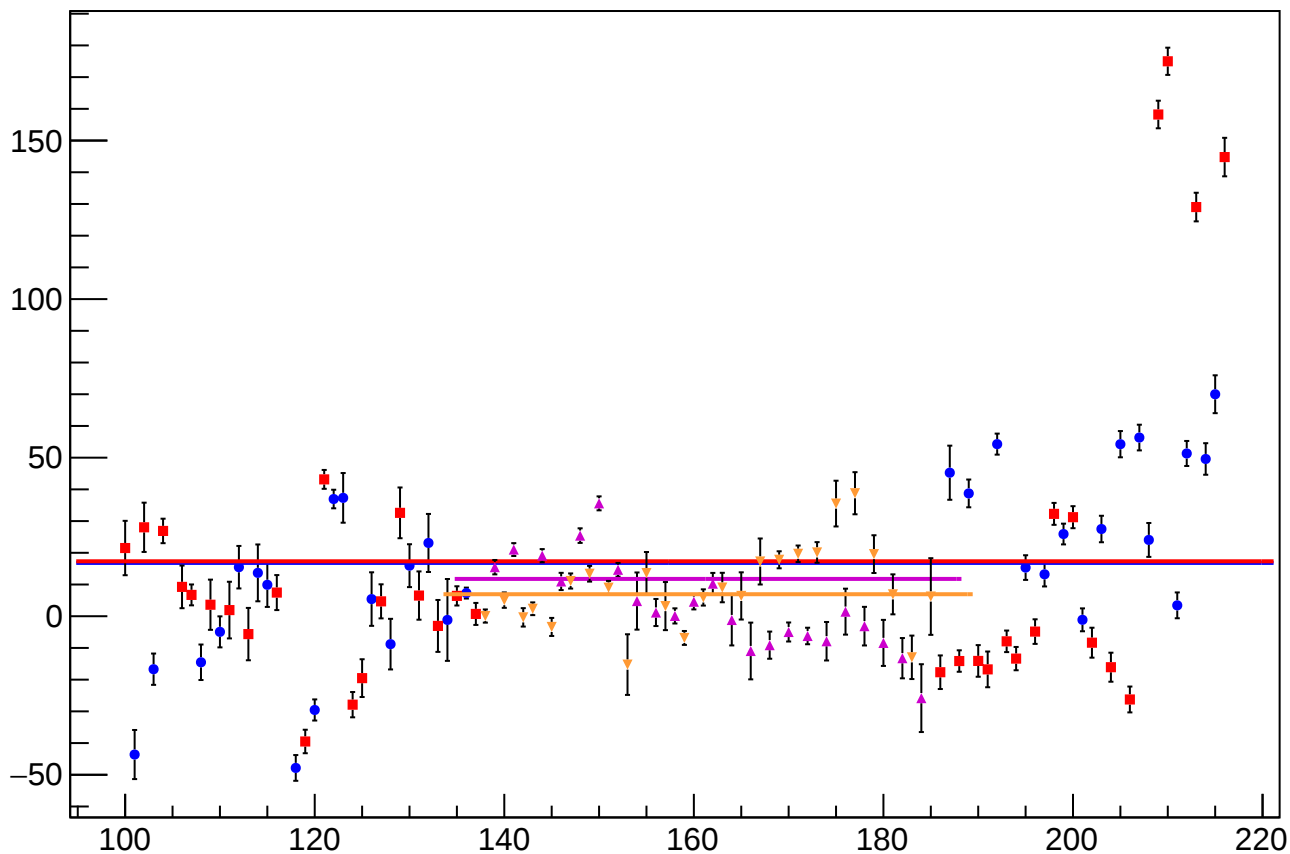
Left In: 10335.399+/-1.758 χ^2/NDF : 127173.0/22

+ sign 9997.743+/-1.184 χ^2/NDF : 345716.9/56

All: 9992.449+/-0.840 χ^2/NDF : 626338.6/114

- sign 9987.094+/-1.191 χ^2/NDF : 280581.5/57

diff_bpm0l02Y_mean vs Slug



Right In: 16.814 ± 0.757 $\chi^2/\text{NDF}: 1298.8/31$

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

Right Out: 17.326 ± 0.753 $\chi^2/\text{NDF}: 4614.3/34$

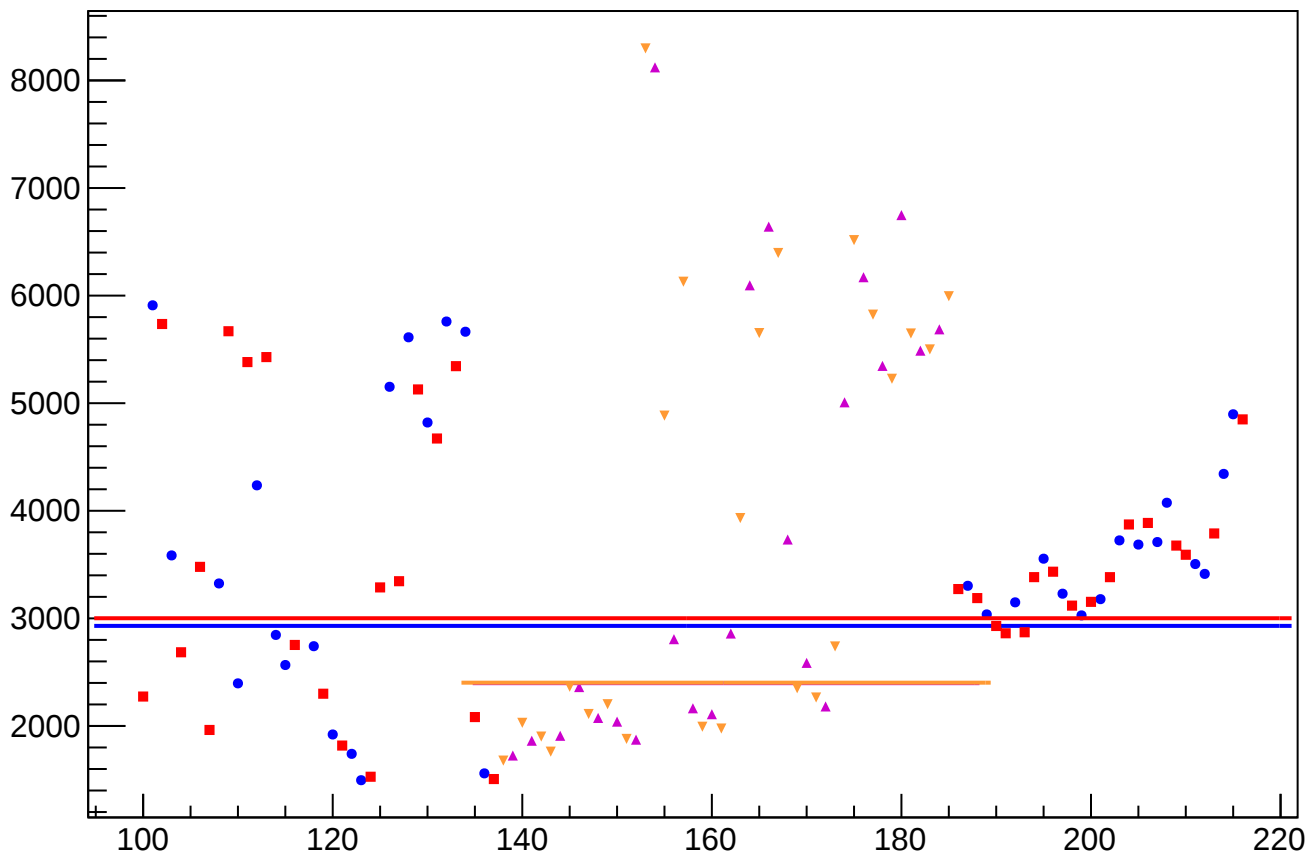
Left In: 11.766 ± 0.648 $\chi^2/\text{NDF}: 395.1/22$

+ sign 11.044 ± 0.488 $\chi^2/\text{NDF}: 1602.0/56$

All: 12.579 ± 0.346 $\chi^2/\text{NDF}: 6662.6/114$

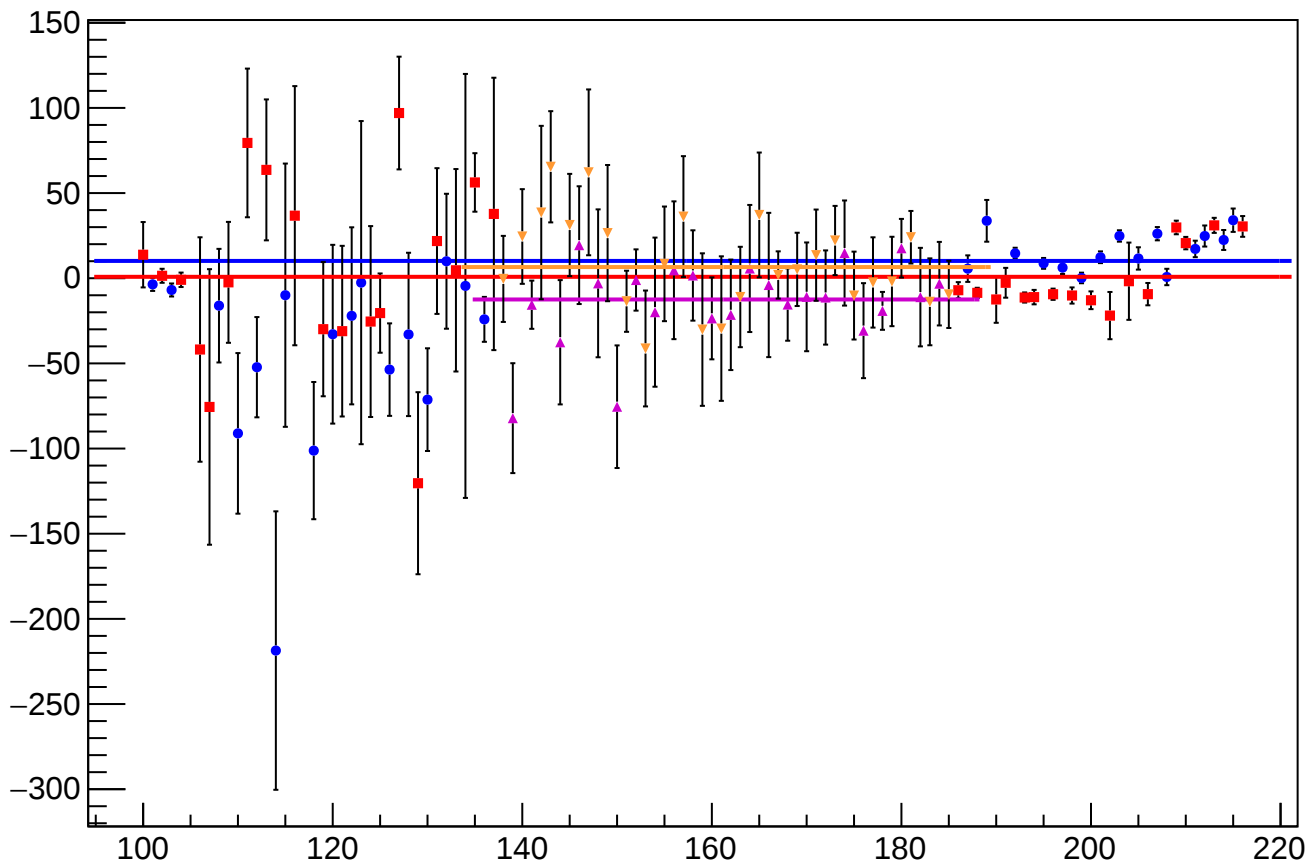
- sign 14.133 ± 0.491 $\chi^2/\text{NDF}: 5040.7/57$

diff_bpm0l02Y_rms vs Slug



Right In: 2930.184+/-0.535	χ^2/NDF : 3945599.0/31	+ sign 2621.784+/-0.345	χ^2/NDF : 10859314.8/56
Left Out: 2402.359+/-0.452	χ^2/NDF : 6345982.8/24	All: 2638.103+/-0.245	χ^2/NDF : 20241682.7/1
Right Out: 3001.251+/-0.532	χ^2/NDF : 3241160.8/34	- sign 2654.629+/-0.347	χ^2/NDF : 9377871.1/57
Left In: 2397.701+/-0.458	χ^2/NDF : 5398920.1/22		

diff_bpm0l03X_mean vs Slug



Right In: 10.162 ± 1.020 $\chi^2/\text{NDF}: 161.4/31$

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

Right Out: 0.834 ± 1.059 $\chi^2/\text{NDF}: 251.9/34$

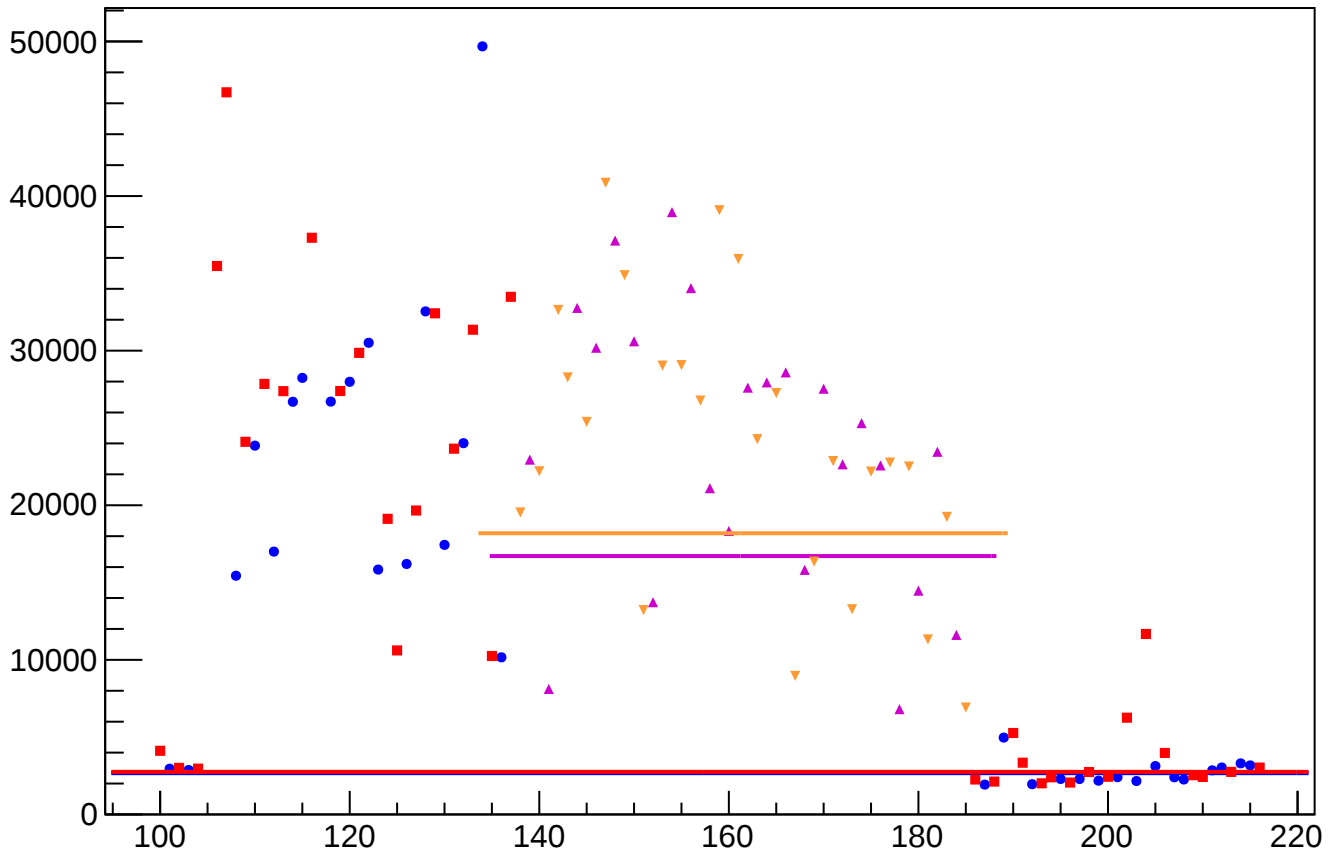
Left In: -12.469 ± 5.025 $\chi^2/\text{NDF}: 15.4/22$

+ sign 10.023 ± 1.000 $\chi^2/\text{NDF}: 178.6/56$

All: 5.322 ± 0.720 $\chi^2/\text{NDF}: 498.5/114$

- sign 0.268 ± 1.037 $\chi^2/\text{NDF}: 274.0/57$

diff_bpm0l03X_rms vs Slug



Right In: 2671.015+/-0.721 χ^2/NDF : 7046749.2/31

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

Right Out: 2755.674+/-0.749 χ^2/NDF : 9083984.6/34

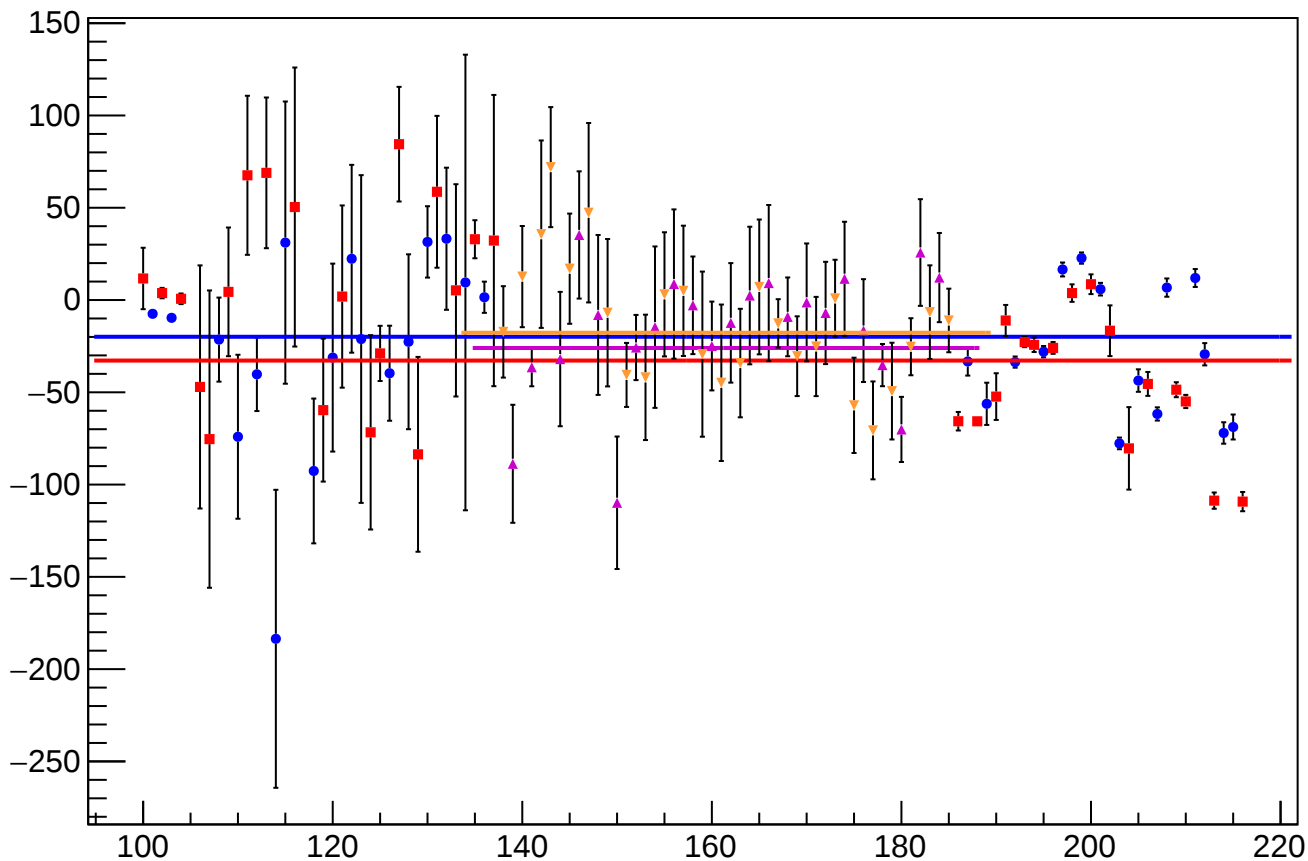
Left In: 16713.653+/-3.553 χ^2/NDF : 6194178.8/22

+ sign 3272.475+/-0.707 χ^2/NDF : 30268823.0/56

All: 3309.622+/-0.509 χ^2/NDF : 60325813.7/100

- sign 3349.571+/-0.733 χ^2/NDF : 30051257.9/57

diff_bpm0l03Y_mean vs Slug



Right In: -19.909 ± 0.918 χ^2/NDF : 1143.9/31

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

Right Out: -32.794 ± 0.954 χ^2/NDF : 1305.3/34

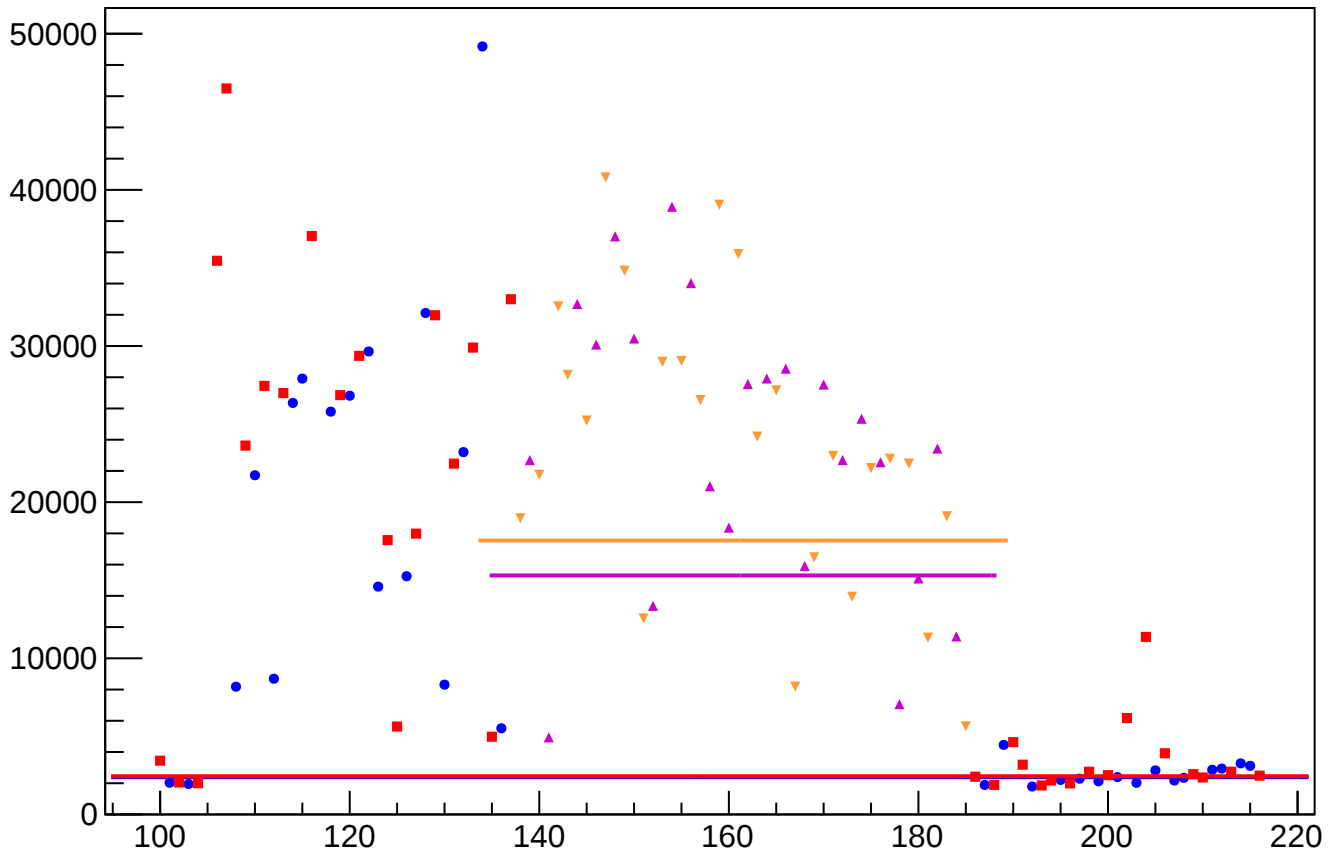
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -19.837 ± 0.903 χ^2/NDF : 1171.2/56

All: -25.964 ± 0.650 χ^2/NDF : 2606.5/114

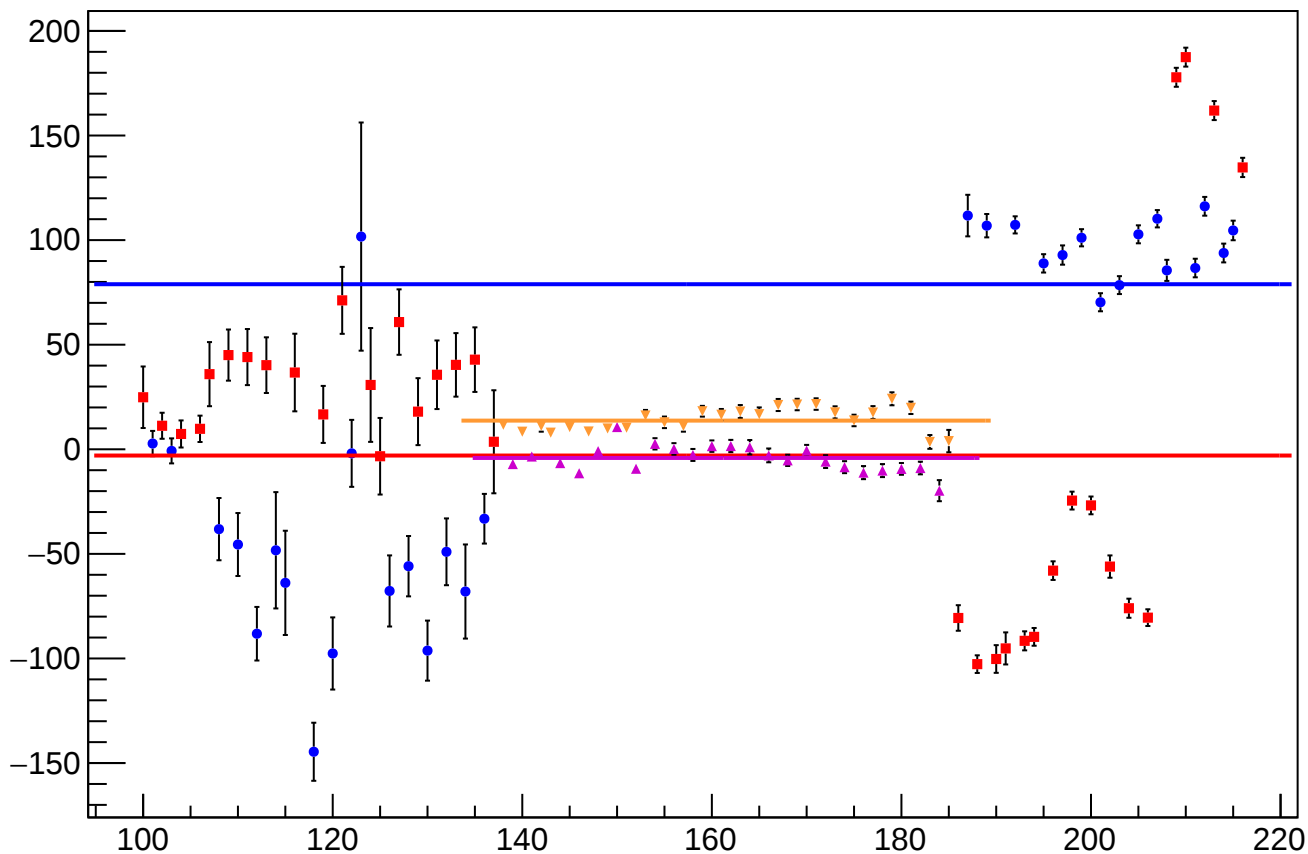
- sign -32.534 ± 0.935 χ^2/NDF : 1339.9/57

diff_bpm0l03Y_rms vs Slug



Right In: 2387.136+/-0.649	χ^2/NDF : 5928602.0/31	+ sign 2886.853+/-0.639	χ^2/NDF : 29793609.4/56
Left Out: 17546.173+/-3.517	χ^2/NDF : 5902620.4/24	All: 2911.410+/-0.459	χ^2/NDF : 60145762.7/1
Right Out: 2447.410+/-0.674	χ^2/NDF : 8759830.0/34	- sign 2937.740+/-0.661	χ^2/NDF : 30349089.2/57
Left In: 15305.311+/-3.386	χ^2/NDF : 7721177.0/22		

diff_bpm0l04X_mean vs Slug



Right In: 78.912 ± 1.099 χ^2/NDF : 1921.9/31

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

Right Out: -2.989 ± 1.075 χ^2/NDF : 8518.0/34

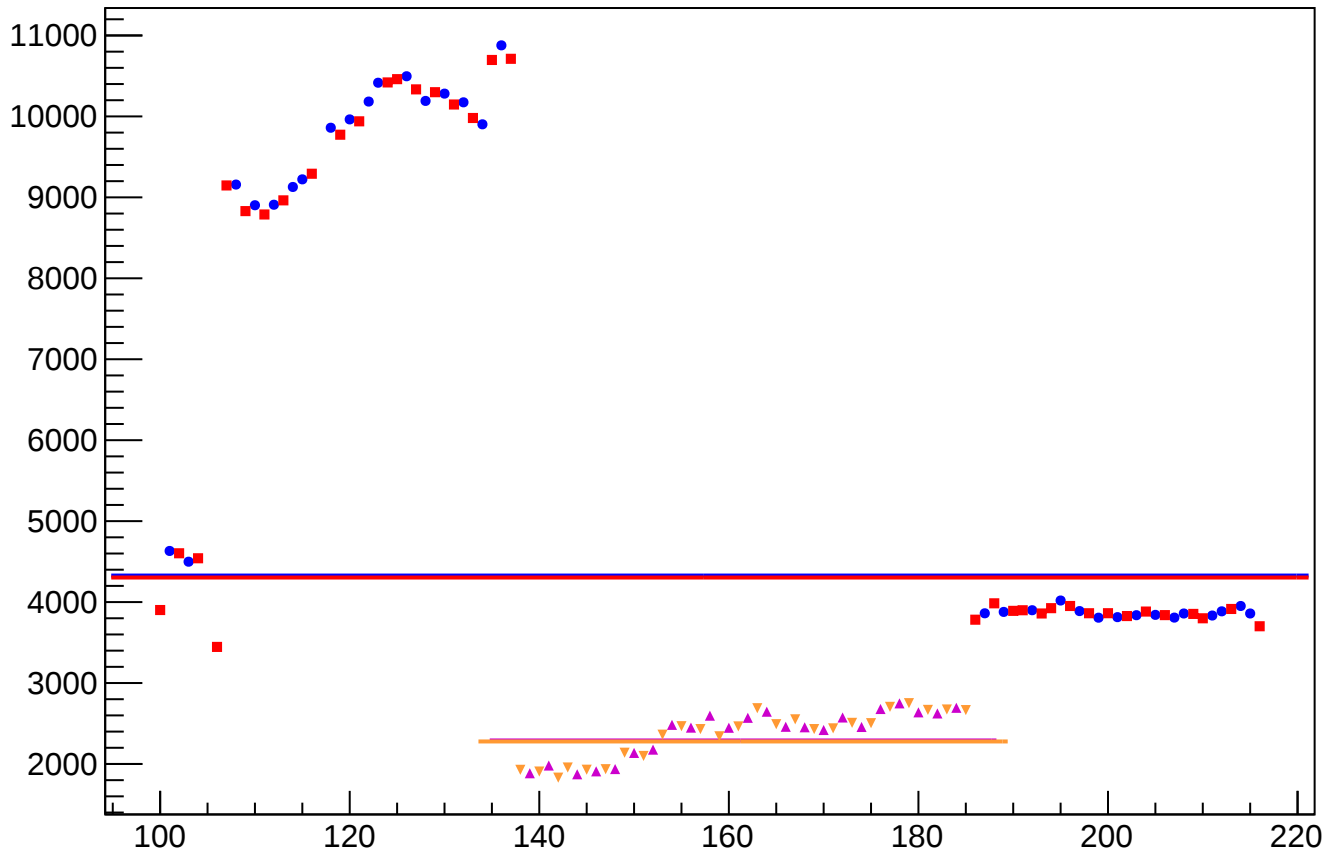
Left In: -4.141 ± 0.555 χ^2/NDF : 111.7/22

+ sign 26.212 ± 0.481 χ^2/NDF : 4857.1/56

All: 11.520 ± 0.344 χ^2/NDF : 15398.0/114

- sign -3.898 ± 0.493 χ^2/NDF : 8630.6/57

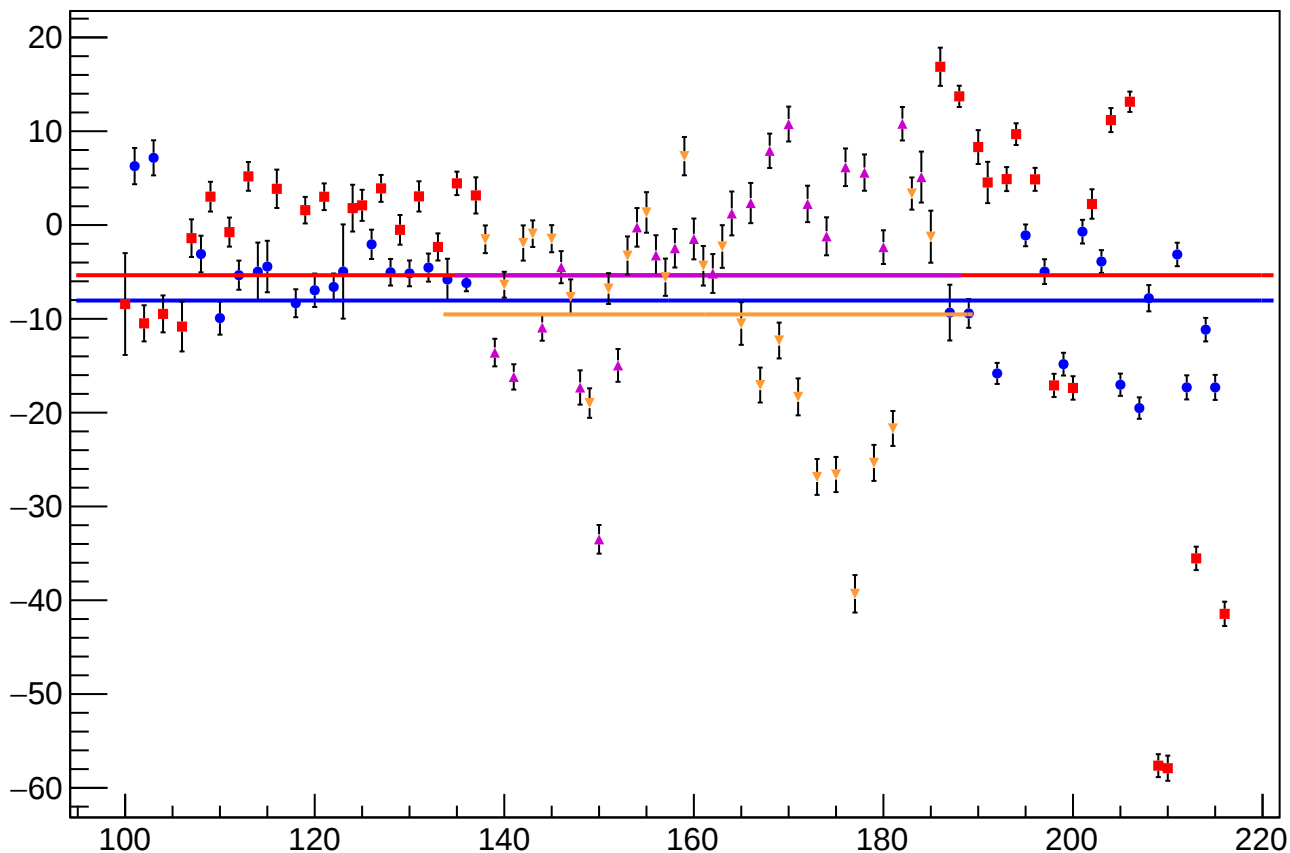
diff_bpm0l04X_rms vs Slug



Right In: 4327.739 $\pm$ 0.777 χ^2 /NDF: 3862635.8/31
 Left Out: 2278.115 $\pm$ 0.378 χ^2 /NDF: 607109.4/24
 Right Out: 4303.393 $\pm$ 0.760 χ^2 /NDF: 3903630.8/34
 Left In: 2290.461 $\pm$ 0.392 χ^2 /NDF: 590272.1/22

+ sign 2671.119 $\pm$ 0.340 χ^2 /NDF: 10092983.7/56
 All: 2692.095 $\pm$ 0.243 χ^2 /NDF: 20135706.8/1
 - sign 2714.110 $\pm$ 0.349 χ^2 /NDF: 10034934.1/57

diff_bpm0l04Y_mean vs Slug



Right In: -8.049 ± 0.254 χ^2/NDF : 617.2/31

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

Right Out: -5.349 ± 0.252 χ^2/NDF : 6539.9/34

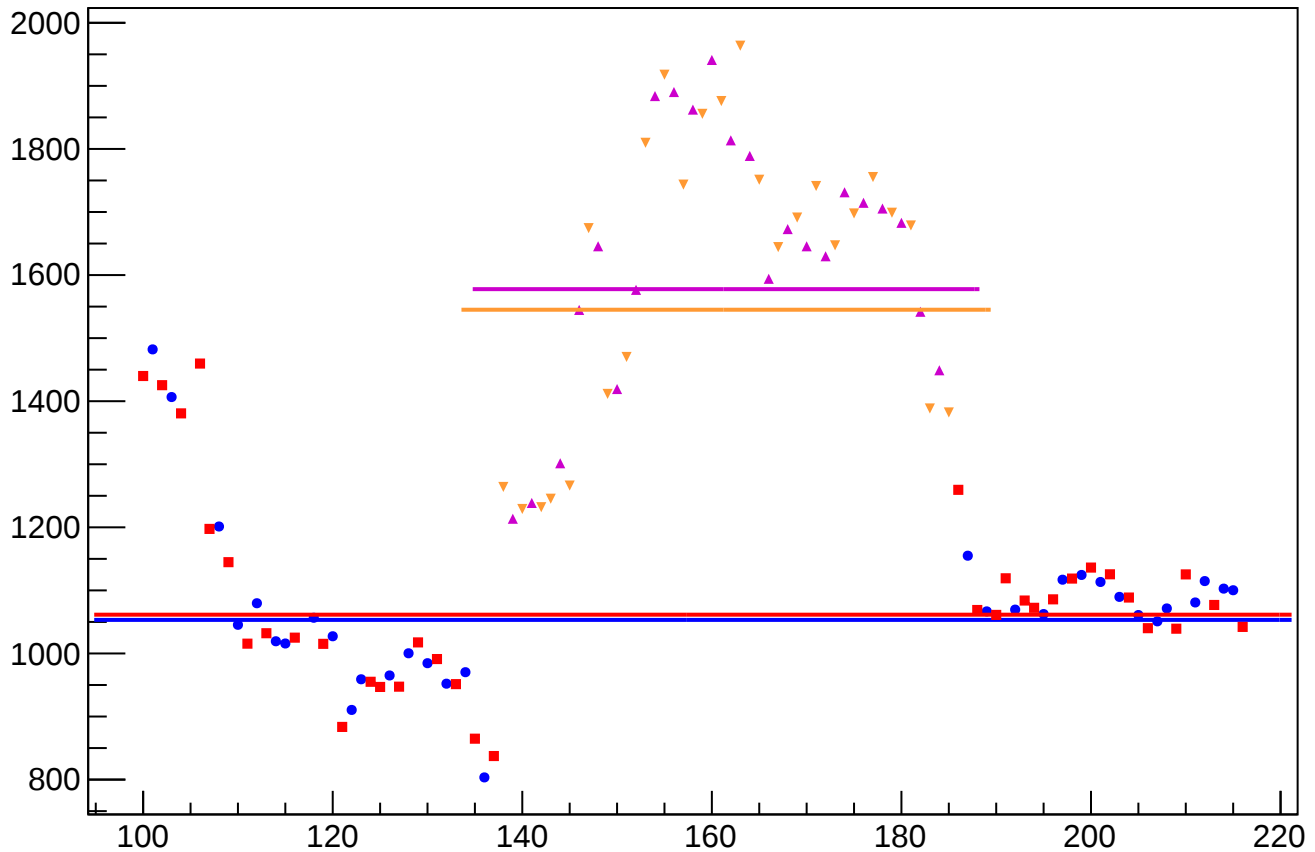
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -8.530 ± 0.208 χ^2/NDF : 1512.3/56

All: -6.958 ± 0.148 χ^2/NDF : 9036.9/114

- sign -5.356 ± 0.210 χ^2/NDF : 7409.7/57

diff_bpm0l04Y_rms vs Slug



Right In: 1053.225 $\pm$ 0.180 χ^2 /NDF: 424248.9/31

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

Right Out: 1061.488 $\pm$ 0.178 χ^2 /NDF: 393612.4/34

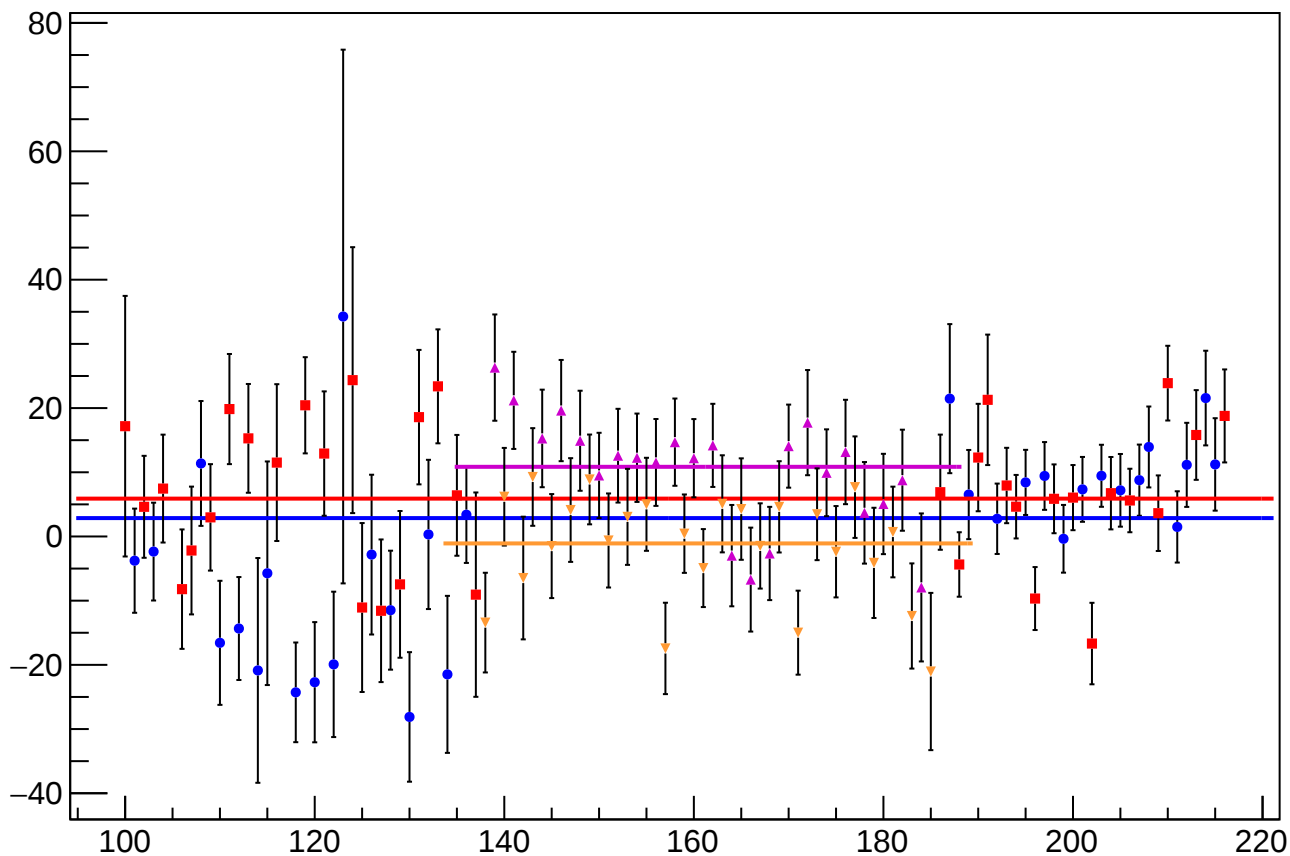
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1213.704 $\pm$ 0.147 χ^2 /NDF: 3716476.7/56

All: 1215.480 $\pm$ 0.105 χ^2 /NDF: 7273536.5/11

- sign 1217.290 $\pm$ 0.149 χ^2 /NDF: 3556766.3/57

diff_bpm0l05X_mean vs Slug



Right In: 2.863 ± 1.282 $\chi^2/\text{NDF}: 75.8/31$

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

Right Out: 5.896 ± 1.242 $\chi^2/\text{NDF}: 69.2/34$

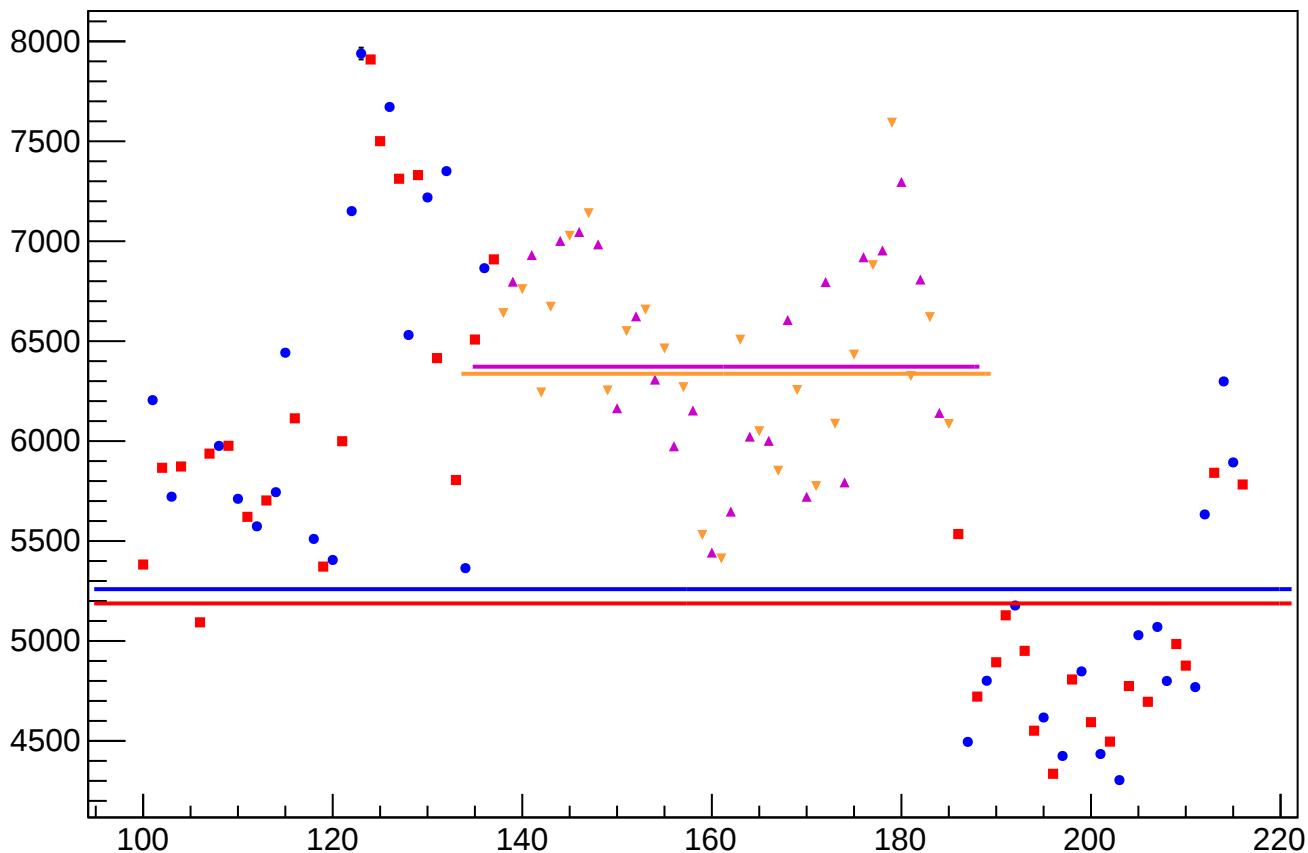
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

+ sign 1.180 ± 0.971 $\chi^2/\text{NDF}: 107.4/56$

All: 4.527 ± 0.685 $\chi^2/\text{NDF}: 230.9/114$

- sign 7.846 ± 0.967 $\chi^2/\text{NDF}: 99.9/57$

diff_bpm0l05X_rms vs Slug



Right In: 5259.241 $\pm$ 0.907 χ^2 /NDF: 812014.3/31

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

Right Out: 5187.758 $\pm$ 0.878 χ^2 /NDF: 687106.7/34

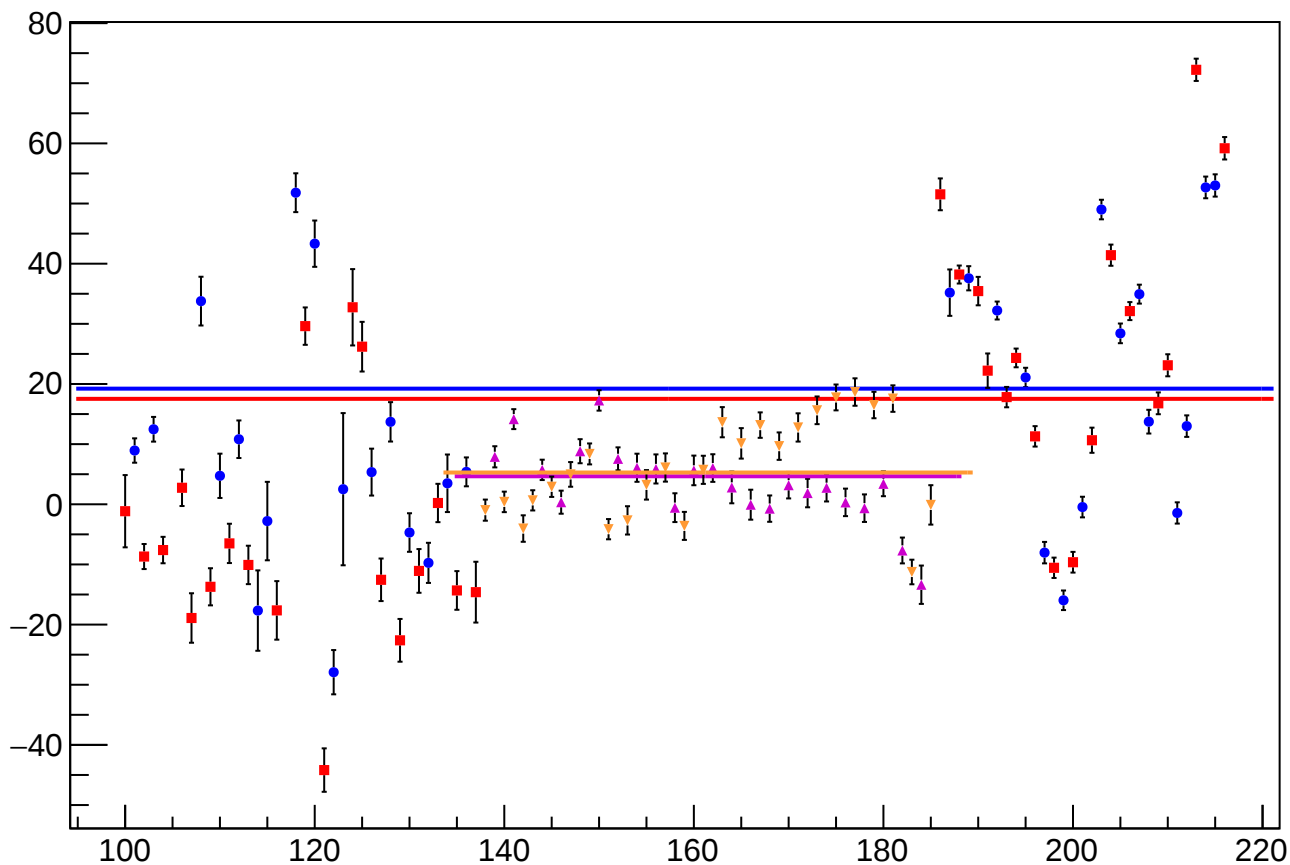
Left In: 6372.349 $\pm$ 1.090 χ^2 /NDF: 247257.0/22

+ sign 5718.689 $\pm$ 0.687 χ^2 /NDF: 1637361.4/56

All: 5686.181 $\pm$ 0.485 χ^2 /NDF: 3292350.3/11

- sign 5653.935 $\pm$ 0.684 χ^2 /NDF: 1650523.8/57

diff_bpm0l05Y_mean vs Slug



Right In: 19.226 $\pm$ 0.395 χ^2 /NDF: 2922.0/31

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

Right Out: 17.529 $\pm$ 0.390 χ^2 /NDF: 4077.4/34

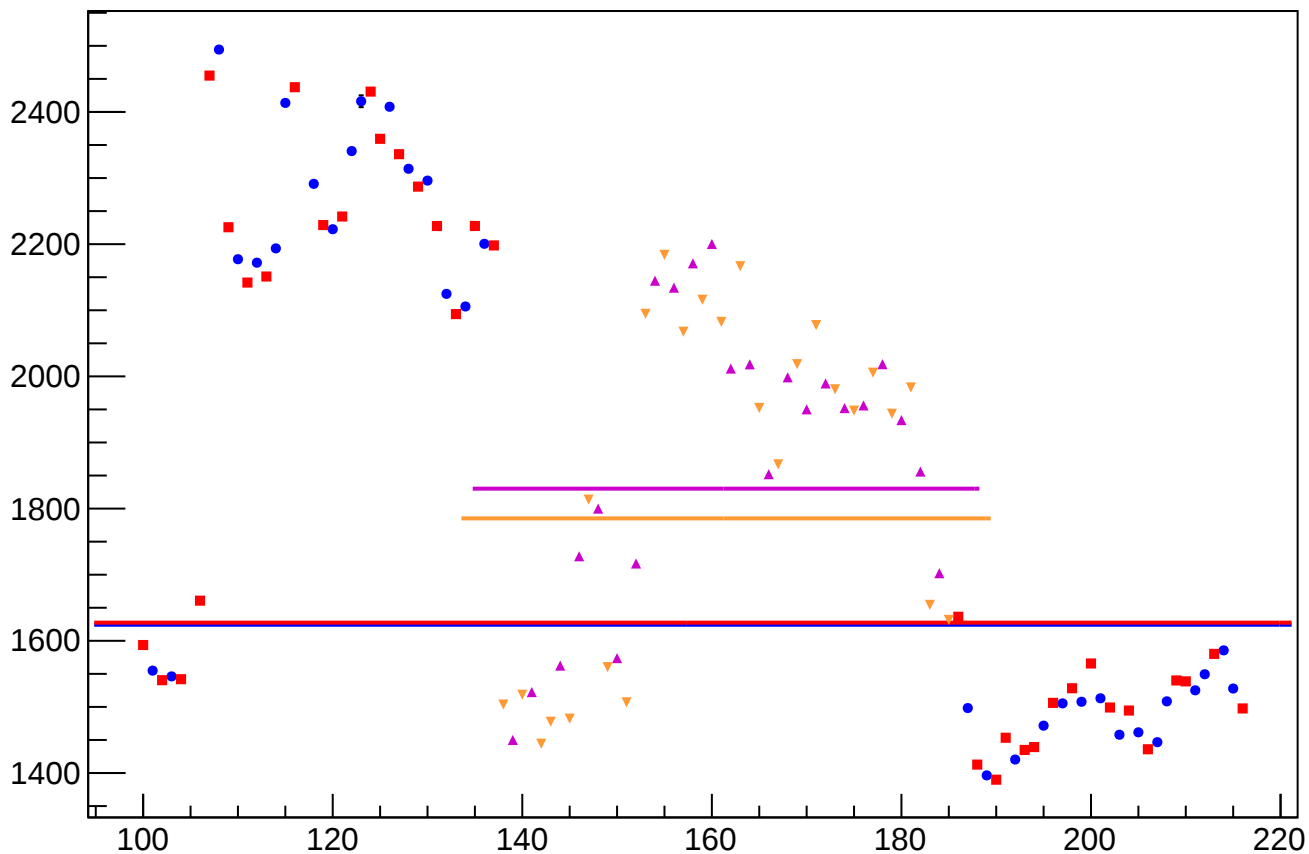
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF: 196.5/22

+ sign 12.688 $\pm$ 0.288 χ^2 /NDF: 3871.3/56

All: 12.306 $\pm$ 0.205 χ^2 /NDF: 8624.0/114

- sign 11.912 $\pm$ 0.293 χ^2 /NDF: 4749.0/57

diff_bpm0l05Y_rms vs Slug



Right In: 1624.289 $\pm$ 0.280 χ^2 /NDF: 1103111.0/31

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

Right Out: 1627.509 $\pm$ 0.276 χ^2 /NDF: 1106738.8/34

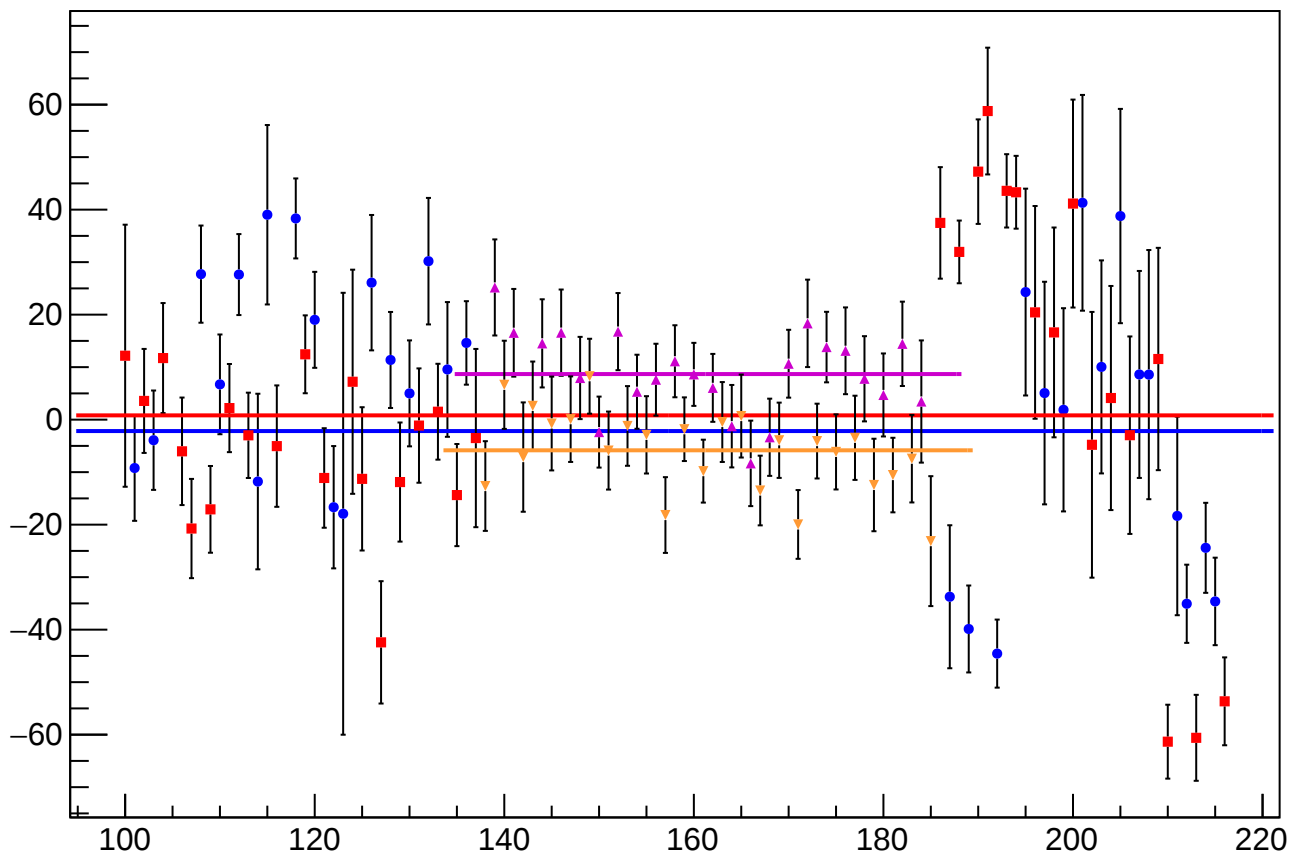
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1699.738 $\pm$ 0.204 χ^2 /NDF: 2009089.5/56

All: 1707.708 $\pm$ 0.145 χ^2 /NDF: 3862859.4/11

- sign 1715.944 $\pm$ 0.207 χ^2 /NDF: 1850657.8/57

diff_bpm0l06X_mean vs Slug



Right In: -2.174 ± 1.914 $\chi^2/\text{NDF}: 210.6/31$

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

Right Out: 0.816 ± 1.714 $\chi^2/\text{NDF}: 376.3/34$

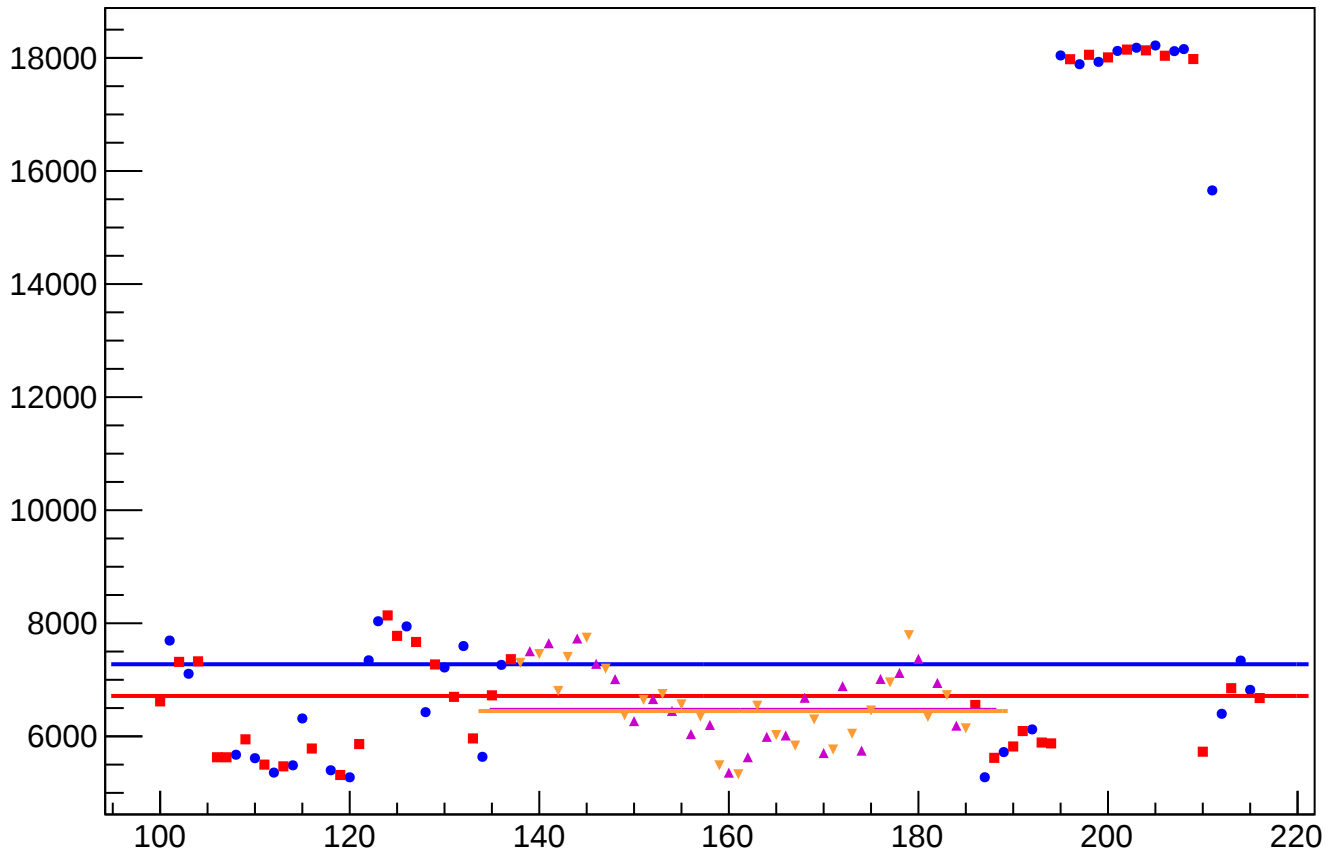
Left In: 8.683 ± 1.571 $\chi^2/\text{NDF}: 21.9/22$

+ sign -4.424 ± 1.189 $\chi^2/\text{NDF}: 236.2/56$

All: 0.462 ± 0.830 $\chi^2/\text{NDF}: 678.7/114$

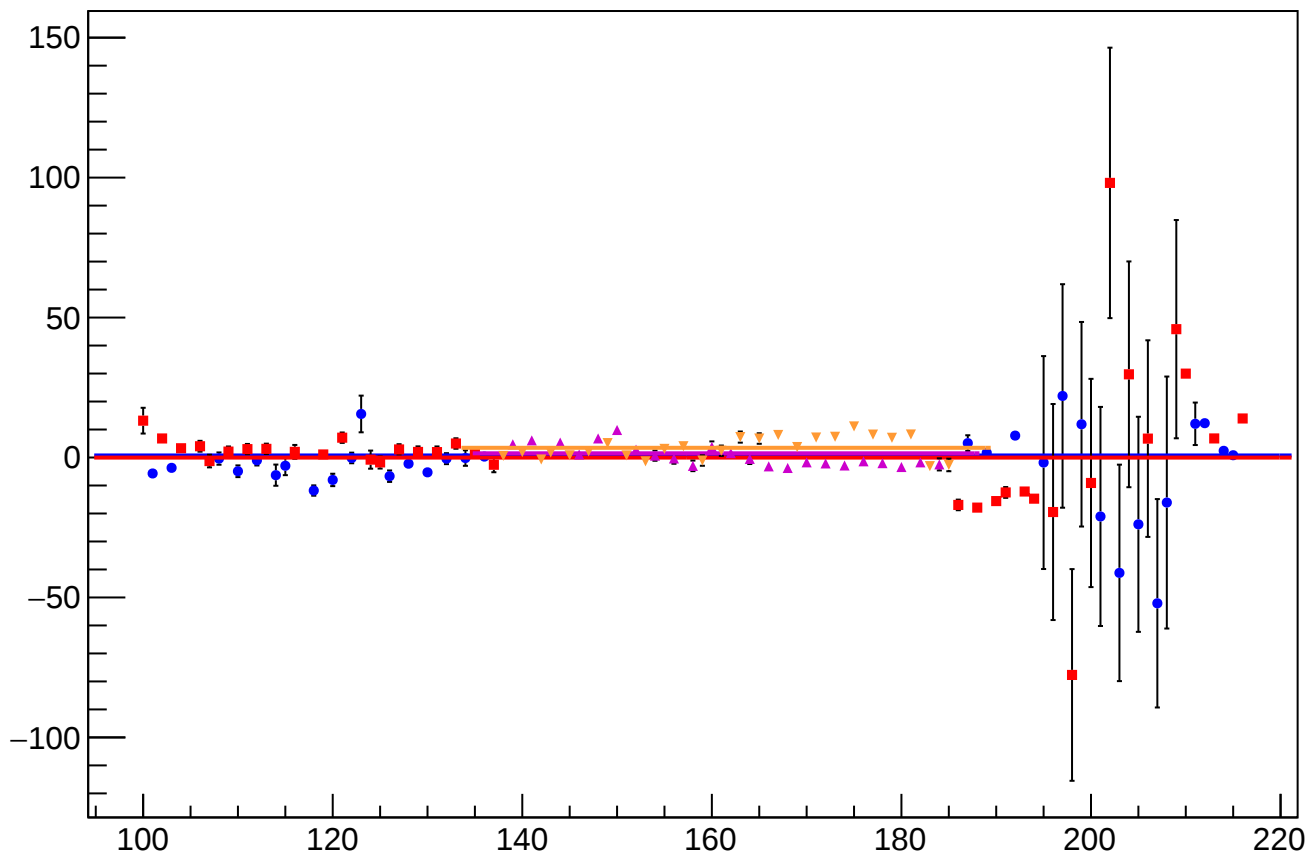
- sign 5.092 ± 1.158 $\chi^2/\text{NDF}: 409.7/57$

diff_bpm0l06X_rms vs Slug



Right In: 7275.212+/-1.353	χ^2/NDF : 5597119.2/31	+ sign 6767.316+/-0.841	χ^2/NDF : 6198245.0/56
Left Out: 6447.712+/-1.074	χ^2/NDF : 371671.1/24	All: 6671.572+/-0.587	χ^2/NDF : 11325313.7/1
Right Out: 6714.145+/-1.212	χ^2/NDF : 4696247.7/34	- sign 6580.838+/-0.819	χ^2/NDF : 5101830.8/57
Left In: 6468.902+/-1.111	χ^2/NDF : 383325.4/22		

diff_bpm0l06Y_mean vs Slug



Right In: 0.732 ± 0.345 χ^2/NDF : 292.4/31

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

Right Out: -0.028 ± 0.314 χ^2/NDF : 1536.7/34

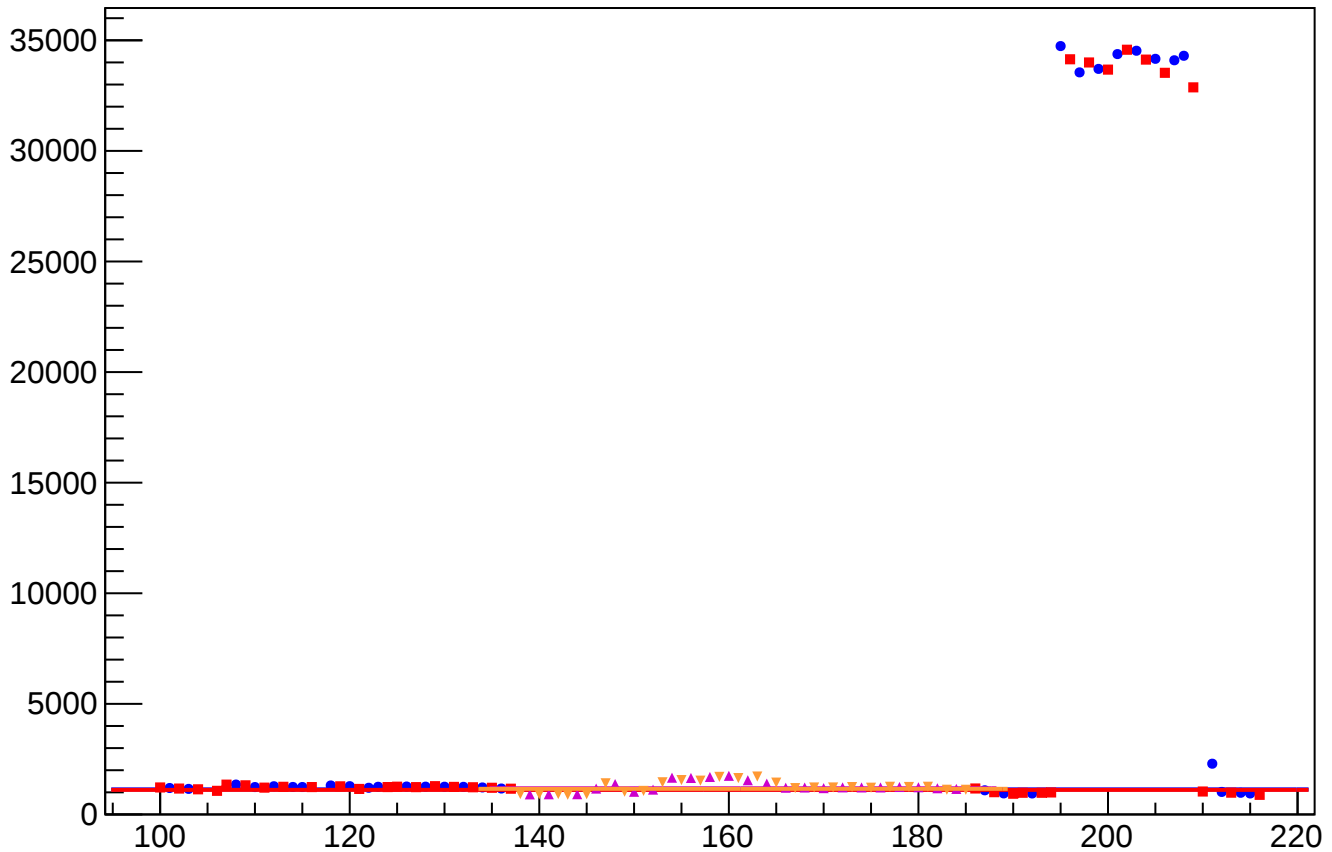
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.402 ± 0.216 χ^2/NDF : 506.7/56

All: 1.591 ± 0.152 χ^2/NDF : 2286.8/114

- sign 0.797 ± 0.213 χ^2/NDF : 1752.1/57

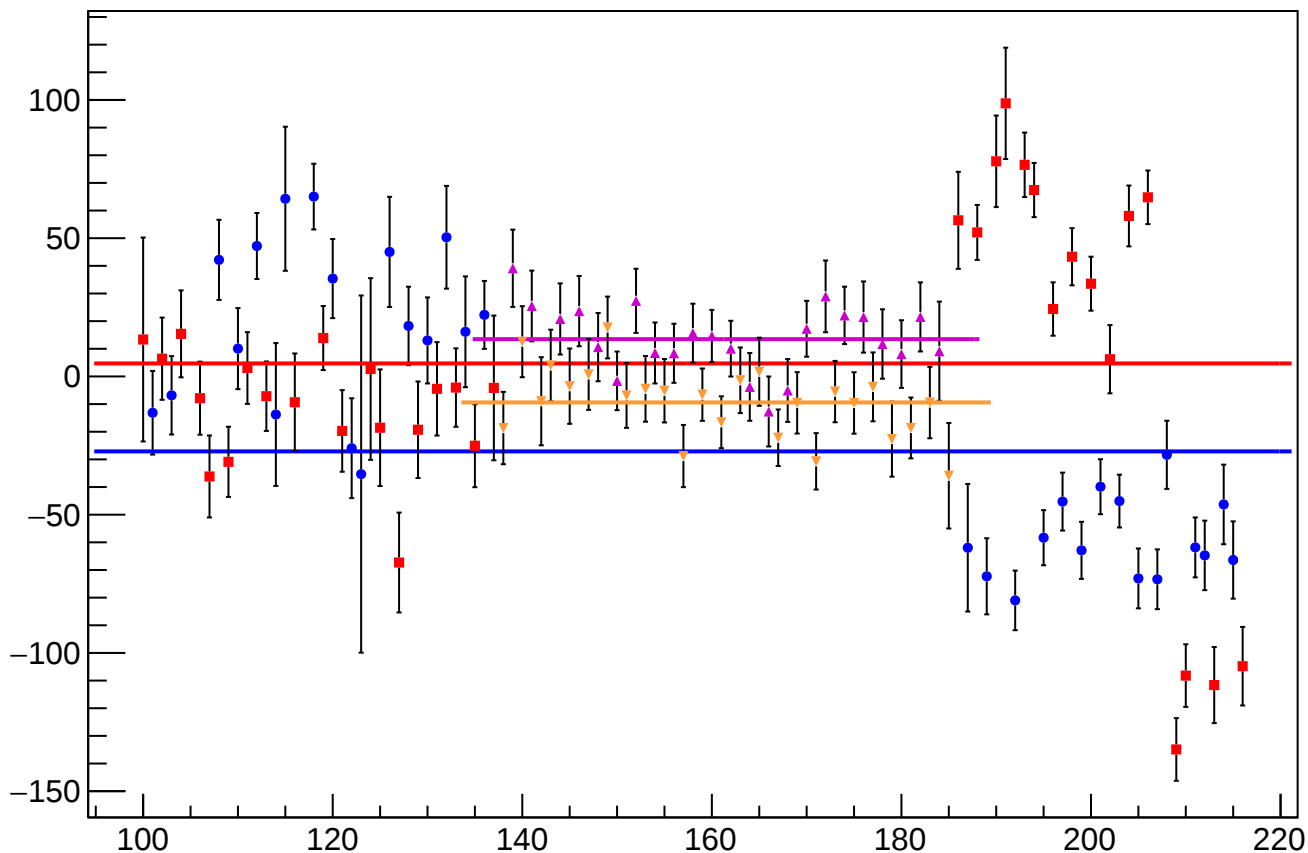
diff_bpm0l06Y_rms vs Slug



Right In: 1133.852 $\pm$ 0.244 χ^2 /NDF: 11908126.3/31
 Left Out: 1158.894 $\pm$ 0.195 χ^2 /NDF: 1410423.6/24
 Right Out: 1110.891 $\pm$ 0.222 χ^2 /NDF: 10203384.1/34
 Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1149.121 $\pm$ 0.153 χ^2 /NDF: 13324958.4/56
 All: 1149.987 $\pm$ 0.107 χ^2 /NDF: 24778697.7/100
 - sign 1150.835 $\pm$ 0.151 χ^2 /NDF: 11453675.5/57

diff_bpm0l07X_mean vs Slug



Right In: -27.108 ± 2.347 $\chi^2/\text{NDF}: 364.3/31$

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

Right Out: 4.701 ± 2.257 $\chi^2/\text{NDF}: 668.0/34$

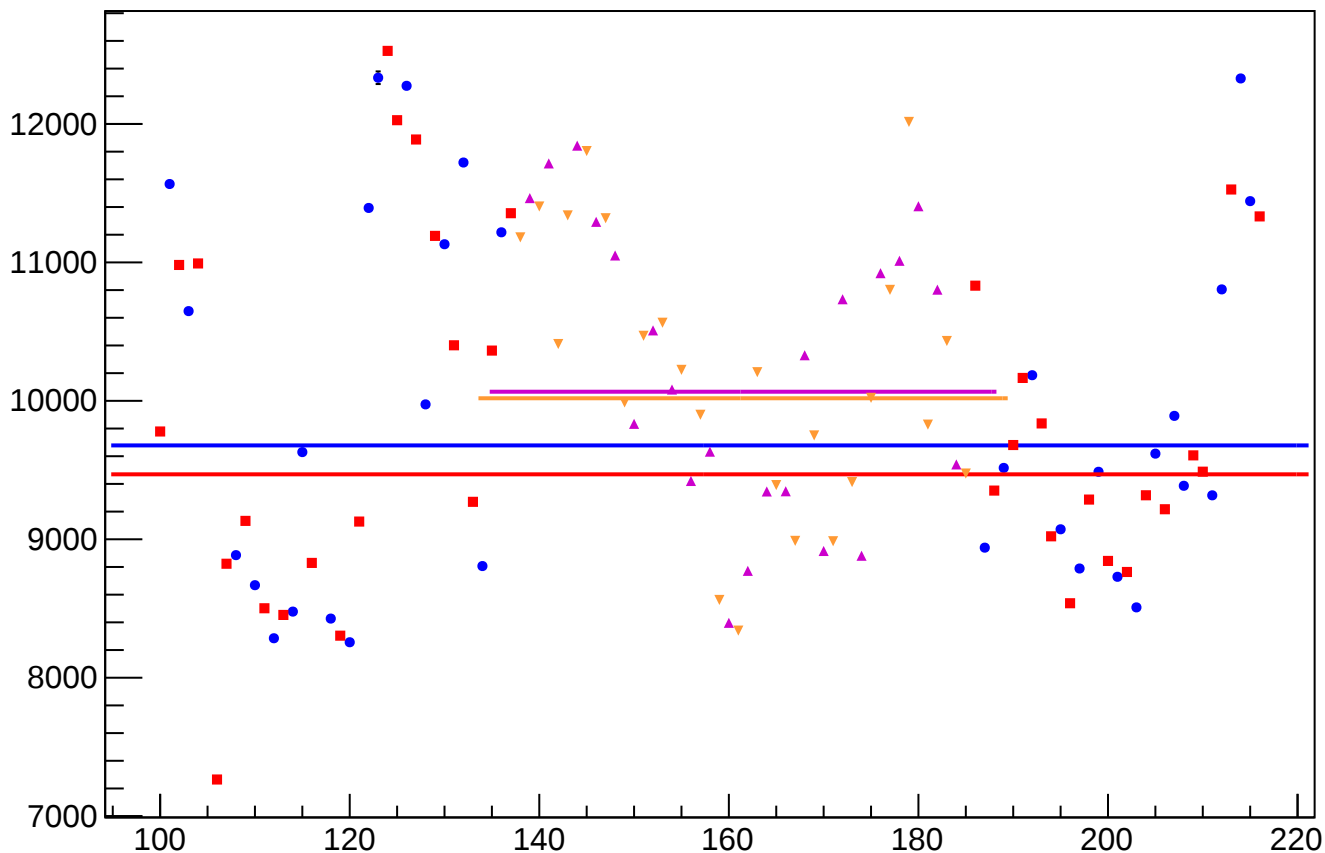
Left In: 13.485 ± 2.443 $\chi^2/\text{NDF}: 21.6/22$

+ sign -18.297 ± 1.664 $\chi^2/\text{NDF}: 418.9/56$

All: -4.728 ± 1.174 $\chi^2/\text{NDF}: 1248.1/114$

- sign 8.746 ± 1.658 $\chi^2/\text{NDF}: 696.5/57$

diff_bpm0l07X_rms vs Slug



Right In: 9678.079+/-1.659 χ^2/NDF : 460194.0/31

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

Right Out: 9469.243+/-1.596 χ^2/NDF : 410984.2/34

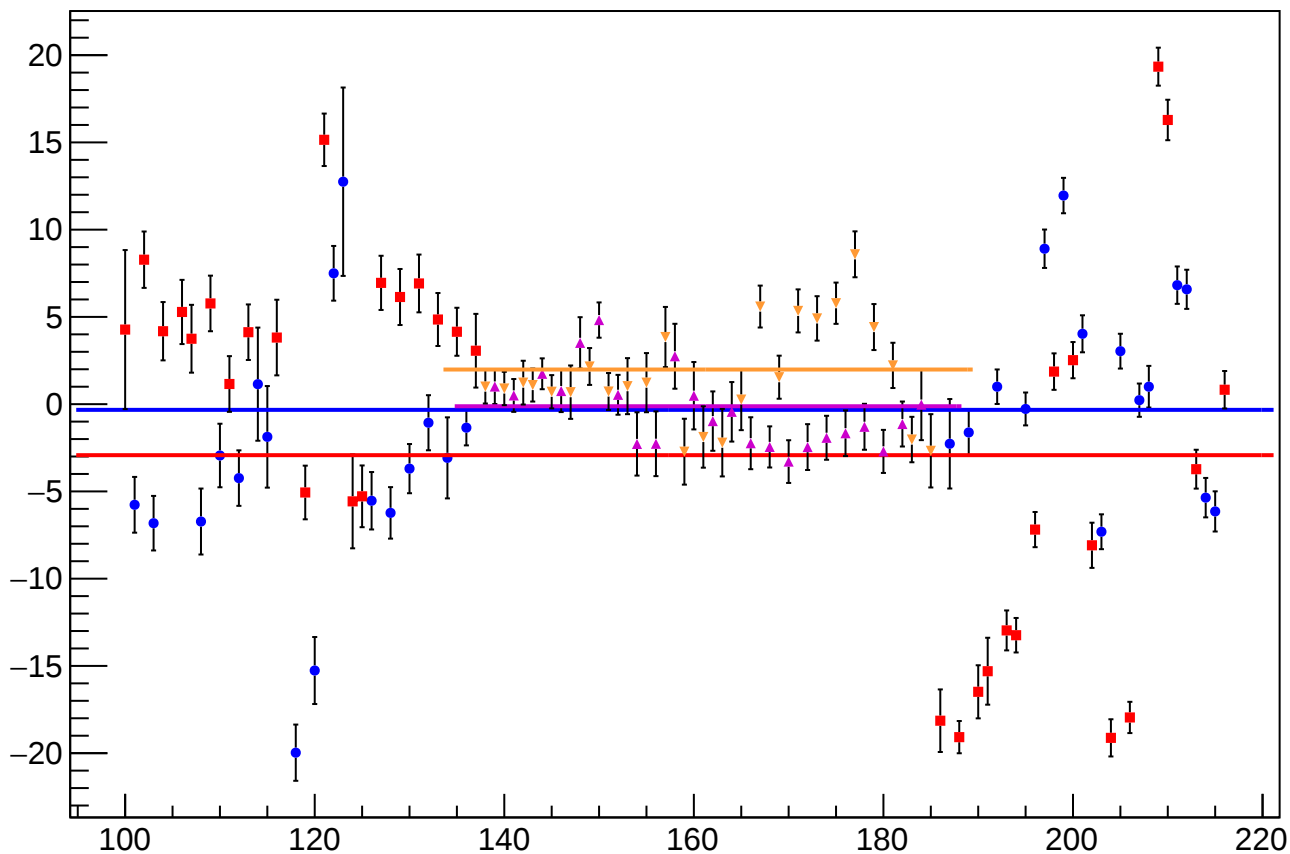
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

+ sign 9847.474+/-1.176 χ^2/NDF : 825673.8/56

All: 9795.545+/-0.830 χ^2/NDF : 1662788.0/11

- sign 9743.985+/-1.172 χ^2/NDF : 833230.4/57

diff_bpm0l07Y_mean vs Slug



Right In: -0.326 ± 0.232 $\chi^2/\text{NDF}: 750.1/31$

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

Right Out: -2.923 ± 0.228 $\chi^2/\text{NDF}: 2469.1/34$

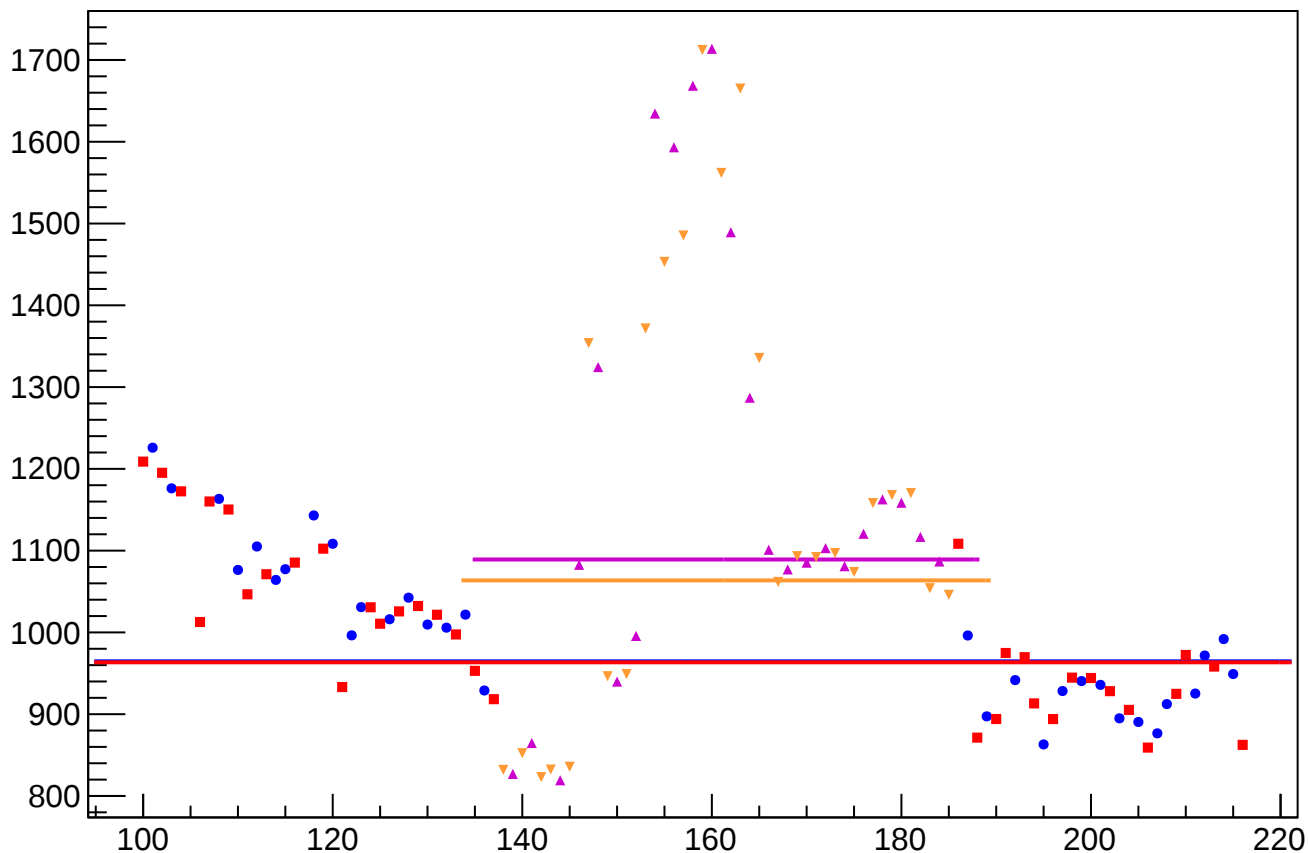
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

+ sign 0.721 ± 0.172 $\chi^2/\text{NDF}: 896.3/56$

All: -0.497 ± 0.122 $\chi^2/\text{NDF}: 3598.5/114$

- sign -1.749 ± 0.174 $\chi^2/\text{NDF}: 2599.9/57$

diff_bpm0l07Y_rms vs Slug



Right In: 964.625+/-0.164 χ^2/NDF : 272552.2/31

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

Right Out: 963.443+/-0.161 χ^2/NDF : 287994.7/34

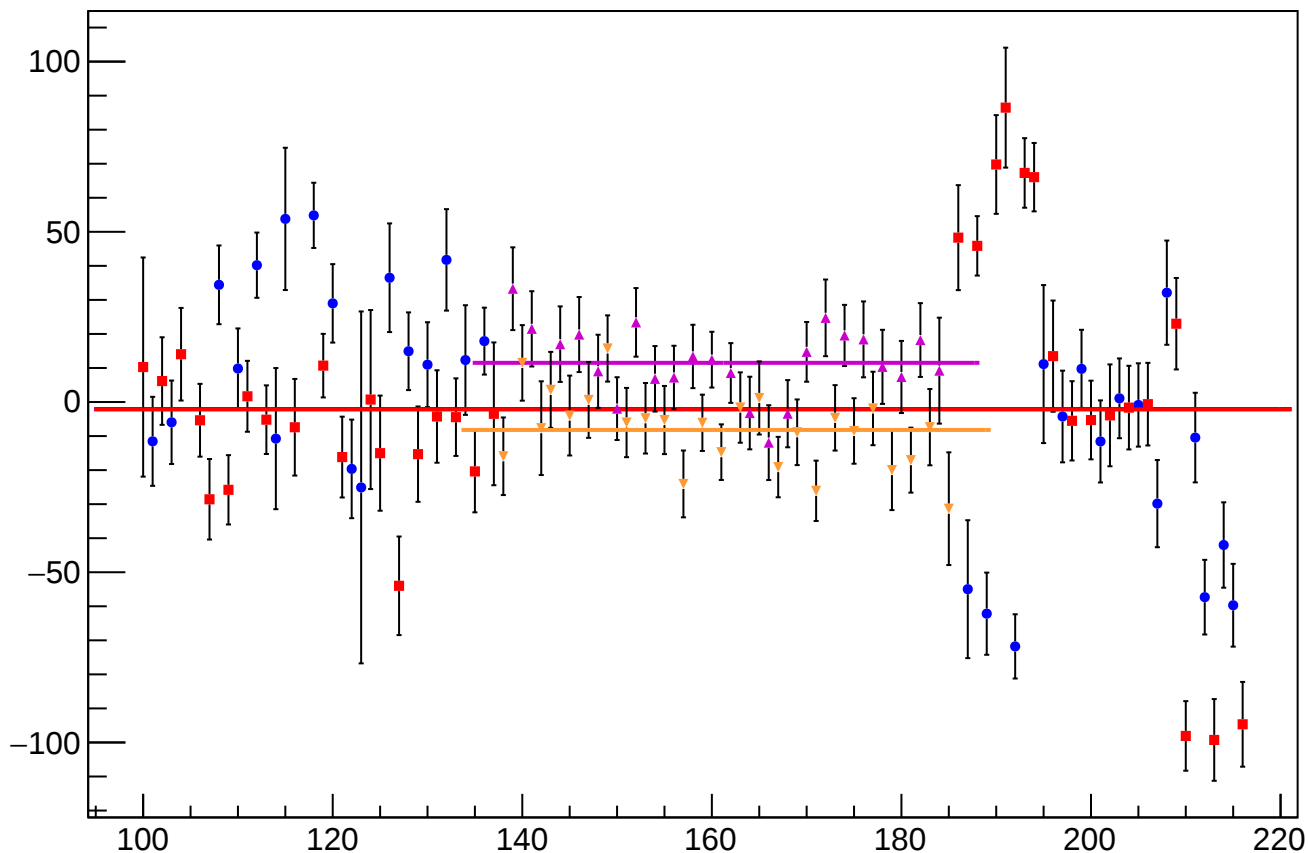
Left In: 1089.154+/-0.190 χ^2/NDF :1430478.5/22

+ sign 1009.482+/-0.121 χ^2/NDF : 2054921.1/56

All: 1012.751+/-0.086 χ^2/NDF : 4029238.5/11

- sign 1016.112+/-0.123 χ^2/NDF : 1972843.9/57

diff_bpm0l08X_mean vs Slug



Right In: -2.066 ± 2.253 χ^2/NDF : 261.7/31

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

Right Out: -2.167 ± 2.096 χ^2/NDF : 429.4/34

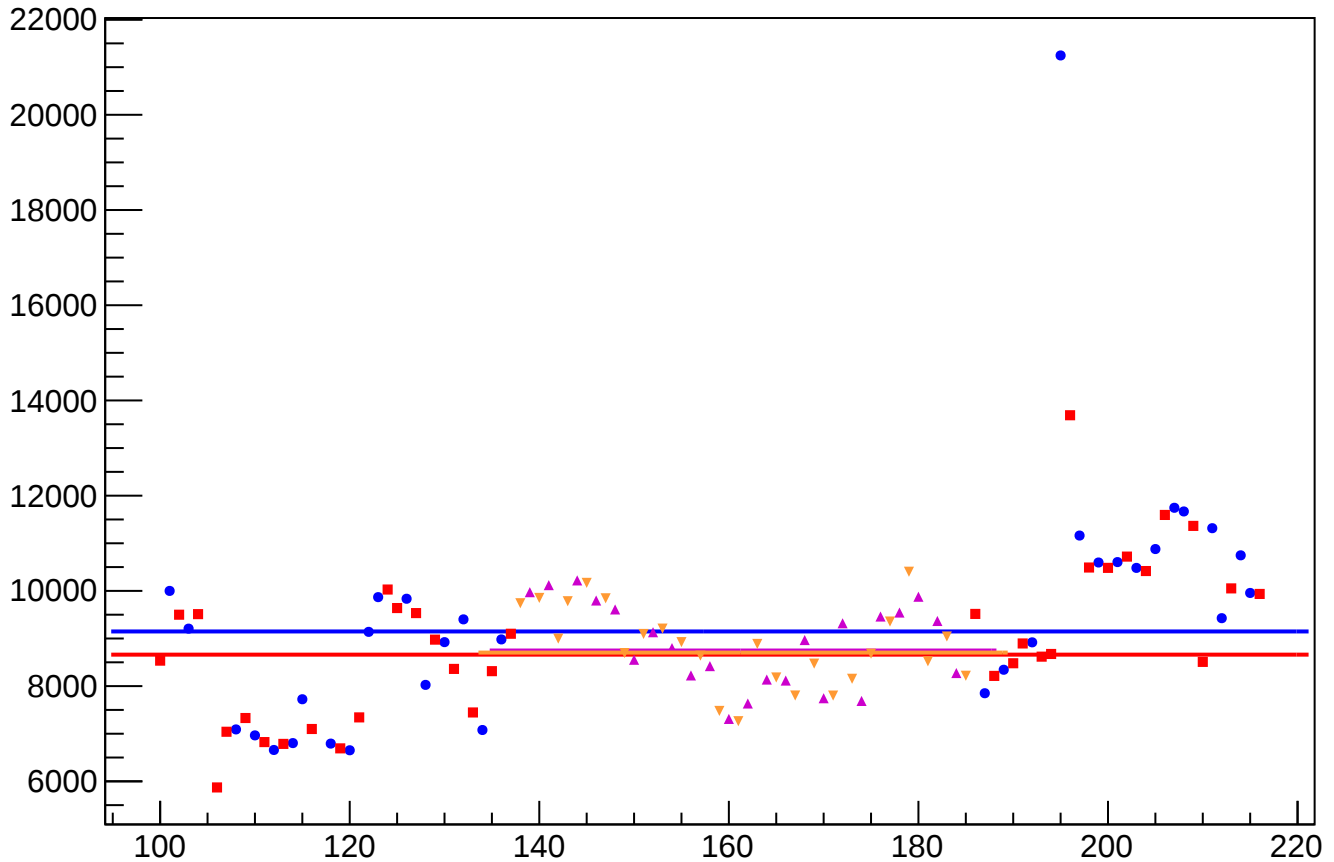
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -5.421 ± 1.516 χ^2/NDF : 291.9/56

All: -0.335 ± 1.063 χ^2/NDF : 785.5/114

- sign 4.590 ± 1.491 χ^2/NDF : 471.5/57

diff_bpm0l08X_rms vs Slug



Right In: 9148.055+/-1.593 χ^2/NDF : 1550355.6/31

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

+ sign 8905.040+/-1.072 χ^2/NDF : 1925202.1/56

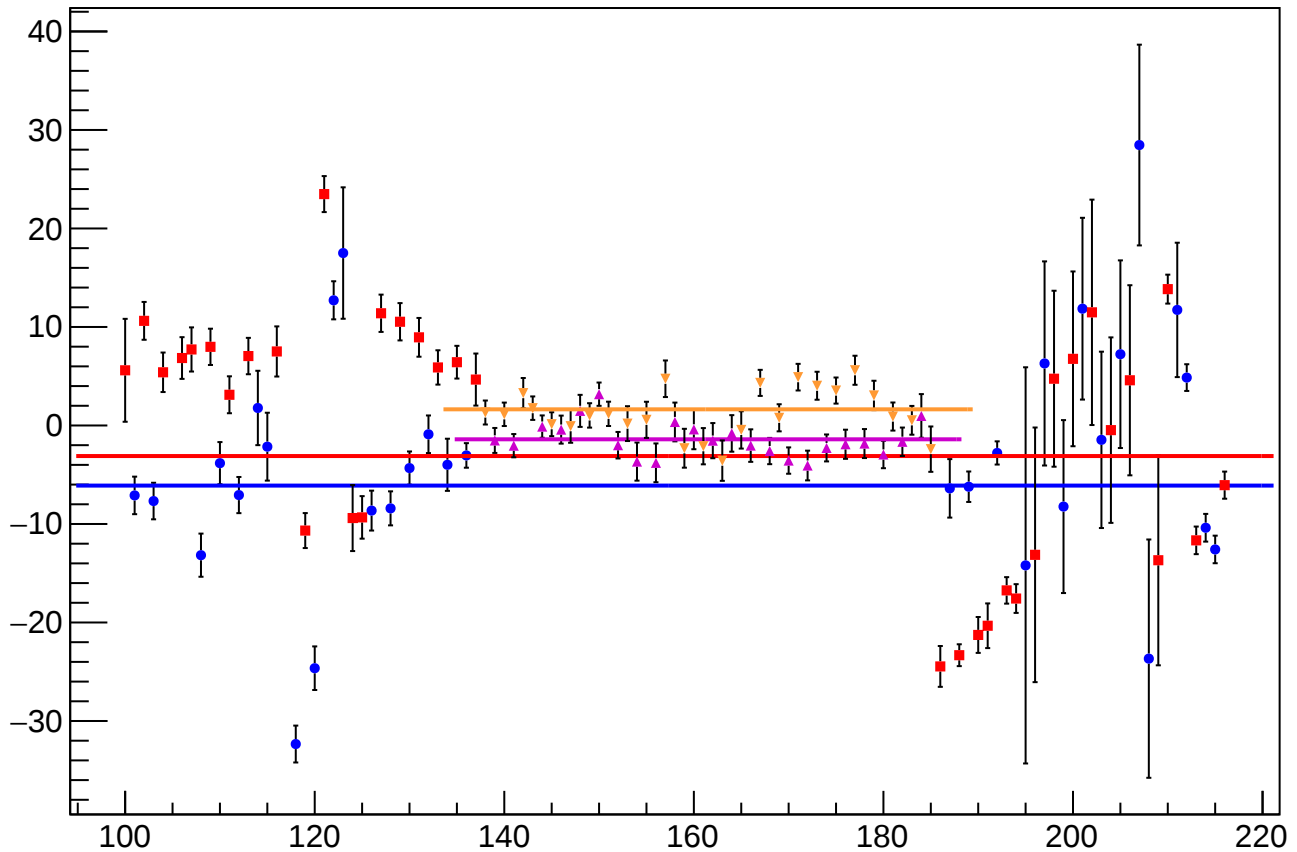
Right Out: 8660.901+/-1.482 χ^2/NDF : 1165862.9/34

All: 8802.702+/-0.752 χ^2/NDF : 3457797.7/11

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

- sign 8703.628+/-1.055 χ^2/NDF : 1514655.3/57

diff_bpm0l08Y_mean vs Slug



Right In: -6.102 ± 0.375 $\chi^2/\text{NDF}: 543.0/31$

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

Right Out: -3.103 ± 0.339 $\chi^2/\text{NDF}: 1647.5/34$

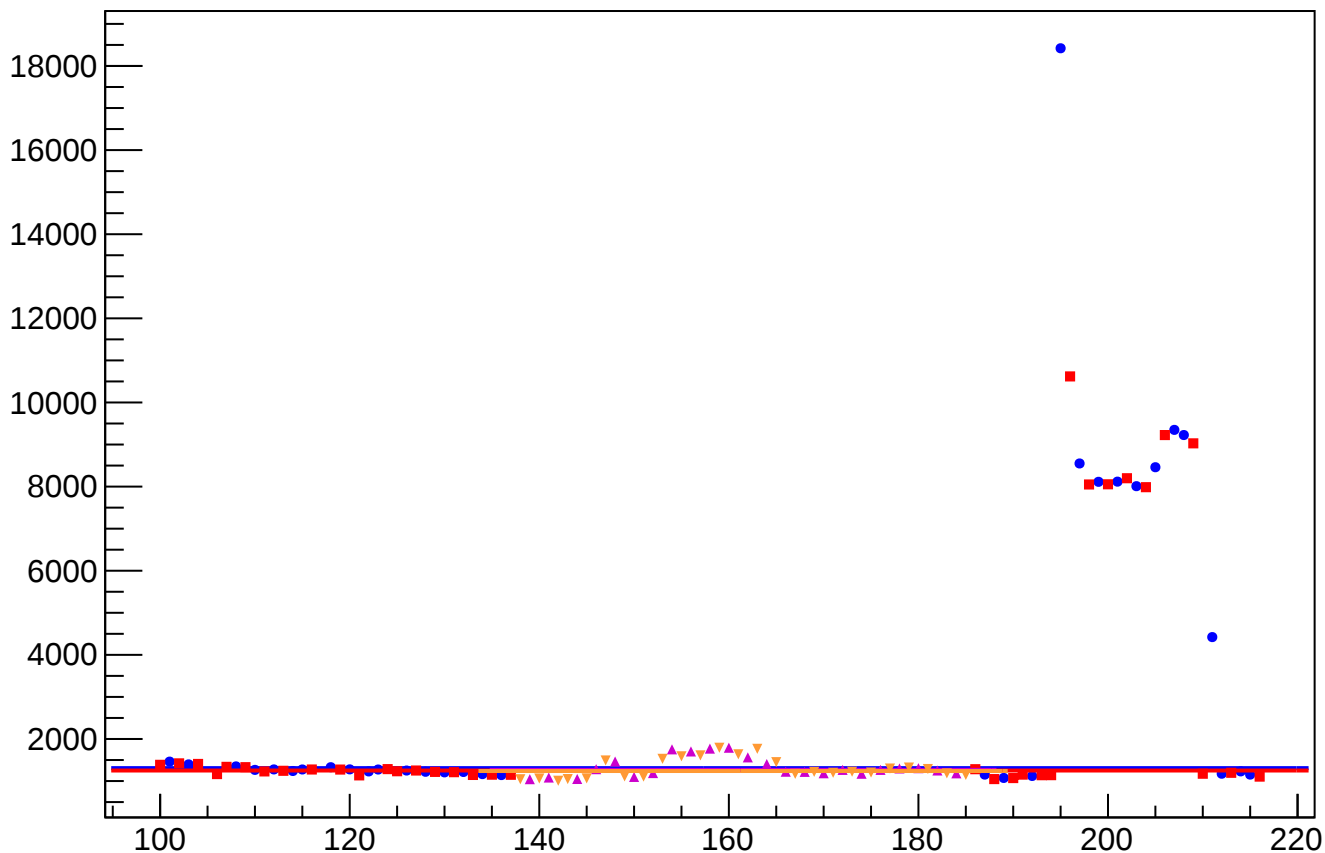
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -1.306 ± 0.231 $\chi^2/\text{NDF}: 858.8/56$

All: -1.746 ± 0.162 $\chi^2/\text{NDF}: 2561.4/114$

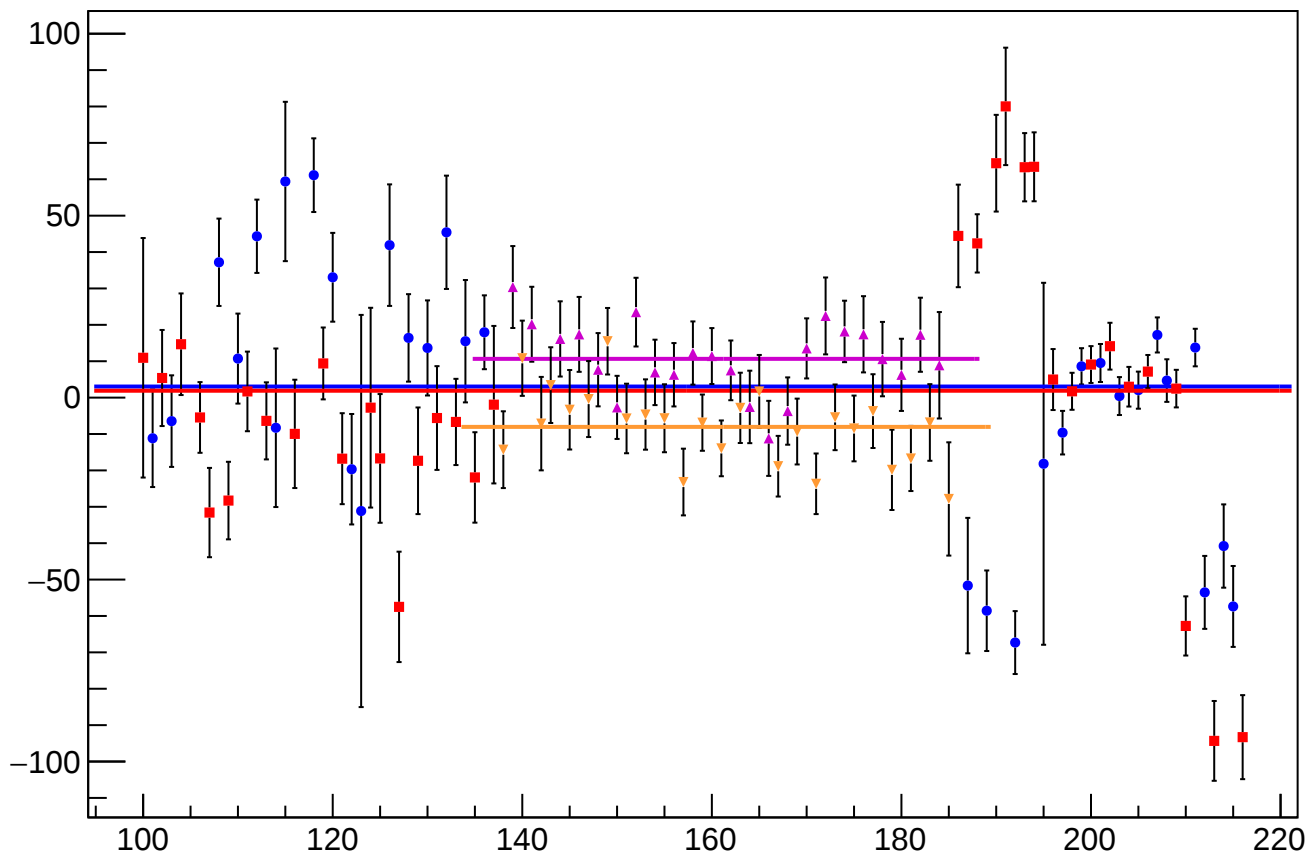
- sign -2.176 ± 0.228 $\chi^2/\text{NDF}: 1695.4/57$

diff_bpm0l08Y_rms vs Slug



Right In: 1307.116 $\pm$ 0.265 χ^2 /NDF: 9721719.9/31 + sign 1264.570 $\pm$ 0.163 χ^2 /NDF: 10728532.2/56
 Left Out: 1238.437 $\pm$ 0.208 χ^2 /NDF: 965173.0/24 All: 1261.644 $\pm$ 0.115 χ^2 /NDF: 19368080.2/1
 Right Out: 1250.512 $\pm$ 0.240 χ^2 /NDF: 7791571.4/34 - sign 1258.789 $\pm$ 0.161 χ^2 /NDF: 8638914.7/57
 Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

diff_bpm0l09X_mean vs Slug



Right In: 3.046 ± 1.517 χ^2/NDF : 295.6/31

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

Right Out: 1.893 ± 1.526 χ^2/NDF : 424.5/34

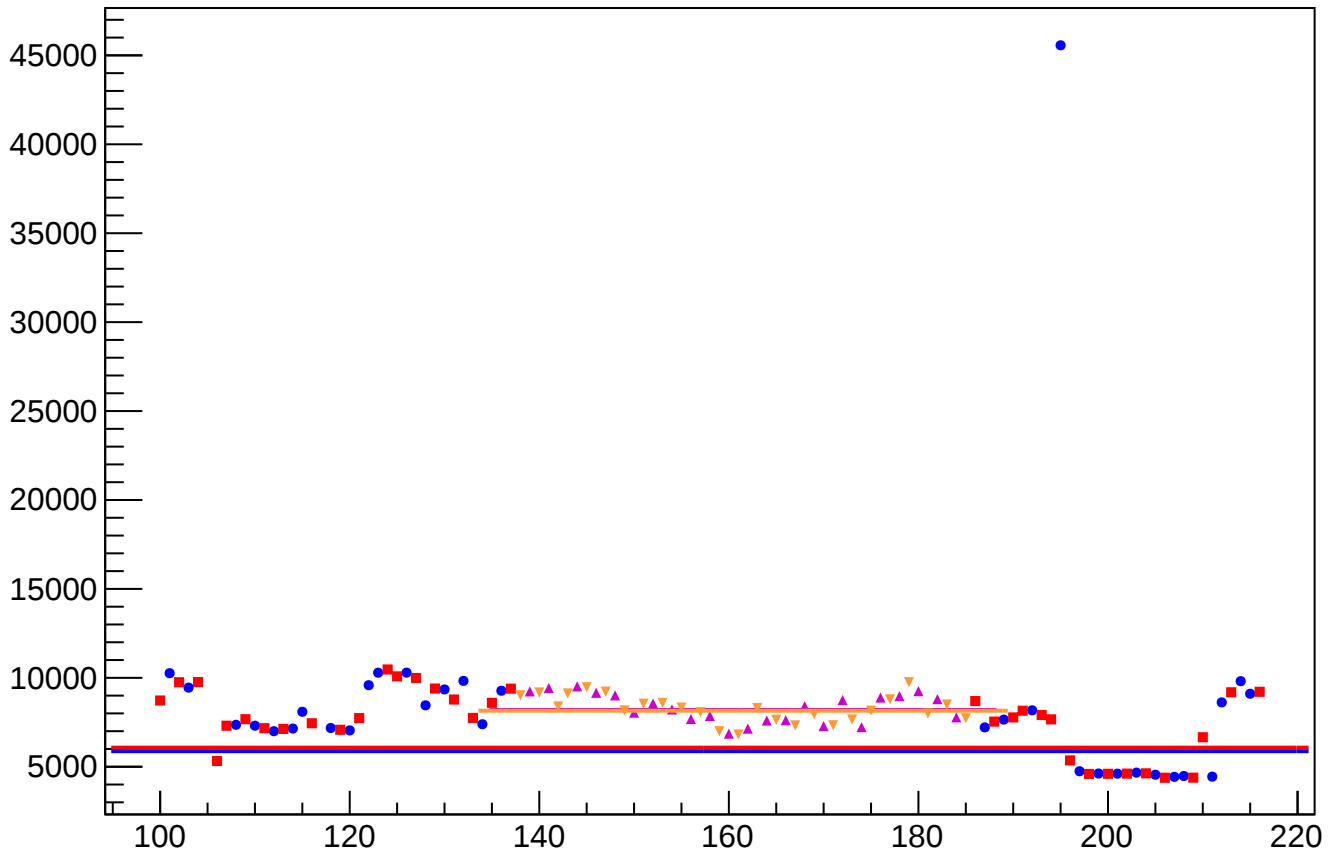
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign -1.220 ± 1.190 χ^2/NDF : 342.5/56

All: 1.906 ± 0.848 χ^2/NDF : 814.6/114

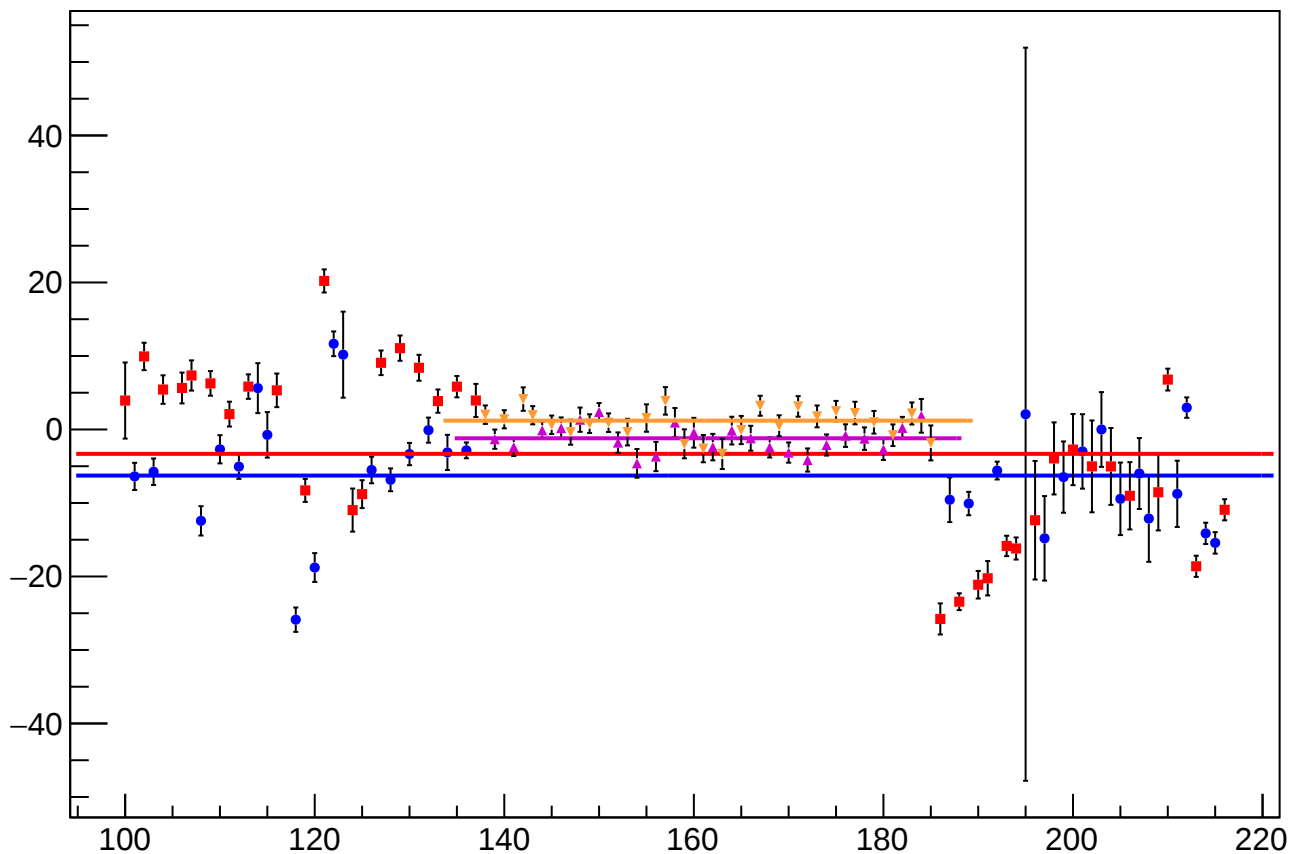
- sign 5.142 ± 1.210 χ^2/NDF : 458.1/57

diff_bpm0l09X_rms vs Slug



Right In: 5875.934+/-1.072	χ^2/NDF : 4448397.8/31	+ sign 6751.321+/-0.841	χ^2/NDF : 6502134.9/56
Left Out: 8151.489+/-1.356	χ^2/NDF : 321803.3/24	All: 6804.639+/-0.600	χ^2/NDF : 11148332.3/100
Right Out: 6073.500+/-1.079	χ^2/NDF : 2867980.5/34	- sign 6859.833+/-0.856	χ^2/NDF : 4638022.0/57
Left In: 8193.636+/-1.405	χ^2/NDF : 338377.6/22		

diff_bpm0l09Y_mean vs Slug



Right In: -6.272 ± 0.350 χ^2/NDF : 486.6/31

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

Right Out: -3.315 ± 0.321 χ^2/NDF : 1604.3/34

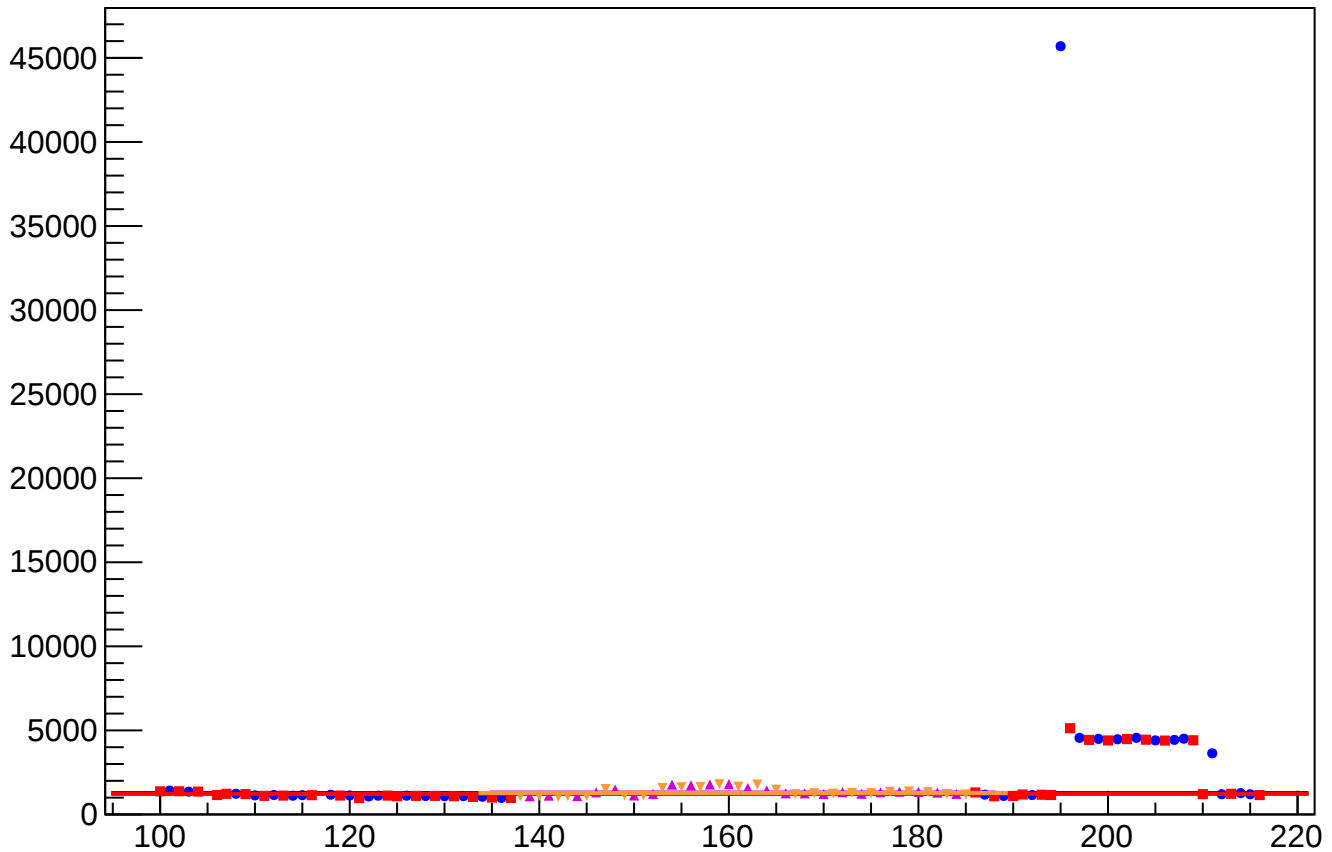
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.996 ± 0.229 χ^2/NDF : 778.0/56

All: -2.122 ± 0.161 χ^2/NDF : 2436.0/114

- sign -2.246 ± 0.226 χ^2/NDF : 1657.4/57

diff_bpm0l09Y_rms vs Slug



Right In: 1272.836 $\pm$ 0.247 χ^2 /NDF: 7977501.2/31

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

Right Out: 1224.088 $\pm$ 0.227 χ^2 /NDF: 5506415.9/34

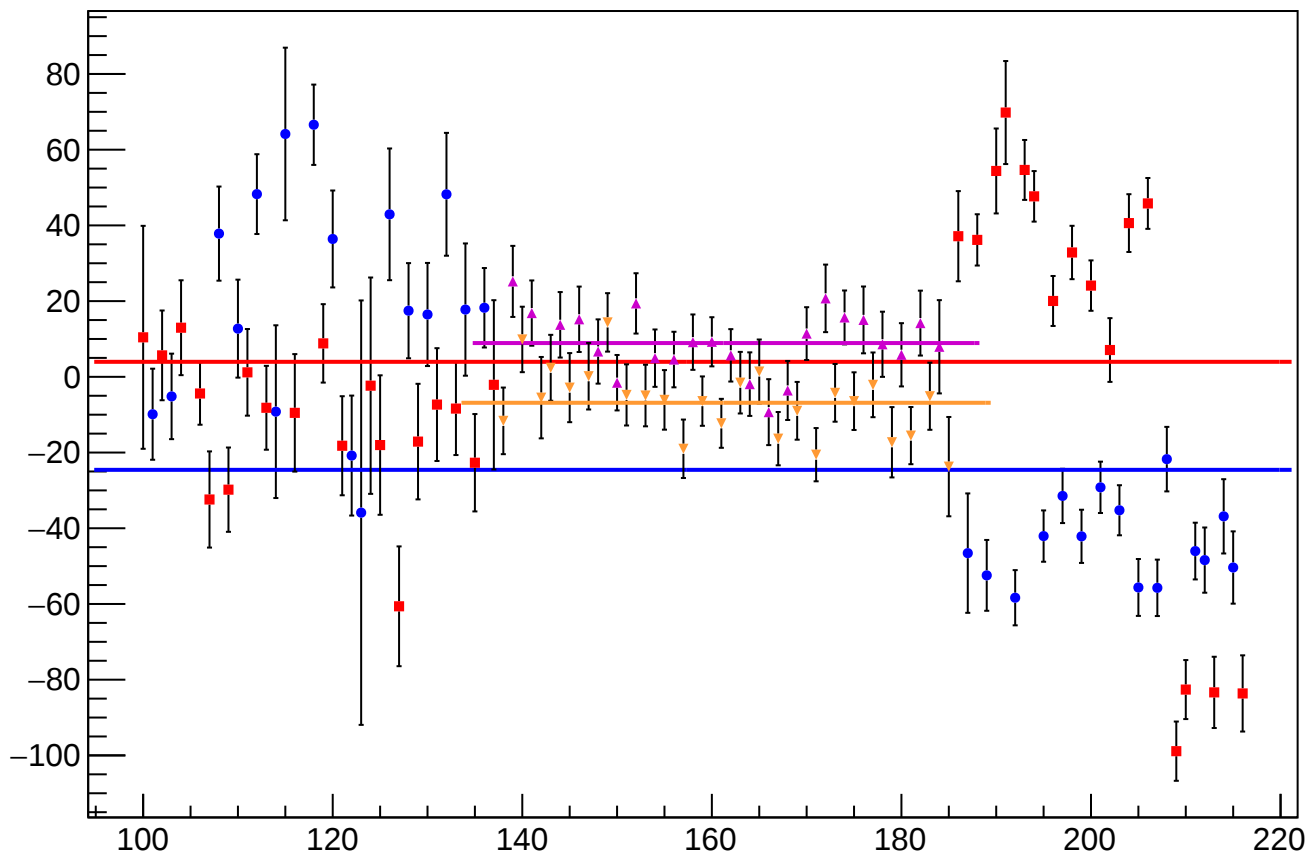
Left In: 1305.541 $\pm$ 0.225 χ^2 /NDF: 760450.8/22

+ sign 1275.742 $\pm$ 0.162 χ^2 /NDF: 8855870.7/56

All: 1270.415 $\pm$ 0.114 χ^2 /NDF: 15189789.3/100

- sign 1265.212 $\pm$ 0.160 χ^2 /NDF: 6331774.4/57

diff_bpm0l10X_mean vs Slug



Right In: -24.569 ± 1.733 $\chi^2/\text{NDF}: 384.5/31$

Left Out: -6.854 ± 1.616 $\chi^2/\text{NDF}: 28.7/24$

Right Out: 3.966 ± 1.658 $\chi^2/\text{NDF}: 759.8/34$

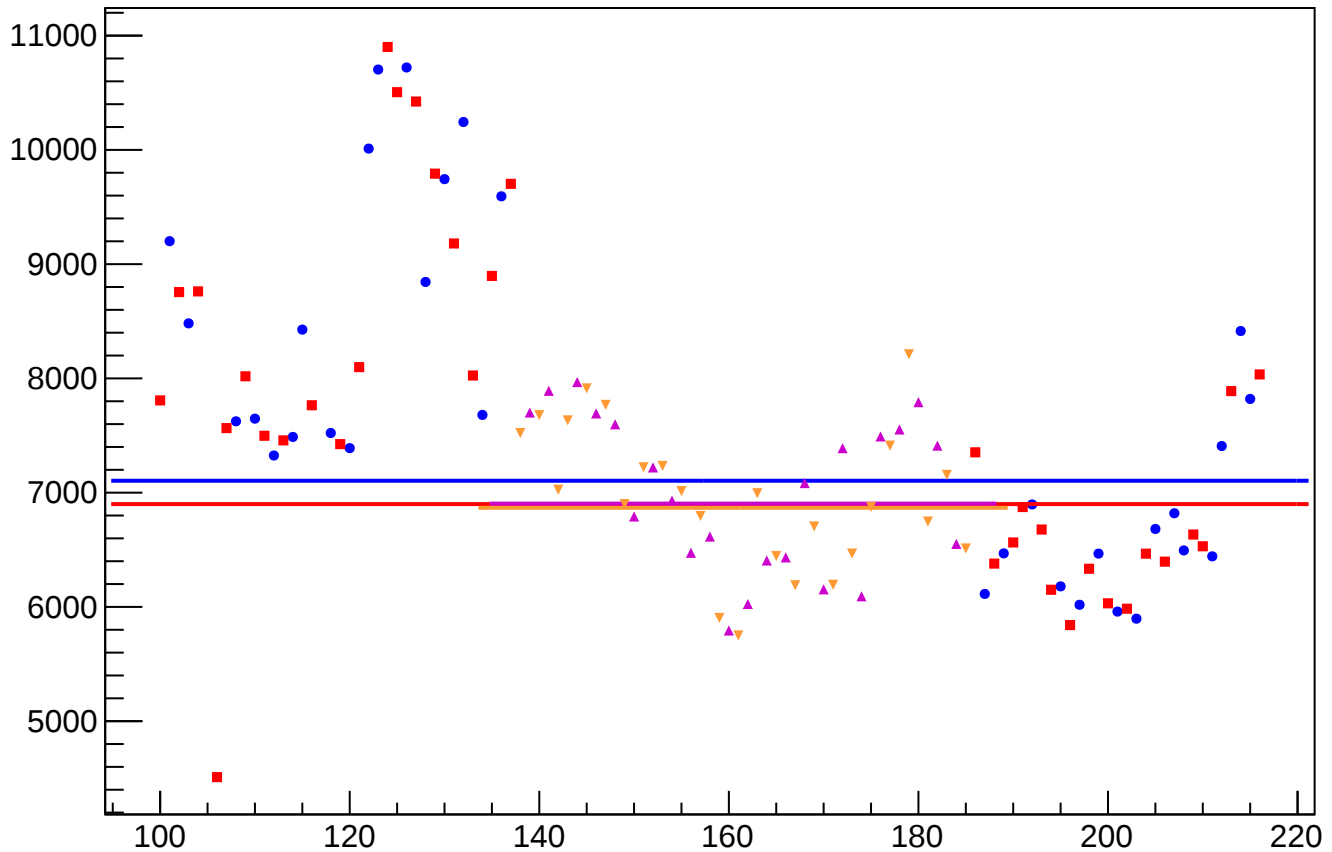
Left In: 8.923 ± 1.674 $\chi^2/\text{NDF}: 21.8/22$

+ sign -15.091 ± 1.182 $\chi^2/\text{NDF}: 469.0/56$

All: -4.301 ± 0.834 $\chi^2/\text{NDF}: 1421.3/114$

- sign 6.419 ± 1.178 $\chi^2/\text{NDF}: 786.0/57$

diff_bpm0l10X_rms vs Slug



Right In: 7104.231+/-1.225 χ^2/NDF : 901238.4/31

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

Right Out: 6899.887+/-1.172 χ^2/NDF : 994670.1/34

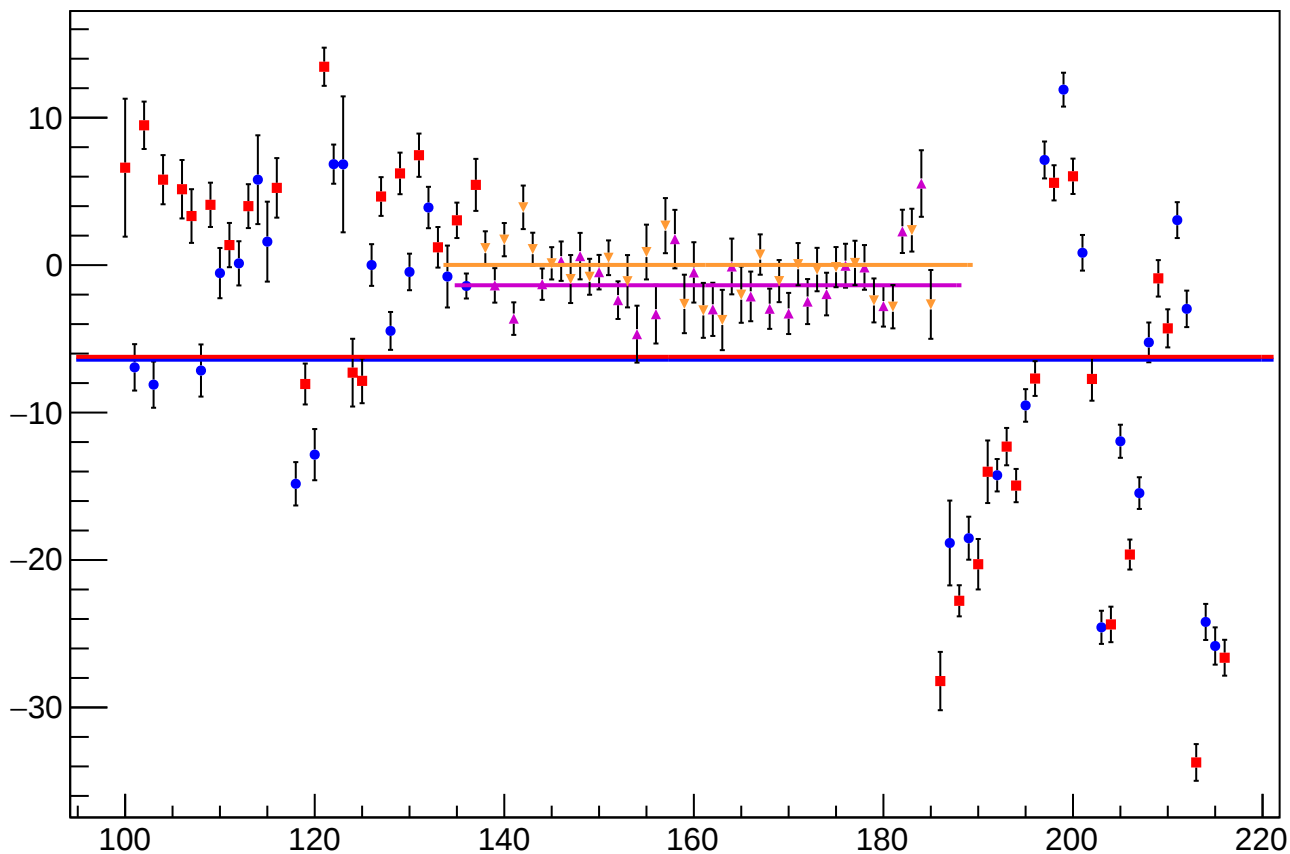
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 6977.499+/-0.836 χ^2/NDF : 1228122.0/56

All: 6939.619+/-0.590 χ^2/NDF : 2552808.1/11

- sign 6901.981+/-0.833 χ^2/NDF : 1320589.1/57

diff_bpm0l10Y_mean vs Slug



Right In: -6.414 ± 0.240 χ^2/NDF : 1779.6/31

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

Right Out: -6.219 ± 0.238 χ^2/NDF : 2896.7/34

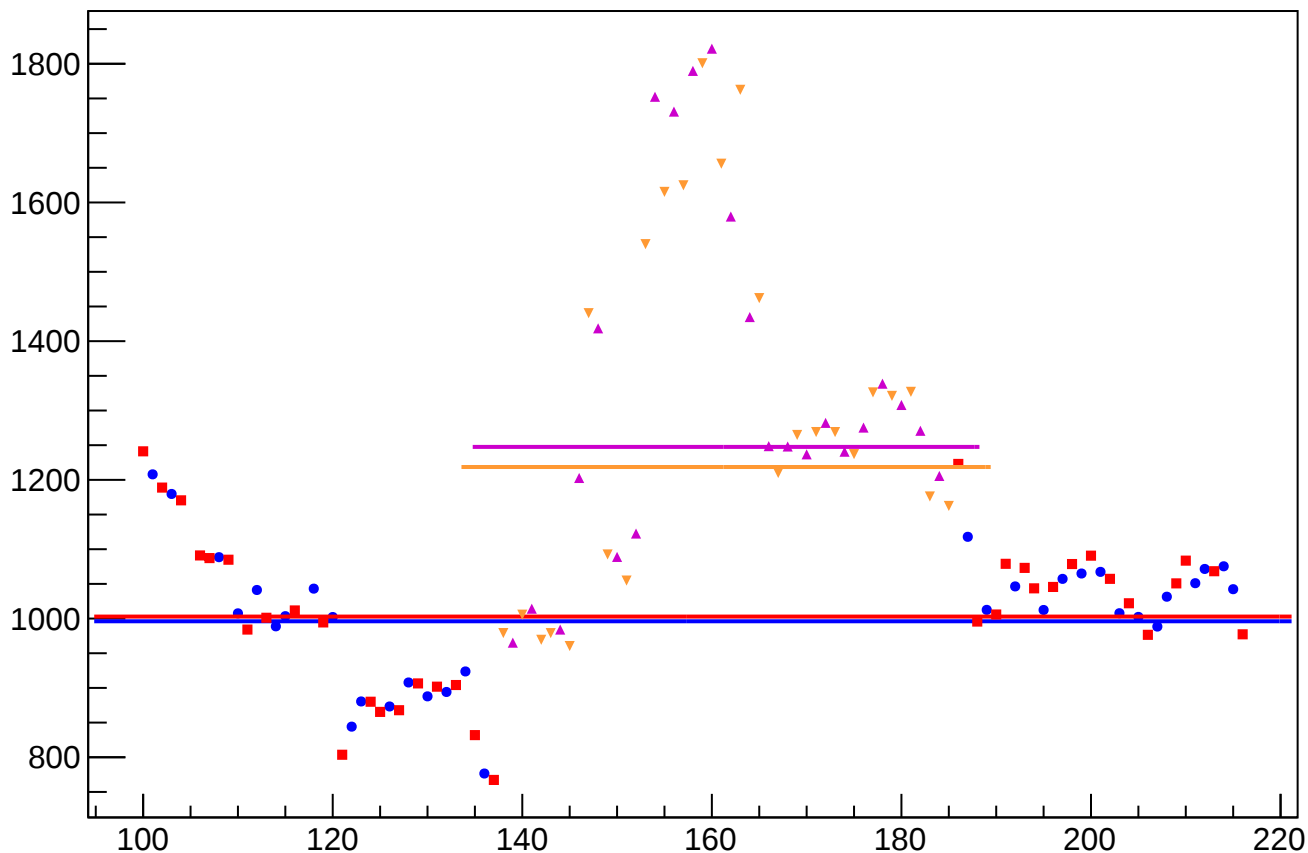
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -3.803 ± 0.185 χ^2/NDF : 2106.5/56

All: -4.092 ± 0.132 χ^2/NDF : 5203.9/114

- sign -4.389 ± 0.188 χ^2/NDF : 3092.4/57

diff_bpm0l10Y_rms vs Slug



Right In: 996.087+/-0.170 χ^2/NDF : 339119.7/31

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

Right Out: 1002.869+/-0.168 χ^2/NDF : 342195.1/34

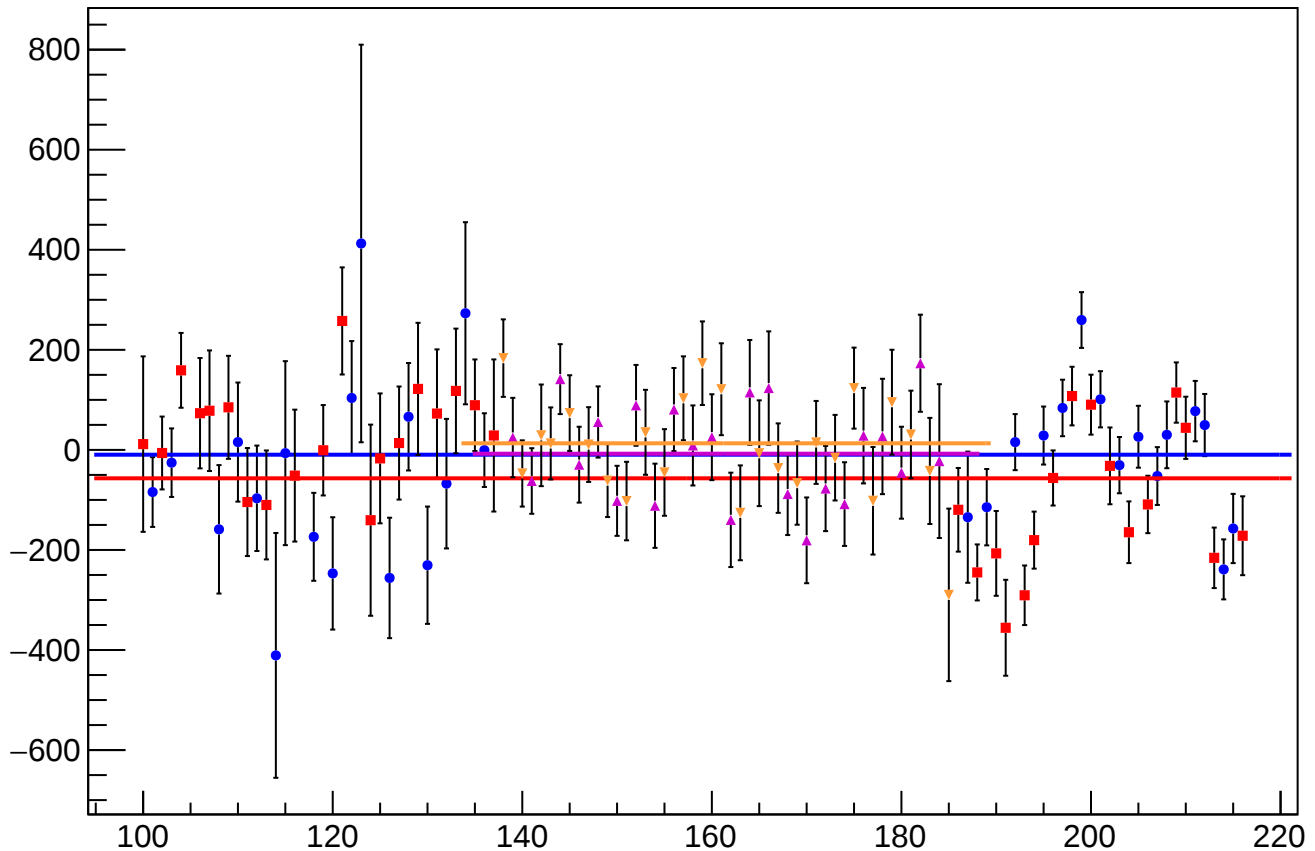
Left In: 1247.538+/-0.216 χ^2/NDF : 1073390.3/22

+ sign 1086.435+/-0.131 χ^2/NDF : 2304214.4/56

All: 1090.719+/-0.093 χ^2/NDF : 4521039.8/11

- sign 1095.136+/-0.133 χ^2/NDF : 2214641.7/57

diff_bpm0r03X_mean vs Slug



Right In: -9.606 ± 13.606 χ^2/NDF : 83.8/31

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

Right Out: -56.805 ± 13.487 χ^2/NDF : 113.8/34

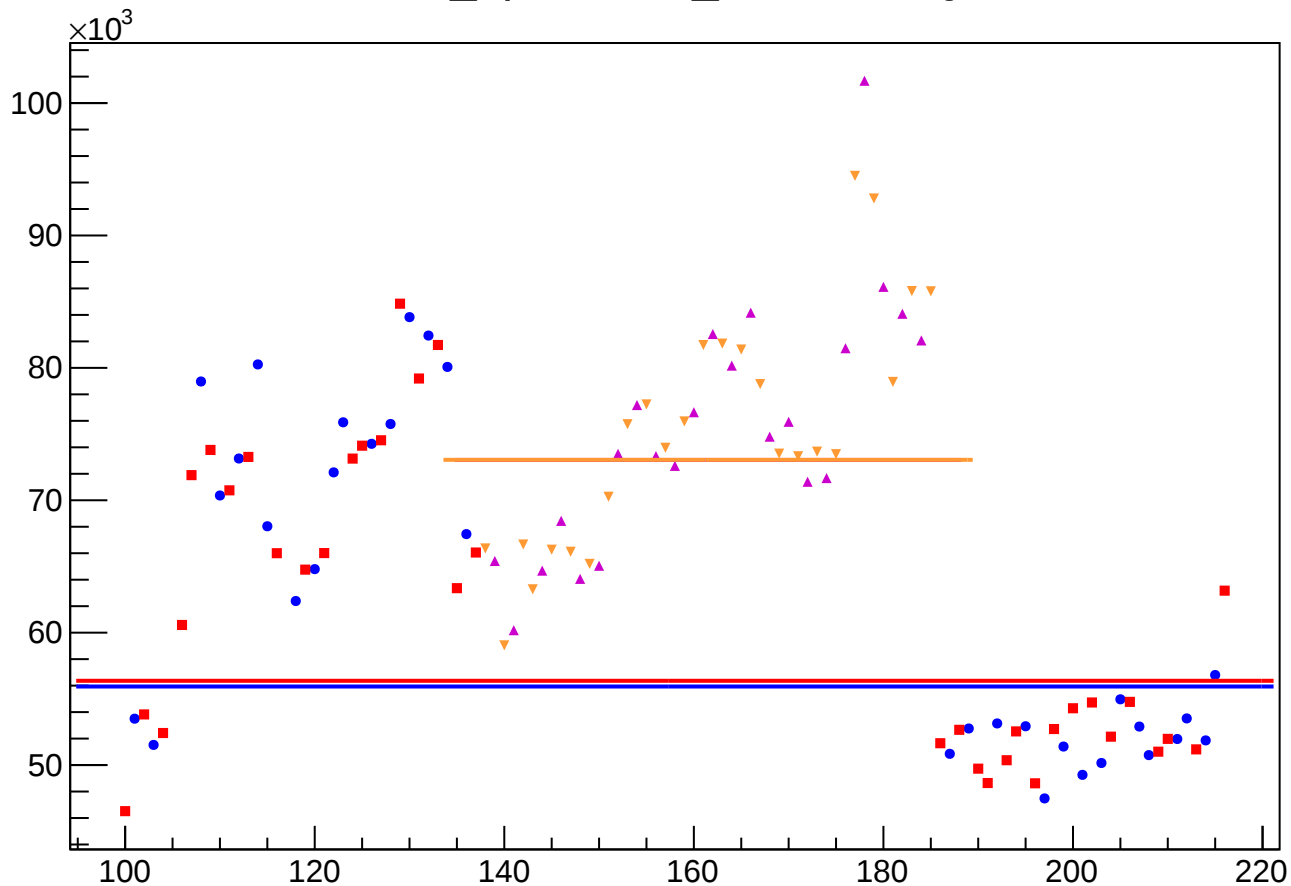
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign -0.791 ± 10.658 χ^2/NDF : 111.7/56

All: -19.634 ± 7.559 χ^2/NDF : 264.8/114

- sign -38.701 ± 10.721 χ^2/NDF : 146.8/57

diff_bpm0r03X_rms vs Slug



Right In: 55932.372 $\pm$ 9.621 χ^2 /NDF: 814226.4/31

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

Right Out: 56365.251 $\pm$ 9.536 χ^2 /NDF: 785895.7/34

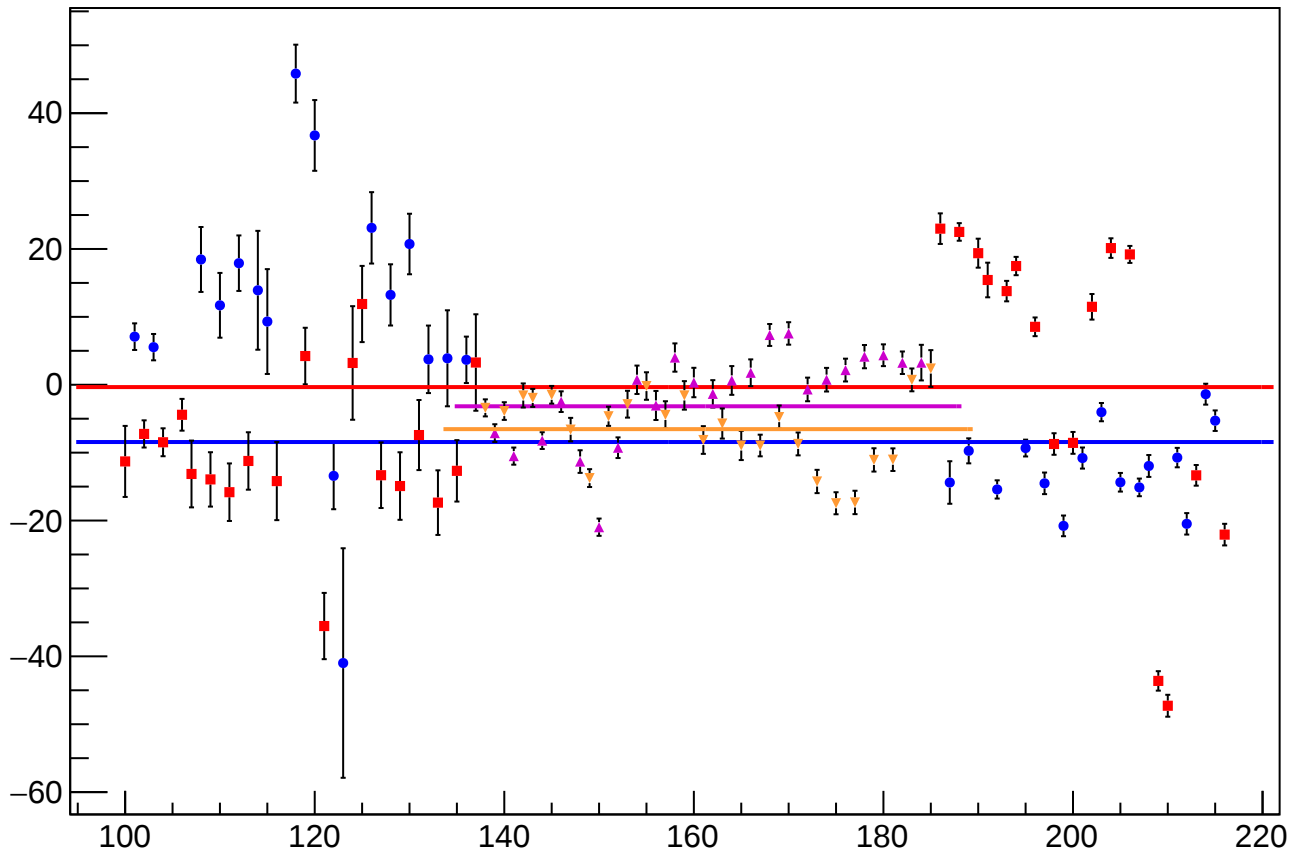
Left In: 73045.500 $\pm$ 12.496 χ^2 /NDF: 463525.5/22

+ sign 62548.167 $\pm$ 7.536 χ^2 /NDF: 2511044.9/56

All: 62526.559 $\pm$ 5.345 χ^2 /NDF: 4886525.0/100

- sign 62504.694 $\pm$ 7.581 χ^2 /NDF: 2375463.6/57

diff_bpm0r03Y_mean vs Slug



Right In: -8.435 ± 0.359 χ^2/NDF : 843.2/31

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

Right Out: -0.343 ± 0.356 χ^2/NDF : 3576.9/34

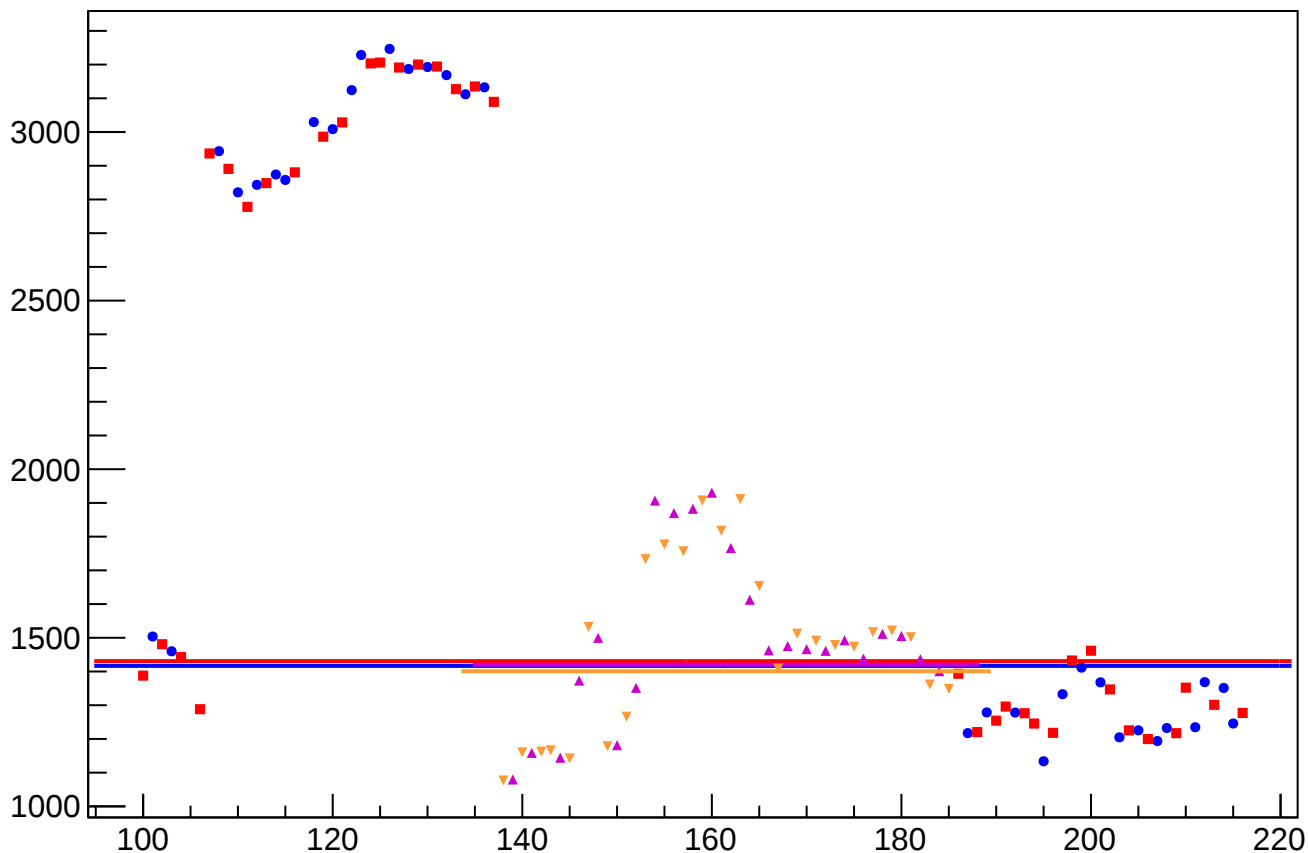
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

+ sign -7.412 ± 0.244 χ^2/NDF : 1111.0/56

All: -4.657 ± 0.174 χ^2/NDF : 5468.6/114

- sign -1.795 ± 0.248 χ^2/NDF : 4096.7/57

diff_bpm0r03Y_rms vs Slug



Right In: 1416.689 $\pm$ 0.254 χ^2 /NDF: 3612302.1/31

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

Right Out: 1430.750 $\pm$ 0.252 χ^2 /NDF: 3573595.0/34

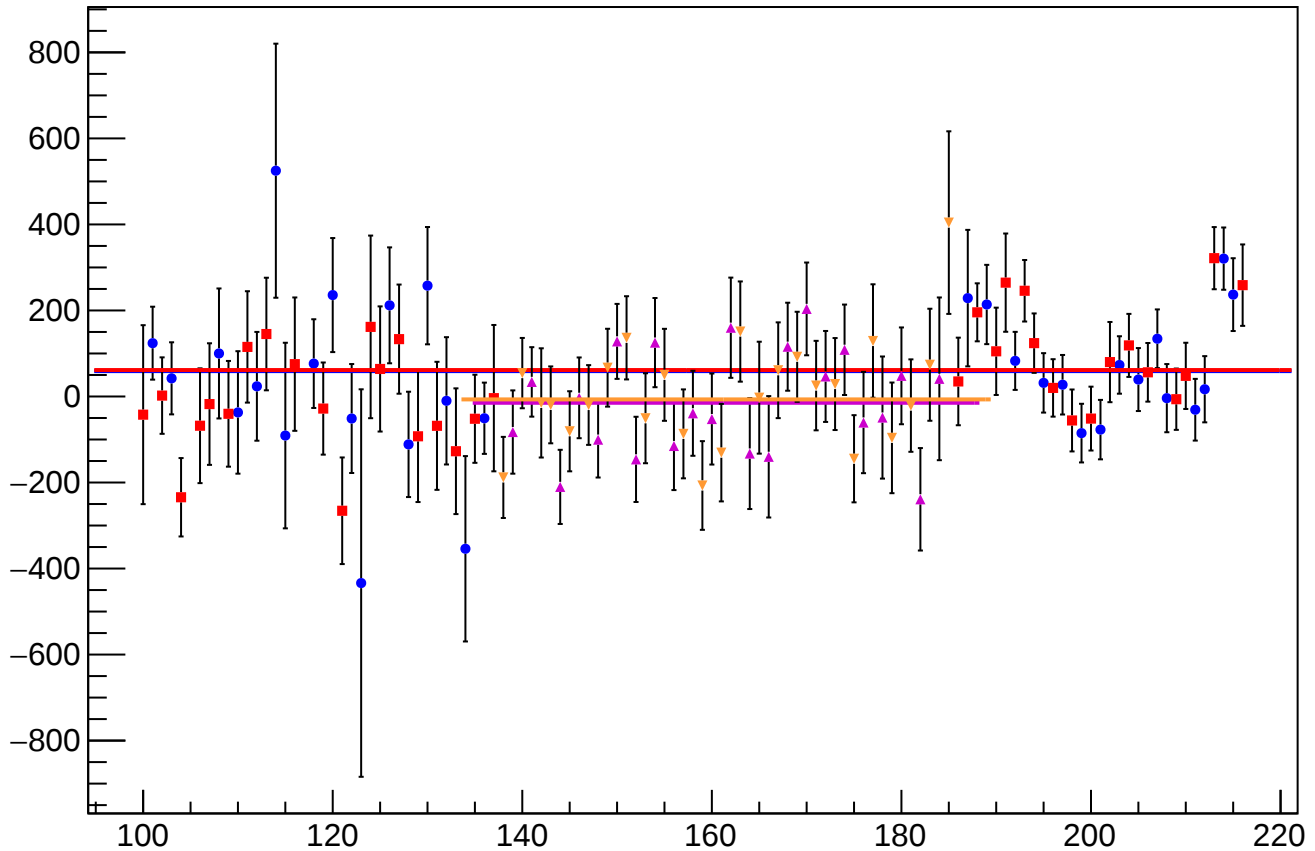
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF:905186.2/22

+ sign 1408.039 $\pm$ 0.172 χ^2 /NDF: 4652382.0/56

All: 1416.543 $\pm$ 0.123 χ^2 /NDF: 9137021.2/11

- sign 1425.377 $\pm$ 0.176 χ^2 /NDF: 4479669.0/57

diff_bpm0r05X_mean vs Slug



Right In: 58.999 $\pm$ 16.275 χ^2 /NDF: 53.1/31

Left Out: -6.789 $\pm$ 21.213 χ^2 /NDF: 24.7/24

Right Out: 61.457 $\pm$ 16.158 χ^2 /NDF: 65.9/34

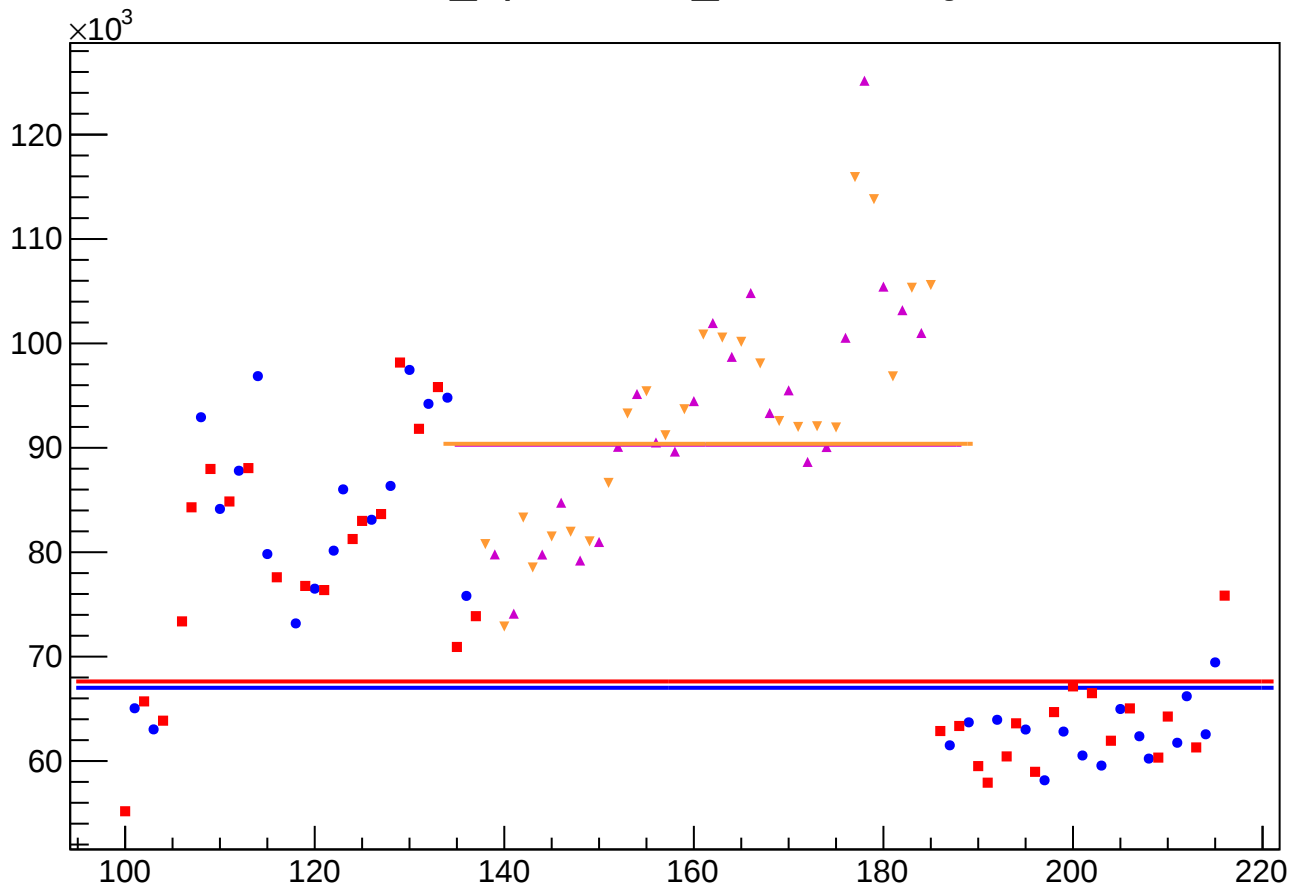
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF: 29.8/22

+ sign 34.624 $\pm$ 12.912 χ^2 /NDF: 83.8/56

All: 34.591 $\pm$ 9.158 χ^2 /NDF: 187.3/114

- sign 34.558 $\pm$ 12.991 χ^2 /NDF: 103.5/57

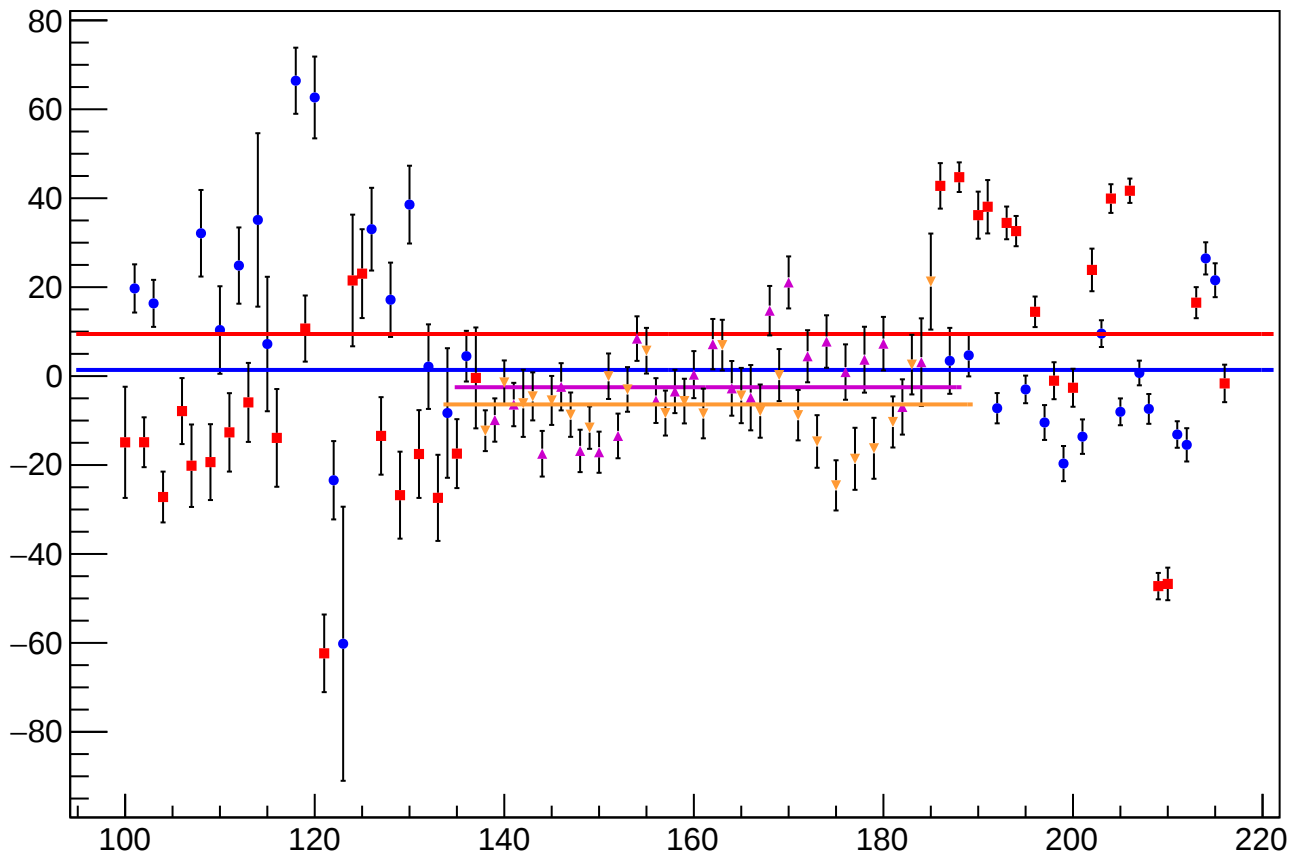
diff_bpm0r05X_rms vs Slug



Right In: 67014.706 ± 11.508 $\chi^2/\text{NDF}: 663271.5/31$
 Left Out: 90384.853 ± 15.000 $\chi^2/\text{NDF}: 461648.2/24$
 Right Out: 67622.044 ± 11.426 $\chi^2/\text{NDF}: 663215.8/34$
 Left In: 90293.591 ± 15.448 $\chi^2/\text{NDF}: 461337.5/22$

+ sign 75673.554 ± 9.130 $\chi^2/\text{NDF}: 2652953.6/56$
 All: 75656.394 ± 6.476 $\chi^2/\text{NDF}: 5169822.1/100$
 - sign 75639.024 ± 9.186 $\chi^2/\text{NDF}: 2516861.4/57$

diff_bpm0r05Y_mean vs Slug



Right In: 1.385 ± 0.828 χ^2/NDF : 413.1/31

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

Right Out: 9.466 ± 0.842 χ^2/NDF : 1390.4/34

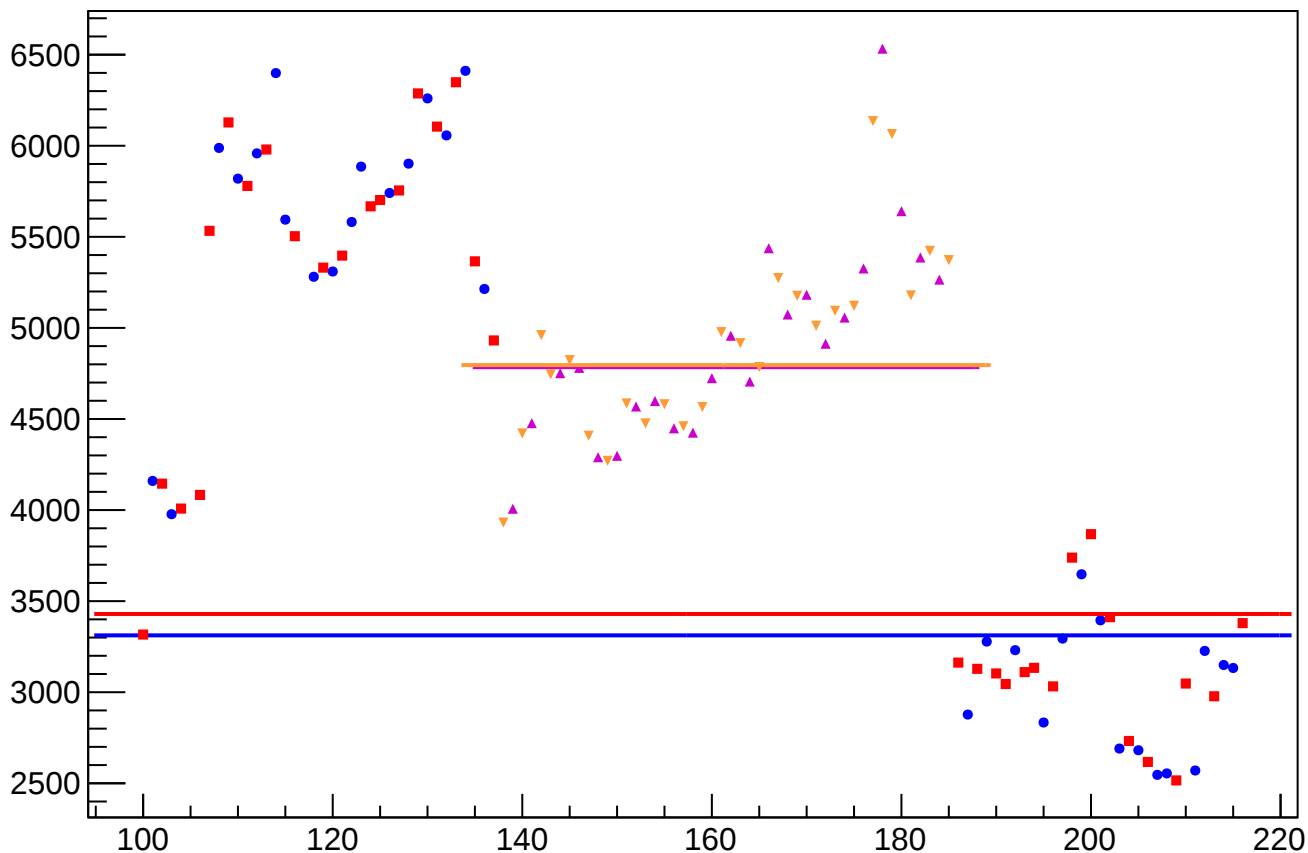
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -1.346 ± 0.667 χ^2/NDF : 489.4/56

All: 1.918 ± 0.476 χ^2/NDF : 2077.1/114

- sign 5.317 ± 0.681 χ^2/NDF : 1538.8/57

diff_bpm0r05Y_rms vs Slug



Right In: 3312.184+/-0.586 χ^2/NDF : 2695323.3/31

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

Right Out: 3429.520+/-0.595 χ^2/NDF : 2574831.0/34

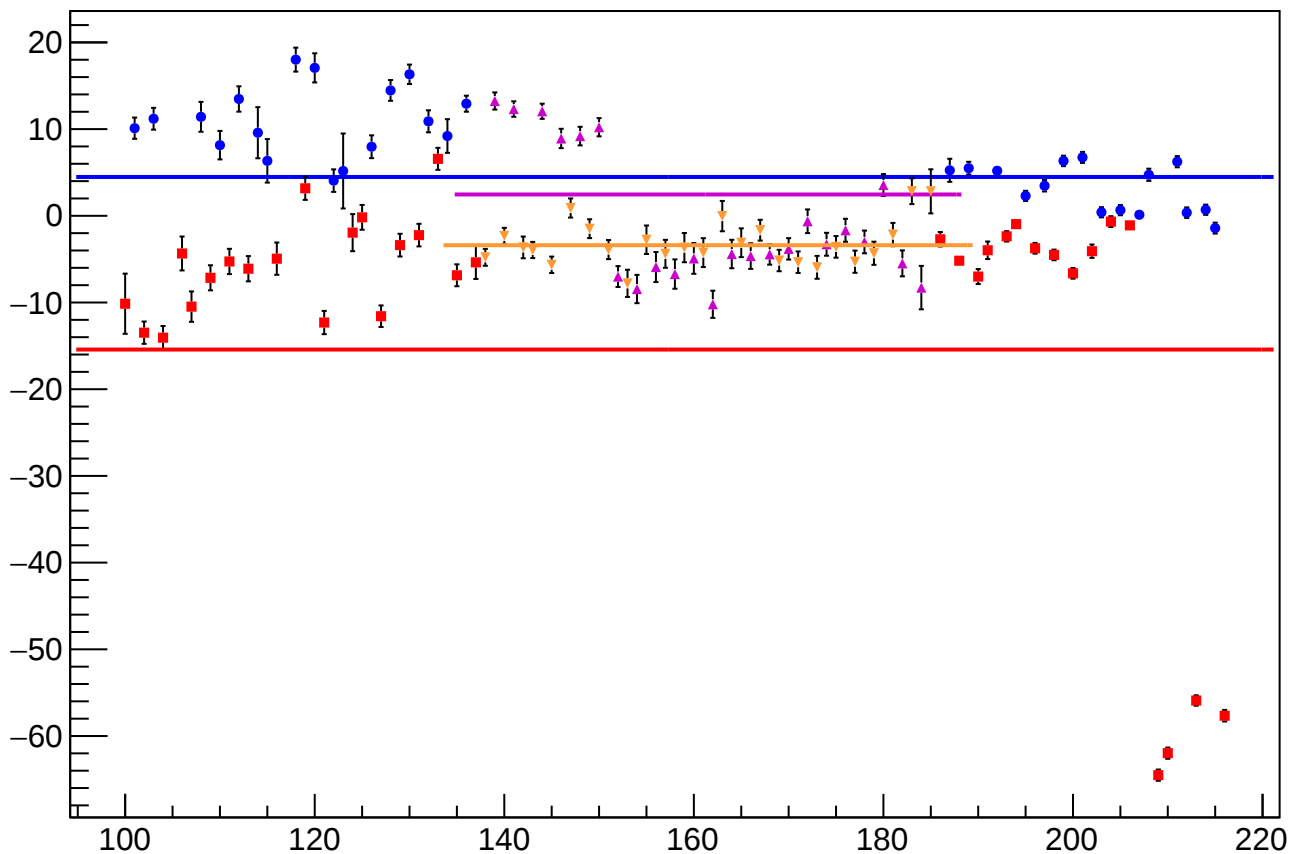
Left In: 4784.434+/-0.817 χ^2/NDF : 357507.2/22

+ sign 3834.556+/-0.472 χ^2/NDF : 5314911.0/56

All: 3866.246+/-0.337 χ^2/NDF : 10051695.1/100

- sign 3899.255+/-0.481 χ^2/NDF : 4727563.5/57

diff_bpm2i01X_mean vs Slug



Right In: 4.480 ± 0.147 χ^2/NDF : 940.6/31

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

Right Out: -15.426 ± 0.145 χ^2/NDF : 24815.9/34

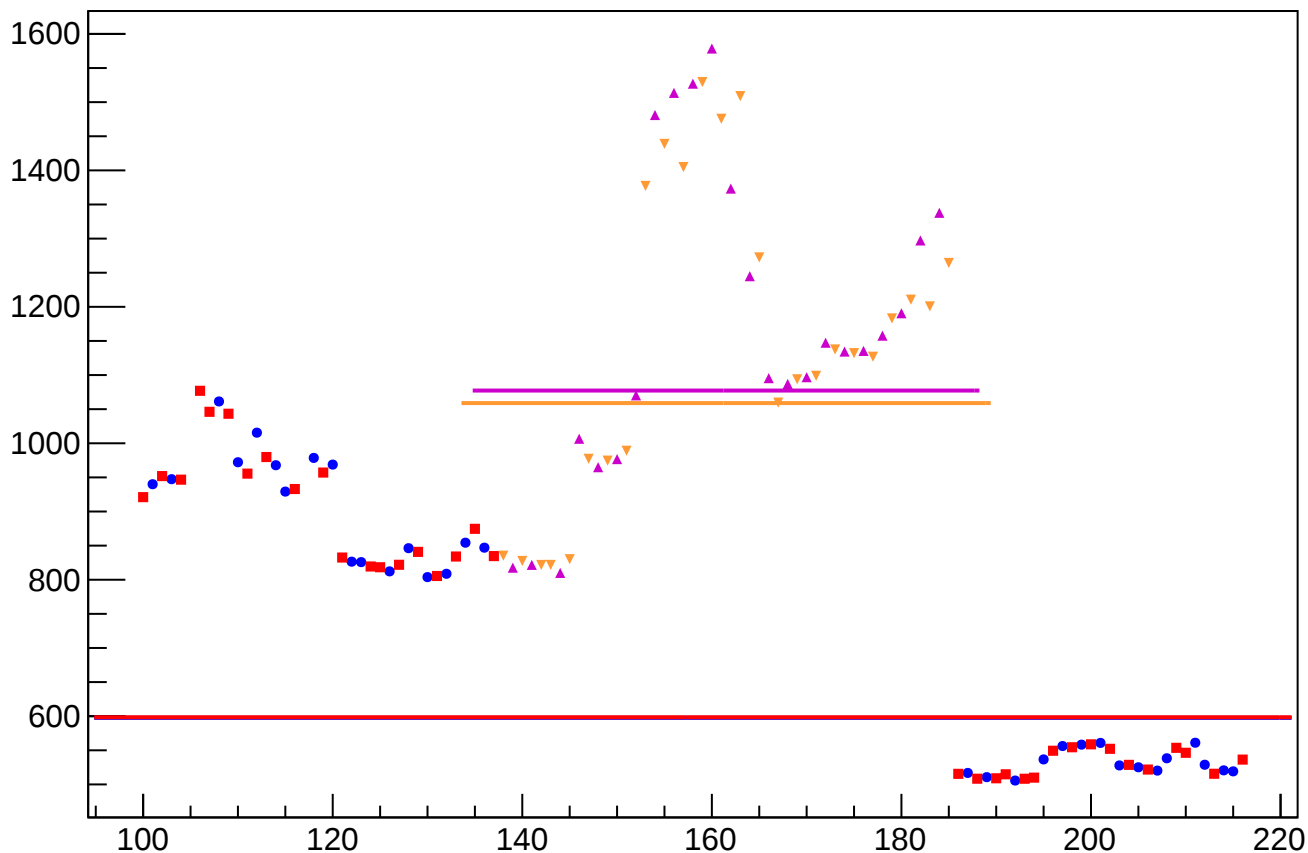
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.481 ± 0.127 χ^2/NDF : 1744.4/56

All: -4.379 ± 0.090 χ^2/NDF : 36839.4/114

- sign -11.271 ± 0.127 χ^2/NDF : 29258.1/57

diff_bpm2i01X_rms vs Slug



Right In: 597.594 $\pm$ 0.104 χ^2 /NDF: 1896010.3/31

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

Right Out: 598.426 $\pm$ 0.103 χ^2 /NDF: 2103881.6/34

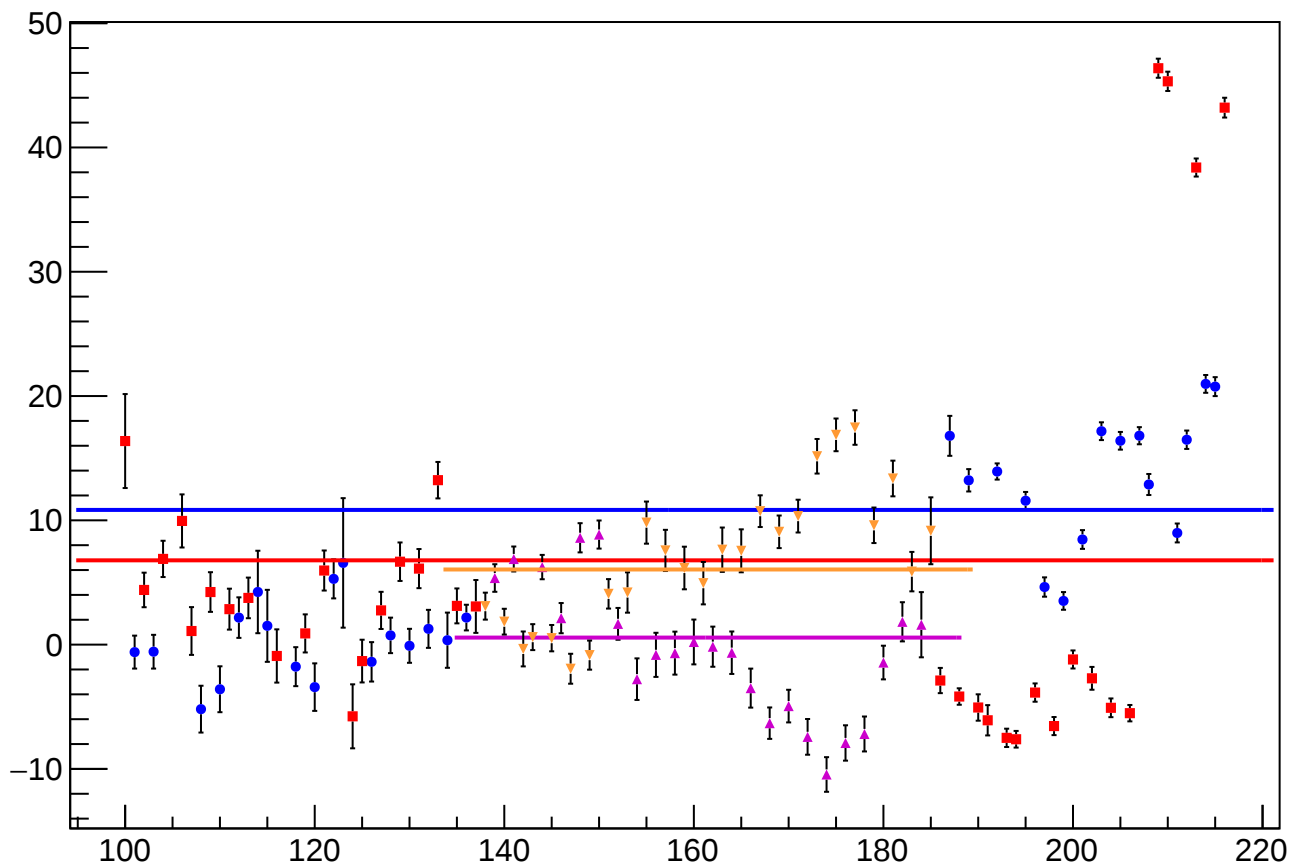
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF: 1280349.9/22

+ sign 714.773 $\pm$ 0.090 χ^2 /NDF: 8289829.1/56

All: 712.224 $\pm$ 0.064 χ^2 /NDF: 16713316.6/1

- sign 709.664 $\pm$ 0.090 χ^2 /NDF: 8421876.1/57

diff_bpm2i01Y_mean vs Slug



Right In: 10.838 $\pm$ 0.176 χ^2 /NDF: 1638.3/31

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

Right Out: 6.781 $\pm$ 0.173 χ^2 /NDF: 12048.8/34

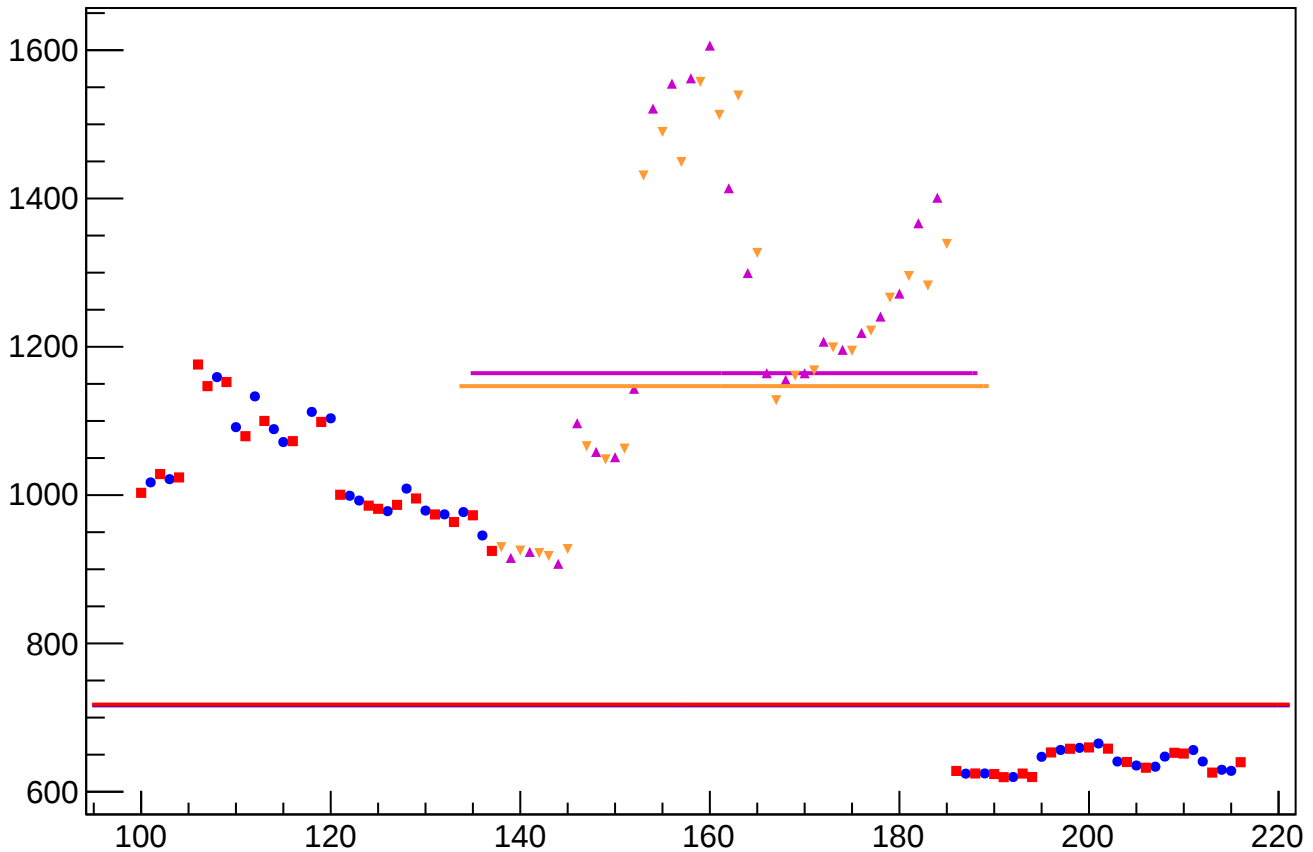
Left In: 0.566 $\pm$ 0.284 χ^2 /NDF: 417.0/22

+ sign 9.425 $\pm$ 0.147 χ^2 /NDF: 2288.6/56

All: 7.268 $\pm$ 0.104 χ^2 /NDF: 15532.6/114

- sign 5.094 $\pm$ 0.148 χ^2 /NDF: 12814.4/57

diff_bpm2i01Y_rms vs Slug



Right In: 716.493+/-0.124 χ^2/NDF : 1562707.9/31

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

Right Out: 717.542+/-0.123 χ^2/NDF : 1721175.1/34

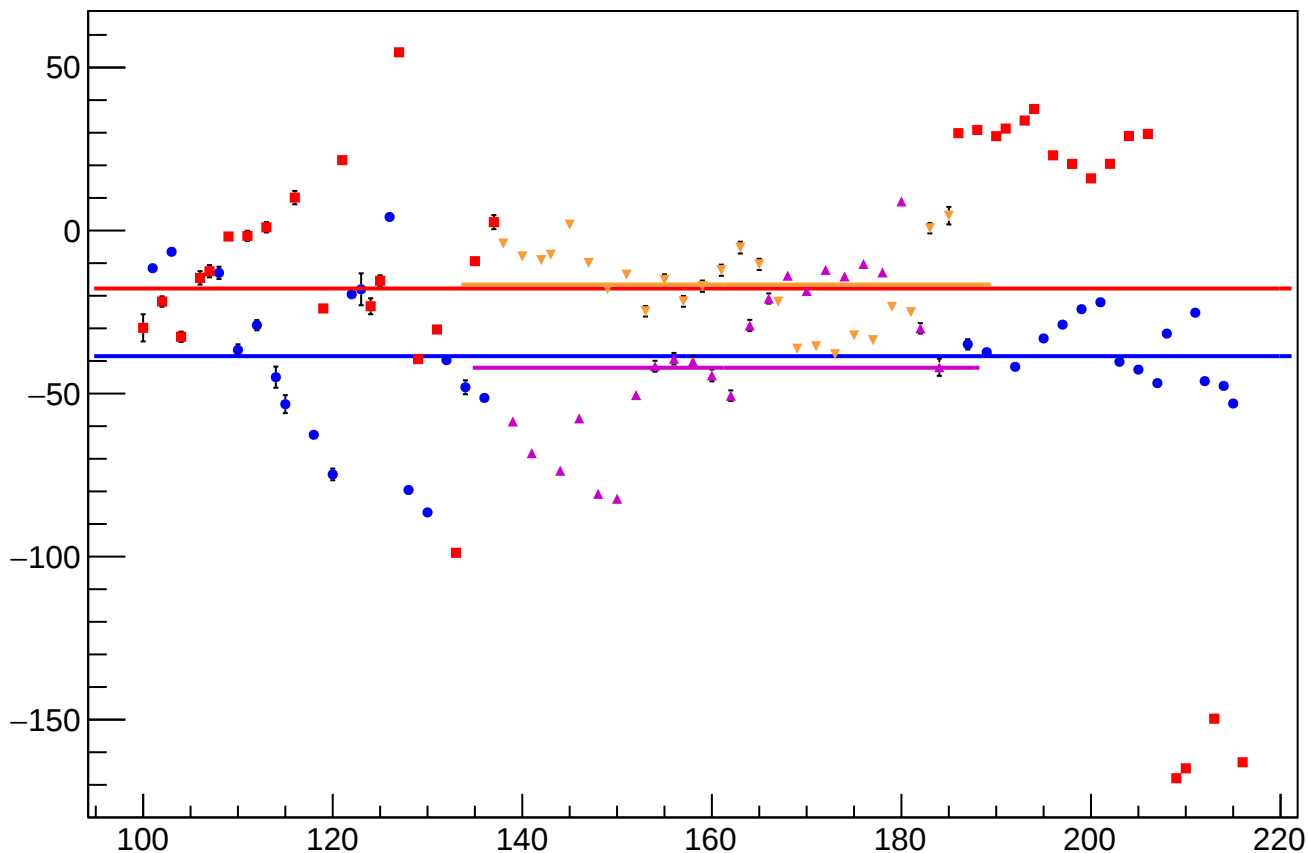
Left In: 1164.432+/-0.201 χ^2/NDF : 944112.0/22

+ sign 843.365+/-0.104 χ^2/NDF : 6149874.2/56

All: 841.113+/-0.074 χ^2/NDF : 12420943.7/1

- sign 838.846+/-0.105 χ^2/NDF : 6270134.1/57

diff_bpm2i02X_mean vs Slug



Right In: -38.523 ± 0.174 χ^2/NDF : 7509.0/31

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

Right Out: -17.772 ± 0.171 χ^2/NDF : 188264.7/34

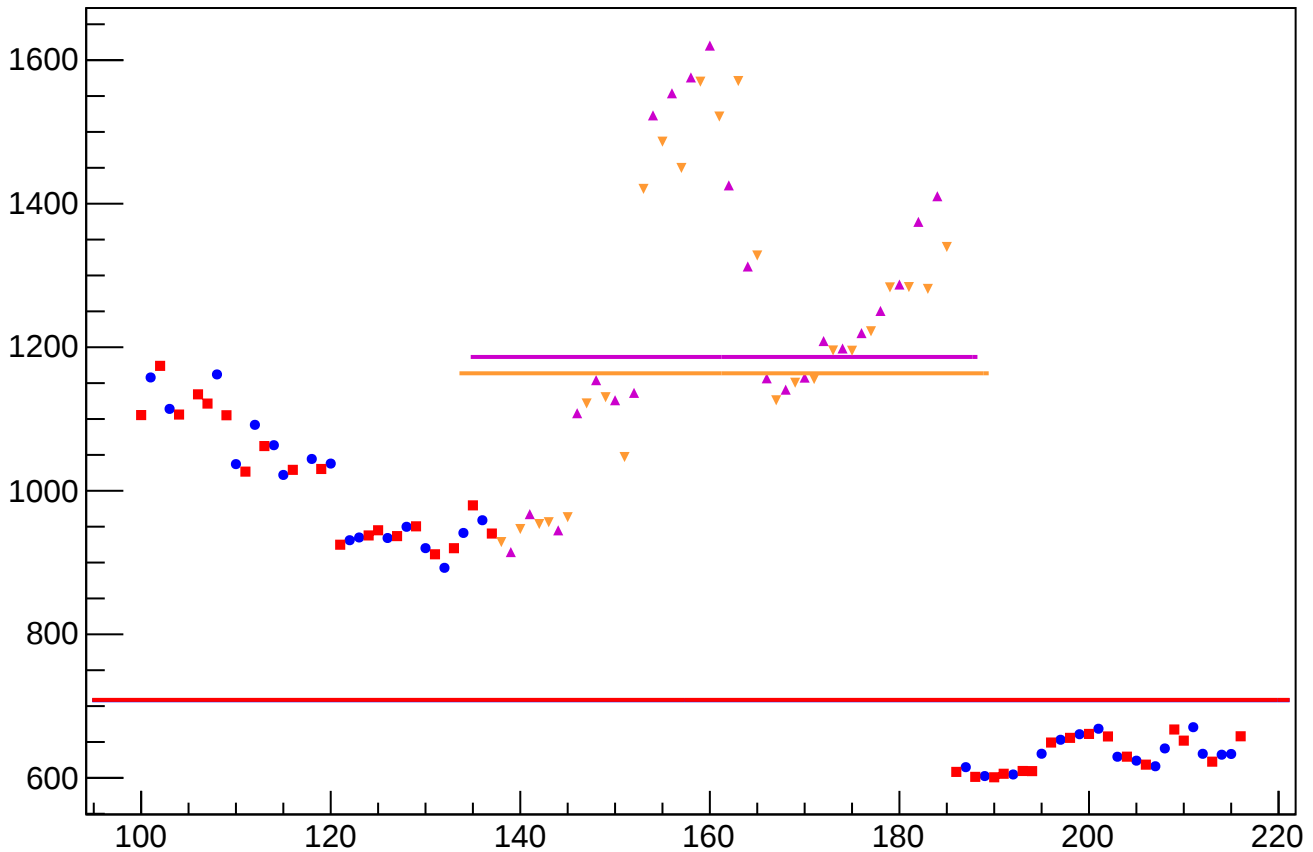
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -32.280 ± 0.147 χ^2/NDF : 13993.6/56

All: -28.196 ± 0.104 χ^2/NDF : 217378.0/114

- sign -24.082 ± 0.147 χ^2/NDF : 201830.1/57

diff_bpm2i02X_rms vs Slug



Right In: 708.149+/-0.123 χ^2/NDF : 1551051.0/31

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

Right Out: 708.676+/-0.121 χ^2/NDF : 1701783.9/34

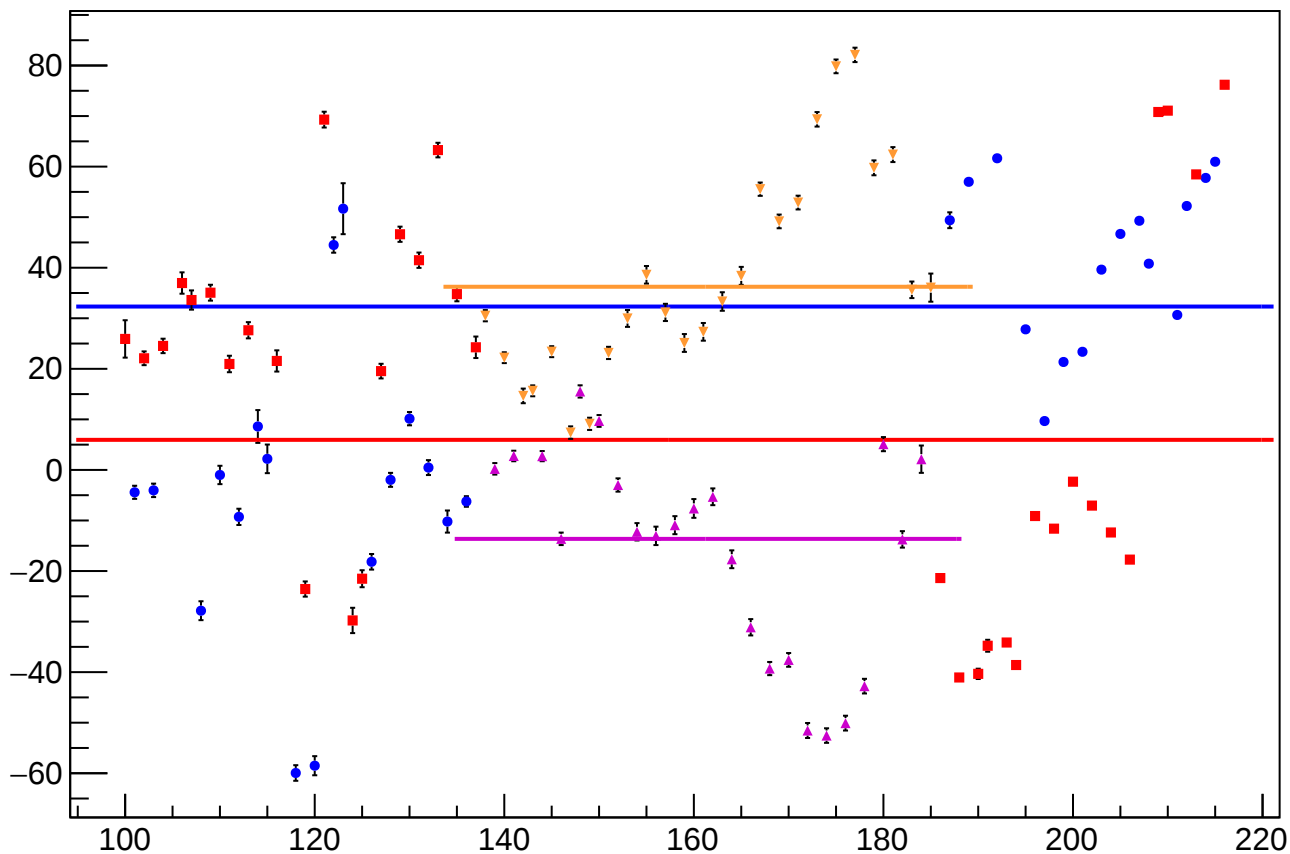
Left In: 1186.476+/-0.204 χ^2/NDF : 833420.3/22

+ sign 837.677+/-0.104 χ^2/NDF : 6407318.0/56

All: 835.210+/-0.074 χ^2/NDF : 12988501.3/11

- sign 832.724+/-0.104 χ^2/NDF : 6580048.5/57

diff_bpm2i02Y_mean vs Slug



Right In: 32.320 ± 0.171 $\chi^2/\text{NDF}: 23189.2/31$

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

Right Out: 5.951 ± 0.169 $\chi^2/\text{NDF}: 56540.0/34$

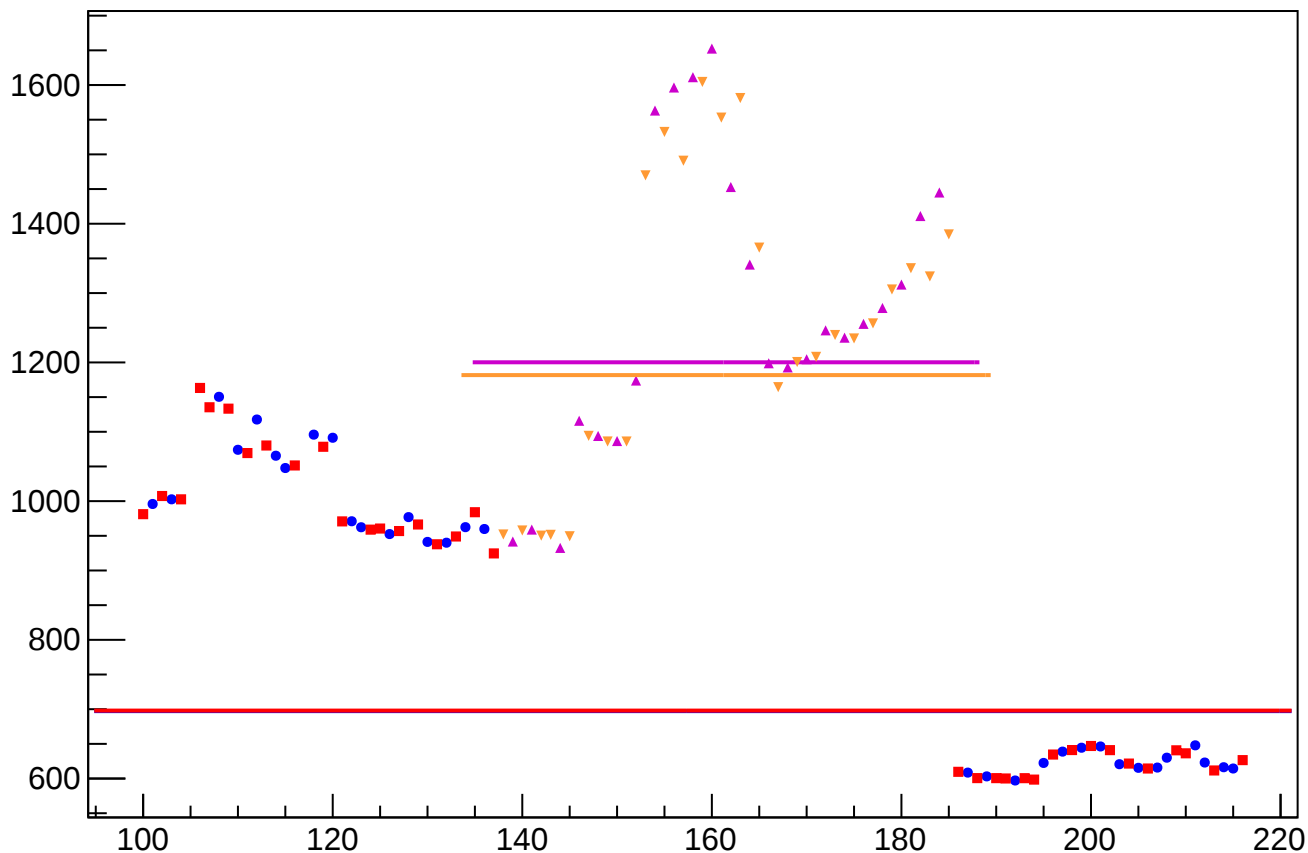
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 33.384 ± 0.146 $\chi^2/\text{NDF}: 29125.9/56$

All: 17.259 ± 0.103 $\chi^2/\text{NDF}: 118677.0/114$

- sign 1.063 ± 0.146 $\chi^2/\text{NDF}: 65078.0/57$

diff_bpm2i02Y_rms vs Slug



Right In: 697.213 ± 0.121 $\chi^2/\text{NDF}: 1627223.4/31$

Left Out: 1181.732 ± 0.198 $\chi^2/\text{NDF}: 1043520.8/24$

Right Out: 697.987 ± 0.119 $\chi^2/\text{NDF}: 1791590.5/34$

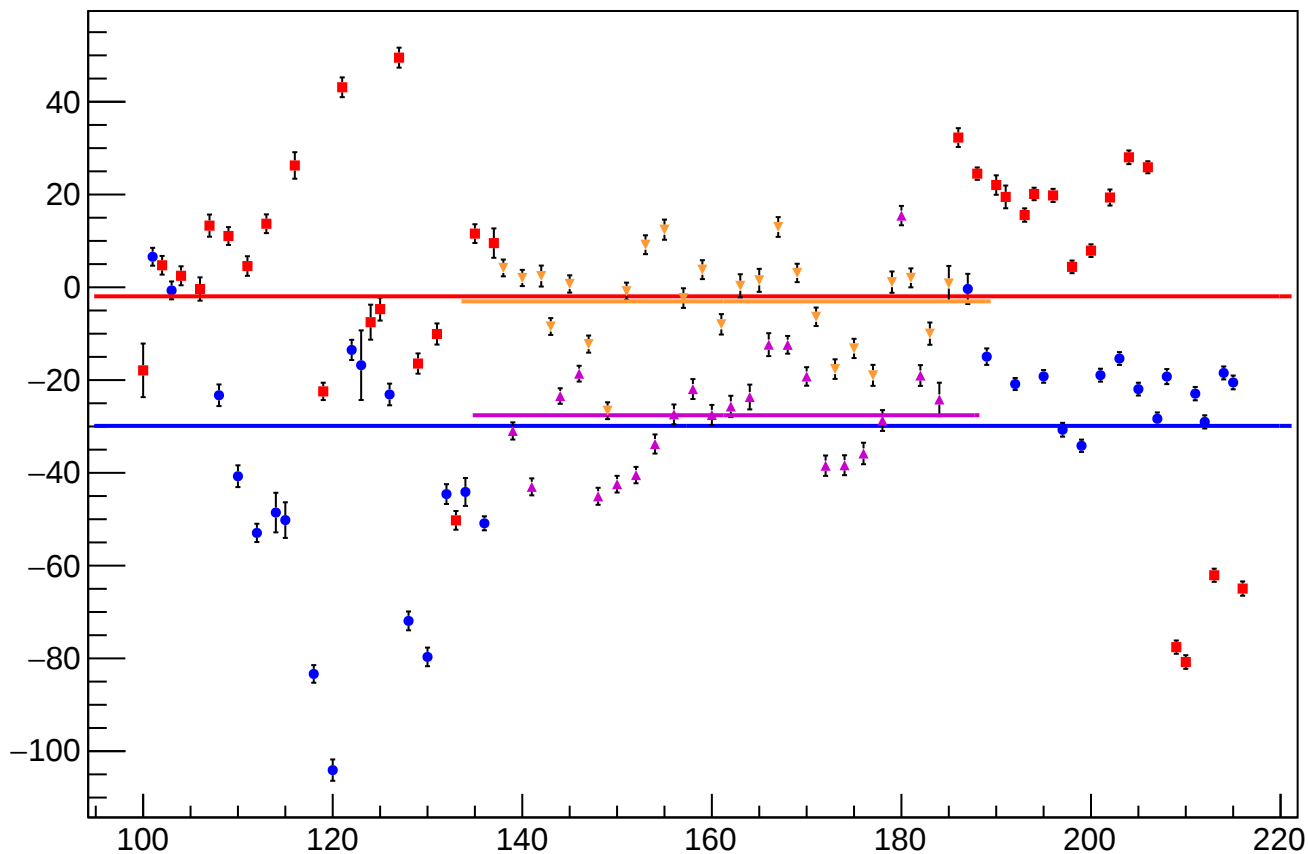
Left In: 1200.198 ± 0.207 $\chi^2/\text{NDF}: 938224.7/22$

+ sign 828.936 ± 0.103 $\chi^2/\text{NDF}: 7035294.0/56$

All: 826.120 ± 0.073 $\chi^2/\text{NDF}: 14182600.9/1$

- sign 823.291 ± 0.103 $\chi^2/\text{NDF}: 7145813.8/57$

diff_bpm0i02X_mean vs Slug



Right In: -29.876 ± 0.310 $\chi^2/\text{NDF}: 4662.7/31$

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

Right Out: -1.947 ± 0.305 $\chi^2/\text{NDF}: 13862.8/34$

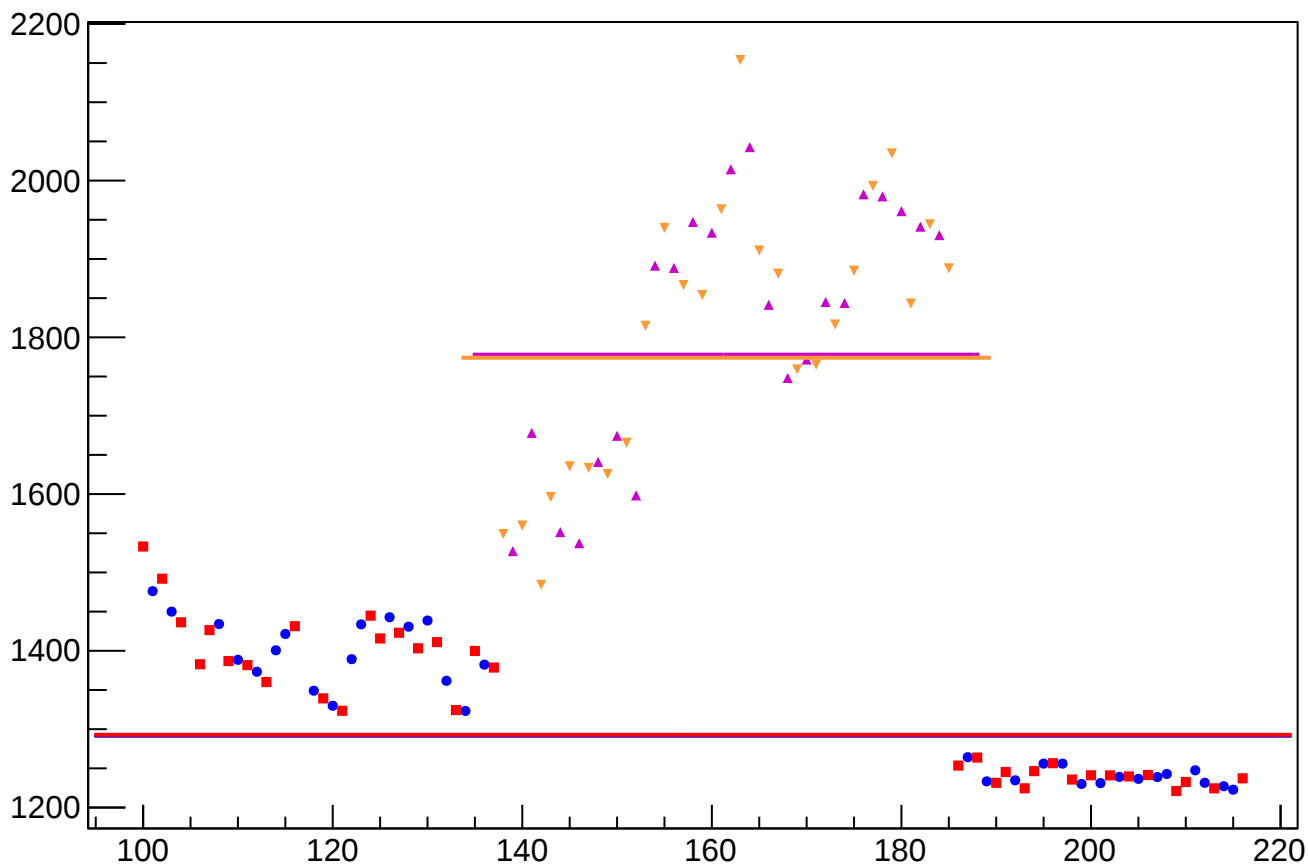
Left In: -27.583 ± 0.429 $\chi^2/\text{NDF}: 960.1/22$

+ sign -20.271 ± 0.248 $\chi^2/\text{NDF}: 7902.9/56$

All: -15.431 ± 0.176 $\chi^2/\text{NDF}: 25856.7/114$

- sign -10.570 ± 0.249 $\chi^2/\text{NDF}: 17192.3/57$

diff_bpm0i02X_rms vs Slug



Right In: 1291.621+/-0.219 χ^2/NDF : 136689.5/31

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

Right Out: 1292.783+/-0.216 χ^2/NDF : 133890.5/34

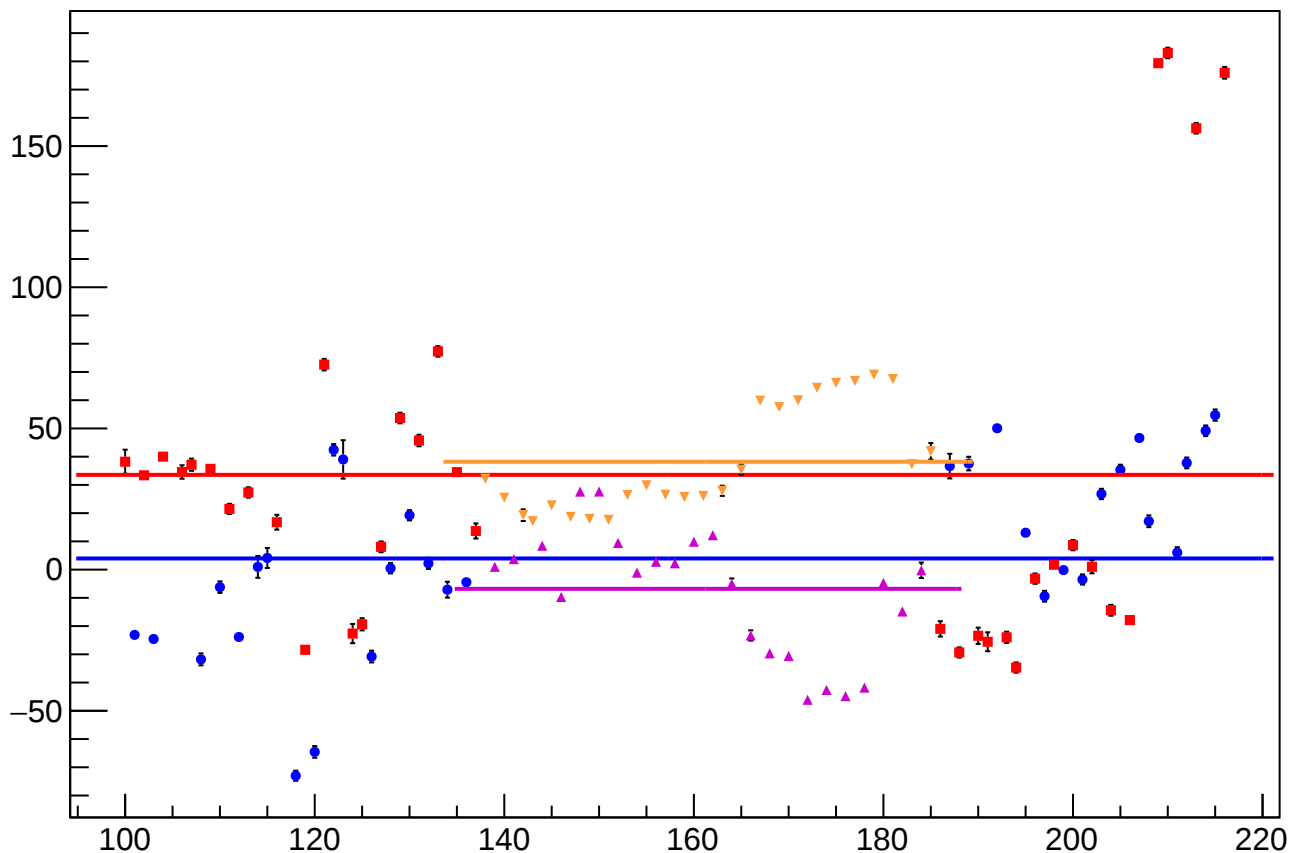
Left In: 1777.884+/-0.303 χ^2/NDF : 299514.0/22

+ sign 1464.236+/-0.176 χ^2/NDF : 2183909.2/56

All: 1460.106+/-0.124 χ^2/NDF : 4315307.9/11

- sign 1455.959+/-0.176 χ^2/NDF : 2130289.8/57

diff_bpm0i02Y_mean vs Slug



Right In: 3.947 ± 0.344 χ^2/NDF : 8627.1/31

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

Right Out: 33.563 ± 0.336 χ^2/NDF : 33239.3/34

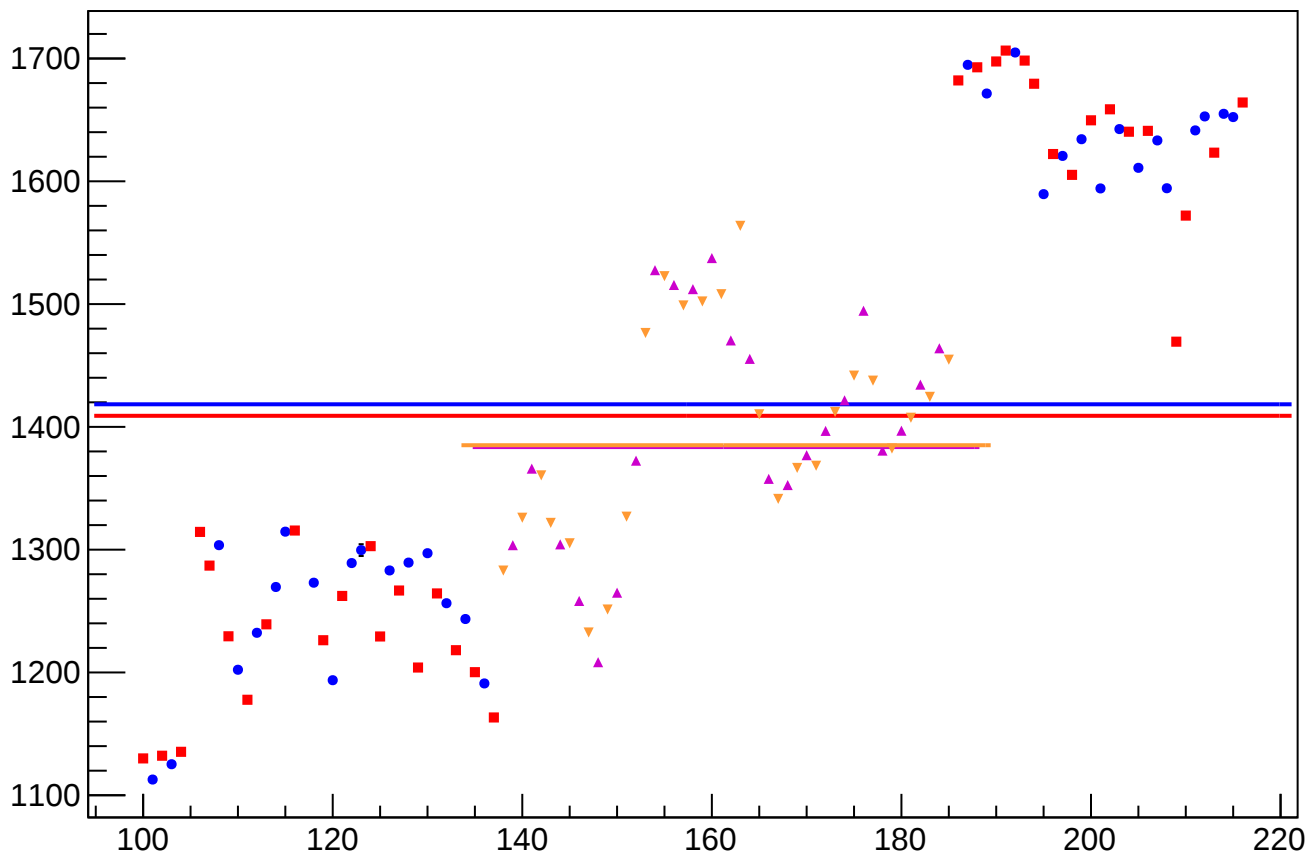
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 22.110 ± 0.235 χ^2/NDF : 17414.8/56

All: 17.669 ± 0.167 χ^2/NDF : 63143.7/114

- sign 13.186 ± 0.237 χ^2/NDF : 45014.1/57

diff_bpm0i02Y_rms vs Slug



Right In: 1418.394+/-0.243 χ^2/NDF : 760778.8/31

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

Right Out: 1409.019+/-0.238 χ^2/NDF : 818242.8/34

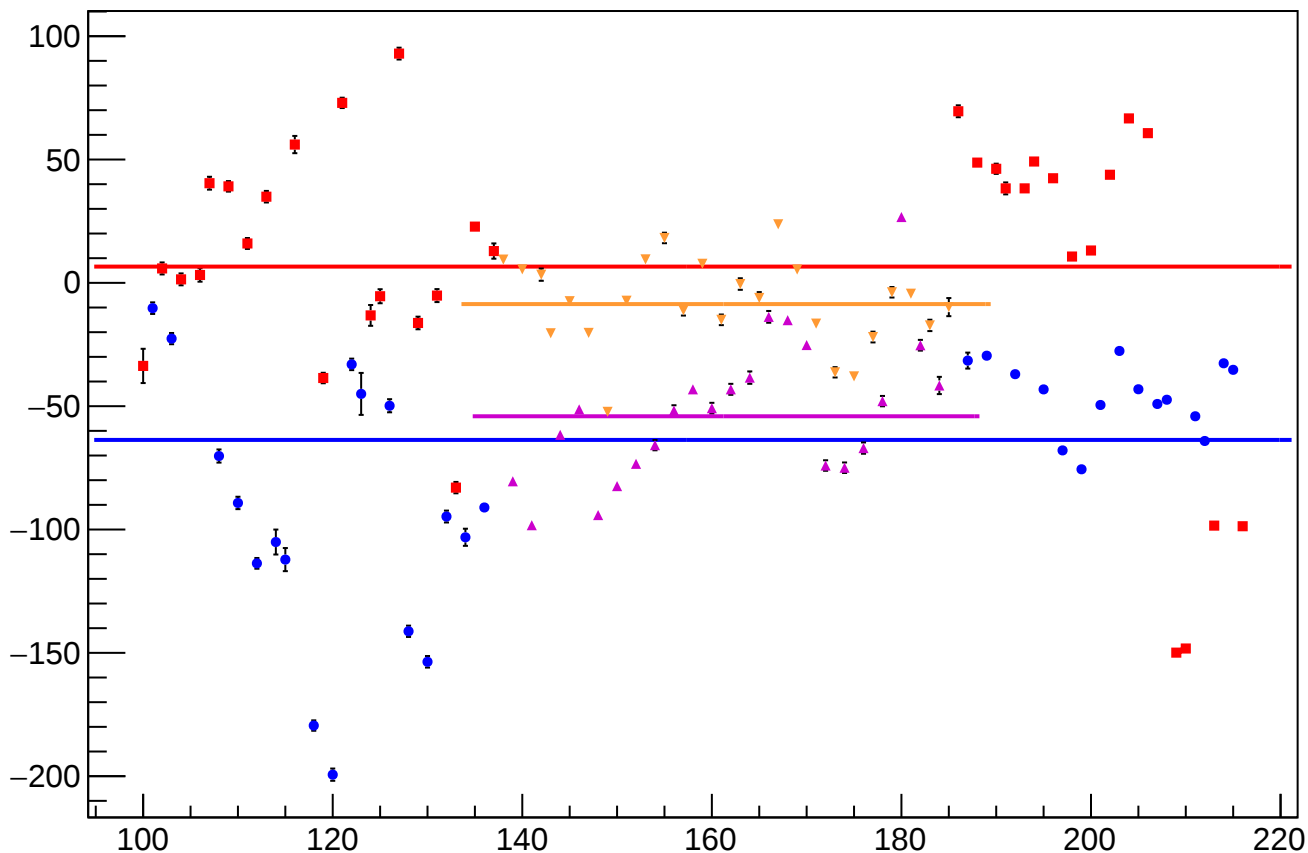
Left In: 1383.558+/-0.235 χ^2/NDF : 154696.0/22

+ sign 1400.724+/-0.166 χ^2/NDF : 916763.3/56

All: 1398.456+/-0.118 χ^2/NDF : 1895866.1/11

- sign 1396.168+/-0.167 χ^2/NDF : 978730.2/57

diff_bpm0i02aX_mean vs Slug



Right In: -63.674 ± 0.349 χ^2/NDF : 13792.8/31

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

Right Out: 6.592 ± 0.340 χ^2/NDF : 36310.8/34

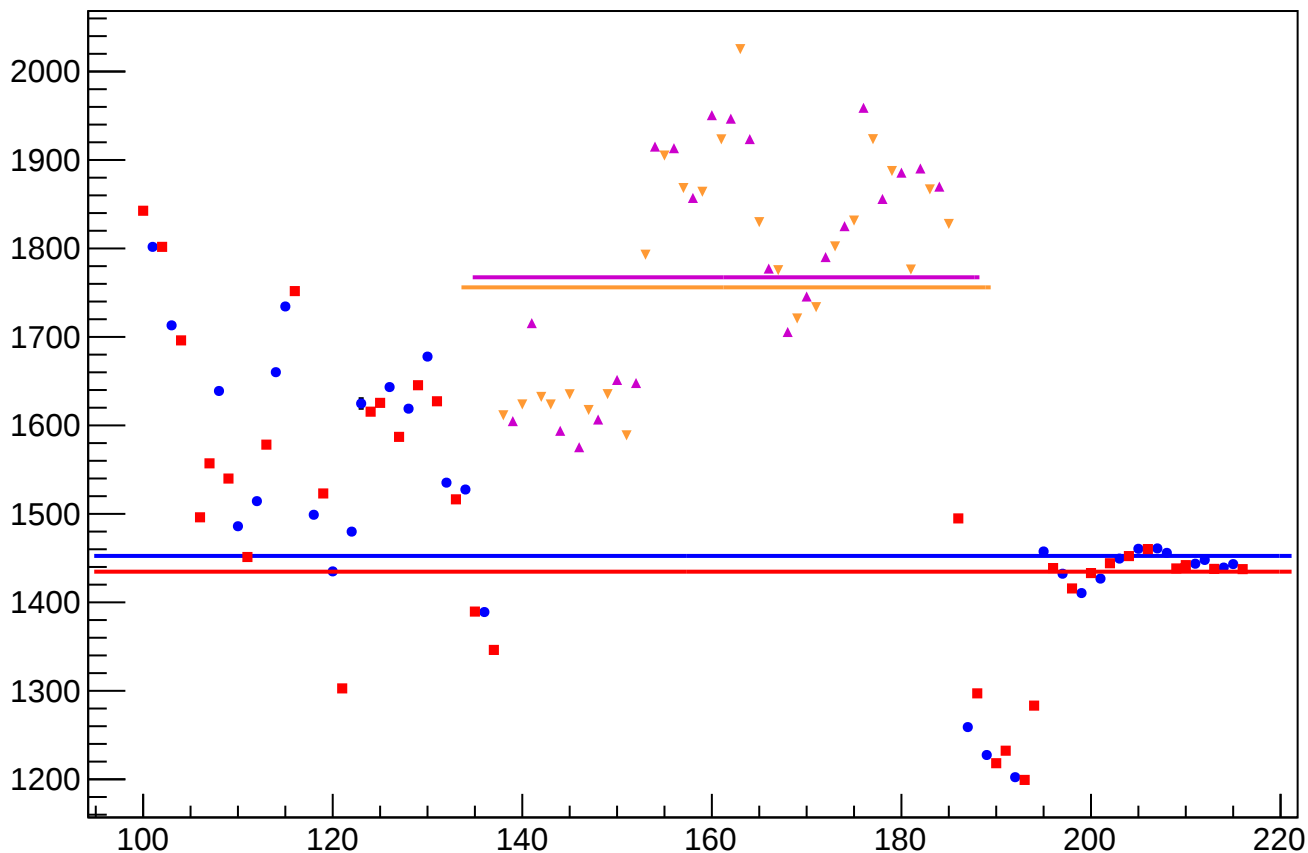
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -40.540 ± 0.266 χ^2/NDF : 26173.7/56

All: -28.768 ± 0.188 χ^2/NDF : 83535.7/114

- sign -17.026 ± 0.266 χ^2/NDF : 53446.3/57

diff_bpm0i02aX_rms vs Slug



Right In: 1452.483+/-0.247 χ^2/NDF : 261875.2/31

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

Right Out: 1434.669+/-0.240 χ^2/NDF : 308806.5/34

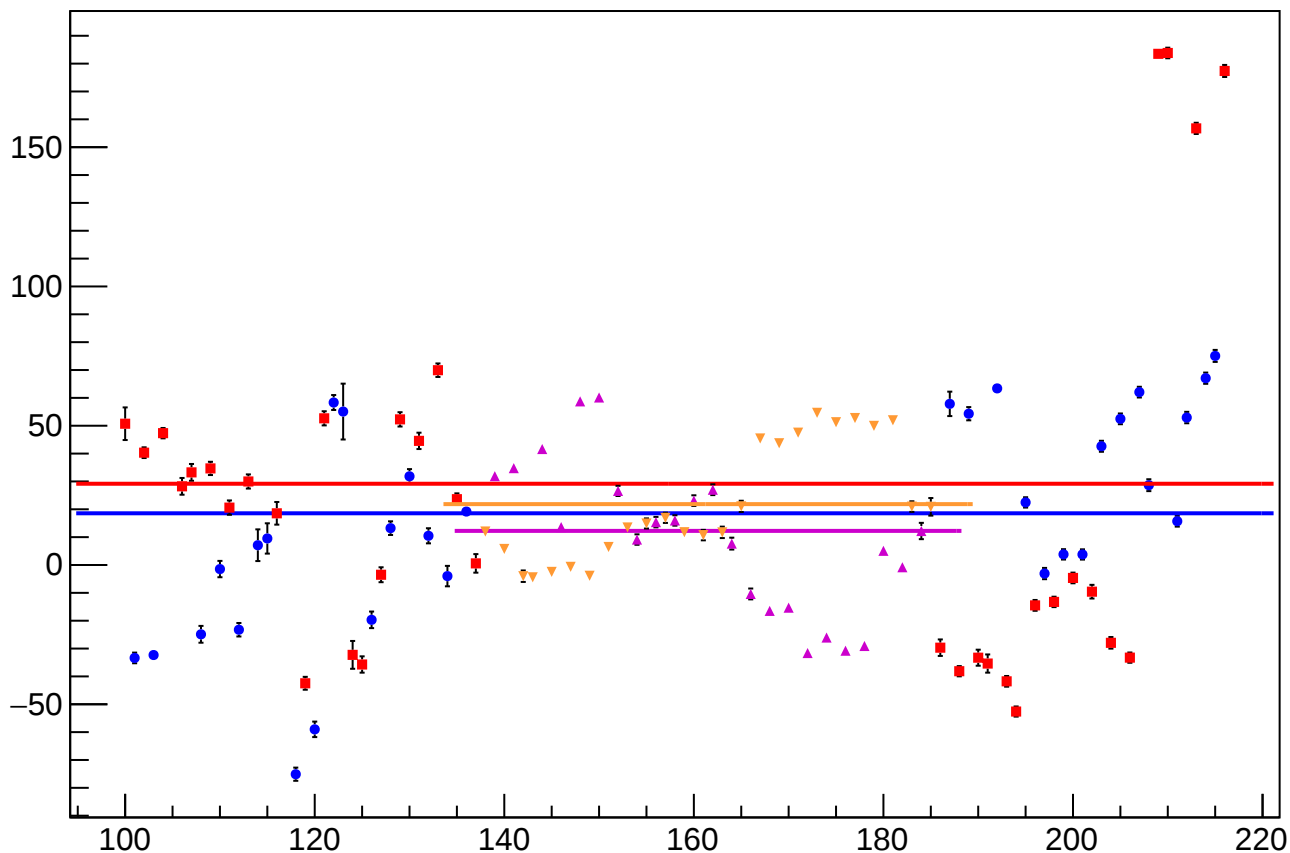
Left In: 1767.410+/-0.301 χ^2/NDF : 187958.2/22

+ sign 1580.003+/-0.188 χ^2/NDF : 1072702.1/56

All: 1572.080+/-0.133 χ^2/NDF : 2319546.8/11

- sign 1564.178+/-0.188 χ^2/NDF : 1243297.8/57

diff_bpm0i02aY_mean vs Slug



Right In: 18.564 ± 0.402 χ^2/NDF : 8677.1/31

Left Out: 21.856 ± 0.335 χ^2/NDF : 4110.5/24

Right Out: 29.171 ± 0.390 χ^2/NDF : 35996.3/34

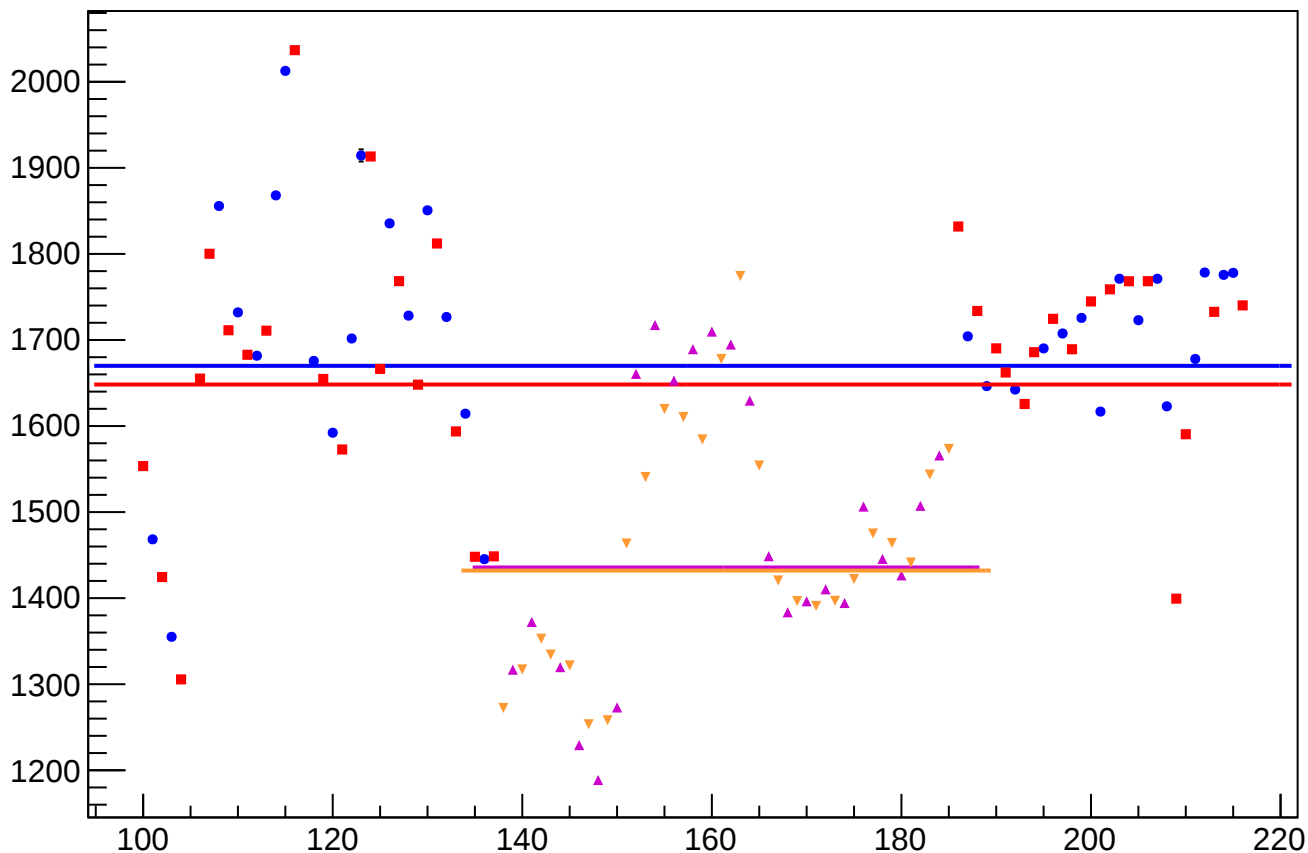
Left In: 12.246 ± 0.347 χ^2/NDF : 6781.6/22

+ sign 20.503 ± 0.257 χ^2/NDF : 12827.3/56

All: 20.112 ± 0.183 χ^2/NDF : 56659.4/114

- sign 19.715 ± 0.259 χ^2/NDF : 43827.5/57

diff_bpm0i02aY_rms vs Slug



Right In: 1669.935 $\pm$ 0.284 χ^2 /NDF: 198783.7/31

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

Right Out: 1648.260 $\pm$ 0.276 χ^2 /NDF: 262431.7/34

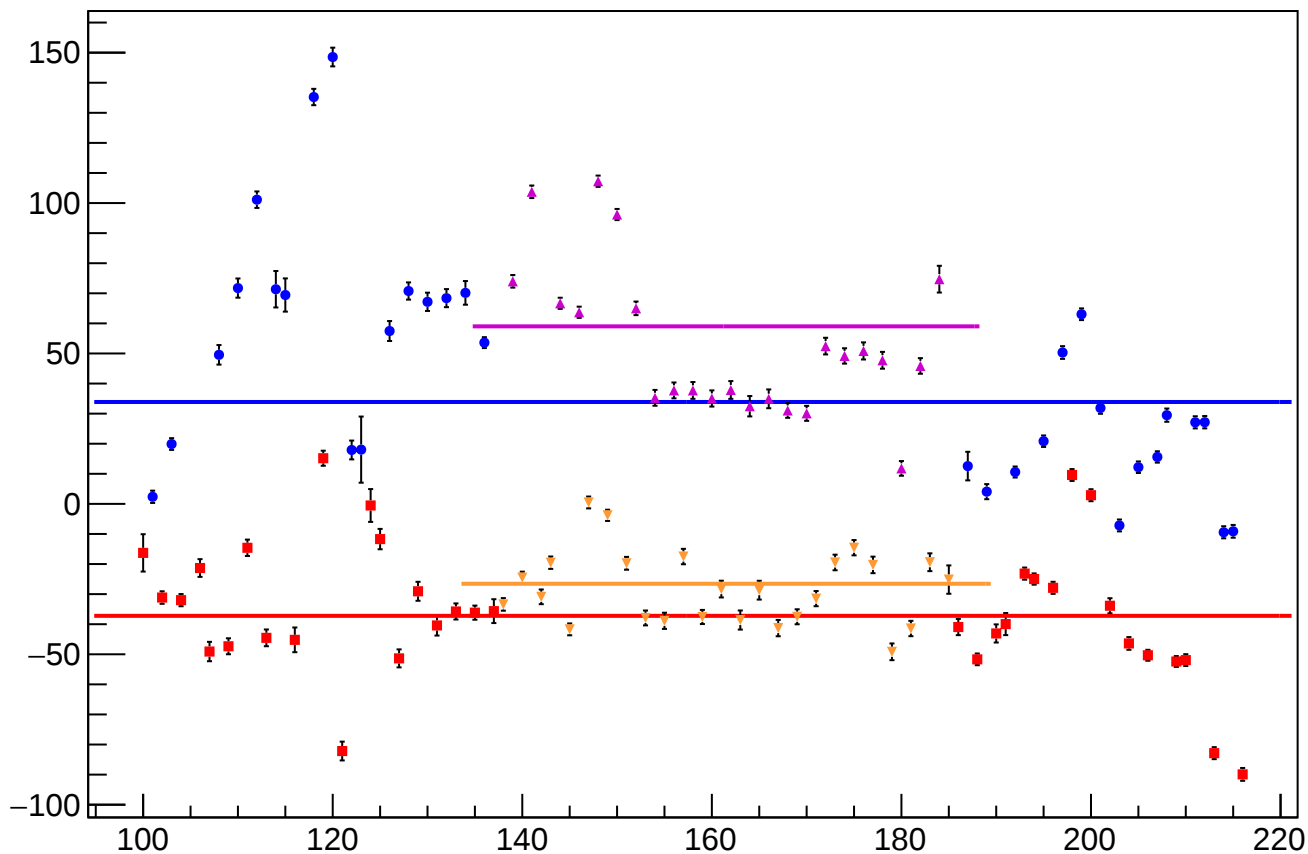
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1529.782 $\pm$ 0.182 χ^2 /NDF: 909628.9/56

All: 1529.633 $\pm$ 0.129 χ^2 /NDF: 1924180.7/11

- sign 1529.481 $\pm$ 0.183 χ^2 /NDF: 1014550.4/57

diff_bpm0i05X_mean vs Slug



Right In: 33.874 $\pm$ 0.425 χ^2 /NDF: 6797.9/31

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

Right Out: -37.217 $\pm$ 0.414 χ^2 /NDF: 3414.1/34

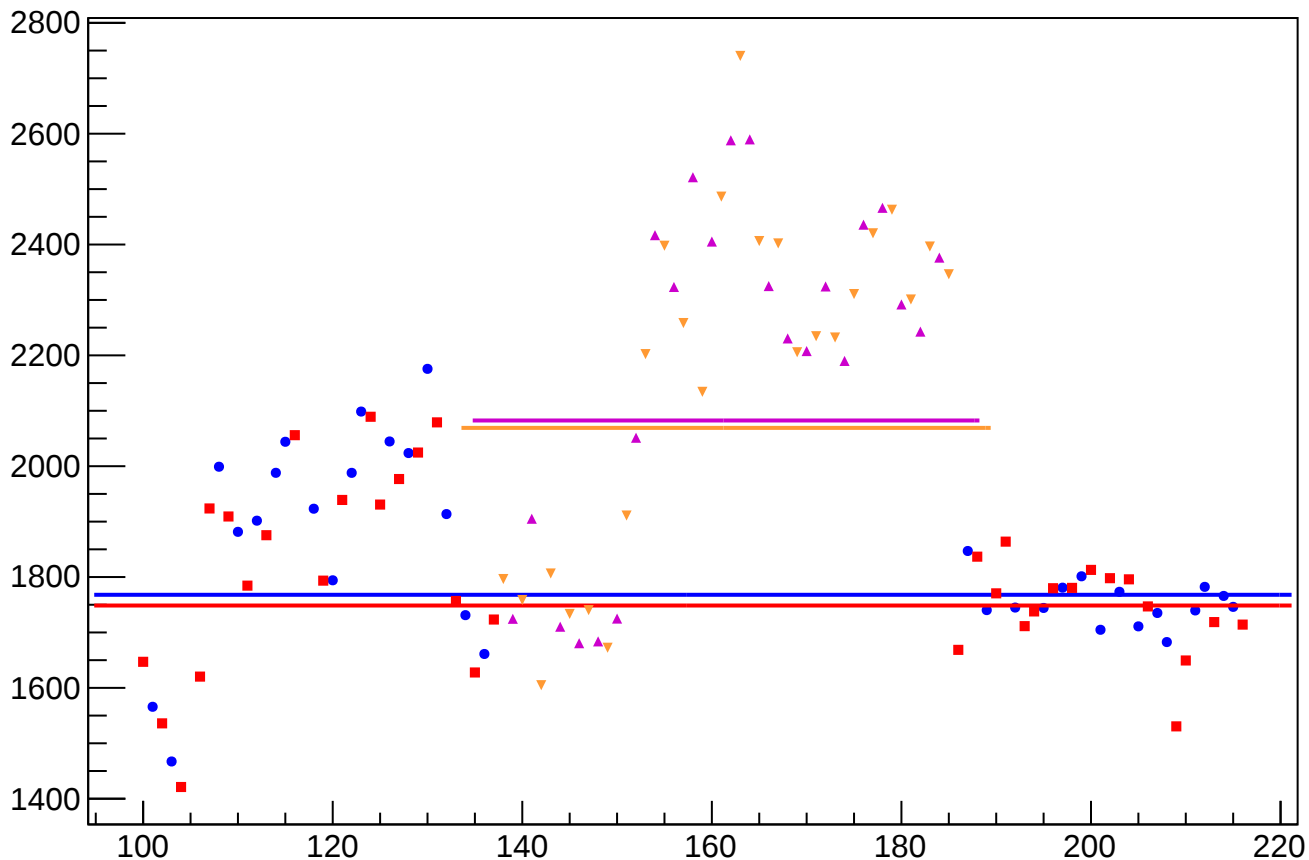
Left In: 59.014 $\pm$ 0.506 χ^2 /NDF: 2783.8/22

+ sign 7.805 $\pm$ 0.320 χ^2 /NDF: 16238.9/56

All: 4.562 $\pm$ 0.227 χ^2 /NDF: 44290.3/114

- sign 1.318 $\pm$ 0.320 χ^2 /NDF: 27846.5/57

diff_bpm0i05X_rms vs Slug



Right In: 1767.965 $\pm$ 0.300 χ^2 /NDF: 198554.8/31

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

Right Out: 1748.613 $\pm$ 0.293 χ^2 /NDF: 228635.3/34

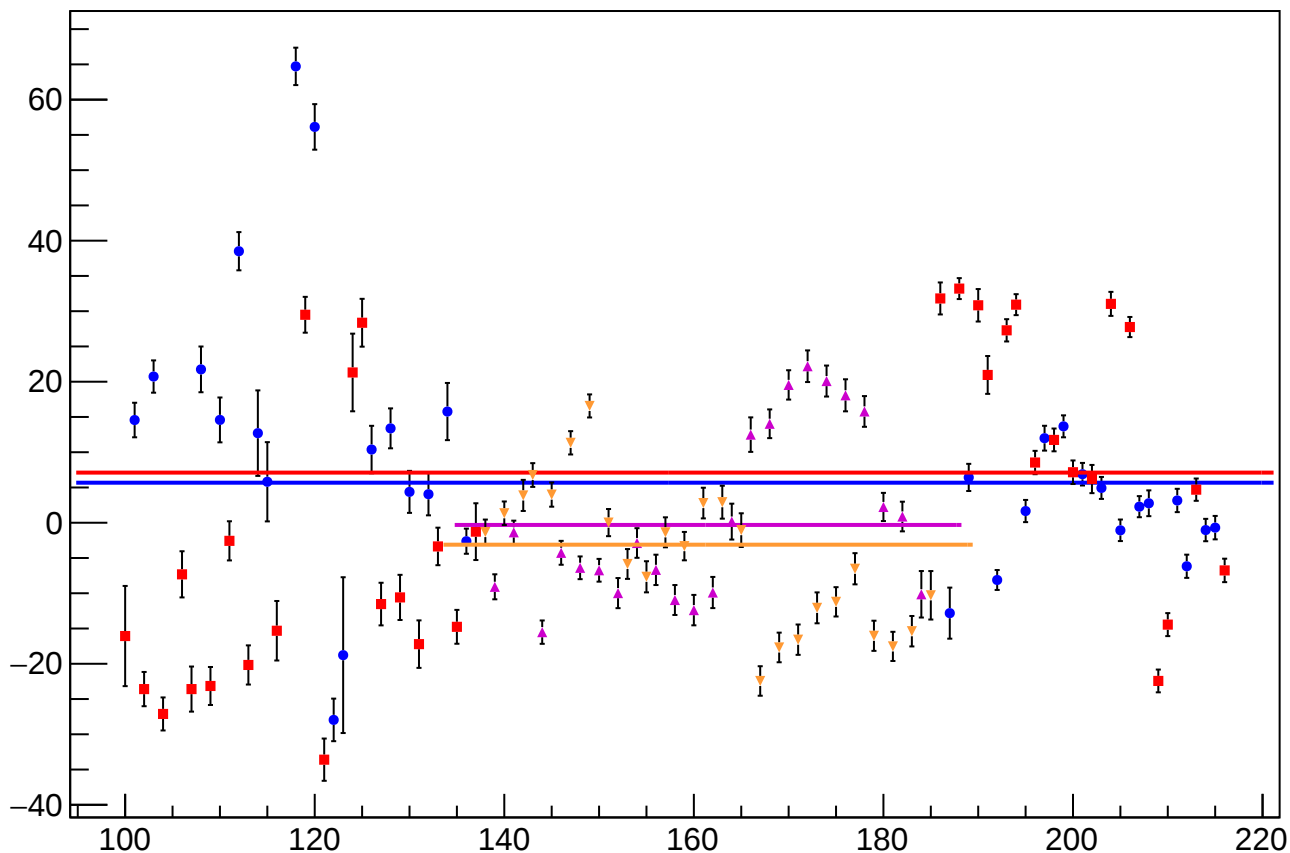
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1897.895 $\pm$ 0.227 χ^2 /NDF: 1431000.2/56

All: 1890.107 $\pm$ 0.160 χ^2 /NDF: 2968525.6/11

- sign 1882.316 $\pm$ 0.227 χ^2 /NDF: 1535161.9/57

diff_bpm0i05Y_mean vs Slug



Right In: 5.678 ± 0.368 χ^2/NDF : 1425.2/31

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

Right Out: 7.109 ± 0.362 χ^2/NDF : 3266.4/34

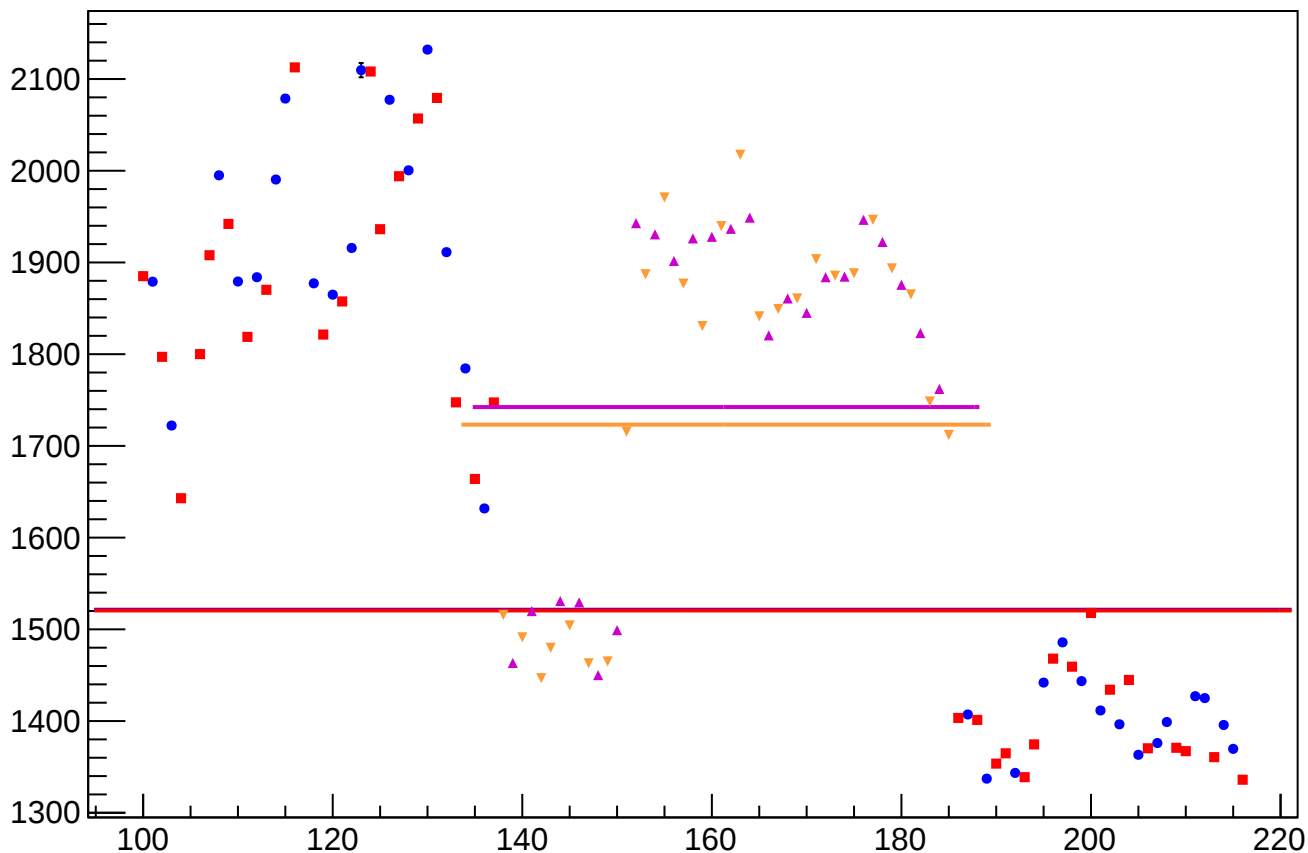
Left In: -0.312 ± 0.421 χ^2/NDF : 736.5/22

+ sign 1.691 ± 0.272 χ^2/NDF : 2327.3/56

All: 2.811 ± 0.193 χ^2/NDF : 6542.8/114

- sign 3.952 ± 0.275 χ^2/NDF : 4181.4/57

diff_bpm0i05Y_rms vs Slug



Right In: 1521.350 $\pm$ 0.260 χ^2 /NDF: 714726.1/31

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

Right Out: 1520.580 $\pm$ 0.256 χ^2 /NDF: 714096.0/34

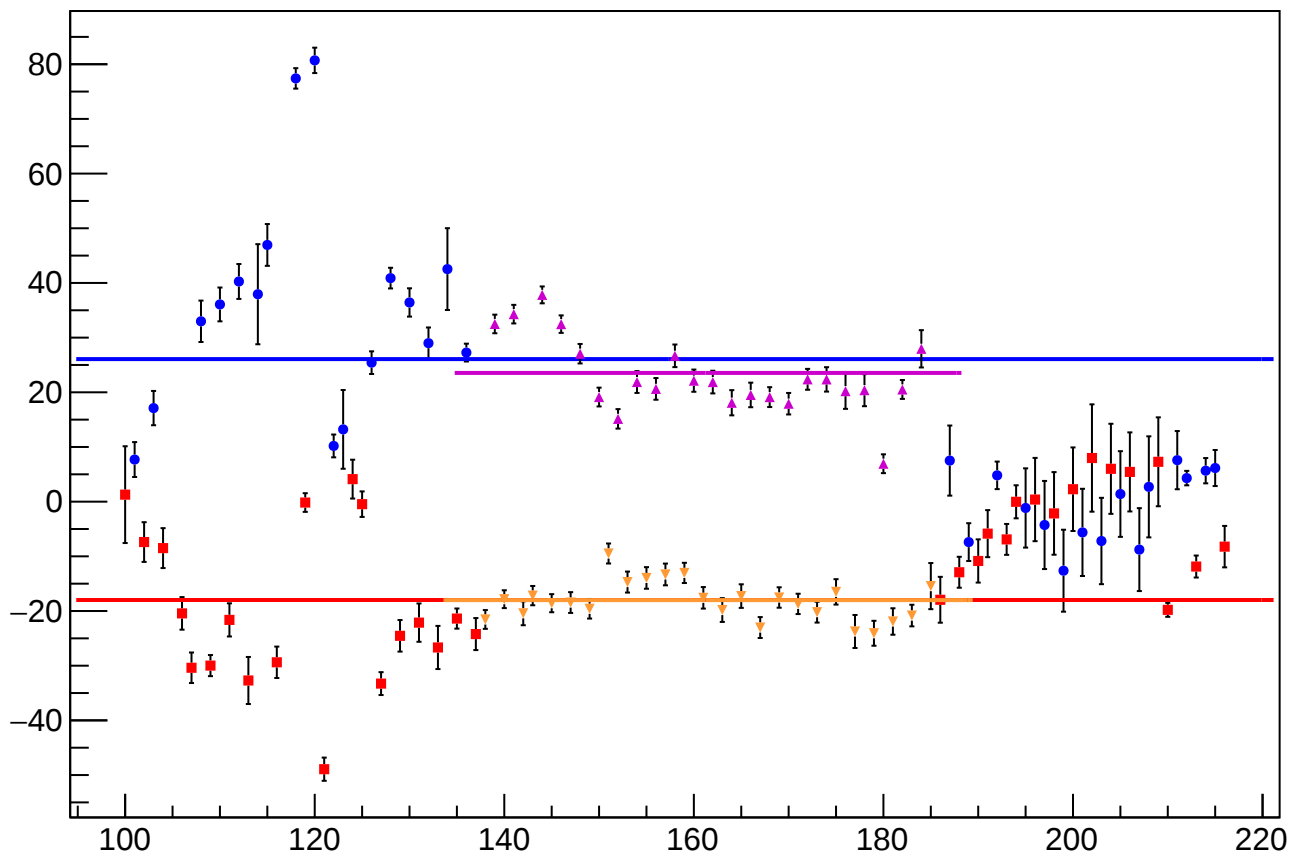
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1612.902 $\pm$ 0.193 χ^2 /NDF: 1464535.2/56

All: 1613.915 $\pm$ 0.137 χ^2 /NDF: 2933245.9/11

- sign 1614.947 $\pm$ 0.194 χ^2 /NDF: 1468654.8/57

diff_bpm0i07X_mean vs Slug



Right In: 26.073 ± 0.518 $\chi^2/\text{NDF}: 2255.2/31$

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

Right Out: -17.986 ± 0.484 $\chi^2/\text{NDF}: 733.4/34$

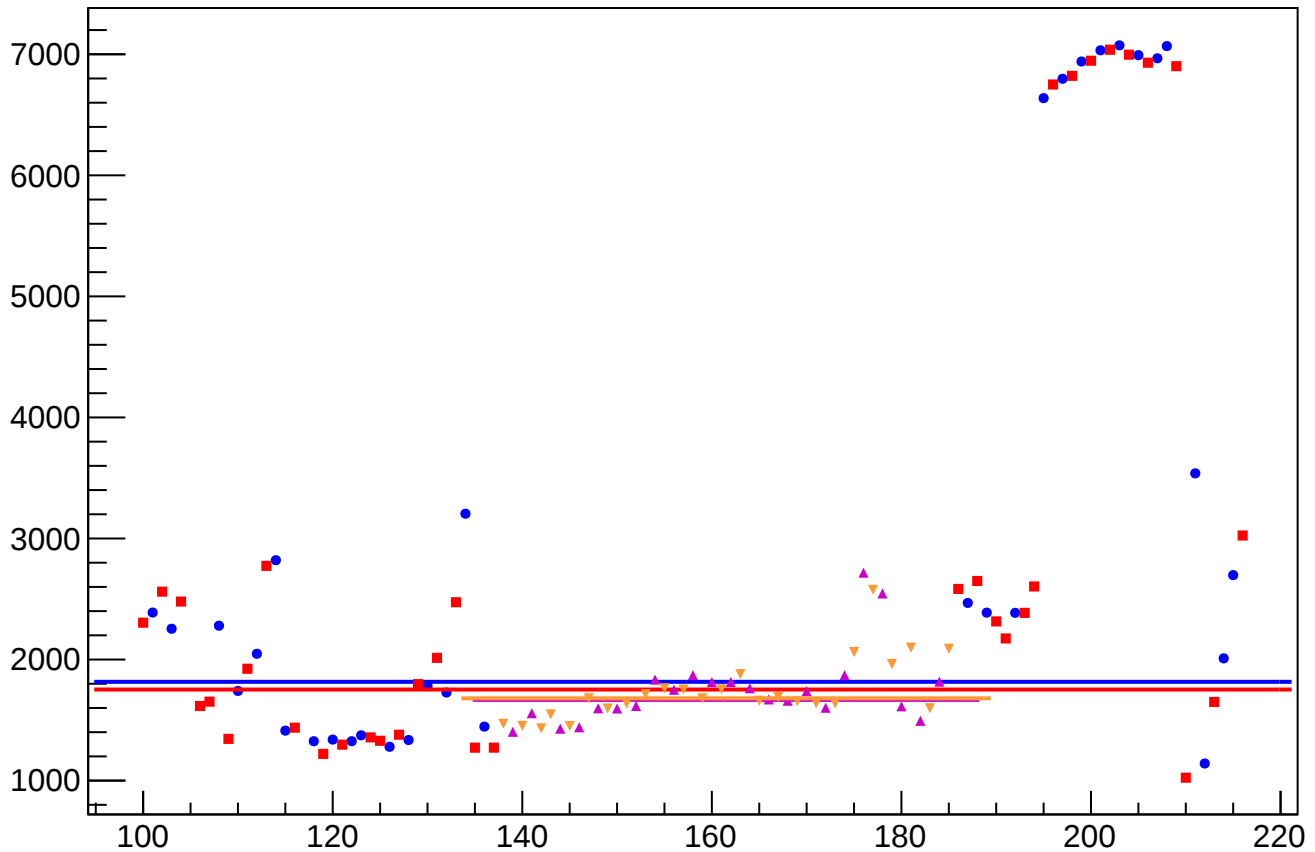
Left In: 23.544 ± 0.406 $\chi^2/\text{NDF}: 346.7/22$

+ sign -1.699 ± 0.315 $\chi^2/\text{NDF}: 6897.3/56$

All: 2.409 ± 0.221 $\chi^2/\text{NDF}: 12636.7/114$

- sign 6.415 ± 0.311 $\chi^2/\text{NDF}: 5403.2/57$

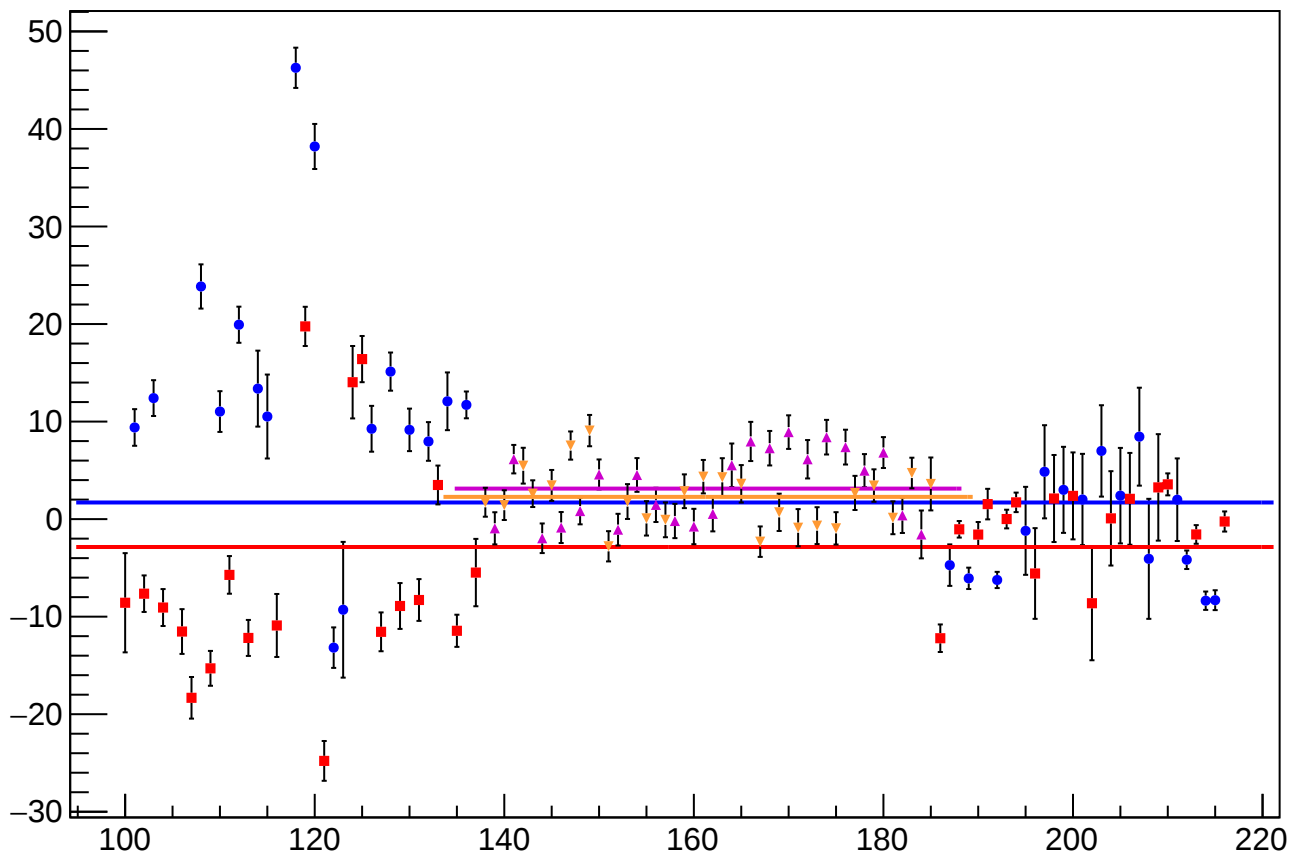
diff_bpm0i07X_rms vs Slug



Right In: 1816.034 $\pm$ 0.366 χ^2 /NDF: 8802868.3/31
 Left Out: 1679.814 $\pm$ 0.281 χ^2 /NDF: 522795.6/24
 Right Out: 1752.308 $\pm$ 0.342 χ^2 /NDF: 8517306.7/34
 Left In: 1666.819 $\pm$ 0.287 χ^2 /NDF: 650990.8/22

+ sign 1730.212 $\pm$ 0.223 χ^2 /NDF: 9412916.0/56
 All: 1715.969 $\pm$ 0.156 χ^2 /NDF: 18625933.2/100
 - sign 1702.080 $\pm$ 0.220 χ^2 /NDF: 9204934.2/57

diff_bpm0i07Y_mean vs Slug



Right In: 1.705 ± 0.320 χ^2/NDF : 1596.1/31

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

Right Out: -2.858 ± 0.286 χ^2/NDF : 701.3/34

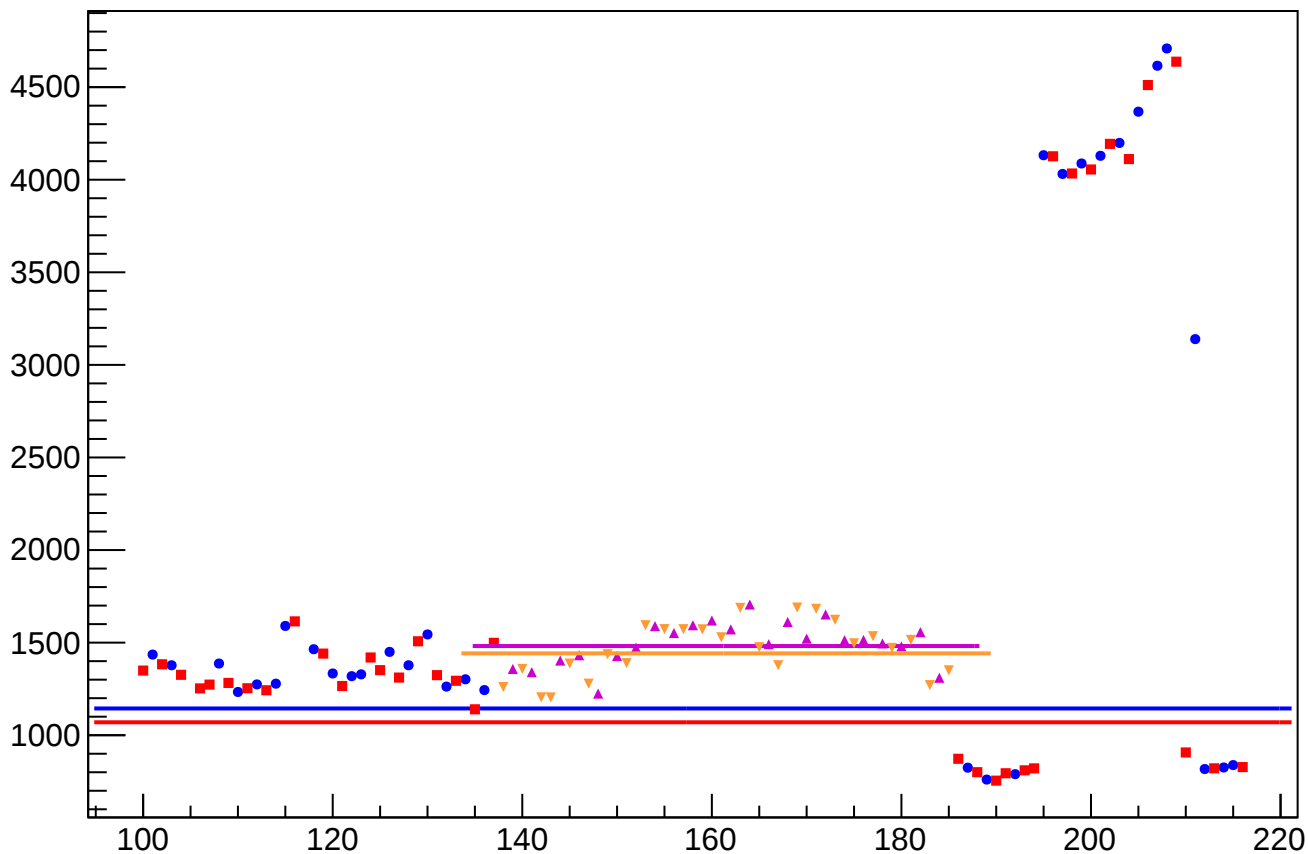
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 1.977 ± 0.233 χ^2/NDF : 1673.2/56

All: 0.680 ± 0.161 χ^2/NDF : 2708.3/114

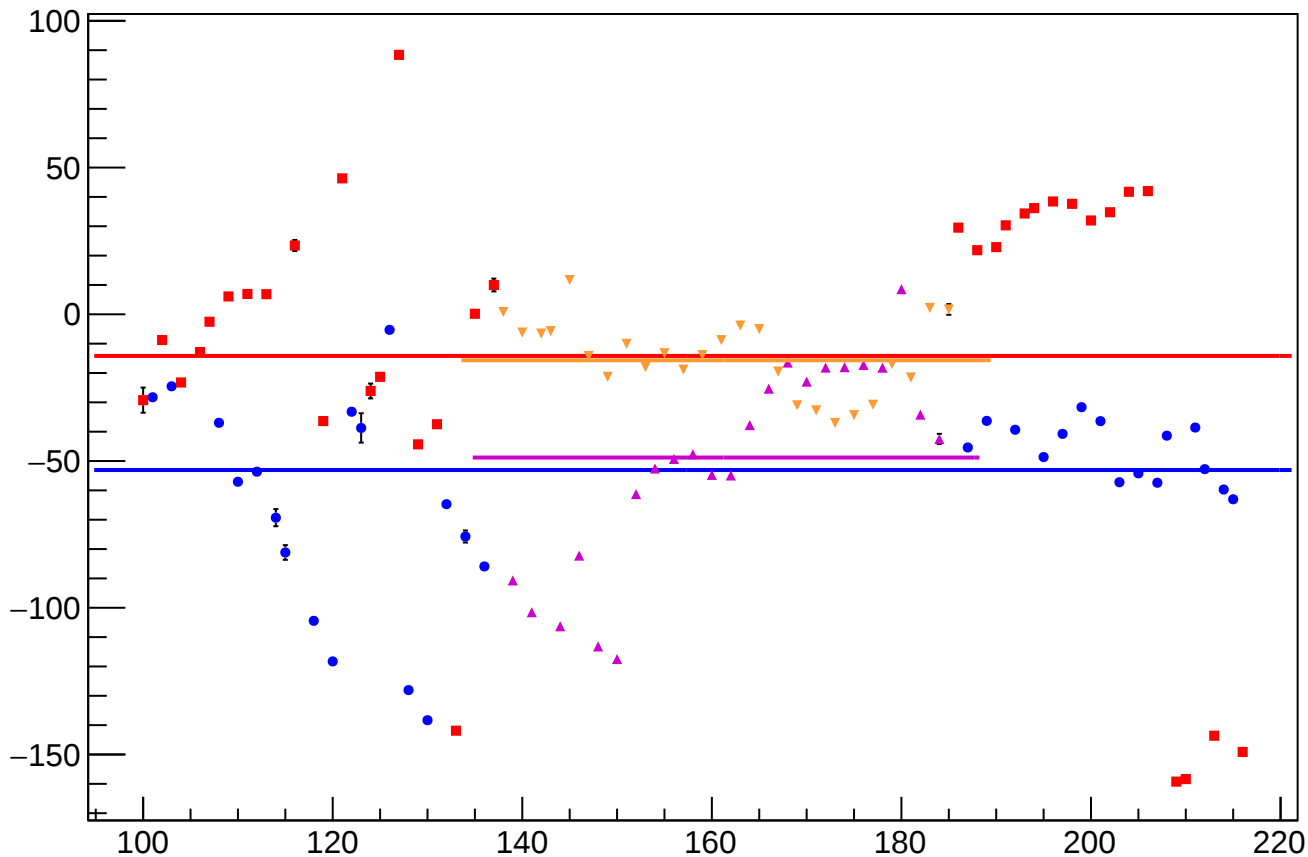
- sign -0.519 ± 0.224 χ^2/NDF : 975.3/57

diff_bpm0i07Y_rms vs Slug



Right In: 1144.488 $\pm$ 0.226	χ^2 /NDF: 8775691.6/31	+ sign 1285.100 $\pm$ 0.164	χ^2 /NDF: 9961932.4/56
Left Out: 1441.951 $\pm$ 0.239	χ^2 /NDF: 370617.4/24	All: 1256.866 $\pm$ 0.114	χ^2 /NDF: 19322760.8/31
Right Out: 1069.824 $\pm$ 0.203	χ^2 /NDF: 7479612.6/34	- sign 1230.773 $\pm$ 0.158	χ^2 /NDF: 9304104.3/57
Left In: 1481.695 $\pm$ 0.253	χ^2 /NDF: 208470.6/22		

diff_bpm1i02X_mean vs Slug



Right In: -53.064 ± 0.171 $\chi^2/\text{NDF}: 17910.9/31$

Left Out: -15.666 ± 0.212 $\chi^2/\text{NDF}: 3518.1/24$

Right Out: -14.182 ± 0.170 $\chi^2/\text{NDF}: 201560.4/34$

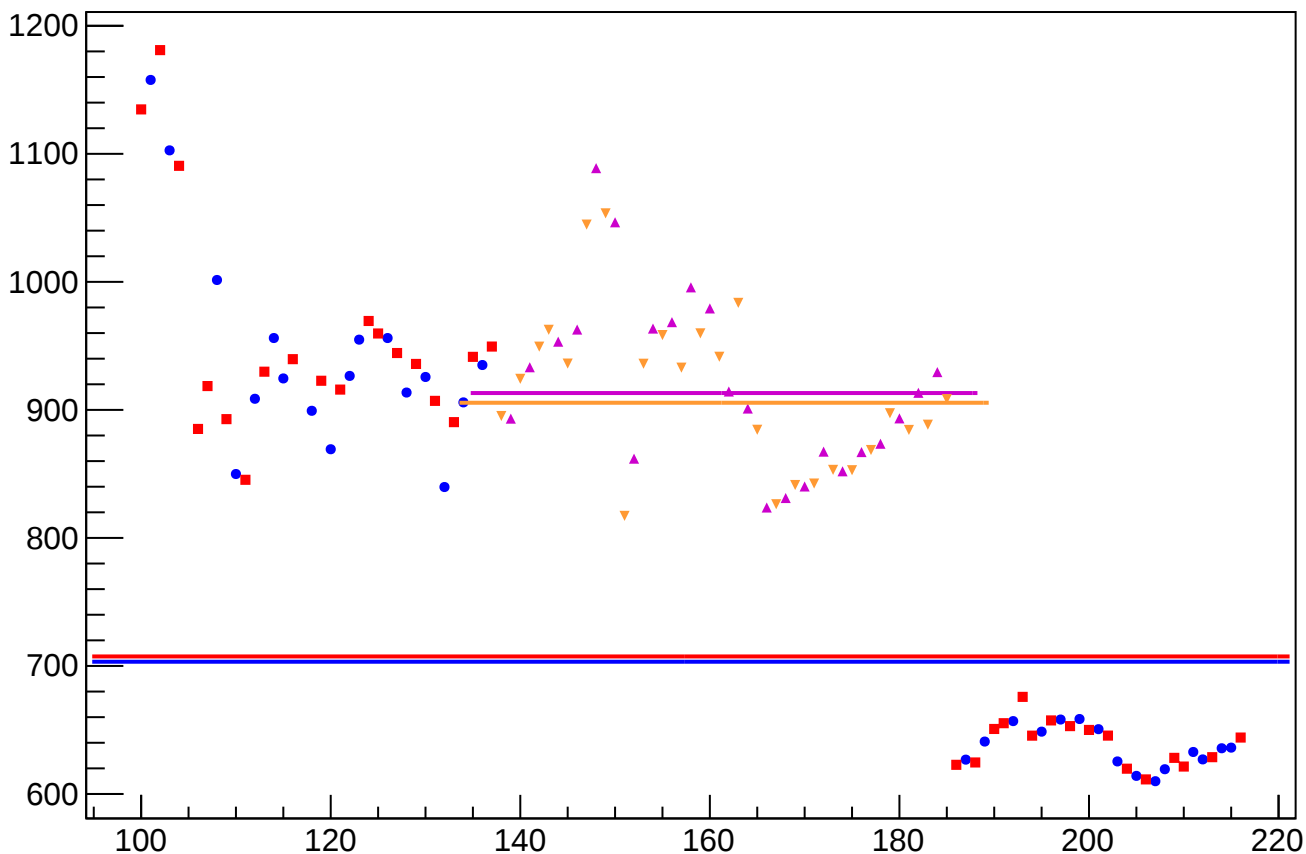
Left In: -48.812 ± 0.220 $\chi^2/\text{NDF}: 25260.8/22$

+ sign -38.244 ± 0.133 $\chi^2/\text{NDF}: 40302.2/56$

All: -32.728 ± 0.095 $\chi^2/\text{NDF}: 286131.7/114$

- sign -27.112 ± 0.134 $\chi^2/\text{NDF}: 242366.1/57$

diff_bpm1i02X_rms vs Slug



Right In: 703.301 $\pm$ 0.121 χ^2 /NDF: 1183477.1/31

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

Right Out: 707.421 $\pm$ 0.120 χ^2 /NDF: 1229216.4/34

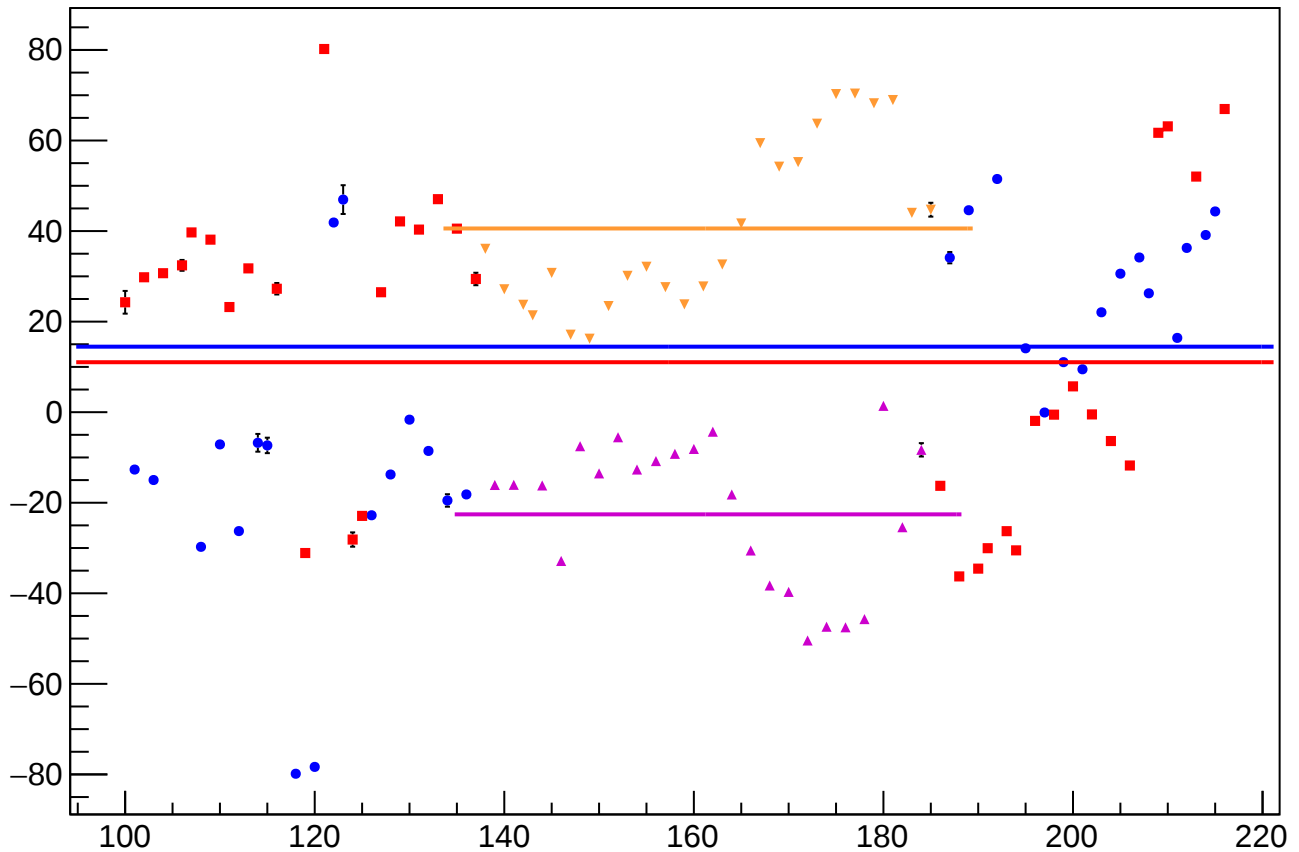
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 783.459 $\pm$ 0.094 χ^2 /NDF: 2449839.8/56

All: 783.846 $\pm$ 0.067 χ^2 /NDF: 4950879.9/114

- sign 784.240 $\pm$ 0.095 χ^2 /NDF: 2501006.0/57

diff_bpm1i02Y_mean vs Slug



Right In: 14.469+/-0.128 χ^2/NDF : 48651.1/31

Left Out: 40.573+/-0.168 χ^2/NDF : 12079.0/24

Right Out: 11.035+/-0.126 χ^2/NDF : 76556.7/34

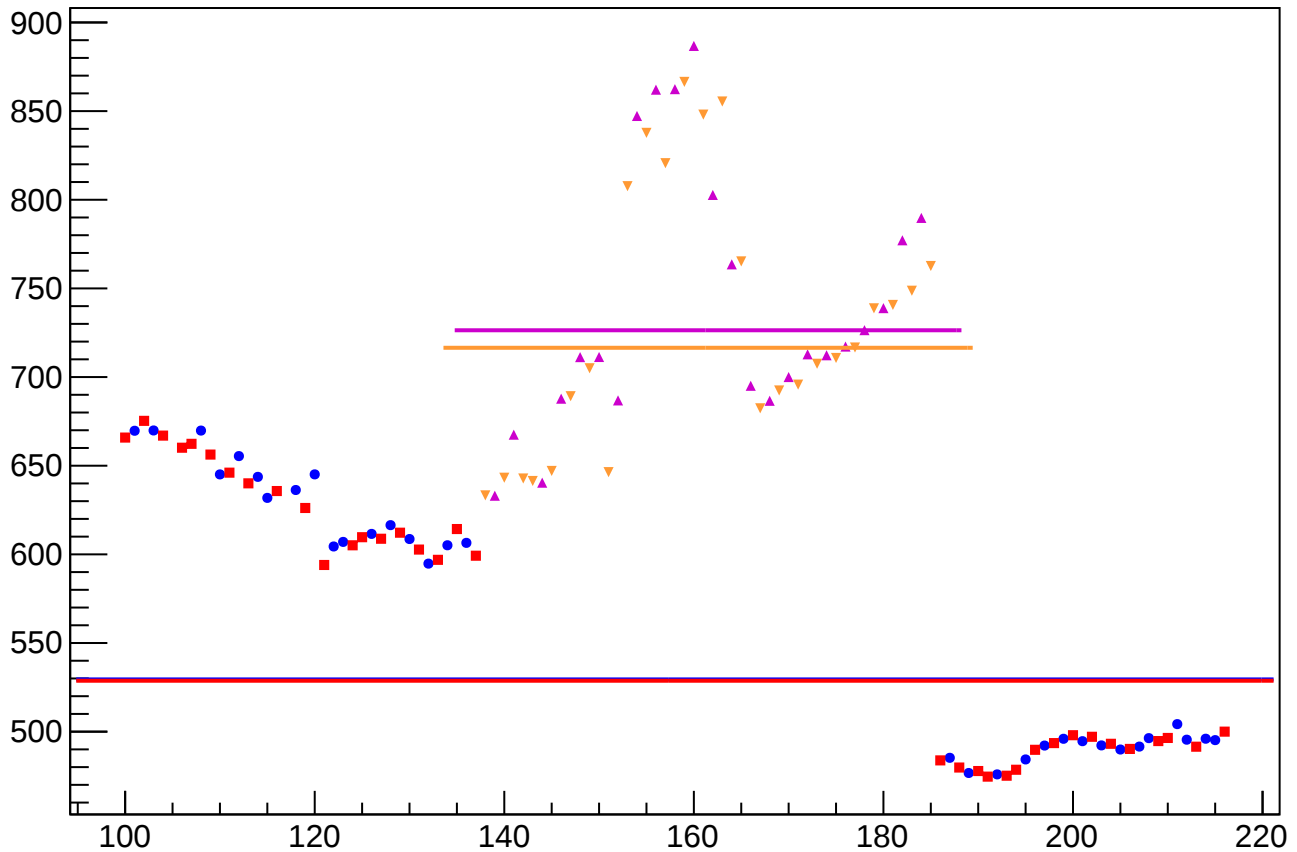
Left In: -22.565+/-0.175 χ^2/NDF : 8167.7/22

+ sign 24.039+/-0.102 χ^2/NDF : 76050.6/56

All: 11.894+/-0.072 χ^2/NDF : 213754.0/114

- sign -0.363+/-0.102 χ^2/NDF : 109005.9/57

diff_bpm1i02Y_rms vs Slug



Right In: 529.465 $\pm$ 0.090 χ^2 /NDF: 499181.3/31

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF: 342740.2/24

Right Out: 528.726 $\pm$ 0.089 χ^2 /NDF: 539985.9/34

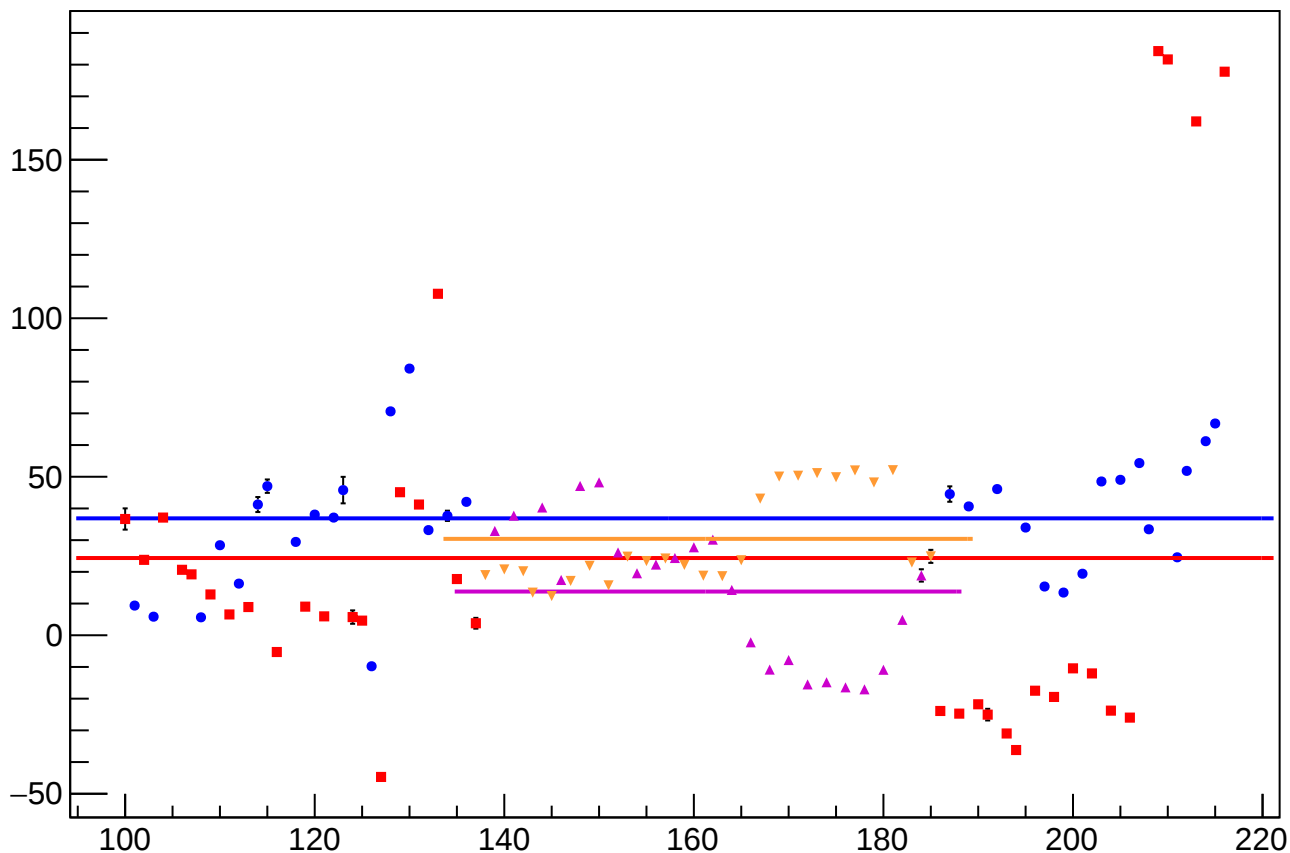
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 598.042 $\pm$ 0.072 χ^2 /NDF: 2415253.5/56

All: 596.914 $\pm$ 0.051 χ^2 /NDF: 4926161.2/114

- sign 595.775 $\pm$ 0.072 χ^2 /NDF: 2510412.4/57

diff_bpm1i04X_mean vs Slug



Right In: 36.879 ± 0.208 $\chi^2/\text{NDF}: 9847.8/31$

Left Out: 30.408 ± 0.237 $\chi^2/\text{NDF}: 3808.0/24$

Right Out: 24.363 ± 0.204 $\chi^2/\text{NDF}: 105400.4/34$

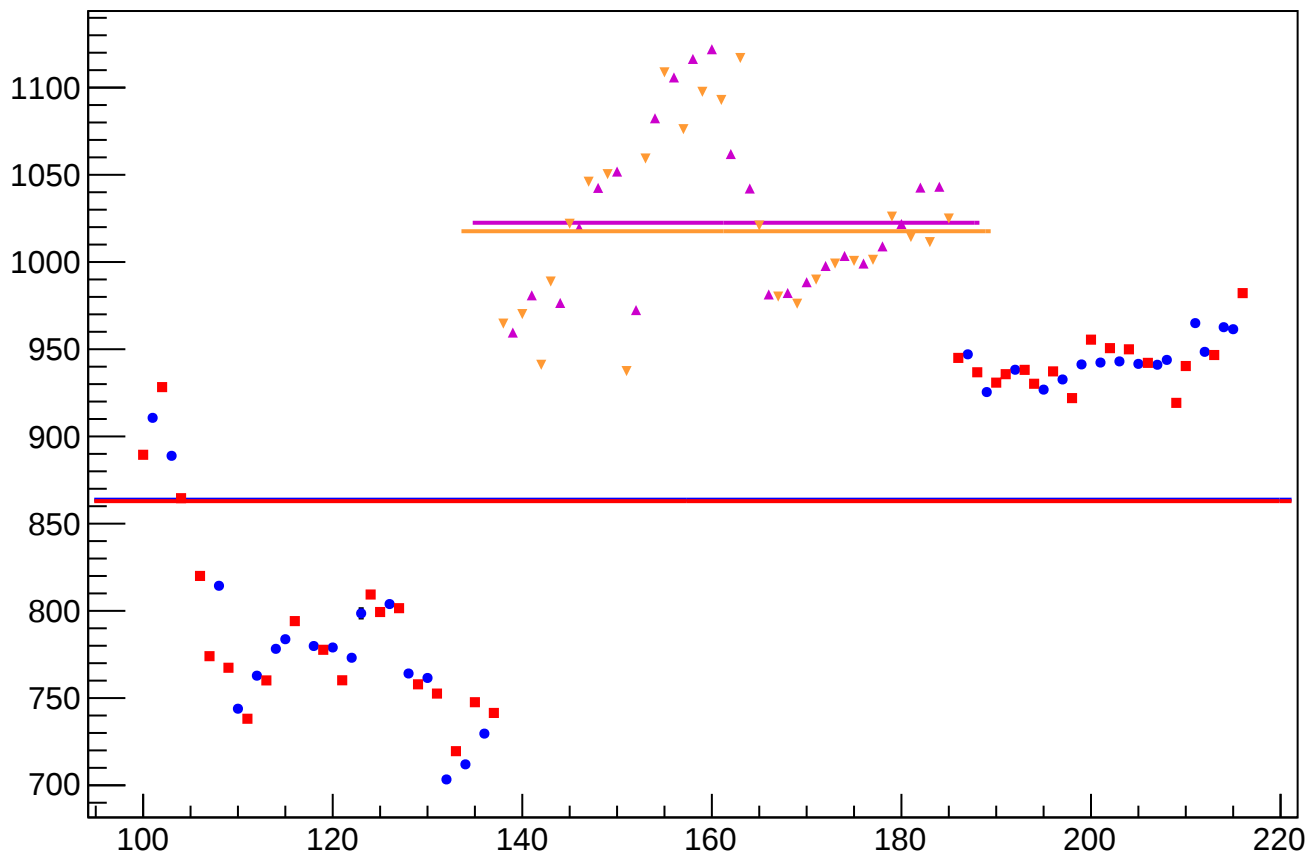
Left In: 13.787 ± 0.246 $\chi^2/\text{NDF}: 7979.7/22$

+ sign 34.068 ± 0.156 $\chi^2/\text{NDF}: 14076.1/56$

All: 27.087 ± 0.111 $\chi^2/\text{NDF}: 132552.1/114$

- sign 20.037 ± 0.157 $\chi^2/\text{NDF}: 114474.1/57$

diff_bpm1i04X_rms vs Slug



Right In: 863.747 $\pm$ 0.147 χ^2 /NDF: 391782.8/31

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF:83612.5/24

Right Out: 862.900 $\pm$ 0.145 χ^2 /NDF: 367863.6/34

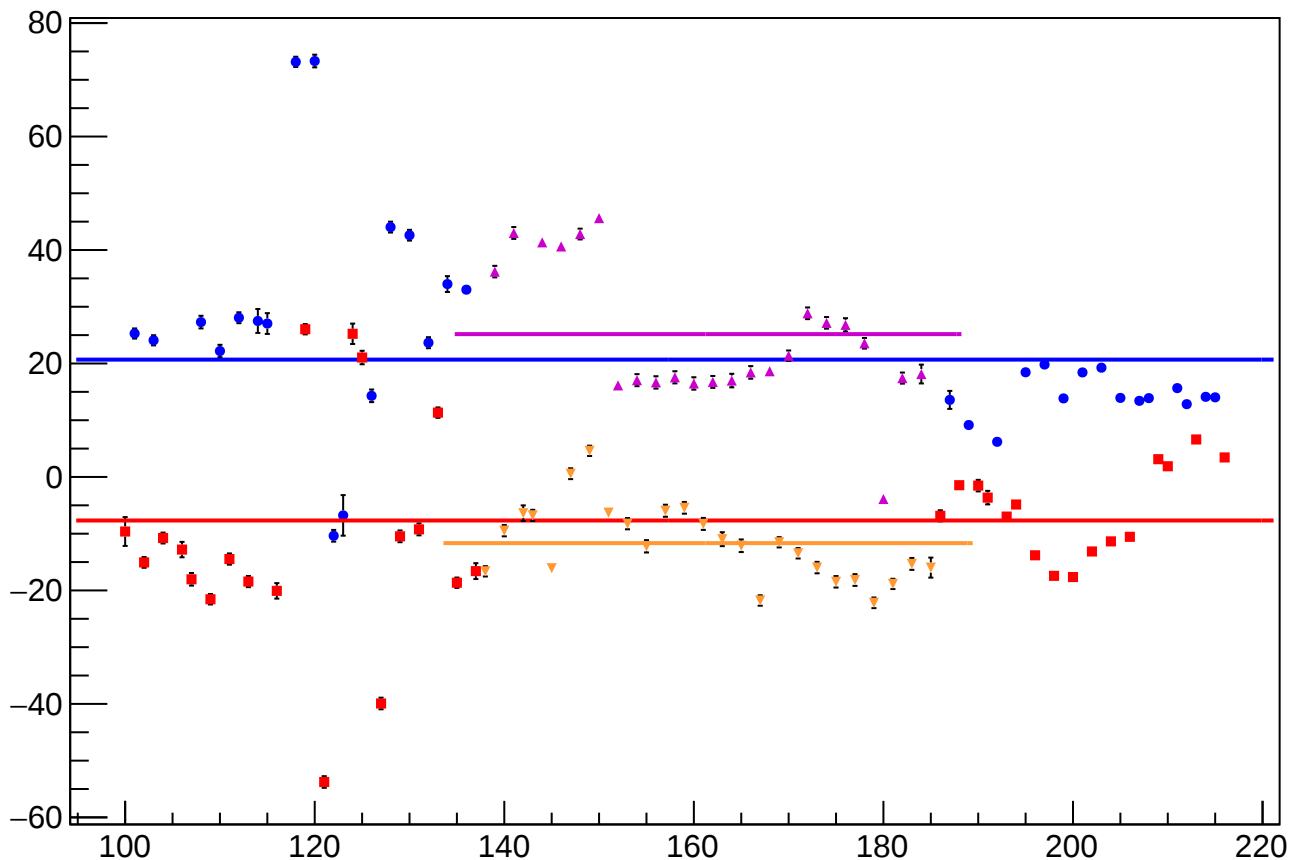
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF:69635.5/22

+ sign 930.594 $\pm$ 0.111 χ^2 /NDF: 950885.7/56

All: 929.391 $\pm$ 0.078 χ^2 /NDF: 1886939.2/114

- sign 928.176 $\pm$ 0.111 χ^2 /NDF: 935815.7/57

diff_bpm1i04Y_mean vs Slug



Right In: 20.683 ± 0.148 χ^2/NDF : 9821.9/31

Left Out: -11.664 ± 0.200 χ^2/NDF : 1147.4/24

Right Out: -7.675 ± 0.144 χ^2/NDF : 8641.0/34

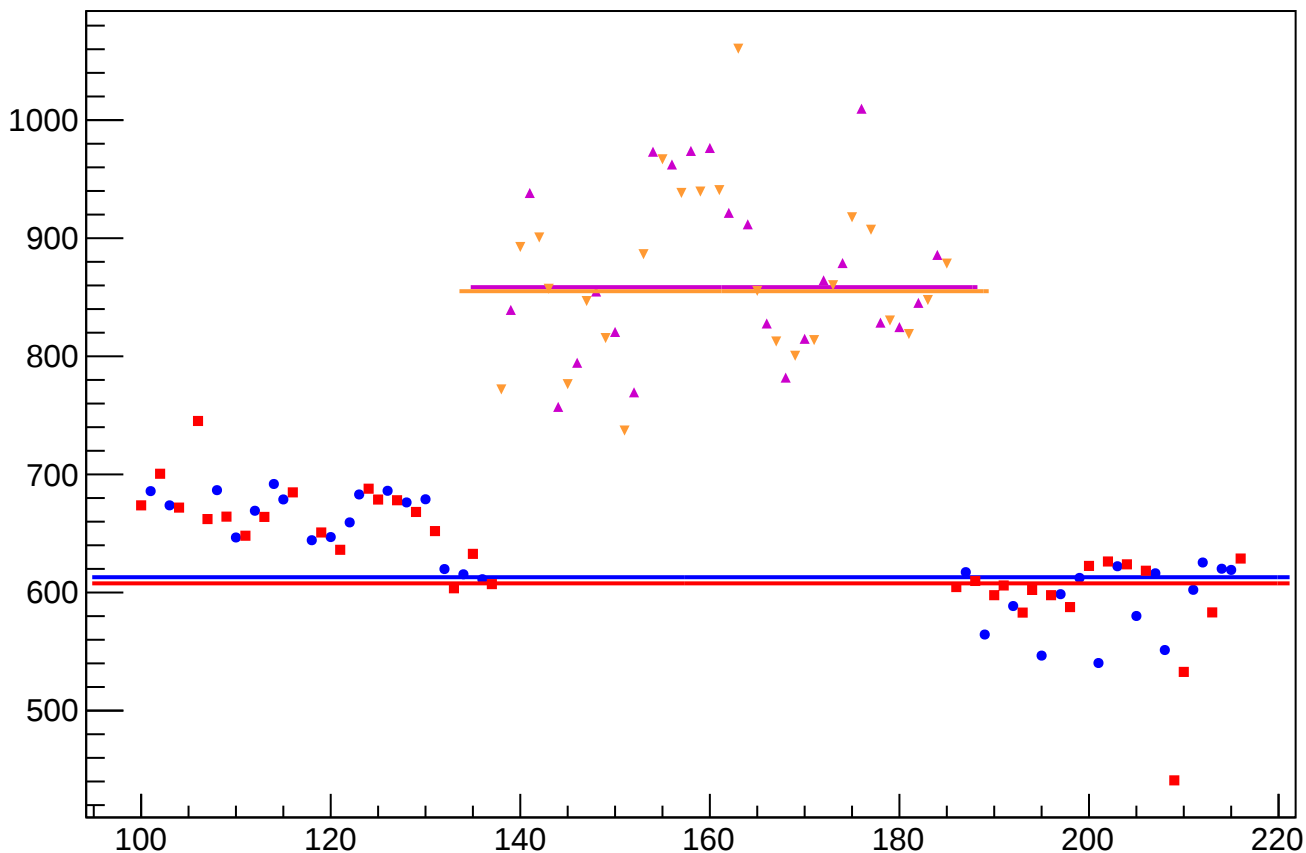
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 9.304 ± 0.119 χ^2/NDF : 27877.2/56

All: 6.159 ± 0.084 χ^2/NDF : 58573.4/114

- sign 3.035 ± 0.118 χ^2/NDF : 29298.9/57

diff_bpm1i04Y_rms vs Slug



Right In: 612.966 $\pm$ 0.104 χ^2 /NDF: 165271.6/31

Left Out: 855.131 $\pm$ 0.142 χ^2 /NDF: 233746.7/24

Right Out: 607.750 $\pm$ 0.102 χ^2 /NDF: 363516.1/34

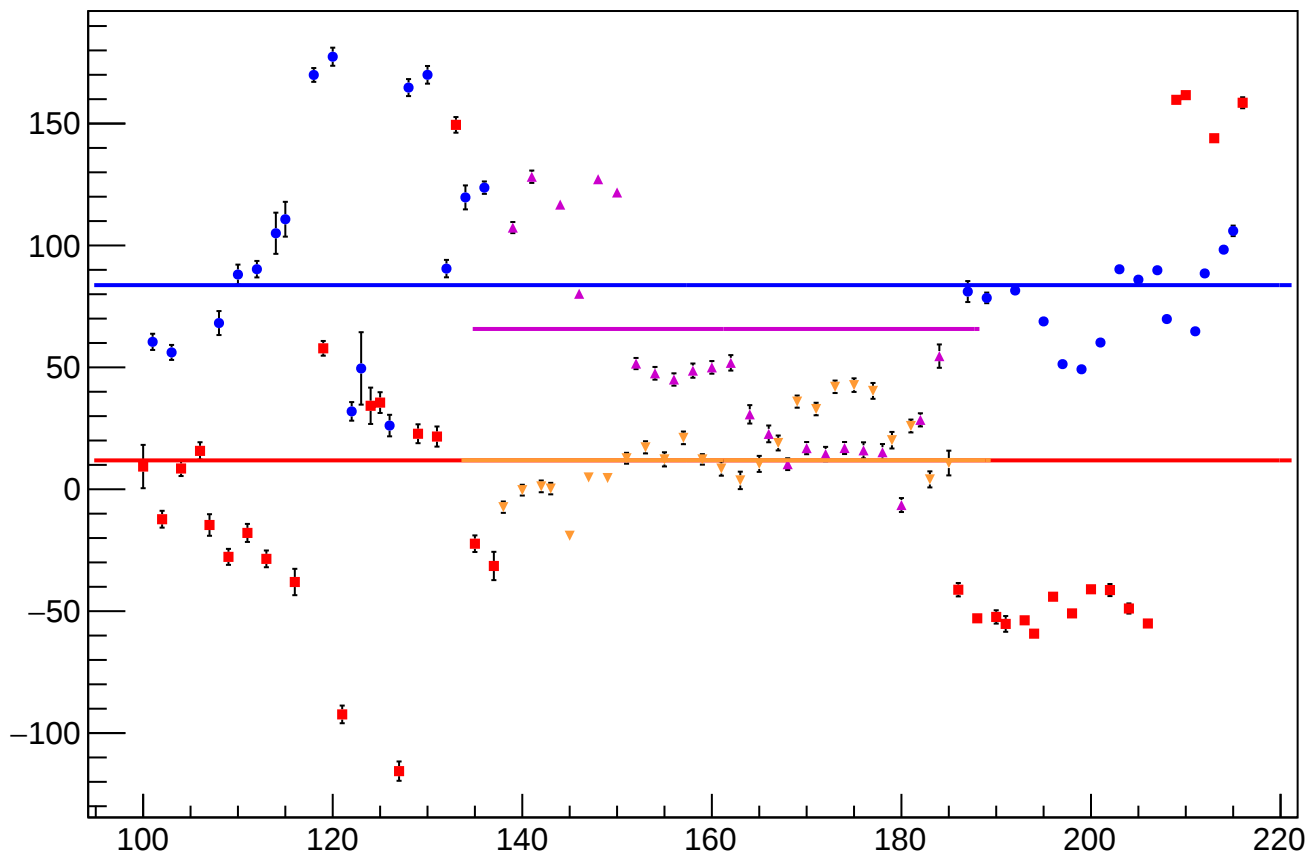
Left In: 858.563 $\pm$ 0.147 χ^2 /NDF: 239019.8/22

+ sign 698.153 $\pm$ 0.084 χ^2 /NDF: 2294383.7/56

All: 693.824 $\pm$ 0.059 χ^2 /NDF: 4874009.5/114

- sign 689.523 $\pm$ 0.084 χ^2 /NDF: 2574331.2/57

diff_bpm1i06X_mean vs Slug



Right In: 83.729 $\pm$ 0.444 χ^2 /NDF: 4708.6/31

Left Out: 11.938 $\pm$ 0.505 χ^2 /NDF: 976.6/24

Right Out: 11.849 $\pm$ 0.429 χ^2 /NDF: 43330.9/34

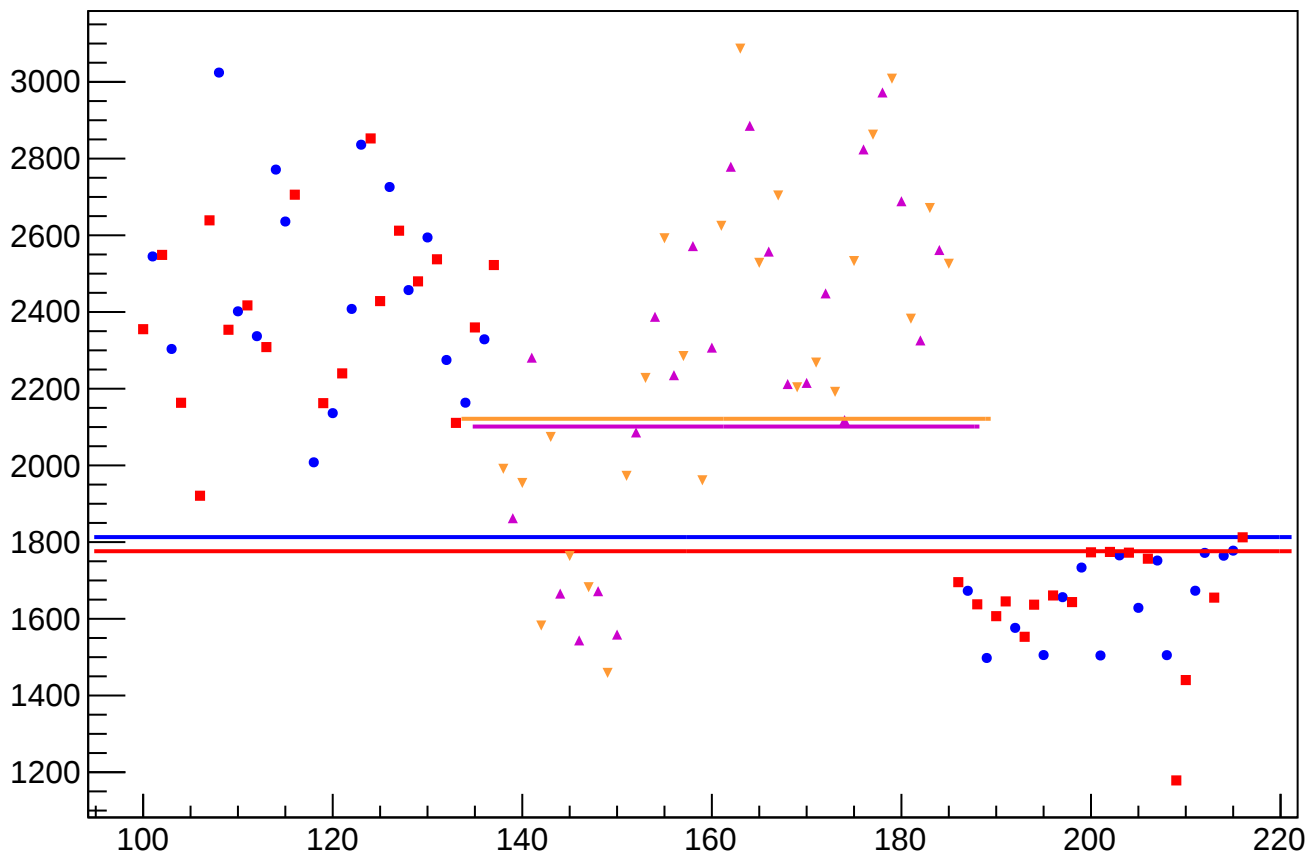
Left In: 65.752 $\pm$ 0.518 χ^2 /NDF: 7335.8/22

+ sign 52.468 $\pm$ 0.333 χ^2 /NDF: 17080.1/56

All: 43.046 $\pm$ 0.235 χ^2 /NDF: 75755.9/114

- sign 33.798 $\pm$ 0.330 χ^2 /NDF: 57093.8/57

diff_bpm1i06X_rms vs Slug



Right In: 1813.075 $\pm$ 0.314 χ^2 /NDF: 1181954.5/31

Left Out: 2121.567 $\pm$ 0.357 χ^2 /NDF:1387847.6/24

Right Out: 1776.245 $\pm$ 0.303 χ^2 /NDF: 1477968.7/34

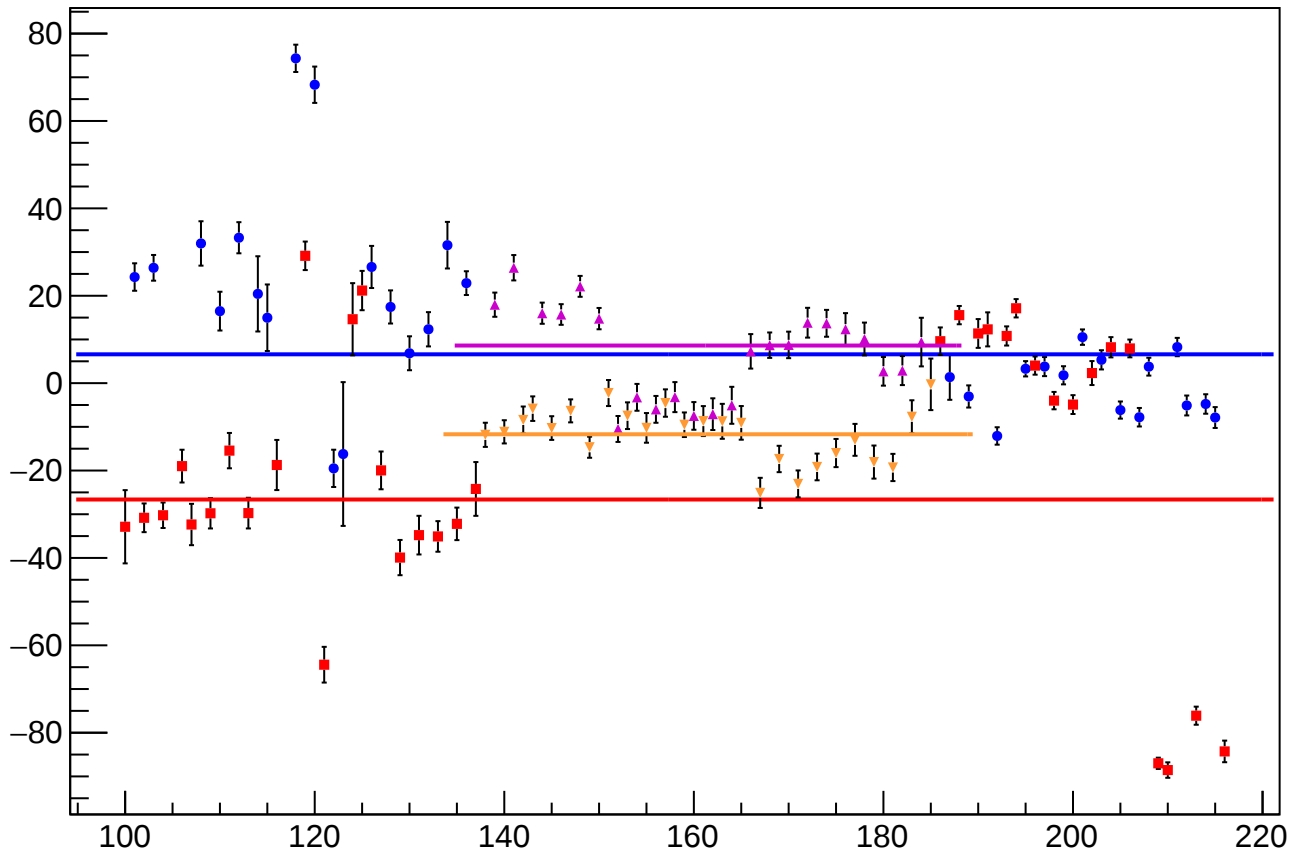
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 1947.406 $\pm$ 0.236 χ^2 /NDF: 2990619.9/56

All: 1927.831 $\pm$ 0.166 χ^2 /NDF: 6310276.2/11

- sign 1908.619 $\pm$ 0.234 χ^2 /NDF: 3305998.8/57

diff_bpm1i06Y_mean vs Slug



Right In: 6.598 ± 0.482 χ^2/NDF : 1280.4/31

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -26.627 ± 0.463 χ^2/NDF : 7668.7/34

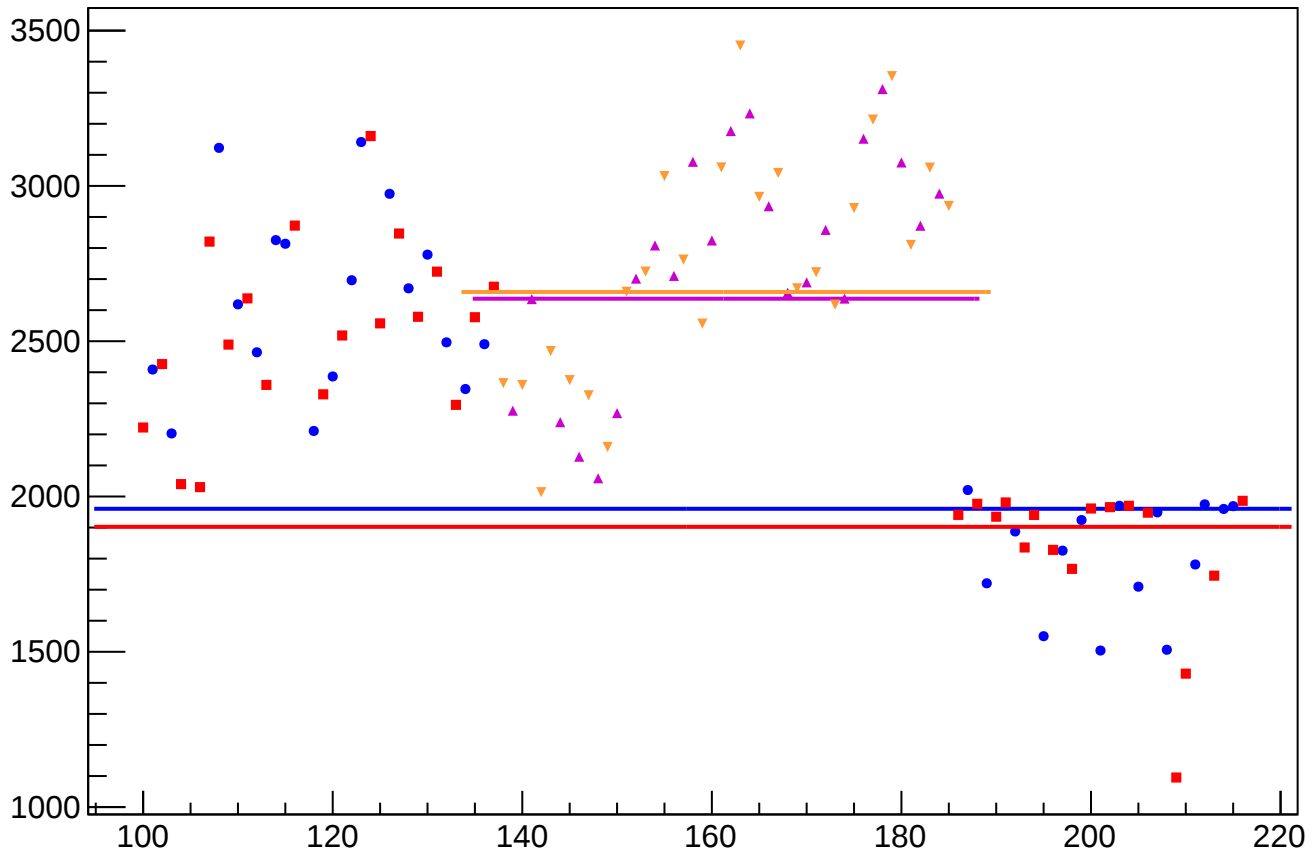
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.220 ± 0.382 χ^2/NDF : 1902.4/56

All: -7.509 ± 0.268 χ^2/NDF : 12533.8/114

- sign -14.564 ± 0.376 χ^2/NDF : 9914.0/57

diff_bpm1i06Y_rms vs Slug



Right In: 1960.434 $\pm$ 0.341 χ^2 /NDF: 1181162.9/31

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 1902.315 $\pm$ 0.328 χ^2 /NDF: 1826242.0/34

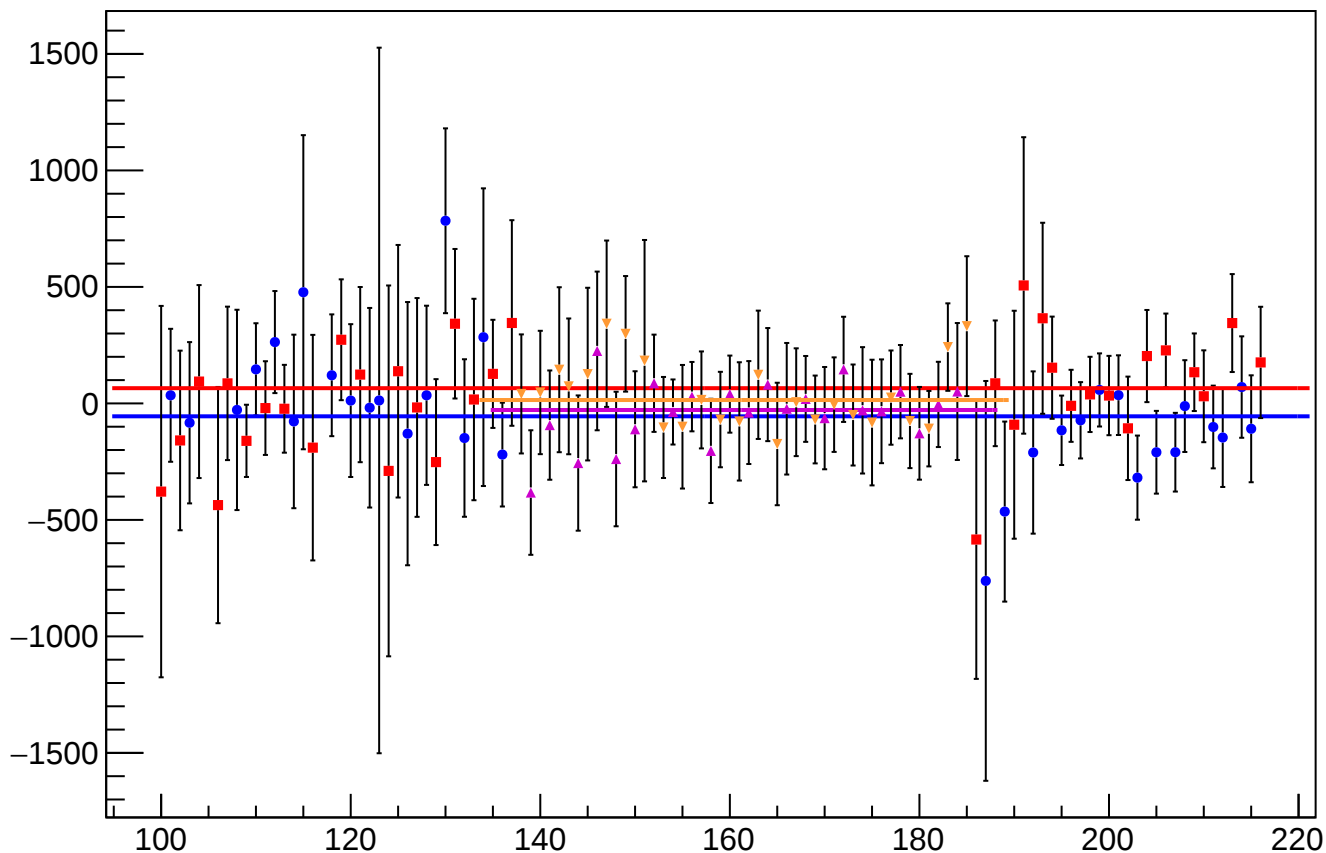
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2220.519 $\pm$ 0.270 χ^2 /NDF: 3362381.3/56

All: 2186.616 $\pm$ 0.189 χ^2 /NDF: 7594884.7/11

- sign 2153.800 $\pm$ 0.266 χ^2 /NDF: 4201463.5/57

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -55.399 ± 42.644 χ^2/NDF : 17.2/31

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 65.364 ± 42.388 χ^2/NDF : 14.5/34

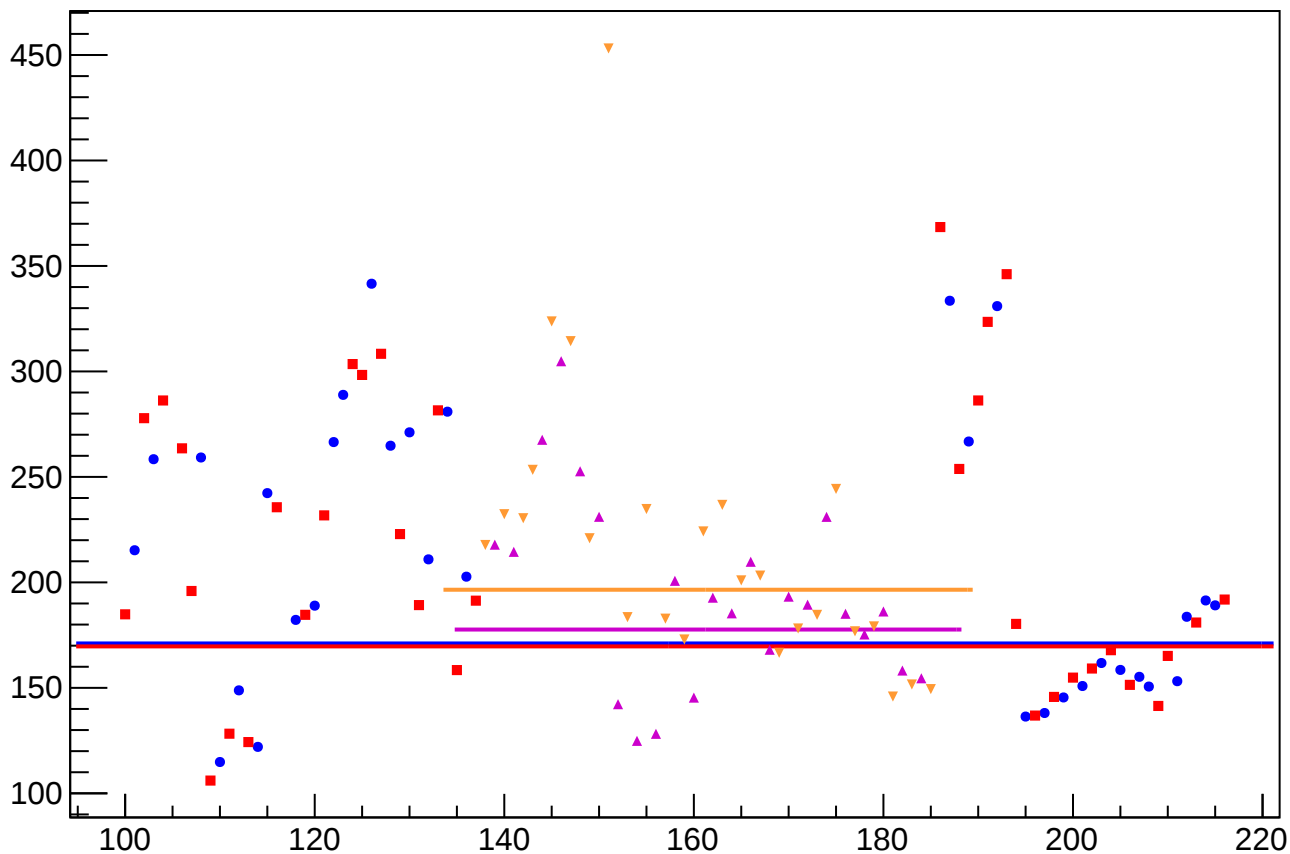
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign -24.216 ± 31.741 χ^2/NDF : 26.2/56

All: -0.909 ± 22.081 χ^2/NDF : 50.3/114

- sign 20.948 ± 30.738 χ^2/NDF : 23.1/57

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.050 $\pm$ 0.030 χ^2 /NDF: 2173338.2/31

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF: 1789504.4/24

Right Out: 169.653 $\pm$ 0.030 χ^2 /NDF: 2856342.4/34

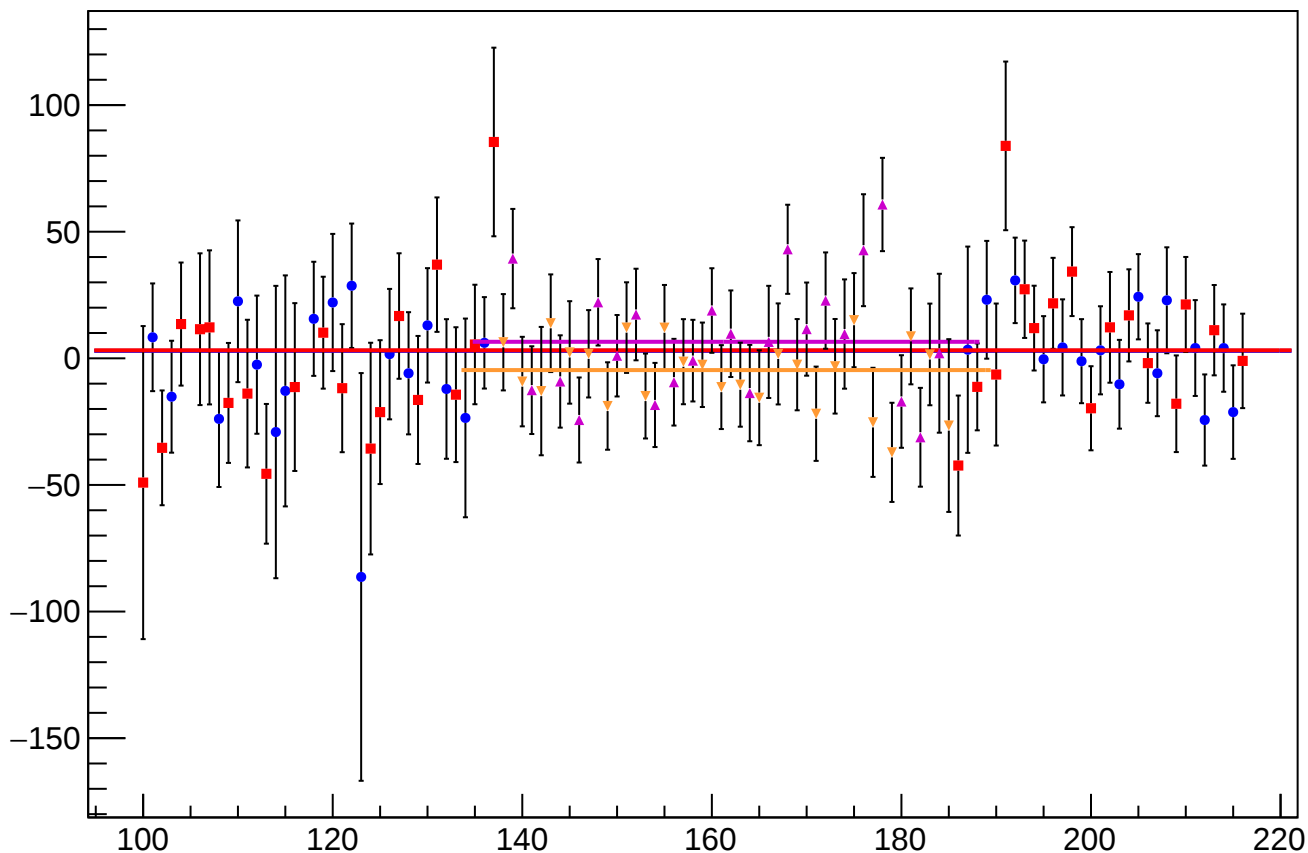
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 182.407 $\pm$ 0.022 χ^2 /NDF: 4280892.7/56

All: 177.780 $\pm$ 0.016 χ^2 /NDF: 8883943.6/114

- sign 173.441 $\pm$ 0.022 χ^2 /NDF: 4520707.3/57

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.947 ± 3.836 χ^2/NDF : 17.8/31

Left Out: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: 3.169 ± 3.803 χ^2/NDF : 38.9/34

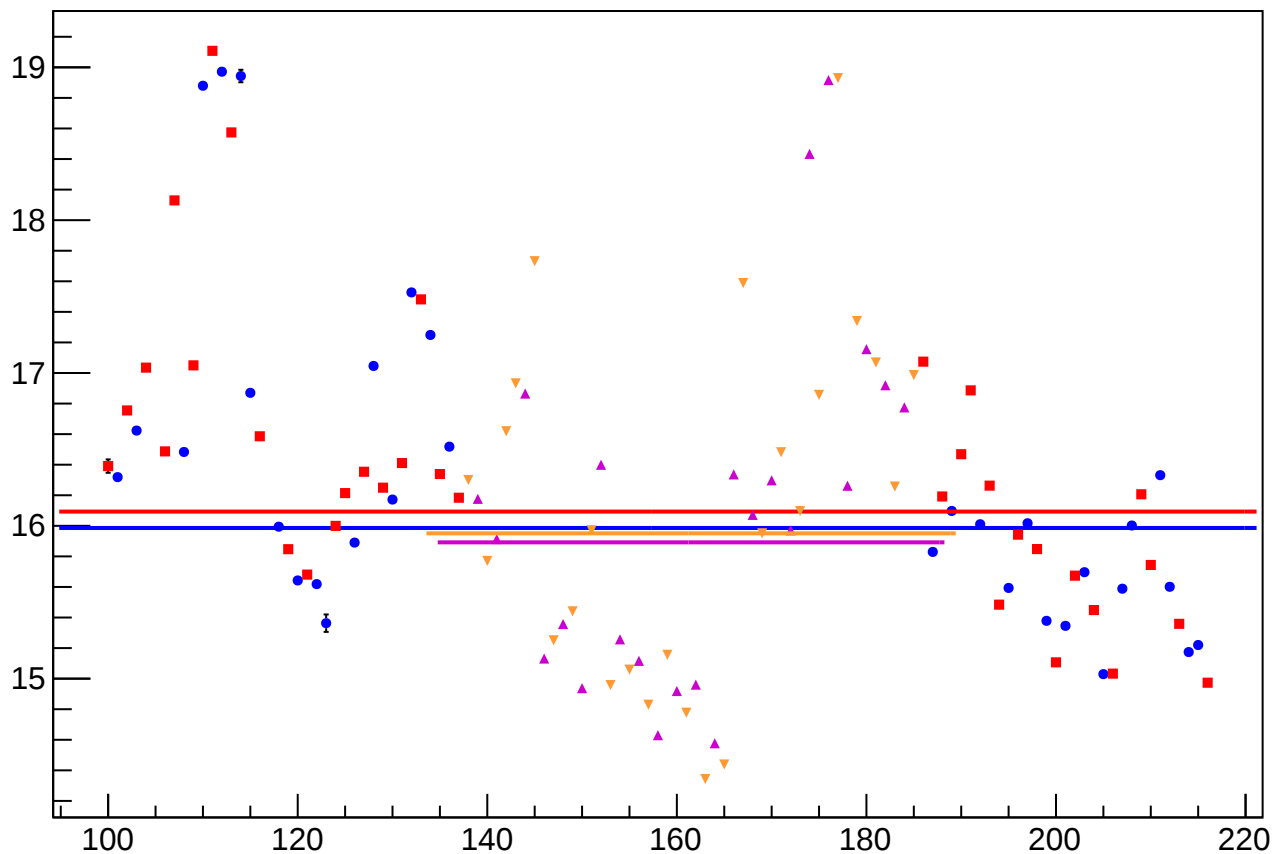
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -0.958 ± 2.673 χ^2/NDF : 31.9/56

All: 1.913 ± 1.899 χ^2/NDF : 109.9/114

- sign 4.837 ± 2.698 χ^2/NDF : 75.7/57

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.986 $\pm$ 0.003 χ^2 /NDF: 88287.4/31

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF:173458.5/24

Right Out: 16.093 $\pm$ 0.003 χ^2 /NDF: 100648.6/34

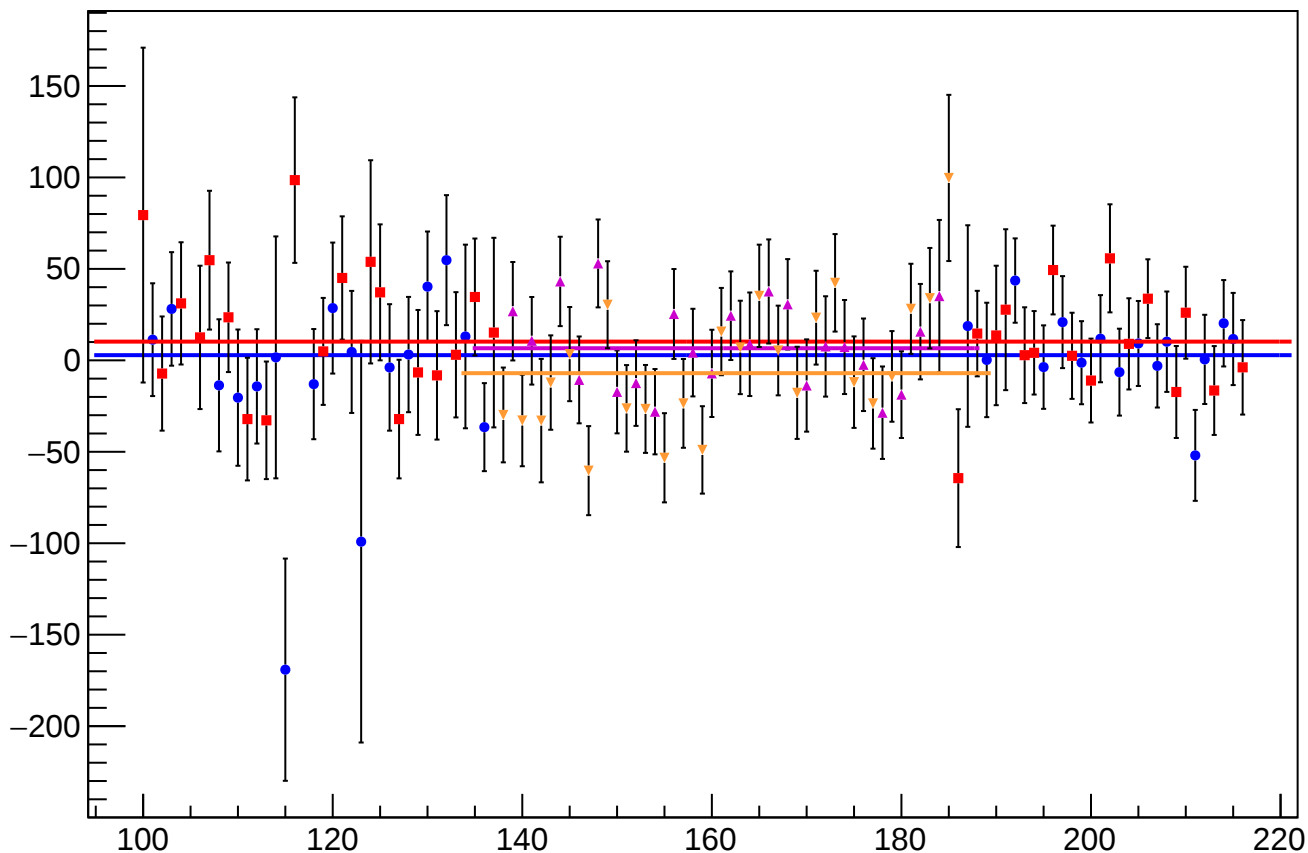
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF:147093.3/22

+ sign 15.968 $\pm$ 0.002 χ^2 /NDF: 261833.1/56

All: 15.980 $\pm$ 0.001 χ^2 /NDF: 512448.4/114

- sign 15.993 $\pm$ 0.002 χ^2 /NDF: 250526.4/57

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 2.830 ± 5.143 χ^2/NDF : 27.6/31

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 10.237 ± 5.092 χ^2/NDF : 29.7/34

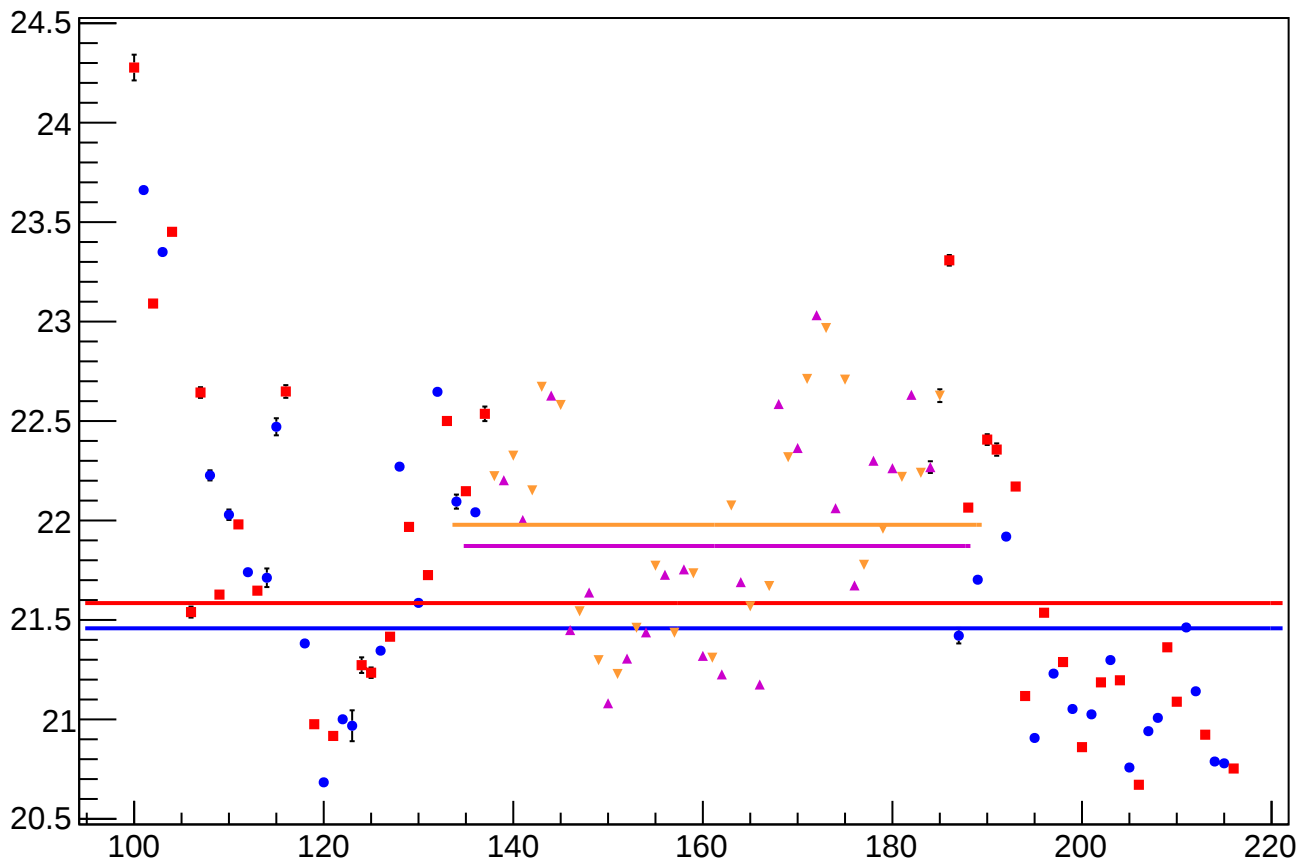
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -2.115 ± 3.629 χ^2/NDF : 66.9/56

All: 3.144 ± 2.576 χ^2/NDF : 120.2/114

- sign 8.480 ± 3.656 χ^2/NDF : 49.0/57

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.458 ± 0.004 χ^2/NDF : 36673.7/31

Left Out: 21.978 ± 0.004 χ^2/NDF : 19430.2/24

Right Out: 21.585 ± 0.004 χ^2/NDF : 40204.3/34

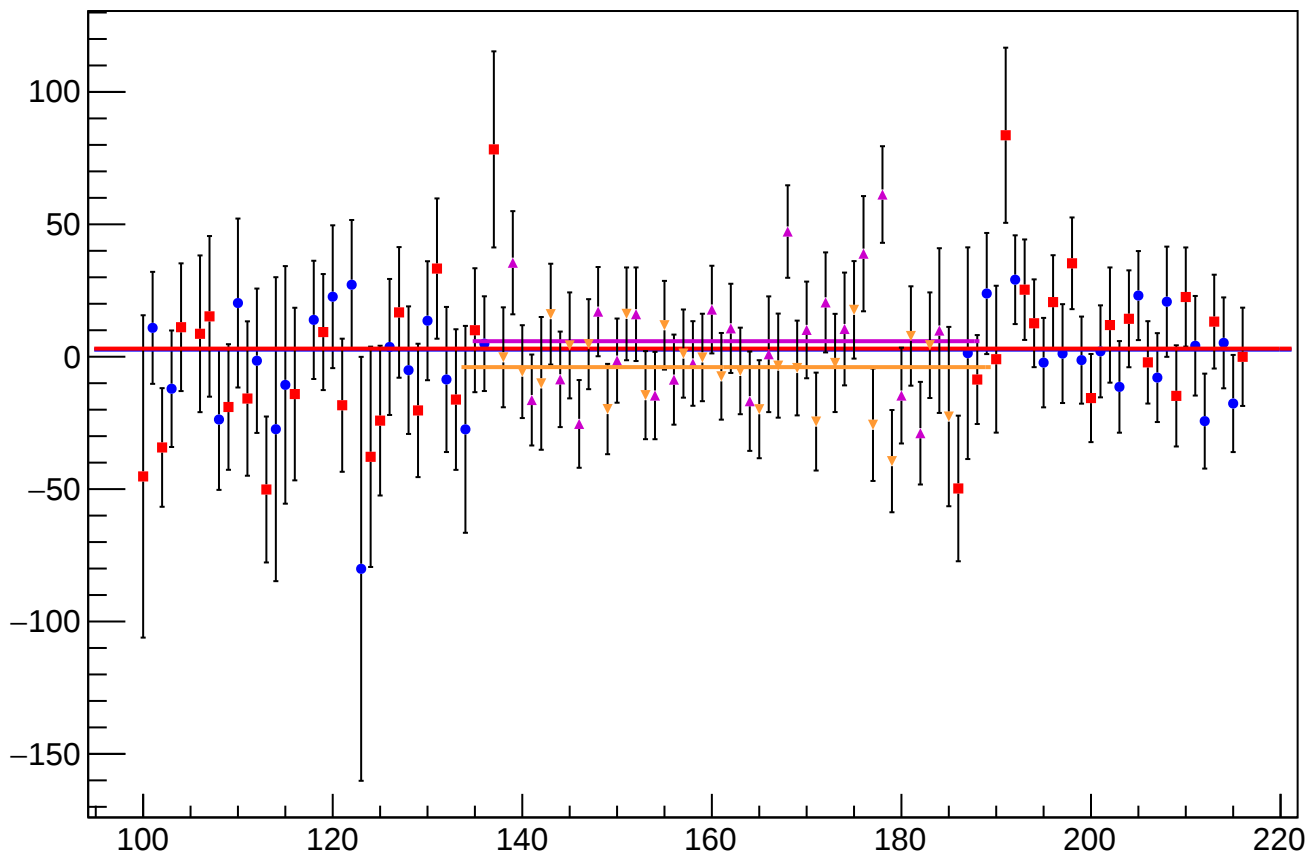
Left In: 21.872 ± 0.004 χ^2/NDF : 20524.9/22

+ sign 21.719 ± 0.003 χ^2/NDF : 66386.0/56

All: 21.722 ± 0.002 χ^2/NDF : 130195.7/114

- sign 21.724 ± 0.003 χ^2/NDF : 63808.1/57

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.677 ± 3.810 χ^2/NDF : 16.6/31

Left Out: -3.927 ± 3.688 χ^2/NDF : 14.0/24

Right Out: 3.063 ± 3.778 χ^2/NDF : 39.4/34

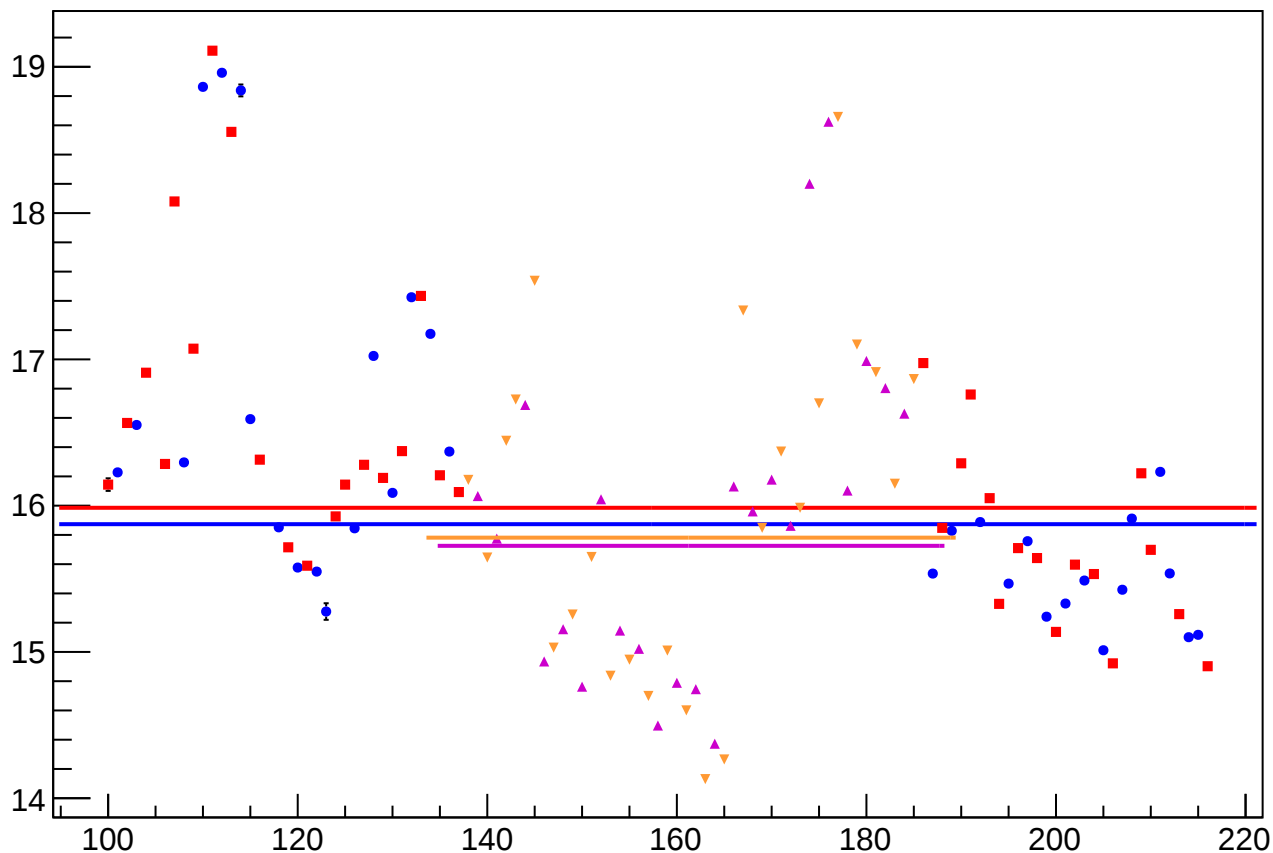
Left In: 5.861 ± 3.787 χ^2/NDF : 36.2/22

+ sign -0.732 ± 2.650 χ^2/NDF : 32.1/56

All: 1.839 ± 1.882 χ^2/NDF : 109.9/114

- sign 4.458 ± 2.674 χ^2/NDF : 75.9/57

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.873 $\pm$ 0.003 χ^2 /NDF: 90472.7/31

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF:172894.3/24

Right Out: 15.985 $\pm$ 0.003 χ^2 /NDF: 102511.3/34

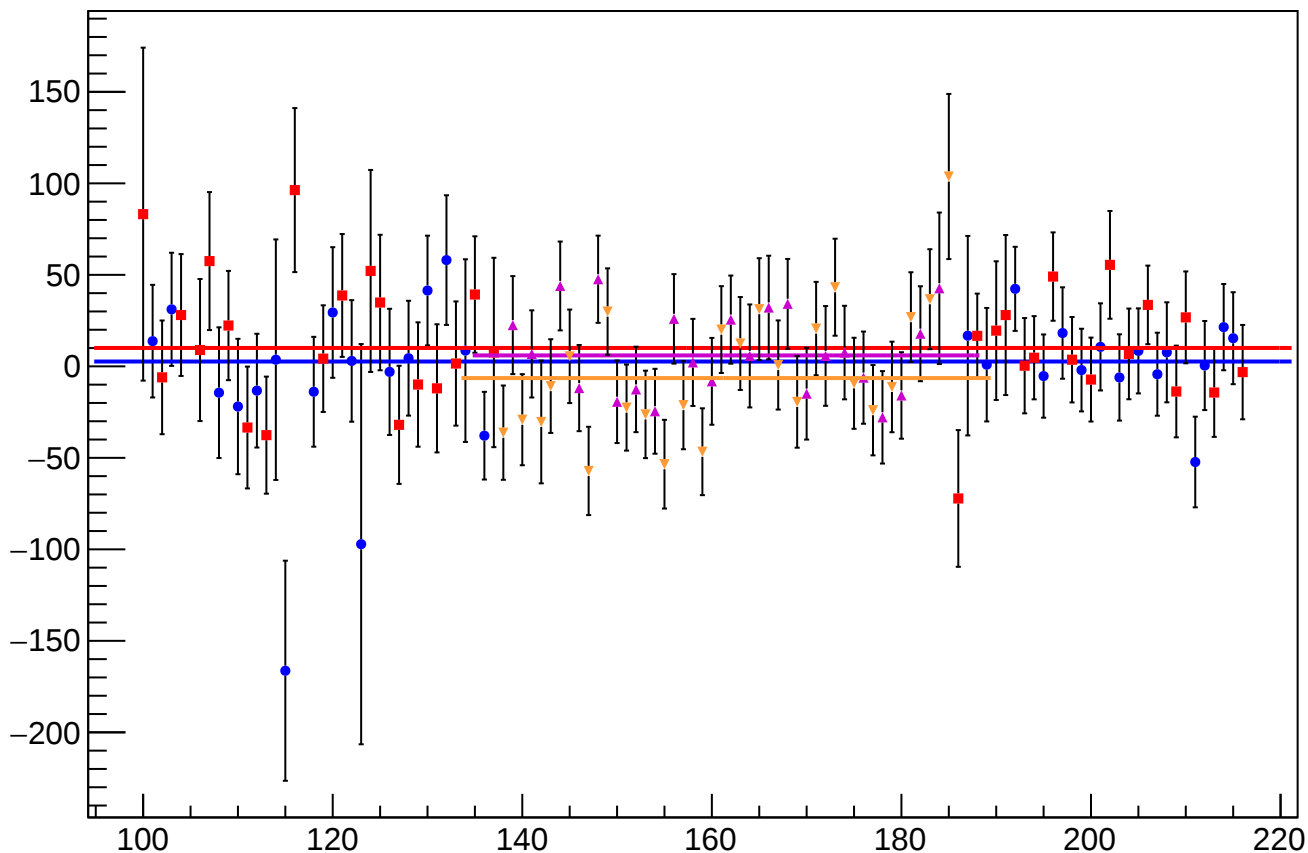
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF:145830.9/22

+ sign 15.826 $\pm$ 0.002 χ^2 /NDF: 263970.1/56

All: 15.841 $\pm$ 0.001 χ^2 /NDF: 517166.5/114

- sign 15.856 $\pm$ 0.002 χ^2 /NDF: 253070.1/57

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 2.639 ± 5.122 χ^2/NDF : 28.4/31

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 10.050 ± 5.068 χ^2/NDF : 30.6/34

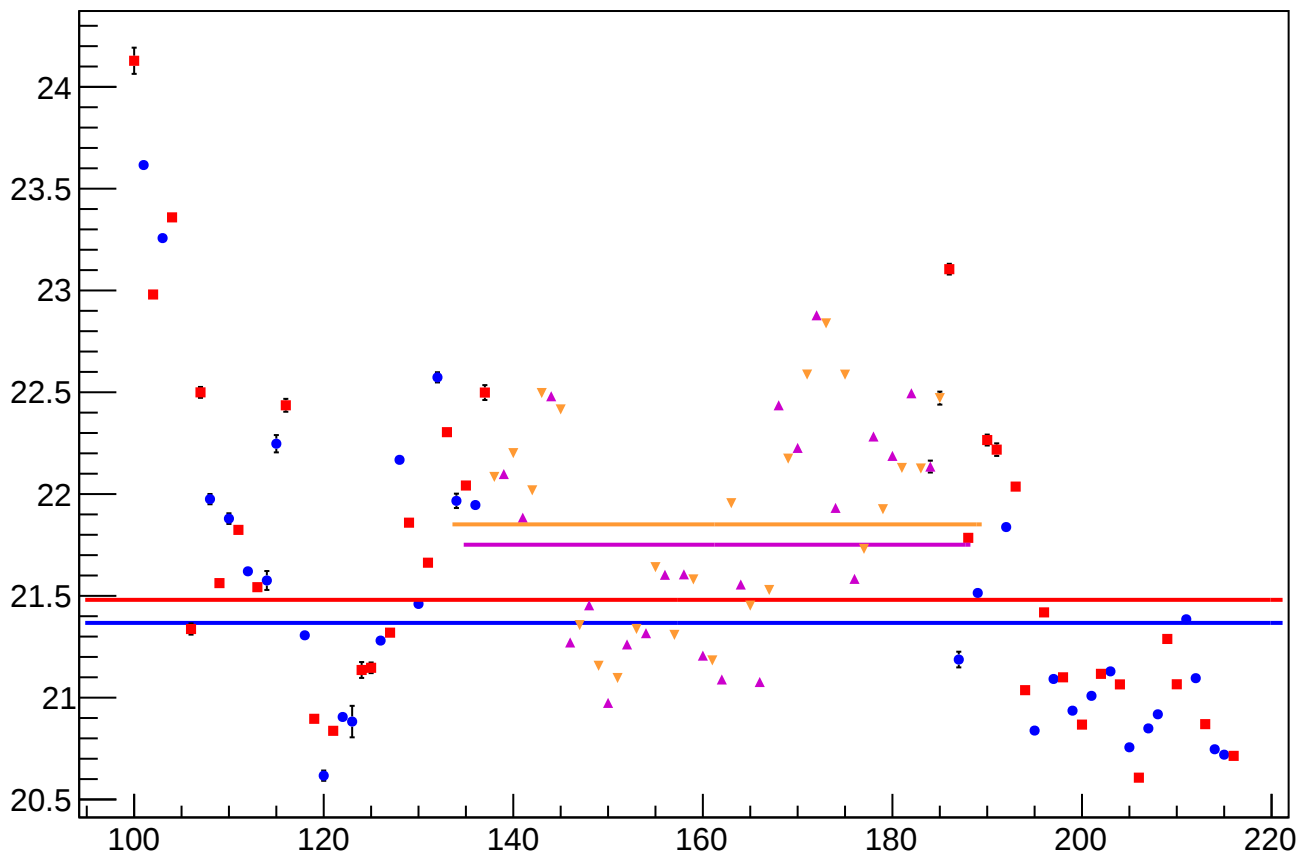
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -1.909 ± 3.611 χ^2/NDF : 67.4/56

All: 3.047 ± 2.562 χ^2/NDF : 120.6/114

- sign 8.075 ± 3.637 χ^2/NDF : 49.4/57

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.367 $\pm$ 0.004 χ^2 /NDF: 35677.5/31

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF: 19631.8/24

Right Out: 21.480 $\pm$ 0.004 χ^2 /NDF: 37147.0/34

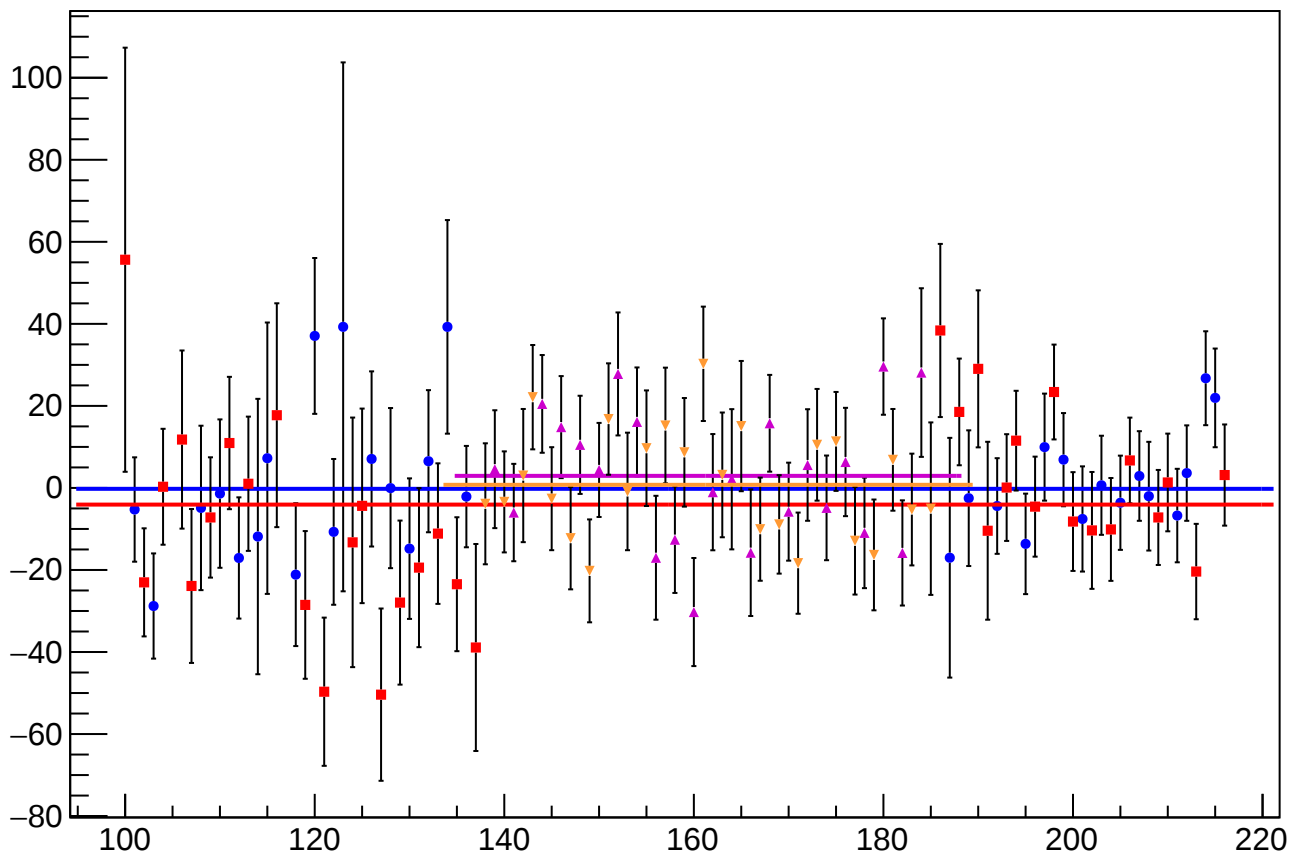
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF: 20516.3/22

+ sign 21.611 $\pm$ 0.003 χ^2 /NDF: 64290.1/56

All: 21.611 $\pm$ 0.002 χ^2 /NDF: 124722.0/114

- sign 21.612 $\pm$ 0.003 χ^2 /NDF: 60431.8/57

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.218 $\pm$ 2.583 χ^2/NDF : 28.6/31

Left Out: 0.759 $\pm$ 2.698 χ^2/NDF : 23.8/24

Right Out: -4.062 $\pm$ 2.577 χ^2/NDF : 47.2/34

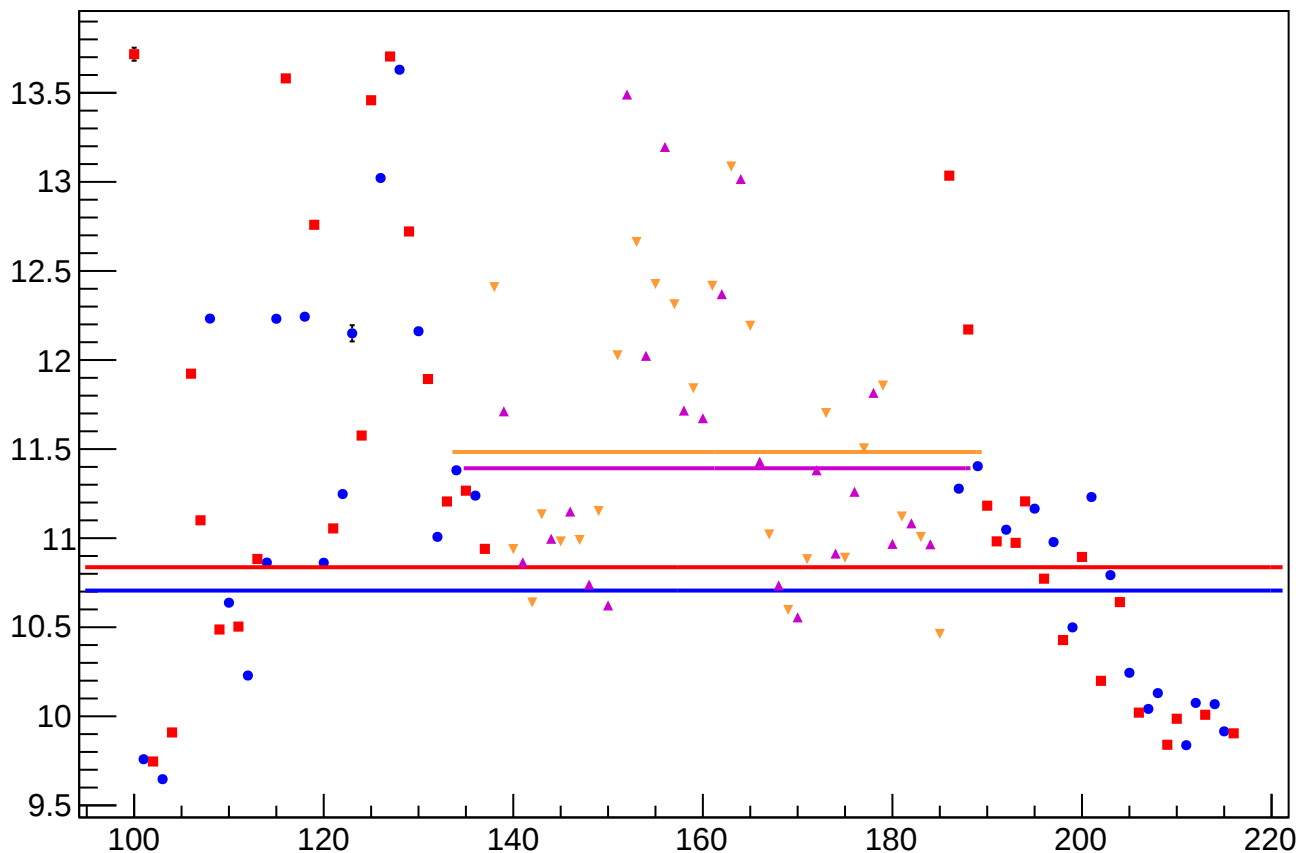
Left In: 2.944 $\pm$ 2.757 χ^2/NDF : 30.9/22

+ sign 0.249 $\pm$ 1.866 χ^2/NDF : 52.4/56

All: -0.268 $\pm$ 1.325 χ^2/NDF : 134.2/114

- sign -0.795 $\pm$ 1.883 χ^2/NDF : 81.6/57

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.706 $\pm$ 0.002 χ^2 /NDF: 210413.9/31

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 10.837 $\pm$ 0.002 χ^2 /NDF: 279658.1/34

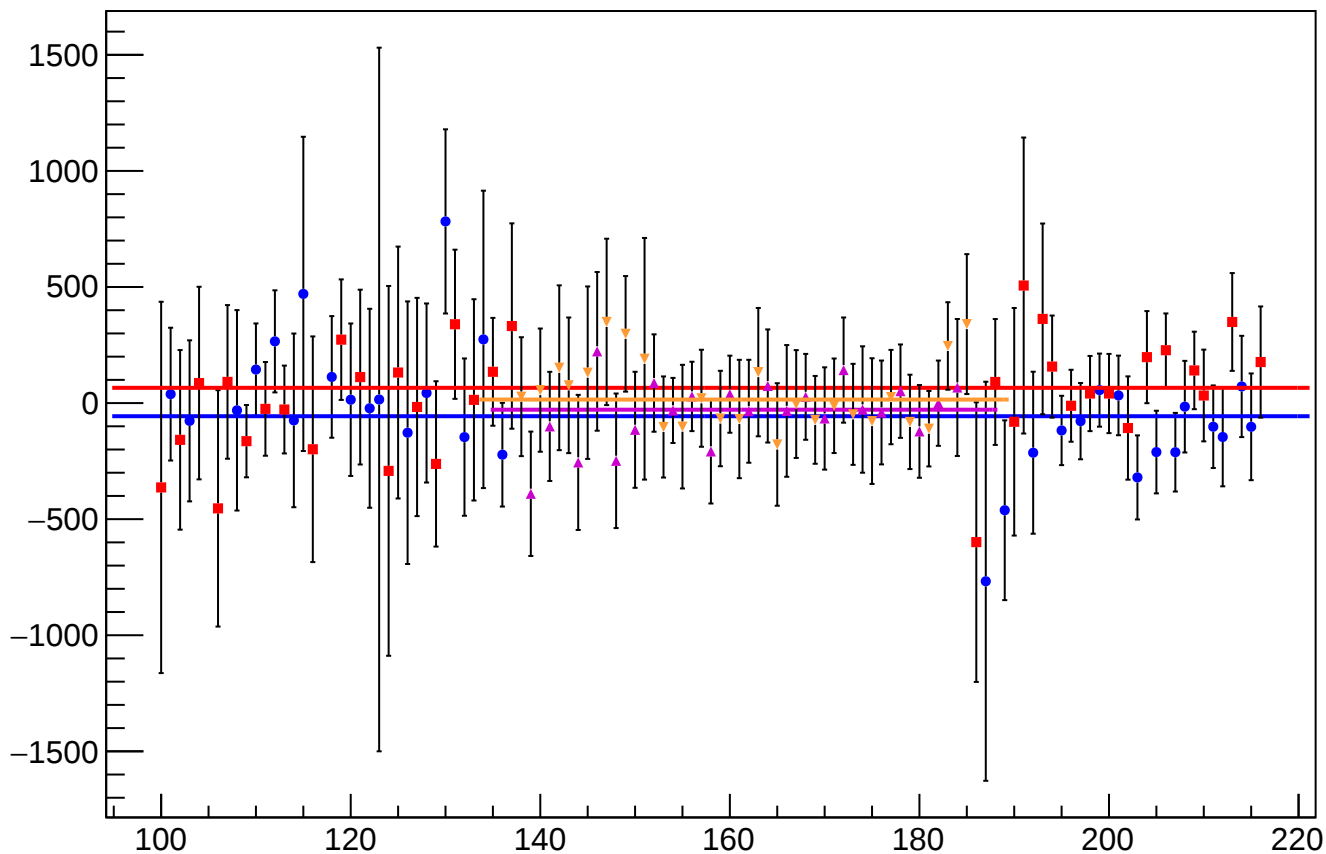
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.078 $\pm$ 0.001 χ^2 /NDF: 426961.0/56

All: 11.087 $\pm$ 0.001 χ^2 /NDF: 900517.0/114

- sign 11.096 $\pm$ 0.001 χ^2 /NDF: 473462.0/57

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -56.575 ± 42.746 χ^2/NDF : 17.2/31

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 65.743 ± 42.498 χ^2/NDF : 14.7/34

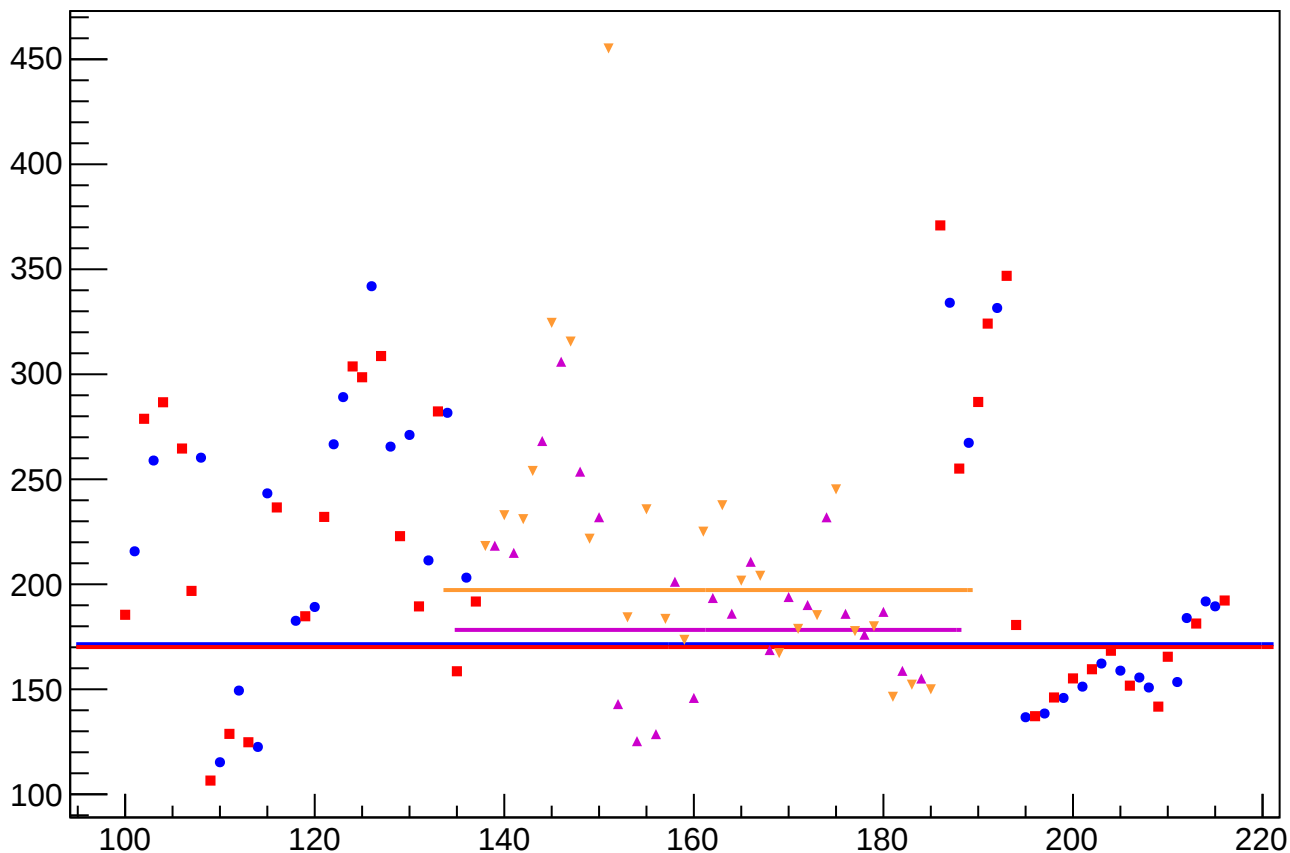
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign -24.642 ± 31.835 χ^2/NDF : 26.4/56

All: -1.037 ± 22.147 χ^2/NDF : 50.9/114

- sign 21.102 ± 30.831 χ^2/NDF : 23.4/57

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 171.473 $\pm$ 0.030 χ^2 /NDF: 2168337.2/31

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF:1786808.1/24

Right Out: 170.102 $\pm$ 0.030 χ^2 /NDF: 2852791.8/34

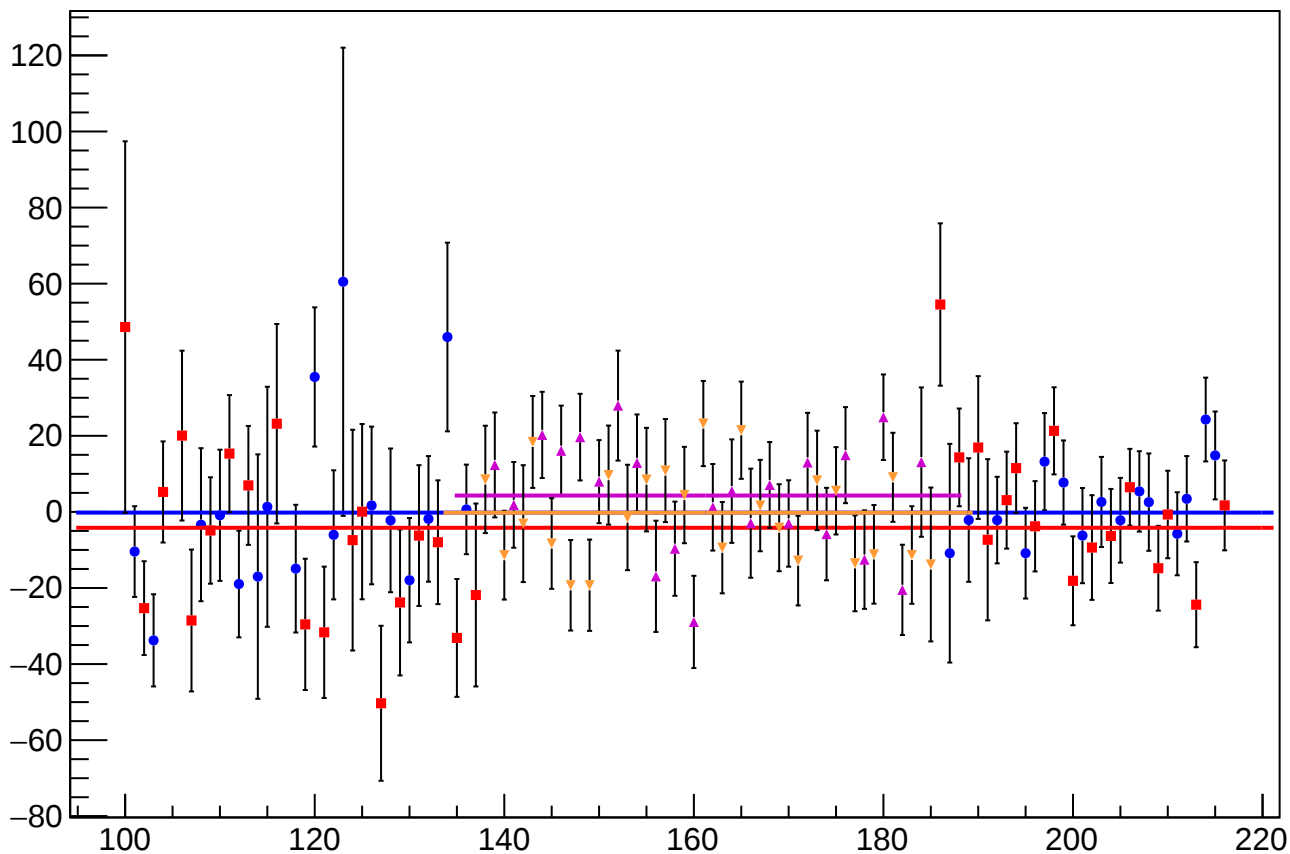
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF:1628916.6/22

+ sign 182.952 $\pm$ 0.023 χ^2 /NDF: 4279029.7/56

All: 178.319 $\pm$ 0.016 χ^2 /NDF: 8877863.7/114

- sign 173.974 $\pm$ 0.022 χ^2 /NDF: 4516762.6/57

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -0.184 ± 2.491 χ^2/NDF : 31.1/31

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -4.169 ± 2.492 χ^2/NDF : 50.9/34

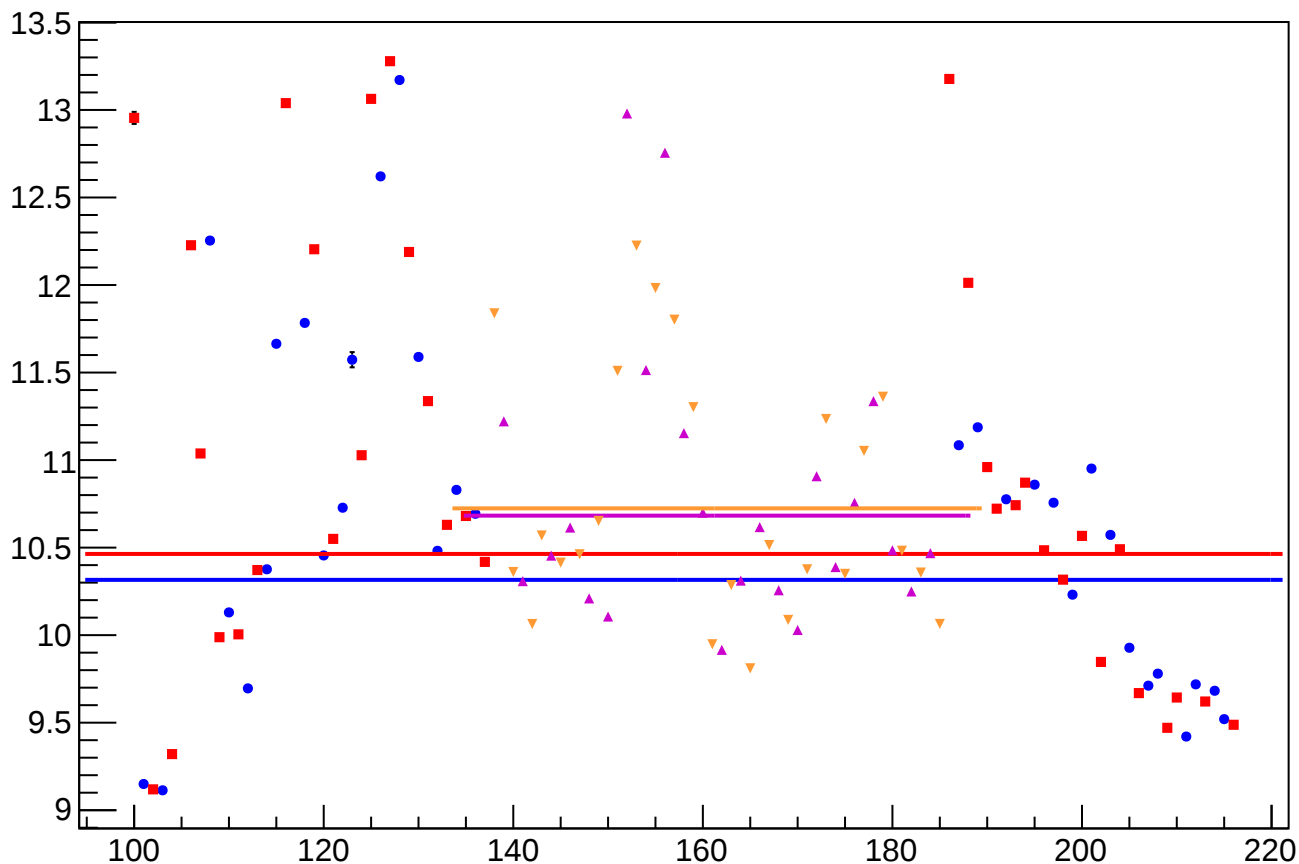
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -0.197 ± 1.773 χ^2/NDF : 55.6/56

All: -0.148 ± 1.261 χ^2/NDF : 143.7/114

- sign -0.098 ± 1.795 χ^2/NDF : 88.1/57

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.316 $\pm$ 0.002 χ^2 /NDF: 239205.1/31

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF: 132558.9/24

Right Out: 10.464 $\pm$ 0.002 χ^2 /NDF: 322066.9/34

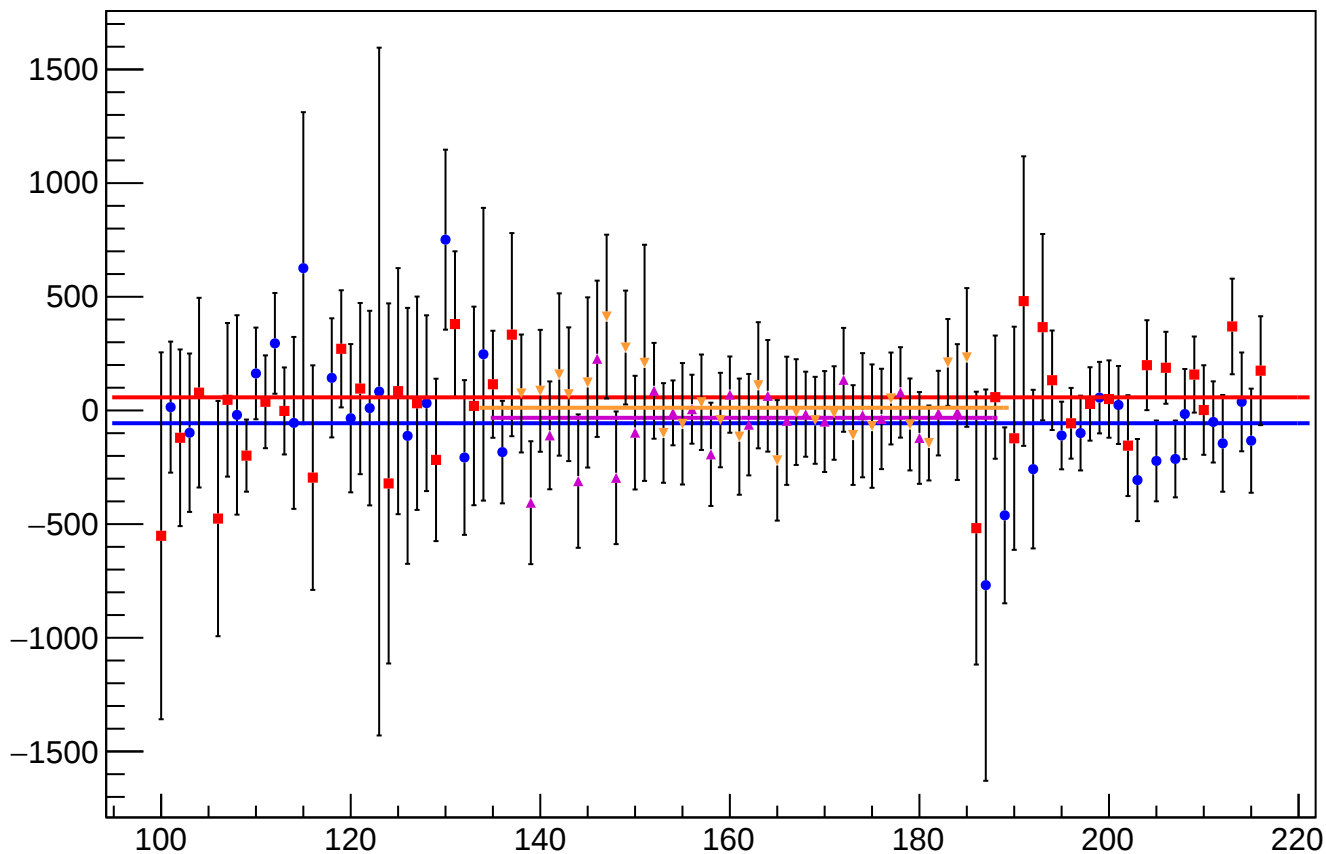
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF: 147835.6/22

+ sign 10.517 $\pm$ 0.001 χ^2 /NDF: 398290.7/56

All: 10.543 $\pm$ 0.001 χ^2 /NDF: 876444.8/114

- sign 10.569 $\pm$ 0.001 χ^2 /NDF: 477314.6/57

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -56.214 ± 42.806 χ^2/NDF : 17.6/31

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 57.683 ± 42.621 χ^2/NDF : 15.8/34

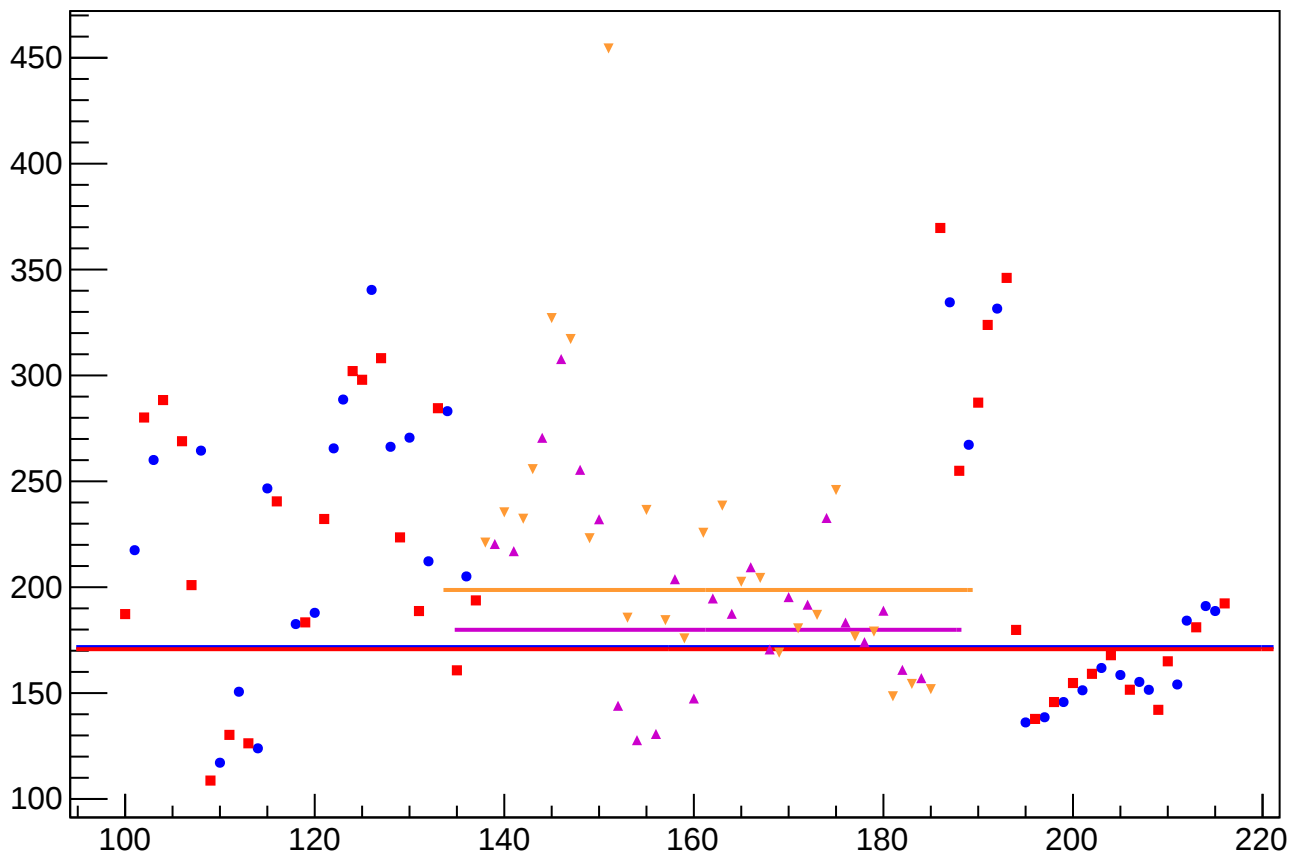
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign -26.060 ± 31.954 χ^2/NDF : 26.3/56

All: -4.784 ± 22.248 χ^2/NDF : 52.0/114

- sign 15.234 ± 30.995 χ^2/NDF : 24.8/57

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.723 $\pm$ 0.030 χ^2 /NDF: 2163469.5/31

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF: 1759311.9/24

Right Out: 170.731 $\pm$ 0.030 χ^2 /NDF: 2811029.2/34

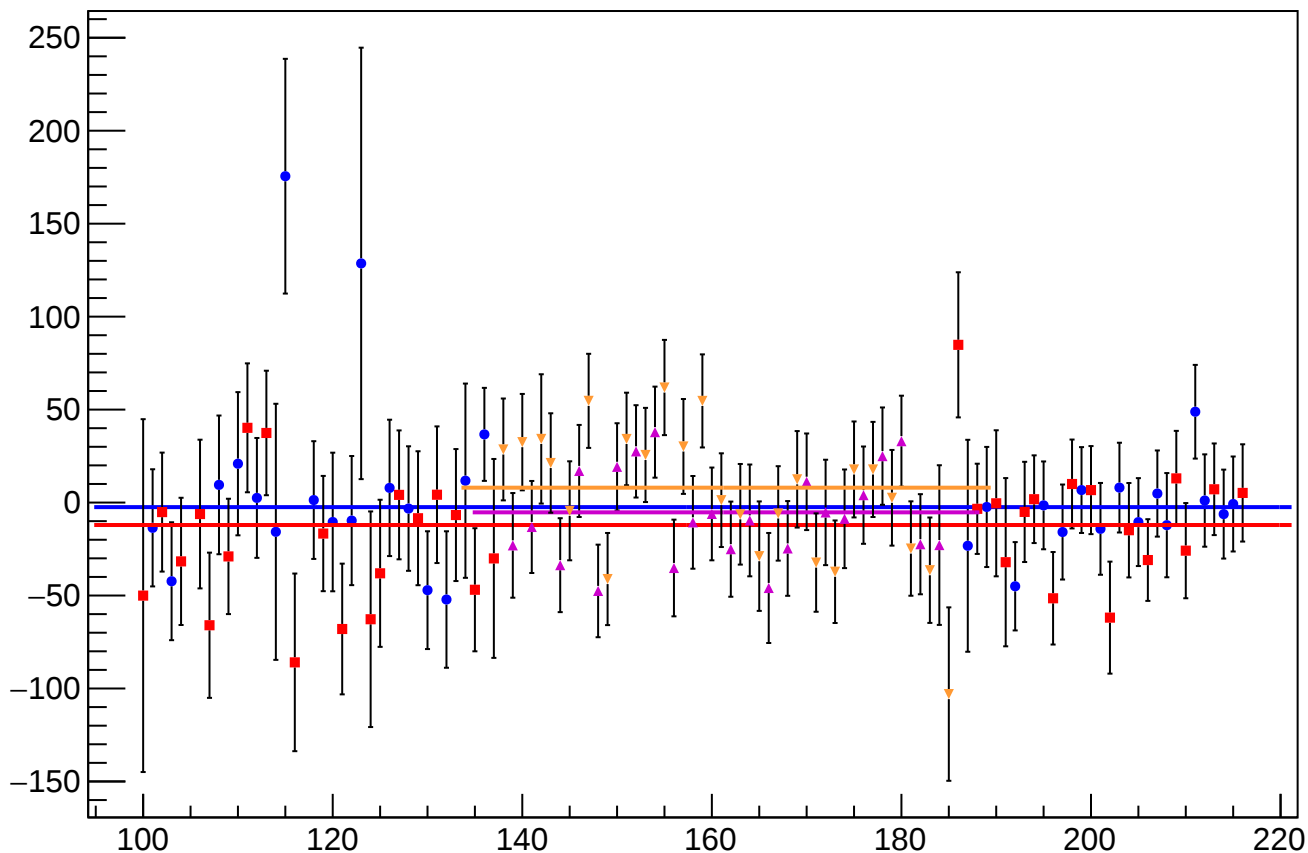
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF: 1580636.4/22

+ sign 183.665 $\pm$ 0.023 χ^2 /NDF: 4274354.7/56

All: 179.223 $\pm$ 0.016 χ^2 /NDF: 8784505.2/114

- sign 175.044 $\pm$ 0.022 χ^2 /NDF: 4435150.7/57

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.450 ± 5.287 χ^2/NDF : 26.7/31

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -12.074 ± 5.247 χ^2/NDF : 31.8/34

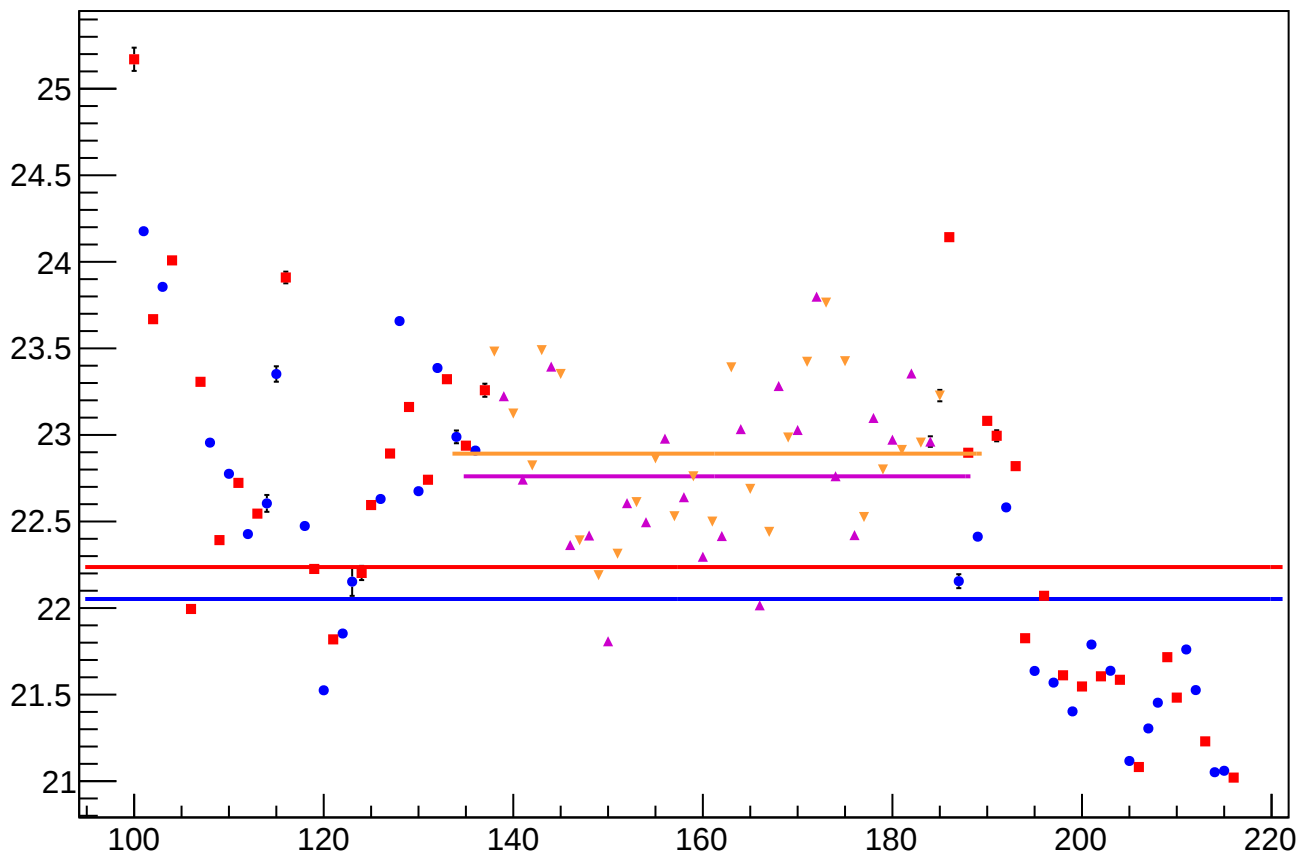
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 2.731 ± 3.755 χ^2/NDF : 66.1/56

All: -2.991 ± 2.666 χ^2/NDF : 124.1/114

- sign -8.805 ± 3.785 χ^2/NDF : 53.4/57

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.052 $\pm$ 0.004 χ^2 /NDF: 49810.8/31

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF: 12995.5/24

Right Out: 22.237 $\pm$ 0.004 χ^2 /NDF: 52660.8/34

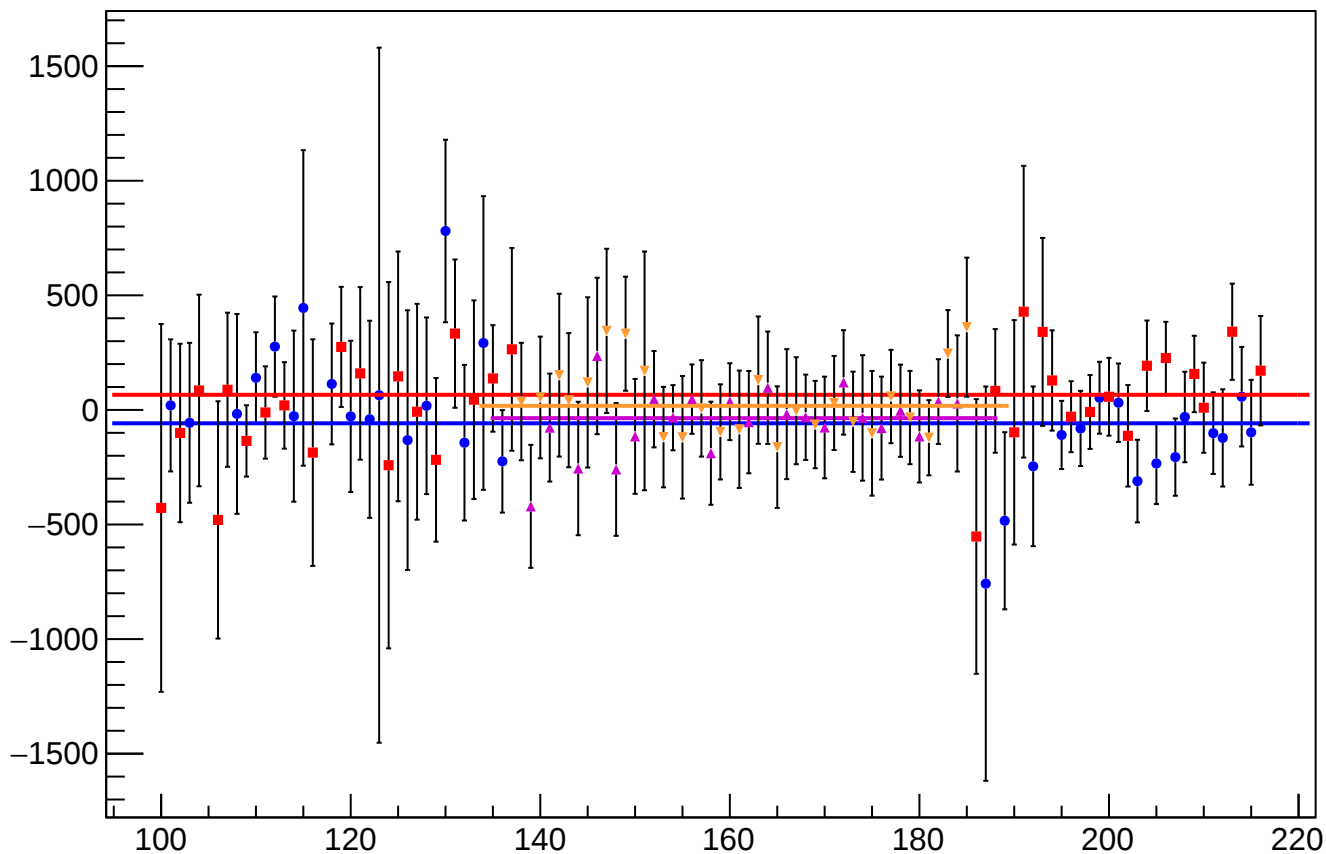
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF: 14550.0/22

+ sign 22.468 $\pm$ 0.003 χ^2 /NDF: 87804.8/56

All: 22.478 $\pm$ 0.002 χ^2 /NDF: 164615.2/114

- sign 22.488 $\pm$ 0.003 χ^2 /NDF: 76782.5/57

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -58.370 ± 42.687 $\chi^2/\text{NDF}: 17.1/31$

Left Out: 17.777 ± 47.941 $\chi^2/\text{NDF}: 8.5/24$

Right Out: 65.959 ± 42.443 $\chi^2/\text{NDF}: 13.3/34$

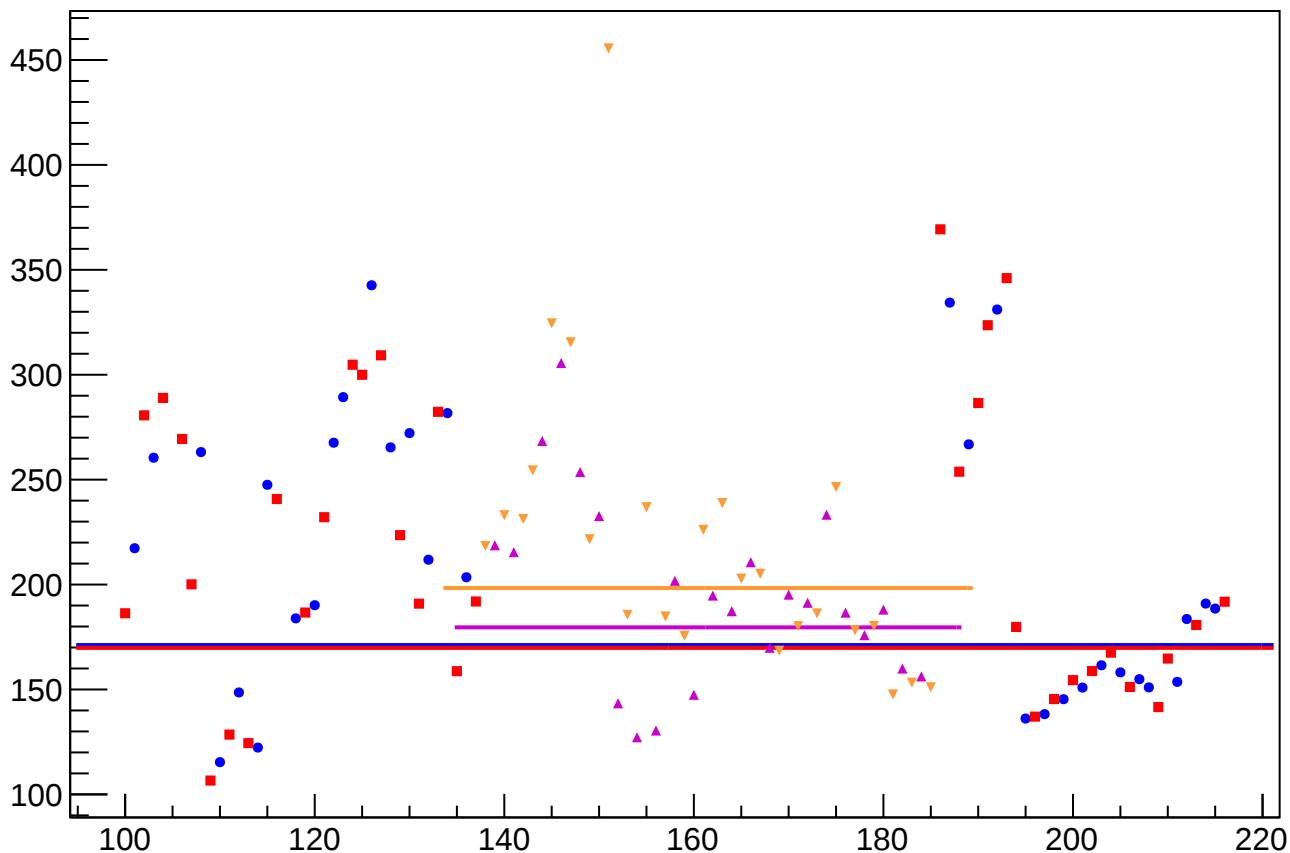
Left In: -35.879 ± 45.087 $\chi^2/\text{NDF}: 6.3/22$

+ sign -24.696 ± 31.881 $\chi^2/\text{NDF}: 27.0/56$

All: -2.626 ± 22.190 $\chi^2/\text{NDF}: 50.3/114$

- sign 18.113 ± 30.904 $\chi^2/\text{NDF}: 22.4/57$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.175+/-0.030 χ^2/NDF : 2194683.9/31

Left Out: 198.344+/-0.034 χ^2/NDF :1757450.6/24

Right Out: 169.831+/-0.030 χ^2/NDF : 2879812.8/34

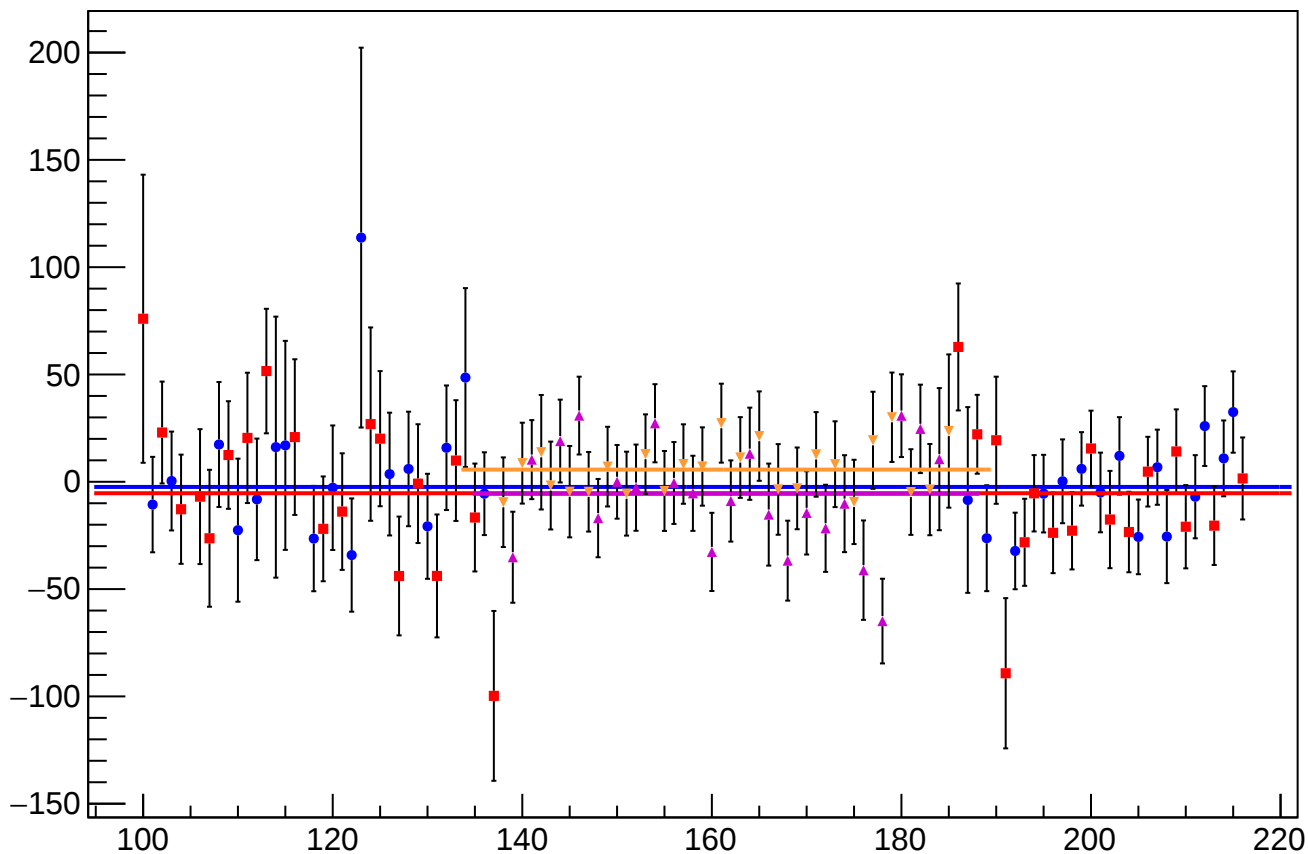
Left In: 179.605+/-0.032 χ^2/NDF :1575744.0/22

+ sign 183.190+/-0.023 χ^2/NDF : 4310393.1/56

All: 178.670+/-0.016 χ^2/NDF : 8893752.2/114

- sign 174.423+/-0.022 χ^2/NDF : 4505388.6/57

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.398 $\pm$ 4.025 χ^2/NDF : 22.3/31

Left Out: 5.680 $\pm$ 4.024 χ^2/NDF : 7.7/24

Right Out: -5.329 $\pm$ 4.005 χ^2/NDF : 43.3/34

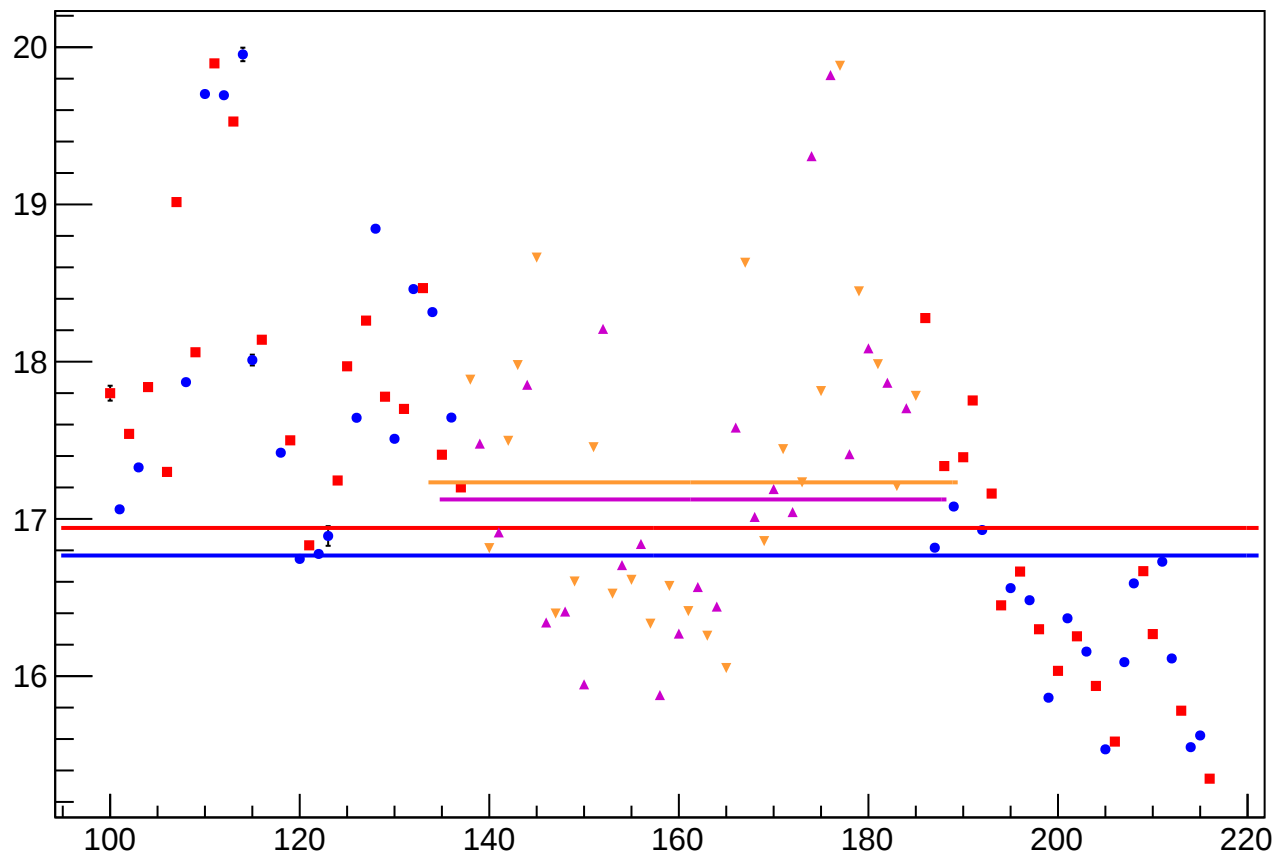
Left In: -5.595 $\pm$ 4.121 χ^2/NDF : 36.4/22

+ sign 1.643 $\pm$ 2.846 χ^2/NDF : 32.0/56

All: -1.875 $\pm$ 2.022 χ^2/NDF : 114.8/114

- sign -5.458 $\pm$ 2.872 χ^2/NDF : 79.7/57

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.767 $\pm$ 0.003 χ^2 /NDF: 121535.1/31

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 16.943 $\pm$ 0.003 χ^2 /NDF: 134418.5/34

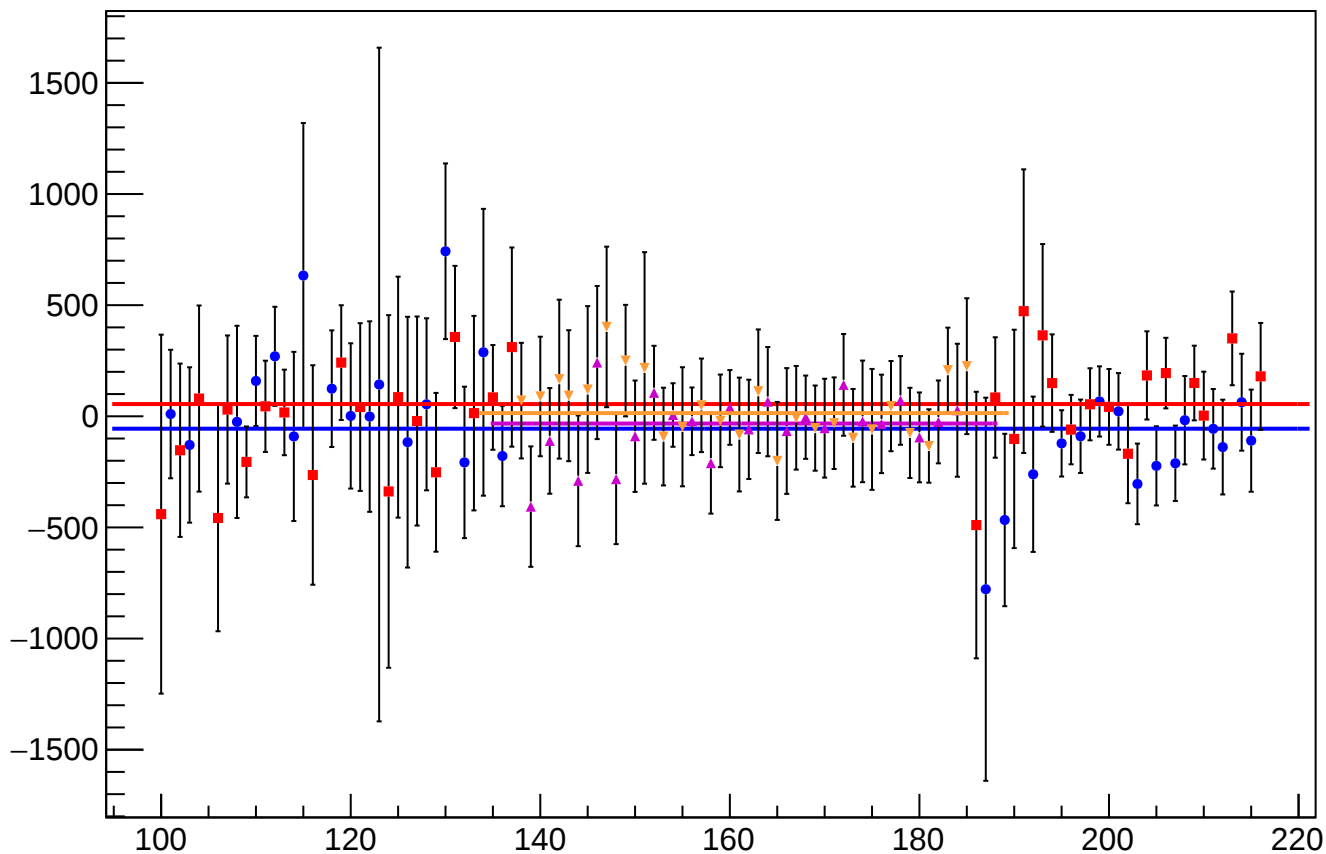
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.000 $\pm$ 0.002 χ^2 /NDF: 233600.8/56

All: 17.015 $\pm$ 0.001 χ^2 /NDF: 470869.4/114

- sign 17.031 $\pm$ 0.002 χ^2 /NDF: 237154.0/57

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -55.820 ± 42.933 χ^2/NDF : 17.2/31

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 55.044 ± 42.735 χ^2/NDF : 15.1/34

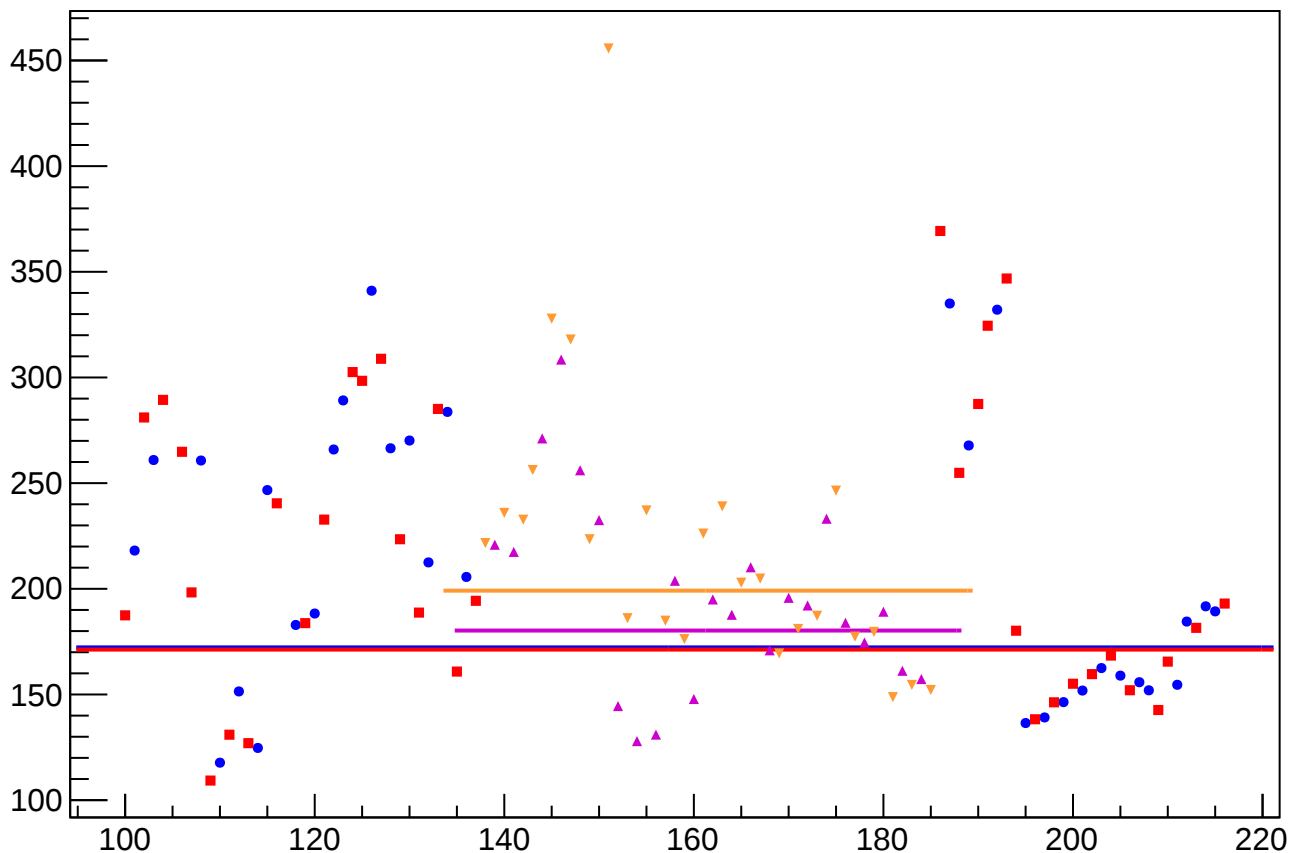
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign -24.721 ± 32.038 χ^2/NDF : 25.3/56

All: -4.901 ± 22.304 χ^2/NDF : 49.8/114

- sign 13.737 ± 31.068 χ^2/NDF : 23.8/57

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.282 $\pm$ 0.030 χ^2 /NDF: 2145136.9/31

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF:1760298.1/24

Right Out: 171.248 $\pm$ 0.030 χ^2 /NDF: 2786479.5/34

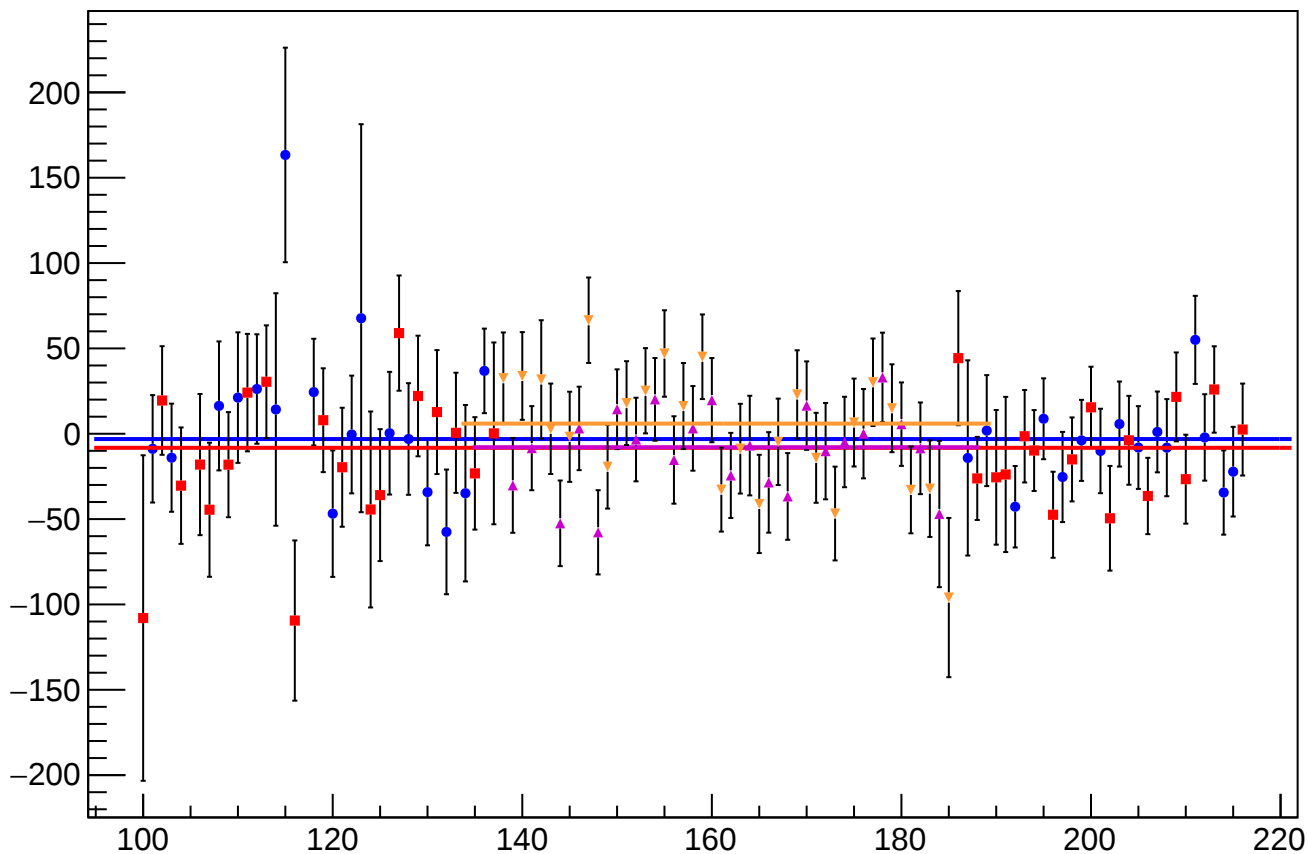
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

+ sign 184.181 $\pm$ 0.023 χ^2 /NDF: 4252157.2/56

All: 179.705 $\pm$ 0.016 χ^2 /NDF: 8736856.0/114

- sign 175.495 $\pm$ 0.022 χ^2 /NDF: 4408932.8/57

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.105 ± 5.337 χ^2/NDF : 28.8/31

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: -8.232 ± 5.279 χ^2/NDF : 30.2/34

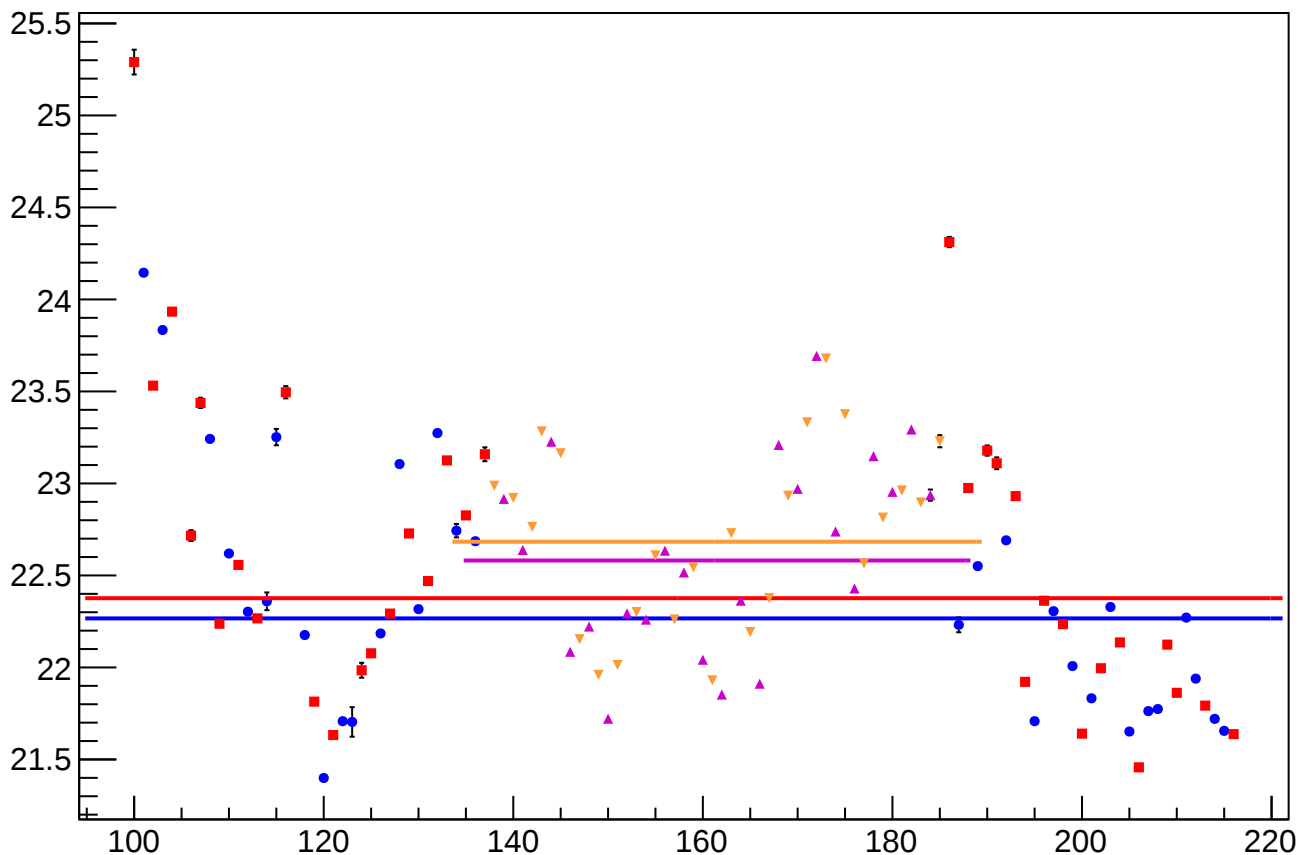
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 1.460 ± 3.755 χ^2/NDF : 66.4/56

All: -3.275 ± 2.665 χ^2/NDF : 118.5/114

- sign -8.078 ± 3.782 χ^2/NDF : 48.9/57

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.267 $\pm$ 0.004 χ^2 /NDF: 27265.4/31

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16320.2/24

Right Out: 22.376 $\pm$ 0.004 χ^2 /NDF: 33630.4/34

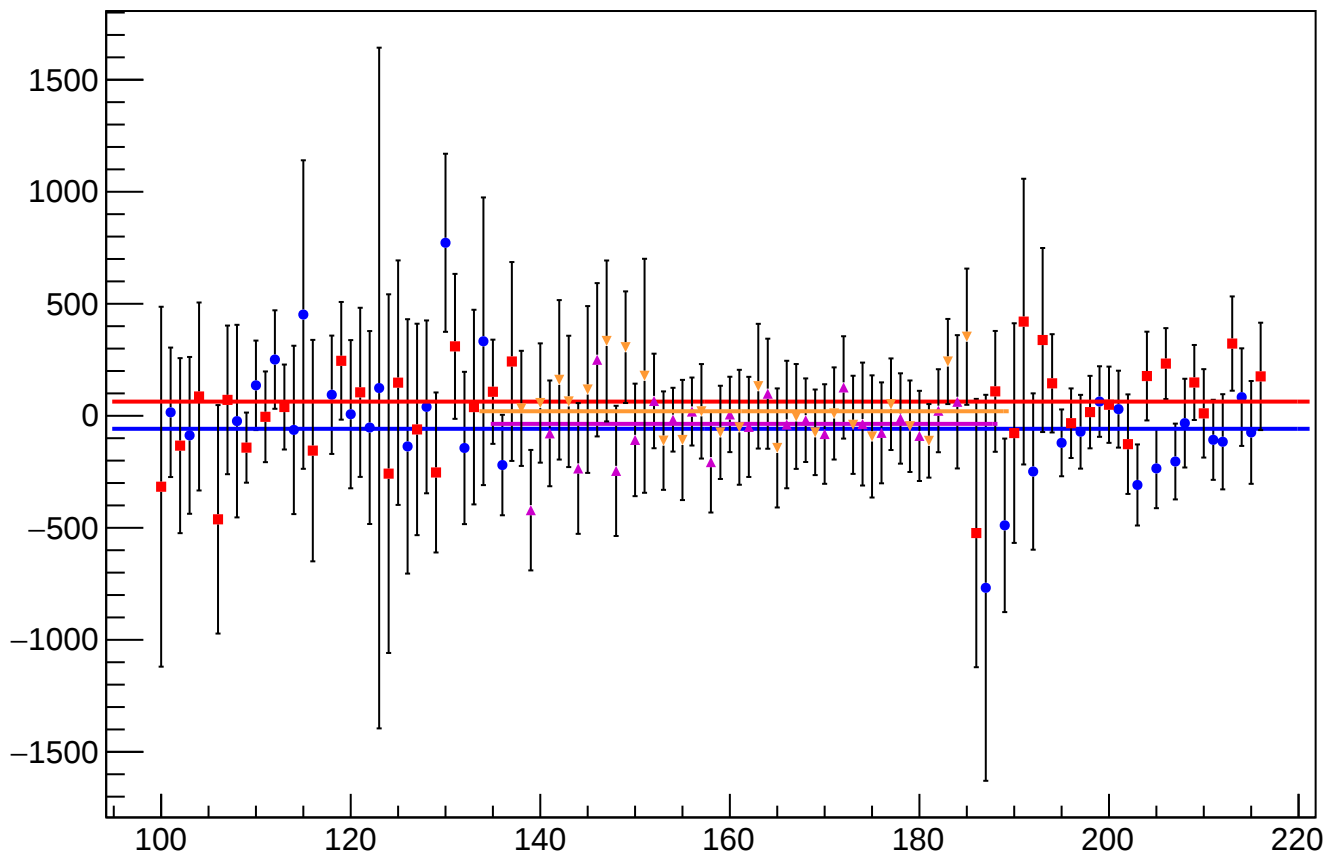
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.477 $\pm$ 0.003 χ^2 /NDF: 49741.2/56

All: 22.477 $\pm$ 0.002 χ^2 /NDF: 102742.1/114

- sign 22.476 $\pm$ 0.003 χ^2 /NDF: 53000.8/57

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -58.052 ± 42.815 χ^2/NDF : 16.8/31

Left Out: 20.306 ± 48.049 χ^2/NDF : 7.7/24

Right Out: 63.371 ± 42.558 χ^2/NDF : 12.6/34

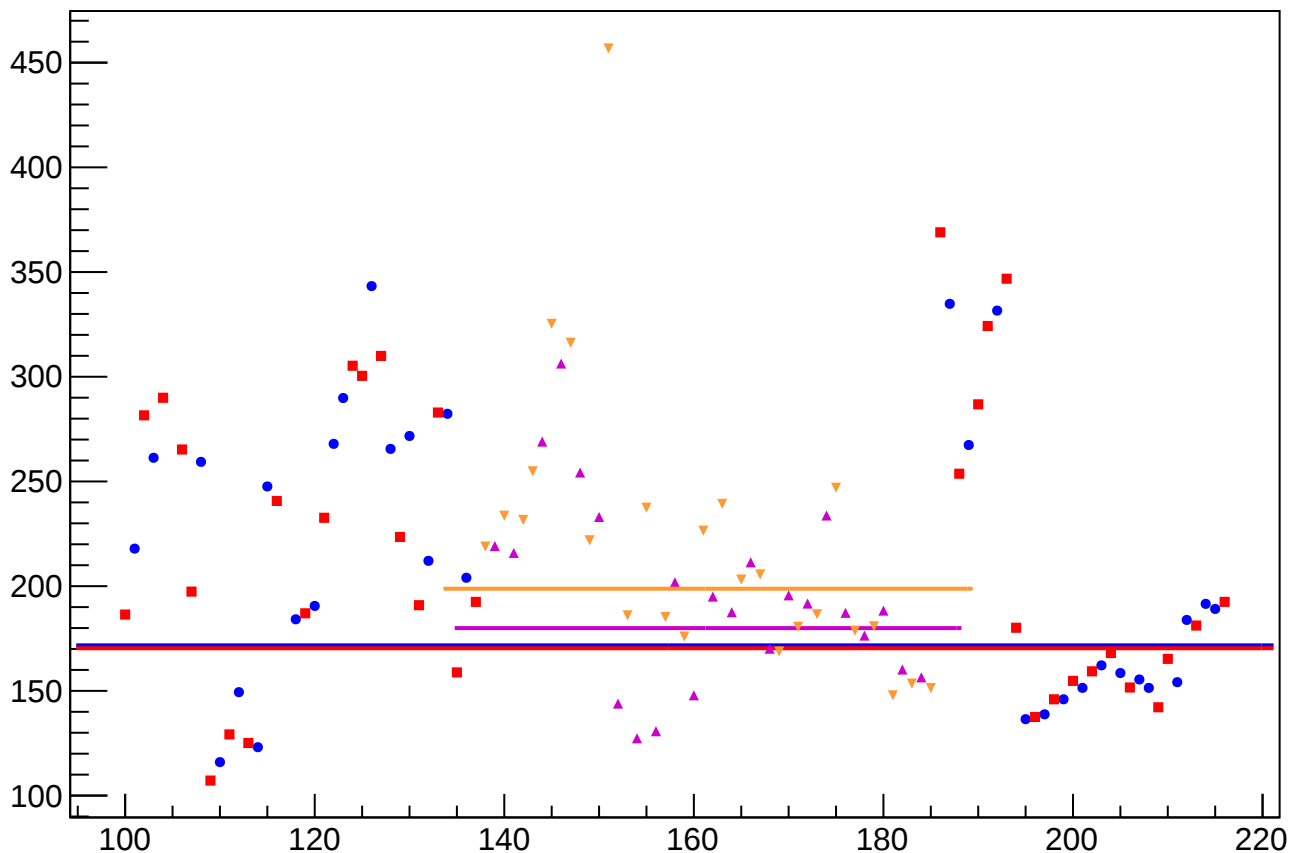
Left In: -35.996 ± 45.180 χ^2/NDF : 6.1/22

+ sign -23.371 ± 31.966 χ^2/NDF : 26.0/56

All: -2.731 ± 22.246 χ^2/NDF : 48.1/114

- sign 16.654 ± 30.978 χ^2/NDF : 21.3/57

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.739 $\pm$ 0.030 χ^2 /NDF: 2175755.5/31

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 170.354 $\pm$ 0.030 χ^2 /NDF: 2854352.2/34

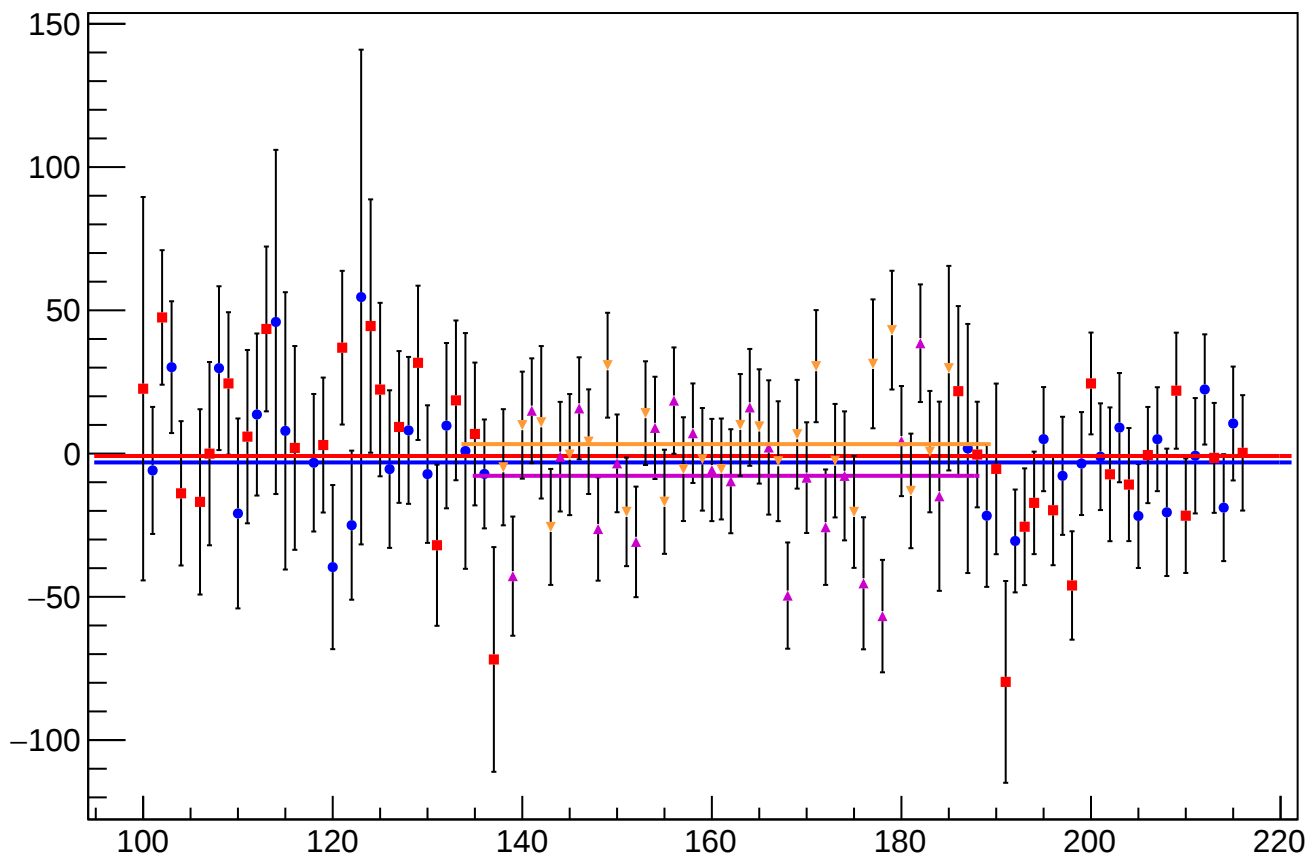
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 183.709 $\pm$ 0.023 χ^2 /NDF: 4287434.1/56

All: 179.154 $\pm$ 0.016 χ^2 /NDF: 8844450.9/114

- sign 174.876 $\pm$ 0.022 χ^2 /NDF: 4478265.7/57

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.089 ± 4.091 χ^2/NDF : 16.4/31

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: -0.847 ± 4.050 χ^2/NDF : 38.0/34

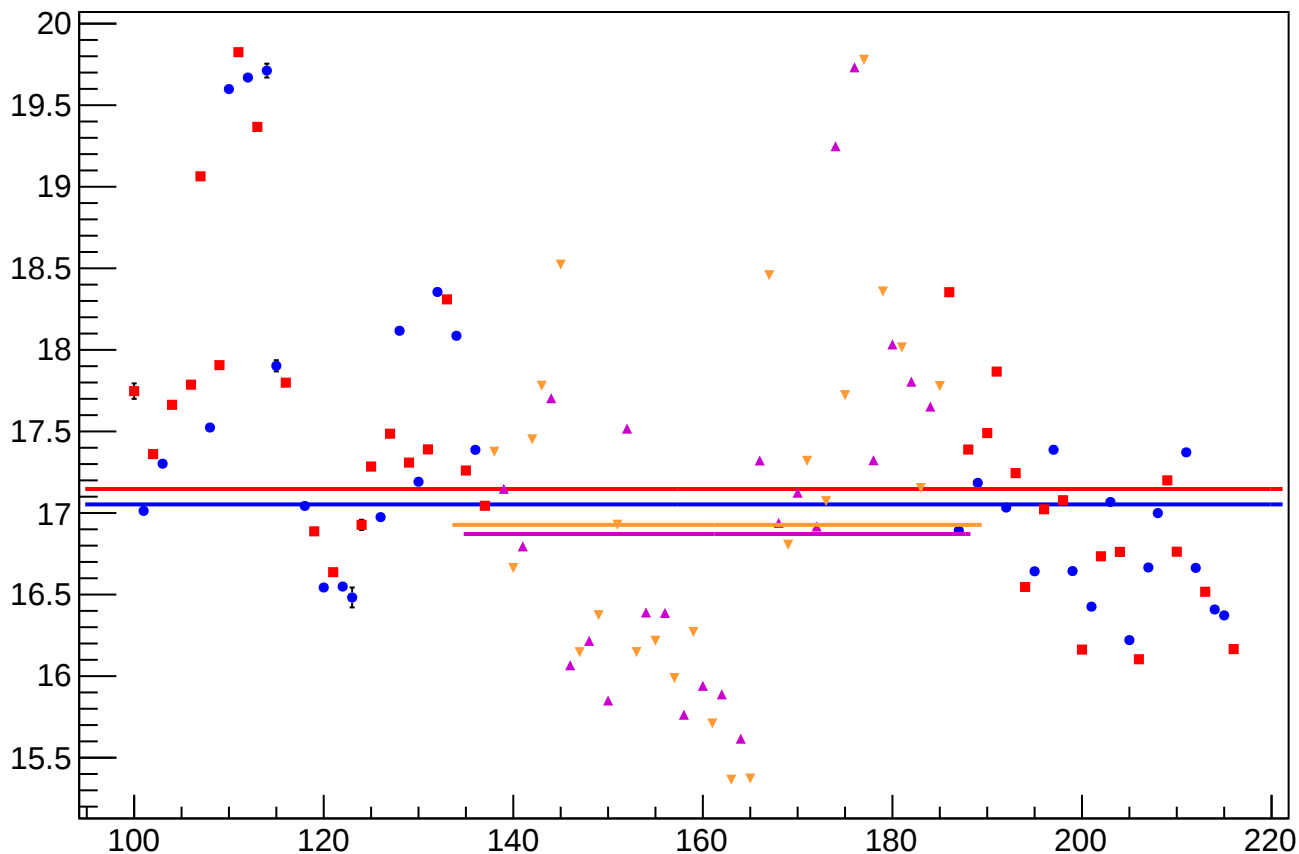
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 0.218 ± 2.843 χ^2/NDF : 36.4/56

All: -2.018 ± 2.019 χ^2/NDF : 111.4/114

- sign -4.293 ± 2.868 χ^2/NDF : 73.7/57

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.053 $\pm$ 0.003 χ^2 /NDF: 61294.0/31

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.147 $\pm$ 0.003 χ^2 /NDF: 74462.2/34

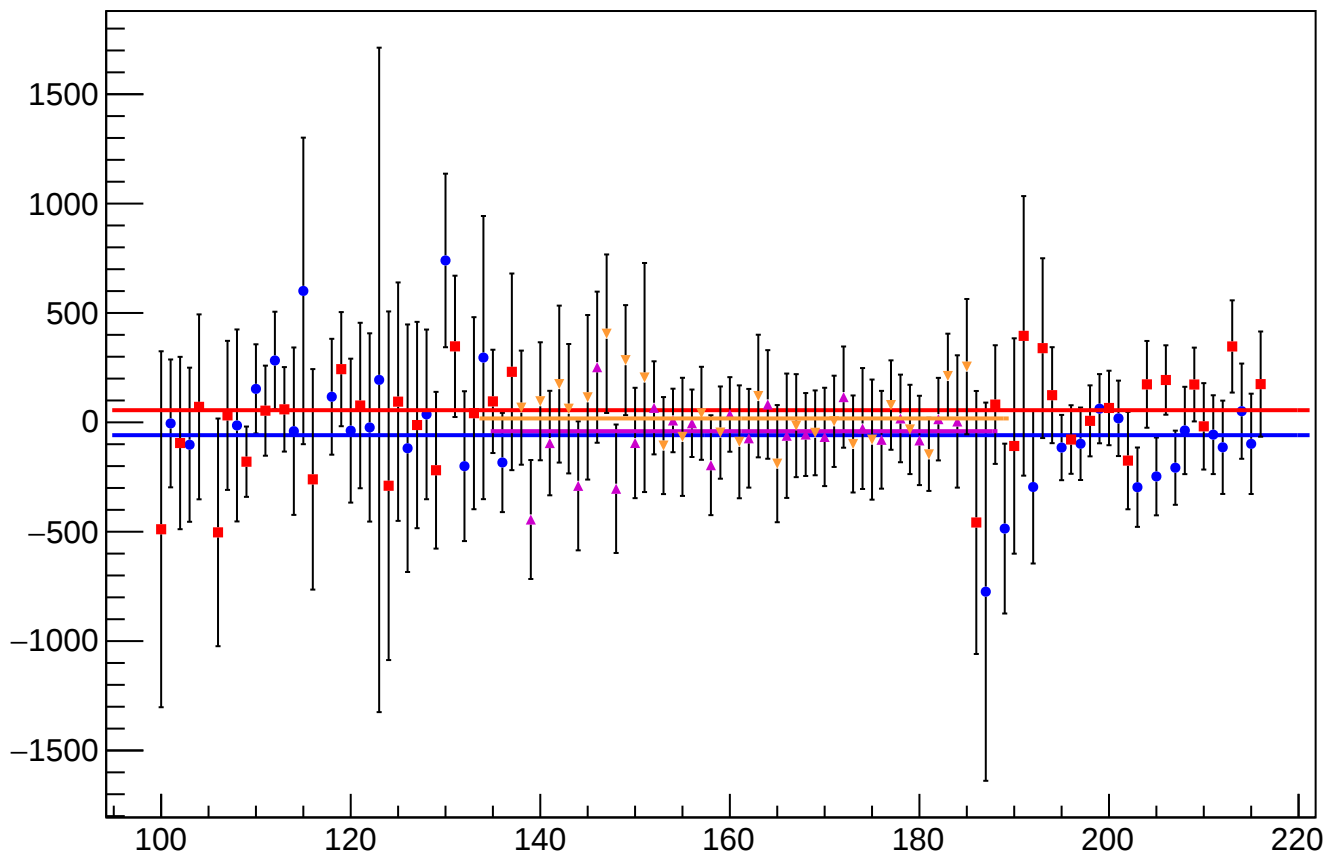
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 16.988 $\pm$ 0.002 χ^2 /NDF: 200799.7/56

All: 16.999 $\pm$ 0.001 χ^2 /NDF: 397943.0/114

- sign 17.010 $\pm$ 0.002 χ^2 /NDF: 197085.4/57

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -58.675 ± 43.045 χ^2/NDF : 17.1/31

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 55.552 ± 42.867 χ^2/NDF : 14.1/34

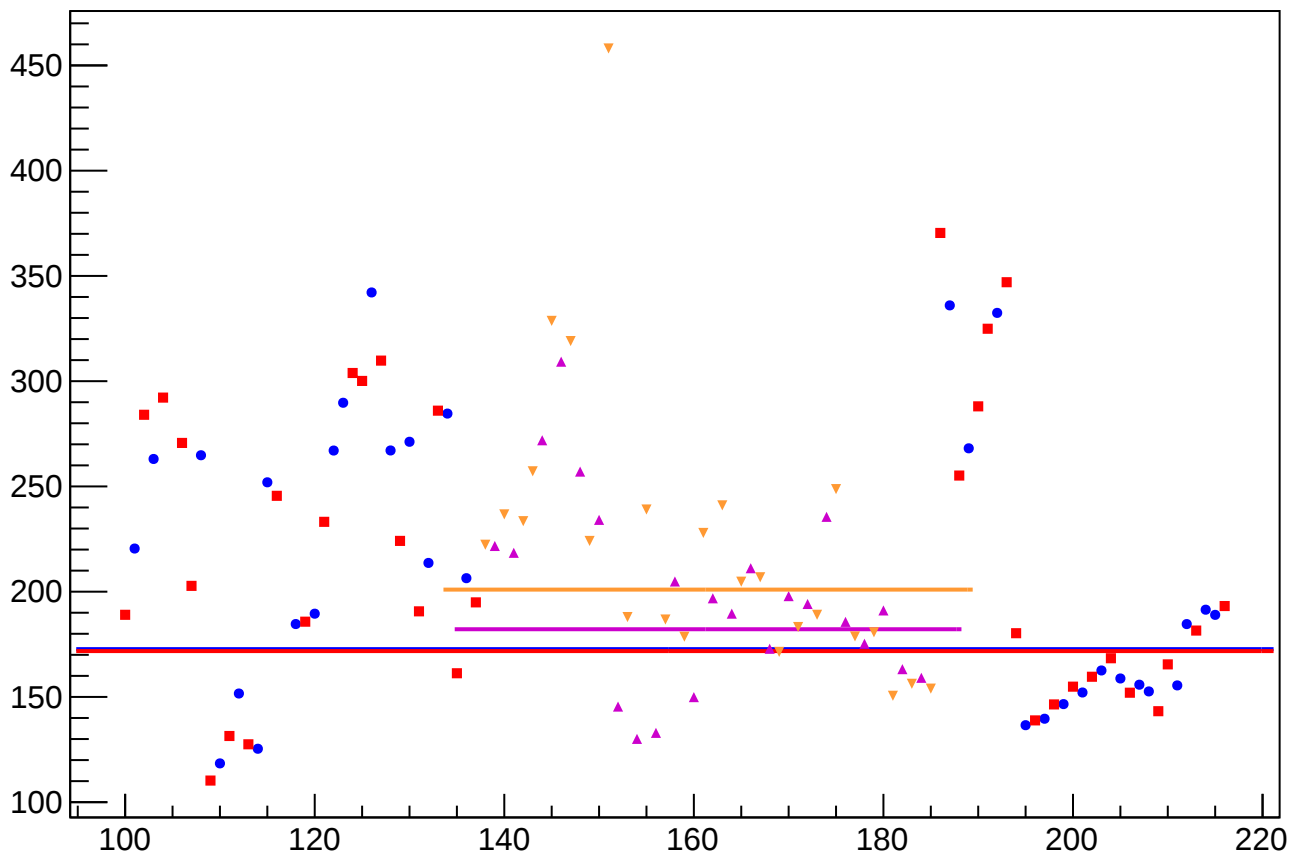
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign -25.003 ± 32.208 χ^2/NDF : 25.9/56

All: -6.644 ± 22.432 χ^2/NDF : 49.6/114

- sign 10.651 ± 31.262 χ^2/NDF : 23.1/57

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 172.708 $\pm$ 0.030 χ^2 /NDF: 2157173.1/31

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF: 1727291.4/24

Right Out: 171.781 $\pm$ 0.030 χ^2 /NDF: 2796100.4/34

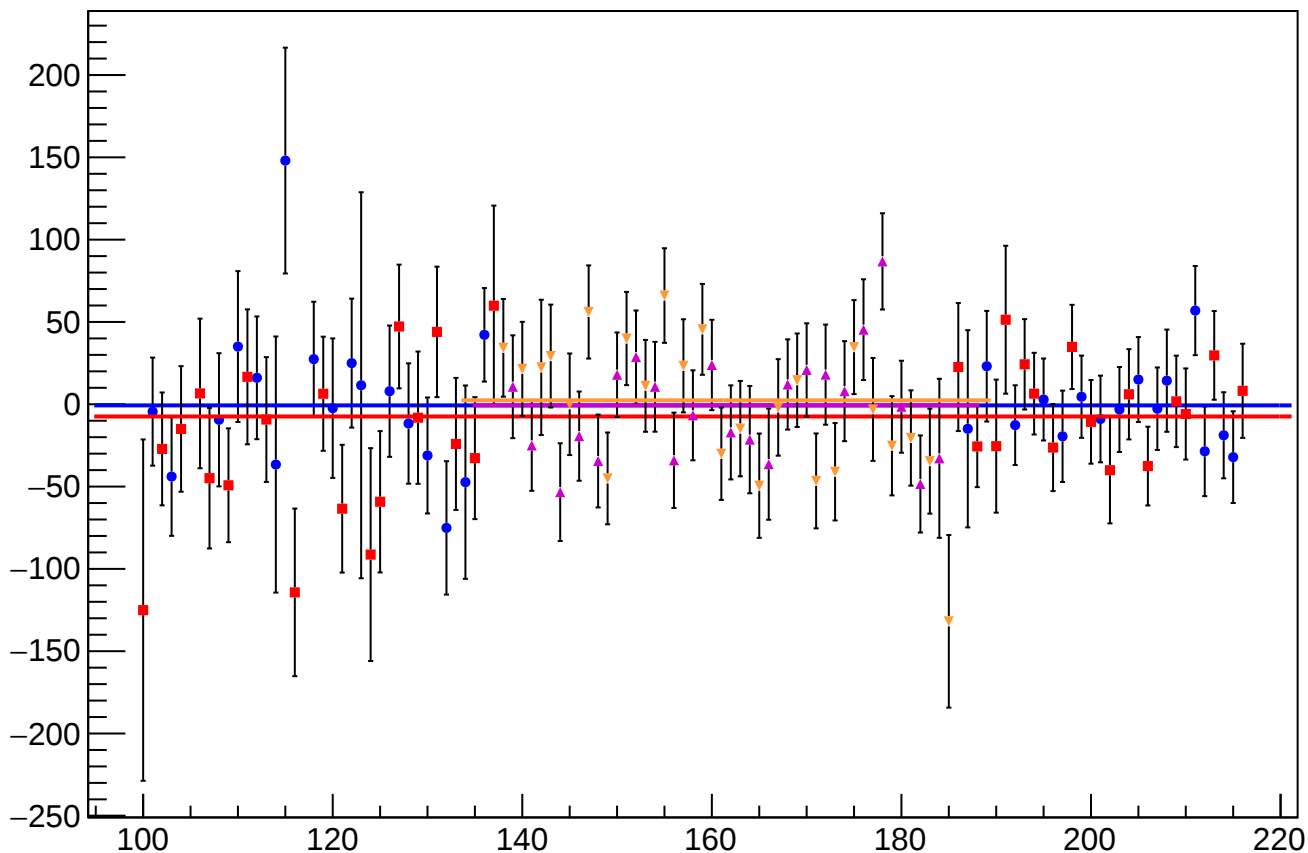
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF: 1535922.8/22

+ sign 185.154 $\pm$ 0.023 χ^2 /NDF: 4264351.1/56

All: 180.770 $\pm$ 0.016 χ^2 /NDF: 8723210.4/114

- sign 176.639 $\pm$ 0.022 χ^2 /NDF: 4386890.0/57

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.684 ± 5.751 χ^2/NDF : 24.9/31

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -7.414 ± 5.666 χ^2/NDF : 32.9/34

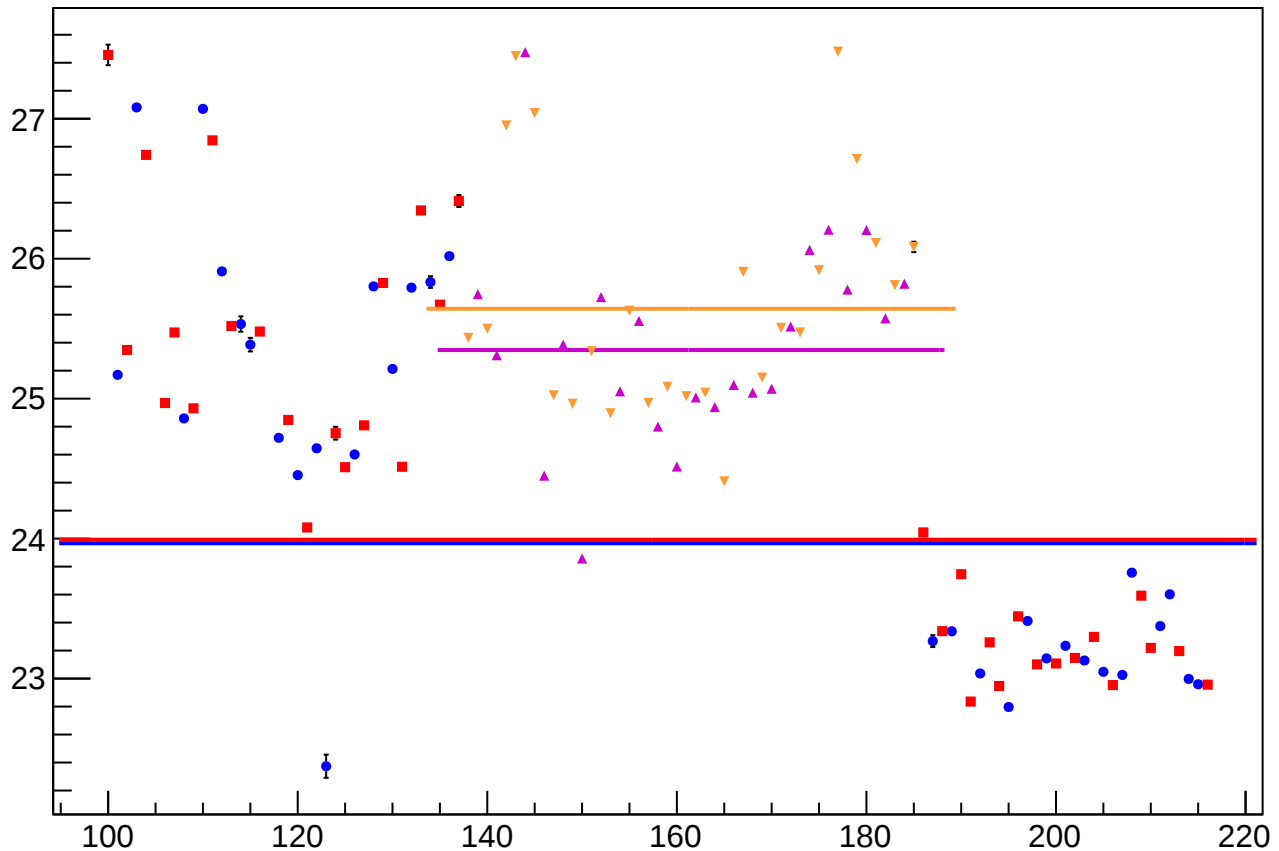
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 0.793 ± 4.145 χ^2/NDF : 64.1/56

All: -1.737 ± 2.932 χ^2/NDF : 125.7/114

- sign -4.272 ± 4.149 χ^2/NDF : 60.9/57

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.967 $\pm$ 0.004 χ^2 /NDF: 88711.2/31

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF: 34802.2/24

Right Out: 23.992 $\pm$ 0.004 χ^2 /NDF: 82865.7/34

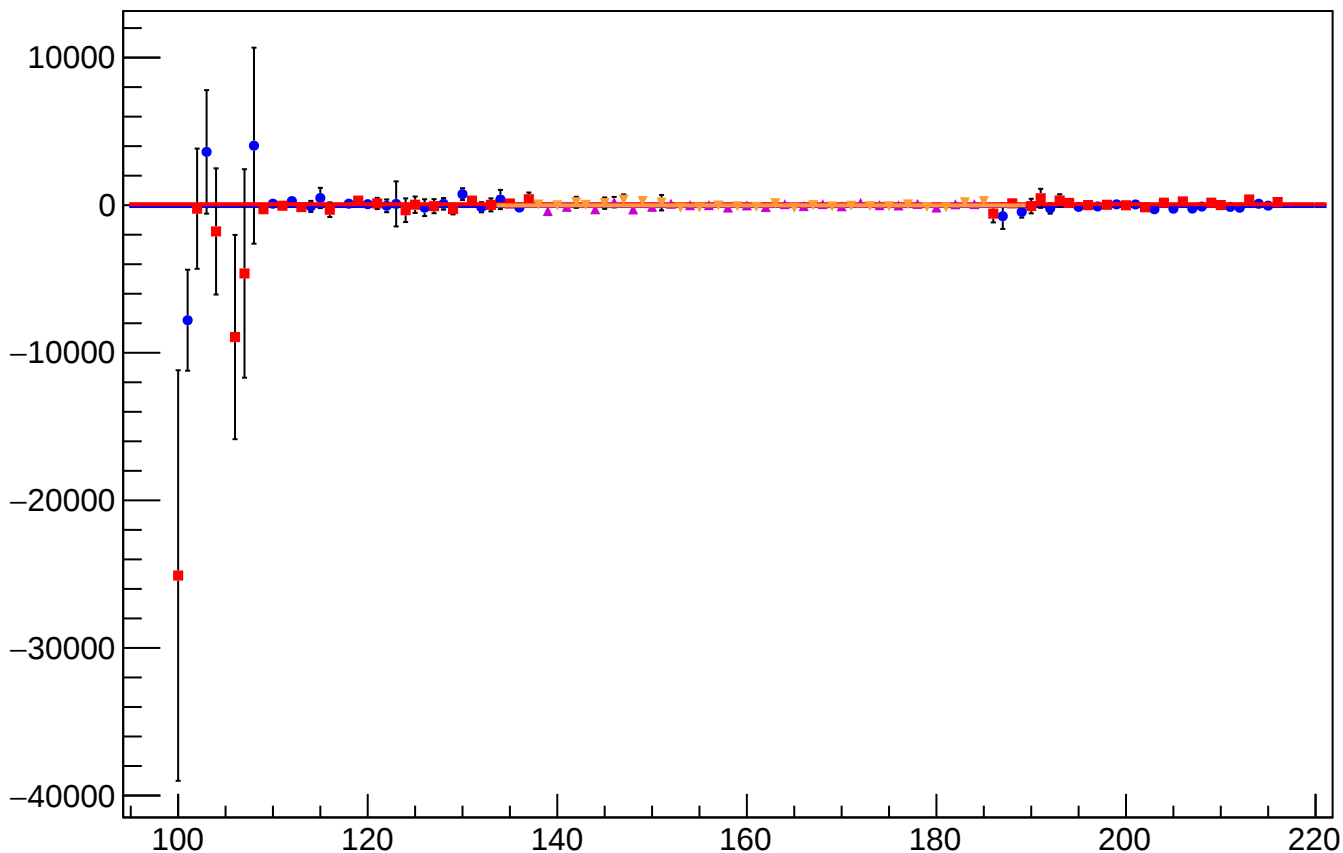
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF: 29389.5/22

+ sign 24.772 $\pm$ 0.003 χ^2 /NDF: 205094.4/56

All: 24.696 $\pm$ 0.002 χ^2 /NDF: 371744.7/114

- sign 24.621 $\pm$ 0.003 χ^2 /NDF: 165326.1/57

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -57.860 ± 44.922 χ^2/NDF : 22.3/31

Left Out: -11.432 ± 48.263 χ^2/NDF : 8.0/24

Right Out: 67.447 ± 45.388 χ^2/NDF : 21.0/34

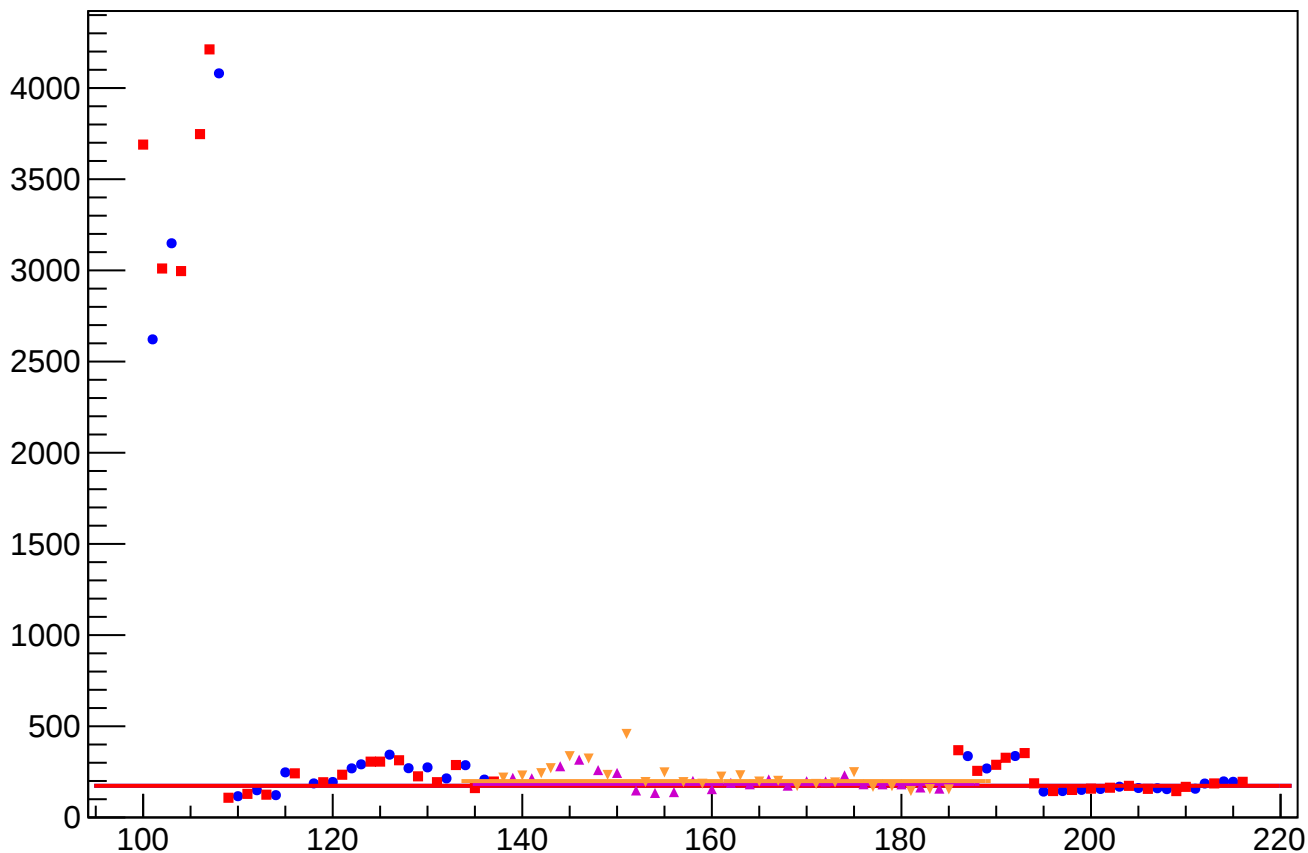
Left In: -27.098 ± 45.999 χ^2/NDF : 7.2/22

+ sign -36.308 ± 32.882 χ^2/NDF : 30.8/56

All: -7.248 ± 23.046 χ^2/NDF : 62.6/114

- sign 20.806 ± 32.308 χ^2/NDF : 30.3/57

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.605 $\pm$ 0.032 χ^2 /NDF: 4569533.0/31

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF:1877848.7/24

Right Out: 173.508 $\pm$ 0.032 χ^2 /NDF: 5418993.3/34

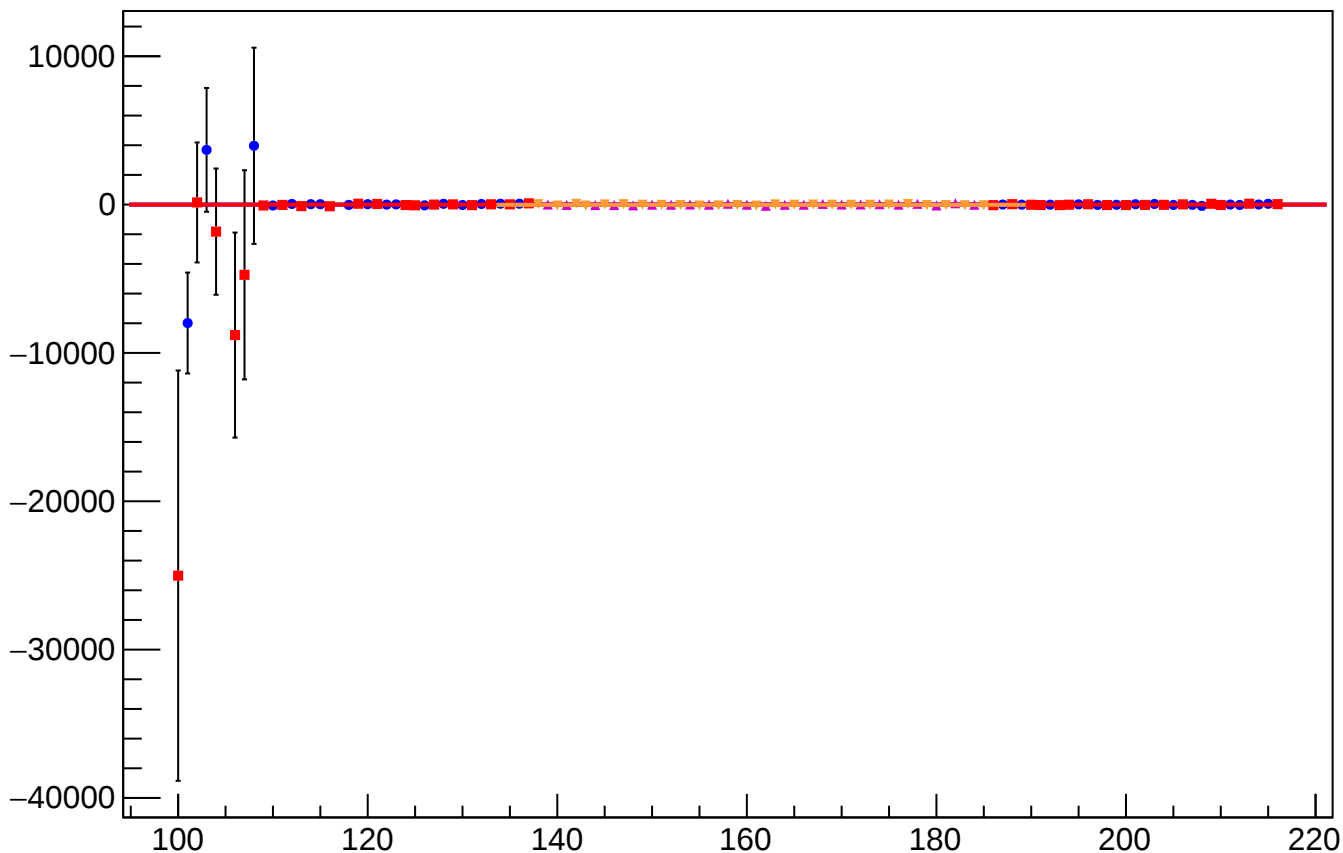
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF:1412869.6/22

+ sign 185.597 $\pm$ 0.023 χ^2 /NDF: 6754401.4/56

All: 182.030 $\pm$ 0.016 χ^2 /NDF: 13683275.2/13

- sign 178.588 $\pm$ 0.023 χ^2 /NDF: 6882642.6/57

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.890 ± 6.899 χ^2/NDF : 32.5/31

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -4.058 ± 6.882 χ^2/NDF : 39.2/34

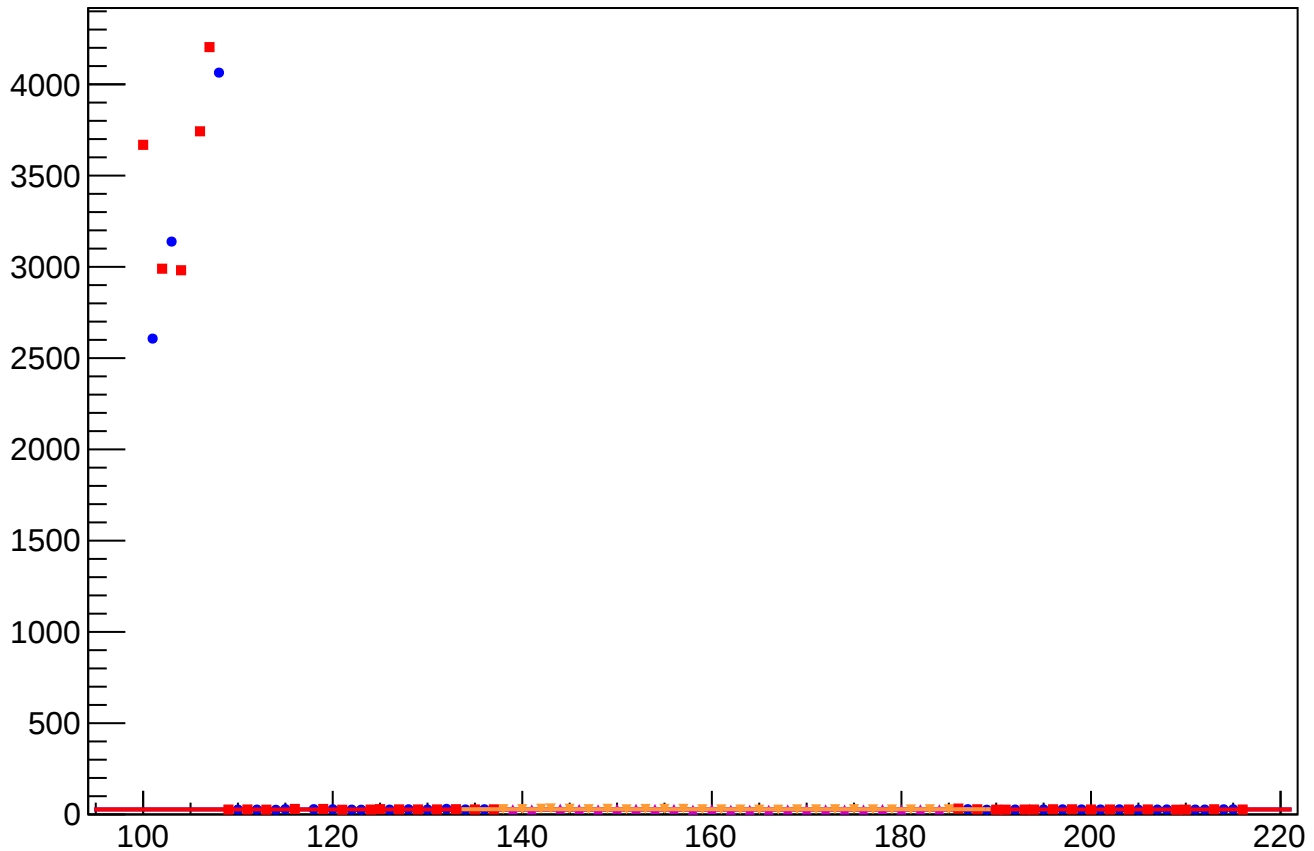
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -8.887 ± 4.808 χ^2/NDF : 58.1/56

All: -5.821 ± 3.423 χ^2/NDF : 130.3/114

- sign -2.668 ± 4.876 χ^2/NDF : 71.3/57

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.495 $\pm$ 0.005 χ^2 /NDF: 3043732.5/31

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.446 $\pm$ 0.005 χ^2 /NDF: 3514393.3/34

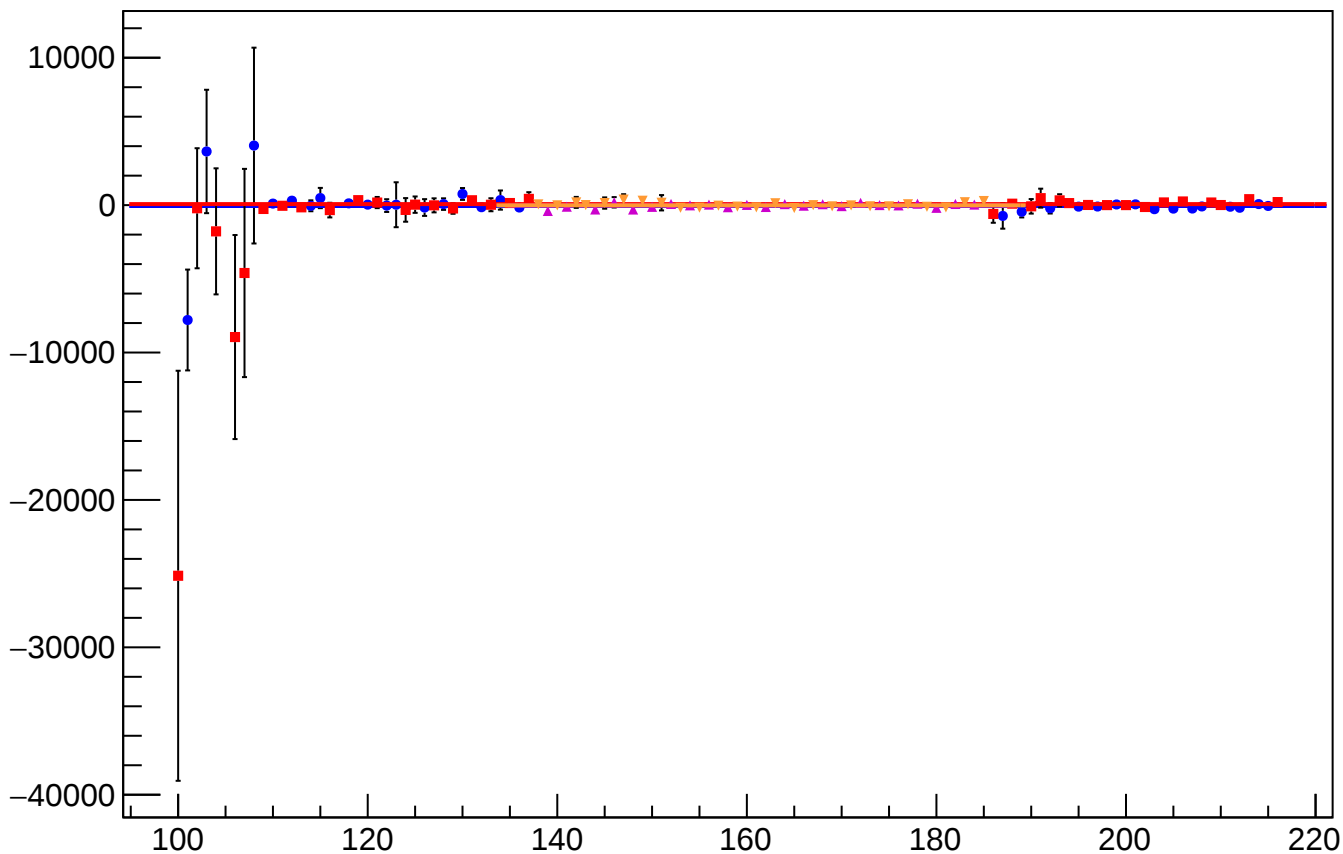
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.112 $\pm$ 0.003 χ^2 /NDF: 3185232.6/56

All: 28.086 $\pm$ 0.002 χ^2 /NDF: 6855433.9/114

- sign 28.059 $\pm$ 0.003 χ^2 /NDF: 3670082.3/57

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -58.576 ± 44.786 χ^2/NDF : 22.5/31

Left Out: -13.878 ± 48.155 χ^2/NDF : 8.8/24

Right Out: 69.682 ± 45.256 χ^2/NDF : 21.9/34

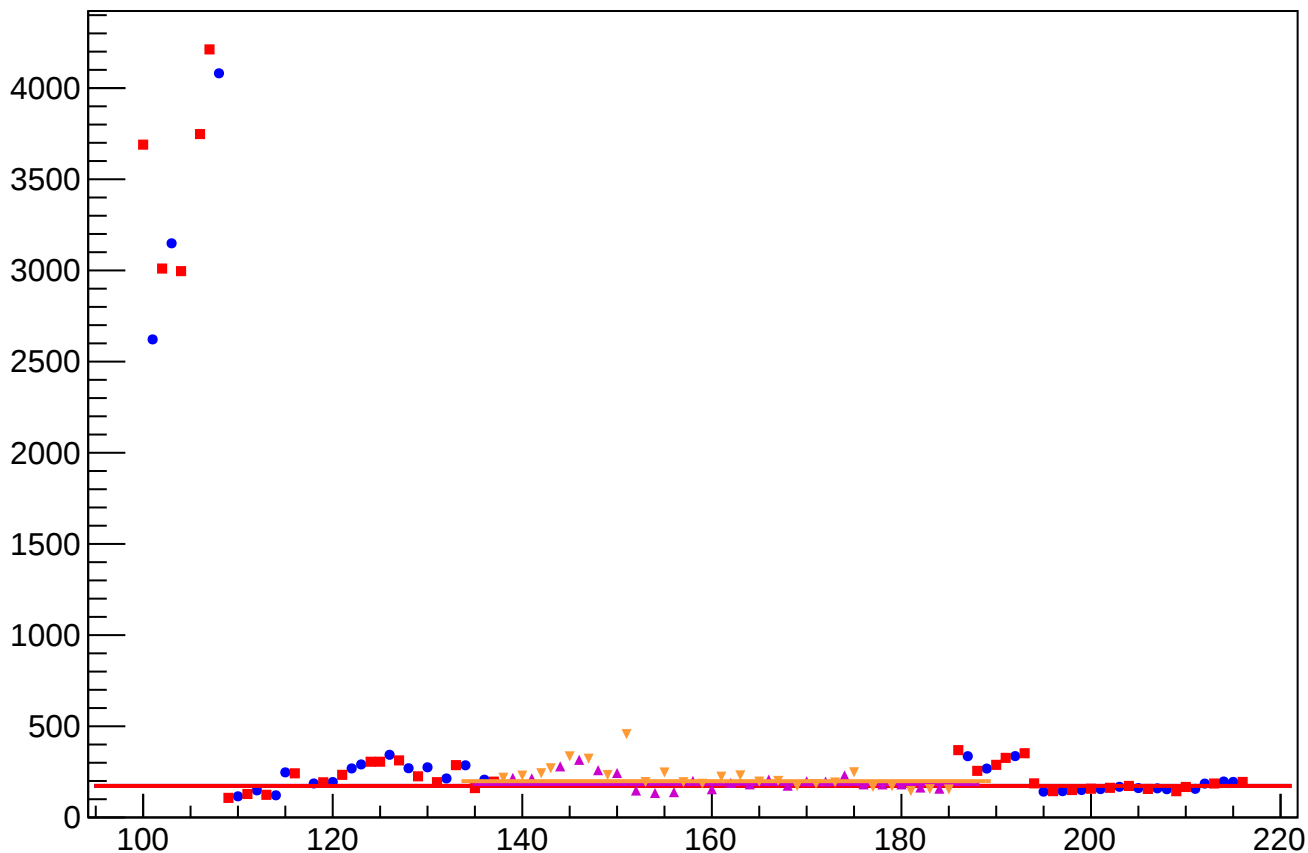
Left In: -27.286 ± 45.907 χ^2/NDF : 7.5/22

+ sign -37.845 ± 32.795 χ^2/NDF : 31.8/56

All: -7.457 ± 22.987 χ^2/NDF : 65.0/114

- sign 21.890 ± 32.229 χ^2/NDF : 31.6/57

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.039 $\pm$ 0.032 χ^2 /NDF: 4583041.6/31

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 172.953 $\pm$ 0.032 χ^2 /NDF: 5436744.3/34

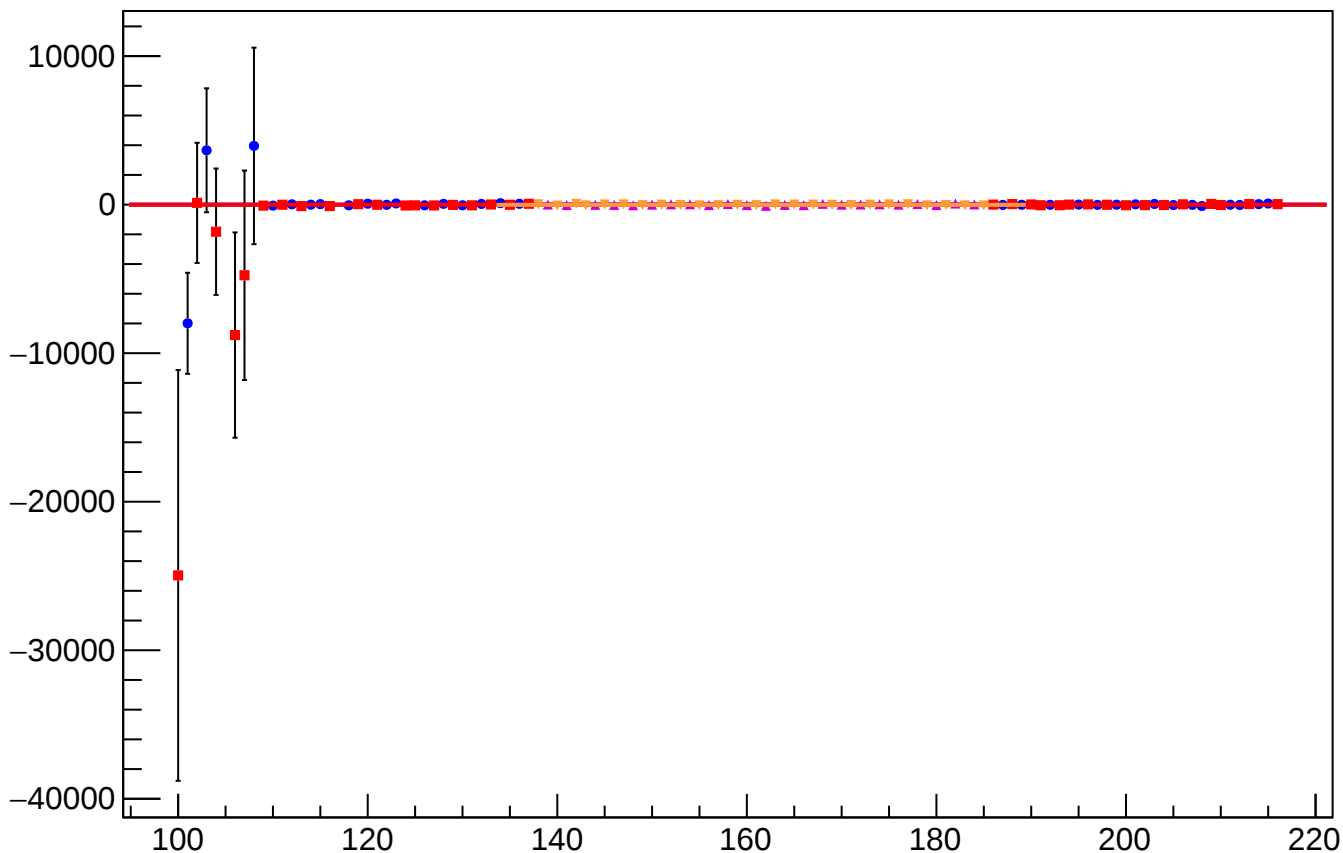
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 185.078 $\pm$ 0.023 χ^2 /NDF: 6772277.2/56

All: 181.540 $\pm$ 0.016 χ^2 /NDF: 13720074.0/13

- sign 178.122 $\pm$ 0.023 χ^2 /NDF: 6902031.0/57

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 1.641 ± 6.863 χ^2/NDF : 40.7/31

Left Out: -15.829 ± 6.733 χ^2/NDF : 16.5/24

Right Out: -7.244 ± 6.856 χ^2/NDF : 34.3/34

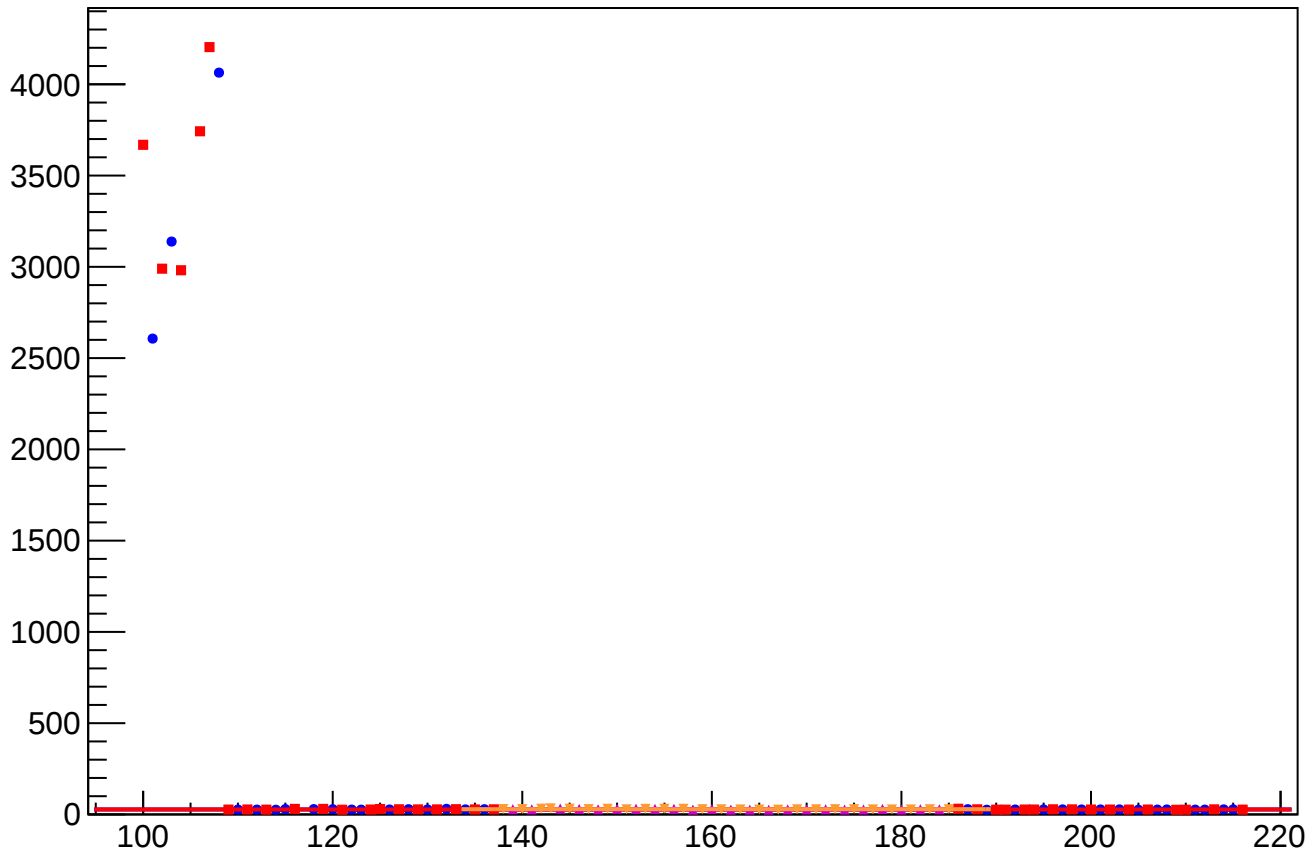
Left In: 0.498 ± 6.937 χ^2/NDF : 26.1/22

+ sign -7.260 ± 4.806 χ^2/NDF : 60.5/56

All: -5.367 ± 3.423 χ^2/NDF : 121.9/114

- sign -3.418 ± 4.876 χ^2/NDF : 61.1/57

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.345 $\pm$ 0.005 χ^2 /NDF: 3050708.0/31

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.337 $\pm$ 0.005 χ^2 /NDF: 3519202.2/34

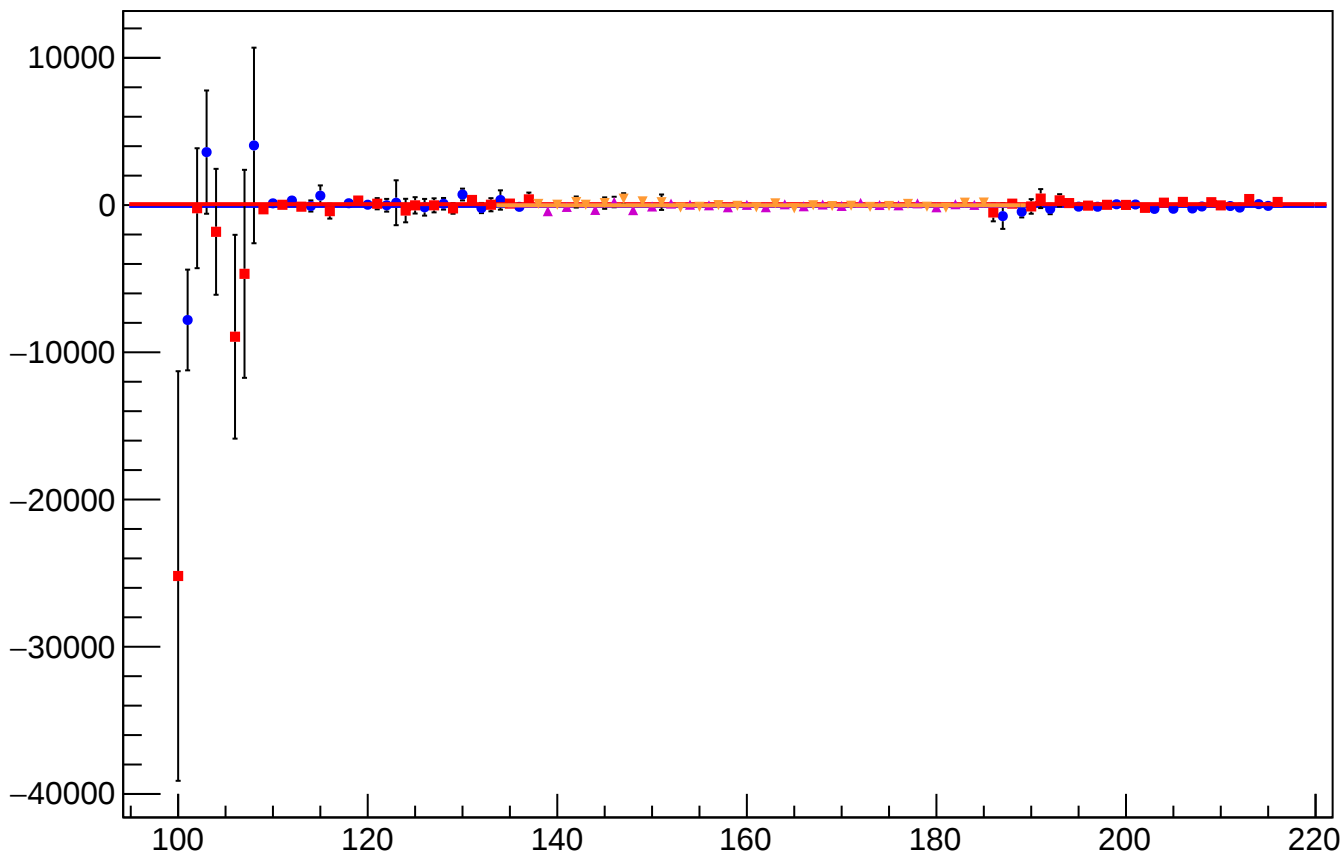
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.094 $\pm$ 0.003 χ^2 /NDF: 3219585.5/56

All: 28.076 $\pm$ 0.002 χ^2 /NDF: 6911970.7/114

- sign 28.058 $\pm$ 0.003 χ^2 /NDF: 3692332.7/57

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -57.524 $\pm$ 45.078 χ^2 /NDF: 22.6/31

Left Out: -13.966 $\pm$ 48.735 χ^2 /NDF: 8.1/24

Right Out: 62.718 $\pm$ 45.581 χ^2 /NDF: 21.4/34

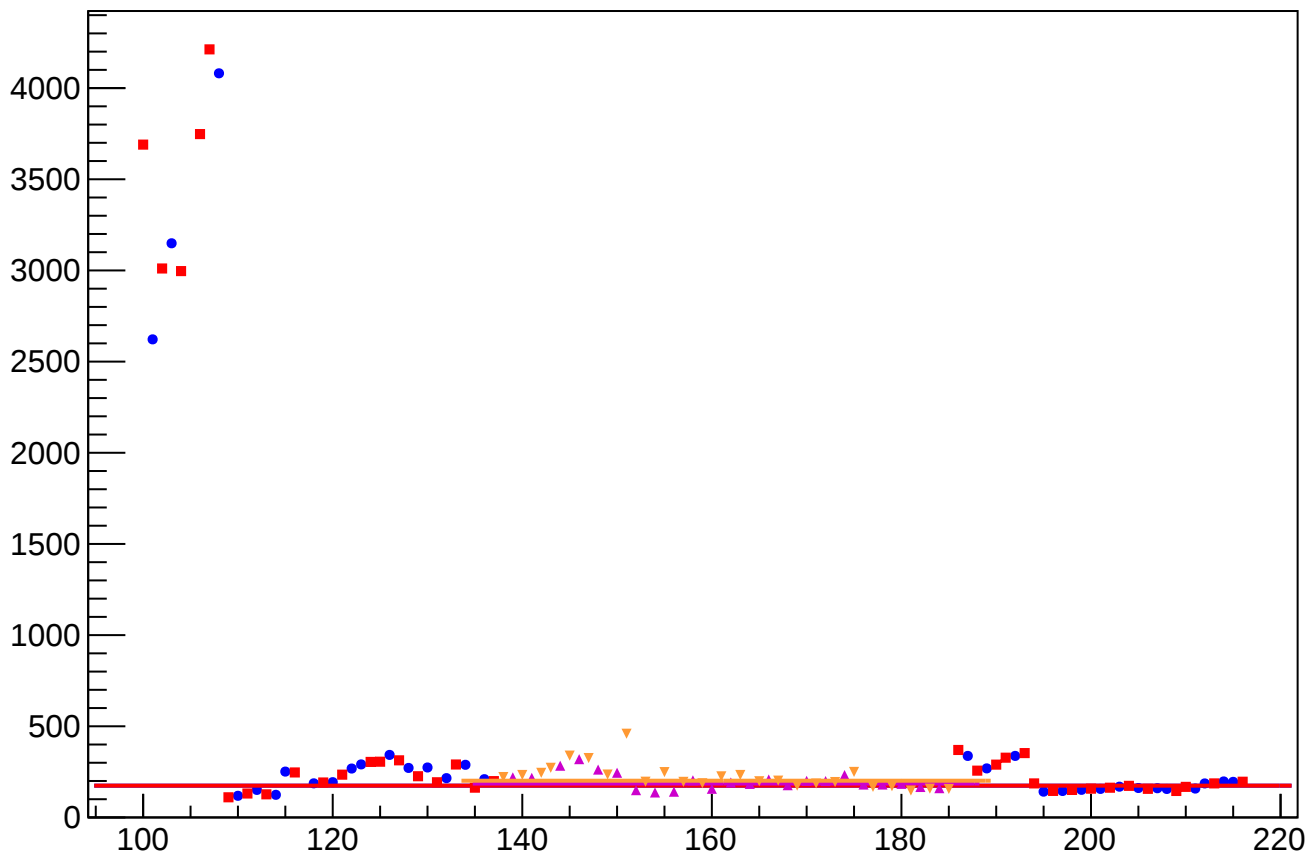
Left In: -31.477 $\pm$ 46.483 χ^2 /NDF: 7.8/22

+ sign -37.440 $\pm$ 33.093 χ^2 /NDF: 31.1/56

All: -9.998 $\pm$ 23.204 χ^2 /NDF: 63.9/114

- sign 16.543 $\pm$ 32.545 χ^2 /NDF: 31.4/57

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 174.268+/-0.032 χ^2/NDF : 4547372.5/31

Left Out: 201.503+/-0.034 χ^2/NDF : 1854905.1/24

Right Out: 174.388+/-0.032 χ^2/NDF : 5376538.8/34

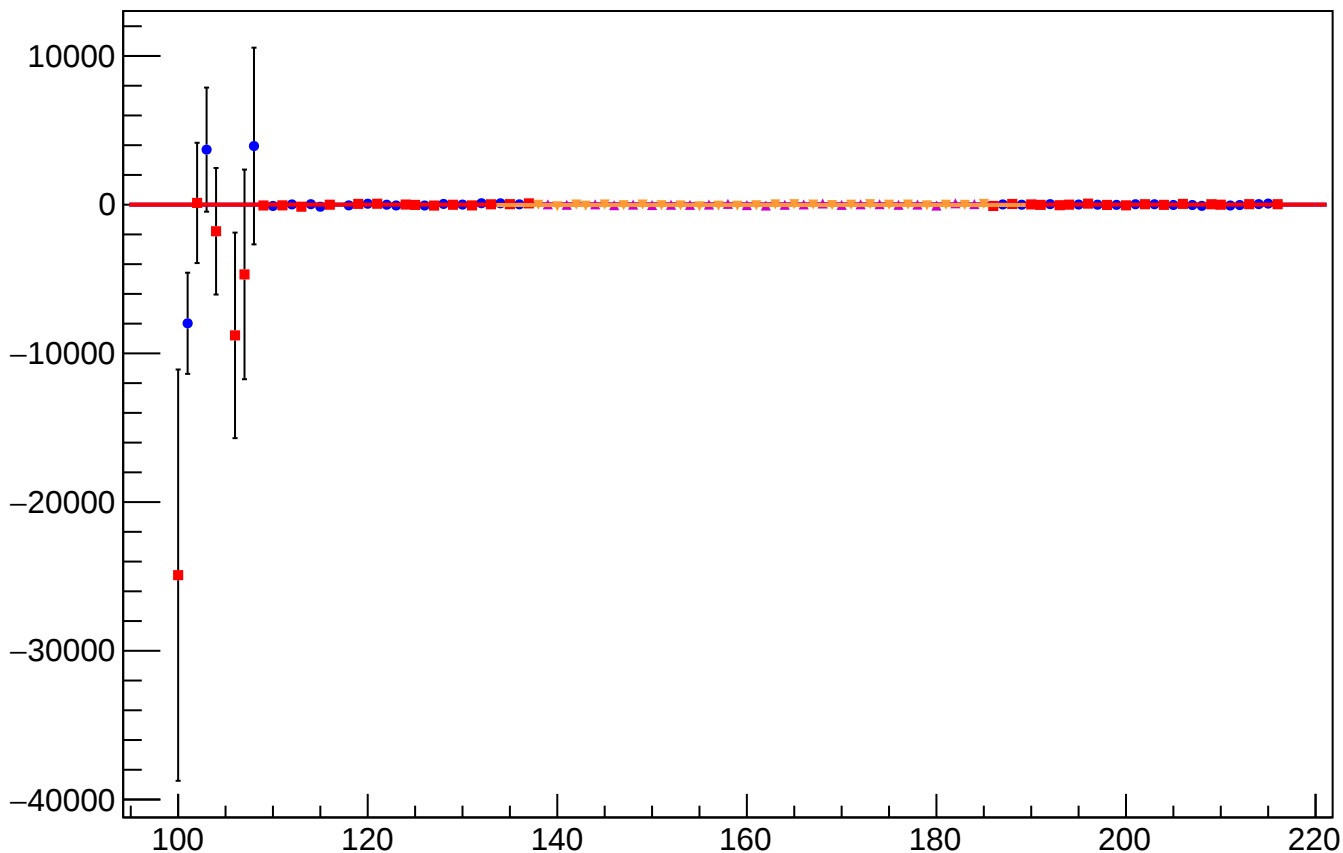
Left In: 185.878+/-0.033 χ^2/NDF : 1380877.6/22

+ sign 186.825+/-0.023 χ^2/NDF : 6738878.0/56

All: 183.366+/-0.016 χ^2/NDF : 13601586.3/11

- sign 180.021+/-0.023 χ^2/NDF : 6819719.6/57

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 2.389 $\pm$ 8.372 χ^2 /NDF: 33.6/31

Left Out: -24.144 $\pm$ 8.076 χ^2 /NDF:24.9/24

Right Out: 3.722 $\pm$ 8.366 χ^2 /NDF: 36.1/34

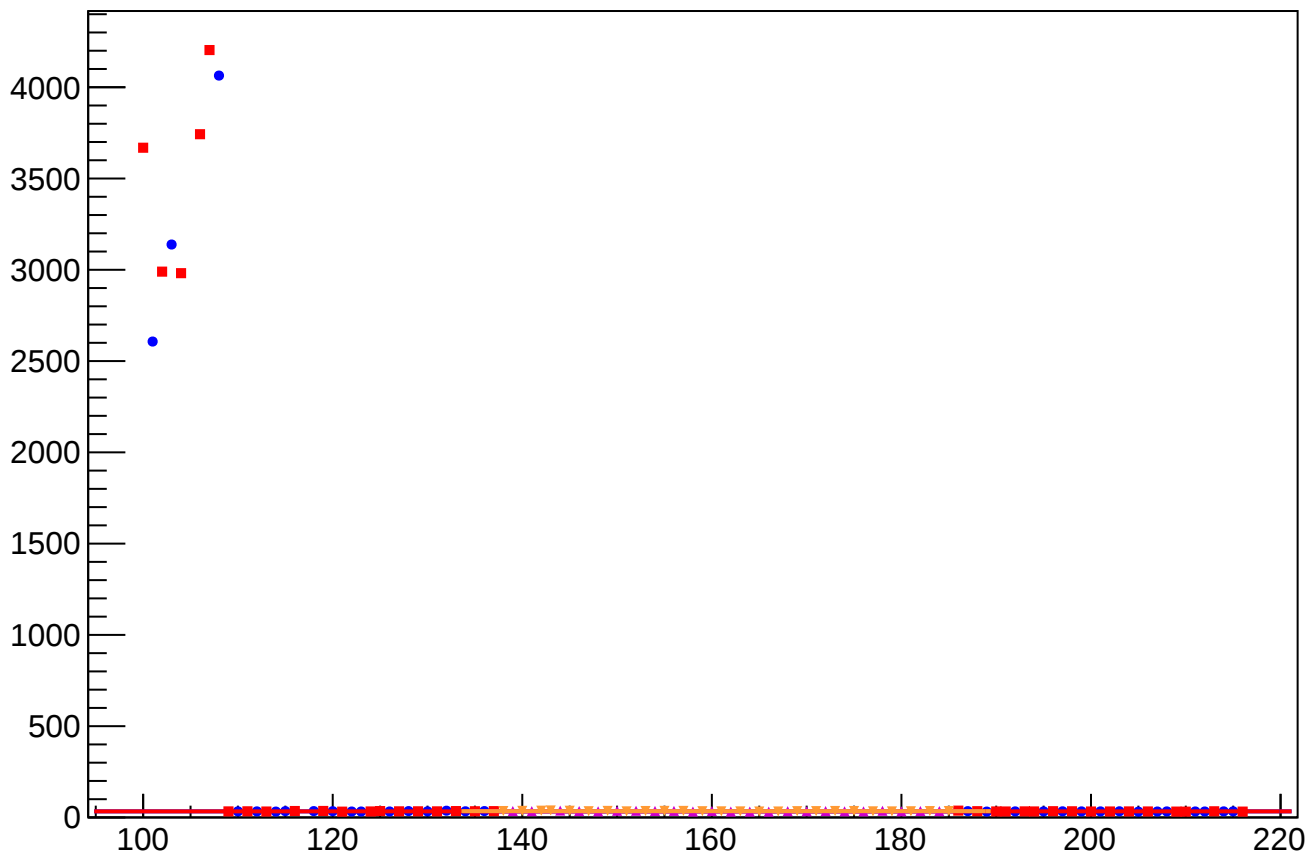
Left In: 5.924 $\pm$ 8.340 χ^2 /NDF:21.0/22

+ sign -11.354 $\pm$ 5.813 χ^2 /NDF: 63.7/56

All: -3.394 $\pm$ 4.143 χ^2 /NDF: 124.7/114

- sign 4.826 $\pm$ 5.907 χ^2 /NDF: 57.2/57

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.381 $\pm$ 0.006 χ^2 /NDF: 3020188.2/31

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.406 $\pm$ 0.006 χ^2 /NDF: 3476486.8/34

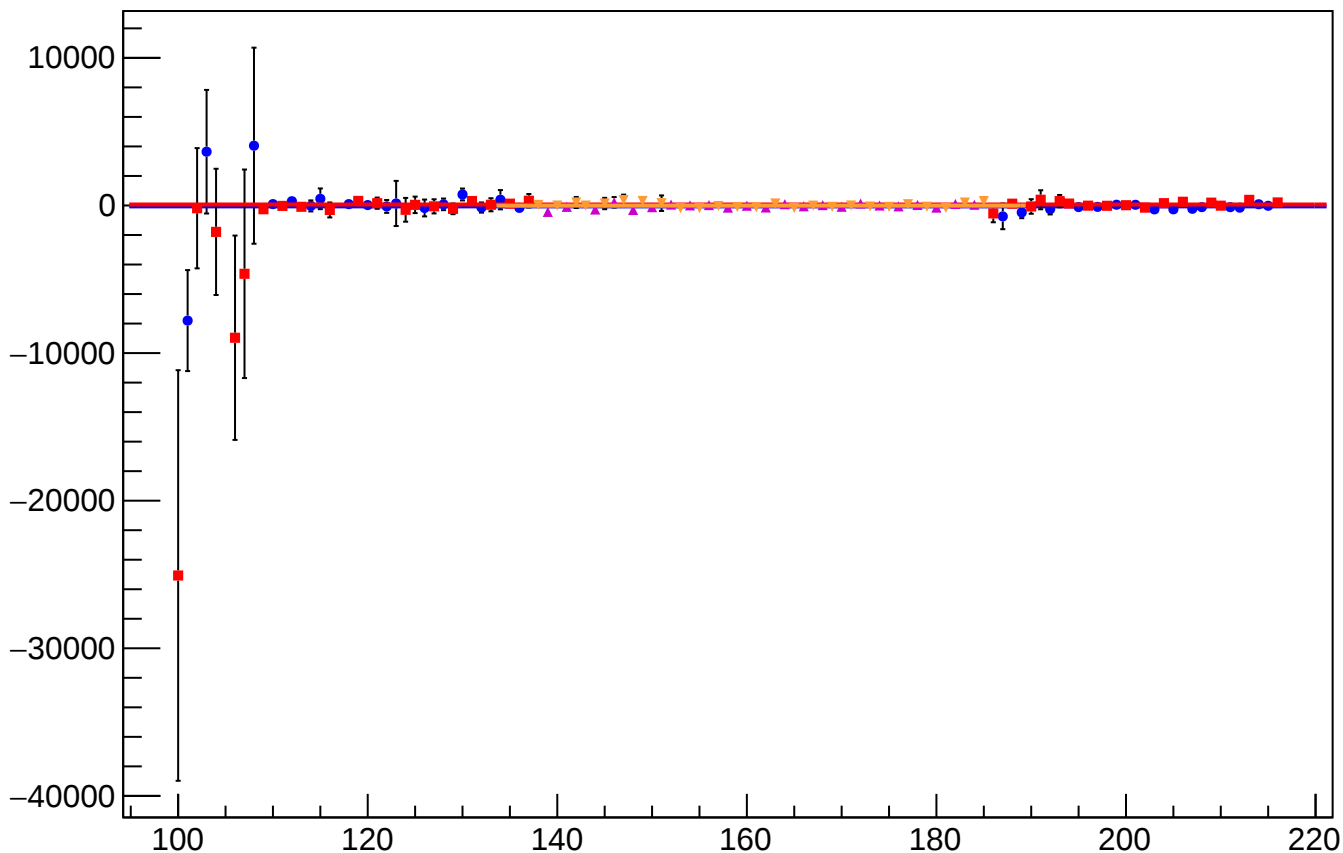
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.021 $\pm$ 0.004 χ^2 /NDF: 3100653.2/56

All: 34.033 $\pm$ 0.003 χ^2 /NDF: 6660319.7/114

- sign 34.046 $\pm$ 0.004 χ^2 /NDF: 3559649.1/57

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -61.018 $\pm$ 44.953 χ^2 /NDF: 22.3/31

Left Out: -7.558 $\pm$ 48.662 χ^2 /NDF: 8.8/24

Right Out: 66.728 $\pm$ 45.415 χ^2 /NDF: 19.8/34

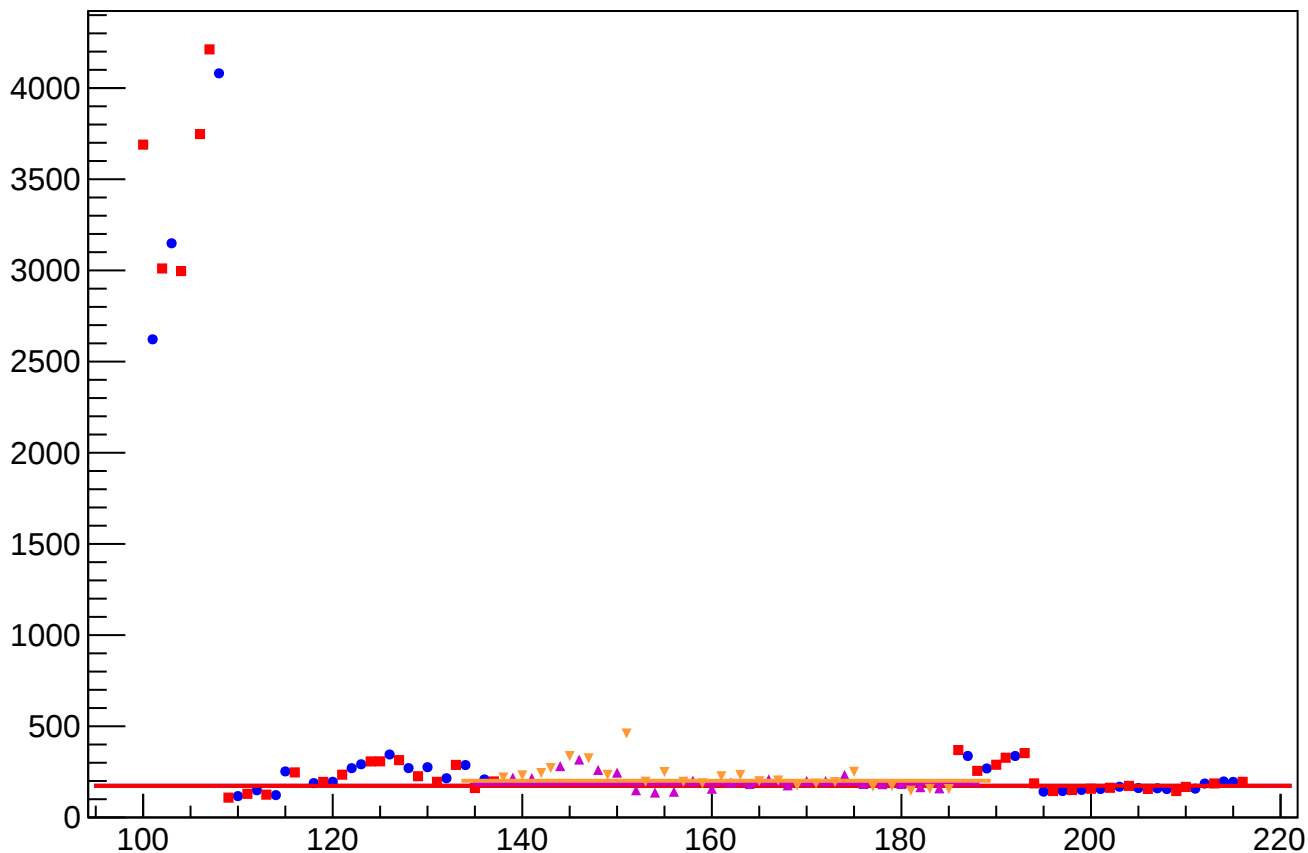
Left In: -34.977 $\pm$ 46.421 χ^2 /NDF: 7.1/22

+ sign -36.403 $\pm$ 33.020 χ^2 /NDF: 31.7/56

All: -9.253 $\pm$ 23.149 χ^2 /NDF: 62.4/114

- sign 16.988 $\pm$ 32.463 χ^2 /NDF: 29.3/57

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 173.703+/-0.032 χ^2/NDF : 4577343.3/31

Left Out: 201.198+/-0.034 χ^2/NDF : 1848437.4/24

Right Out: 173.605+/-0.032 χ^2/NDF : 5425085.3/34

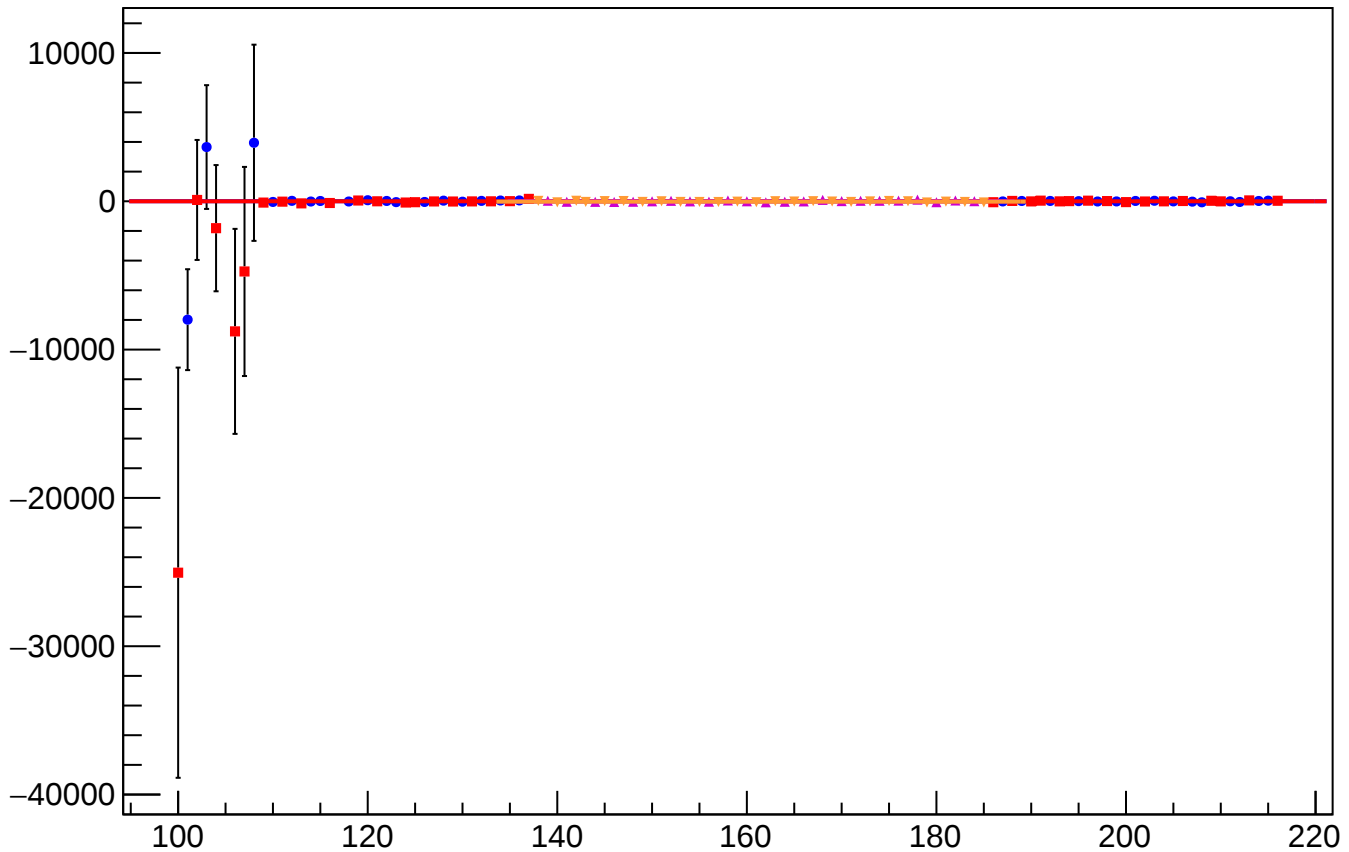
Left In: 185.627+/-0.033 χ^2/NDF : 1371411.2/22

+ sign 186.363+/-0.023 χ^2/NDF : 6770291.3/56

All: 182.865+/-0.016 χ^2/NDF : 13679467.5/13

- sign 179.485+/-0.023 χ^2/NDF : 6865043.1/57

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.627 $\pm$ 7.576 χ^2 /NDF: 25.4/31

Left Out: -23.320 $\pm$ 7.352 χ^2 /NDF:18.3/24

Right Out: -0.610 $\pm$ 7.570 χ^2 /NDF: 42.5/34

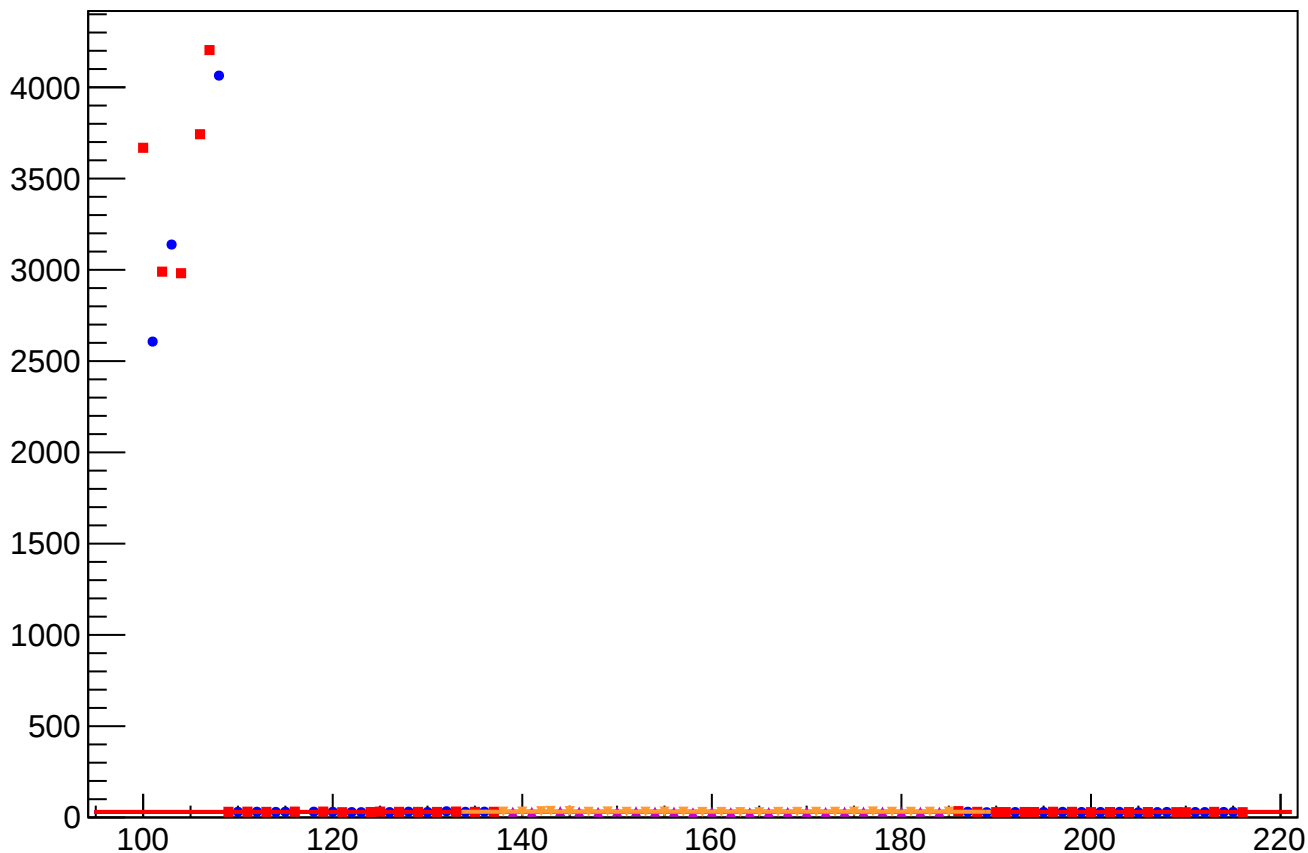
Left In: 6.386 $\pm$ 7.577 χ^2 /NDF:38.7/22

+ sign -9.765 $\pm$ 5.276 χ^2 /NDF: 50.7/56

All: -3.535 $\pm$ 3.758 χ^2 /NDF: 135.2/114

- sign 2.884 $\pm$ 5.355 χ^2 /NDF: 81.6/57

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.196 $\pm$ 0.005 χ^2 /NDF: 3038432.0/31

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.200 $\pm$ 0.005 χ^2 /NDF: 3495643.2/34

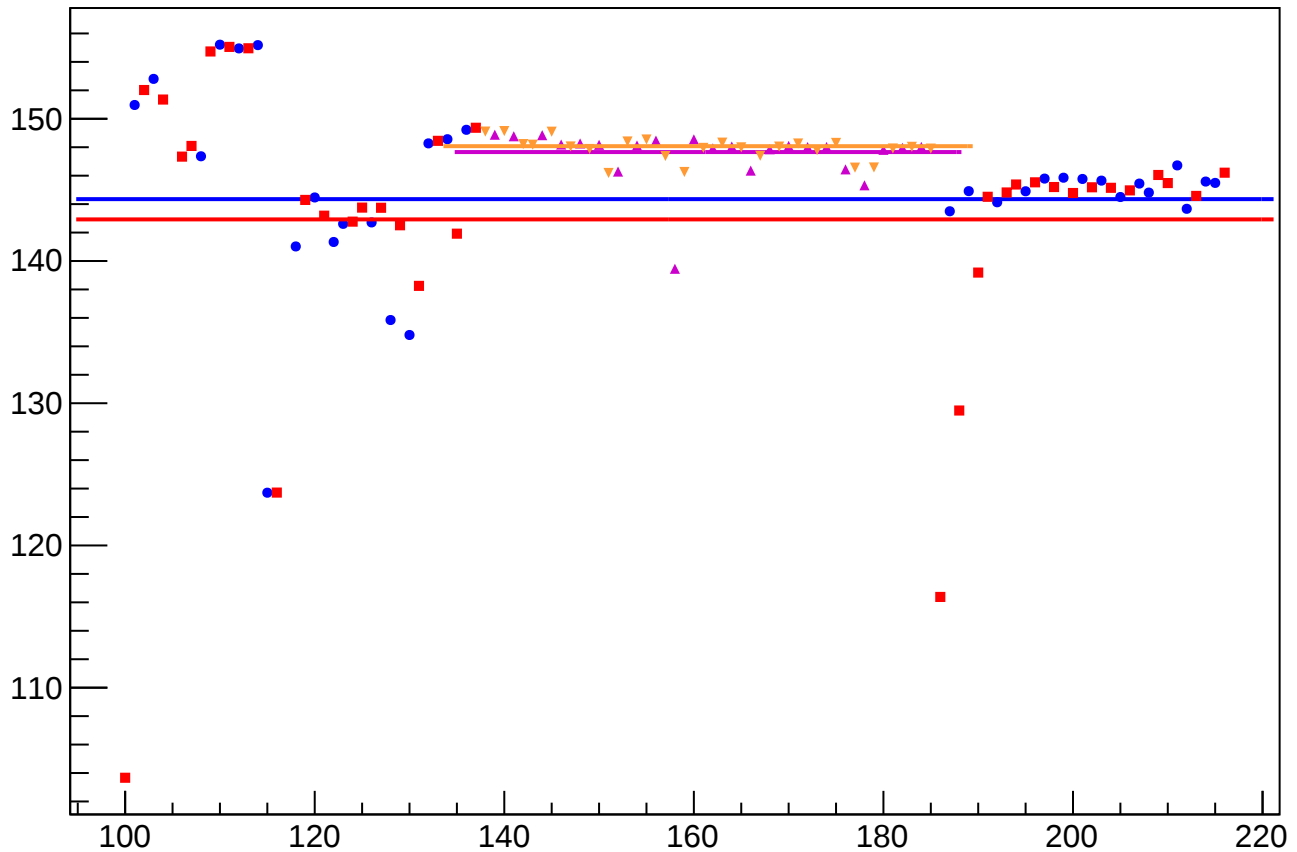
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 30.862 $\pm$ 0.004 χ^2 /NDF: 3150355.6/56

All: 30.850 $\pm$ 0.003 χ^2 /NDF: 6762168.7/114

- sign 30.837 $\pm$ 0.004 χ^2 /NDF: 3611792.2/57

yield_bcm_an_ds_mean vs Slug



Right In: 144.350 $\pm$ 0.000 χ^2 /NDF: 3506504036.5/31

Left Out: 148.074 $\pm$ 0.000 χ^2 /NDF: 65673678.9/24

Right Out: 142.925 $\pm$ 0.000 χ^2 /NDF: 7469687420.9/34

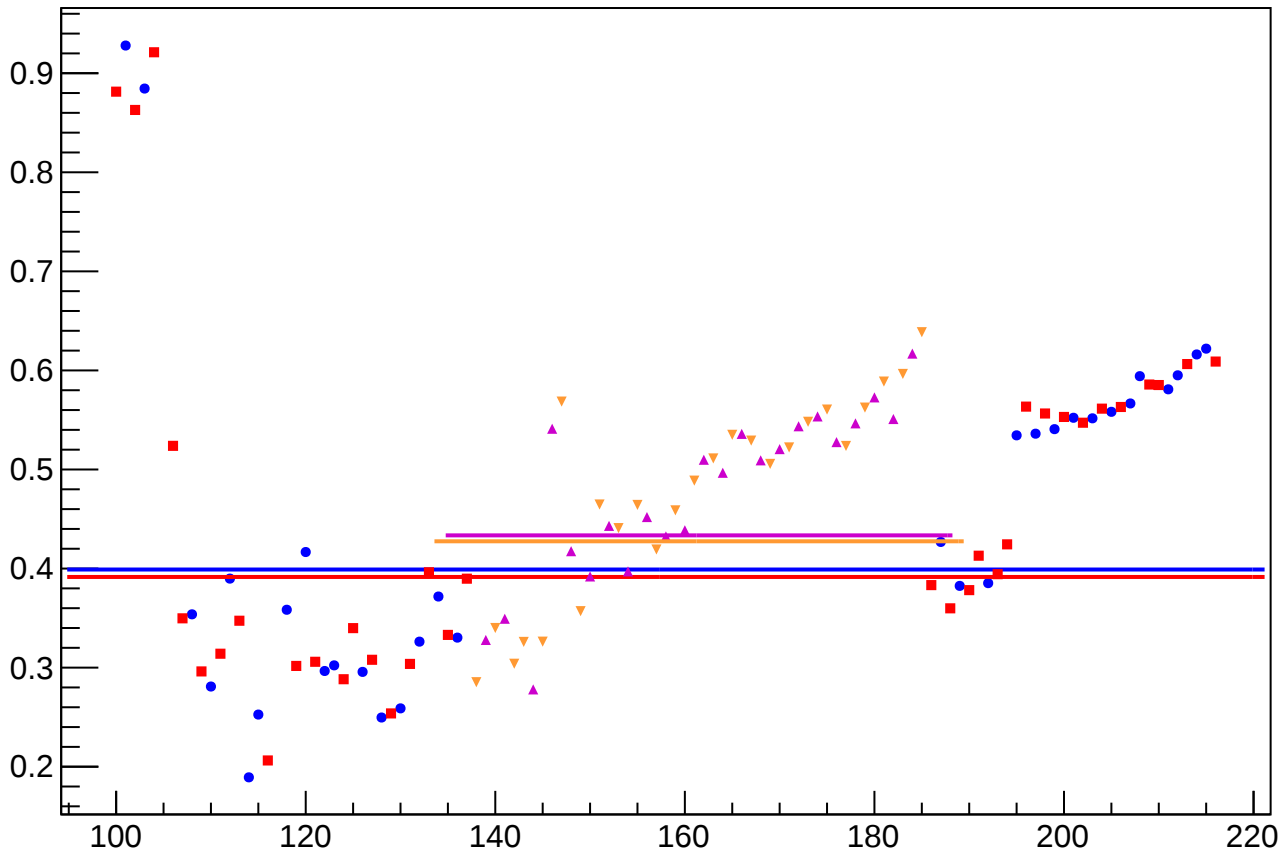
Left In: 147.660 $\pm$ 0.000 χ^2 /NDF: 343892338.9/22

+ sign 146.212 $\pm$ 0.000 χ^2 /NDF: 4214029258.2/56

All: 145.657 $\pm$ 0.000 χ^2 /NDF: 13179862959.

- sign 145.106 $\pm$ 0.000 χ^2 /NDF: 8852090550.5/57

yield_bcm_an_ds_rms vs Slug



Right In: 0.399 ± 0.000 χ^2/NDF : 3606299.3/31

Left Out: 0.428 ± 0.000 χ^2/NDF : 1892802.8/24

Right Out: 0.392 ± 0.000 χ^2/NDF : 3242467.0/34

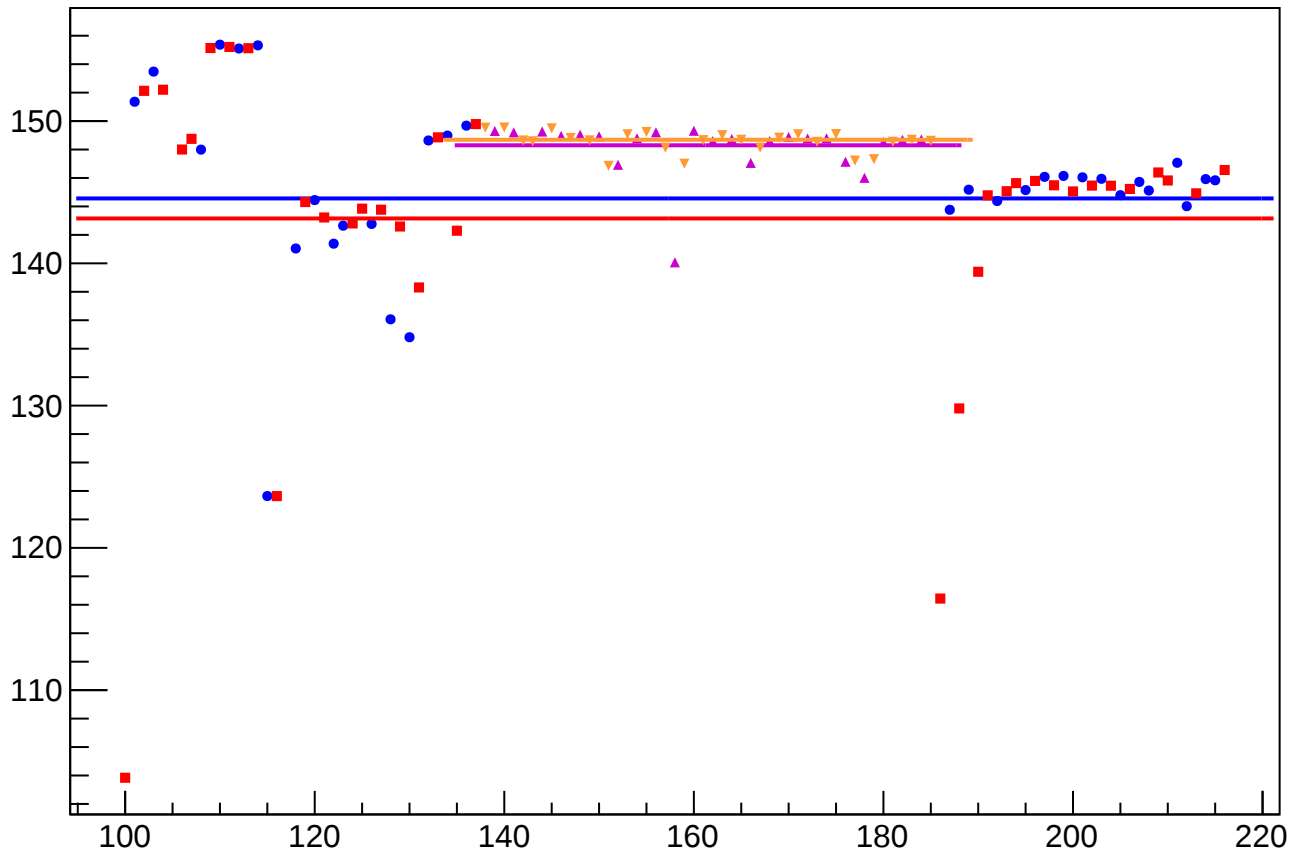
Left In: 0.434 ± 0.000 χ^2/NDF : 1479367.0/22

+ sign 0.413 ± 0.000 χ^2/NDF : 5574212.3/56

All: 0.412 ± 0.000 χ^2/NDF : 10460440.2/114

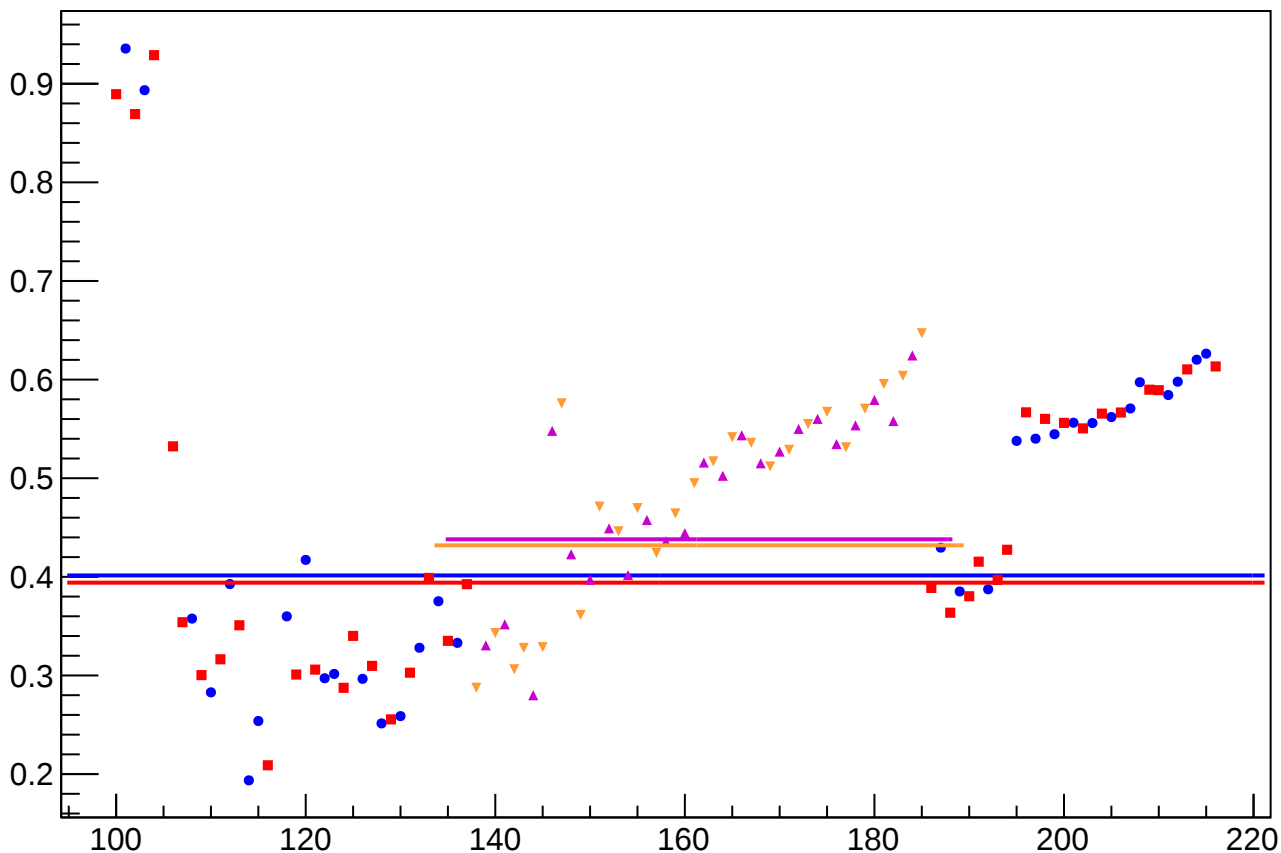
- sign 0.411 ± 0.000 χ^2/NDF : 4885136.6/57

yield_bcm_an_ds3_mean vs Slug



Right In: 144.562 $\pm$ 0.000	χ^2 /NDF: 3557559837.3/31	+ sign 146.616 $\pm$ 0.000	χ^2 /NDF: 4384347372.3/56
Left Out: 148.687 $\pm$ 0.000	χ^2 /NDF: 52285197.5/24	All: 146.062 $\pm$ 0.000	χ^2 /NDF: 13454055552.
Right Out: 143.155 $\pm$ 0.000	χ^2 /NDF: 7422512603.5/34	- sign 145.513 $\pm$ 0.000	χ^2 /NDF: 8958597118.9/57
Left In: 148.298 $\pm$ 0.000	χ^2 /NDF: 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.401 $\pm$ 0.000 χ^2 /NDF: 3614160.9/31

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.394 $\pm$ 0.000 χ^2 /NDF: 3246904.9/34

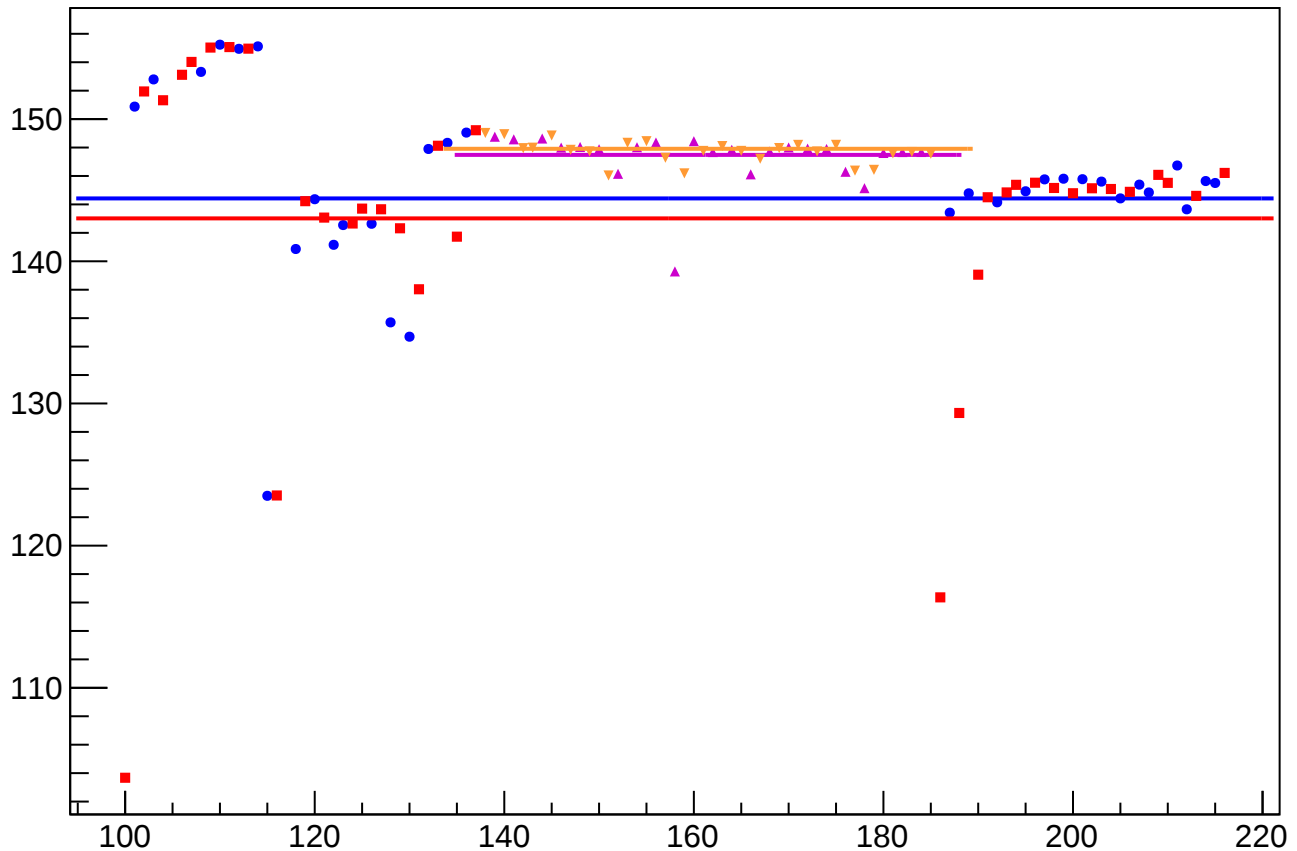
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5623802.1/56

All: 0.415 $\pm$ 0.000 χ^2 /NDF: 10552008.7/114

- sign 0.414 $\pm$ 0.000 χ^2 /NDF: 4927207.4/57

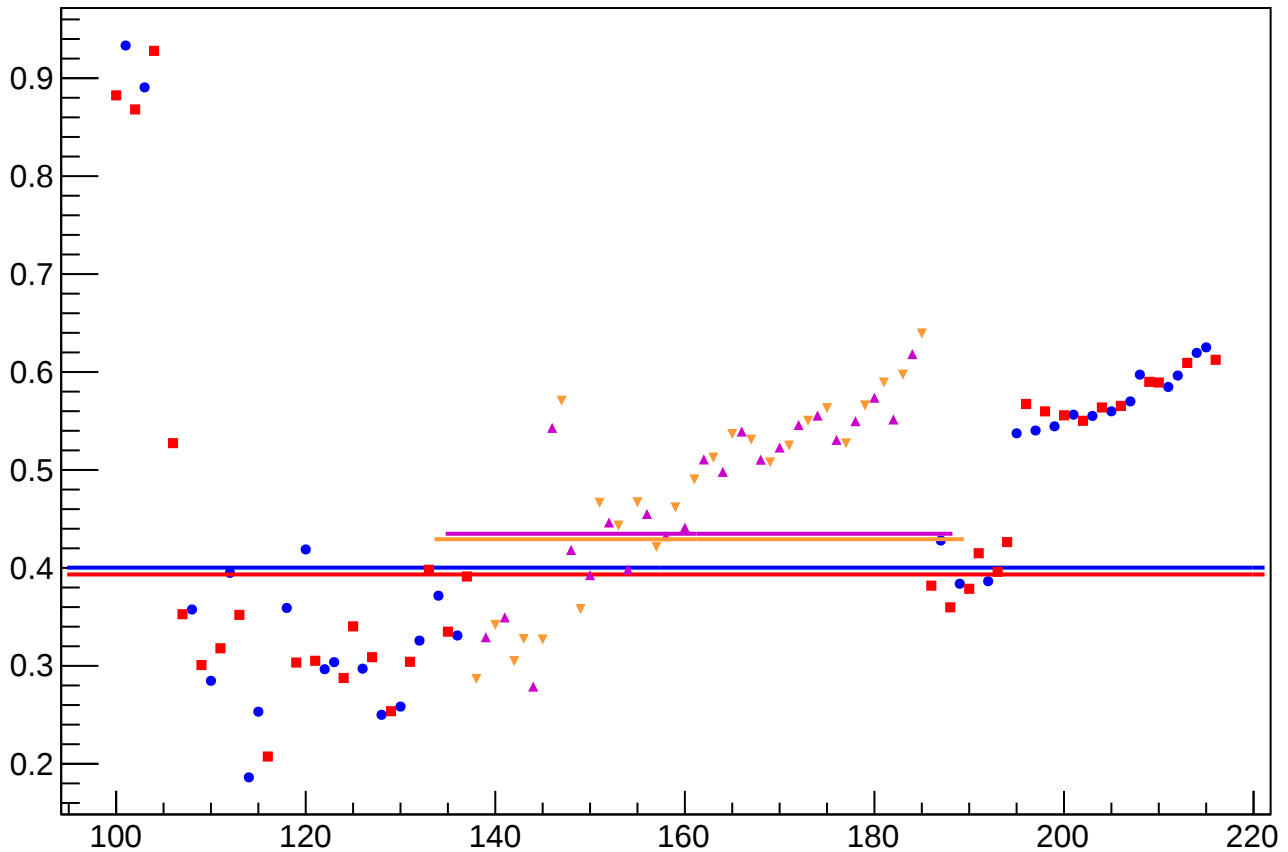
yield_bcm_an_us_mean vs Slug



Right In: 144.421 ± 0.000 χ^2/NDF : 3711560857.3/31
 Left Out: 147.912 ± 0.000 χ^2/NDF : 64463426.1/24
 Right Out: 143.017 ± 0.000 χ^2/NDF : 7842990005.3/34
 Left In: 147.483 ± 0.000 χ^2/NDF : 342674720.4/22

+ sign 146.166 ± 0.000 χ^2/NDF : 4335739460.6/56
 All: 145.620 ± 0.000 χ^2/NDF : 13547757107.
 - sign 145.077 ± 0.000 χ^2/NDF : 9102639743.0/57

yield_bcm_an_us_rms vs Slug



Right In: 0.400 $\pm$ 0.000 χ^2 /NDF: 3645232.1/31

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.393 $\pm$ 0.000 χ^2 /NDF: 3251086.9/34

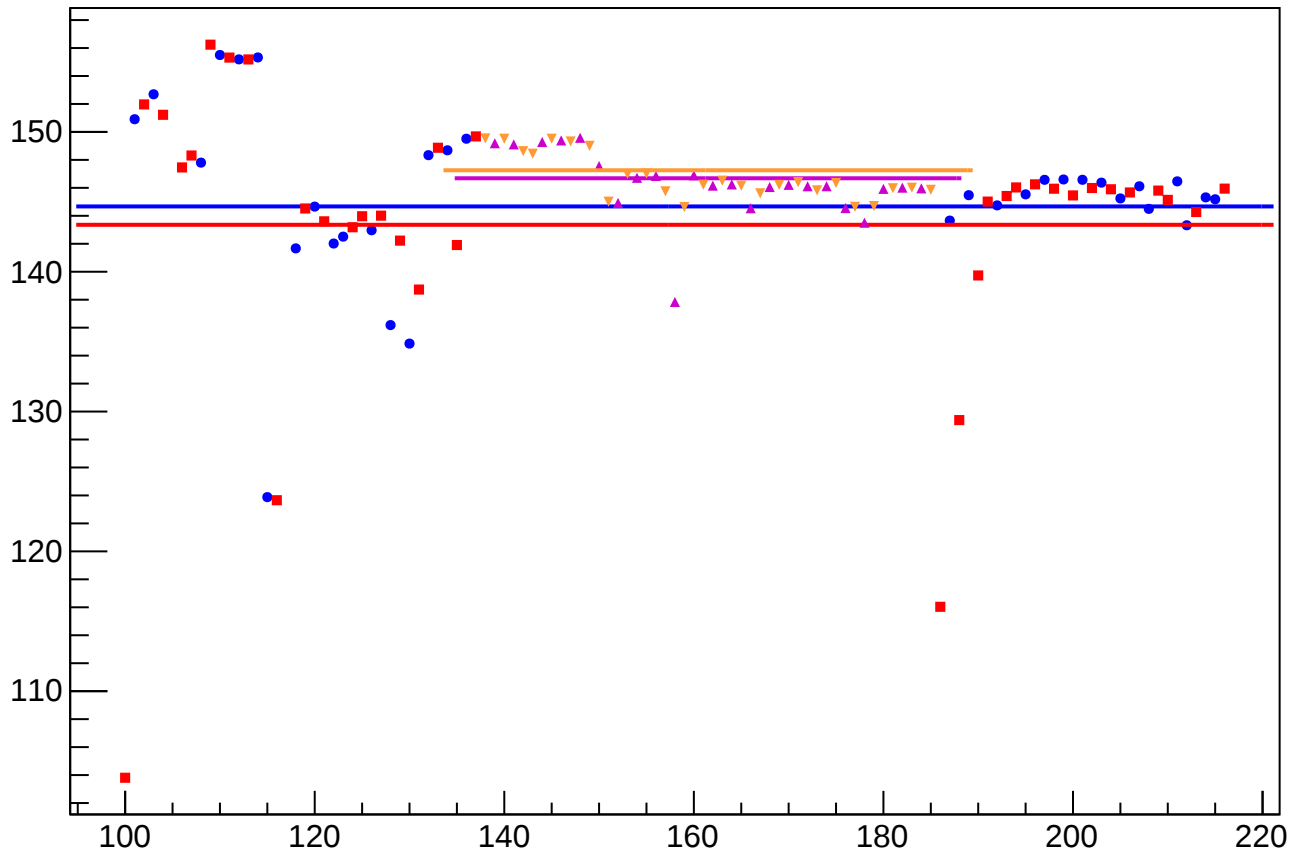
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.415 $\pm$ 0.000 χ^2 /NDF: 5614381.6/56

All: 0.414 $\pm$ 0.000 χ^2 /NDF: 10511195.3/114

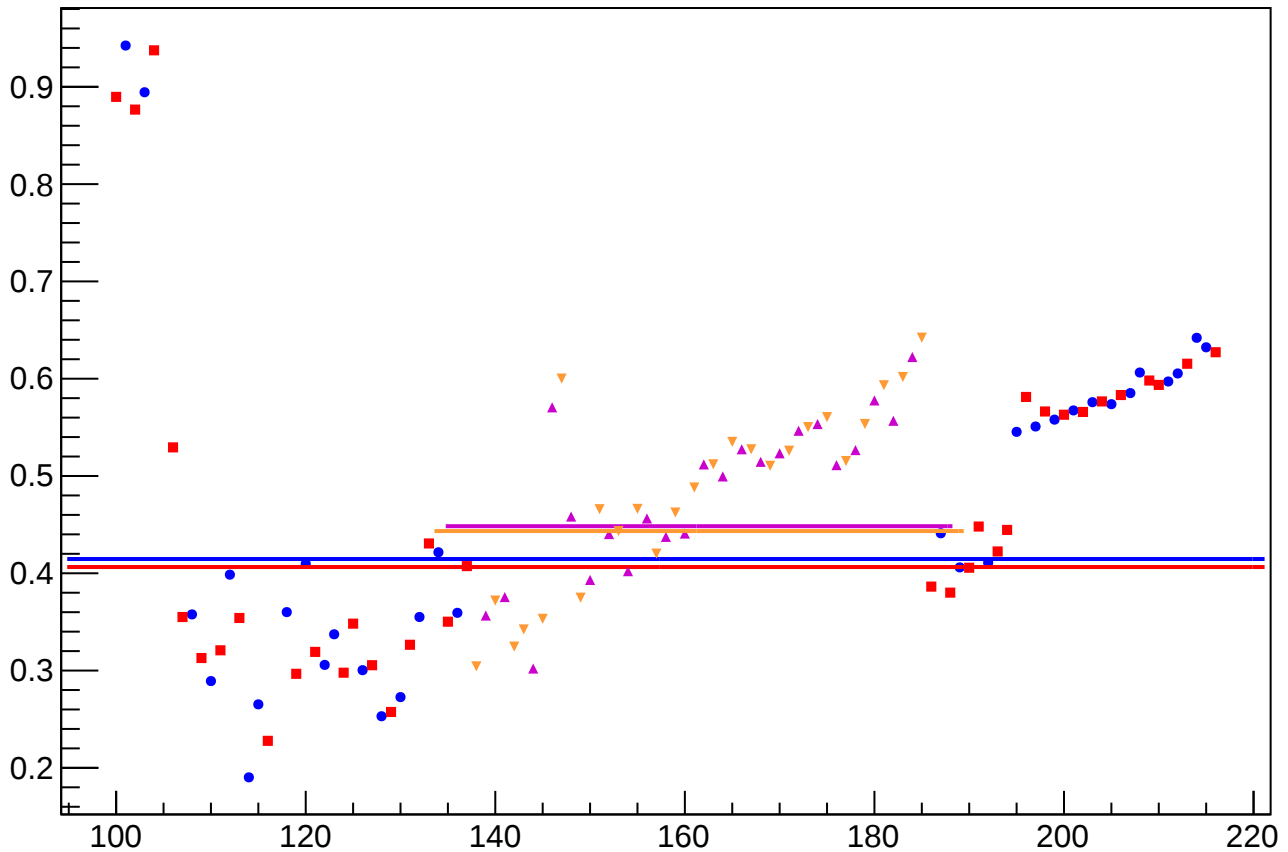
- sign 0.412 $\pm$ 0.000 χ^2 /NDF: 4895836.6/57

yield_bcm_dg_us_mean vs Slug



Right In: 144.671 $\pm$ 0.000	χ^2 /NDF: 3230737722.8/31	+ sign 145.974 $\pm$ 0.000	χ^2 /NDF: 3781234816.8/56
Left Out: 147.257 $\pm$ 0.000	χ^2 /NDF: 261906278.3/24	All: 145.436 $\pm$ 0.000	χ^2 /NDF: 12070520583.0
Right Out: 143.358 $\pm$ 0.000	χ^2 /NDF: 7154866759.0/34	- sign 144.904 $\pm$ 0.000	χ^2 /NDF: 8190074034.8/57
Left In: 146.685 $\pm$ 0.000	χ^2 /NDF: 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.415 $\pm$ 0.000 χ^2 /NDF: 3523935.0/31

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.406 $\pm$ 0.000 χ^2 /NDF: 3137859.4/34

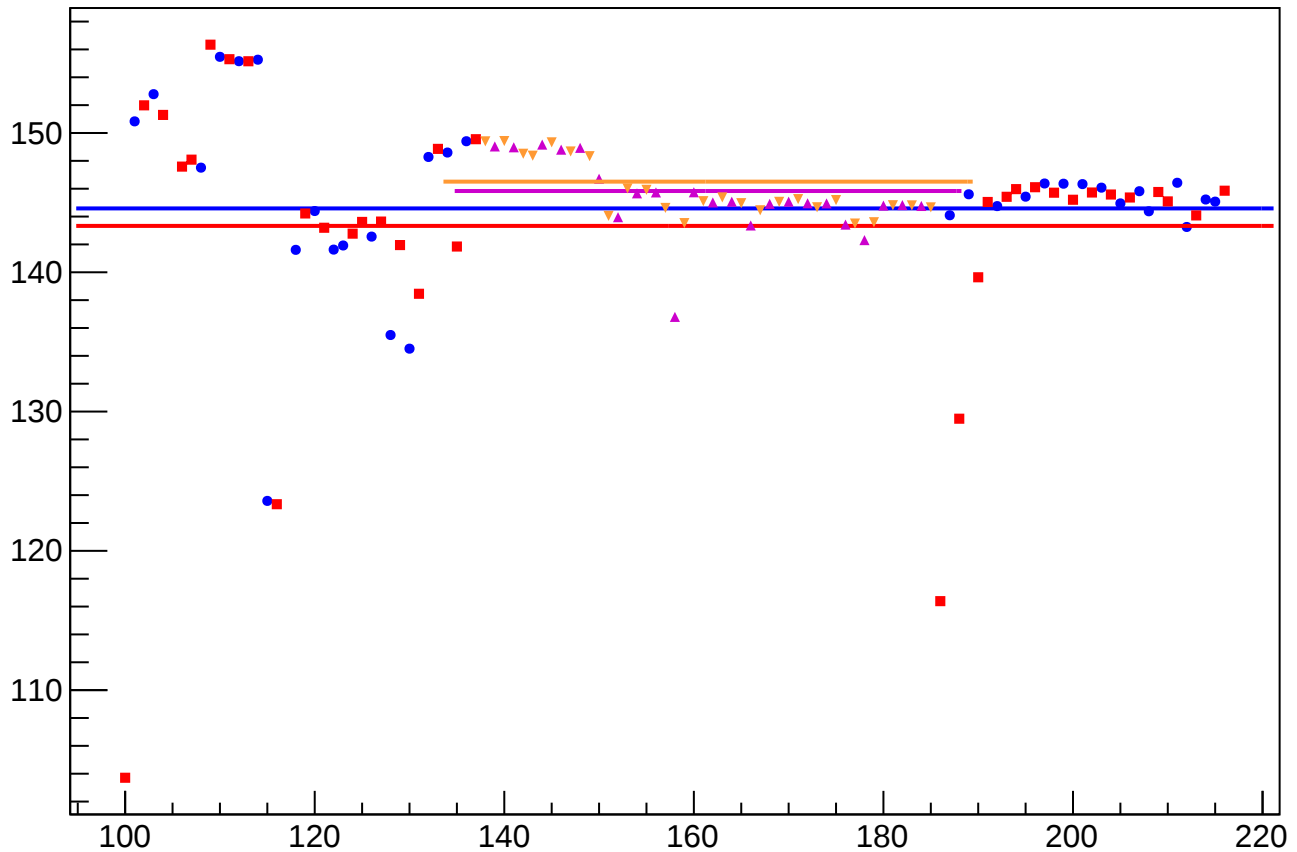
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.429 $\pm$ 0.000 χ^2 /NDF: 5075552.2/56

All: 0.428 $\pm$ 0.000 χ^2 /NDF: 9488280.9/114

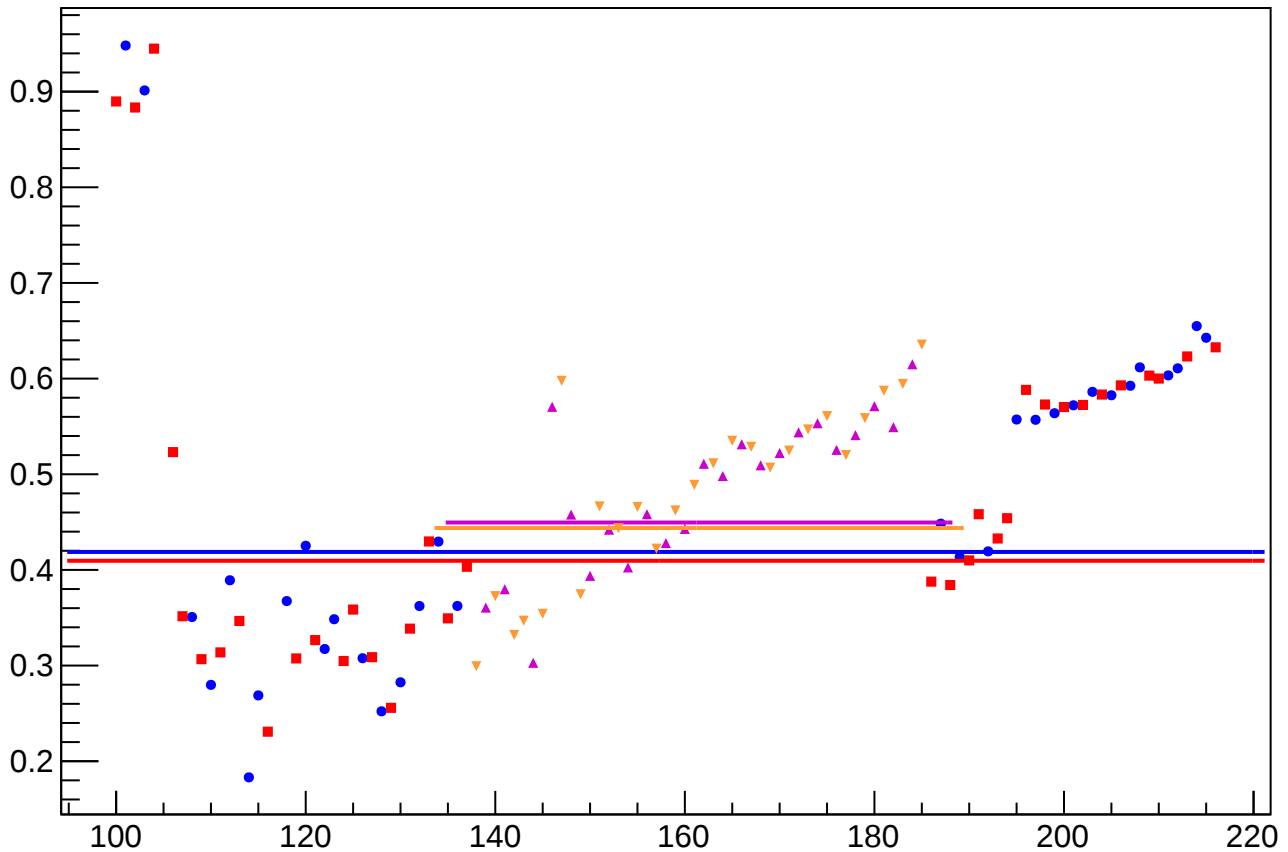
- sign 0.426 $\pm$ 0.000 χ^2 /NDF: 4410943.1/57

yield_bcm_dg_ds_mean vs Slug



Right In: 144.585 $\pm$ 0.000	χ^2 /NDF: 3340503262.8/31	+ sign 145.564 $\pm$ 0.000	χ^2 /NDF: 3899295332.6/56
Left Out: 146.508 $\pm$ 0.000	χ^2 /NDF: 401248837.9/24	All: 145.030 $\pm$ 0.000	χ^2 /NDF: 12061617285.
Right Out: 143.330 $\pm$ 0.000	χ^2 /NDF: 7106646603.1/34	- sign 144.503 $\pm$ 0.000	χ^2 /NDF: 8065819541.9/57
Left In: 145.834 $\pm$ 0.000	χ^2 /NDF: 690172810.0/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.419+/-0.000 χ^2/NDF : 3582792.1/31

Left Out: 0.444+/-0.000 χ^2/NDF :1460383.7/24

Right Out: 0.410+/-0.000 χ^2/NDF : 3175972.6/34

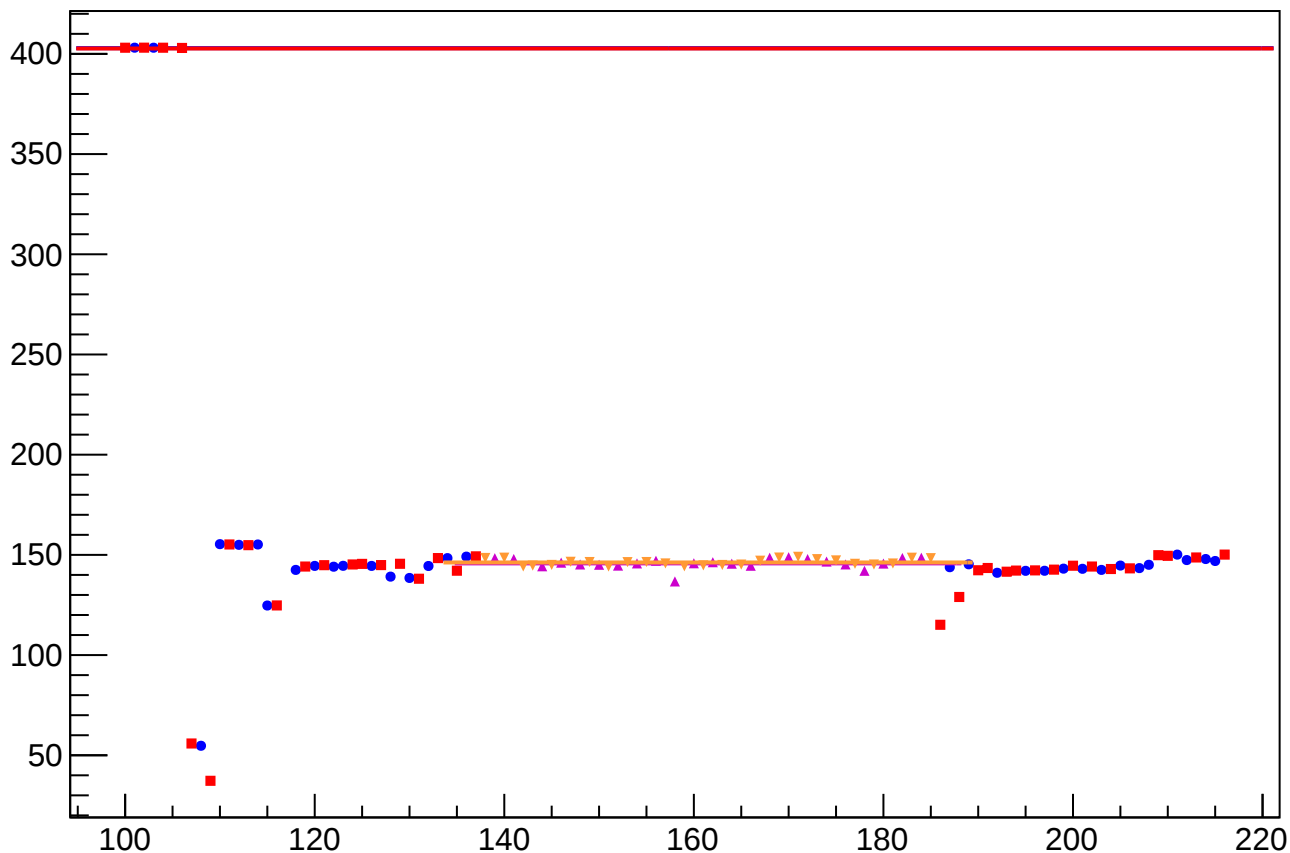
Left In: 0.450+/-0.000 χ^2/NDF :1092776.5/22

+ sign 0.432+/-0.000 χ^2/NDF : 5096532.4/56

All: 0.430+/-0.000 χ^2/NDF : 9504148.3/114

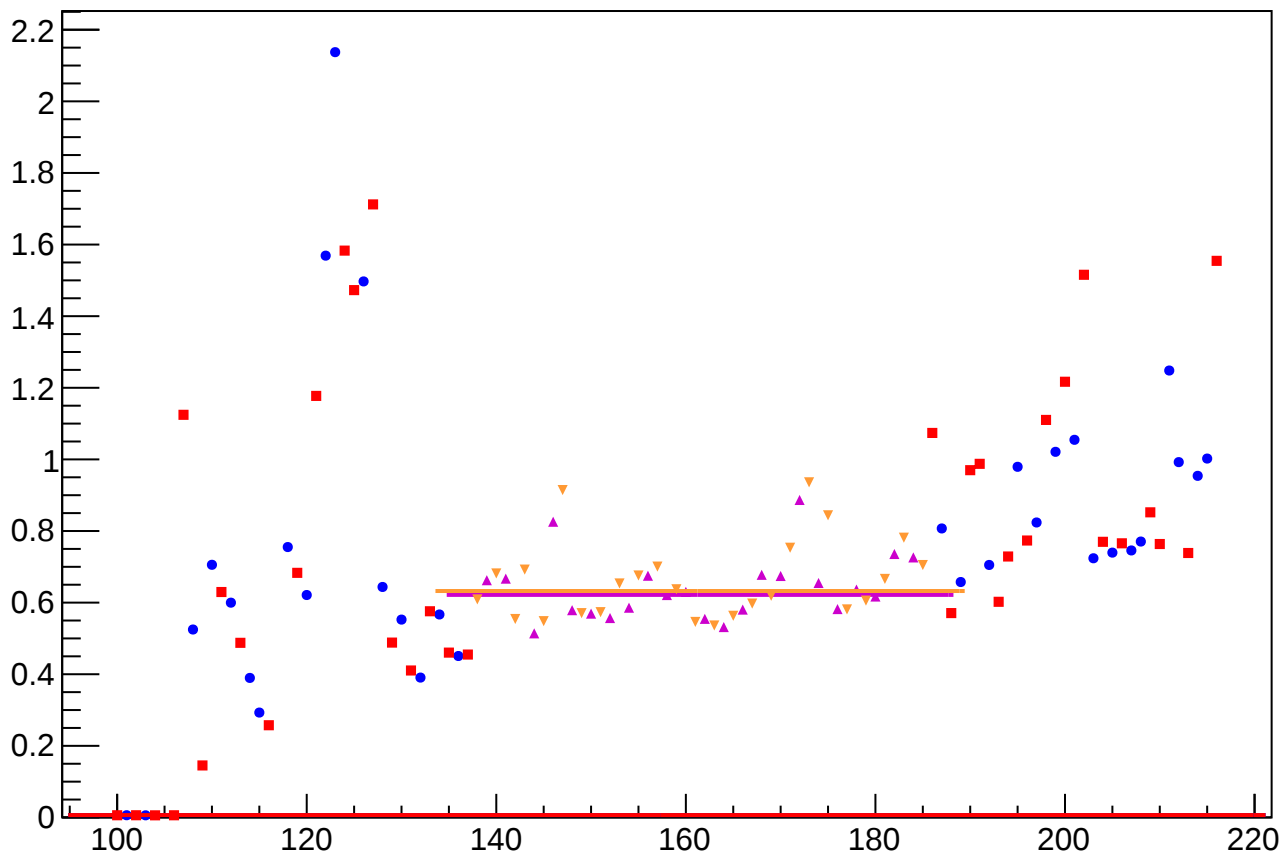
- sign 0.428+/-0.000 χ^2/NDF : 4405819.8/57

yield_cav4bQ_mean vs Slug



Right In: 402.858+/-0.000	χ^2/NDF : 1893258680591.5/31	+ sign 402.564+/-0.000	χ^2/NDF : 4252737817869.4
Left Out: 146.216+/-0.000	χ^2/NDF : 86042286.3/24	All: 402.496+/-0.000	χ^2/NDF : 106626680278
Right Out: 402.693+/-0.000	χ^2/NDF : 4081880173941.0/34	- sign 402.436+/-0.000	χ^2/NDF : 6409659778084.1/
Left In: 145.755+/-0.000	χ^2/NDF : 206171532.0/22		

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 25915147.7/31

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 27473401.1/34

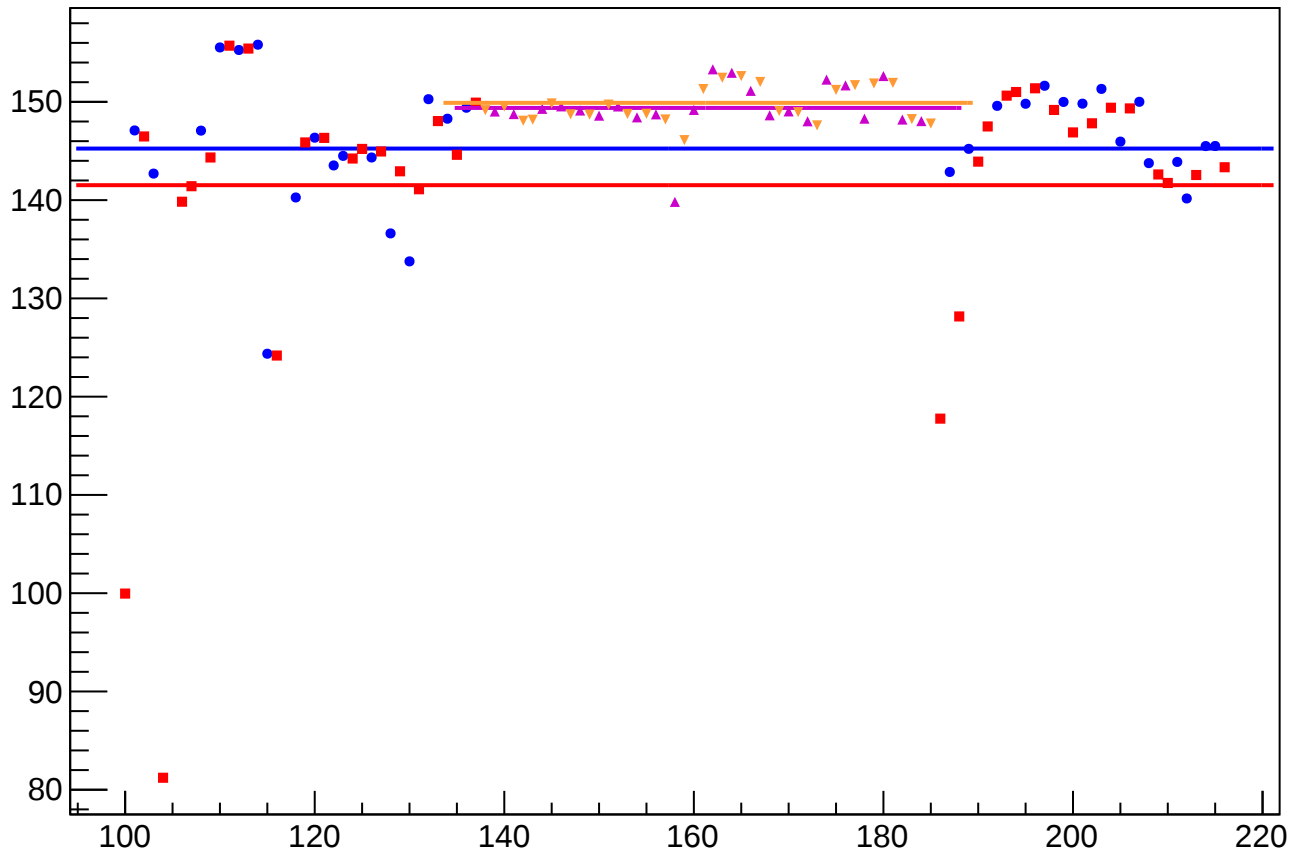
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 54581820.6/56

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 109122800.6/114

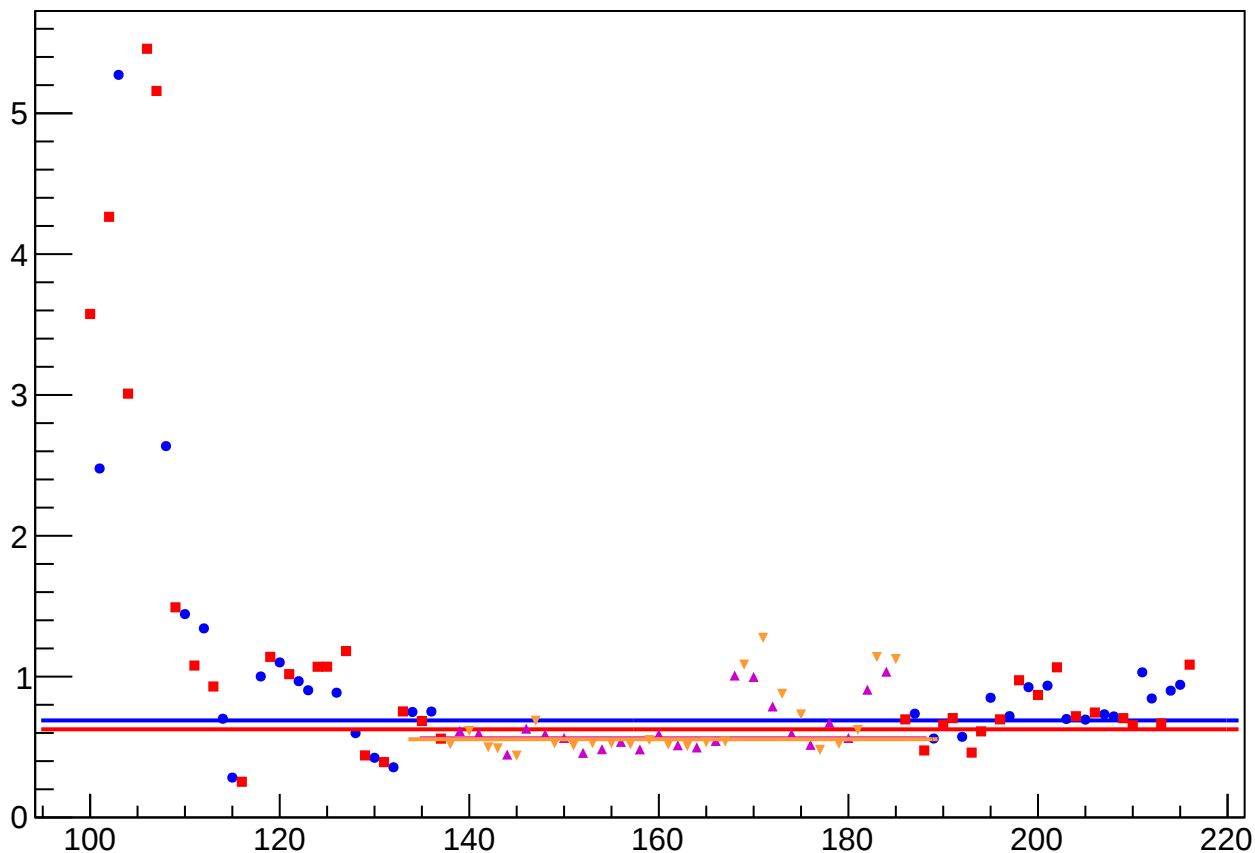
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 54540518.6/57

yield_cav4cQ_mean vs Slug



Right In: 145.247+/-0.000	χ^2/NDF : 1359841725.8/31	+ sign 148.343+/-0.000	χ^2/NDF : 1890274315.5/56
Left Out: 149.900+/-0.000	χ^2/NDF : 162845622.6/24	All: 147.277+/-0.000	χ^2/NDF : 6914743600.2
Right Out: 141.521+/-0.000	χ^2/NDF : 3253109124.4/34	- sign 146.244+/-0.000	χ^2/NDF : 4853887467.2/57
Left In: 149.382+/-0.000	χ^2/NDF : 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.689 ± 0.000 χ^2/NDF : 4391624.5/31

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.626 ± 0.000 χ^2/NDF : 5802387.4/34

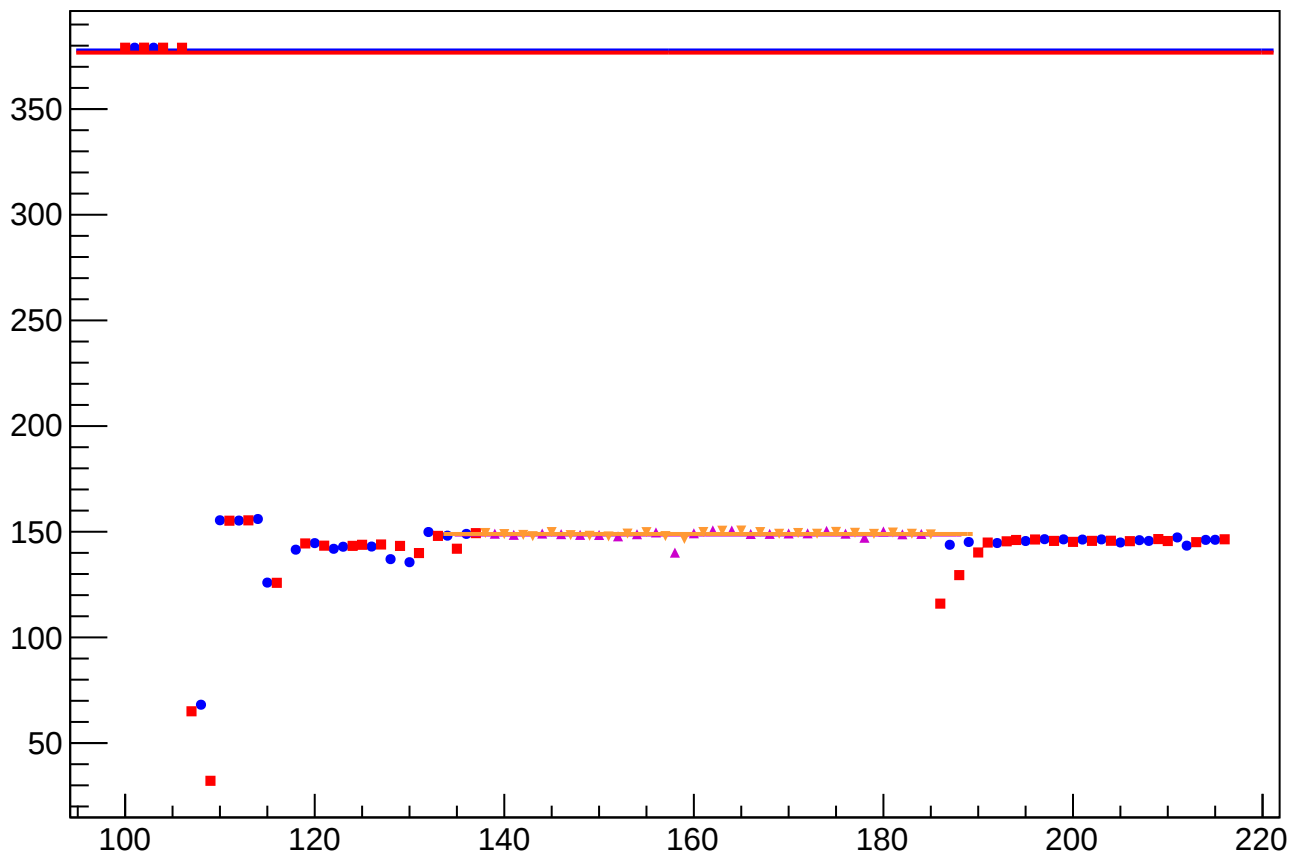
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.600 ± 0.000 χ^2/NDF : 6770373.2/56

All: 0.594 ± 0.000 χ^2/NDF : 14045738.6/114

- sign 0.587 ± 0.000 χ^2/NDF : 7262596.8/57

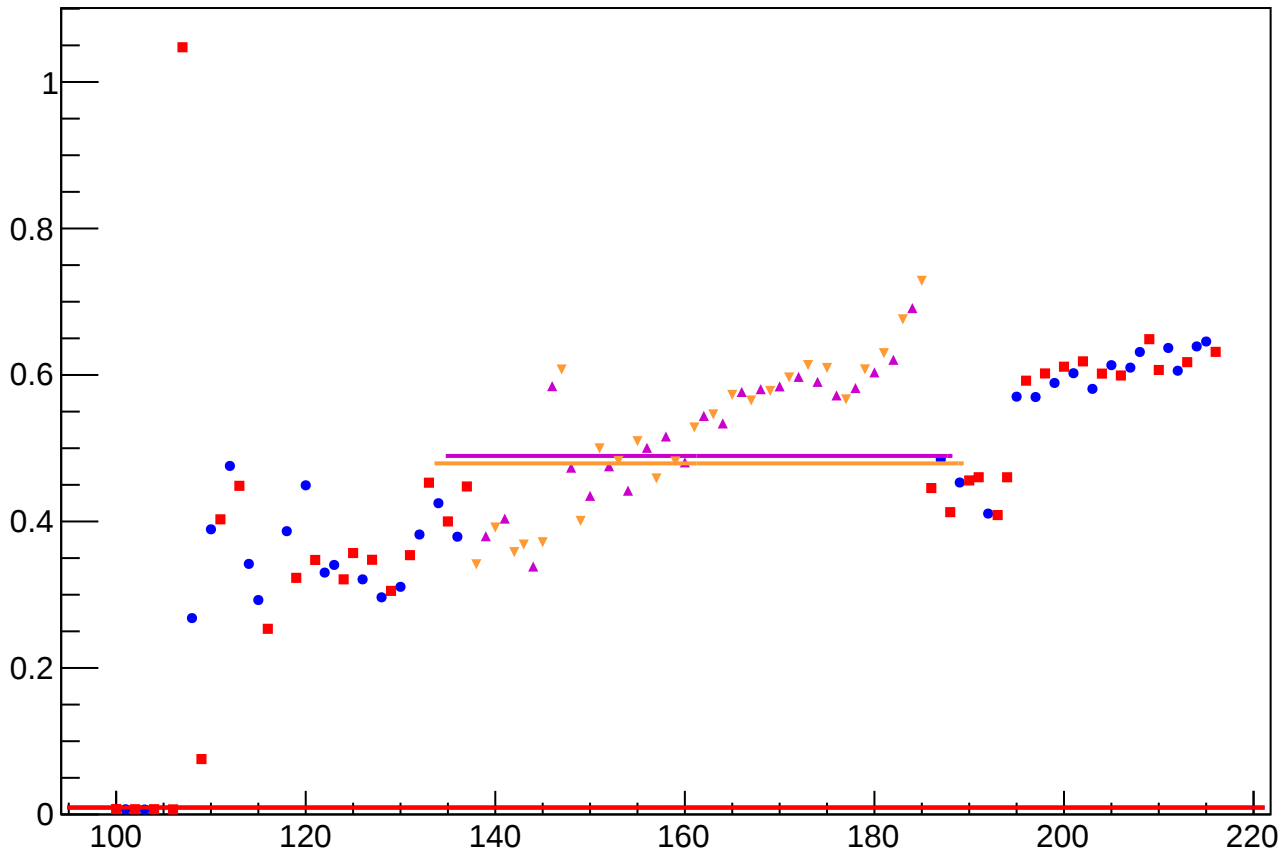
yield_cav4dQ_mean vs Slug



Right In: 377.728 $\pm$ 0.000 χ^2 /NDF: 4227133226840.3/31
 Left Out: 148.944 $\pm$ 0.000 χ^2 /NDF: 63976941.3/24
 Right Out: 376.717 $\pm$ 0.000 χ^2 /NDF: 10327409533227.1/34
 Left In: 148.672 $\pm$ 0.000 χ^2 /NDF: 252846428.3/22

+ sign 376.454 $\pm$ 0.000 χ^2 /NDF: 8115497855349.3
 All: 376.051 $\pm$ 0.000 χ^2 /NDF: 219882560369
 - sign 375.697 $\pm$ 0.000 χ^2 /NDF: 13868655991427.5

yield_cav4dQ_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 29847189.9/31

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1516566.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 29935697.8/34

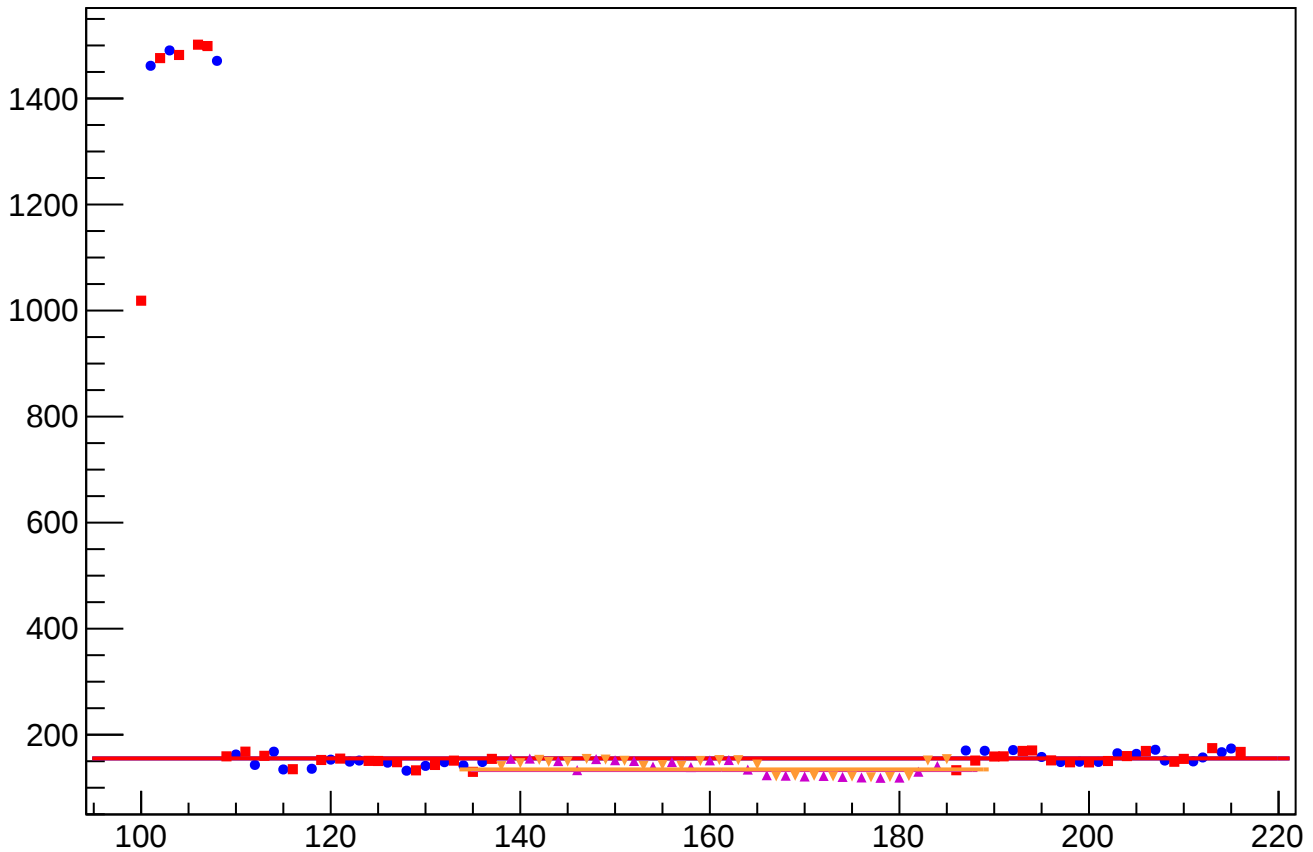
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF:1076134.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 64163129.0/56

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 126562882.4/114

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 62395978.8/57

yield_bcm0l02_mean vs Slug



Right In: 155.265+/-0.000 χ^2/NDF : 26181938770.9/31

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 155.308+/-0.000 χ^2/NDF : 35260220500.2/34

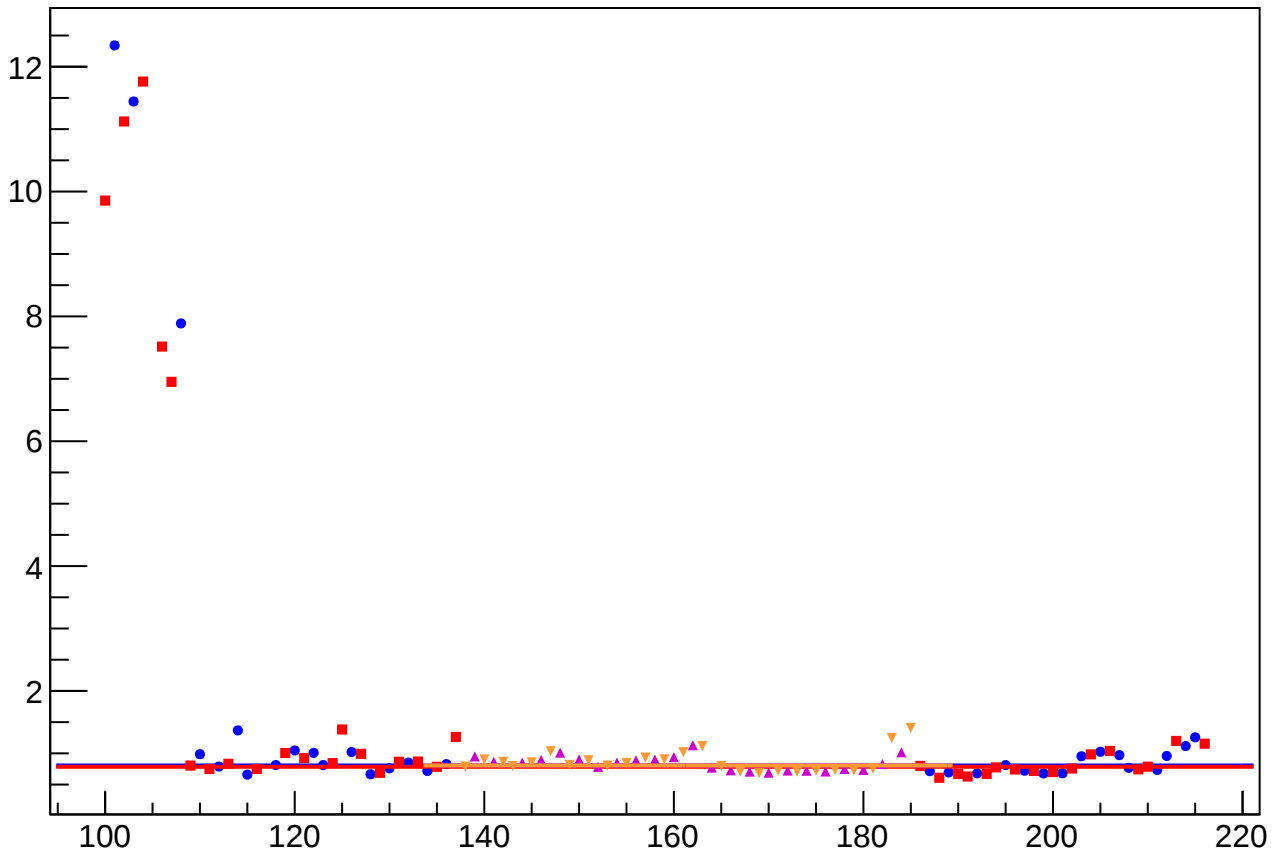
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 143.943+/-0.000 χ^2/NDF : 35170197945.7/56

All: 143.956+/-0.000 χ^2/NDF : 80045569902.0

- sign 143.968+/-0.000 χ^2/NDF : 44875358549.5/57

yield_bcm0l02_rms vs Slug



Right In: 0.806 ± 0.000 χ^2/NDF : 3303686.8/31

Left Out: 0.806 ± 0.000 χ^2/NDF : 690578.5/24

Right Out: 0.785 ± 0.000 χ^2/NDF : 3556779.6/34

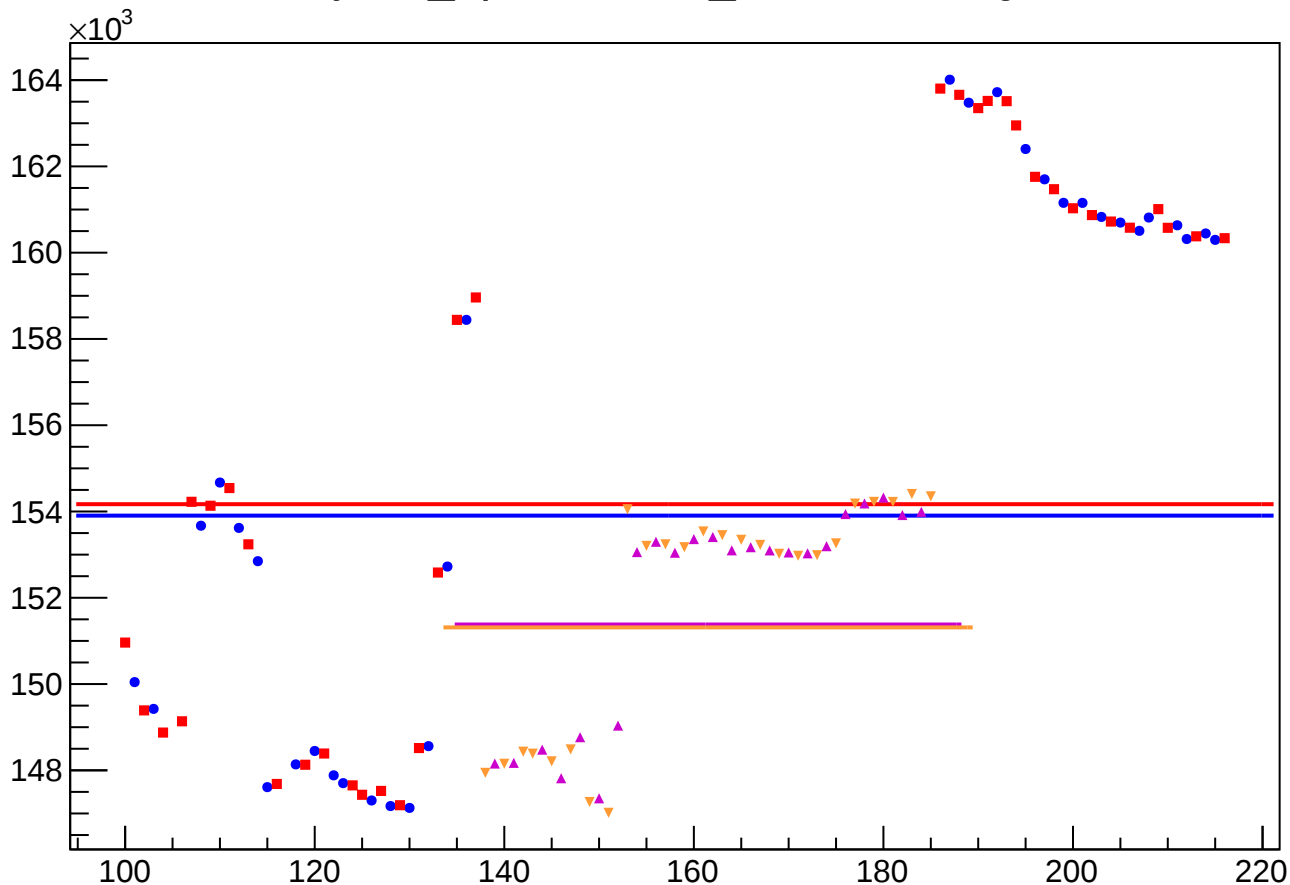
Left In: 0.805 ± 0.000 χ^2/NDF : 480510.8/22

+ sign 0.806 ± 0.000 χ^2/NDF : 3994266.8/56

All: 0.801 ± 0.000 χ^2/NDF : 8045331.2/114

- sign 0.795 ± 0.000 χ^2/NDF : 4045944.2/57

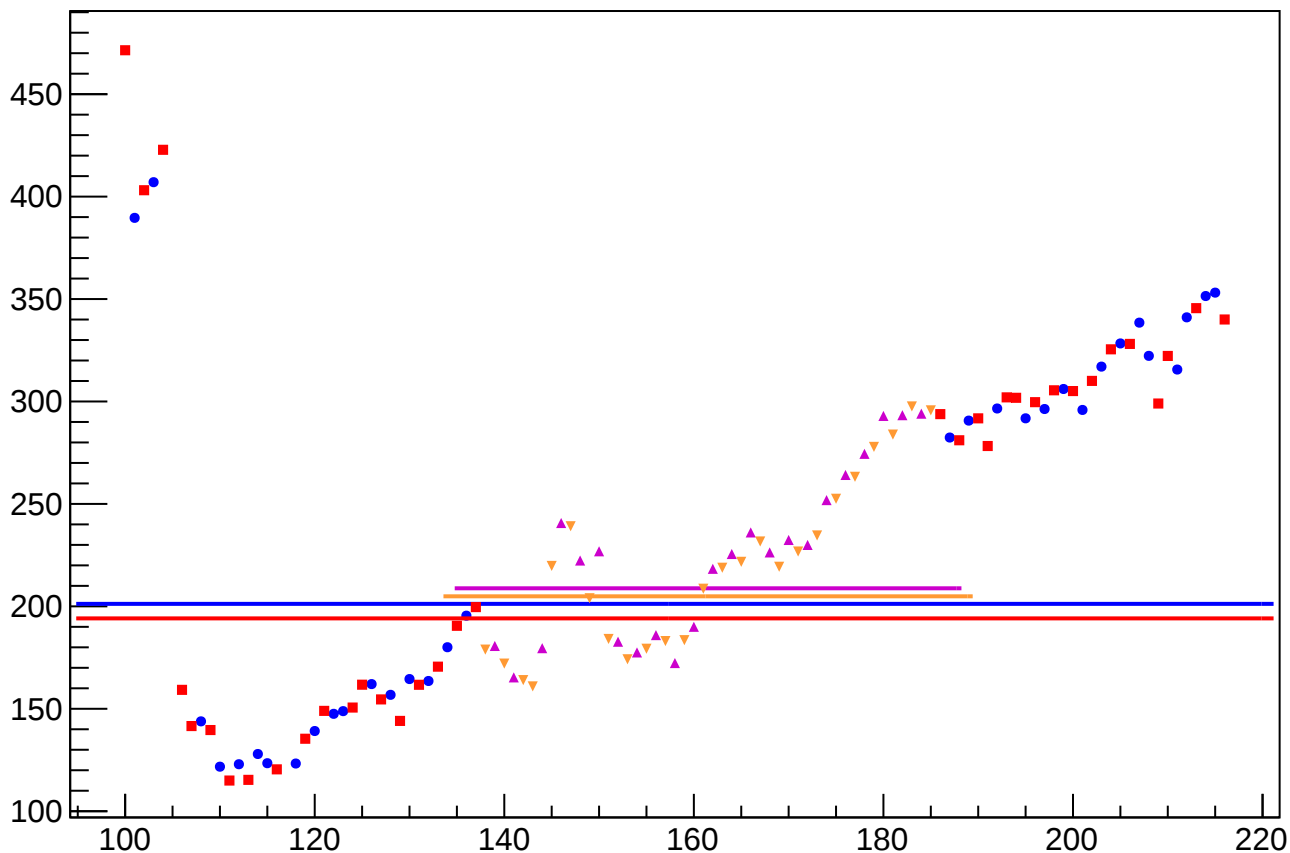
yield_bpm0i01WS_mean vs Slug



Right In: 153904.363 $\pm$ 0.053 χ^2 /NDF: 12143934356.2/31
 Left Out: 151313.284 $\pm$ 0.049 χ^2 /NDF: 3153768134.8/24
 Right Out: 154169.595 $\pm$ 0.050 χ^2 /NDF: 12754686326.8/34
 Left In: 151380.236 $\pm$ 0.051 χ^2 /NDF: 2363895785.3/22

+ sign 152503.710 $\pm$ 0.036 χ^2 /NDF: 16599097697.
 All: 152649.570 $\pm$ 0.025 χ^2 /NDF: 332585389
 - sign 152796.425 $\pm$ 0.036 χ^2 /NDF: 16626117473.0

yield_bpm0i01WS_rms vs Slug



Right In: 201.215 $\pm$ 0.037 χ^2 /NDF: 5161532.8/31

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 194.123 $\pm$ 0.036 χ^2 /NDF: 5368714.9/34

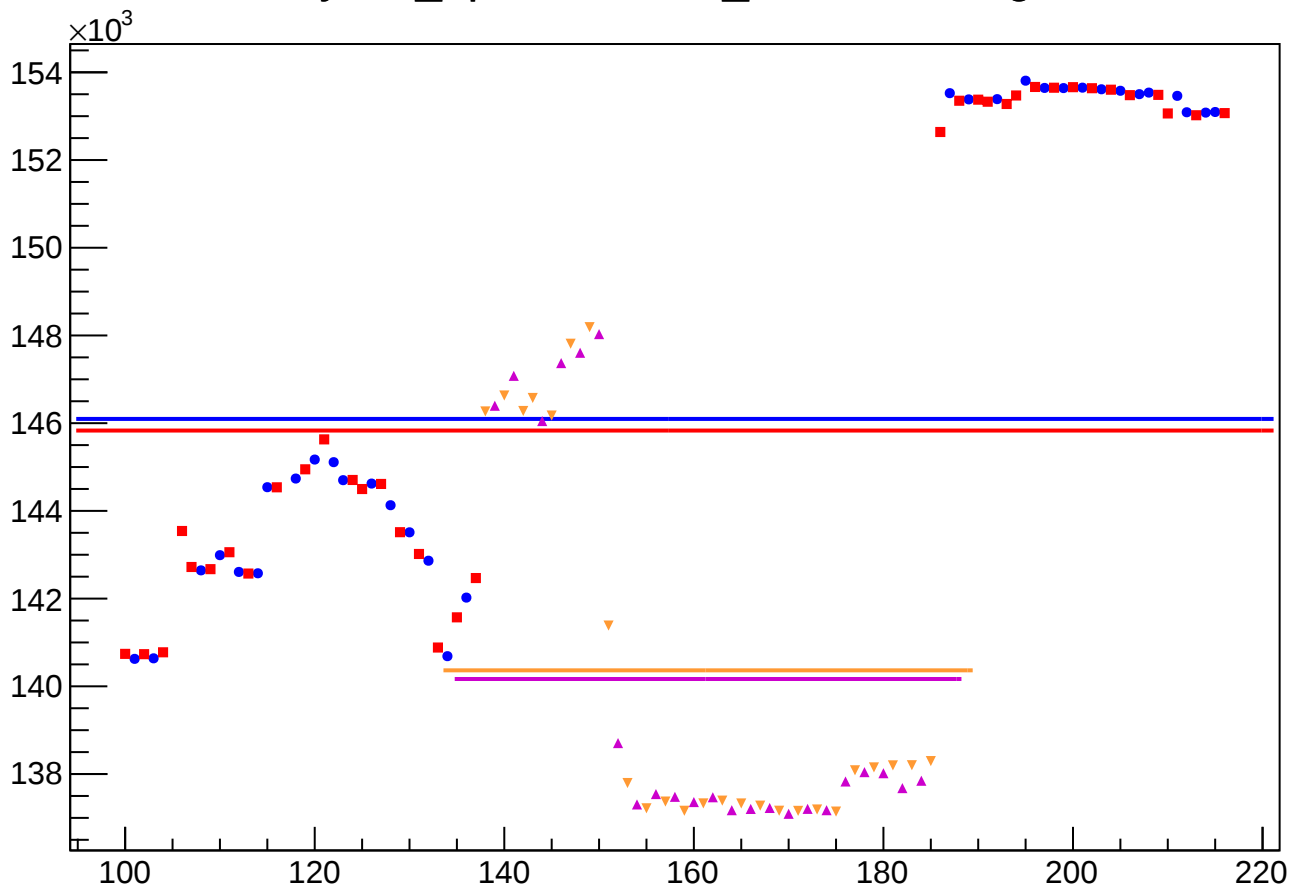
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 203.207 $\pm$ 0.025 χ^2 /NDF: 6223176.2/56

All: 202.284 $\pm$ 0.018 χ^2 /NDF: 12680115.4/11

- sign 201.355 $\pm$ 0.025 χ^2 /NDF: 6454270.5/57

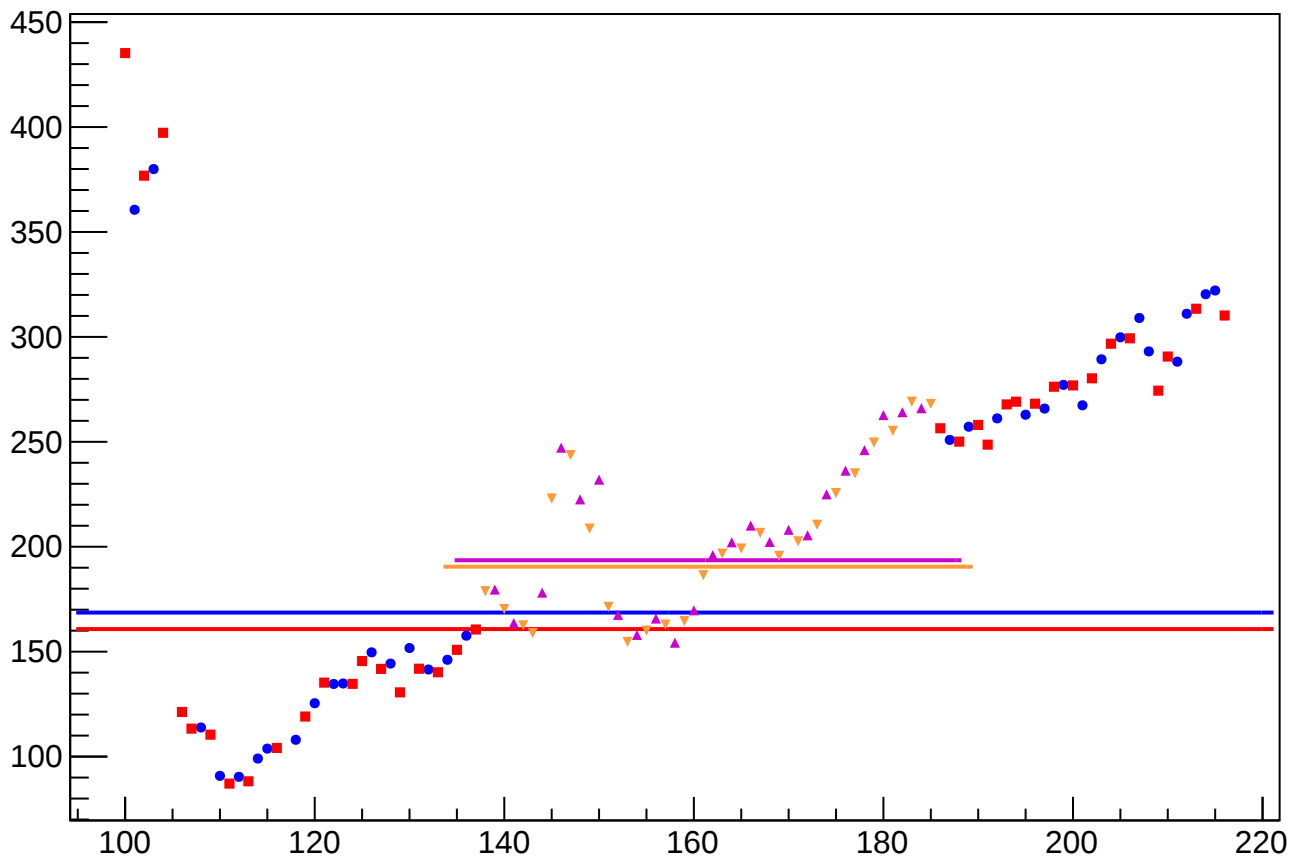
yield_bpm0i01aWS_mean vs Slug



Right In: 146096.874 $\pm$ 0.045 χ^2 /NDF: 10356623359.8/31
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 145831.987 $\pm$ 0.042 χ^2 /NDF: 11299614050.5/34
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22

+ sign 143234.299 $\pm$ 0.032 χ^2 /NDF: 27079621696.1
 All: 143273.421 $\pm$ 0.022 χ^2 /NDF: 543235813.1
 - sign 143311.797 $\pm$ 0.032 χ^2 /NDF: 27240990306.1

yield_bpm0i01aWS_rms vs Slug



Right In: 168.632 $\pm$ 0.032 χ^2 /NDF: 6327704.9/31

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 160.764 $\pm$ 0.030 χ^2 /NDF: 6594262.9/34

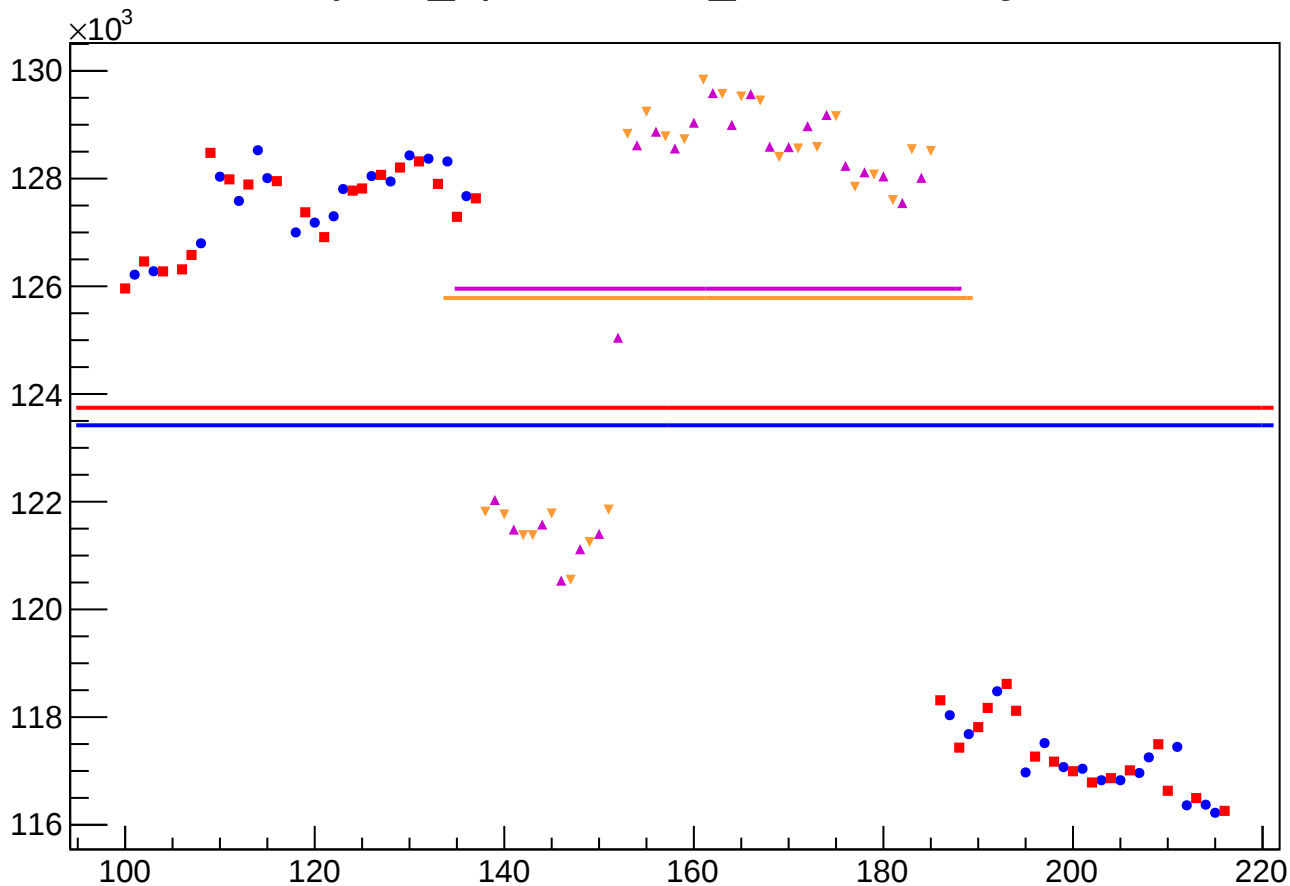
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 179.545 $\pm$ 0.023 χ^2 /NDF: 7511807.8/56

All: 177.429 $\pm$ 0.016 χ^2 /NDF: 15617473.6/1

- sign 175.353 $\pm$ 0.022 χ^2 /NDF: 8088287.9/57

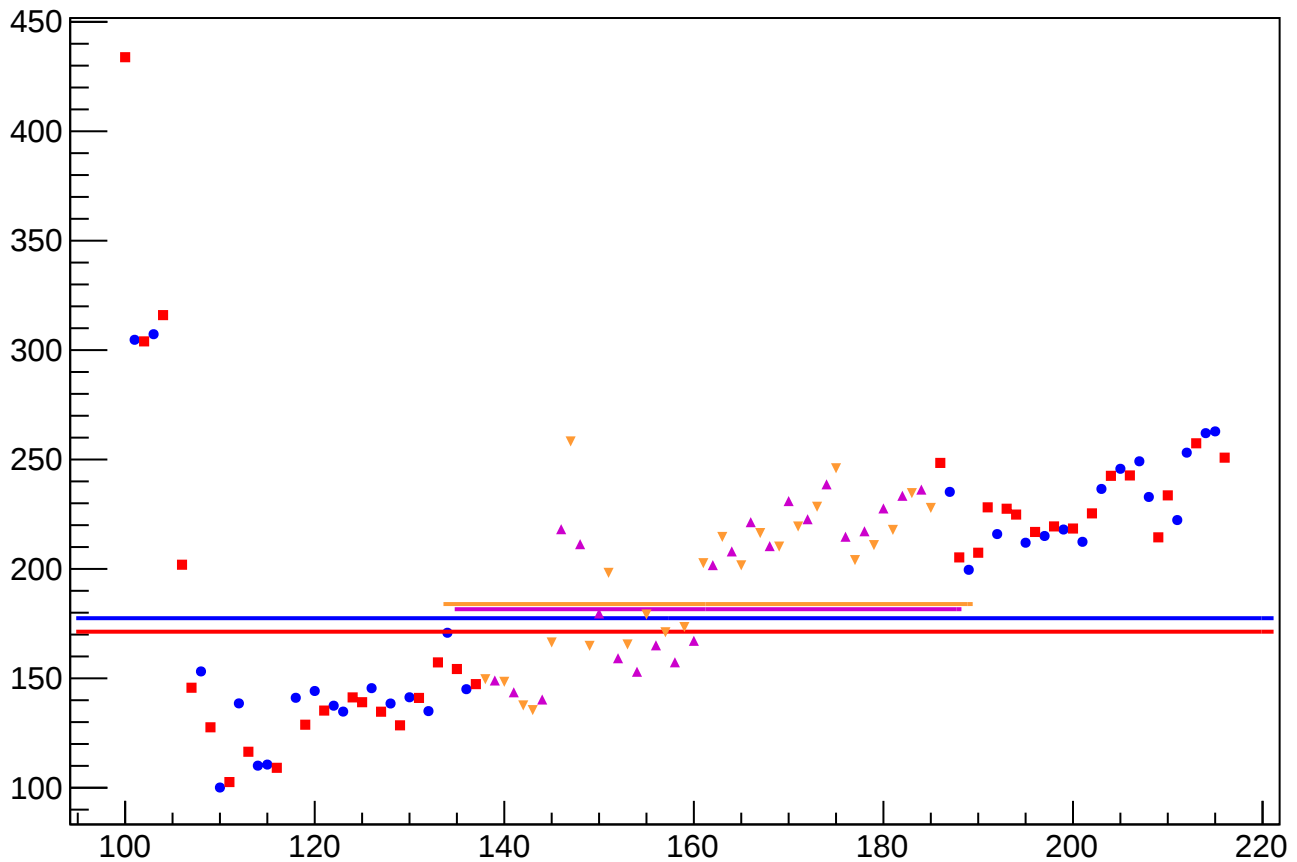
yield_bpm0l01WS_mean vs Slug



Right In: 123418.891 ± 0.045 $\chi^2/\text{NDF}: 13525170553.4/31$
 Left Out: 125782.764 ± 0.044 $\chi^2/\text{NDF}: 6729761889.8/24$
 Right Out: 123744.515 ± 0.043 $\chi^2/\text{NDF}: 14125289235.9/34$
 Left In: 125955.637 ± 0.045 $\chi^2/\text{NDF}: 5804088930.1/22$

+ sign 124622.740 ± 0.031 $\chi^2/\text{NDF}: 21671113593.5$
 All: 124713.386 ± 0.022 $\chi^2/\text{NDF}: 428879809$
 - sign 124801.613 ± 0.031 $\chi^2/\text{NDF}: 21200424543.3$

yield_bpm0l01WS_rms vs Slug



Right In: 177.485+/-0.032 χ^2/NDF : 2753728.6/31

Left Out: 183.947+/-0.031 χ^2/NDF : 1123194.0/24

Right Out: 171.317+/-0.030 χ^2/NDF : 3113653.1/34

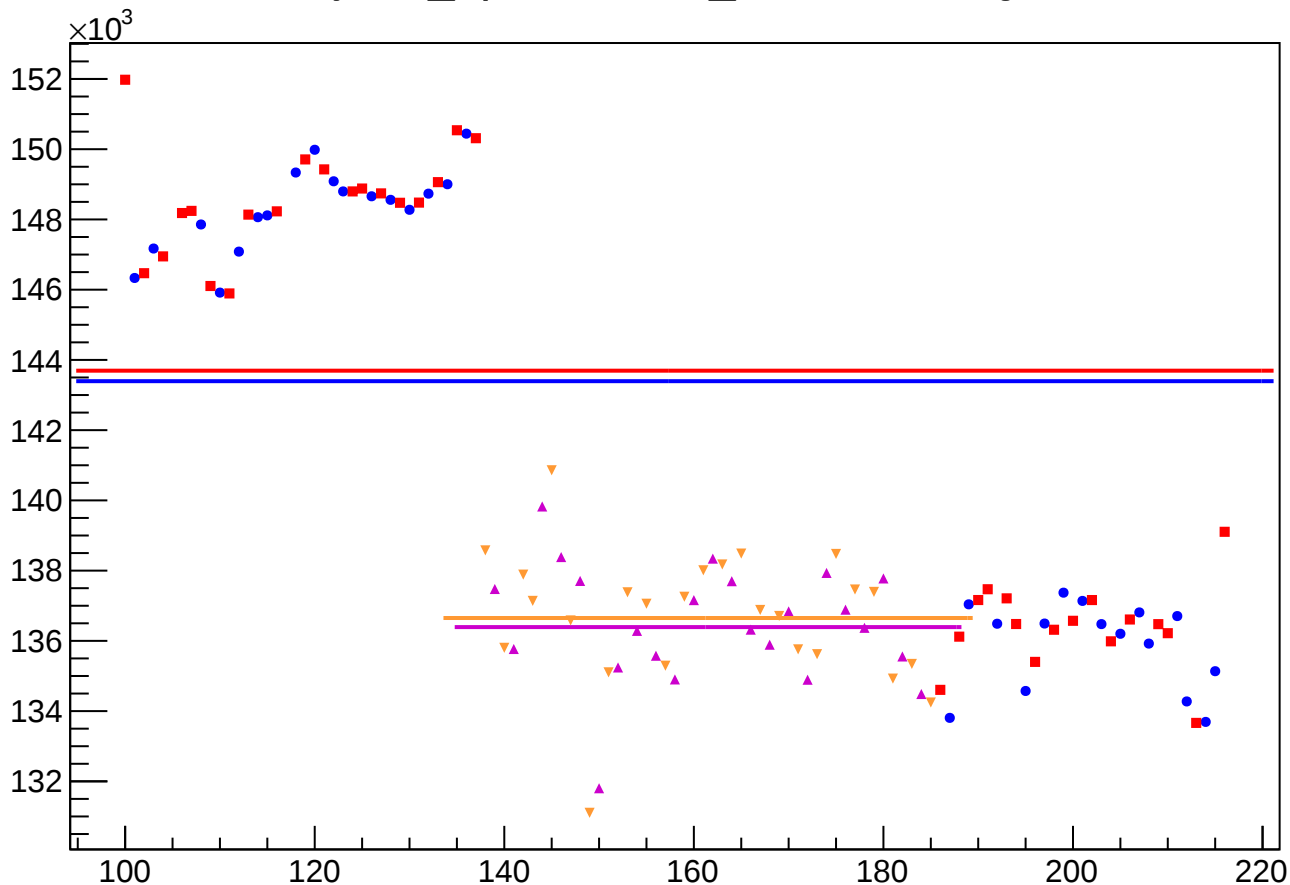
Left In: 181.596+/-0.032 χ^2/NDF : 1103524.3/22

+ sign 180.776+/-0.022 χ^2/NDF : 3898088.9/56

All: 178.473+/-0.016 χ^2/NDF : 8191424.7/114

- sign 176.231+/-0.022 χ^2/NDF : 4272109.9/57

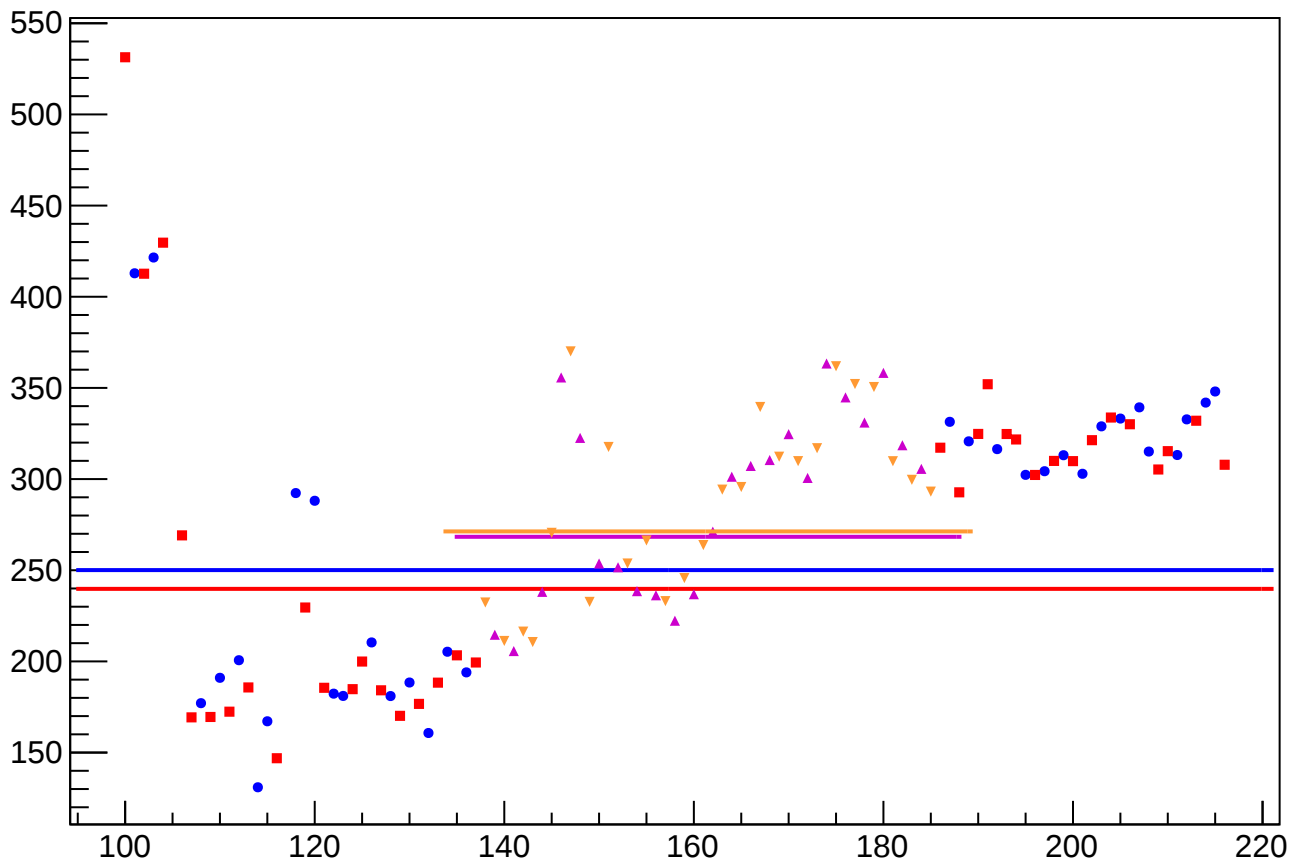
yield_bpm0l02WS_mean vs Slug



Right In: 143394.624 ± 0.063 $\chi^2/\text{NDF}: 9820532133.7/31$
 Left Out: 136650.935 ± 0.065 $\chi^2/\text{NDF}: 930649595.5/24$
 Right Out: 143693.482 ± 0.060 $\chi^2/\text{NDF}: 9830109284.3/34$
 Left In: 136392.188 ± 0.066 $\chi^2/\text{NDF}: 701986841.4/22$

+ sign 140101.097 ± 0.045 $\chi^2/\text{NDF}: 16322070237.6/23$
 - sign 140393.290 ± 0.044 $\chi^2/\text{NDF}: 17245238464.6/23$
 All: 140249.848 ± 0.032 $\chi^2/\text{NDF}: 335886173.1/46$

yield_bpm0l02WS_rms vs Slug



Right In: 250.080 $\pm$ 0.045 χ^2 /NDF: 2739874.7/31

Left Out: 271.295 $\pm$ 0.046 χ^2 /NDF:1064485.7/24

Right Out: 239.787 $\pm$ 0.042 χ^2 /NDF: 2904345.7/34

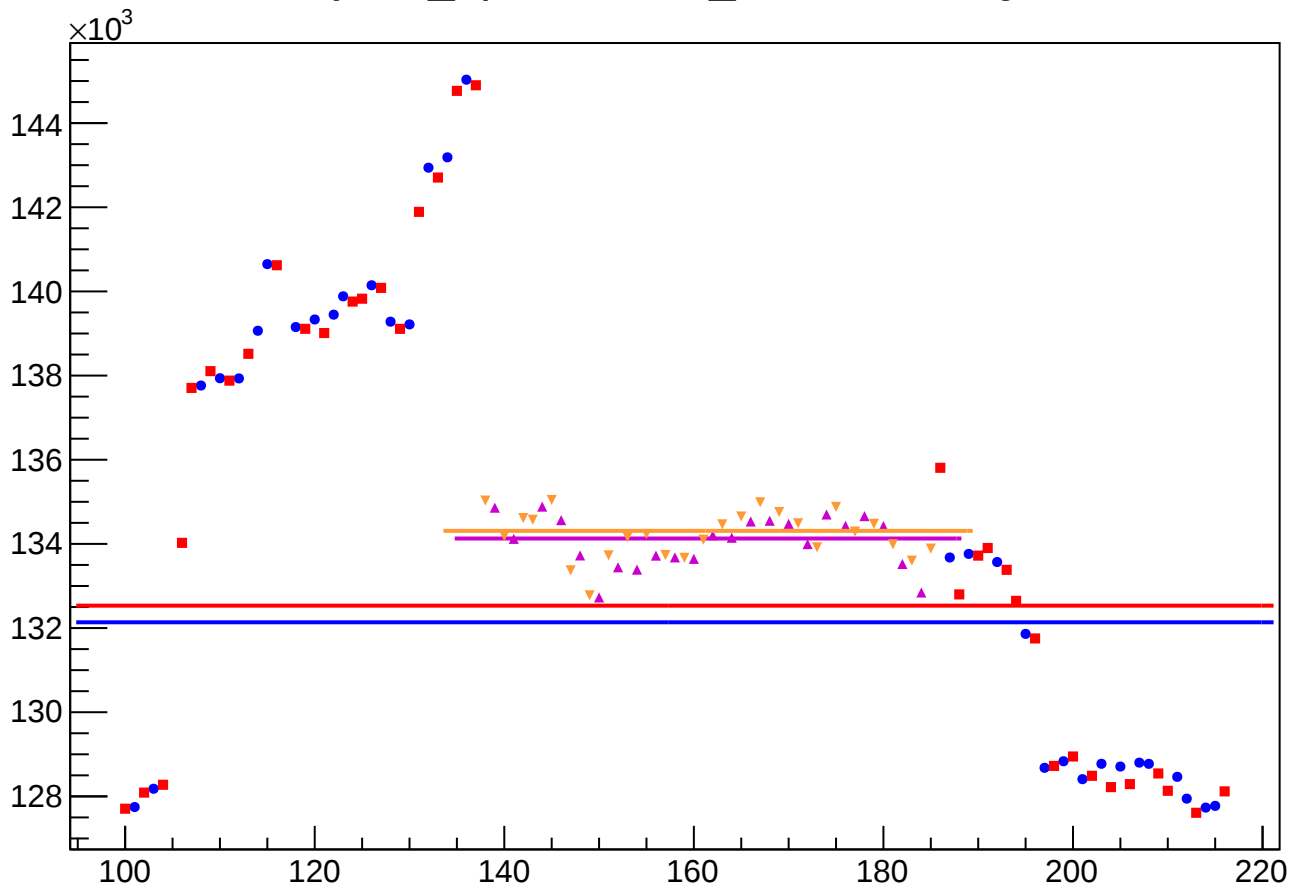
Left In: 268.344 $\pm$ 0.047 χ^2 /NDF:1077364.0/22

+ sign 260.441 $\pm$ 0.032 χ^2 /NDF: 3914624.9/56

All: 256.498 $\pm$ 0.022 χ^2 /NDF: 8131679.5/114

- sign 252.694 $\pm$ 0.031 χ^2 /NDF: 4187097.1/57

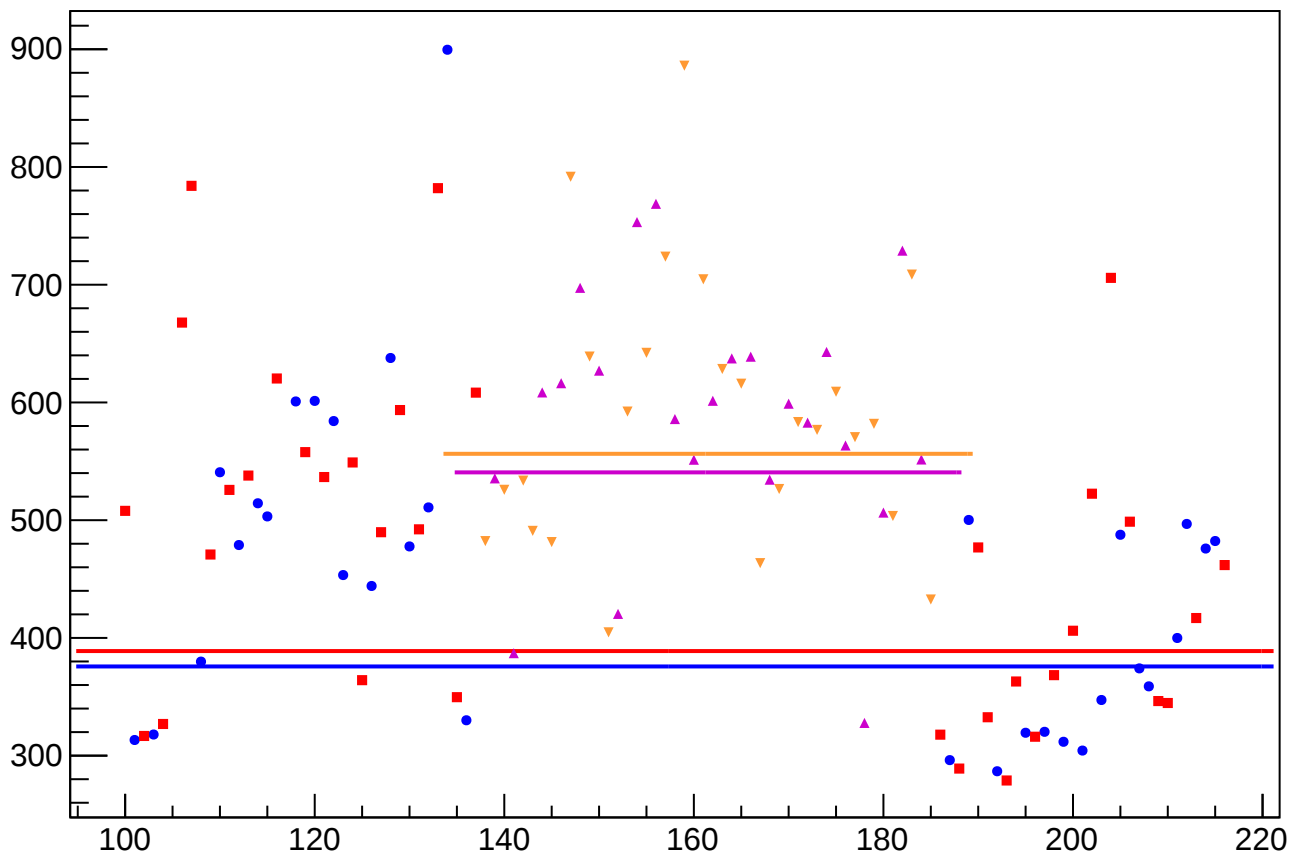
yield_bpm0l03WS_mean vs Slug



Right In: 132137.151 ± 0.102 $\chi^2/\text{NDF}: 2785844251.3/31$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 132532.789 ± 0.105 $\chi^2/\text{NDF}: 1987594105.0/34$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 132900.961 ± 0.082 $\chi^2/\text{NDF}: 2960887328.3$
 All: 132997.200 ± 0.059 $\chi^2/\text{NDF}: 50482625$
 - sign 133099.305 ± 0.085 $\chi^2/\text{NDF}: 2084546394.9/$

yield_bpm0l03WS_rms vs Slug



Right In: 375.767 ± 0.072 $\chi^2/\text{NDF}: 1541486.2/31$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 388.841 ± 0.075 $\chi^2/\text{NDF}: 1967533.1/34$

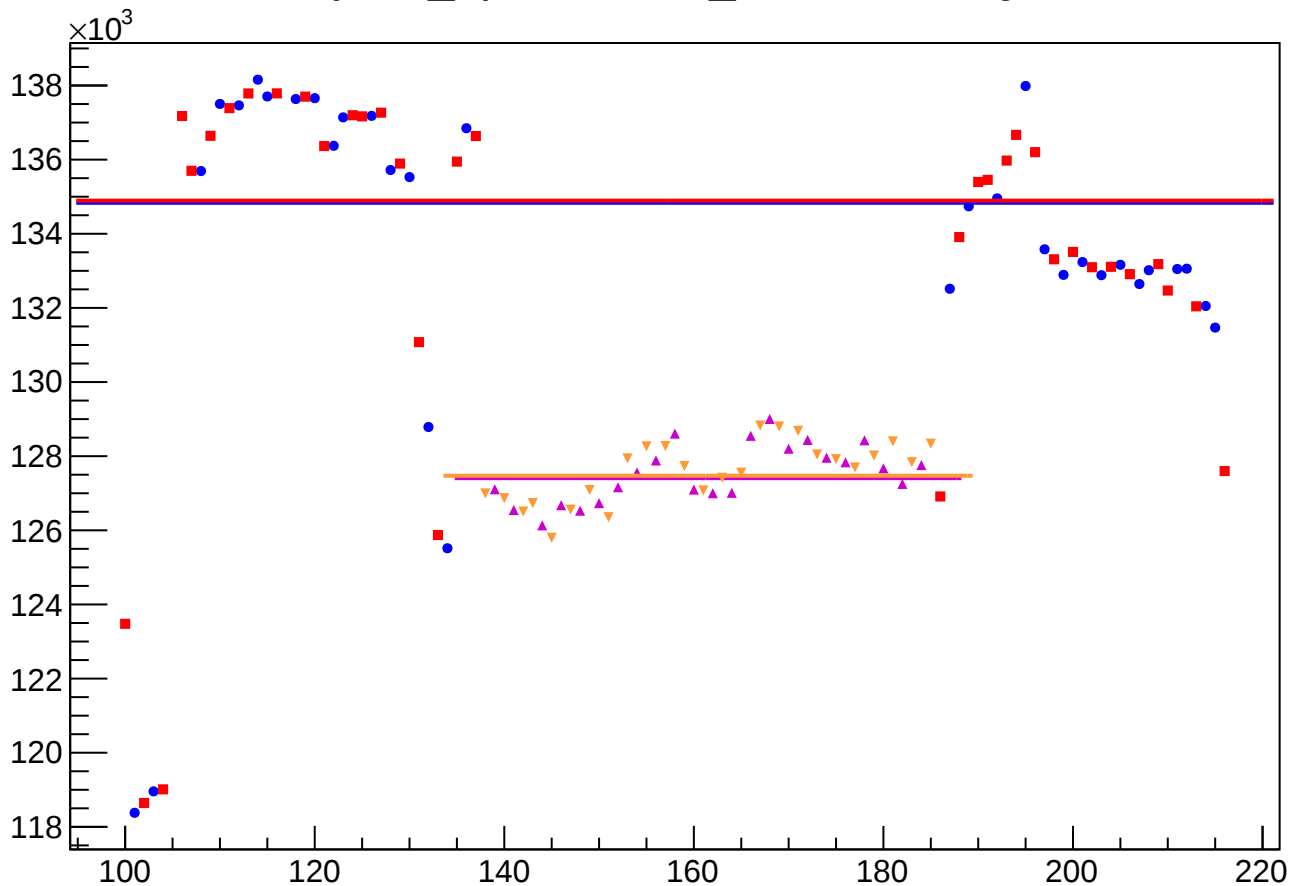
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 439.250 ± 0.058 $\chi^2/\text{NDF}: 4747521.2/56$

All: 440.940 ± 0.042 $\chi^2/\text{NDF}: 9599392.6/114$

- sign 442.732 ± 0.060 $\chi^2/\text{NDF}: 4850127.1/57$

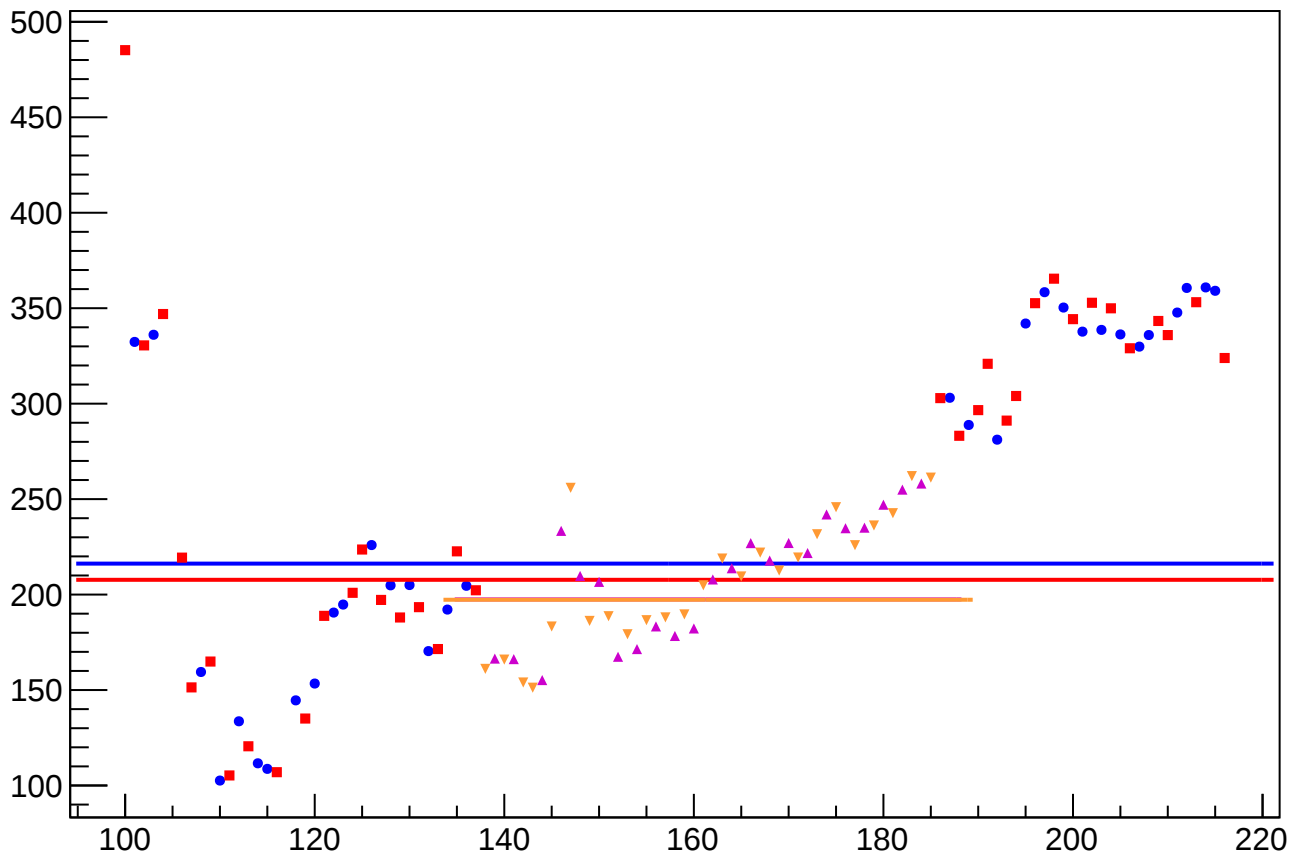
yield_bpm0l04WS_mean vs Slug



Right In: 134836.321 ± 0.057 $\chi^2/\text{NDF}: 5016601251.8/31$
 Left Out: 127472.525 ± 0.047 $\chi^2/\text{NDF}: 303609315.6/24$
 Right Out: 134893.695 ± 0.054 $\chi^2/\text{NDF}: 5660529429.2/34$
 Left In: 127406.911 ± 0.048 $\chi^2/\text{NDF}: 269927988.0/22$

+ sign 130447.333 ± 0.036 $\chi^2/\text{NDF}: 15298002761.0/24$
 All: 130589.512 ± 0.026 $\chi^2/\text{NDF}: 318985826.0/24$
 - sign 130730.822 ± 0.036 $\chi^2/\text{NDF}: 16569777509.2/24$

yield_bpm0l04WS_rms vs Slug



Right In: 216.219 ± 0.040 $\chi^2/\text{NDF}: 5123753.9/31$

Left Out: 197.289 ± 0.033 $\chi^2/\text{NDF}: 852024.1/24$

Right Out: 207.735 ± 0.038 $\chi^2/\text{NDF}: 5448639.5/34$

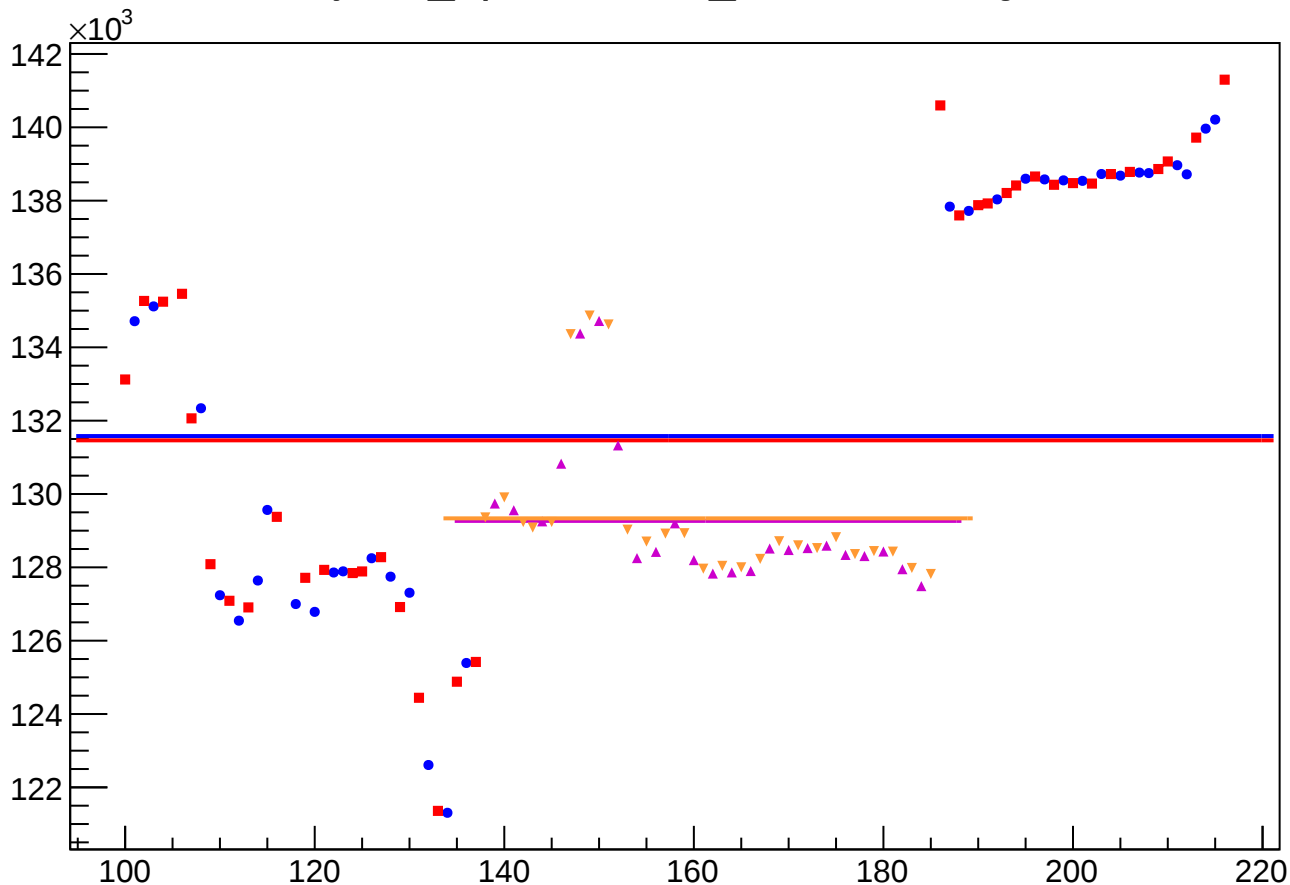
Left In: 197.471 ± 0.034 $\chi^2/\text{NDF}: 791577.5/22$

+ sign 204.937 ± 0.026 $\chi^2/\text{NDF}: 6107652.2/56$

All: 203.478 ± 0.018 $\chi^2/\text{NDF}: 12394345.2/11$

- sign 202.028 ± 0.026 $\chi^2/\text{NDF}: 6280207.1/57$

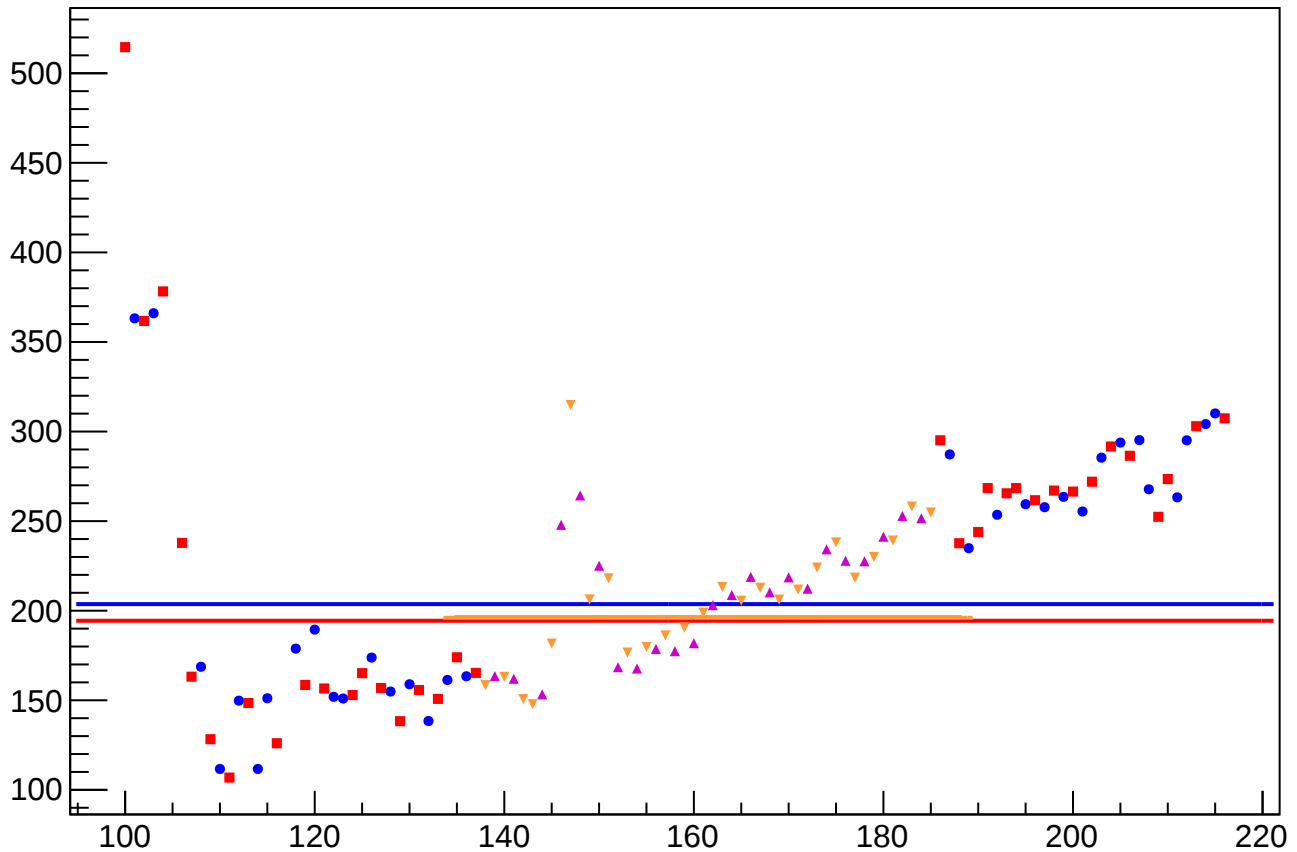
yield_bpm0l05WS_mean vs Slug



Right In: 131580.188 ± 0.052 $\chi^2/\text{NDF}: 13576127406.8/31$
 Left Out: 129335.946 ± 0.047 $\chi^2/\text{NDF}: 1450933621.0/24$
 Right Out: 131463.466 ± 0.049 $\chi^2/\text{NDF}: 14159846423.3/34$
 Left In: 129266.909 ± 0.048 $\chi^2/\text{NDF}: 1213762773.1/22$

+ sign 130338.178 ± 0.035 $\chi^2/\text{NDF}: 16057212416.0/24$
 All: 130338.277 ± 0.024 $\chi^2/\text{NDF}: 324457762.0/24$
 - sign 130338.376 ± 0.034 $\chi^2/\text{NDF}: 16388563840.5/24$

yield_bpm0l05WS_rms vs Slug



Right In: 203.681+/-0.037 χ^2/NDF : 3238684.8/31

Left Out: 196.077+/-0.033 χ^2/NDF : 975710.9/24

Right Out: 194.397+/-0.035 χ^2/NDF : 3785664.5/34

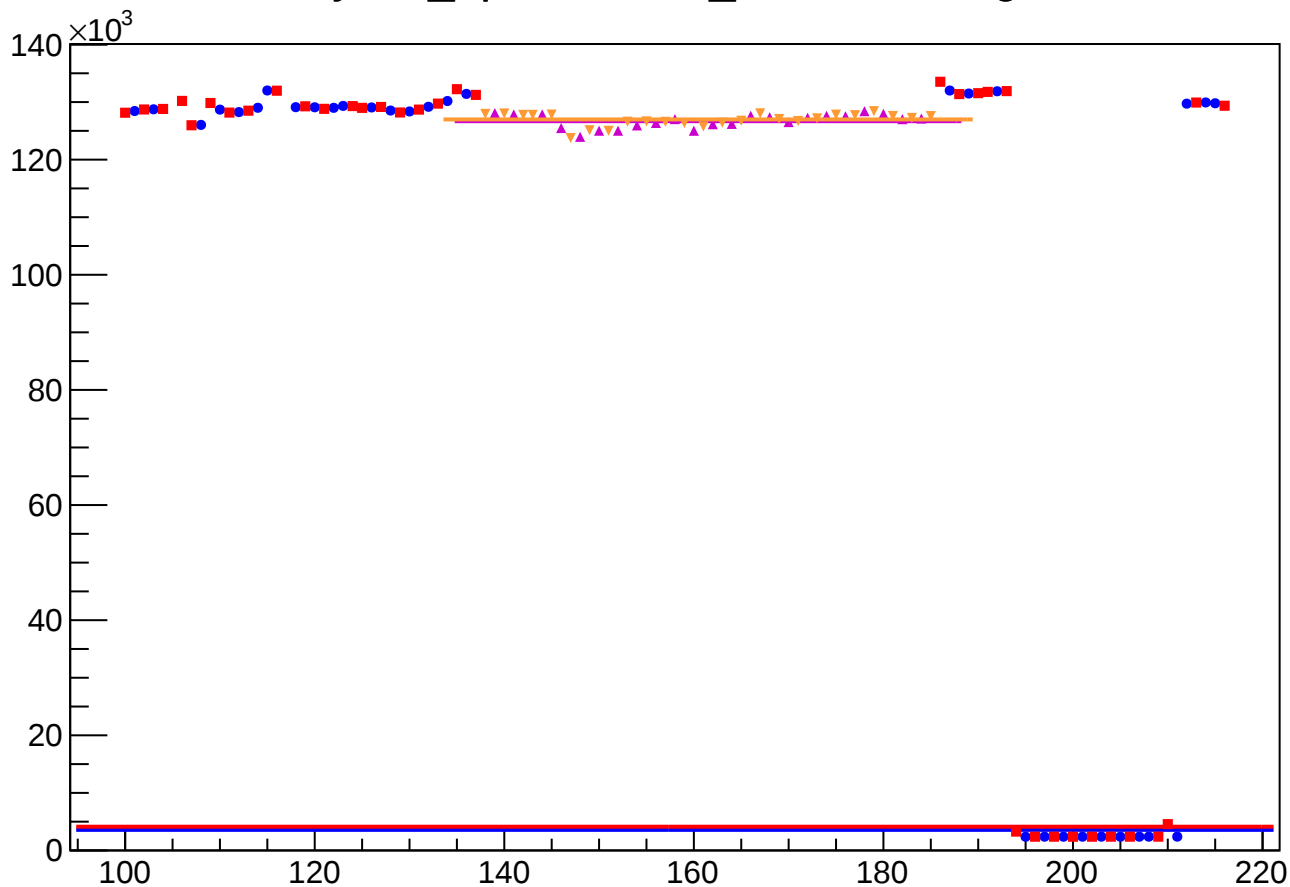
Left In: 196.186+/-0.034 χ^2/NDF : 898058.0/22

+ sign 199.473+/-0.025 χ^2/NDF : 4238044.7/56

All: 197.375+/-0.017 χ^2/NDF : 8937556.3/114

- sign 195.313+/-0.024 χ^2/NDF : 4685069.5/57

yield_bpm0l06WS_mean vs Slug



Right In: 3578.723 $\pm$ 0.005 χ^2 /NDF: 5294930021711.9/31

Left Out: 126981.724 $\pm$ 0.046 χ^2 /NDF: 530573115.8/24

Right Out: 4123.998 $\pm$ 0.006 χ^2 /NDF: 6071983998928.8/34

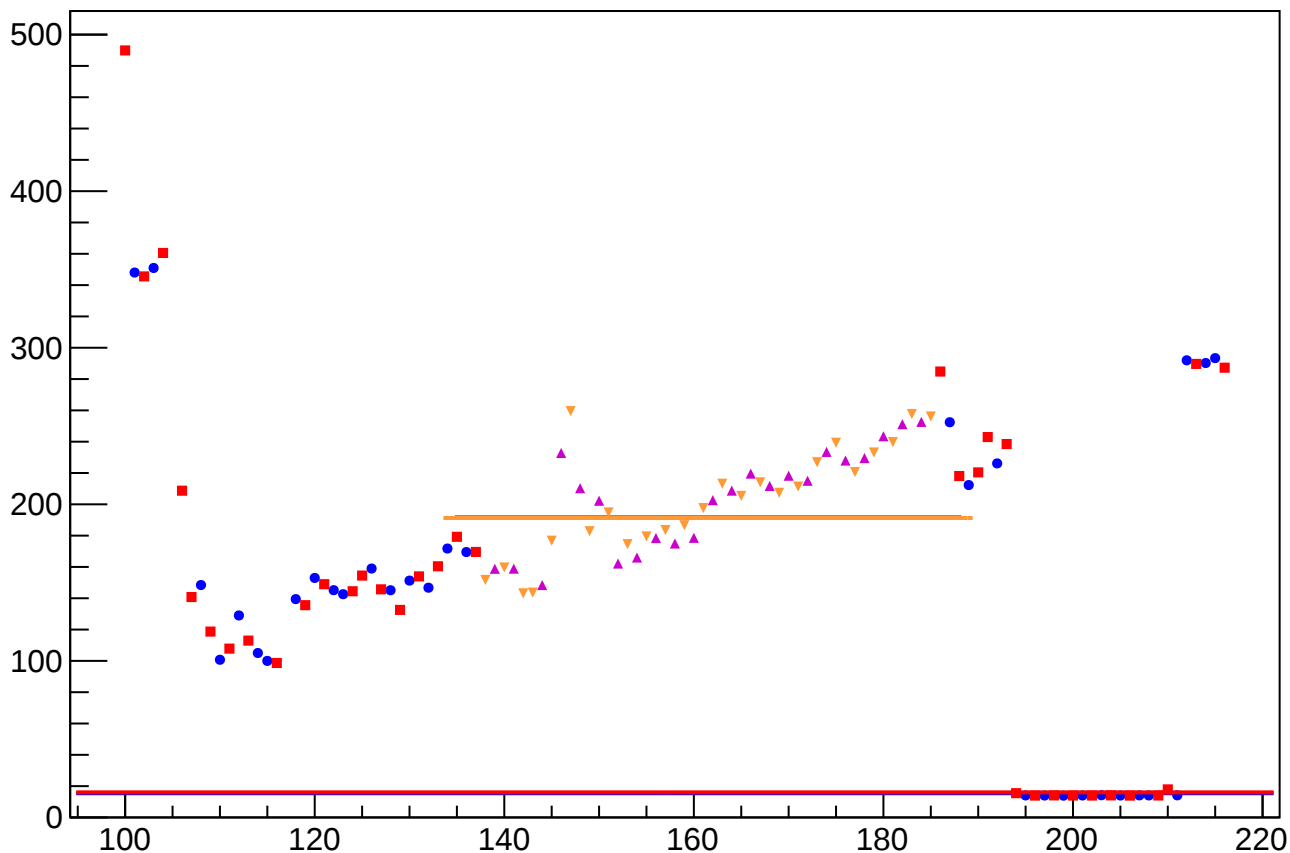
Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22

+ sign 5236.166 $\pm$ 0.005 χ^2 /NDF: 12545233066334

All: 5578.450 $\pm$ 0.004 χ^2 /NDF: 25325306158

- sign 5992.474 $\pm$ 0.006 χ^2 /NDF: 12770772335153

yield_bpm0l06WS_rms vs Slug



Right In: 15.468 $\pm$ 0.004 χ^2 /NDF: 17191713.2/31

Left Out: 191.263 $\pm$ 0.032 χ^2 /NDF: 992566.2/24

Right Out: 16.031 $\pm$ 0.004 χ^2 /NDF: 18046813.0/34

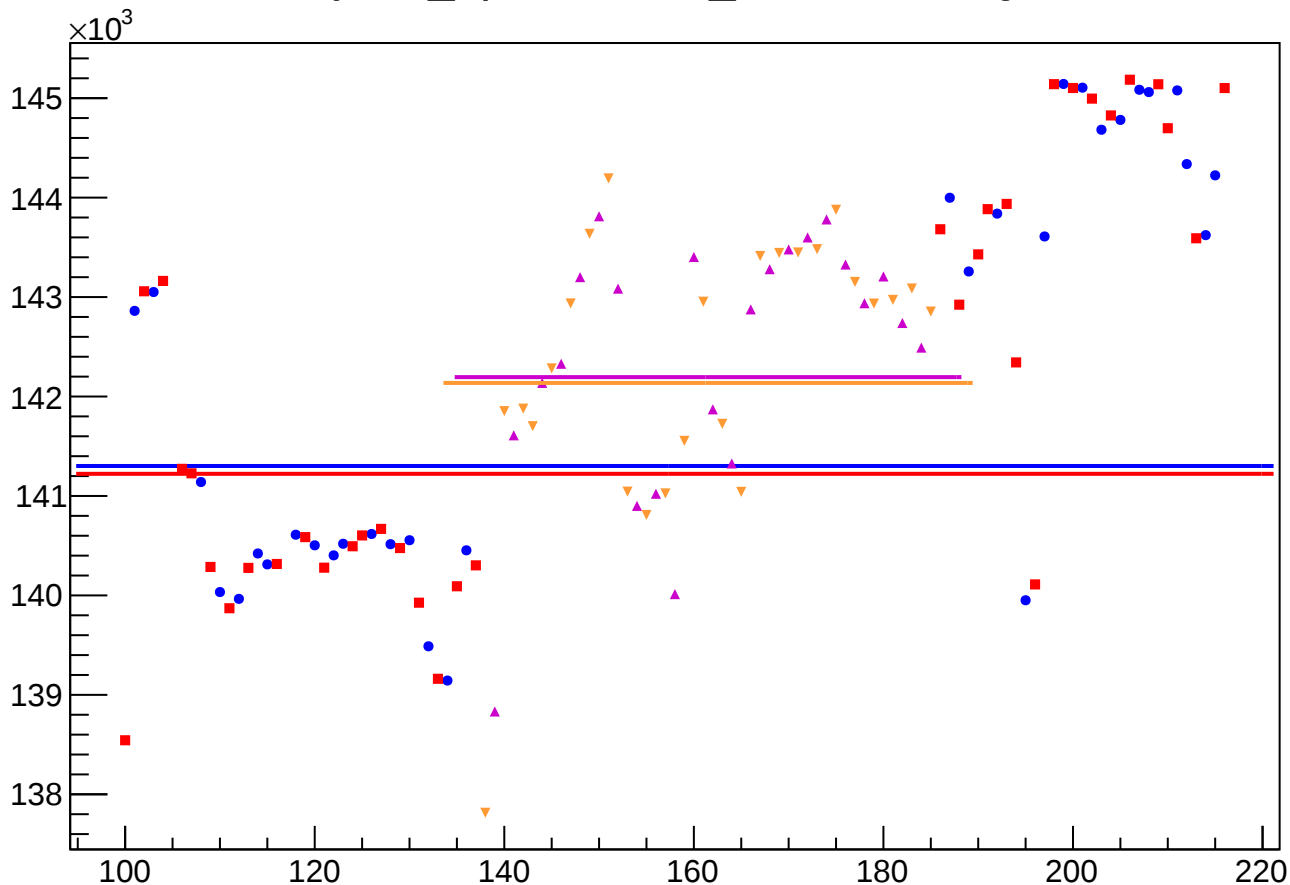
Left In: 191.683 $\pm$ 0.033 χ^2 /NDF: 864384.9/22

+ sign 17.829 $\pm$ 0.004 χ^2 /NDF: 47609364.9/56

All: 18.227 $\pm$ 0.003 χ^2 /NDF: 94062685.6/114

- sign 18.709 $\pm$ 0.004 χ^2 /NDF: 46428142.1/57

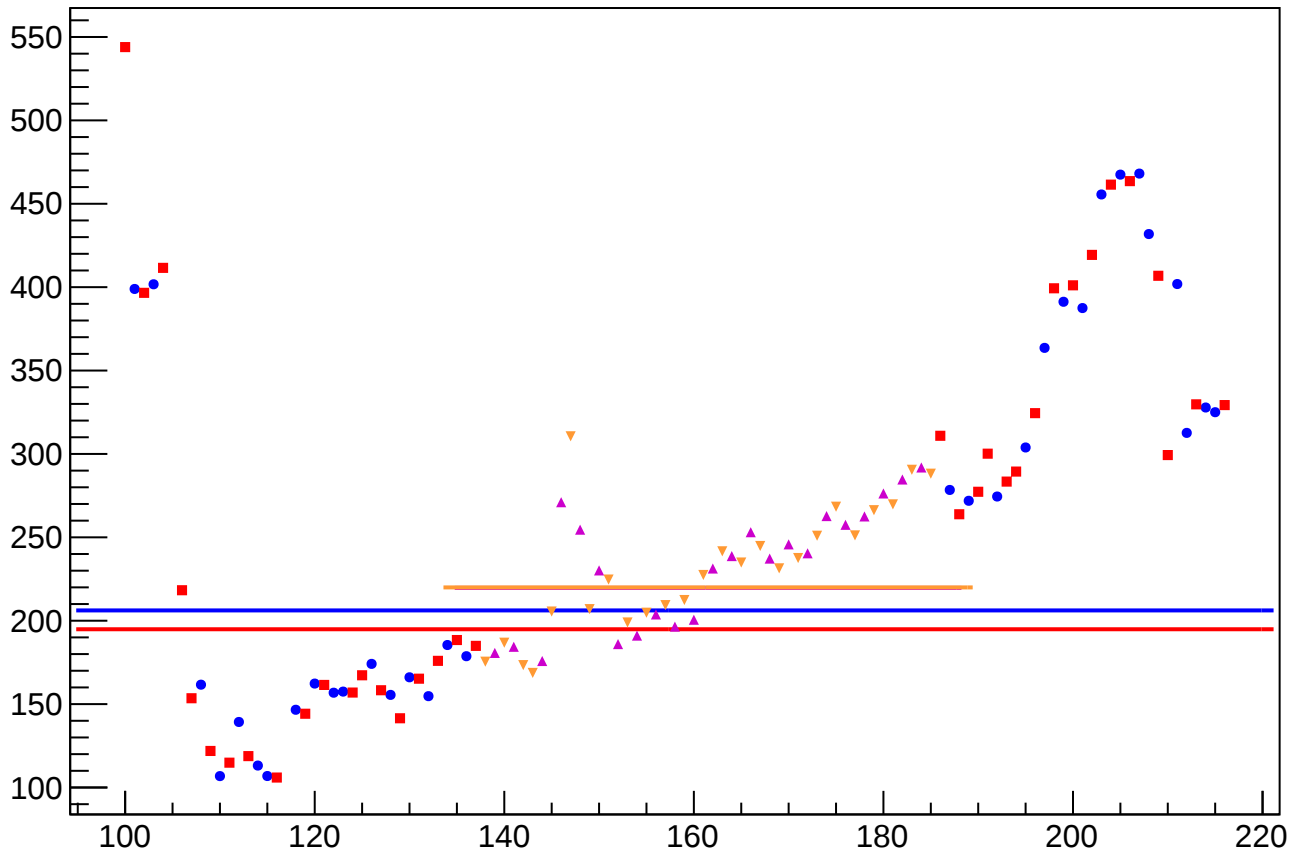
yield_bpm0l07WS_mean vs Slug



Right In: 141301.502 ± 0.055 $\chi^2/\text{NDF}: 1014895438.9/31$
 Left Out: 142136.579 ± 0.052 $\chi^2/\text{NDF}: 815573343.0/24$
 Right Out: 141222.692 ± 0.052 $\chi^2/\text{NDF}: 1079708164.6/34$
 Left In: 142195.020 ± 0.054 $\chi^2/\text{NDF}: 644030906.9/22$

+ sign 141742.781 ± 0.038 $\chi^2/\text{NDF}: 1950577833.2$
 All: 141715.425 ± 0.027 $\chi^2/\text{NDF}: 38448873$
 - sign 141689.112 ± 0.037 $\chi^2/\text{NDF}: 1893294734.3$

yield_bpm0l07WS_rms vs Slug



Right In: 206.176 ± 0.039 χ^2/NDF : 6418121.2/31

Left Out: 219.969 ± 0.037 χ^2/NDF : 866616.3/24

Right Out: 194.883 ± 0.037 χ^2/NDF : 6659252.9/34

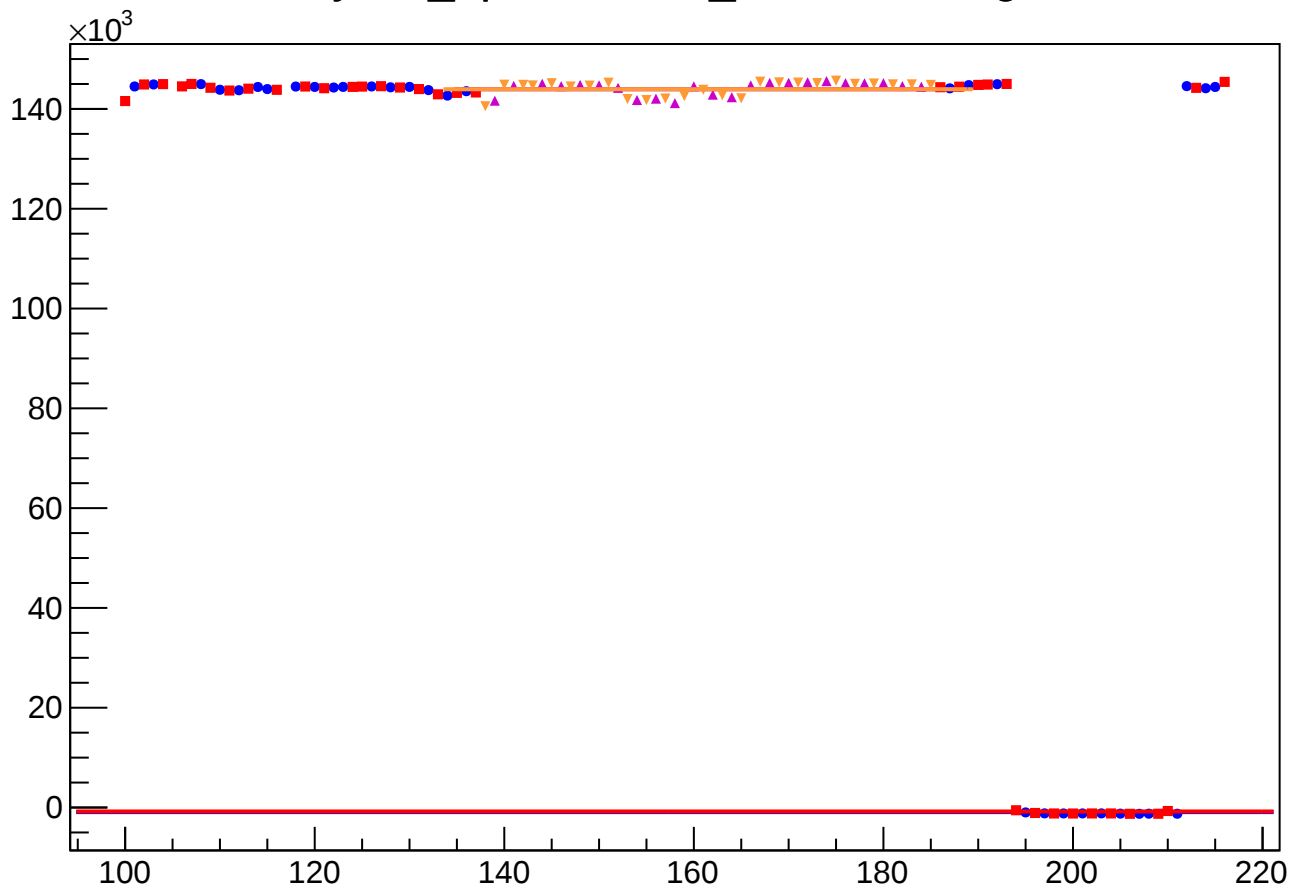
Left In: 219.685 ± 0.038 χ^2/NDF : 812745.1/22

+ sign 213.465 ± 0.027 χ^2/NDF : 7350275.5/56

All: 210.058 ± 0.019 χ^2/NDF : 15074384.6/11

- sign 206.780 ± 0.026 χ^2/NDF : 7692627.8/57

yield_bpm0l08WS_mean vs Slug



Right In: -919.741 ± 0.003 χ^2/NDF : 5736936268228.3/31

Left Out: 143951.284 ± 0.052 χ^2/NDF : 864679545.2/24

Right Out: -792.443 ± 0.003 χ^2/NDF : 6677526517084.5/34

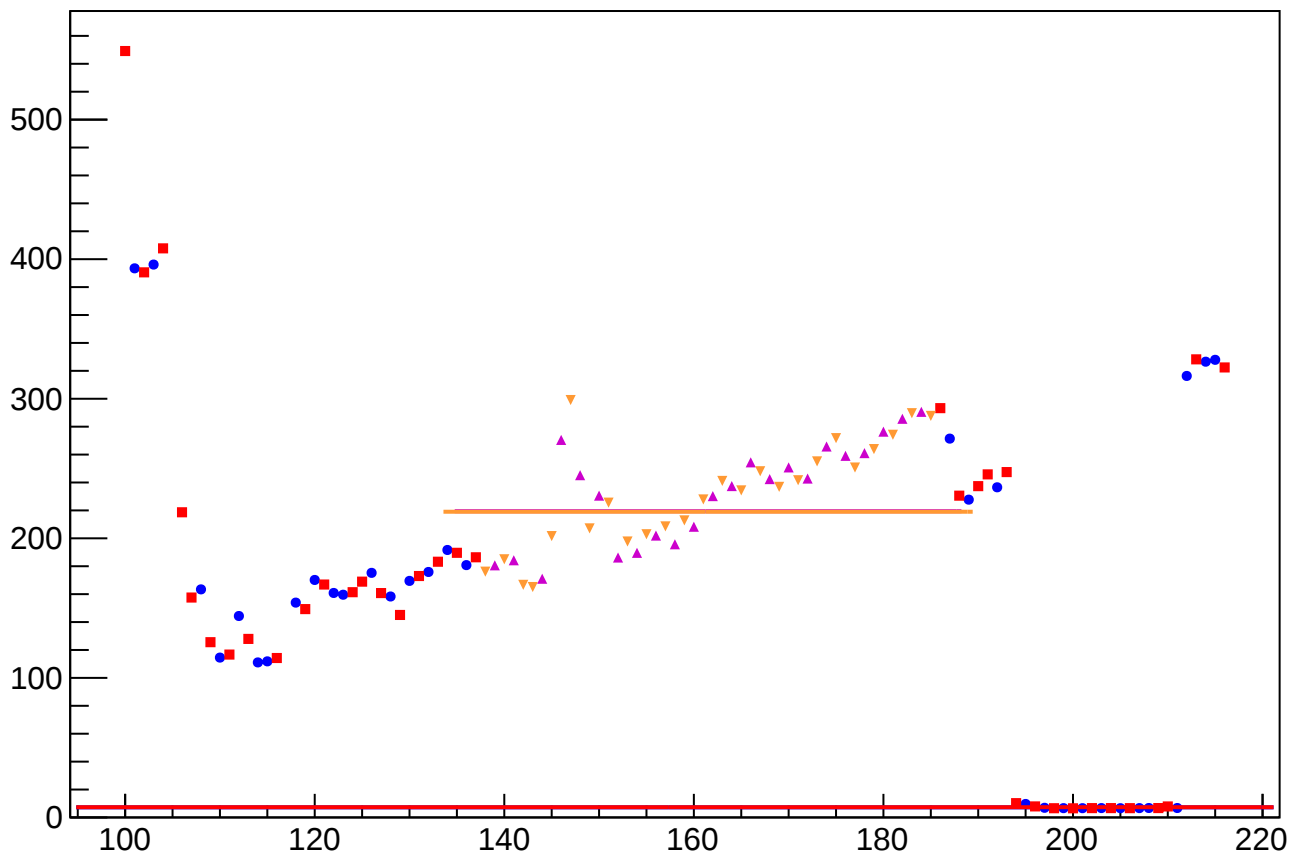
Left In: 143938.288 ± 0.054 χ^2/NDF : 719814685.6/22

+ sign -550.397 ± 0.003 χ^2/NDF : 13439461942137

All: -471.065 ± 0.002 χ^2/NDF : 27324794542

- sign -375.452 ± 0.003 χ^2/NDF : 13883329857668

yield_bpm0l08WS_rms vs Slug



Right In: 7.237 ± 0.002 χ^2/NDF : 19072564.9/31

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 7.337 ± 0.002 χ^2/NDF : 20094470.6/34

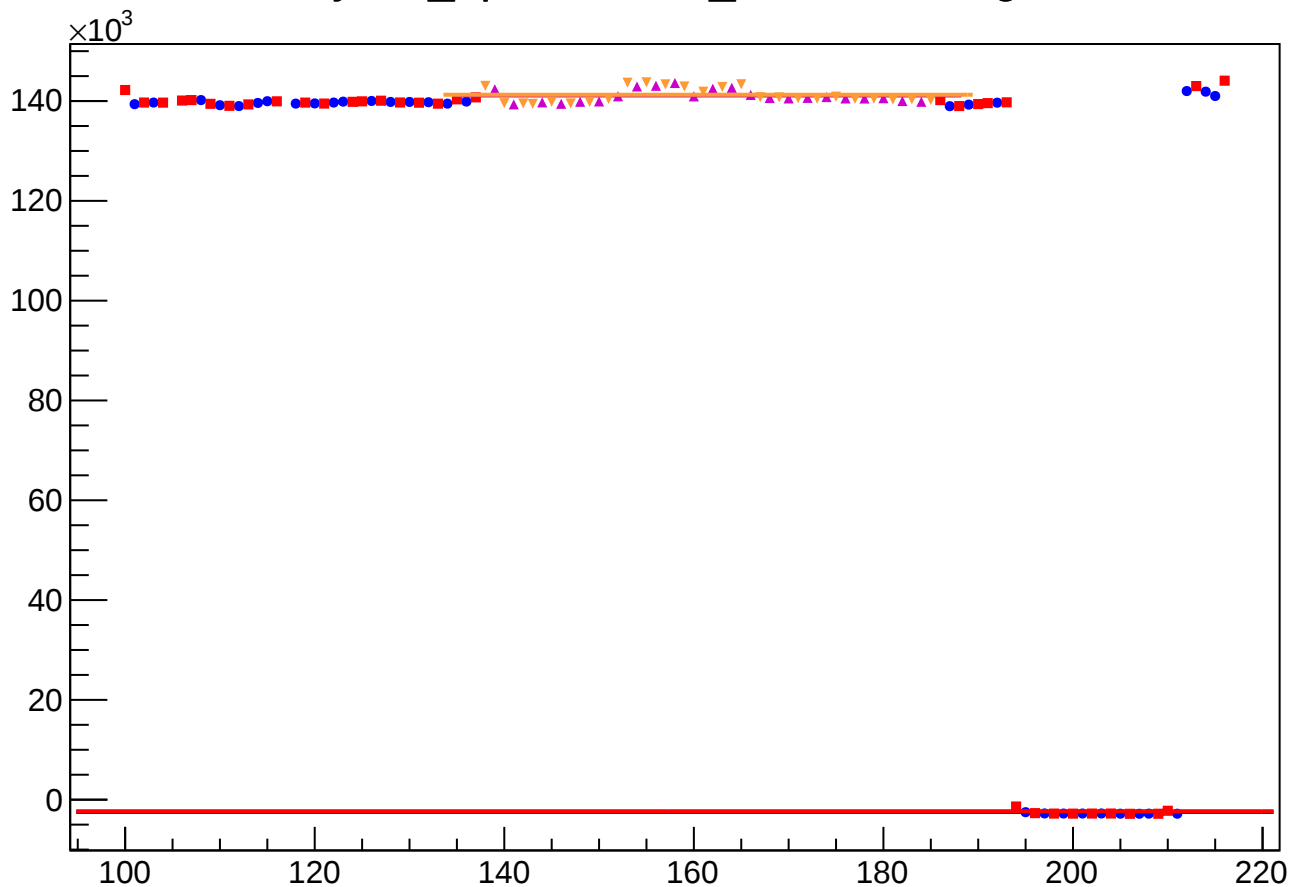
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 7.777 ± 0.002 χ^2/NDF : 52934086.2/56

All: 7.855 ± 0.001 χ^2/NDF : 104826885.3/114

- sign 7.948 ± 0.002 χ^2/NDF : 51888984.9/57

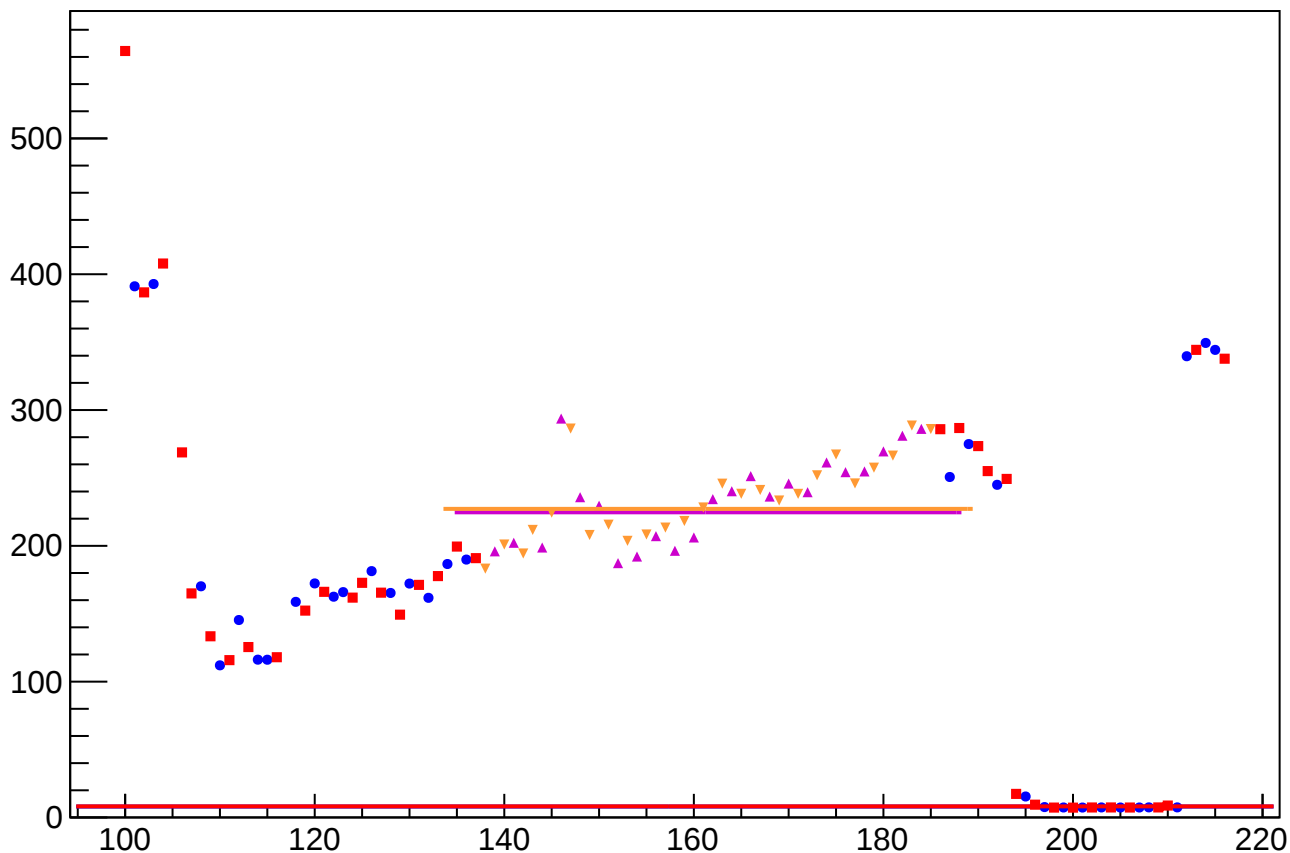
yield_bpm0l09WS_mean vs Slug



Right In: -2458.922 ± 0.003 $\chi^2/\text{NDF}: 5245568962203.0/31$
 Left Out: 141268.791 ± 0.054 $\chi^2/\text{NDF}: 795989244.2/24$
 Right Out: -2318.613 ± 0.003 $\chi^2/\text{NDF}: 6041947629939.4/34$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$

+ sign -2026.581 ± 0.003 $\chi^2/\text{NDF}: 1238870681577$
 All: -1933.446 ± 0.002 $\chi^2/\text{NDF}: 2523232445$
 - sign -1821.149 ± 0.003 $\chi^2/\text{NDF}: 12841411876872$

yield_bpm0l09WS_rms vs Slug



Right In: 8.034 ± 0.002 χ^2/NDF : 19208002.3/31

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 8.164 ± 0.002 χ^2/NDF : 20125691.7/34

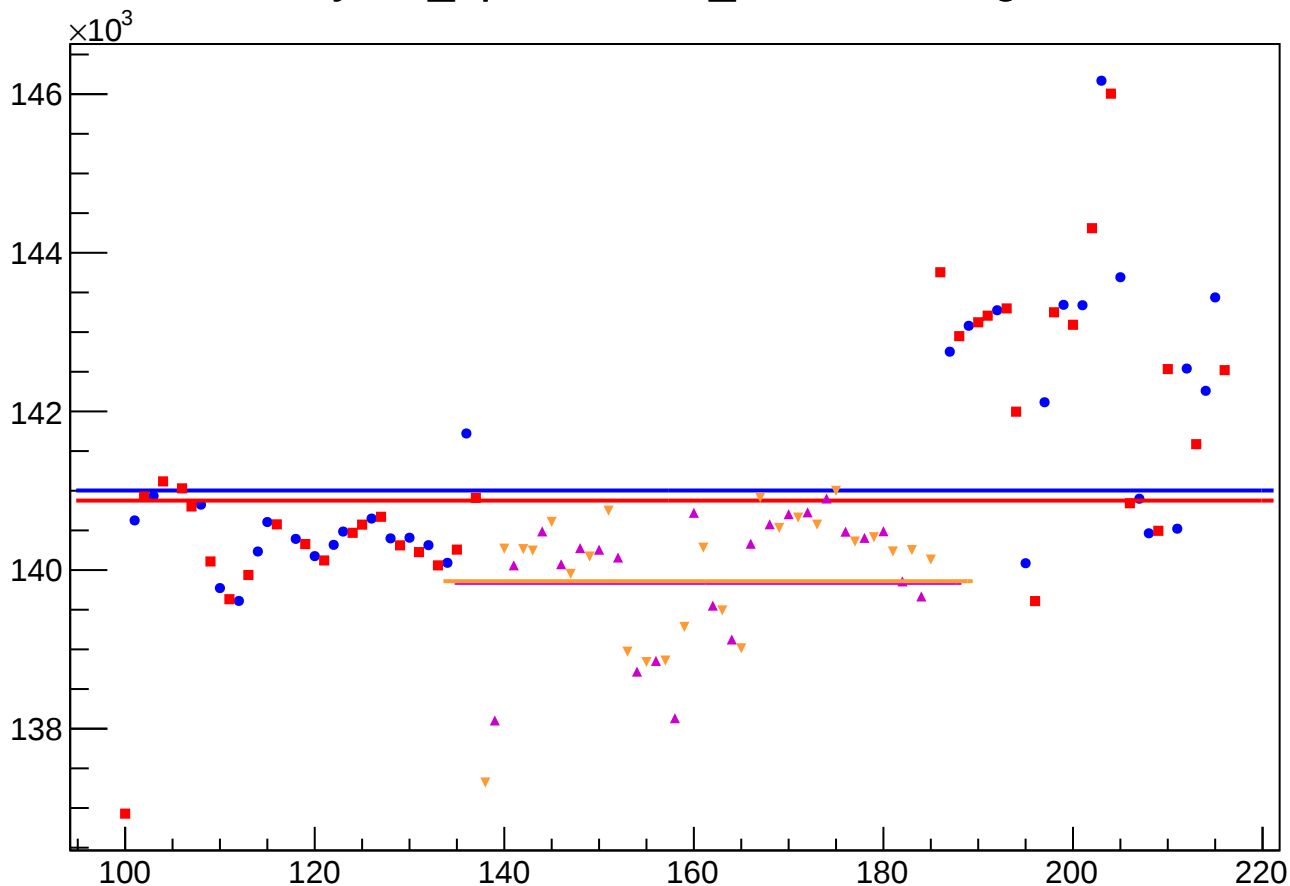
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 8.694 ± 0.002 χ^2/NDF : 52915252.3/56

All: 8.794 ± 0.002 χ^2/NDF : 104609014.2/114

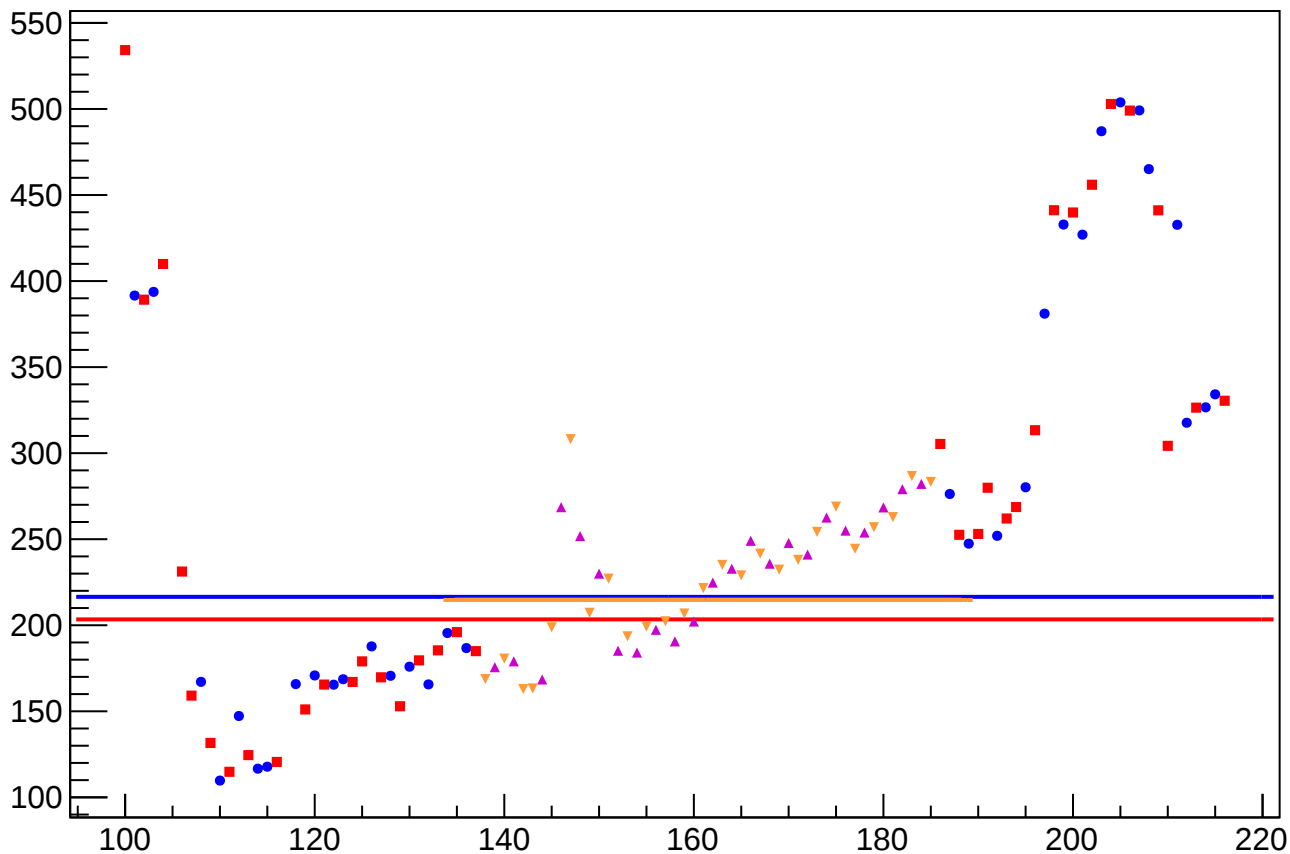
- sign 8.915 ± 0.002 χ^2/NDF : 51688655.8/57

yield_bpm0l10WS_mean vs Slug



Right In: 141003.084 $\pm$ 0.058 χ^2/NDF : 497751982.8/31
 Left Out: 139859.696 $\pm$ 0.051 χ^2/NDF : 330118281.5/24
 Right Out: 140876.034 $\pm$ 0.054 χ^2/NDF : 545842590.1/34
 Left In: 139838.724 $\pm$ 0.053 χ^2/NDF : 279573689.3/22

yield_bpm0l10WS_rms vs Slug



Right In: 216.503 $\pm$ 0.041 χ^2 /NDF: 6098005.6/31

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 203.411 $\pm$ 0.038 χ^2 /NDF: 6236429.0/34

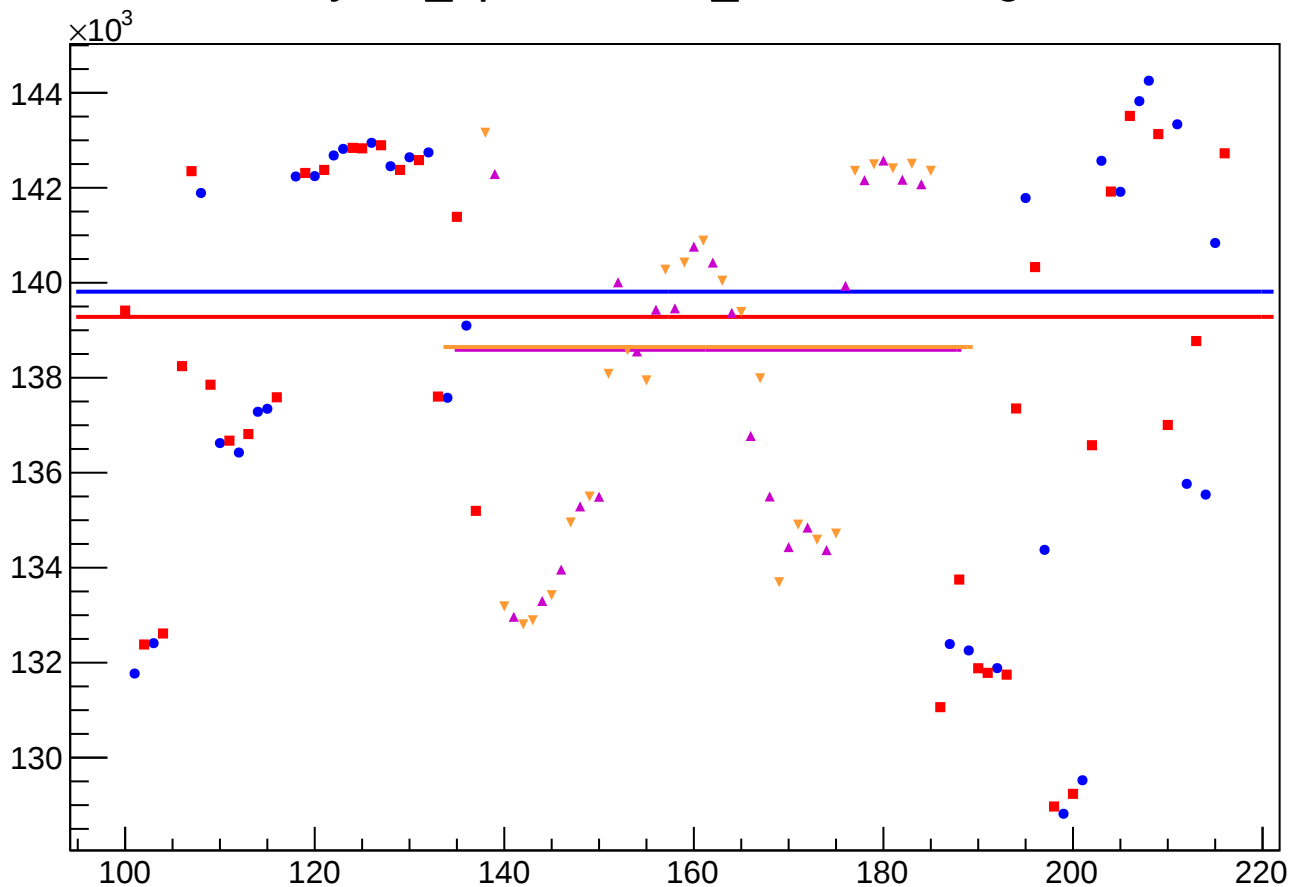
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 215.485 $\pm$ 0.027 χ^2 /NDF: 7080210.1/56

All: 212.392 $\pm$ 0.019 χ^2 /NDF: 14273417.6/1

- sign 209.410 $\pm$ 0.027 χ^2 /NDF: 7167620.3/57

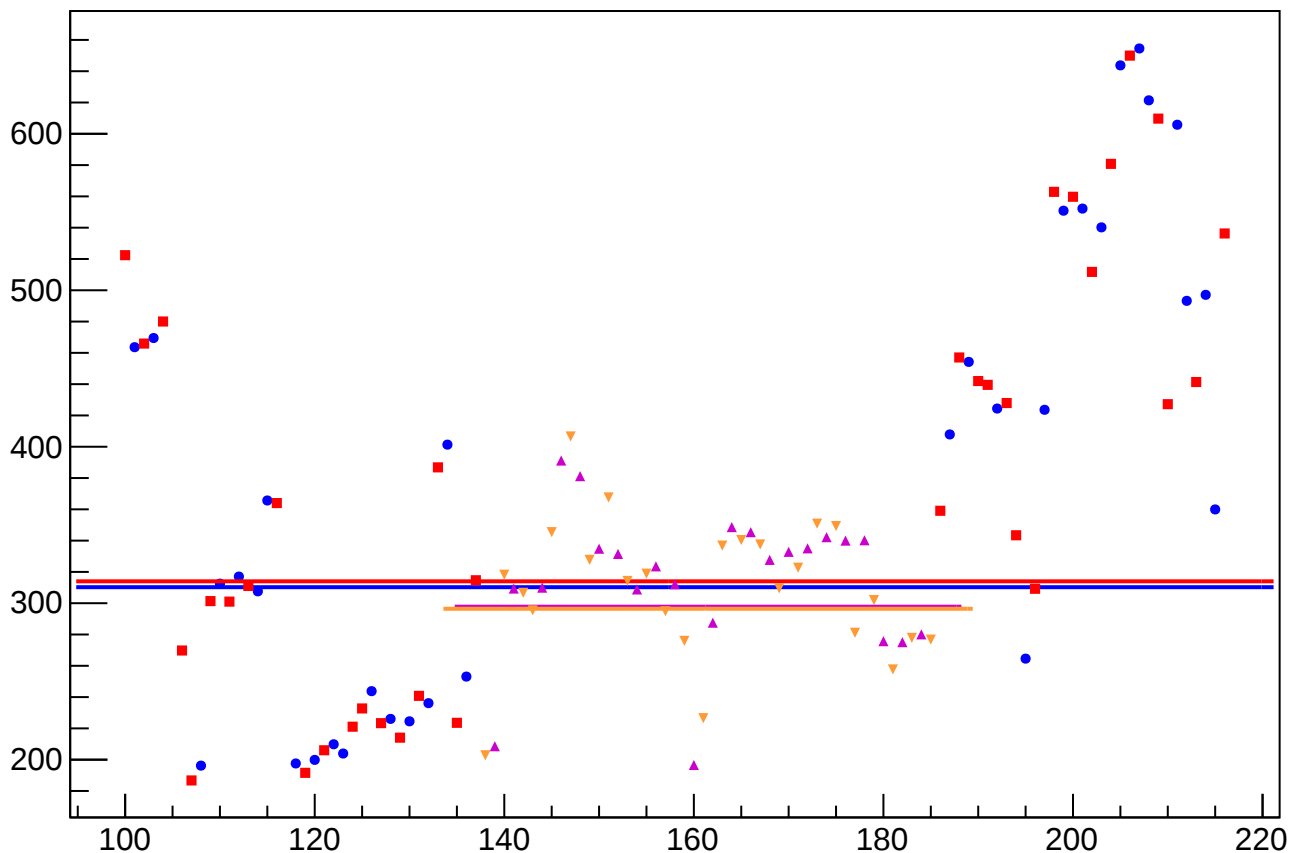
yield_bpm0r03WS_mean vs Slug



Right In: 139812.768 ± 0.082 $\chi^2/\text{NDF}: 2392743172.9/31$
 Left Out: 138646.366 ± 0.071 $\chi^2/\text{NDF}: 2548637600.4/24$
 Right Out: 139281.656 ± 0.081 $\chi^2/\text{NDF}: 2462835495.8/34$
 Left In: 138588.711 ± 0.074 $\chi^2/\text{NDF}: 1948065195.1/22$

+ sign 139146.488 ± 0.054 $\chi^2/\text{NDF}: 5057590045.8$
 All: 139026.688 ± 0.038 $\chi^2/\text{NDF}: 951877514$
 - sign 138902.714 ± 0.054 $\chi^2/\text{NDF}: 4451000369.3/22$

yield_bpm0r03WS_rms vs Slug



Right In: 310.235 ± 0.058 $\chi^2/\text{NDF}: 4967540.4/31$

Left Out: 296.464 ± 0.050 $\chi^2/\text{NDF}: 893579.7/24$

Right Out: 313.985 ± 0.057 $\chi^2/\text{NDF}: 4611556.3/34$

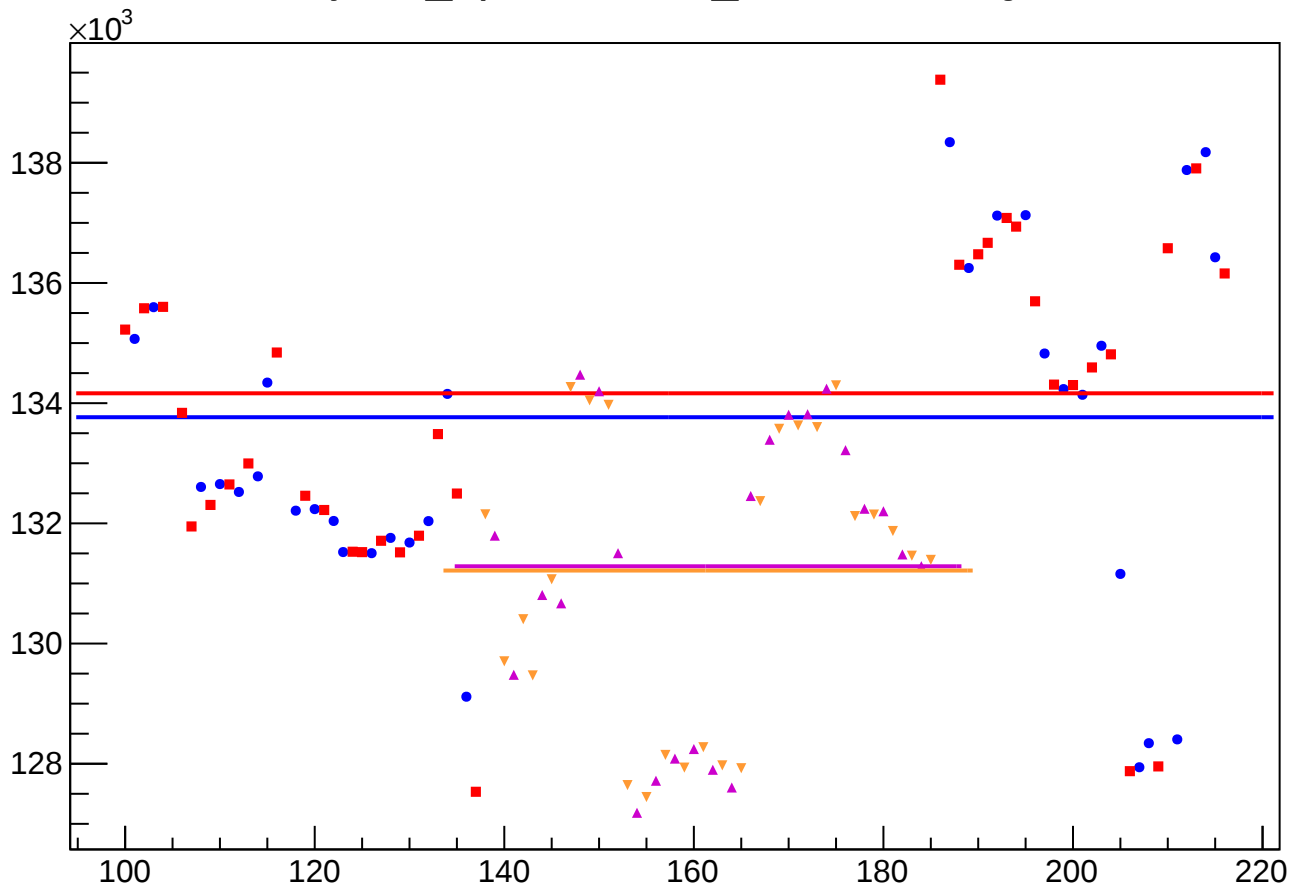
Left In: 297.774 ± 0.052 $\chi^2/\text{NDF}: 1061489.5/22$

+ sign 302.369 ± 0.038 $\chi^2/\text{NDF}: 5893516.4/56$

All: 303.721 ± 0.027 $\chi^2/\text{NDF}: 11613048.8/116$

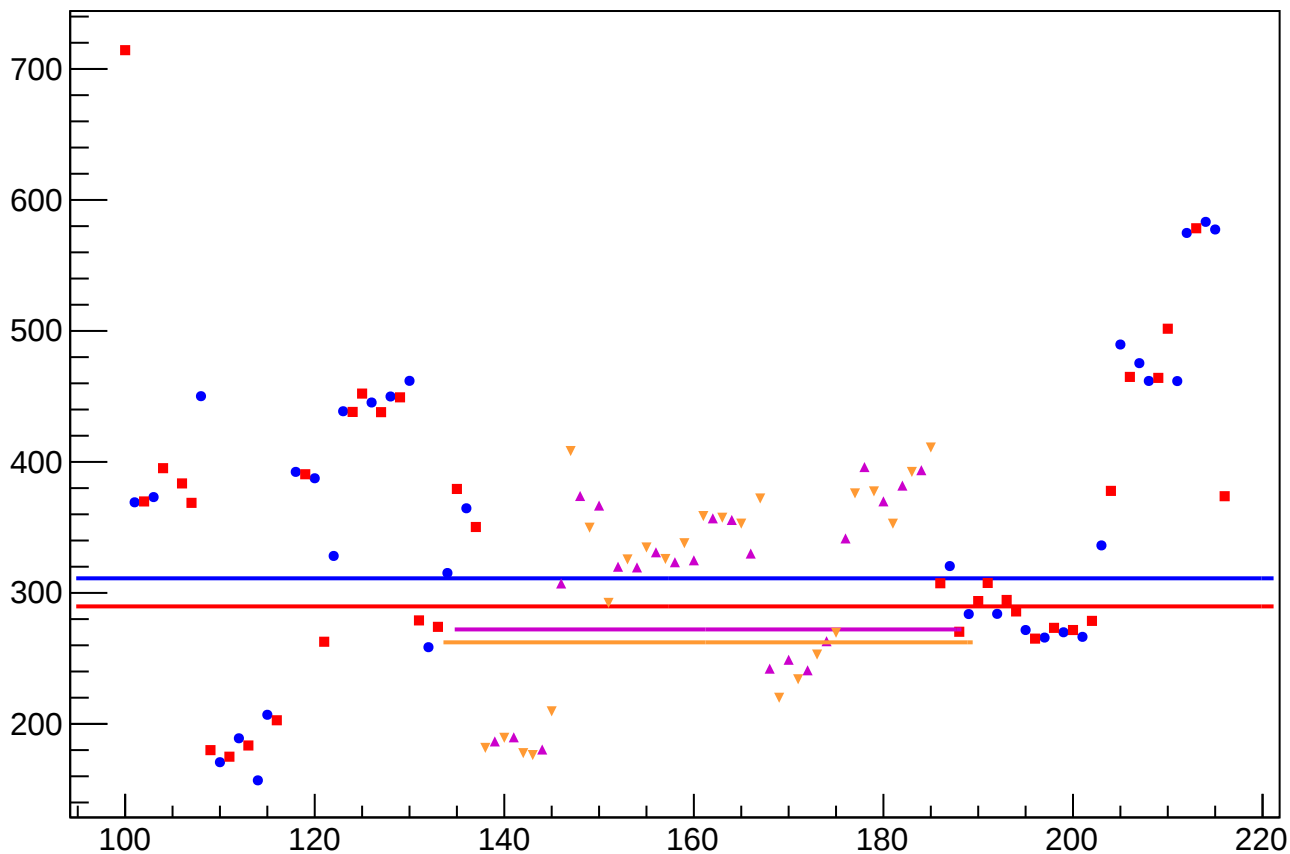
- sign 305.120 ± 0.039 $\chi^2/\text{NDF}: 5716938.0/57$

yield_bpm0r05WS_mean vs Slug



Right In: 133766.284 $\pm$ 0.079	χ^2 /NDF: 1033776162.3/31	+ sign 132226.356 $\pm$ 0.050	χ^2 /NDF: 2830985899.2
Left Out: 131214.985 $\pm$ 0.064	χ^2 /NDF: 1173424494.6/24	All: 132431.968 $\pm$ 0.035	χ^2 /NDF: 579585250
Right Out: 134164.243 $\pm$ 0.073	χ^2 /NDF: 1042386170.3/34	- sign 132636.112 $\pm$ 0.050	χ^2 /NDF: 2931122658.5/
Left In: 131285.623 $\pm$ 0.068	χ^2 /NDF: 1056232192.1/22		

yield_bpm0r05WS_rms vs Slug



Right In: 311.140 $\pm$ 0.056 χ^2 /NDF: 3418751.2/31

Left Out: 262.260 $\pm$ 0.045 χ^2 /NDF: 2818169.1/24

Right Out: 289.702 $\pm$ 0.051 χ^2 /NDF: 3002853.8/34

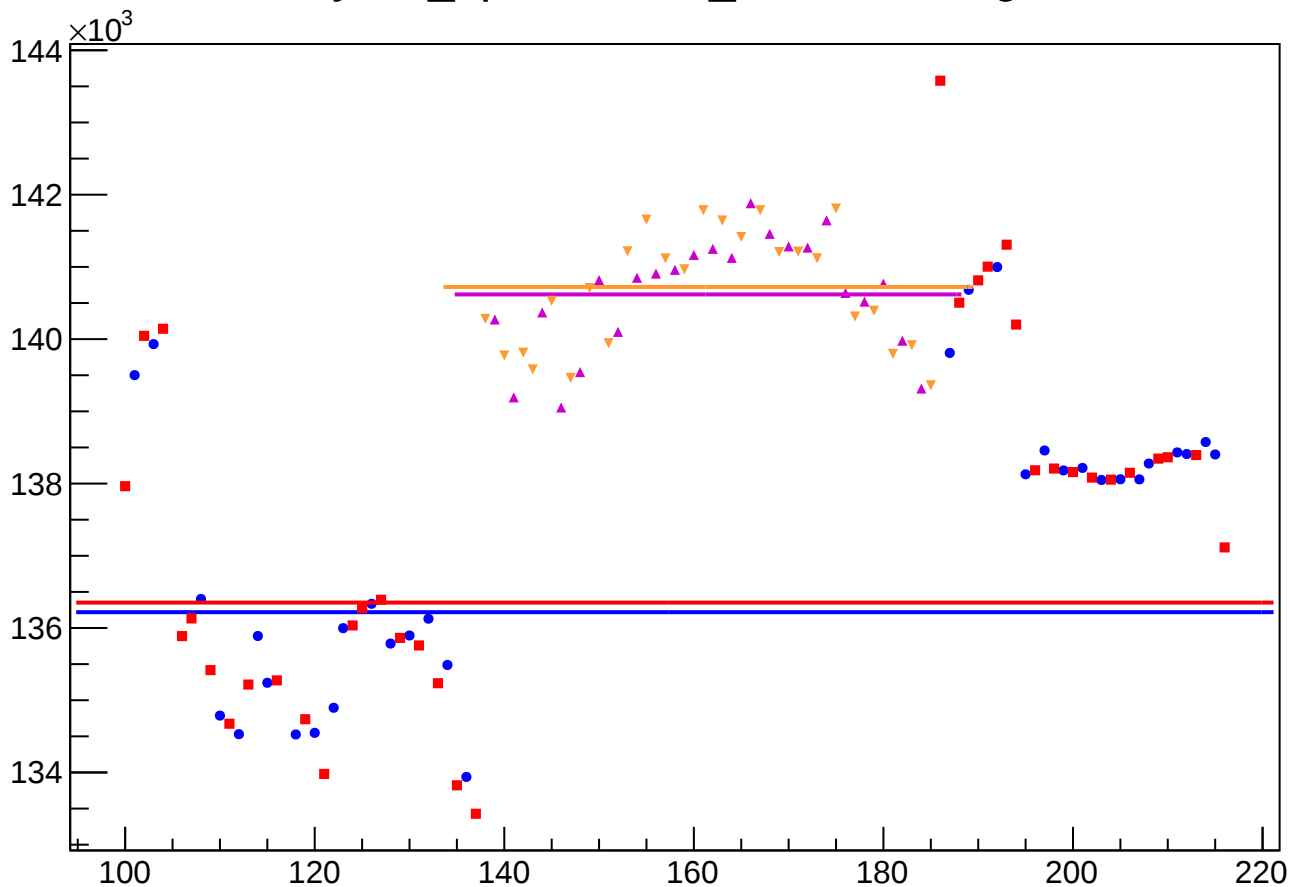
Left In: 272.115 $\pm$ 0.048 χ^2 /NDF: 2221925.0/22

+ sign 281.637 $\pm$ 0.035 χ^2 /NDF: 6694865.6/56

All: 280.999 $\pm$ 0.025 χ^2 /NDF: 11982445.0/119

- sign 280.366 $\pm$ 0.035 χ^2 /NDF: 5286930.3/57

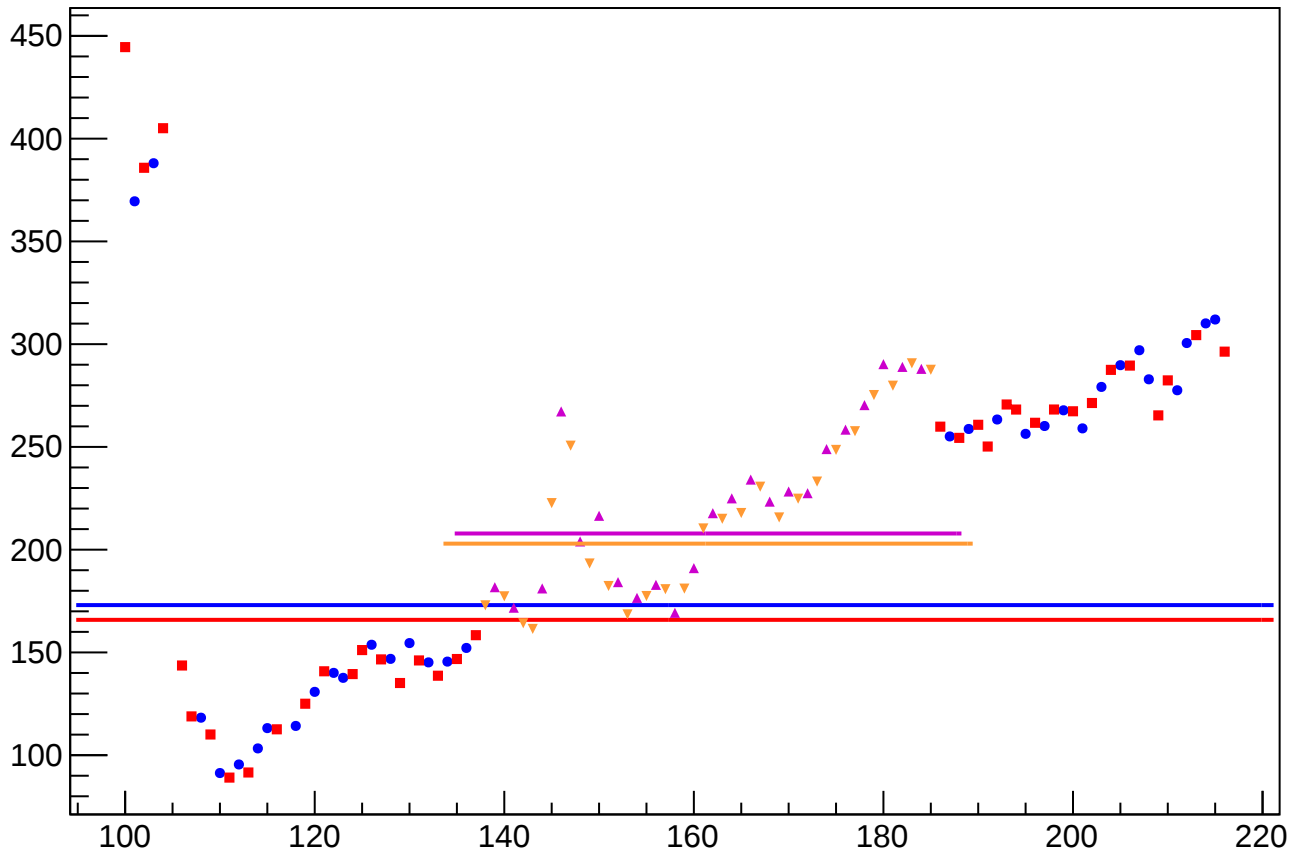
yield_bpm0i02WS_mean vs Slug



Right In: 136219.267 ± 0.046 $\chi^2/\text{NDF}: 1665082488.4/31$
 Left Out: 140721.823 ± 0.048 $\chi^2/\text{NDF}: 247257762.8/24$
 Right Out: 136352.136 ± 0.044 $\chi^2/\text{NDF}: 2215308187.2/34$
 Left In: 140619.038 ± 0.051 $\chi^2/\text{NDF}: 200370178.0/22$

+ sign 138347.855 ± 0.033 $\chi^2/\text{NDF}: 6474031166.0/24$
 All: 138248.238 ± 0.023 $\chi^2/\text{NDF}: 129454395.0/24$
 - sign 138149.386 ± 0.033 $\chi^2/\text{NDF}: 6453560634.5/24$

yield_bpm0i02WS_rms vs Slug



Right In: 173.030+/-0.032 χ^2/NDF : 5667780.4/31

Left Out: 202.934+/-0.034 χ^2/NDF : 1052283.6/24

Right Out: 165.856+/-0.031 χ^2/NDF : 6009561.6/34

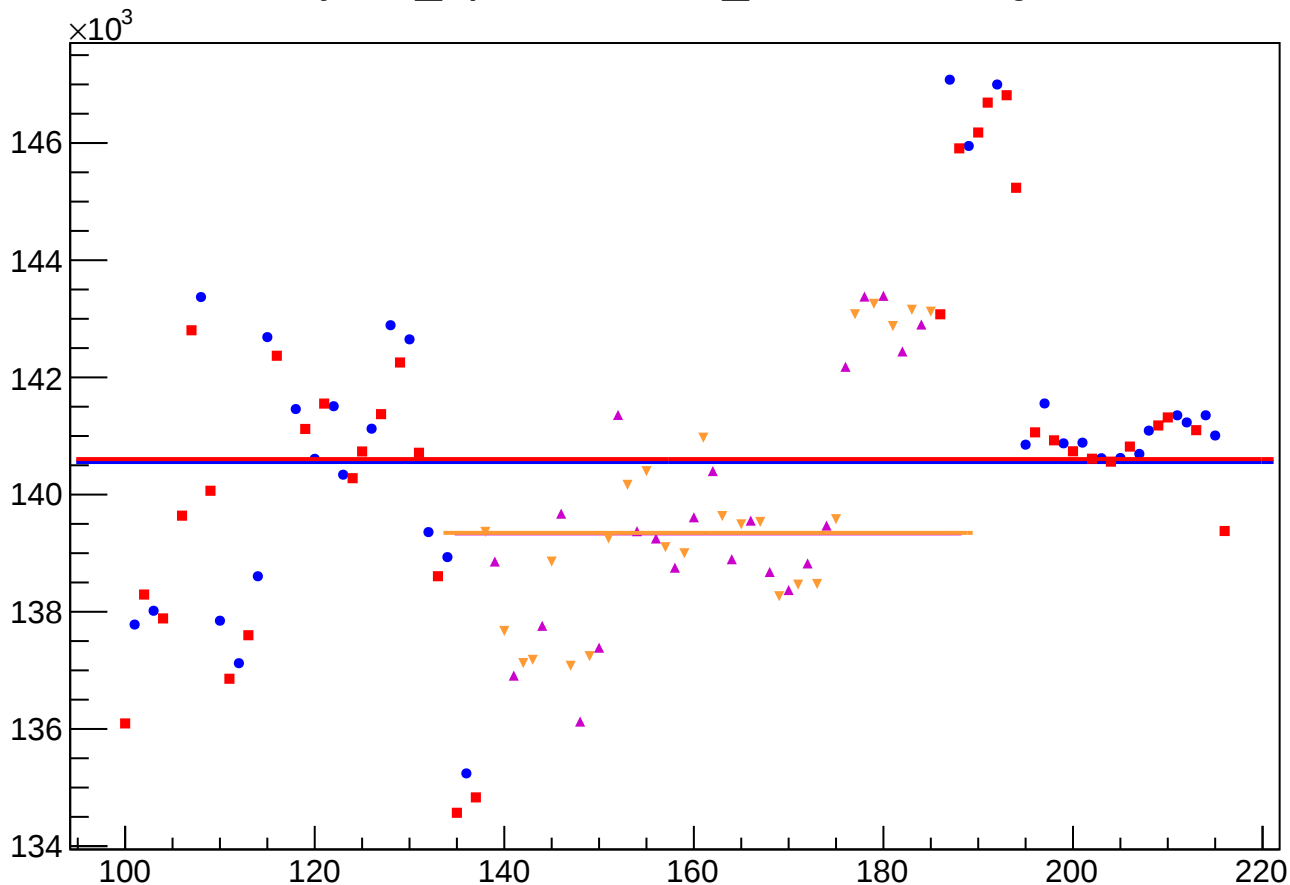
Left In: 207.872+/-0.036 χ^2/NDF : 949200.3/22

+ sign 187.167+/-0.024 χ^2/NDF : 7122503.4/56

All: 185.353+/-0.017 χ^2/NDF : 14876130.3/11

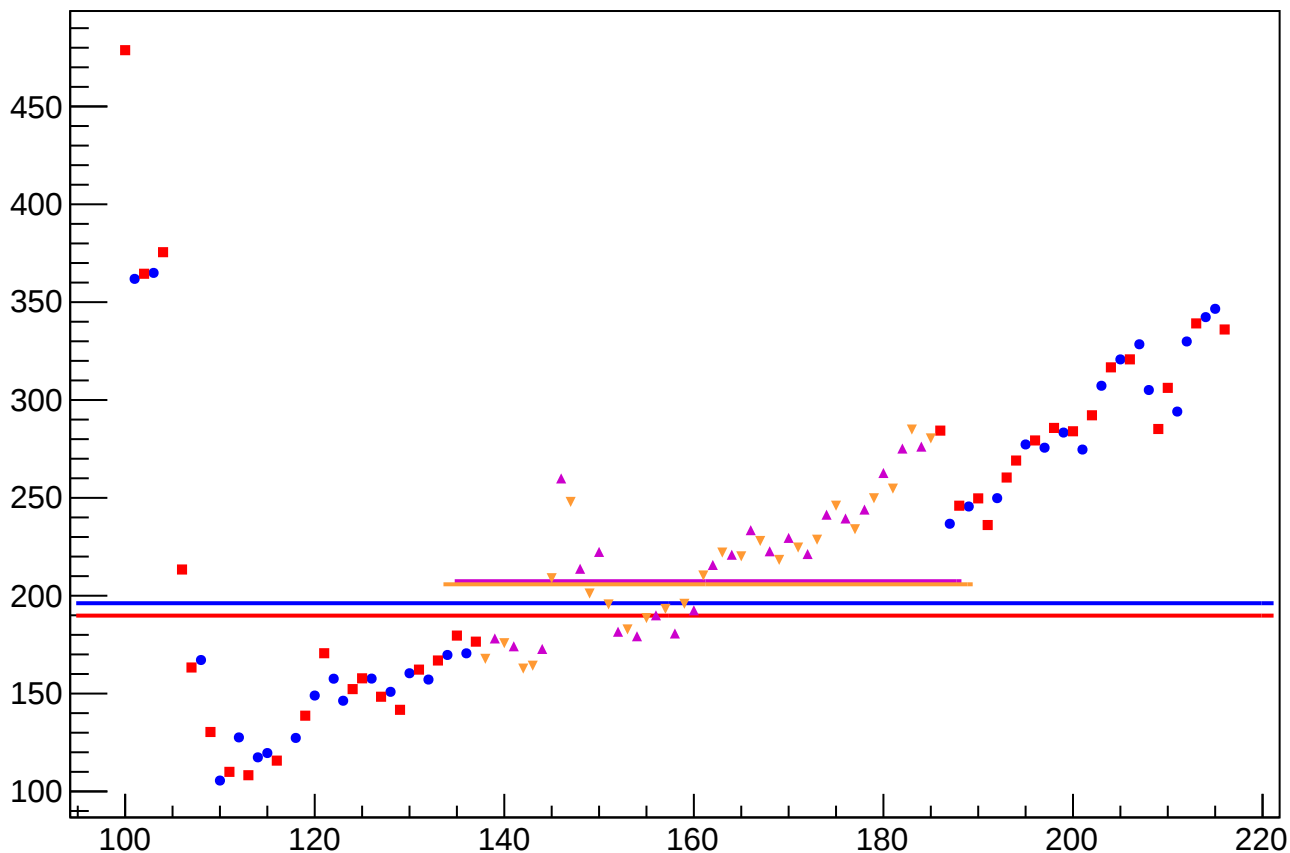
- sign 183.554+/-0.023 χ^2/NDF : 7741793.7/57

yield_bpm0i02aWS_mean vs Slug



Right In: 140555.658 ± 0.051 $\chi^2/\text{NDF}: 2788503152.7/31$
 Left Out: 139346.604 ± 0.049 $\chi^2/\text{NDF}: 1271172976.7/24$
 Right Out: 140605.723 ± 0.049 $\chi^2/\text{NDF}: 3228577038.3/34$
 Left In: 139337.874 ± 0.051 $\chi^2/\text{NDF}: 1293003954.9/22$
 All: 139961.189 ± 0.025 $\chi^2/\text{NDF}: 919836353.7/100$
 + sign 139925.764 ± 0.035 $\chi^2/\text{NDF}: 4351735099.7/100$
 - sign 139996.417 ± 0.035 $\chi^2/\text{NDF}: 4844624684.2/100$

yield_bpm0i02aWS_rms vs Slug



Right In: 196.167+/-0.036 χ^2/NDF : 4609887.2/31

Left Out: 205.833+/-0.035 χ^2/NDF : 738666.4/24

Right Out: 189.832+/-0.035 χ^2/NDF : 4828732.7/34

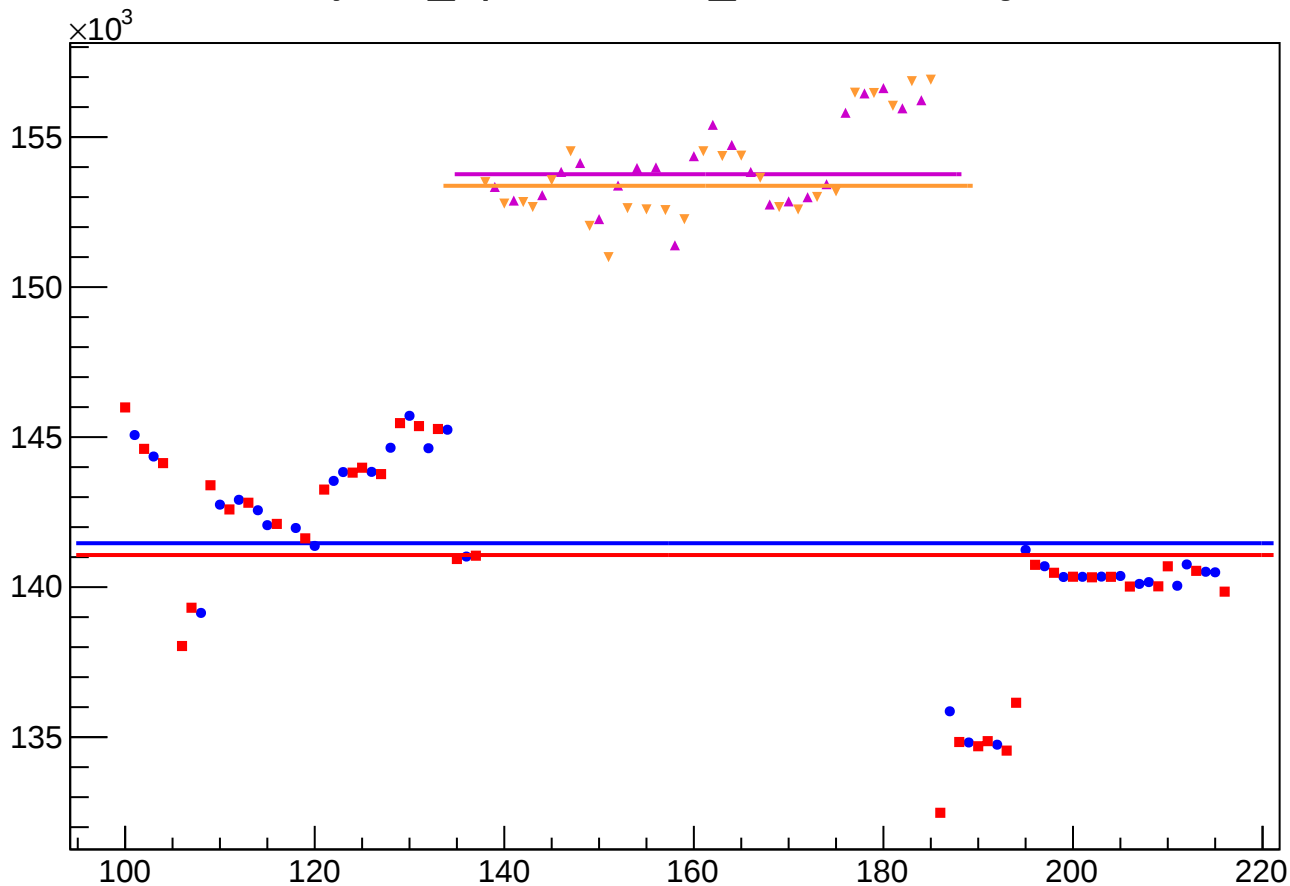
Left In: 207.416+/-0.036 χ^2/NDF : 701955.3/22

+ sign 201.203+/-0.025 χ^2/NDF : 5385882.4/56

All: 199.739+/-0.018 χ^2/NDF : 11047691.9/110

- sign 198.283+/-0.025 χ^2/NDF : 5654964.0/57

yield_bpm0i05WS_mean vs Slug



Right In: 141463.517 $\pm$ 0.051 χ^2 /NDF: 2749261135.6/31

Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24

Right Out: 141069.726 $\pm$ 0.048 χ^2 /NDF: 4456866943.9/34

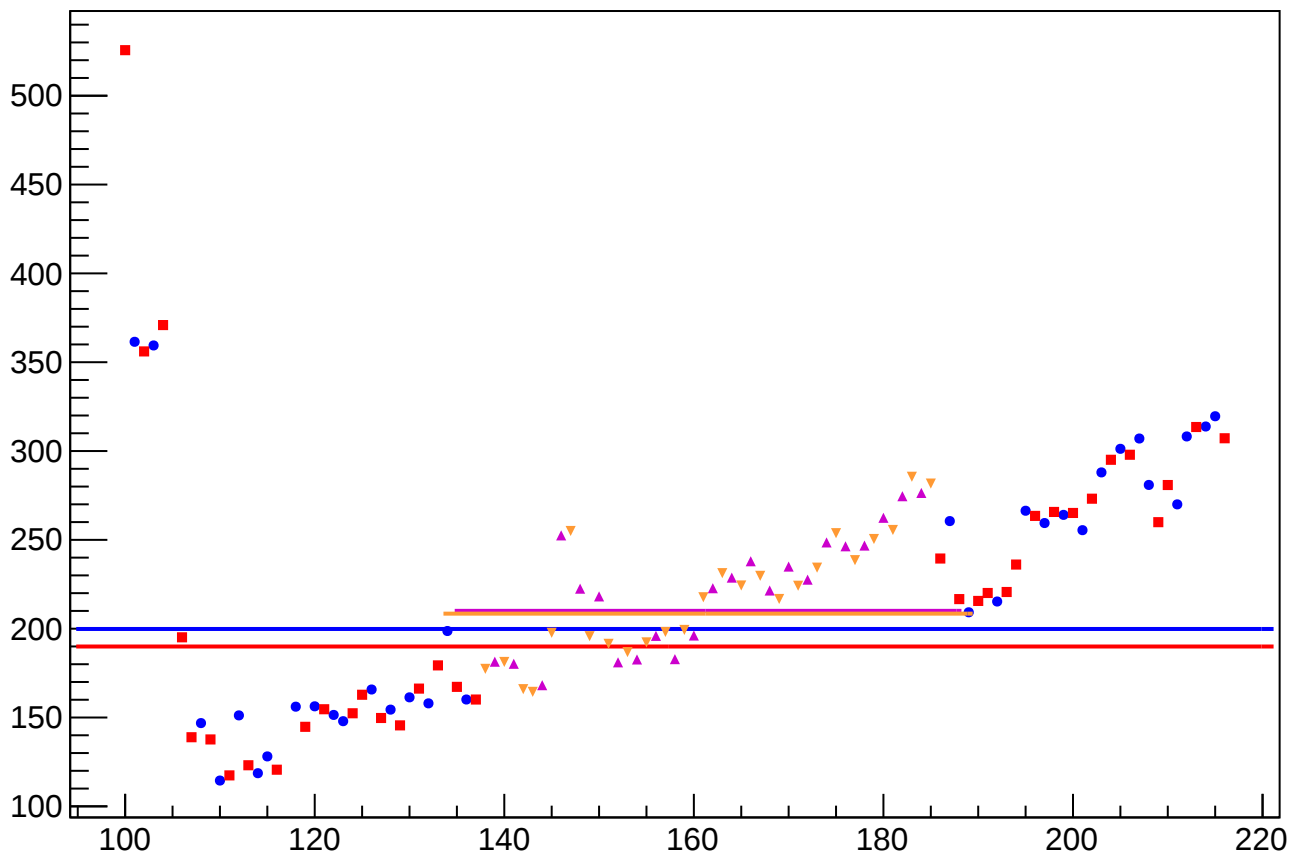
Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

+ sign 147594.827 $\pm$ 0.036 χ^2 /NDF: 31624120138.

All: 147279.970 $\pm$ 0.025 χ^2 /NDF: 694300502

- sign 146973.064 $\pm$ 0.035 χ^2 /NDF: 37650915192.5

yield_bpm0i05WS_rms vs Slug



Right In: 199.840 $\pm$ 0.036 χ^2 /NDF: 3393590.6/31

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 189.970 $\pm$ 0.034 χ^2 /NDF: 3567105.3/34

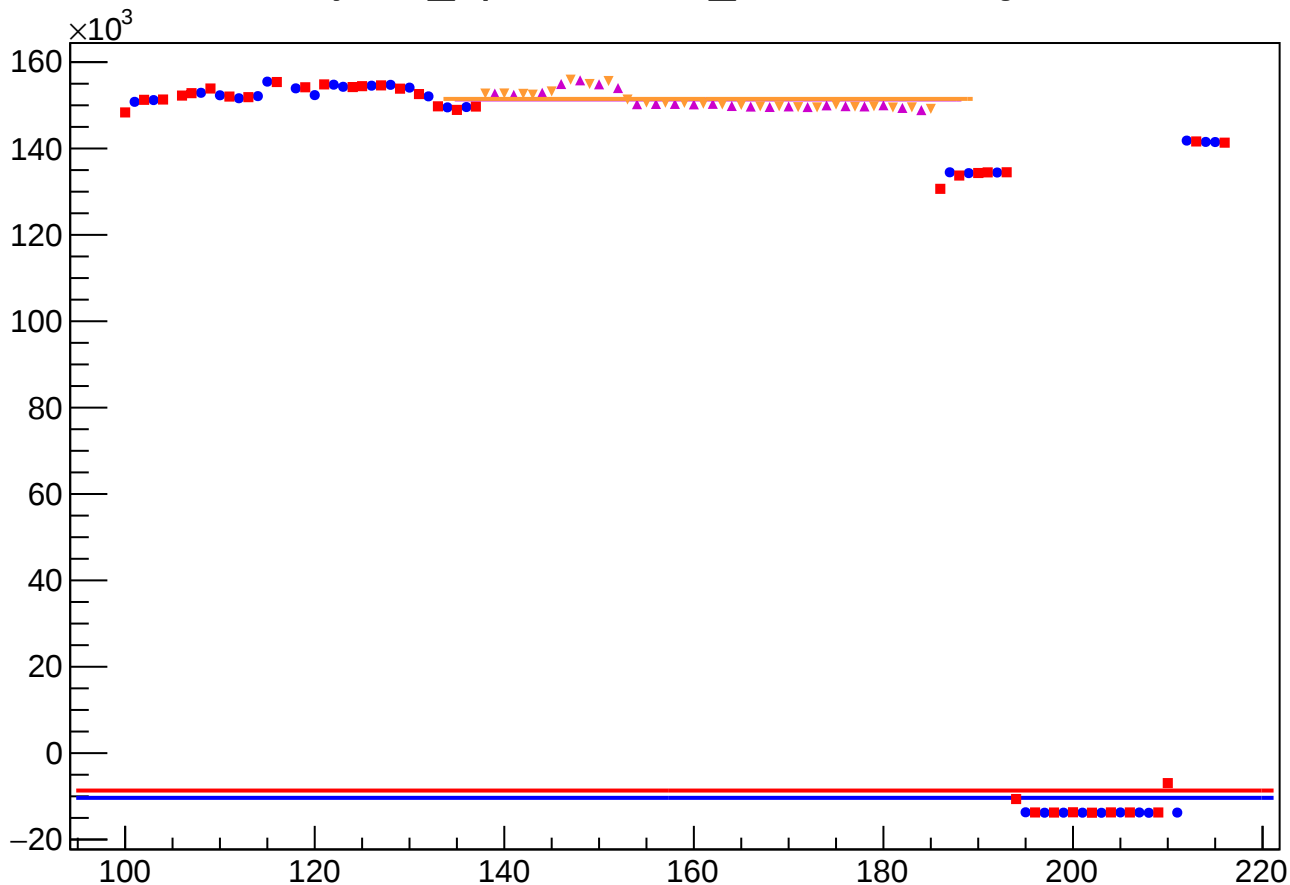
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 204.279 $\pm$ 0.025 χ^2 /NDF: 4143919.5/56

All: 201.760 $\pm$ 0.018 χ^2 /NDF: 8596034.6/114

- sign 199.303 $\pm$ 0.025 χ^2 /NDF: 4432257.3/57

yield_bpm0i07WS_mean vs Slug



Right In: -10351.511+/-0.009

χ^2/NDF : 6424435261107.7/31

Left Out: 151483.385+/-0.050

χ^2/NDF : 1481910066.9/24

Right Out: -8661.232+/-0.010

χ^2/NDF : 7501001985004.1/34

Left In: 151363.165+/-0.051

χ^2/NDF : 1421662089.0/22

+ sign -4934.608+/-0.009

χ^2/NDF : 1674770495500

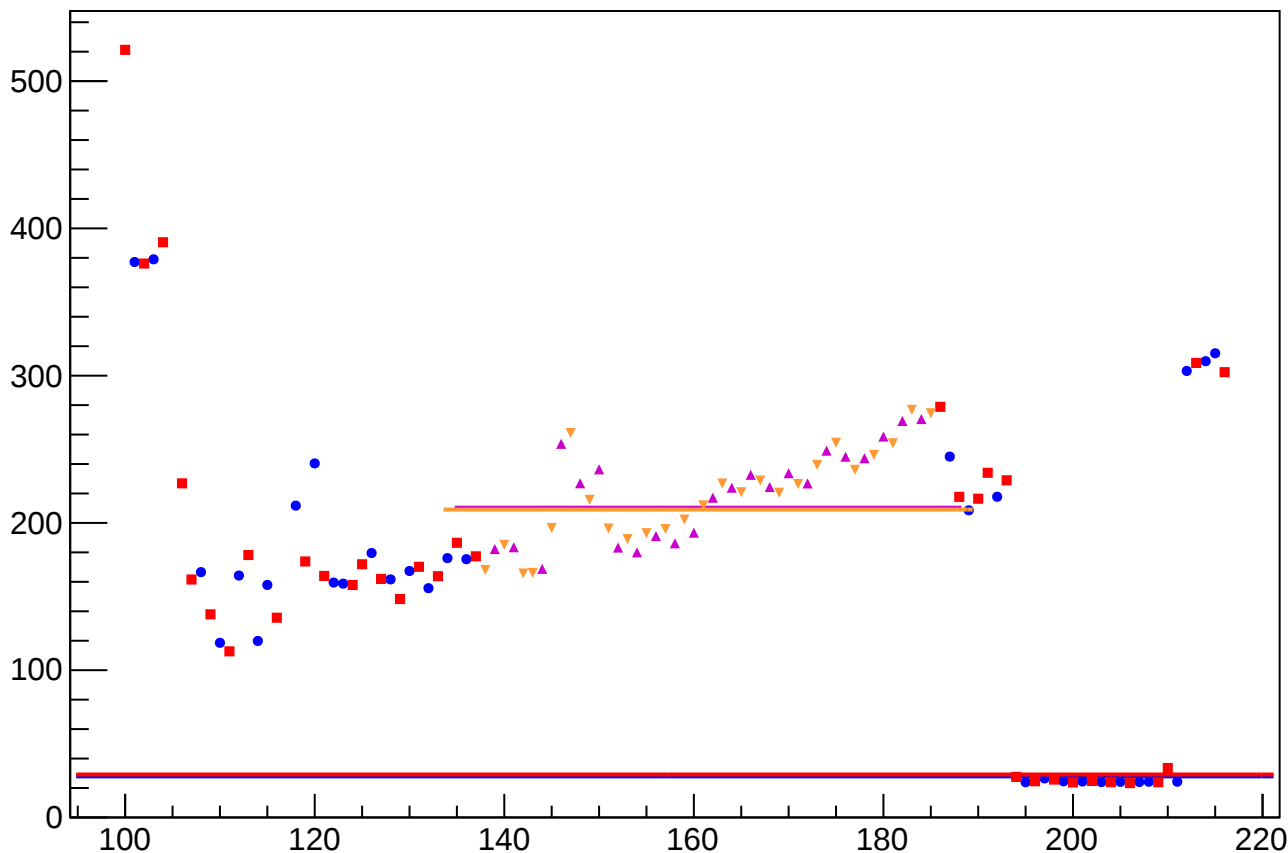
All: -3943.544+/-0.007

χ^2/NDF : 3361173288

- sign -2769.044+/-0.010

χ^2/NDF : 16837882861193

yield_bpm0i07WS_rms vs Slug



Right In: 27.896+/-0.007 χ^2/NDF : 15189175.0/31

Left Out: 209.076+/-0.035 χ^2/NDF : 708260.3/24

Right Out: 29.173+/-0.007 χ^2/NDF : 15804595.6/34

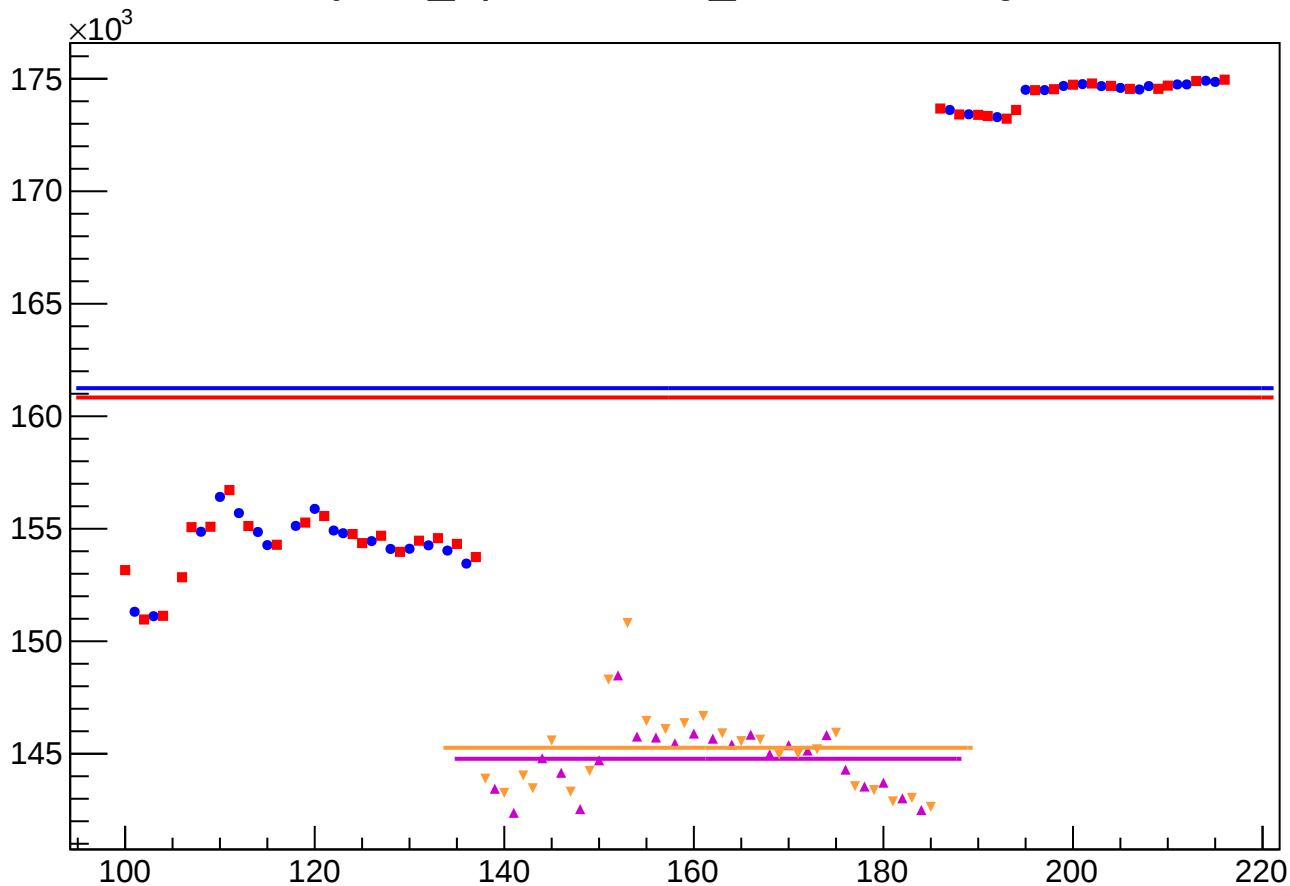
Left In: 210.345+/-0.036 χ^2/NDF : 677747.7/22

+ sign 33.960+/-0.006 χ^2/NDF : 41771341.1/56

All: 34.822+/-0.005 χ^2/NDF : 82225049.1/114

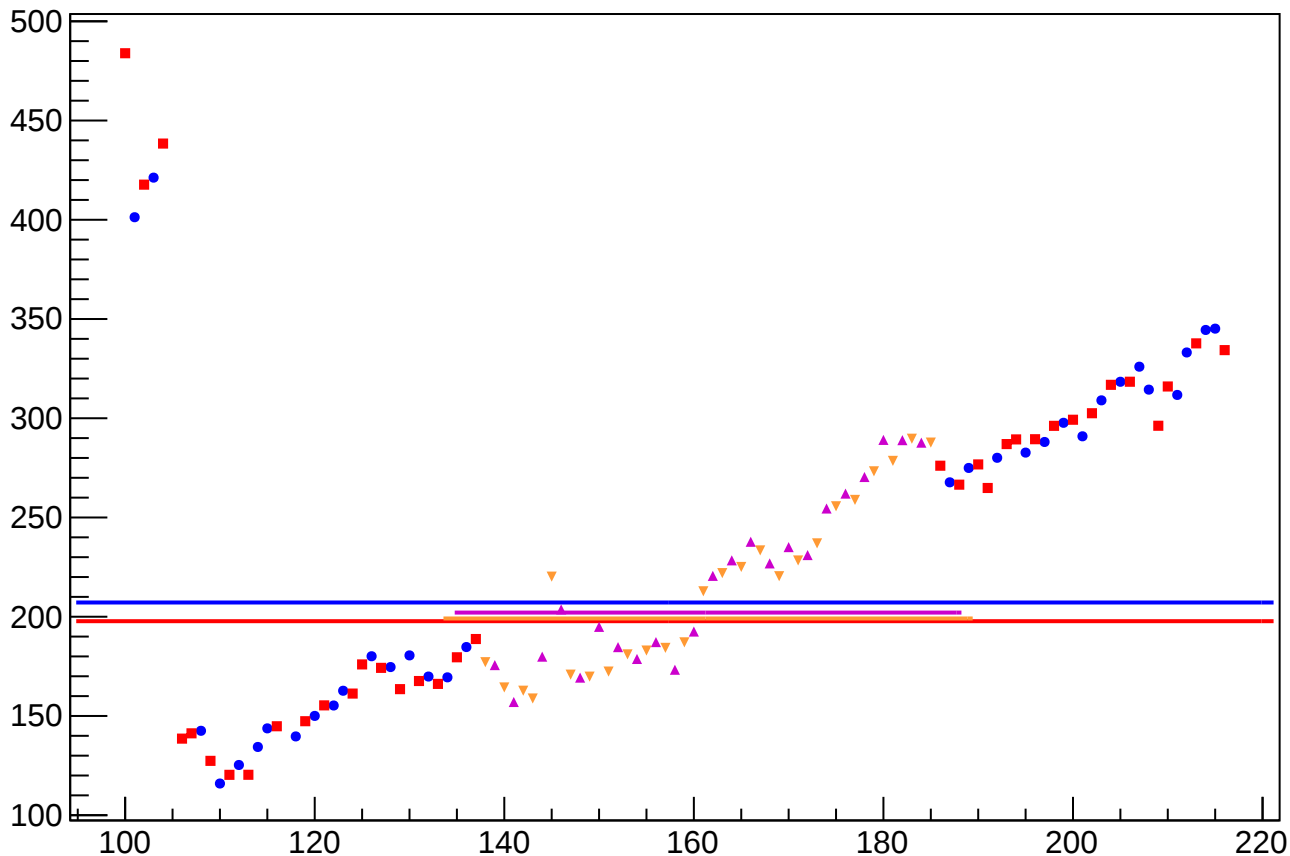
- sign 35.844+/-0.007 χ^2/NDF : 40414153.4/57

yield_bpm1i02WS_mean vs Slug



Right In: 161248.441 ± 0.054	$\chi^2/\text{NDF}: 29932966687.6/31$	+ sign 152273.345 ± 0.036	$\chi^2/\text{NDF}: 81503706931.7$
Left Out: 145266.717 ± 0.047	$\chi^2/\text{NDF}: 1717707352.7/24$	All: 152457.157 ± 0.025	$\chi^2/\text{NDF}: 165667018.7$
Right Out: 160834.092 ± 0.051	$\chi^2/\text{NDF}: 31779575711.7/34$	- sign 152639.796 ± 0.035	$\chi^2/\text{NDF}: 84109912568.4$
Left In: 144776.016 ± 0.050	$\chi^2/\text{NDF}: 918120275.4/22$		

yield_bpm1i02WS_rms vs Slug



Right In: 207.170 $\pm$ 0.038 χ^2 /NDF: 4473429.5/31

Left Out: 199.118 $\pm$ 0.034 χ^2 /NDF:1152231.0/24

Right Out: 197.754 $\pm$ 0.036 χ^2 /NDF: 4760221.1/34

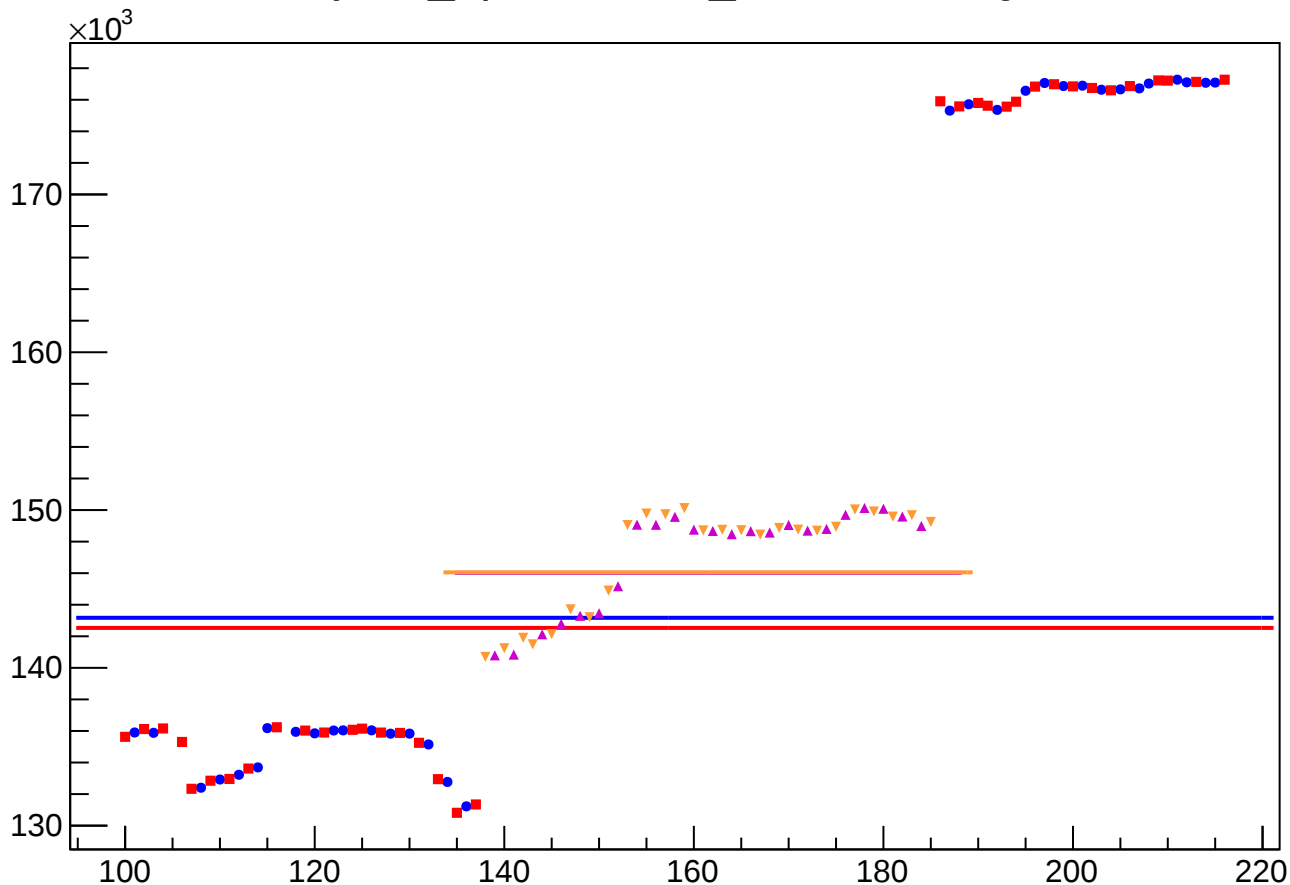
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 202.648 $\pm$ 0.025 χ^2 /NDF: 5650968.6/56

All: 201.303 $\pm$ 0.018 χ^2 /NDF: 11482238.7/11

- sign 199.967 $\pm$ 0.025 χ^2 /NDF: 5825552.3/57

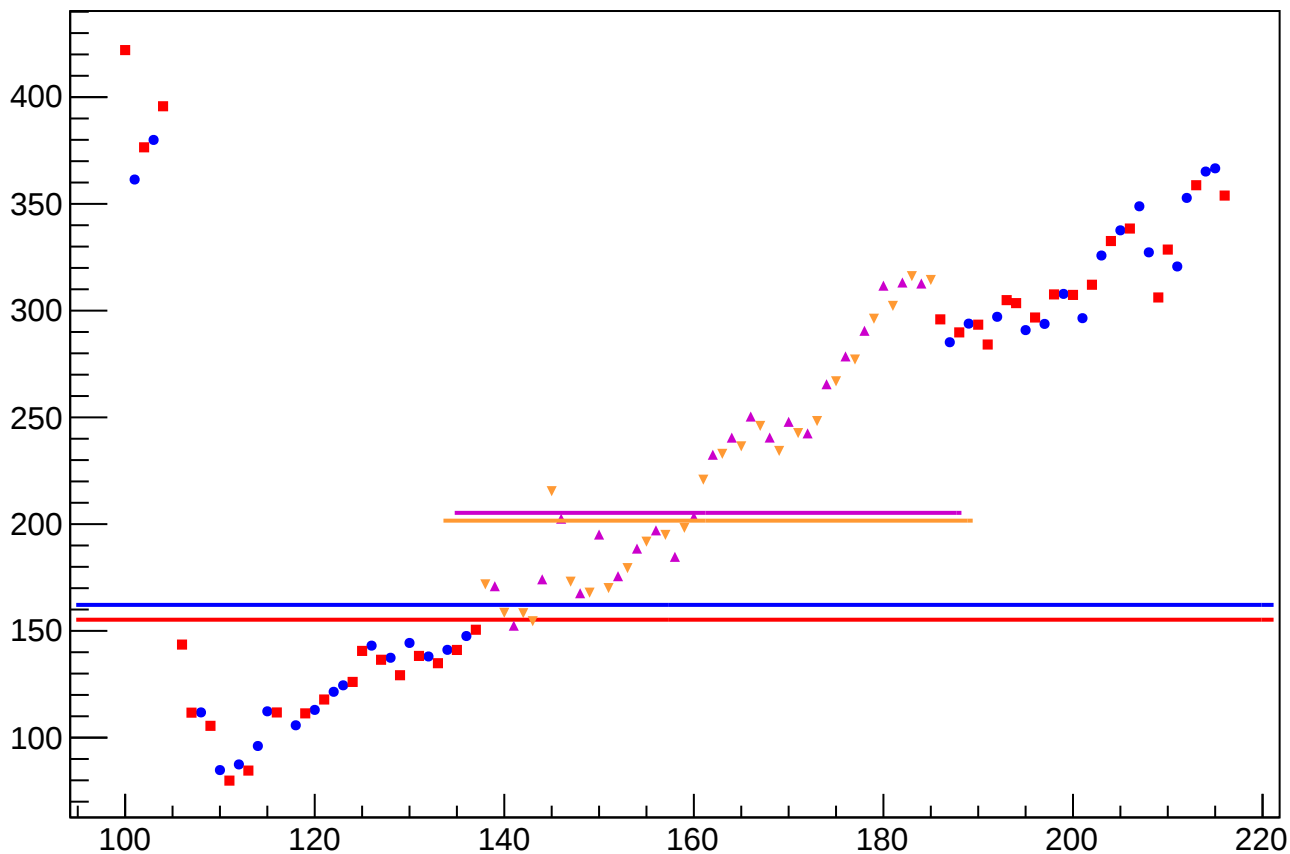
yield_bpm1i04WS_mean vs Slug



Right In: 143172.407 $\pm$ 0.045 χ^2 /NDF: 149189922648.4/31
 Left Out: 146051.733 $\pm$ 0.048 χ^2 /NDF: 5403300123.1/24
 Right Out: 142531.923 $\pm$ 0.042 χ^2 /NDF: 158965958596.2/34
 Left In: 146020.015 $\pm$ 0.051 χ^2 /NDF: 4591425371.4/22

+ sign 144504.085 $\pm$ 0.033 χ^2 /NDF: 156503044823
 All: 144235.297 $\pm$ 0.023 χ^2 /NDF: 322977994
 - sign 143971.544 $\pm$ 0.033 χ^2 /NDF: 166342306202

yield_bpm1i04WS_rms vs Slug



Right In: 162.176+/-0.032 χ^2/NDF : 8051048.7/31

Left Out: 201.632+/-0.034 χ^2/NDF : 1589564.0/24

Right Out: 155.235+/-0.030 χ^2/NDF : 8402697.7/34

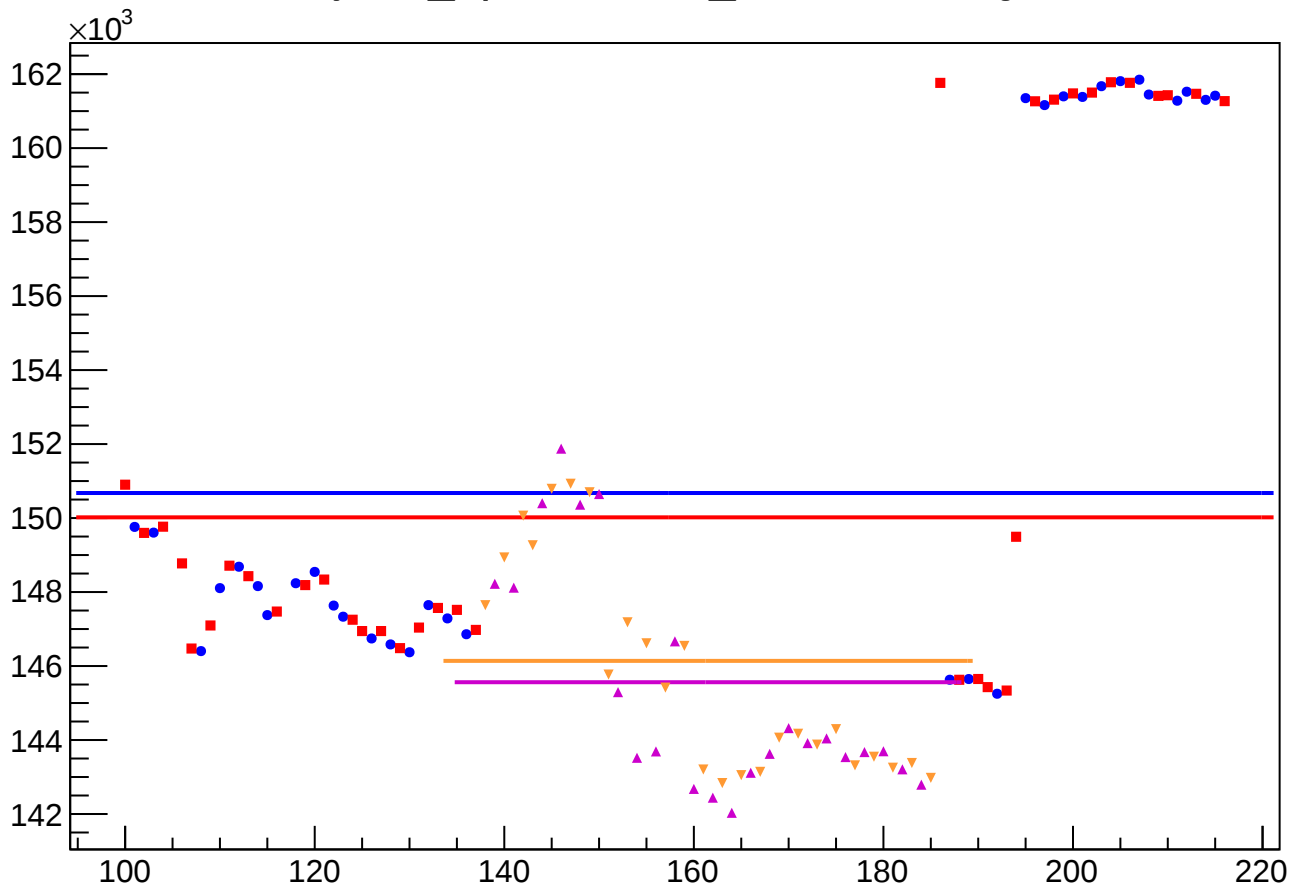
Left In: 205.286+/-0.036 χ^2/NDF : 1425292.7/22

+ sign 180.424+/-0.023 χ^2/NDF : 10357826.3/56

All: 178.137+/-0.016 χ^2/NDF : 21351864.6/1

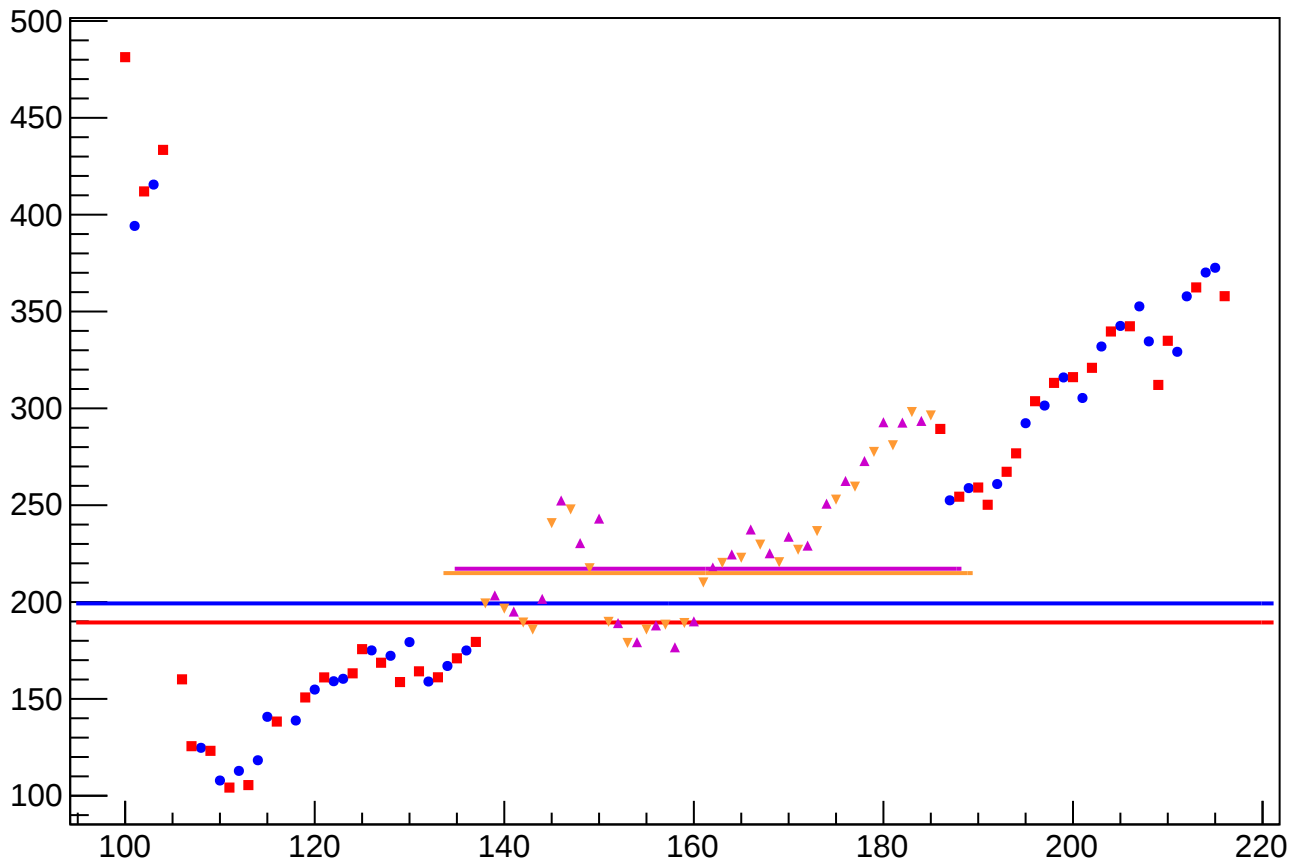
- sign 175.892+/-0.023 χ^2/NDF : 10974825.3/57

yield_bpm1i06WS_mean vs Slug



Right In: 150676.938 $\pm$ 0.053 χ^2 /NDF: 12936553816.2/31
 Left Out: 146139.326 $\pm$ 0.051 χ^2 /NDF: 2699546907.6/24
 Right Out: 150019.110 $\pm$ 0.049 χ^2 /NDF: 11972484333.7/34
 Left In: 145562.386 $\pm$ 0.053 χ^2 /NDF: 3054641996.0/22

yield_bpm1i06WS_rms vs Slug



Right In: 199.297 $\pm$ 0.037 χ^2 /NDF: 5533363.8/31

Left Out: 214.945 $\pm$ 0.036 χ^2 /NDF: 728515.5/24

Right Out: 189.460 $\pm$ 0.035 χ^2 /NDF: 5770325.8/34

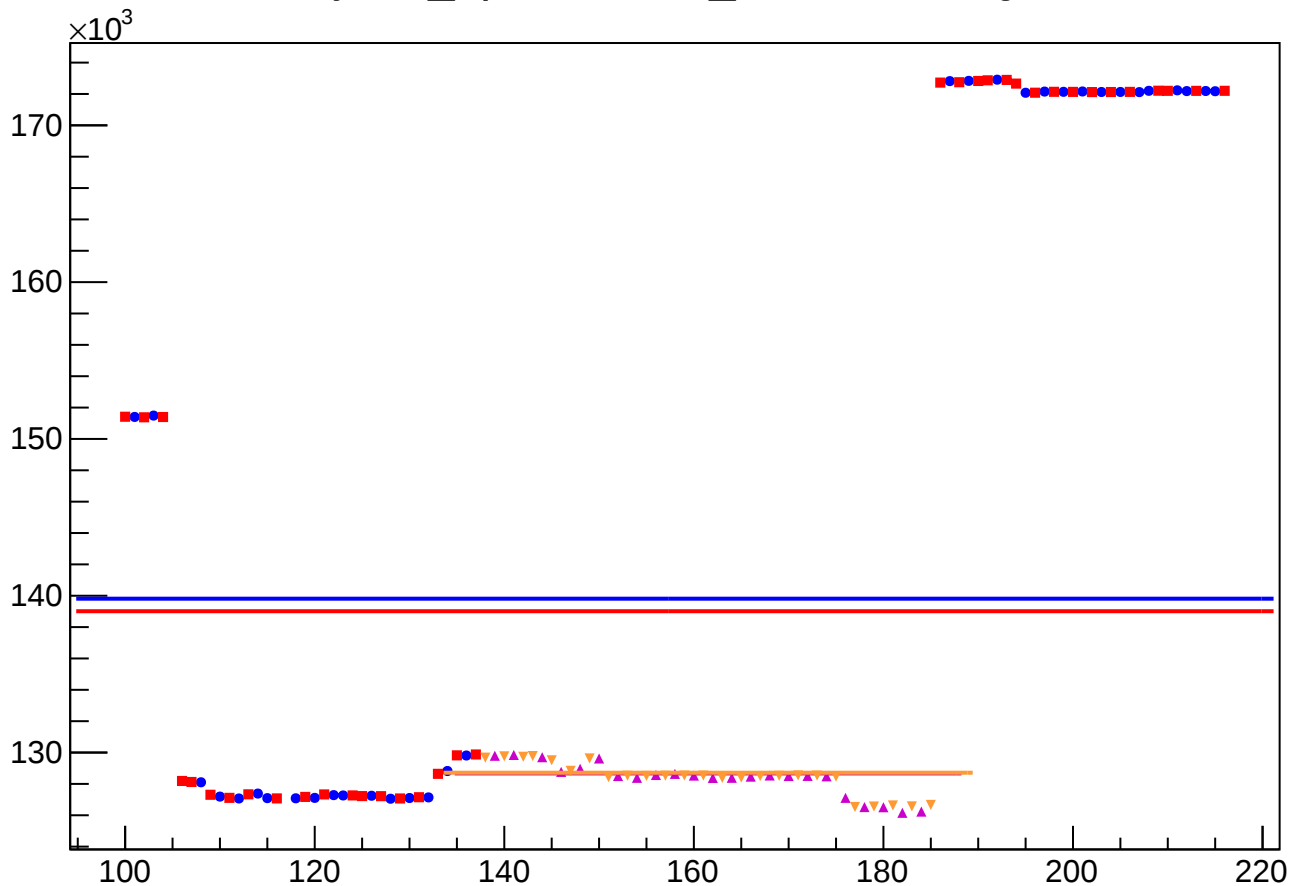
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 207.375 $\pm$ 0.026 χ^2 /NDF: 6353296.7/56

All: 204.825 $\pm$ 0.018 χ^2 /NDF: 13200611.6/13

- sign 202.334 $\pm$ 0.026 χ^2 /NDF: 6828092.3/57

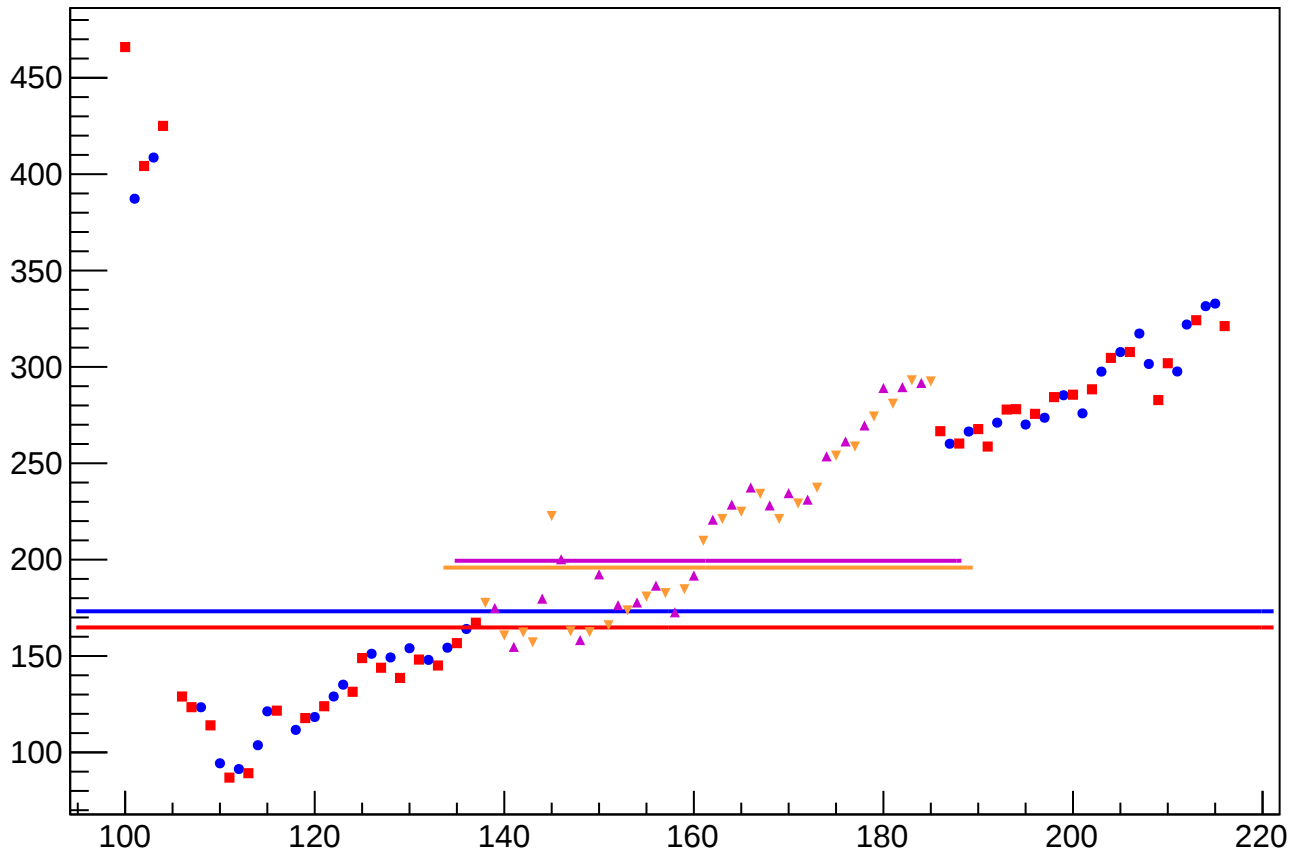
yield_bpm2i01WS_mean vs Slug



Right In: 139812.369+/-0.046 χ^2/NDF : 182086188987.4/31
 Left Out: 128714.507+/-0.047 χ^2/NDF : 348178101.1/24
 Right Out: 139013.006+/-0.044 χ^2/NDF : 197751896471.9/34
 Left In: 128667.013+/-0.049 χ^2/NDF : 333059477.6/22

+ sign 134295.651+/-0.033 χ^2/NDF : 210837399224
 All: 134365.300+/-0.023 χ^2/NDF : 433787103
 - sign 134433.560+/-0.033 χ^2/NDF : 222940843443

yield_bpm2i01WS_rms vs Slug



Right In: 173.199 $\pm$ 0.033 χ^2 /NDF: 6416919.5/31

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 164.814 $\pm$ 0.031 χ^2 /NDF: 6755093.0/34

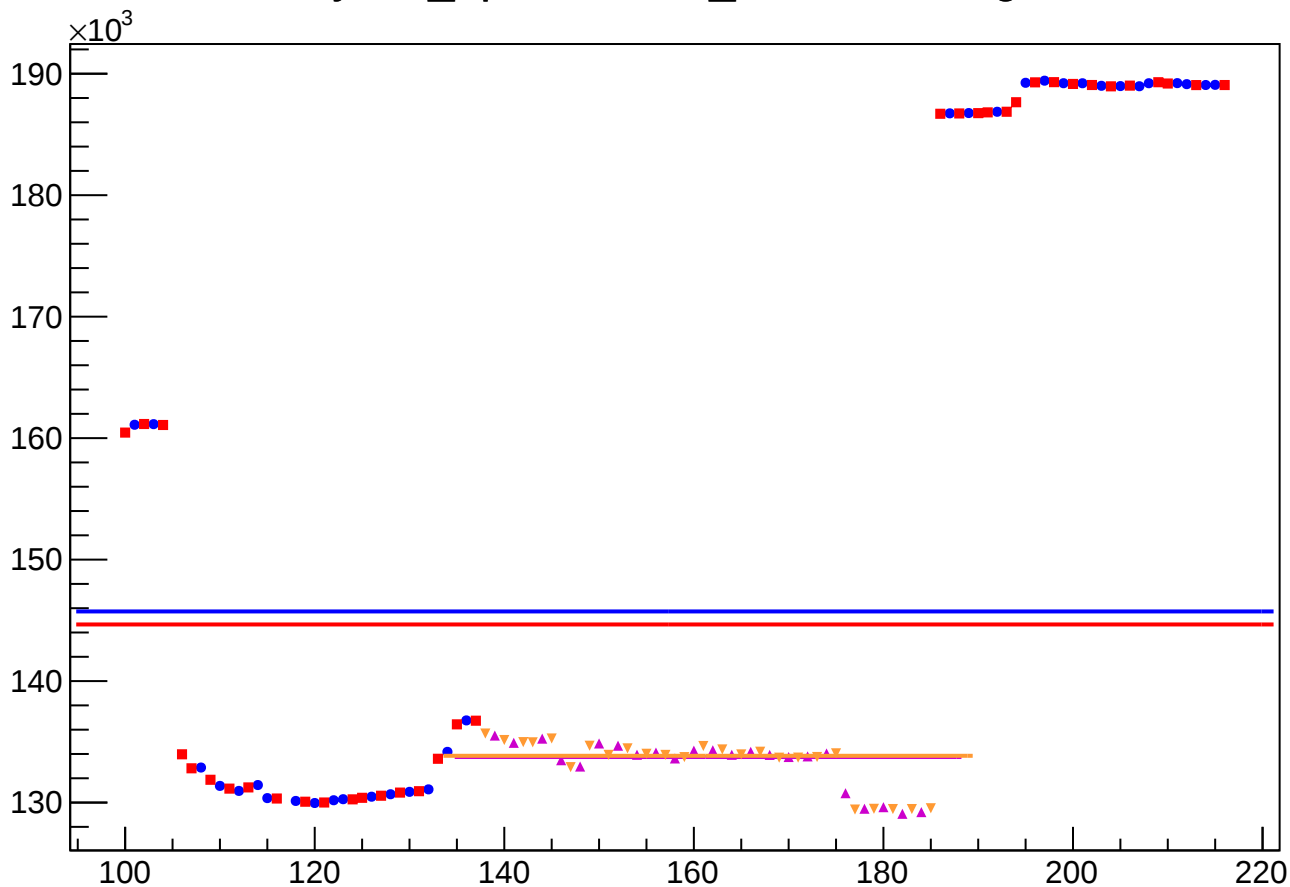
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 184.475 $\pm$ 0.023 χ^2 /NDF: 7967612.4/56

All: 182.280 $\pm$ 0.016 χ^2 /NDF: 16461962.0/1

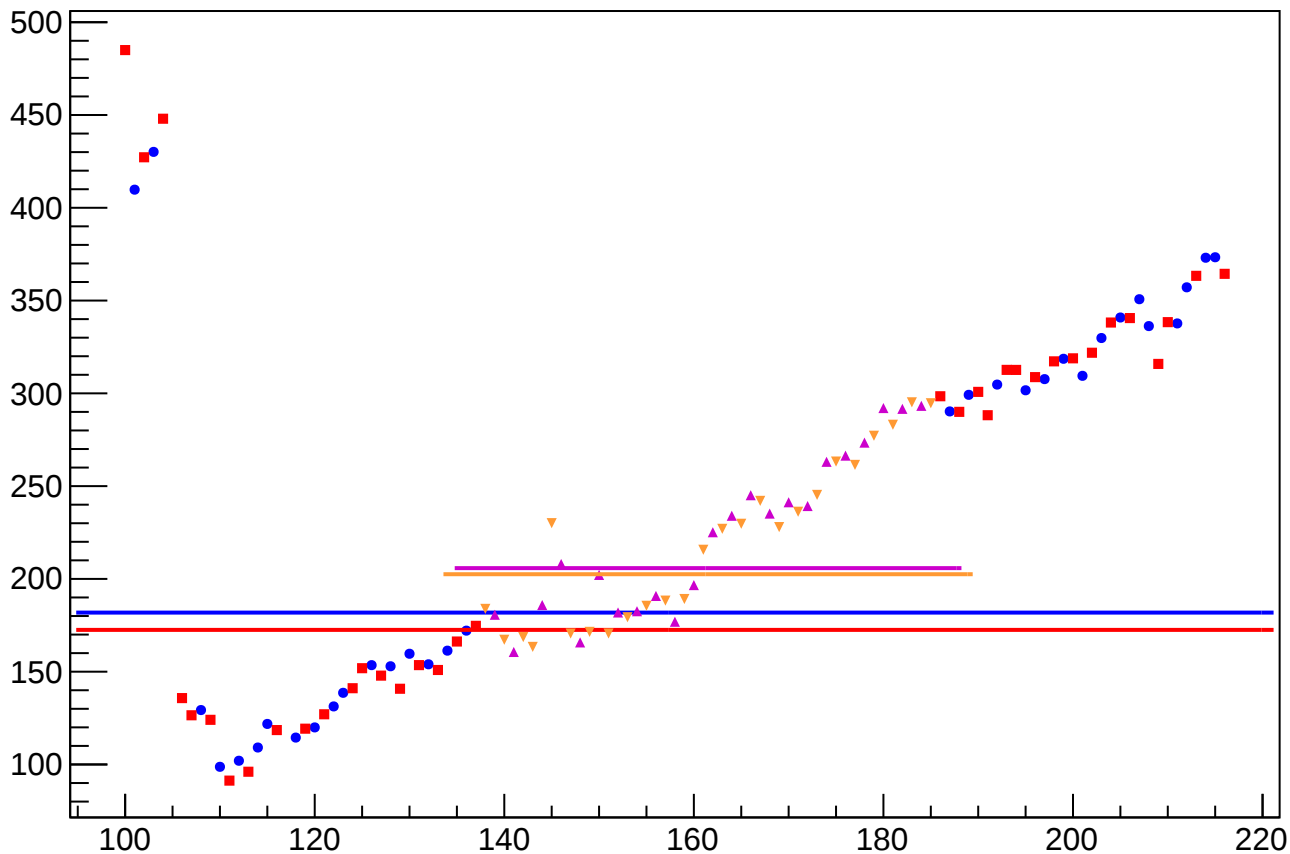
- sign 180.129 $\pm$ 0.023 χ^2 /NDF: 8476751.6/57

yield_bpm2i02WS_mean vs Slug



Right In: 145734.050 $\pm$ 0.049 χ^2 /NDF: 248077214918.6/31
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 144661.629 $\pm$ 0.046 χ^2 /NDF: 263632881707.8/34
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22
 + sign 139657.590 $\pm$ 0.034 χ^2 /NDF: 278834679762
 All: 139670.036 $\pm$ 0.024 χ^2 /NDF: 568791896
 - sign 139682.225 $\pm$ 0.034 χ^2 /NDF: 289956960995

yield_bpm2i02WS_rms vs Slug



Right In: 181.848 $\pm$ 0.035 χ^2 /NDF: 7069083.2/31

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 172.527 $\pm$ 0.033 χ^2 /NDF: 7461755.4/34

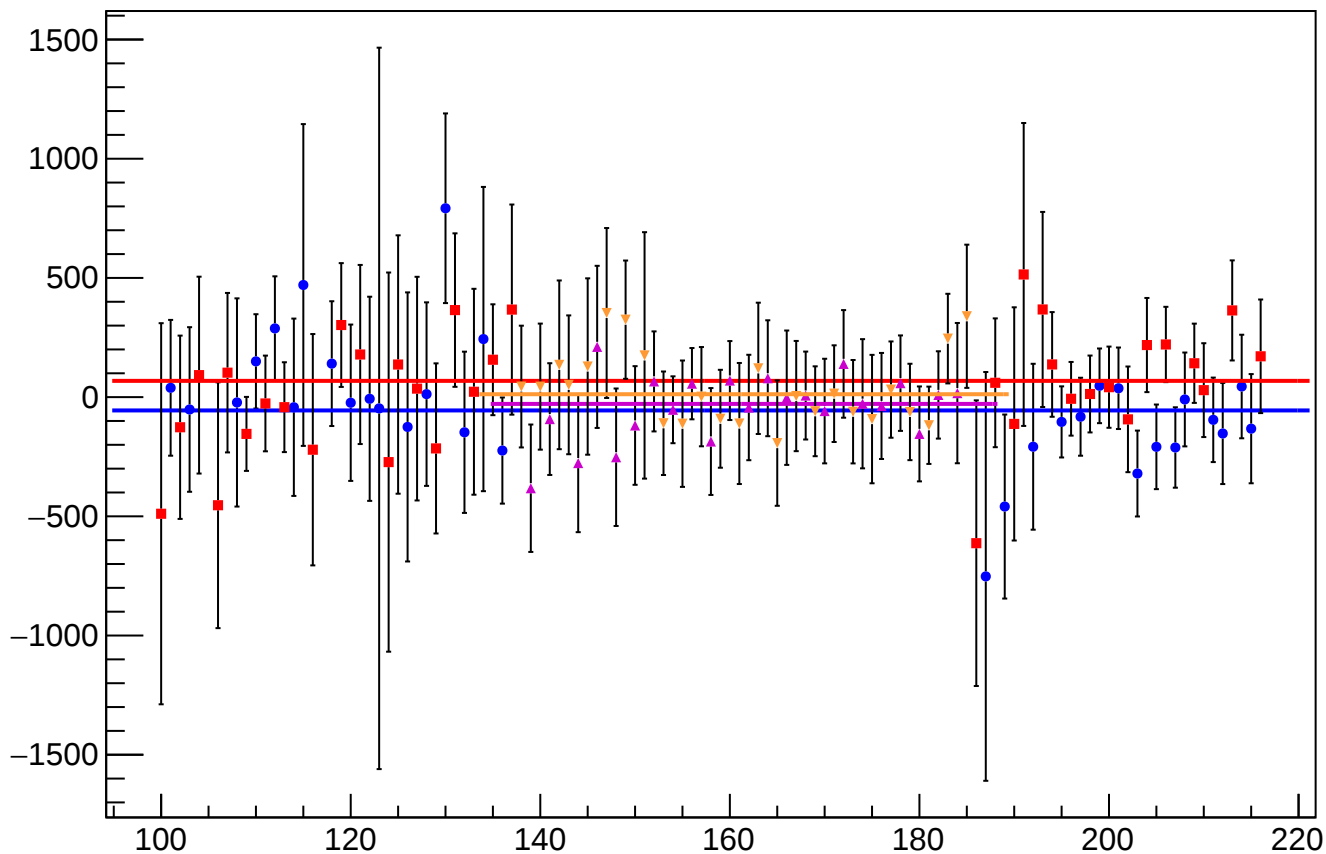
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 192.422 $\pm$ 0.024 χ^2 /NDF: 8460815.4/56

All: 190.043 $\pm$ 0.017 χ^2 /NDF: 17507734.8/1

- sign 187.714 $\pm$ 0.024 χ^2 /NDF: 9028080.3/57

asym_bcm_an_ds_mean vs Slug



Right In: -55.839 ± 42.606 χ^2/NDF : 17.5/31

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 68.221 ± 42.381 χ^2/NDF : 15.3/34

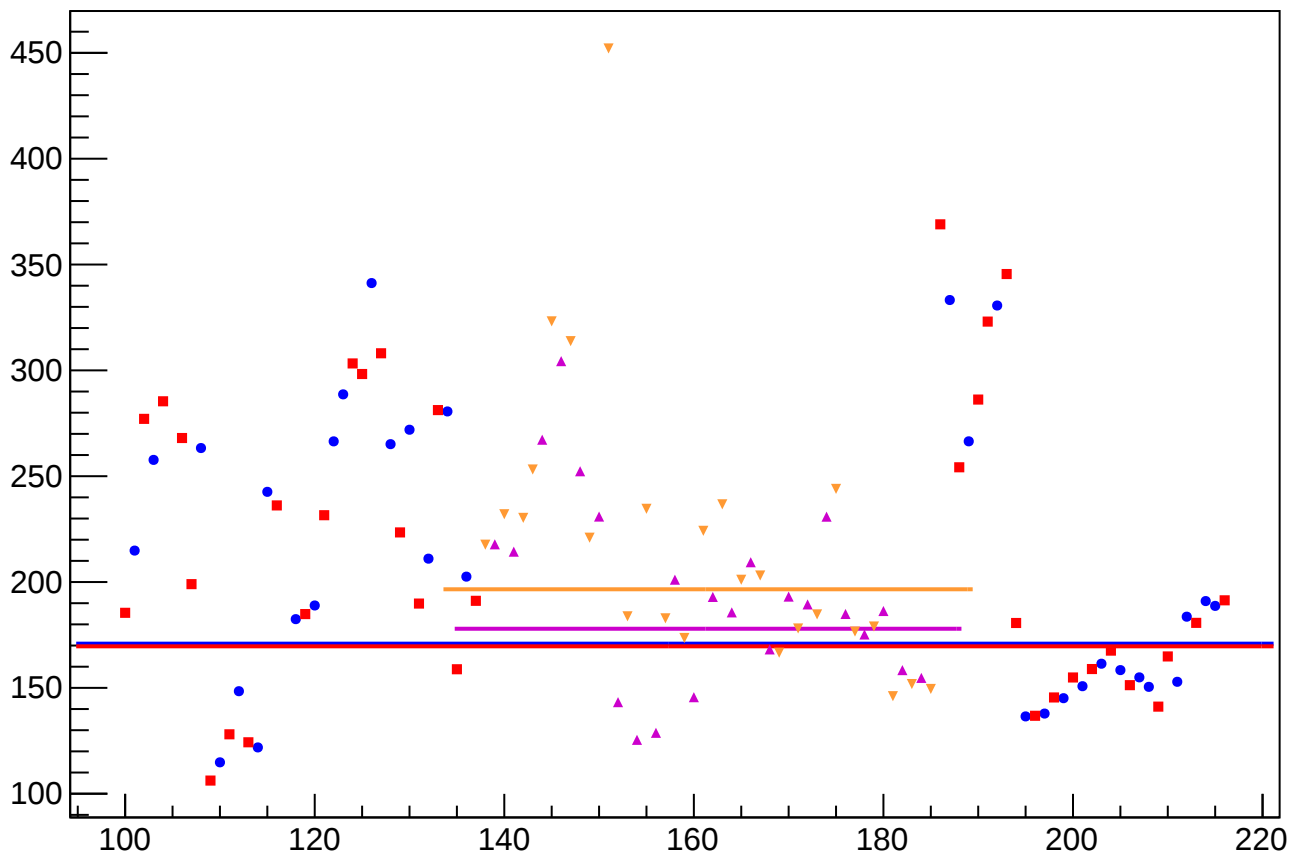
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign -25.535 ± 31.726 χ^2/NDF : 27.2/56

All: -0.797 ± 22.081 χ^2/NDF : 52.9/114

- sign 22.444 ± 30.751 χ^2/NDF : 24.5/57

asym_bcm_an_ds_rms vs Slug



Right In: 170.884 $\pm$ 0.030 χ^2 /NDF: 2181351.8/31

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 169.628 $\pm$ 0.030 χ^2 /NDF: 2863060.3/34

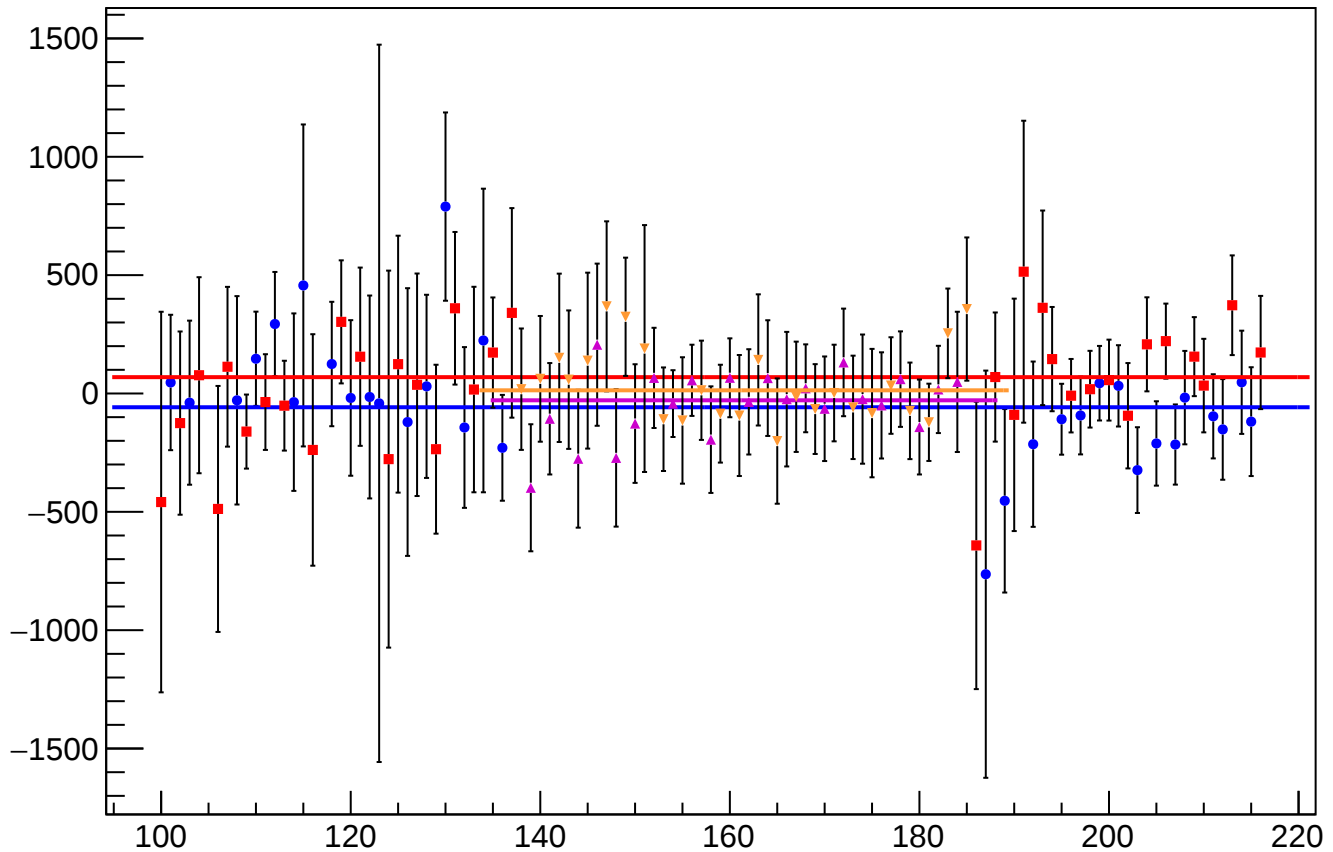
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 182.331 $\pm$ 0.022 χ^2 /NDF: 4284071.2/56

All: 177.809 $\pm$ 0.016 χ^2 /NDF: 8868086.6/114

- sign 173.560 $\pm$ 0.022 χ^2 /NDF: 4505210.4/57

asym_bcm_an_ds3_mean vs Slug



Right In: -58.159 ± 42.798 χ^2/NDF : 17.4/31

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 68.989 ± 42.586 χ^2/NDF : 15.7/34

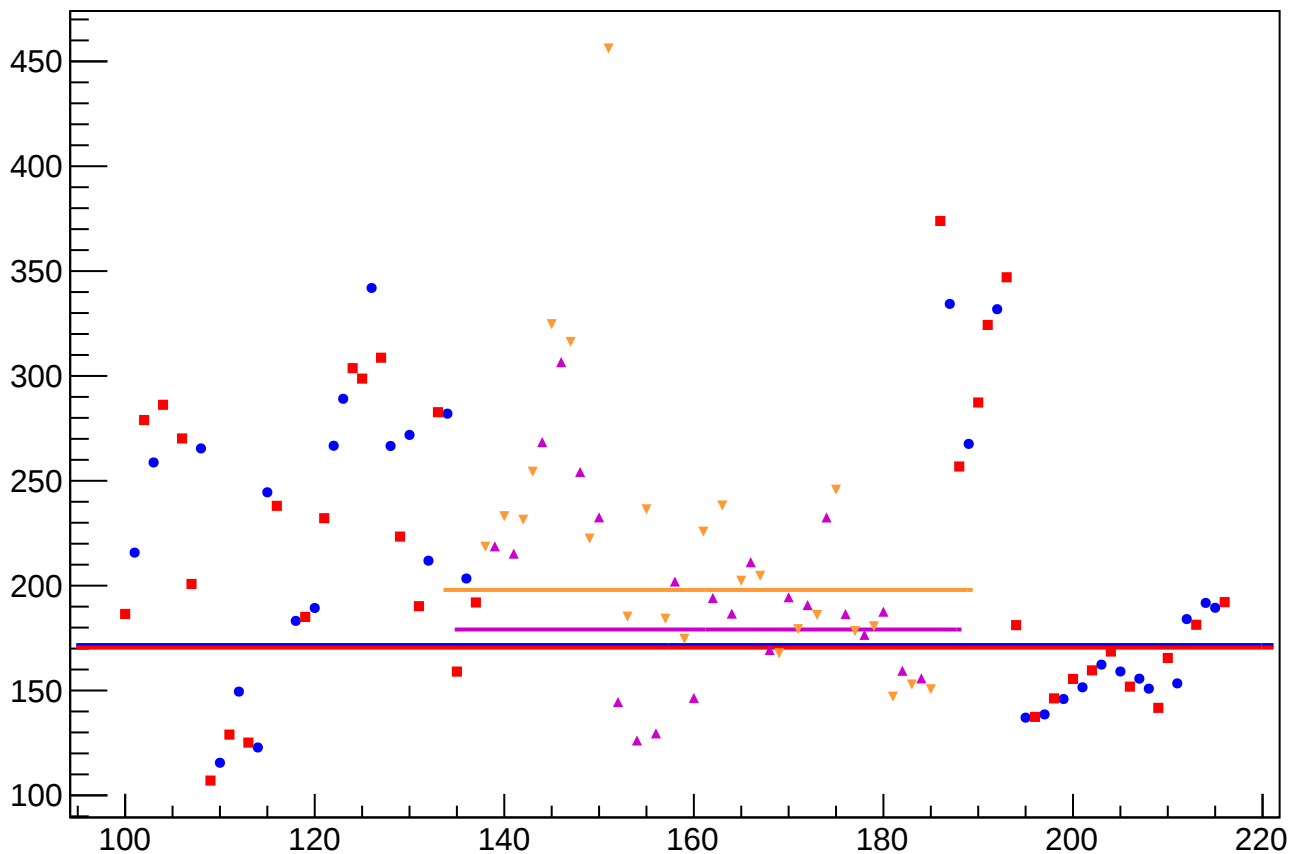
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign -26.367 ± 31.903 χ^2/NDF : 27.6/56

All: -1.037 ± 22.205 χ^2/NDF : 53.9/114

- sign 22.763 ± 30.925 χ^2/NDF : 25.1/57

asym_bcm_an_ds3_rms vs Slug



Right In: 171.675 $\pm$ 0.030 χ^2 /NDF: 2172651.9/31

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 170.457 $\pm$ 0.030 χ^2 /NDF: 2858674.9/34

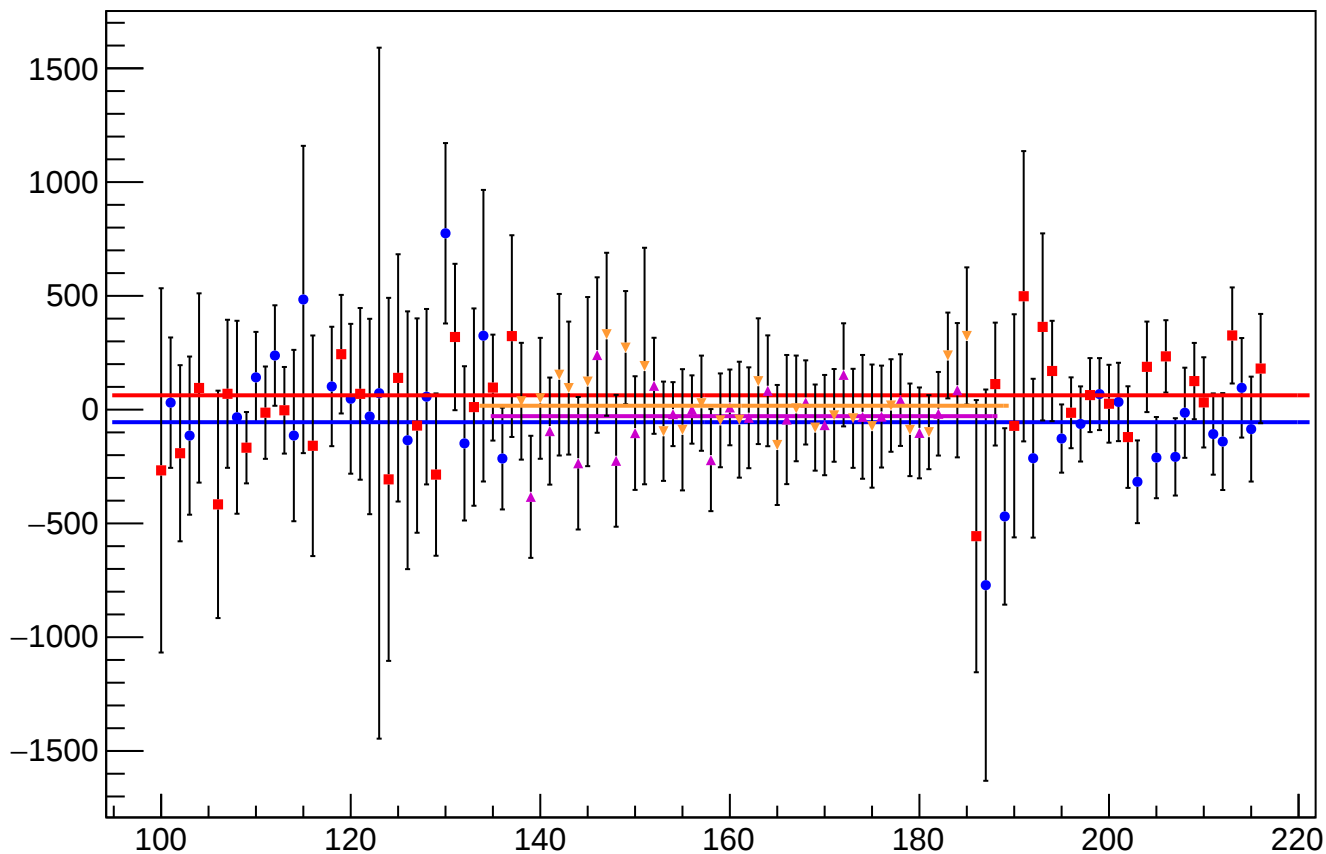
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 183.351 $\pm$ 0.023 χ^2 /NDF: 4282178.2/56

All: 178.807 $\pm$ 0.016 χ^2 /NDF: 8863498.4/114

- sign 174.538 $\pm$ 0.022 χ^2 /NDF: 4502635.0/57

asym_bcm_an_us_mean vs Slug



Right In: -55.161 ± 42.883 χ^2/NDF : 17.0/31

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 62.983 ± 42.621 χ^2/NDF : 13.8/34

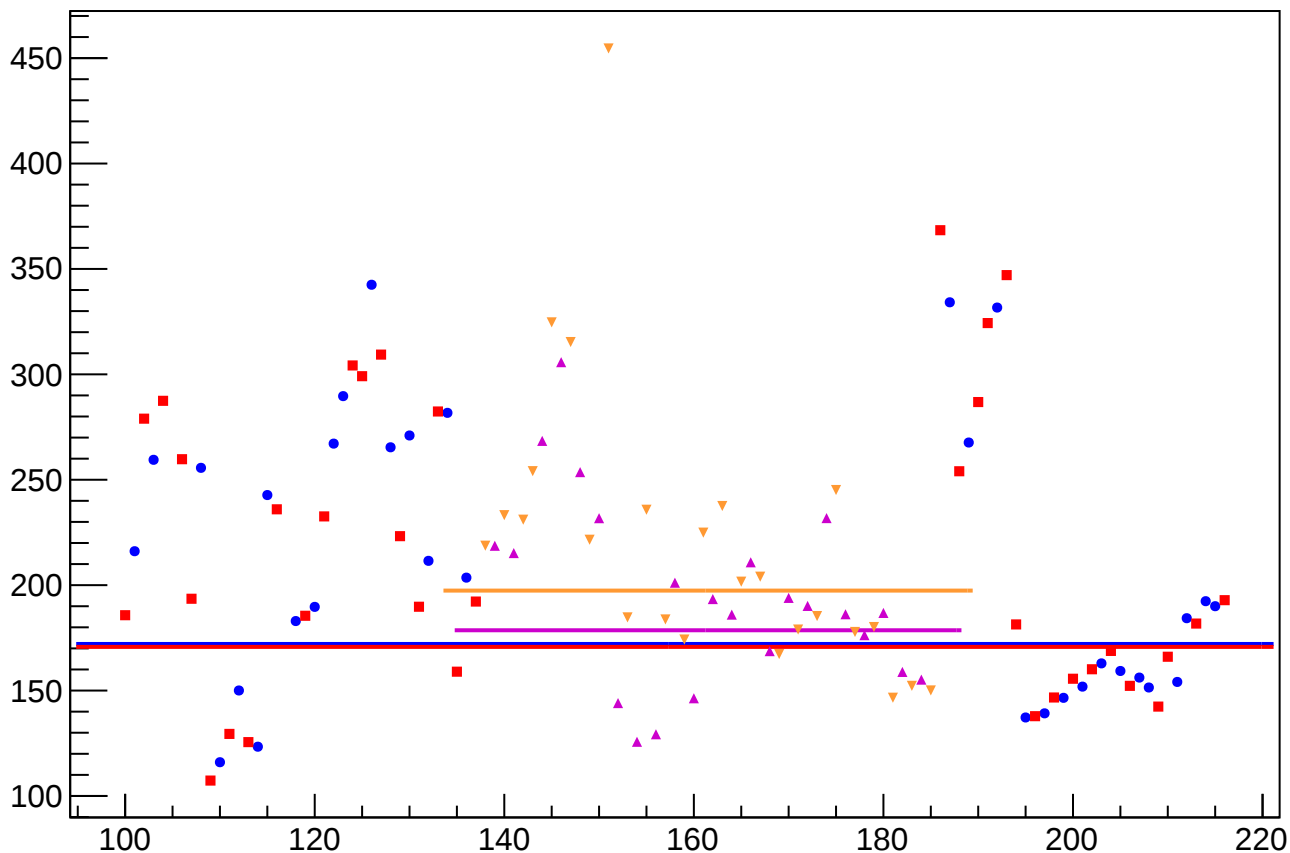
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign -22.872 ± 31.902 χ^2/NDF : 25.3/56

All: -1.005 ± 22.195 χ^2/NDF : 48.4/114

- sign 19.507 ± 30.898 χ^2/NDF : 22.1/57

asym_bcm_an_us_rms vs Slug



Right In: 172.103 ± 0.030 χ^2/NDF : 2140302.8/31

Left Out: 197.422 ± 0.034 χ^2/NDF : 1780261.9/24

Right Out: 170.715 ± 0.030 χ^2/NDF : 2811733.7/34

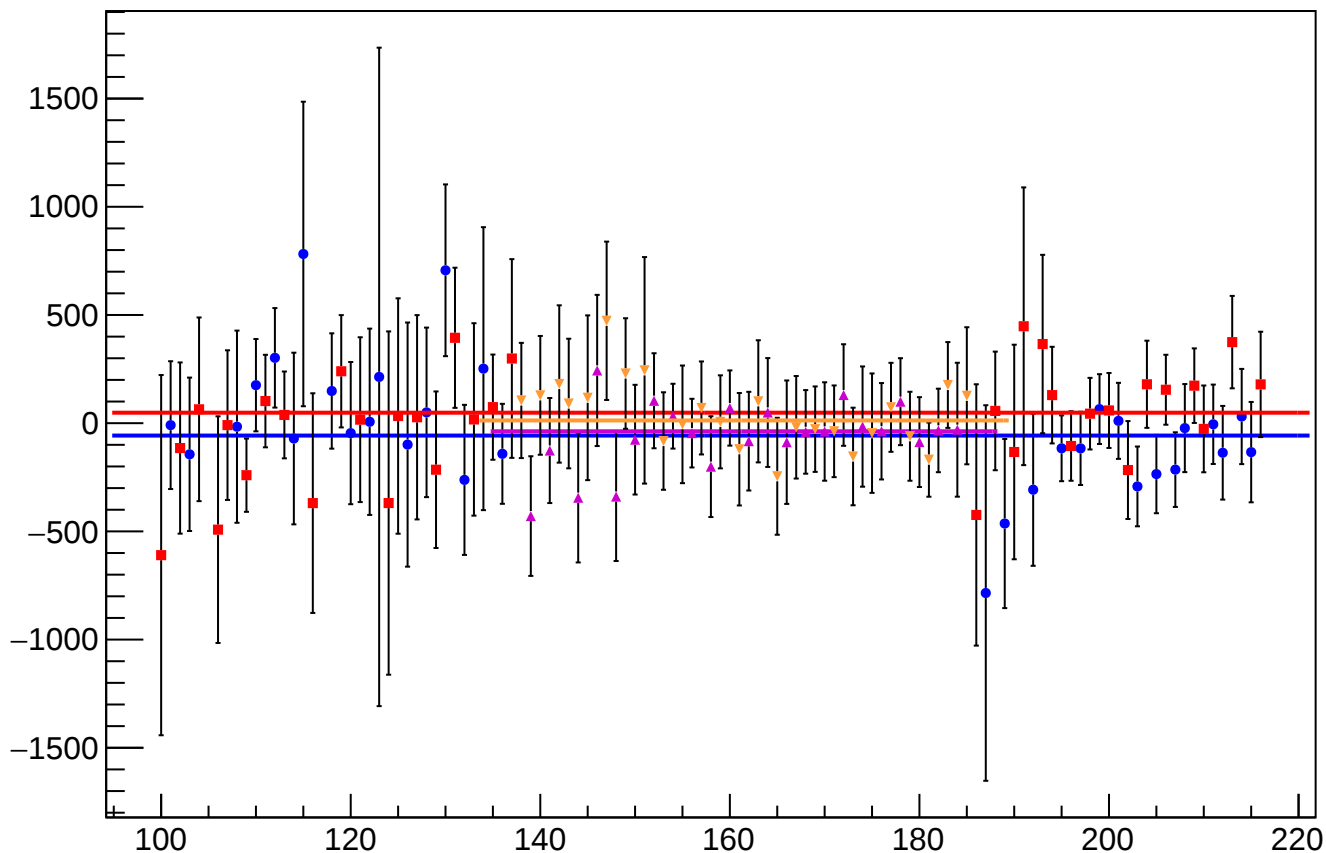
Left In: 178.601 ± 0.032 χ^2/NDF : 1608998.1/22

+ sign 183.410 ± 0.023 χ^2/NDF : 4231910.2/56

All: 178.790 ± 0.016 χ^2/NDF : 8766414.3/114

- sign 174.456 ± 0.022 χ^2/NDF : 4453218.8/57

asym_bcm_dg_us_mean vs Slug



Right In: -57.237 ± 43.792 χ^2/NDF : 17.5/31

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 48.472 ± 43.728 χ^2/NDF : 16.7/34

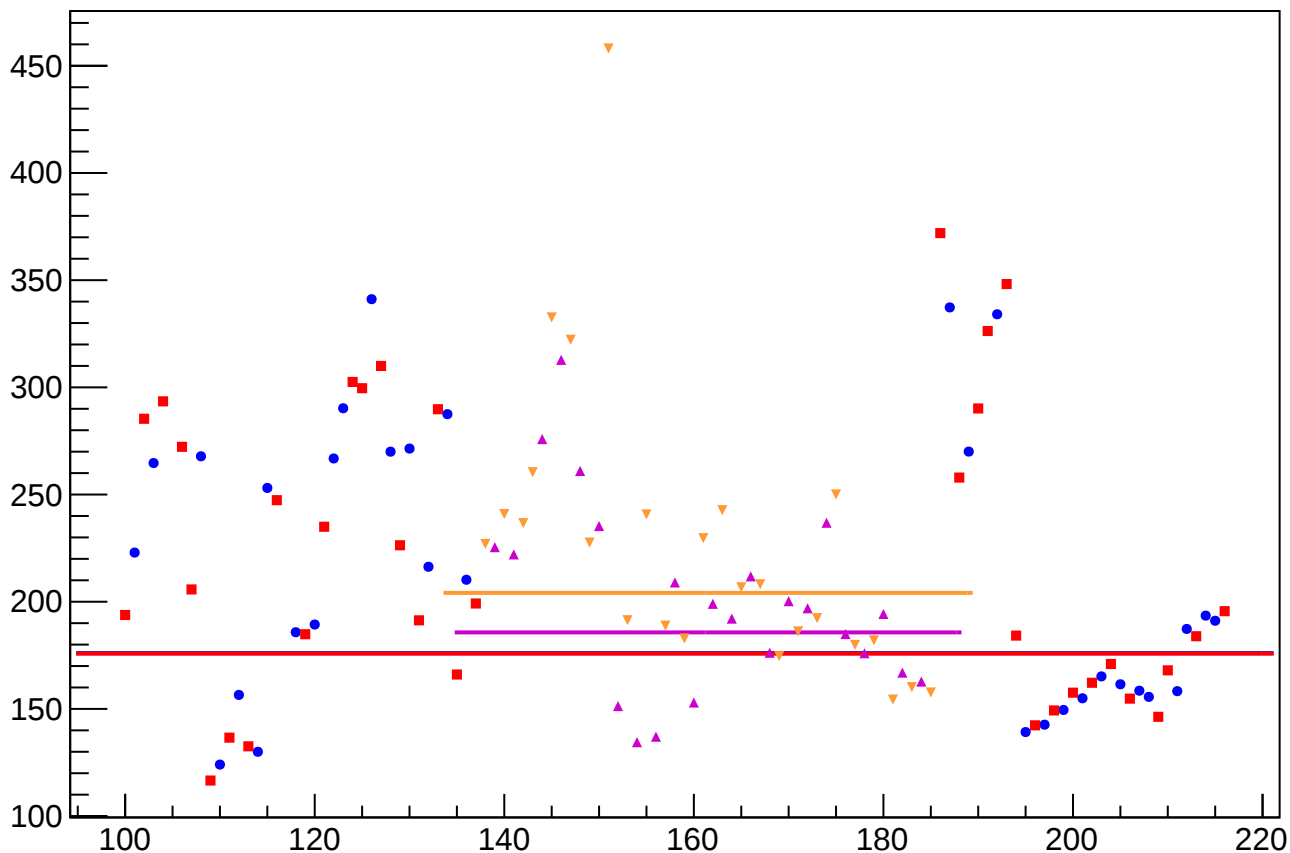
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign -26.381 ± 32.724 χ^2/NDF : 26.2/56

All: -8.661 ± 22.823 χ^2/NDF : 52.9/114

- sign 8.123 ± 31.849 χ^2/NDF : 26.1/57

asym_bcm_dg_us_rms vs Slug



Right In: 176.014 $\pm$ 0.031 χ^2 /NDF: 2055517.8/31

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 175.782 $\pm$ 0.031 χ^2 /NDF: 2625547.5/34

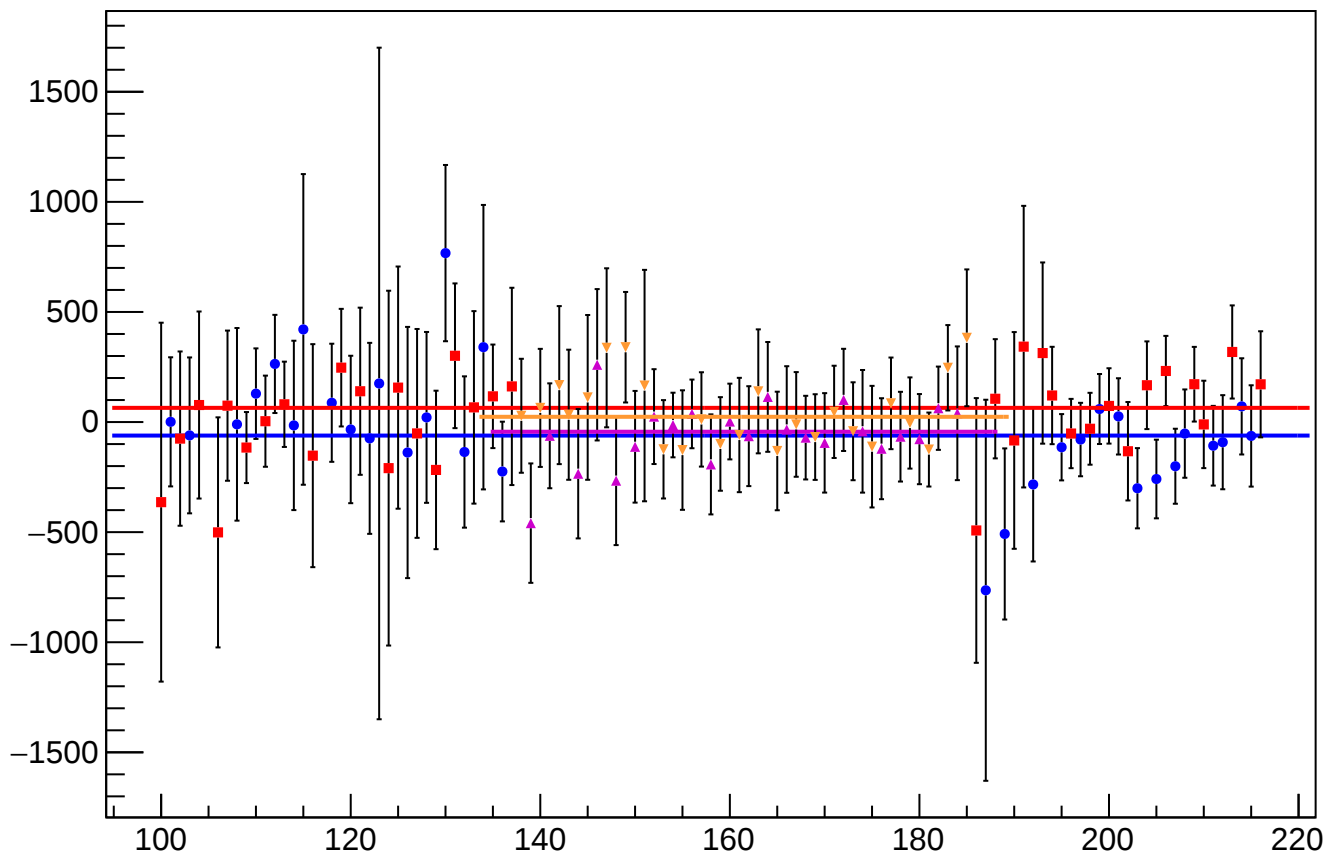
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 188.431 $\pm$ 0.023 χ^2 /NDF: 4091933.7/56

All: 184.325 $\pm$ 0.016 χ^2 /NDF: 8274810.0/114

- sign 180.436 $\pm$ 0.023 χ^2 /NDF: 4121561.1/57

asym_bcm_dg_ds_mean vs Slug



Right In: -61.407 ± 43.256 χ^2/NDF : 16.6/31

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 64.485 ± 43.062 χ^2/NDF : 11.8/34

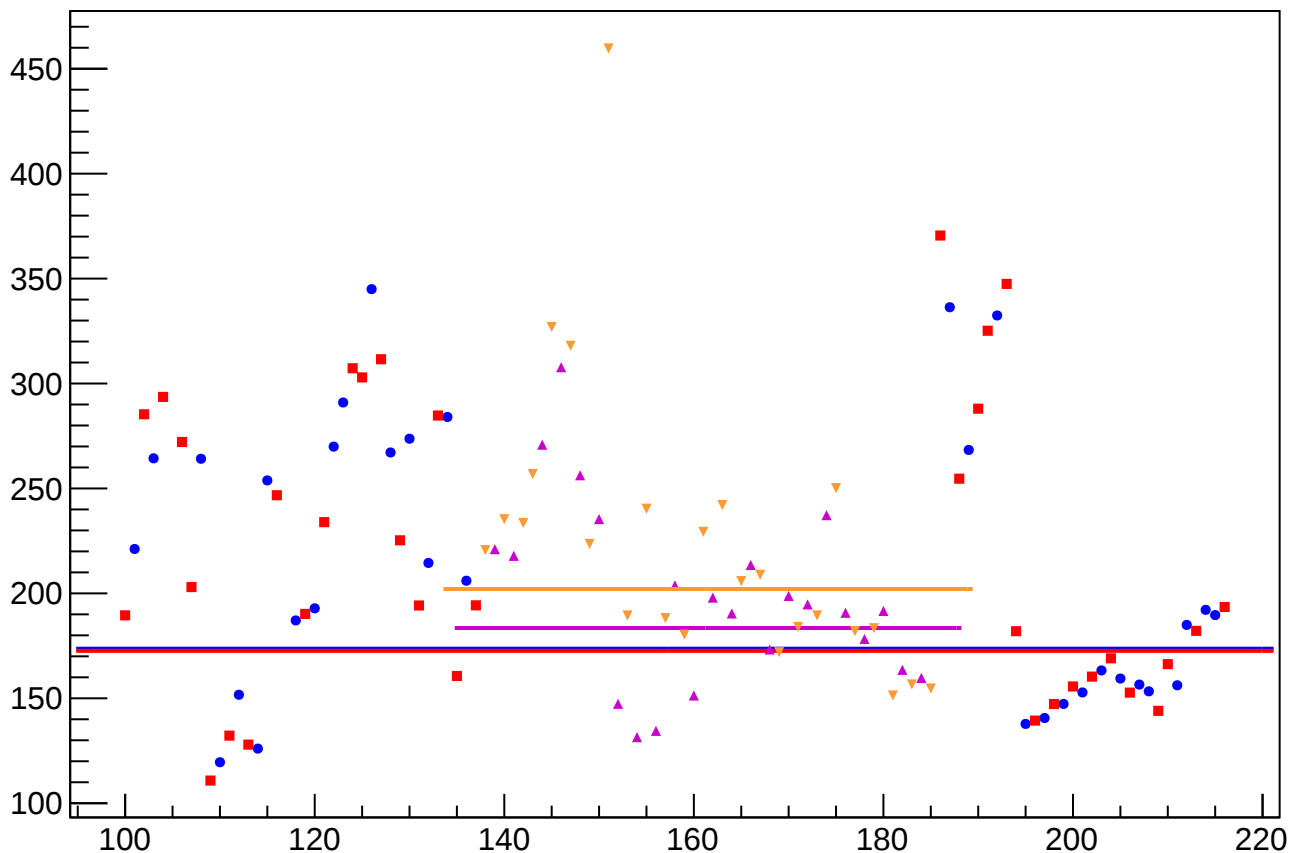
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -23.883 ± 32.365 χ^2/NDF : 26.8/56

All: -4.487 ± 22.548 χ^2/NDF : 48.8/114

- sign 13.805 ± 31.431 χ^2/NDF : 21.3/57

asym_bcm_dg_ds_rms vs Slug



Right In: 173.628 $\pm$ 0.031 χ^2 /NDF: 2140410.9/31

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 172.620 $\pm$ 0.030 χ^2 /NDF: 2788360.7/34

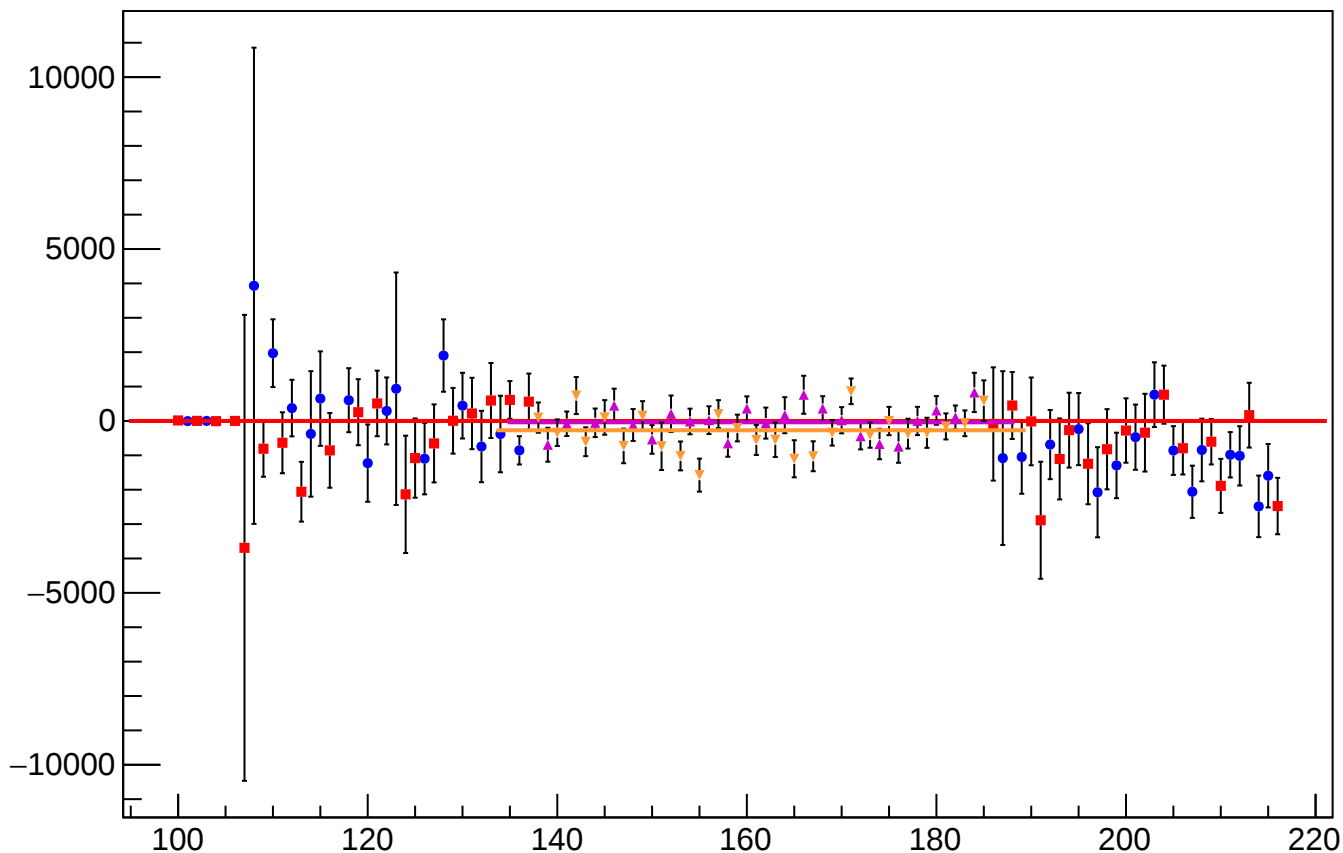
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 186.152 $\pm$ 0.023 χ^2 /NDF: 4214092.9/56

All: 181.804 $\pm$ 0.016 χ^2 /NDF: 8615606.9/114

- sign 177.703 $\pm$ 0.022 χ^2 /NDF: 4331374.9/57

asym_cav4bQ_mean vs Slug



Right In: -1.627 ± 2.251 χ^2/NDF : 48.3/31

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.779 ± 2.111 χ^2/NDF : 42.6/34

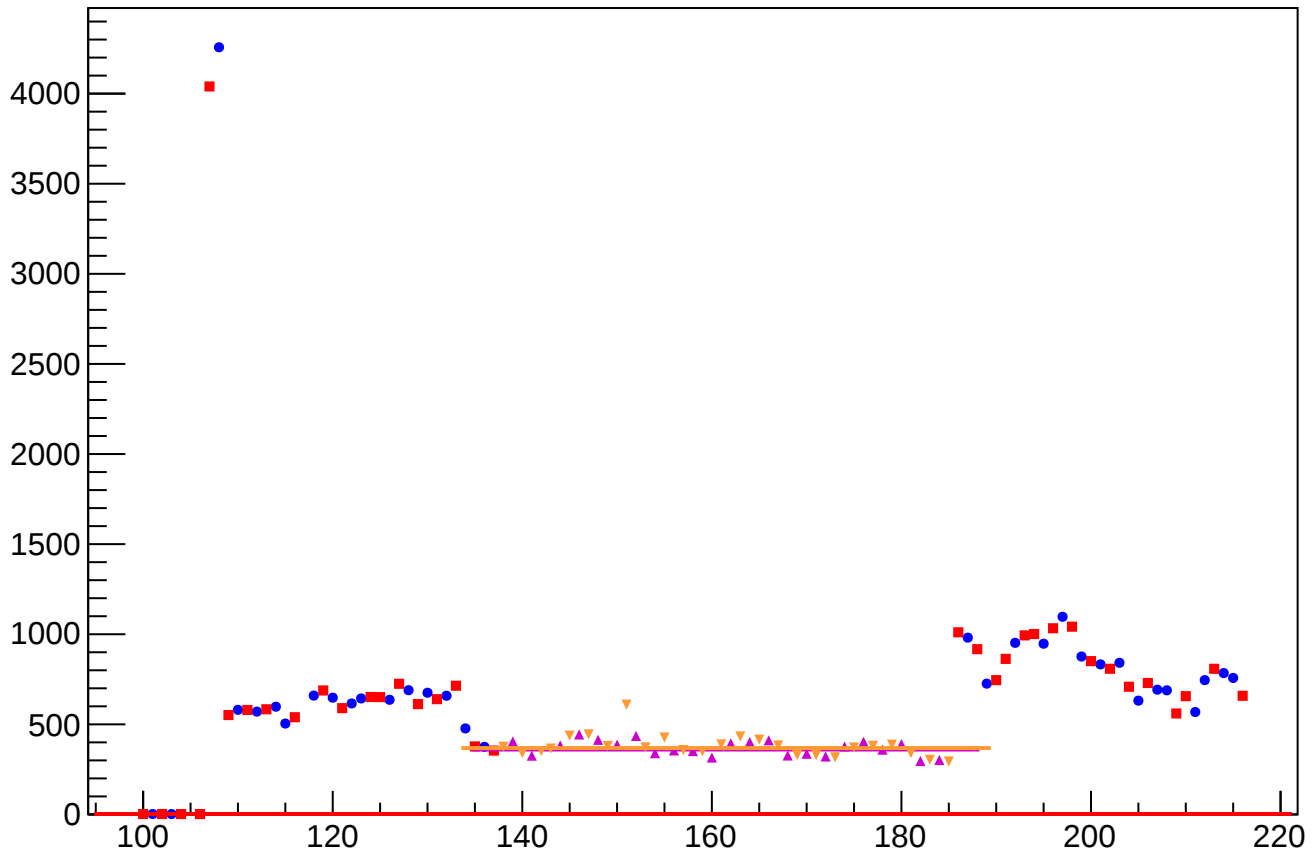
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.807 ± 2.251 χ^2/NDF : 95.9/56

All: -1.272 ± 1.539 χ^2/NDF : 159.1/114

- sign -0.801 ± 2.110 χ^2/NDF : 63.0/57

asym_cav4bQ_rms vs Slug



Right In: 2.525 $\pm$ 0.002 χ^2 /NDF: 31804217.8/31

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF: 622466.1/24

Right Out: 2.495 $\pm$ 0.001 χ^2 /NDF: 32437715.3/34

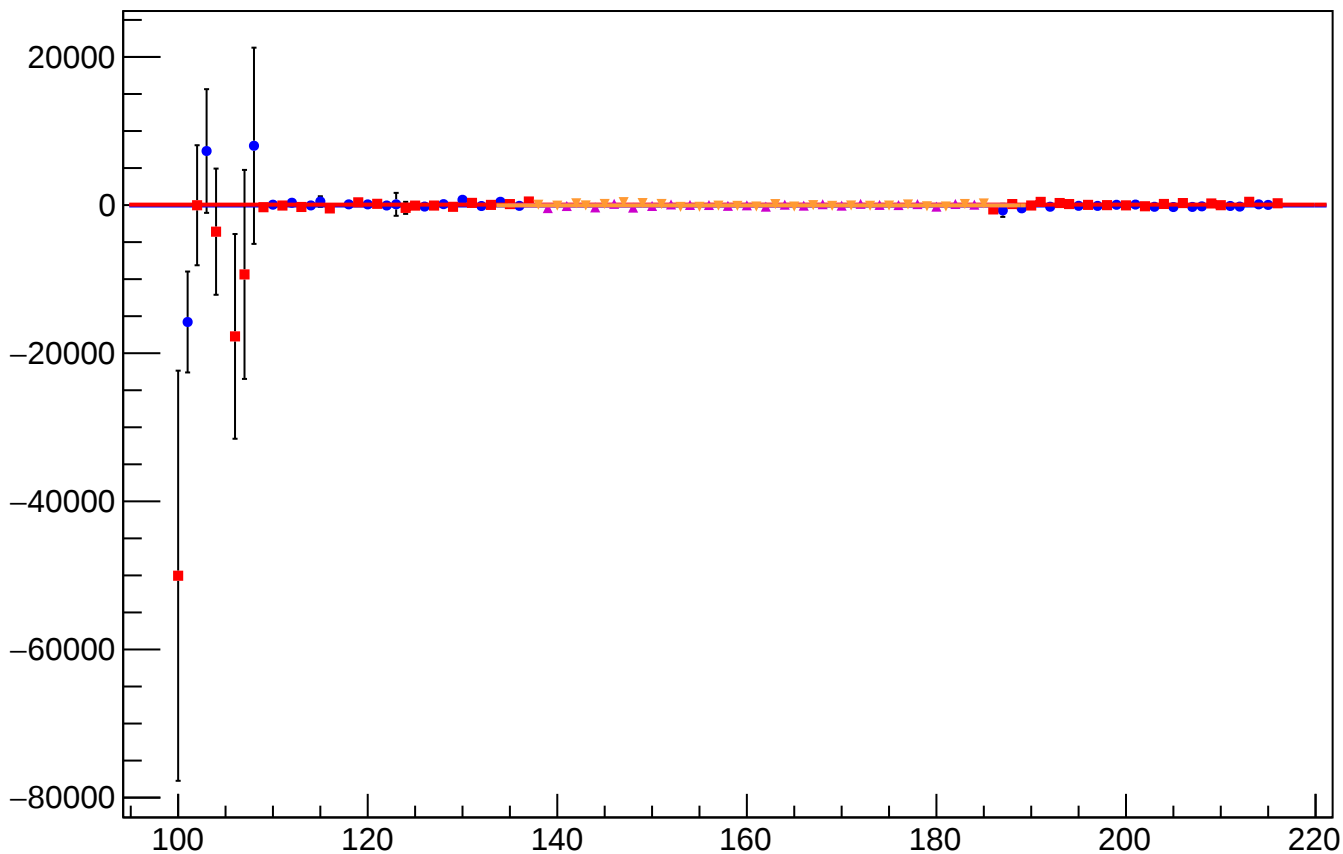
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF: 417739.4/22

+ sign 2.770 $\pm$ 0.002 χ^2 /NDF: 67800825.4/56

All: 2.734 $\pm$ 0.001 χ^2 /NDF: 133896121.0/114

- sign 2.702 $\pm$ 0.001 χ^2 /NDF: 66094339.7/57

asym_cav4cQ_mean vs Slug



Right In: -58.544 $\pm$ 47.096 χ^2 /NDF: 22.0/31

Left Out: -38.013 $\pm$ 49.628 χ^2 /NDF: 9.3/24

Right Out: 62.735 $\pm$ 47.540 χ^2 /NDF: 24.7/34

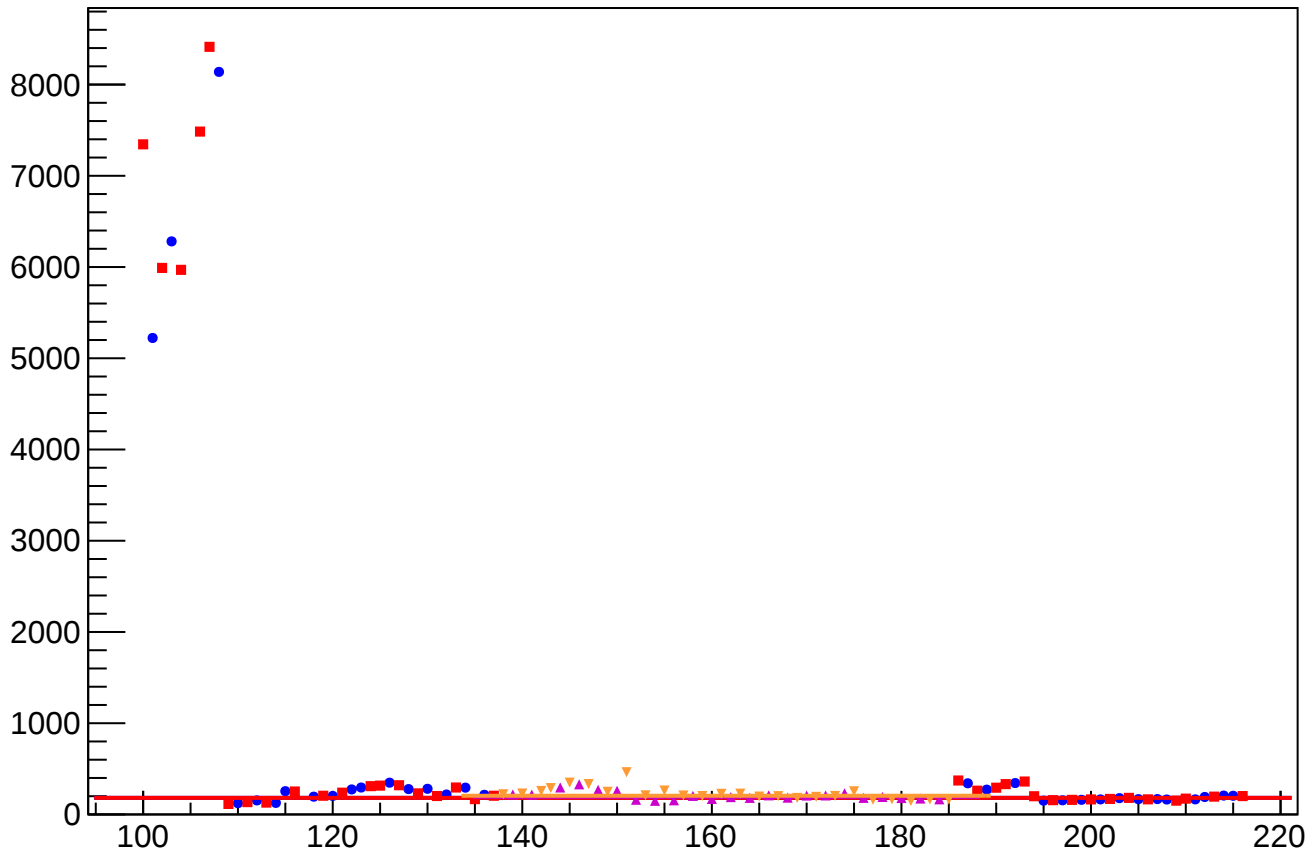
Left In: -28.205 $\pm$ 48.167 χ^2 /NDF: 9.2/22

+ sign -48.816 $\pm$ 34.162 χ^2 /NDF: 31.4/56

All: -15.157 $\pm$ 24.040 χ^2 /NDF: 69.0/114

- sign 17.861 $\pm$ 33.835 χ^2 /NDF: 35.7/57

asym_cav4cQ_rms vs Slug



Right In: 182.005 $\pm$ 0.033 χ^2 /NDF: 4580681.9/31

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF: 1956045.1/24

Right Out: 181.795 $\pm$ 0.034 χ^2 /NDF: 5437991.3/34

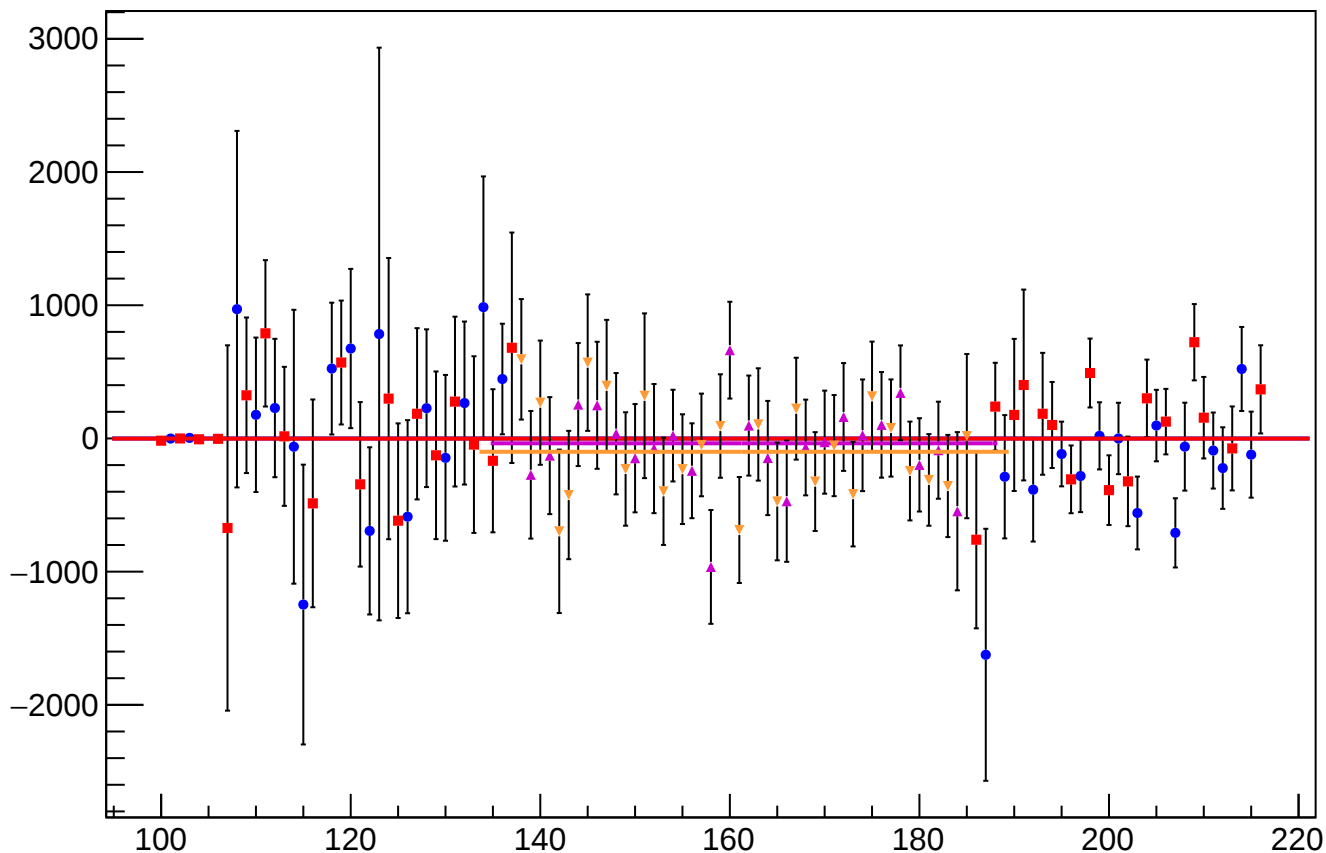
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF: 1172169.3/22

+ sign 192.913 $\pm$ 0.024 χ^2 /NDF: 6763188.0/56

All: 190.193 $\pm$ 0.017 χ^2 /NDF: 13457330.3/13

- sign 187.524 $\pm$ 0.024 χ^2 /NDF: 6669014.3/57

asym_cav4dQ_mean vs Slug



Right In: -0.224 ± 1.736 χ^2/NDF : 31.0/31

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.279 ± 1.622 χ^2/NDF : 29.4/34

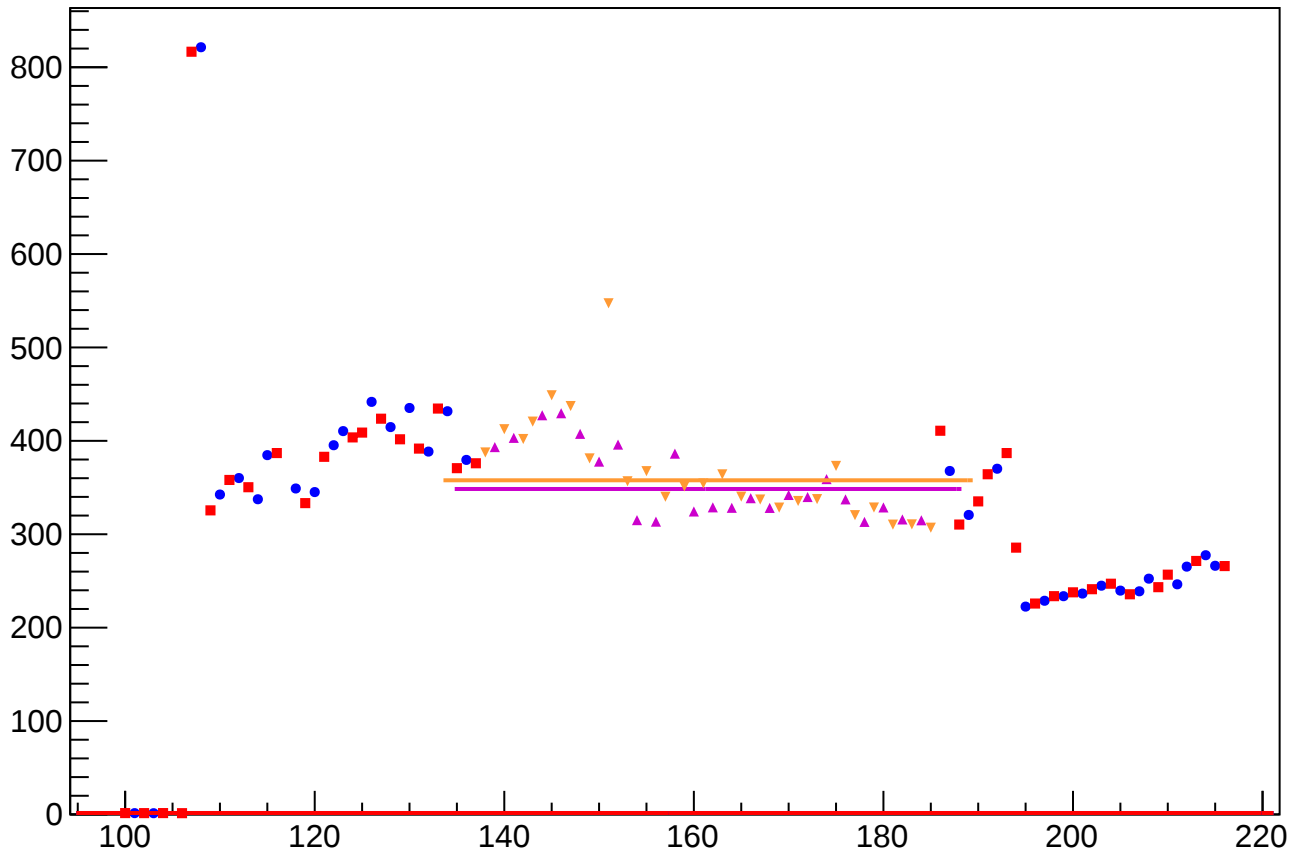
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.266 ± 1.736 χ^2/NDF : 48.1/56

All: -0.814 ± 1.185 χ^2/NDF : 91.3/114

- sign -1.292 ± 1.622 χ^2/NDF : 43.1/57

asym_cav4dQ_rms vs Slug



Right In: 1.578+/-0.001 χ^2/NDF : 32076692.1/31

Left Out: 357.771+/-0.060 χ^2/NDF : 547124.8/24

Right Out: 1.557+/-0.001 χ^2/NDF : 32142526.1/34

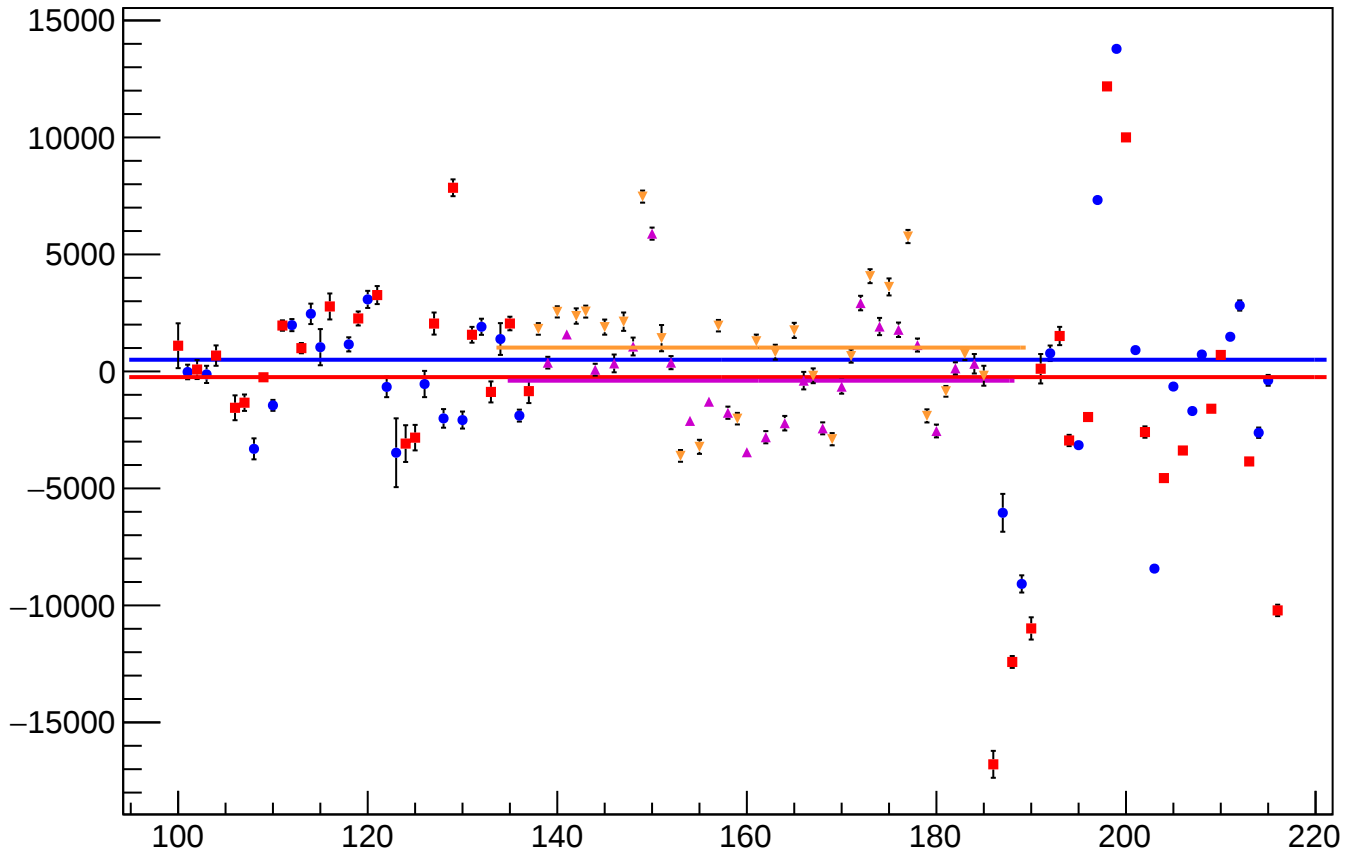
Left In: 348.464+/-0.060 χ^2/NDF : 360425.7/22

+ sign 1.729+/-0.001 χ^2/NDF : 68408540.6/56

All: 1.705+/-0.001 χ^2/NDF : 134469325.7/114

- sign 1.684+/-0.001 χ^2/NDF : 66060049.8/57

asym_bcm0l02_mean vs Slug



Right In: 499.094 $\pm$ 46.626 χ^2 /NDF: 11173.1/31

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF: 2310.1/24

Right Out: -243.371 $\pm$ 46.292 χ^2 /NDF: 15416.6/34

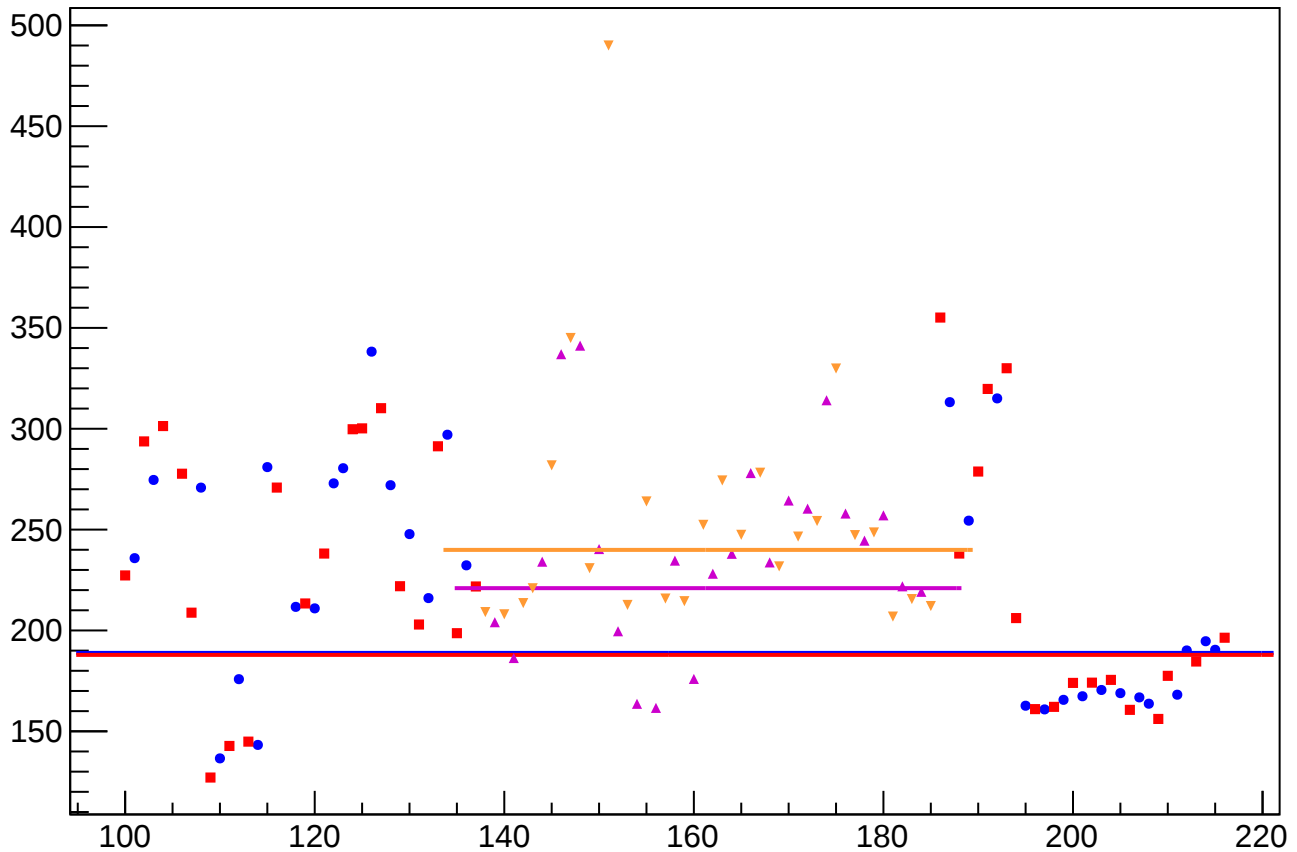
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF: 1581.0/22

+ sign 705.748 $\pm$ 36.191 χ^2 /NDF: 13532.6/56

All: 188.878 $\pm$ 25.322 χ^2 /NDF: 30934.3/114

- sign -306.792 $\pm$ 35.441 χ^2 /NDF: 17002.1/57

asym_bcm0l02_rms vs Slug



Right In: 188.871+/-0.033 χ^2/NDF : 1547197.4/31

Left Out: 239.942+/-0.041 χ^2/NDF :1000770.0/24

Right Out: 187.892+/-0.033 χ^2/NDF : 2124150.4/34

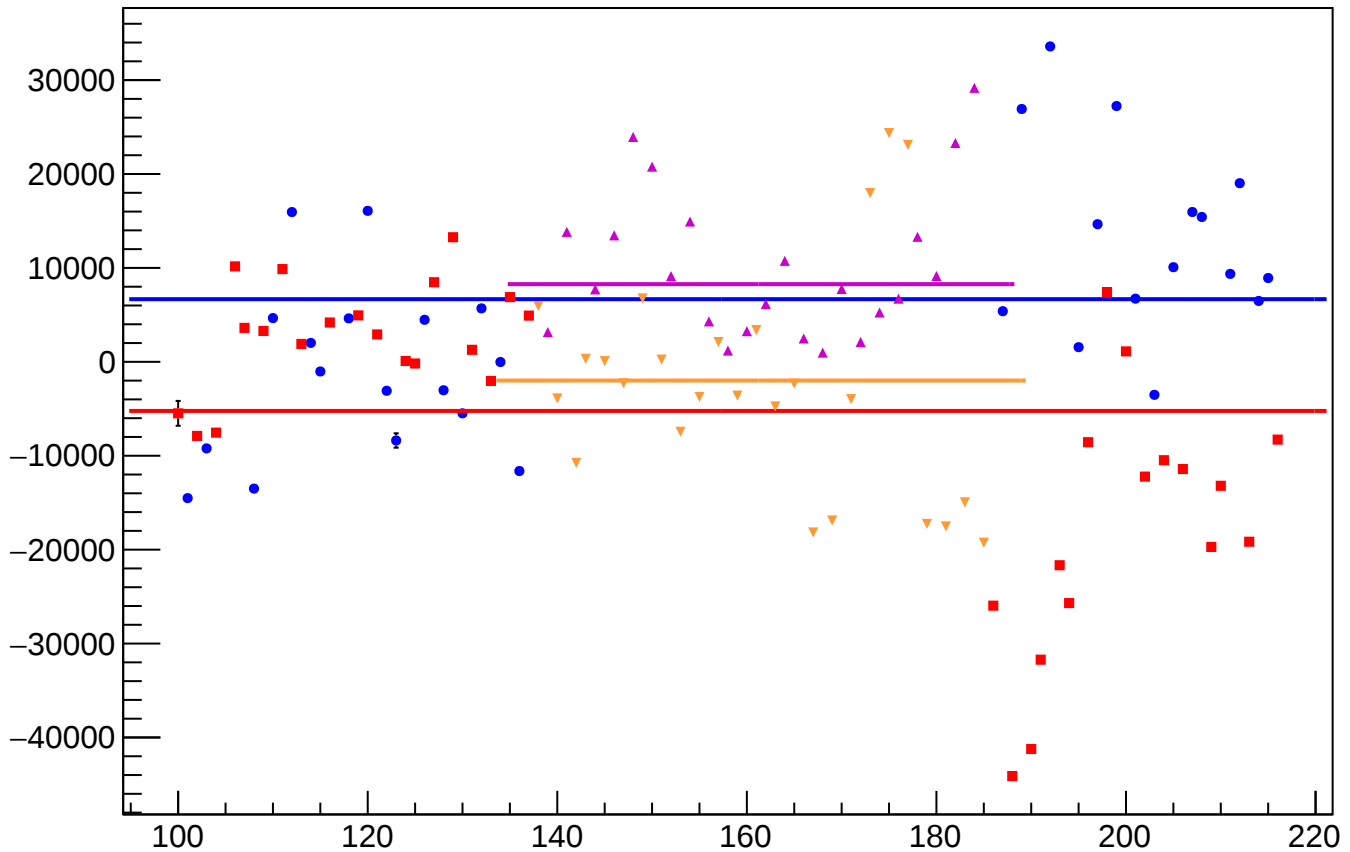
Left In: 220.972+/-0.039 χ^2/NDF :1327680.6/22

+ sign 209.172+/-0.026 χ^2/NDF : 3501779.0/56

All: 205.298+/-0.018 χ^2/NDF : 7421172.8/114

- sign 201.583+/-0.025 χ^2/NDF : 3874493.5/57

asym_bpm0i02WS_mean vs Slug



Right In: 6672.533+/-39.654 χ^2/NDF : 93771.6/31

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

+ sign 2632.672+/-28.970 χ^2/NDF : 179797.7/56

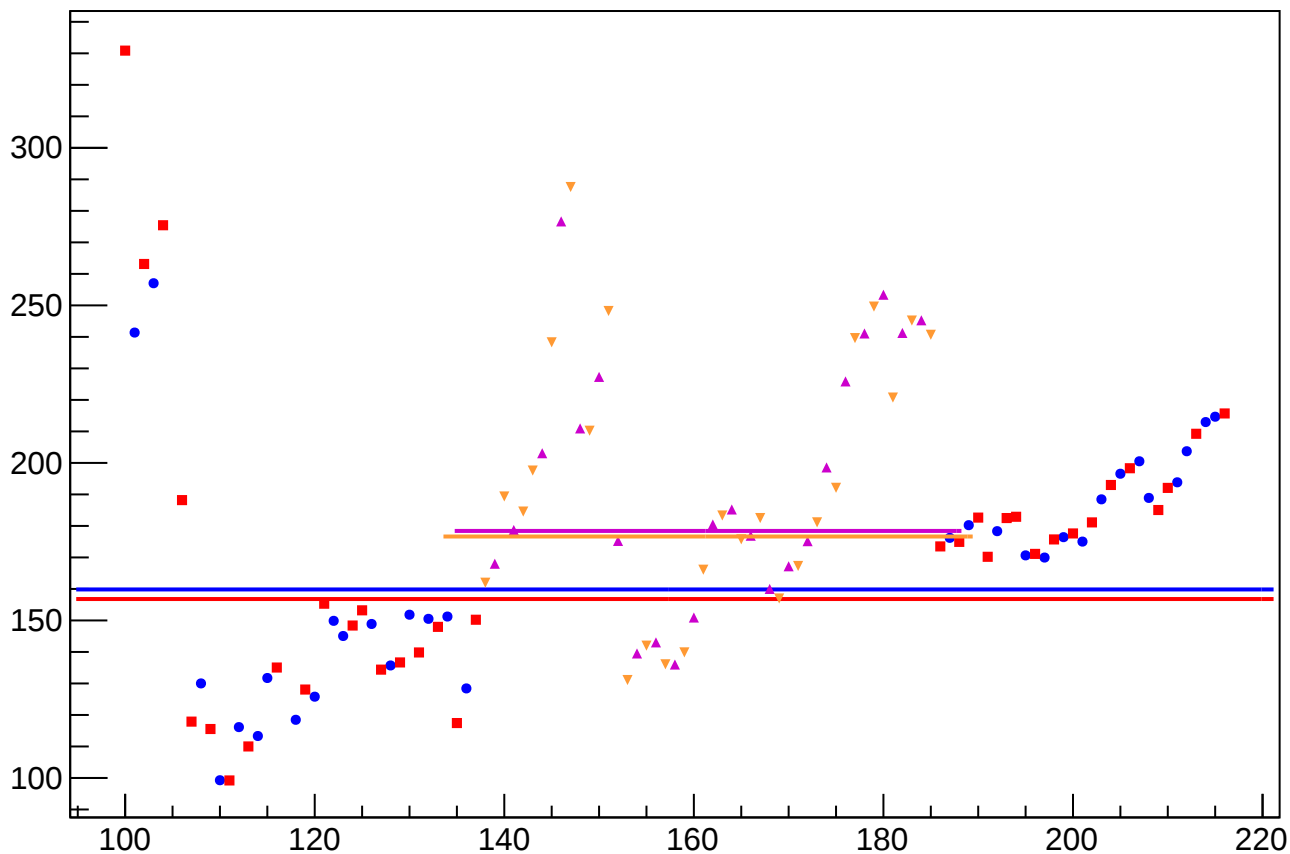
Right Out: -5228.076+/-38.359 χ^2/NDF : 144170.6/34

All: 1595.851+/-20.495 χ^2/NDF : 402485.1/11

- sign 556.993+/-28.999 χ^2/NDF : 220123.2/57

Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

asym_bpm0i02WS_rms vs Slug



Right In: 159.839 $\pm$ 0.028 χ^2 /NDF: 1625934.8/31

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 156.797 $\pm$ 0.027 χ^2 /NDF: 1829154.3/34

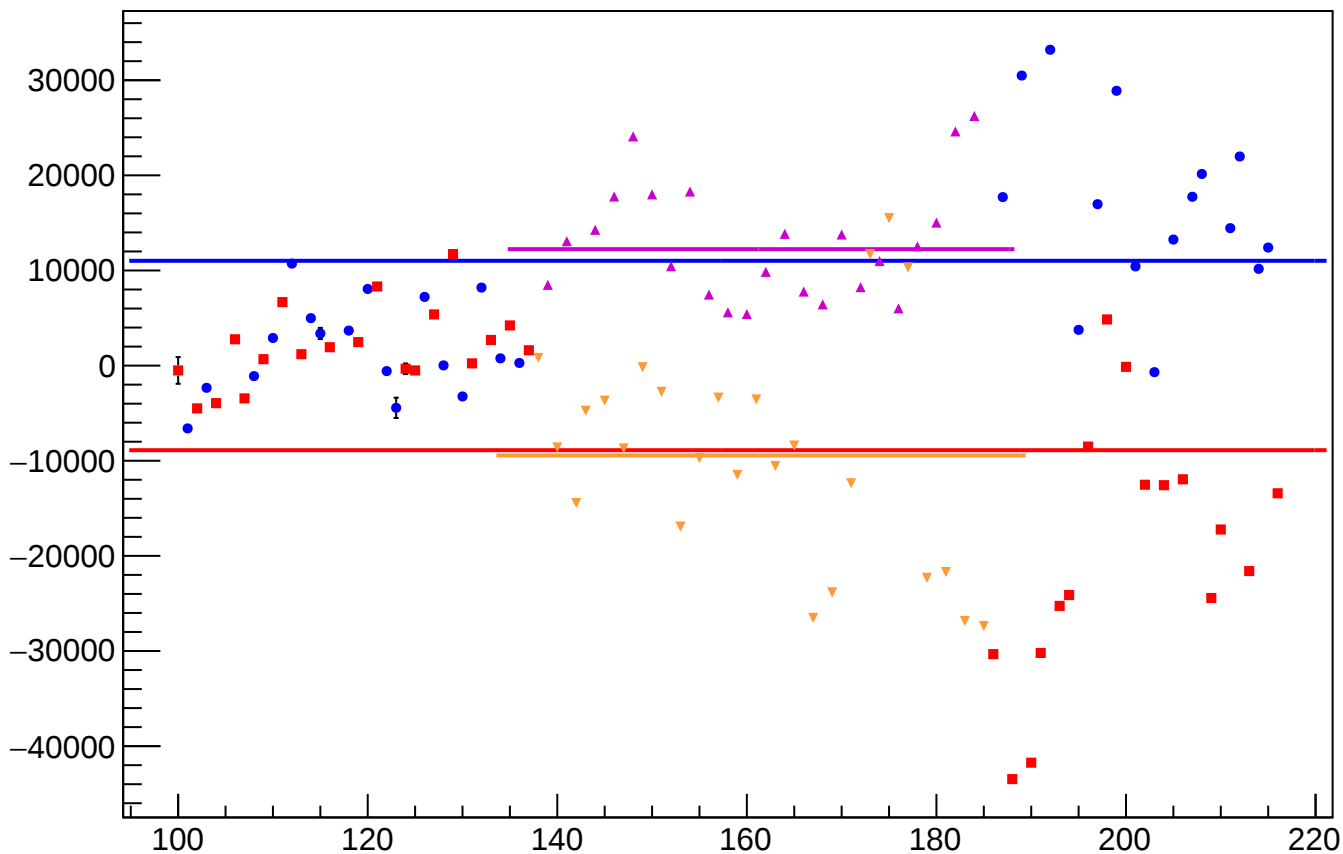
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 167.673 $\pm$ 0.020 χ^2 /NDF: 3344390.1/56

All: 166.867 $\pm$ 0.014 χ^2 /NDF: 6742526.7/114

- sign 166.059 $\pm$ 0.021 χ^2 /NDF: 3395035.5/57

asym_bpm0i02aWS_mean vs Slug



Right In: 11017.661 $\pm$ 43.579 χ^2 /NDF: 55173.7/31

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF: 62220.4/24

Right Out: -8890.872 $\pm$ 42.359 χ^2 /NDF: 115979.5/34

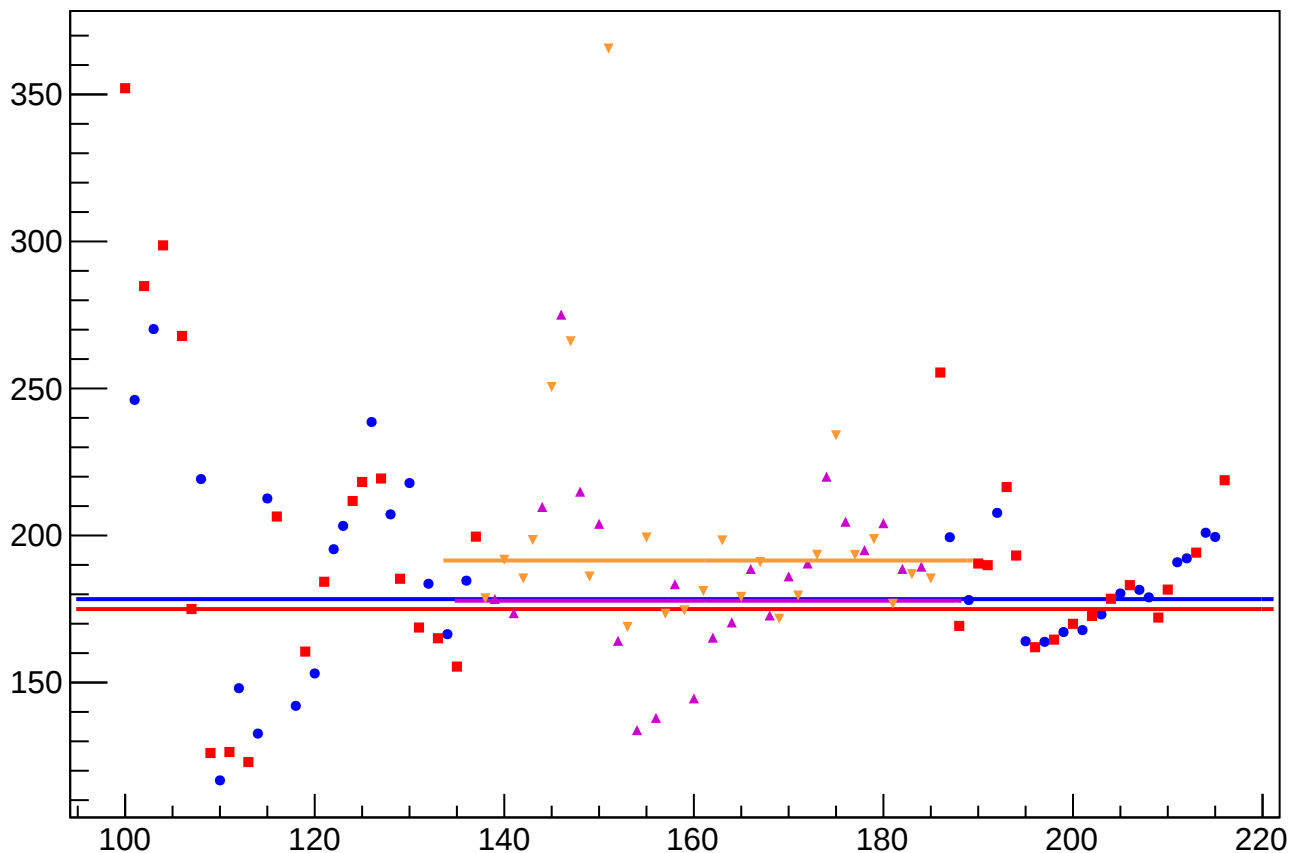
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF: 16615.8/22

+ sign 1238.660 $\pm$ 31.484 χ^2 /NDF: 222719.8/56

All: 1263.850 $\pm$ 21.905 χ^2 /NDF: 475199.3/11

- sign 1287.486 $\pm$ 30.497 χ^2 /NDF: 252478.3/57

asym_bpm0i02aWS_rms vs Slug



Right In: 178.360+/-0.031 χ^2/NDF : 819184.8/31

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 174.976+/-0.030 χ^2/NDF : 1204608.1/34

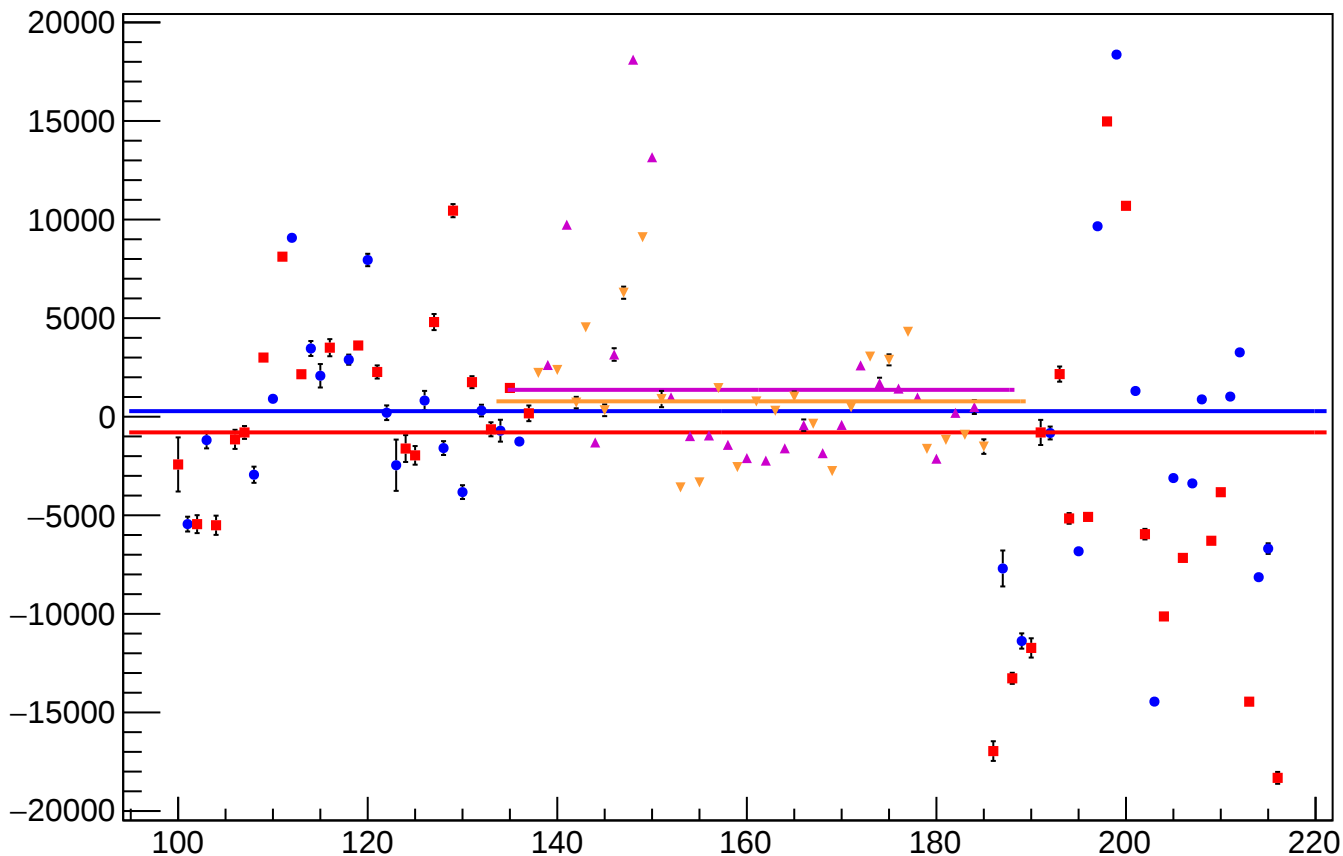
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 184.645+/-0.022 χ^2/NDF : 1633453.4/56

All: 180.364+/-0.015 χ^2/NDF : 3776589.1/114

- sign 176.347+/-0.022 χ^2/NDF : 2071448.9/57

asym_bpm0i05WS_mean vs Slug



Right In: 282.412 ± 48.813 χ^2/NDF : 22329.3/31

Left Out: 779.983 ± 47.457 χ^2/NDF : 4260.8/24

Right Out: -795.328 ± 47.652 χ^2/NDF : 28417.2/34

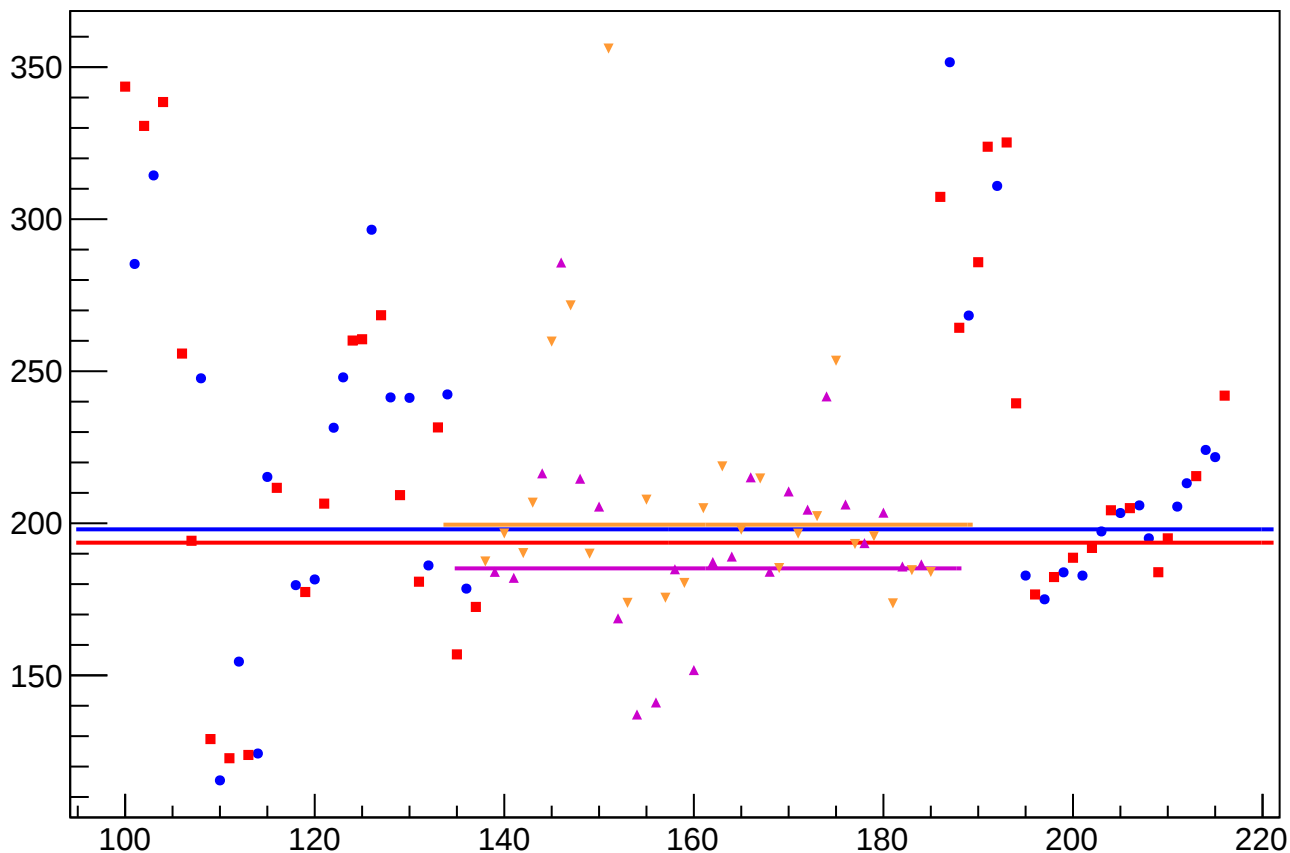
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 538.201 ± 34.026 χ^2/NDF : 26643.4/56

All: 429.169 ± 23.698 χ^2/NDF : 67779.7/114

- sign 326.470 ± 33.023 χ^2/NDF : 41116.3/57

asym_bpm0i05WS_rms vs Slug



Right In: 198.008 ± 0.035 χ^2/NDF : 1468370.0/31

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 193.625 ± 0.034 χ^2/NDF : 2215673.2/34

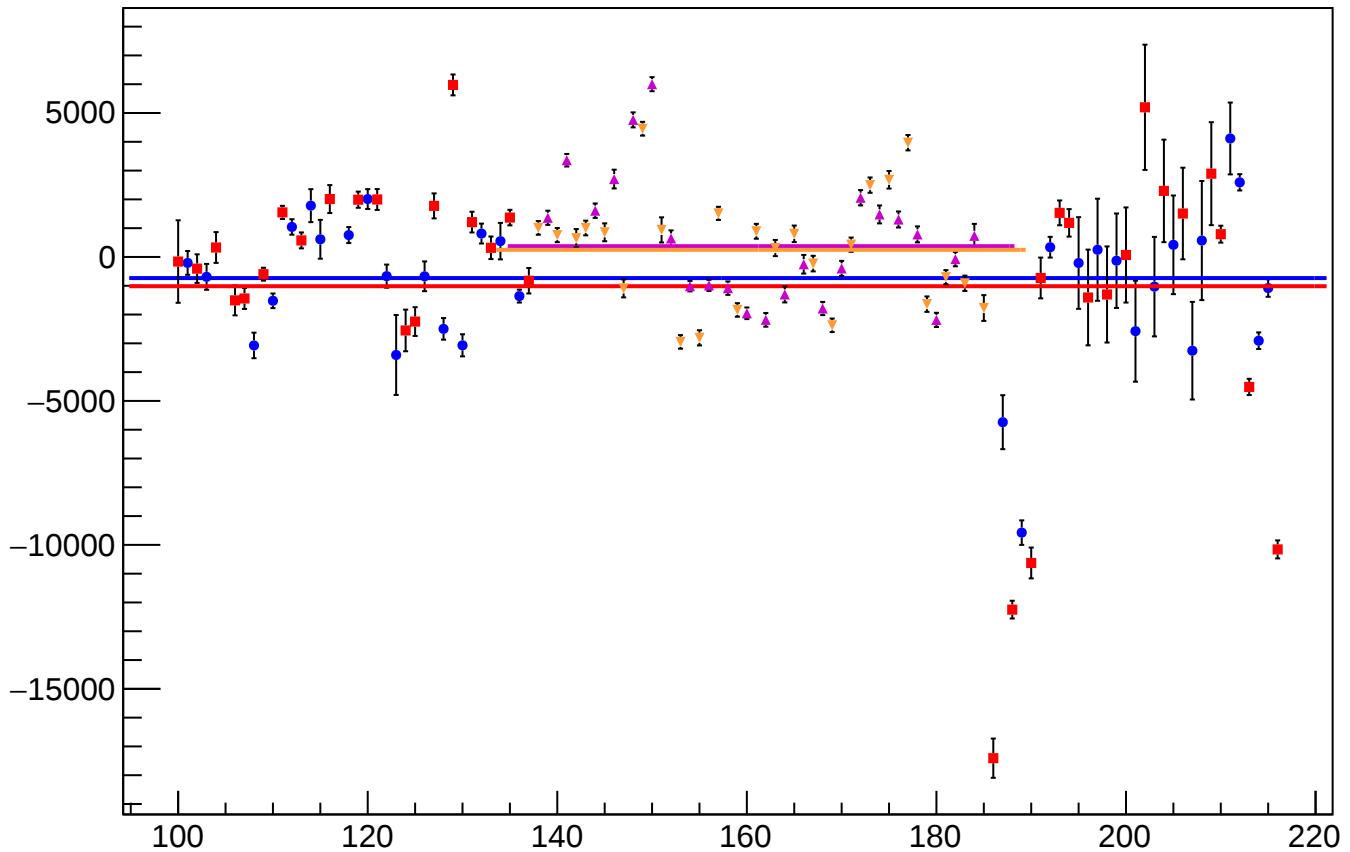
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 198.799 ± 0.024 χ^2/NDF : 2198747.3/56

All: 193.872 ± 0.017 χ^2/NDF : 5411334.7/114

- sign 189.231 ± 0.023 χ^2/NDF : 3131142.7/57

asym_bpm0i07WS_mean vs Slug



Right In: -733.485+/-74.568 χ^2/NDF : 977.3/31

Left Out: 247.844+/-53.555 χ^2/NDF :1355.1/24

Right Out: -1015.856+/-68.610 χ^2/NDF : 4295.2/34

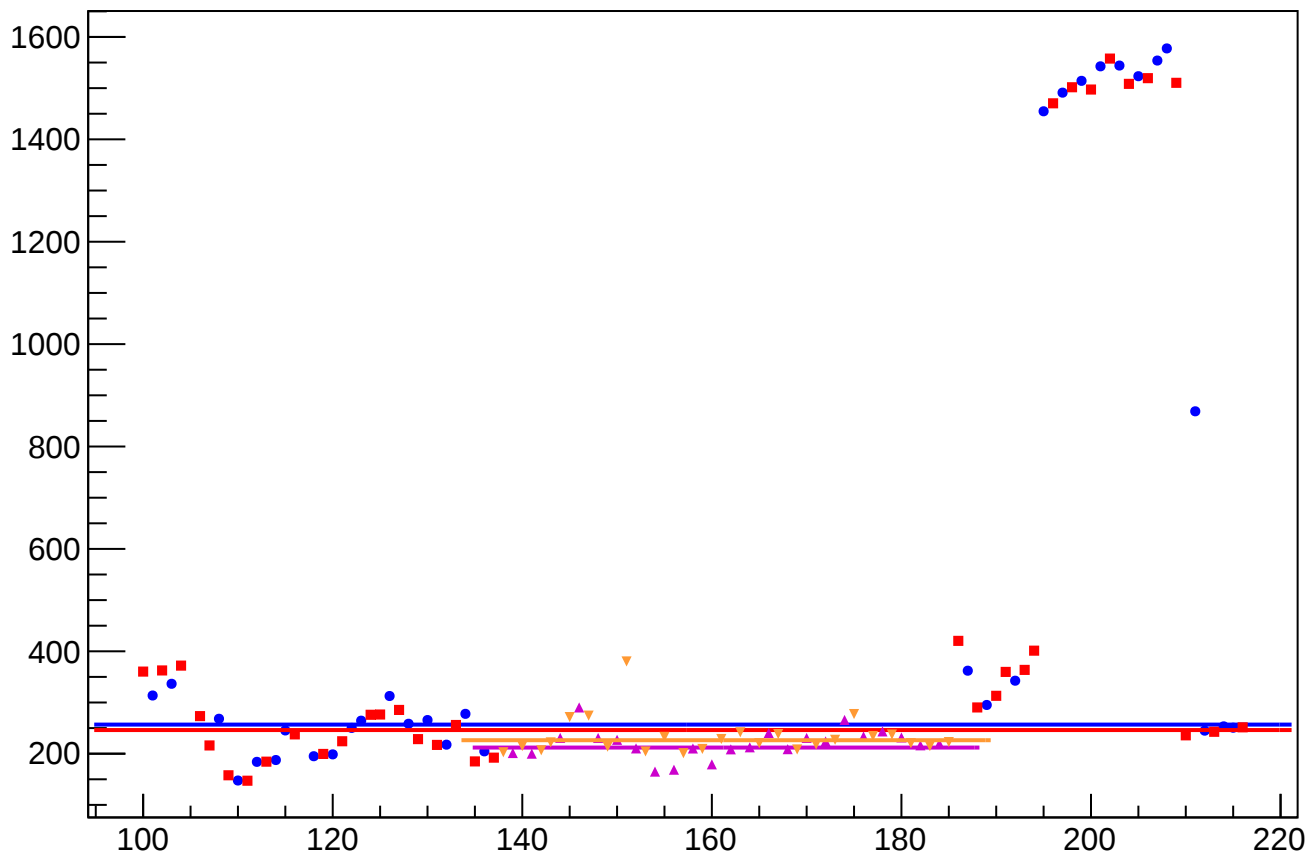
Left In: 374.122+/-52.049 χ^2/NDF :1801.0/22

+ sign -86.089+/-43.499 χ^2/NDF : 2446.6/56

All: -110.985+/-30.014 χ^2/NDF : 8803.9/114

- sign -133.610+/-41.467 χ^2/NDF : 6356.7/57

asym_bpm0i07WS_rms vs Slug



Right In: 256.836 $\pm$ 0.053 χ^2 /NDF: 10146968.3/31

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 246.170 $\pm$ 0.049 χ^2 /NDF: 9273928.5/34

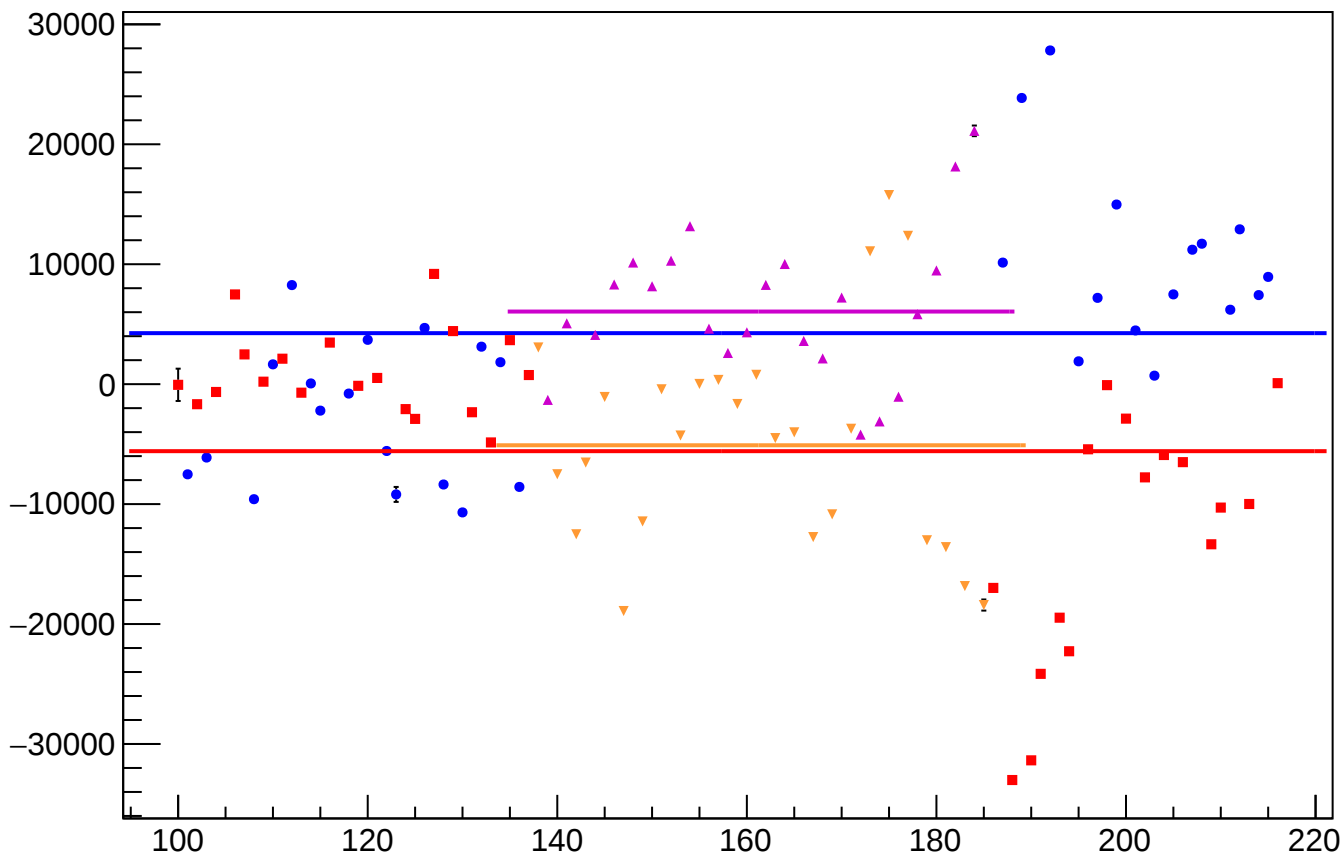
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 236.705 $\pm$ 0.031 χ^2 /NDF: 10888959.7/56

All: 230.291 $\pm$ 0.021 χ^2 /NDF: 21145642.8/11

- sign 224.463 $\pm$ 0.029 χ^2 /NDF: 10173680.6/57

asym_bpm1i02WS_mean vs Slug



Right In: 4252.380 ± 33.717 $\chi^2/\text{NDF}: 80123.8/31$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

Right Out: -5587.122 ± 32.382 $\chi^2/\text{NDF}: 104525.7/34$

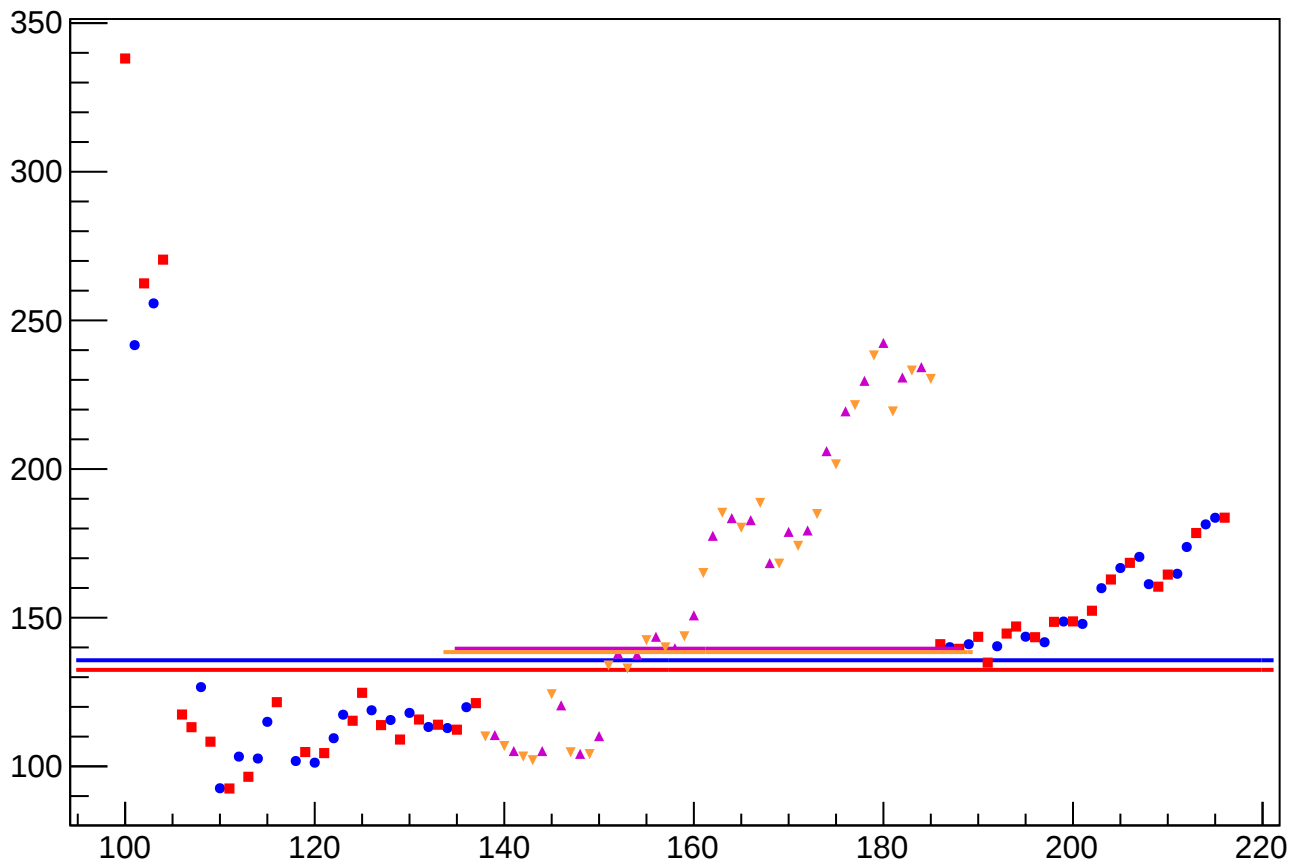
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -423.394 ± 23.837 $\chi^2/\text{NDF}: 172965.1/56$

All: -320.393 ± 16.831 $\chi^2/\text{NDF}: 354721.0/11$

- sign -217.980 ± 23.769 $\chi^2/\text{NDF}: 181718.7/57$

asym_bpm1i02WS_rms vs Slug



Right In: 135.684 $\pm$ 0.024 χ^2 /NDF: 1632037.2/31

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 132.454 $\pm$ 0.023 χ^2 /NDF: 1687712.1/34

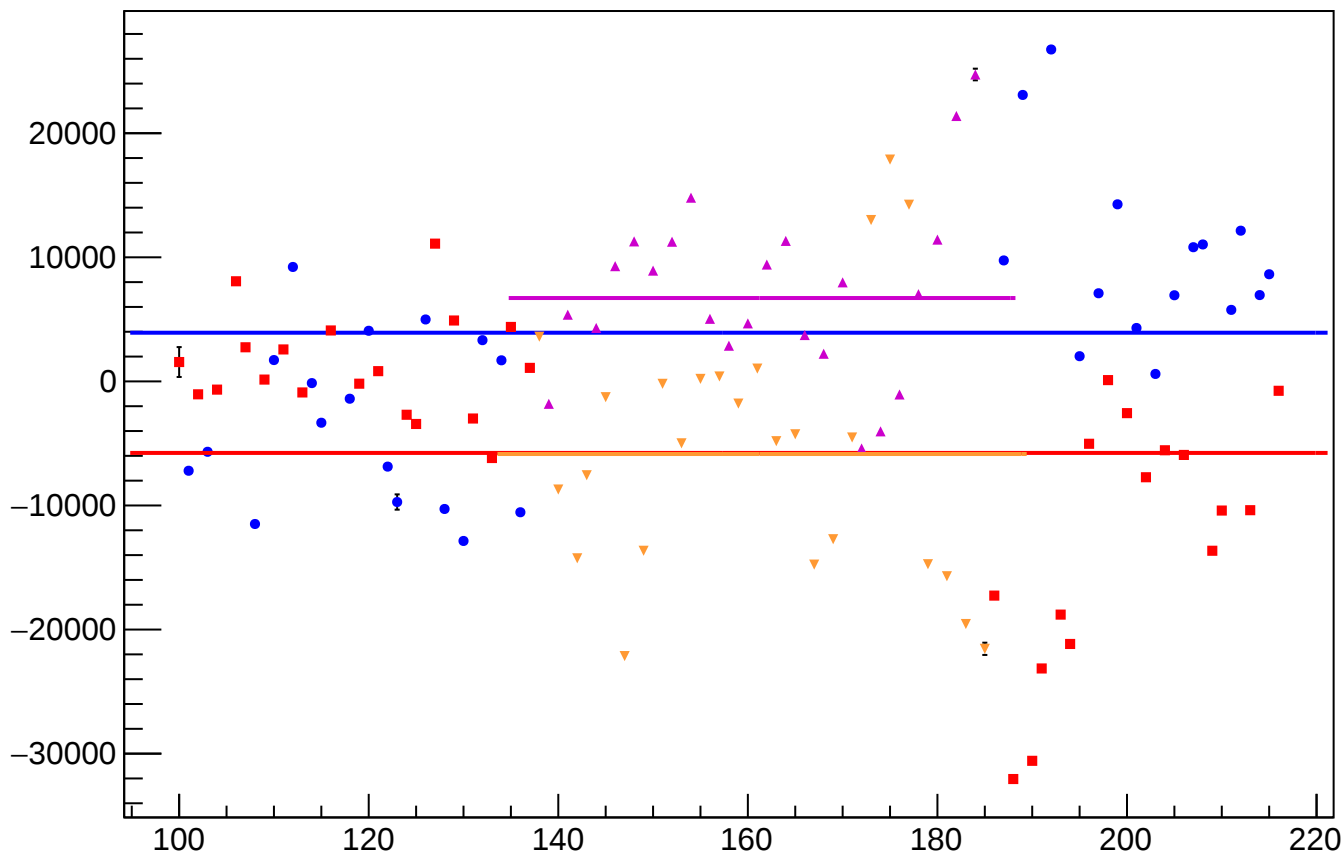
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 137.060 $\pm$ 0.017 χ^2 /NDF: 4188136.2/56

All: 136.398 $\pm$ 0.012 χ^2 /NDF: 8337230.6/114

- sign 135.740 $\pm$ 0.017 χ^2 /NDF: 4146015.8/57

asym_bpm2i01WS_mean vs Slug



Right In: 3922.607 ± 33.640 $\chi^2/\text{NDF}: 85267.5/31$

Left Out: -5852.544 ± 35.880 $\chi^2/\text{NDF}: 63411.4/24$

Right Out: -5764.837 ± 32.469 $\chi^2/\text{NDF}: 105206.3/34$

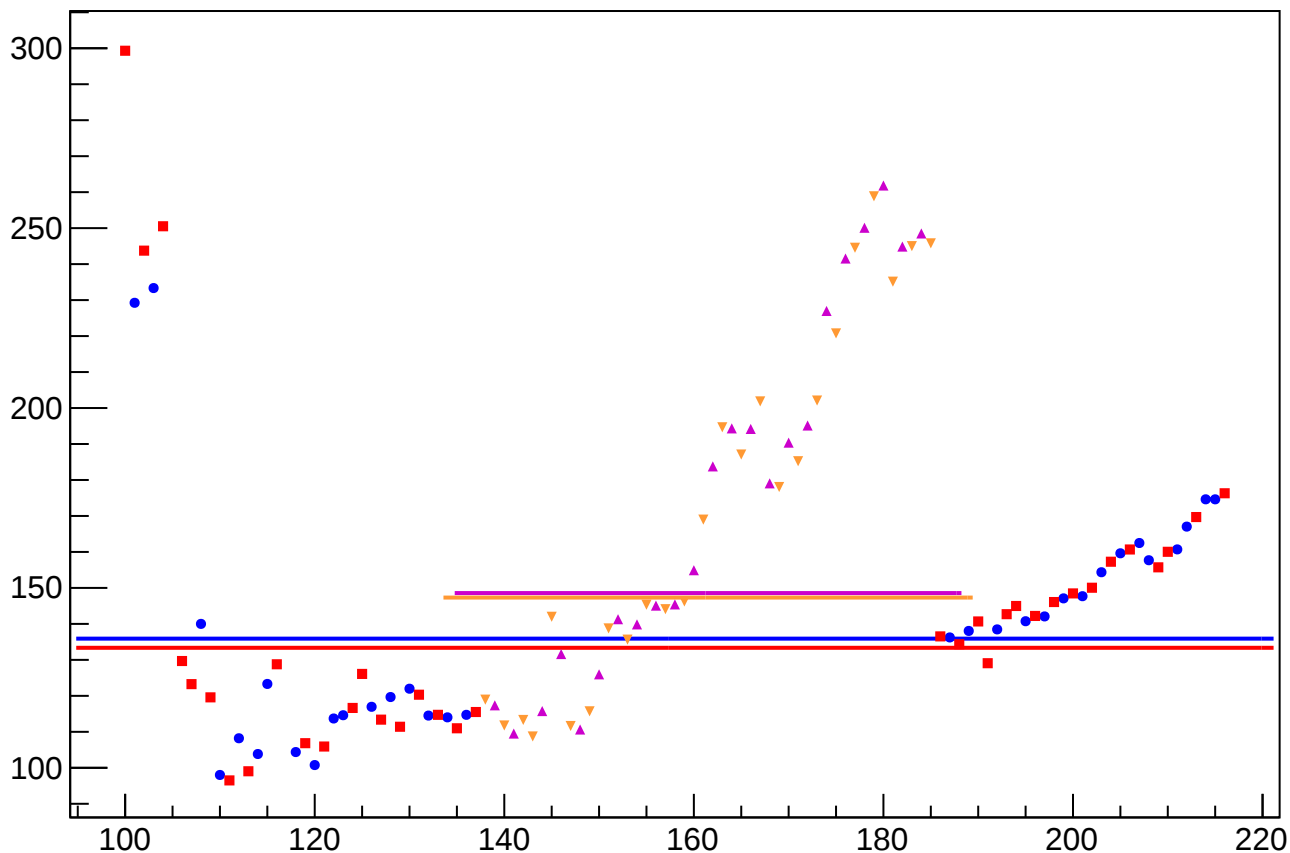
Left In: 6718.475 ± 37.276 $\chi^2/\text{NDF}: 20934.3/22$

+ sign -650.328 ± 24.541 $\chi^2/\text{NDF}: 188180.4/56$

All: -514.522 ± 17.333 $\chi^2/\text{NDF}: 378150.6/11$

- sign -379.348 ± 24.483 $\chi^2/\text{NDF}: 189909.1/57$

asym_bpm2i01WS_rms vs Slug



Right In: 135.903+/-0.024 χ^2/NDF : 1285690.1/31

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 133.357+/-0.023 χ^2/NDF : 1307442.8/34

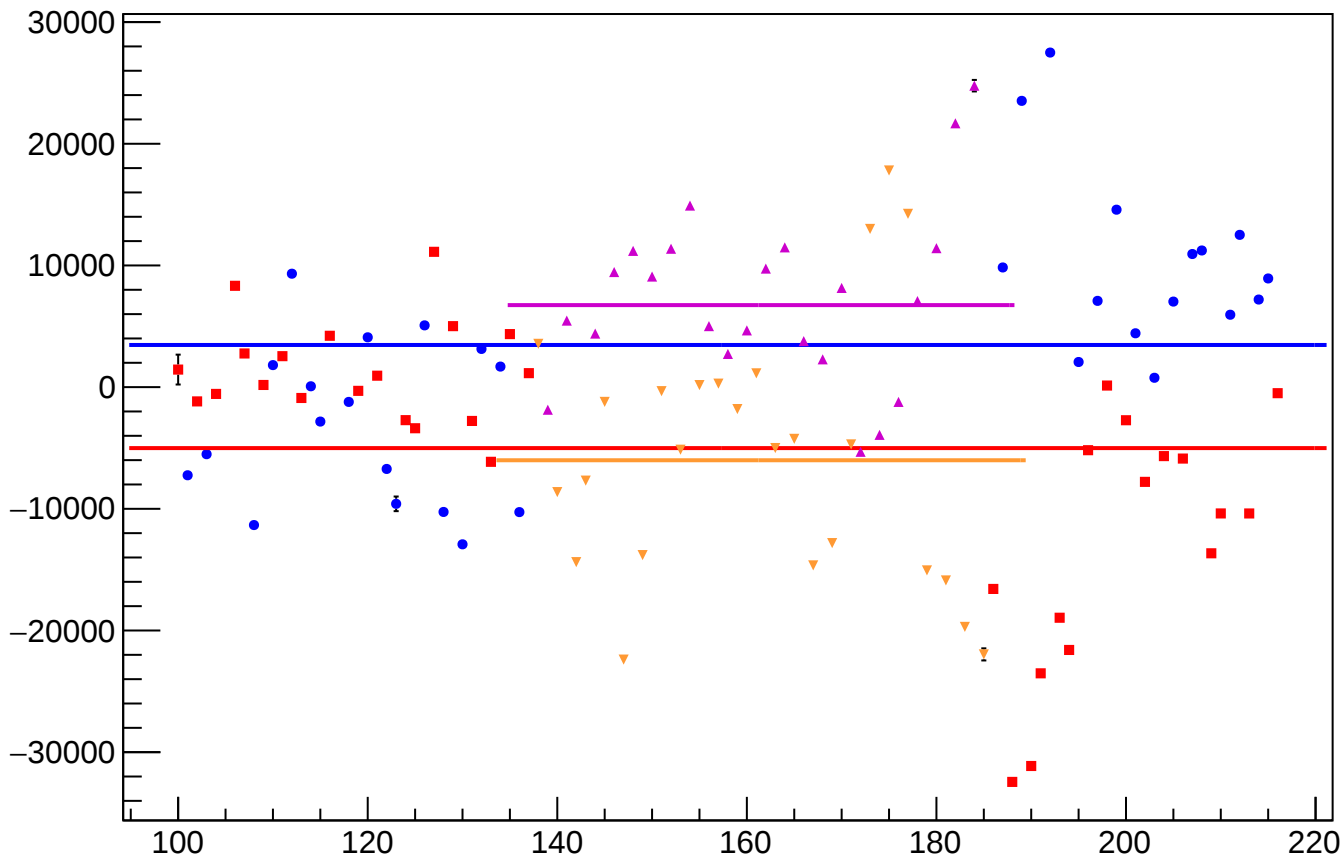
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 141.243+/-0.017 χ^2/NDF : 3905082.0/56

All: 140.580+/-0.012 χ^2/NDF : 7797995.2/114

- sign 139.920+/-0.017 χ^2/NDF : 3889998.9/57

asym_bpm2i02WS_mean vs Slug



Right In: 3464.844+/-33.720 χ^2/NDF : 85119.5/31

Left Out: -6009.913+/-35.082 χ^2/NDF : 67852.2/24

Right Out: -5010.488+/-32.526 χ^2/NDF : 100126.5/34

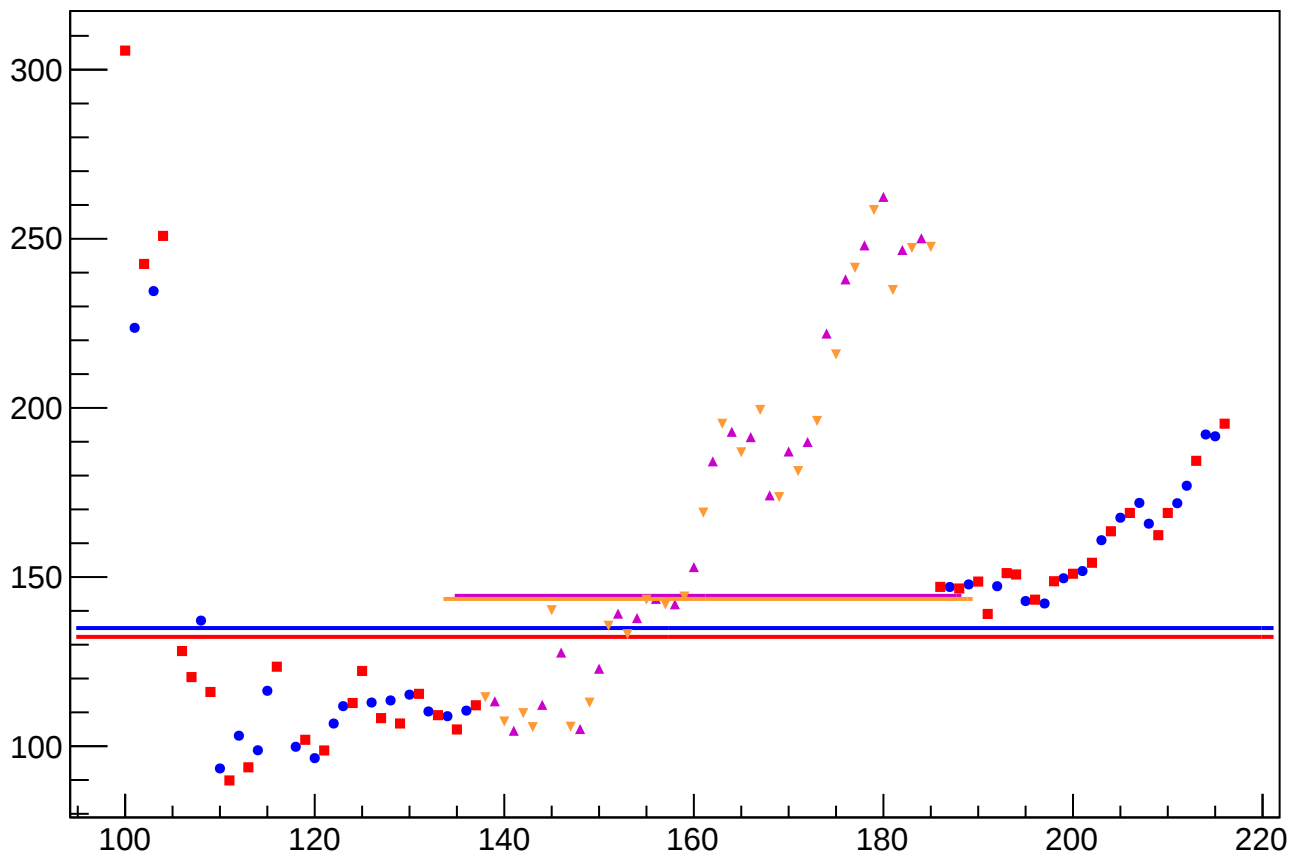
Left In: 6740.666+/-36.379 χ^2/NDF : 22071.8/22

+ sign -1085.005+/-24.311 χ^2/NDF : 190884.8/56

All: -435.856+/-17.168 χ^2/NDF : 372492.8/11

- sign 209.905+/-24.247 χ^2/NDF : 180185.7/57

asym_bpm2i02WS_rms vs Slug



Right In: 134.922 $\pm$ 0.024 χ^2 /NDF: 1824248.1/31

Left Out: 143.531 $\pm$ 0.025 χ^2 /NDF: 2704790.3/24

Right Out: 132.310 $\pm$ 0.023 χ^2 /NDF: 1867609.4/34

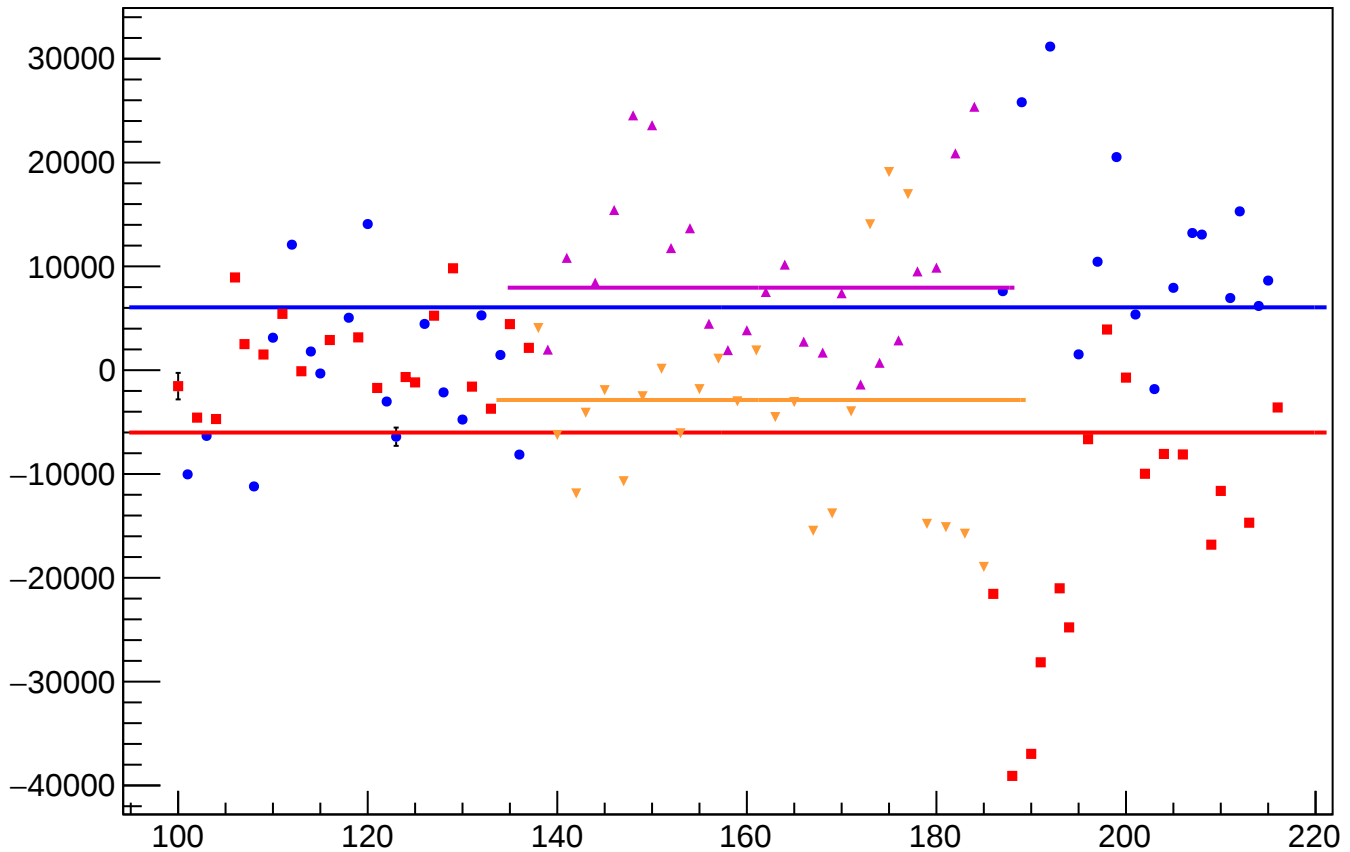
Left In: 144.440 $\pm$ 0.026 χ^2 /NDF: 2586926.1/22

+ sign 139.056 $\pm$ 0.017 χ^2 /NDF: 4591630.2/56

All: 138.376 $\pm$ 0.012 χ^2 /NDF: 9172860.3/114

- sign 137.698 $\pm$ 0.017 χ^2 /NDF: 4578103.2/57

asym_bpm0i01WS_mean vs Slug



Right In: 6054.214 ± 40.608 χ^2/NDF : 63575.0/31

Left Out: -2870.473 ± 39.482 χ^2/NDF : 46420.3/24

Right Out: -6006.197 ± 39.220 χ^2/NDF : 99943.1/34

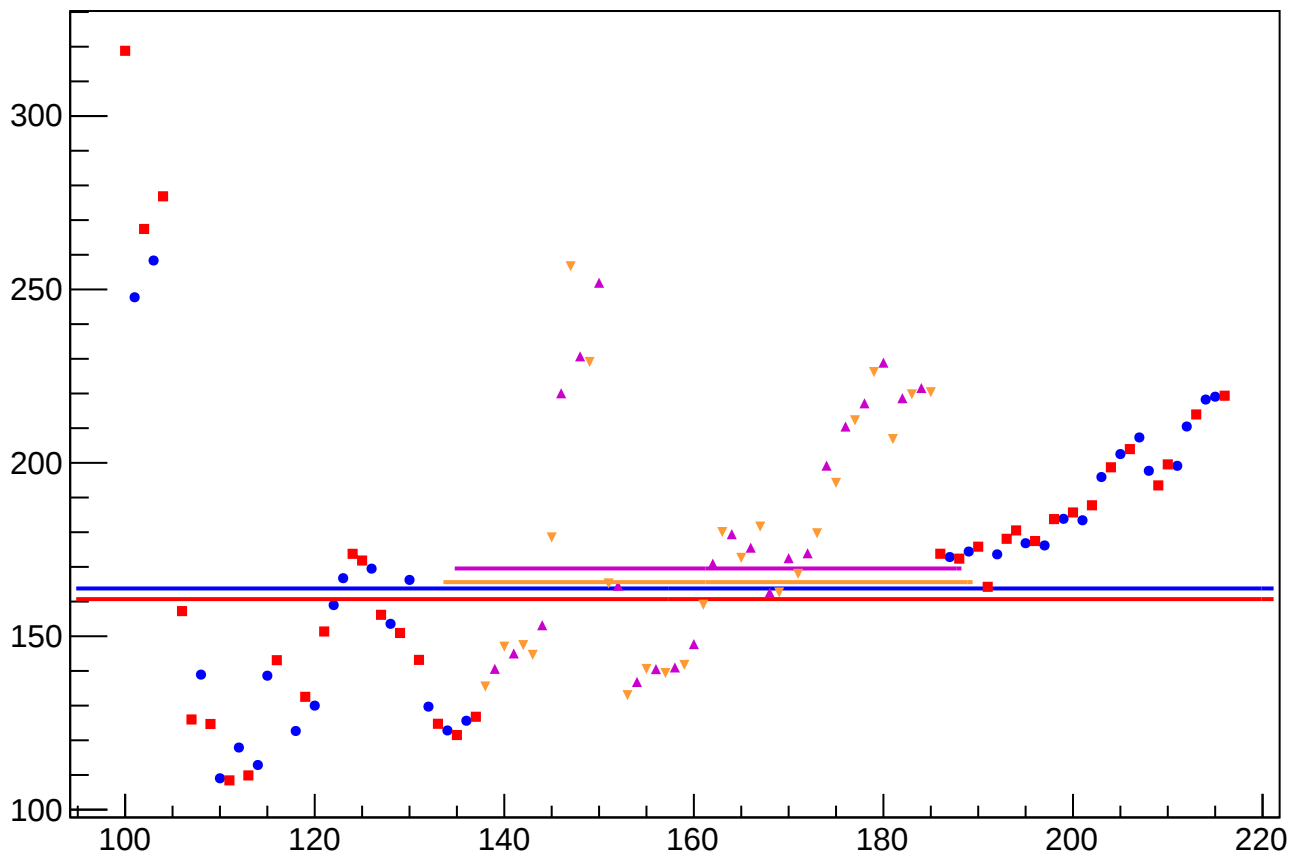
Left In: 7947.160 ± 41.726 χ^2/NDF : 23874.5/22

+ sign 1466.485 ± 28.308 χ^2/NDF : 134825.2/56

All: 1007.086 ± 20.111 χ^2/NDF : 318547.4/11

- sign 538.891 ± 28.577 χ^2/NDF : 183190.4/57

asym_bpm0i01WS_rms vs Slug



Right In: 163.776+/-0.029 χ^2/NDF : 1649199.4/31

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 160.707+/-0.028 χ^2/NDF : 1697593.9/34

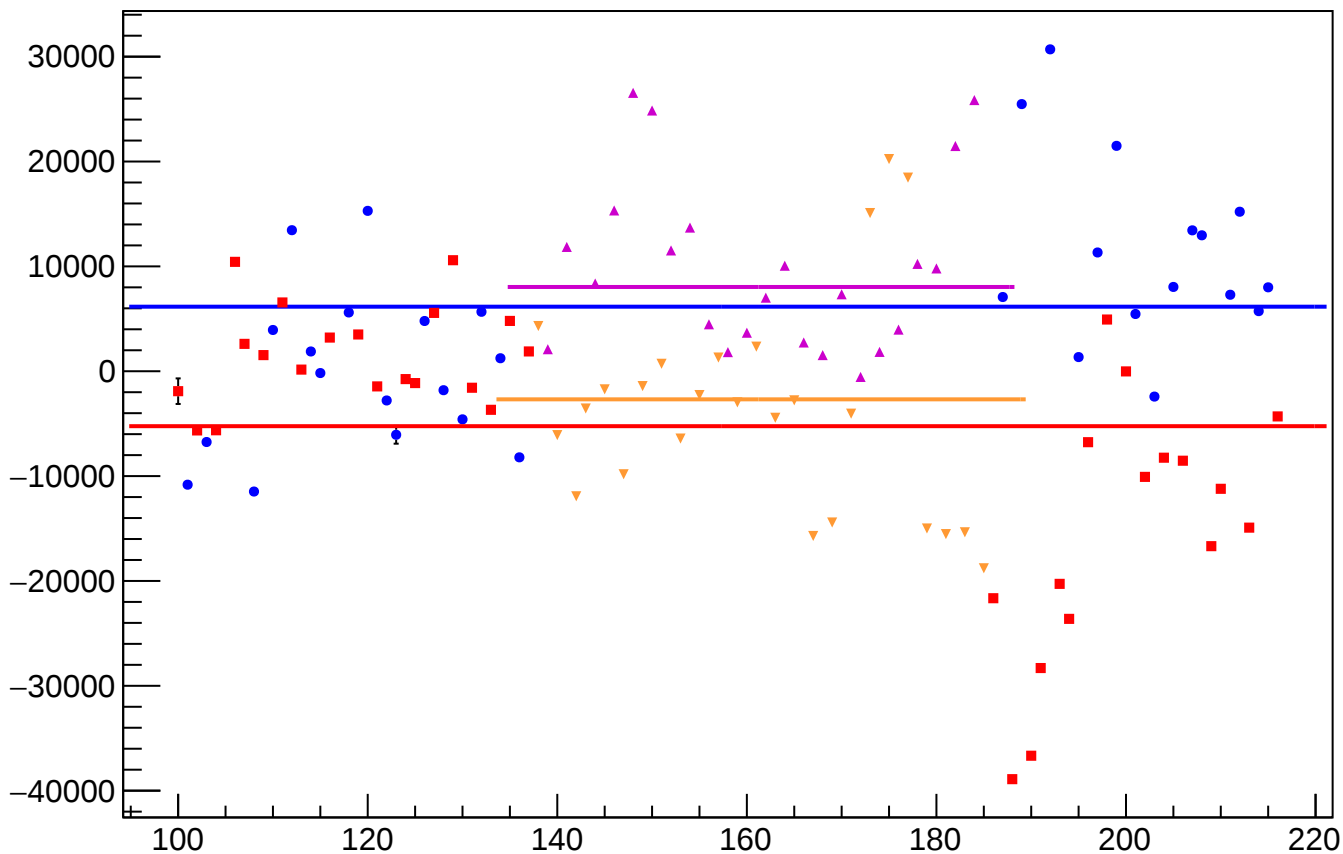
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 164.722+/-0.020 χ^2/NDF : 2796089.8/56

All: 164.786+/-0.014 χ^2/NDF : 5700551.7/114

- sign 164.851+/-0.020 χ^2/NDF : 2904441.4/57

asym_bpm0i01aWS_mean vs Slug



Right In: 6156.489+/-34.434 χ^2/NDF : 88986.9/31

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -5239.744+/-33.030 χ^2/NDF : 139721.4/34

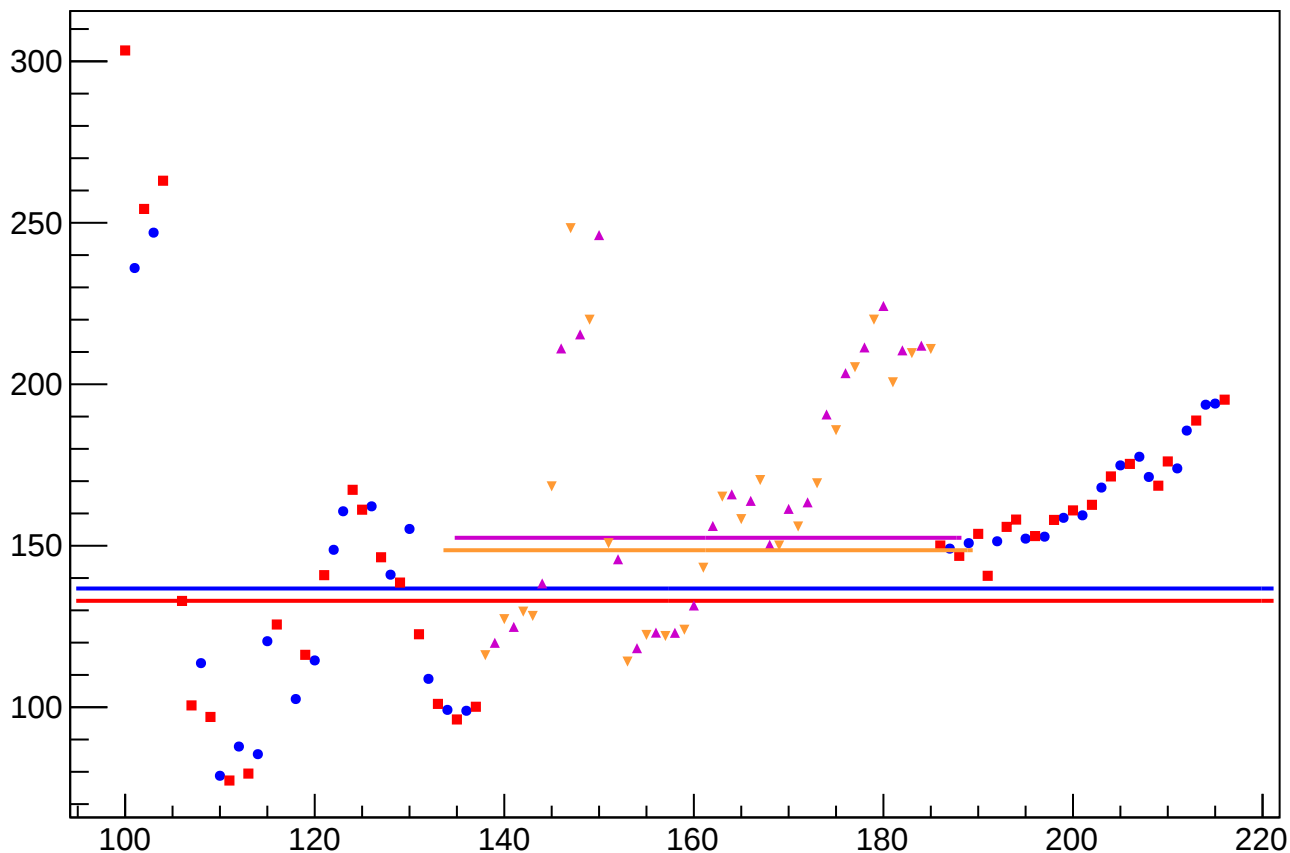
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 1905.492+/-24.805 χ^2/NDF : 177487.3/56

All: 1199.148+/-17.576 χ^2/NDF : 417791.3/11

- sign 486.982+/-24.907 χ^2/NDF : 238675.6/57

asym_bpm0i01aWS_rms vs Slug



Right In: 136.761+/-0.024 χ^2/NDF : 2490485.6/31

Left Out: 148.611+/-0.025 χ^2/NDF :1685424.1/24

Right Out: 132.949+/-0.023 χ^2/NDF : 2685717.0/34

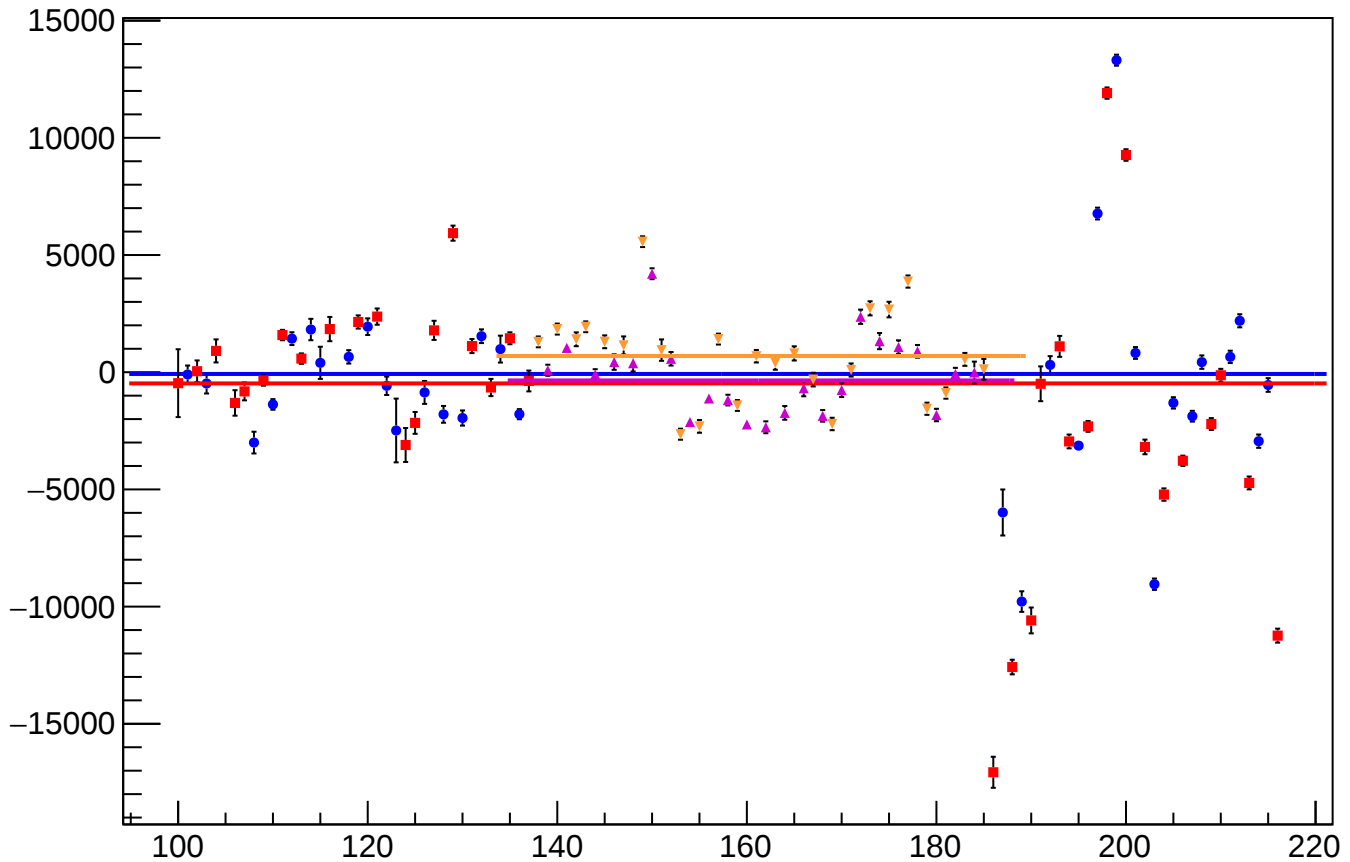
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 142.461+/-0.018 χ^2/NDF : 4289855.9/56

All: 141.916+/-0.012 χ^2/NDF : 8970168.9/114

- sign 141.366+/-0.018 χ^2/NDF : 4678372.0/57

asym_bpm0l01WS_mean vs Slug



Right In: -74.338 ± 54.000 χ^2/NDF : 6666.2/31

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: -477.637 ± 53.328 χ^2/NDF : 9848.1/34

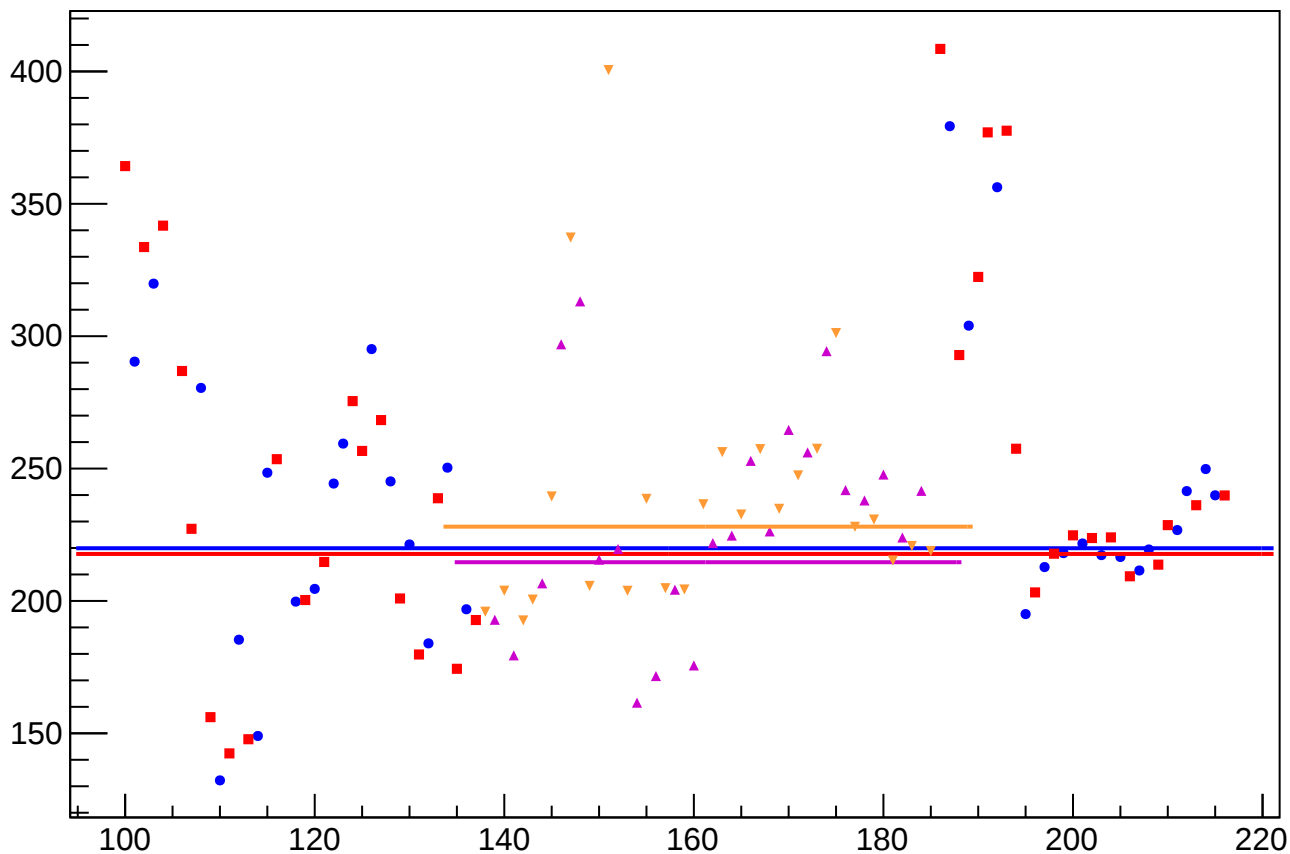
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 307.182 ± 38.291 χ^2/NDF : 8188.6/56

All: -59.394 ± 26.837 χ^2/NDF : 19200.7/114

- sign -413.348 ± 37.626 χ^2/NDF : 10831.9/57

asym_bpm0l01WS_rms vs Slug



Right In: 219.908 $\pm$ 0.038 χ^2 /NDF: 1202460.1/31

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF: 826343.8/24

Right Out: 217.753 $\pm$ 0.038 χ^2 /NDF: 1848409.4/34

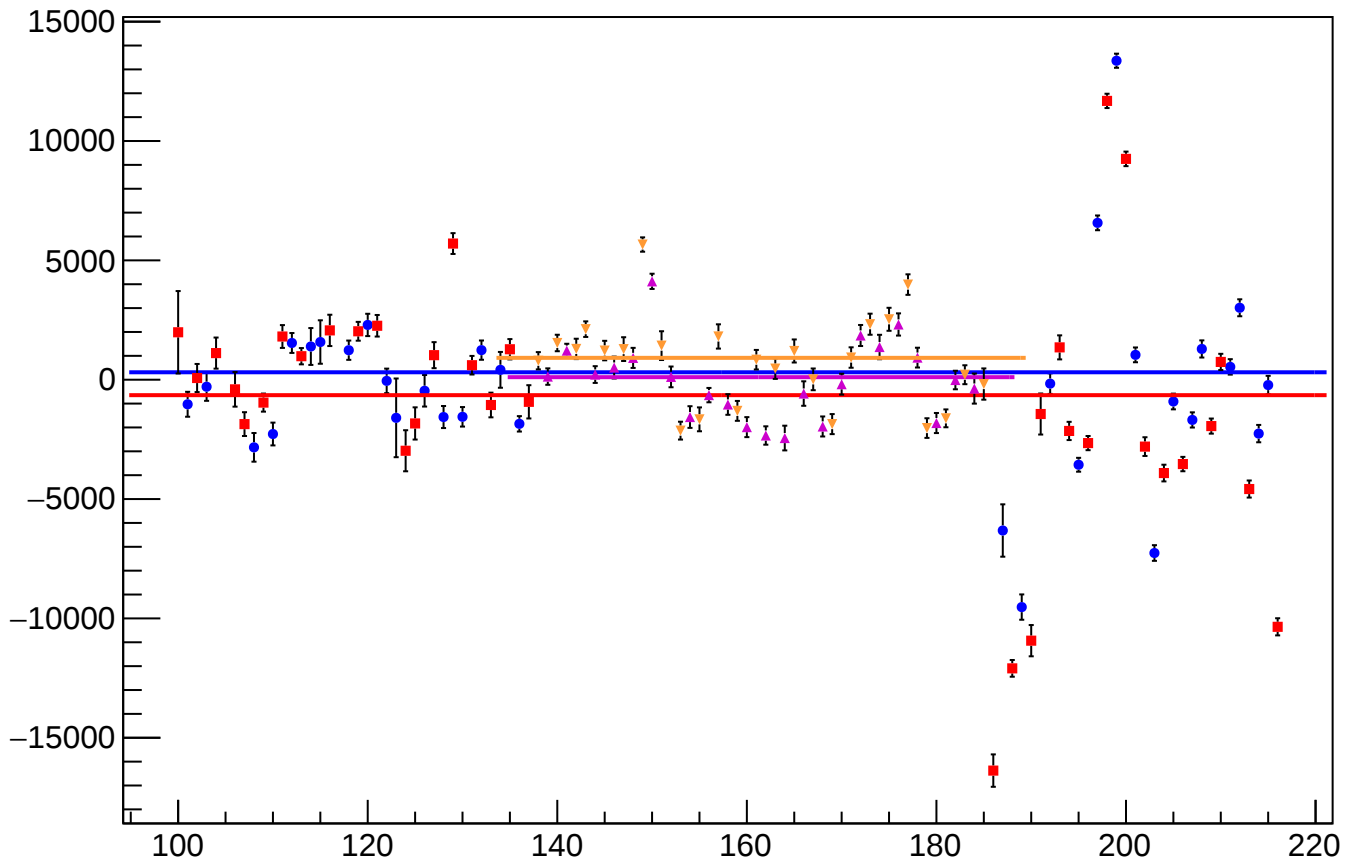
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF: 1025683.3/22

+ sign 223.961 $\pm$ 0.027 χ^2 /NDF: 2051472.6/56

All: 220.004 $\pm$ 0.019 χ^2 /NDF: 4971004.1/114

- sign 216.183 $\pm$ 0.027 χ^2 /NDF: 2877544.0/57

asym_bpm0l02WS_mean vs Slug



Right In: 311.339 ± 72.652 χ^2/NDF : 3815.3/31

Left Out: 915.968 ± 83.398 χ^2/NDF : 618.3/24

Right Out: -647.436 ± 71.953 χ^2/NDF : 6204.8/34

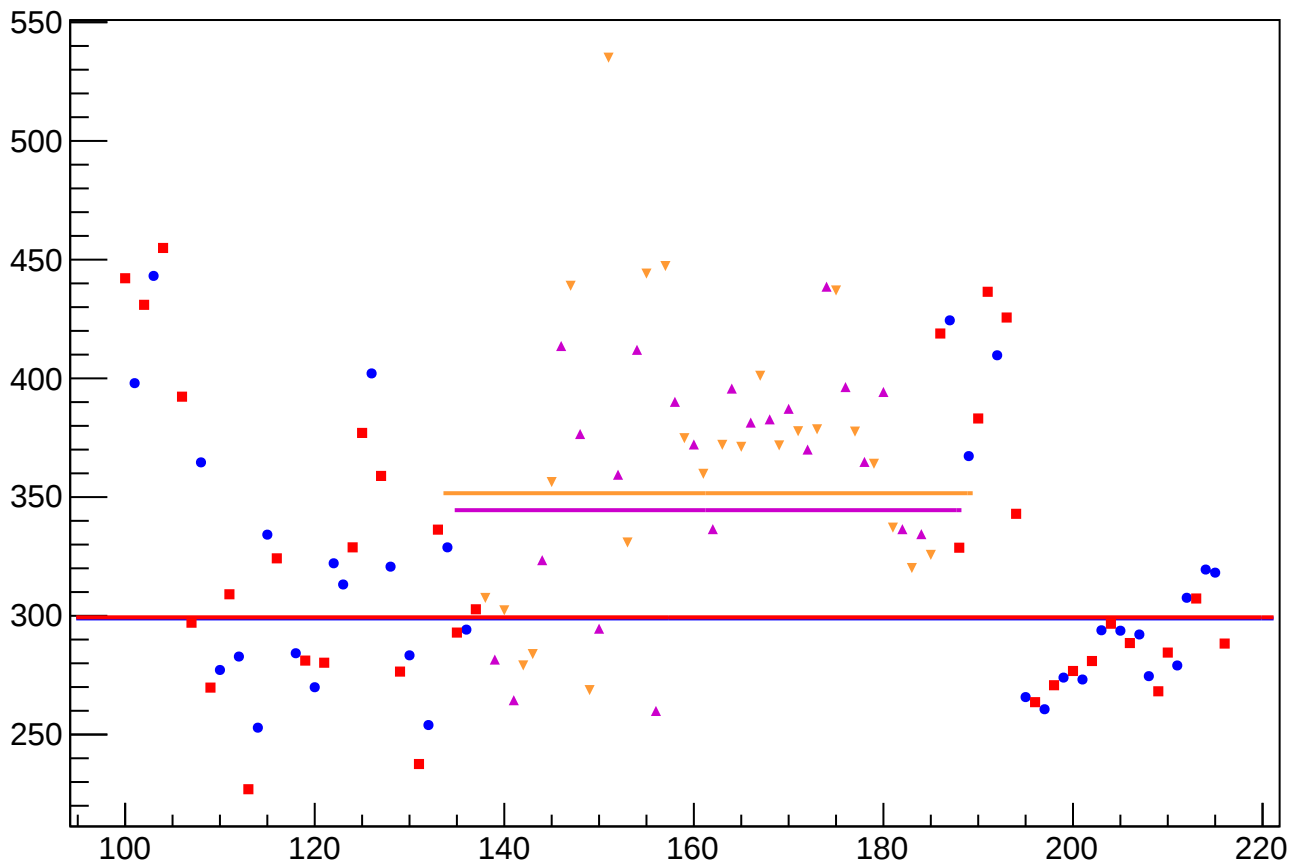
Left In: 106.116 ± 84.393 χ^2/NDF : 390.3/22

+ sign 572.212 ± 54.781 χ^2/NDF : 4463.5/56

All: 120.765 ± 38.726 χ^2/NDF : 11240.5/114

- sign -330.239 ± 54.754 χ^2/NDF : 6641.2/57

asym_bpm0l02WS_rms vs Slug



Right In: 298.899 $\pm$ 0.051 χ^2/NDF : 639150.5/31

Left Out: 351.633 $\pm$ 0.059 χ^2/NDF : 907849.3/24

Right Out: 299.367 $\pm$ 0.051 χ^2/NDF : 896246.4/34

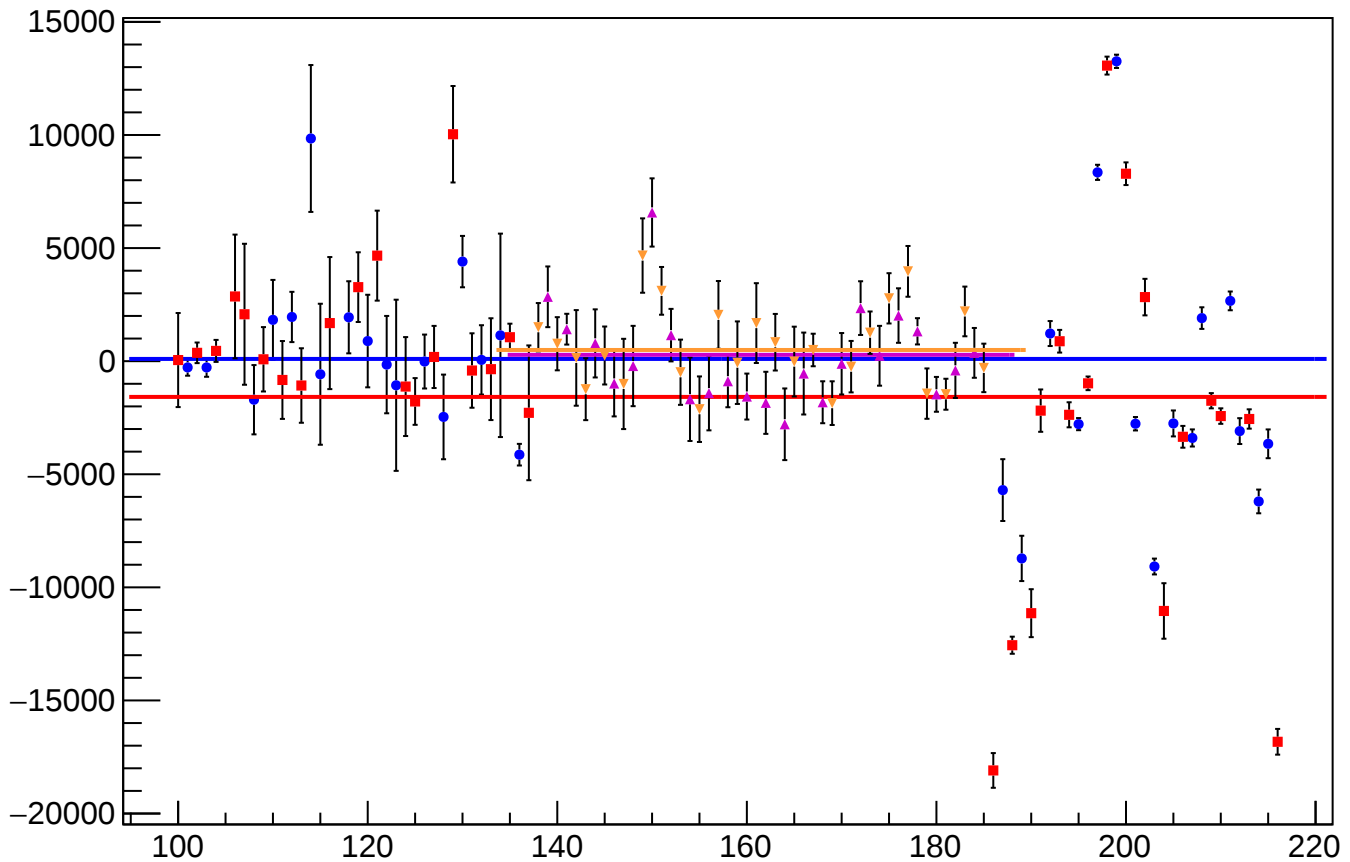
Left In: 344.491 $\pm$ 0.060 χ^2/NDF : 768885.4/22

+ sign 321.651 $\pm$ 0.039 χ^2/NDF : 2001631.6/56

All: 320.006 $\pm$ 0.027 χ^2/NDF : 4001466.9/114

- sign 318.361 $\pm$ 0.039 χ^2/NDF : 1996226.3/57

asym_bpm0l03WS_mean vs Slug



Right In: 98.889+/-95.078 χ^2/NDF : 4089.6/31

Left Out: 495.014+/-231.058 χ^2/NDF : 56.2/24

Right Out: -1580.337+/-106.240 χ^2/NDF : 4117.6/34

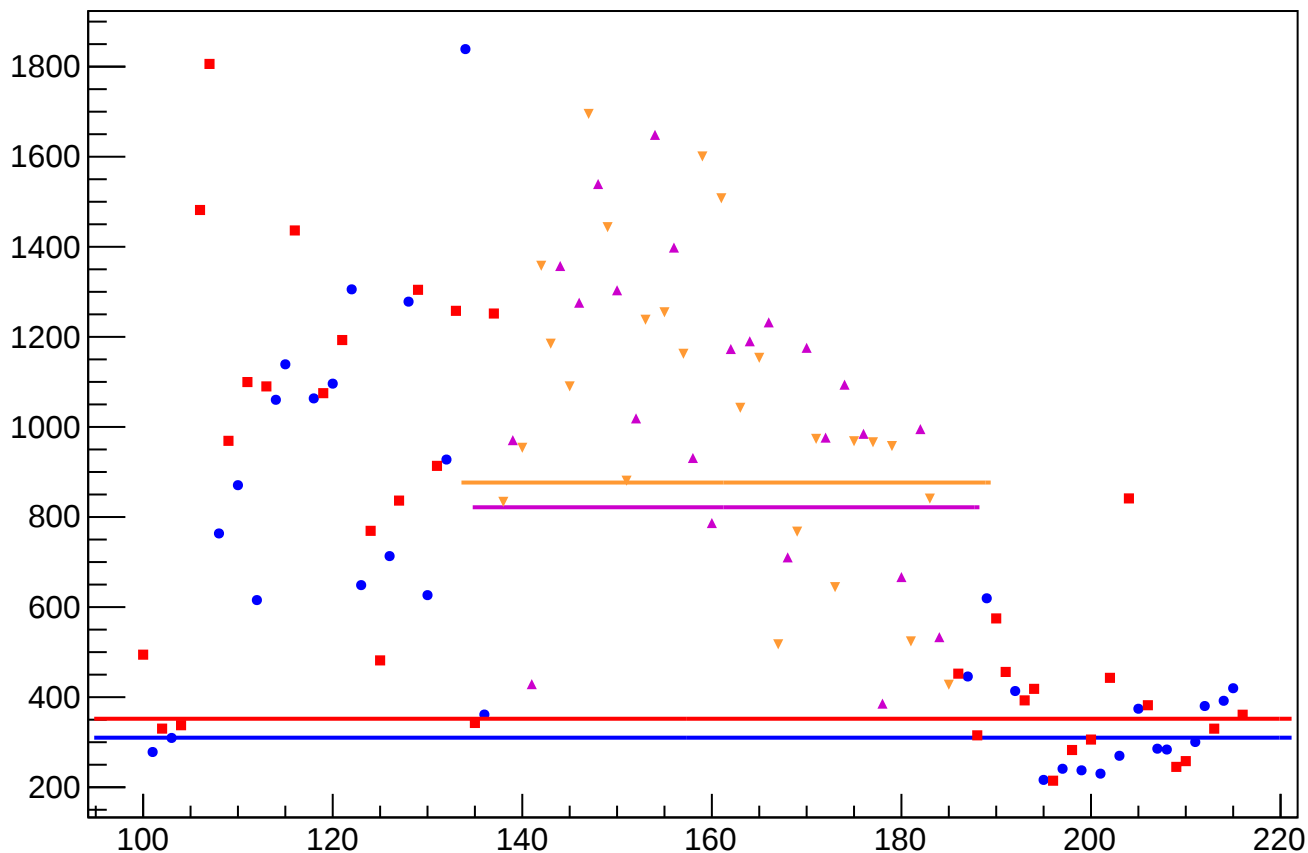
Left In: 280.692+/-232.048 χ^2/NDF : 57.2/22

+ sign 156.250+/-87.925 χ^2/NDF : 4148.3/56

All: -484.486+/-65.023 χ^2/NDF : 8493.5/114

- sign -1257.840+/-96.597 χ^2/NDF : 4228.0/57

asym_bpm0l03WS_rms vs Slug



Right In: 310.049 ± 0.067 $\chi^2/\text{NDF}: 4556998.6/31$

Left Out: 876.560 ± 0.163 $\chi^2/\text{NDF}: 3434698.7/24$

Right Out: 352.106 ± 0.075 $\chi^2/\text{NDF}: 5923331.8/34$

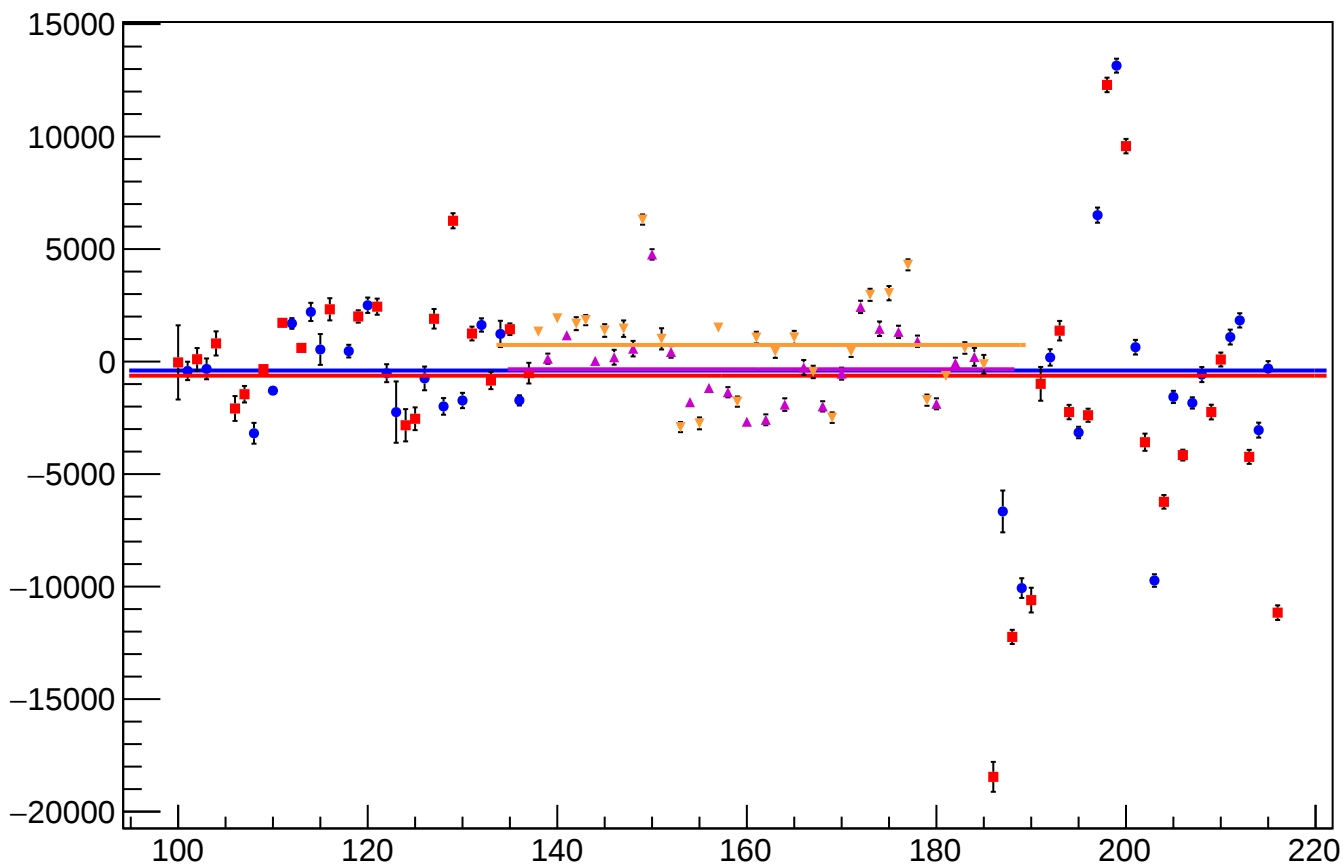
Left In: 821.657 ± 0.164 $\chi^2/\text{NDF}: 4443094.2/22$

+ sign 392.083 ± 0.062 $\chi^2/\text{NDF}: 18273479.9/56$

All: 410.838 ± 0.046 $\chi^2/\text{NDF}: 35610829.9/13$

- sign 433.475 ± 0.068 $\chi^2/\text{NDF}: 17136523.0/57$

asym_bpm0l04WS_mean vs Slug



Right In: -397.182 ± 58.390 $\chi^2/\text{NDF}: 4678.9/31$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: -626.199 ± 56.323 $\chi^2/\text{NDF}: 7915.7/34$

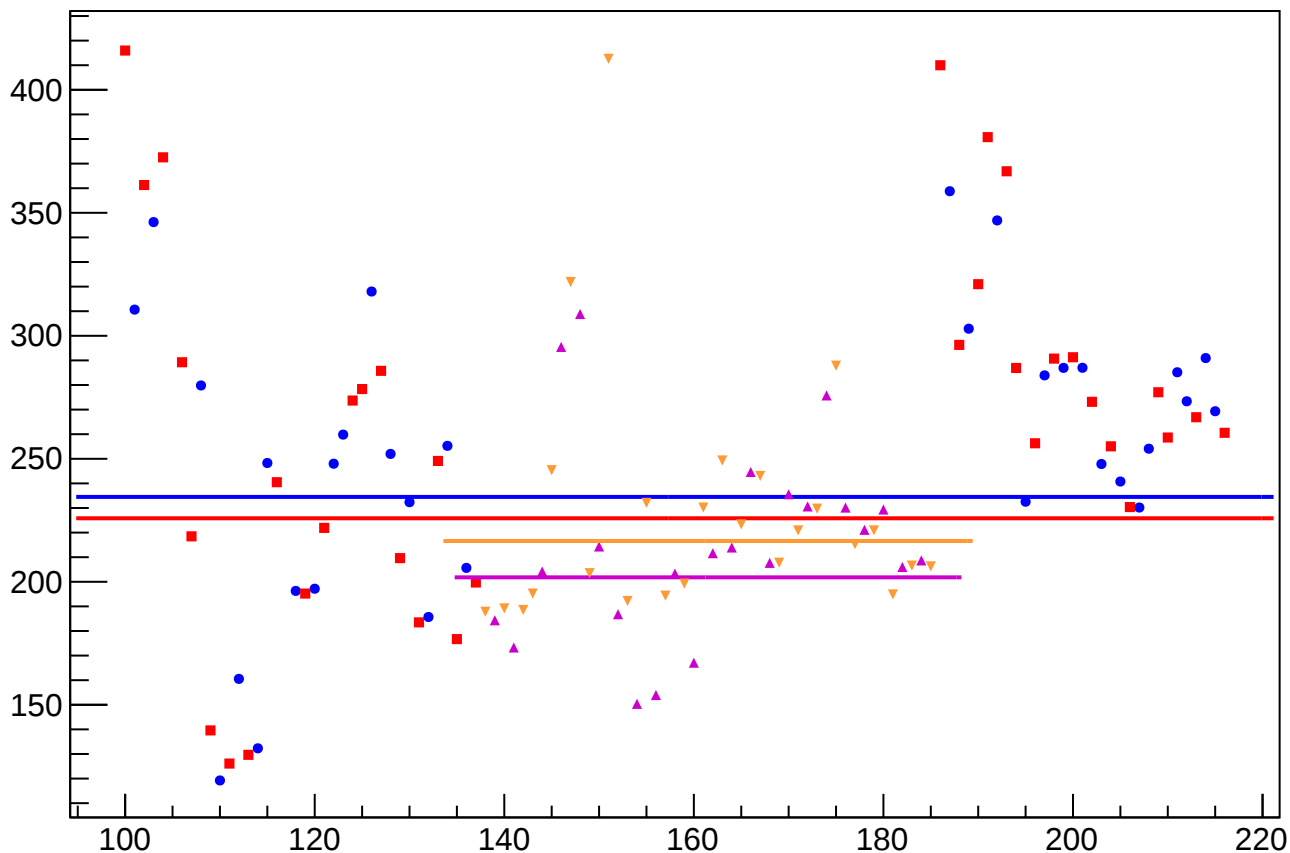
Left In: -342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

+ sign 240.169 ± 38.686 $\chi^2/\text{NDF}: 6826.5/56$

All: -125.599 ± 26.893 $\chi^2/\text{NDF}: 16184.3/114$

- sign -467.641 ± 37.410 $\chi^2/\text{NDF}: 9184.8/57$

asym_bpm0l04WS_rms vs Slug



Right In: 234.506 $\pm$ 0.041 χ^2 /NDF: 1967076.6/31

Left Out: 216.574 $\pm$ 0.037 χ^2 /NDF: 886214.1/24

Right Out: 225.821 $\pm$ 0.040 χ^2 /NDF: 2983226.8/34

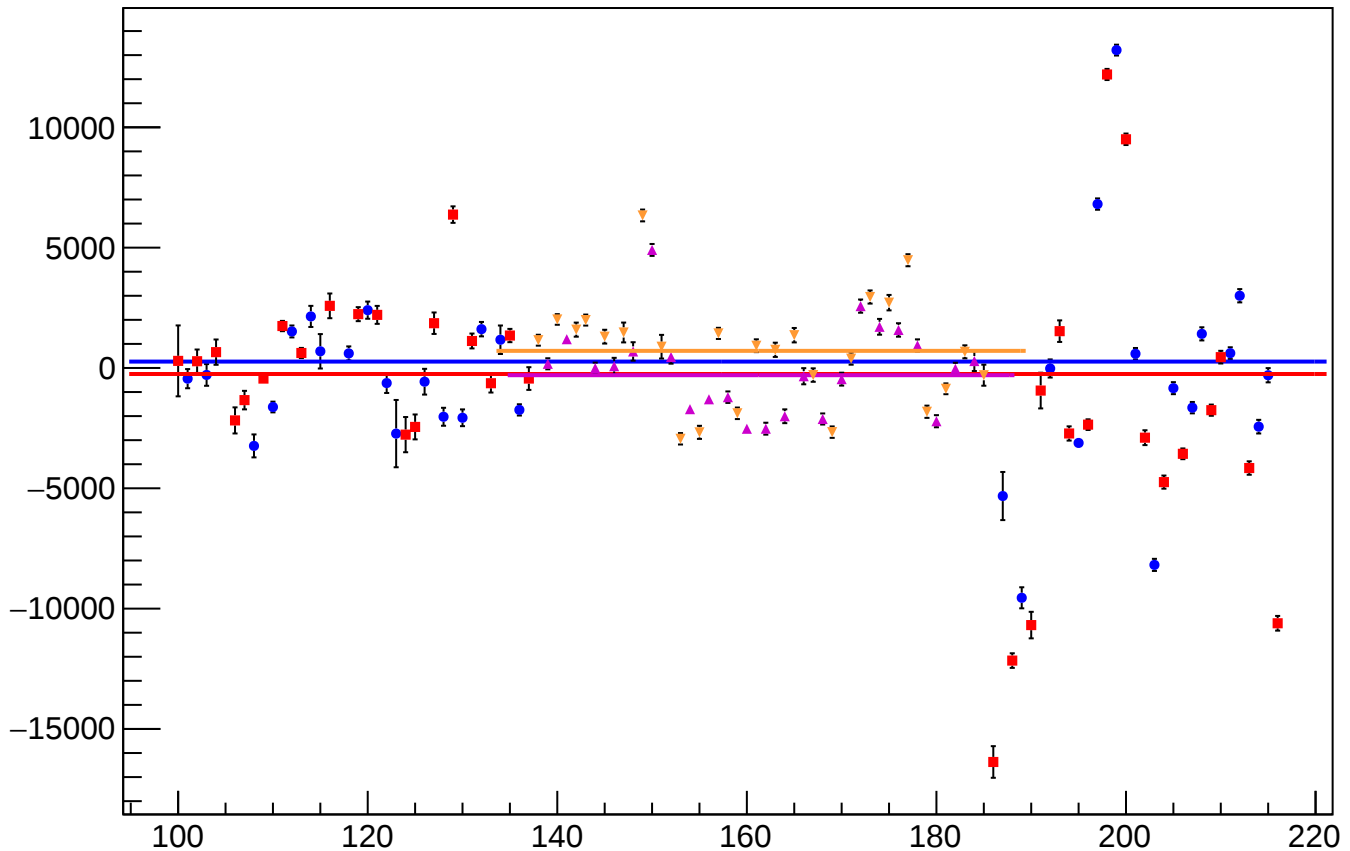
Left In: 201.805 $\pm$ 0.035 χ^2 /NDF: 1087243.4/22

+ sign 224.446 $\pm$ 0.027 χ^2 /NDF: 2959117.8/56

All: 218.221 $\pm$ 0.019 χ^2 /NDF: 7332977.0/114

- sign 212.400 $\pm$ 0.026 χ^2 /NDF: 4273665.4/57

asym_bpm0l05WS_mean vs Slug



Right In: 265.427 $\pm$ 53.906 χ^2 /NDF: 6683.3/31

Left Out: 711.174 $\pm$ 53.245 χ^2 /NDF:1835.3/24

Right Out: -250.659 $\pm$ 53.109 χ^2 /NDF: 9952.5/34

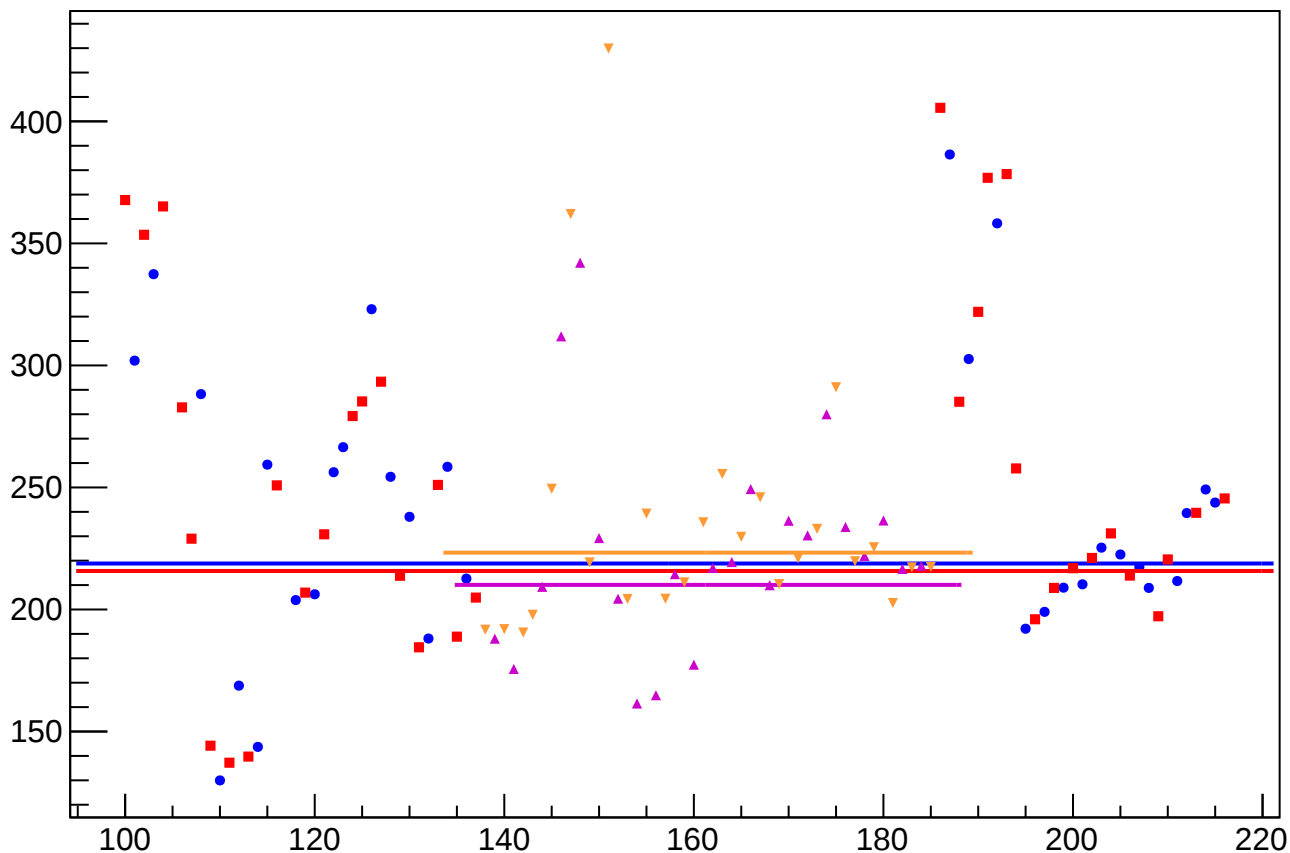
Left In: -300.516 $\pm$ 51.984 χ^2 /NDF:1208.6/22

+ sign 491.049 $\pm$ 37.881 χ^2 /NDF: 8553.3/56

All: 99.982 $\pm$ 26.524 χ^2 /NDF: 19923.9/114

- sign -276.122 $\pm$ 37.149 χ^2 /NDF: 11161.6/57

asym_bpm0l05WS_rms vs Slug



Right In: 218.838 $\pm$ 0.038 χ^2 /NDF: 1401443.4/31

Left Out: 223.296 $\pm$ 0.038 χ^2 /NDF: 922768.4/24

Right Out: 215.783 $\pm$ 0.038 χ^2 /NDF: 2141240.3/34

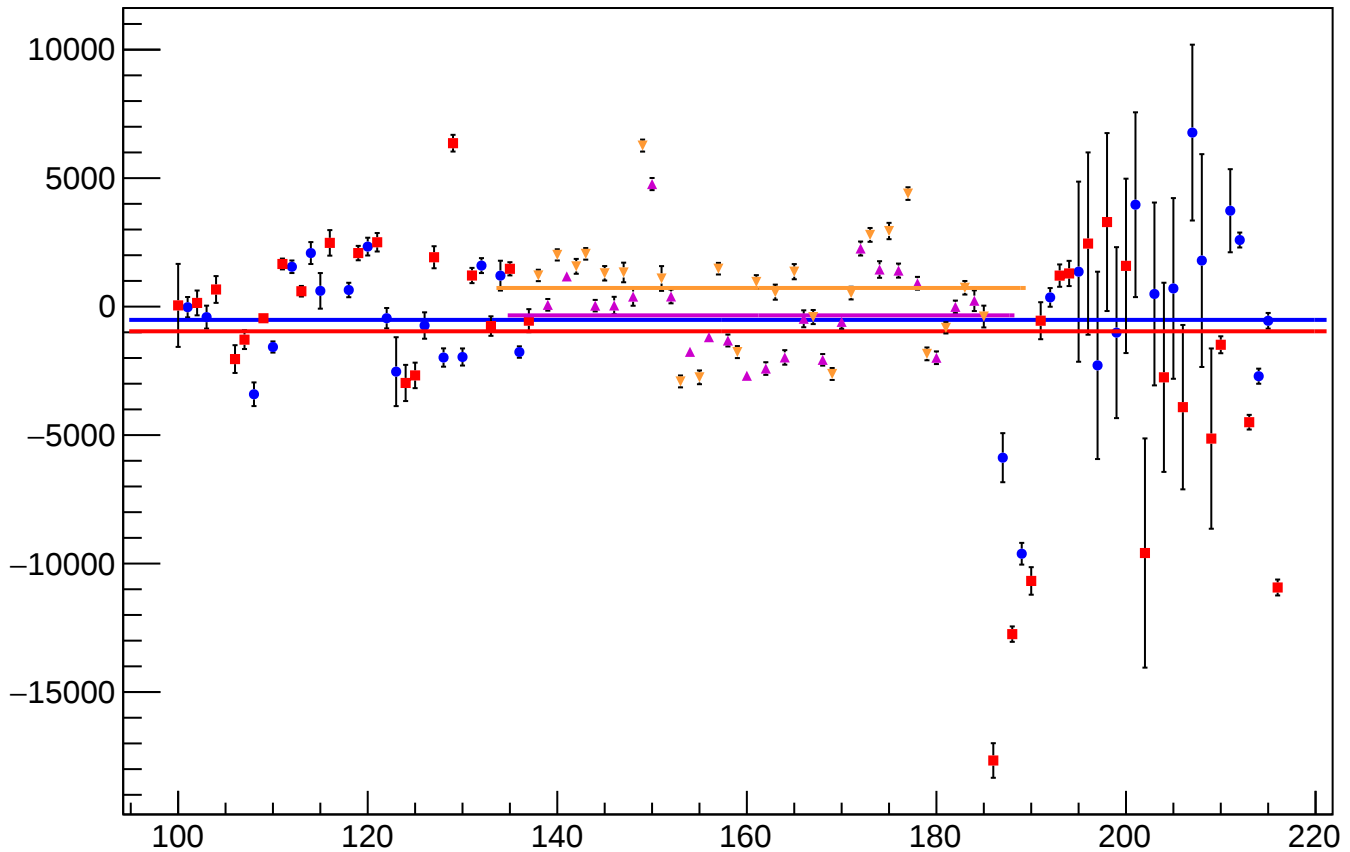
Left In: 210.080 $\pm$ 0.037 χ^2 /NDF: 1015274.5/22

+ sign 221.095 $\pm$ 0.027 χ^2 /NDF: 2331135.7/56

All: 216.902 $\pm$ 0.019 χ^2 /NDF: 5547484.9/114

- sign 212.870 $\pm$ 0.026 χ^2 /NDF: 3168291.7/57

asym_bpm0l06WS_mean vs Slug



Right In: -516.392 ± 71.685 $\chi^2/\text{NDF}: 1076.7/31$

Left Out: 725.866 ± 52.158 $\chi^2/\text{NDF}: 1912.7/24$

Right Out: -960.763 ± 65.076 $\chi^2/\text{NDF}: 4945.2/34$

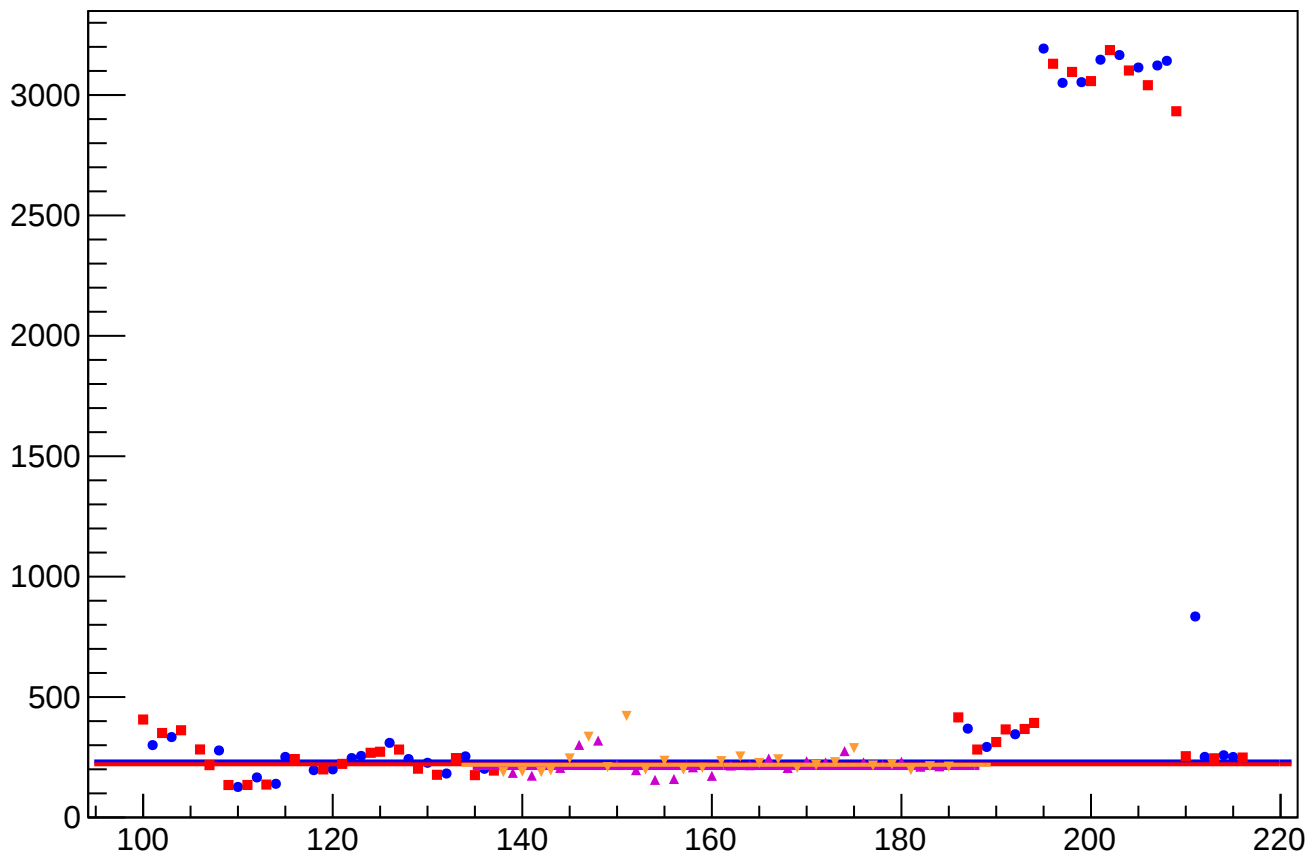
Left In: -340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

+ sign 295.859 ± 42.176 $\chi^2/\text{NDF}: 3185.8/56$

All: -162.318 ± 29.040 $\chi^2/\text{NDF}: 9613.7/114$

- sign -575.370 ± 40.045 $\chi^2/\text{NDF}: 6203.5/57$

asym_bpm0l06WS_rms vs Slug



Right In: 232.520 $\pm$ 0.051 χ^2 /NDF: 12172663.0/31

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 220.752 $\pm$ 0.046 χ^2 /NDF: 11512733.8/34

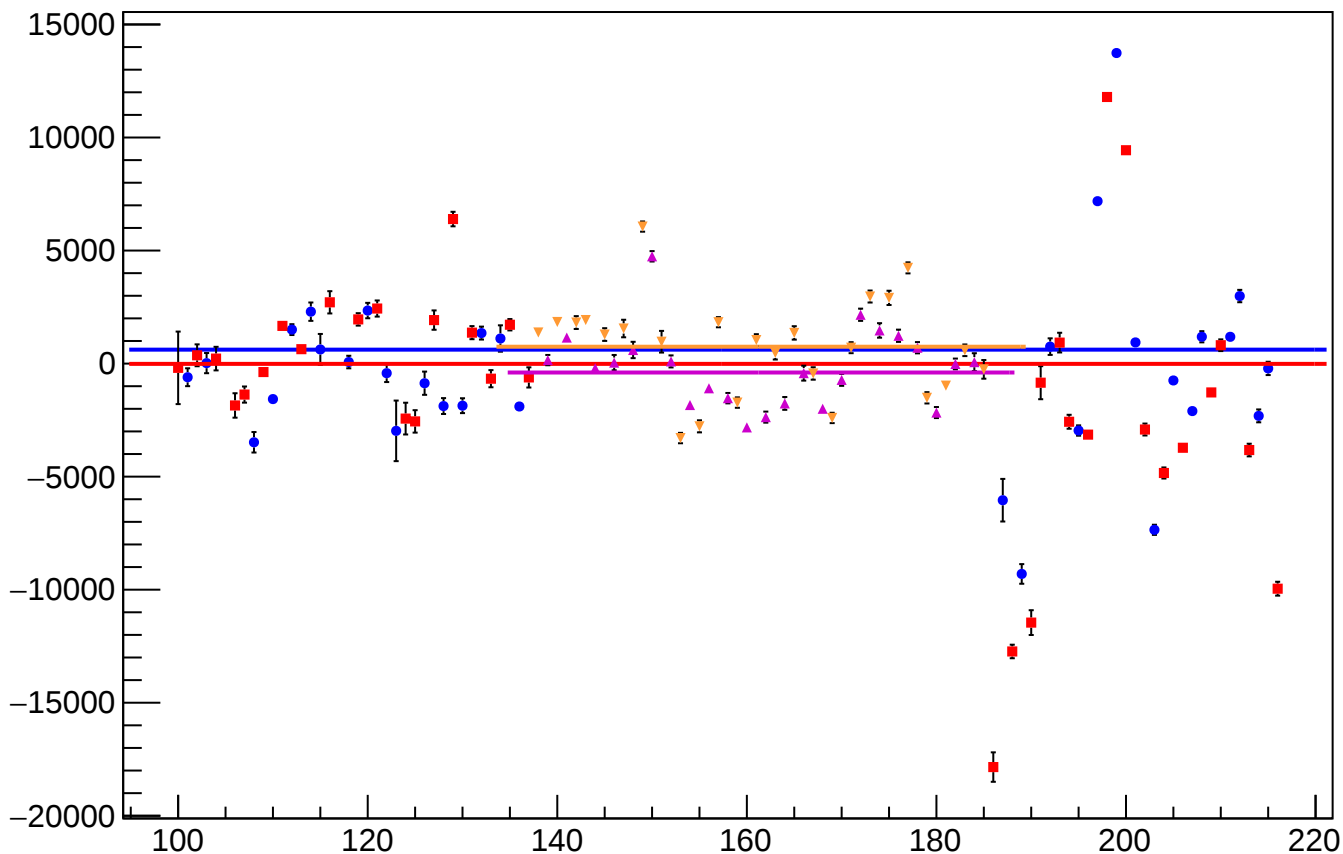
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 223.528 $\pm$ 0.030 χ^2 /NDF: 13117697.2/56

All: 217.003 $\pm$ 0.021 χ^2 /NDF: 25789175.8/11

- sign 211.119 $\pm$ 0.028 χ^2 /NDF: 12580429.2/57

asym_bpm0l07WS_mean vs Slug



Right In: 616.988 $\pm$ 50.388 χ^2 /NDF: 8648.1/31

Left Out: 746.405 $\pm$ 51.592 χ^2 /NDF:1942.1/24

Right Out: -12.272 $\pm$ 49.811 χ^2 /NDF: 11668.8/34

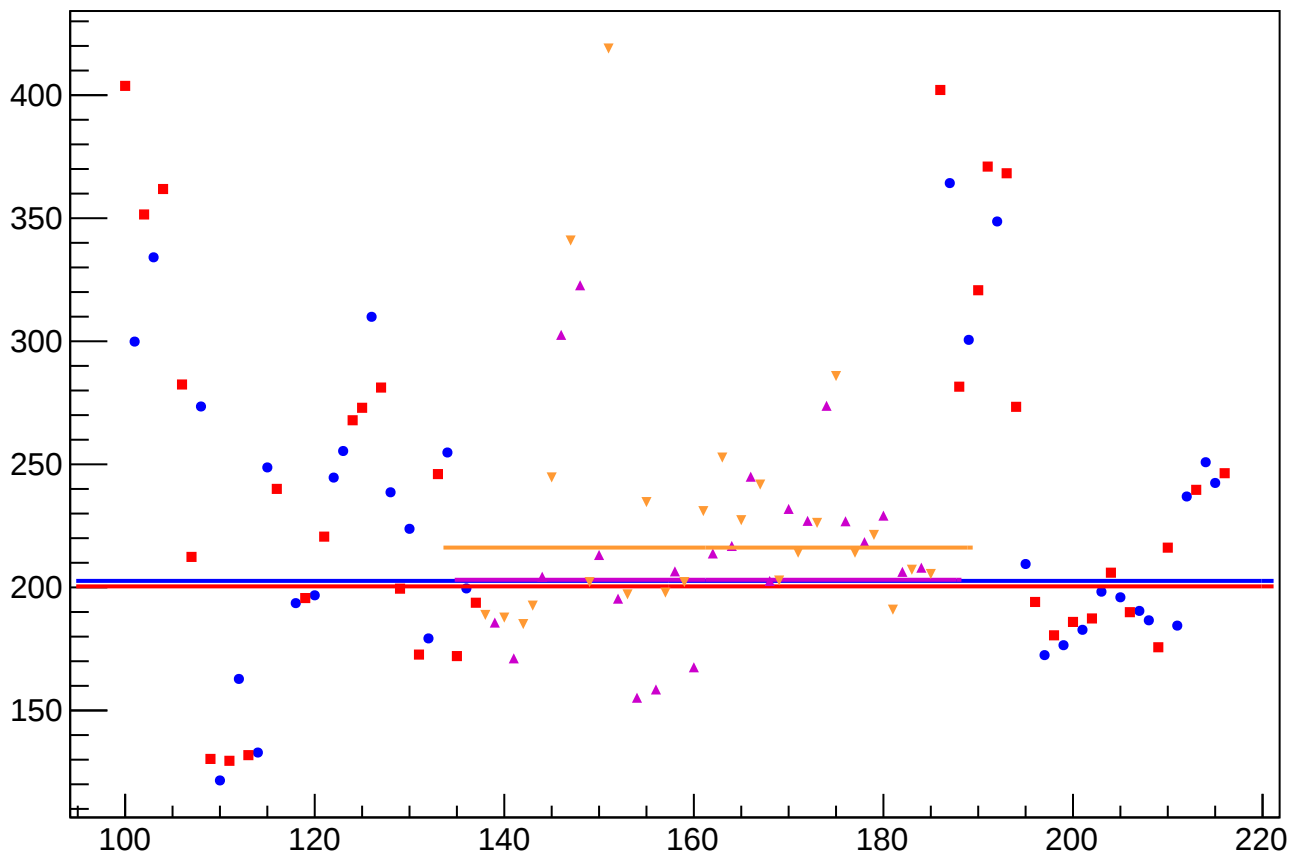
Left In: -394.379 $\pm$ 50.311 χ^2 /NDF:1236.4/22

+ sign 680.169 $\pm$ 36.048 χ^2 /NDF: 10593.4/56

All: 231.349 $\pm$ 25.257 χ^2 /NDF: 23832.2/114

- sign -201.417 $\pm$ 35.397 χ^2 /NDF: 12934.3/57

asym_bpm0l07WS_rms vs Slug



Right In: 202.647 $\pm$ 0.036 χ^2 /NDF: 1676127.2/31

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF: 946050.8/24

Right Out: 200.411 $\pm$ 0.035 χ^2 /NDF: 2564002.3/34

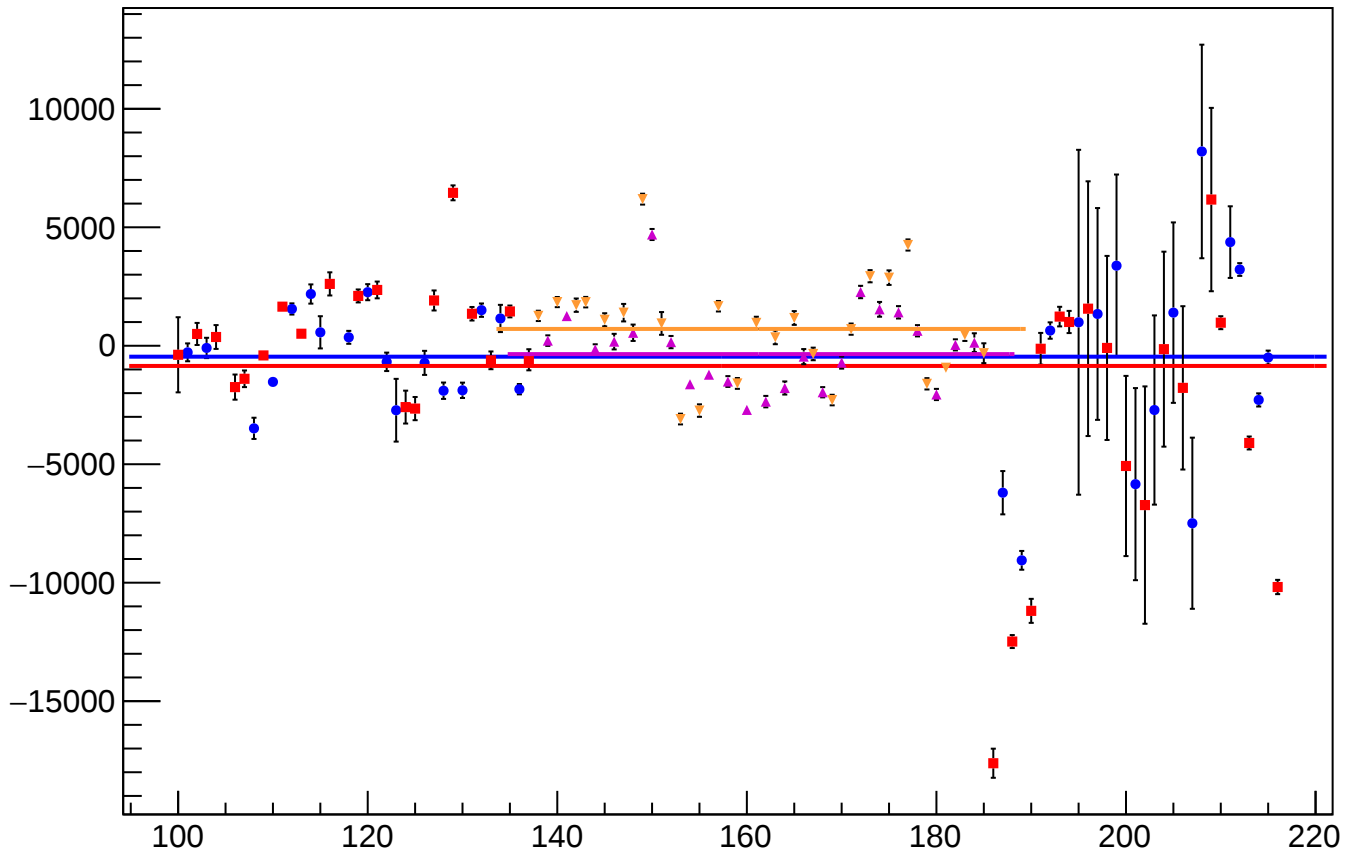
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 209.253 $\pm$ 0.025 χ^2 /NDF: 2692588.3/56

All: 205.429 $\pm$ 0.018 χ^2 /NDF: 6341682.5/114

- sign 201.743 $\pm$ 0.025 χ^2 /NDF: 3604901.1/57

asym_bpm0l08WS_mean vs Slug



Right In: -461.179 ± 68.994 χ^2/NDF : 1171.2/31

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -852.066 ± 62.044 χ^2/NDF : 5378.3/34

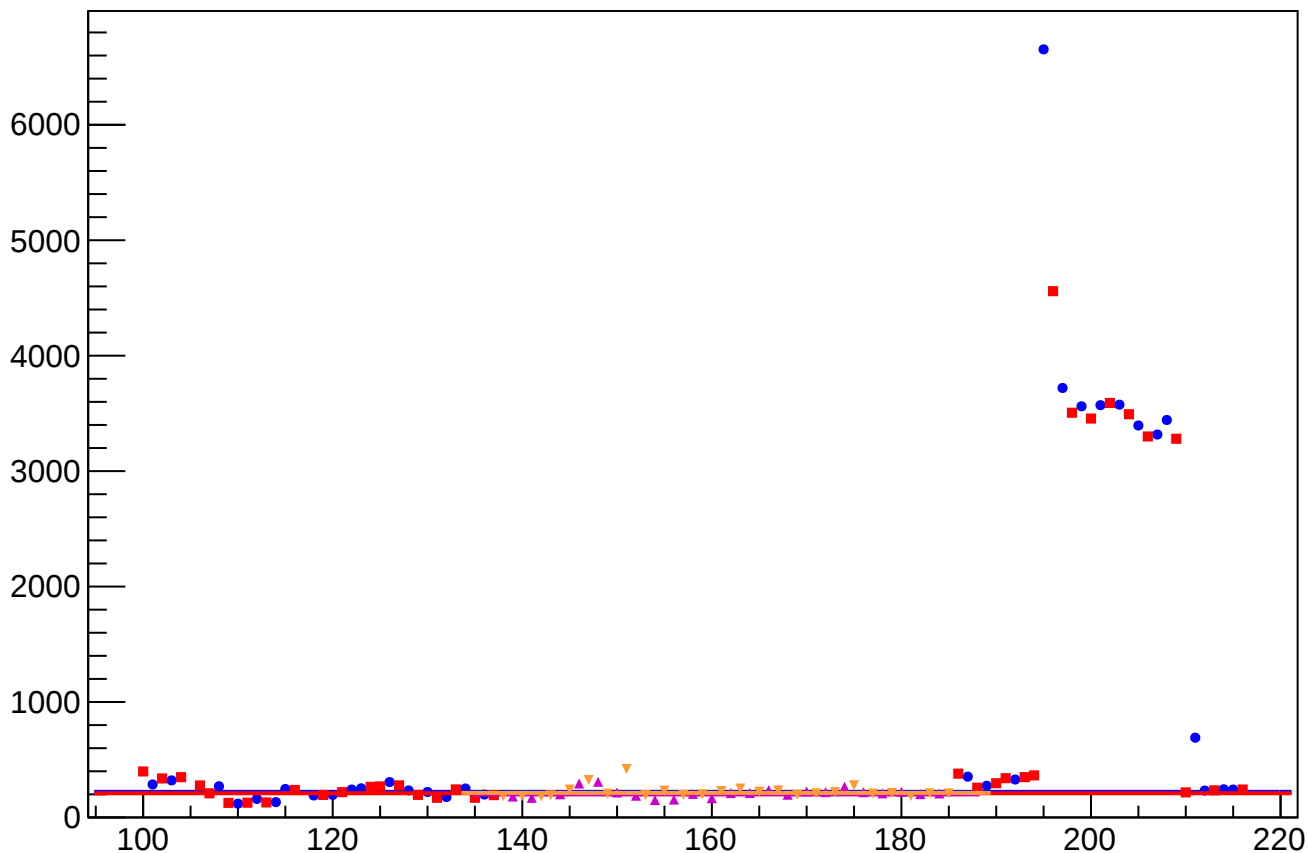
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 298.951 ± 40.882 χ^2/NDF : 3290.5/56

All: -147.630 ± 28.069 χ^2/NDF : 10167.3/114

- sign -545.879 ± 38.606 χ^2/NDF : 6651.1/57

asym_bpm0l08WS_rms vs Slug



Right In: 221.807+/-0.049 χ^2/NDF : 12531193.0/31

Left Out: 212.718+/-0.036 χ^2/NDF : 916225.9/24

Right Out: 209.361+/-0.044 χ^2/NDF : 11754623.6/34

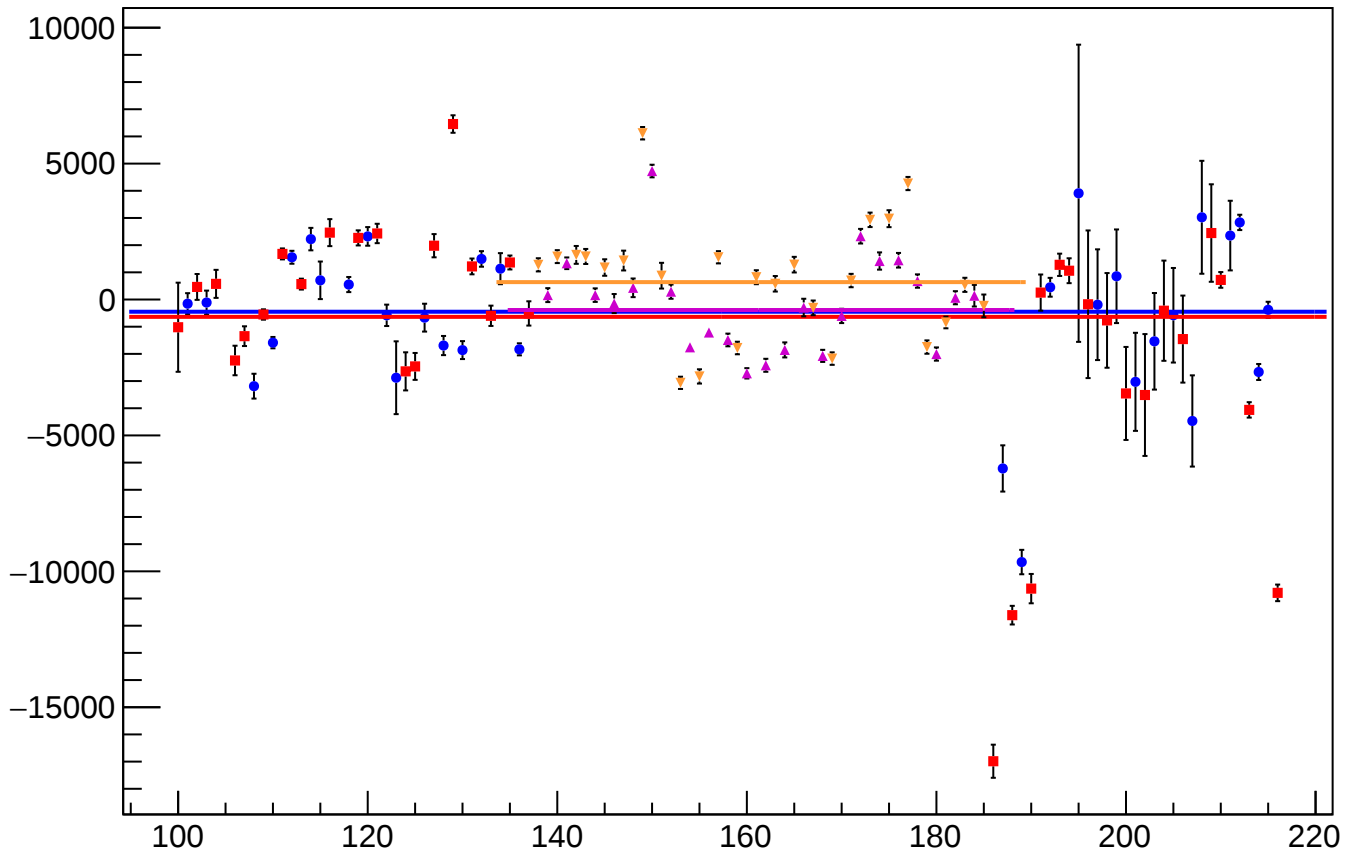
Left In: 199.142+/-0.035 χ^2/NDF : 985932.4/22

+ sign 215.909+/-0.029 χ^2/NDF : 13469939.6/56

All: 209.138+/-0.020 χ^2/NDF : 26347559.8/1

- sign 203.099+/-0.027 χ^2/NDF : 12773806.3/57

asym_bpm0l09WS_mean vs Slug



Right In: -449.437 ± 70.159 χ^2/NDF : 1070.5/31

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: -637.929 ± 63.683 χ^2/NDF : 4468.6/34

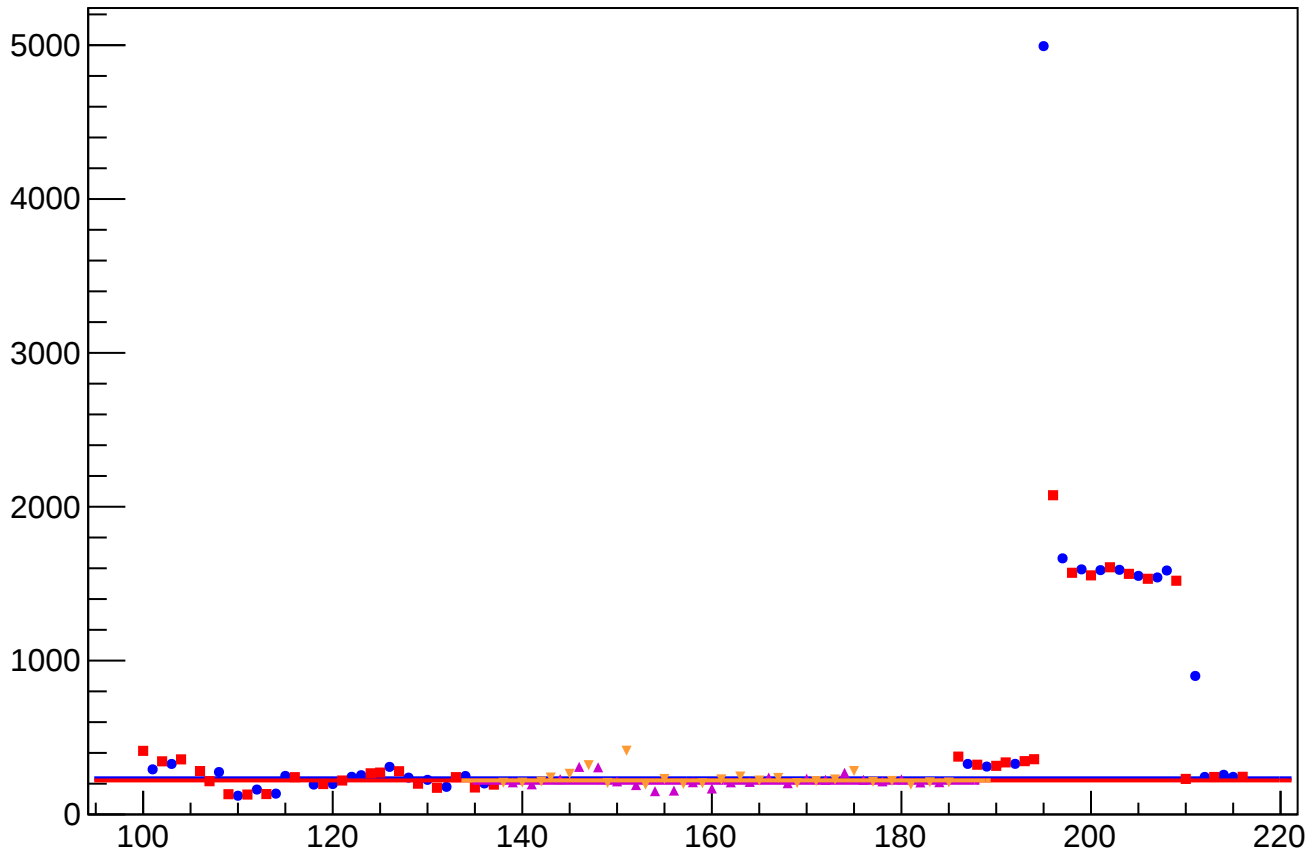
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 246.946 ± 42.141 χ^2/NDF : 3083.8/56

All: -139.652 ± 28.937 χ^2/NDF : 8959.3/114

- sign -484.576 ± 39.805 χ^2/NDF : 5716.2/57

asym_bpm0l09WS_rms vs Slug



Right In: 234.881+/-0.050 χ^2/NDF : 11295217.0/31

Left Out: 221.398+/-0.037 χ^2/NDF : 777833.8/24

Right Out: 221.176+/-0.045 χ^2/NDF : 10188174.0/34

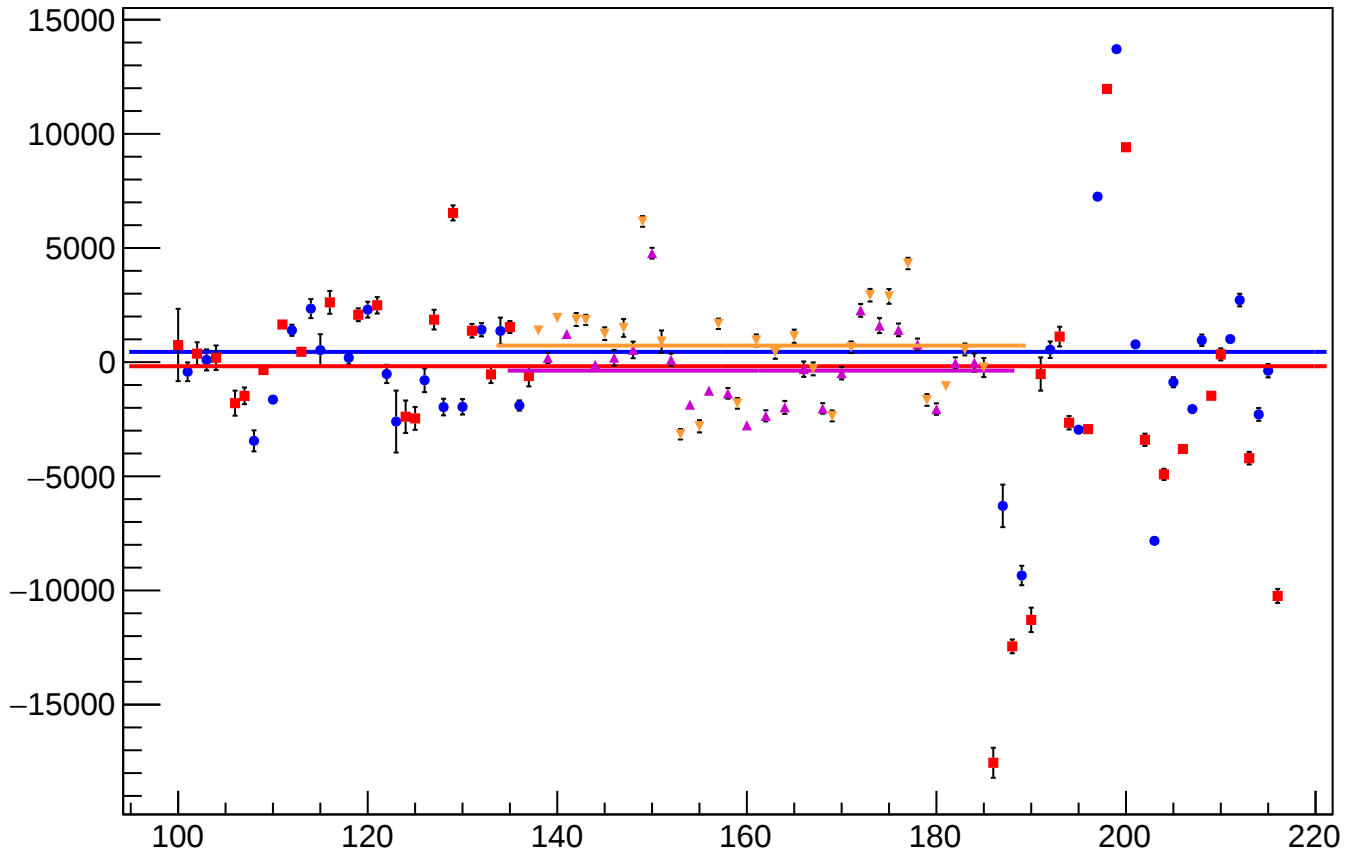
Left In: 205.803+/-0.036 χ^2/NDF : 994903.5/22

+ sign 226.262+/-0.030 χ^2/NDF : 12120263.2/56

All: 218.624+/-0.020 χ^2/NDF : 23498680.6/1

- sign 211.809+/-0.028 χ^2/NDF : 11254084.3/57

asym_bpm0l10WS_mean vs Slug



Right In: 450.043 ± 50.826 χ^2/NDF : 8618.4/31

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: -178.025 ± 50.523 χ^2/NDF : 11397.6/34

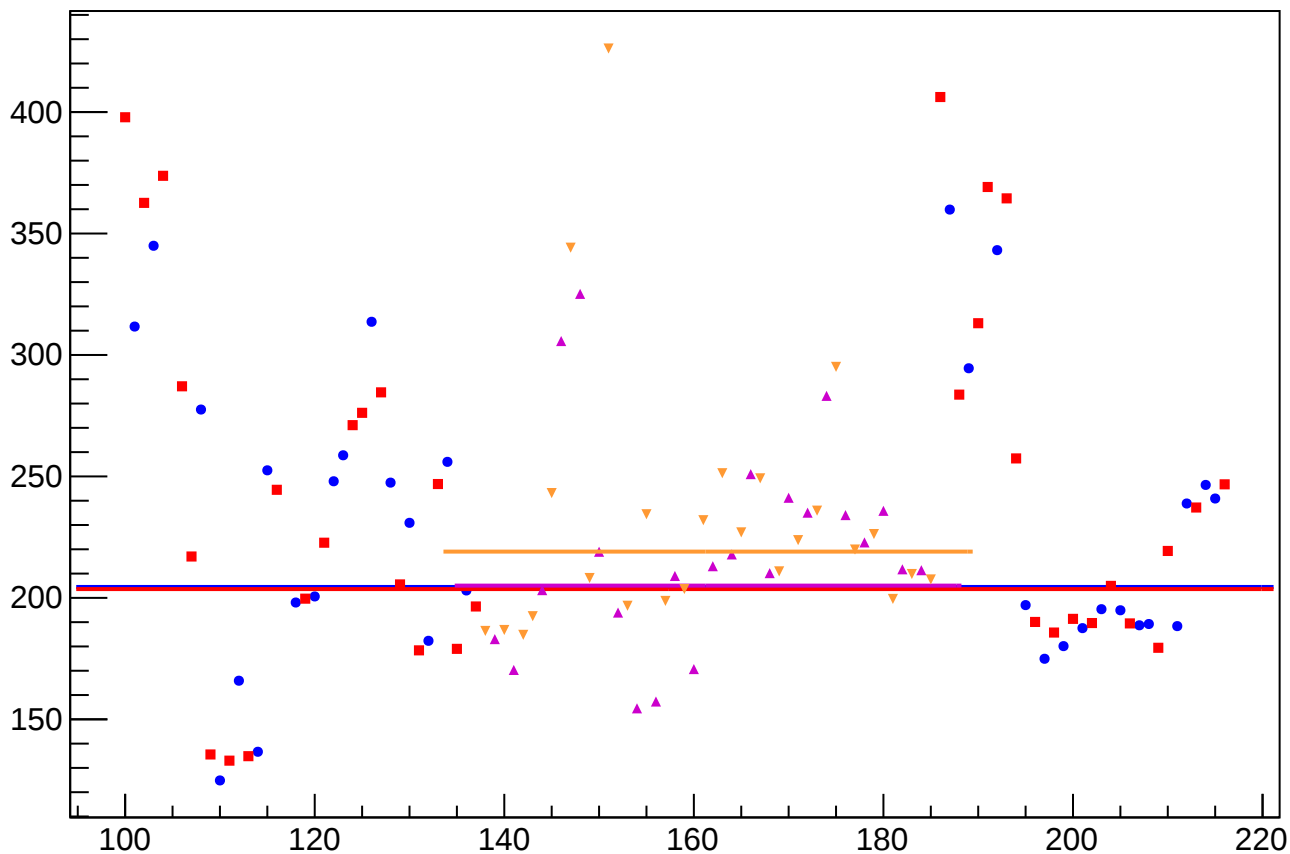
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 583.694 ± 36.452 χ^2/NDF : 10515.8/56

All: 147.977 ± 25.561 χ^2/NDF : 23424.8/114

- sign -273.532 ± 35.852 χ^2/NDF : 12627.9/57

asym_bpm0l10WS_rms vs Slug



Right In: 204.493 $\pm$ 0.036 χ^2 /NDF: 1612882.7/31

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF: 975564.4/24

Right Out: 203.622 $\pm$ 0.036 χ^2 /NDF: 2398607.9/34

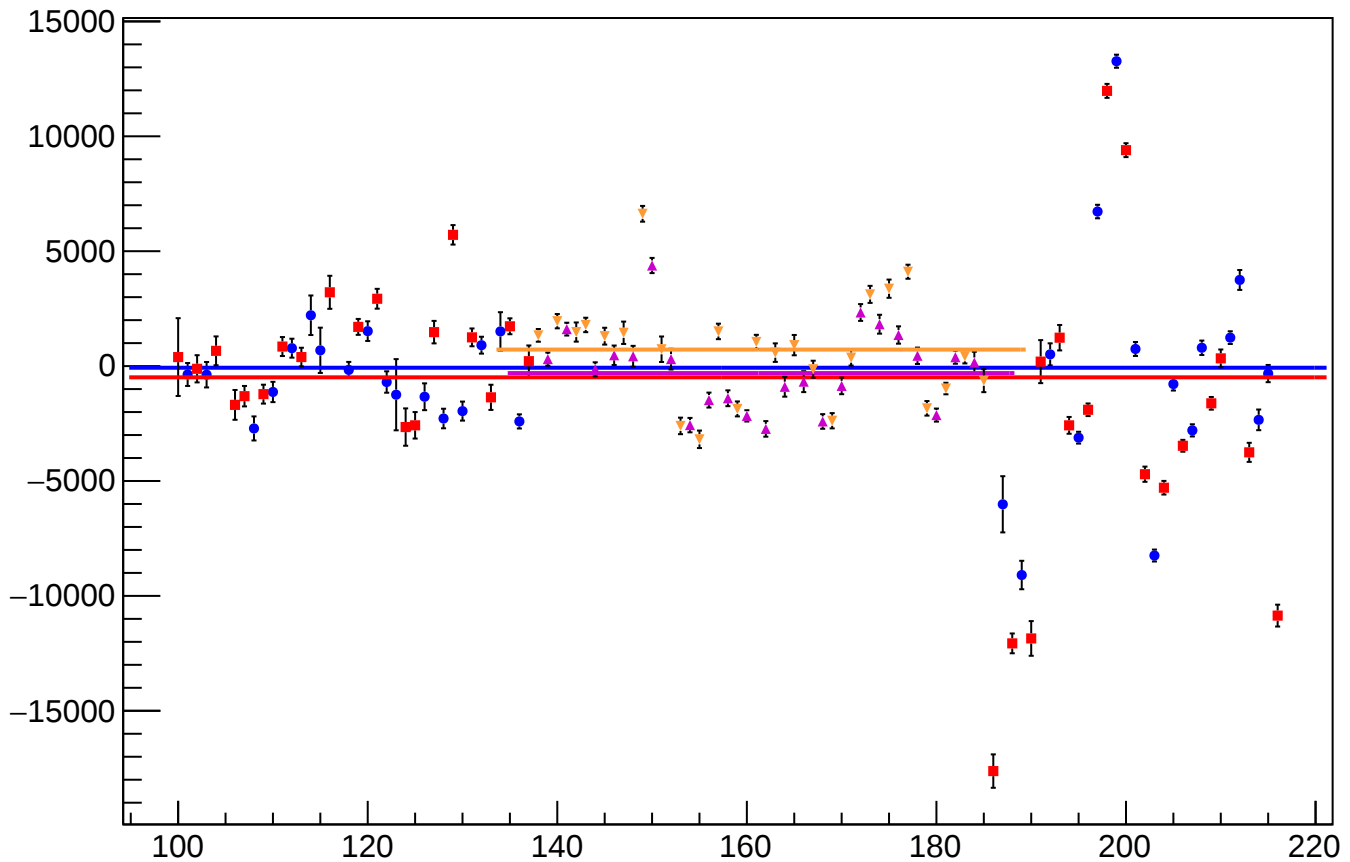
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF: 1144197.1/22

+ sign 211.562 $\pm$ 0.026 χ^2 /NDF: 2668108.1/56

All: 207.885 $\pm$ 0.018 χ^2 /NDF: 6251722.7/114

- sign 204.329 $\pm$ 0.025 χ^2 /NDF: 3543594.3/57

asym_bpm0r03WS_mean vs Slug



Right In: -71.218 ± 67.972 $\chi^2/\text{NDF}: 4529.0/31$

Left Out: 718.705 ± 69.601 $\chi^2/\text{NDF}: 1018.5/24$

Right Out: -488.908 ± 70.189 $\chi^2/\text{NDF}: 5912.2/34$

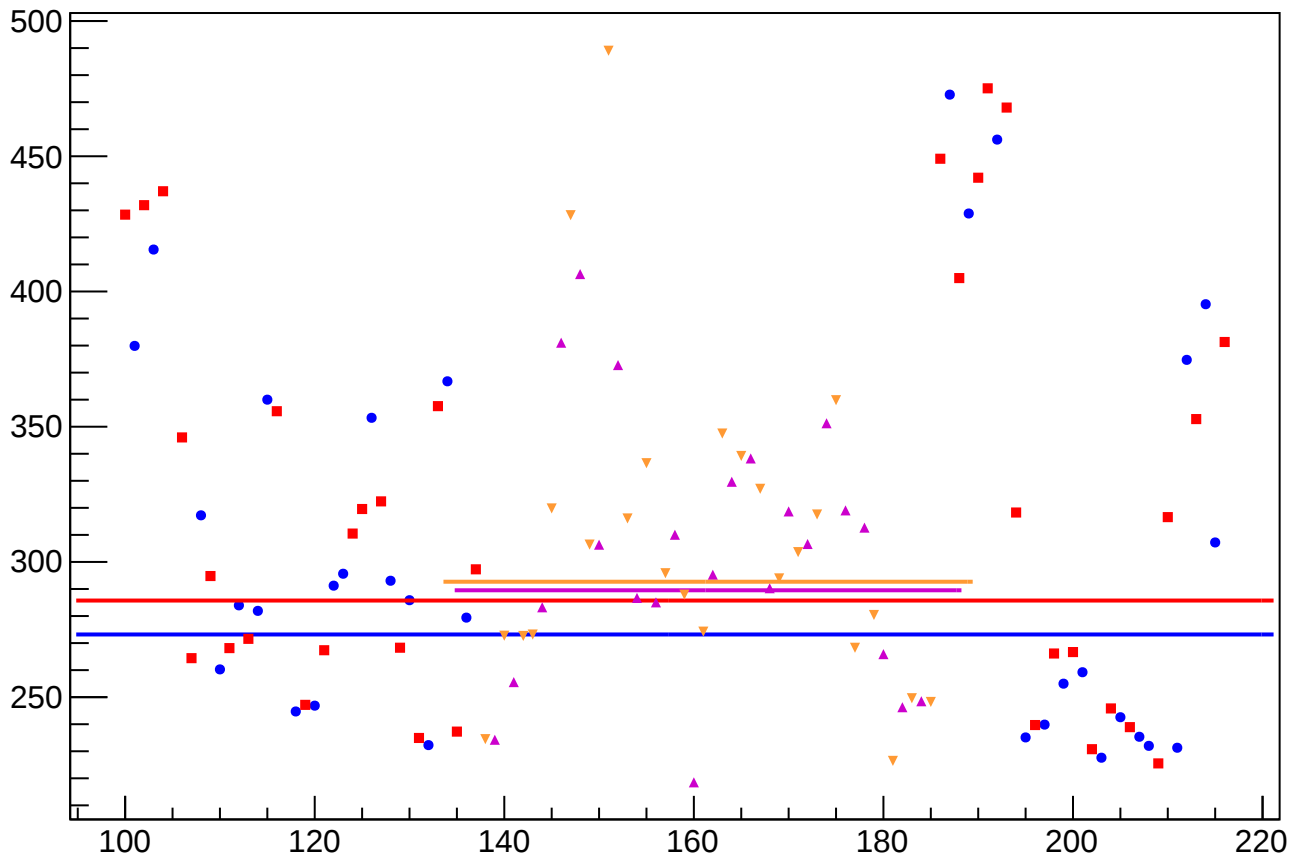
Left In: -304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

+ sign 314.395 ± 48.629 $\chi^2/\text{NDF}: 5613.4/56$

All: -32.387 ± 34.827 $\chi^2/\text{NDF}: 12276.9/114$

- sign -397.540 ± 49.901 $\chi^2/\text{NDF}: 6559.1/57$

asym_bpm0r03WS_rms vs Slug



Right In: 273.184+/-0.048 χ^2/NDF : 1407287.7/31

Left Out: 292.686+/-0.049 χ^2/NDF : 925193.6/24

Right Out: 285.729+/-0.050 χ^2/NDF : 1586117.3/34

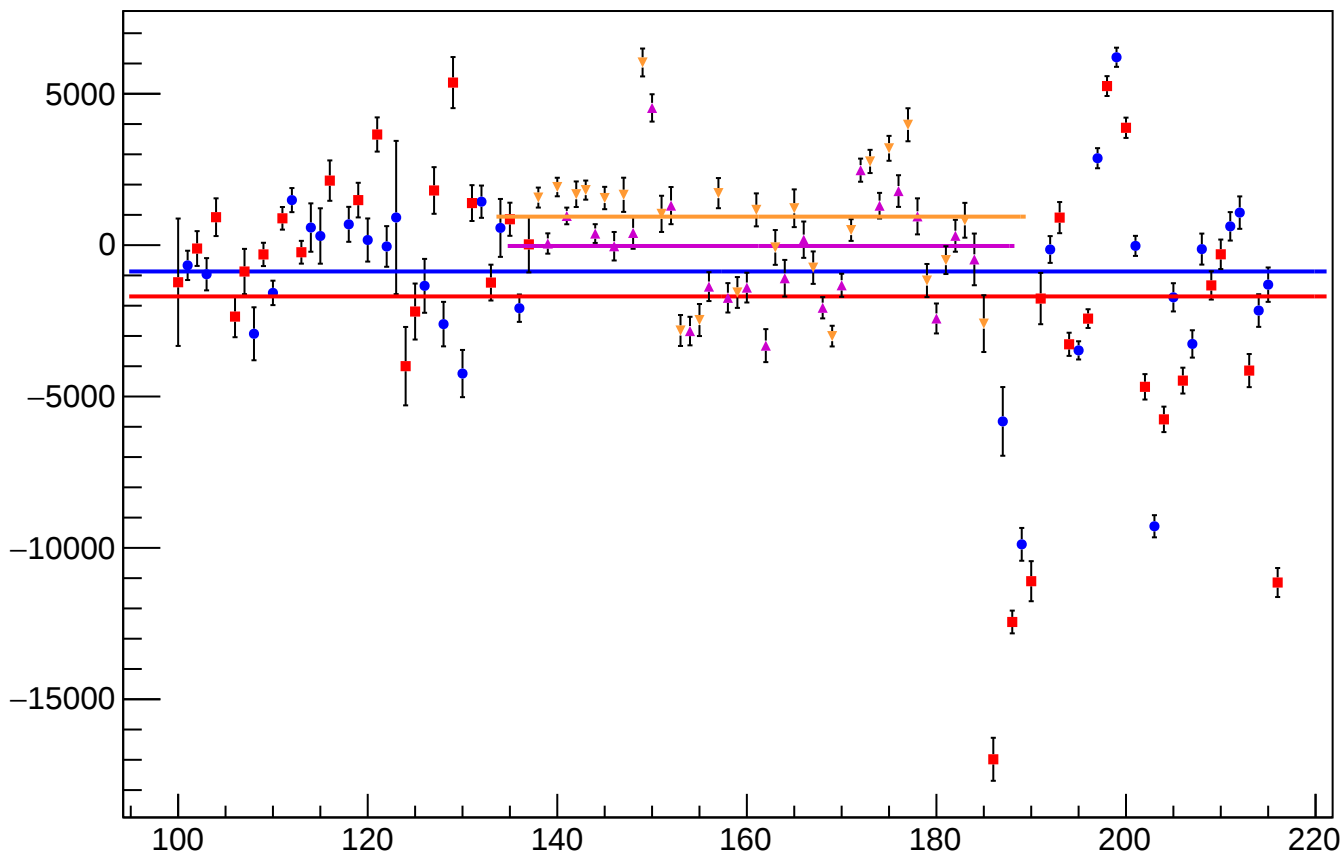
Left In: 289.522+/-0.050 χ^2/NDF : 777901.0/22

+ sign 282.704+/-0.034 χ^2/NDF : 2412853.9/56

All: 285.091+/-0.025 χ^2/NDF : 4789654.5/114

- sign 287.605+/-0.035 χ^2/NDF : 2366906.1/57

asym_bpm0r05WS_mean vs Slug



Right In: -869.072 ± 87.794 χ^2/NDF : 1710.4/31

Left Out: 941.598 ± 89.119 χ^2/NDF : 544.6/24

Right Out: -1693.992 ± 84.645 χ^2/NDF : 3265.7/34

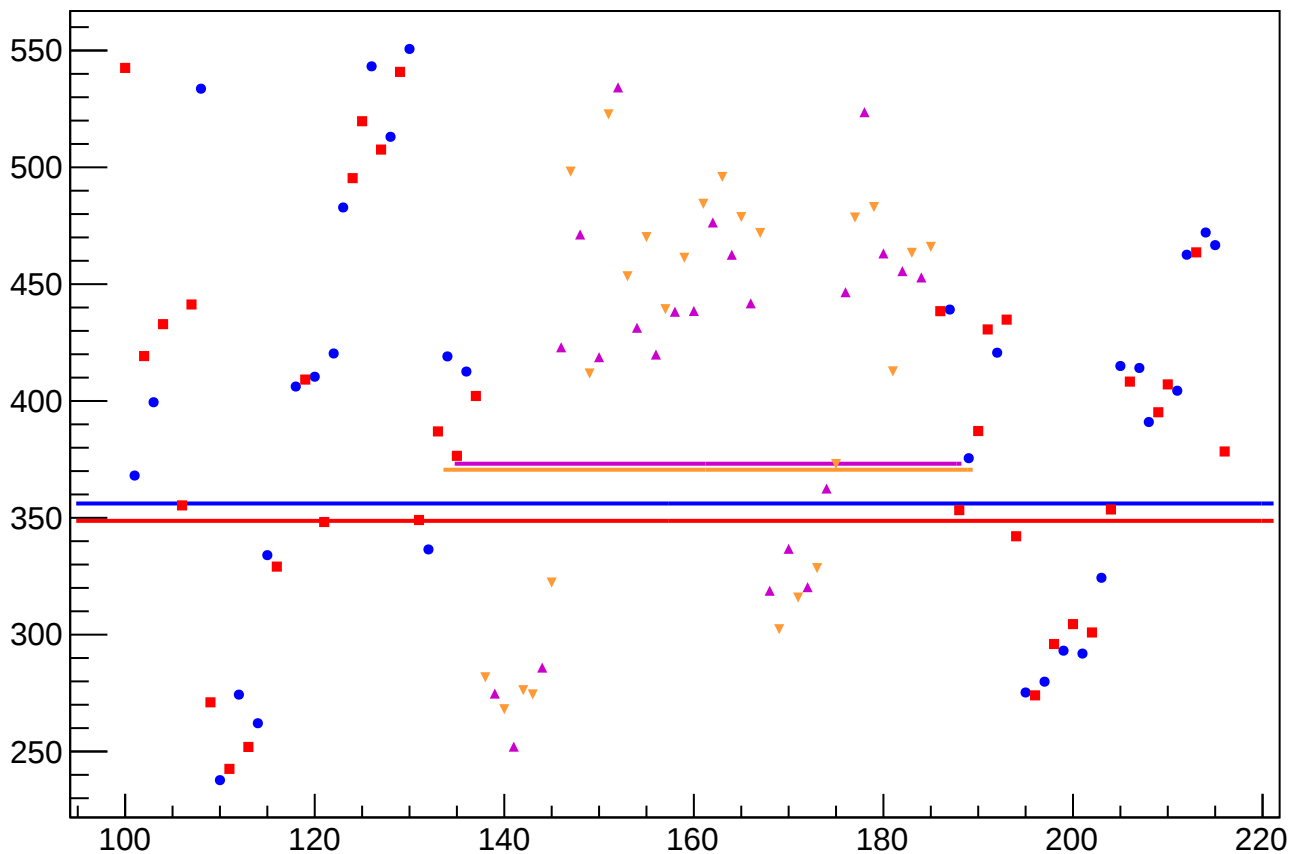
Left In: -27.763 ± 92.331 χ^2/NDF : 362.5/22

+ sign 22.702 ± 62.543 χ^2/NDF : 2464.5/56

All: -456.345 ± 44.172 χ^2/NDF : 6386.6/114

- sign -933.108 ± 62.394 χ^2/NDF : 3805.1/57

asym_bpm0r05WS_rms vs Slug



Right In: 356.133+/-0.062 χ^2/NDF : 1596928.6/31

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 348.704+/-0.060 χ^2/NDF : 1343513.0/34

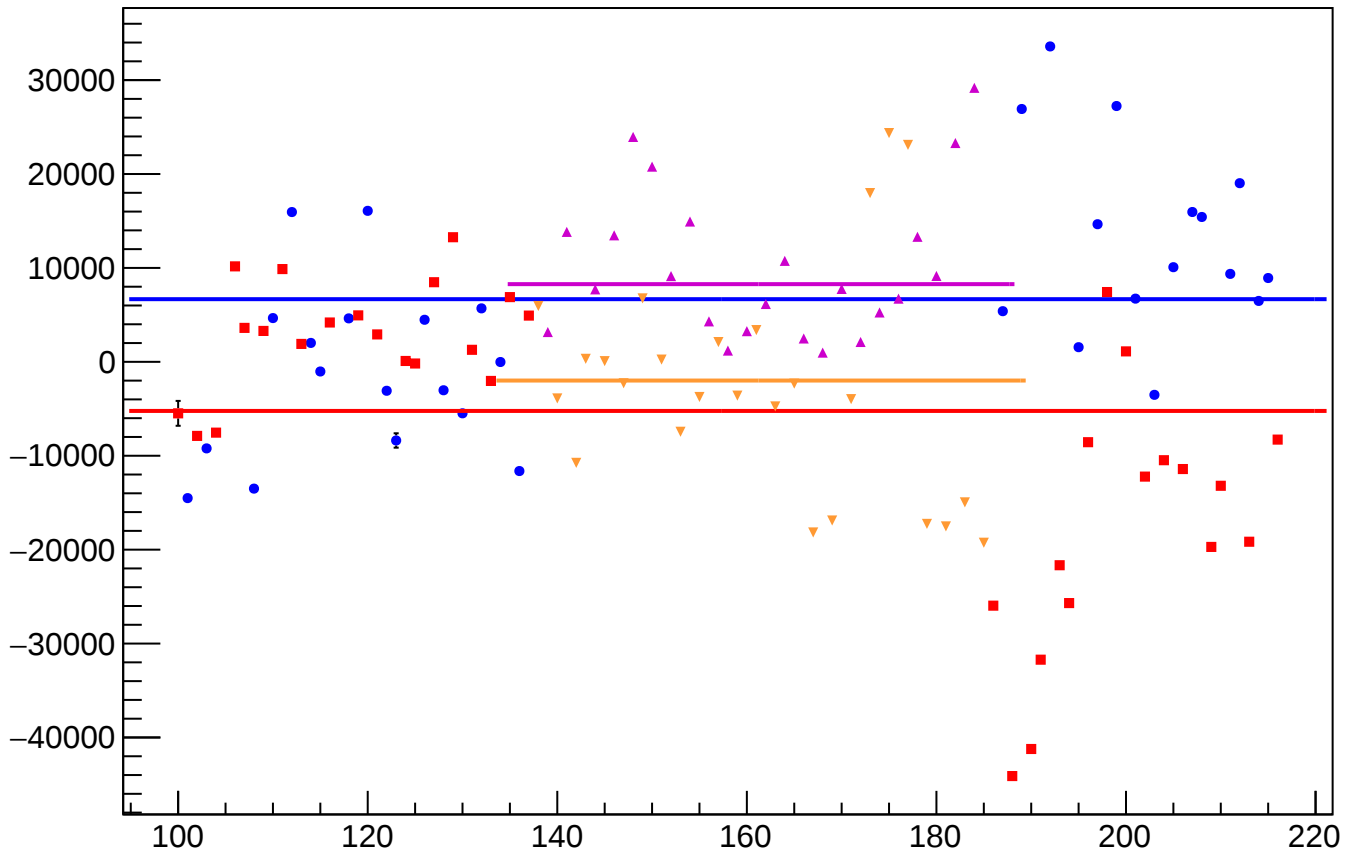
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 363.248+/-0.044 χ^2/NDF : 3501718.8/56

All: 361.556+/-0.031 χ^2/NDF : 6560644.1/114

- sign 359.872+/-0.044 χ^2/NDF : 3056004.3/57

asym_bpm0i02WS_mean vs Slug



Right In: 6672.533+/-39.654 χ^2/NDF : 93771.6/31

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

+ sign 2632.672+/-28.970 χ^2/NDF : 179797.7/56

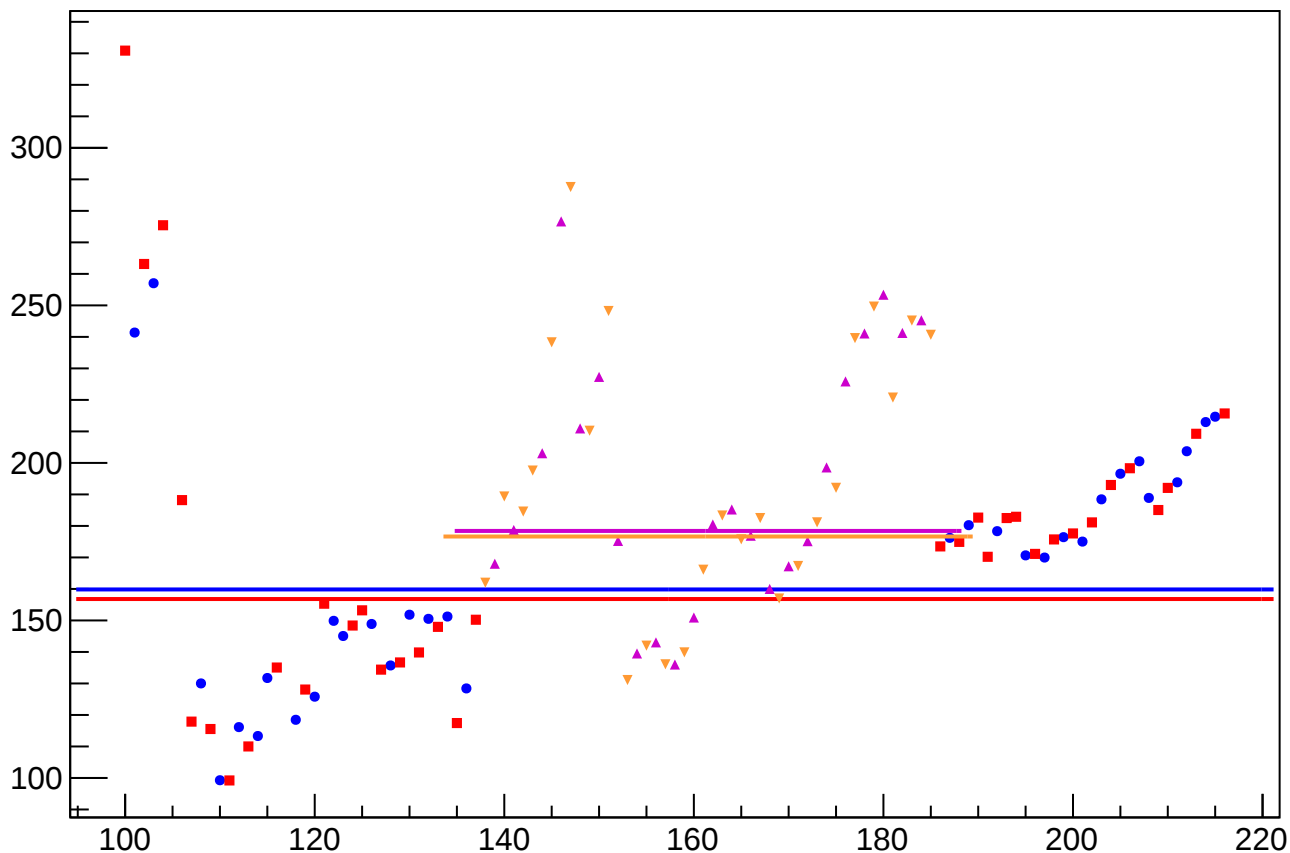
Right Out: -5228.076+/-38.359 χ^2/NDF : 144170.6/34

All: 1595.851+/-20.495 χ^2/NDF : 402485.1/11

- sign 556.993+/-28.999 χ^2/NDF : 220123.2/57

Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

asym_bpm0i02WS_rms vs Slug



Right In: 159.839 $\pm$ 0.028 χ^2 /NDF: 1625934.8/31

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 156.797 $\pm$ 0.027 χ^2 /NDF: 1829154.3/34

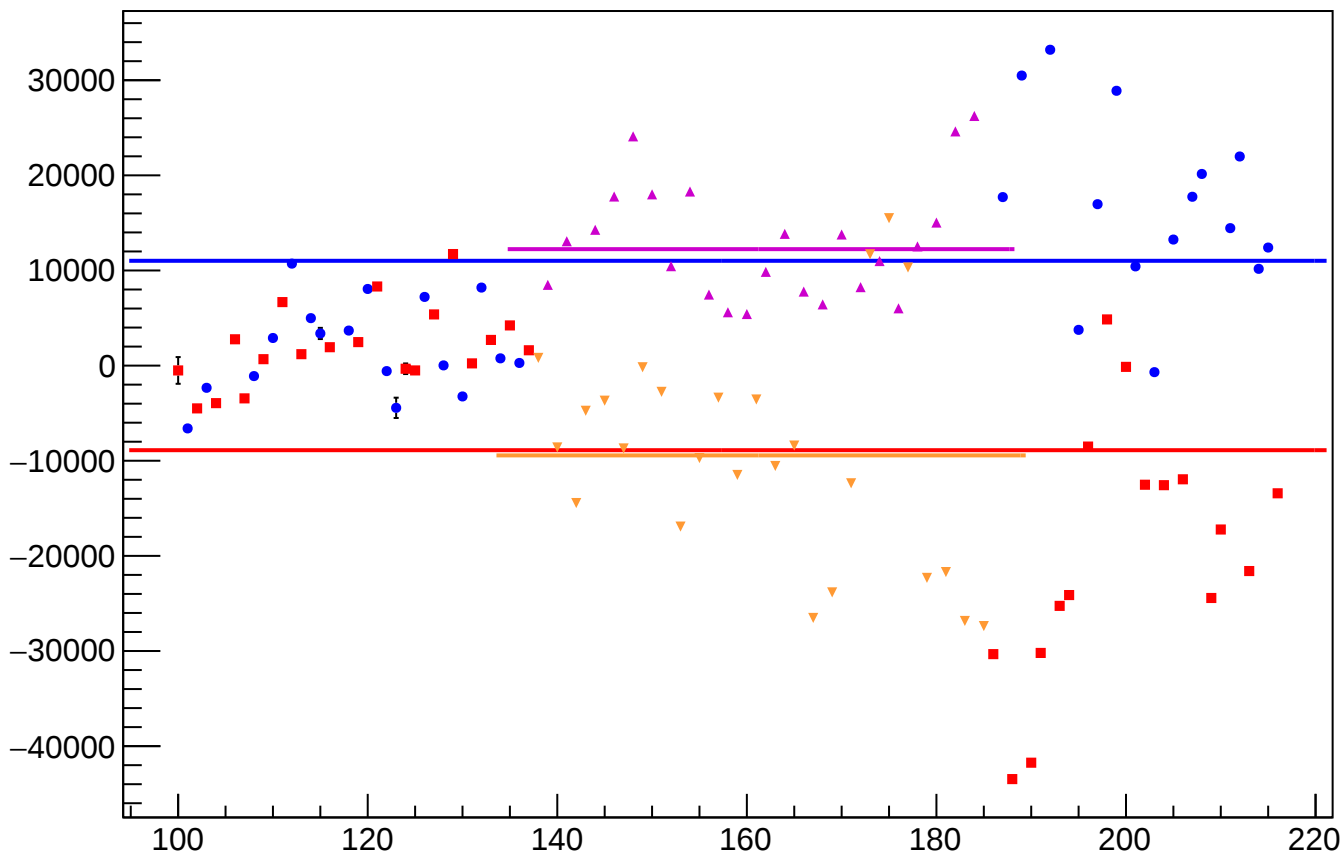
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 167.673 $\pm$ 0.020 χ^2 /NDF: 3344390.1/56

All: 166.867 $\pm$ 0.014 χ^2 /NDF: 6742526.7/114

- sign 166.059 $\pm$ 0.021 χ^2 /NDF: 3395035.5/57

asym_bpm0i02aWS_mean vs Slug



Right In: 11017.661 ± 43.579 $\chi^2/\text{NDF}: 55173.7/31$

Left Out: -9437.408 ± 45.534 $\chi^2/\text{NDF}: 62220.4/24$

Right Out: -8890.872 ± 42.359 $\chi^2/\text{NDF}: 115979.5/34$

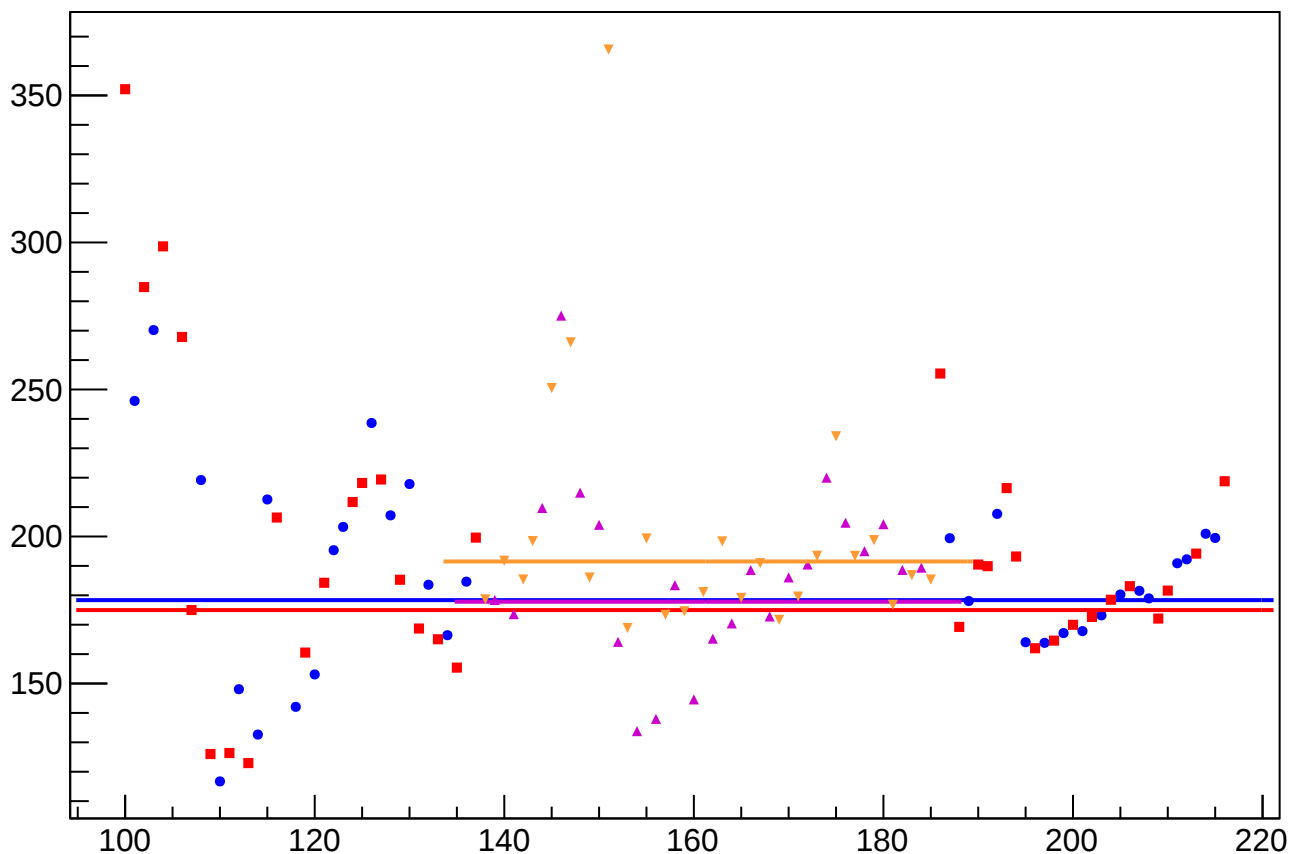
Left In: 12242.226 ± 43.944 $\chi^2/\text{NDF}: 16615.8/22$

+ sign 1238.660 ± 31.484 $\chi^2/\text{NDF}: 222719.8/56$

All: 1263.850 ± 21.905 $\chi^2/\text{NDF}: 475199.3/11$

- sign 1287.486 ± 30.497 $\chi^2/\text{NDF}: 252478.3/57$

asym_bpm0i02aWS_rms vs Slug



Right In: 178.360+/-0.031 χ^2/NDF : 819184.8/31

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 174.976+/-0.030 χ^2/NDF : 1204608.1/34

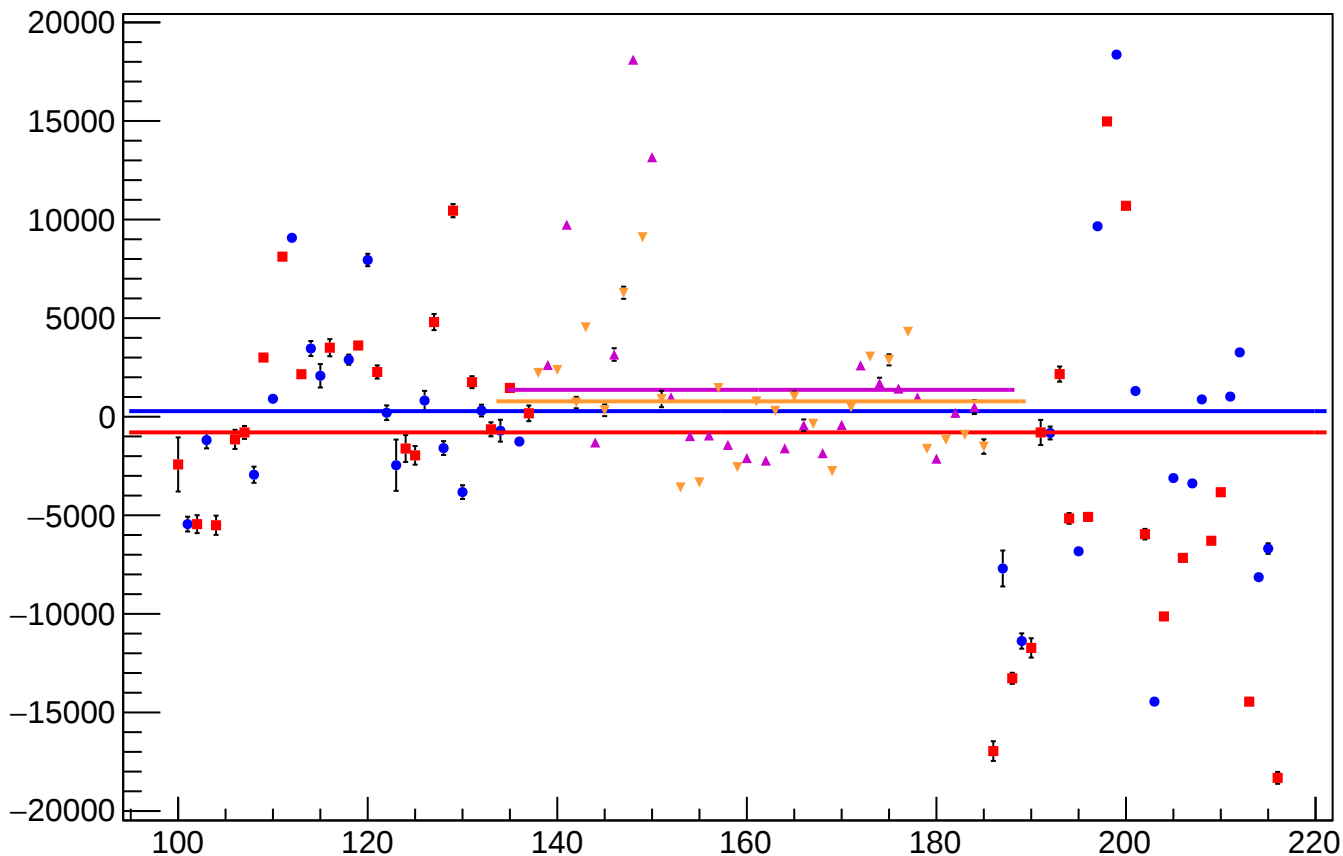
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 184.645+/-0.022 χ^2/NDF : 1633453.4/56

All: 180.364+/-0.015 χ^2/NDF : 3776589.1/114

- sign 176.347+/-0.022 χ^2/NDF : 2071448.9/57

asym_bpm0i05WS_mean vs Slug



Right In: 282.412 ± 48.813 $\chi^2/\text{NDF}: 22329.3/31$

Left Out: 779.983 ± 47.457 $\chi^2/\text{NDF}: 4260.8/24$

Right Out: -795.328 ± 47.652 $\chi^2/\text{NDF}: 28417.2/34$

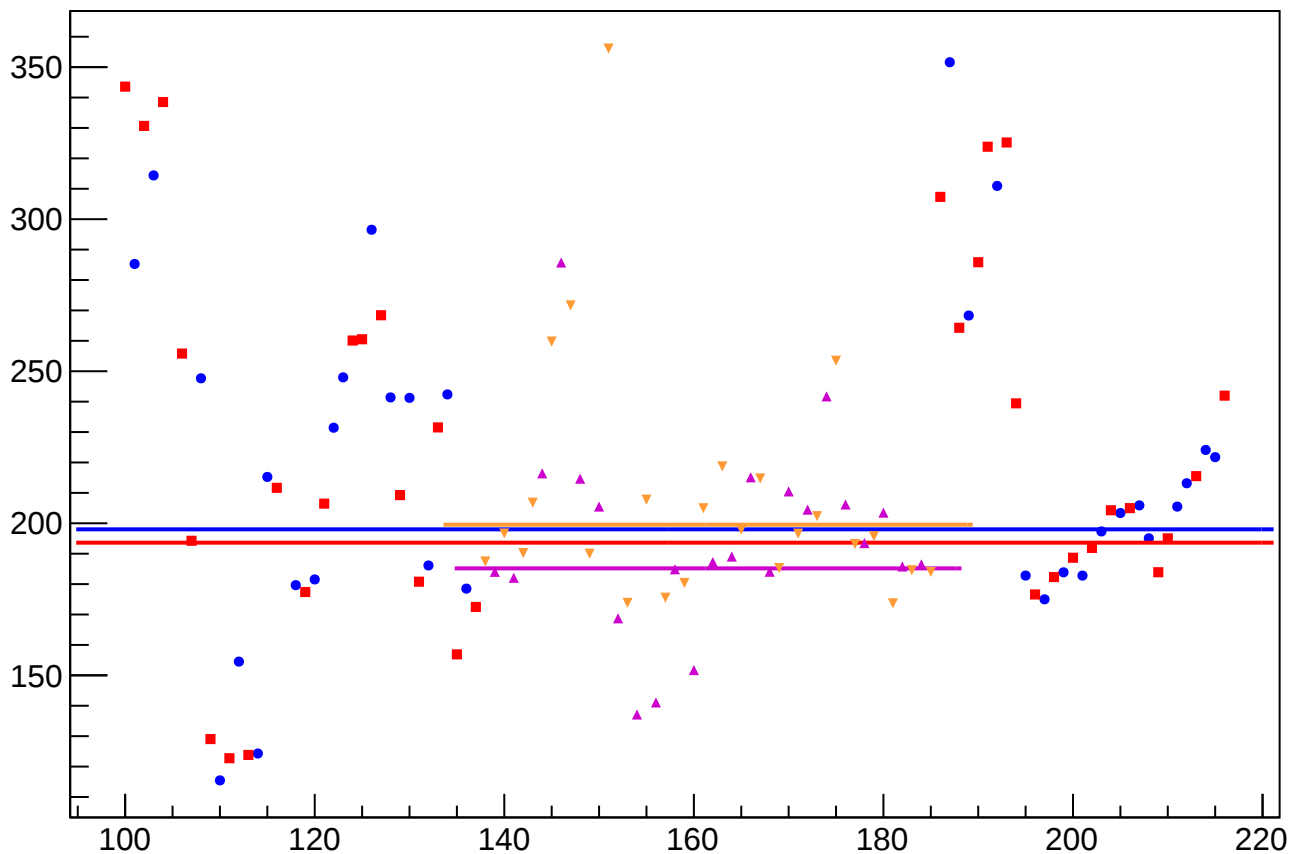
Left In: 1363.043 ± 45.807 $\chi^2/\text{NDF}: 11632.9/22$

+ sign 538.201 ± 34.026 $\chi^2/\text{NDF}: 26643.4/56$

All: 429.169 ± 23.698 $\chi^2/\text{NDF}: 67779.7/114$

- sign 326.470 ± 33.023 $\chi^2/\text{NDF}: 41116.3/57$

asym_bpm0i05WS_rms vs Slug



Right In: 198.008 ± 0.035 $\chi^2/\text{NDF}: 1468370.0/31$

Left Out: 199.547 ± 0.034 $\chi^2/\text{NDF}: 729356.3/24$

Right Out: 193.625 ± 0.034 $\chi^2/\text{NDF}: 2215673.2/34$

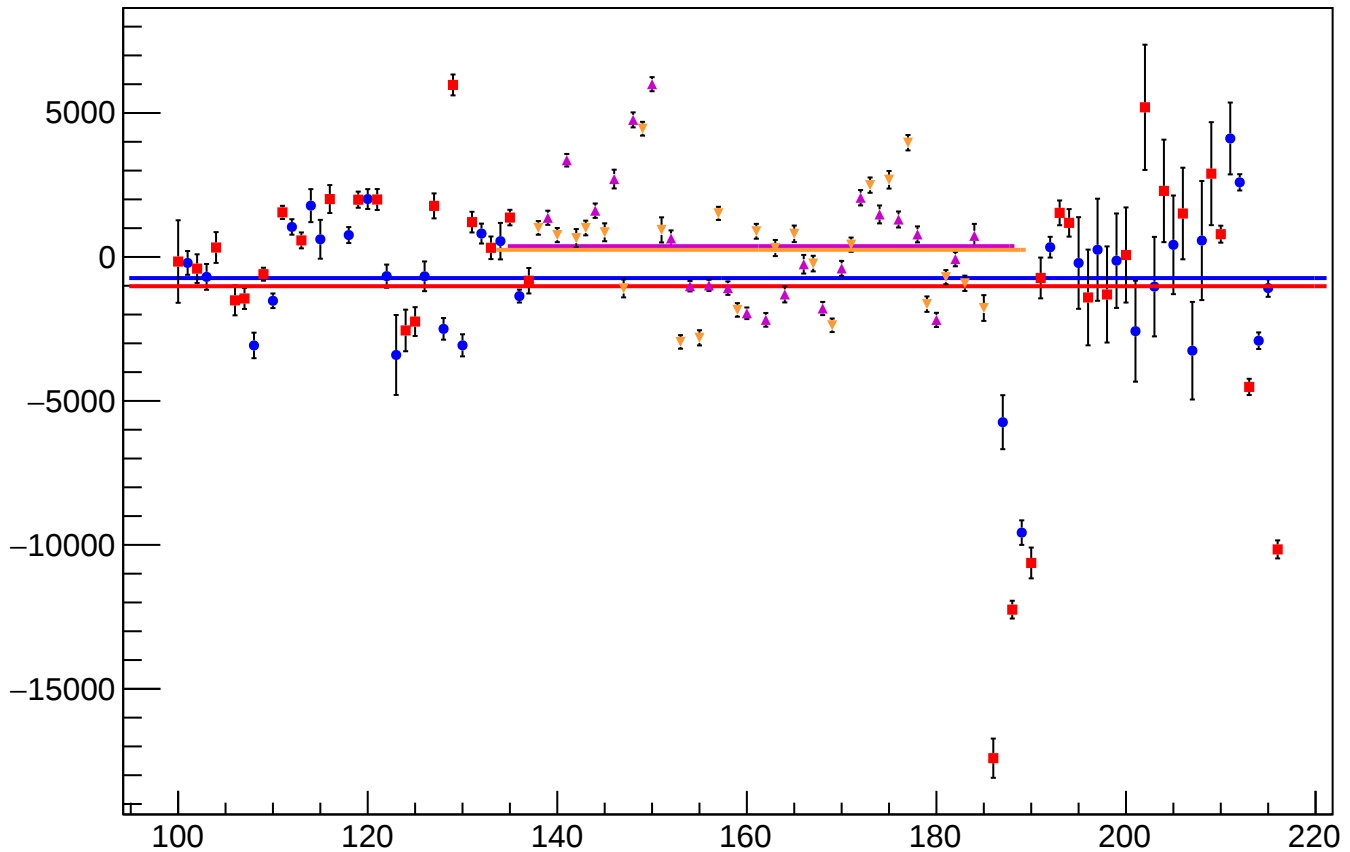
Left In: 185.171 ± 0.032 $\chi^2/\text{NDF}: 882752.2/22$

+ sign 198.799 ± 0.024 $\chi^2/\text{NDF}: 2198747.3/56$

All: 193.872 ± 0.017 $\chi^2/\text{NDF}: 5411334.7/114$

- sign 189.231 ± 0.023 $\chi^2/\text{NDF}: 3131142.7/57$

asym_bpm0i07WS_mean vs Slug



Right In: -733.485 ± 74.568 χ^2/NDF : 977.3/31

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -1015.856 ± 68.610 χ^2/NDF : 4295.2/34

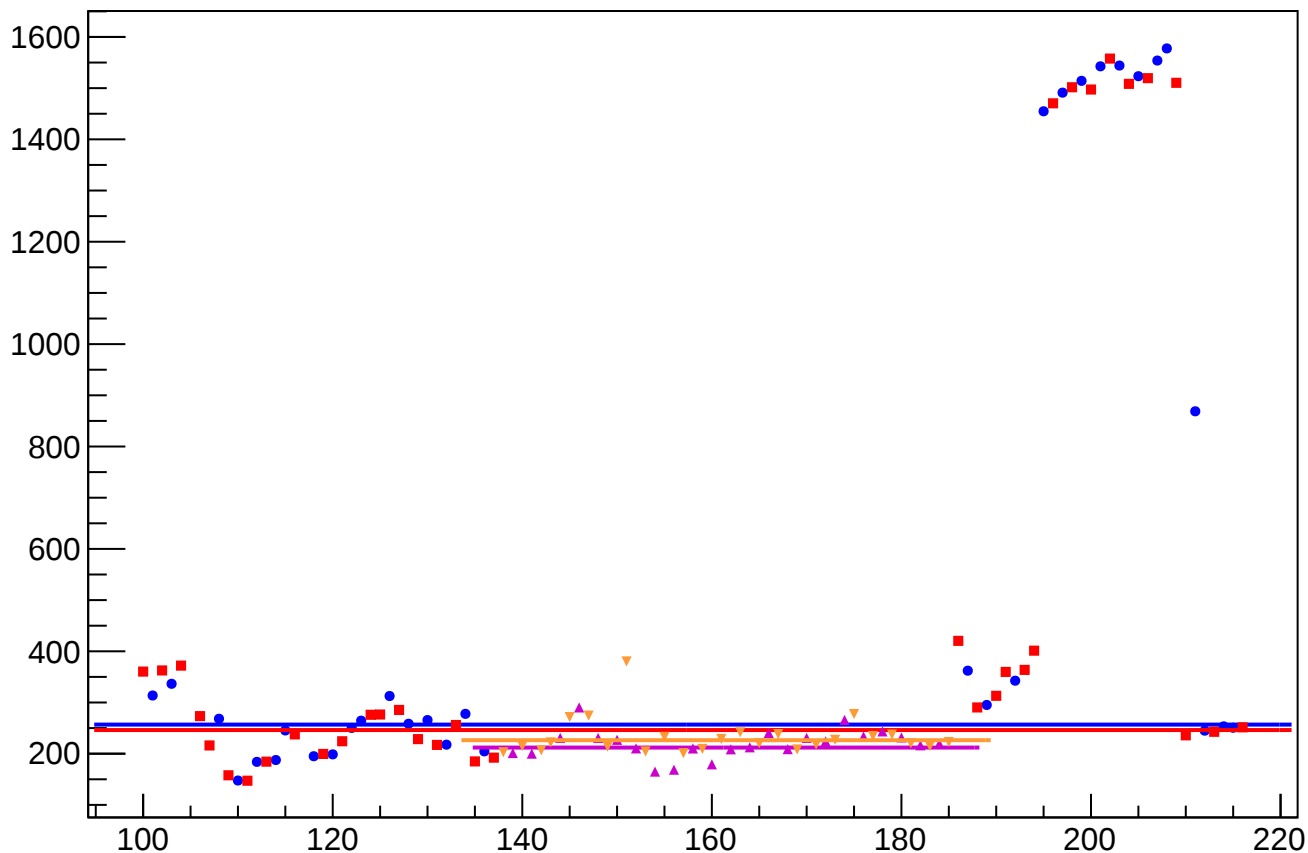
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -86.089 ± 43.499 χ^2/NDF : 2446.6/56

All: -110.985 ± 30.014 χ^2/NDF : 8803.9/114

- sign -133.610 ± 41.467 χ^2/NDF : 6356.7/57

asym_bpm0i07WS_rms vs Slug



Right In: 256.836 $\pm$ 0.053 χ^2 /NDF: 10146968.3/31

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 246.170 $\pm$ 0.049 χ^2 /NDF: 9273928.5/34

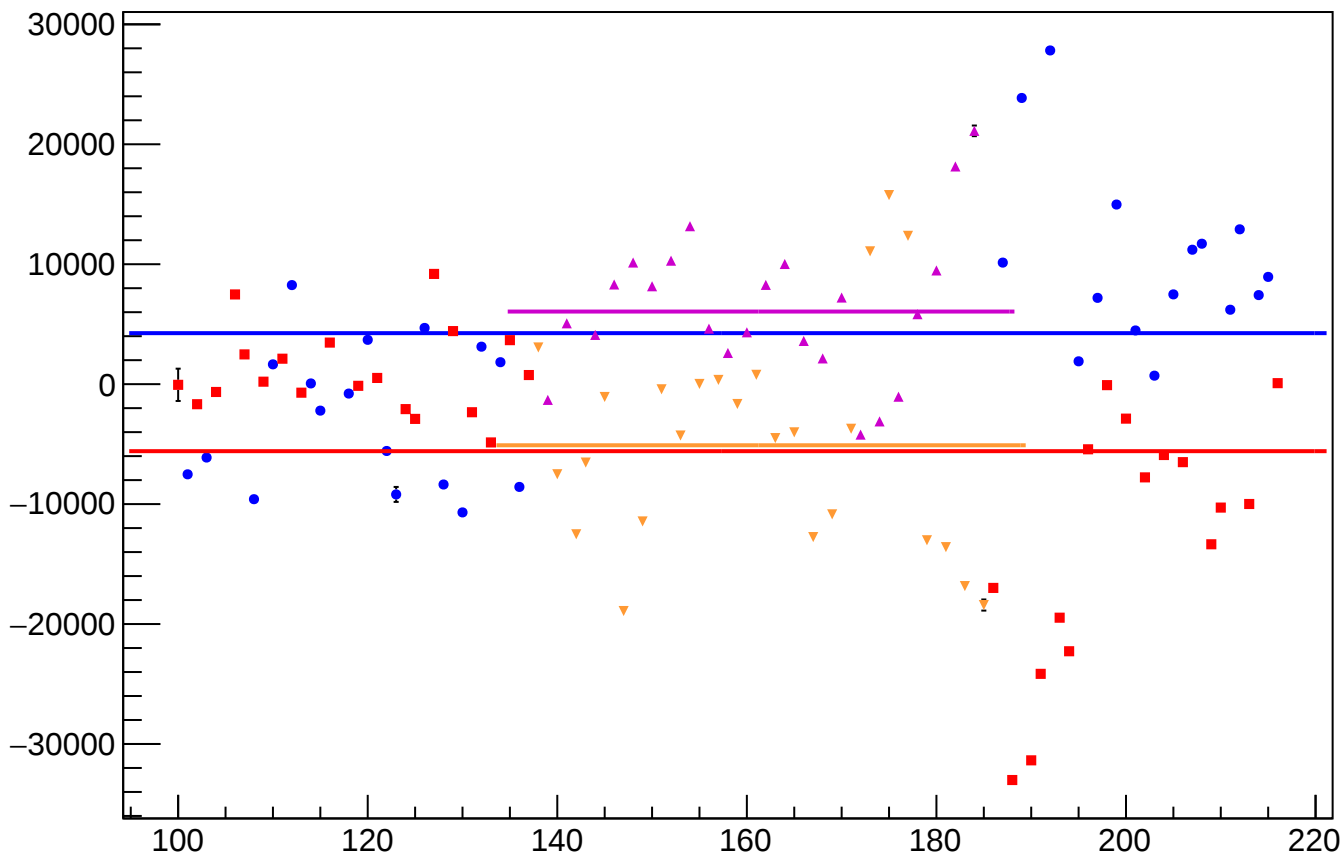
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 236.705 $\pm$ 0.031 χ^2 /NDF: 10888959.7/56

All: 230.291 $\pm$ 0.021 χ^2 /NDF: 21145642.8/11

- sign 224.463 $\pm$ 0.029 χ^2 /NDF: 10173680.6/57

asym_bpm1i02WS_mean vs Slug



Right In: 4252.380 ± 33.717 $\chi^2/\text{NDF}: 80123.8/31$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

Right Out: -5587.122 ± 32.382 $\chi^2/\text{NDF}: 104525.7/34$

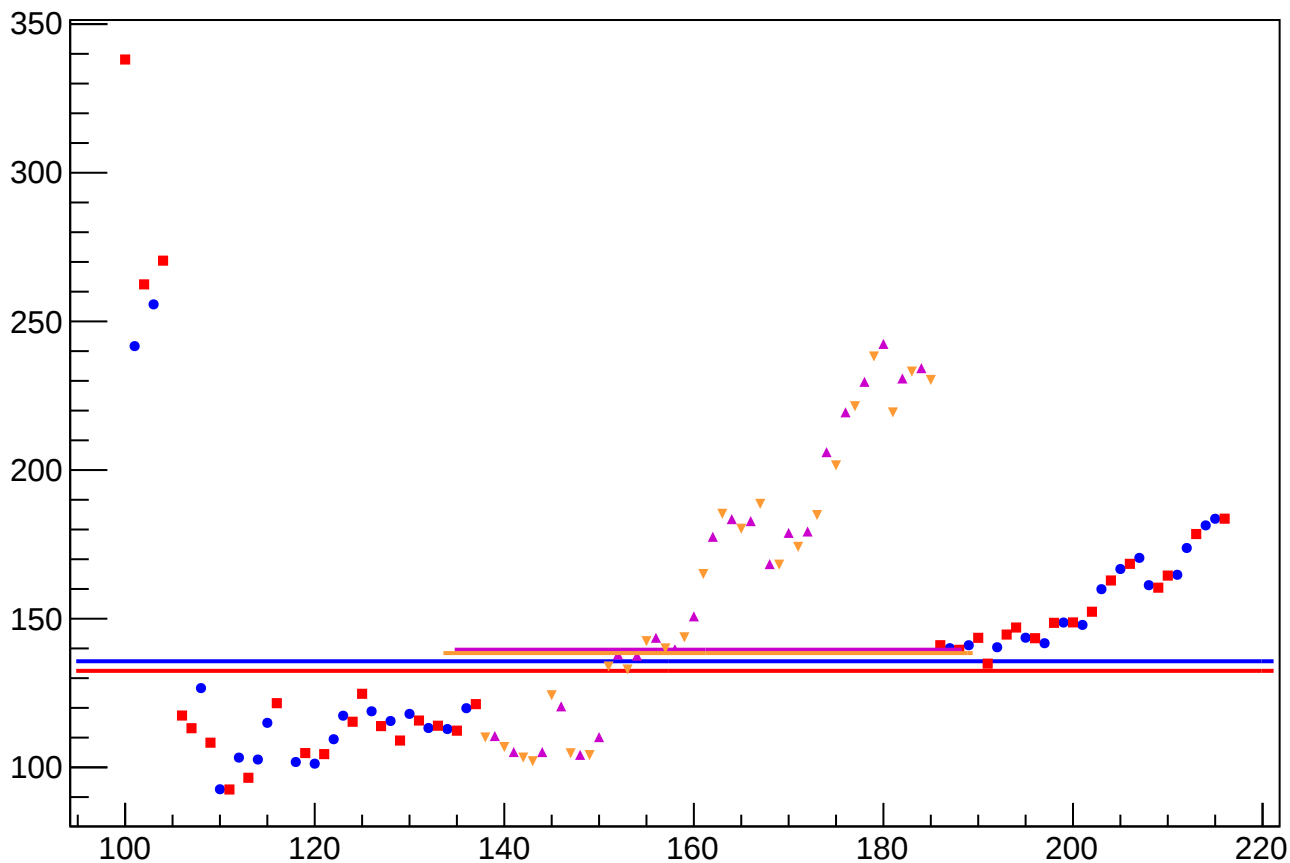
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -423.394 ± 23.837 $\chi^2/\text{NDF}: 172965.1/56$

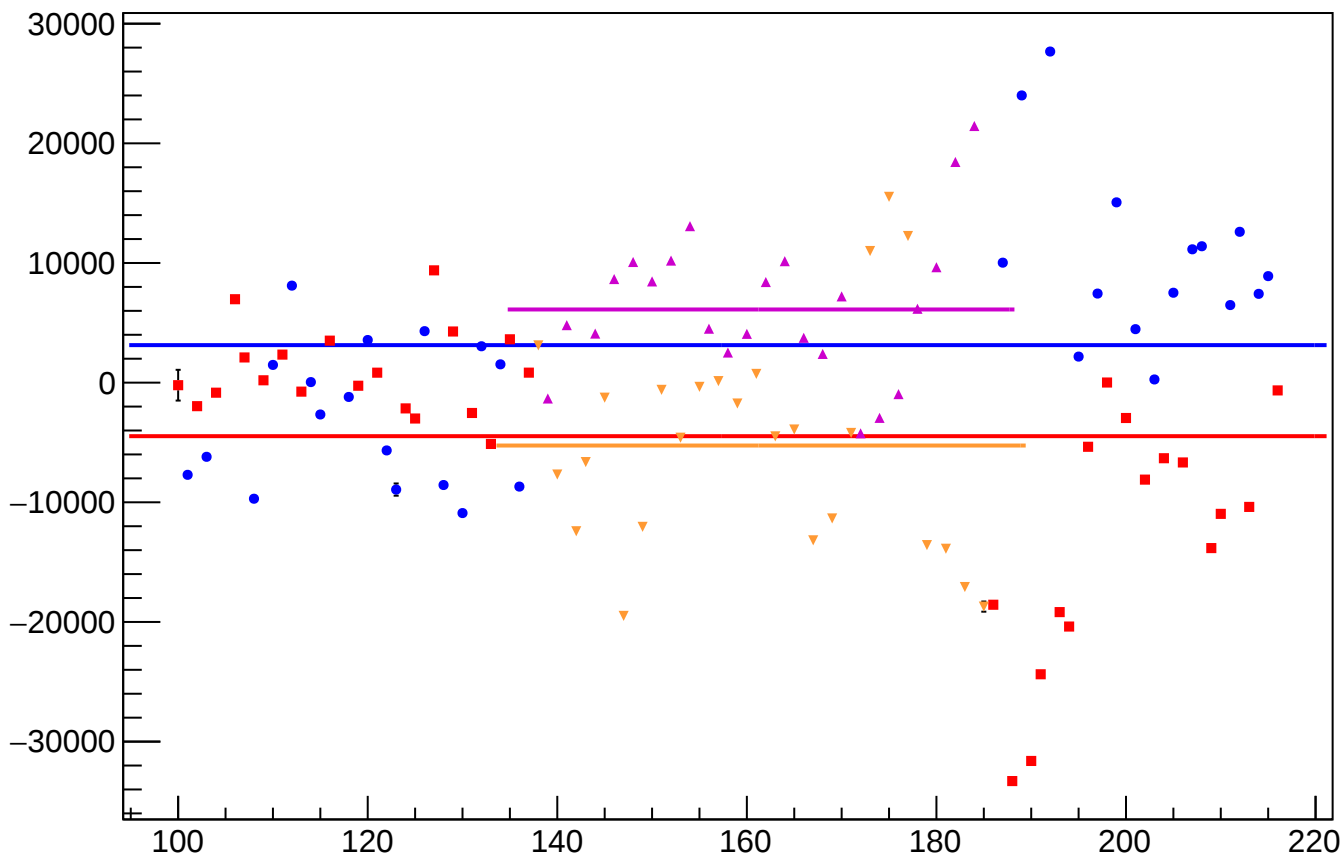
All: -320.393 ± 16.831 $\chi^2/\text{NDF}: 354721.0/11$

- sign -217.980 ± 23.769 $\chi^2/\text{NDF}: 181718.7/57$

asym_bpm1i02WS_rms vs Slug



asym_bpm1i04WS_mean vs Slug



Right In: 3135.453+/-30.263 χ^2/NDF : 91084.9/31

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -4473.693+/-29.180 χ^2/NDF : 114066.0/34

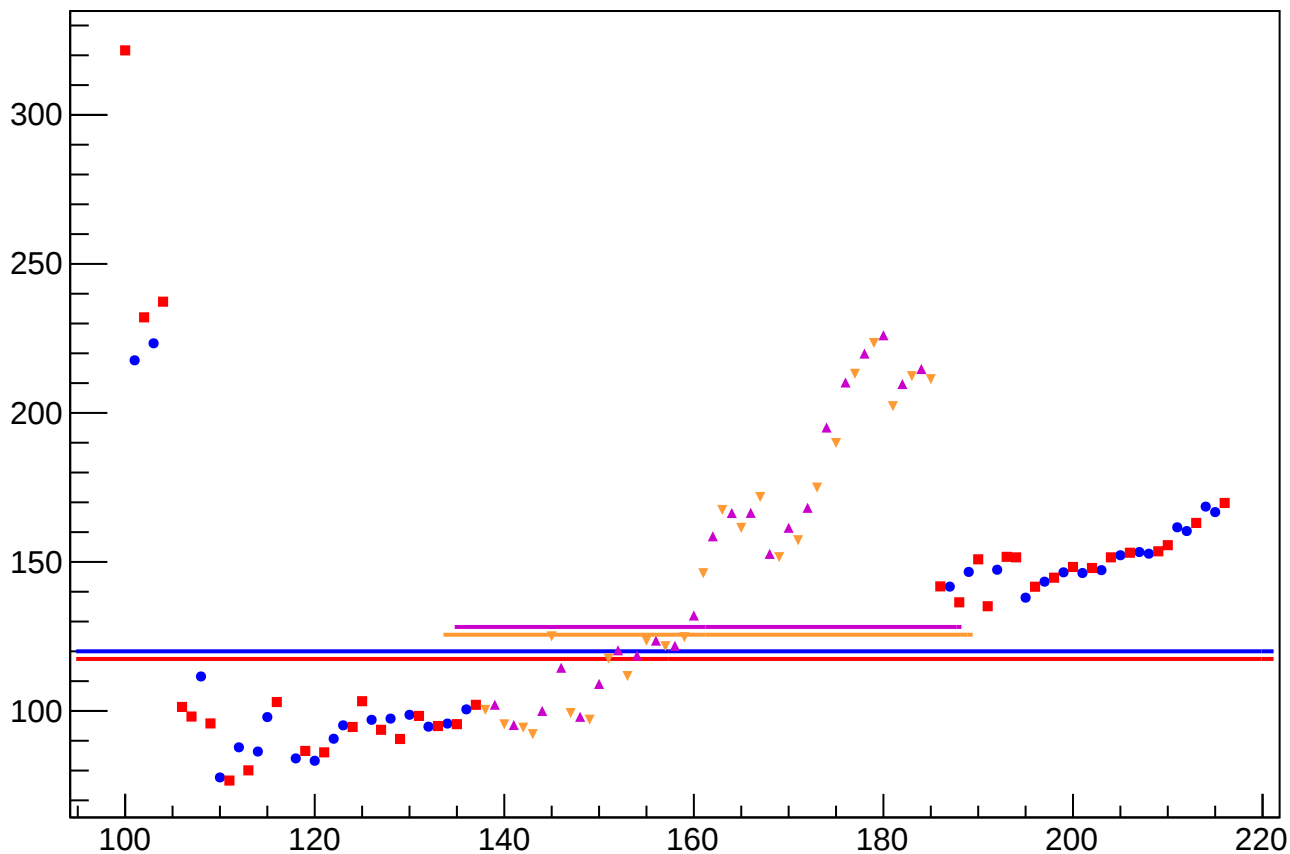
Left In: 6114.901+/-32.126 χ^2/NDF : 21260.9/22

+ sign -1010.636+/-21.525 χ^2/NDF : 193396.3/56

All: -351.078+/-15.247 χ^2/NDF : 390132.5/11

- sign 313.087+/-21.600 χ^2/NDF : 194851.8/57

asym_bpm1i04WS_rms vs Slug



Right In: 120.015+/-0.021 χ^2/NDF : 2445272.5/31

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 117.452+/-0.021 χ^2/NDF : 2599084.7/34

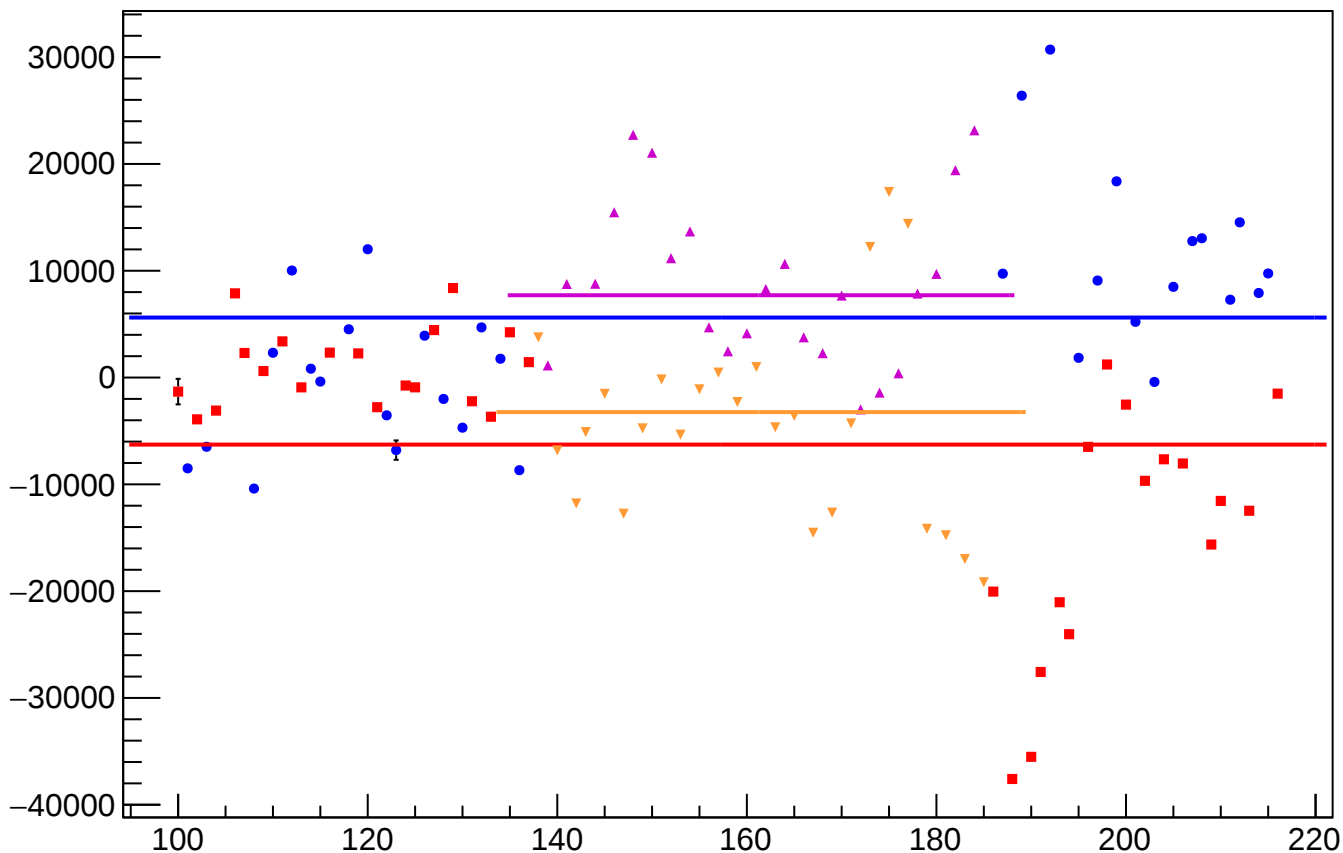
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 122.763+/-0.015 χ^2/NDF : 5074405.8/56

All: 122.534+/-0.011 χ^2/NDF : 10129219.2/11

- sign 122.303+/-0.015 χ^2/NDF : 5054358.0/57

asym_bpm1i06WS_mean vs Slug



Right In: 5618.191+/-39.982 χ^2/NDF : 62901.2/31

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -6278.024+/-38.477 χ^2/NDF : 93760.4/34

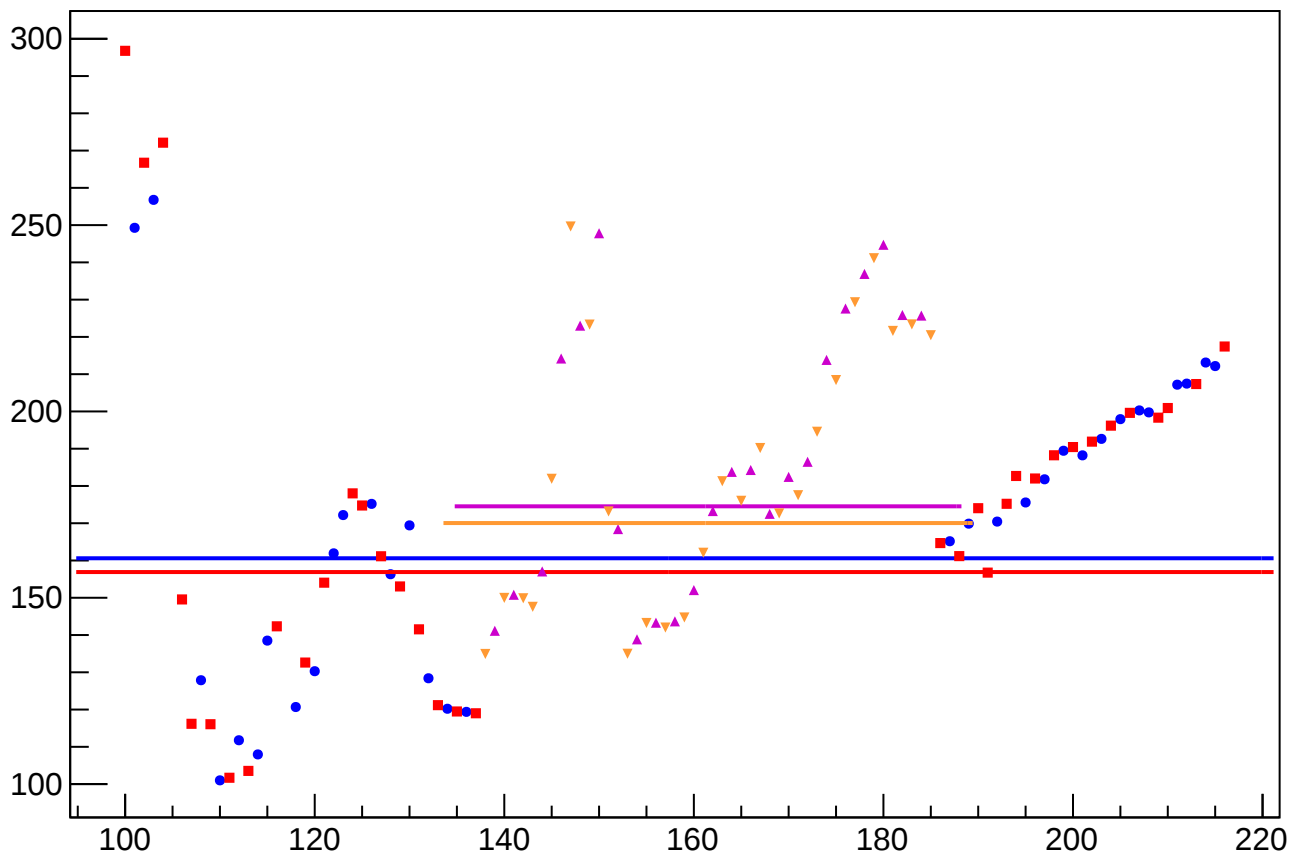
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 1257.675+/-28.481 χ^2/NDF : 123790.9/56

All: 604.330+/-20.206 χ^2/NDF : 298636.5/114

- sign -57.730+/-28.671 χ^2/NDF : 173786.2/57

asym_bpm1i06WS_rms vs Slug



Right In: 160.599+/-0.028 χ^2/NDF : 1901246.5/31

Left Out: 170.050+/-0.029 χ^2/NDF :1240866.9/24

Right Out: 156.900+/-0.027 χ^2/NDF : 1990743.3/34

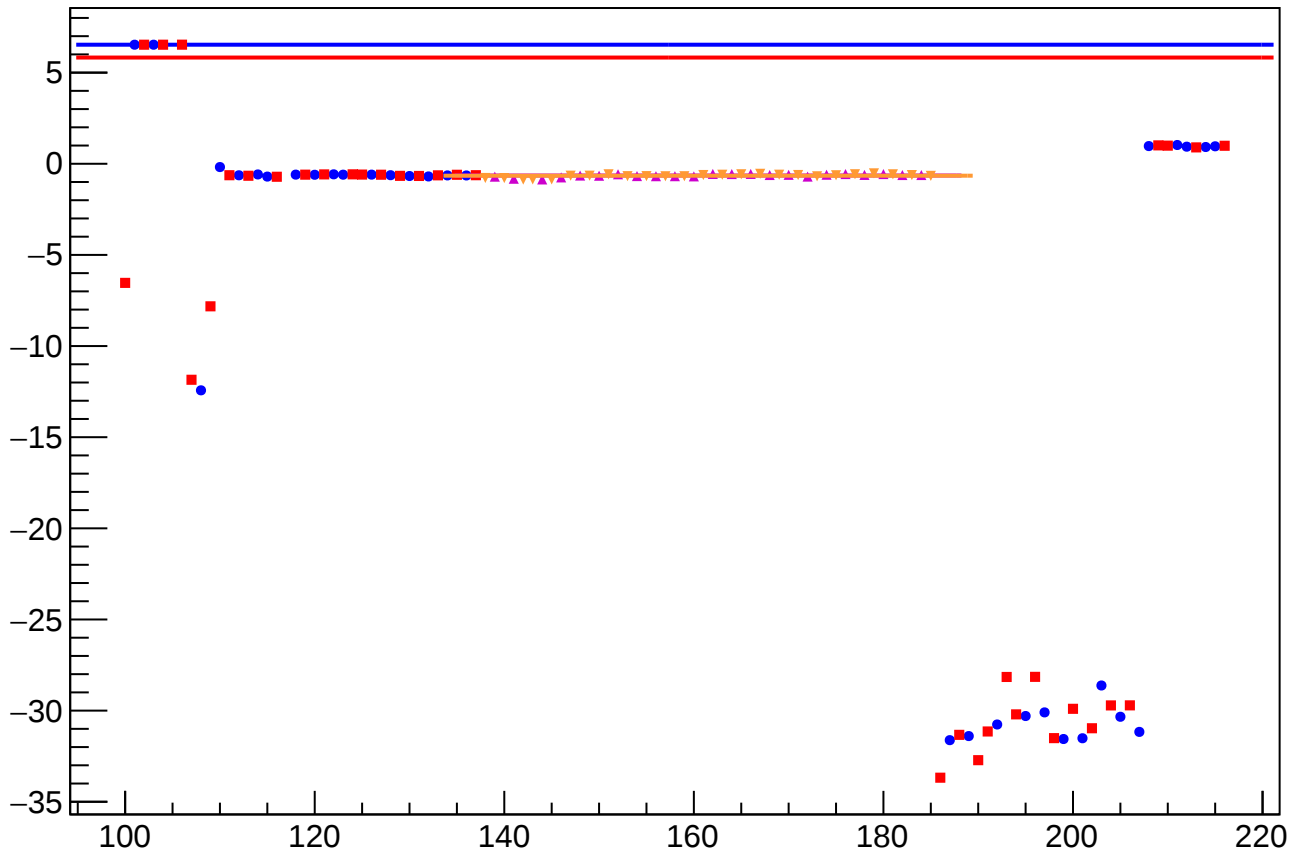
Left In: 174.539+/-0.030 χ^2/NDF :1210071.2/22

+ sign 165.254+/-0.020 χ^2/NDF : 3197148.6/56

All: 165.002+/-0.014 χ^2/NDF : 6585216.2/114

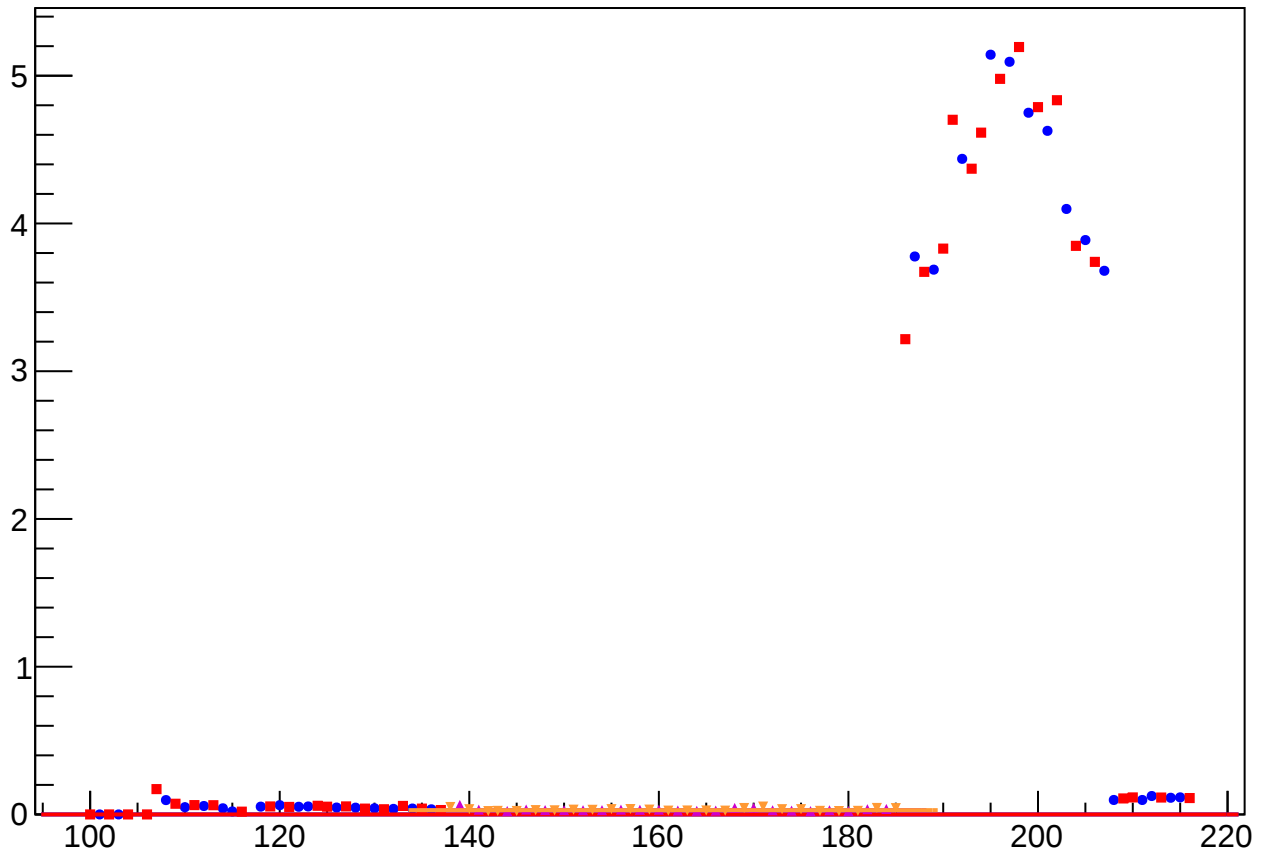
- sign 164.746+/-0.020 χ^2/NDF : 3387751.4/57

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 136969014979.3/31
 Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24
 Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755952943512190.9/34
 Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 29745122.7/31

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 30315949.8/34

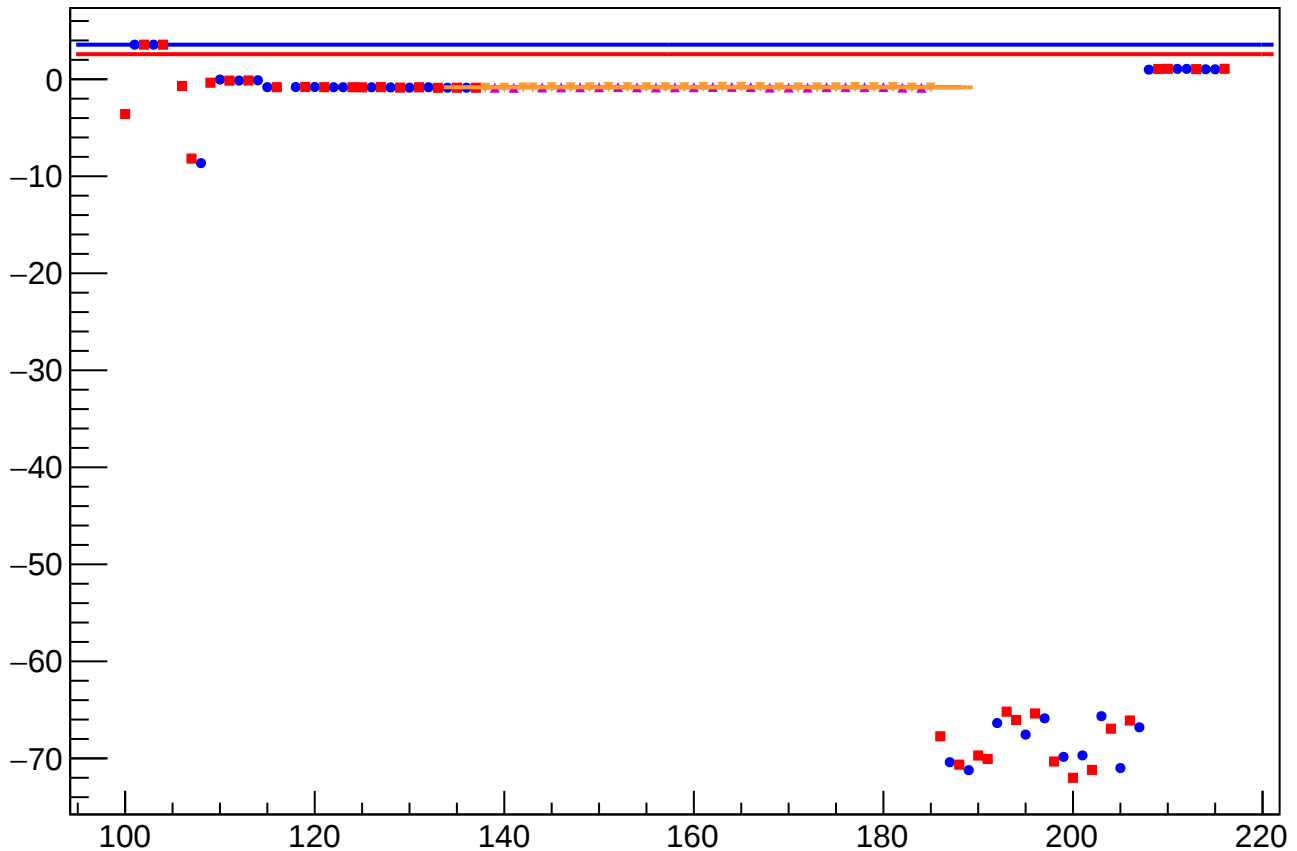
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 59615693.0/56

All: 0.000+/-0.000 χ^2/NDF : 117897561.2/114

- sign 0.000+/-0.000 χ^2/NDF : 58281118.1/57

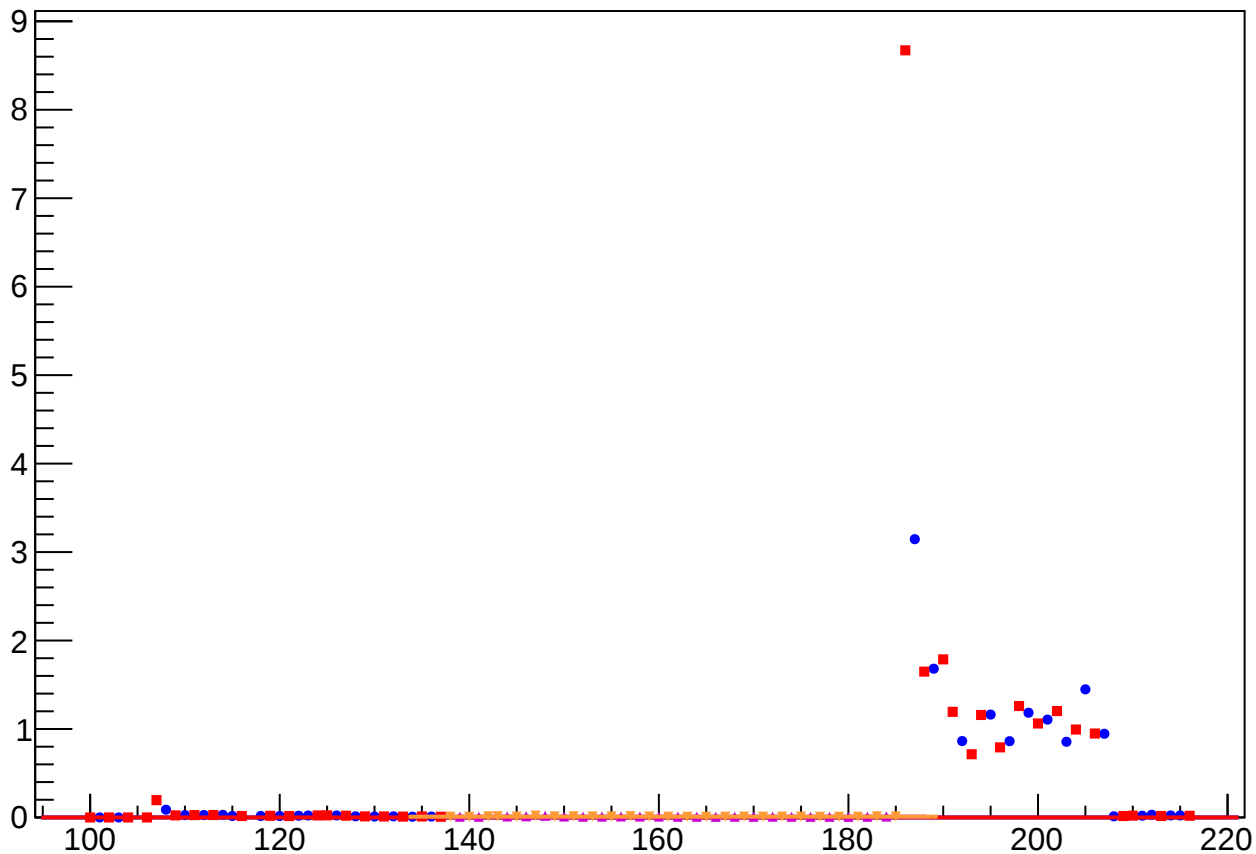
yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 558843691275.2/31
 Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24
 Right Out: 2.583+/-0.000 χ^2/NDF : 1253552558384997.8/34
 Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4240873921324.6/56
 All: 3.038+/-0.000 χ^2/NDF : 13880643726890
 - sign 2.581+/-0.000 χ^2/NDF : 1255752554495240.8

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 27099456.2/31

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 28051973.0/34

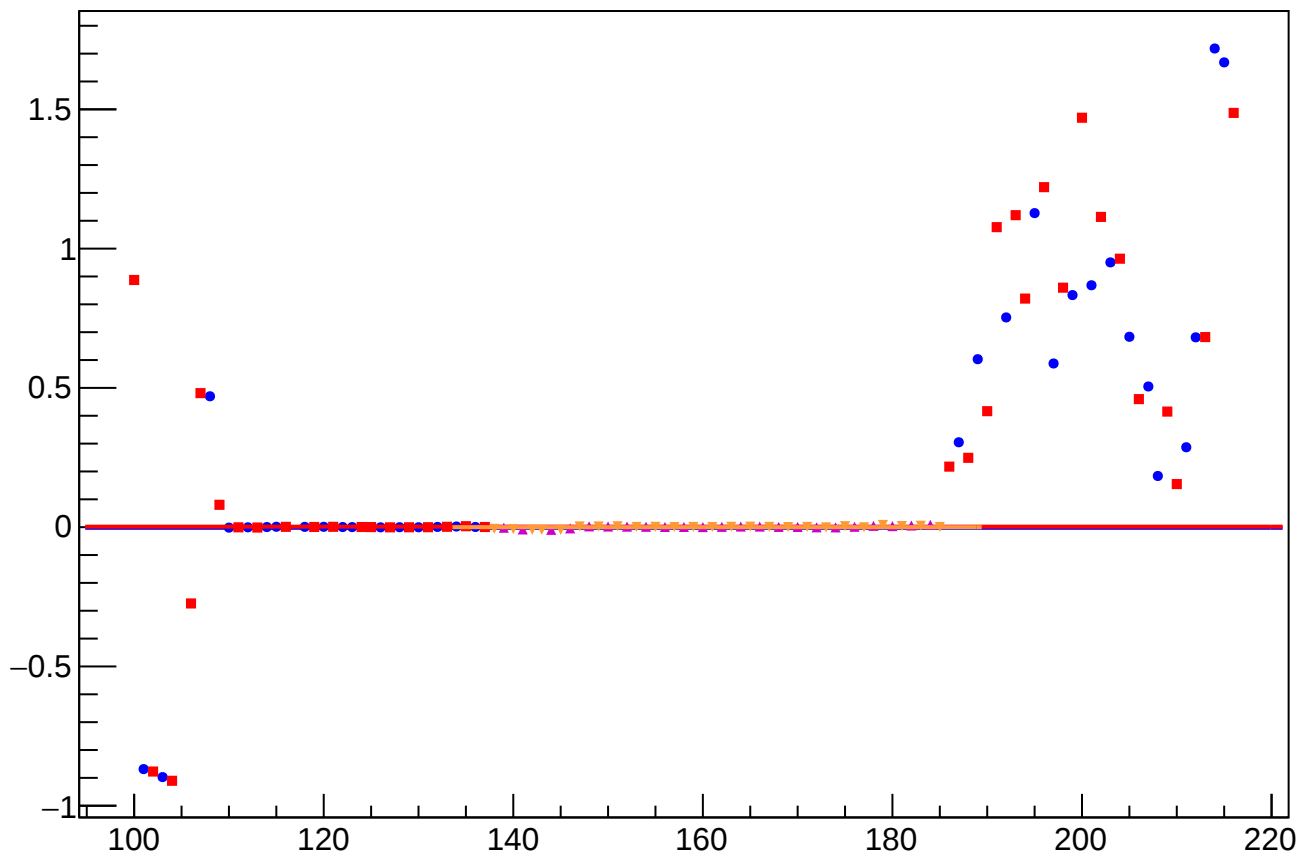
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 58504434.7/56

All: 0.000+/-0.000 χ^2/NDF : 116099836.5/114

- sign 0.000+/-0.000 χ^2/NDF : 57594206.8/57

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9797769609.7/31

Left Out: -0.000 ± 0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3043986194.7/34

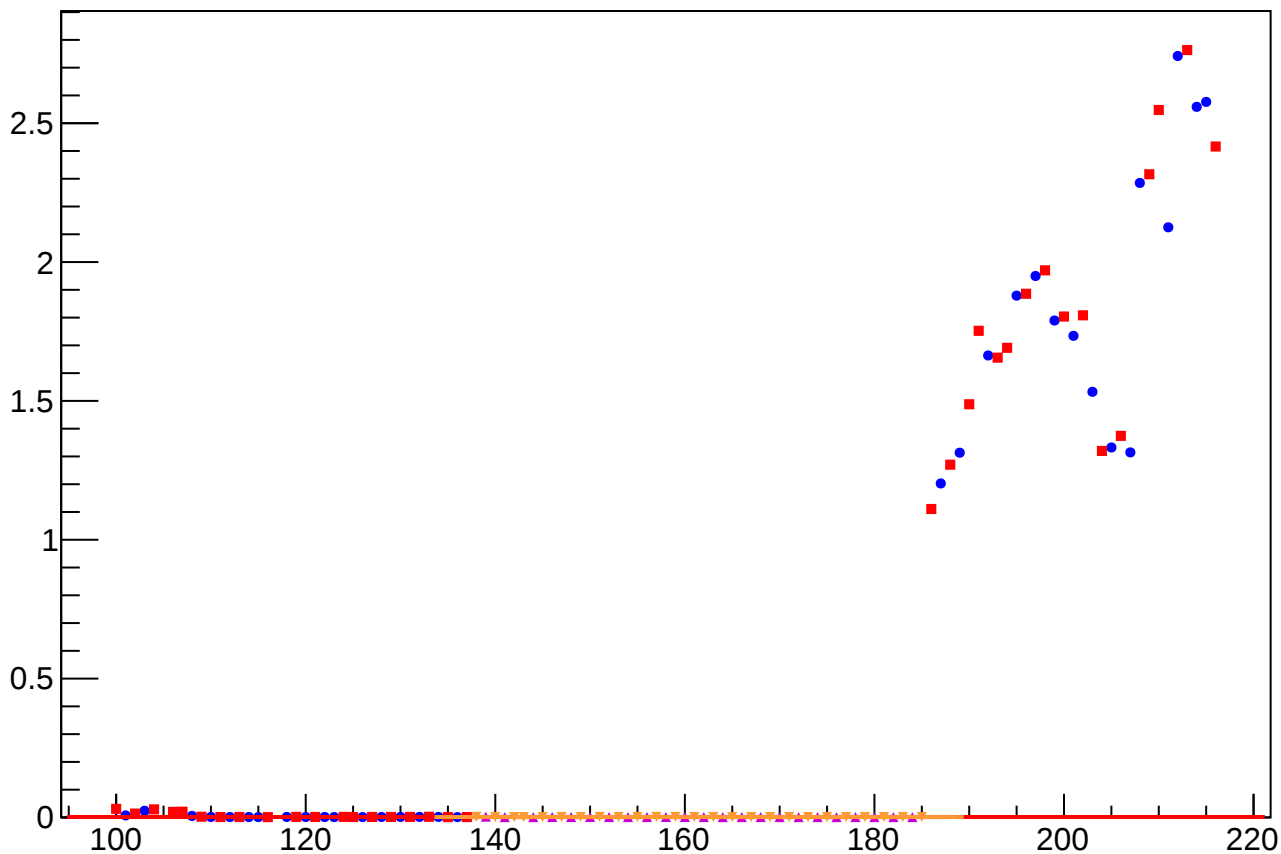
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9955782360.1/56

All: 0.000 ± 0.000 χ^2/NDF : 13110758377.1/131

- sign 0.001 ± 0.000 χ^2/NDF : 3147394895.4/57

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 22637494.9/31

Left Out: 0.001+/-0.000 χ^2/NDF :539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 23962466.7/34

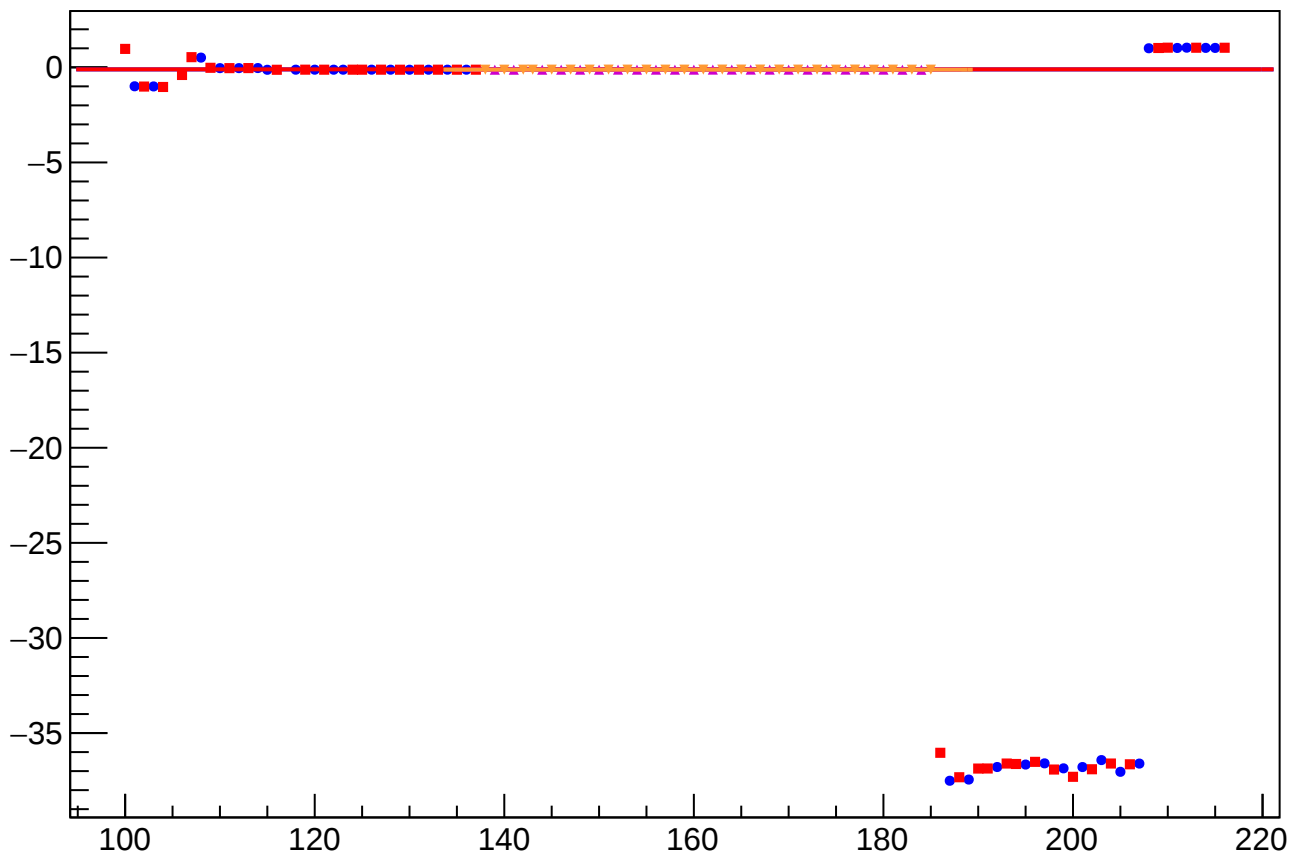
Left In: 0.001+/-0.000 χ^2/NDF :626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 23250515.3/56

All: 0.002+/-0.000 χ^2/NDF : 47959251.3/114

- sign 0.002+/-0.000 χ^2/NDF : 24699792.5/57

yield_cav4cY_mean vs Slug



Right In: -0.109 ± 0.000 $\chi^2/\text{NDF}: 92172198063.5/31$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58120109.3/24$

Right Out: -0.105 ± 0.000 $\chi^2/\text{NDF}: 92004931304.4/34$

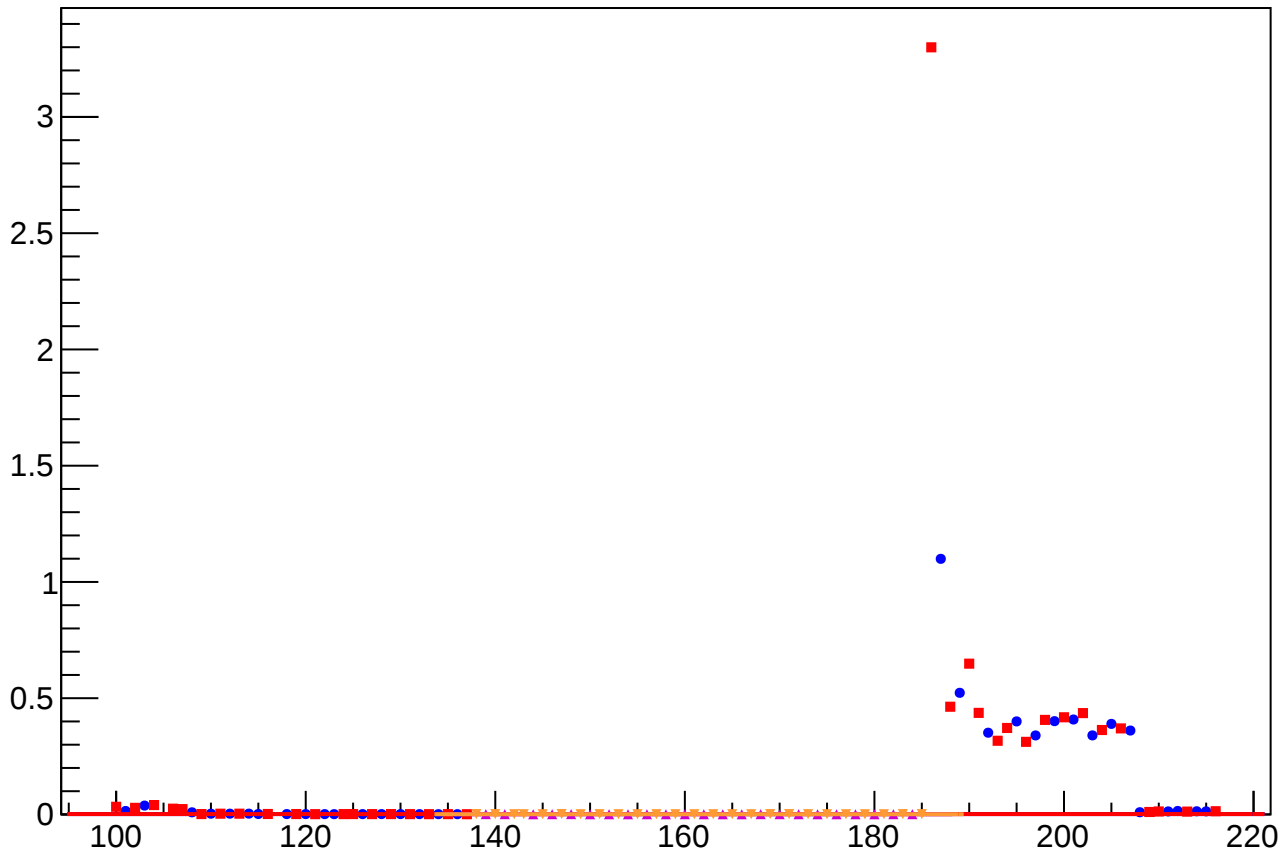
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 52113932.9/22$

+ sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 92486724728.9/56$

All: -0.120 ± 0.000 $\chi^2/\text{NDF}: 184956643715.9$

- sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 92466676322.7/57$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 21268296.5/31

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 22594834.7/34

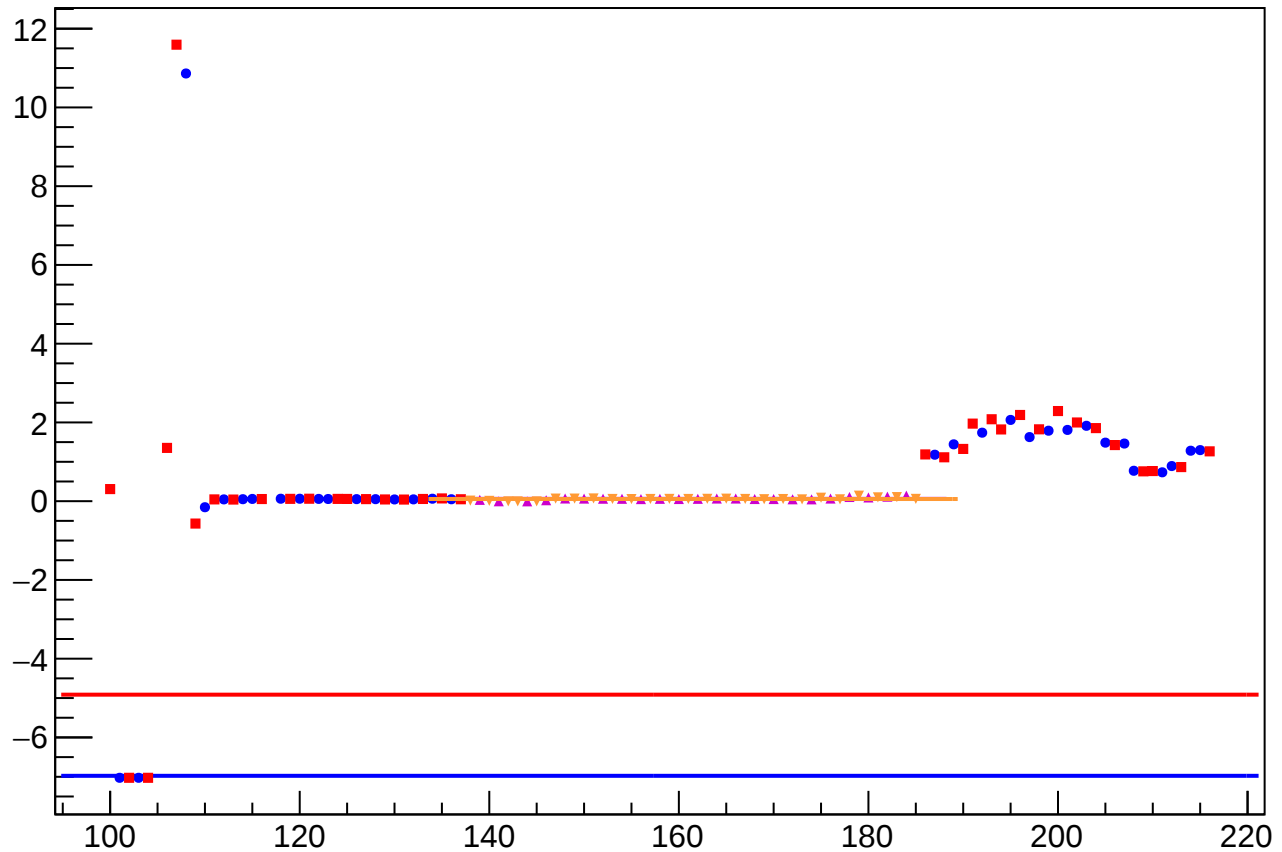
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 24397453.9/56

All: 0.001+/-0.000 χ^2/NDF : 49553146.3/114

- sign 0.001+/-0.000 χ^2/NDF : 25154263.1/57

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797972349608.9/31

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352978802966.4/34

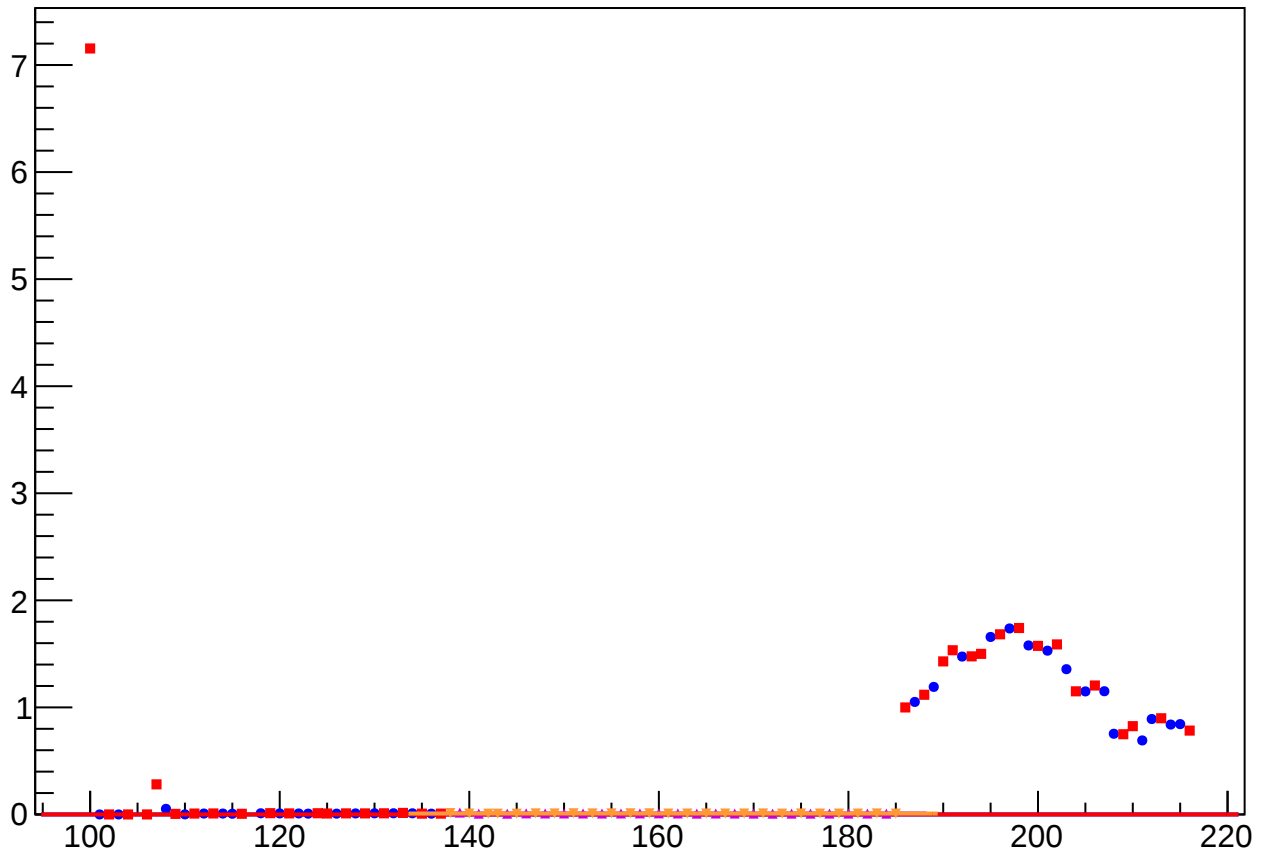
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18424279653409.8/31

All: -5.858 ± 0.000 χ^2/NDF : 4435294474182.6/31

- sign -4.882 ± 0.000 χ^2/NDF : 369731996938712.6/31

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 29091034.5/31

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29749851.2/34

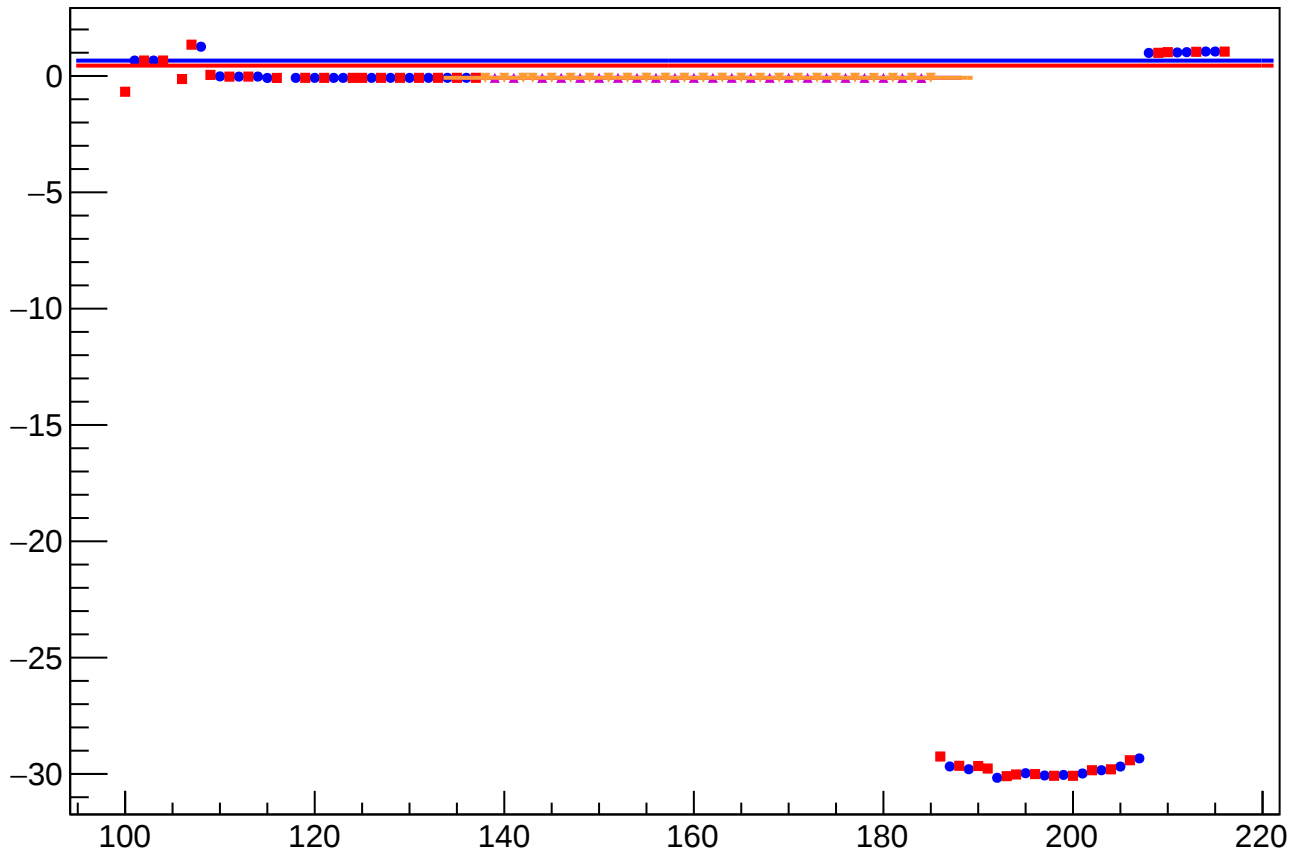
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 57991559.0/56

All: 0.000+/-0.000 χ^2/NDF : 115201237.4/114

- sign 0.000+/-0.000 χ^2/NDF : 57204826.5/57

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5721815407373.9/31

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156404795.7/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405495479807662.2/34

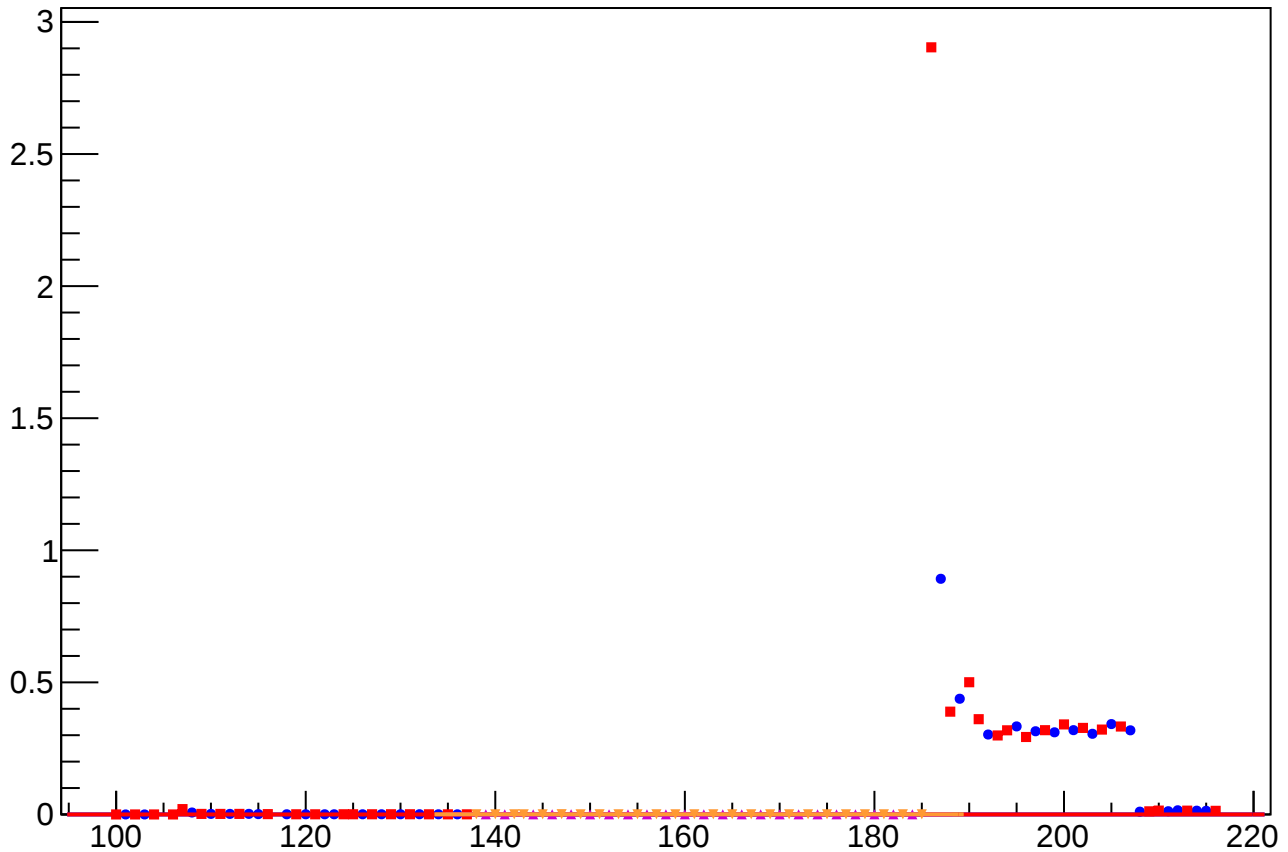
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 110762924.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35820809851047.9/5

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51597559695775

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419617664390406.9/5

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 30484525.1/31

Left Out: 0.001+/-0.000 χ^2/NDF :465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 30308976.2/34

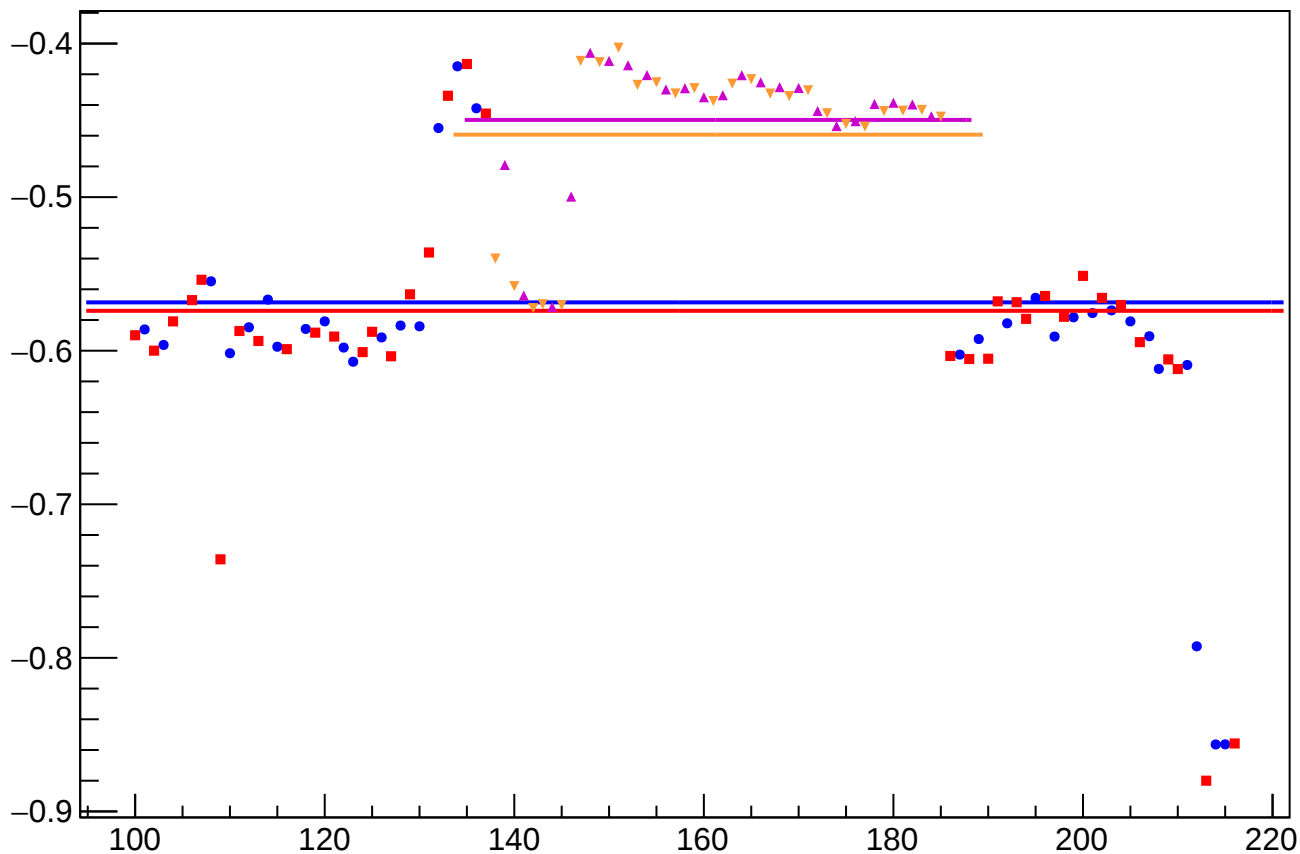
Left In: 0.001+/-0.000 χ^2/NDF :355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 63026042.3/56

All: 0.000+/-0.000 χ^2/NDF : 124127858.1/114

- sign 0.000+/-0.000 χ^2/NDF : 61093727.1/57

yield_bpm4aX_mean vs Slug



Right In: -0.569+/-0.000 χ^2/NDF : 104938219.8/31

Left Out: -0.459+/-0.000 χ^2/NDF : 113602161.0/24

Right Out: -0.574+/-0.000 χ^2/NDF : 109527548.8/34

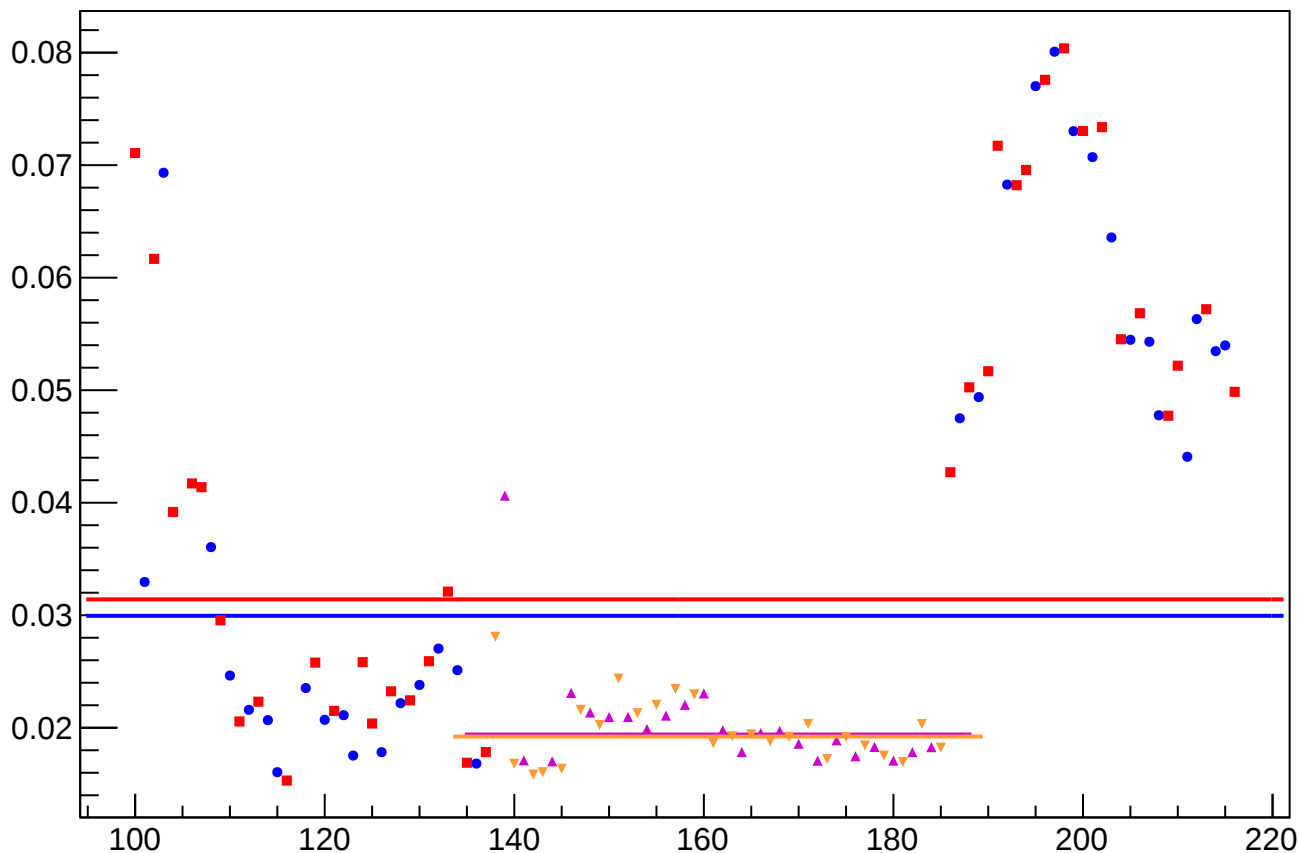
Left In: -0.450+/-0.000 χ^2/NDF : 76117957.8/22

+ sign -0.487+/-0.000 χ^2/NDF : 339695913.2/56

All: -0.484+/-0.000 χ^2/NDF : 673714639.3/11

- sign -0.482+/-0.000 χ^2/NDF : 333325469.4/57

yield_bpm4aX_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 7521271.8/31

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 501711.6/24

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 7354931.8/34

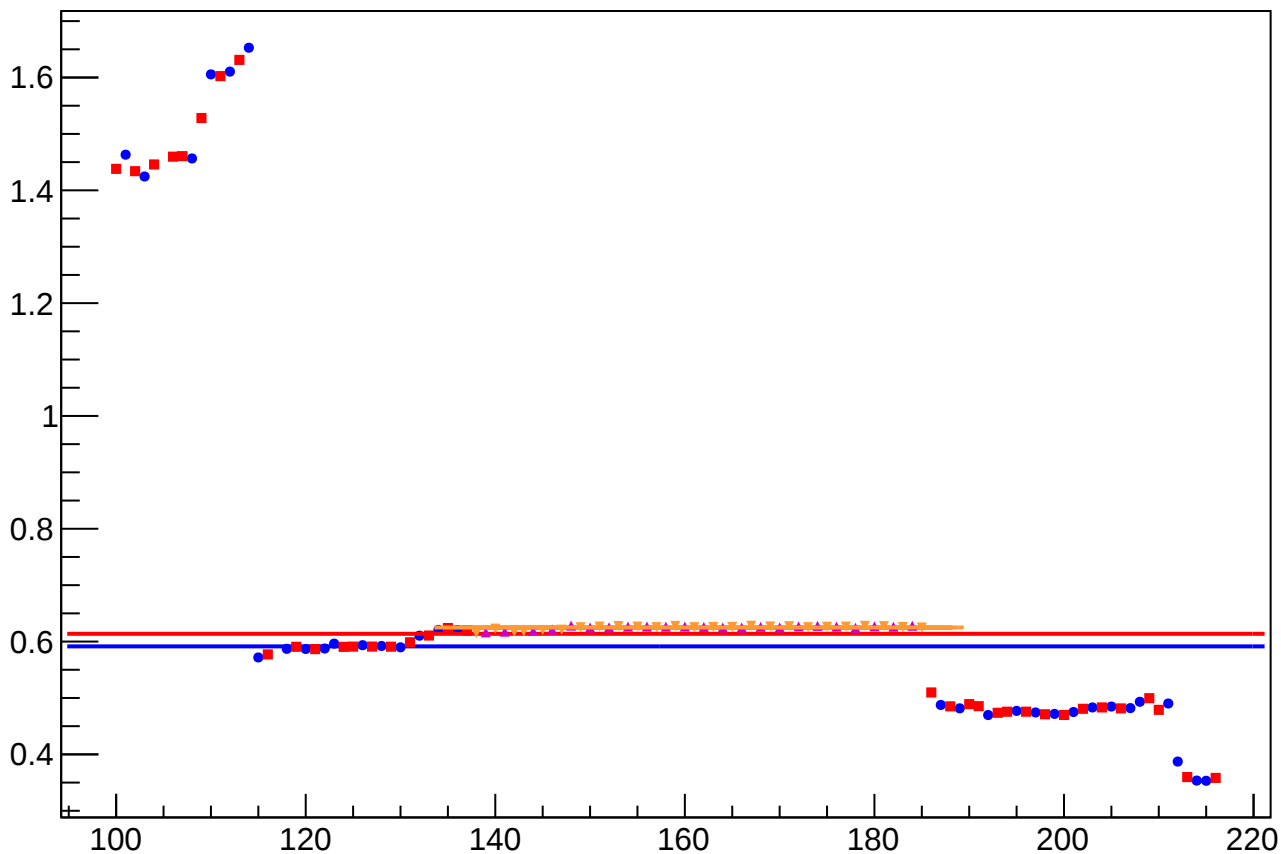
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 626443.5/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10361929.2/56

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 21119549.0/114

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10741501.7/57

yield_bpm4aY_mean vs Slug



Right In: 0.591+/-0.000 χ^2/NDF : 5489624932.0/31

Left Out: 0.625+/-0.000 χ^2/NDF :1445169.1/24

Right Out: 0.614+/-0.000 χ^2/NDF : 6465461038.8/34

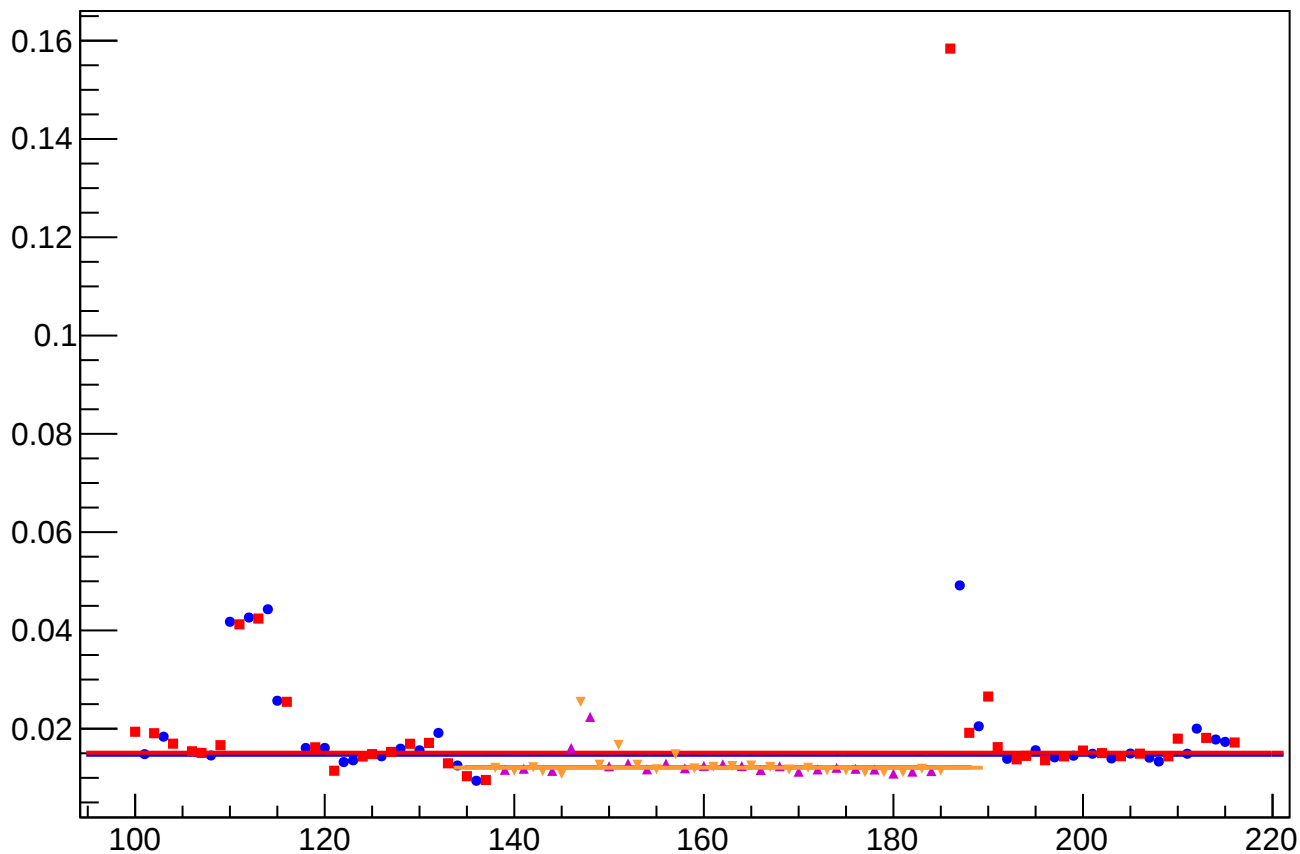
Left In: 0.625+/-0.000 χ^2/NDF :1143954.1/22

+ sign 0.612+/-0.000 χ^2/NDF : 5541830098.0/56

All: 0.616+/-0.000 χ^2/NDF : 12020104904.3/100

- sign 0.621+/-0.000 χ^2/NDF : 6471877128.2/57

yield_bpm4aY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1842741.3/31

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2181773.8/34

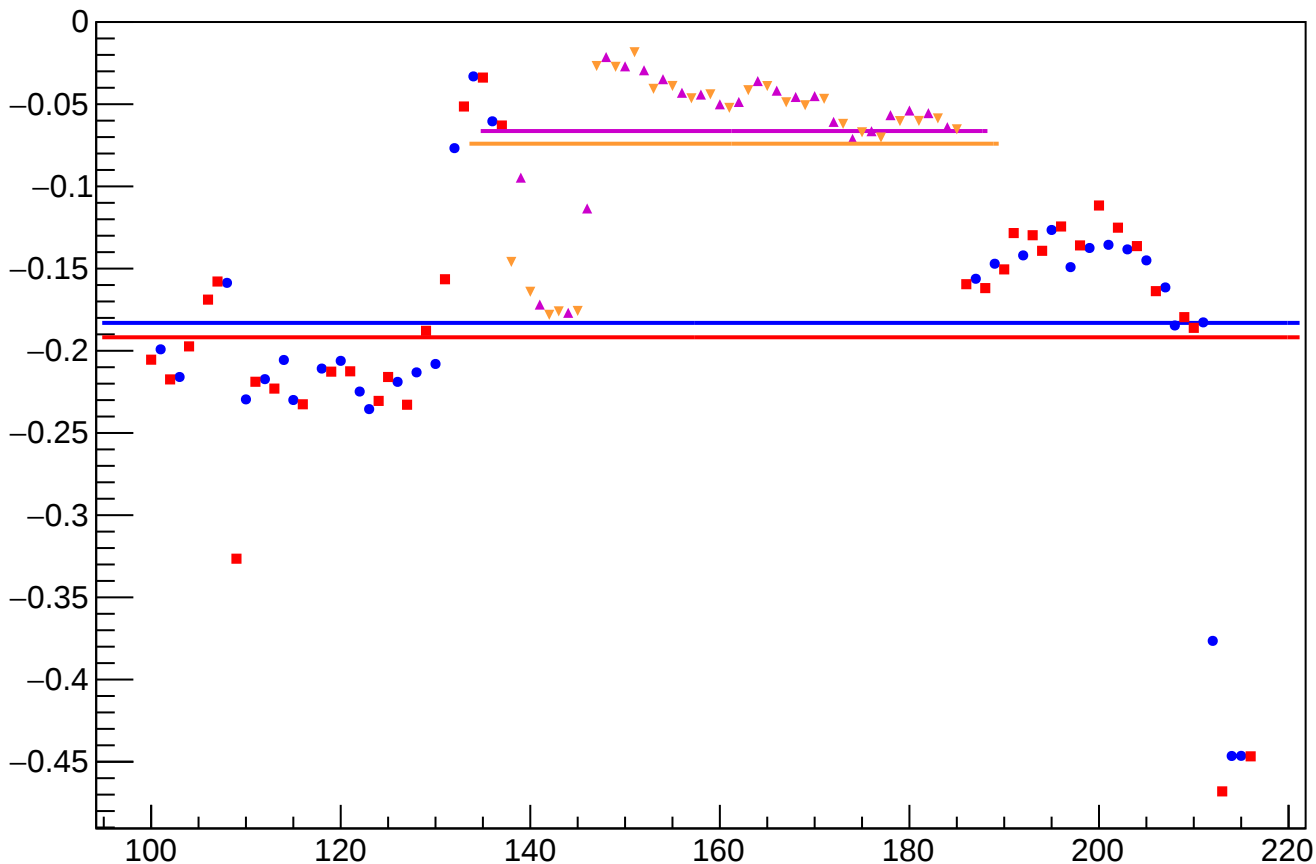
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3126122.2/56

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6573683.1/114

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3438718.7/57

yield_bpm4eX_mean vs Slug



Right In: -0.183 ± 0.000 χ^2/NDF : 119736484.1/31

Left Out: -0.074 ± 0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.192 ± 0.000 χ^2/NDF : 126260568.8/34

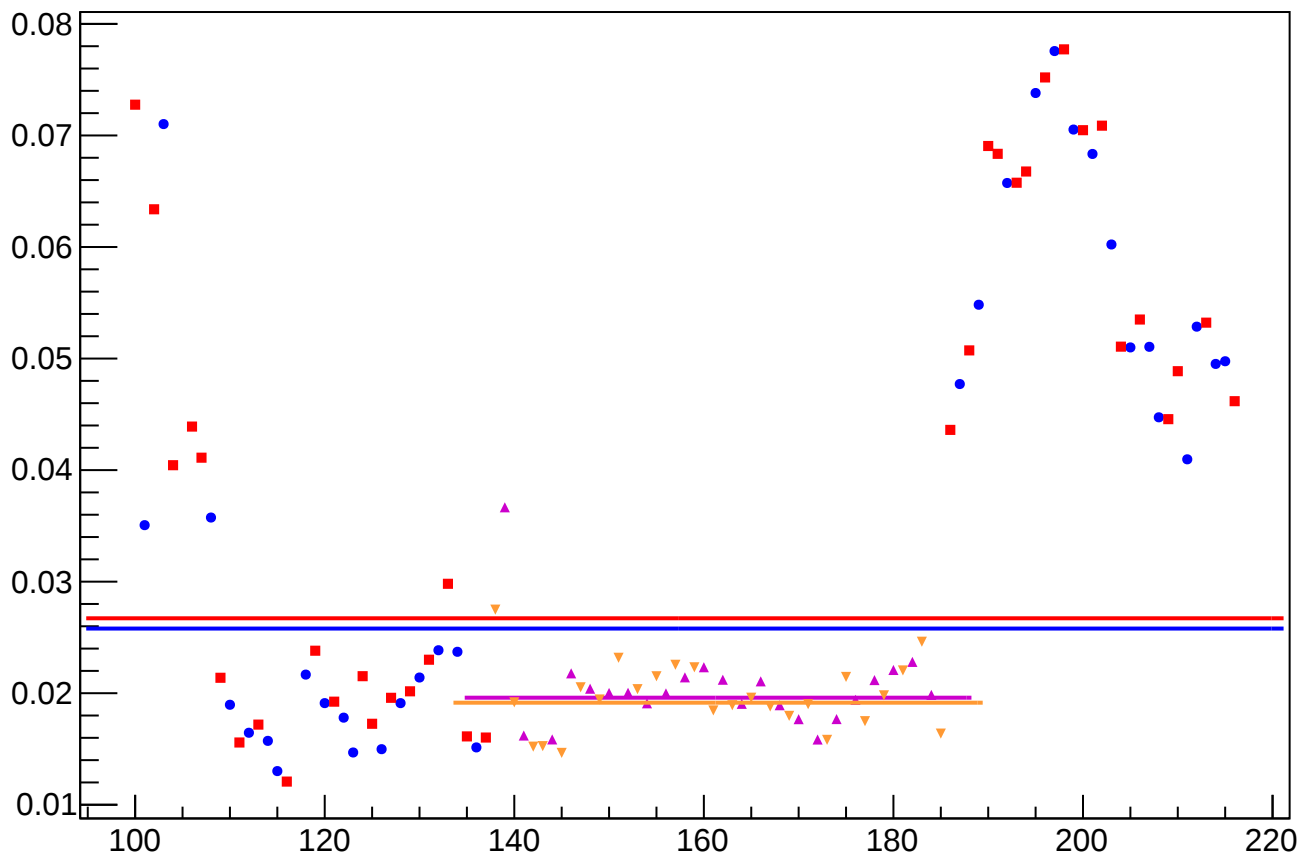
Left In: -0.066 ± 0.000 χ^2/NDF : 76243051.8/22

+ sign -0.106 ± 0.000 χ^2/NDF : 372646281.8/56

All: -0.106 ± 0.000 χ^2/NDF : 756311240.5/11

- sign -0.105 ± 0.000 χ^2/NDF : 383623320.3/57

yield_bpm4eX_rms vs Slug



Right In: 0.026+/-0.000 χ^2/NDF : 8800718.7/31

Left Out: 0.019+/-0.000 χ^2/NDF : 641277.0/24

Right Out: 0.027+/-0.000 χ^2/NDF : 8991106.1/34

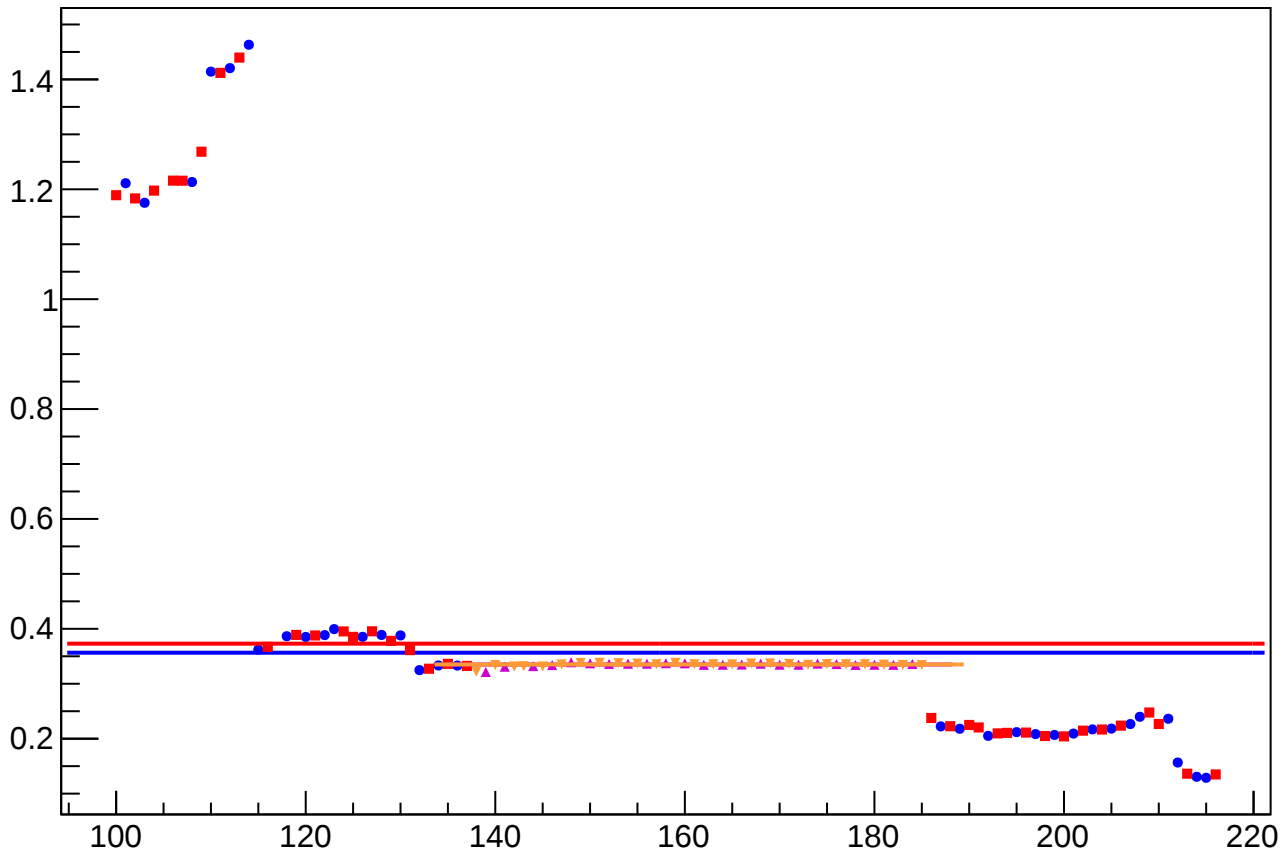
Left In: 0.020+/-0.000 χ^2/NDF : 623148.2/22

+ sign 0.021+/-0.000 χ^2/NDF : 10521557.3/56

All: 0.021+/-0.000 χ^2/NDF : 21327462.6/114

- sign 0.022+/-0.000 χ^2/NDF : 10780121.5/57

yield_bpm4eY_mean vs Slug



Right In: 0.356 $\pm$ 0.000 χ^2 /NDF: 7928563019.6/31

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1154310.3/24

Right Out: 0.373 $\pm$ 0.000 χ^2 /NDF: 8954720380.8/34

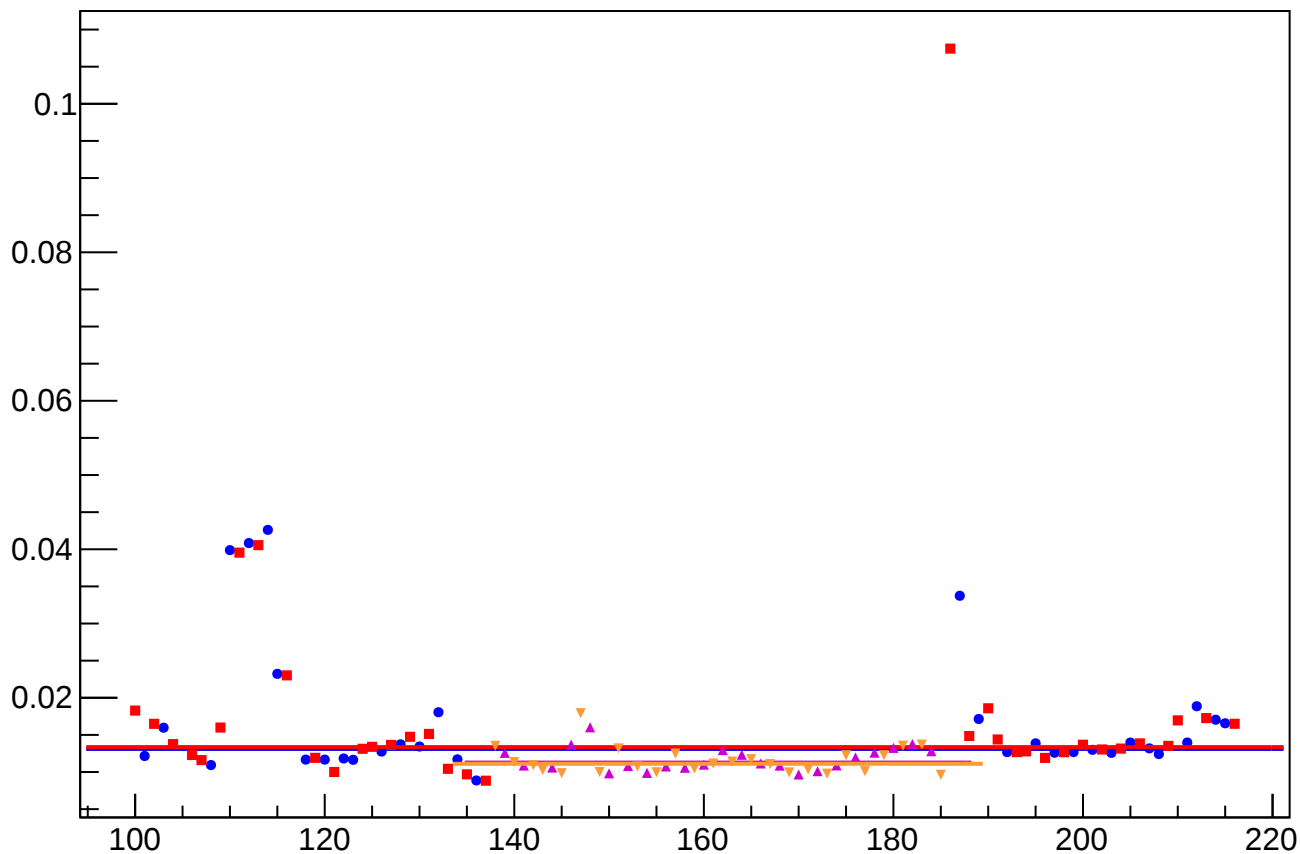
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

+ sign 0.343 $\pm$ 0.000 χ^2 /NDF: 7955112746.9/56

All: 0.347 $\pm$ 0.000 χ^2 /NDF: 16992526481.8/100

- sign 0.350 $\pm$ 0.000 χ^2 /NDF: 9031944087.1/57

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1827159.0/31

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:607532.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2141541.3/34

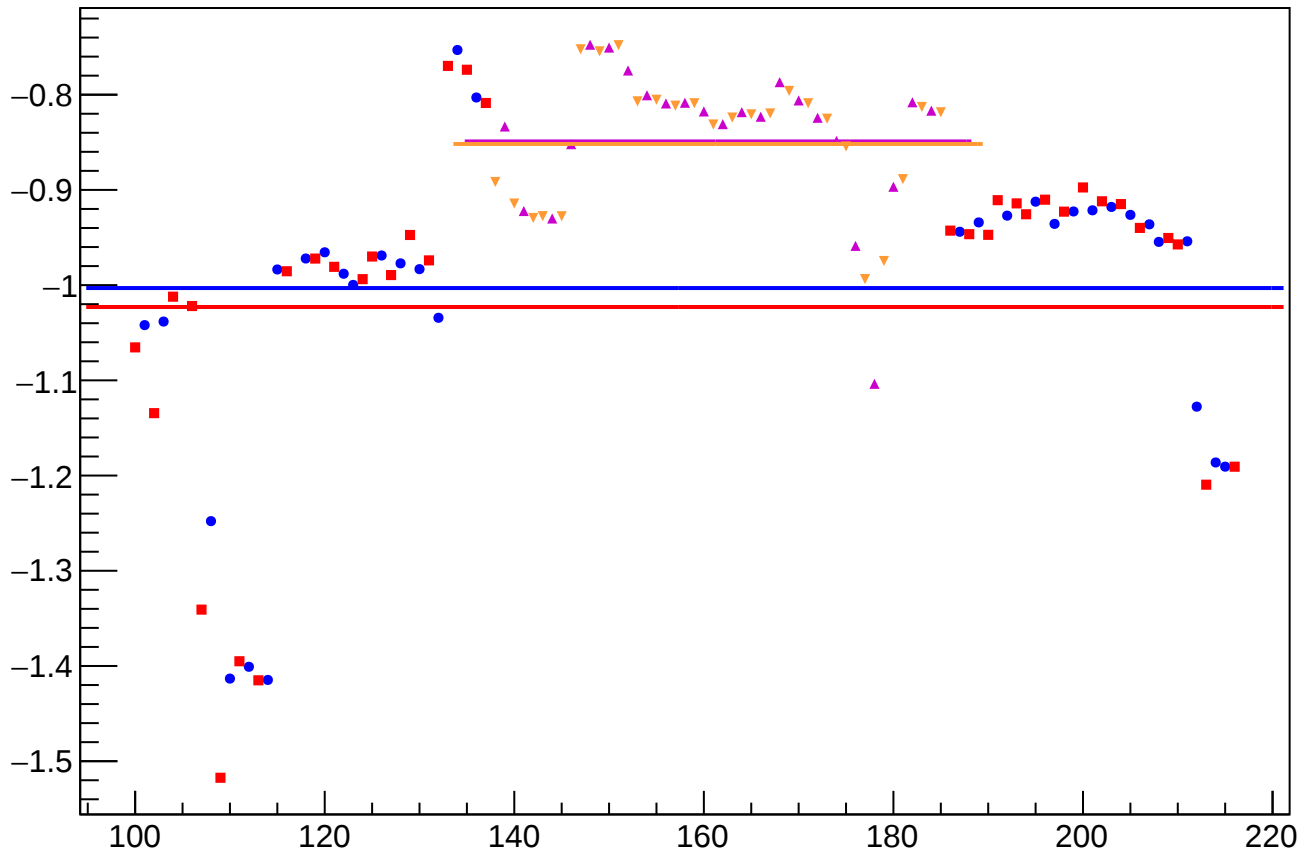
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502455.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2878108.2/56

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5990668.3/114

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3101356.8/57

yield_bpm4acX_mean vs Slug



Right In: -1.003 ± 0.000 χ^2/NDF : 427056306.3/31

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.023 ± 0.000 χ^2/NDF : 576316587.0/34

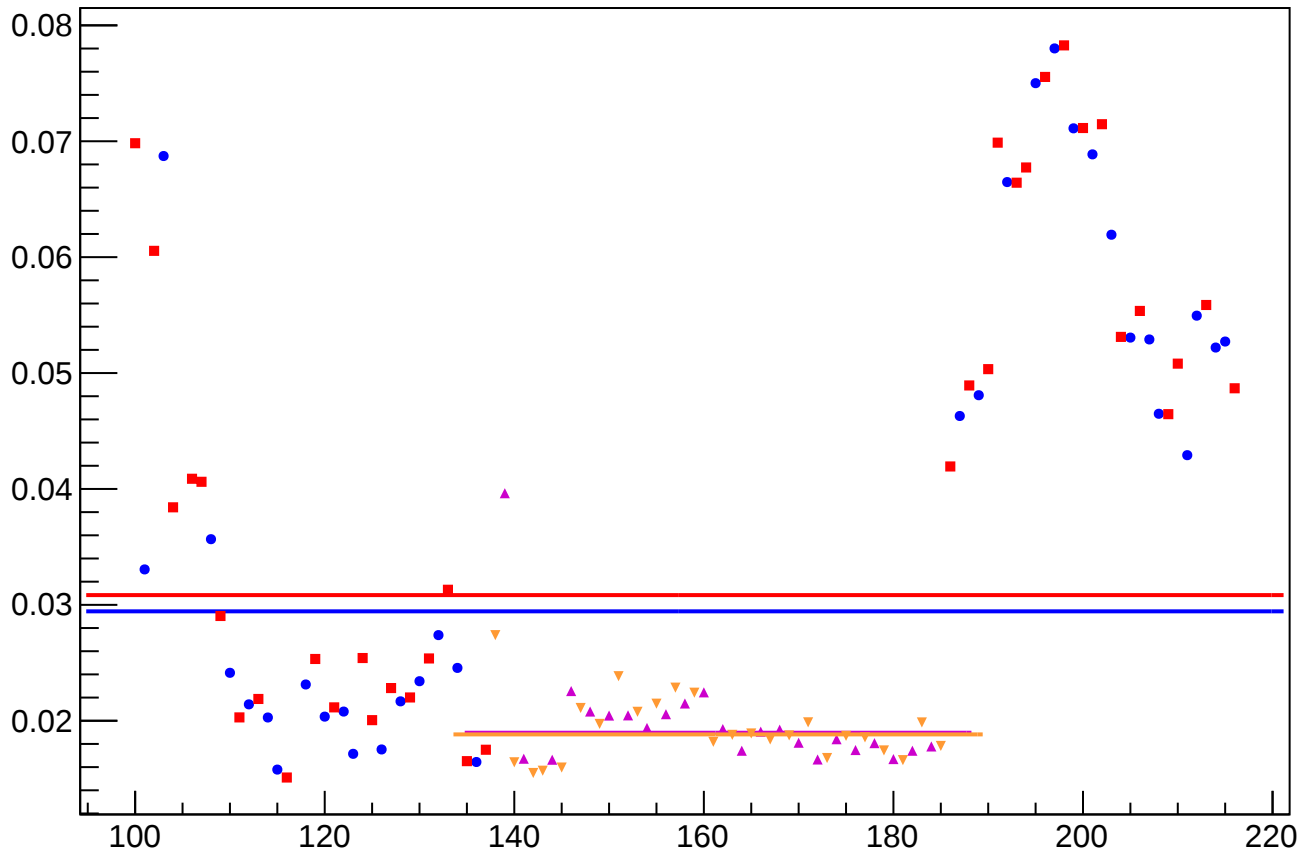
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.890 ± 0.000 χ^2/NDF : 857773265.3/56

All: -0.892 ± 0.000 χ^2/NDF : 1991783861.4/1

- sign -0.894 ± 0.000 χ^2/NDF : 1133622674.6/57

yield_bpm4acX_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 7456906.8/31

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490509.4/24

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 7273378.2/34

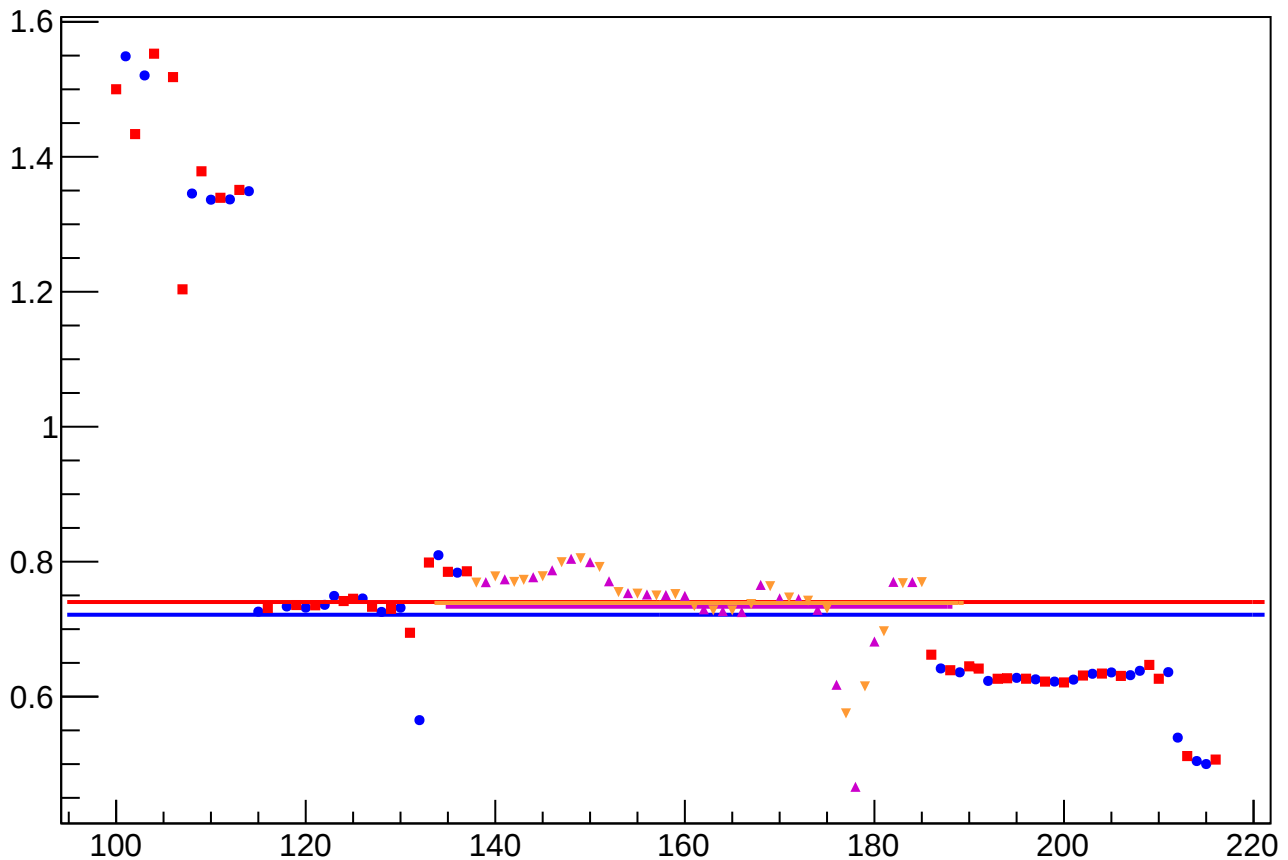
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:615173.8/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10326757.9/56

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 21036138.8/114

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10695205.6/57

yield_bpm4acY_mean vs Slug



Right In: 0.721+/-0.000 χ^2/NDF : 3822617241.3/31

Left Out: 0.739+/-0.000 χ^2/NDF :333013236.5/24

+ sign 0.732+/-0.000 χ^2/NDF : 4169381469.2/56

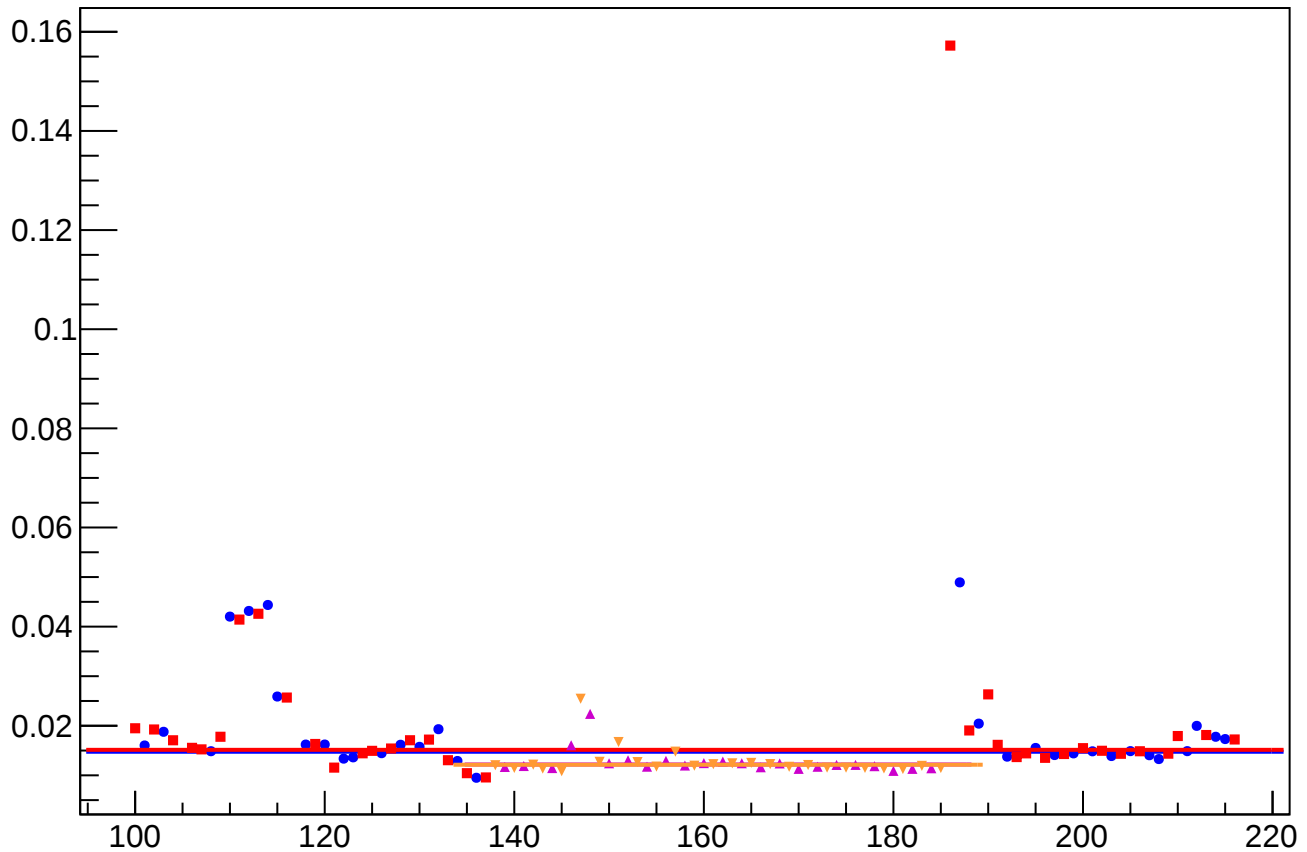
Right Out: 0.740+/-0.000 χ^2/NDF : 4089468161.3/34

All: 0.734+/-0.000 χ^2/NDF : 8831783911.6/11

- sign 0.736+/-0.000 χ^2/NDF : 4661177667.9/57

Left In: 0.733+/-0.000 χ^2/NDF :569611347.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1836951.7/31

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2183882.7/34

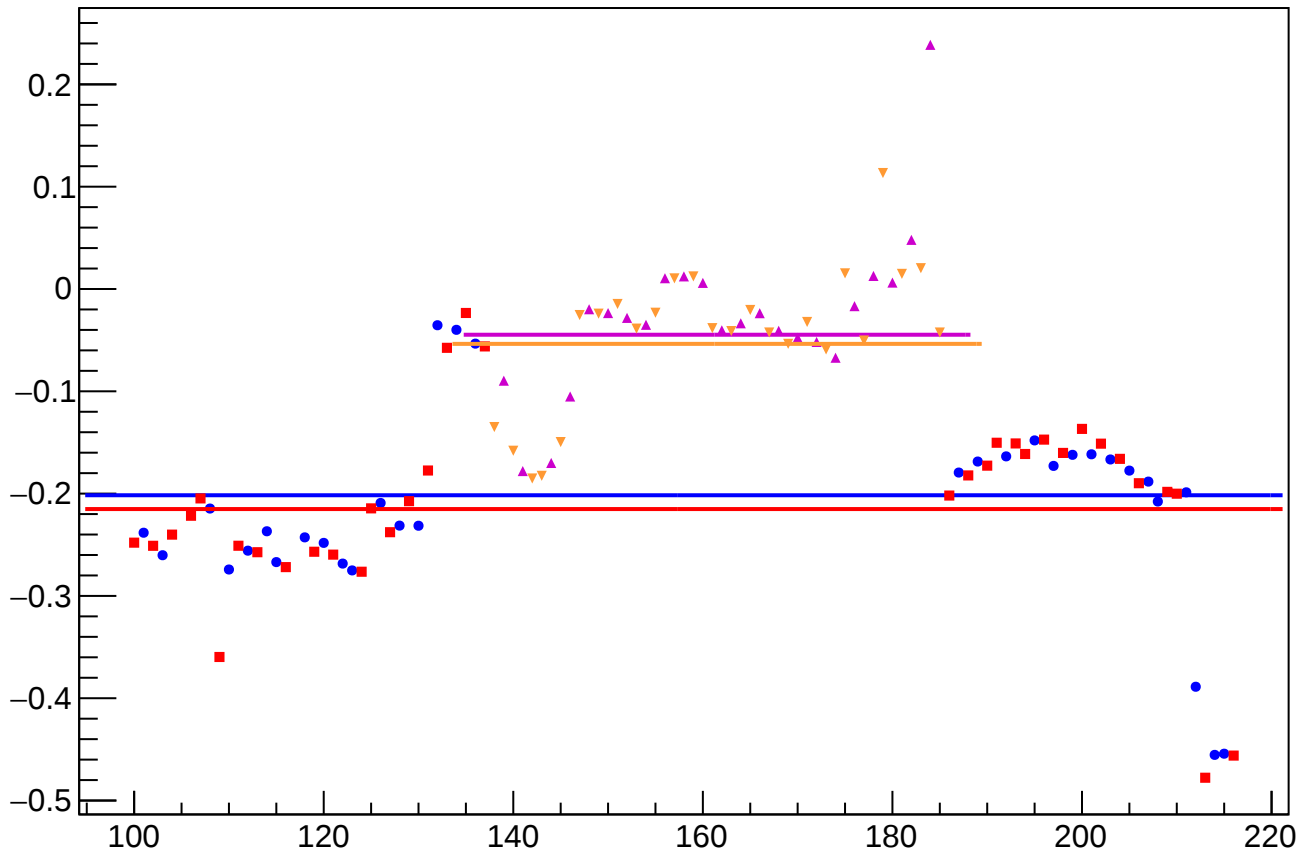
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3090963.1/56

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6511983.5/114

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3413877.3/57

yield_bpm4ecX_mean vs Slug



Right In: -0.202 ± 0.000 $\chi^2/\text{NDF}: 153527491.4/31$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167834173.6/24$

Right Out: -0.215 ± 0.000 $\chi^2/\text{NDF}: 149587368.3/34$

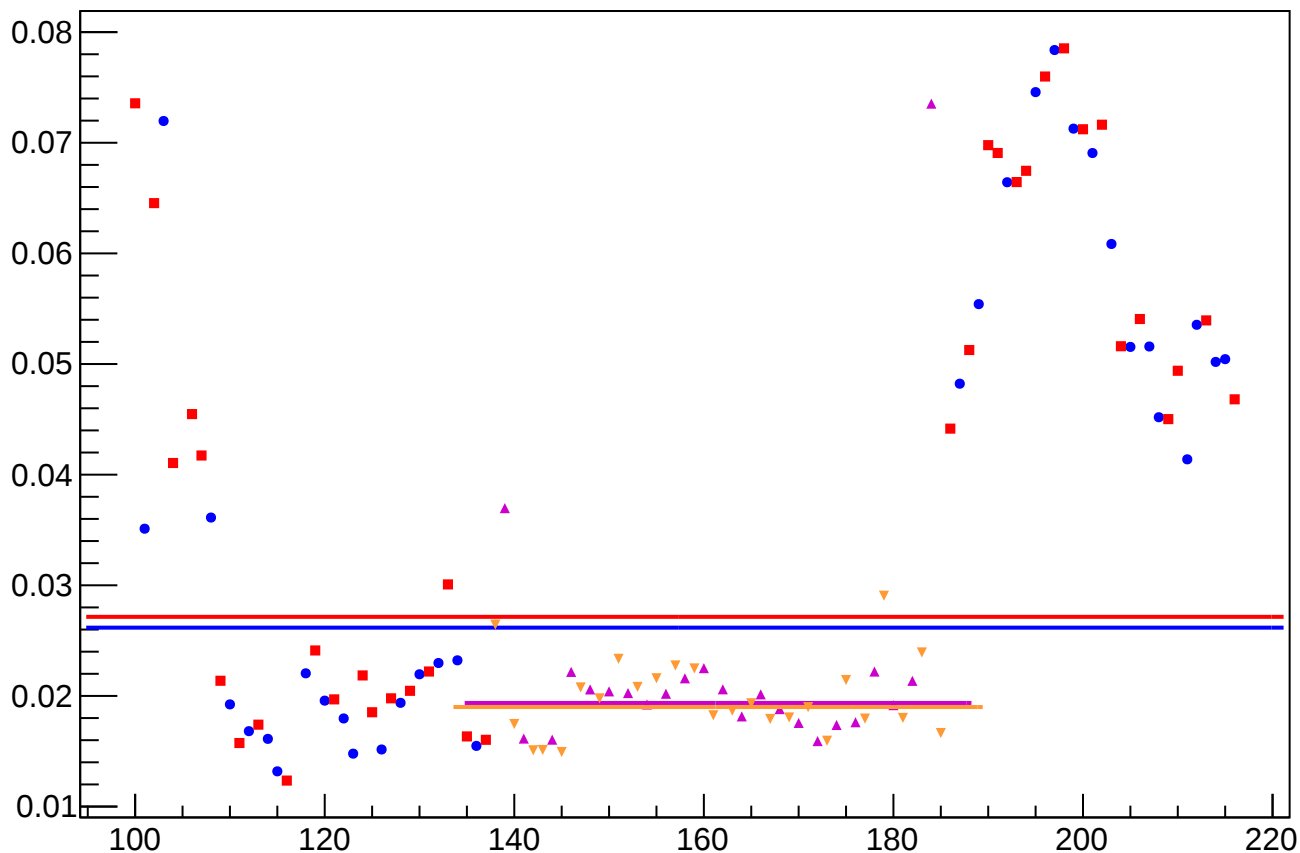
Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127192425.2/22$

+ sign -0.097 ± 0.000 $\chi^2/\text{NDF}: 582696229.7/56$

All: -0.097 ± 0.000 $\chi^2/\text{NDF}: 1185926149.3/1$

- sign -0.097 ± 0.000 $\chi^2/\text{NDF}: 603216531.4/57$

yield_bpm4ecX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 8737179.2/31

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 8932731.7/34

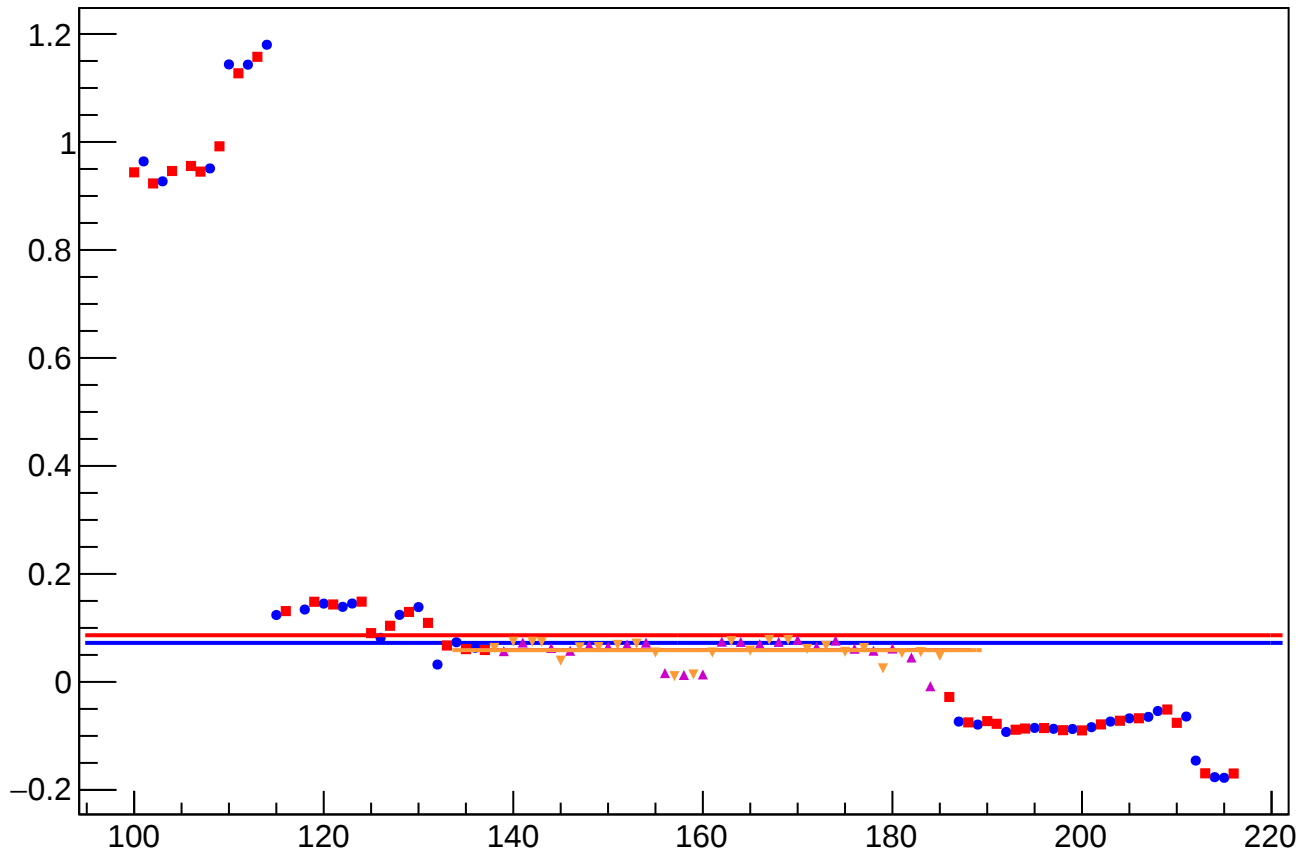
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 10666895.0/56

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 21841773.1/114

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11153533.9/57

yield_bpm4ecY_mean vs Slug



Right In: 0.072 $\pm$ 0.000 χ^2 /NDF: 8645146701.0/31

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46821236.8/24

+ sign 0.064 $\pm$ 0.000 χ^2 /NDF: 8702203915.7/56

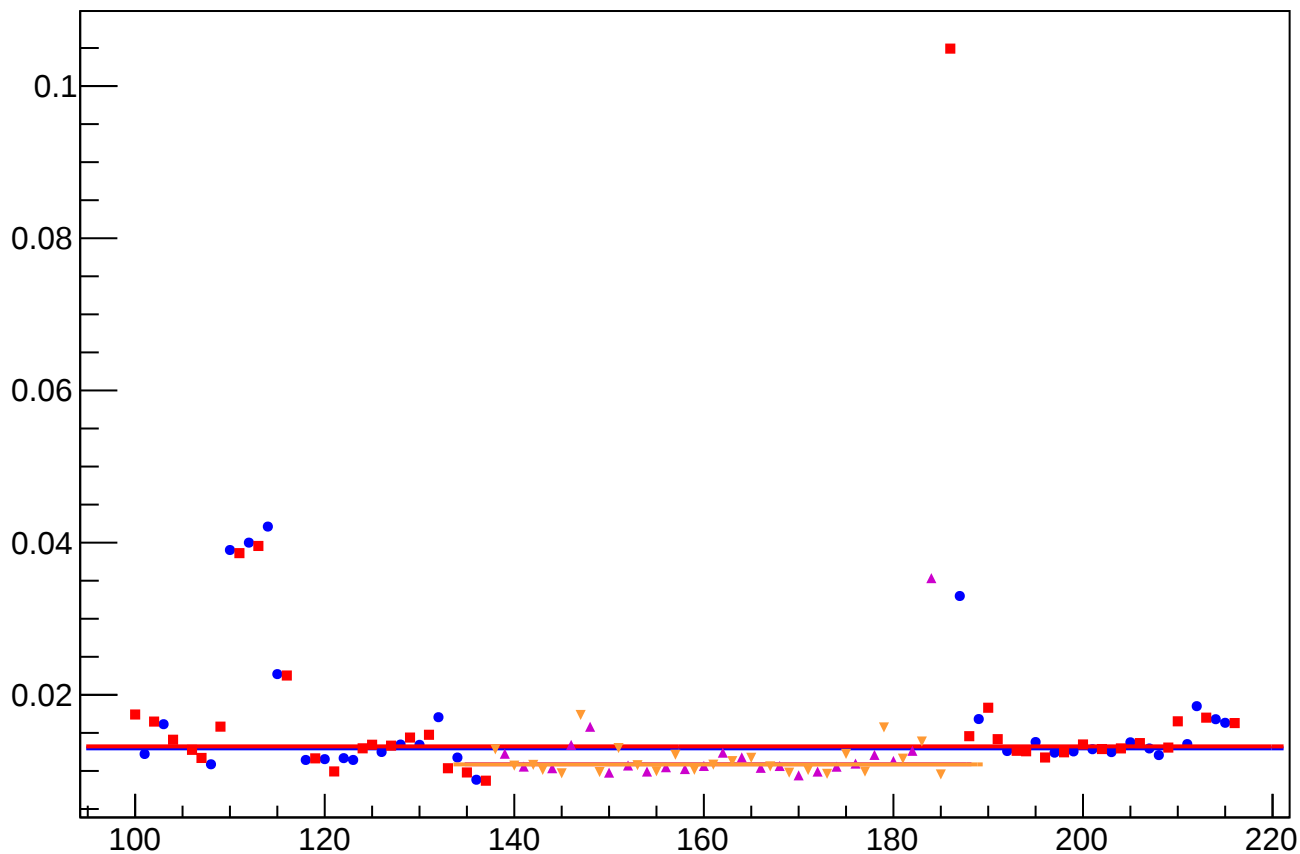
Right Out: 0.086 $\pm$ 0.000 χ^2 /NDF: 9507290125.3/34

All: 0.067 $\pm$ 0.000 χ^2 /NDF: 18312748999.6/100

Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

- sign 0.070 $\pm$ 0.000 χ^2 /NDF: 9606510334.7/57

yield_bpm4ecY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 1779661.1/31

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 2081982.1/34

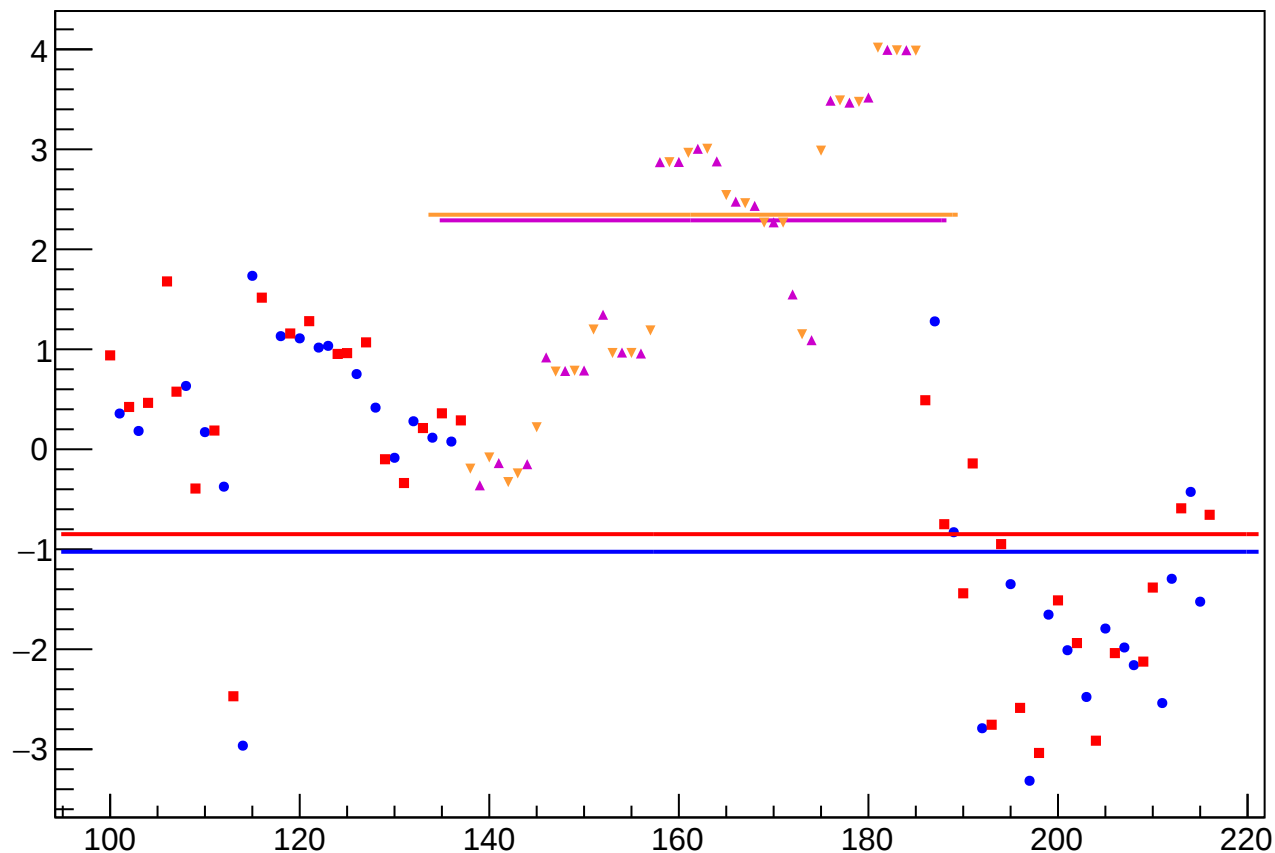
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 530077.5/22

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 2888448.3/56

All: 0.012 $\pm$ 0.000 χ^2/NDF : 6099030.8/114

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 3206263.1/57

yield_bpm1X_mean vs Slug



Right In: -1.025 ± 0.000 χ^2/NDF : 7816031203.1/31

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.849 ± 0.000 χ^2/NDF : 8191767096.4/34

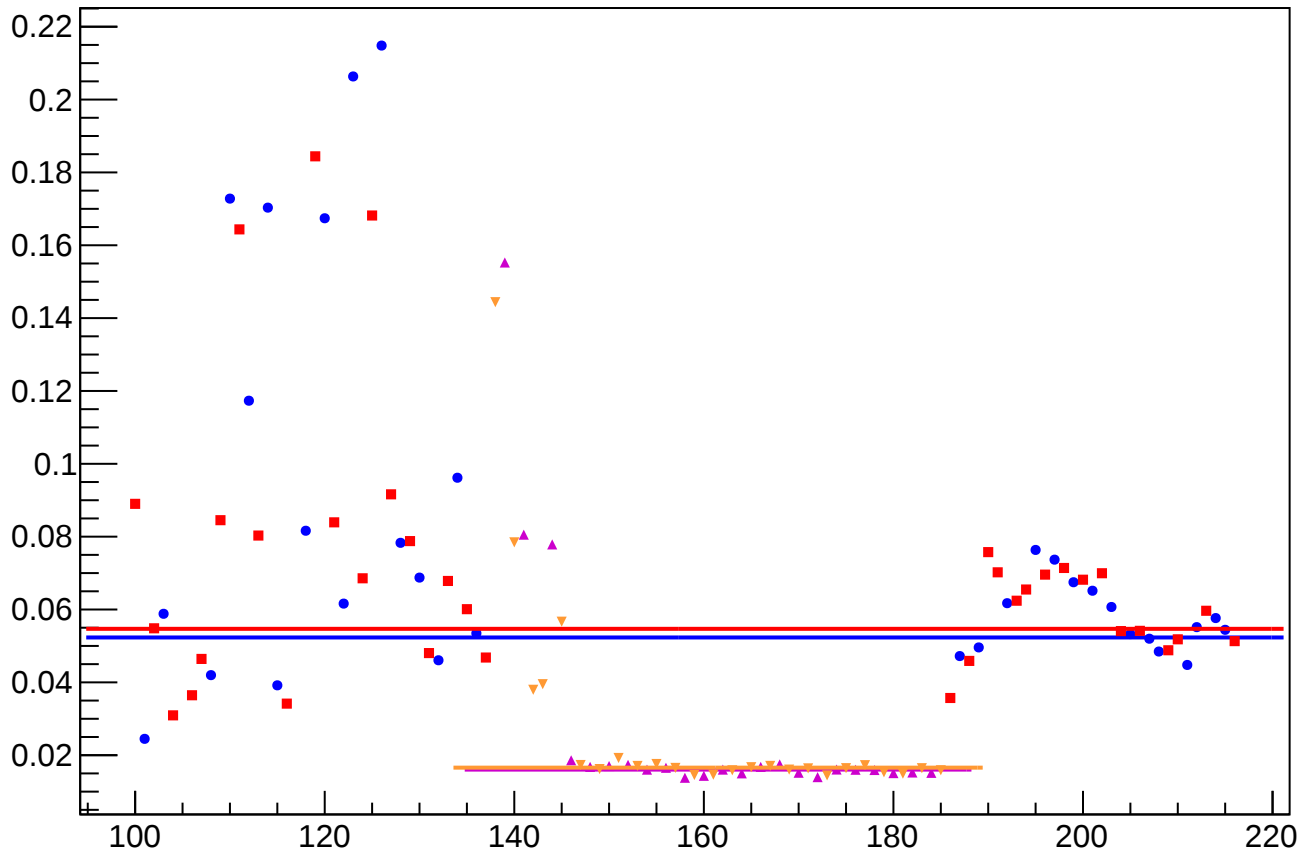
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.052 ± 0.000 χ^2/NDF : 121719577586.5/56

All: 2.041 ± 0.000 χ^2/NDF : 233108192854.7

- sign 2.029 ± 0.000 χ^2/NDF : 111373961818.3/57

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3566973.2/31

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2878935.4/34

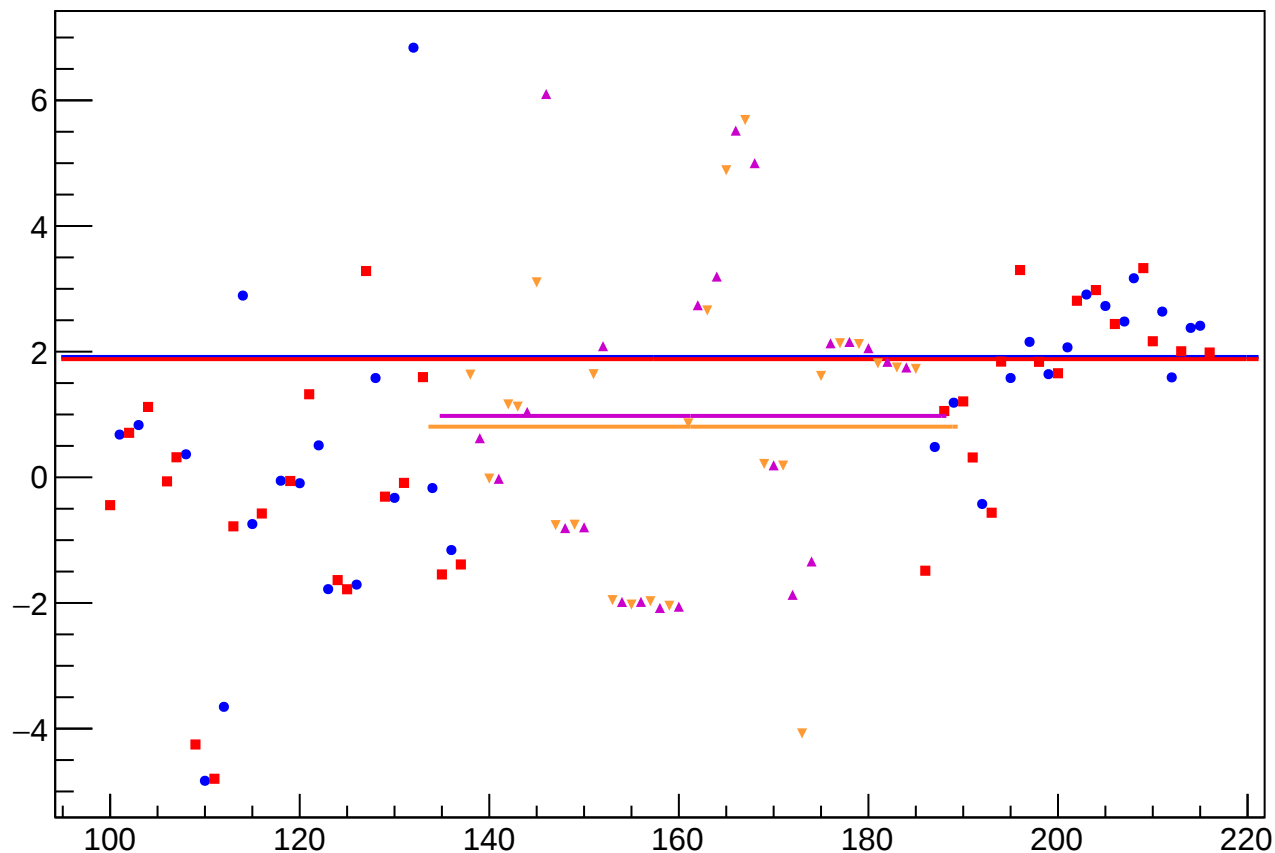
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 17521636.3/56

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 35638709.2/114

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 18105773.8/57

yield_bpm1Y_mean vs Slug



Right In: 1.916 $\pm$ 0.000 χ^2 /NDF: 39479113551.2/31

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 507578952196.2/24

Right Out: 1.881 $\pm$ 0.000 χ^2 /NDF: 39626849885.5/34

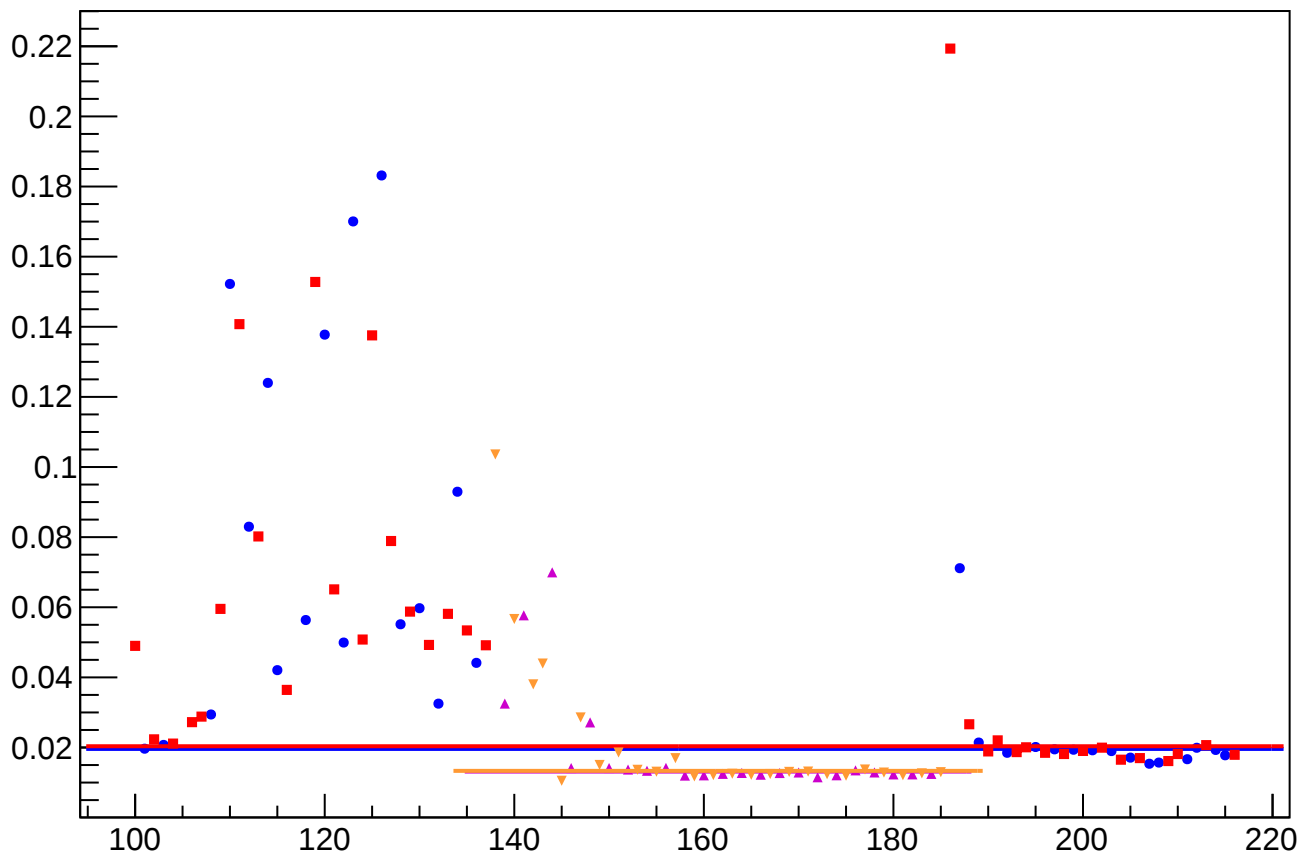
Left In: 0.977 $\pm$ 0.000 χ^2 /NDF: 568209676597.4/22

+ sign 1.106 $\pm$ 0.000 χ^2 /NDF: 575261703591.5/56

All: 1.158 $\pm$ 0.000 χ^2 /NDF: 1201636835930.

- sign 1.210 $\pm$ 0.000 χ^2 /NDF: 625741501520.5/57

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 4209706.3/31

Left Out: 0.013+/-0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5189930.7/34

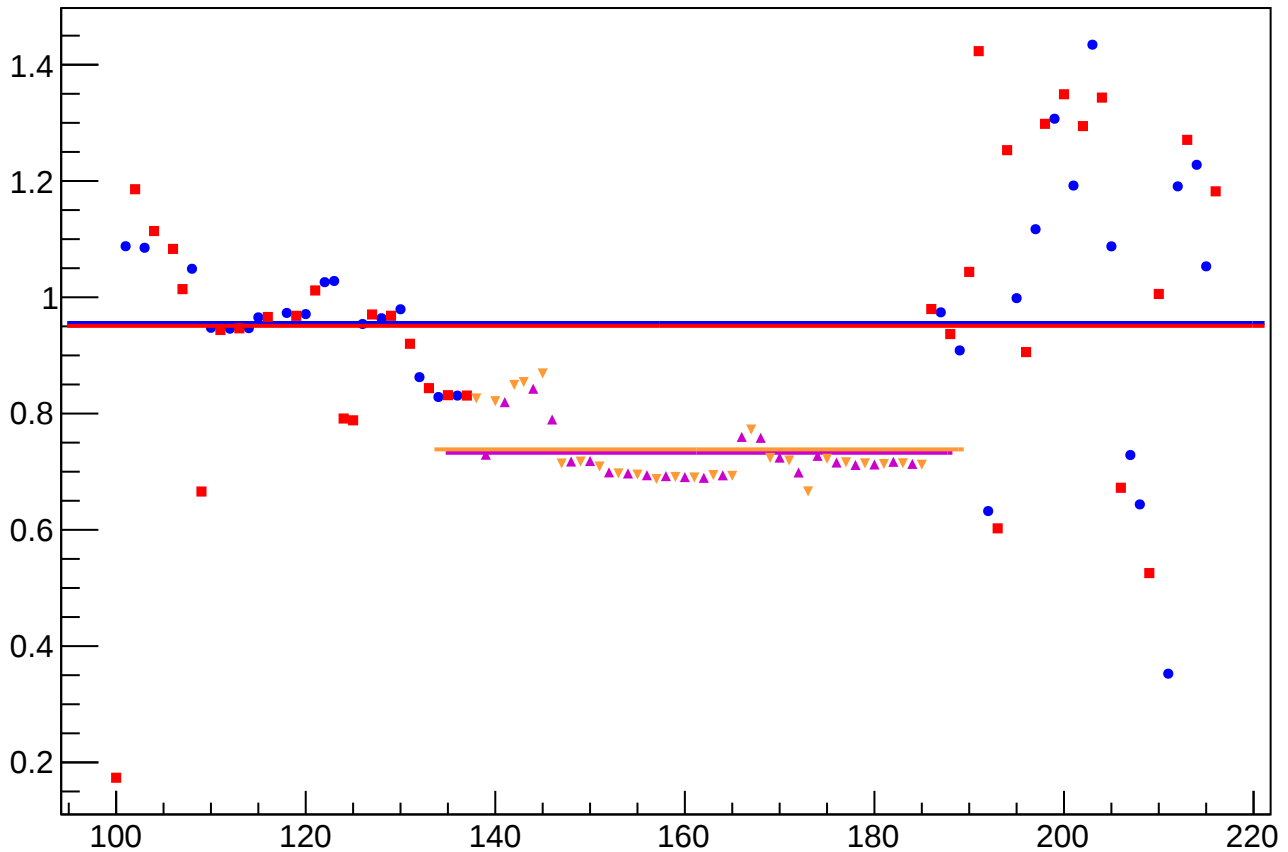
Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

+ sign 0.015+/-0.000 χ^2/NDF : 8833673.3/56

All: 0.015+/-0.000 χ^2/NDF : 18257505.6/114

- sign 0.015+/-0.000 χ^2/NDF : 9423732.2/57

yield_bpm11X_mean vs Slug



Right In: 0.956 $\pm$ 0.000 χ^2 /NDF: 976714469.1/31

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310195180.4/24

+ sign 0.808 $\pm$ 0.000 χ^2 /NDF: 2589980646.9/56

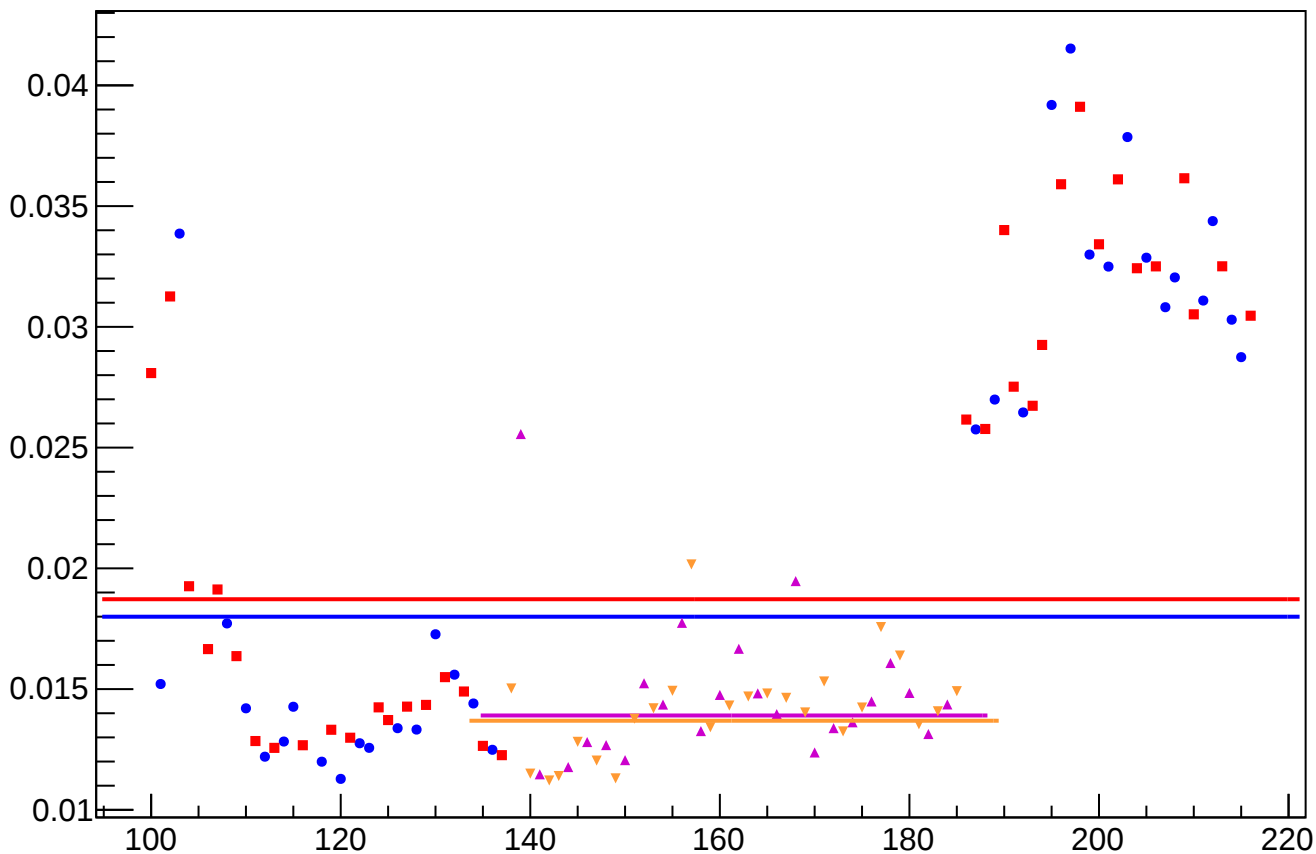
Right Out: 0.951 $\pm$ 0.000 χ^2 /NDF: 1237824845.2/34

All: 0.806 $\pm$ 0.000 χ^2 /NDF: 5259085146.7/11

- sign 0.805 $\pm$ 0.000 χ^2 /NDF: 2668566514.1/57

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 170102394.7/22

yield_bpm11X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF : 5583793.7/31

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.019+/-0.000 χ^2/NDF : 4977726.0/34

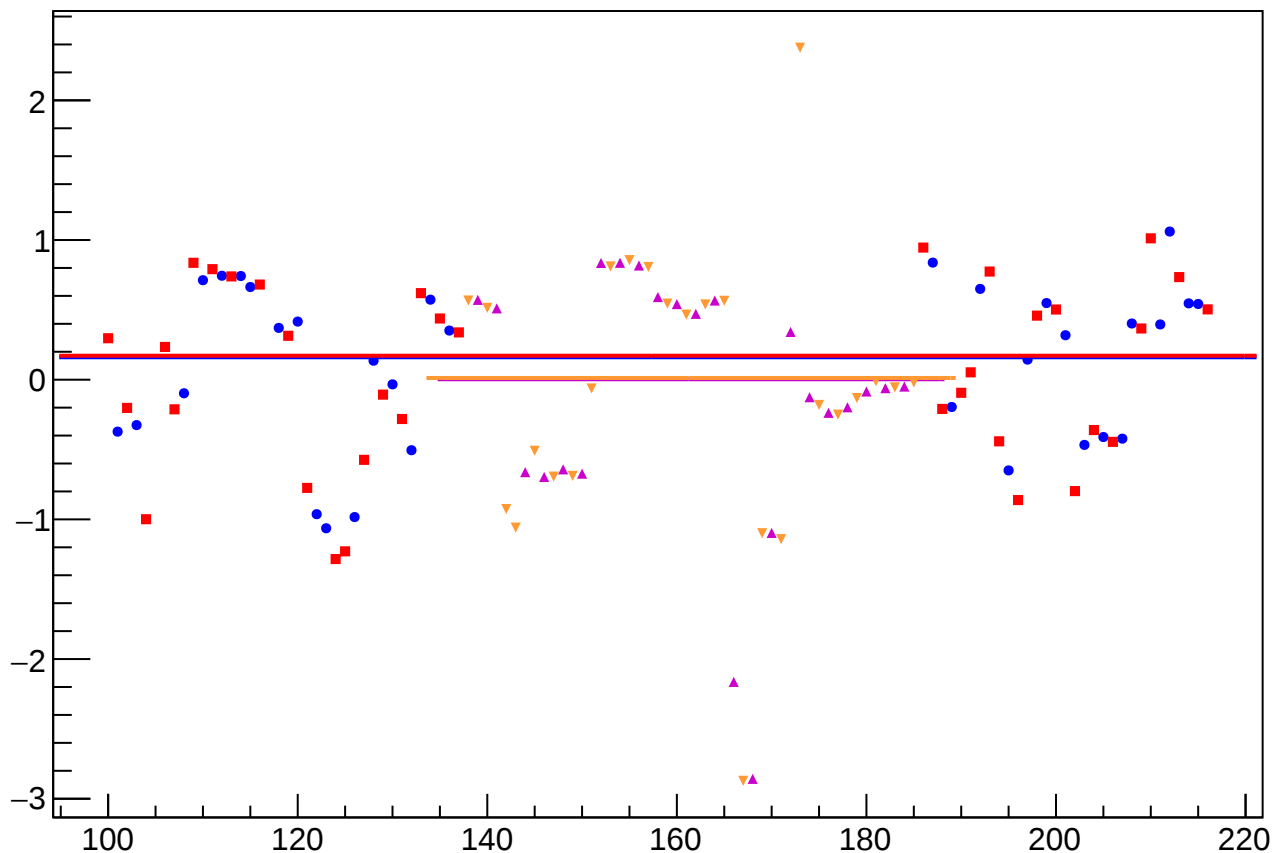
Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 7135552.1/56

All: 0.015+/-0.000 χ^2/NDF : 14130719.0/114

- sign 0.016+/-0.000 χ^2/NDF : 6971809.0/57

yield_bpm11Y_mean vs Slug



Right In: 0.161 $\pm$ 0.000 χ^2 /NDF: 30852294464.5/31

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 96383858927.1/24

Right Out: 0.172 $\pm$ 0.000 χ^2 /NDF: 41539880147.9/34

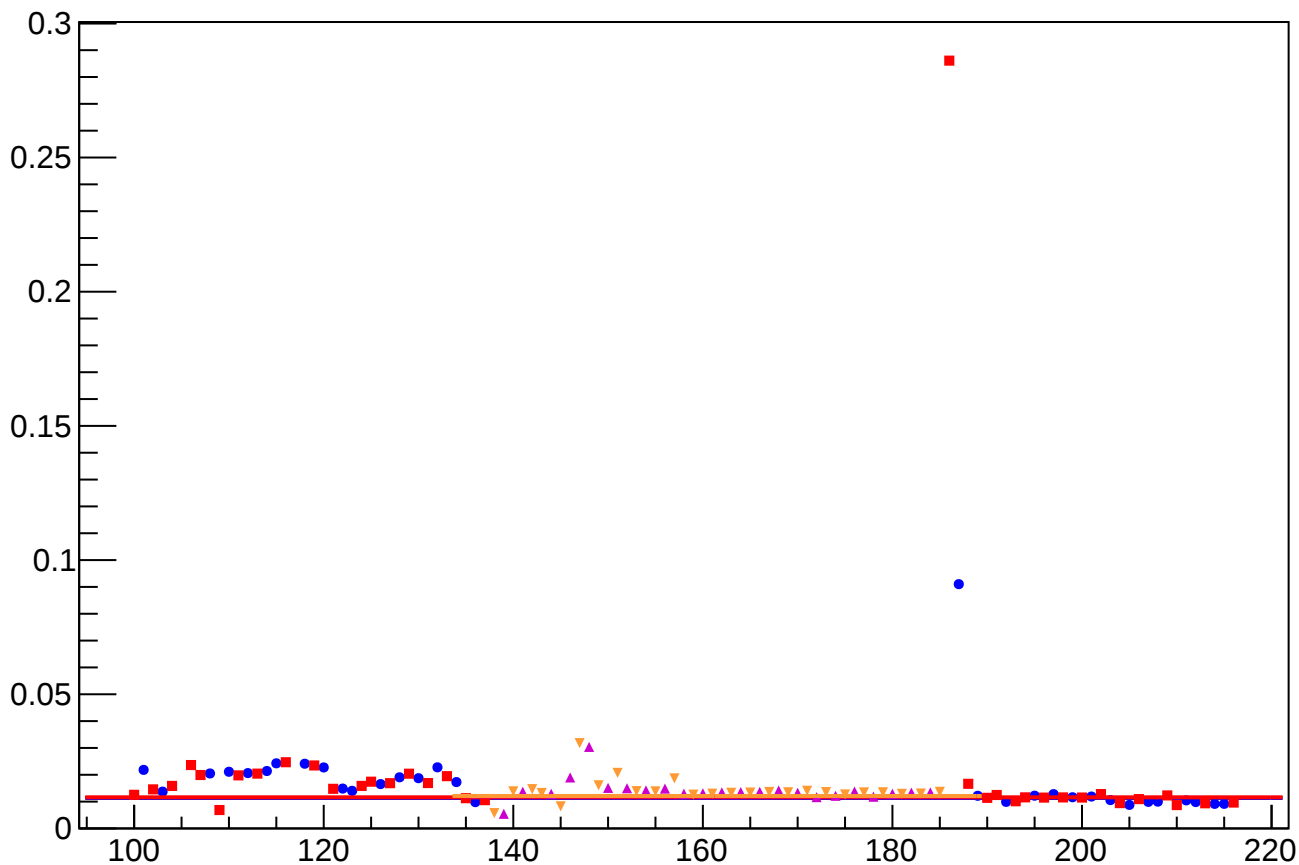
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 78826489573.0/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 128450381797.0/56

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 250328404550.6

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 121877766570.4/57

yield_bpm11Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2615153.5/31

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 3021571.0/34

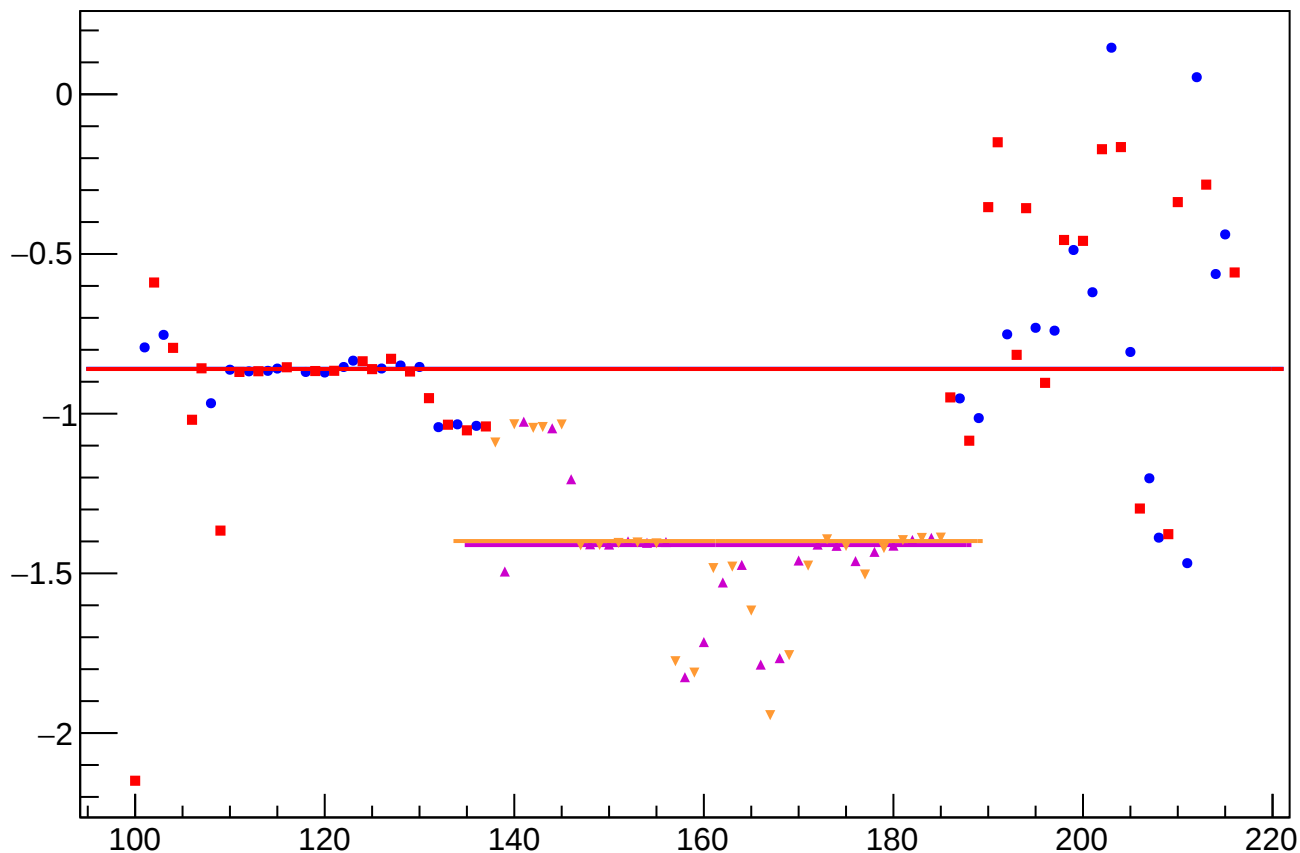
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5781117.9/56

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11824265.5/114

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 6042336.5/57

yield_bpm12X_mean vs Slug



Right In: -0.859+/-0.000 χ^2/NDF : 372770707.7/31

Left Out: -1.399+/-0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.860+/-0.000 χ^2/NDF : 492958942.6/34

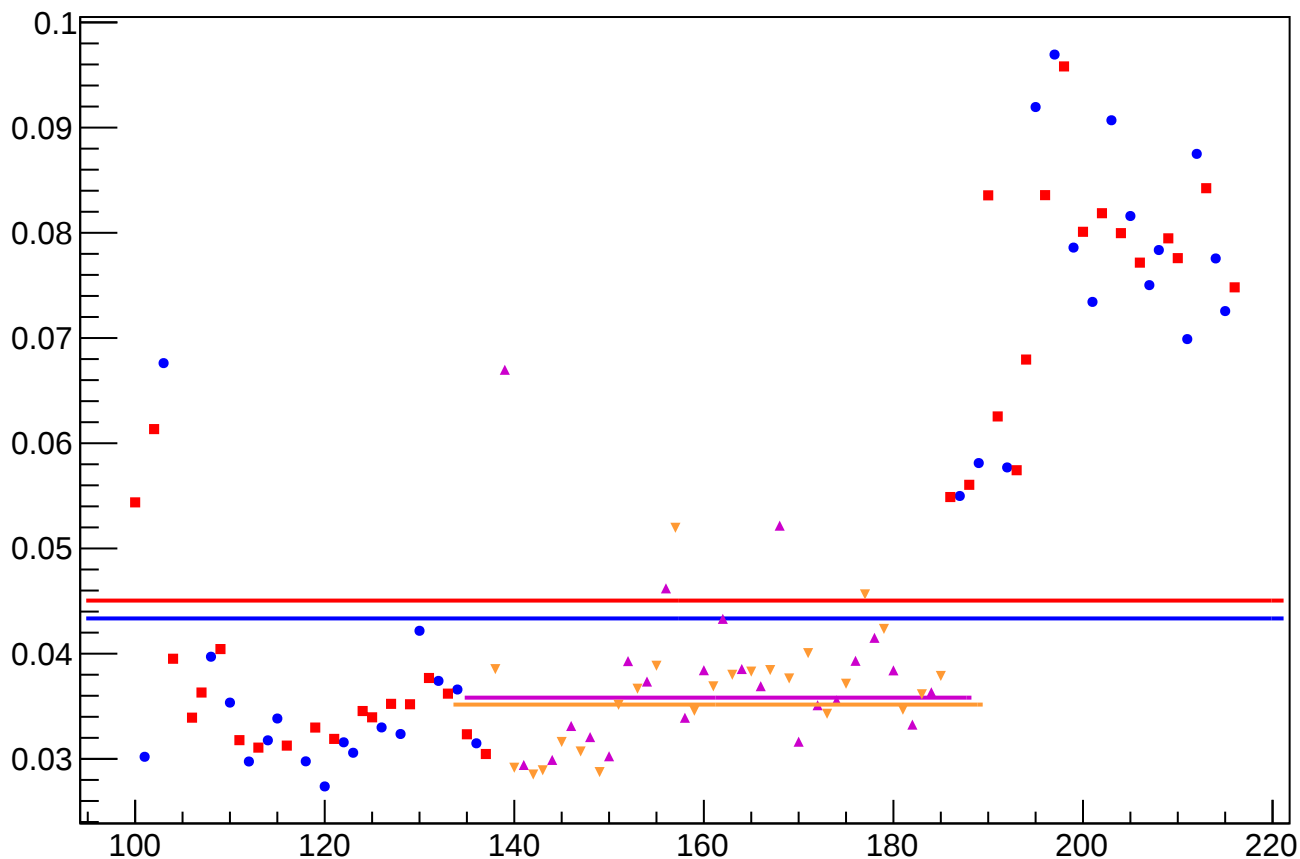
Left In: -1.411+/-0.000 χ^2/NDF : 512547995.0/22

+ sign -1.207+/-0.000 χ^2/NDF : 2449770450.6/56

All: -1.208+/-0.000 χ^2/NDF : 4790170585.7/1

- sign -1.208+/-0.000 χ^2/NDF : 2340396213.6/57

yield_bpm12X_rms vs Slug



Right In: 0.043+/-0.000 χ^2/NDF : 5392766.6/31

Left Out: 0.035+/-0.000 χ^2/NDF : 595219.5/24

Right Out: 0.045+/-0.000 χ^2/NDF : 4554336.8/34

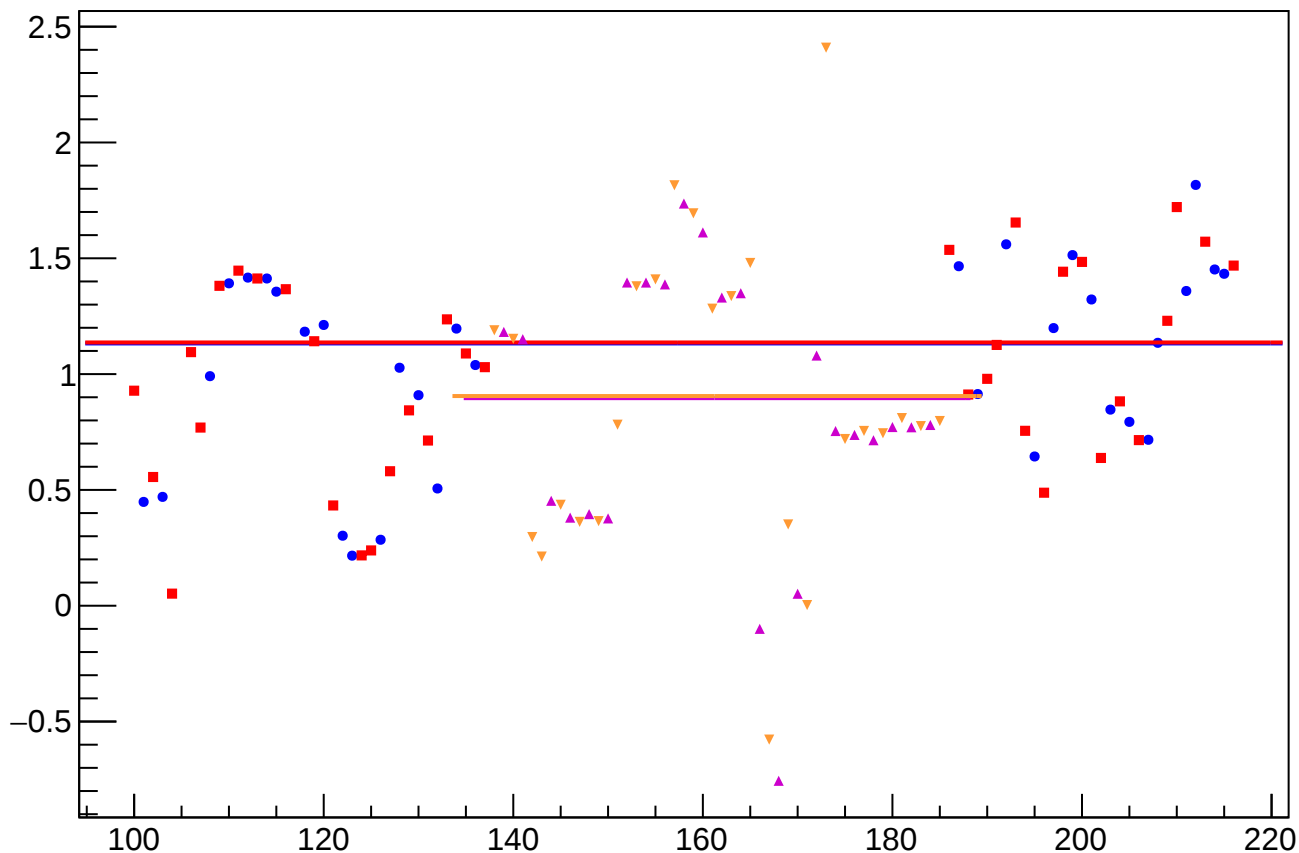
Left In: 0.036+/-0.000 χ^2/NDF : 864147.6/22

+ sign 0.038+/-0.000 χ^2/NDF : 6604690.1/56

All: 0.039+/-0.000 χ^2/NDF : 12797047.1/114

- sign 0.039+/-0.000 χ^2/NDF : 6166256.4/57

yield_bpm12Y_mean vs Slug



Right In: 1.132 $\pm$ 0.000 χ^2 /NDF: 42362777269.5/31

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.137 $\pm$ 0.000 χ^2 /NDF: 46204706459.6/34

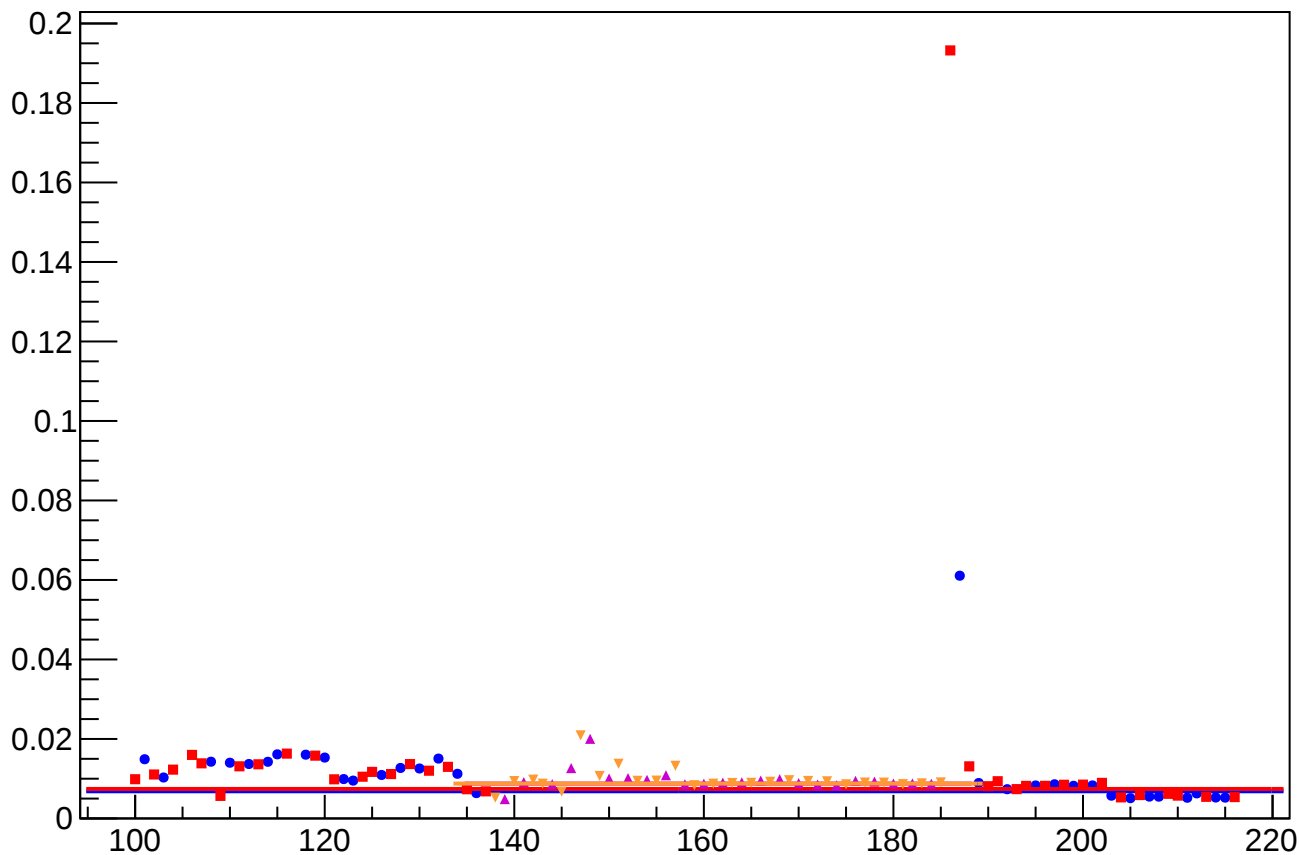
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 1.038 $\pm$ 0.000 χ^2 /NDF: 133214825528.6/56

All: 1.035 $\pm$ 0.000 χ^2 /NDF: 252702502780.5

- sign 1.032 $\pm$ 0.000 χ^2 /NDF: 119478839423.1/57

yield_bpm12Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 3754340.6/31

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1697568.1/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 3874670.0/34

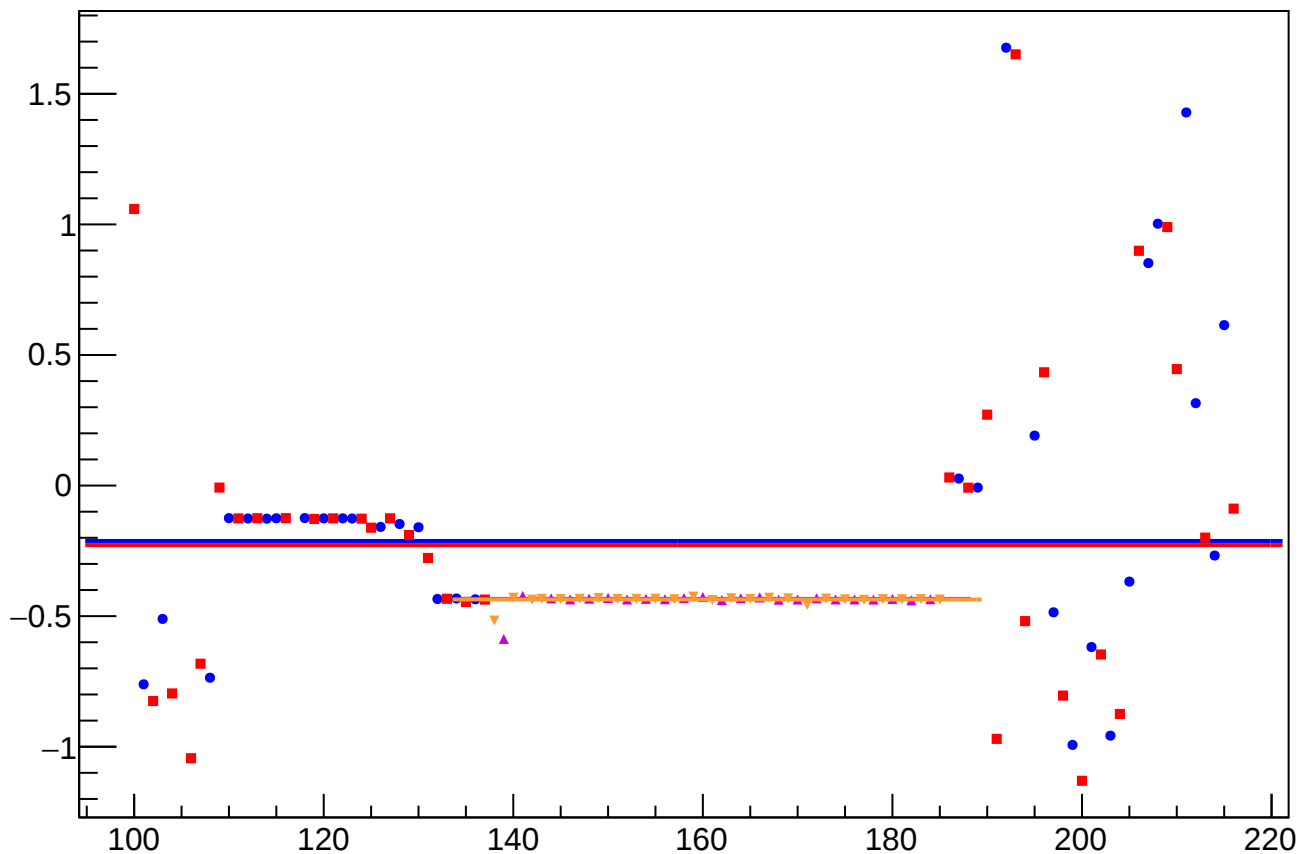
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6414242.9/56

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 12385237.3/114

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5905083.9/57

yield_bpm16X_mean vs Slug



Right In: -0.212 ± 0.000 $\chi^2/\text{NDF}: 4980665593.5/31$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28774660.0/24$

Right Out: -0.228 ± 0.000 $\chi^2/\text{NDF}: 3424446144.6/34$

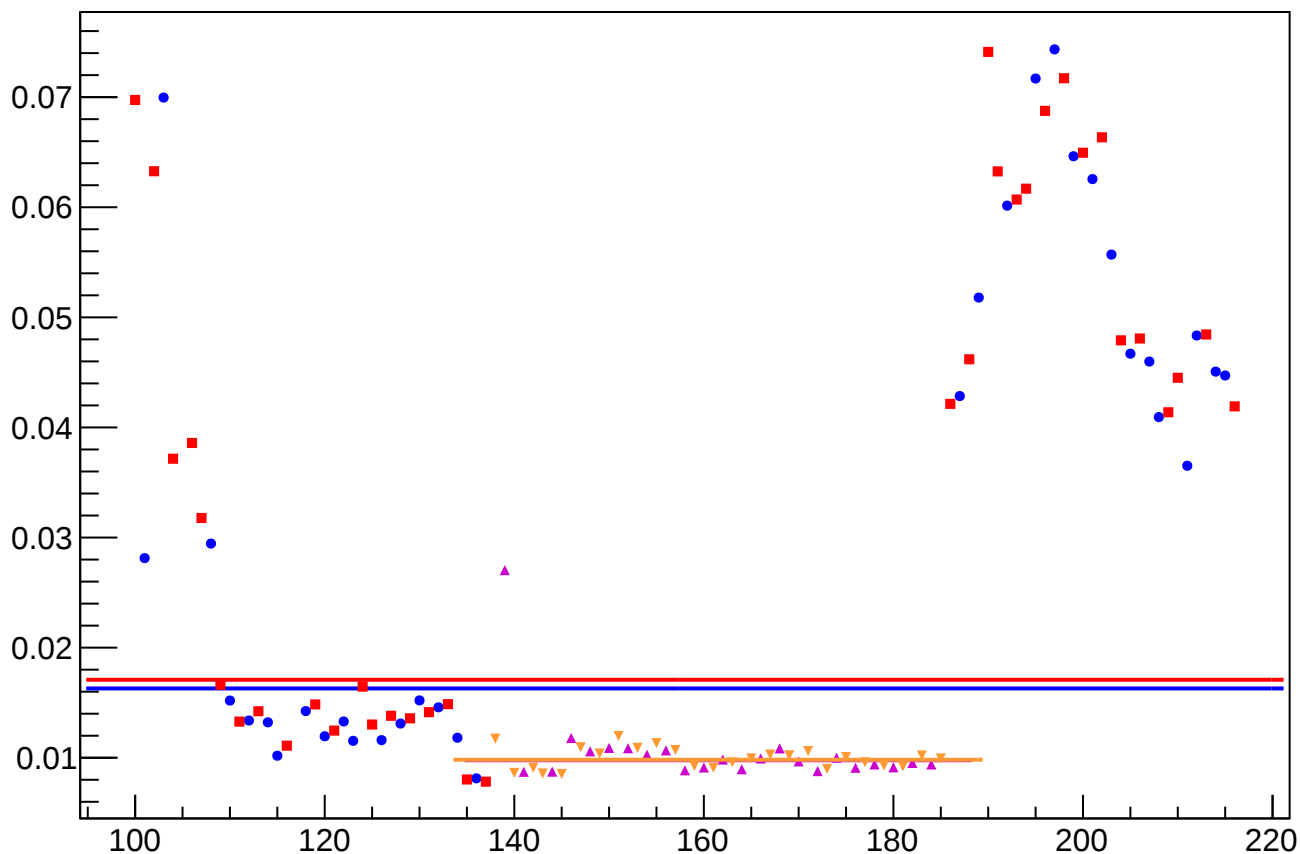
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 23984173.0/22$

+ sign -0.395 ± 0.000 $\chi^2/\text{NDF}: 6488296951.8/56$

All: -0.396 ± 0.000 $\chi^2/\text{NDF}: 11107092962.6/111$

- sign -0.397 ± 0.000 $\chi^2/\text{NDF}: 4618631378.6/57$

yield_bpm16X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 12505327.1/31

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:269242.6/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 12714895.2/34

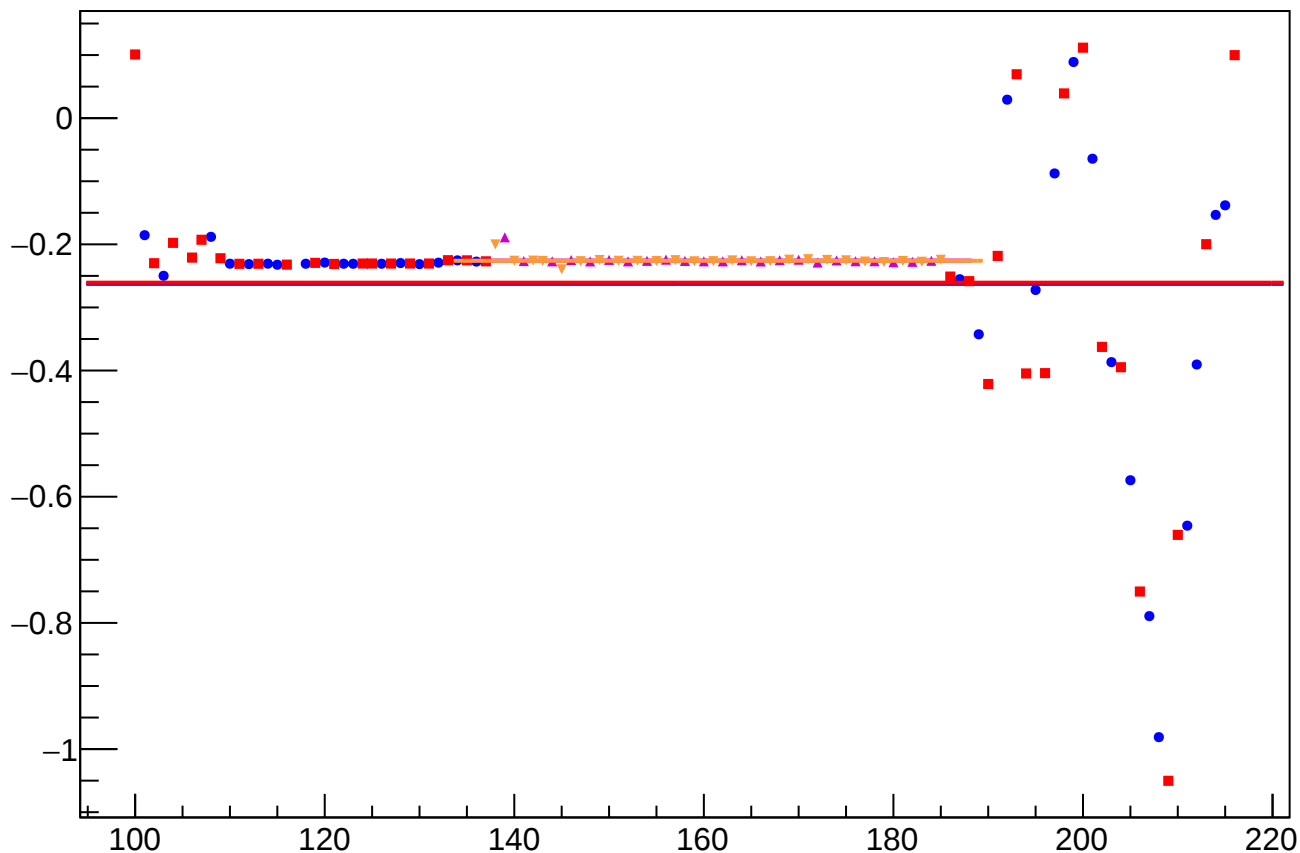
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 15243105.3/56

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 31647926.6/114

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 16402938.2/57

yield_bpm16Y_mean vs Slug



Right In: -0.263+/-0.000 χ^2/NDF : 25128939462.3/31

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.261+/-0.000 χ^2/NDF : 26590083609.5/34

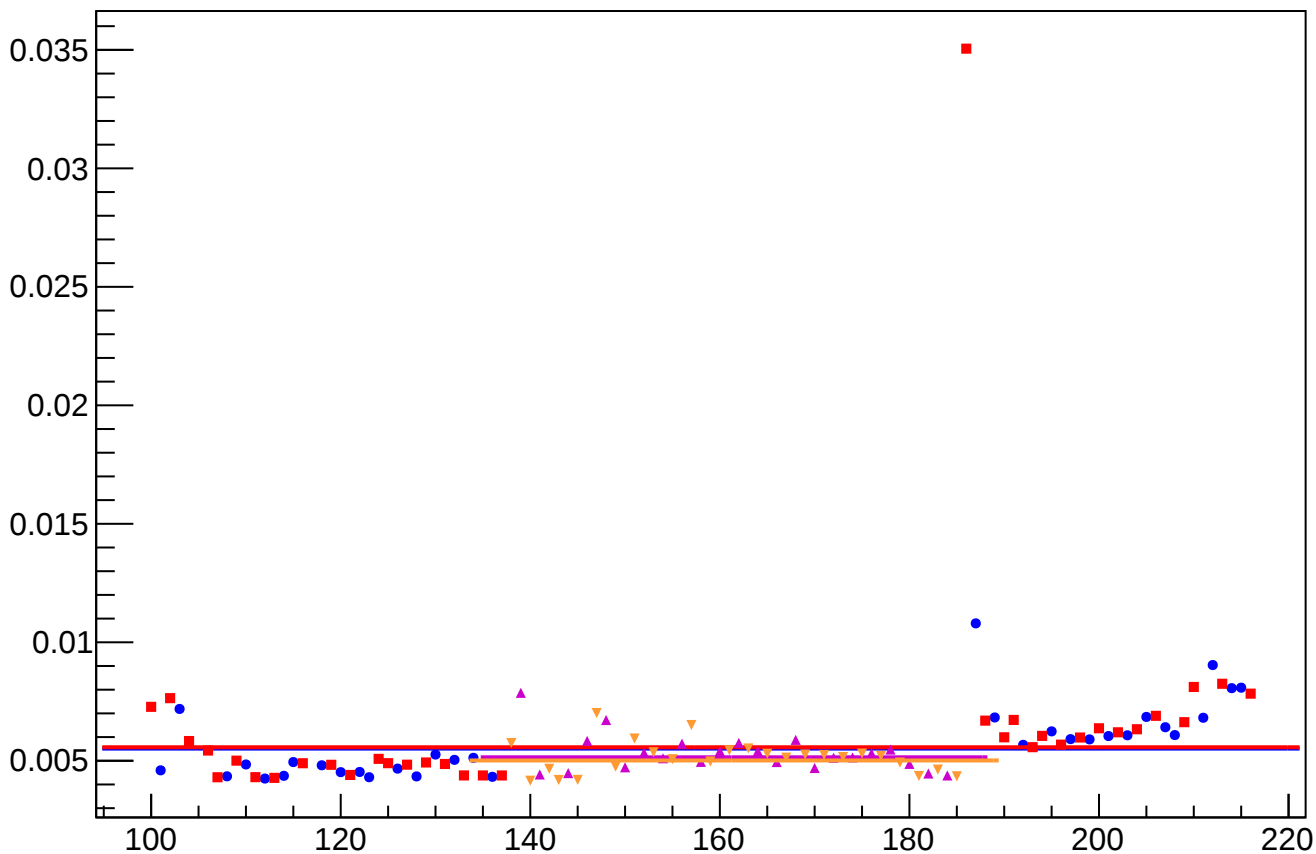
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.242+/-0.000 χ^2/NDF : 25540692201.2/56

All: -0.242+/-0.000 χ^2/NDF : 52490117899.2/100

- sign -0.242+/-0.000 χ^2/NDF : 26949424268.1/57

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1366143.7/31

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1714521.5/34

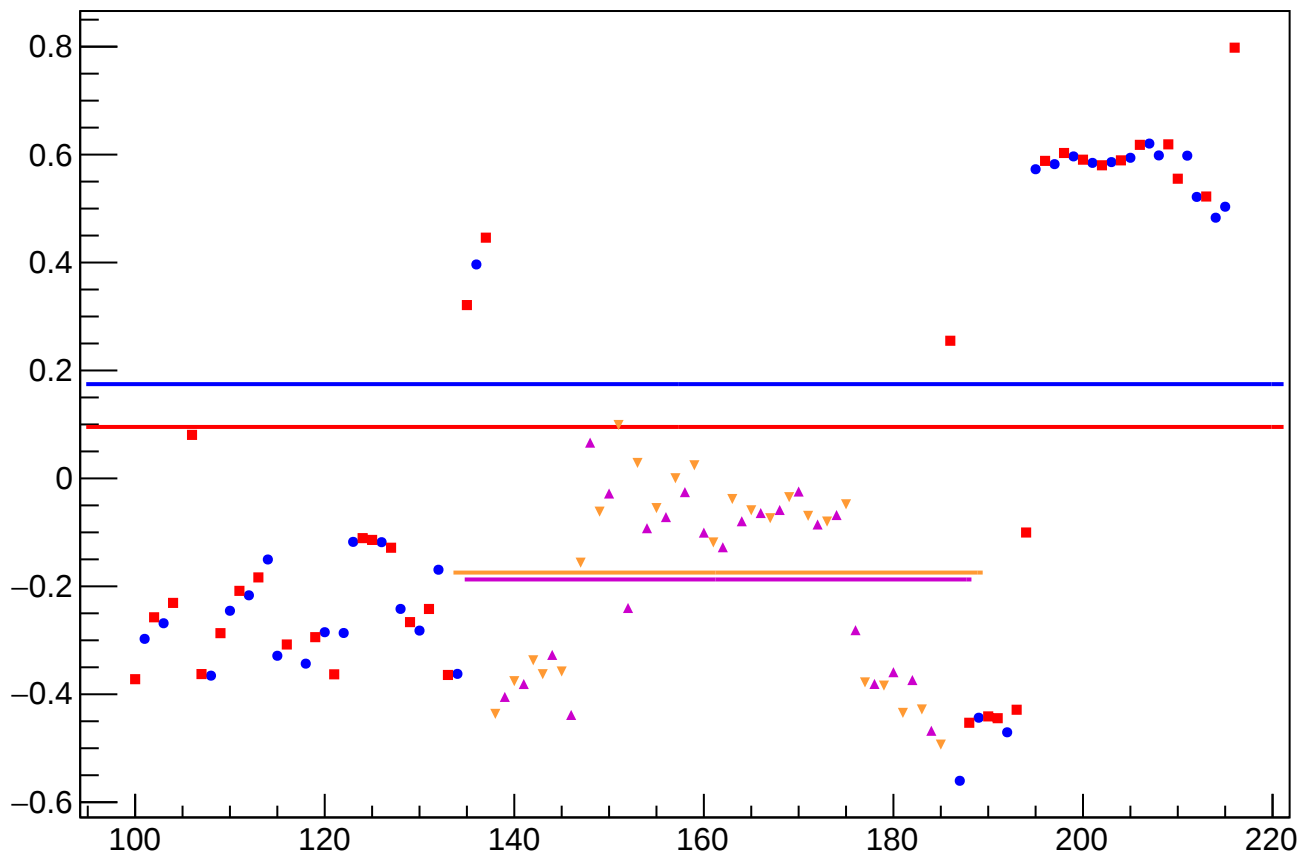
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 2043889.2/56

All: 0.005+/-0.000 χ^2/NDF : 4366575.1/114

- sign 0.005+/-0.000 χ^2/NDF : 2308230.9/57

yield_bpm0i02X_mean vs Slug



Right In: 0.175+/-0.000 χ^2/NDF : 68815783718.4/31

Left Out: -0.174+/-0.000 χ^2/NDF : 18025533236.1/24

Right Out: 0.095+/-0.000 χ^2/NDF : 72372621959.8/34

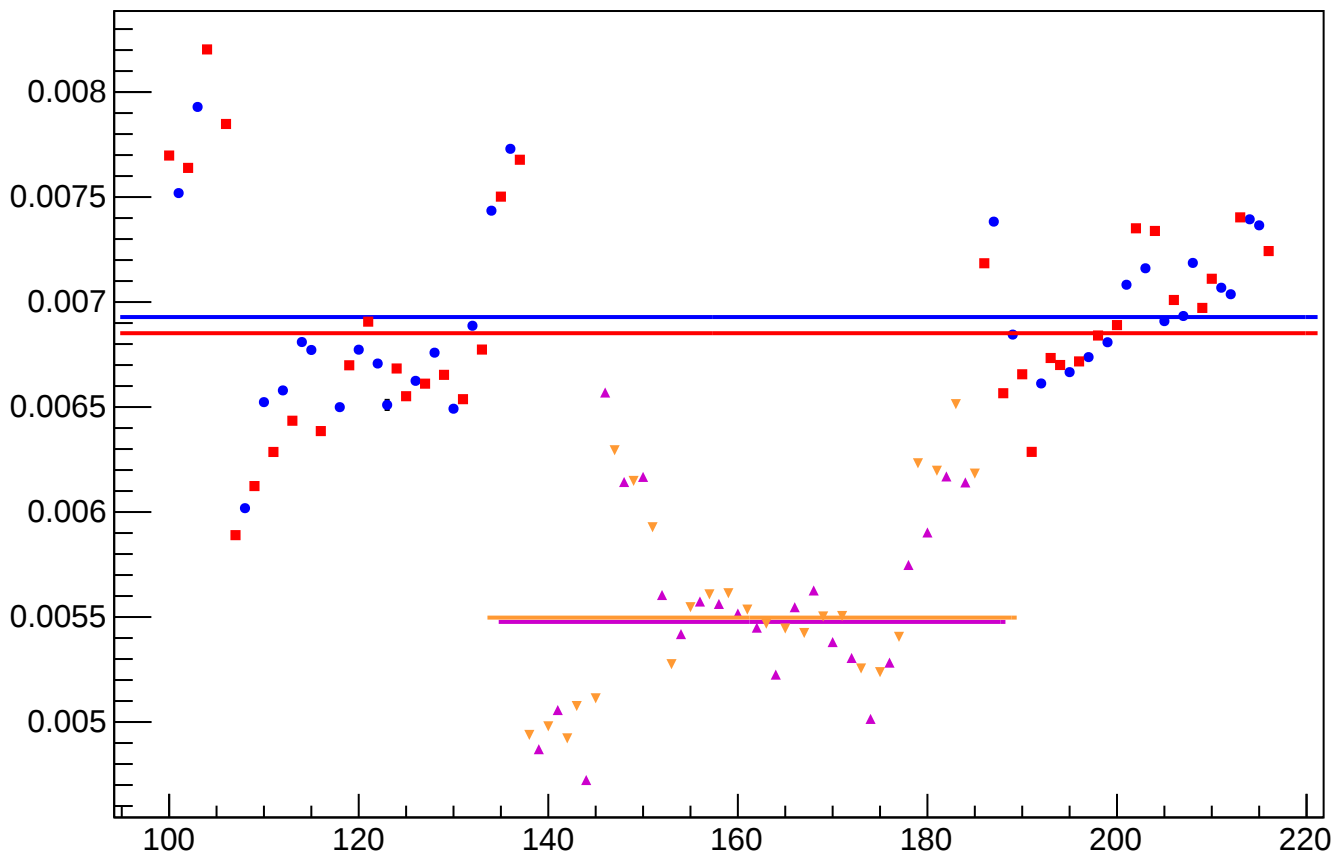
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.041+/-0.000 χ^2/NDF : 113719391880.1/56

All: -0.057+/-0.000 χ^2/NDF : 217084352259.2

- sign -0.073+/-0.000 χ^2/NDF : 102906646002.1/57

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 104658.1/31

Left Out: 0.005+/-0.000 χ^2/NDF : 198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 145880.3/34

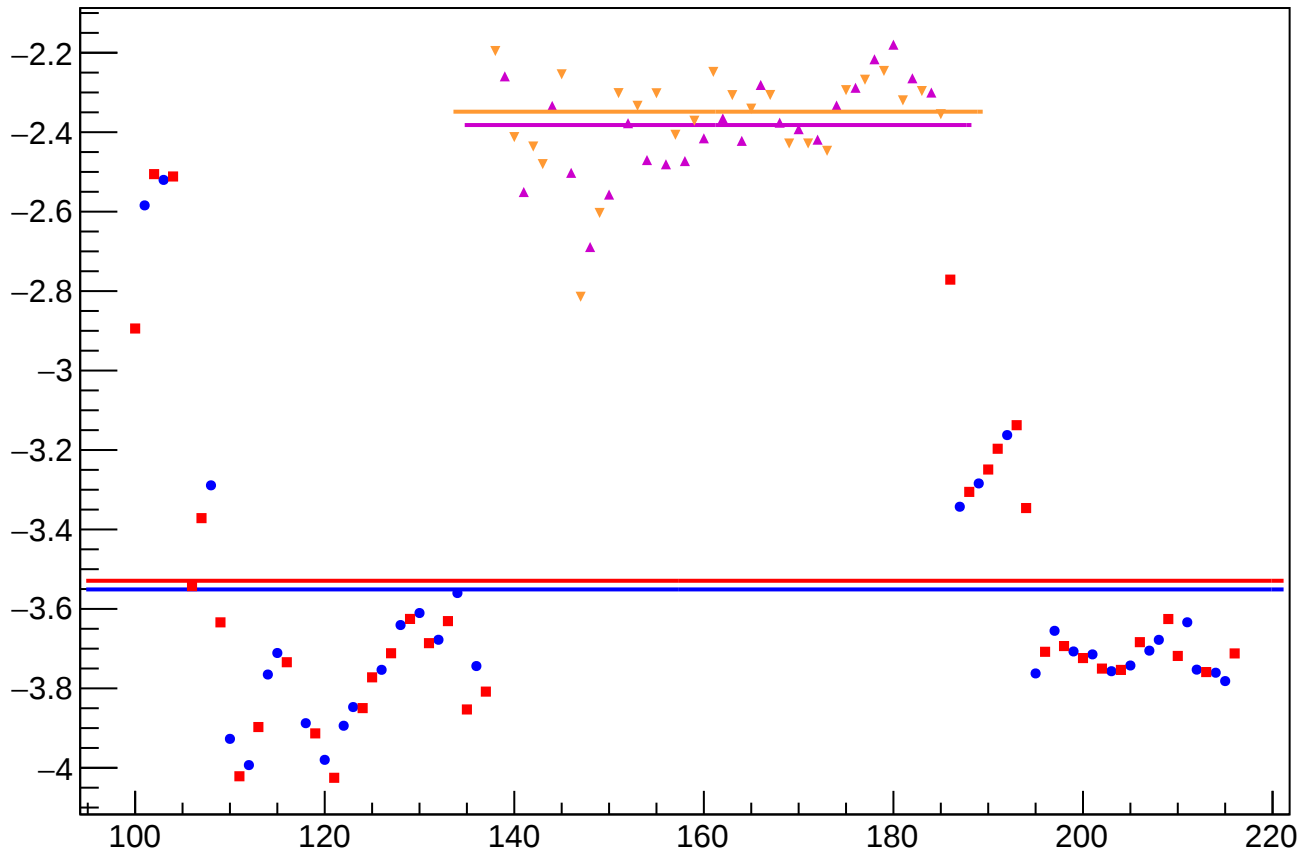
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 1206650.6/56

All: 0.006+/-0.000 χ^2/NDF : 2393385.5/114

- sign 0.006+/-0.000 χ^2/NDF : 1186654.9/57

yield_bpm0i02Y_mean vs Slug



Right In: -3.551+/-0.000 χ^2/NDF : 30702735195.5/31

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.529+/-0.000 χ^2/NDF : 31457248112.4/34

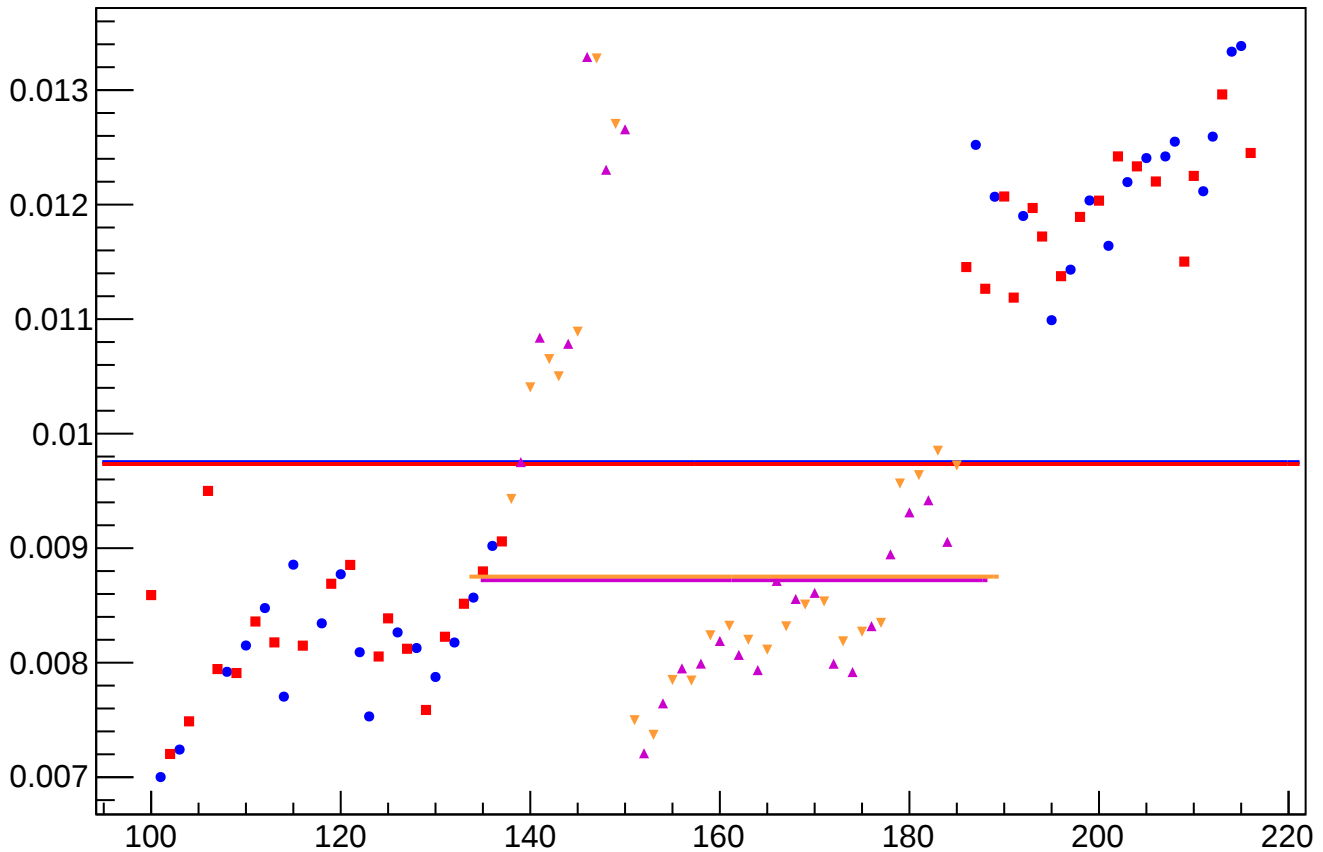
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.868+/-0.000 χ^2/NDF : 173511163782.0/56

All: -2.885+/-0.000 χ^2/NDF : 334827768856.1

- sign -2.902+/-0.000 χ^2/NDF : 161092013524.3/57

yield_bpm0i02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1522535.2/31

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:663672.8/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1336281.3/34

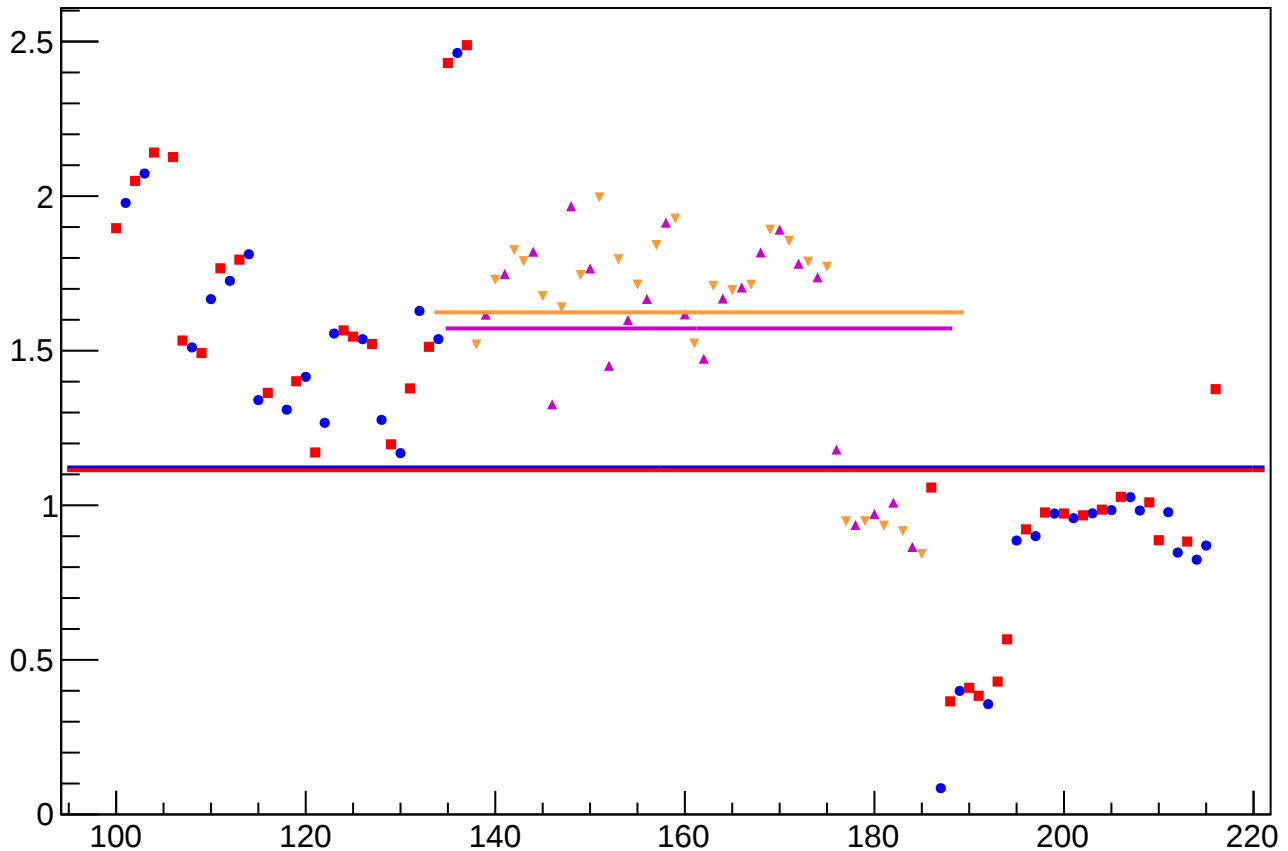
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:747867.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2380541.4/56

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4663814.1/114

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2283268.9/57

yield_bpm0i02aX_mean vs Slug



Right In: 1.122 $\pm$ 0.000 χ^2 /NDF: 28842286254.3/31

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.113 $\pm$ 0.000 χ^2 /NDF: 33414962804.6/34

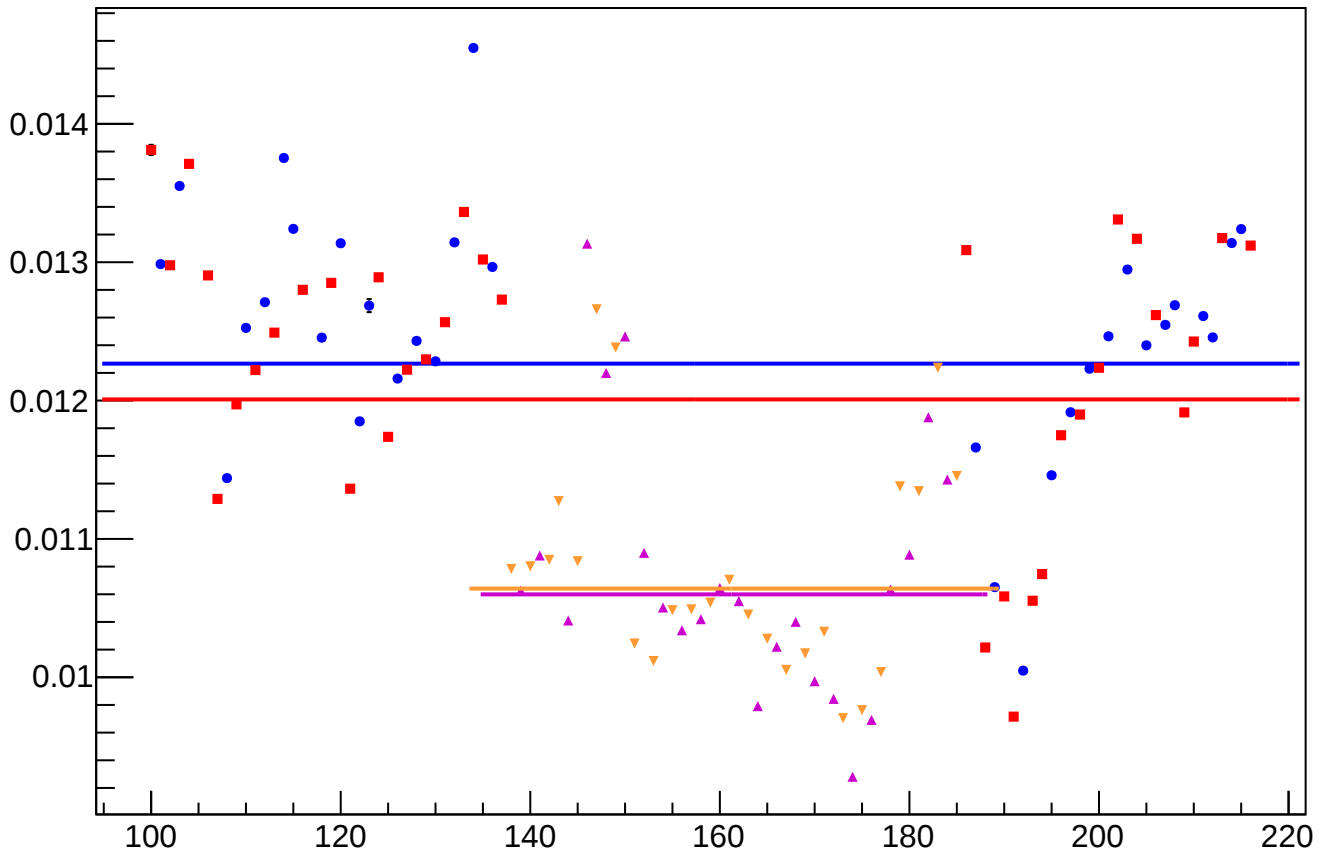
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.414 $\pm$ 0.000 χ^2 /NDF: 61957399092.6/56

All: 1.390 $\pm$ 0.000 χ^2 /NDF: 123852968239.0

- sign 1.366 $\pm$ 0.000 χ^2 /NDF: 61593456469.1/57

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 186300.5/31

Left Out: 0.011 ± 0.000 χ^2/NDF : 159760.9/24

Right Out: 0.012 ± 0.000 χ^2/NDF : 254771.5/34

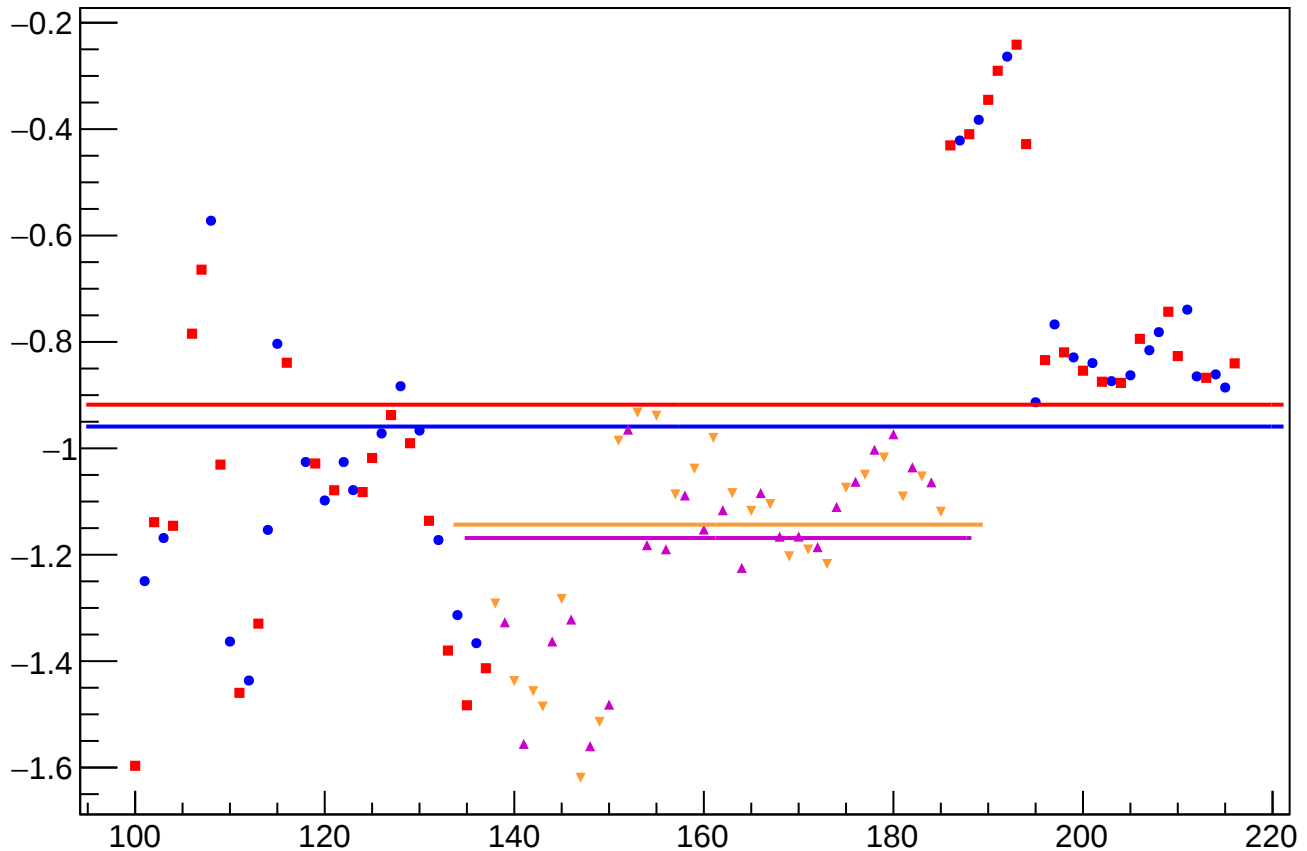
Left In: 0.011 ± 0.000 χ^2/NDF : 204531.5/22

+ sign 0.011 ± 0.000 χ^2/NDF : 692270.8/56

All: 0.011 ± 0.000 χ^2/NDF : 1417274.0/114

- sign 0.011 ± 0.000 χ^2/NDF : 722760.9/57

yield_bpm0i02aY_mean vs Slug



Right In: -0.959 ± 0.000 χ^2/NDF : 11487342105.7/31

Left Out: -1.143 ± 0.000 χ^2/NDF : 7976364534.0/24

+ sign -1.080 ± 0.000 χ^2/NDF : 22740939069.7/56

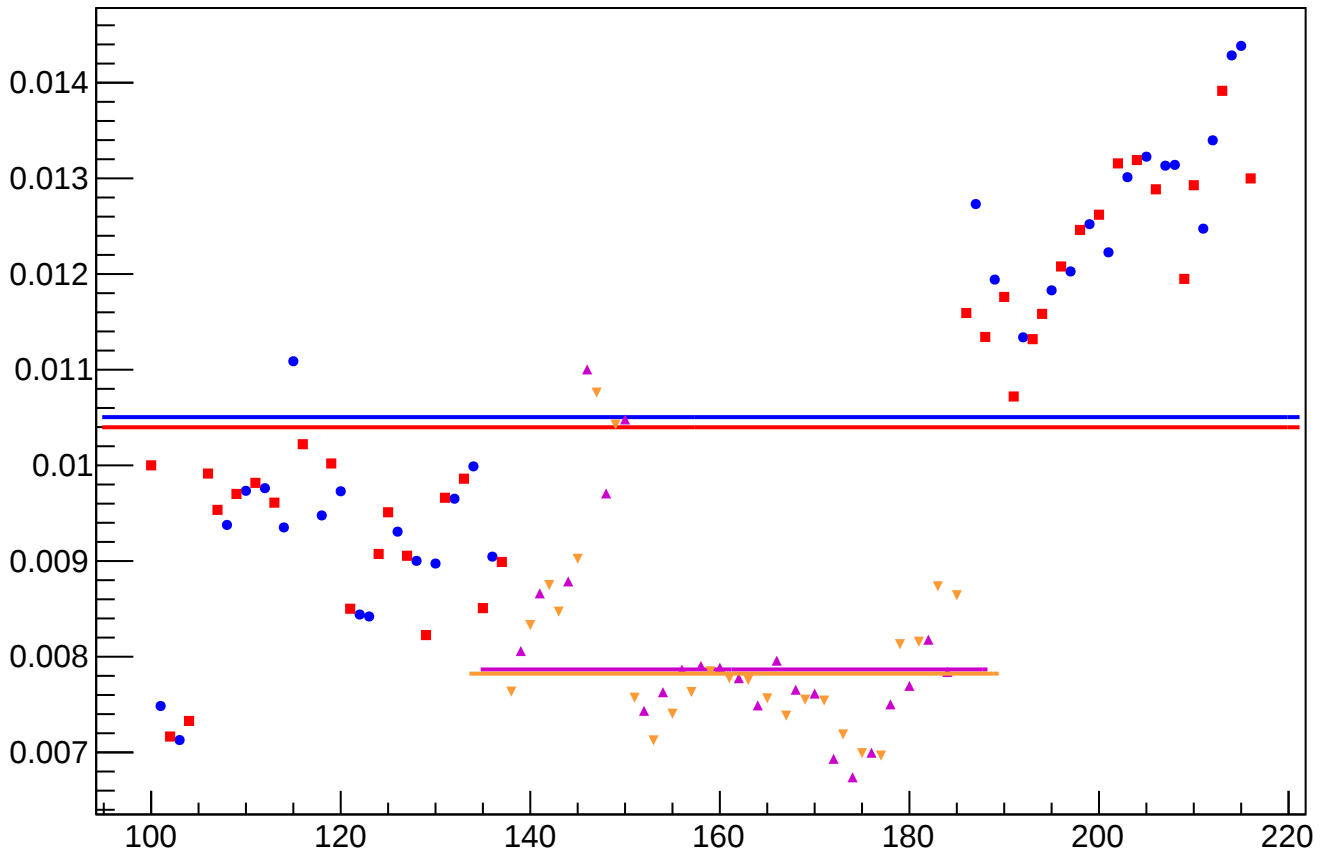
Right Out: -0.918 ± 0.000 χ^2/NDF : 16113929306.6/34

All: -1.078 ± 0.000 χ^2/NDF : 51328685621.8/100

- sign -1.076 ± 0.000 χ^2/NDF : 28583912763.3/57

Left In: -1.169 ± 0.000 χ^2/NDF : 6362643368.6/22

yield_bpm0i02aY_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 1322161.5/31

Left Out: 0.008+/-0.000 χ^2/NDF : 336387.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 1152117.0/34

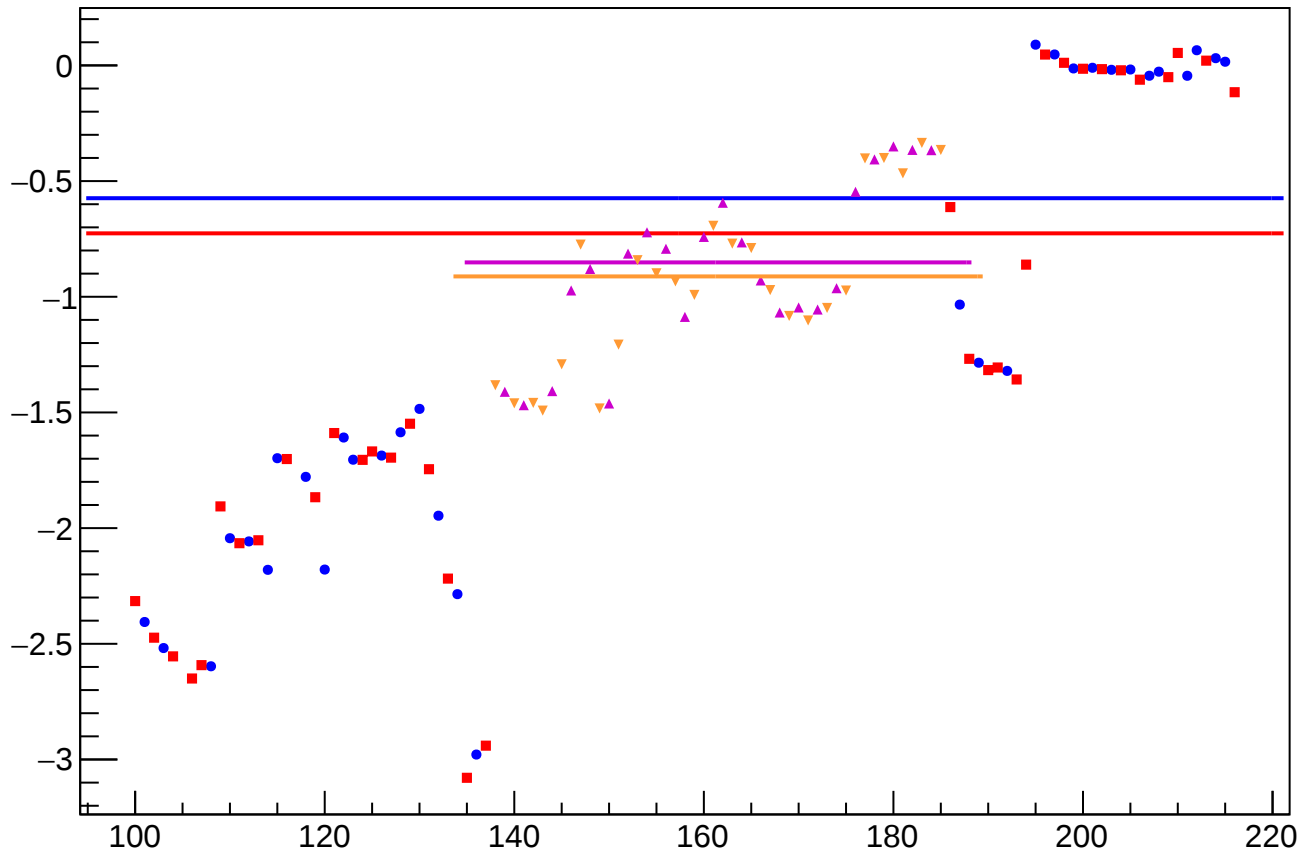
Left In: 0.008+/-0.000 χ^2/NDF : 379901.3/22

+ sign 0.009+/-0.000 χ^2/NDF : 3044950.5/56

All: 0.009+/-0.000 χ^2/NDF : 5824005.7/114

- sign 0.009+/-0.000 χ^2/NDF : 2777593.0/57

yield_bpm0i05X_mean vs Slug



Right In: -0.574 ± 0.000 $\chi^2/\text{NDF}: 405090601800.3/31$

Left Out: -0.912 ± 0.000 $\chi^2/\text{NDF}: 49039425818.1/24$

Right Out: -0.726 ± 0.000 $\chi^2/\text{NDF}: 428405289565.6/34$

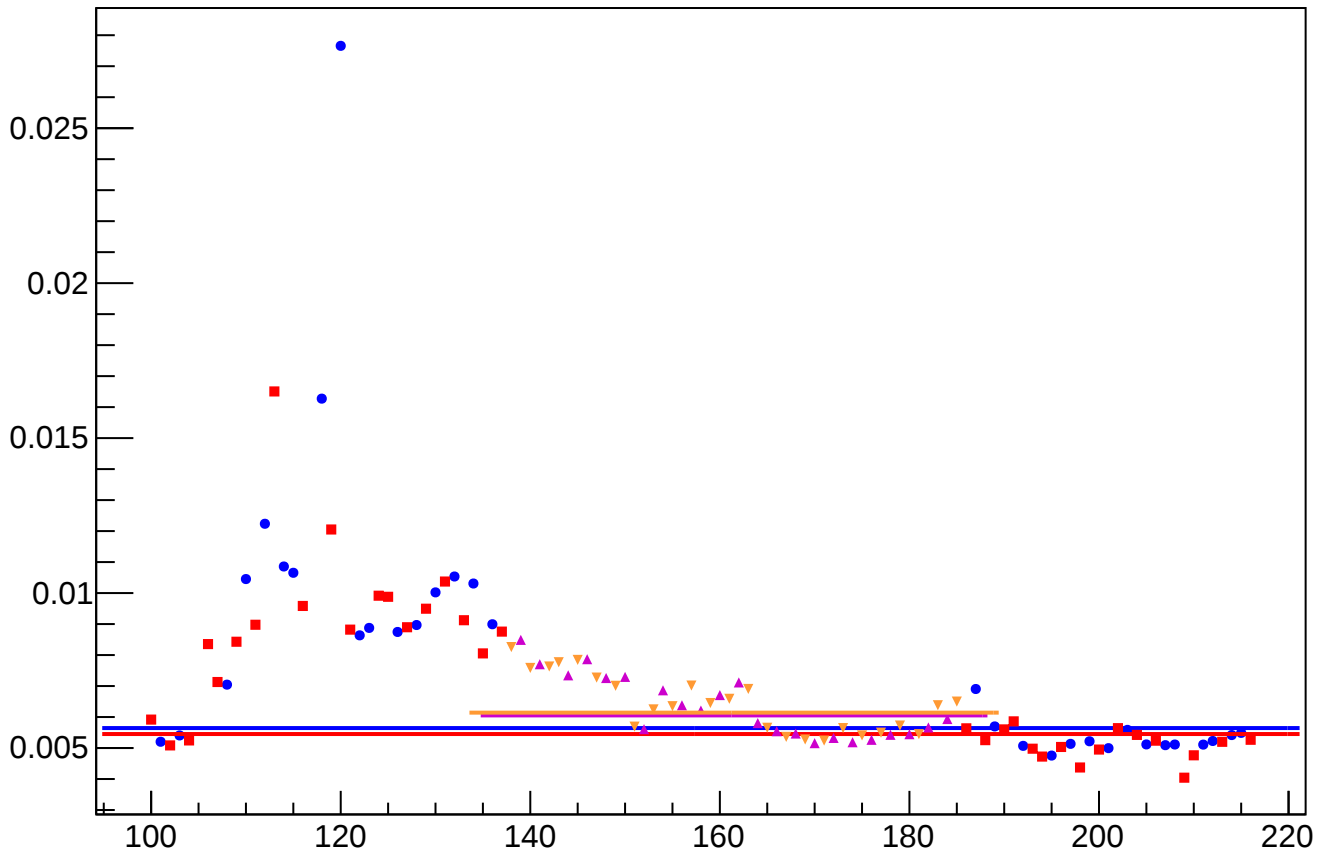
Left In: -0.851 ± 0.000 $\chi^2/\text{NDF}: 46438446008.2/22$

+ sign -0.741 ± 0.000 $\chi^2/\text{NDF}: 479899150741.5/56$

All: -0.763 ± 0.000 $\chi^2/\text{NDF}: 959286442159.1$

- sign -0.784 ± 0.000 $\chi^2/\text{NDF}: 478531364210.6/57$

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2060691.5/31

Left Out: 0.006+/-0.000 χ^2/NDF :637765.4/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2131571.1/34

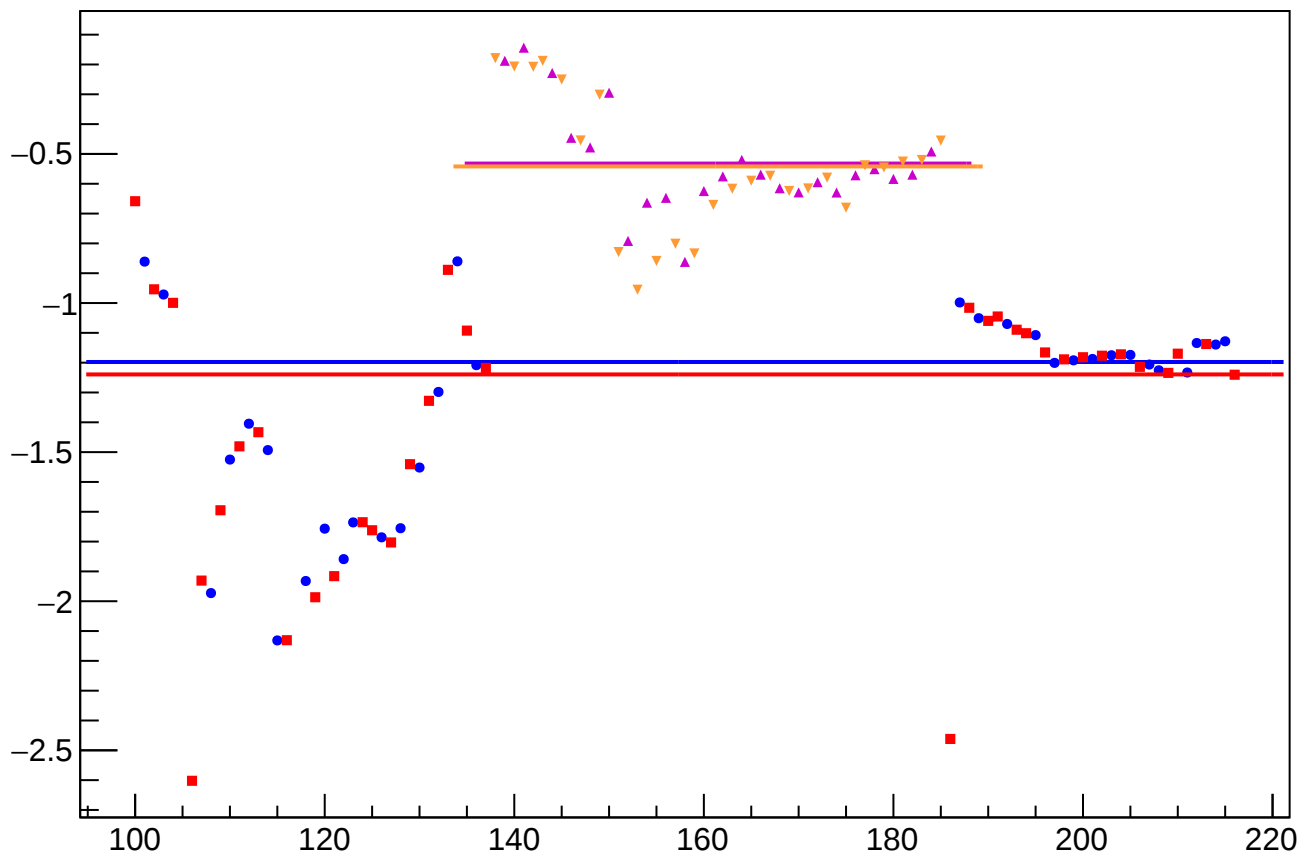
Left In: 0.006+/-0.000 χ^2/NDF :697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2810248.3/56

All: 0.006+/-0.000 χ^2/NDF : 5832086.5/114

- sign 0.006+/-0.000 χ^2/NDF : 2998101.3/57

yield_bpm0i05Y_mean vs Slug



Right In: -1.198+/-0.000 χ^2 /NDF: 26913537136.1/31

Left Out: -0.542+/-0.000 χ^2 /NDF: 47268284910.3/24

Right Out: -1.239+/-0.000 χ^2 /NDF: 79541629551.1/34

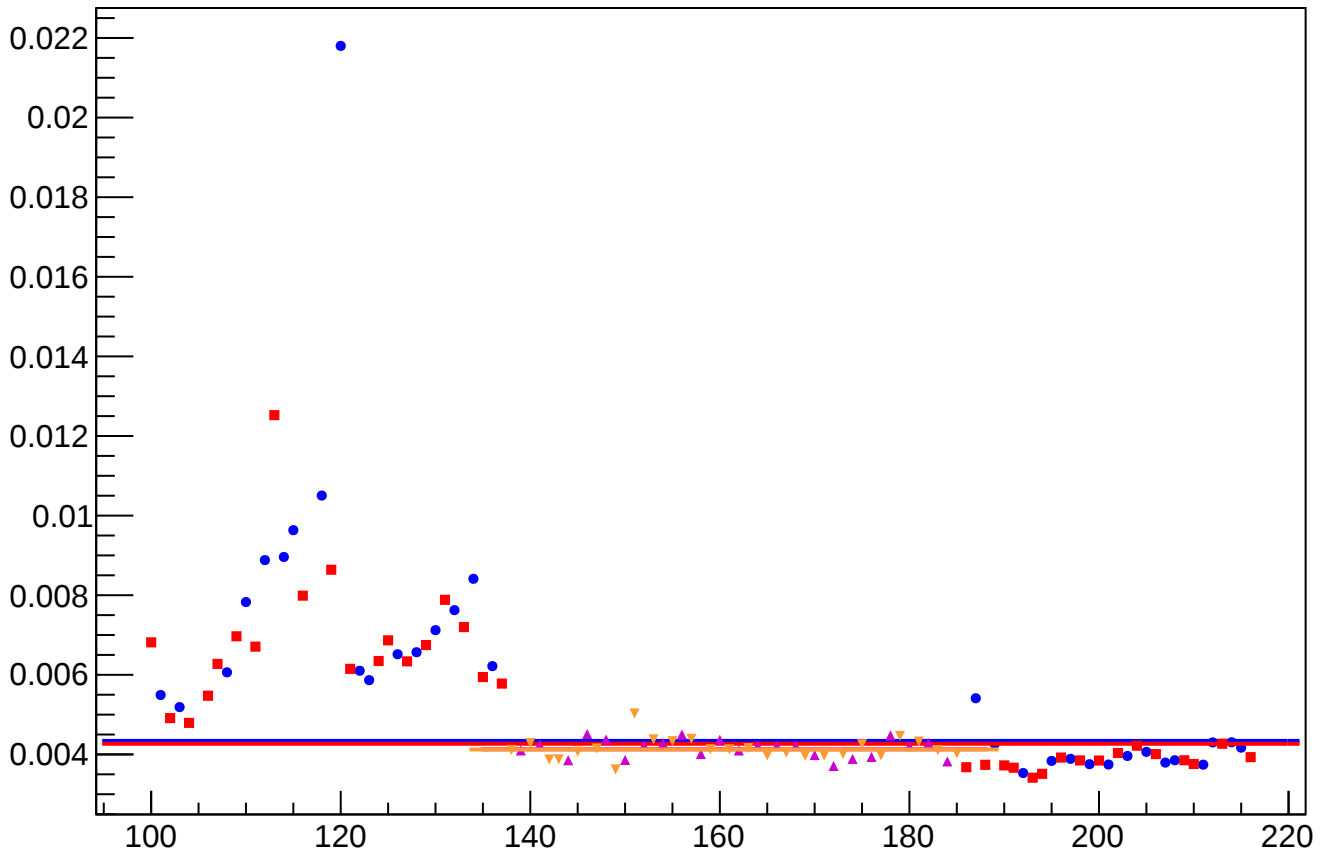
Left In: -0.532+/-0.000 χ^2 /NDF: 30715235426.8/22

+ sign -0.829+/-0.000 χ^2 /NDF: 260640703493.1/56

All: -0.846+/-0.000 χ^2 /NDF: 590813001841.1

- sign -0.863+/-0.000 χ^2 /NDF: 329146049700.7/57

yield_bpm0i05Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2071962.5/31

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1898220.4/34

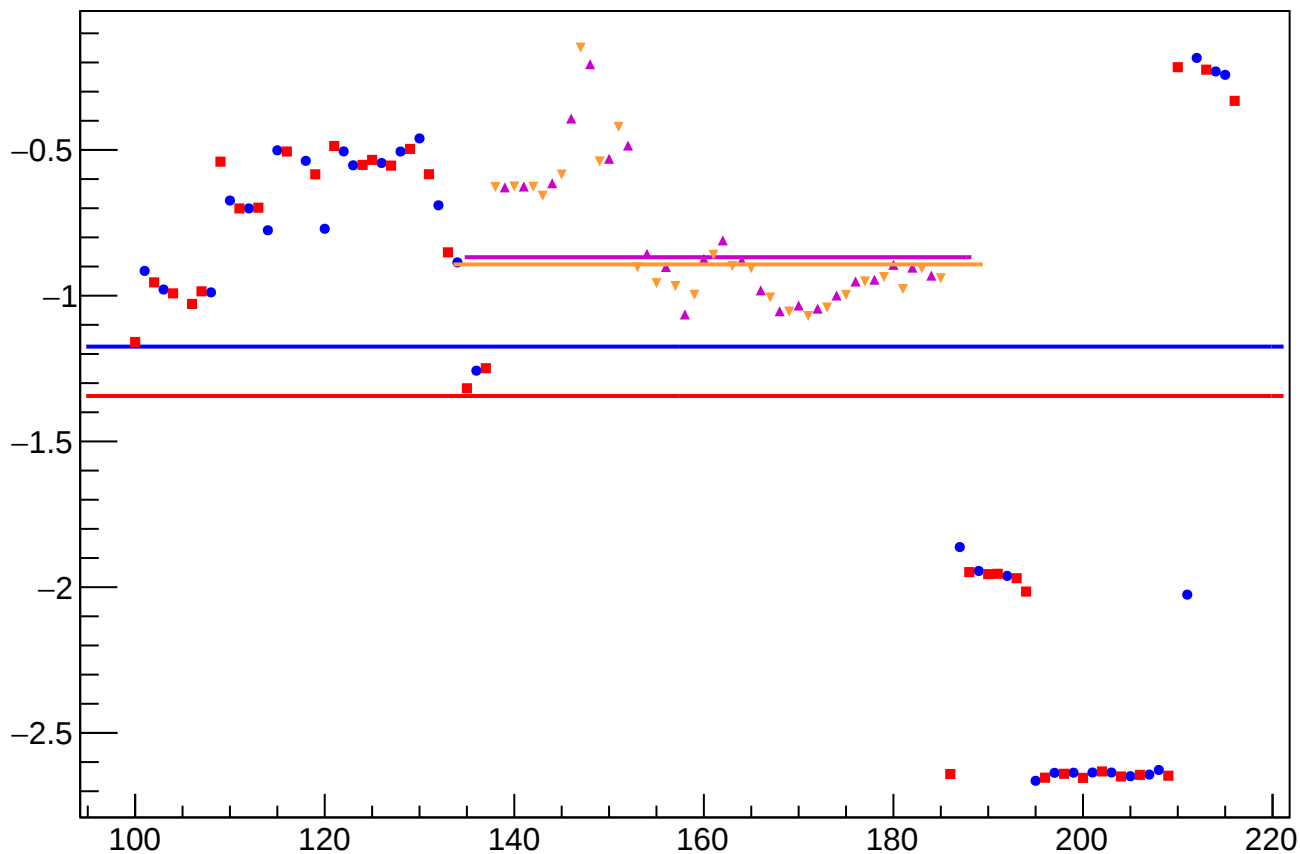
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2225140.2/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4234174.6/114

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2007997.5/57

yield_bpm0i07X_mean vs Slug



Right In: -1.175 ± 0.000 χ^2/NDF : 542364286804.8/31

Left Out: -0.893 ± 0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.344 ± 0.000 χ^2/NDF : 634529775798.6/34

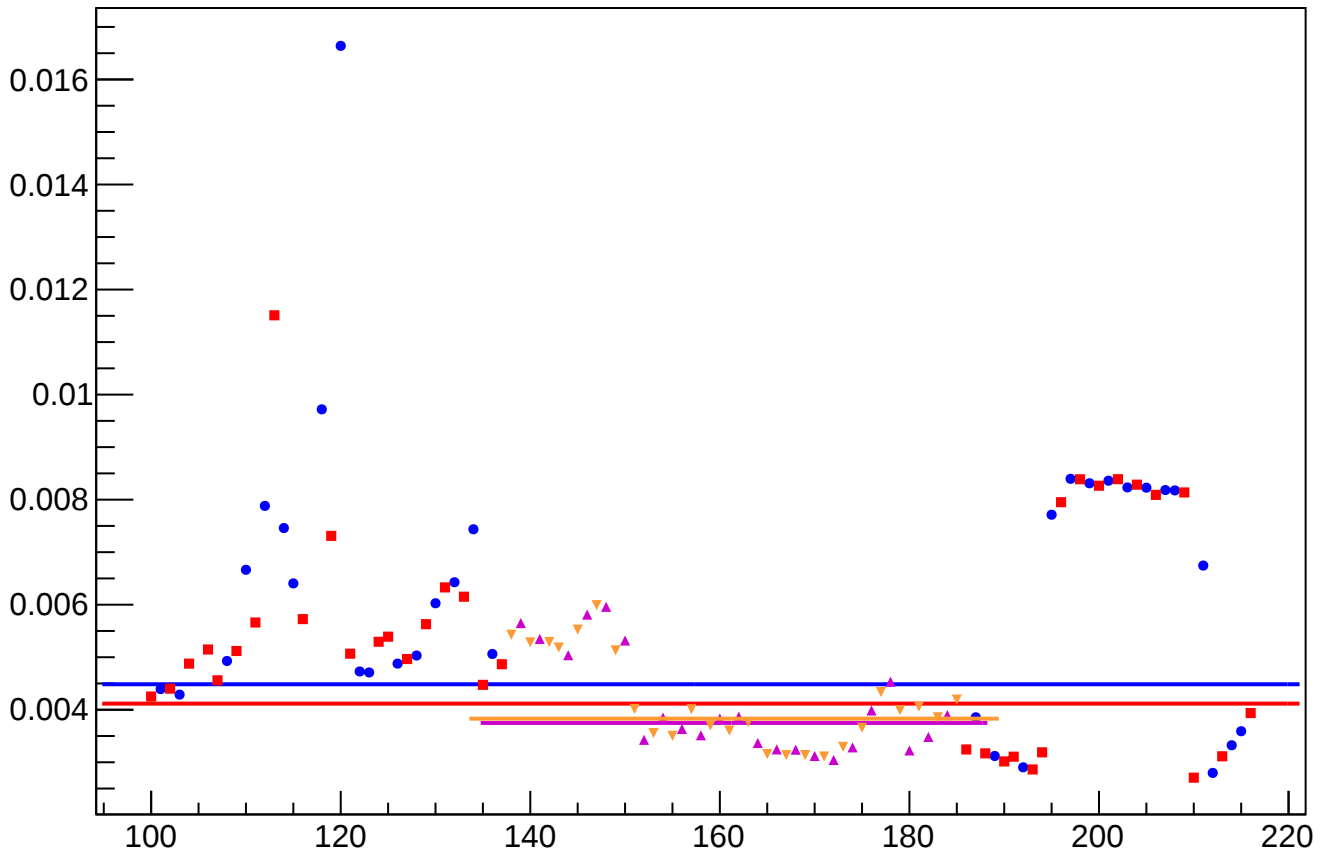
Left In: -0.868 ± 0.000 χ^2/NDF : 43853190177.2/22

+ sign -0.999 ± 0.000 χ^2/NDF : 616760086042.8/56

All: -1.037 ± 0.000 χ^2/NDF : 1409089420828

- sign -1.073 ± 0.000 χ^2/NDF : 787166948908.7/57

yield_bpm0i07X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 5060983.4/31

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 4715517.5/34

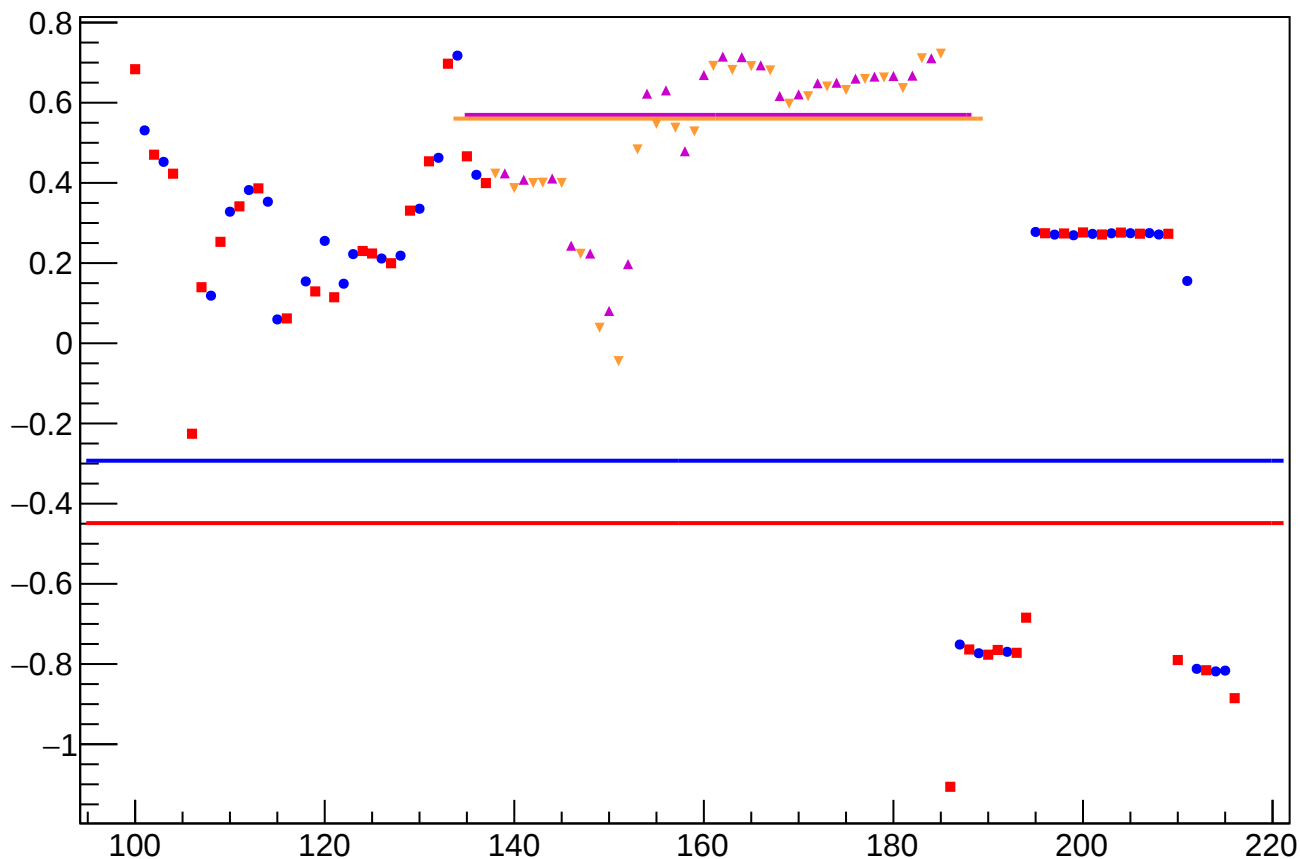
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6602717.9/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12790248.7/114

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6133642.3/57

yield_bpm0i07Y_mean vs Slug



Right In: -0.293+/-0.000 χ^2/NDF : 446655557599.8/31

Left Out: 0.560+/-0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.448+/-0.000 χ^2/NDF : 55644182022.2/34

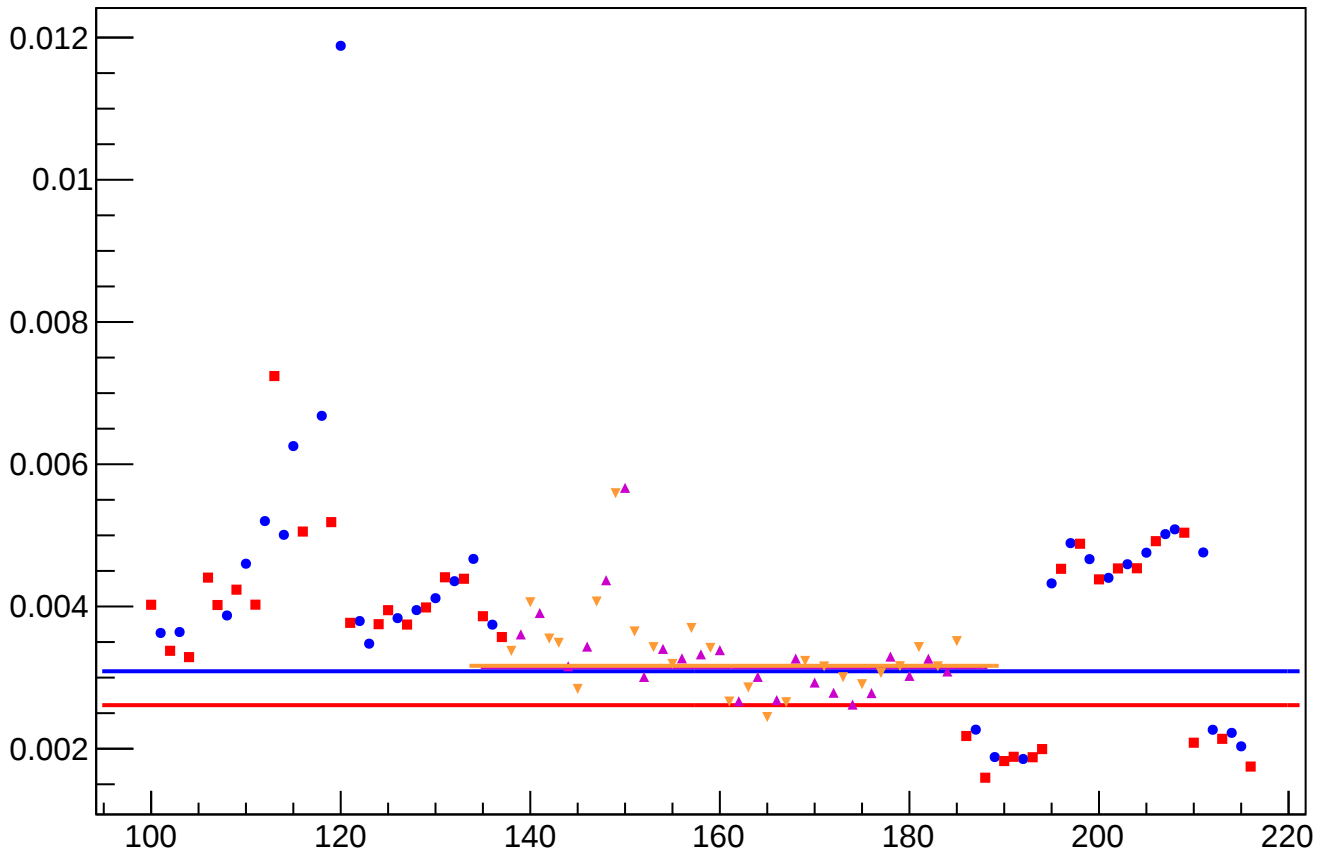
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.157+/-0.000 χ^2/NDF : 1048946202311.2/56

All: 0.071+/-0.000 χ^2/NDF : 259906182000.0

- sign -0.003+/-0.000 χ^2/NDF : 1507625384117.5/57

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4528650.2/31

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5342205.5/34

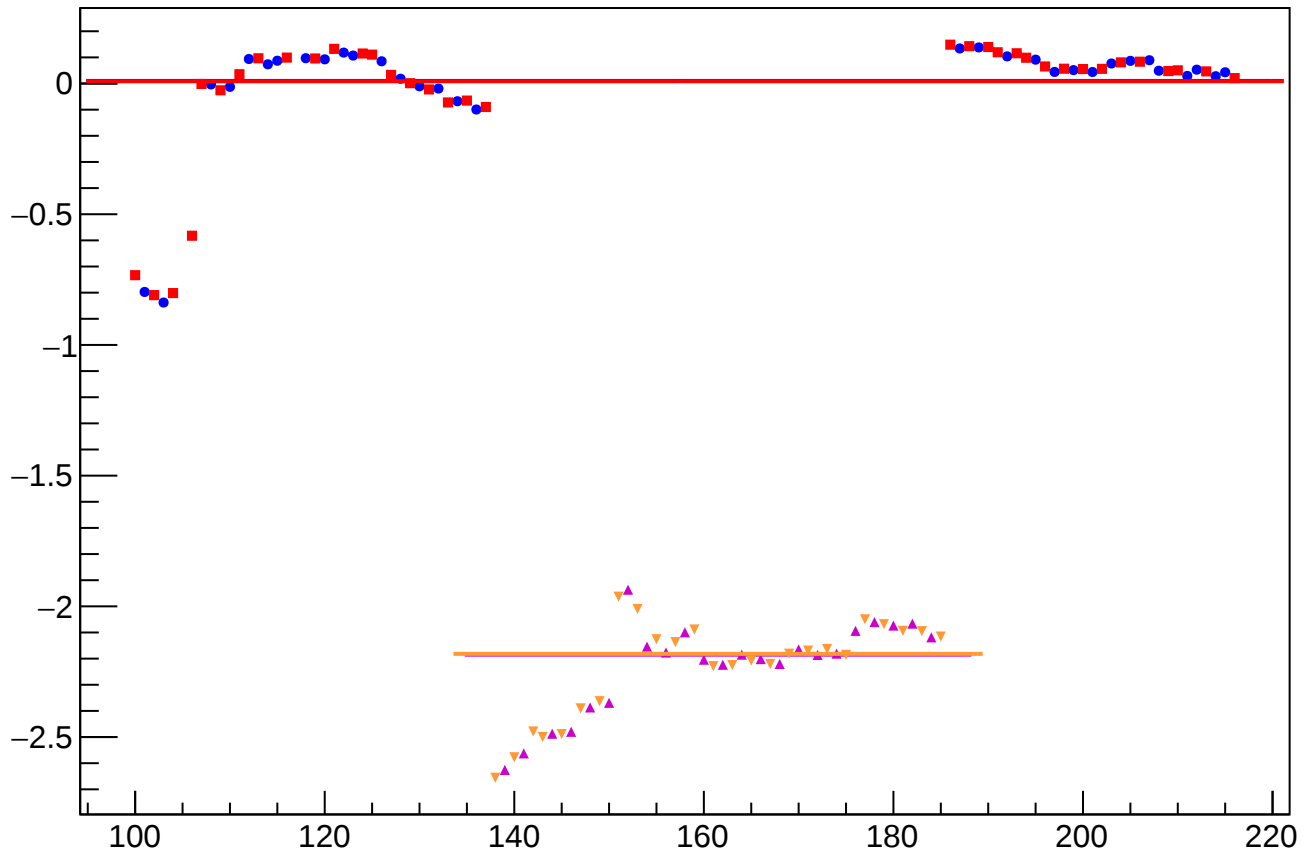
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 5282572.5/56

All: 0.003+/-0.000 χ^2/NDF : 12106879.9/114

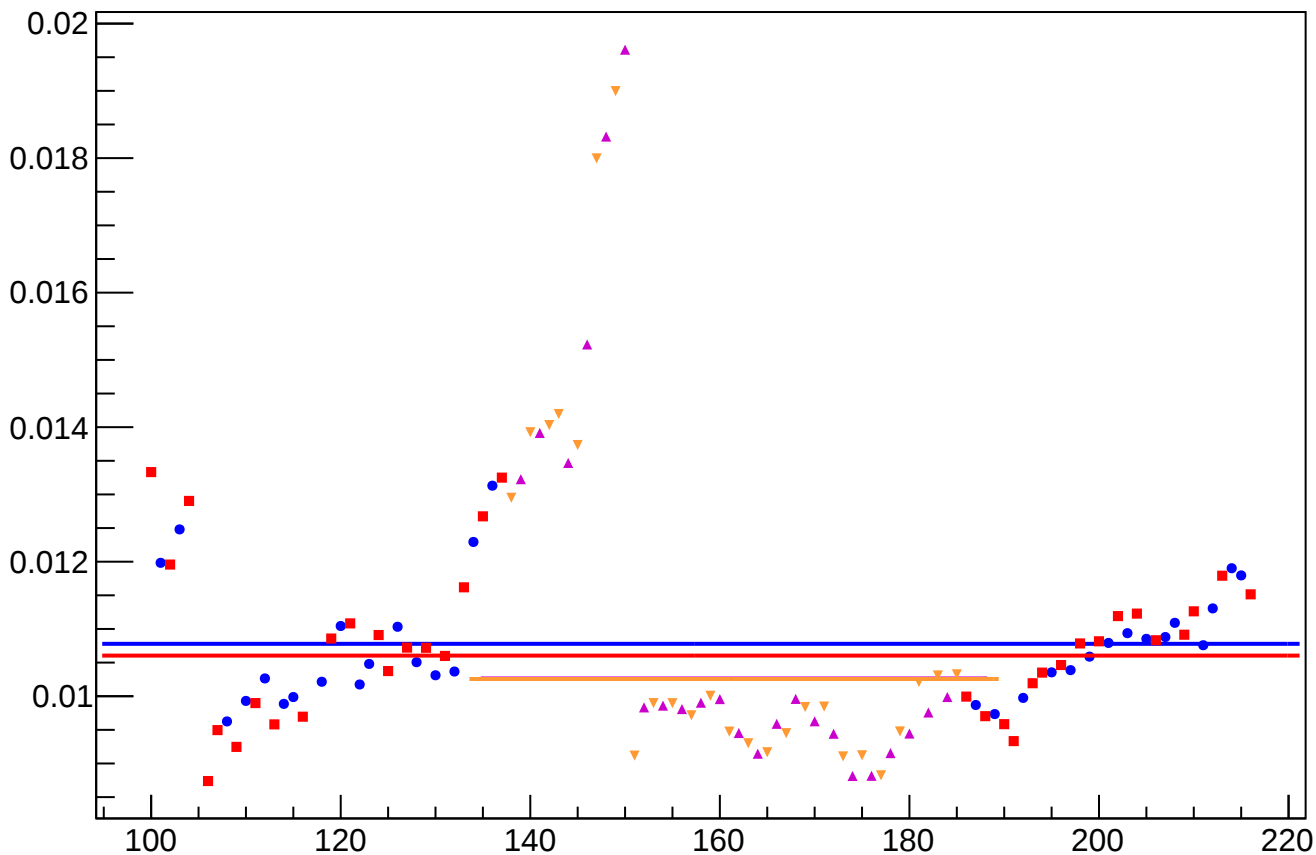
- sign 0.003+/-0.000 χ^2/NDF : 6558469.9/57

yield_bpm1i02X_mean vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 5917460731.5/31
 Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24
 Right Out: 0.009+/-0.000 χ^2/NDF : 6984183011.6/34
 Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22
 + sign -1.154+/-0.000 χ^2/NDF : 387808354720.2/56
 All: -1.121+/-0.000 χ^2/NDF : 777399662411.7
 - sign -1.088+/-0.000 χ^2/NDF : 388910579922.3/57

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 183487.6/31

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 255503.3/34

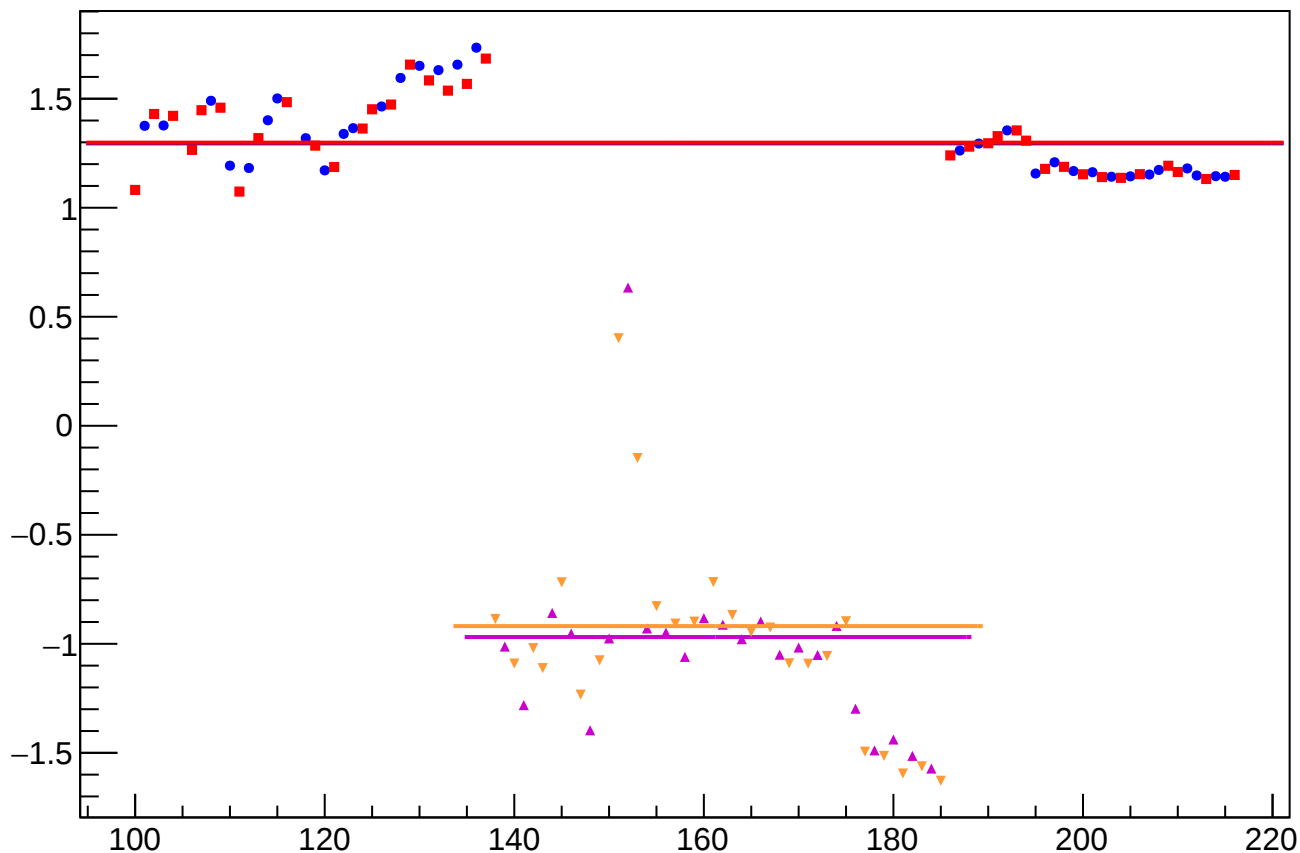
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 1497138.9/56

All: 0.010+/-0.000 χ^2/NDF : 3112474.2/114

- sign 0.010+/-0.000 χ^2/NDF : 1613915.5/57

yield_bpm1i02Y_mean vs Slug



Right In: 1.295 $\pm$ 0.000 χ^2 /NDF: 8571290019.7/31

Left Out: -0.919 $\pm$ 0.000 χ^2 /NDF: 55622252895.8/24

Right Out: 1.299 $\pm$ 0.000 χ^2 /NDF: 6711772272.0/34

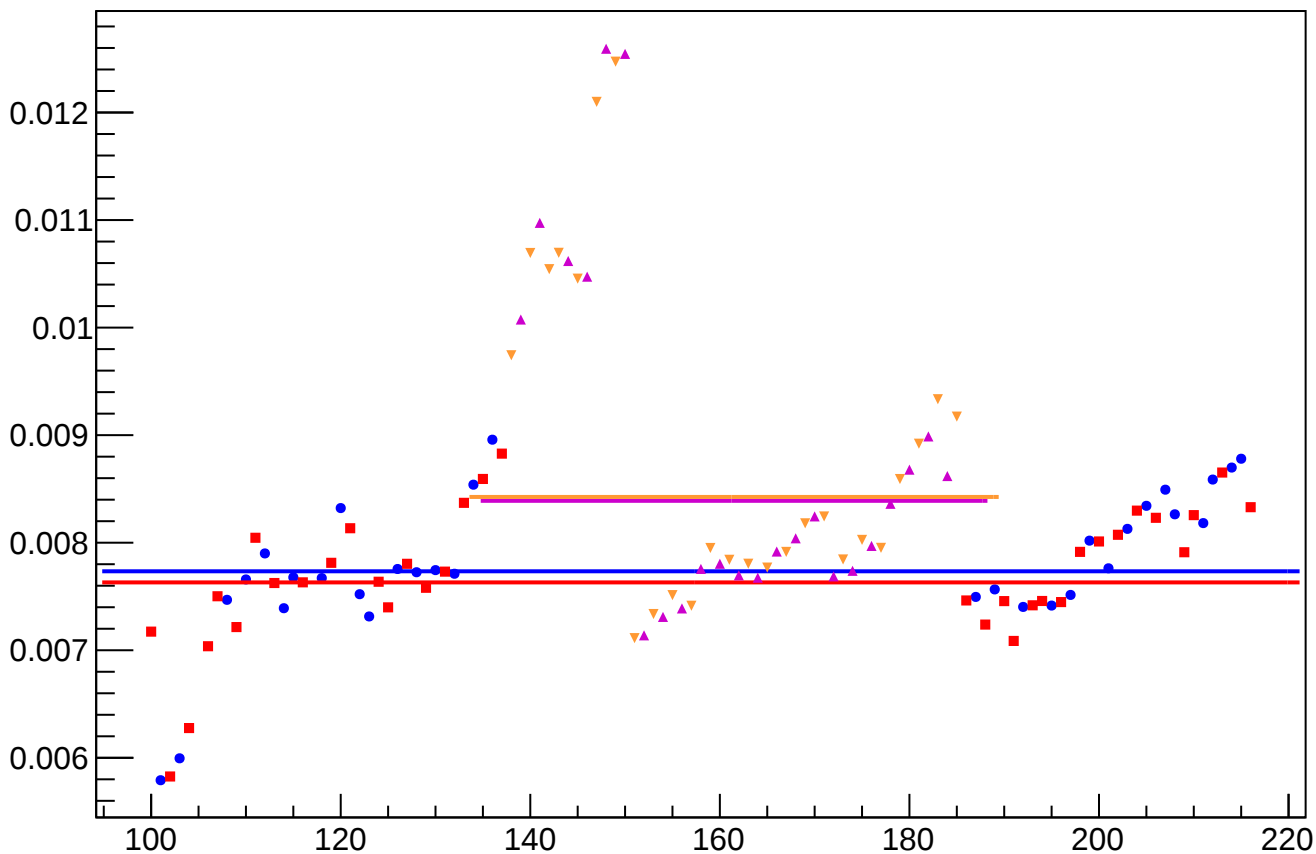
Left In: -0.969 $\pm$ 0.000 χ^2 /NDF: 54895002535.8/22

+ sign 0.259 $\pm$ 0.000 χ^2 /NDF: 721419315599.1/56

All: 0.279 $\pm$ 0.000 χ^2 /NDF: 1472581811759.

- sign 0.300 $\pm$ 0.000 χ^2 /NDF: 750692147261.2/57

yield_bpm1i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 363355.3/31

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 269388.9/34

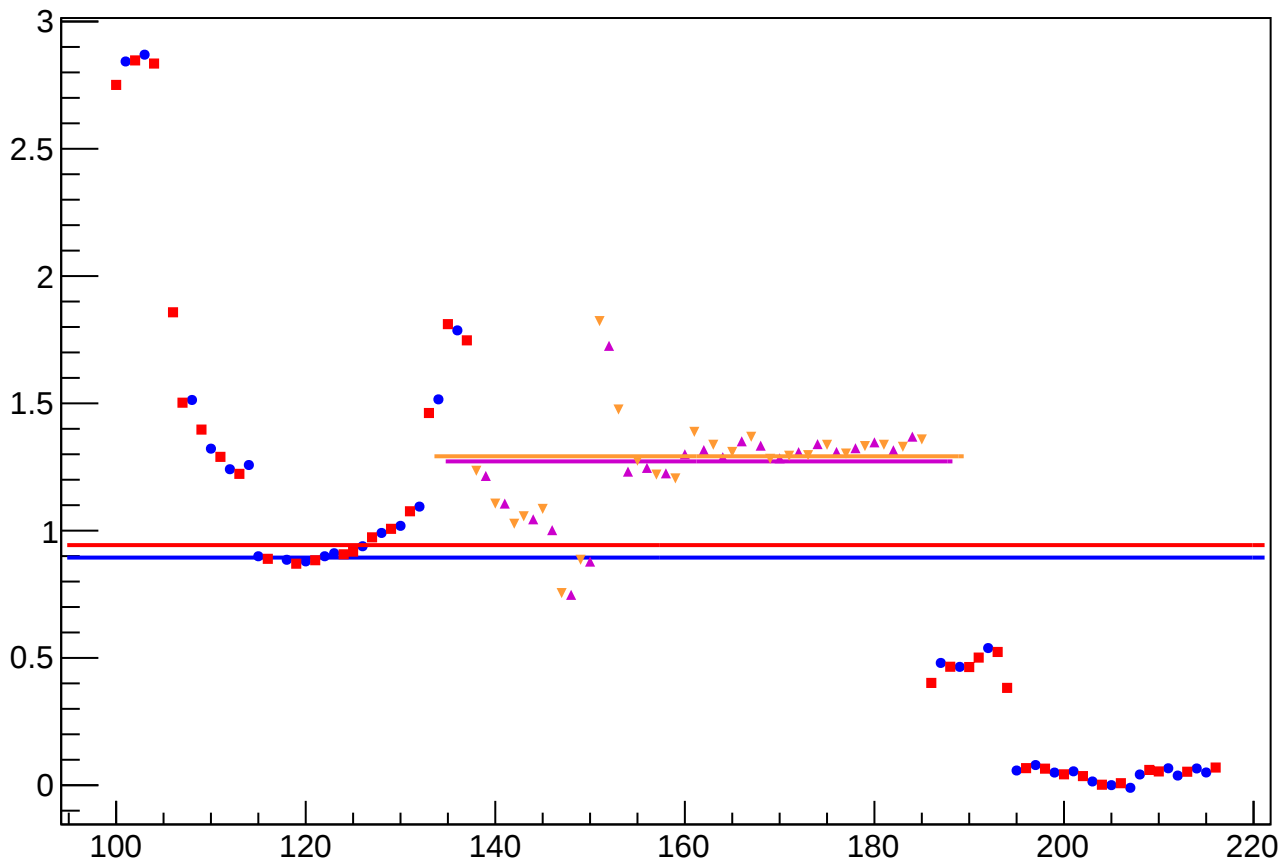
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1283834.0/56

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2552061.2/114

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1263542.0/57

yield_bpm1i04X_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF : 142507826524.3/31

Left Out: 1.292+/-0.000 χ^2/NDF : 9305298695.5/24

Right Out: 0.943+/-0.000 χ^2/NDF : 136035841485.0/34

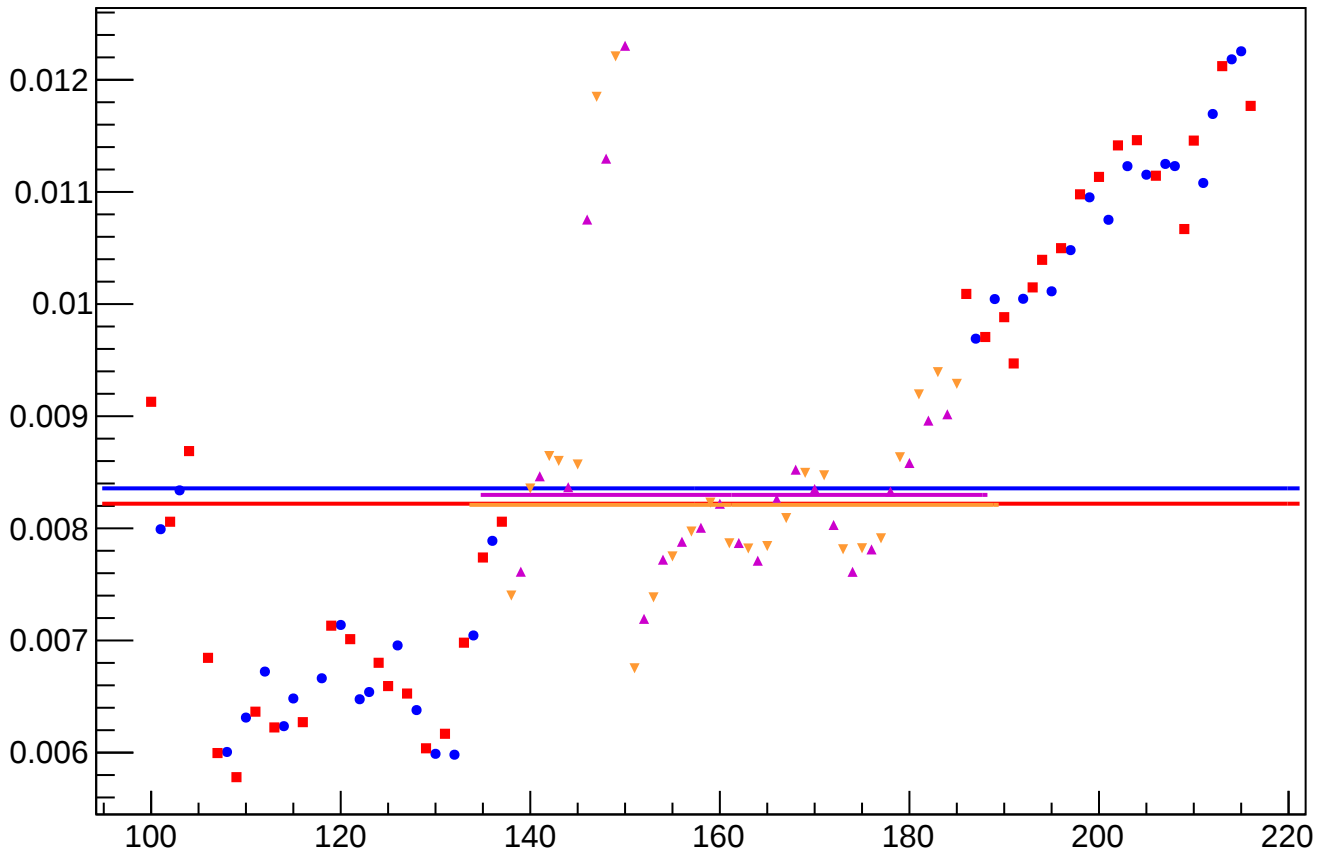
Left In: 1.272+/-0.000 χ^2/NDF : 7573930981.2/22

+ sign 1.105+/-0.000 χ^2/NDF : 171353850825.2/56

All: 1.106+/-0.000 χ^2/NDF : 328247936615.1

- sign 1.106+/-0.000 χ^2/NDF : 156893909991.3/57

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2137698.4/31

Left Out: 0.008+/-0.000 χ^2/NDF :478864.9/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2185944.1/34

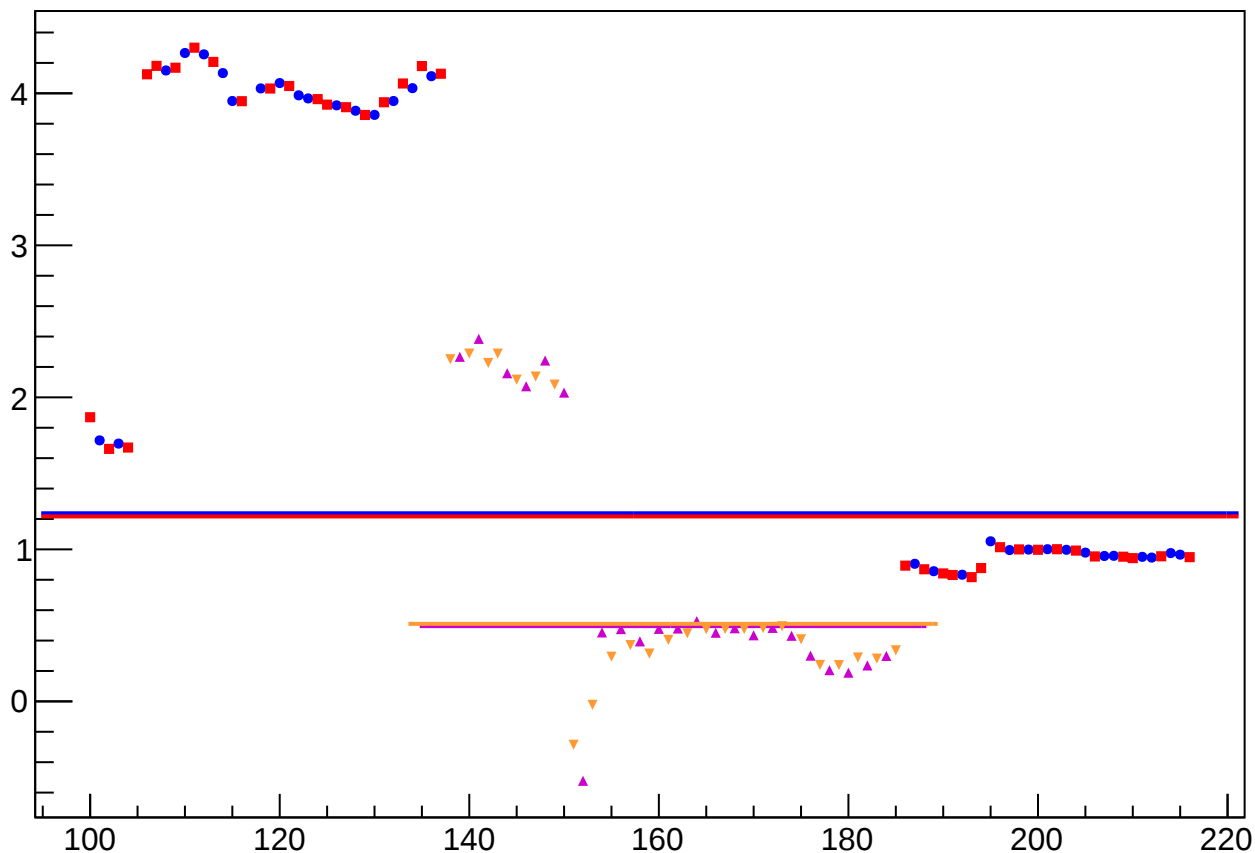
Left In: 0.008+/-0.000 χ^2/NDF :462022.1/22

+ sign 0.008+/-0.000 χ^2/NDF : 2621897.8/56

All: 0.008+/-0.000 χ^2/NDF : 5271576.9/114

- sign 0.008+/-0.000 χ^2/NDF : 2649482.9/57

yield_bpm1i04Y_mean vs Slug



Right In: 1.237 $\pm$ 0.000 χ^2 /NDF: 1533139010675.9/31

Left Out: 0.510 $\pm$ 0.000 χ^2 /NDF: 274818814912.4/24

Right Out: 1.217 $\pm$ 0.000 χ^2 /NDF: 1724213080401.8/34

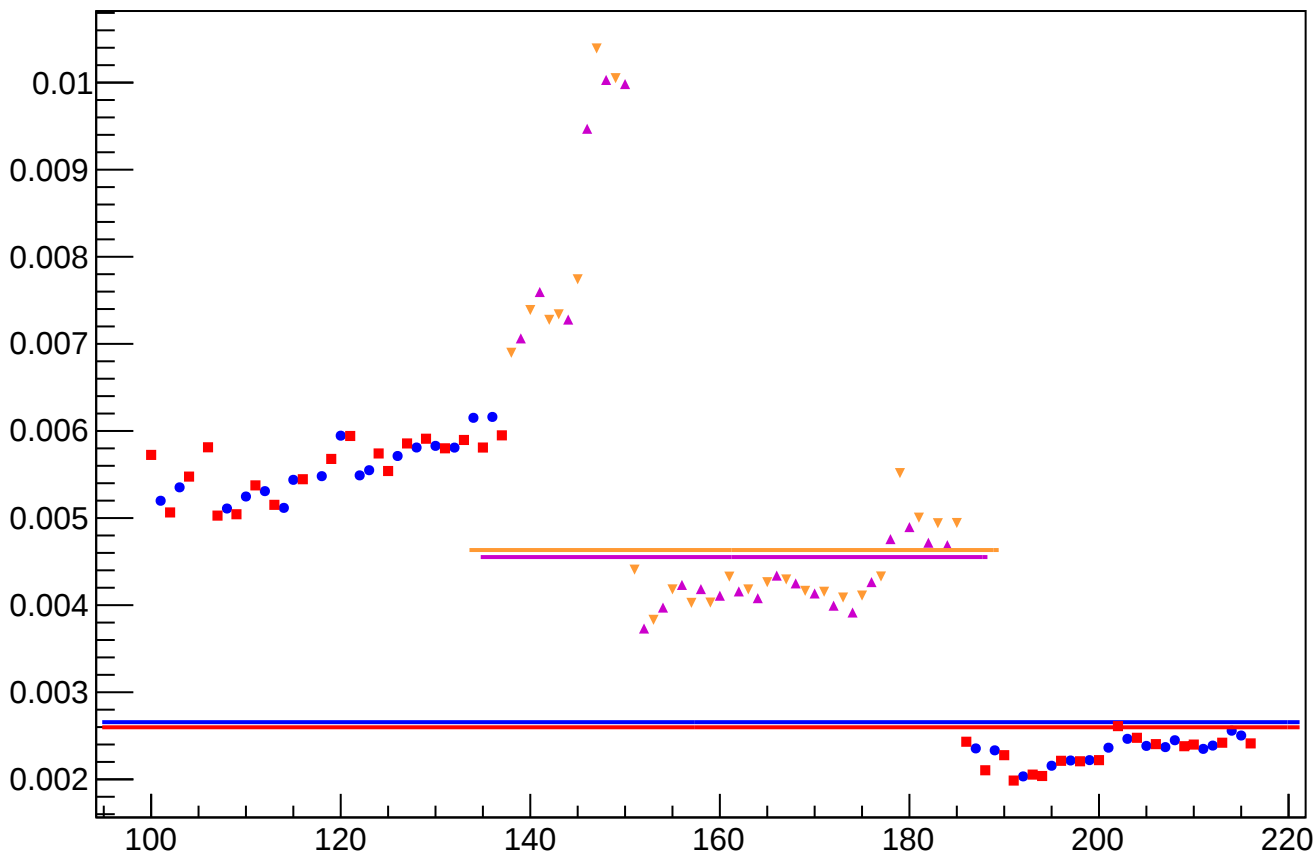
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.038 $\pm$ 0.000 χ^2 /NDF: 2106145375214.1/56

All: 1.034 $\pm$ 0.000 χ^2 /NDF: 4392563688607.

- sign 1.031 $\pm$ 0.000 χ^2 /NDF: 2286356887231.3/57

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4190984.2/31

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4481671.1/34

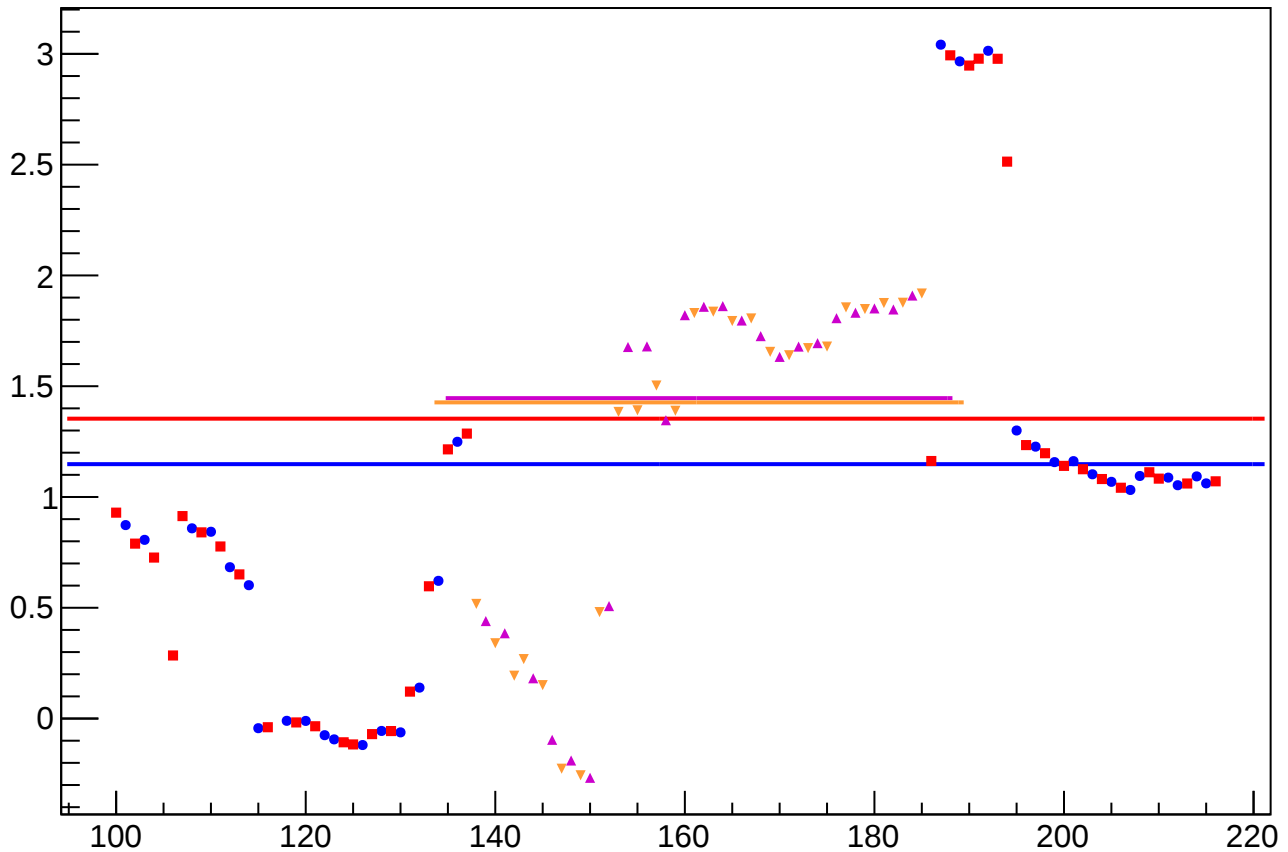
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 10708046.2/56

All: 0.003+/-0.000 χ^2/NDF : 21758580.8/114

- sign 0.003+/-0.000 χ^2/NDF : 11022187.4/57

yield_bpm1i06X_mean vs Slug



Right In: 1.148 $\pm$ 0.000 χ^2 /NDF: 72900934801.1/31

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.353 $\pm$ 0.000 χ^2 /NDF: 101469699723.4/34

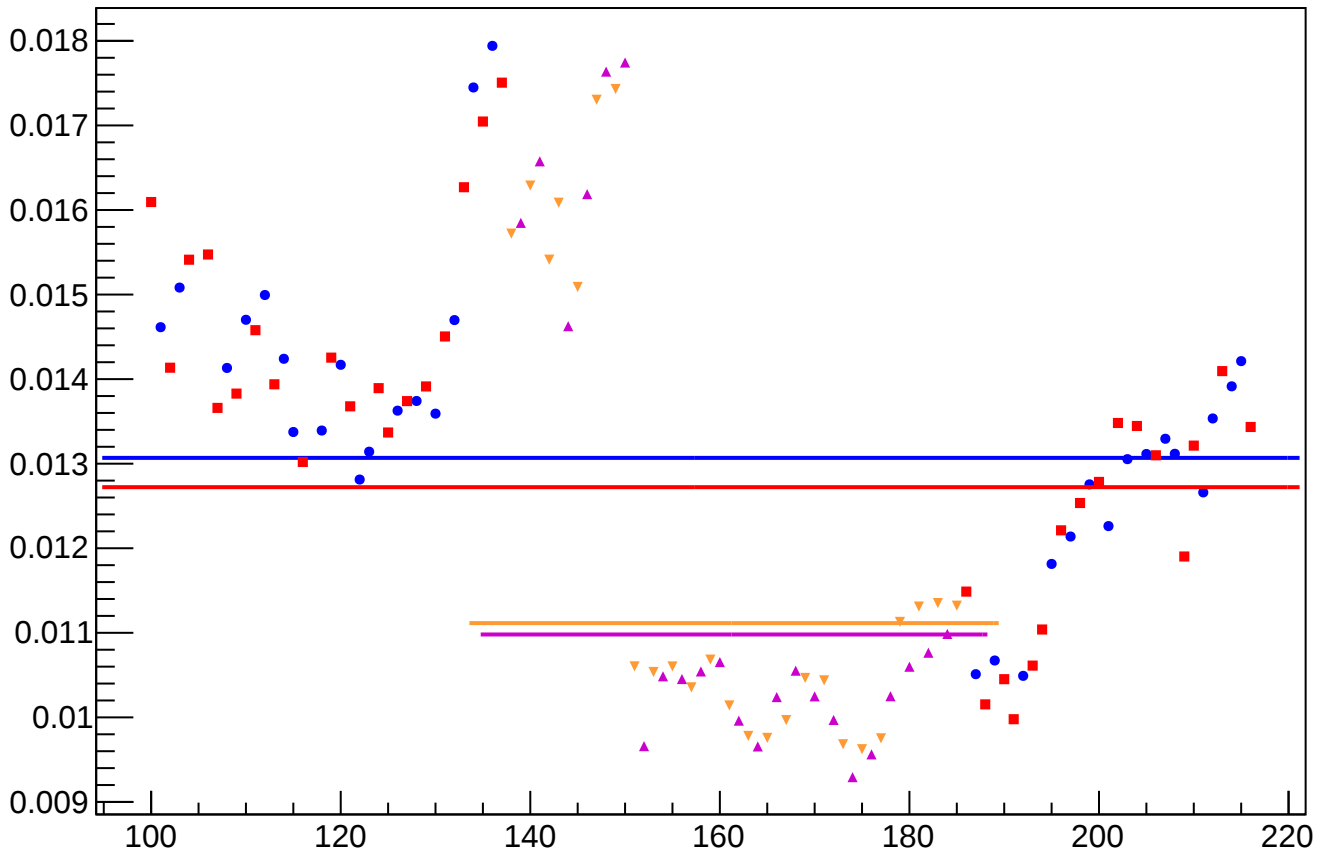
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.312 $\pm$ 0.000 χ^2 /NDF: 127440628653.8/56

All: 1.359 $\pm$ 0.000 χ^2 /NDF: 284237130954.8

- sign 1.406 $\pm$ 0.000 χ^2 /NDF: 155738717050.0/57

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 454872.1/31

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 587019.4/34

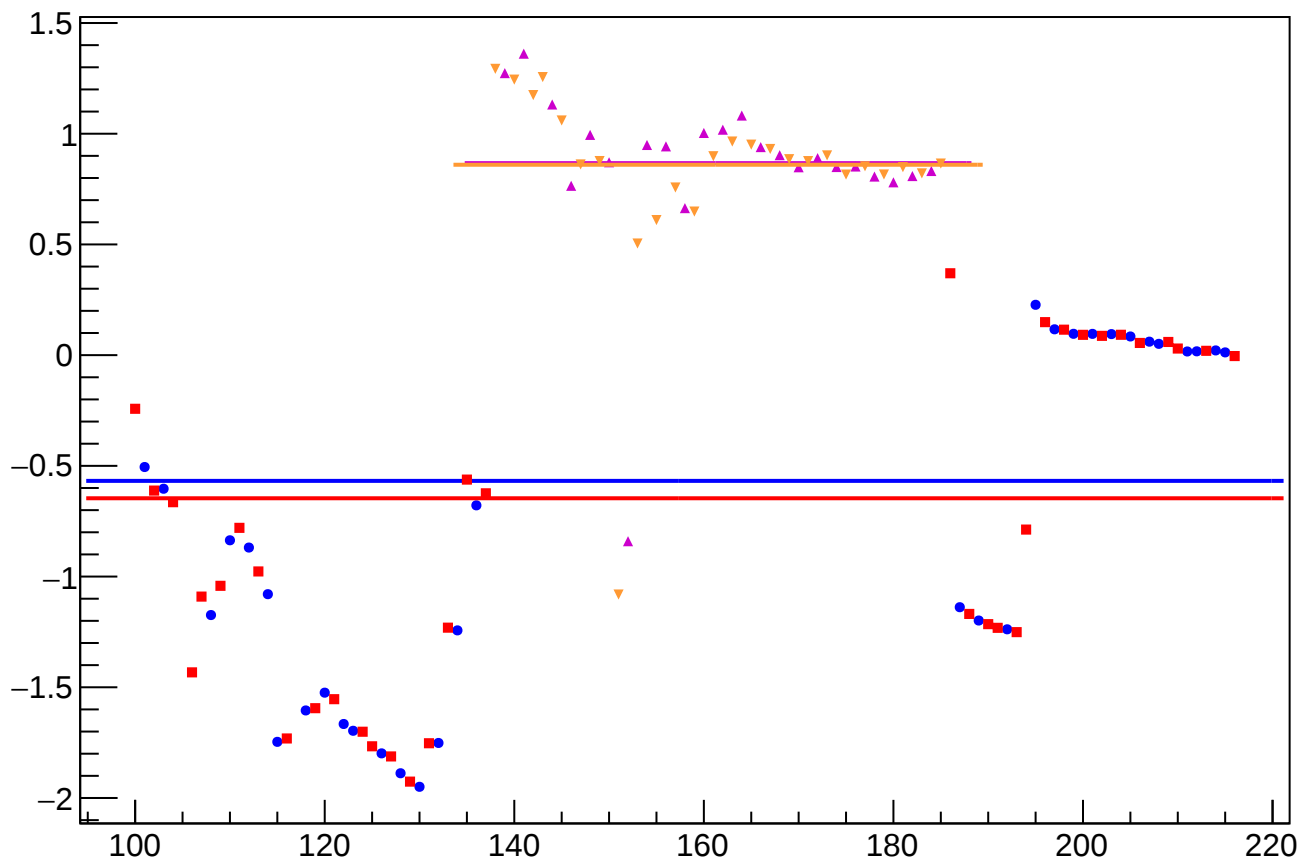
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 2129320.5/56

All: 0.012+/-0.000 χ^2/NDF : 4354012.2/114

- sign 0.012+/-0.000 χ^2/NDF : 2217222.3/57

yield_bpm1i06Y_mean vs Slug



Right In: -0.568+/-0.000 χ^2/NDF : 199281457721.3/31

Left Out: 0.860+/-0.000 χ^2/NDF : 126335891175.4/24

Right Out: -0.646+/-0.000 χ^2/NDF : 185194980197.6/34

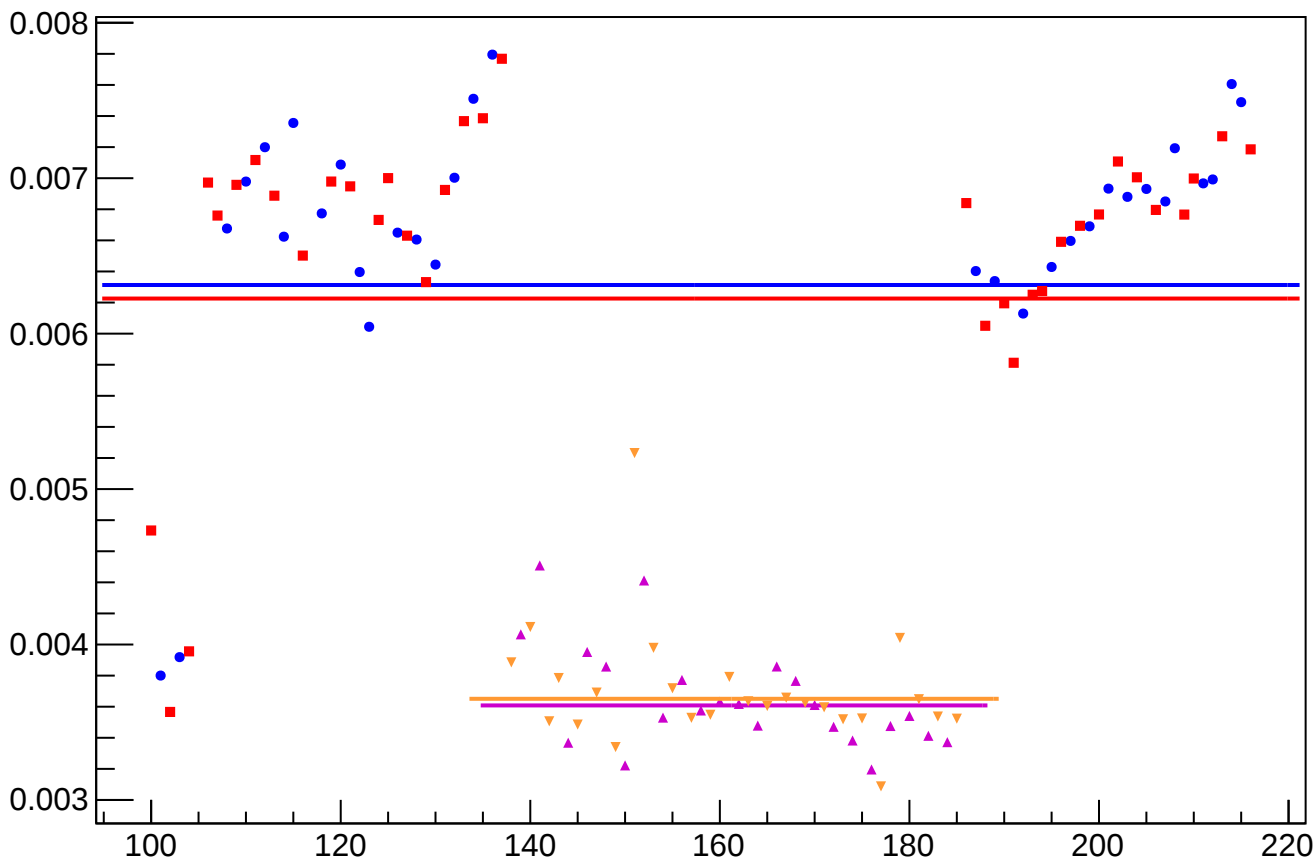
Left In: 0.867+/-0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.512+/-0.000 χ^2/NDF : 947383635590.0/56

All: 0.493+/-0.000 χ^2/NDF : 2001138601122.

- sign 0.473+/-0.000 χ^2/NDF : 1052473123315.1/57

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1139958.3/31

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1176360.4/34

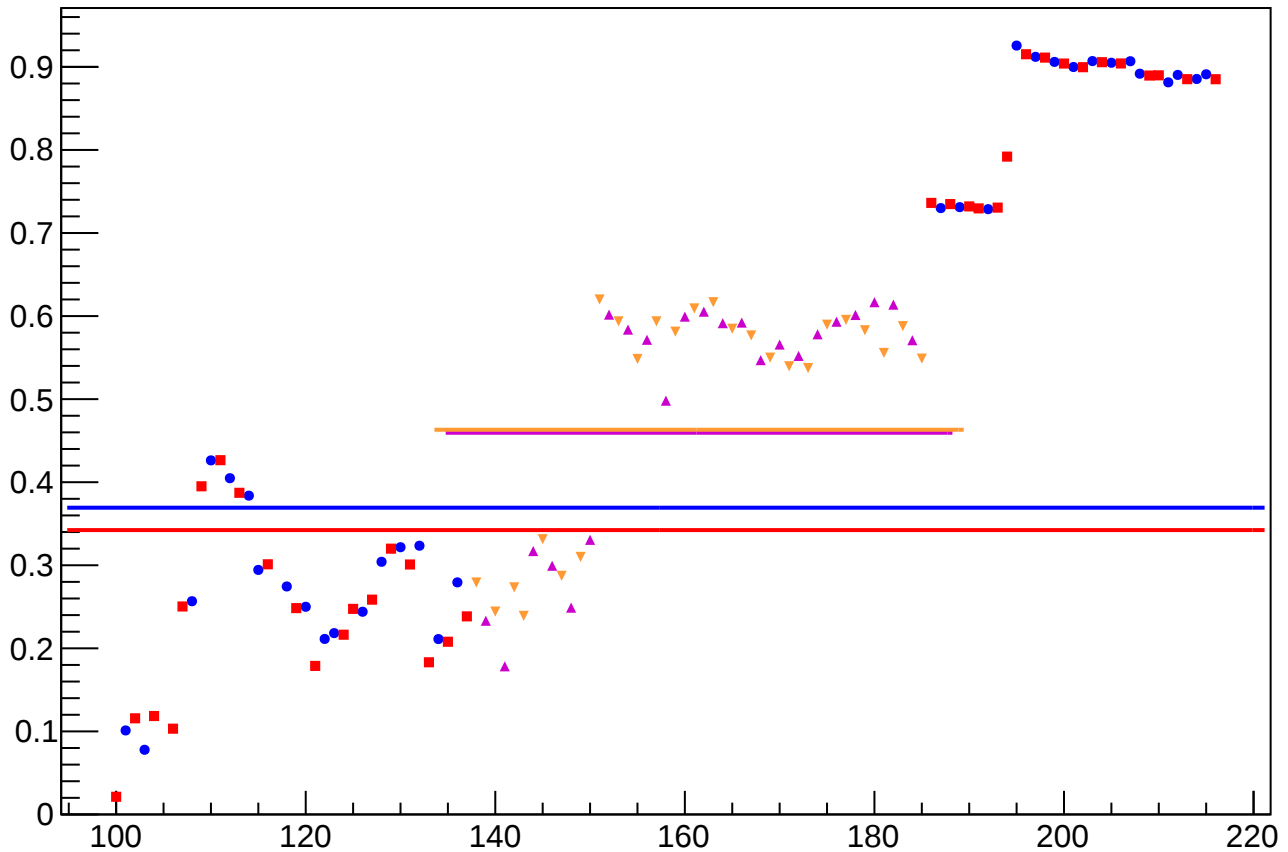
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5700658.6/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 11413419.4/114

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5712635.6/57

yield_bpm2i01X_mean vs Slug



Right In: 0.369 $\pm$ 0.000 χ^2 /NDF: 194529685053.0/31

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF: 102506270538.7/24

Right Out: 0.342 $\pm$ 0.000 χ^2 /NDF: 201884894773.5/34

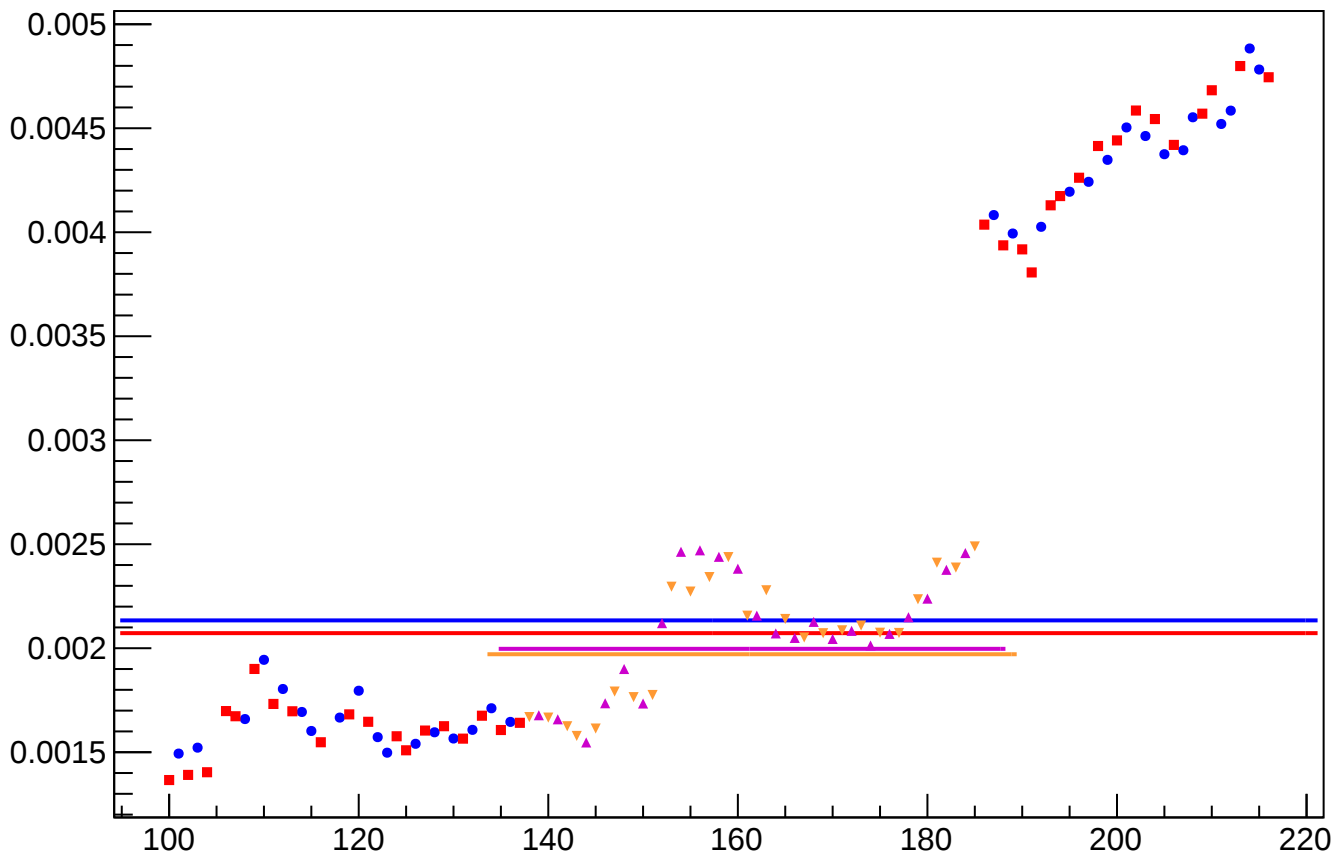
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF: 104559088628.4/22

+ sign 0.426 $\pm$ 0.000 χ^2 /NDF: 312977315419.3/56

All: 0.417 $\pm$ 0.000 χ^2 /NDF: 645976287081.2

- sign 0.408 $\pm$ 0.000 χ^2 /NDF: 331773191081.0/57

yield_bpm2i01X_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 6975124.5/31

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:730203.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 7242919.5/34

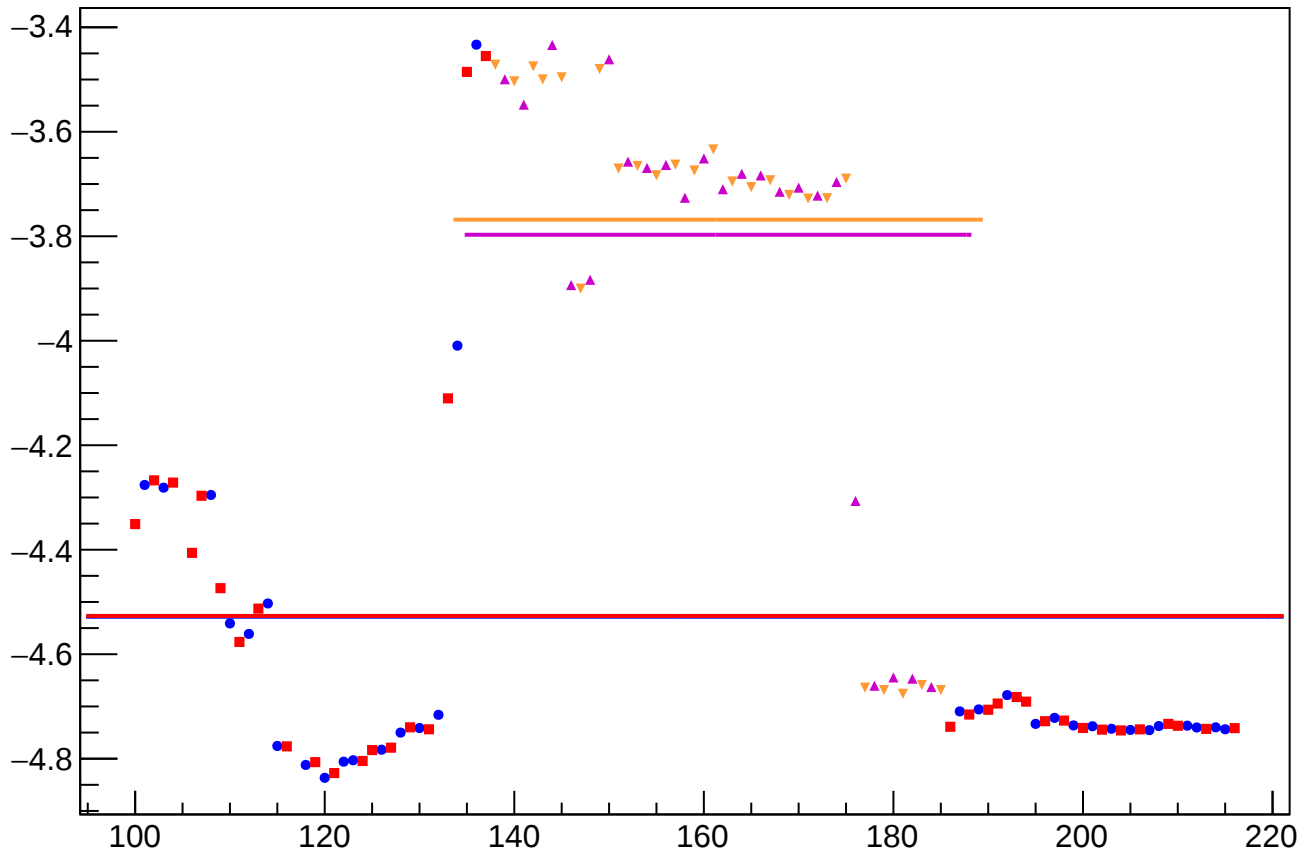
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:666404.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7801190.4/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 15731680.2/114

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7930302.3/57

yield_bpm2i01Y_mean vs Slug



Right In: -4.528+/-0.000 χ^2/NDF : 446666877567.0/31

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.527+/-0.000 χ^2/NDF : 381211055314.7/34

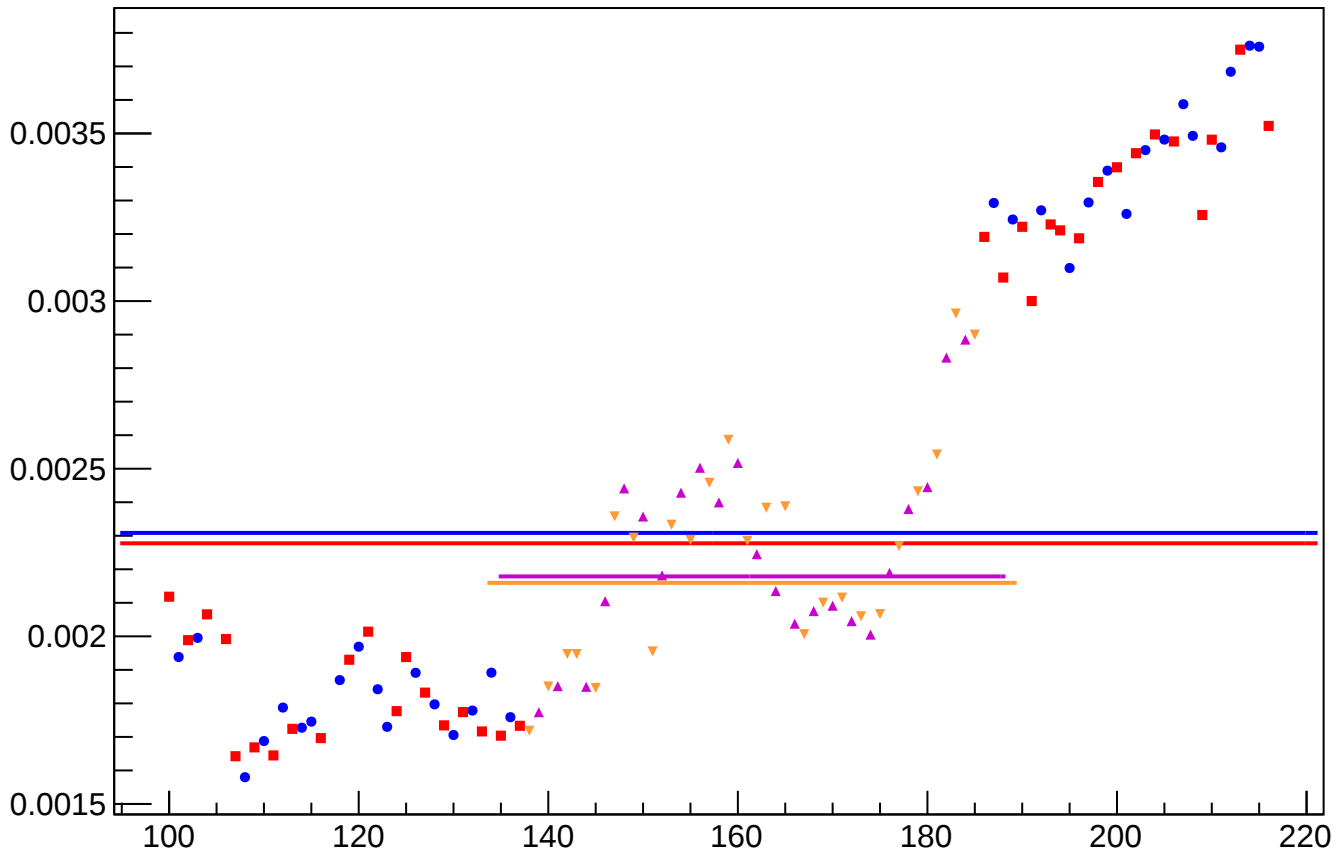
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.096+/-0.000 χ^2/NDF : 1914302573854.6/5

All: -4.116+/-0.000 χ^2/NDF : 3625493075750

- sign -4.137+/-0.000 χ^2/NDF : 1705739462252.0/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3364855.7/31

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:547831.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3262649.5/34

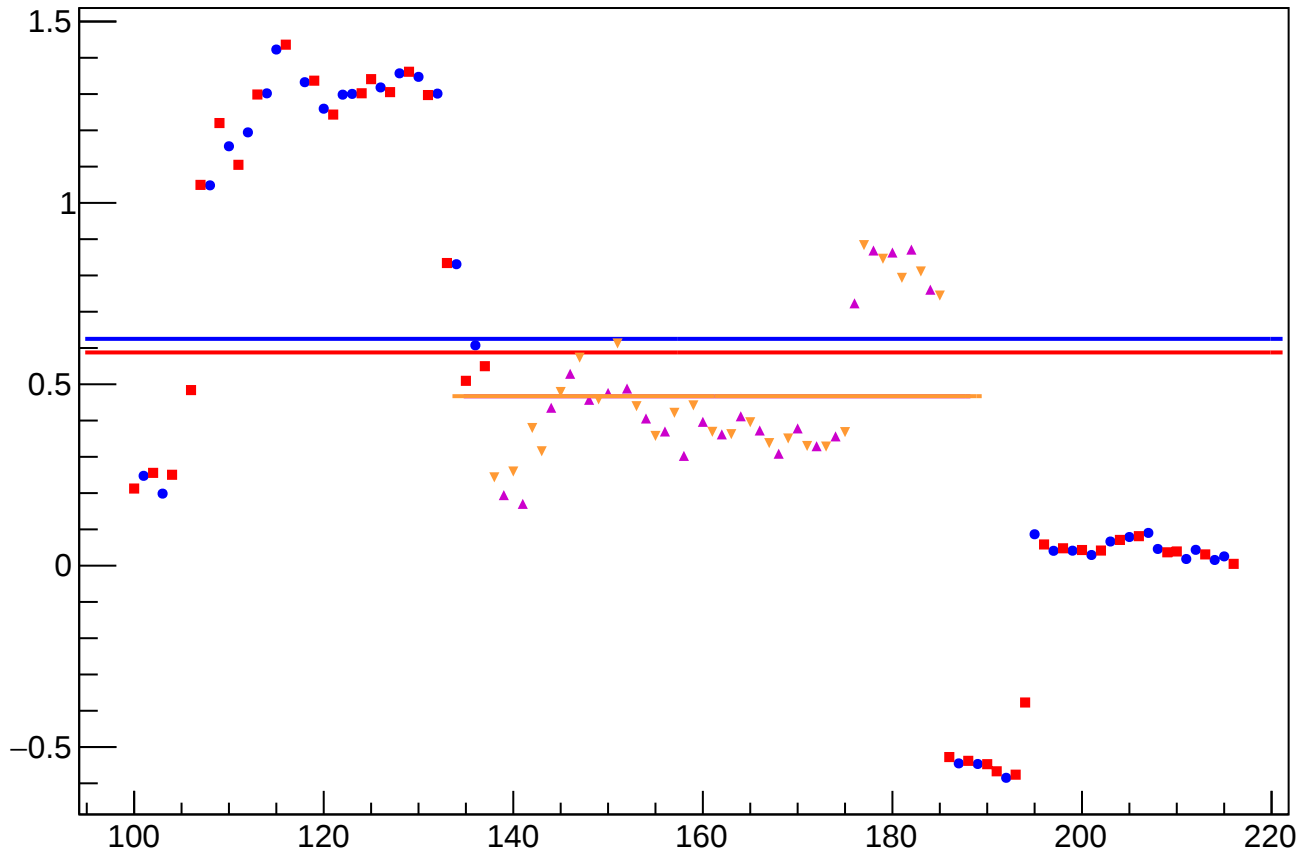
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3985679.3/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7743866.7/114

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3758183.4/57

yield_bpm2i02X_mean vs Slug



Right In: 0.625 $\pm$ 0.000 χ^2 /NDF: 84950563791.8/31

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

Right Out: 0.588 $\pm$ 0.000 χ^2 /NDF: 102226580485.9/34

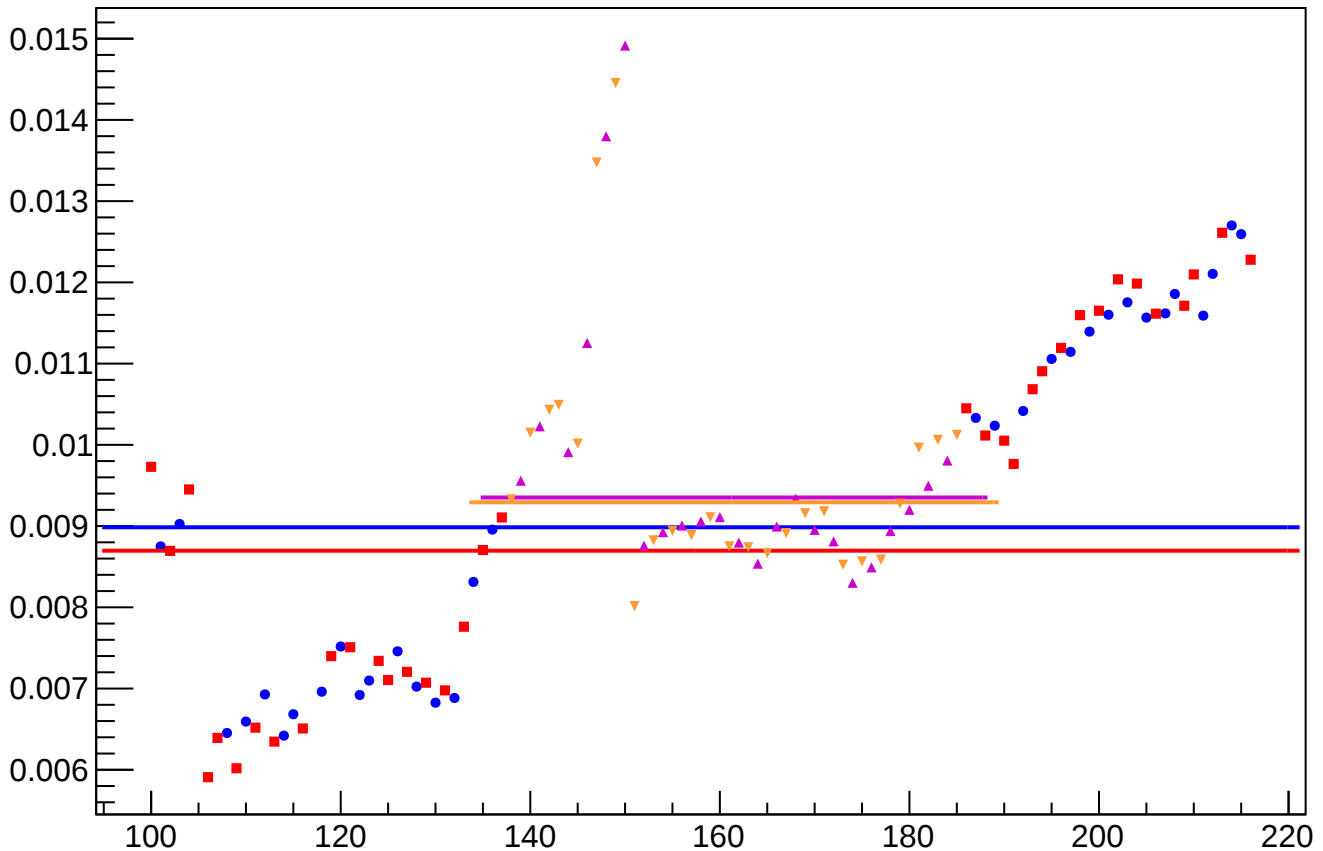
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

+ sign 0.545 $\pm$ 0.000 χ^2 /NDF: 94878139652.4/56

All: 0.538 $\pm$ 0.000 χ^2 /NDF: 206693422501.2

- sign 0.531 $\pm$ 0.000 χ^2 /NDF: 111775983691.0/57

yield_bpm2i02X_rms vs Slug



Right In: 0.009 ± 0.000 χ^2/NDF : 1889531.4/31

Left Out: 0.009 ± 0.000 χ^2/NDF : 528279.5/24

Right Out: 0.009 ± 0.000 χ^2/NDF : 2178530.6/34

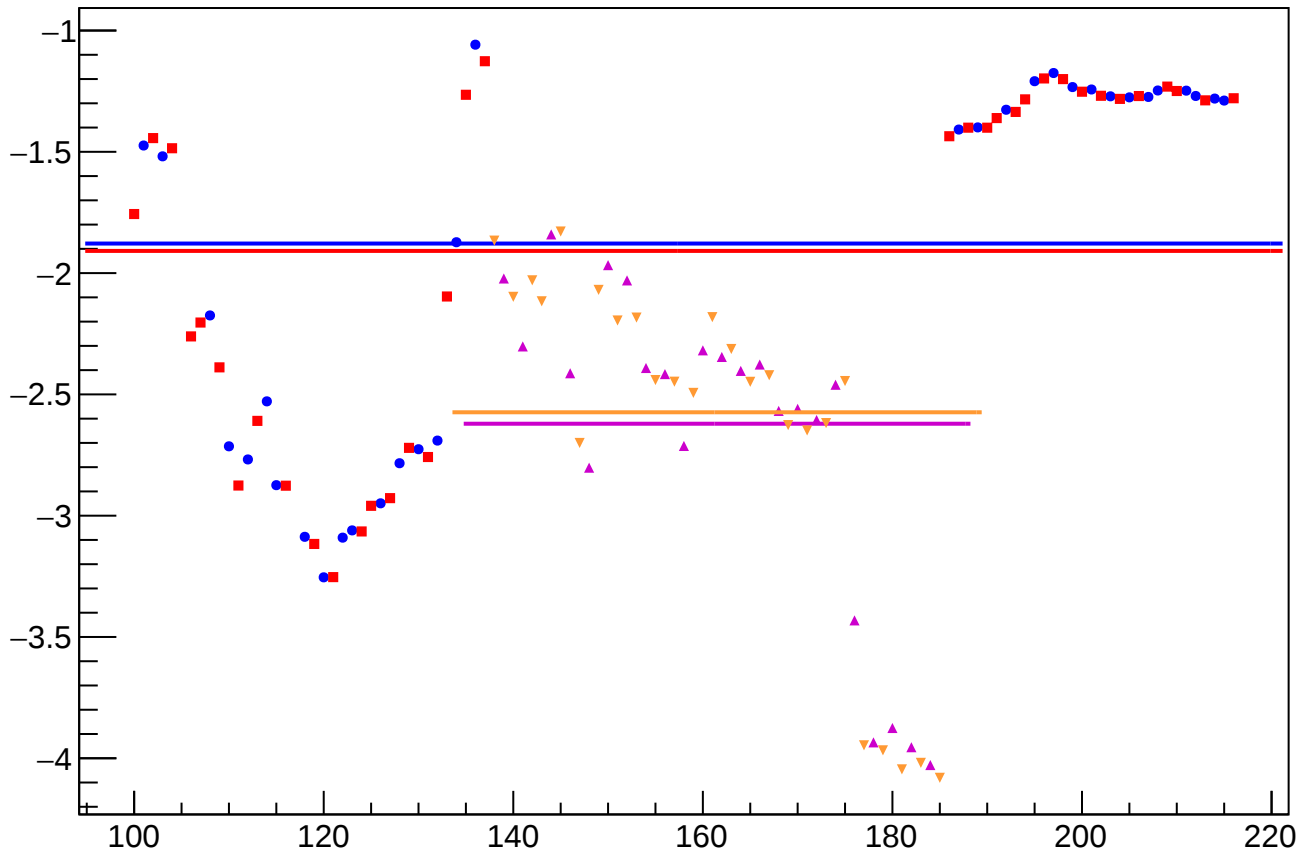
Left In: 0.009 ± 0.000 χ^2/NDF : 557555.2/22

+ sign 0.009 ± 0.000 χ^2/NDF : 2437276.5/56

All: 0.009 ± 0.000 χ^2/NDF : 5269937.3/114

- sign 0.009 ± 0.000 χ^2/NDF : 2824774.4/57

yield_bpm2i02Y_mean vs Slug



Right In: -1.878+/-0.000 χ^2 /NDF: 136535365291.9/31

Left Out: -2.574+/-0.000 χ^2 /NDF: 99176112704.9/24

Right Out: -1.908+/-0.000 χ^2 /NDF: 132996167935.1/34

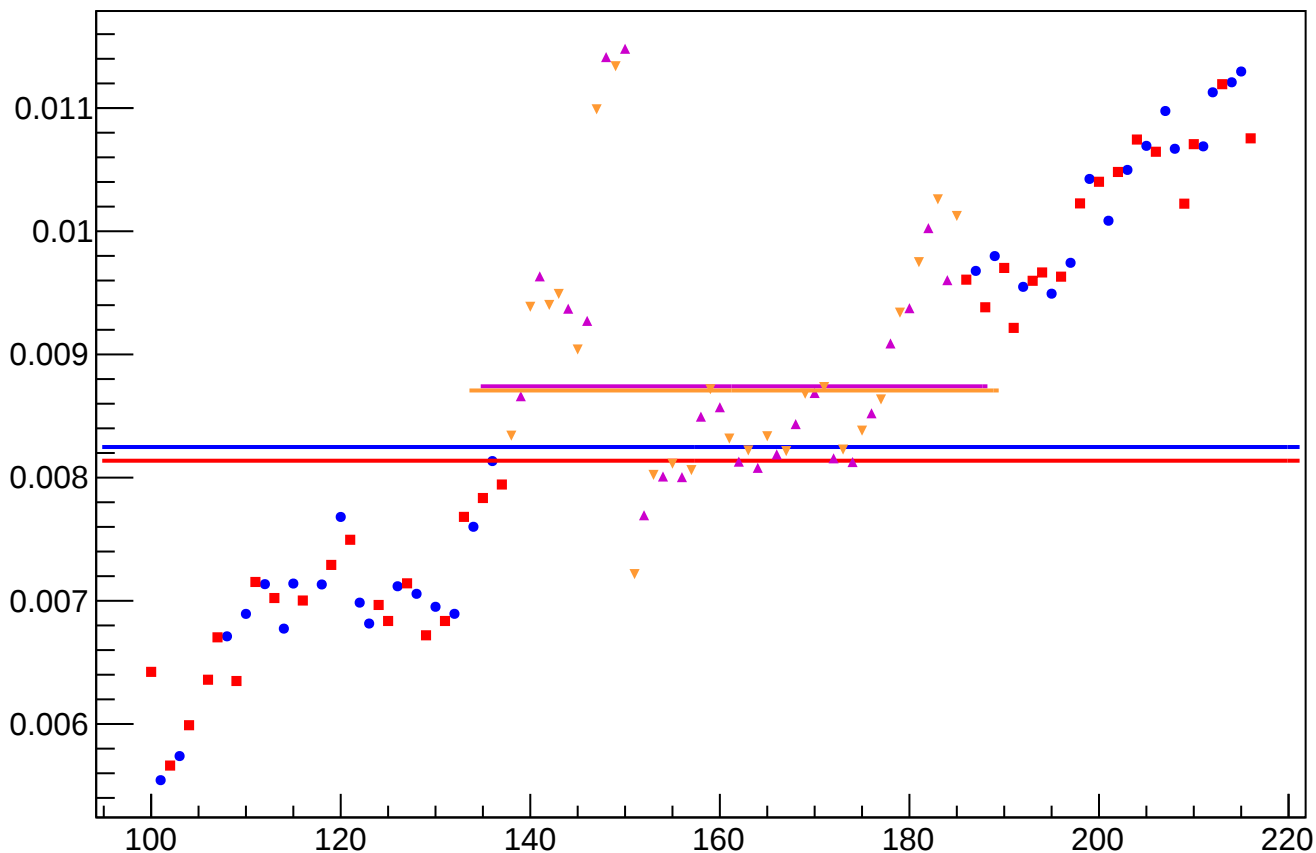
Left In: -2.621+/-0.000 χ^2 /NDF: 80862402796.4/22

+ sign -2.224+/-0.000 χ^2 /NDF: 294013925258.1/56

All: -2.232+/-0.000 χ^2 /NDF: 568873675712.5

- sign -2.239+/-0.000 χ^2 /NDF: 274801372715.6/57

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1732329.1/31

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1594054.9/34

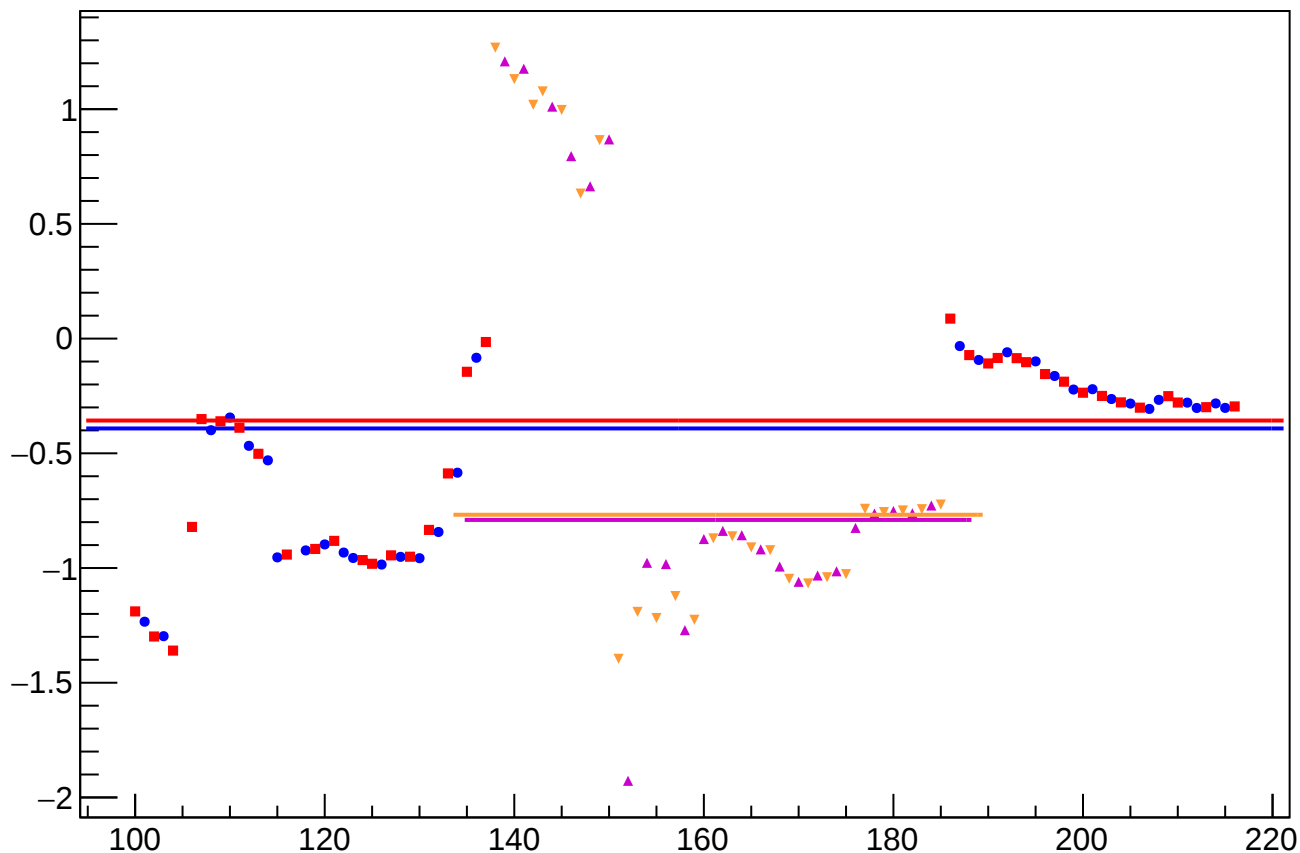
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 2152467.4/56

All: 0.008+/-0.000 χ^2/NDF : 4189528.7/114

- sign 0.008+/-0.000 χ^2/NDF : 2035393.9/57

yield_bpm0i01X_mean vs Slug



Right In: -0.392+/-0.000 χ^2/NDF : 23058993113.1/31

Left Out: -0.768+/-0.000 χ^2/NDF :120774855982.9/24

Right Out: -0.357+/-0.000 χ^2/NDF : 25346722269.4/34

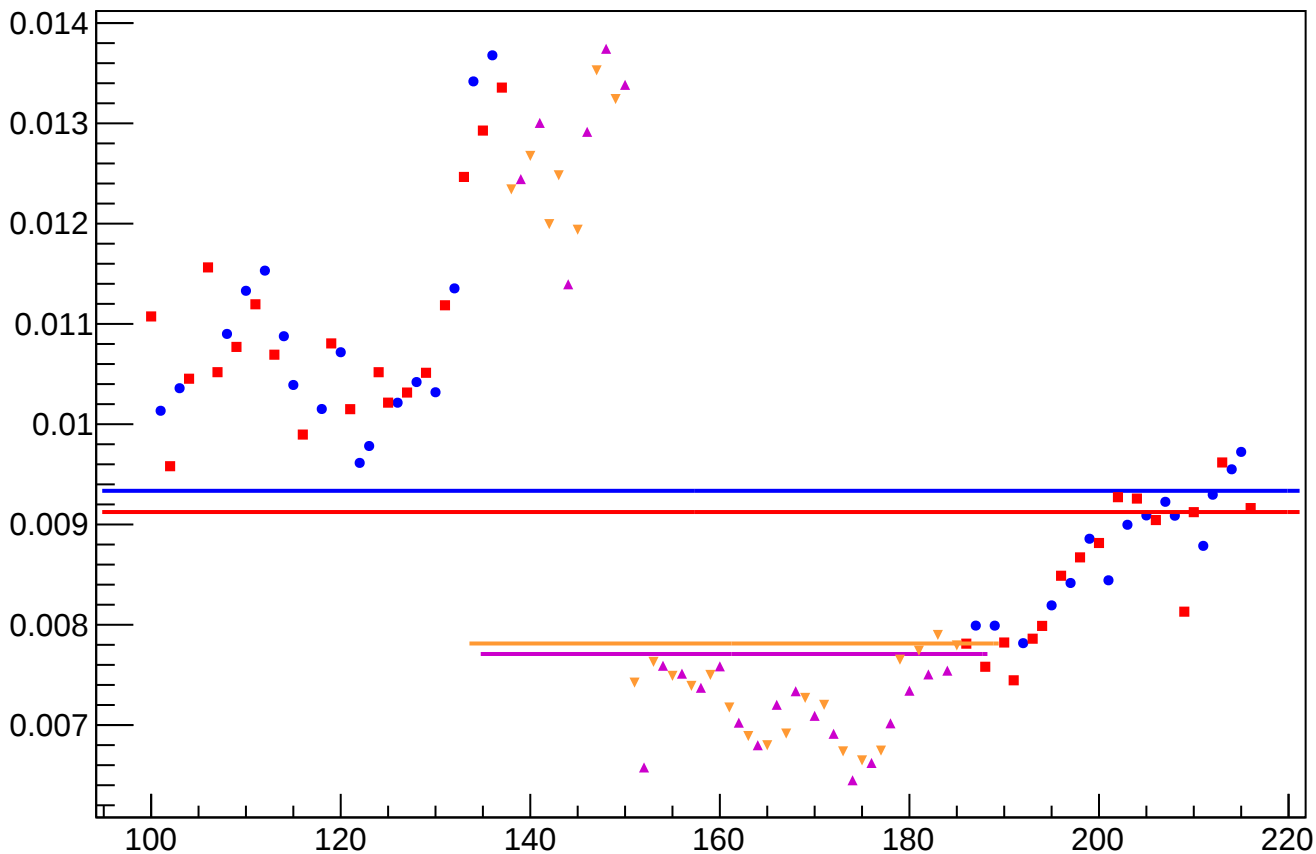
Left In: -0.790+/-0.000 χ^2/NDF :123452478408.2/22

+ sign -0.615+/-0.000 χ^2/NDF : 160061527504.2/56

All: -0.609+/-0.000 χ^2/NDF : 330968715358.3

- sign -0.603+/-0.000 χ^2/NDF : 170875103899.5/57

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 $\chi^2/\text{NDF}: 550680.6/31$

Left Out: 0.008+/-0.000 $\chi^2/\text{NDF}: 1705997.6/24$

Right Out: 0.009+/-0.000 $\chi^2/\text{NDF}: 654324.7/34$

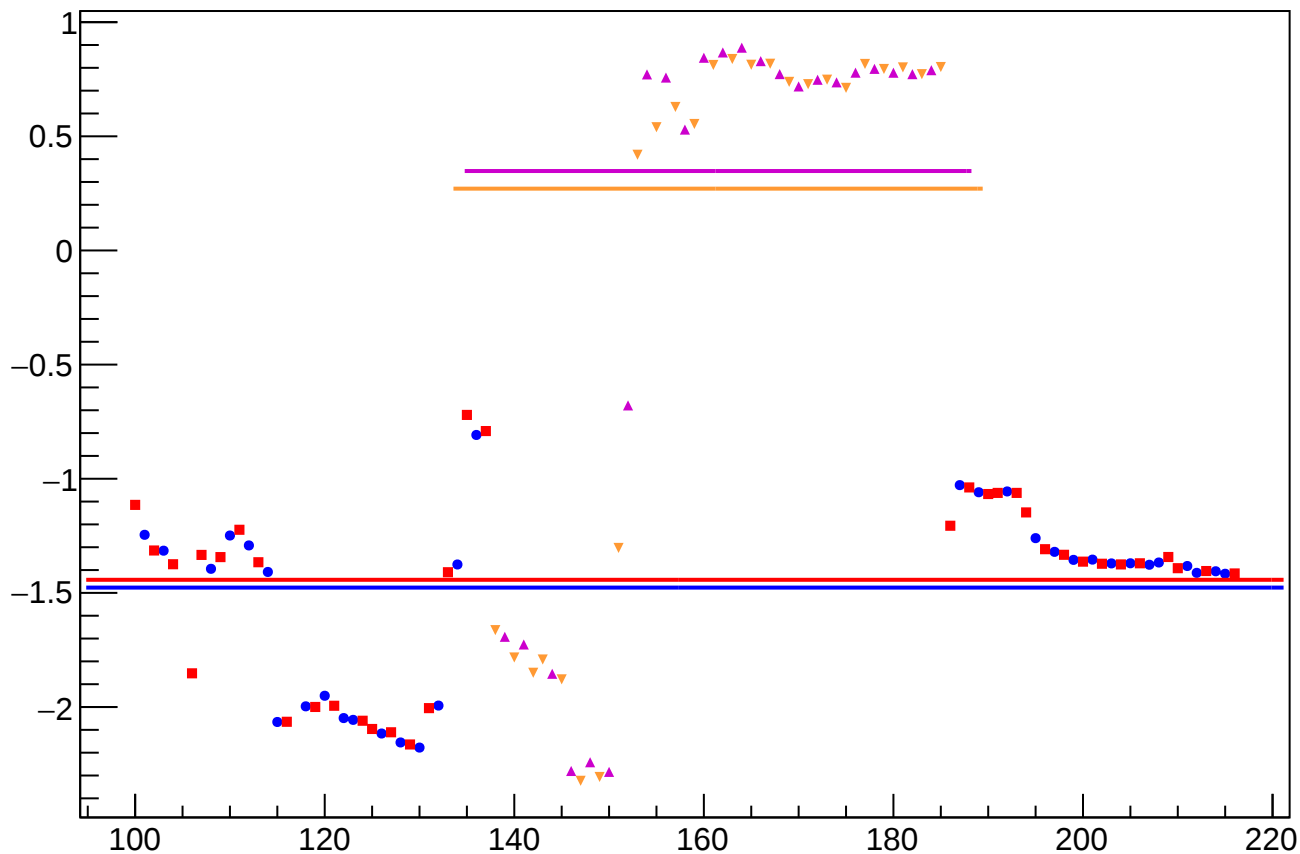
Left In: 0.008+/-0.000 $\chi^2/\text{NDF}: 1746653.6/22$

+ sign 0.008+/-0.000 $\chi^2/\text{NDF}: 2788328.1/56$

All: 0.008+/-0.000 $\chi^2/\text{NDF}: 5666788.7/114$

- sign 0.008+/-0.000 $\chi^2/\text{NDF}: 2872432.2/57$

yield_bpm0i01Y_mean vs Slug



Right In: -1.477 ± 0.000 χ^2/NDF : 175206639061.9/31

Left Out: 0.271 ± 0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.443 ± 0.000 χ^2/NDF : 164568149306.0/34

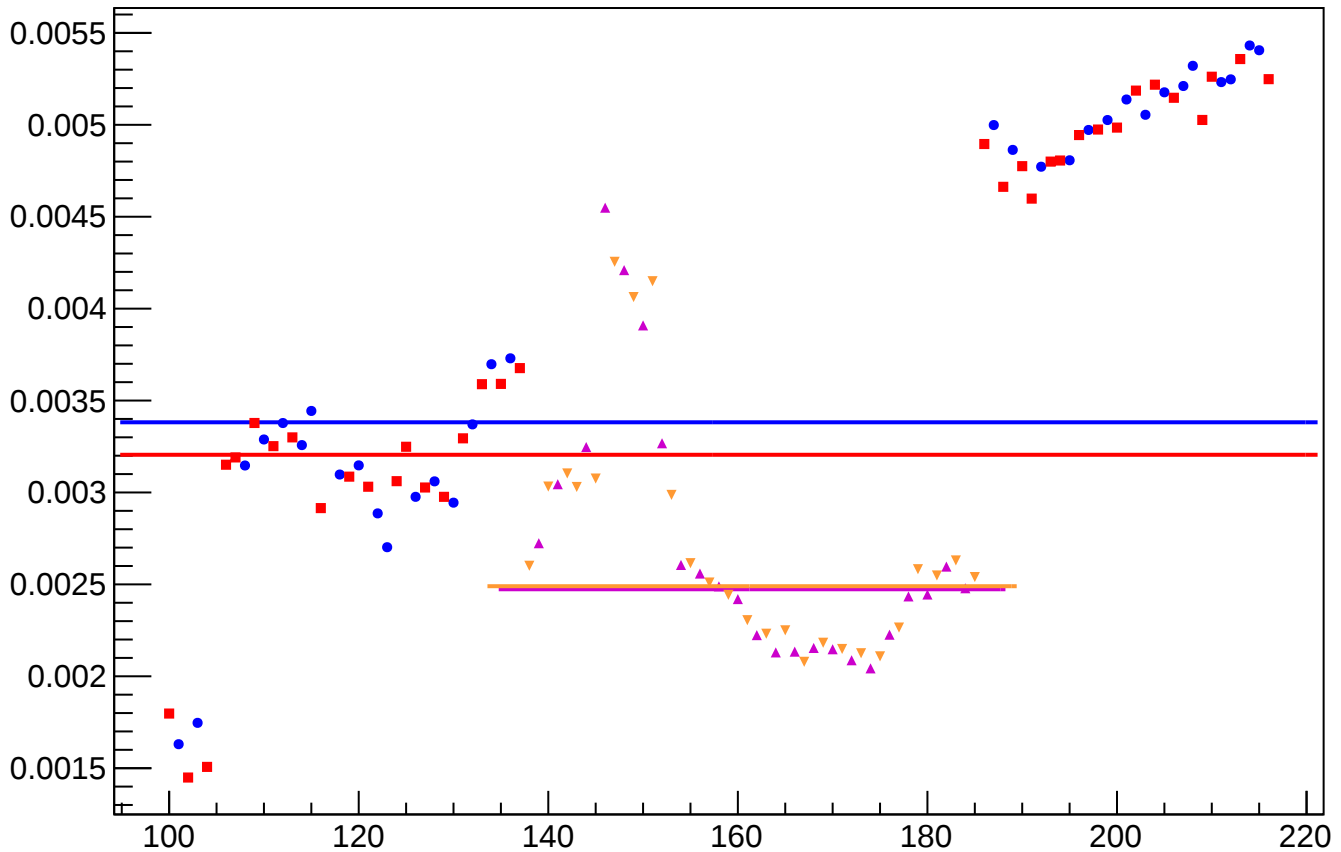
Left In: 0.348 ± 0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.293 ± 0.000 χ^2/NDF : 5343352186990.2/5

All: -0.294 ± 0.000 χ^2/NDF : 1063685492845

- sign -0.294 ± 0.000 χ^2/NDF : 5293501197423.4/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 4507442.8/31

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1070282.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 5413227.0/34

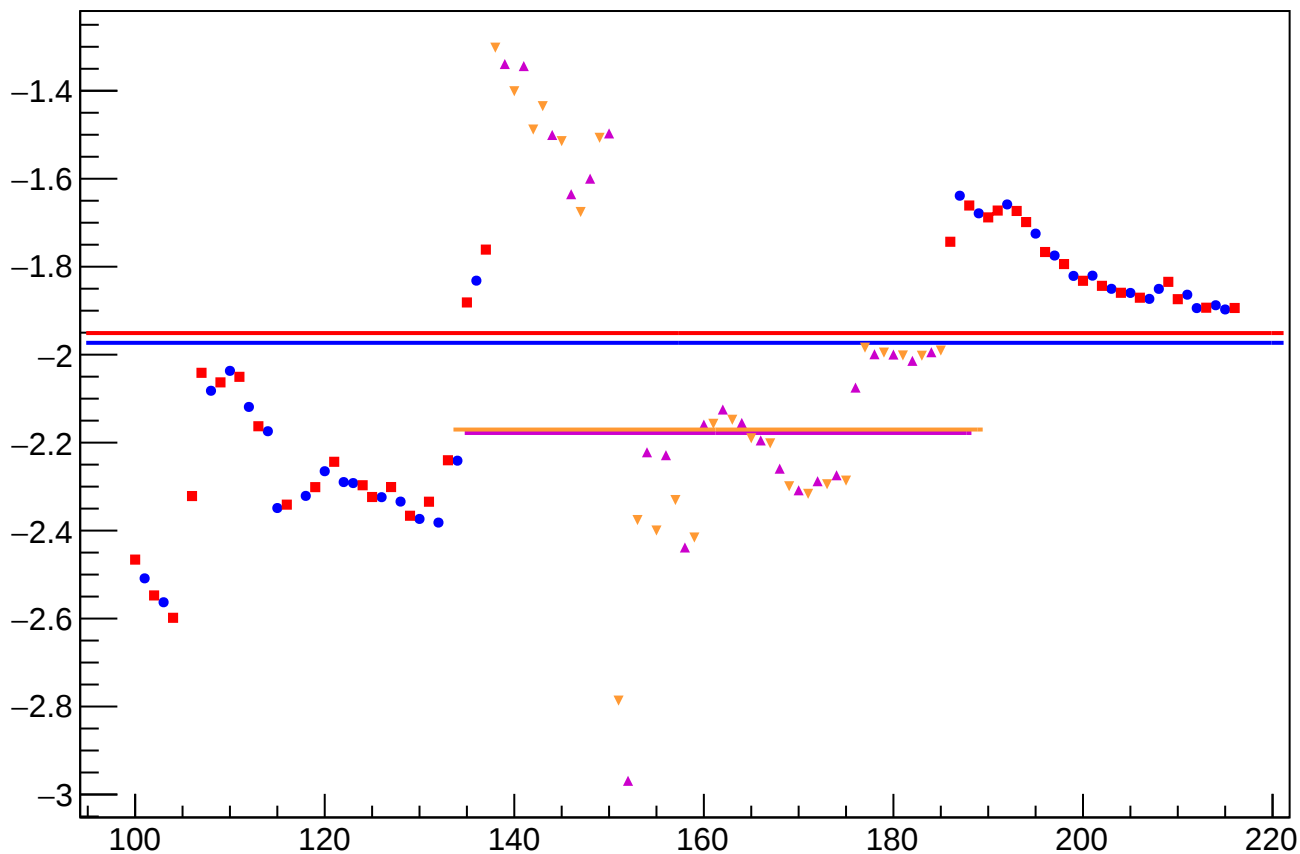
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6923789.7/56

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 14432335.6/114

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 7501696.1/57

yield_bpm0i01aX_mean vs Slug



Right In: -1.973 ± 0.000 χ^2/NDF : 31539979669.5/31

Left Out: -2.170 ± 0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.951 ± 0.000 χ^2/NDF : 35386469679.1/34

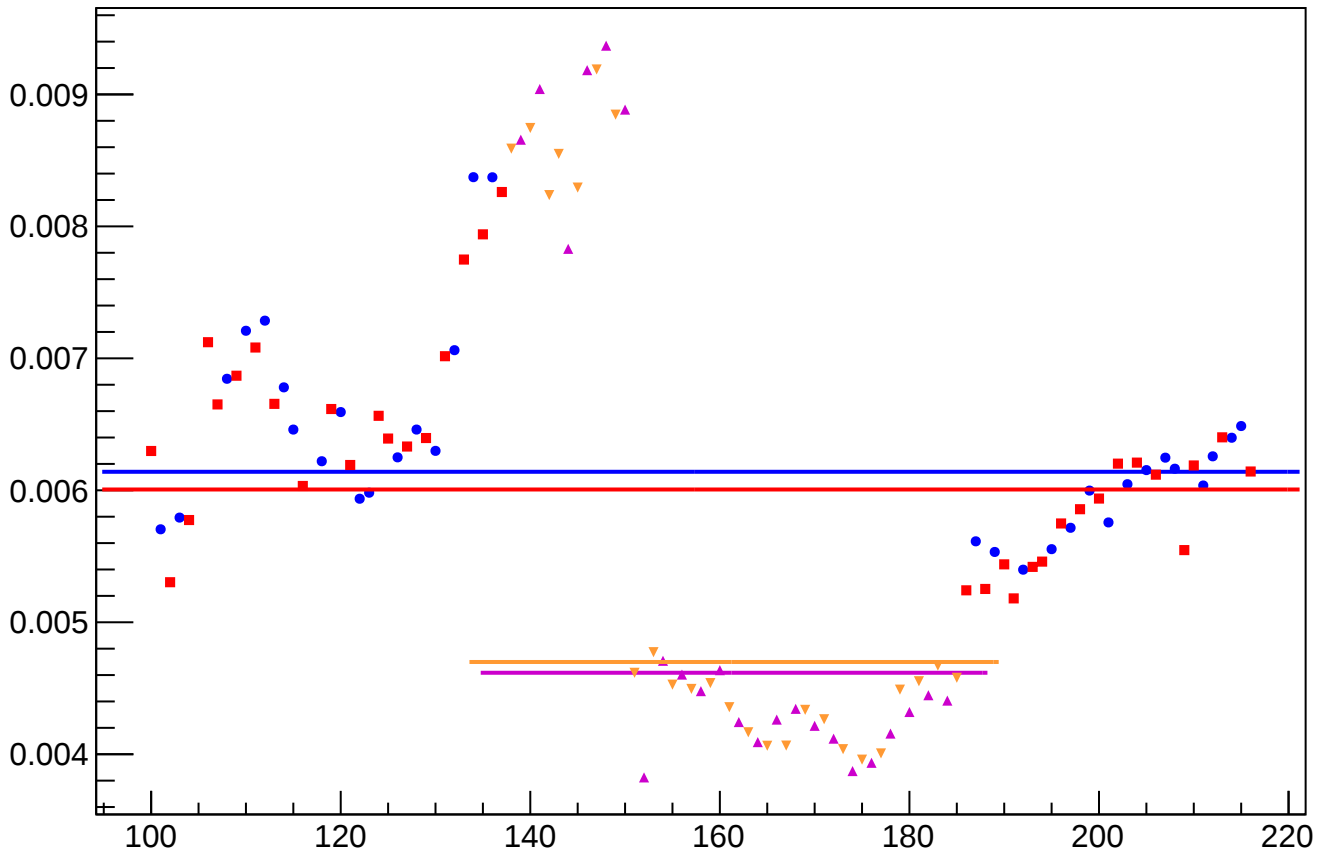
Left In: -2.178 ± 0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.097 ± 0.000 χ^2/NDF : 102417998174.1/56

All: -2.093 ± 0.000 χ^2/NDF : 226195556248.0

- sign -2.088 ± 0.000 χ^2/NDF : 123731568535.6/57

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 310629.0/31

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 370664.3/34

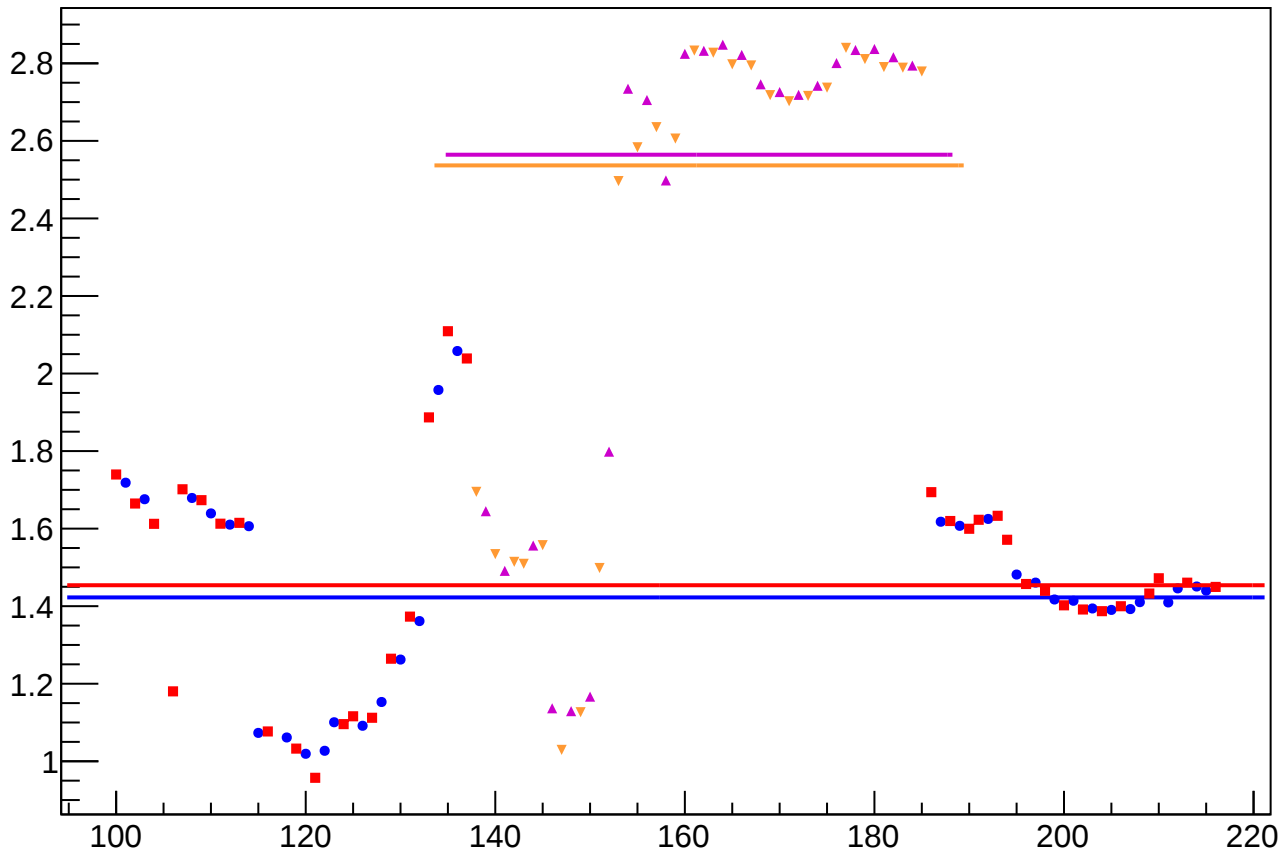
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3796476.9/56

All: 0.005+/-0.000 χ^2/NDF : 7657382.3/114

- sign 0.005+/-0.000 χ^2/NDF : 3855282.0/57

yield_bpm0i01aY_mean vs Slug



Right In: 1.423+/-0.000 χ^2/NDF : 174196881797.0/31

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.454+/-0.000 χ^2/NDF : 177000911519.5/34

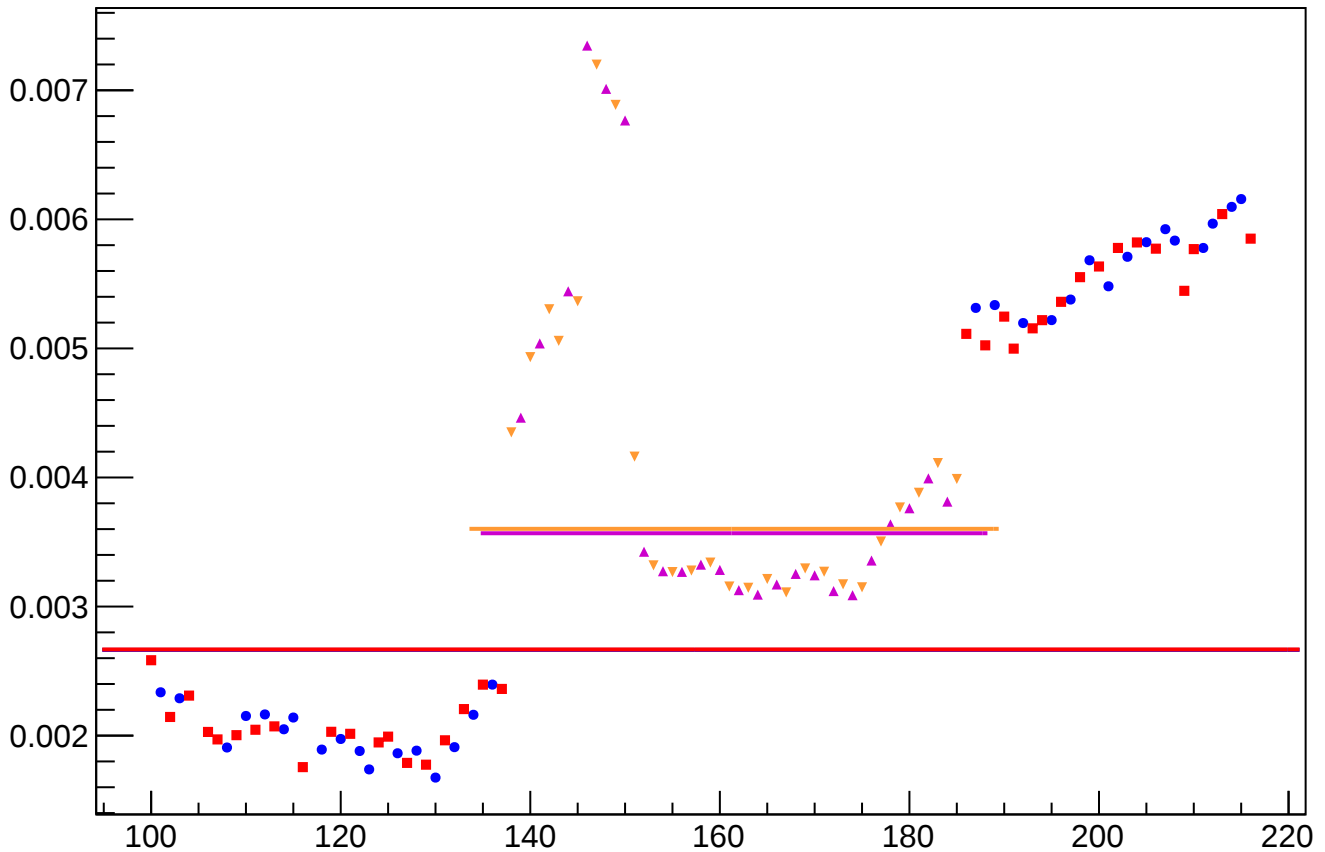
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.880+/-0.000 χ^2/NDF : 1386253063031.2/56

All: 1.883+/-0.000 χ^2/NDF : 2747810155291.2/112

- sign 1.885+/-0.000 χ^2/NDF : 1361512427438.2/57

yield_bpm0i01aY_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 7390955.3/31

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1410717.8/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 7110736.0/34

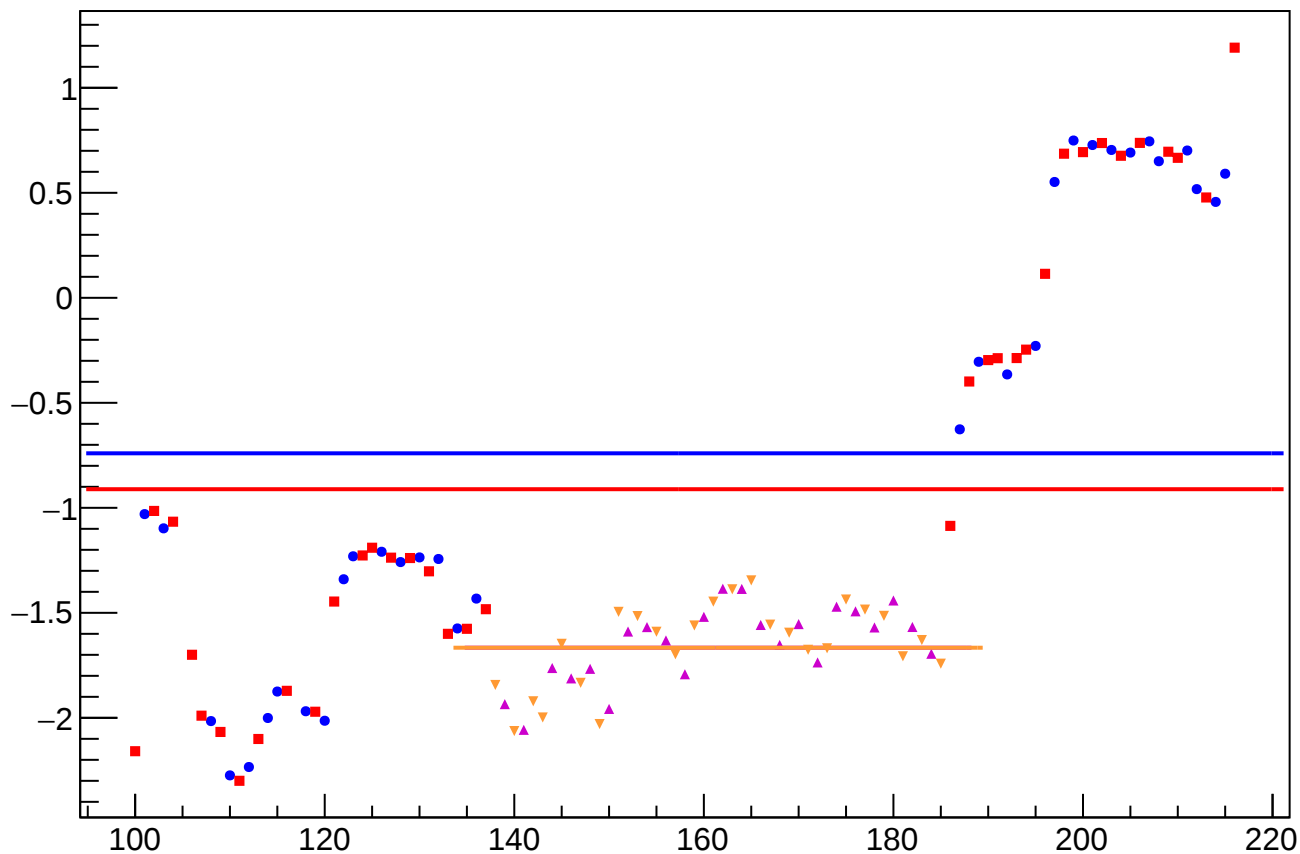
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1563028.0/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10137821.1/56

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 20030523.9/114

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 9889477.5/57

yield_bpm0l01X_mean vs Slug



Right In: -0.740 $\pm$ 0.000 χ^2 /NDF: 238422610562.4/31

Left Out: -1.666 $\pm$ 0.000 χ^2 /NDF: 18325162131.2/24

Right Out: -0.911 $\pm$ 0.000 χ^2 /NDF: 270262399233.2/34

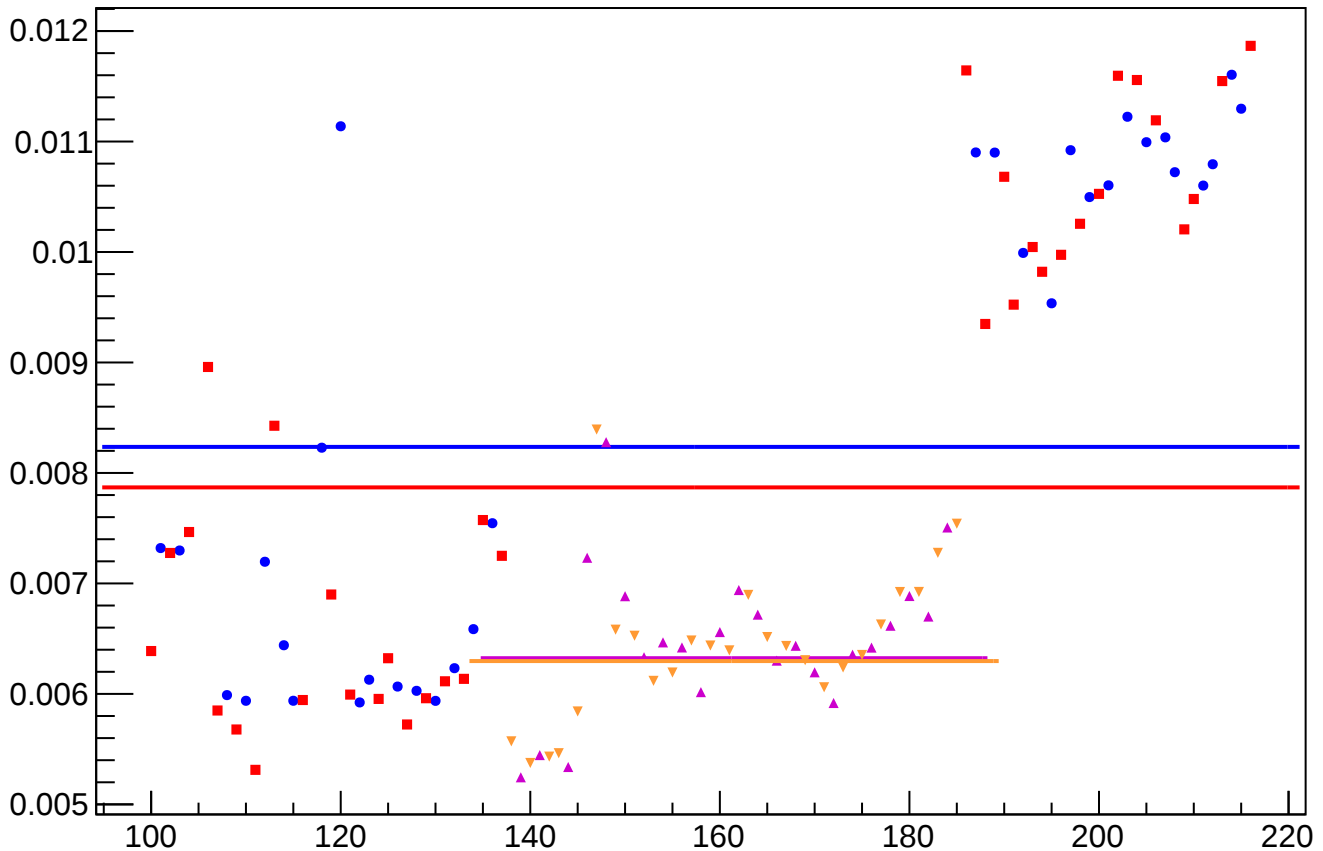
Left In: -1.666 $\pm$ 0.000 χ^2 /NDF: 14292570816.9/22

+ sign -1.349 $\pm$ 0.000 χ^2 /NDF: 385909053648.6/56

All: -1.362 $\pm$ 0.000 χ^2 /NDF: 760977240149.5

- sign -1.374 $\pm$ 0.000 χ^2 /NDF: 374863810909.6/57

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2093739.3/31

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2396693.2/34

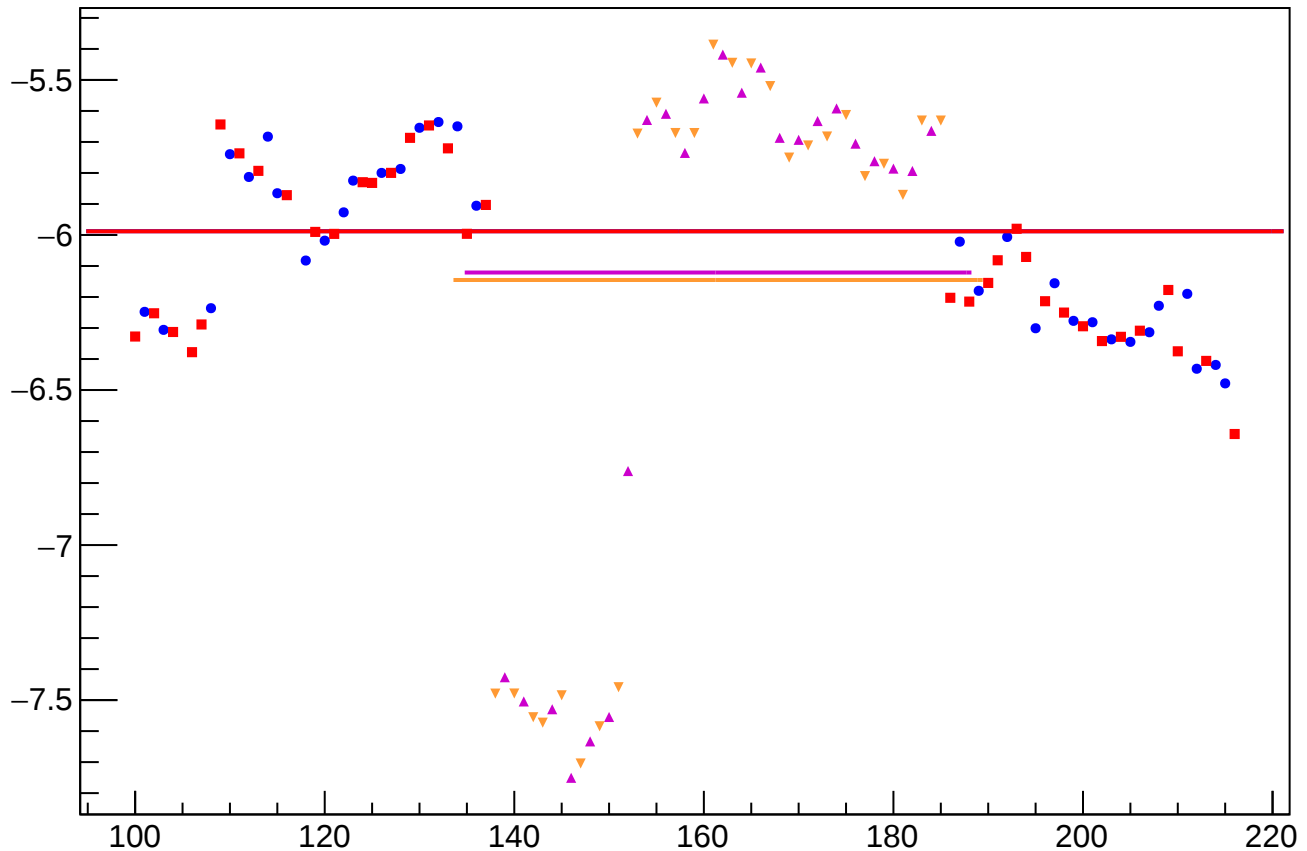
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 3537509.0/56

All: 0.007+/-0.000 χ^2/NDF : 7023935.5/114

- sign 0.007+/-0.000 χ^2/NDF : 3485395.8/57

yield_bpm0l01Y_mean vs Slug



Right In: -5.988+/-0.000 χ^2 /NDF: 17553673564.2/31

Left Out: -6.145+/-0.000 χ^2 /NDF: 185364150237.7/24

Right Out: -5.988+/-0.000 χ^2 /NDF: 19103787779.5/34

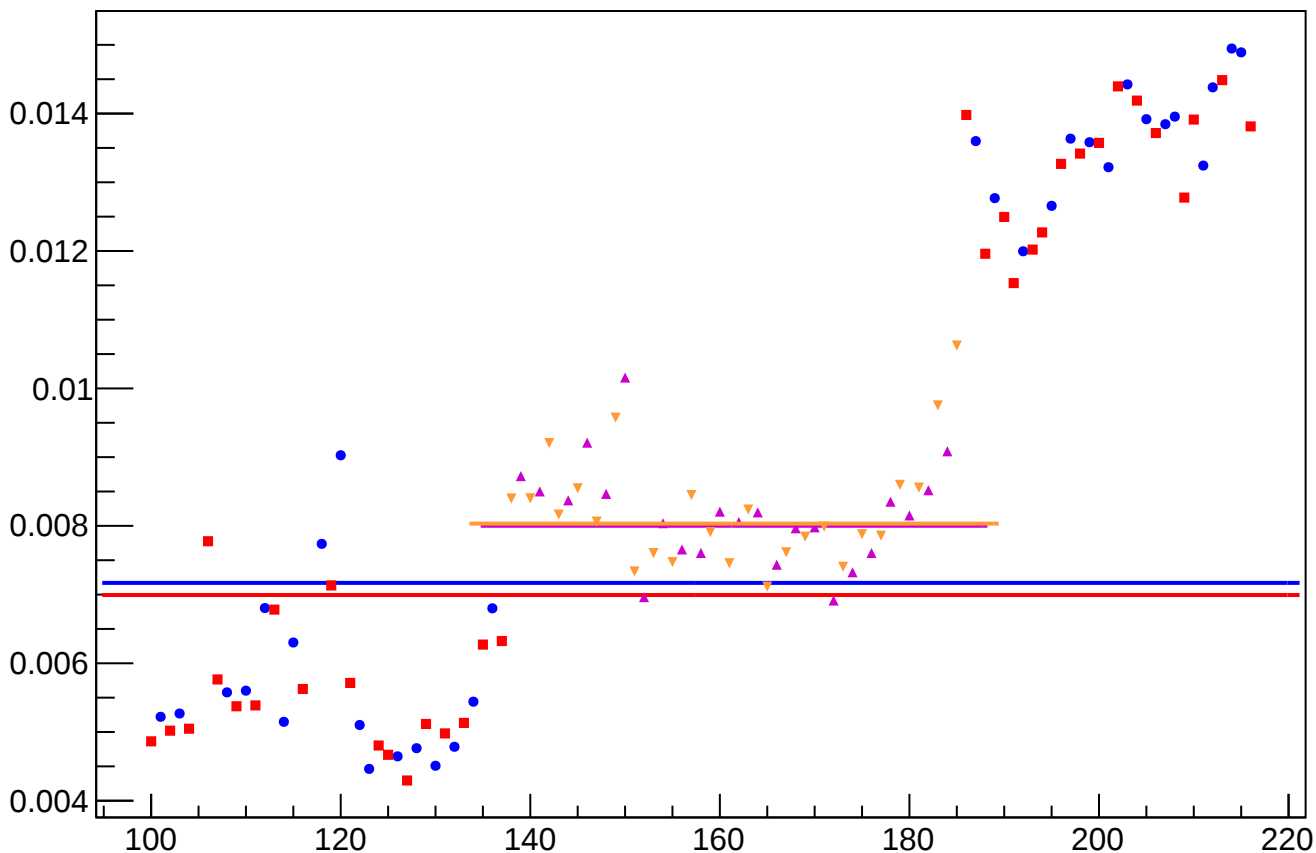
Left In: -6.121+/-0.000 χ^2 /NDF: 158315913062.3/22

+ sign -6.066+/-0.000 χ^2 /NDF: 206105252627.8/56

All: -6.058+/-0.000 χ^2 /NDF: 385918979106.4

- sign -6.050+/-0.000 χ^2 /NDF: 179744820185.3/57

yield_bpm0l01Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6281342.3/31

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205762.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 6098654.4/34

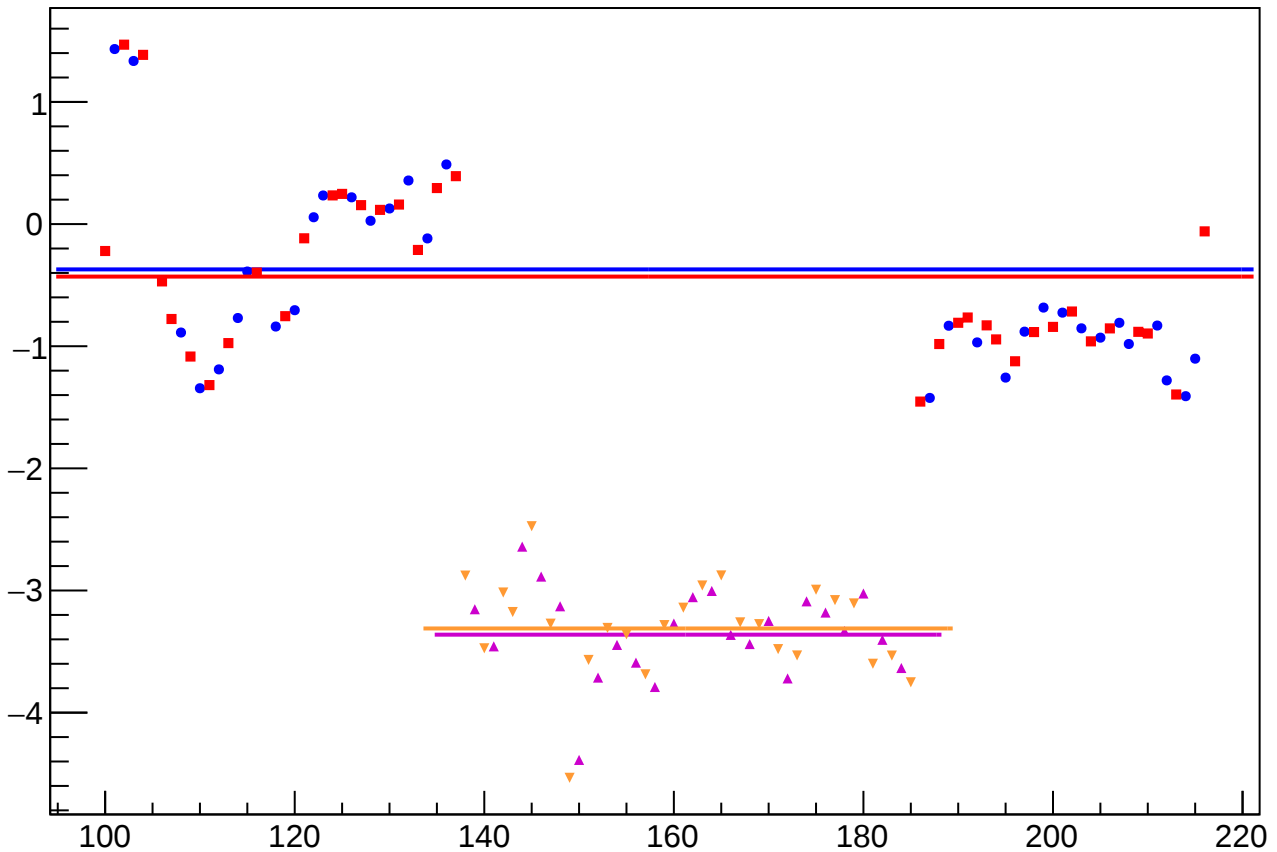
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220756.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6678619.3/56

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 13275370.3/114

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 6586890.1/57

yield_bpm0l02X_mean vs Slug



Right In: -0.371+/-0.000 χ^2/NDF : 36476990836.7/31

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.430+/-0.000 χ^2/NDF : 35076066207.1/34

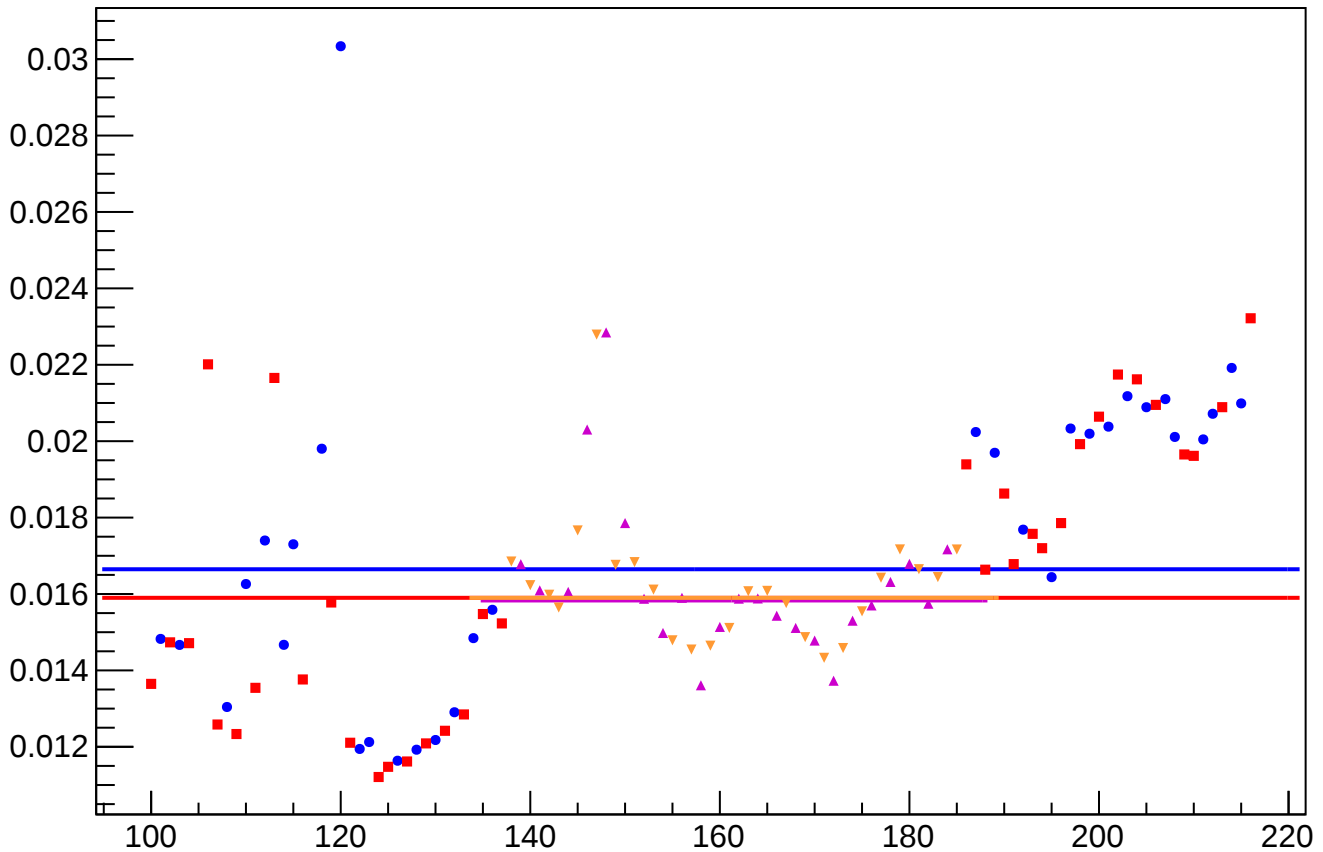
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -1.991+/-0.000 χ^2/NDF : 317270307260.8/56

All: -1.950+/-0.000 χ^2/NDF : 642642662007.5

- sign -1.911+/-0.000 χ^2/NDF : 324967407736.4/57

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 1539071.3/31

Left Out: 0.016+/-0.000 χ^2/NDF : 251912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF : 1606761.3/34

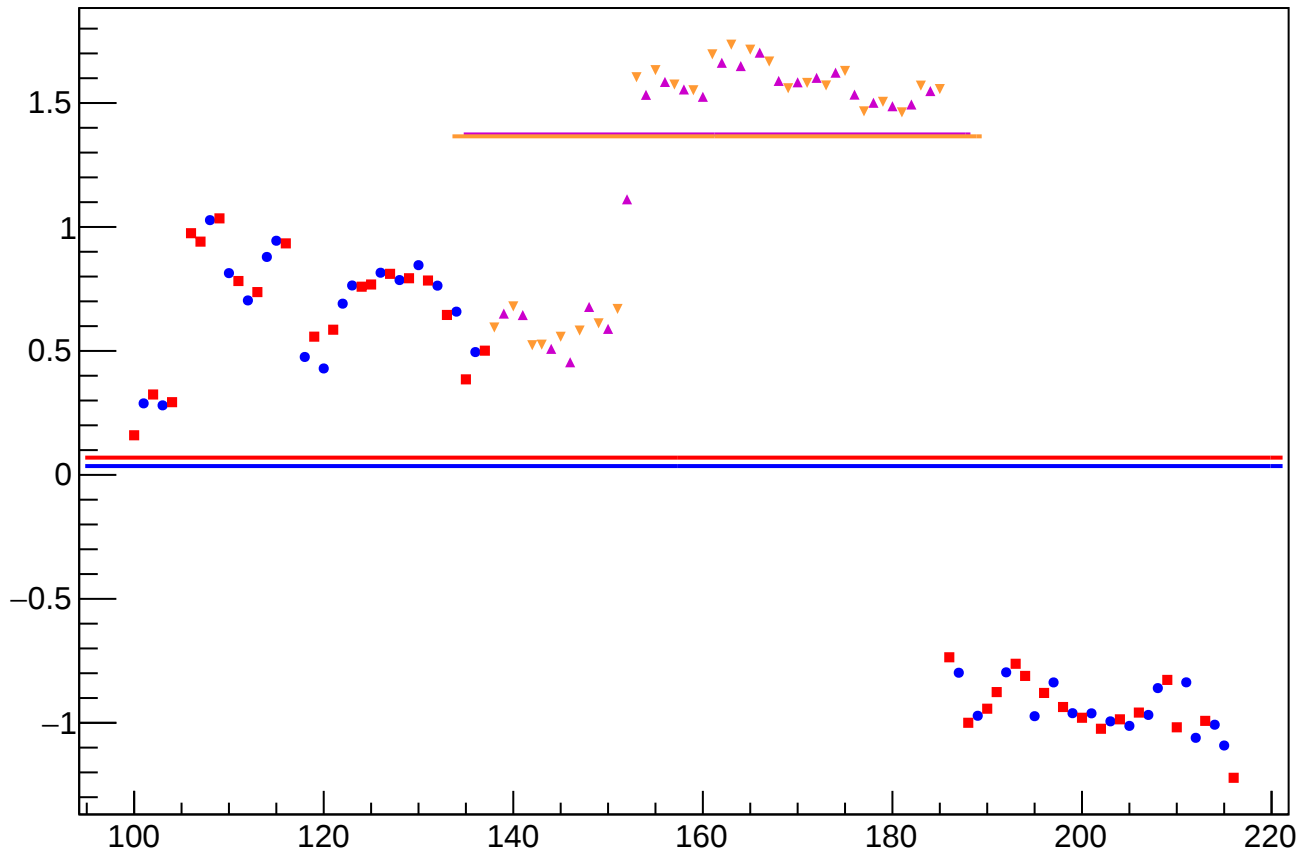
Left In: 0.016+/-0.000 χ^2/NDF : 339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1826246.8/56

All: 0.016+/-0.000 χ^2/NDF : 3790510.8/114

- sign 0.016+/-0.000 χ^2/NDF : 1946618.9/57

yield_bpm0l02Y_mean vs Slug



Right In: 0.036+/-0.000 χ^2/NDF : 92006719898.6/31

Left Out: 1.366+/-0.000 χ^2/NDF : 74741956067.9/24

Right Out: 0.070+/-0.000 χ^2/NDF : 100984488843.3/34

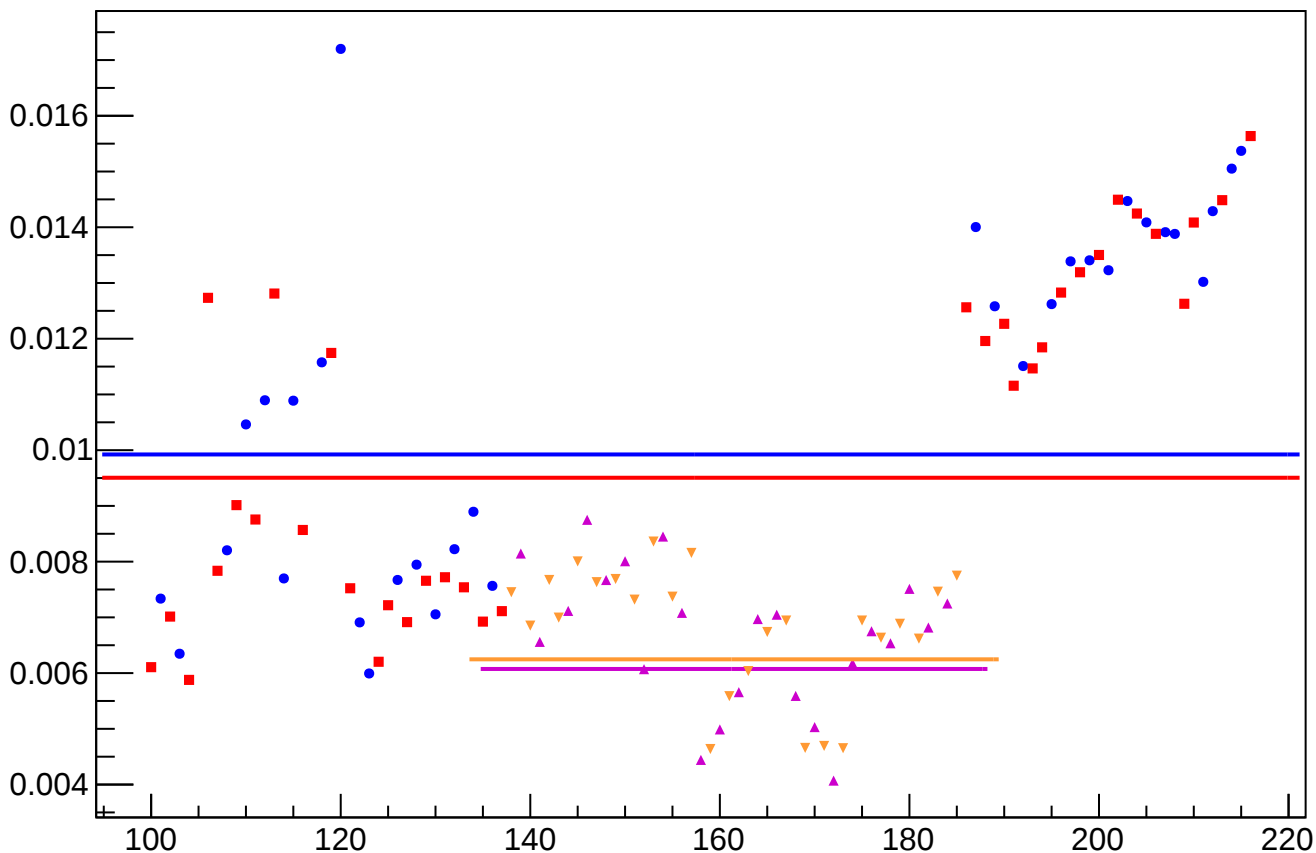
Left In: 1.373+/-0.000 χ^2/NDF : 63413151416.3/22

+ sign 1.016+/-0.000 χ^2/NDF : 364605093076.9/56

All: 1.009+/-0.000 χ^2/NDF : 735277664068.0

- sign 1.003+/-0.000 χ^2/NDF : 370620440385.5/57

yield_bpm0l02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 2853286.1/31

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 2932263.3/34

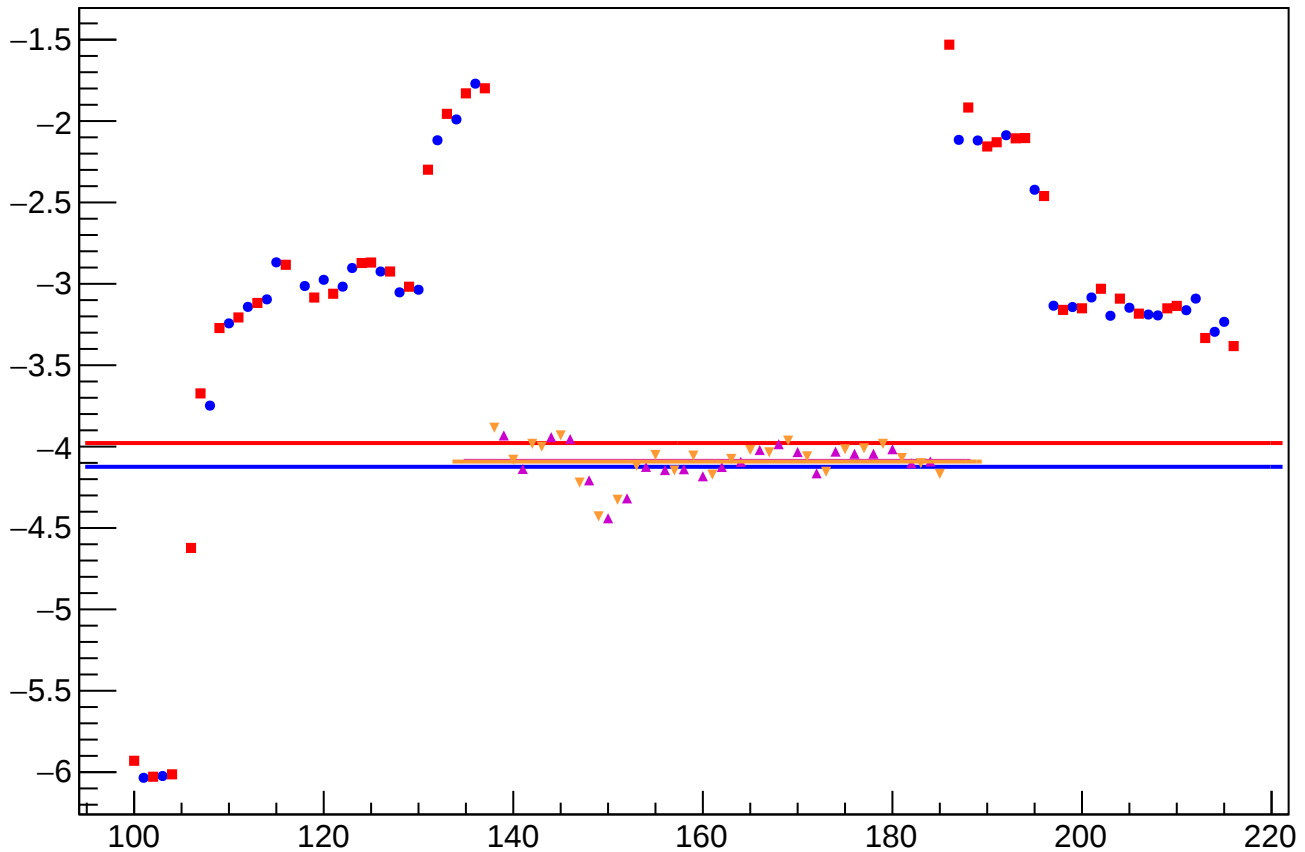
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 7207304.9/56

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 14444803.1/114

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 7221725.8/57

yield_bpm0l03X_mean vs Slug



Right In: -4.124 ± 0.000 χ^2/NDF : 286050119061.2/31

Left Out: -4.092 ± 0.000 χ^2/NDF : 39806766.7/24

Right Out: -3.978 ± 0.000 χ^2/NDF : 276427571872.9/34

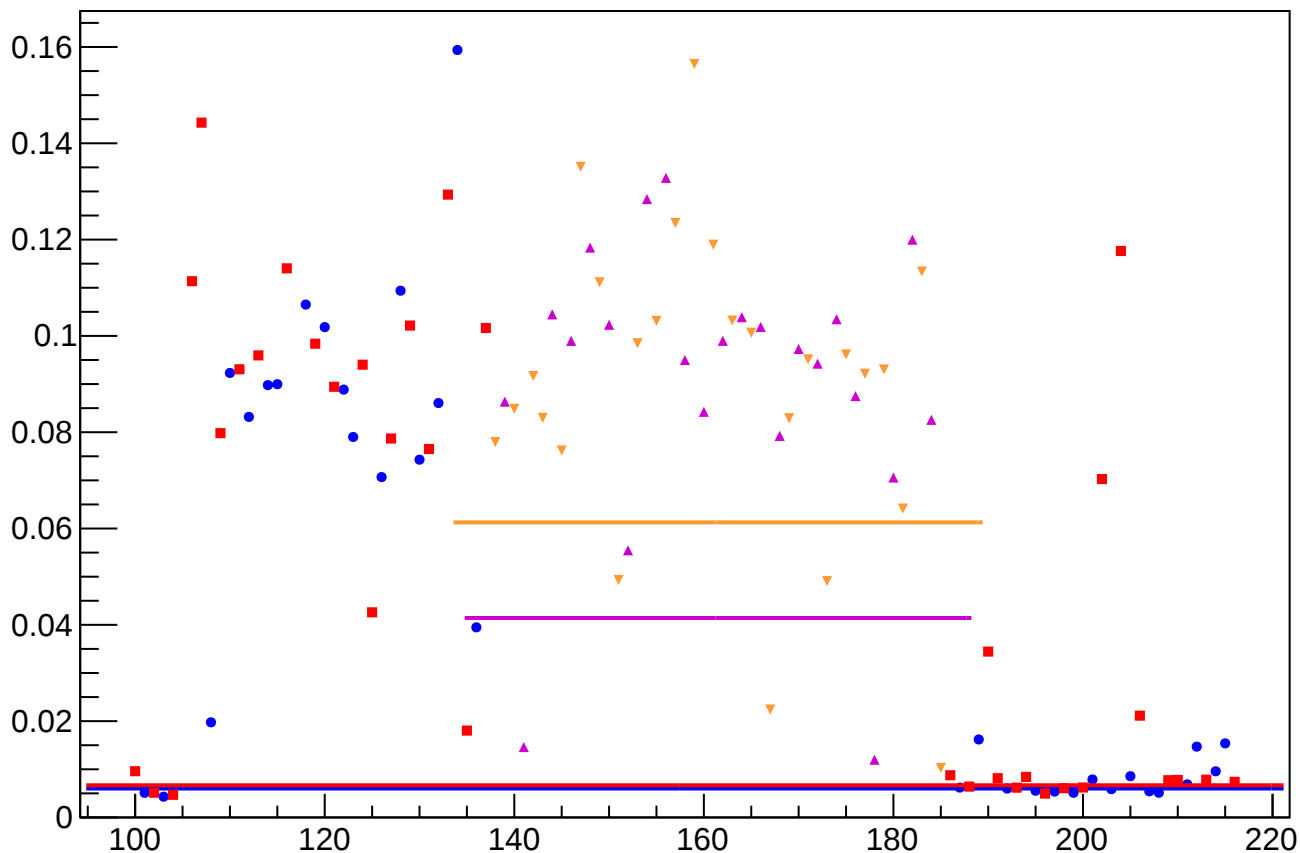
Left In: -4.088 ± 0.000 χ^2/NDF : 34412880.7/22

+ sign -4.123 ± 0.000 χ^2/NDF : 286092932945.9/56

All: -4.062 ± 0.000 χ^2/NDF : 563659169065.5

- sign -3.983 ± 0.000 χ^2/NDF : 276510918929.0/57

yield_bpm0l03X_rms vs Slug



Right In: 0.006 ± 0.000 χ^2/NDF : 8352056.1/31

Left Out: 0.061 ± 0.000 χ^2/NDF : 8355266.0/24

Right Out: 0.007 ± 0.000 χ^2/NDF : 10359780.6/34

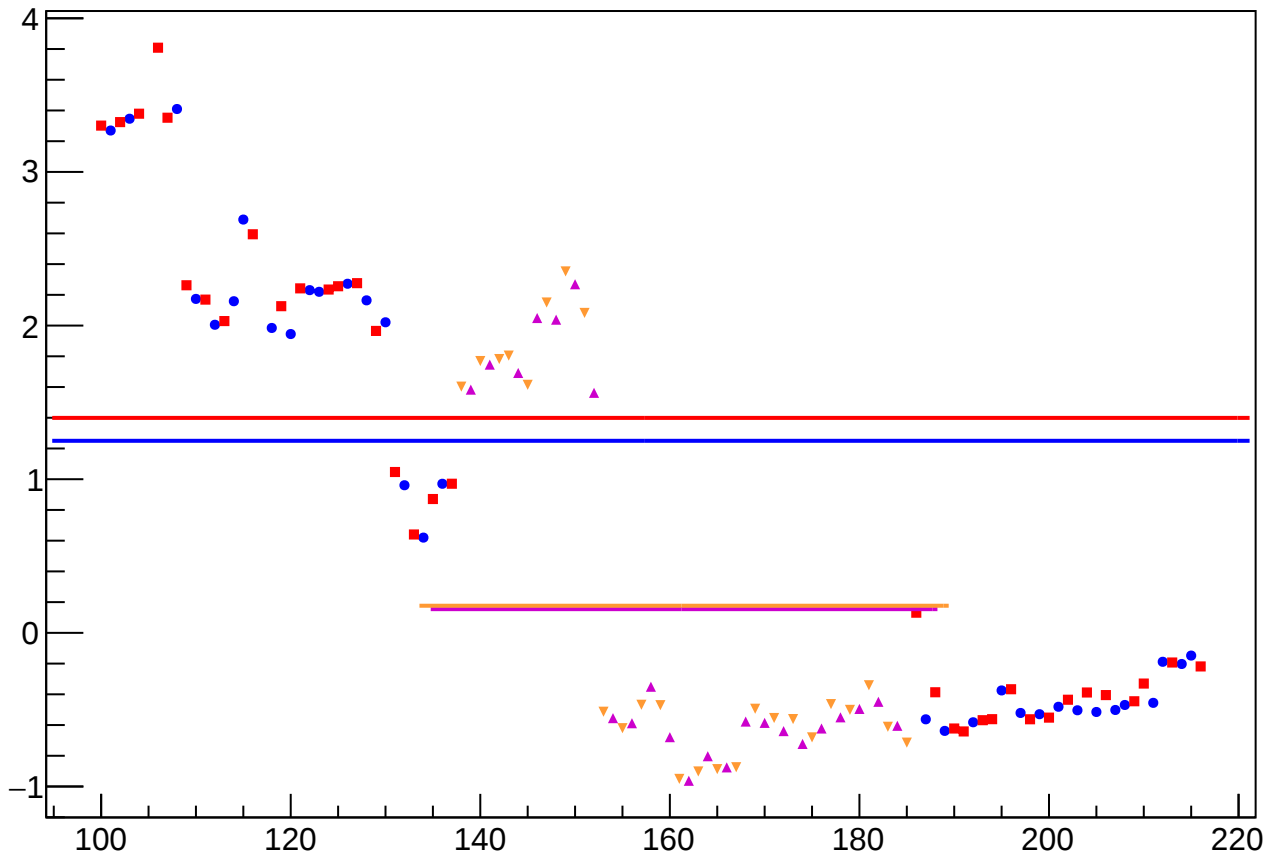
Left In: 0.041 ± 0.000 χ^2/NDF : 13124468.7/22

+ sign 0.007 ± 0.000 χ^2/NDF : 34309780.9/56

All: 0.008 ± 0.000 χ^2/NDF : 67713815.3/114

- sign 0.008 ± 0.000 χ^2/NDF : 33318322.4/57

yield_bpm0l03Y_mean vs Slug



Right In: 1.250 $\pm$ 0.000 χ^2 /NDF: 219681951115.8/31

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF:3275313367.7/24

Right Out: 1.399 $\pm$ 0.000 χ^2 /NDF: 189532133616.2/34

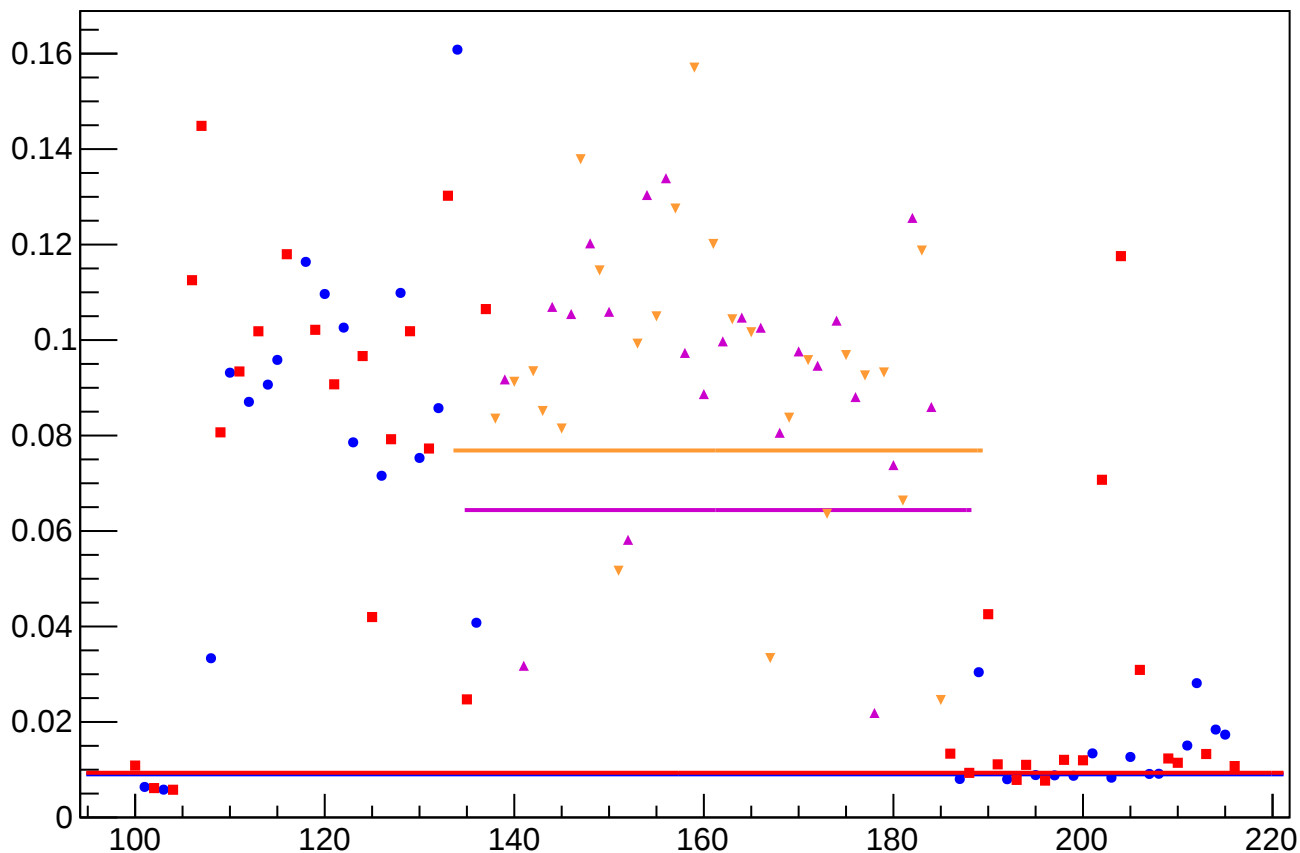
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF:3163553595.0/22

+ sign 1.212 $\pm$ 0.000 χ^2 /NDF: 225477625196.0/56

All: 1.273 $\pm$ 0.000 χ^2 /NDF: 422499064407.2

- sign 1.342 $\pm$ 0.000 χ^2 /NDF: 196510594111.7/57

yield_bpm0l03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 8569830.8/31

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 10389251.1/34

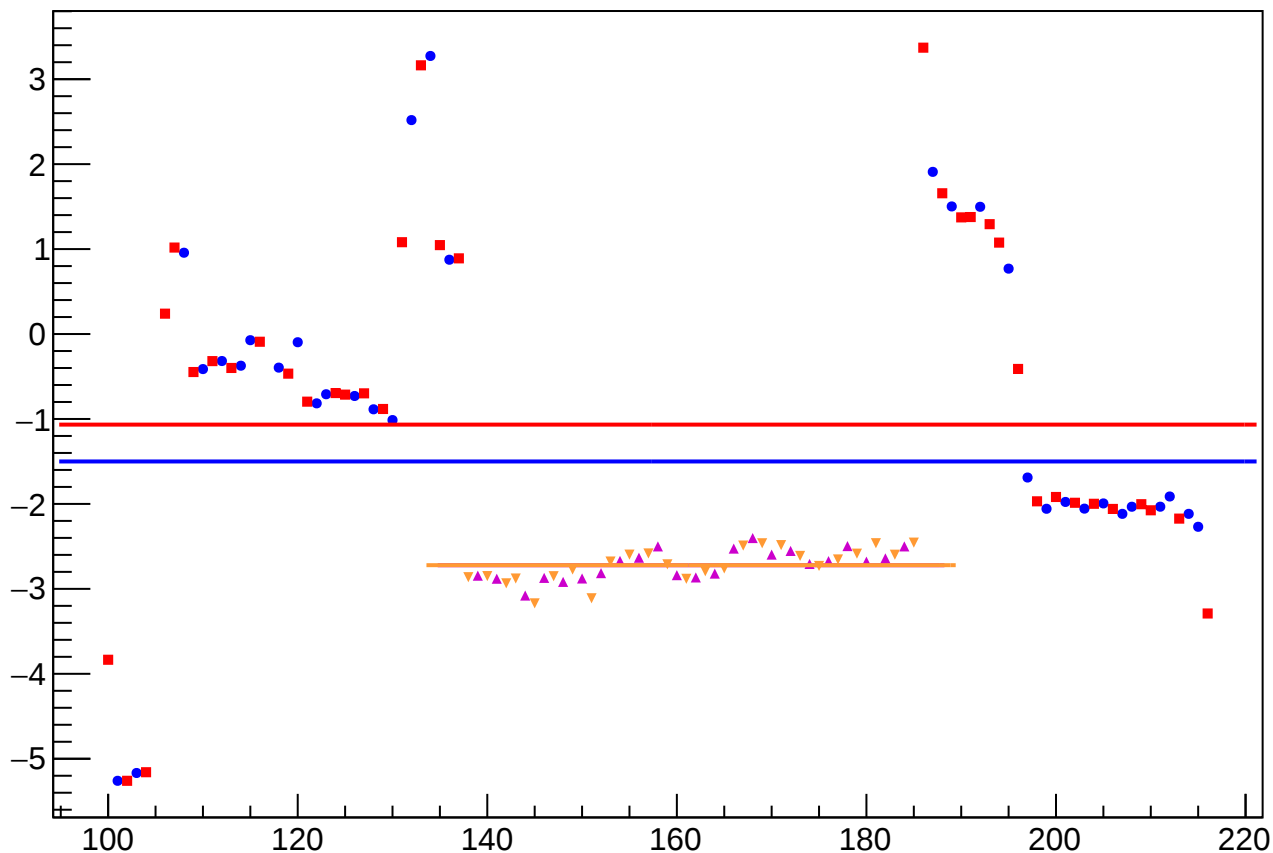
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 32918550.0/56

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 65218109.6/114

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32287538.6/57

yield_bpm0l04X_mean vs Slug



Right In: -1.500+/-0.000 χ^2/NDF : 208282633216.4/31

Left Out: -2.721+/-0.000 χ^2/NDF : 10397156971.6/24

Right Out: -1.066+/-0.000 χ^2/NDF : 246287225854.9/34

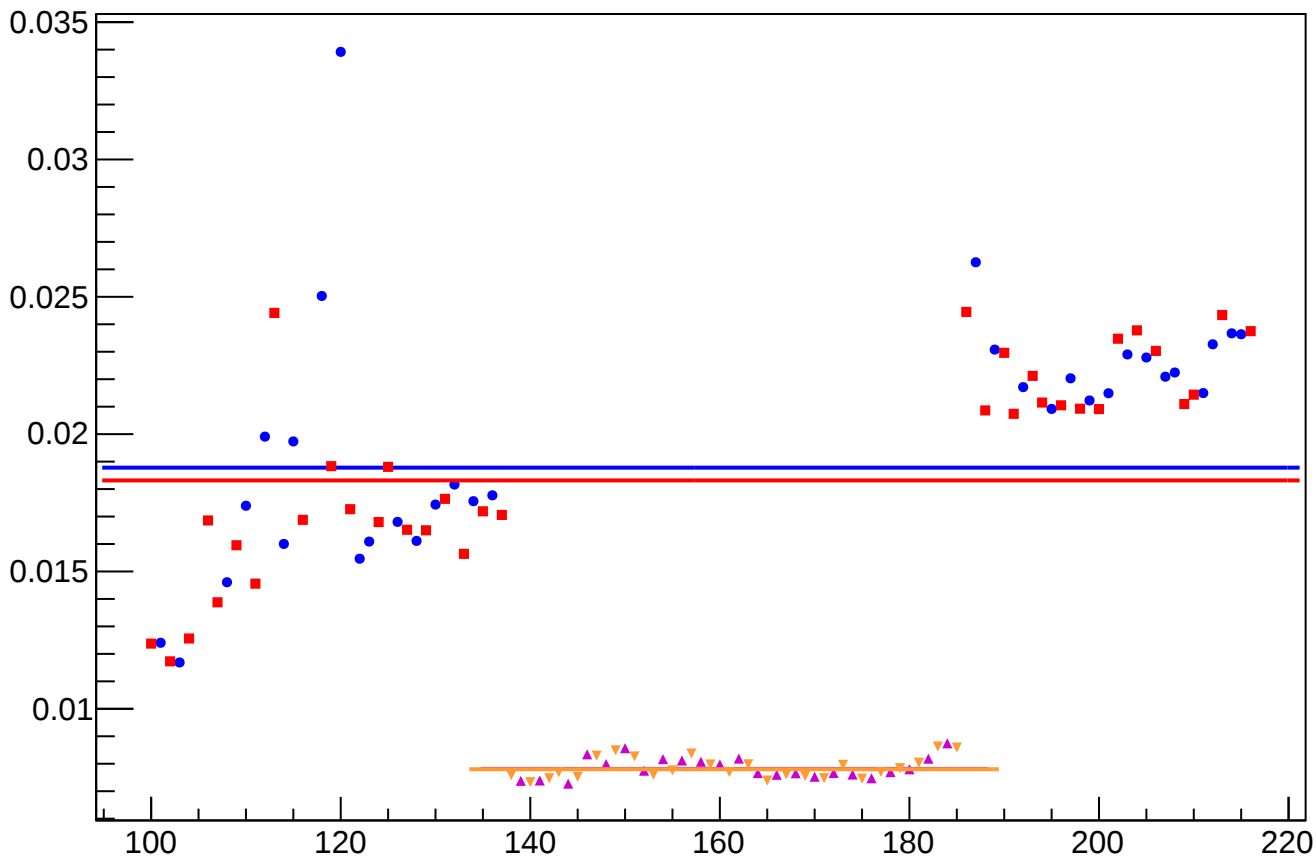
Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.561+/-0.000 χ^2/NDF : 275459099985.9/56

All: -2.519+/-0.000 χ^2/NDF : 642743664572.7

- sign -2.476+/-0.000 χ^2/NDF : 366075960007.3/57

yield_bpm0l04X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1567504.5/31

Left Out: 0.008+/-0.000 χ^2/NDF : 71164.4/24

Right Out: 0.018+/-0.000 χ^2/NDF : 1460639.2/34

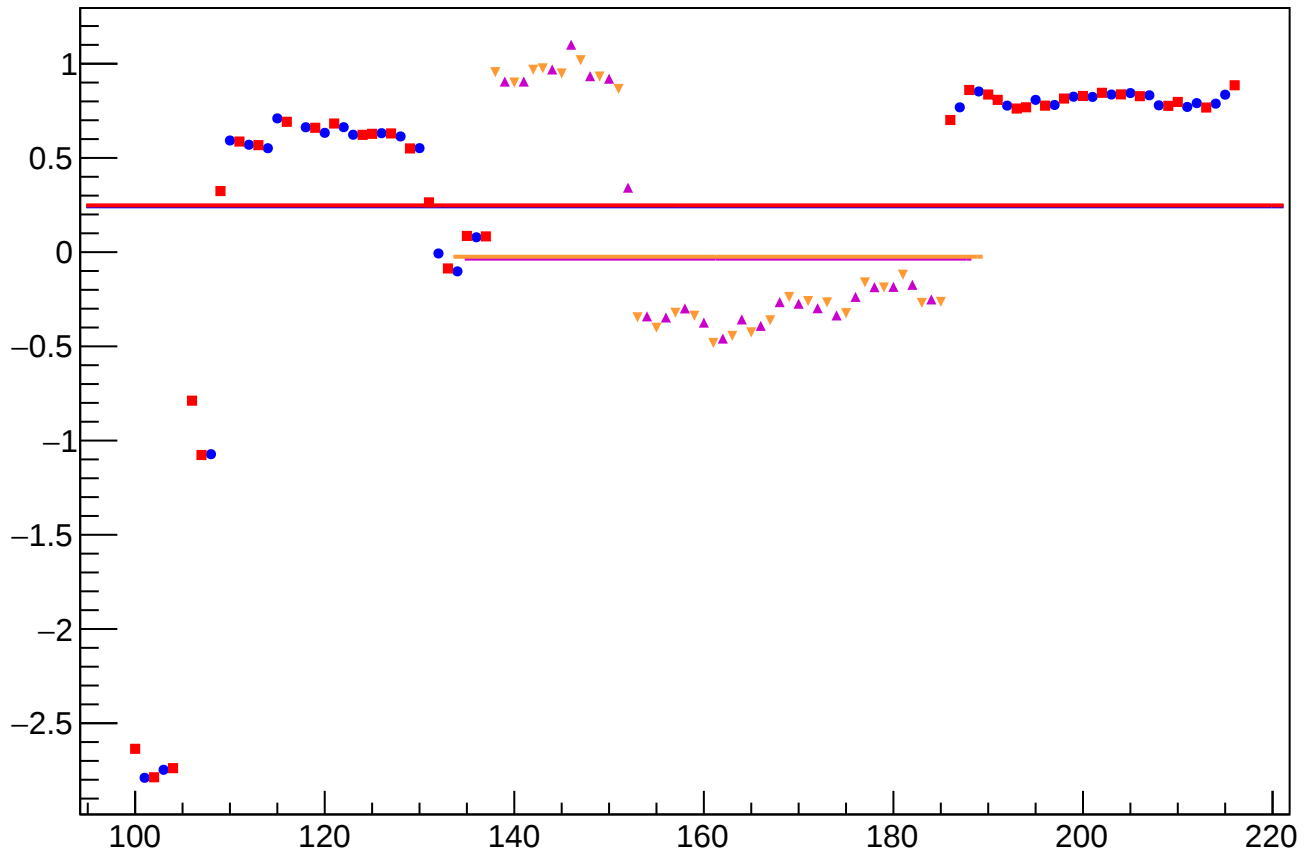
Left In: 0.008+/-0.000 χ^2/NDF : 67610.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 10820813.5/56

All: 0.009+/-0.000 χ^2/NDF : 21343975.6/114

- sign 0.009+/-0.000 χ^2/NDF : 10517067.2/57

yield_bpm0l04Y_mean vs Slug



Right In: 0.243 $\pm$ 0.000 χ^2 /NDF: 900755184623.0/31

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF: 135451649275.0/24

Right Out: 0.248 $\pm$ 0.000 χ^2 /NDF: 956662623778.6/34

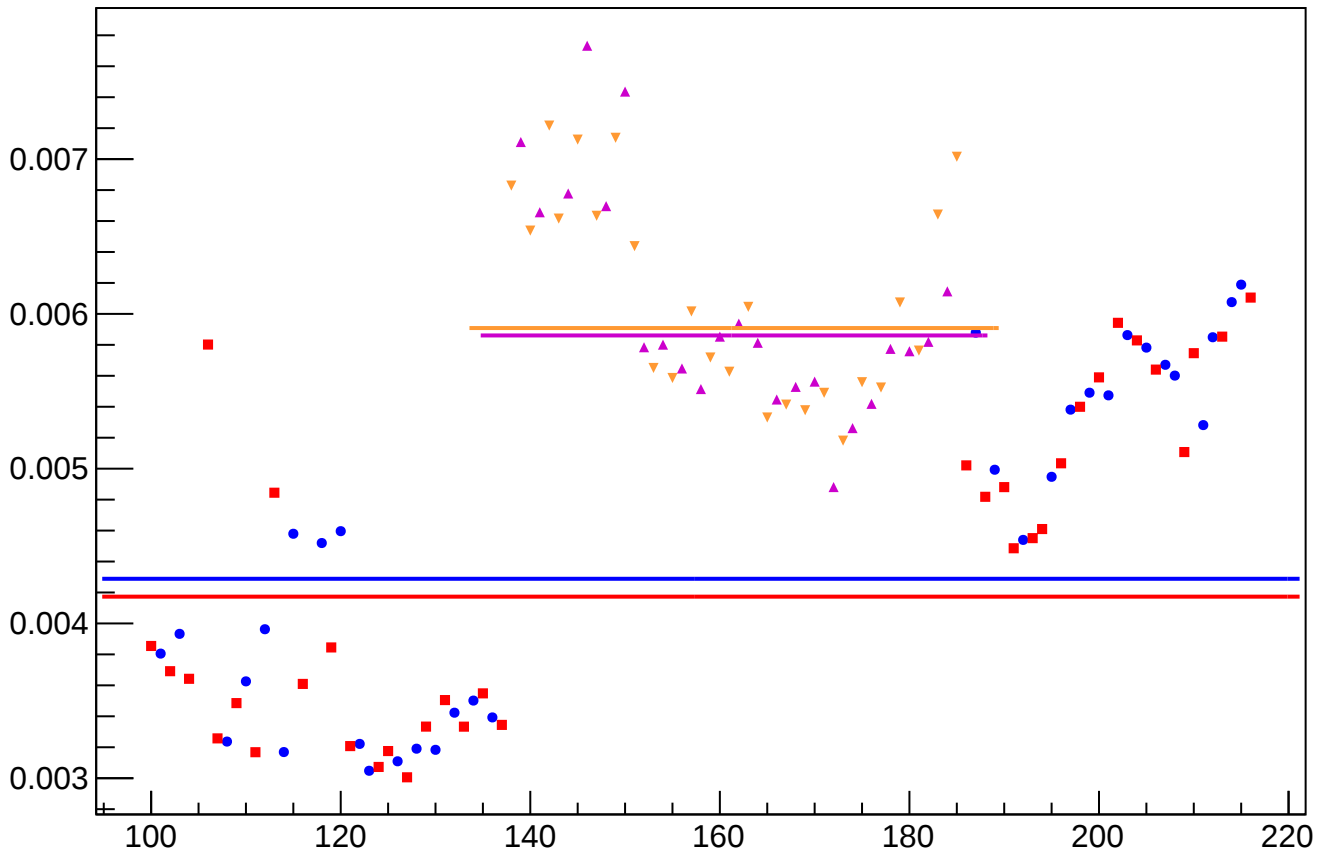
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign 0.147 $\pm$ 0.000 χ^2 /NDF: 1058310891336.7/56

All: 0.151 $\pm$ 0.000 χ^2 /NDF: 2153748991379.6

- sign 0.154 $\pm$ 0.000 χ^2 /NDF: 1095402138460.7/57

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1851549.3/31

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1800507.7/34

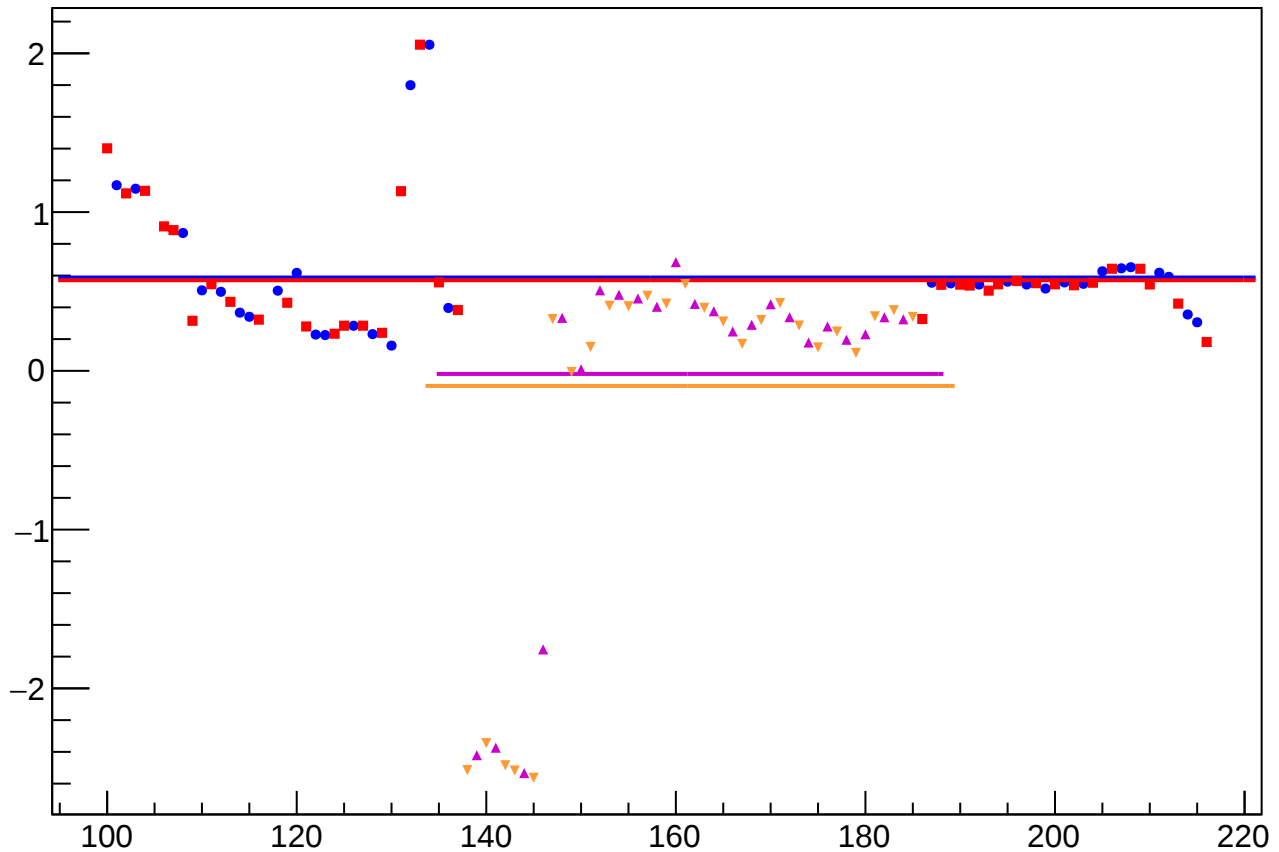
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3788118.4/56

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 7749846.7/114

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3935843.5/57

yield_bpm0l05X_mean vs Slug



Right In: 0.588 ± 0.000 χ^2/NDF : 47751076689.3/31

Left Out: -0.095 ± 0.000 χ^2/NDF : 505606573631.9/24

Right Out: 0.571 ± 0.000 χ^2/NDF : 54539122003.1/34

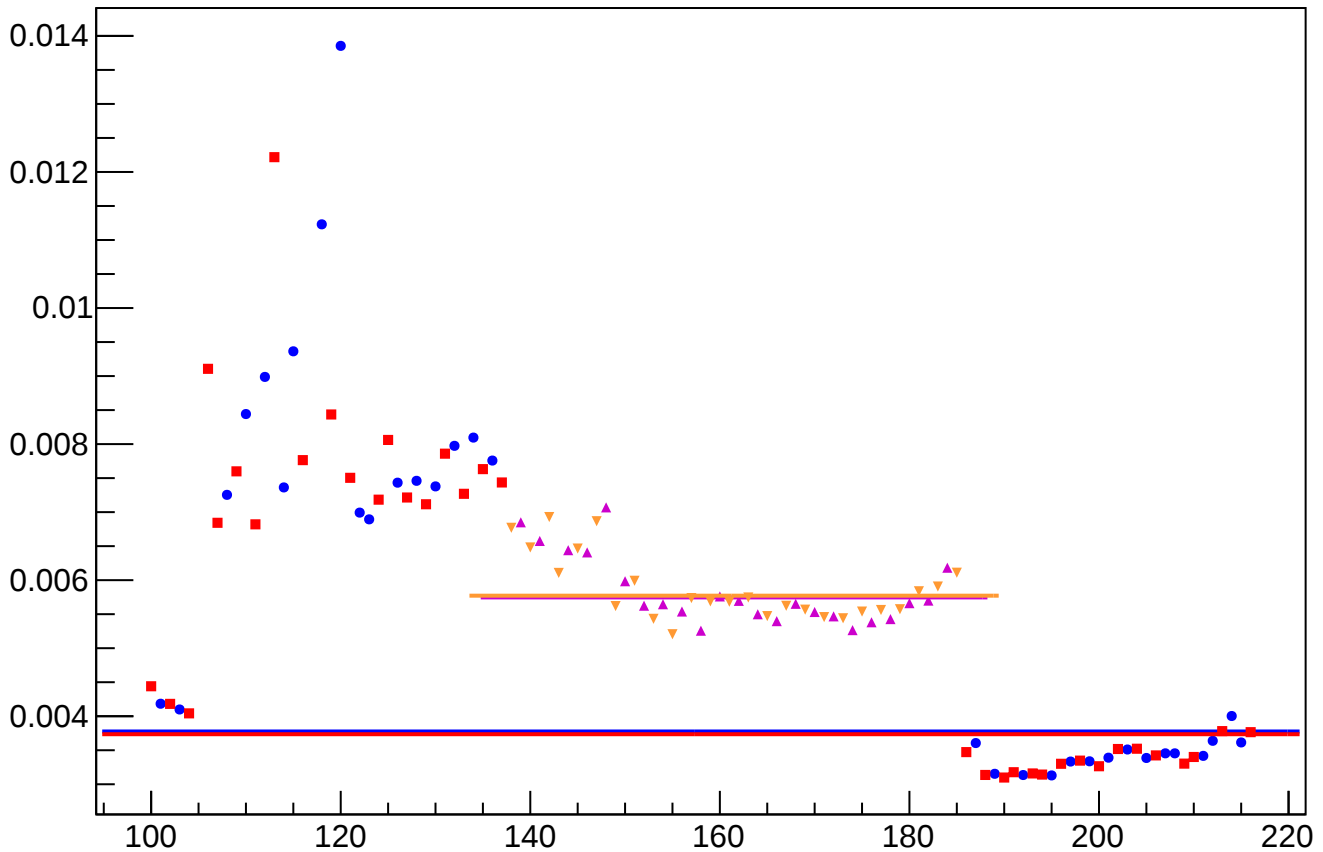
Left In: -0.019 ± 0.000 χ^2/NDF : 417104863944.5/22

+ sign 0.360 ± 0.000 χ^2/NDF : 713285624511.3/56

All: 0.373 ± 0.000 χ^2/NDF : 1303830149782.

- sign 0.387 ± 0.000 χ^2/NDF : 589958031070.4/57

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3152741.7/31

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3193538.3/34

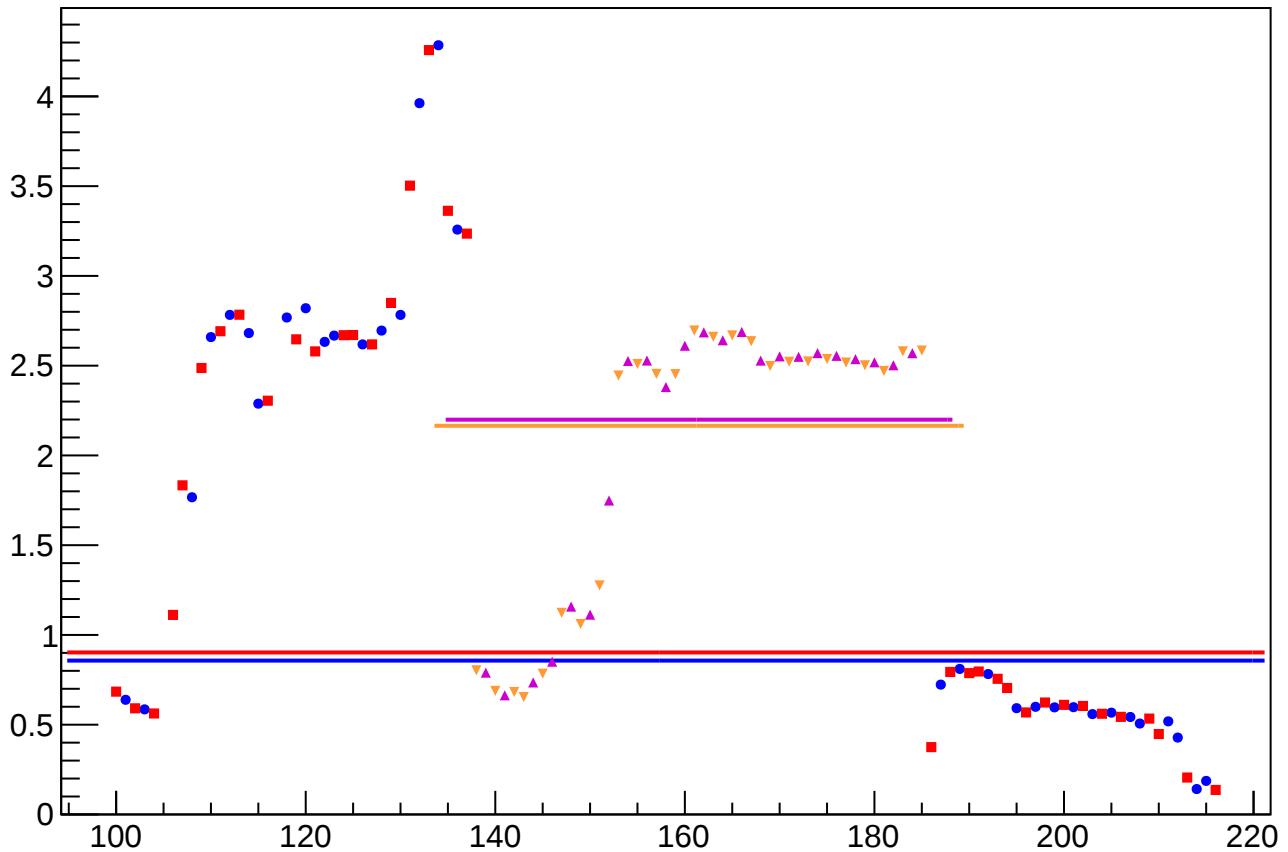
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6064442.8/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12220117.1/114

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6145373.4/57

yield_bpm0l05Y_mean vs Slug



Right In: 0.857+/-0.000 χ^2/NDF : 327657052571.4/31

Left Out: 2.165+/-0.000 χ^2/NDF : 292800056899.6/24

Right Out: 0.902+/-0.000 χ^2/NDF : 374921872132.2/34

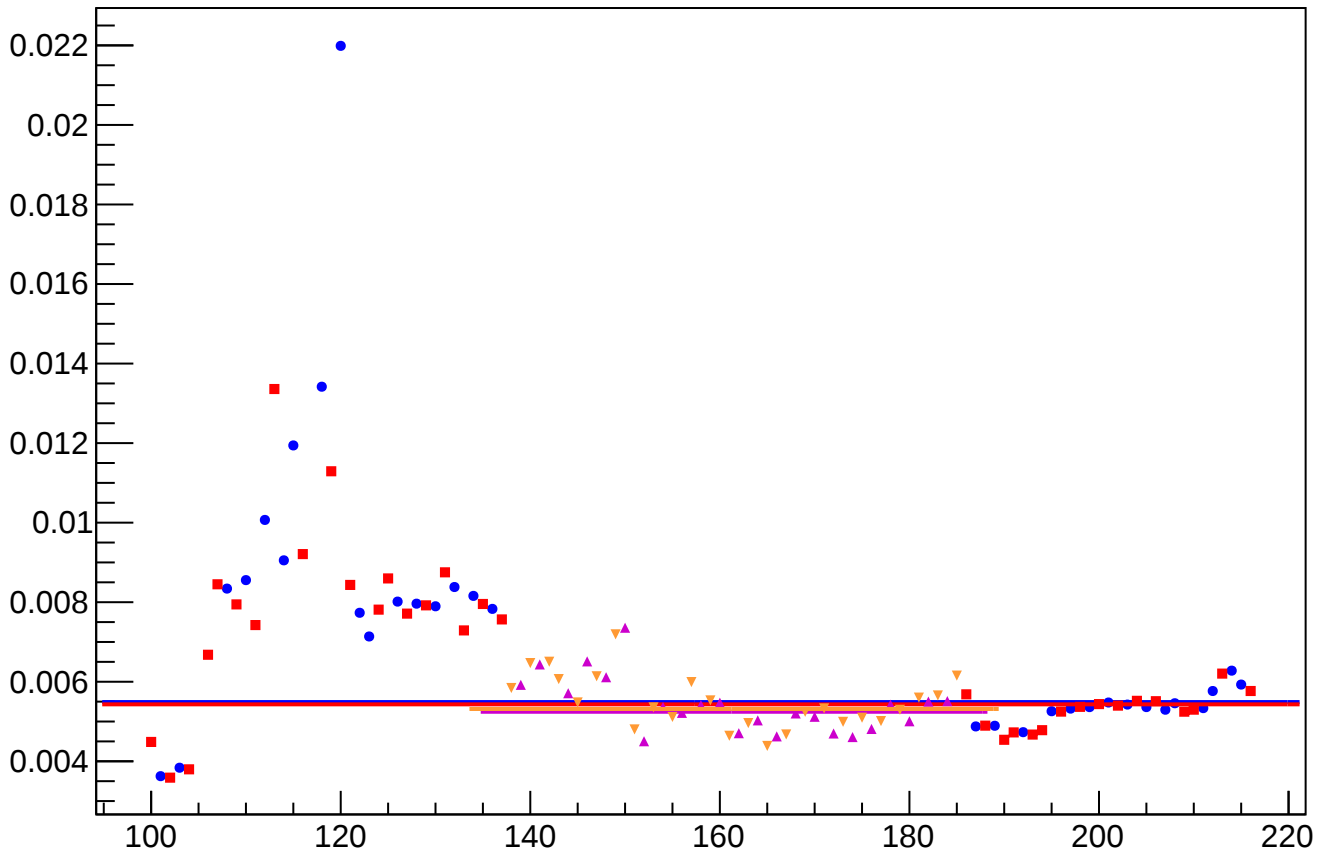
Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 1.563+/-0.000 χ^2/NDF : 1083170226486.4/56

All: 1.568+/-0.000 χ^2/NDF : 2175659190098.

- sign 1.574+/-0.000 χ^2/NDF : 1092425700743.6/57

yield_bpm0l05Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2044848.4/31

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:398795.0/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1907588.9/34

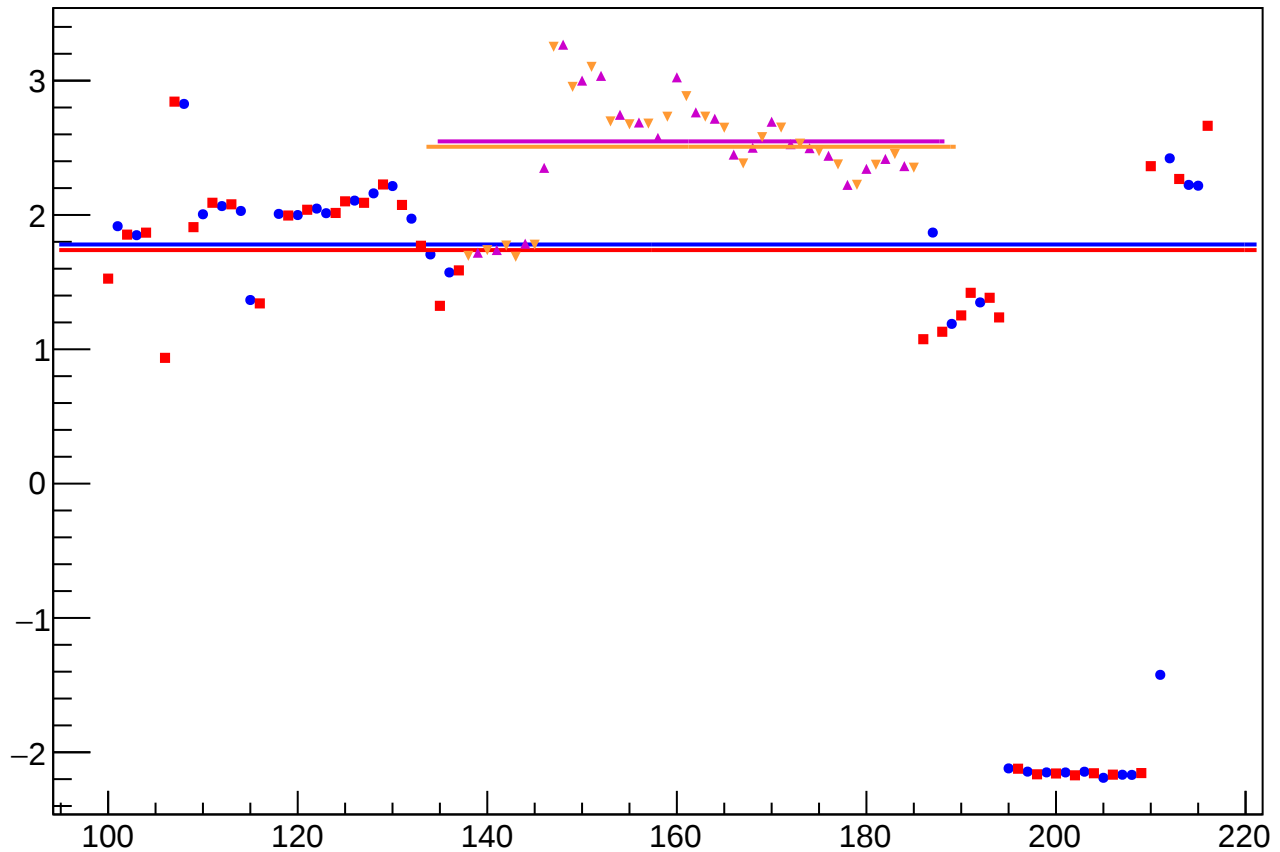
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:425864.8/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2459996.6/56

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 4816578.4/114

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2352661.0/57

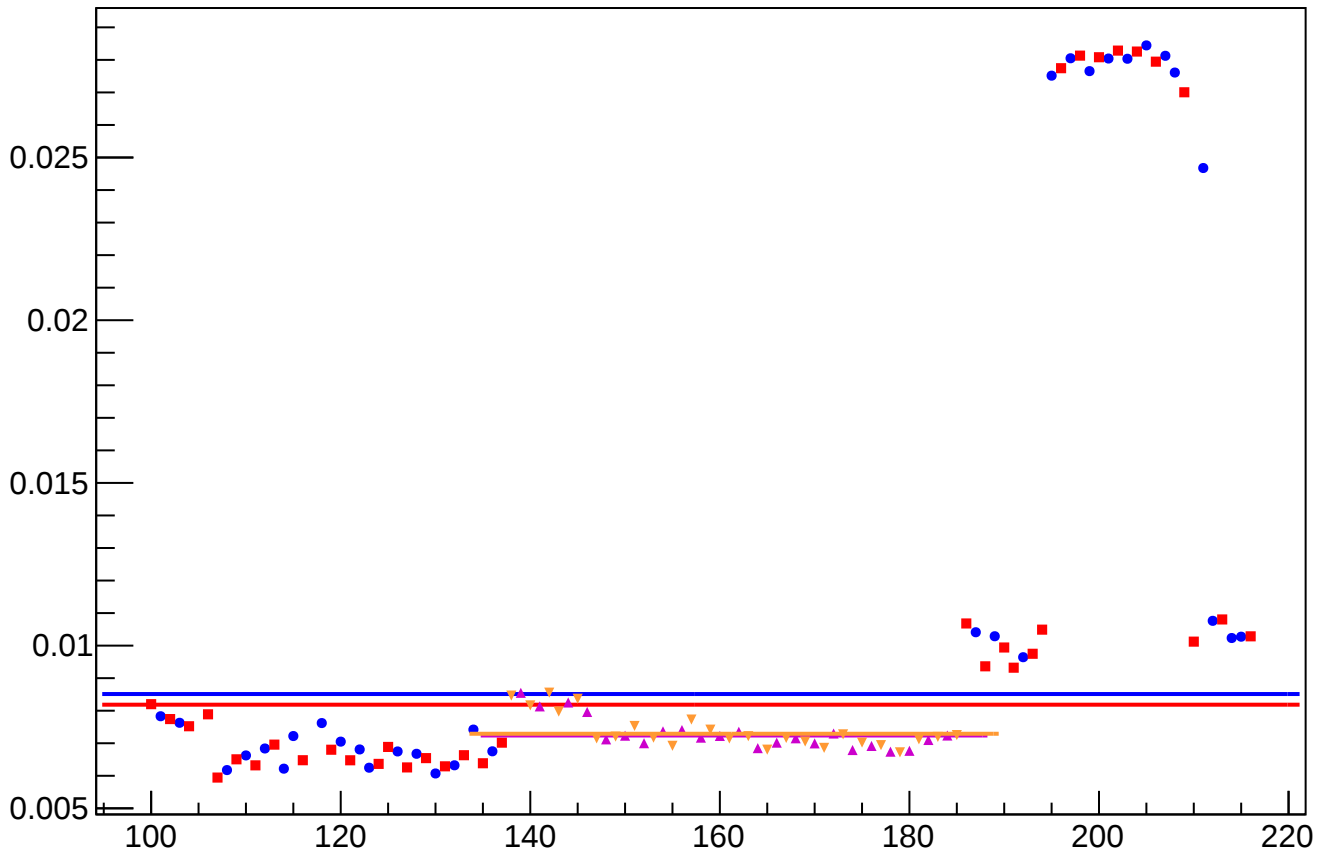
yield_bpm0l06X_mean vs Slug



Right In: 1.780 ± 0.000 χ^2/NDF : 163116688385.0/31
 Left Out: 2.508 ± 0.000 χ^2/NDF : 52355332406.0/24
 Right Out: 1.739 ± 0.000 χ^2/NDF : 148838868223.7/34
 Left In: 2.548 ± 0.000 χ^2/NDF : 45350336058.7/22

+ sign 2.250 ± 0.000 χ^2/NDF : 276985123578.9/56
 All: 2.238 ± 0.000 χ^2/NDF : 553980903900.2
 - sign 2.225 ± 0.000 χ^2/NDF : 276835675716.0/57

yield_bpm0l06X_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 7671780.0/31

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 6450029.3/34

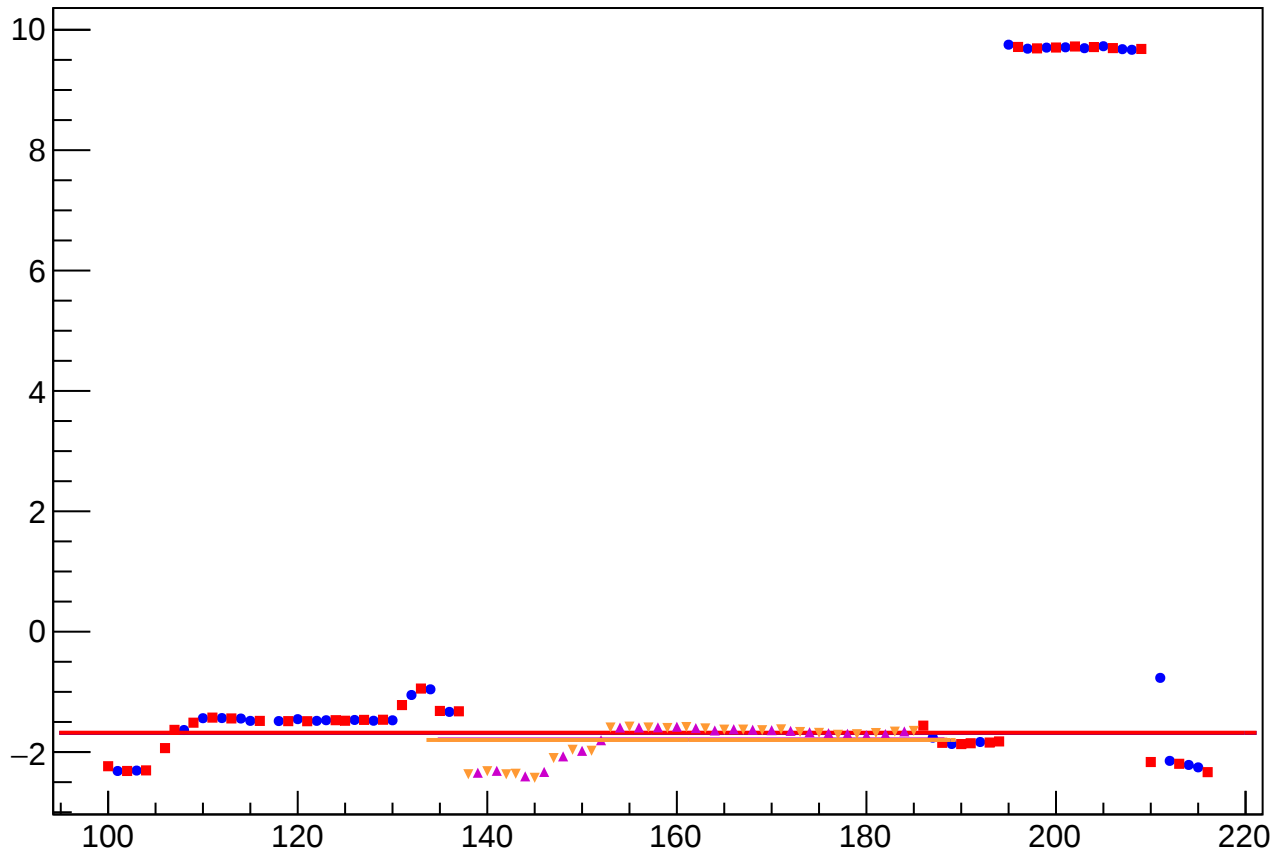
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 8158997.7/56

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 14966567.9/114

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6801489.2/57

yield_bpm0l06Y_mean vs Slug



Right In: -1.683+/-0.000 χ^2/NDF : 402095917540.5/31

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.679+/-0.000 χ^2/NDF : 381488813832.3/34

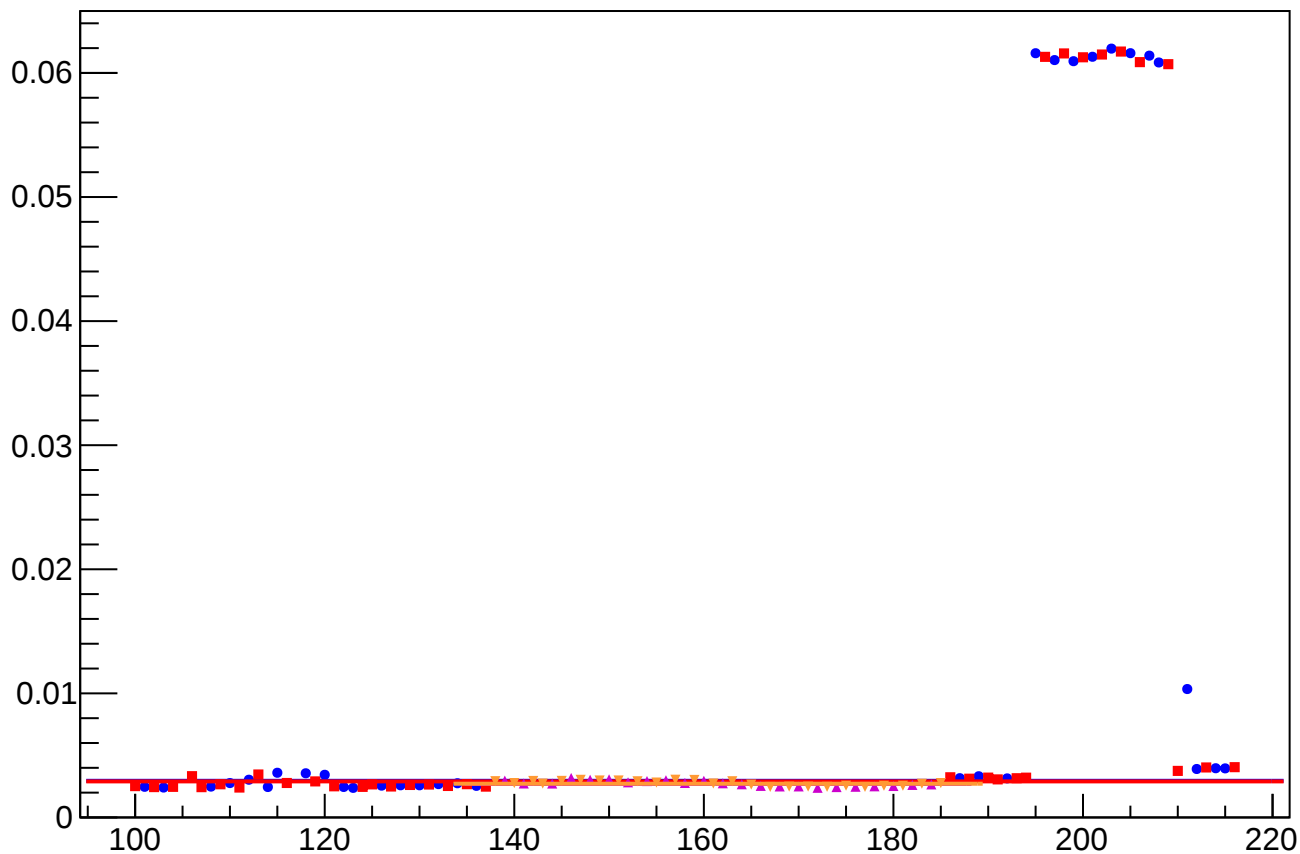
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.760+/-0.000 χ^2/NDF : 598040407799.2/56

All: -1.754+/-0.000 χ^2/NDF : 1150292299630

- sign -1.747+/-0.000 χ^2/NDF : 551951864083.2/57

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 12058701.6/31

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 10218857.9/34

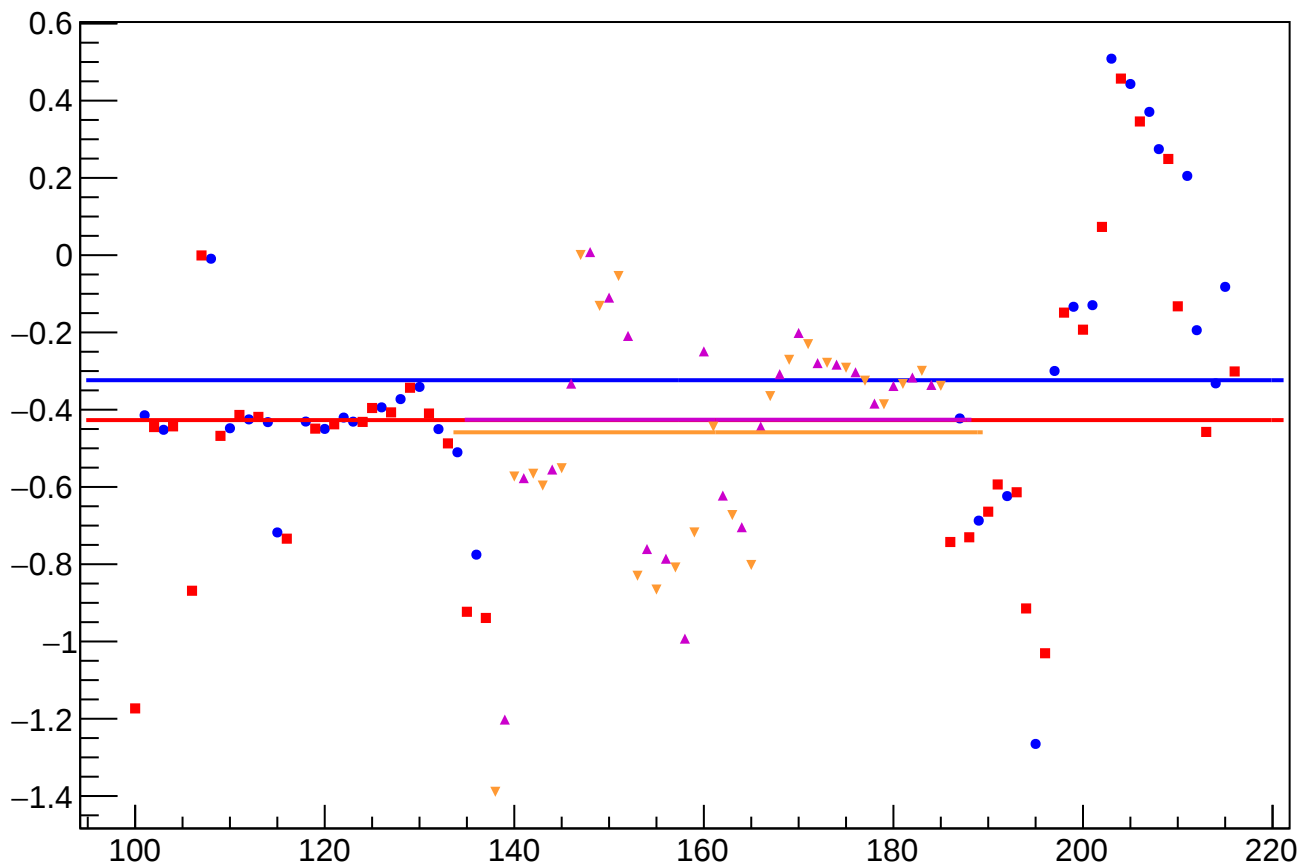
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 12345414.2/56

All: 0.003+/-0.000 χ^2/NDF : 22859310.0/114

- sign 0.003+/-0.000 χ^2/NDF : 10512892.6/57

yield_bpm0l07X_mean vs Slug



Right In: -0.324+/-0.000 χ^2/NDF : 10923398398.8/31

Left Out: -0.459+/-0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.427+/-0.000 χ^2/NDF : 10187357434.4/34

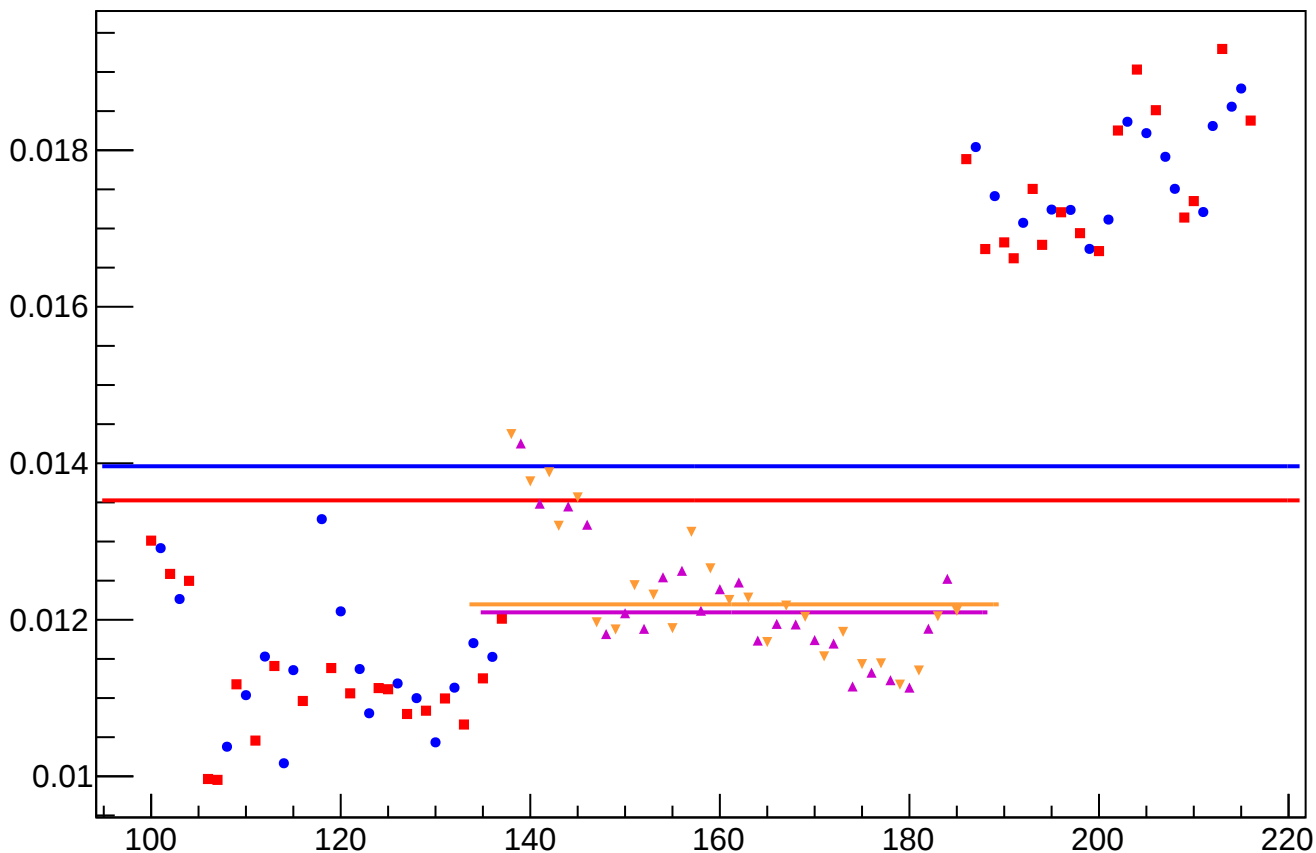
Left In: -0.426+/-0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.403+/-0.000 χ^2/NDF : 21723485155.7/56

All: -0.415+/-0.000 χ^2/NDF : 40390392555.4/100

- sign -0.426+/-0.000 χ^2/NDF : 18611625813.1/57

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1607547.4/31

Left Out: 0.012+/-0.000 χ^2/NDF :141850.9/24

Right Out: 0.014+/-0.000 χ^2/NDF : 1843699.0/34

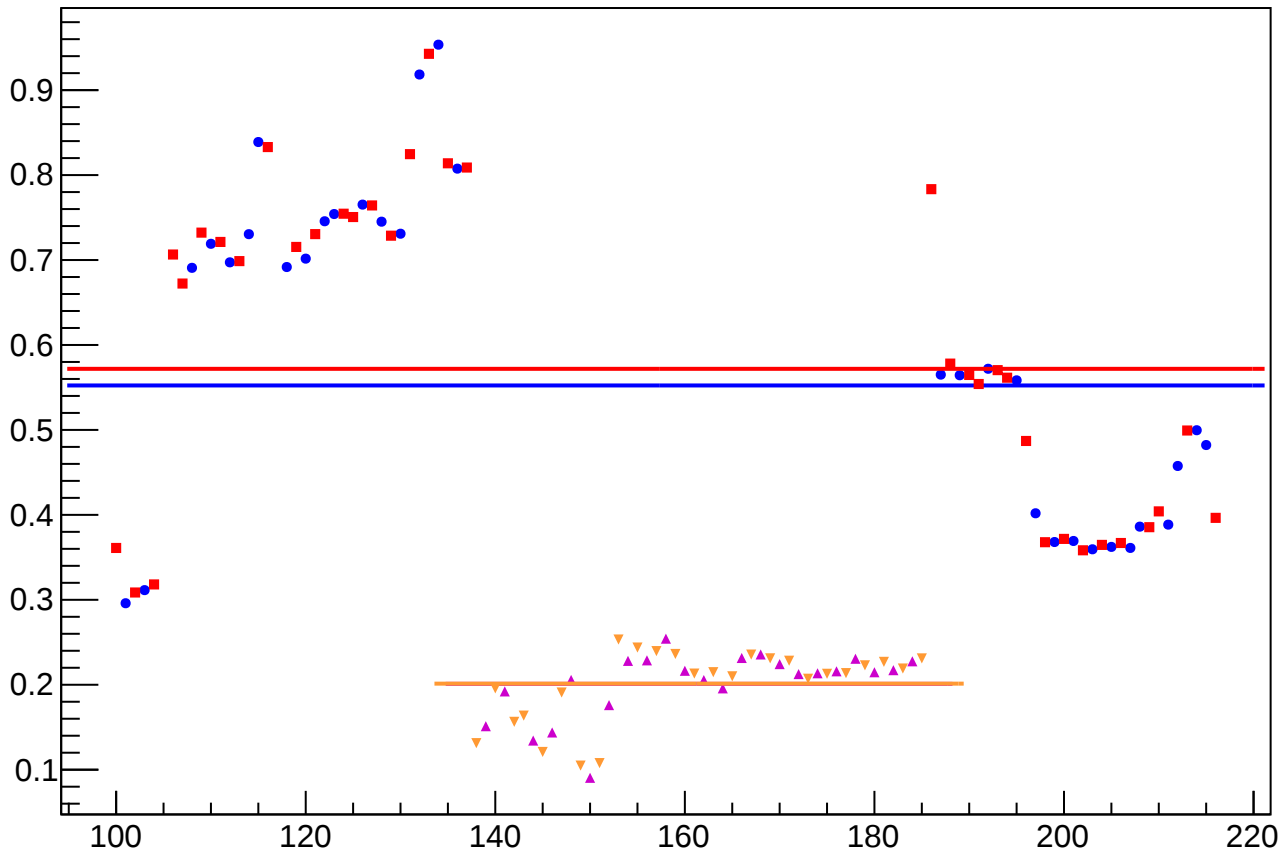
Left In: 0.012+/-0.000 χ^2/NDF :127308.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 2052044.6/56

All: 0.013+/-0.000 χ^2/NDF : 4236603.6/114

- sign 0.013+/-0.000 χ^2/NDF : 2176960.6/57

yield_bpm0l07Y_mean vs Slug



Right In: 0.552 $\pm$ 0.000 χ^2 /NDF: 76584585372.9/31

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.572 $\pm$ 0.000 χ^2 /NDF: 75472609867.1/34

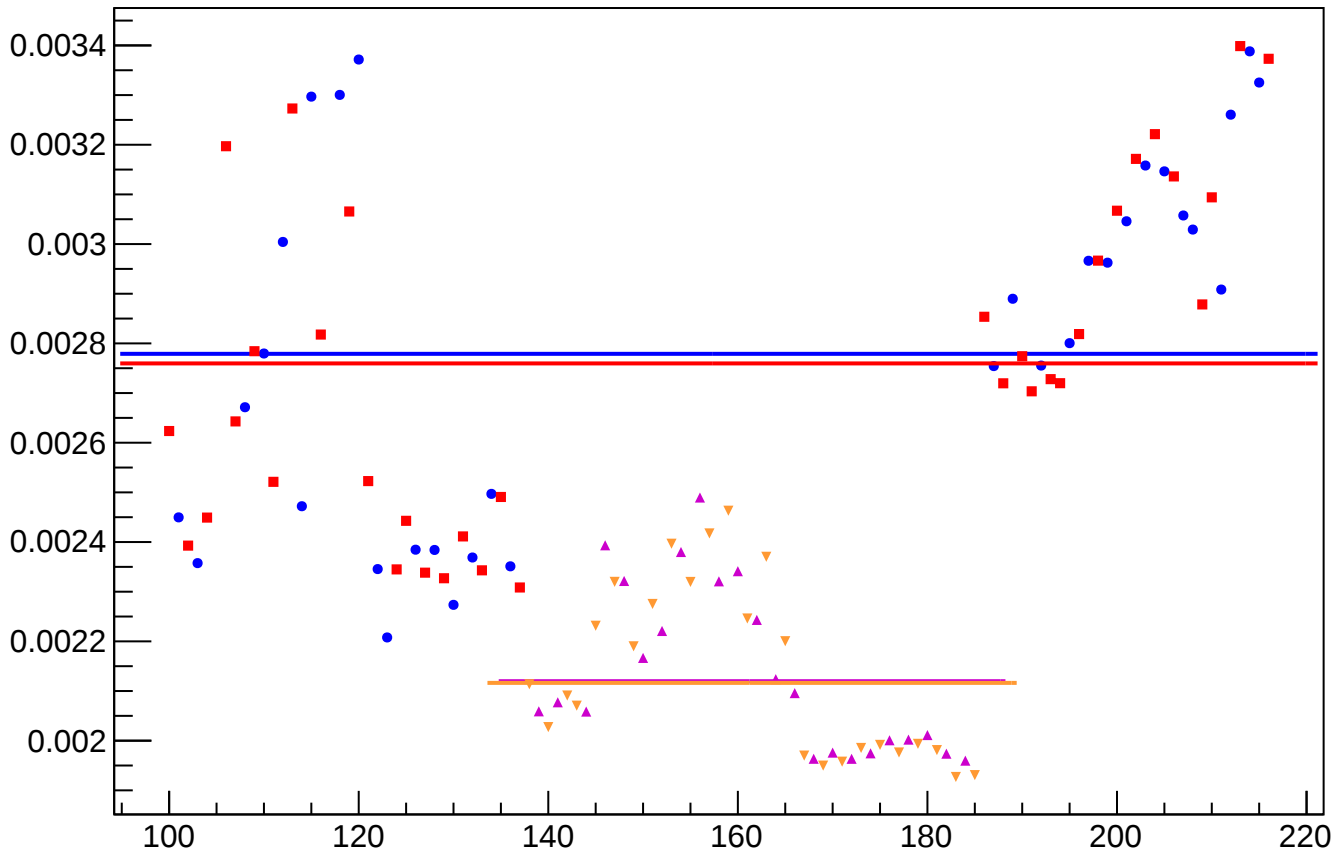
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.323 $\pm$ 0.000 χ^2 /NDF: 256813538234.1/56

All: 0.331 $\pm$ 0.000 χ^2 /NDF: 532794883219.4

- sign 0.338 $\pm$ 0.000 χ^2 /NDF: 275268416669.6/57

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 533367.5/31

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:224498.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 443595.5/34

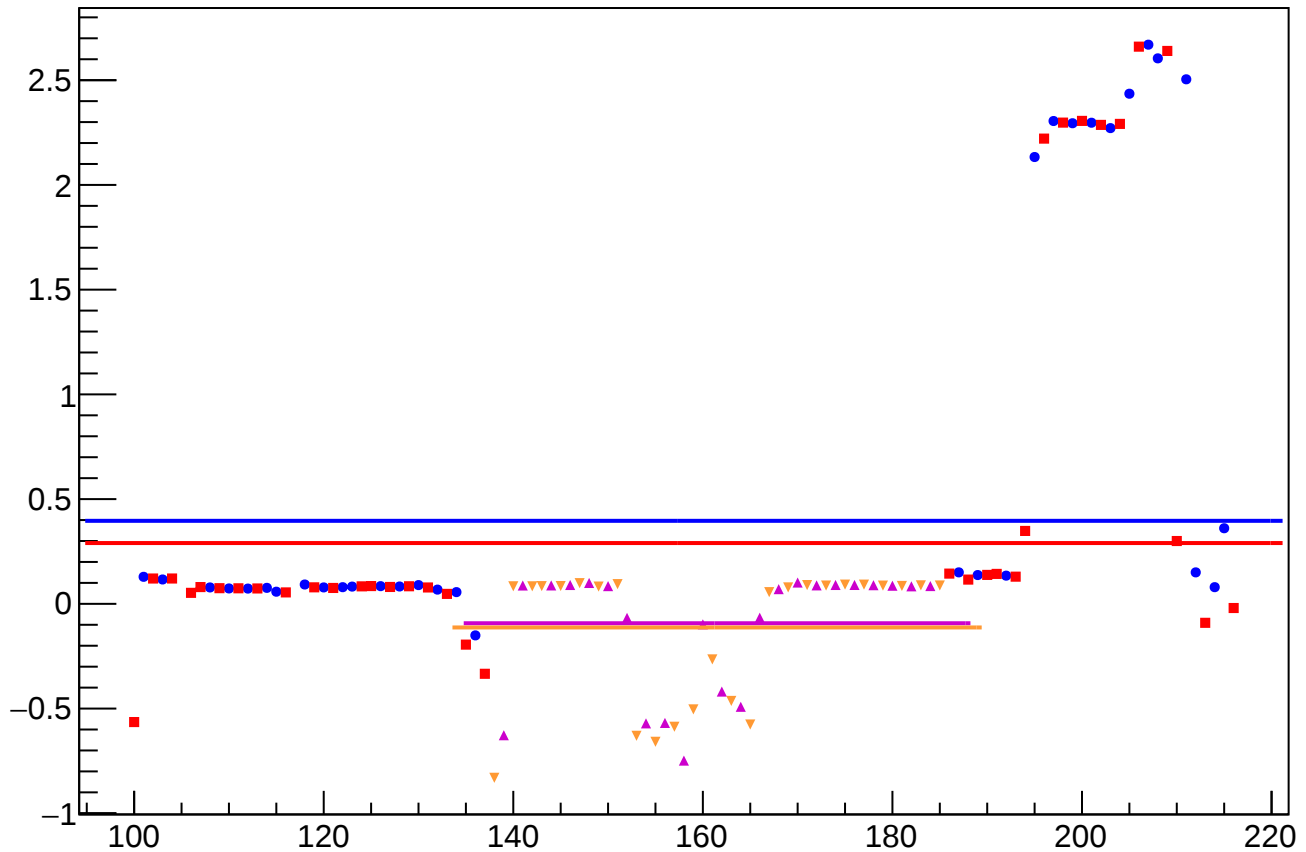
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:189228.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1991631.5/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 3780867.9/114

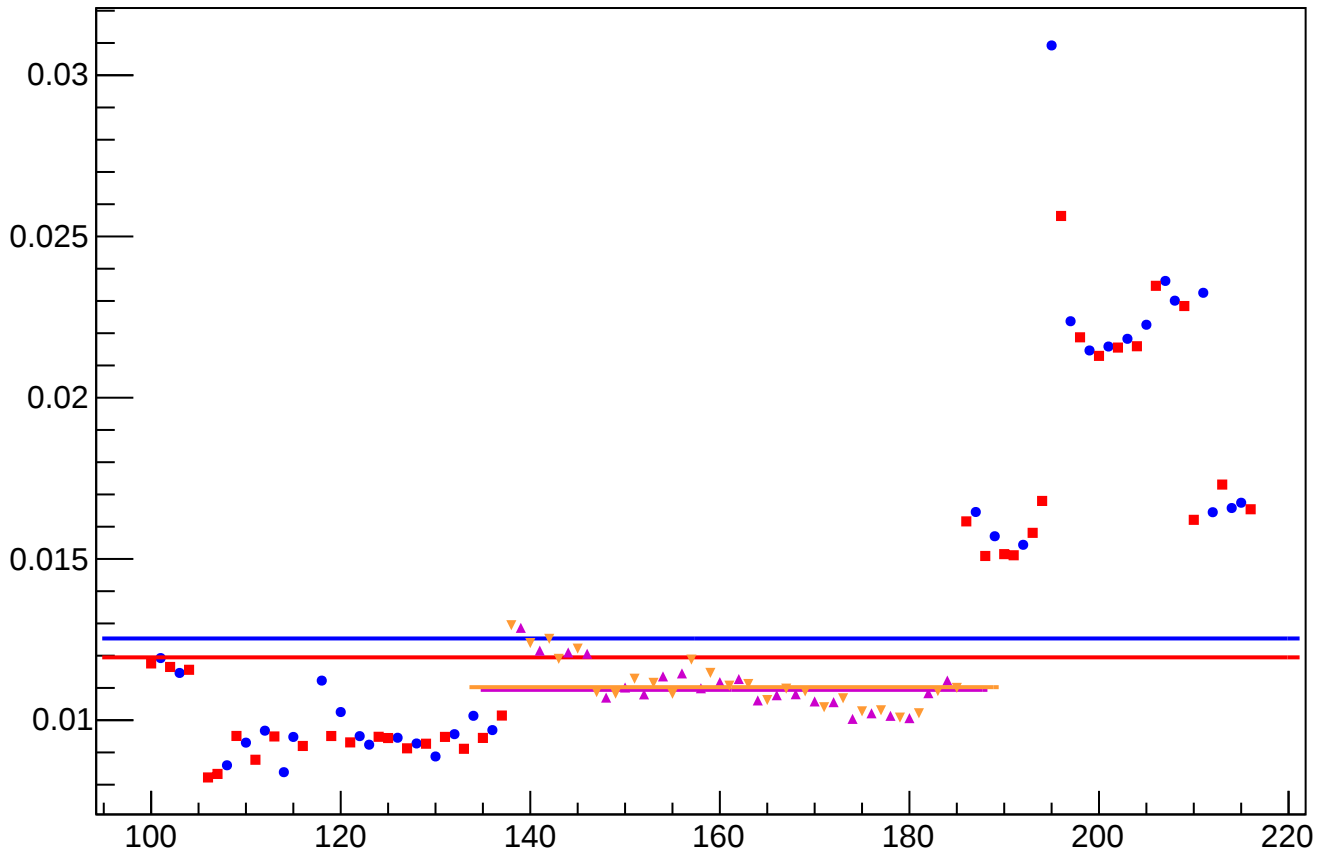
- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1788571.1/57

yield_bpm0l08X_mean vs Slug



Right In: 0.396+/-0.000	χ^2/NDF : 61376458294.8/31	+ sign 0.088+/-0.000	χ^2/NDF : 89823086124.9/56
Left Out: -0.113+/-0.000	χ^2/NDF : 13667354077.1/24	All: 0.081+/-0.000	χ^2/NDF : 162202807797.6
Right Out: 0.290+/-0.000	χ^2/NDF : 52404457385.5/34	- sign 0.075+/-0.000	χ^2/NDF : 72360046096.1/57
Left In: -0.093+/-0.000	χ^2/NDF : 11051944893.7/22		

yield_bpm0l08X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 4465808.1/31

Left Out: 0.011+/-0.000 χ^2/NDF :141501.7/24

Right Out: 0.012+/-0.000 χ^2/NDF : 4143282.9/34

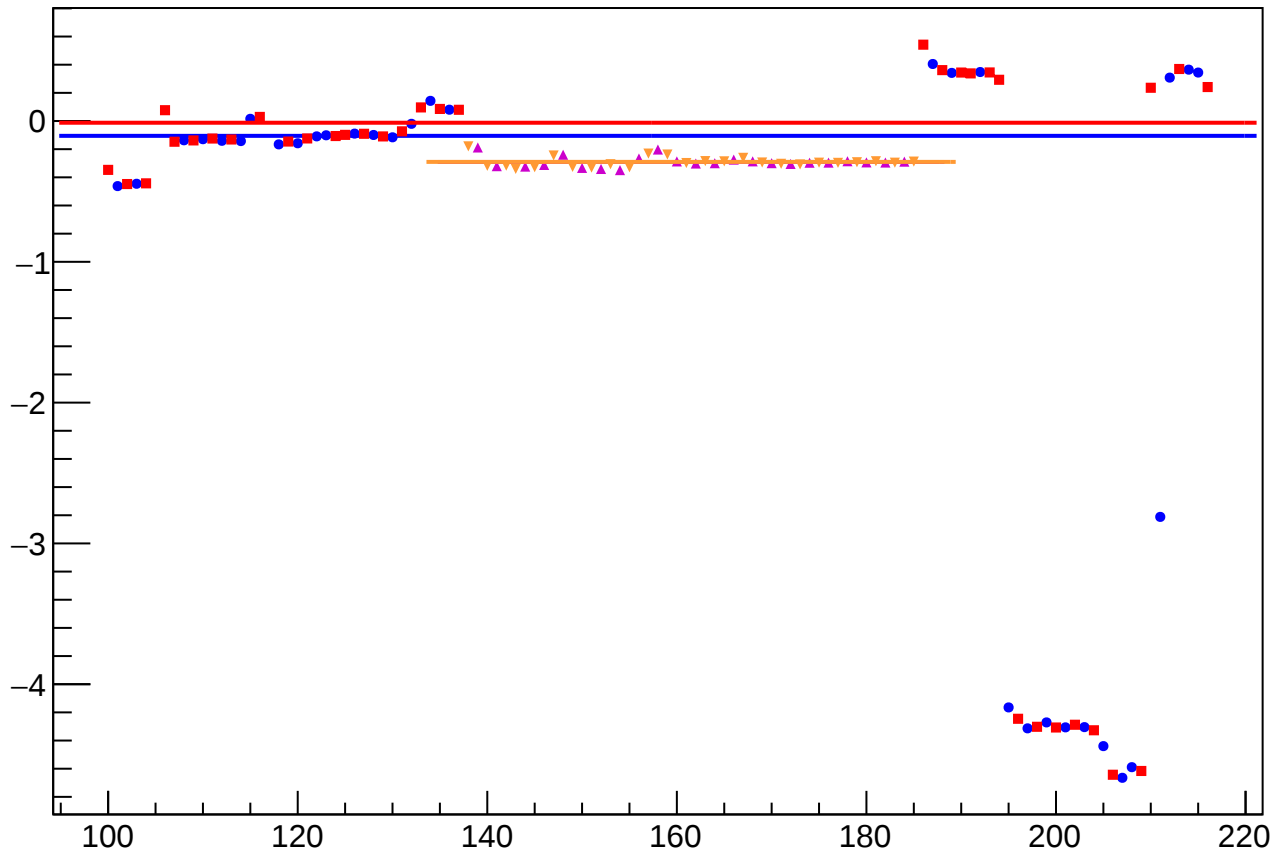
Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

+ sign 0.012+/-0.000 χ^2/NDF : 4867408.7/56

All: 0.011+/-0.000 χ^2/NDF : 9276550.3/114

- sign 0.011+/-0.000 χ^2/NDF : 4395529.1/57

yield_bpm0l08Y_mean vs Slug



Right In: -0.105 ± 0.000 χ^2/NDF : 387655162290.6/31

Left Out: -0.290 ± 0.000 χ^2/NDF : 2877519093.0/24

+ sign -0.255 ± 0.000 χ^2/NDF : 405815067205.5/56

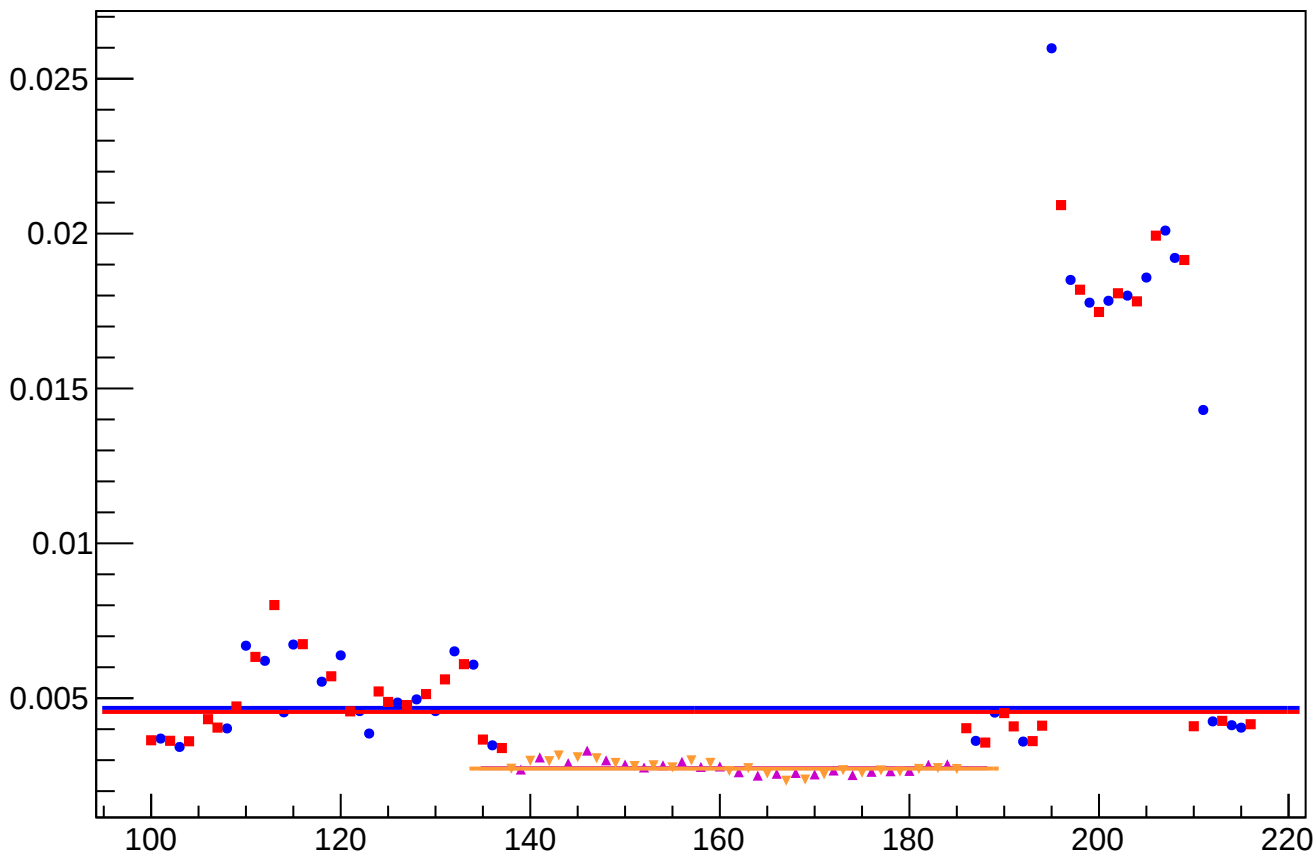
Right Out: -0.012 ± 0.000 χ^2/NDF : 345864163740.6/34

All: -0.242 ± 0.000 χ^2/NDF : 794464302976.5

- sign -0.228 ± 0.000 χ^2/NDF : 387589984824.8/57

Left In: -0.291 ± 0.000 χ^2/NDF : 3125402243.3/22

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 8581345.9/31

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 6975435.8/34

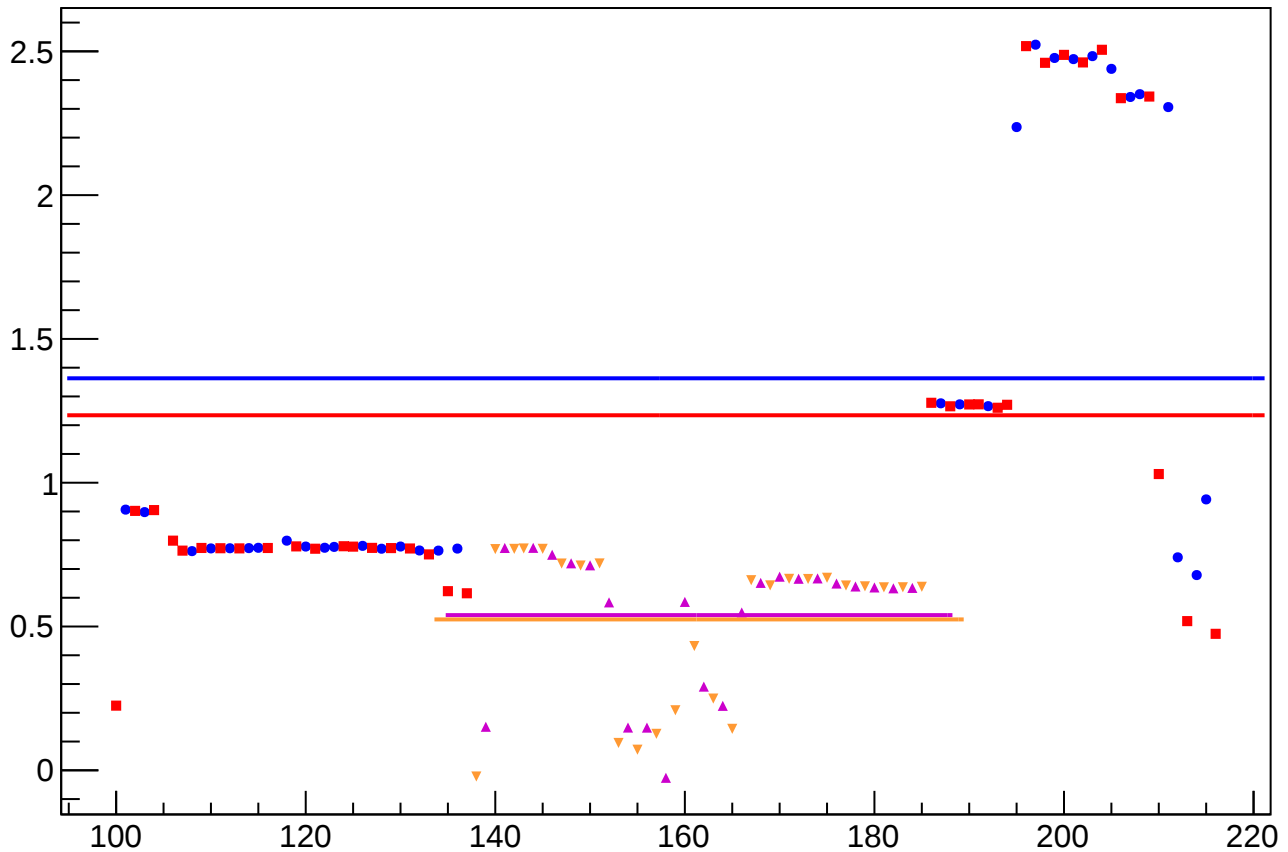
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 12214589.8/56

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 22615131.3/114

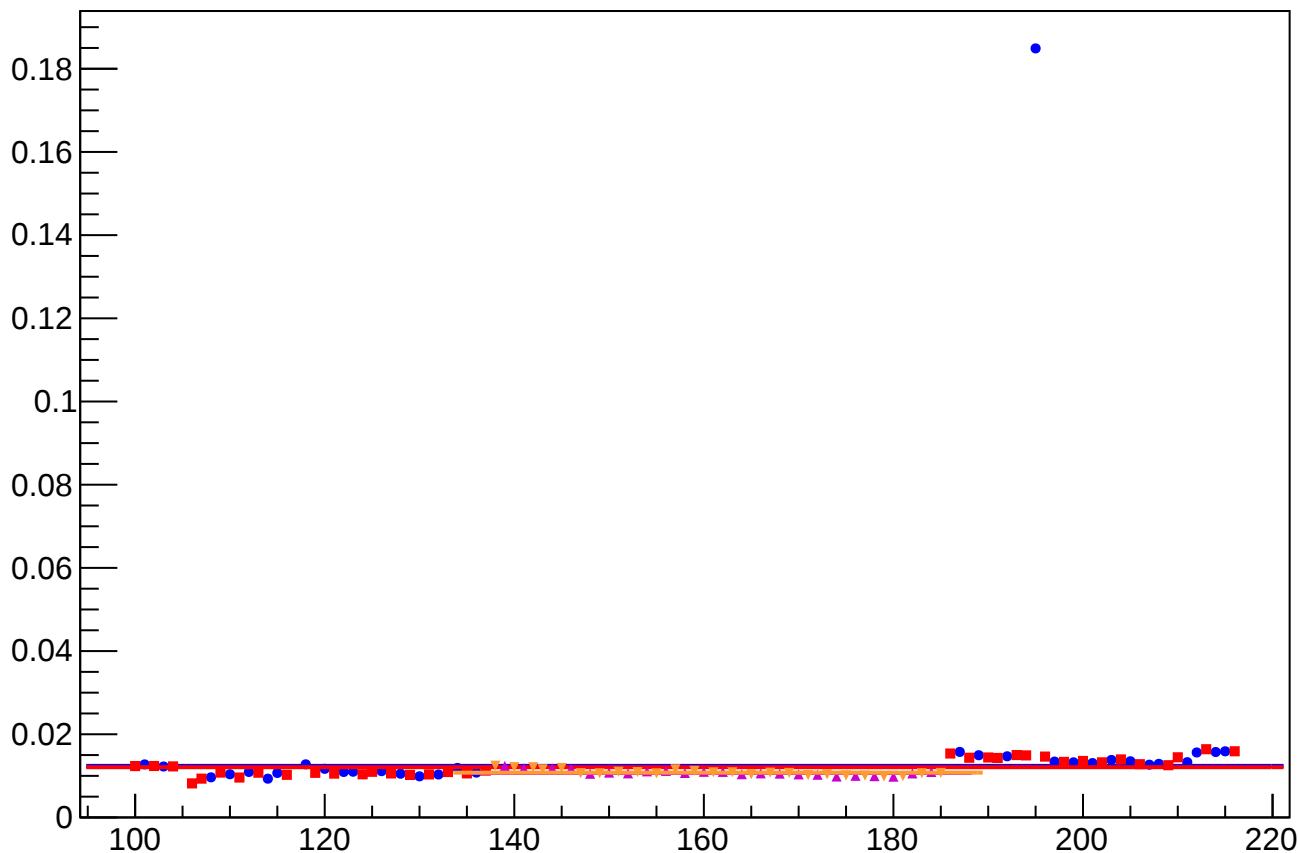
- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10392582.0/57

yield_bpm0l09X_mean vs Slug



Right In: 1.363+/-0.000	χ^2/NDF : 59276306343.5/31	+ sign 0.863+/-0.000	χ^2/NDF : 112138380760.3/56
Left Out: 0.525+/-0.000	χ^2/NDF : 9623503169.9/24	All: 0.853+/-0.000	χ^2/NDF : 206860000874.9
Right Out: 1.235+/-0.000	χ^2/NDF : 56101004442.5/34	- sign 0.842+/-0.000	χ^2/NDF : 94667932722.9/57
Left In: 0.540+/-0.000	χ^2/NDF : 7860539135.5/22		

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2114475.1/31

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 943342.9/34

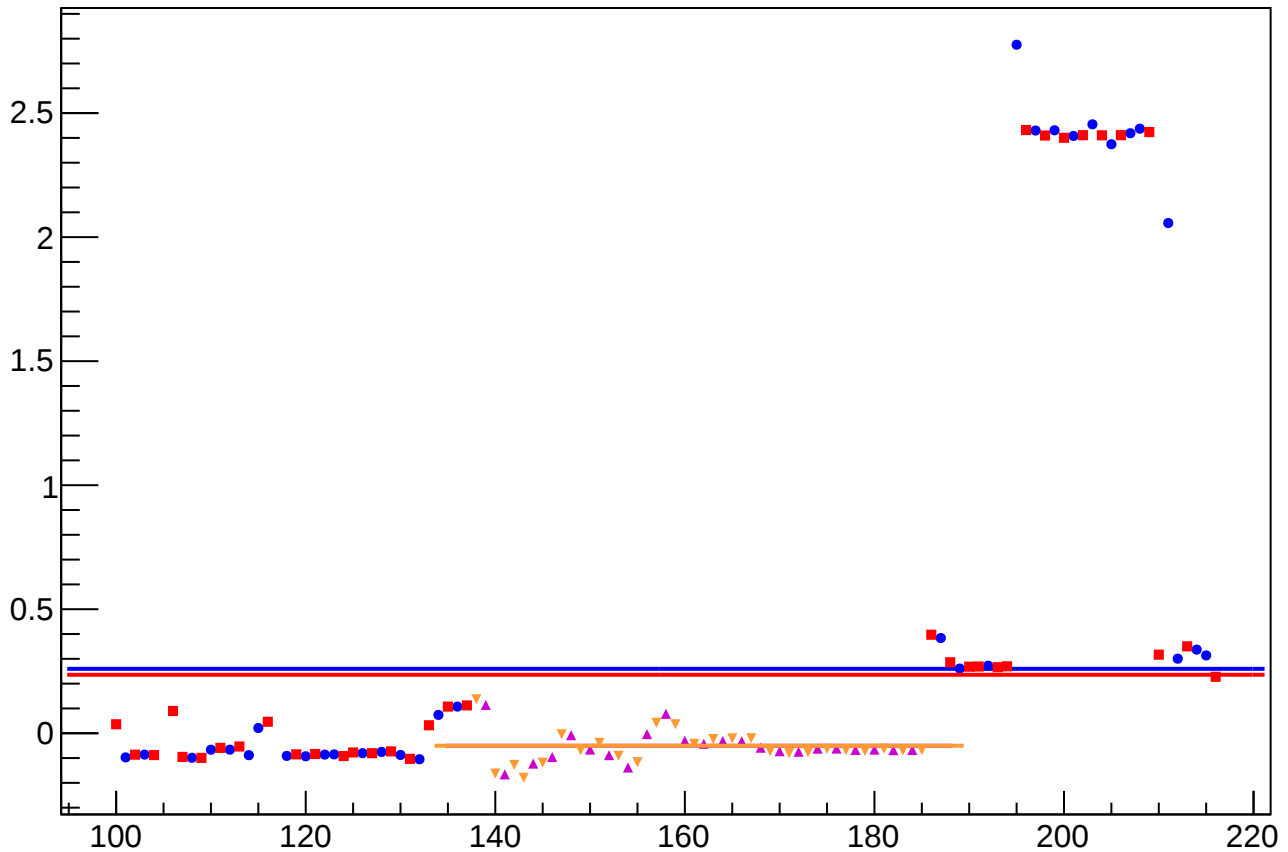
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2572329.1/56

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3884787.9/114

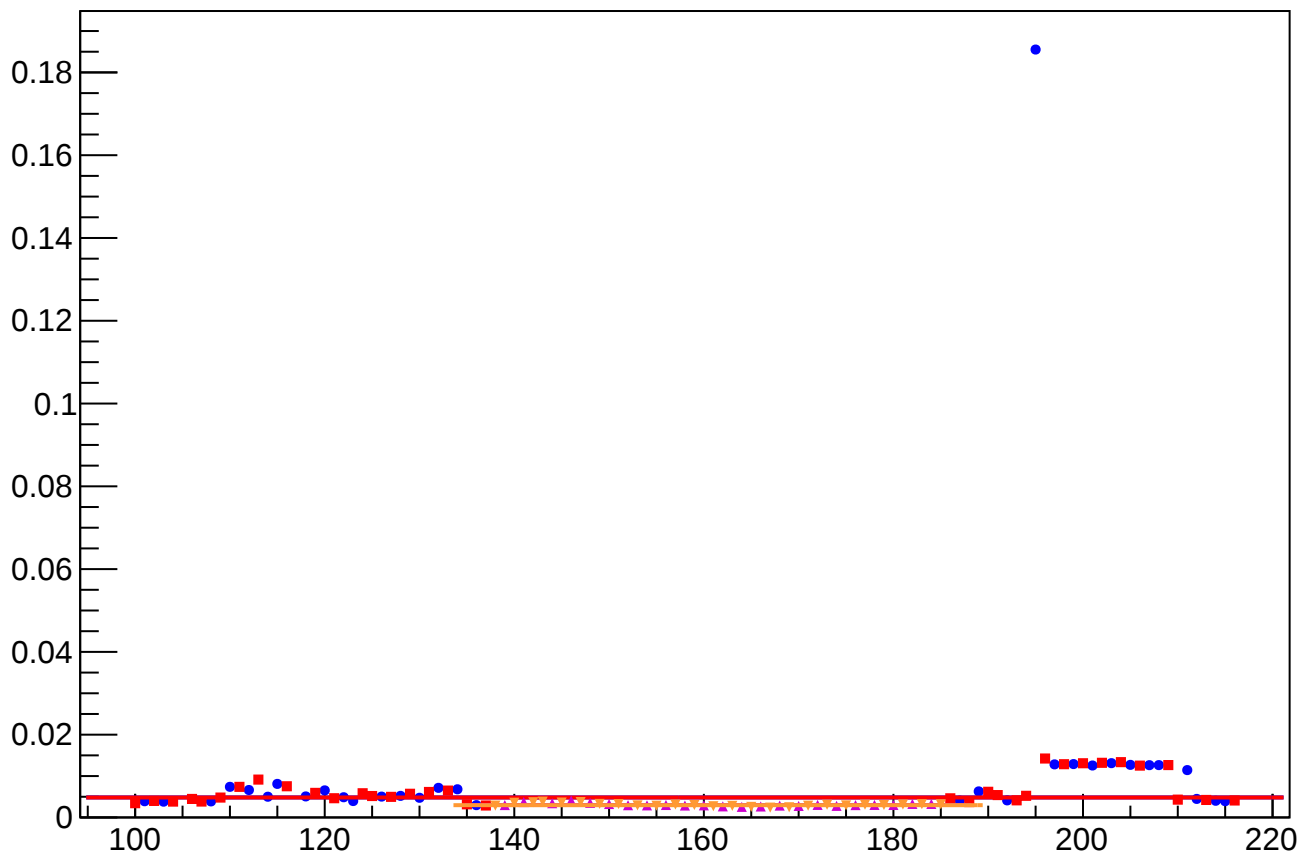
- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1308181.1/57

yield_bpm0l09Y_mean vs Slug



Right In: 0.260+/-0.000	χ^2/NDF : 195912507644.6/31	+ sign 0.016+/-0.000	χ^2/NDF : 243261712571.8/56
Left Out: -0.050+/-0.000	χ^2/NDF : 7271496478.6/24	All: 0.018+/-0.000	χ^2/NDF : 445342293595.0
Right Out: 0.236+/-0.000	χ^2/NDF : 160226518939.1/34	- sign 0.019+/-0.000	χ^2/NDF : 202068498072.2/57
Left In: -0.051+/-0.000	χ^2/NDF : 6128769990.8/22		

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 7446829.2/31

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 5195309.0/34

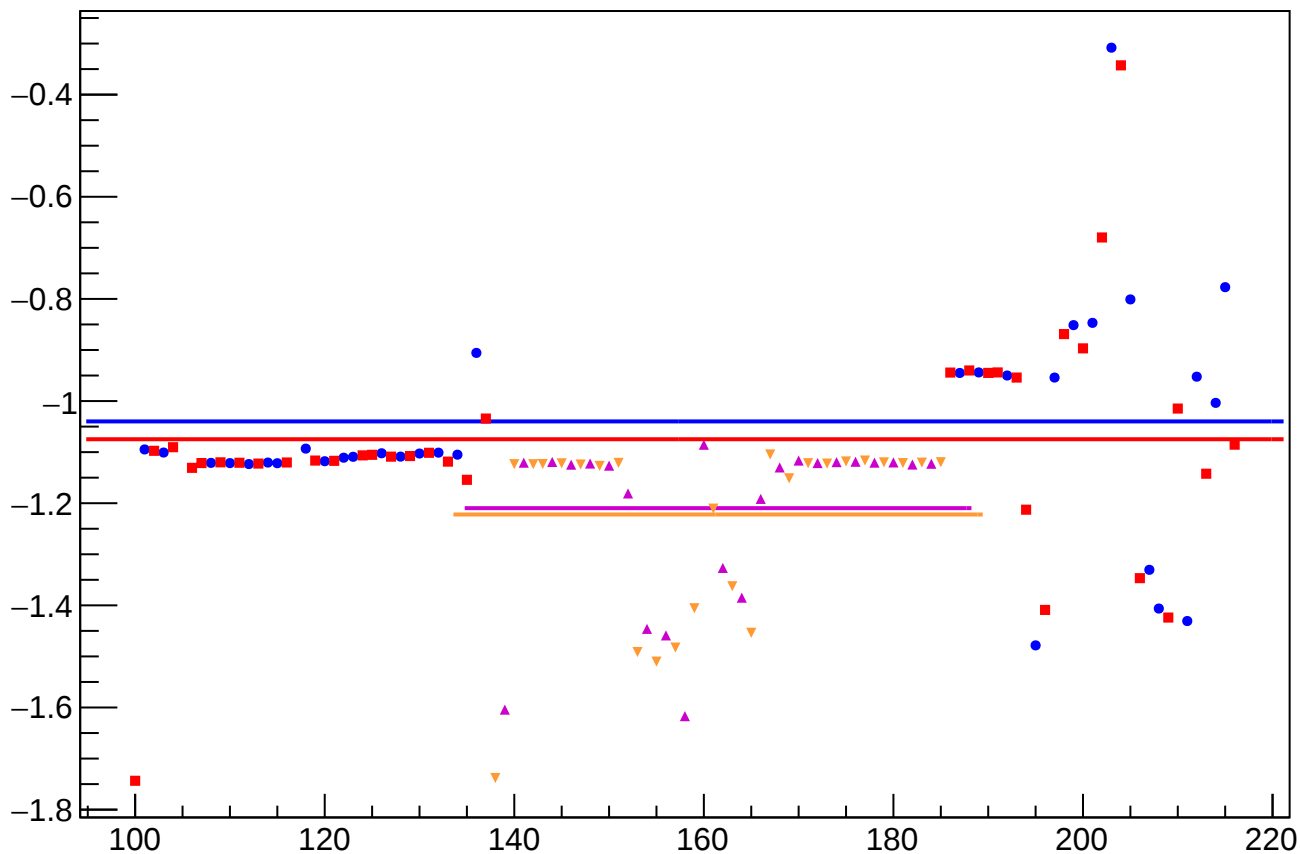
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 10866497.7/56

All: 0.003+/-0.000 χ^2/NDF : 19278556.0/114

- sign 0.003+/-0.000 χ^2/NDF : 8395845.1/57

yield_bpm0l10X_mean vs Slug



Right In: -1.040 ± 0.000 $\chi^2/\text{NDF}: 5871868532.3/31$

Left Out: -1.222 ± 0.000 $\chi^2/\text{NDF}: 5279548861.3/24$

Right Out: -1.075 ± 0.000 $\chi^2/\text{NDF}: 4663075144.6/34$

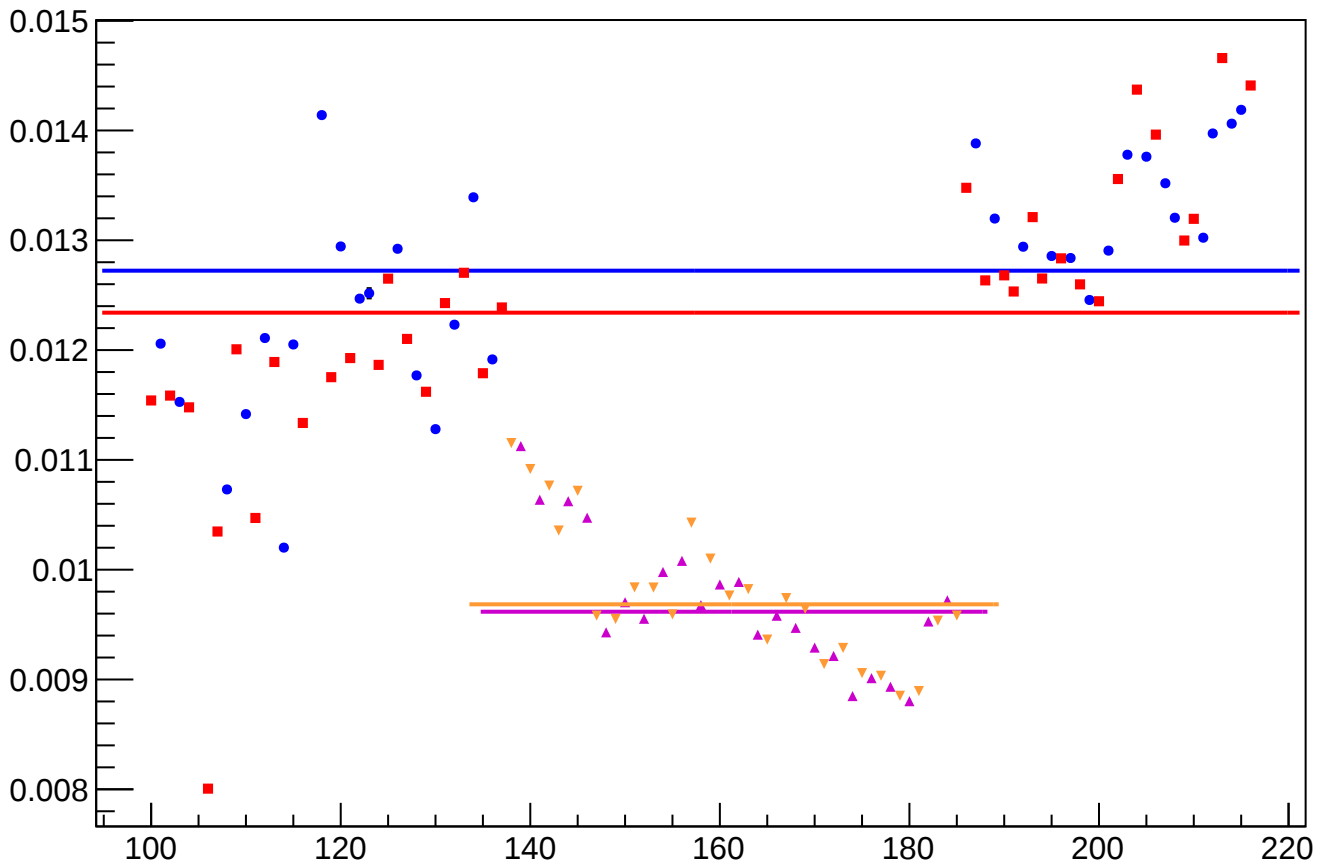
Left In: -1.210 ± 0.000 $\chi^2/\text{NDF}: 4502367902.8/22$

+ sign -1.158 ± 0.000 $\chi^2/\text{NDF}: 13377557296.3/56$

All: -1.158 ± 0.000 $\chi^2/\text{NDF}: 23811300711.9/119$

- sign -1.158 ± 0.000 $\chi^2/\text{NDF}: 10433738945.9/57$

yield_bpm0l10X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 177214.7/31

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 396468.8/34

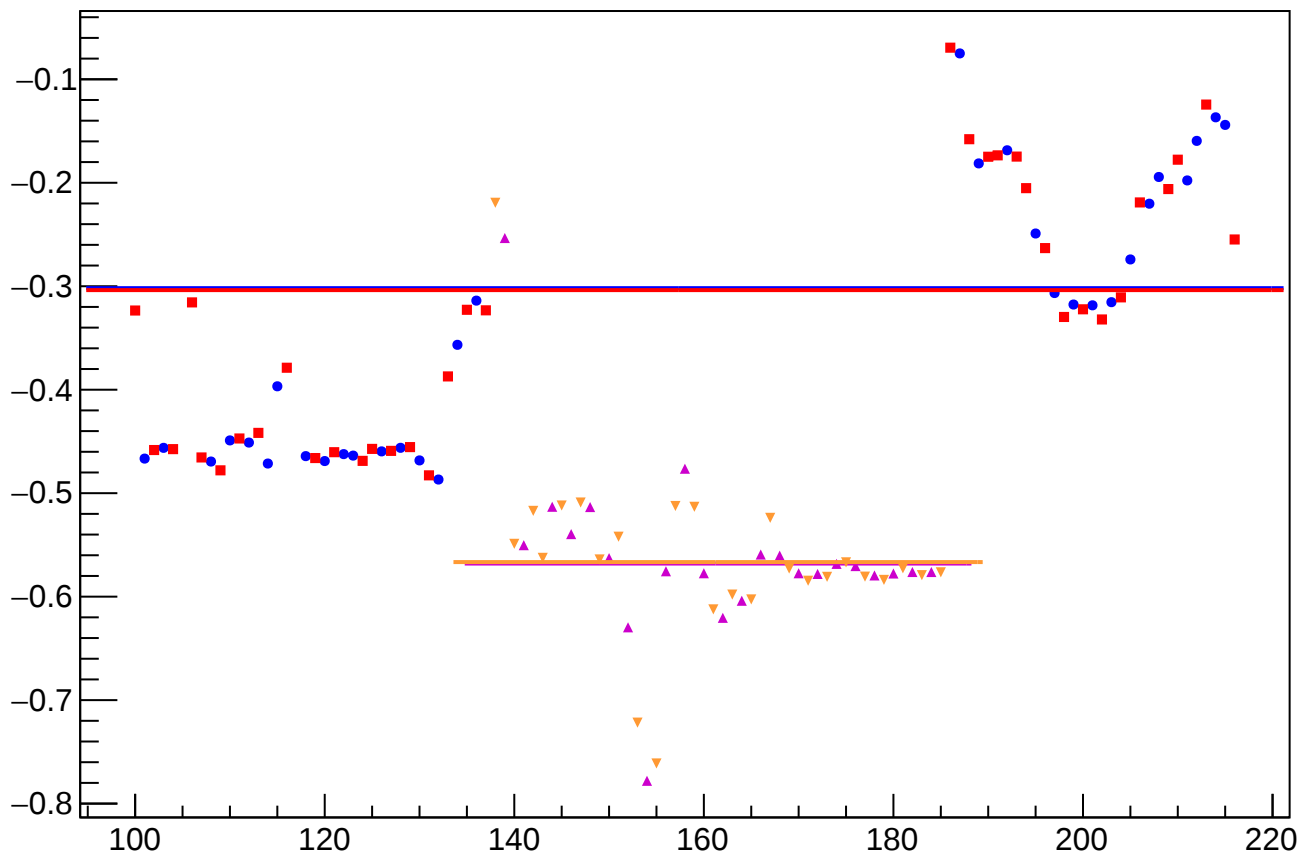
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1549319.9/56

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3101938.9/114

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1549938.0/57

yield_bpm0l10Y_mean vs Slug



Right In: -0.302 ± 0.000 χ^2/NDF : 14458347809.6/31

Left Out: -0.567 ± 0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.304 ± 0.000 χ^2/NDF : 14426135361.2/34

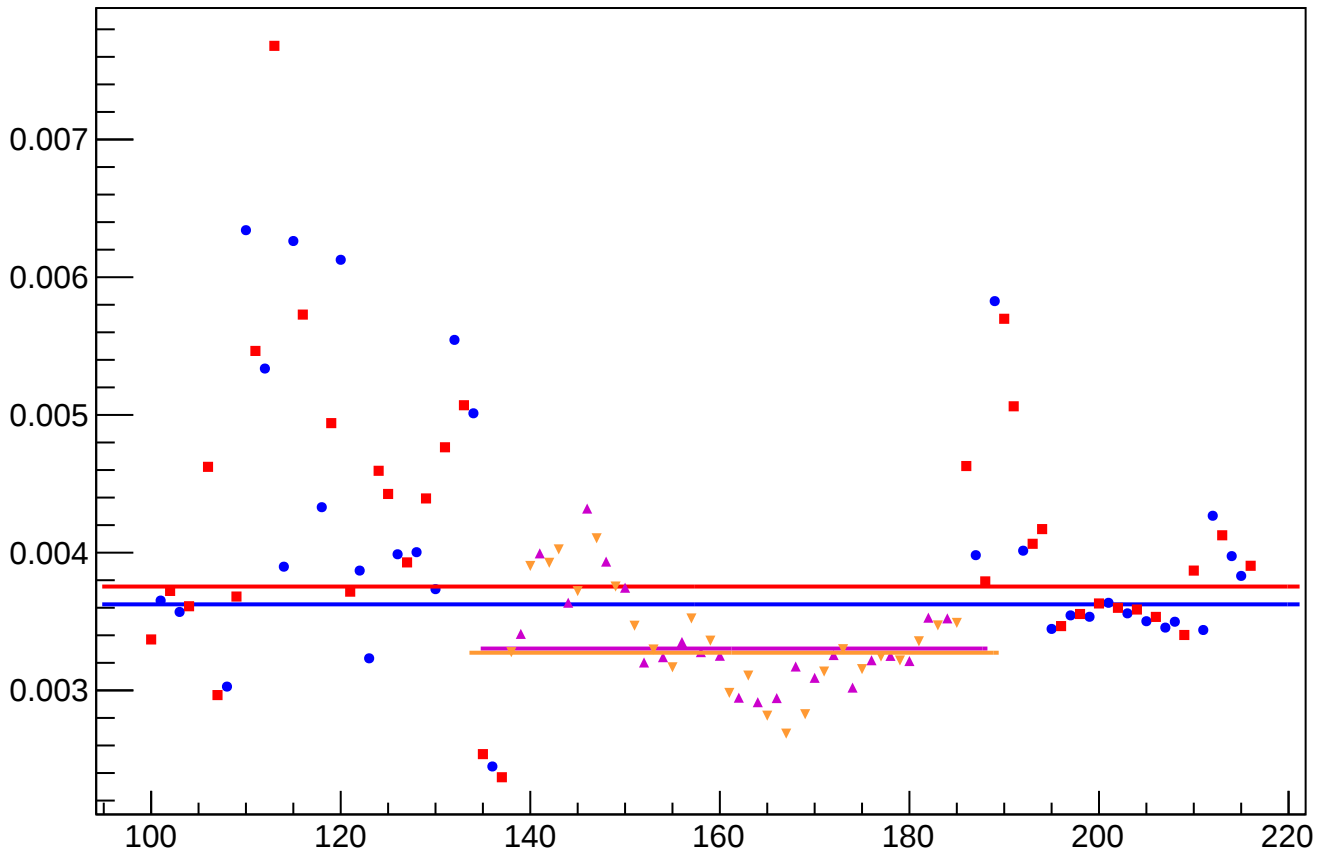
Left In: -0.568 ± 0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.454 ± 0.000 χ^2/NDF : 75697532982.8/56

All: -0.453 ± 0.000 χ^2/NDF : 145621206227.8

- sign -0.453 ± 0.000 χ^2/NDF : 69922460143.0/57

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 1052063.4/31

Left Out: 0.003+/-0.000 χ^2/NDF : 394865.4/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1100995.2/34

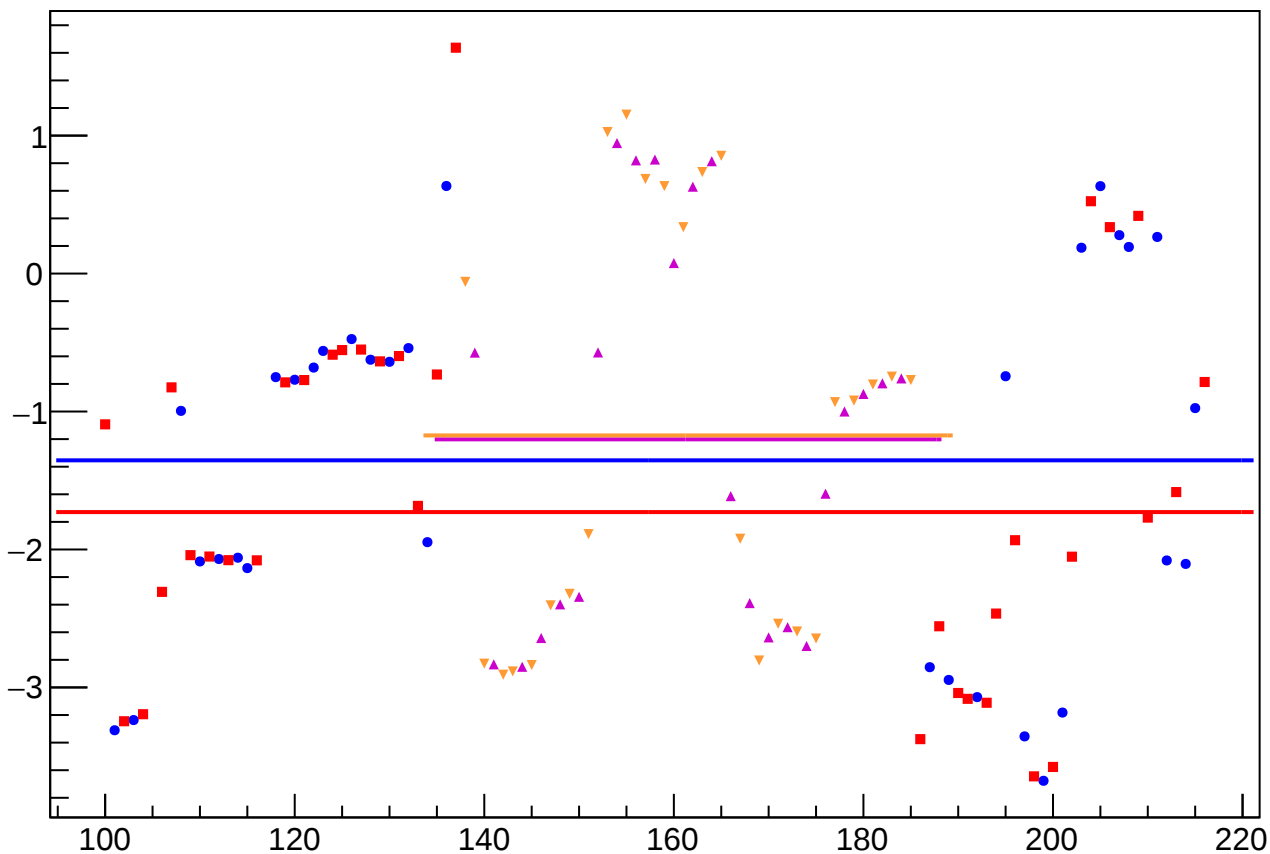
Left In: 0.003+/-0.000 χ^2/NDF : 286064.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 1615445.4/56

All: 0.003+/-0.000 χ^2/NDF : 3279970.3/114

- sign 0.004+/-0.000 χ^2/NDF : 1648528.9/57

yield_bpm0r03X_mean vs Slug



Right In: -1.354 ± 0.000 χ^2/NDF : 6237618386.9/31

Left Out: -1.173 ± 0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.729 ± 0.000 χ^2/NDF : 5291304014.6/34

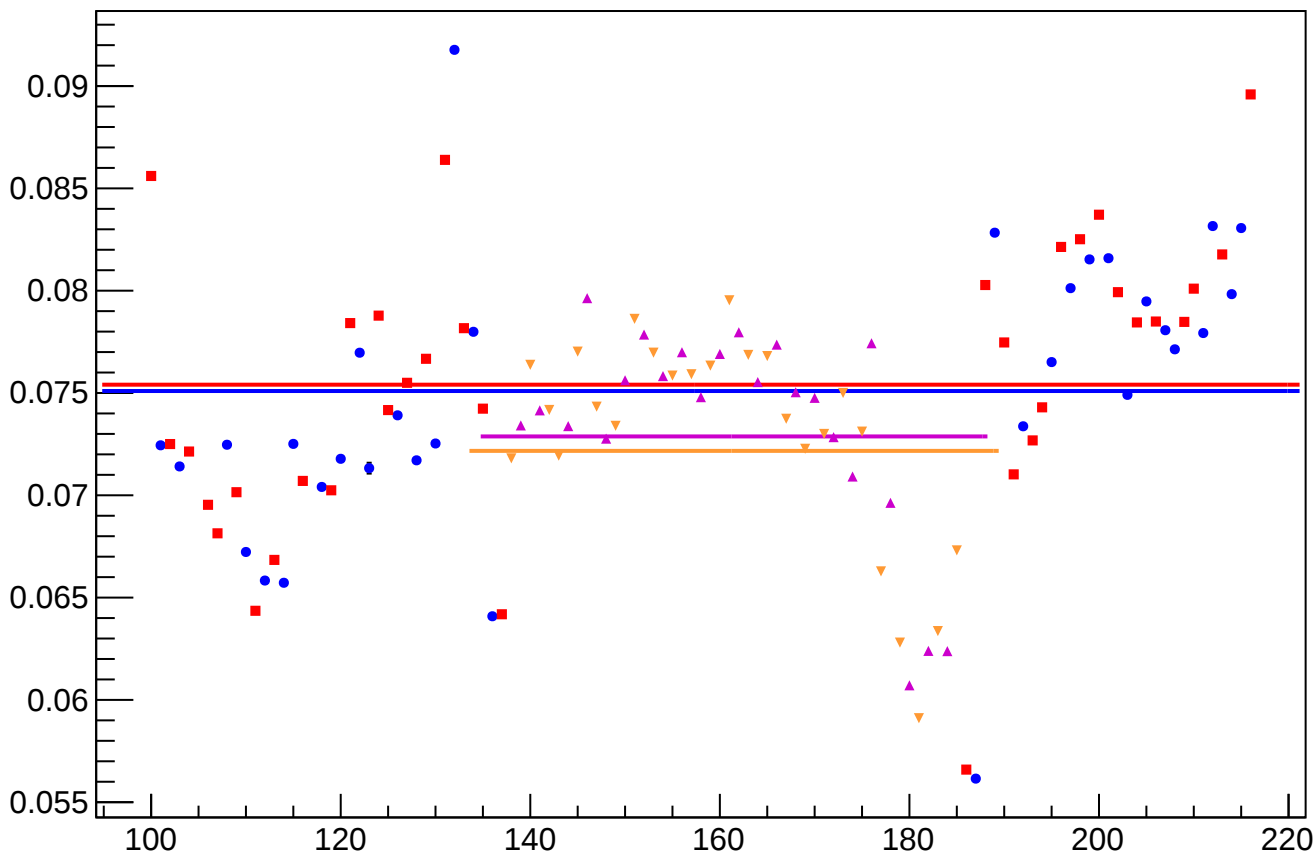
Left In: -1.202 ± 0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.257 ± 0.000 χ^2/NDF : 13173002873.7/56

All: -1.358 ± 0.000 χ^2/NDF : 24640268826.0/100

- sign -1.461 ± 0.000 χ^2/NDF : 11334706003.7/57

yield_bpm0r03X_rms vs Slug



Right In: 0.075+/-0.000 χ^2/NDF : 230666.3/31

Left Out: 0.072+/-0.000 χ^2/NDF :222263.8/24

Right Out: 0.075+/-0.000 χ^2/NDF : 284382.4/34

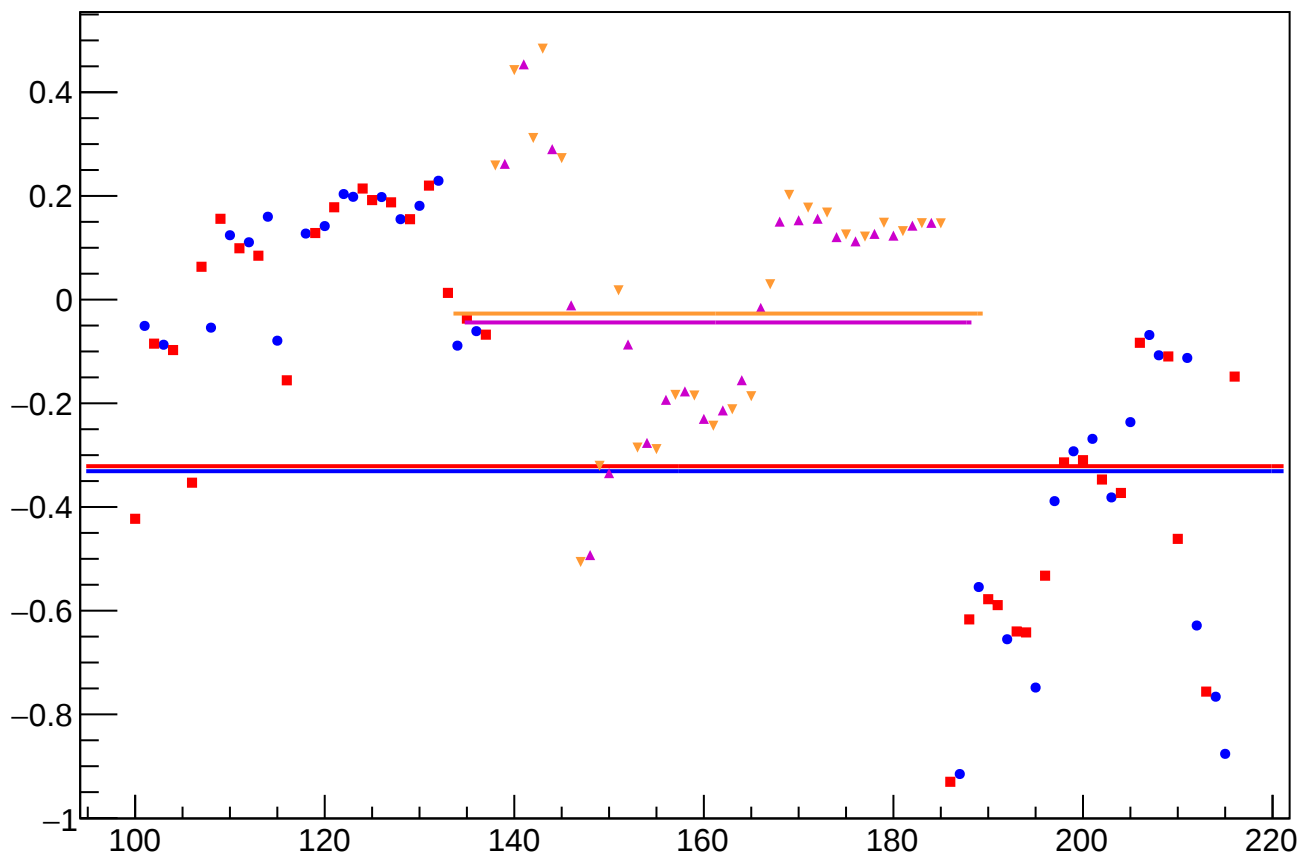
Left In: 0.073+/-0.000 χ^2/NDF :183503.0/22

+ sign 0.074+/-0.000 χ^2/NDF : 480558.4/56

All: 0.074+/-0.000 χ^2/NDF : 970736.9/114

- sign 0.074+/-0.000 χ^2/NDF : 487982.6/57

yield_bpm0r03Y_mean vs Slug



Right In: -0.331+/-0.000 χ^2/NDF : 22640760348.5/31

Left Out: -0.027+/-0.000 χ^2/NDF : 20376761328.6/24

Right Out: -0.321+/-0.000 χ^2/NDF : 15800723352.0/34

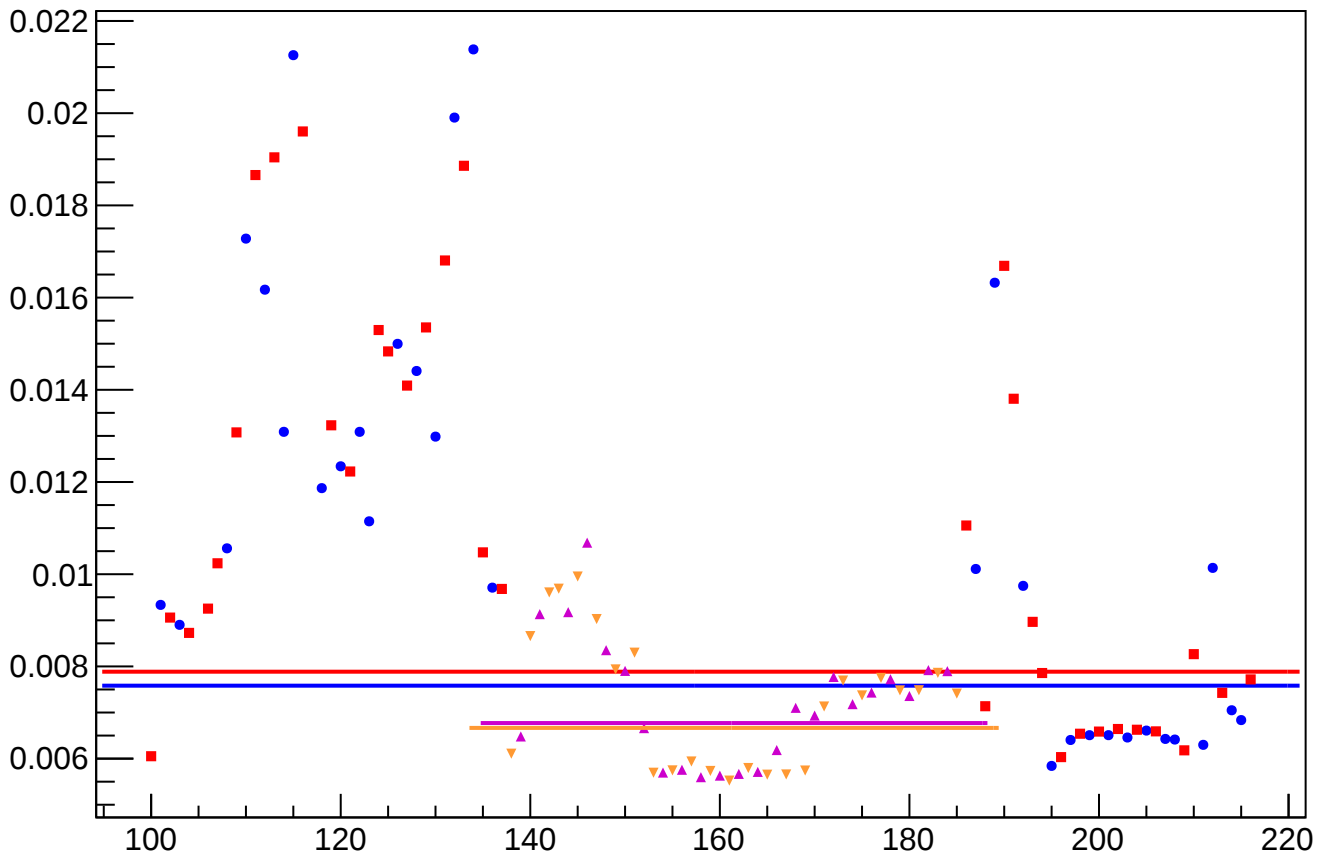
Left In: -0.044+/-0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.151+/-0.000 χ^2/NDF : 57241122069.5/56

All: -0.154+/-0.000 χ^2/NDF : 99666745204.5/100

- sign -0.158+/-0.000 χ^2/NDF : 42409768335.3/57

yield_bpm0r03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2963149.6/31

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3080389.4/34

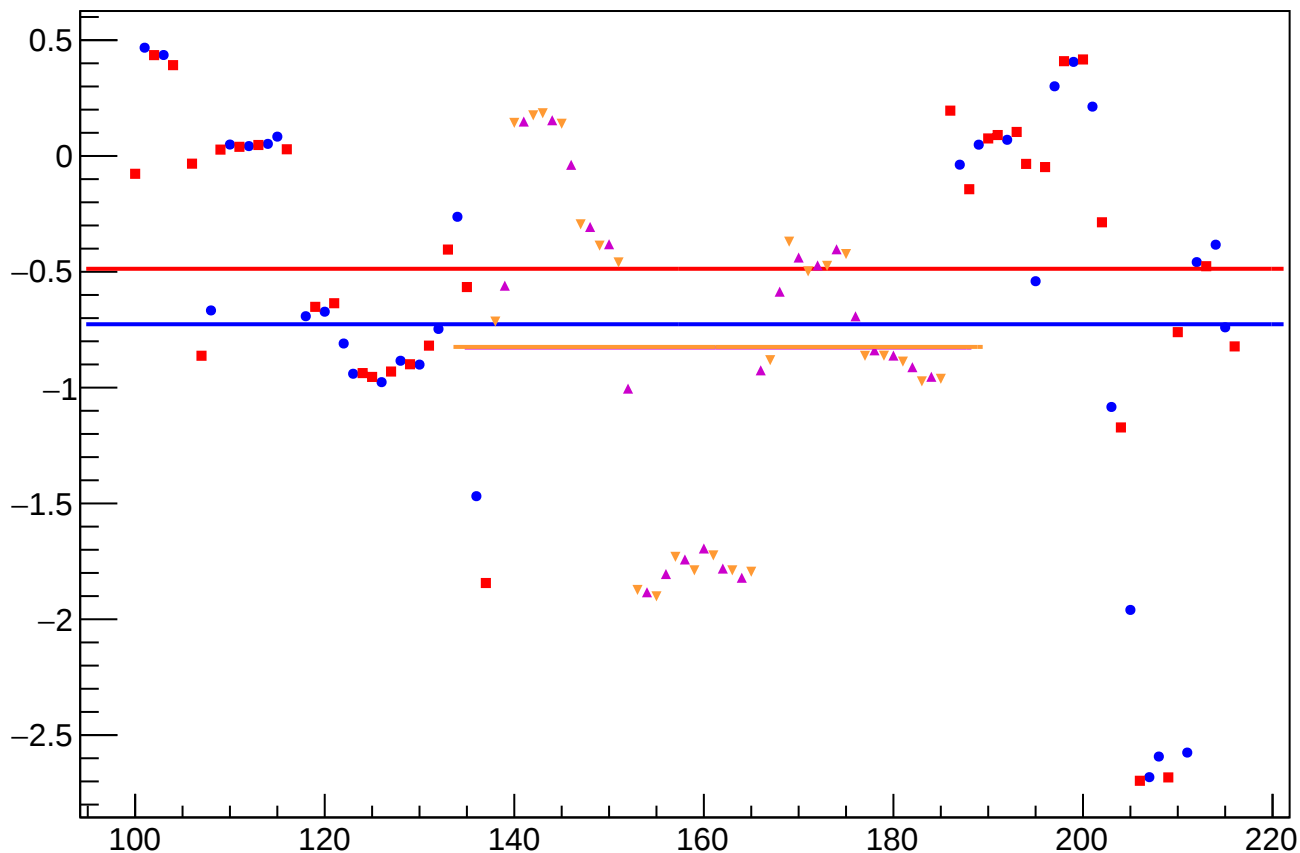
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4365271.2/56

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8753336.9/114

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4366056.1/57

yield_bpm0r05X_mean vs Slug



Right In: -0.726 ± 0.000 $\chi^2/\text{NDF}: 1766746051.3/31$

Left Out: -0.824 ± 0.000 $\chi^2/\text{NDF}: 1103610806.5/24$

Right Out: -0.487 ± 0.000 $\chi^2/\text{NDF}: 1481047032.0/34$

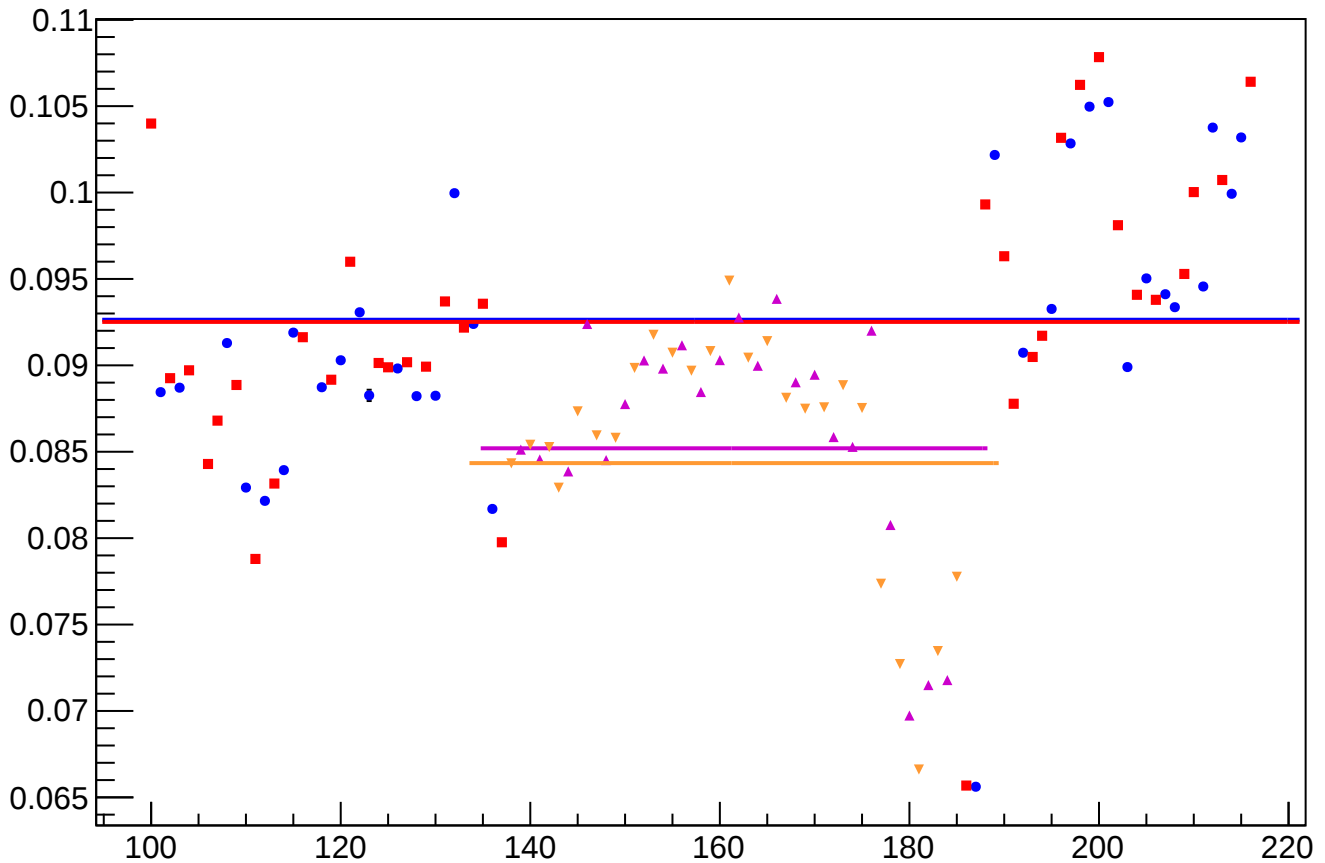
Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 921651117.3/22$

+ sign -0.781 ± 0.000 $\chi^2/\text{NDF}: 2881118433.4/56$

All: -0.725 ± 0.000 $\chi^2/\text{NDF}: 5440146504.4/1$

- sign -0.668 ± 0.000 $\chi^2/\text{NDF}: 2530180922.8/57$

yield_bpm0r05X_rms vs Slug



Right In: 0.093 $\pm$ 0.000 χ^2 /NDF: 236974.4/31

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 327231.5/34

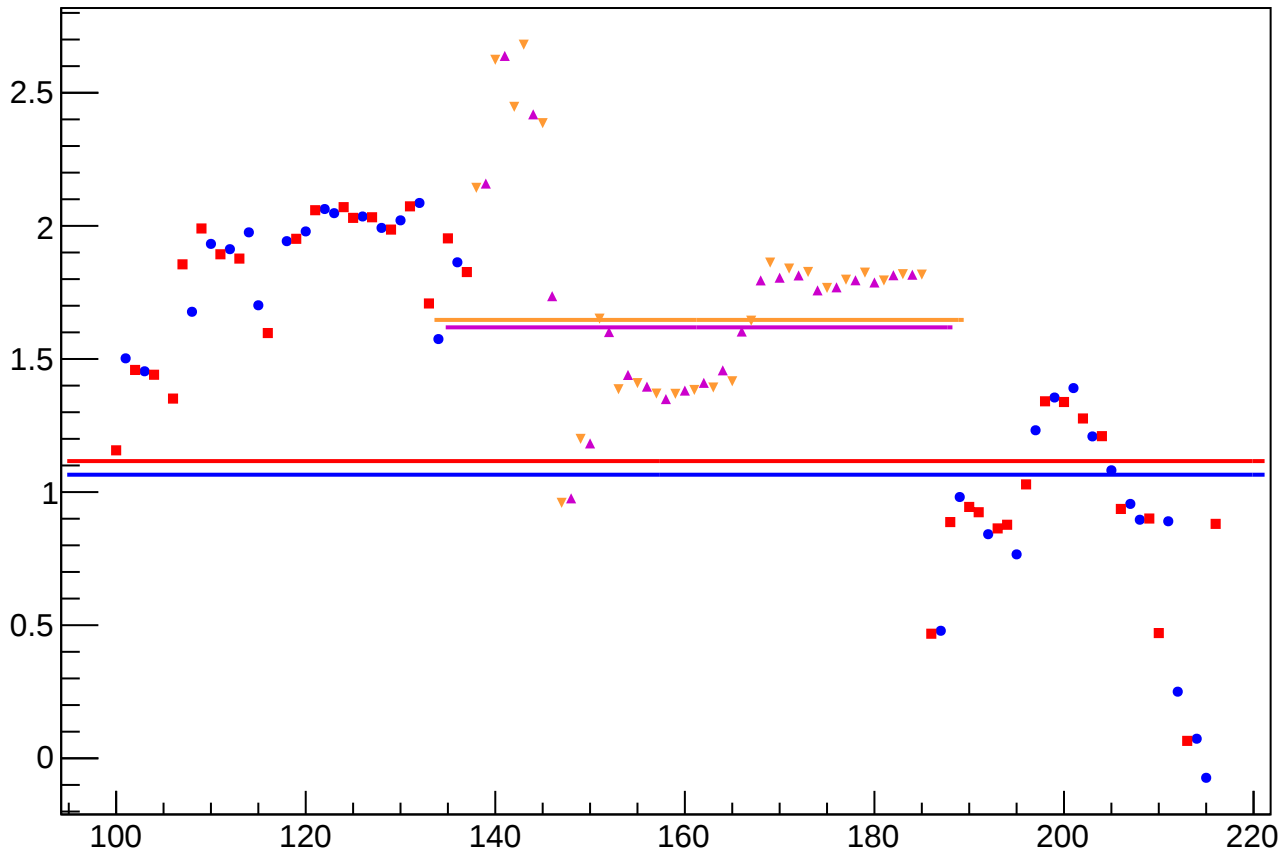
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 679965.1/56

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 1365319.1/114

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 683577.5/57

yield_bpm0r05Y_mean vs Slug



Right In: 1.065 $\pm$ 0.000 χ^2 /NDF: 36870893883.6/31

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.116 $\pm$ 0.000 χ^2 /NDF: 24408117387.0/34

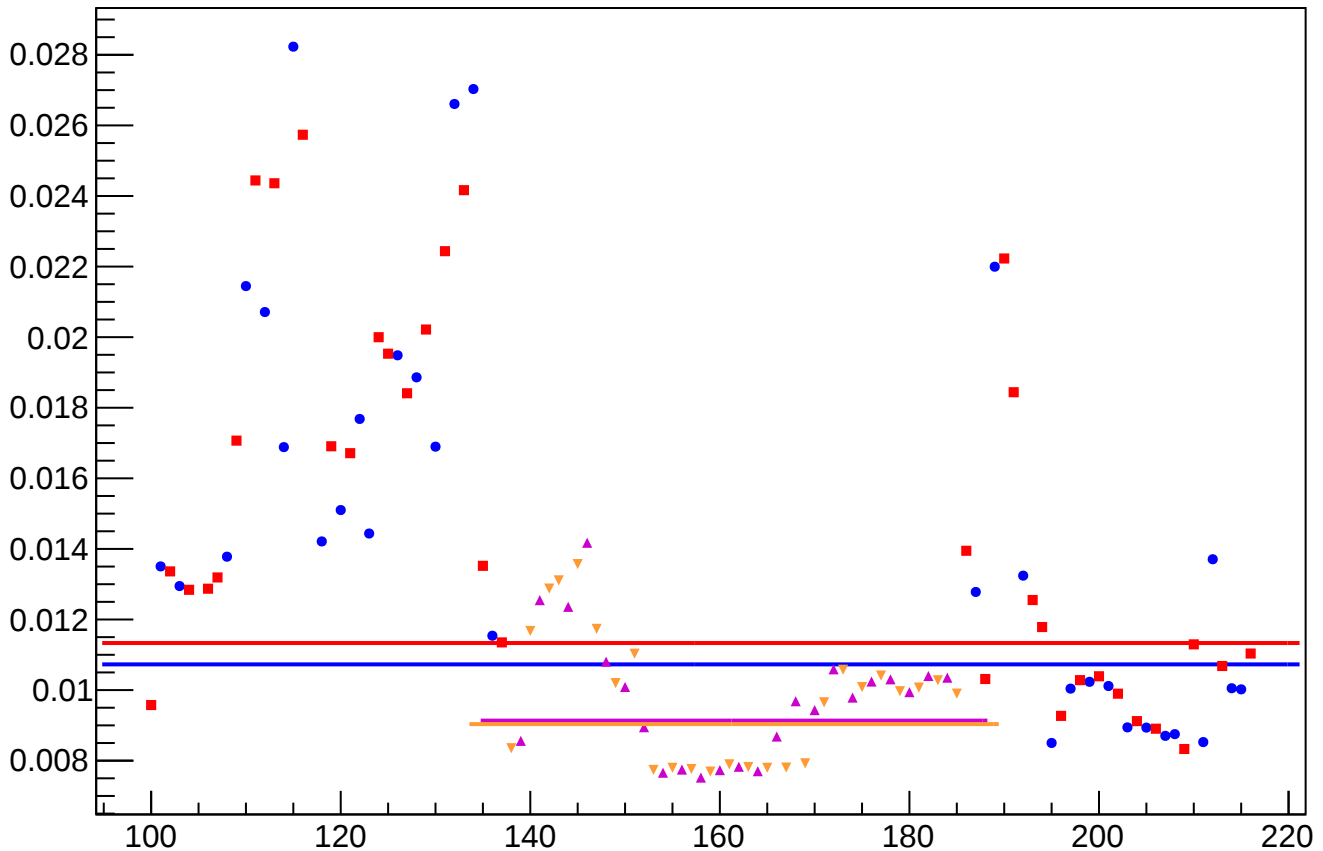
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.421 $\pm$ 0.000 χ^2 /NDF: 90709267326.5/56

All: 1.424 $\pm$ 0.000 χ^2 /NDF: 154262147881.7

- sign 1.426 $\pm$ 0.000 χ^2 /NDF: 63548754583.8/57

yield_bpm0r05Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2427009.9/31

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1042871.8/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 2530872.0/34

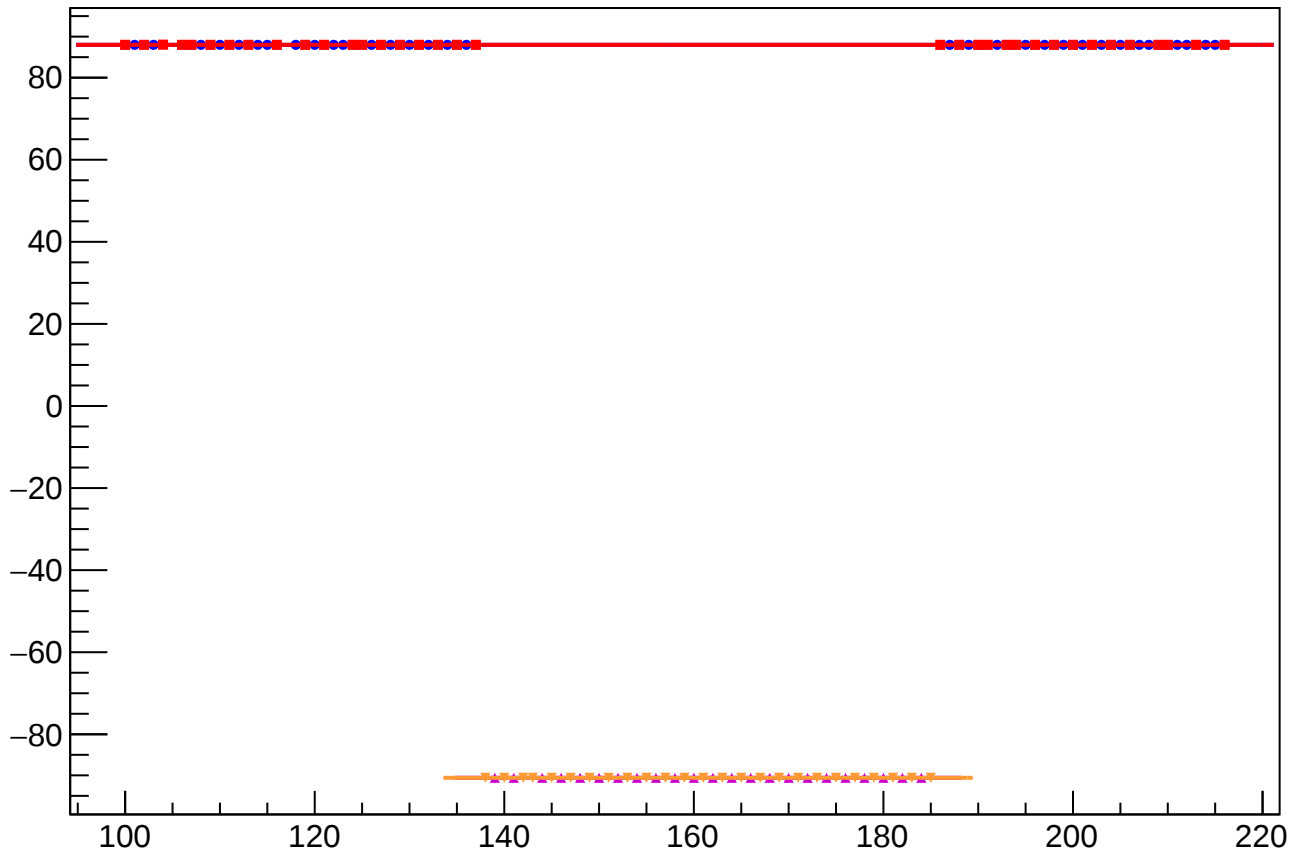
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:878356.2/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3932509.1/56

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 8077857.2/114

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 4118915.4/57

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 4417015.2/31

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 81125850602294421993130295296.0/34

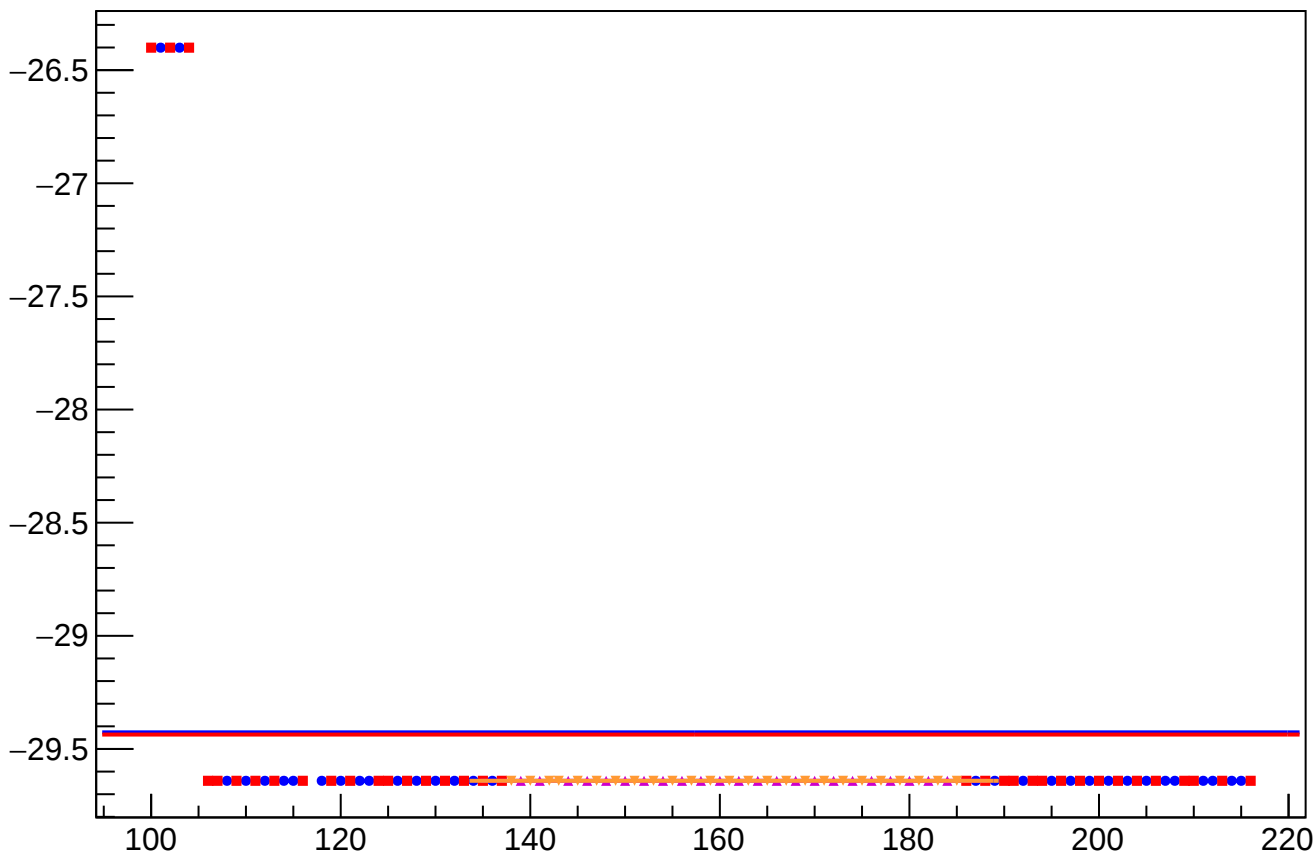
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -4.178 $\pm$ 0.000 χ^2 /NDF: 2940324742530477

All: -2.225 $\pm$ 0.000 χ^2 /NDF: 5841519878790

- sign -0.242 $\pm$ 0.000 χ^2 /NDF: 28983578952587229

epics_HWienAngles_mean vs Slug



Right In: -29.427+/-0.000 χ^2/NDF : 1156875488465837222566731962122240.0/31

Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24

Right Out: -29.436+/-0.000 χ^2/NDF : 1140910449592154639372528809672704.0/34

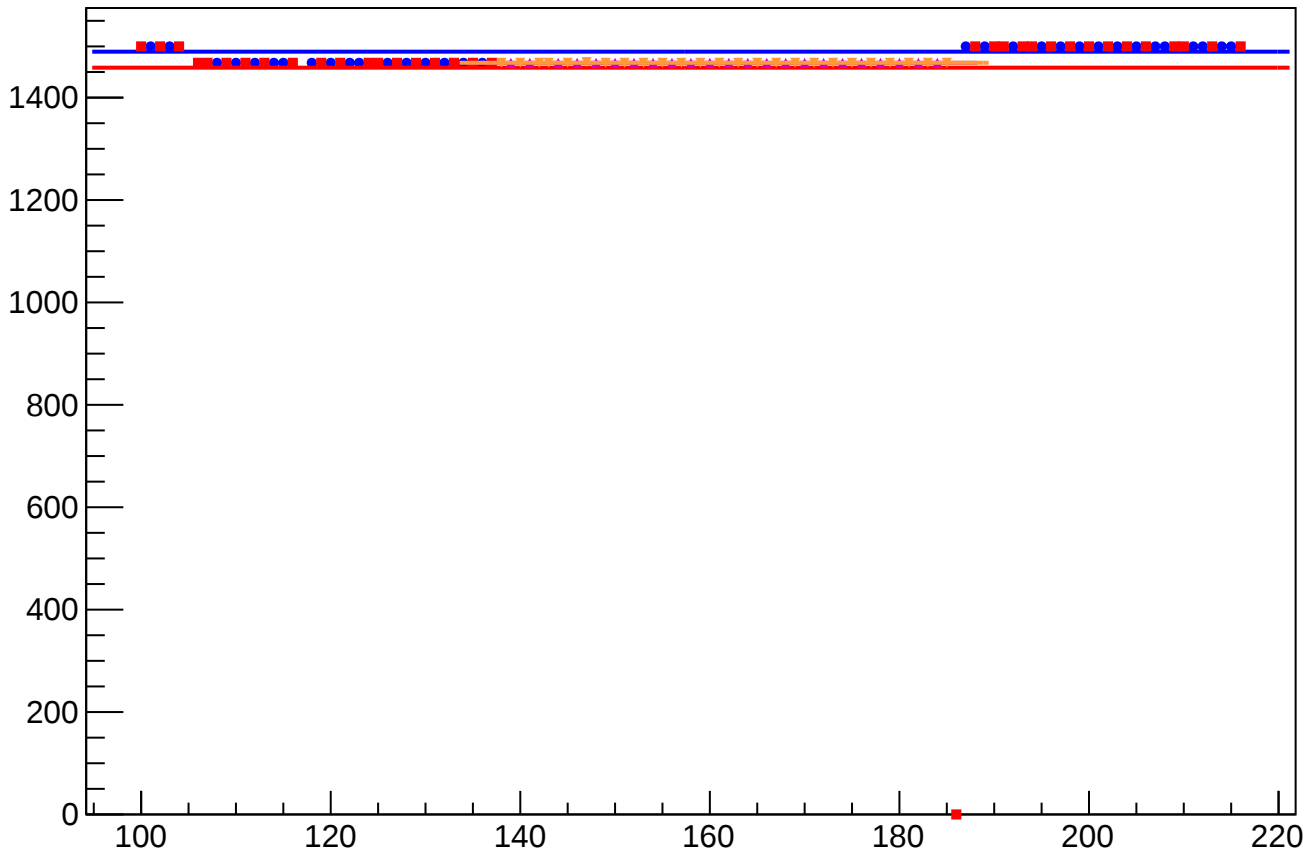
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.537+/-0.000 χ^2/NDF : 119911545012190

All: -29.537+/-0.000 χ^2/NDF : 237797722260

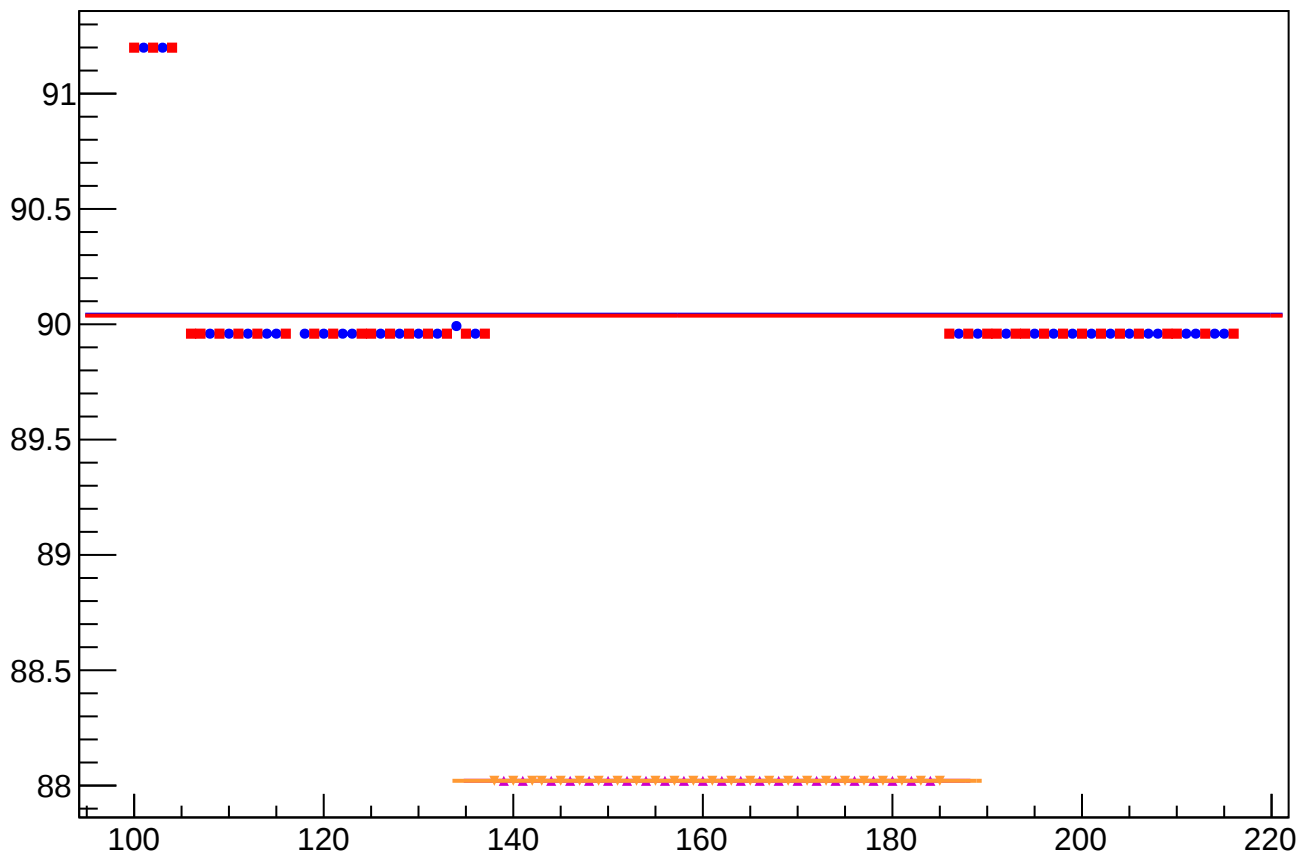
- sign -29.537+/-0.000 χ^2/NDF : 1178861708500661

epics_psub_pl_poss_mean vs Slug



Right In: 1489.728+/-0.000 χ^2/NDF : 399049221026877405853629807985688576.0/31
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1458.489+/-0.000 χ^2/NDF : 82949282863264681535932743834442661888.0/34
 Left In: 1467.994+/-0.000 χ^2/NDF : 14449772795444989723550941184.0/22
 + sign 1478.538+/-0.000 χ^2/NDF : 83242787341947
 All: 1470.920+/-0.000 χ^2/NDF : 84295503432
 - sign 1463.185+/-0.000 χ^2/NDF : 83031373113131

epics_Phi_FGs_mean vs Slug



Right In: 90.042 $\pm$ 0.000 χ^2 /NDF: 169358323208848618303207654817792.0/31

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5679798.5/24

Right Out: 90.038 $\pm$ 0.000 χ^2 /NDF: 167110949864102130812998660390912.0/34

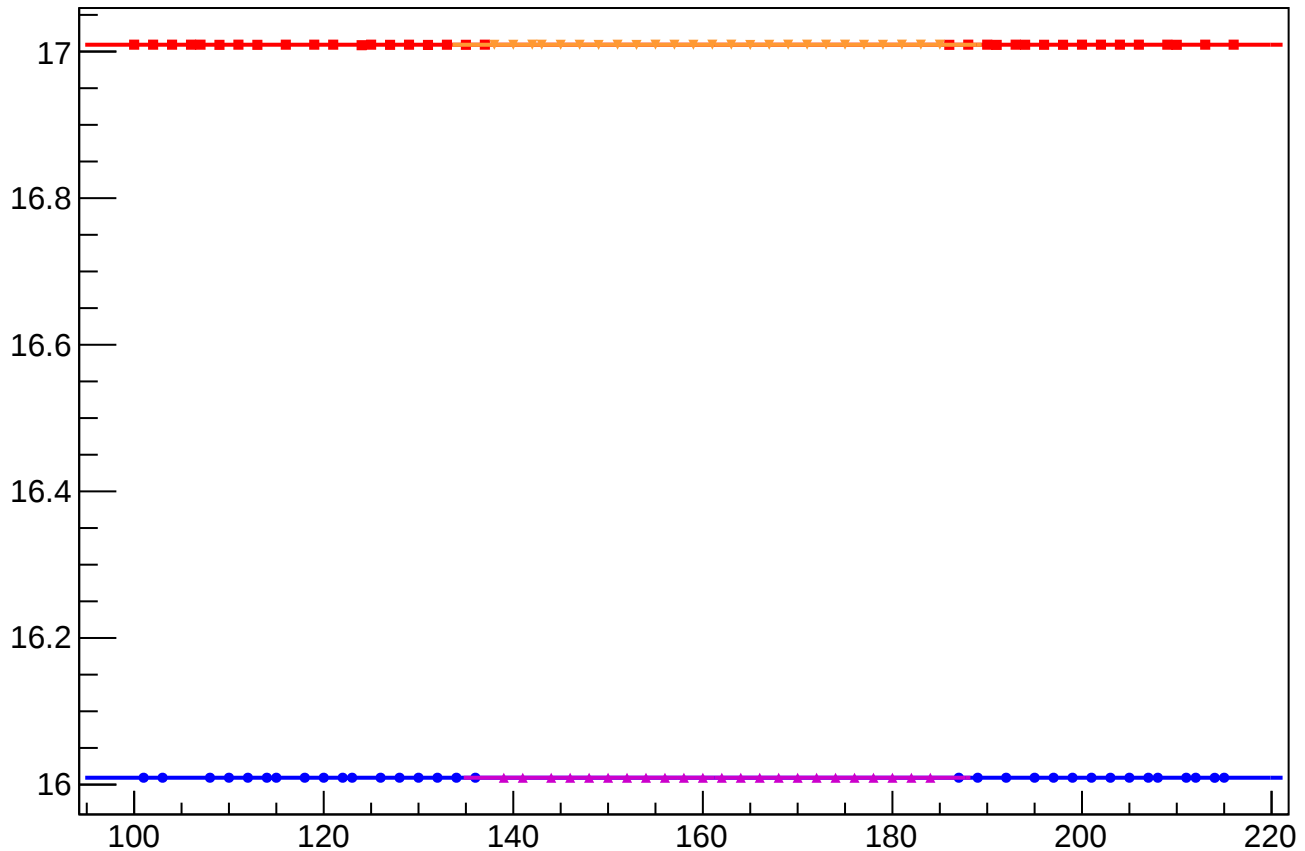
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22

+ sign 88.999 $\pm$ 0.000 χ^2 /NDF: 3934017487981892

All: 89.020 $\pm$ 0.000 χ^2 /NDF: 7800274277000

- sign 89.041 $\pm$ 0.000 χ^2 /NDF: 3862955468811218

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 845024157249485972439040.0/31

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 20876944263678480678387712.0/34

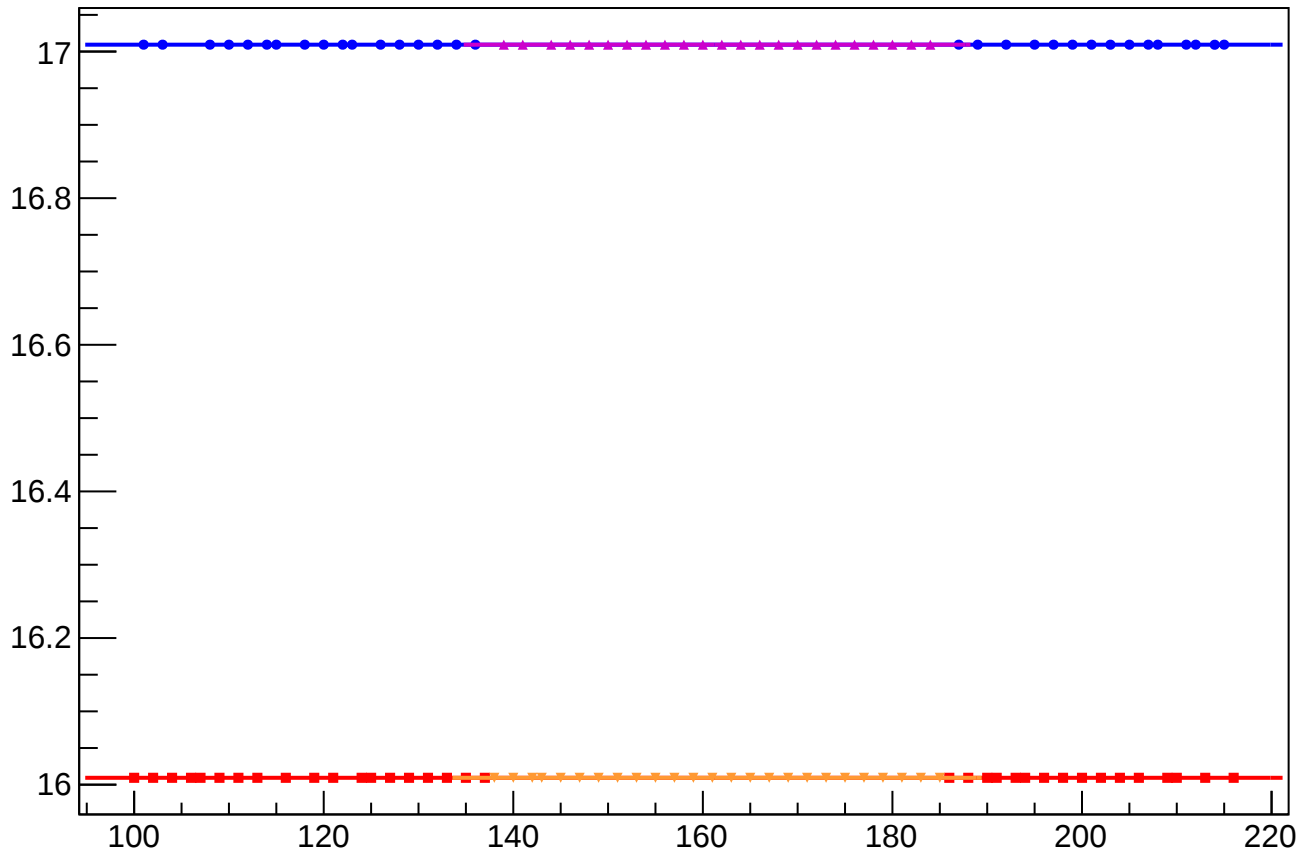
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.512 $\pm$ 0.000 χ^2 /NDF: 8807999920887588

All: 16.518 $\pm$ 0.000 χ^2 /NDF: 1740184165305

- sign 16.524 $\pm$ 0.000 χ^2 /NDF: 8590959770912007

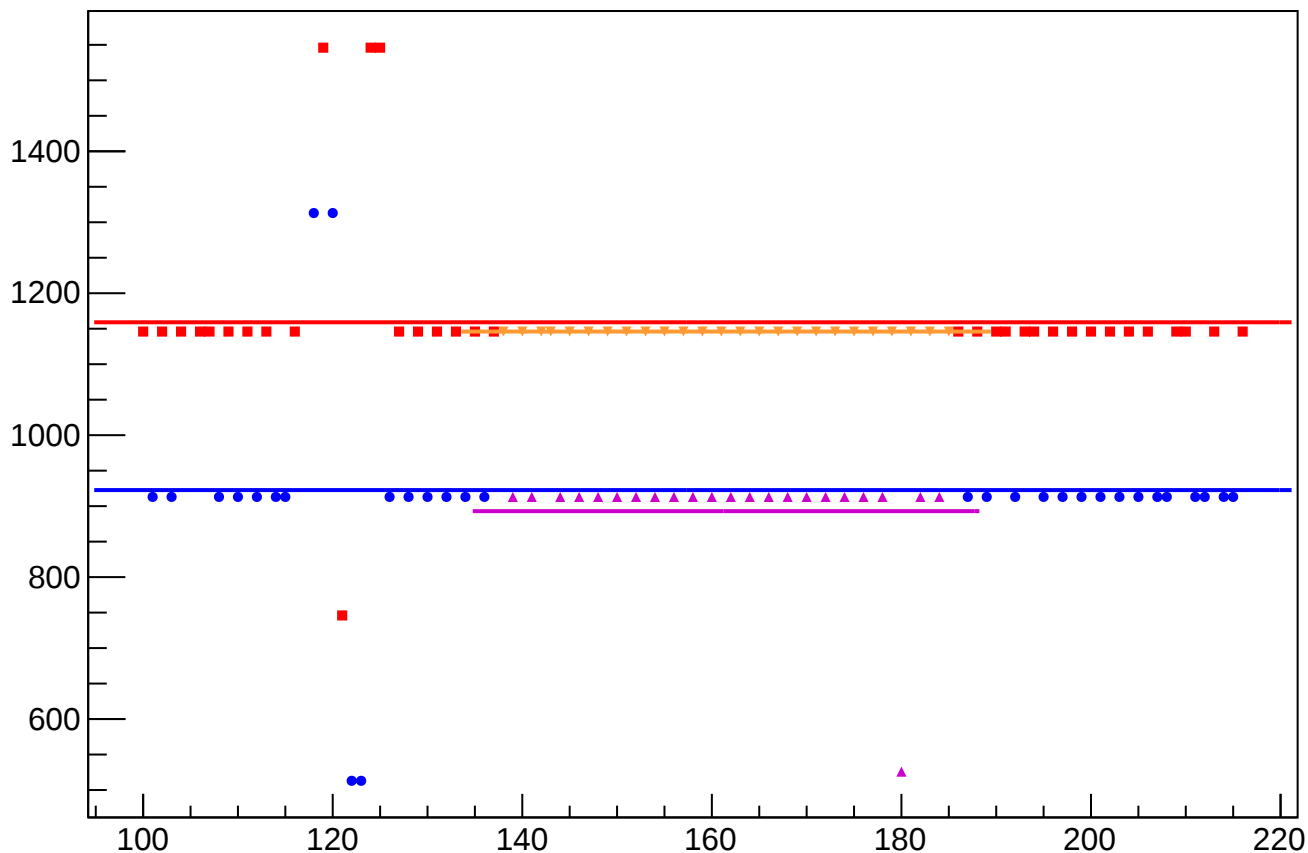
epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 845024157385466381860864.0/31
 Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 61253.5/24
 Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 302644.9/34
 Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.492 $\pm$ 0.000 χ^2 /NDF: 9076293965130230
 All: 16.495 $\pm$ 0.000 χ^2 /NDF: 1802987057237
 - sign 16.498 $\pm$ 0.000 χ^2 /NDF: 8952890177008132

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 922.625+/-0.000 χ^2/NDF : 21115715605555938737099509780793262080.0/31

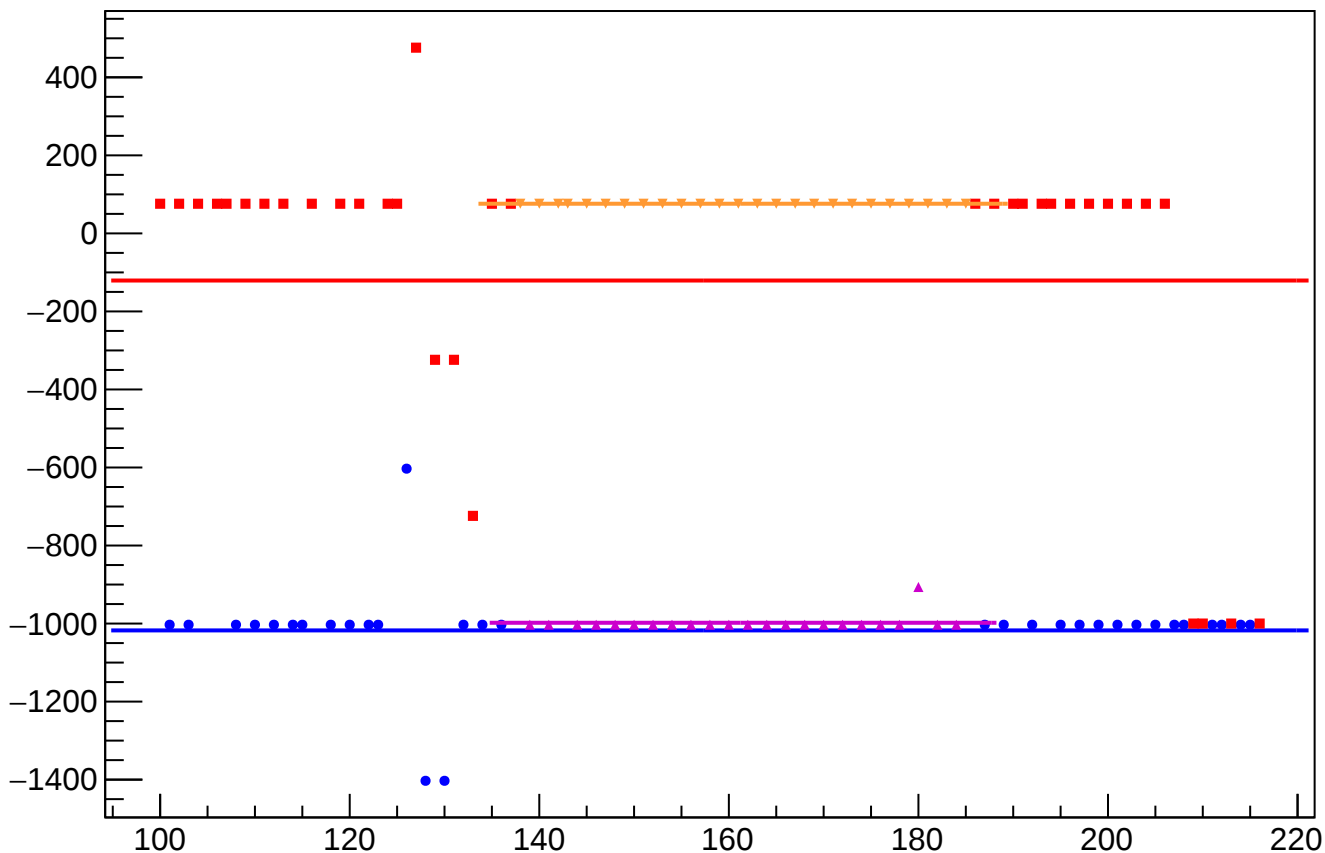
Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1159.060+/-0.000 χ^2/NDF : 21767506673091274302416144714010984448.0/34

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1032.789+/-0.000 χ^2/NDF : 16663521524.0/100

epics_RTPAPOSVCNTs_mean vs Slug



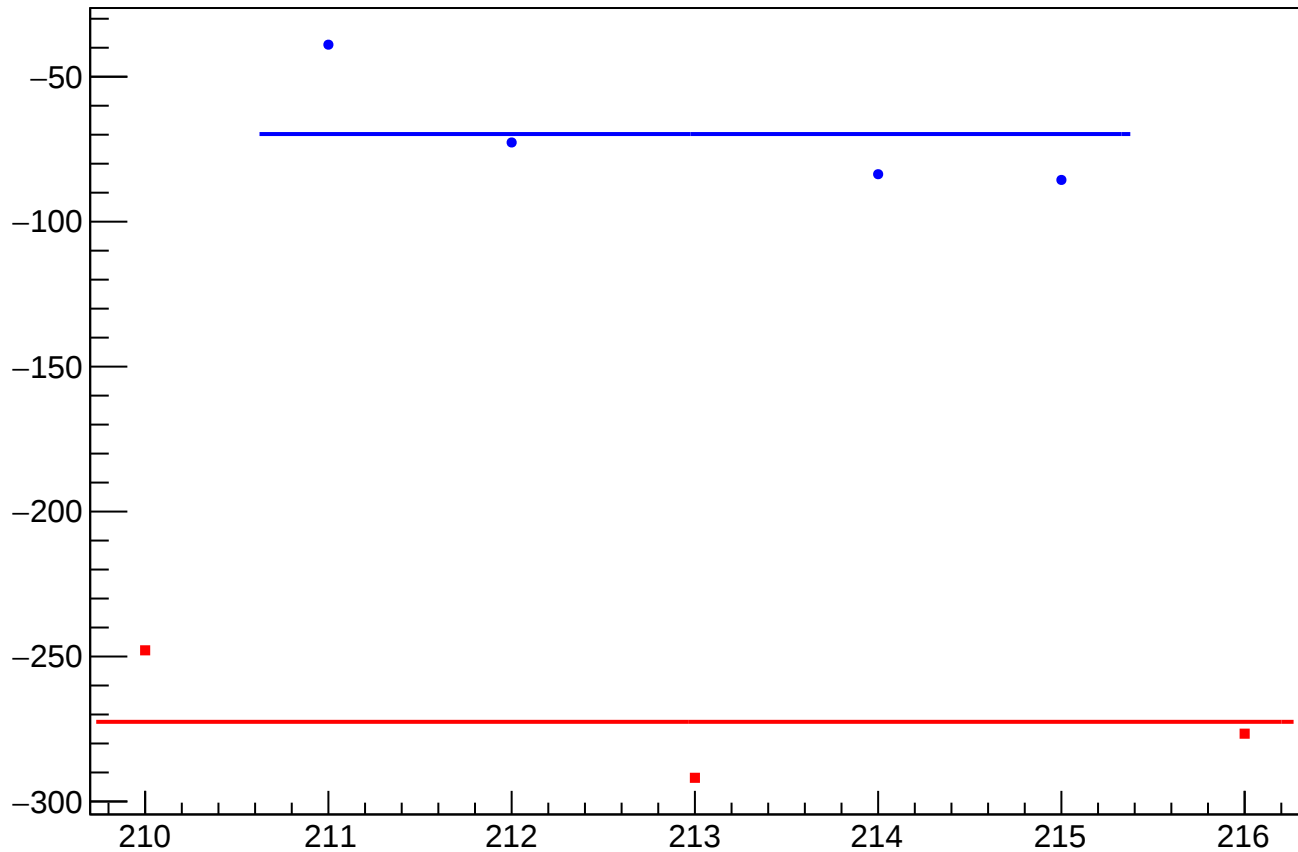
Right In: -1017.547+/-0.000 χ^2/NDF : 22821183713305920842493302895435317248.0/31

Left Out: 76.011+/-0.000 χ^2 /NDF:11479003589933272170007363584.0/24

Left Out: -70.611+/-0.000 χ^2 /NDF: 111473663835353527217076783303/24
 Right Out: -120.789+/-0.000 χ^2 /NDF: 312726026209612629742732308451153674240.0/34

Left In: -997.979+/-0.000 χ^2 /NDF:825858066518991041870194619245920256.0/22

epics_RTPPITA1CNTs_mean vs Slug



Right In: -69.774+/-0.000 χ^2/NDF : 105864088683195568752421154630664192.0/3

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

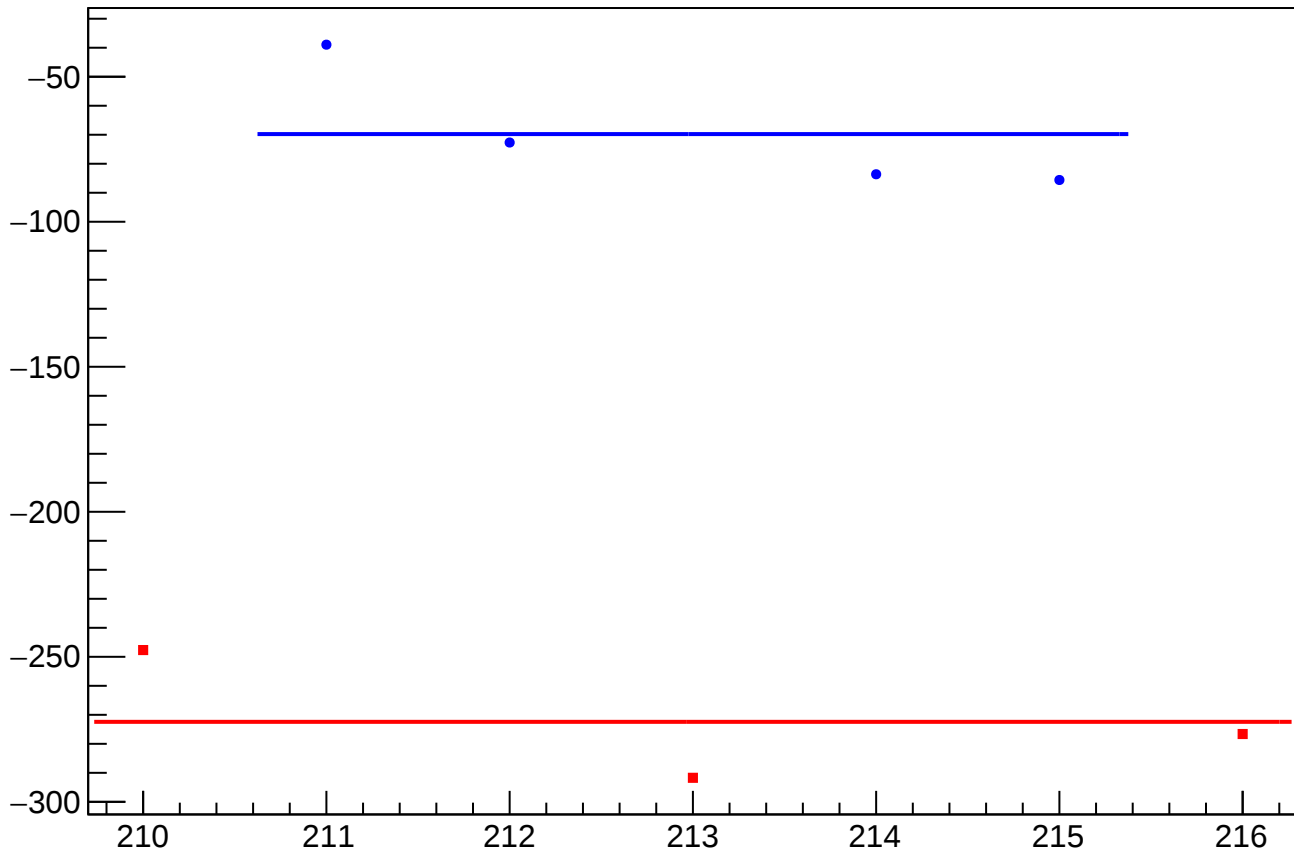
All: -155.144+/-0.000 χ^2/NDF : 53206548284

Right Out: -272.528+/-0.000 χ^2/NDF : 73981146673413328355794985821405184.0/2

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

epics_RTPPITA2CNTs_mean vs Slug



Right In: -69.774+/-0.000 χ^2/NDF : 105864088683195568752421154630664192.0/3

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -155.099+/-0.000 χ^2/NDF : 53155318849

Right Out: -272.421+/-0.000 χ^2/NDF : 74303158199791724115125544522088448.0/2

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0