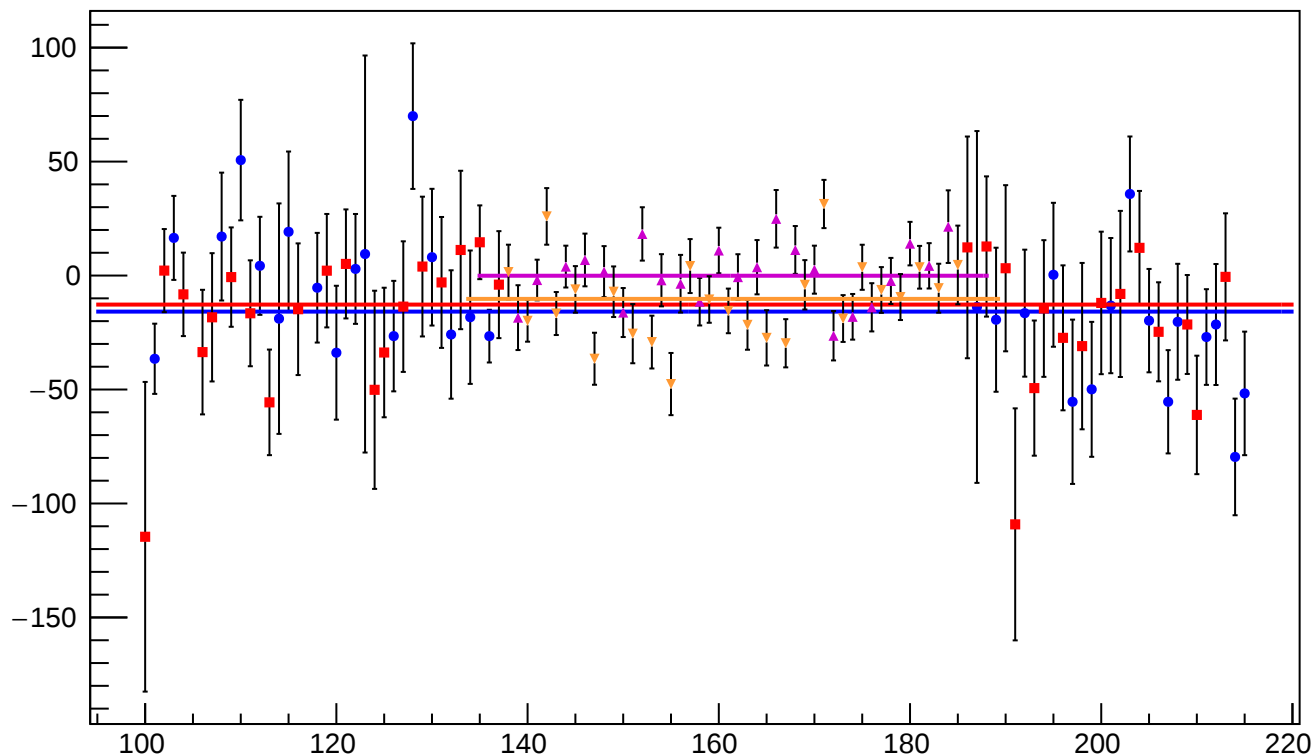


diff_bpm4aX_mean vs Slug



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: -12.736 ± 4.569

χ^2/NDF : 25.3/33

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -11.332 ± 1.946

χ^2/NDF : 102.6/56

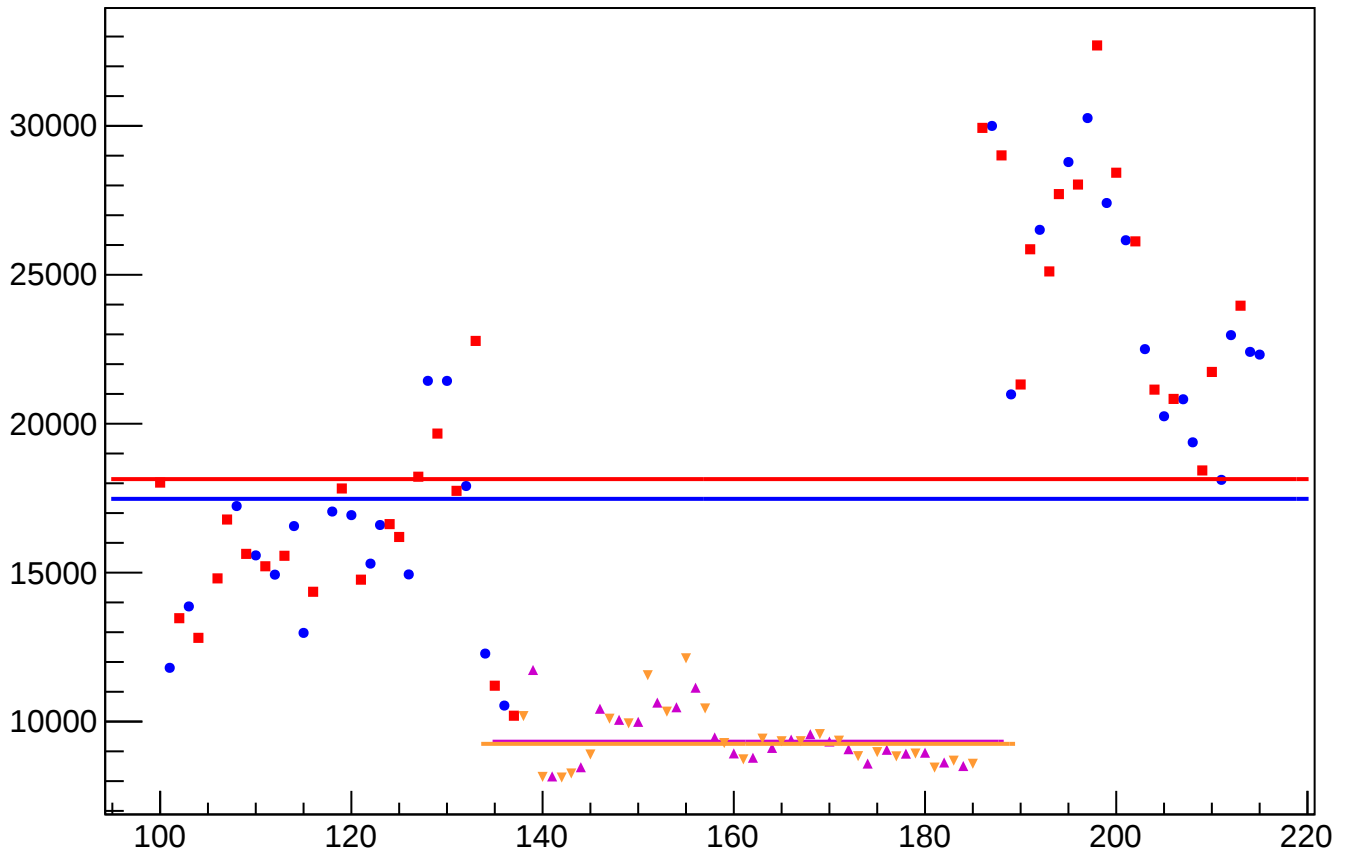
All: -7.103 ± 1.401

χ^2/NDF : 173.7/113

- sign -2.552 ± 2.019

χ^2/NDF : 61.3/56

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: 18140.379+/-3.230 χ^2/NDF : 2894505.1/33

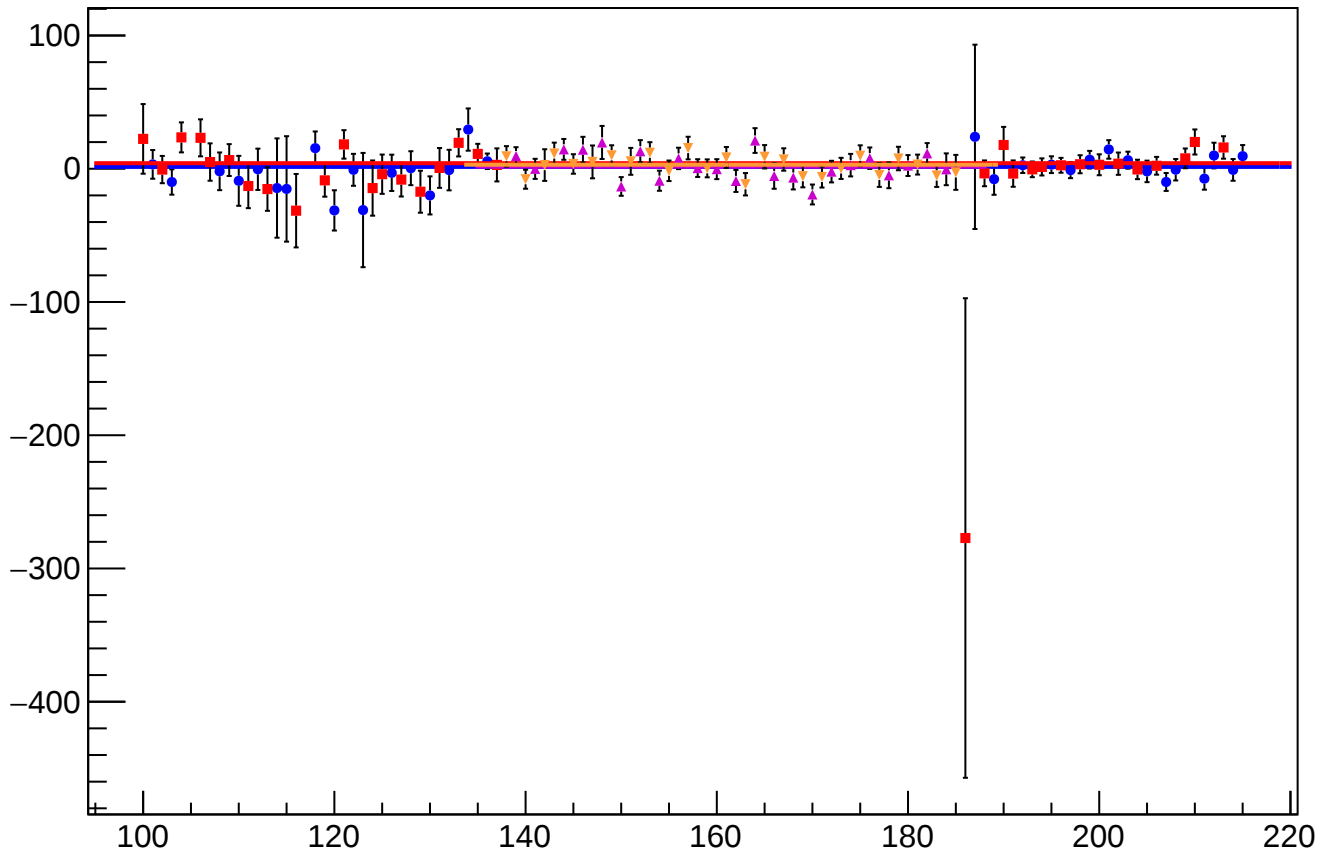
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

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

All: 10951.581+/-0.991 χ^2/NDF : 18028473.5/100

- sign 11045.678+/-1.428 χ^2/NDF : 9164043.7/56

diff_bpm4aY_mean vs Slug



Right In: 1.383 ± 1.641 χ^2/NDF : 26.6/31

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

Right Out: 4.176 ± 1.657 χ^2/NDF : 30.8/33

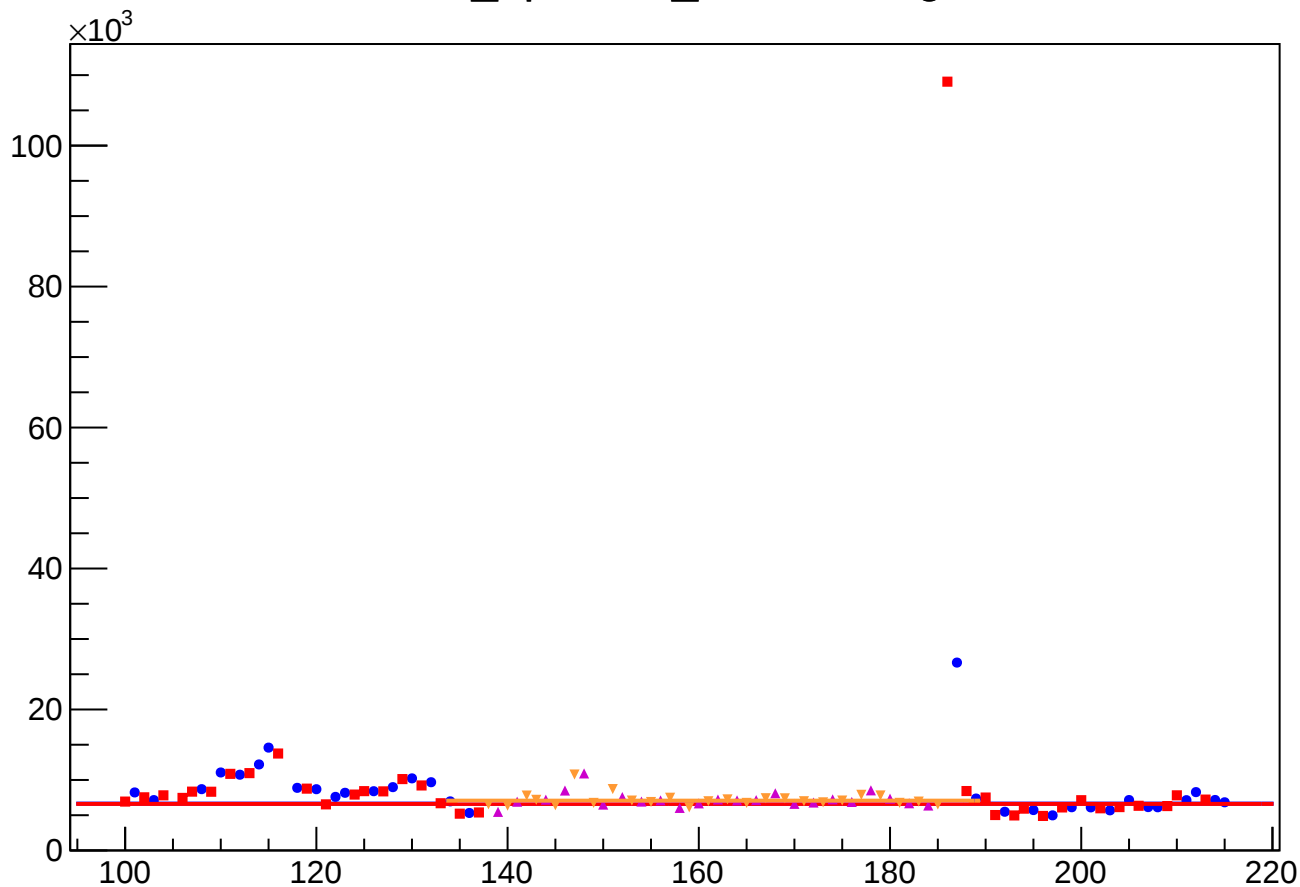
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

+ sign 2.195 ± 1.167 χ^2/NDF : 45.7/56

All: 2.550 ± 0.832 χ^2/NDF : 113.4/113

- sign 2.917 ± 1.187 χ^2/NDF : 67.5/56

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: 6604.575 ± 1.172 $\chi^2/\text{NDF}: 2151264.8/33$

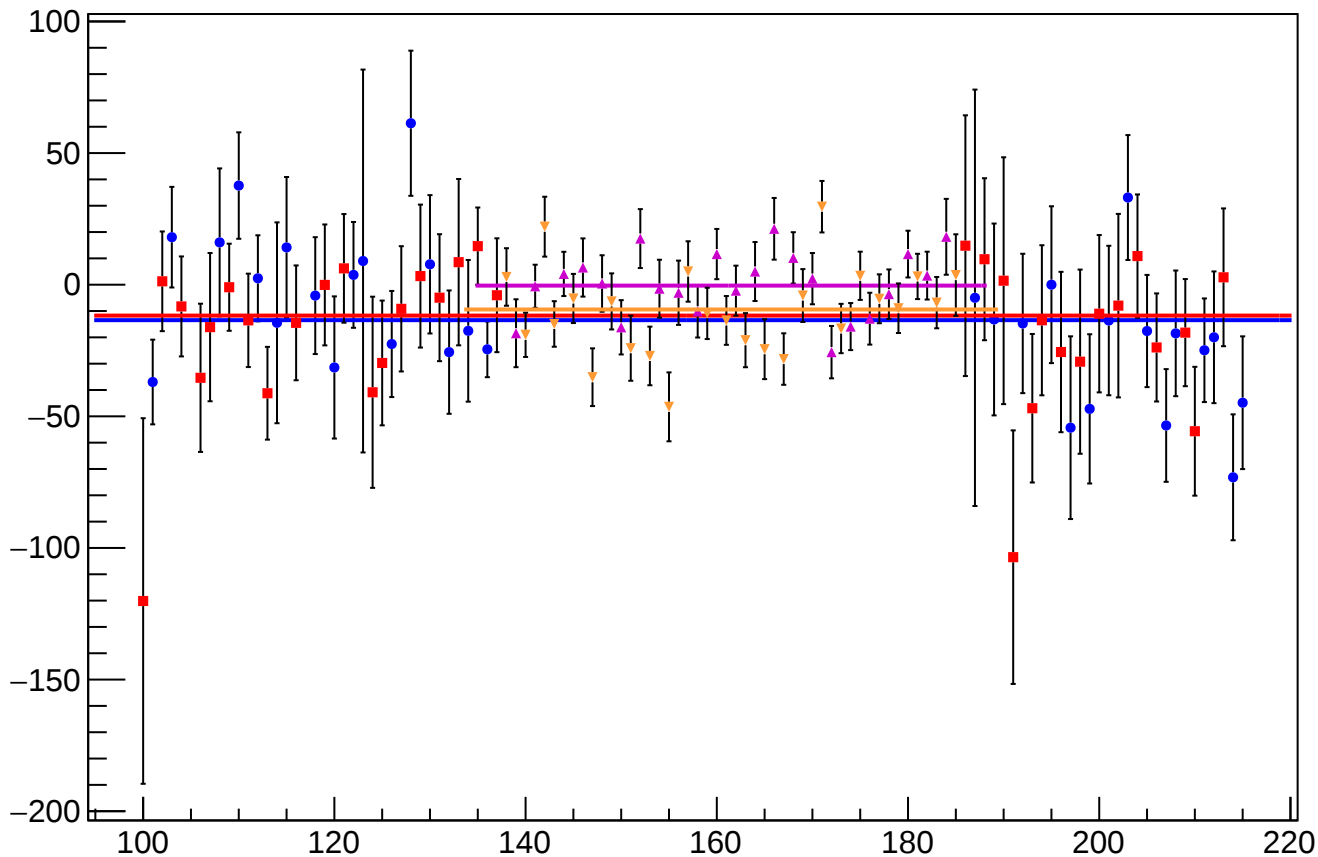
Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

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

All: 6828.339 ± 0.589 $\chi^2/\text{NDF}: 4801624.8/11$

- sign 6804.009 ± 0.840 $\chi^2/\text{NDF}: 2736141.4/56$

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: -11.735 ± 4.142 $\chi^2/\text{NDF}: 24.8/33$

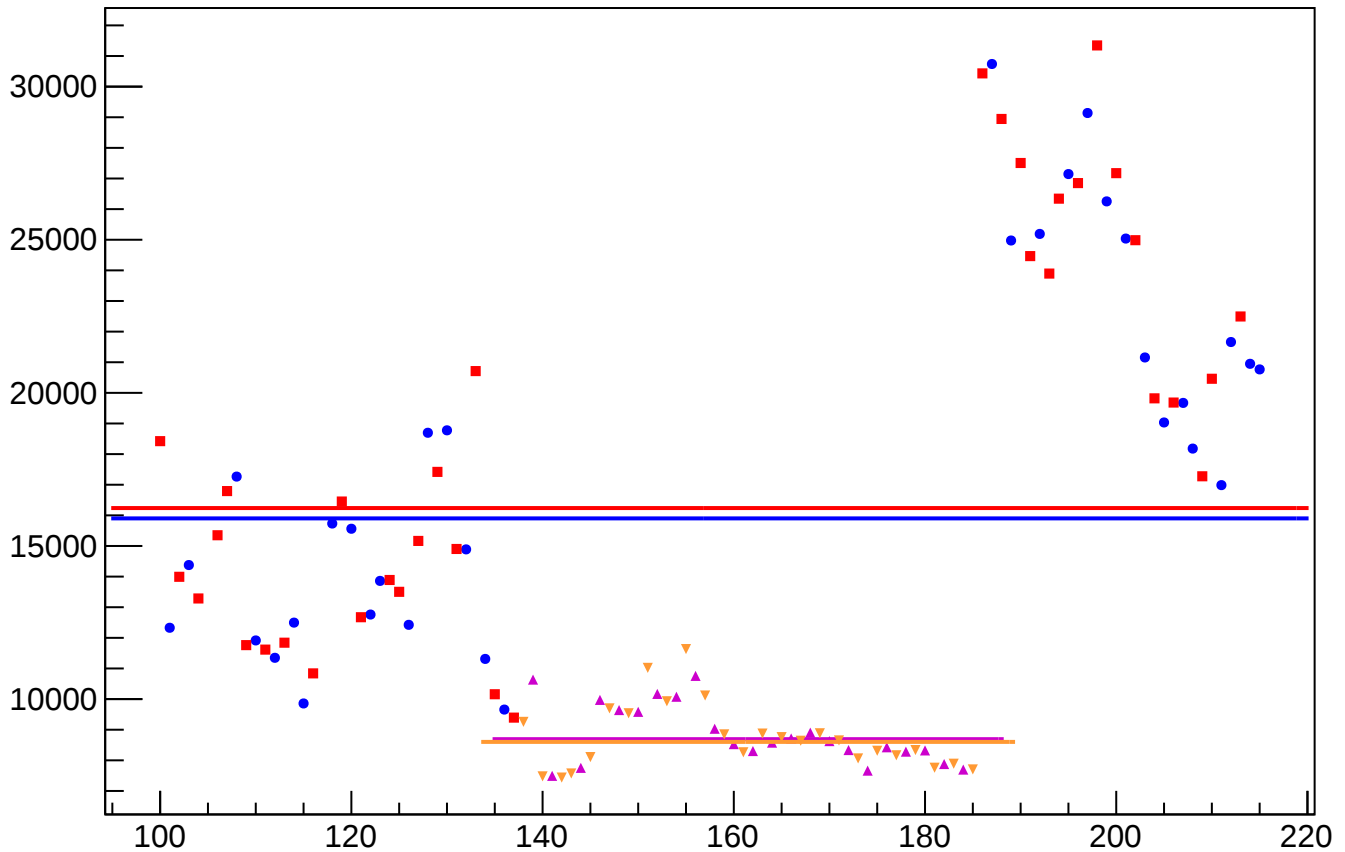
Left In: -0.344 ± 2.100 $\chi^2/\text{NDF}: 29.9/22$

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

All: -6.589 ± 1.300 $\chi^2/\text{NDF}: 172.7/113$

- sign -2.674 ± 1.873 $\chi^2/\text{NDF}: 60.7/56$

diff_bpm4eX_rms vs Slug



Right In: 15900.713 $\pm$ 2.846 χ^2 /NDF: 3366143.7/31

Left Out: 8602.220 $\pm$ 1.429 χ^2 /NDF:438805.2/24

Right Out: 16238.147 $\pm$ 2.929 χ^2 /NDF: 3672843.2/33

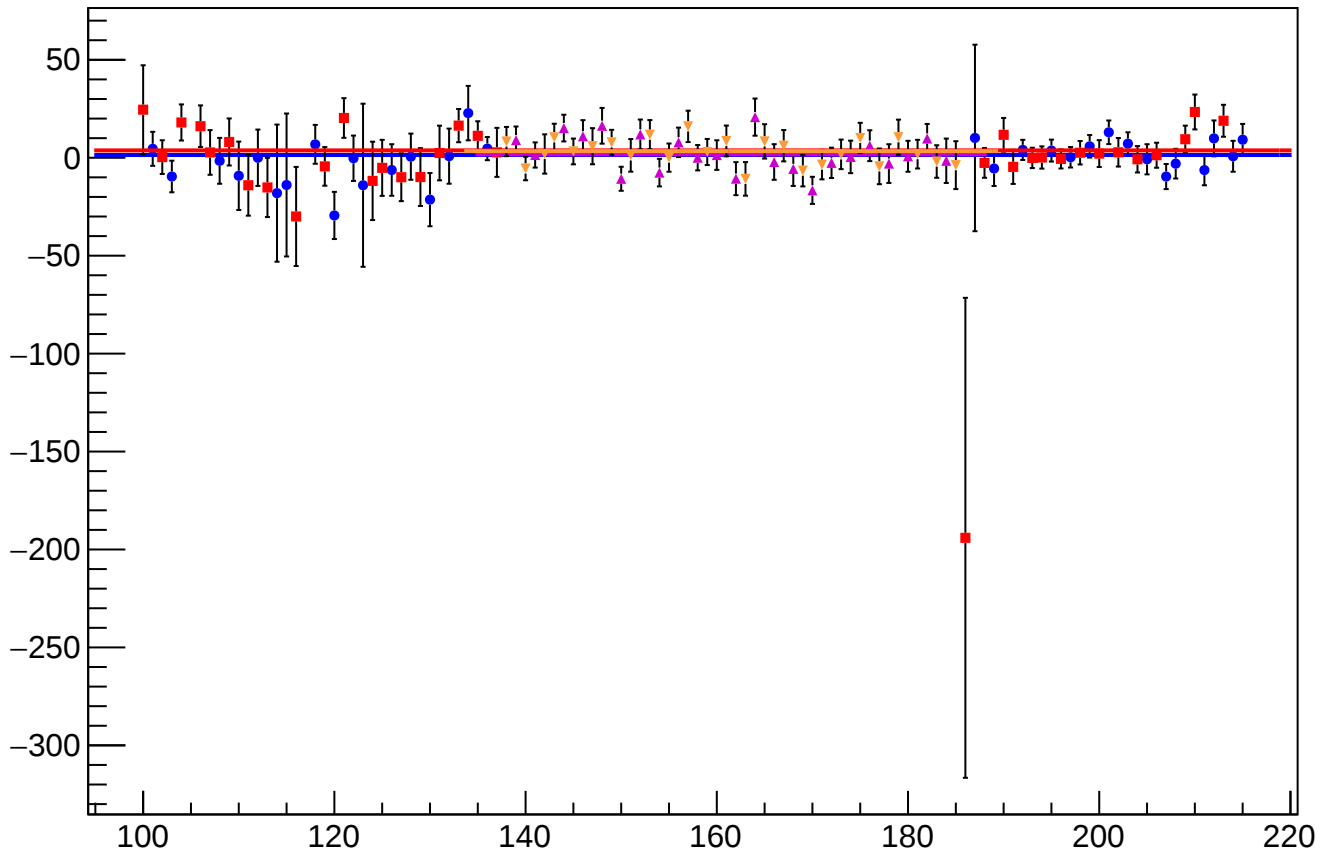
Left In: 8691.203 $\pm$ 1.485 χ^2 /NDF:365254.6/22

+ sign 10072.165 $\pm$ 1.277 χ^2 /NDF: 9058273.8/56

All: 10150.534 $\pm$ 0.919 χ^2 /NDF: 18385089.9

- sign 10234.858 $\pm$ 1.325 χ^2 /NDF: 9318998.2/56

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: 3.764 ± 1.474 χ^2/NDF : 35.8/33

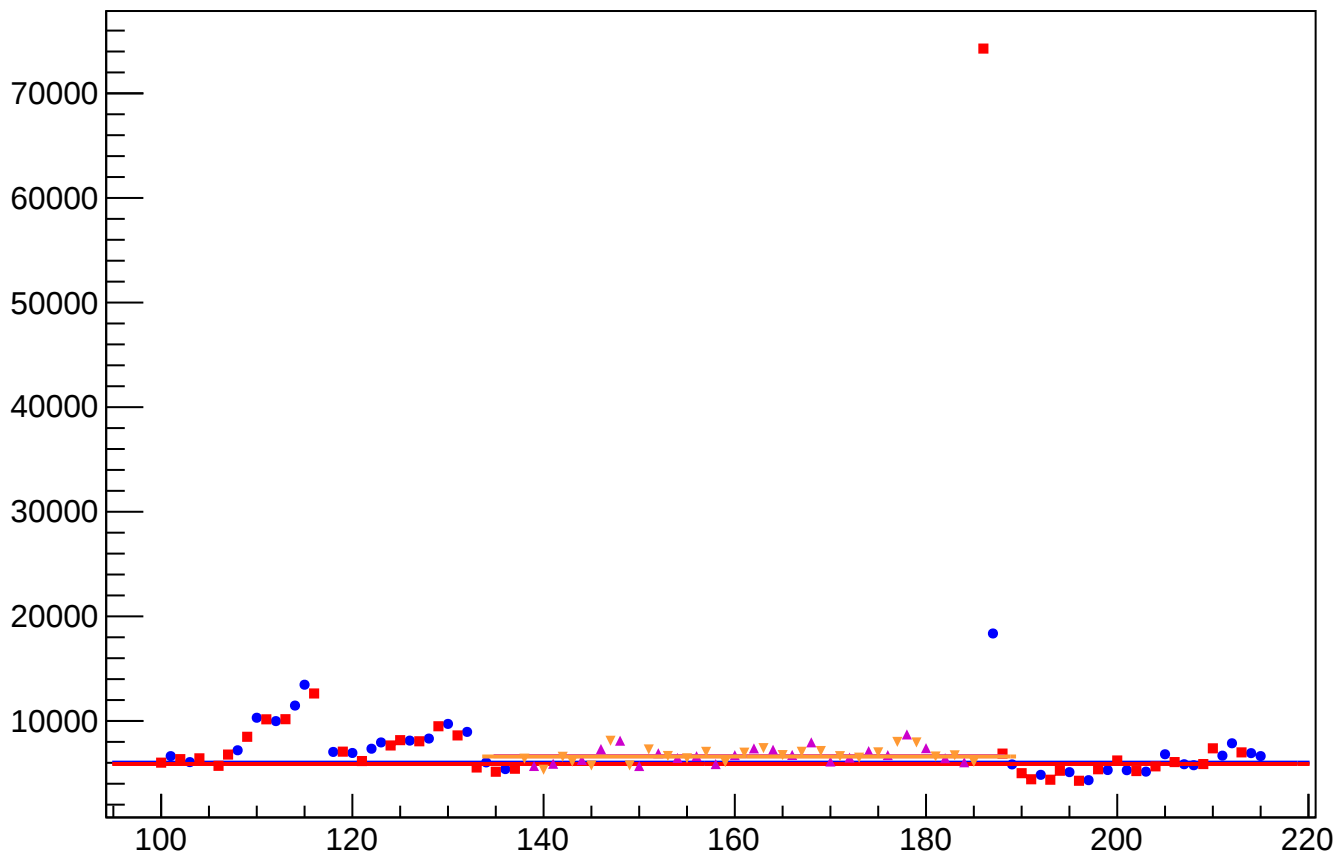
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

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

All: 2.594 ± 0.763 χ^2/NDF : 116.6/113

- sign 2.847 ± 1.086 χ^2/NDF : 70.1/56

diff_bpm4eY_rms vs Slug



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

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

Right Out: 5888.649+/-1.042 χ^2/NDF : 2232452.4/33

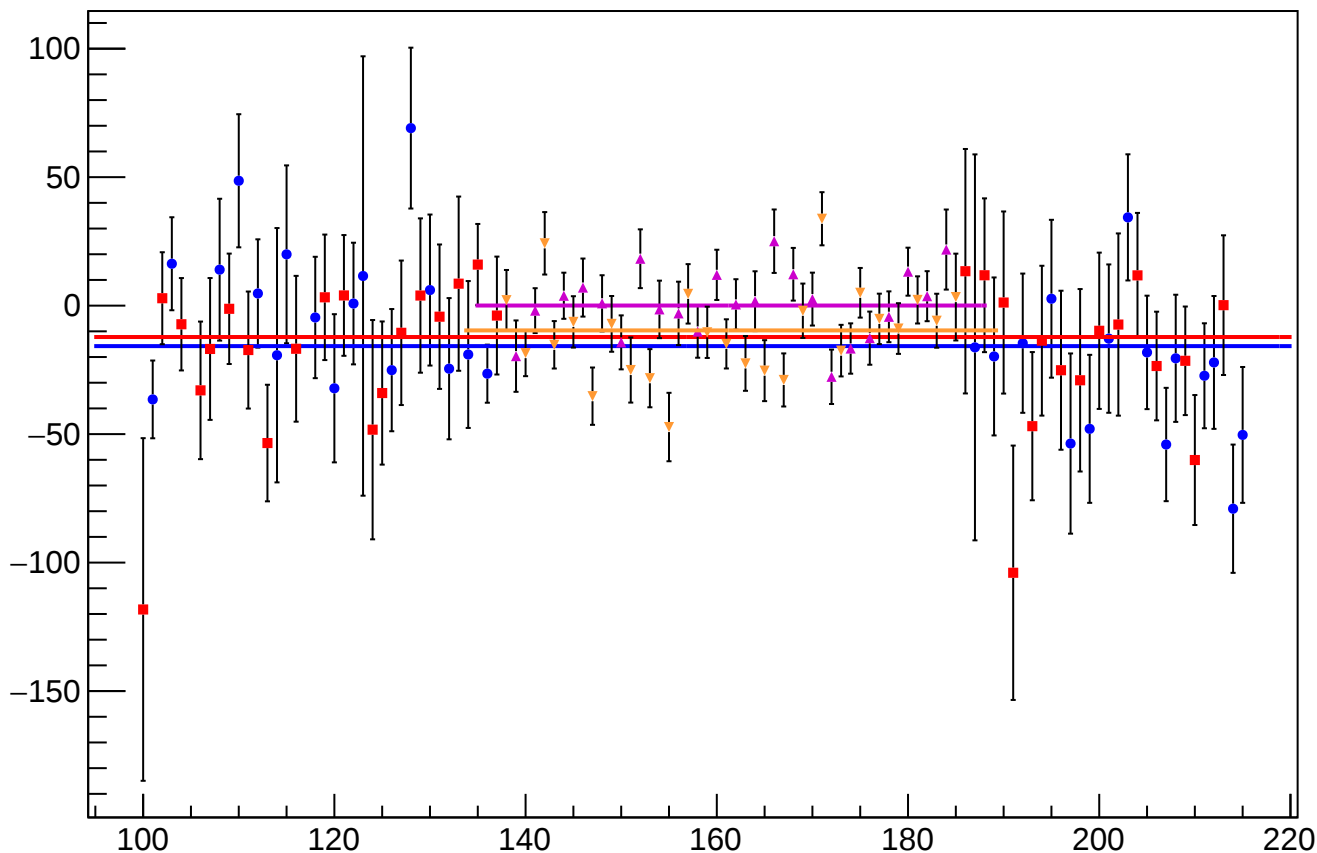
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

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

All: 6264.254+/-0.540 χ^2/NDF : 5077112.9/112

- sign 6230.664+/-0.768 χ^2/NDF : 2883638.6/56

diff_bpm4acX_mean vs Slug



Right In: -15.753 ± 4.297 χ^2/NDF : 43.1/31

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

Right Out: -12.214 ± 4.467 χ^2/NDF : 25.5/33

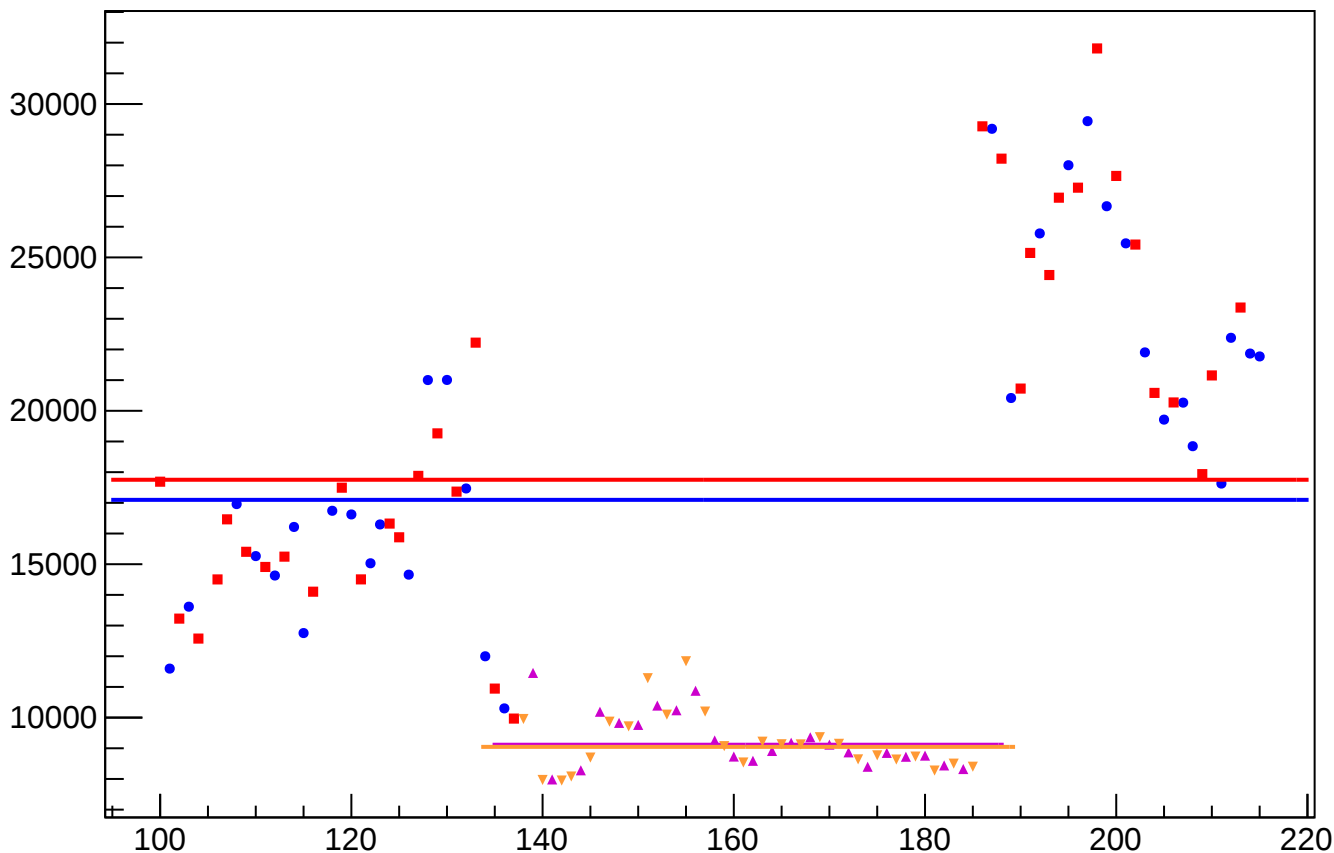
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -10.838 ± 1.902 χ^2/NDF : 104.7/56

All: -6.751 ± 1.370 χ^2/NDF : 176.5/113

- sign -2.350 ± 1.974 χ^2/NDF : 62.3/56

diff_bpm4acX_rms vs Slug



Right In: 17097.537+/-3.038 χ^2/NDF : 2845441.4/31

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

Right Out: 17752.563+/-3.159 χ^2/NDF : 2843327.8/33

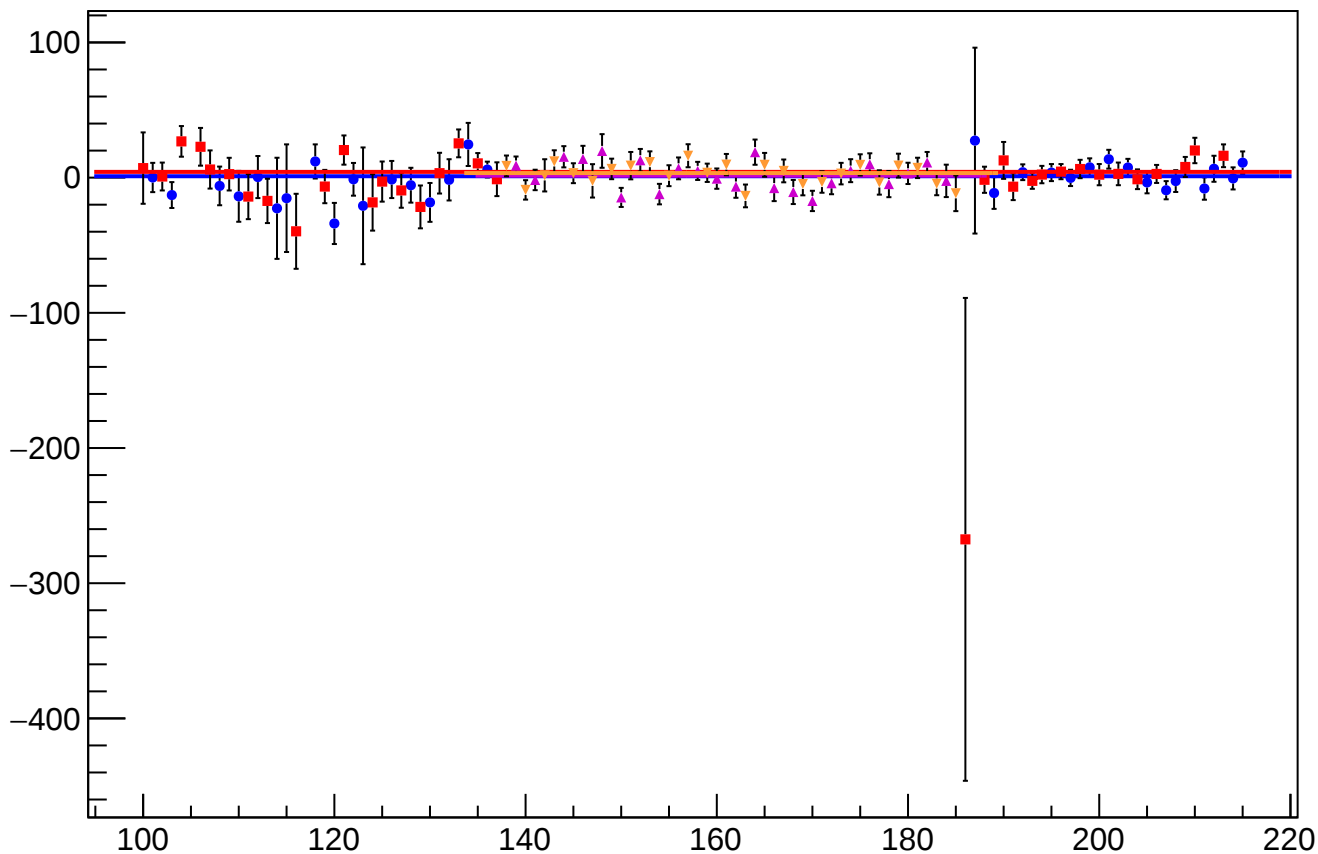
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 10624.426+/-1.345 χ^2/NDF : 8820612.1/56

All: 10709.863+/-0.969 χ^2/NDF : 17961212.7

- sign 10801.826+/-1.396 χ^2/NDF : 9132225.0/56

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: 4.262 $\pm$ 1.663 χ^2 /NDF: 36.1/33

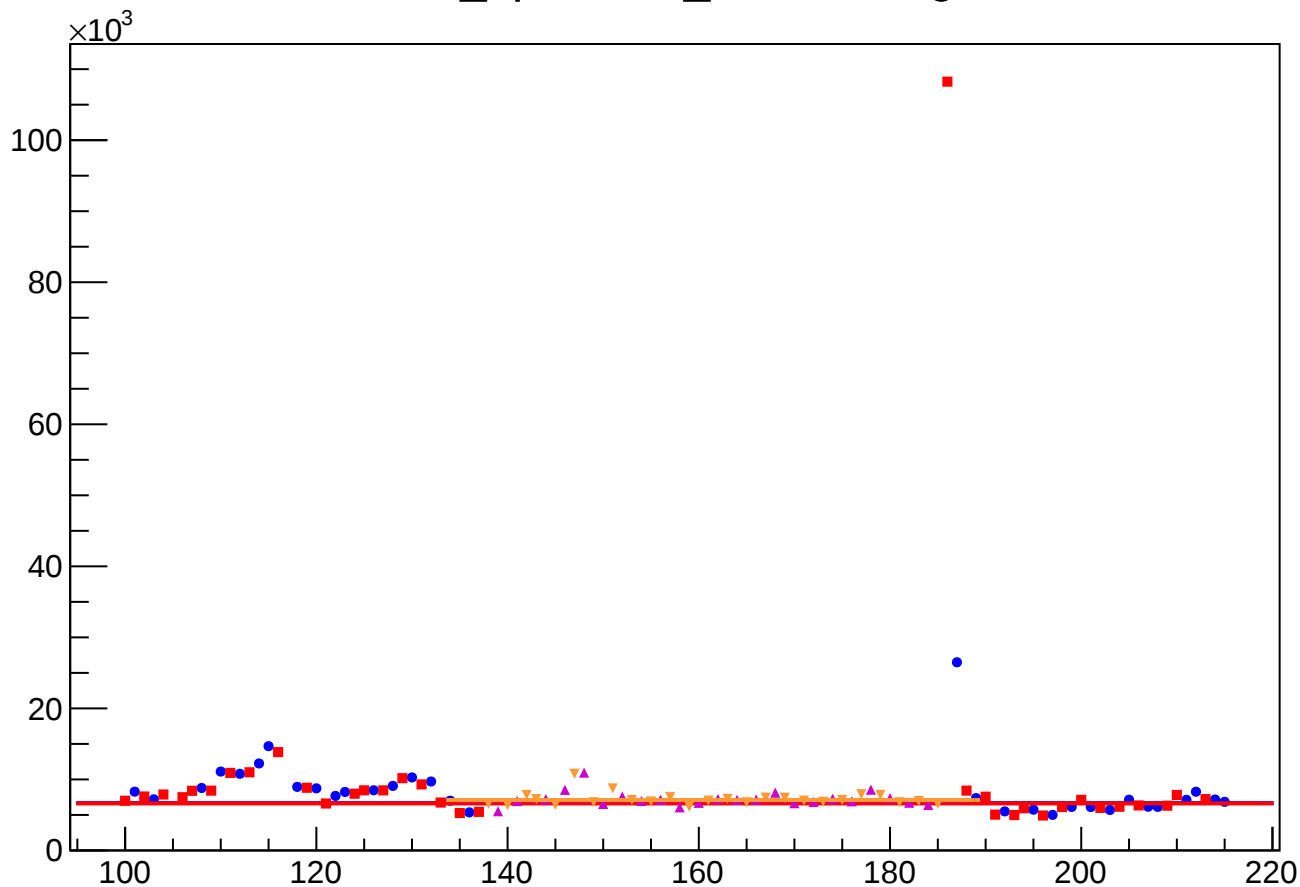
Left In: 1.479 $\pm$ 1.710 χ^2 /NDF:36.7/22

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

All: 2.547 $\pm$ 0.836 χ^2 /NDF: 122.6/113

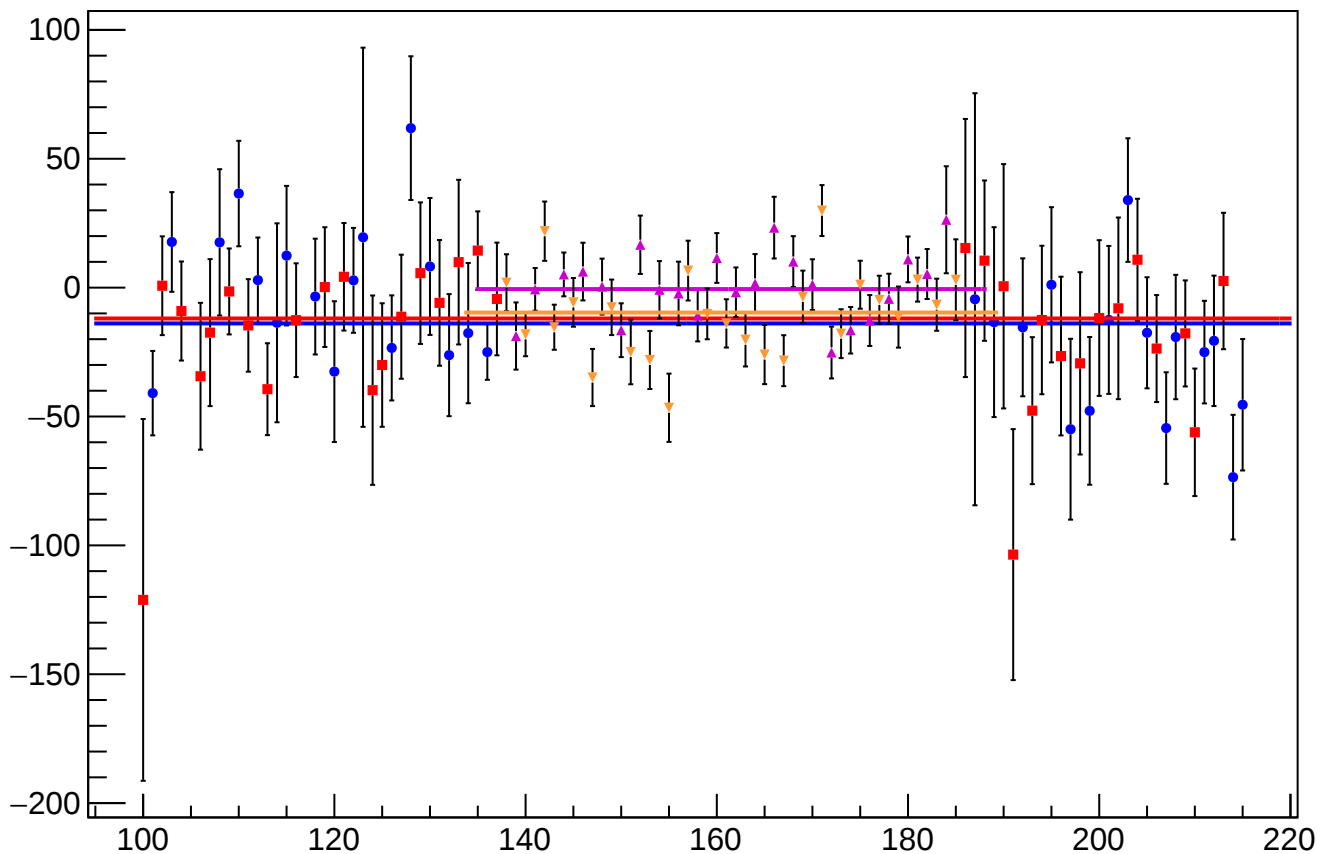
- sign 2.910 $\pm$ 1.192 χ^2 /NDF: 74.2/56

diff_bpm4acY_rms vs Slug



Right In: 6664.226 ± 1.164 $\chi^2/\text{NDF}: 1618490.7/31$ + sign 6877.478 ± 0.828 $\chi^2/\text{NDF}: 2068434.6/56$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 6855.325 ± 0.591 $\chi^2/\text{NDF}: 4803443.8/11$
 Right Out: 6629.228 ± 1.176 $\chi^2/\text{NDF}: 2154695.4/33$ - sign 6832.386 ± 0.843 $\chi^2/\text{NDF}: 2733553.8/56$
 Left In: 7047.269 ± 1.209 $\chi^2/\text{NDF}: 517433.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -13.889 ± 4.075 χ^2/NDF : 44.5/31

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

Right Out: -11.972 ± 4.197 χ^2/NDF : 23.7/33

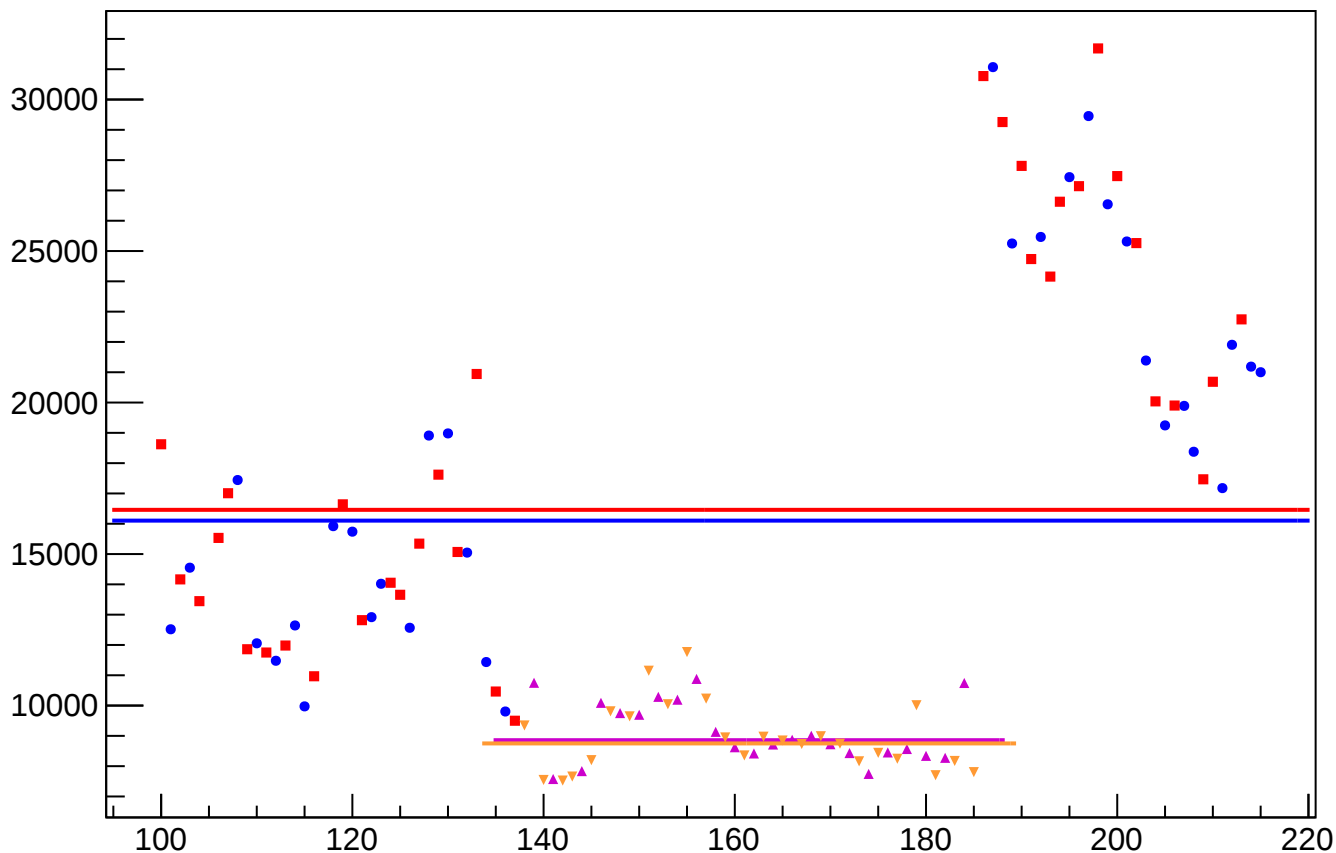
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -10.529 ± 1.839 χ^2/NDF : 103.3/56

All: -6.869 ± 1.324 χ^2/NDF : 170.8/113

- sign -2.924 ± 1.909 χ^2/NDF : 59.3/56

diff_bpm4ecX_rms vs Slug



Right In: 16103.393+/-2.881 χ^2/NDF : 3342251.0/31

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

Right Out: 16459.344+/-2.968 χ^2/NDF : 3634504.1/33

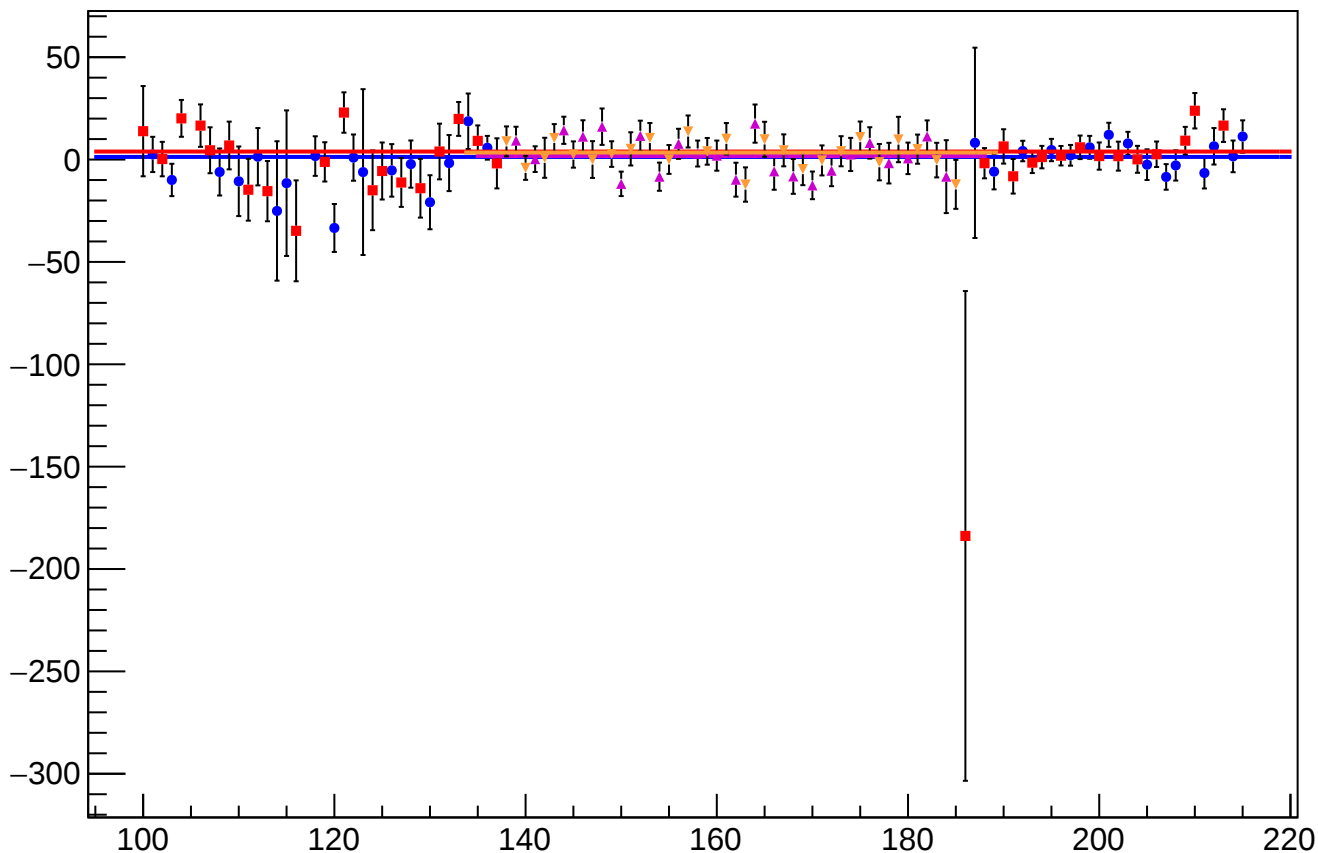
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 10247.800+/-1.300 χ^2/NDF : 8992044.5/56

All: 10335.588+/-0.936 χ^2/NDF : 18201800.4

- sign 10430.205+/-1.350 χ^2/NDF : 9200284.9/56

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: 3.910 ± 1.437 χ^2/NDF : 39.8/33

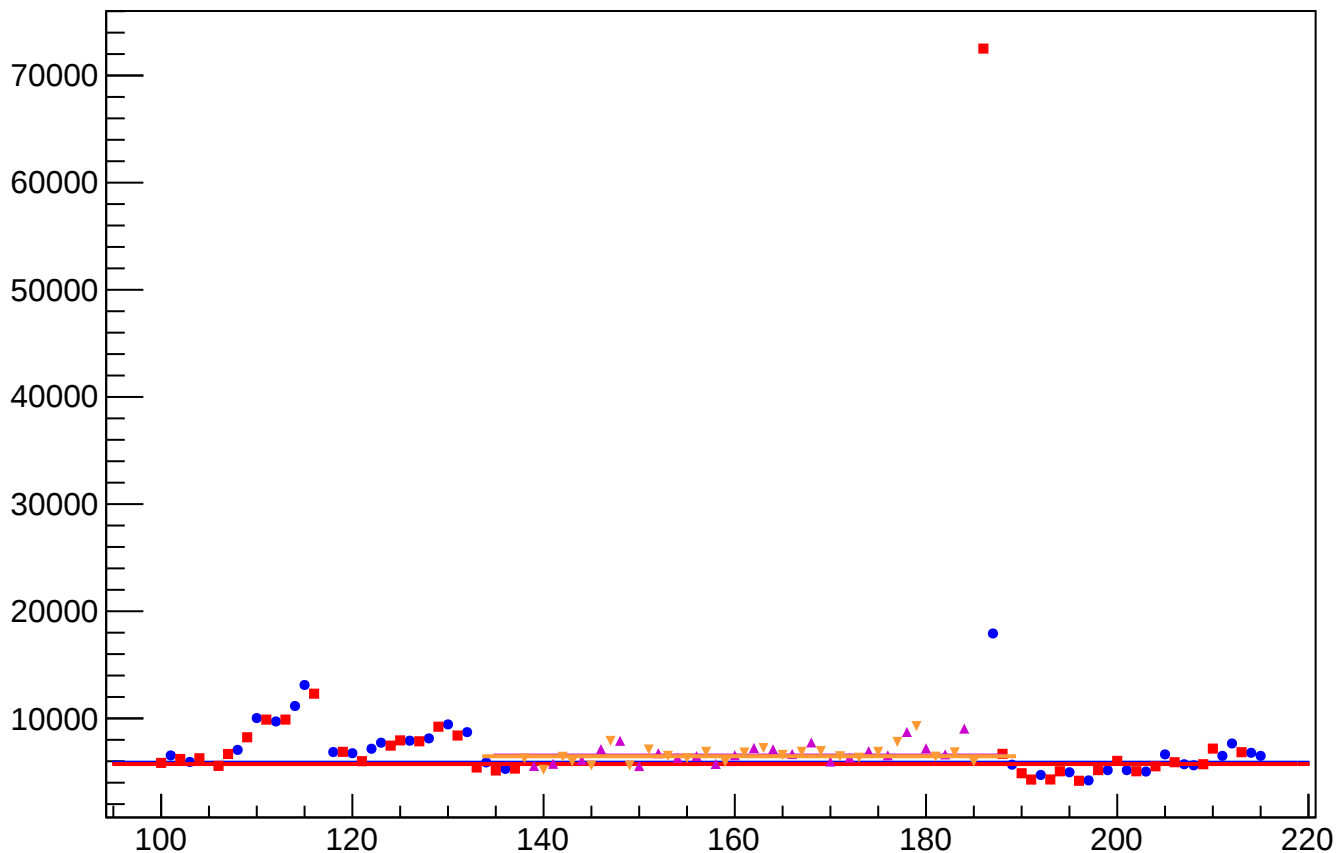
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

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

All: 2.611 ± 0.748 χ^2/NDF : 122.7/113

- sign 2.929 ± 1.065 χ^2/NDF : 74.5/56

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: 5738.923 ± 1.016 $\chi^2/\text{NDF}: 2223839.0/33$

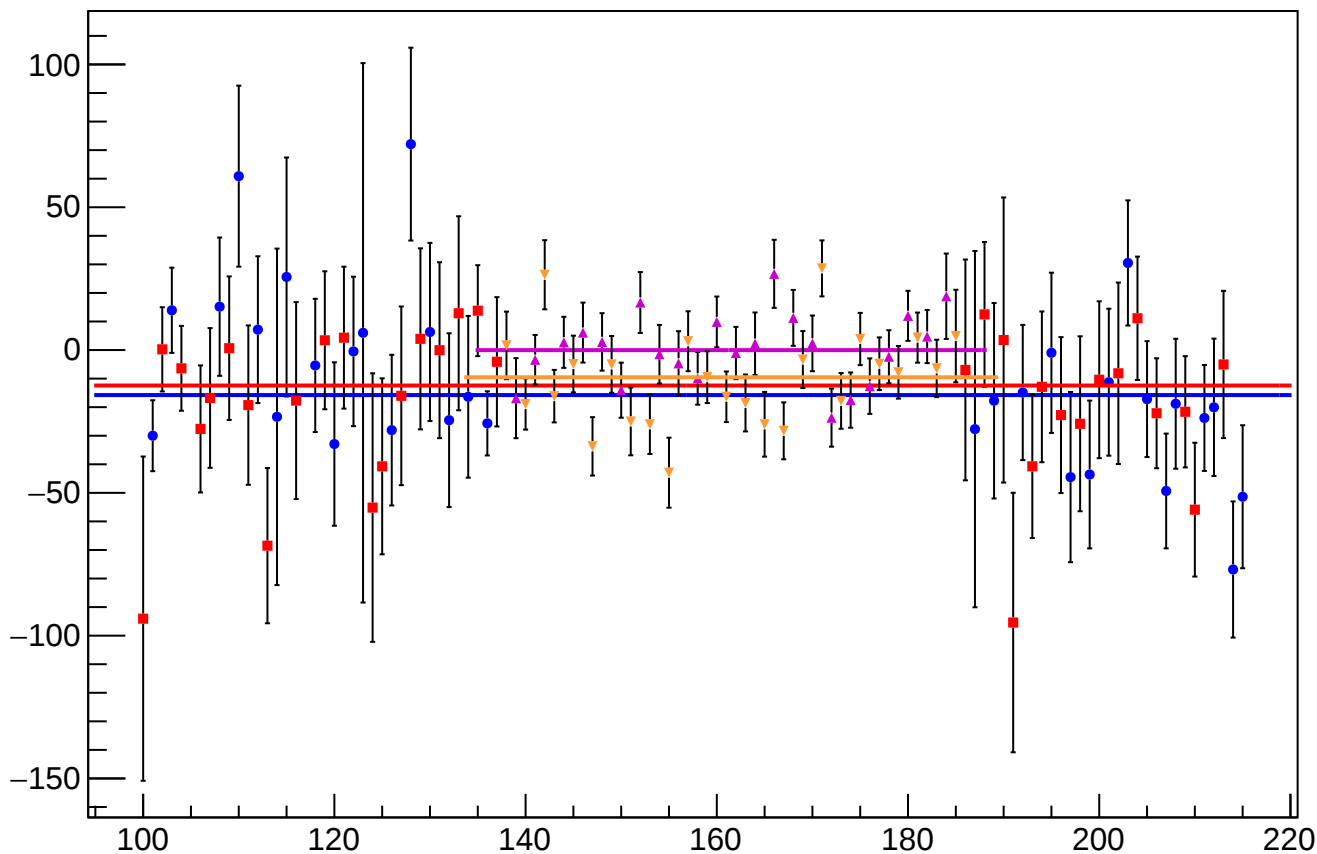
Left In: 6530.954 ± 1.121 $\chi^2/\text{NDF}: 464668.6/22$

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

All: 6124.574 ± 0.529 $\chi^2/\text{NDF}: 5268848.6/11$

- sign 6096.046 ± 0.753 $\chi^2/\text{NDF}: 2962447.2/56$

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: -12.422 ± 4.282 χ^2/NDF : 25.7/33

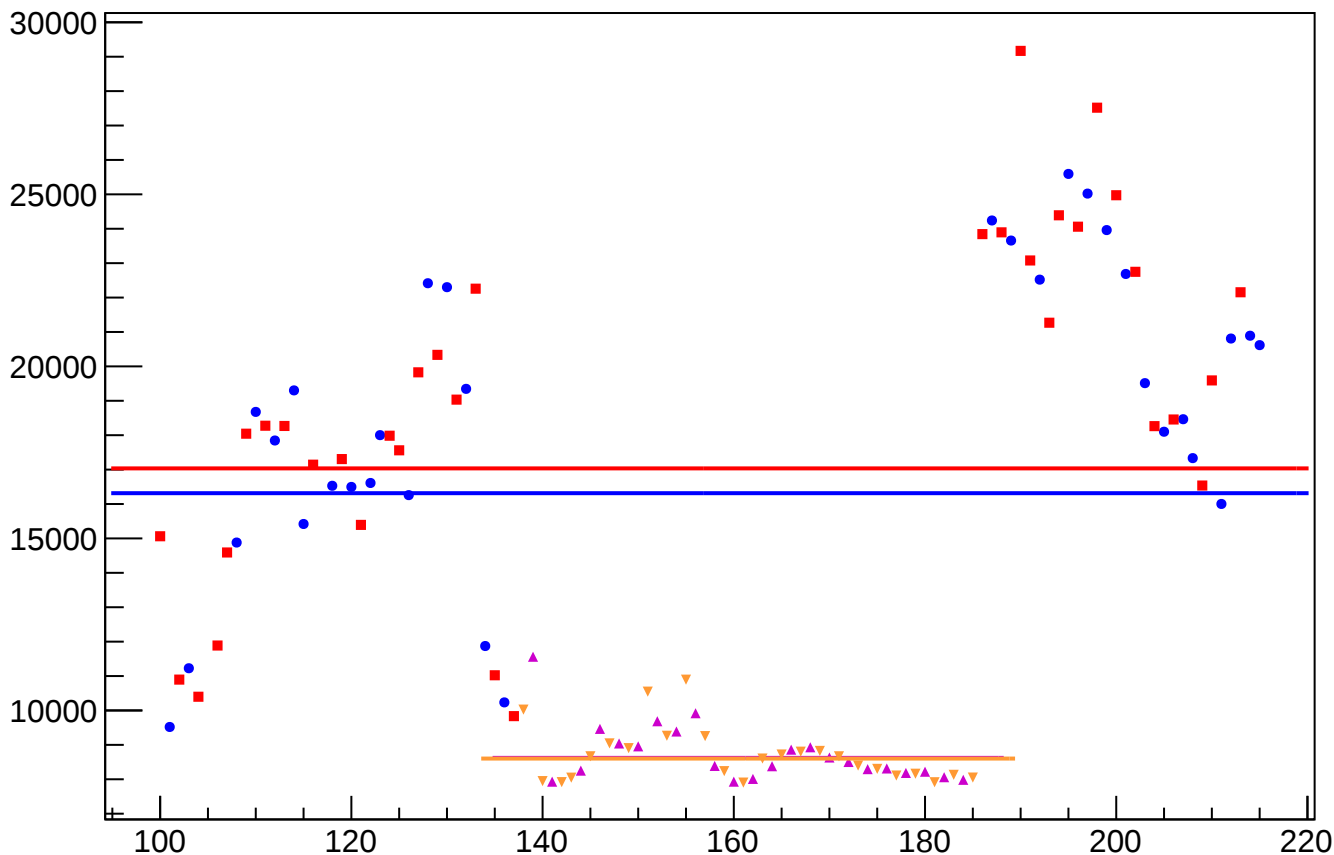
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

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

All: -6.708 ± 1.300 χ^2/NDF : 176.4/113

- sign -2.392 ± 1.871 χ^2/NDF : 62.4/56

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

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

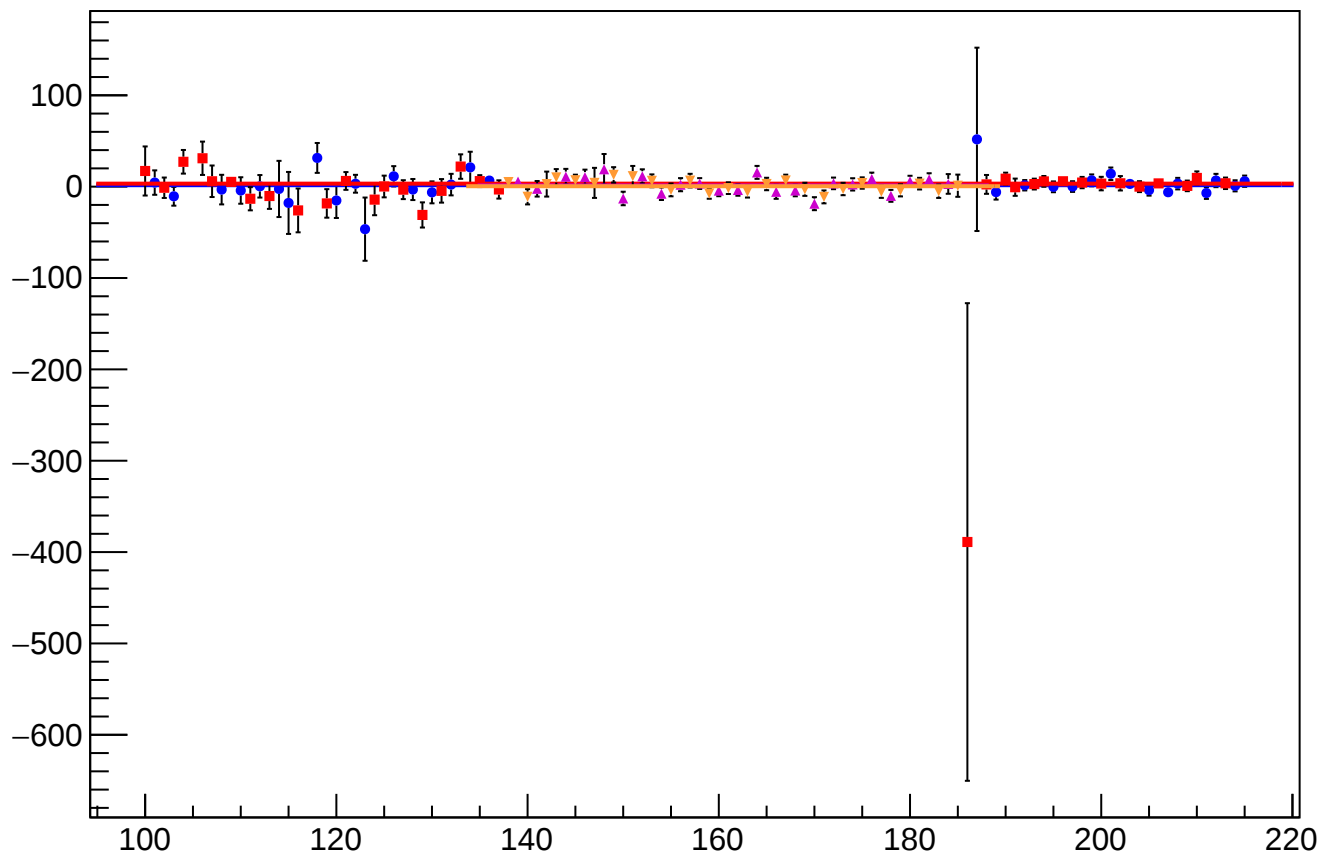
Right Out: 17035.156 $\pm$ 3.028 χ^2 /NDF: 2771620.9/33

All: 10163.128 $\pm$ 0.919 χ^2 /NDF: 18097247.1

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

- sign 10227.726 $\pm$ 1.323 χ^2 /NDF: 9248459.4/56

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: 3.291 $\pm$ 1.407 χ^2 /NDF: 27.9/33

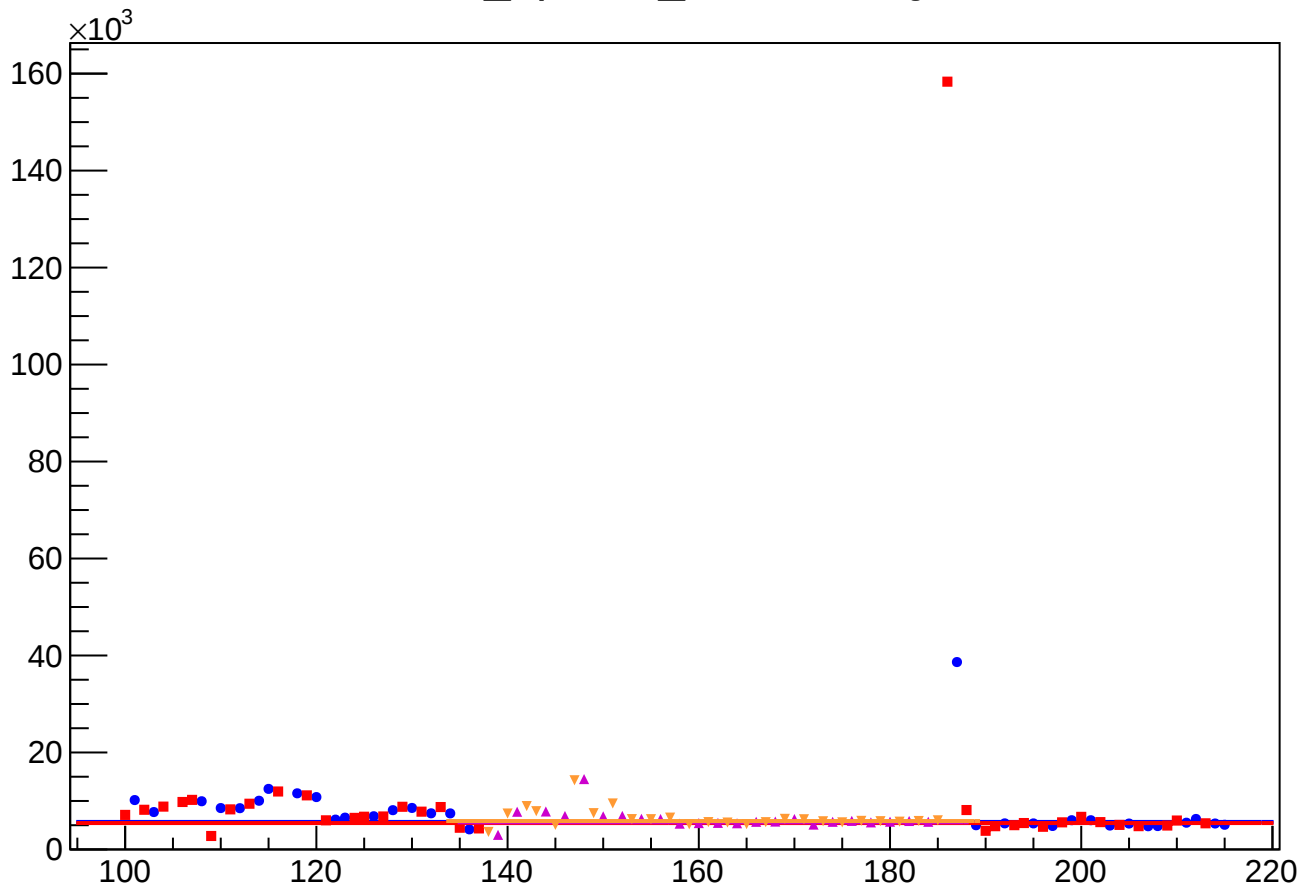
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

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

All: 1.671 $\pm$ 0.706 χ^2 /NDF: 105.8/113

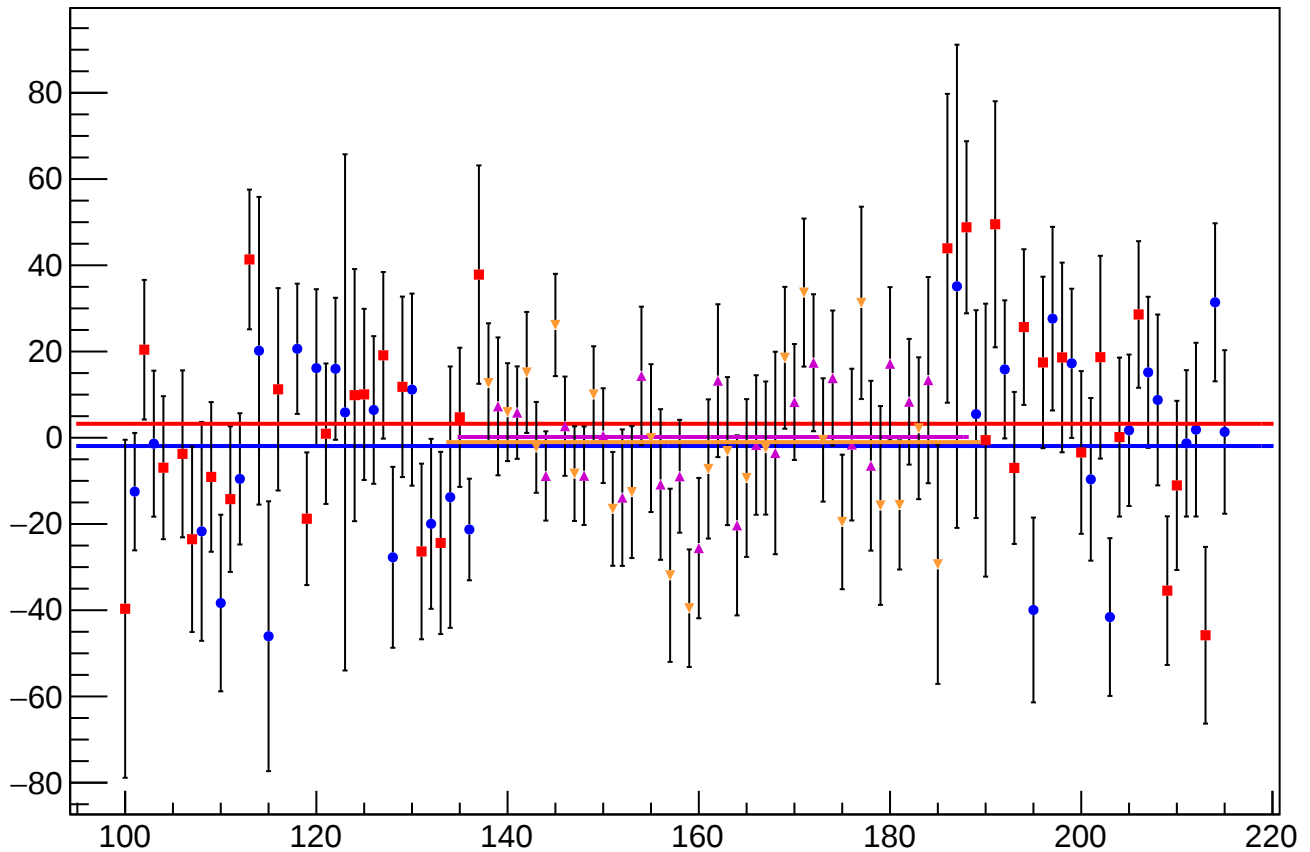
- sign 2.294 $\pm$ 0.994 χ^2 /NDF: 62.0/56

diff_bpm1Y_rms vs Slug



Right In: 5676.735+/-1.001	χ^2/NDF : 2149694.8/31	+ sign 5767.493+/-0.709	χ^2/NDF : 3857502.5/56
Left Out: 5858.642+/-1.004	χ^2/NDF : 1691344.1/24	All: 5642.855+/-0.499	χ^2/NDF : 9479897.5/11
Right Out: 5443.458+/-0.995	χ^2/NDF : 3459402.6/33	- sign 5520.191+/-0.703	χ^2/NDF : 5561052.2/56
Left In: 5596.879+/-0.994	χ^2/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: 3.242 ± 3.374 χ^2/NDF : 46.5/33

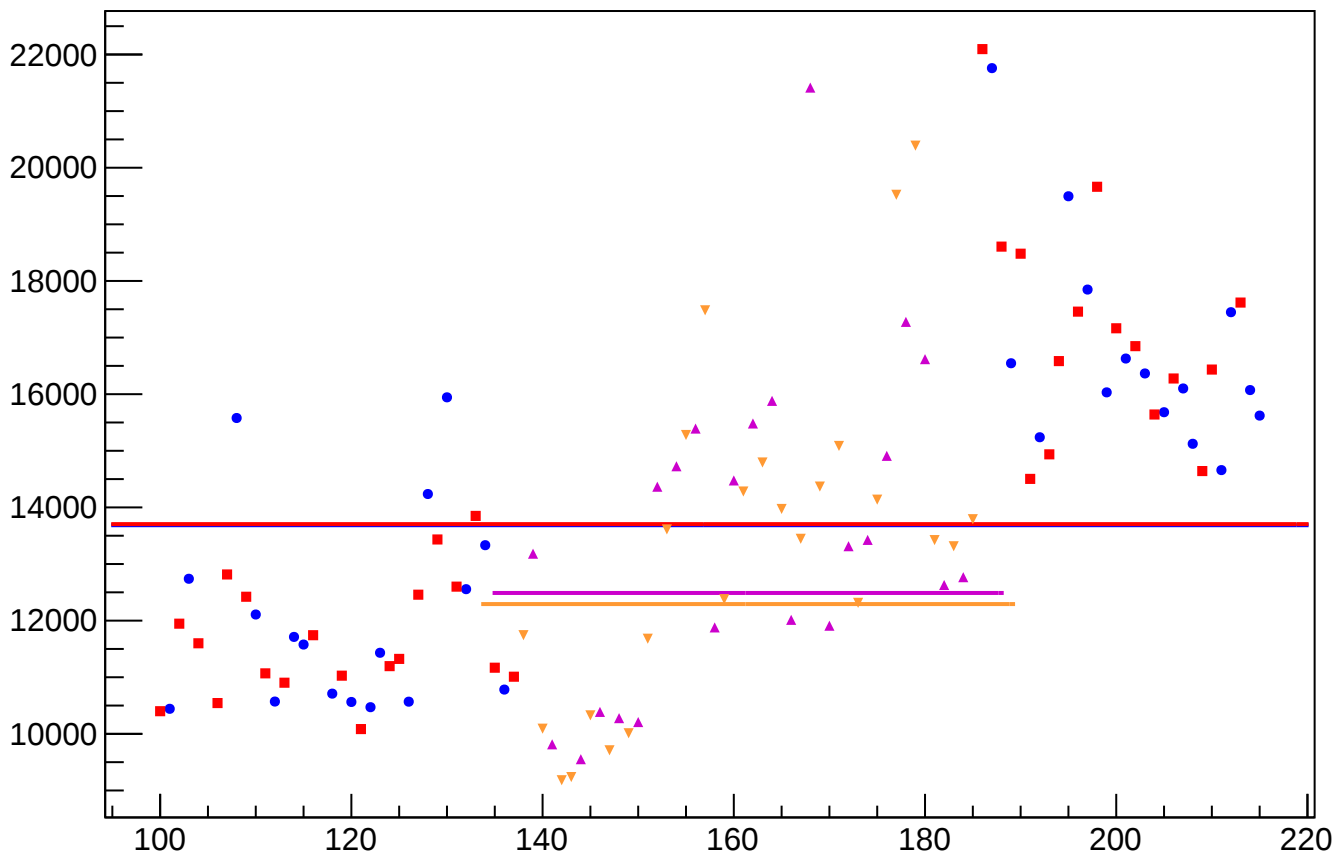
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

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

All: 0.039 ± 1.584 χ^2/NDF : 128.5/113

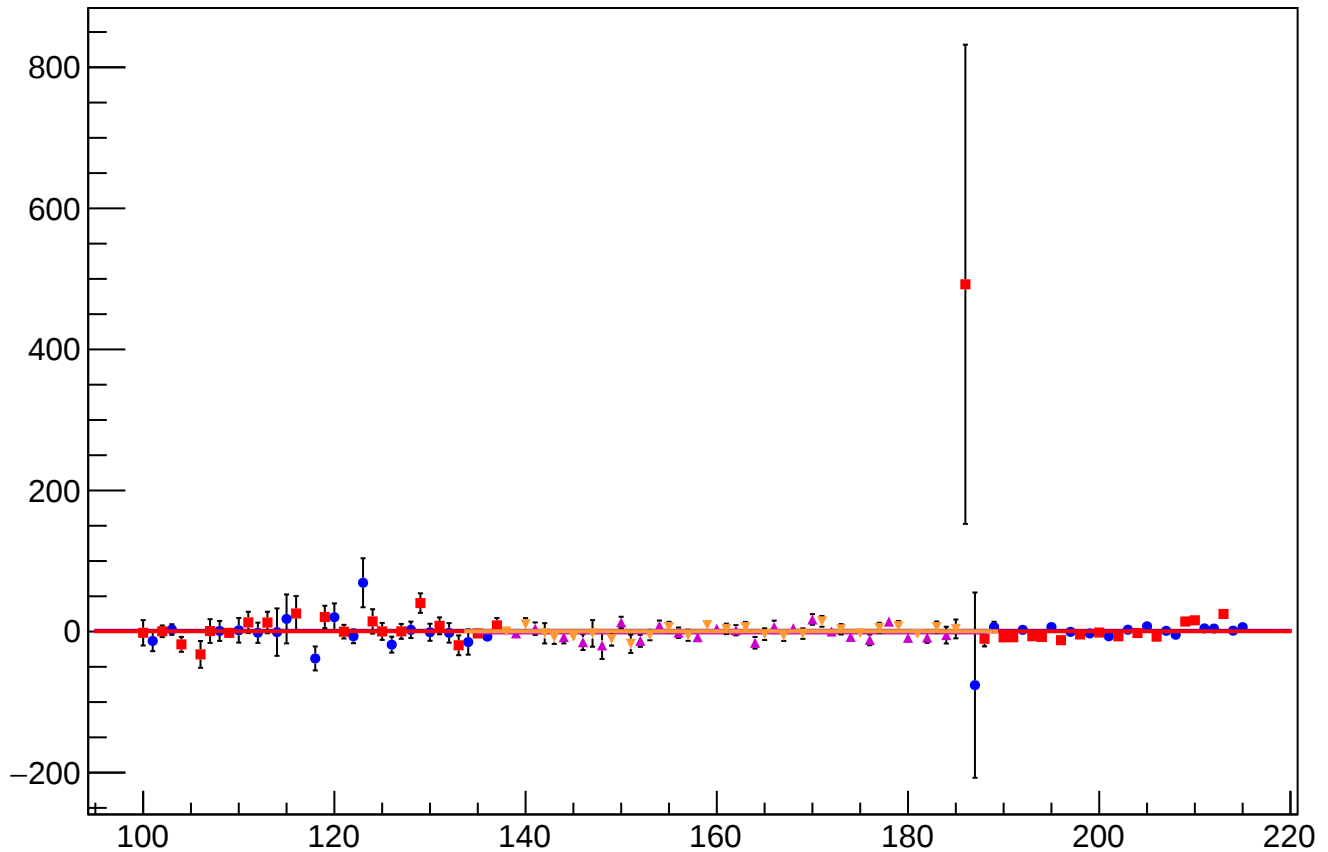
- sign 1.561 ± 2.270 χ^2/NDF : 59.3/56

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: 12967.101+/-1.120	χ^2/NDF : 5911276.6/1
Right Out: 13704.910+/-2.386	χ^2/NDF : 1394084.6/33	- sign 13039.089+/-1.605	χ^2/NDF : 2890825.6/56
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: 0.422 ± 1.198 χ^2/NDF : 90.2/33

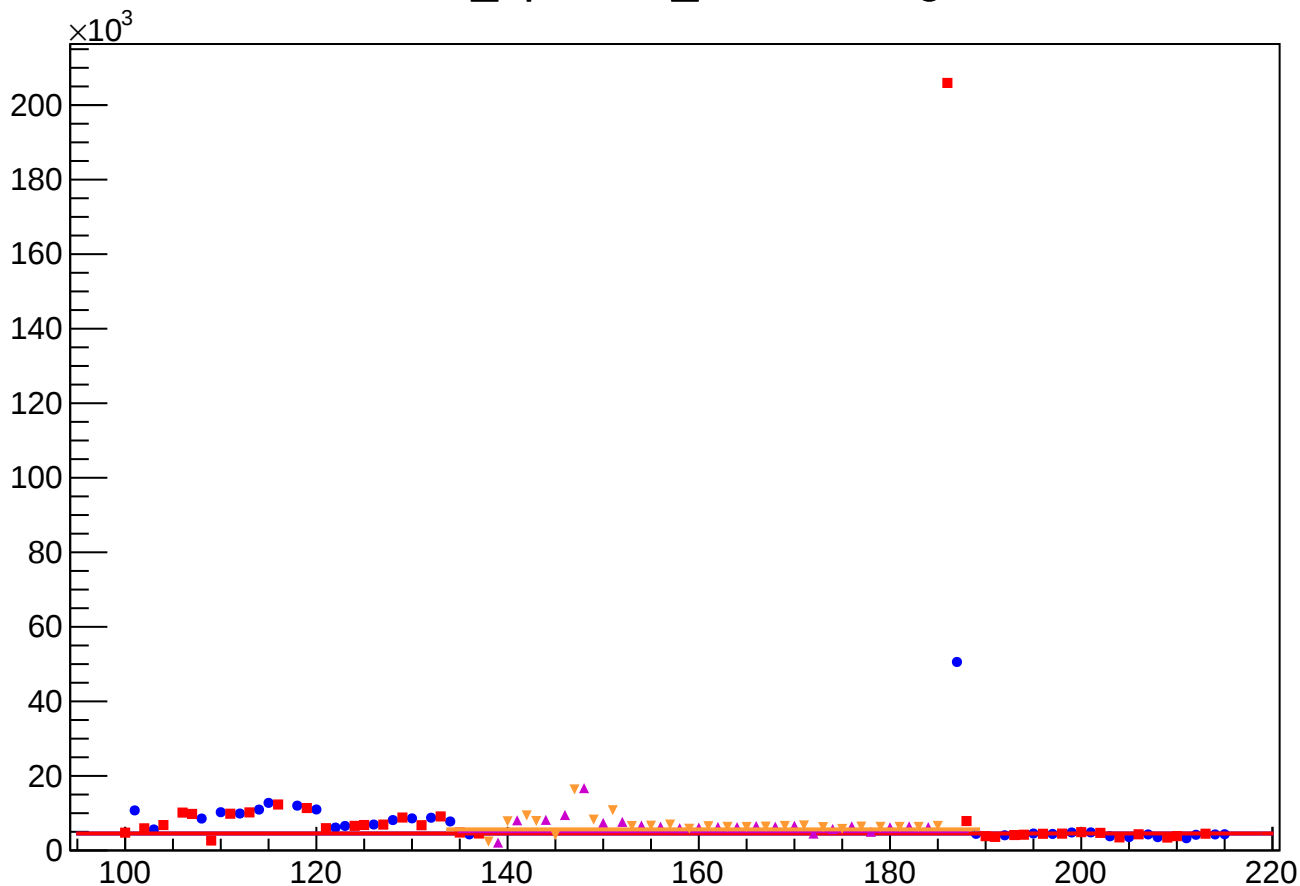
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

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

All: 0.245 ± 0.639 χ^2/NDF : 175.0/113

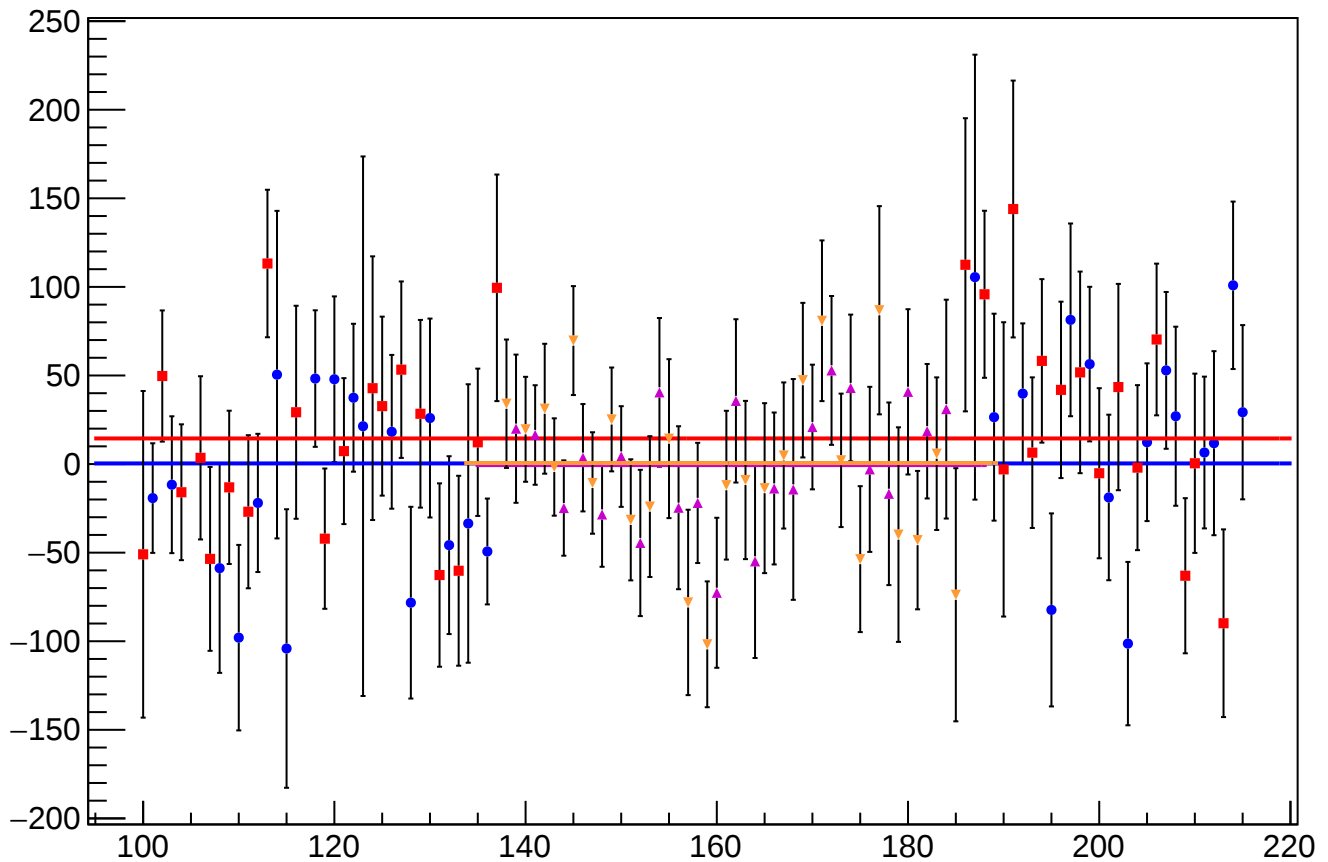
- sign -0.306 ± 0.906 χ^2/NDF : 125.1/56

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: 4904.242 ± 0.452 $\chi^2/\text{NDF}: 17885078.4/1$
 Right Out: 4556.745 ± 0.847 $\chi^2/\text{NDF}: 3954338.6/33$ - sign 4823.684 ± 0.641 $\chi^2/\text{NDF}: 9536450.2/56$
 Left In: 5180.743 ± 0.980 $\chi^2/\text{NDF}: 5350053.6/22$

diff_bpm12X_mean vs Slug



Right In: 0.363 ± 8.385 $\chi^2/\text{NDF}: 36.9/31$

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

Right Out: 14.464 ± 8.431 $\chi^2/\text{NDF}: 38.4/33$

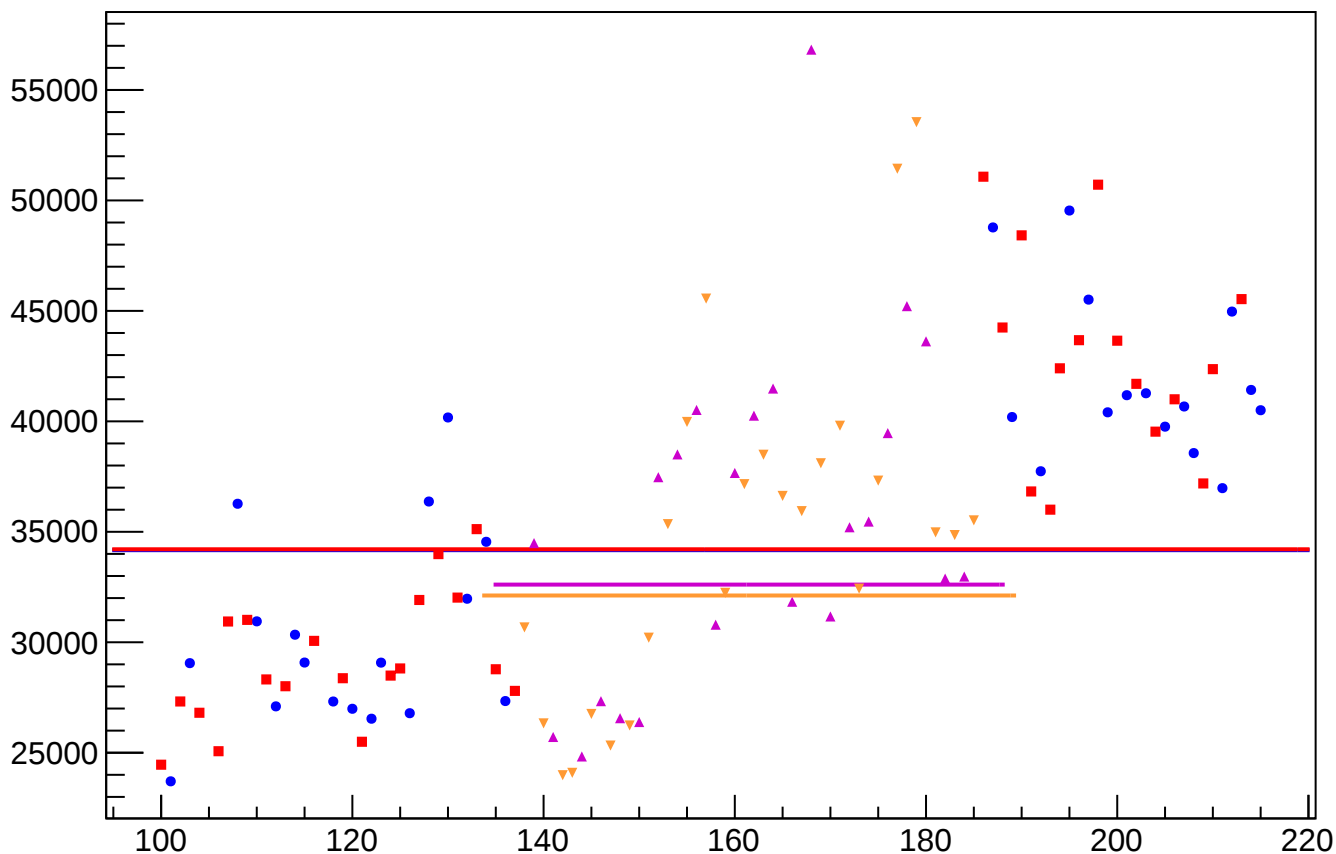
Left In: -0.565 ± 8.015 $\chi^2/\text{NDF}: 14.3/22$

+ sign 0.481 ± 5.668 $\chi^2/\text{NDF}: 67.9/56$

All: 3.450 ± 4.057 $\chi^2/\text{NDF}: 122.8/113$

- sign 6.570 ± 5.809 $\chi^2/\text{NDF}: 54.3/56$

diff_bpm12X_rms vs Slug



Right In: 34168.714 $\pm$ 5.929 χ^2 /NDF: 1432838.9/31

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

Right Out: 34209.146 $\pm$ 5.961 χ^2 /NDF: 1466660.8/33

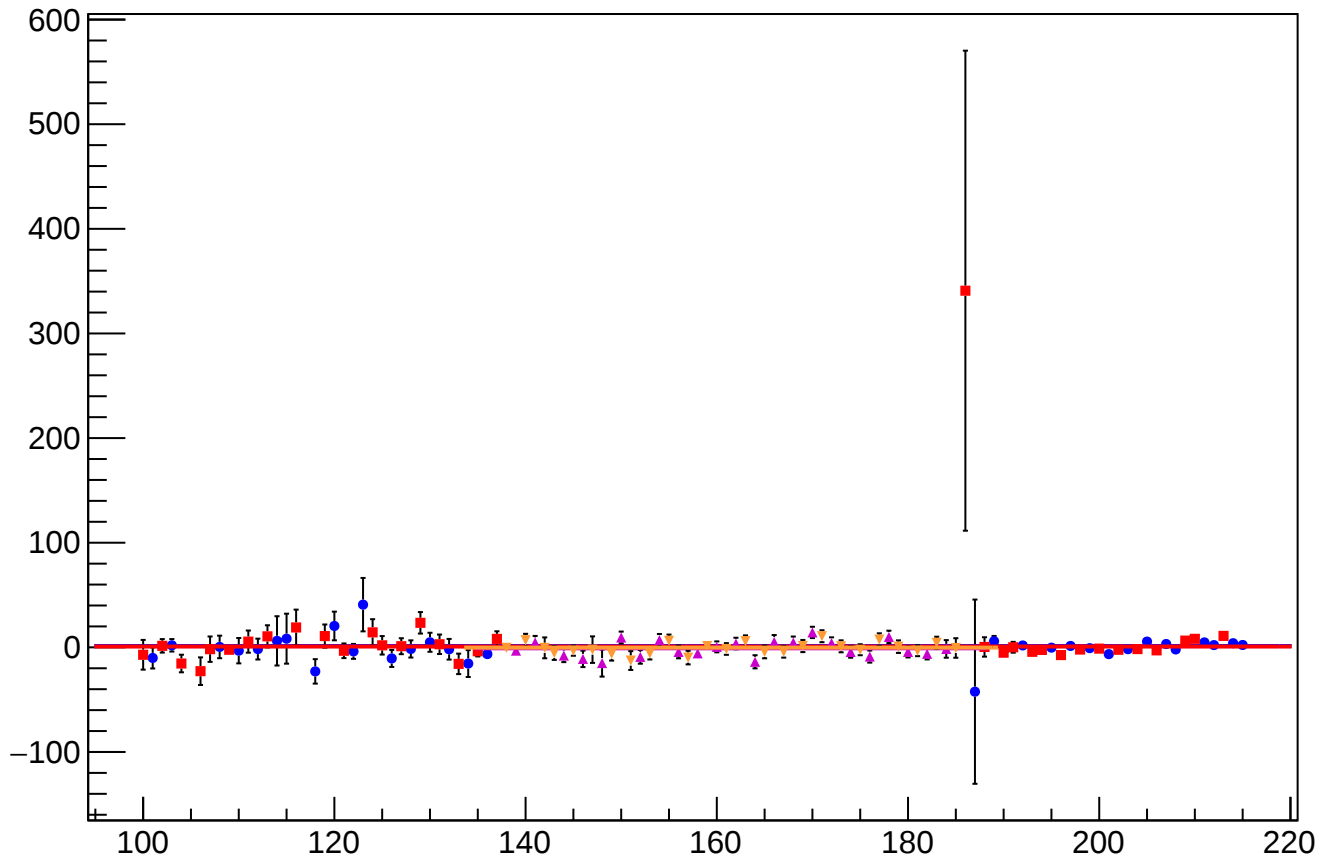
Left In: 32610.108 $\pm$ 5.667 χ^2 /NDF:1398475.8/22

+ sign 33054.546 $\pm$ 4.008 χ^2 /NDF: 3034606.5/56

All: 33207.994 $\pm$ 2.868 χ^2 /NDF: 5940542.8/100

- sign 33369.181 $\pm$ 4.107 χ^2 /NDF: 2902930.1/56

diff_bpm12Y_mean vs Slug



Right In: 1.221 $\pm$ 0.674 χ^2 /NDF: 38.8/31

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

Right Out: 0.798 $\pm$ 0.745 χ^2 /NDF: 73.3/33

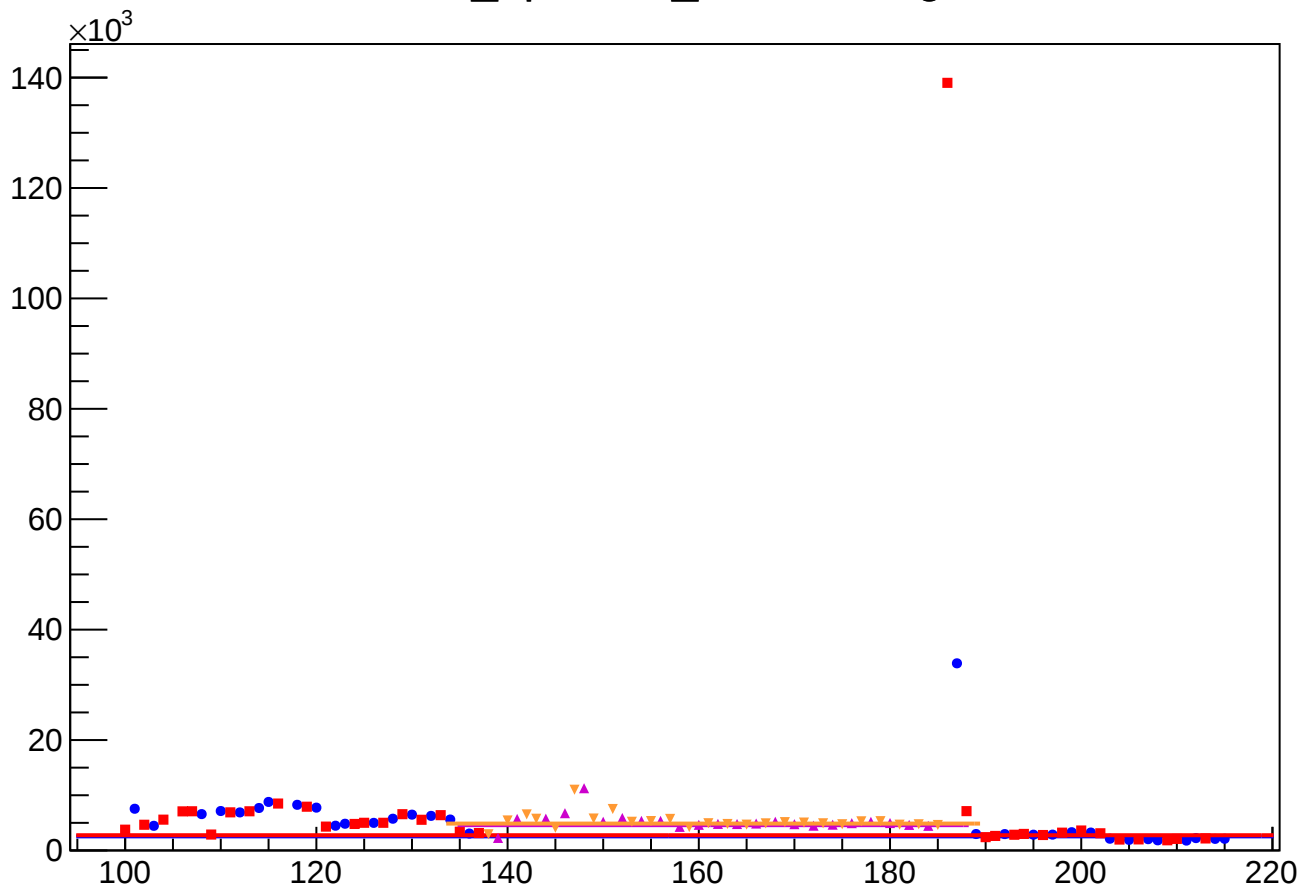
Left In: -0.925 $\pm$ 1.154 χ^2 /NDF: 36.1/22

+ sign 0.854 $\pm$ 0.585 χ^2 /NDF: 58.0/56

All: 0.592 $\pm$ 0.427 χ^2 /NDF: 169.4/113

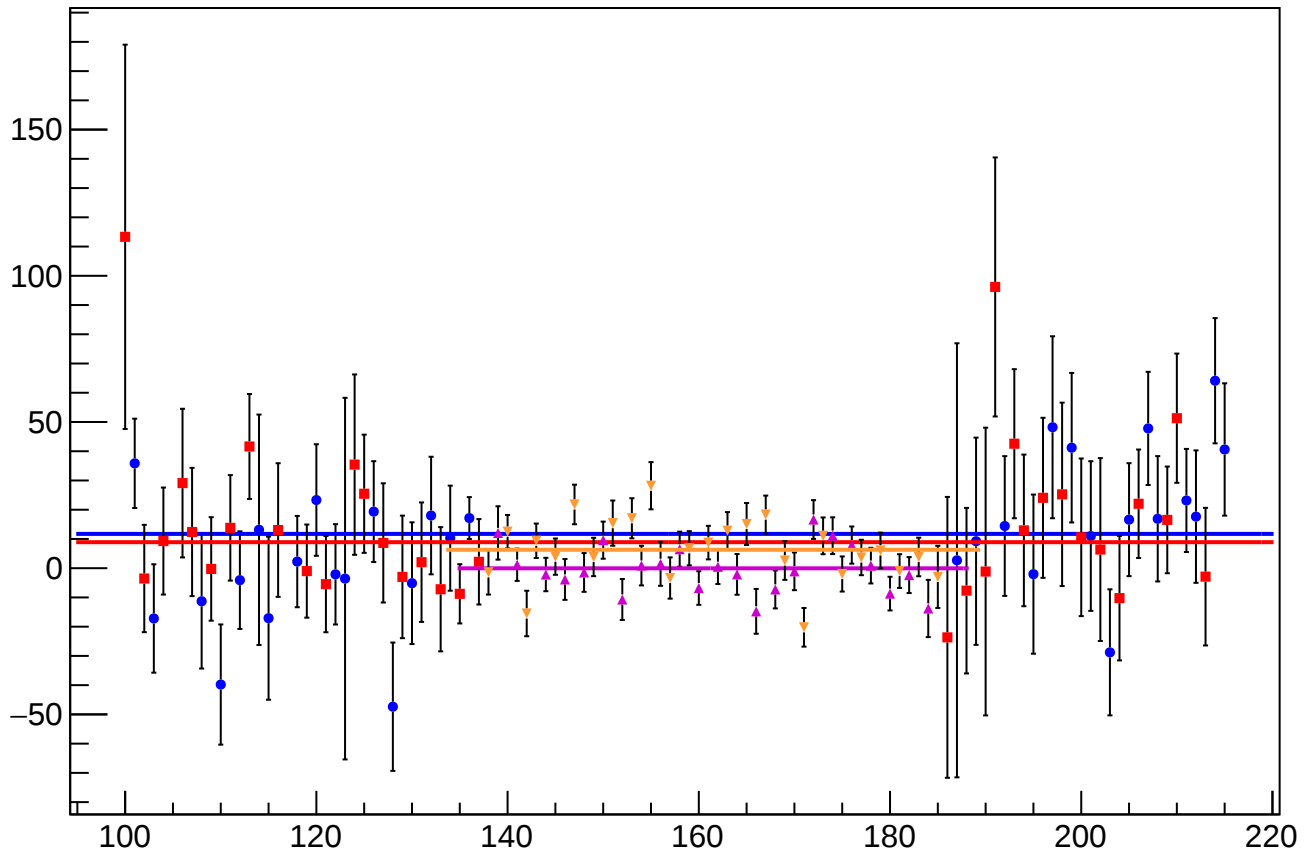
- sign 0.291 $\pm$ 0.626 χ^2 /NDF: 110.9/56

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: 3205.700 $\pm$ 0.302 χ^2/NDF : 24828223.1/1
 Right Out: 2759.796 $\pm$ 0.527 χ^2/NDF : 5825333.9/33 - sign 3295.832 $\pm$ 0.442 χ^2/NDF : 11826511.1/56
 Left In: 4582.193 $\pm$ 0.816 χ^2/NDF : 2478681.0/22

diff_bpm16X_mean vs Slug



Right In: 11.730 ± 3.382 $\chi^2/\text{NDF}: 42.6/31$

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

Right Out: 8.896 ± 3.573 $\chi^2/\text{NDF}: 26.7/33$

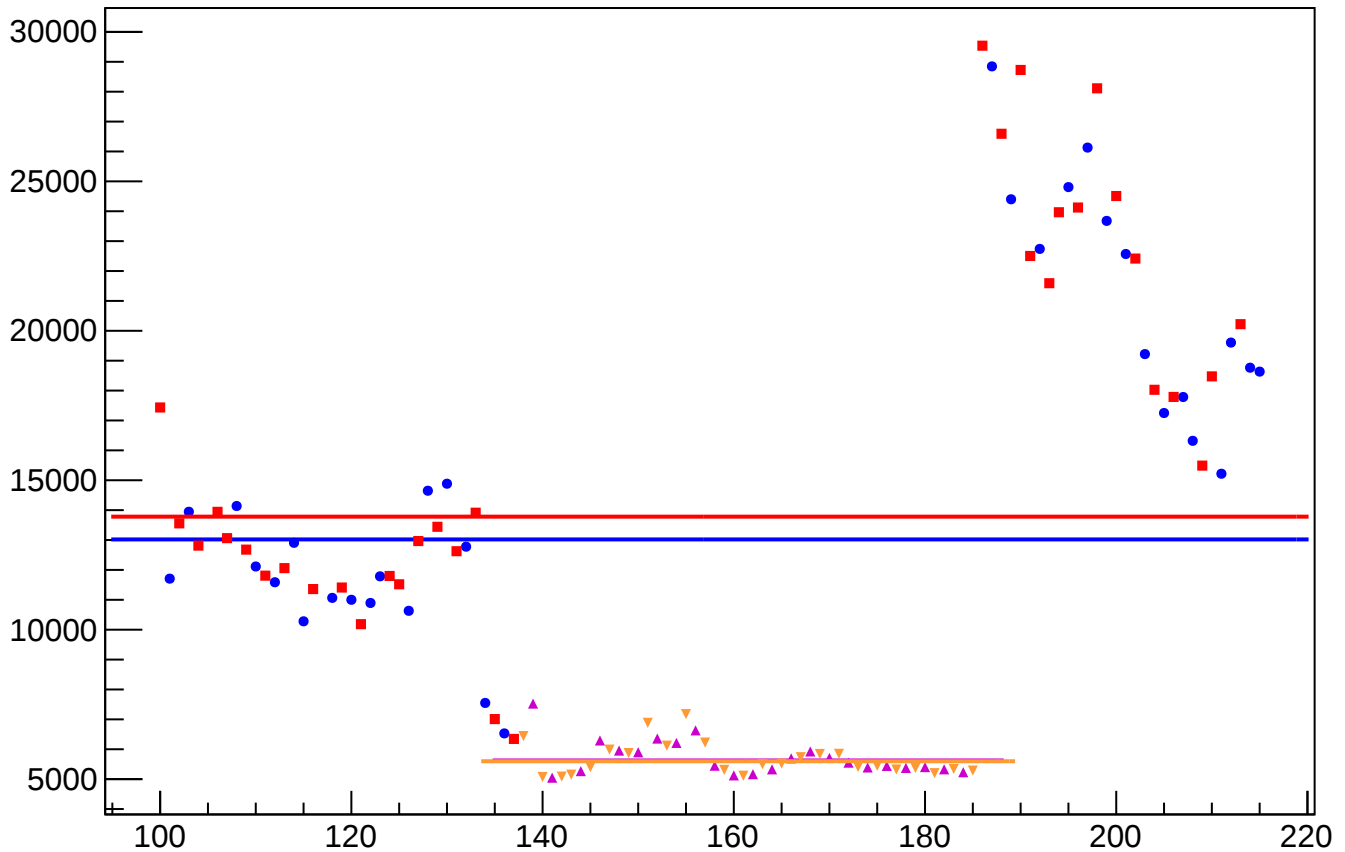
Left In: -0.044 ± 1.358 $\chi^2/\text{NDF}: 30.0/22$

+ sign 7.013 ± 1.224 $\chi^2/\text{NDF}: 101.6/56$

All: 4.157 ± 0.881 $\chi^2/\text{NDF}: 175.0/113$

- sign 1.084 ± 1.269 $\chi^2/\text{NDF}: 62.2/56$

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: 13782.439 ± 2.527 χ^2/NDF : 4669279.9/33

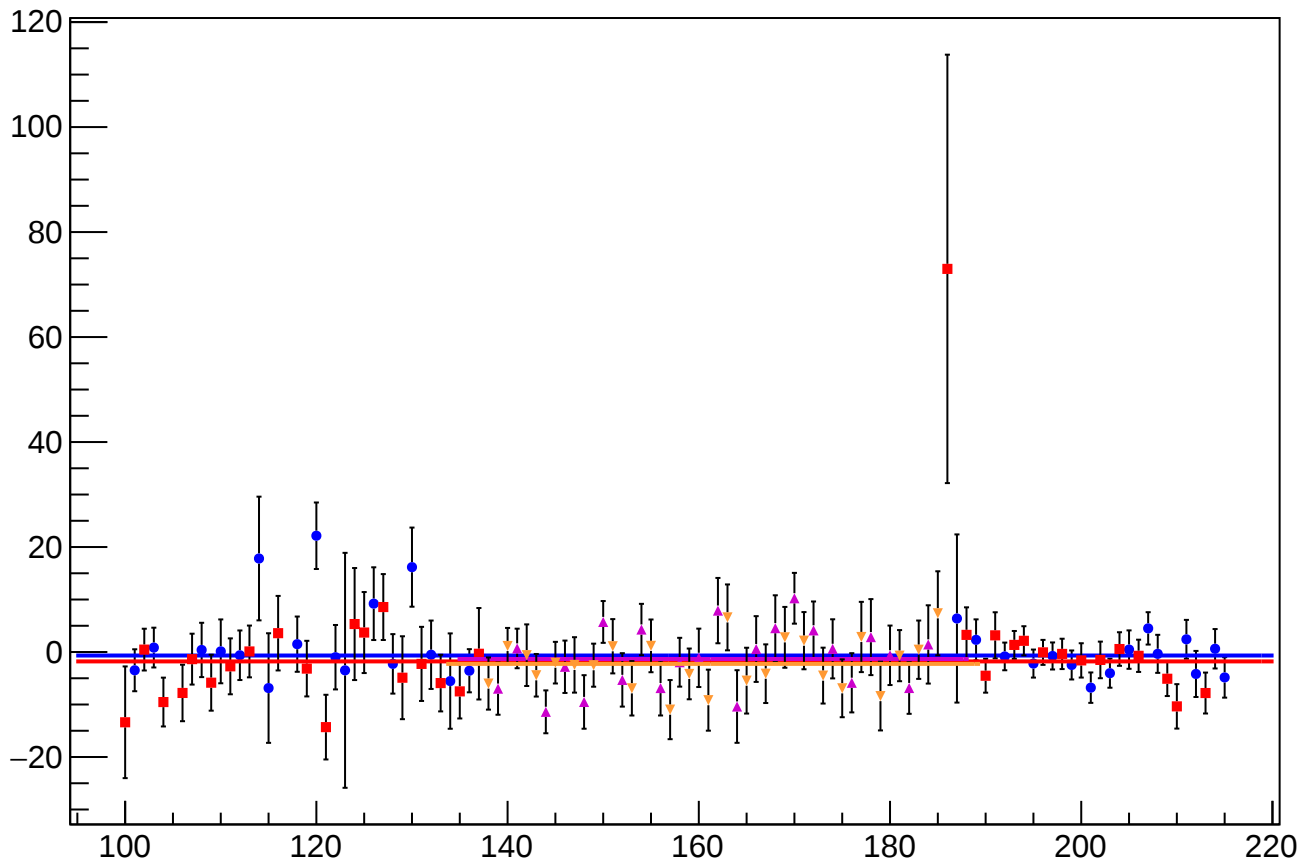
Left In: 5625.163 ± 0.960 χ^2/NDF : 272563.5/22

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

All: 6610.852 ± 0.623 χ^2/NDF : 27632641.2/100

- sign 6654.278 ± 0.897 χ^2/NDF : 14049596.7/56

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: -1.788 ± 0.724 χ^2/NDF : 35.3/33

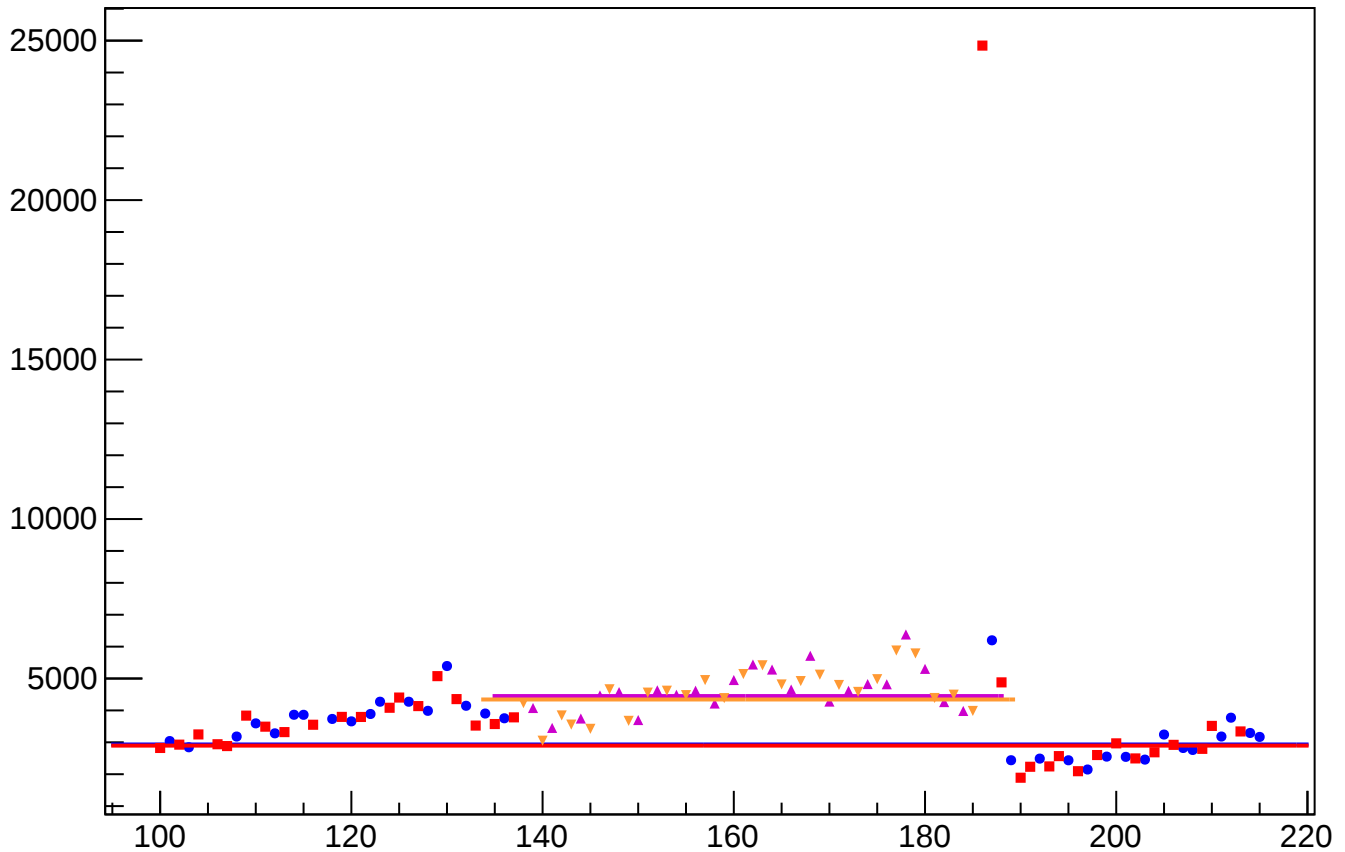
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

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

All: -1.415 ± 0.422 χ^2/NDF : 121.1/113

- sign -1.646 ± 0.602 χ^2/NDF : 66.1/56

diff_bpm16Y_rms vs Slug



Right In: 2931.839 $\pm$ 0.511 χ^2 /NDF: 1416382.5/31

Left Out: 4342.635 $\pm$ 0.728 χ^2 /NDF: 993035.5/24

Right Out: 2896.641 $\pm$ 0.512 χ^2 /NDF: 2338181.1/33

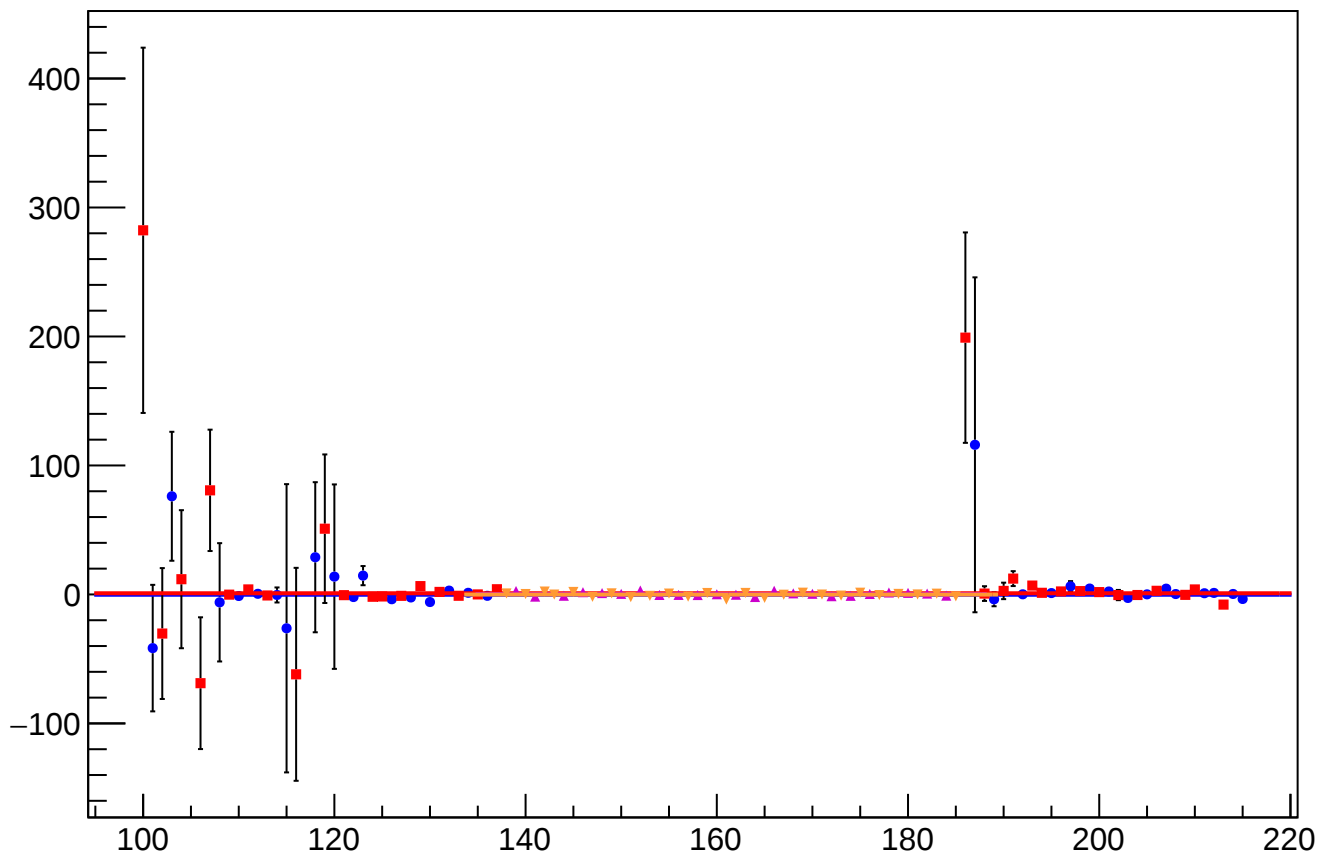
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF: 693229.8/22

+ sign 3396.855 $\pm$ 0.418 χ^2 /NDF: 4924131.2/56

All: 3387.201 $\pm$ 0.298 χ^2 /NDF: 10803456.6/100

- sign 3377.205 $\pm$ 0.426 χ^2 /NDF: 5878240.8/56

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: 0.915 ± 0.543 χ^2/NDF : 47.6/33

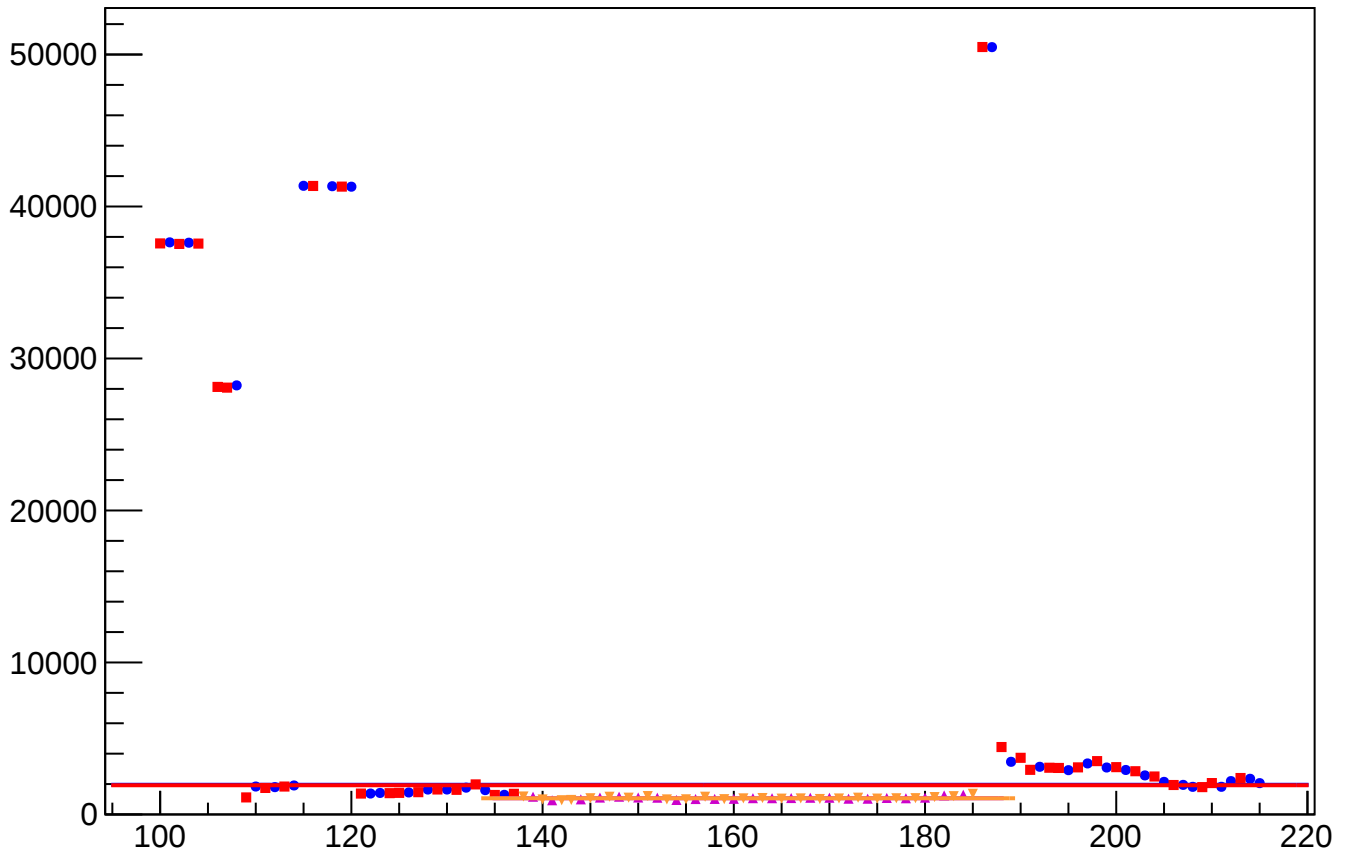
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

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

All: 0.122 ± 0.162 χ^2/NDF : 146.9/113

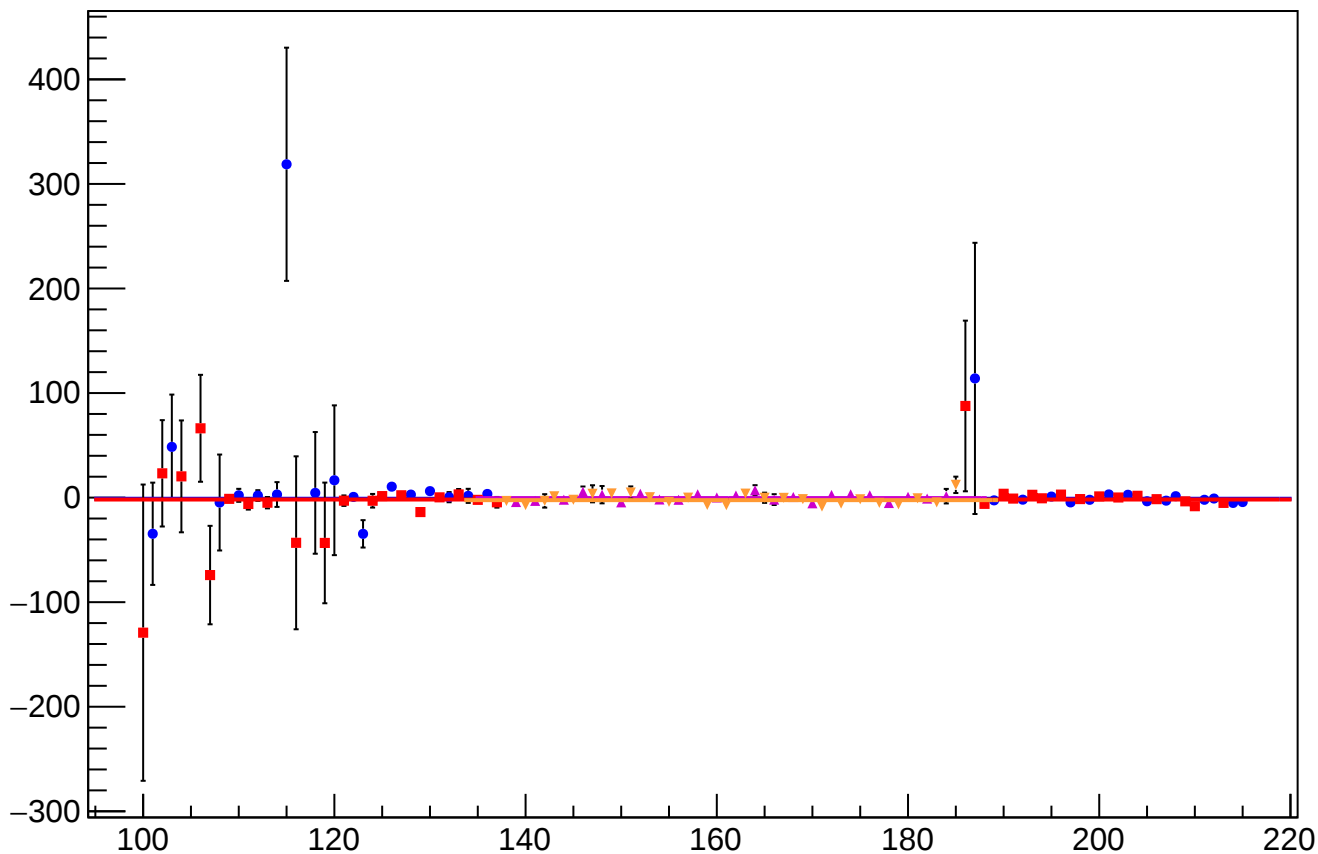
- sign 0.379 ± 0.232 χ^2/NDF : 76.0/56

diff_bpm1p02bX_rms vs Slug



Right In: 1952.442 ± 0.372 $\chi^2/\text{NDF}: 7002473.7/31$ + sign 1227.181 ± 0.159 $\chi^2/\text{NDF}: 11840174.1/56$
 Left Out: 1064.701 ± 0.176 $\chi^2/\text{NDF}: 186511.5/24$ All: 1225.053 ± 0.114 $\chi^2/\text{NDF}: 24475811.1/1$
 Right Out: 1921.853 ± 0.384 $\chi^2/\text{NDF}: 8414511.1/33$ - sign 1222.786 ± 0.164 $\chi^2/\text{NDF}: 12635267.9/56$
 Left In: 1066.255 ± 0.182 $\chi^2/\text{NDF}: 164232.1/22$

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: -1.827 ± 0.500 χ^2/NDF : 57.4/33

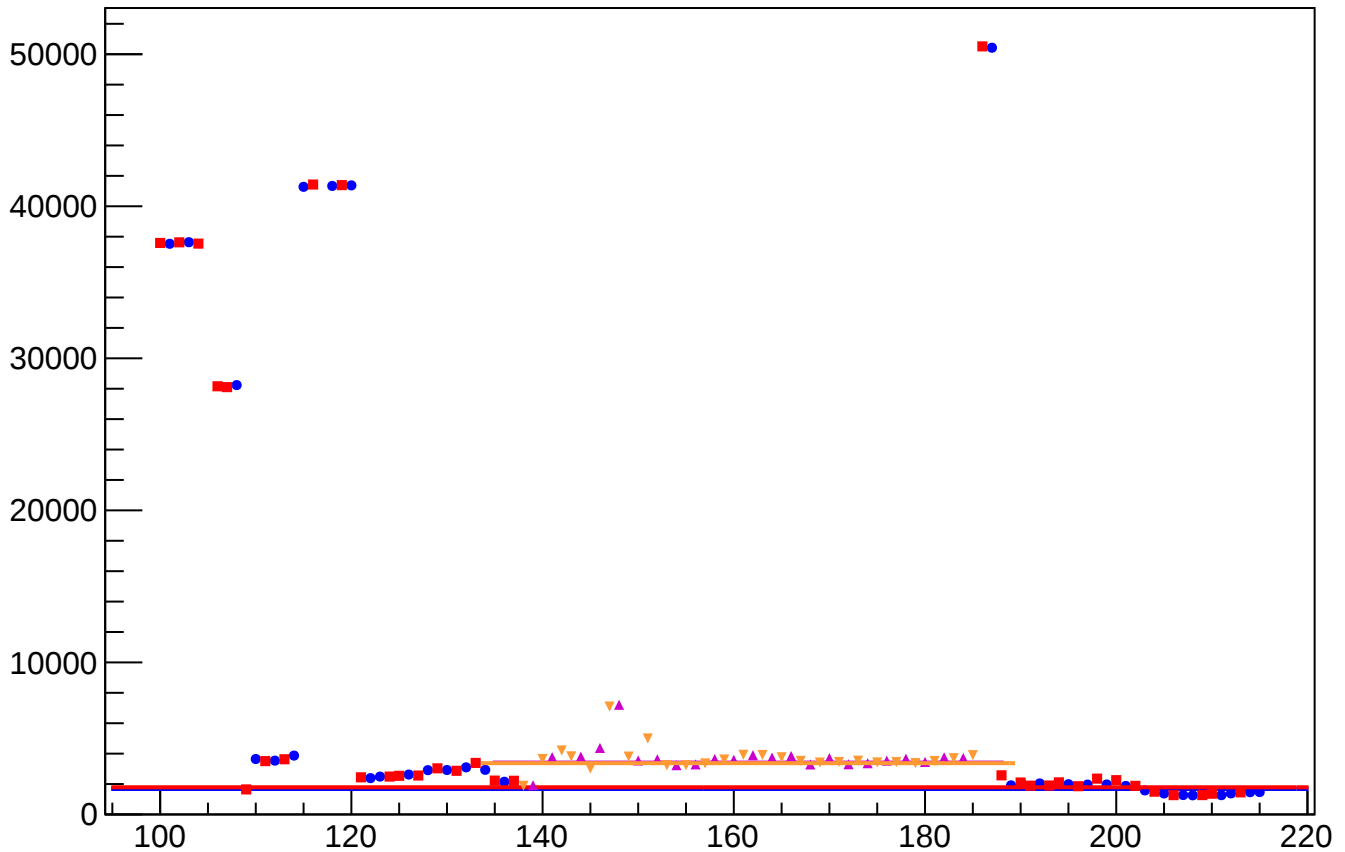
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

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

All: -1.438 ± 0.291 χ^2/NDF : 159.4/113

- sign -1.474 ± 0.430 χ^2/NDF : 74.8/56

diff_bpm1p02bY_rms vs Slug



Right In: 1676.310+/-0.321 χ^2/NDF : 7104849.3/31

Left Out: 3372.958+/-0.573 χ^2/NDF : 1656864.7/24

Right Out: 1787.180+/-0.353 χ^2/NDF : 7540053.6/33

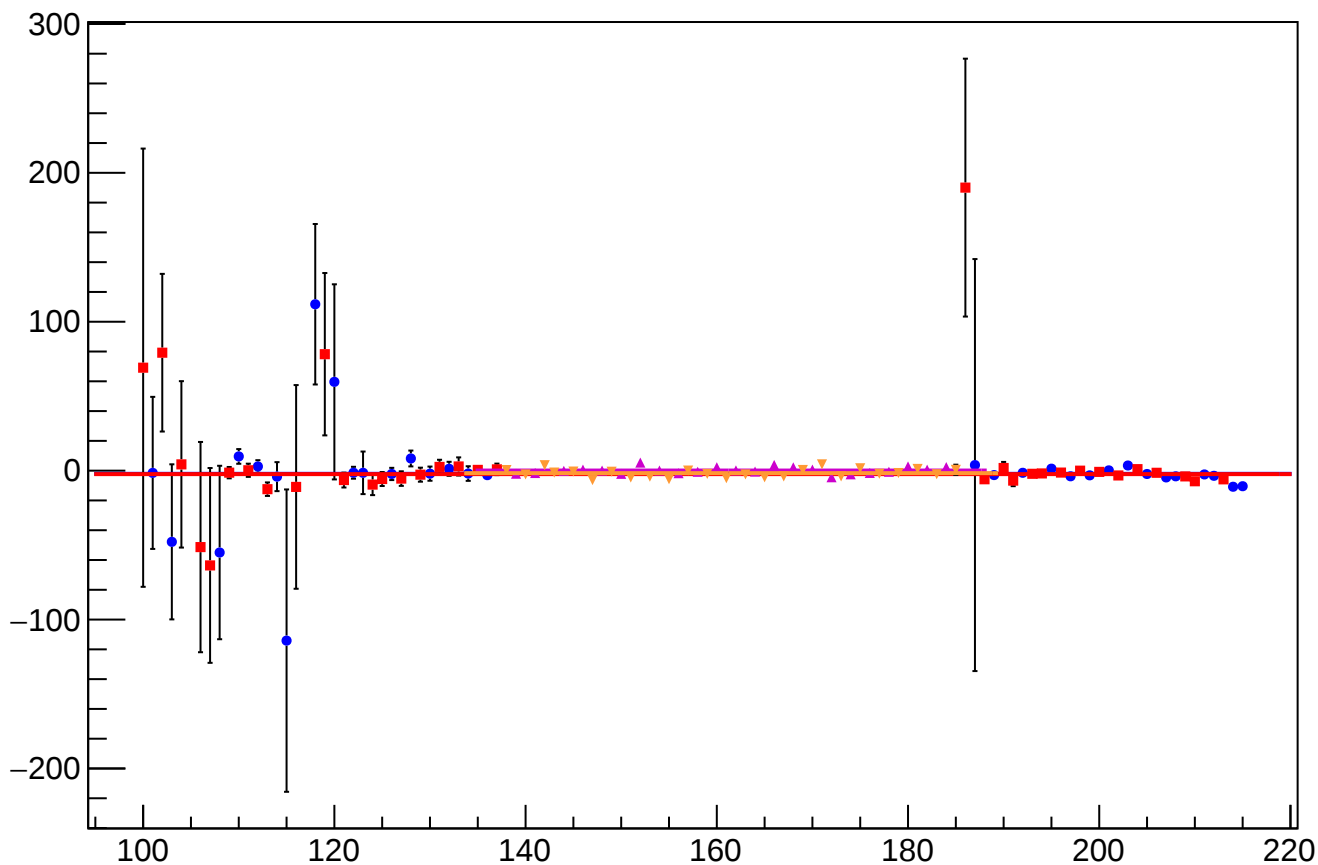
Left In: 3411.924+/-0.596 χ^2/NDF : 1434523.7/22

+ sign 2081.064+/-0.280 χ^2/NDF : 15434335.2/56

All: 2140.093+/-0.206 χ^2/NDF : 30005093.8/100

- sign 2209.667+/-0.304 χ^2/NDF : 14473886.5/56

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: -2.328 ± 0.598 χ^2/NDF : 34.9/33

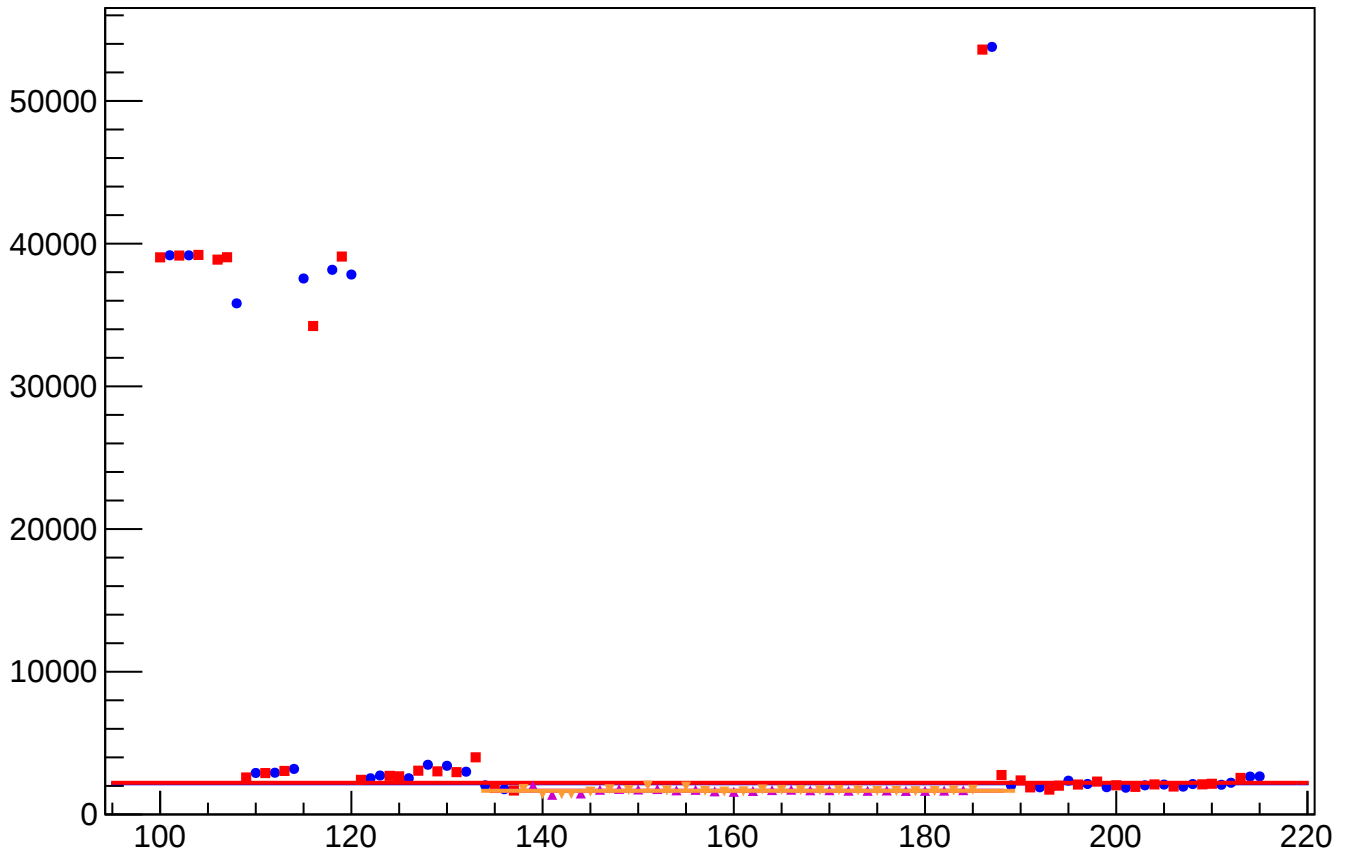
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

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

All: -1.265 ± 0.231 χ^2/NDF : 172.6/113

- sign -0.672 ± 0.333 χ^2/NDF : 74.2/56

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: 2218.675 $\pm$ 0.423 χ^2 /NDF: 6094244.7/33

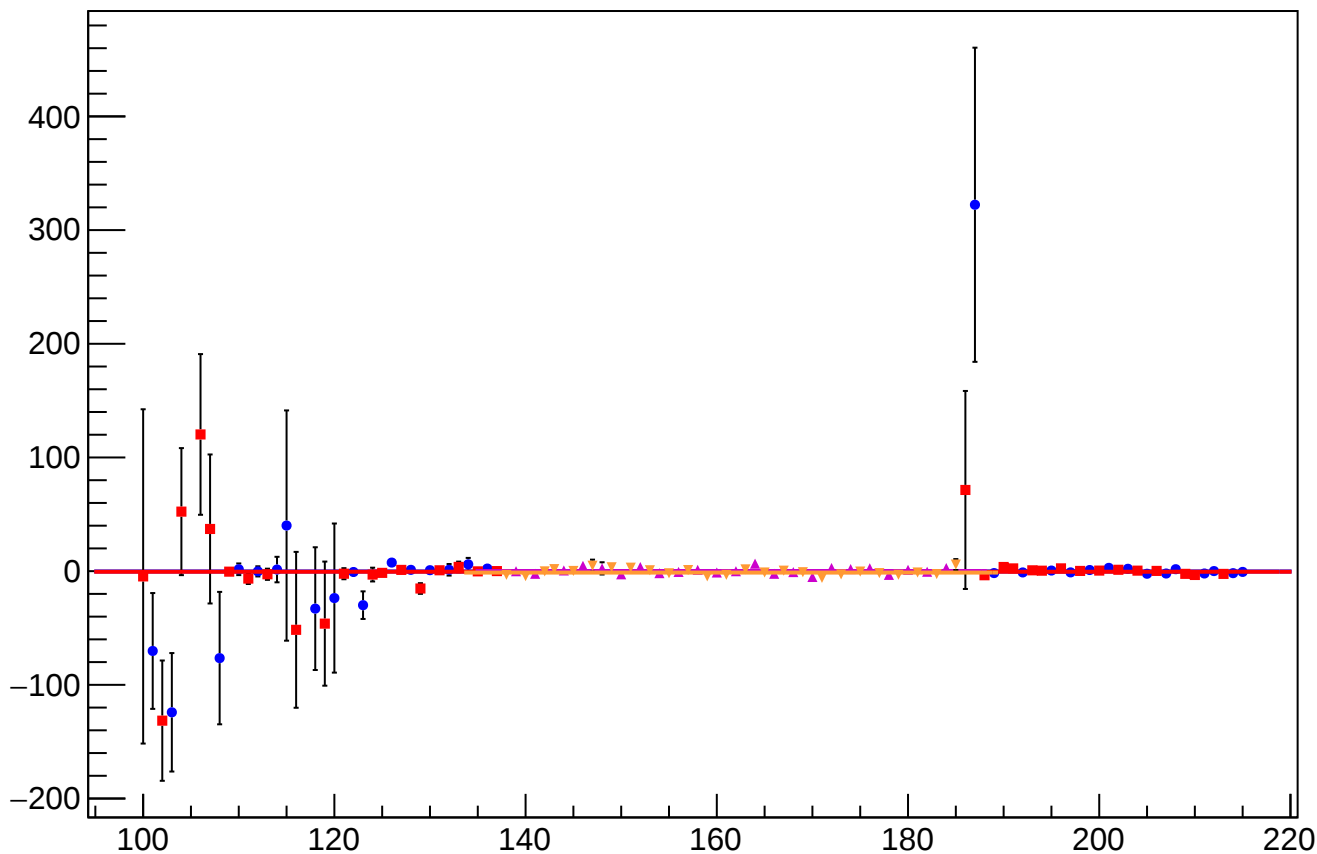
Left In: 1663.620 $\pm$ 0.284 χ^2 /NDF: 178858.2/22

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

All: 1828.602 $\pm$ 0.164 χ^2 /NDF: 14393188.1/100

- sign 1835.655 $\pm$ 0.236 χ^2 /NDF: 7460468.7/56

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: -0.517 ± 0.425 χ^2/NDF : 43.0/33

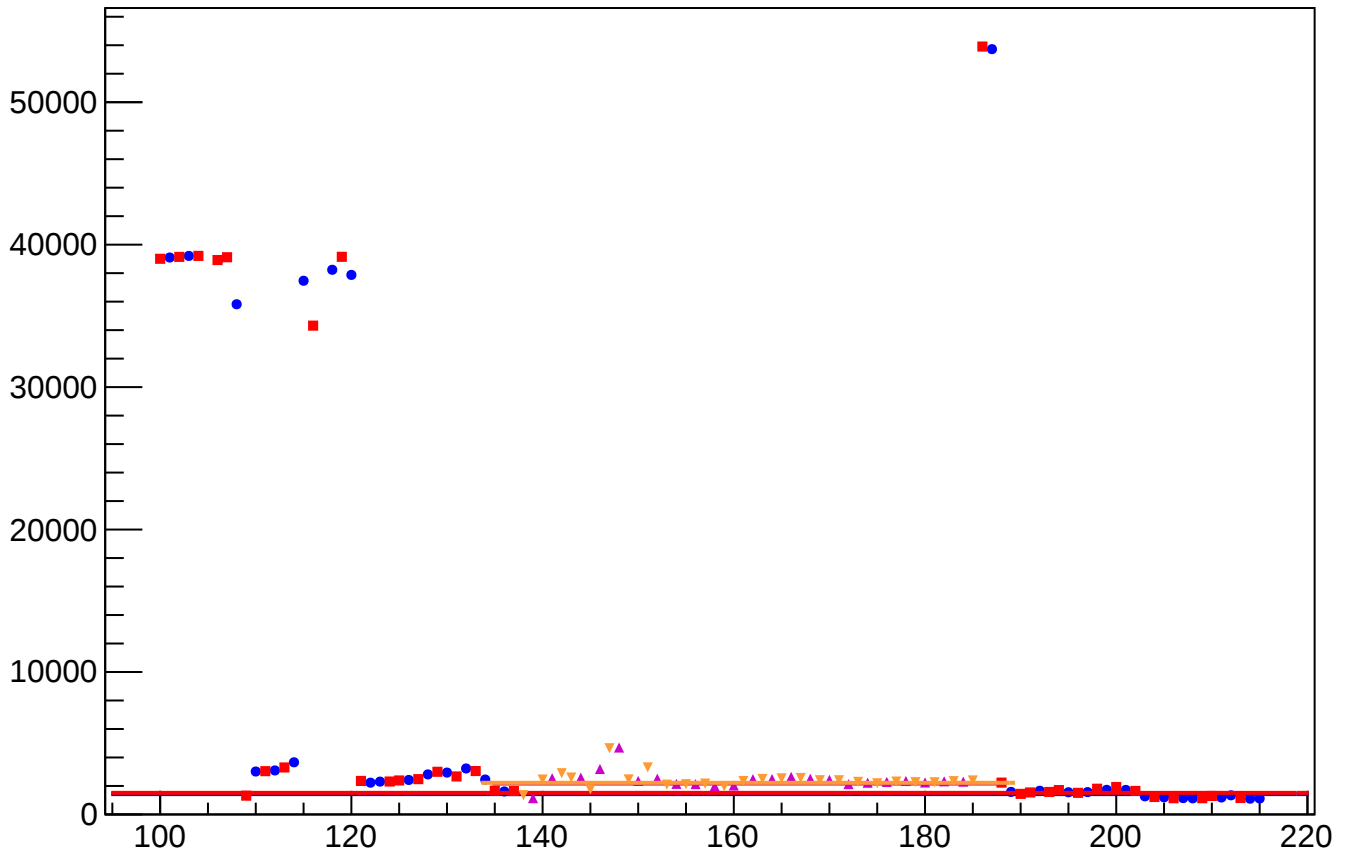
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

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

All: -0.451 ± 0.229 χ^2/NDF : 132.6/113

- sign -0.283 ± 0.334 χ^2/NDF : 63.0/56

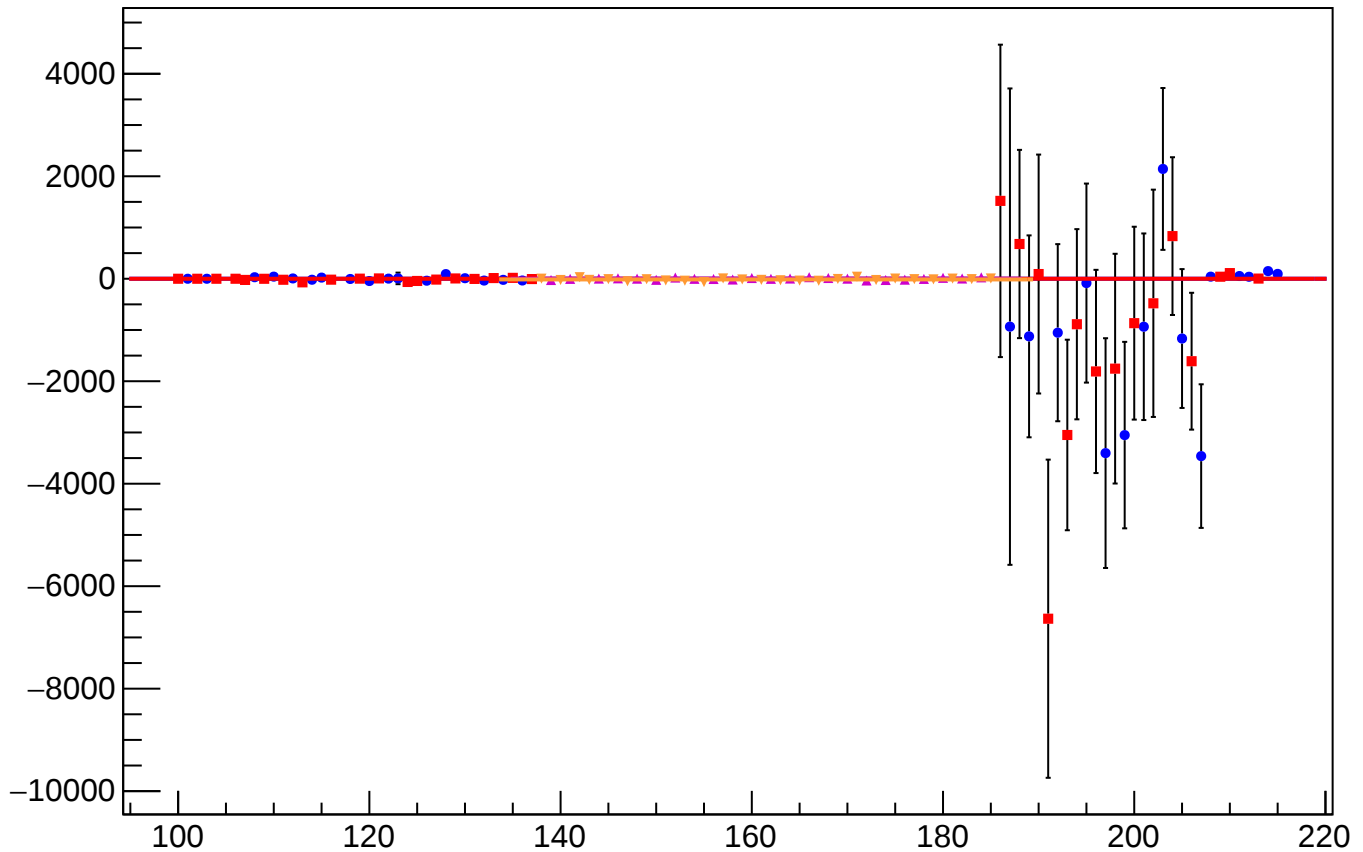
diff_bpm1p03aY_rms vs Slug



Right In: 1428.442 $\pm$ 0.274 χ^2 /NDF: 7282853.1/31
 Left Out: 2222.081 $\pm$ 0.378 χ^2 /NDF: 1422440.9/24
 Right Out: 1516.763 $\pm$ 0.300 χ^2 /NDF: 7638216.3/33
 Left In: 2169.443 $\pm$ 0.383 χ^2 /NDF: 1974869.8/22

+ sign 1701.875 $\pm$ 0.222 χ^2 /NDF: 11589689.0/56
 All: 1731.760 $\pm$ 0.162 χ^2 /NDF: 23041083.9/100
 - sign 1765.600 $\pm$ 0.236 χ^2 /NDF: 11412775.8/56

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 47.1/31

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

Right Out: 0.003+/-0.016 χ^2/NDF : 33.2/33

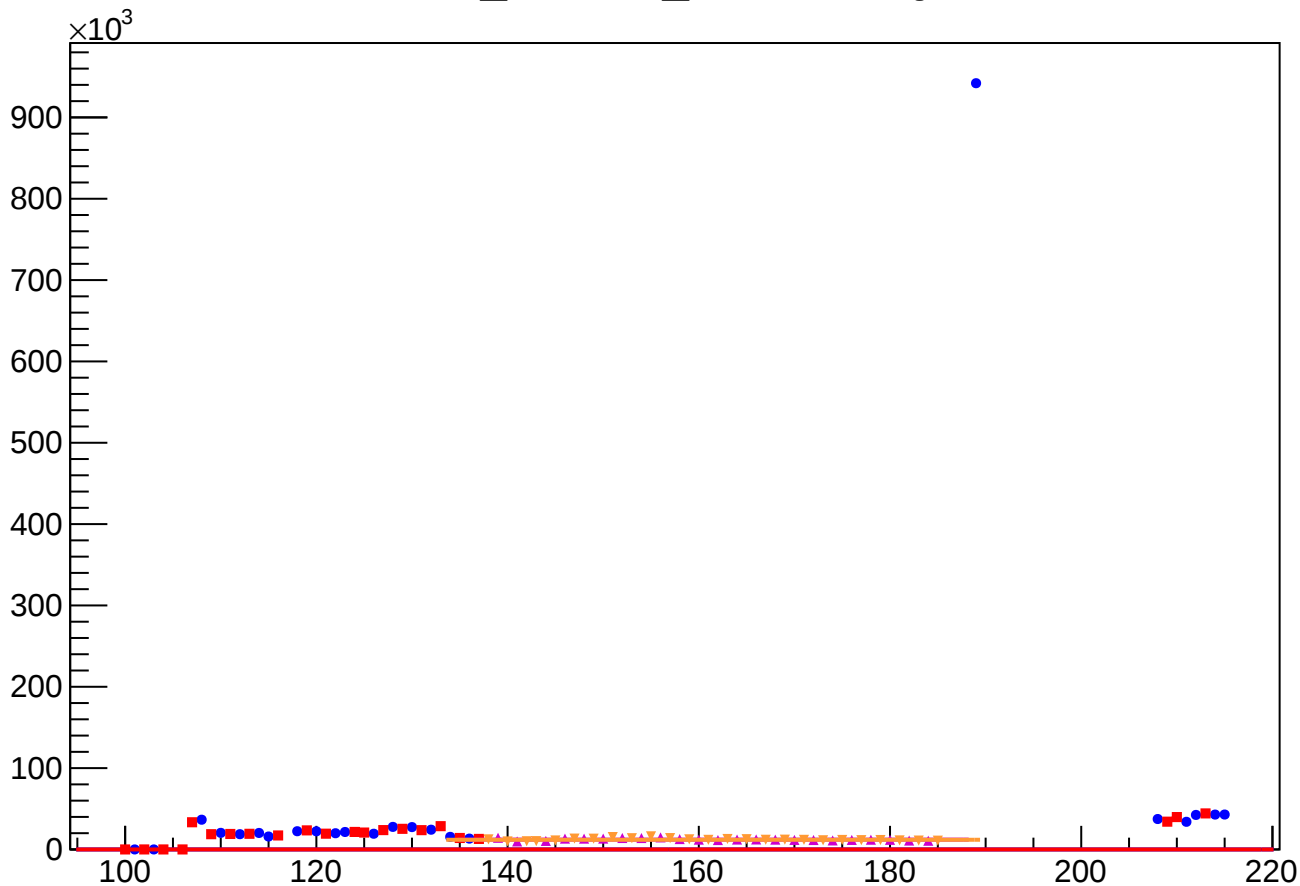
Left In: -0.459+/-2.917 χ^2/NDF : 29.0/22

+ sign 0.013+/-0.017 χ^2/NDF : 129.0/56

All: 0.008+/-0.012 χ^2/NDF : 191.4/113

- sign 0.003+/-0.016 χ^2/NDF : 62.2/56

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: 18.325 $\pm$ 0.011 χ^2 /NDF: 15377929.3/21

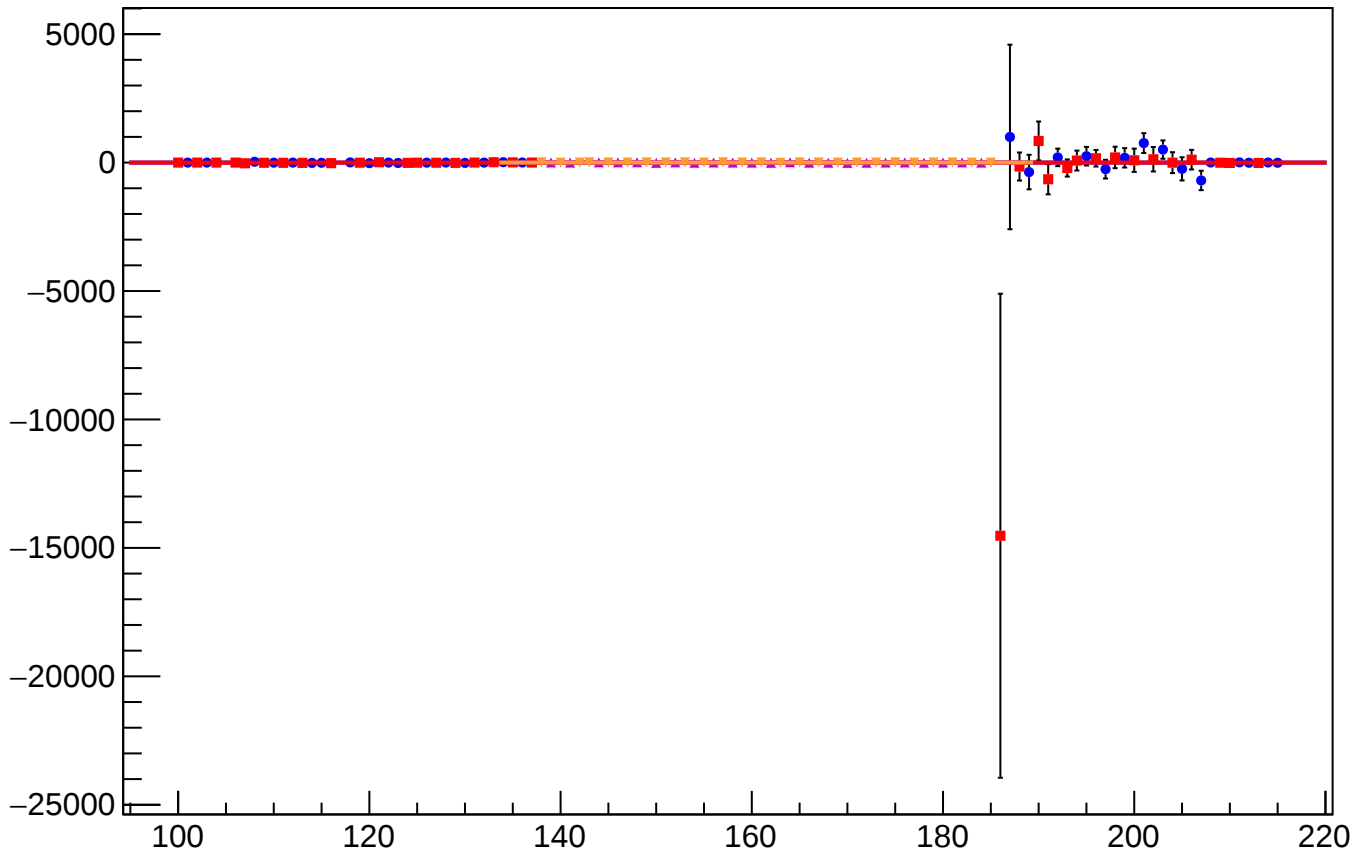
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

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

All: 18.891 $\pm$ 0.008 χ^2 /NDF: 104561160.0/92

- sign 18.691 $\pm$ 0.011 χ^2 /NDF: 49862205.8/44

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: 33.2/33

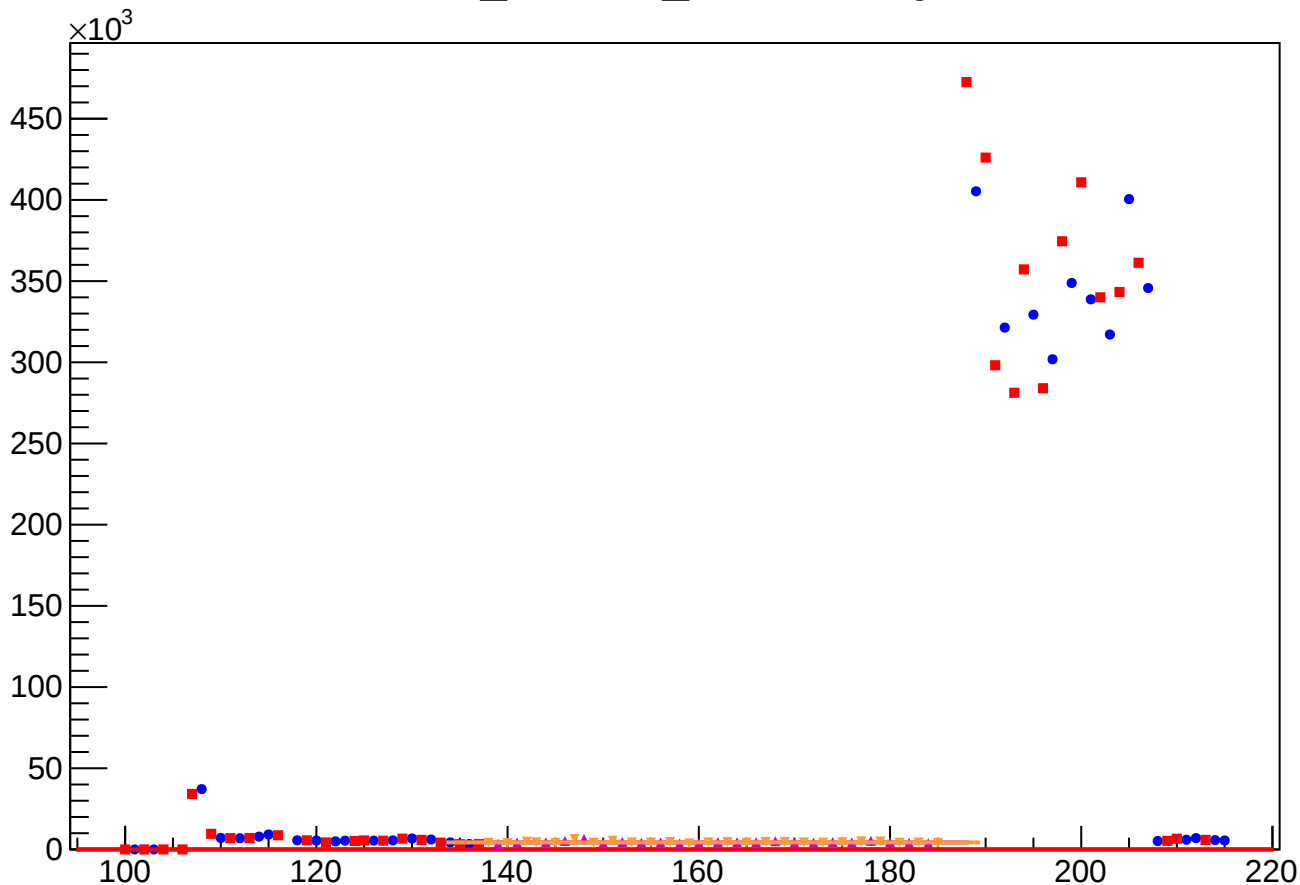
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

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

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 119.2/113

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 69.6/56

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: 9.883 ± 0.006 χ^2/NDF : 30164910.9/32

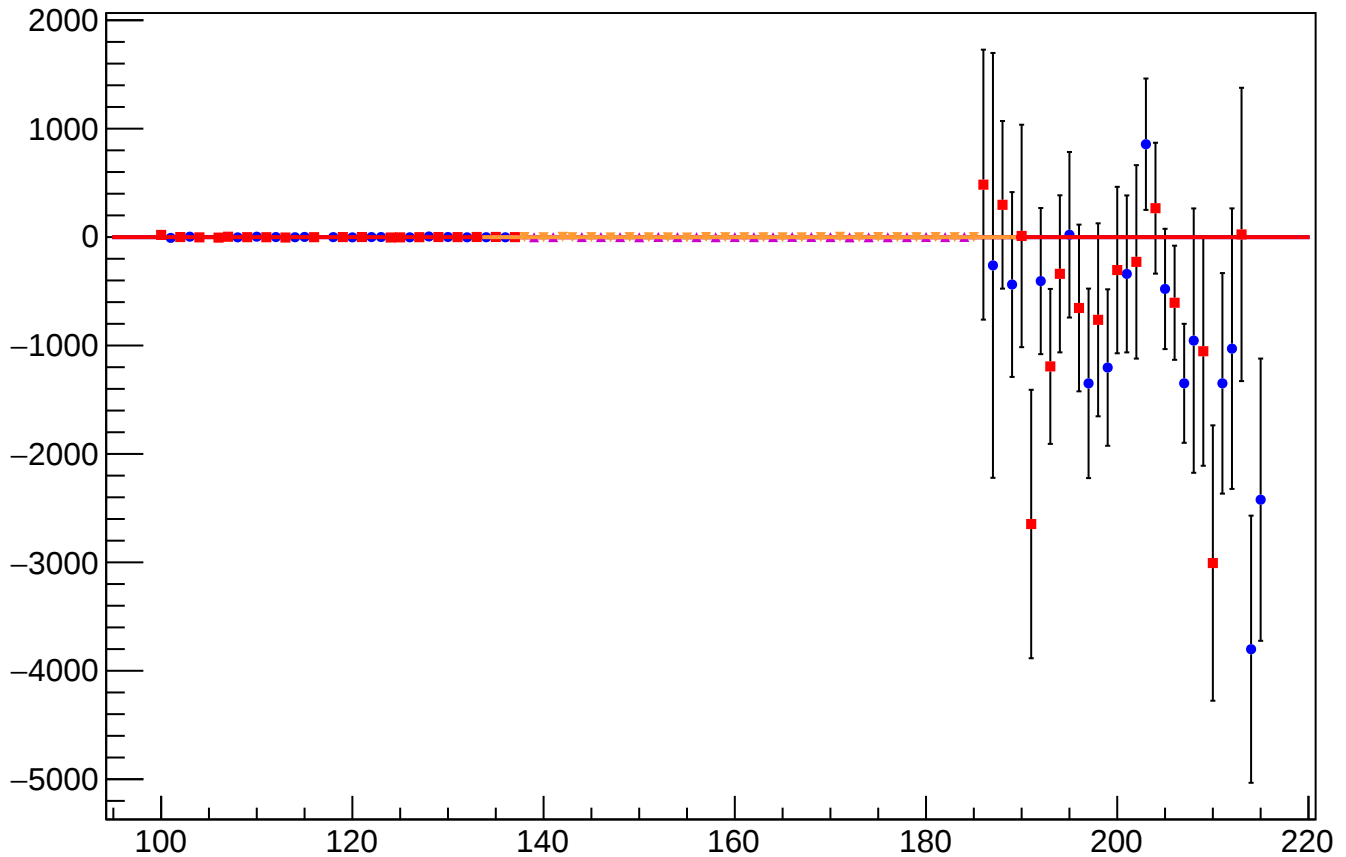
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

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

All: 10.254 ± 0.004 χ^2/NDF : 132537615.5/132

- sign 10.176 ± 0.006 χ^2/NDF : 64497839.4/55

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 : 30.7/33

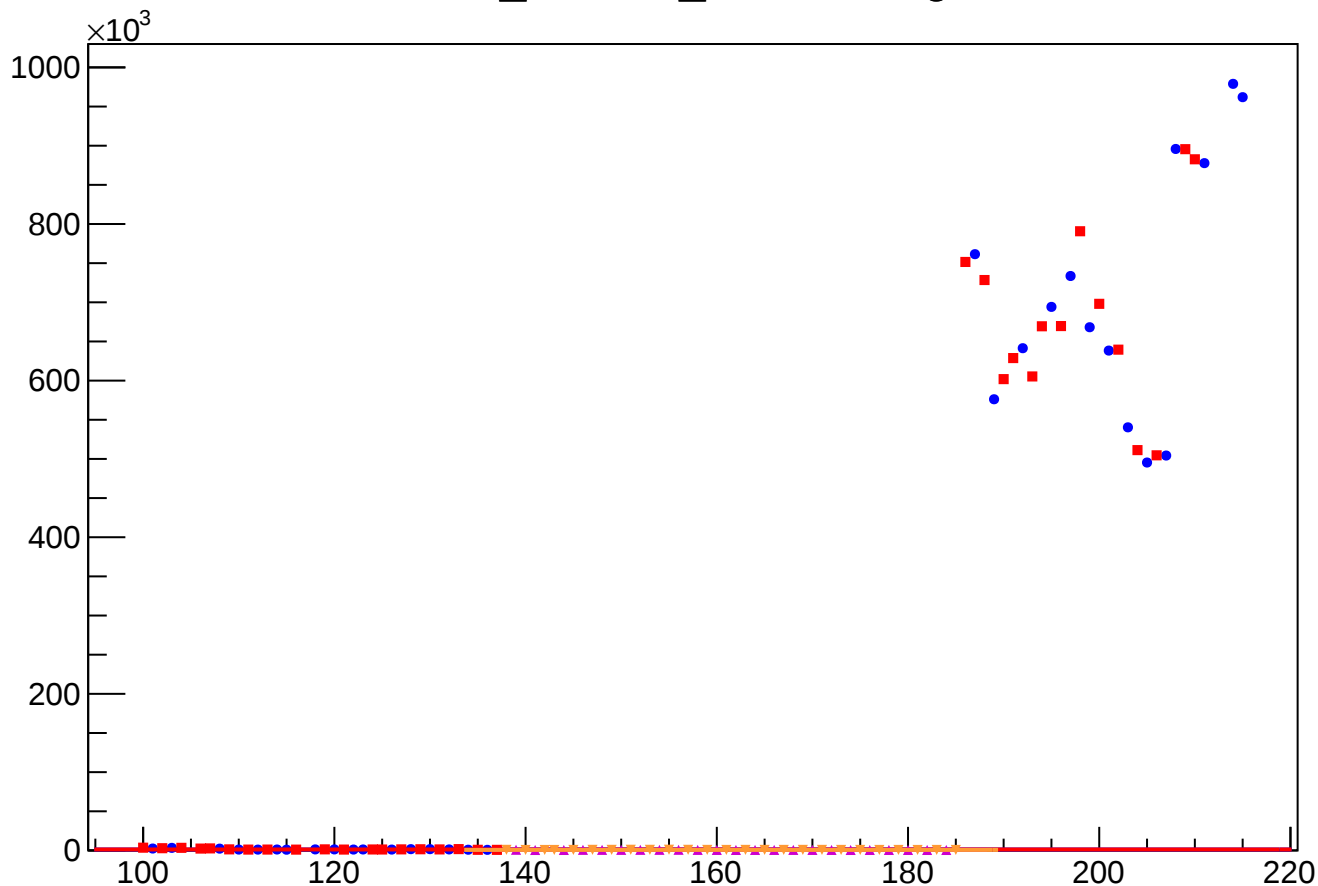
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

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

All: -0.439 ± 0.112 χ^2/NDF : 182.9/113

- sign -0.083 ± 0.162 χ^2/NDF : 61.5/56

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: 1251.257 $\pm$ 0.355 χ^2 /NDF: 18985888.9/32

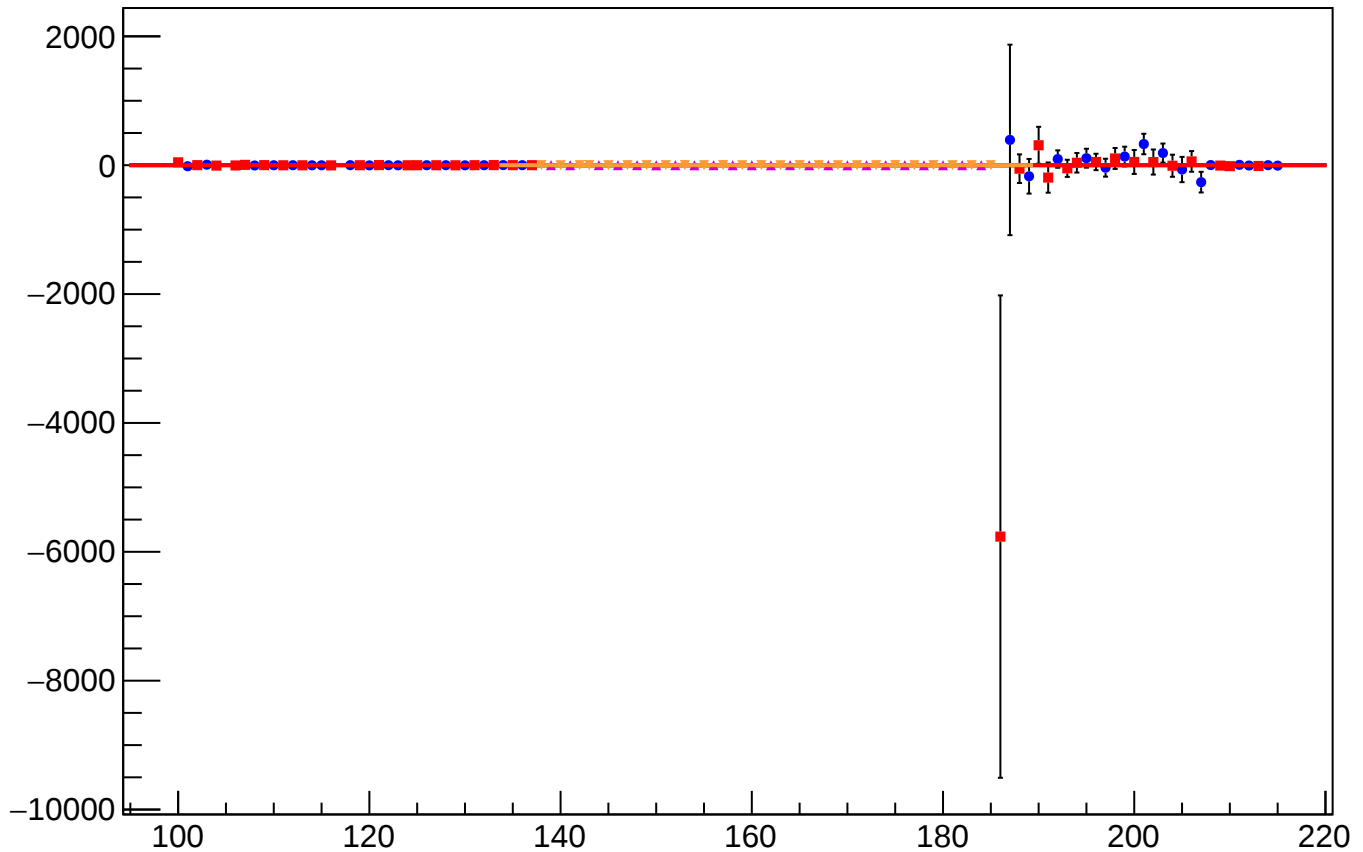
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF:332011.4/22

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

All: 756.401 $\pm$ 0.079 χ^2 /NDF: 42082080.1/11

- sign 763.535 $\pm$ 0.114 χ^2 /NDF: 21429095.7/55

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: 0.214 ± 0.264 χ^2/NDF : 37.1/33

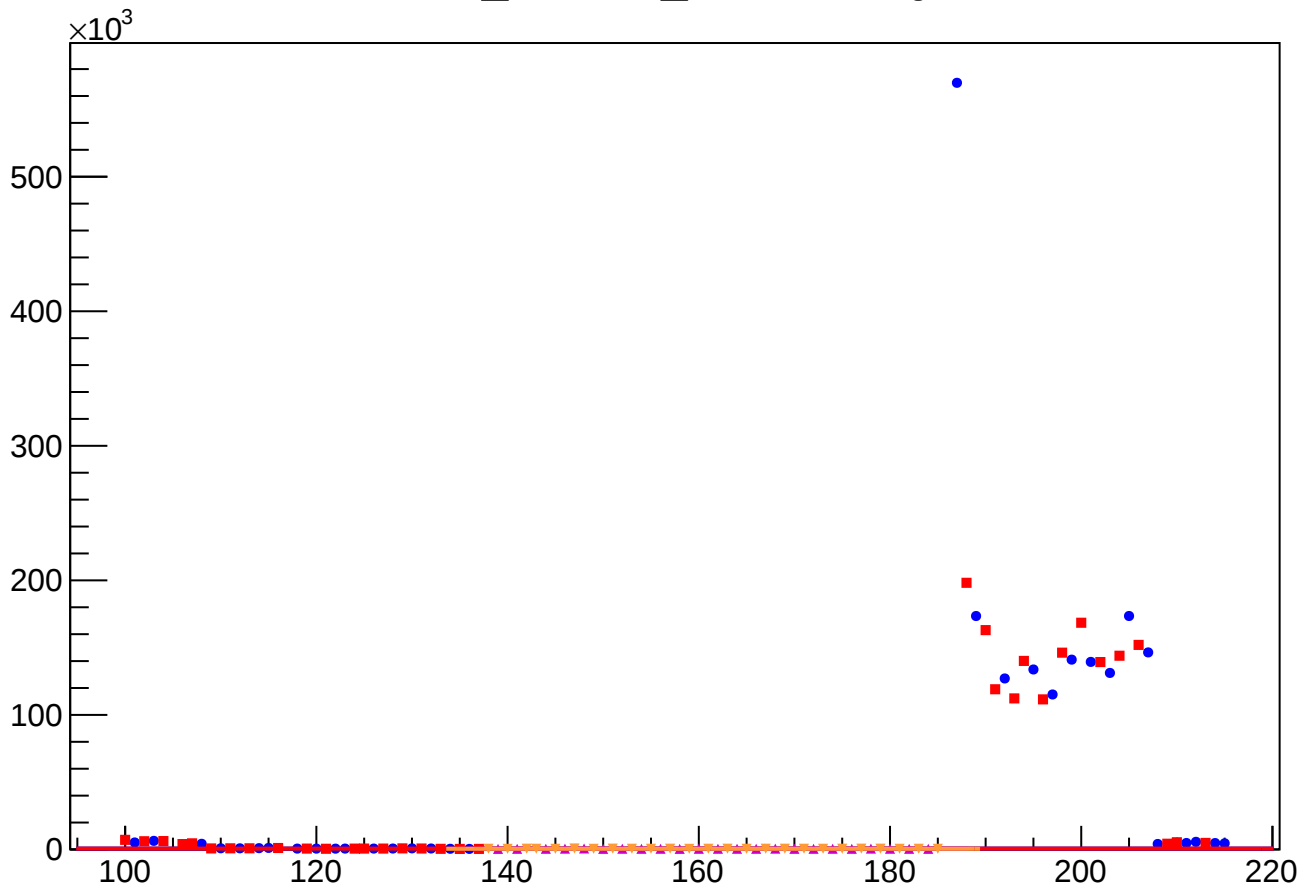
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

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

All: 0.162 ± 0.080 χ^2/NDF : 124.6/113

- sign 0.142 ± 0.114 χ^2/NDF : 72.1/56

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: 629.609 ± 0.186 χ^2/NDF : 21588201.2/32

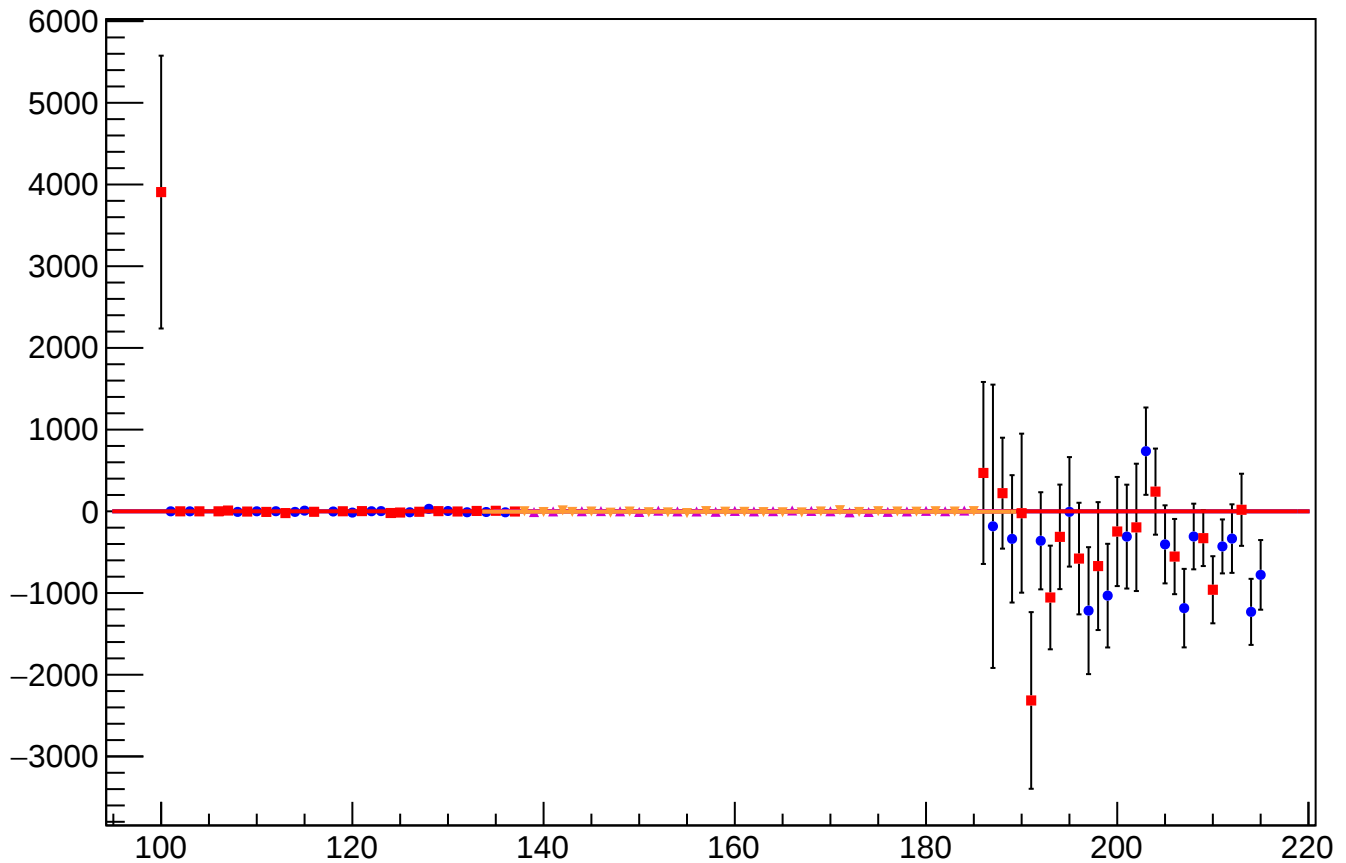
Left In: 520.700 ± 0.089 χ^2/NDF : 427720.5/22

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

All: 543.512 ± 0.056 χ^2/NDF : 45316566.7/1

- sign 541.000 ± 0.080 χ^2/NDF : 22293801.8/55

diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 46.1/31

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

Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 35.0/33

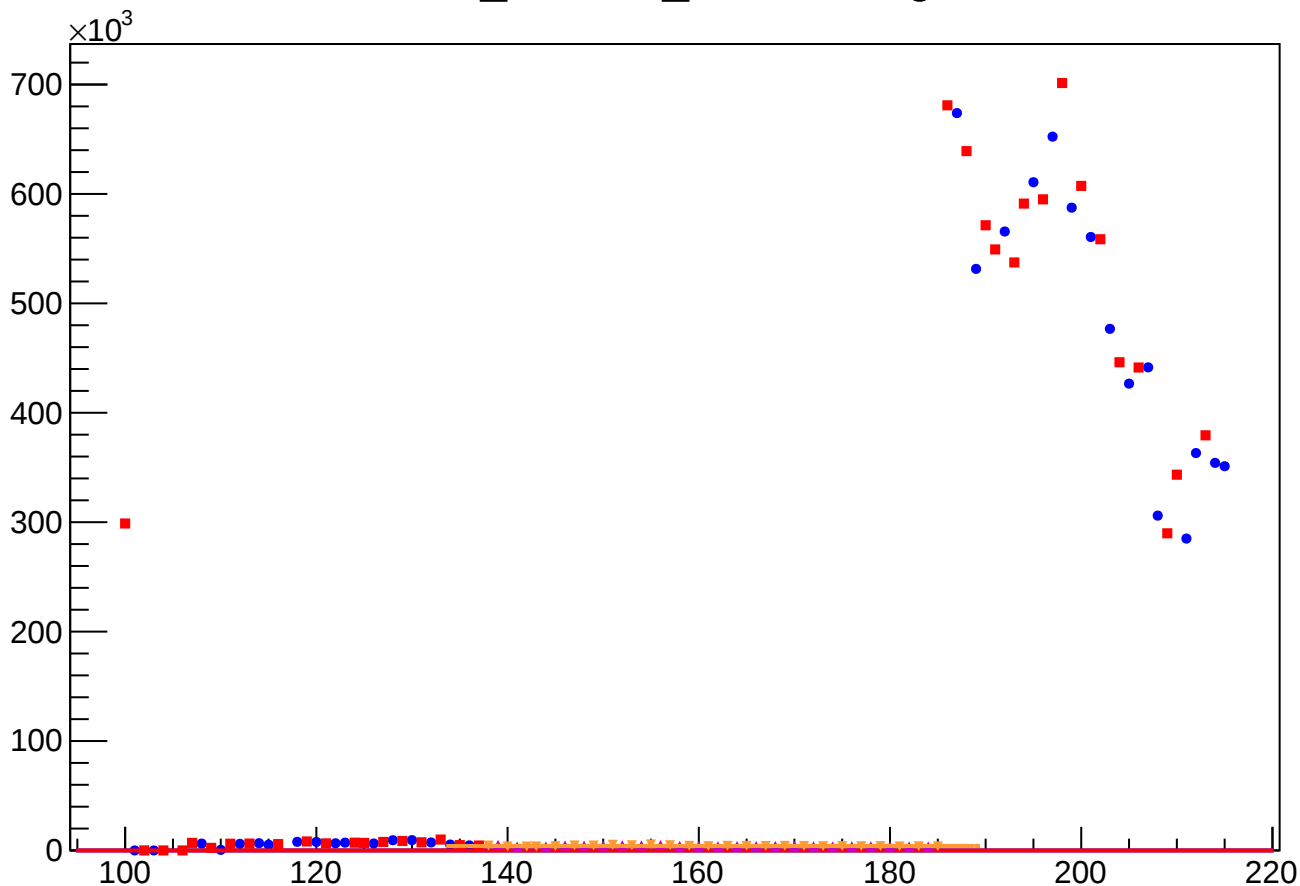
Left In: -0.183 $\pm$ 0.994 χ^2 /NDF: 29.5/22

+ sign -0.024 $\pm$ 0.021 χ^2 /NDF: 126.2/56

All: -0.025 $\pm$ 0.014 χ^2 /NDF: 190.7/113

- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 64.5/56

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: 31008993.5/33

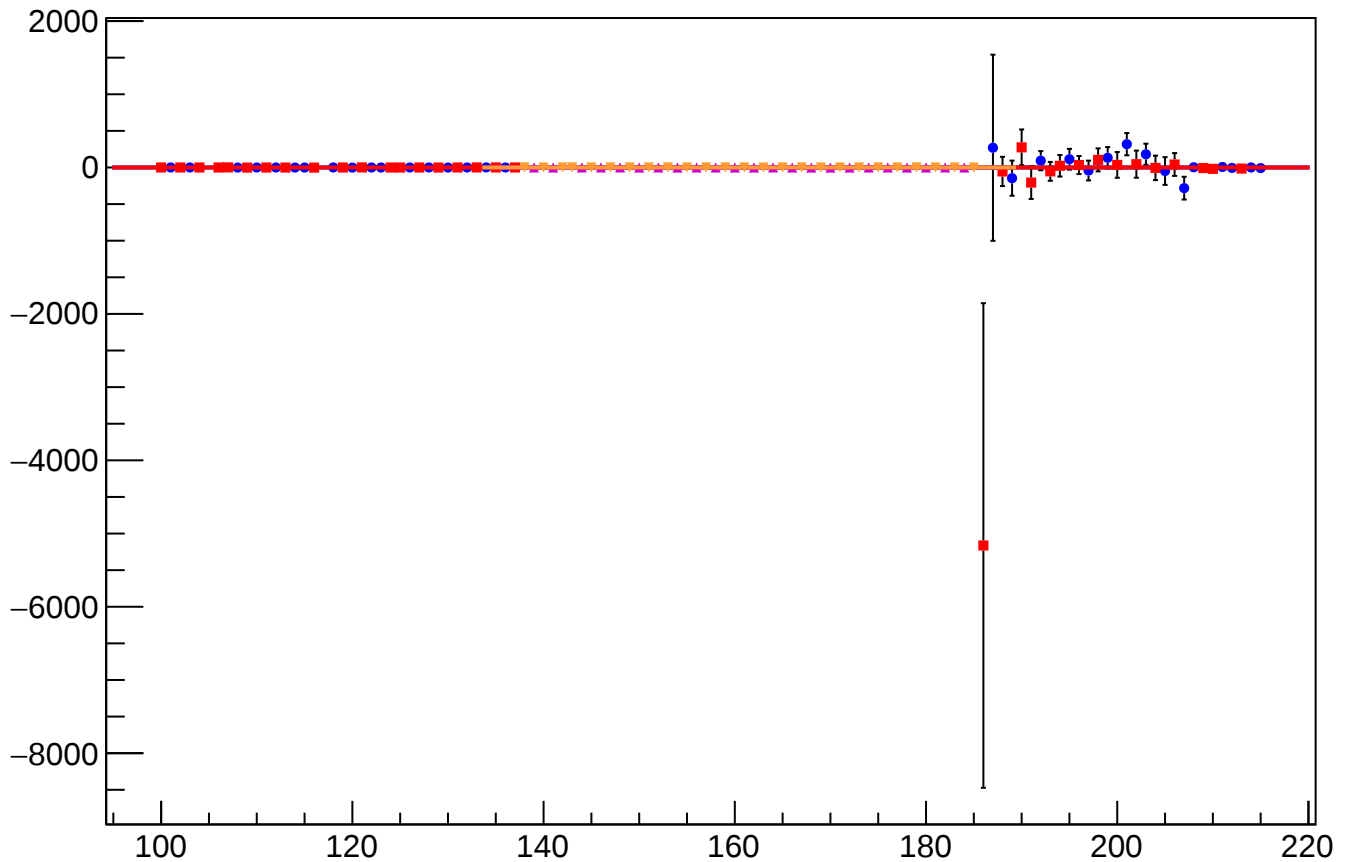
Left In: 4113.993+/-0.703 χ^2 /NDF:349160.6/22

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

All: 19.071+/-0.010 χ^2 /NDF: 133421480.7/11

- sign 18.896+/-0.014 χ^2 /NDF: 65314003.9/56

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: 35.7/33

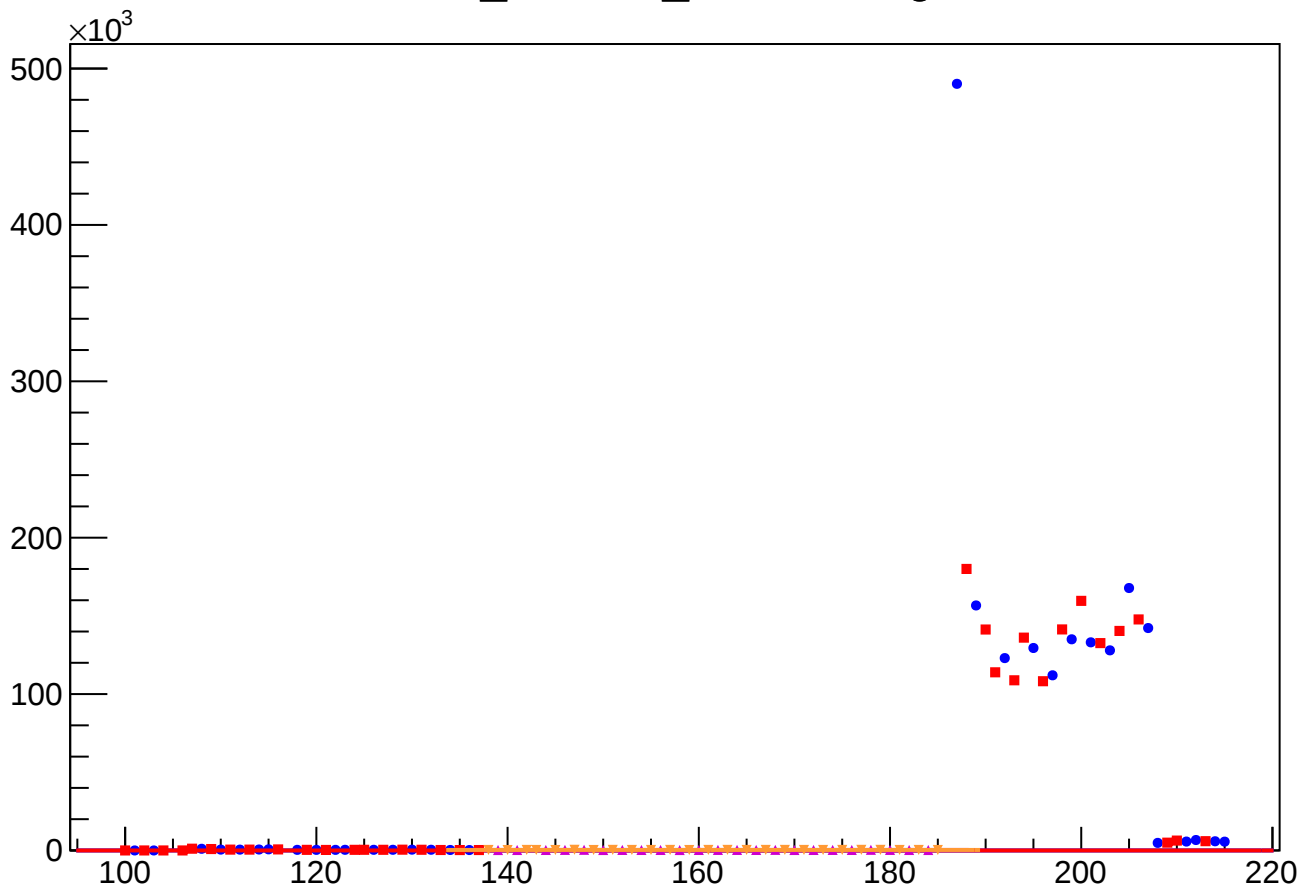
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF:34.6/22

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

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 121.1/113

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 71.4/56

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: 29949251.2/32

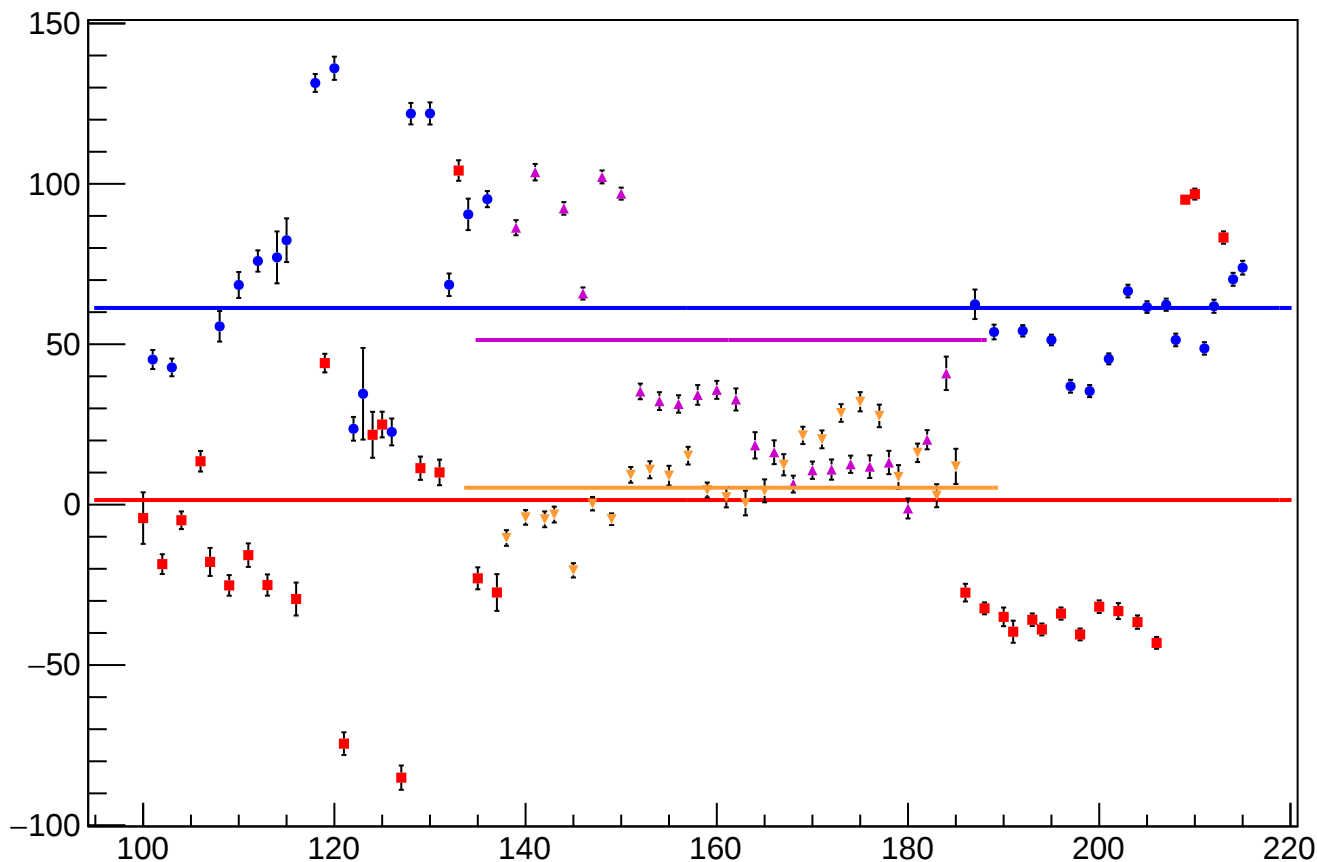
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF:413350.0/22

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

All: 1.927 $\pm$ 0.001 χ^2 /NDF: 132316010.6/112

- sign 1.925 $\pm$ 0.001 χ^2 /NDF: 64086845.6/55

diff_bpm0i01X_mean vs Slug



Right In: 61.312 ± 0.442 $\chi^2/\text{NDF}: 2836.4/31$

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

Right Out: 1.437 ± 0.435 $\chi^2/\text{NDF}: 16407.2/33$

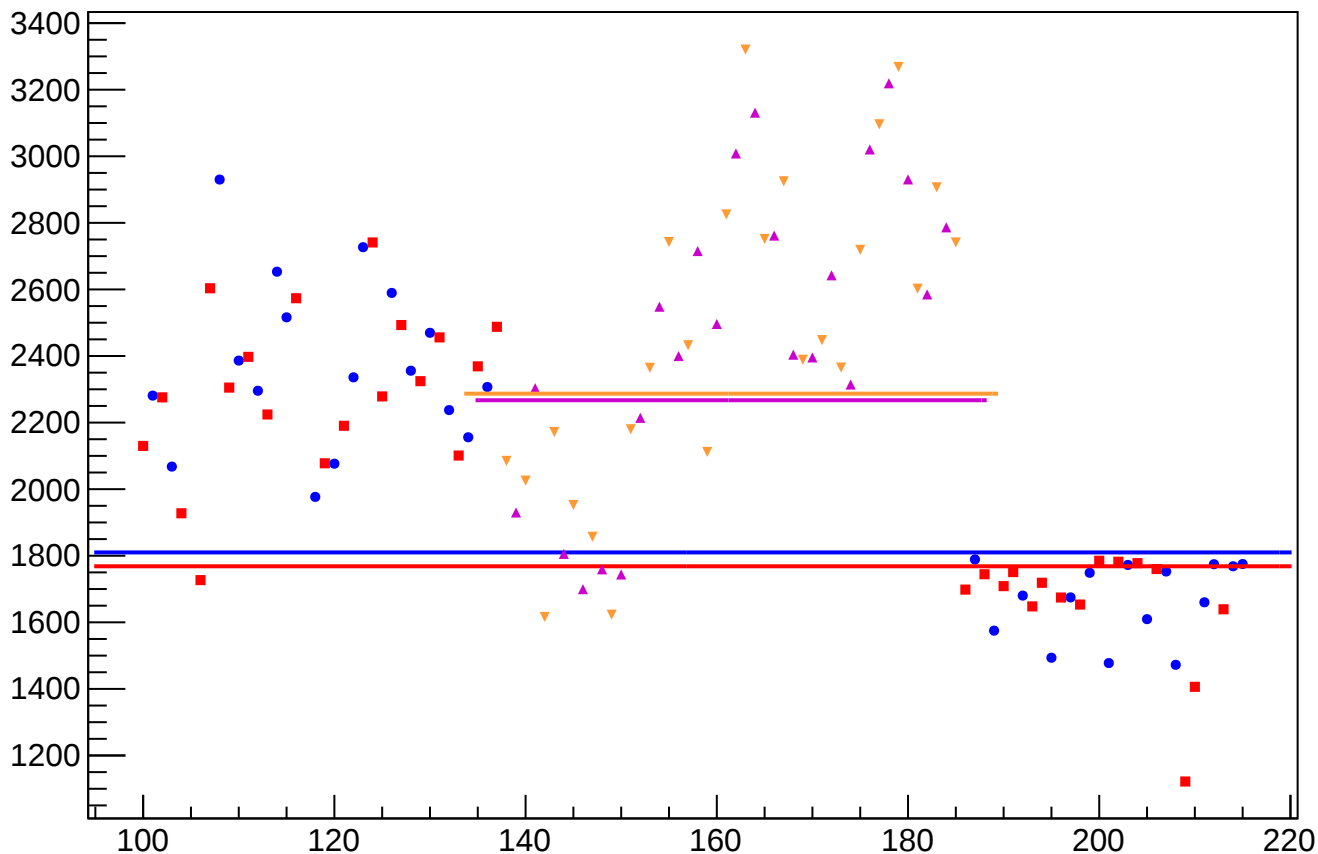
Left In: 51.328 ± 0.558 $\chi^2/\text{NDF}: 4257.8/22$

+ sign 39.033 ± 0.343 $\chi^2/\text{NDF}: 9780.6/56$

All: 29.657 ± 0.243 $\chi^2/\text{NDF}: 36907.7/113$

- sign 20.280 ± 0.343 $\chi^2/\text{NDF}: 25633.6/56$

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: 1768.332 $\pm$ 0.308 χ^2 /NDF: 1357214.2/33

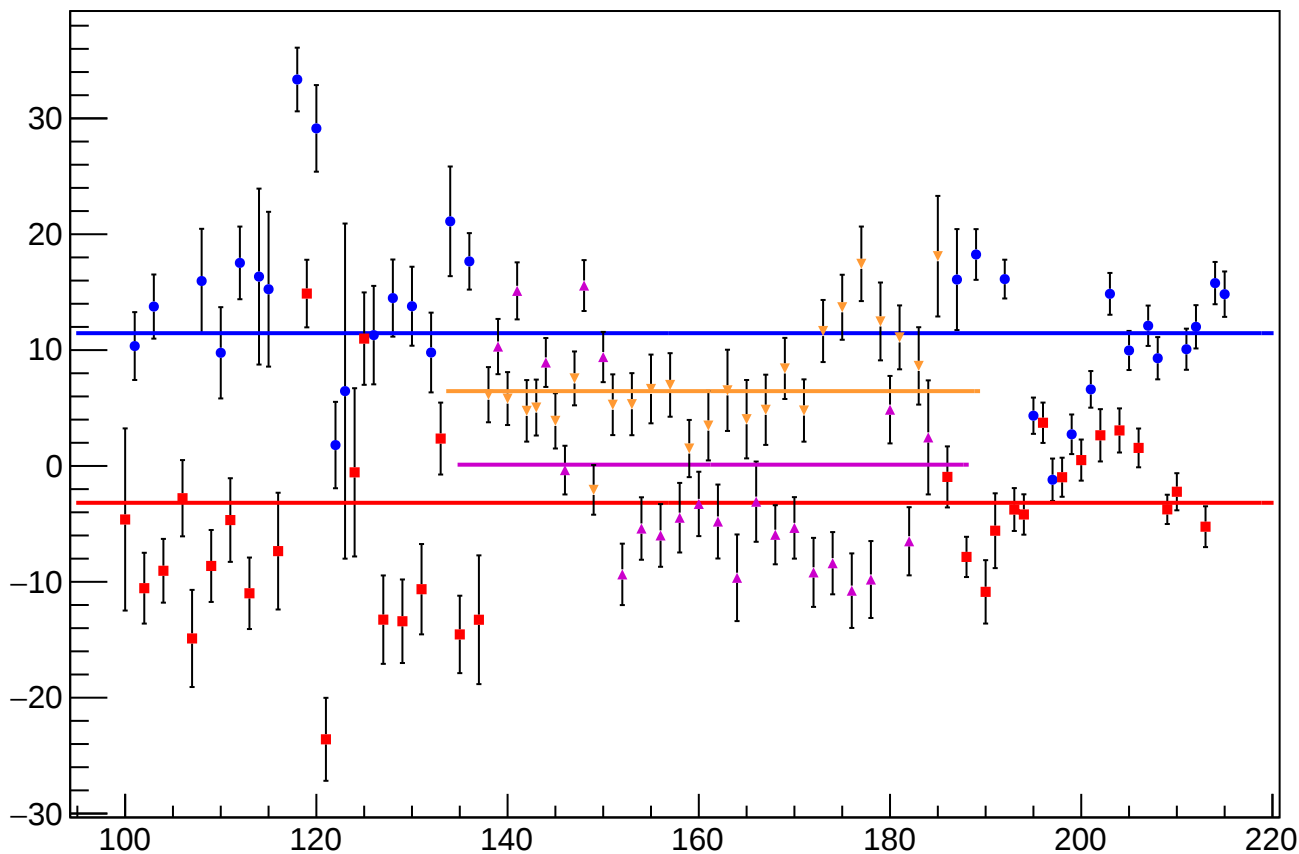
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

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

All: 1978.140 $\pm$ 0.172 χ^2 /NDF: 6939688.9/11

- sign 1956.702 $\pm$ 0.243 χ^2 /NDF: 3663746.9/56

diff_bpm0i01Y_mean vs Slug



Right In: 11.461 ± 0.414 χ^2/NDF : 249.0/31

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

Right Out: -3.179 ± 0.410 χ^2/NDF : 214.9/33

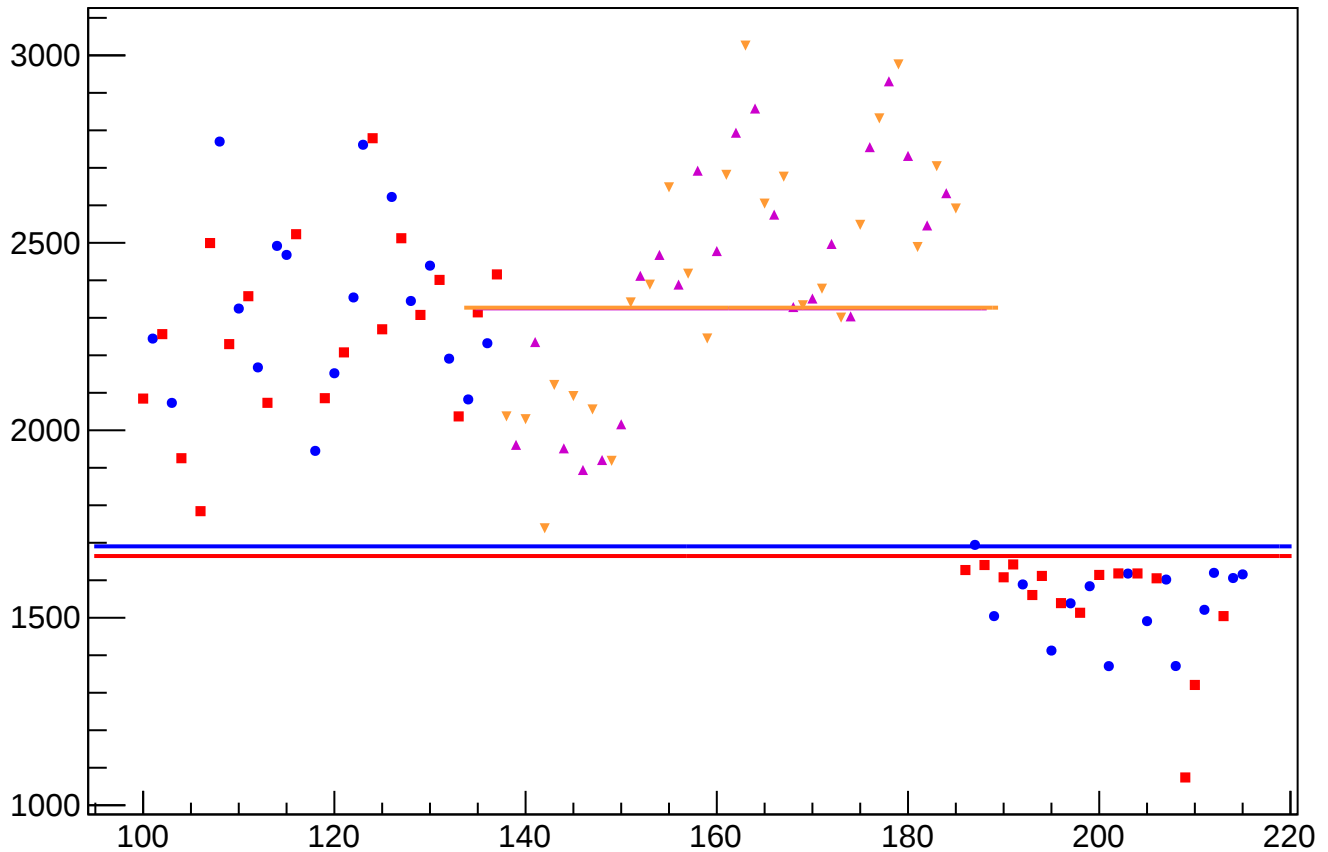
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 9.641 ± 0.330 χ^2/NDF : 360.8/56

All: 3.831 ± 0.234 χ^2/NDF : 1454.9/113

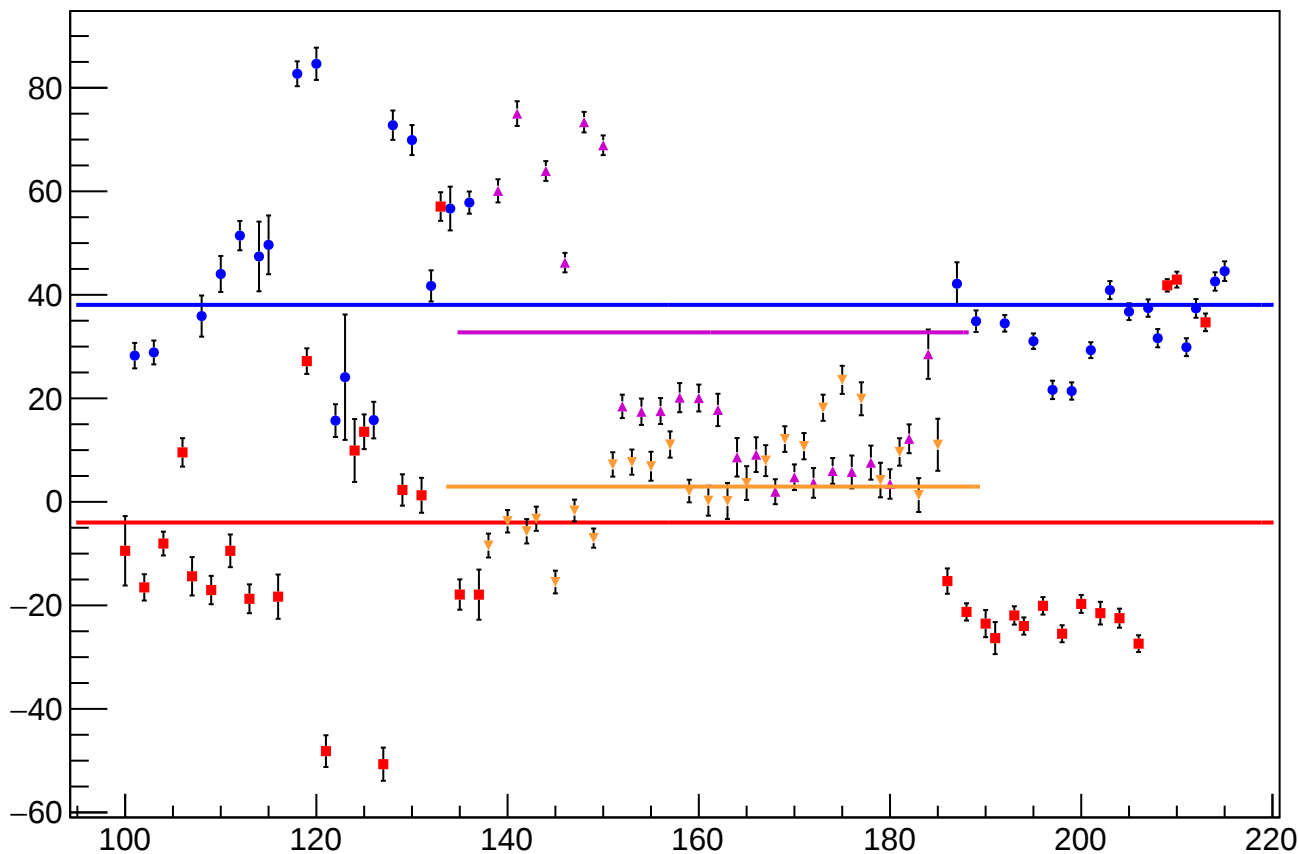
- sign -2.043 ± 0.332 χ^2/NDF : 471.6/56

diff_bpm0i01Y_rms vs Slug



Right In: 1690.457+/-0.293	χ^2/NDF : 1233142.9/31	+ sign 1922.046+/-0.234	χ^2/NDF : 3599650.4/56
Left Out: 2327.044+/-0.387	χ^2/NDF : 646706.7/24	All: 1907.453+/-0.166	χ^2/NDF : 7564267.1/11
Right Out: 1664.642+/-0.290	χ^2/NDF : 1557281.2/33	- sign 1892.699+/-0.235	χ^2/NDF : 3956764.1/56
Left In: 2325.175+/-0.400	χ^2/NDF : 610729.2/22		

diff_bpm0i01aX_mean vs Slug



Right In: 38.058 $\pm$ 0.389 χ^2 /NDF: 1405.1/31

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

Right Out: -3.992 $\pm$ 0.383 χ^2 /NDF: 5376.2/33

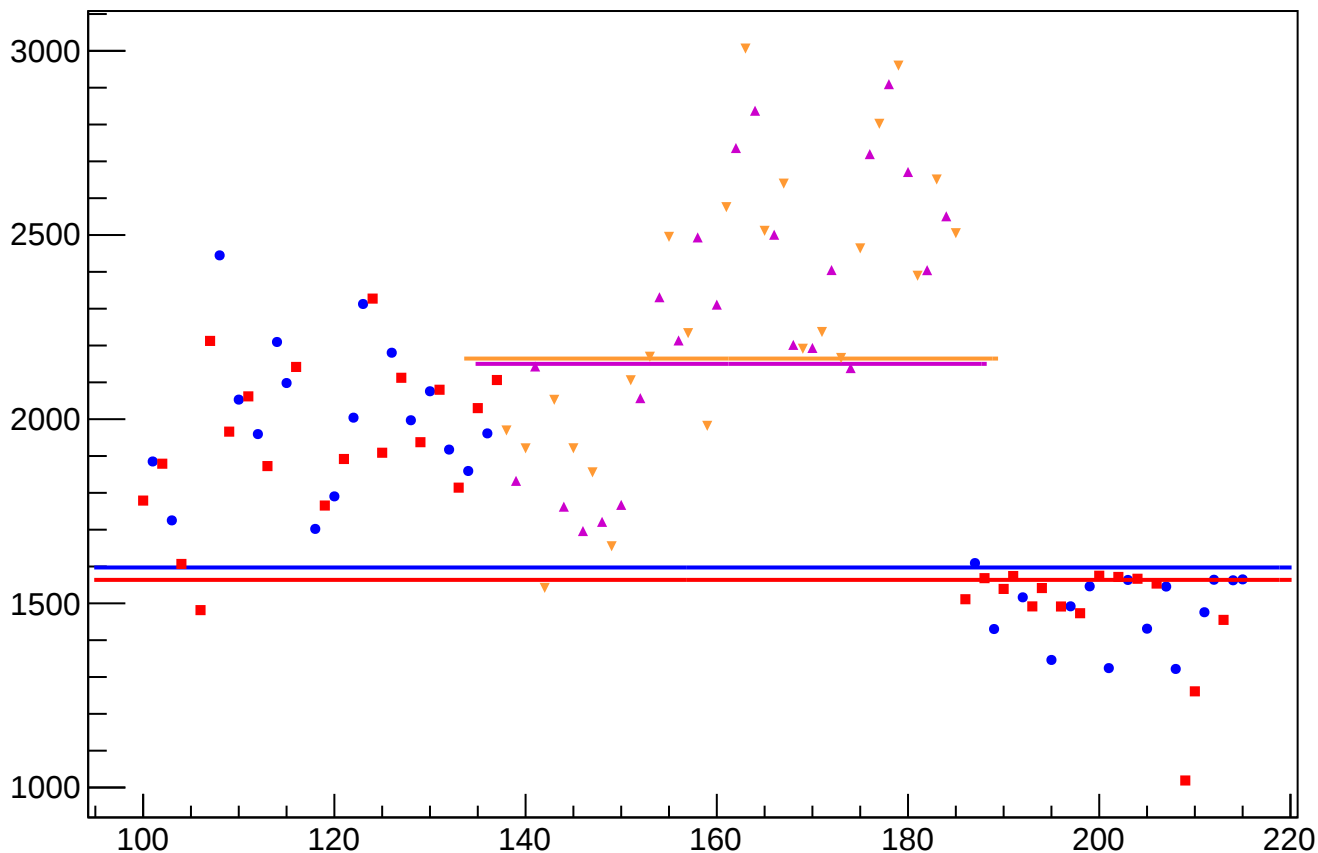
Left In: 32.745 $\pm$ 0.526 χ^2 /NDF:2632.5/22

+ sign 25.227 $\pm$ 0.309 χ^2 /NDF: 4726.8/56

All: 16.980 $\pm$ 0.219 χ^2 /NDF: 17343.4/113

- sign 8.728 $\pm$ 0.310 χ^2 /NDF: 11196.2/56

diff_bpm0i01aX_rms vs Slug



Right In: 1597.390 $\pm$ 0.275 χ^2 /NDF: 743551.3/31

Left Out: 2164.573 $\pm$ 0.362 χ^2 /NDF:965603.5/24

Right Out: 1563.701 $\pm$ 0.271 χ^2 /NDF: 1080834.6/33

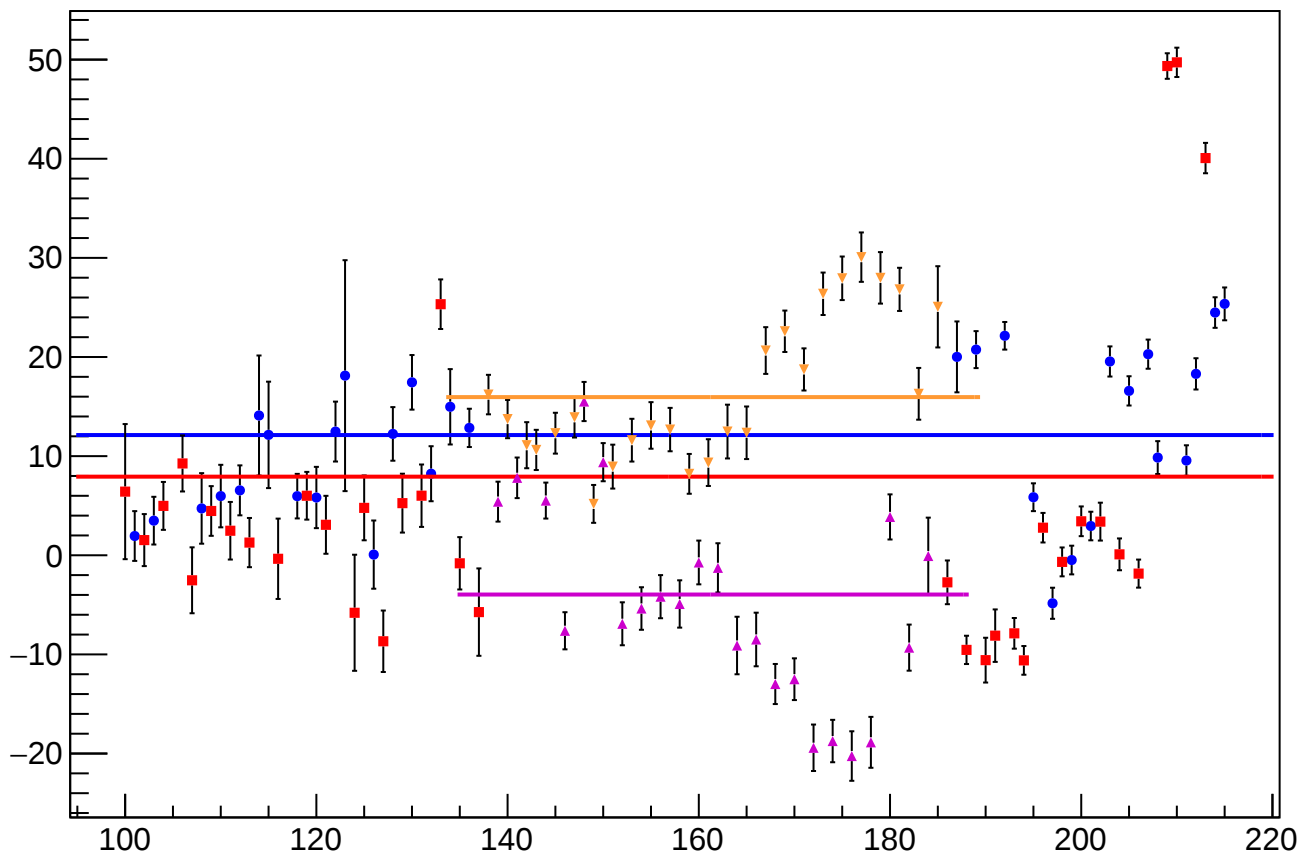
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF:911849.7/22

+ sign 1804.698 $\pm$ 0.219 χ^2 /NDF: 3266883.3/56

All: 1785.738 $\pm$ 0.155 χ^2 /NDF: 6899370.0/11

- sign 1766.767 $\pm$ 0.219 χ^2 /NDF: 3617470.3/56

diff_bpm0i01aY_mean vs Slug



Right In: 12.127 ± 0.352 χ^2/NDF : 616.3/31

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

Right Out: 7.930 ± 0.352 χ^2/NDF : 3091.7/33

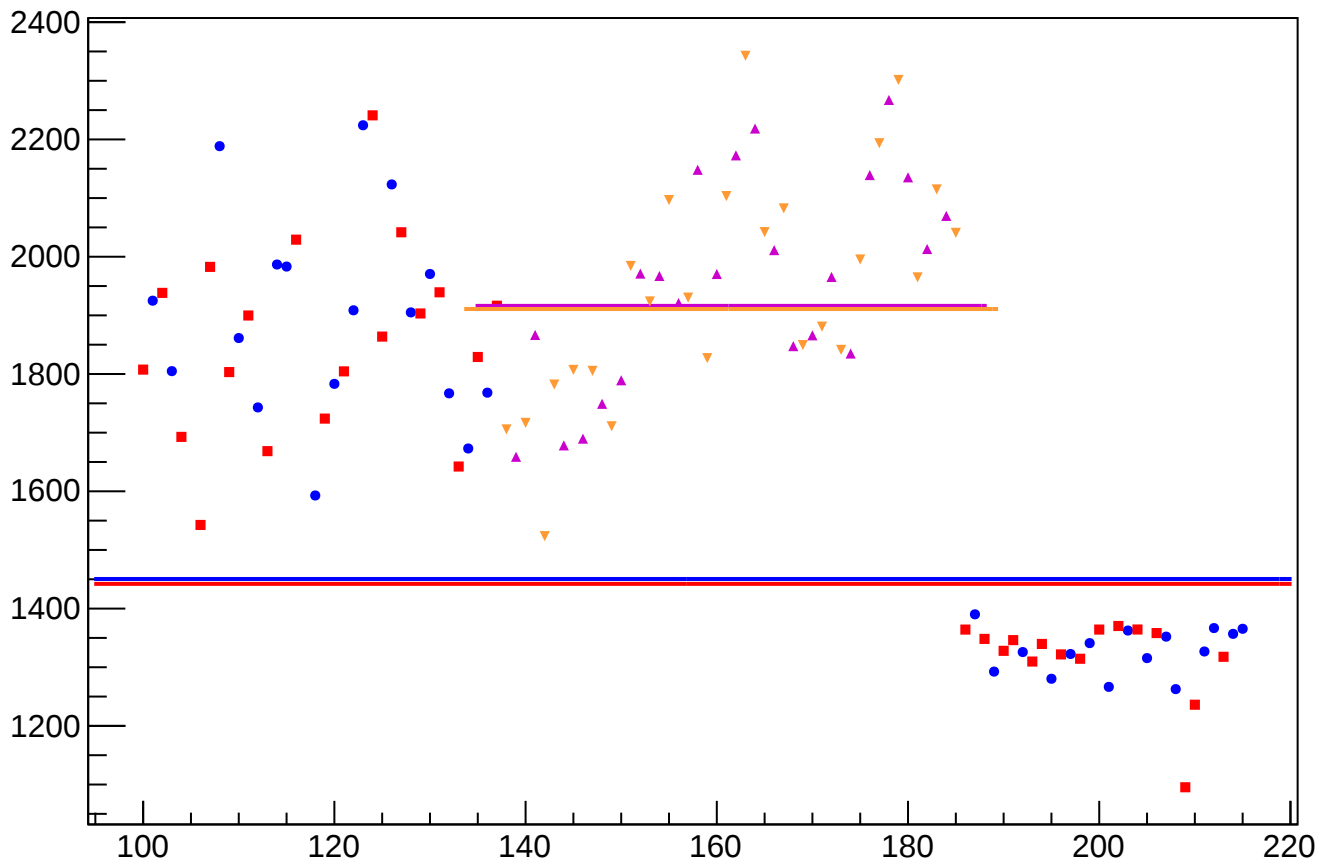
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 13.593 ± 0.277 χ^2/NDF : 906.7/56

All: 8.643 ± 0.197 χ^2/NDF : 5528.7/113

- sign 3.577 ± 0.280 χ^2/NDF : 3975.0/56

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: 1442.173 $\pm$ 0.249 χ^2 /NDF: 973059.8/33

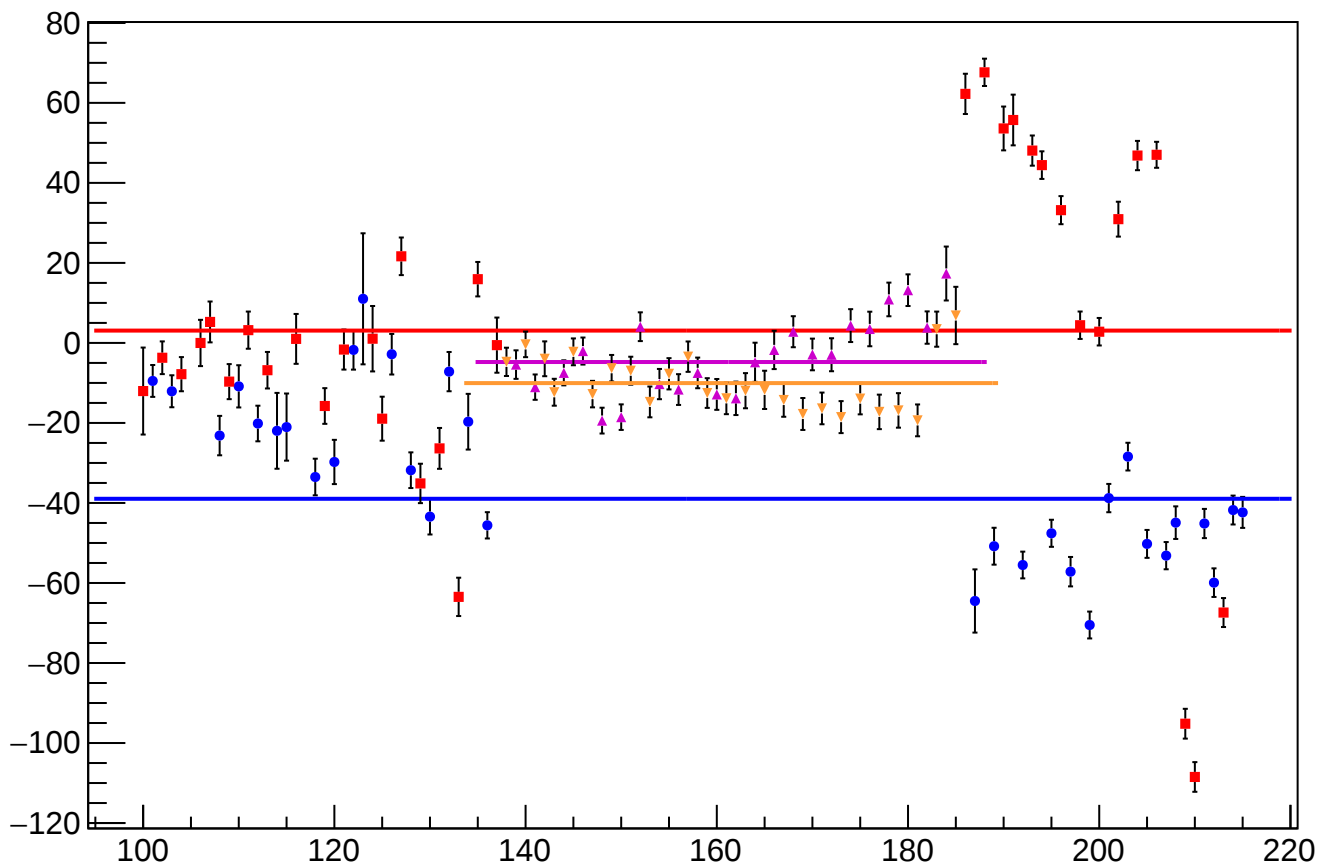
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

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

All: 1621.297 $\pm$ 0.139 χ^2 /NDF: 5095645.6/11

- sign 1615.711 $\pm$ 0.198 χ^2 /NDF: 2576961.4/56

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: 3.083 ± 0.750 χ^2/NDF : 3726.8/33

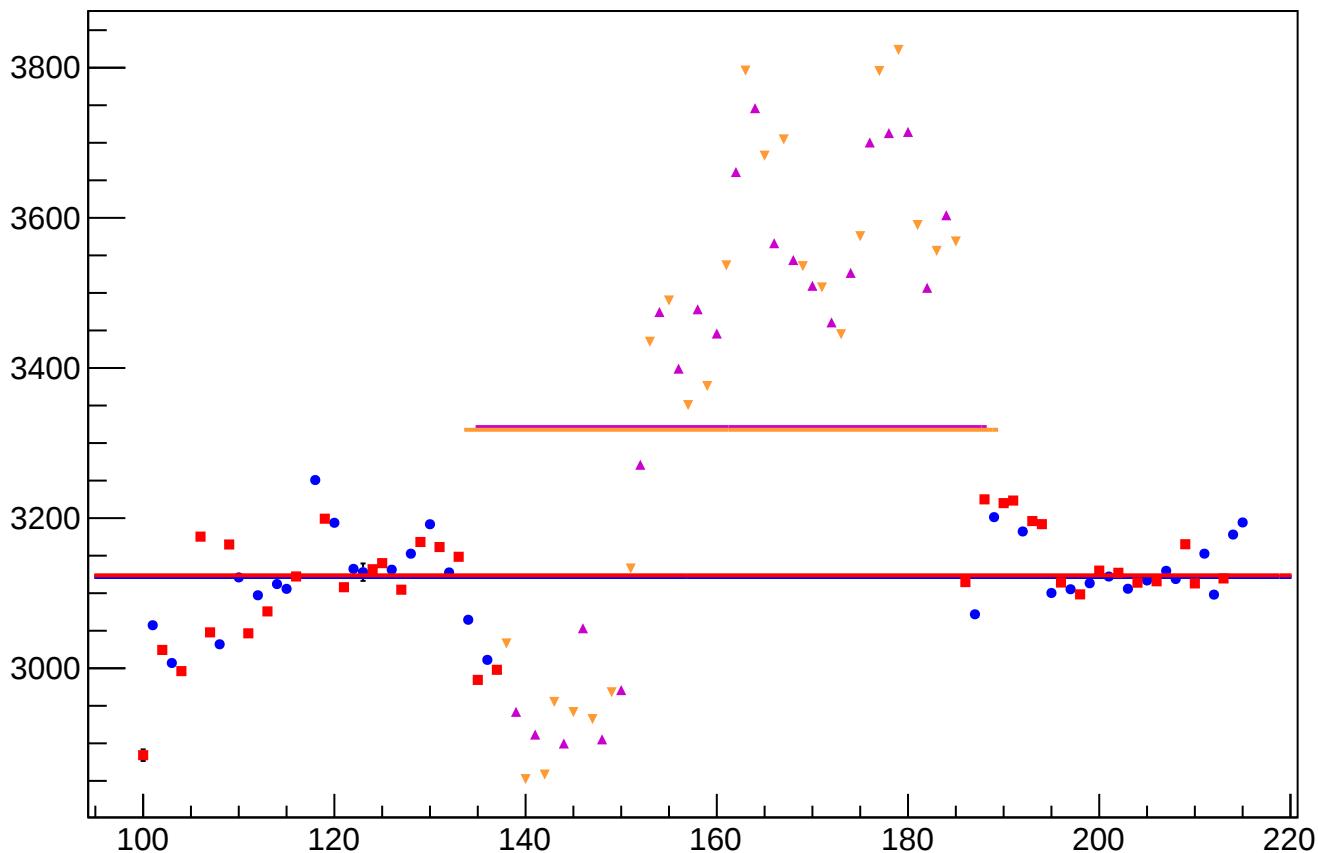
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

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

All: -13.018 ± 0.384 χ^2/NDF : 6289.5/113

- sign -0.591 ± 0.547 χ^2/NDF : 3906.6/56

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: 3123.817 $\pm$ 0.530 χ^2 /NDF: 14038.2/33

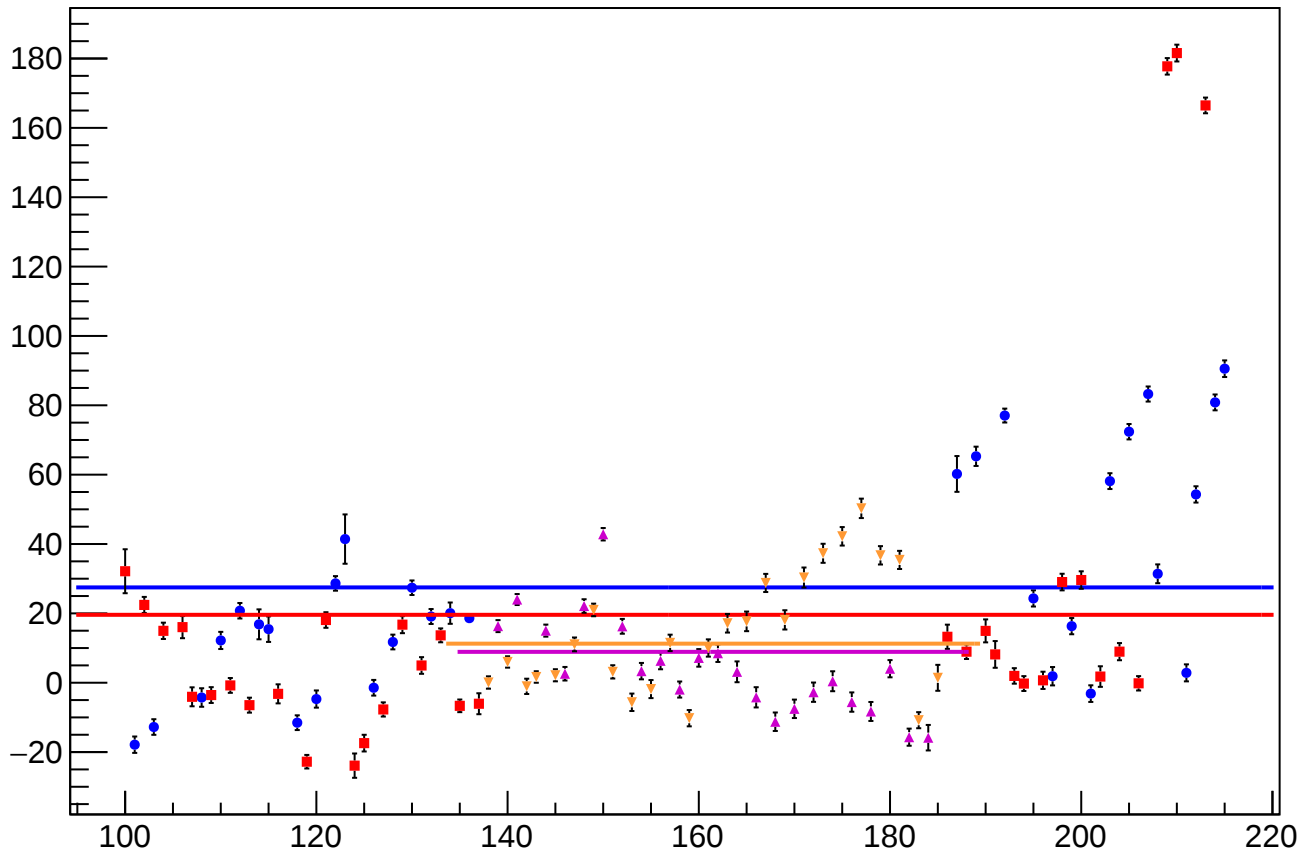
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF:284334.2/22

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

All: 3216.042 $\pm$ 0.271 χ^2 /NDF: 777044.9/113

- sign 3216.146 $\pm$ 0.387 χ^2 /NDF: 363166.0/56

diff_bpm0l01Y_mean vs Slug



Right In: 27.486 $\pm$ 0.418 χ^2 /NDF: 5522.2/31

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

Right Out: 19.584 $\pm$ 0.417 χ^2 /NDF: 15369.0/33

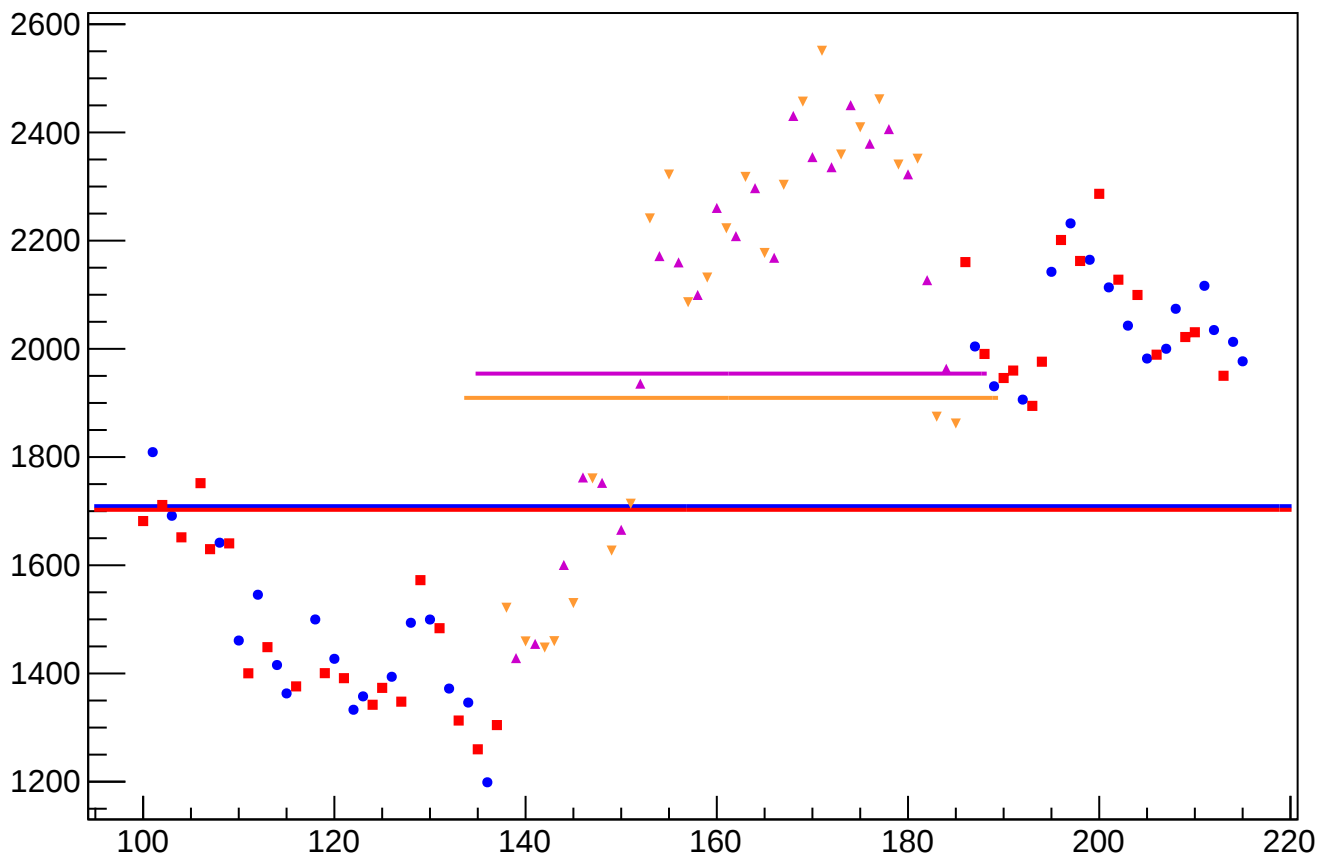
Left In: 8.905 $\pm$ 0.478 χ^2 /NDF: 936.3/22

+ sign 20.061 $\pm$ 0.307 χ^2 /NDF: 7354.8/56

All: 17.568 $\pm$ 0.220 χ^2 /NDF: 24078.4/113

- sign 14.968 $\pm$ 0.314 χ^2 /NDF: 16589.3/56

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: 1702.492 $\pm$ 0.295 χ^2 /NDF: 1183216.8/33

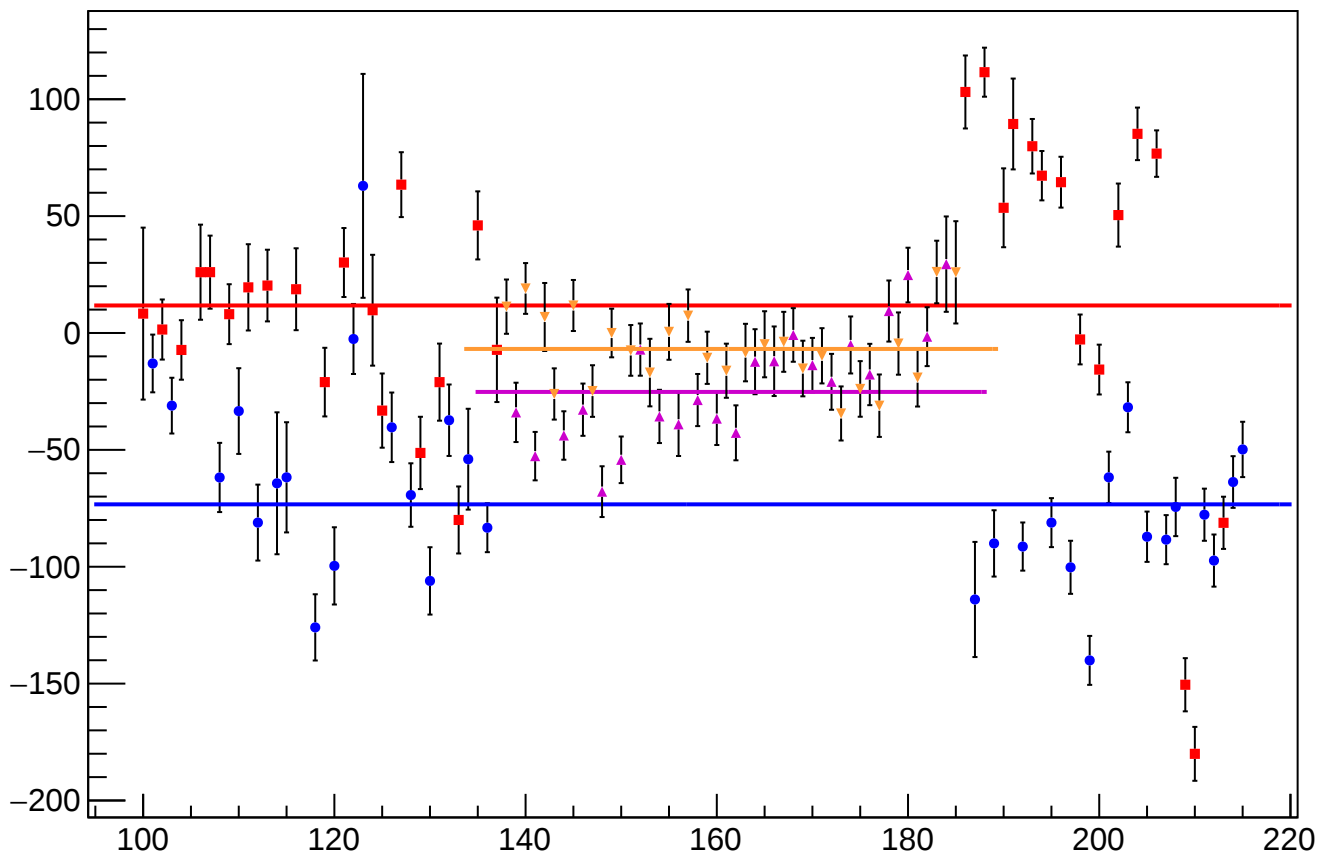
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

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

All: 1805.974 $\pm$ 0.155 χ^2 /NDF: 5405602.4/11

- sign 1811.301 $\pm$ 0.222 χ^2 /NDF: 2543647.8/56

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: 11.773 ± 2.330 χ^2/NDF : 984.9/33

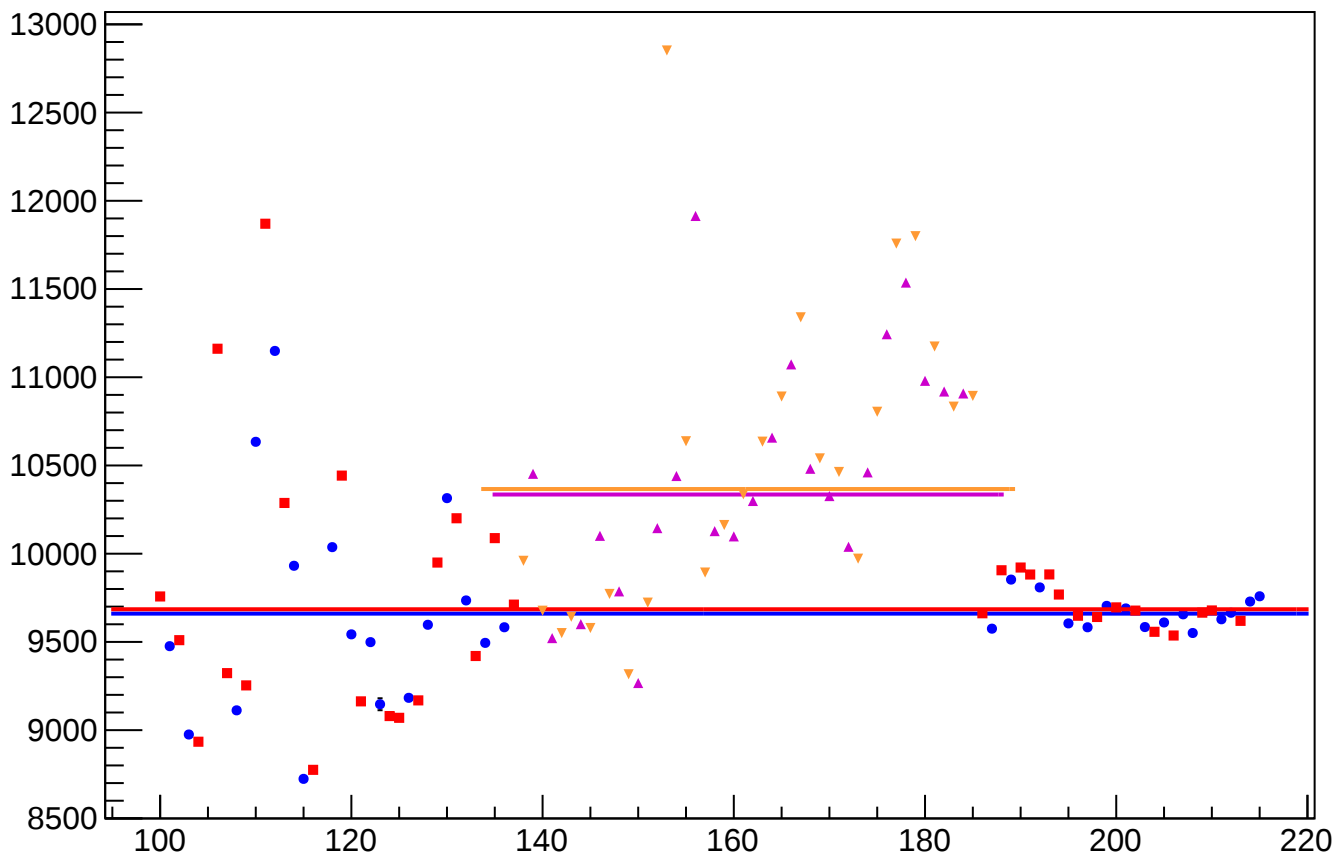
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

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

All: -23.810 ± 1.193 χ^2/NDF : 2045.4/113

- sign -5.522 ± 1.700 χ^2/NDF : 1191.9/56

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: 9685.110+/-1.648 χ^2/NDF : 80423.2/33

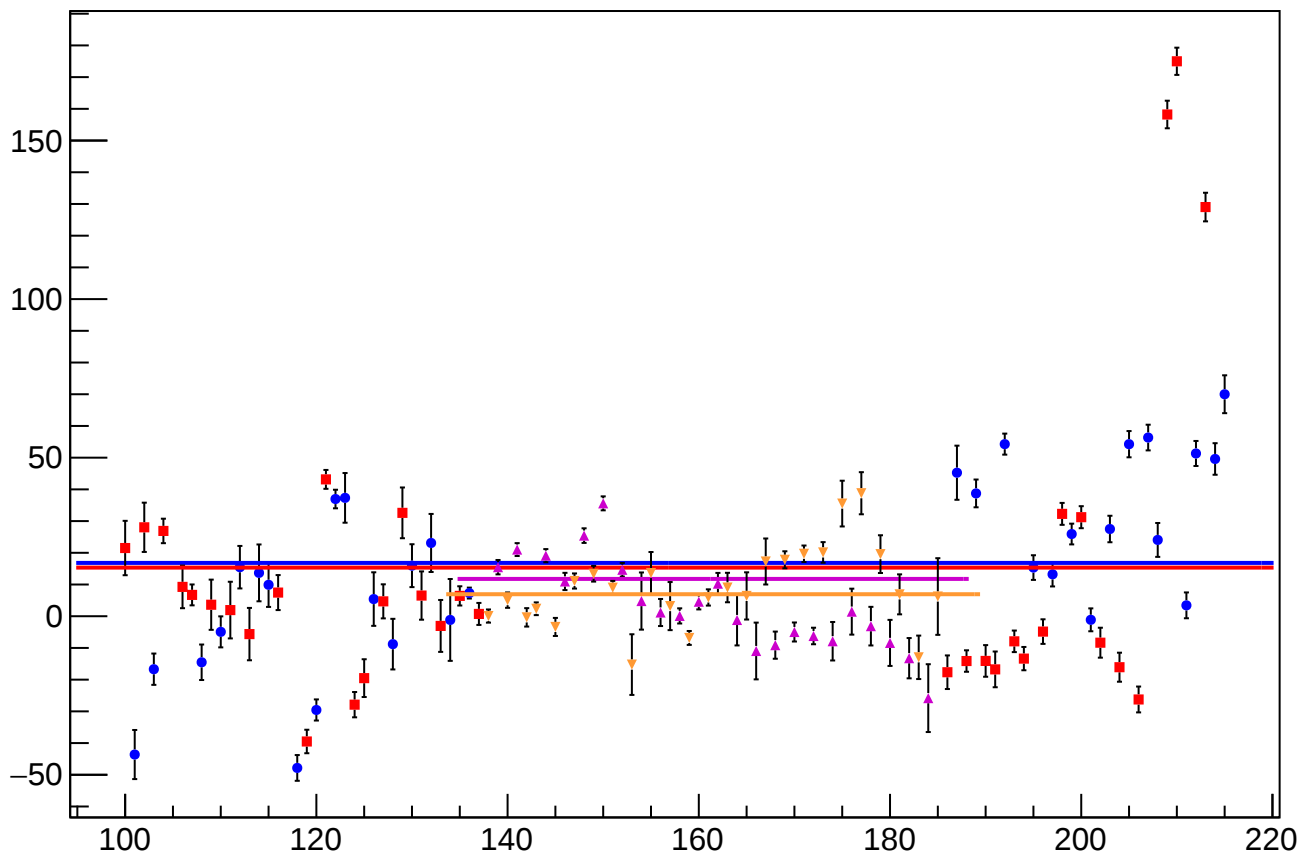
Left In: 10335.399+/-1.758 χ^2/NDF : 127173.0/22

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

All: 9993.523+/-0.844 χ^2/NDF : 626165.1/113

- sign 9989.171+/-1.202 χ^2/NDF : 280422.4/56

diff_bpm0l02Y_mean vs Slug



Right In: 16.814 $\pm$ 0.757 χ^2 /NDF: 1298.8/31

Left Out: 6.939 $\pm$ 0.639 χ^2 /NDF: 203.8/24

Right Out: 15.335 $\pm$ 0.759 χ^2 /NDF: 4166.7/33

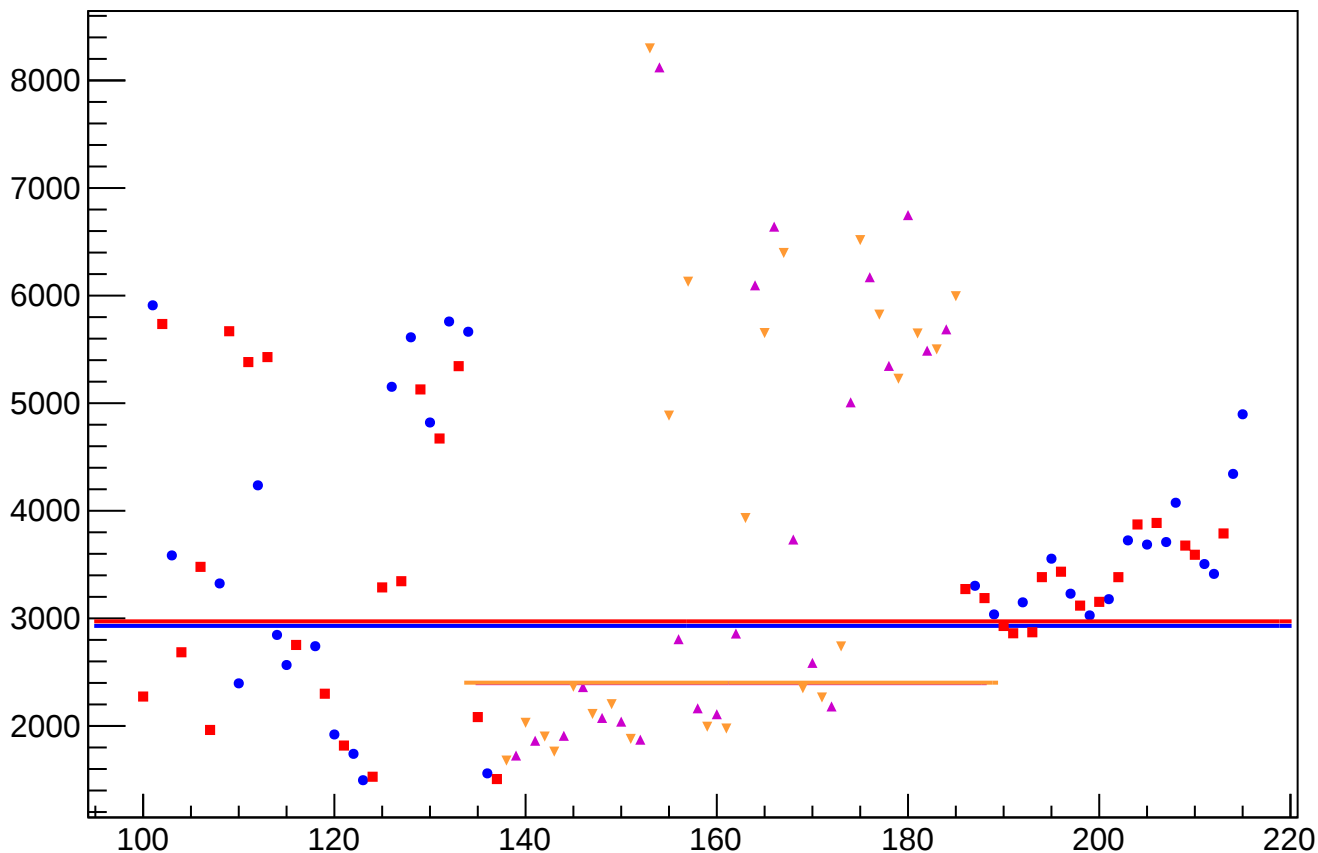
Left In: 11.766 $\pm$ 0.648 χ^2 /NDF: 395.1/22

+ sign 11.044 $\pm$ 0.488 χ^2 /NDF: 1602.0/56

All: 12.147 $\pm$ 0.347 χ^2 /NDF: 6186.9/113

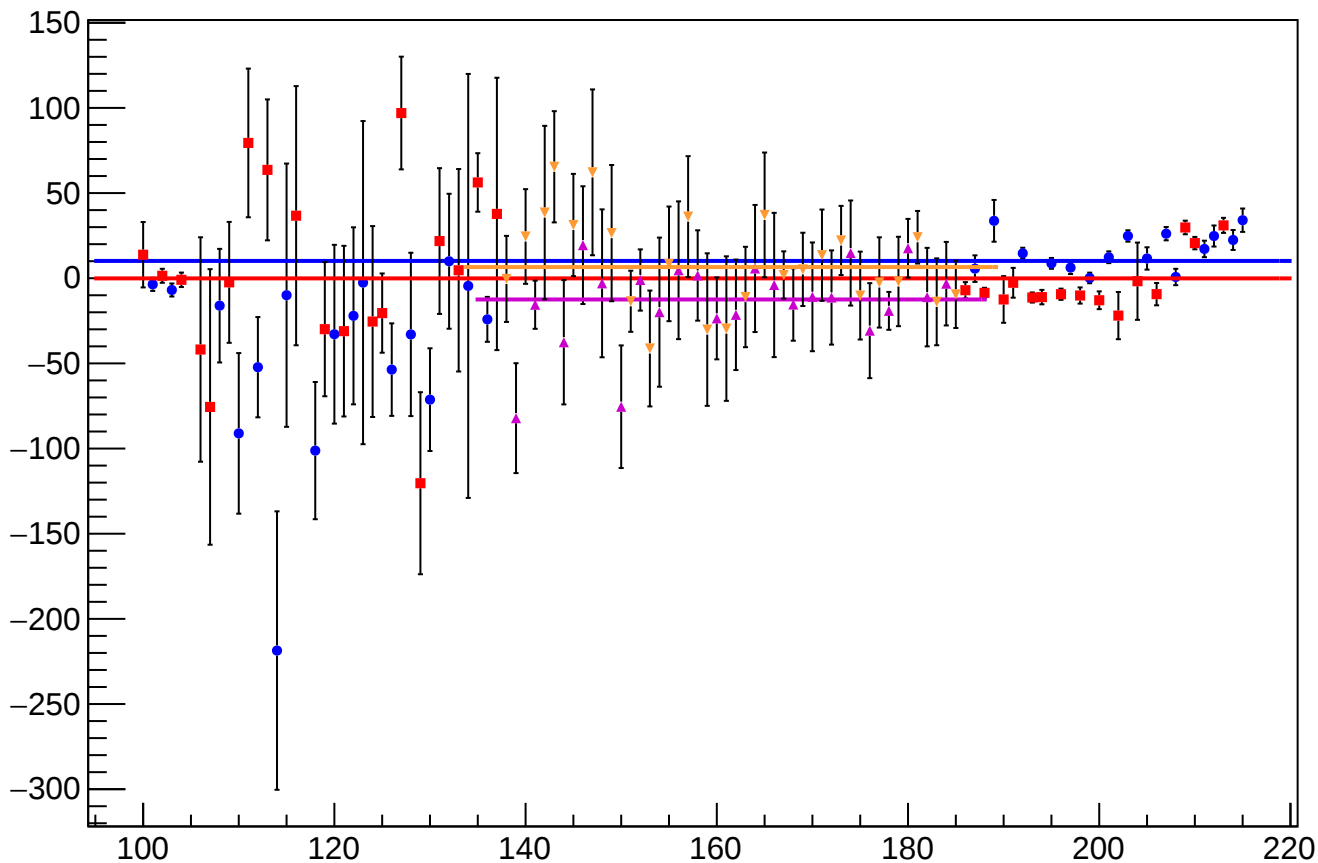
- sign 13.272 $\pm$ 0.493 χ^2 /NDF: 4574.6/56

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		
Right Out: 2972.378+/-0.537	χ^2/NDF : 3052955.4/33	All: 2630.885+/-0.245	χ^2/NDF : 19975533.4/1
Left In: 2397.701+/-0.458	χ^2/NDF : 5398920.1/22	- sign 2640.162+/-0.349	χ^2/NDF : 9114815.3/56

diff_bpm0l03X_mean vs Slug



Right In: 10.162 $\pm$ 1.020 χ^2 /NDF: 161.4/31

Left Out: 6.560 $\pm$ 5.077 χ^2 /NDF:16.8/24

Right Out: -0.090 $\pm$ 1.076 χ^2 /NDF: 227.5/33

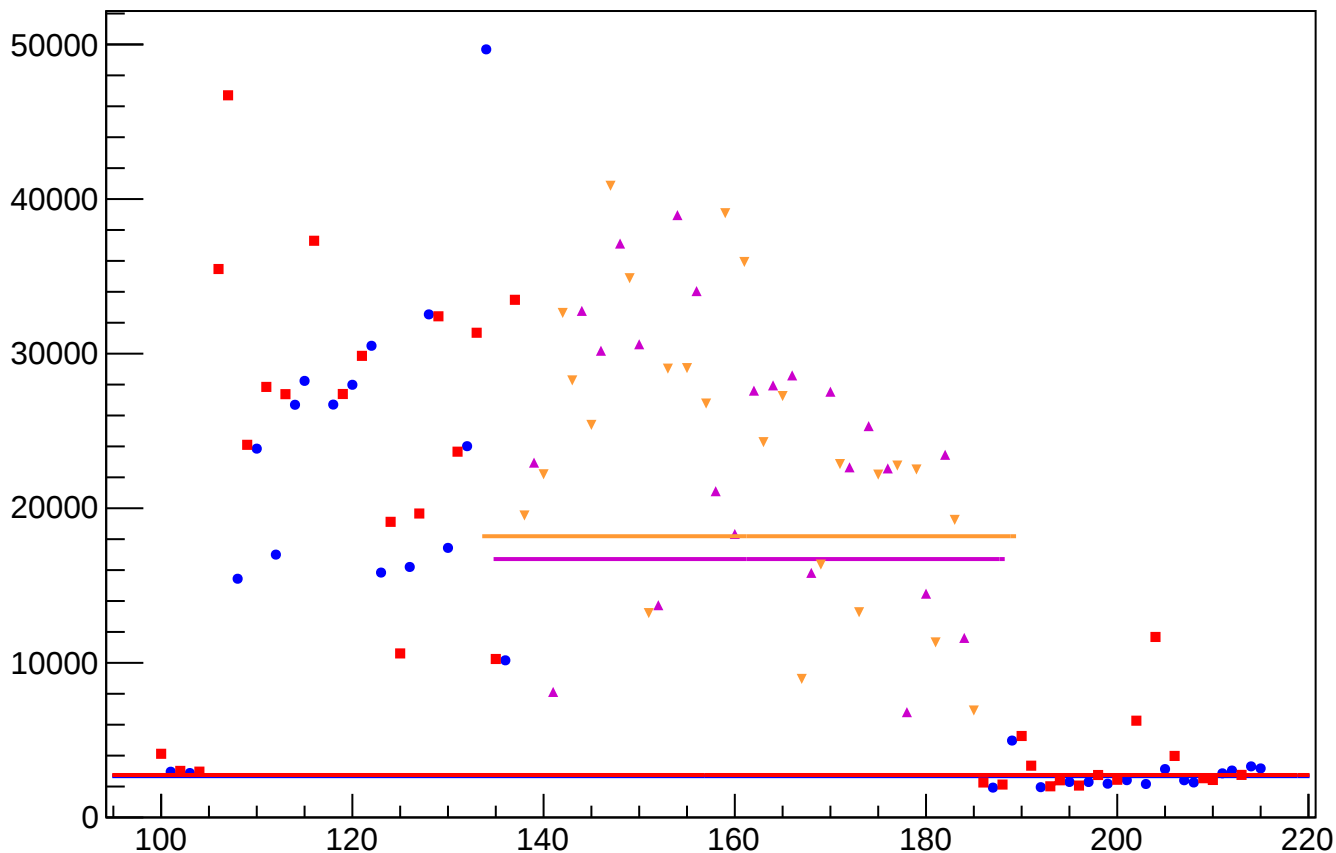
Left In: -12.469 $\pm$ 5.025 χ^2 /NDF:15.4/22

+ sign 10.023 $\pm$ 1.000 χ^2 /NDF: 178.6/56

All: 4.967 $\pm$ 0.725 χ^2 /NDF: 481.3/113

- sign -0.632 $\pm$ 1.052 χ^2 /NDF: 248.7/56

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: 2746.995+/-0.761 χ^2/NDF : 9079684.0/33

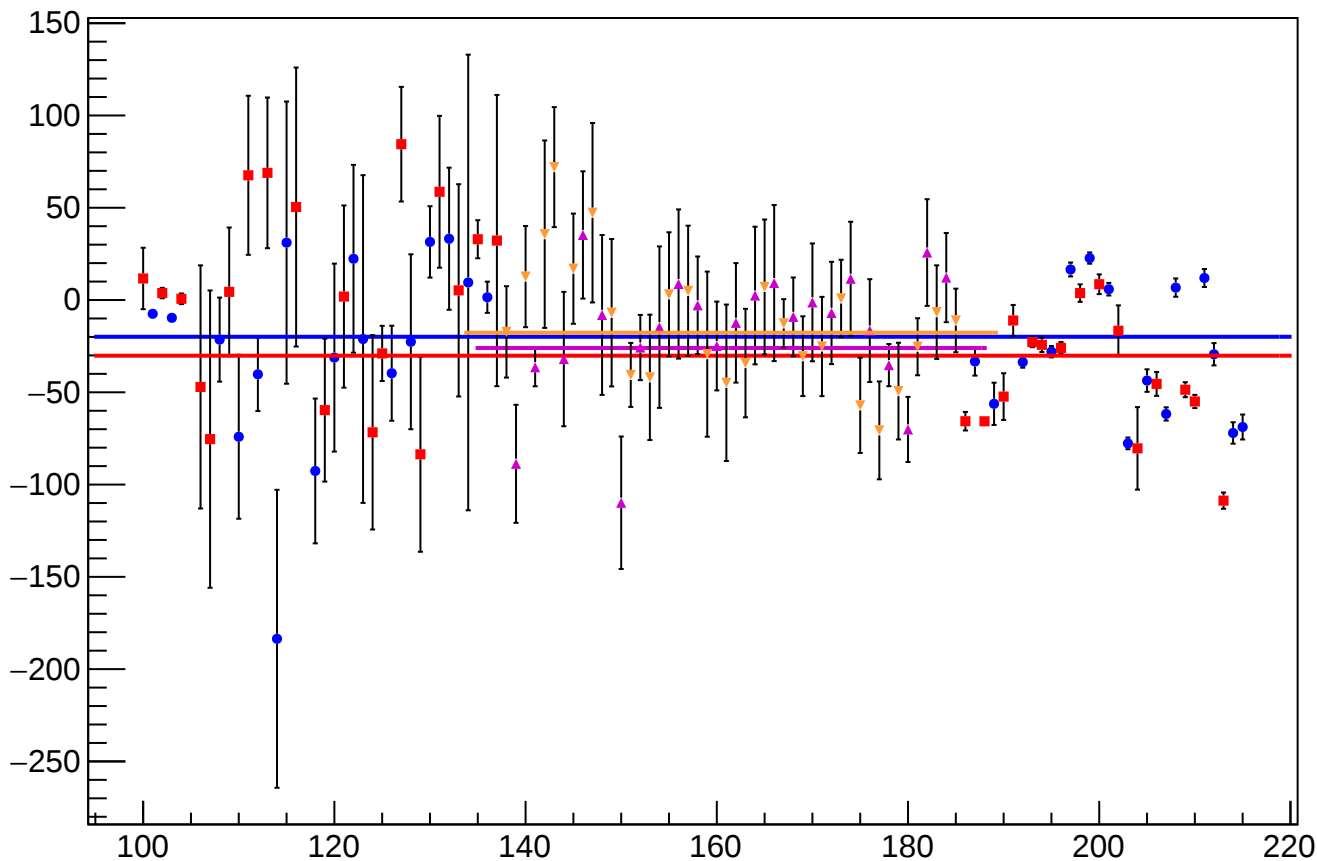
Left In: 16713.653+/-3.553 χ^2/NDF : 6194178.8/22

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

All: 3313.529+/-0.512 χ^2/NDF : 60321648.3/100

- sign 3359.000+/-0.744 χ^2/NDF : 30045714.6/56

diff_bpm0l03Y_mean vs Slug



Right In: -19.909 ± 0.918 $\chi^2/\text{NDF}: 1143.9/31$

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

Right Out: -30.157 ± 0.970 $\chi^2/\text{NDF}: 1083.7/33$

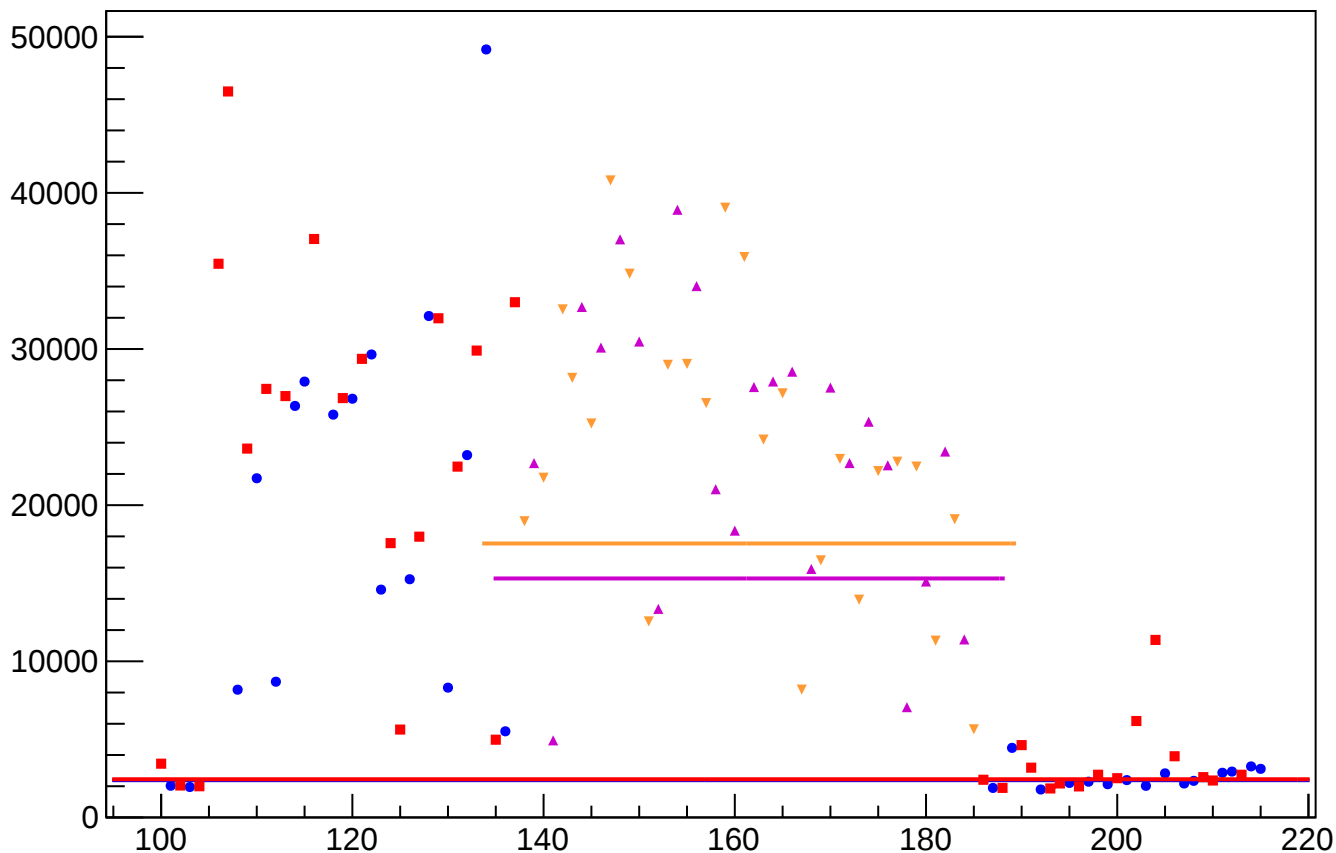
Left In: -25.991 ± 4.789 $\chi^2/\text{NDF}: 32.6/22$

+ sign -19.837 ± 0.903 $\chi^2/\text{NDF}: 1171.2/56$

All: -24.655 ± 0.655 $\chi^2/\text{NDF}: 2348.2/113$

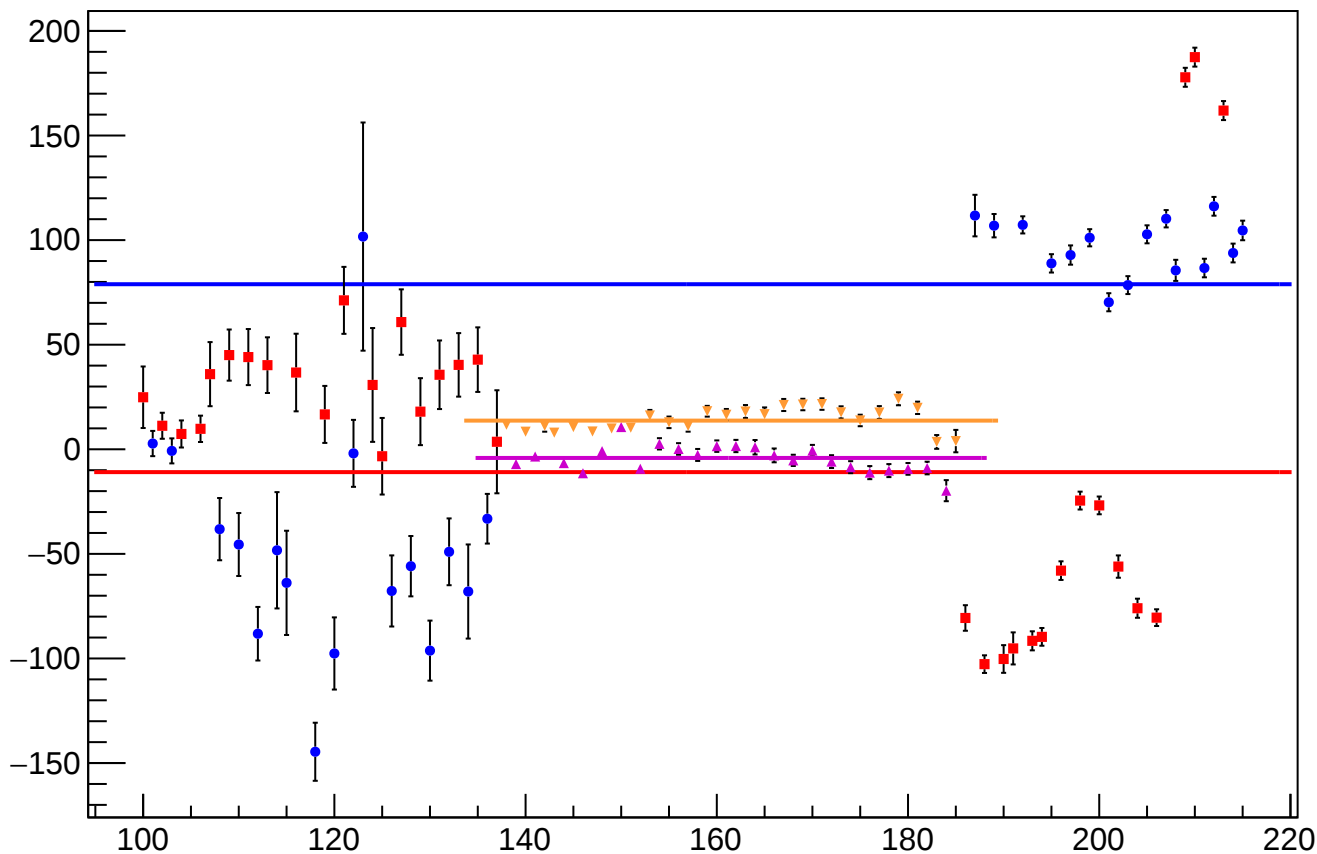
- sign -29.993 ± 0.951 $\chi^2/\text{NDF}: 1117.0/56$

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: 2918.097+/-0.463	χ^2/NDF : 60132282.7/1
Right Out: 2446.077+/-0.686	χ^2/NDF : 8759716.6/33	- sign 2952.708+/-0.672	χ^2/NDF : 30333628.0/56
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: -10.916 ± 1.105 χ^2/NDF : 7572.6/33

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

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

All: 10.828 ± 0.345 χ^2/NDF : 14678.4/113

- sign -5.505 ± 0.496 χ^2/NDF : 7714.2/56

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: 4338.046 $\pm$ 0.781 χ^2 /NDF: 3867491.6/33

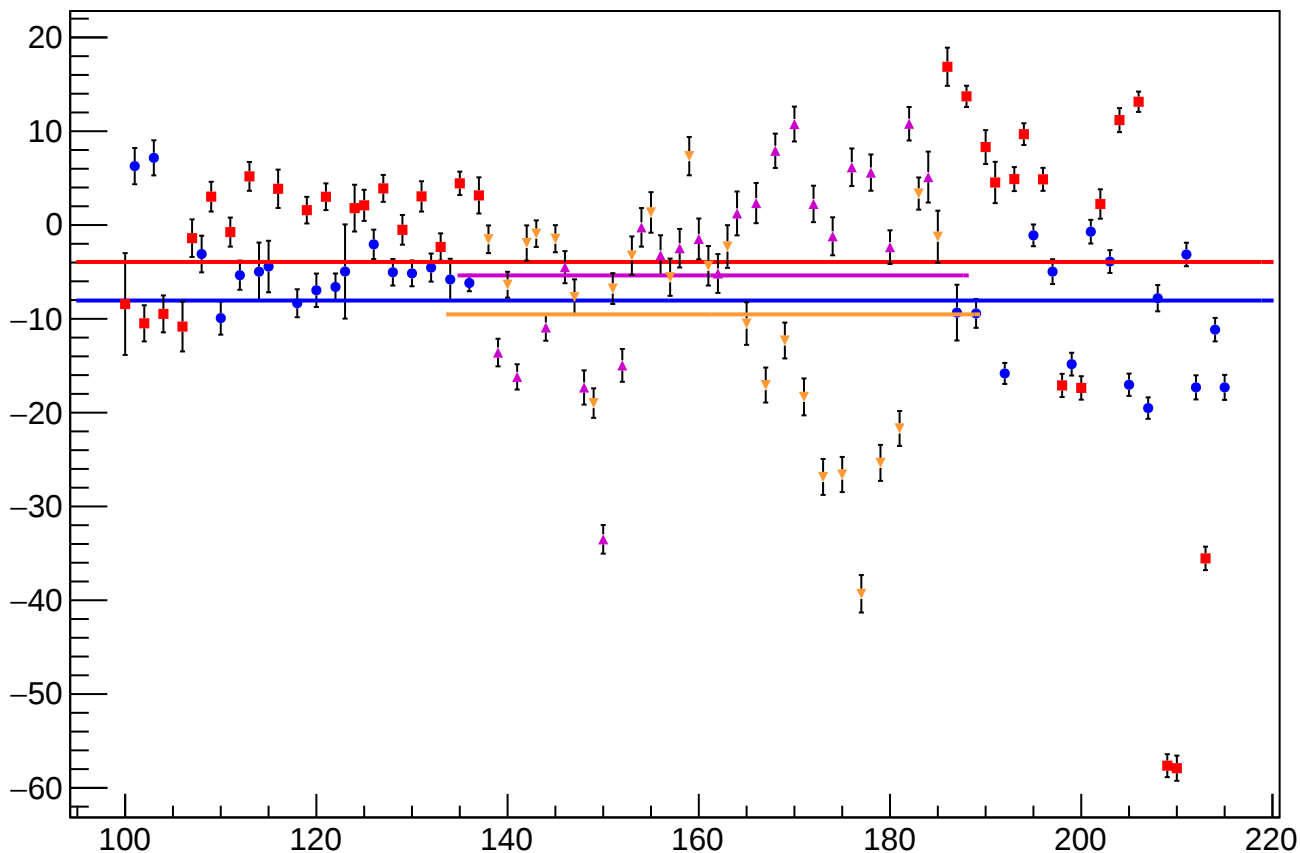
Left In: 2290.461 $\pm$ 0.392 χ^2 /NDF: 590272.1/22

+ sign 2671.119 $\pm$ 0.340 χ^2 /NDF: 10092983.7/56

All: 2686.424 $\pm$ 0.244 χ^2 /NDF: 20039167.8/100

- sign 2702.672 $\pm$ 0.351 χ^2 /NDF: 9942013.0/56

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: -3.936 ± 0.257 χ^2/NDF : 5734.9/33

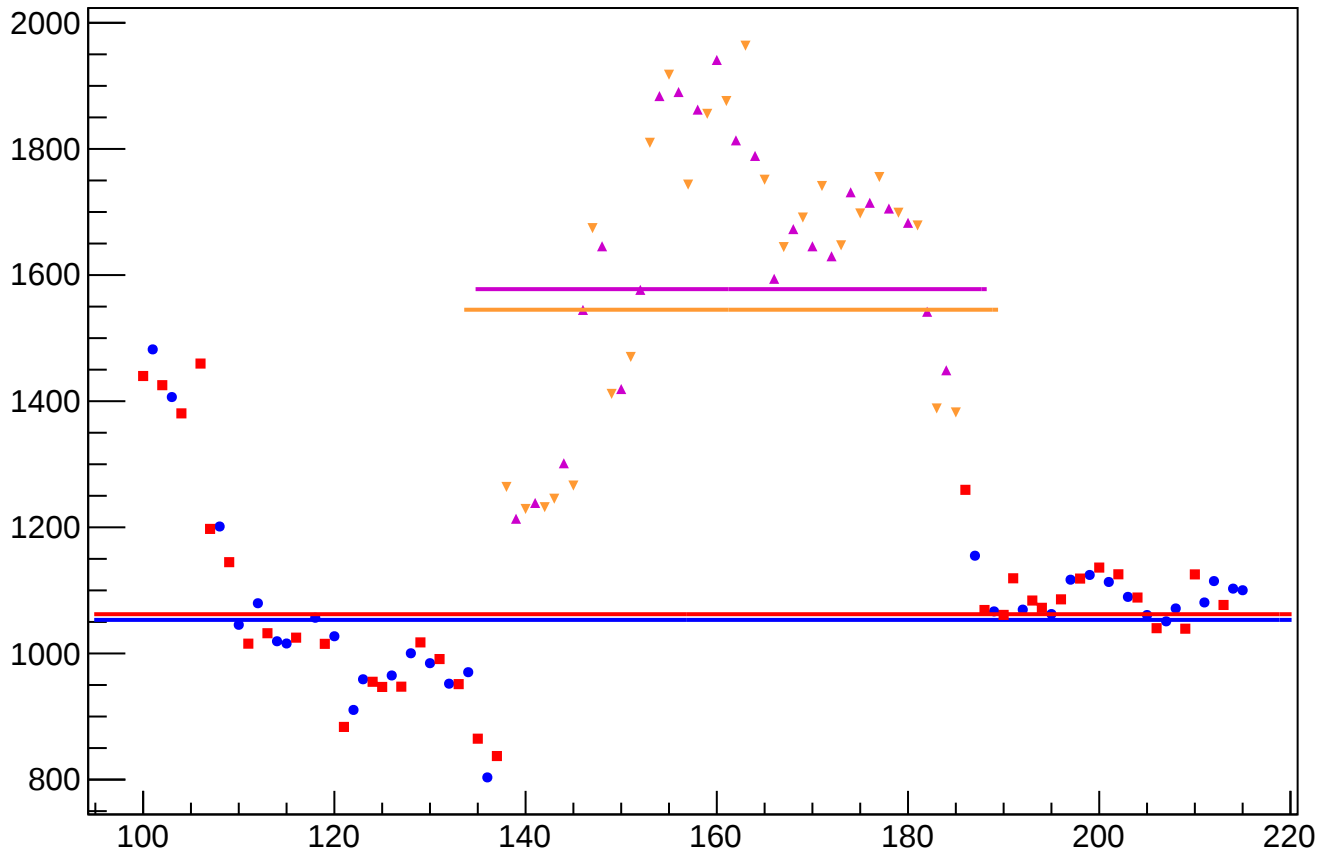
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

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

All: -6.503 ± 0.149 χ^2/NDF : 8320.5/113

- sign -4.381 ± 0.213 χ^2/NDF : 6614.4/56

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: 1062.247 $\pm$ 0.181 χ^2 /NDF: 393148.0/33

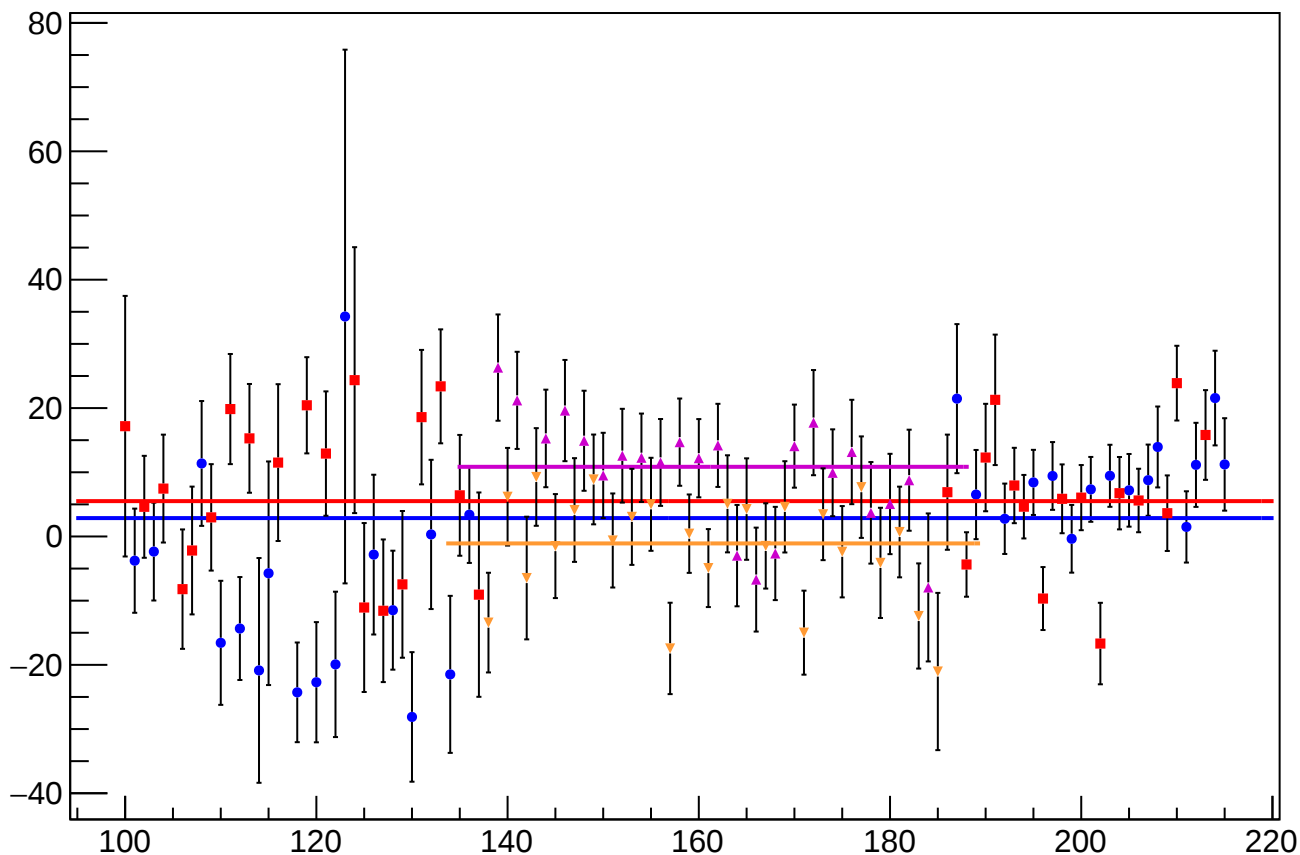
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

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

All: 1217.769 $\pm$ 0.105 χ^2 /NDF: 7237326.1/11

- sign 1222.023 $\pm$ 0.151 χ^2 /NDF: 3519291.8/56

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: 5.506 ± 1.261 $\chi^2/\text{NDF}: 66.0/33$

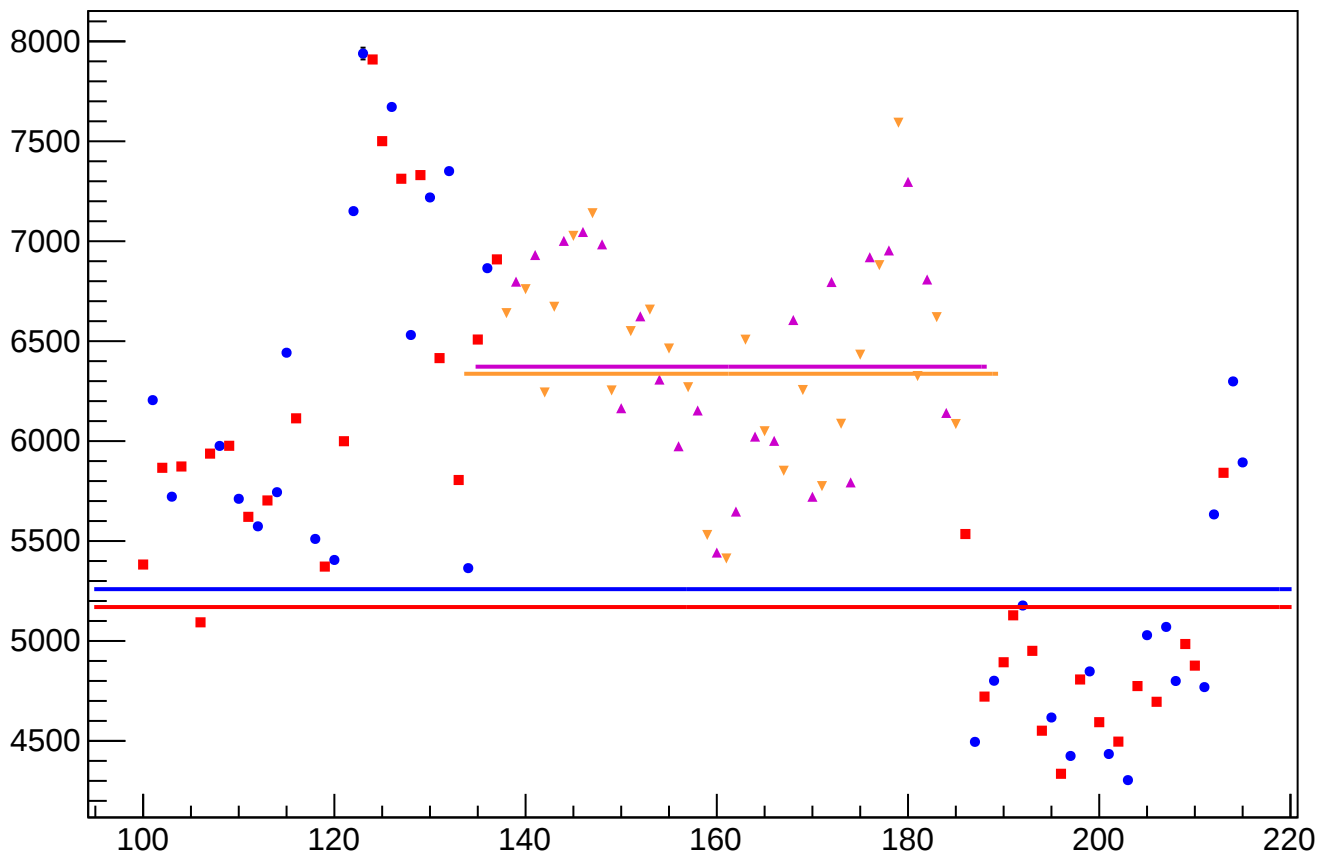
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

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

All: 4.398 ± 0.688 $\chi^2/\text{NDF}: 227.0/113$

- sign 7.648 ± 0.976 $\chi^2/\text{NDF}: 97.5/56$

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: 5169.736 $\pm$ 0.891 χ^2 /NDF: 673196.7/33

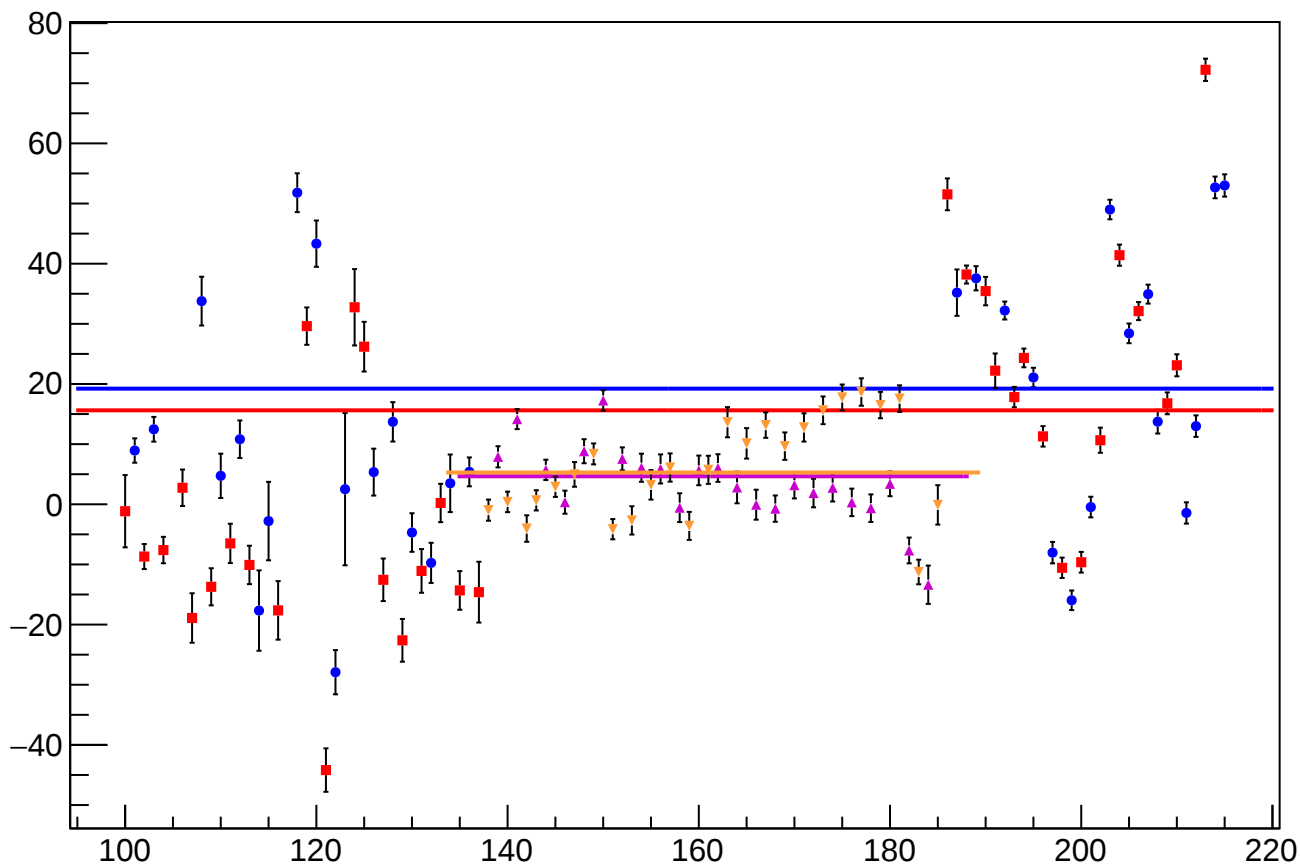
Left In: 6372.349 $\pm$ 1.090 χ^2 /NDF: 247257.0/22

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

All: 5685.307 $\pm$ 0.487 χ^2 /NDF: 3291990.4/11

- sign 5651.594 $\pm$ 0.690 χ^2 /NDF: 1649878.1/56

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: 15.622 $\pm$ 0.399 χ^2 /NDF: 3555.1/33

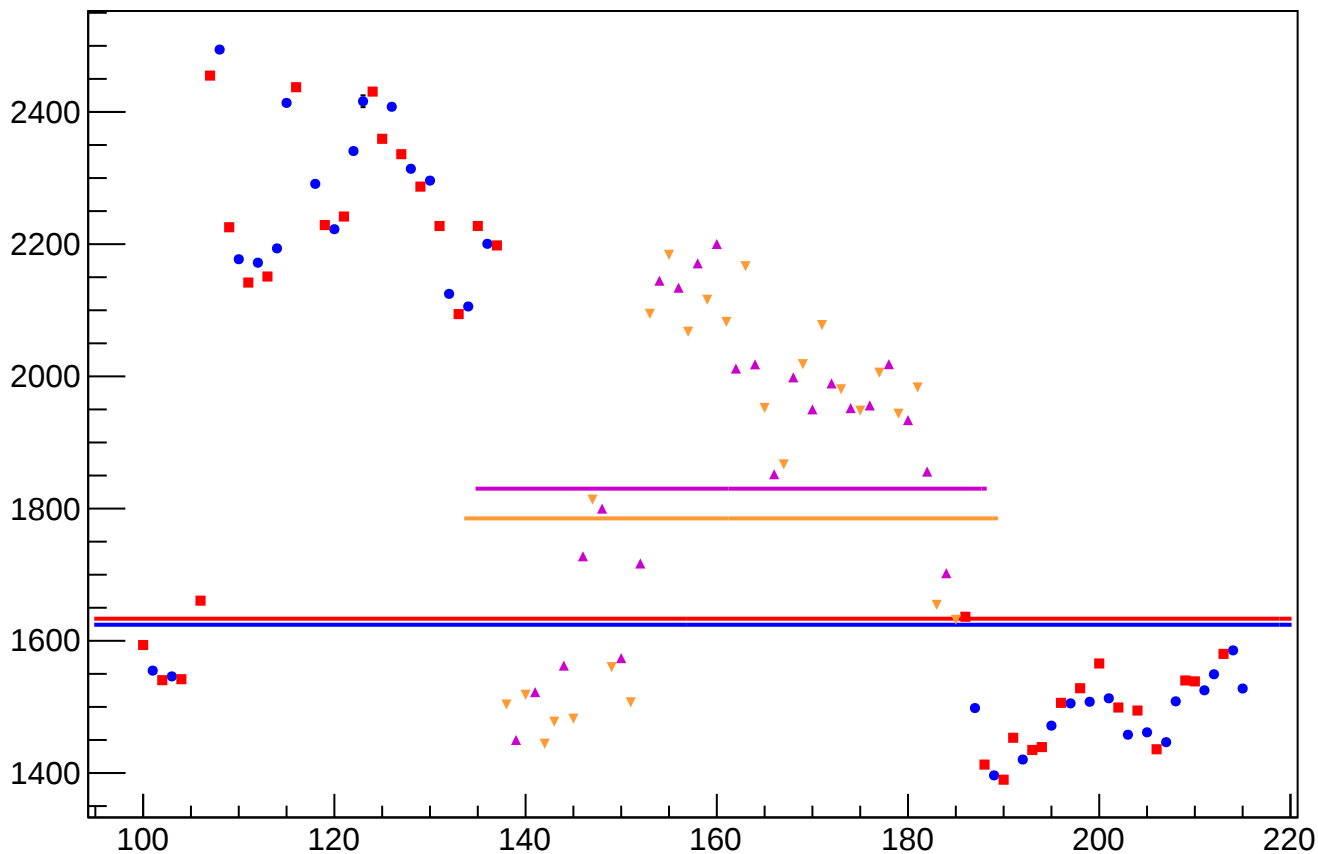
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF: 196.5/22

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

All: 11.730 $\pm$ 0.207 χ^2 /NDF: 7983.7/113

- sign 10.716 $\pm$ 0.297 χ^2 /NDF: 4089.6/56

diff_bpm0l05Y_rms vs Slug



Right In: 1624.289+/-0.280 χ^2/NDF : 1103111.0/31

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

Right Out: 1633.454+/-0.282 χ^2/NDF : 1096595.1/33

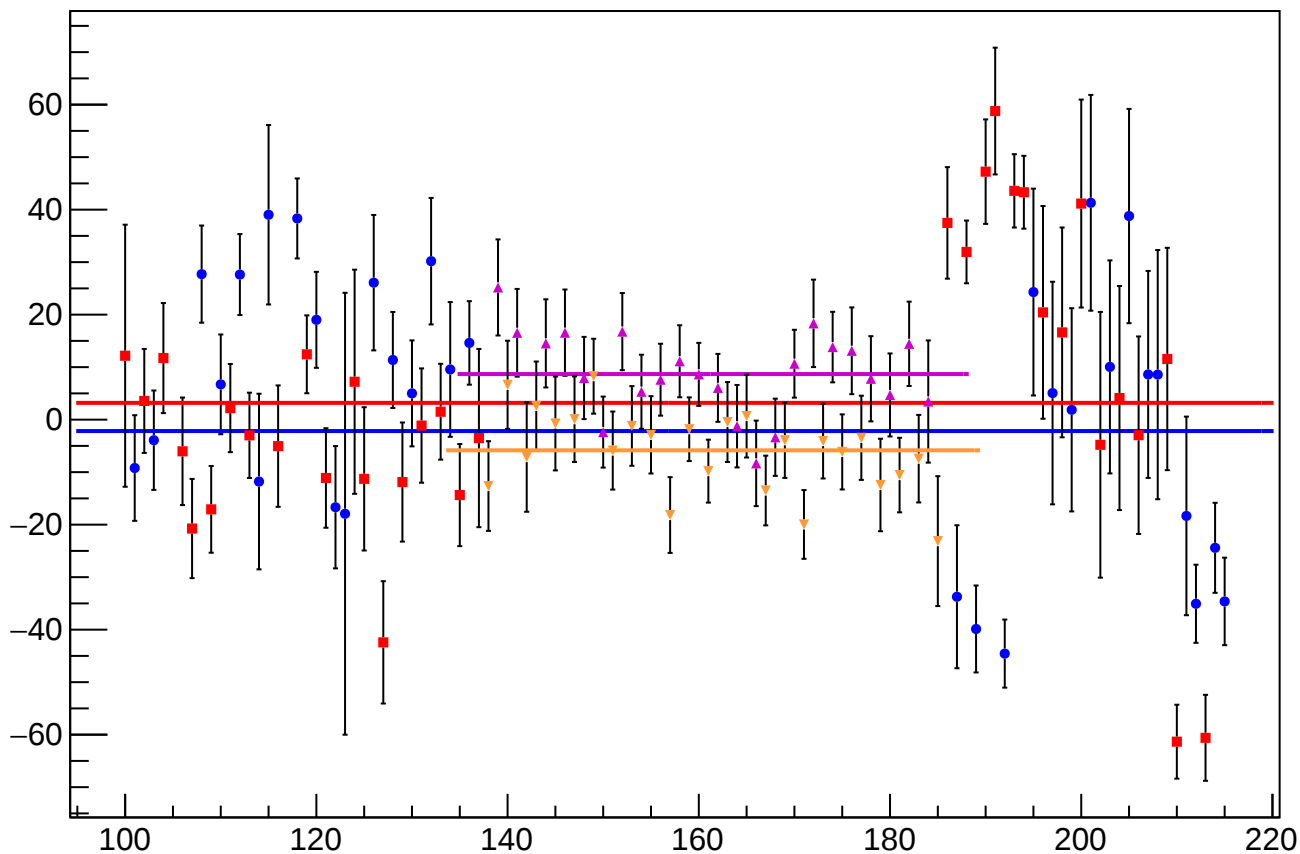
Left In: 1830.160+/-0.313 χ^2/NDF : 508391.9/22

+ sign 1699.738+/-0.204 χ^2/NDF : 2009089.5/56

All: 1710.288+/-0.146 χ^2/NDF : 3837162.5/11

- sign 1721.467+/-0.210 χ^2/NDF : 1822549.0/56

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: 3.200 ± 1.751 $\chi^2/\text{NDF}: 332.1/33$

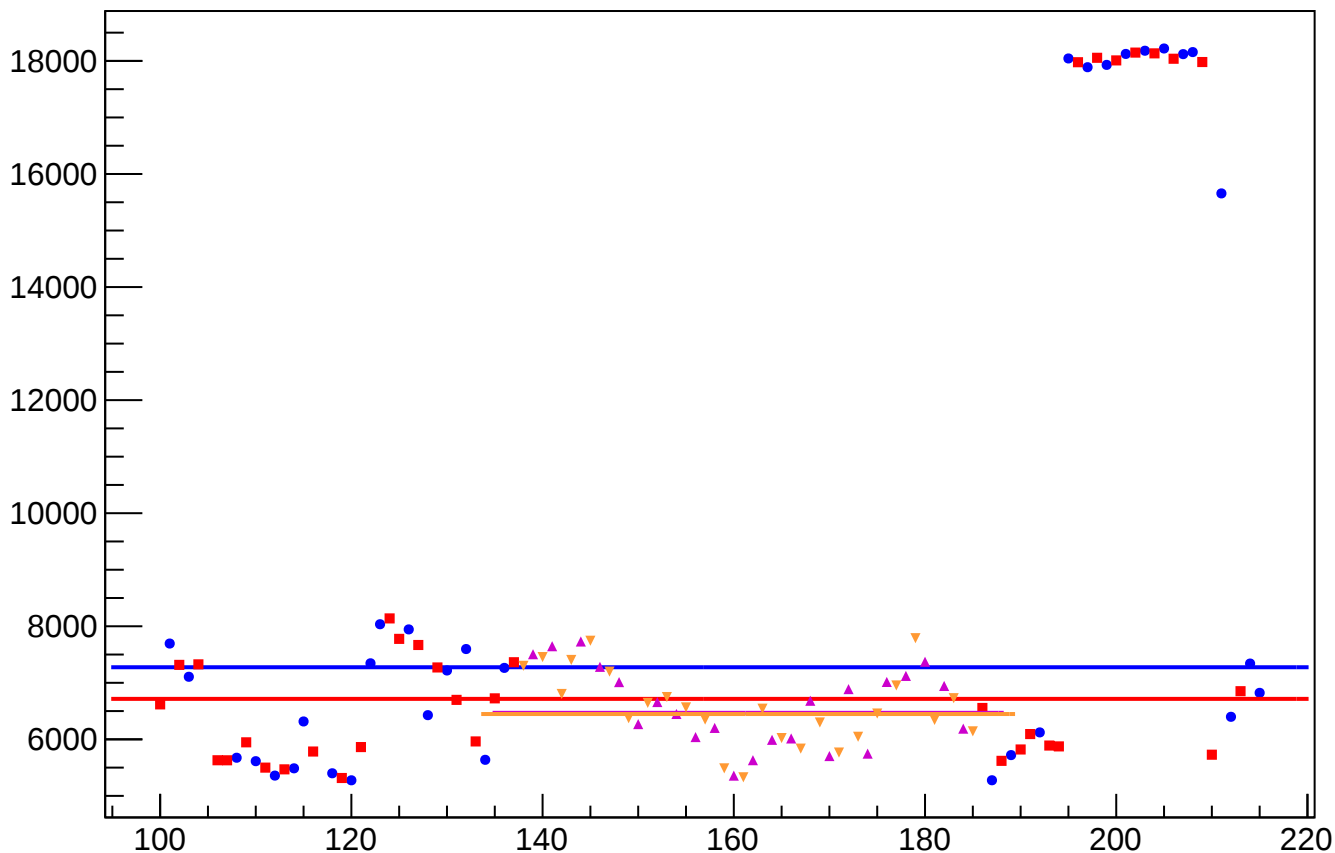
Left In: 8.683 ± 1.571 $\chi^2/\text{NDF}: 21.9/22$

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

All: 0.999 ± 0.834 $\chi^2/\text{NDF}: 636.5/113$

- sign 6.239 ± 1.169 $\chi^2/\text{NDF}: 359.4/56$

diff_bpm0l06X_rms vs Slug



Right In: 7275.212+/-1.353 χ^2/NDF : 5597119.2/31

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

Right Out: 6715.758+/-1.238 χ^2/NDF : 4696207.3/33

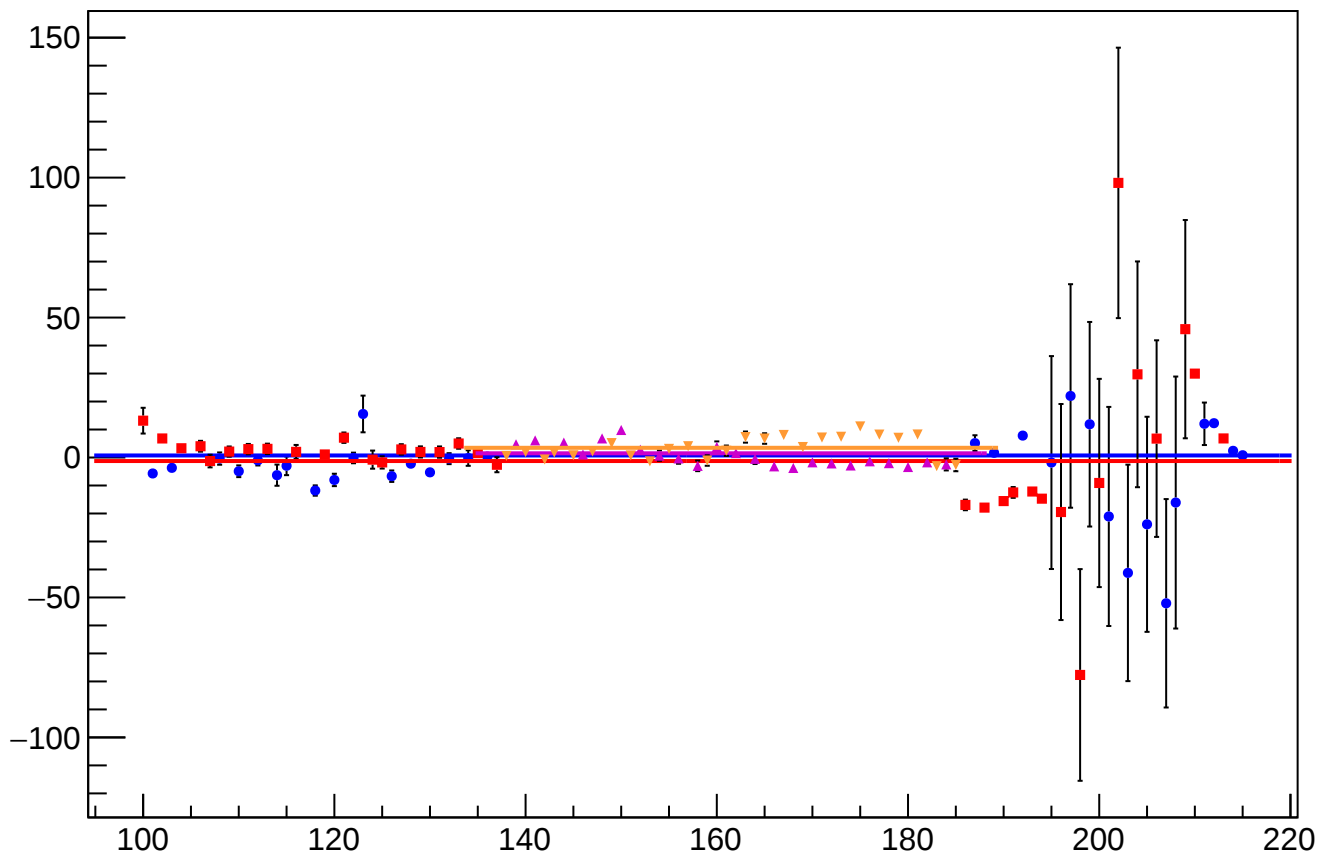
Left In: 6468.902+/-1.111 χ^2/NDF : 383325.4/22

+ sign 6767.316+/-0.841 χ^2/NDF : 6198245.0/56

All: 6671.515+/-0.590 χ^2/NDF : 11325312.7/1

- sign 6578.955+/-0.827 χ^2/NDF : 5101559.9/56

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: -1.261 ± 0.328 χ^2/NDF : 1362.3/33

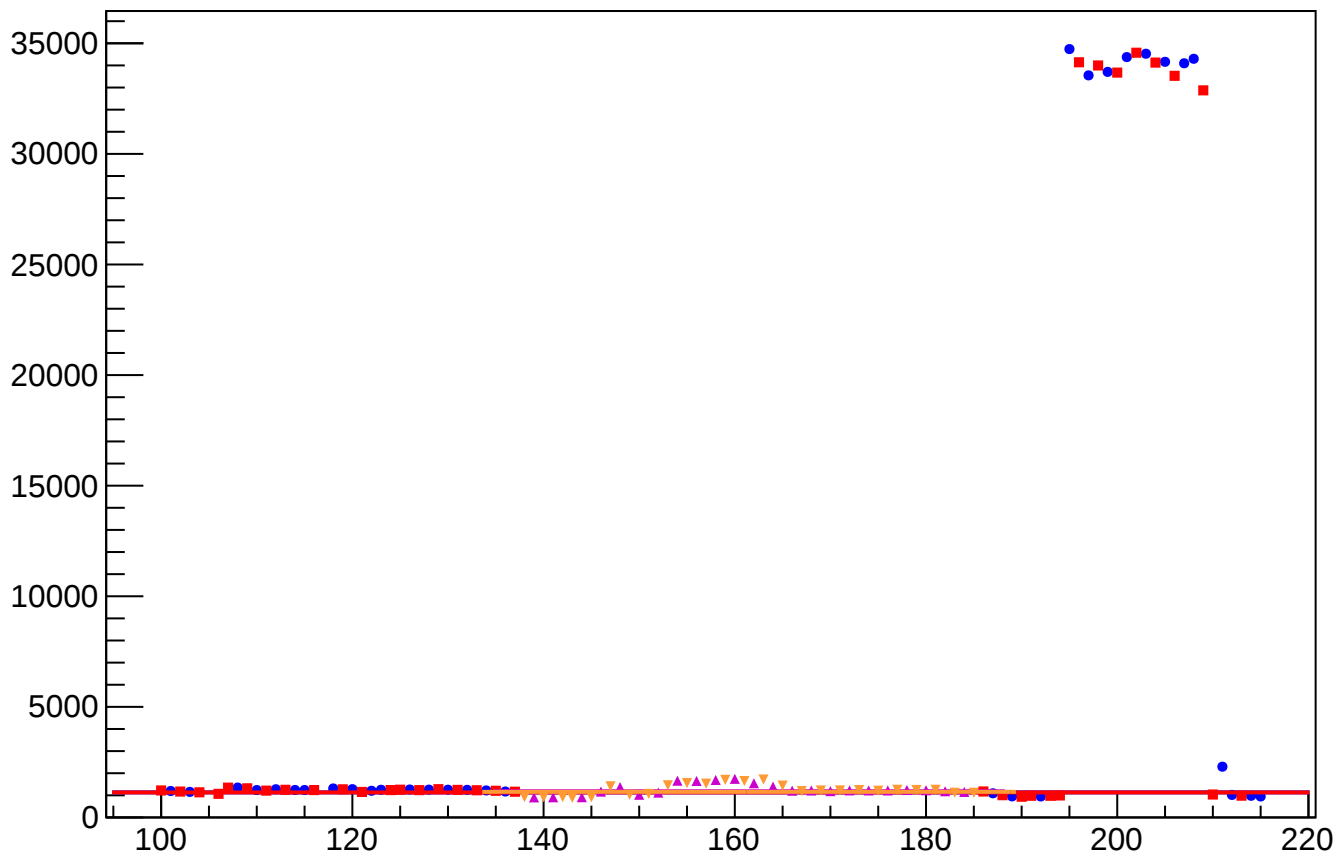
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

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

All: 1.353 ± 0.153 χ^2/NDF : 2159.1/113

- sign 0.287 ± 0.218 χ^2/NDF : 1604.8/56

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: 1130.673 $\pm$ 0.232 χ^2 /NDF: 10113709.2/33

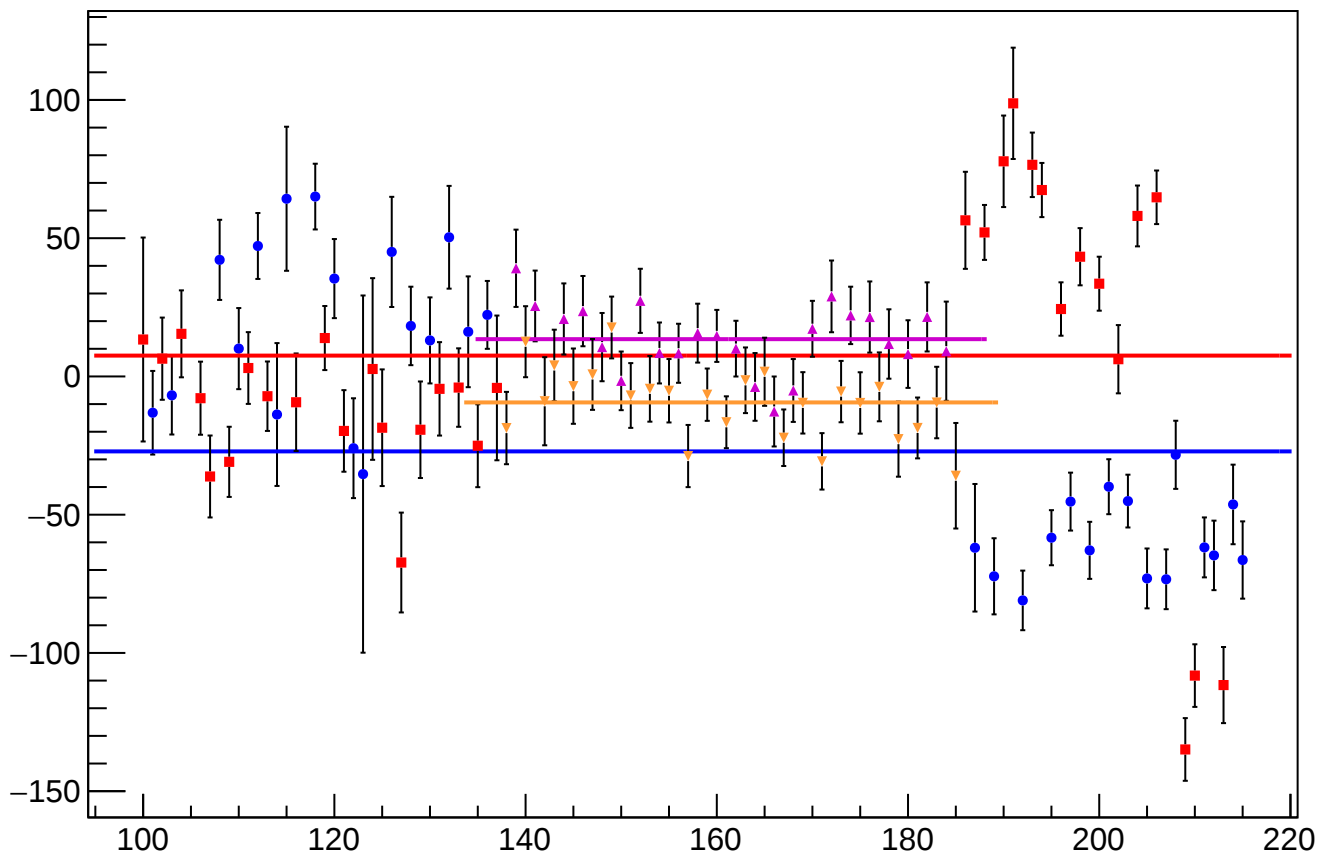
Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1149.121 $\pm$ 0.153 χ^2 /NDF: 13324958.4/56

All: 1155.056 $\pm$ 0.108 χ^2 /NDF: 24662845.1/100

- sign 1161.087 $\pm$ 0.154 χ^2 /NDF: 11334836.6/56

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: 7.538 ± 2.286 $\chi^2/\text{NDF}: 607.0/33$

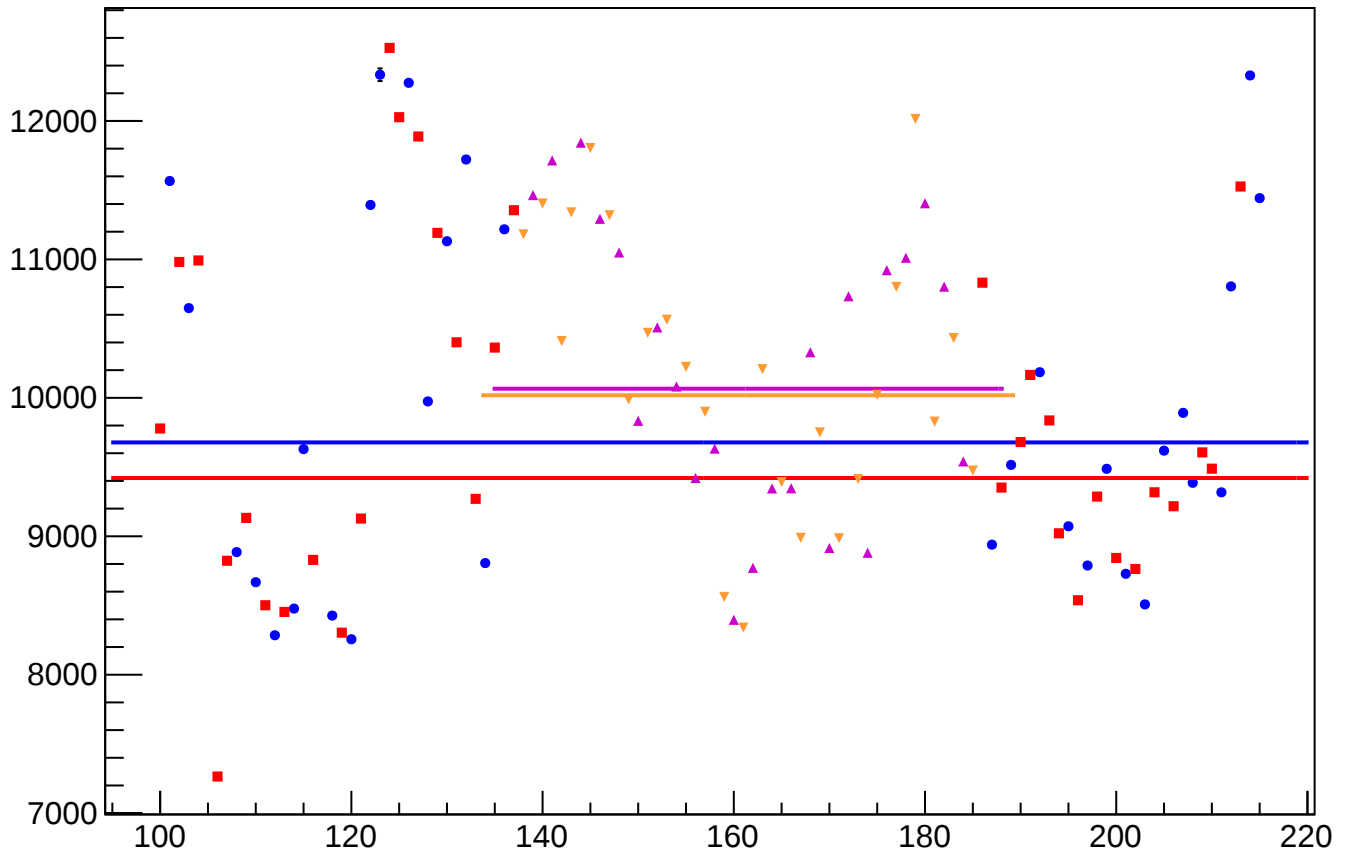
Left In: 13.485 ± 2.443 $\chi^2/\text{NDF}: 21.6/22$

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

All: -4.039 ± 1.178 $\chi^2/\text{NDF}: 1198.1/113$

- sign 10.314 ± 1.669 $\chi^2/\text{NDF}: 631.7/56$

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: 9420.983+/-1.616 χ^2/NDF : 375675.6/33

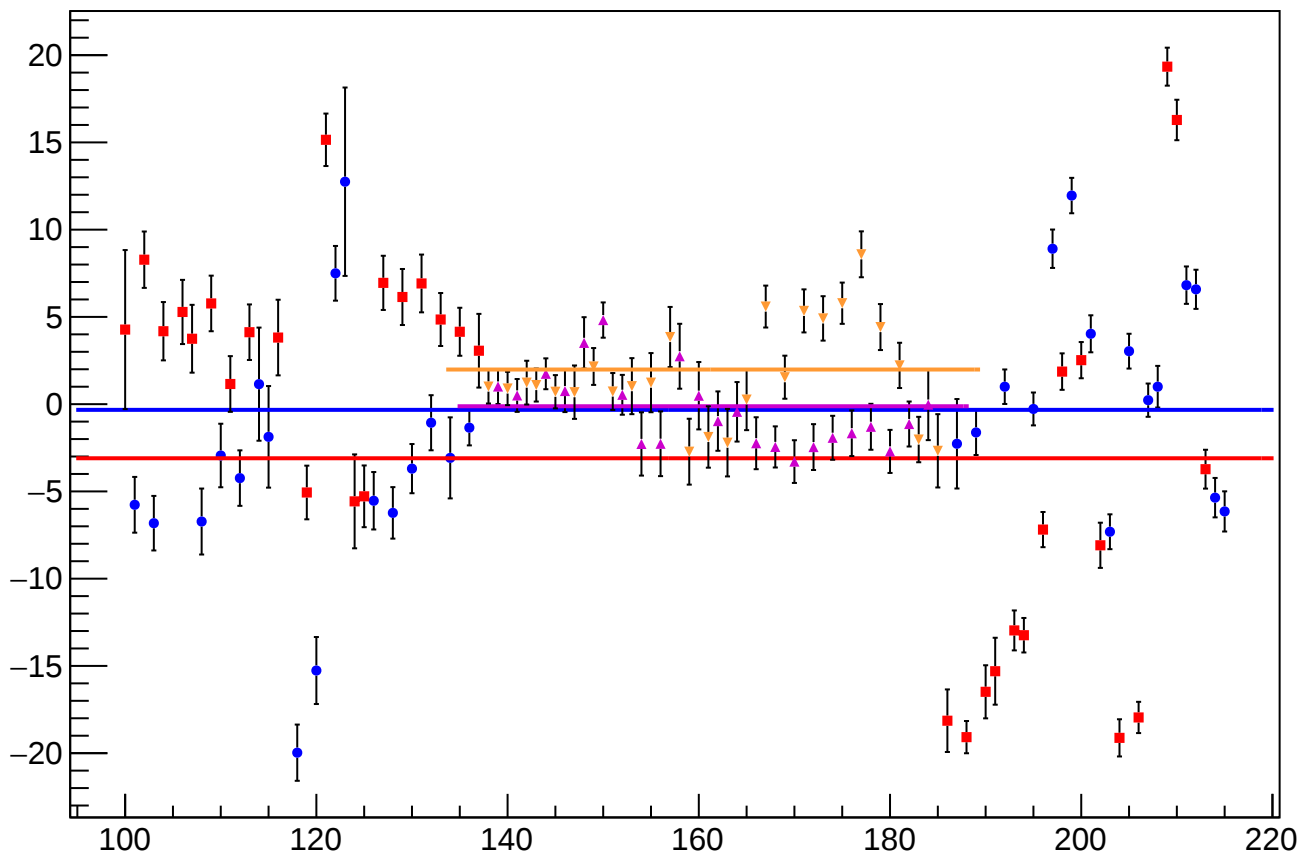
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

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

All: 9784.968+/-0.833 χ^2/NDF : 1639210.3/11

- sign 9722.048+/-1.180 χ^2/NDF : 807870.5/56

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: -3.101 ± 0.233 $\chi^2/\text{NDF}: 2456.3/33$

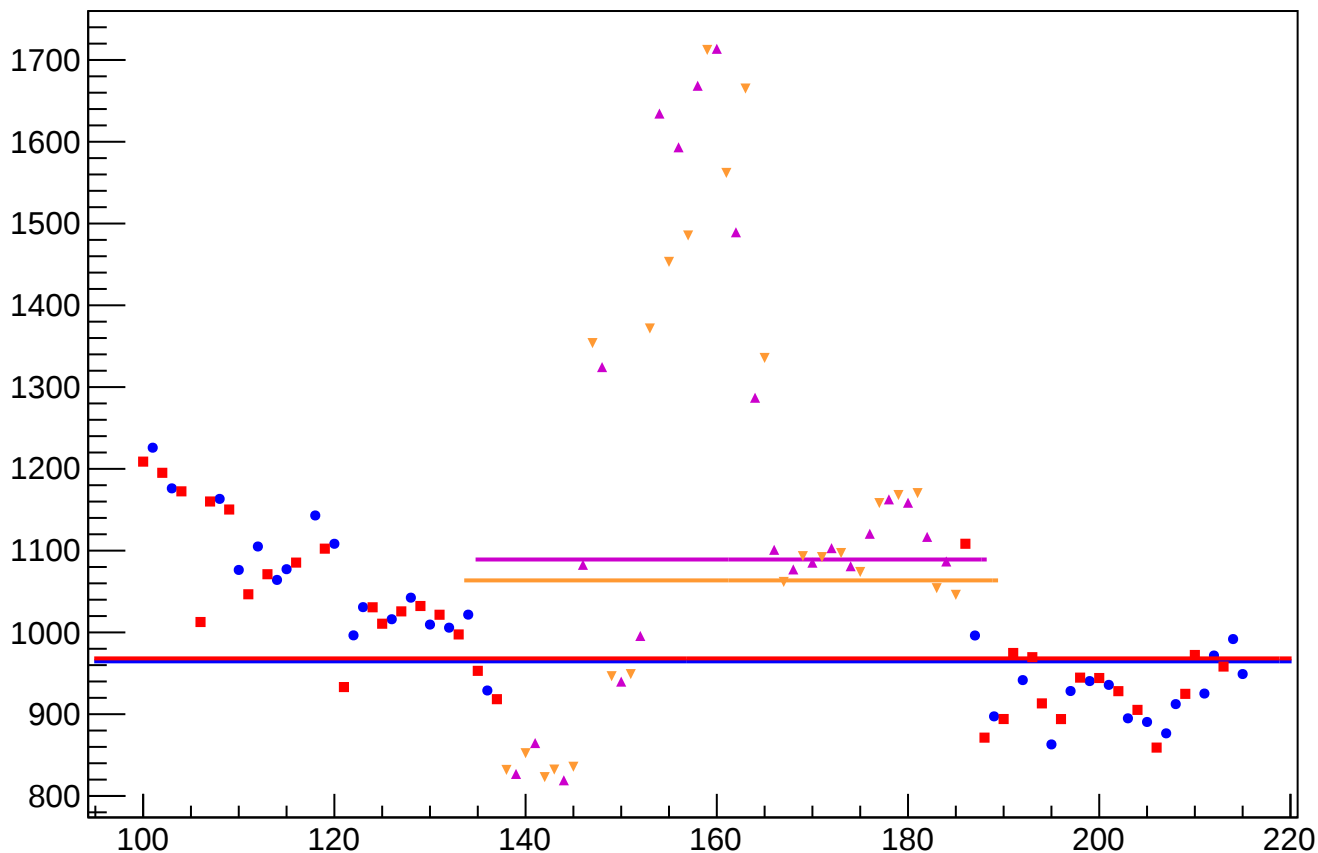
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

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

All: -0.514 ± 0.123 $\chi^2/\text{NDF}: 3596.9/113$

- sign -1.818 ± 0.176 $\chi^2/\text{NDF}: 2594.0/56$

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: 968.218+/-0.165 χ^2/NDF : 269475.7/33

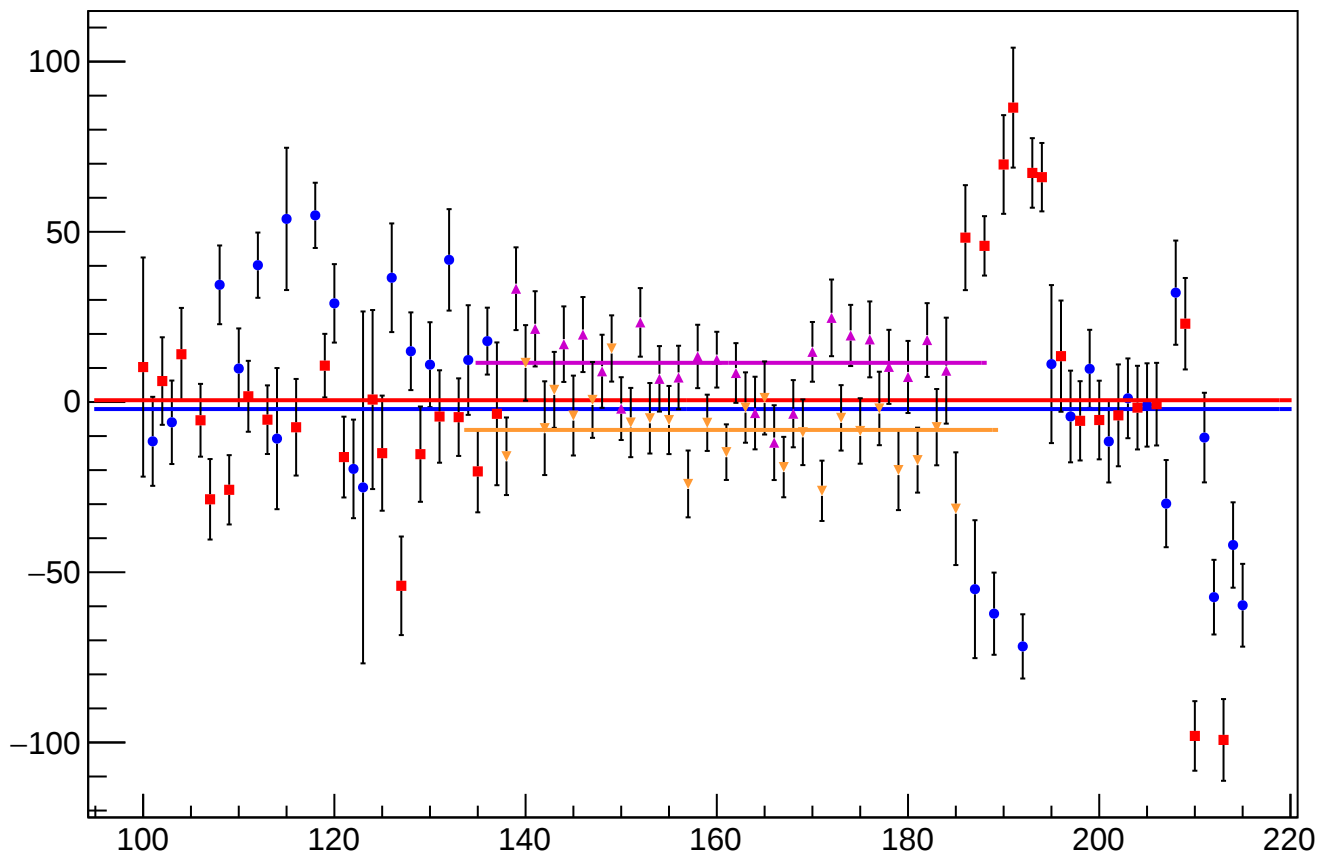
Left In: 1089.154+/-0.190 χ^2/NDF :1430478.5/22

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

All: 1014.721+/-0.087 χ^2/NDF : 3989552.4/11

- sign 1020.251+/-0.125 χ^2/NDF : 1930796.3/56

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: 0.532 ± 2.127 χ^2/NDF : 372.6/33

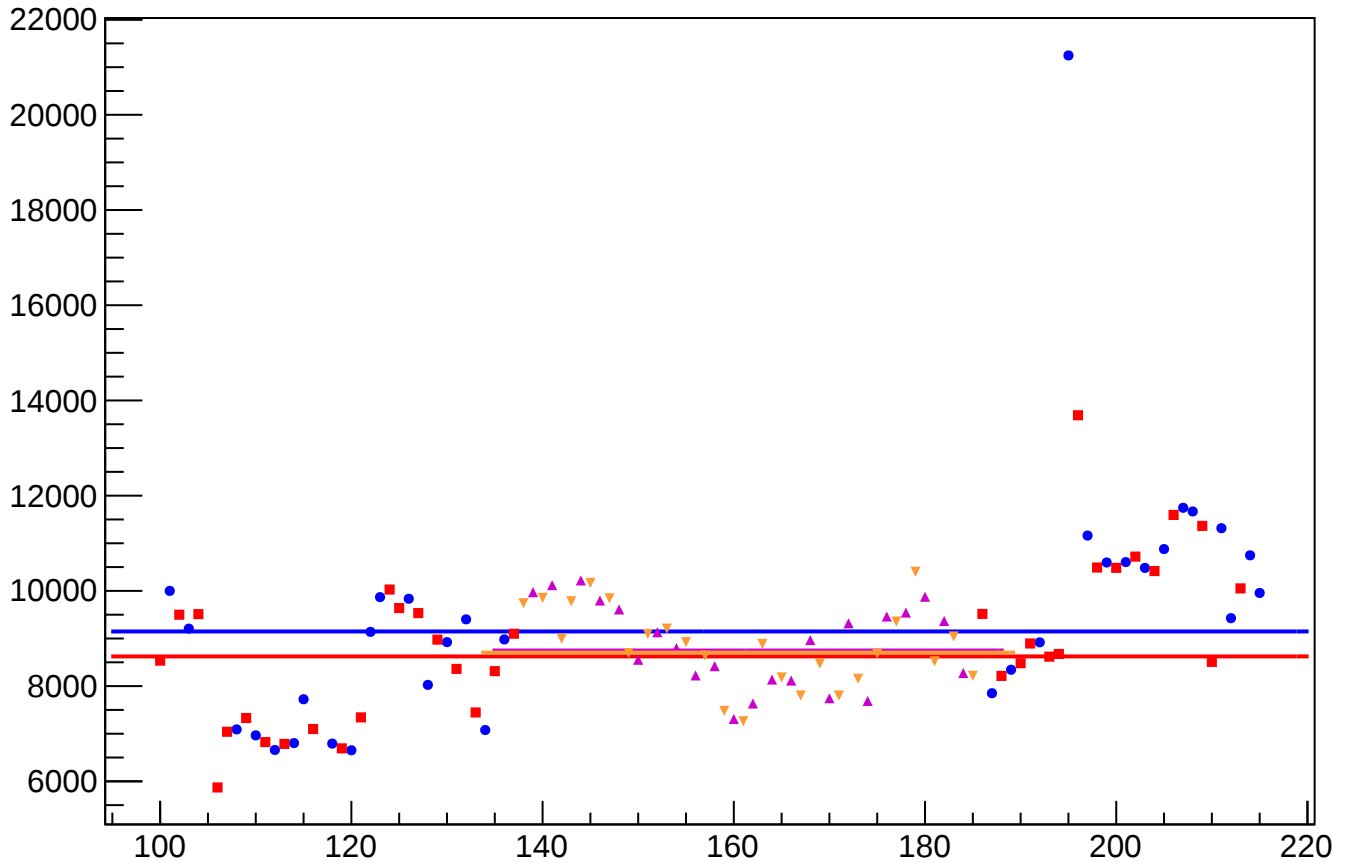
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

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

All: 0.358 ± 1.067 χ^2/NDF : 727.7/113

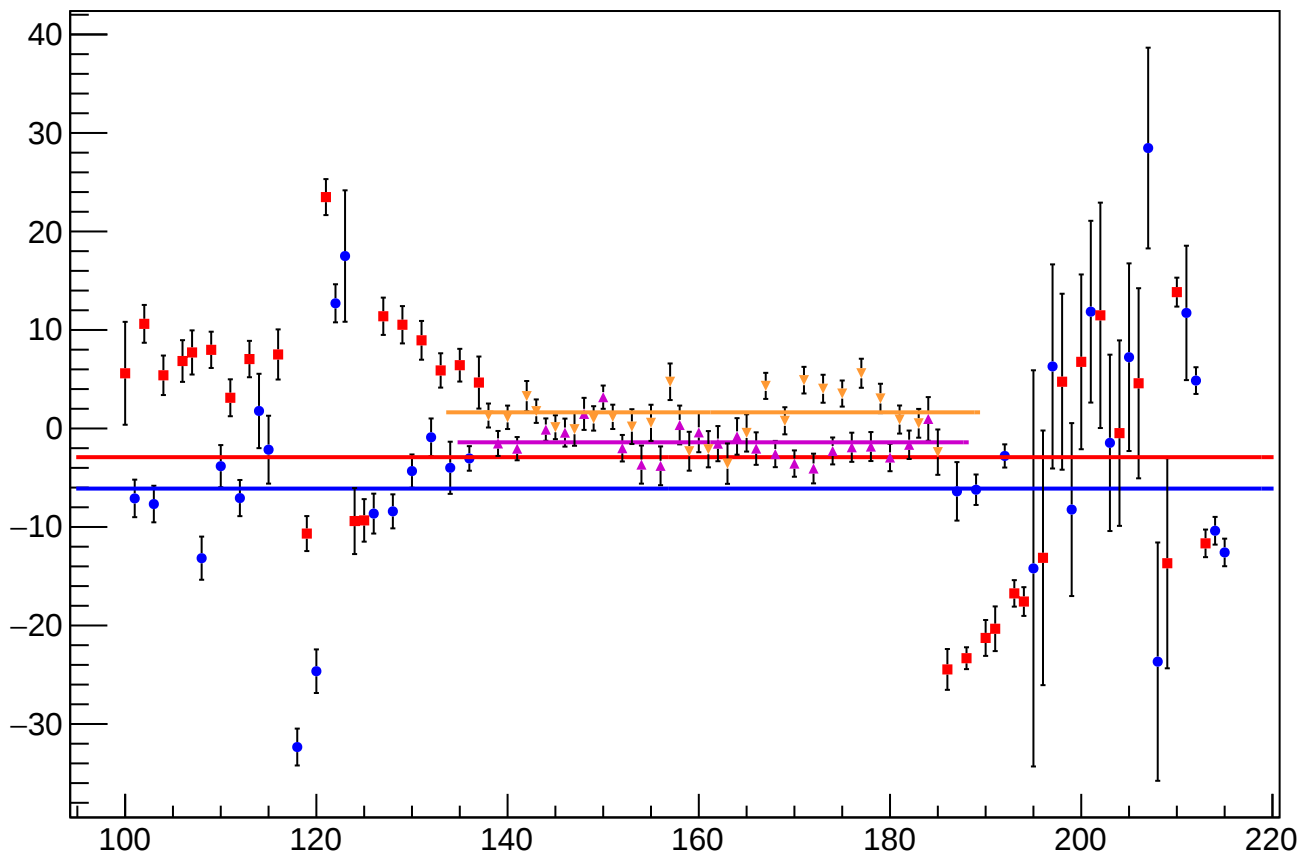
- sign 6.035 ± 1.502 χ^2/NDF : 407.0/56

diff_bpm0l08X_rms vs Slug



Right In: 9148.055+/-1.593	χ^2/NDF : 1550355.6/31	+ sign 8905.040+/-1.072	χ^2/NDF : 1925202.1/56
Left Out: 8704.193+/-1.449	χ^2/NDF : 332364.3/24	All: 8794.379+/-0.755	χ^2/NDF : 3441108.4/11
Right Out: 8623.696+/-1.504	χ^2/NDF : 1144277.5/33	- sign 8685.687+/-1.062	χ^2/NDF : 1494778.8/56
Left In: 8747.415+/-1.501	χ^2/NDF : 347110.4/22		

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: -2.913 ± 0.350 $\chi^2/\text{NDF}: 1642.6/33$

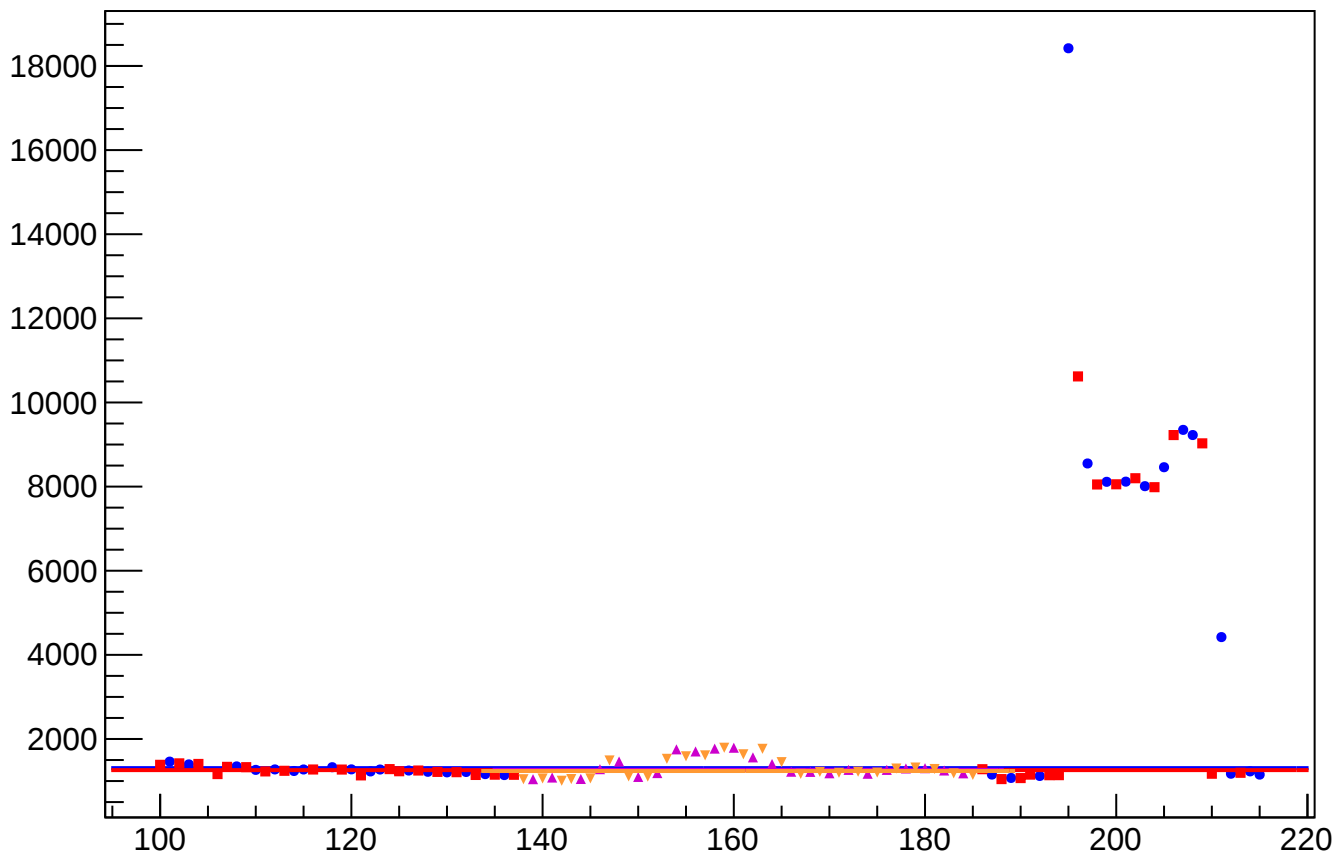
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

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

All: -1.685 ± 0.164 $\chi^2/\text{NDF}: 2551.4/113$

- sign -2.066 ± 0.232 $\chi^2/\text{NDF}: 1687.2/56$

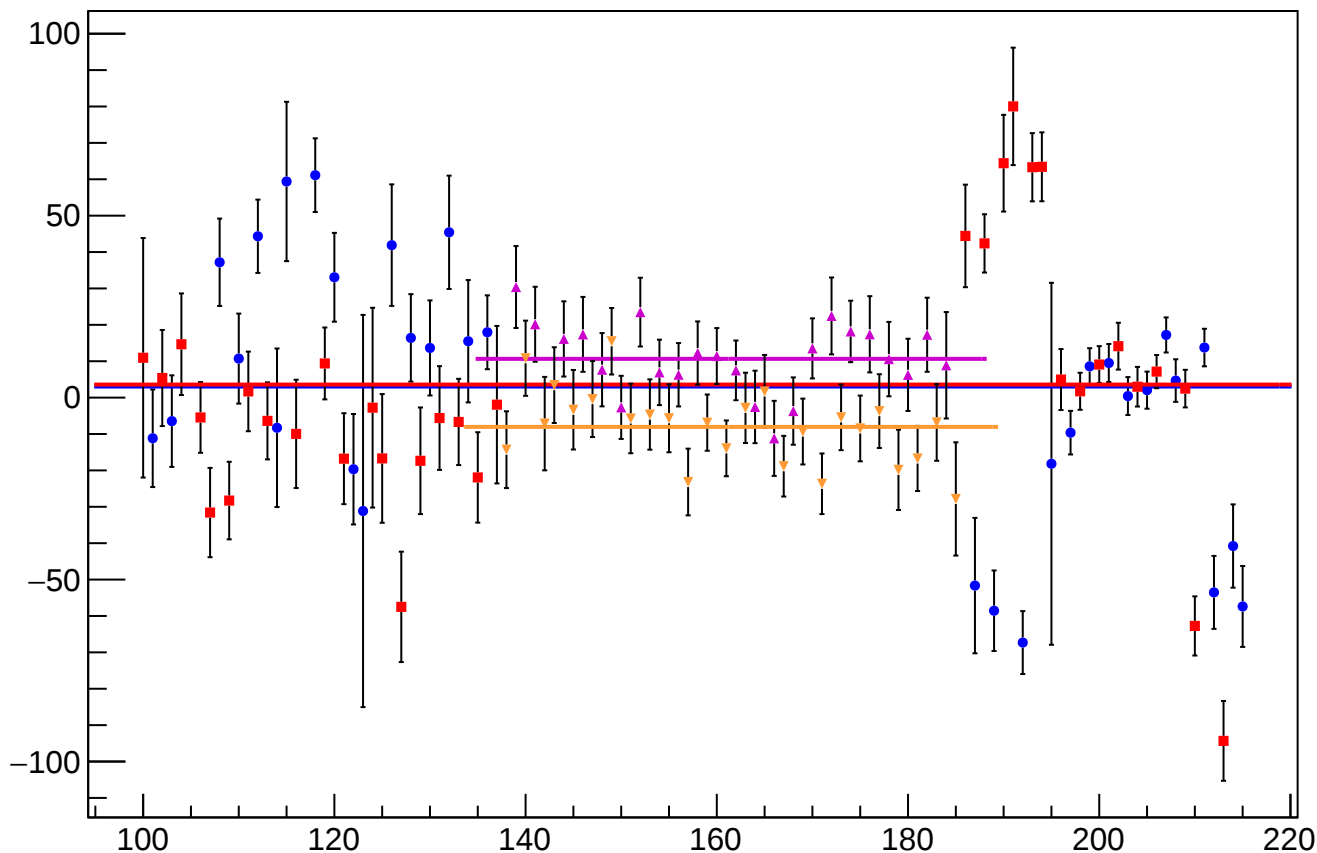
diff_bpm0l08Y_rms vs Slug



Right In: 1307.116 $\pm$ 0.265 χ^2 /NDF: 9721719.9/31
 Left Out: 1238.437 $\pm$ 0.208 χ^2 /NDF: 965173.0/24
 Right Out: 1259.864 $\pm$ 0.247 χ^2 /NDF: 7767939.5/33
 Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1264.570 $\pm$ 0.163 χ^2 /NDF: 10728532.2/56
 All: 1263.849 $\pm$ 0.116 χ^2 /NDF: 19341977.8/100
 - sign 1263.125 $\pm$ 0.164 χ^2 /NDF: 8613406.5/56

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: 3.586 ± 1.540 χ^2/NDF : 355.3/33

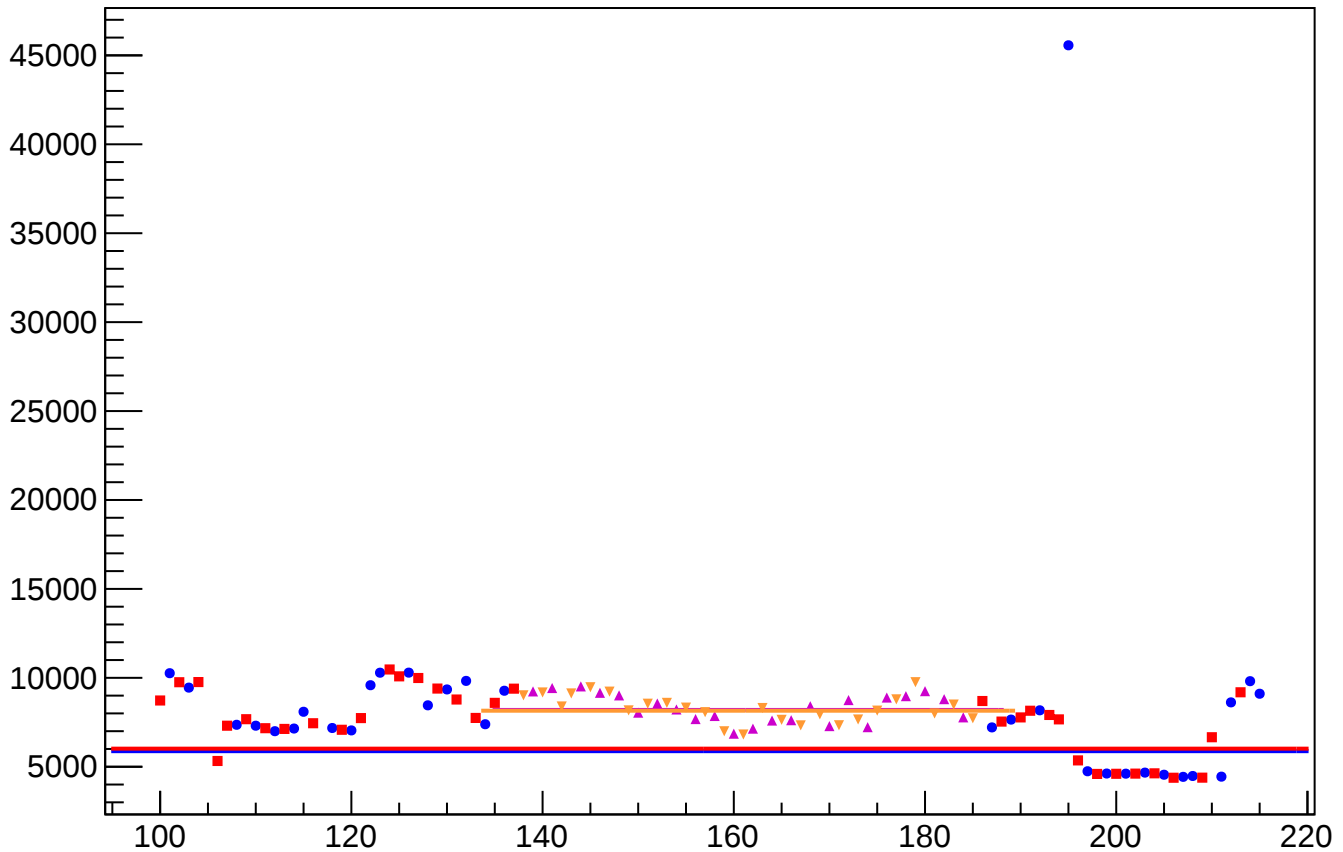
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

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

All: 2.423 ± 0.851 χ^2/NDF : 746.3/113

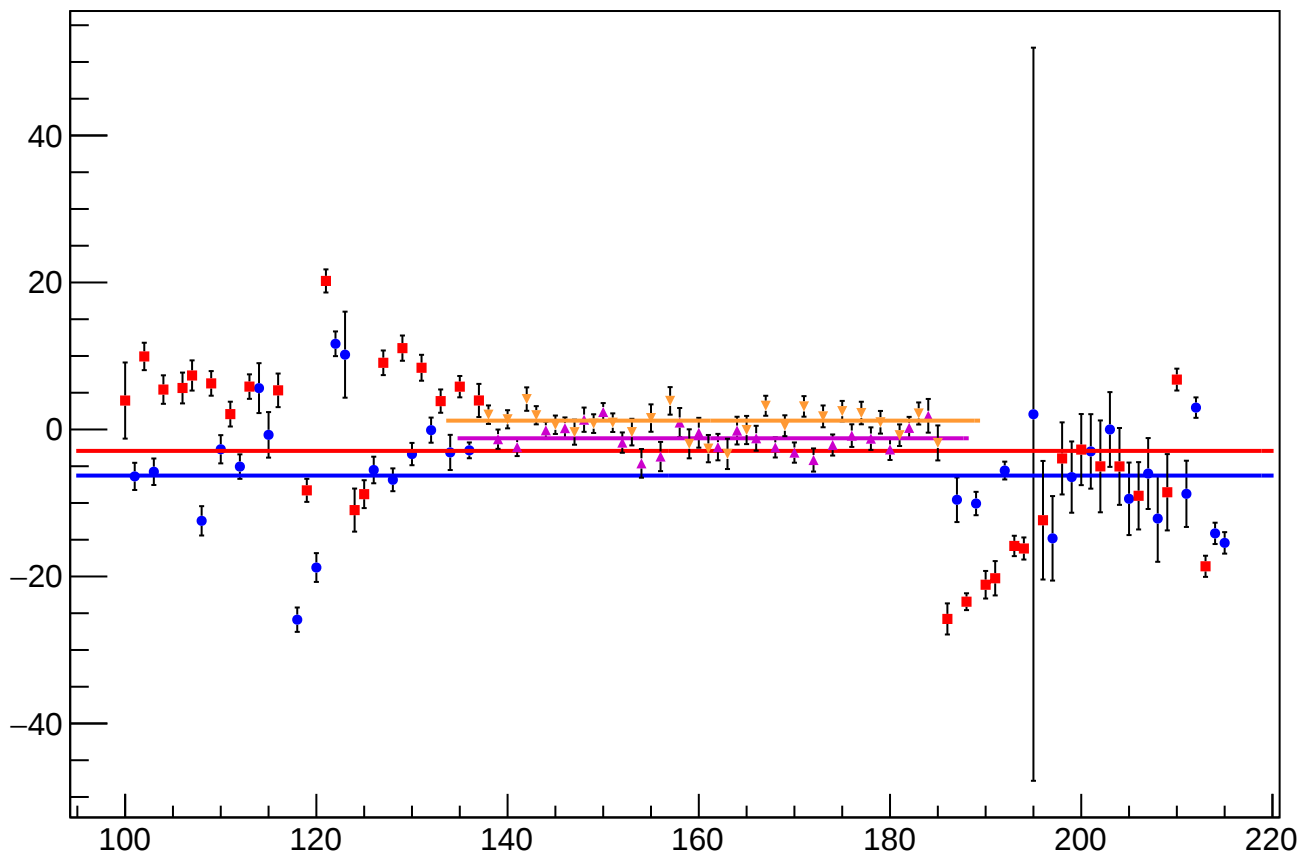
- sign 6.236 ± 1.217 χ^2/NDF : 384.6/56

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: 6791.551+/-0.602	χ^2/NDF : 11060696.8/100
Right Out: 6017.637+/-1.089	χ^2/NDF : 2717282.9/33	- sign 6833.659+/-0.861	χ^2/NDF : 4553881.2/56
Left In: 8193.636+/-1.405	χ^2/NDF : 338377.6/22		

diff_bpm0l09Y_mean vs Slug



Right In: -6.272 ± 0.350 $\chi^2/\text{NDF}: 486.6/31$

Left Out: 1.203 ± 0.302 $\chi^2/\text{NDF}: 29.9/24$

Right Out: -2.914 ± 0.330 $\chi^2/\text{NDF}: 1574.7/33$

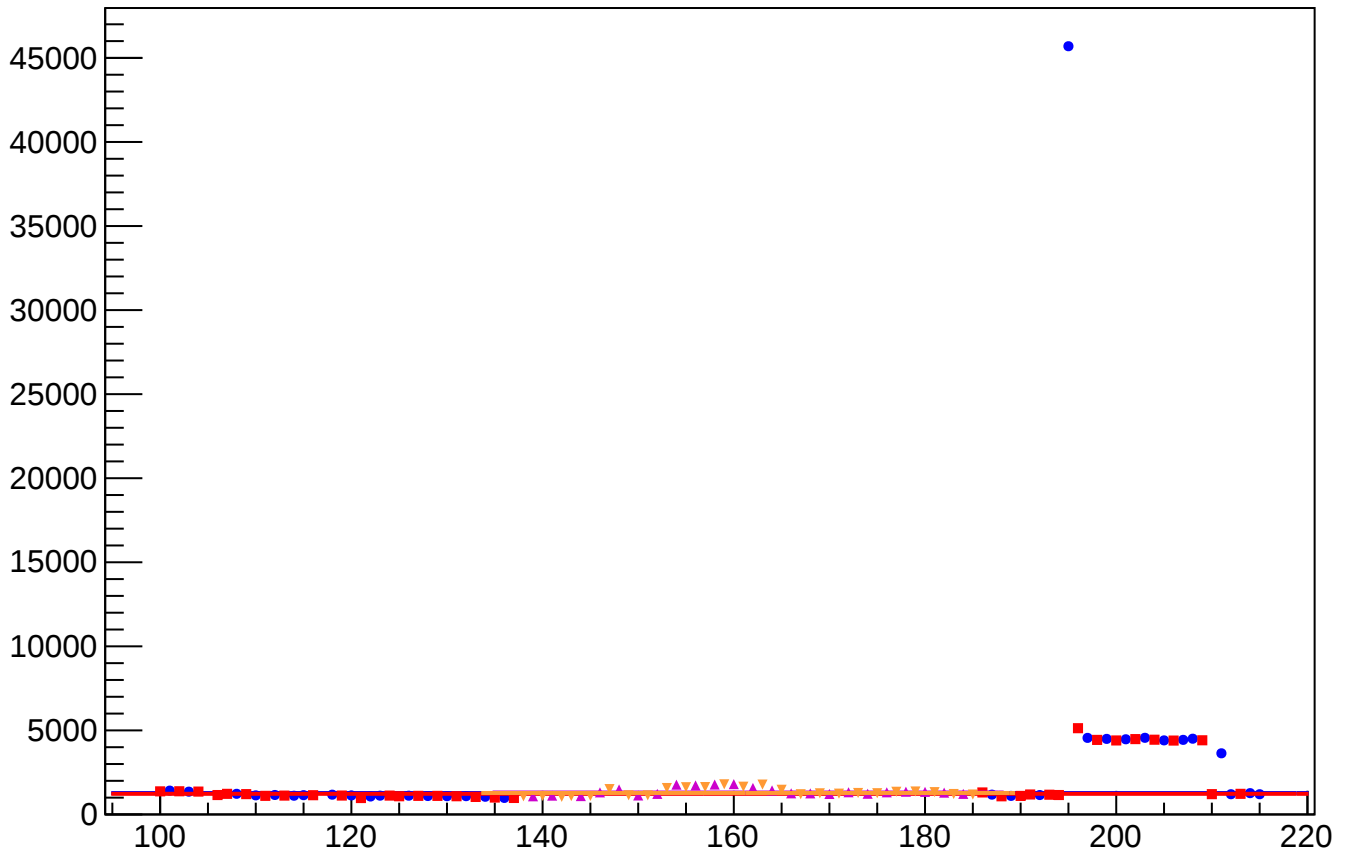
Left In: -1.198 ± 0.318 $\chi^2/\text{NDF}: 31.2/22$

+ sign -1.996 ± 0.229 $\chi^2/\text{NDF}: 778.0/56$

All: -2.011 ± 0.162 $\chi^2/\text{NDF}: 2397.9/113$

- sign -2.025 ± 0.229 $\chi^2/\text{NDF}: 1619.9/56$

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: 1227.876 $\pm$ 0.233 χ^2/NDF : 5501145.5/33

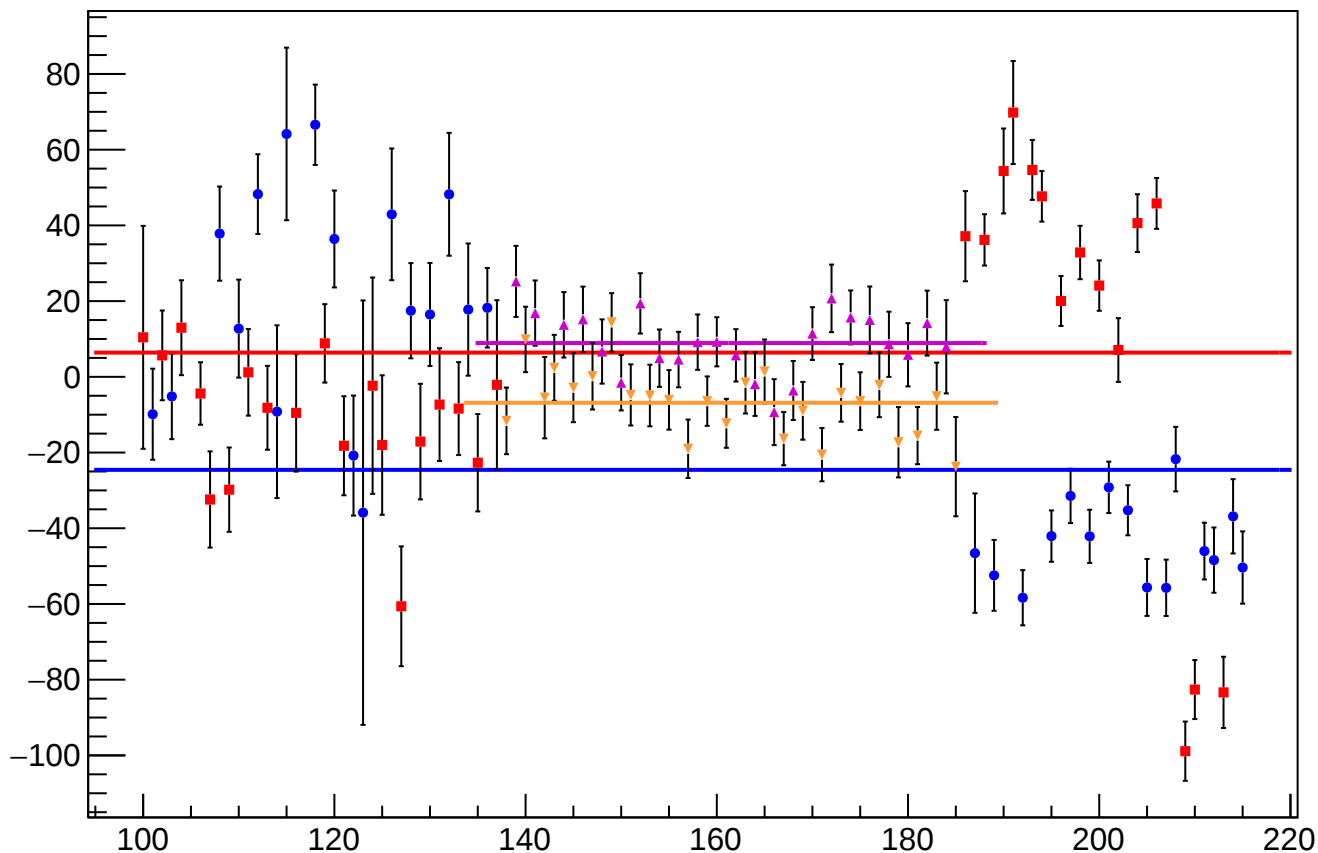
Left In: 1305.541 $\pm$ 0.225 χ^2/NDF : 760450.8/22

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

All: 1271.916 $\pm$ 0.114 χ^2/NDF : 15176066.4/100

- sign 1268.085 $\pm$ 0.162 χ^2/NDF : 6319076.1/56

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: 6.408 ± 1.681 $\chi^2/\text{NDF}: 681.9/33$

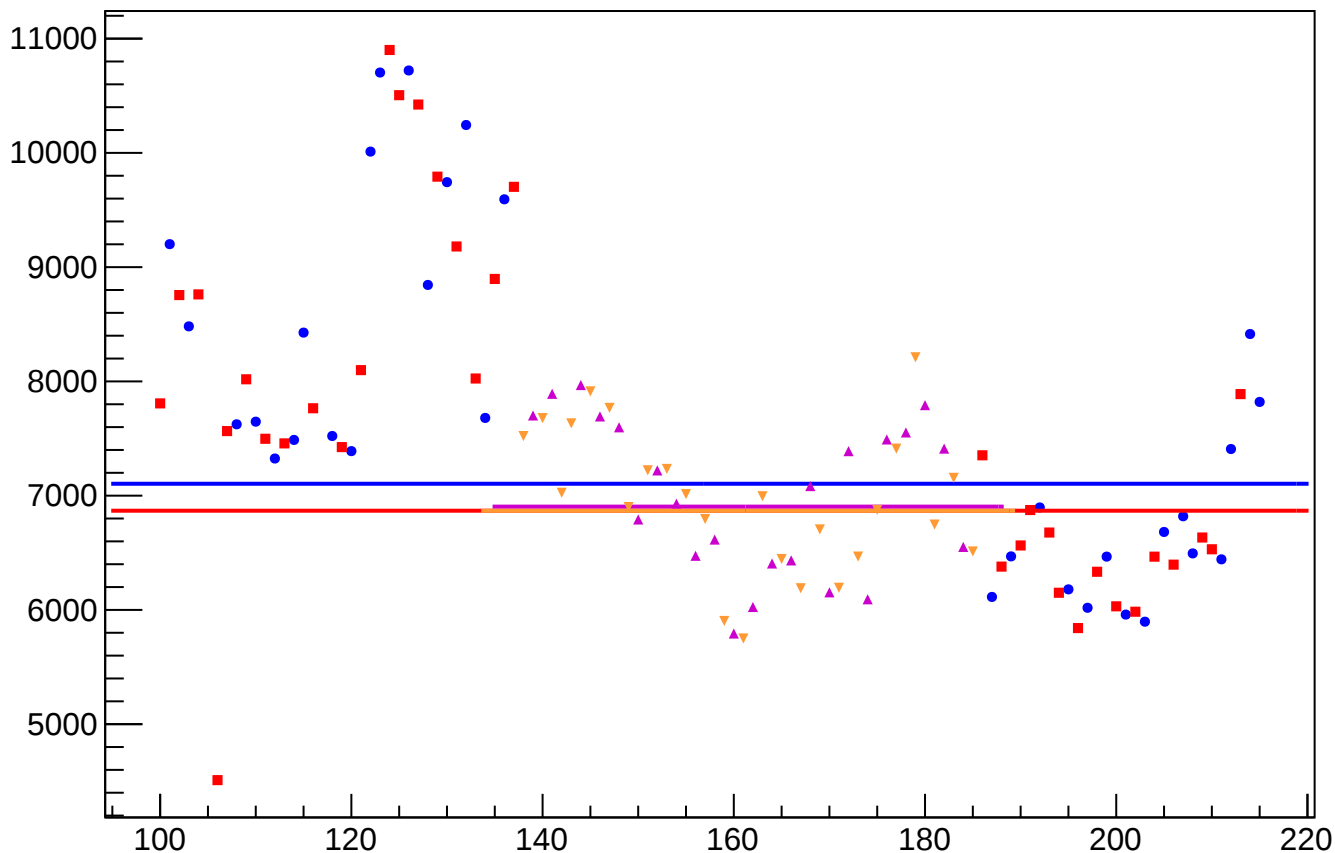
Left In: 8.923 ± 1.674 $\chi^2/\text{NDF}: 21.8/22$

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

All: -3.753 ± 0.837 $\chi^2/\text{NDF}: 1358.7/113$

- sign 7.670 ± 1.186 $\chi^2/\text{NDF}: 704.9/56$

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: 6868.254+/-1.188 χ^2/NDF : 968536.7/33

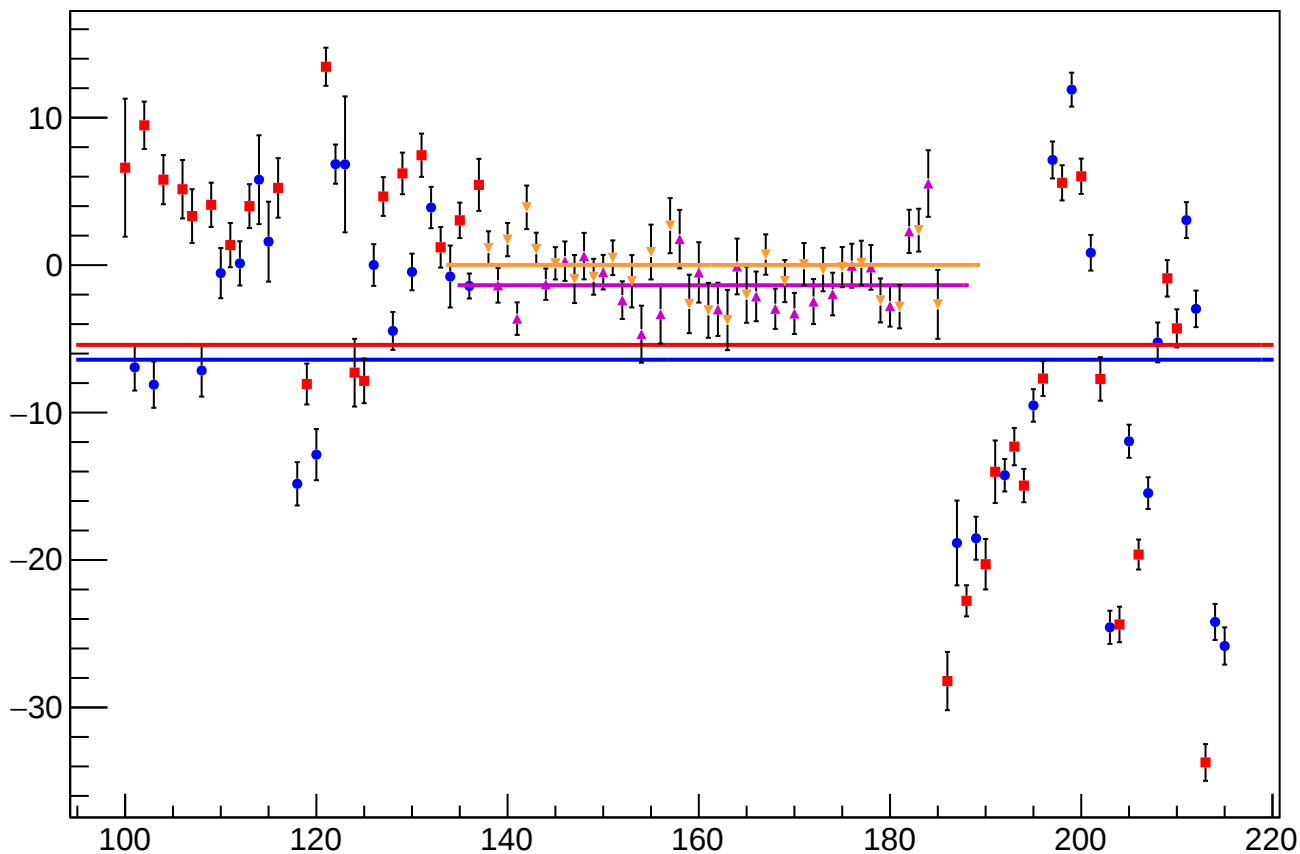
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

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

All: 6932.044+/-0.592 χ^2/NDF : 2528968.7/11

- sign 6886.251+/-0.839 χ^2/NDF : 1294906.4/56

diff_bpm0l10Y_mean vs Slug



Right In: -6.414 ± 0.240 $\chi^2/\text{NDF}: 1779.6/31$

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

Right Out: -5.409 ± 0.242 $\chi^2/\text{NDF}: 2604.0/33$

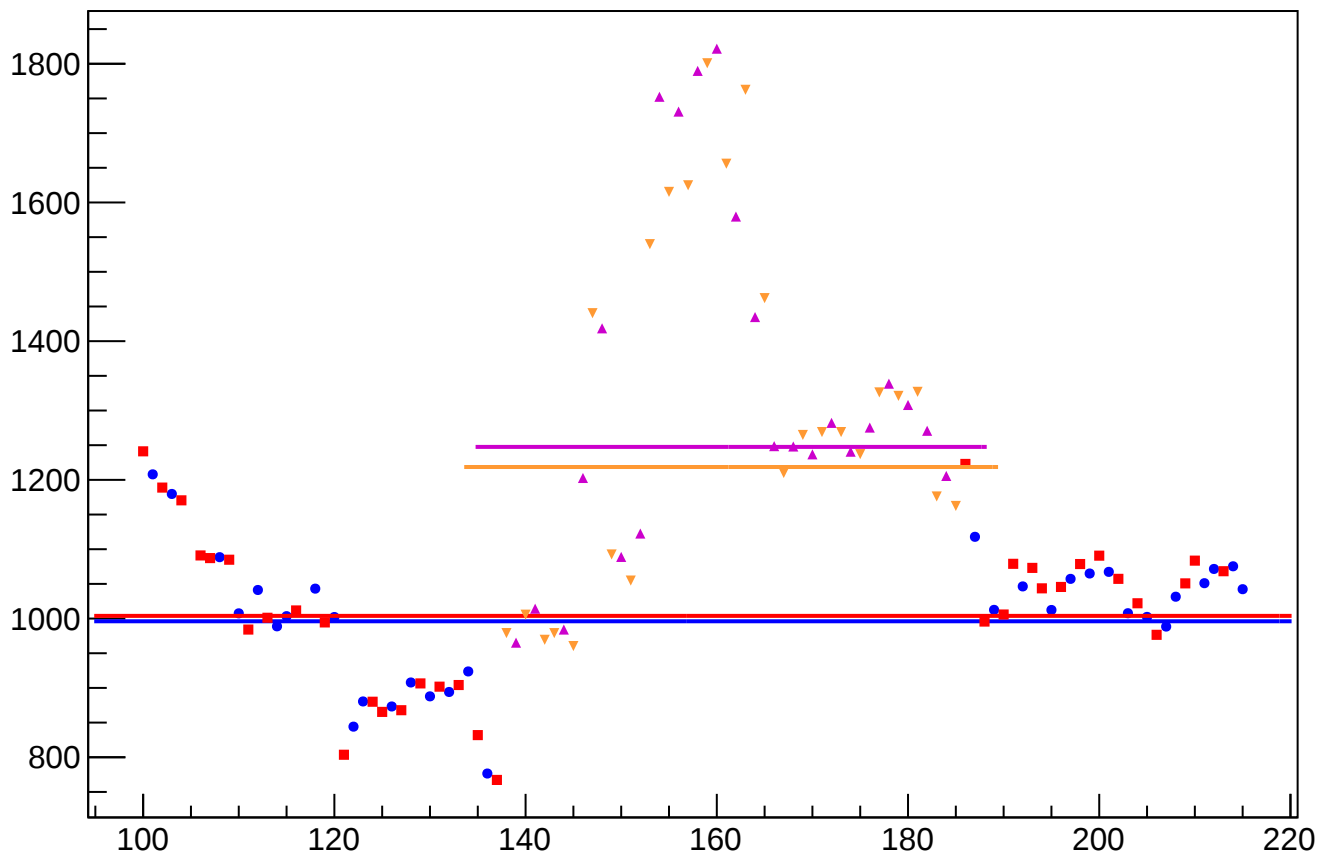
Left In: -1.365 ± 0.306 $\chi^2/\text{NDF}: 38.5/22$

+ sign -3.803 ± 0.185 $\chi^2/\text{NDF}: 2106.5/56$

All: -3.825 ± 0.132 $\chi^2/\text{NDF}: 4856.6/113$

- sign -3.847 ± 0.190 $\chi^2/\text{NDF}: 2750.0/56$

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: 1003.885+/-0.171 χ^2/NDF : 341275.7/33

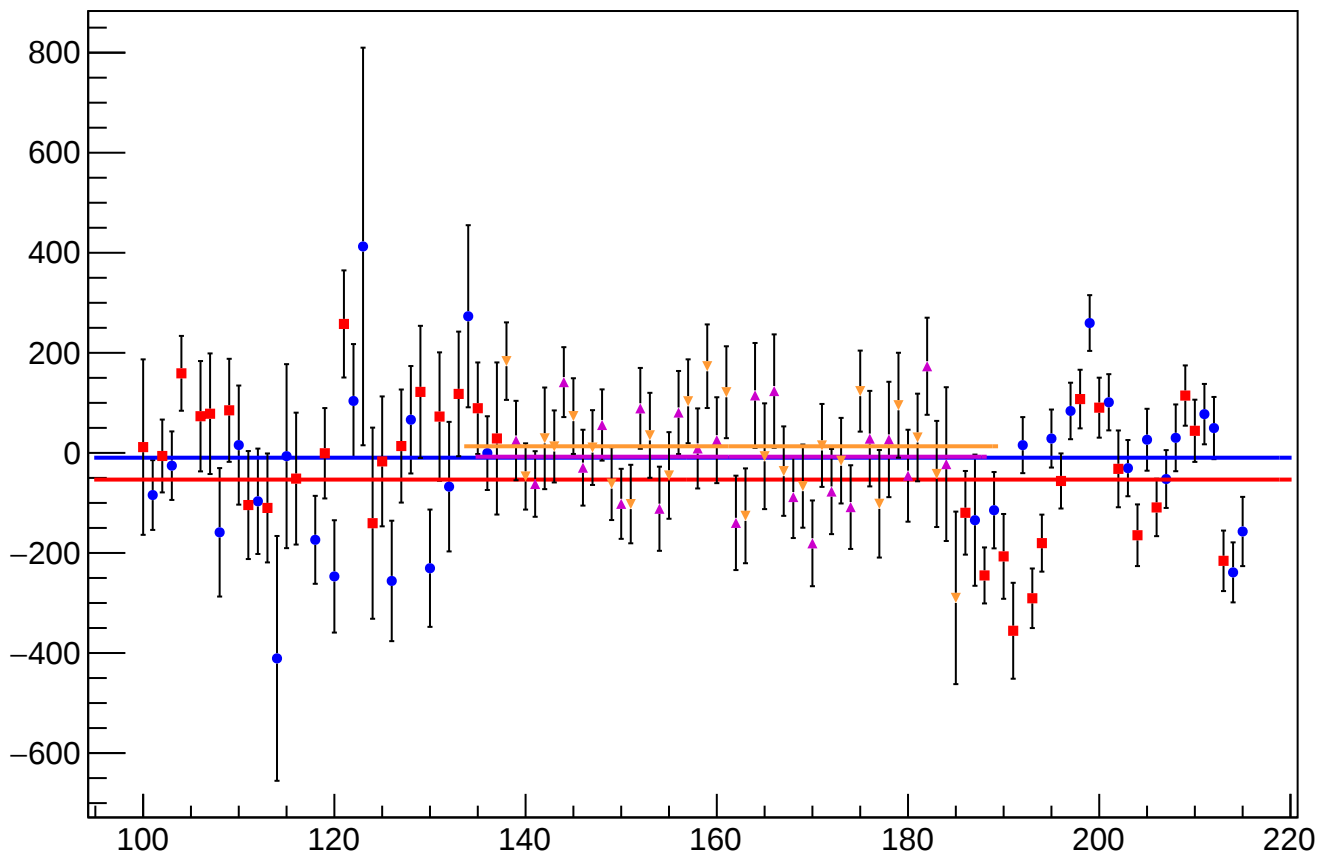
Left In: 1247.538+/-0.216 χ^2/NDF : 1073390.3/22

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

All: 1092.063+/-0.094 χ^2/NDF : 4503444.5/11

- sign 1098.007+/-0.134 χ^2/NDF : 2195414.5/56

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: -53.343 ± 13.688 χ^2/NDF : 111.6/33

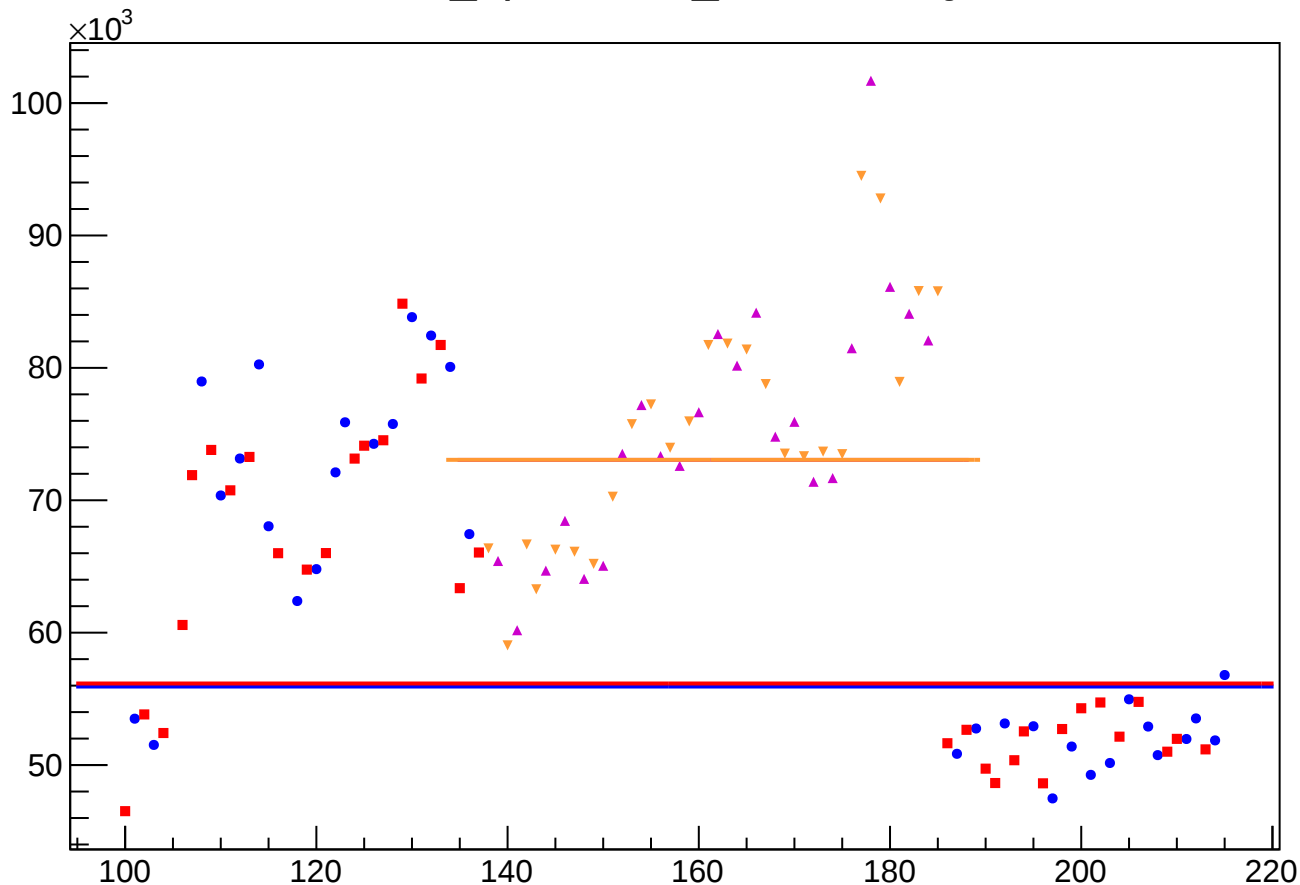
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

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

All: -18.224 ± 7.594 χ^2/NDF : 261.0/113

- sign -36.196 ± 10.822 χ^2/NDF : 143.9/56

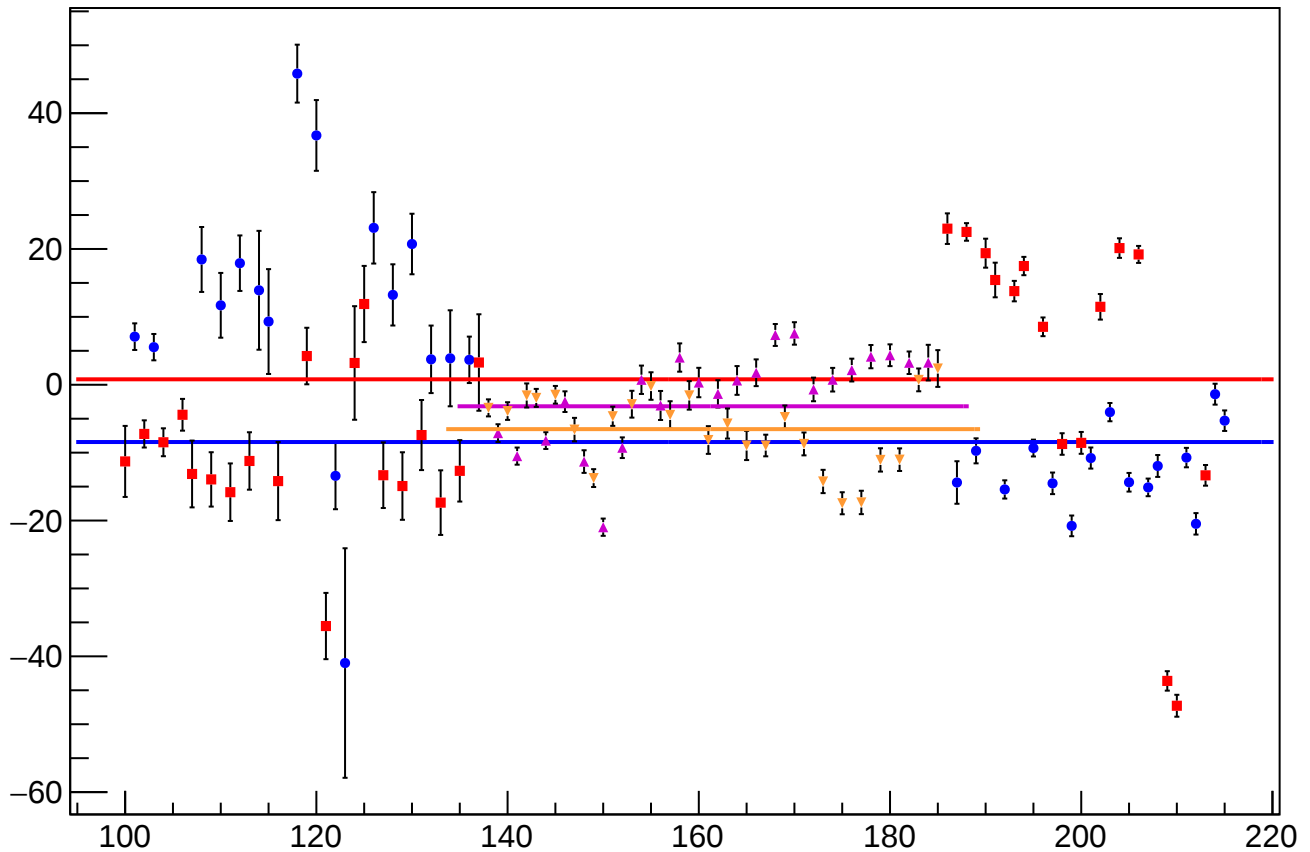
diff_bpm0r03X_rms vs Slug



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: 56159.936 $\pm$ 9.679 χ^2 /NDF: 770527.2/33
 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: 62520.561 $\pm$ 5.369 χ^2 /NDF: 4886389.4/1
 - sign 62492.102 $\pm$ 7.652 χ^2 /NDF: 2375317.2/56

diff_bpm0r03Y_mean vs Slug



Right In: -8.435 ± 0.359 $\chi^2/\text{NDF}: 843.2/31$

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

Right Out: 0.802 ± 0.365 $\chi^2/\text{NDF}: 3380.6/33$

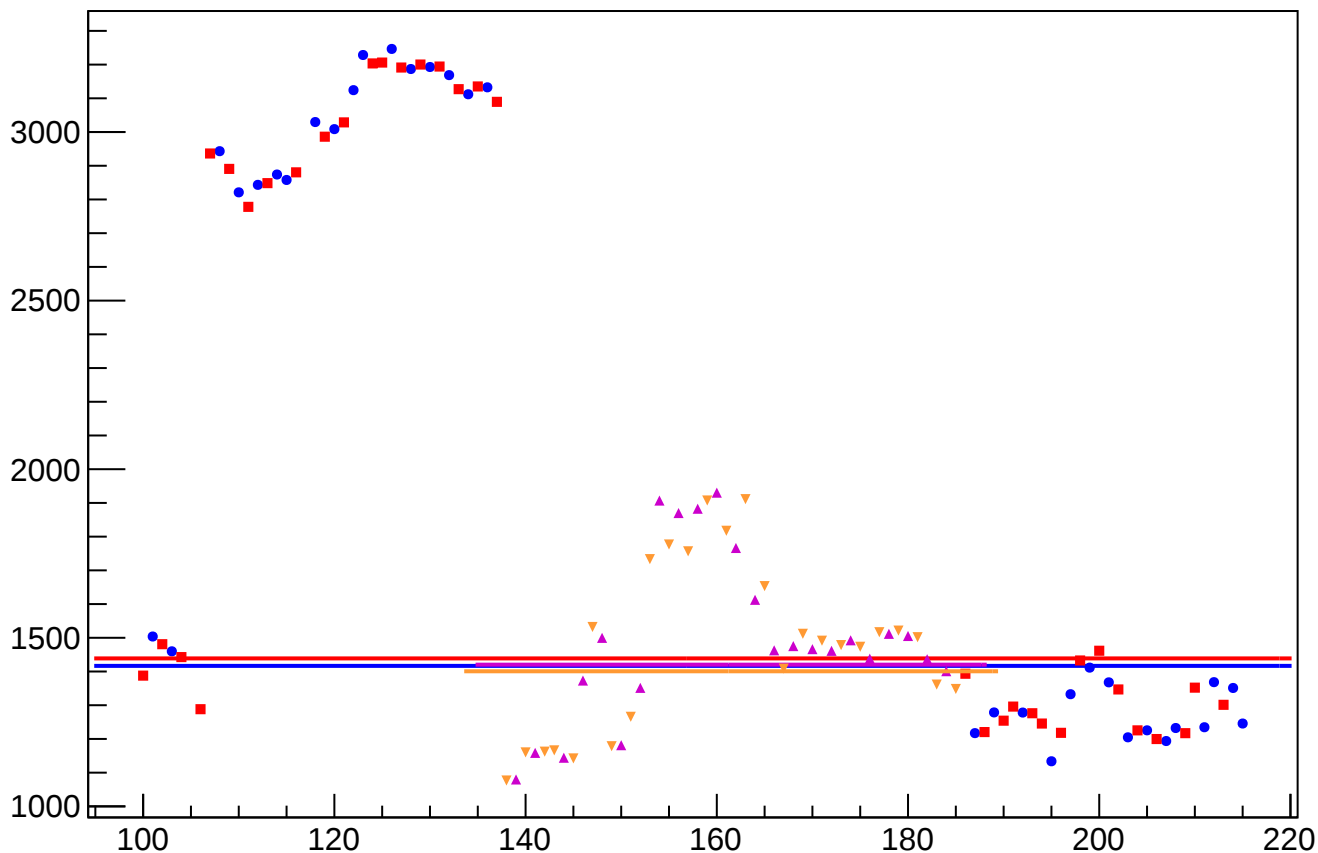
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -7.412 ± 0.244 $\chi^2/\text{NDF}: 1111.0/56$

All: -4.446 ± 0.175 $\chi^2/\text{NDF}: 5347.3/113$

- sign -1.289 ± 0.251 $\chi^2/\text{NDF}: 3930.2/56$

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: 1438.844 $\pm$ 0.258 χ^2 /NDF: 3553953.0/33

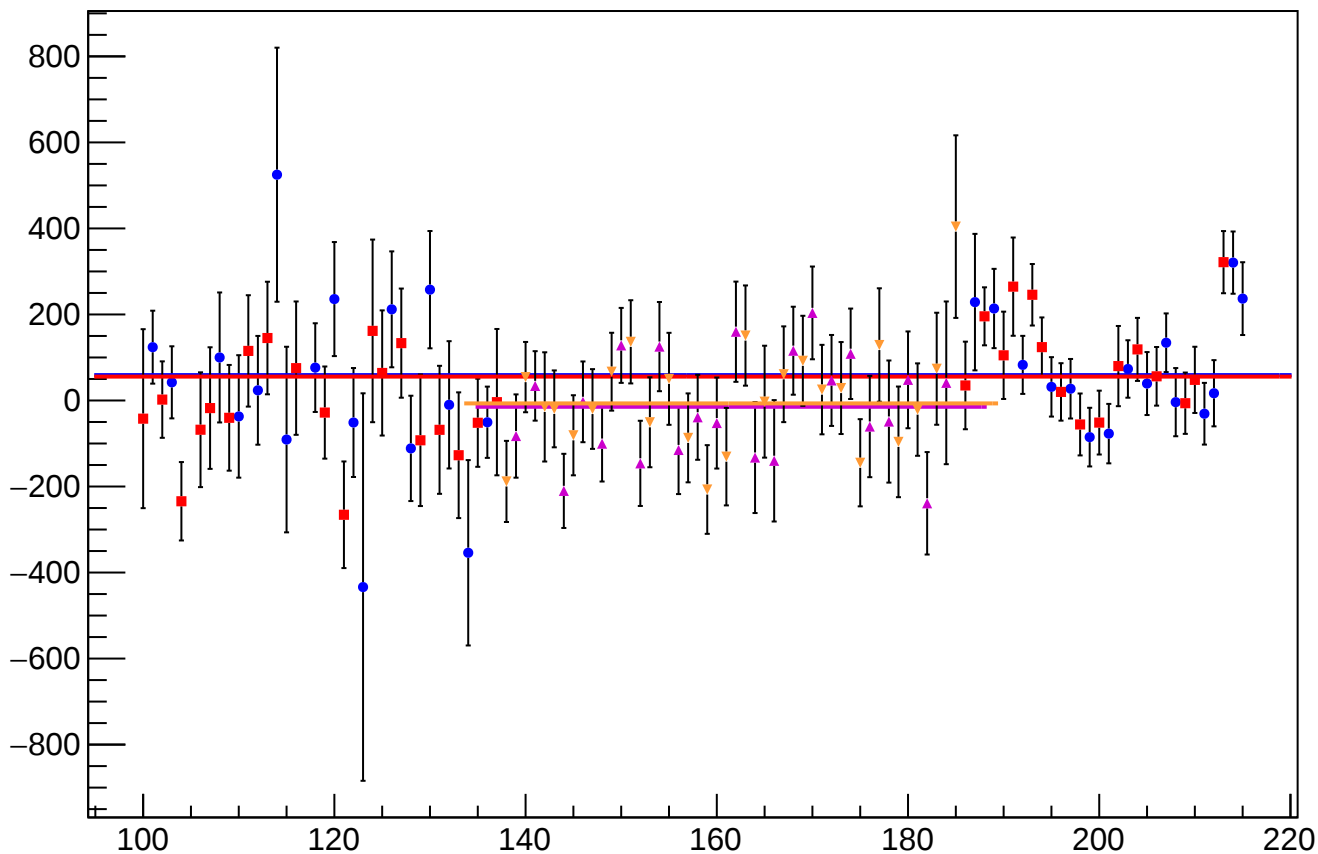
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF: 905186.2/22

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

All: 1418.228 $\pm$ 0.124 χ^2 /NDF: 9121466.4/11

- sign 1429.077 $\pm$ 0.178 χ^2 /NDF: 4461858.1/56

diff_bpm0r05X_mean vs Slug



Right In: 58.999 ± 16.275 χ^2/NDF : 53.1/31

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

Right Out: 55.533 ± 16.399 χ^2/NDF : 61.4/33

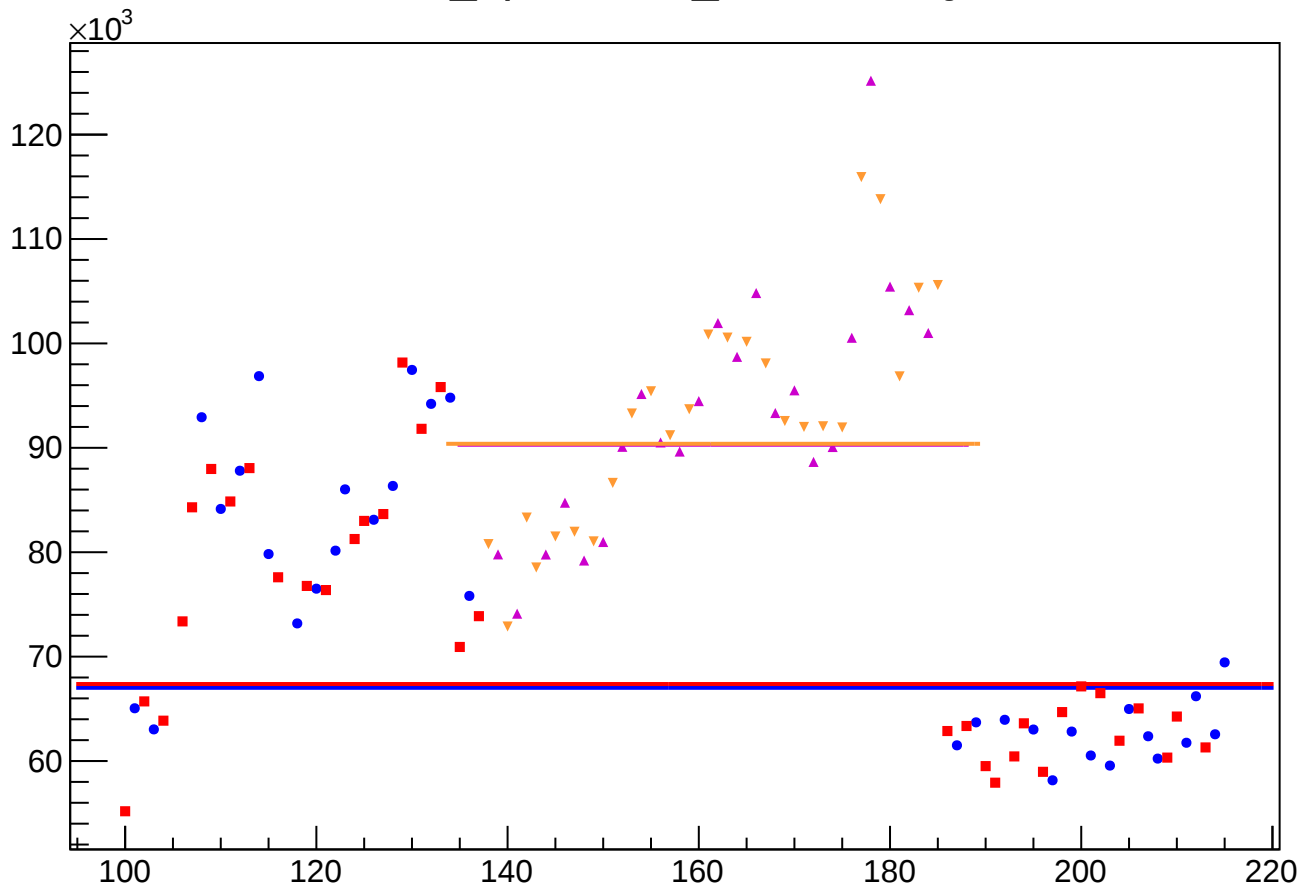
Left In: -14.611 ± 21.846 χ^2/NDF : 29.8/22

+ sign 34.624 ± 12.912 χ^2/NDF : 83.8/56

All: 32.472 ± 9.201 χ^2/NDF : 181.7/113

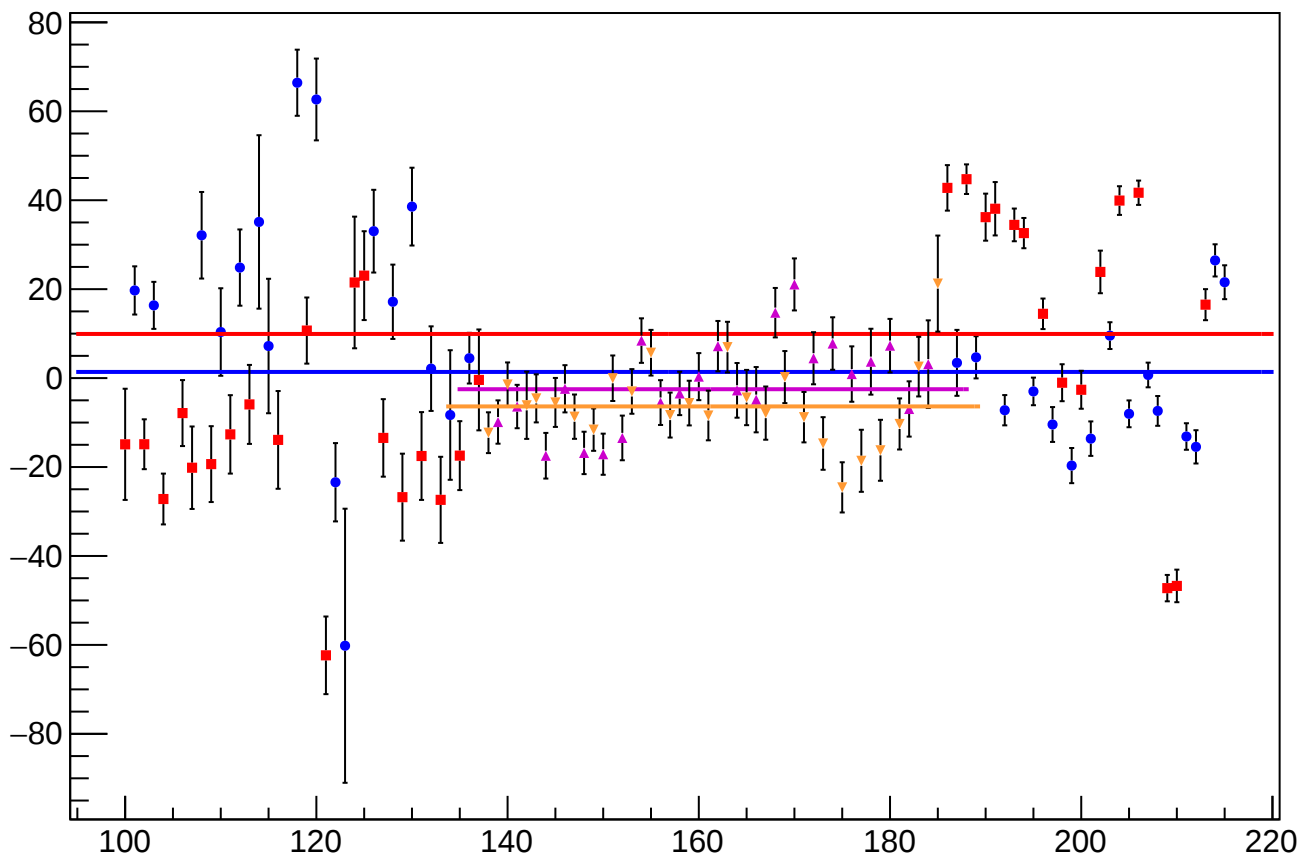
- sign 30.253 ± 13.115 χ^2/NDF : 97.8/56

diff_bpm0r05X_rms vs Slug



Right In: 67014.706 $\pm$ 11.508	χ^2 /NDF: 663271.5/31	+ sign 75673.554 $\pm$ 9.130	χ^2 /NDF: 2652953.6/56
Left Out: 90384.853 $\pm$ 15.000	χ^2 /NDF: 461648.2/24	All: 75654.649 $\pm$ 6.506	χ^2 /NDF: 5169814.4/1
Right Out: 67375.354 $\pm$ 11.596	χ^2 /NDF: 647684.2/33	- sign 75635.145 $\pm$ 9.274	χ^2 /NDF: 2516852.1/56
Left In: 90293.591 $\pm$ 15.448	χ^2 /NDF: 461337.5/22		

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: 9.927 ± 0.859 χ^2/NDF : 1383.2/33

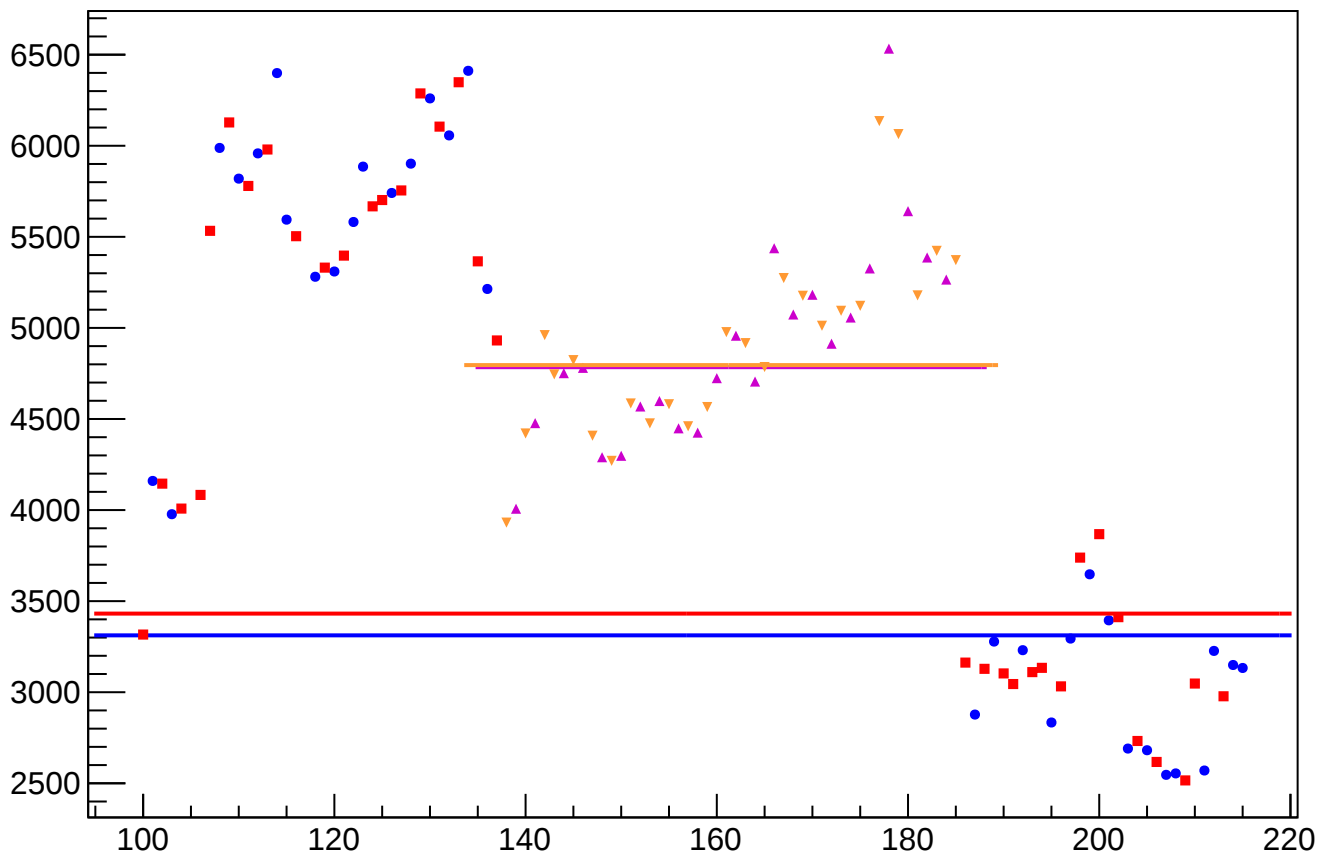
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

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

All: 1.964 ± 0.479 χ^2/NDF : 2076.4/113

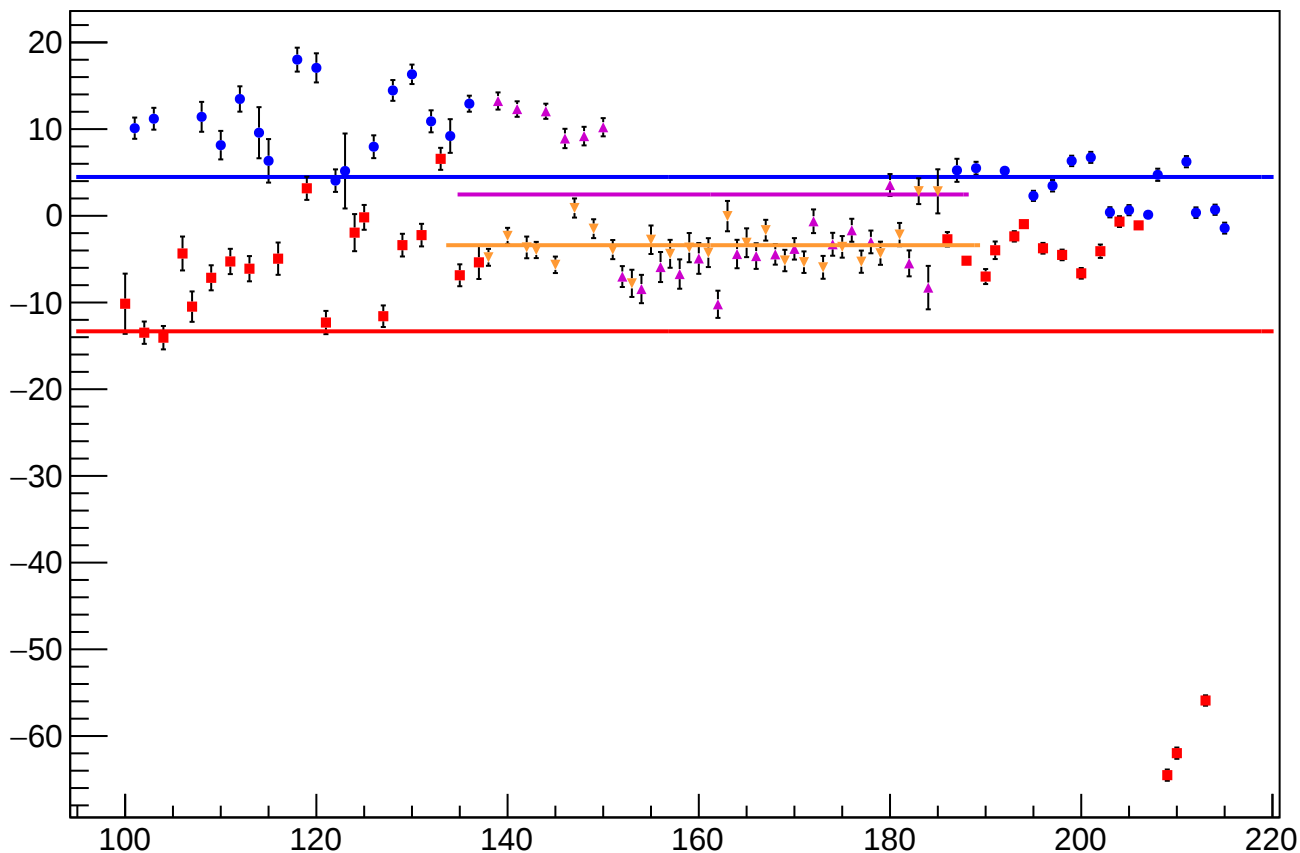
- sign 5.503 ± 0.690 χ^2/NDF : 1536.0/56

diff_bpm0r05Y_rms vs Slug



Right In: 3312.184+/-0.586	χ^2/NDF : 2695323.3/31	+ sign 3834.556+/-0.472	χ^2/NDF : 5314911.0/56
Left Out: 4795.847+/-0.795	χ^2/NDF : 361249.7/24		
Right Out: 3431.606+/-0.608	χ^2/NDF : 2574535.6/33	All: 3872.542+/-0.339	χ^2/NDF : 10024672.4/100
Left In: 4784.434+/-0.817	χ^2/NDF : 357507.2/22	- sign 3913.167+/-0.488	χ^2/NDF : 4696332.2/56

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: -13.323 ± 0.149 χ^2/NDF : 20616.4/33

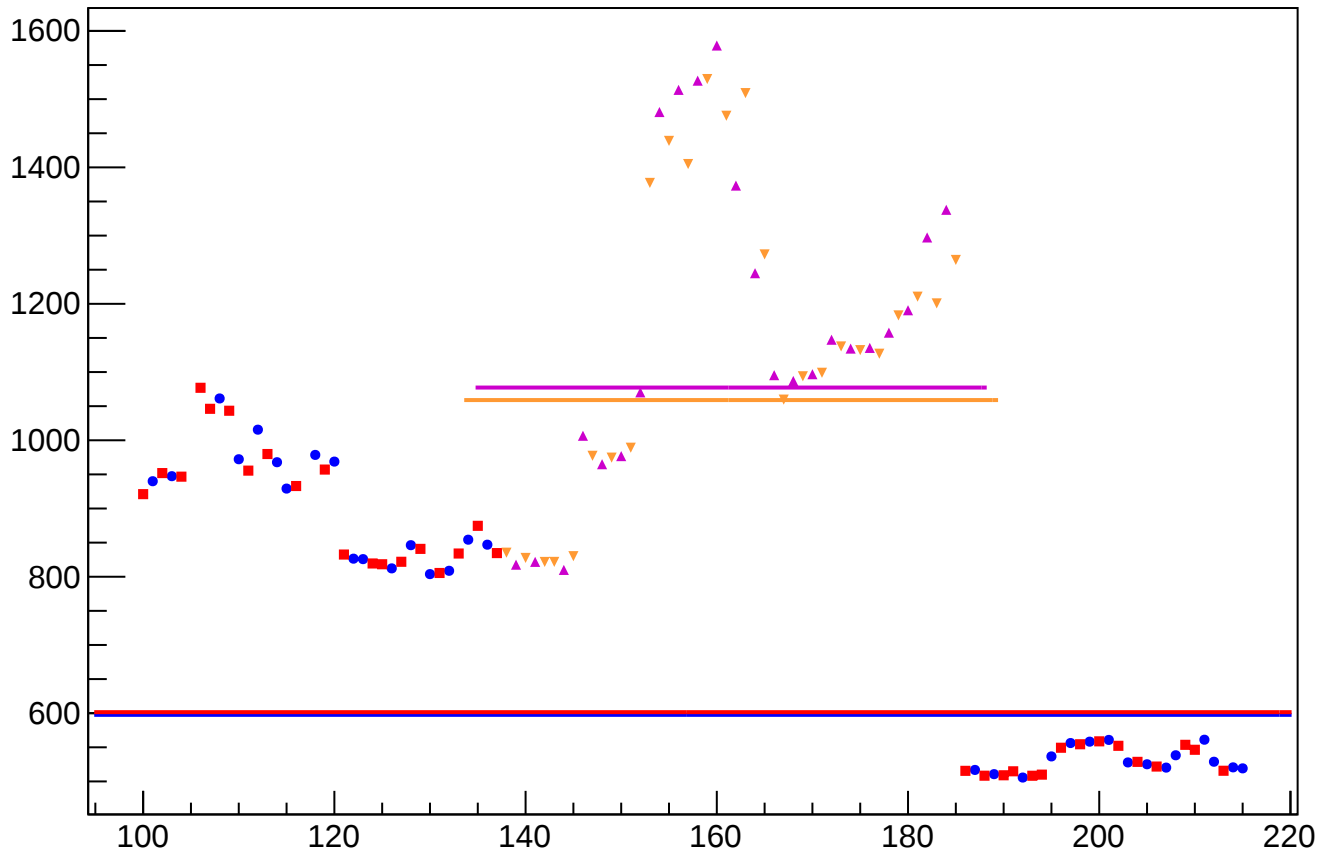
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

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

All: -3.394 ± 0.091 χ^2/NDF : 30355.0/113

- sign -9.518 ± 0.130 χ^2/NDF : 24249.5/56

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: 601.515 $\pm$ 0.105 χ^2 /NDF: 2085760.4/33

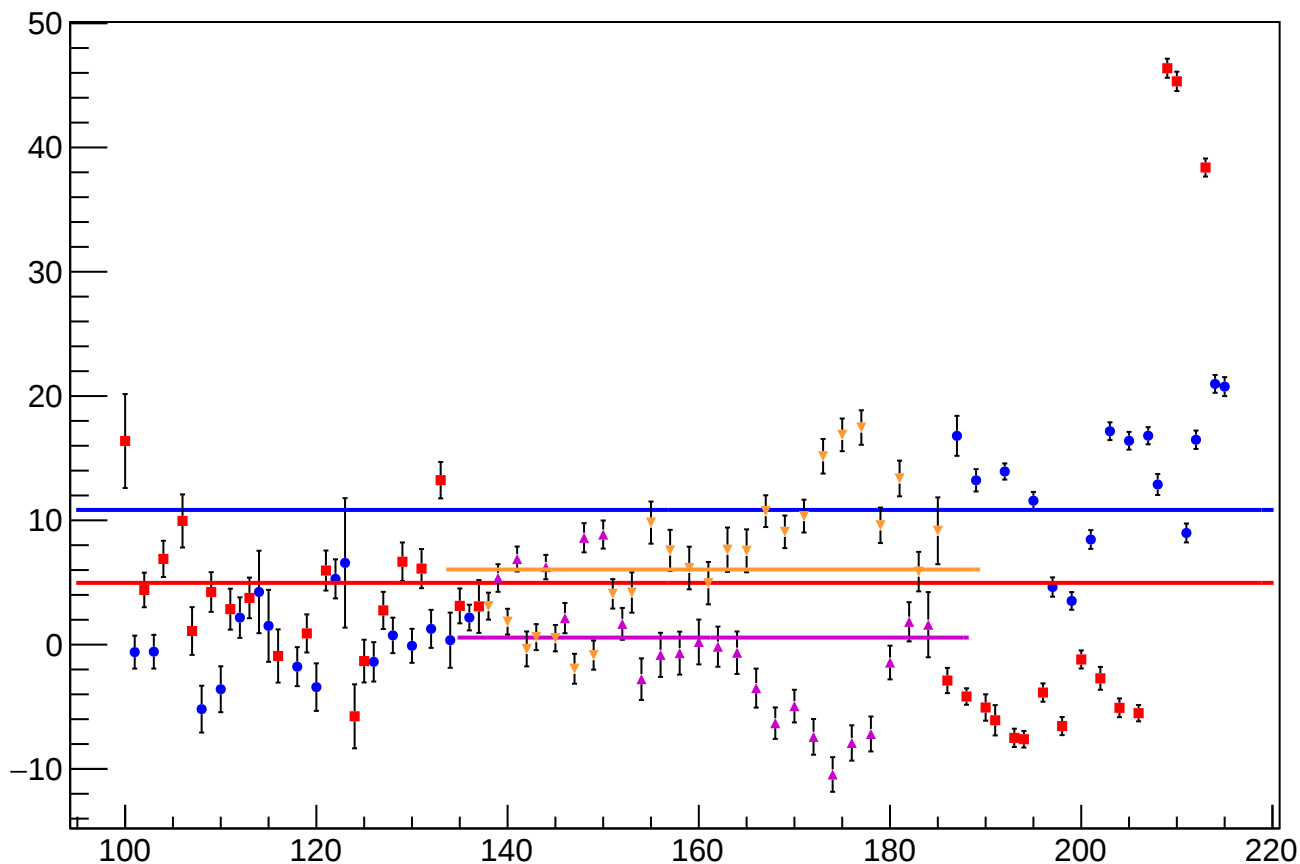
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF:1280349.9/22

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

All: 715.477 $\pm$ 0.064 χ^2 /NDF: 16572066.2/1

- sign 716.212 $\pm$ 0.092 χ^2 /NDF: 8282111.6/56

diff_bpm2i01Y_mean vs Slug



Right In: 10.838 ± 0.176 χ^2/NDF : 1638.3/31

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

Right Out: 4.969 ± 0.178 χ^2/NDF : 9854.6/33

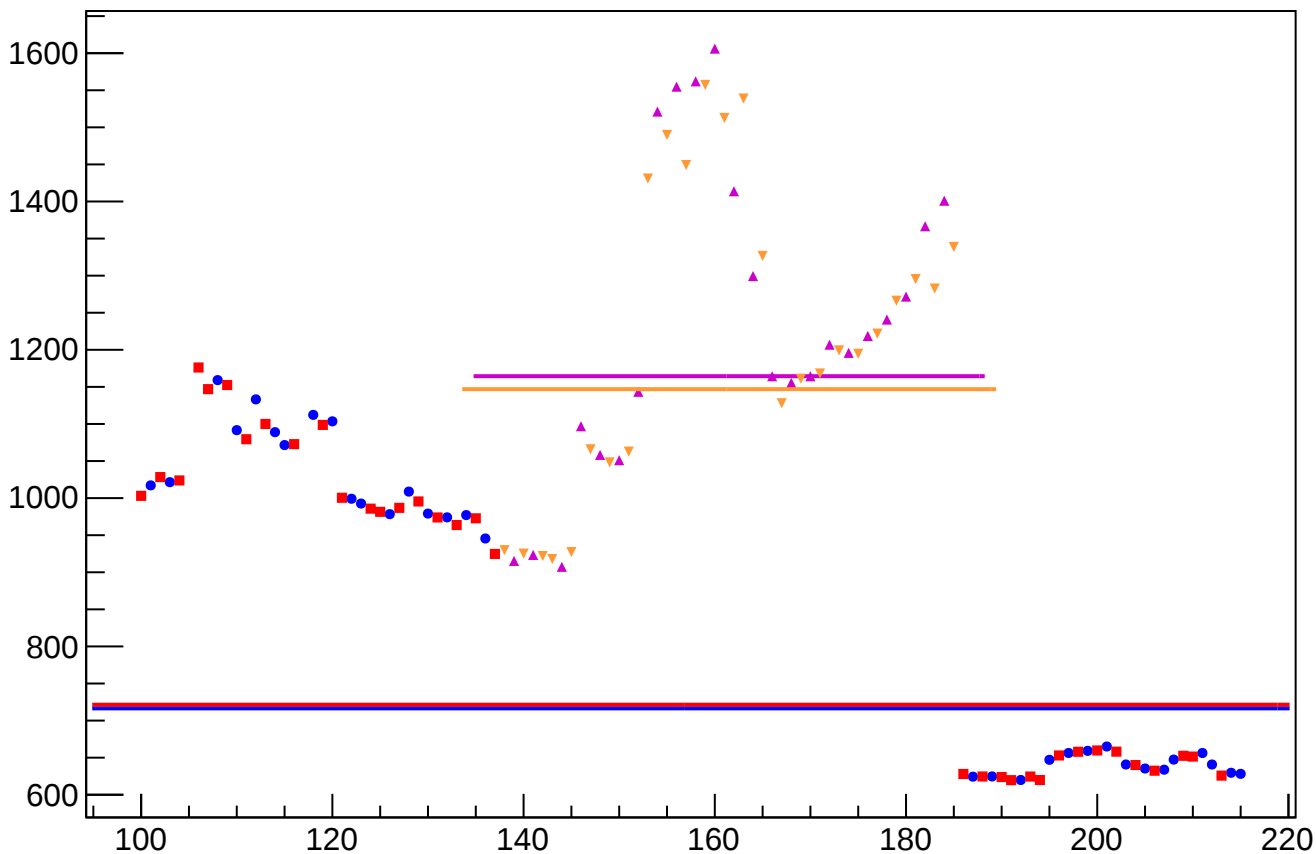
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

+ sign 9.425 ± 0.147 χ^2/NDF : 2288.6/56

All: 6.639 ± 0.105 χ^2/NDF : 13462.3/113

- sign 3.731 ± 0.151 χ^2/NDF : 10444.2/56

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: 721.408+/-0.126 χ^2/NDF : 1701195.4/33

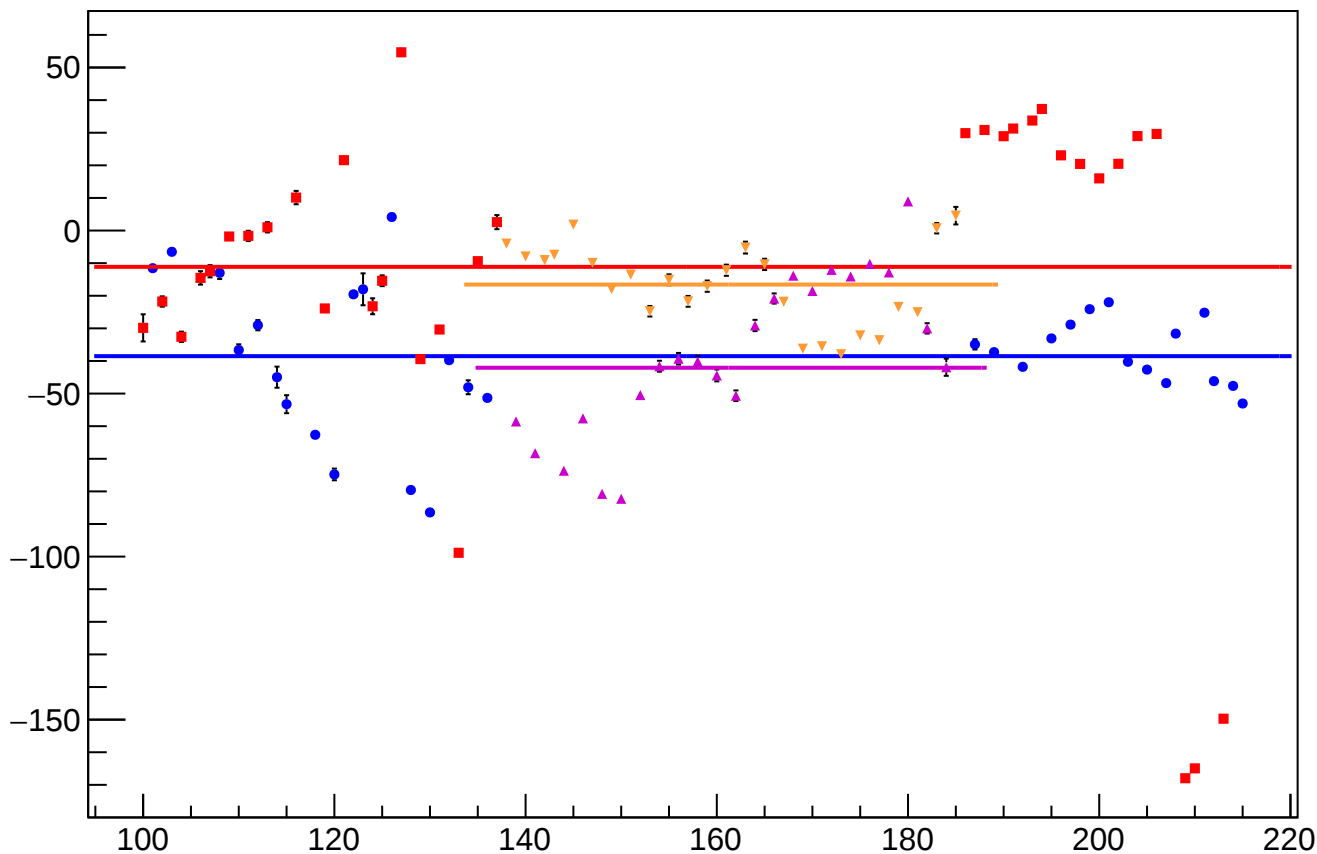
Left In: 1164.432+/-0.201 χ^2/NDF :944112.0/22

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

All: 844.636+/-0.075 χ^2/NDF : 12291029.8/1

- sign 845.963+/-0.107 χ^2/NDF : 6140851.9/56

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: -11.134 ± 0.175 χ^2/NDF : 155352.7/33

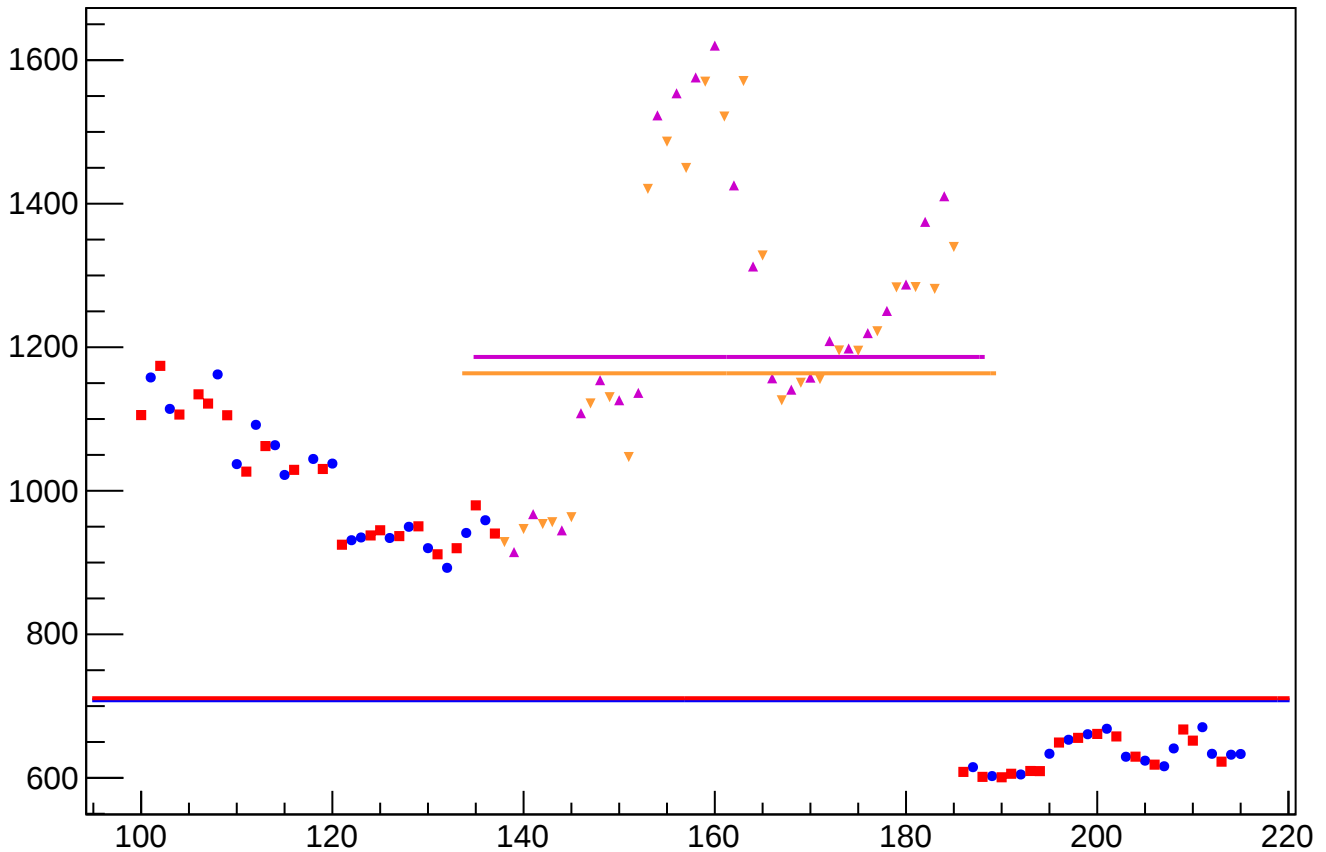
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

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

All: -25.987 ± 0.105 χ^2/NDF : 189813.5/113

- sign -19.436 ± 0.150 χ^2/NDF : 172067.6/56

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: 710.994+/-0.124 χ^2/NDF : 1693760.4/33

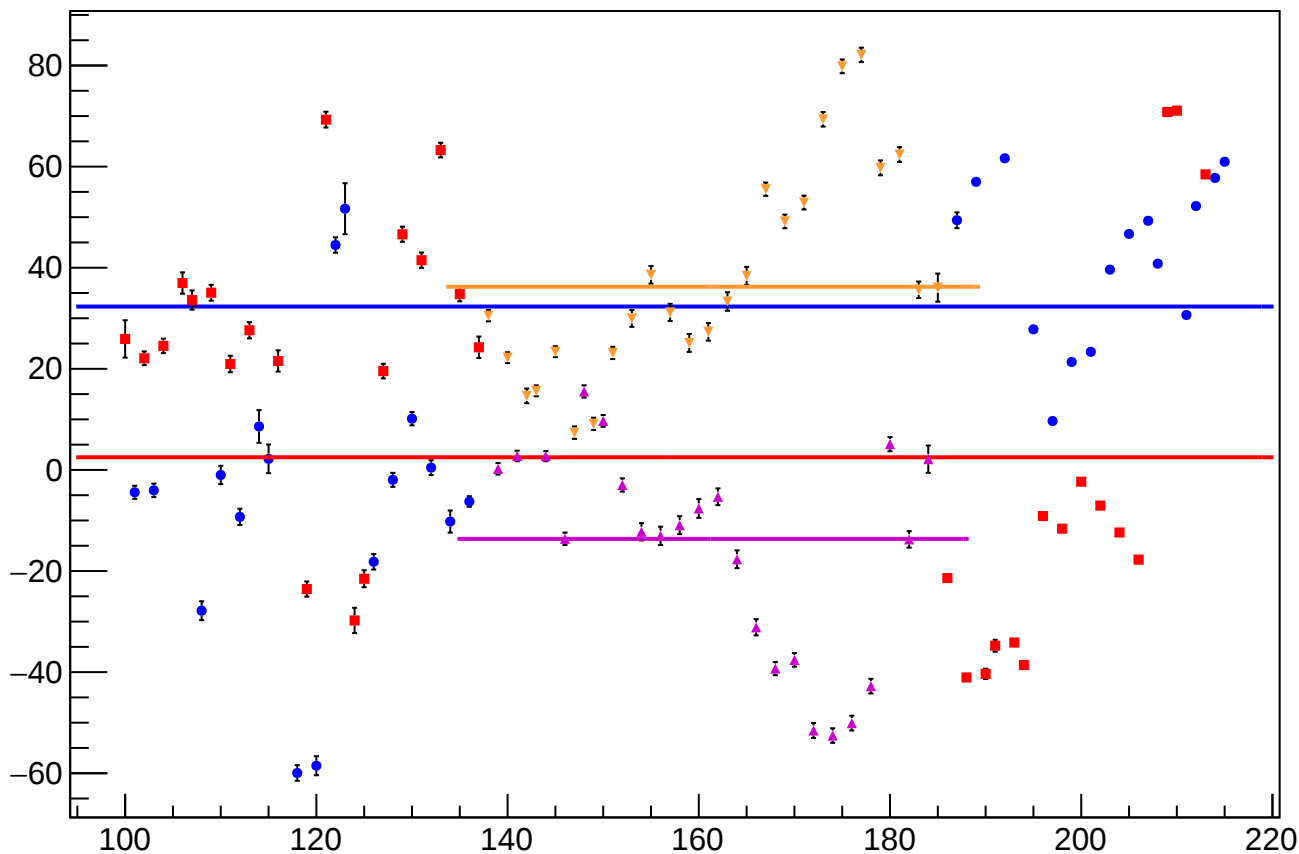
Left In: 1186.476+/-0.204 χ^2/NDF : 833420.3/22

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

All: 838.113+/-0.074 χ^2/NDF : 12893281.7/11

- sign 838.566+/-0.106 χ^2/NDF : 6485927.7/56

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: 2.498 ± 0.173 $\chi^2/\text{NDF}: 48029.4/33$

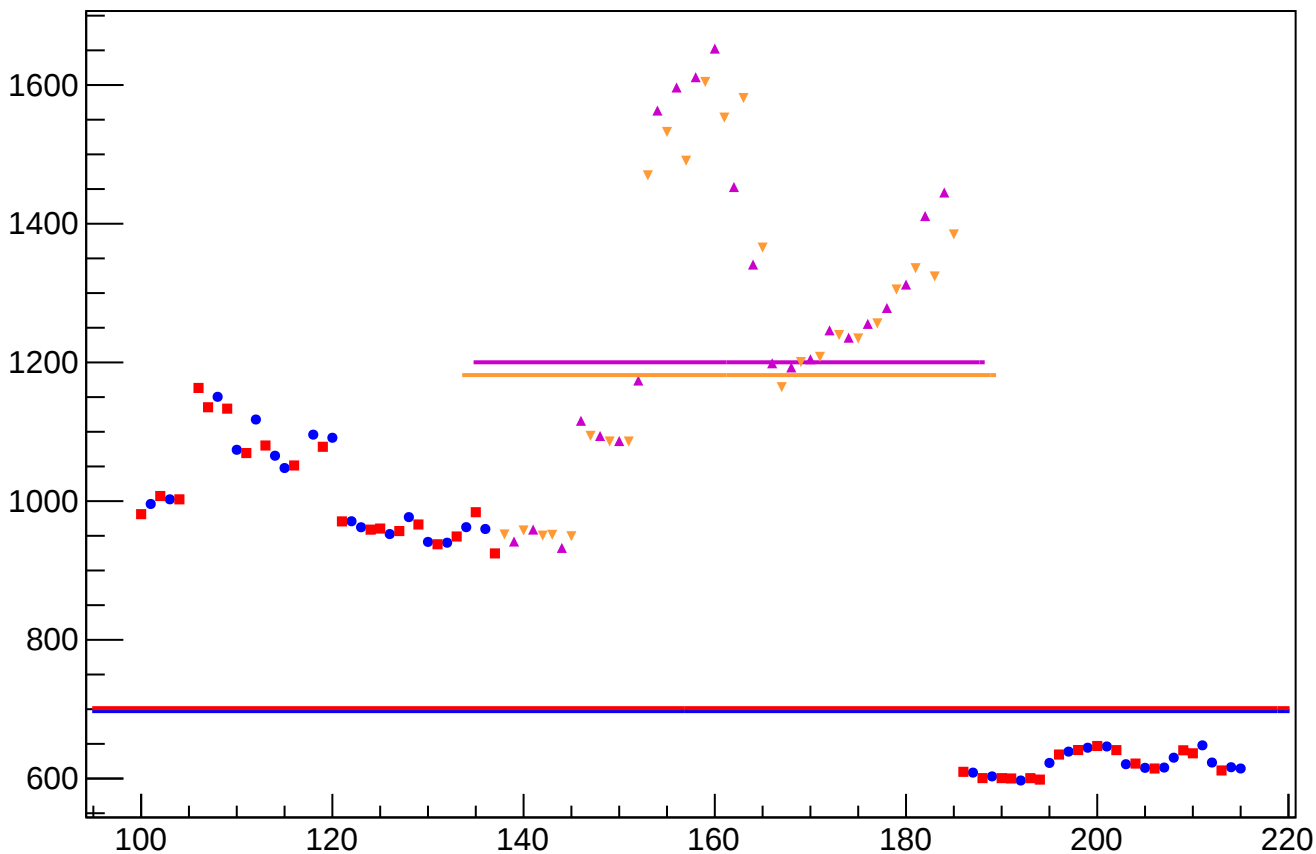
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

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

All: 16.207 ± 0.104 $\chi^2/\text{NDF}: 112864.8/113$

- sign -1.675 ± 0.149 $\chi^2/\text{NDF}: 55459.6/56$

diff_bpm2i02Y_rms vs Slug



Right In: 697.213+/-0.121 χ^2/NDF : 1627223.4/31

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

Right Out: 701.498+/-0.122 χ^2/NDF : 1773993.2/33

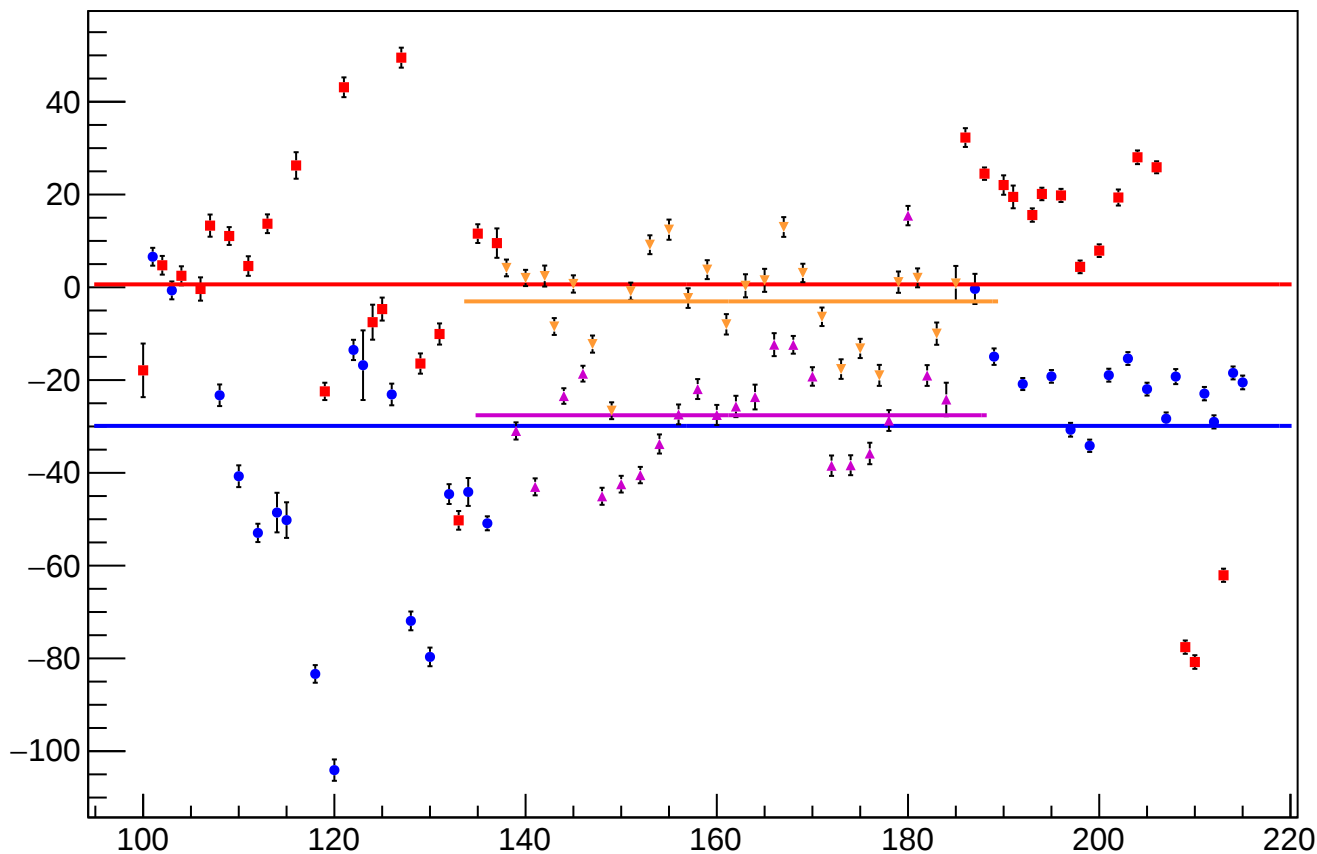
Left In: 1200.198+/-0.207 χ^2/NDF : 938224.7/22

+ sign 828.936+/-0.103 χ^2/NDF : 7035294.0/56

All: 829.684+/-0.074 χ^2/NDF : 14049317.3/11

- sign 830.462+/-0.105 χ^2/NDF : 7013916.3/56

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: 0.634 ± 0.312 $\chi^2/\text{NDF}: 12119.9/33$

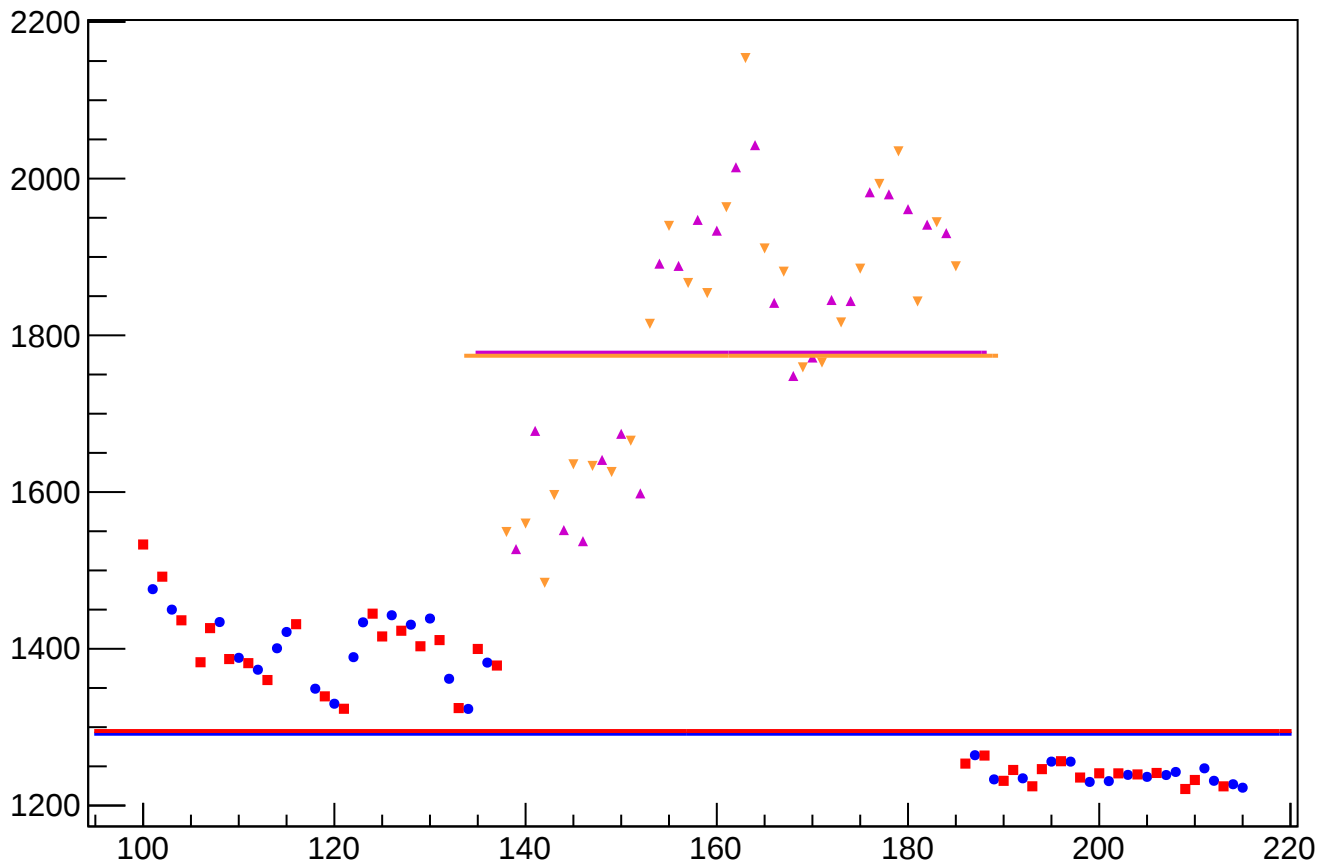
Left In: -27.583 ± 0.429 $\chi^2/\text{NDF}: 960.1/22$

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

All: -14.777 ± 0.177 $\chi^2/\text{NDF}: 24808.7/113$

- sign -9.112 ± 0.252 $\chi^2/\text{NDF}: 15911.6/56$

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: 1295.056+/-0.220 χ^2/NDF : 131186.7/33

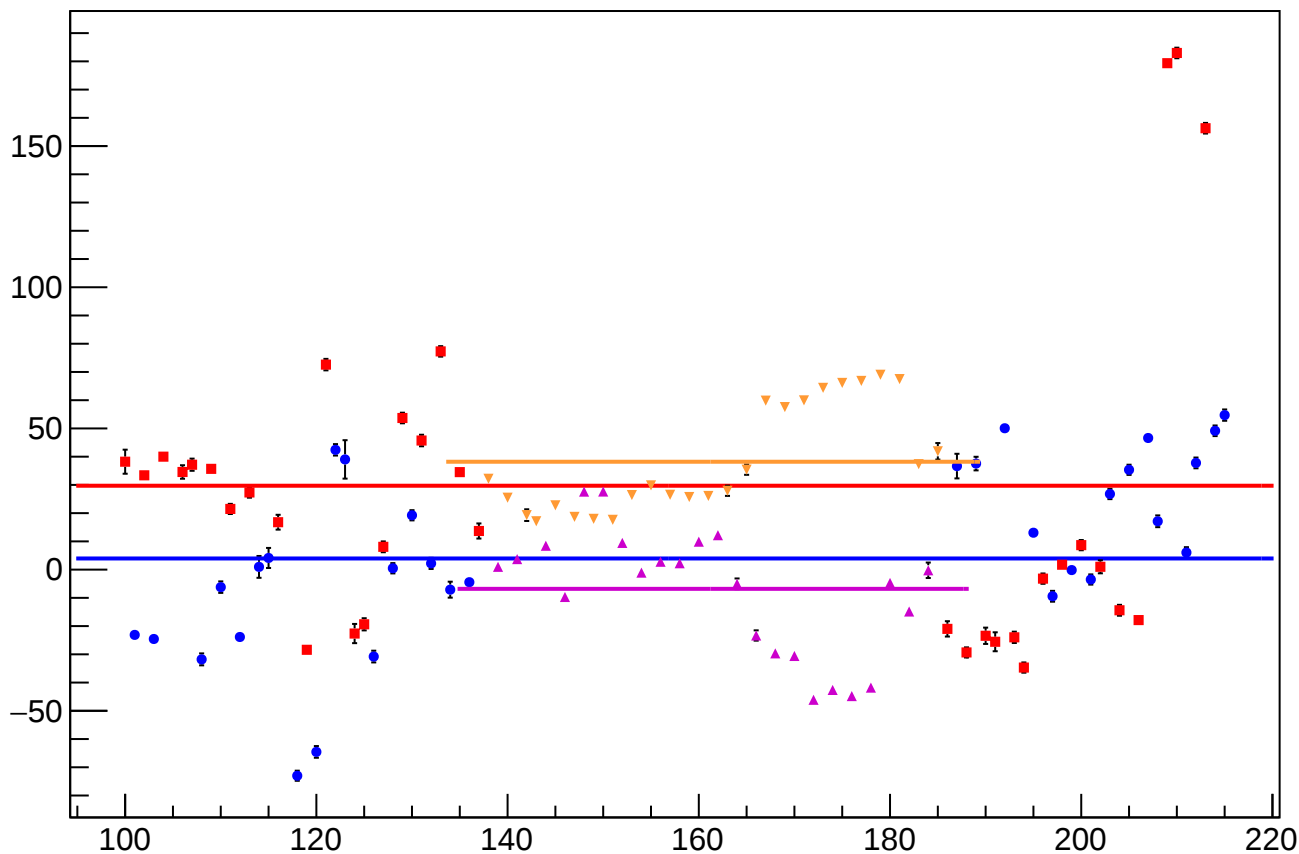
Left In: 1777.884+/-0.303 χ^2/NDF : 299514.0/22

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

All: 1463.048+/-0.125 χ^2/NDF : 4272872.2/11

- sign 1461.823+/-0.178 χ^2/NDF : 2088870.0/56

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: 29.710 ± 0.341 χ^2/NDF : 28384.5/33

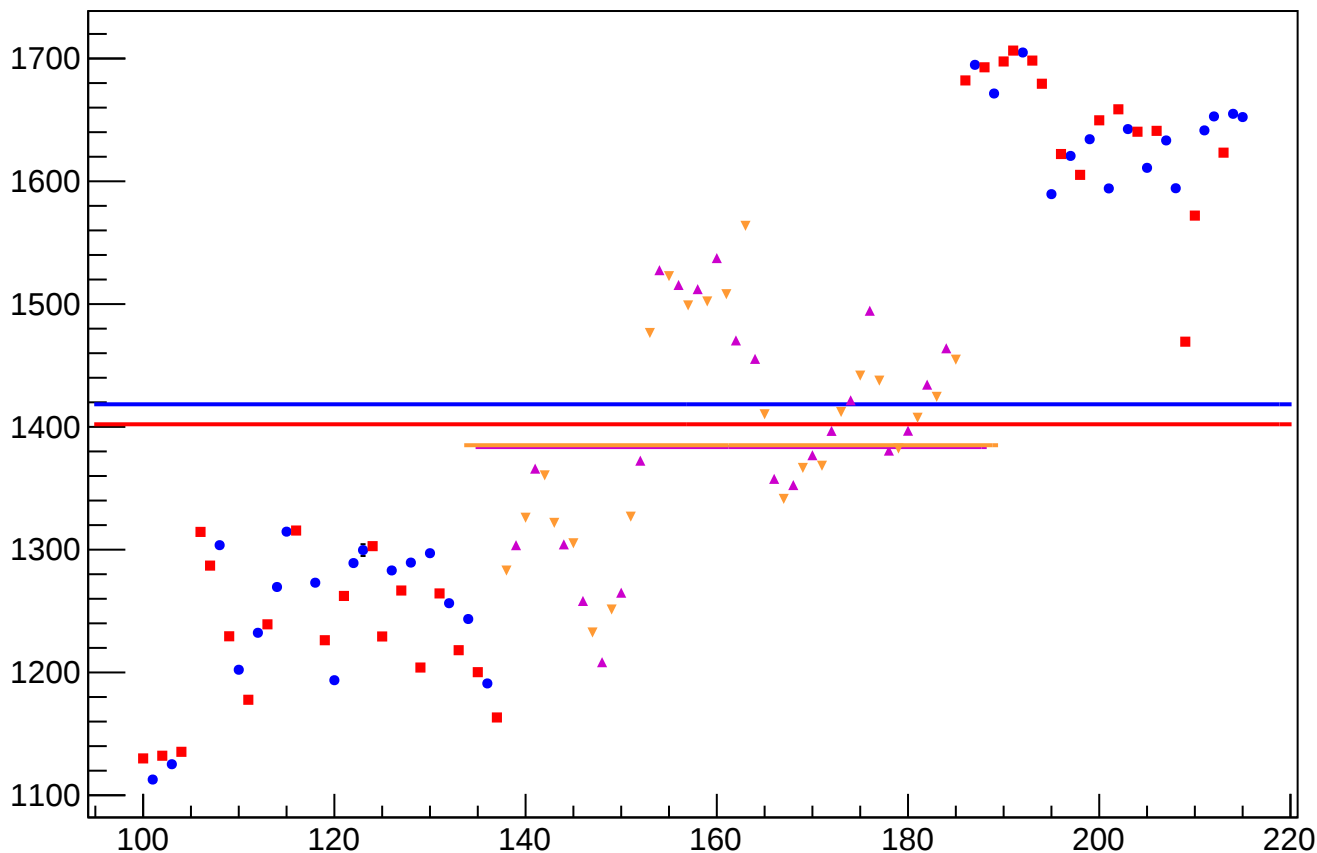
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

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

All: 16.635 ± 0.167 χ^2/NDF : 57264.4/113

- sign 11.035 ± 0.238 χ^2/NDF : 38755.8/56

diff_bpm0i02Y_rms vs Slug



Right In: 1418.394 $\pm$ 0.243 χ^2 /NDF: 760778.8/31

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

Right Out: 1402.115 $\pm$ 0.241 χ^2 /NDF: 787061.6/33

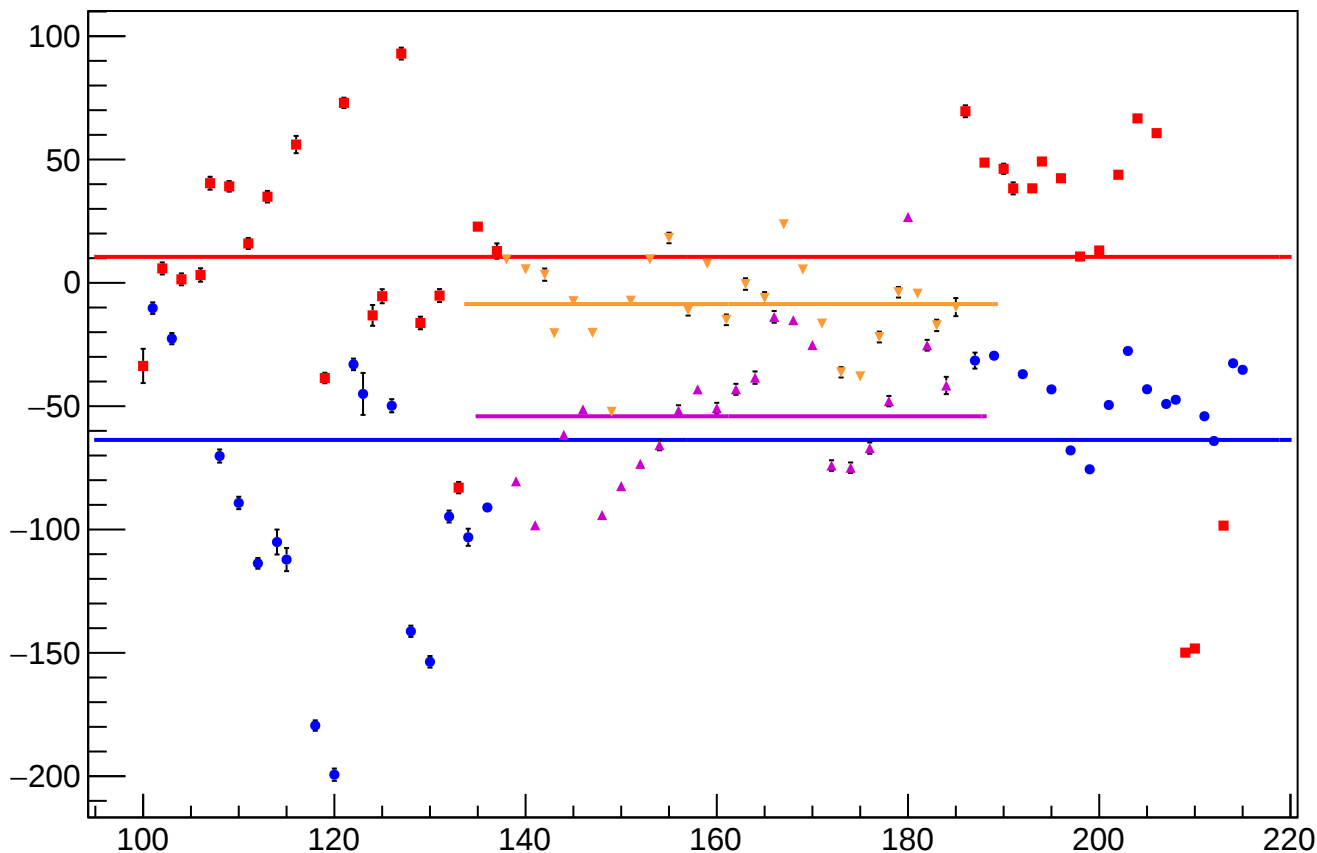
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1400.724 $\pm$ 0.166 χ^2 /NDF: 916763.3/56

All: 1396.720 $\pm$ 0.118 χ^2 /NDF: 1862725.6/11

- sign 1392.625 $\pm$ 0.168 χ^2 /NDF: 944792.5/56

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: 10.531 ± 0.346 χ^2/NDF : 32719.2/33

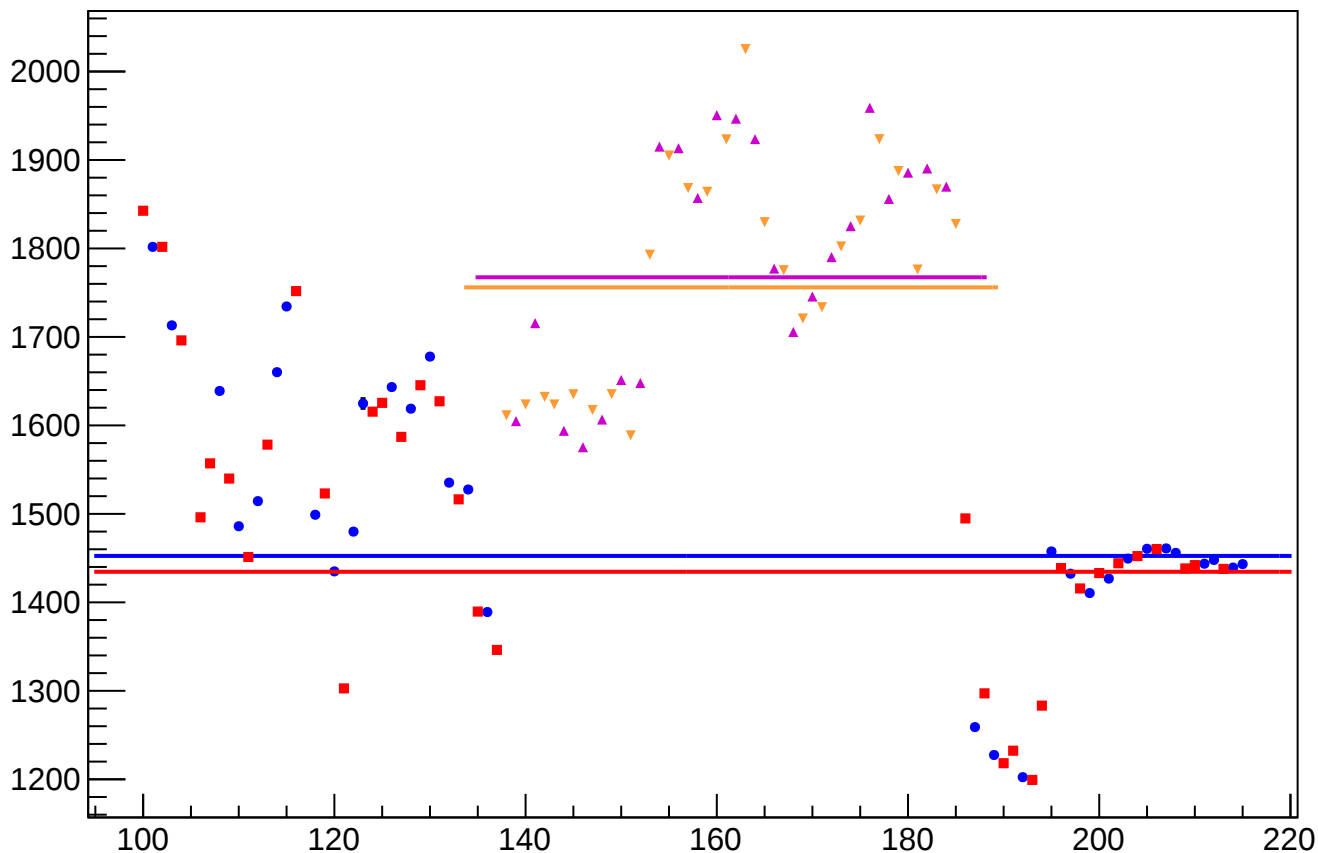
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

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

All: -27.989 ± 0.189 χ^2/NDF : 81992.0/113

- sign -15.187 ± 0.269 χ^2/NDF : 51316.7/56

diff_bpm0i02aX_rms vs Slug



Right In: 1452.483 $\pm$ 0.247 χ^2 /NDF: 261875.2/31

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

Right Out: 1434.560 $\pm$ 0.245 χ^2 /NDF: 308801.1/33

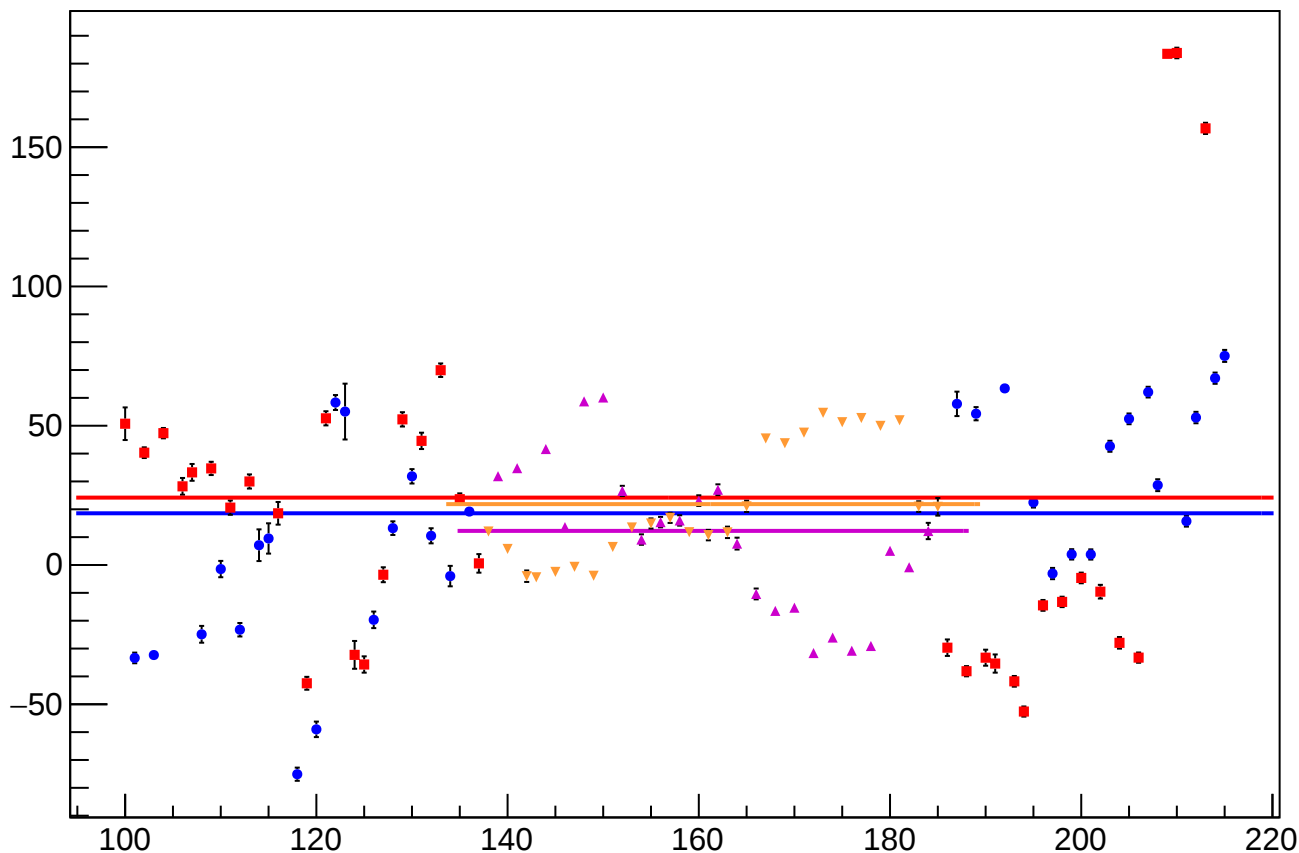
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF: 187958.2/22

+ sign 1580.003 $\pm$ 0.188 χ^2 /NDF: 1072702.1/56

All: 1573.580 $\pm$ 0.134 χ^2 /NDF: 2308112.5/11

- sign 1567.030 $\pm$ 0.190 χ^2 /NDF: 1233053.5/56

diff_bpm0i02aY_mean vs Slug



Right In: 18.564 ± 0.402 $\chi^2/\text{NDF}: 8677.1/31$

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

Right Out: 24.193 ± 0.397 $\chi^2/\text{NDF}: 31157.7/33$

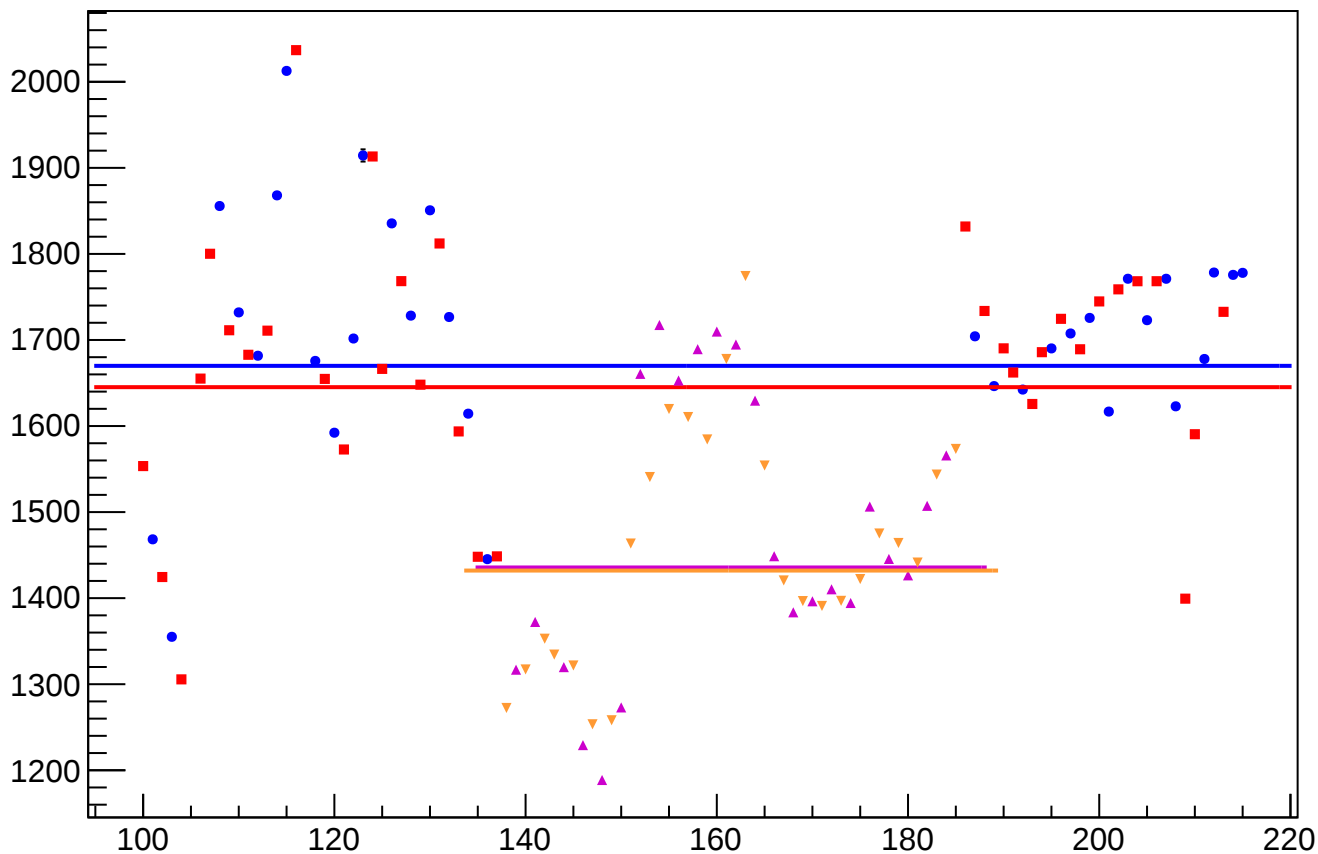
Left In: 12.246 ± 0.347 $\chi^2/\text{NDF}: 6781.6/22$

+ sign 20.503 ± 0.257 $\chi^2/\text{NDF}: 12827.3/56$

All: 18.985 ± 0.183 $\chi^2/\text{NDF}: 51350.6/113$

- sign 17.421 ± 0.261 $\chi^2/\text{NDF}: 38452.7/56$

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: 1645.172 $\pm$ 0.281 χ^2 /NDF: 258707.7/33

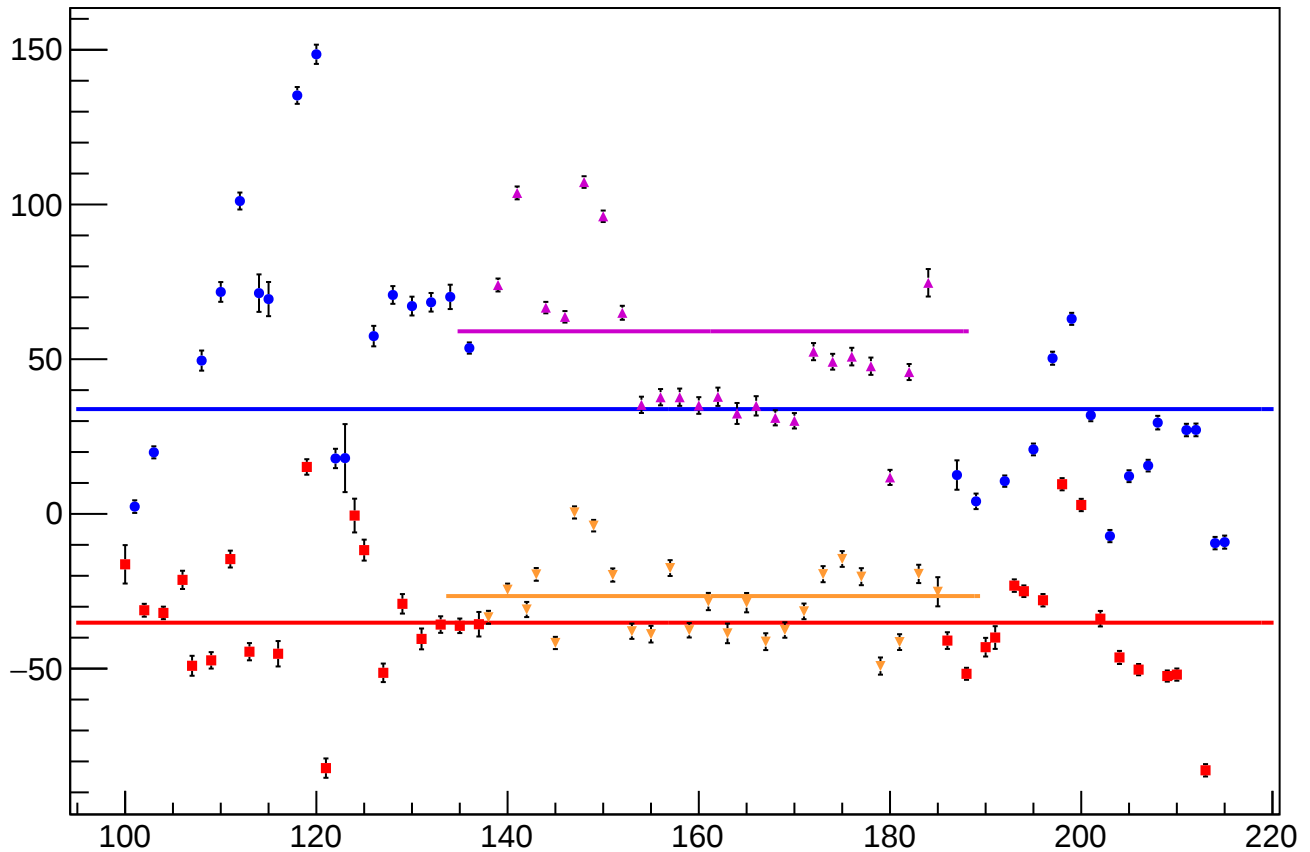
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

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

All: 1528.124 $\pm$ 0.130 χ^2 /NDF: 1905144.3/11

- sign 1526.415 $\pm$ 0.185 χ^2 /NDF: 995346.7/56

diff_bpm0i05X_mean vs Slug



Right In: 33.874 ± 0.425 χ^2/NDF : 6797.9/31

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

Right Out: -35.158 ± 0.422 χ^2/NDF : 2780.5/33

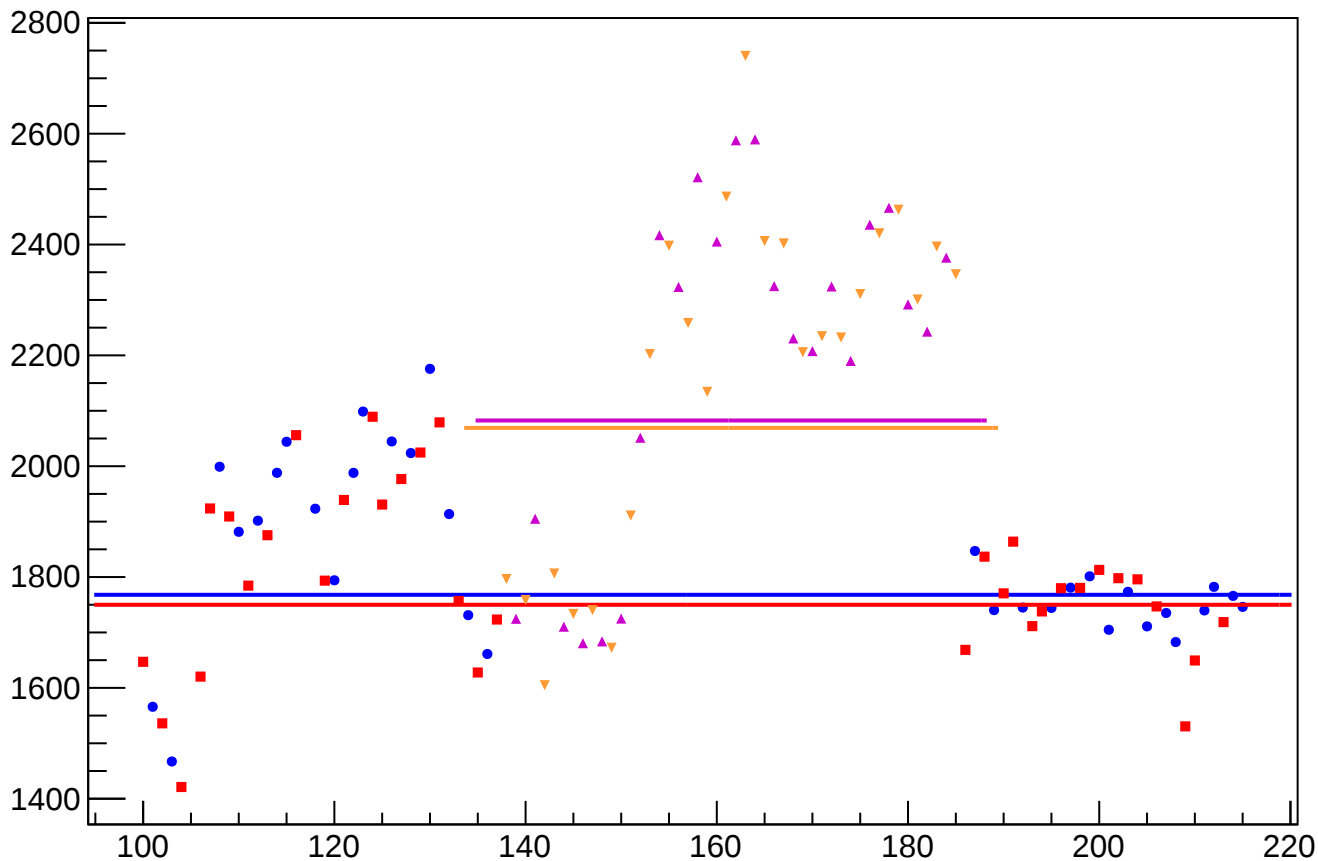
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 7.805 ± 0.320 χ^2/NDF : 16238.9/56

All: 5.639 ± 0.228 χ^2/NDF : 42308.3/113

- sign 3.423 ± 0.324 χ^2/NDF : 25976.9/56

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: 1749.959 $\pm$ 0.298 χ^2 /NDF: 228094.3/33

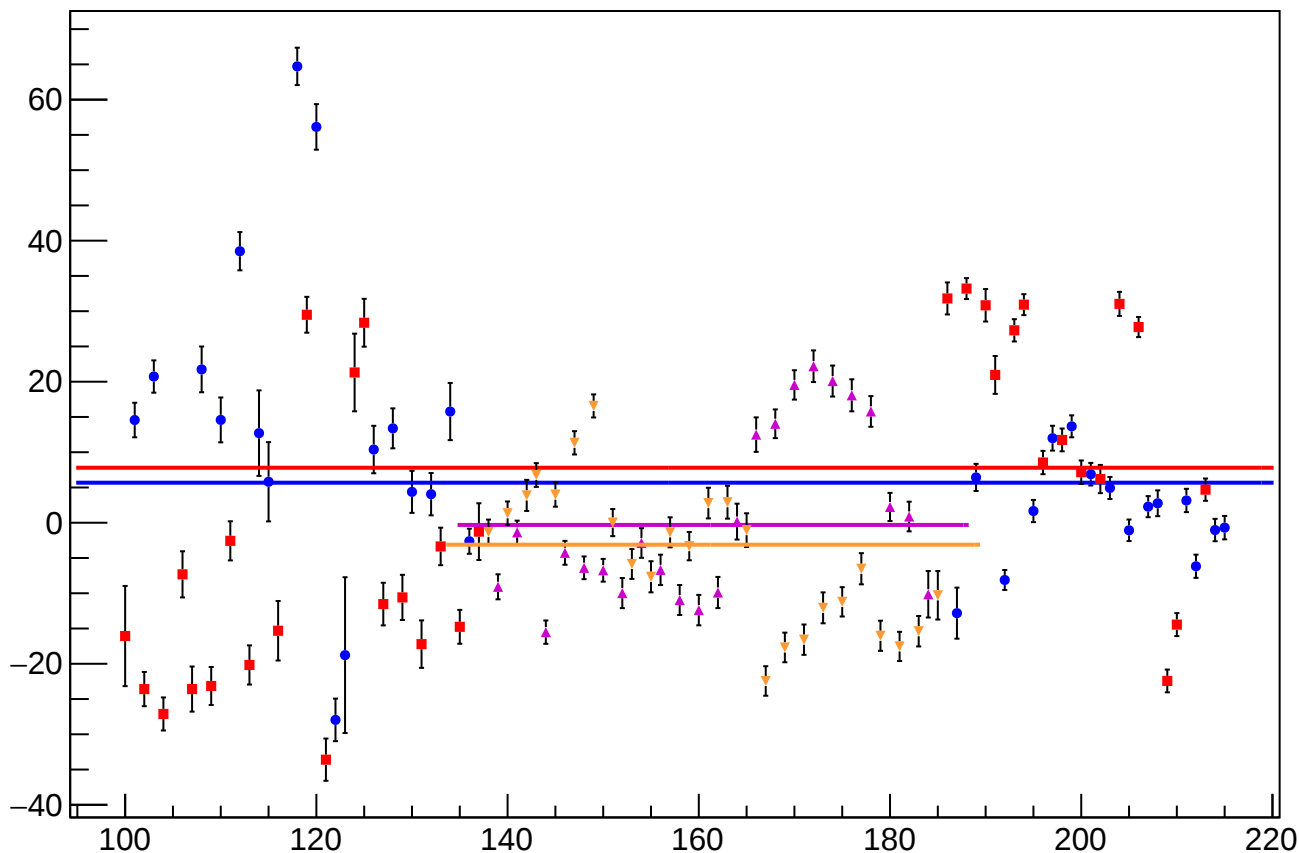
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

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

All: 1892.112 $\pm$ 0.161 χ^2 /NDF: 2954781.4/11

- sign 1886.194 $\pm$ 0.229 χ^2 /NDF: 1522463.1/56

diff_bpm0i05Y_mean vs Slug



Right In: 5.678 ± 0.368 $\chi^2/\text{NDF}: 1425.2/31$

Left Out: -3.112 ± 0.404 $\chi^2/\text{NDF}: 643.7/24$

Right Out: 7.801 ± 0.371 $\chi^2/\text{NDF}: 3193.4/33$

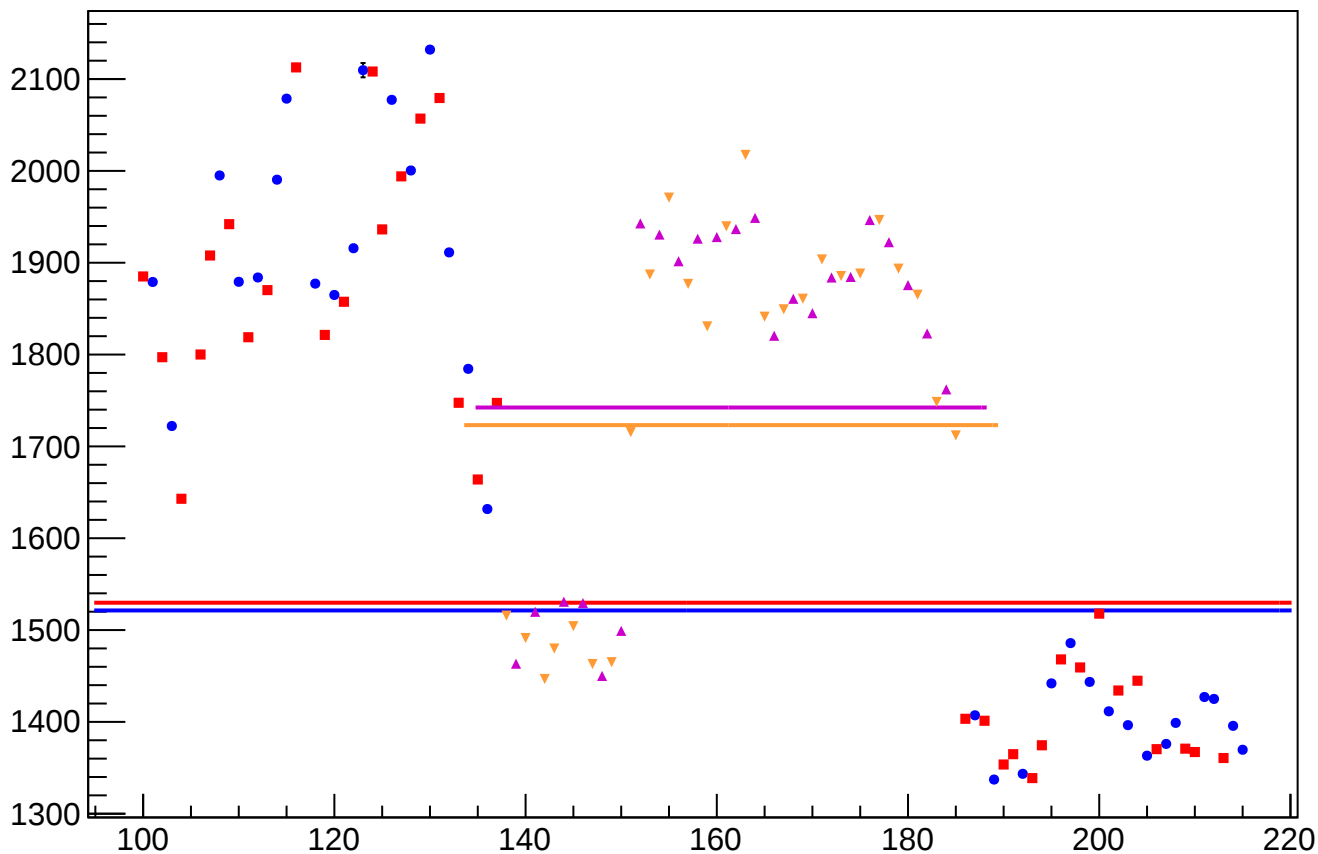
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 1.691 ± 0.272 $\chi^2/\text{NDF}: 2327.3/56$

All: 2.942 ± 0.195 $\chi^2/\text{NDF}: 6509.2/113$

- sign 4.252 ± 0.278 $\chi^2/\text{NDF}: 4138.7/56$

diff_bpm0i05Y_rms vs Slug



Right In: 1521.350+/-0.260 χ^2/NDF : 714726.1/31

Left Out: 1723.168+/-0.286 χ^2/NDF : 477441.1/24

Right Out: 1529.777+/-0.263 χ^2/NDF : 688249.2/33

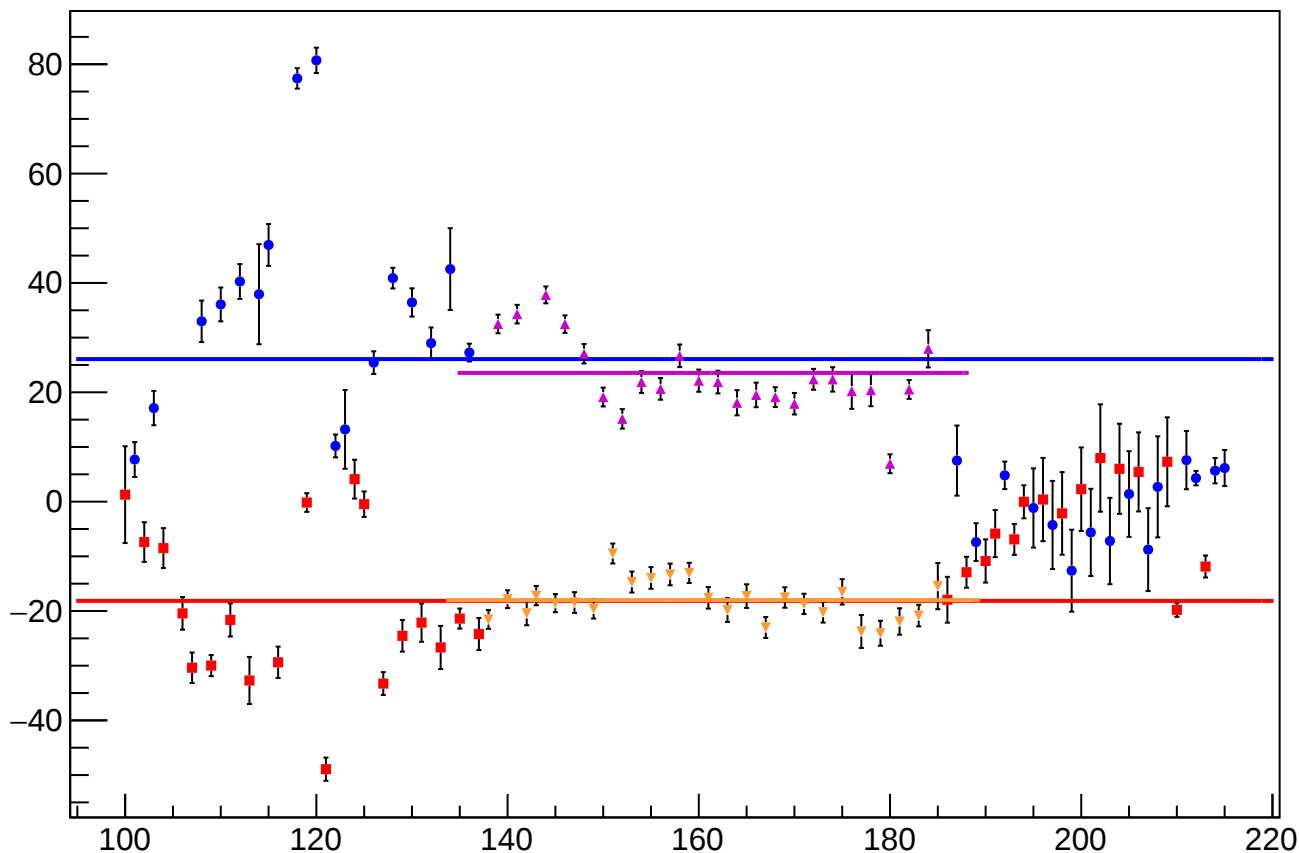
Left In: 1742.354+/-0.298 χ^2/NDF : 435841.5/22

+ sign 1612.902+/-0.193 χ^2/NDF : 1464535.2/56

All: 1617.722+/-0.138 χ^2/NDF : 2876659.6/11

- sign 1622.766+/-0.197 χ^2/NDF : 1410841.4/56

diff_bpm0i07X_mean vs Slug



Right In: 26.073 ± 0.518 χ^2/NDF : 2255.2/31

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

Right Out: -18.148 ± 0.488 χ^2/NDF : 726.6/33

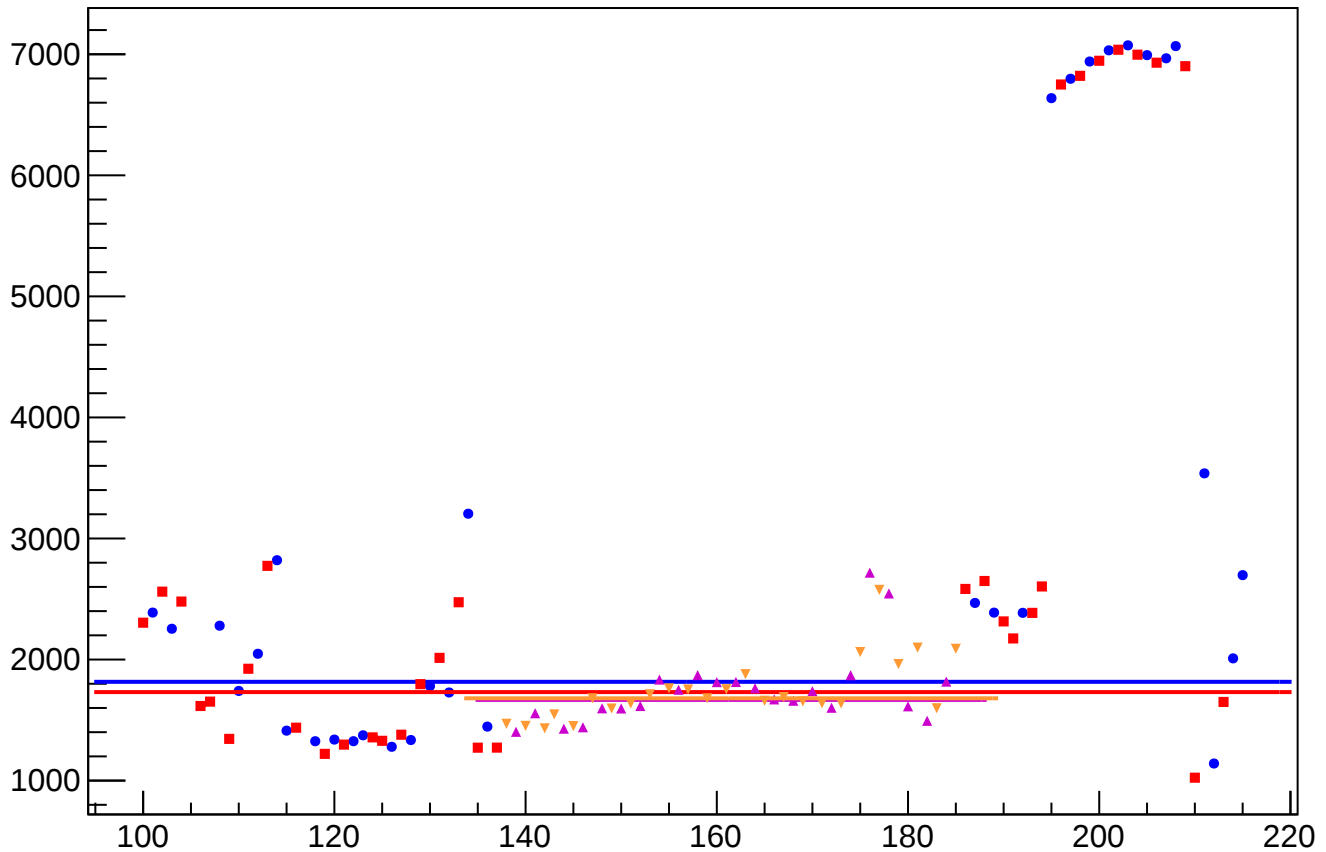
Left In: 23.544 ± 0.406 χ^2/NDF : 346.7/22

+ sign -1.699 ± 0.315 χ^2/NDF : 6897.3/56

All: 2.445 ± 0.222 χ^2/NDF : 12628.8/113

- sign 6.514 ± 0.312 χ^2/NDF : 5388.1/56

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: 1731.203 $\pm$ 0.345 χ^2 /NDF: 8288213.0/33

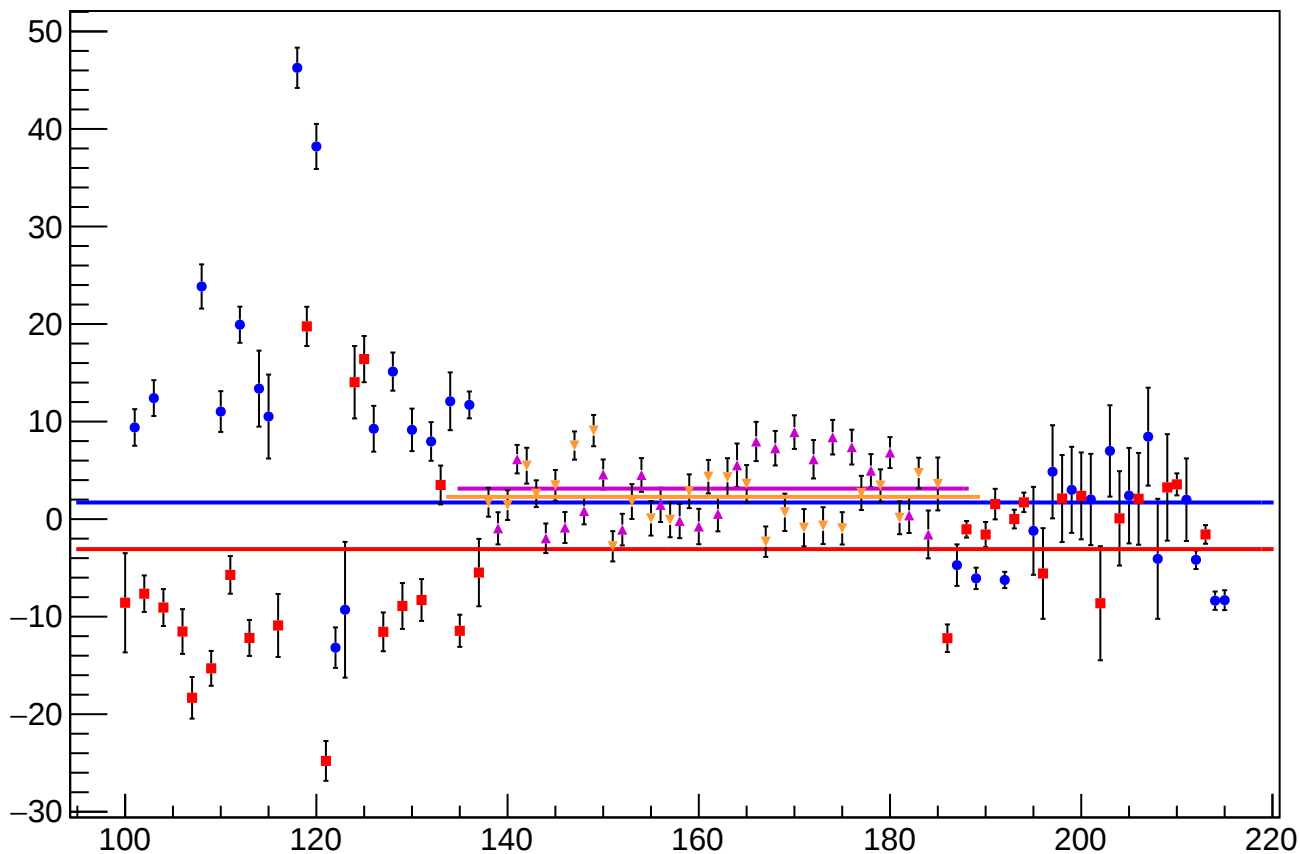
Left In: 1666.819 $\pm$ 0.287 χ^2 /NDF: 650990.8/22

+ sign 1730.212 $\pm$ 0.223 χ^2 /NDF: 9412916.0/56

All: 1711.495 $\pm$ 0.157 χ^2 /NDF: 18386705.4/100

- sign 1693.118 $\pm$ 0.221 χ^2 /NDF: 8959783.7/56

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: -3.076 ± 0.298 χ^2/NDF : 694.3/33

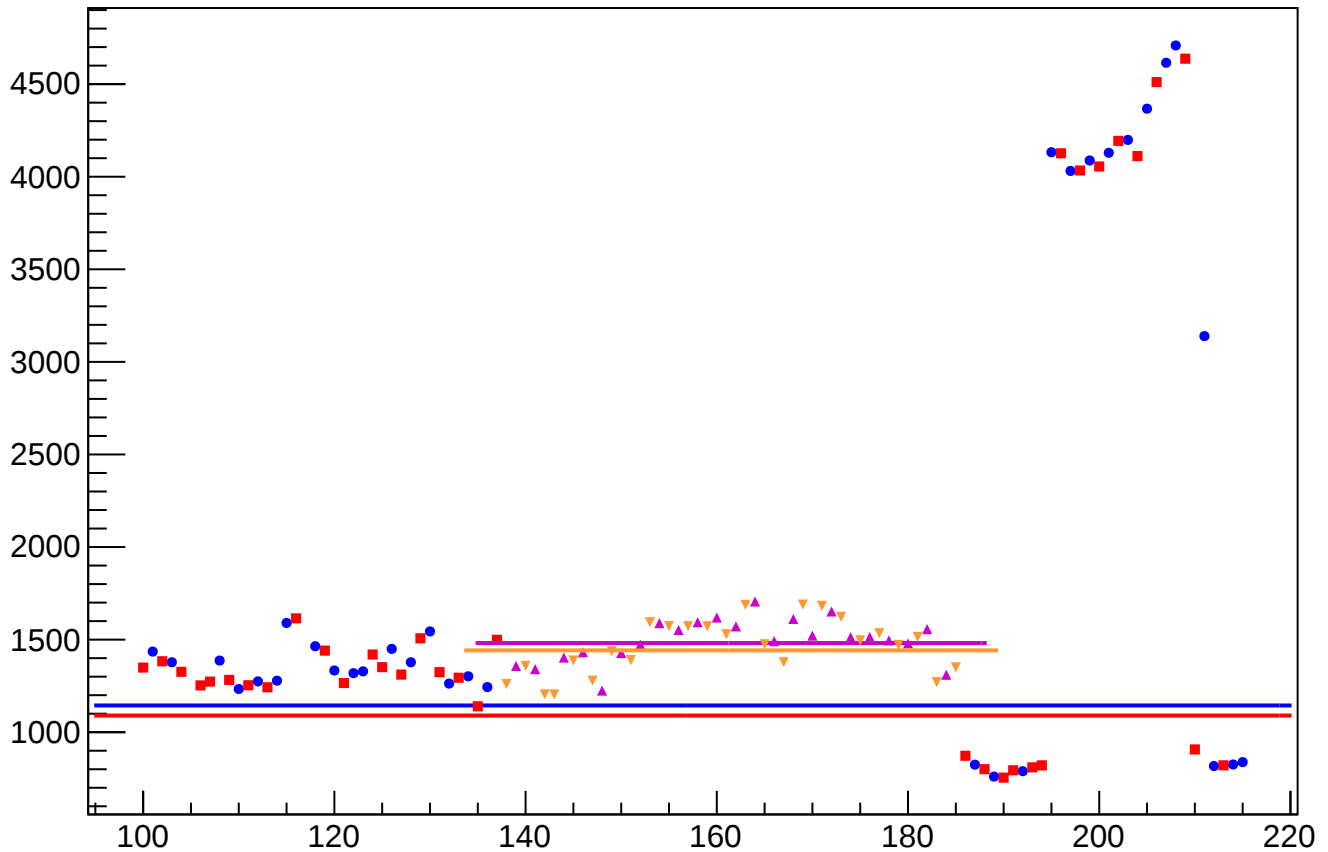
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 1.977 ± 0.233 χ^2/NDF : 1673.2/56

All: 0.703 ± 0.163 χ^2/NDF : 2707.5/113

- sign -0.532 ± 0.229 χ^2/NDF : 975.2/56

diff_bpm0i07Y_rms vs Slug



Right In: 1144.488+/-0.226 χ^2/NDF : 8775691.6/31

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

Right Out: 1090.018+/-0.211 χ^2/NDF : 7360506.9/33

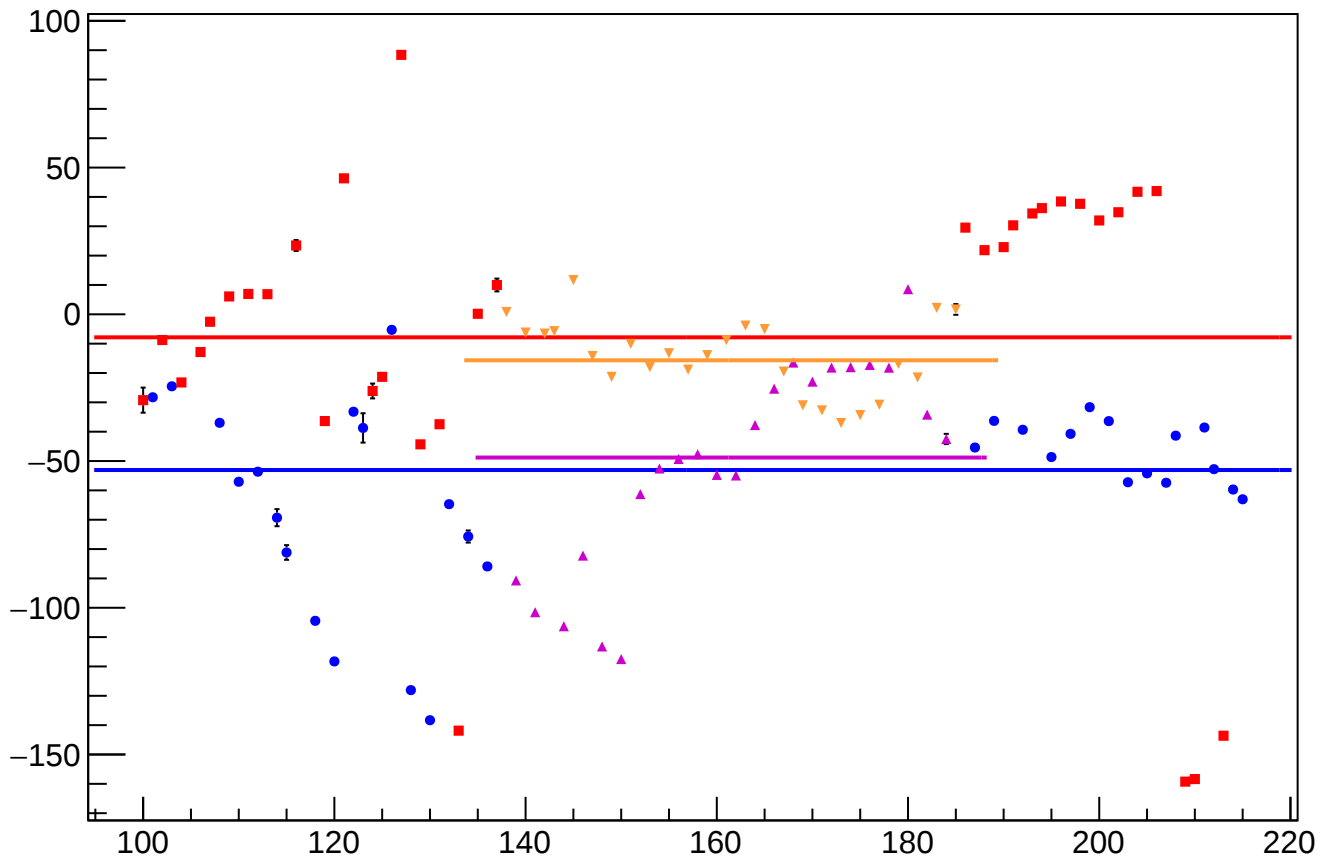
Left In: 1481.695+/-0.253 χ^2/NDF : 208470.6/22

+ sign 1285.100+/-0.164 χ^2/NDF : 9961932.4/56

All: 1267.591+/-0.115 χ^2/NDF : 18968518.4/100

- sign 1250.613+/-0.162 χ^2/NDF : 8984255.4/56

diff_bpm1i02X_mean vs Slug



Right In: -53.064 ± 0.171 χ^2/NDF : 17910.9/31

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

Right Out: -7.847 ± 0.174 χ^2/NDF : 171886.8/33

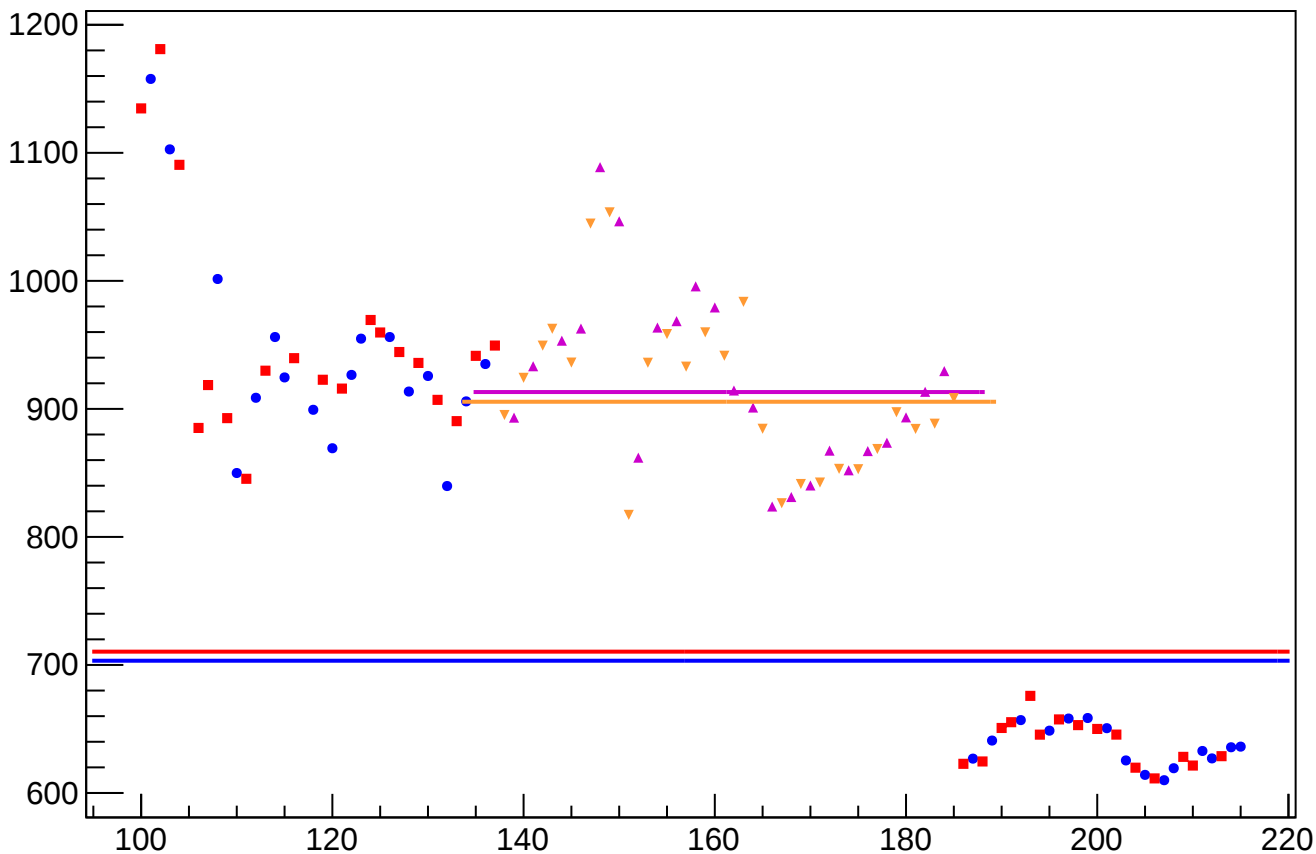
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -38.244 ± 0.133 χ^2/NDF : 40302.2/56

All: -31.085 ± 0.095 χ^2/NDF : 264746.4/113

- sign -23.585 ± 0.136 χ^2/NDF : 218524.5/56

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: 710.395 $\pm$ 0.123 χ^2 /NDF: 1216138.7/33

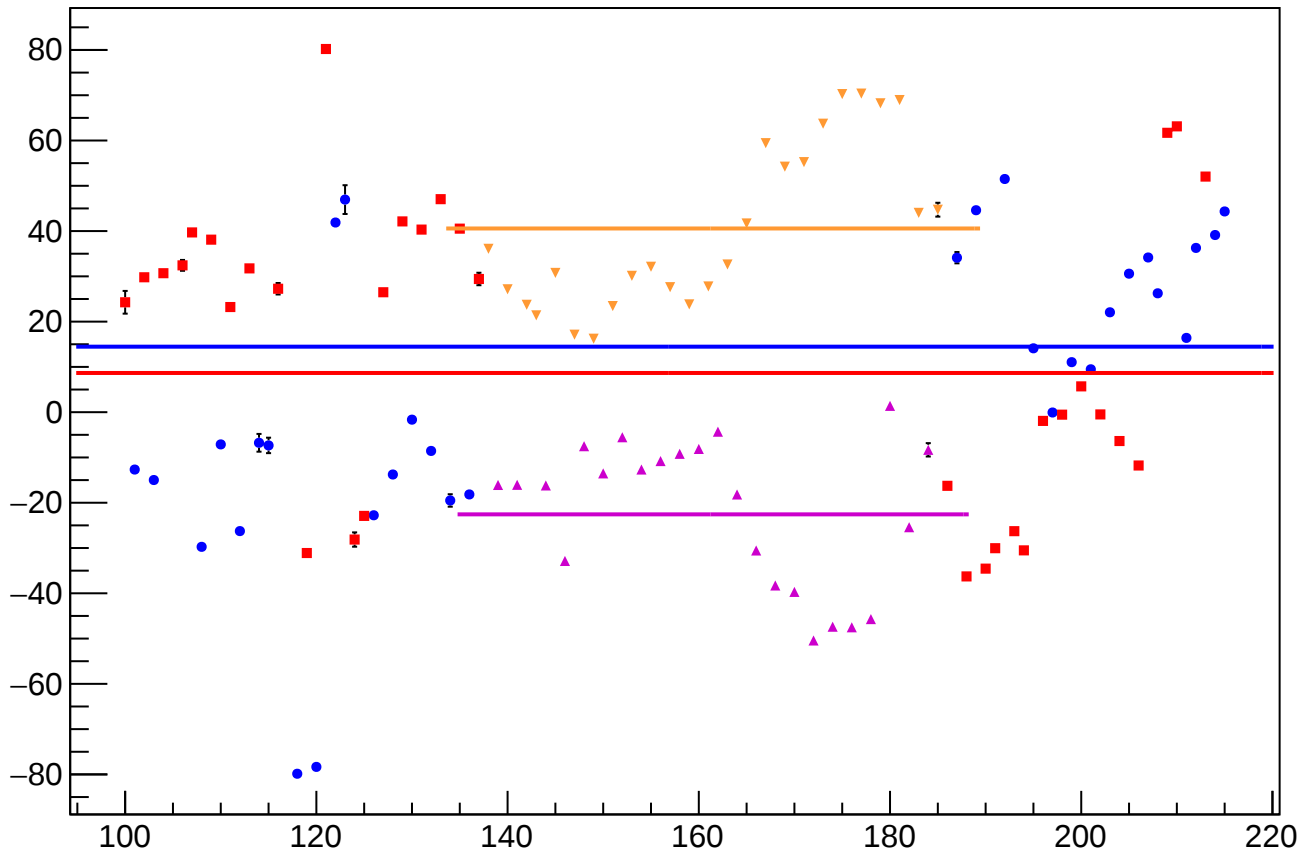
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 783.459 $\pm$ 0.094 χ^2 /NDF: 2449839.8/56

All: 785.819 $\pm$ 0.067 χ^2 /NDF: 4889206.4/113

- sign 788.292 $\pm$ 0.096 χ^2 /NDF: 2438079.8/56

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: 8.660+/-0.128 χ^2/NDF : 68136.5/33

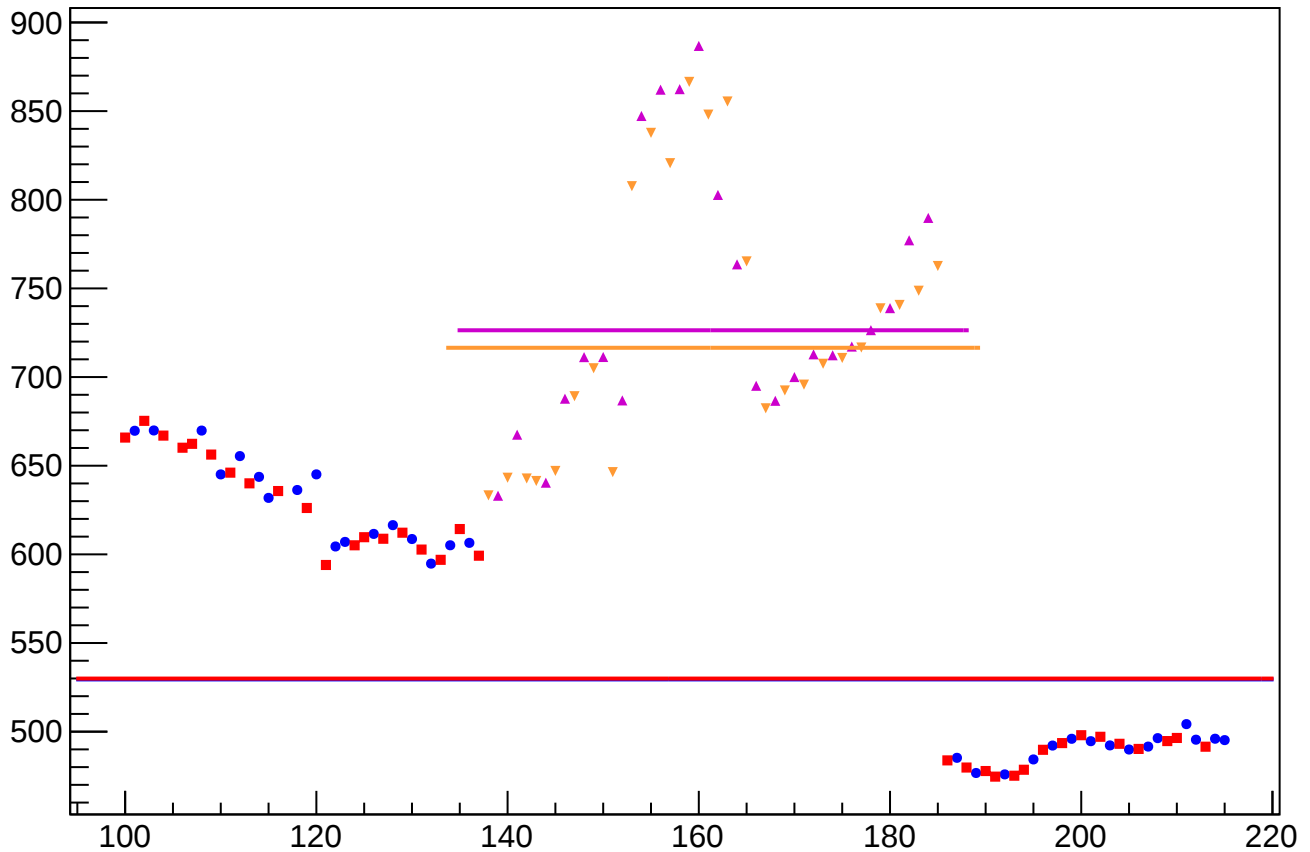
Left In: -22.565+/-0.175 χ^2/NDF : 8167.7/22

+ sign 24.039+/-0.102 χ^2/NDF : 76050.6/56

All: 11.146+/-0.073 χ^2/NDF : 205816.6/113

- sign -2.225+/-0.103 χ^2/NDF : 96976.9/56

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: 529.946 $\pm$ 0.091 χ^2 /NDF: 535545.4/33

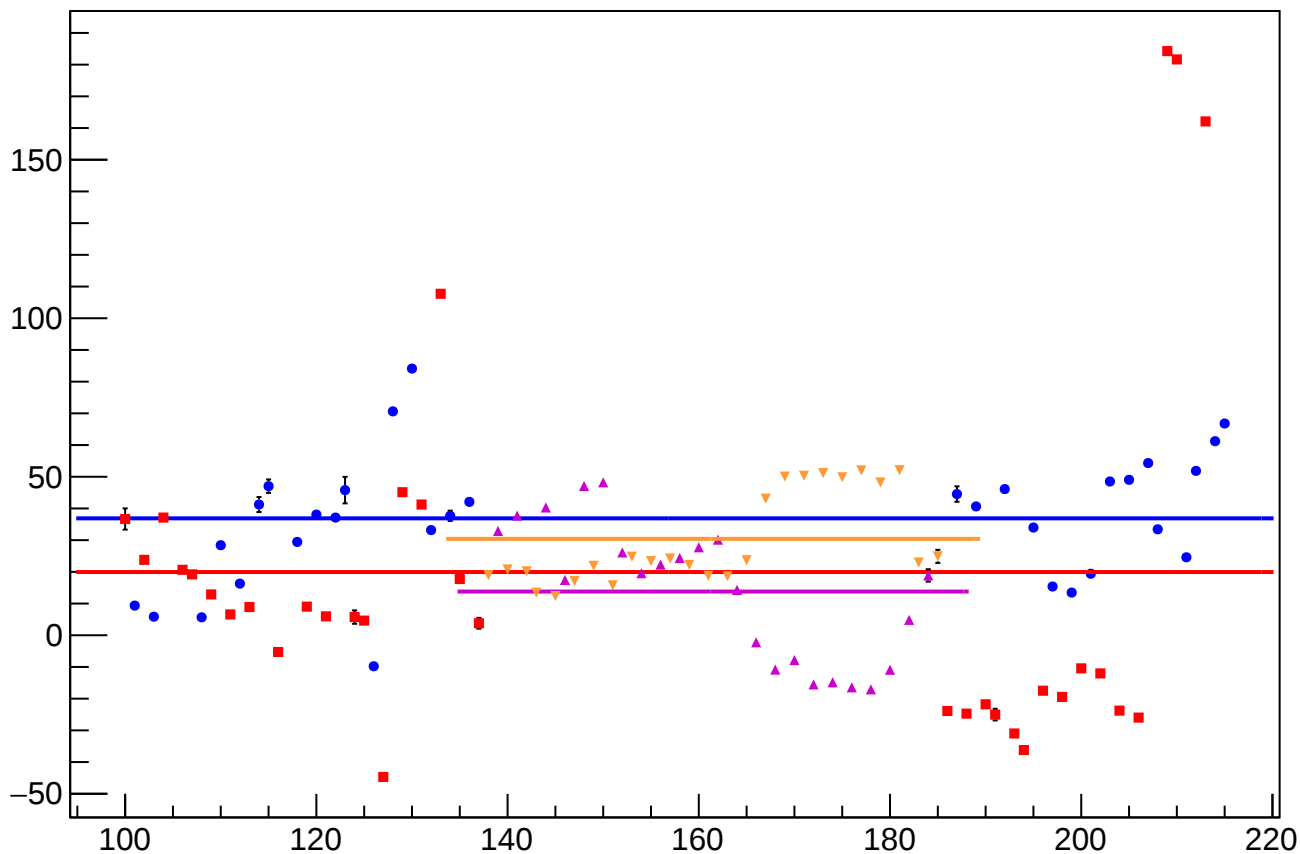
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 598.042 $\pm$ 0.072 χ^2 /NDF: 2415253.5/56

All: 598.230 $\pm$ 0.051 χ^2 /NDF: 4876996.4/113

- sign 598.424 $\pm$ 0.073 χ^2 /NDF: 2461729.0/56

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: 19.945 ± 0.207 $\chi^2/\text{NDF}: 89192.8/33$

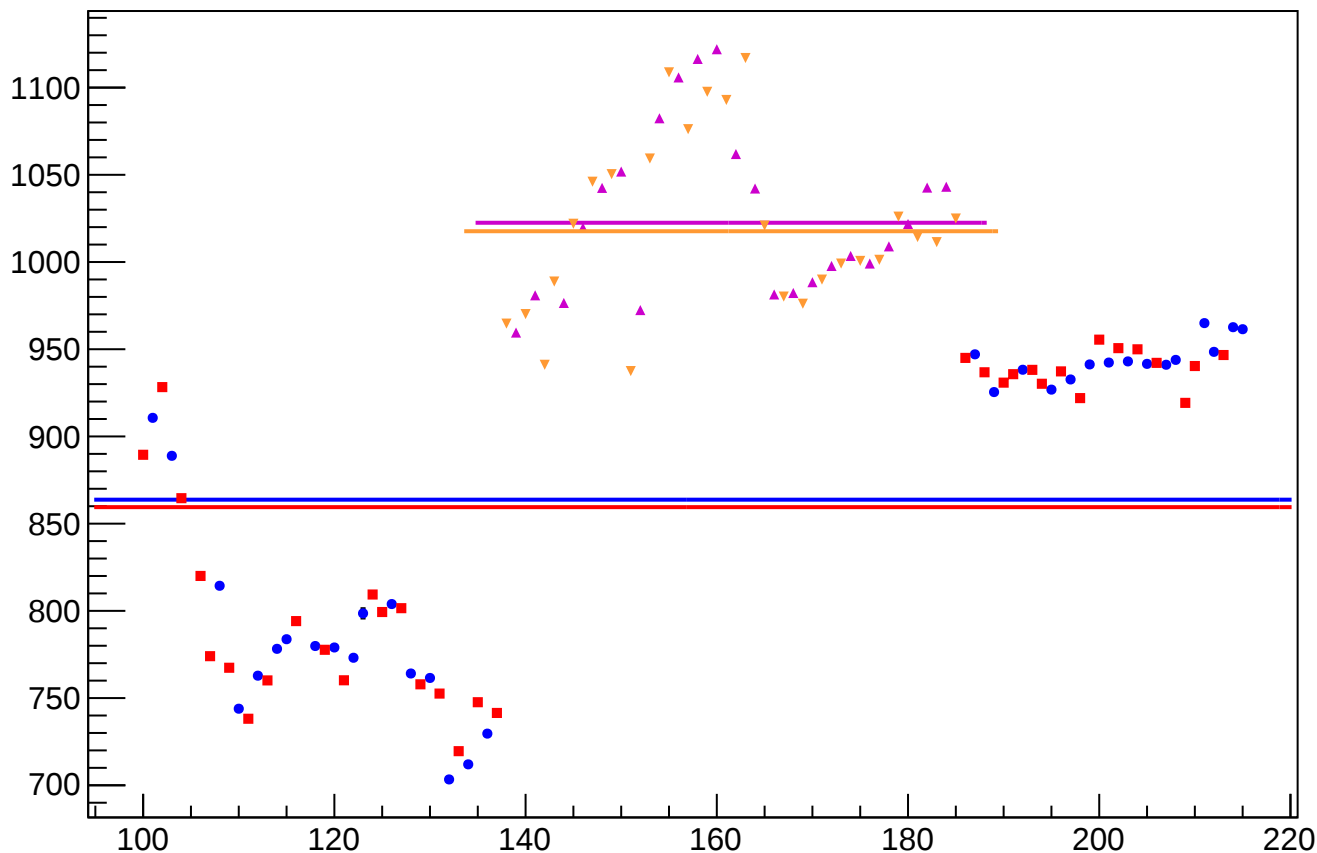
Left In: 13.787 ± 0.246 $\chi^2/\text{NDF}: 7979.7/22$

+ sign 34.068 ± 0.156 $\chi^2/\text{NDF}: 14076.1/56$

All: 25.836 ± 0.111 $\chi^2/\text{NDF}: 117226.4/113$

- sign 17.384 ± 0.159 $\chi^2/\text{NDF}: 97539.1/56$

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: 859.465 $\pm$ 0.147 χ^2 /NDF: 348269.7/33

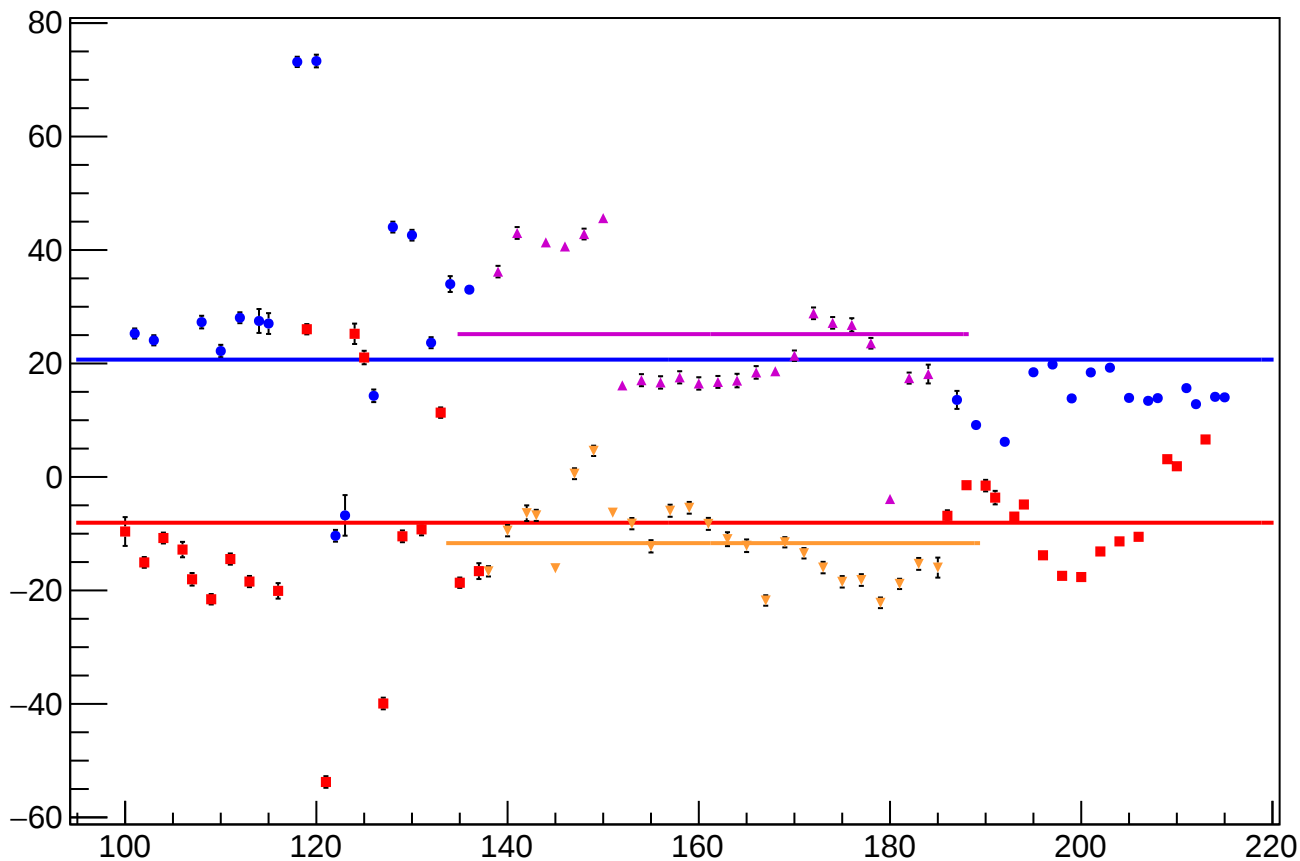
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF:69635.5/22

+ sign 930.594 $\pm$ 0.111 χ^2 /NDF: 950885.7/56

All: 928.953 $\pm$ 0.079 χ^2 /NDF: 1883178.4/113

- sign 927.267 $\pm$ 0.112 χ^2 /NDF: 931846.5/56

diff_bpm1i04Y_mean vs Slug



Right In: 20.683 ± 0.148 $\chi^2/\text{NDF}: 9821.9/31$

Left Out: -11.664 ± 0.200 $\chi^2/\text{NDF}: 1147.4/24$

Right Out: -8.066 ± 0.147 $\chi^2/\text{NDF}: 8432.2/33$

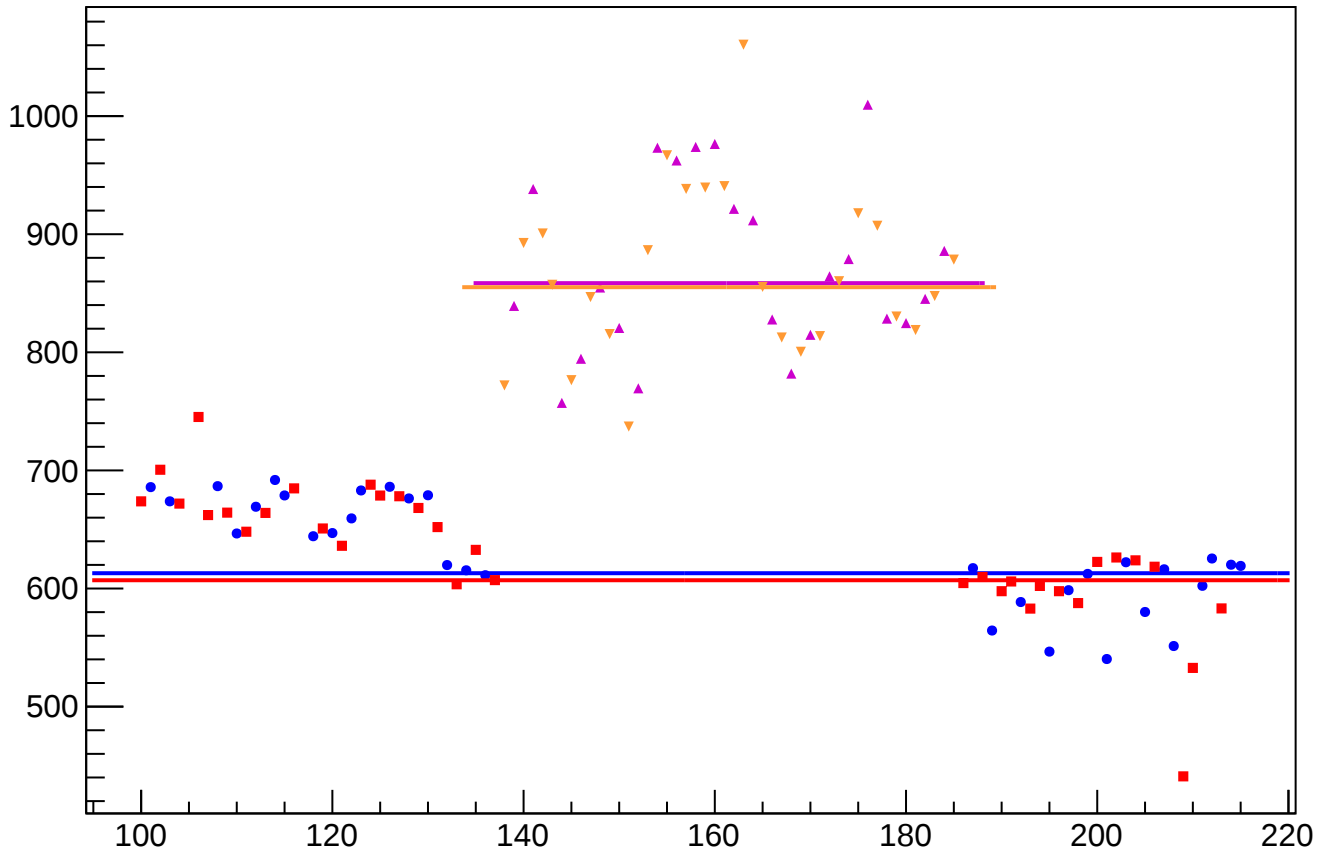
Left In: 25.174 ± 0.207 $\chi^2/\text{NDF}: 3747.1/22$

+ sign 9.304 ± 0.119 $\chi^2/\text{NDF}: 27877.2/56$

All: 6.191 ± 0.084 $\chi^2/\text{NDF}: 58561.2/113$

- sign 3.025 ± 0.120 $\chi^2/\text{NDF}: 29298.7/56$

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: 607.011 $\pm$ 0.104 χ^2/NDF : 362021.5/33

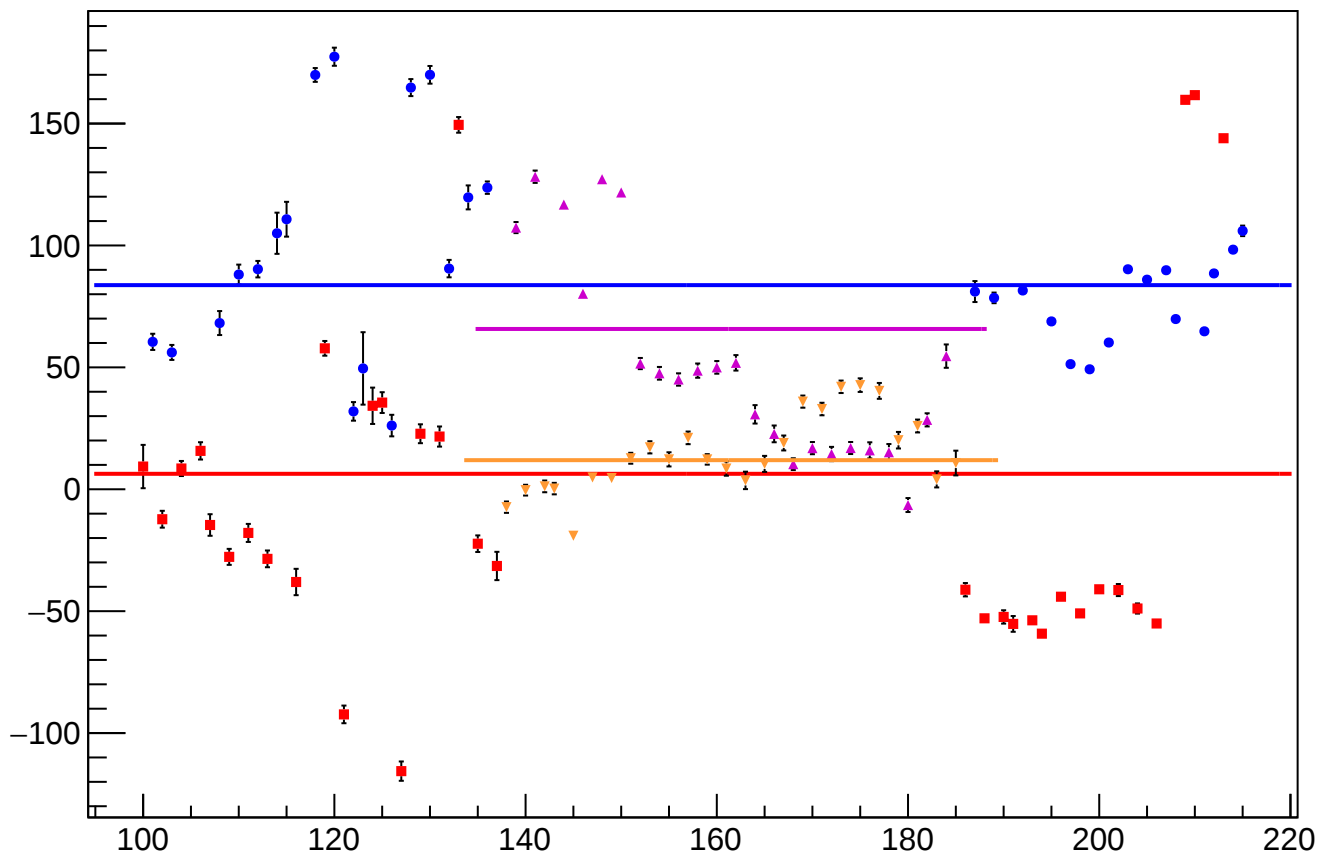
Left In: 858.563 $\pm$ 0.147 χ^2/NDF : 239019.8/22

+ sign 698.153 $\pm$ 0.084 χ^2/NDF : 2294383.7/56

All: 694.580 $\pm$ 0.060 χ^2/NDF : 4860032.2/113

- sign 690.946 $\pm$ 0.085 χ^2/NDF : 2561998.9/56

diff_bpm1i06X_mean vs Slug



Right In: 83.729+/-0.444 χ^2/NDF : 4708.6/31

Left Out: 11.938+/-0.505 χ^2/NDF : 976.6/24

Right Out: 6.344+/-0.437 χ^2/NDF : 38944.8/33

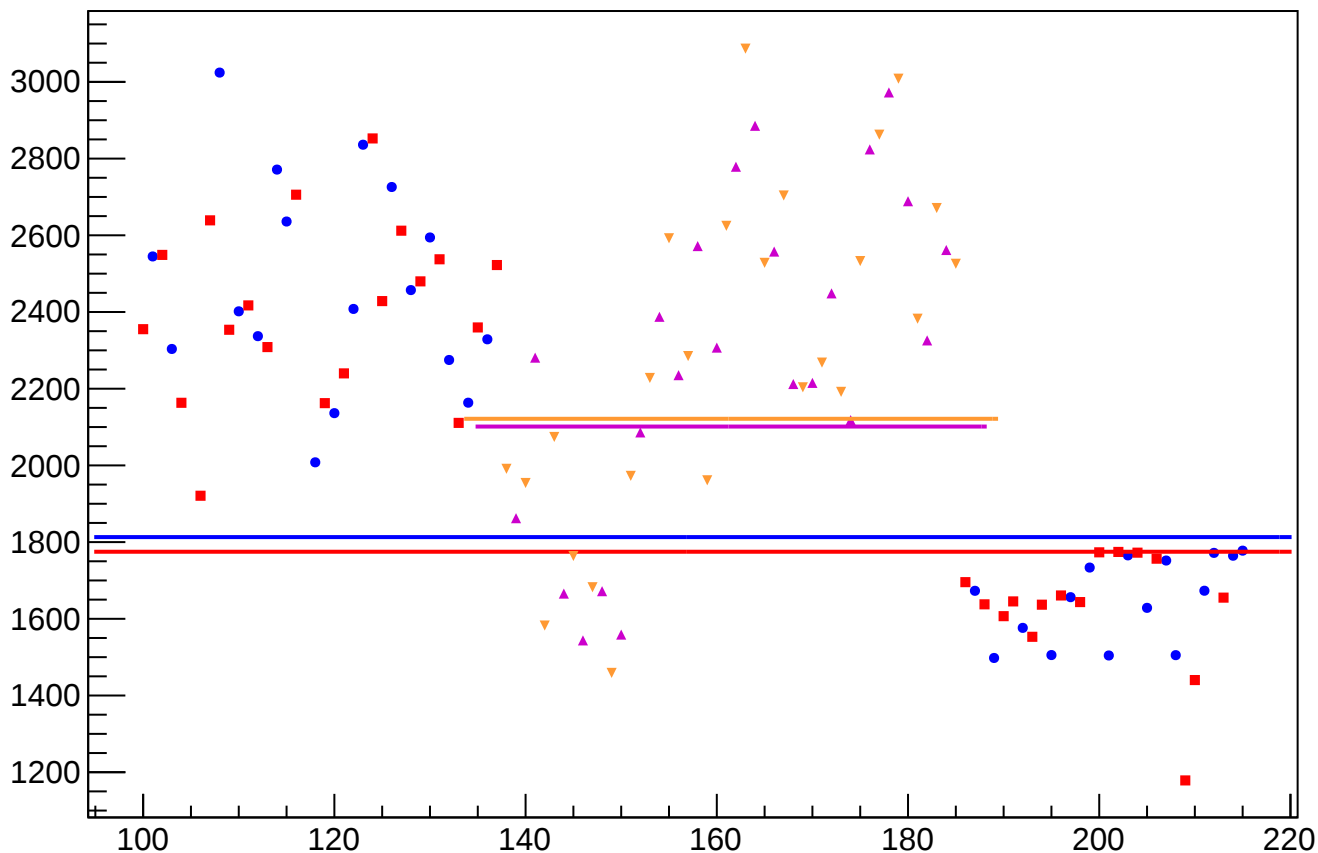
Left In: 65.752+/-0.518 χ^2/NDF : 7335.8/22

+ sign 52.468+/-0.333 χ^2/NDF : 17080.1/56

All: 41.782+/-0.236 χ^2/NDF : 73106.7/113

- sign 31.065+/-0.334 χ^2/NDF : 53969.8/56

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: 1774.885 $\pm$ 0.309 χ^2 /NDF: 1477433.2/33

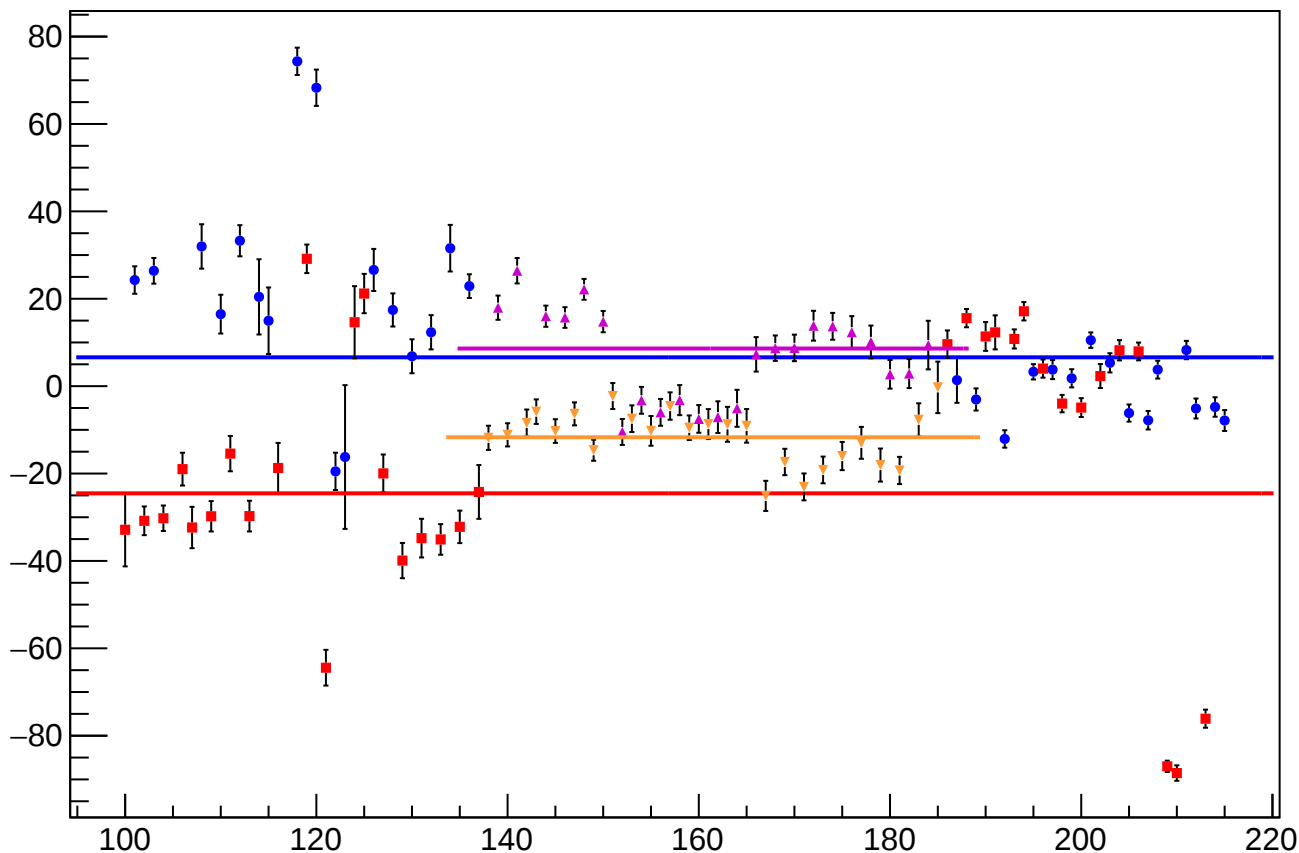
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 1947.406 $\pm$ 0.236 χ^2 /NDF: 2990619.9/56

All: 1929.093 $\pm$ 0.167 χ^2 /NDF: 6304991.2/11

- sign 1910.725 $\pm$ 0.236 χ^2 /NDF: 3302287.9/56

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: -24.530 ± 0.472 χ^2/NDF : 7105.2/33

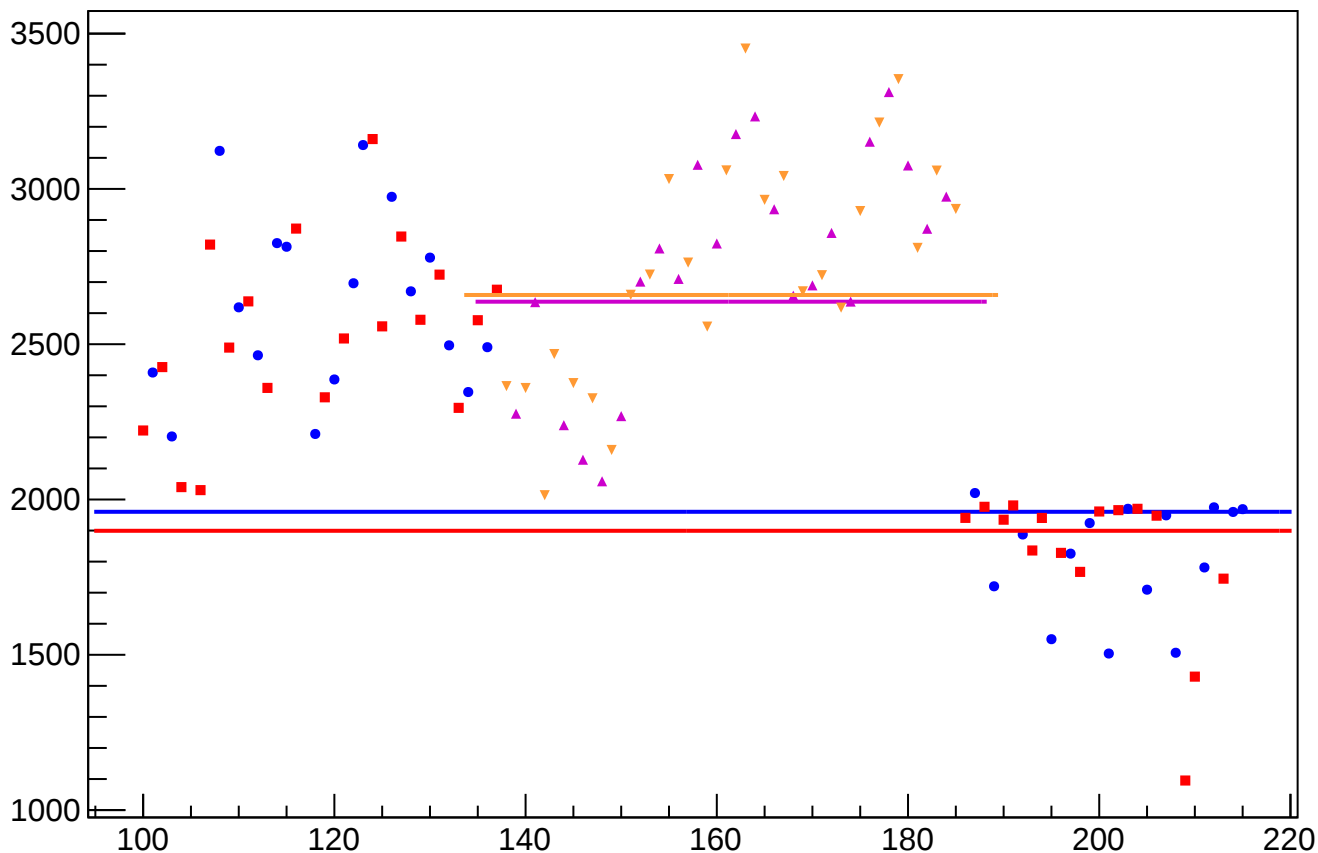
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.220 ± 0.382 χ^2/NDF : 1902.4/56

All: -6.598 ± 0.269 χ^2/NDF : 11558.3/113

- sign -12.918 ± 0.380 χ^2/NDF : 9100.2/56

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: 1899.269 $\pm$ 0.333 χ^2 /NDF: 1823863.4/33

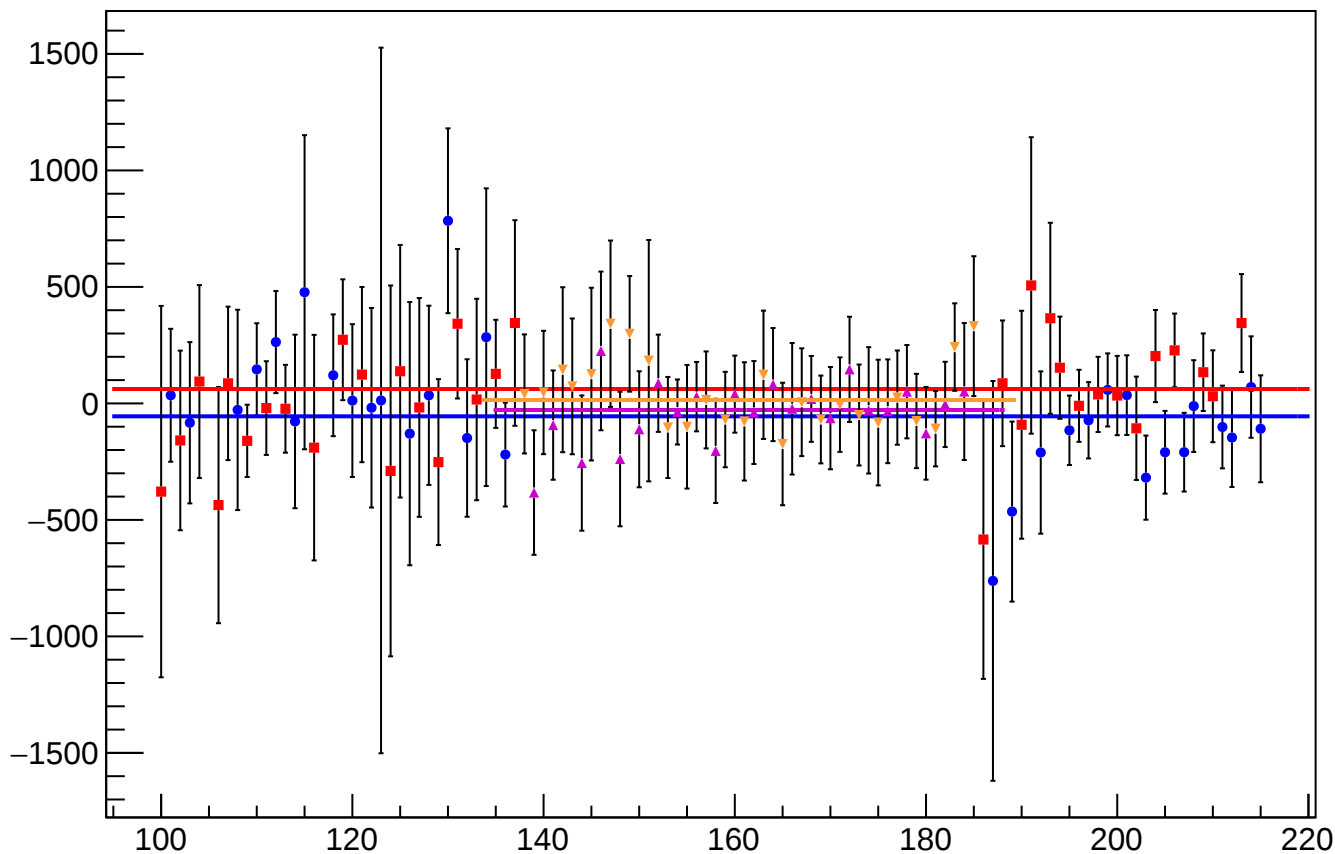
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2220.519 $\pm$ 0.270 χ^2 /NDF: 3362381.3/56

All: 2188.996 $\pm$ 0.190 χ^2 /NDF: 7581571.5/11

- sign 2157.762 $\pm$ 0.269 χ^2 /NDF: 4192042.7/56

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: 61.770 ± 43.071 χ^2/NDF : 14.2/33

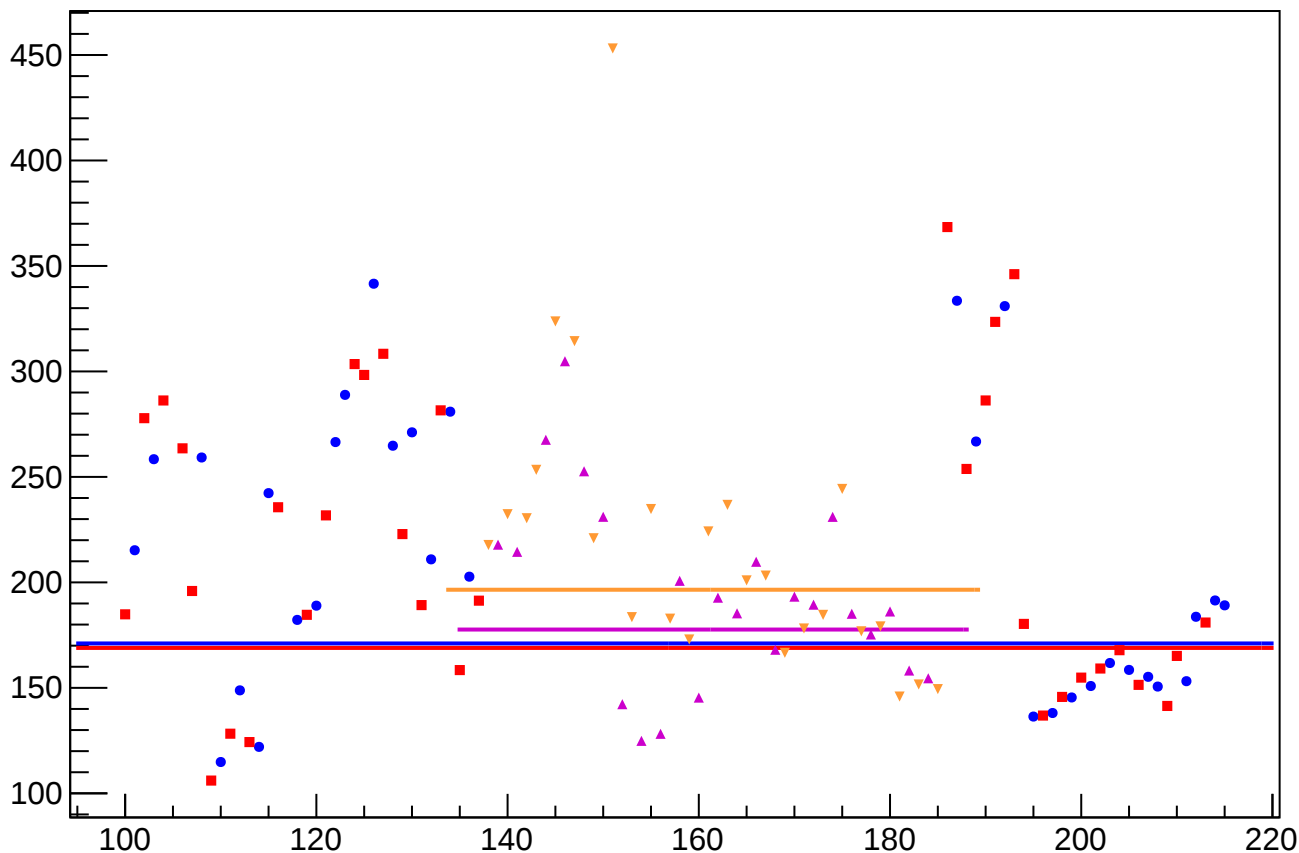
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign -24.216 ± 31.741 χ^2/NDF : 26.2/56

All: -2.433 ± 22.176 χ^2/NDF : 49.8/113

- sign 18.339 ± 30.995 χ^2/NDF : 22.6/56

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: 168.930 $\pm$ 0.030 χ^2 /NDF: 2838483.8/33

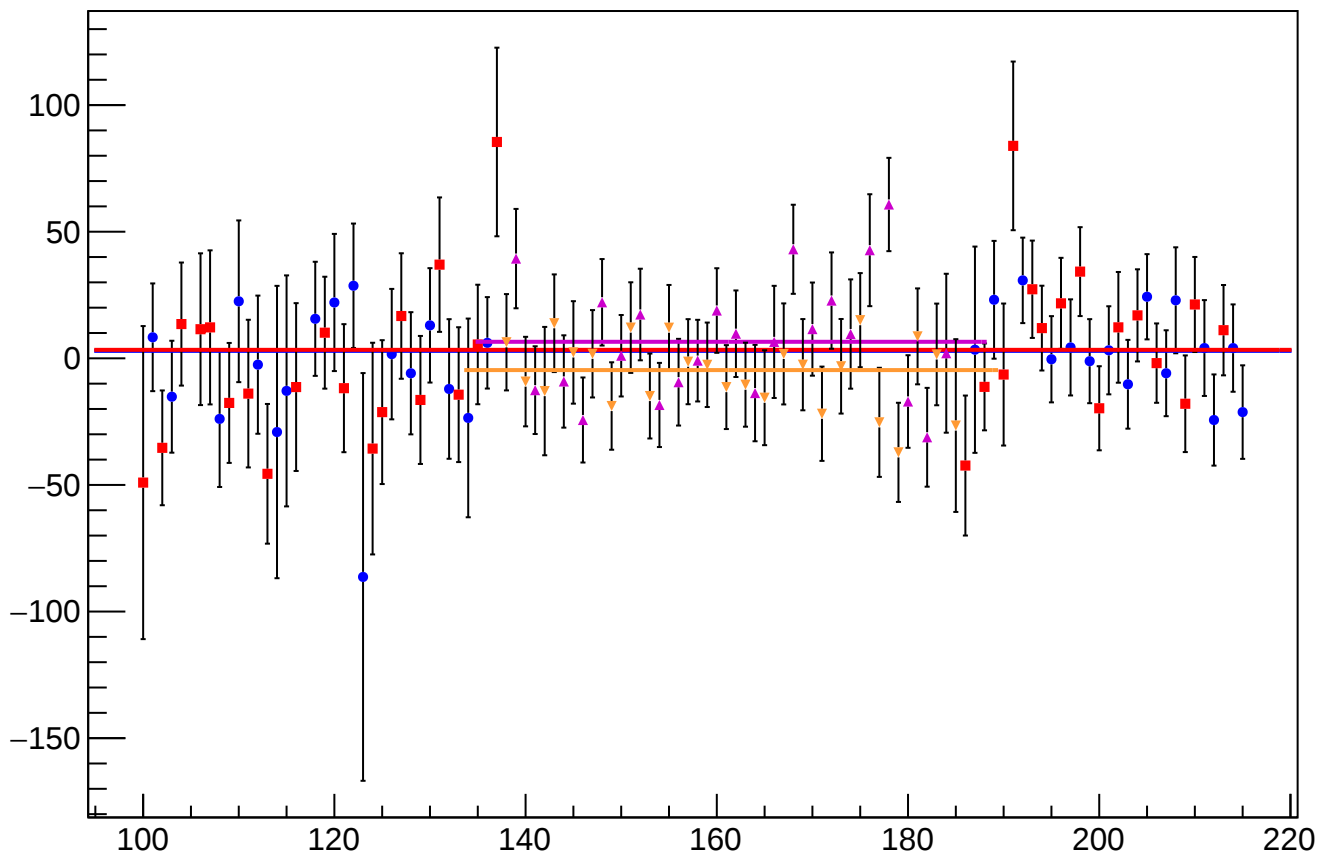
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 182.407 $\pm$ 0.022 χ^2 /NDF: 4280892.7/56

All: 177.659 $\pm$ 0.016 χ^2 /NDF: 8876929.8/113

- sign 173.131 $\pm$ 0.022 χ^2 /NDF: 4508608.3/56

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: 3.351 ± 3.884 χ^2/NDF : 38.8/33

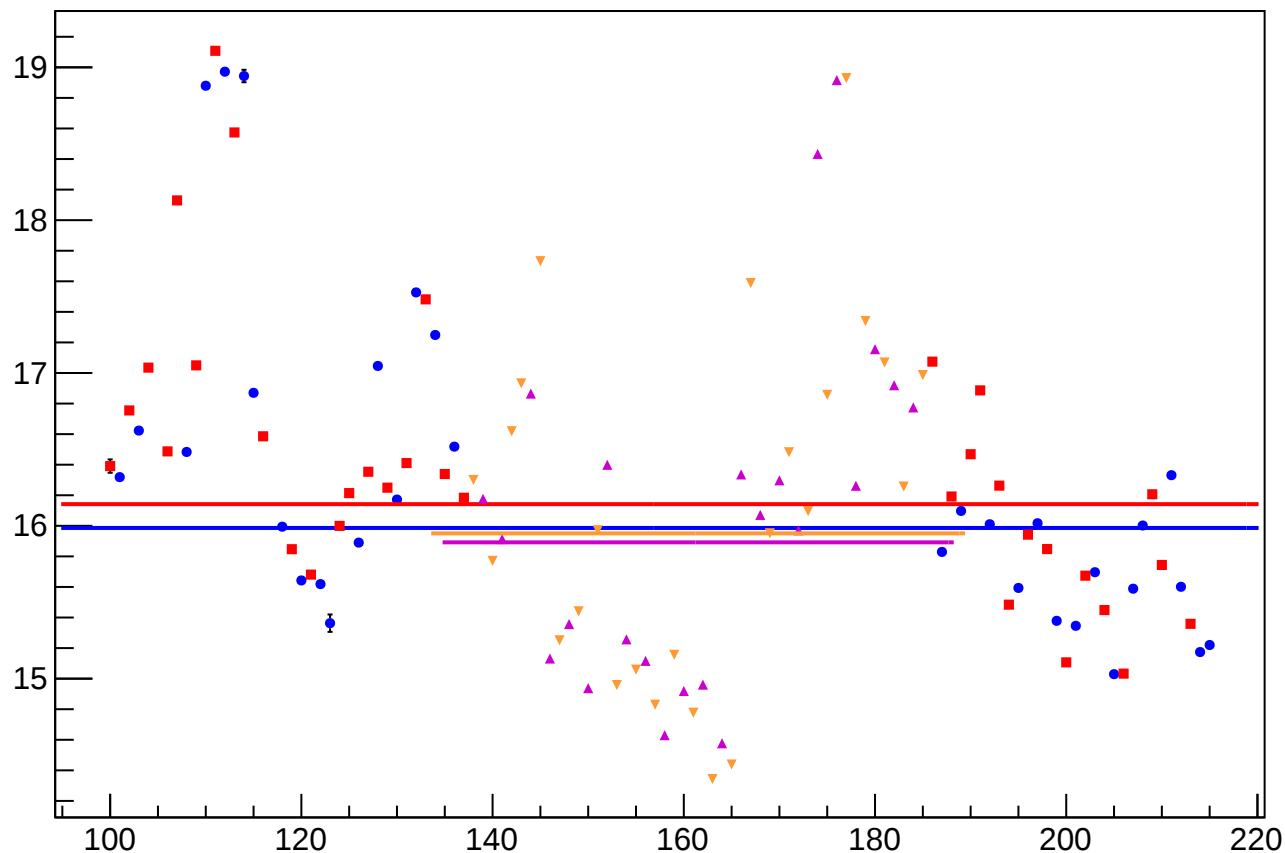
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -0.958 ± 2.673 χ^2/NDF : 31.9/56

All: 1.944 ± 1.909 χ^2/NDF : 109.8/113

- sign 4.962 ± 2.726 χ^2/NDF : 75.6/56

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: 16.142 $\pm$ 0.003 χ^2 /NDF: 93124.8/33

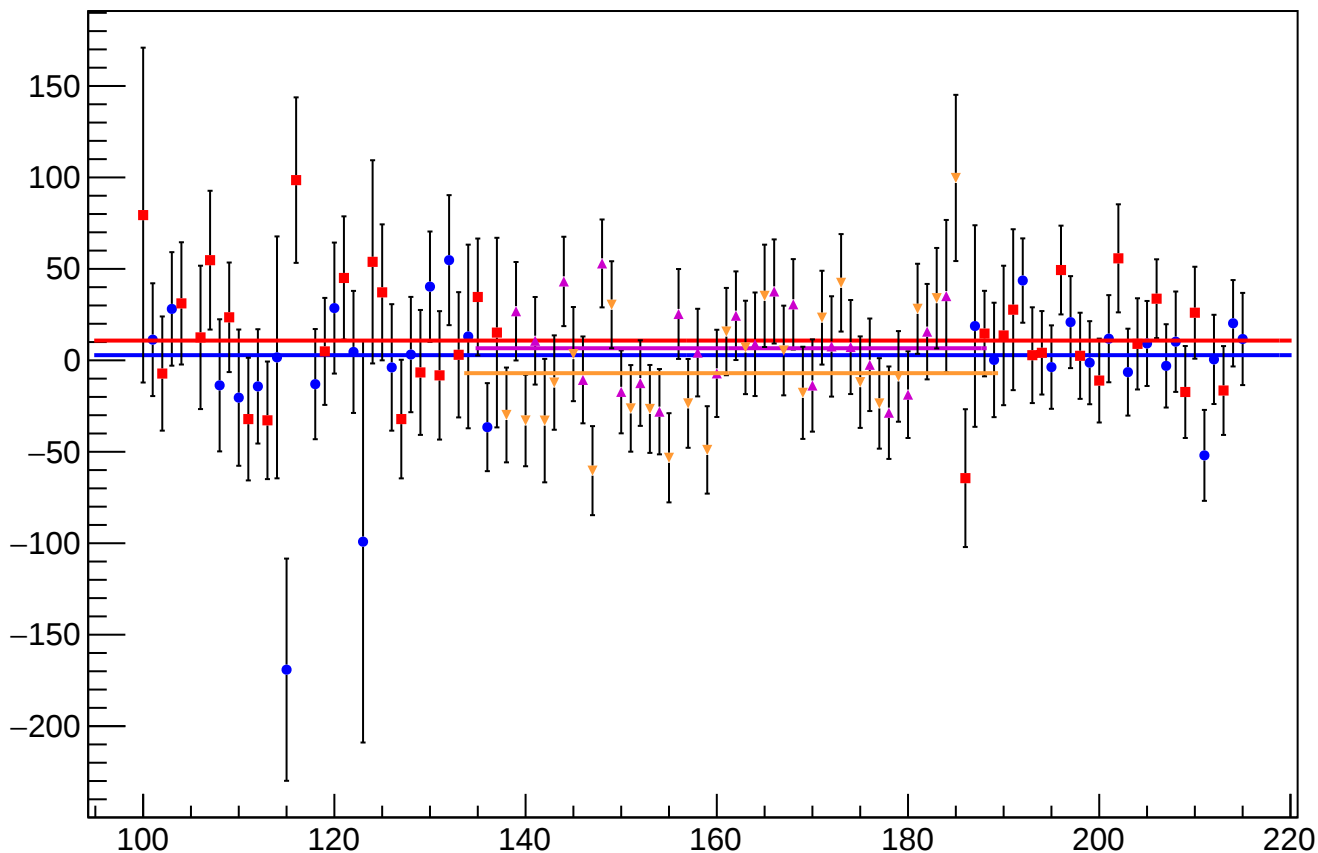
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 15.968 $\pm$ 0.002 χ^2 /NDF: 261833.1/56

All: 15.991 $\pm$ 0.001 χ^2 /NDF: 506555.6/113

- sign 16.015 $\pm$ 0.002 χ^2 /NDF: 244418.1/56

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: 10.806 ± 5.194 χ^2/NDF : 29.4/33

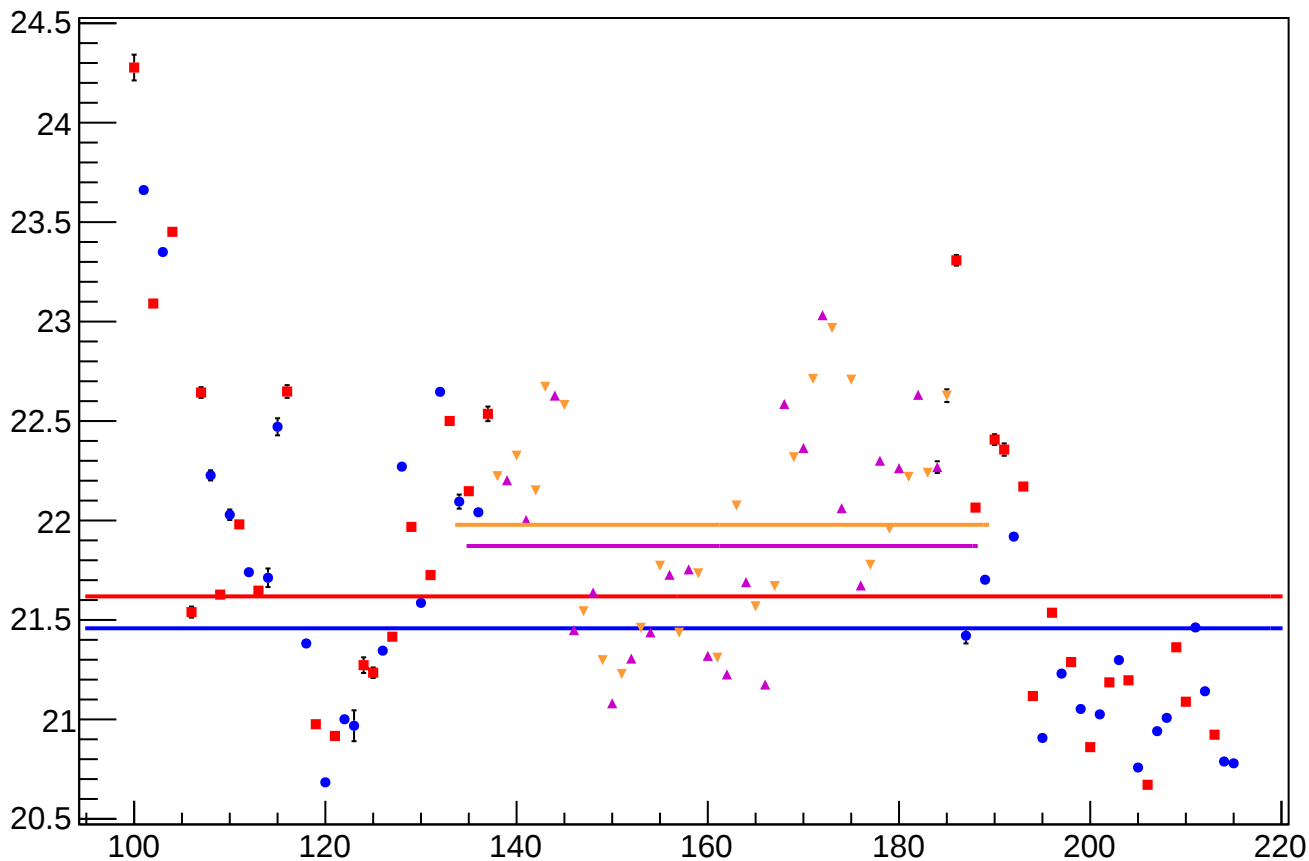
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -2.115 ± 3.629 χ^2/NDF : 66.9/56

All: 3.214 ± 2.588 χ^2/NDF : 120.1/113

- sign 8.732 ± 3.693 χ^2/NDF : 48.8/56

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: 21.618 ± 0.004 χ^2/NDF : 38047.0/33

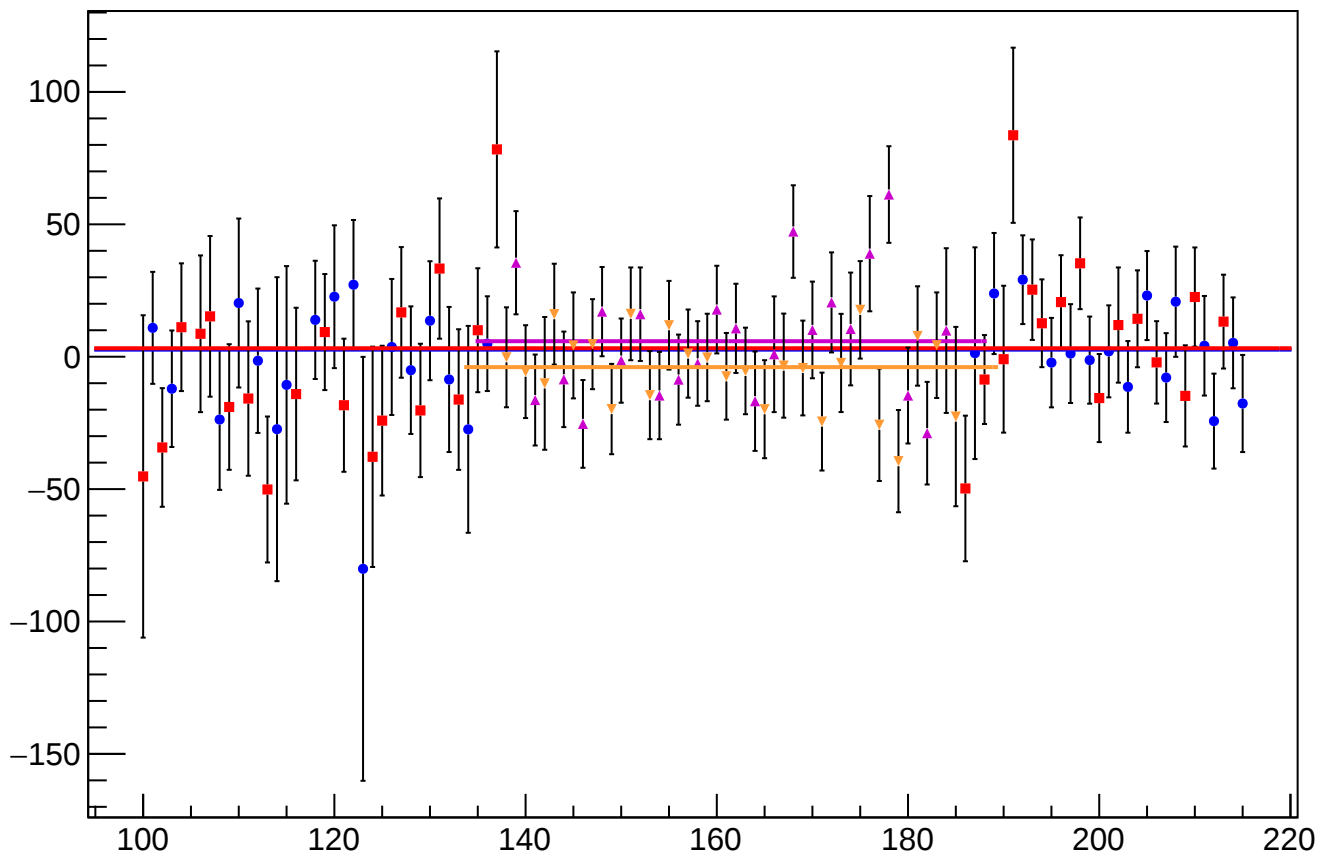
Left In: 21.872 ± 0.004 χ^2/NDF : 20524.9/22

+ sign 21.719 ± 0.003 χ^2/NDF : 66386.0/56

All: 21.731 ± 0.002 χ^2/NDF : 127355.7/113

- sign 21.744 ± 0.003 χ^2/NDF : 60925.3/56

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: 3.196 ± 3.858 χ^2/NDF : 39.4/33

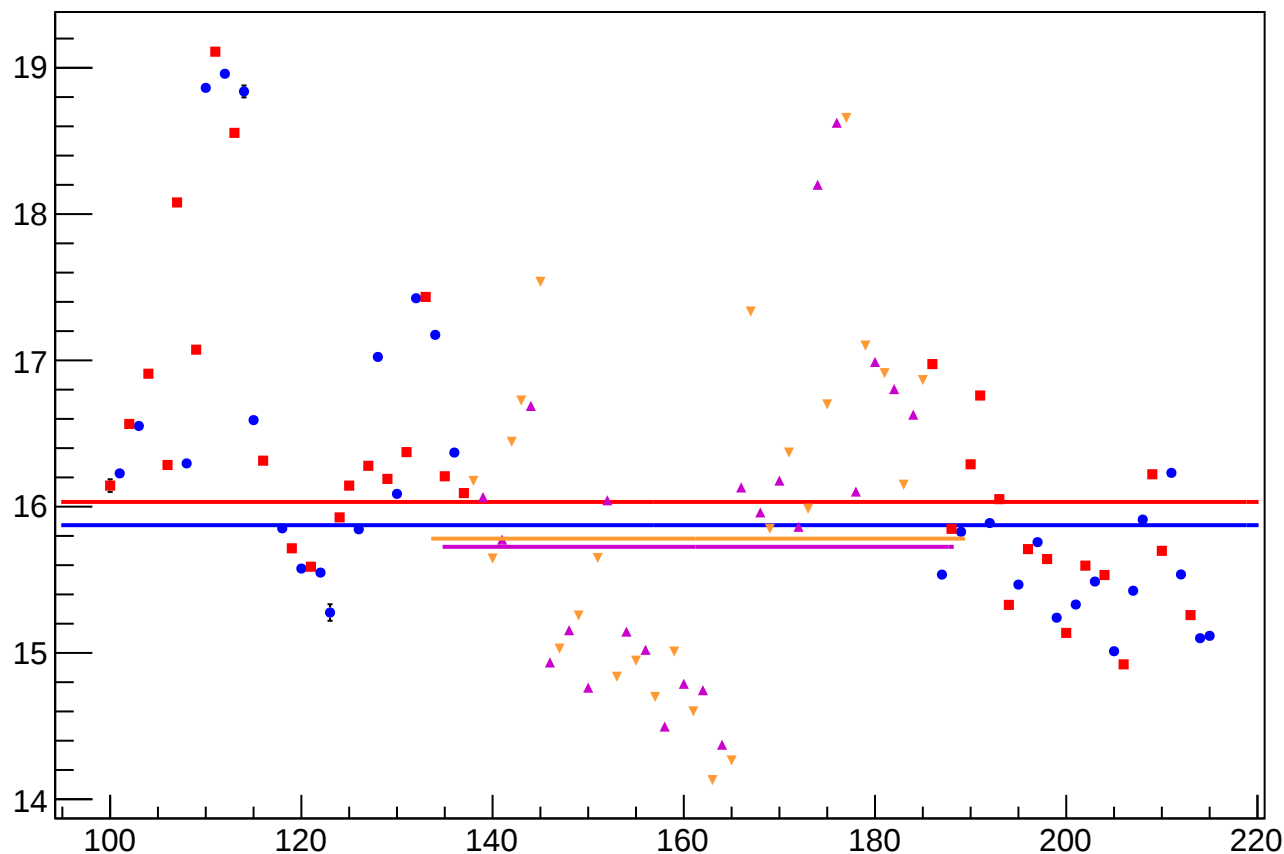
Left In: 5.861 ± 3.787 χ^2/NDF : 36.2/22

+ sign -0.732 ± 2.650 χ^2/NDF : 32.1/56

All: 1.858 ± 1.892 χ^2/NDF : 109.9/113

- sign 4.554 ± 2.703 χ^2/NDF : 75.8/56

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: 16.032 $\pm$ 0.003 χ^2 /NDF: 95405.6/33

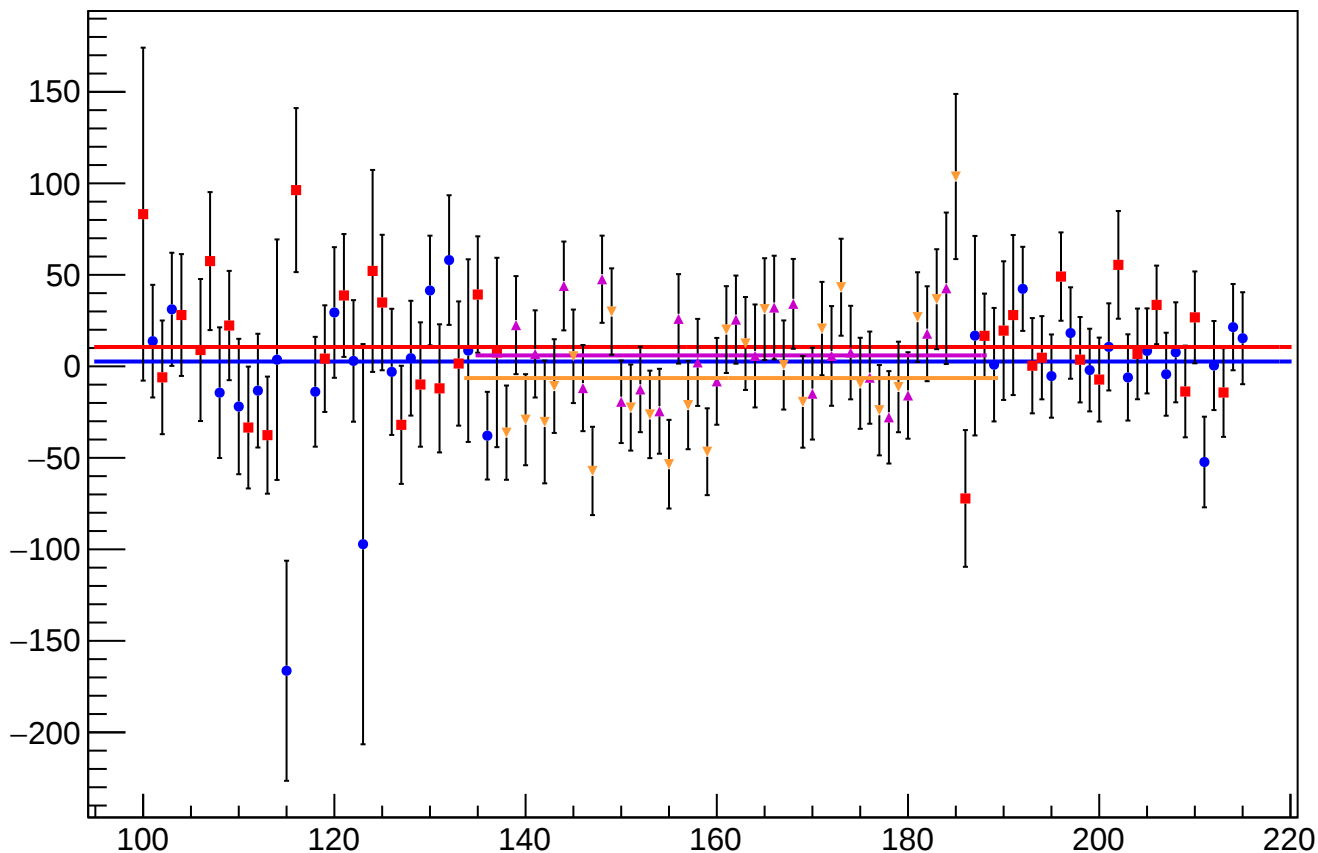
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF:145830.9/22

+ sign 15.826 $\pm$ 0.002 χ^2 /NDF: 263970.1/56

All: 15.850 $\pm$ 0.001 χ^2 /NDF: 512001.6/113

- sign 15.876 $\pm$ 0.002 χ^2 /NDF: 247680.6/56

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: 10.580 ± 5.169 χ^2/NDF : 30.3/33

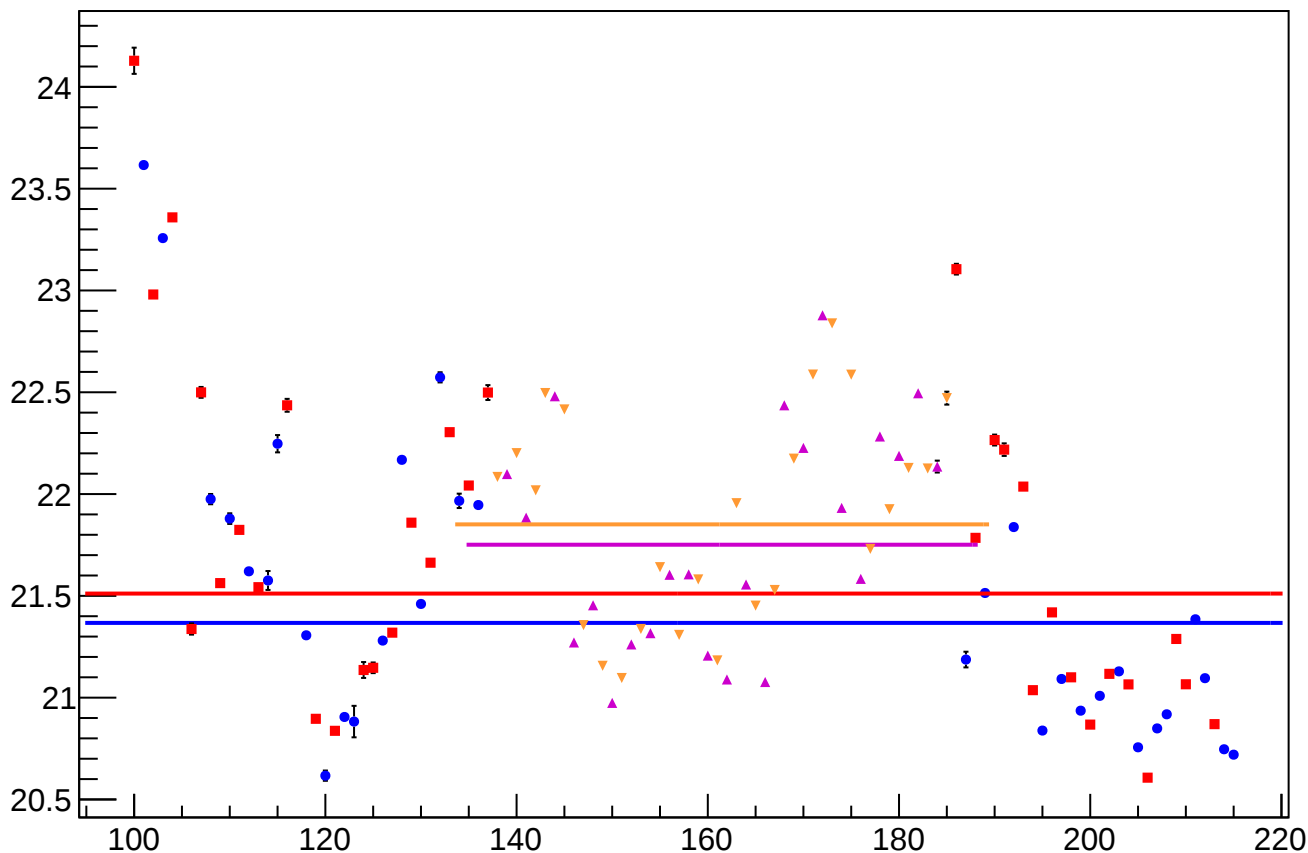
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -1.909 ± 3.611 χ^2/NDF : 67.4/56

All: 3.109 ± 2.575 χ^2/NDF : 120.5/113

- sign 8.303 ± 3.674 χ^2/NDF : 49.2/56

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: 21.511 $\pm$ 0.004 χ^2 /NDF: 35308.4/33

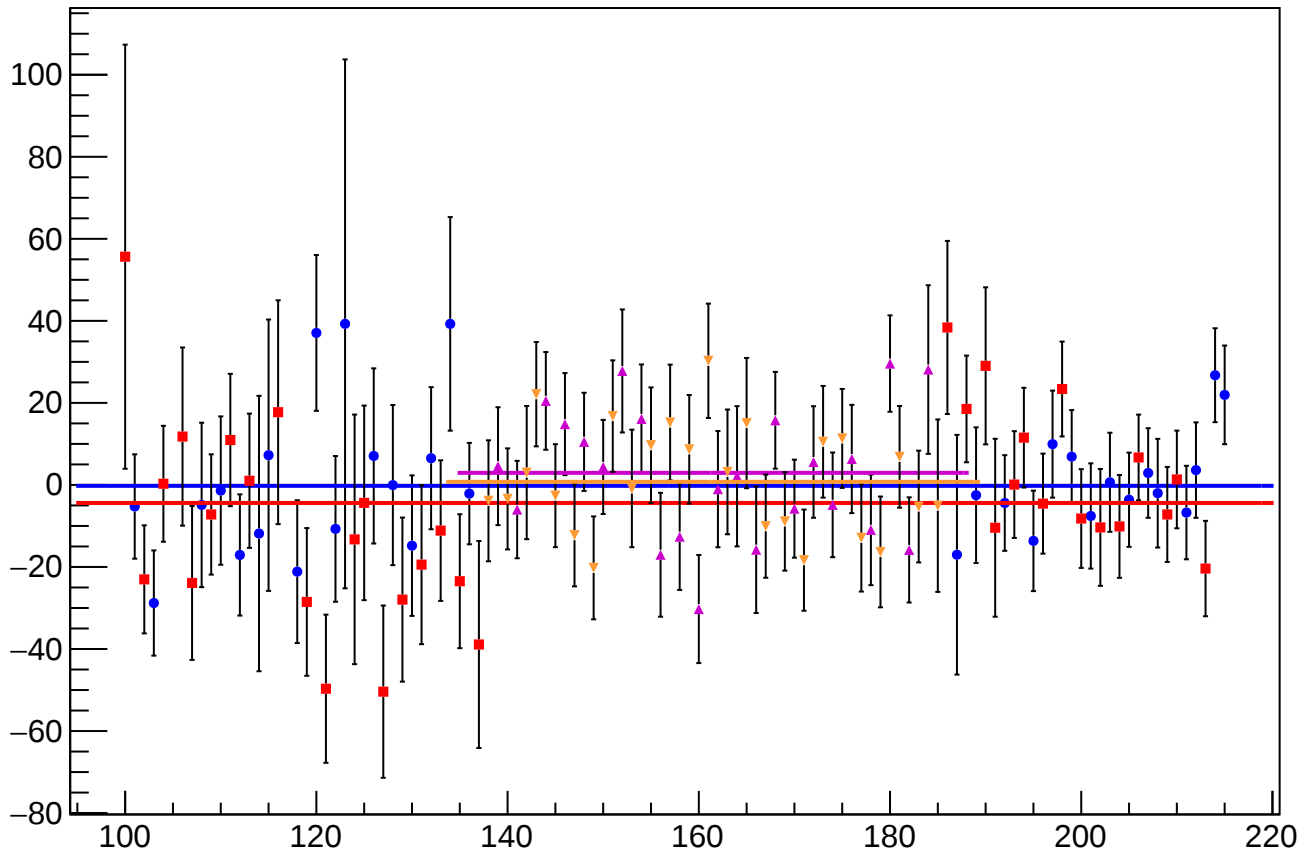
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF: 20516.3/22

+ sign 21.611 $\pm$ 0.003 χ^2 /NDF: 64290.1/56

All: 21.620 $\pm$ 0.002 χ^2 /NDF: 122276.0/113

- sign 21.630 $\pm$ 0.003 χ^2 /NDF: 57957.5/56

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.218 ± 2.583 χ^2/NDF : 28.6/31

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -4.391 ± 2.635 χ^2/NDF : 46.9/33

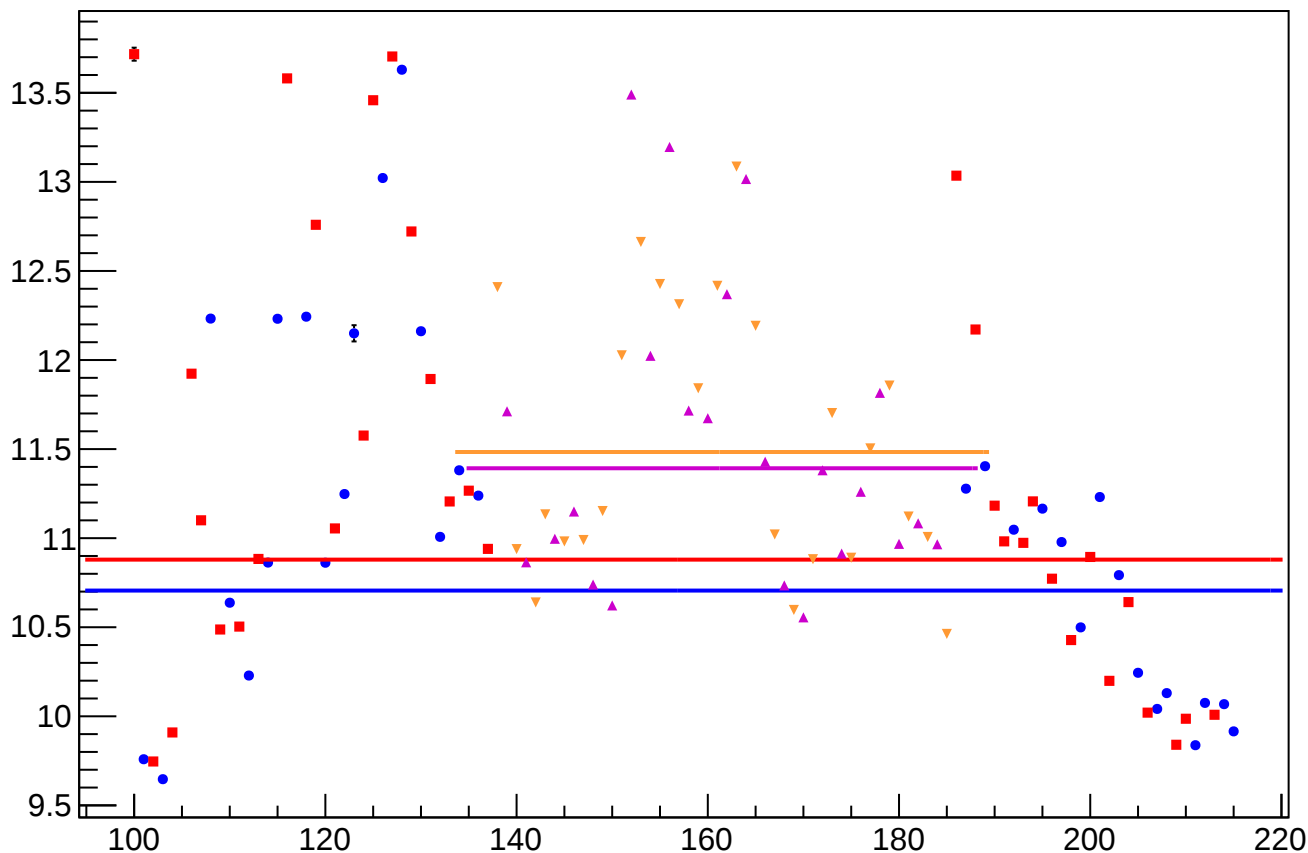
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign 0.249 ± 1.866 χ^2/NDF : 52.4/56

All: -0.308 ± 1.333 χ^2/NDF : 134.1/113

- sign -0.889 ± 1.905 χ^2/NDF : 81.5/56

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: 10.880 $\pm$ 0.002 χ^2 /NDF: 267701.1/33

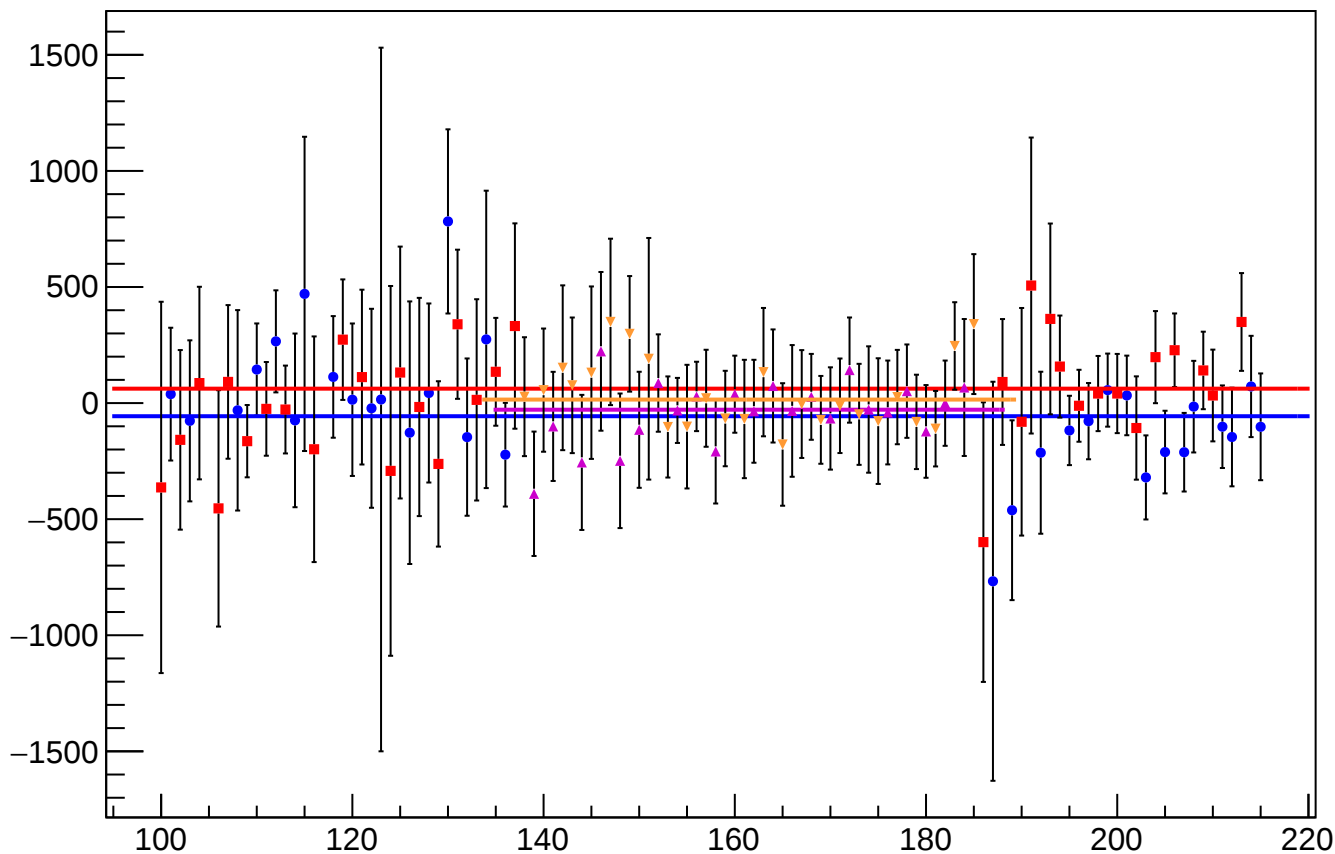
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.078 $\pm$ 0.001 χ^2 /NDF: 426961.0/56

All: 11.101 $\pm$ 0.001 χ^2 /NDF: 881920.7/113

- sign 11.124 $\pm$ 0.001 χ^2 /NDF: 454348.8/56

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -56.575 ± 42.746 $\chi^2/\text{NDF}: 17.2/31$

Left Out: 15.130 ± 47.705 $\chi^2/\text{NDF}: 8.0/24$

Right Out: 62.126 ± 43.184 $\chi^2/\text{NDF}: 14.4/33$

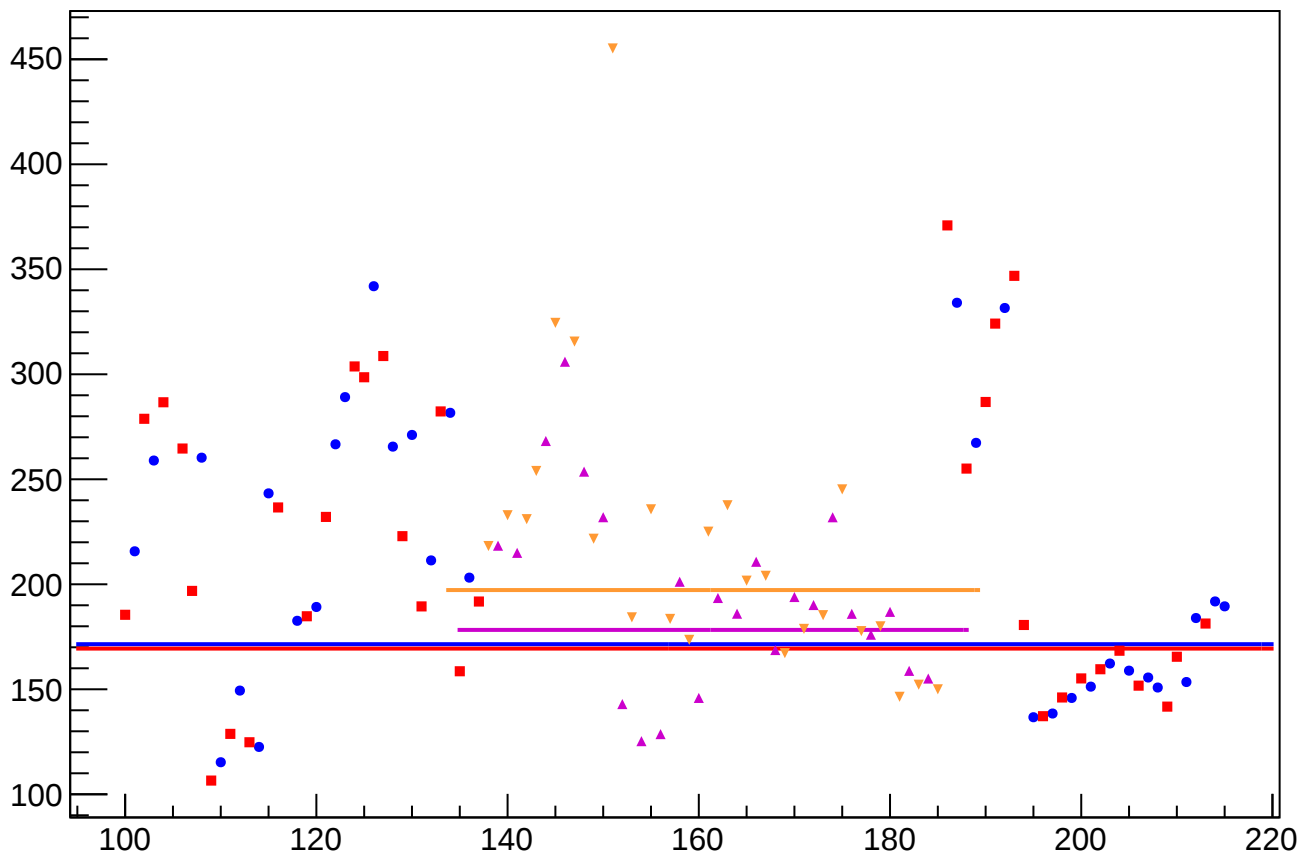
Left In: -28.500 ± 44.797 $\chi^2/\text{NDF}: 6.4/22$

+ sign -24.642 ± 31.835 $\chi^2/\text{NDF}: 26.4/56$

All: -2.574 ± 22.243 $\chi^2/\text{NDF}: 50.3/113$

- sign 18.474 ± 31.090 $\chi^2/\text{NDF}: 23.0/56$

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: 169.380 $\pm$ 0.031 χ^2 /NDF: 2835072.6/33

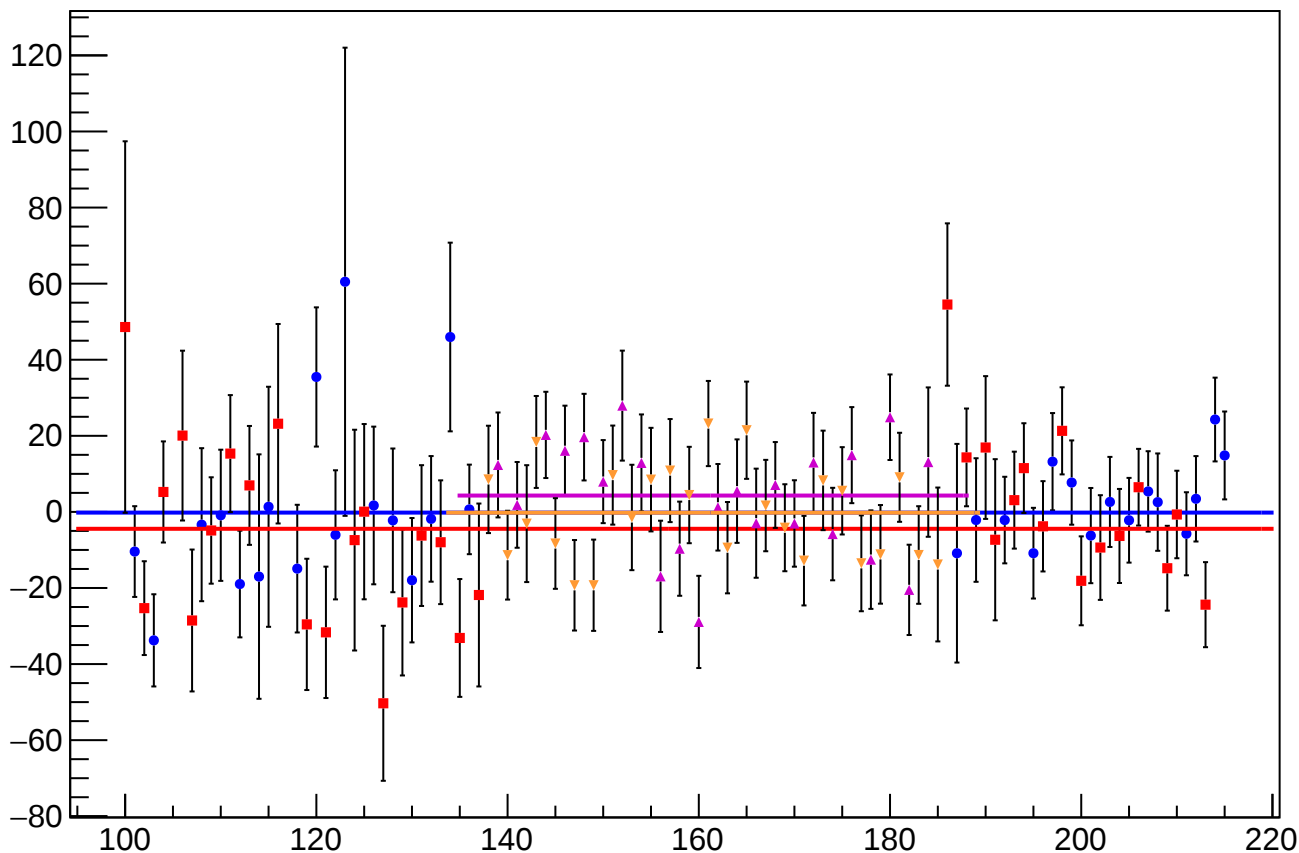
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF: 1628916.6/22

+ sign 182.952 $\pm$ 0.023 χ^2 /NDF: 4279029.7/56

All: 178.199 $\pm$ 0.016 χ^2 /NDF: 8871007.6/113

- sign 173.666 $\pm$ 0.022 χ^2 /NDF: 4504875.7/56

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: -4.442 ± 2.549 χ^2/NDF : 50.7/33

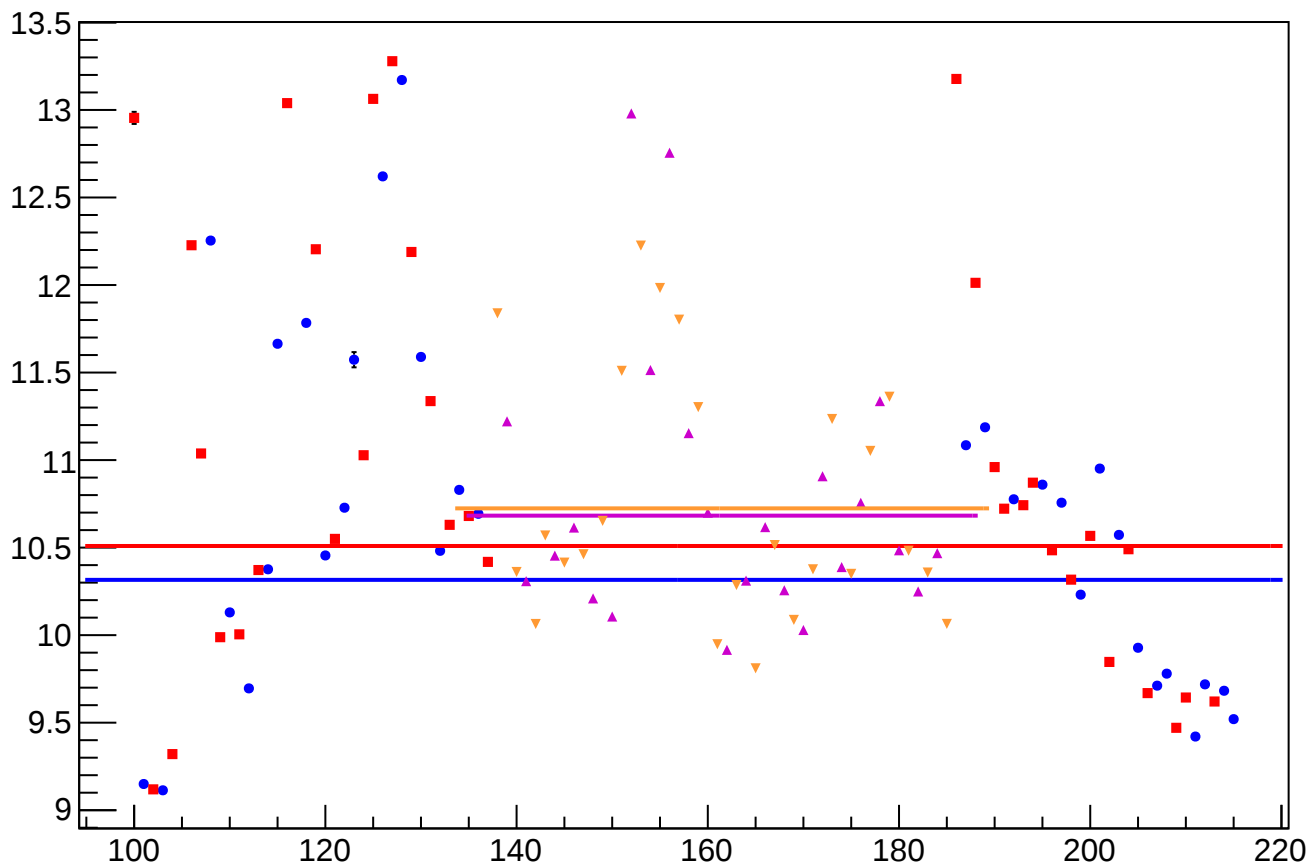
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -0.197 ± 1.773 χ^2/NDF : 55.6/56

All: -0.170 ± 1.269 χ^2/NDF : 143.6/113

- sign -0.141 ± 1.816 χ^2/NDF : 88.0/56

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: 10.509 $\pm$ 0.002 χ^2 /NDF: 307789.8/33

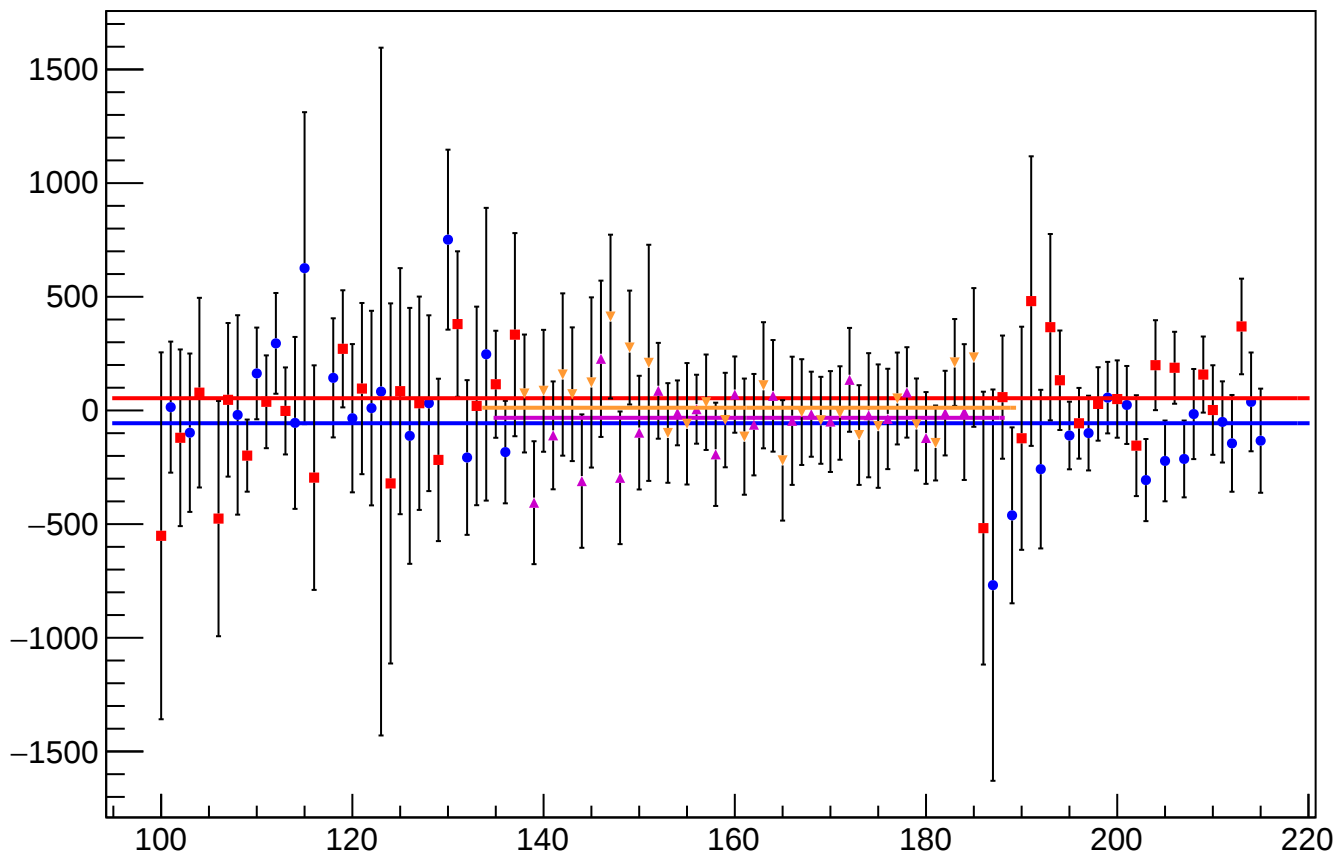
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF: 147835.6/22

+ sign 10.517 $\pm$ 0.001 χ^2 /NDF: 398290.7/56

All: 10.555 $\pm$ 0.001 χ^2 /NDF: 860320.3/113

- sign 10.595 $\pm$ 0.001 χ^2 /NDF: 460177.5/56

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -56.214 ± 42.806 $\chi^2/\text{NDF}: 17.6/31$

Left Out: 11.891 ± 48.022 $\chi^2/\text{NDF}: 7.6/24$

Right Out: 53.848 ± 43.313 $\chi^2/\text{NDF}: 15.5/33$

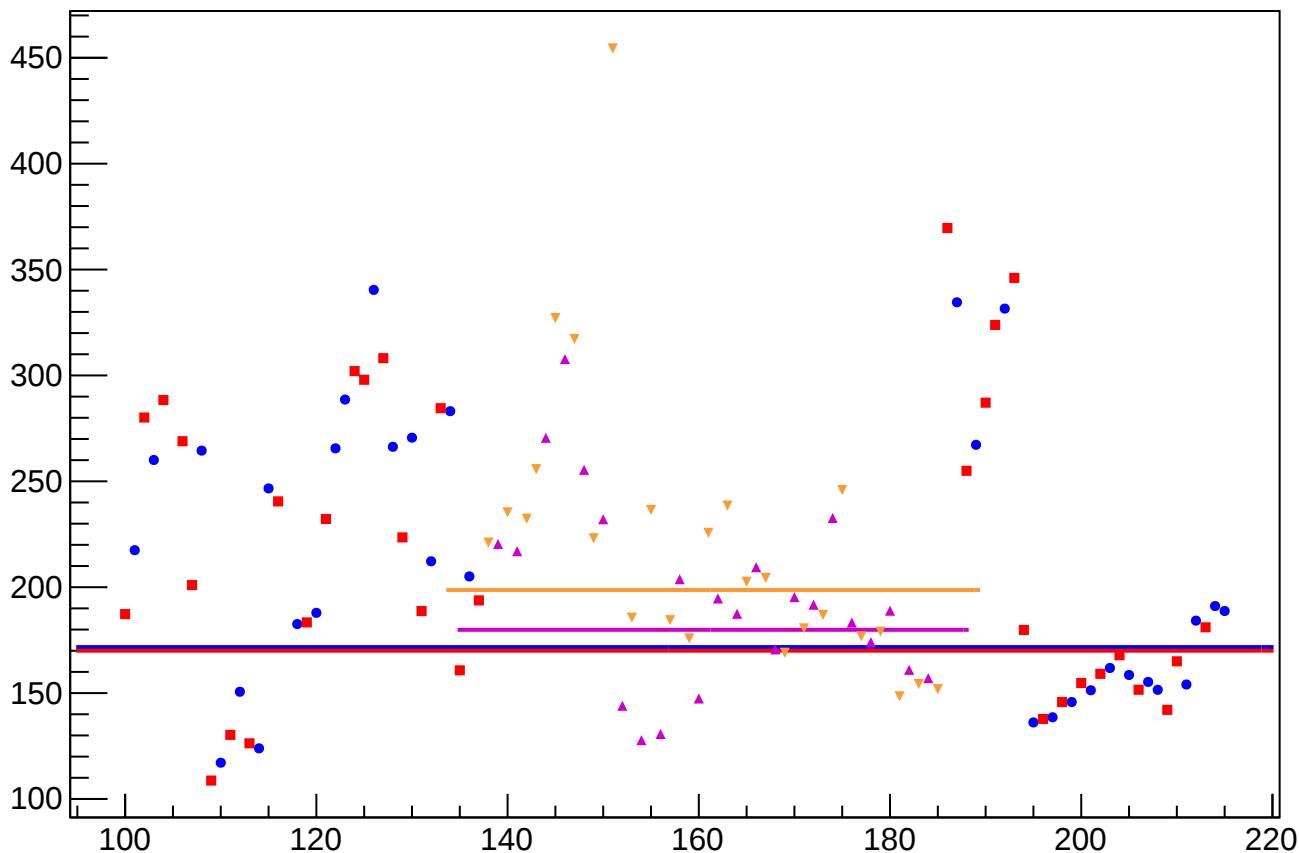
Left In: -32.413 ± 45.155 $\chi^2/\text{NDF}: 6.9/22$

+ sign -26.060 ± 31.954 $\chi^2/\text{NDF}: 26.3/56$

All: -6.349 ± 22.345 $\chi^2/\text{NDF}: 51.4/113$

- sign 12.513 ± 31.258 $\chi^2/\text{NDF}: 24.3/56$

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: 170.023 $\pm$ 0.031 χ^2 /NDF: 2794196.9/33

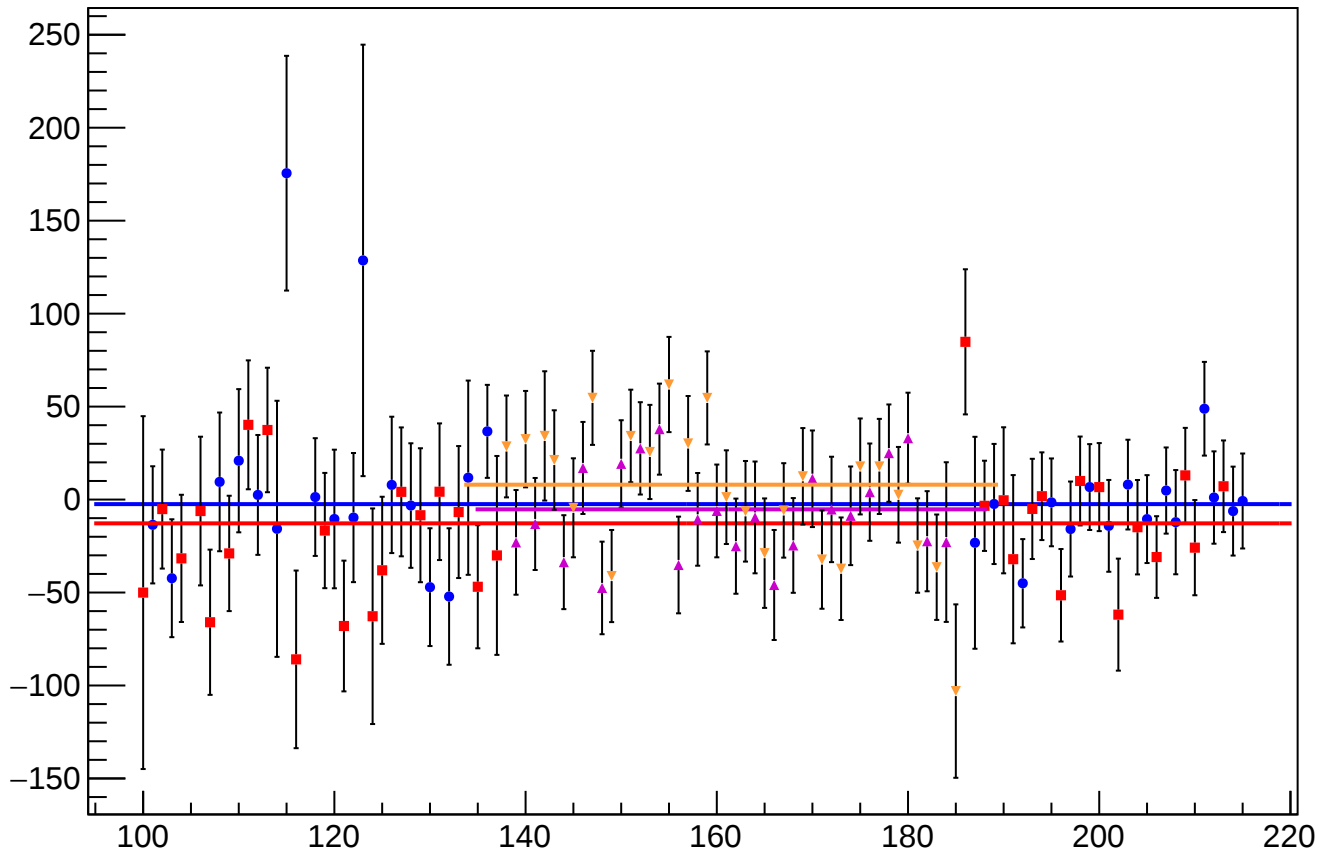
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF: 1580636.4/22

+ sign 183.665 $\pm$ 0.023 χ^2 /NDF: 4274354.7/56

All: 179.109 $\pm$ 0.016 χ^2 /NDF: 8778445.5/113

- sign 174.750 $\pm$ 0.022 χ^2 /NDF: 4424530.1/56

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: -12.797 ± 5.356 χ^2/NDF : 31.3/33

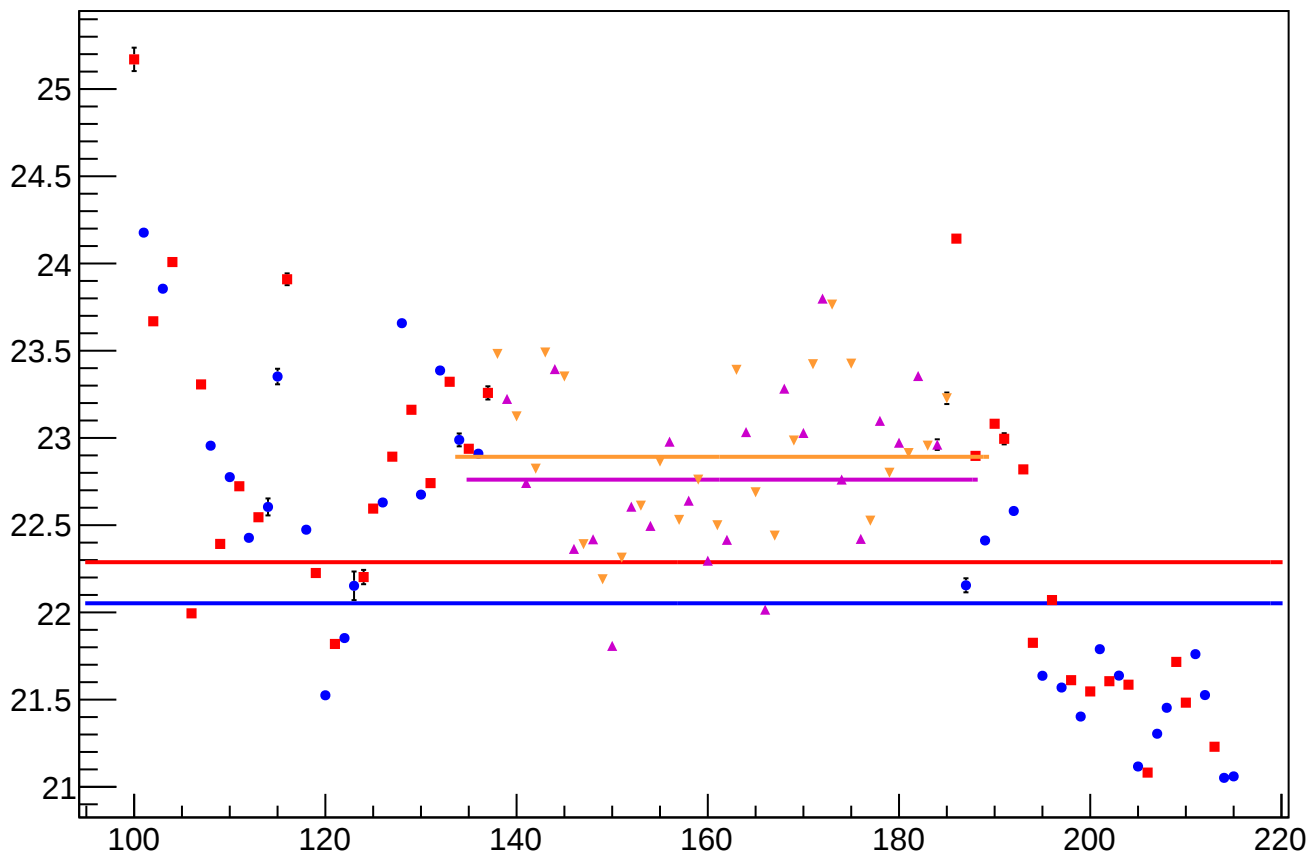
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 2.731 ± 3.755 χ^2/NDF : 66.1/56

All: -3.077 ± 2.680 χ^2/NDF : 124.0/113

- sign -9.105 ± 3.825 χ^2/NDF : 53.1/56

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: 22.288 $\pm$ 0.004 χ^2 /NDF: 48156.2/33

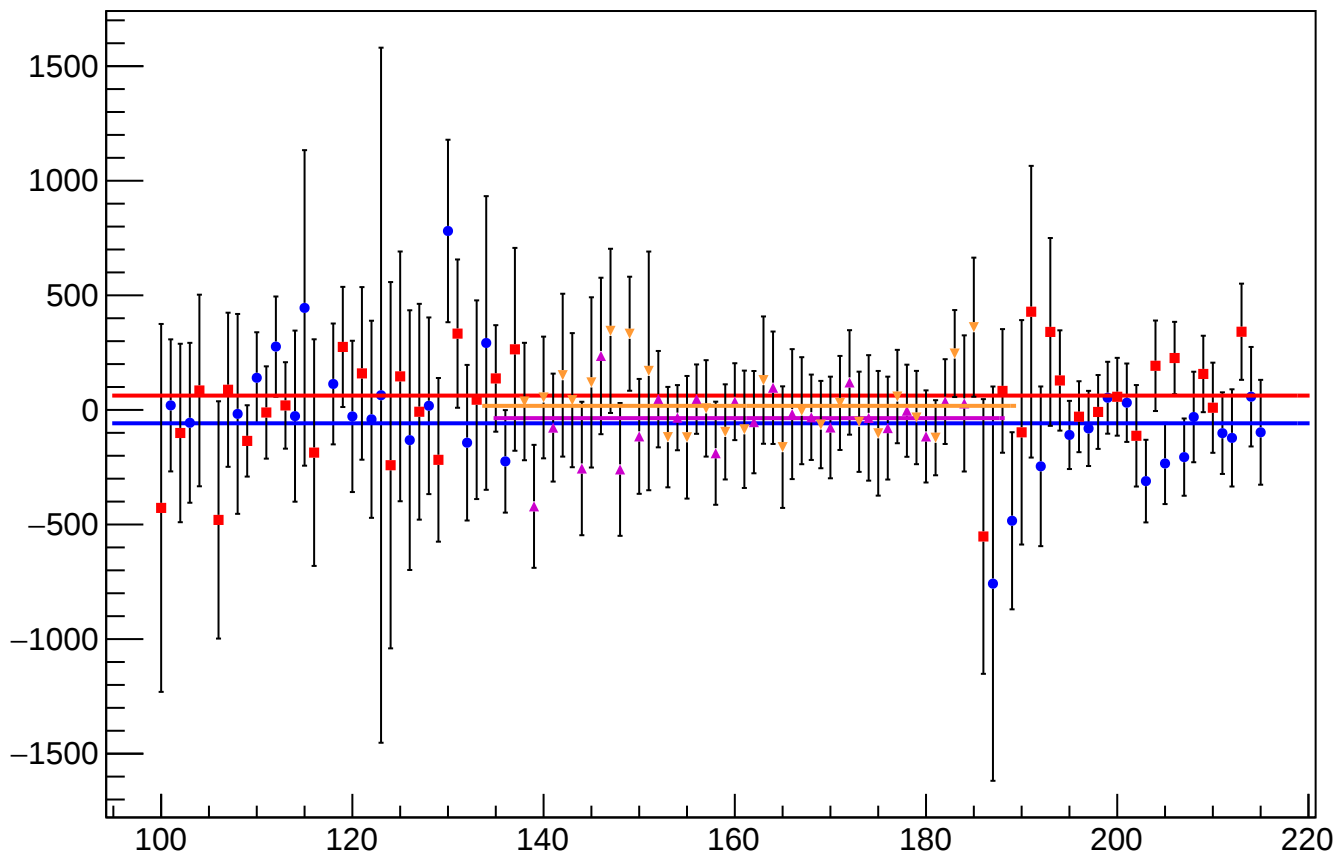
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF: 14550.0/22

+ sign 22.468 $\pm$ 0.003 χ^2 /NDF: 87804.8/56

All: 22.494 $\pm$ 0.002 χ^2 /NDF: 158340.0/113

- sign 22.520 $\pm$ 0.003 χ^2 /NDF: 70352.3/56

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -58.370 ± 42.687 χ^2/NDF : 17.1/31

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 62.525 ± 43.130 χ^2/NDF : 13.1/33

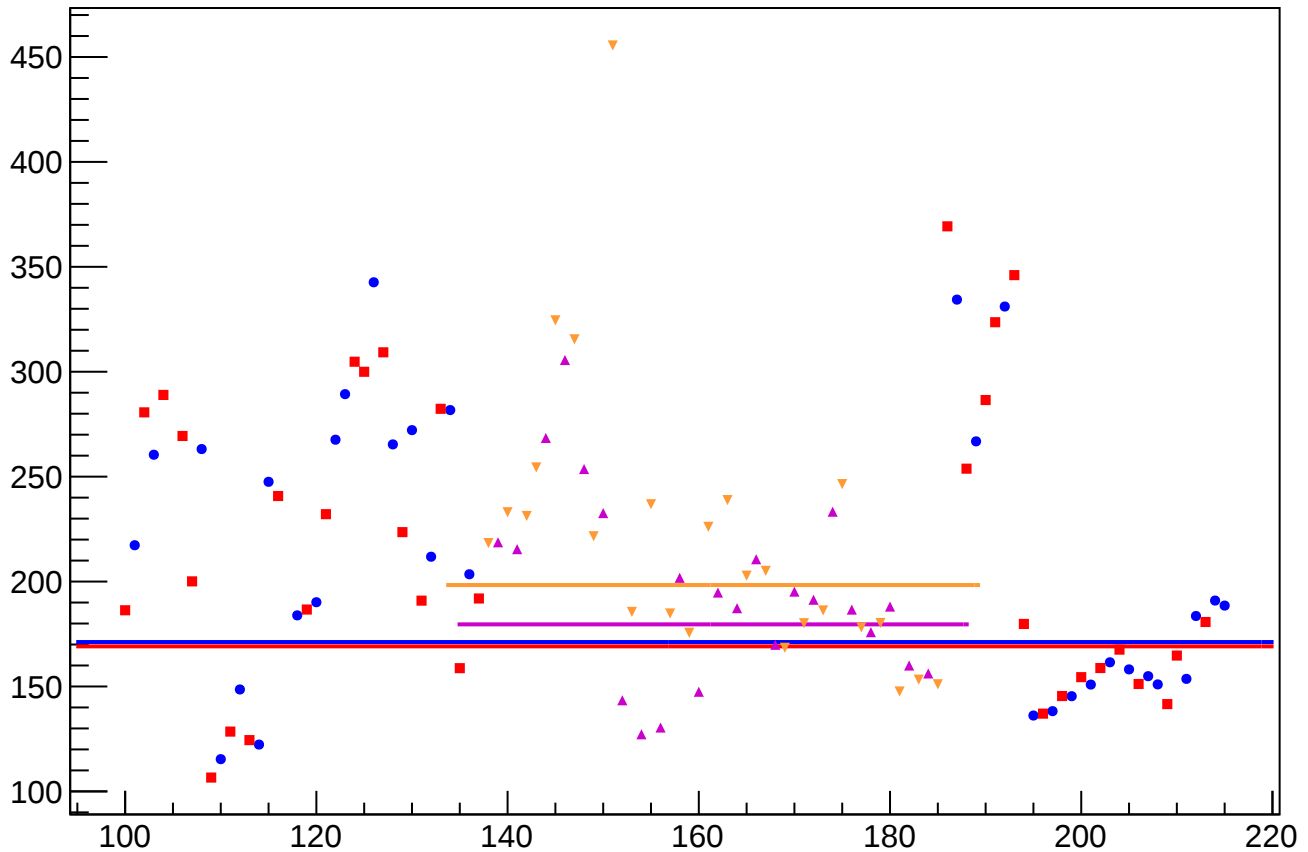
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign -24.696 ± 31.881 χ^2/NDF : 27.0/56

All: -4.140 ± 22.286 χ^2/NDF : 49.8/113

- sign 15.505 ± 31.166 χ^2/NDF : 21.9/56

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: 169.113+/-0.030 χ^2/NDF : 2862288.6/33

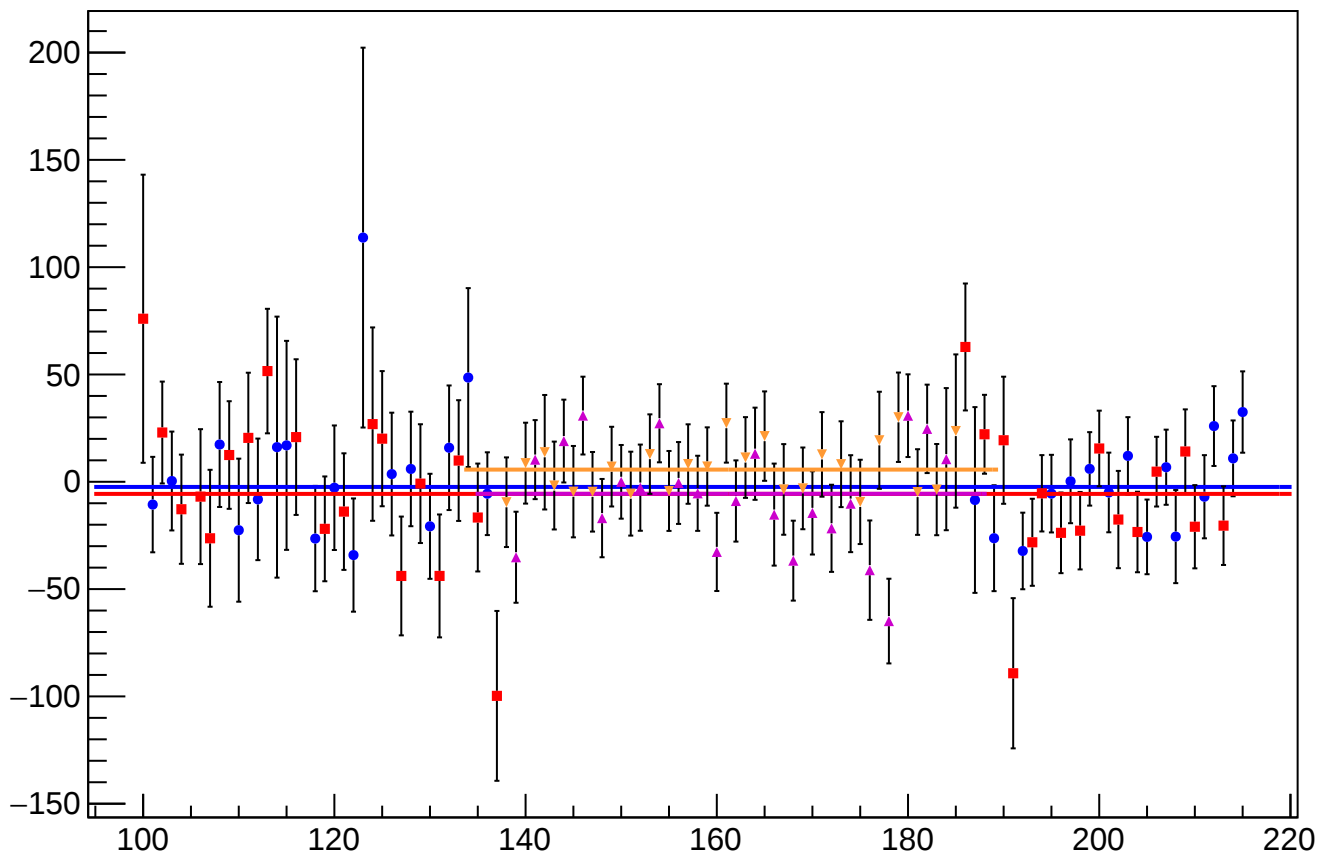
Left In: 179.605+/-0.032 χ^2/NDF : 1575744.0/22

+ sign 183.190+/-0.023 χ^2/NDF : 4310393.1/56

All: 178.555+/-0.016 χ^2/NDF : 8887627.1/113

- sign 174.126+/-0.022 χ^2/NDF : 4494582.9/56

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.398 ± 4.025 χ^2/NDF : 22.3/31

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -5.645 ± 4.096 χ^2/NDF : 43.2/33

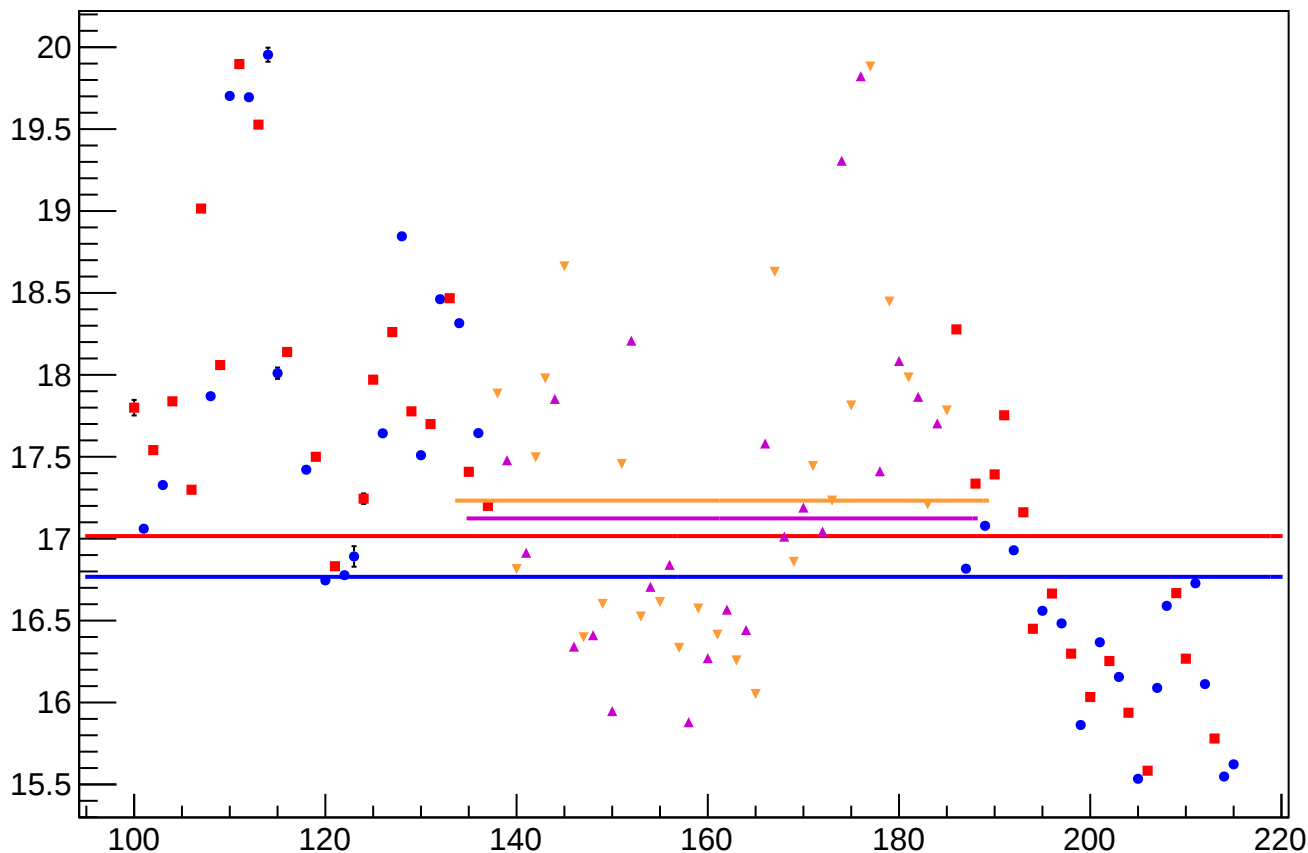
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 1.643 ± 2.846 χ^2/NDF : 32.0/56

All: -1.913 ± 2.033 χ^2/NDF : 114.8/113

- sign -5.620 ± 2.905 χ^2/NDF : 79.5/56

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: 17.016 $\pm$ 0.003 χ^2 /NDF: 119848.5/33

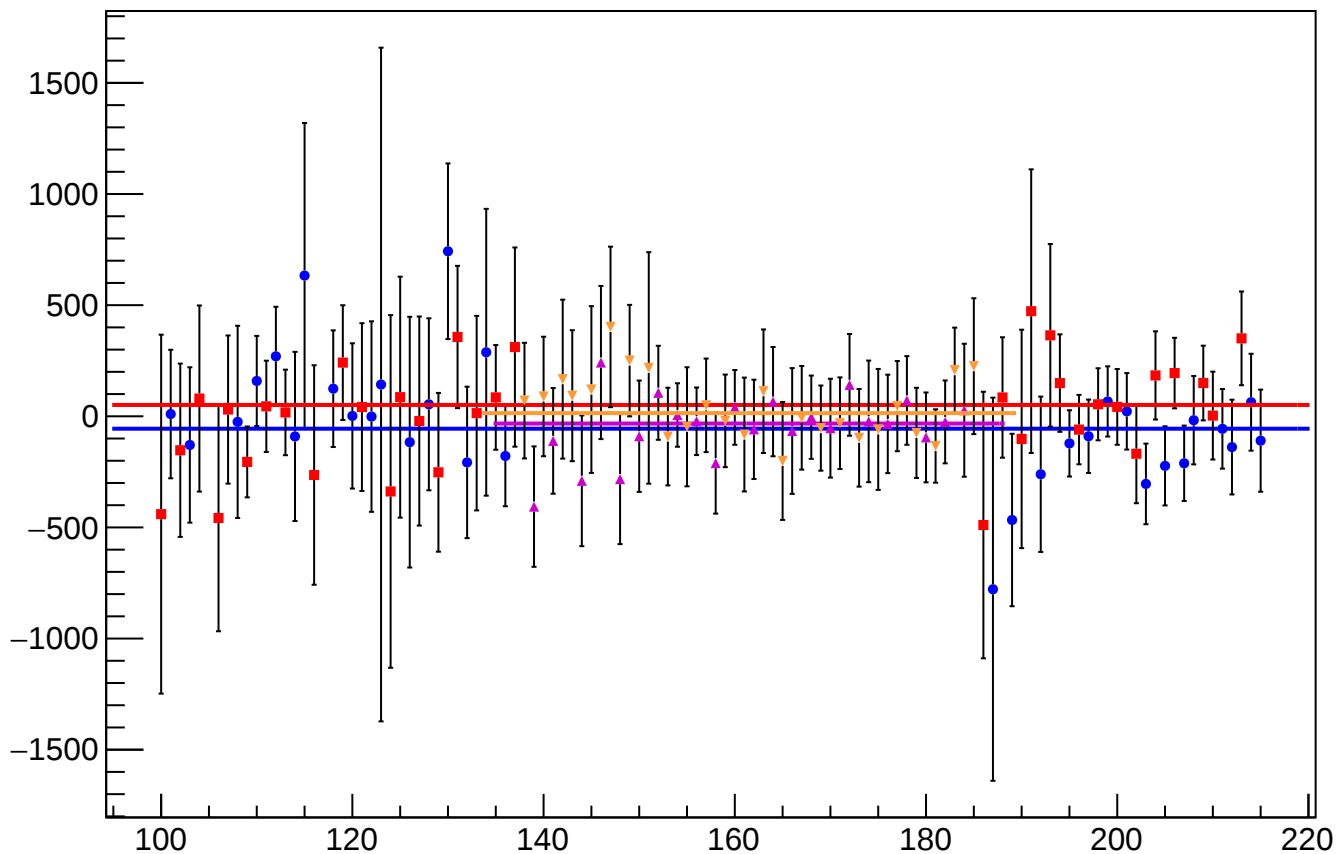
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.000 $\pm$ 0.002 χ^2 /NDF: 233600.8/56

All: 17.034 $\pm$ 0.001 χ^2 /NDF: 455470.4/113

- sign 17.069 $\pm$ 0.002 χ^2 /NDF: 221285.4/56

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -55.820 $\pm$ 42.933 χ^2 /NDF: 17.2/31

Left Out: 14.362 $\pm$ 48.130 χ^2 /NDF: 6.9/24

Right Out: 50.974 $\pm$ 43.427 χ^2 /NDF: 14.8/33

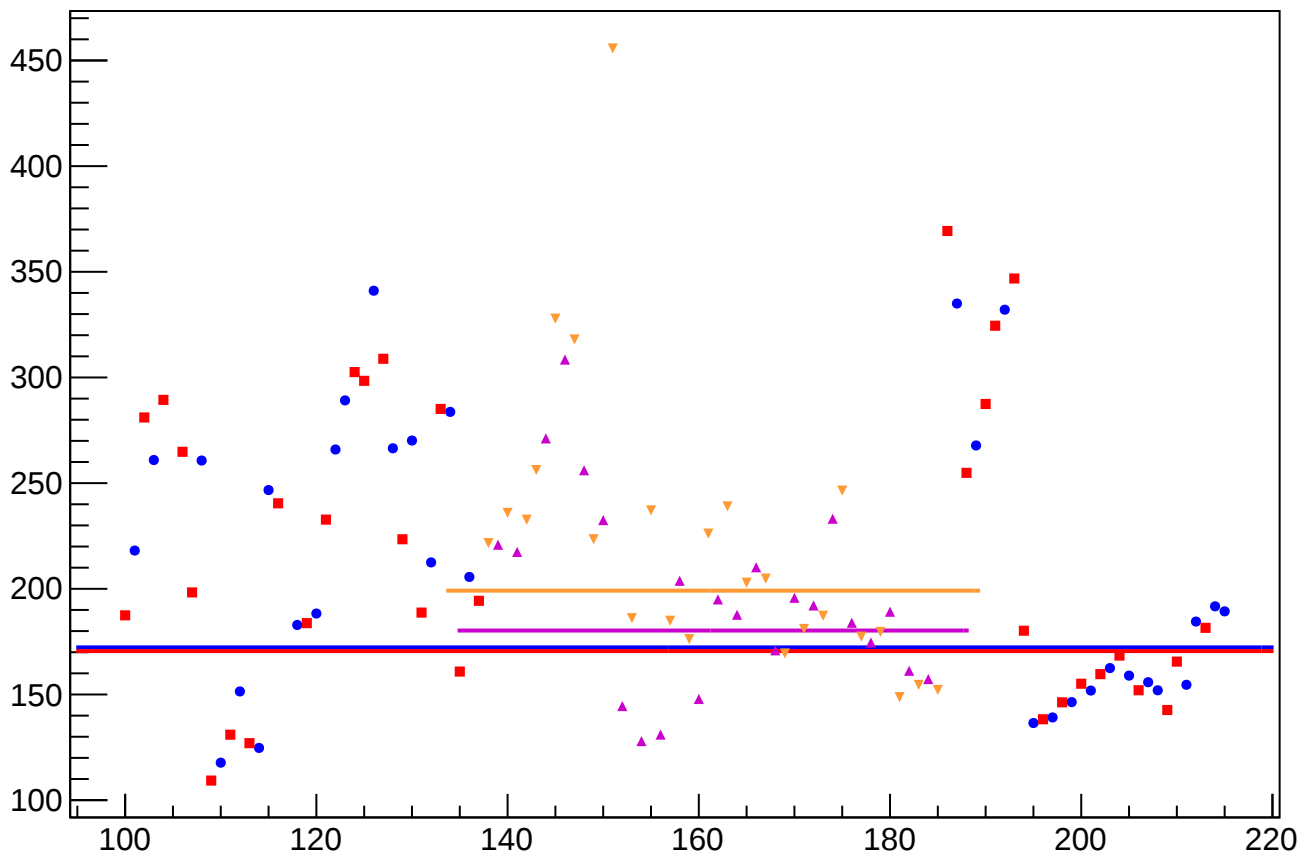
Left In: -32.571 $\pm$ 45.248 χ^2 /NDF: 6.7/22

+ sign -24.721 $\pm$ 32.038 χ^2 /NDF: 25.3/56

All: -6.505 $\pm$ 22.400 χ^2 /NDF: 49.3/113

- sign 10.916 $\pm$ 31.331 χ^2 /NDF: 23.3/56

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: 170.537 $\pm$ 0.031 χ^2/NDF : 2769515.6/33

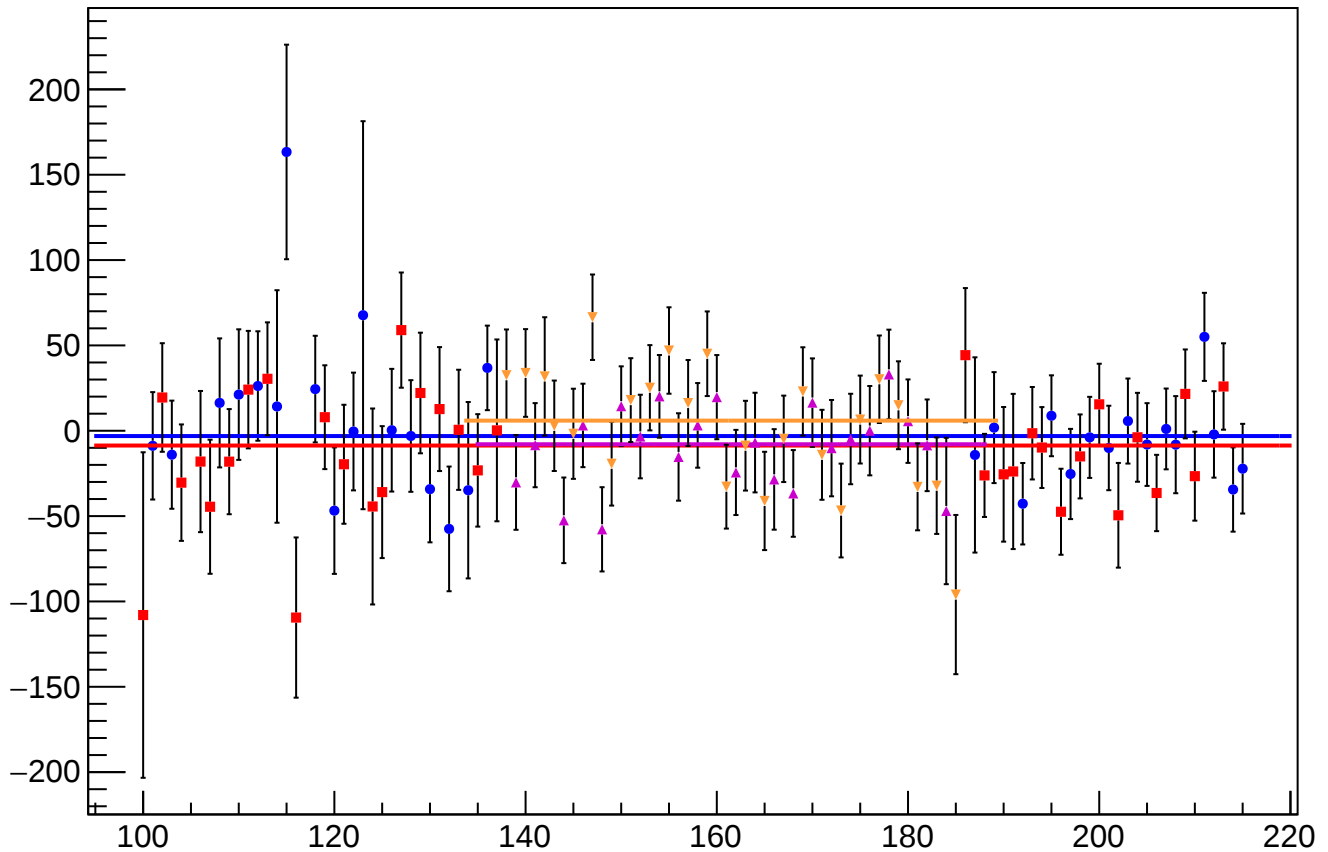
Left In: 180.256 $\pm$ 0.032 χ^2/NDF : 1580553.5/22

+ sign 184.181 $\pm$ 0.023 χ^2/NDF : 4252157.2/56

All: 179.589 $\pm$ 0.016 χ^2/NDF : 8730656.4/113

- sign 175.197 $\pm$ 0.022 χ^2/NDF : 4398107.2/56

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: -8.660 ± 5.384 χ^2/NDF : 30.1/33

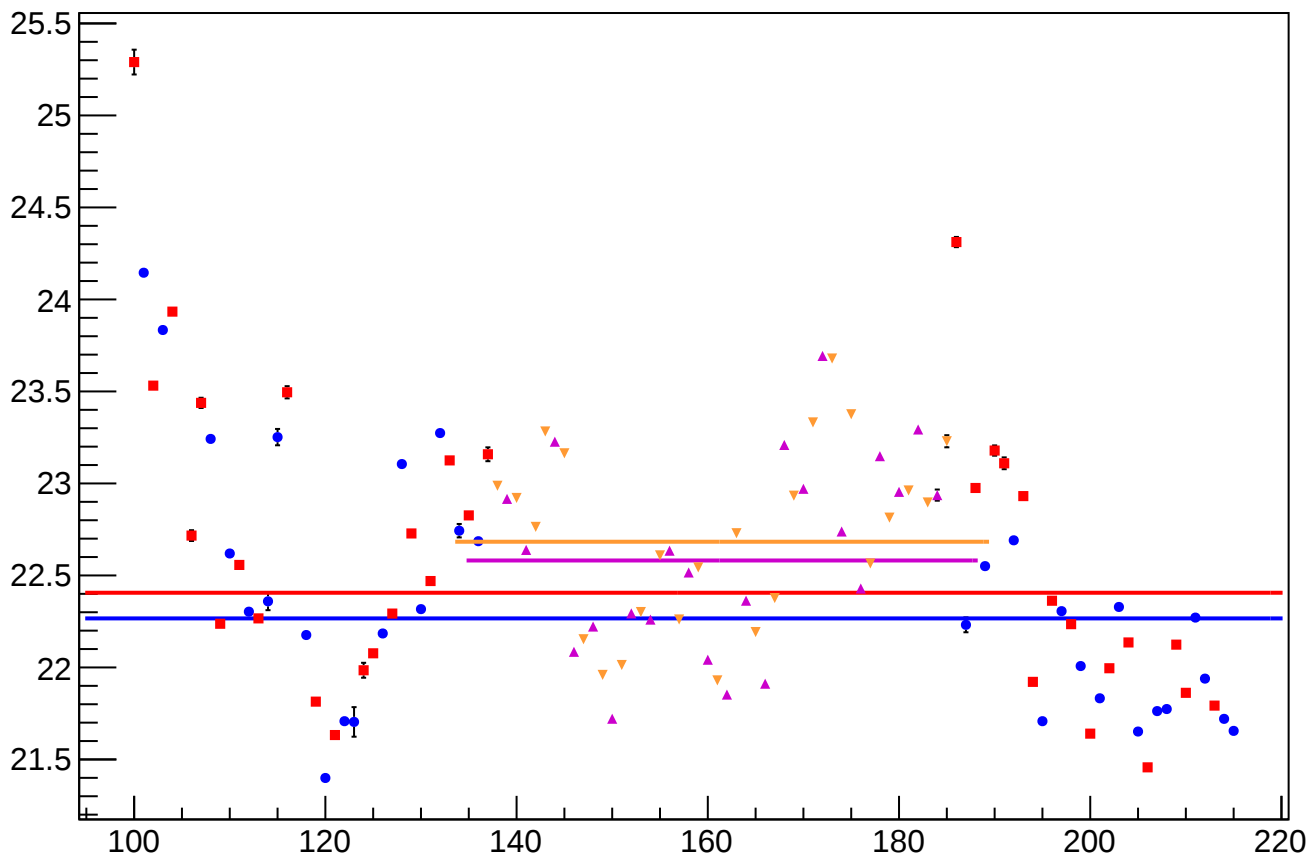
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 1.460 ± 3.755 χ^2/NDF : 66.4/56

All: -3.331 ± 2.678 χ^2/NDF : 118.5/113

- sign -8.290 ± 3.820 χ^2/NDF : 48.8/56

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: 22.406 $\pm$ 0.004 χ^2 /NDF: 32065.7/33

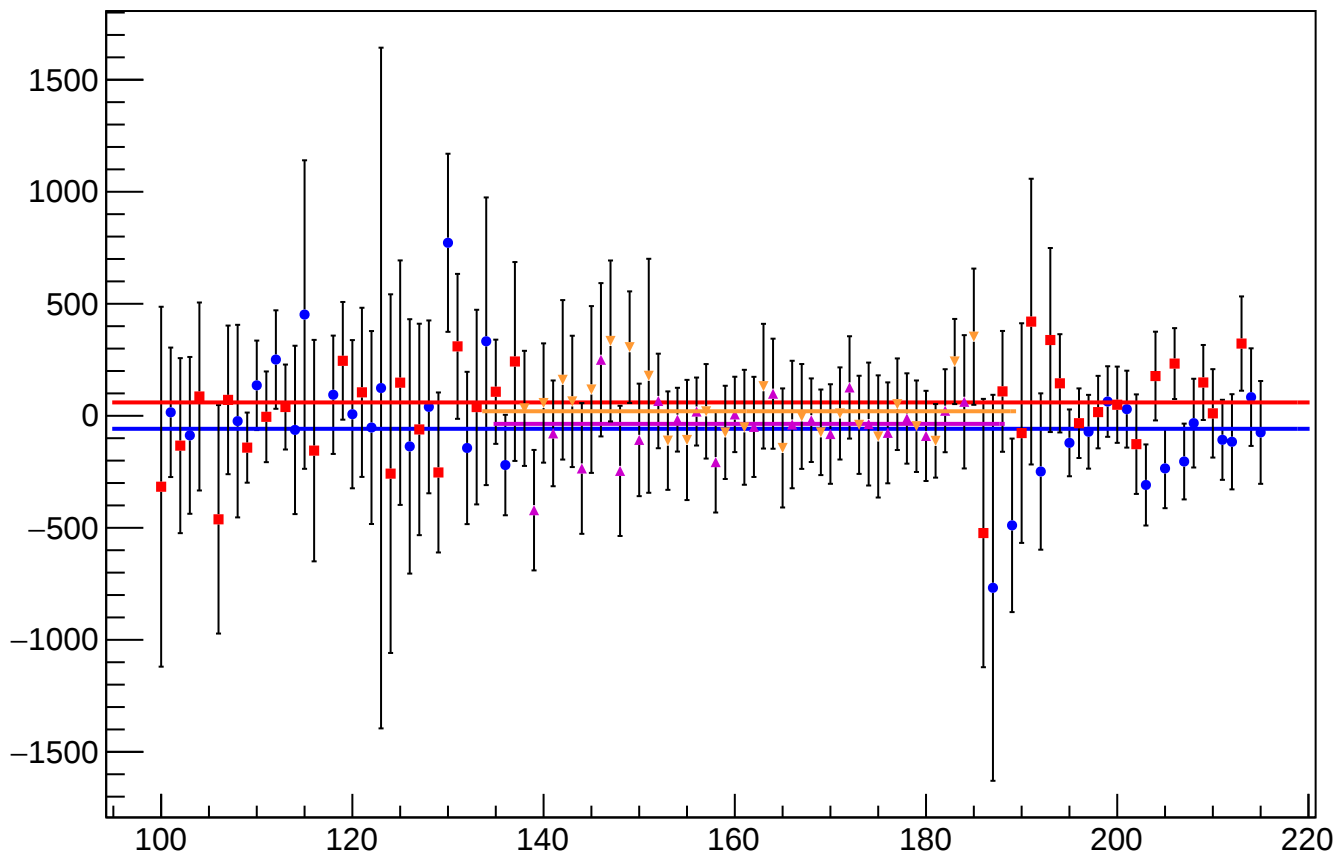
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.477 $\pm$ 0.003 χ^2 /NDF: 49741.2/56

All: 22.485 $\pm$ 0.002 χ^2 /NDF: 100783.2/113

- sign 22.493 $\pm$ 0.003 χ^2 /NDF: 51023.8/56

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -58.052 ± 42.815 $\chi^2/\text{NDF}: 16.8/31$

Left Out: 20.306 ± 48.049 $\chi^2/\text{NDF}: 7.7/24$

Right Out: 59.705 ± 43.245 $\chi^2/\text{NDF}: 12.4/33$

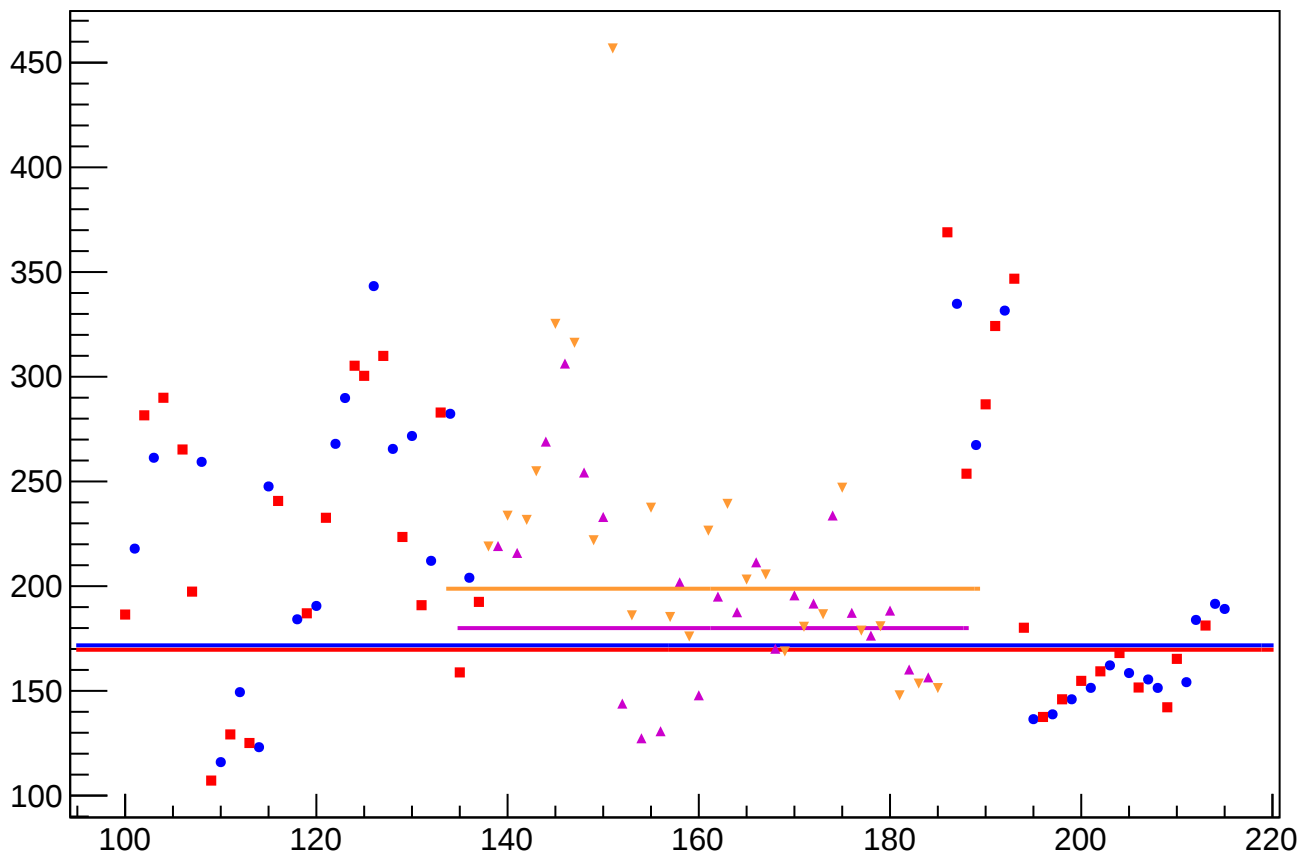
Left In: -35.996 ± 45.180 $\chi^2/\text{NDF}: 6.1/22$

+ sign -23.371 ± 31.966 $\chi^2/\text{NDF}: 26.0/56$

All: -4.284 ± 22.342 $\chi^2/\text{NDF}: 47.5/113$

- sign 13.948 ± 31.241 $\chi^2/\text{NDF}: 20.8/56$

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: 169.633 $\pm$ 0.031 χ^2 /NDF: 2836704.8/33

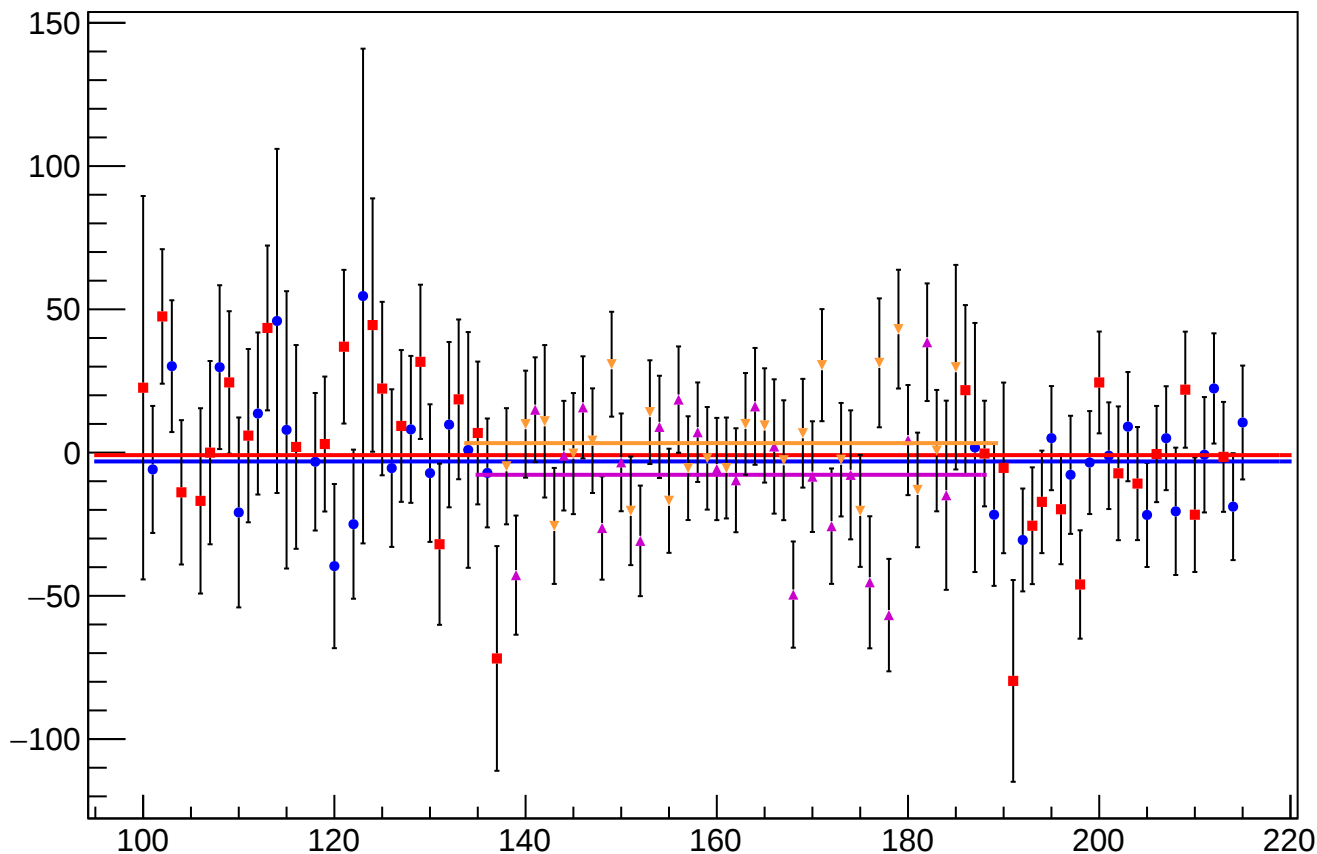
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 183.709 $\pm$ 0.023 χ^2 /NDF: 4287434.1/56

All: 179.038 $\pm$ 0.016 χ^2 /NDF: 8838187.1/113

- sign 174.577 $\pm$ 0.022 χ^2 /NDF: 4467255.8/56

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: -0.893 ± 4.135 χ^2/NDF : 38.0/33

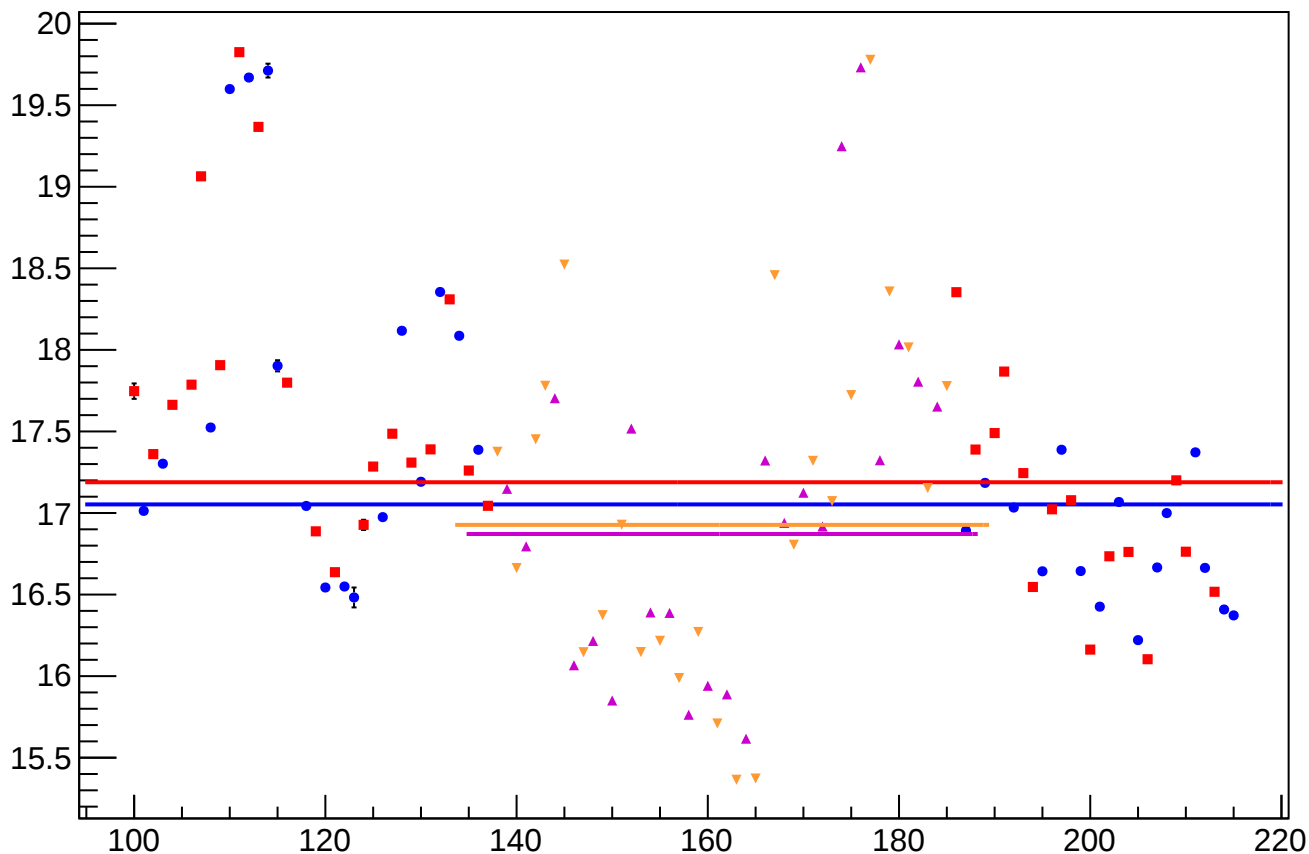
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 0.218 ± 2.843 χ^2/NDF : 36.4/56

All: -2.041 ± 2.029 χ^2/NDF : 111.4/113

- sign -4.387 ± 2.897 χ^2/NDF : 73.7/56

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: 17.189 $\pm$ 0.003 χ^2 /NDF: 69514.2/33

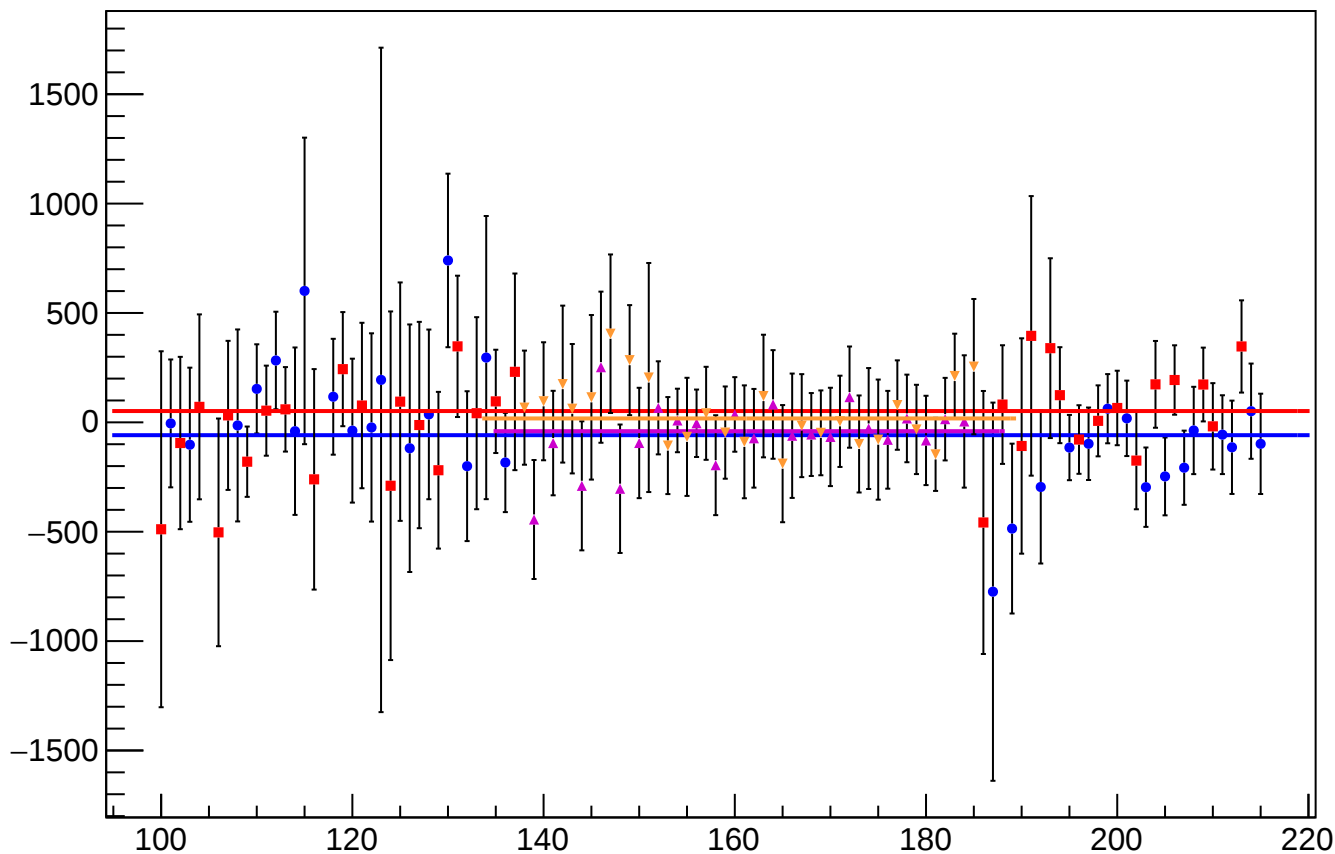
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 16.988 $\pm$ 0.002 χ^2 /NDF: 200799.7/56

All: 17.007 $\pm$ 0.001 χ^2 /NDF: 394489.0/113

- sign 17.027 $\pm$ 0.002 χ^2 /NDF: 193502.9/56

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: 51.639 ± 43.565 χ^2/NDF : 13.8/33

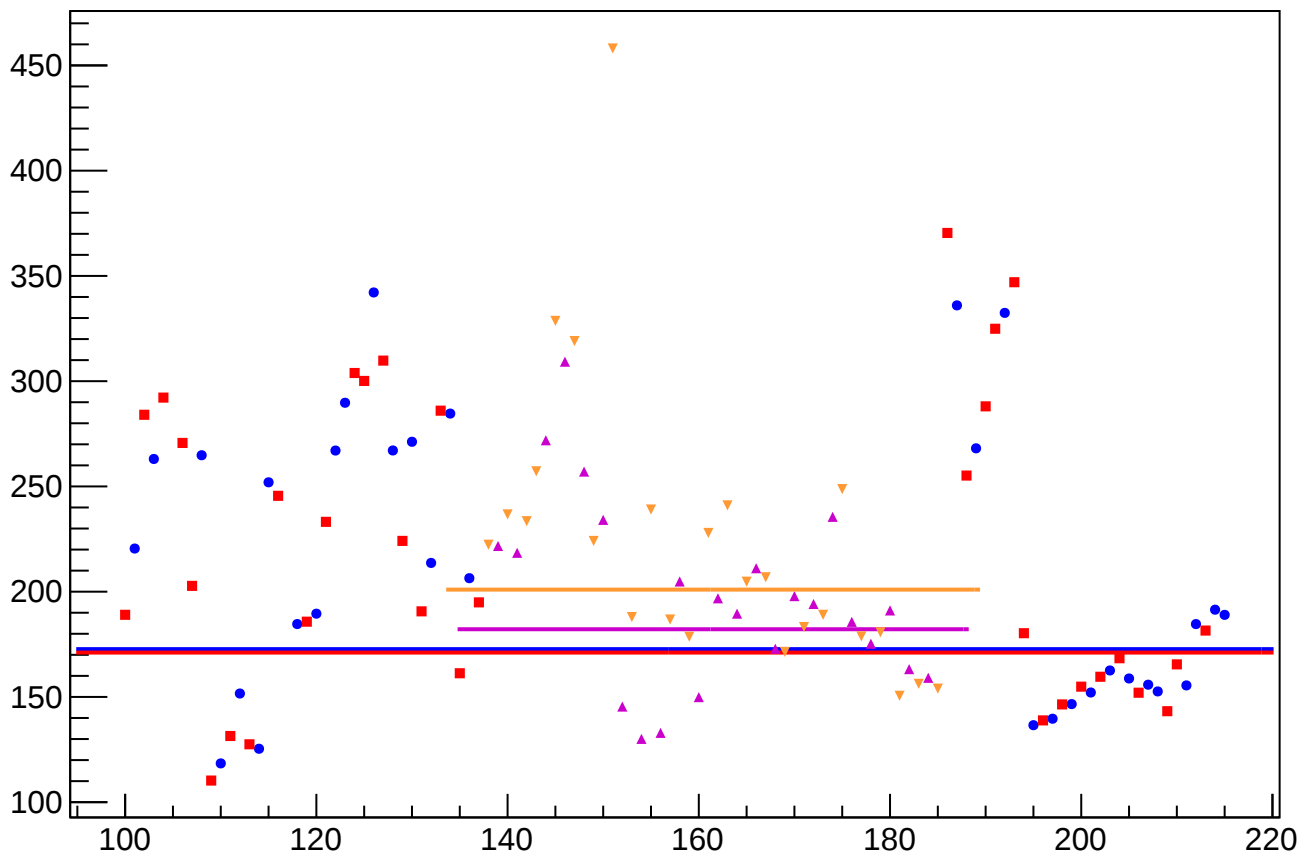
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign -25.003 ± 32.208 χ^2/NDF : 25.9/56

All: -8.237 ± 22.531 χ^2/NDF : 49.0/113

- sign 7.830 ± 31.529 χ^2/NDF : 22.6/56

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: 171.079 $\pm$ 0.031 χ^2 /NDF: 2779746.7/33

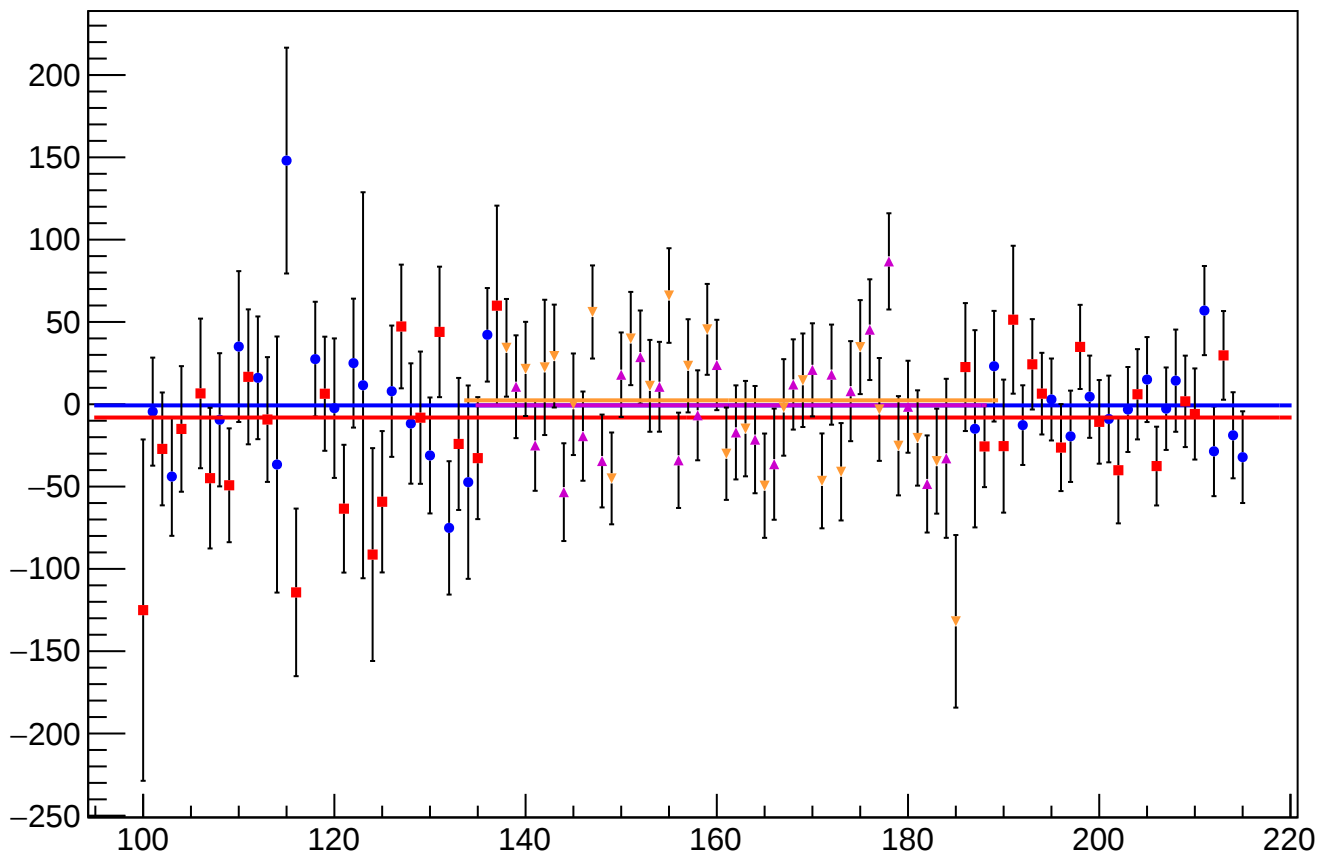
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF:1535922.8/22

+ sign 185.154 $\pm$ 0.023 χ^2 /NDF: 4264351.1/56

All: 180.661 $\pm$ 0.016 χ^2 /NDF: 8717838.0/113

- sign 176.355 $\pm$ 0.022 χ^2 /NDF: 4377266.8/56

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: -8.051 ± 5.781 χ^2/NDF : 32.6/33

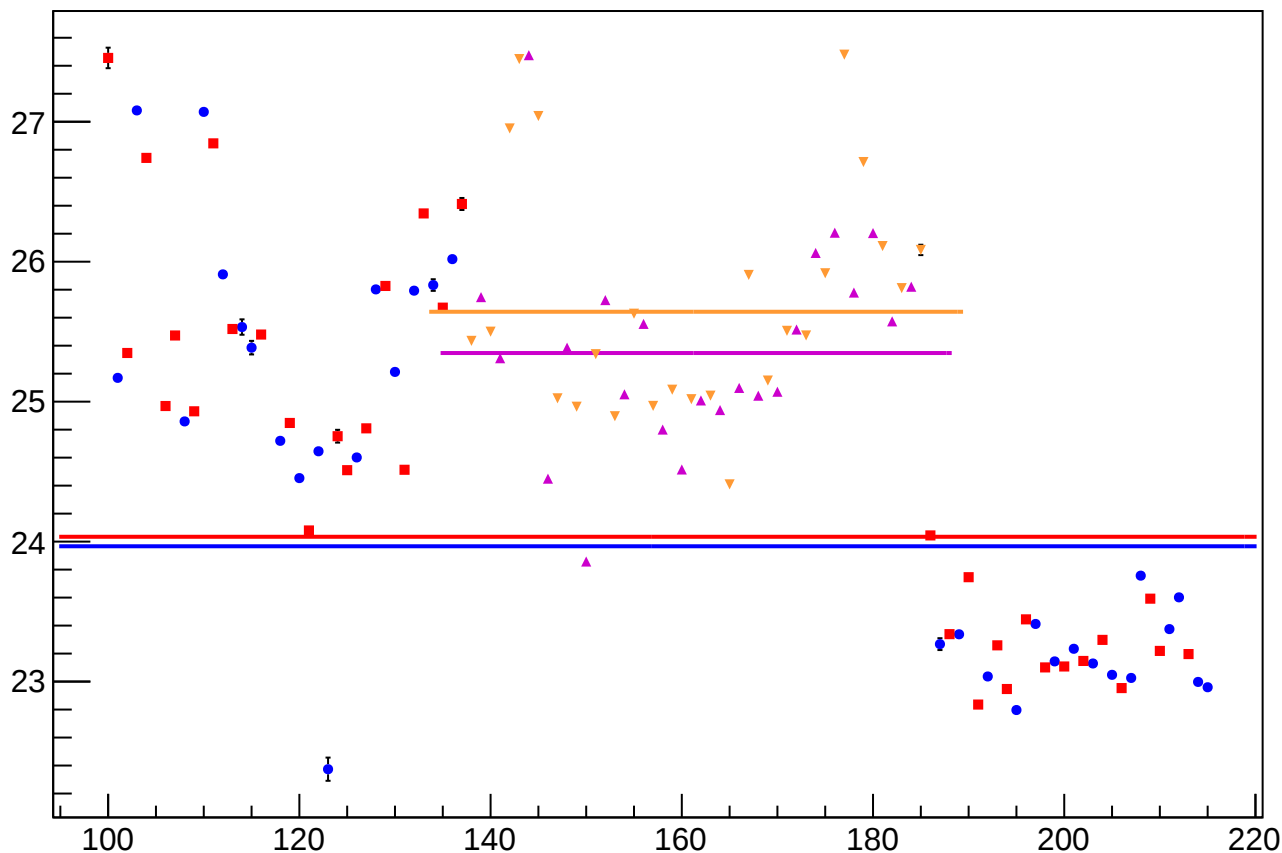
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 0.793 ± 4.145 χ^2/NDF : 64.1/56

All: -1.843 ± 2.948 χ^2/NDF : 125.6/113

- sign -4.540 ± 4.193 χ^2/NDF : 60.7/56

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.967 ± 0.004 $\chi^2/\text{NDF}: 88711.2/31$

Left Out: 25.642 ± 0.004 $\chi^2/\text{NDF}: 34802.2/24$

Right Out: 24.035 ± 0.004 $\chi^2/\text{NDF}: 80135.7/33$

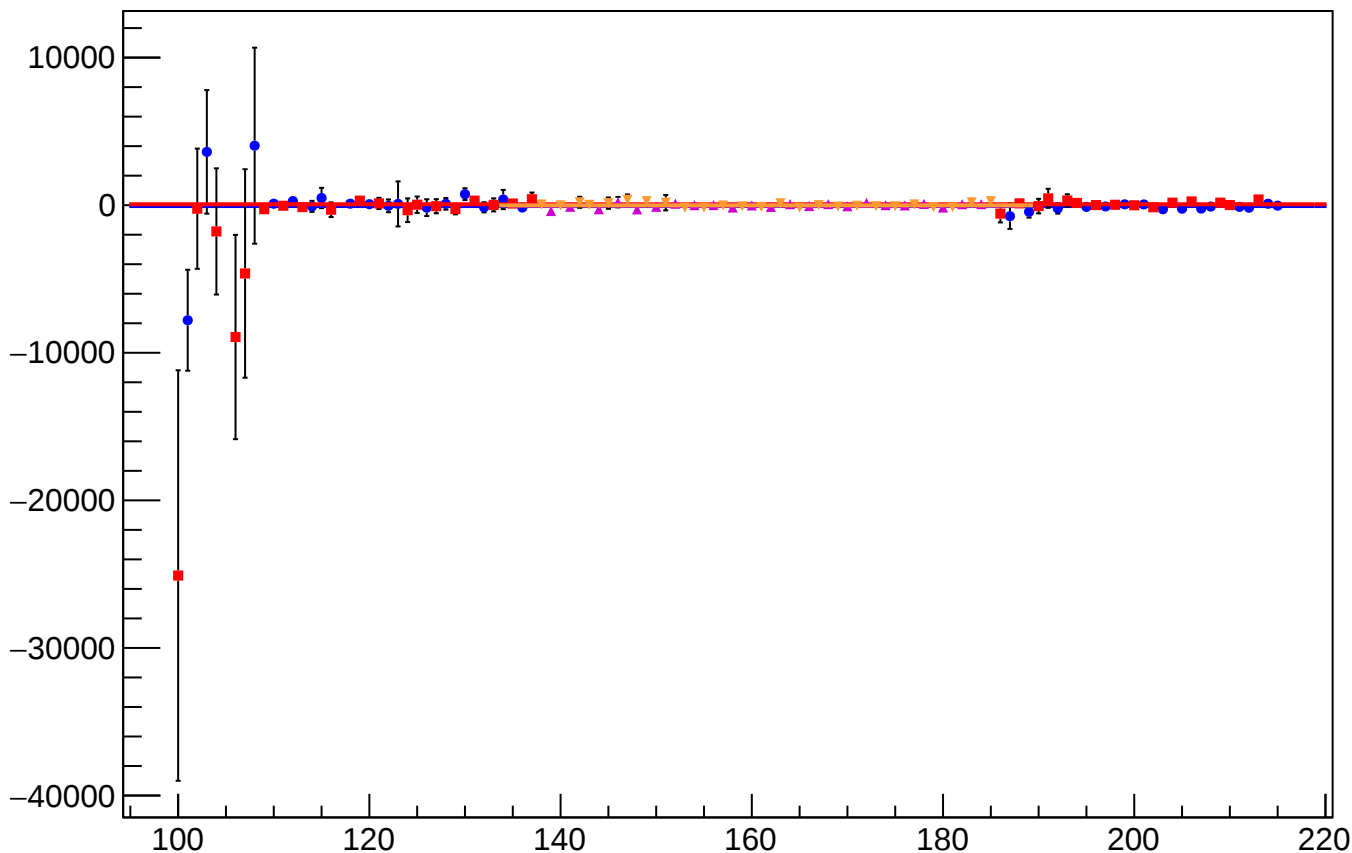
Left In: 25.347 ± 0.004 $\chi^2/\text{NDF}: 29389.5/22$

+ sign 24.772 ± 0.003 $\chi^2/\text{NDF}: 205094.4/56$

All: 24.715 ± 0.002 $\chi^2/\text{NDF}: 364263.7/113$

- sign 24.657 ± 0.003 $\chi^2/\text{NDF}: 158406.8/56$

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -57.860 $\pm$ 44.922 χ^2 /NDF: 22.3/31

Left Out: -11.432 $\pm$ 48.263 χ^2 /NDF: 8.0/24

Right Out: 62.231 $\pm$ 46.200 χ^2 /NDF: 20.6/33

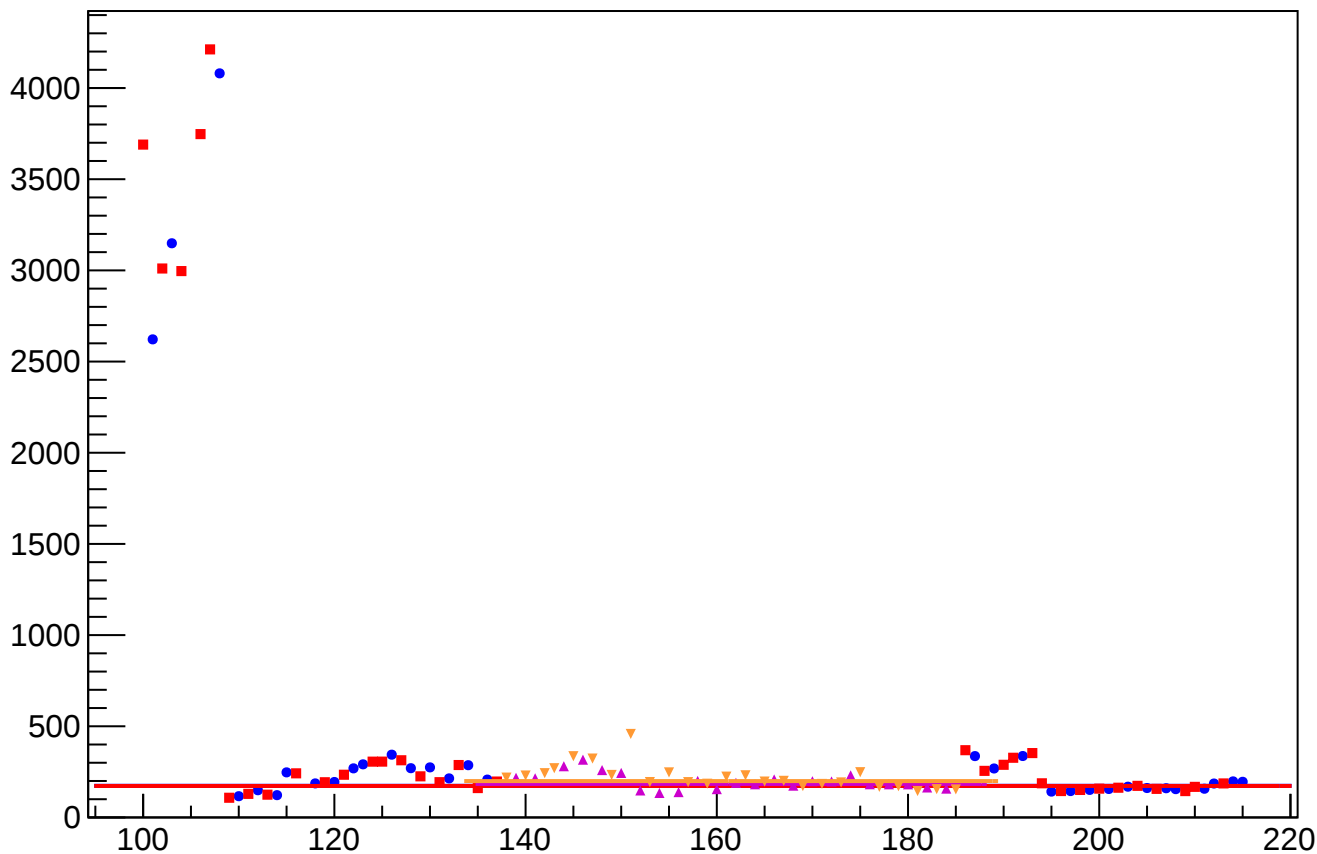
Left In: -27.098 $\pm$ 45.999 χ^2 /NDF: 7.2/22

+ sign -36.308 $\pm$ 32.882 χ^2 /NDF: 30.8/56

All: -9.234 $\pm$ 23.150 χ^2 /NDF: 61.8/113

- sign 17.371 $\pm$ 32.597 χ^2 /NDF: 29.7/56

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: 172.719 $\pm$ 0.033 χ^2 /NDF: 5402238.0/33

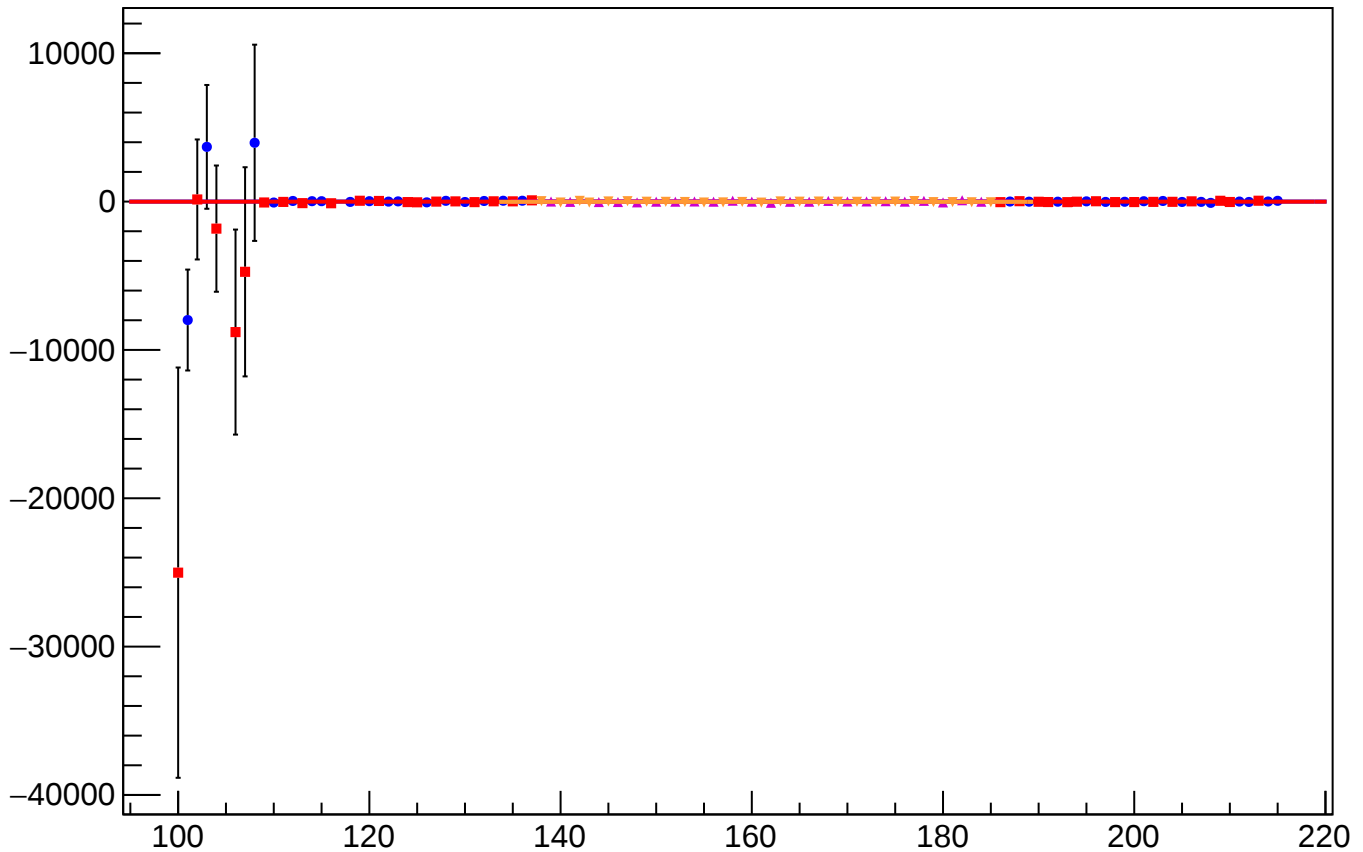
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF:1412869.6/22

+ sign 185.597 $\pm$ 0.023 χ^2 /NDF: 6754401.4/56

All: 181.910 $\pm$ 0.016 χ^2 /NDF: 13677196.1/11

- sign 178.286 $\pm$ 0.023 χ^2 /NDF: 6872939.0/56

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: -5.536 ± 7.033 χ^2/NDF : 38.1/33

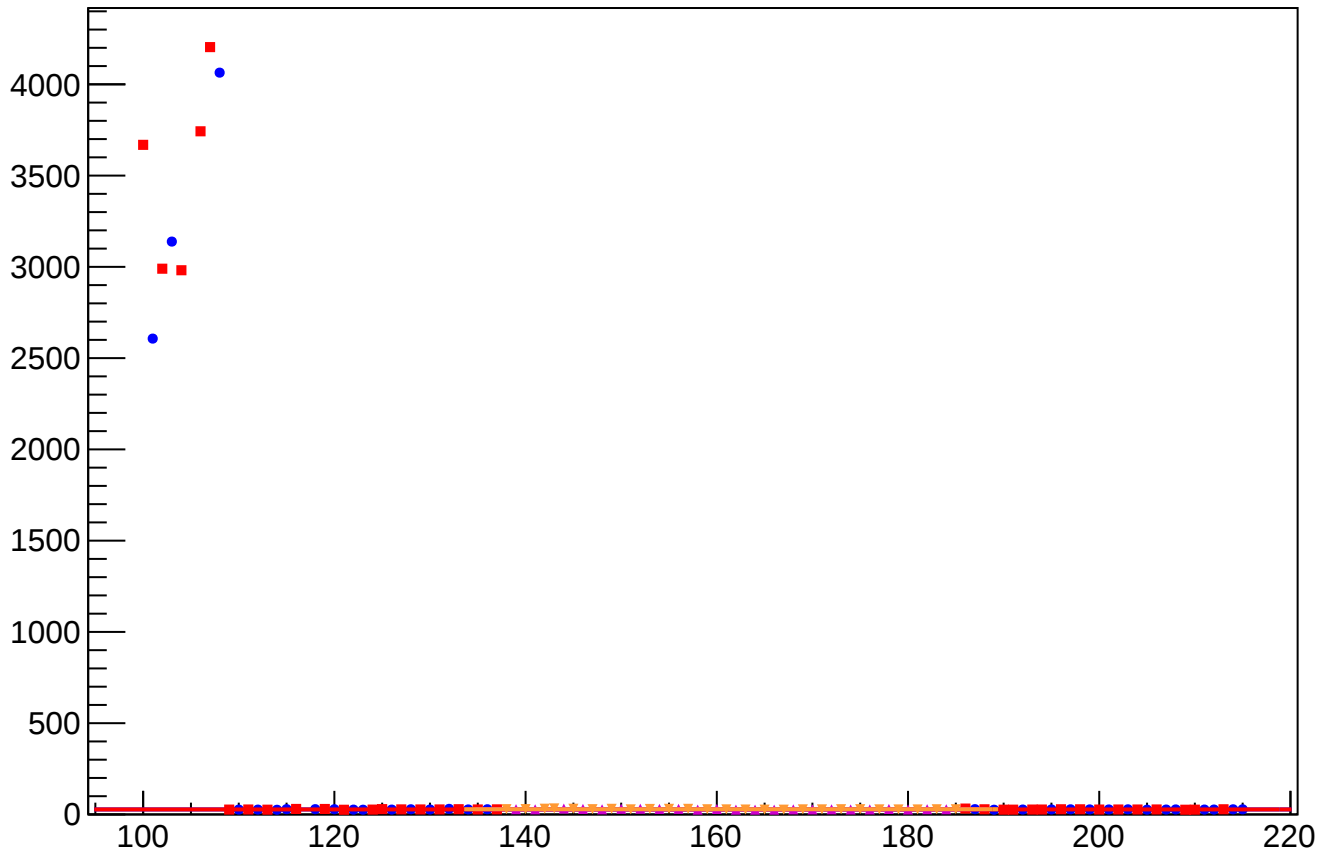
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -8.887 ± 4.808 χ^2/NDF : 58.1/56

All: -6.194 ± 3.441 χ^2/NDF : 129.1/113

- sign -3.363 ± 4.928 χ^2/NDF : 70.3/56

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: 27.471 $\pm$ 0.005 χ^2 /NDF: 3513783.2/33

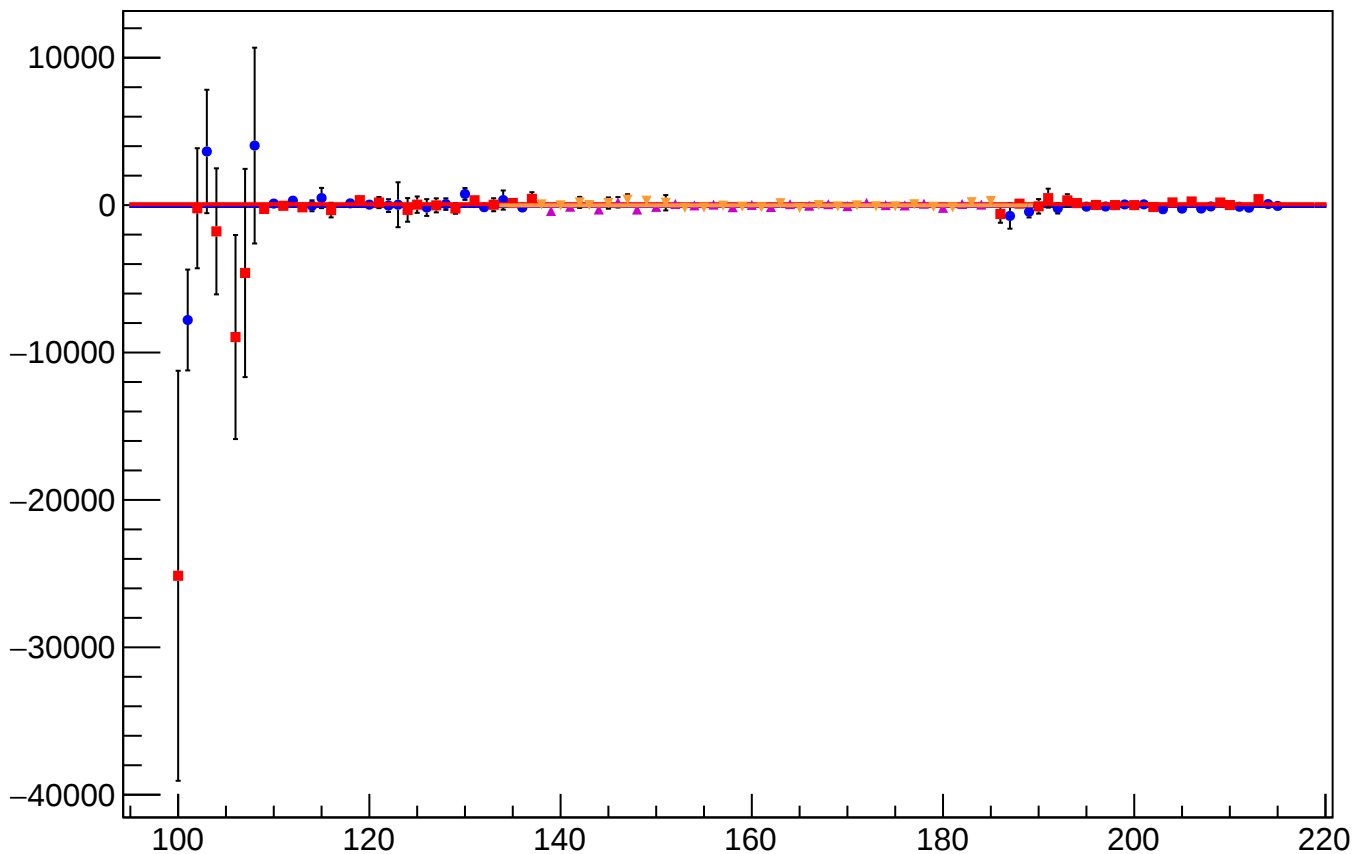
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.112 $\pm$ 0.003 χ^2 /NDF: 3185232.6/56

All: 28.099 $\pm$ 0.002 χ^2 /NDF: 6852784.1/113

- sign 28.085 $\pm$ 0.003 χ^2 /NDF: 3667520.4/56

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: 64.714 ± 46.066 χ^2/NDF : 21.5/33

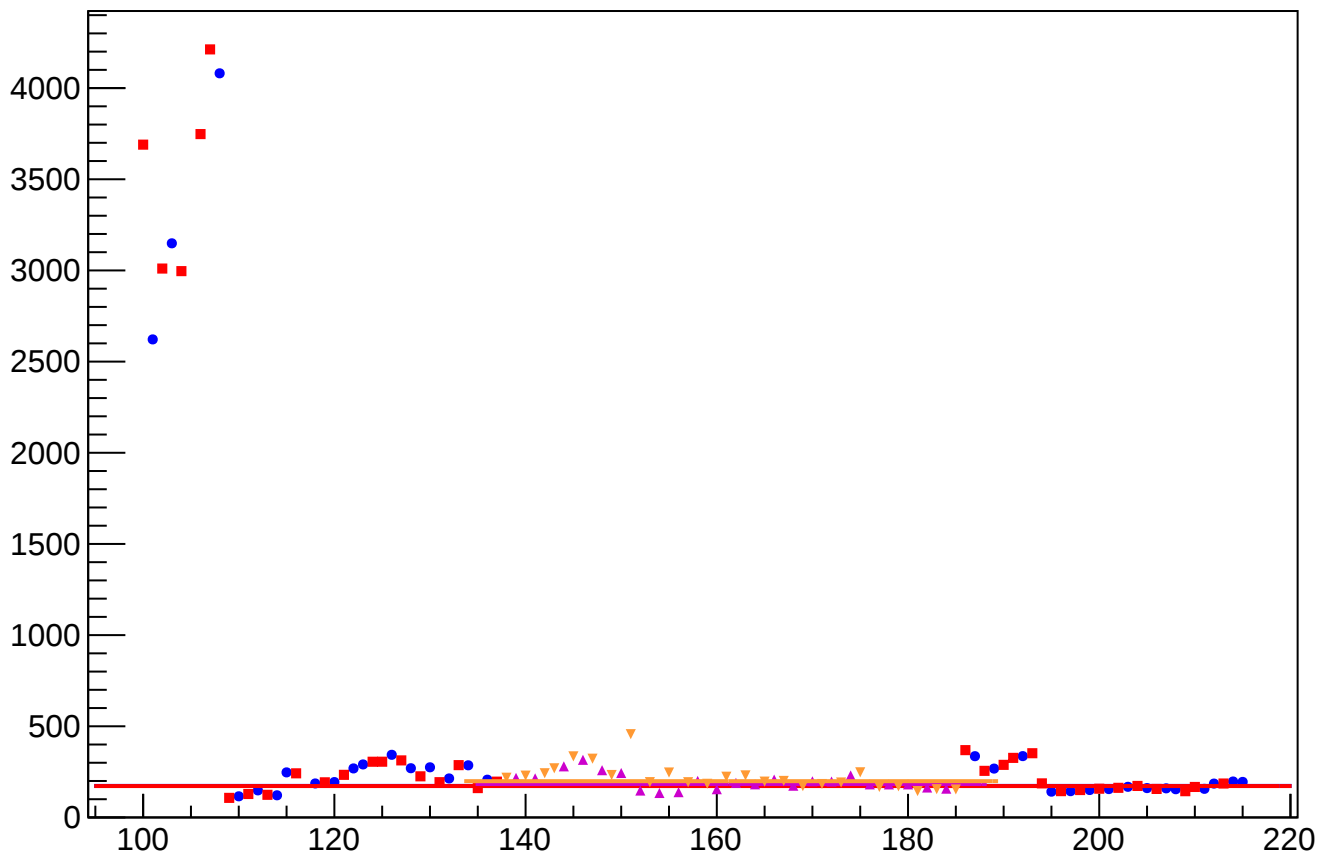
Left In: -27.286 ± 45.907 χ^2/NDF : 7.5/22

+ sign -37.845 ± 32.795 χ^2/NDF : 31.8/56

All: -9.406 ± 23.091 χ^2/NDF : 64.2/113

- sign 18.554 ± 32.517 χ^2/NDF : 31.0/56

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: 172.167 $\pm$ 0.033 χ^2 /NDF: 5420056.4/33

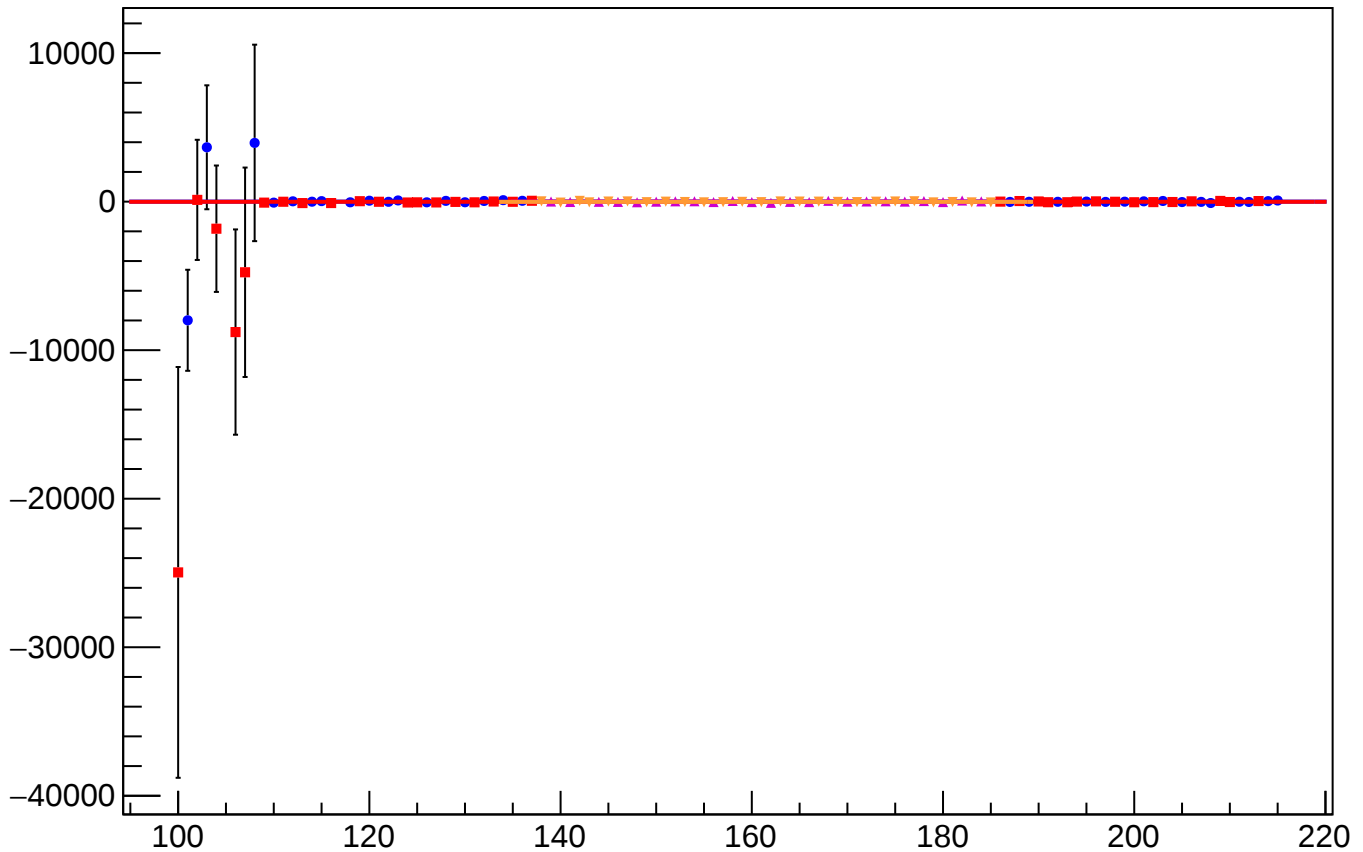
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 185.078 $\pm$ 0.023 χ^2 /NDF: 6772277.2/56

All: 181.420 $\pm$ 0.016 χ^2 /NDF: 13714120.2/13

- sign 177.824 $\pm$ 0.023 χ^2 /NDF: 6892502.0/56

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: -9.140 ± 7.010 χ^2/NDF : 32.7/33

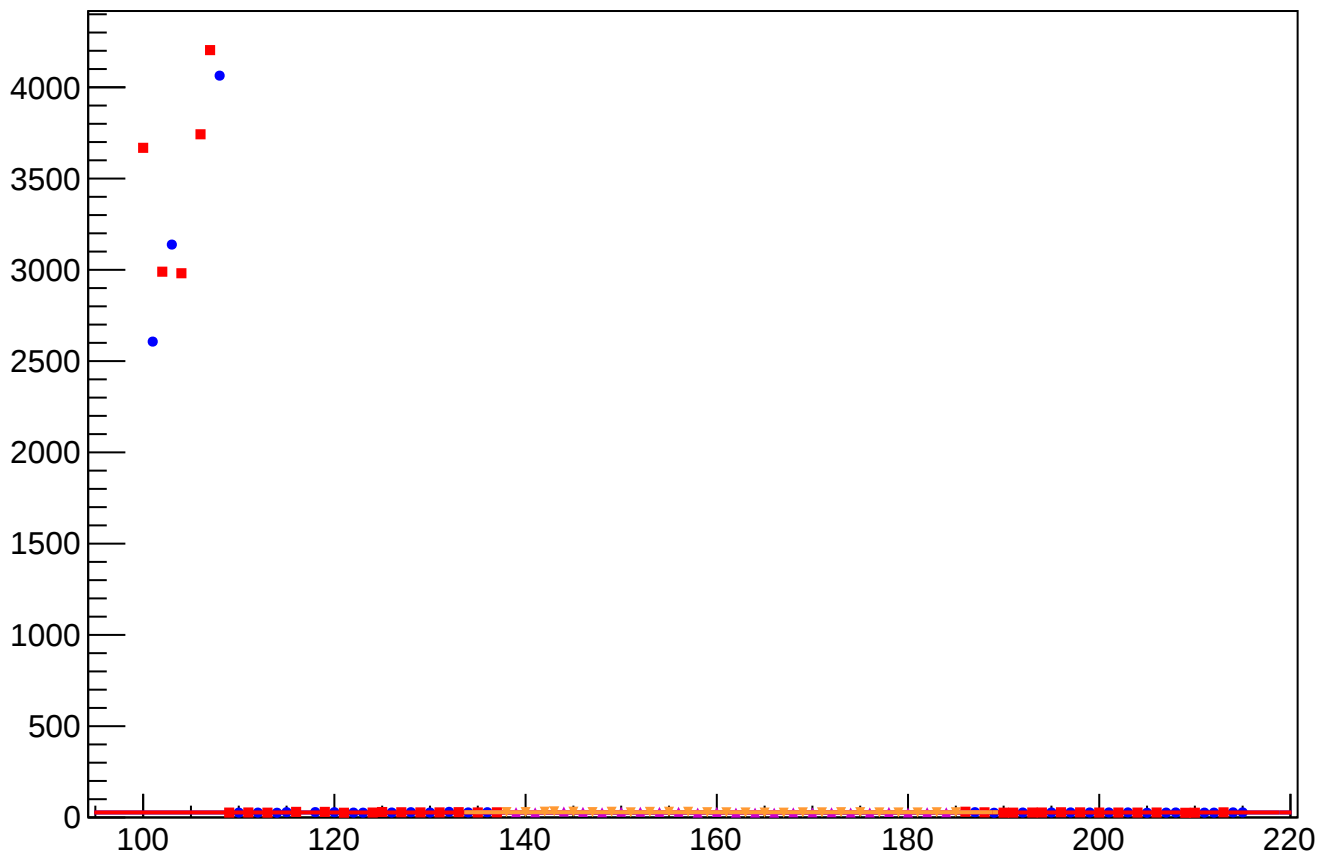
Left In: 0.498 ± 6.937 χ^2/NDF : 26.1/22

+ sign -7.260 ± 4.806 χ^2/NDF : 60.5/56

All: -5.804 ± 3.442 χ^2/NDF : 120.4/113

- sign -4.270 ± 4.931 χ^2/NDF : 59.7/56

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: 27.381 $\pm$ 0.005 χ^2 /NDF: 3517364.9/33

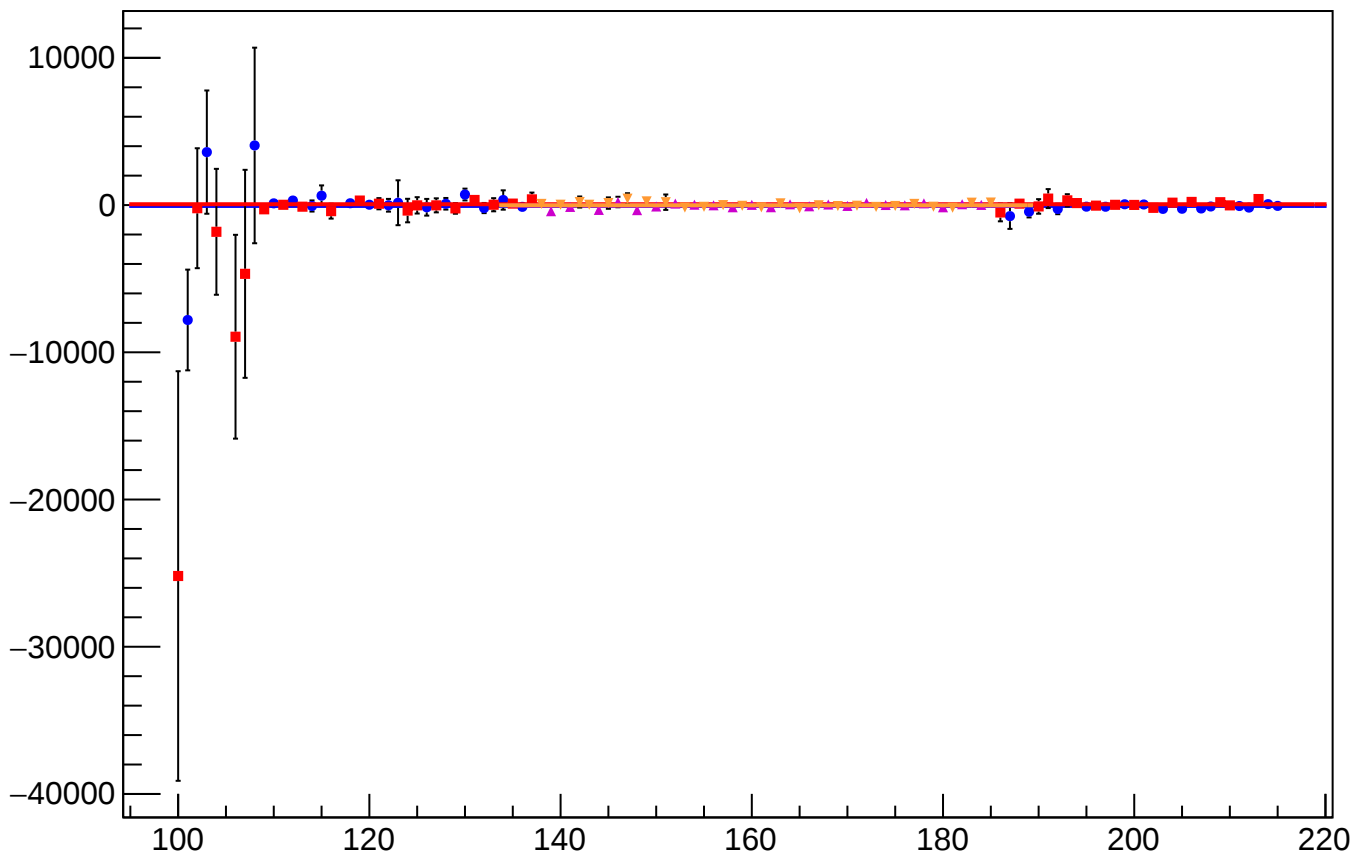
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.094 $\pm$ 0.003 χ^2 /NDF: 3219585.5/56

All: 28.095 $\pm$ 0.002 χ^2 /NDF: 6906470.9/113

- sign 28.097 $\pm$ 0.003 χ^2 /NDF: 3686885.0/56

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -57.524+/-45.078 χ^2/NDF : 22.6/31

Left Out: -13.966+/-48.735 χ^2/NDF : 8.1/24

Right Out: 57.336+/-46.398 χ^2/NDF : 21.0/33

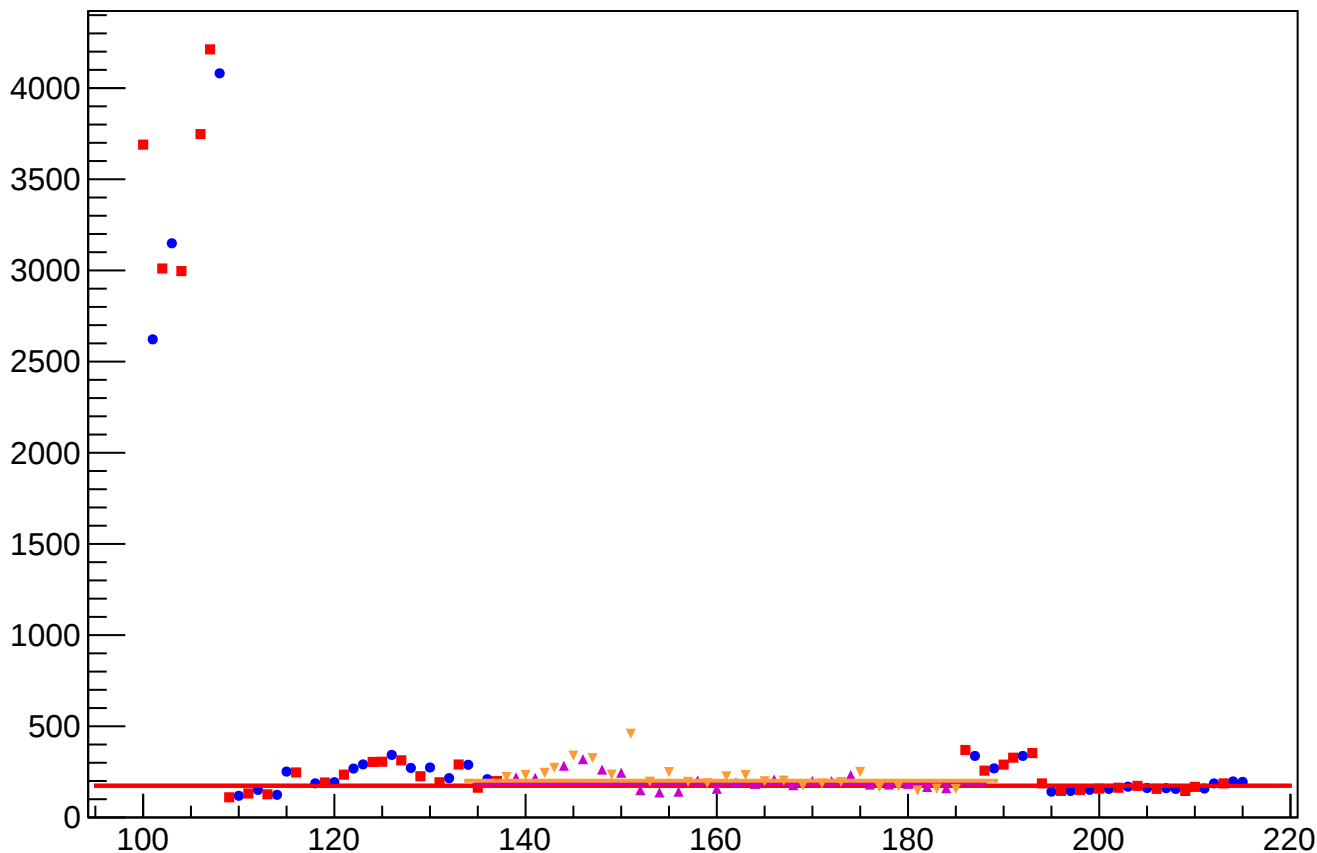
Left In: -31.477+/-46.483 χ^2/NDF : 7.8/22

+ sign -37.440+/-33.093 χ^2/NDF : 31.1/56

All: -12.020+/-23.310 χ^2/NDF : 63.0/113

- sign 13.011+/-32.838 χ^2/NDF : 30.7/56

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 174.268 $\pm$ 0.032 χ^2 /NDF: 4547372.5/31

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 173.608 $\pm$ 0.033 χ^2 /NDF: 5360354.9/33

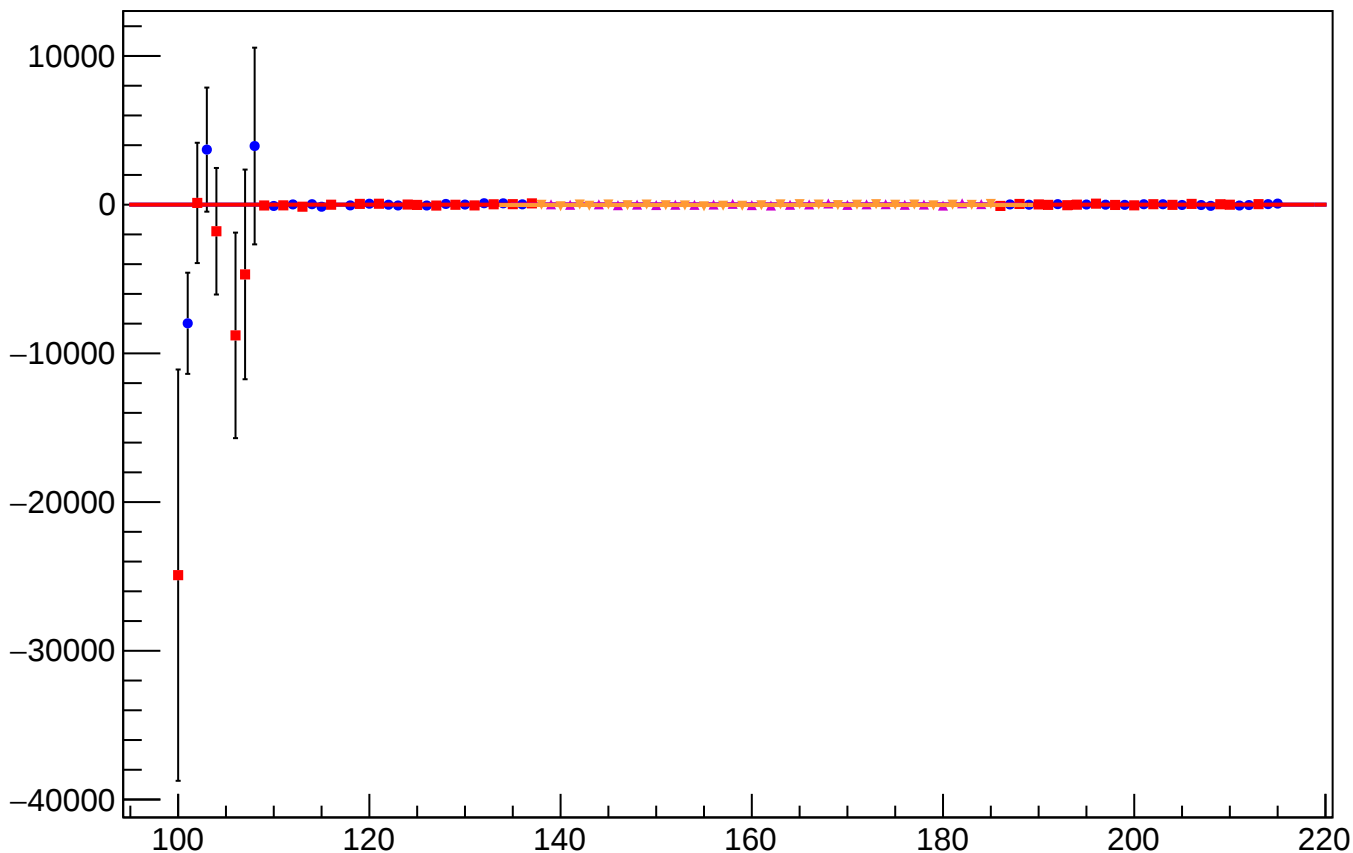
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 186.825 $\pm$ 0.023 χ^2 /NDF: 6738878.0/56

All: 183.251 $\pm$ 0.016 χ^2 /NDF: 13596219.5/13

- sign 179.732 $\pm$ 0.023 χ^2 /NDF: 6811041.9/56

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 2.389 ± 8.372 χ^2/NDF : 33.6/31

Left Out: -24.144 ± 8.076 χ^2/NDF : 24.9/24

Right Out: 2.417 ± 8.556 χ^2/NDF : 35.6/33

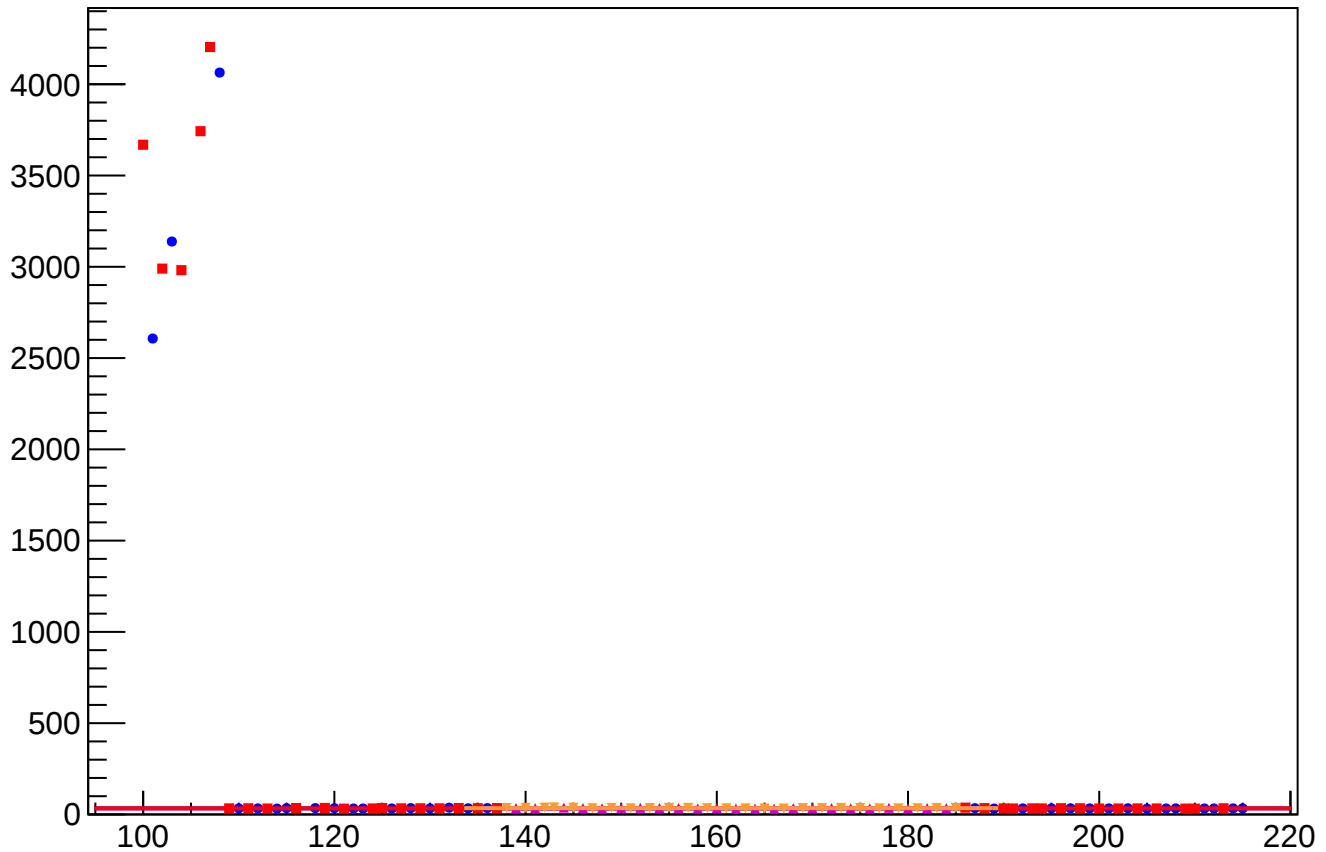
Left In: 5.924 ± 8.340 χ^2/NDF : 21.0/22

+ sign -11.354 ± 5.813 χ^2/NDF : 63.7/56

All: -3.780 ± 4.165 χ^2/NDF : 123.9/113

- sign 4.216 ± 5.972 χ^2/NDF : 56.7/56

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: 33.467 $\pm$ 0.006 χ^2 /NDF: 3474183.2/33

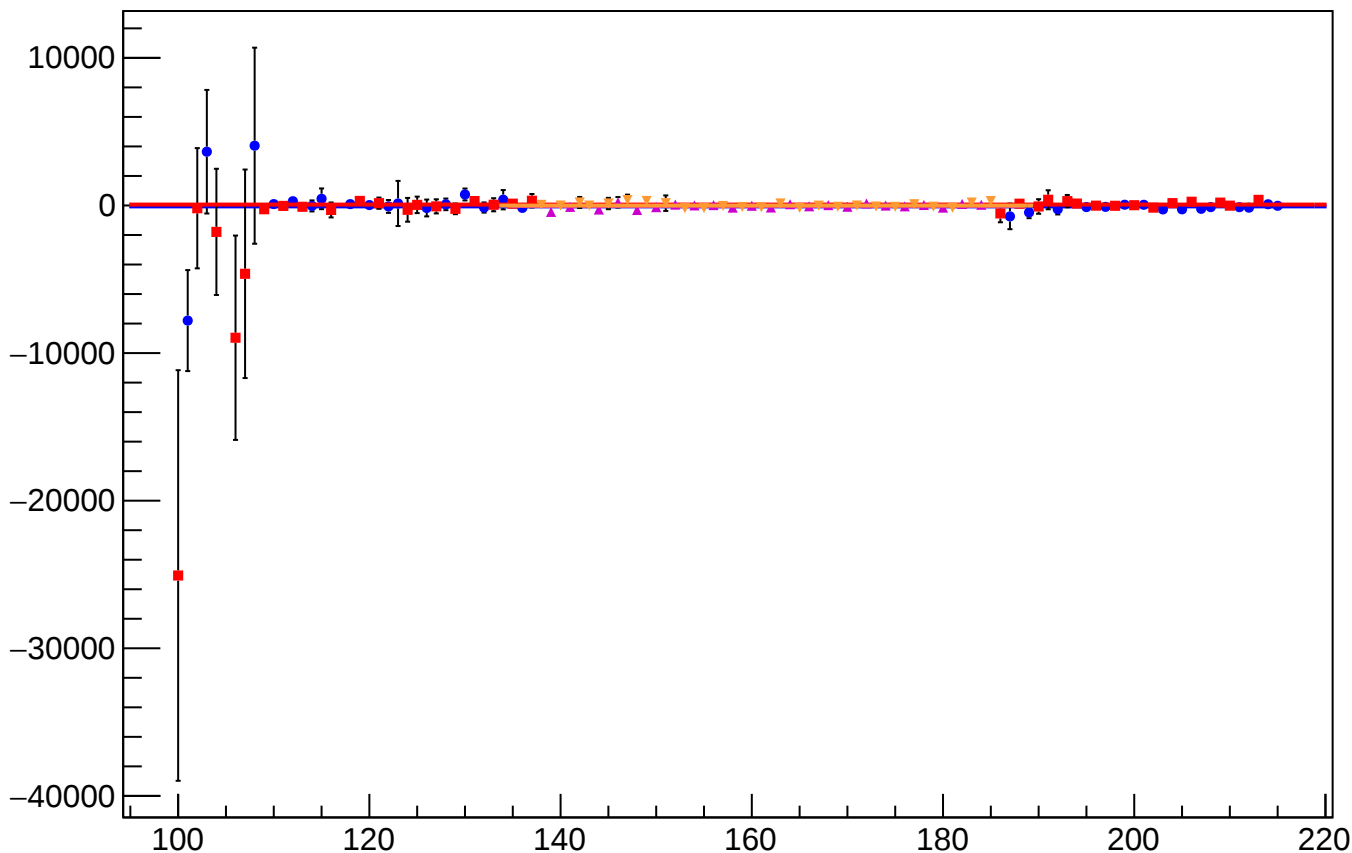
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.021 $\pm$ 0.004 χ^2 /NDF: 3100653.2/56

All: 34.055 $\pm$ 0.003 χ^2 /NDF: 6655486.5/113

- sign 34.090 $\pm$ 0.004 χ^2 /NDF: 3554698.8/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -61.018 ± 44.953 χ^2/NDF : 22.3/31

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 61.649 ± 46.228 χ^2/NDF : 19.4/33

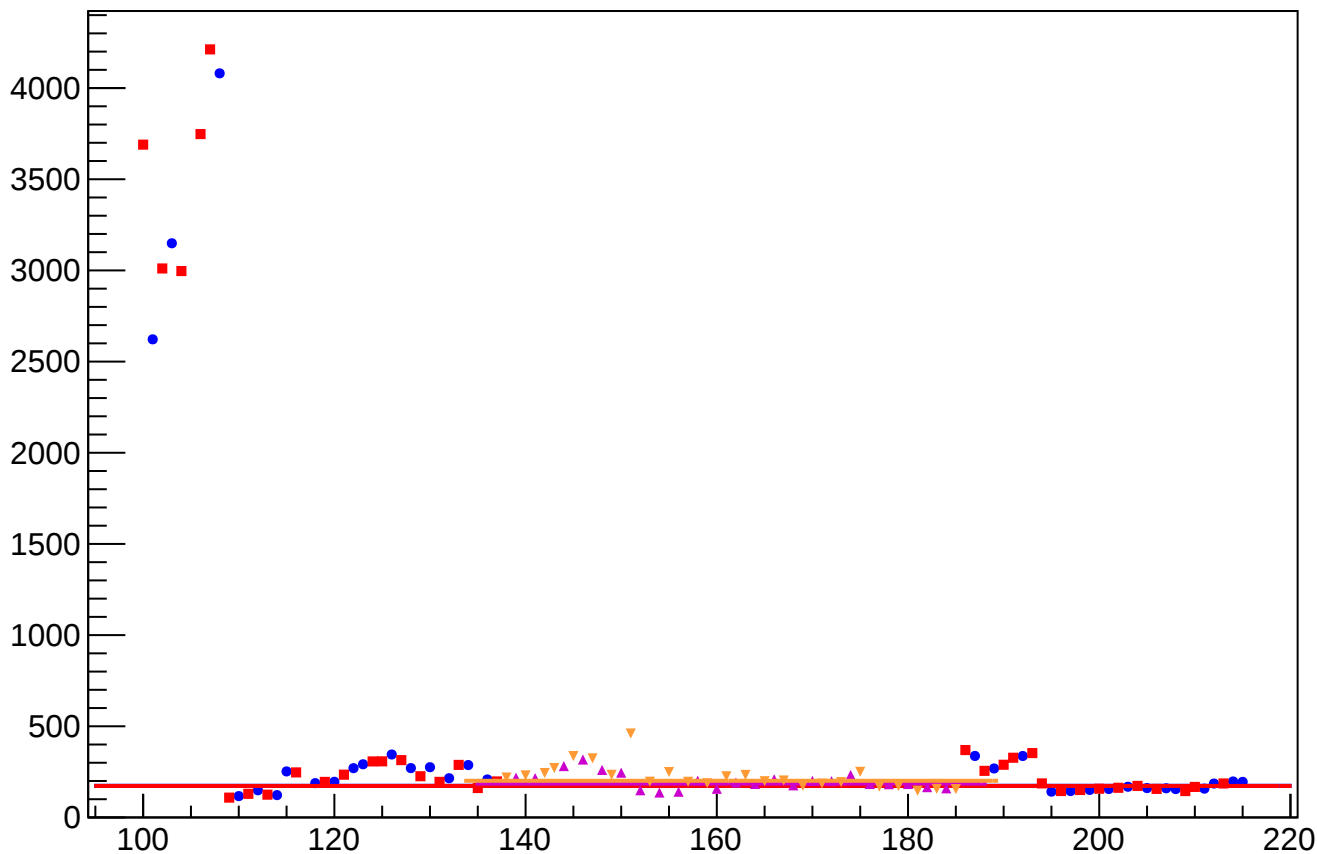
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -36.403 ± 33.020 χ^2/NDF : 31.7/56

All: -11.233 ± 23.255 χ^2/NDF : 61.6/113

- sign 13.537 ± 32.756 χ^2/NDF : 28.7/56

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: 172.817+/-0.033 χ^2/NDF : 5408420.5/33

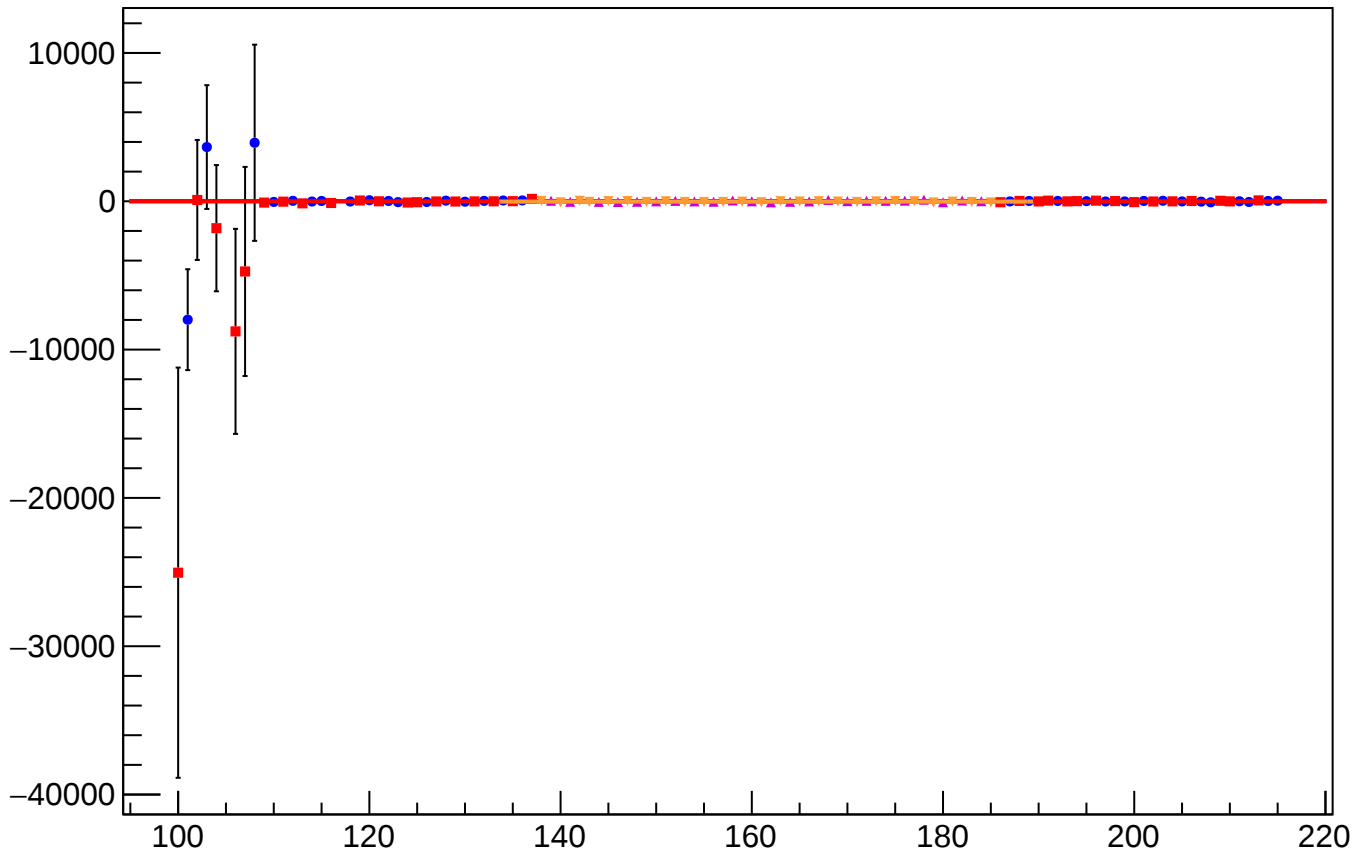
Left In: 185.627+/-0.033 χ^2/NDF : 1371411.2/22

+ sign 186.363+/-0.023 χ^2/NDF : 6770291.3/56

All: 182.751+/-0.016 χ^2/NDF : 13674090.7/136

- sign 179.196+/-0.023 χ^2/NDF : 6856304.4/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.627+/-7.576 χ^2/NDF : 25.4/31

Left Out: -23.320+/-7.352 χ^2/NDF :18.3/24

Right Out: -2.241+/-7.745 χ^2/NDF : 41.5/33

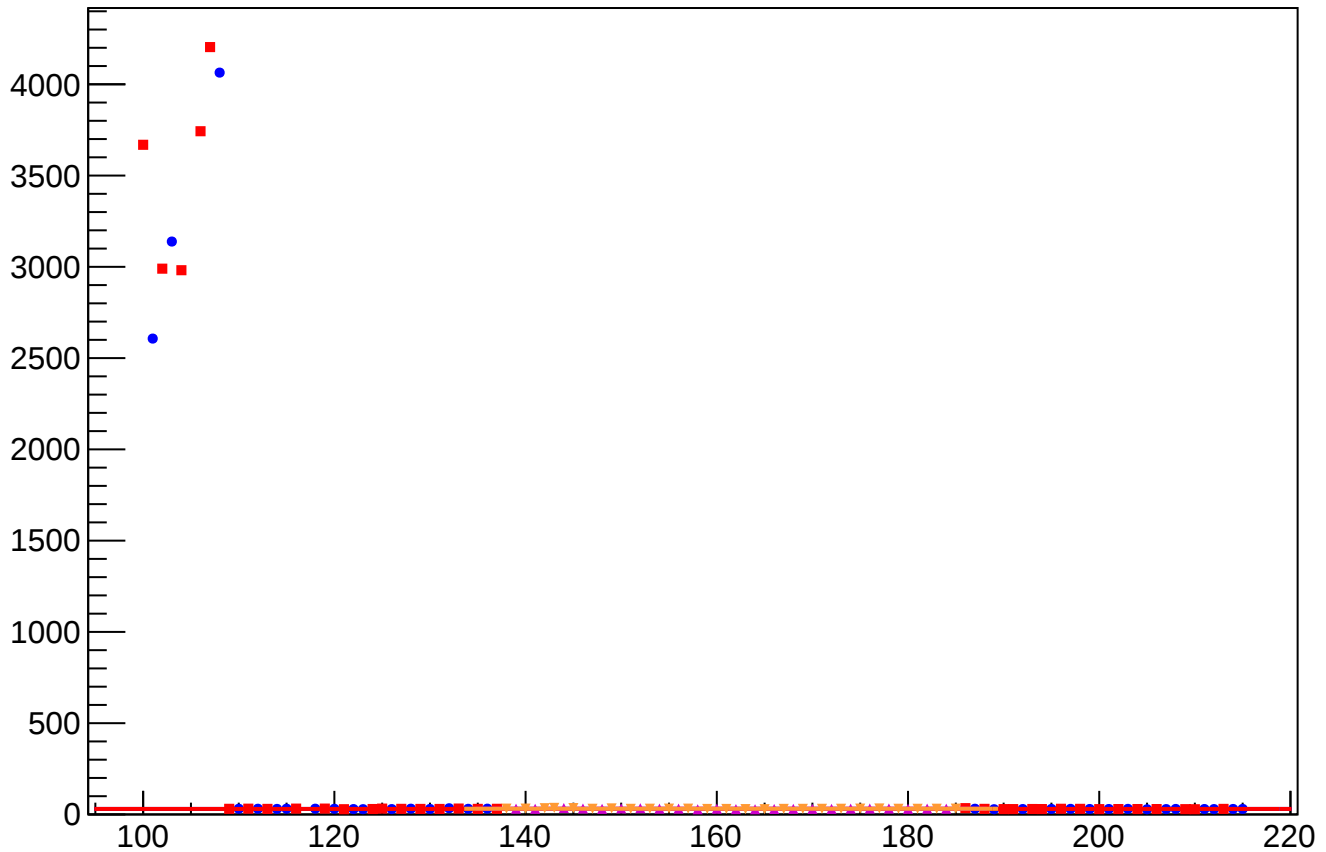
Left In: 6.386+/-7.577 χ^2/NDF :38.7/22

+ sign -9.765+/-5.276 χ^2/NDF : 50.7/56

All: -3.955+/-3.779 χ^2/NDF : 134.0/113

- sign 2.167+/-5.416 χ^2/NDF : 80.9/56

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: 30.268 $\pm$ 0.005 χ^2 /NDF: 3492211.6/33

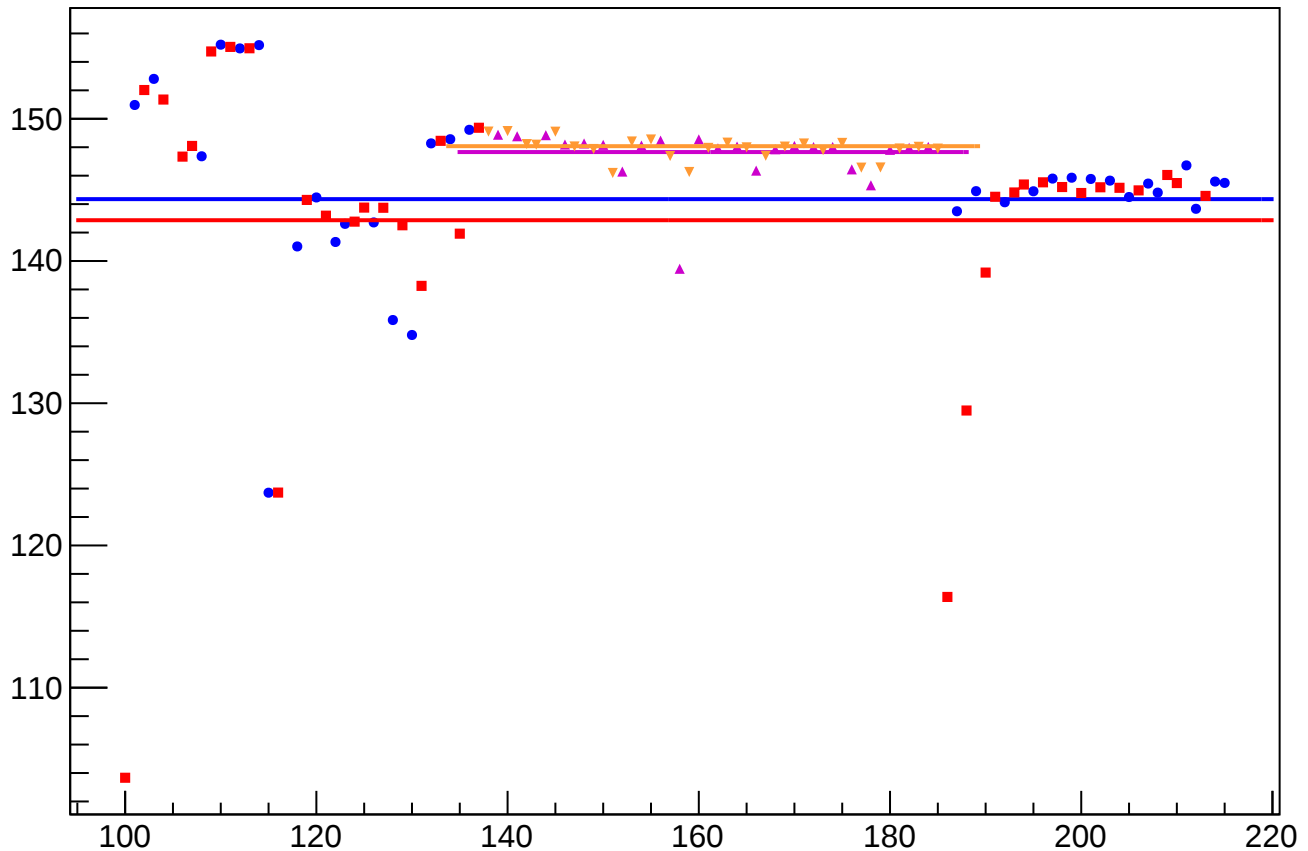
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 30.862 $\pm$ 0.004 χ^2 /NDF: 3150355.6/56

All: 30.873 $\pm$ 0.003 χ^2 /NDF: 6755221.0/113

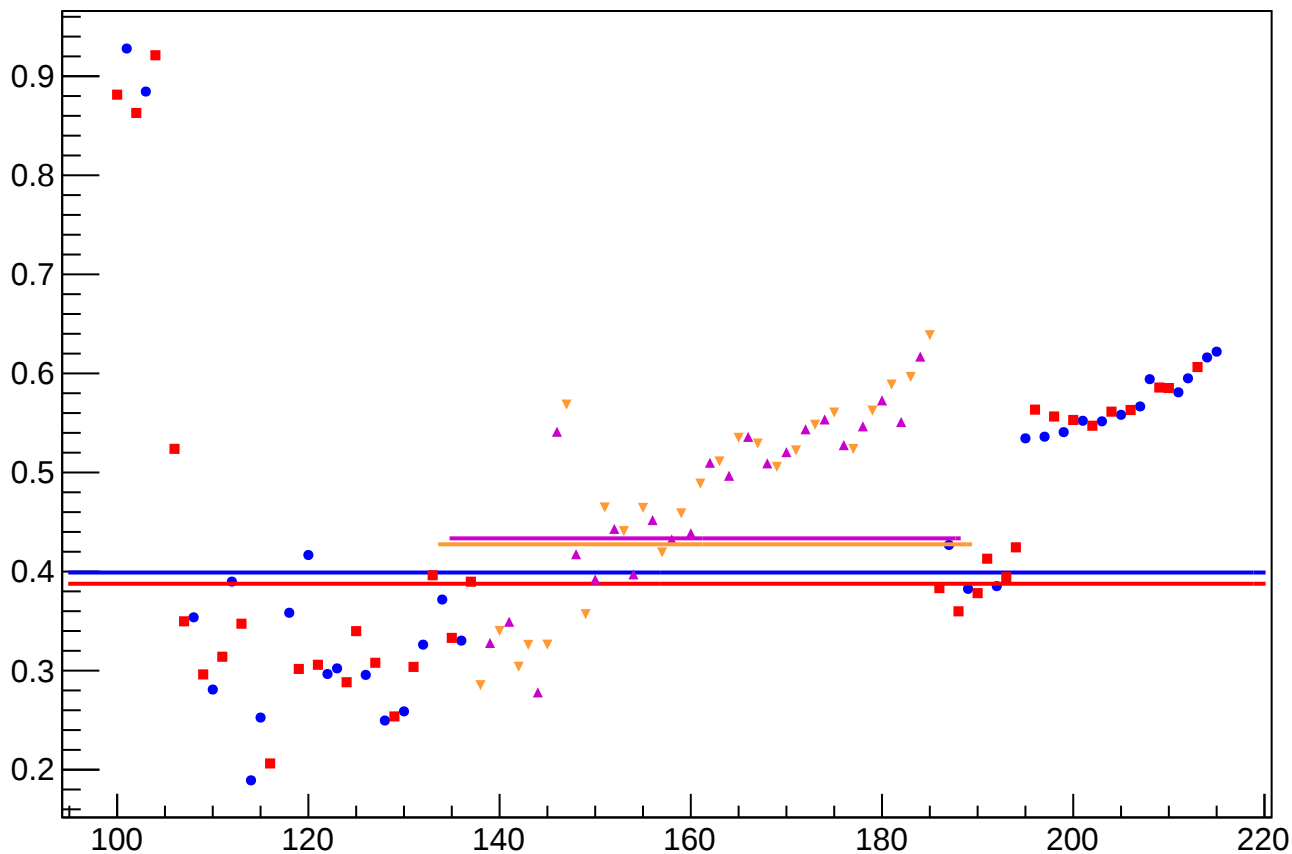
- sign 30.885 $\pm$ 0.004 χ^2 /NDF: 3604846.2/56

yield_bcm_an_ds_mean vs Slug



Right In: 144.350 $\pm$ 0.000	χ^2 /NDF: 3506504036.5/31	+ sign 146.212 $\pm$ 0.000	χ^2 /NDF: 4214029258.2/56
Left Out: 148.074 $\pm$ 0.000	χ^2 /NDF: 65673678.9/24	All: 145.655 $\pm$ 0.000	χ^2 /NDF: 13179330595.
Right Out: 142.868 $\pm$ 0.000	χ^2 /NDF: 7450633308.5/33	- sign 145.096 $\pm$ 0.000	χ^2 /NDF: 8849955511.5/56
Left In: 147.660 $\pm$ 0.000	χ^2 /NDF: 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.399 ± 0.000 $\chi^2/\text{NDF}: 3606299.3/31$

Left Out: 0.428 ± 0.000 $\chi^2/\text{NDF}: 1892802.8/24$

Right Out: 0.388 ± 0.000 $\chi^2/\text{NDF}: 3075457.2/33$

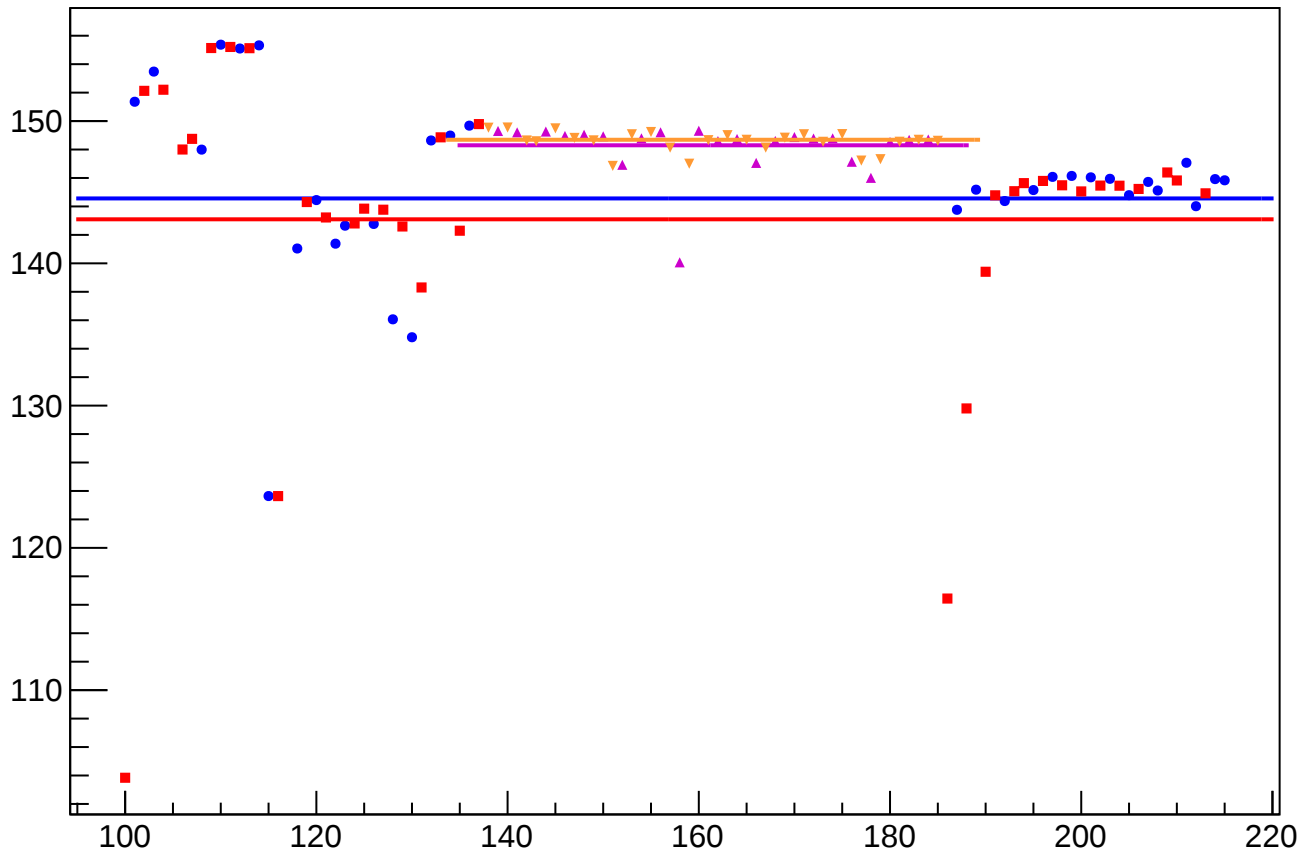
Left In: 0.434 ± 0.000 $\chi^2/\text{NDF}: 1479367.0/22$

+ sign 0.413 ± 0.000 $\chi^2/\text{NDF}: 5574212.3/56$

All: 0.411 ± 0.000 $\chi^2/\text{NDF}: 10325229.2/113$

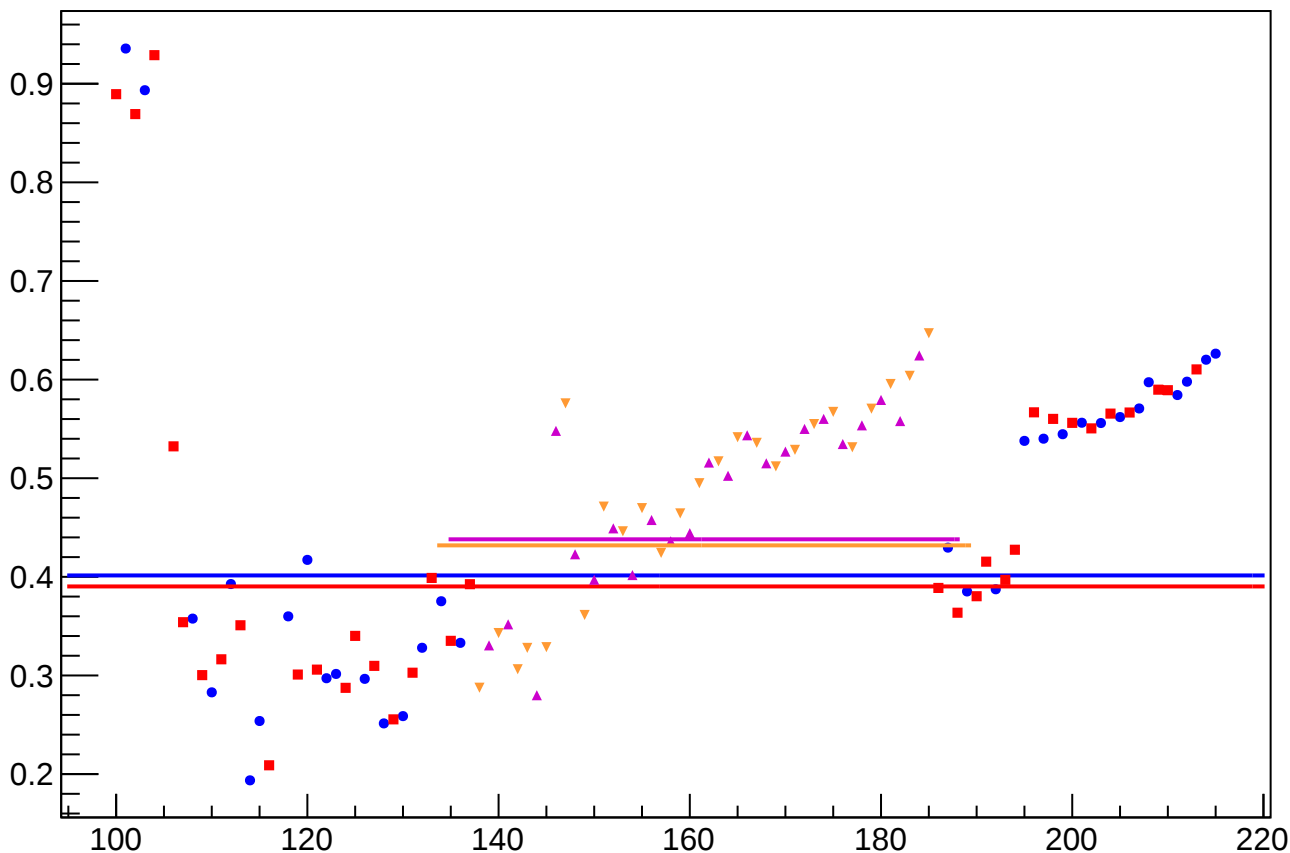
- sign 0.409 ± 0.000 $\chi^2/\text{NDF}: 4747620.9/56$

yield_bcm_an_ds3_mean vs Slug



Right In: 144.562+/-0.000	χ^2/NDF : 3557559837.3/31	+ sign 146.616+/-0.000	χ^2/NDF : 4384347372.3/56
Left Out: 148.687+/-0.000	χ^2/NDF : 52285197.5/24	All: 146.060+/-0.000	χ^2/NDF : 13453628275.
Right Out: 143.095+/-0.000	χ^2/NDF : 7402313816.5/33	- sign 145.503+/-0.000	χ^2/NDF : 8956699275.2/56
Left In: 148.298+/-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: 0.390 $\pm$ 0.000 χ^2 /NDF: 3079538.6/33

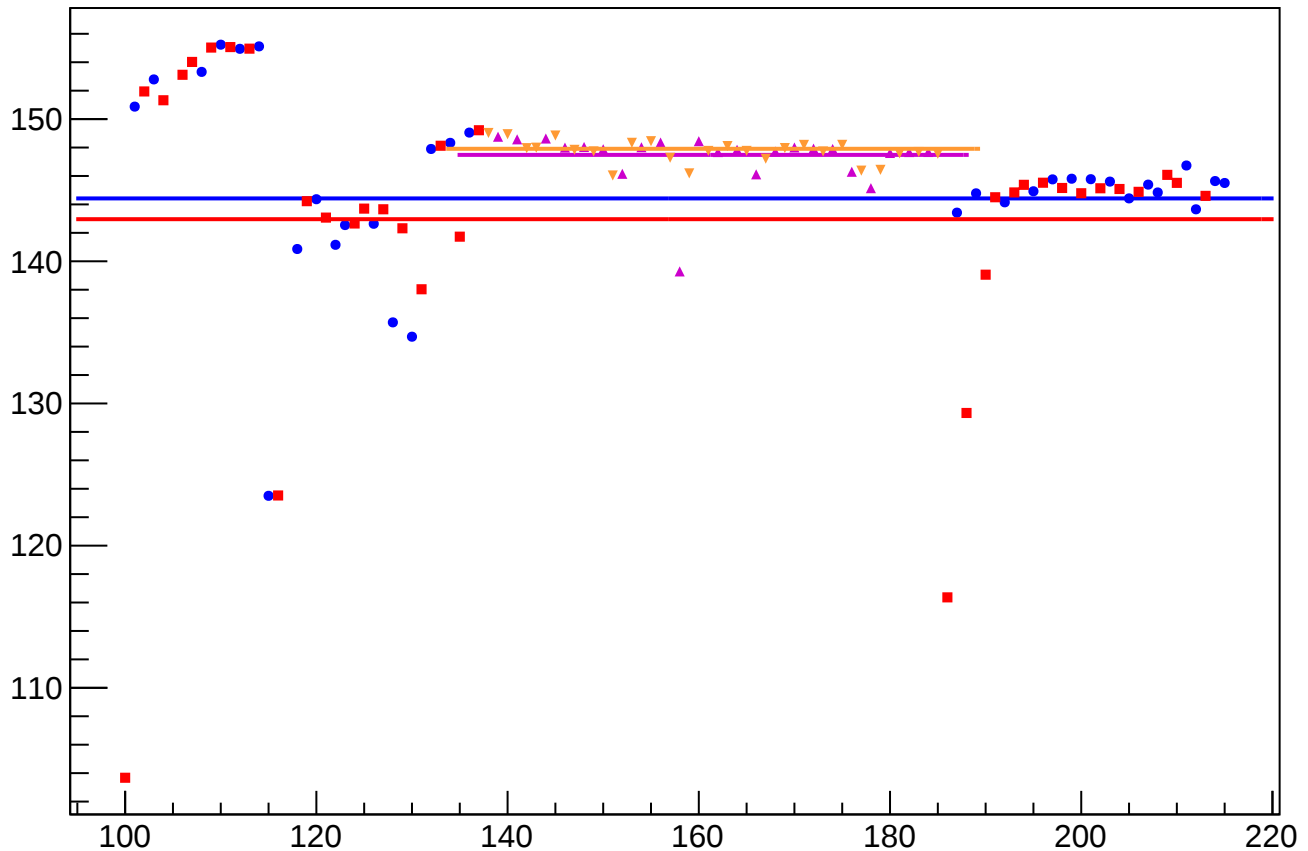
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5623802.1/56

All: 0.414 $\pm$ 0.000 χ^2 /NDF: 10417315.7/113

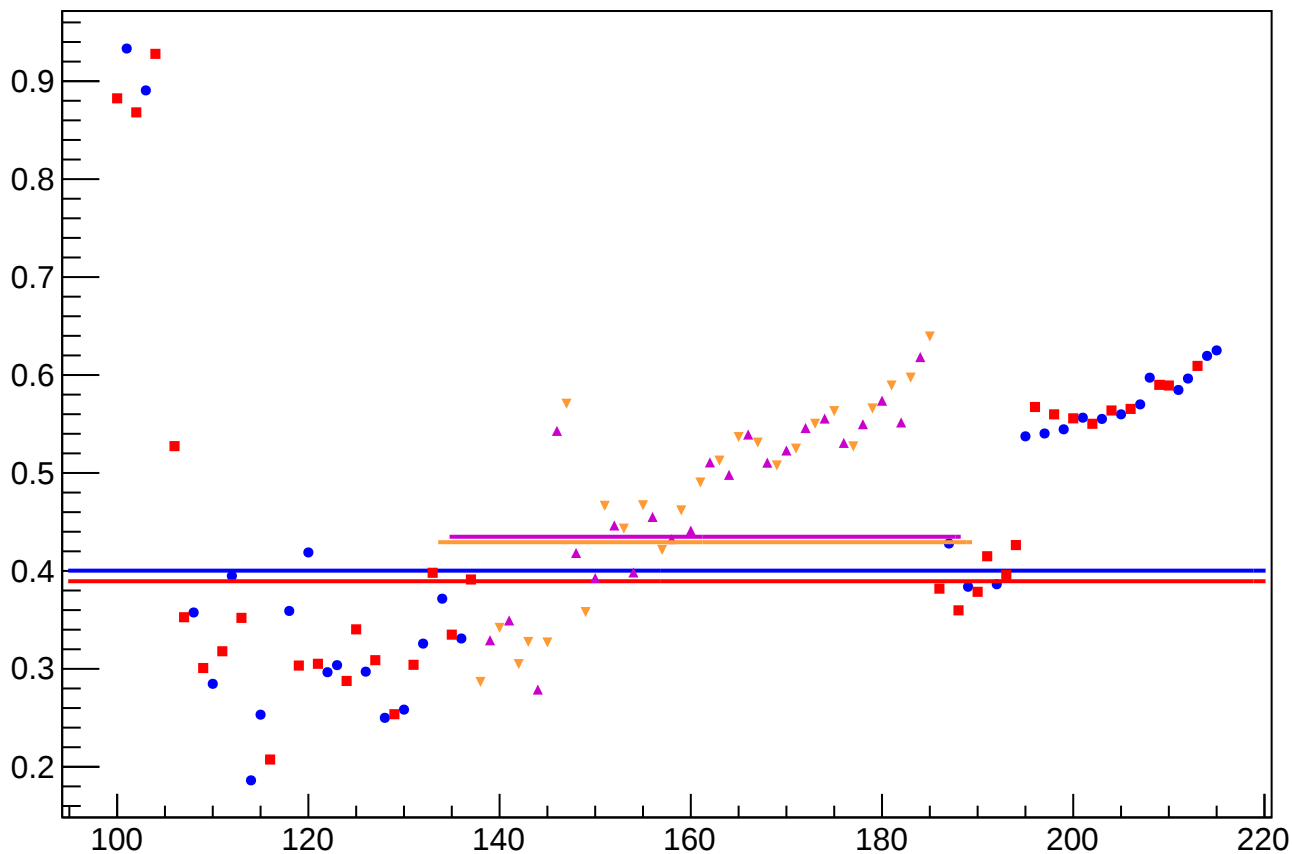
- sign 0.412 $\pm$ 0.000 χ^2 /NDF: 4790283.2/56

yield_bcm_an_us_mean vs Slug



Right In: 144.421+/-0.000	χ^2/NDF : 3711560857.3/31	+ sign 146.166+/-0.000	χ^2/NDF : 4335739460.6/56
Left Out: 147.912+/-0.000	χ^2/NDF : 64463426.1/24	All: 145.617+/-0.000	χ^2/NDF : 13547147536.
Right Out: 142.961+/-0.000	χ^2/NDF : 7825139414.0/33	- sign 145.066+/-0.000	χ^2/NDF : 9100398886.3/56
Left In: 147.483+/-0.000	χ^2/NDF : 342674720.4/22		

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: 0.389 $\pm$ 0.000 χ^2 /NDF: 3083336.0/33

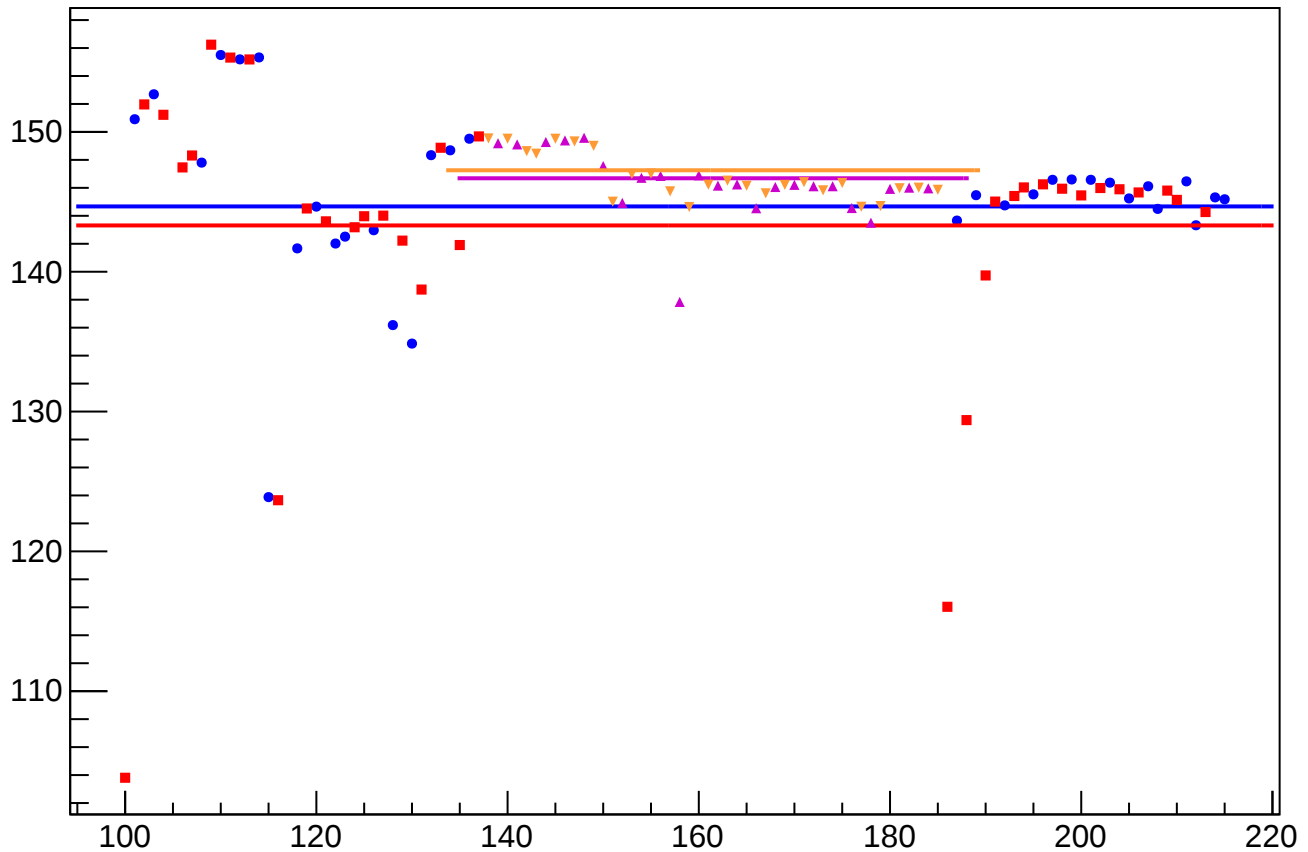
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.415 $\pm$ 0.000 χ^2 /NDF: 5614381.6/56

All: 0.413 $\pm$ 0.000 χ^2 /NDF: 10374847.8/113

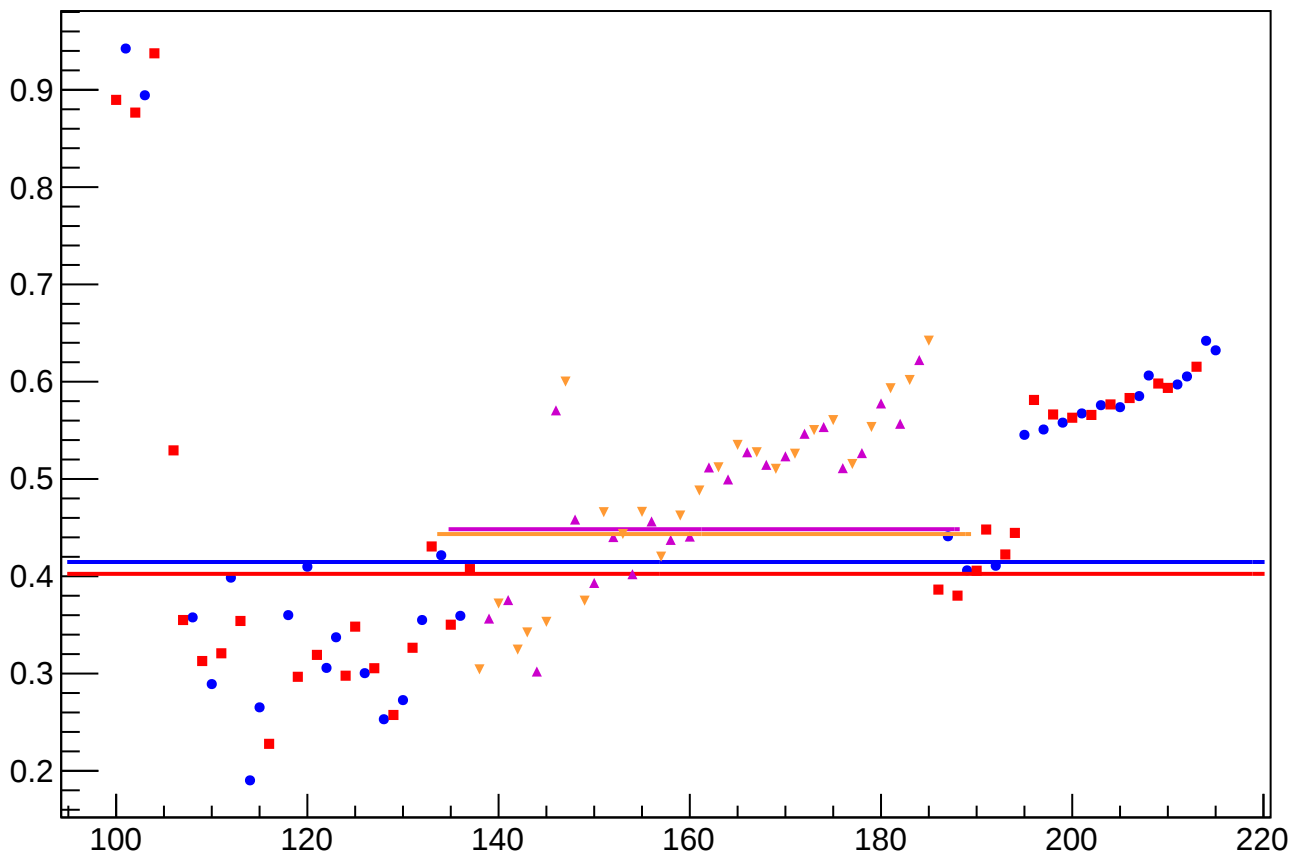
- sign 0.411 $\pm$ 0.000 χ^2 /NDF: 4757267.7/56

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: 145.434 $\pm$ 0.000	χ^2 /NDF: 12070096041.0
Right Out: 143.311 $\pm$ 0.000	χ^2 /NDF: 7143733487.8/33	- sign 144.894 $\pm$ 0.000	χ^2 /NDF: 8188288197.4/56
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: 0.402 $\pm$ 0.000 χ^2 /NDF: 2975695.8/33

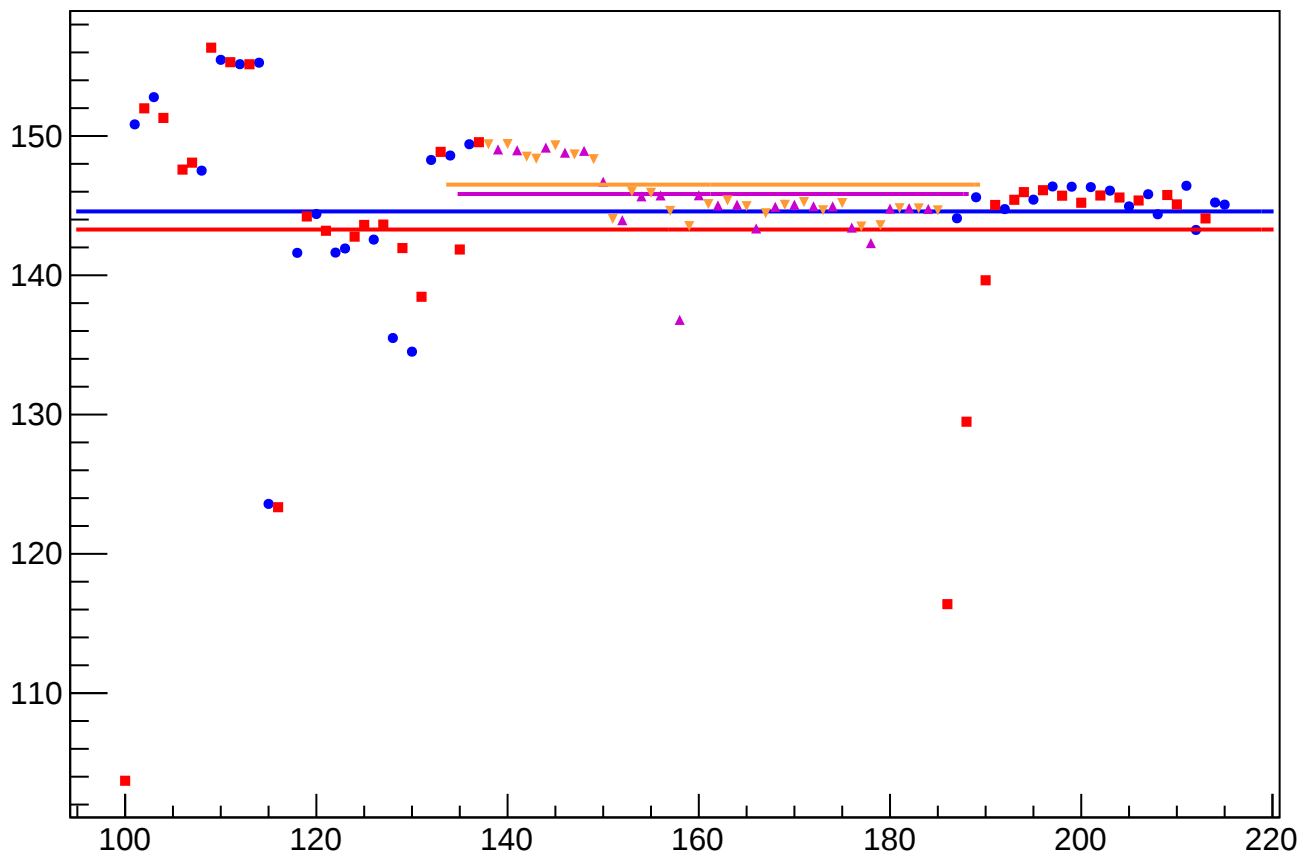
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.429 $\pm$ 0.000 χ^2 /NDF: 5075552.2/56

All: 0.427 $\pm$ 0.000 χ^2 /NDF: 9357343.7/113

- sign 0.424 $\pm$ 0.000 χ^2 /NDF: 4277278.8/56

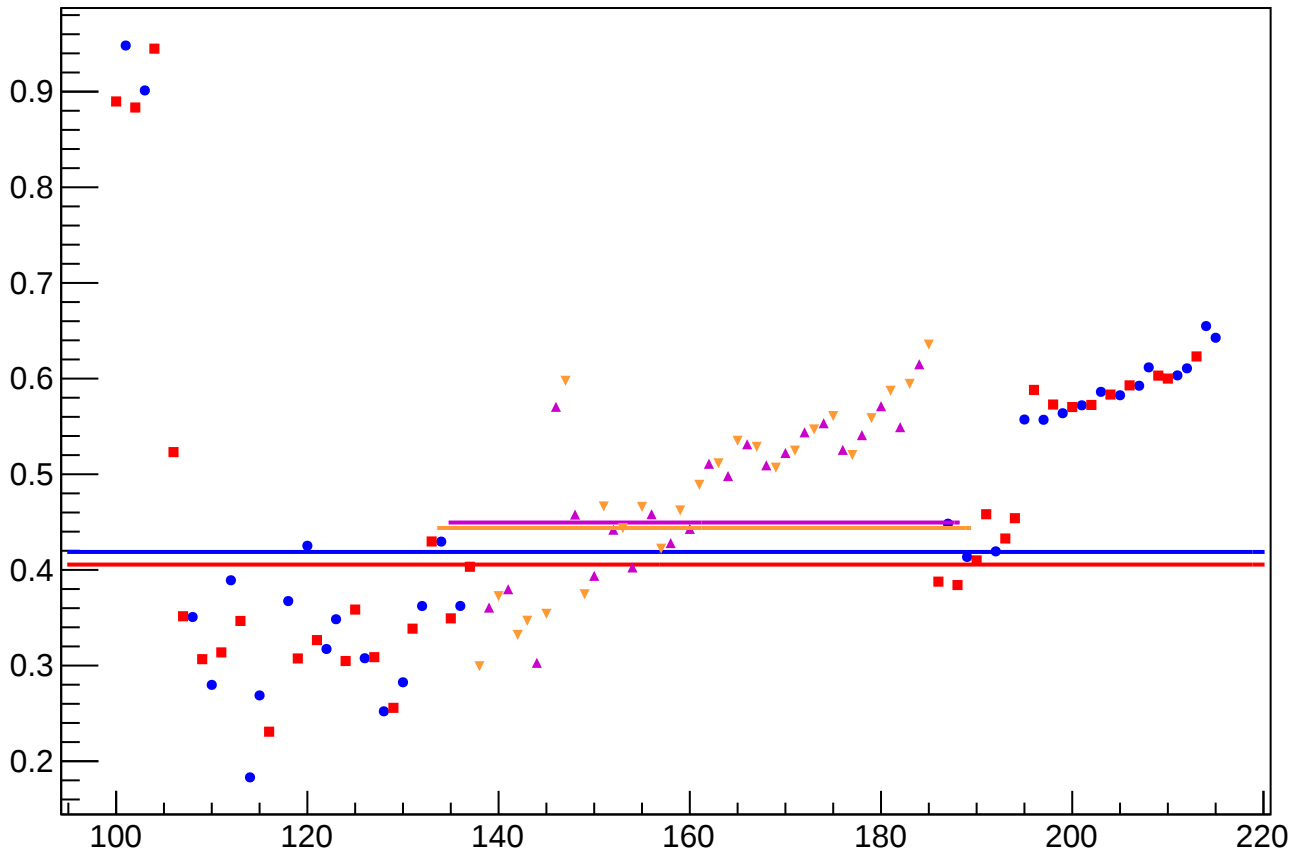
yield_bcm_dg_ds_mean vs Slug



Right In: 144.585 $\pm$ 0.000 χ^2/NDF : 3340503262.8/31
 Left Out: 146.508 $\pm$ 0.000 χ^2/NDF : 401248837.9/24
 Right Out: 143.285 $\pm$ 0.000 χ^2/NDF : 7096224142.5/33
 Left In: 145.834 $\pm$ 0.000 χ^2/NDF : 690172810.0/22

+ sign 145.564 $\pm$ 0.000 χ^2/NDF : 3899295332.6/56
 All: 145.027 $\pm$ 0.000 χ^2/NDF : 12060517597.
 - sign 144.490 $\pm$ 0.000 χ^2/NDF : 8062851499.3/56

yield_bcm_dg_ds_rms vs Slug



Right In: 0.419 $\pm$ 0.000 χ^2 /NDF: 3582792.1/31

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1460383.7/24

Right Out: 0.406 $\pm$ 0.000 χ^2 /NDF: 3013430.7/33

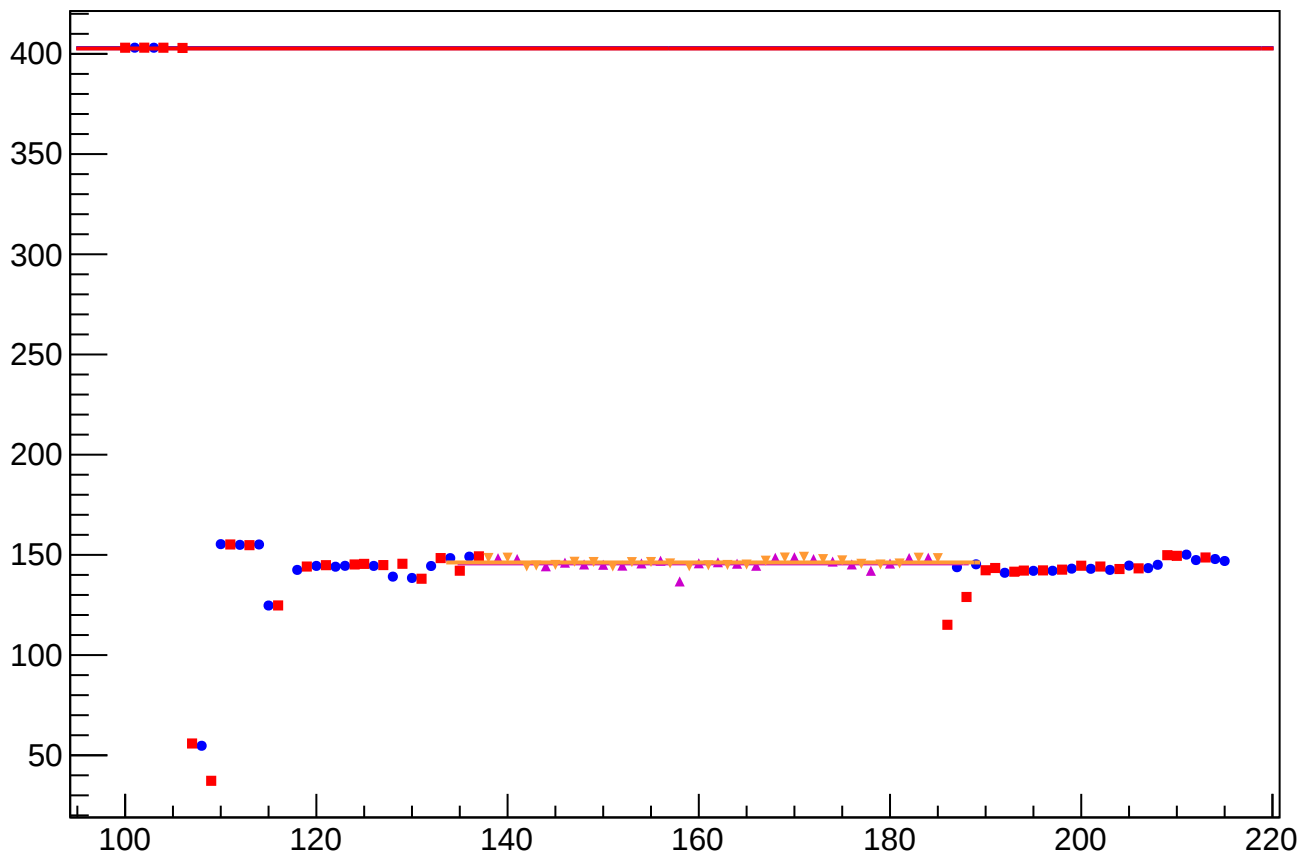
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1092776.5/22

+ sign 0.432 $\pm$ 0.000 χ^2 /NDF: 5096532.4/56

All: 0.429 $\pm$ 0.000 χ^2 /NDF: 9371607.7/113

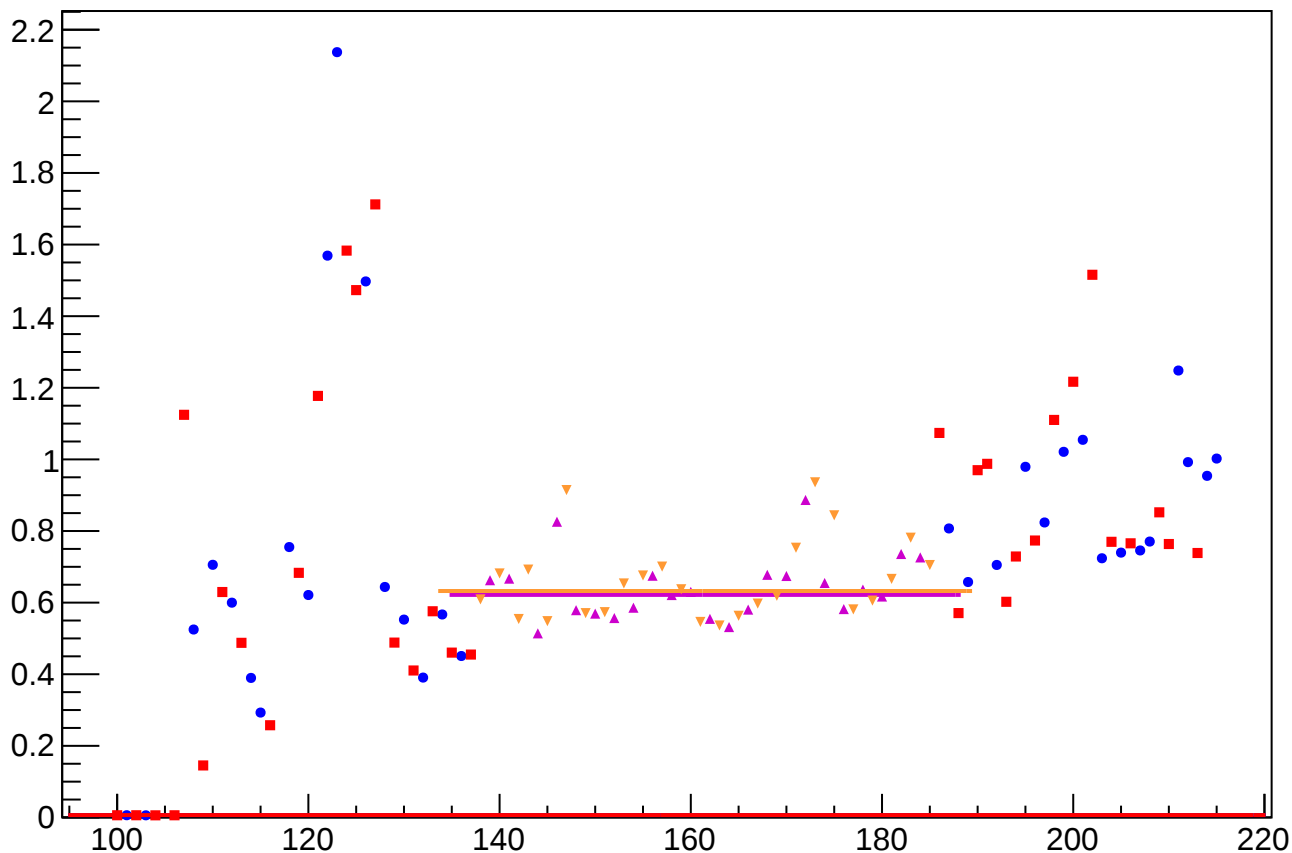
- sign 0.426 $\pm$ 0.000 χ^2 /NDF: 4270536.3/56

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: 402.497+/-0.000	χ^2/NDF : 106468789295
Right Out: 402.694+/-0.000	χ^2/NDF : 4066066385367.7/33	- sign 402.438+/-0.000	χ^2/NDF : 6393878126339.3
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: 26285318.2/33

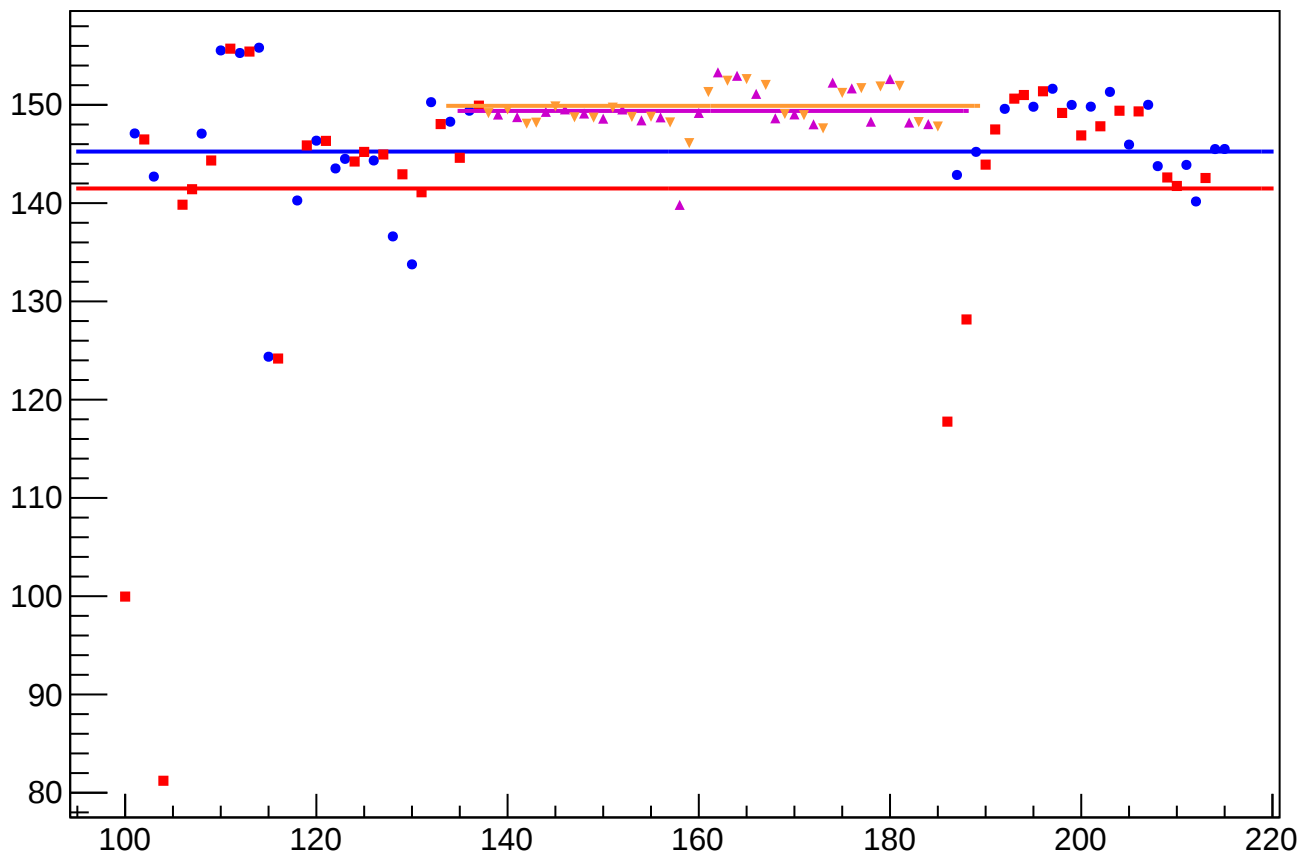
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 54581820.6/56

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 107935749.8/113

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 53353378.8/56

yield_cav4cQ_mean vs Slug



Right In: 145.247 $\pm$ 0.000 χ^2 /NDF: 1359841725.8/31

Left Out: 149.900 $\pm$ 0.000 χ^2 /NDF: 162845622.6/24

Right Out: 141.490 $\pm$ 0.000 χ^2 /NDF: 3251361999.8/33

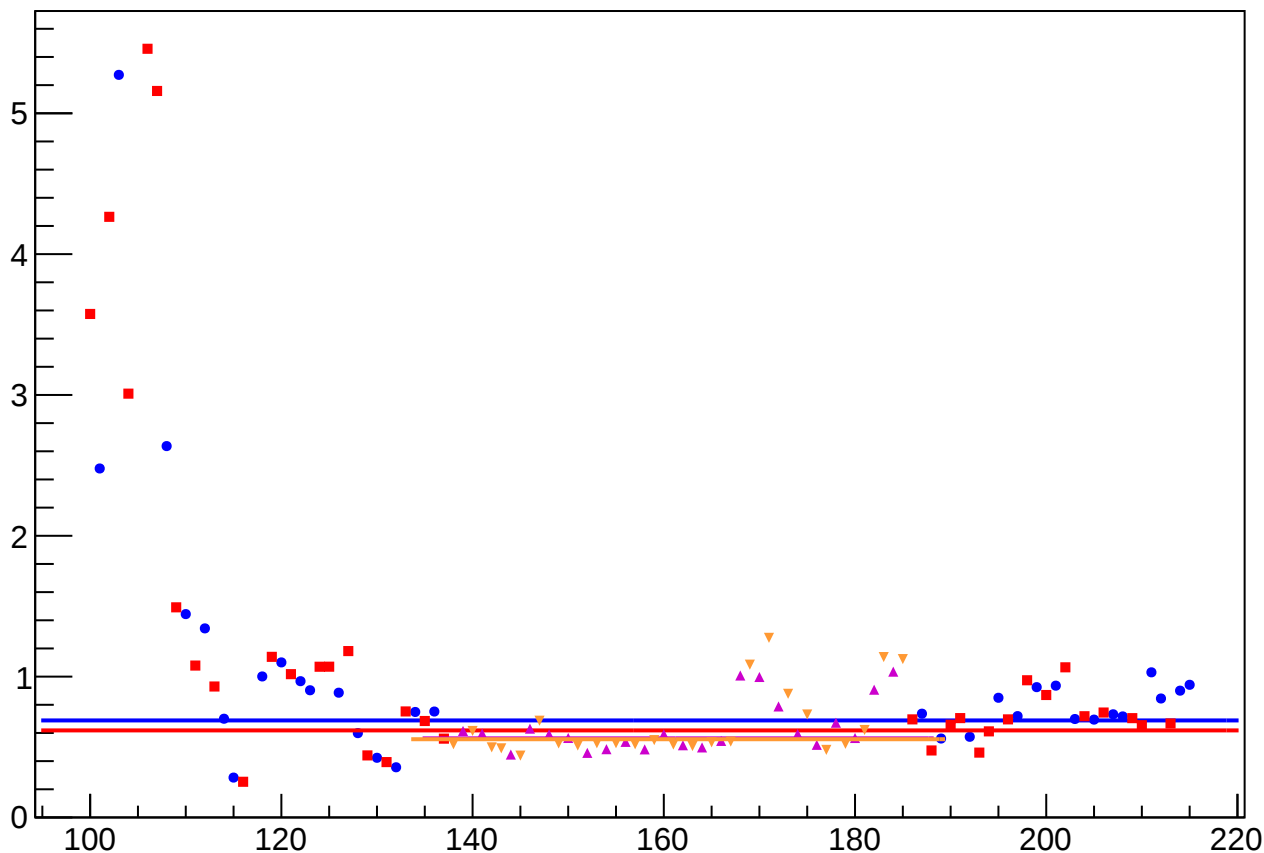
Left In: 149.382 $\pm$ 0.000 χ^2 /NDF: 434657827.5/22

+ sign 148.343 $\pm$ 0.000 χ^2 /NDF: 1890274315.5/56

All: 147.290 $\pm$ 0.000 χ^2 /NDF: 6906753980.5

- sign 146.263 $\pm$ 0.000 χ^2 /NDF: 4849531206.7/56

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: 0.618 ± 0.000 χ^2/NDF : 5581444.6/33

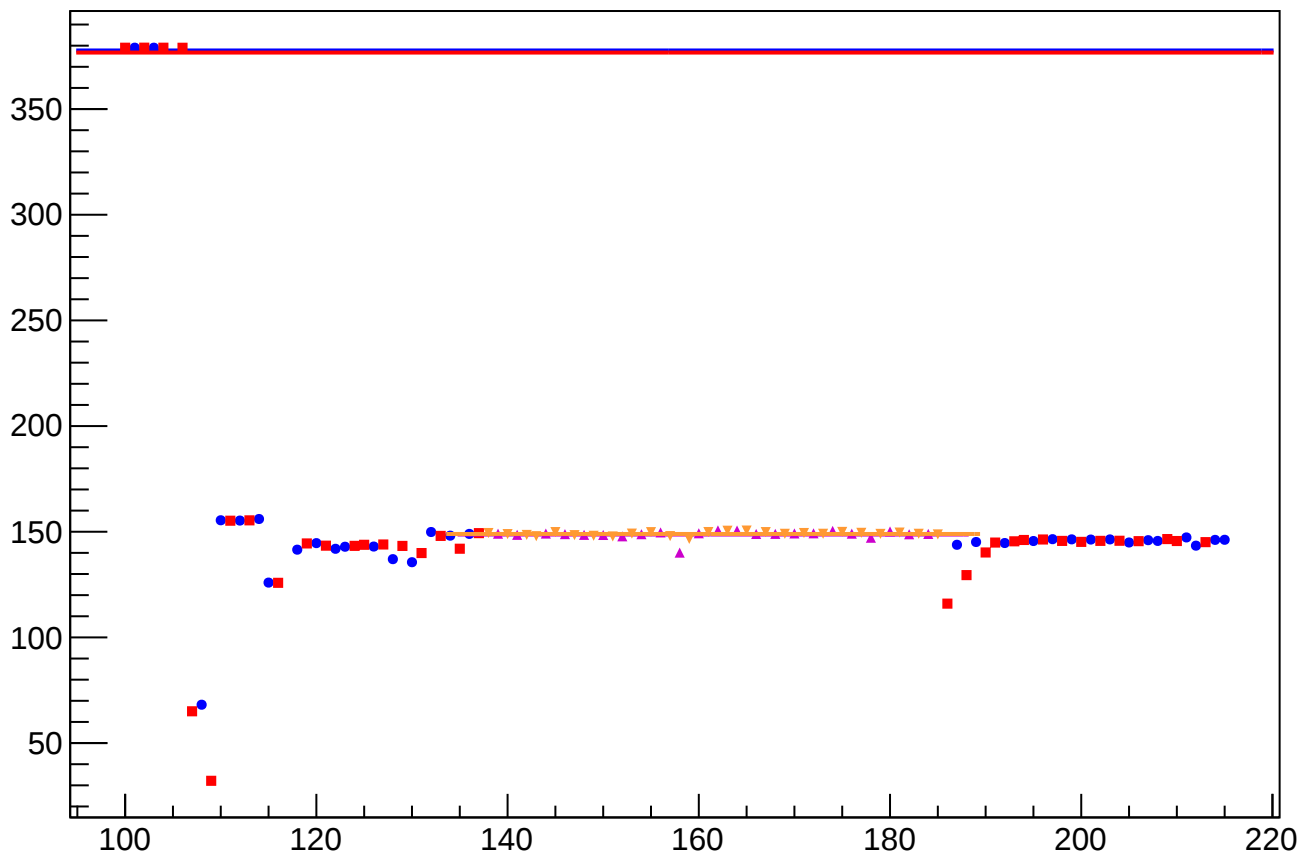
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.600 ± 0.000 χ^2/NDF : 6770373.2/56

All: 0.592 ± 0.000 χ^2/NDF : 13796098.7/113

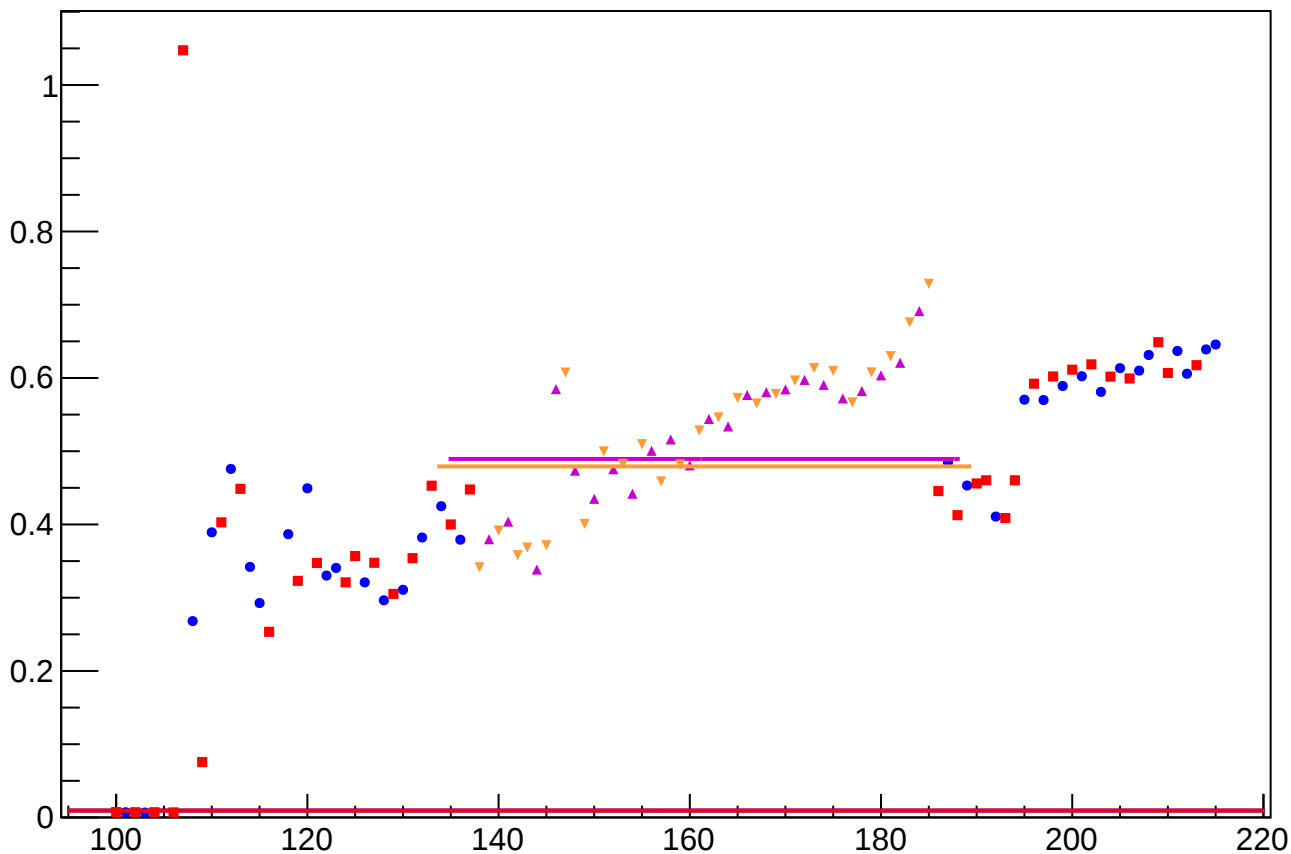
- sign 0.584 ± 0.000 χ^2/NDF : 7005662.5/56

yield_cav4dQ_mean vs Slug



Right In: 377.728+/-0.000	χ^2/NDF : 4227133226840.3/31	+ sign 376.454+/-0.000	χ^2/NDF : 8115497855349.3
Left Out: 148.944+/-0.000	χ^2/NDF : 63976941.3/24	All: 376.064+/-0.000	χ^2/NDF : 219031345390
Right Out: 376.741+/-0.000	χ^2/NDF : 10241789201187.7/33	- sign 375.721+/-0.000	χ^2/NDF : 13783792705478.5
Left In: 148.672+/-0.000	χ^2/NDF : 252846428.3/22		

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: 28685781.0/33

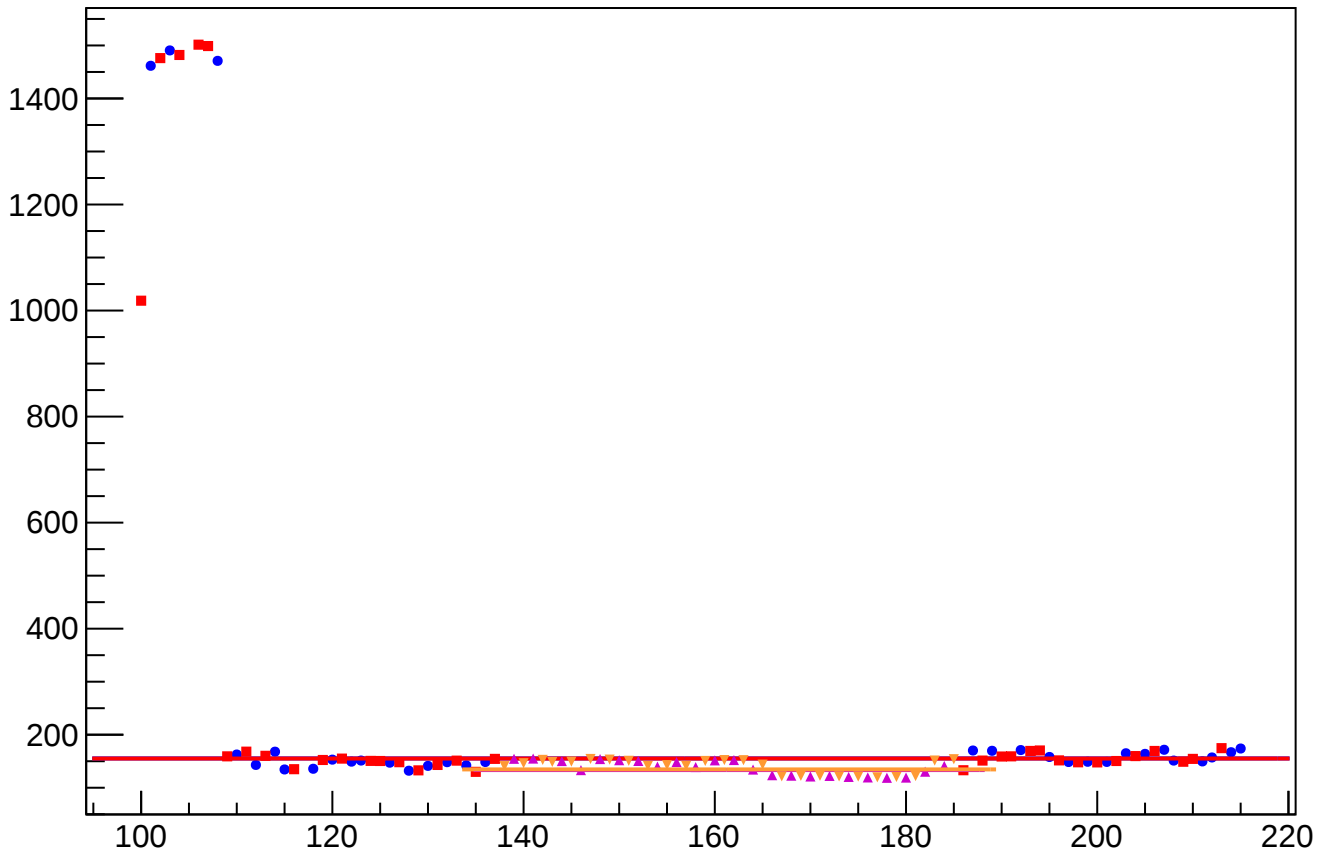
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF:1076134.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 64163129.0/56

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 125322604.2/113

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 61154677.6/56

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: 155.075+/-0.000 χ^2/NDF : 35199601014.2/33

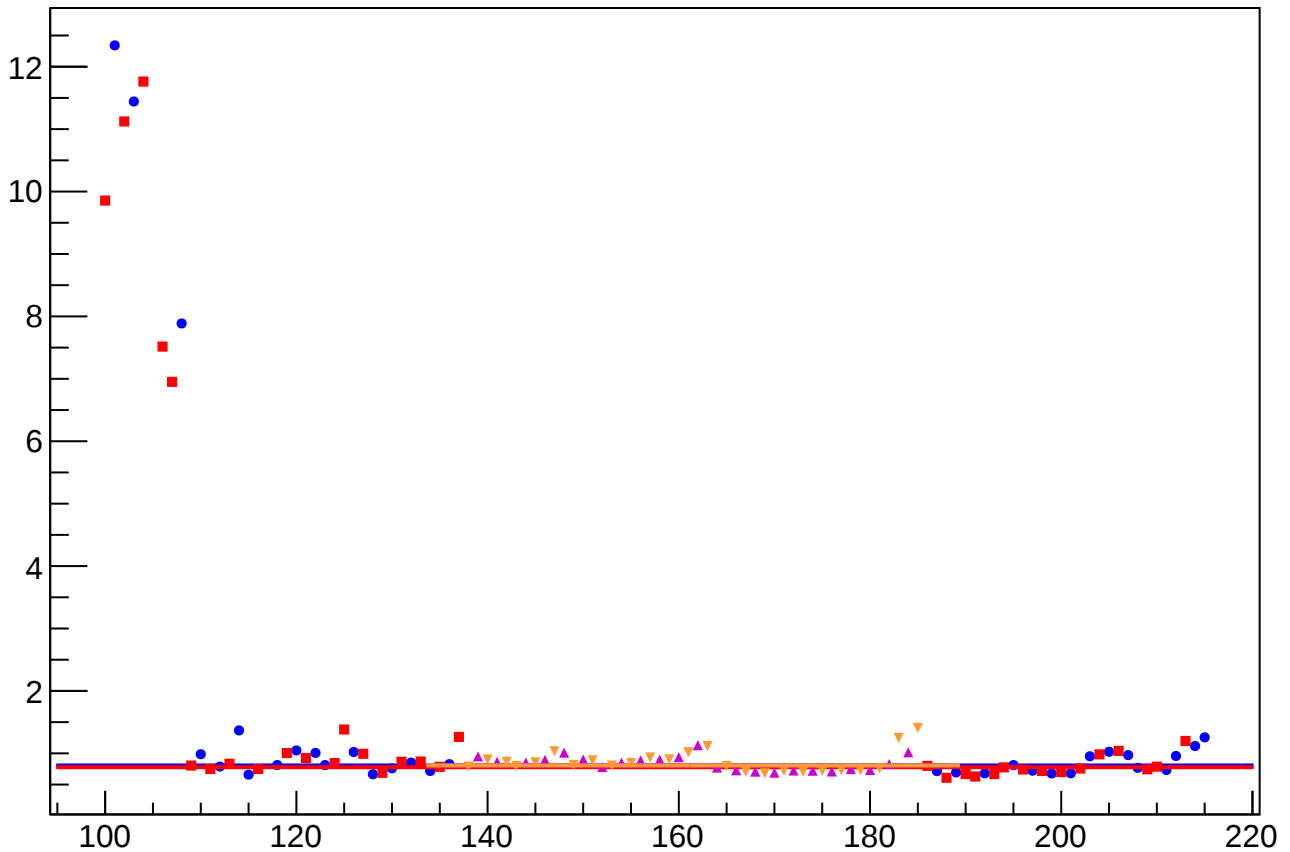
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 143.943+/-0.000 χ^2/NDF : 35170197945.7/56

All: 143.848+/-0.000 χ^2/NDF : 79823215350.0

- sign 143.753+/-0.000 χ^2/NDF : 44652230332.6/56

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: 0.778 ± 0.000 χ^2/NDF : 3445620.8/33

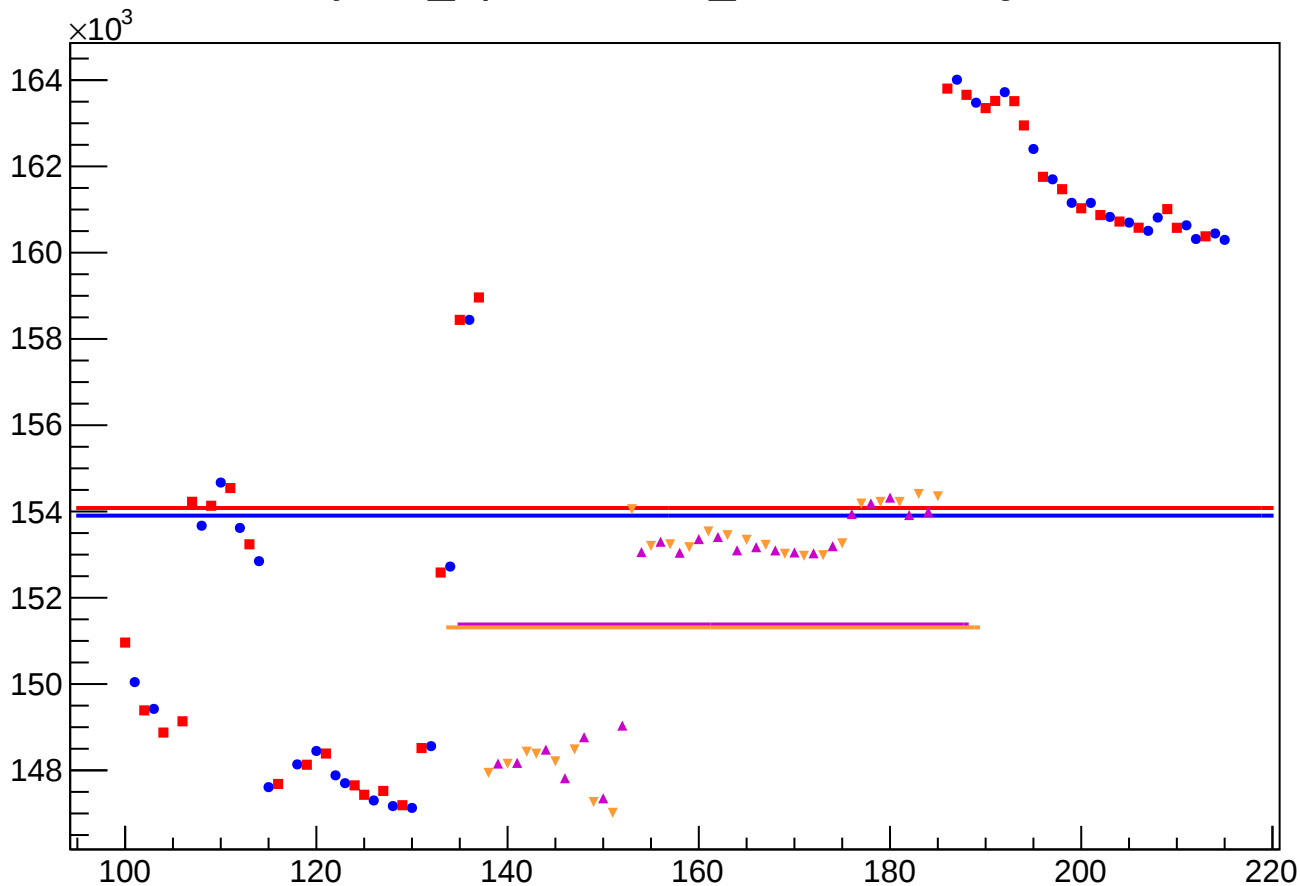
Left In: 0.805 ± 0.000 χ^2/NDF : 480510.8/22

+ sign 0.806 ± 0.000 χ^2/NDF : 3994266.8/56

All: 0.799 ± 0.000 χ^2/NDF : 7944797.5/113

- sign 0.792 ± 0.000 χ^2/NDF : 3941872.5/56

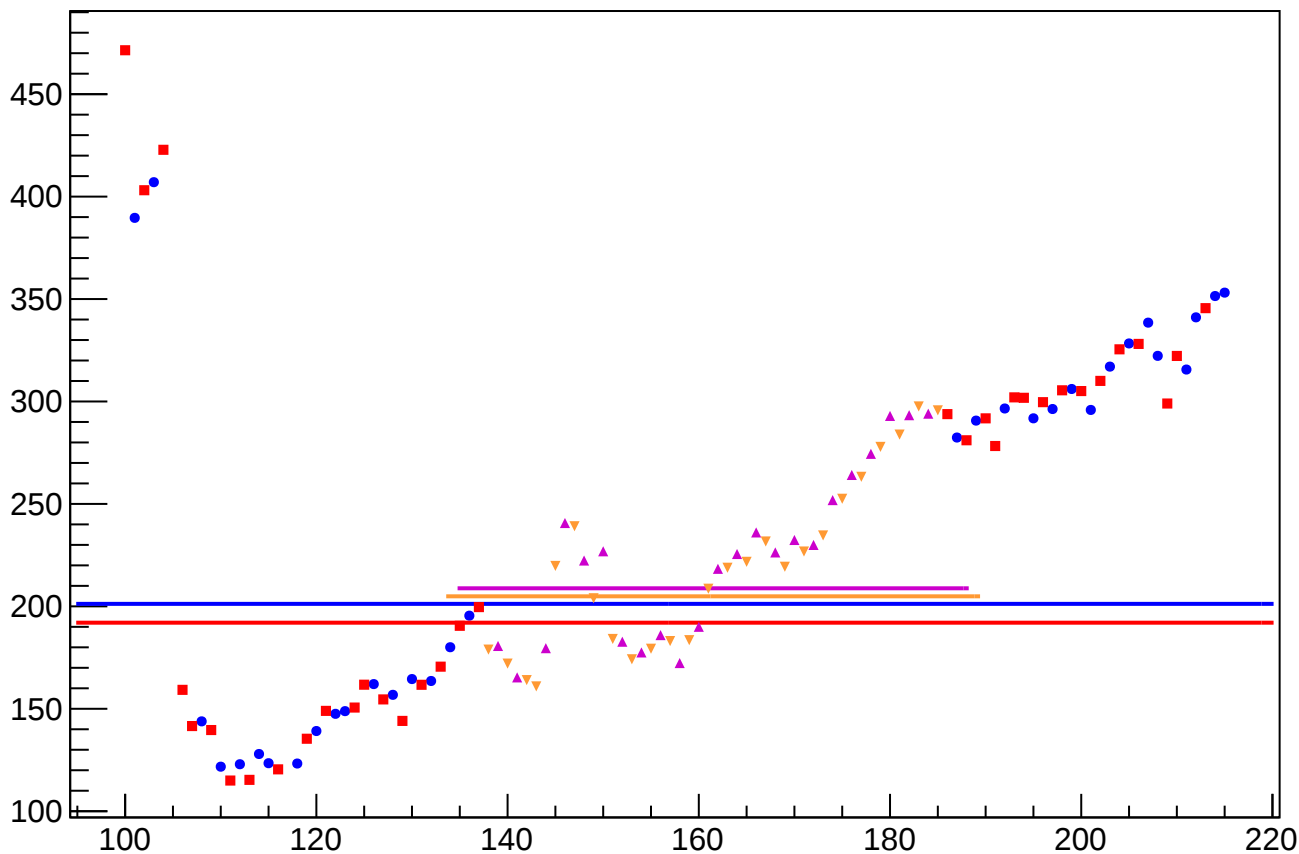
yield_bpm0i01WS_mean vs Slug



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: 154081.066 $\pm$ 0.051 χ^2 /NDF: 12539831057.2/33
 Left In: 151380.236 $\pm$ 0.051 χ^2 /NDF: 2363895785.3/22

+ sign 152503.710 $\pm$ 0.036 χ^2 /NDF: 16599097697.
 All: 152621.948 $\pm$ 0.025 χ^2 /NDF: 329282437.
 - sign 152741.854 $\pm$ 0.036 χ^2 /NDF: 16307168931.8

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: 192.028 $\pm$ 0.036 χ^2 /NDF: 5128143.7/33

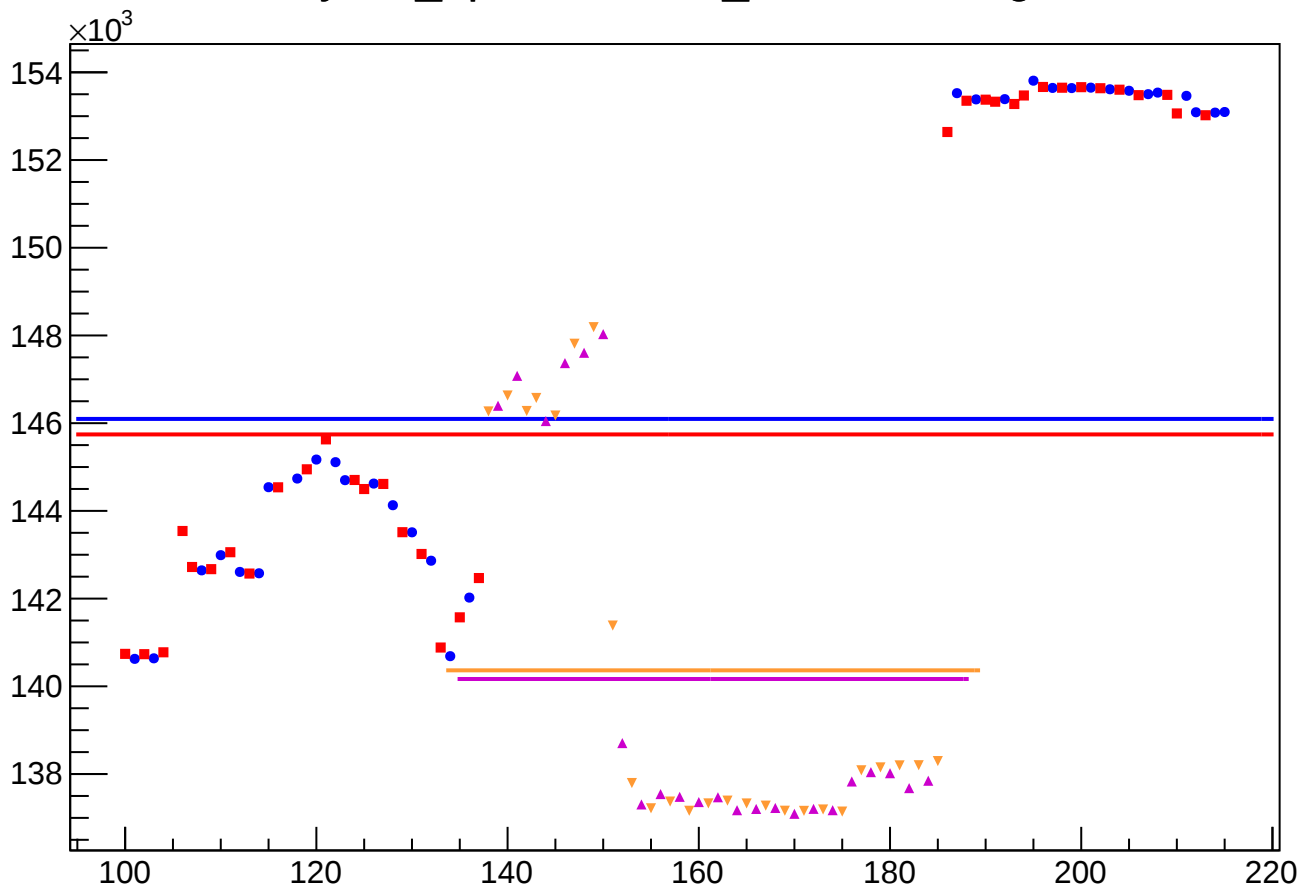
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 203.207 $\pm$ 0.025 χ^2 /NDF: 6223176.2/56

All: 201.789 $\pm$ 0.018 χ^2 /NDF: 12467978.8/1

- sign 200.351 $\pm$ 0.025 χ^2 /NDF: 6238481.1/56

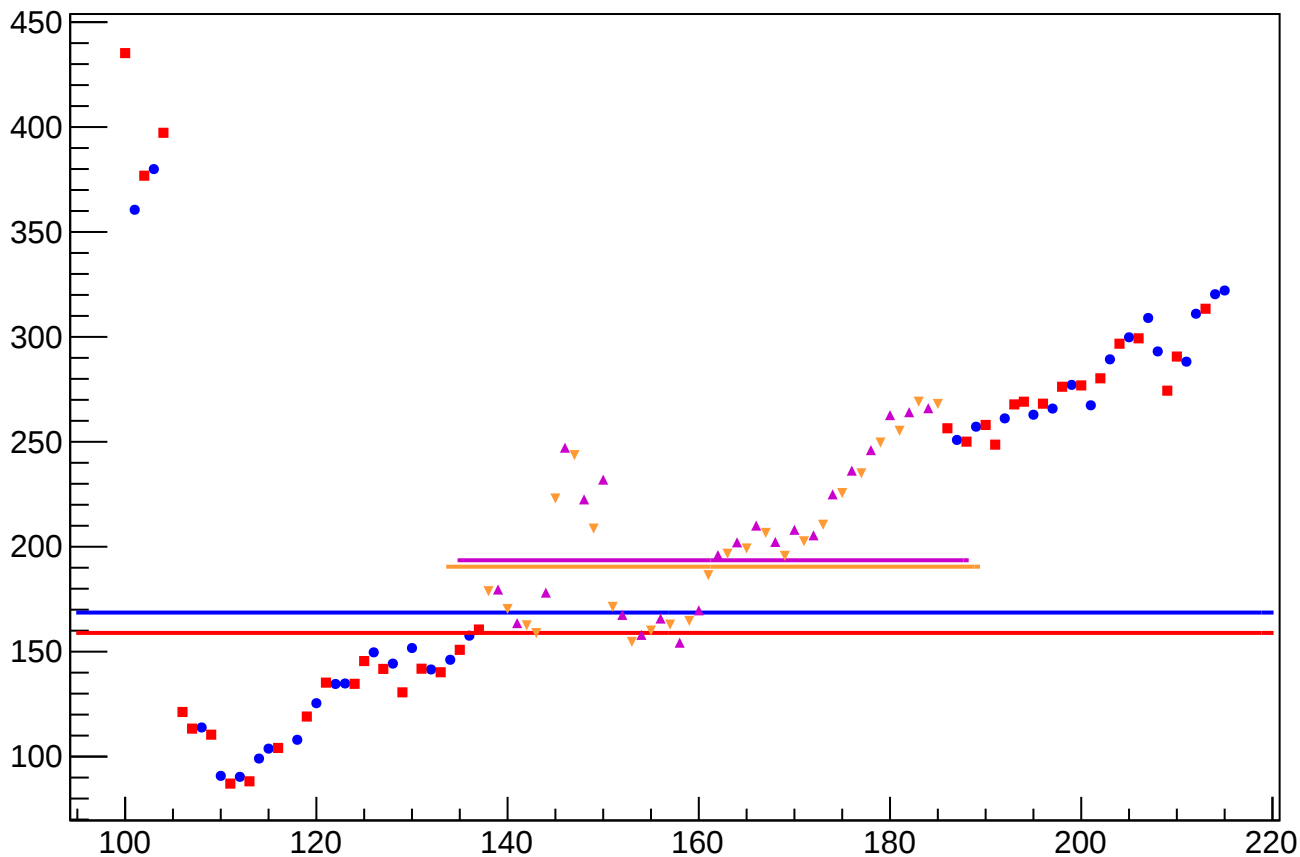
yield_bpm0i01aWS_mean vs Slug



Right In: 146096.874 ± 0.045 $\chi^2/\text{NDF}: 10356623359.8/31$
 Left Out: 140364.444 ± 0.045 $\chi^2/\text{NDF}: 8677078677.7/24$
 Right Out: 145743.443 ± 0.043 $\chi^2/\text{NDF}: 10944410724.2/33$
 Left In: 140166.971 ± 0.047 $\chi^2/\text{NDF}: 8028464654.6/22$

+ sign 143234.299 ± 0.032 $\chi^2/\text{NDF}: 27079621696.7/24$
 All: 143240.130 ± 0.023 $\chi^2/\text{NDF}: 536785495.7/24$
 - sign 143245.888 ± 0.032 $\chi^2/\text{NDF}: 26598861705.7/24$

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: 158.936 $\pm$ 0.030 χ^2 /NDF: 6291419.7/33

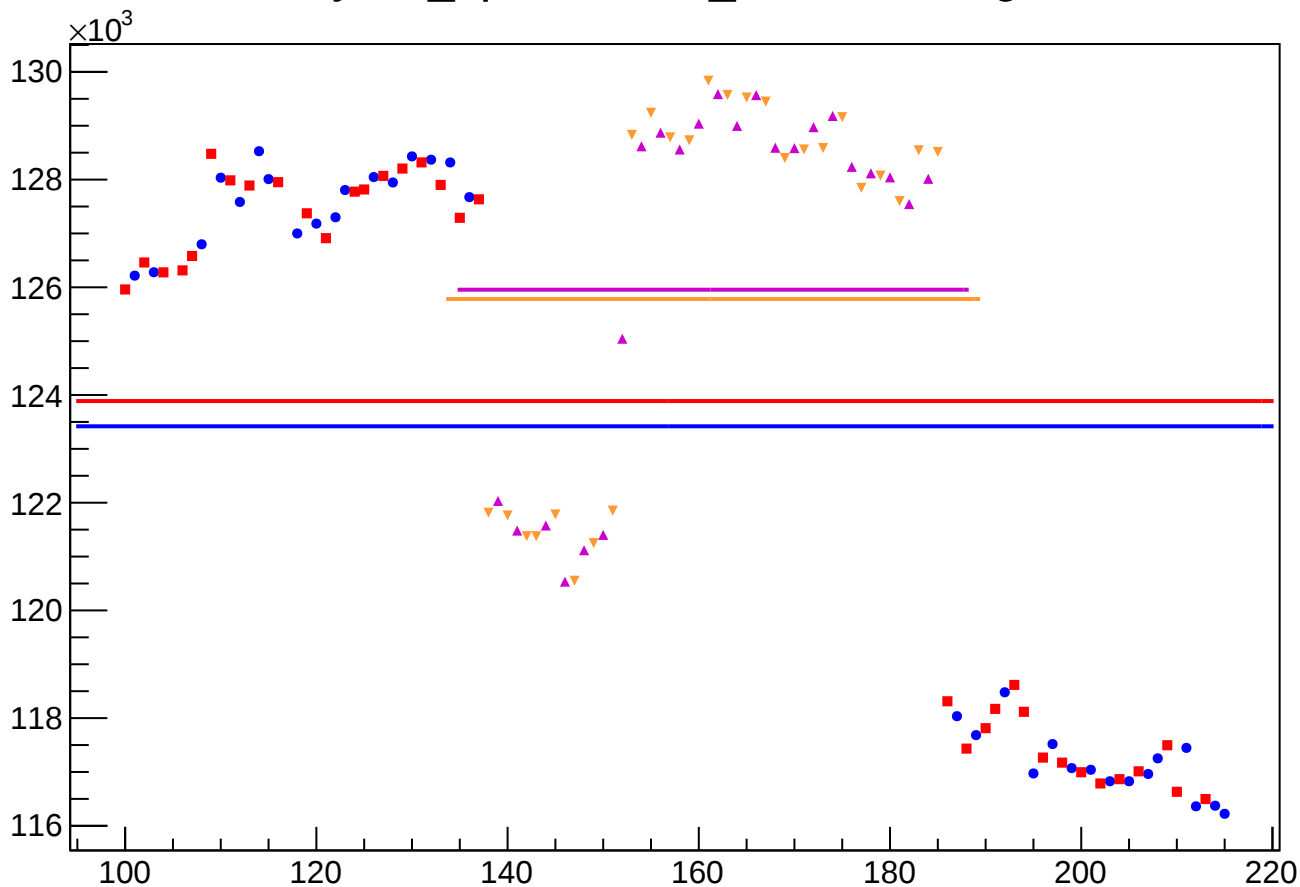
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF:963675.0/22

+ sign 179.545 $\pm$ 0.023 χ^2 /NDF: 7511807.8/56

All: 176.978 $\pm$ 0.016 χ^2 /NDF: 15380494.6/1

- sign 174.442 $\pm$ 0.022 χ^2 /NDF: 7843023.1/56

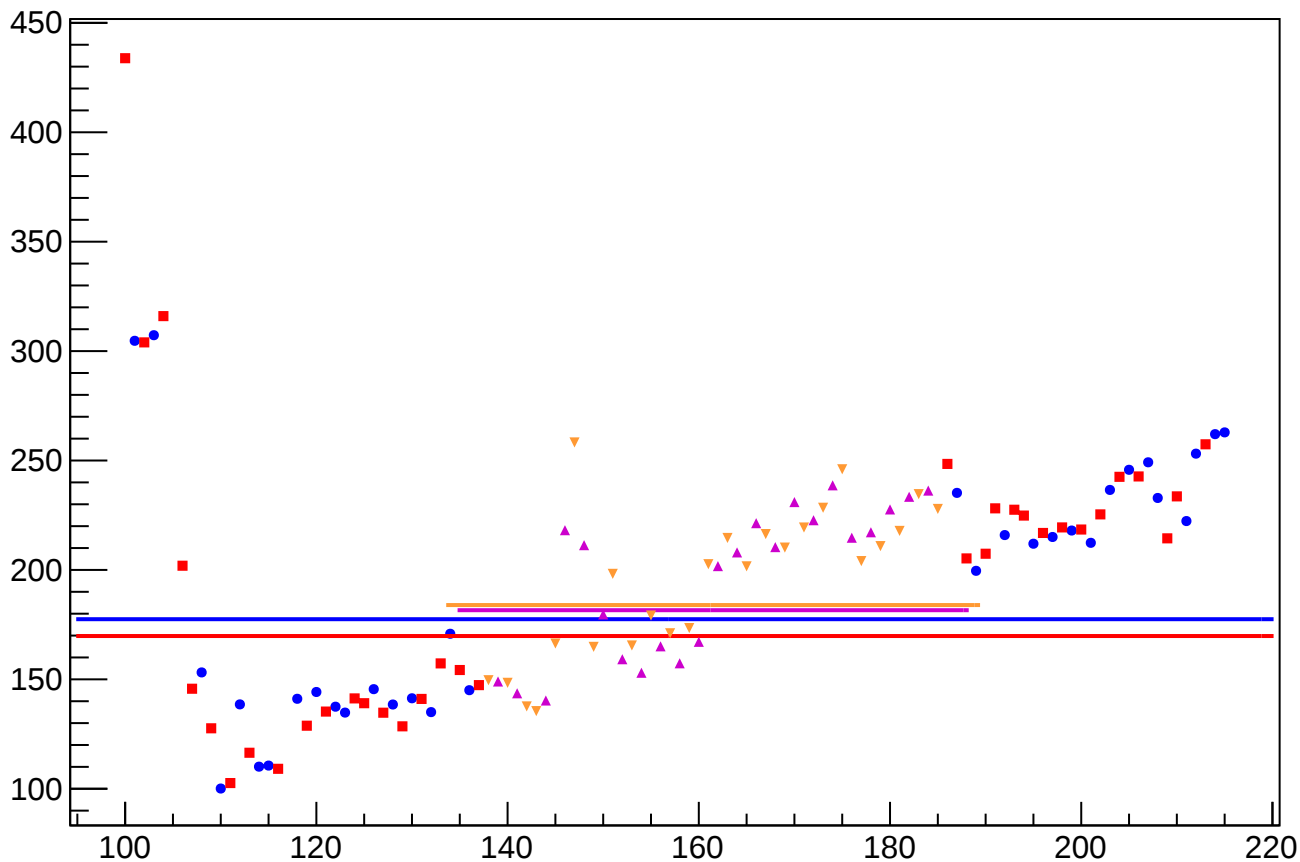
yield_bpm0l01WS_mean vs Slug



Right In: 123418.891 $\pm$ 0.045 χ^2 /NDF: 13525170553.4/31
 Left Out: 125782.764 $\pm$ 0.044 χ^2 /NDF: 6729761889.8/24
 Right Out: 123887.901 $\pm$ 0.043 χ^2 /NDF: 13541637009.1/33
 Left In: 125955.637 $\pm$ 0.045 χ^2 /NDF: 5804088930.1/22

+ sign 124622.740 $\pm$ 0.031 χ^2 /NDF: 21671113593.5
 All: 124755.624 $\pm$ 0.022 χ^2 /NDF: 42153803
 - sign 124886.242 $\pm$ 0.031 χ^2 /NDF: 20447181190.4

yield_bpm0l01WS_rms vs Slug



Right In: 177.485 $\pm$ 0.032 χ^2 /NDF: 2753728.6/31

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF: 1123194.0/24

Right Out: 169.794 $\pm$ 0.031 χ^2 /NDF: 2981884.4/33

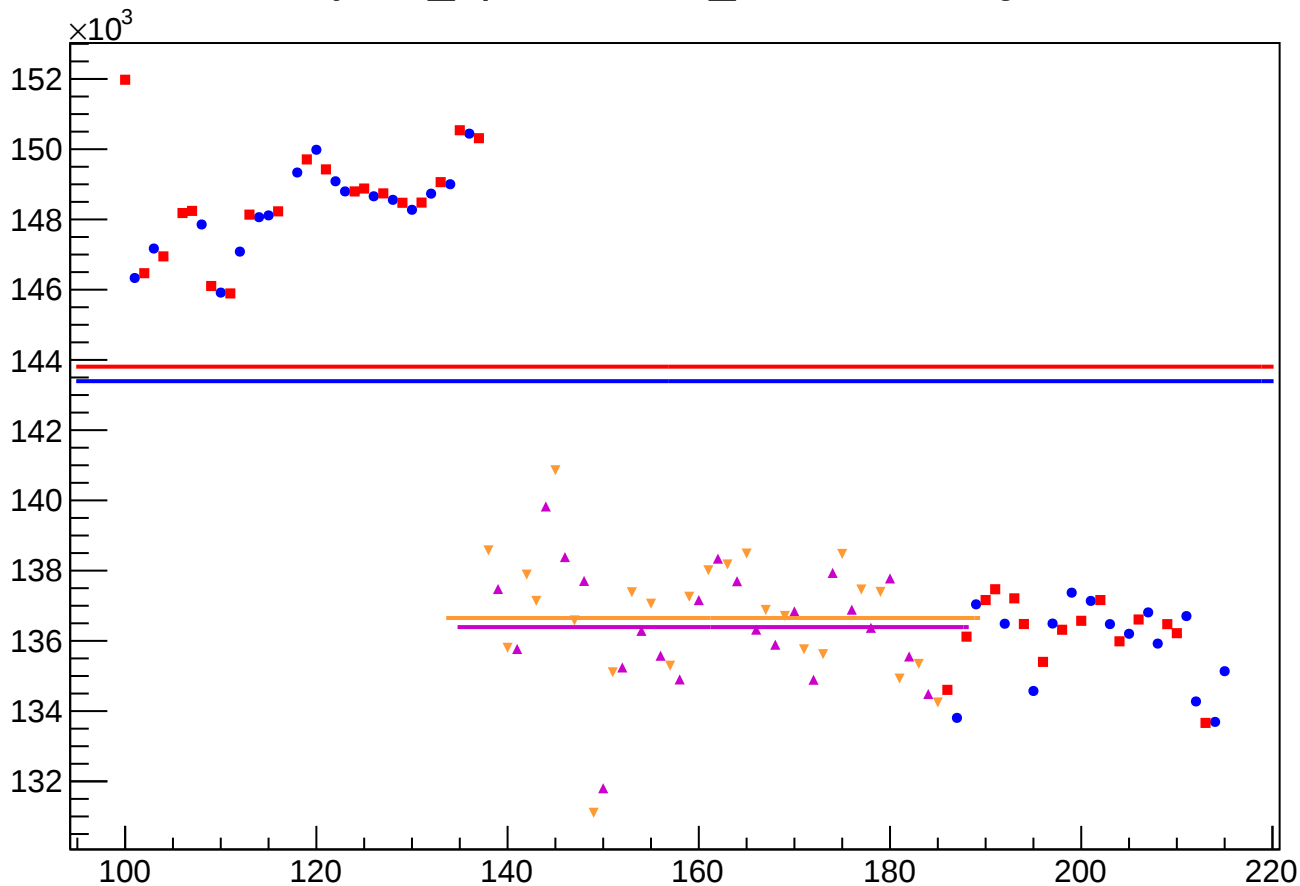
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF: 1103524.3/22

+ sign 180.776 $\pm$ 0.022 χ^2 /NDF: 3898088.9/56

All: 178.111 $\pm$ 0.016 χ^2 /NDF: 8083816.5/113

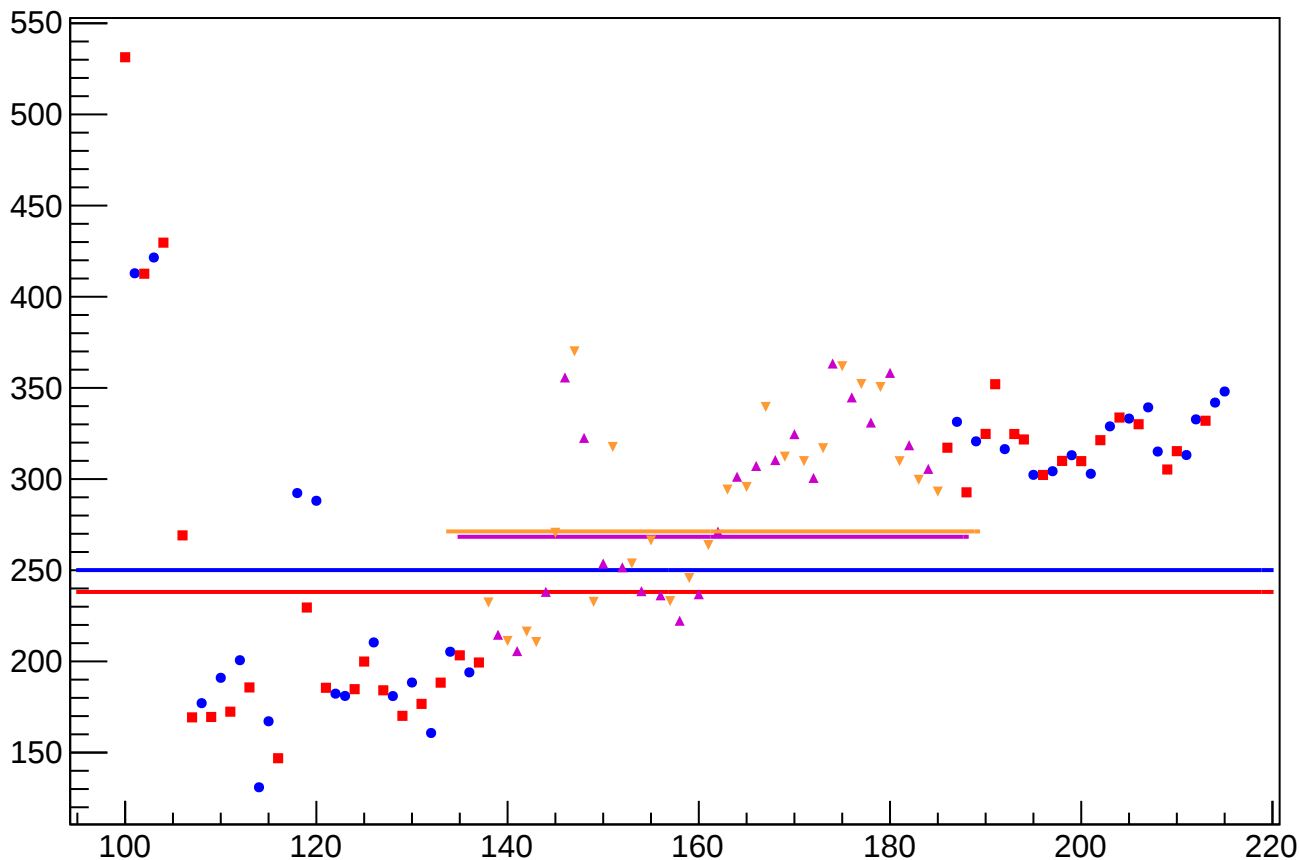
- sign 175.492 $\pm$ 0.022 χ^2 /NDF: 4157174.2/56

yield_bpm0l02WS_mean vs Slug



Right In: 143394.624 $\pm$ 0.063	χ^2 /NDF: 9820532133.7/31	+ sign 140101.097 $\pm$ 0.045	χ^2 /NDF: 16322070237.7
Left Out: 136650.935 $\pm$ 0.065	χ^2 /NDF: 930649595.5/24	All: 140257.662 $\pm$ 0.032	χ^2 /NDF: 335796873.7
Right Out: 143807.810 $\pm$ 0.061	χ^2 /NDF: 9683974740.2/33	- sign 140410.679 $\pm$ 0.045	χ^2 /NDF: 17233854455.3
Left In: 136392.188 $\pm$ 0.066	χ^2 /NDF: 701986841.4/22		

yield_bpm0l02WS_rms vs Slug



Right In: 250.080+/-0.045 χ^2/NDF : 2739874.7/31

Left Out: 271.295+/-0.046 χ^2/NDF : 1064485.7/24

Right Out: 238.091+/-0.043 χ^2/NDF : 2840015.0/33

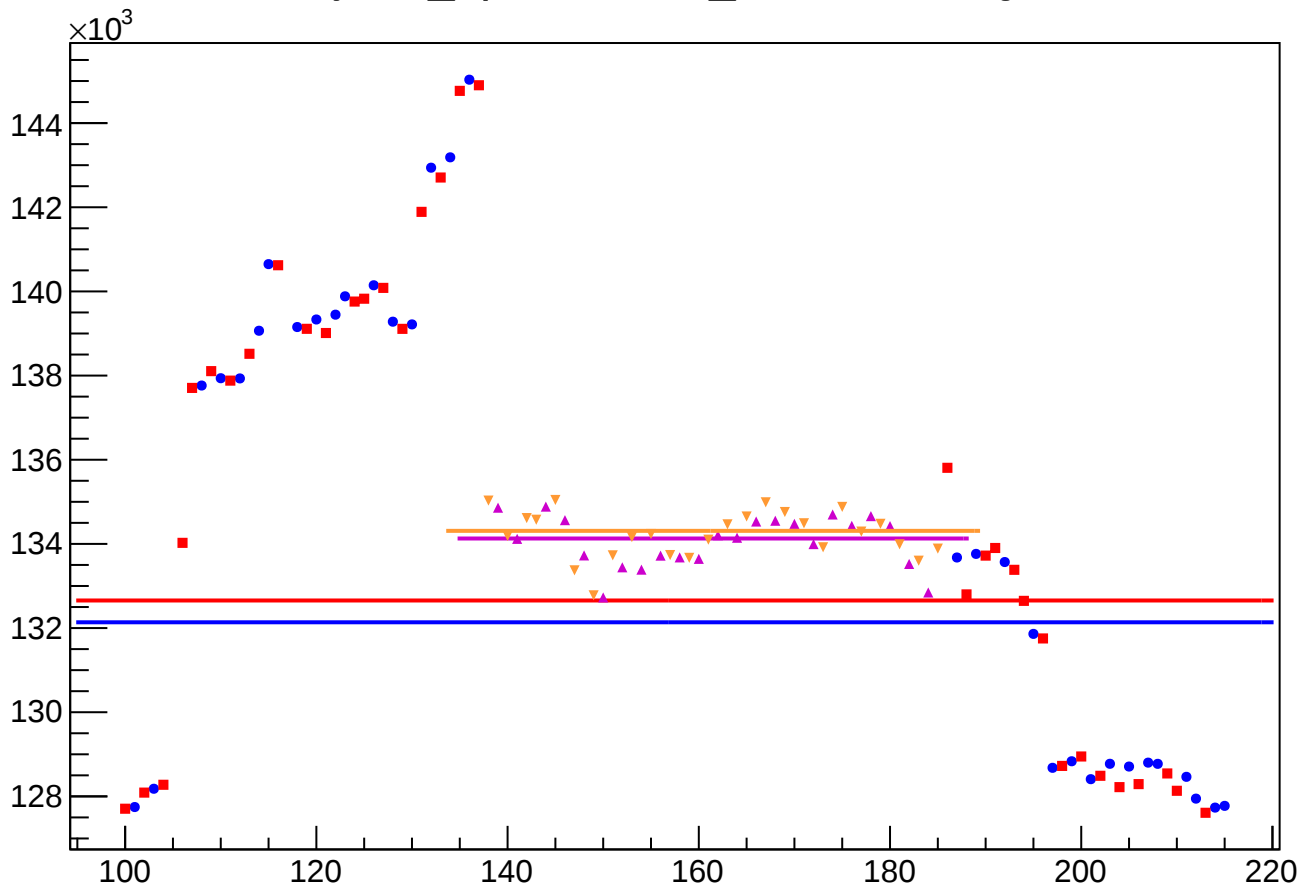
Left In: 268.344+/-0.047 χ^2/NDF : 1077364.0/22

+ sign 260.441+/-0.032 χ^2/NDF : 3914624.9/56

All: 256.147+/-0.022 χ^2/NDF : 8095705.0/113

- sign 251.950+/-0.032 χ^2/NDF : 4145322.1/56

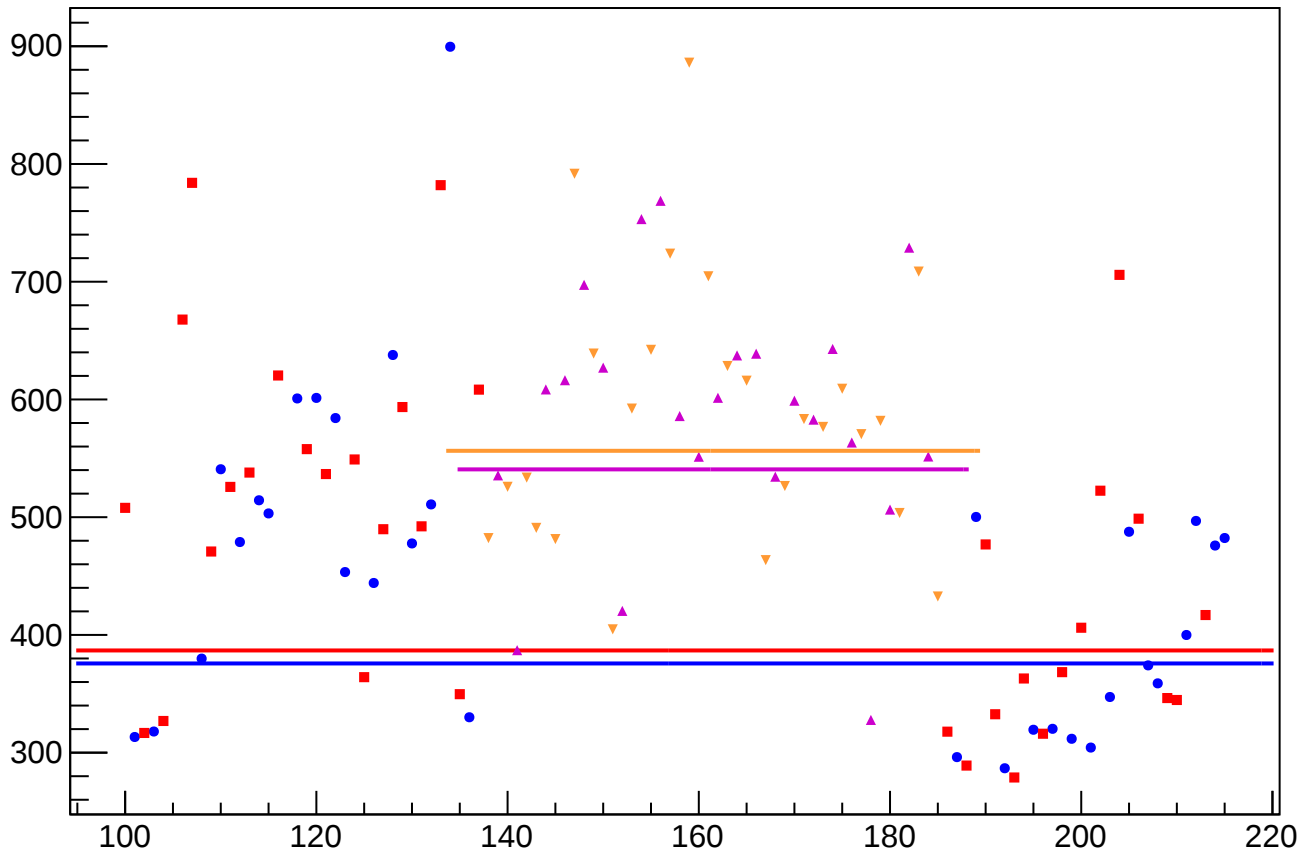
yield_bpm0l03WS_mean vs Slug



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: 132655.367 ± 0.107 $\chi^2/\text{NDF}: 1938858065.9/33$
 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: 133038.800 ± 0.059 $\chi^2/\text{NDF}: 498984530$
 - sign 133187.632 ± 0.085 $\chi^2/\text{NDF}: 2023102033.4$

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: 386.812 ± 0.076 $\chi^2/\text{NDF}: 1940835.4/33$

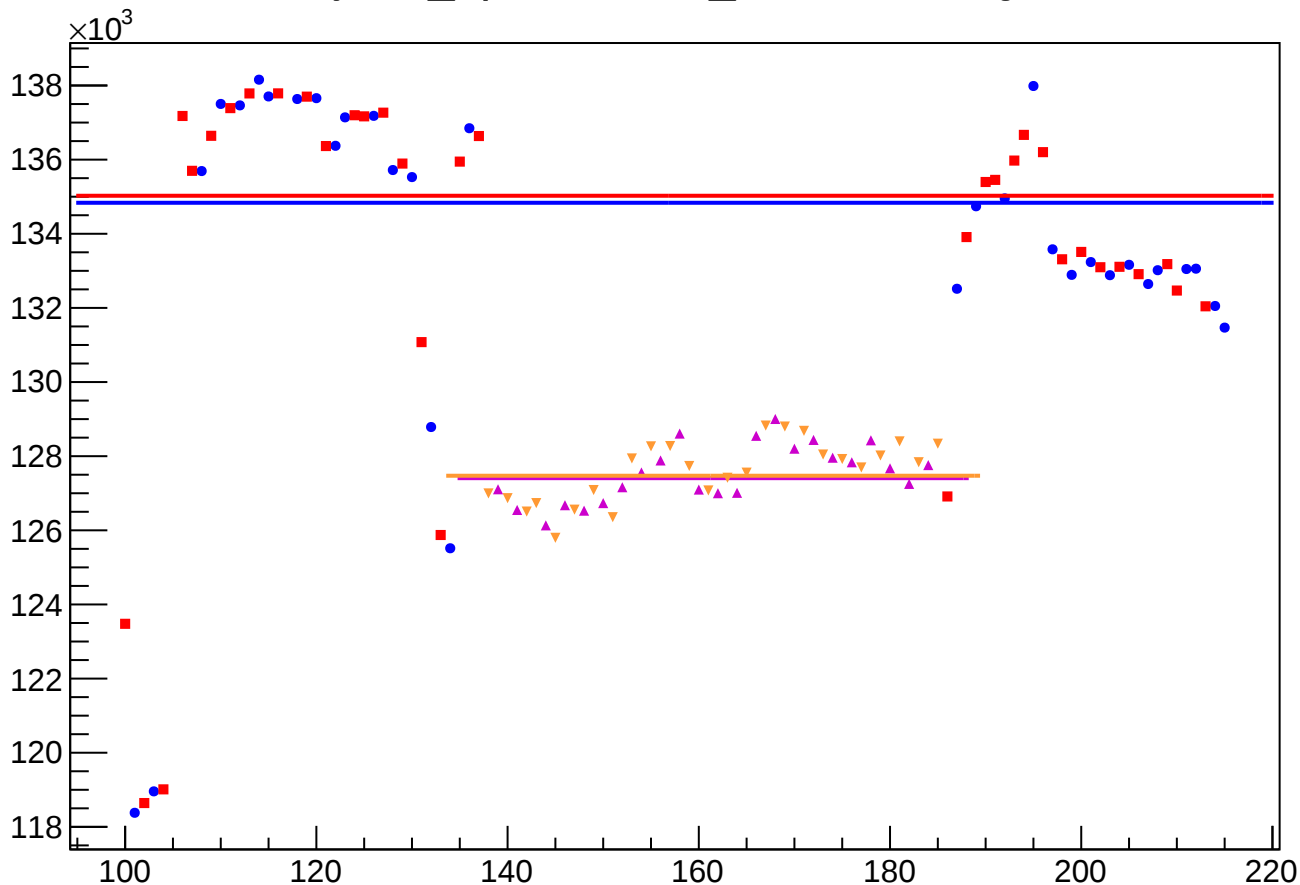
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 439.250 ± 0.058 $\chi^2/\text{NDF}: 4747521.2/56$

All: 440.761 ± 0.042 $\chi^2/\text{NDF}: 9597238.5/113$

- sign 442.393 ± 0.060 $\chi^2/\text{NDF}: 4848309.6/56$

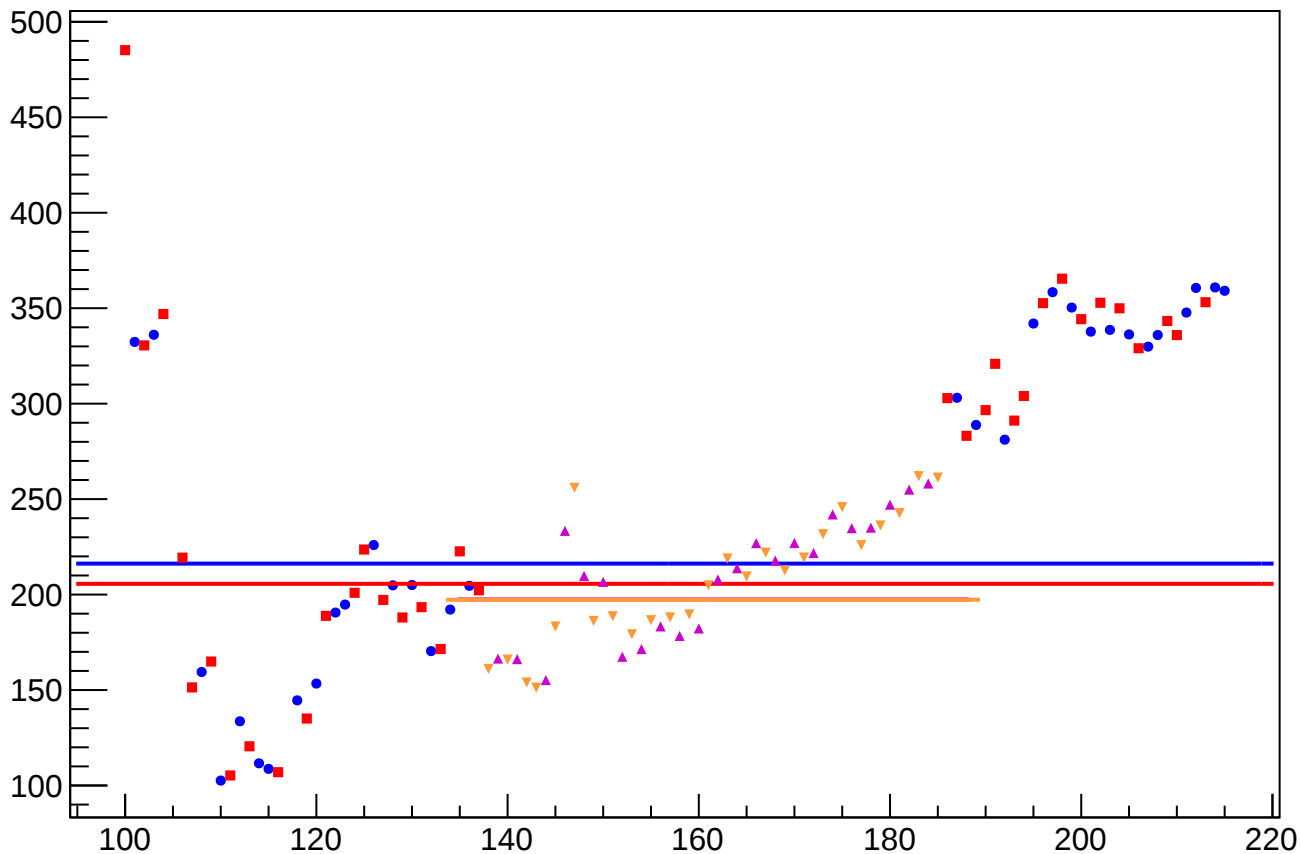
yield_bpm0l04WS_mean vs Slug



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: 135025.730 ± 0.055 $\chi^2/\text{NDF}: 5331757099.7/33$
 Left In: 127406.911 ± 0.048 $\chi^2/\text{NDF}: 269927988.0/22$

+ sign 130447.333 ± 0.036 $\chi^2/\text{NDF}: 15298002761.4/24$
 All: 130601.396 ± 0.026 $\chi^2/\text{NDF}: 318441030.0/24$
 - sign 130755.737 ± 0.036 $\chi^2/\text{NDF}: 16509789941.4/24$

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: 205.632 ± 0.039 $\chi^2/\text{NDF}: 5281832.3/33$

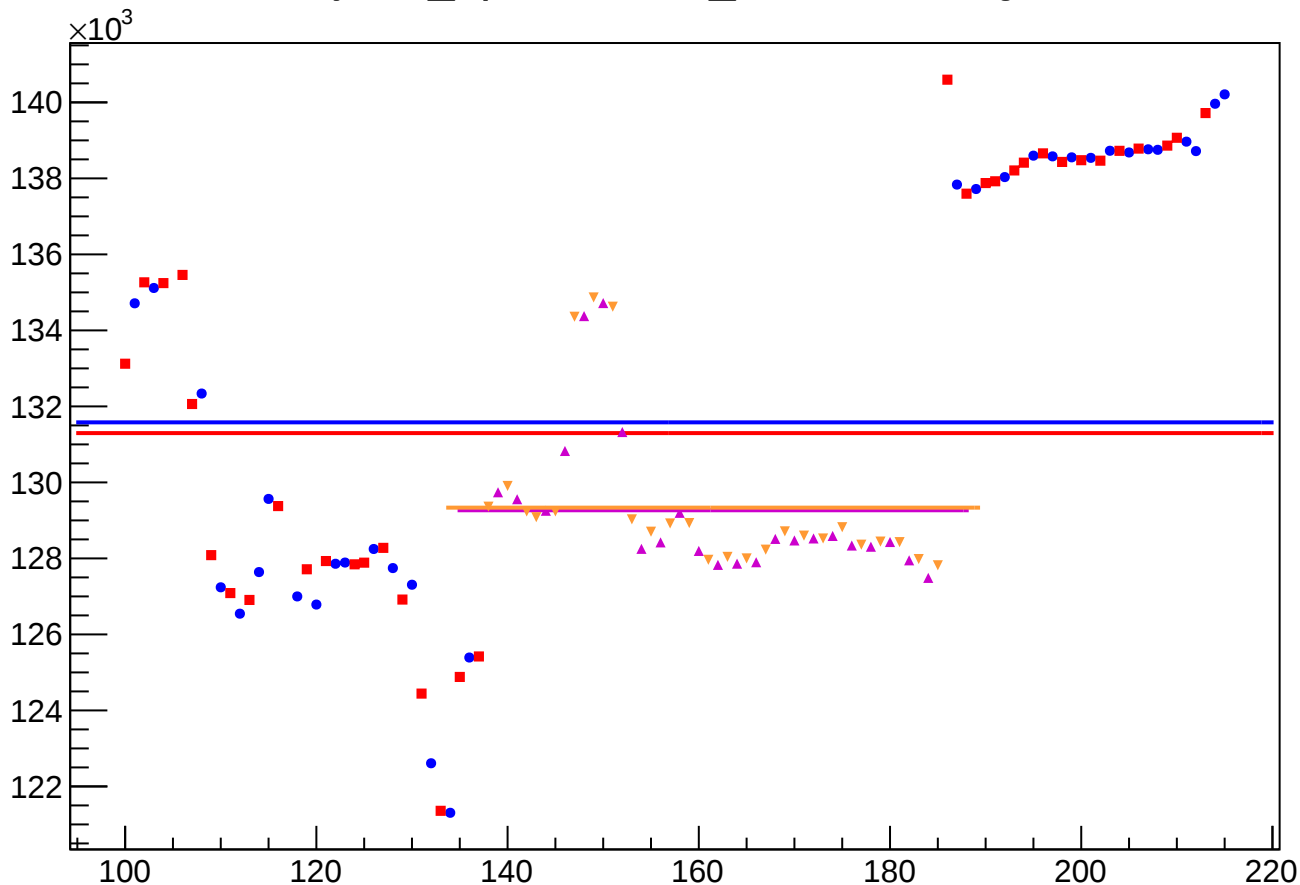
Left In: 197.471 ± 0.034 $\chi^2/\text{NDF}: 791577.5/22$

+ sign 204.937 ± 0.026 $\chi^2/\text{NDF}: 6107652.2/56$

All: 202.999 ± 0.018 $\chi^2/\text{NDF}: 12217577.4/11$

- sign 201.058 ± 0.026 $\chi^2/\text{NDF}: 6098439.3/56$

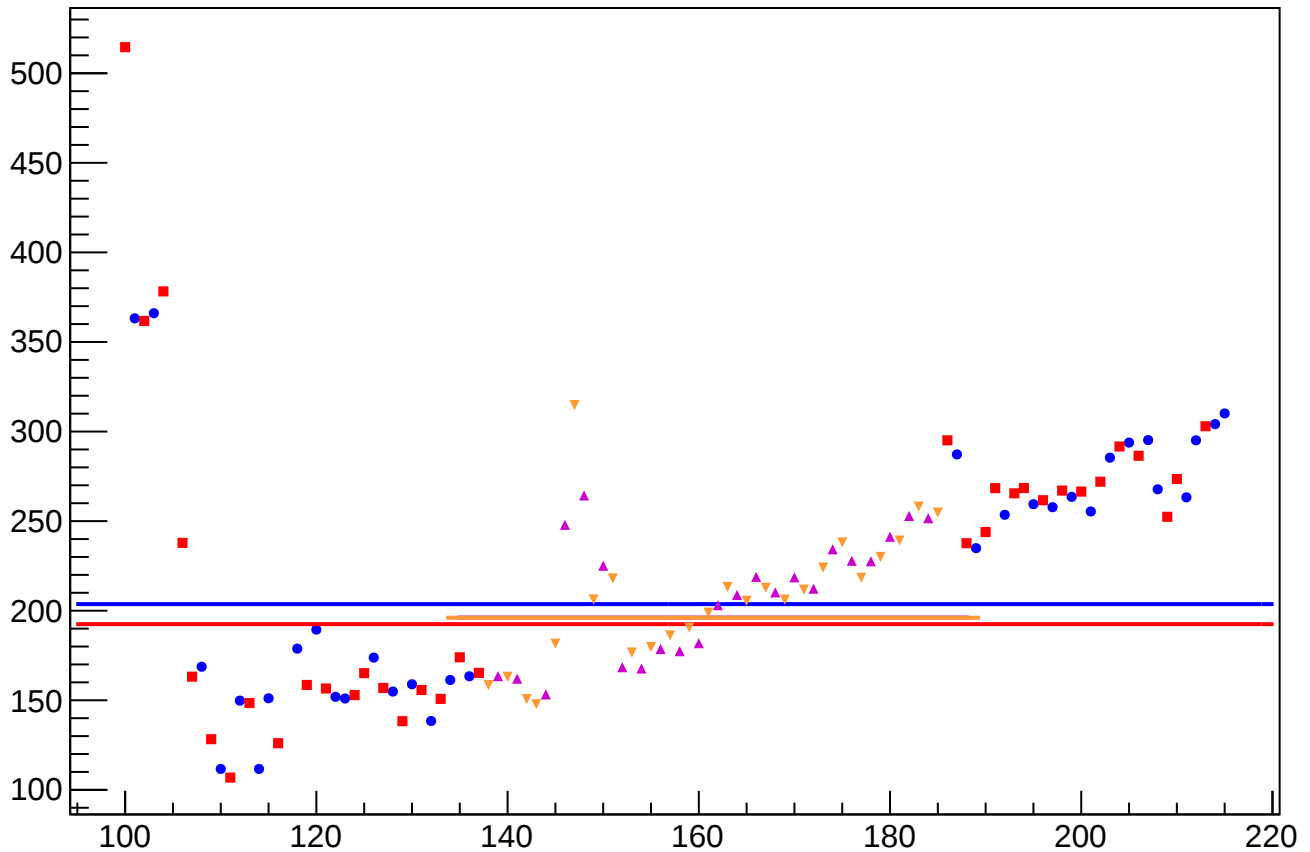
yield_bpm0l05WS_mean vs Slug



Right In: 131580.188 $\pm$ 0.052 χ^2 /NDF: 13576127406.8/31
 Left Out: 129335.946 $\pm$ 0.047 χ^2 /NDF: 1450933621.0/24
 Right Out: 131297.428 $\pm$ 0.050 χ^2 /NDF: 13489160146.0/33
 Left In: 129266.909 $\pm$ 0.048 χ^2 /NDF: 1213762773.1/22

+ sign 130338.178 $\pm$ 0.035 χ^2 /NDF: 16057212416.0/24
 All: 130293.333 $\pm$ 0.025 χ^2 /NDF: 316233272.0/24
 - sign 130248.893 $\pm$ 0.035 χ^2 /NDF: 15562801272.8/24

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

+ sign 199.473+/-0.025 χ^2/NDF : 4238044.7/56

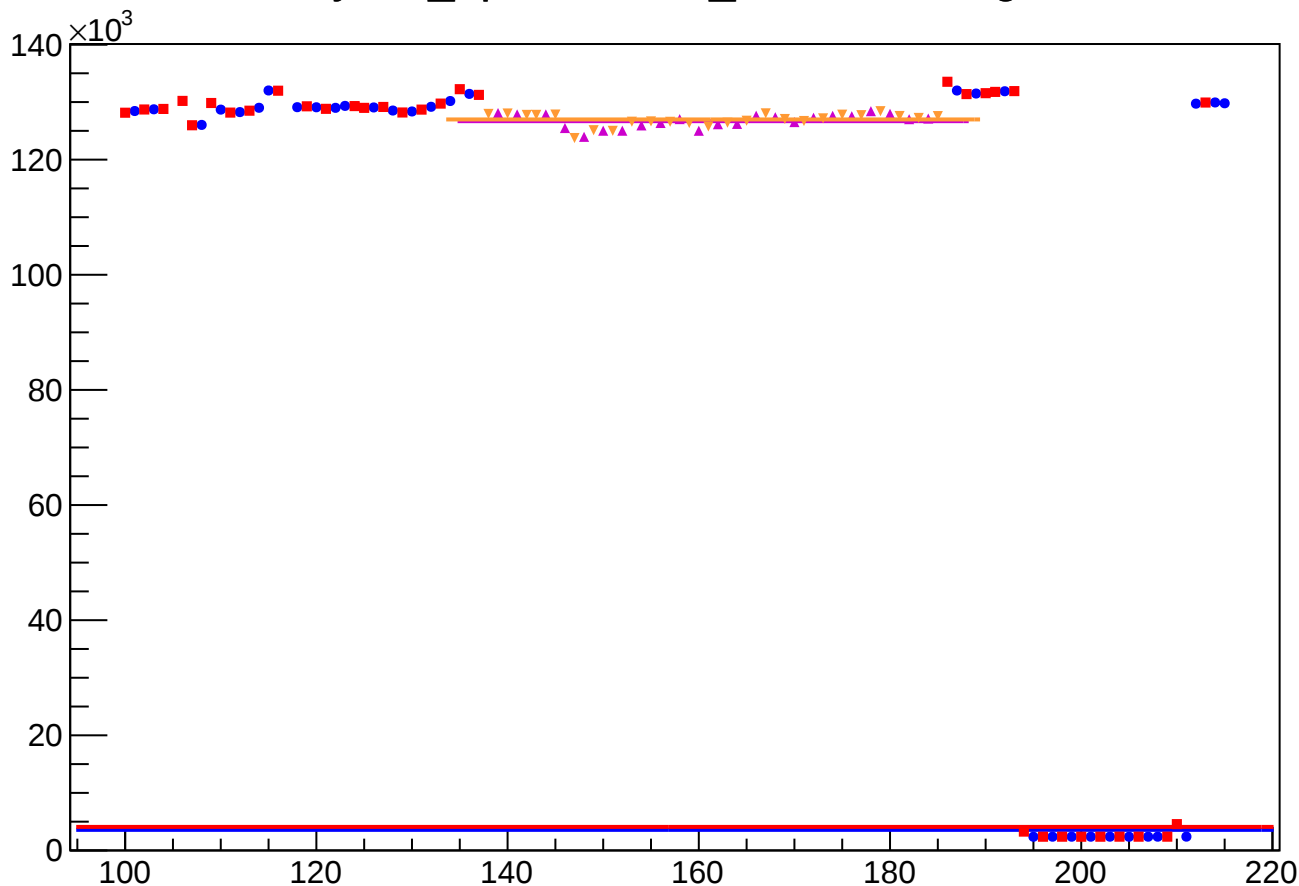
Right Out: 192.490+/-0.035 χ^2/NDF : 3608676.5/33

All: 196.924+/-0.017 χ^2/NDF : 8771885.7/113

- sign 194.398+/-0.024 χ^2/NDF : 4512434.0/56

Left In: 196.186+/-0.034 χ^2/NDF : 898058.0/22

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: 4090.592 $\pm$ 0.006 χ^2 /NDF: 5949609375147.4/33

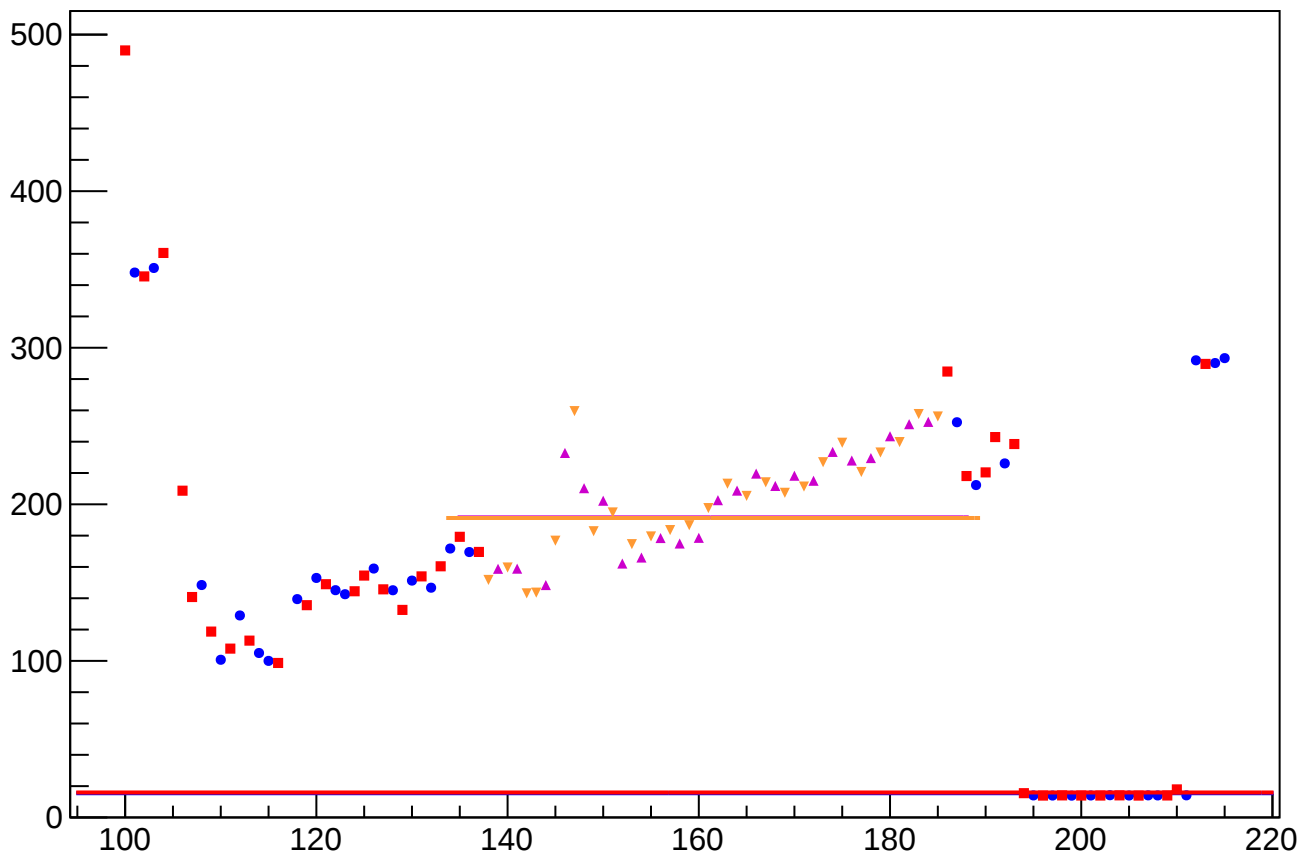
Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22

+ sign 5236.166 $\pm$ 0.005 χ^2 /NDF: 12545233066334

All: 5563.737 $\pm$ 0.004 χ^2 /NDF: 25205775058

- sign 5960.068 $\pm$ 0.006 χ^2 /NDF: 12652022413859

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: 15.959 $\pm$ 0.004 χ^2 /NDF: 16898982.6/33

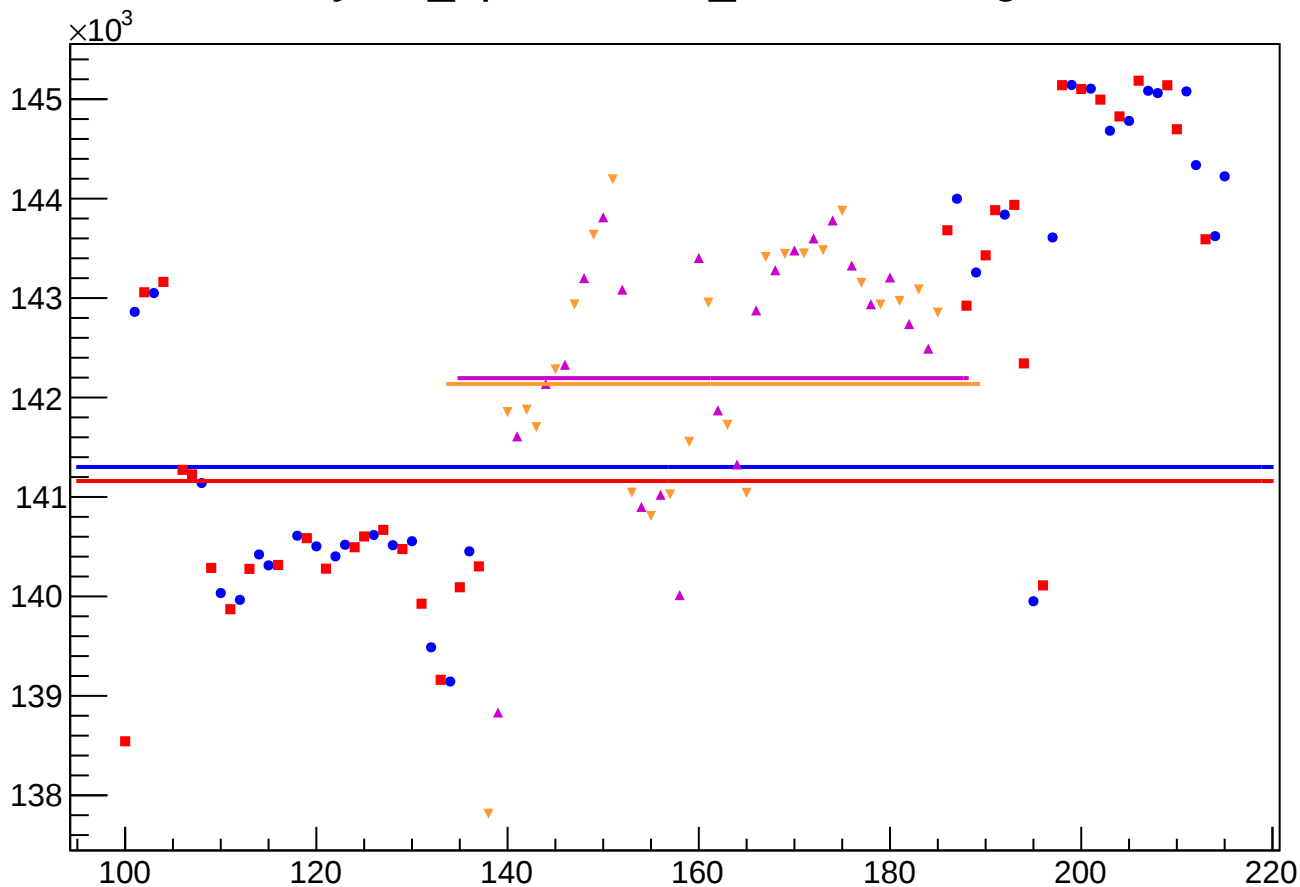
Left In: 191.683 $\pm$ 0.033 χ^2 /NDF: 864384.9/22

+ sign 17.829 $\pm$ 0.004 χ^2 /NDF: 47609364.9/56

All: 18.195 $\pm$ 0.003 χ^2 /NDF: 92933536.1/113

- sign 18.638 $\pm$ 0.004 χ^2 /NDF: 45302870.8/56

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: 141160.341 ± 0.052 $\chi^2/\text{NDF}: 989282746.9/33$

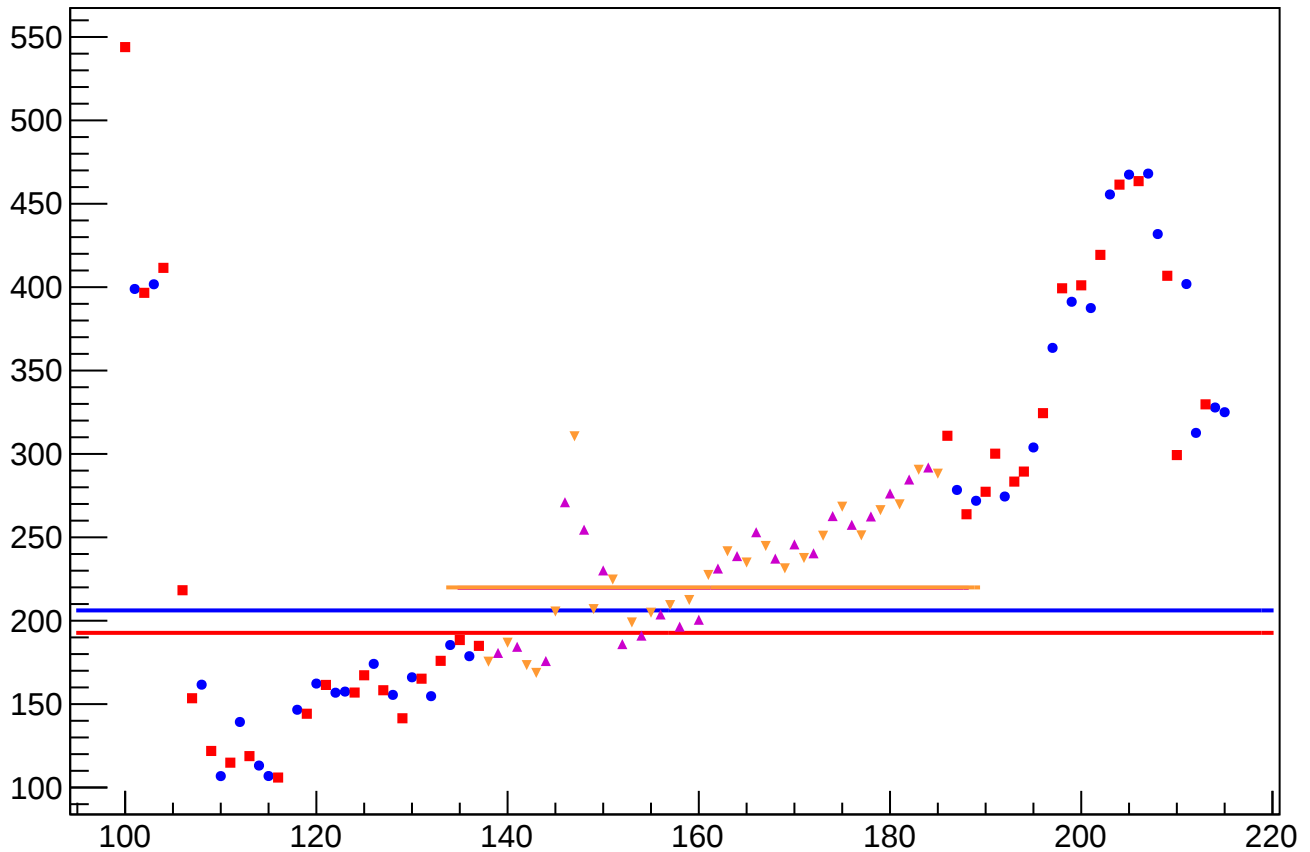
Left In: 142195.020 ± 0.054 $\chi^2/\text{NDF}: 644030906.9/22$

+ sign 141742.781 ± 0.038 $\chi^2/\text{NDF}: 1950577833.2/31$

All: 141701.158 ± 0.027 $\chi^2/\text{NDF}: 377677978.9/100$

- sign 141660.790 ± 0.037 $\chi^2/\text{NDF}: 1823843182.9/100$

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: 192.723+/-0.037 χ^2/NDF : 6442104.1/33

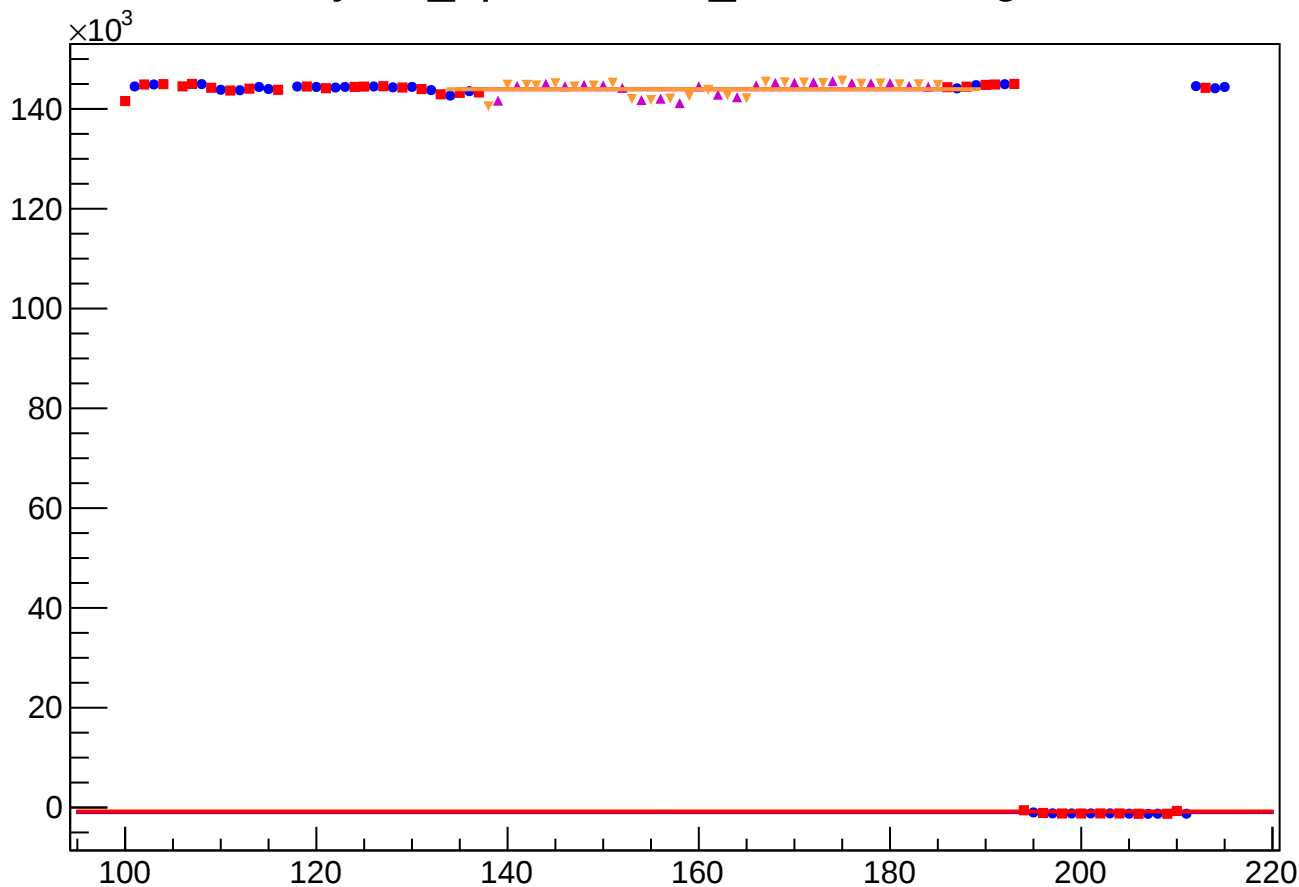
Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

+ sign 213.465+/-0.027 χ^2/NDF : 7350275.5/56

All: 209.555+/-0.019 χ^2/NDF : 14905491.9/11

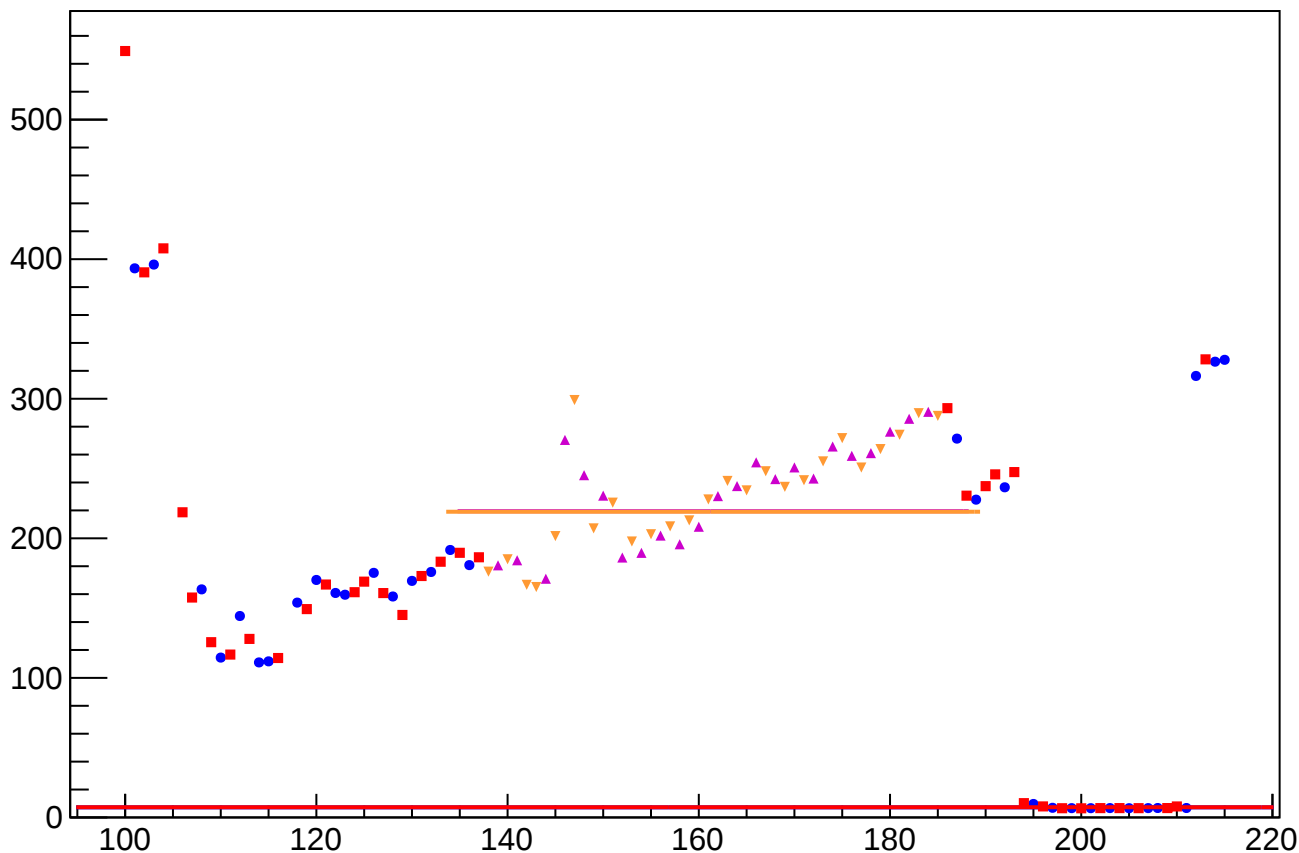
- sign 205.764+/-0.026 χ^2/NDF : 7513598.2/56

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: -800.010 ± 0.003 χ^2/NDF : 6545442711476.7/33
 Left In: 143938.288 ± 0.054 χ^2/NDF : 719814685.6/22
 All: -474.479 ± 0.002 χ^2/NDF : 27193294462
 + sign -550.397 ± 0.003 χ^2/NDF : 13439461942137
 - sign -382.975 ± 0.003 χ^2/NDF : 13751998379235

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: 7.321 ± 0.002 χ^2/NDF : 18867640.7/33

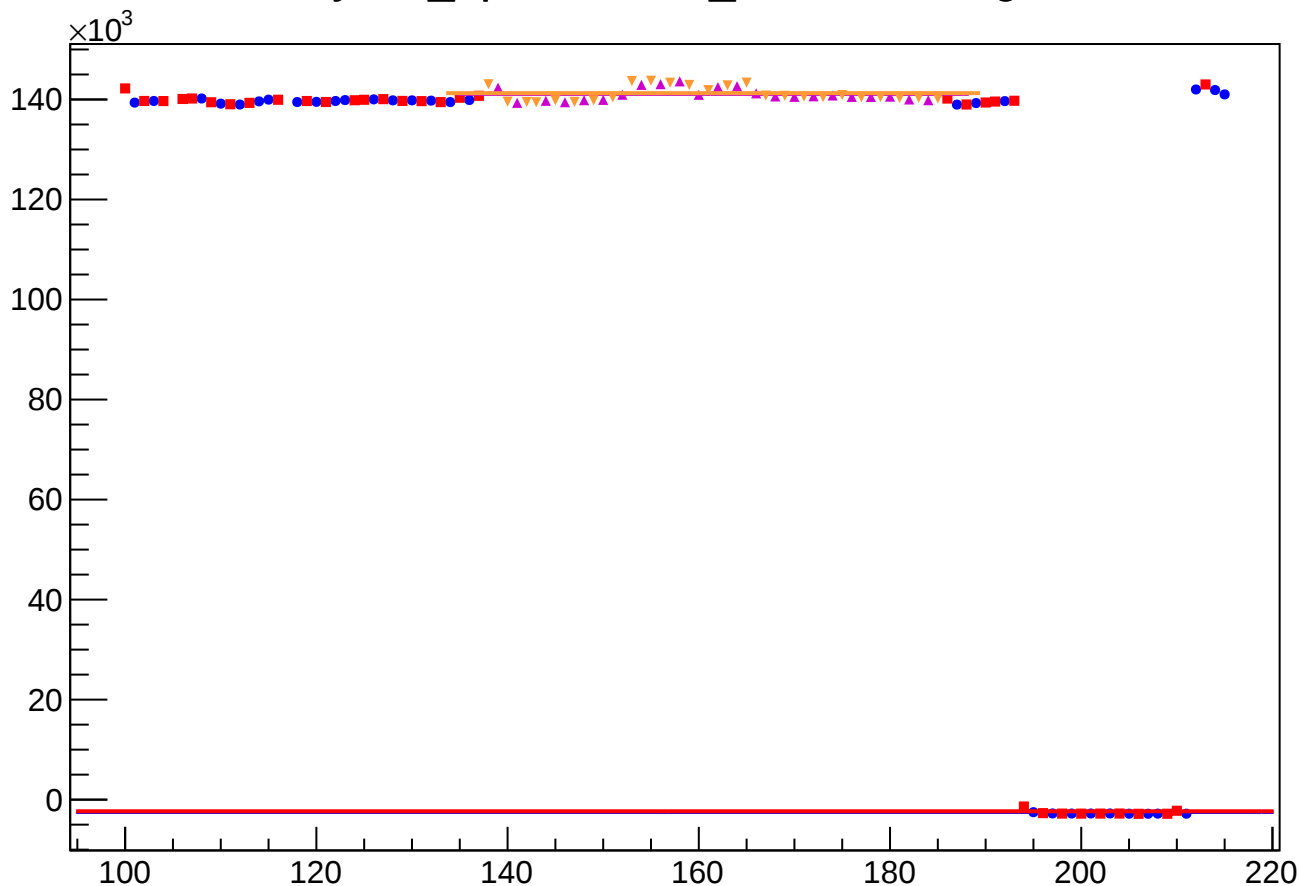
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 7.777 ± 0.002 χ^2/NDF : 52934086.2/56

All: 7.847 ± 0.001 χ^2/NDF : 103604118.6/113

- sign 7.932 ± 0.002 χ^2/NDF : 50666909.0/56

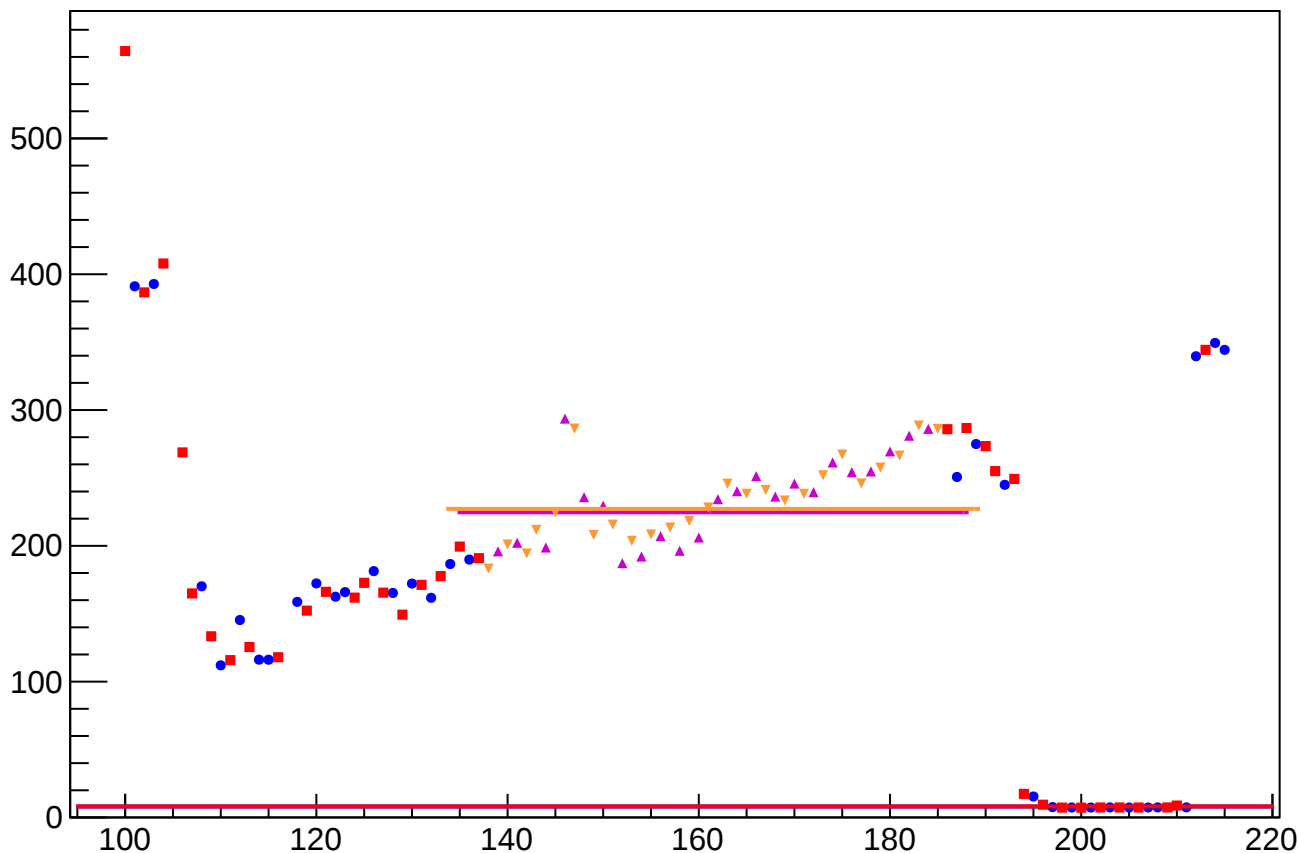
yield_bpm0l09WS_mean vs Slug



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: -2327.246 ± 0.003 $\chi^2/\text{NDF}: 5921513755819.4/33$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$

+ sign -2026.581 ± 0.003 $\chi^2/\text{NDF}: 1238870681577$
 All: -1937.336 ± 0.002 $\chi^2/\text{NDF}: 2511252730$
 - sign -1829.723 ± 0.003 $\chi^2/\text{NDF}: 12721795077192$

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: 8.144 ± 0.002 χ^2/NDF : 18904667.9/33

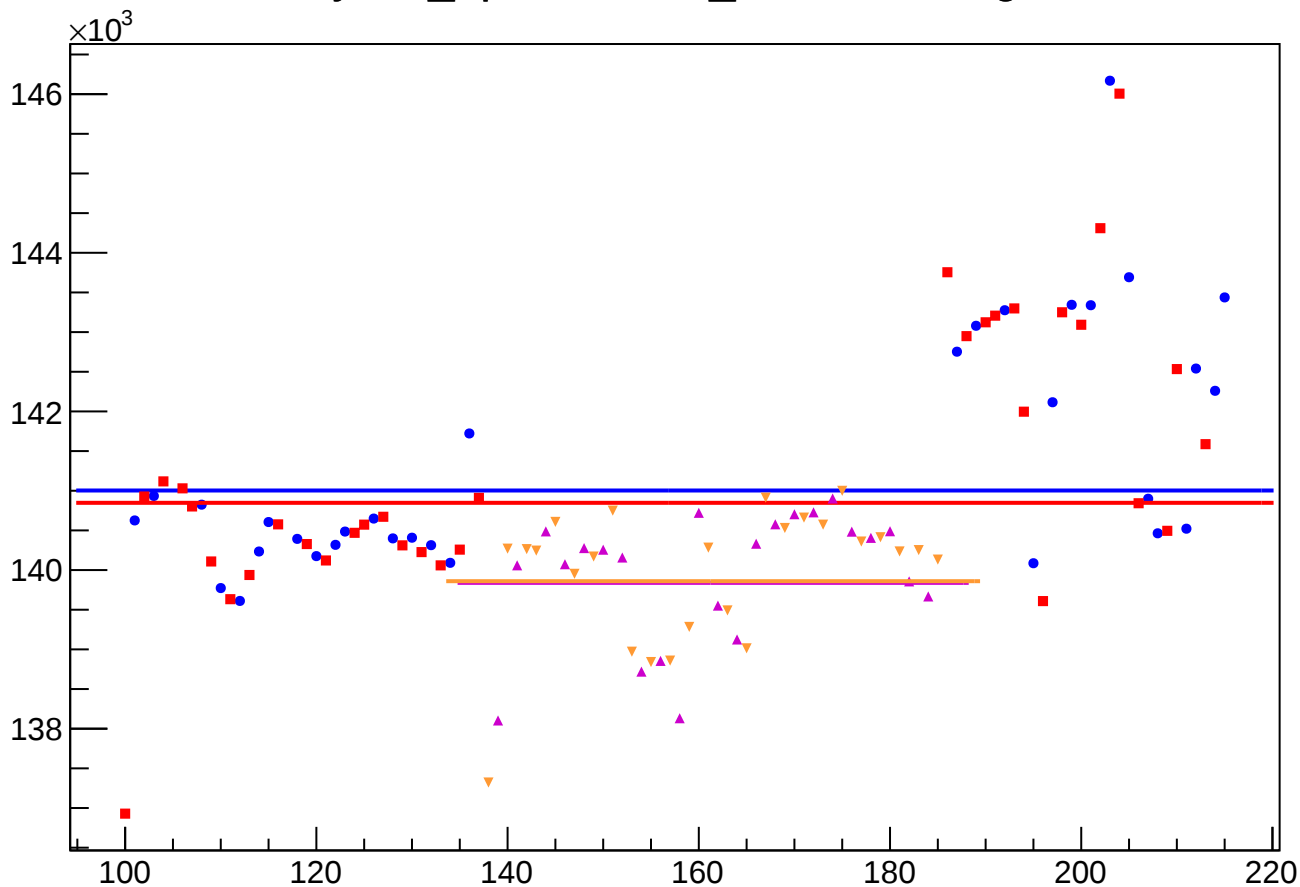
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 8.694 ± 0.002 χ^2/NDF : 52915252.3/56

All: 8.785 ± 0.002 χ^2/NDF : 103392693.4/113

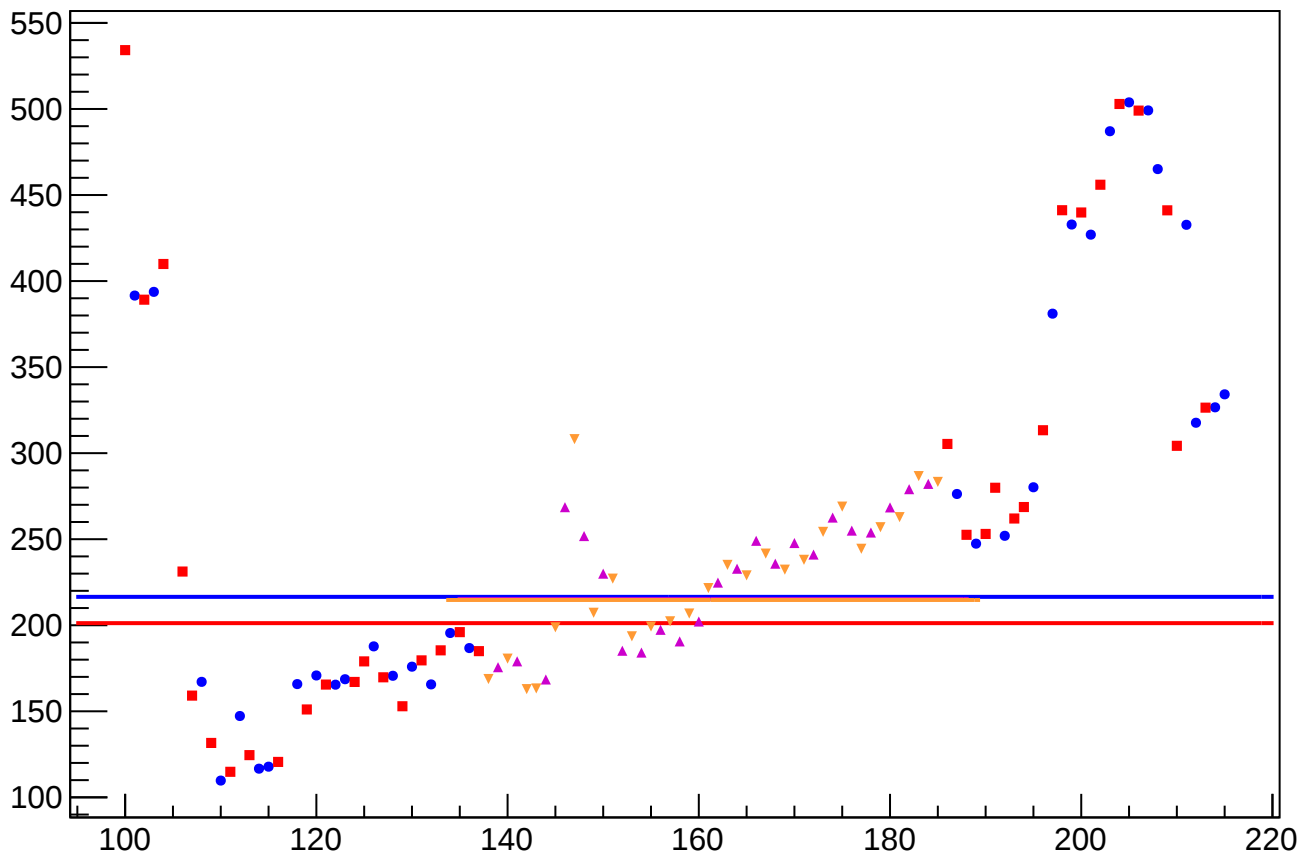
- sign 8.895 ± 0.002 χ^2/NDF : 50473189.1/56

yield_bpm0l10WS_mean vs Slug



Right In: 141003.084 ± 0.058 χ^2/NDF : 497751982.8/31
 Left Out: 139859.696 ± 0.051 χ^2/NDF : 330118281.5/24
 Right Out: 140847.722 ± 0.054 χ^2/NDF : 529662694.7/33
 Left In: 139838.724 ± 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: 201.224 $\pm$ 0.038 χ^2 /NDF: 6043330.1/33

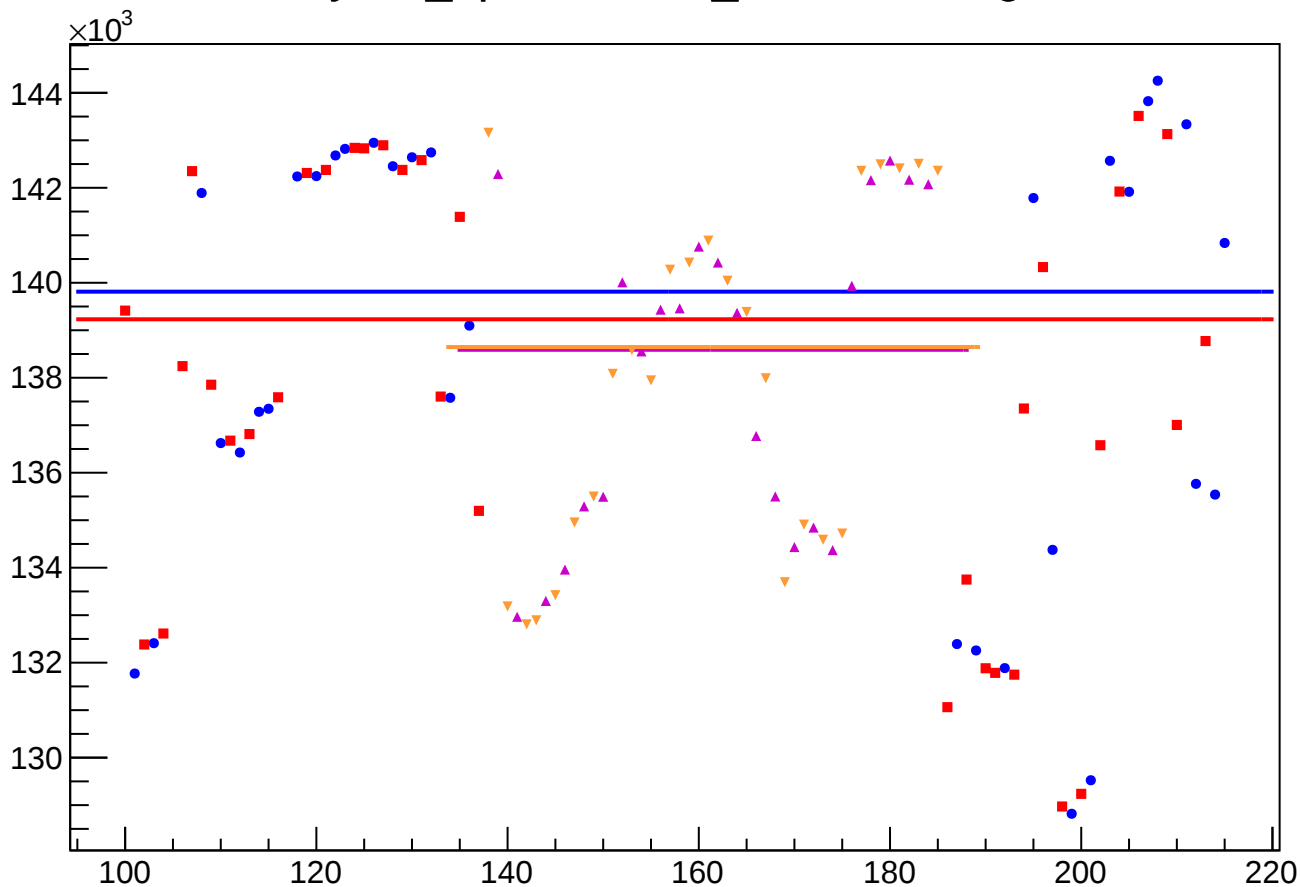
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 215.485 $\pm$ 0.027 χ^2 /NDF: 7080210.1/56

All: 211.889 $\pm$ 0.019 χ^2 /NDF: 14108780.8/1

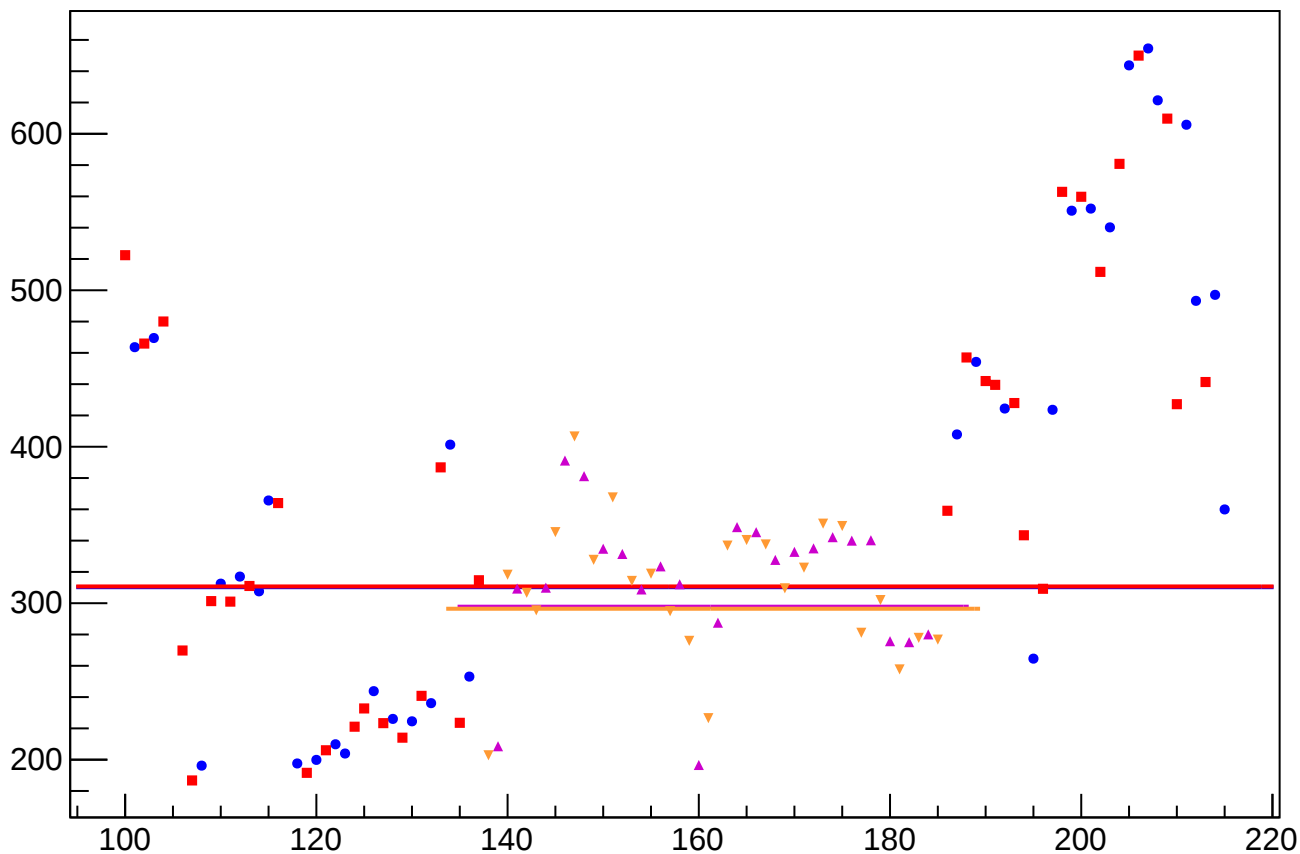
- sign 208.394 $\pm$ 0.027 χ^2 /NDF: 6993848.0/56

yield_bpm0r03WS_mean vs Slug



Right In: 139812.768 $\pm$ 0.082	χ^2 /NDF: 2392743172.9/31	+ sign 139146.488 $\pm$ 0.054	χ^2 /NDF: 5057590045.8
Left Out: 138646.366 $\pm$ 0.071	χ^2 /NDF: 2548637600.4/24	All: 139014.703 $\pm$ 0.038	χ^2 /NDF: 948836945
Right Out: 139230.972 $\pm$ 0.082	χ^2 /NDF: 2436174988.8/33	- sign 138877.424 $\pm$ 0.055	χ^2 /NDF: 4418413450.7
Left In: 138588.711 $\pm$ 0.074	χ^2 /NDF: 1948065195.1/22		

yield_bpm0r03WS_rms vs Slug



Right In: 310.235+/-0.058 χ^2/NDF : 4967540.4/31

Left Out: 296.464+/-0.050 χ^2/NDF : 893579.7/24

Right Out: 310.714+/-0.058 χ^2/NDF : 4389447.8/33

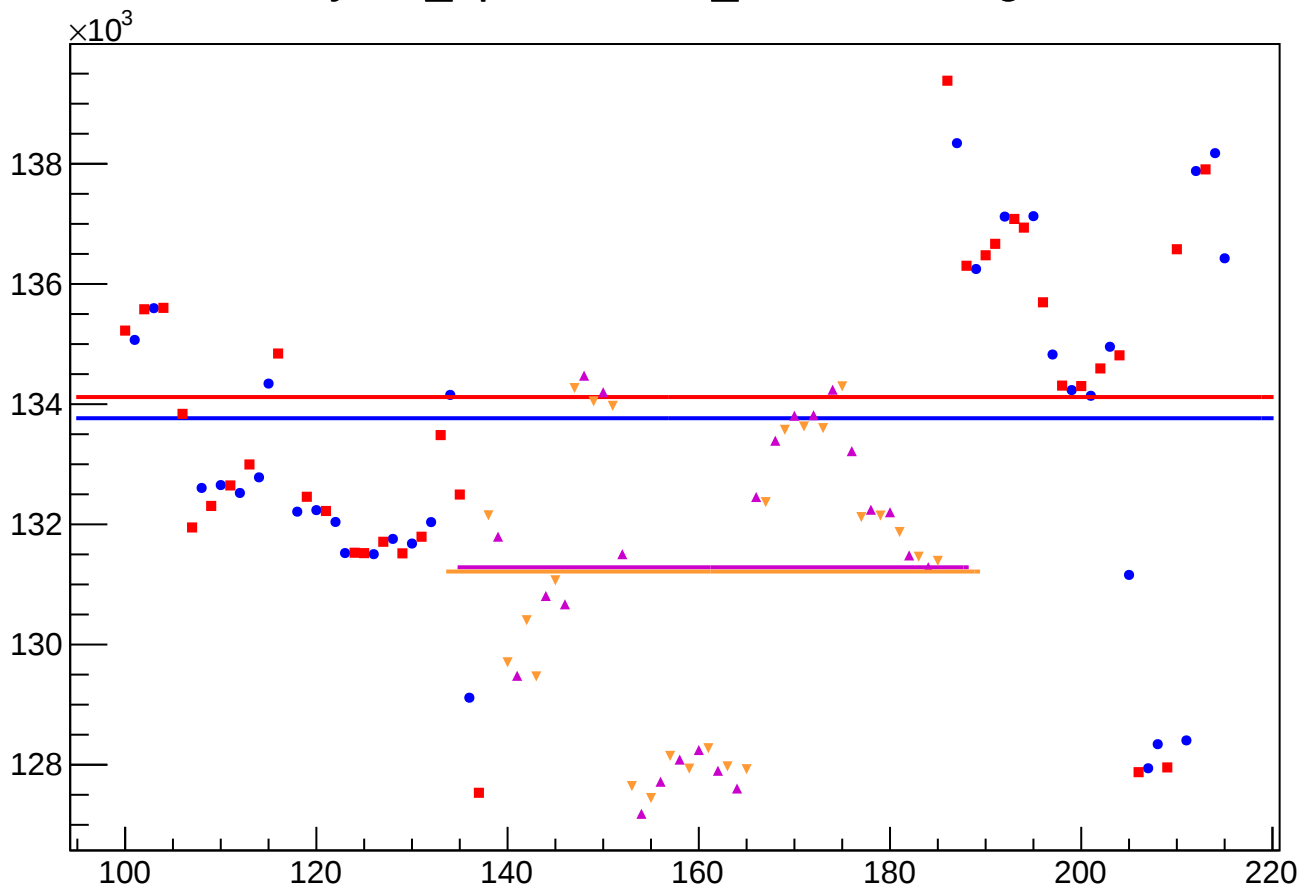
Left In: 297.774+/-0.052 χ^2/NDF : 1061489.5/22

+ sign 302.369+/-0.038 χ^2/NDF : 5893516.4/56

All: 302.968+/-0.027 χ^2/NDF : 11372706.3/11

- sign 303.591+/-0.039 χ^2/NDF : 5478679.8/56

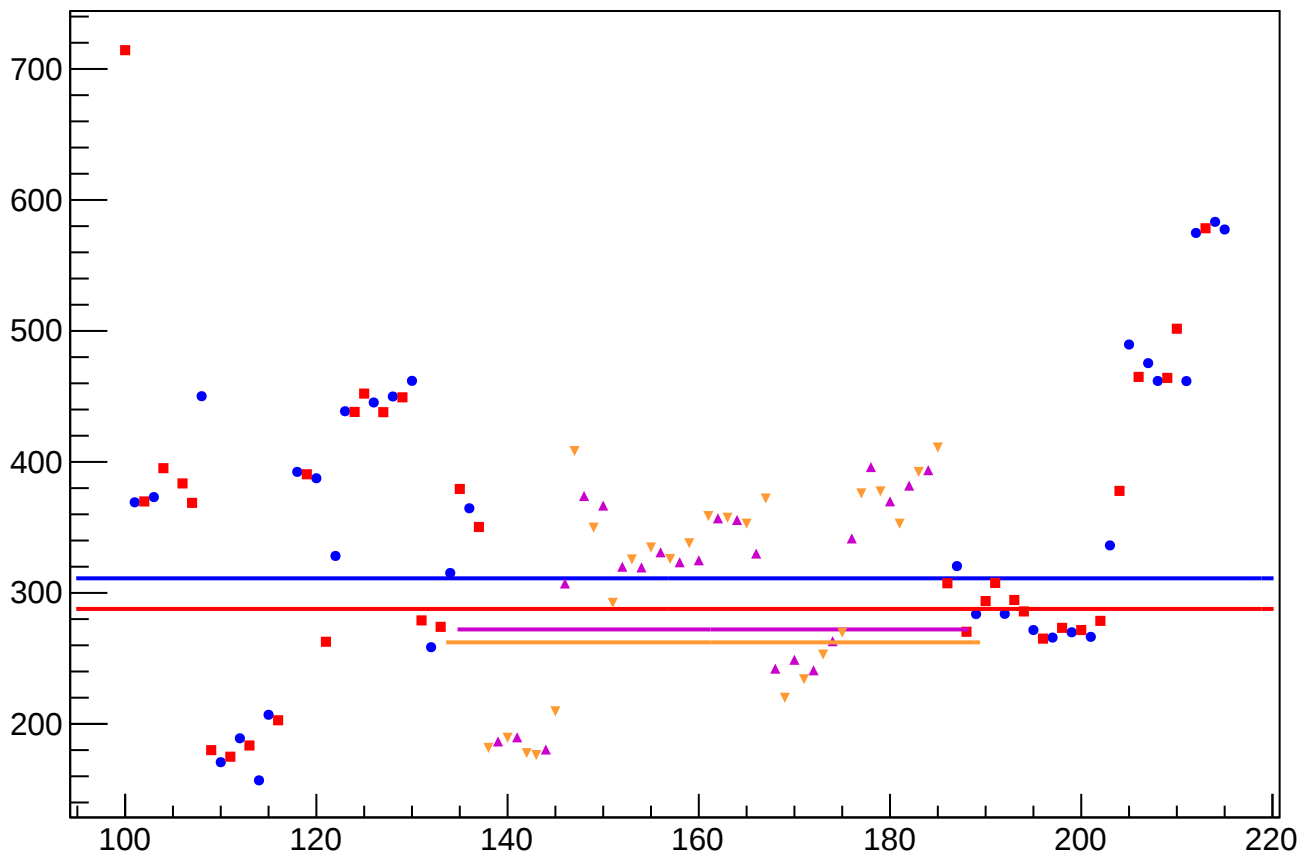
yield_bpm0r05WS_mean vs Slug



Right In: 133766.284 ± 0.079 $\chi^2/\text{NDF}: 1033776162.3/31$
 Left Out: 131214.985 ± 0.064 $\chi^2/\text{NDF}: 1173424494.6/24$
 Right Out: 134118.493 ± 0.074 $\chi^2/\text{NDF}: 1025121149.8/33$
 Left In: 131285.623 ± 0.068 $\chi^2/\text{NDF}: 1056232192.1/22$

+ sign 132226.356 ± 0.050 $\chi^2/\text{NDF}: 2830985899.2/24$
 - sign 132598.657 ± 0.050 $\chi^2/\text{NDF}: 2877904211.0/24$
 All: 132412.189 ± 0.035 $\chi^2/\text{NDF}: 573660023.1/24$

yield_bpm0r05WS_rms vs Slug



Right In: 311.140 ± 0.056 $\chi^2/\text{NDF}: 3418751.2/31$

Left Out: 262.260 ± 0.045 $\chi^2/\text{NDF}: 2818169.1/24$

Right Out: 287.772 ± 0.052 $\chi^2/\text{NDF}: 2941402.7/33$

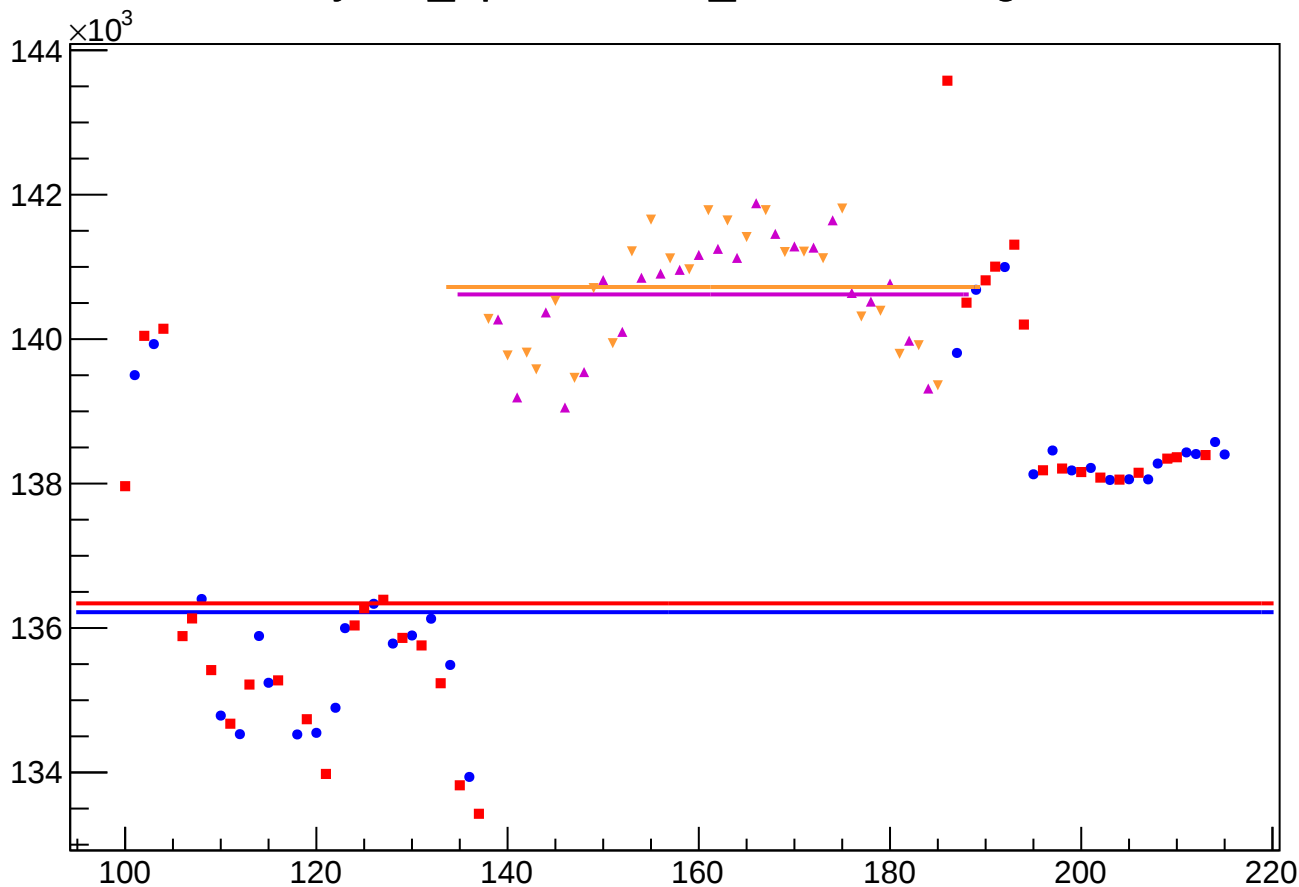
Left In: 272.115 ± 0.048 $\chi^2/\text{NDF}: 2221925.0/22$

+ sign 281.637 ± 0.035 $\chi^2/\text{NDF}: 6694865.6/56$

All: 280.506 ± 0.025 $\chi^2/\text{NDF}: 11908910.4/119$

- sign 279.372 ± 0.035 $\chi^2/\text{NDF}: 5211994.2/56$

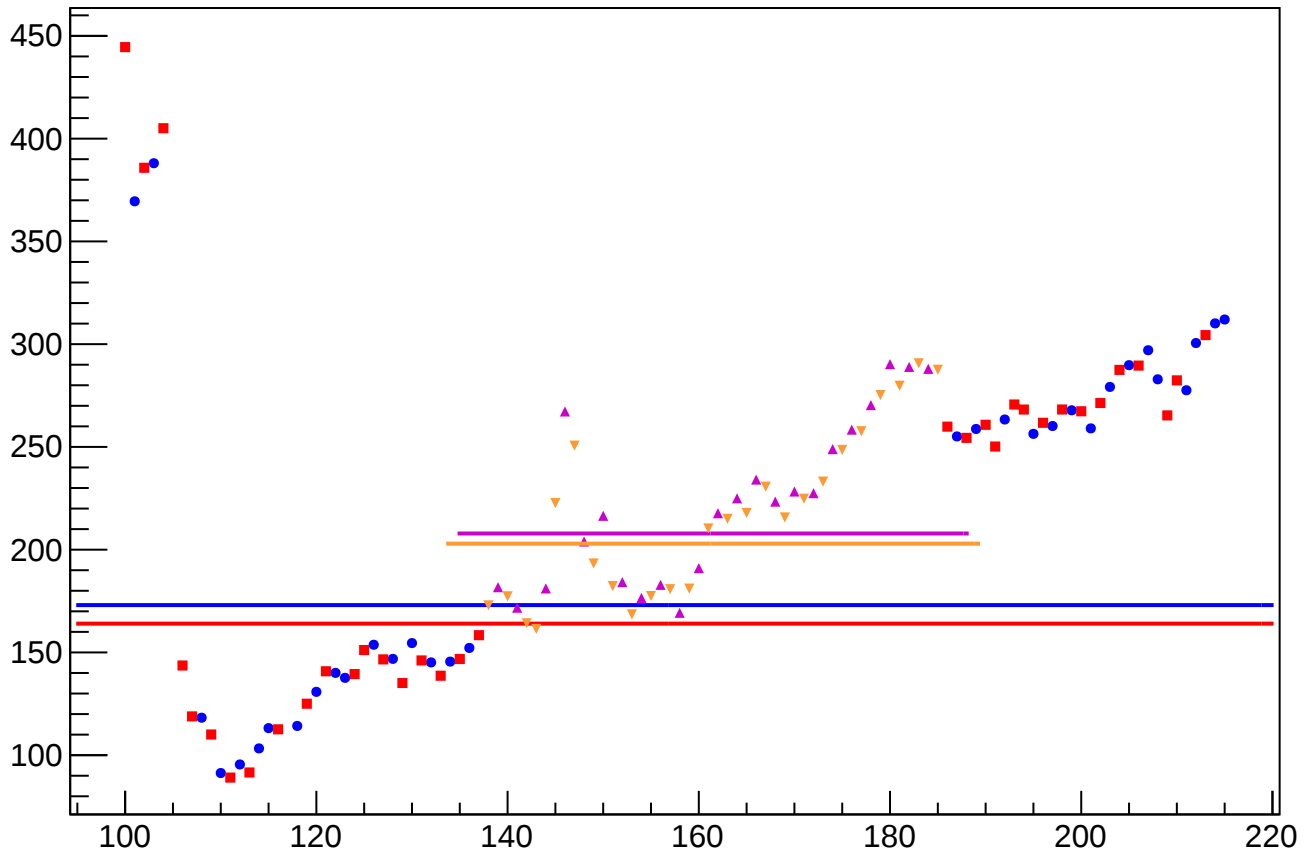
yield_bpm0i02WS_mean vs Slug



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: 136341.334 ± 0.044 $\chi^2/\text{NDF}: 2210961878.6/33$
 Left In: 140619.038 ± 0.051 $\chi^2/\text{NDF}: 200370178.0/22$

+ sign 138347.855 ± 0.033 $\chi^2/\text{NDF}: 6474031166.0/31$
 All: 138252.840 ± 0.024 $\chi^2/\text{NDF}: 129359963.0/31$
 - sign 138157.790 ± 0.033 $\chi^2/\text{NDF}: 6445662851.6/31$

yield_bpm0i02WS_rms vs Slug



Right In: 173.030 $\pm$ 0.032 χ^2 /NDF: 5667780.4/31

Left Out: 202.934 $\pm$ 0.034 χ^2 /NDF:1052283.6/24

Right Out: 164.011 $\pm$ 0.031 χ^2 /NDF: 5756018.6/33

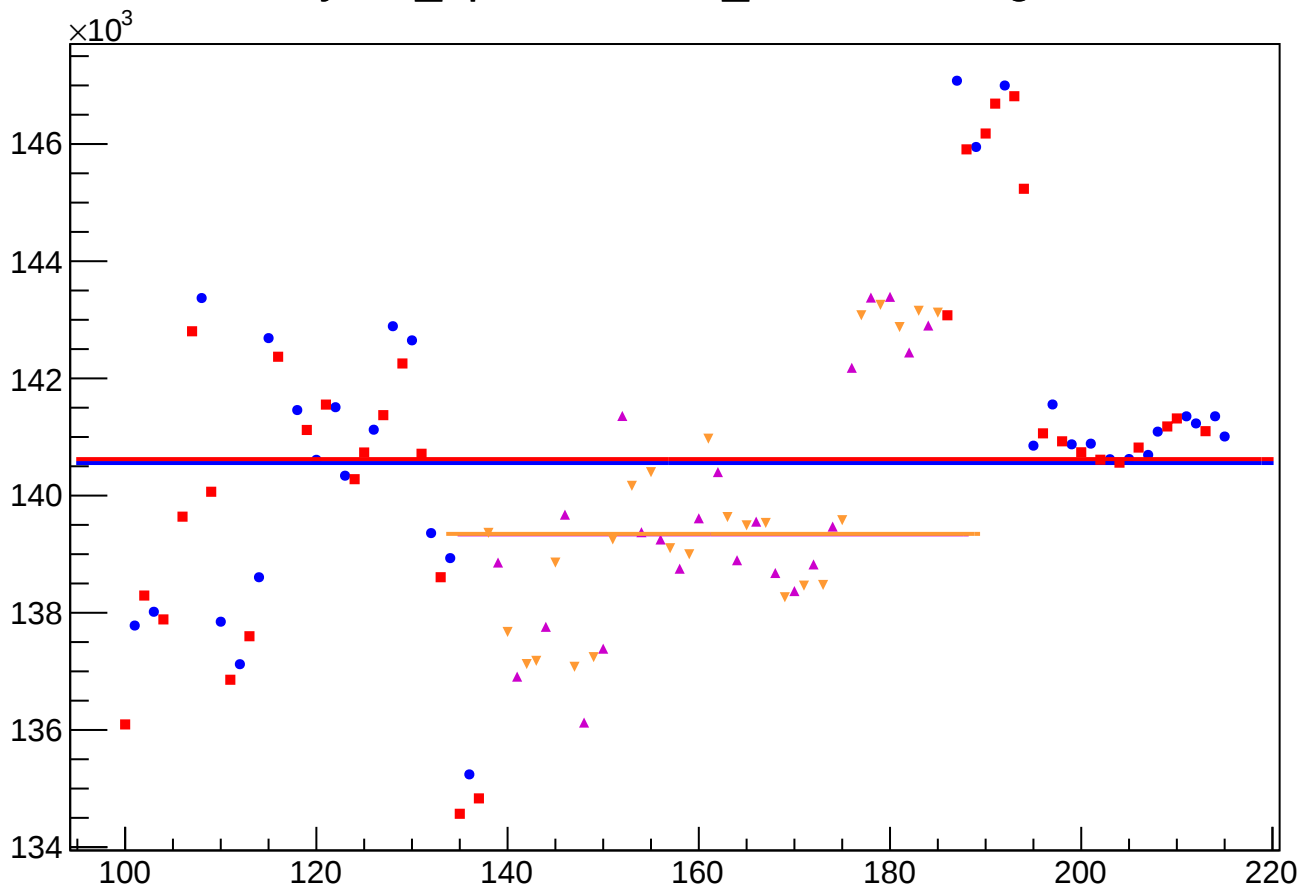
Left In: 207.872 $\pm$ 0.036 χ^2 /NDF:949200.3/22

+ sign 187.167 $\pm$ 0.024 χ^2 /NDF: 7122503.4/56

All: 184.902 $\pm$ 0.017 χ^2 /NDF: 14694508.6/1

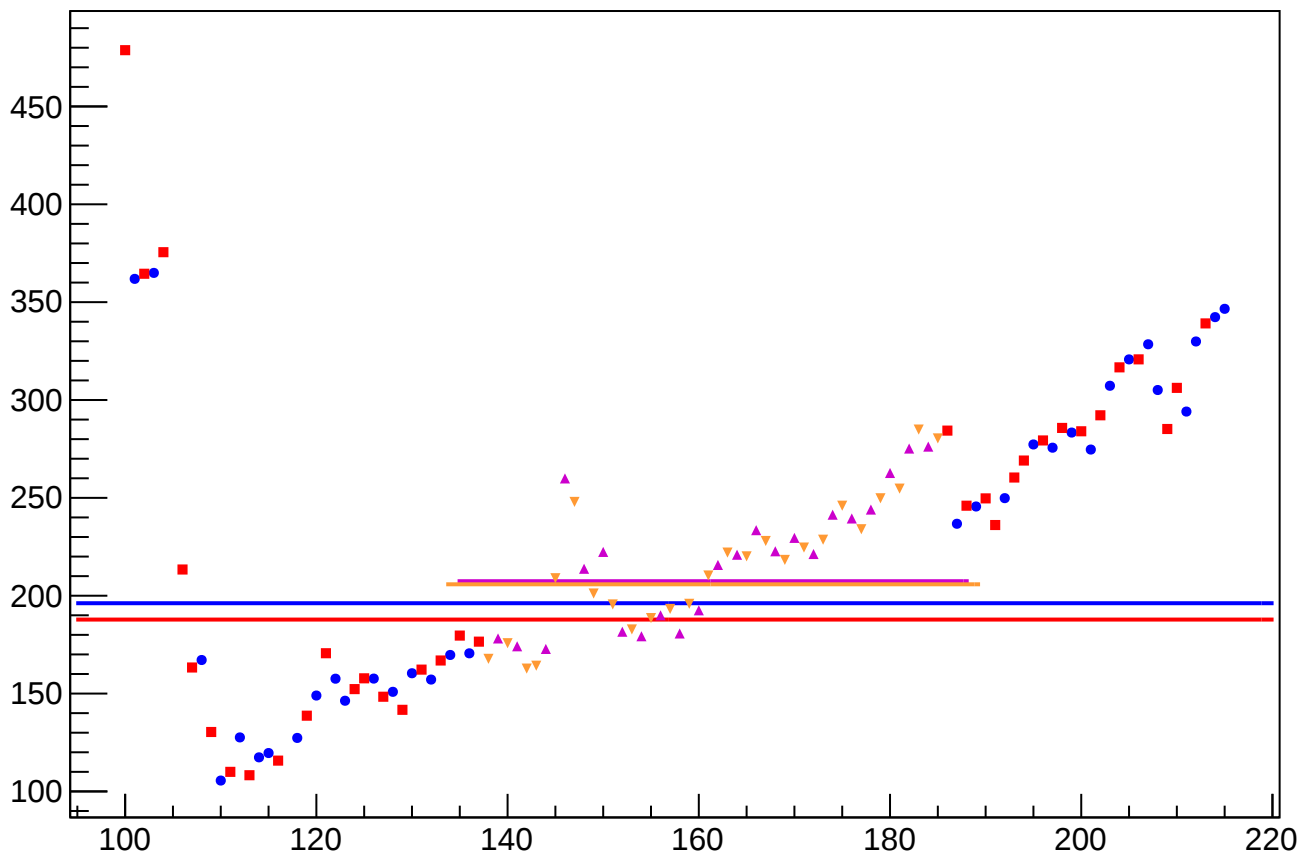
- sign 182.636 $\pm$ 0.024 χ^2 /NDF: 7553474.8/56

yield_bpm0i02aWS_mean vs Slug



Right In: 140555.658 $\pm$ 0.051 χ^2 /NDF: 2788503152.7/31
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140622.672 $\pm$ 0.049 χ^2 /NDF: 3219879473.1/33
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 + sign 139925.764 $\pm$ 0.035 χ^2 /NDF: 4351735099.7
 All: 139963.264 $\pm$ 0.025 χ^2 /NDF: 919642277
 - sign 140000.820 $\pm$ 0.035 χ^2 /NDF: 4842434392.4

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: 187.813+/-0.035 χ^2/NDF : 4581822.6/33

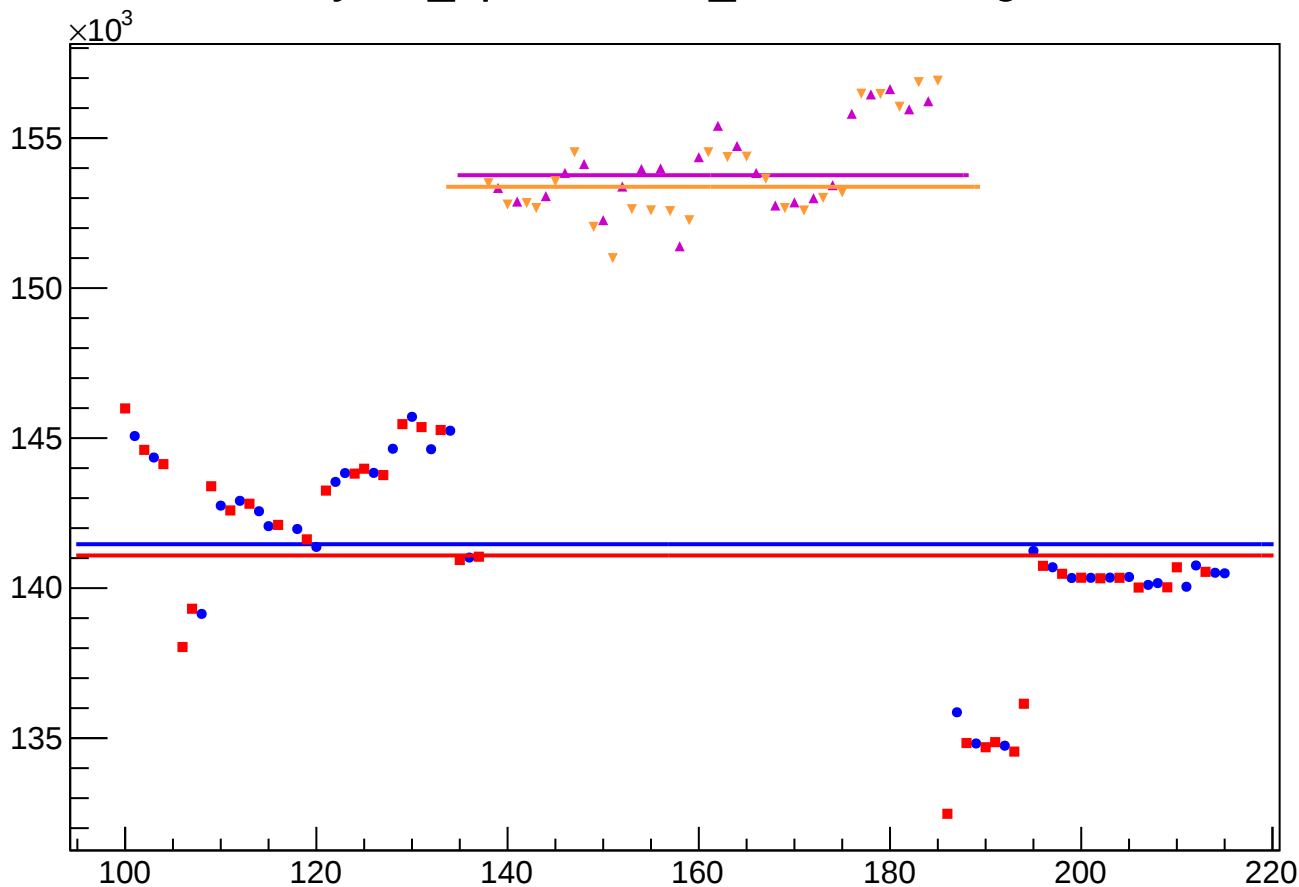
Left In: 207.416+/-0.036 χ^2/NDF : 701955.3/22

+ sign 201.203+/-0.025 χ^2/NDF : 5385882.4/56

All: 199.253+/-0.018 χ^2/NDF : 10835277.8/11

- sign 197.301+/-0.025 χ^2/NDF : 5437216.6/56

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: 141089.196 $\pm$ 0.048 χ^2 /NDF: 4446543845.8/33

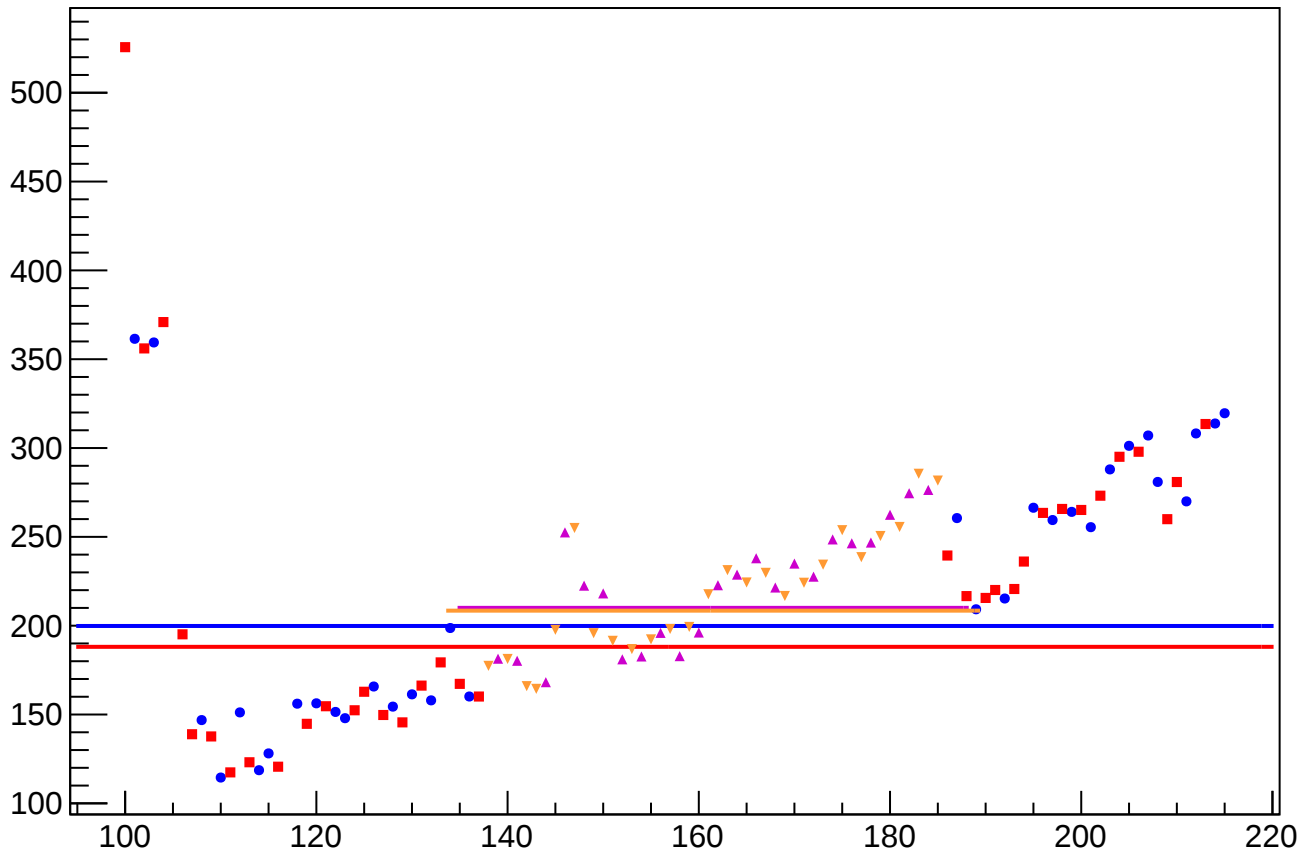
Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

+ sign 147594.827 $\pm$ 0.036 χ^2 /NDF: 31624120138.

All: 147311.715 $\pm$ 0.025 χ^2 /NDF: 690516530

- sign 147033.415 $\pm$ 0.035 χ^2 /NDF: 37301676537.2

yield_bpm0i05WS_rms vs Slug



Right In: 199.840+/-0.036 χ^2/NDF : 3393590.6/31

Left Out: 208.466+/-0.035 χ^2/NDF : 720894.7/24

Right Out: 188.099+/-0.034 χ^2/NDF : 3376559.8/33

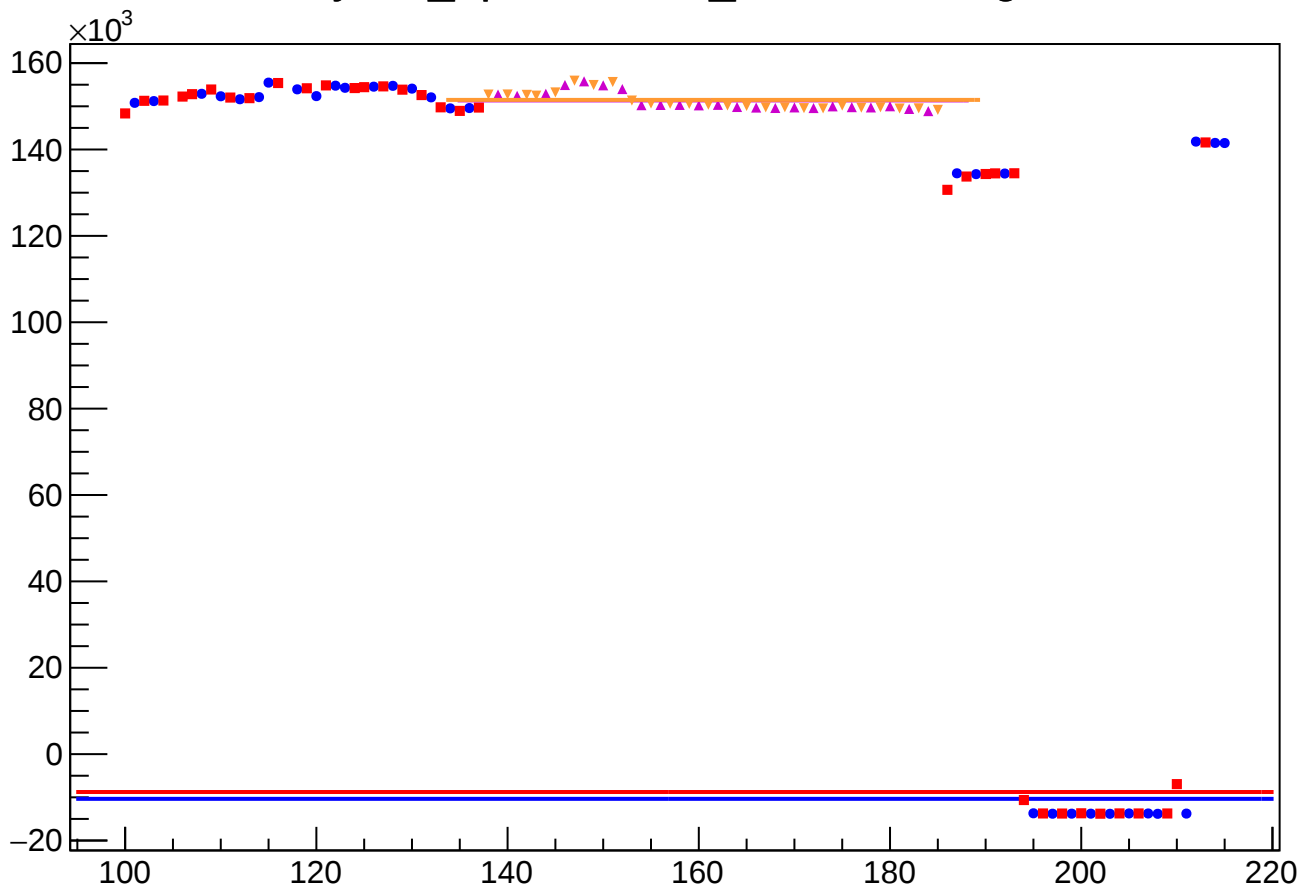
Left In: 210.038+/-0.036 χ^2/NDF : 702369.5/22

+ sign 204.279+/-0.025 χ^2/NDF : 4143919.5/56

All: 201.309+/-0.018 χ^2/NDF : 8443662.9/113

- sign 198.389+/-0.025 χ^2/NDF : 4272036.3/56

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: -8768.053 ± 0.010

χ^2/NDF : 7342348480079.0/33

Left In: 151363.165 ± 0.051

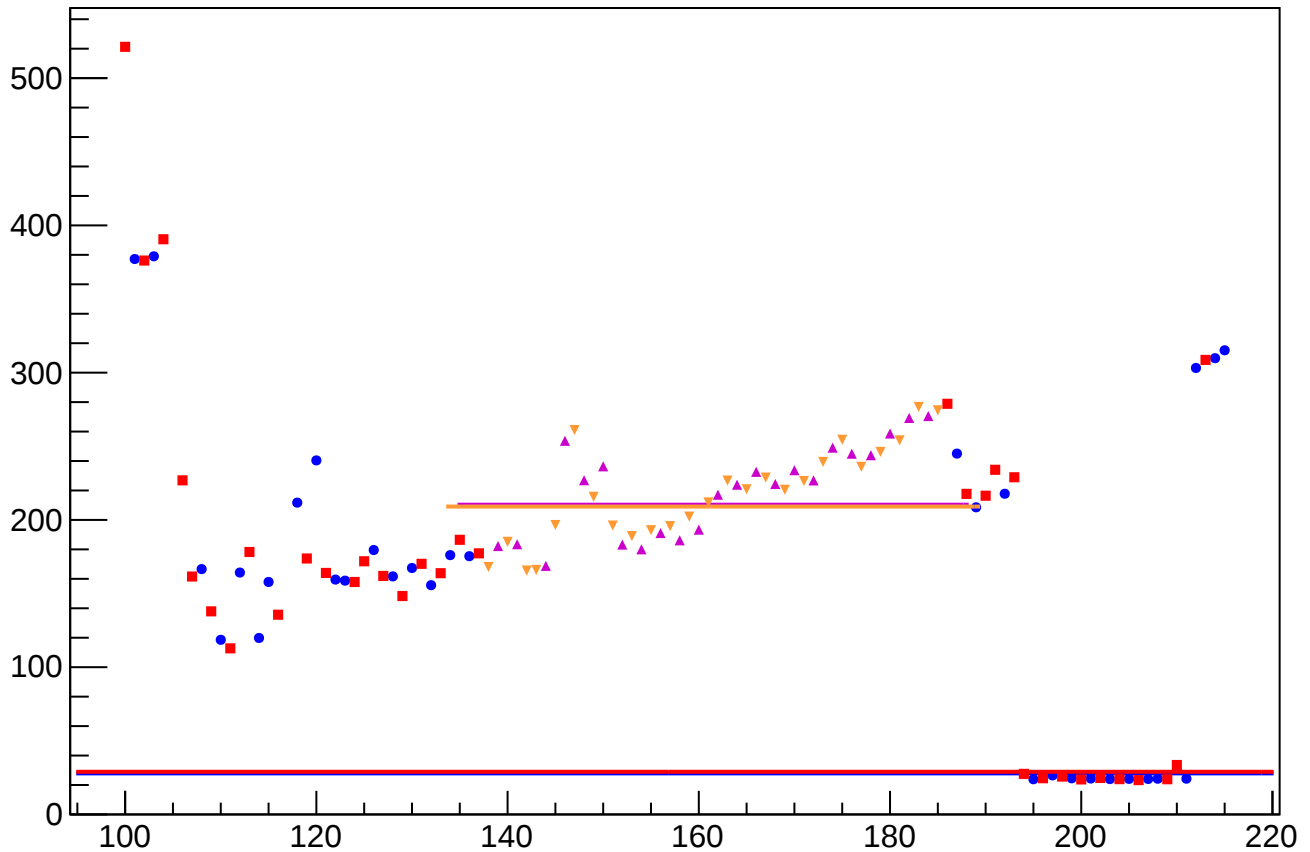
χ^2/NDF : 1421662089.0/22

+ sign -4934.608 ± 0.009 χ^2/NDF : 1674770495500

All: -3989.131 ± 0.007 χ^2/NDF : 3346296076

- sign -2867.888 ± 0.010 χ^2/NDF : 16691451833525

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: 28.978 ± 0.007 χ^2/NDF : 14752203.8/33

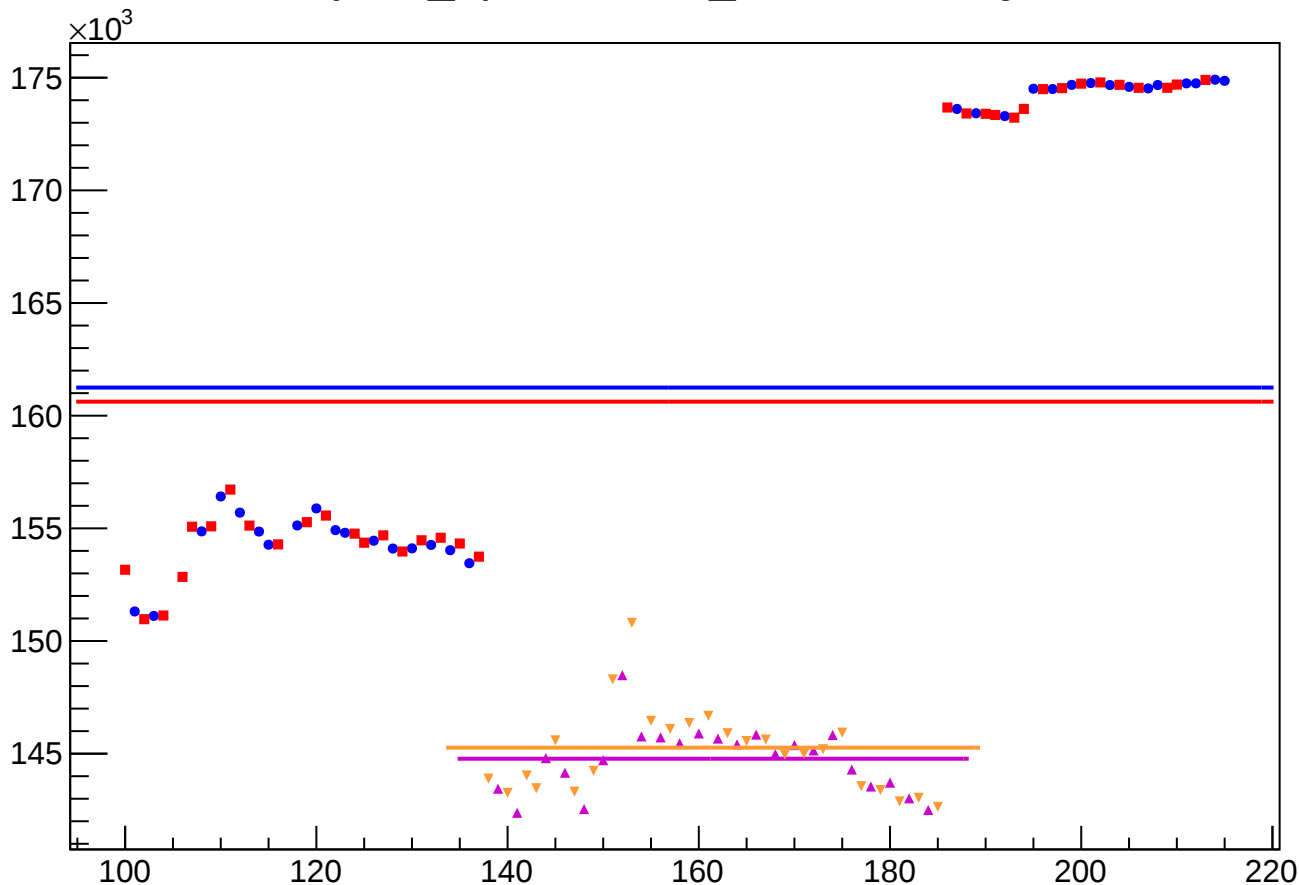
Left In: 210.345 ± 0.036 χ^2/NDF : 677747.7/22

+ sign 33.960 ± 0.006 χ^2/NDF : 41771341.1/56

All: 34.738 ± 0.005 χ^2/NDF : 81216133.9/113

- sign 35.661 ± 0.007 χ^2/NDF : 39412555.4/56

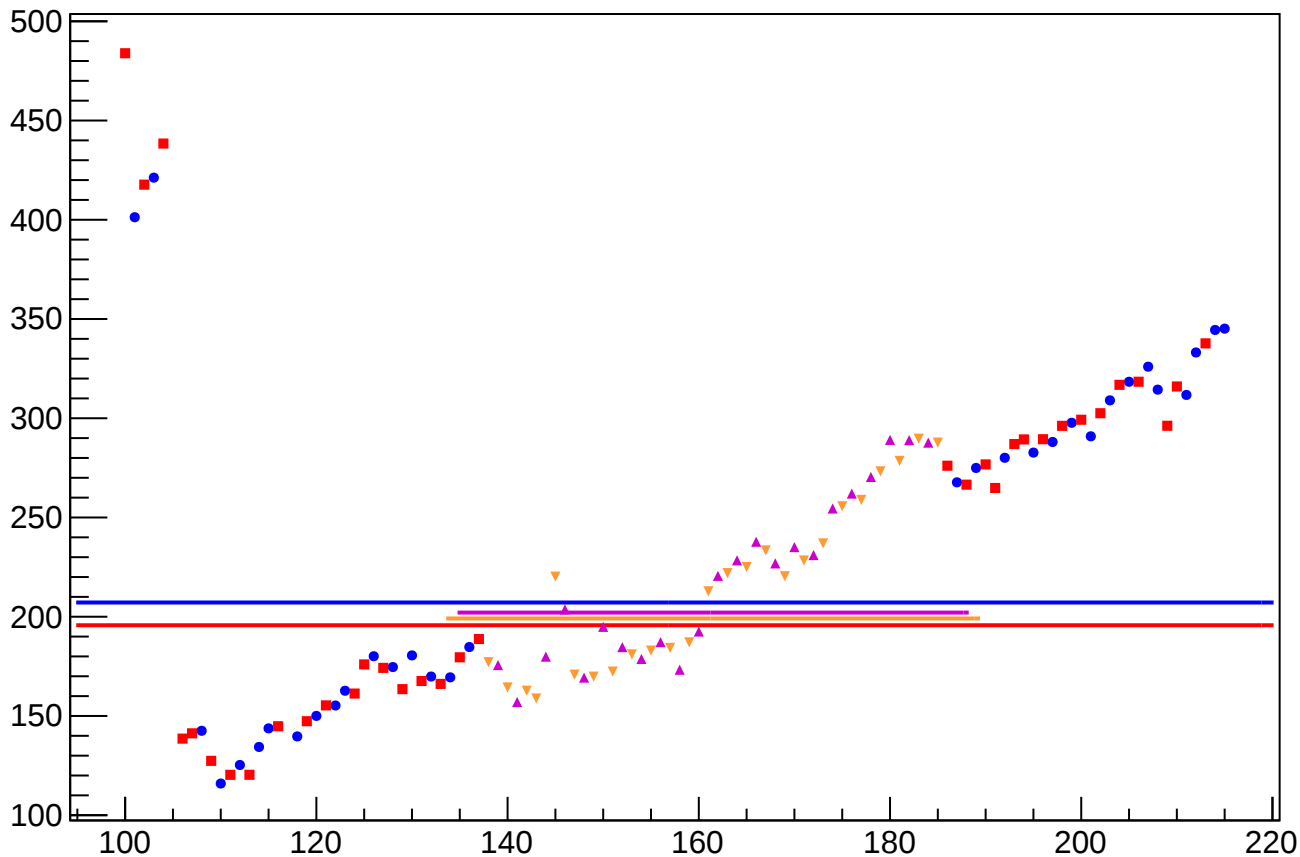
yield_bpm1i02WS_mean vs Slug



Right In: 161248.441 $\pm$ 0.054 χ^2 /NDF: 29932966687.6/31
 Left Out: 145266.717 $\pm$ 0.047 χ^2 /NDF: 1717707352.7/24
 Right Out: 160622.430 $\pm$ 0.051 χ^2 /NDF: 30611410883.4/33
 Left In: 144776.016 $\pm$ 0.050 χ^2 /NDF: 918120275.4/22

+ sign 152273.345 $\pm$ 0.036 χ^2 /NDF: 81503706931.
 All: 152375.257 $\pm$ 0.025 χ^2 /NDF: 162735600
 - sign 152477.256 $\pm$ 0.036 χ^2 /NDF: 81215424953.6

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: 195.707 $\pm$ 0.036 χ^2 /NDF: 4541813.9/33

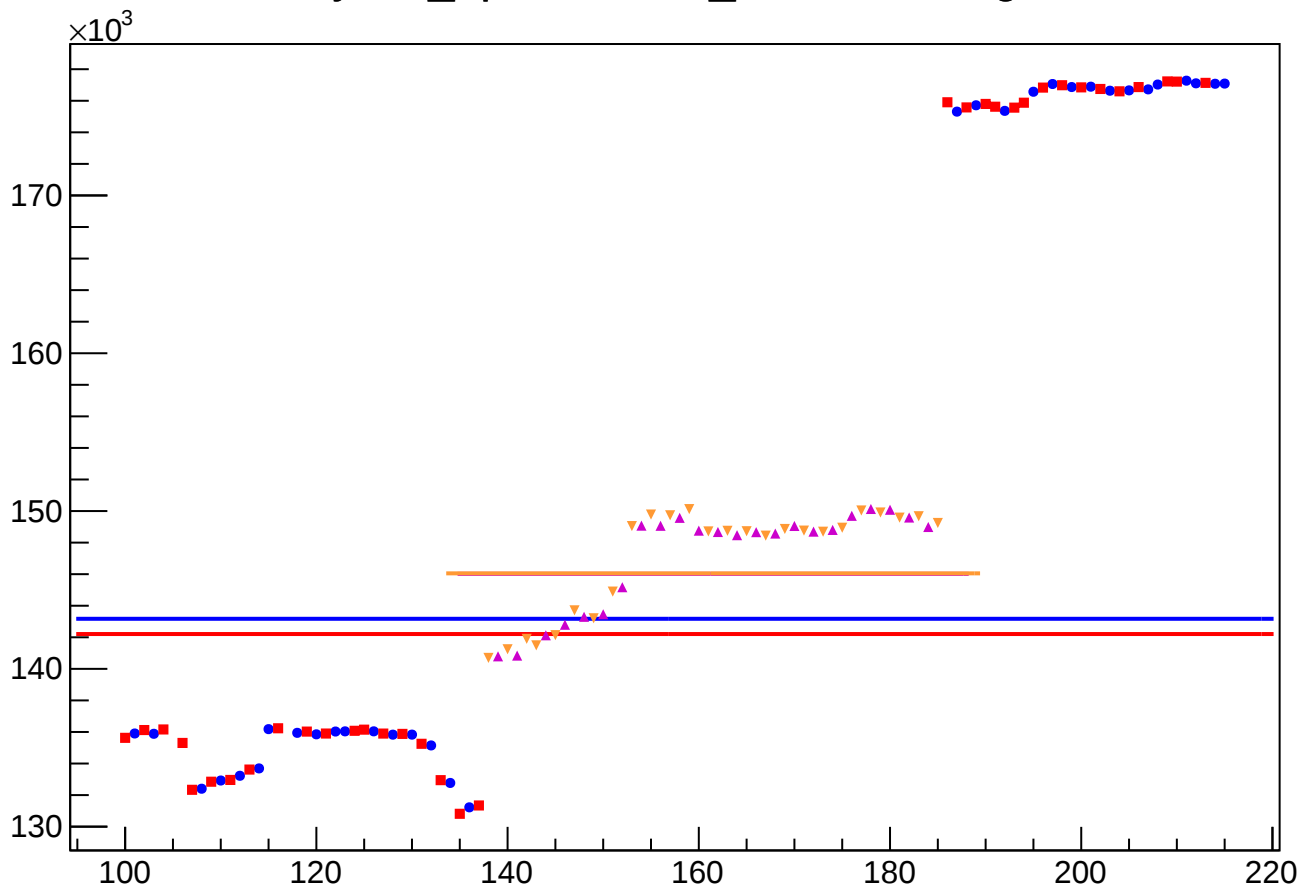
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF: 1057833.2/22

+ sign 202.648 $\pm$ 0.025 χ^2 /NDF: 5650968.6/56

All: 200.819 $\pm$ 0.018 χ^2 /NDF: 11277351.5/11

- sign 198.988 $\pm$ 0.025 χ^2 /NDF: 5615769.0/56

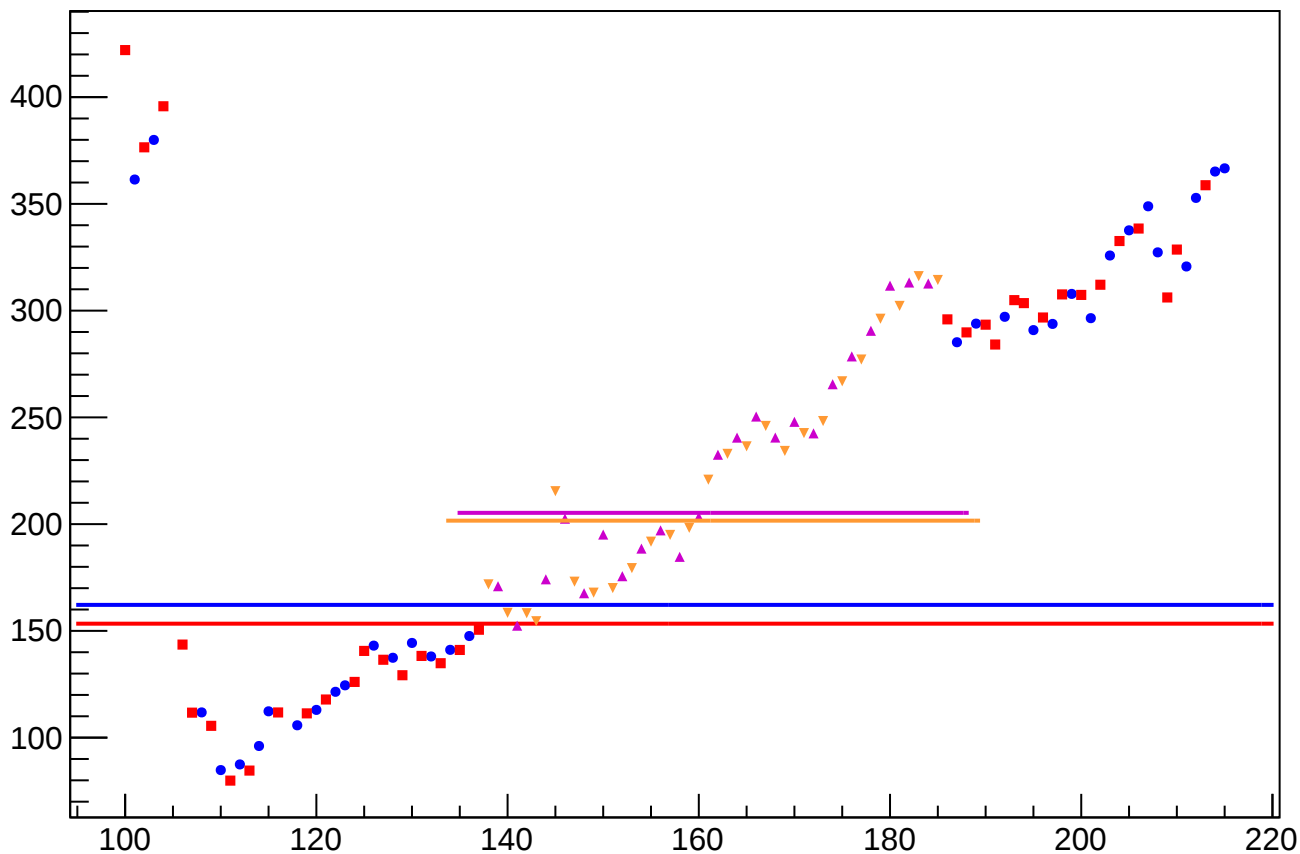
yield_bpm1i04WS_mean vs Slug



Right In: 143172.407 ± 0.045 χ^2/NDF : 149189922648.4/31
 Left Out: 146051.733 ± 0.048 χ^2/NDF : 5403300123.1/24
 Right Out: 142206.401 ± 0.043 χ^2/NDF : 152694275322.5/33
 Left In: 146020.015 ± 0.051 χ^2/NDF : 4591425371.4/22

+ sign 144504.085 ± 0.033 χ^2/NDF : 156503044823
 All: 144144.140 ± 0.023 χ^2/NDF : 31734341
 - sign 143789.001 ± 0.033 χ^2/NDF : 160601851647

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: 153.373+/-0.030 χ^2/NDF : 7992519.2/33

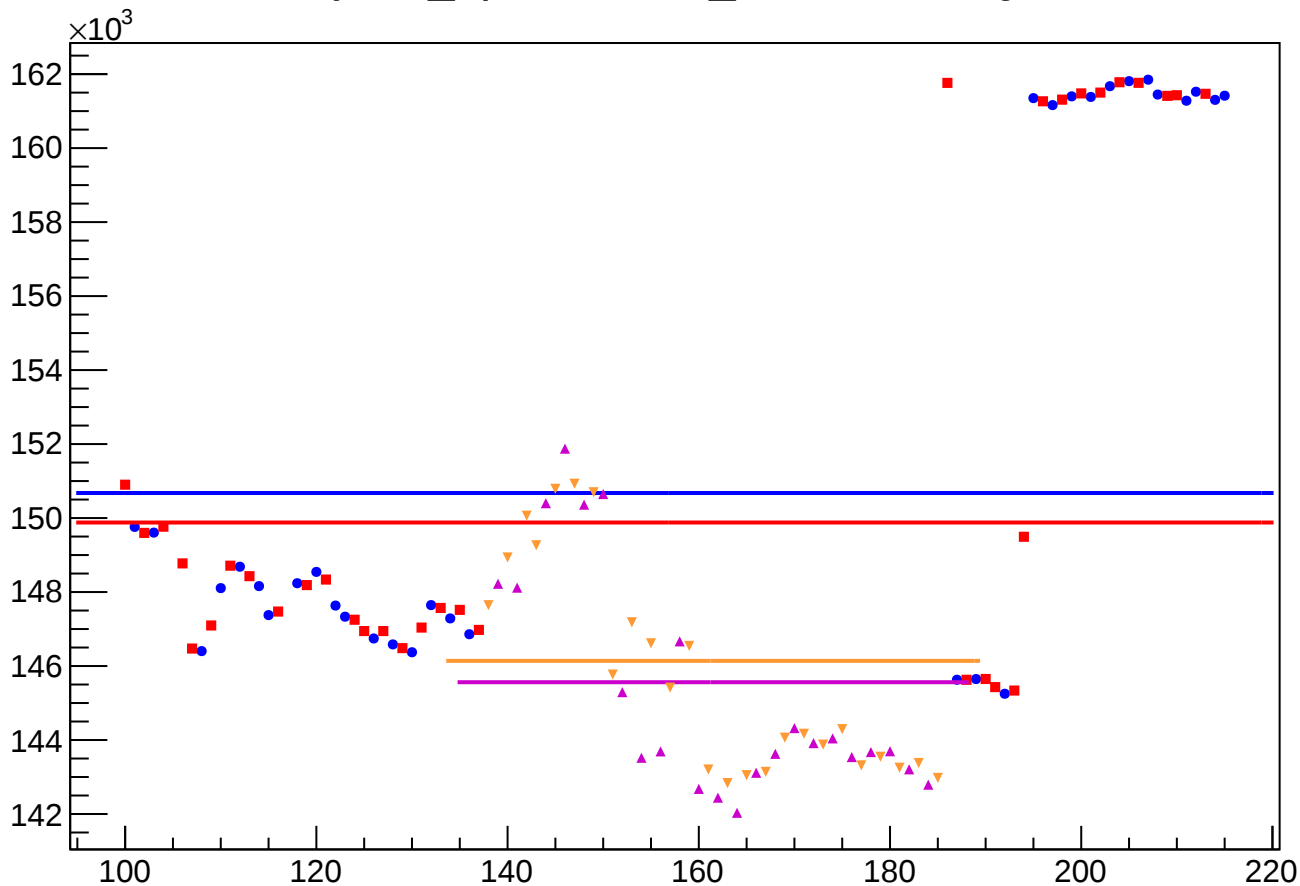
Left In: 205.286+/-0.036 χ^2/NDF : 1425292.7/22

+ sign 180.424+/-0.023 χ^2/NDF : 10357826.3/56

All: 177.652+/-0.016 χ^2/NDF : 21032911.3/11

- sign 174.917+/-0.023 χ^2/NDF : 10646785.0/56

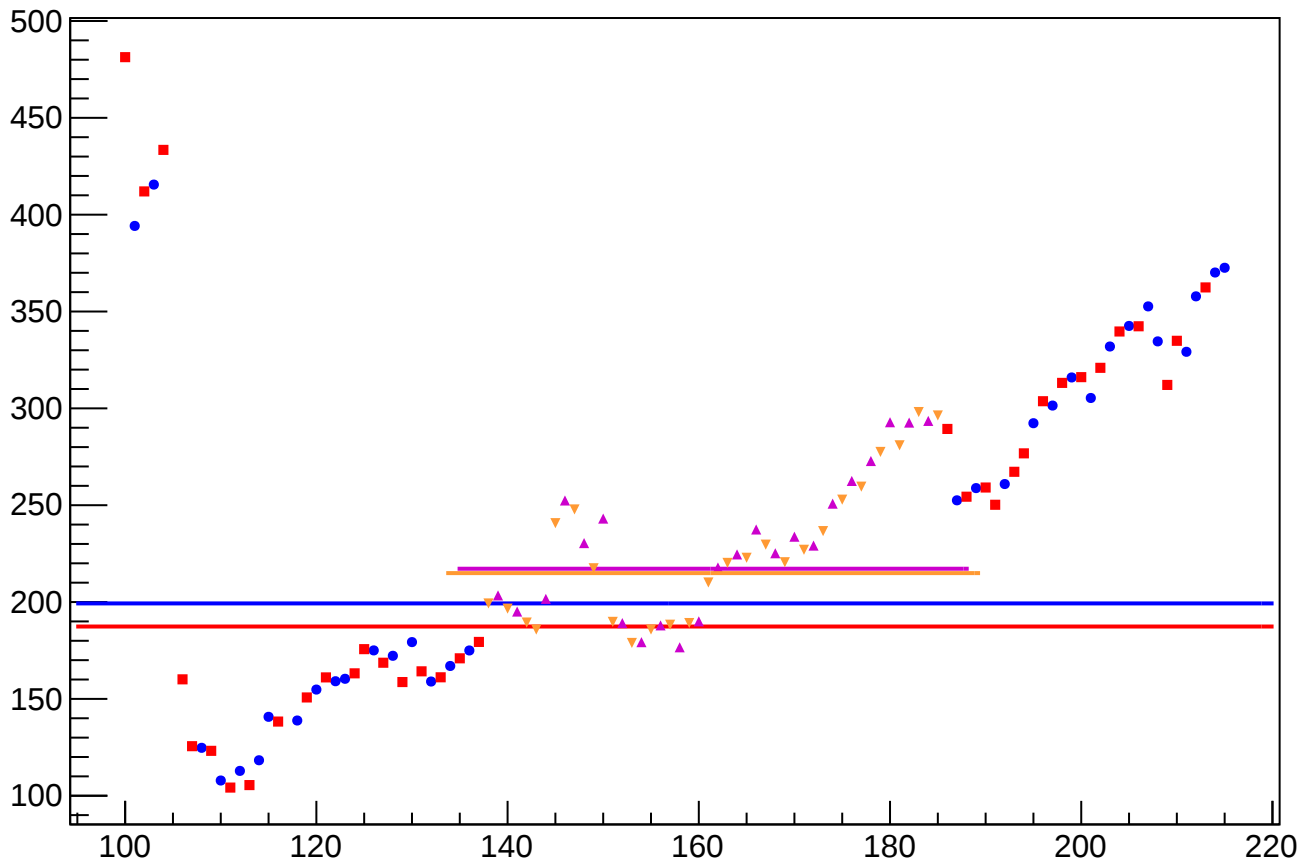
yield_bpm1i06WS_mean vs Slug



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: 149879.342 $\pm$ 0.050 χ^2 /NDF: 11327491454.3/33
 Left In: 145562.386 $\pm$ 0.053 χ^2 /NDF: 3054641996.0/22

+ sign 148334.479 $\pm$ 0.037 χ^2 /NDF: 19479920183.5
 All: 148096.724 $\pm$ 0.026 χ^2 /NDF: 374723811.5
 - sign 147862.937 $\pm$ 0.036 χ^2 /NDF: 17908654739.5

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: 187.368 $\pm$ 0.035 χ^2 /NDF: 5481134.2/33

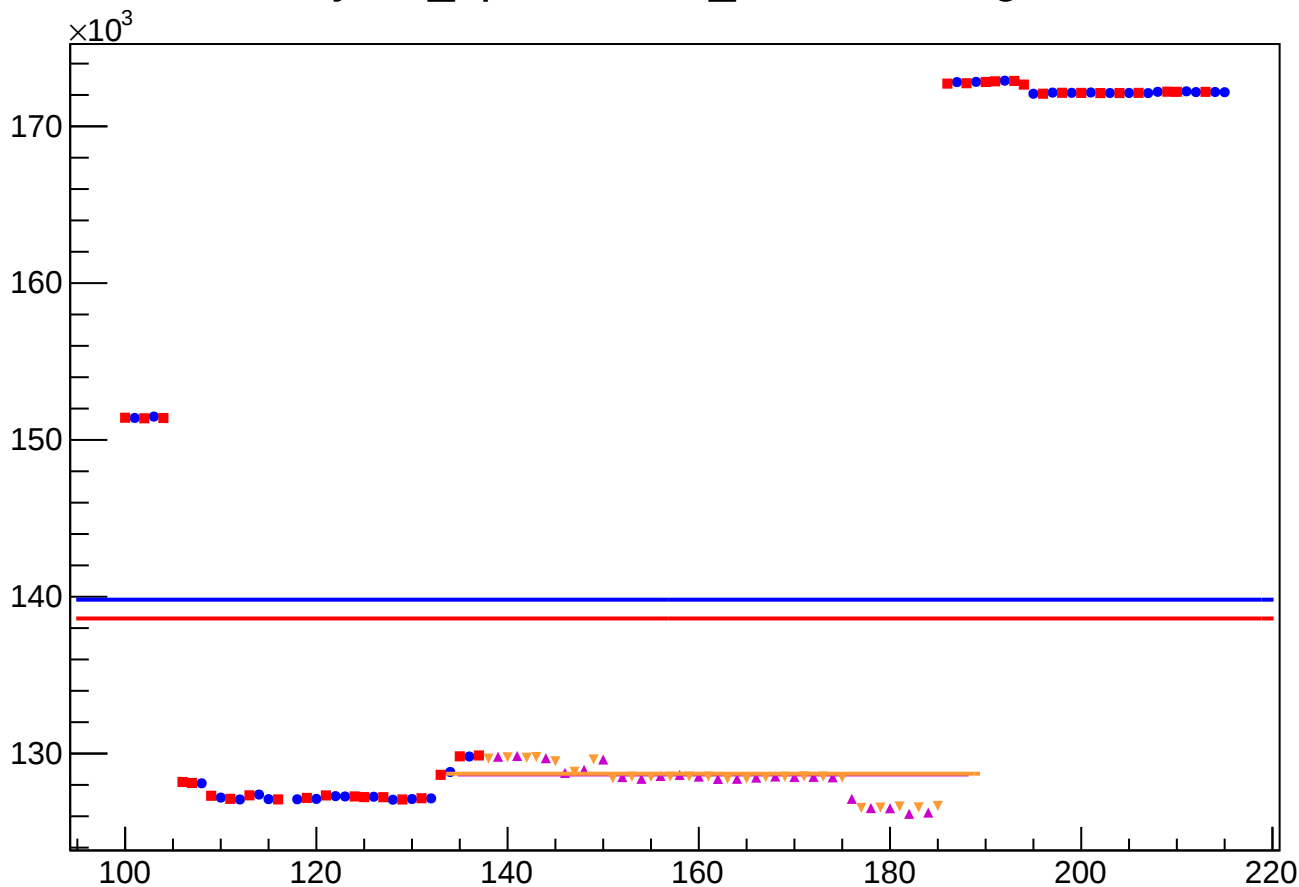
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 207.375 $\pm$ 0.026 χ^2 /NDF: 6353296.7/56

All: 204.314 $\pm$ 0.018 χ^2 /NDF: 12963909.3/11

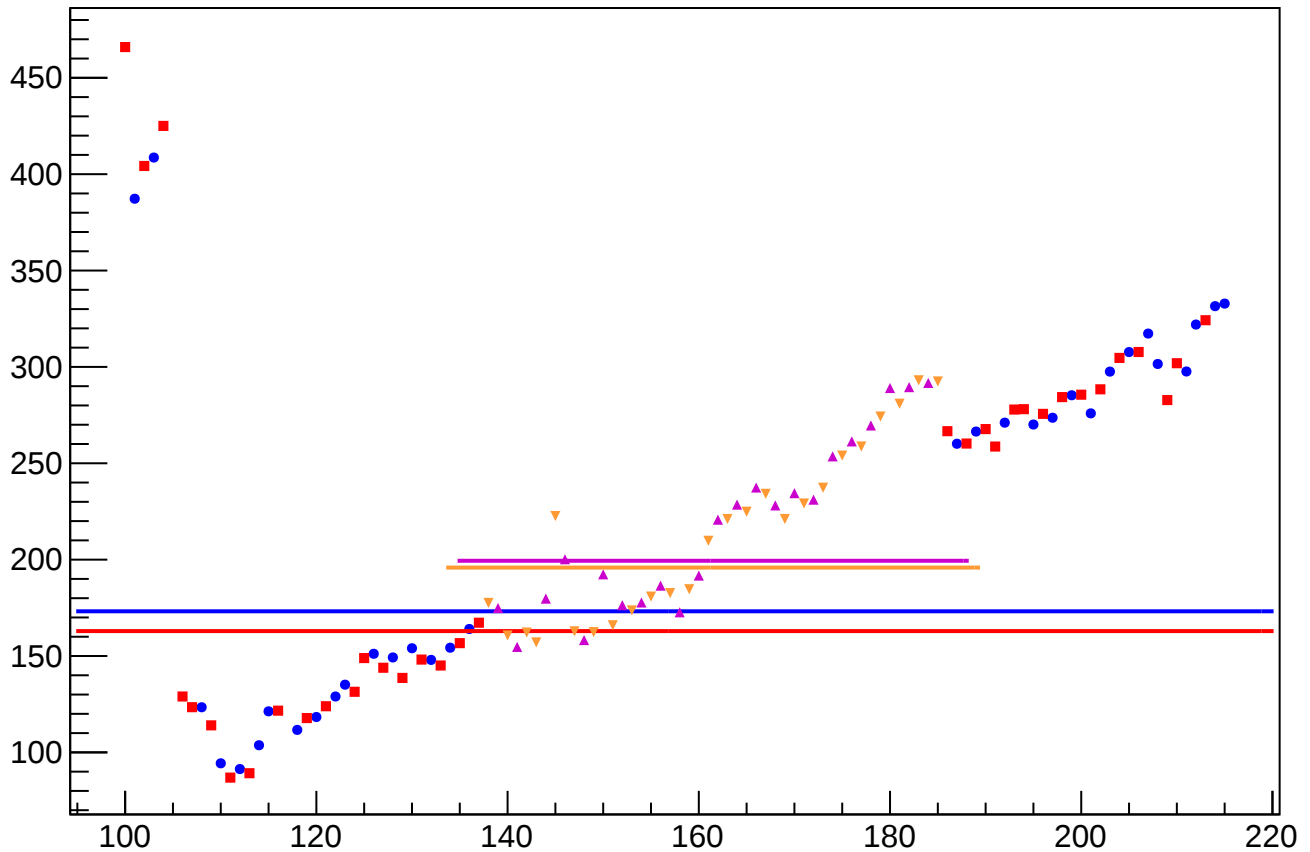
- sign 201.304 $\pm$ 0.026 χ^2 /NDF: 6582824.1/56

yield_bpm2i01WS_mean vs Slug



Right In: 139812.369 $\pm$ 0.046 χ^2 /NDF: 182086188987.4/31
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 138612.911 $\pm$ 0.044 χ^2 /NDF: 190785621153.4/33
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22
 + sign 134295.651 $\pm$ 0.033 χ^2 /NDF: 210837399224
 All: 134238.008 $\pm$ 0.023 χ^2 /NDF: 424810879
 - sign 134181.136 $\pm$ 0.033 χ^2 /NDF: 213967390872

yield_bpm2i01WS_rms vs Slug



Right In: 173.199 ± 0.033 χ^2/NDF : 6416919.5/31

Left Out: 195.883 ± 0.033 χ^2/NDF : 1313361.5/24

Right Out: 162.929 ± 0.031 χ^2/NDF : 6445843.5/33

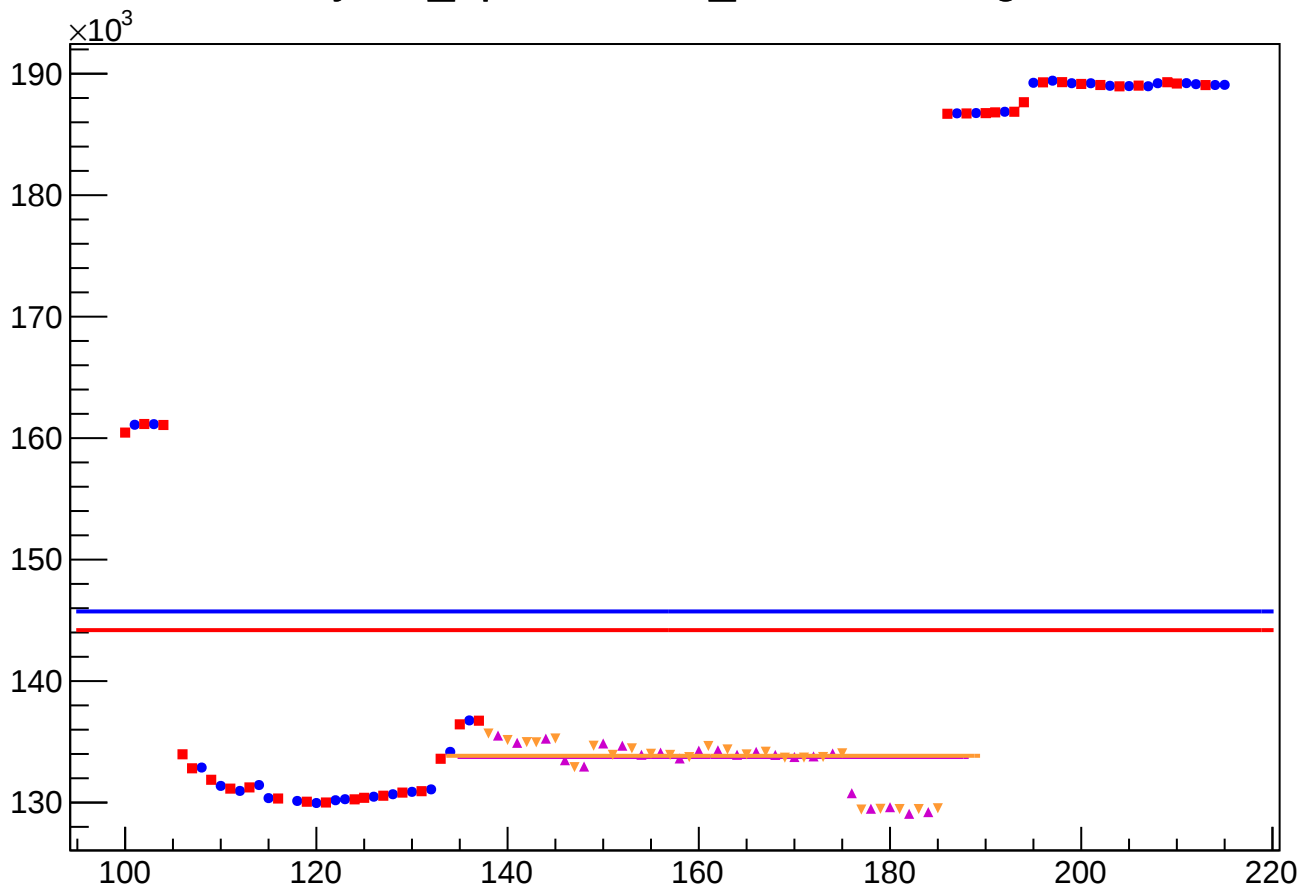
Left In: 199.413 ± 0.035 χ^2/NDF : 1165698.7/22

+ sign 184.475 ± 0.023 χ^2/NDF : 7967612.4/56

All: 181.813 ± 0.016 χ^2/NDF : 16220035.7/11

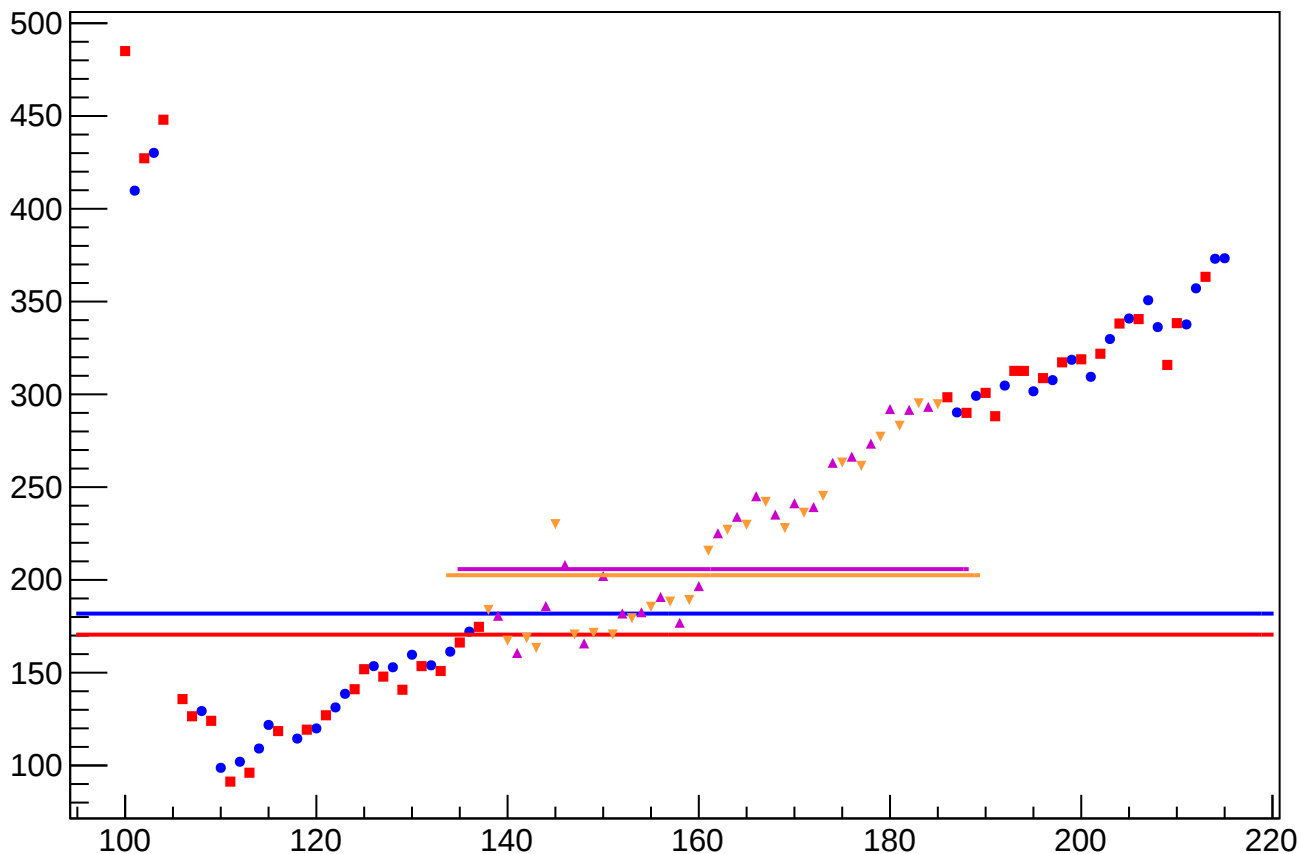
- sign 179.186 ± 0.023 χ^2/NDF : 8226448.6/56

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: 144194.974 $\pm$ 0.047 χ^2 /NDF: 253957296400.0/33
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22
 + sign 139657.590 $\pm$ 0.034 χ^2 /NDF: 278834679762
 All: 139528.526 $\pm$ 0.024 χ^2 /NDF: 556909407
 - sign 139401.414 $\pm$ 0.034 χ^2 /NDF: 278046920490

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: 170.510 $\pm$ 0.033 χ^2 /NDF: 7100442.0/33

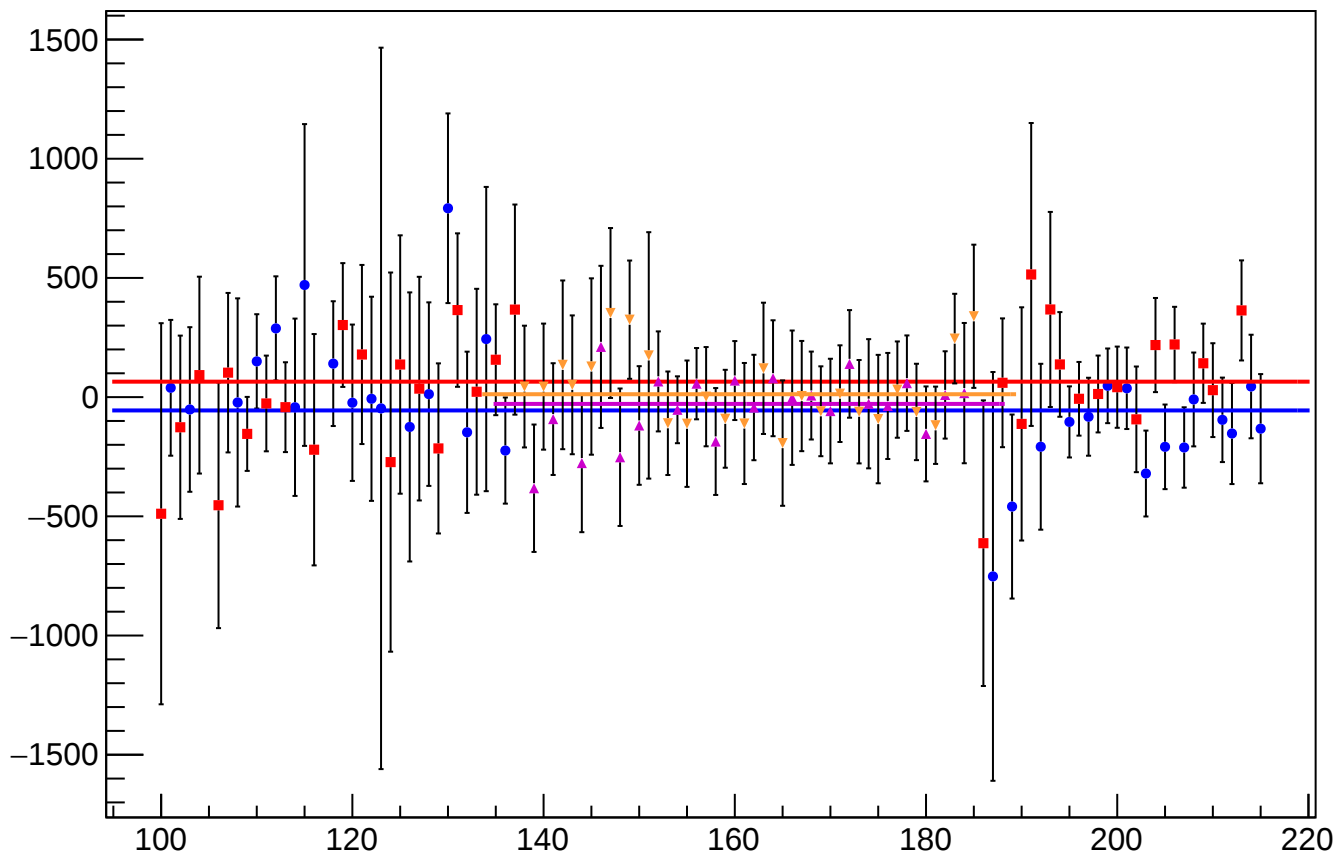
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 192.422 $\pm$ 0.024 χ^2 /NDF: 8460815.4/56

All: 189.544 $\pm$ 0.017 χ^2 /NDF: 17211634.7/11

- sign 186.709 $\pm$ 0.024 χ^2 /NDF: 8723160.1/56

asym_bcm_an_ds_mean vs Slug



Right In: -55.839 $\pm$ 42.606 χ^2 /NDF: 17.5/31

Left Out: 12.180 $\pm$ 47.531 χ^2 /NDF:8.6/24

Right Out: 64.854 $\pm$ 43.068 χ^2 /NDF: 15.1/33

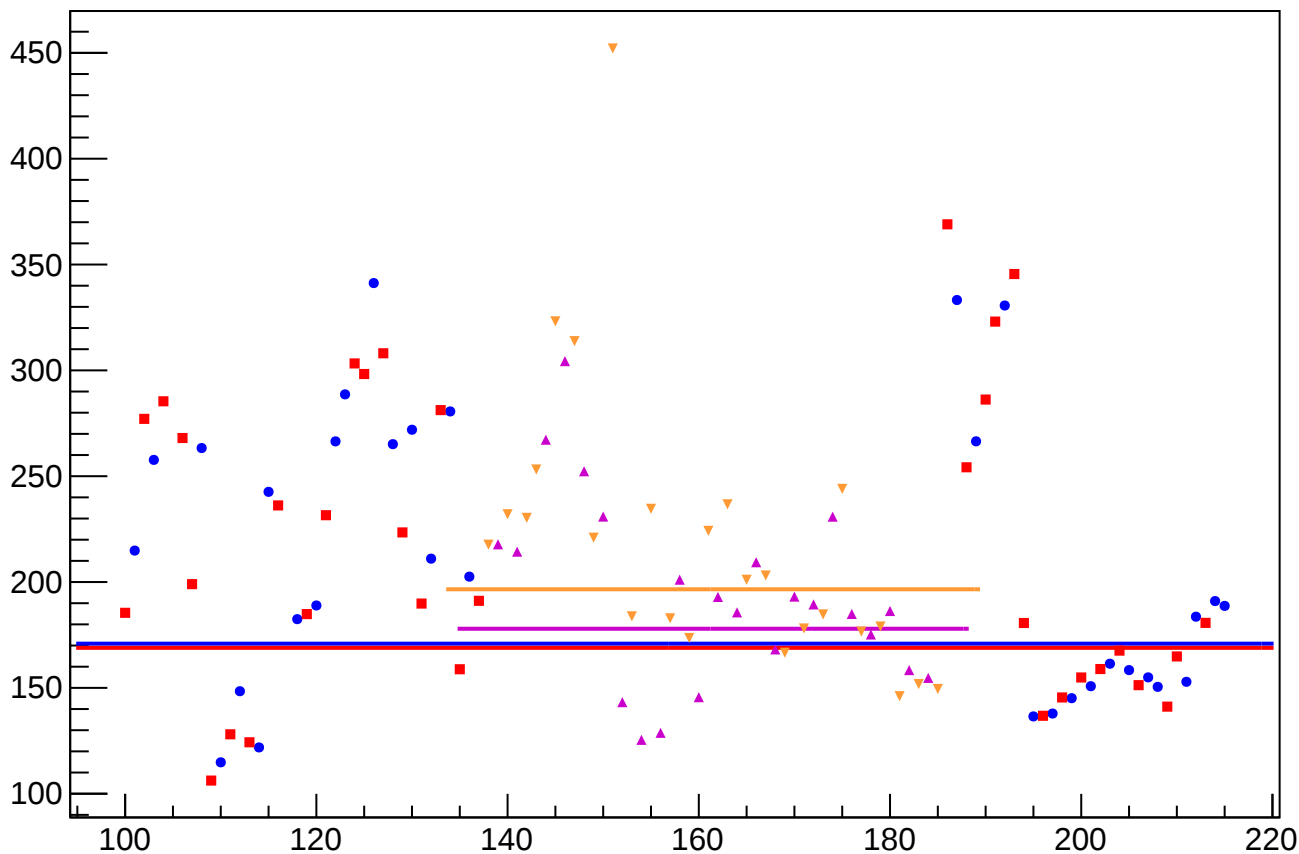
Left In: -28.452 $\pm$ 44.688 χ^2 /NDF:6.7/22

+ sign -25.535 $\pm$ 31.726 χ^2 /NDF: 27.2/56

All: -2.288 $\pm$ 22.176 χ^2 /NDF: 52.4/113

- sign 19.923 $\pm$ 31.011 χ^2 /NDF: 24.1/56

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: 168.917 $\pm$ 0.030 χ^2 /NDF: 2845861.9/33

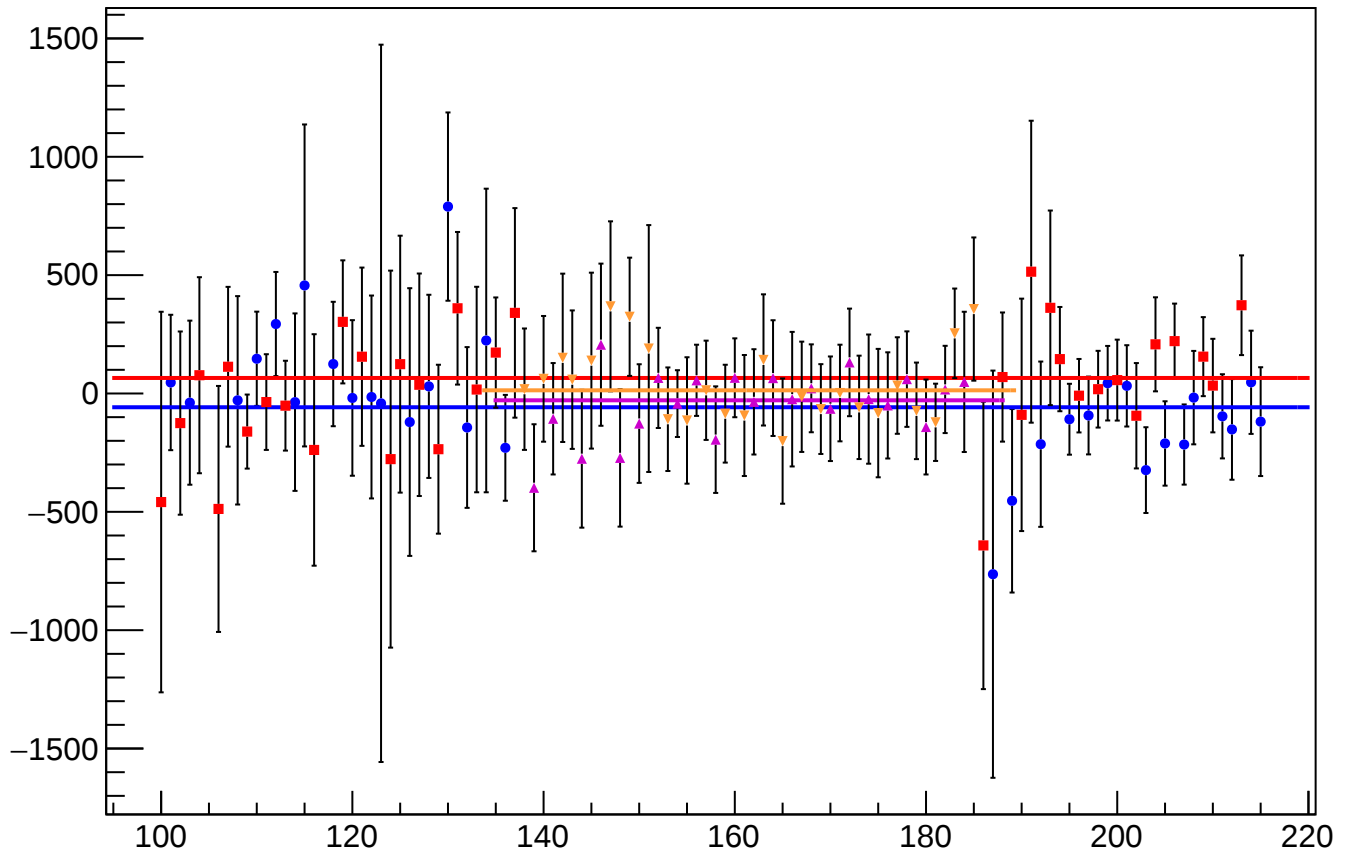
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 182.331 $\pm$ 0.022 χ^2 /NDF: 4284071.2/56

All: 177.691 $\pm$ 0.016 χ^2 /NDF: 8861553.1/113

- sign 173.259 $\pm$ 0.022 χ^2 /NDF: 4493847.9/56

asym_bcm_an_ds3_mean vs Slug



Right In: -58.159 ± 42.798 $\chi^2/\text{NDF}: 17.4/31$

Left Out: 13.395 ± 47.862 $\chi^2/\text{NDF}: 9.0/24$

Right Out: 65.579 ± 43.278 $\chi^2/\text{NDF}: 15.5/33$

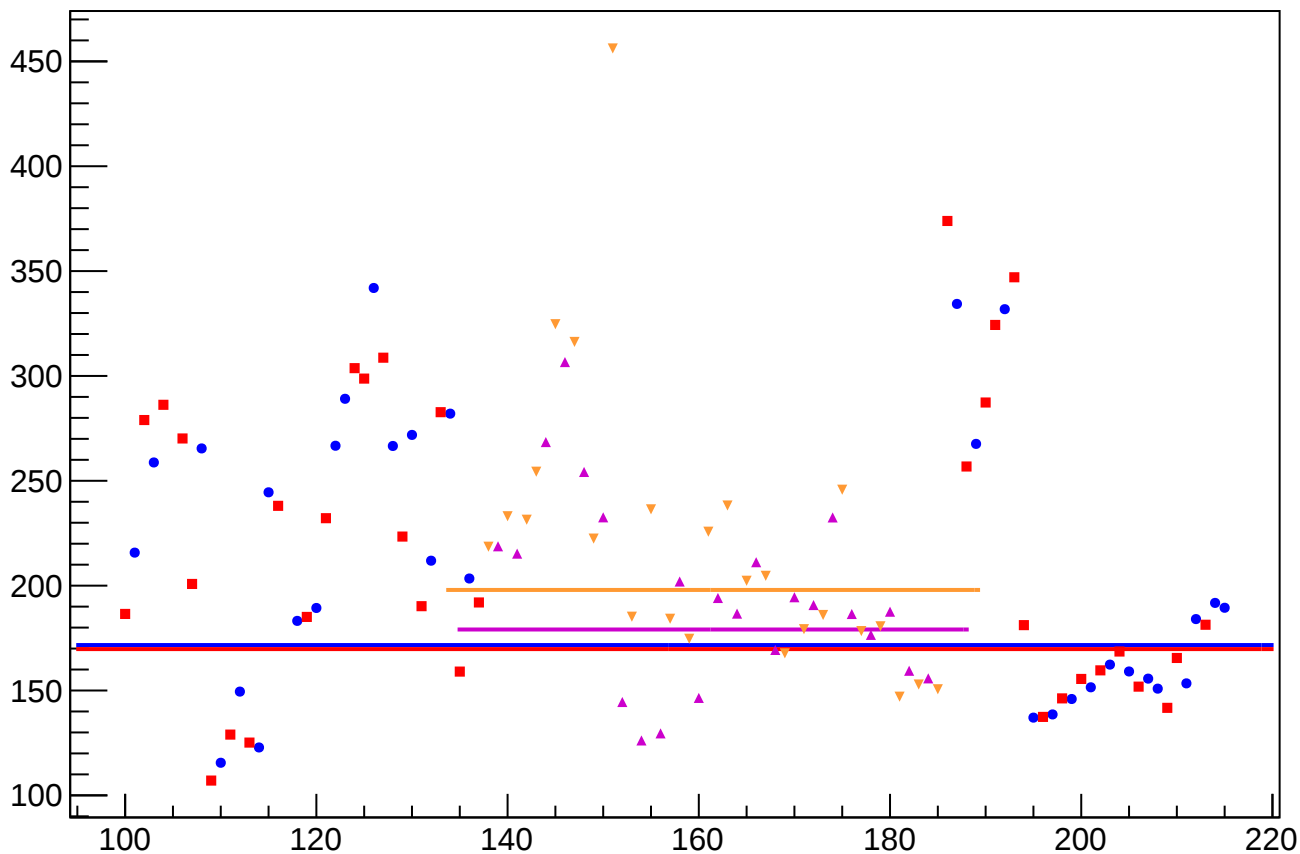
Left In: -28.806 ± 44.980 $\chi^2/\text{NDF}: 6.8/22$

+ sign -26.367 ± 31.903 $\chi^2/\text{NDF}: 27.6/56$

All: -2.551 ± 22.301 $\chi^2/\text{NDF}: 53.4/113$

- sign 20.206 ± 31.186 $\chi^2/\text{NDF}: 24.7/56$

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: 169.747 $\pm$ 0.031 χ^2 /NDF: 2841695.1/33

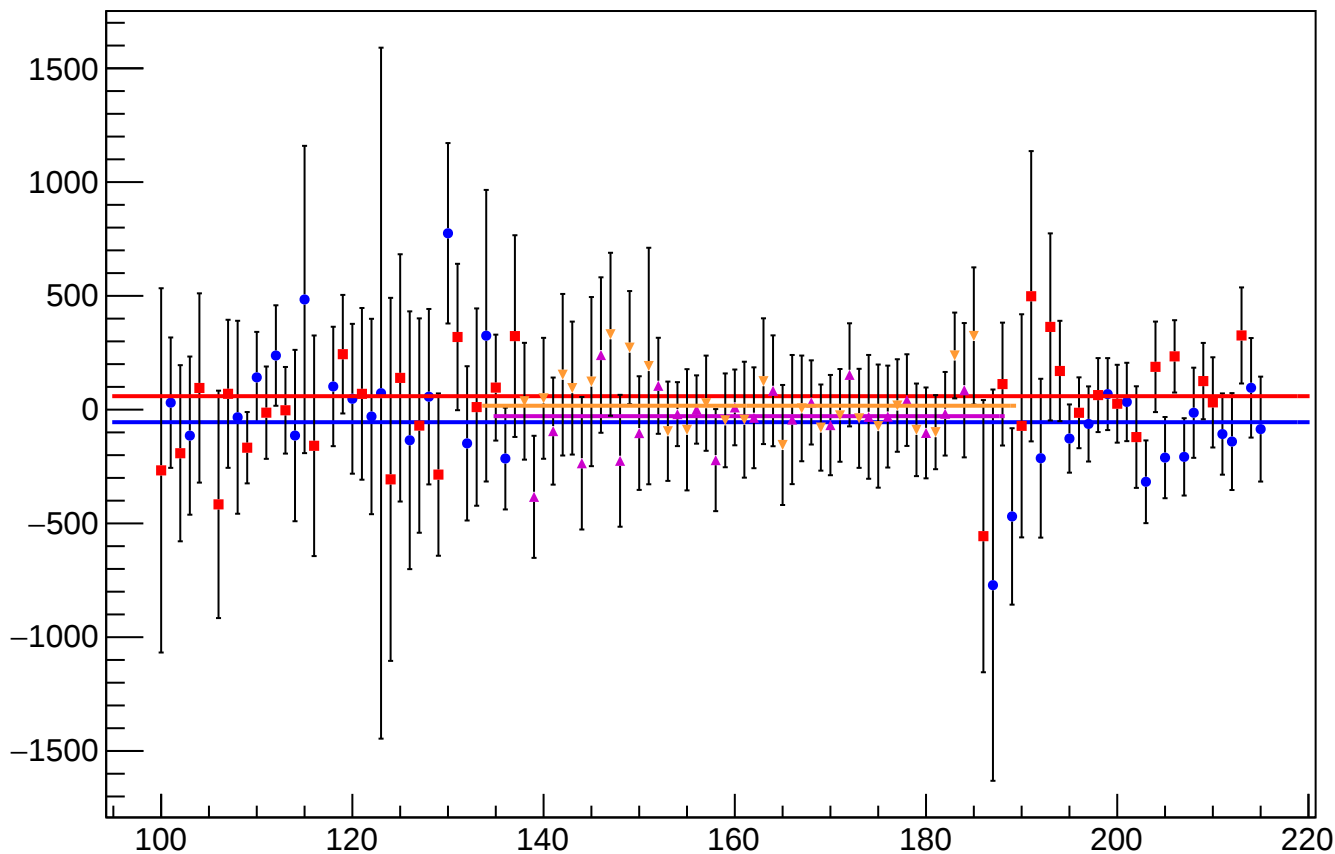
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 183.351 $\pm$ 0.023 χ^2 /NDF: 4282178.2/56

All: 178.691 $\pm$ 0.016 χ^2 /NDF: 8857226.1/113

- sign 174.238 $\pm$ 0.022 χ^2 /NDF: 4491614.3/56

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: 59.157 ± 43.308 χ^2/NDF : 13.6/33

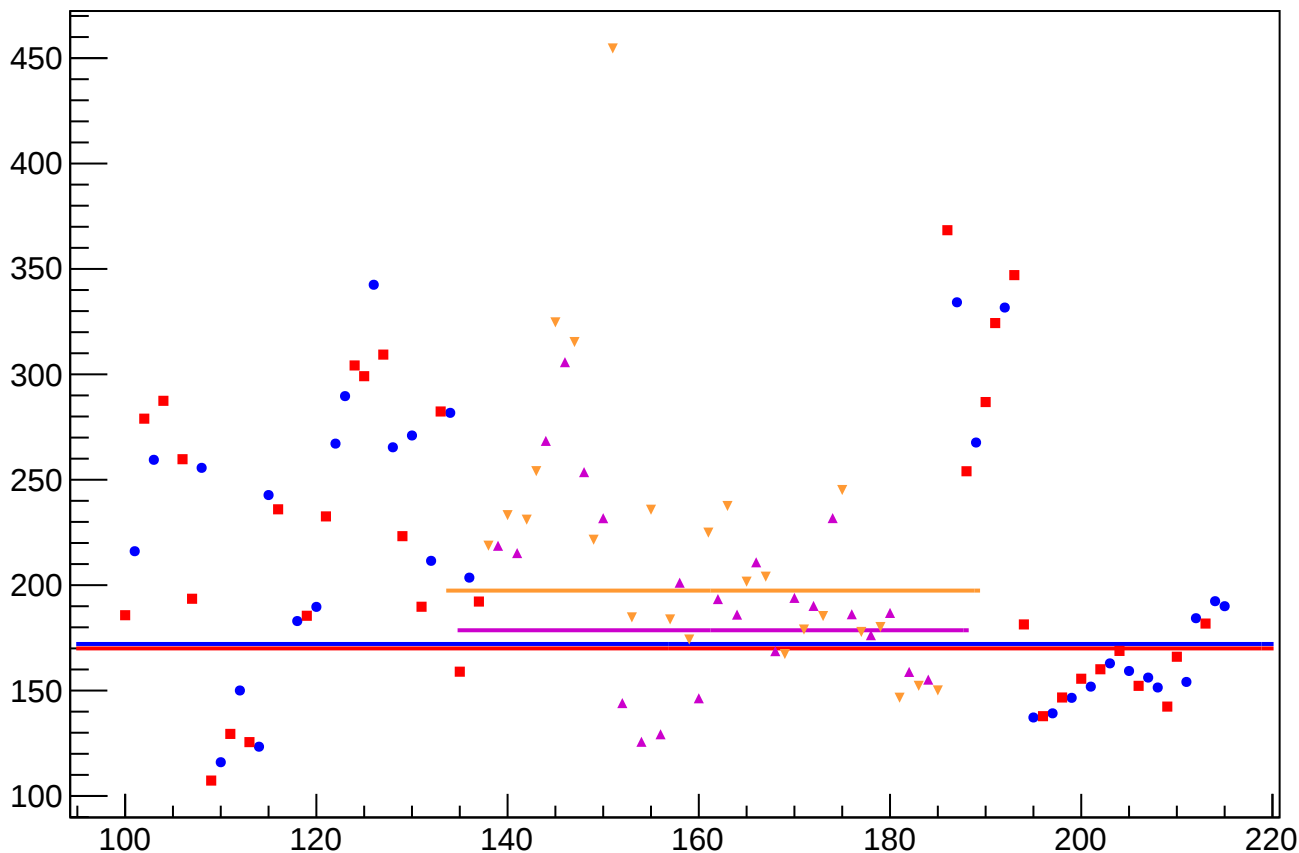
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign -22.872 ± 31.902 χ^2/NDF : 25.3/56

All: -2.570 ± 22.290 χ^2/NDF : 47.8/113

- sign 16.795 ± 31.157 χ^2/NDF : 21.7/56

asym_bcm_an_us_rms vs Slug



Right In: 172.103 $\pm$ 0.030 χ^2 /NDF: 2140302.8/31

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 169.994 $\pm$ 0.031 χ^2 /NDF: 2794142.1/33

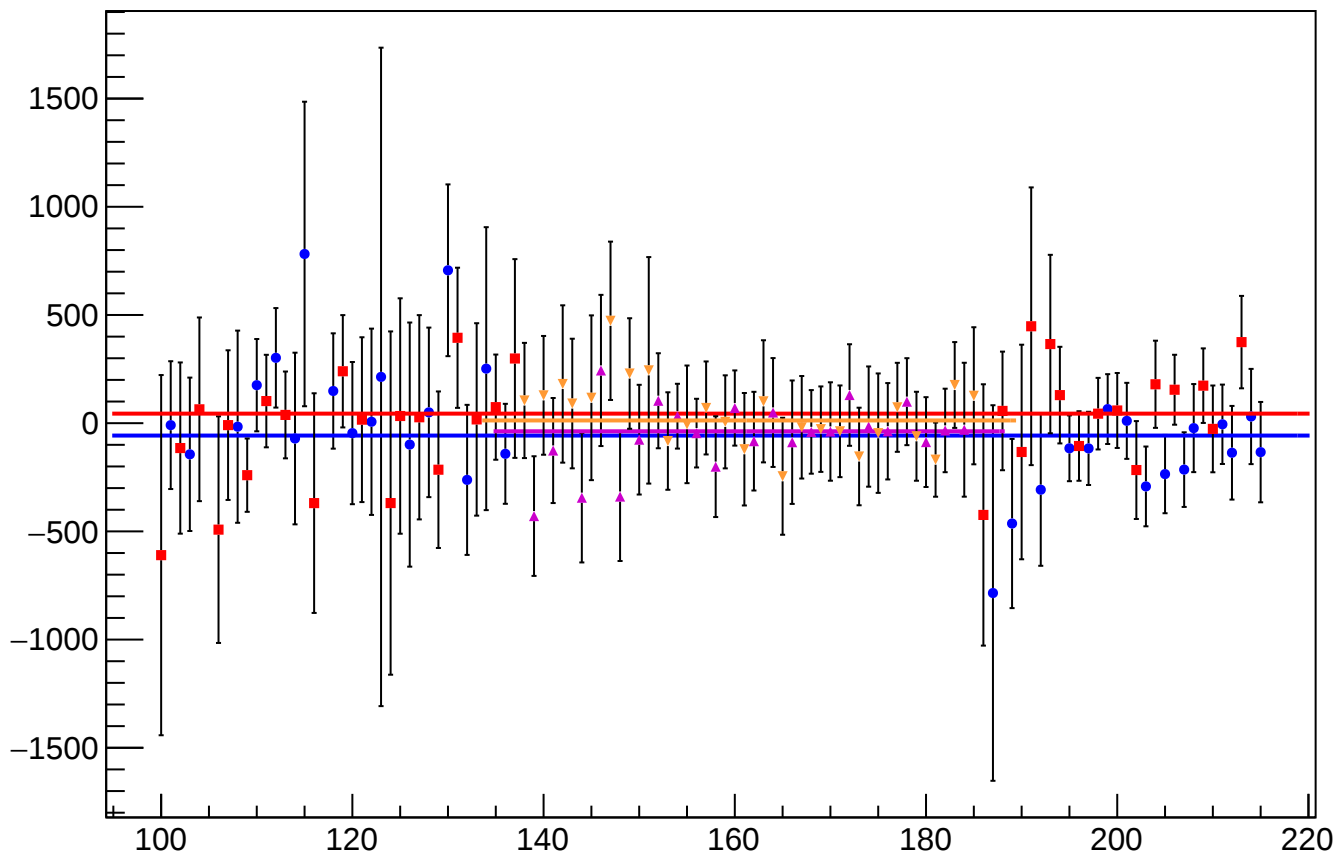
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 183.410 $\pm$ 0.023 χ^2 /NDF: 4231910.2/56

All: 178.669 $\pm$ 0.016 χ^2 /NDF: 8759472.2/113

- sign 174.146 $\pm$ 0.022 χ^2 /NDF: 4441250.8/56

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: 44.115 ± 44.451 χ^2/NDF : 16.4/33

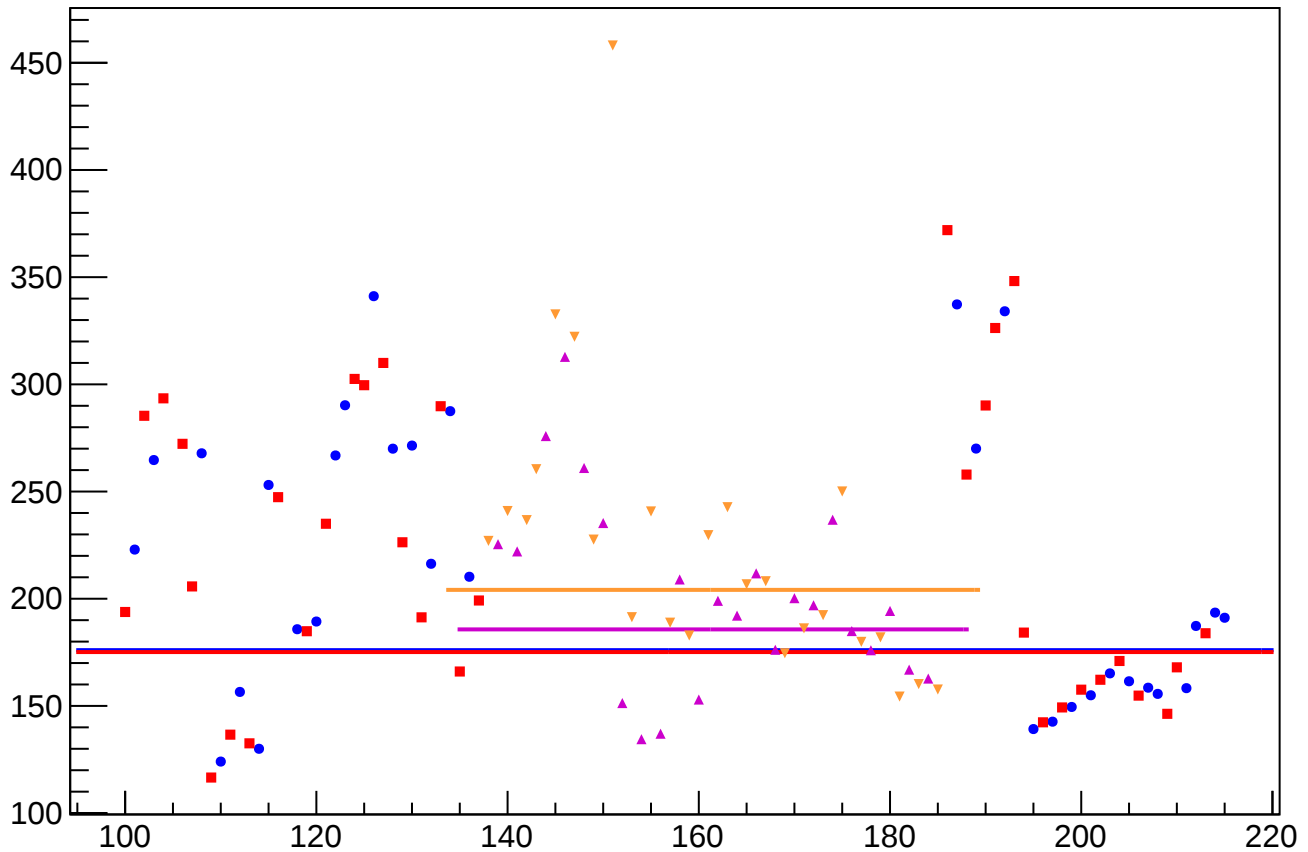
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign -26.381 ± 32.724 χ^2/NDF : 26.2/56

All: -10.327 ± 22.924 χ^2/NDF : 52.2/113

- sign 5.146 ± 32.125 χ^2/NDF : 25.6/56

asym_bcm_dg_us_rms vs Slug



Right In: 176.014 ± 0.031 χ^2/NDF : 2055517.8/31

Left Out: 204.132 ± 0.035 χ^2/NDF : 1672287.6/24

Right Out: 175.122 ± 0.031 χ^2/NDF : 2611870.9/33

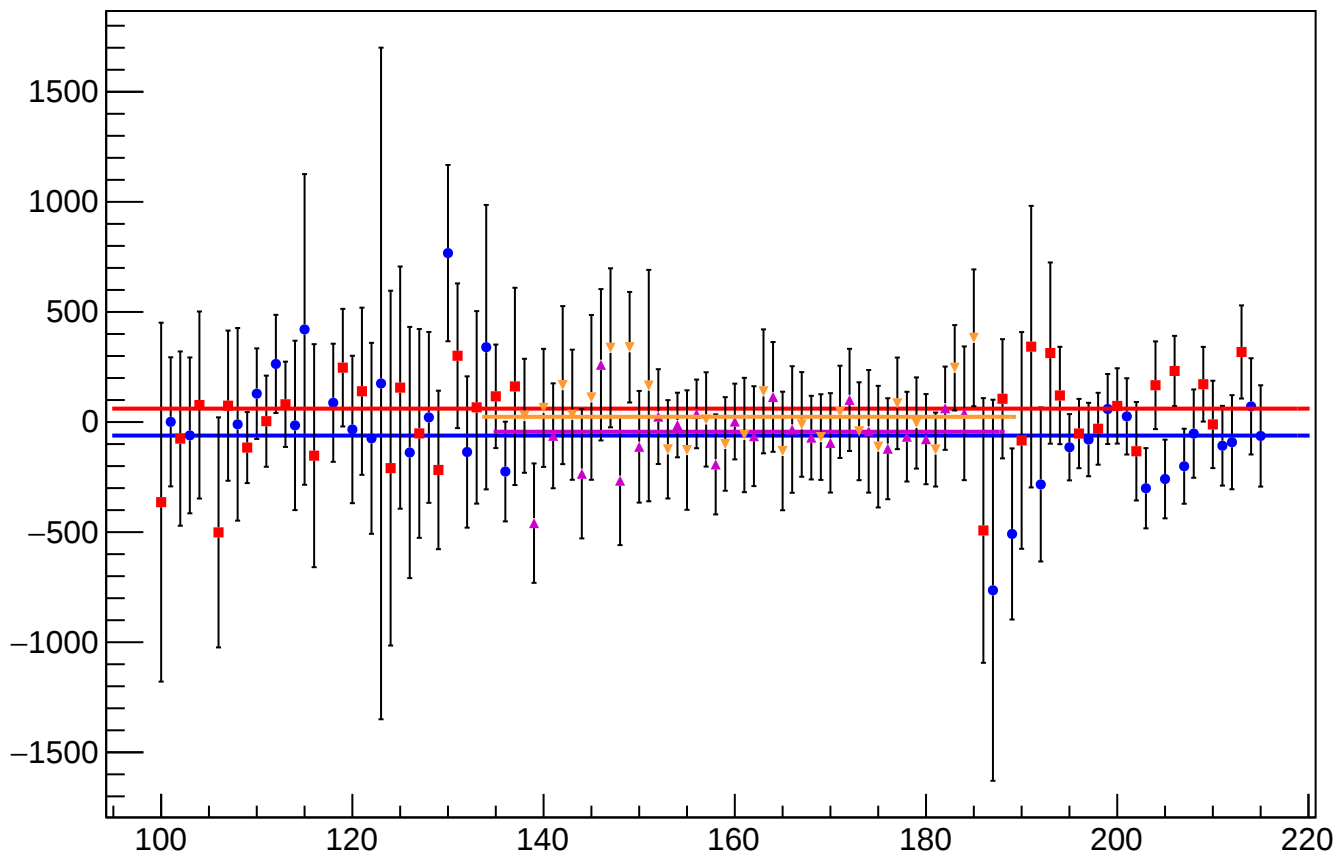
Left In: 185.694 ± 0.033 χ^2/NDF : 1447767.0/22

+ sign 188.431 ± 0.023 χ^2/NDF : 4091933.7/56

All: 184.225 ± 0.016 χ^2/NDF : 8270491.6/113

- sign 180.172 ± 0.023 χ^2/NDF : 4113679.6/56

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: 60.955 ± 43.767 χ^2/NDF : 11.6/33

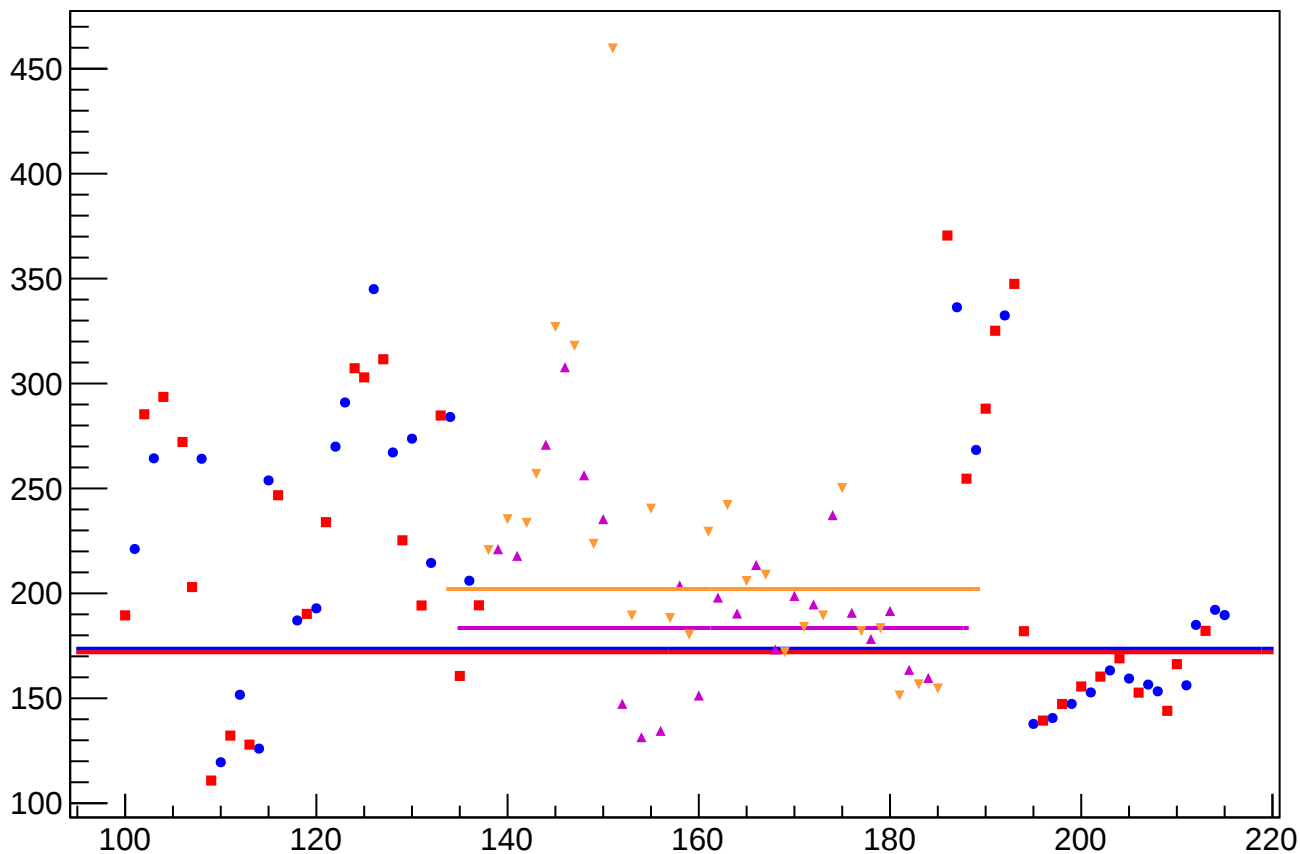
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -23.883 ± 32.365 χ^2/NDF : 26.8/56

All: -6.042 ± 22.647 χ^2/NDF : 48.3/113

- sign 11.075 ± 31.702 χ^2/NDF : 20.9/56

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: 171.931 $\pm$ 0.031 χ^2 /NDF: 2772824.7/33

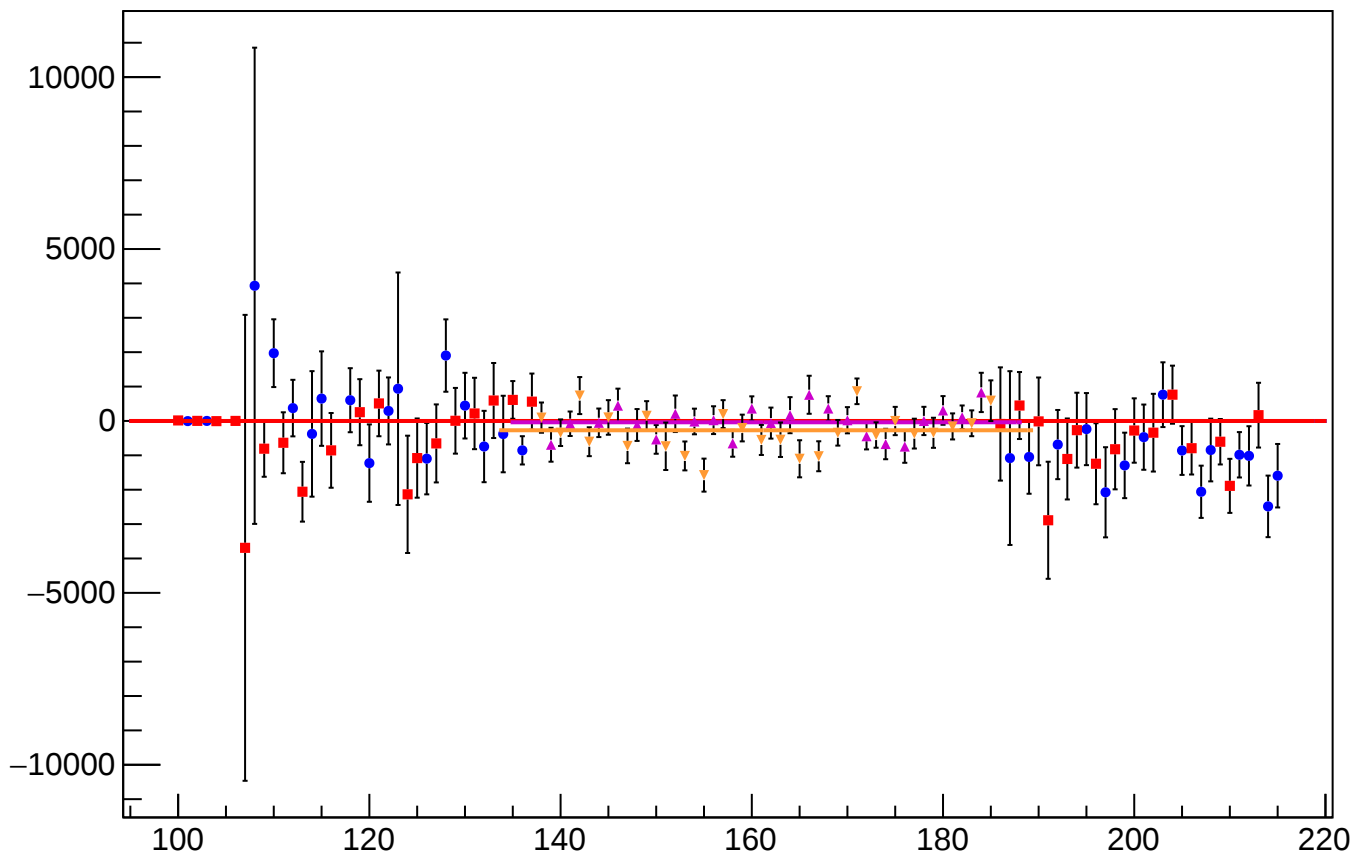
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 186.152 $\pm$ 0.023 χ^2 /NDF: 4214092.9/56

All: 181.700 $\pm$ 0.016 χ^2 /NDF: 8610841.9/113

- sign 177.429 $\pm$ 0.022 χ^2 /NDF: 4322614.3/56

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: -0.762 ± 2.111 χ^2/NDF : 33.5/33

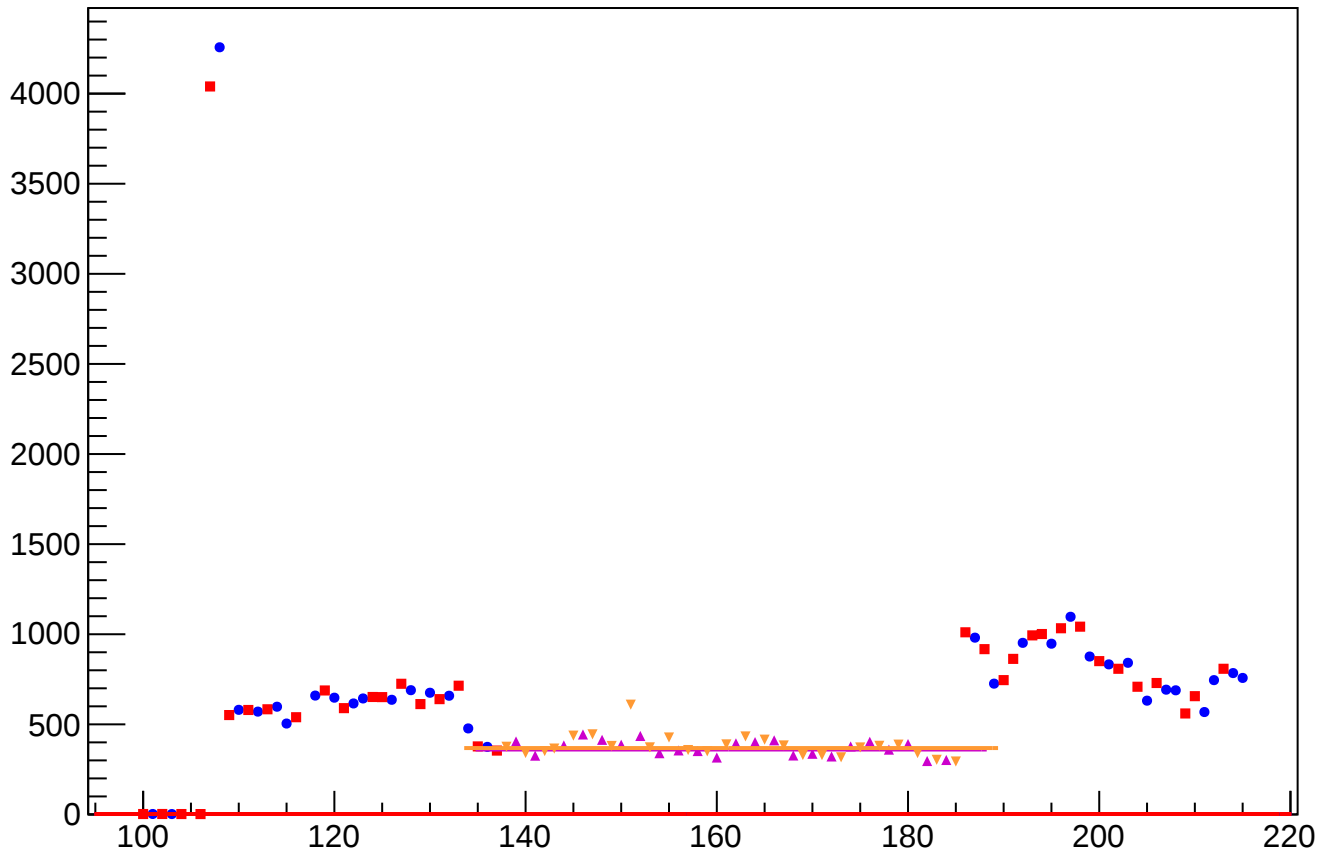
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.807 ± 2.251 χ^2/NDF : 95.9/56

All: -1.263 ± 1.539 χ^2/NDF : 150.0/113

- sign -0.785 ± 2.110 χ^2/NDF : 53.9/56

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: 2.491 $\pm$ 0.001 χ^2 /NDF: 31159386.0/33

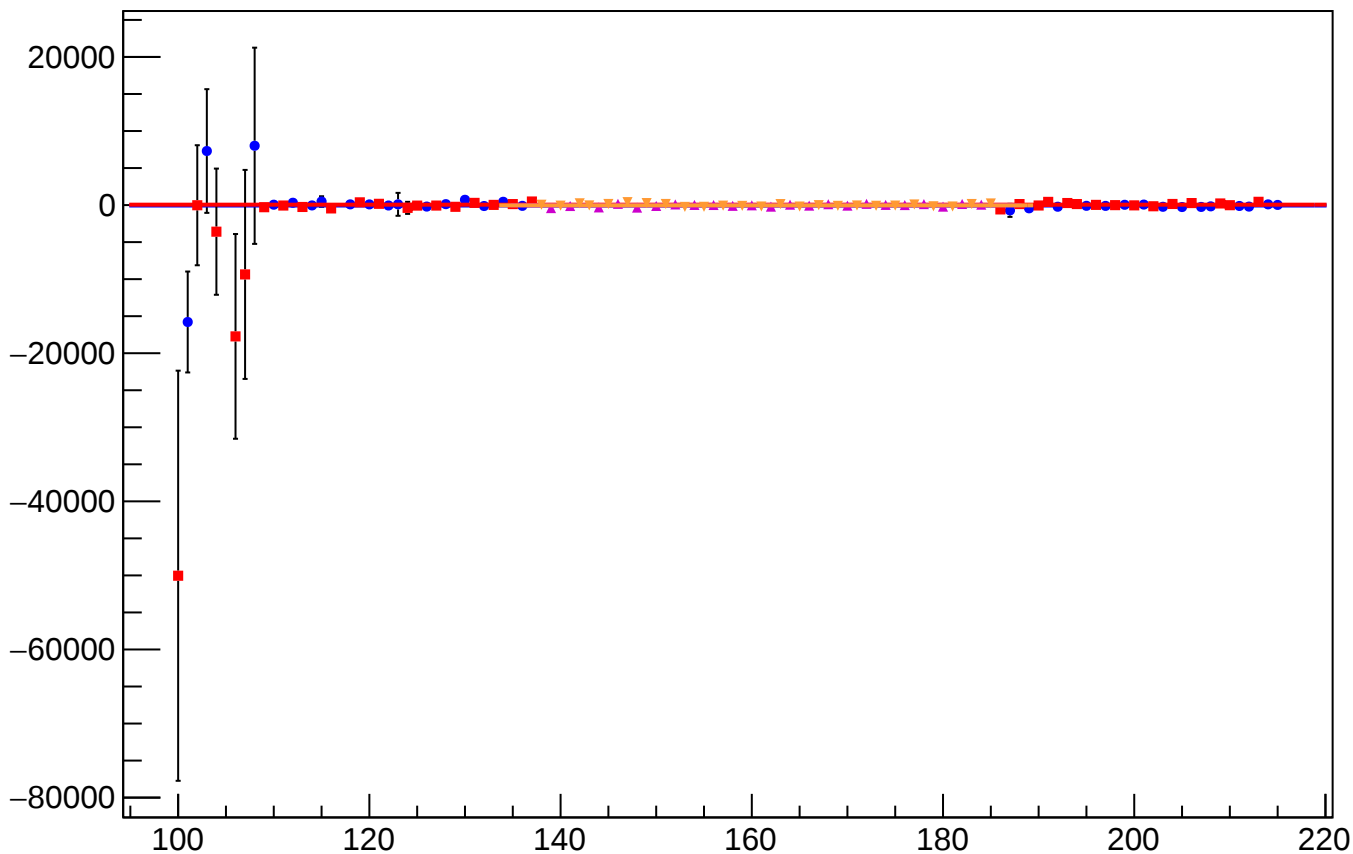
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF: 417739.4/22

+ sign 2.770 $\pm$ 0.002 χ^2 /NDF: 67800825.4/56

All: 2.732 $\pm$ 0.001 χ^2 /NDF: 132618725.0/113

- sign 2.698 $\pm$ 0.001 χ^2 /NDF: 64816816.8/56

asym_cav4cQ_mean vs Slug



Right In: -58.544+/-47.096 χ^2 /NDF: 22.0/31

Left Out: -38.013+/-49.628 χ^2 /NDF: 9.3/24

Right Out: 55.982+/-48.417 χ^2 /NDF: 24.1/33

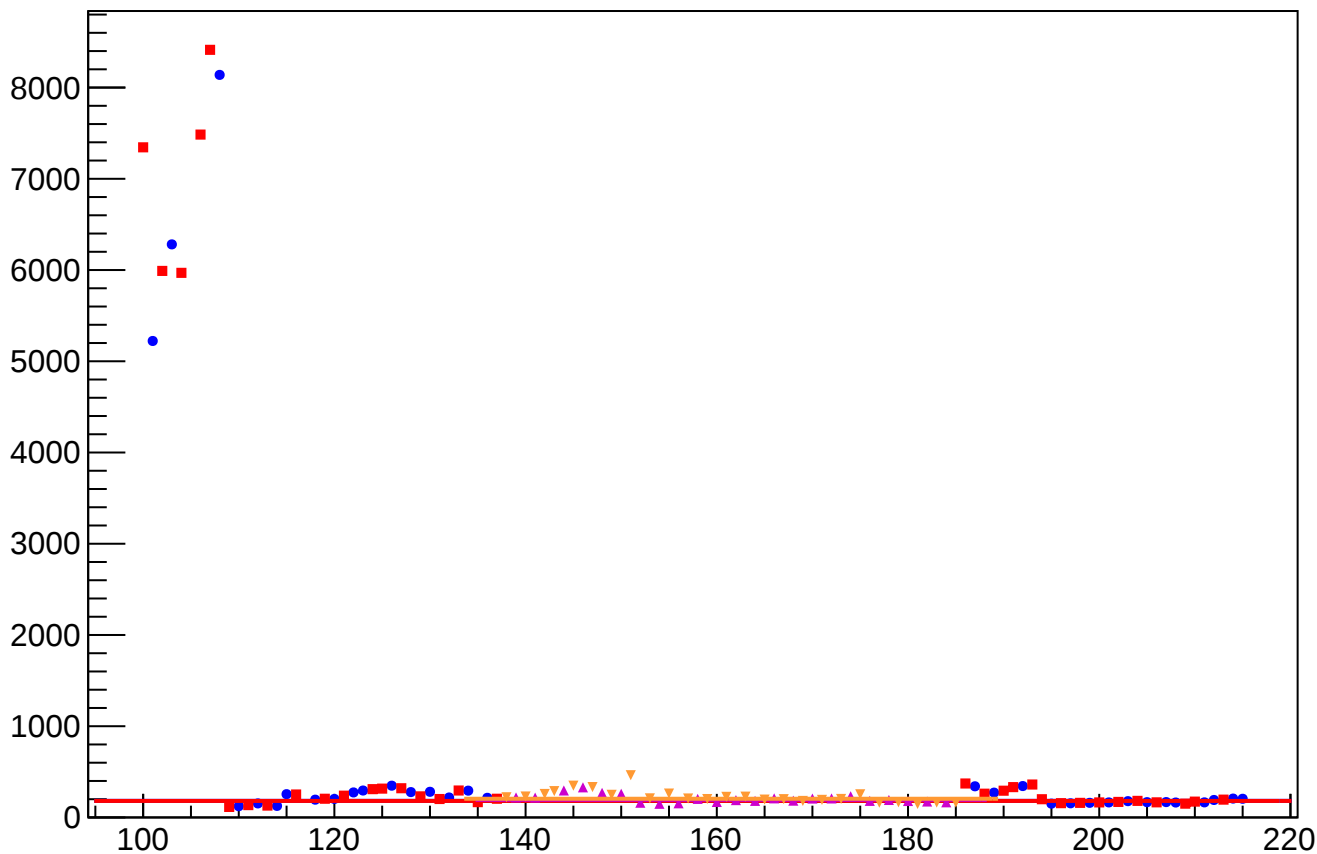
Left In: -28.205+/-48.167 χ^2 /NDF: 9.2/22

+ sign -48.816+/-34.162 χ^2 /NDF: 31.4/56

All: -17.559+/-24.151 χ^2 /NDF: 67.9/113

- sign 13.670+/-34.147 χ^2 /NDF: 34.8/56

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: 181.063 $\pm$ 0.034 χ^2 /NDF: 5425244.1/33

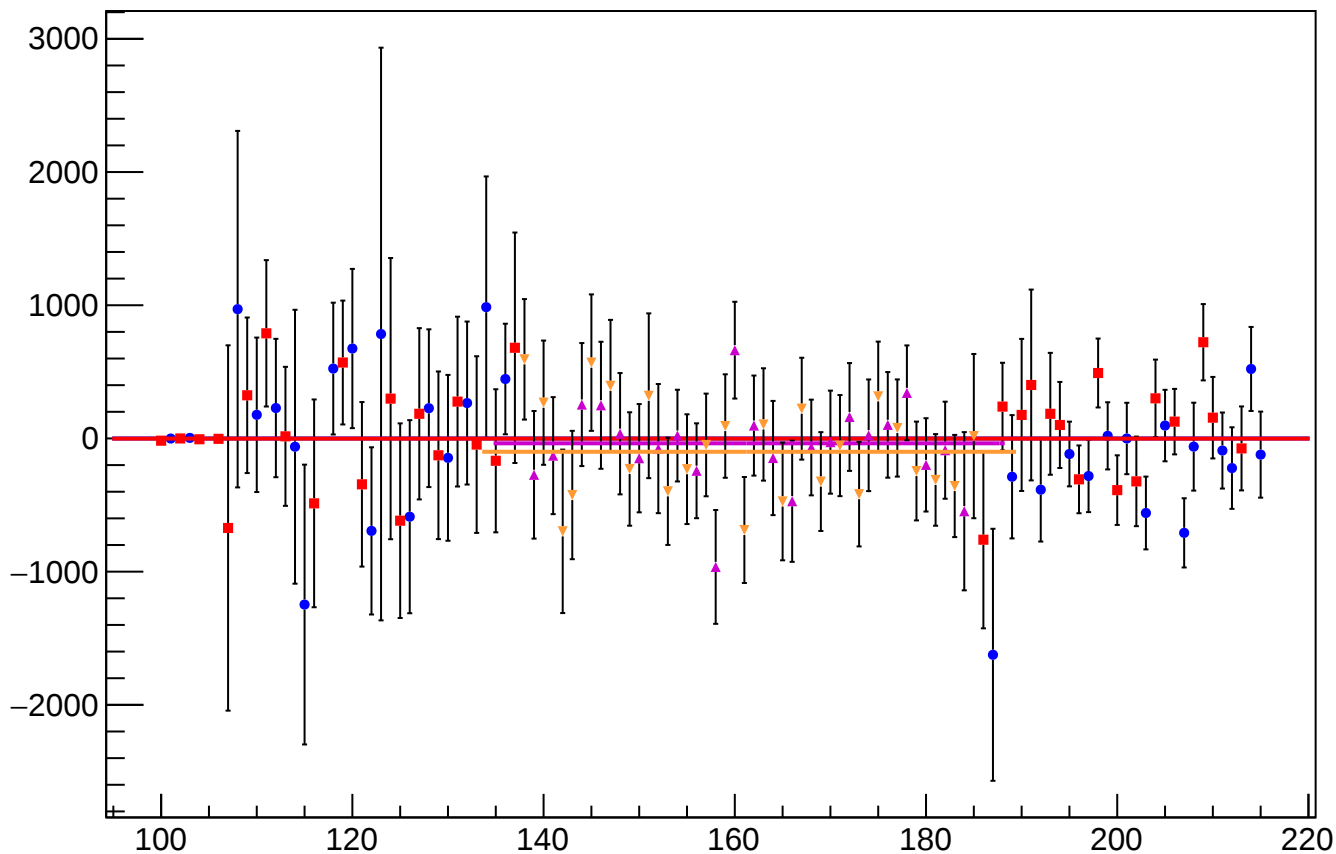
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 192.913 $\pm$ 0.024 χ^2 /NDF: 6763188.0/56

All: 190.088 $\pm$ 0.017 χ^2 /NDF: 13453259.3/13

- sign 187.266 $\pm$ 0.024 χ^2 /NDF: 6662728.5/56

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: -1.287 ± 1.622 χ^2/NDF : 28.1/33

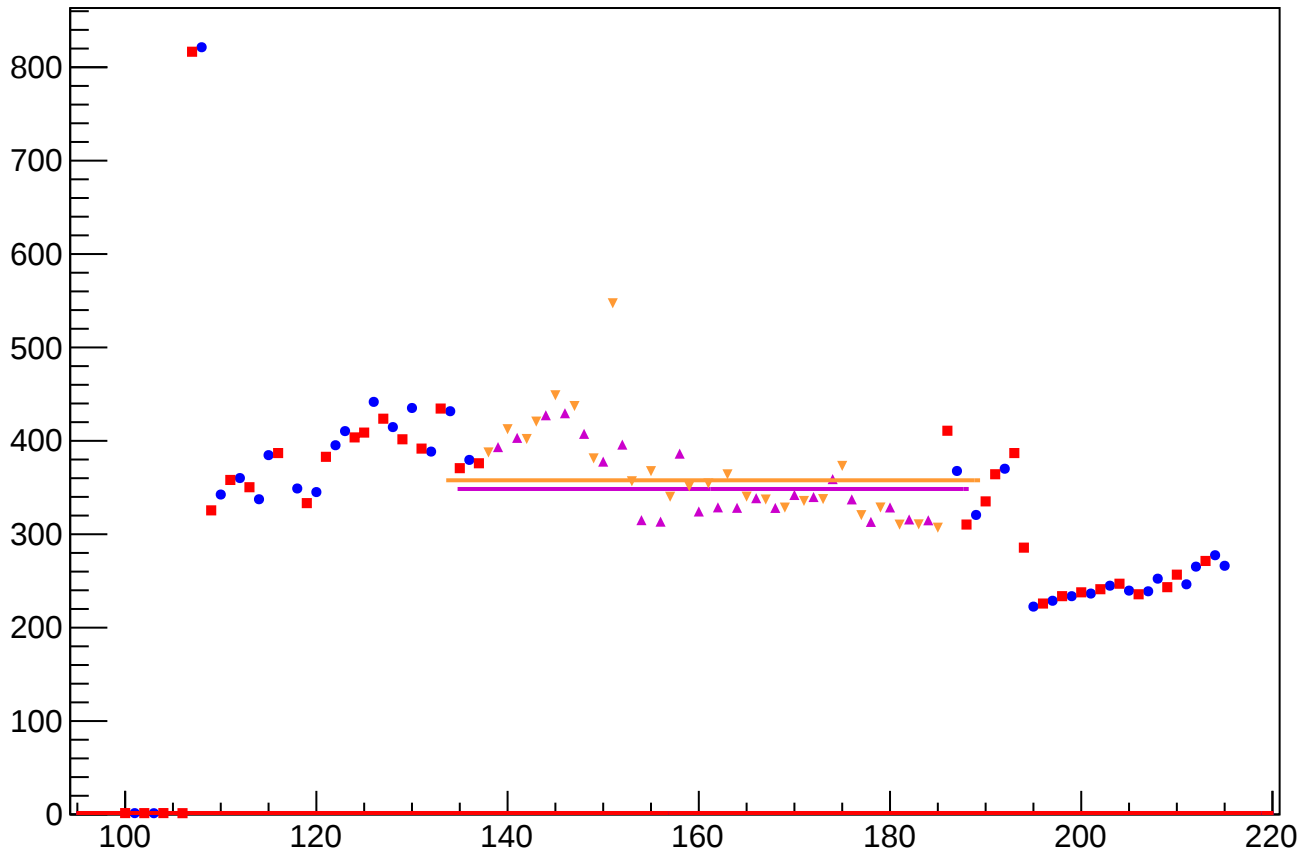
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.266 ± 1.736 χ^2/NDF : 48.1/56

All: -0.818 ± 1.185 χ^2/NDF : 90.1/113

- sign -1.300 ± 1.622 χ^2/NDF : 41.8/56

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: 1.550 ± 0.001 χ^2/NDF : 30866512.3/33

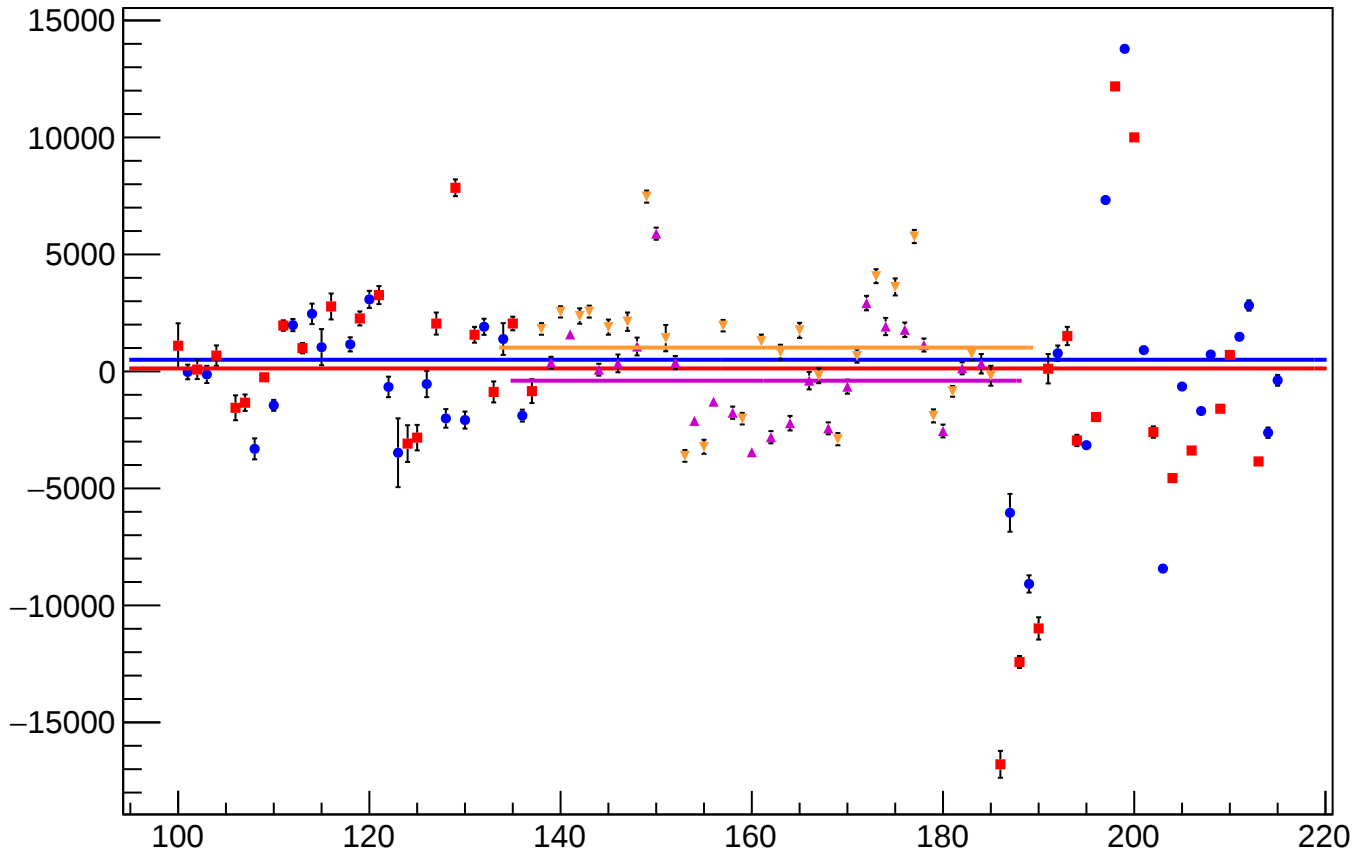
Left In: 348.464 ± 0.060 χ^2/NDF : 360425.7/22

+ sign 1.729 ± 0.001 χ^2/NDF : 68408540.6/56

All: 1.702 ± 0.001 χ^2/NDF : 133194759.4/113

- sign 1.678 ± 0.001 χ^2/NDF : 64785264.3/56

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: 127.454 $\pm$ 47.145 χ^2 /NDF: 13691.2/33

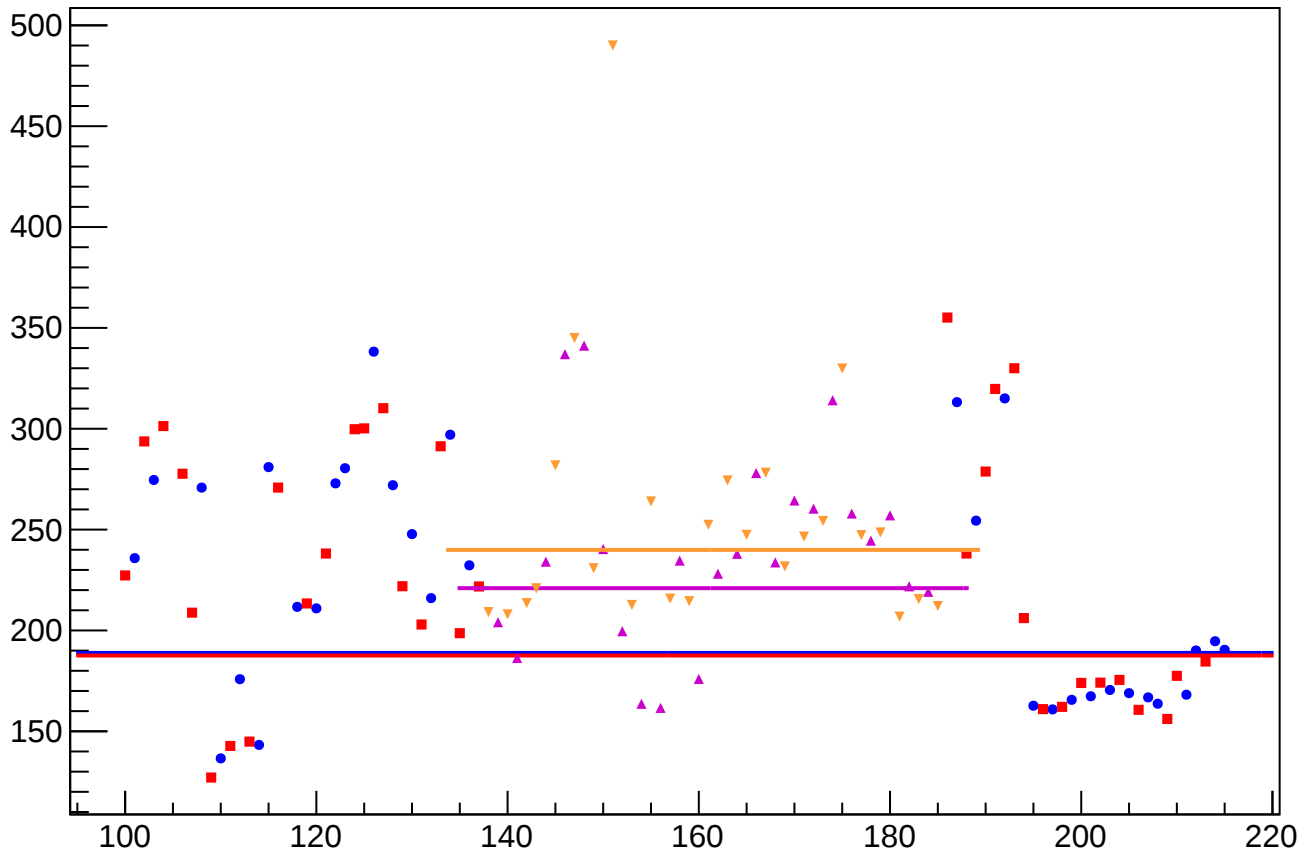
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF: 1581.0/22

+ sign 705.748 $\pm$ 36.191 χ^2 /NDF: 13532.6/56

All: 301.698 $\pm$ 25.459 χ^2 /NDF: 29103.8/113

- sign -94.097 $\pm$ 35.819 χ^2 /NDF: 15324.5/56

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: 187.576+/-0.033 χ^2/NDF : 2121642.2/33

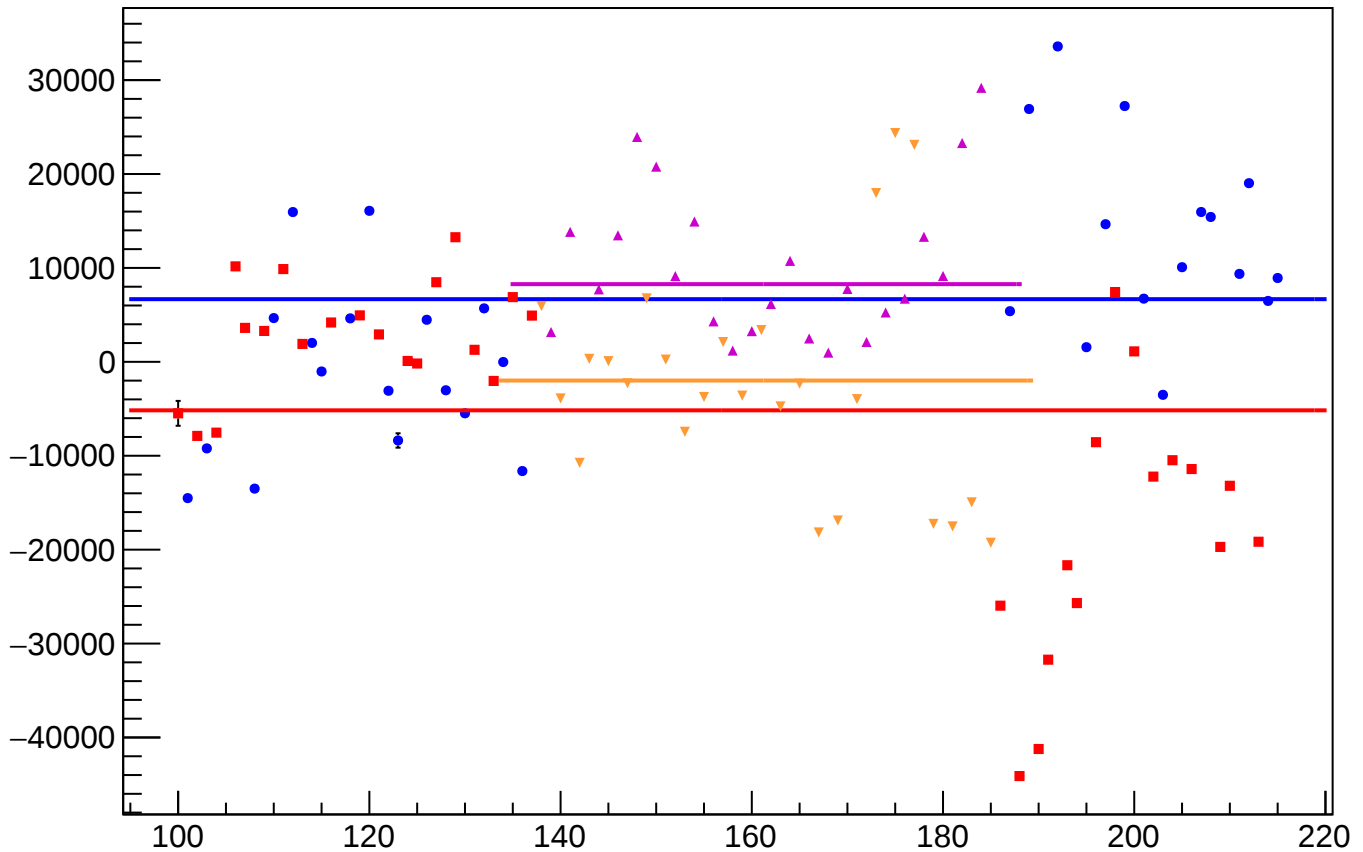
Left In: 220.972+/-0.039 χ^2/NDF :1327680.6/22

+ sign 209.172+/-0.026 χ^2/NDF : 3501779.0/56

All: 205.395+/-0.018 χ^2/NDF : 7418490.0/113

- sign 201.694+/-0.025 χ^2/NDF : 3873572.7/56

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

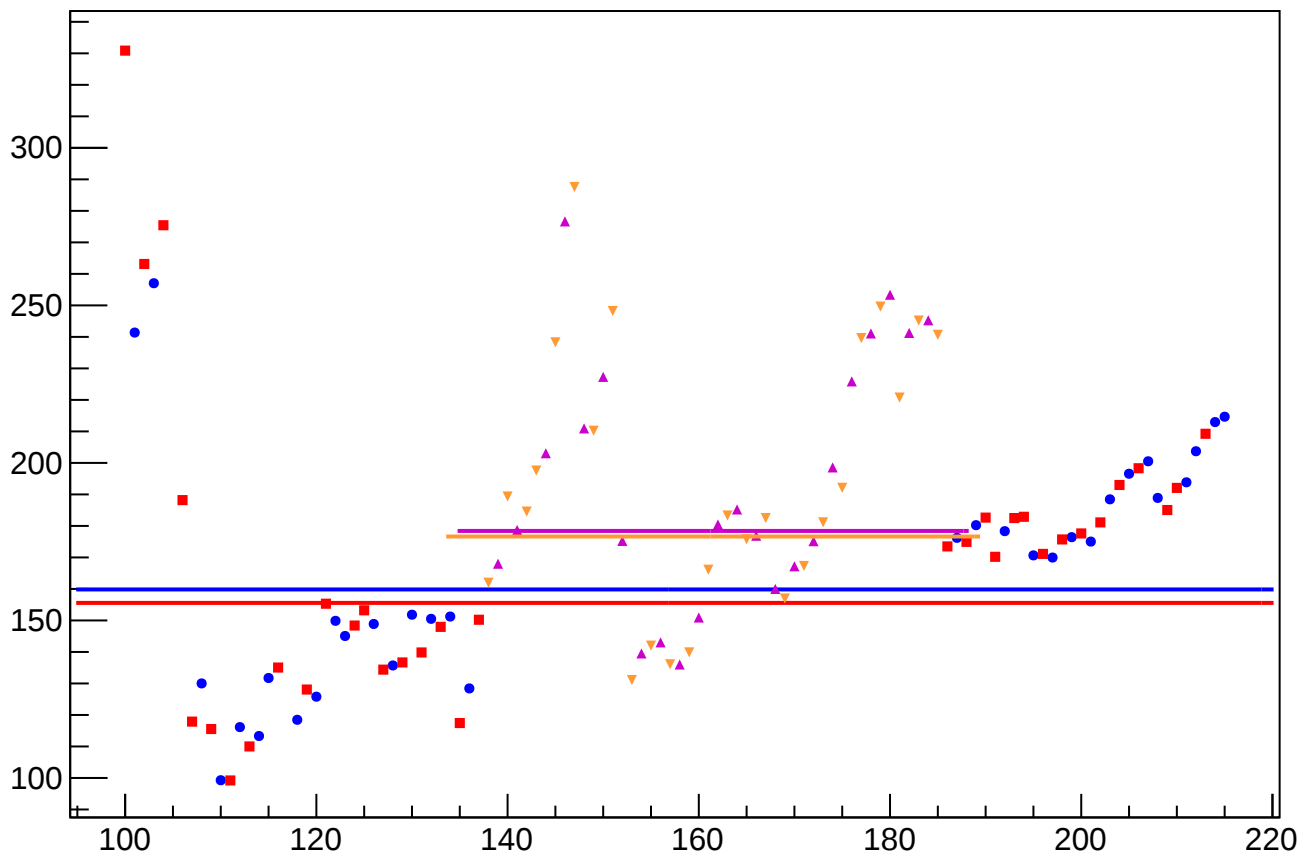
Right Out: -5164.569+/-38.756 χ^2/NDF : 144038.9/33

All: 1653.647+/-20.555 χ^2/NDF : 401126.2/11

- sign 661.138+/-29.169 χ^2/NDF : 219028.6/56

Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

asym_bpm0i02WS_rms vs Slug



Right In: 159.839+/-0.028 χ^2/NDF : 1625934.8/31

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 155.571+/-0.027 χ^2/NDF : 1731052.3/33

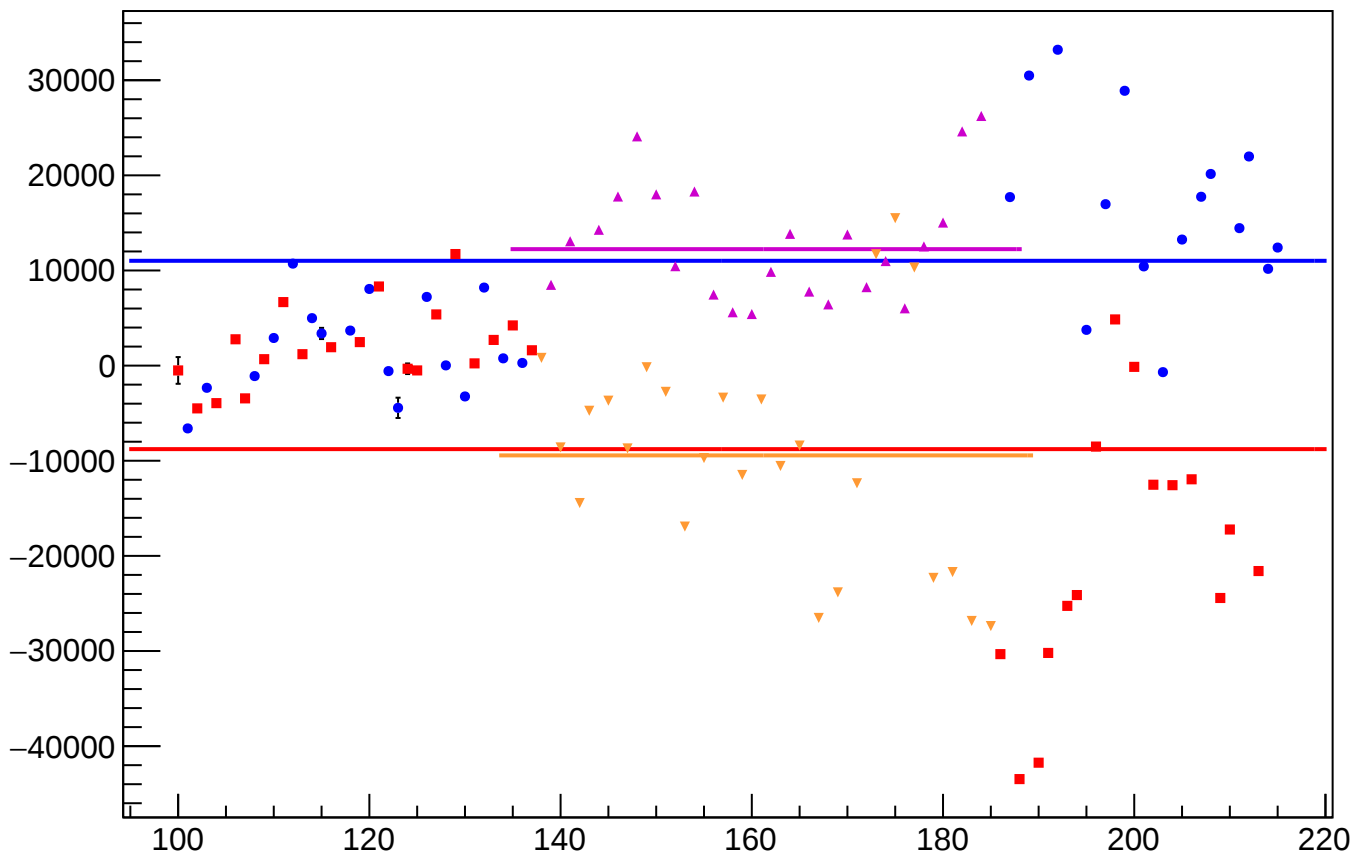
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 167.673+/-0.020 χ^2/NDF : 3344390.1/56

All: 166.581+/-0.015 χ^2/NDF : 6676088.4/113

- sign 165.474+/-0.021 χ^2/NDF : 3325975.9/56

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: -8778.623 $\pm$ 42.880 χ^2 /NDF: 115696.0/33

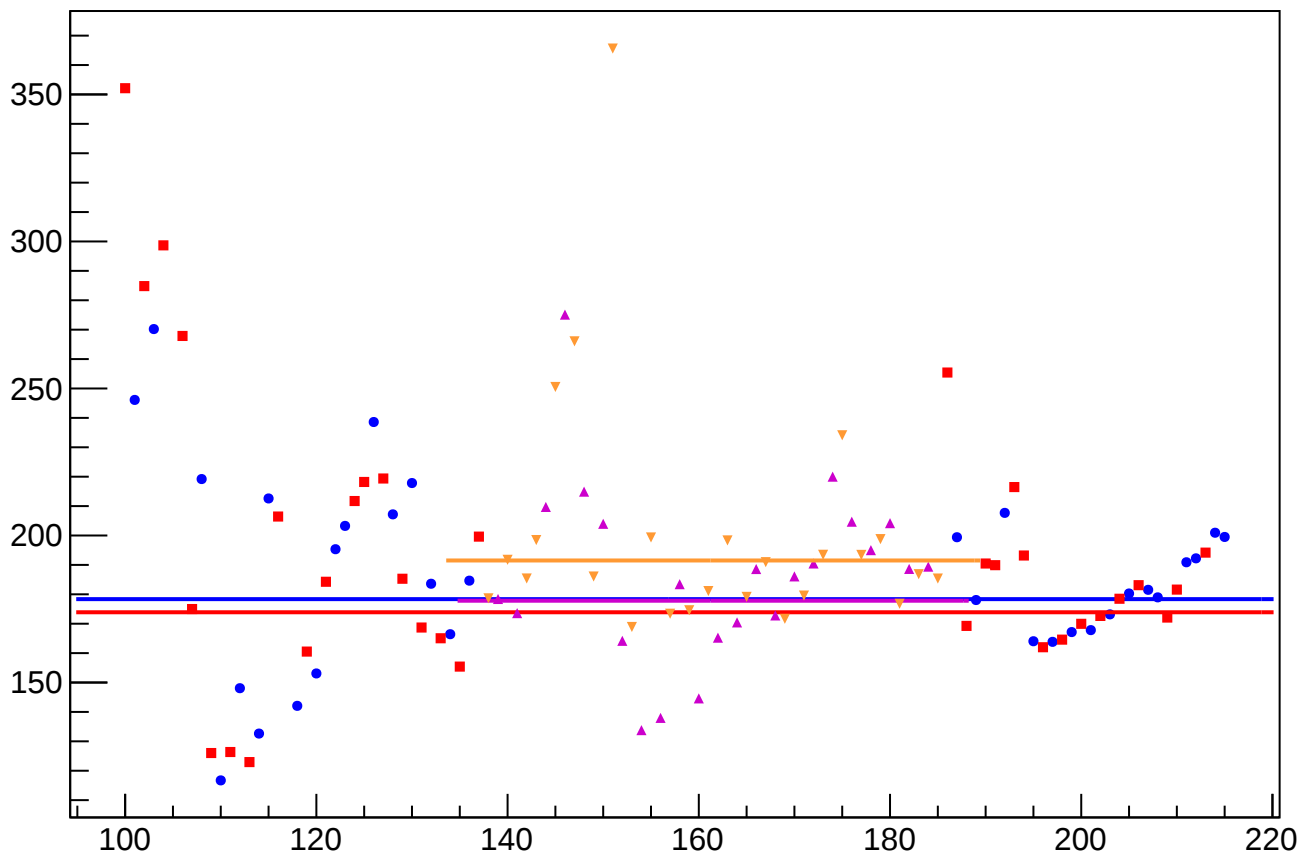
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF: 16615.8/22

+ sign 1238.660 $\pm$ 31.484 χ^2 /NDF: 222719.8/56

All: 1359.415 $\pm$ 21.976 χ^2 /NDF: 472274.5/11

- sign 1474.160 $\pm$ 30.690 χ^2 /NDF: 249526.0/56

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: 173.891+/-0.030 χ^2/NDF : 1151604.9/33

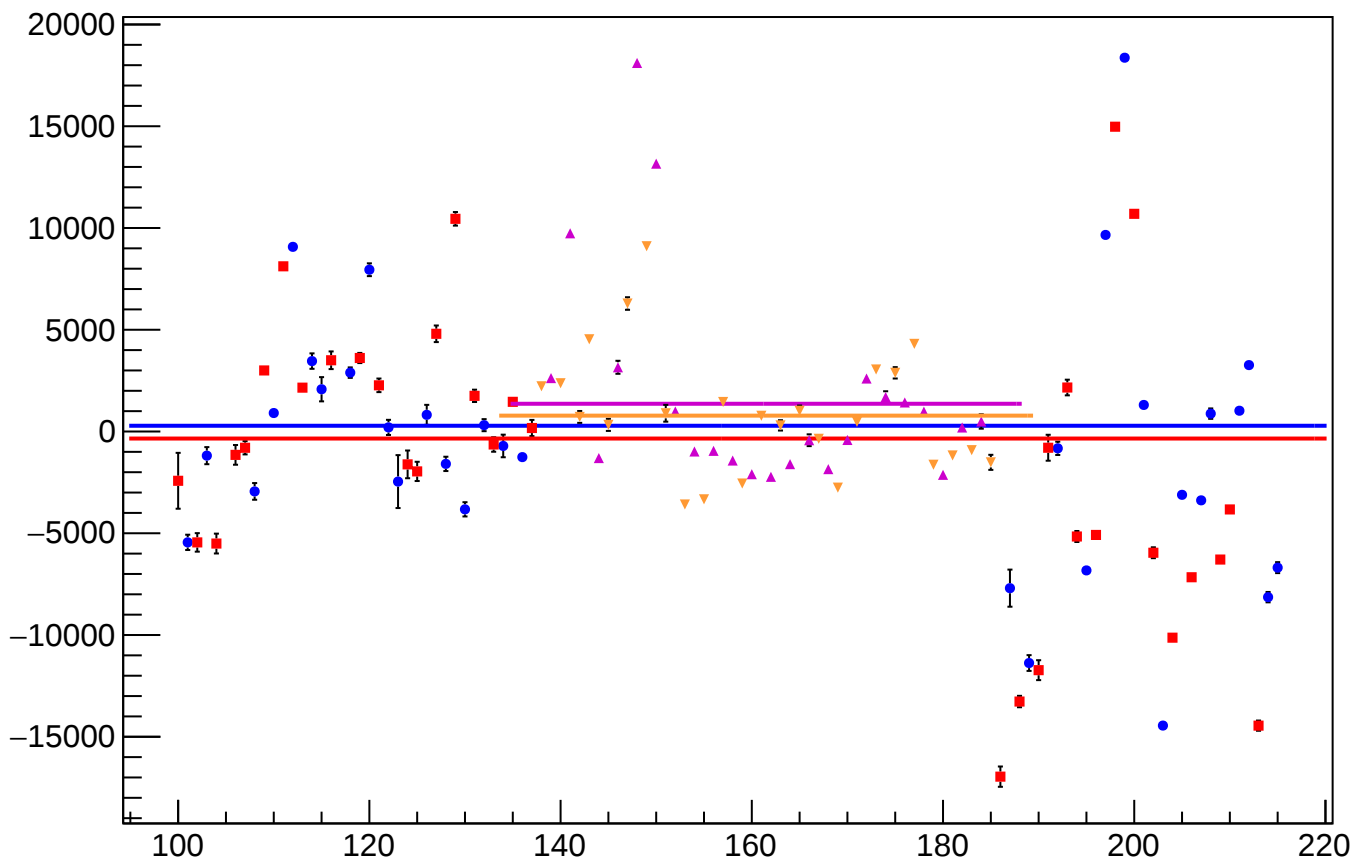
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 184.645+/-0.022 χ^2/NDF : 1633453.4/56

All: 180.114+/-0.016 χ^2/NDF : 3736547.4/113

- sign 175.808+/-0.022 χ^2/NDF : 2022296.3/56

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: -345.795 ± 48.260 $\chi^2/\text{NDF}: 24948.3/33$

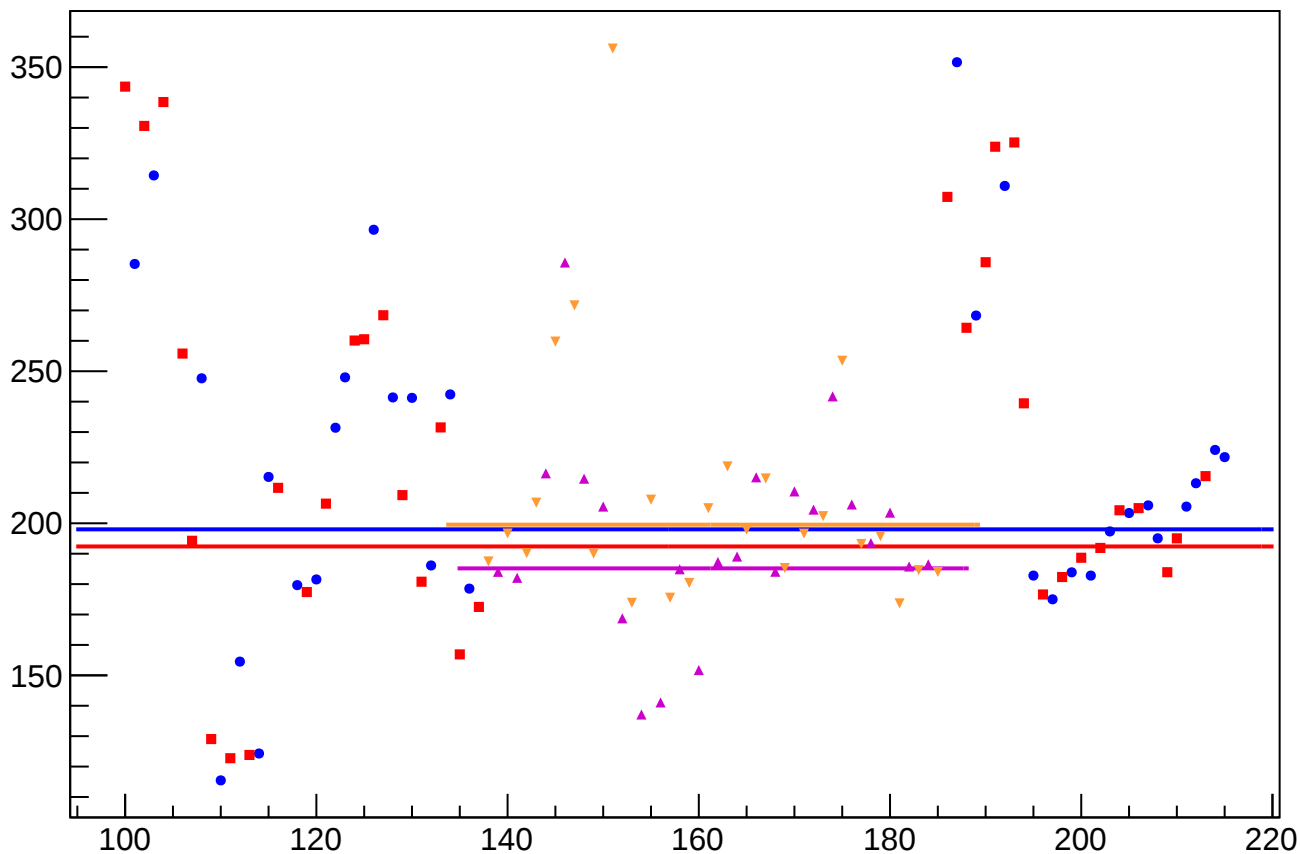
Left In: 1363.043 ± 45.807 $\chi^2/\text{NDF}: 11632.9/22$

+ sign 538.201 ± 34.026 $\chi^2/\text{NDF}: 26643.4/56$

All: 545.859 ± 23.771 $\chi^2/\text{NDF}: 63884.3/113$

- sign 553.160 ± 33.224 $\chi^2/\text{NDF}: 37240.8/56$

asym_bpm0i05WS_rms vs Slug



Right In: 198.008 $\pm$ 0.035 χ^2 /NDF: 1468370.0/31

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 192.384 $\pm$ 0.034 χ^2 /NDF: 2162853.9/33

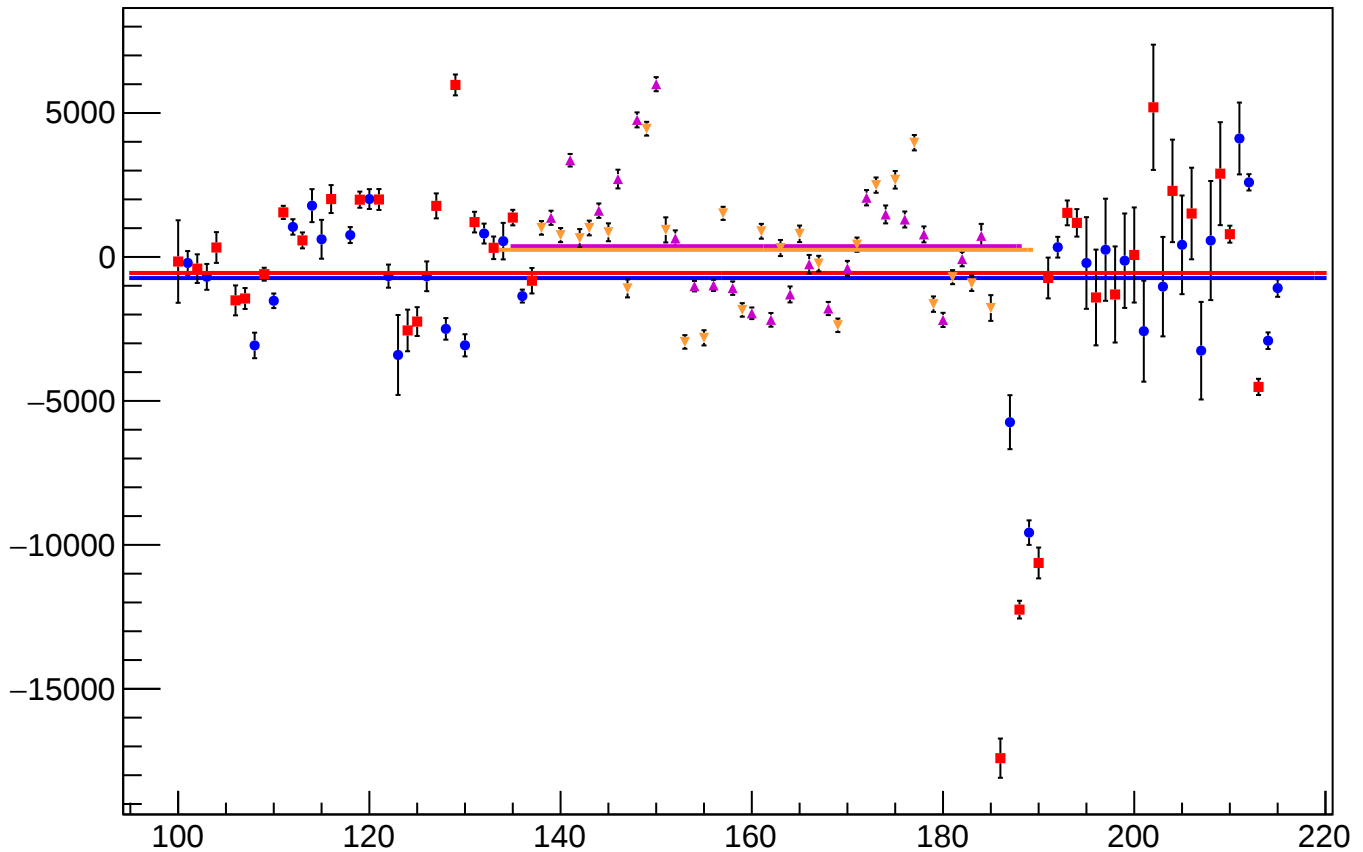
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 198.799 $\pm$ 0.024 χ^2 /NDF: 2198747.3/56

All: 193.572 $\pm$ 0.017 χ^2 /NDF: 5360044.6/113

- sign 188.589 $\pm$ 0.023 χ^2 /NDF: 3069113.8/56

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: -555.028 ± 70.319 χ^2/NDF : 3400.3/33

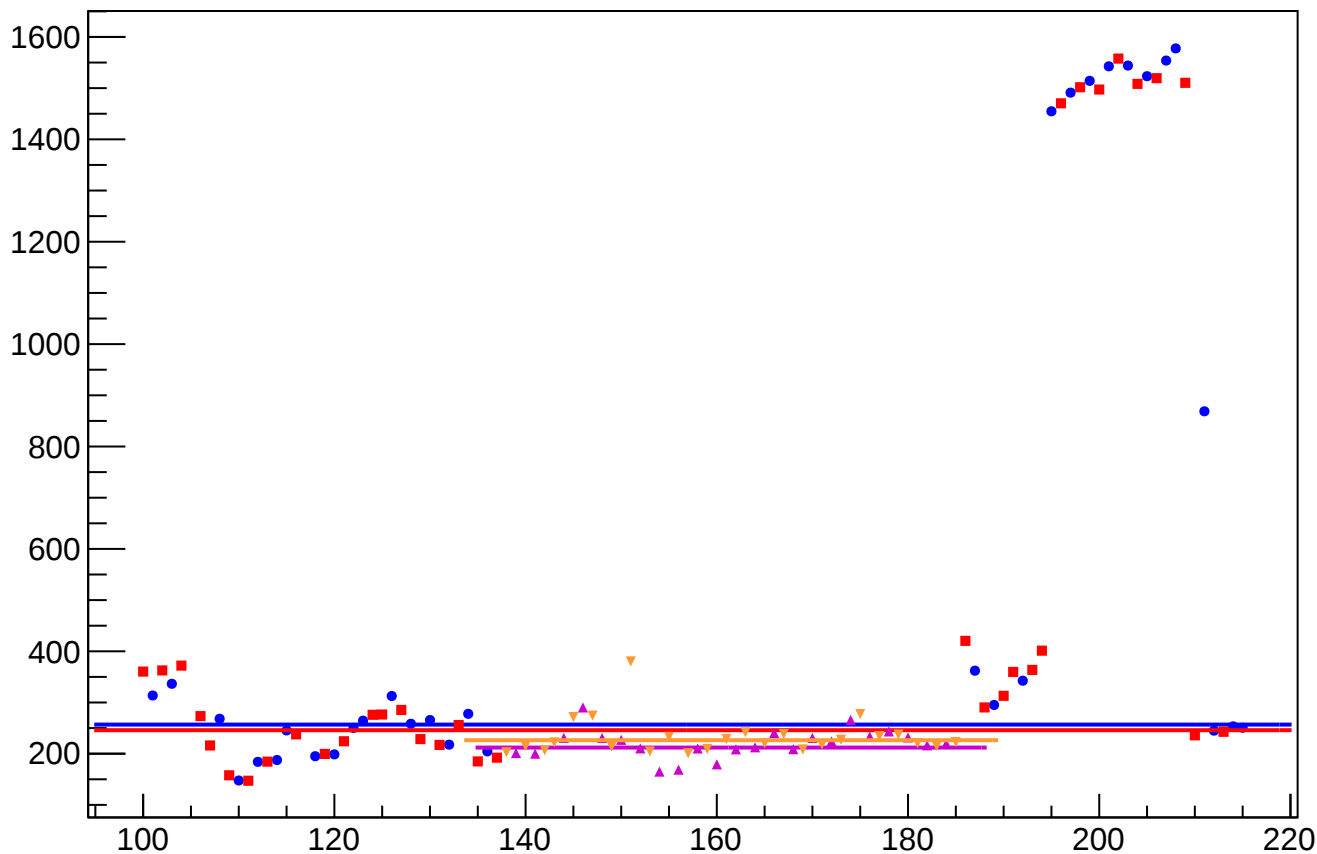
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -86.089 ± 43.499 χ^2/NDF : 2446.6/56

All: -17.863 ± 30.153 χ^2/NDF : 7765.5/113

- sign 45.245 ± 41.835 χ^2/NDF : 5314.1/56

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: 245.898 $\pm$ 0.050 χ^2 /NDF: 9273307.6/33

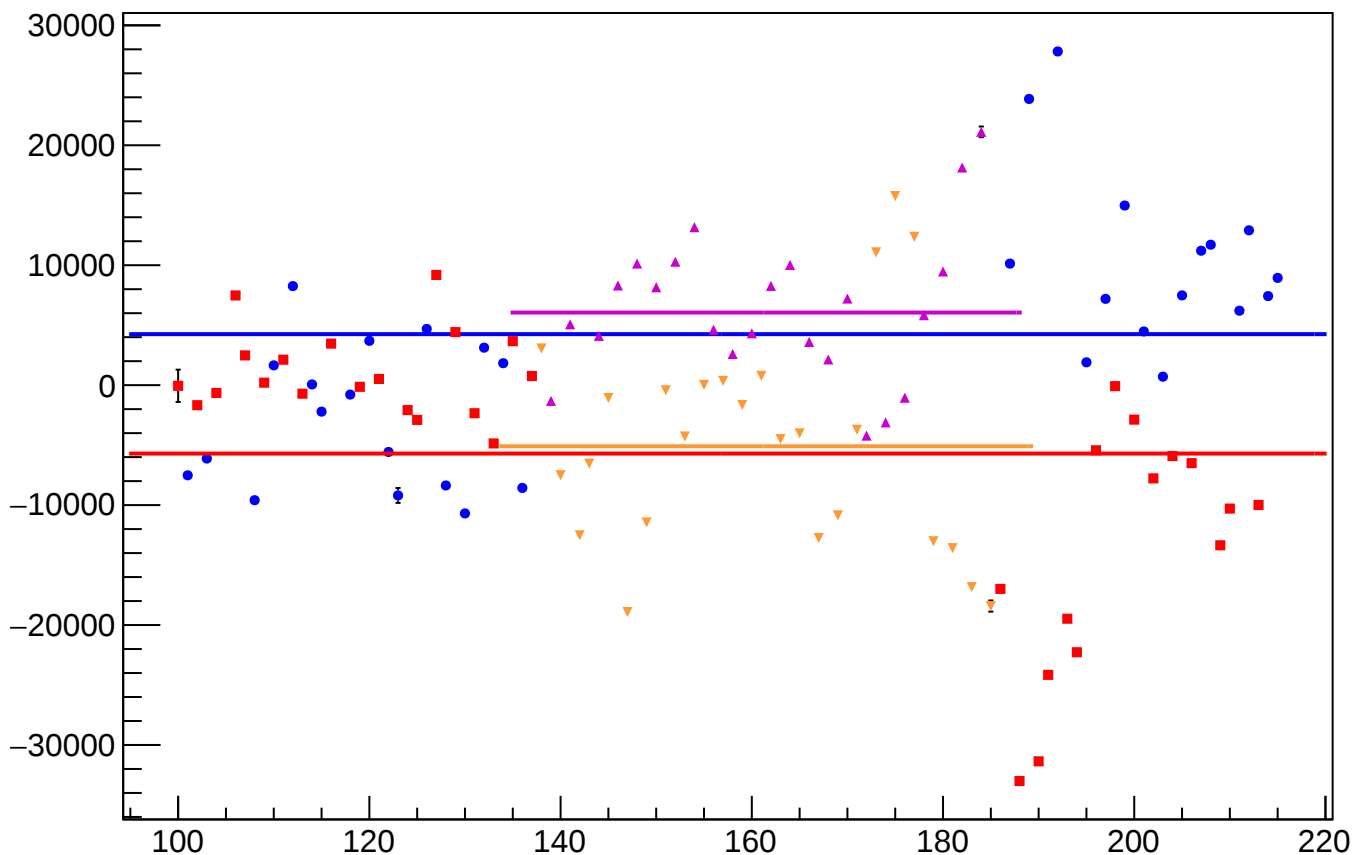
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 236.705 $\pm$ 0.031 χ^2 /NDF: 10888959.7/56

All: 230.094 $\pm$ 0.021 χ^2 /NDF: 21136339.0/11

- sign 223.979 $\pm$ 0.030 χ^2 /NDF: 10158448.2/56

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: -5703.034 ± 32.712 $\chi^2/\text{NDF}: 103898.9/33$

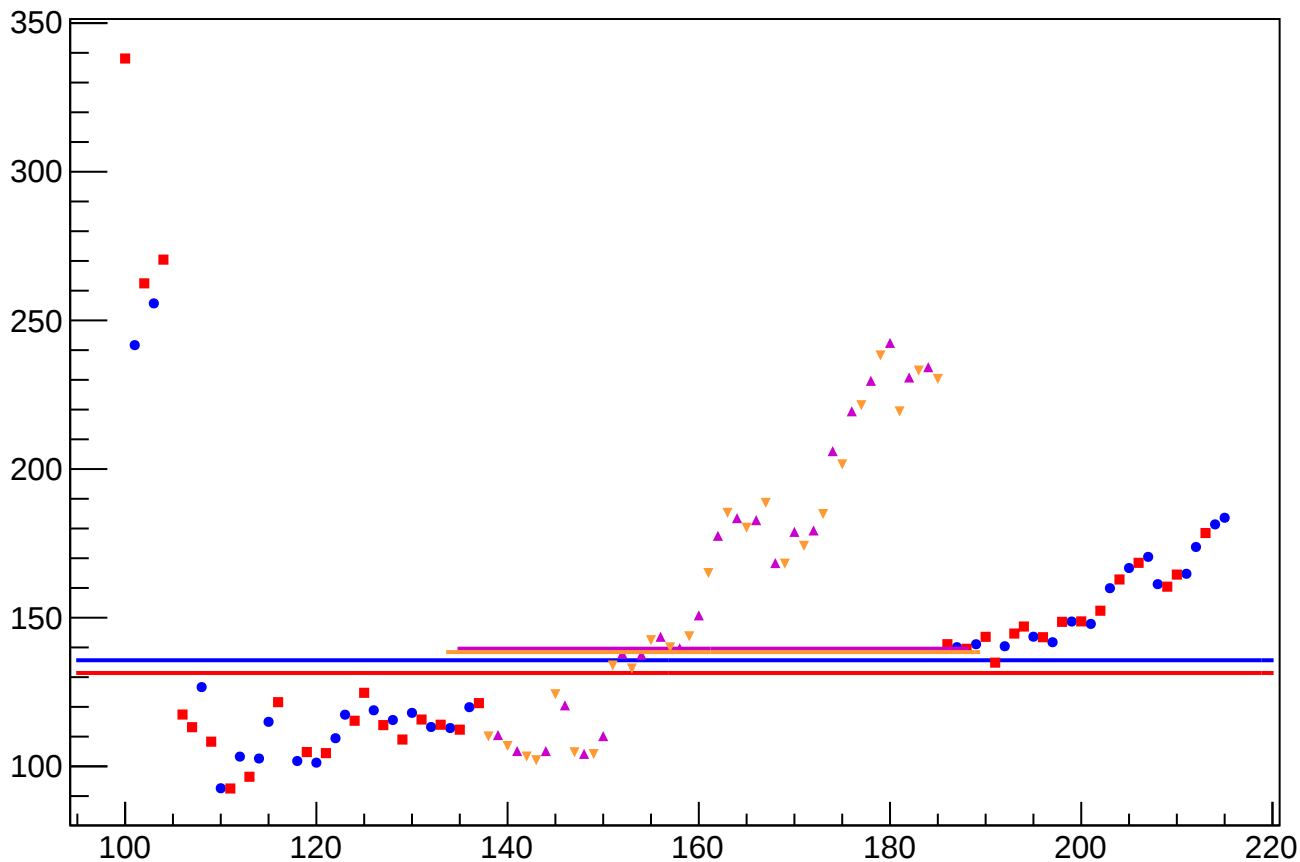
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -423.394 ± 23.837 $\chi^2/\text{NDF}: 172965.1/56$

All: -322.592 ± 16.877 $\chi^2/\text{NDF}: 354717.9/11$

- sign -221.271 ± 23.898 $\chi^2/\text{NDF}: 181717.0/56$

asym_bpm1i02WS_rms vs Slug



Right In: 135.684+/-0.024 χ^2/NDF : 1632037.2/31

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 131.408+/-0.023 χ^2/NDF : 1585555.3/33

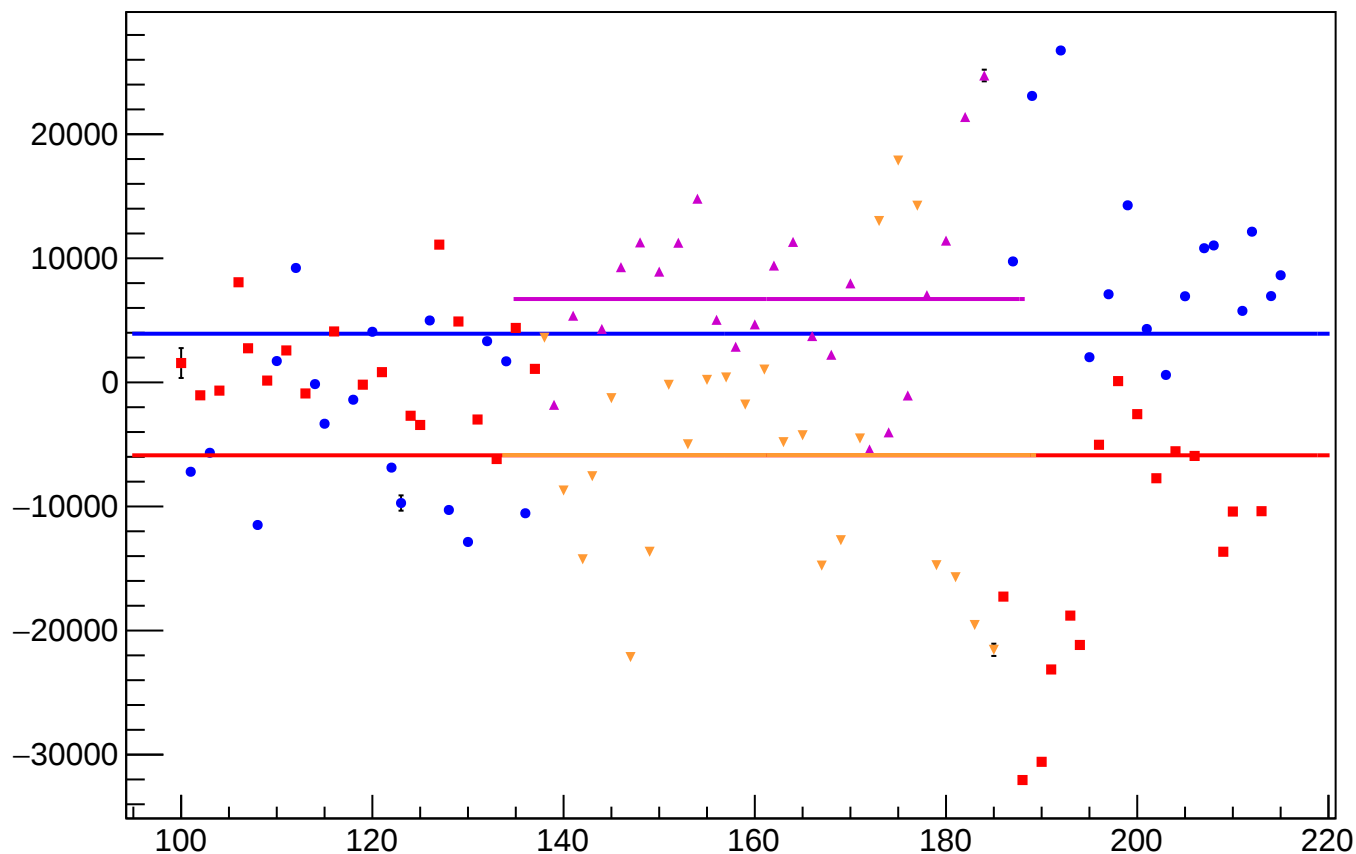
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 137.060+/-0.017 χ^2/NDF : 4188136.2/56

All: 136.141+/-0.012 χ^2/NDF : 8251489.0/113

- sign 135.217+/-0.017 χ^2/NDF : 4057388.1/56

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: -5876.653 ± 32.830 $\chi^2/\text{NDF}: 104675.2/33$

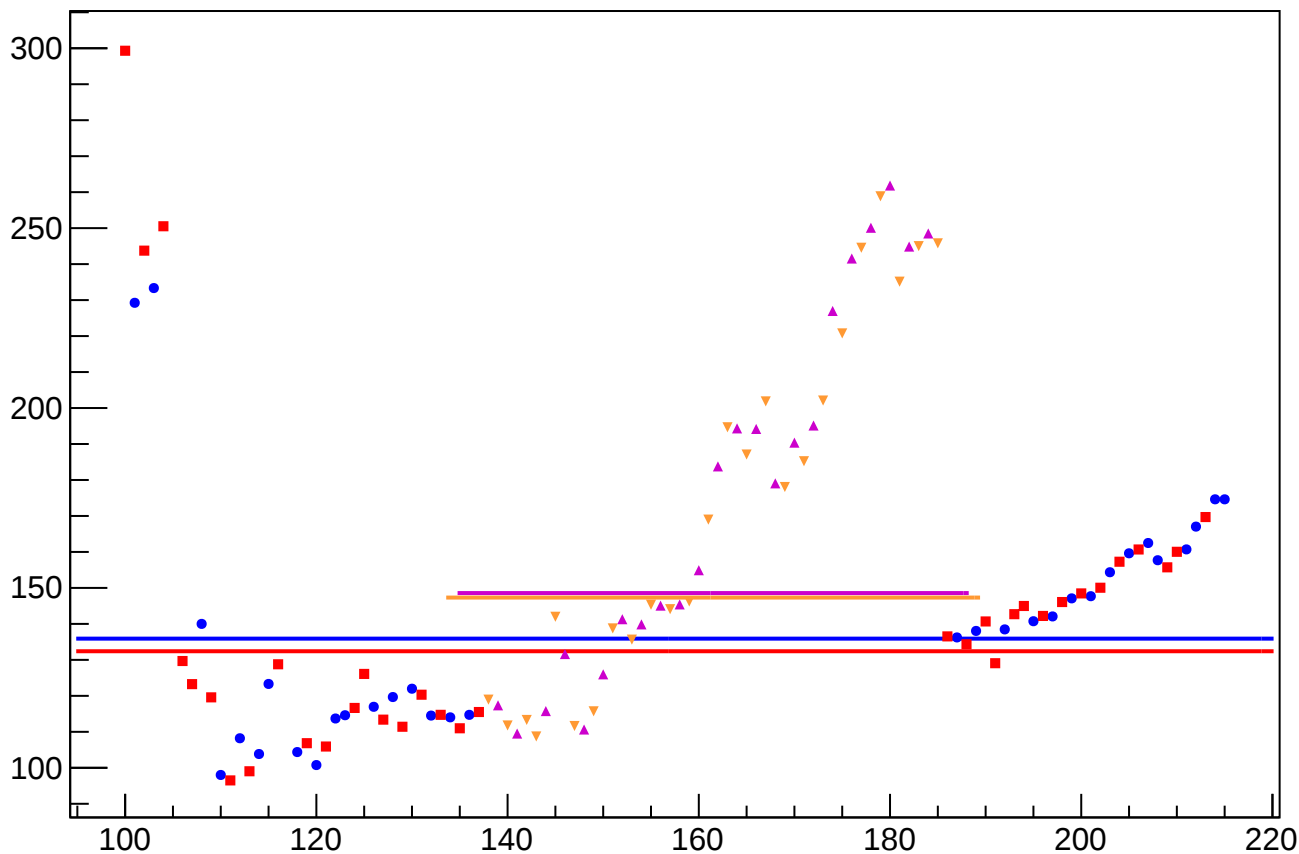
Left In: 6718.475 ± 37.276 $\chi^2/\text{NDF}: 20934.3/22$

+ sign -650.328 ± 24.541 $\chi^2/\text{NDF}: 188180.4/56$

All: -512.999 ± 17.387 $\chi^2/\text{NDF}: 378149.4/11$

- sign -374.589 ± 24.637 $\chi^2/\text{NDF}: 189906.1/56$

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: 132.398+/-0.023 χ^2/NDF : 1229295.8/33

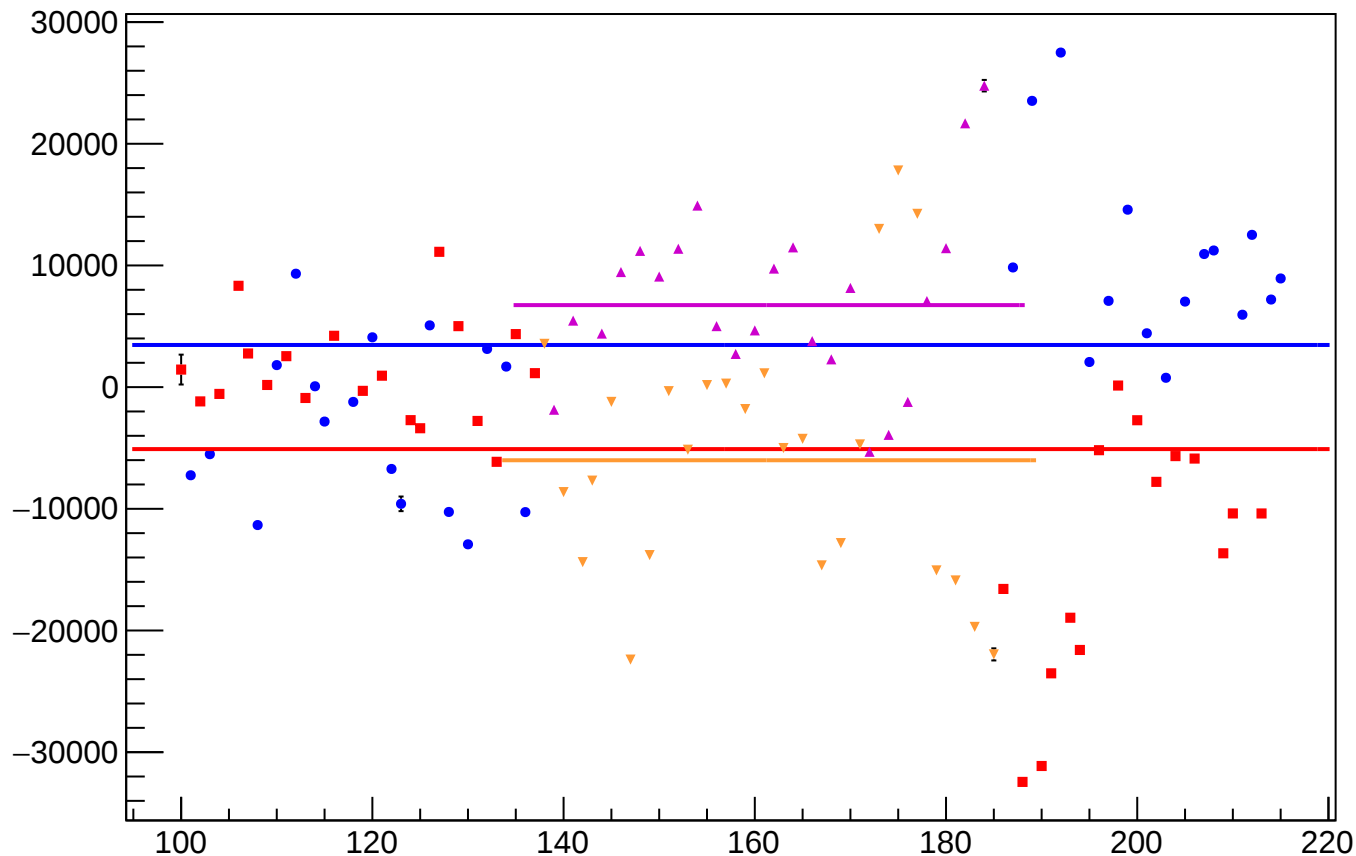
Left In: 148.569+/-0.026 χ^2/NDF :2393185.0/22

+ sign 141.243+/-0.017 χ^2/NDF : 3905082.0/56

All: 140.356+/-0.012 χ^2/NDF : 7744771.0/113

- sign 139.462+/-0.017 χ^2/NDF : 3834443.5/56

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: -5092.440+/-32.820 χ^2/NDF : 99776.9/33

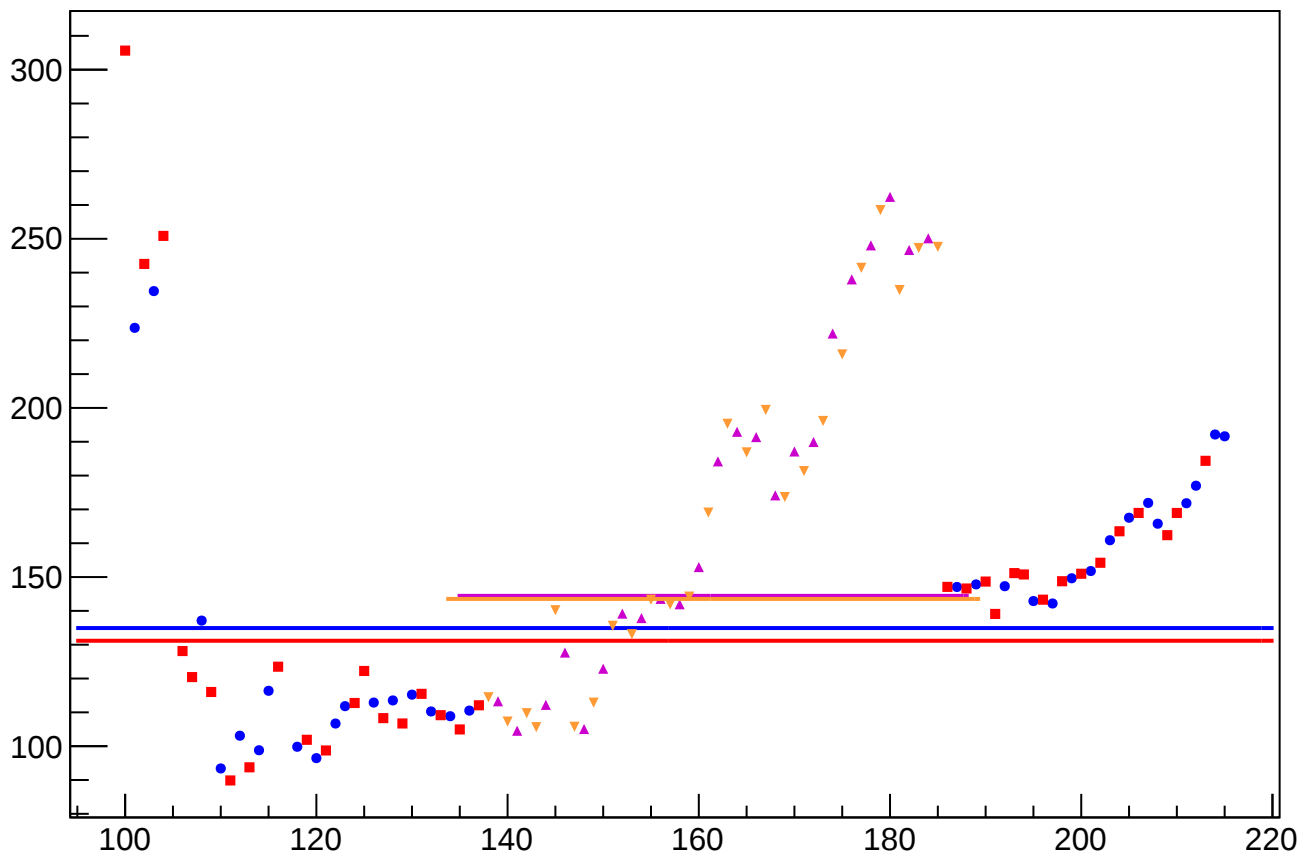
Left In: 6740.666+/-36.379 χ^2/NDF : 22071.8/22

+ sign -1085.005+/-24.311 χ^2/NDF : 190884.8/56

All: -435.550+/-17.211 χ^2/NDF : 372492.7/111

- sign 216.981+/-24.369 χ^2/NDF : 180177.2/56

asym_bpm2i02WS_rms vs Slug



Right In: 134.922+/-0.024 χ^2/NDF : 1824248.1/31

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 131.166+/-0.023 χ^2/NDF : 1731252.3/33

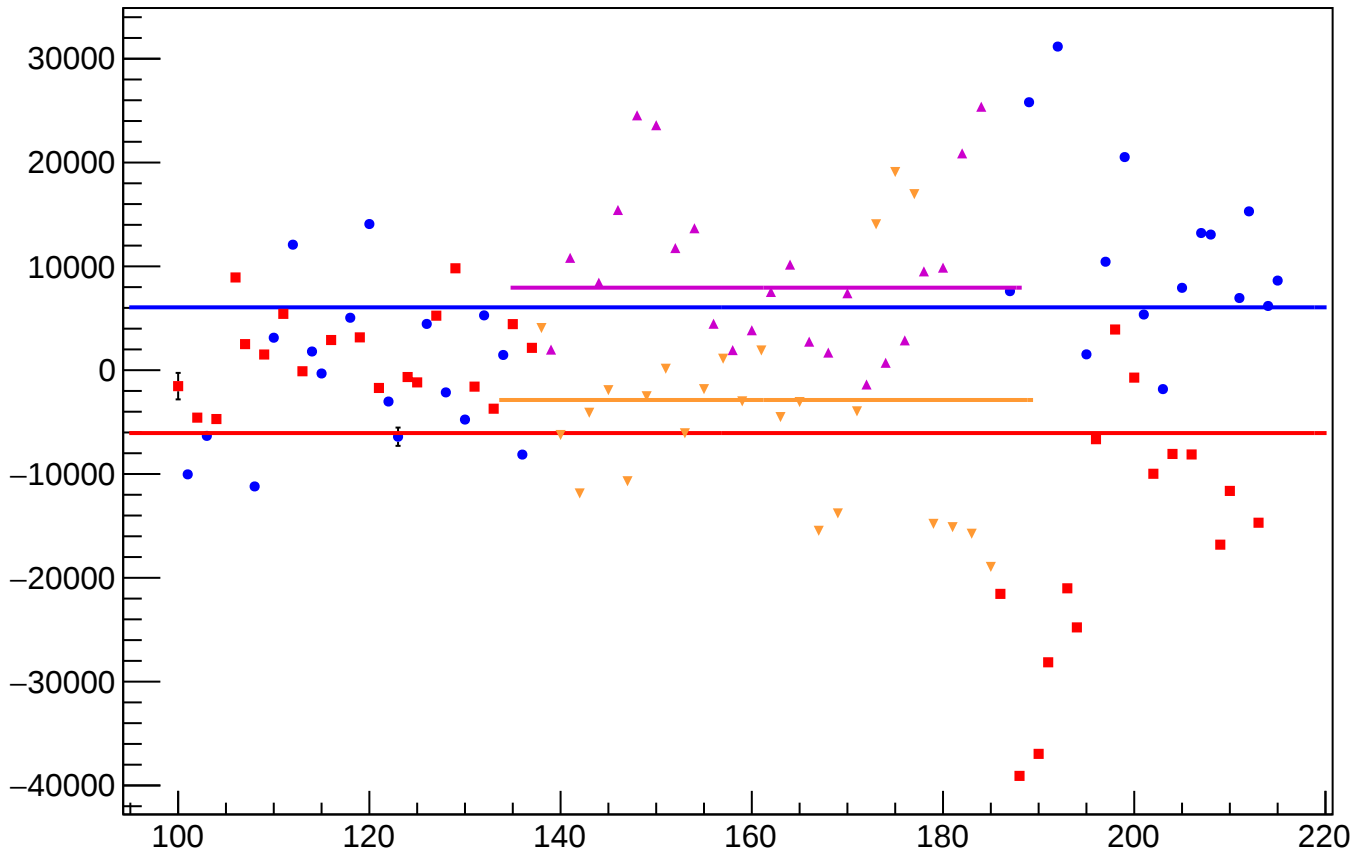
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 139.056+/-0.017 χ^2/NDF : 4591630.2/56

All: 138.091+/-0.012 χ^2/NDF : 9062926.1/113

- sign 137.122+/-0.017 χ^2/NDF : 4464978.2/56

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: -6056.897+/-39.629 χ^2/NDF : 99863.5/33

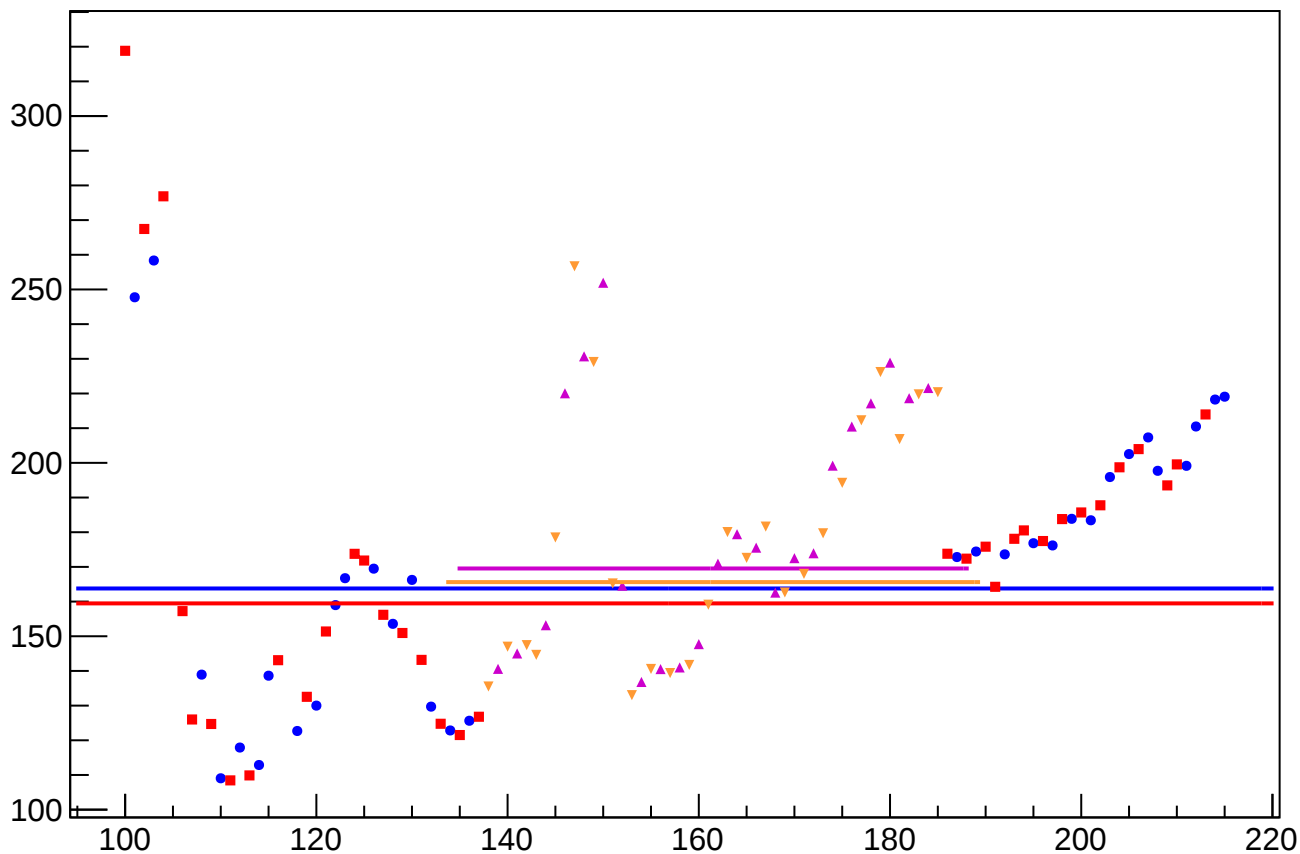
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign 1466.485+/-28.308 χ^2/NDF : 134825.2/56

All: 1032.101+/-20.166 χ^2/NDF : 318263.0/11

- sign 584.511+/-28.735 χ^2/NDF : 182959.7/56

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: 159.475+/-0.028 χ^2/NDF : 1603636.1/33

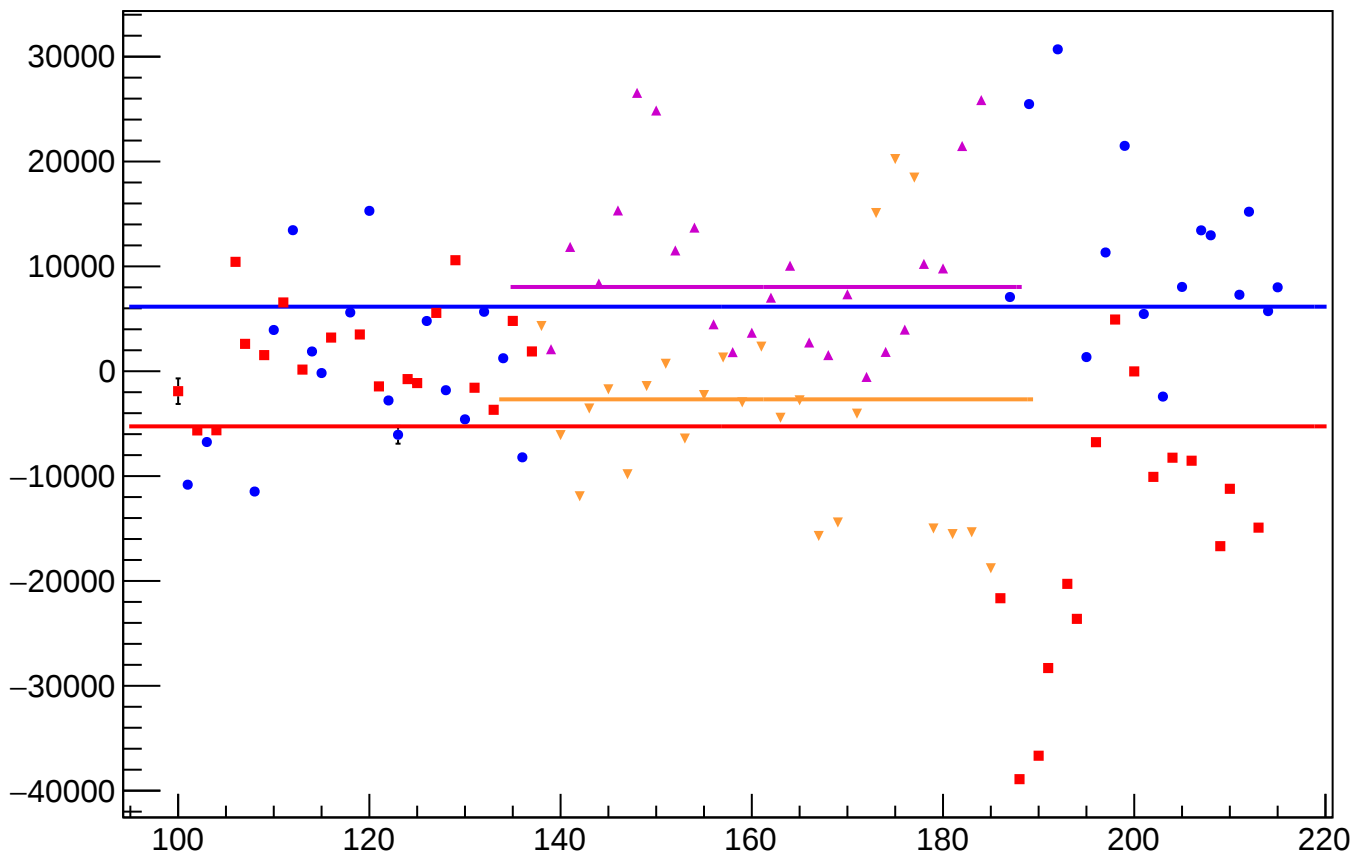
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 164.722+/-0.020 χ^2/NDF : 2796089.8/56

All: 164.489+/-0.014 χ^2/NDF : 5620448.1/113

- sign 164.249+/-0.020 χ^2/NDF : 2824083.1/56

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: -5257.217+/-33.338 χ^2/NDF : 139706.5/33

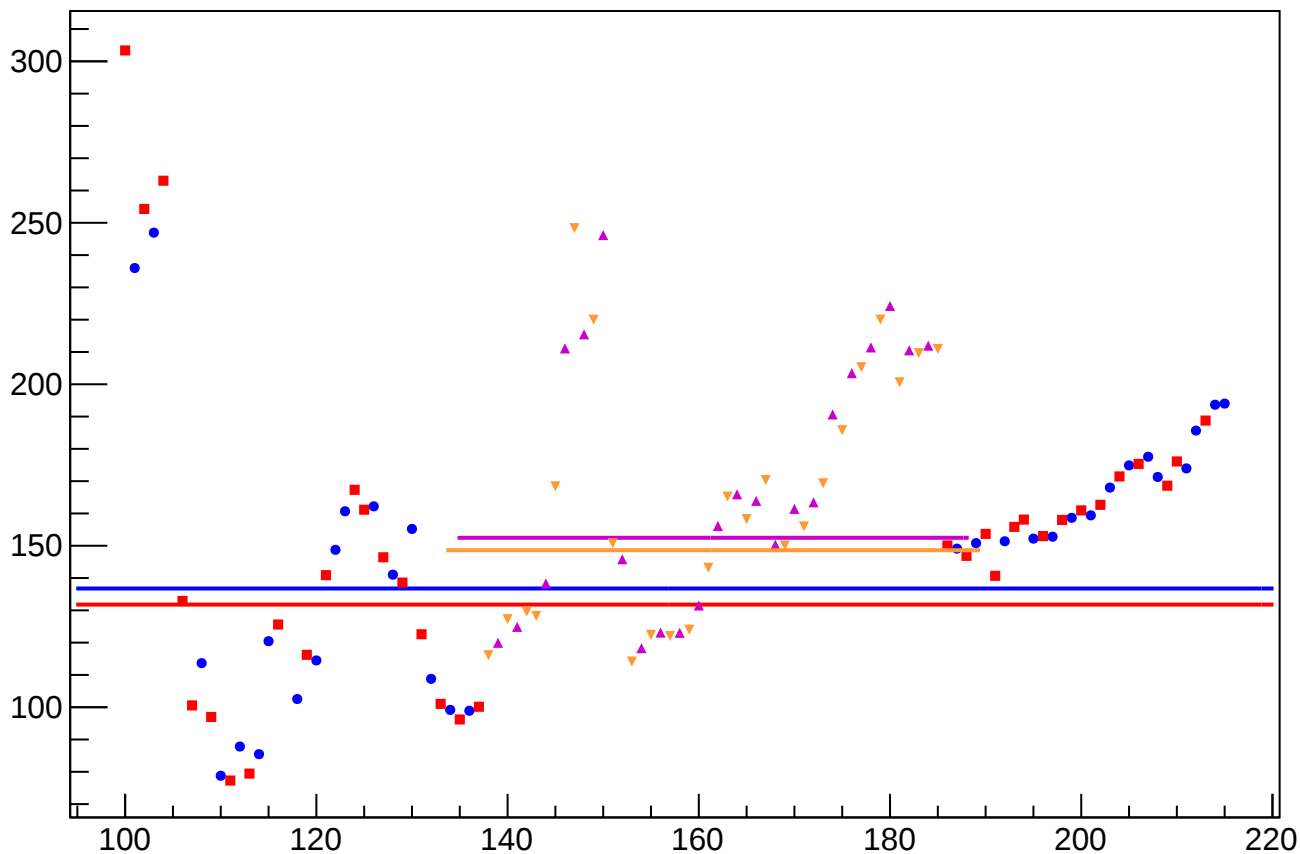
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 1905.492+/-24.805 χ^2/NDF : 177487.3/56

All: 1228.031+/-17.622 χ^2/NDF : 417276.3/11

- sign 537.755+/-25.039 χ^2/NDF : 238283.1/56

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: 131.780+/-0.024 χ^2/NDF : 2552244.7/33

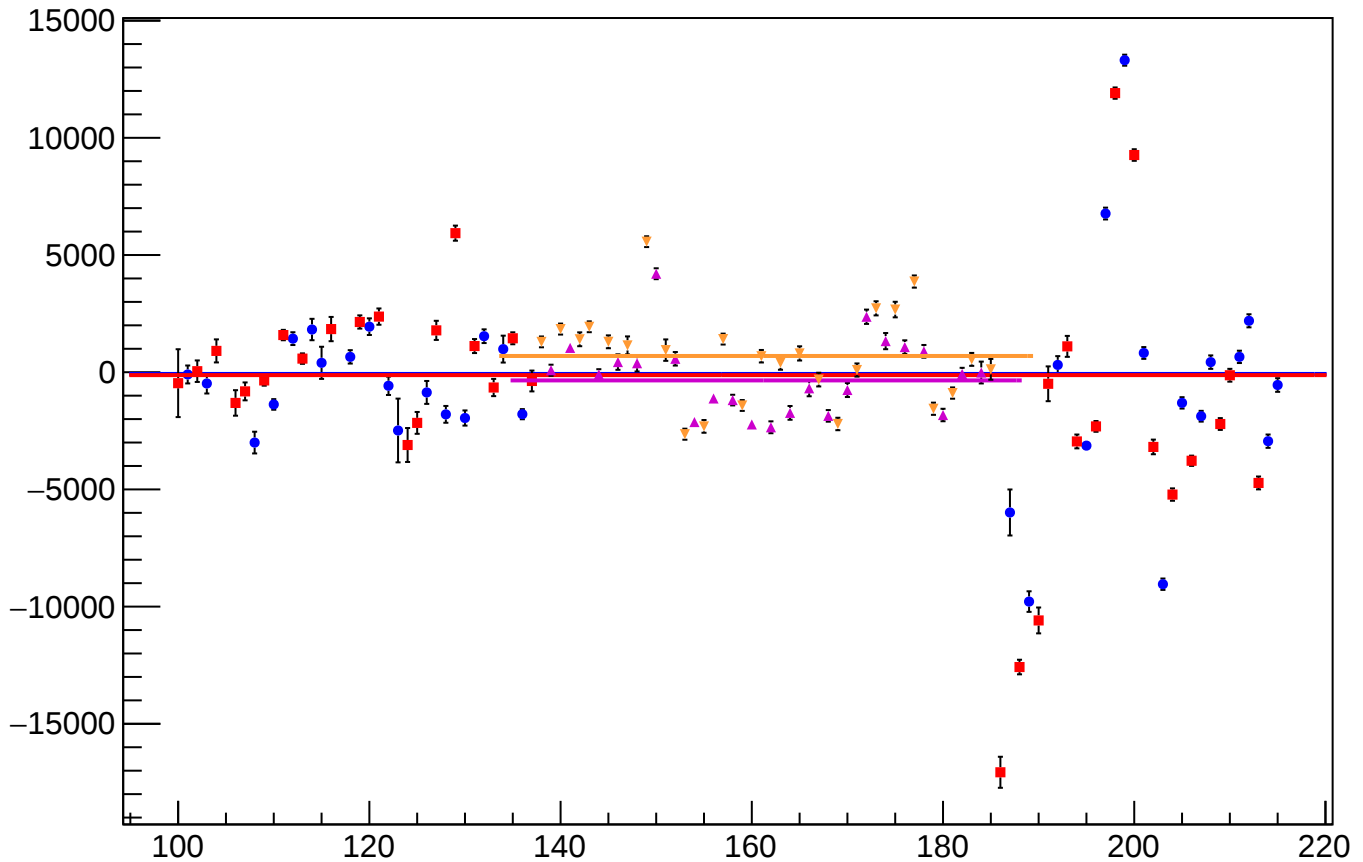
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 142.461+/-0.018 χ^2/NDF : 4289855.9/56

All: 141.636+/-0.012 χ^2/NDF : 8873661.4/113

- sign 140.796+/-0.018 χ^2/NDF : 4579340.4/56

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: -123.535 ± 54.199 χ^2/NDF : 8508.3/33

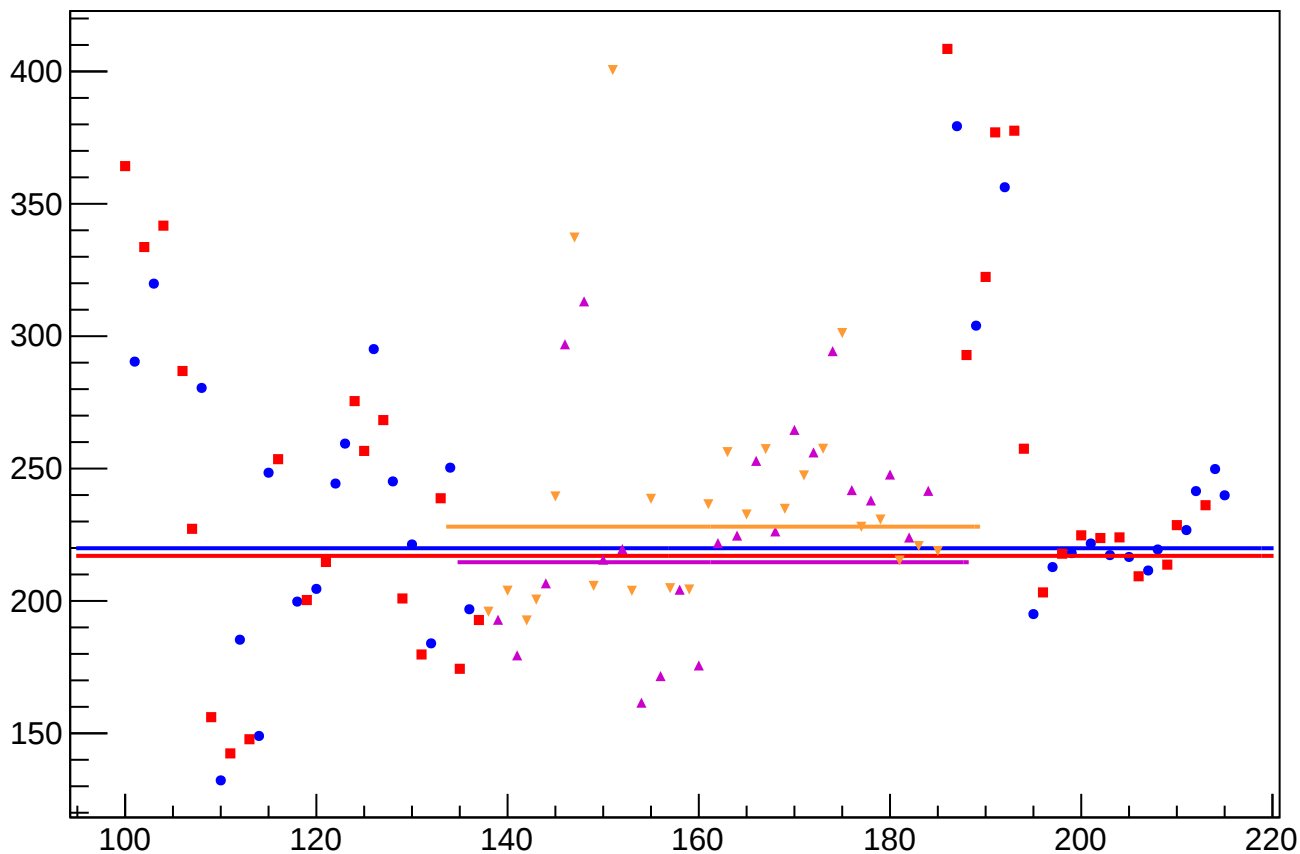
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 307.182 ± 38.291 χ^2/NDF : 8188.6/56

All: 31.537 ± 26.946 χ^2/NDF : 17789.4/113

- sign -238.907 ± 37.928 χ^2/NDF : 9498.1/56

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: 217.026 $\pm$ 0.038 χ^2 /NDF: 1837116.6/33

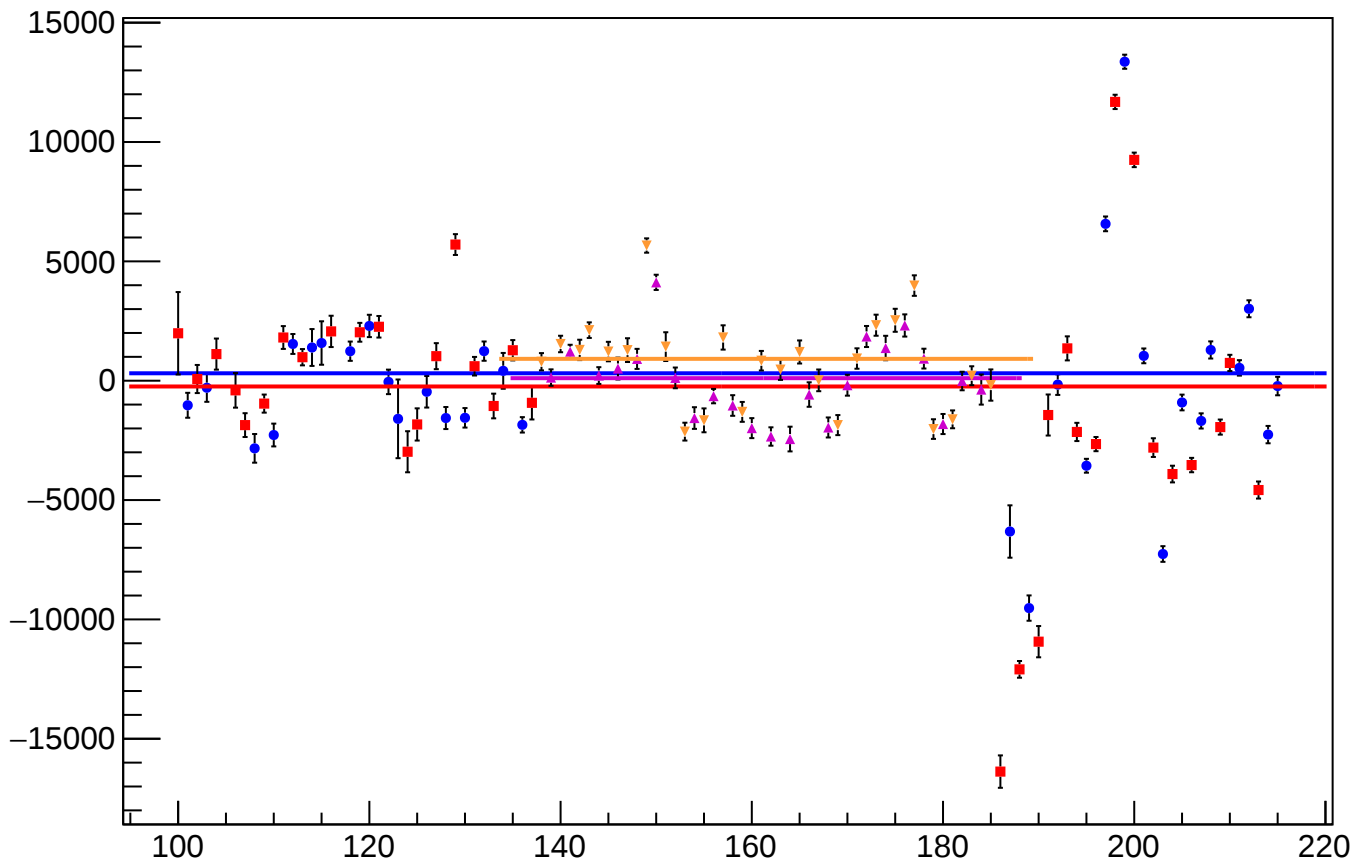
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF:1025683.3/22

+ sign 223.961 $\pm$ 0.027 χ^2 /NDF: 2051472.6/56

All: 219.843 $\pm$ 0.019 χ^2 /NDF: 4962114.1/113

- sign 215.802 $\pm$ 0.027 χ^2 /NDF: 2864799.7/56

asym_bpm0l02WS_mean vs Slug



Right In: 311.339 ± 72.652 $\chi^2/\text{NDF}: 3815.3/31$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: -241.641 ± 73.442 $\chi^2/\text{NDF}: 5444.1/33$

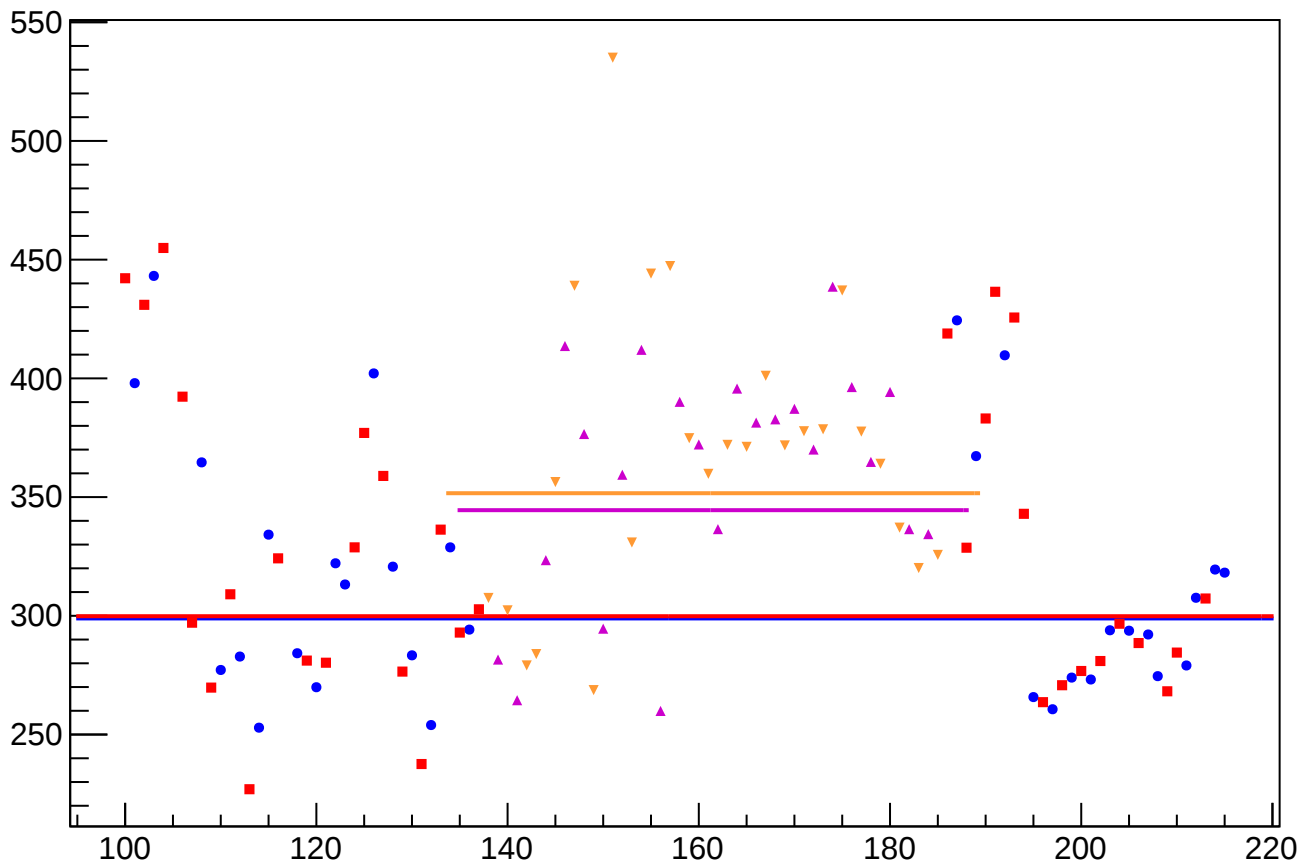
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 572.212 ± 54.781 $\chi^2/\text{NDF}: 4463.5/56$

All: 243.959 ± 38.953 $\chi^2/\text{NDF}: 10380.2/113$

- sign -91.775 ± 55.401 $\chi^2/\text{NDF}: 5844.1/56$

asym_bpm0l02WS_rms vs Slug



Right In: 298.899+/-0.051 χ^2/NDF : 639150.5/31

Left Out: 351.633+/-0.059 χ^2/NDF : 907849.3/24

Right Out: 299.829+/-0.052 χ^2/NDF : 894271.9/33

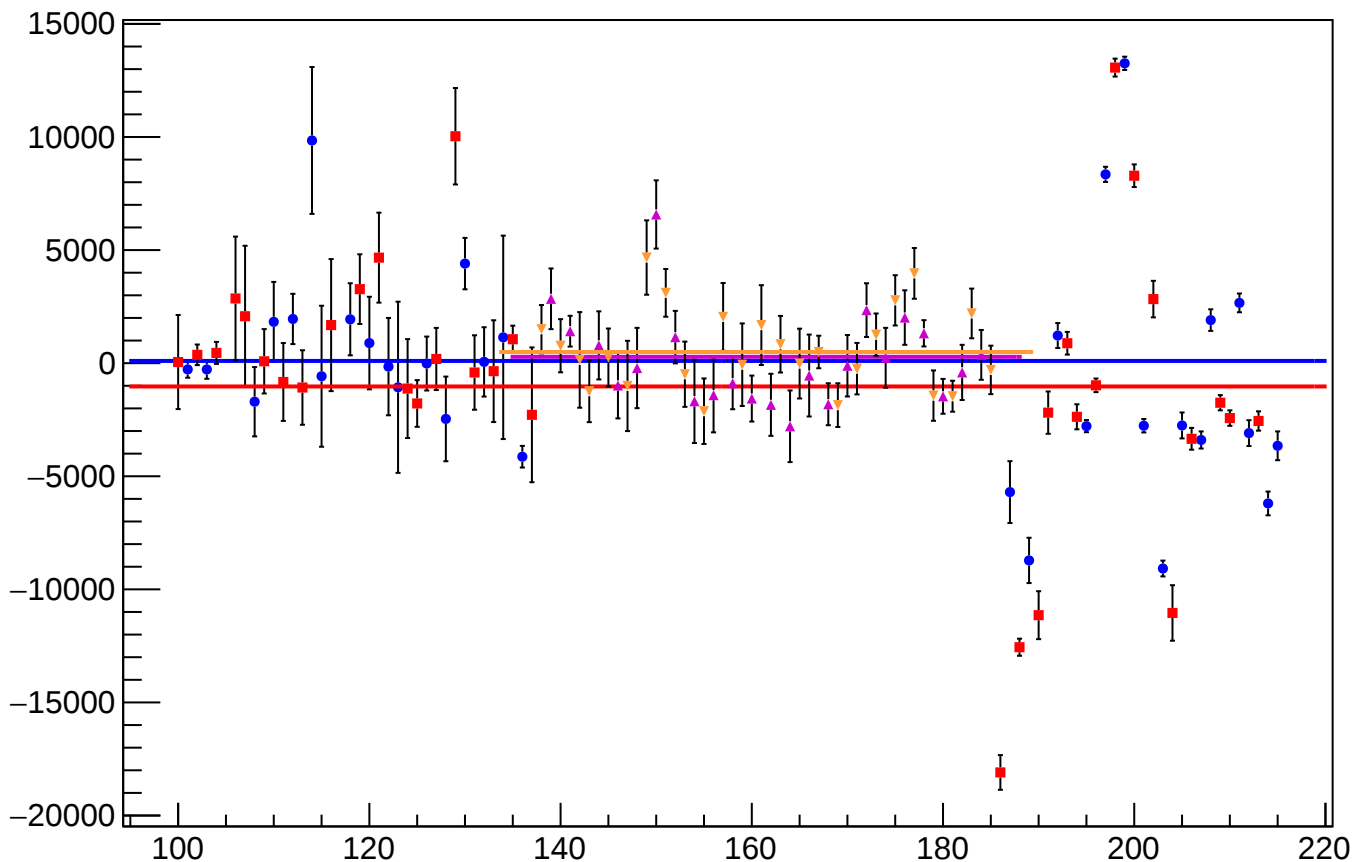
Left In: 344.491+/-0.060 χ^2/NDF : 768885.4/22

+ sign 321.651+/-0.039 χ^2/NDF : 2001631.6/56

All: 320.378+/-0.028 χ^2/NDF : 3985708.8/113

- sign 319.076+/-0.039 χ^2/NDF : 1981892.3/56

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: -1029.800+/-108.141 χ^2/NDF : 3373.8/33

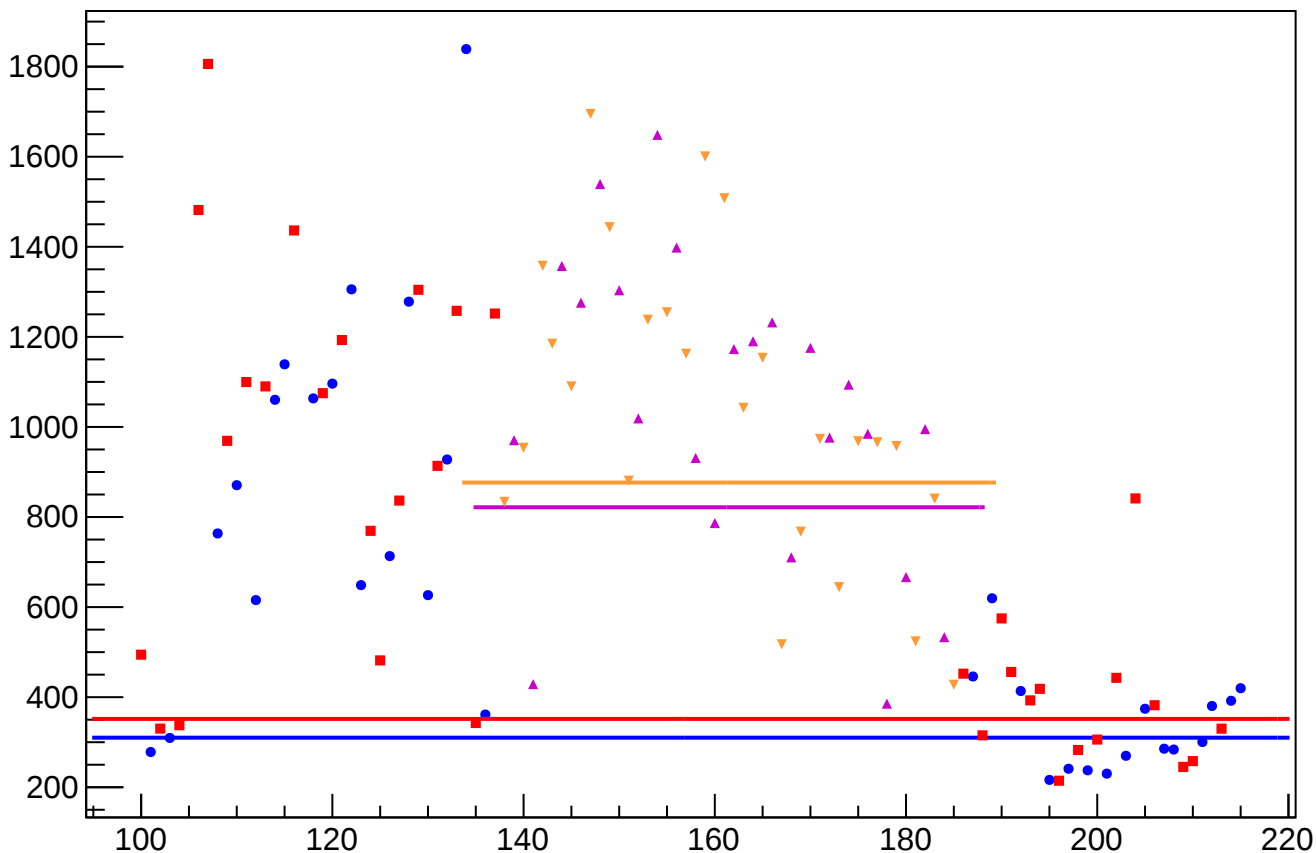
Left In: 280.692+/-232.048 χ^2/NDF : 57.2/22

+ sign 156.250+/-87.925 χ^2/NDF : 4148.3/56

All: -268.321+/-65.451 χ^2/NDF : 7657.9/113

- sign -795.969+/-98.019 χ^2/NDF : 3457.2/56

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: 351.784 ± 0.076 $\chi^2/\text{NDF}: 5922820.5/33$

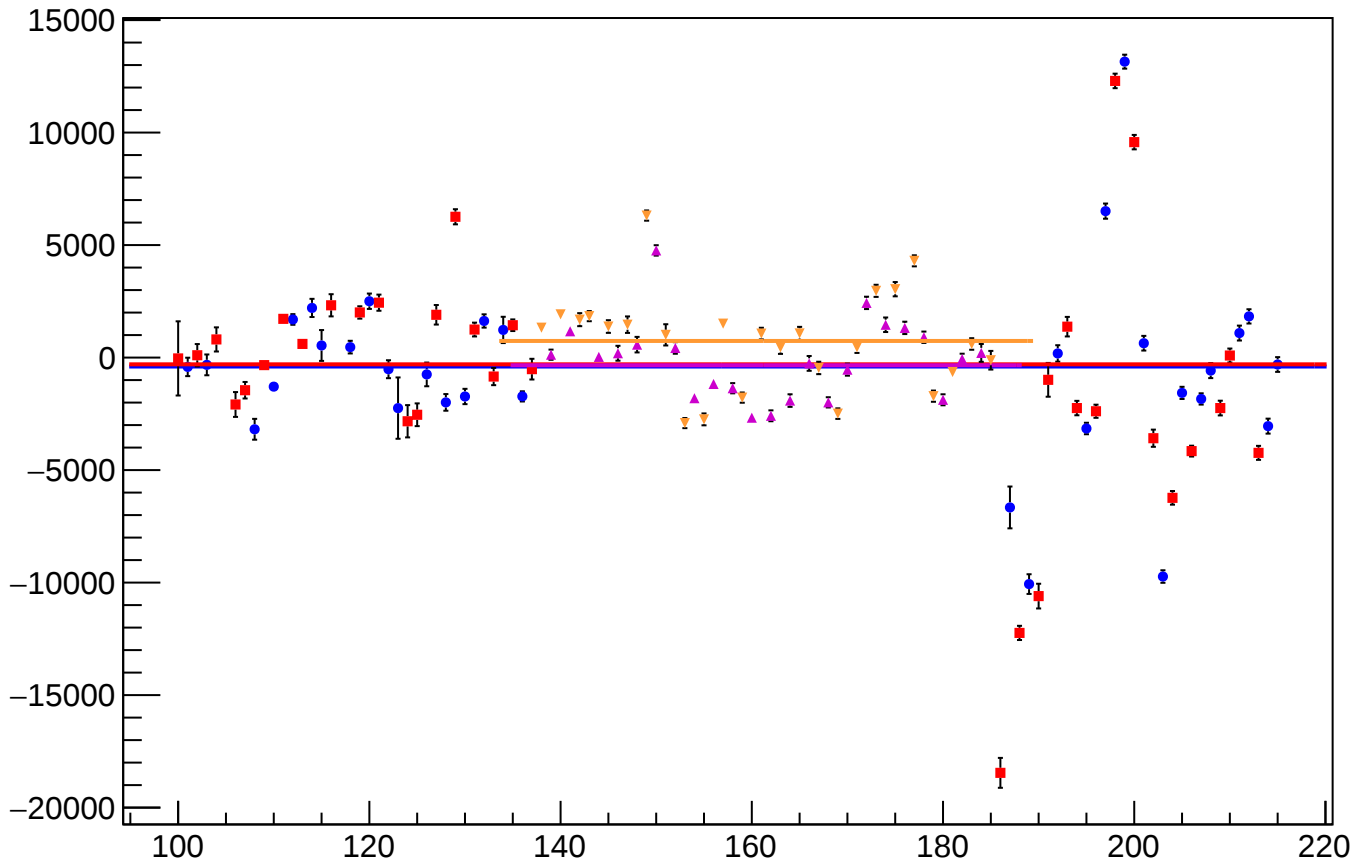
Left In: 821.657 ± 0.164 $\chi^2/\text{NDF}: 4443094.2/22$

+ sign 392.083 ± 0.062 $\chi^2/\text{NDF}: 18273479.9/56$

All: 411.497 ± 0.046 $\chi^2/\text{NDF}: 35595317.8/1$

- sign 435.623 ± 0.069 $\chi^2/\text{NDF}: 17103168.4/56$

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: -299.949 ± 57.189 $\chi^2/\text{NDF}: 6832.6/33$

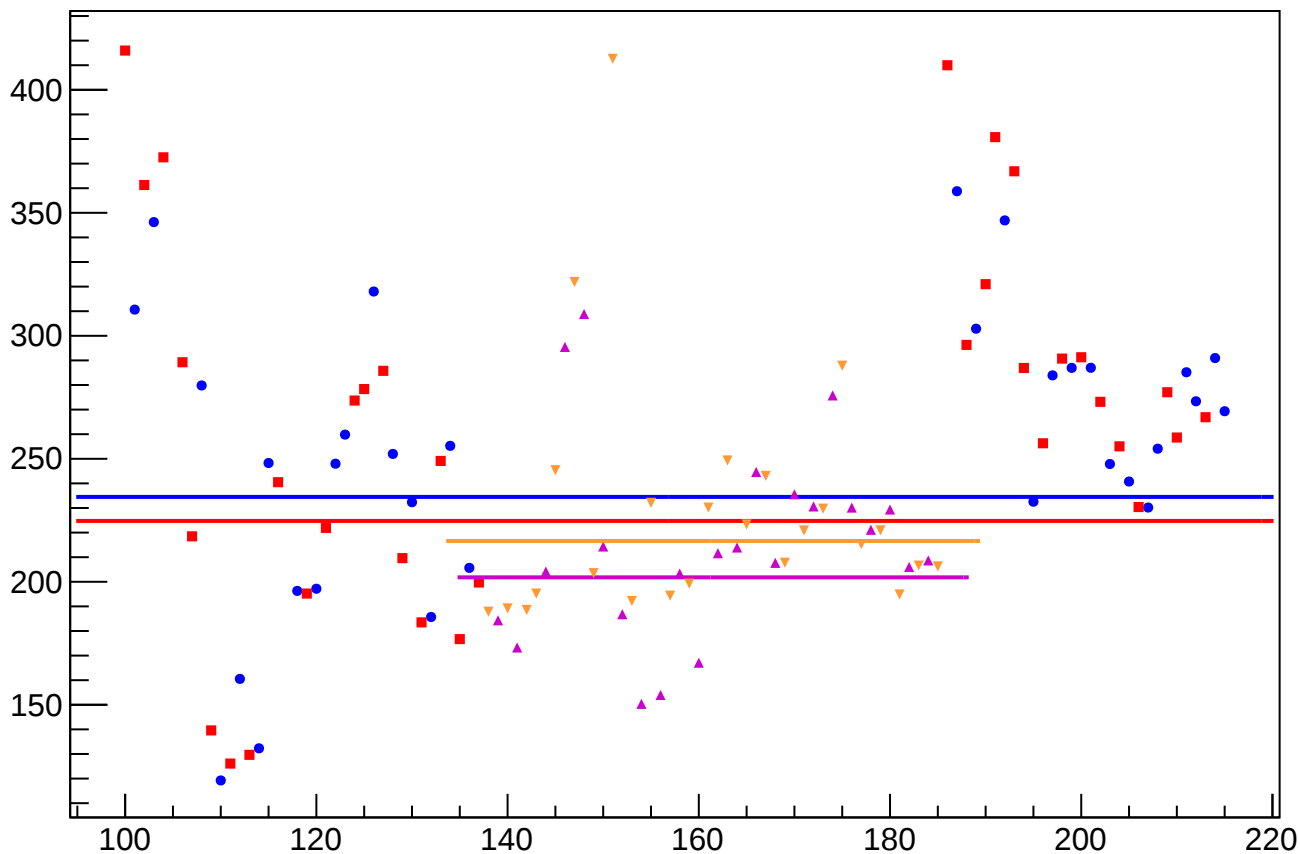
Left In: -342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

+ sign 240.169 ± 38.686 $\chi^2/\text{NDF}: 6826.5/56$

All: -49.505 ± 26.985 $\chi^2/\text{NDF}: 15023.5/113$

- sign -324.027 ± 37.661 $\chi^2/\text{NDF}: 8087.8/56$

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: 224.744 $\pm$ 0.040 χ^2 /NDF: 2959645.6/33

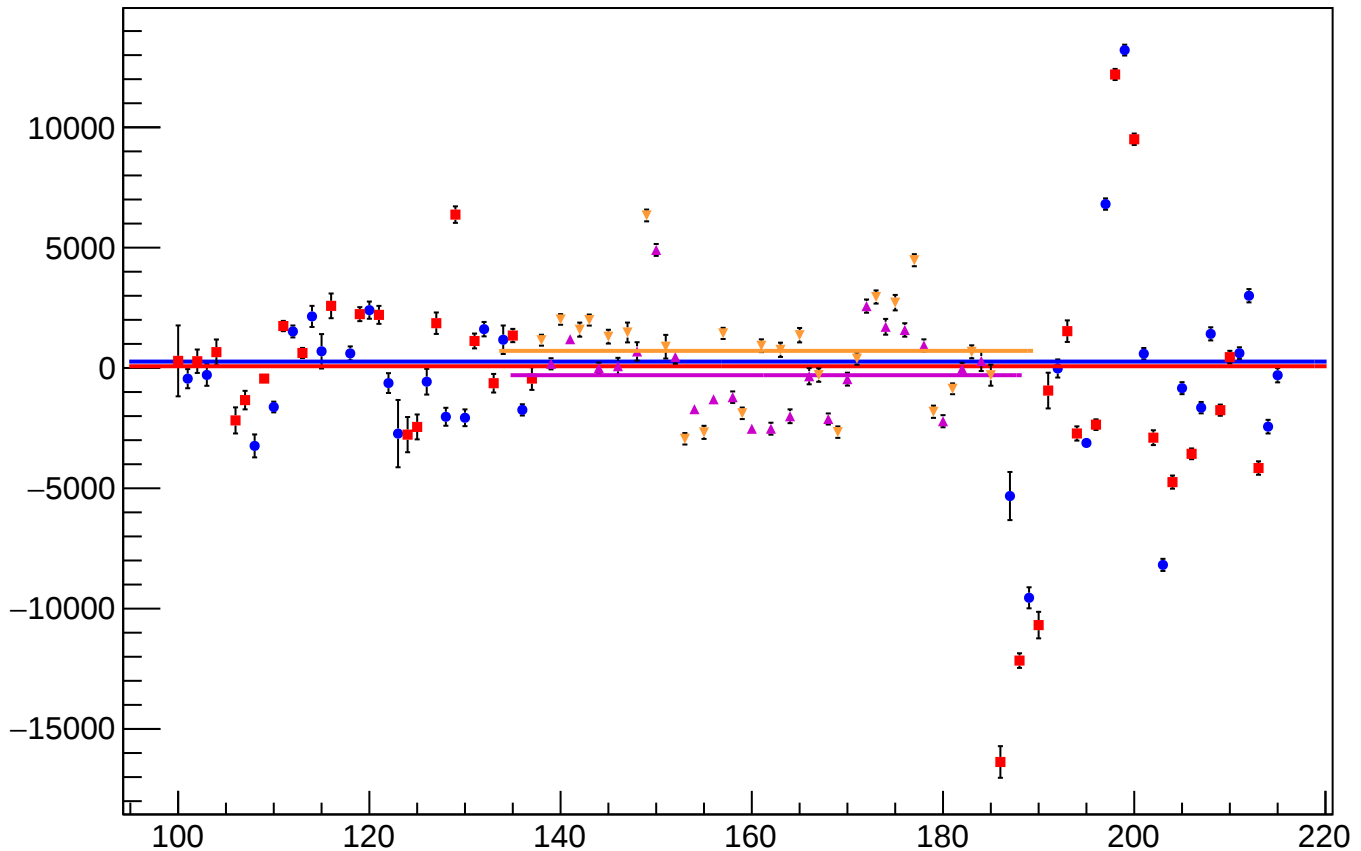
Left In: 201.805 $\pm$ 0.035 χ^2 /NDF:1087243.4/22

+ sign 224.446 $\pm$ 0.027 χ^2 /NDF: 2959117.8/56

All: 217.929 $\pm$ 0.019 χ^2 /NDF: 7298770.9/113

- sign 211.753 $\pm$ 0.027 χ^2 /NDF: 4229122.2/56

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: 71.631 $\pm$ 53.929 χ^2 /NDF: 8769.0/33

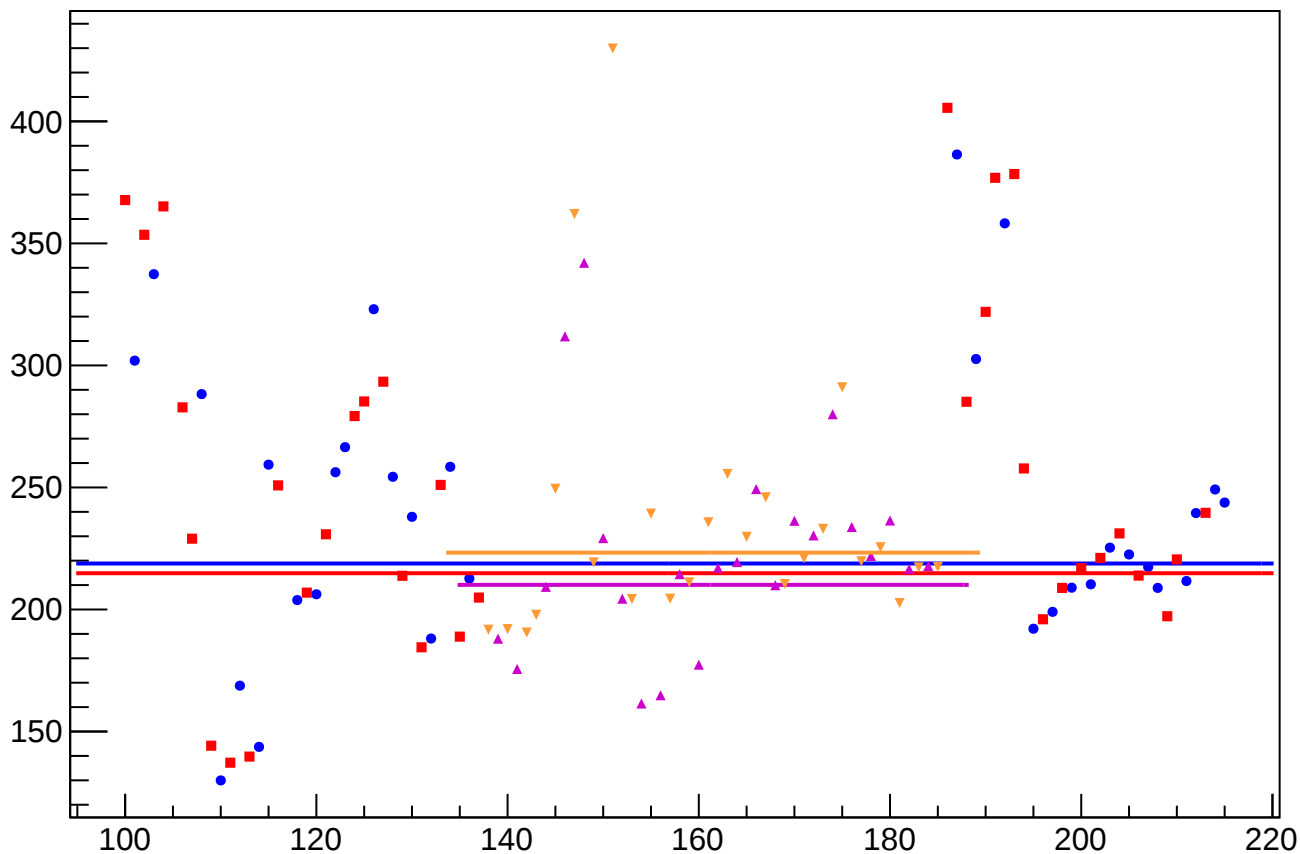
Left In: -300.516 $\pm$ 51.984 χ^2 /NDF:1208.6/22

+ sign 491.049 $\pm$ 37.881 χ^2 /NDF: 8553.3/56

All: 181.192 $\pm$ 26.624 χ^2 /NDF: 18687.7/113

- sign -121.274 $\pm$ 37.427 χ^2 /NDF: 10002.2/56

asym_bpm0l05WS_rms vs Slug



Right In: 218.838+/-0.038 χ^2/NDF : 1401443.4/31

Left Out: 223.296+/-0.038 χ^2/NDF : 922768.4/24

Right Out: 214.858+/-0.038 χ^2/NDF : 2121744.5/33

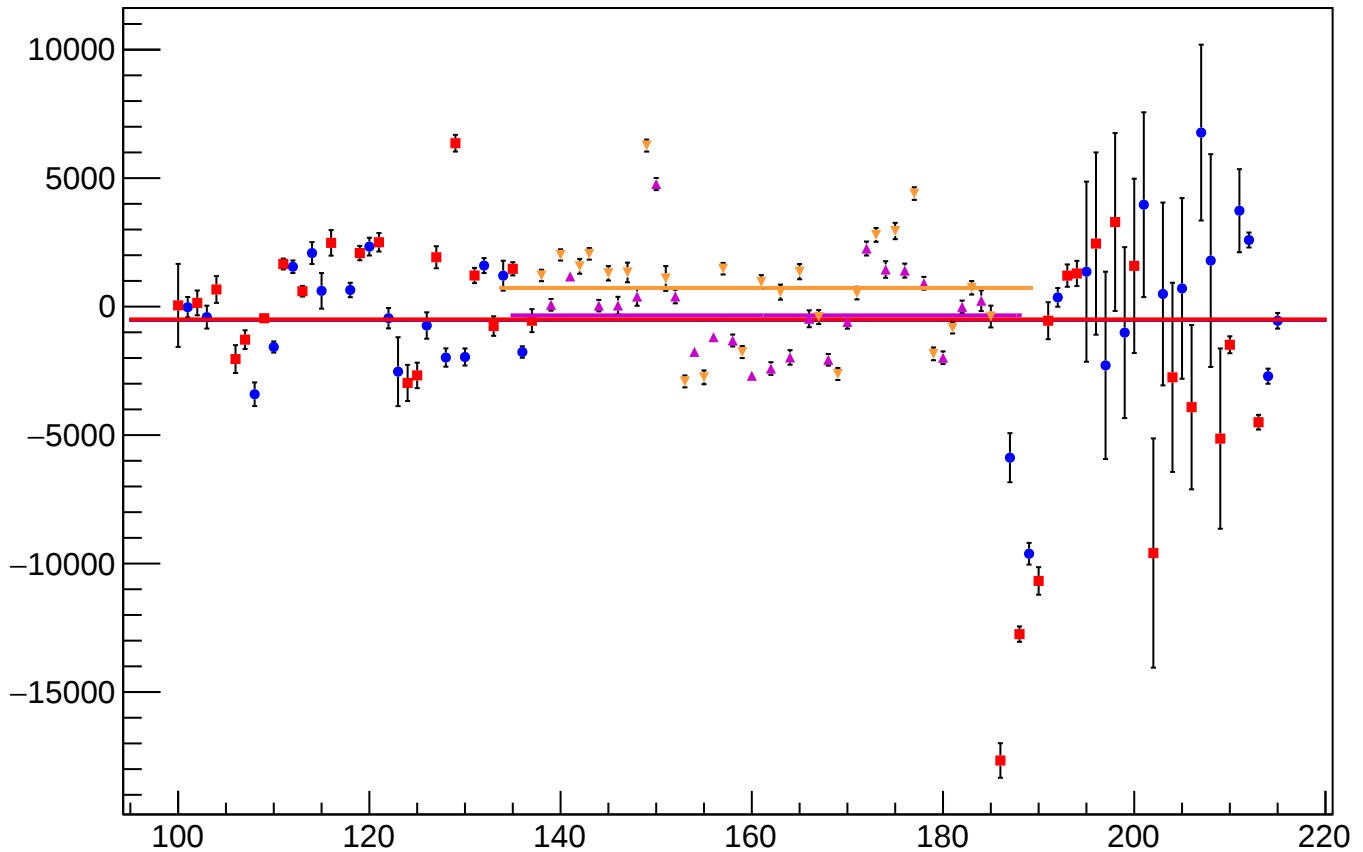
Left In: 210.080+/-0.037 χ^2/NDF : 1015274.5/22

+ sign 221.095+/-0.027 χ^2/NDF : 2331135.7/56

All: 216.685+/-0.019 χ^2/NDF : 5529842.1/113

- sign 212.381+/-0.026 χ^2/NDF : 3145156.2/56

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: -500.897 ± 66.560 $\chi^2/\text{NDF}: 3862.5/33$

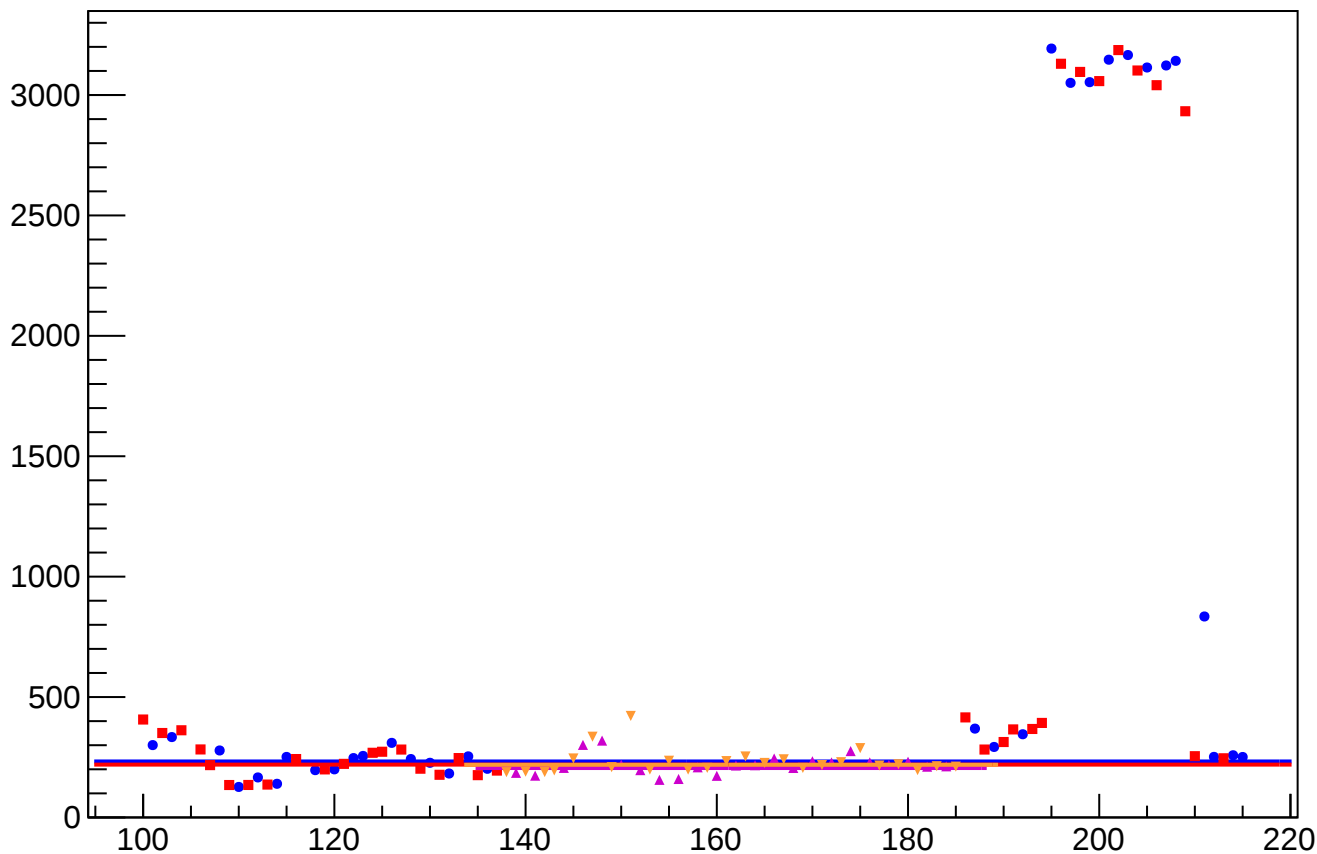
Left In: -340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

+ sign 295.859 ± 42.176 $\chi^2/\text{NDF}: 3185.8/56$

All: -66.932 ± 29.168 $\chi^2/\text{NDF}: 8395.7/113$

- sign -399.545 ± 40.384 $\chi^2/\text{NDF}: 5068.0/56$

asym_bpm0l06WS_rms vs Slug



Right In: 232.520+/-0.051 χ^2/NDF : 12172663.0/31

Left Out: 218.768+/-0.037 χ^2/NDF : 896914.5/24

Right Out: 219.455+/-0.047 χ^2/NDF : 11495508.0/33

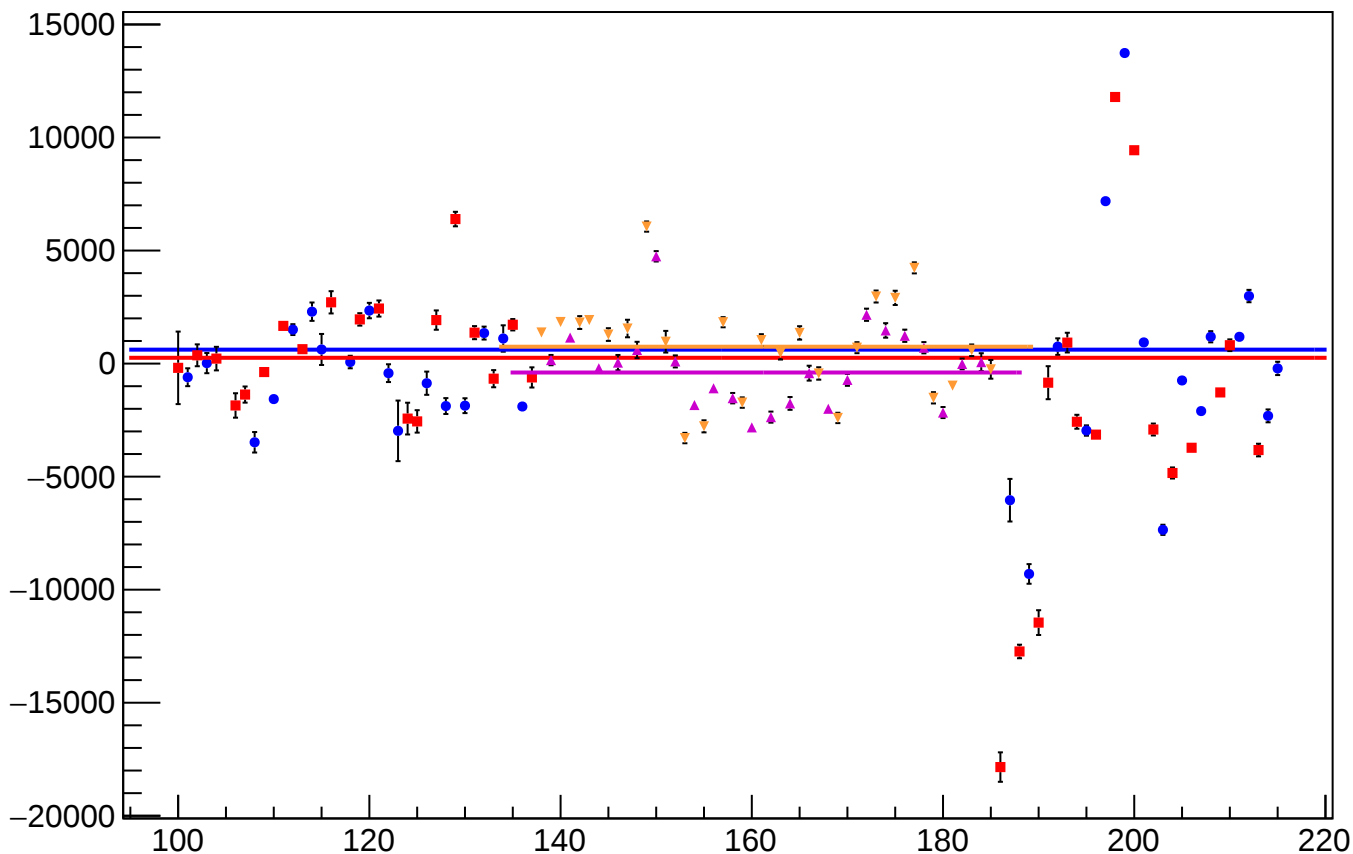
Left In: 205.249+/-0.036 χ^2/NDF : 997168.8/22

+ sign 223.528+/-0.030 χ^2/NDF : 13117697.2/56

All: 216.720+/-0.021 χ^2/NDF : 25767838.3/11

- sign 210.478+/-0.029 χ^2/NDF : 12550246.2/56

asym_bpm0l07WS_mean vs Slug



Right In: 616.988 ± 50.388 χ^2/NDF : 8648.1/31

Left Out: 746.405 ± 51.592 χ^2/NDF : 1942.1/24

Right Out: 256.584 ± 50.480 χ^2/NDF : 10591.2/33

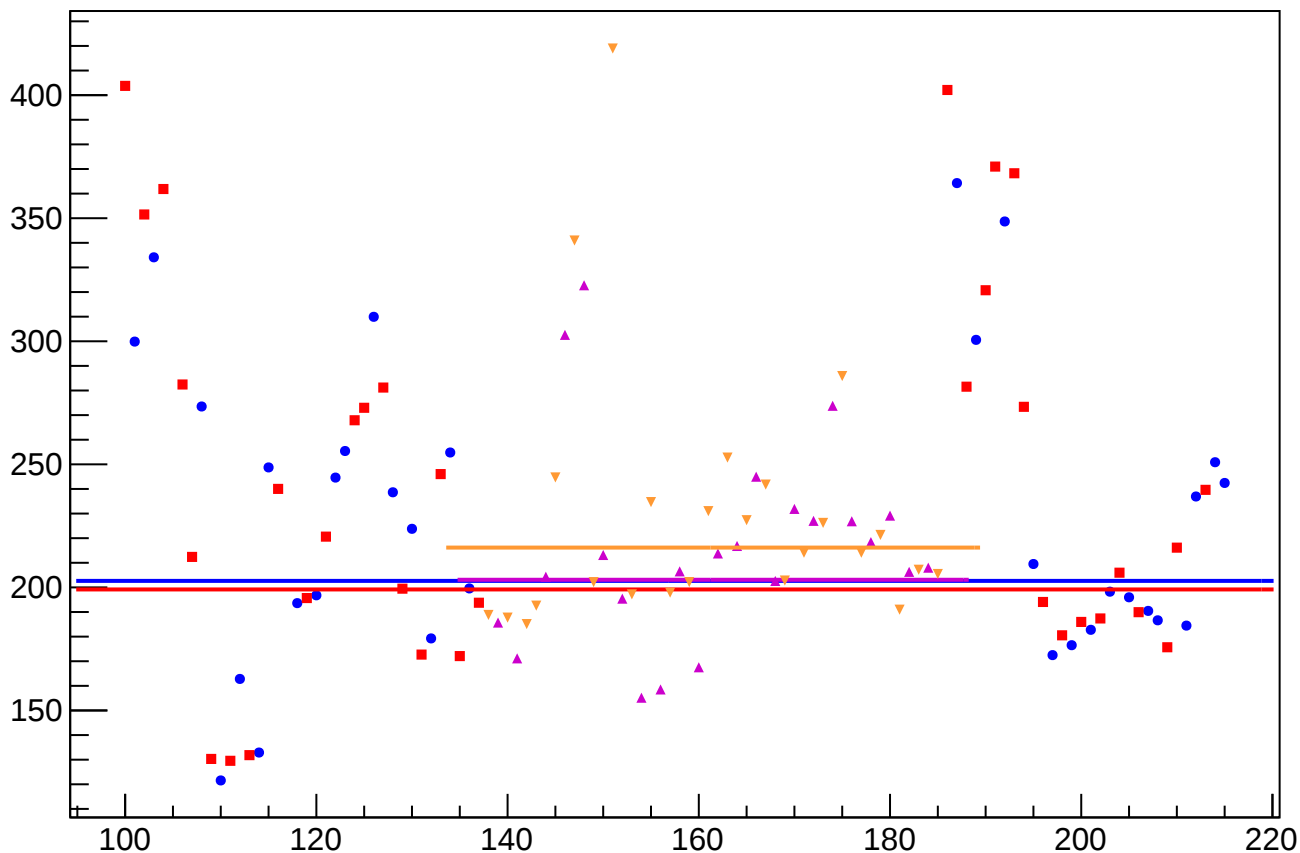
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 680.169 ± 36.048 χ^2/NDF : 10593.4/56

All: 300.770 ± 25.342 χ^2/NDF : 22723.5/113

- sign -69.987 ± 35.635 χ^2/NDF : 11911.0/56

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: 199.168 $\pm$ 0.036 χ^2 /NDF: 2517916.1/33

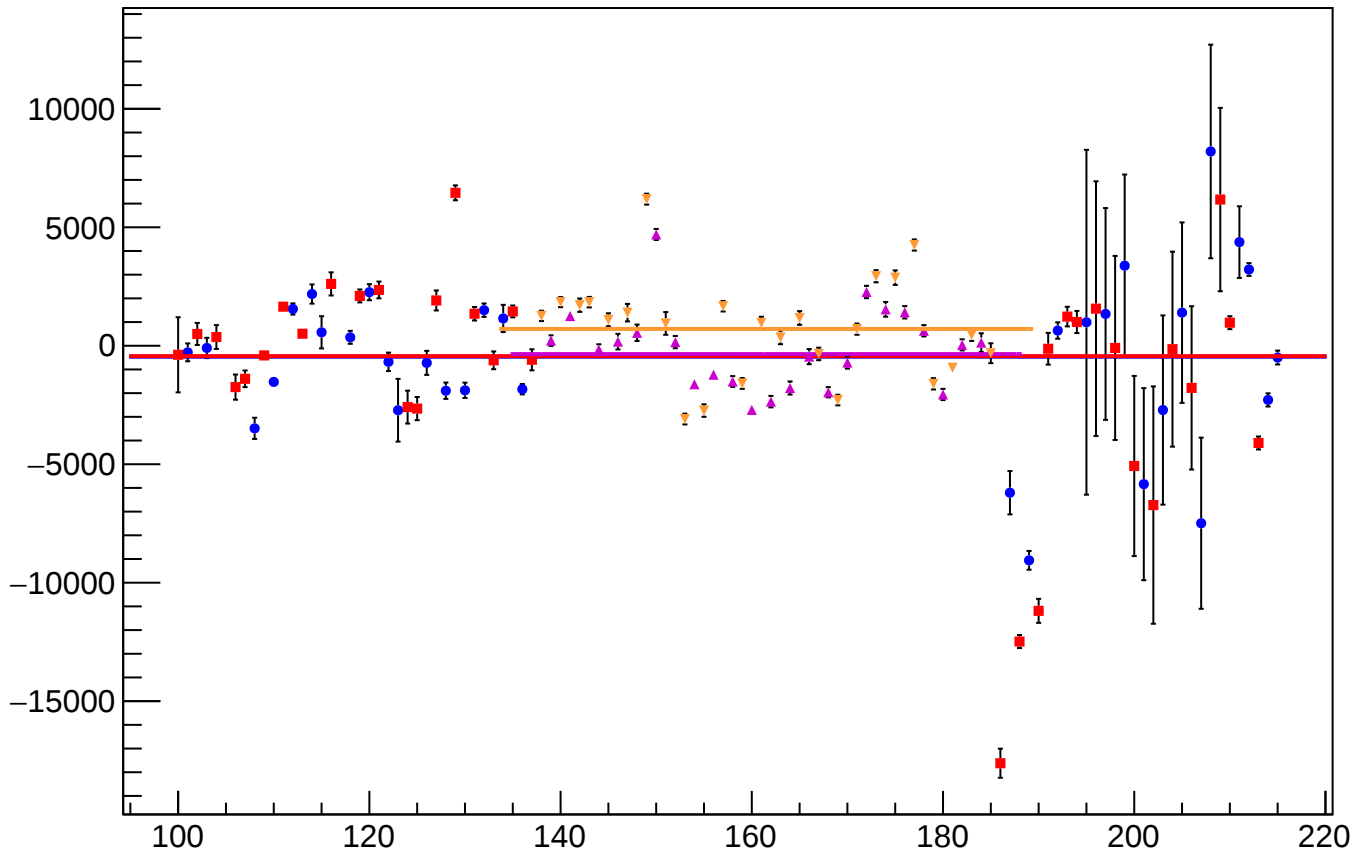
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 209.253 $\pm$ 0.025 χ^2 /NDF: 2692588.3/56

All: 205.150 $\pm$ 0.018 χ^2 /NDF: 6305825.4/113

- sign 201.141 $\pm$ 0.025 χ^2 /NDF: 3562018.5/56

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: -439.254 ± 63.402 χ^2/NDF : 4377.7/33

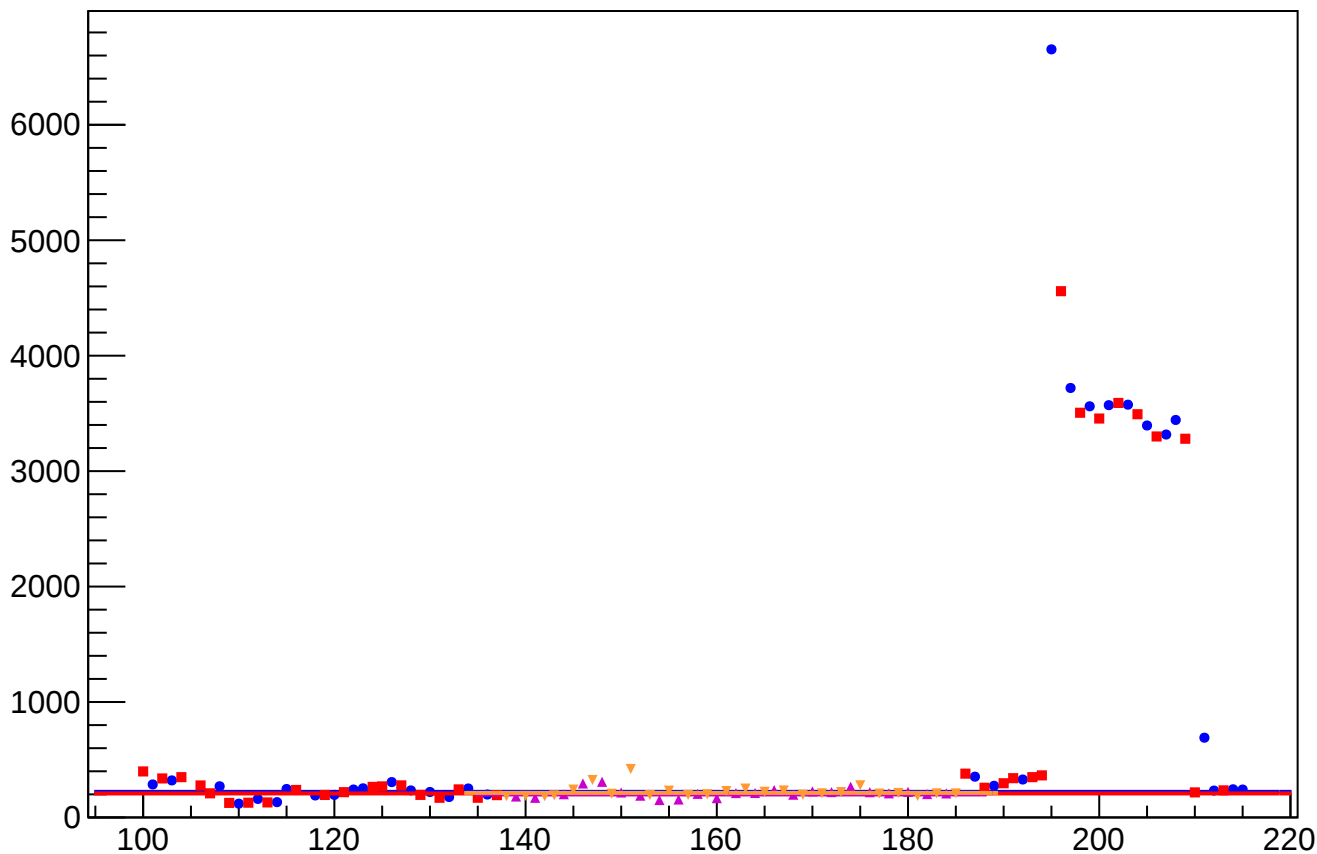
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 298.951 ± 40.882 χ^2/NDF : 3290.5/56

All: -59.852 ± 28.191 χ^2/NDF : 9049.4/113

- sign -385.160 ± 38.927 χ^2/NDF : 5612.0/56

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: 207.918+/-0.045 χ^2/NDF : 11730153.1/33

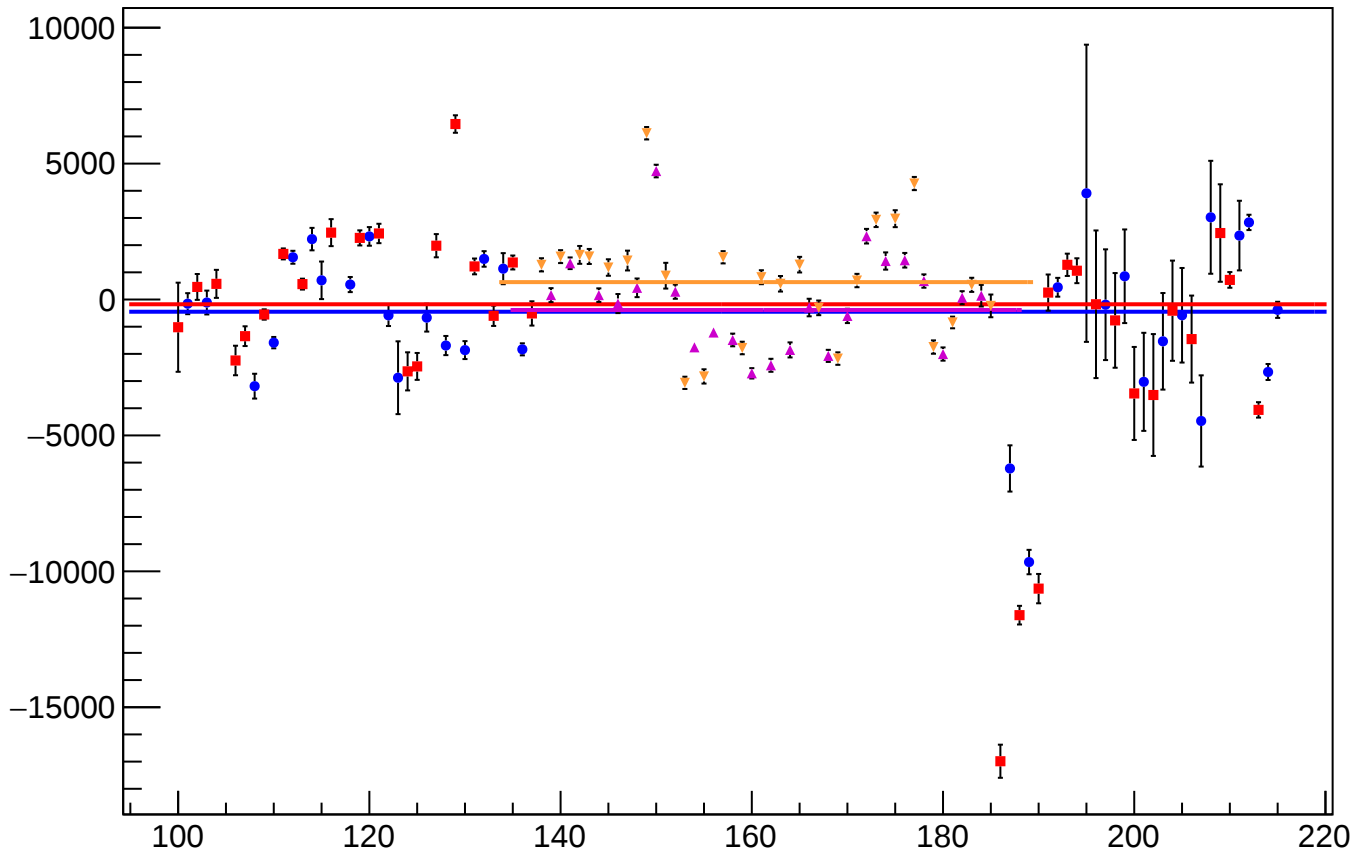
Left In: 199.142+/-0.035 χ^2/NDF : 985932.4/22

+ sign 215.909+/-0.029 χ^2/NDF : 13469939.6/56

All: 208.850+/-0.020 χ^2/NDF : 26323596.0/11

- sign 202.450+/-0.028 χ^2/NDF : 12739957.9/56

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: -174.953 ± 65.119 χ^2/NDF : 3309.4/33

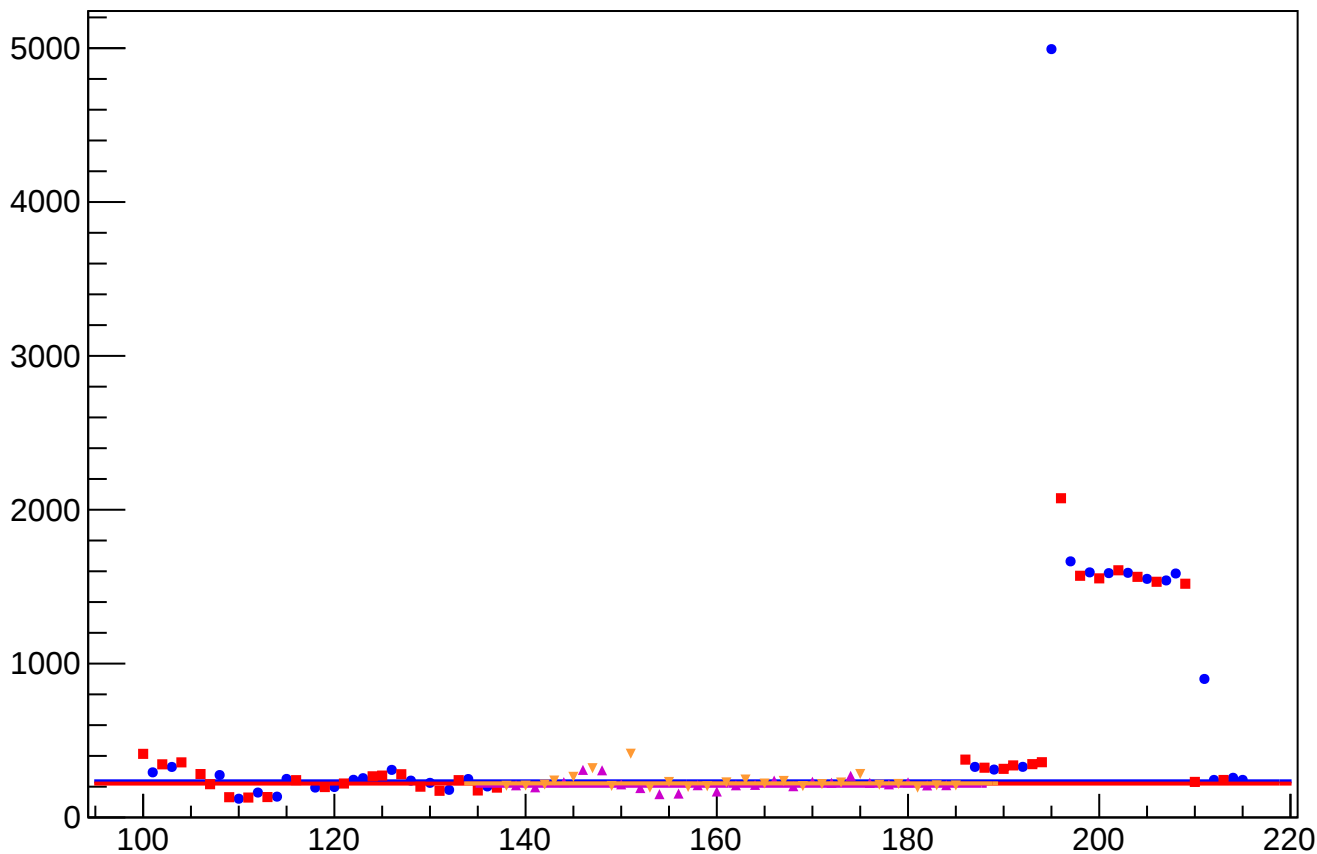
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 246.946 ± 42.141 χ^2/NDF : 3083.8/56

All: -42.871 ± 29.068 χ^2/NDF : 7728.1/113

- sign -305.929 ± 40.148 χ^2/NDF : 4554.0/56

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: 220.098+/-0.046 χ^2/NDF : 10175624.4/33

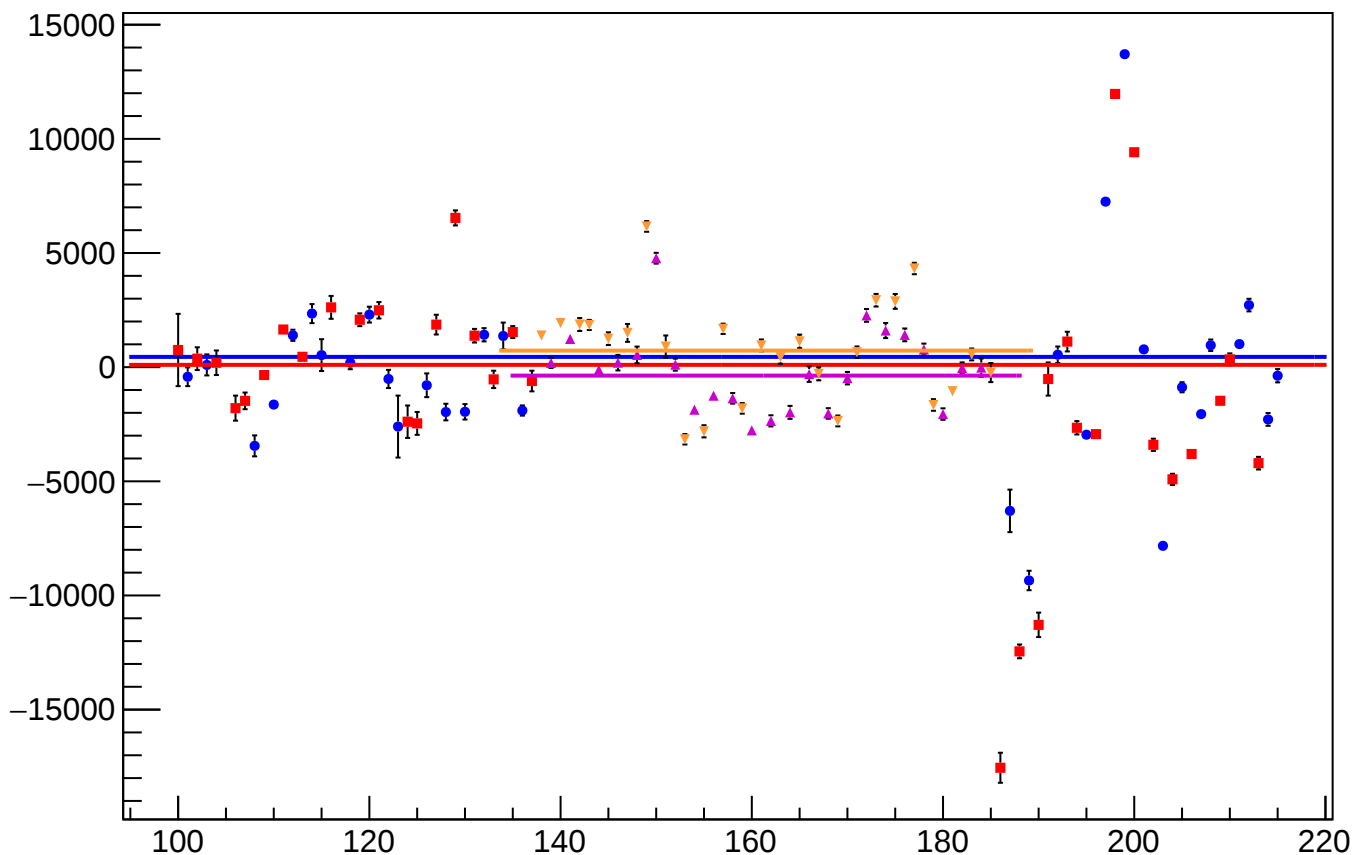
Left In: 205.803+/-0.036 χ^2/NDF : 994903.5/22

+ sign 226.262+/-0.030 χ^2/NDF : 12120263.2/56

All: 218.386+/-0.021 χ^2/NDF : 23483811.7/11

- sign 211.237+/-0.028 χ^2/NDF : 11230272.5/56

asym_bpm0l10WS_mean vs Slug



Right In: 450.043 $\pm$ 50.826 χ^2 /NDF: 8618.4/31

Left Out: 725.250 $\pm$ 52.307 χ^2 /NDF:1883.1/24

Right Out: 101.283 $\pm$ 51.220 χ^2 /NDF: 10296.7/33

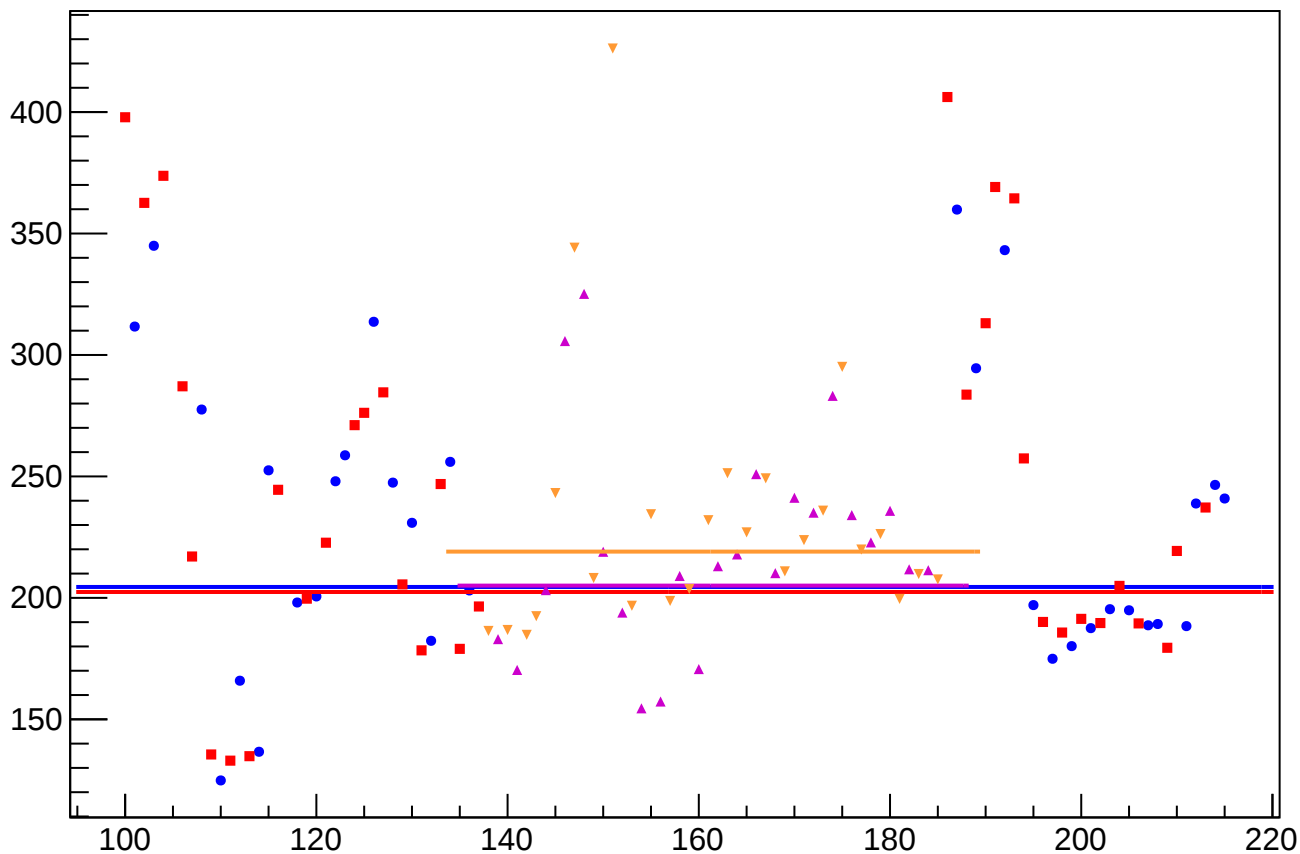
Left In: -370.408 $\pm$ 50.884 χ^2 /NDF:1223.2/22

+ sign 583.694 $\pm$ 36.452 χ^2 /NDF: 10515.8/56

All: 220.290 $\pm$ 25.650 χ^2 /NDF: 22275.1/113

- sign -136.112 $\pm$ 36.099 χ^2 /NDF: 11562.5/56

asym_bpm0l10WS_rms vs Slug



Right In: 204.493 ± 0.036 $\chi^2/\text{NDF}: 1612882.7/31$

Left Out: 219.049 ± 0.037 $\chi^2/\text{NDF}: 975564.4/24$

Right Out: 202.425 ± 0.036 $\chi^2/\text{NDF}: 2358158.5/33$

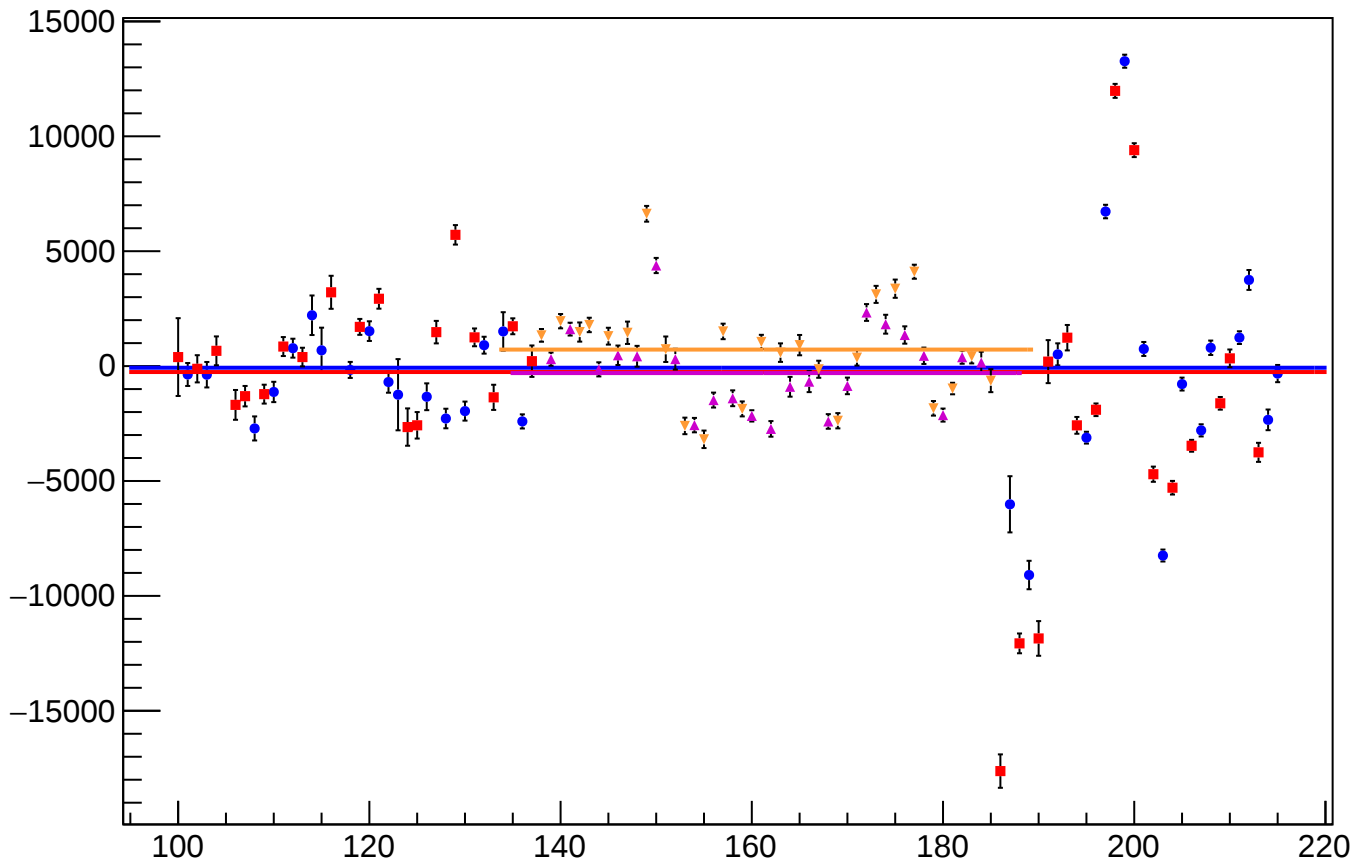
Left In: 205.046 ± 0.036 $\chi^2/\text{NDF}: 1144197.1/22$

+ sign 211.562 ± 0.026 $\chi^2/\text{NDF}: 2668108.1/56$

All: 207.615 ± 0.018 $\chi^2/\text{NDF}: 6219540.7/113$

- sign 203.744 ± 0.026 $\chi^2/\text{NDF}: 3504992.6/56$

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: -258.394 ± 70.965 $\chi^2/\text{NDF}: 5427.0/33$

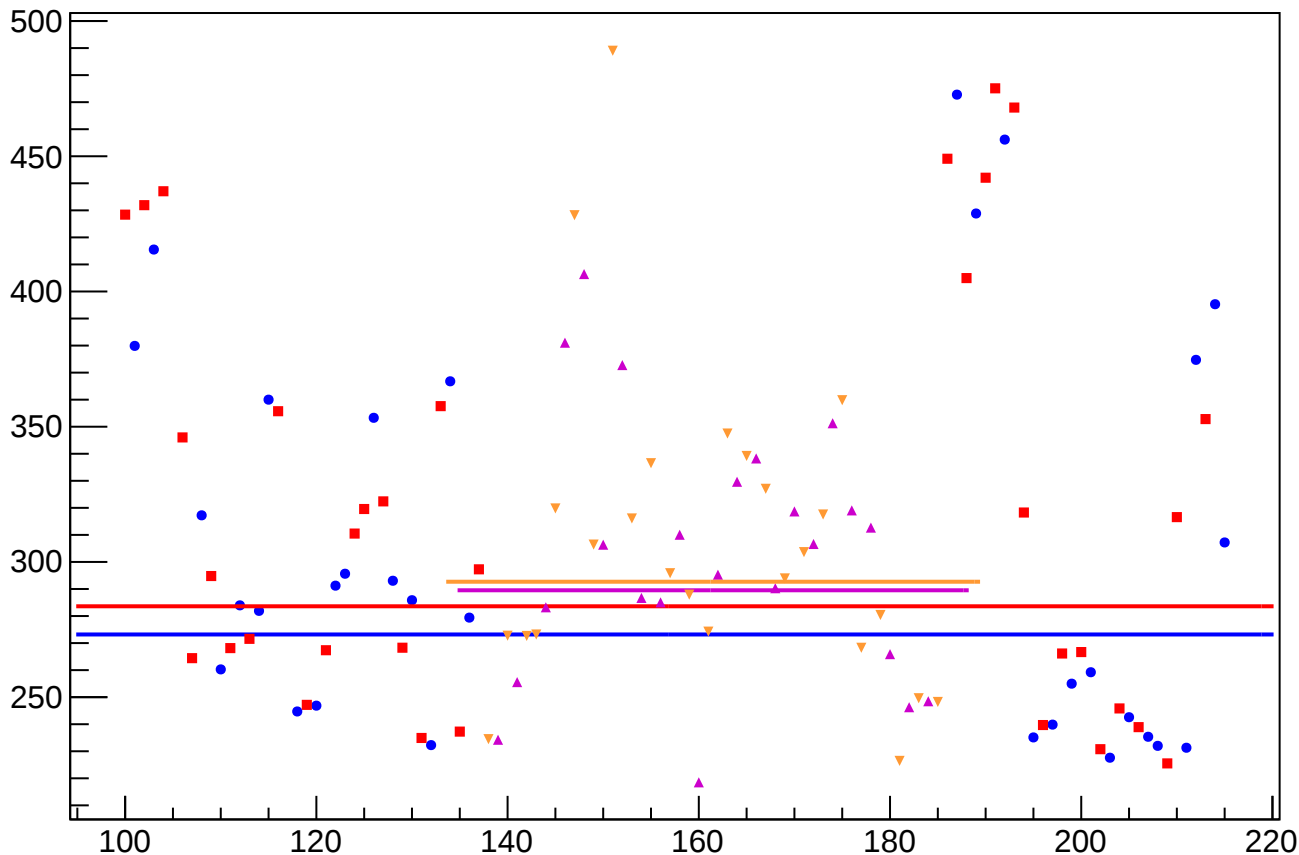
Left In: -304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

+ sign 314.395 ± 48.629 $\chi^2/\text{NDF}: 5613.4/56$

All: 25.888 ± 34.920 $\chi^2/\text{NDF}: 11756.8/113$

- sign -281.280 ± 50.177 $\chi^2/\text{NDF}: 6070.7/56$

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: 283.604+/-0.050 χ^2/NDF : 1503641.8/33

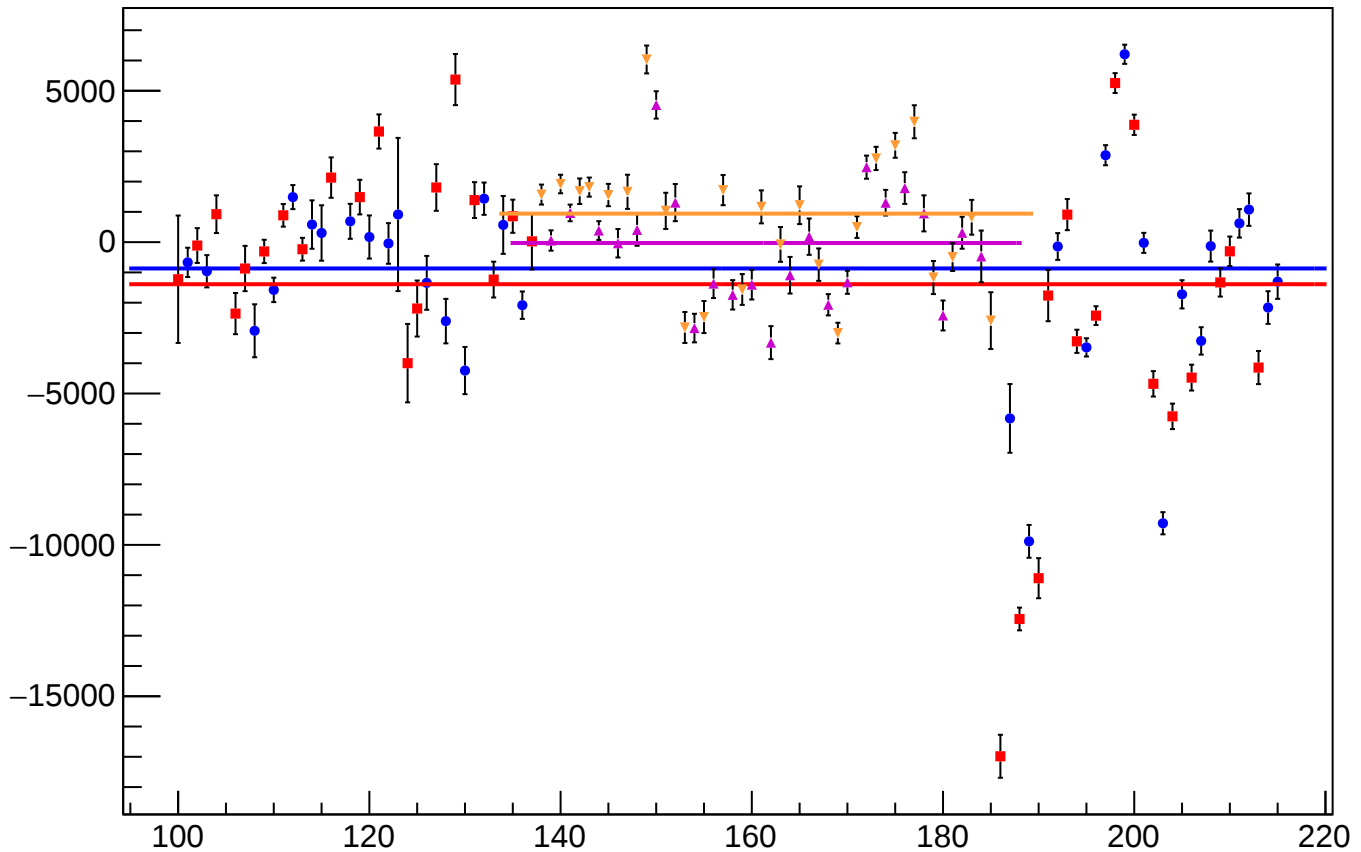
Left In: 289.522+/-0.050 χ^2/NDF : 777901.0/22

+ sign 282.704+/-0.034 χ^2/NDF : 2412853.9/56

All: 284.573+/-0.025 χ^2/NDF : 4707451.9/113

- sign 286.563+/-0.035 χ^2/NDF : 2288497.2/56

asym_bpm0r05WS_mean vs Slug



Right In: -869.072 ± 87.794 $\chi^2/\text{NDF}: 1710.4/31$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -1389.640 ± 85.997 $\chi^2/\text{NDF}: 2864.2/33$

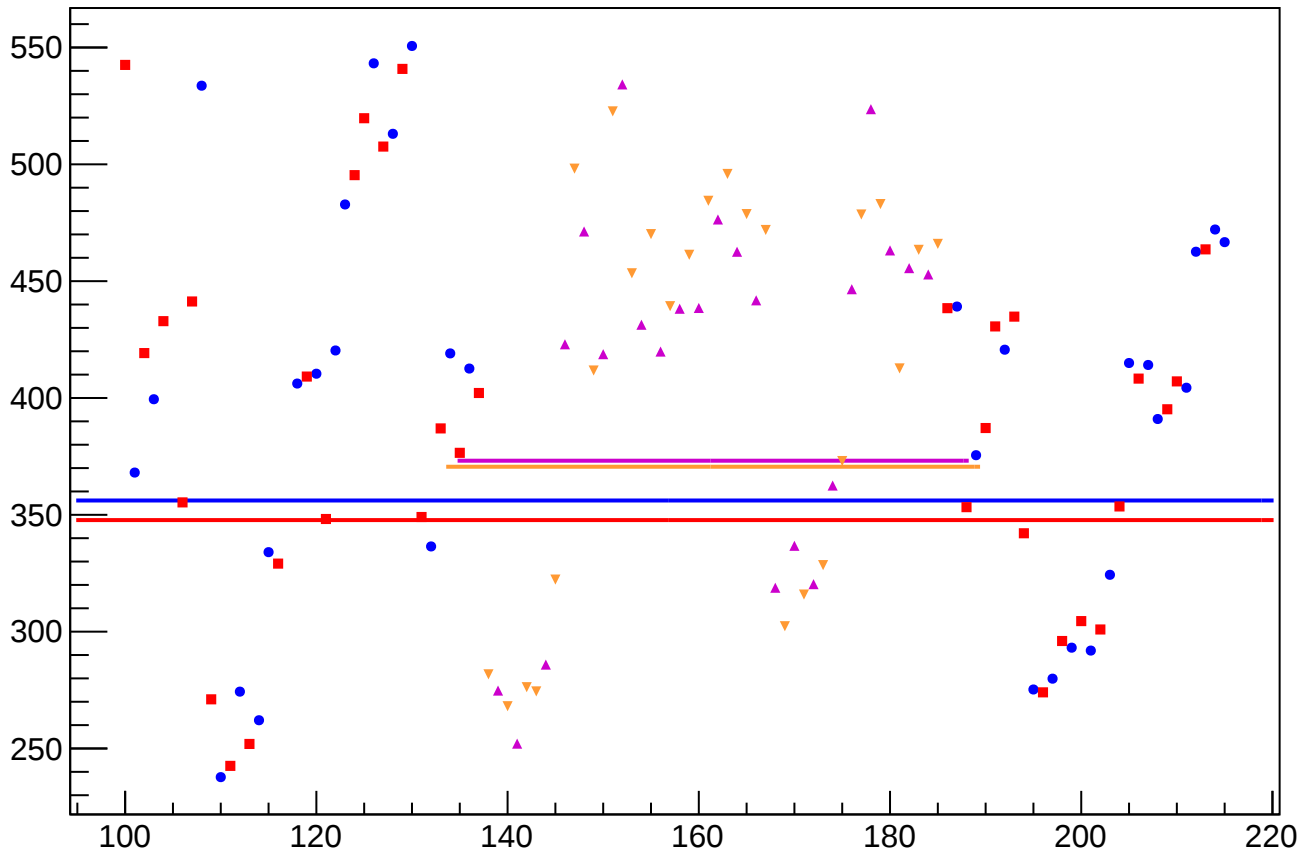
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign 22.702 ± 62.543 $\chi^2/\text{NDF}: 2464.5/56$

All: -364.754 ± 44.360 $\chi^2/\text{NDF}: 5884.9/113$

- sign -757.013 ± 62.929 $\chi^2/\text{NDF}: 3343.2/56$

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: 347.747+/-0.061 χ^2/NDF : 1335586.8/33

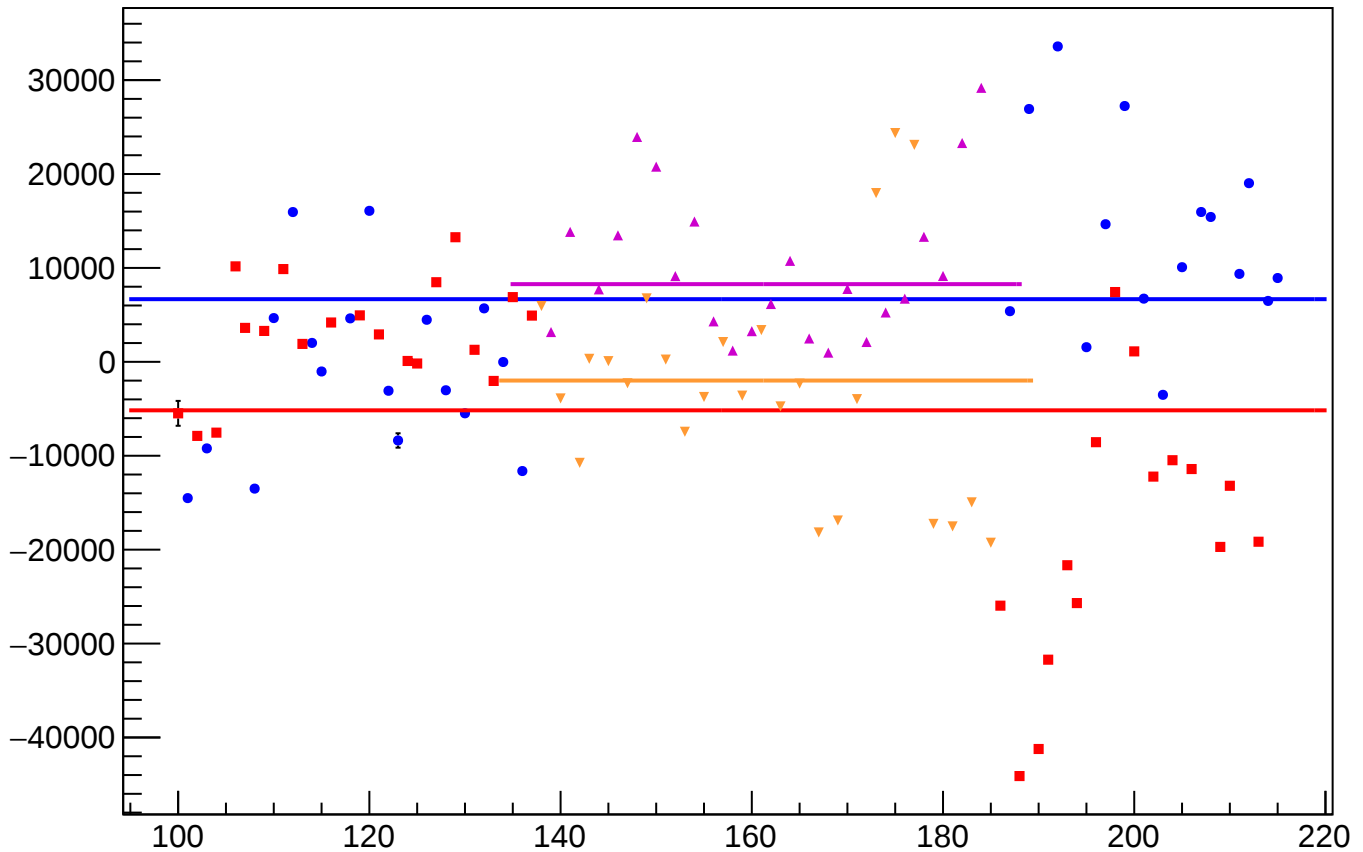
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 363.248+/-0.044 χ^2/NDF : 3501718.8/56

All: 361.412+/-0.031 χ^2/NDF : 6558152.9/113

- sign 359.552+/-0.044 χ^2/NDF : 3052964.0/56

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

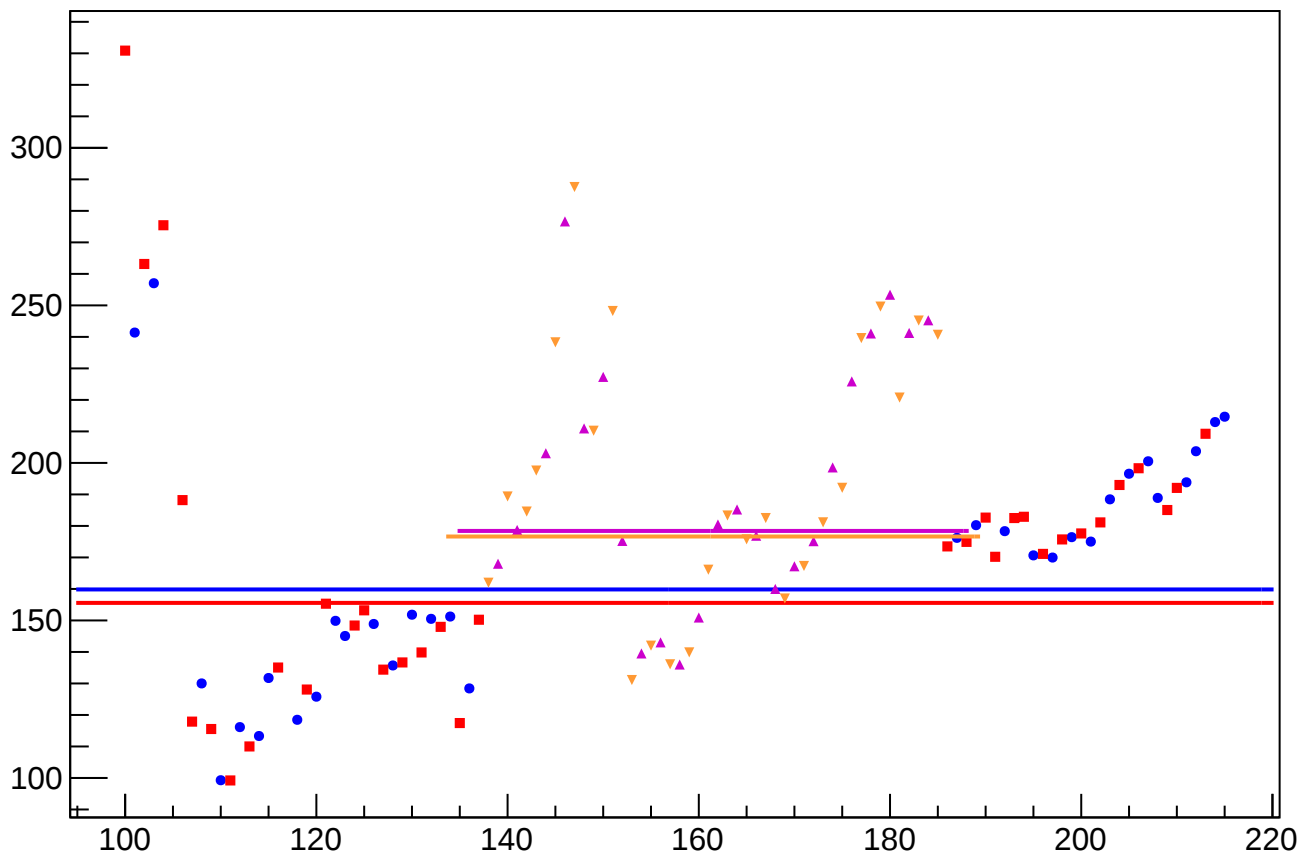
Right Out: -5164.569+/-38.756 χ^2/NDF : 144038.9/33

All: 1653.647+/-20.555 χ^2/NDF : 401126.2/11

- sign 661.138+/-29.169 χ^2/NDF : 219028.6/56

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: 155.571 $\pm$ 0.027 χ^2 /NDF: 1731052.3/33

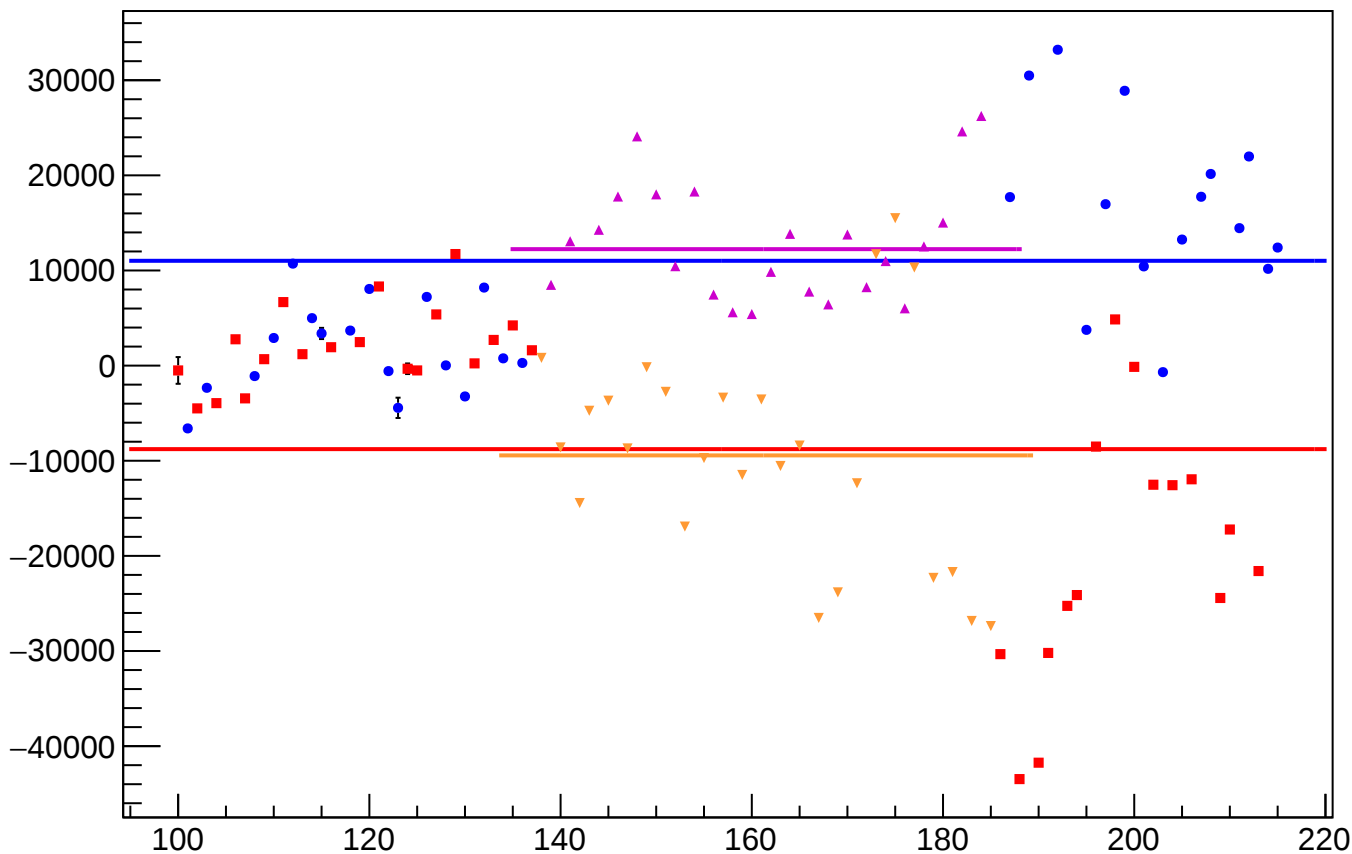
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 167.673 $\pm$ 0.020 χ^2 /NDF: 3344390.1/56

All: 166.581 $\pm$ 0.015 χ^2 /NDF: 6676088.4/113

- sign 165.474 $\pm$ 0.021 χ^2 /NDF: 3325975.9/56

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: -8778.623 $\pm$ 42.880 χ^2 /NDF: 115696.0/33

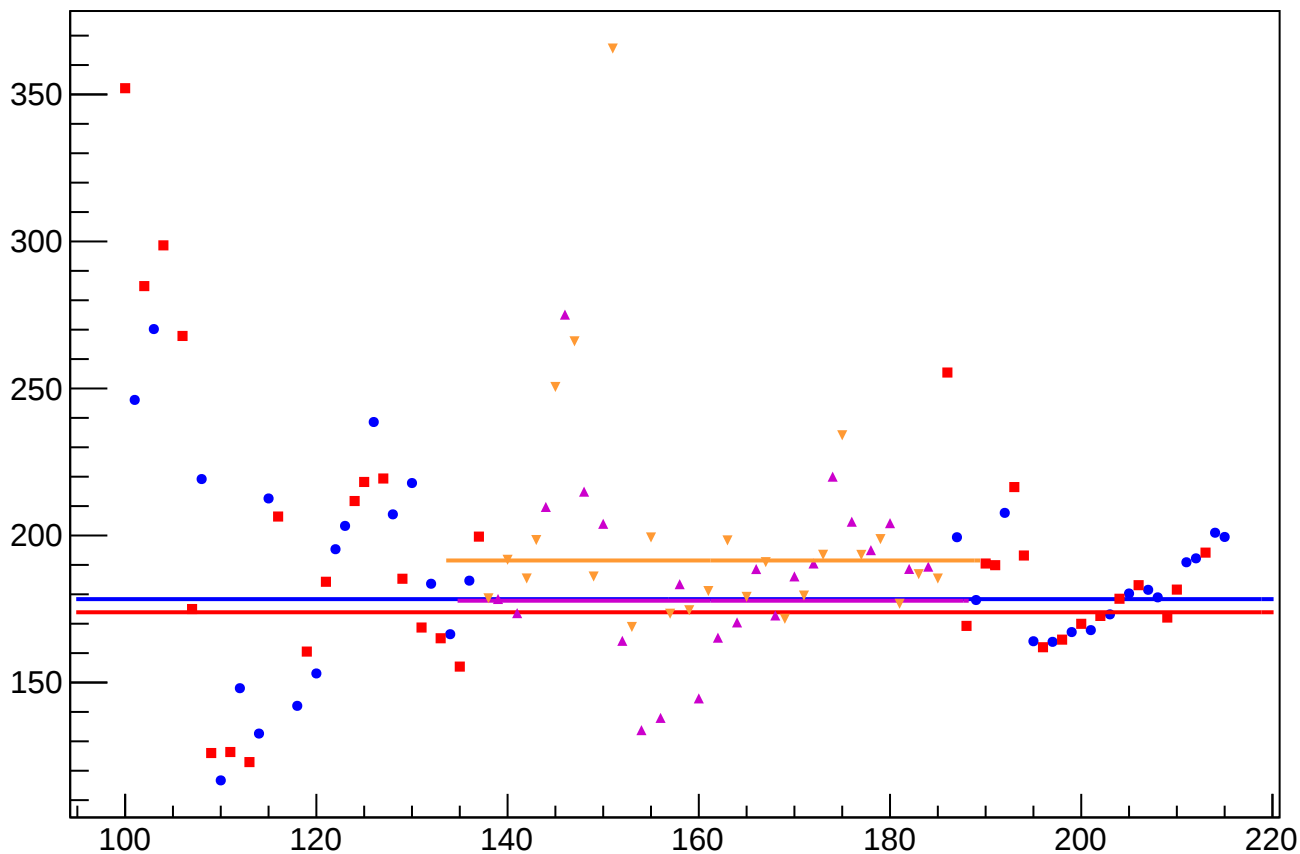
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF: 16615.8/22

+ sign 1238.660 $\pm$ 31.484 χ^2 /NDF: 222719.8/56

All: 1359.415 $\pm$ 21.976 χ^2 /NDF: 472274.5/11

- sign 1474.160 $\pm$ 30.690 χ^2 /NDF: 249526.0/56

asym_bpm0i02aWS_rms vs Slug



Right In: 178.360 $\pm$ 0.031 χ^2 /NDF: 819184.8/31

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 173.891 $\pm$ 0.030 χ^2 /NDF: 1151604.9/33

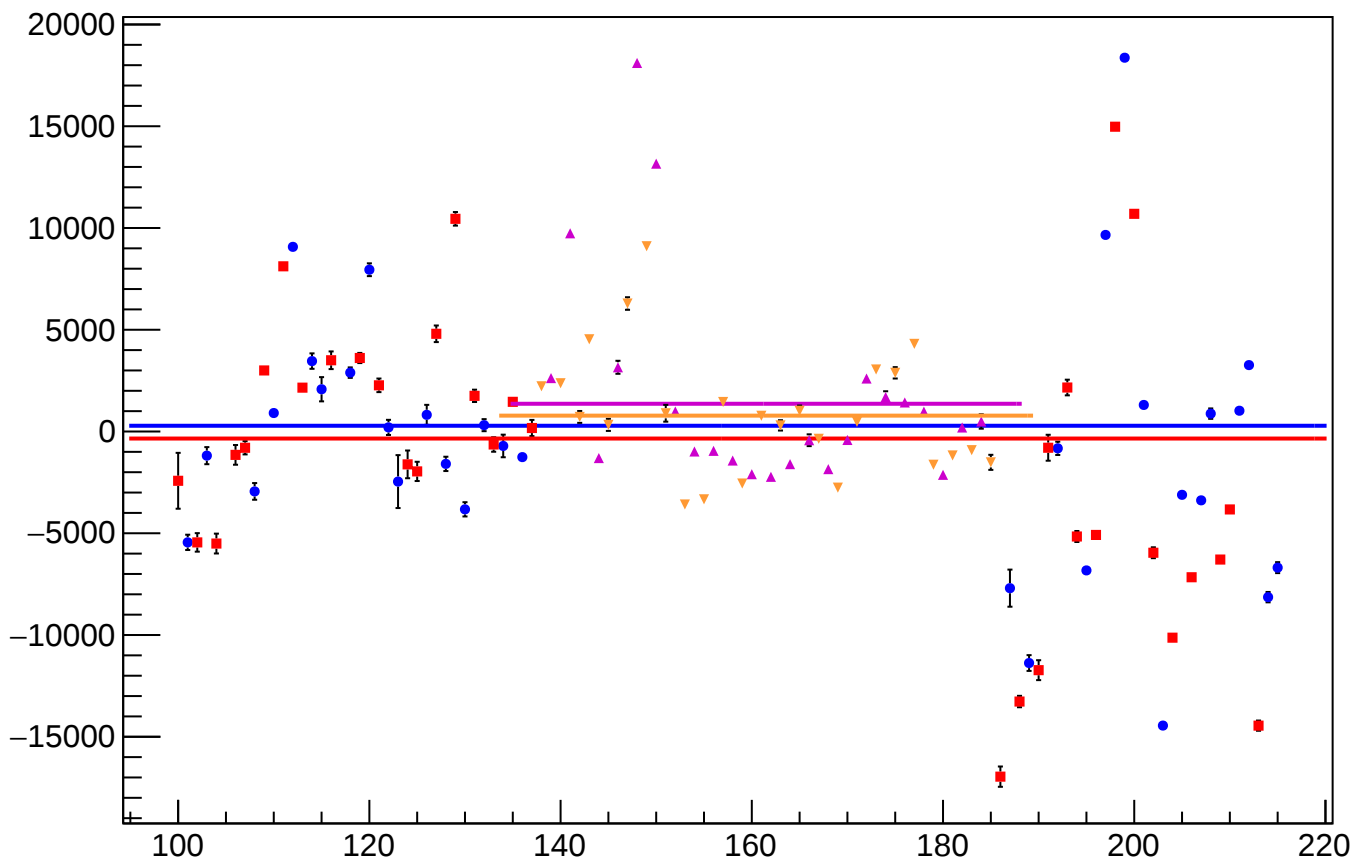
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 184.645 $\pm$ 0.022 χ^2 /NDF: 1633453.4/56

All: 180.114 $\pm$ 0.016 χ^2 /NDF: 3736547.4/113

- sign 175.808 $\pm$ 0.022 χ^2 /NDF: 2022296.3/56

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: -345.795 ± 48.260 $\chi^2/\text{NDF}: 24948.3/33$

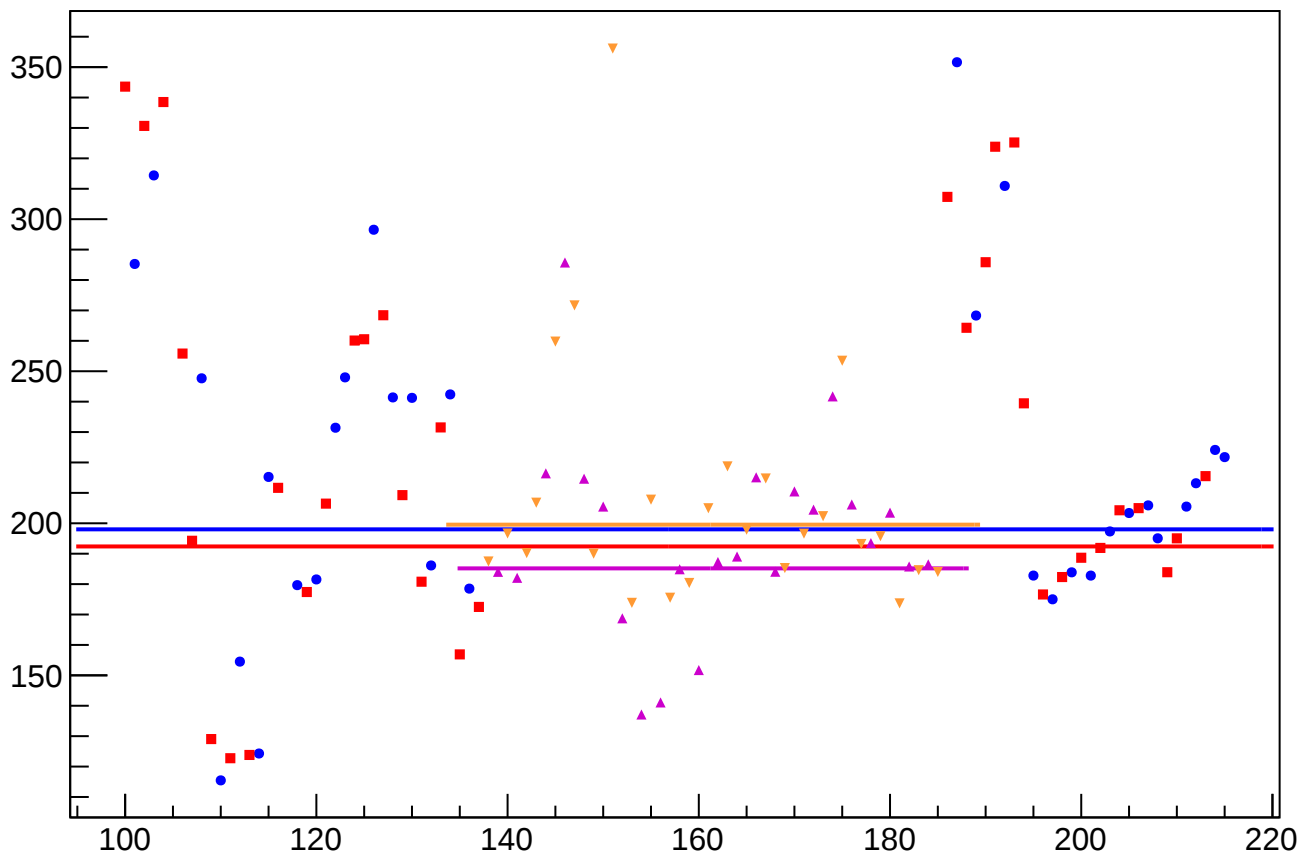
Left In: 1363.043 ± 45.807 $\chi^2/\text{NDF}: 11632.9/22$

+ sign 538.201 ± 34.026 $\chi^2/\text{NDF}: 26643.4/56$

All: 545.859 ± 23.771 $\chi^2/\text{NDF}: 63884.3/113$

- sign 553.160 ± 33.224 $\chi^2/\text{NDF}: 37240.8/56$

asym_bpm0i05WS_rms vs Slug



Right In: 198.008 $\pm$ 0.035 χ^2/NDF : 1468370.0/31

Left Out: 199.547 $\pm$ 0.034 χ^2/NDF : 729356.3/24

Right Out: 192.384 $\pm$ 0.034 χ^2/NDF : 2162853.9/33

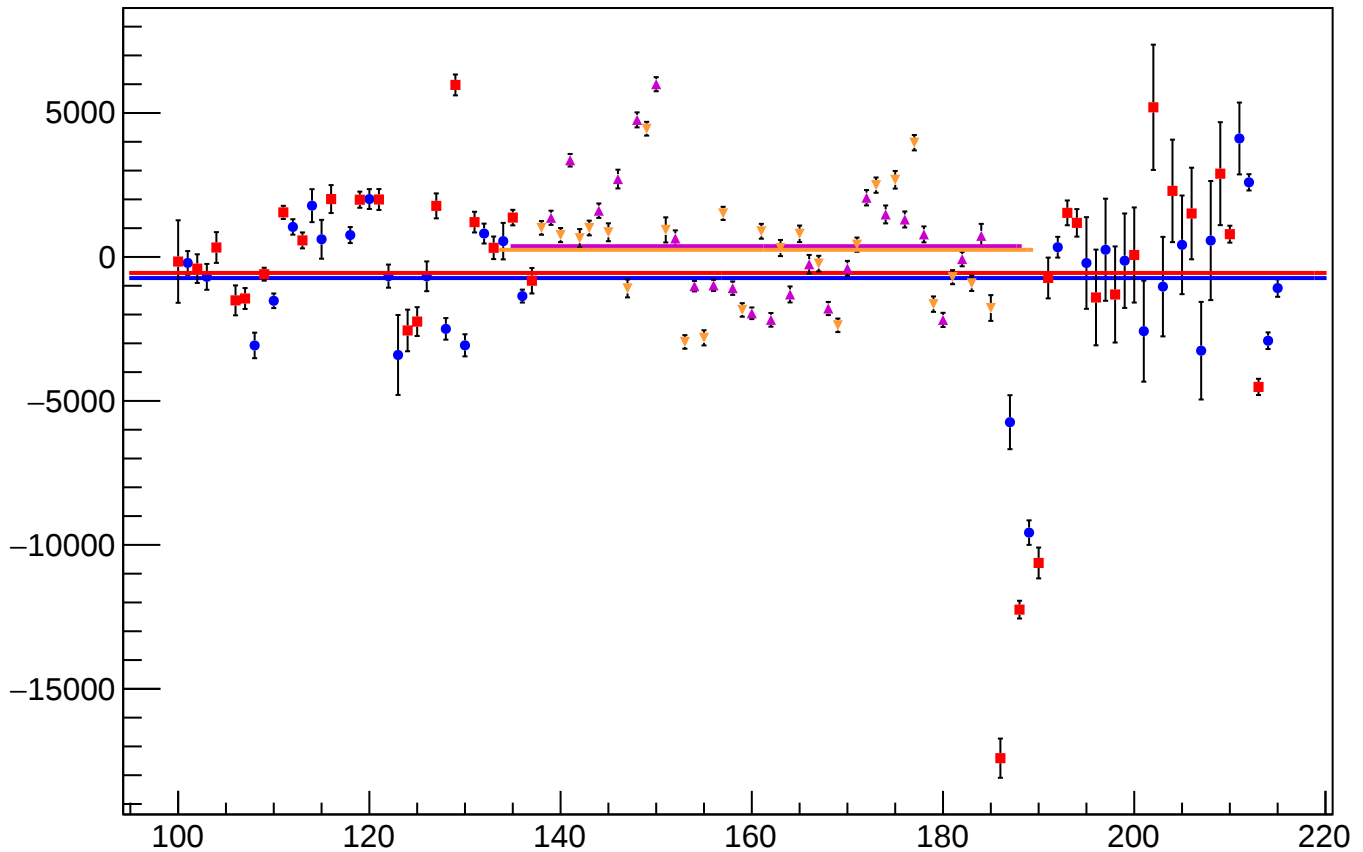
Left In: 185.171 $\pm$ 0.032 χ^2/NDF : 882752.2/22

+ sign 198.799 $\pm$ 0.024 χ^2/NDF : 2198747.3/56

All: 193.572 $\pm$ 0.017 χ^2/NDF : 5360044.6/113

- sign 188.589 $\pm$ 0.023 χ^2/NDF : 3069113.8/56

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: -555.028 ± 70.319 χ^2/NDF : 3400.3/33

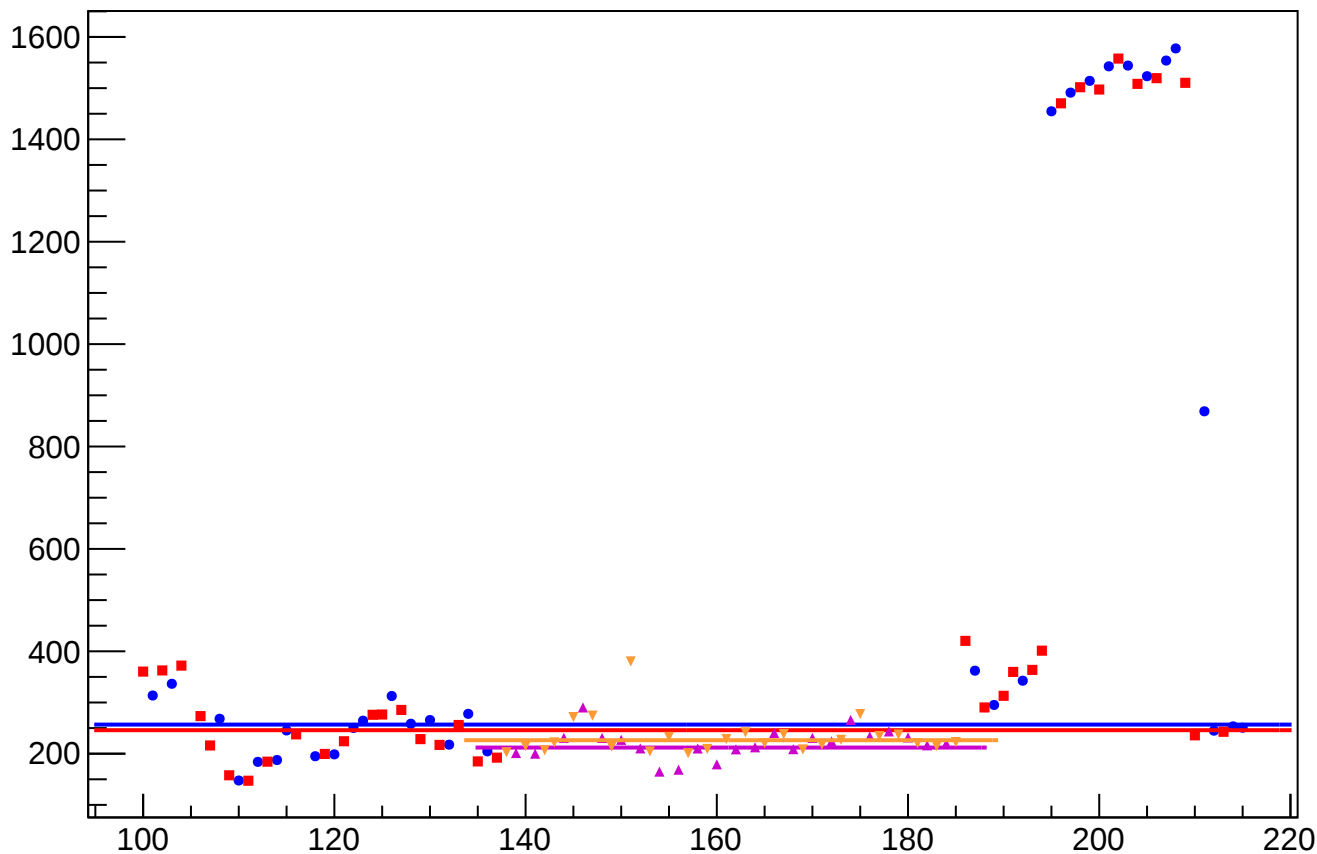
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -86.089 ± 43.499 χ^2/NDF : 2446.6/56

All: -17.863 ± 30.153 χ^2/NDF : 7765.5/113

- sign 45.245 ± 41.835 χ^2/NDF : 5314.1/56

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: 245.898 $\pm$ 0.050 χ^2 /NDF: 9273307.6/33

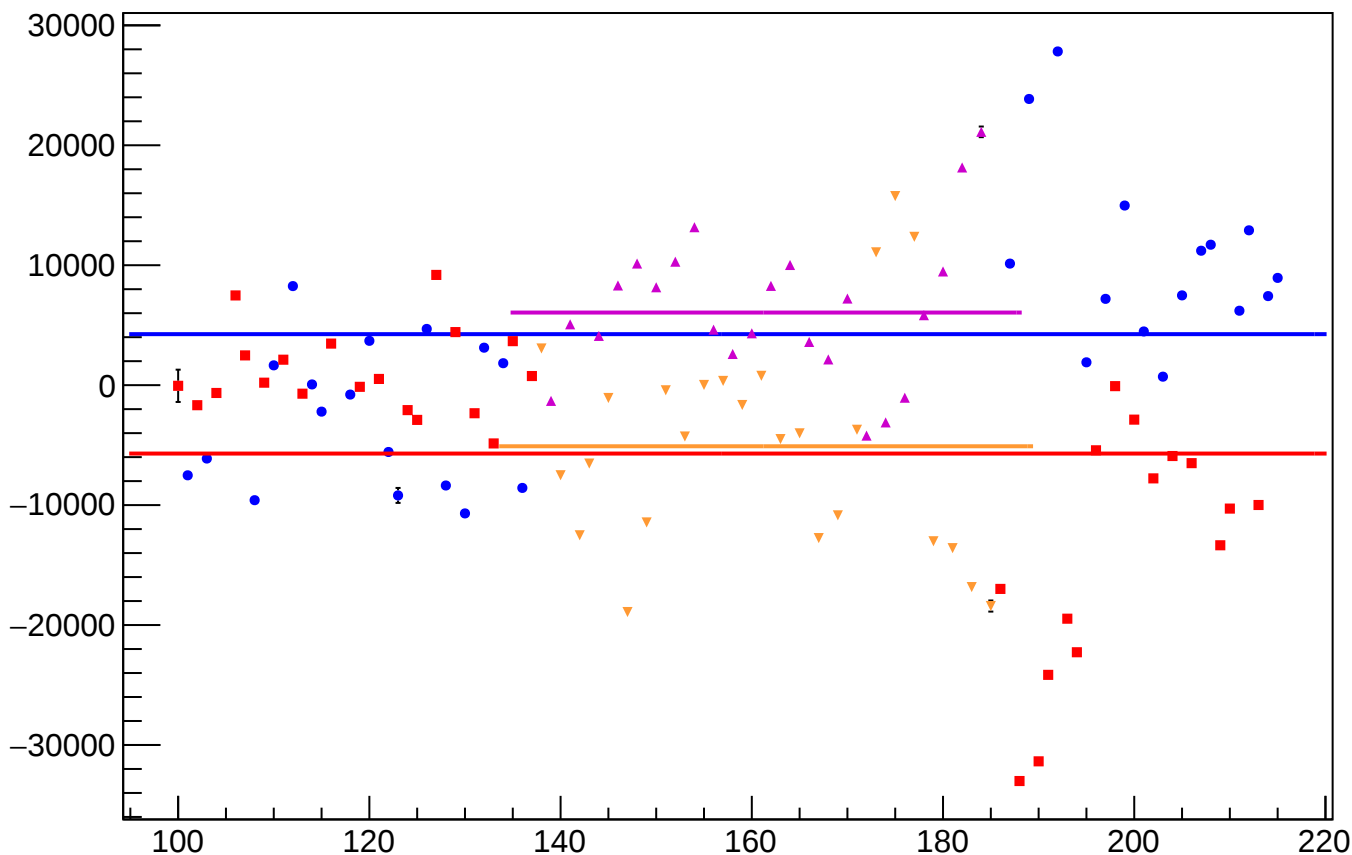
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 236.705 $\pm$ 0.031 χ^2 /NDF: 10888959.7/56

All: 230.094 $\pm$ 0.021 χ^2 /NDF: 21136339.0/11

- sign 223.979 $\pm$ 0.030 χ^2 /NDF: 10158448.2/56

asym_bpm1i02WS_mean vs Slug



Right In: 4252.380+/-33.717 χ^2/NDF : 80123.8/31

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5703.034+/-32.712 χ^2/NDF : 103898.9/33

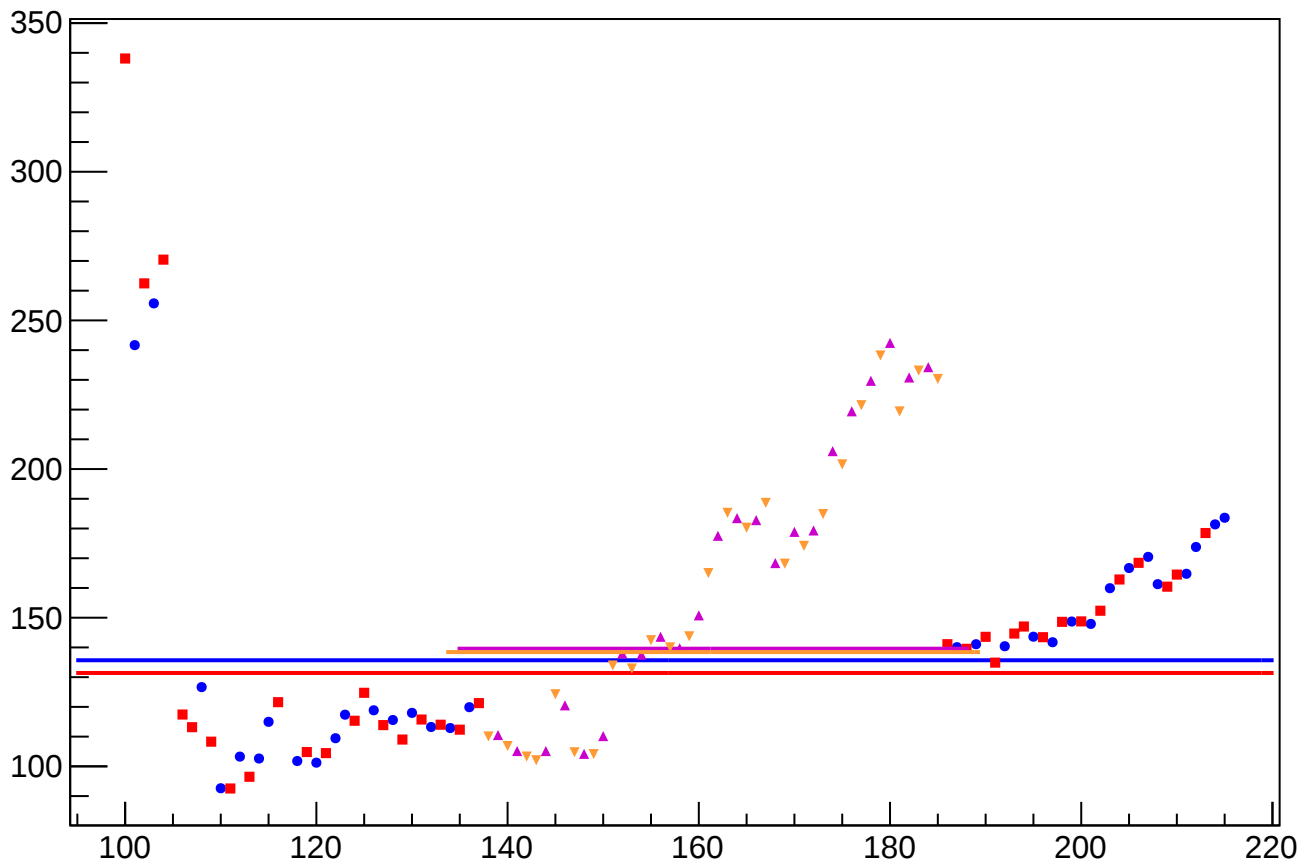
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -423.394+/-23.837 χ^2/NDF : 172965.1/56

All: -322.592+/-16.877 χ^2/NDF : 354717.9/11

- sign -221.271+/-23.898 χ^2/NDF : 181717.0/56

asym_bpm1i02WS_rms vs Slug



Right In: 135.684+/-0.024 χ^2/NDF : 1632037.2/31

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 131.408+/-0.023 χ^2/NDF : 1585555.3/33

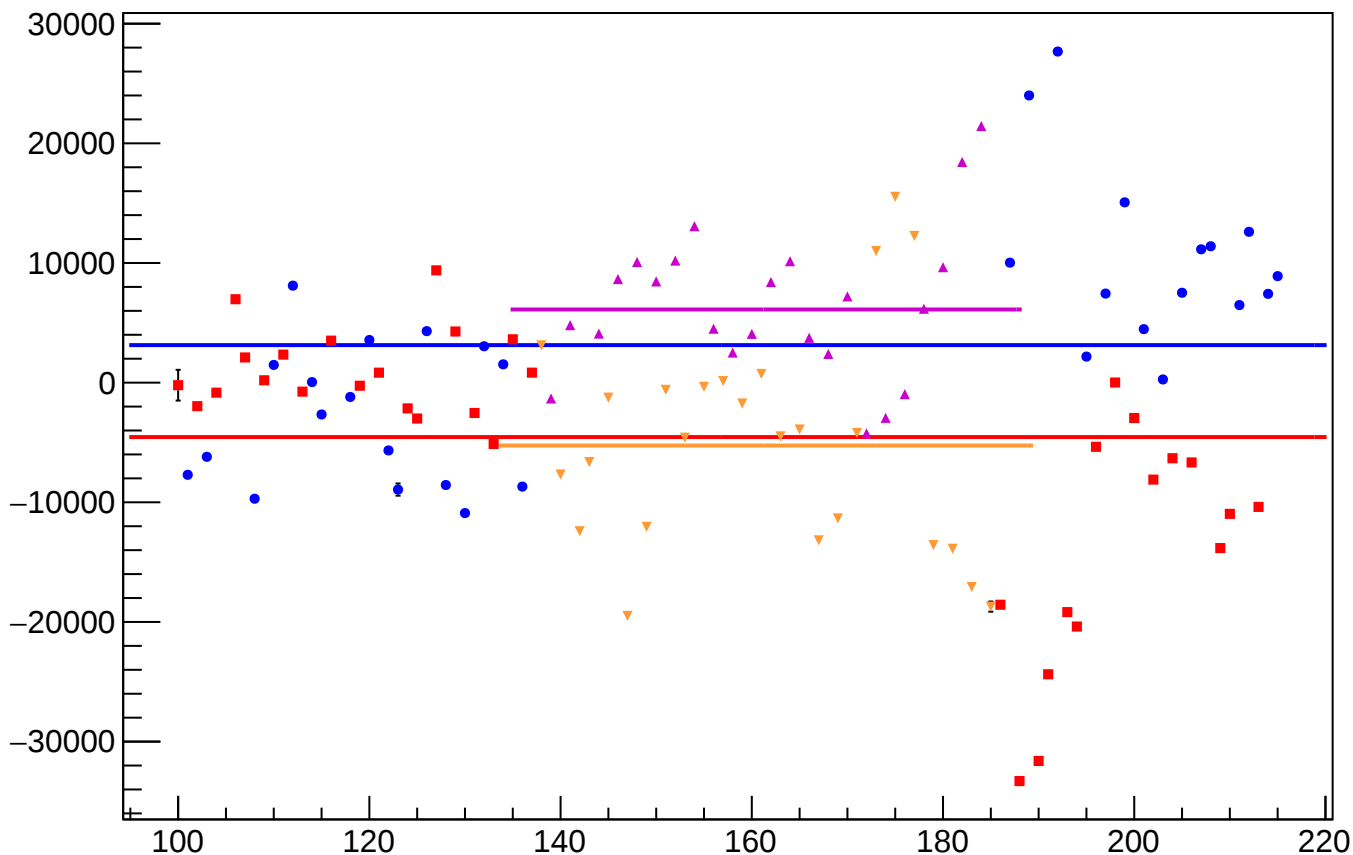
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 137.060+/-0.017 χ^2/NDF : 4188136.2/56

All: 136.141+/-0.012 χ^2/NDF : 8251489.0/113

- sign 135.217+/-0.017 χ^2/NDF : 4057388.1/56

asym_bpm1i04WS_mean vs Slug



Right In: 3135.453 ± 30.263 $\chi^2/\text{NDF}: 91084.9/31$

Left Out: -5255.652 ± 30.622 $\chi^2/\text{NDF}: 64324.6/24$

Right Out: -4547.836 ± 29.462 $\chi^2/\text{NDF}: 113733.0/33$

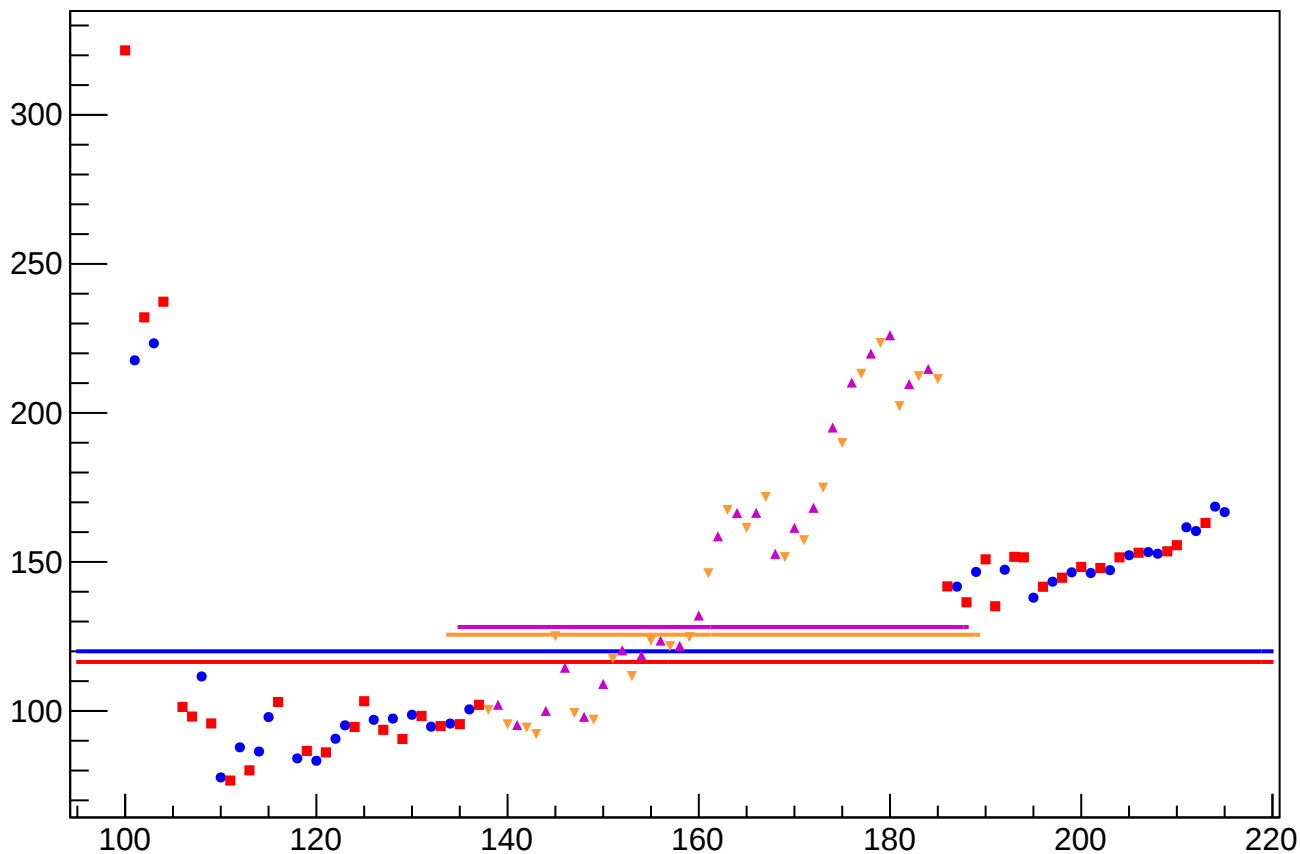
Left In: 6114.901 ± 32.126 $\chi^2/\text{NDF}: 21260.9/22$

+ sign -1010.636 ± 21.525 $\chi^2/\text{NDF}: 193396.3/56$

All: -349.521 ± 15.287 $\chi^2/\text{NDF}: 390130.5/11$

- sign 323.222 ± 21.713 $\chi^2/\text{NDF}: 194830.9/56$

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: 116.437+/-0.021 χ^2/NDF : 2474336.2/33

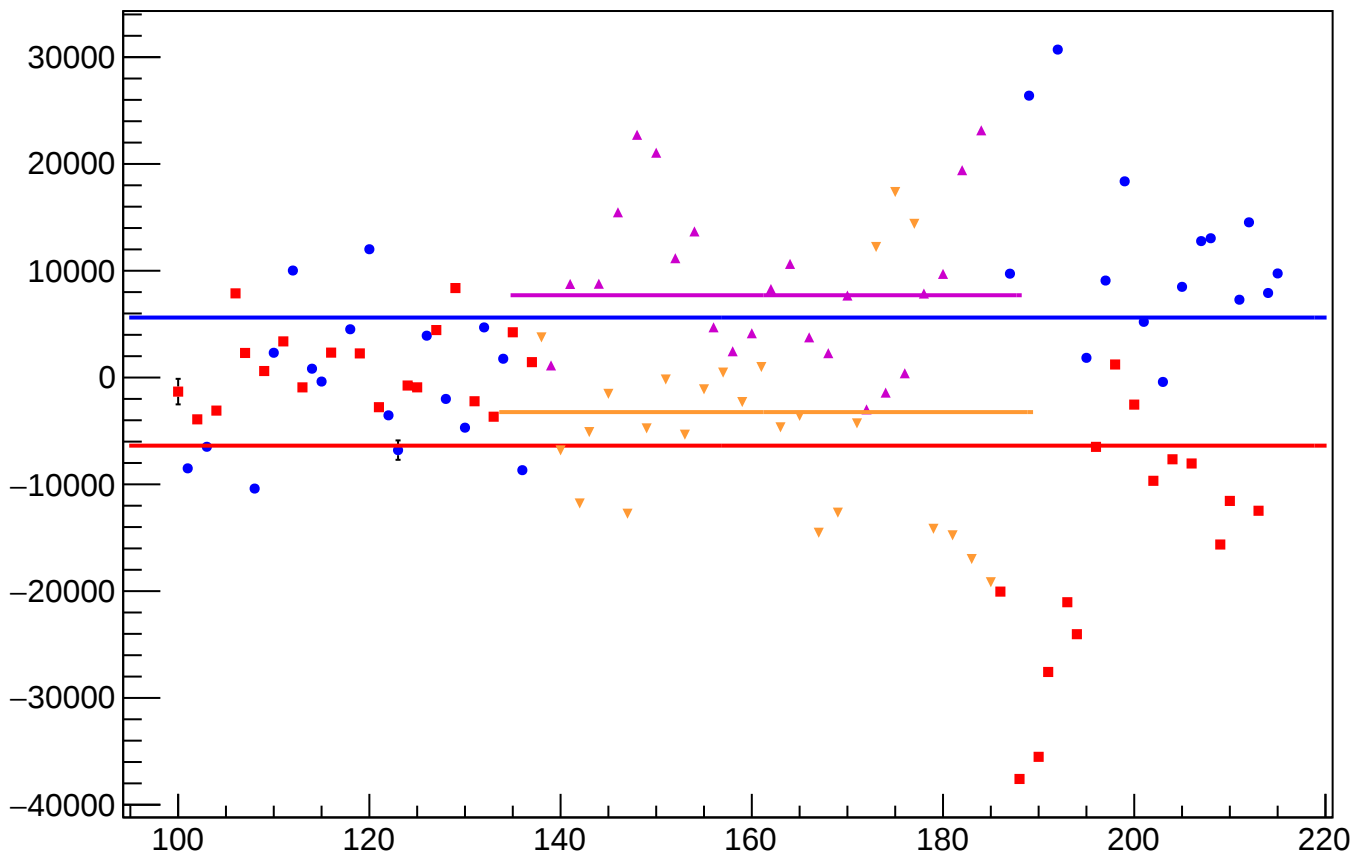
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 122.763+/-0.015 χ^2/NDF : 5074405.8/56

All: 122.287+/-0.011 χ^2/NDF : 10028934.9/11

- sign 121.803+/-0.015 χ^2/NDF : 4952556.4/56

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: -6376.236+/-38.871 χ^2/NDF : 93443.9/33

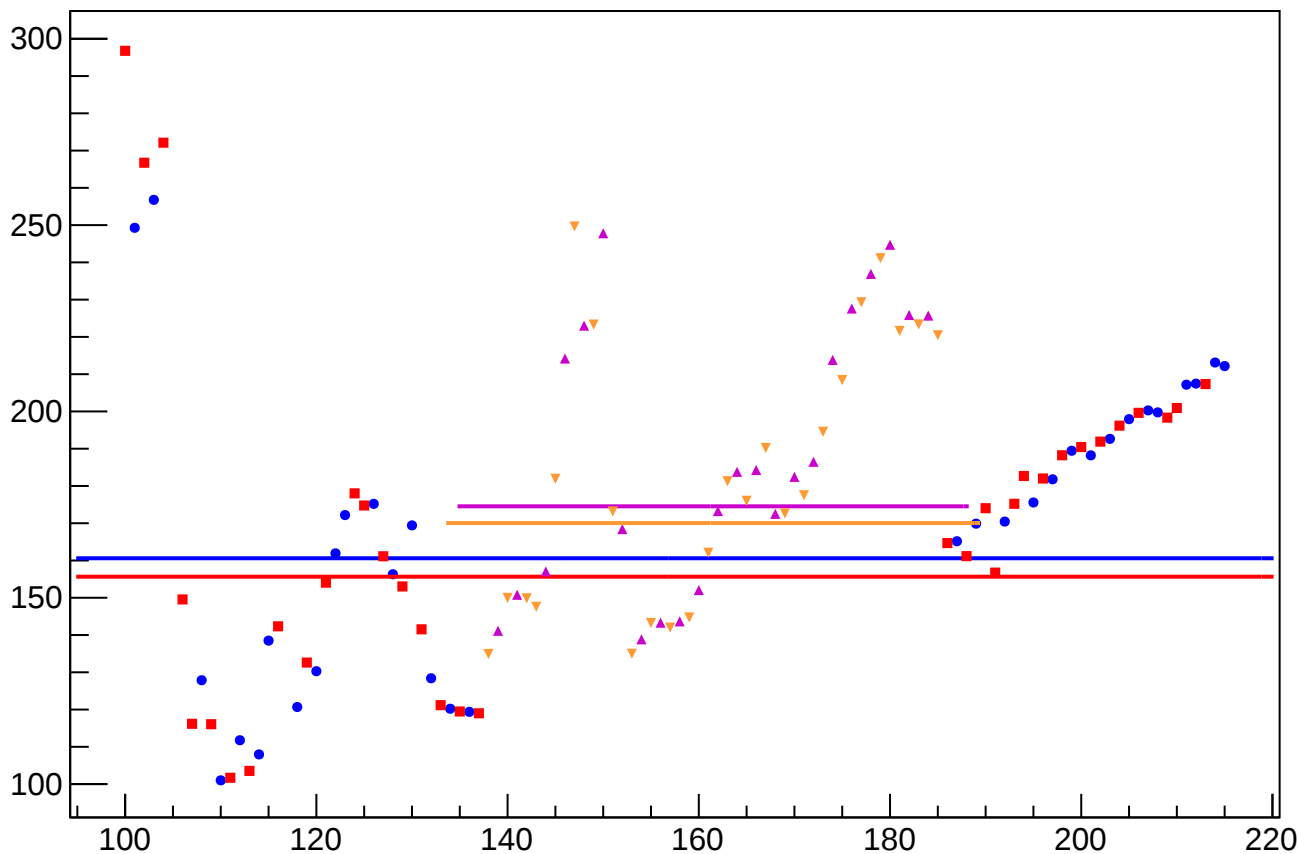
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 1257.675+/-28.481 χ^2/NDF : 123790.9/56

All: 616.133+/-20.262 χ^2/NDF : 298575.5/113

- sign -41.330+/-28.833 χ^2/NDF : 173757.3/56

asym_bpm1i06WS_rms vs Slug



Right In: 160.599 $\pm$ 0.028 χ^2 /NDF: 1901246.5/31

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 155.655 $\pm$ 0.027 χ^2 /NDF: 1888899.4/33

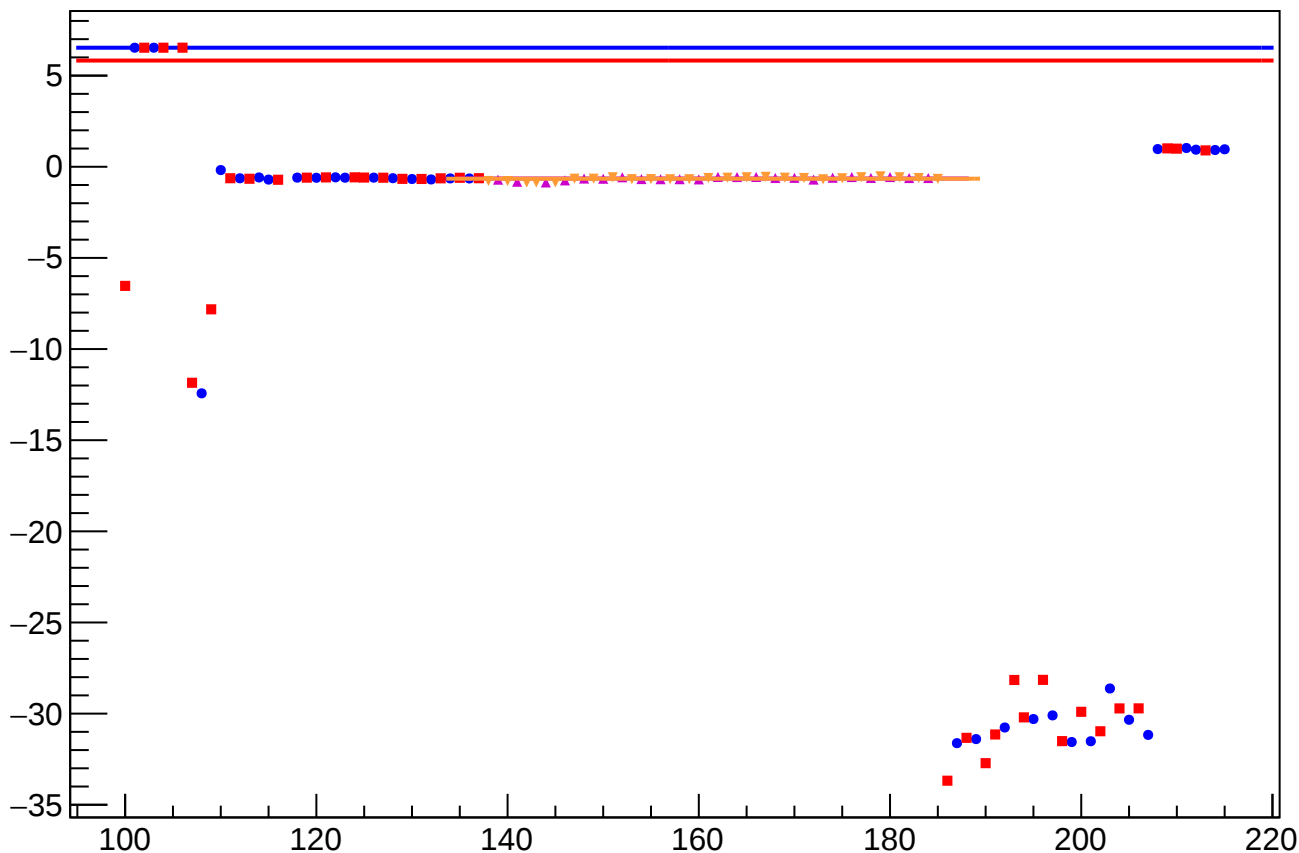
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 165.254 $\pm$ 0.020 χ^2 /NDF: 3197148.6/56

All: 164.708 $\pm$ 0.014 χ^2 /NDF: 6509933.4/113

- sign 164.149 $\pm$ 0.020 χ^2 /NDF: 3311299.1/56

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: 755951738191681.8/33

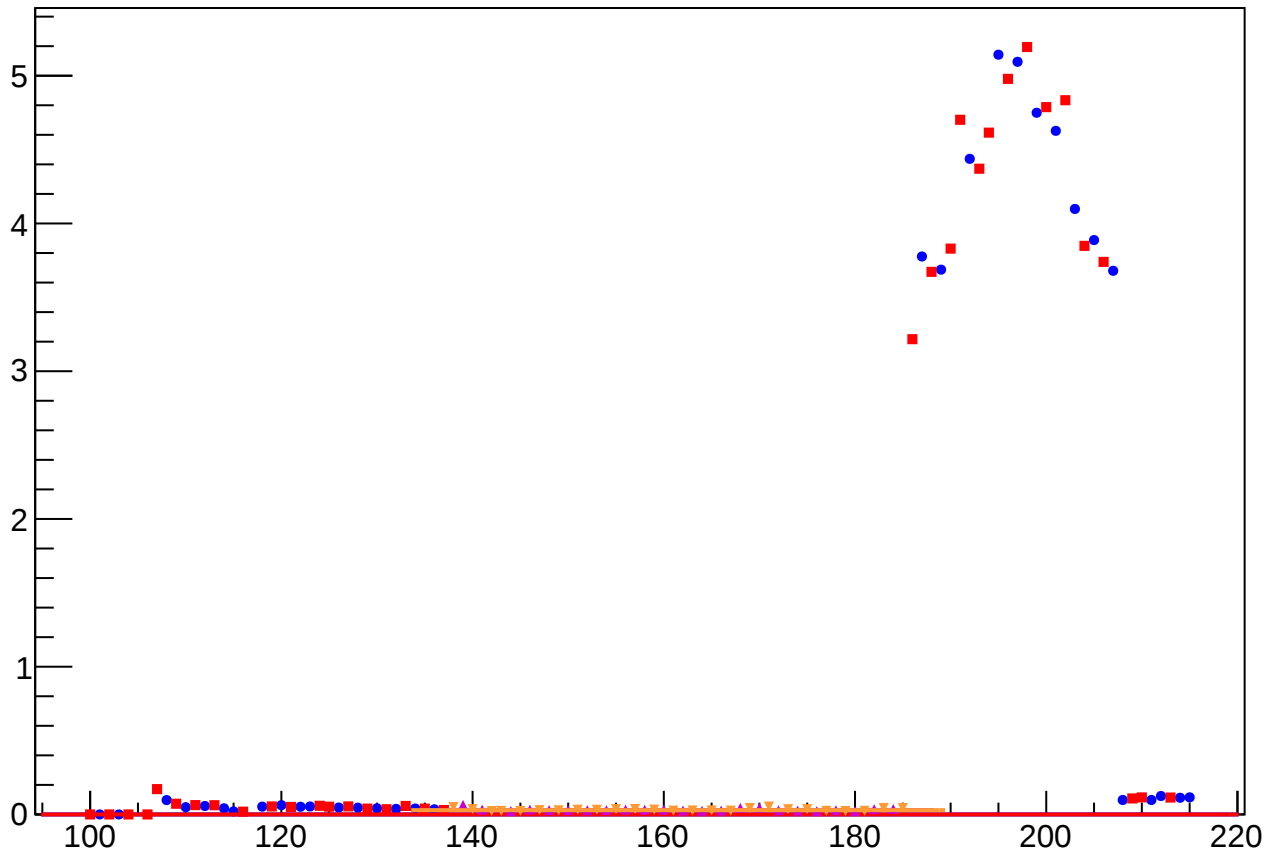
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1008353142990.0/56

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77761461056976

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756623080894224.9/

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 : 29049862.2/33

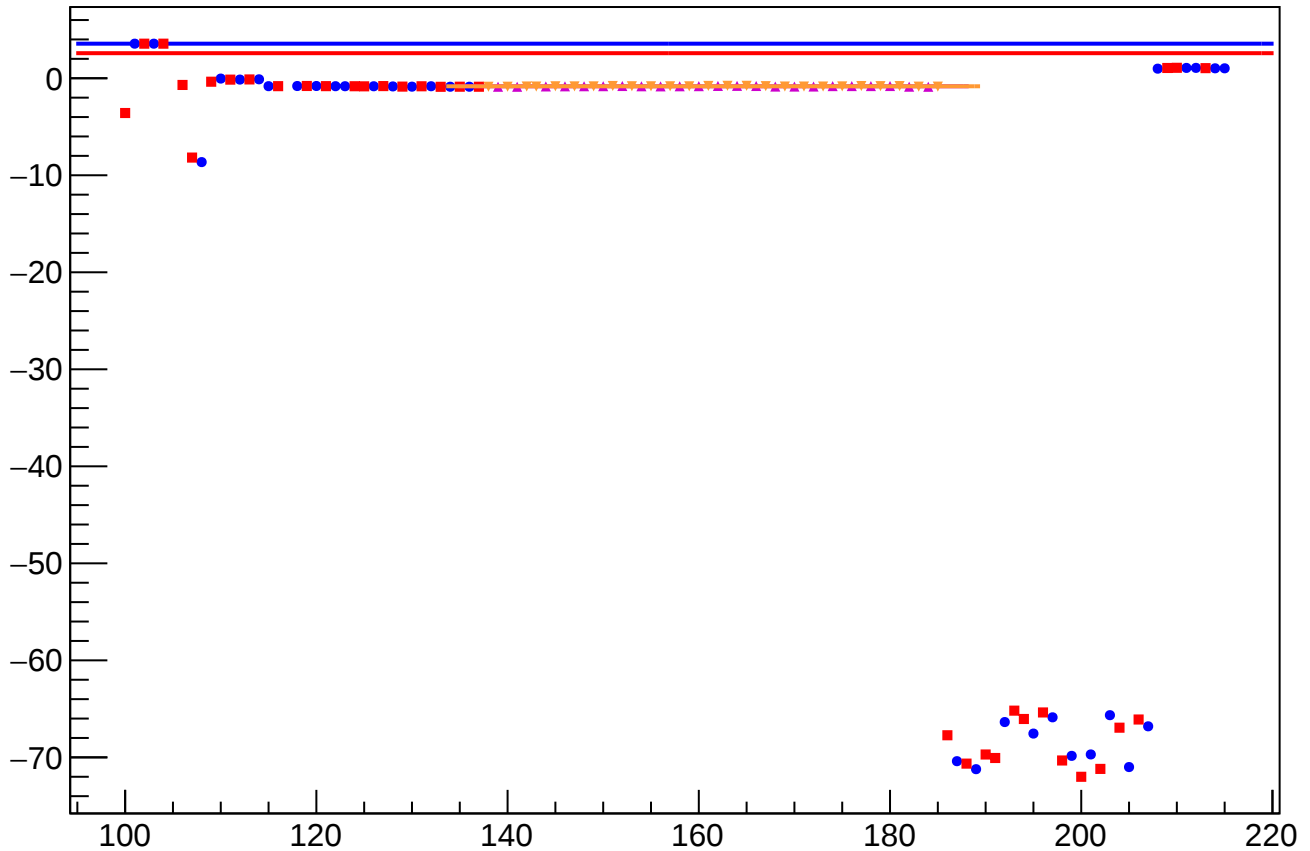
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 59615693.0/56

All: 0.000+/-0.000 χ^2/NDF : 116631628.2/113

- sign 0.000+/-0.000 χ^2/NDF : 57015152.3/56

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 : 1253549061871063.8/33

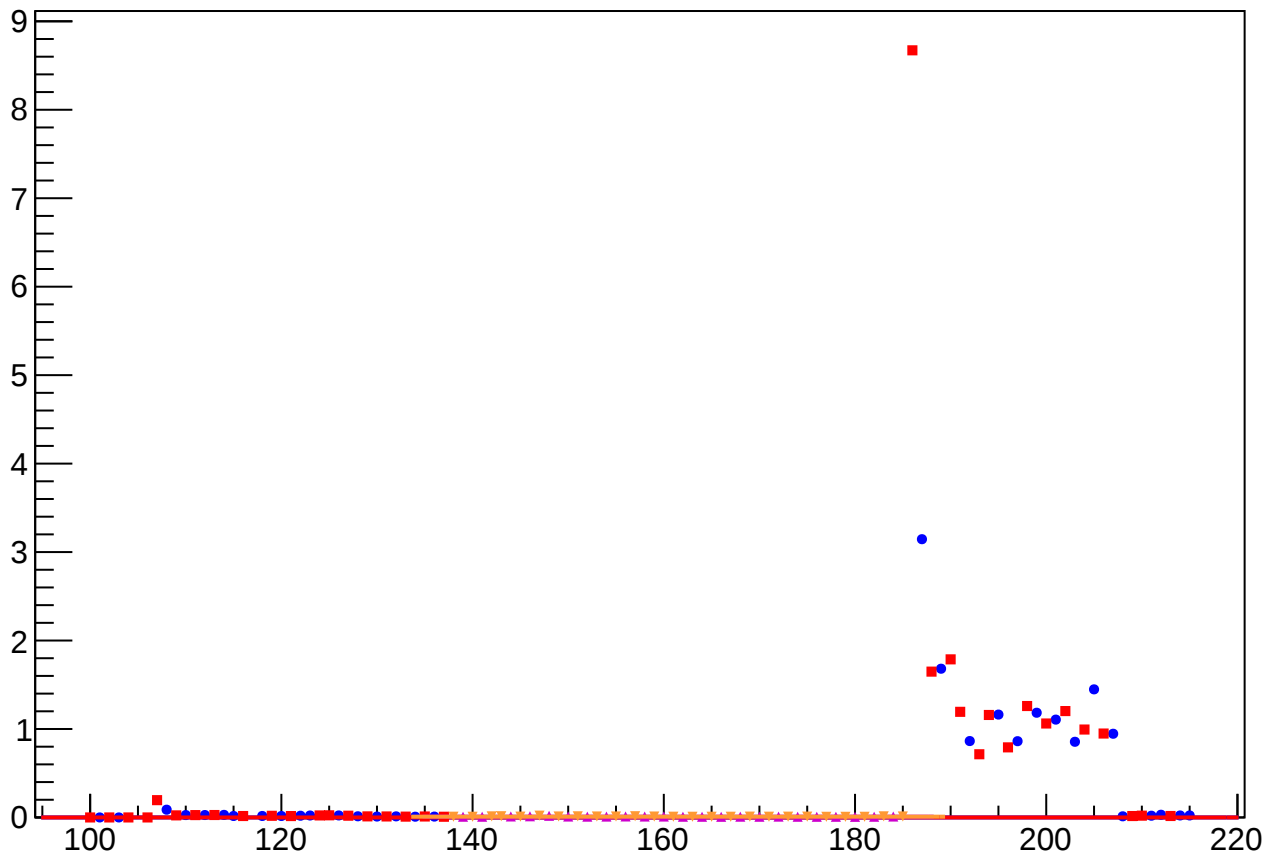
Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4240873921324.6/56

All: 3.038+/-0.000 χ^2/NDF : 13880584475329

- sign 2.581+/-0.000 χ^2/NDF : 1255749068436547.0

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 : 26942214.3/33

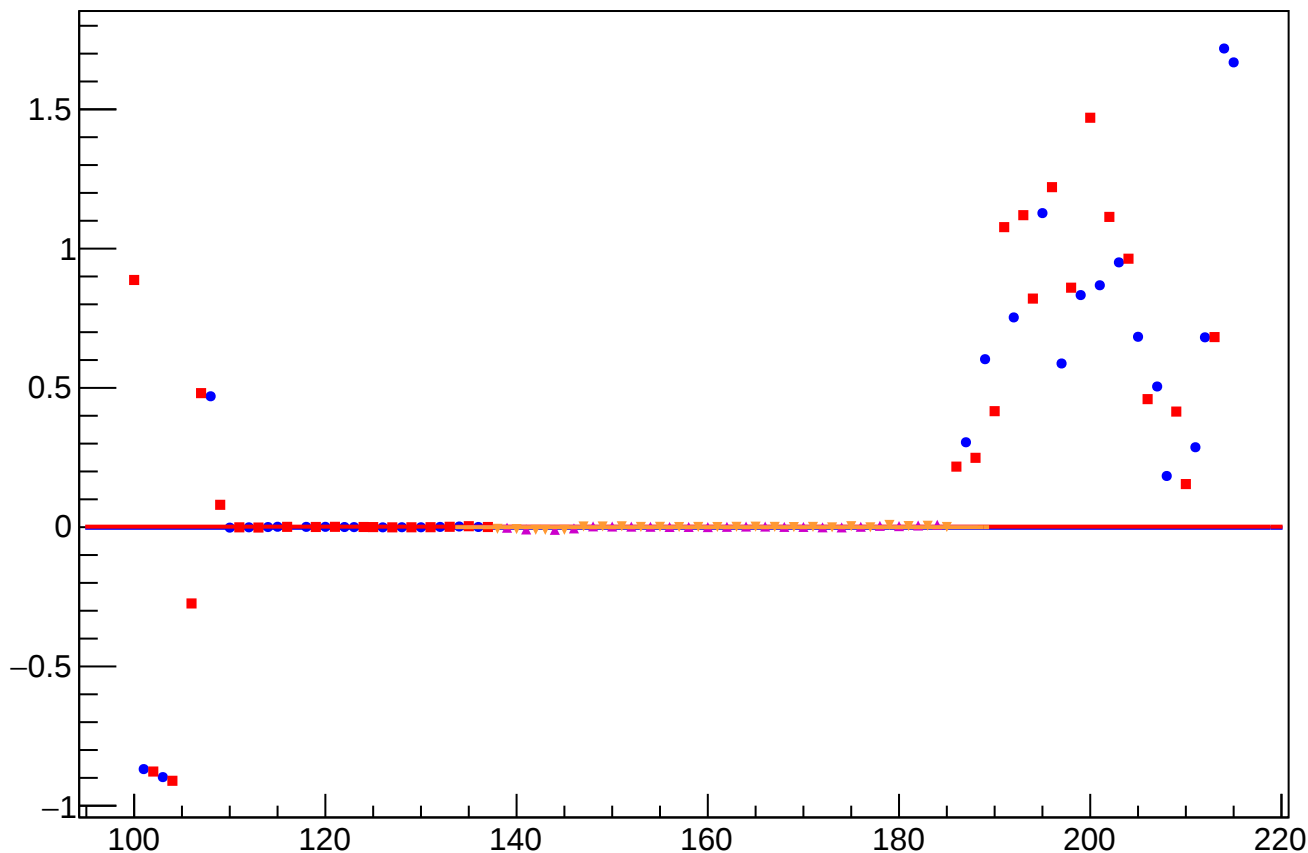
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 58504434.7/56

All: 0.000+/-0.000 χ^2/NDF : 114990866.9/113

- sign 0.000+/-0.000 χ^2/NDF : 56485119.0/56

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9797769609.7/31$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151482851.1/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3043746940.9/33$

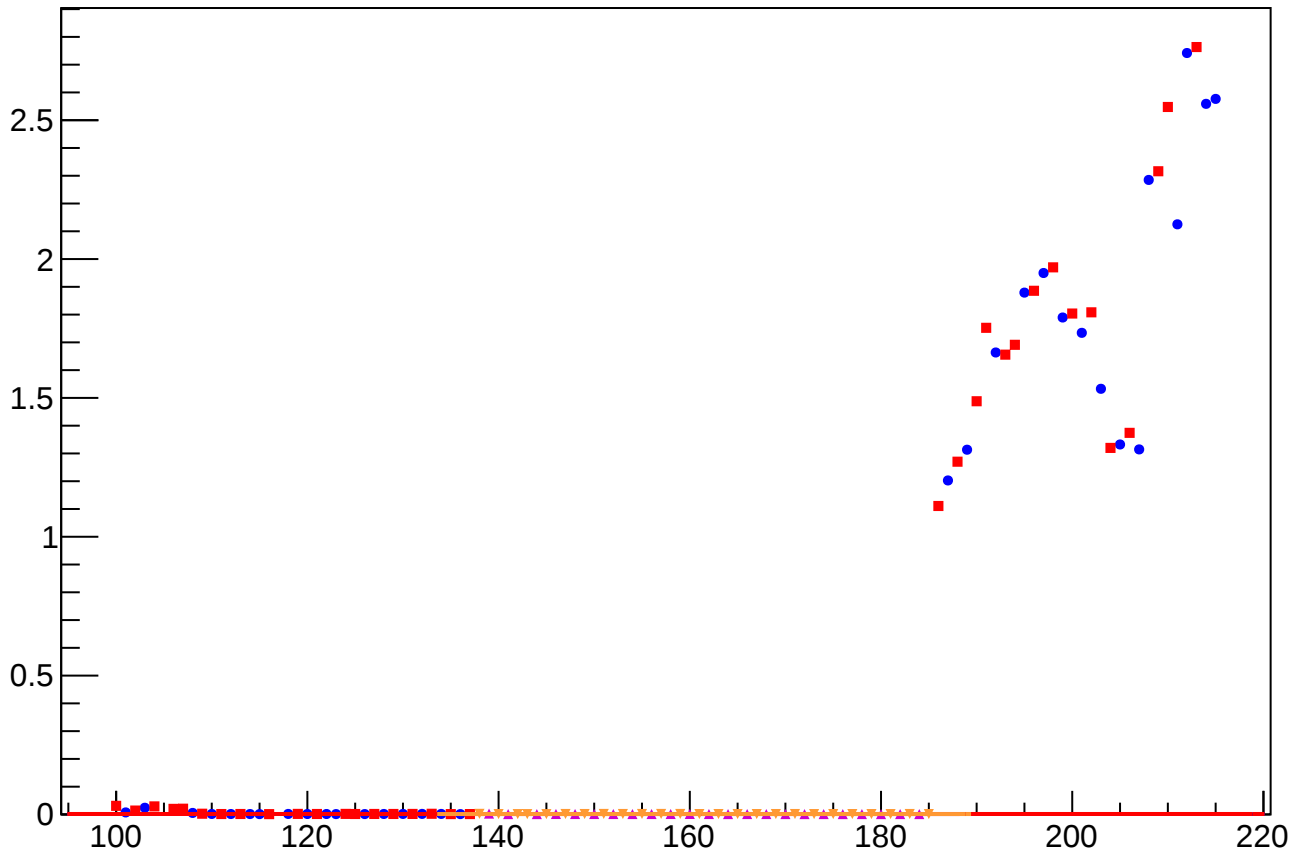
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101439617.3/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9955782360.1/56$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13110518565.9/100$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3147155314.2/56$

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 22637494.9/31

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539817.3/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 22698185.4/33

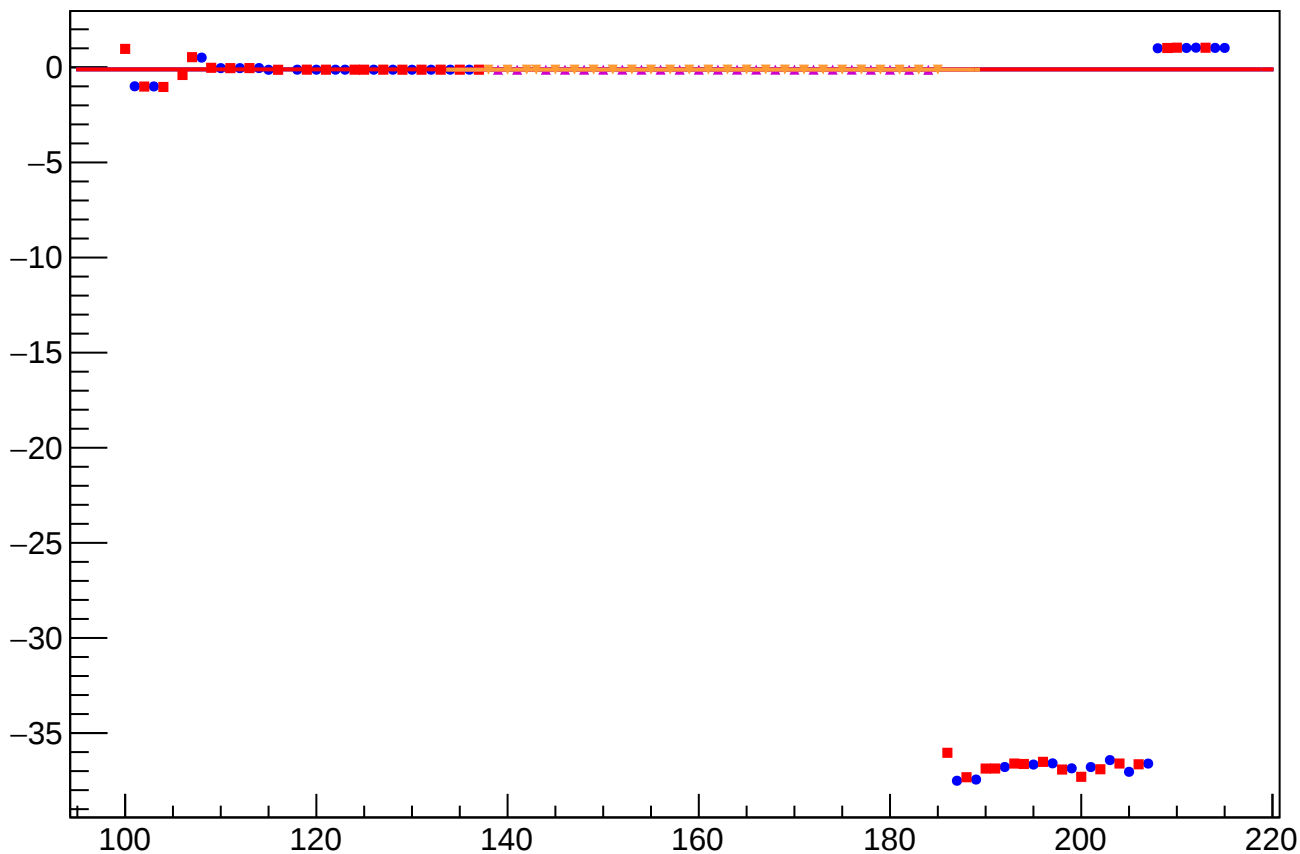
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:626044.8/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 23250515.3/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 46694773.1/113

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 23435332.4/56

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: -0.107 ± 0.000 $\chi^2/\text{NDF}: 87770981460.9/33$

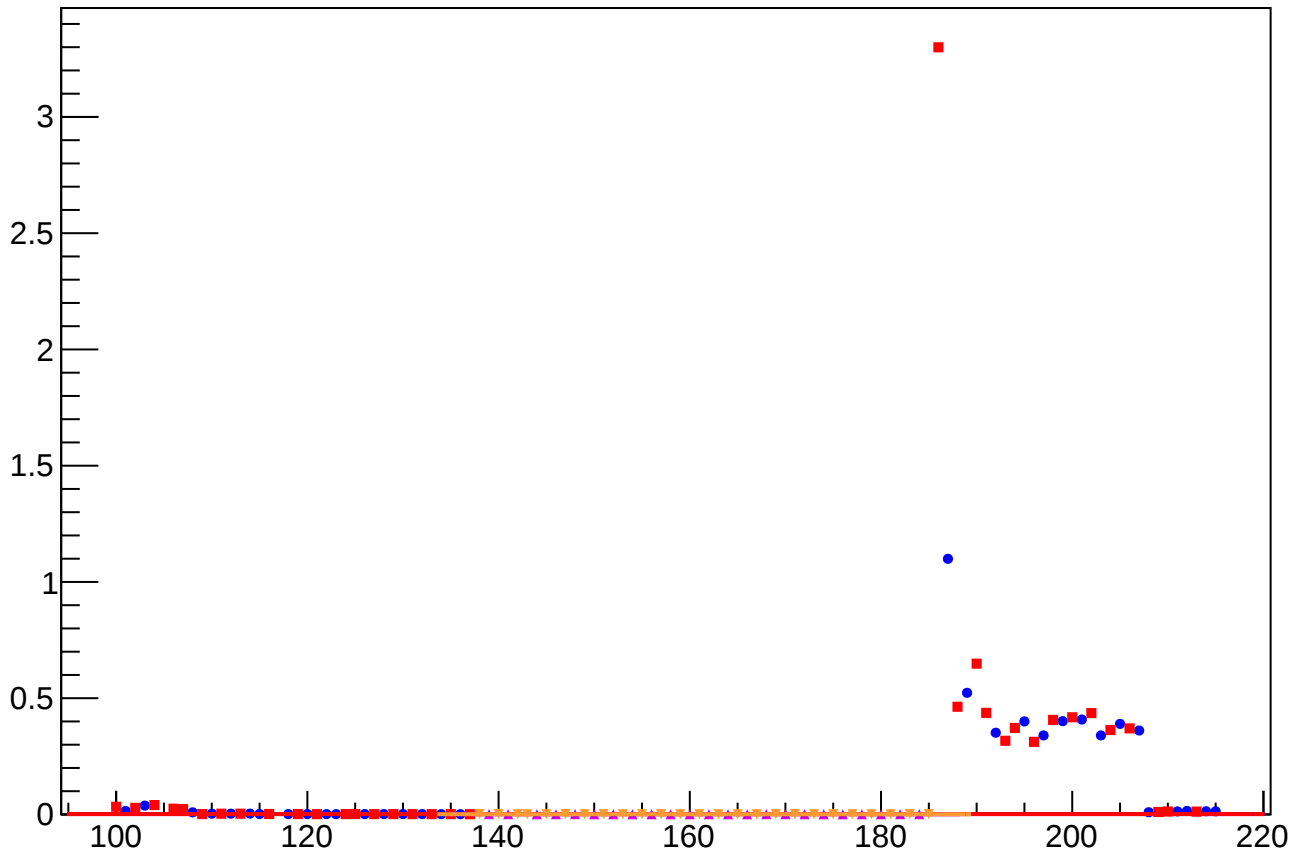
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 52113932.9/22$

+ sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 92486724728.9/56$

All: -0.120 ± 0.000 $\chi^2/\text{NDF}: 180623496247.2$

- sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 88135396837.6/56$

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 : 21615882.4/33

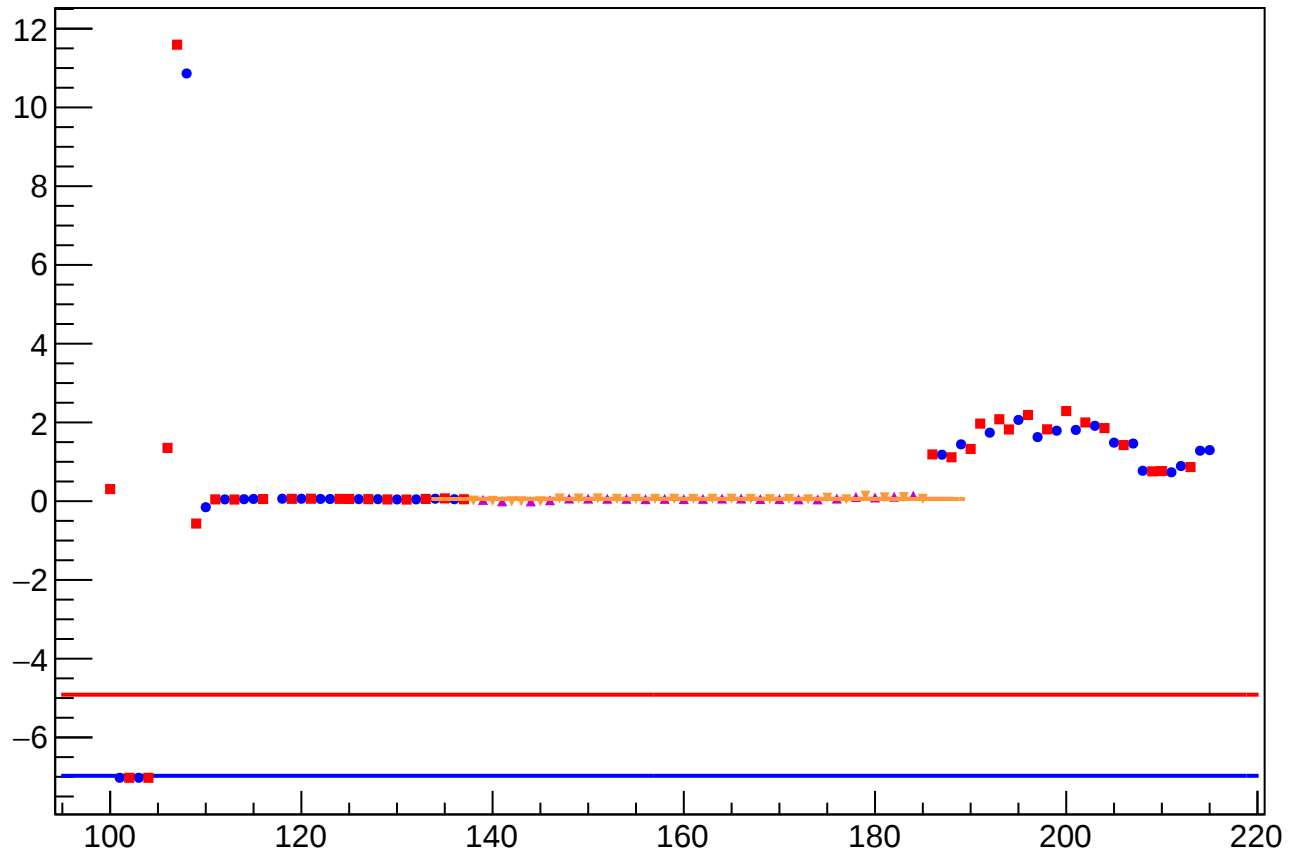
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 24397453.9/56

All: 0.001+/-0.000 χ^2/NDF : 48474870.6/113

- sign 0.001+/-0.000 χ^2/NDF : 24076638.5/56

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8797972349608.9/31$

Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243682351.4/24$

Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365352939436107.6/33$

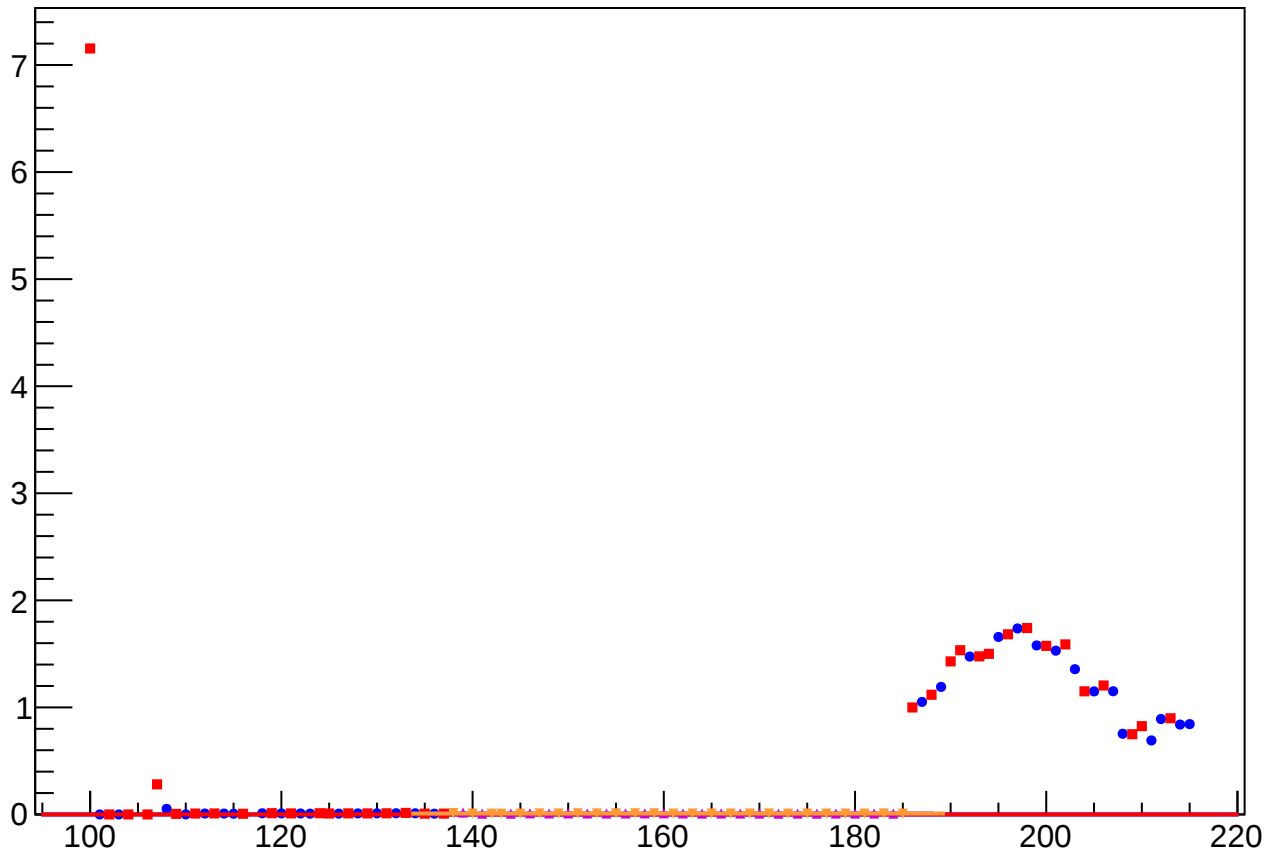
Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178541521.9/22$

+ sign -6.921 ± 0.000 $\chi^2/\text{NDF}: 18424279653409.8/31$

All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435293951040.0/31$

- sign -4.882 ± 0.000 $\chi^2/\text{NDF}: 369731957976531.8/31$

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 : 28485107.5/33

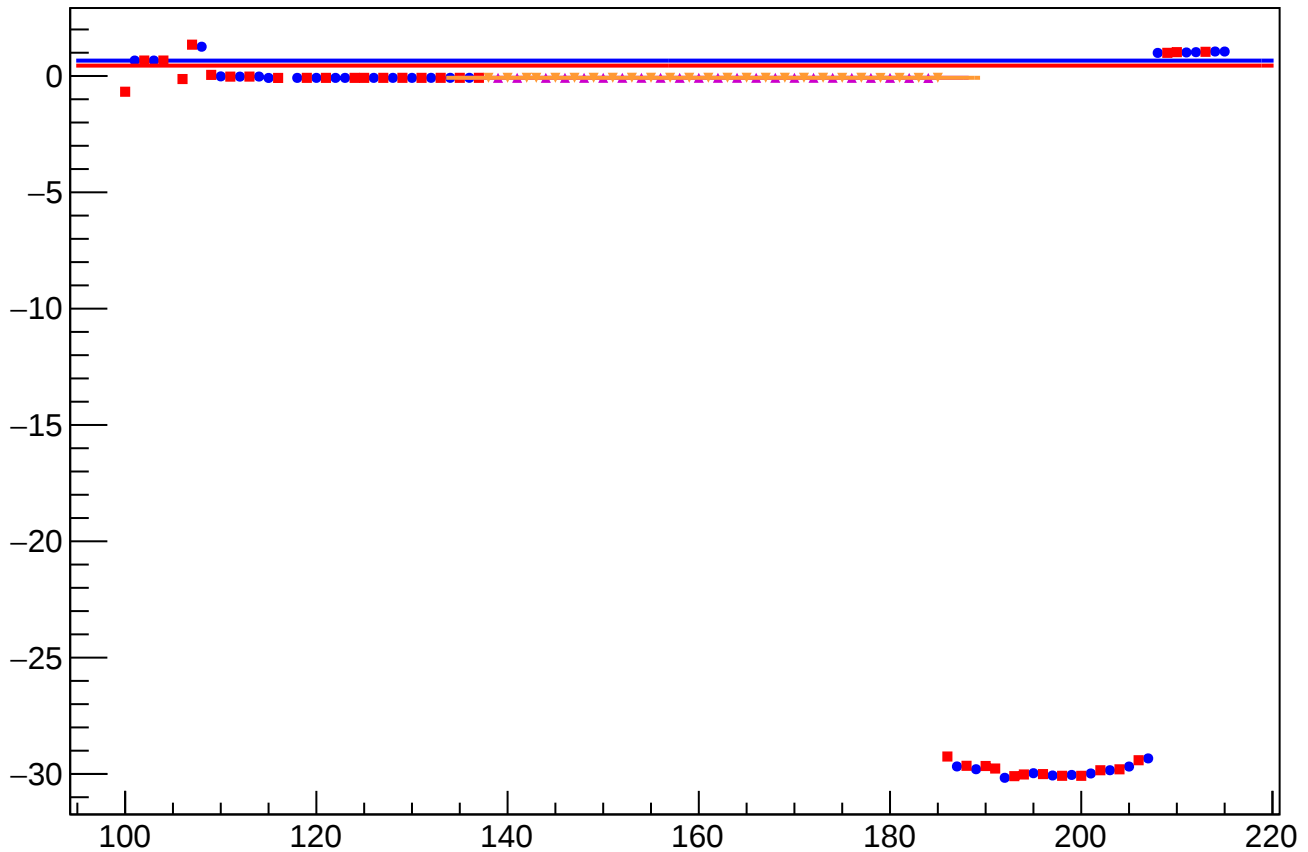
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 57991559.0/56

All: 0.000+/-0.000 χ^2/NDF : 113936694.6/113

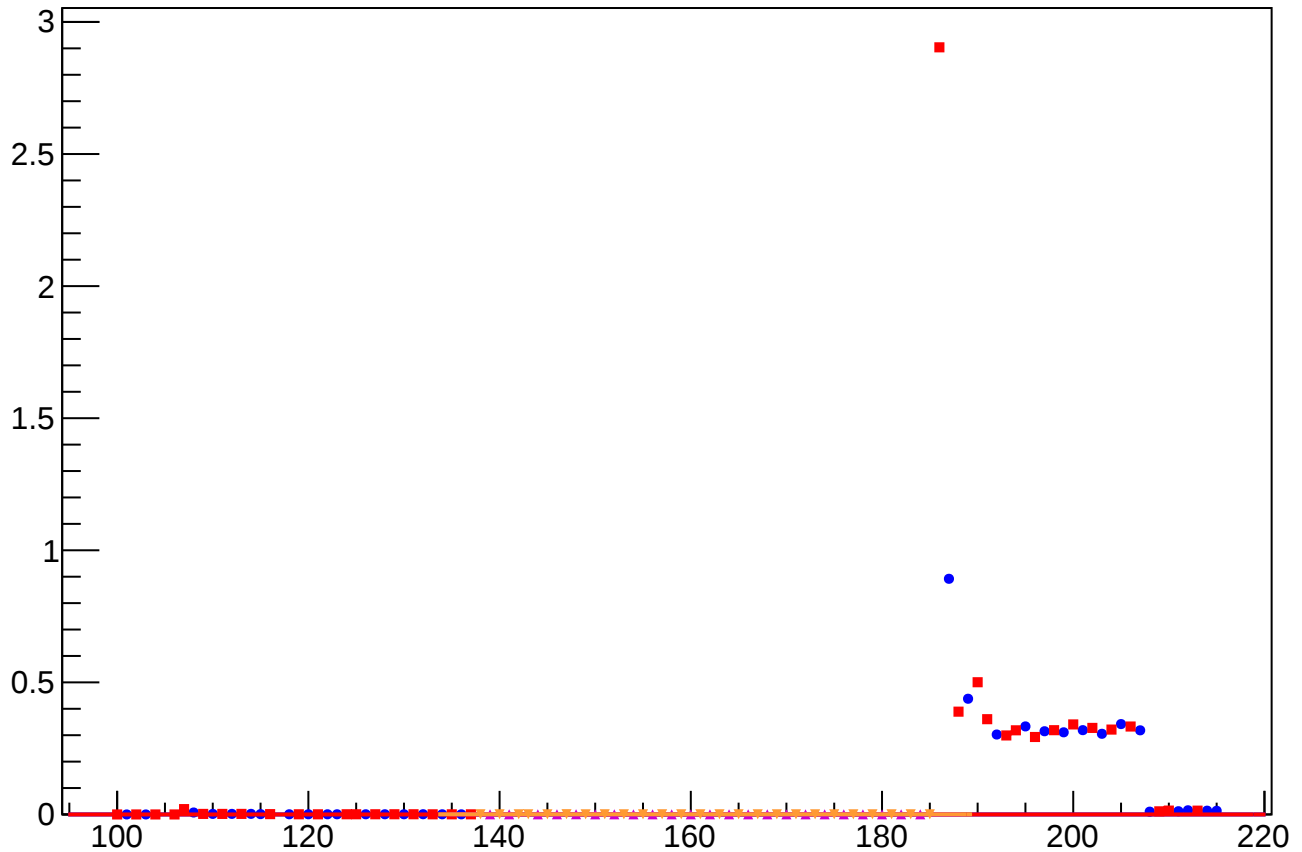
- sign 0.000+/-0.000 χ^2/NDF : 55940262.8/56

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000	χ^2/NDF : 5721815407373.9/31	+ sign 0.646+/-0.000	χ^2/NDF : 35820809851047.9/5
Left Out: -0.078+/-0.000	χ^2/NDF : 156404795.7/24	All: 0.537+/-0.000	χ^2/NDF : 51597472310750
Right Out: 0.446+/-0.000	χ^2/NDF : 405494269861149.1/33	- sign 0.437+/-0.000	χ^2/NDF : 419616416145853.3/
Left In: -0.077+/-0.000	χ^2/NDF : 110762924.1/22		

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 30484525.1/31

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29048800.9/33

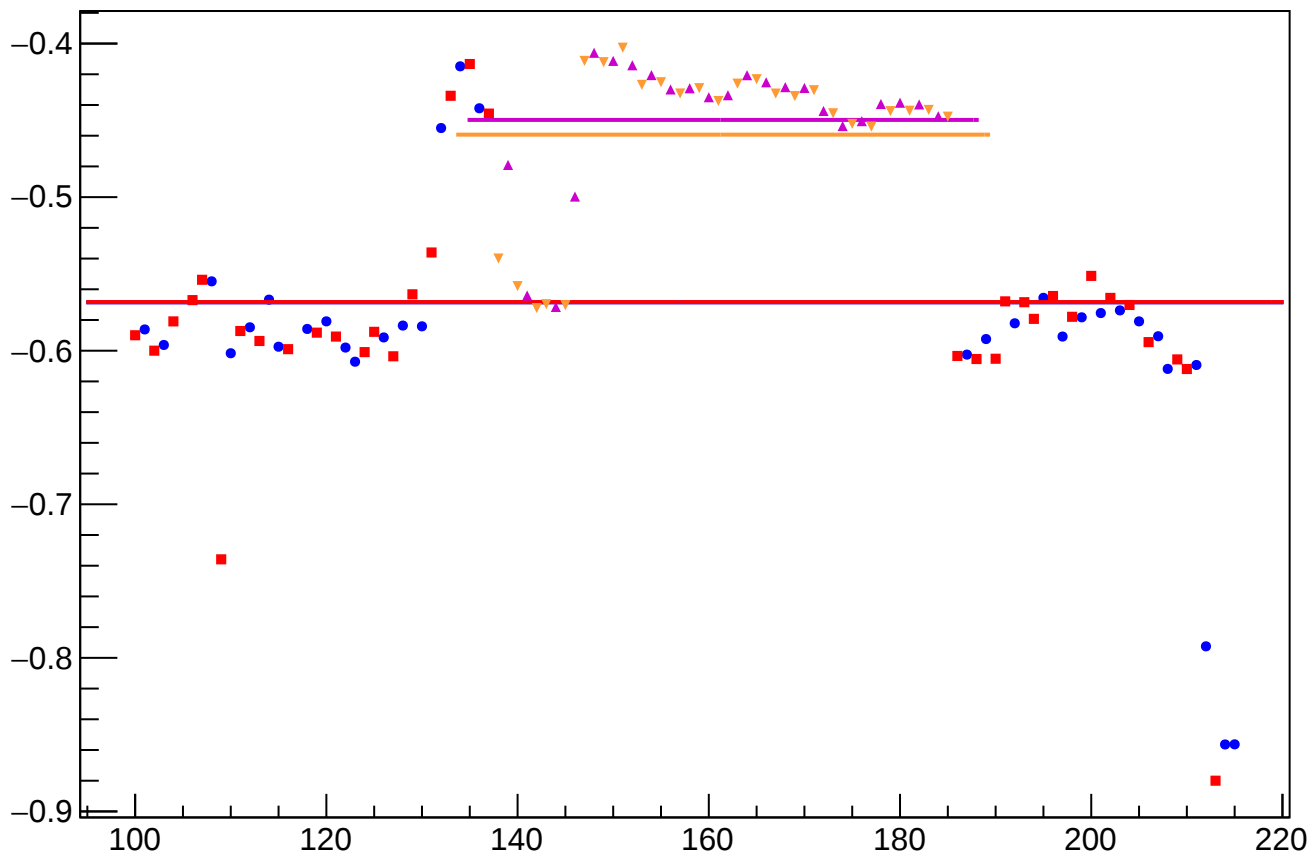
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 63026042.3/56

All: 0.000+/-0.000 χ^2/NDF : 122869632.7/113

- sign 0.000+/-0.000 χ^2/NDF : 59835351.4/56

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: -0.568+/-0.000 χ^2/NDF : 88888204.3/33

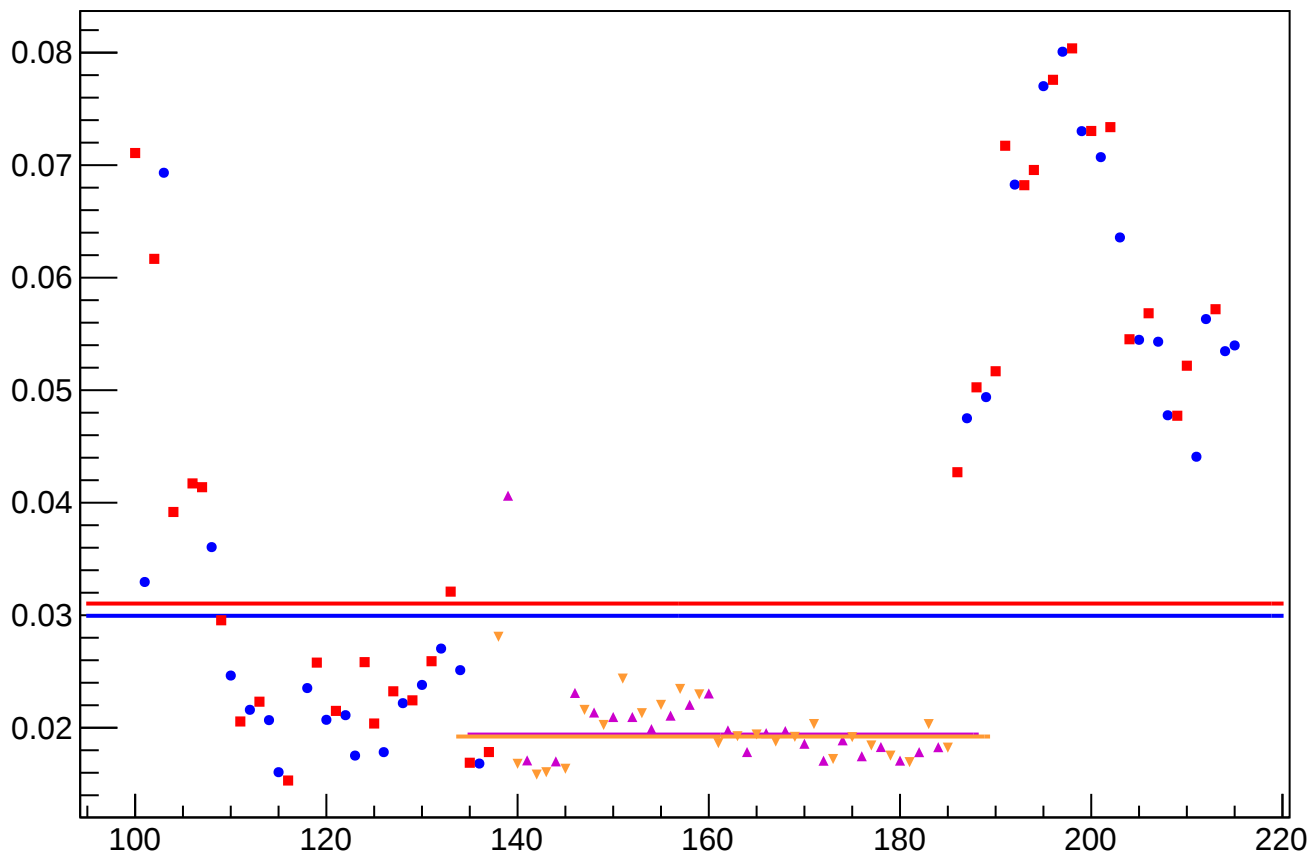
Left In: -0.450+/-0.000 χ^2/NDF : 76117957.8/22

+ sign -0.487+/-0.000 χ^2/NDF : 339695913.2/56

All: -0.484+/-0.000 χ^2/NDF : 638488632.8/11

- sign -0.480+/-0.000 χ^2/NDF : 297493801.6/56

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: 7178050.8/33

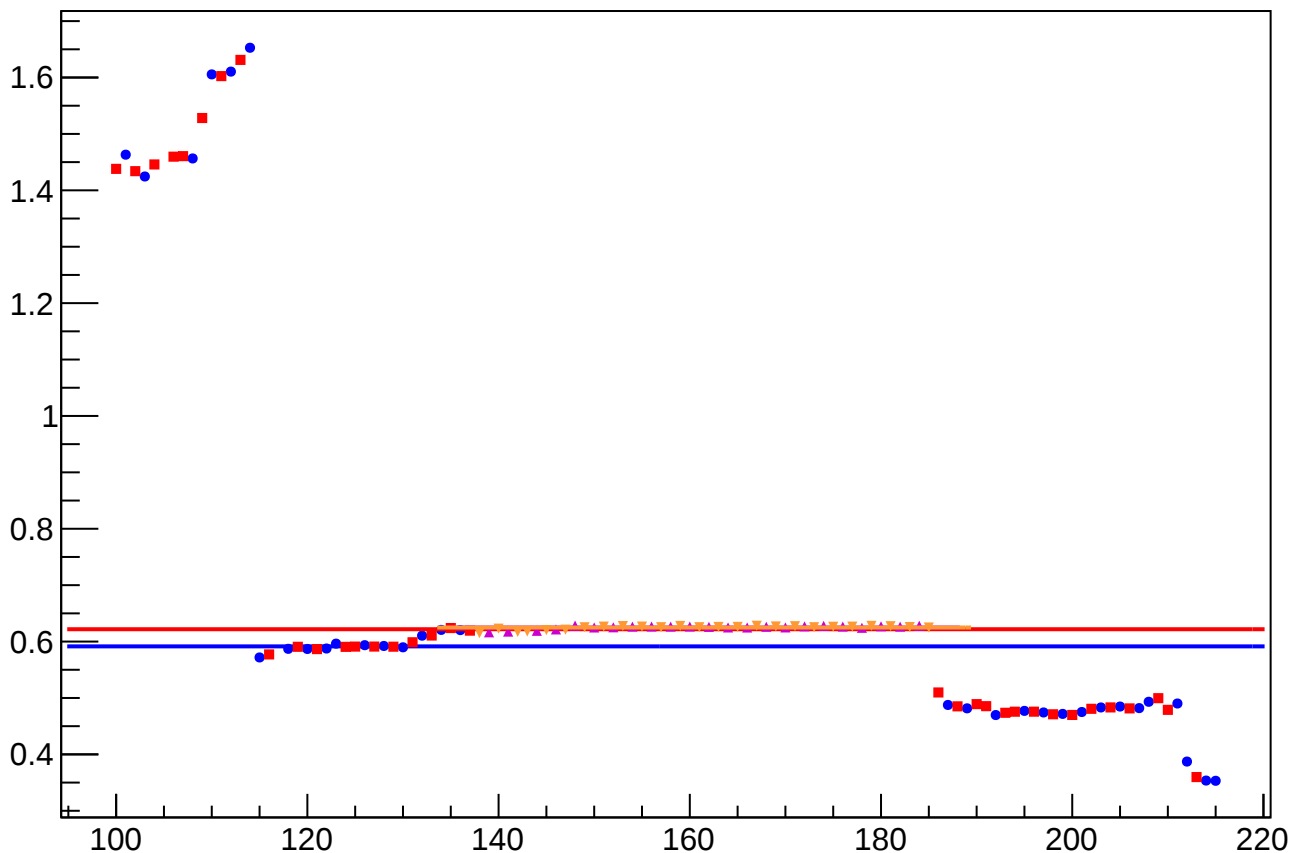
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 626443.5/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10361929.2/56

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 20728882.2/113

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10357946.4/56

yield_bpm4aY_mean vs Slug



Right In: 0.591 $\pm$ 0.000 χ^2 /NDF: 5489624932.0/31

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.622 $\pm$ 0.000 χ^2 /NDF: 6321067552.2/33

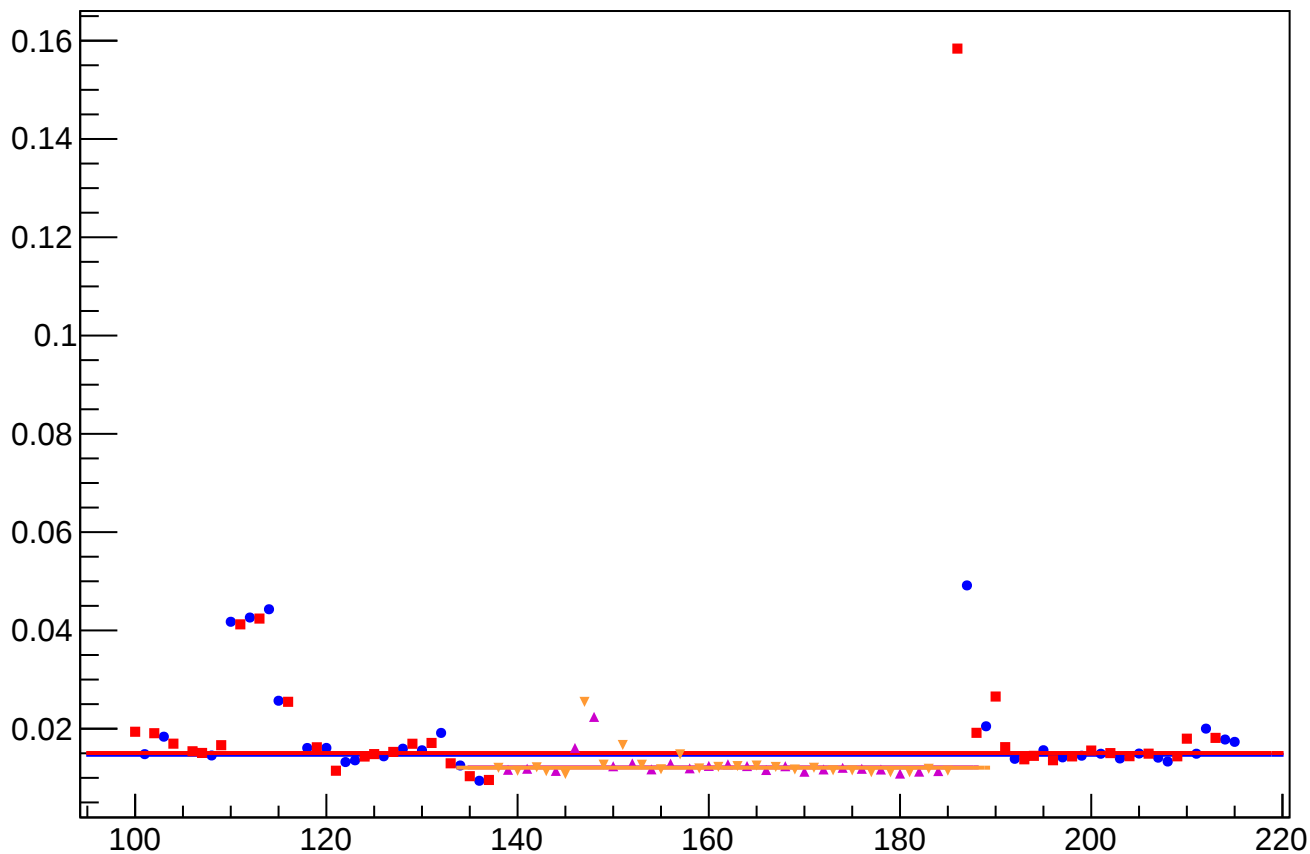
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.612 $\pm$ 0.000 χ^2 /NDF: 5541830098.0/56

All: 0.618 $\pm$ 0.000 χ^2 /NDF: 11876468014.3/100

- sign 0.624 $\pm$ 0.000 χ^2 /NDF: 6322578881.4/56

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: 2162730.5/33

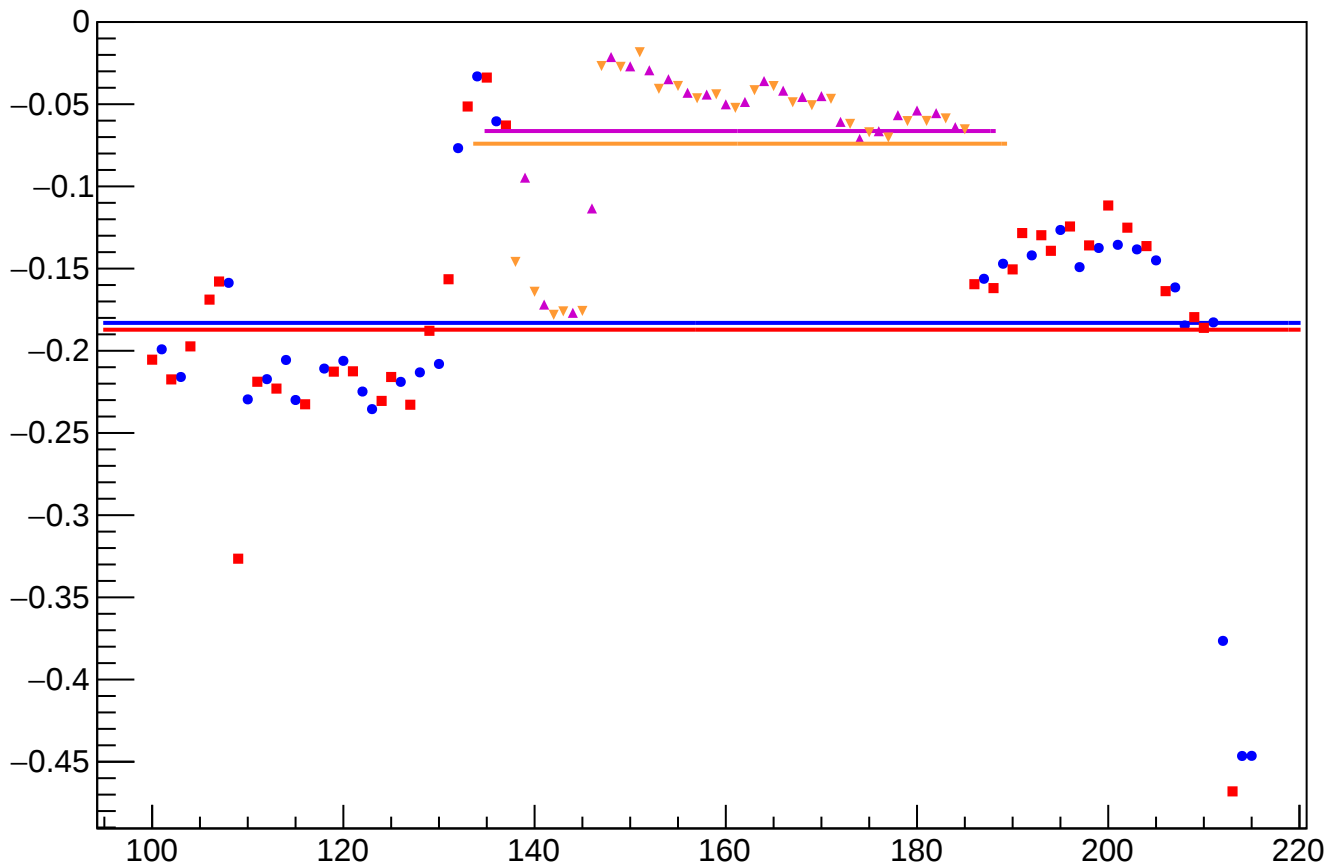
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3126122.2/56

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6503525.1/113

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3371979.6/56

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: -0.187 ± 0.000 χ^2/NDF : 106646484.8/33

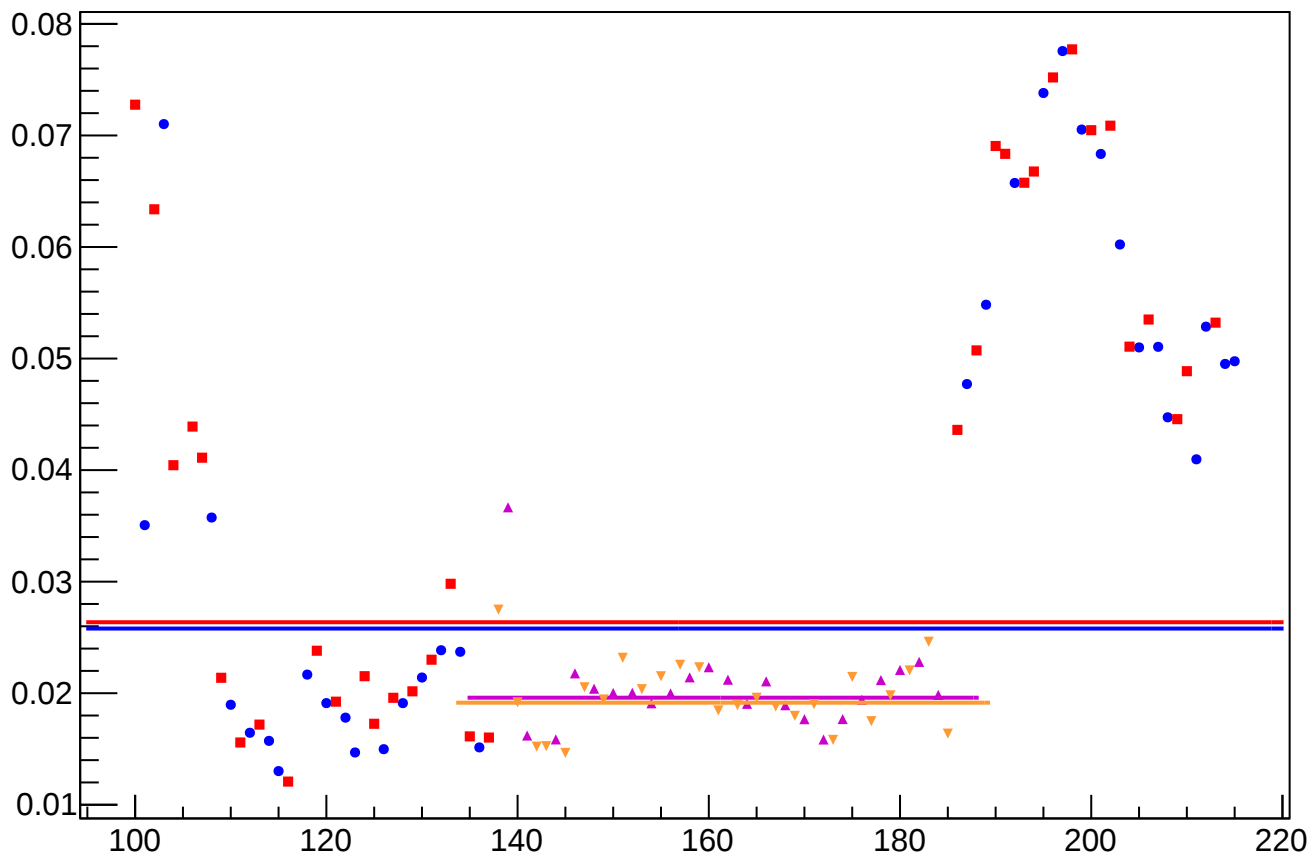
Left In: -0.066 ± 0.000 χ^2/NDF : 76243051.8/22

+ sign -0.106 ± 0.000 χ^2/NDF : 372646281.8/56

All: -0.105 ± 0.000 χ^2/NDF : 721774044.0/11

- sign -0.103 ± 0.000 χ^2/NDF : 348857240.8/56

yield_bpm4eX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 8800718.7/31

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641277.0/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 8762430.9/33

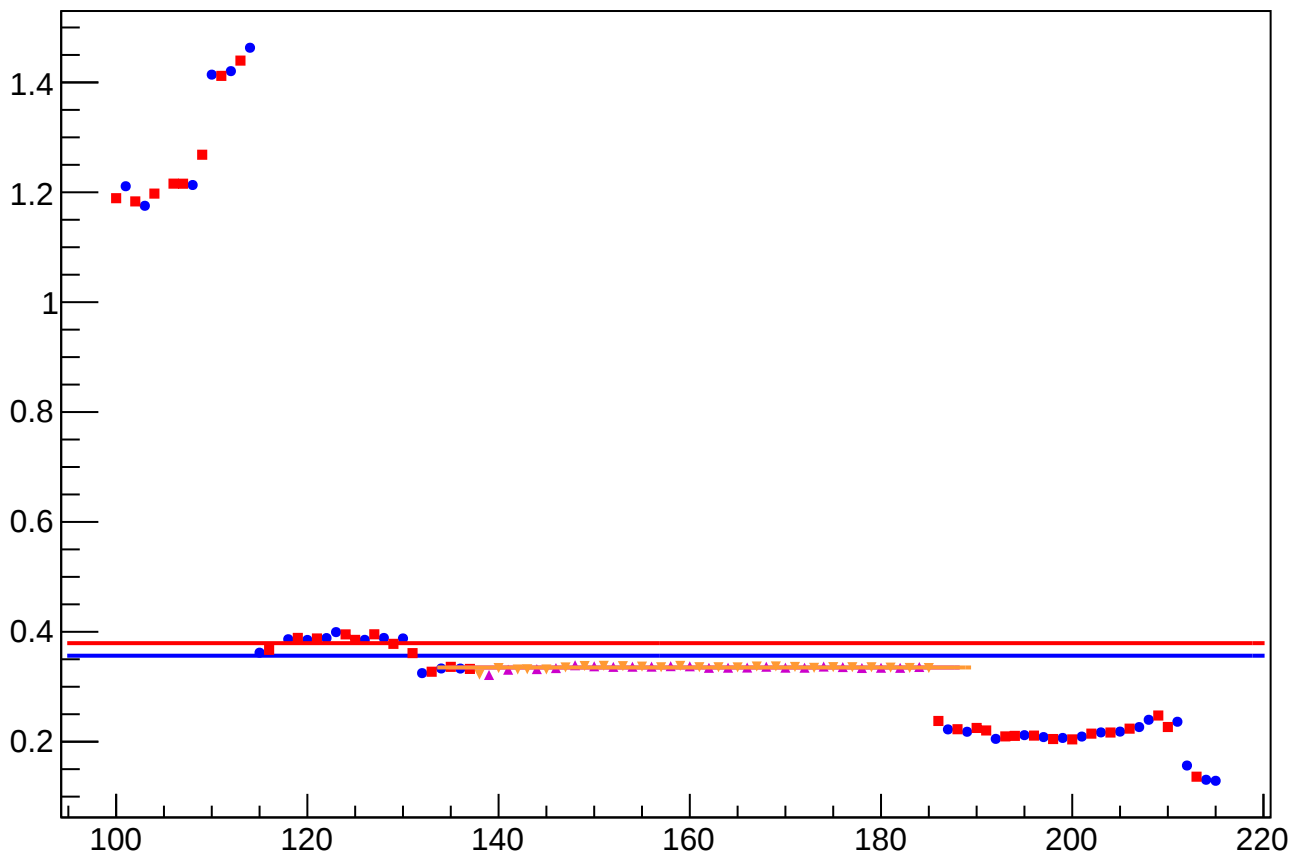
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:623148.2/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 10521557.3/56

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 20963930.4/113

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10425884.3/56

yield_bpm4eY_mean vs Slug



Right In: 0.356+/-0.000 χ^2/NDF : 7928563019.6/31

Left Out: 0.335+/-0.000 χ^2/NDF : 1154310.3/24

Right Out: 0.379+/-0.000 χ^2/NDF : 8819507193.5/33

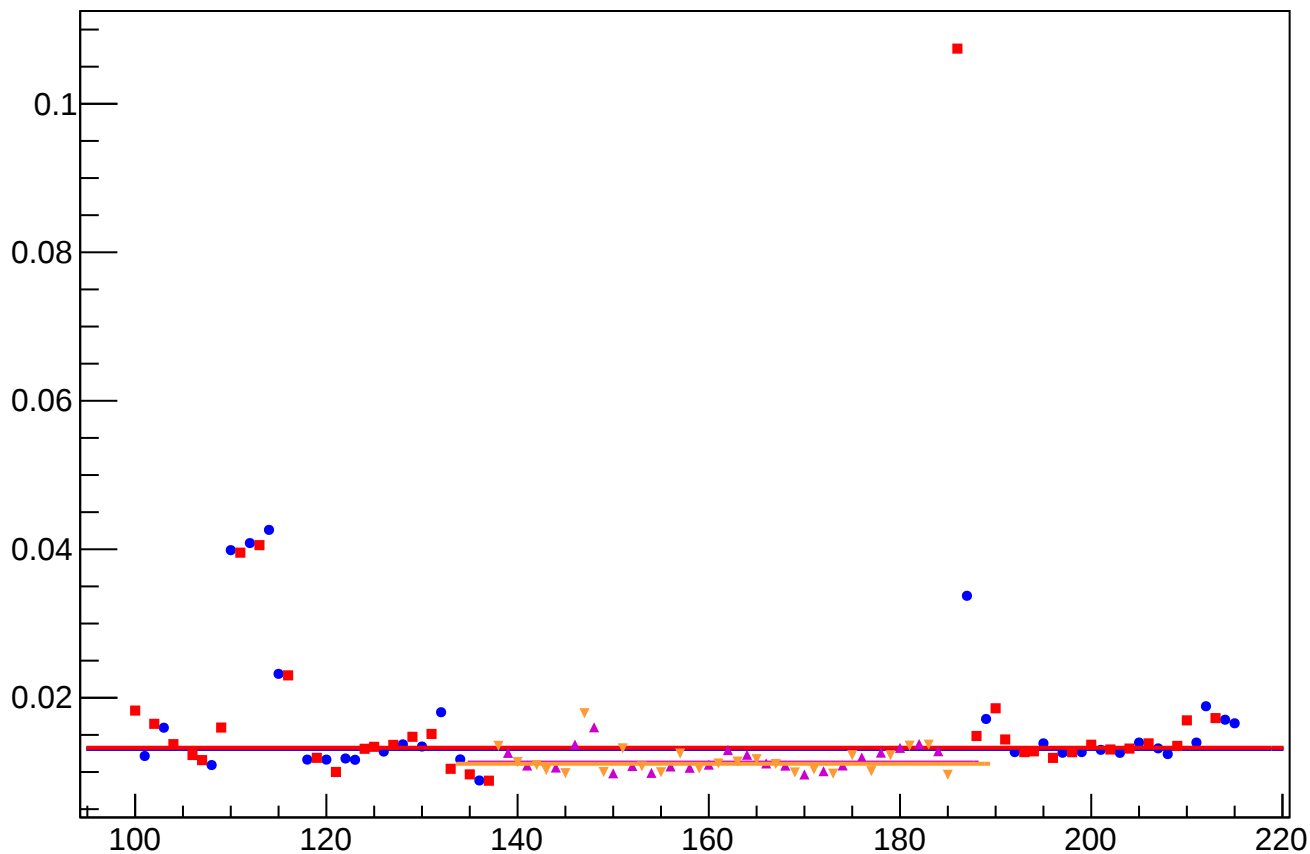
Left In: 0.335+/-0.000 χ^2/NDF : 1202194.8/22

+ sign 0.343+/-0.000 χ^2/NDF : 7955112746.9/56

All: 0.348+/-0.000 χ^2/NDF : 16887605245.9/33

- sign 0.353+/-0.000 χ^2/NDF : 8922837764.6/56

yield_bpm4eY_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 1827159.0/31

Left Out: 0.011 ± 0.000 χ^2/NDF : 607532.0/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 2094321.5/33

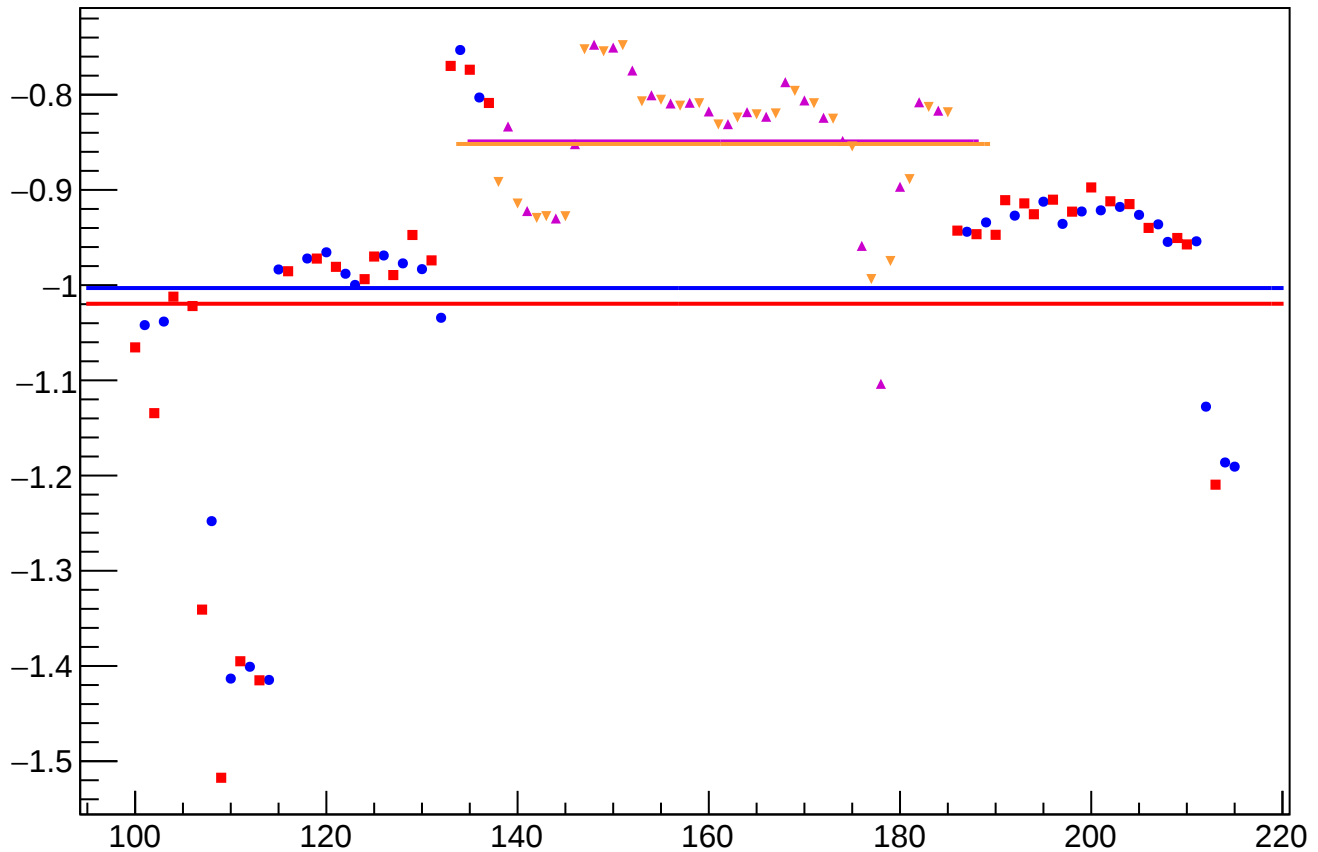
Left In: 0.011 ± 0.000 χ^2/NDF : 502455.5/22

+ sign 0.012 ± 0.000 χ^2/NDF : 2878108.2/56

All: 0.012 ± 0.000 χ^2/NDF : 5896258.4/113

- sign 0.012 ± 0.000 χ^2/NDF : 3011214.6/56

yield_bpm4acX_mean vs Slug



Right In: -1.003 ± 0.000 $\chi^2/\text{NDF}: 427056306.3/31$

Left Out: -0.852 ± 0.000 $\chi^2/\text{NDF}: 189103962.4/24$

Right Out: -1.020 ± 0.000 $\chi^2/\text{NDF}: 568645599.1/33$

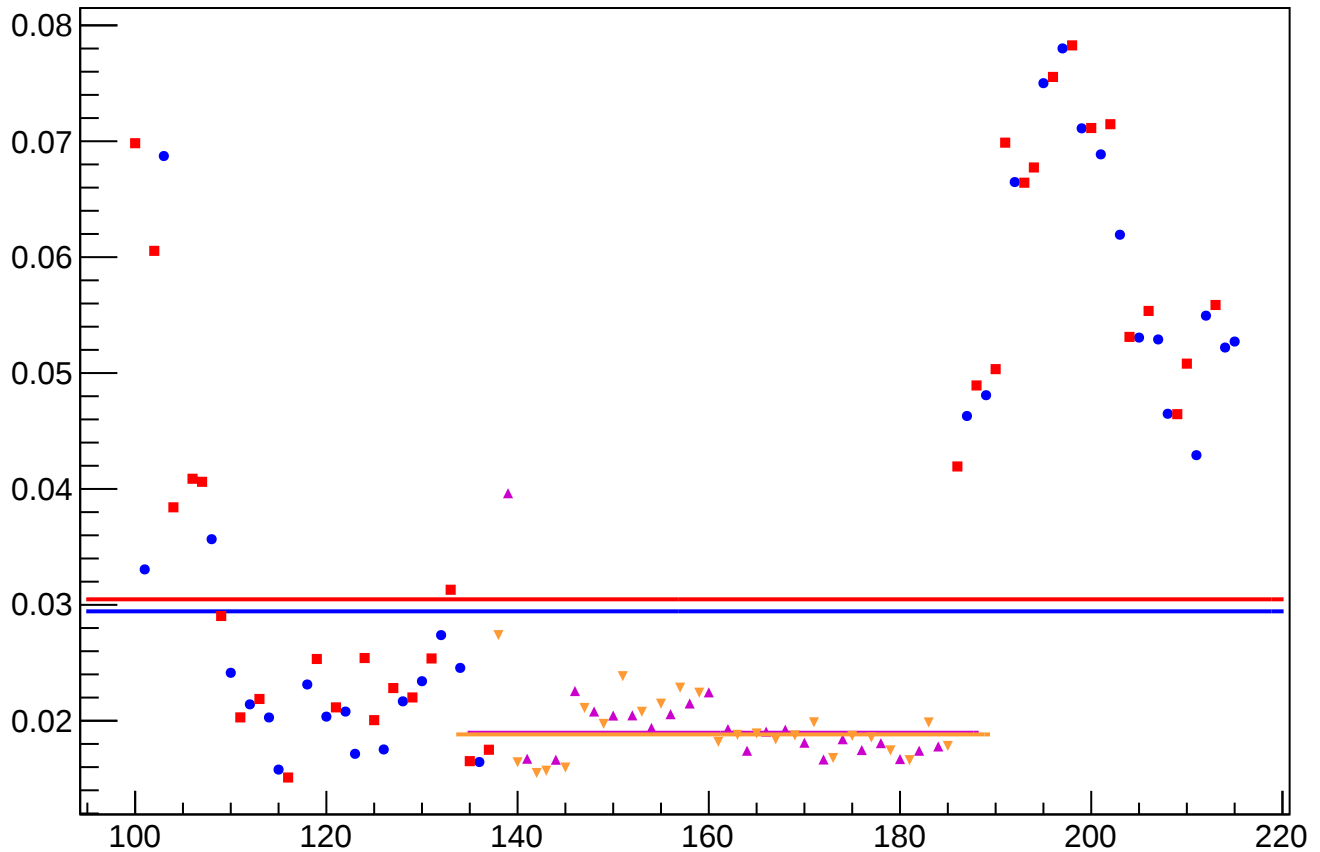
Left In: -0.849 ± 0.000 $\chi^2/\text{NDF}: 256391274.4/22$

+ sign -0.890 ± 0.000 $\chi^2/\text{NDF}: 857773265.3/56$

All: -0.891 ± 0.000 $\chi^2/\text{NDF}: 1967838636.4/1$

- sign -0.892 ± 0.000 $\chi^2/\text{NDF}: 1109927638.7/56$

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: 0.030 $\pm$ 0.000 χ^2 /NDF: 7099703.1/33

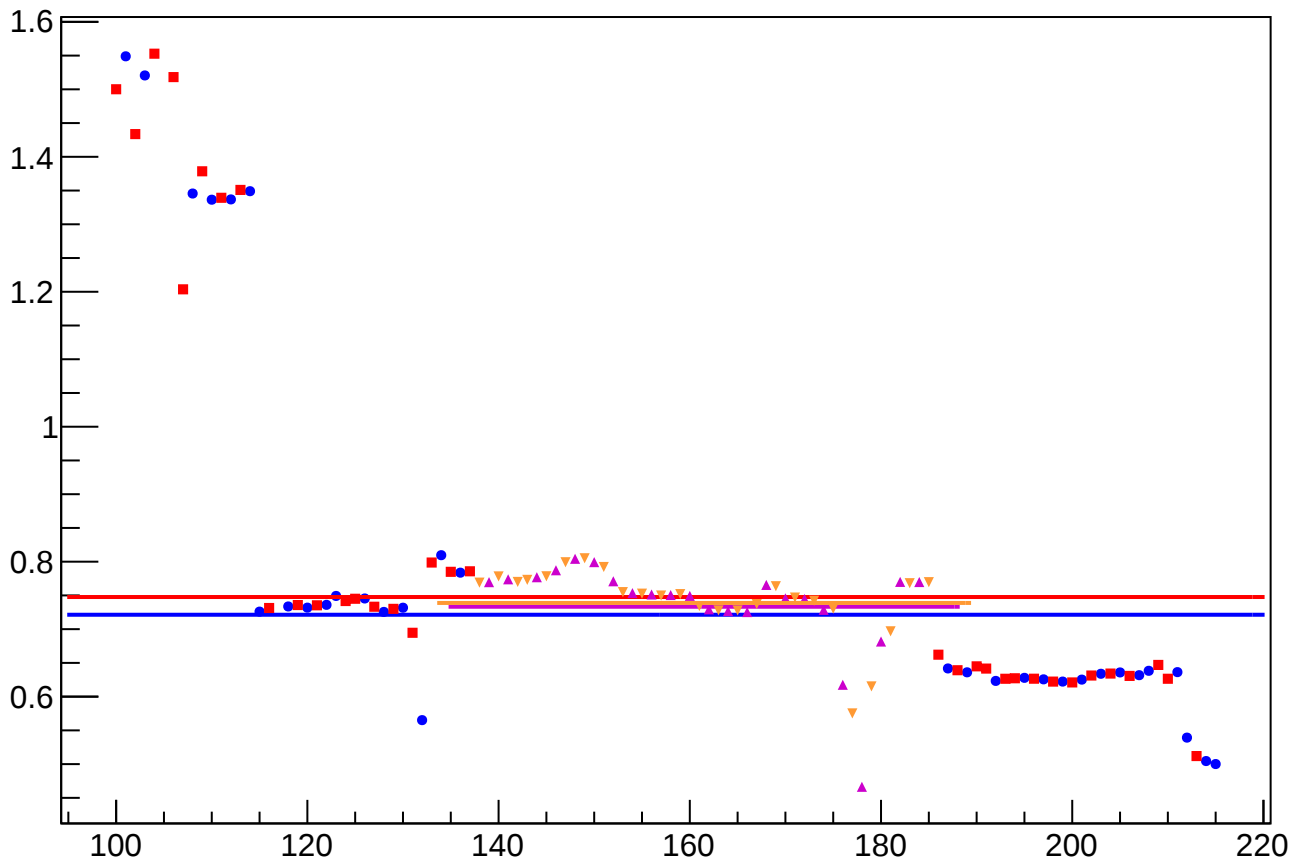
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:615173.8/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10326757.9/56

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 20647301.5/113

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10312968.1/56

yield_bpm4acY_mean vs Slug



Right In: 0.721 ± 0.000 $\chi^2/\text{NDF}: 3822617241.3/31$

Left Out: 0.739 ± 0.000 $\chi^2/\text{NDF}: 333013236.5/24$

+ sign 0.732 ± 0.000 $\chi^2/\text{NDF}: 4169381469.2/56$

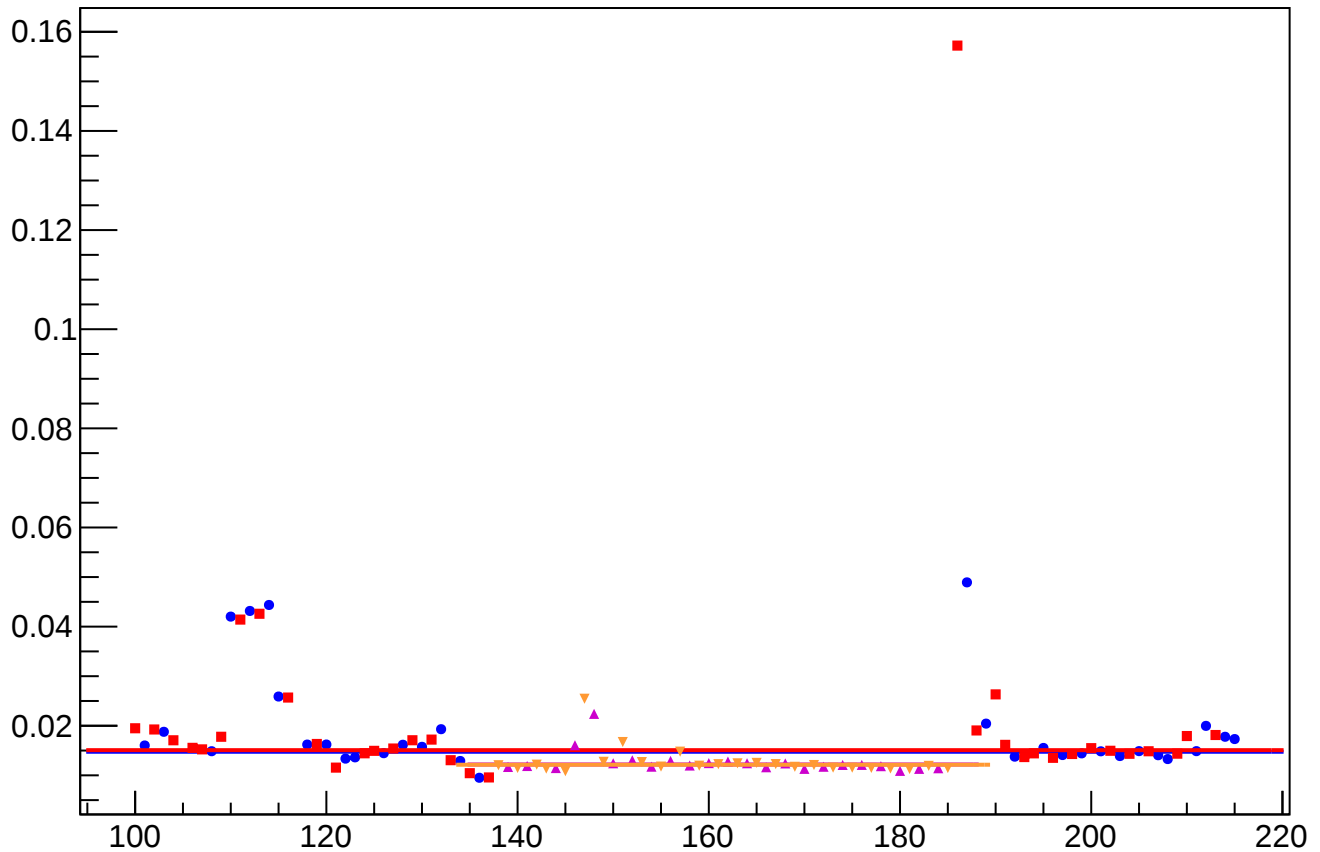
Right Out: 0.748 ± 0.000 $\chi^2/\text{NDF}: 3969360937.7/33$

All: 0.735 ± 0.000 $\chi^2/\text{NDF}: 8720817230.0/11$

Left In: 0.733 ± 0.000 $\chi^2/\text{NDF}: 569611347.7/22$

- sign 0.739 ± 0.000 $\chi^2/\text{NDF}: 4547699169.8/56$

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: 2164625.9/33

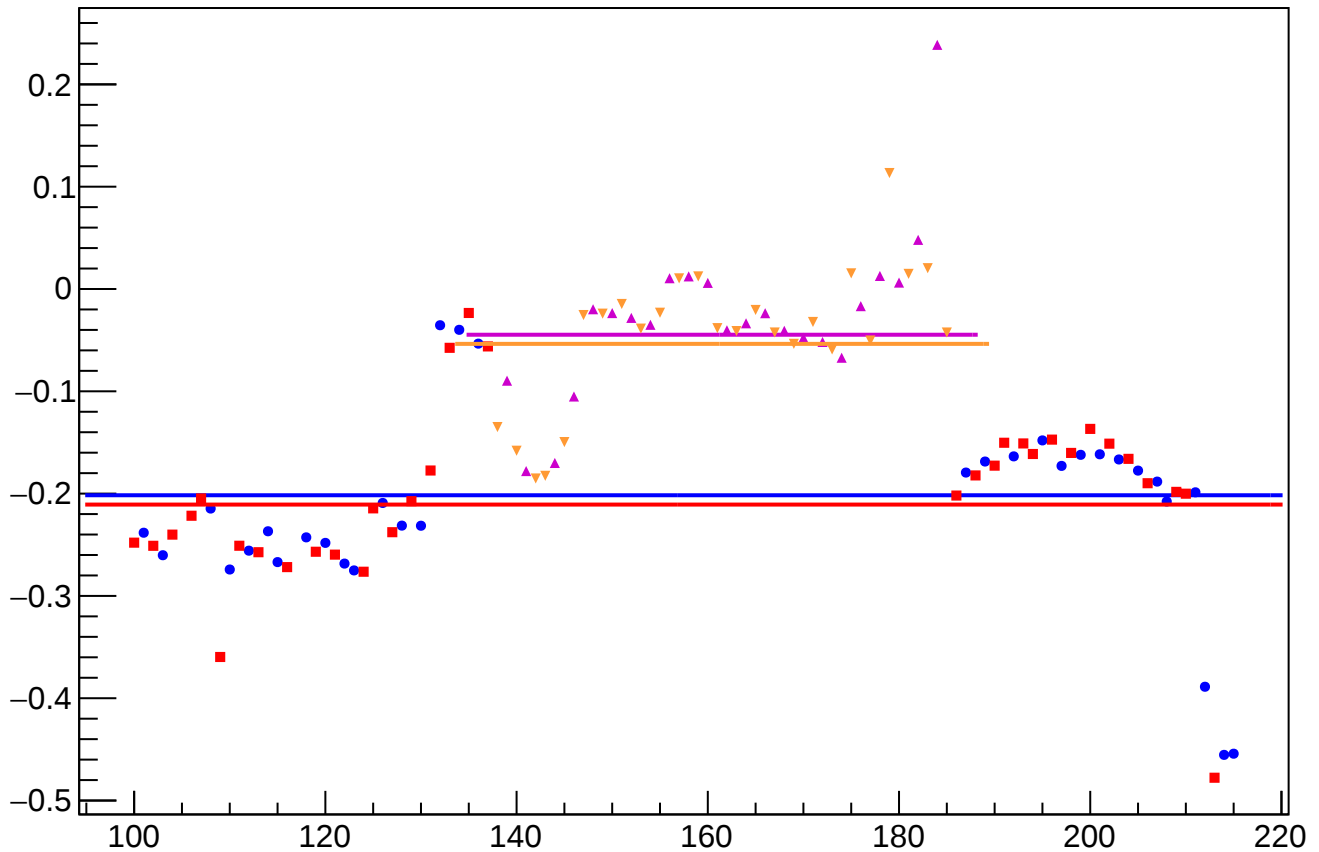
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3090963.1/56

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6442727.5/113

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3347640.8/56

yield_bpm4ecX_mean vs Slug



Right In: -0.202 ± 0.000 χ^2/NDF : 153527491.4/31

Left Out: -0.054 ± 0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.211 ± 0.000 χ^2/NDF : 132531792.0/33

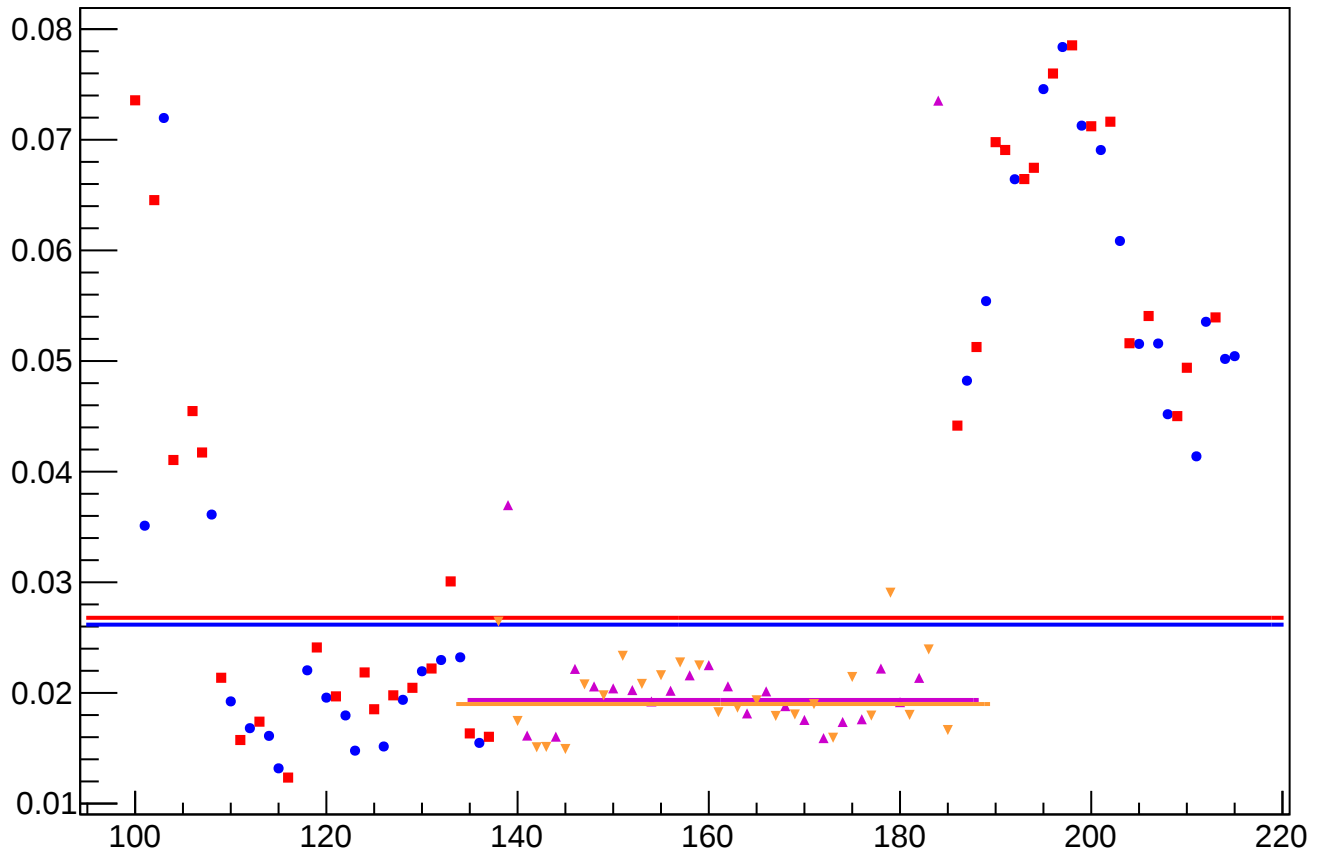
Left In: -0.045 ± 0.000 χ^2/NDF : 127192425.2/22

+ sign -0.097 ± 0.000 χ^2/NDF : 582696229.7/56

All: -0.096 ± 0.000 χ^2/NDF : 1148625707.7/1

- sign -0.095 ± 0.000 χ^2/NDF : 565734802.5/56

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: 8705642.4/33

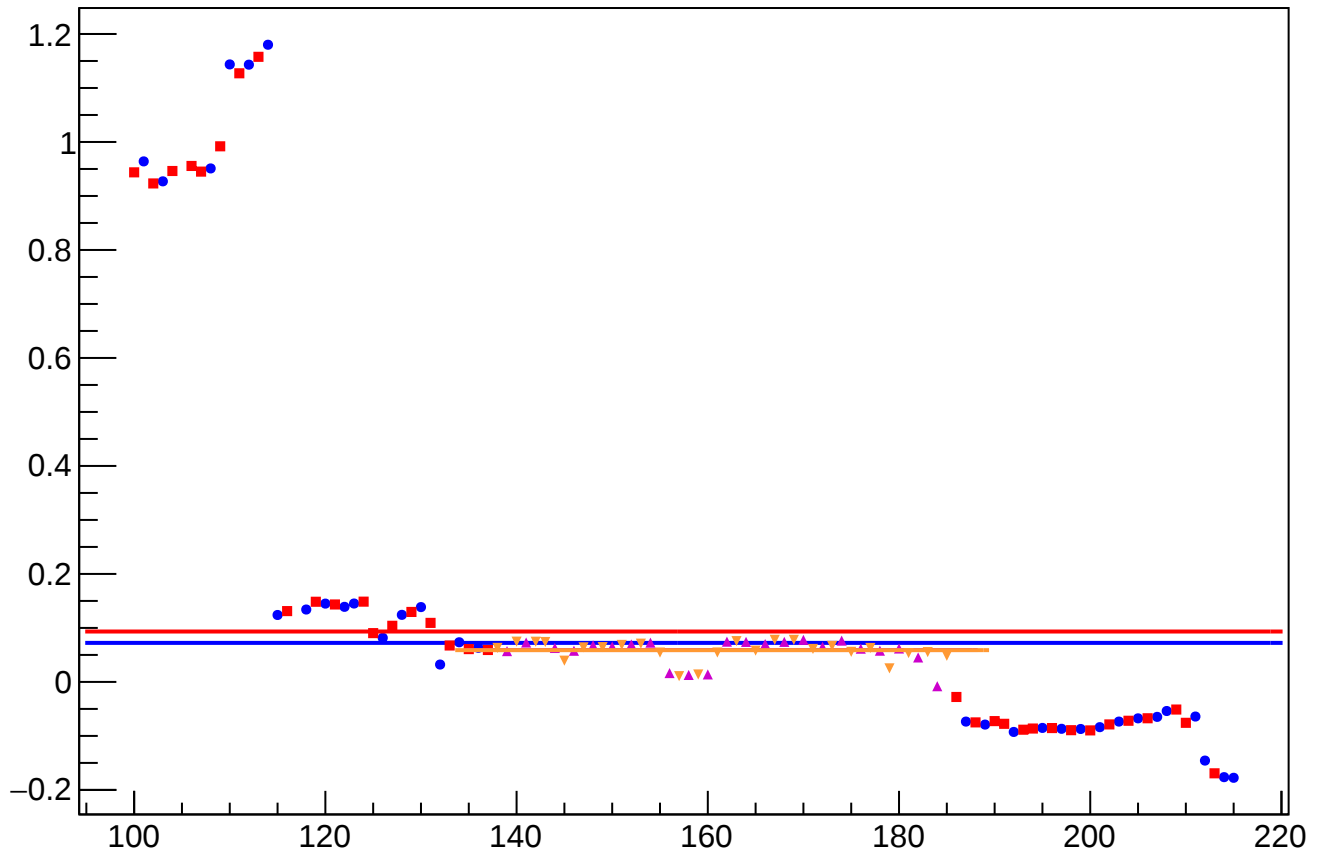
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 10666895.0/56

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 21468615.5/113

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10788778.7/56

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

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 9346745732.7/33

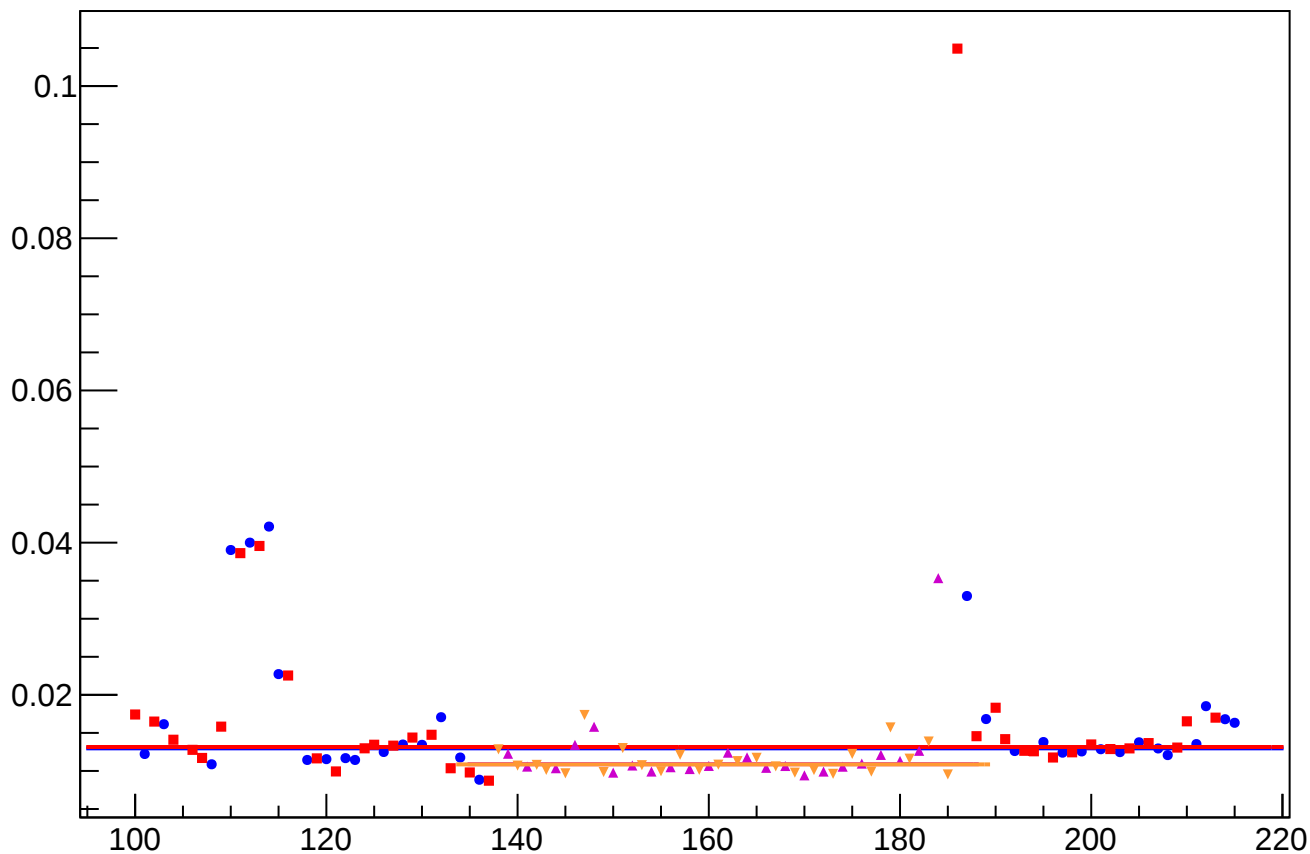
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

+ sign 0.064 $\pm$ 0.000 χ^2 /NDF: 8702203915.7/56

All: 0.068 $\pm$ 0.000 χ^2 /NDF: 18178545690.3/100

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 9468113408.1/56

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1779661.1/31

Left Out: 0.011+/-0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 2036025.8/33

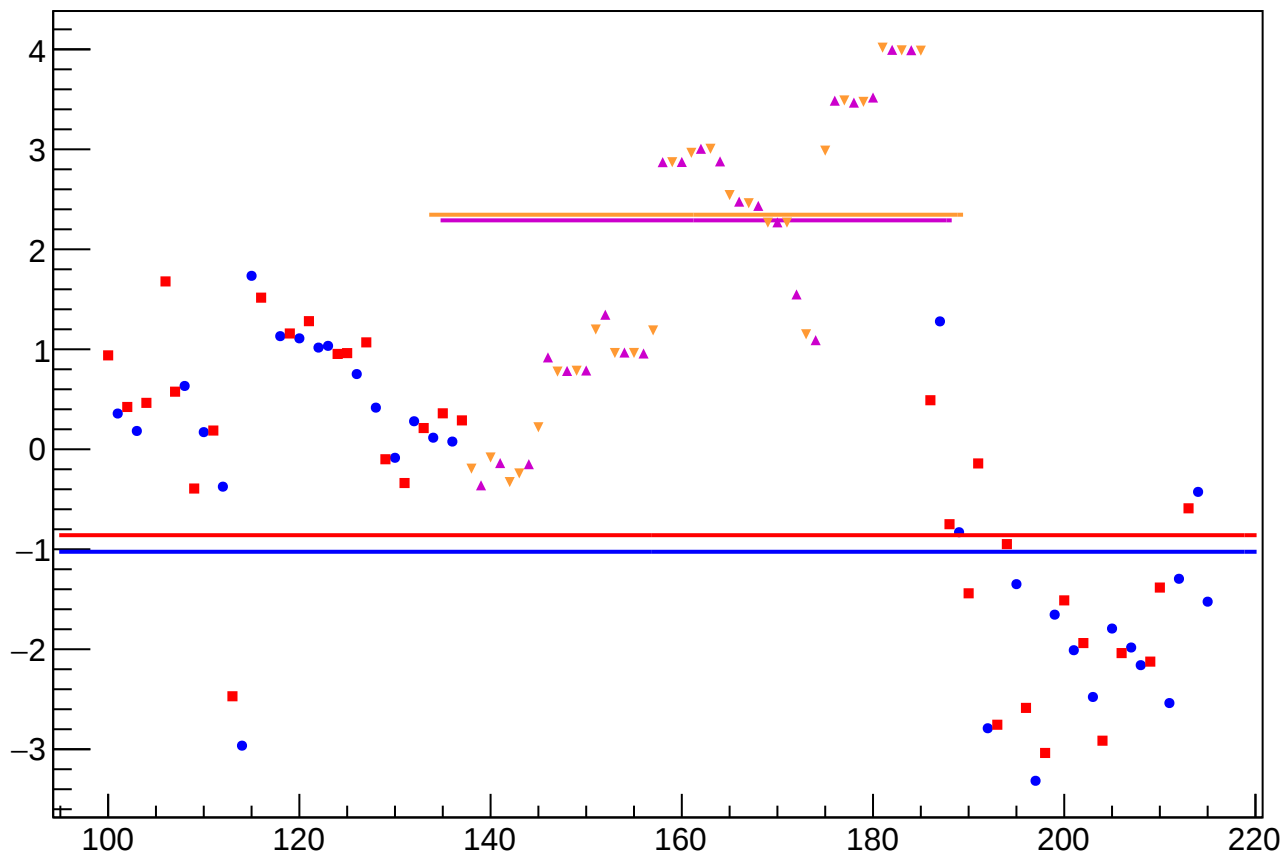
Left In: 0.011+/-0.000 χ^2/NDF : 530077.5/22

+ sign 0.012+/-0.000 χ^2/NDF : 2888448.3/56

All: 0.012+/-0.000 χ^2/NDF : 6000477.8/113

- sign 0.012+/-0.000 χ^2/NDF : 3110202.1/56

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: -0.859 ± 0.000 χ^2/NDF : 8182386545.8/33

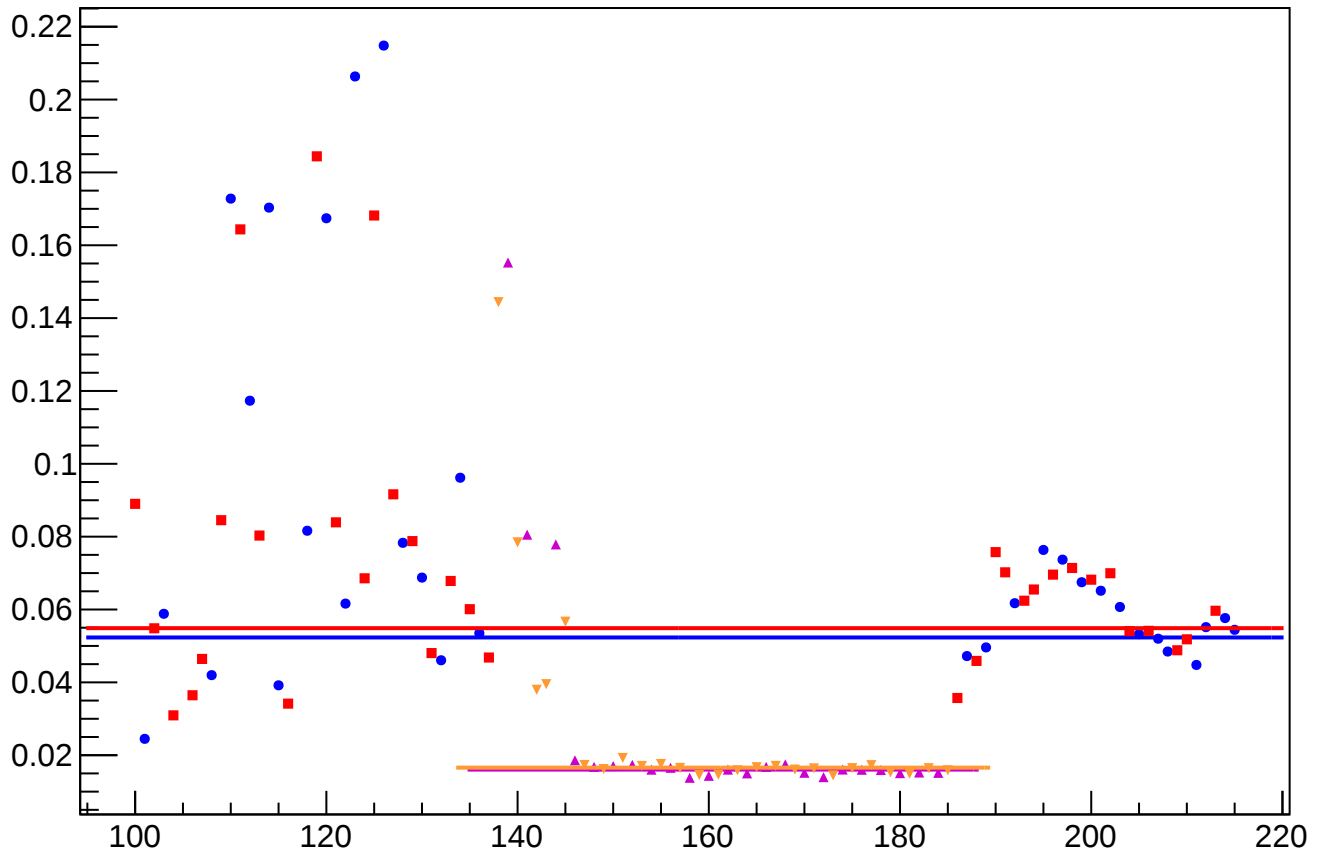
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.052 ± 0.000 χ^2/NDF : 121719577586.5/56

All: 2.046 ± 0.000 χ^2/NDF : 231378214225.4

- sign 2.041 ± 0.000 χ^2/NDF : 109654923610.8/56

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: 2873225.3/33

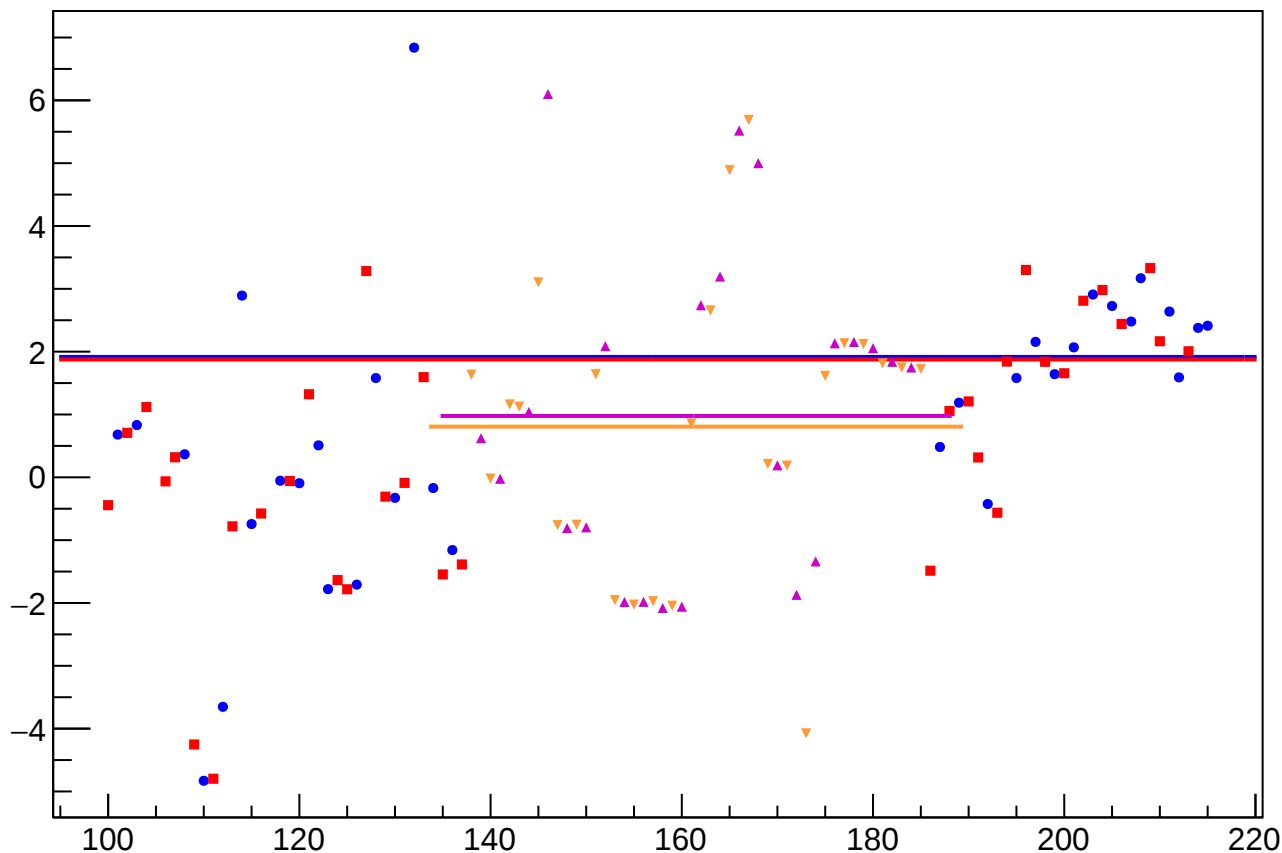
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 17521636.3/56

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 35155965.7/113

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 17615221.2/56

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: 1.874 $\pm$ 0.000 χ^2 /NDF: 39605561258.6/33

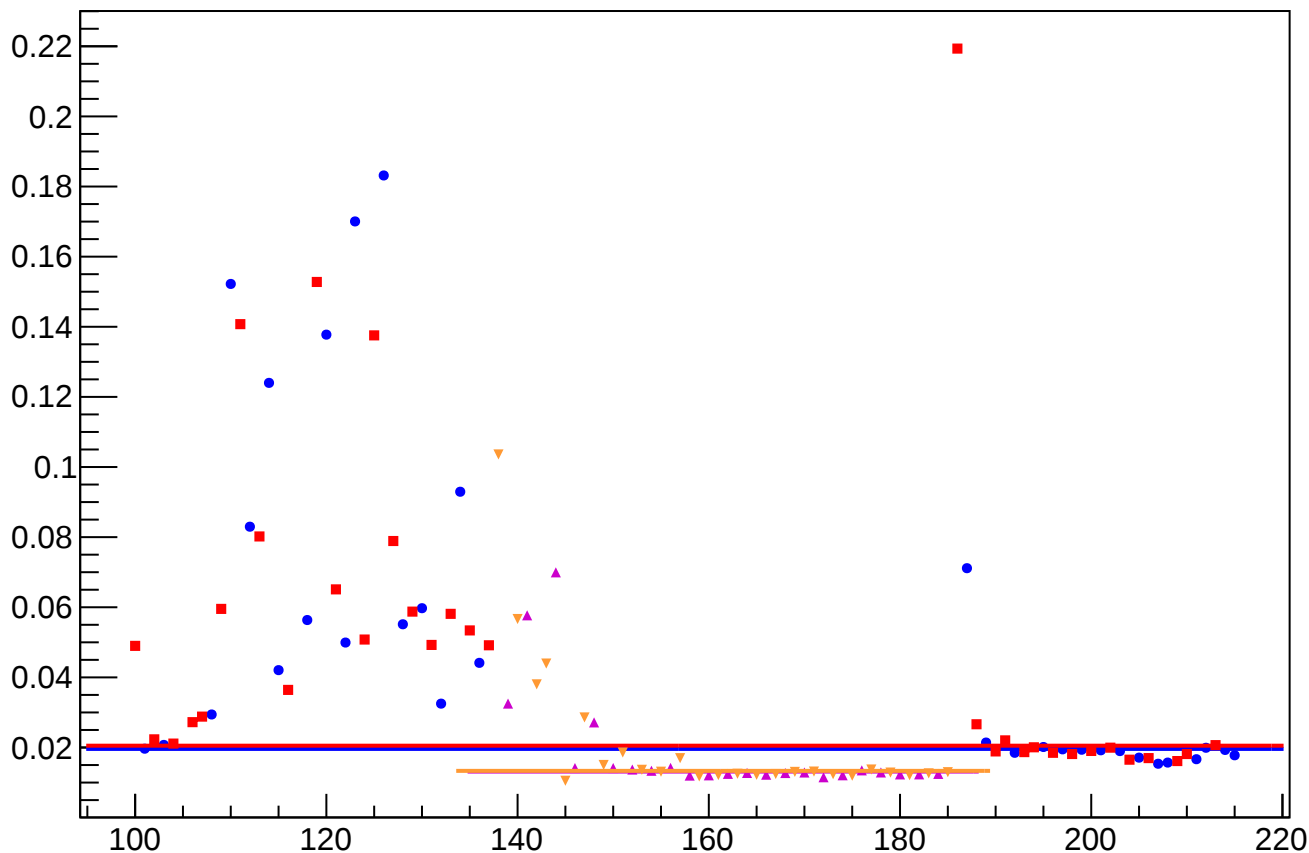
Left In: 0.977 $\pm$ 0.000 χ^2 /NDF: 568209676597.4/22

+ sign 1.106 $\pm$ 0.000 χ^2 /NDF: 575261703591.5/56

All: 1.151 $\pm$ 0.000 χ^2 /NDF: 1200382157044.

- sign 1.198 $\pm$ 0.000 χ^2 /NDF: 624632634094.4/56

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: 0.021+/-0.000 χ^2/NDF : 5167049.8/33

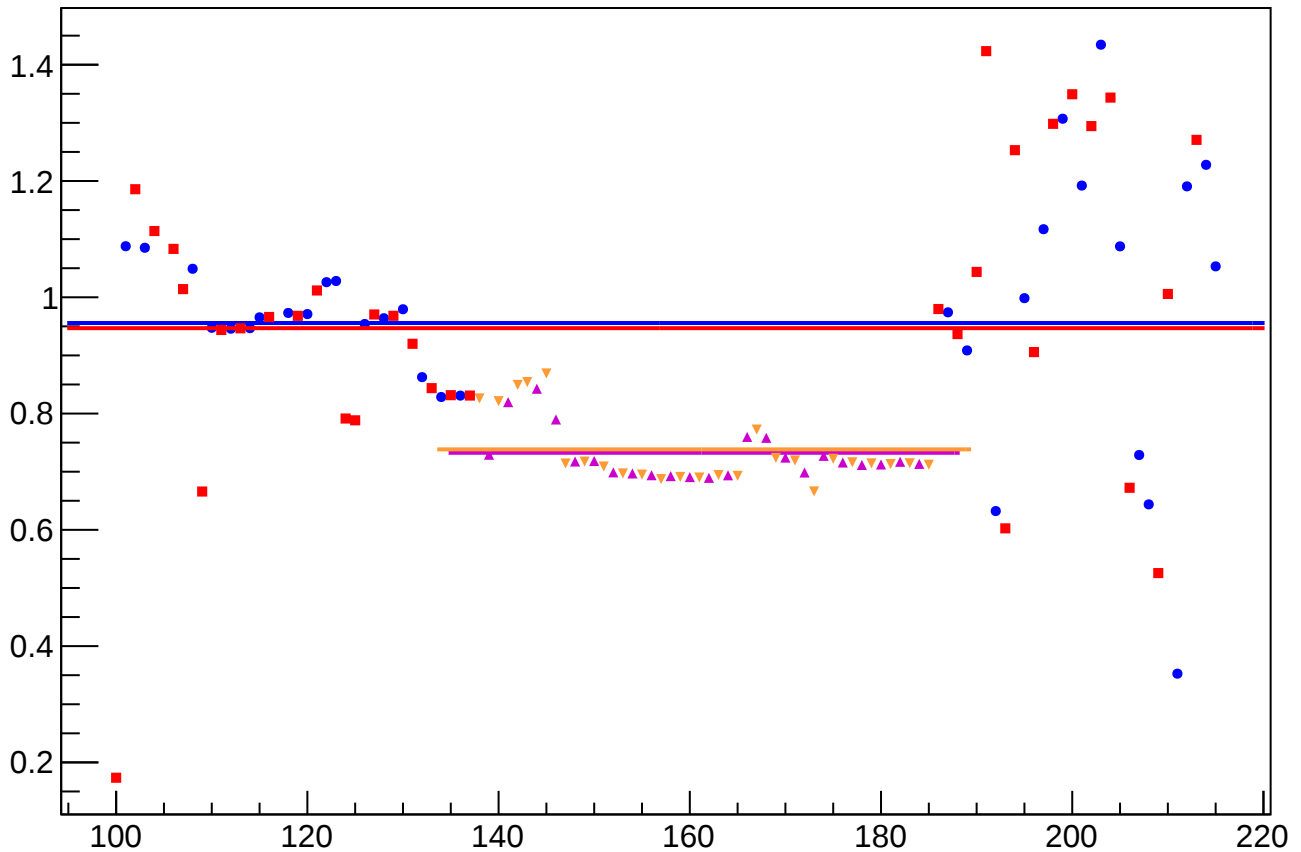
Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

+ sign 0.015+/-0.000 χ^2/NDF : 8833673.3/56

All: 0.015+/-0.000 χ^2/NDF : 18226495.7/113

- sign 0.015+/-0.000 χ^2/NDF : 9392152.2/56

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

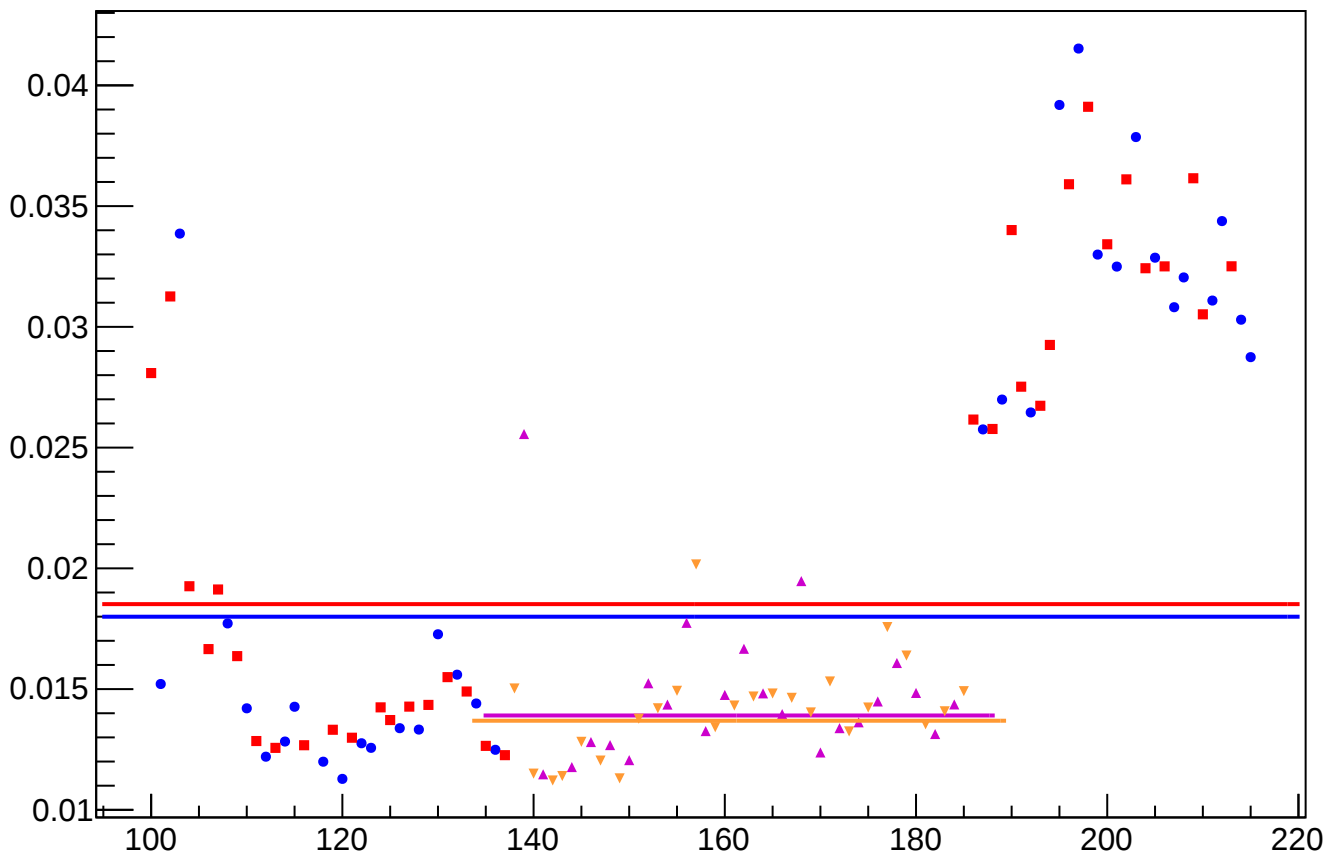
Right Out: 0.947 $\pm$ 0.000 χ^2 /NDF: 1201270257.7/33

All: 0.805 $\pm$ 0.000 χ^2 /NDF: 5164002019.0/11

- sign 0.803 $\pm$ 0.000 χ^2 /NDF: 2572431814.8/56

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 170102394.7/22

yield_bpm11X_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 5583793.7/31

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 528480.6/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 4789479.3/33

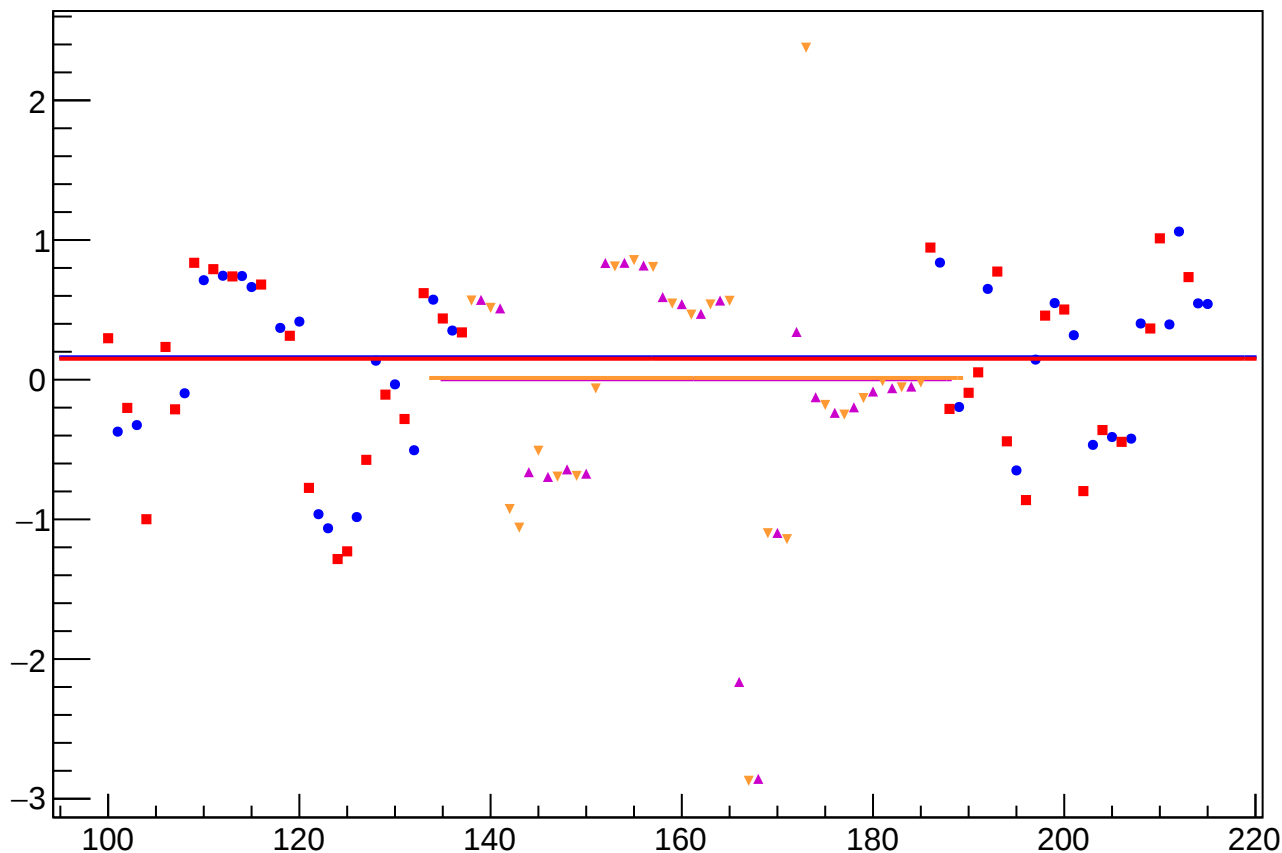
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 768161.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 7135552.1/56

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 13820333.7/113

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 6669655.3/56

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: 0.150 $\pm$ 0.000 χ^2 /NDF: 40764385031.3/33

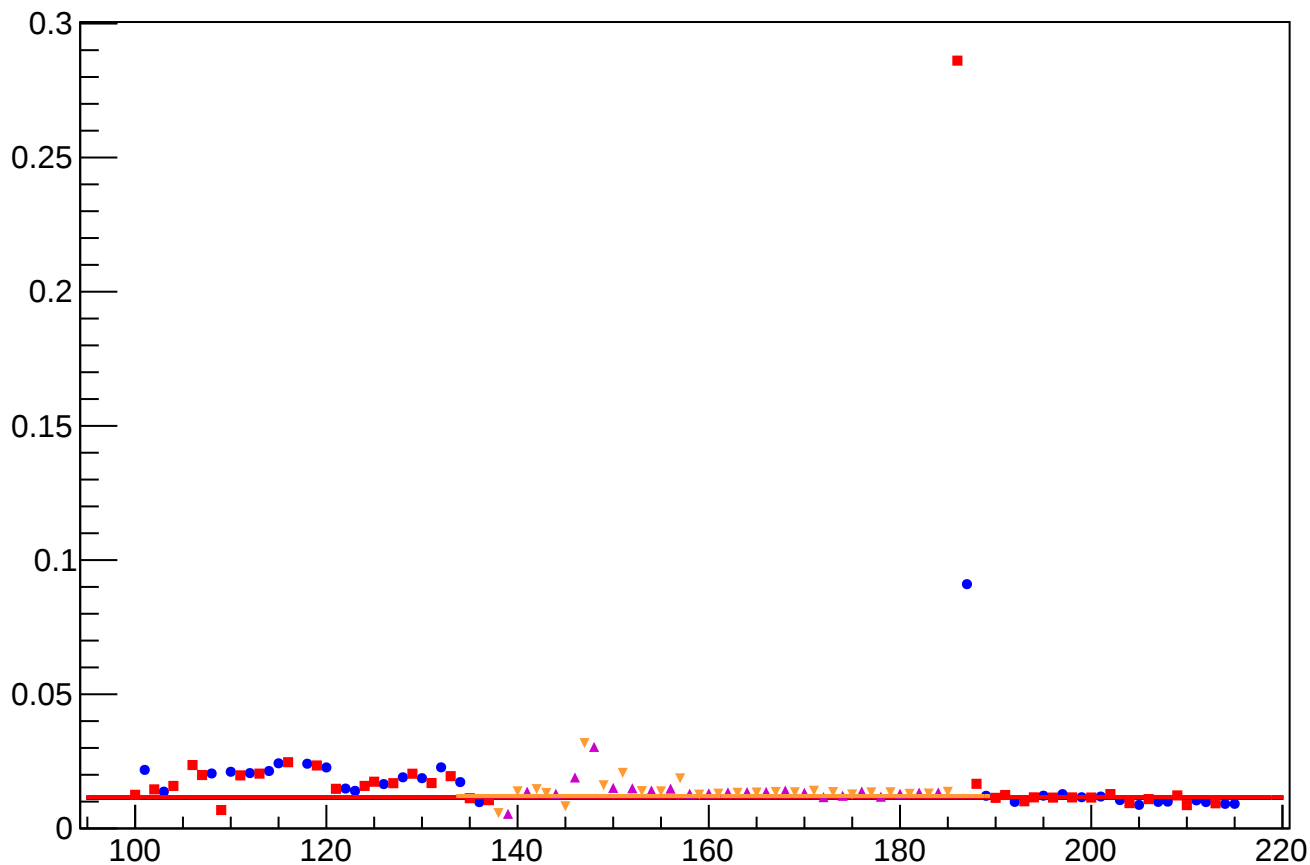
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 78826489573.0/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 128450381797.0/56

All: 0.082 $\pm$ 0.000 χ^2 /NDF: 249170033665.7

- sign 0.076 $\pm$ 0.000 χ^2 /NDF: 120704919169.8/56

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: 2968421.2/33

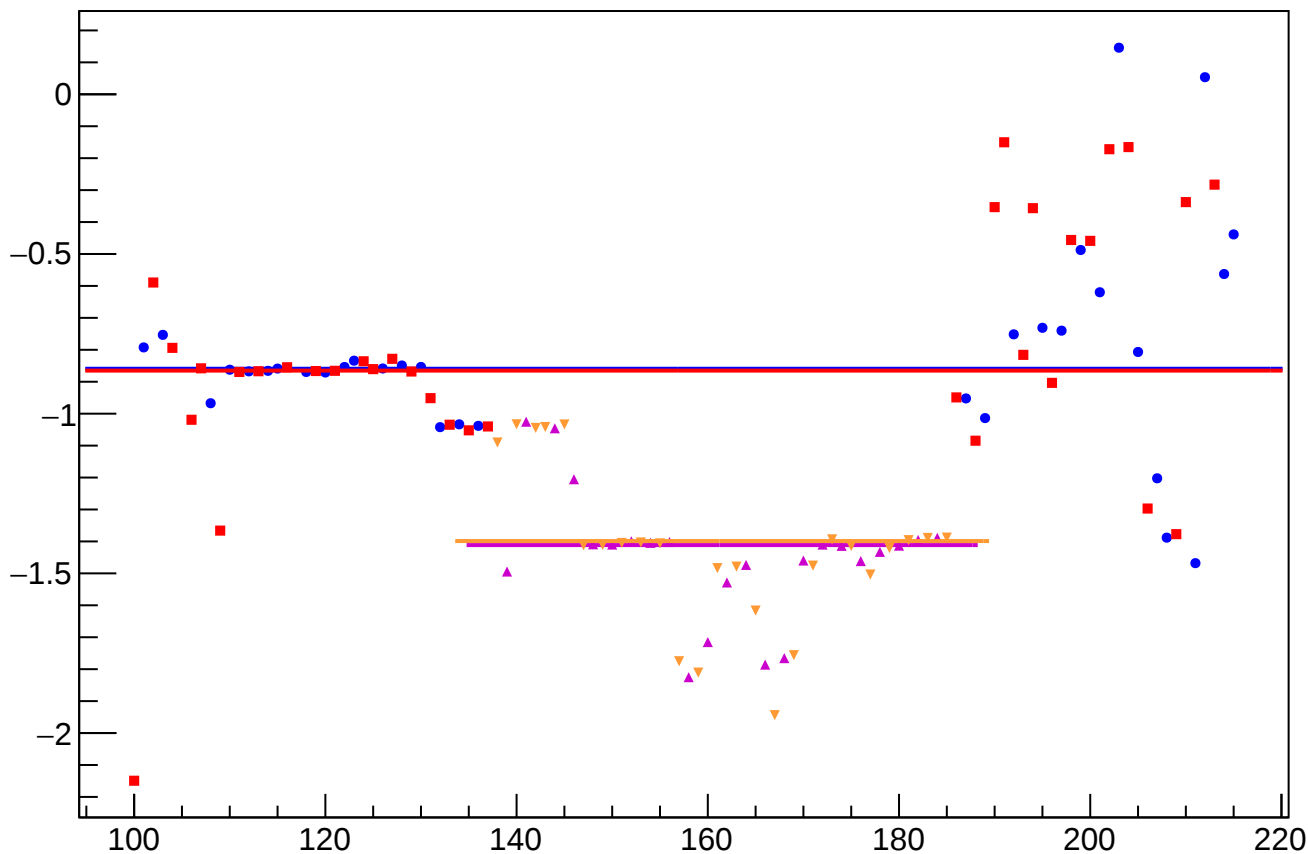
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5781117.9/56

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11764524.6/113

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5979813.8/56

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

+ sign -1.207 ± 0.000 χ^2/NDF : 2449770450.6/56

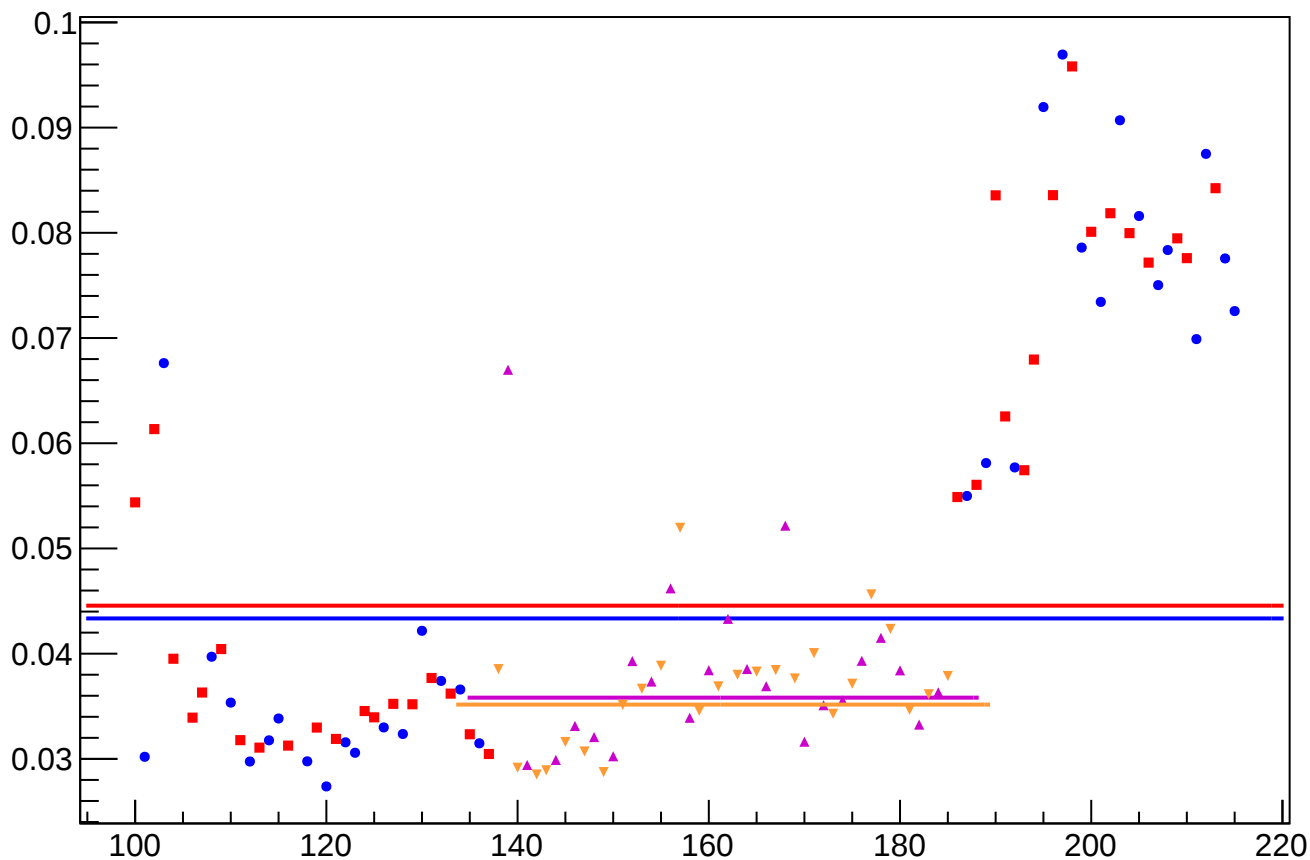
Right Out: -0.865 ± 0.000 χ^2/NDF : 482626288.6/33

All: -1.210 ± 0.000 χ^2/NDF : 4743059636.7/1

Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

- sign -1.212 ± 0.000 χ^2/NDF : 2293093466.1/56

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 : 4353937.8/33

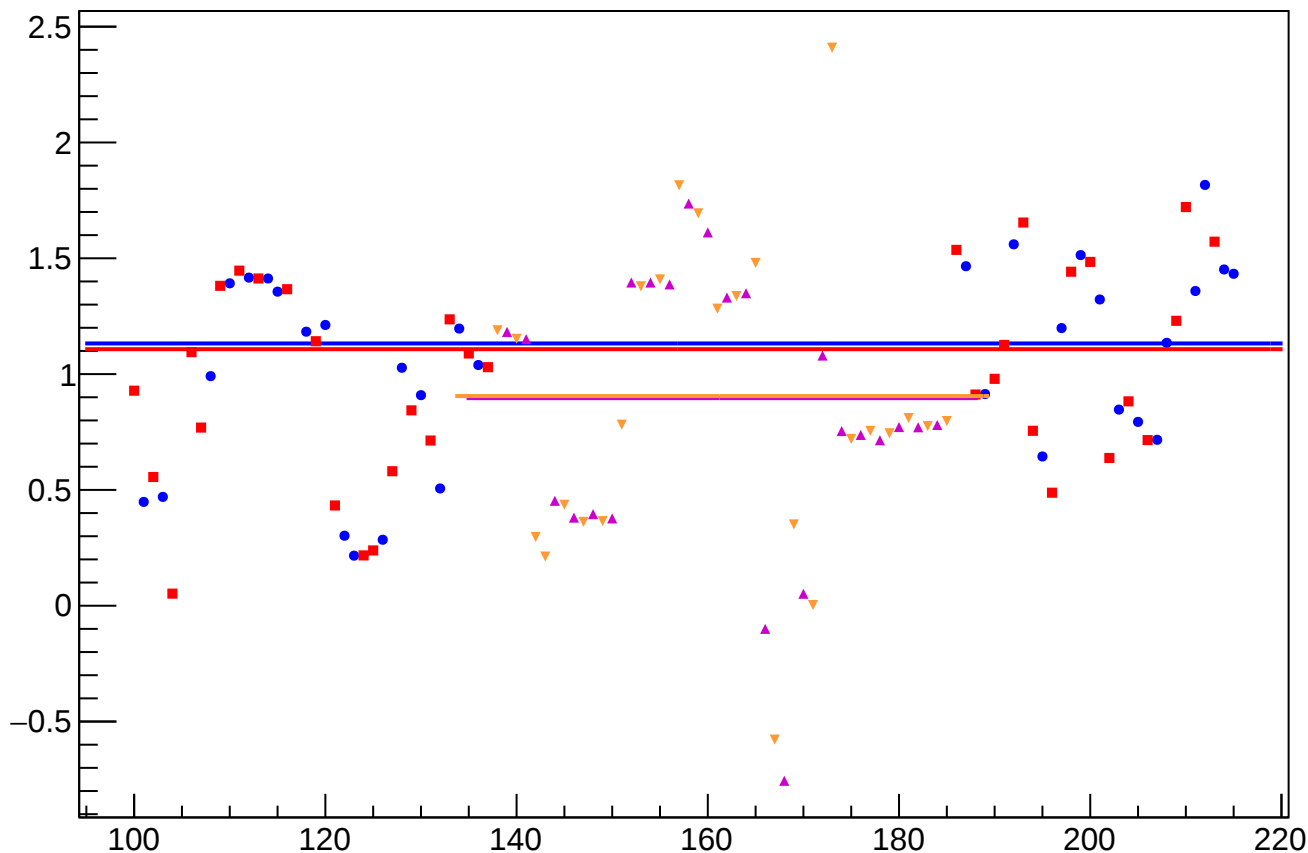
Left In: 0.036+/-0.000 χ^2/NDF : 864147.6/22

+ sign 0.038+/-0.000 χ^2/NDF : 6604690.1/56

All: 0.039+/-0.000 χ^2/NDF : 12504817.4/113

- sign 0.039+/-0.000 χ^2/NDF : 5882729.7/56

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: 1.108 $\pm$ 0.000 χ^2 /NDF: 43647471236.9/33

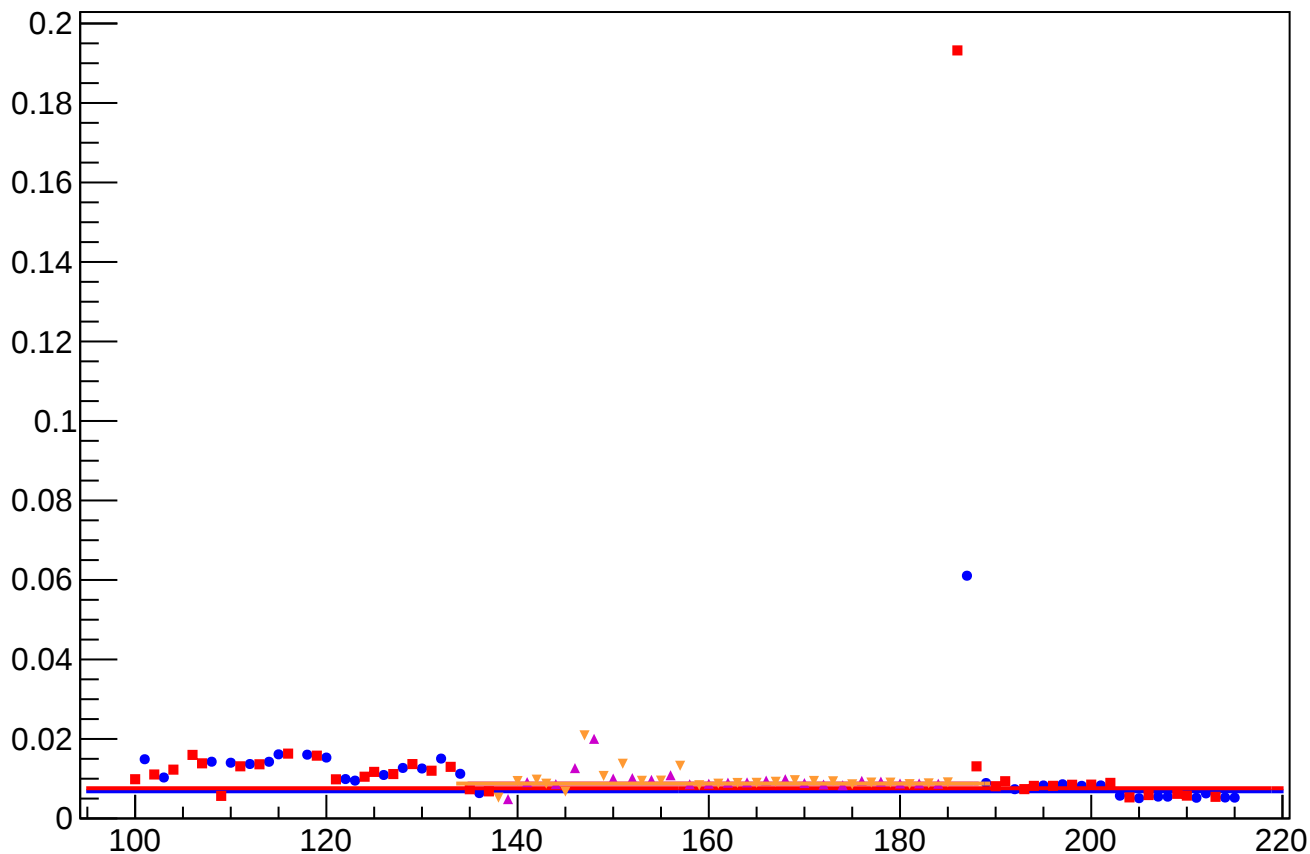
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF:66594200889.6/22

+ sign 1.038 $\pm$ 0.000 χ^2 /NDF: 133214825528.6/56

All: 1.026 $\pm$ 0.000 χ^2 /NDF: 248602986306.7

- sign 1.011 $\pm$ 0.000 χ^2 /NDF: 115214998150.3/56

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: 0.008 $\pm$ 0.000 χ^2 /NDF: 3680080.7/33

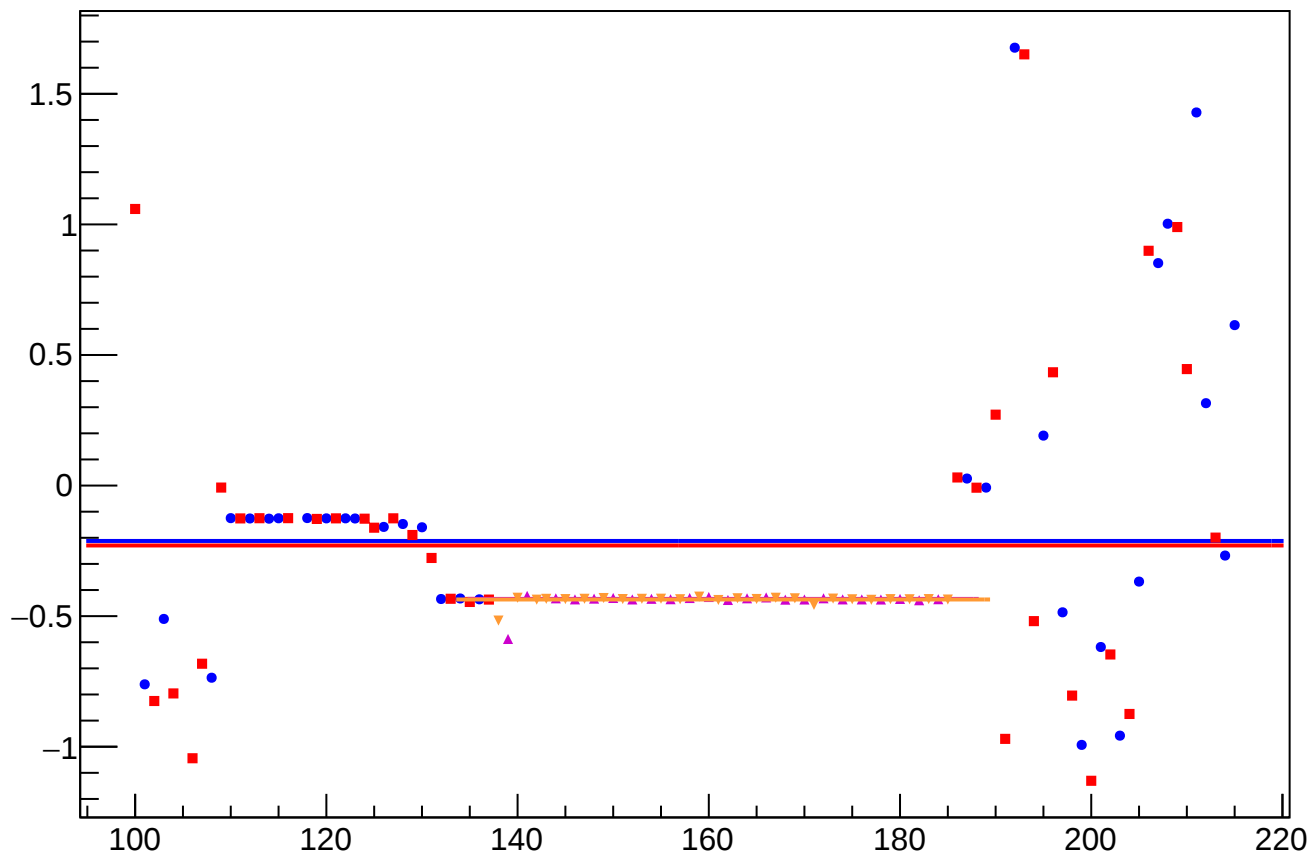
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6414242.9/56

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 12124660.6/113

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5594238.2/56

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: -0.229 ± 0.000 $\chi^2/\text{NDF}: 3417363082.8/33$

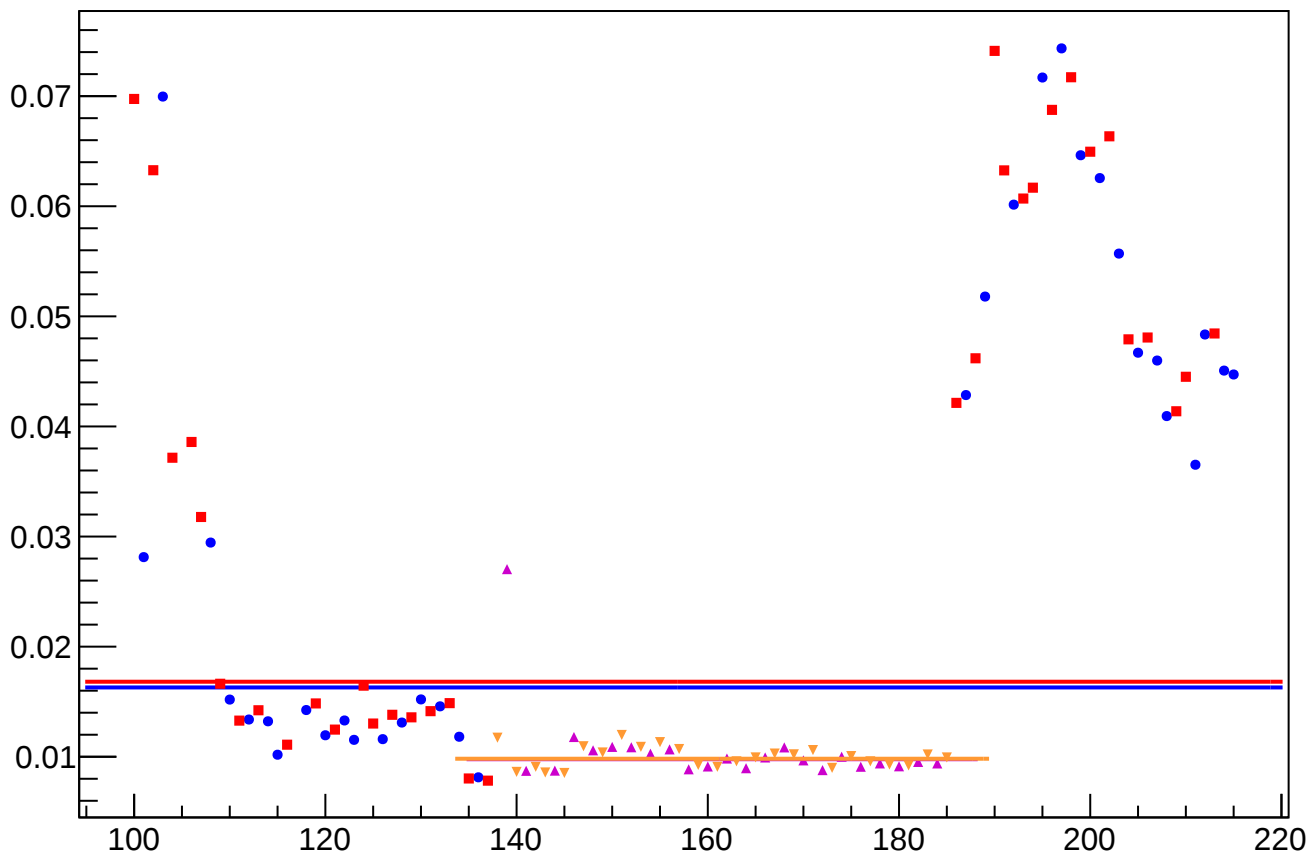
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 23984173.0/22$

+ sign -0.395 ± 0.000 $\chi^2/\text{NDF}: 6488296951.8/56$

All: -0.396 ± 0.000 $\chi^2/\text{NDF}: 11072971687.1/100$

- sign -0.397 ± 0.000 $\chi^2/\text{NDF}: 4584325692.5/56$

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: 12266222.1/33

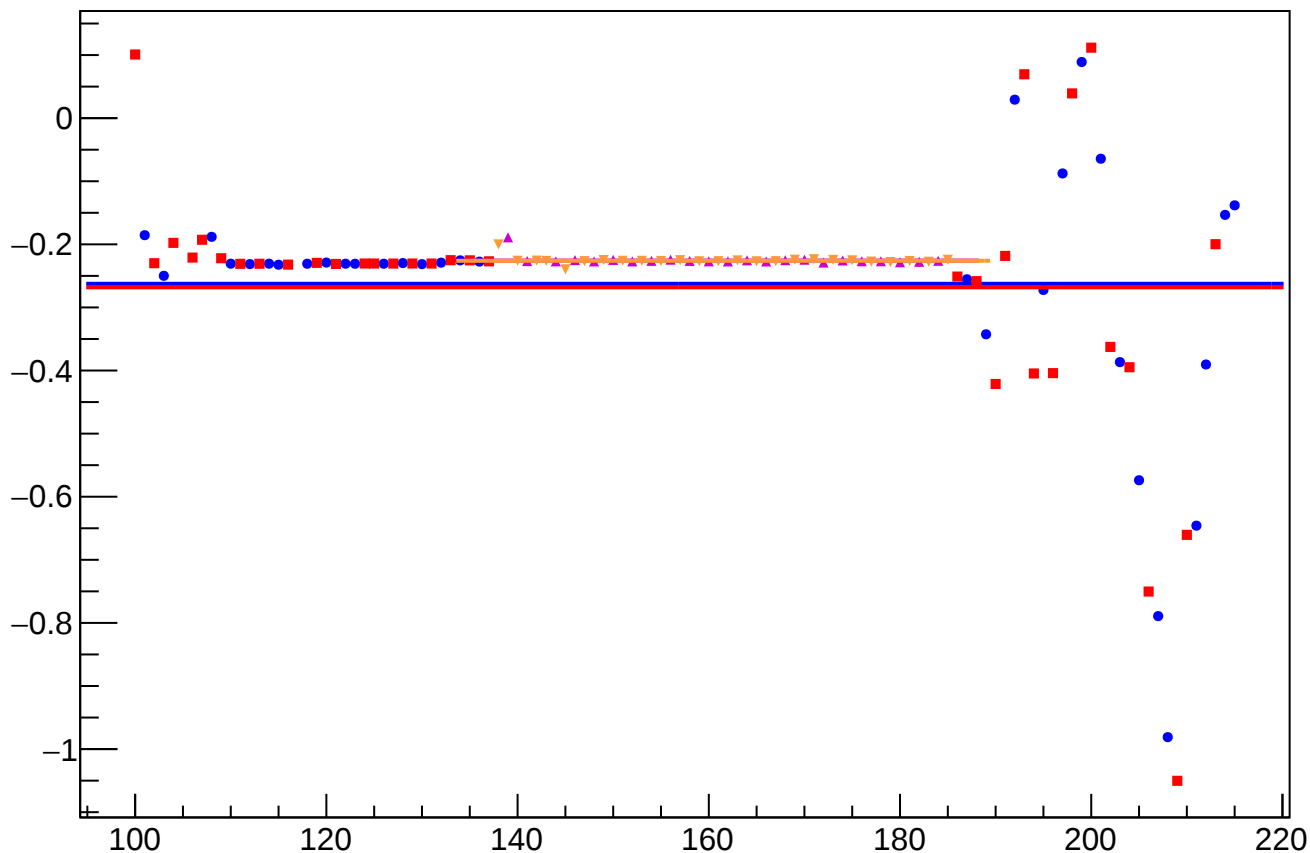
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 15243105.3/56

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 30961315.4/113

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 15717914.4/56

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: -0.268+/-0.000 χ^2/NDF : 25233911908.2/33

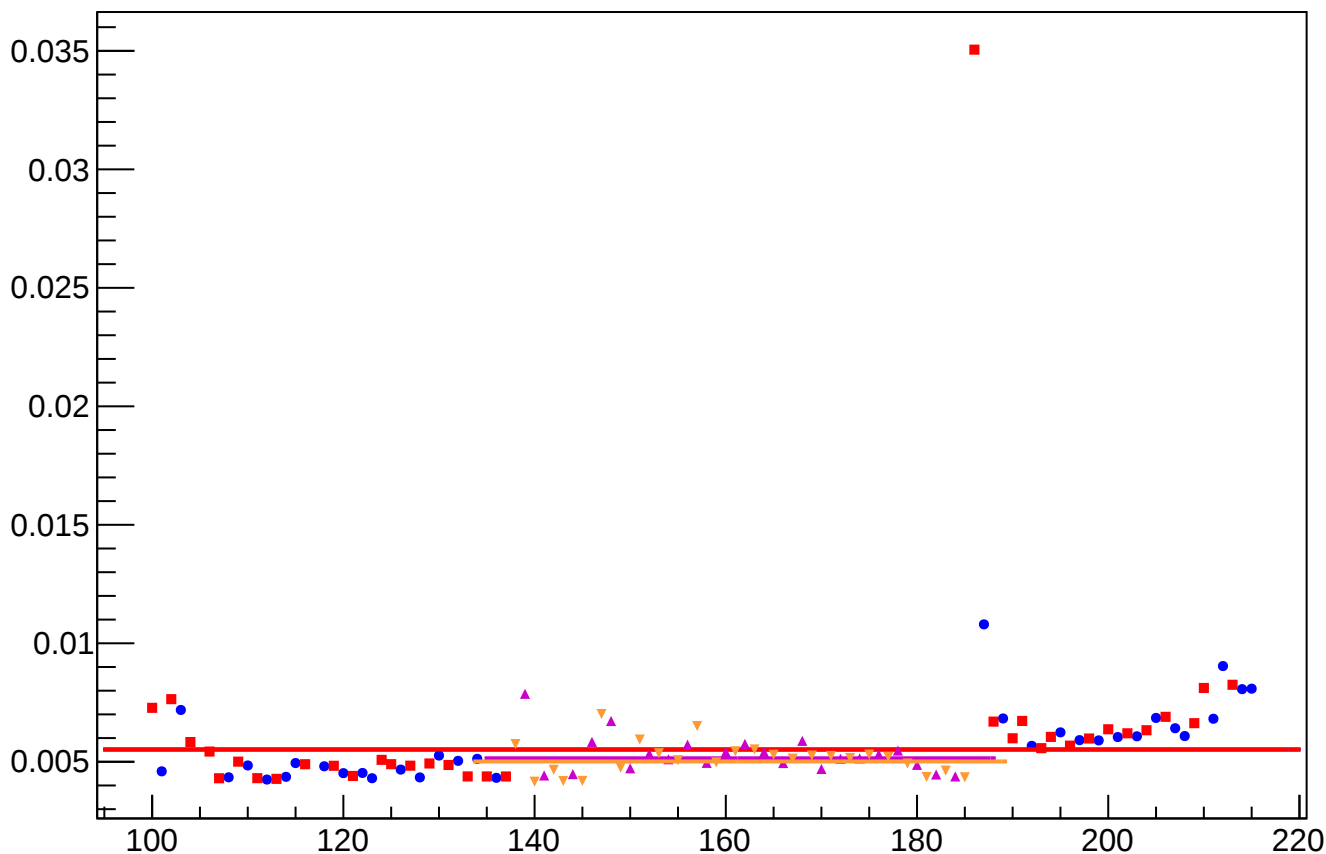
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.242+/-0.000 χ^2/NDF : 25540692201.2/56

All: -0.243+/-0.000 χ^2/NDF : 51292632540.1/100

- sign -0.245+/-0.000 χ^2/NDF : 25746130697.1/56

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 : 1607744.0/33

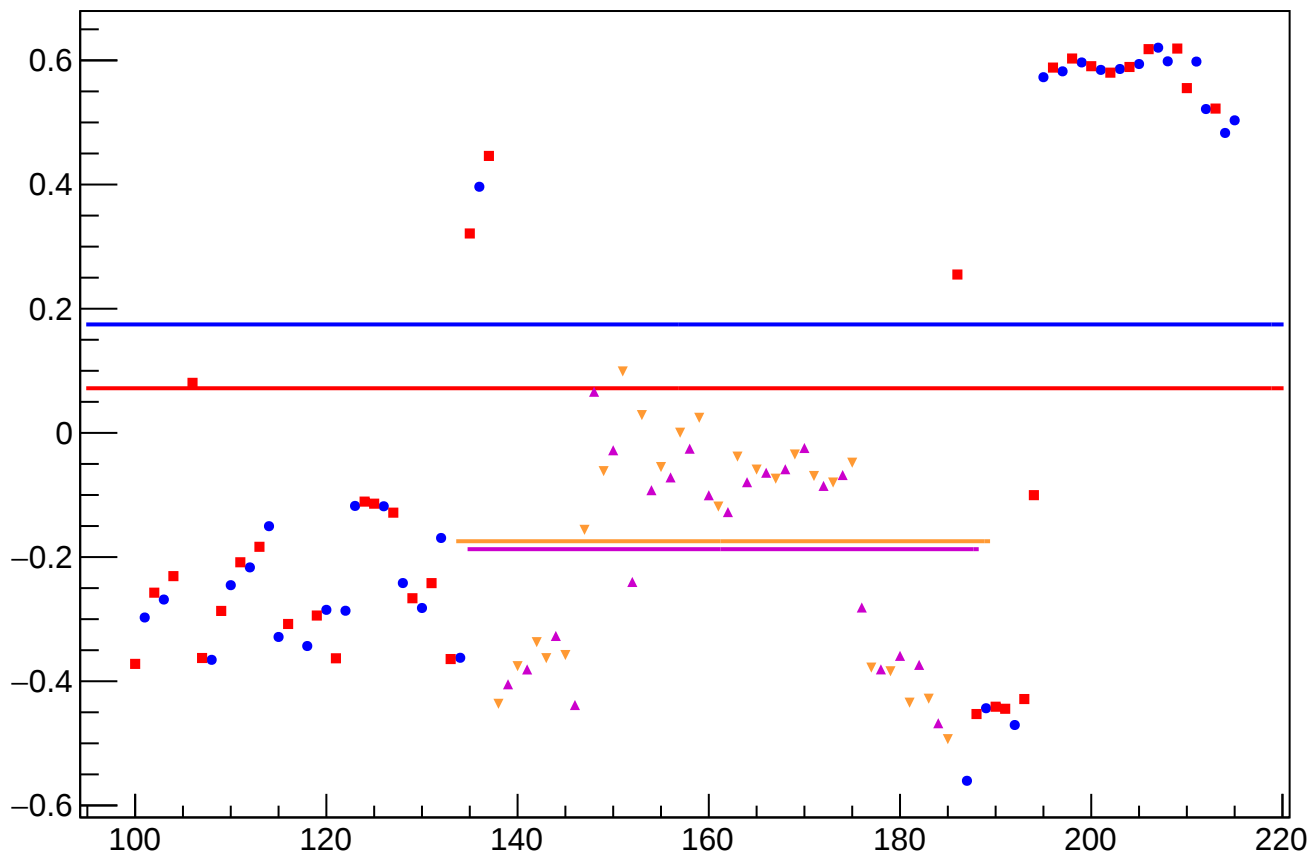
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 2043889.2/56

All: 0.005+/-0.000 χ^2/NDF : 4233000.3/113

- sign 0.005+/-0.000 χ^2/NDF : 2179999.5/56

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: 0.072+/-0.000 χ^2/NDF : 66224140462.2/33

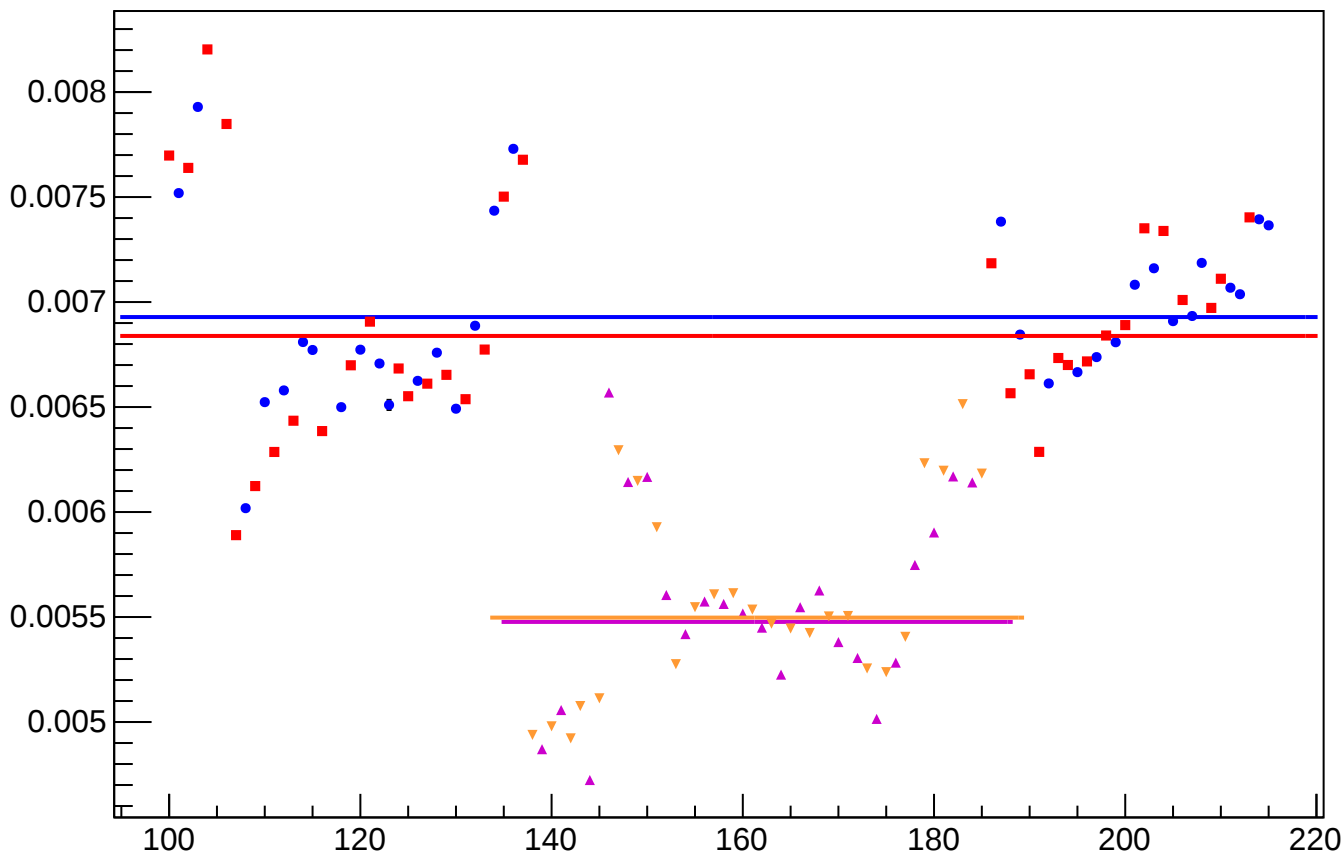
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.041+/-0.000 χ^2/NDF : 113719391880.1/56

All: -0.062+/-0.000 χ^2/NDF : 208220046556.8

- sign -0.084+/-0.000 χ^2/NDF : 93649365606.2/56

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 104658.1/31

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 198746.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 142070.0/33

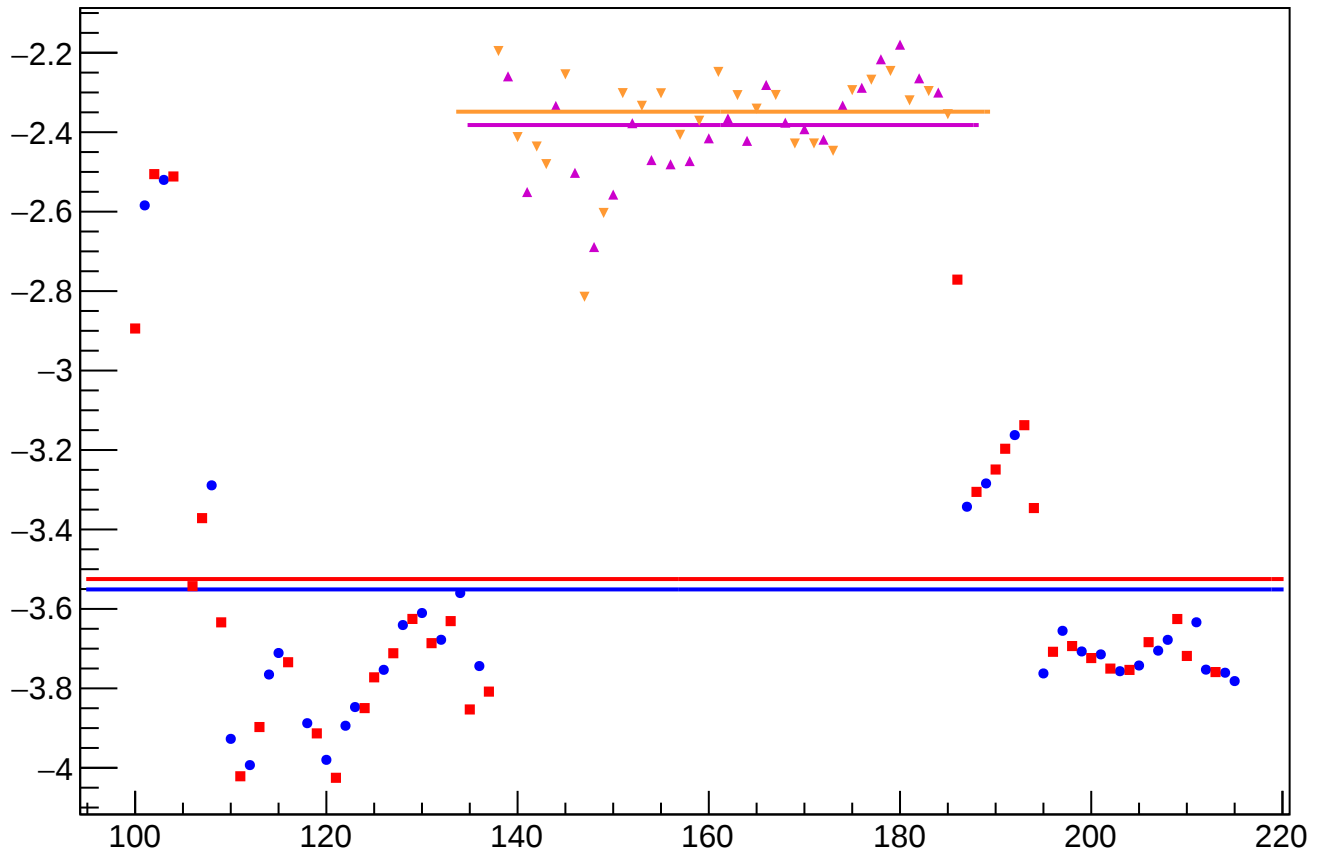
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 202181.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1206650.6/56

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 2358221.5/113

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1150980.4/56

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: -3.525+/-0.000 χ^2/NDF : 31318054954.9/33

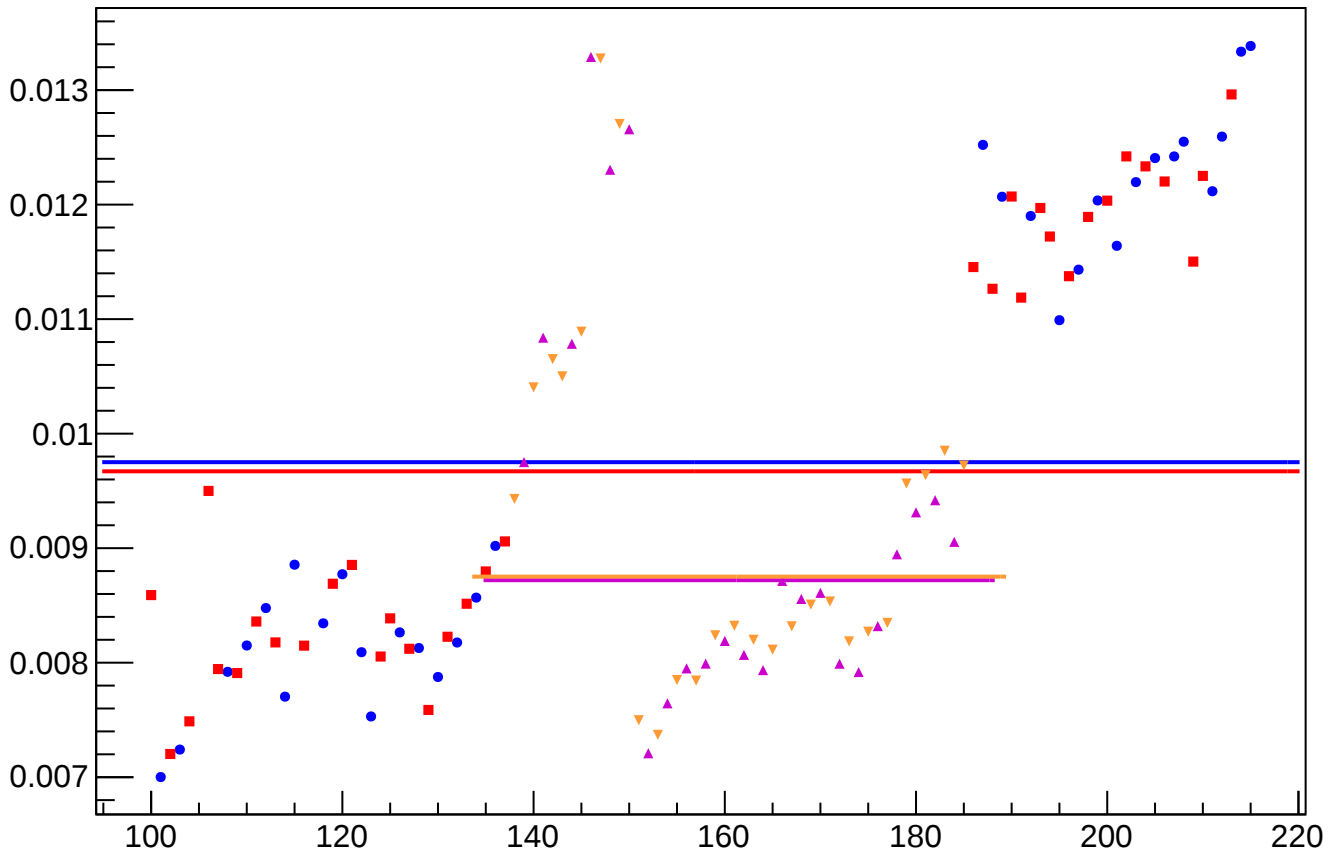
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.868+/-0.000 χ^2/NDF : 173511163782.0/56

All: -2.881+/-0.000 χ^2/NDF : 332034033096.0

- sign -2.894+/-0.000 χ^2/NDF : 158397915806.3/56

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: 1274912.0/33

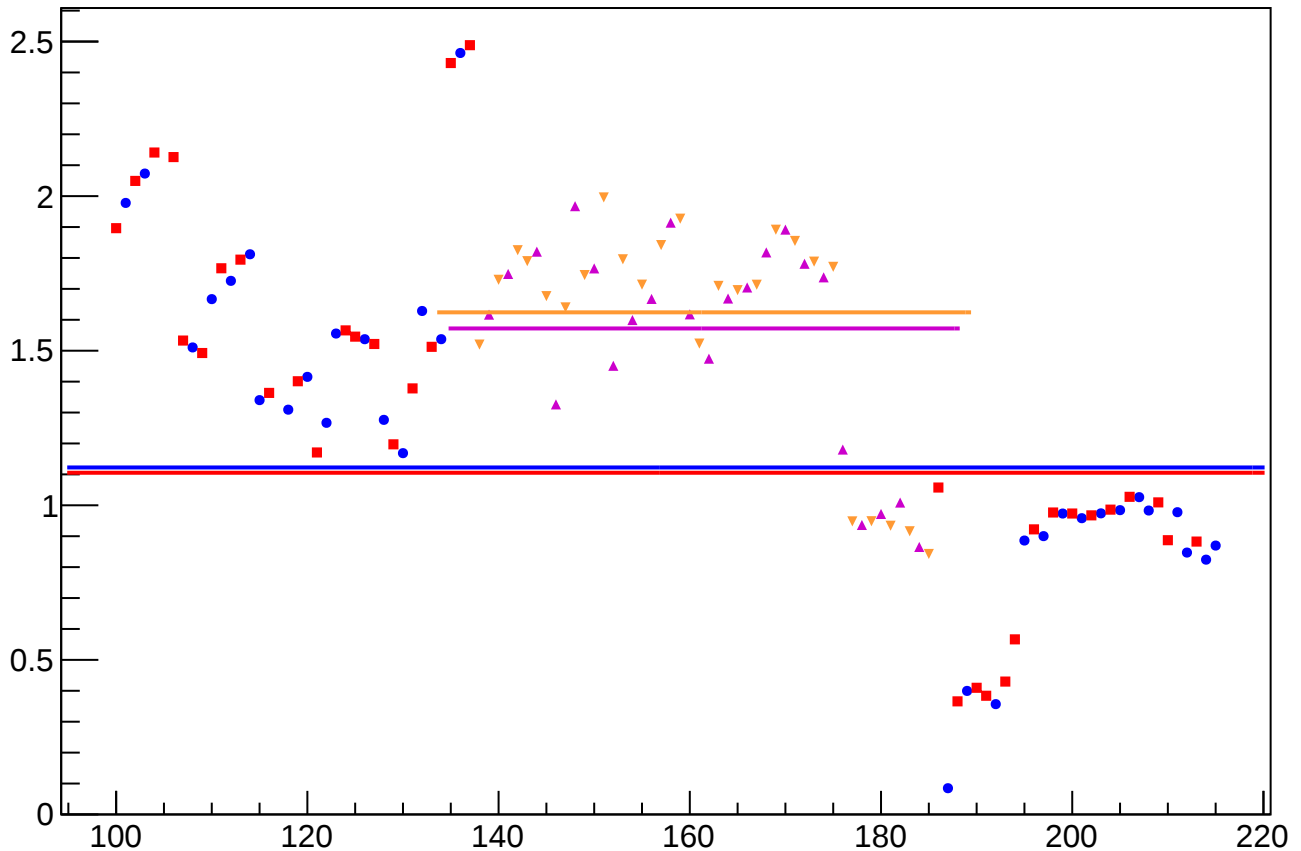
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:747867.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2380541.4/56

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4576505.9/113

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2195413.8/56

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: 1.105 $\pm$ 0.000 χ^2 /NDF: 33157275731.4/33

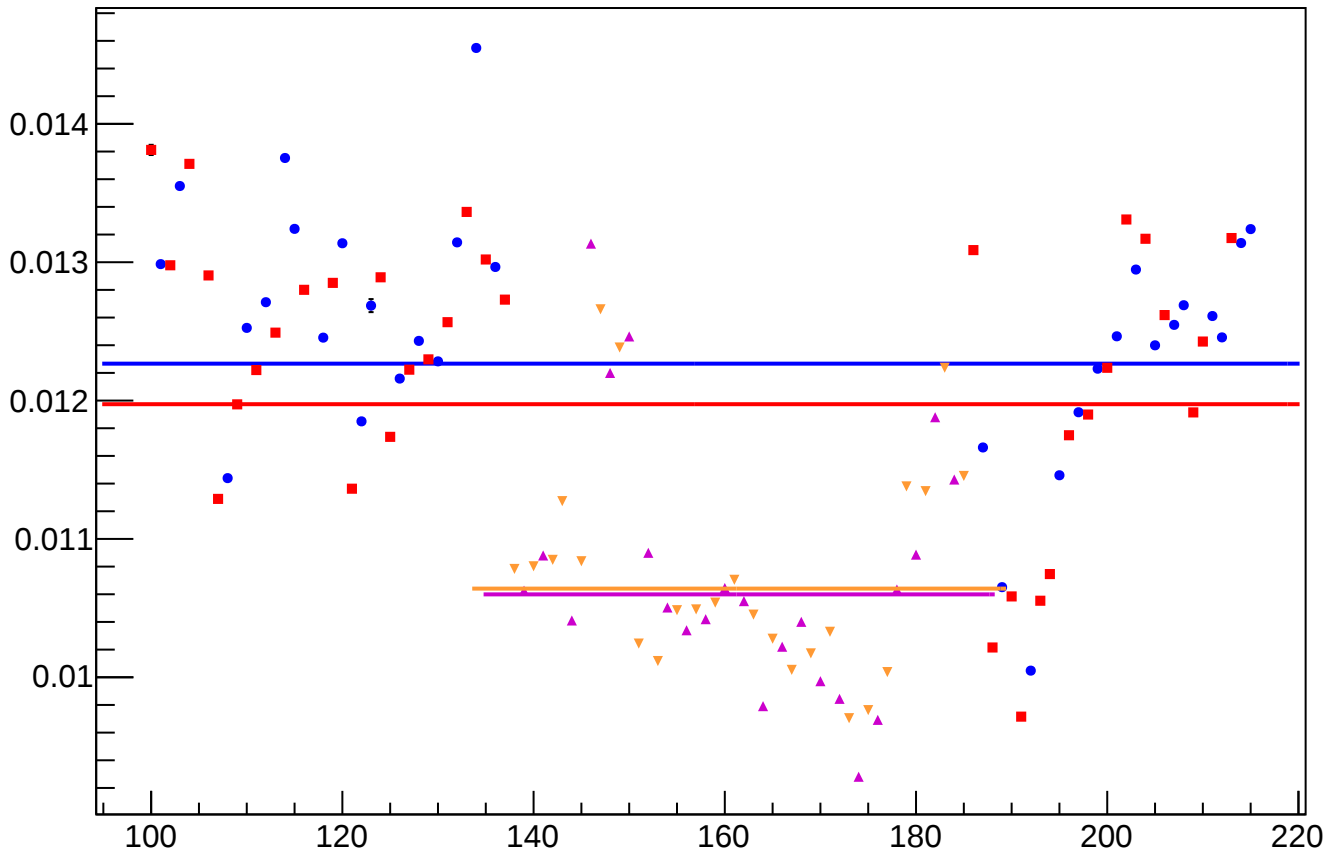
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.414 $\pm$ 0.000 χ^2 /NDF: 61957399092.6/56

All: 1.390 $\pm$ 0.000 χ^2 /NDF: 123852237373.2

- sign 1.366 $\pm$ 0.000 χ^2 /NDF: 61593115942.9/56

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 186300.5/31

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 245510.7/33

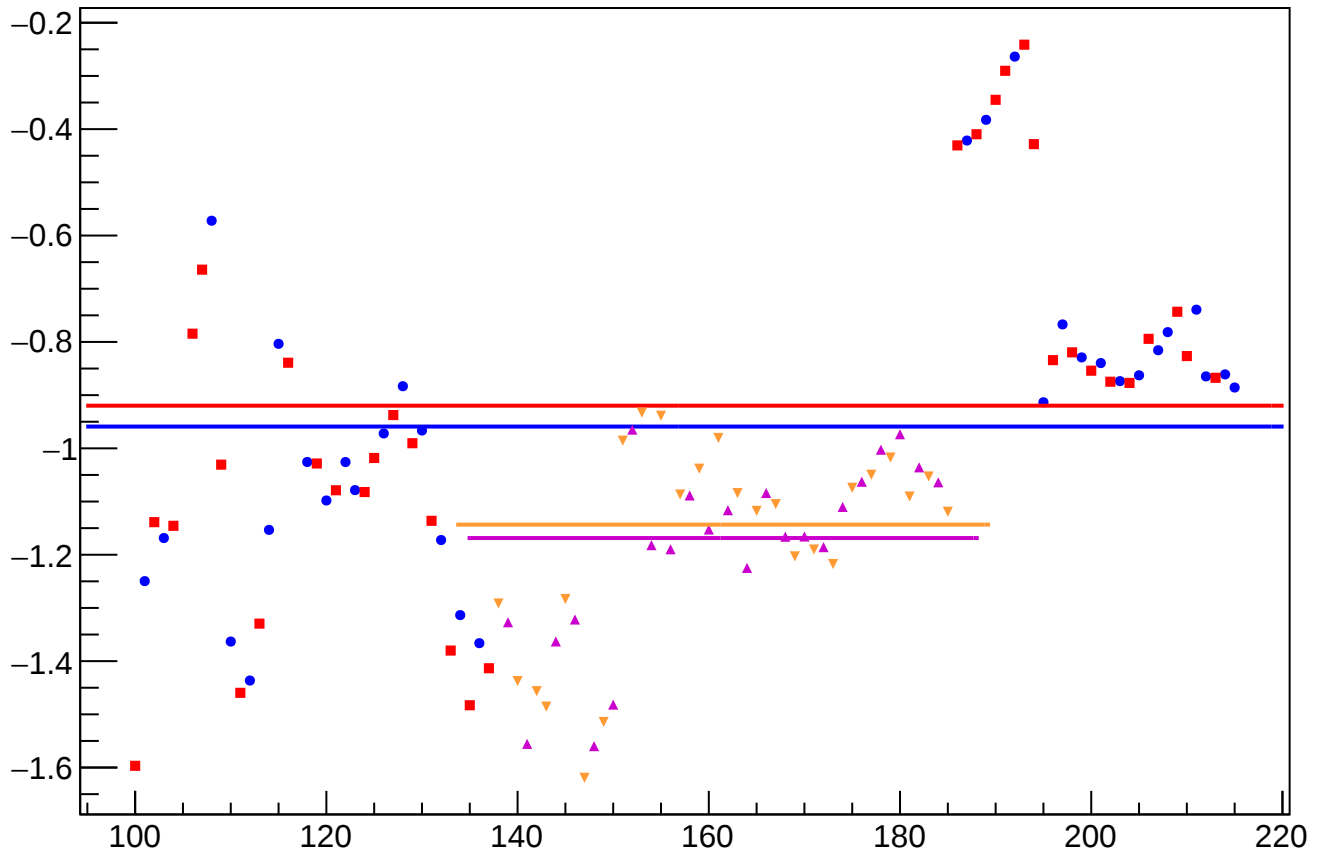
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 692270.8/56

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1392439.3/113

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 696498.0/56

yield_bpm0i02aY_mean vs Slug



Right In: -0.959 ± 0.000 $\chi^2/\text{NDF}: 11487342105.7/31$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -0.920 ± 0.000 $\chi^2/\text{NDF}: 16091002804.6/33$

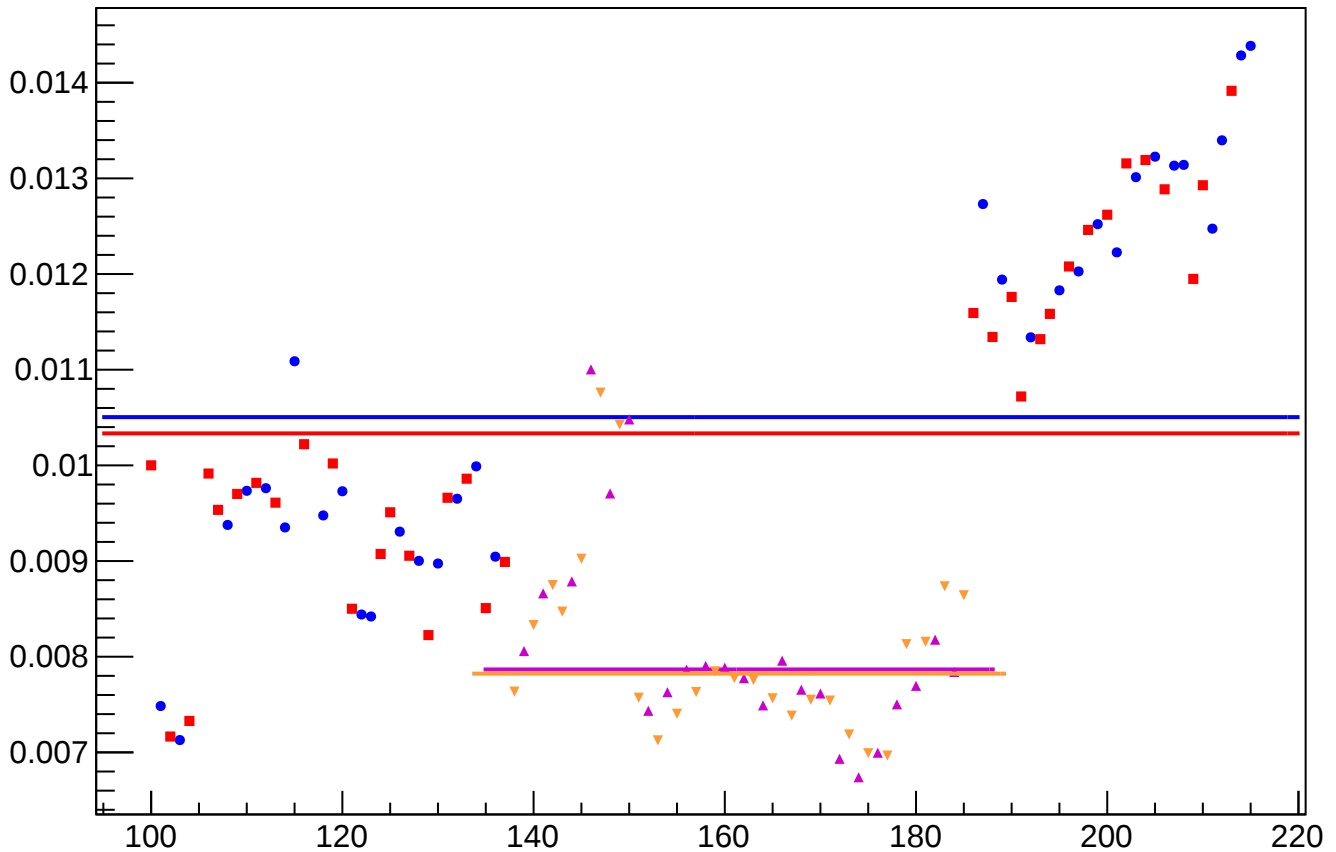
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.080 ± 0.000 $\chi^2/\text{NDF}: 22740939069.7/56$

All: -1.079 ± 0.000 $\chi^2/\text{NDF}: 51118238637.3/100$

- sign -1.078 ± 0.000 $\chi^2/\text{NDF}: 28376332833.1/56$

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 : 1100601.8/33

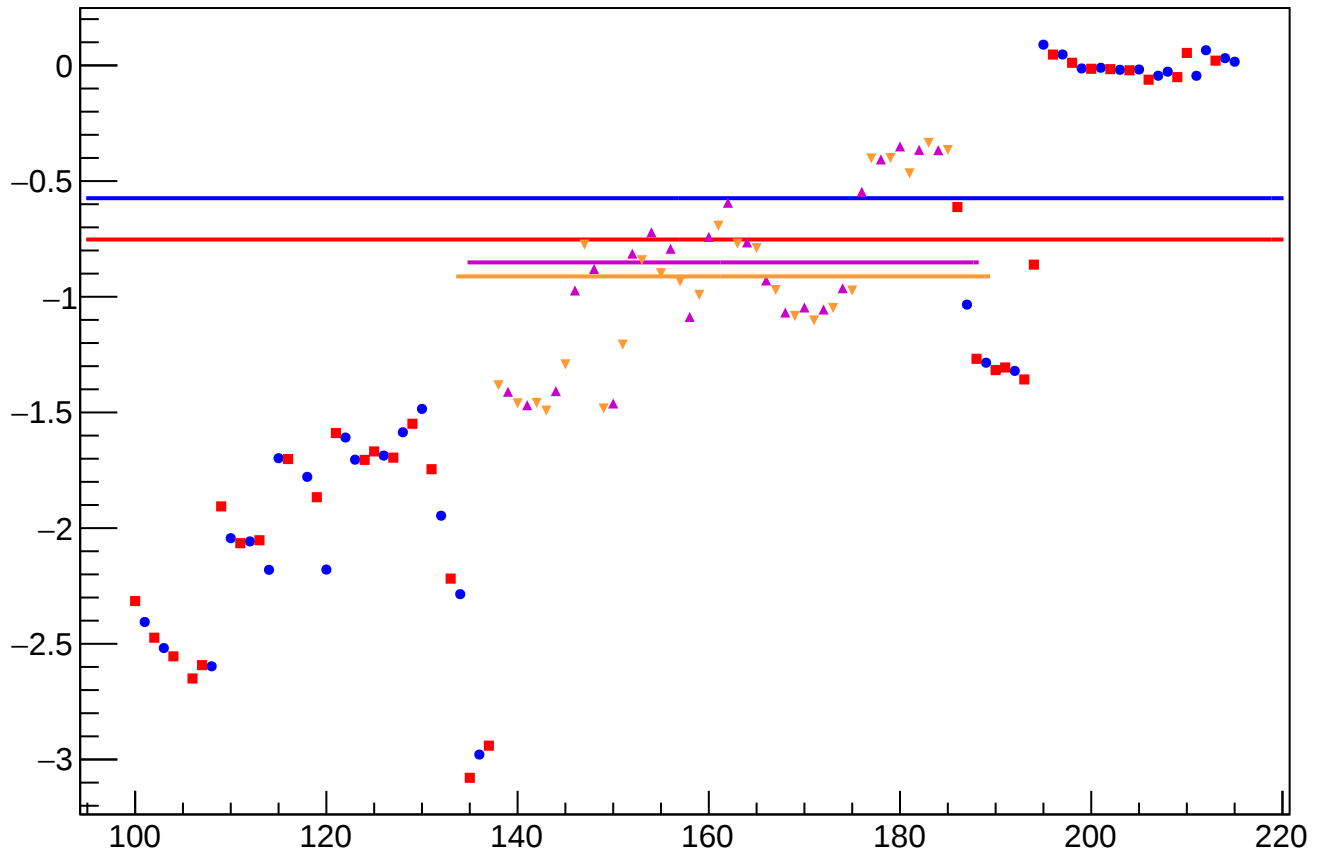
Left In: 0.008+/-0.000 χ^2/NDF : 379901.3/22

+ sign 0.009+/-0.000 χ^2/NDF : 3044950.5/56

All: 0.009+/-0.000 χ^2/NDF : 5690867.5/113

- sign 0.009+/-0.000 χ^2/NDF : 2645729.5/56

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: -0.753 ± 0.000 $\chi^2/\text{NDF}: 420187253668.8/33$

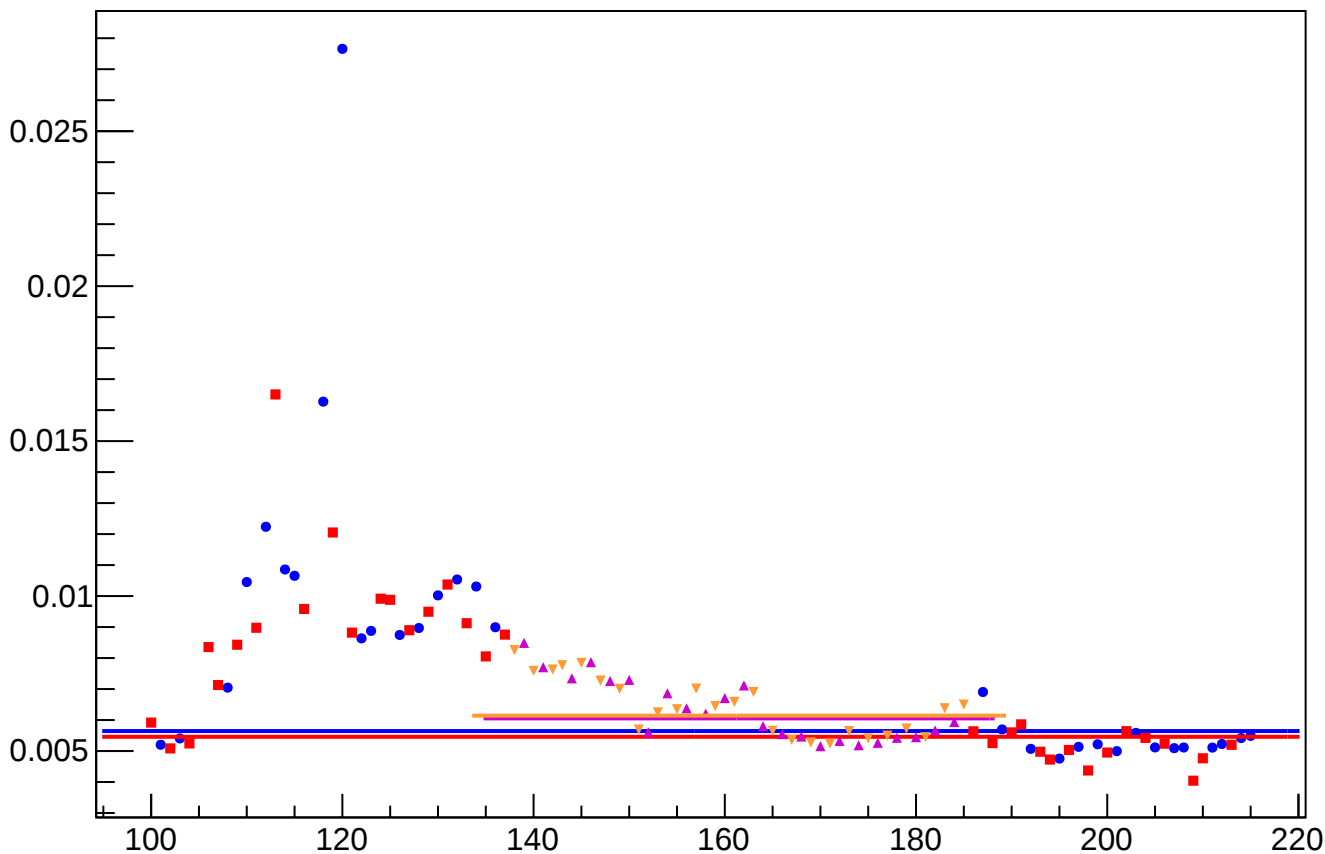
Left In: -0.851 ± 0.000 $\chi^2/\text{NDF}: 46438446008.2/22$

+ sign -0.741 ± 0.000 $\chi^2/\text{NDF}: 479899150741.5/56$

All: -0.770 ± 0.000 $\chi^2/\text{NDF}: 950326629598.4$

- sign -0.799 ± 0.000 $\chi^2/\text{NDF}: 468870048357.7/56$

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 : 2130057.0/33

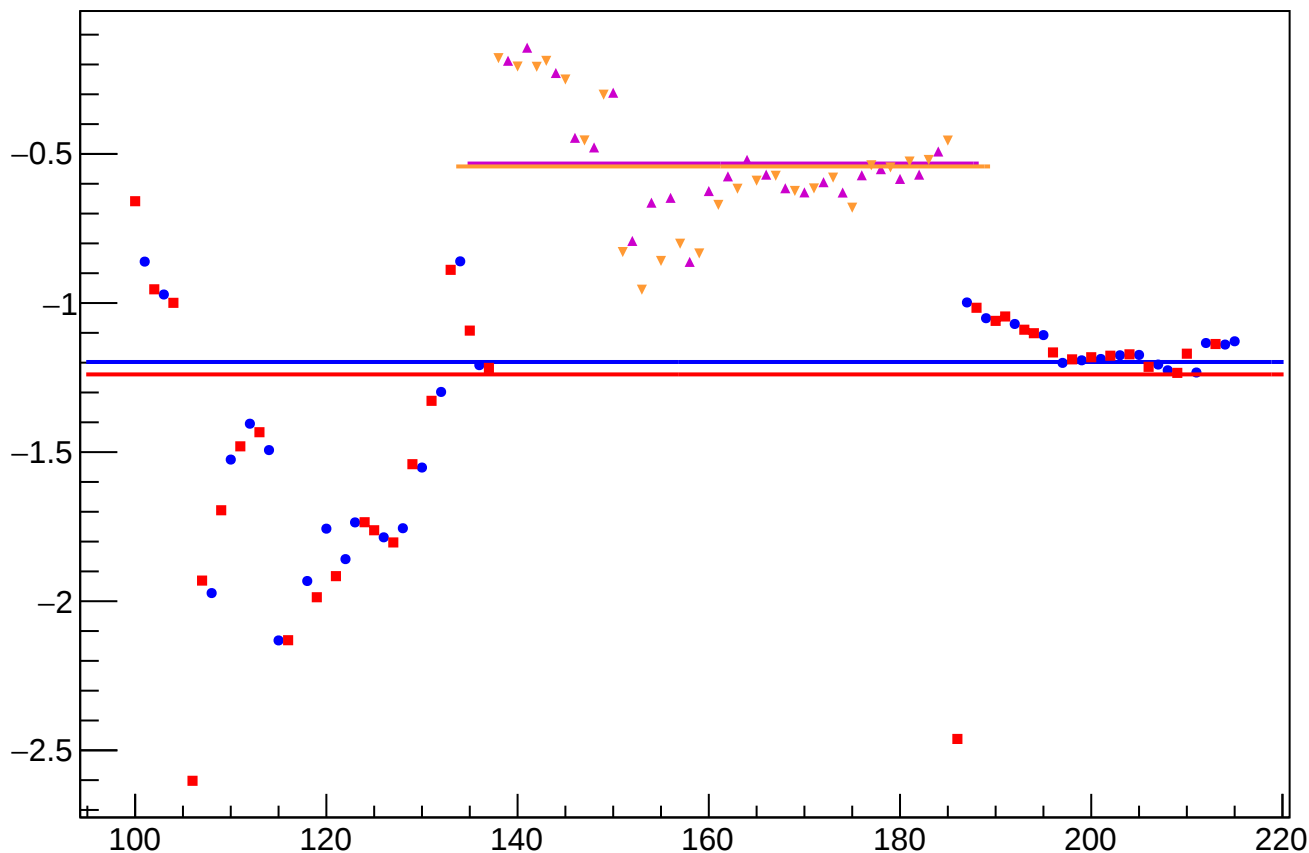
Left In: 0.006+/-0.000 χ^2/NDF :697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2810248.3/56

All: 0.006+/-0.000 χ^2/NDF : 5819532.4/113

- sign 0.006+/-0.000 χ^2/NDF : 2988822.6/56

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: 79541584147.8/33

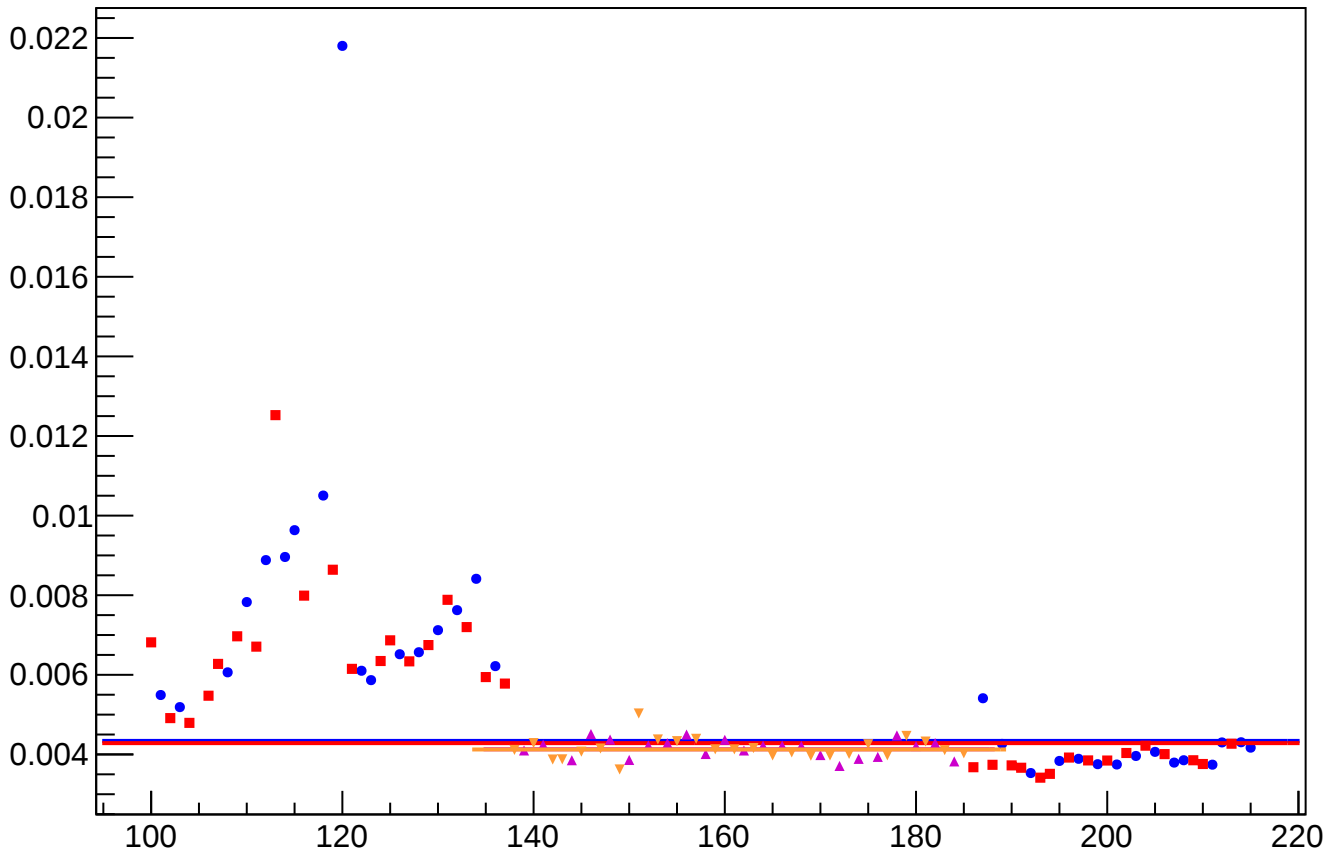
Left In: -0.532+/-0.000 χ^2 /NDF: 30715235426.8/22

+ sign -0.829+/-0.000 χ^2 /NDF: 260640703493.1/56

All: -0.841+/-0.000 χ^2 /NDF: 584879501773.0

- sign -0.854+/-0.000 χ^2 /NDF: 323655692588.0/56

yield_bpm0i05Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 2071962.5/31

Left Out: 0.004+/-0.000 χ^2/NDF :113033.9/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1889295.5/33

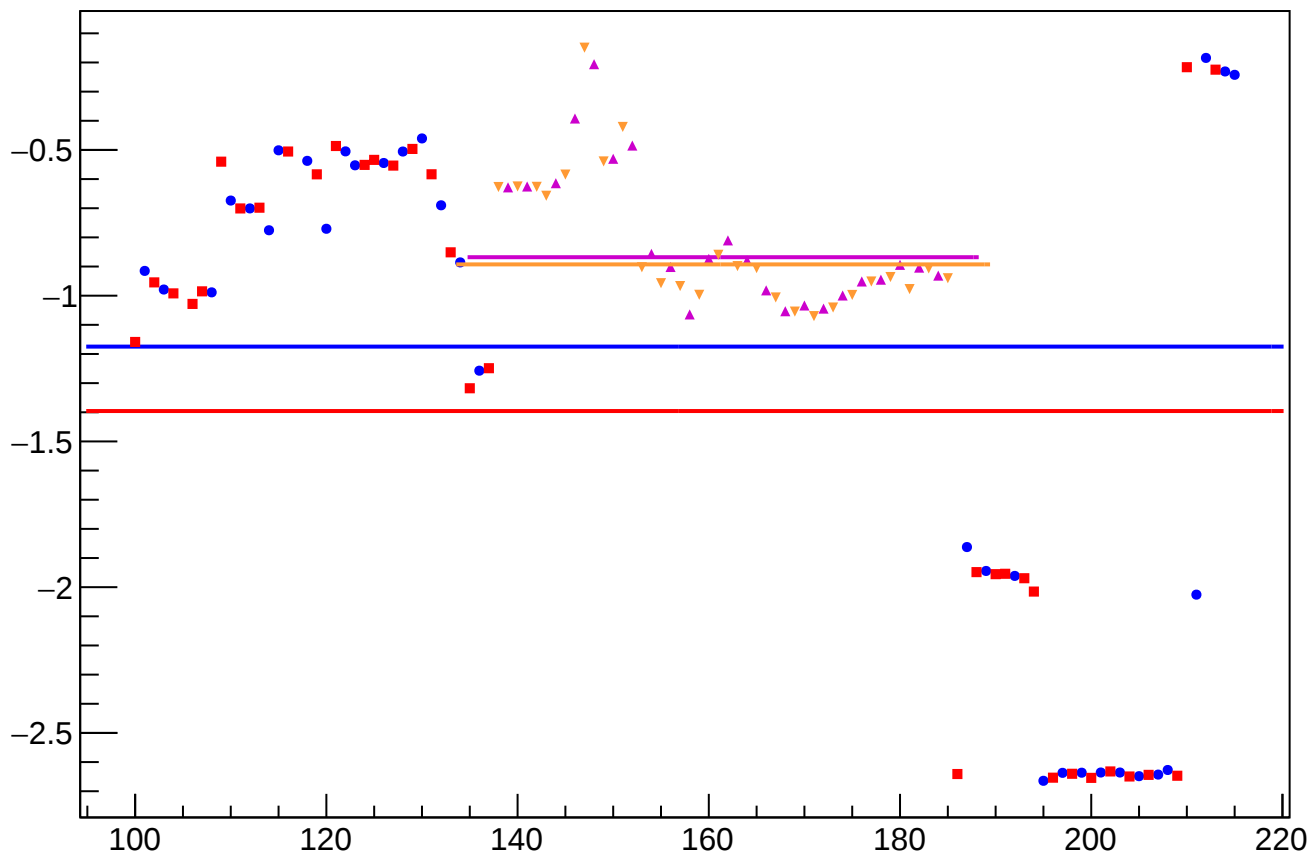
Left In: 0.004+/-0.000 χ^2/NDF :93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 2225140.2/56

All: 0.004+/-0.000 χ^2/NDF : 4228420.7/113

- sign 0.004+/-0.000 χ^2/NDF : 2002683.3/56

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: -1.396 ± 0.000 χ^2/NDF : 590587816086.1/33

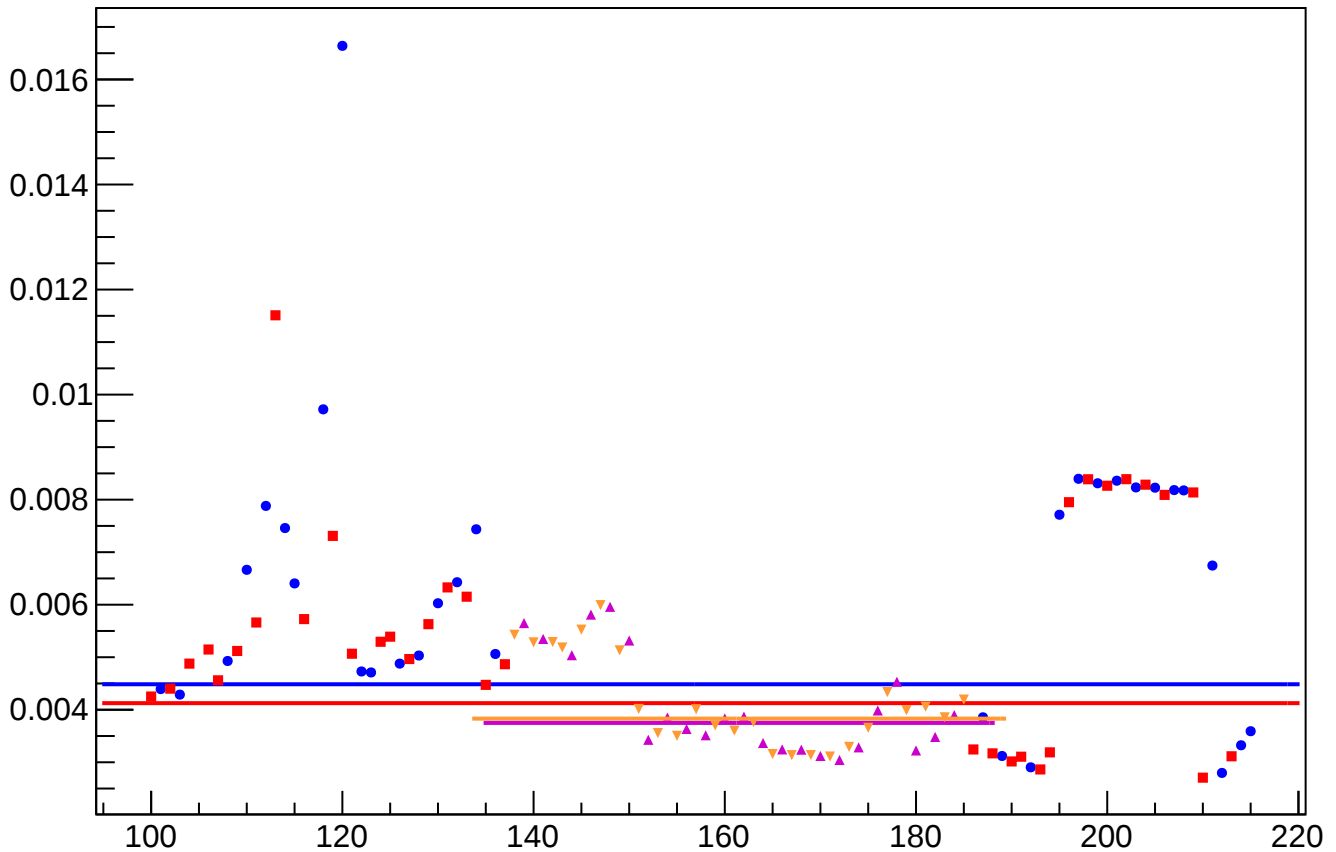
Left In: -0.868 ± 0.000 χ^2/NDF : 43853190177.2/22

+ sign -0.999 ± 0.000 χ^2/NDF : 616760086042.8/56

All: -1.045 ± 0.000 χ^2/NDF : 1388565559422

- sign -1.088 ± 0.000 χ^2/NDF : 764291931918.5/56

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: 4712771.9/33

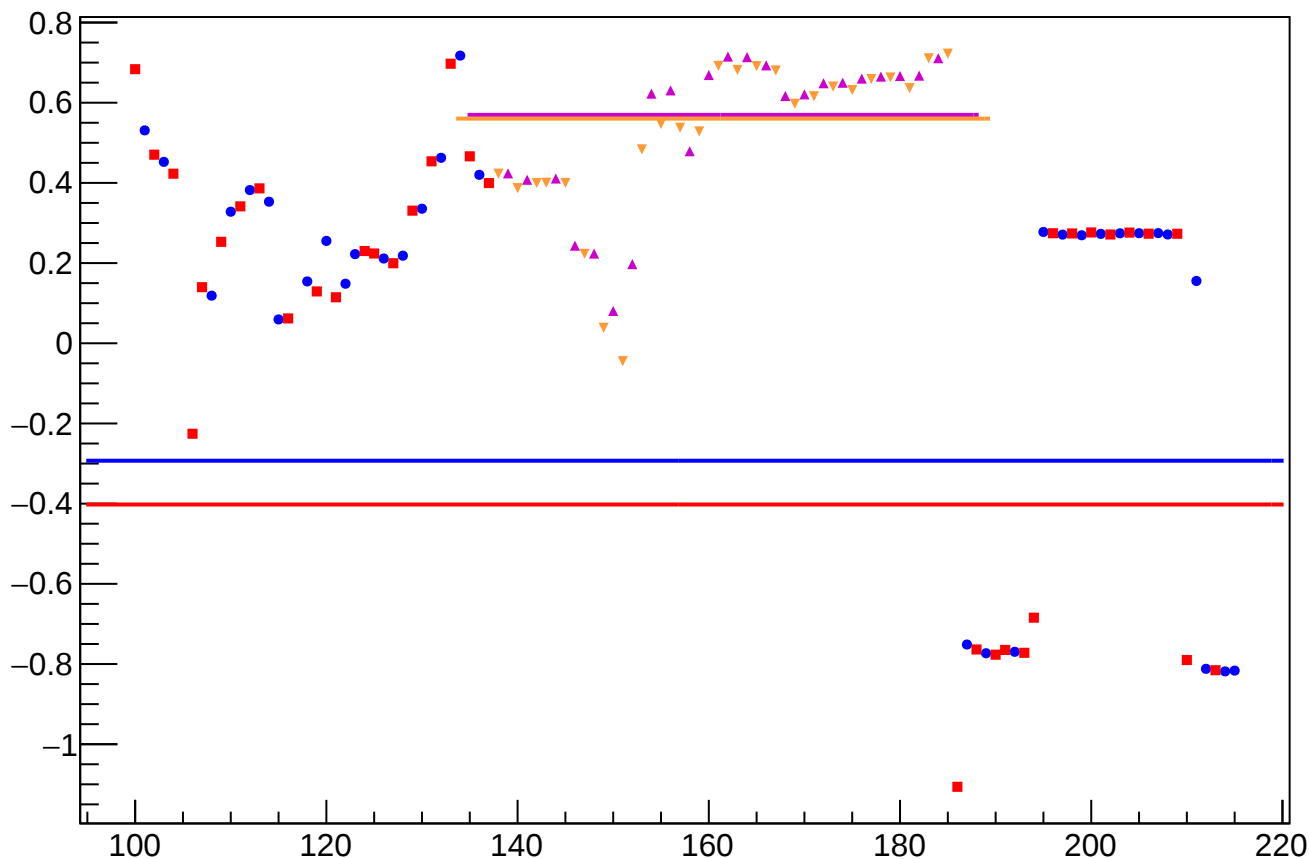
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6602717.9/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12790037.2/113

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6133564.5/56

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: -0.402+/-0.000 χ^2/NDF : 515809360427.2/33

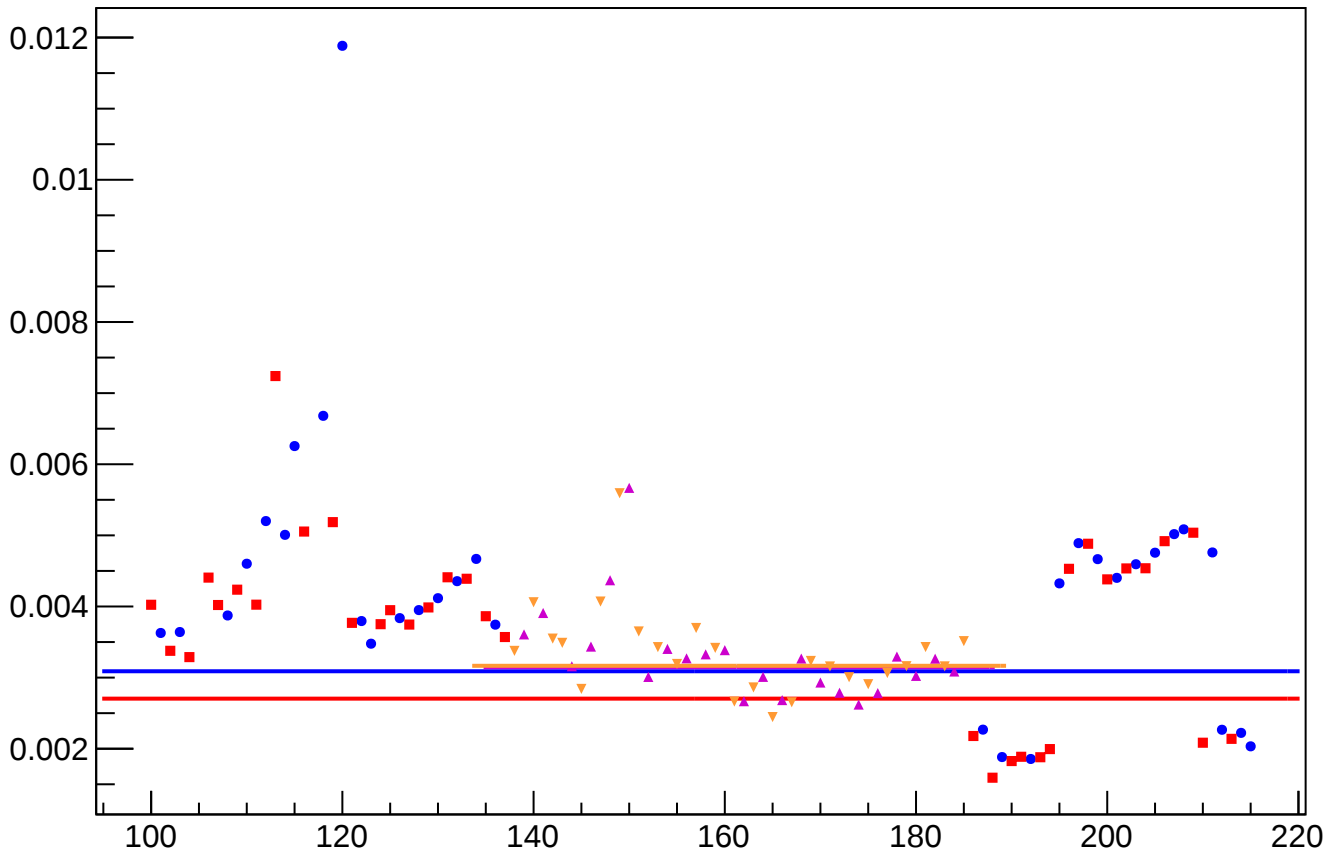
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.157+/-0.000 χ^2/NDF : 1048946202311.2/56

All: 0.099+/-0.000 χ^2/NDF : 2417745738732.0/110

- sign 0.047+/-0.000 χ^2/NDF : 1349311020042.0/56

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 : 5024490.5/33

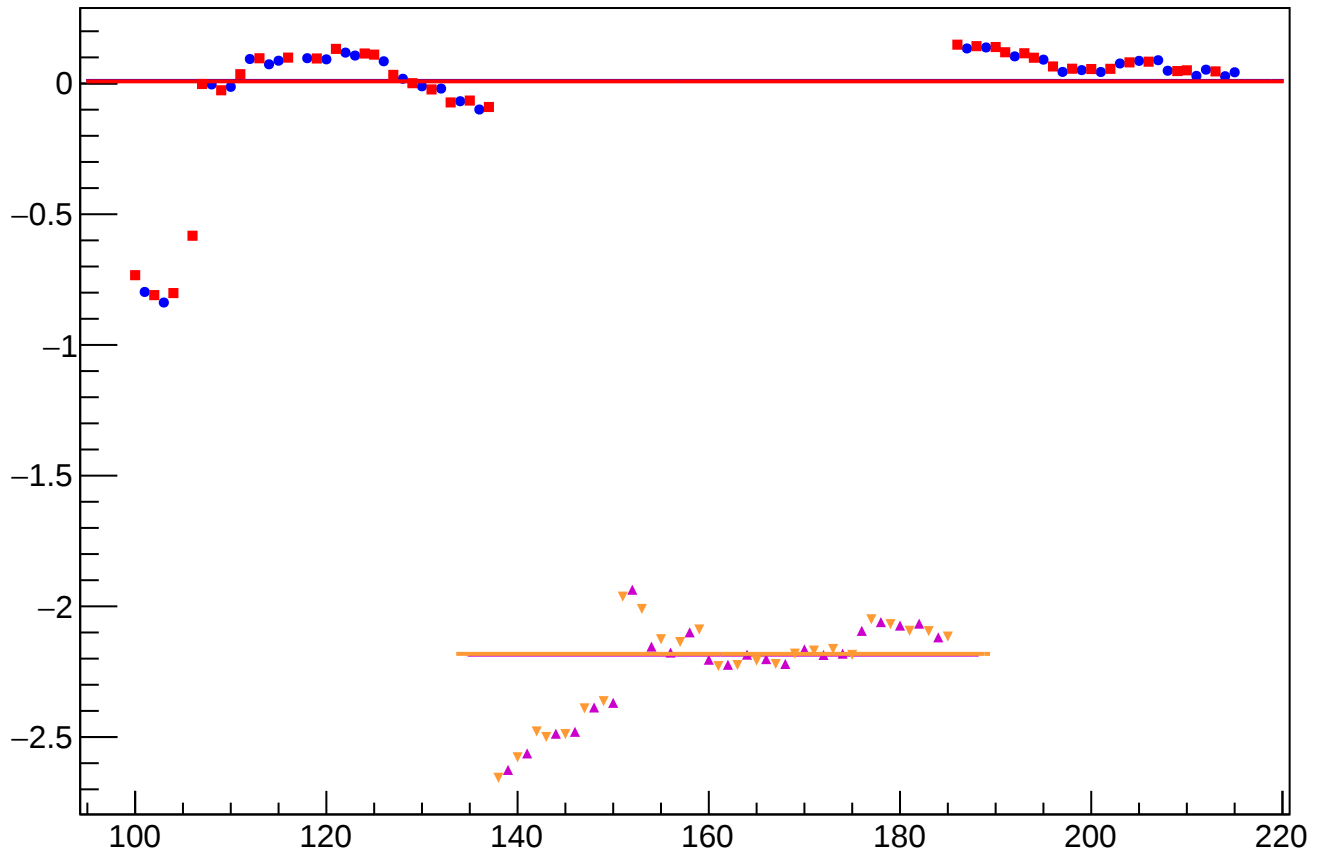
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 5282572.5/56

All: 0.003+/-0.000 χ^2/NDF : 11508399.2/113

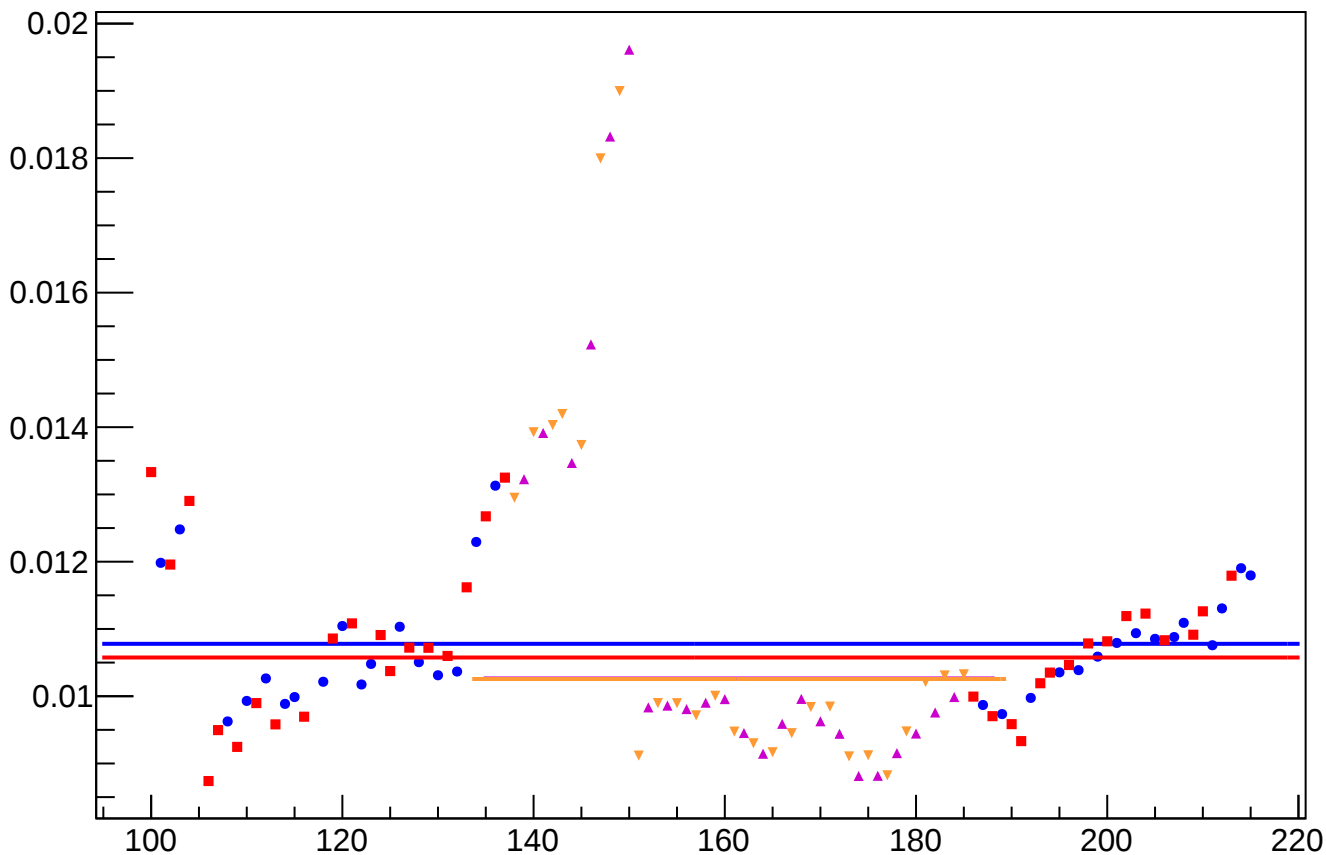
- sign 0.003+/-0.000 χ^2/NDF : 6068554.8/56

yield_bpm1i02X_mean vs Slug



Right In: 0.010+/-0.000	χ^2/NDF : 5917460731.5/31	+ sign -1.154+/-0.000	χ^2/NDF : 387808354720.2/56
Left Out: -2.182+/-0.000	χ^2/NDF : 4008829567.0/24	All: -1.130+/-0.000	χ^2/NDF : 771141439209.2
Right Out: 0.008+/-0.000	χ^2/NDF : 6983479600.3/33	- sign -1.105+/-0.000	χ^2/NDF : 382962501181.1/56
Left In: -2.185+/-0.000	χ^2/NDF : 3372742534.3/22		

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 : 247355.9/33

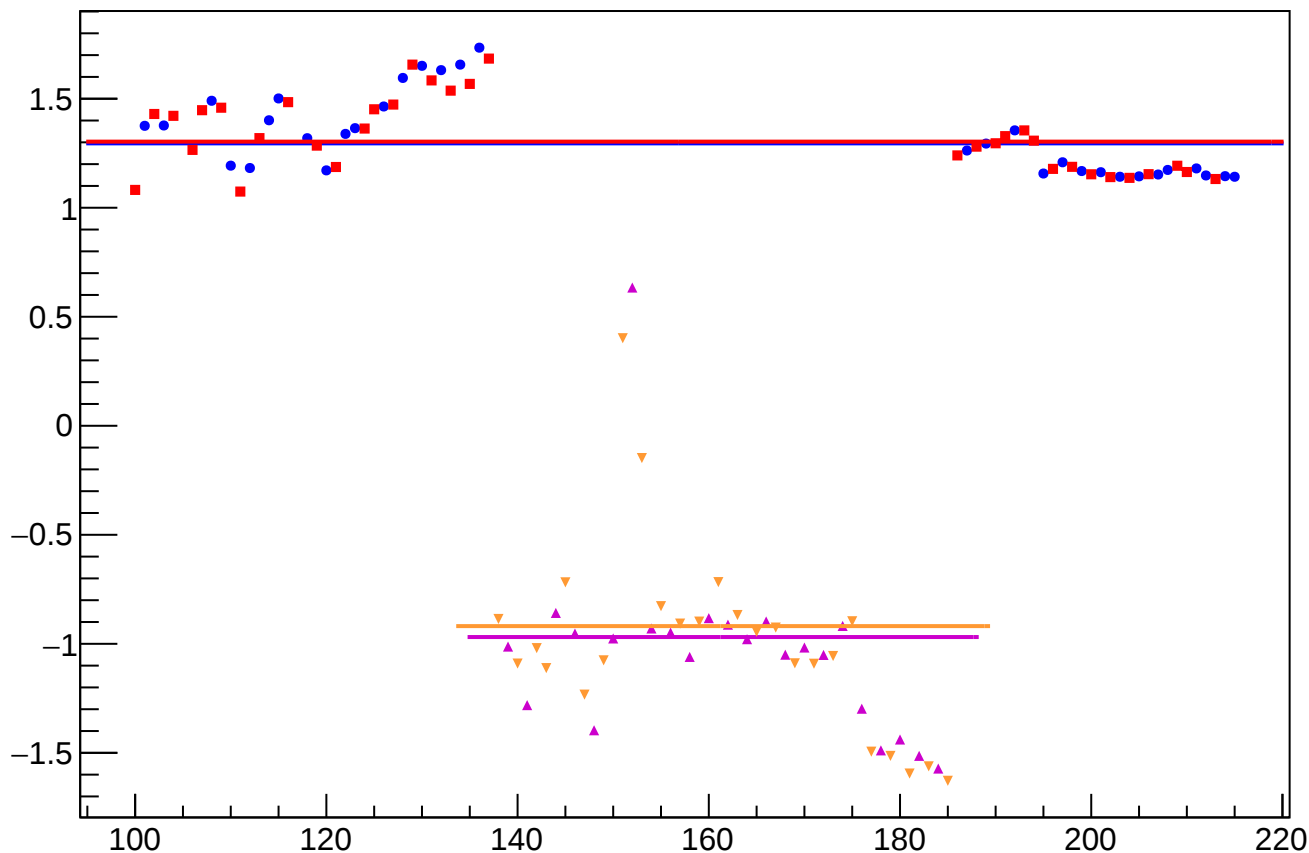
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 1497138.9/56

All: 0.010+/-0.000 χ^2/NDF : 3101953.5/113

- sign 0.010+/-0.000 χ^2/NDF : 1602622.0/56

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: 1.303 $\pm$ 0.000

χ^2 /NDF: 6502505422.5/33

Left In: -0.969 $\pm$ 0.000

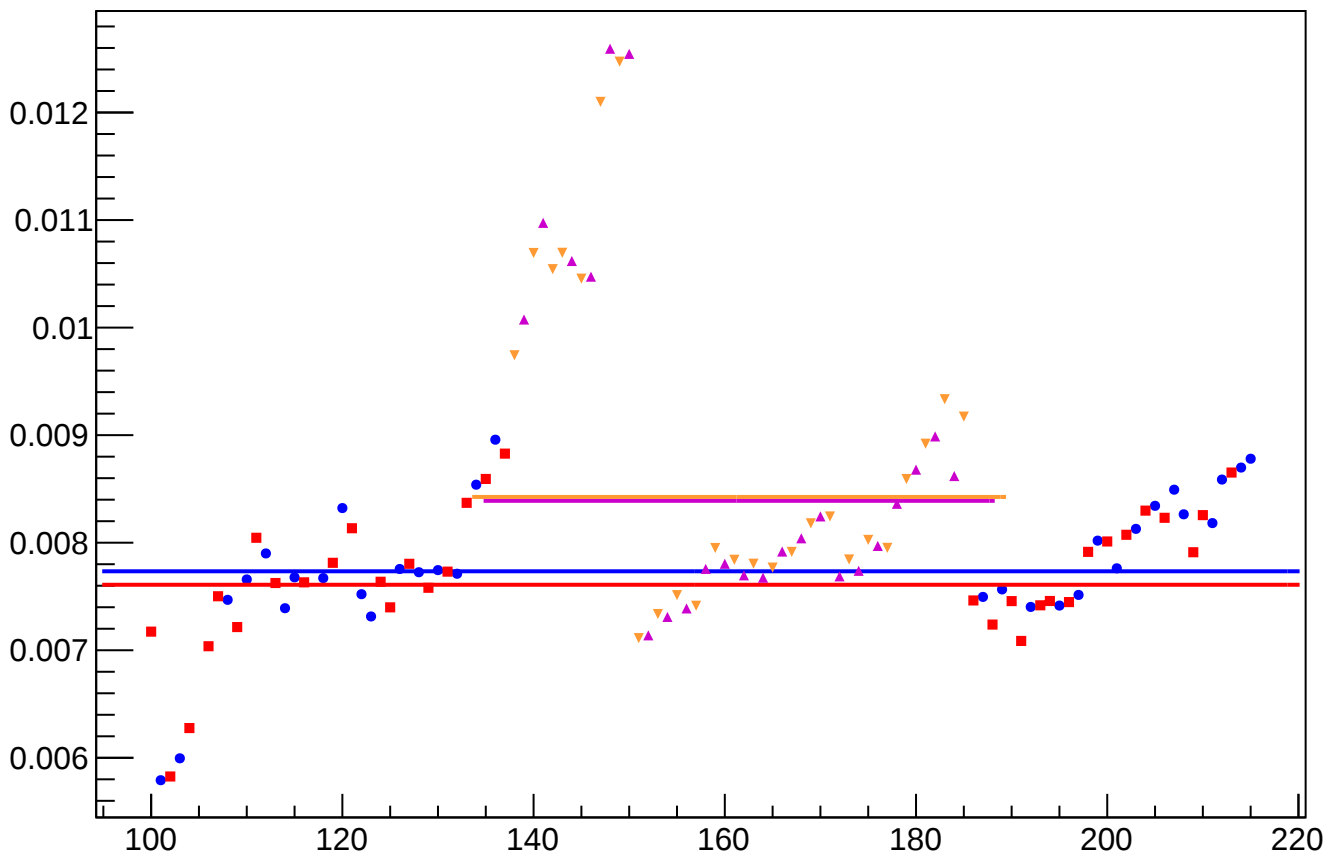
χ^2 /NDF: 54895002535.8/22

+ sign 0.259 $\pm$ 0.000 χ^2 /NDF: 721419315599.1/56

All: 0.272 $\pm$ 0.000 χ^2 /NDF: 1465512168703.

- sign 0.286 $\pm$ 0.000 χ^2 /NDF: 743897318628.3/56

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: 260066.2/33

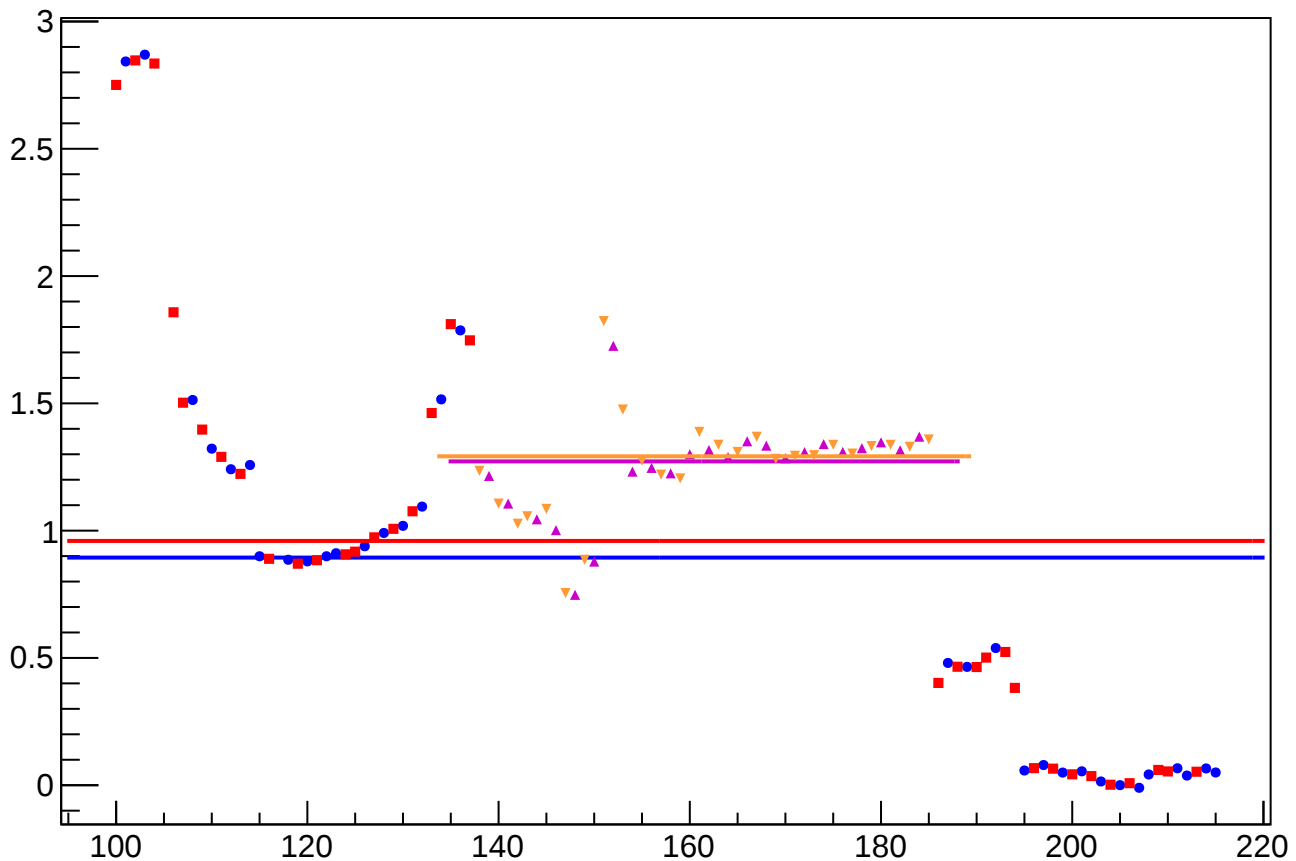
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1283834.0/56

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2550163.7/113

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1261032.5/56

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: 0.960 ± 0.000 χ^2/NDF : 132467826342.6/33

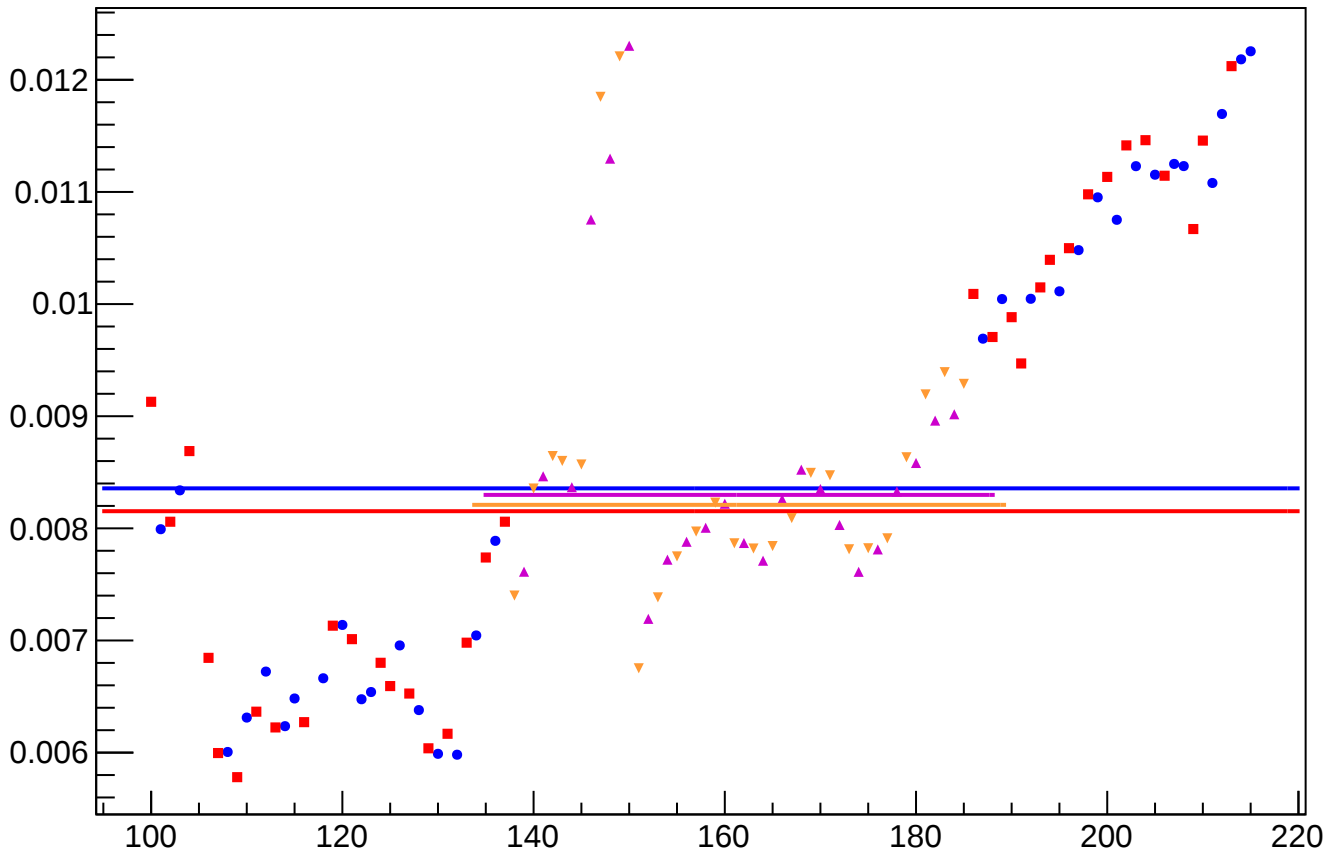
Left In: 1.272 ± 0.000 χ^2/NDF : 7573930981.2/22

+ sign 1.105 ± 0.000 χ^2/NDF : 171353850825.2/56

All: 1.111 ± 0.000 χ^2/NDF : 323298994229.5

- sign 1.116 ± 0.000 χ^2/NDF : 151917488341.2/56

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 : 2068295.7/33

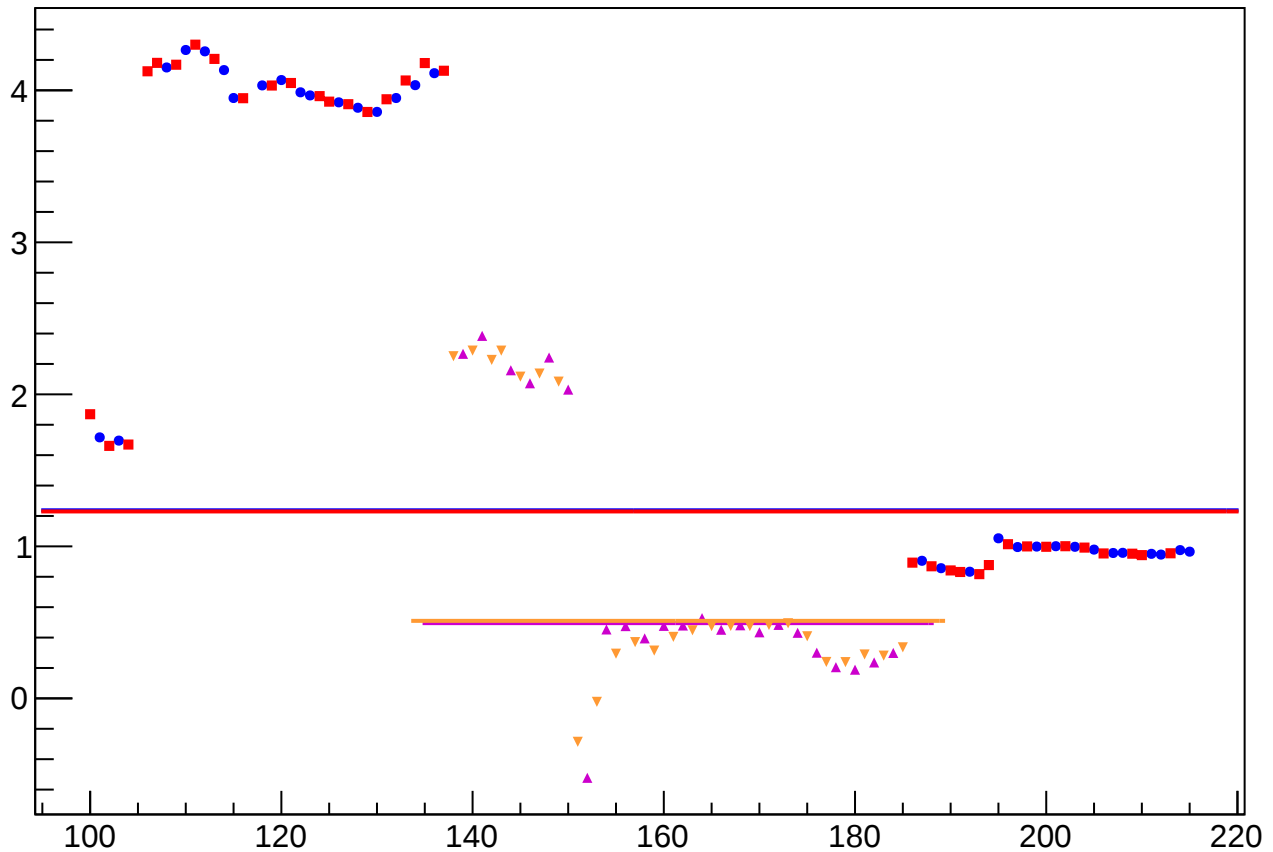
Left In: 0.008+/-0.000 χ^2/NDF :462022.1/22

+ sign 0.008+/-0.000 χ^2/NDF : 2621897.8/56

All: 0.008+/-0.000 χ^2/NDF : 5158745.0/113

- sign 0.008+/-0.000 χ^2/NDF : 2535467.7/56

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: 1.230 $\pm$ 0.000 χ^2 /NDF: 1716529455397.1/33

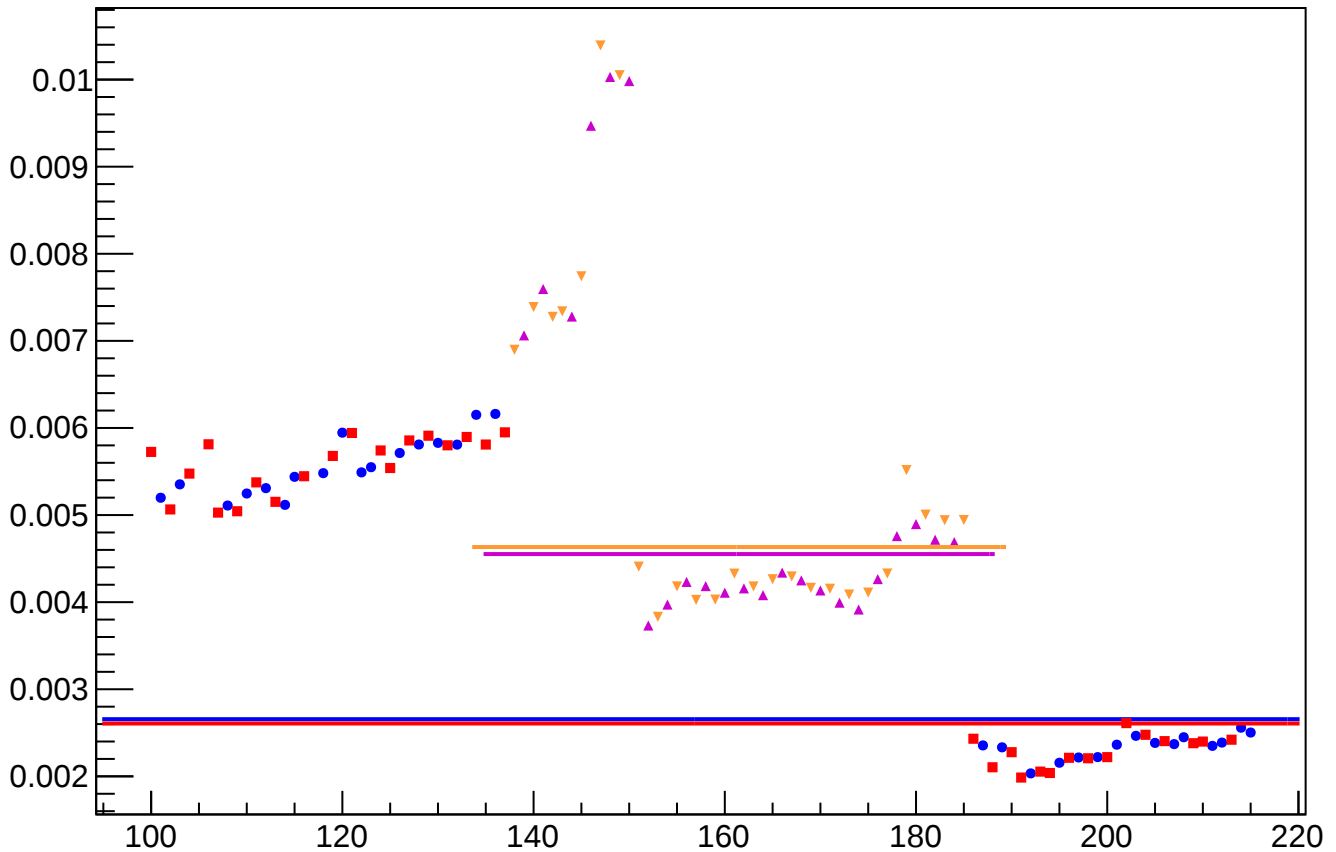
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.038 $\pm$ 0.000 χ^2 /NDF: 2106145375214.1/56

All: 1.036 $\pm$ 0.000 χ^2 /NDF: 4391799968076.1

- sign 1.034 $\pm$ 0.000 χ^2 /NDF: 2285636572120.3/56

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 : 4474345.7/33

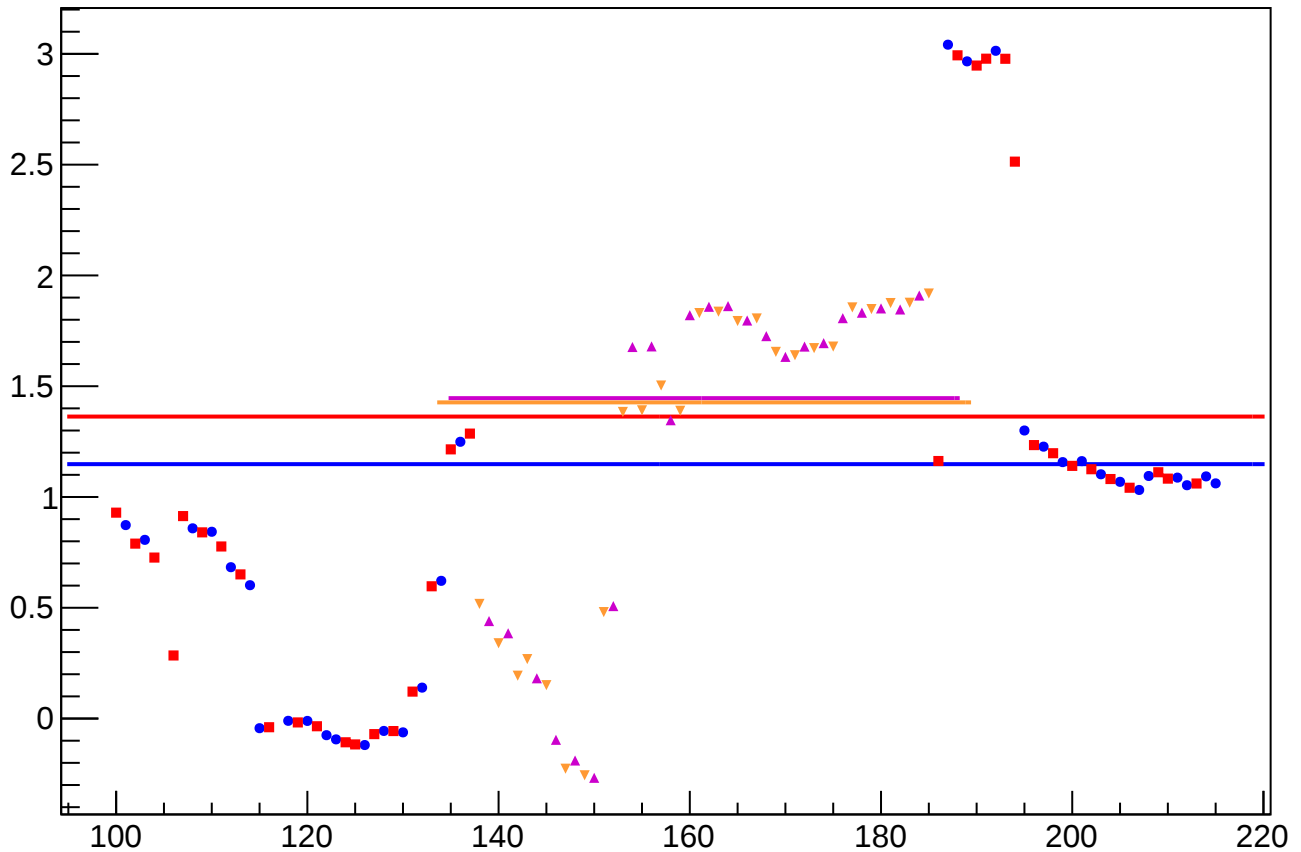
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 10708046.2/56

All: 0.003+/-0.000 χ^2/NDF : 21646156.6/113

- sign 0.003+/-0.000 χ^2/NDF : 10922380.1/56

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: 1.363 $\pm$ 0.000 χ^2 /NDF: 101181373221.0/33

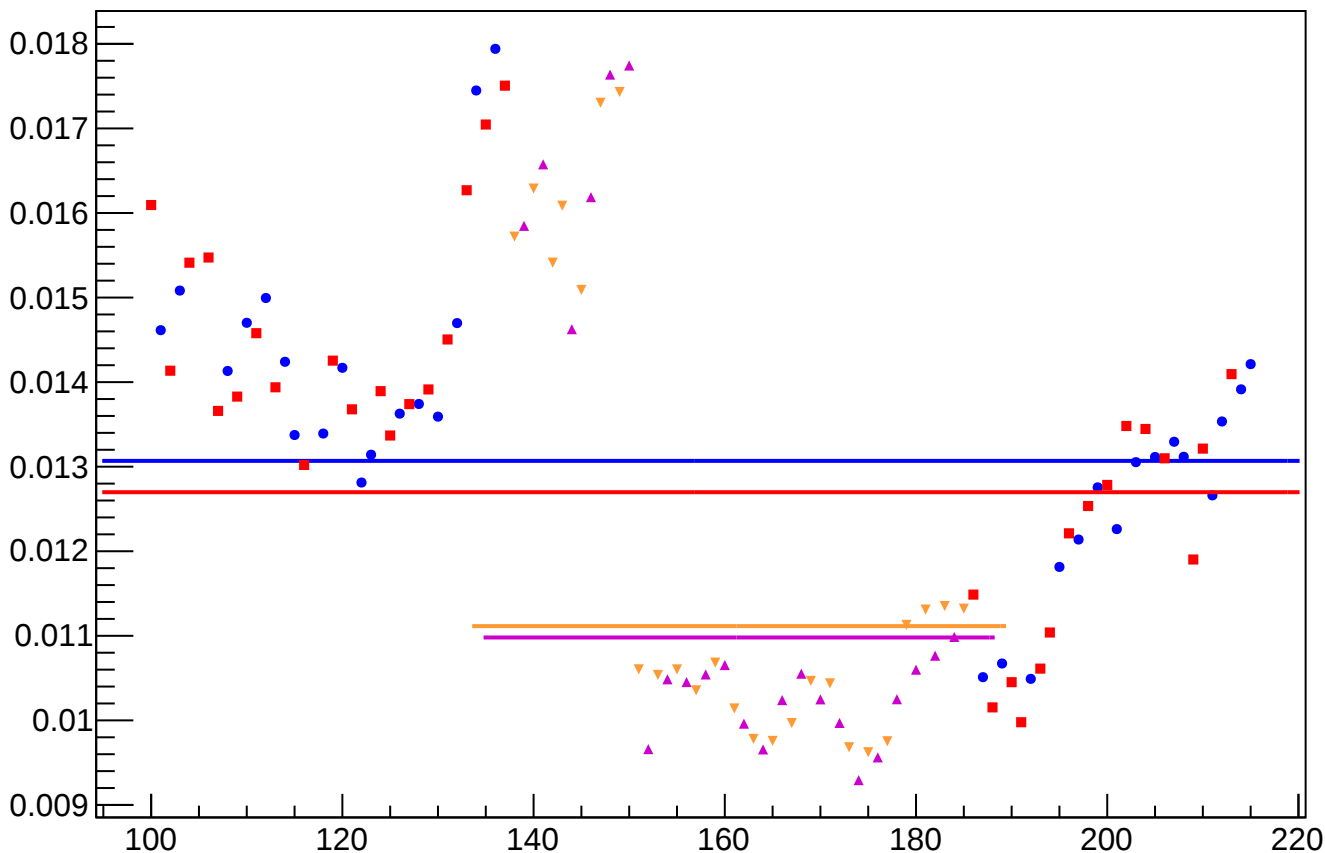
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.312 $\pm$ 0.000 χ^2 /NDF: 127440628653.8/56

All: 1.361 $\pm$ 0.000 χ^2 /NDF: 283944812813.8

- sign 1.410 $\pm$ 0.000 χ^2 /NDF: 155342009126.3/56

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 : 583366.2/33

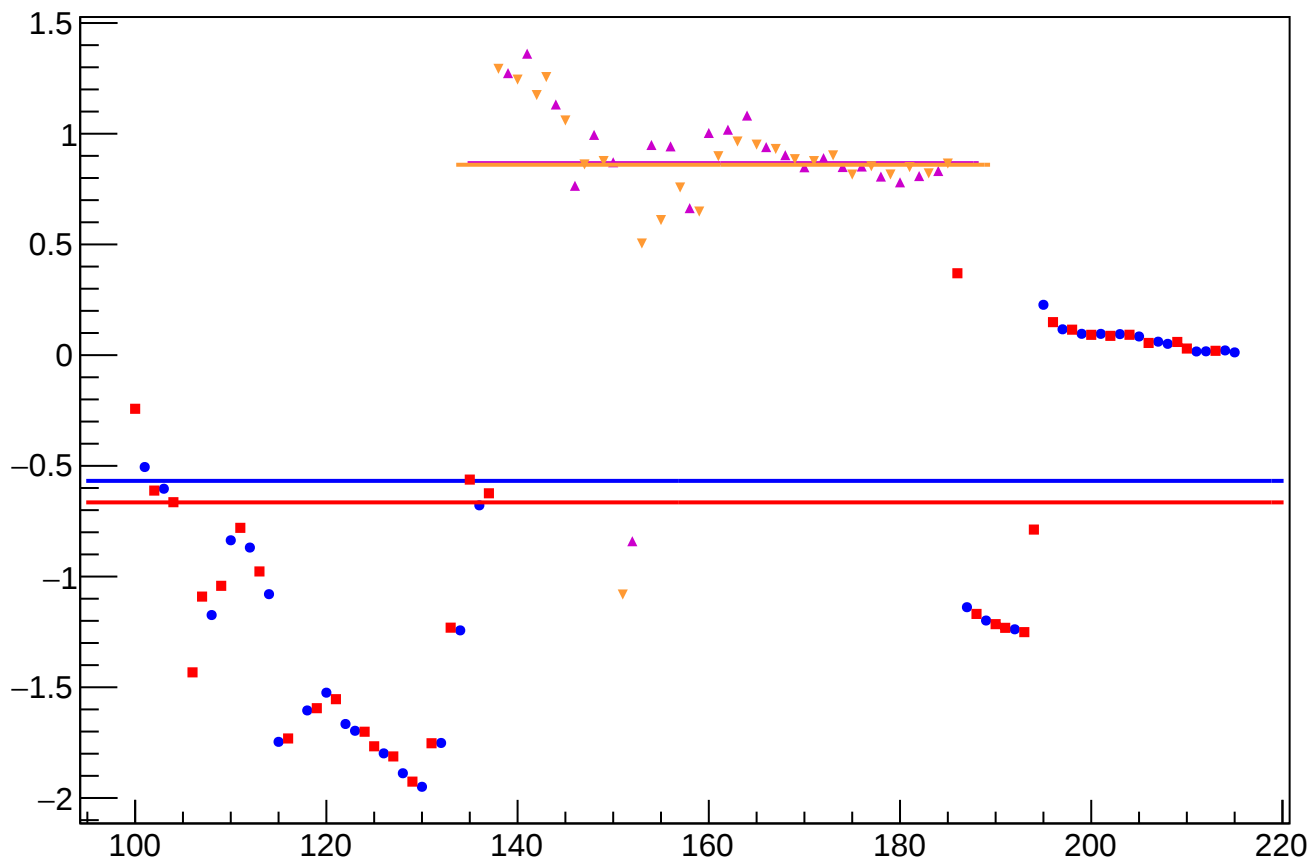
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 2129320.5/56

All: 0.012+/-0.000 χ^2/NDF : 4335949.6/113

- sign 0.012+/-0.000 χ^2/NDF : 2196998.4/56

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: -0.665+/-0.000 χ^2/NDF : 180119658750.2/33

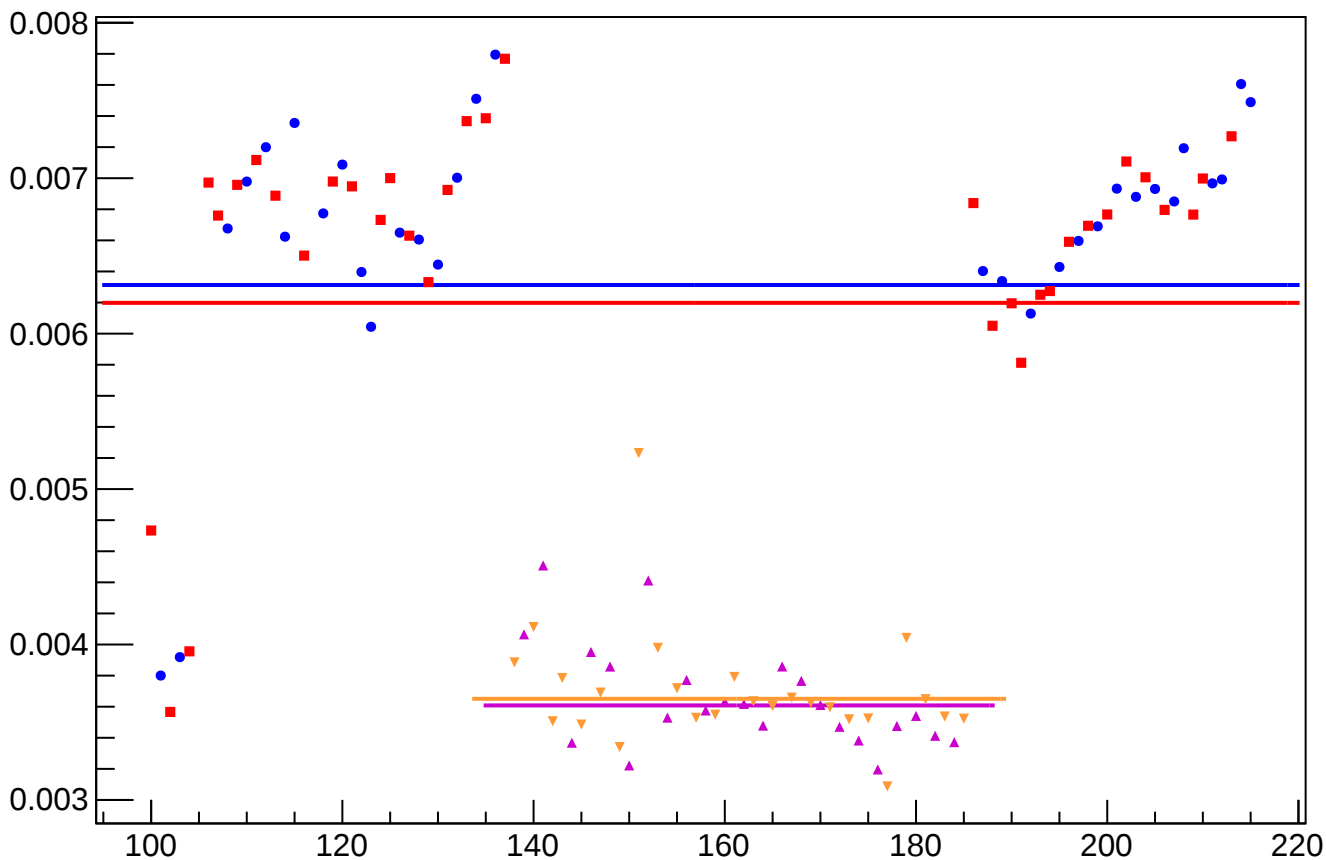
Left In: 0.867+/-0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.512+/-0.000 χ^2/NDF : 947383635590.0/56

All: 0.495+/-0.000 χ^2/NDF : 1998175006926.

- sign 0.476+/-0.000 χ^2/NDF : 1049731860691.4/56

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1139958.3/31

Left Out: 0.004+/-0.000 χ^2/NDF : 237262.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1153690.3/33

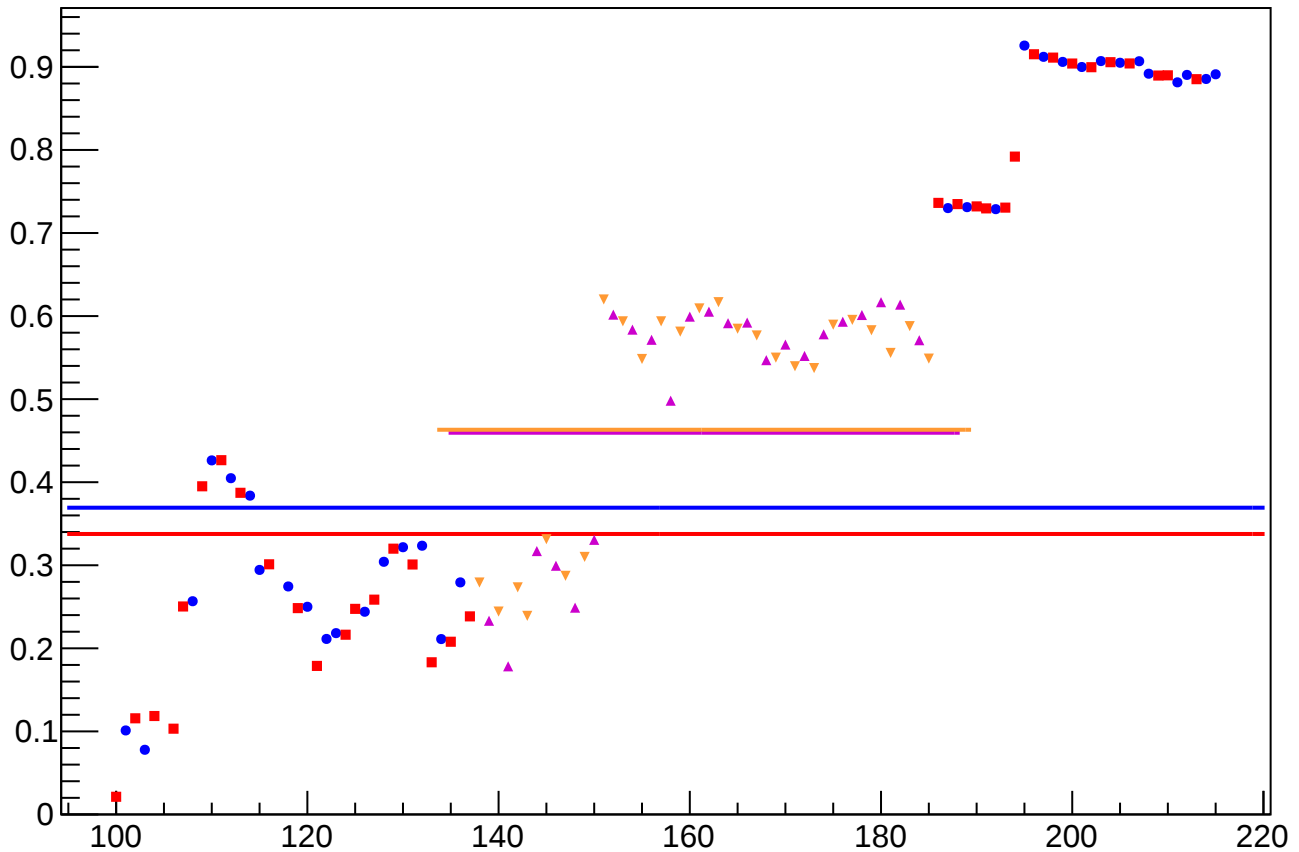
Left In: 0.004+/-0.000 χ^2/NDF : 227861.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 5700658.6/56

All: 0.004+/-0.000 χ^2/NDF : 11212780.4/113

- sign 0.004+/-0.000 χ^2/NDF : 5510637.9/56

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: 0.338 $\pm$ 0.000 χ^2 /NDF: 193531029057.9/33

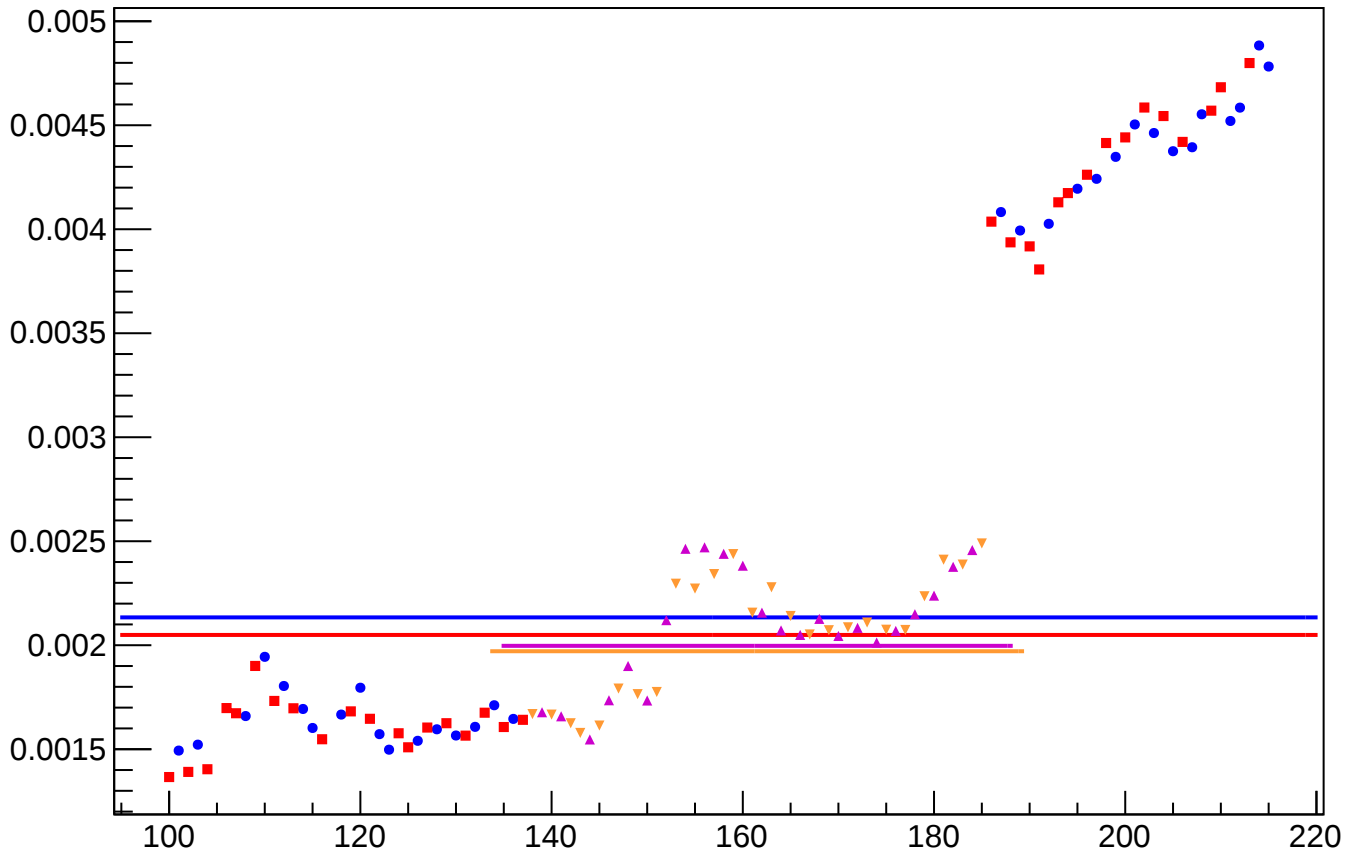
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF: 104559088628.4/22

+ sign 0.426 $\pm$ 0.000 χ^2 /NDF: 312977315419.3/56

All: 0.416 $\pm$ 0.000 χ^2 /NDF: 639810253488.3

- sign 0.406 $\pm$ 0.000 χ^2 /NDF: 325353518574.8/56

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 6975124.5/31

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 6837828.4/33

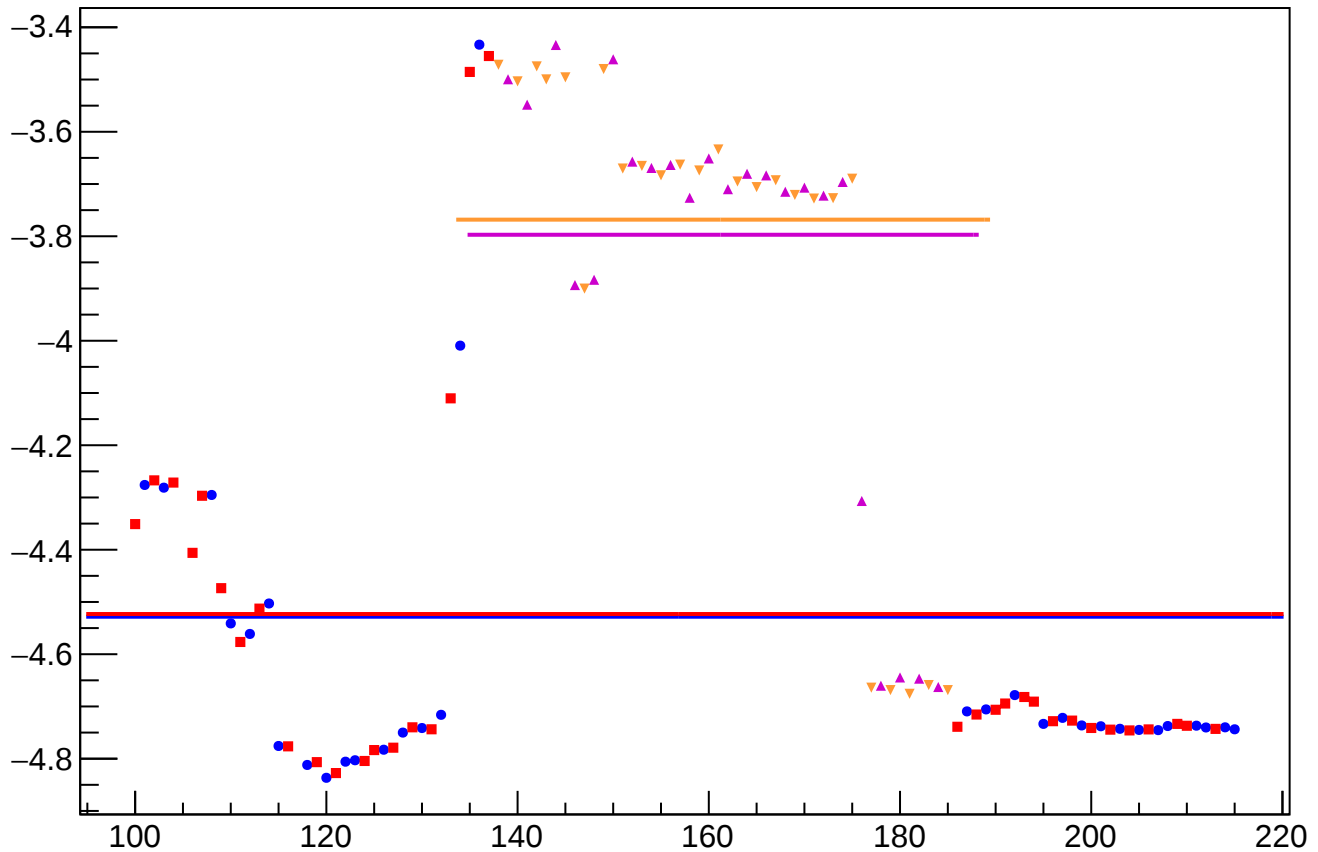
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 7801190.4/56

All: 0.002+/-0.000 χ^2/NDF : 15317220.2/113

- sign 0.002+/-0.000 χ^2/NDF : 7514287.9/56

yield_bpm2i01Y_mean vs Slug



Right In: -4.528 $\pm$ 0.000 χ^2/NDF : 446666877567.0/31

Left Out: -3.768 $\pm$ 0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.523 $\pm$ 0.000 χ^2/NDF : 378776501064.5/33

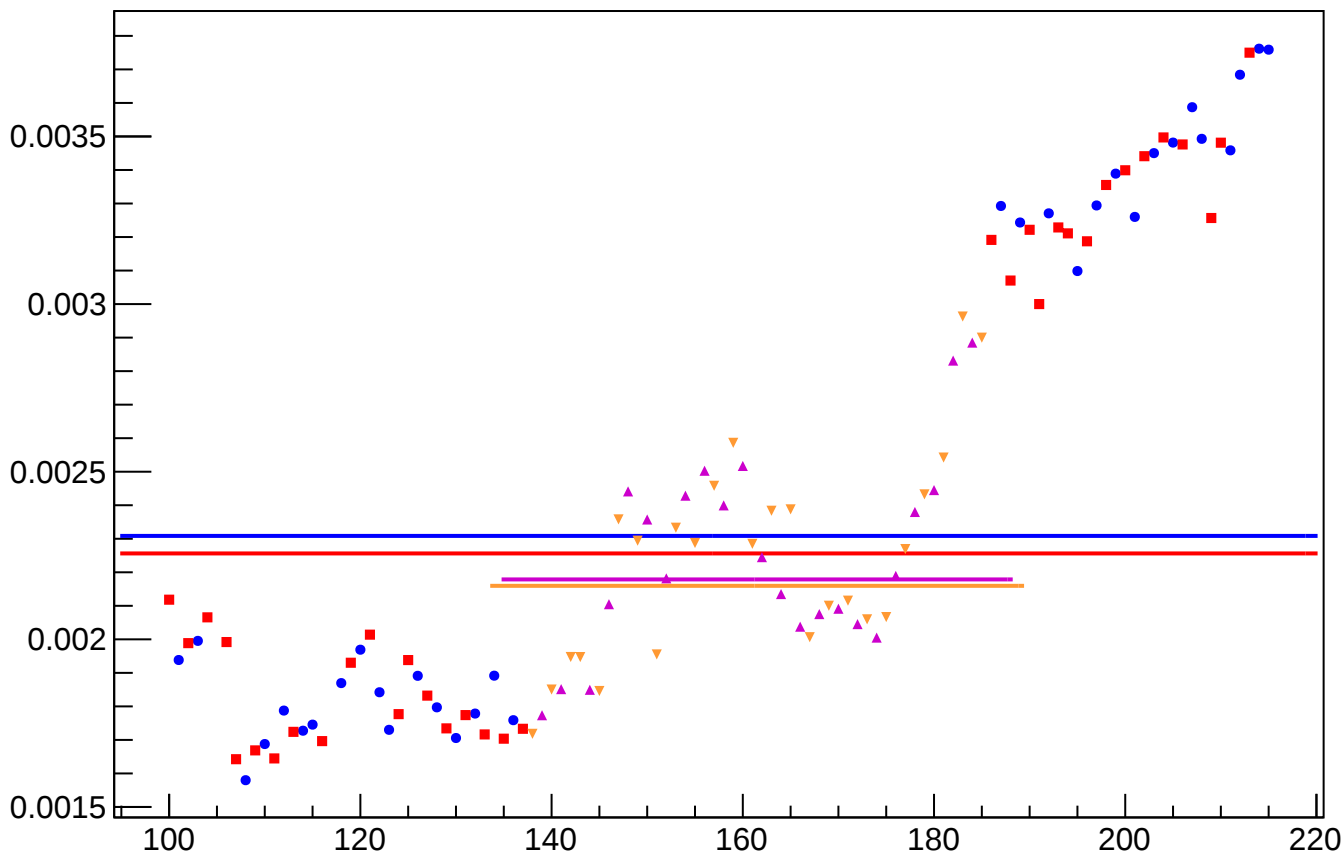
Left In: -3.797 $\pm$ 0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.096 $\pm$ 0.000 χ^2/NDF : 1914302573854.6/5

All: -4.114 $\pm$ 0.000 χ^2/NDF : 3605136229934

- sign -4.132 $\pm$ 0.000 χ^2/NDF : 1686608644208.1/50

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3364855.7/31

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3098988.7/33

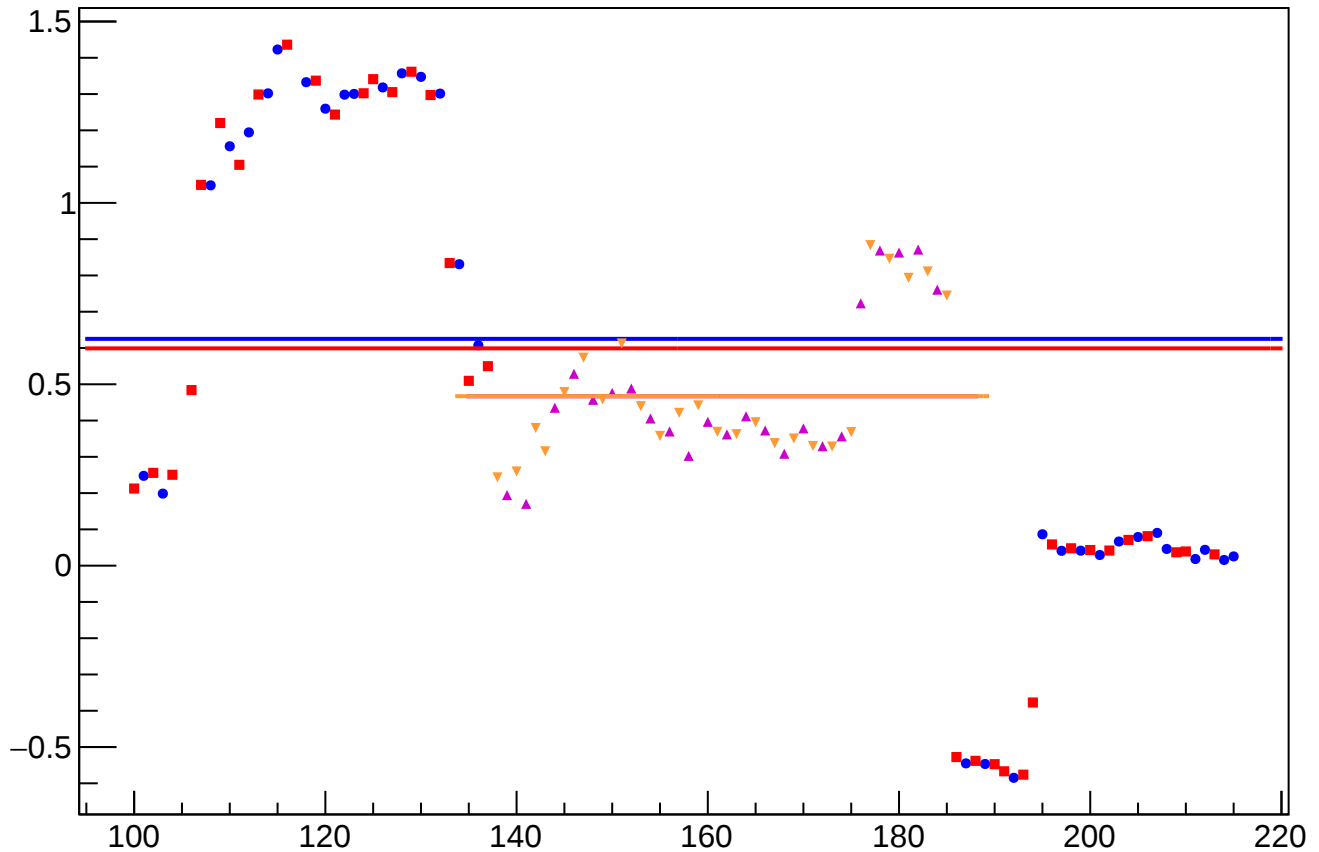
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 3985679.3/56

All: 0.002+/-0.000 χ^2/NDF : 7568227.0/113

- sign 0.002+/-0.000 χ^2/NDF : 3581954.2/56

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: 0.599 $\pm$ 0.000 χ^2 /NDF: 100774787487.7/33

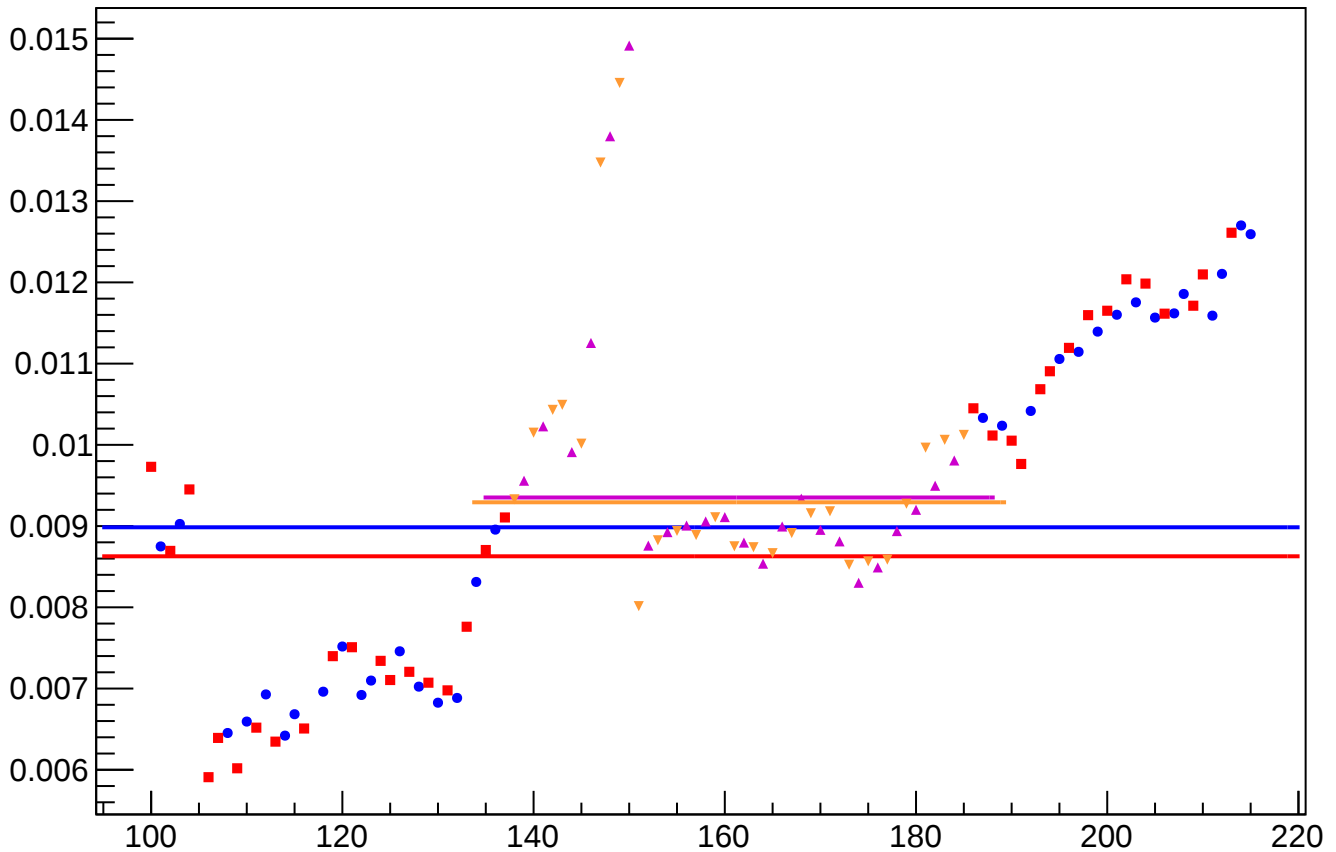
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

+ sign 0.545 $\pm$ 0.000 χ^2 /NDF: 94878139652.4/56

All: 0.541 $\pm$ 0.000 χ^2 /NDF: 205495446161.0

- sign 0.537 $\pm$ 0.000 χ^2 /NDF: 110602717118.4/56

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 : 2068895.0/33

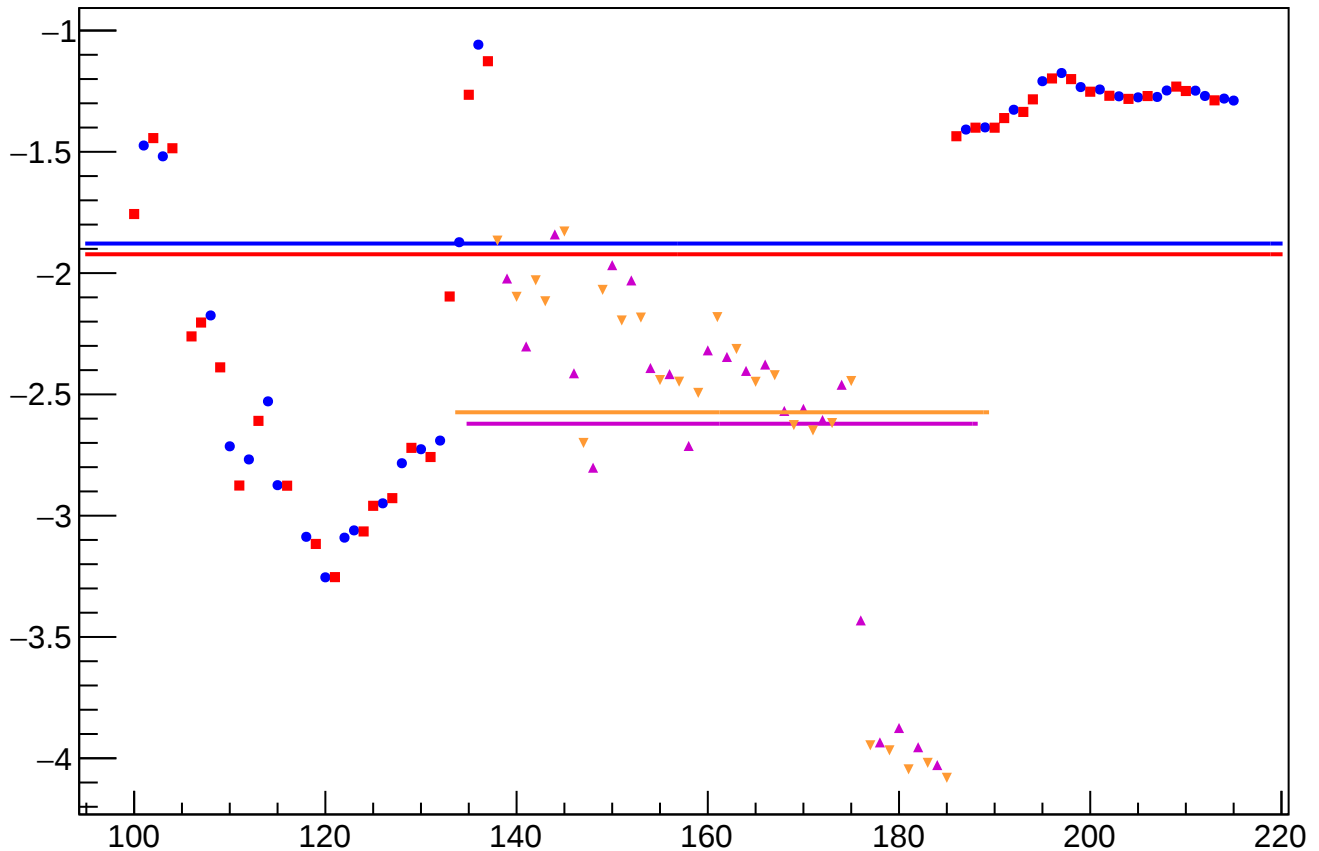
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 2437276.5/56

All: 0.009+/-0.000 χ^2/NDF : 5183271.7/113

- sign 0.009+/-0.000 χ^2/NDF : 2733895.7/56

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: -1.922 ± 0.000 χ^2/NDF : 130742222161.9/33

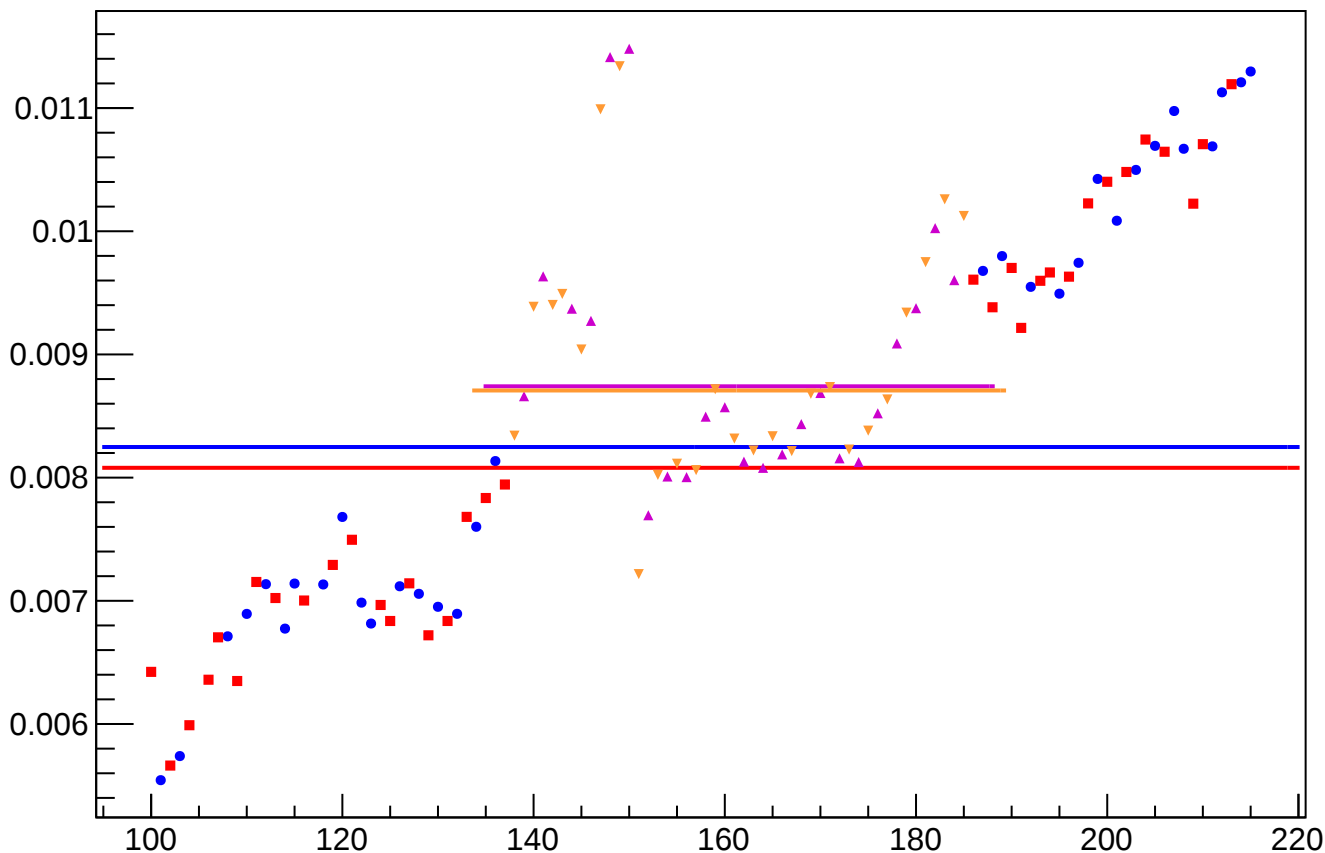
Left In: -2.621 ± 0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.224 ± 0.000 χ^2/NDF : 294013925258.1/56

All: -2.237 ± 0.000 χ^2/NDF : 563793193227.7

- sign -2.251 ± 0.000 χ^2/NDF : 269607523672.4/56

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 : 1516109.3/33

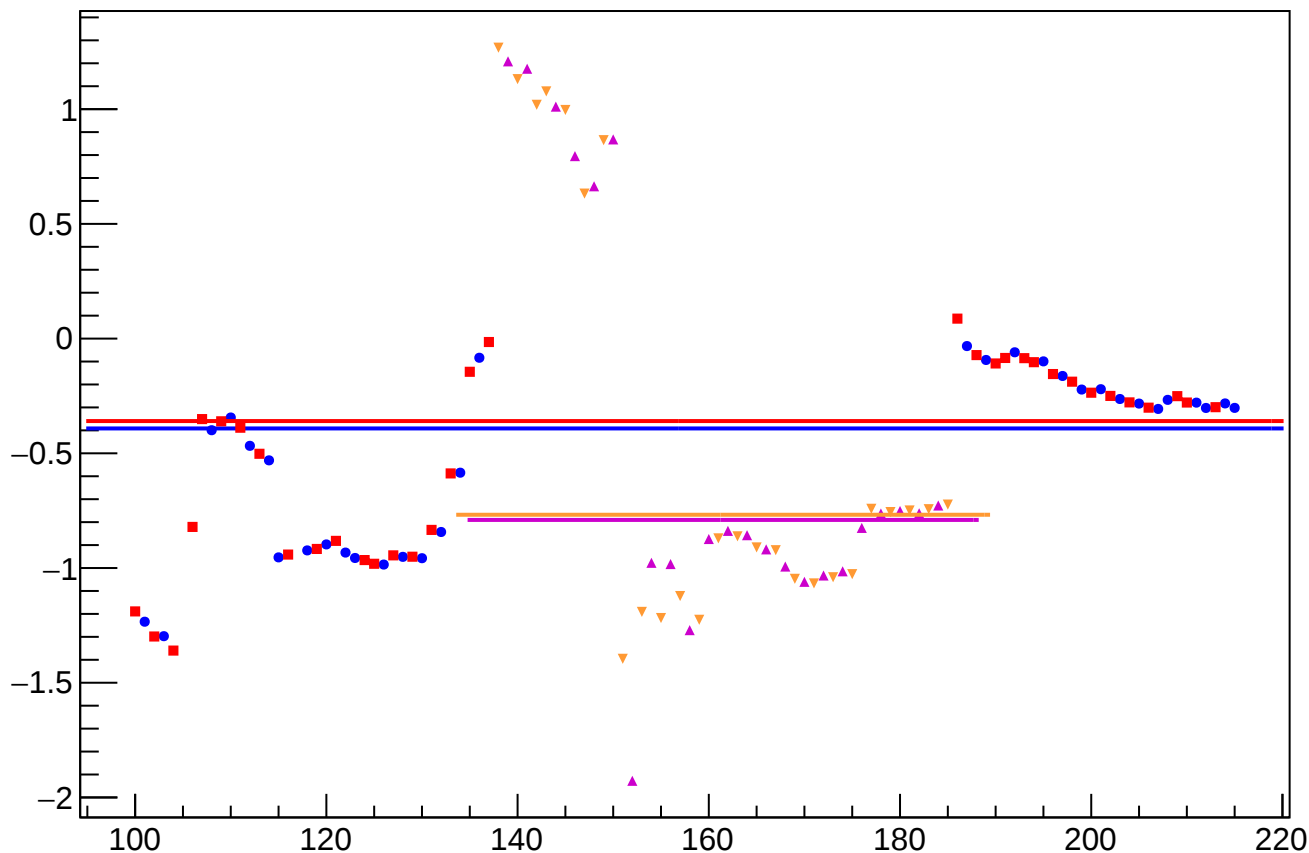
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 2152467.4/56

All: 0.008+/-0.000 χ^2/NDF : 4129909.1/113

- sign 0.008+/-0.000 χ^2/NDF : 1973890.0/56

yield_bpm0i01X_mean vs Slug



Right In: -0.392 ± 0.000 $\chi^2/\text{NDF}: 23058993113.1/31$

Left Out: -0.768 ± 0.000 $\chi^2/\text{NDF}: 120774855982.9/24$

Right Out: -0.359 ± 0.000 $\chi^2/\text{NDF}: 25317389516.4/33$

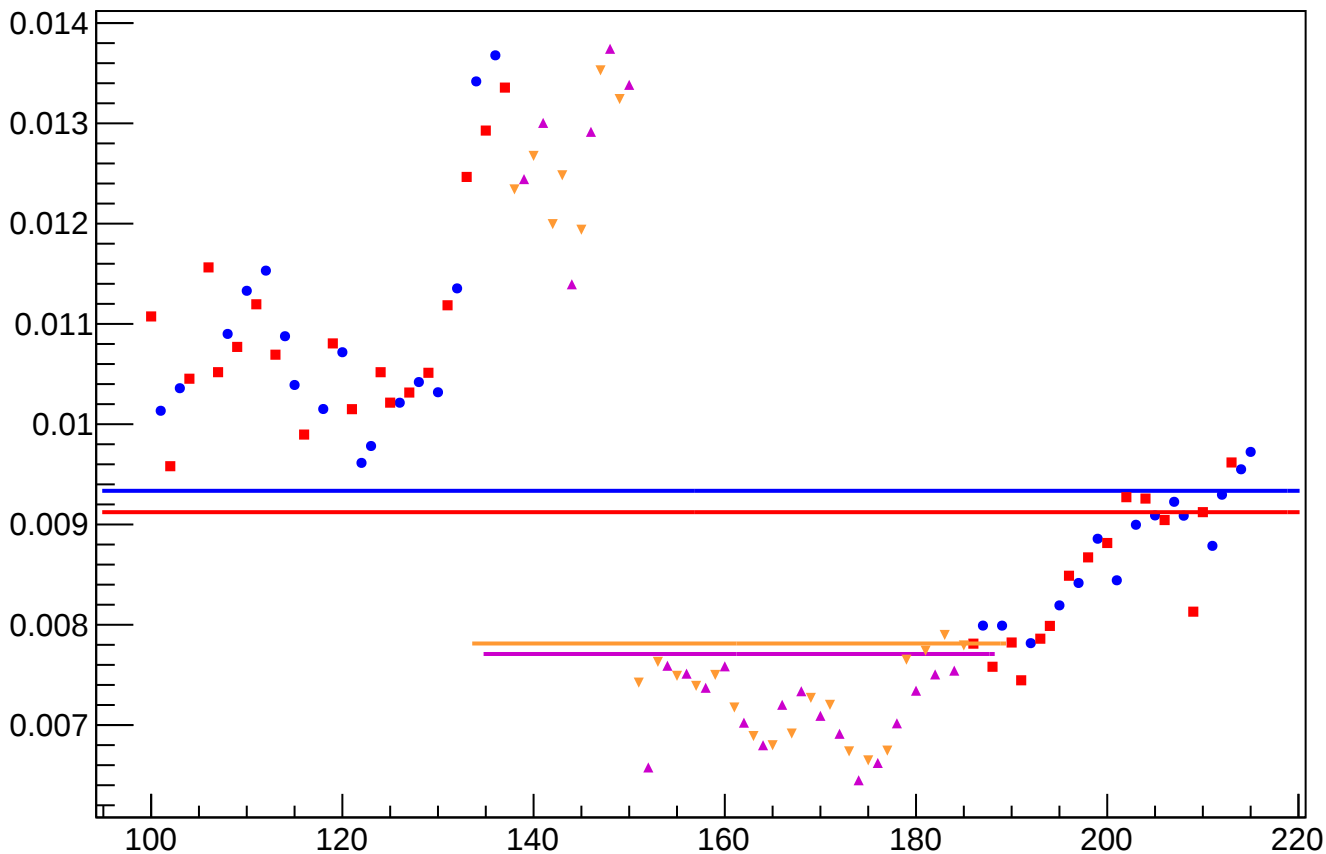
Left In: -0.790 ± 0.000 $\chi^2/\text{NDF}: 123452478408.2/22$

+ sign -0.615 ± 0.000 $\chi^2/\text{NDF}: 160061527504.2/56$

All: -0.611 ± 0.000 $\chi^2/\text{NDF}: 330228029606.5$

- sign -0.608 ± 0.000 $\chi^2/\text{NDF}: 170155829200.9/56$

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 550680.6/31

Left Out: 0.008+/-0.000 χ^2/NDF : 1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 654300.6/33

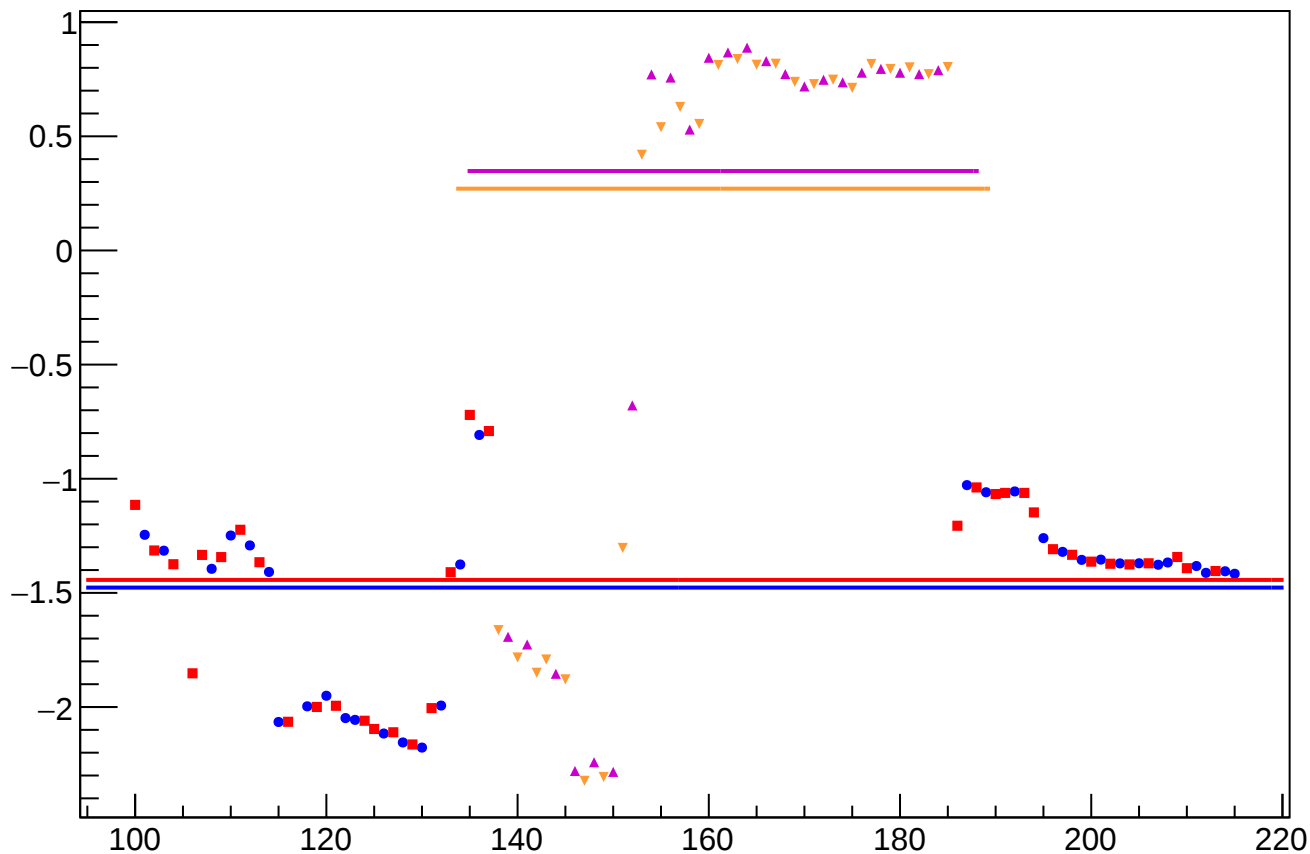
Left In: 0.008+/-0.000 χ^2/NDF : 1746653.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2788328.1/56

All: 0.008+/-0.000 χ^2/NDF : 5657428.9/113

- sign 0.008+/-0.000 χ^2/NDF : 2861609.8/56

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 : 164550282262.6/33

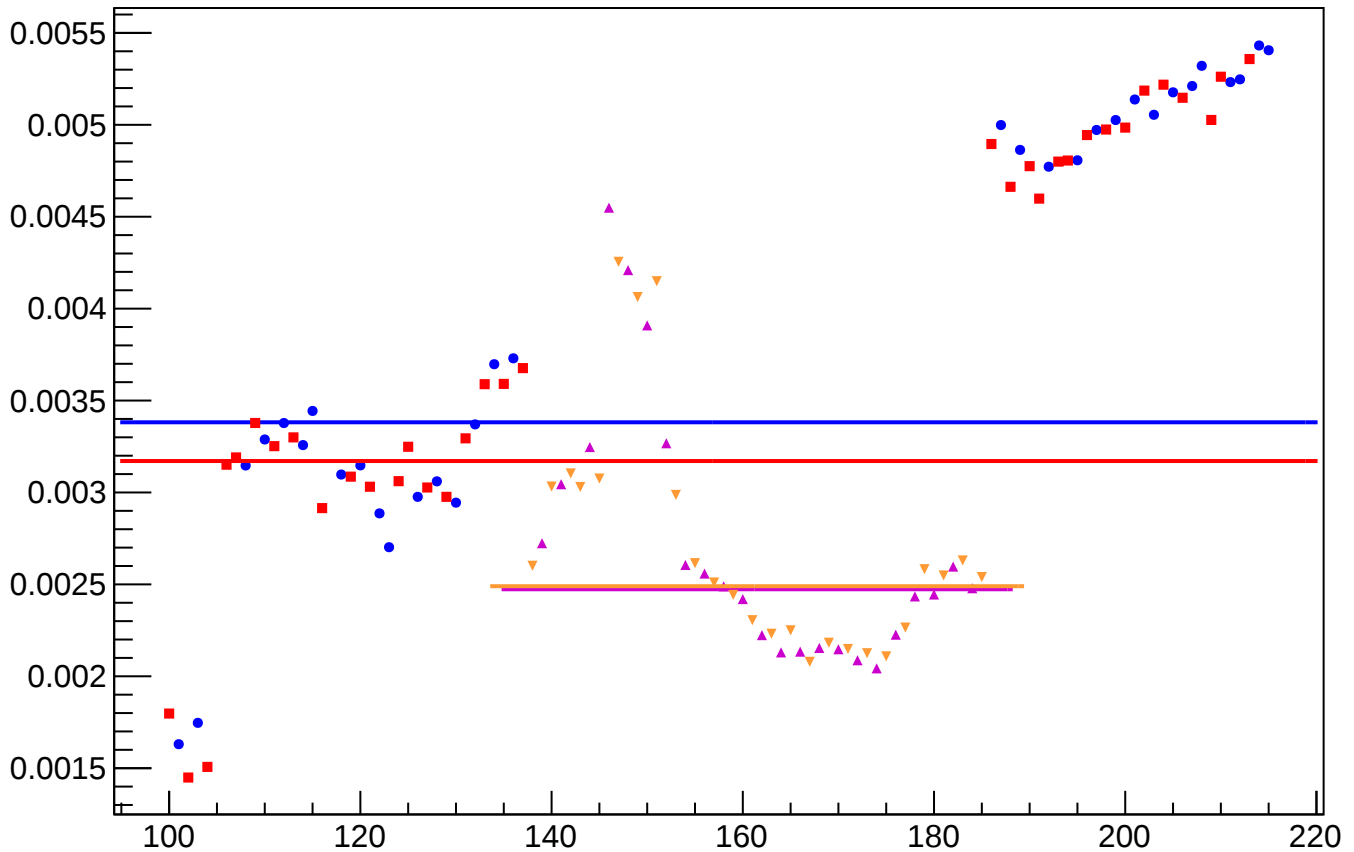
Left In: 0.348 ± 0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.293 ± 0.000 χ^2/NDF : 5343352186990.2/5

All: -0.291 ± 0.000 χ^2/NDF : 1060822441178

- sign -0.288 ± 0.000 χ^2/NDF : 5264809041971.2/5

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: 5220375.6/33

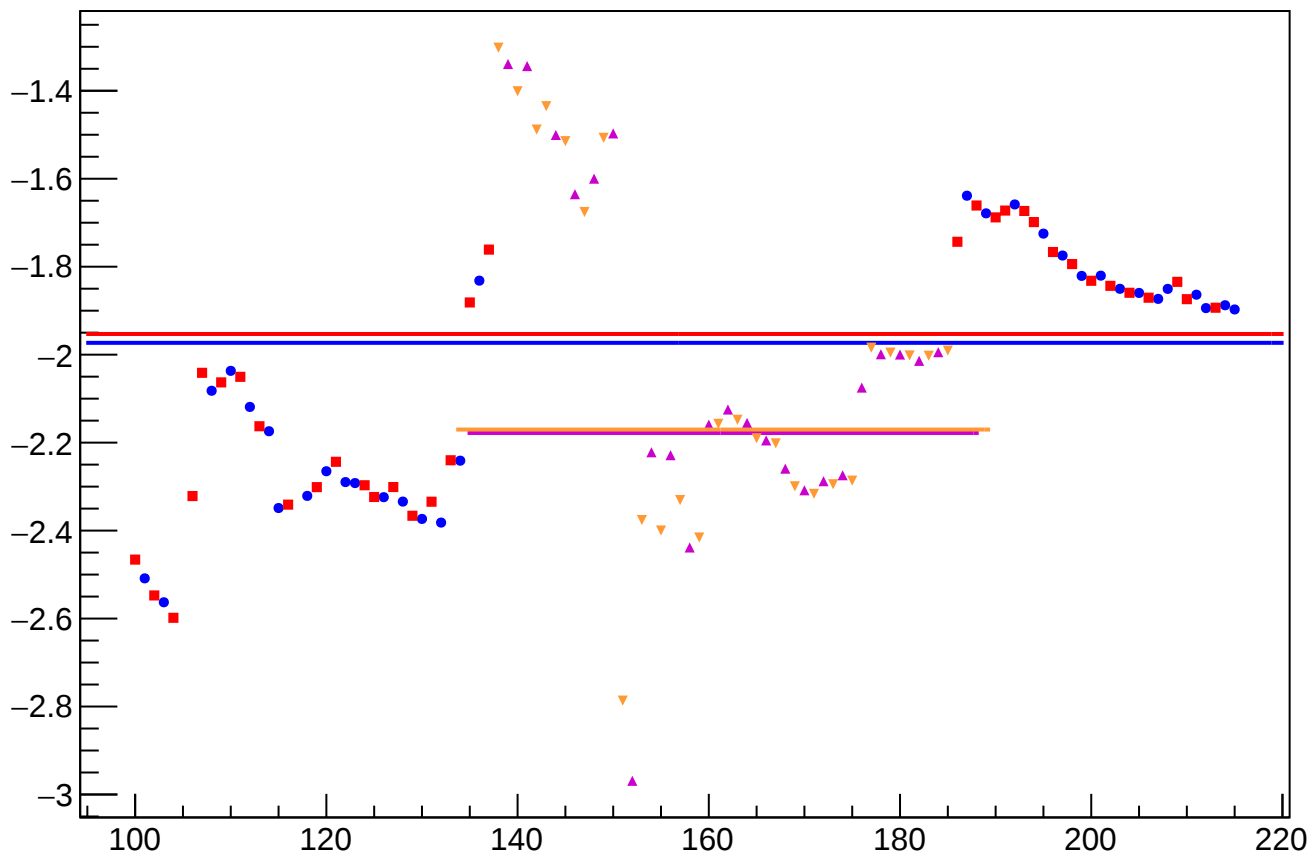
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6923789.7/56

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 14149472.7/113

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 7213188.0/56

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: -1.953+/-0.000 χ^2/NDF : 35330349310.6/33

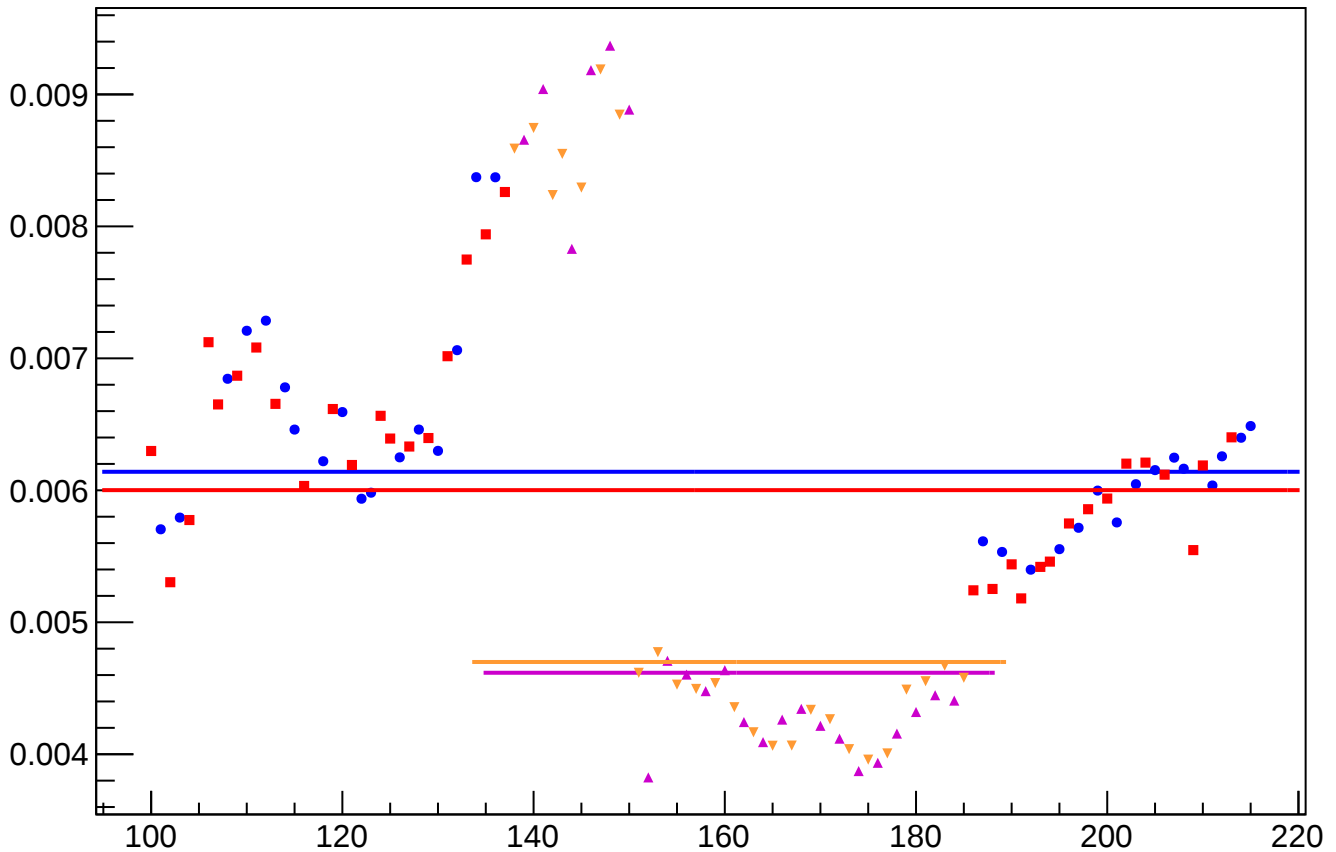
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.097+/-0.000 χ^2/NDF : 102417998174.1/56

All: -2.094+/-0.000 χ^2/NDF : 225533757581.4

- sign -2.091+/-0.000 χ^2/NDF : 123094030559.3/56

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 : 370023.1/33

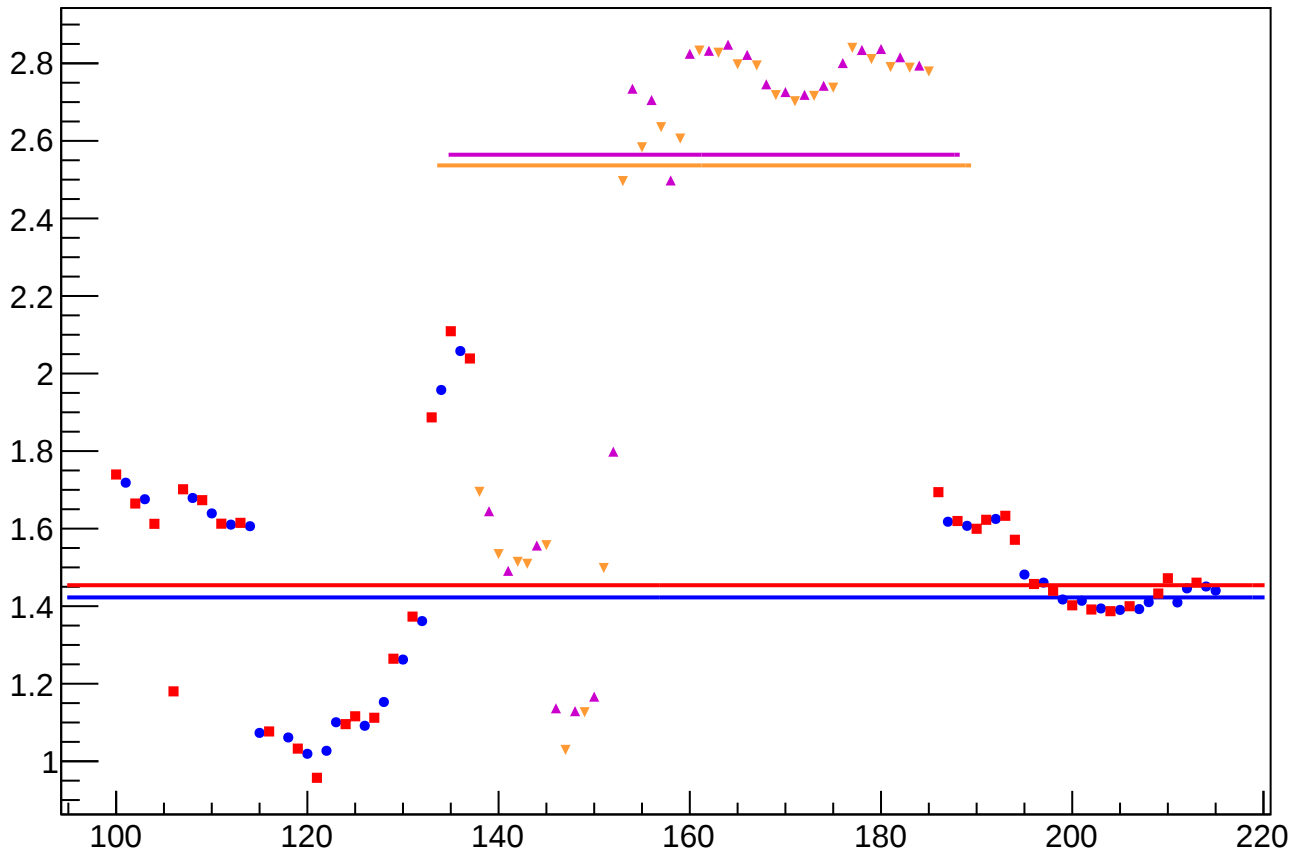
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3796476.9/56

All: 0.005+/-0.000 χ^2/NDF : 7627645.2/113

- sign 0.005+/-0.000 χ^2/NDF : 3823136.8/56

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 : 177000558058.9/33

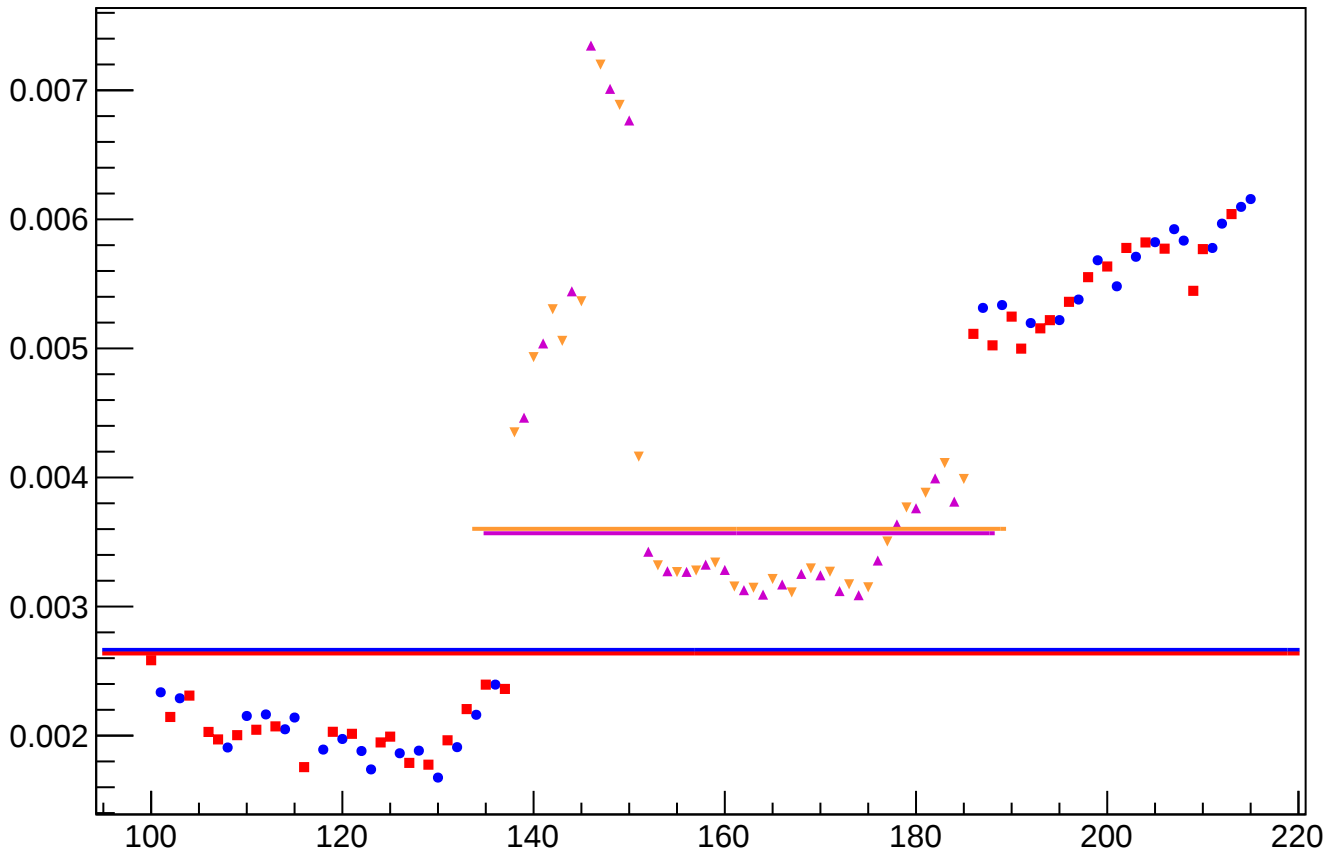
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.880+/-0.000 χ^2/NDF : 1386253063031.2/56

All: 1.884+/-0.000 χ^2/NDF : 2744302326026.

- sign 1.888+/-0.000 χ^2/NDF : 1357950911131.9/56

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: 6729197.3/33

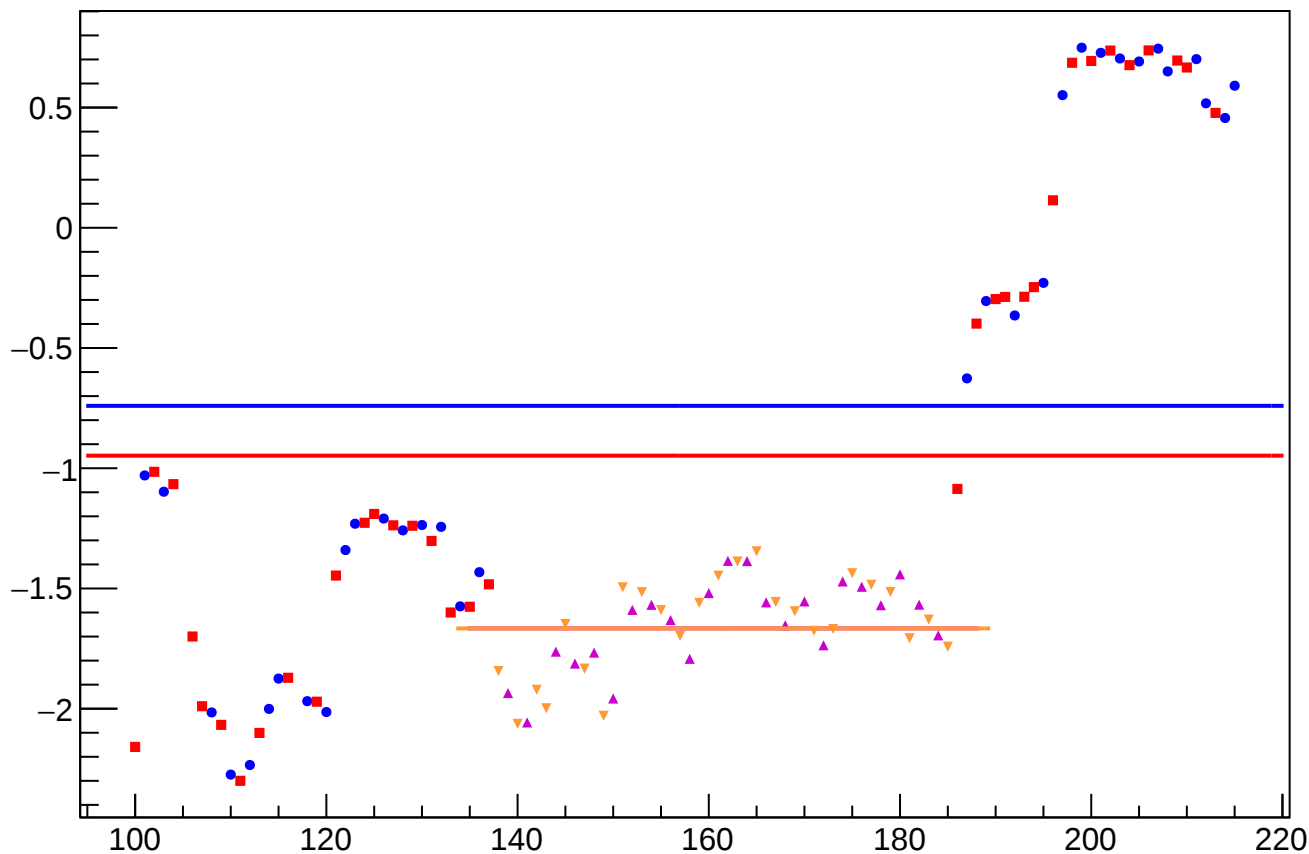
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1563028.0/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10137821.1/56

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 19733654.4/113

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 9588344.7/56

yield_bpm0l01X_mean vs Slug



Right In: -0.740+/-0.000 χ^2/NDF : 238422610562.4/31

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -0.948+/-0.000 χ^2/NDF : 250548390922.0/33

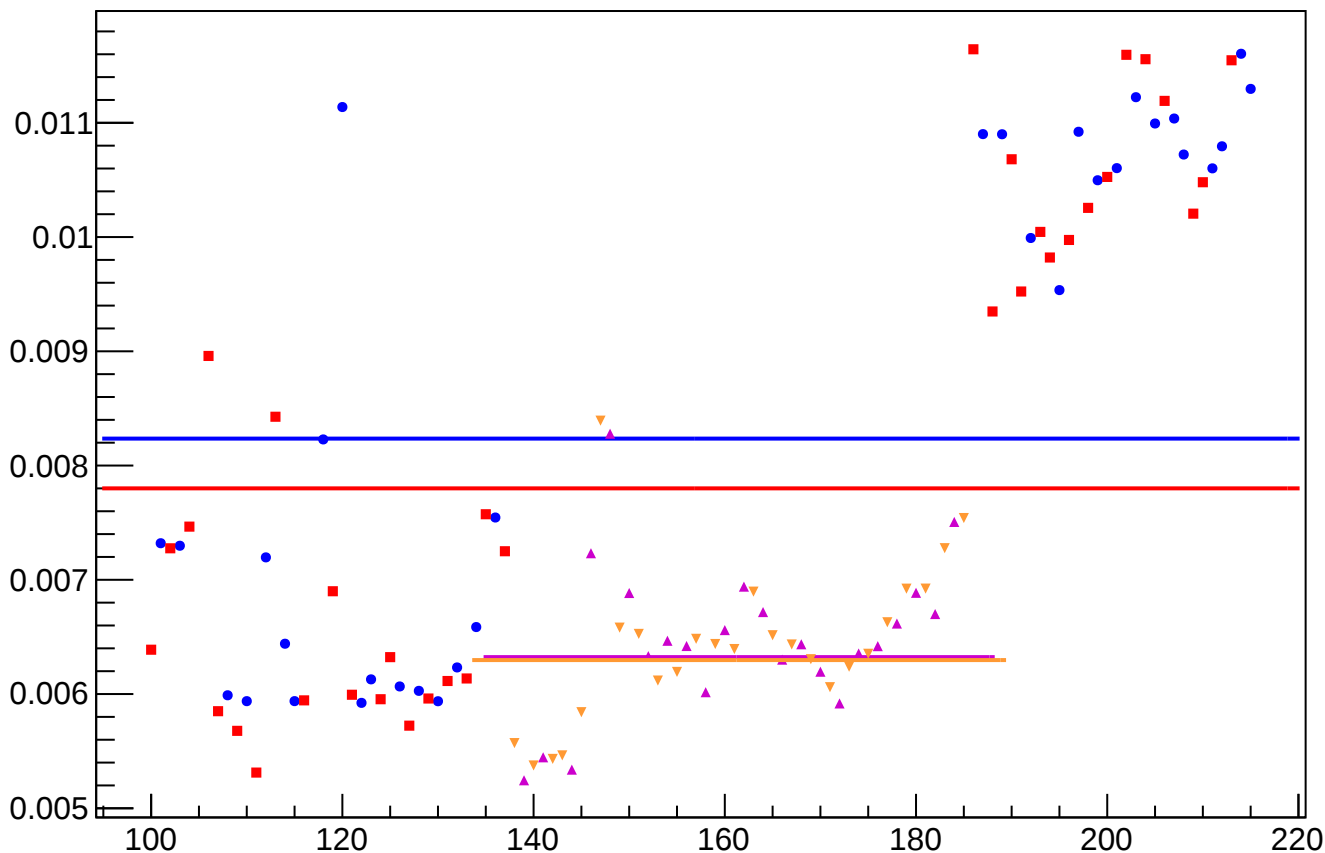
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.349+/-0.000 χ^2/NDF : 385909053648.6/56

All: -1.370+/-0.000 χ^2/NDF : 732309070072.8

- sign -1.391+/-0.000 χ^2/NDF : 345821454525.2/56

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 : 2254205.1/33

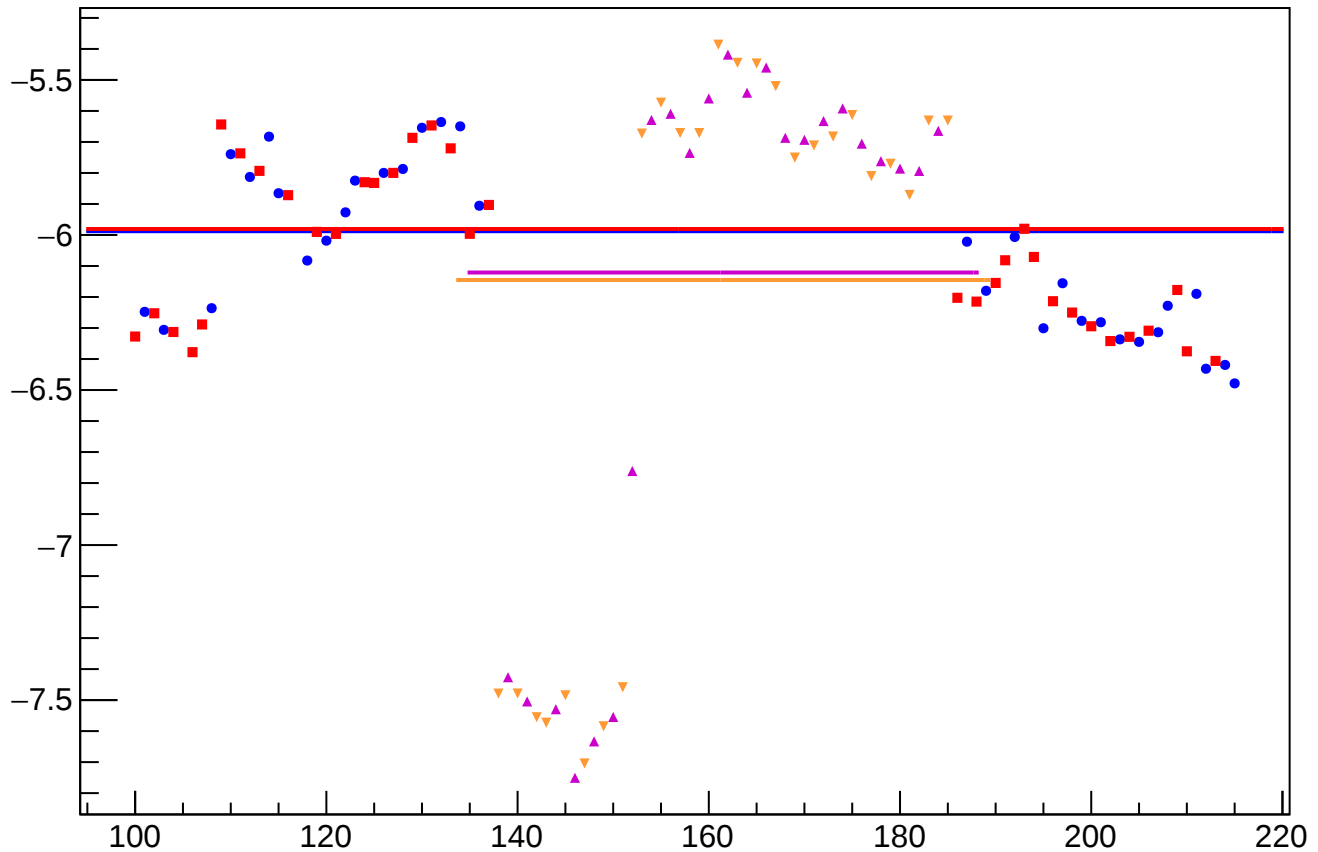
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 3537509.0/56

All: 0.007+/-0.000 χ^2/NDF : 6810528.5/113

- sign 0.007+/-0.000 χ^2/NDF : 3269572.0/56

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: -5.981+/-0.000 χ^2/NDF : 17717423760.2/33

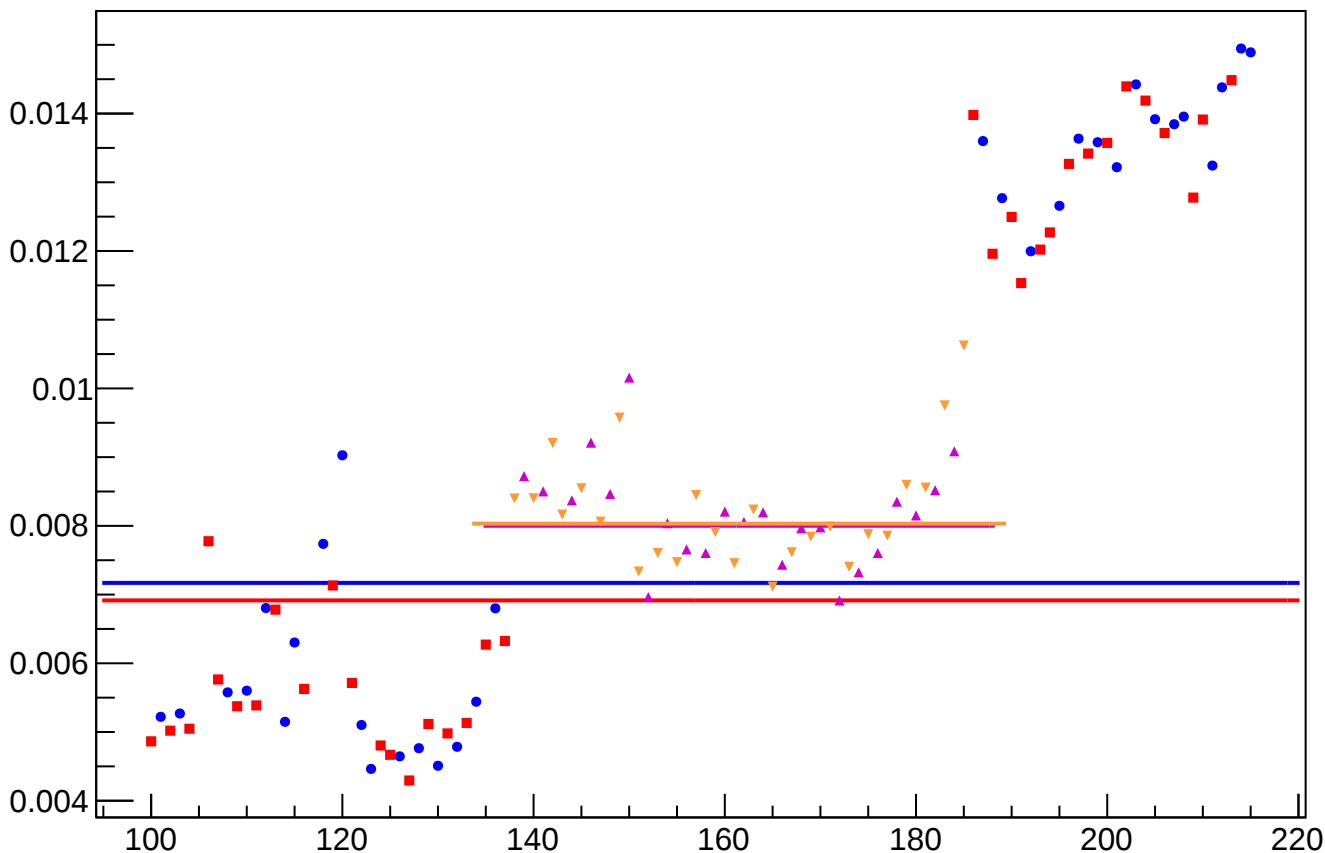
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.066+/-0.000 χ^2/NDF : 206105252627.8/56

All: -6.056+/-0.000 χ^2/NDF : 384822527590.1

- sign -6.046+/-0.000 χ^2/NDF : 178614668043.4/56

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 6281342.3/31

Left Out: 0.008+/-0.000 χ^2/NDF :205762.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 5796891.7/33

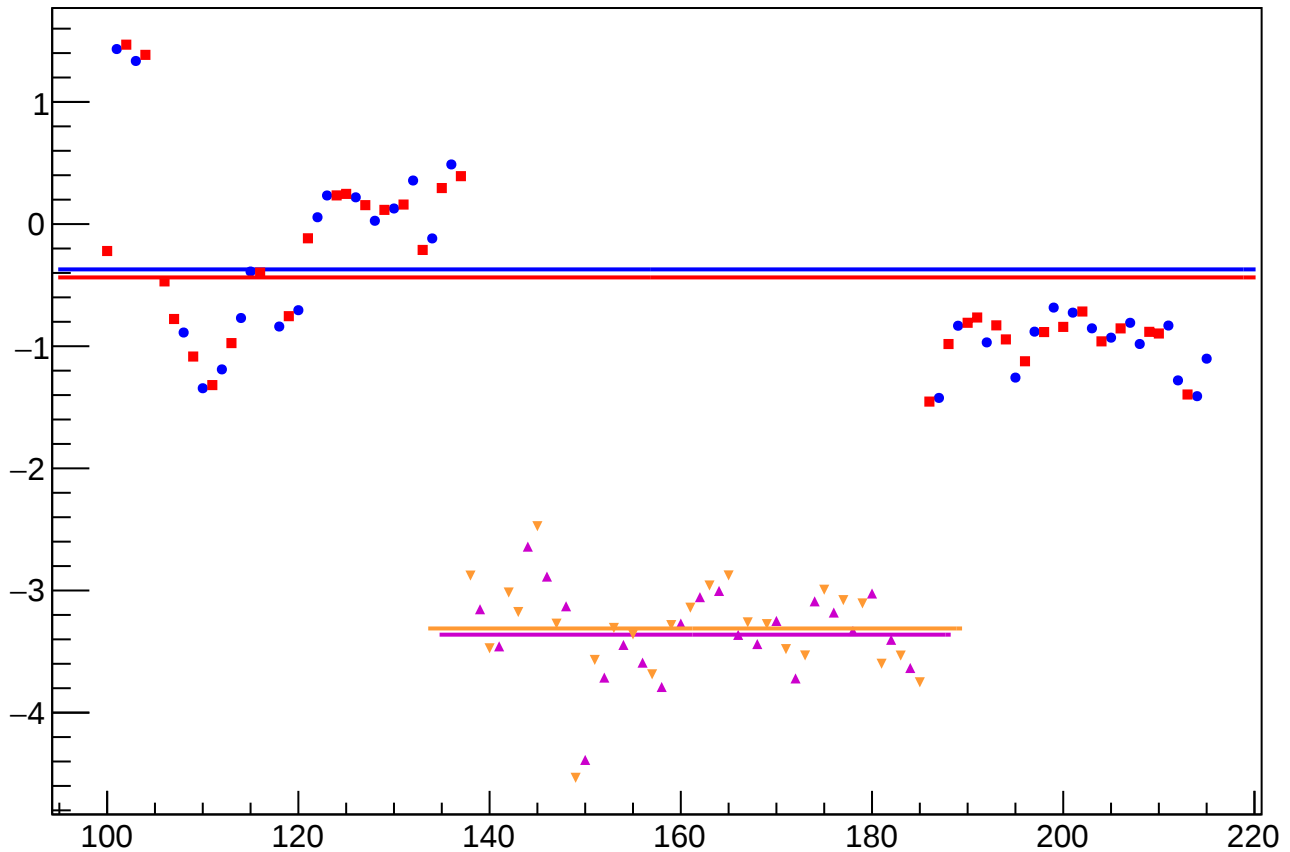
Left In: 0.008+/-0.000 χ^2/NDF :220756.1/22

+ sign 0.008+/-0.000 χ^2/NDF : 6678619.3/56

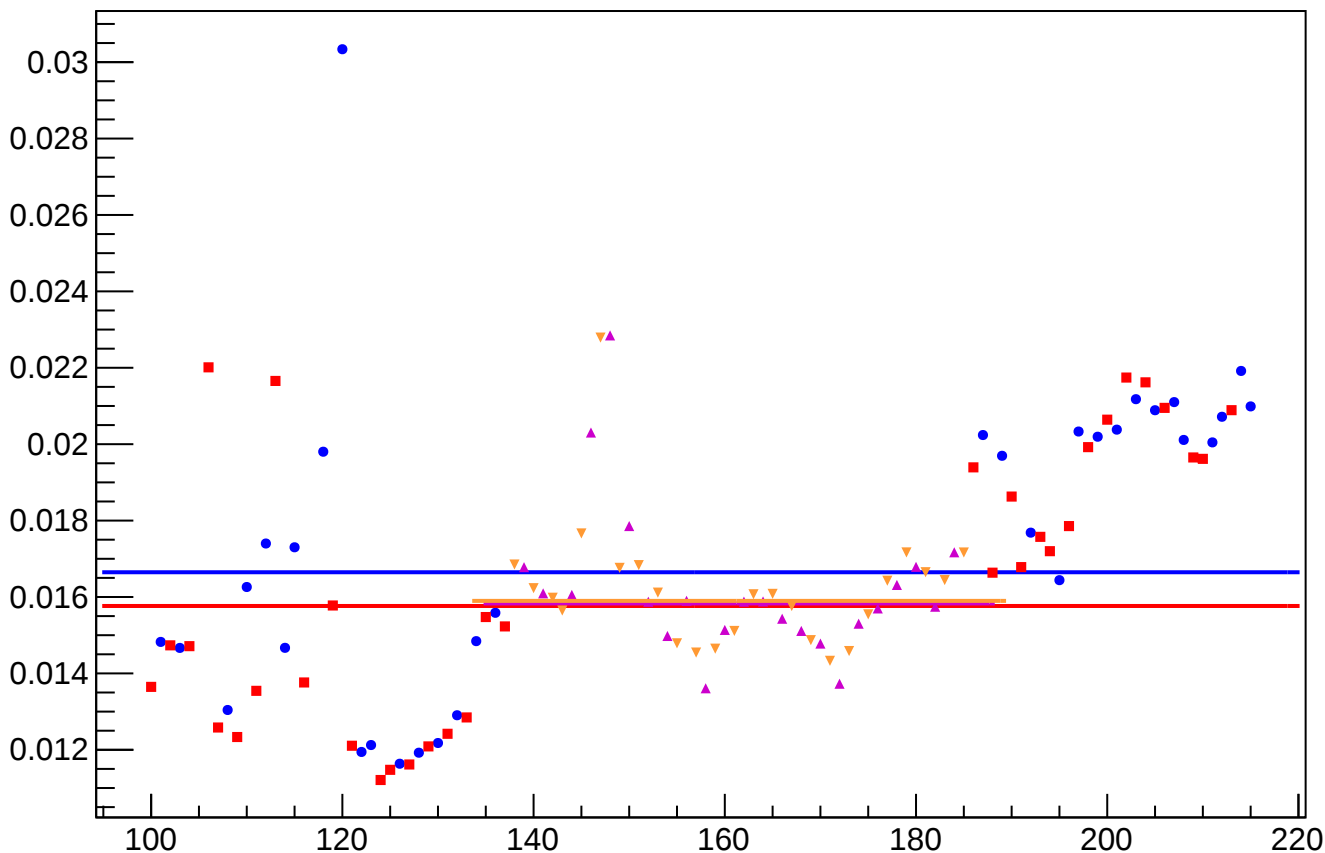
All: 0.008+/-0.000 χ^2/NDF : 13021414.0/113

- sign 0.007+/-0.000 χ^2/NDF : 6326643.0/56

yield_bpm0l02X_mean vs Slug



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 : 1478469.8/33

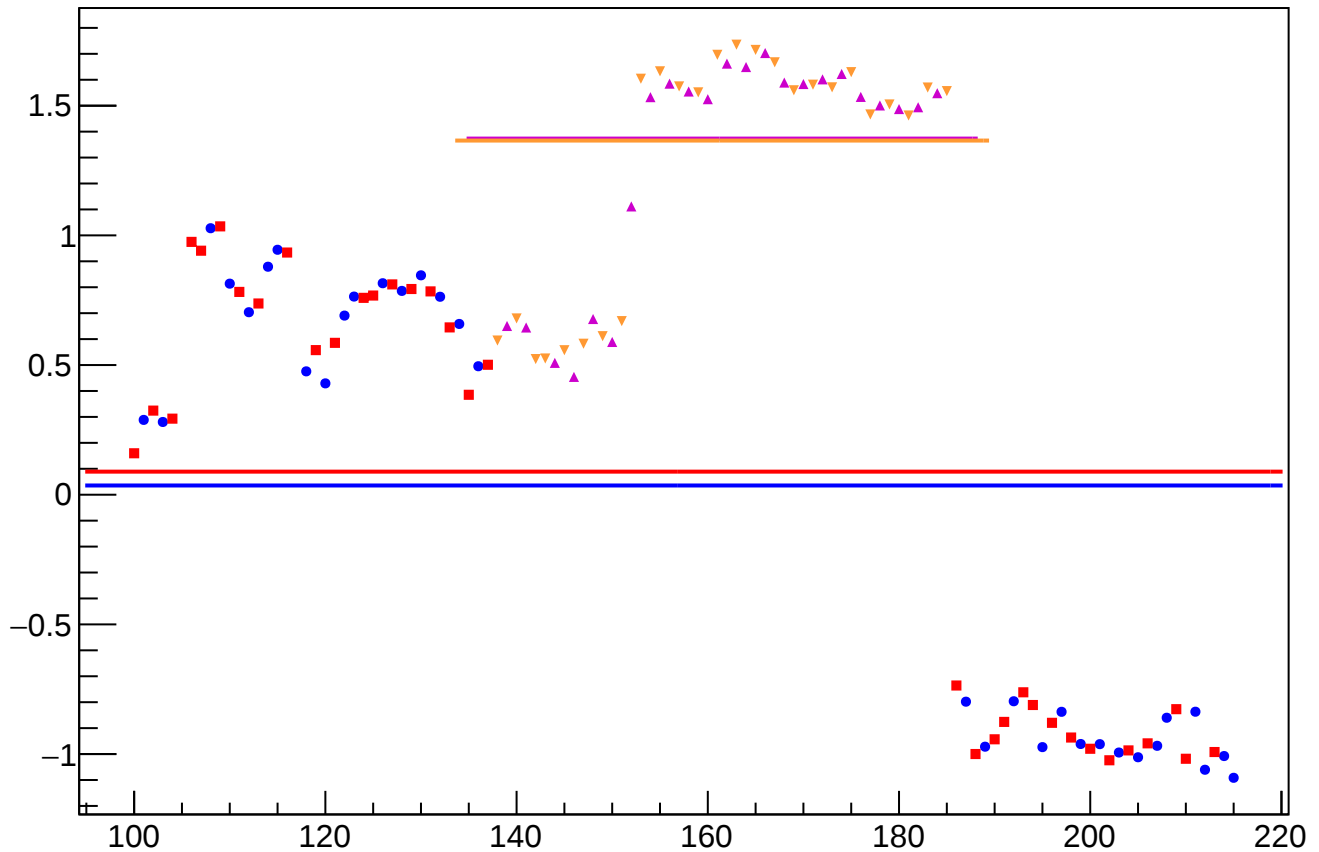
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1826246.8/56

All: 0.016+/-0.000 χ^2/NDF : 3668998.1/113

- sign 0.016+/-0.000 χ^2/NDF : 1818293.0/56

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: 0.089+/-0.000 χ^2/NDF : 96749521168.5/33

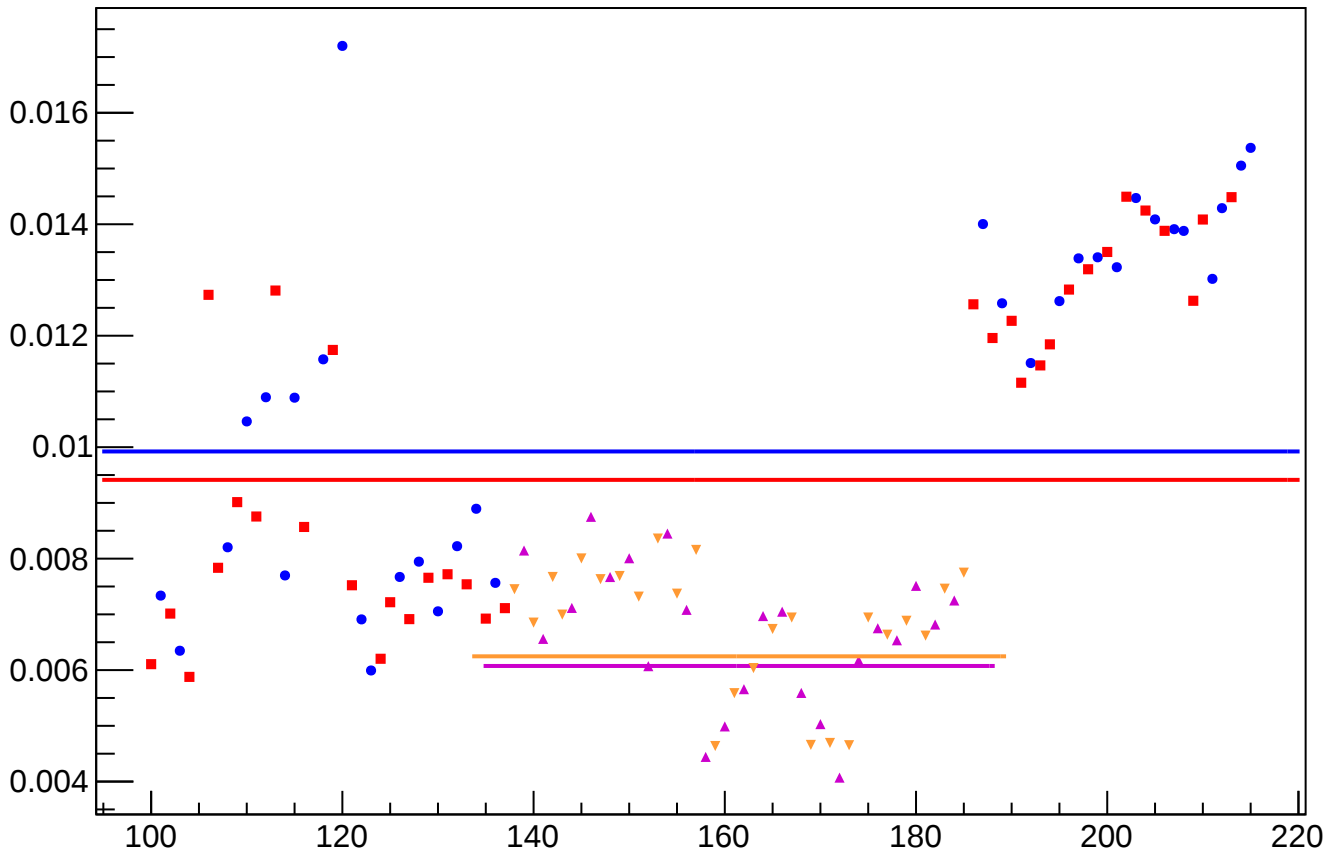
Left In: 1.373+/-0.000 χ^2/NDF : 63413151416.3/22

+ sign 1.016+/-0.000 χ^2/NDF : 364605093076.9/56

All: 1.014+/-0.000 χ^2/NDF : 722795339037.8

- sign 1.012+/-0.000 χ^2/NDF : 358185650492.5/56

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: 0.009 $\pm$ 0.000 χ^2 /NDF: 2741334.6/33

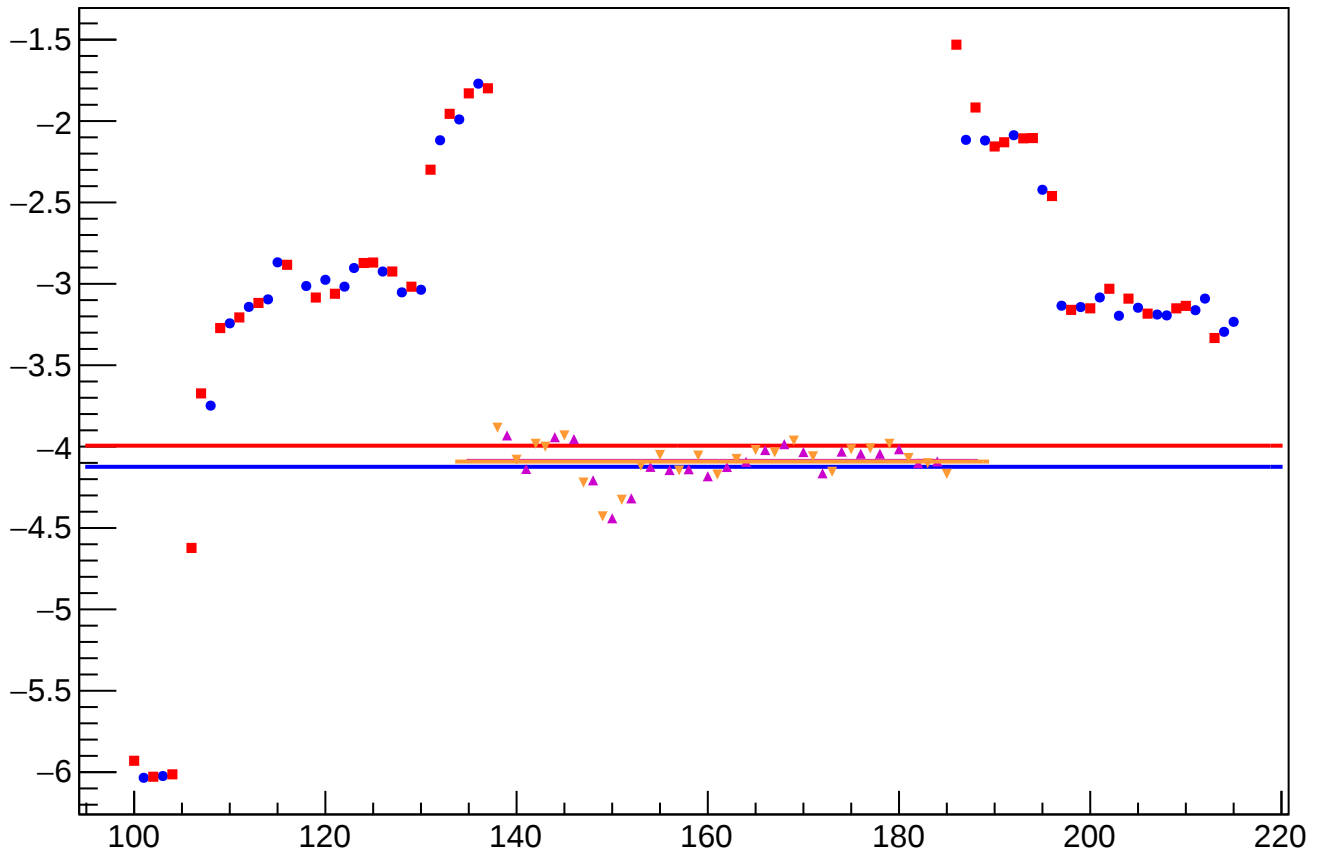
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 7207304.9/56

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 14081882.9/113

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 6851128.9/56

yield_bpm0l03X_mean vs Slug



Right In: -4.124 ± 0.000 $\chi^2/\text{NDF}: 286050119061.2/31$

Left Out: -4.092 ± 0.000 $\chi^2/\text{NDF}: 39806766.7/24$

+ sign -4.123 ± 0.000 $\chi^2/\text{NDF}: 286092932945.9/56$

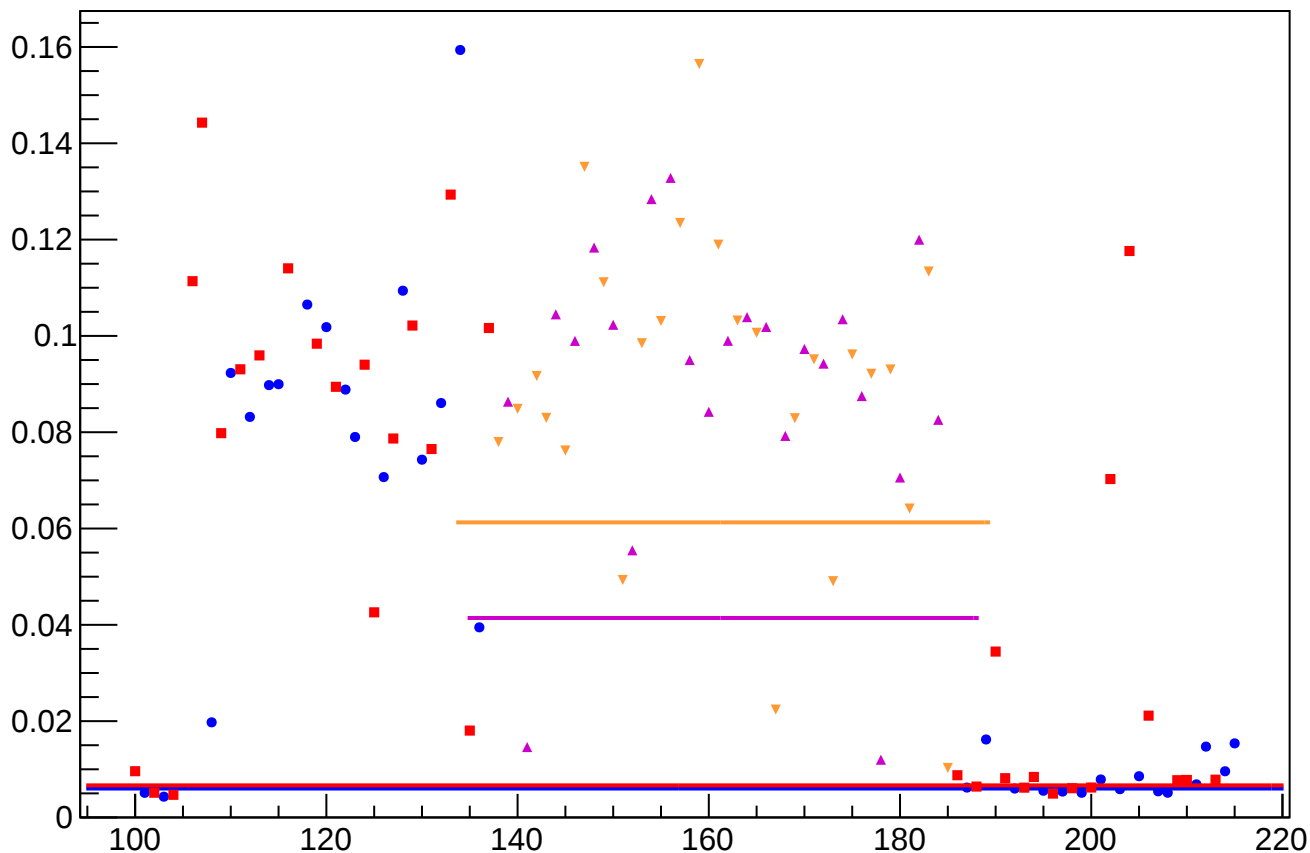
Right Out: -3.994 ± 0.000 $\chi^2/\text{NDF}: 275549758128.6/33$

All: -4.070 ± 0.000 $\chi^2/\text{NDF}: 562534616743.9$

Left In: -4.088 ± 0.000 $\chi^2/\text{NDF}: 34412880.7/22$

- sign -3.999 ± 0.000 $\chi^2/\text{NDF}: 275619670645.0/56$

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8352056.1/31

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10357194.1/33

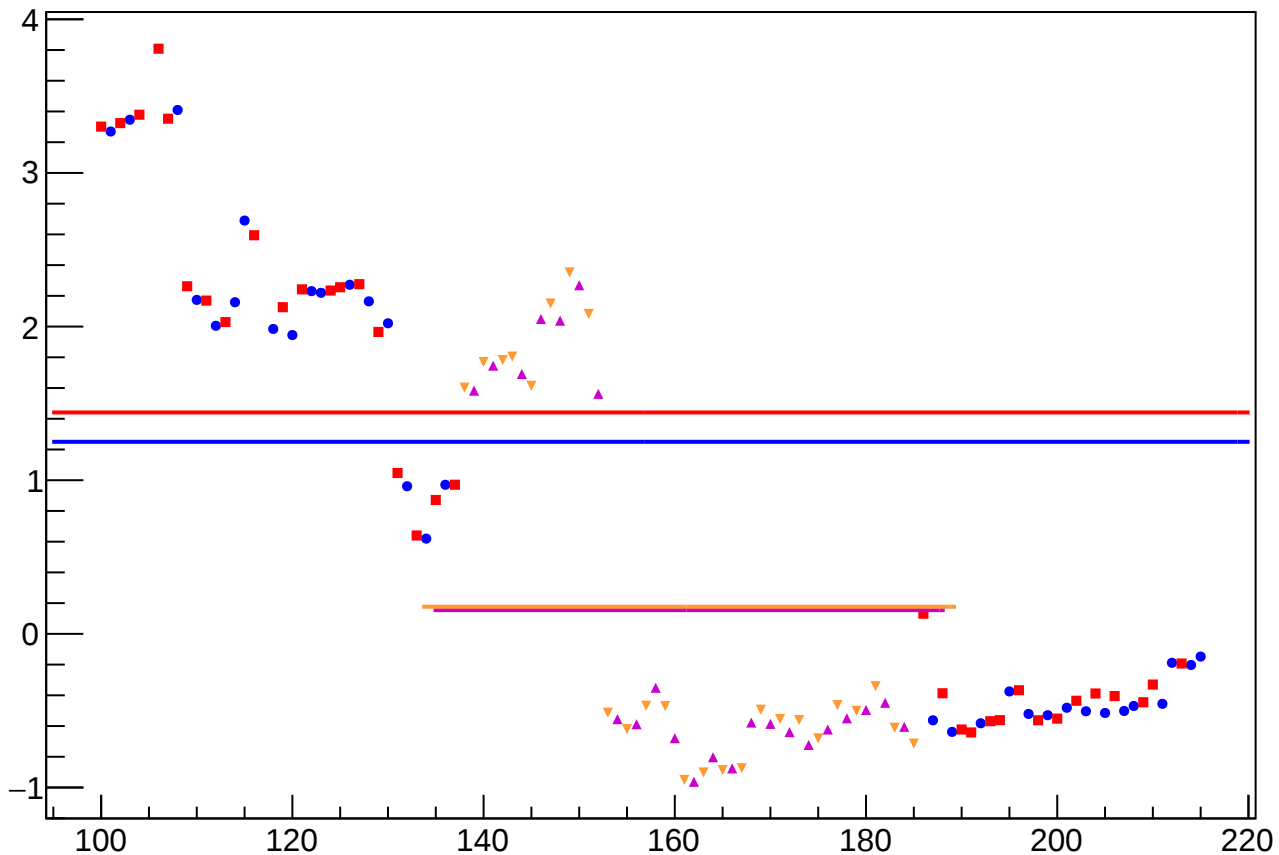
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34309780.9/56

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 67713288.0/113

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33314900.4/56

yield_bpm0l03Y_mean vs Slug



Right In: 1.250+/-0.000 χ^2/NDF : 219681951115.8/31

Left Out: 0.177+/-0.000 χ^2/NDF : 3275313367.7/24

Right Out: 1.441+/-0.000 χ^2/NDF : 185866200129.3/33

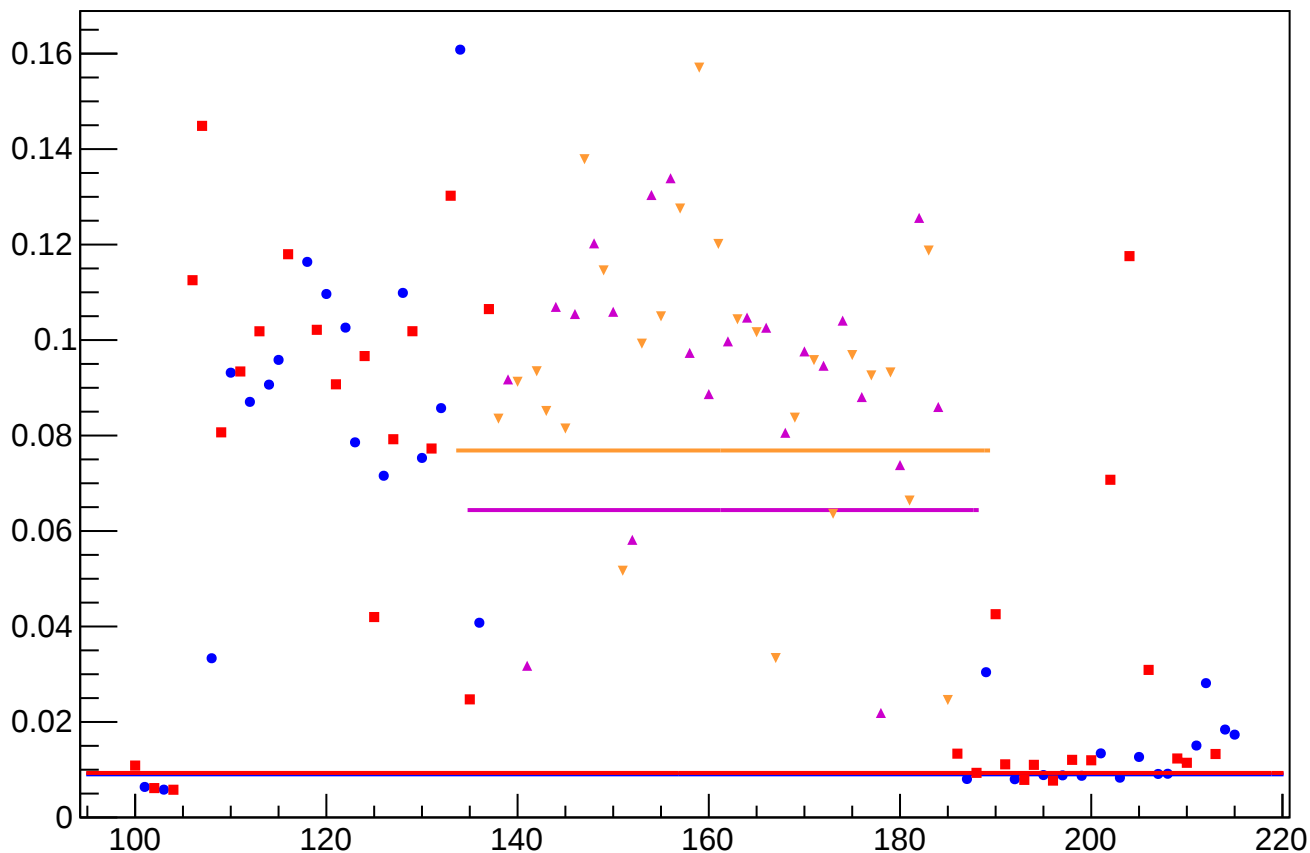
Left In: 0.154+/-0.000 χ^2/NDF : 3163553595.0/22

+ sign 1.212+/-0.000 χ^2/NDF : 225477625196.0/56

All: 1.290+/-0.000 χ^2/NDF : 419425909098.4

- sign 1.381+/-0.000 χ^2/NDF : 193101158556.5/56

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: 10383715.6/33

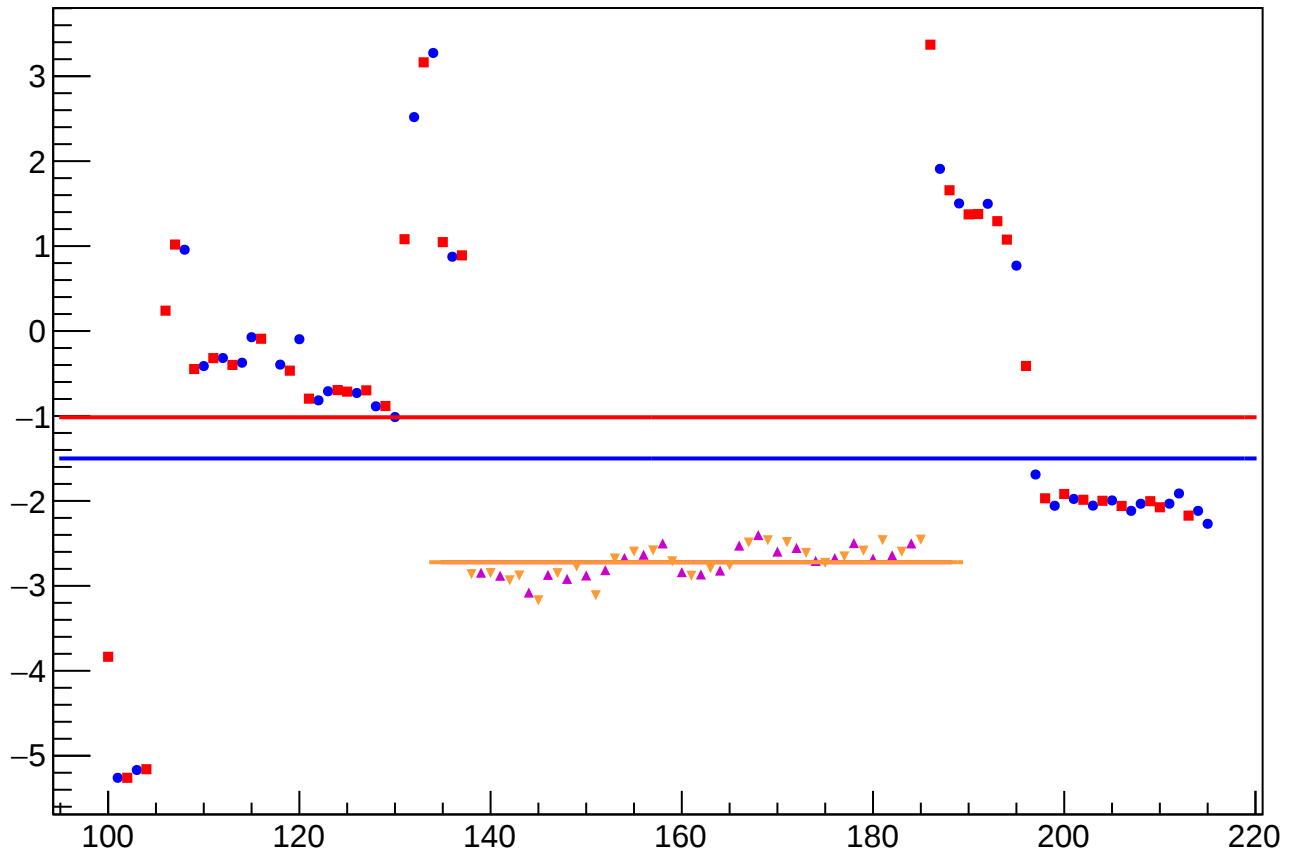
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 32918550.0/56

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 65216052.3/113

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32284148.4/56

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: -1.015+/-0.000 χ^2/NDF : 240855138227.2/33

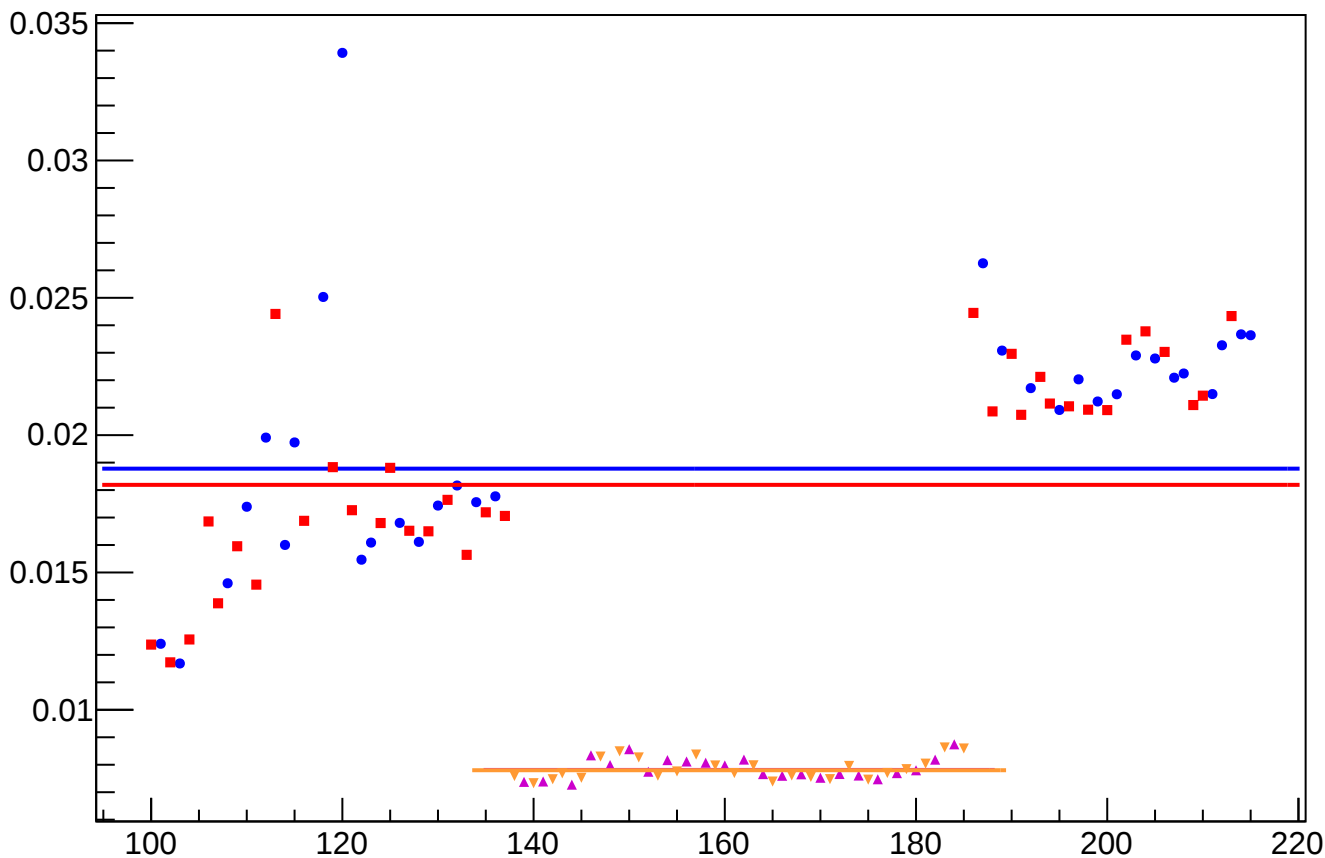
Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.561+/-0.000 χ^2/NDF : 275459099985.9/56

All: -2.518+/-0.000 χ^2/NDF : 642104871414.0

- sign -2.473+/-0.000 χ^2/NDF : 365361294083.1/56

yield_bpm0l04X_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1567504.5/31

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 1395733.2/33

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 10820813.5/56

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 20895001.0/113

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 10071643.8/56

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: 0.237 $\pm$ 0.000 χ^2 /NDF: 949897077042.2/33

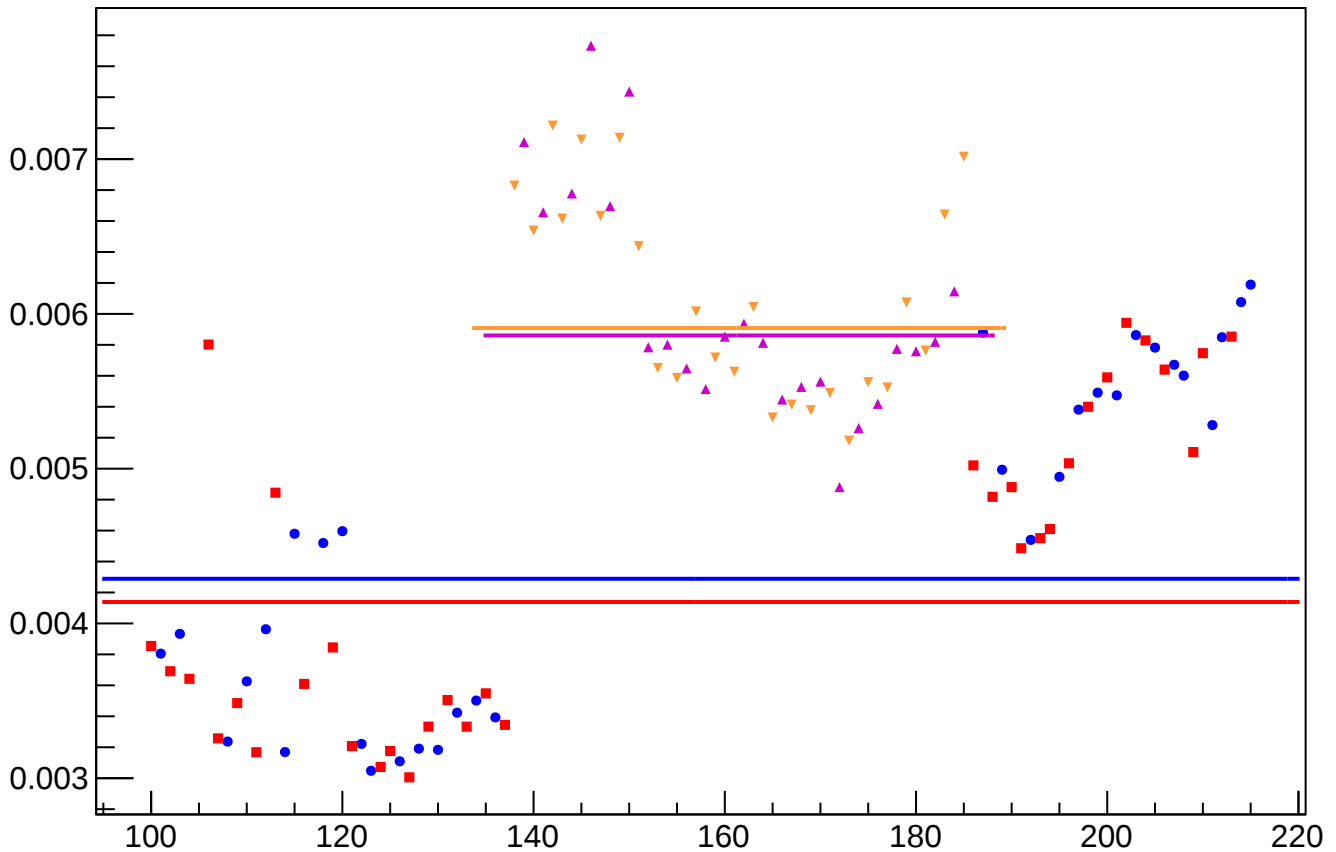
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign 0.147 $\pm$ 0.000 χ^2 /NDF: 1058310891336.7/56

All: 0.146 $\pm$ 0.000 χ^2 /NDF: 2144859860805.0

- sign 0.146 $\pm$ 0.000 χ^2 /NDF: 1086547635486.3/56

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: 1676173.9/33

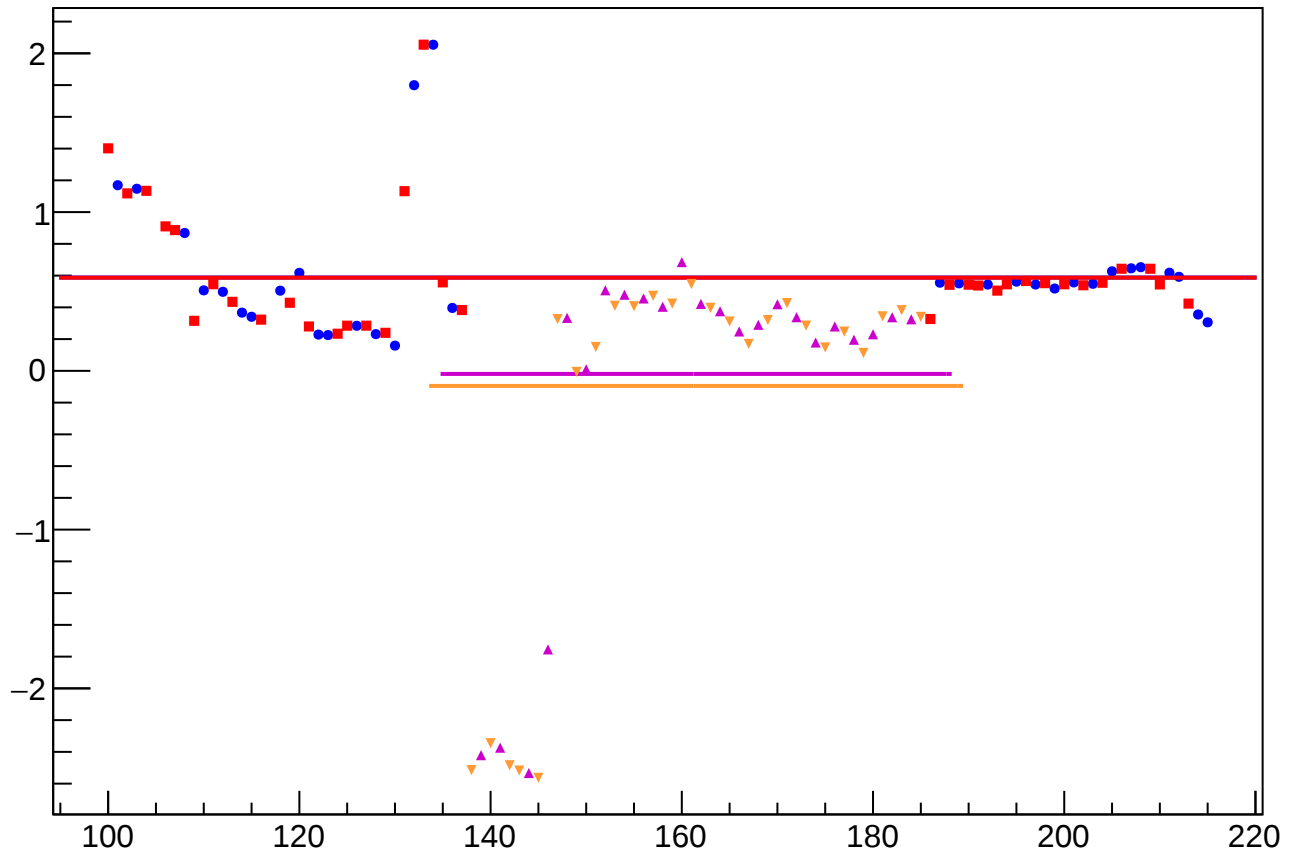
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3788118.4/56

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 7693900.1/113

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3873619.8/56

yield_bpm0l05X_mean vs Slug



Right In: 0.588 $\pm$ 0.000 χ^2 /NDF: 47751076689.3/31

Left Out: -0.095 $\pm$ 0.000 χ^2 /NDF: 505606573631.9/24

Right Out: 0.587 $\pm$ 0.000 χ^2 /NDF: 47631291176.9/33

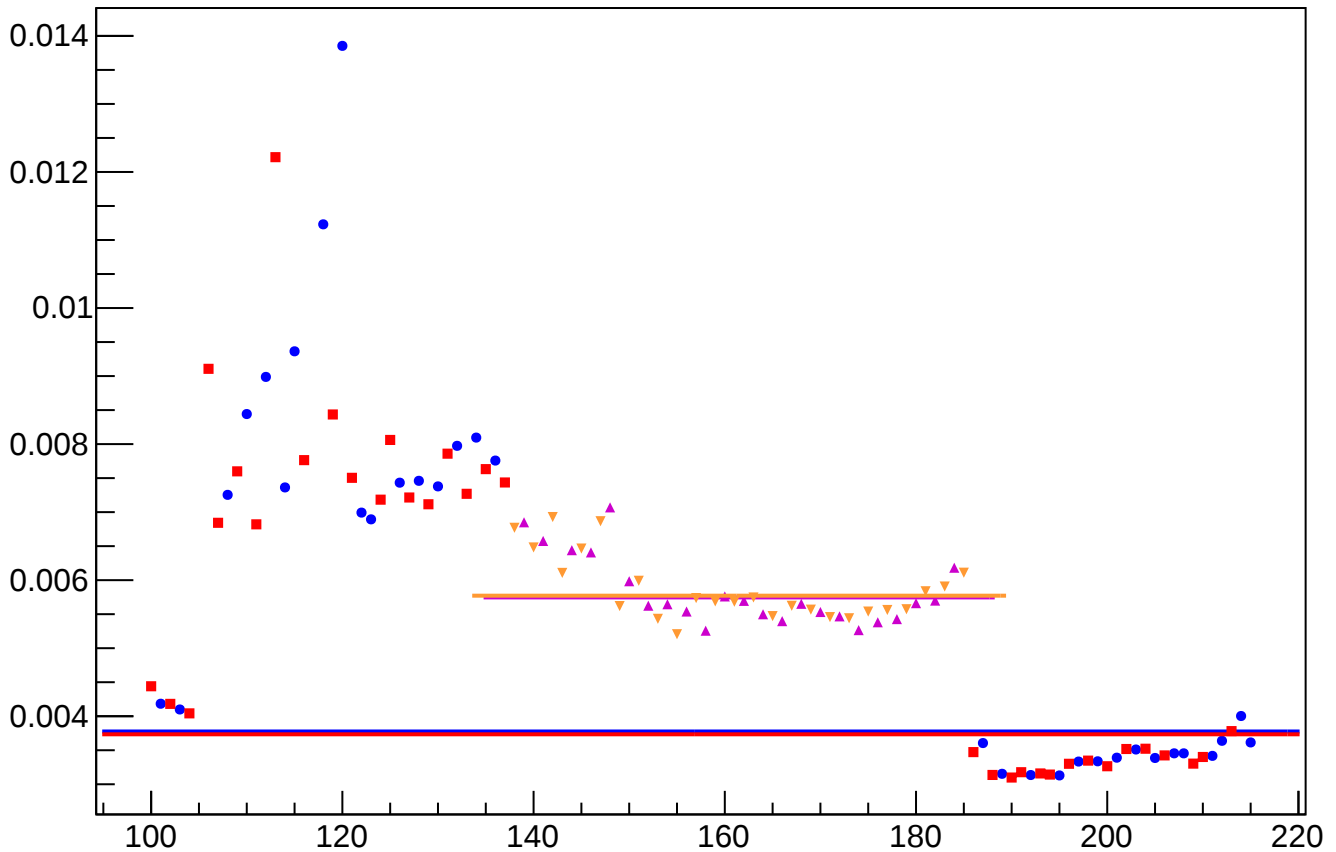
Left In: -0.019 $\pm$ 0.000 χ^2 /NDF: 417104863944.5/22

+ sign 0.360 $\pm$ 0.000 χ^2 /NDF: 713285624511.3/56

All: 0.376 $\pm$ 0.000 χ^2 /NDF: 1302197630172.

- sign 0.393 $\pm$ 0.000 χ^2 /NDF: 588060951263.4/56

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: 3193455.4/33

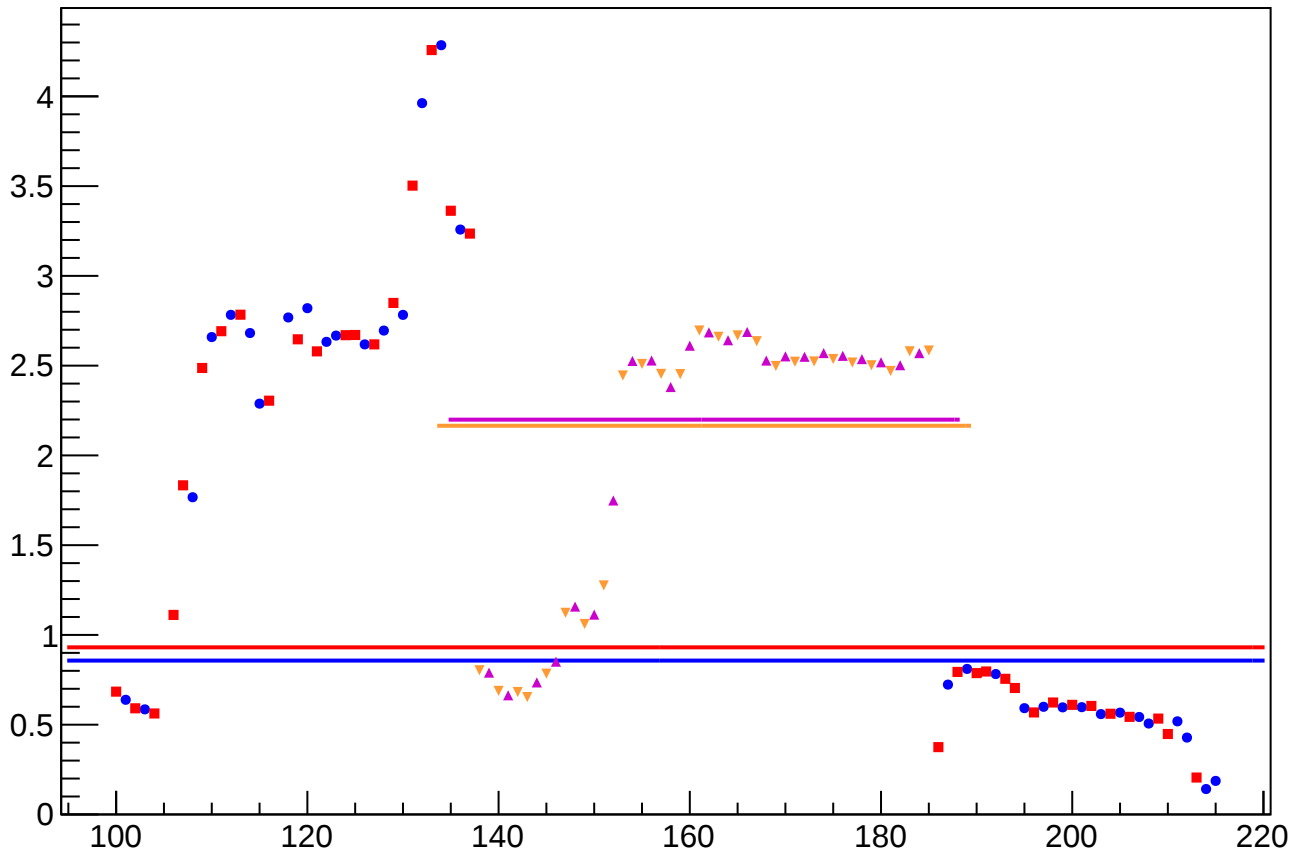
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6064442.8/56

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12184131.6/113

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6113331.4/56

yield_bpm0l05Y_mean vs Slug



Right In: 0.857 $\pm$ 0.000 χ^2 /NDF: 327657052571.4/31

Left Out: 2.165 $\pm$ 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 0.931 $\pm$ 0.000 χ^2 /NDF: 363286686893.6/33

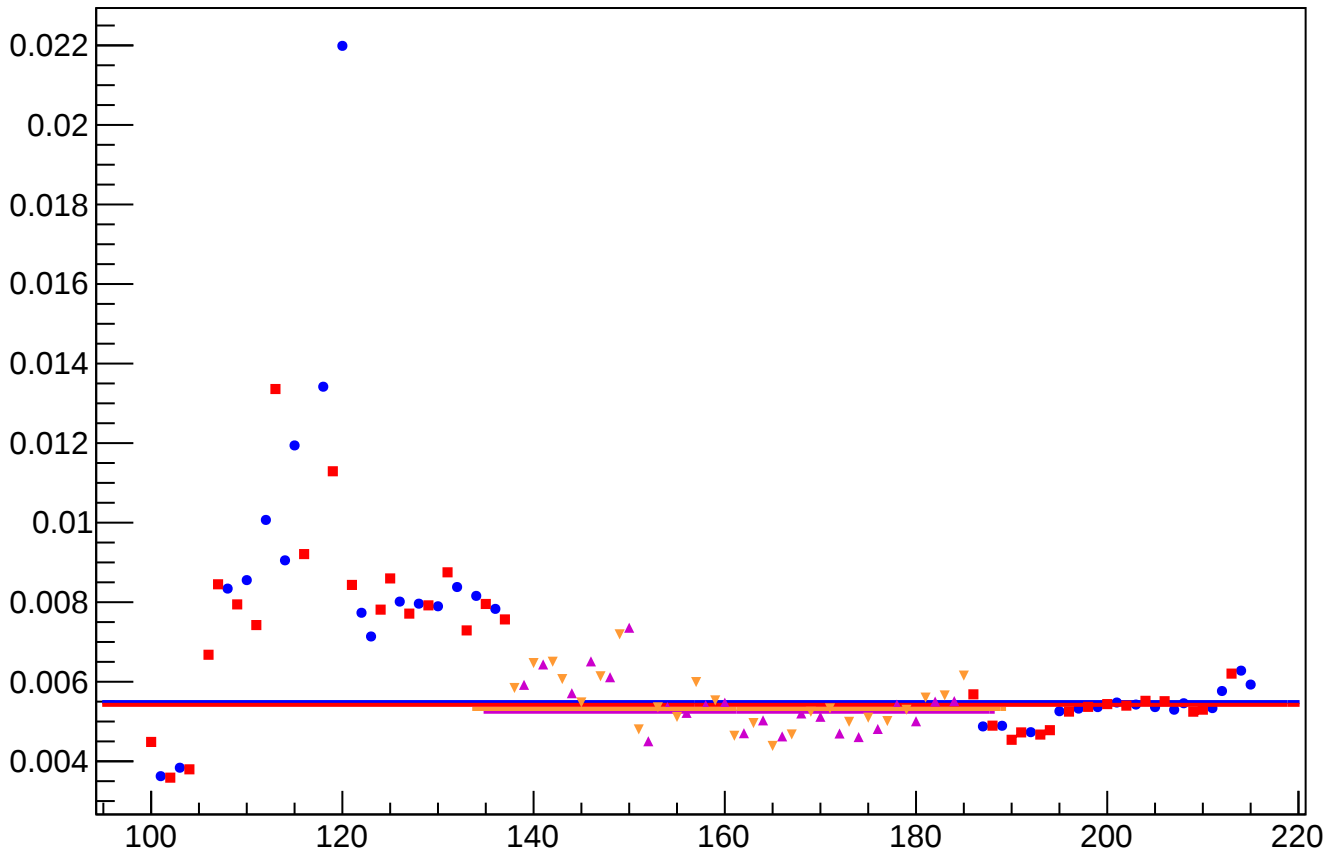
Left In: 2.199 $\pm$ 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 1.563 $\pm$ 0.000 χ^2 /NDF: 1083170226486.4/56

All: 1.581 $\pm$ 0.000 χ^2 /NDF: 2136108199293.6/112

- sign 1.599 $\pm$ 0.000 χ^2 /NDF: 1052232032701.0/56

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2044848.4/31

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1903128.6/33

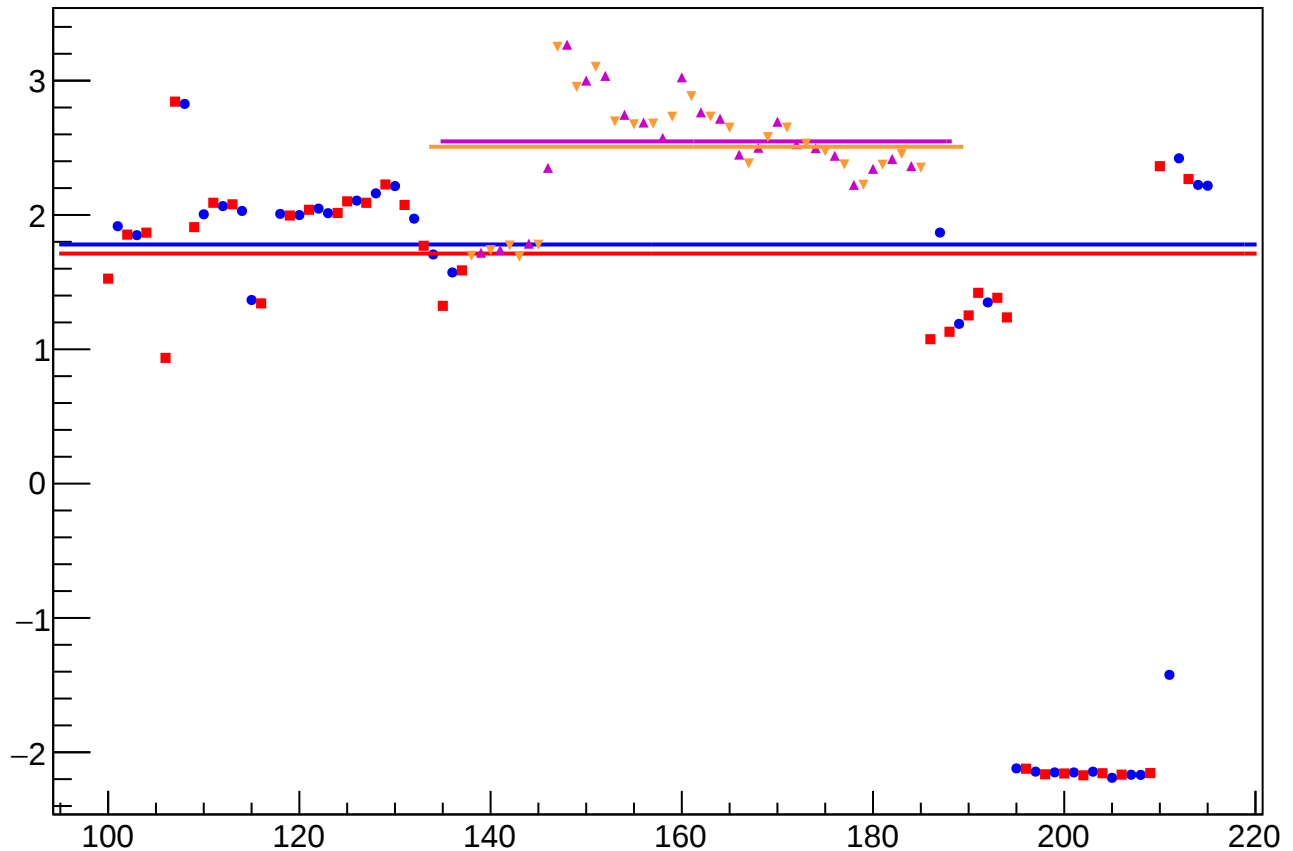
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2459996.6/56

All: 0.005+/-0.000 χ^2/NDF : 4810337.1/113

- sign 0.005+/-0.000 χ^2/NDF : 2345402.5/56

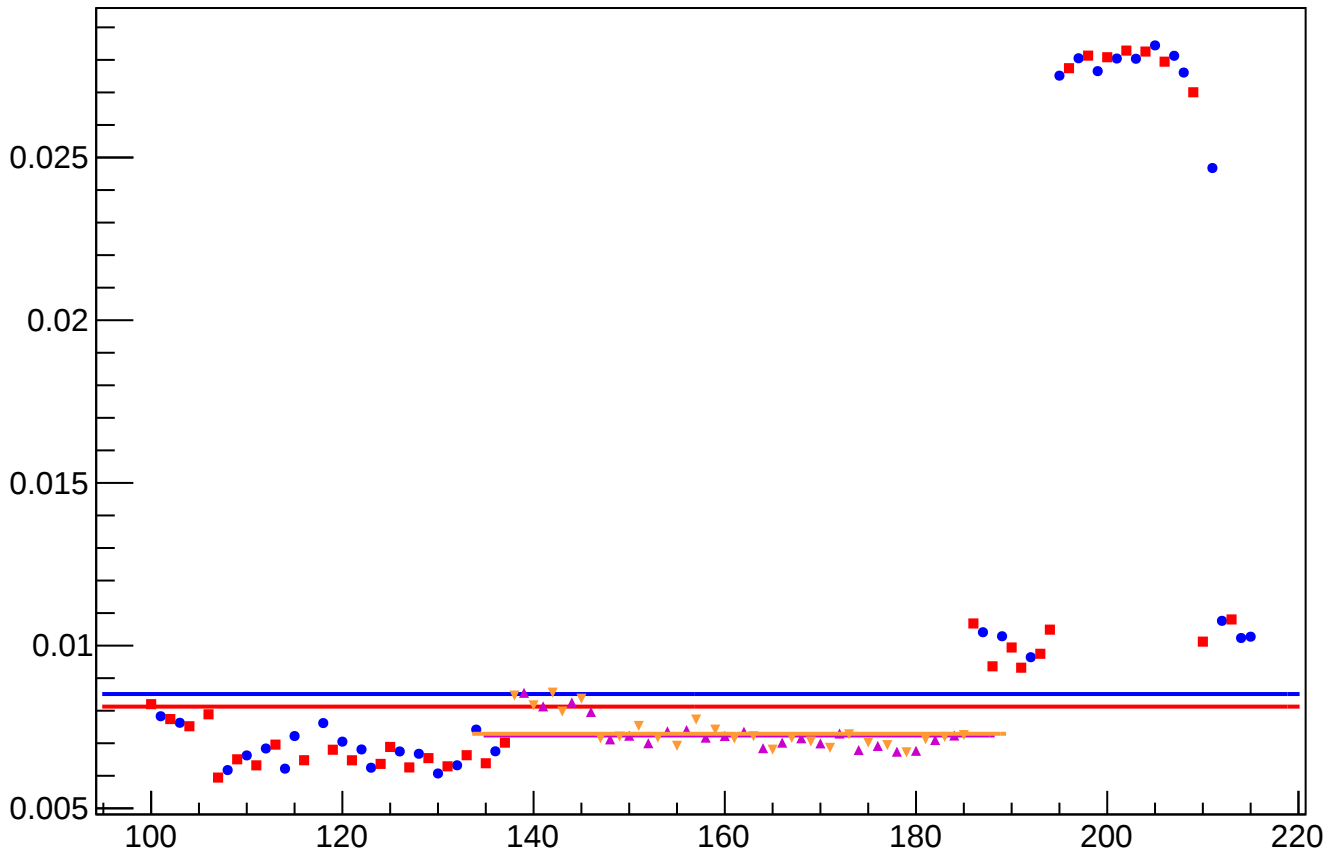
yield_bpm0l06X_mean vs Slug



Right In: 1.780 $\pm$ 0.000 χ^2/NDF : 163116688385.0/31
 Left Out: 2.508 $\pm$ 0.000 χ^2/NDF : 52355332406.0/24
 Right Out: 1.713 $\pm$ 0.000 χ^2/NDF : 143787934785.4/33
 Left In: 2.548 $\pm$ 0.000 χ^2/NDF : 45350336058.7/22

+ sign 2.250 $\pm$ 0.000 χ^2/NDF : 276985123578.9/56
 All: 2.235 $\pm$ 0.000 χ^2/NDF : 552933187466.7
 - sign 2.221 $\pm$ 0.000 χ^2/NDF : 275720996236.7/56

yield_bpm0l06X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 7671780.0/31

Left Out: 0.007+/-0.000 χ^2/NDF :140788.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 6397949.2/33

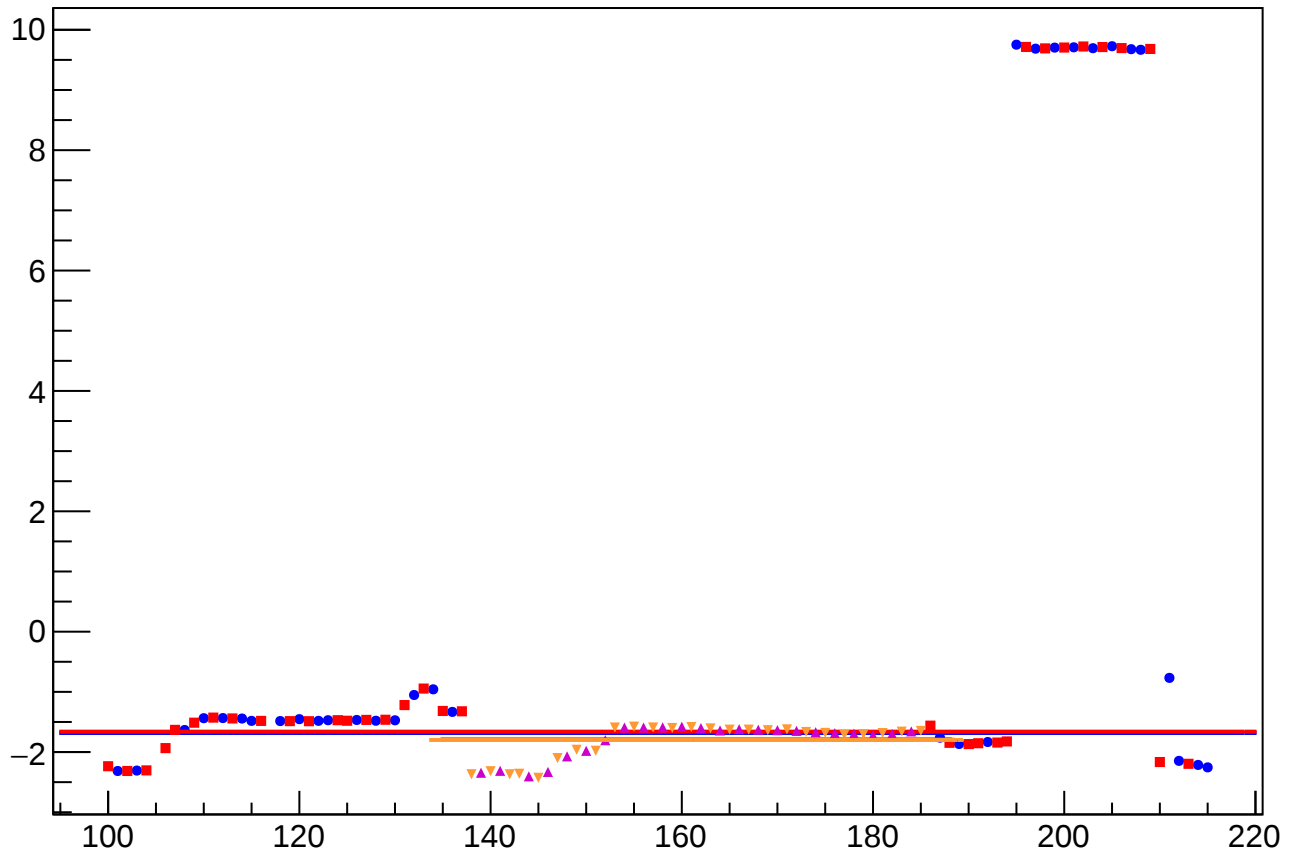
Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

+ sign 0.008+/-0.000 χ^2/NDF : 8158997.7/56

All: 0.008+/-0.000 χ^2/NDF : 14887511.6/113

- sign 0.008+/-0.000 χ^2/NDF : 6718737.2/56

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: -1.661+/-0.000 χ^2 /NDF: 365011907264.5/33

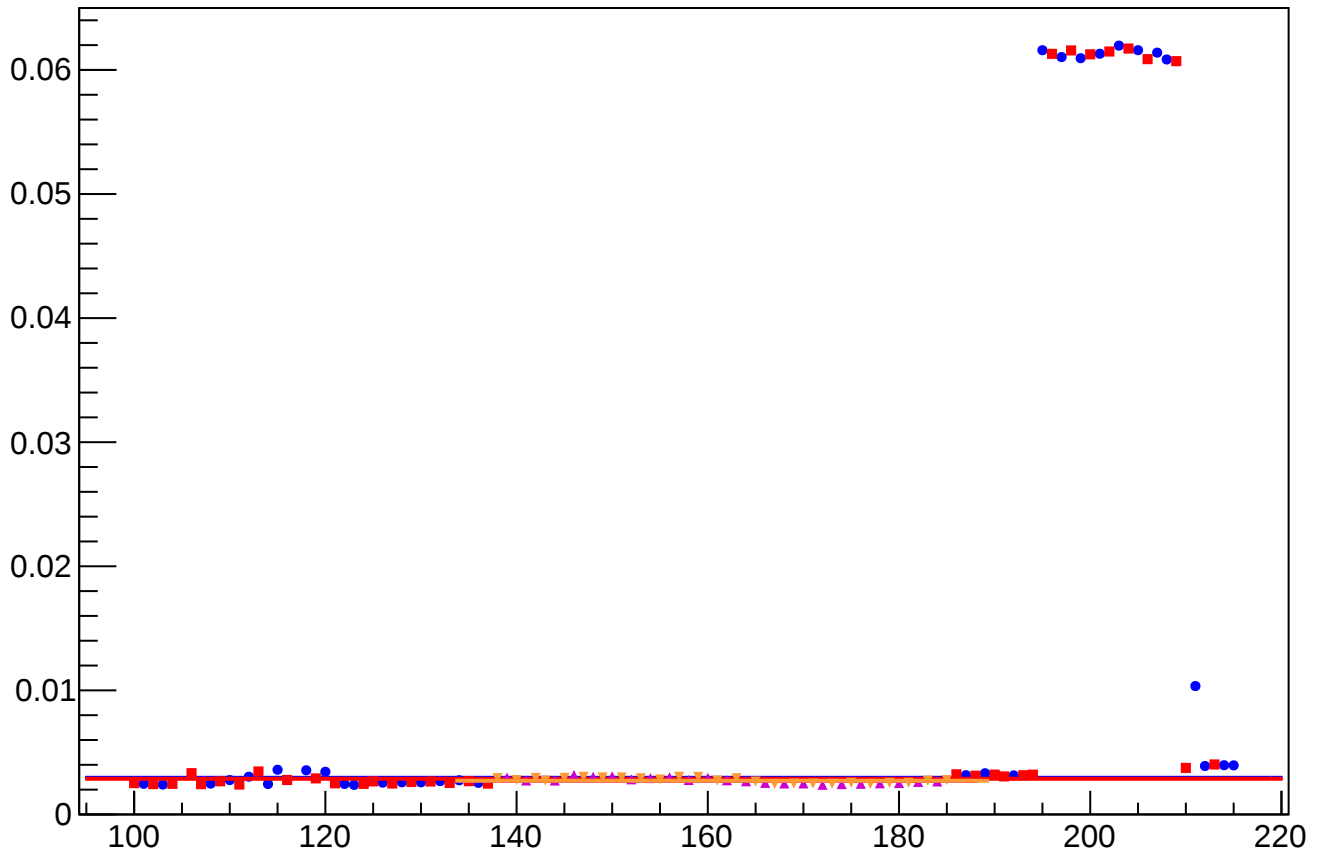
Left In: -1.790+/-0.000 χ^2 /NDF: 159648935510.8/22

+ sign -1.760+/-0.000 χ^2 /NDF: 598040407799.2/56

All: -1.751+/-0.000 χ^2 /NDF: 1137648018898

- sign -1.741+/-0.000 χ^2 /NDF: 538965471719.3/56

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 : 10117997.4/33

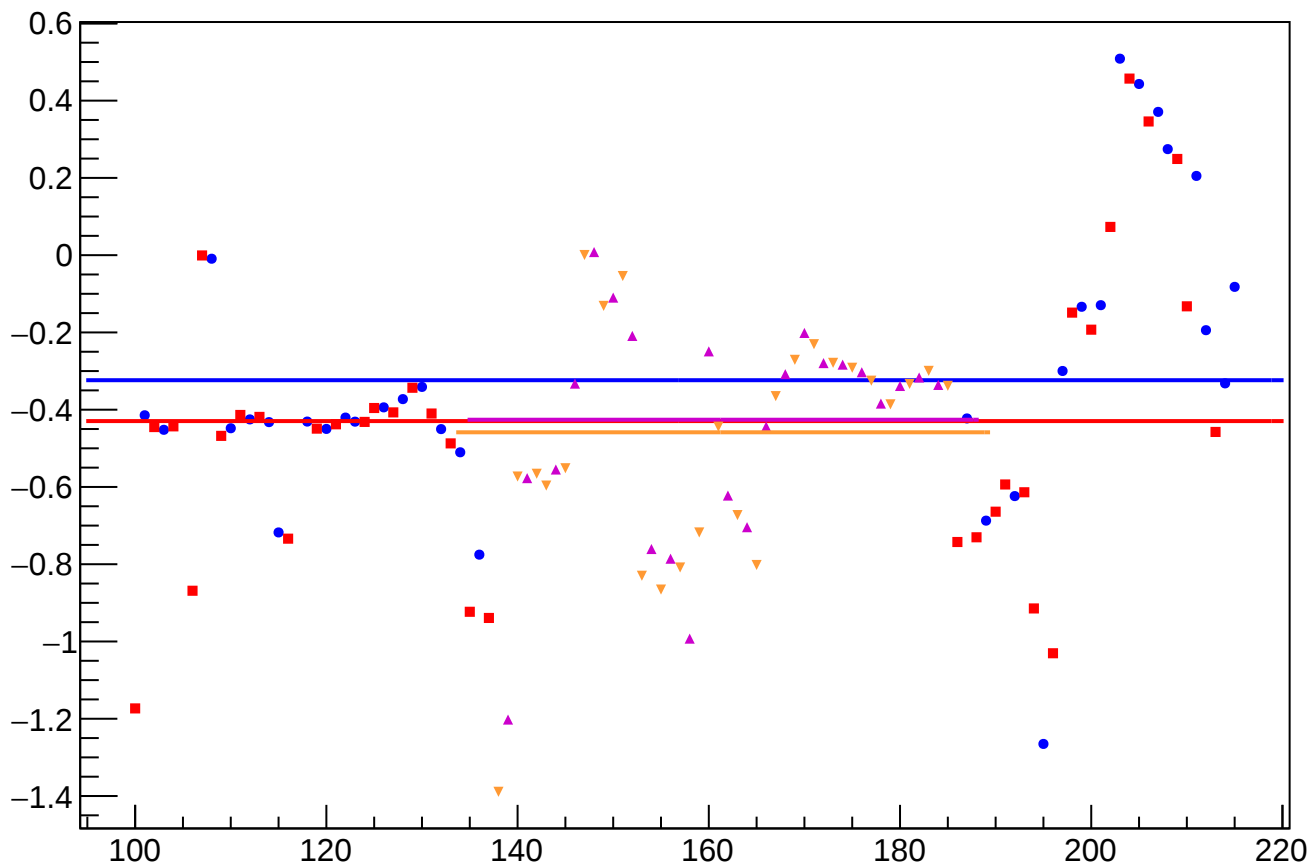
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 12345414.2/56

All: 0.003+/-0.000 χ^2/NDF : 22739123.9/113

- sign 0.003+/-0.000 χ^2/NDF : 10390535.3/56

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: -0.429+/-0.000 χ^2/NDF : 10158243554.2/33

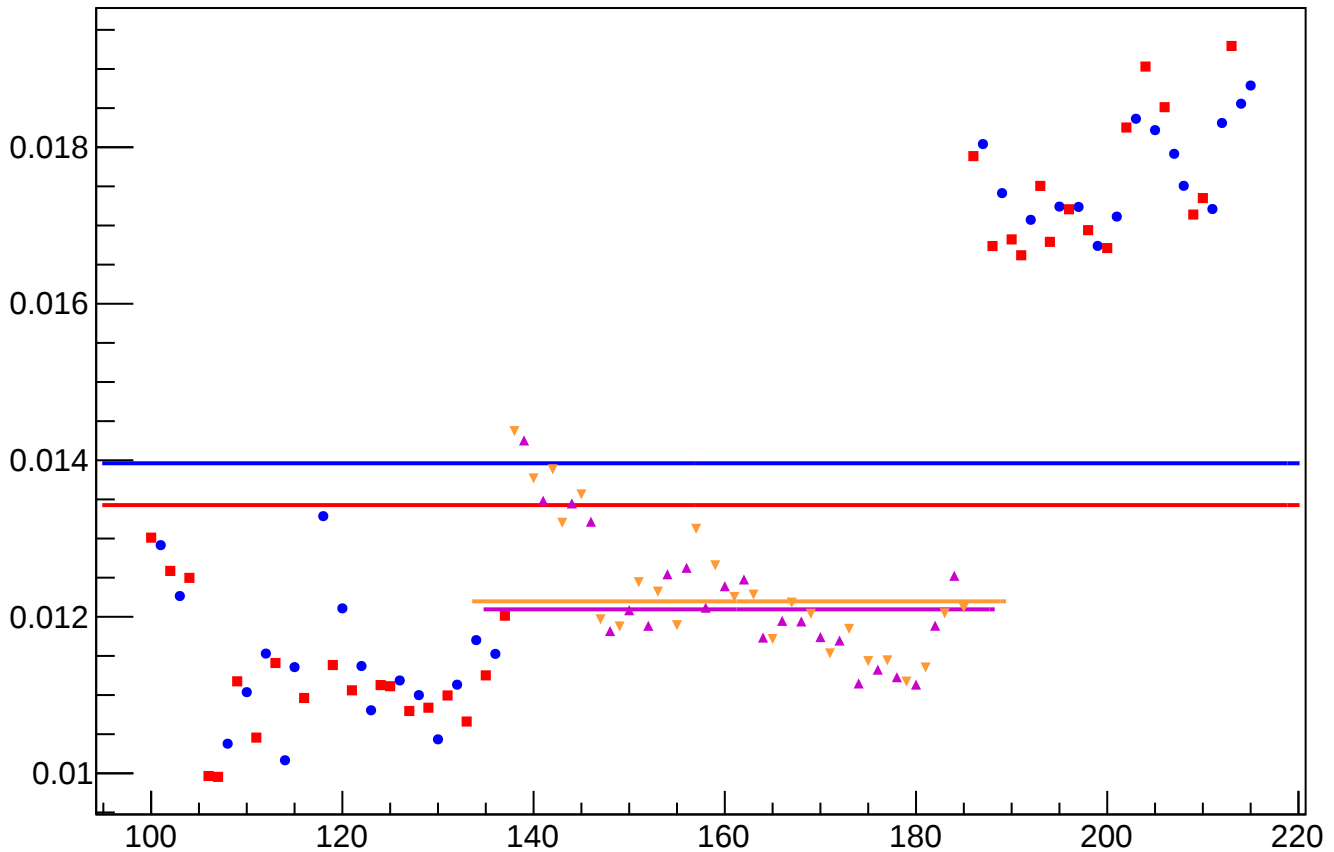
Left In: -0.426+/-0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.403+/-0.000 χ^2/NDF : 21723485155.7/56

All: -0.415+/-0.000 χ^2/NDF : 40366988121.8/100

- sign -0.428+/-0.000 χ^2/NDF : 18583079758.5/56

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: 0.013+/-0.000 χ^2/NDF : 1757165.4/33

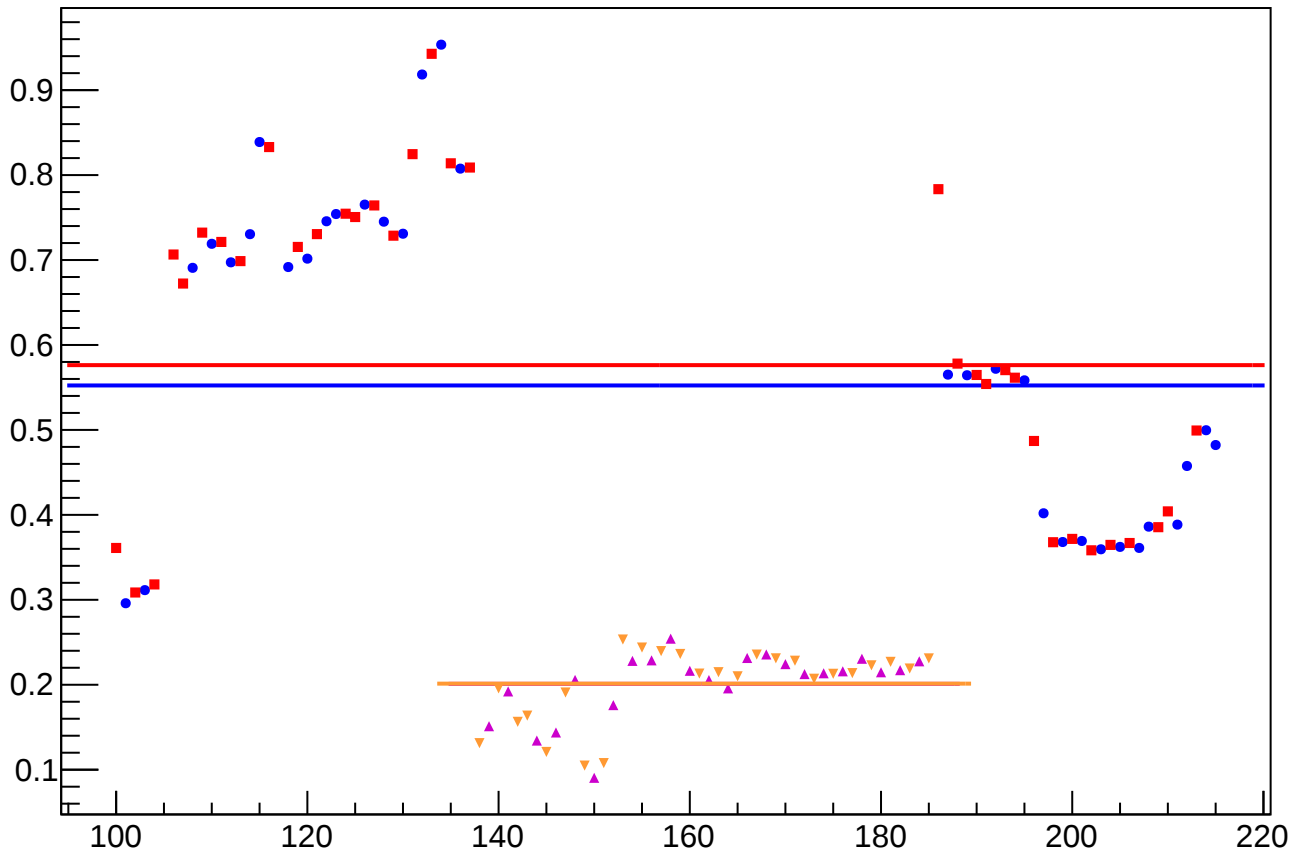
Left In: 0.012+/-0.000 χ^2/NDF : 127308.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 2052044.6/56

All: 0.013+/-0.000 χ^2/NDF : 4125068.1/113

- sign 0.013+/-0.000 χ^2/NDF : 2061018.7/56

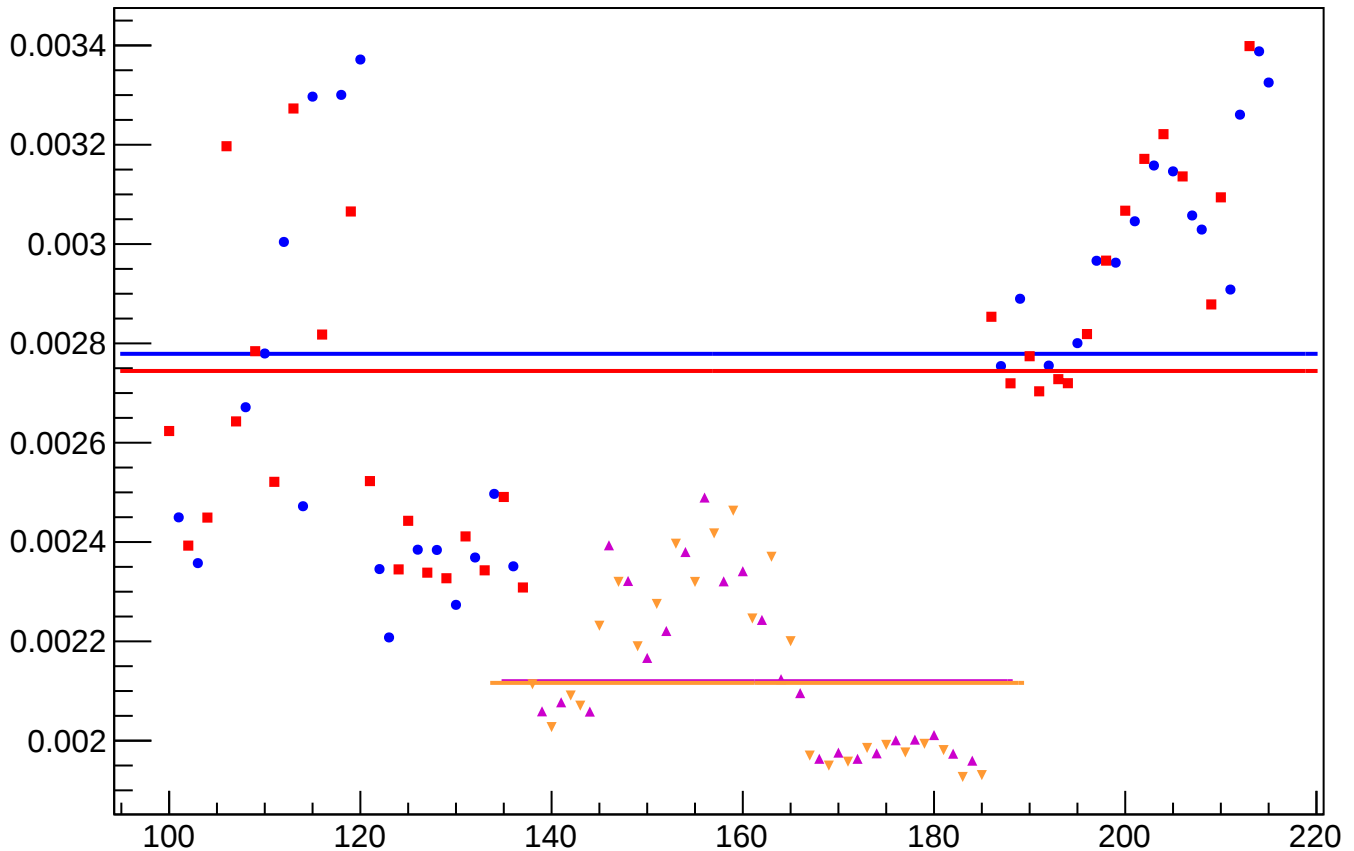
yield_bpm0l07Y_mean vs Slug



Right In: 0.552 ± 0.000 χ^2/NDF : 76584585372.9/31
 Left Out: 0.201 ± 0.000 χ^2/NDF : 7090760823.7/24
 Right Out: 0.576 ± 0.000 χ^2/NDF : 73763444849.1/33
 Left In: 0.201 ± 0.000 χ^2/NDF : 5671770181.2/22

+ sign 0.323 ± 0.000 χ^2/NDF : 256813538234.1/56
 All: 0.330 ± 0.000 χ^2/NDF : 532559197245.2
 - sign 0.338 ± 0.000 χ^2/NDF : 275083954973.6/56

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: 401802.6/33

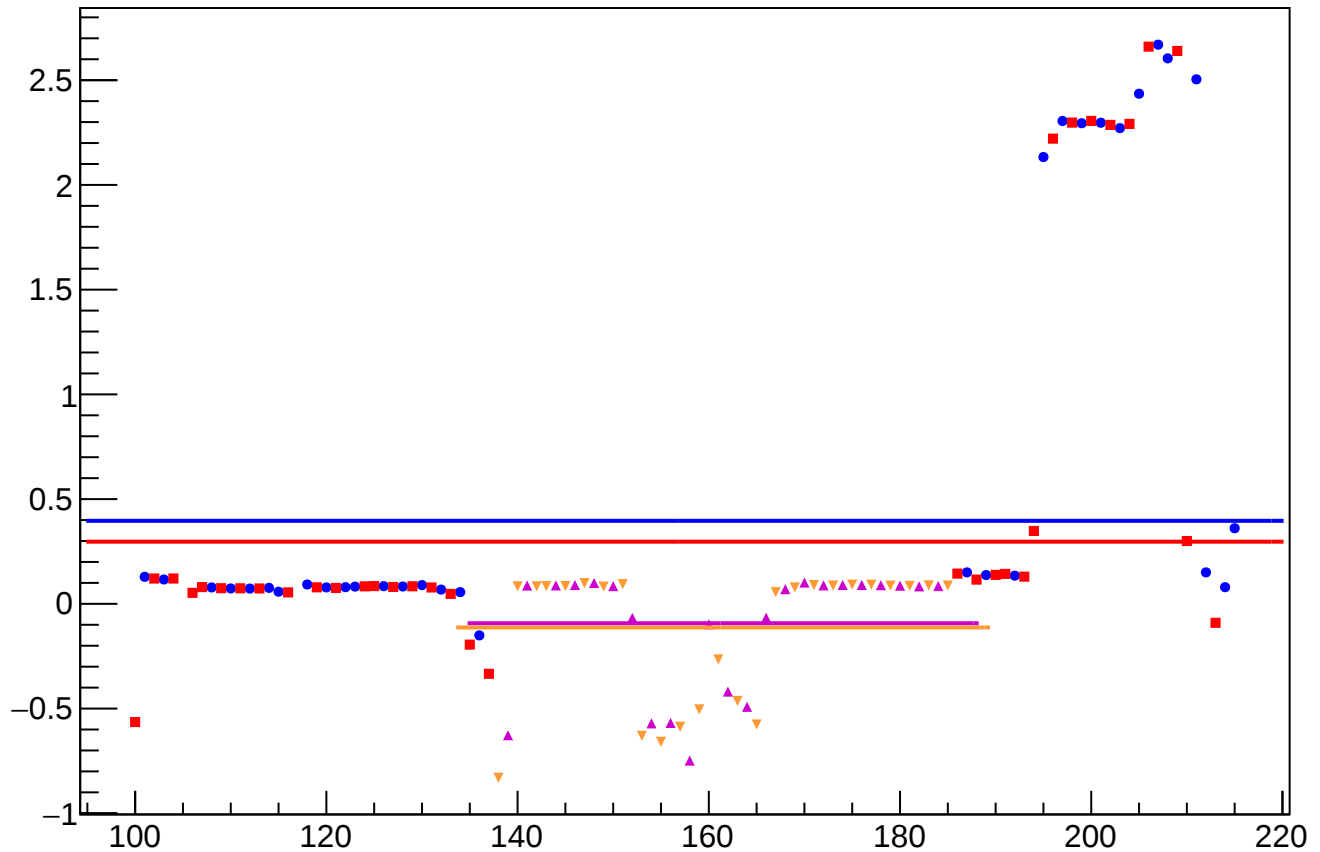
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:189228.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1991631.5/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 3667252.9/113

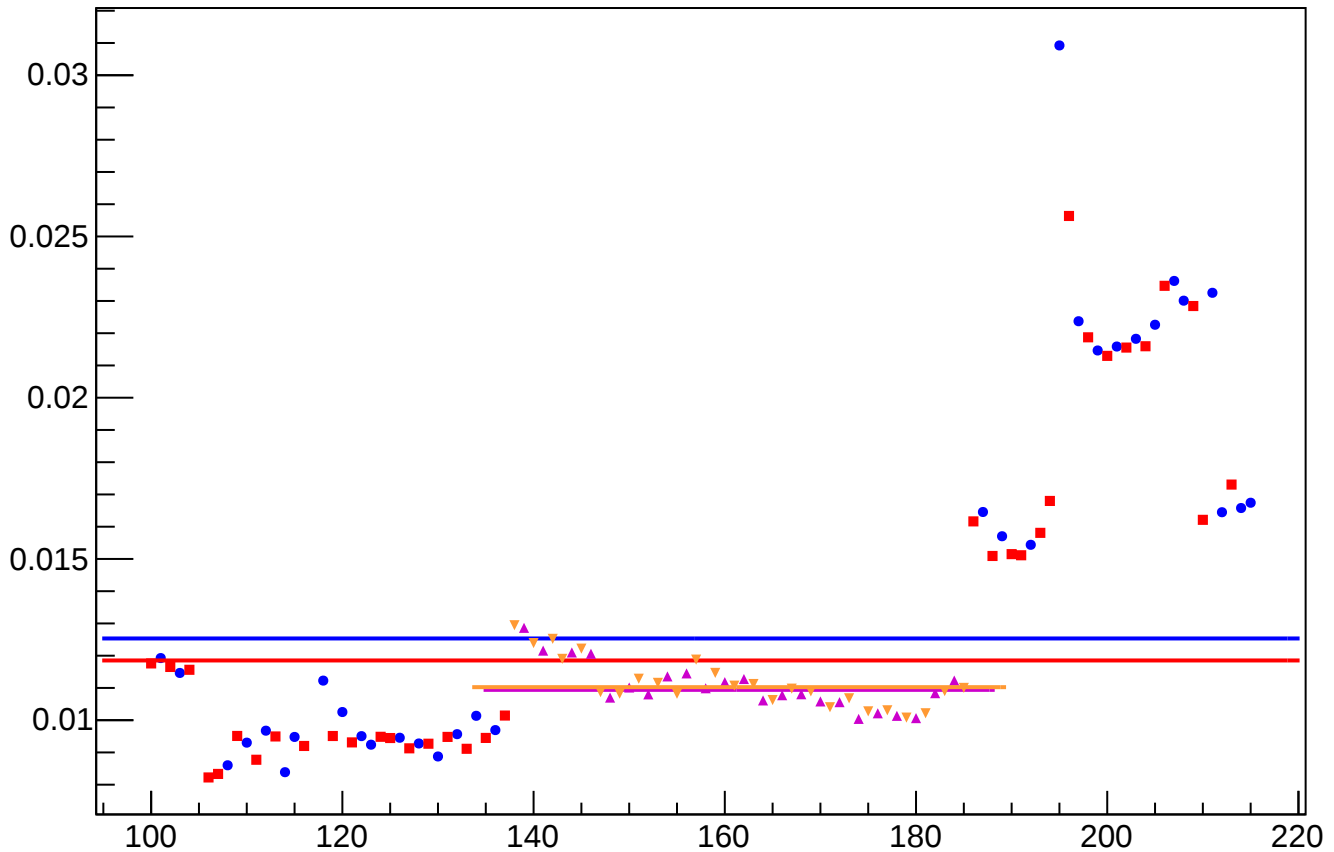
- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1675612.1/56

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: 0.082+/-0.000	χ^2/NDF : 162180016601.5
Right Out: 0.297+/-0.000	χ^2/NDF : 52186722862.1/33	- sign 0.076+/-0.000	χ^2/NDF : 72339900238.1/56
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 : 4047817.5/33

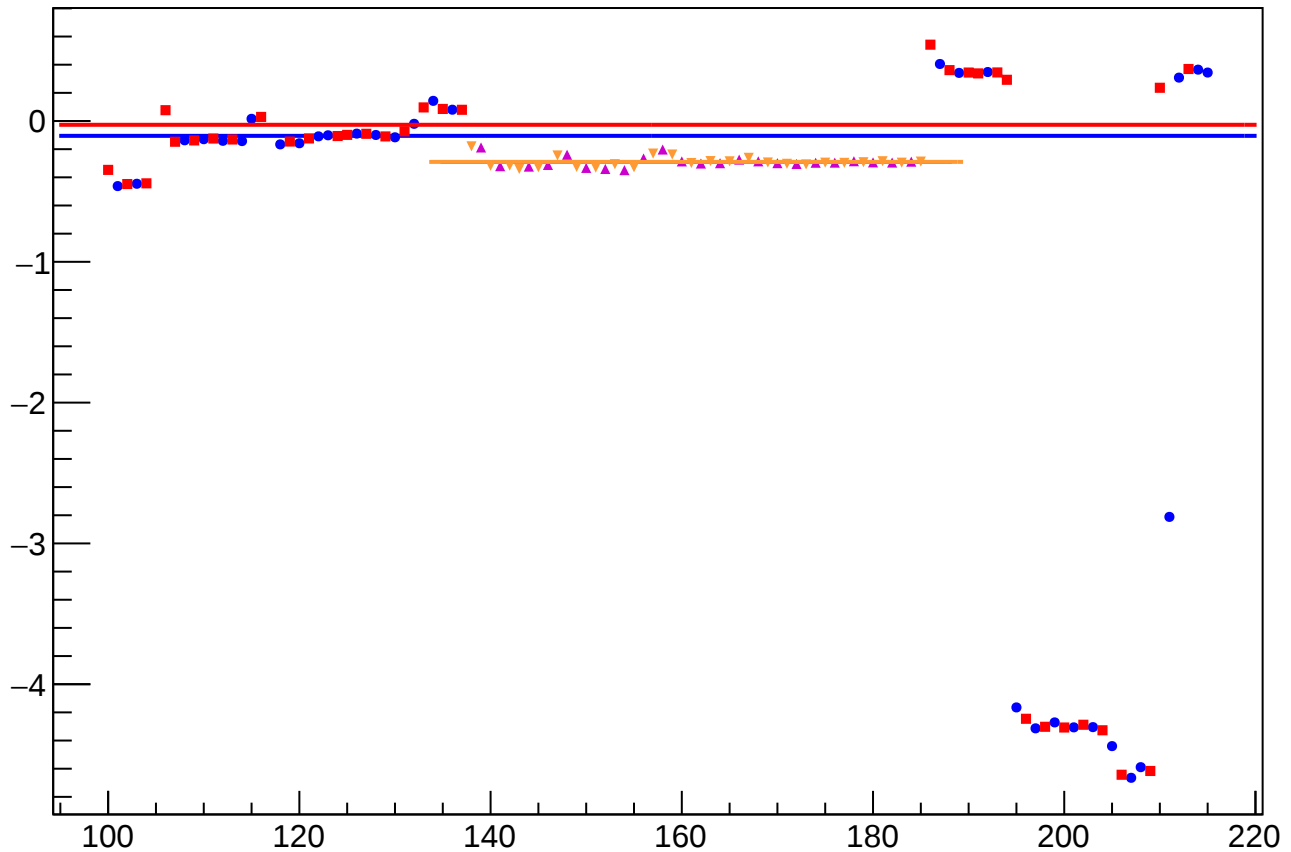
Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

+ sign 0.012+/-0.000 χ^2/NDF : 4867408.7/56

All: 0.011+/-0.000 χ^2/NDF : 9163303.1/113

- sign 0.011+/-0.000 χ^2/NDF : 4276460.3/56

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

Right Out: -0.027 ± 0.000 χ^2/NDF : 343495947414.5/33

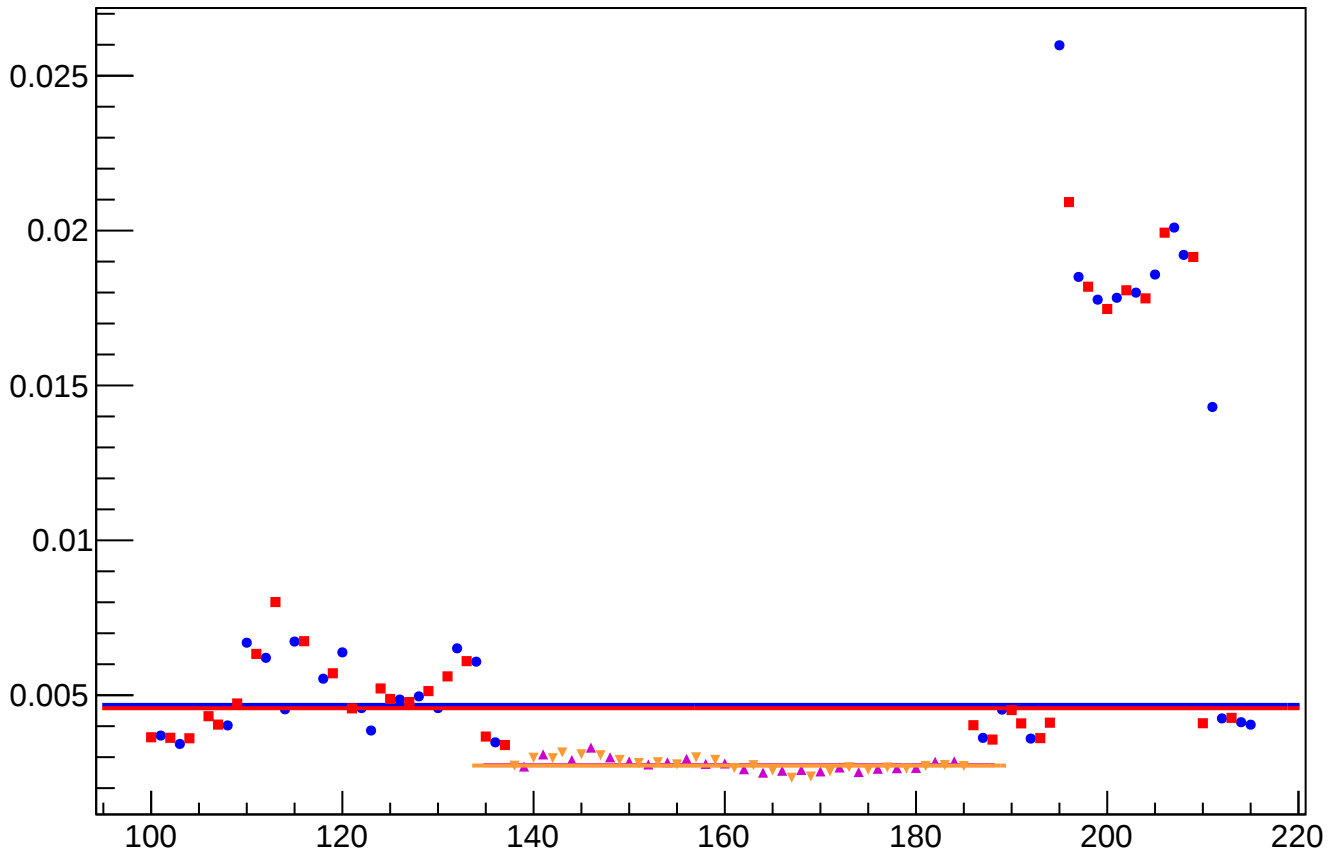
Left In: -0.291 ± 0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.255 ± 0.000 χ^2/NDF : 405815067205.5/56

All: -0.245 ± 0.000 χ^2/NDF : 786278651761.0

- sign -0.234 ± 0.000 χ^2/NDF : 379814583456.6/56

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 ± 0.000 χ^2/NDF : 8581345.9/31

Left Out: 0.003 ± 0.000 χ^2/NDF : 206527.1/24

Right Out: 0.005 ± 0.000 χ^2/NDF : 6963815.3/33

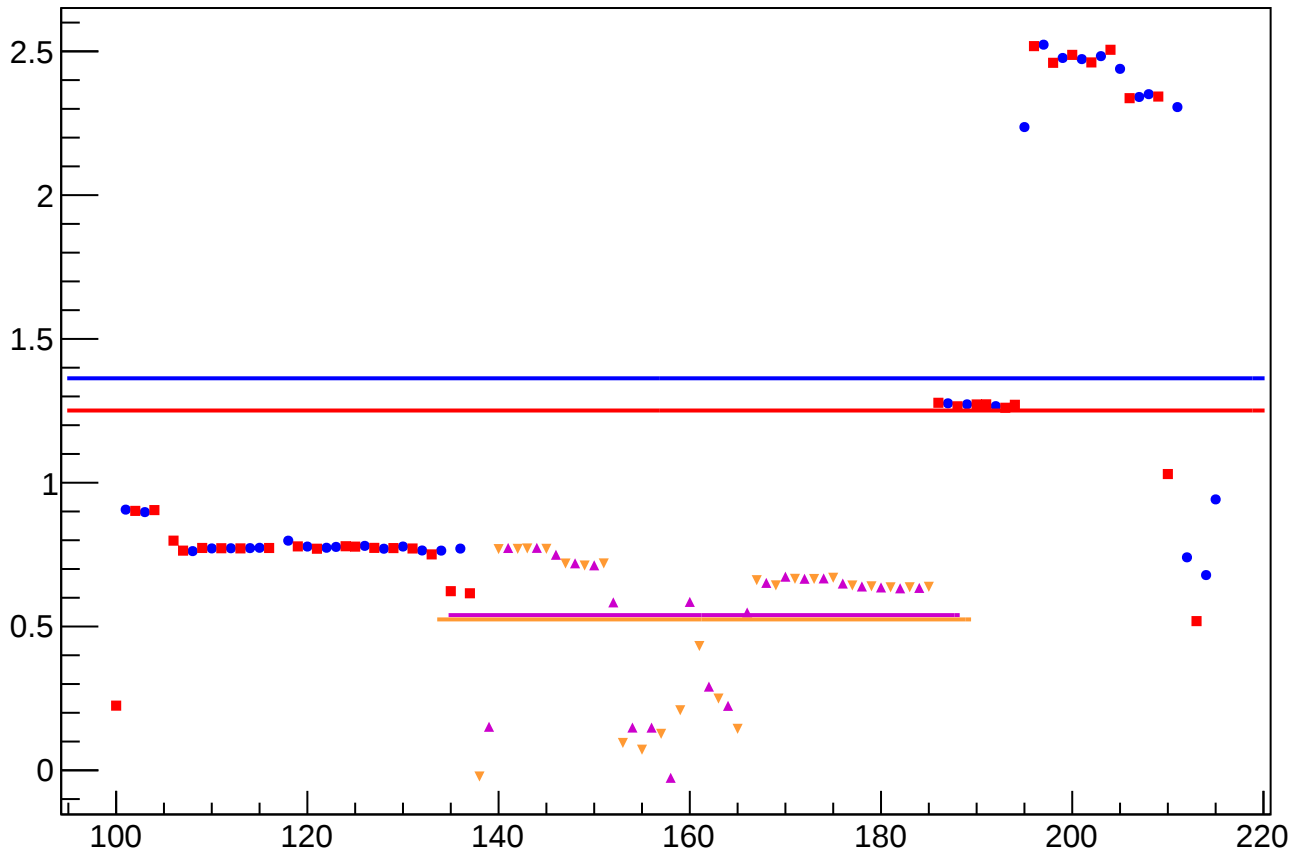
Left In: 0.003 ± 0.000 χ^2/NDF : 147778.8/22

+ sign 0.003 ± 0.000 χ^2/NDF : 12214589.8/56

All: 0.003 ± 0.000 χ^2/NDF : 22540034.6/113

- sign 0.003 ± 0.000 χ^2/NDF : 10320852.0/56

yield_bpm0l09X_mean vs Slug



Right In: 1.363+/-0.000 χ^2/NDF : 59276306343.5/31

Left Out: 0.525+/-0.000 χ^2/NDF : 9623503169.9/24

Right Out: 1.251+/-0.000 χ^2/NDF : 54684177626.6/33

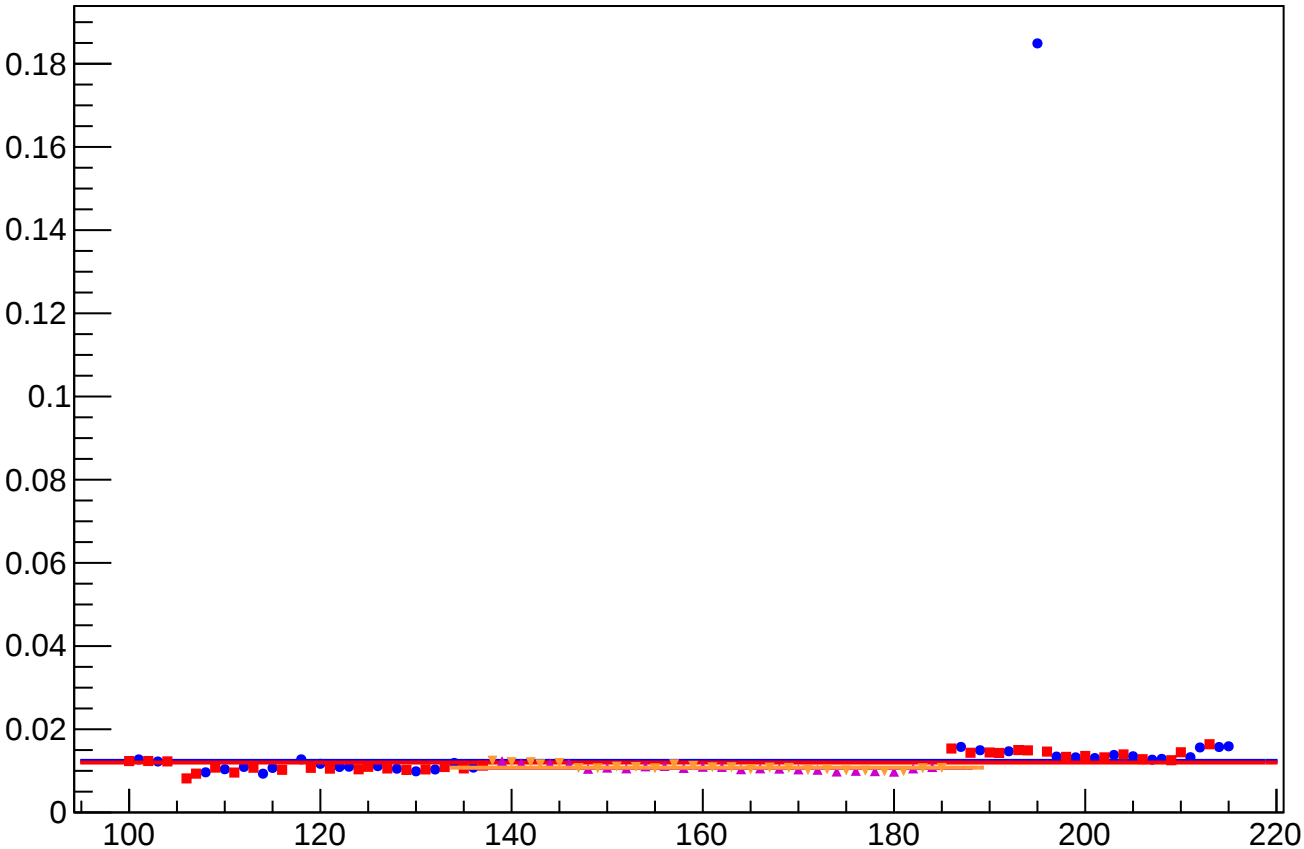
Left In: 0.540+/-0.000 χ^2/NDF : 7860539135.5/22

+ sign 0.863+/-0.000 χ^2/NDF : 112138380760.3/56

All: 0.854+/-0.000 χ^2/NDF : 206515445794.4

- sign 0.846+/-0.000 χ^2/NDF : 94340129606.2/56

yield_bpm0l09X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 2114475.1/31

Left Out: 0.011+/-0.000 χ^2/NDF :131630.9/24

Right Out: 0.012+/-0.000 χ^2/NDF : 871438.4/33

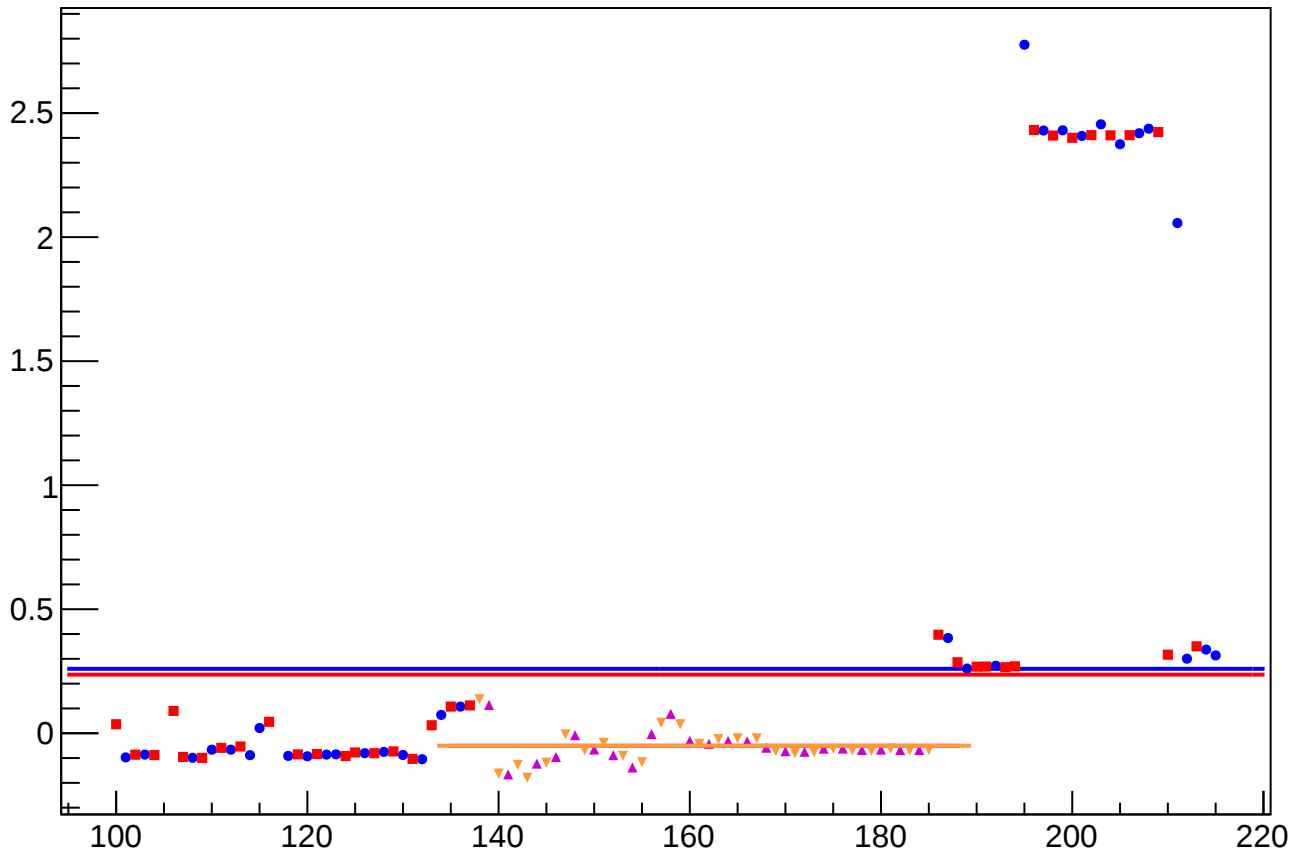
Left In: 0.011+/-0.000 χ^2/NDF :119273.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 2572329.1/56

All: 0.011 ± 0.000 χ^2/NDF : 3784984.8/113

- sign 0.011+/-0.000 χ^2/NDF : 1205066.6/56

yield_bpm0l09Y_mean vs Slug



Right In: 0.260 $\pm$ 0.000 χ^2 /NDF: 195912507644.6/31

Left Out: -0.050 $\pm$ 0.000 χ^2 /NDF: 7271496478.6/24

Right Out: 0.236 $\pm$ 0.000 χ^2 /NDF: 160224040452.2/33

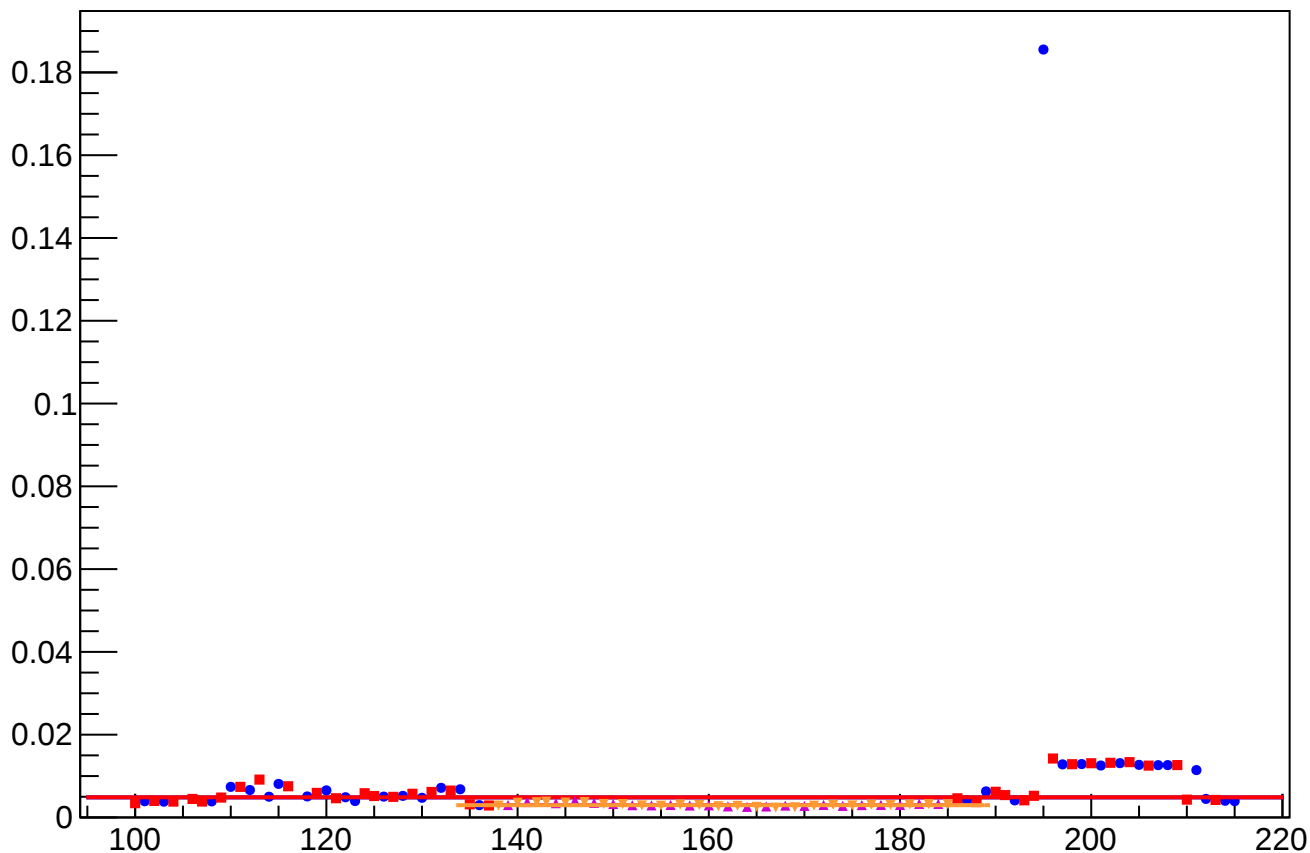
Left In: -0.051 $\pm$ 0.000 χ^2 /NDF: 6128769990.8/22

+ sign 0.016 $\pm$ 0.000 χ^2 /NDF: 243261712571.8/56

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 443770781272.8

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 200509068516.3/56

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 : 5155616.6/33

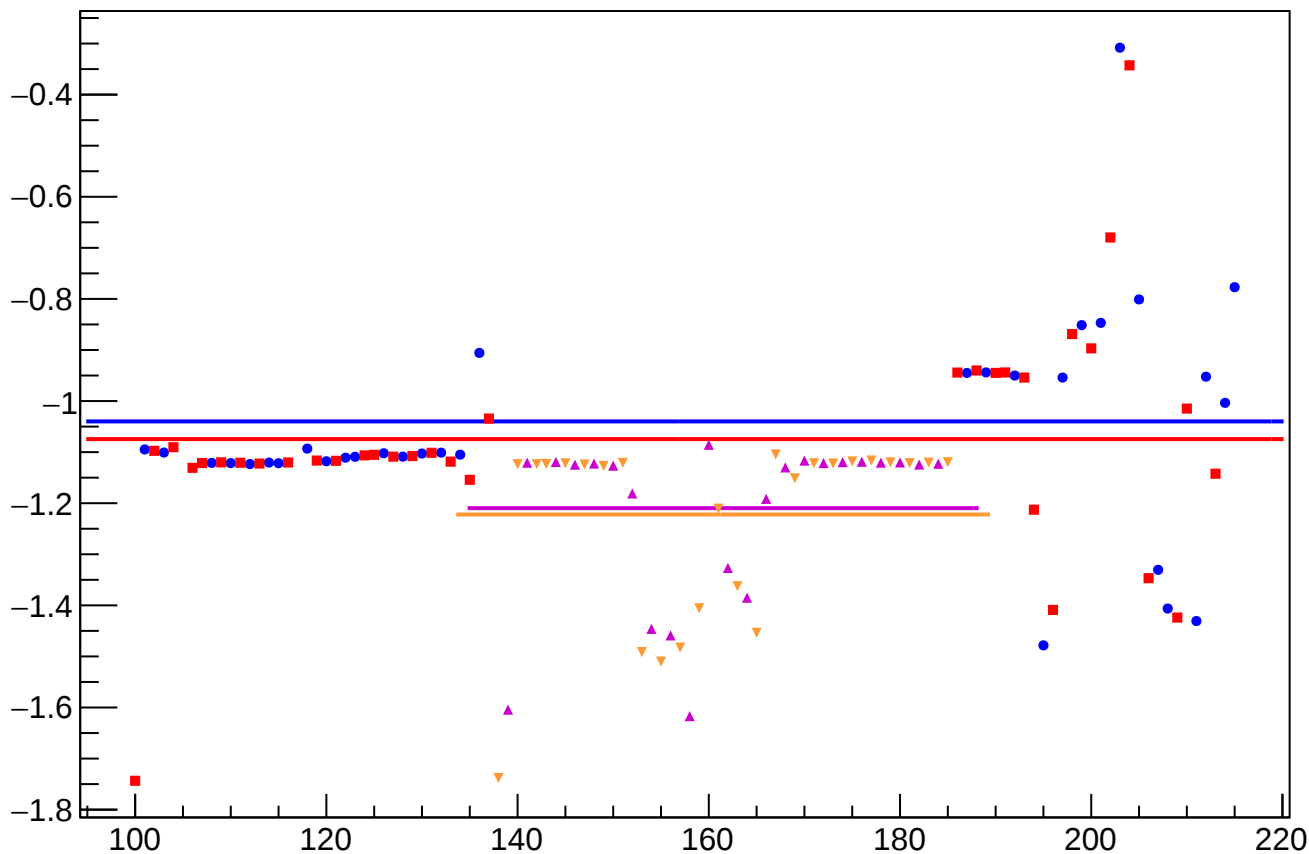
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 10866497.7/56

All: 0.003+/-0.000 χ^2/NDF : 19244724.7/113

- sign 0.003+/-0.000 χ^2/NDF : 8365778.5/56

yield_bpm0l10X_mean vs Slug



Right In: -1.040+/-0.000 χ^2/NDF : 5871868532.3/31

Left Out: -1.222+/-0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.074+/-0.000 χ^2/NDF : 4662734096.5/33

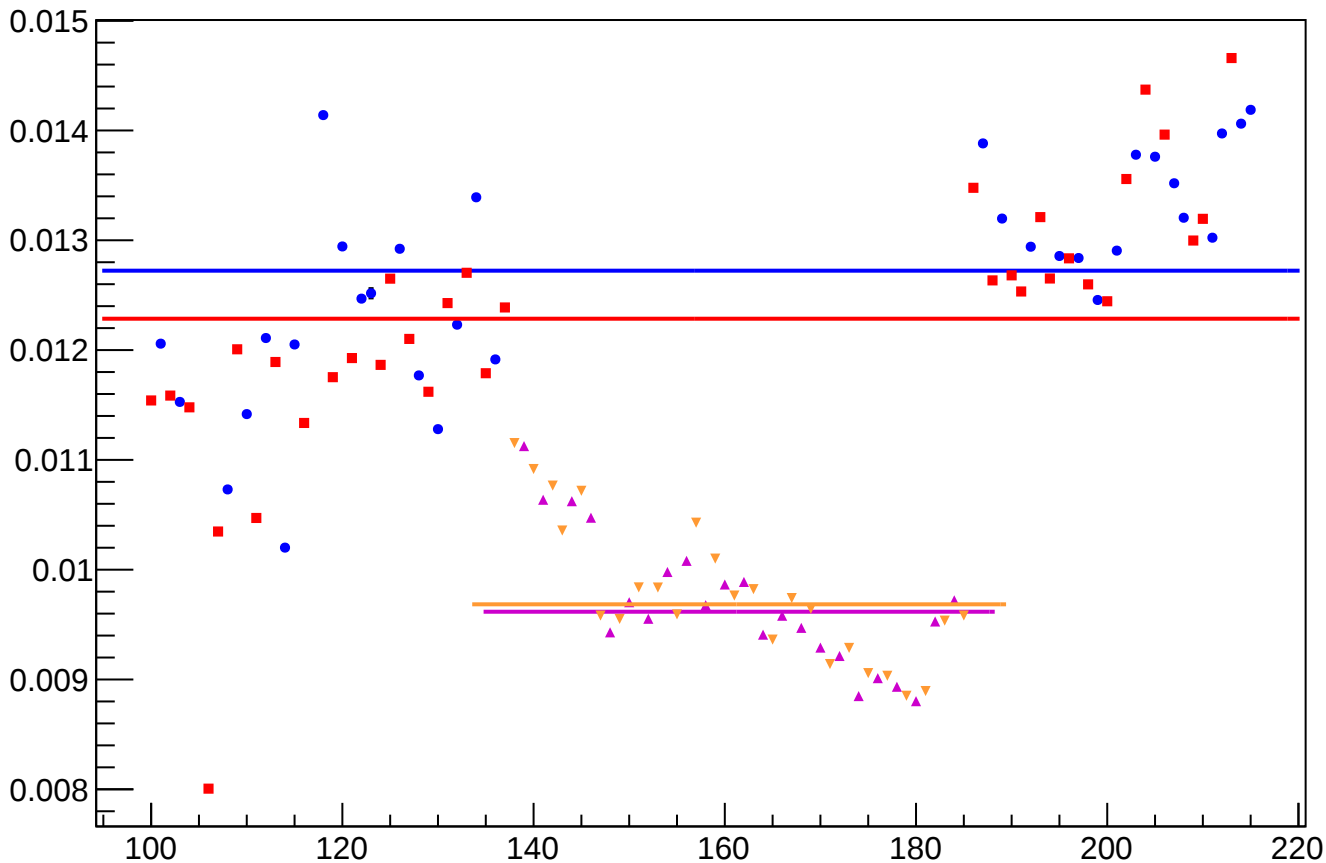
Left In: -1.210+/-0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.158+/-0.000 χ^2/NDF : 13377557296.3/56

All: -1.158+/-0.000 χ^2/NDF : 23795878491.1/104

- sign -1.159+/-0.000 χ^2/NDF : 10418202020.7/56

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: 370696.5/33

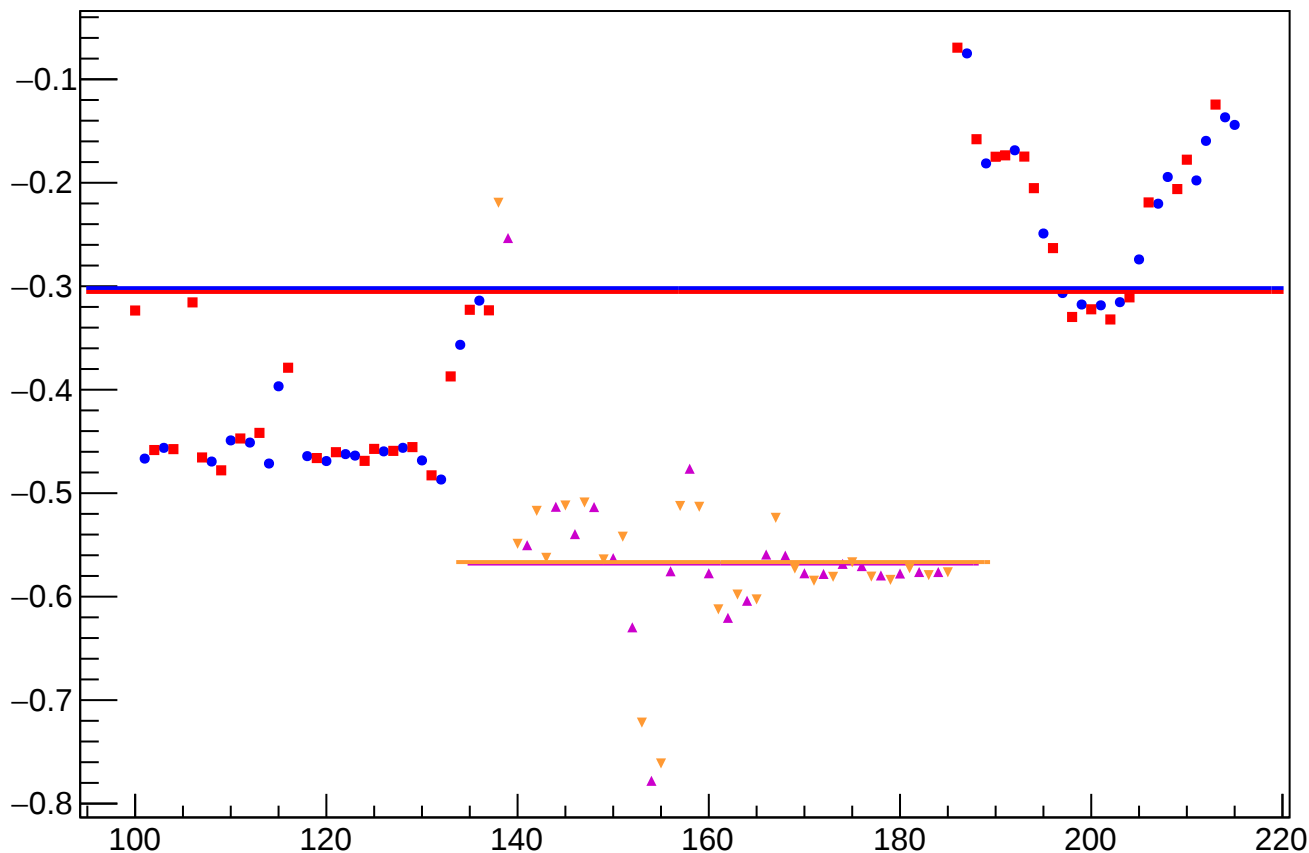
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1549319.9/56

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3021326.3/113

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1466819.3/56

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: -0.305 ± 0.000 χ^2/NDF : 14327710948.8/33

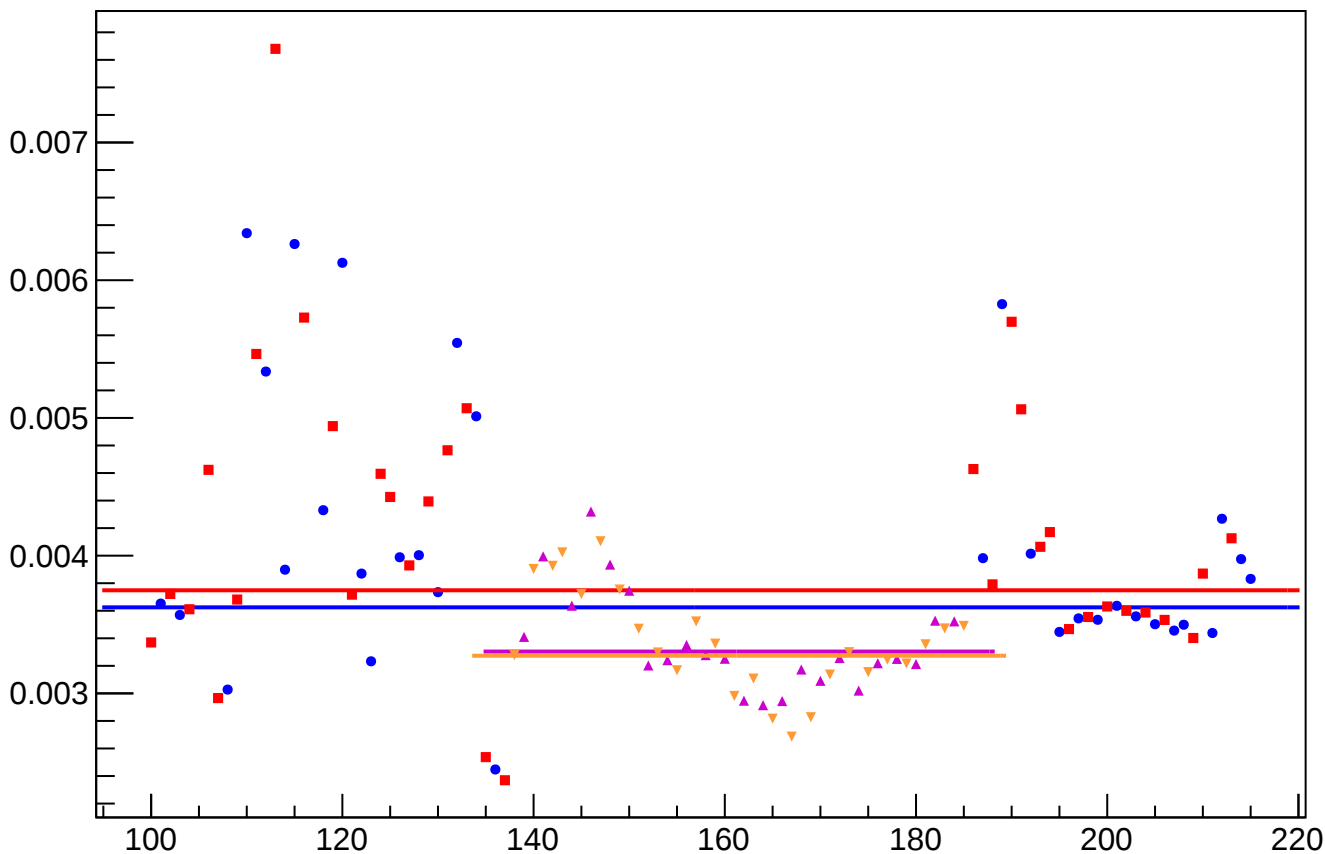
Left In: -0.568 ± 0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.454 ± 0.000 χ^2/NDF : 75697532982.8/56

All: -0.455 ± 0.000 χ^2/NDF : 144047874245.4

- sign -0.456 ± 0.000 χ^2/NDF : 683444461601.1/56

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1052063.4/31

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1099126.3/33

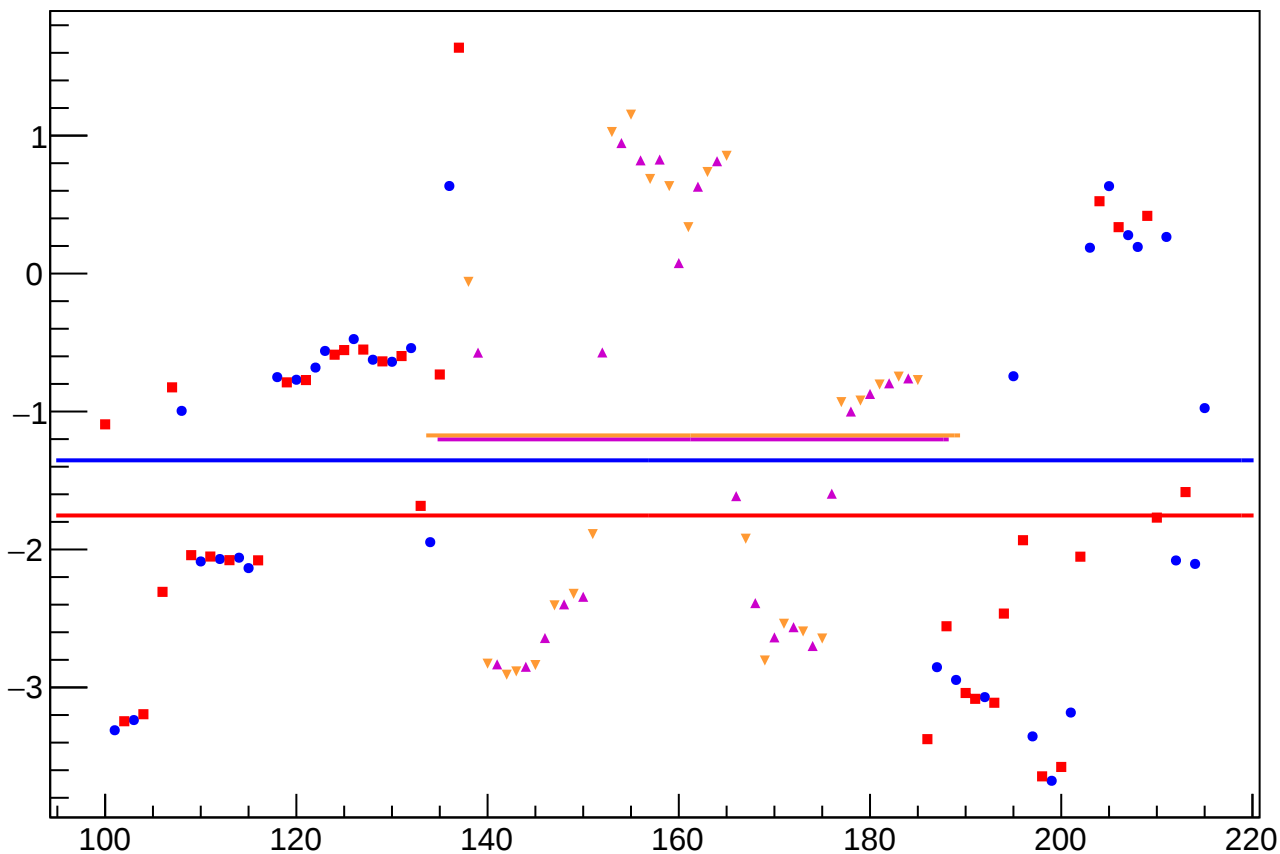
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1615445.4/56

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3264192.7/113

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1635338.9/56

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: -1.754+/-0.000 χ^2/NDF : 5219550970.3/33

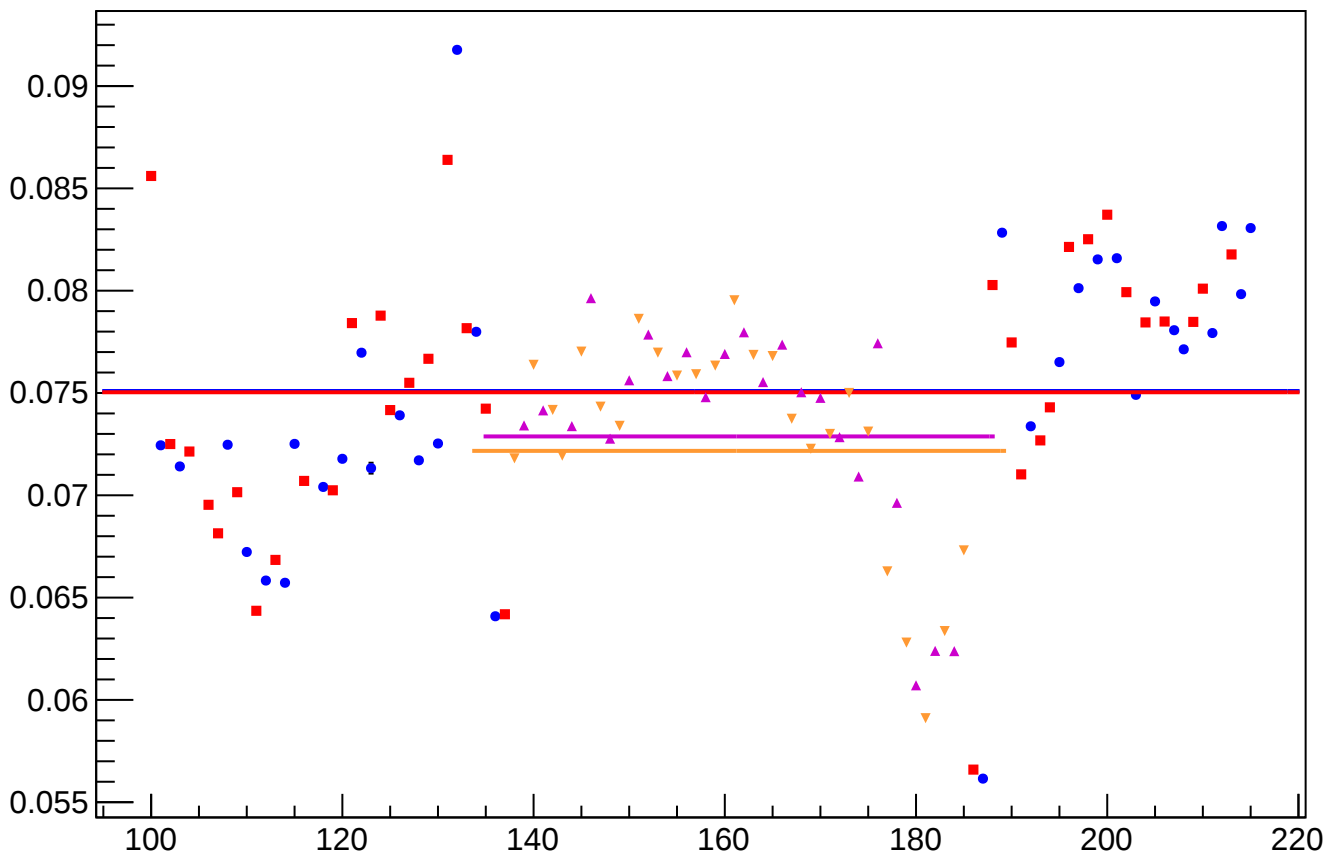
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.257+/-0.000 χ^2/NDF : 13173002873.7/56

All: -1.361+/-0.000 χ^2/NDF : 24614400714.7/100

- sign -1.470+/-0.000 χ^2/NDF : 11298394995.9/56

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 : 251904.3/33

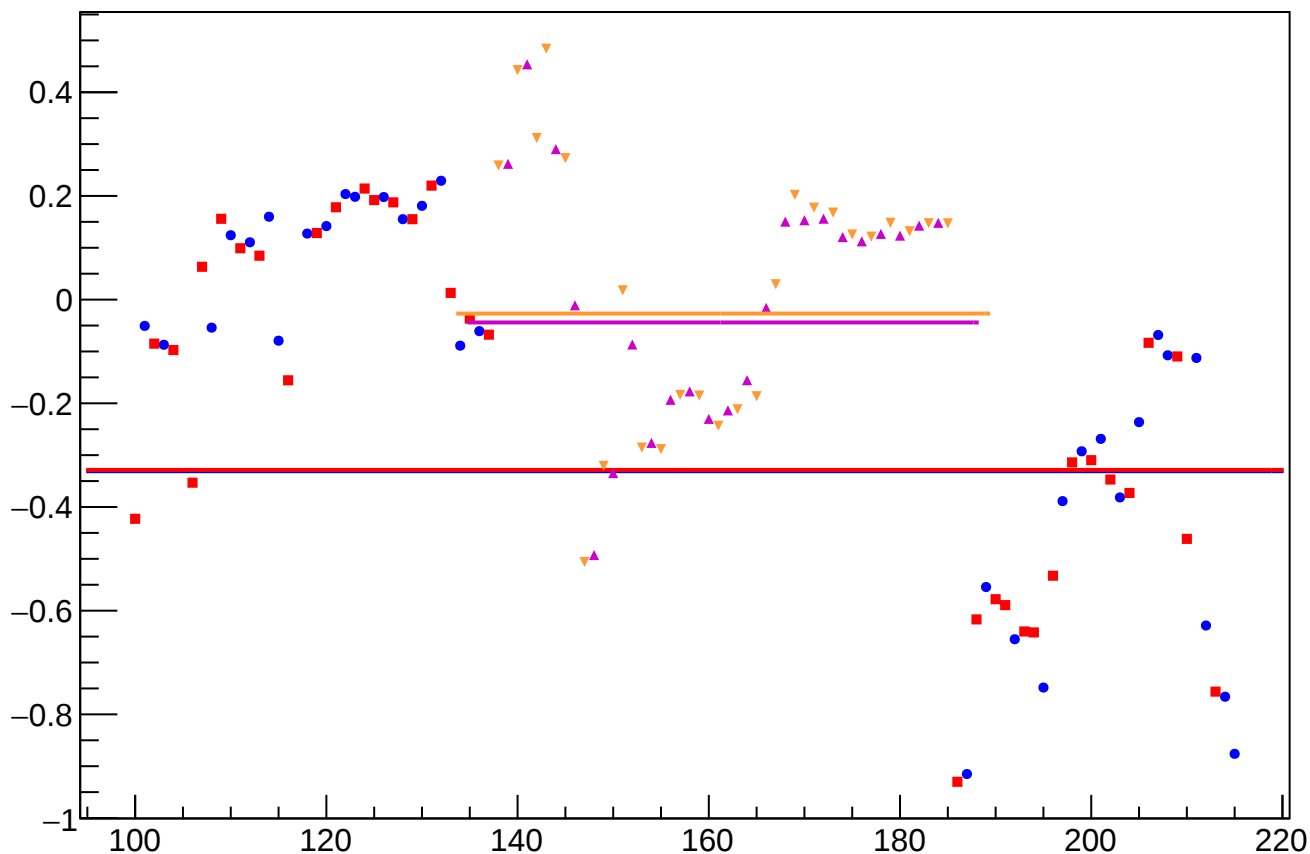
Left In: 0.073+/-0.000 χ^2/NDF : 183503.0/22

+ sign 0.074+/-0.000 χ^2/NDF : 480558.4/56

All: 0.074+/-0.000 χ^2/NDF : 931387.7/113

- sign 0.074+/-0.000 χ^2/NDF : 449862.1/56

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: -0.328 ± 0.000 χ^2/NDF : 15502810422.9/33

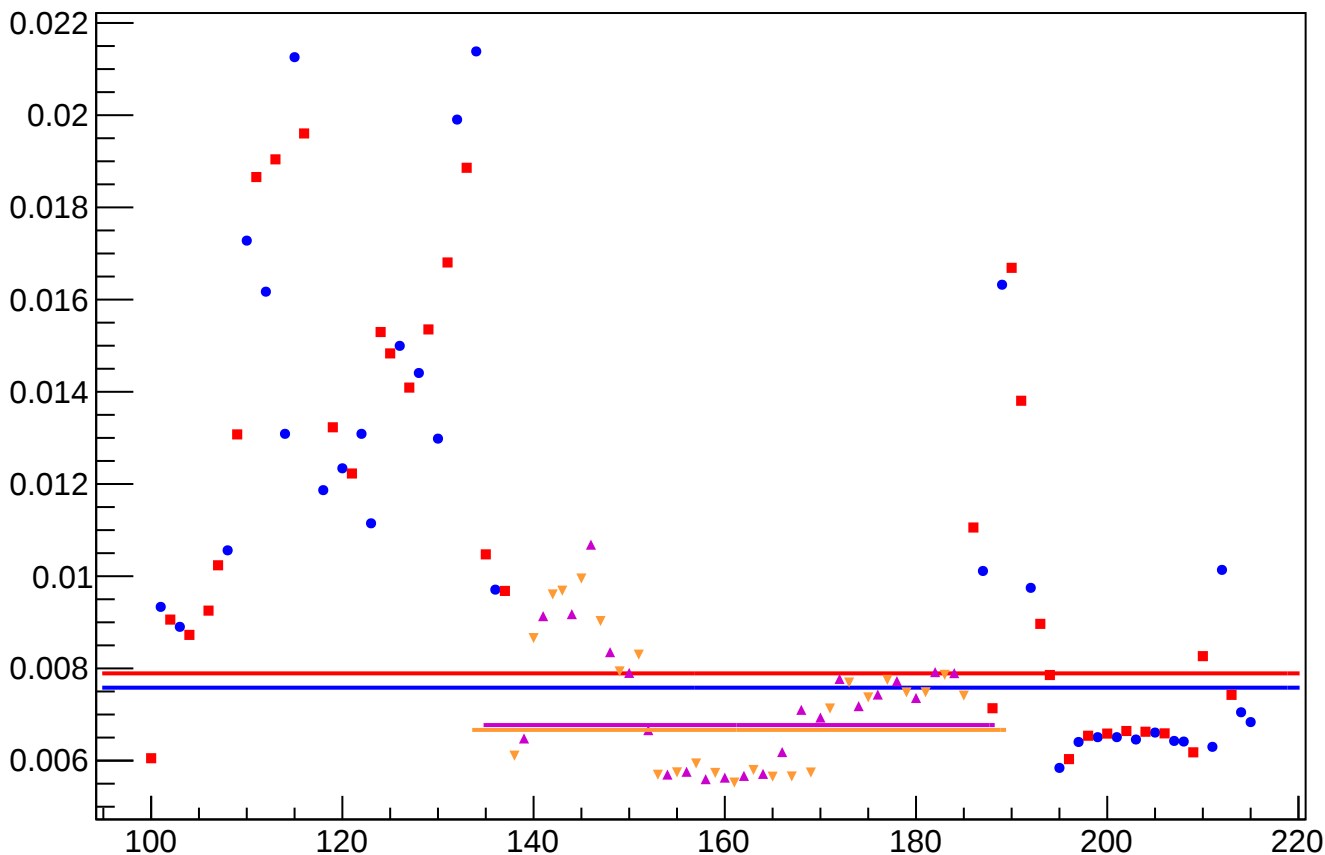
Left In: -0.044 ± 0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.151 ± 0.000 χ^2/NDF : 57241122069.5/56

All: -0.154 ± 0.000 χ^2/NDF : 99666435423.4/100

- sign -0.158 ± 0.000 χ^2/NDF : 42408903901.5/56

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2963149.6/31

Left Out: 0.007+/-0.000 χ^2/NDF :1143768.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3079831.8/33

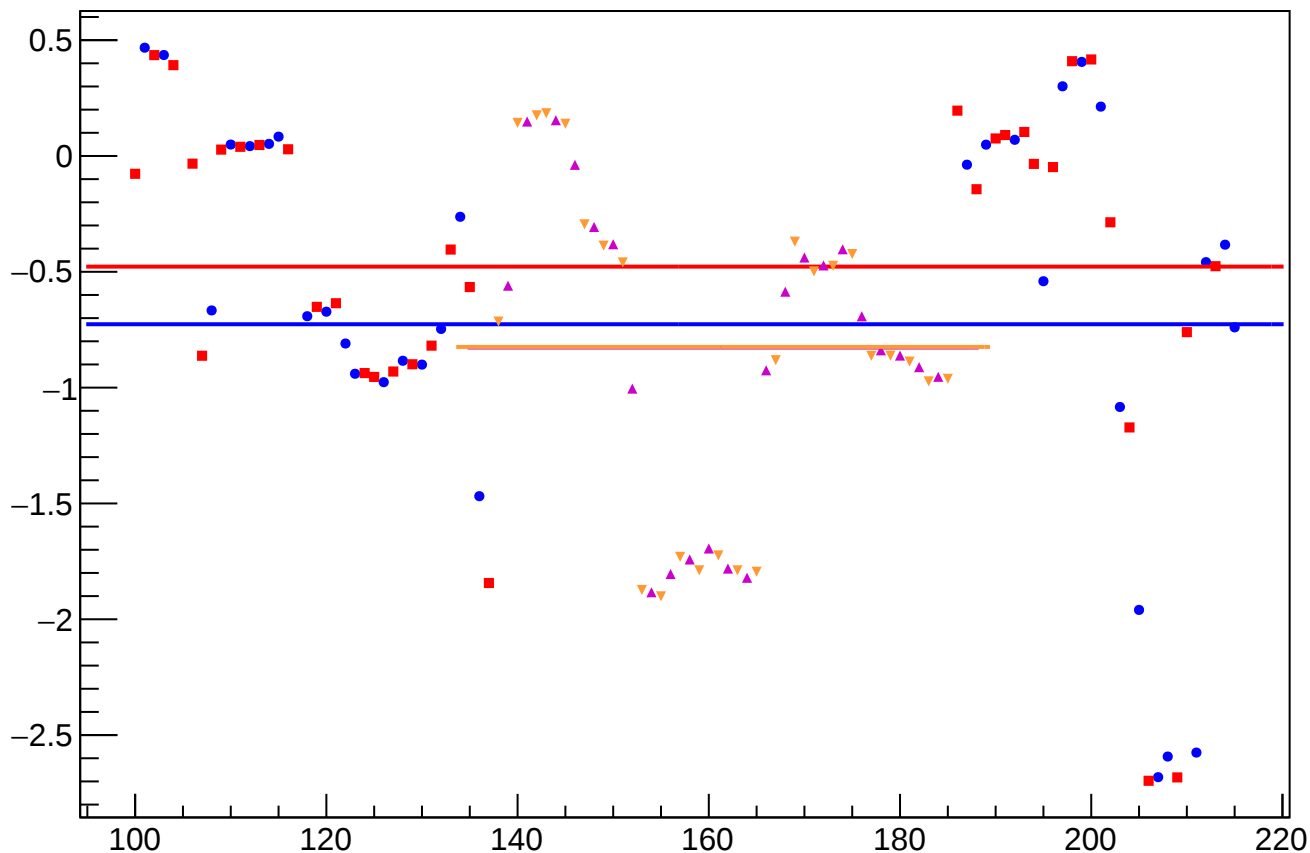
Left In: 0.007+/-0.000 χ^2/NDF :934050.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 4365271.2/56

All: 0.007+/-0.000 χ^2/NDF : 8746654.8/113

- sign 0.007+/-0.000 χ^2/NDF : 4361393.5/56

yield_bpm0r05X_mean vs Slug



Right In: -0.726 ± 0.000 χ^2/NDF : 1766746051.3/31

Left Out: -0.824 ± 0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.478 ± 0.000 χ^2/NDF : 1474547095.8/33

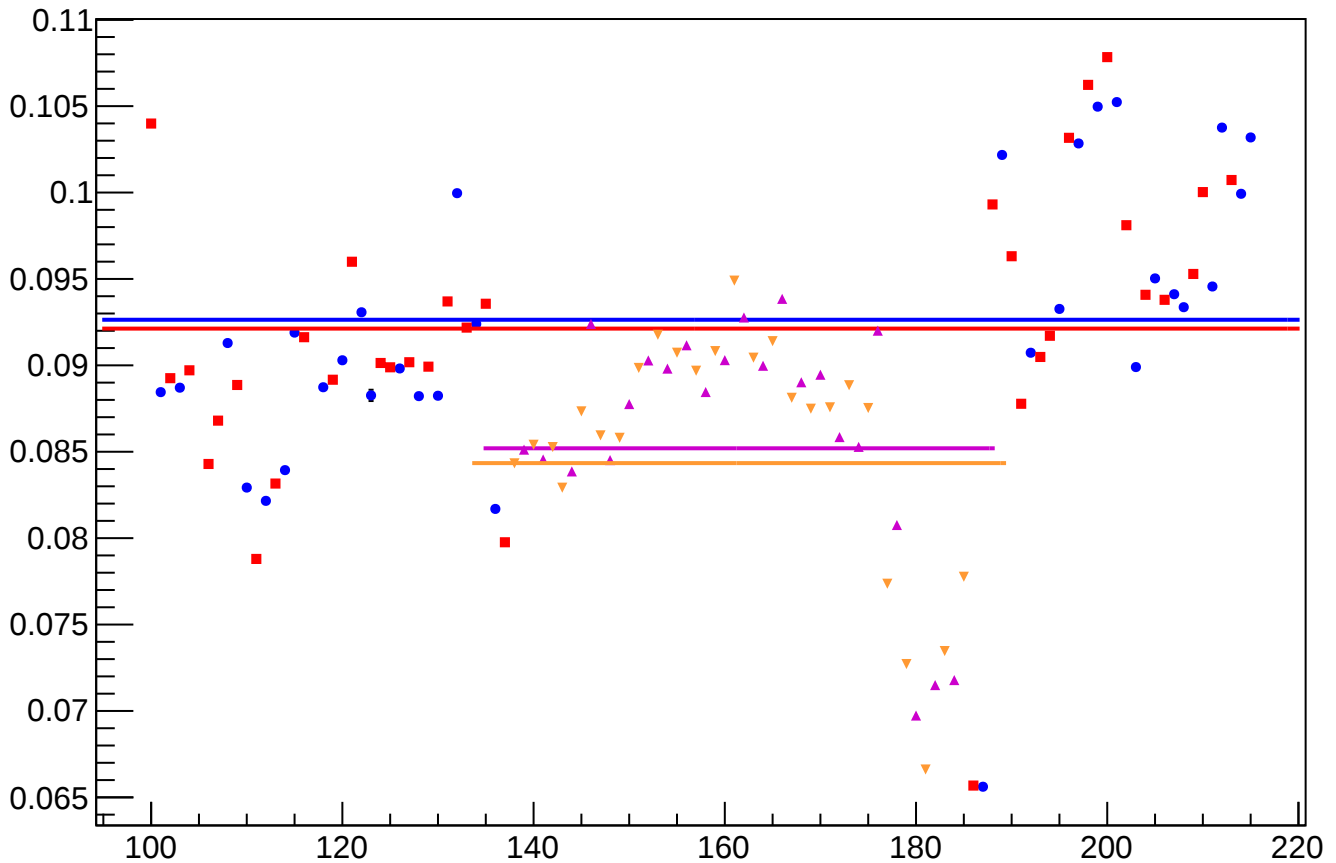
Left In: -0.827 ± 0.000 χ^2/NDF : 921651117.3/22

+ sign -0.781 ± 0.000 χ^2/NDF : 2881118433.4/56

All: -0.725 ± 0.000 χ^2/NDF : 5439616600.7/1

- sign -0.666 ± 0.000 χ^2/NDF : 2528825270.5/56

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: 0.092 $\pm$ 0.000 χ^2 /NDF: 304878.8/33

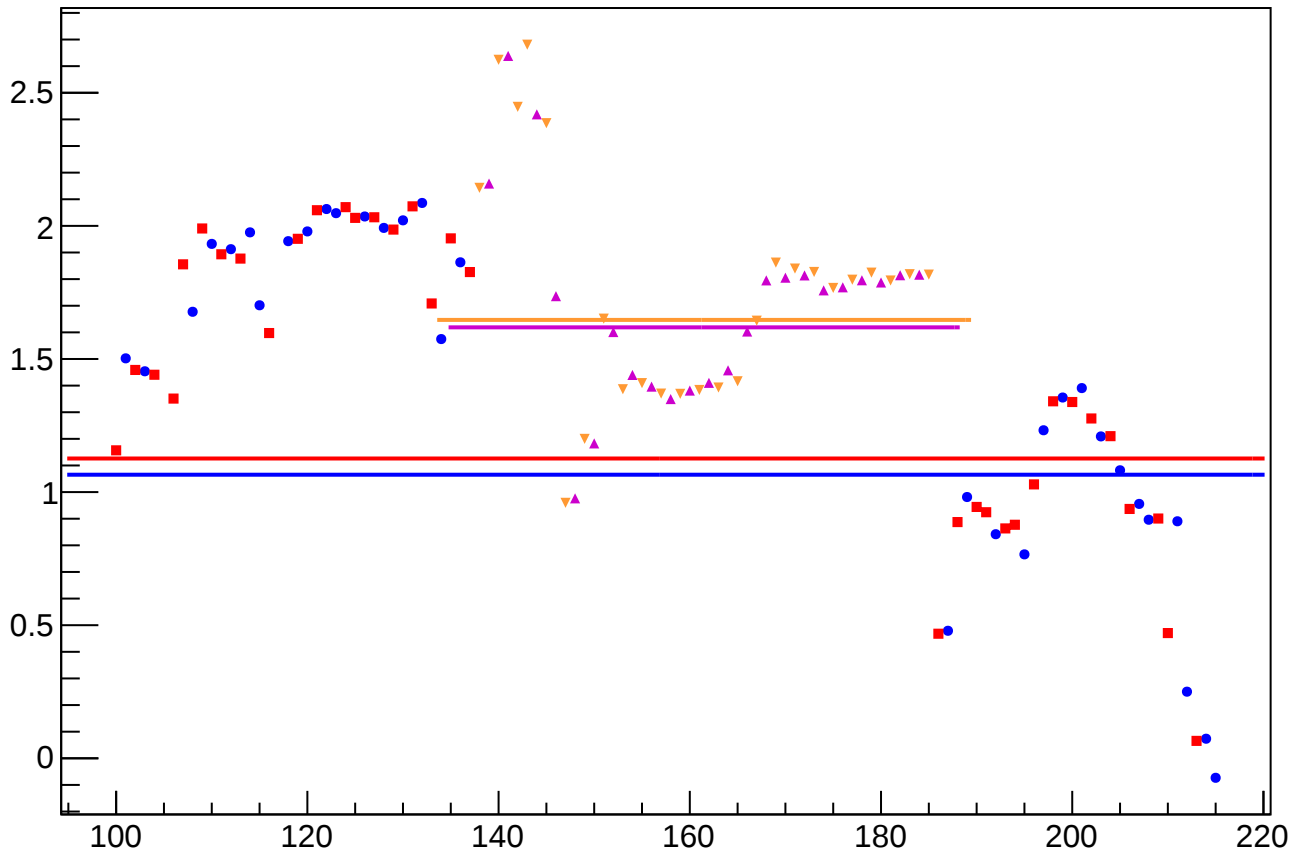
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 679965.1/56

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 1328160.8/113

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 647482.3/56

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: 1.126 $\pm$ 0.000 χ^2 /NDF: 24135203484.0/33

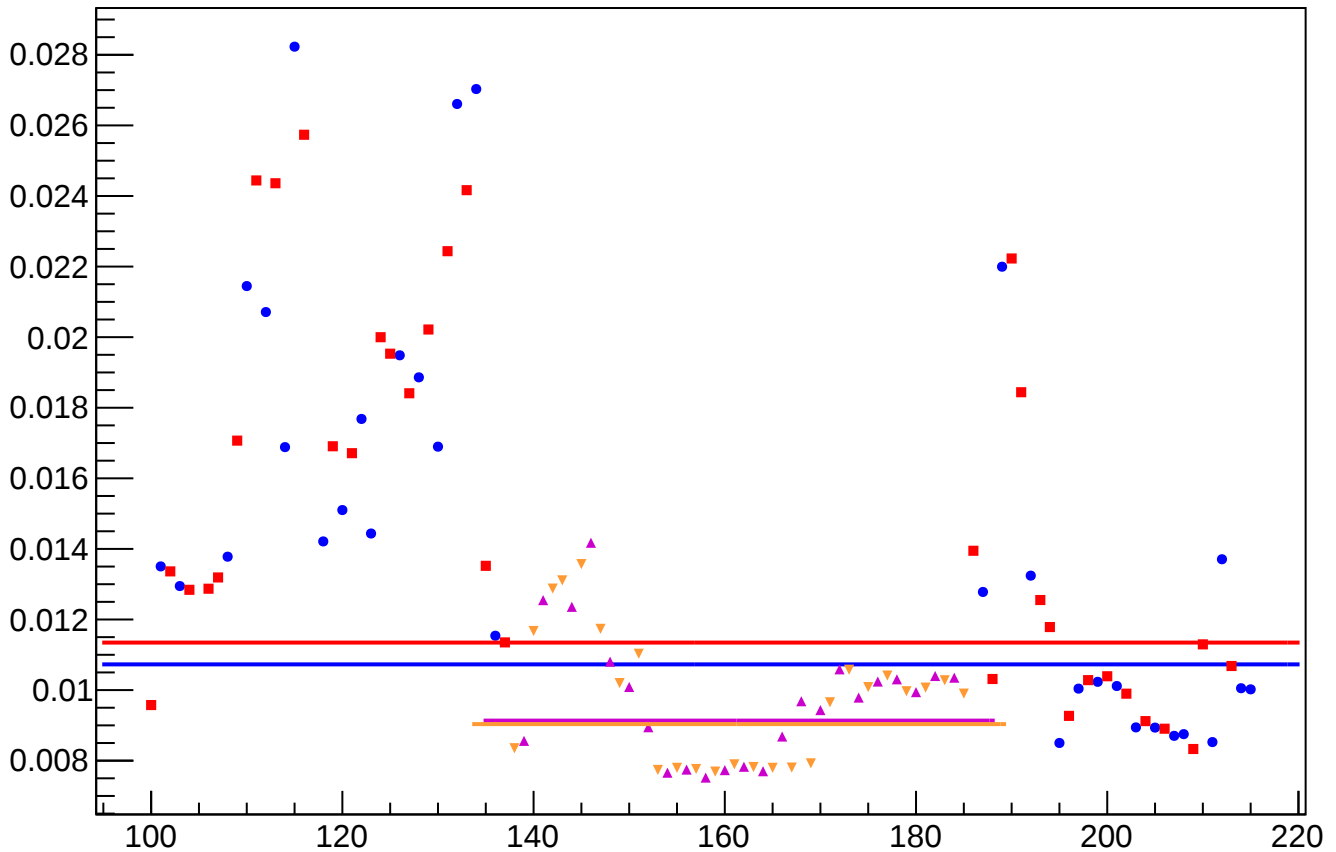
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.421 $\pm$ 0.000 χ^2 /NDF: 90709267326.5/56

All: 1.428 $\pm$ 0.000 χ^2 /NDF: 152862562326.0

- sign 1.435 $\pm$ 0.000 χ^2 /NDF: 62124168350.0/56

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2427009.9/31

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2529999.9/33

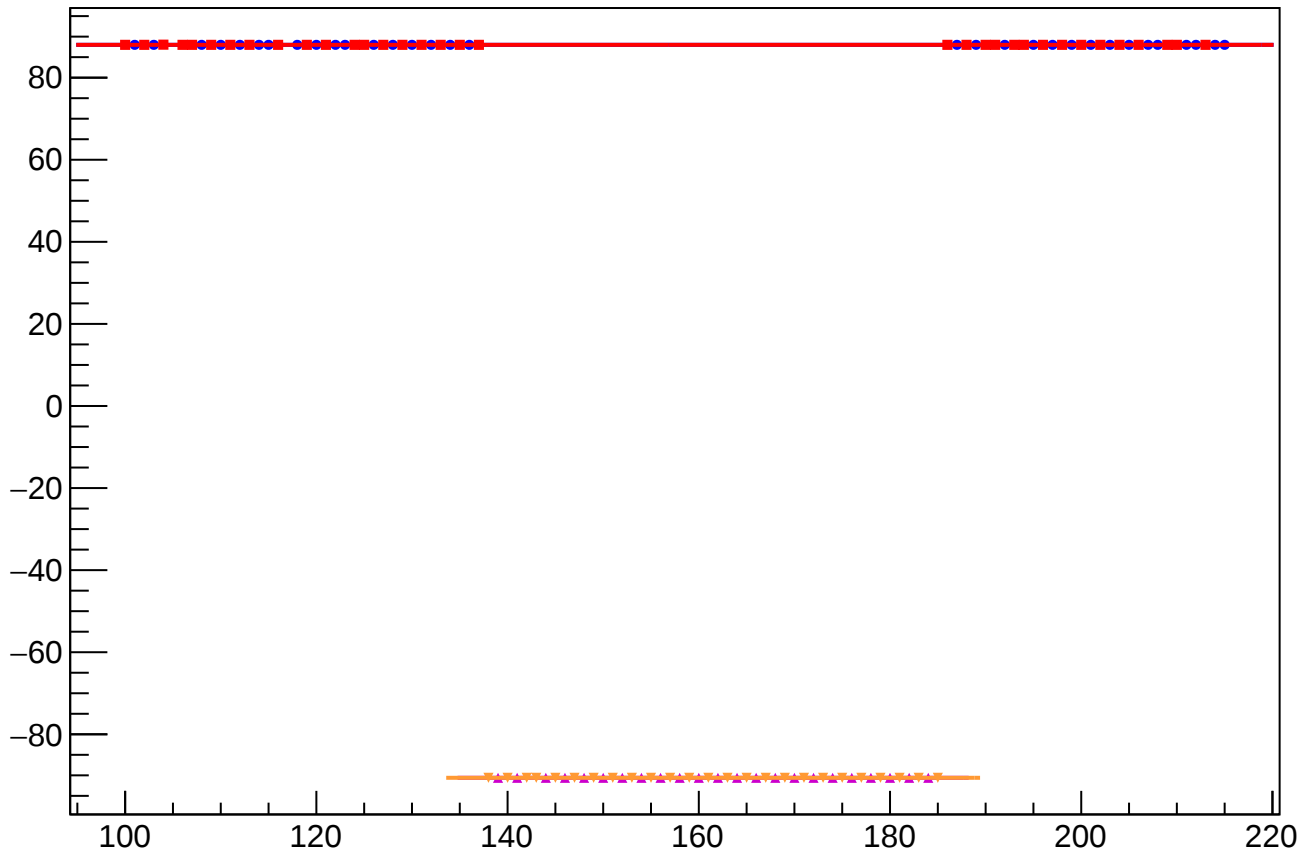
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3932509.1/56

All: 0.010+/-0.000 χ^2/NDF : 8064026.8/113

- sign 0.010+/-0.000 χ^2/NDF : 4108206.4/56

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: 81039712137946389306203439104.0/33

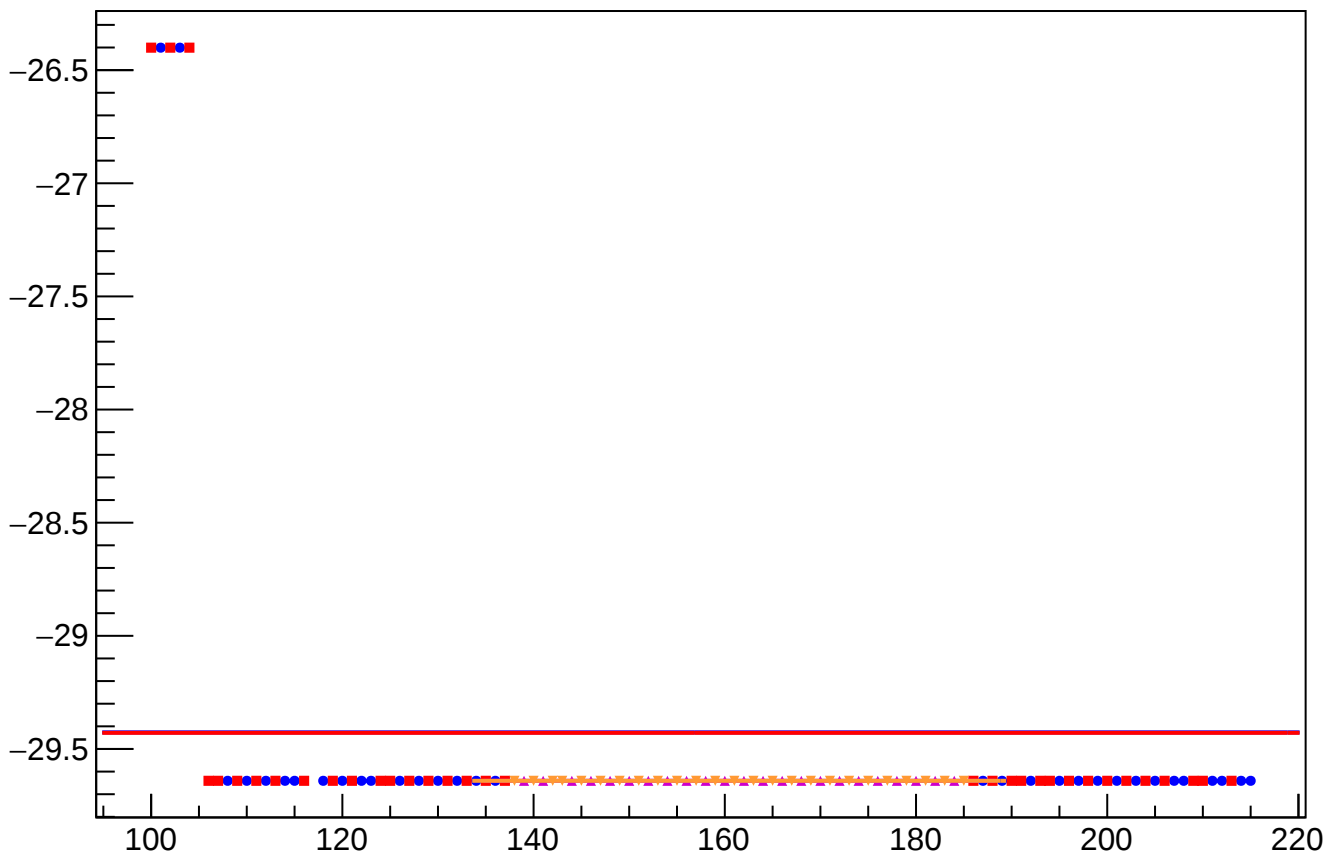
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -4.178 $\pm$ 0.000 χ^2 /NDF: 2940324742530477

All: -3.046 $\pm$ 0.000 χ^2 /NDF: 5787302468558

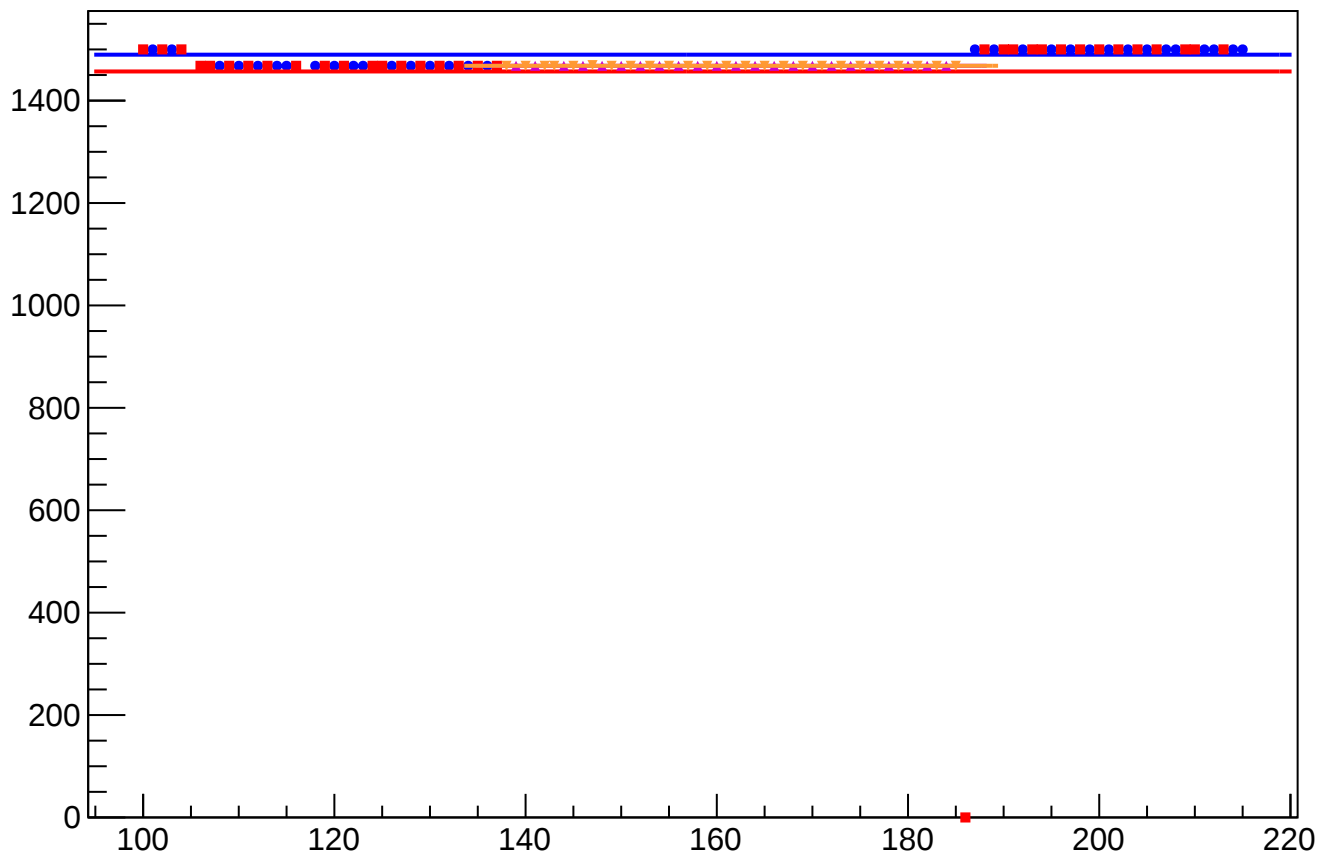
- sign -1.874 $\pm$ 0.000 χ^2 /NDF: 2846014370988725

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 + sign -29.537+/-0.000 χ^2/NDF : 119911545012190
 Right Out: -29.429+/-0.000 χ^2/NDF : 1138051151269020880481693009444864.0/33 All: -29.536+/-0.000 χ^2/NDF : 237726393917
 Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22 - sign -29.535+/-0.000 χ^2/NDF : 1178143089044524

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: 1456.943+/-0.000 χ^2/NDF : 82831314757245295880748752022951428096.0/33

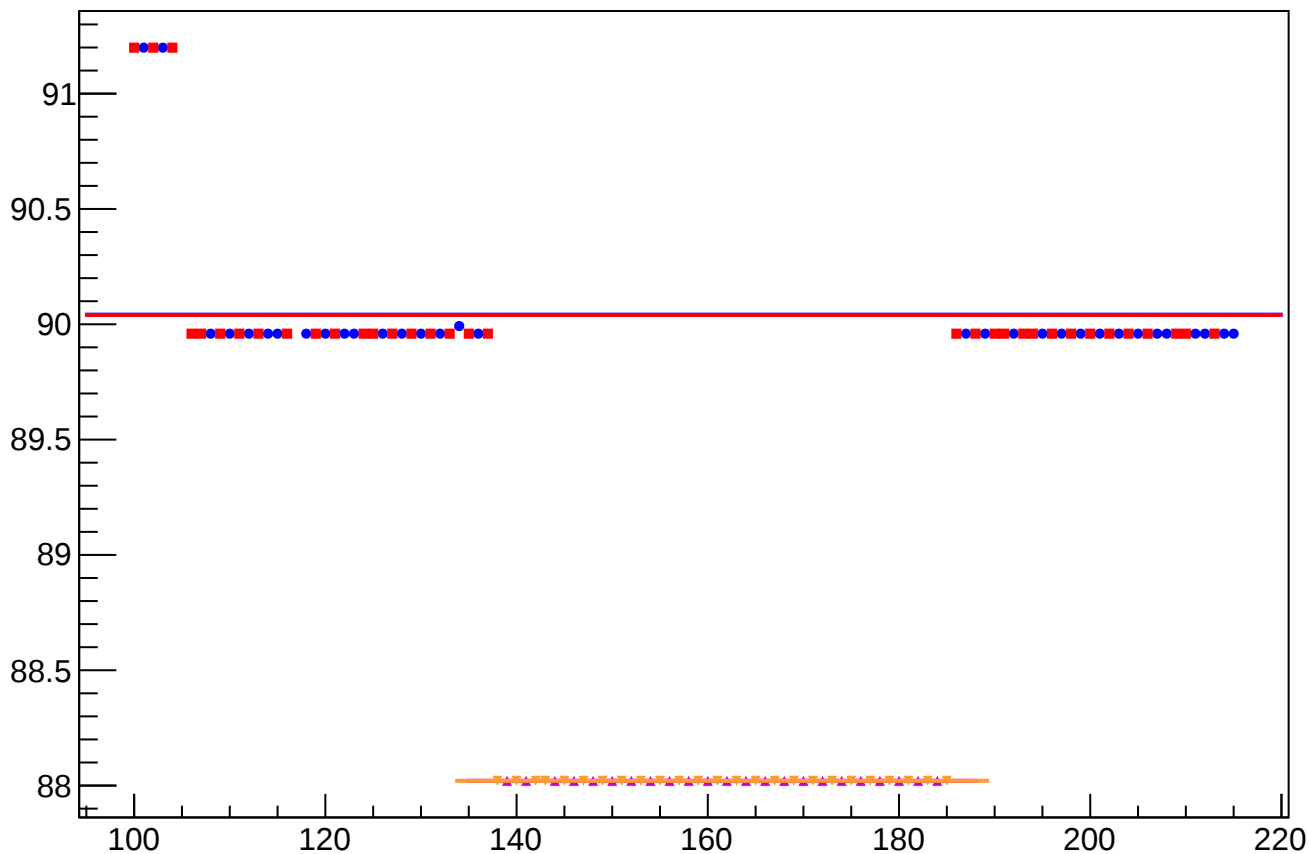
Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22

+ sign 1478.538+/-0.000 χ^2/NDF : 83242787341947

All: 1470.656+/-0.000 χ^2/NDF : 84239181852

- sign 1462.504+/-0.000 χ^2/NDF : 82940262615086

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: 90.040 $\pm$ 0.000 χ^2 /NDF: 166692143936874971510791865368576.0/33

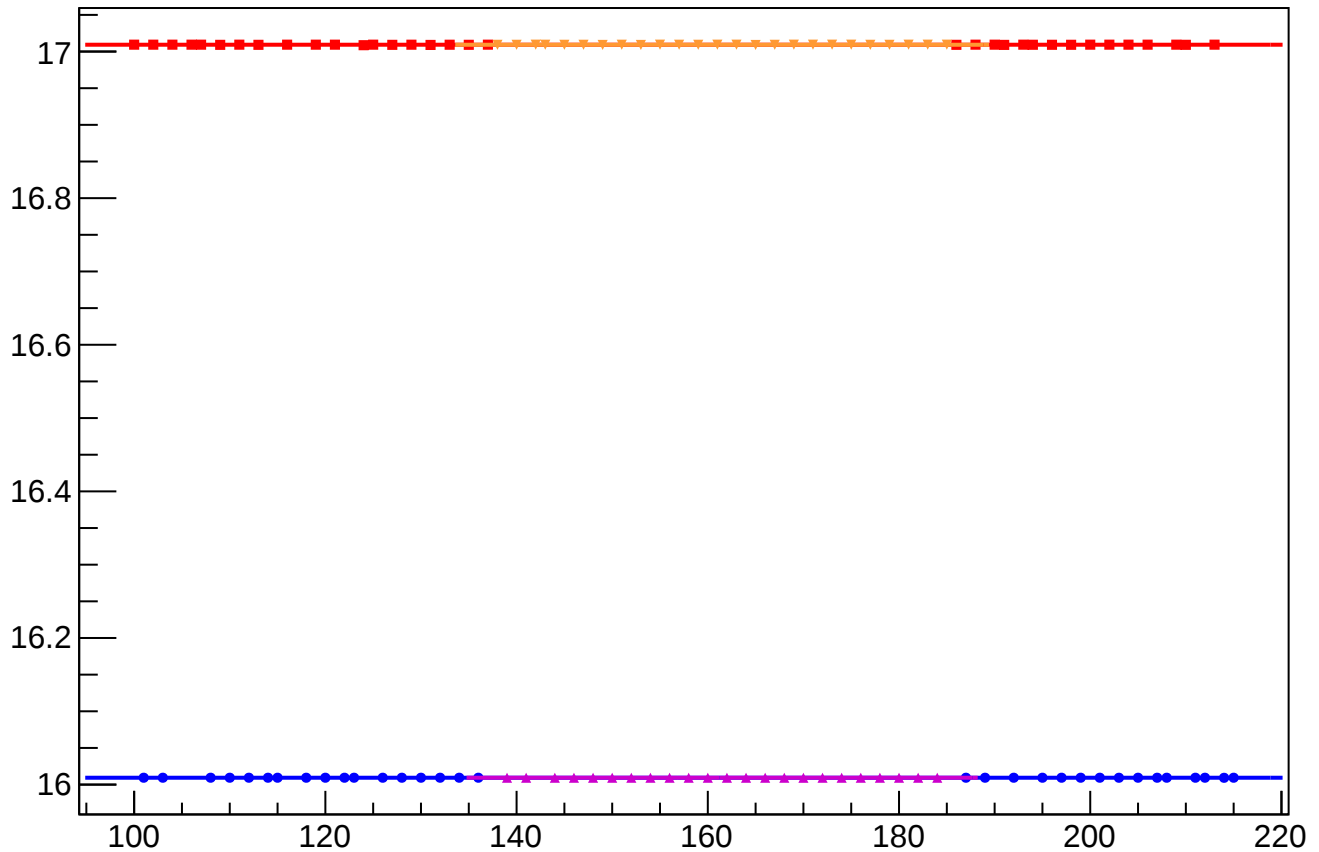
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22

+ sign 88.999 $\pm$ 0.000 χ^2 /NDF: 3934017487981892

All: 89.011 $\pm$ 0.000 χ^2 /NDF: 7741470237021

- sign 89.024 $\pm$ 0.000 χ^2 /NDF: 3806275063482549

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: 20535813240298827063230464.0/33

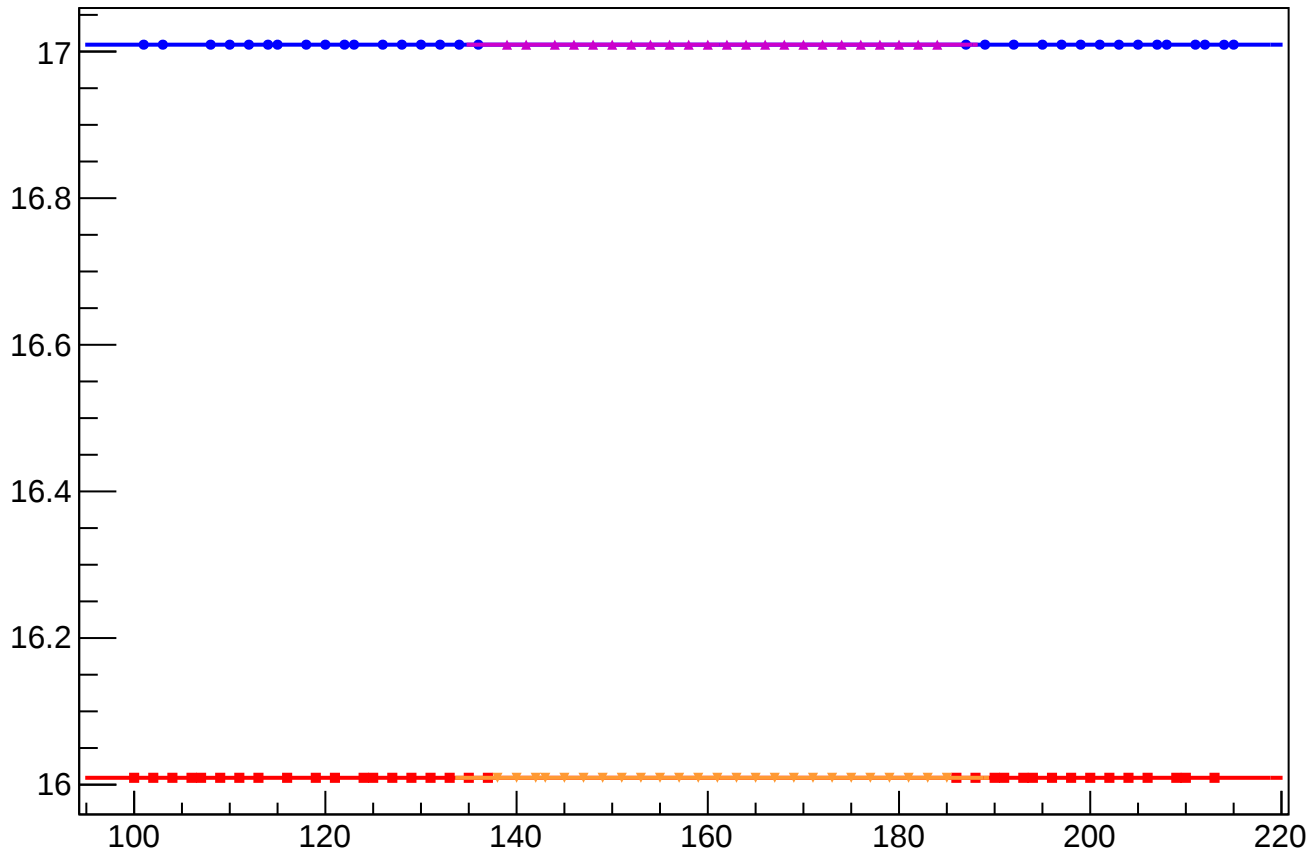
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.512 $\pm$ 0.000 χ^2 /NDF: 8807999920887588

All: 16.513 $\pm$ 0.000 χ^2 /NDF: 1724092297155

- sign 16.515 $\pm$ 0.000 χ^2 /NDF: 8432725983180376

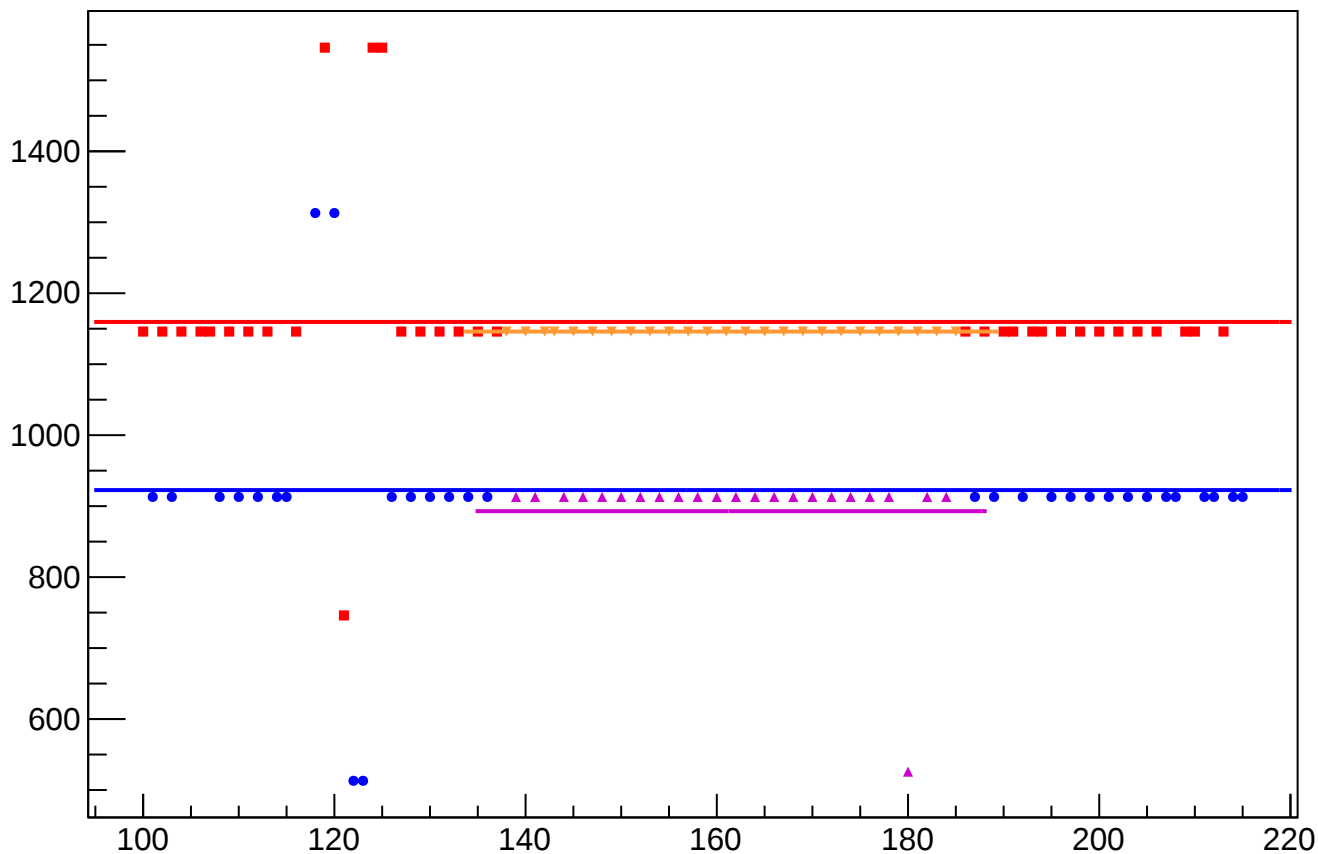
epics_IGL1I00OD16_16s_mean vs Slug



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: 302644.9/33
 Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.492 $\pm$ 0.000 χ^2 /NDF: 9076293965130230
 All: 16.499 $\pm$ 0.000 χ^2 /NDF: 1787280821493
 - sign 16.507 $\pm$ 0.000 χ^2 /NDF: 8792308680449428

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 922.625+/-0.000 χ^2/NDF : 21115715605555938737099509780793262080.0/31

+ sign 1037.919+/-0.000 χ^2/NDF : 67114338049253

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

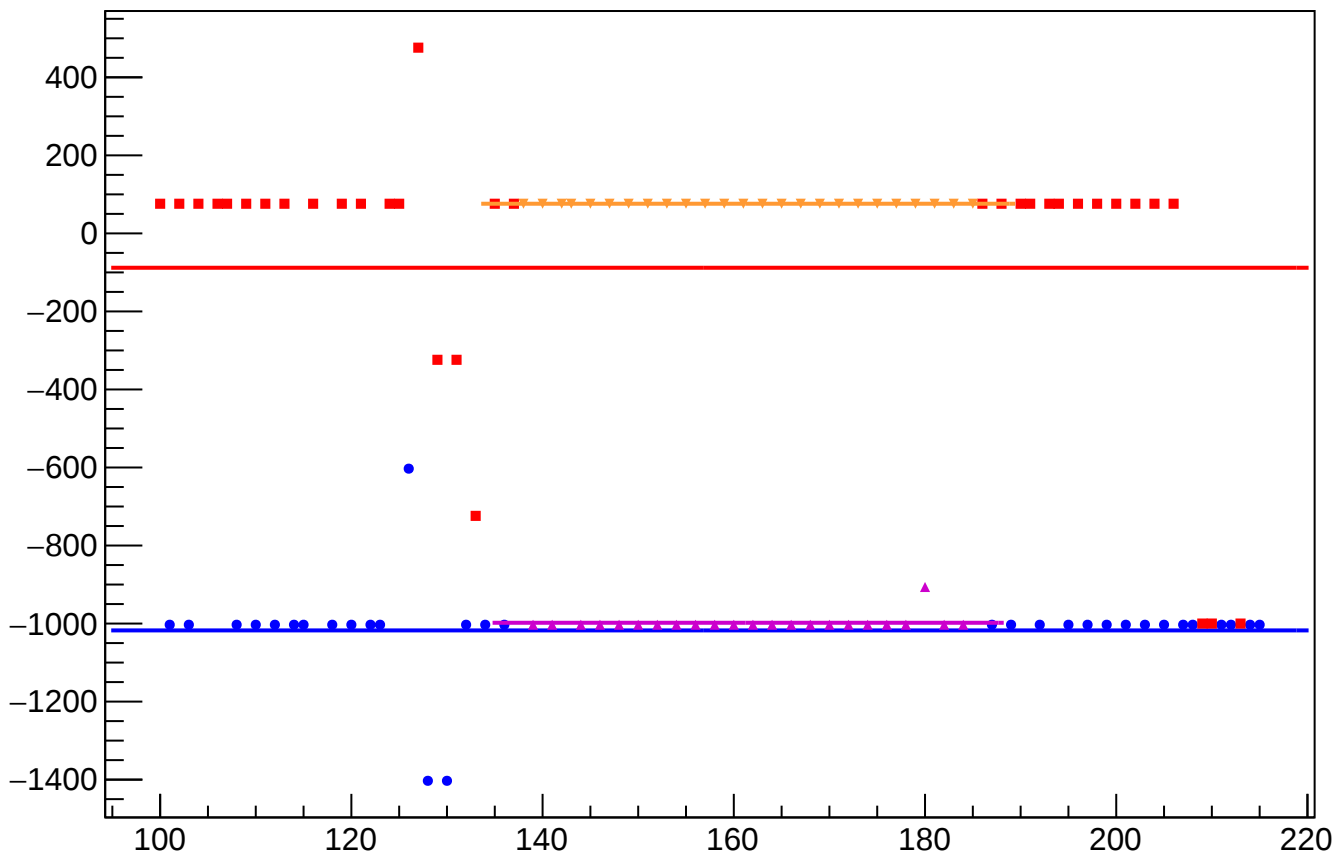
All: 1031.759+/-0.000 χ^2/NDF : 16578142673

Right Out: 1159.546+/-0.000 χ^2/NDF : 21755852214984316784798186999210049536.0/33

- sign 1025.389+/-0.000 χ^2/NDF : 98382219911790

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

epics_RTPAPOSVCNTs_mean vs Slug



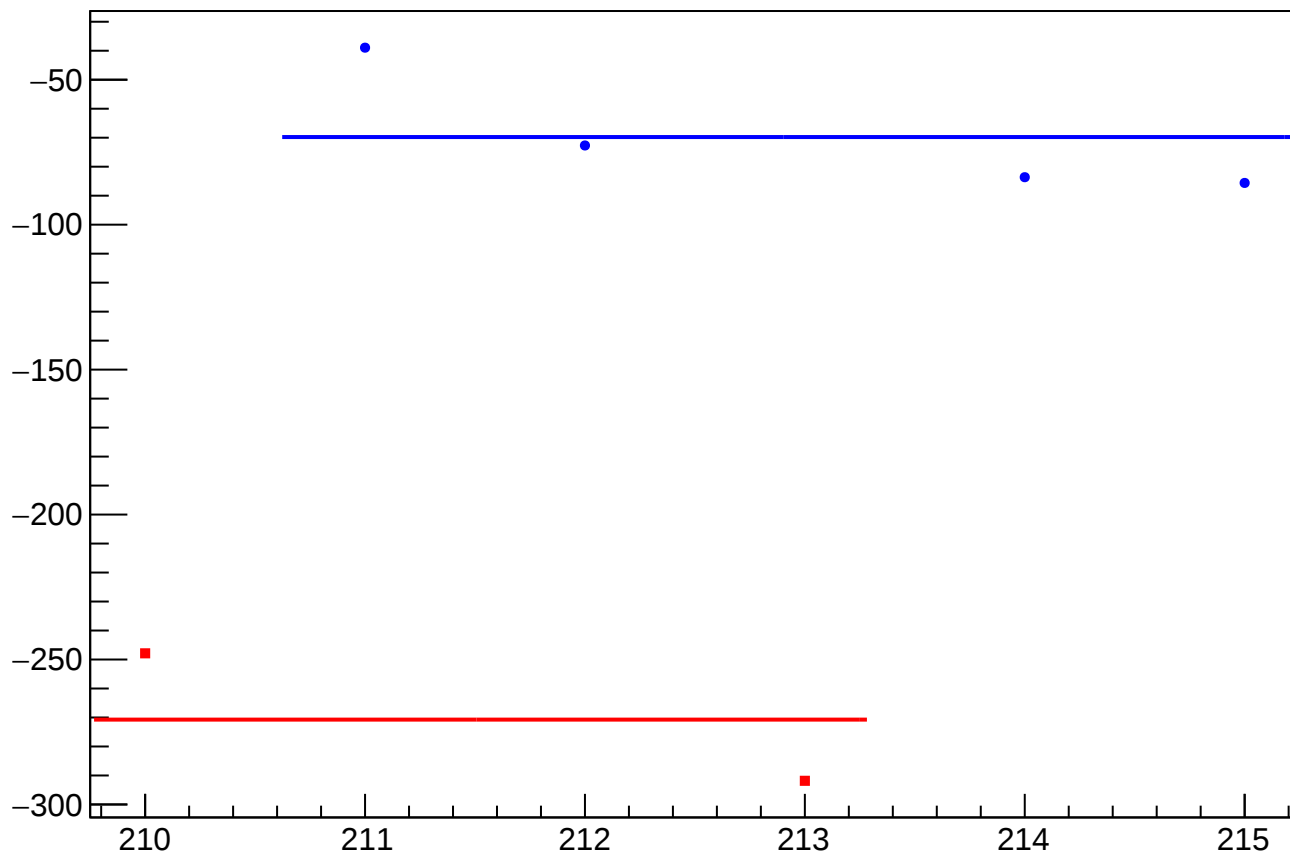
Right In: -1017.547 $\pm$ 0.000 χ^2 /NDF: 22821183713305920842493302895435317248.0/31

Left Out: 76.011 $\pm$ 0.000 χ^2 /NDF: 11479003589933272170007363584.0/24 + sign -453.139 $\pm$ 0.000 χ^2 /NDF: 11251613110965

Right Out: -88.061 $\pm$ 0.000 χ^2 /NDF: 259809232483906796704877021850469662720.0/33 All: -498.766 $\pm$ 0.000 χ^2 /NDF: 21401344814

Left In: -997.979 $\pm$ 0.000 χ^2 /NDF: 825858066518991041870194619245920256.0/22 - sign -545.952 $\pm$ 0.000 χ^2 /NDF: 999342882544885

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

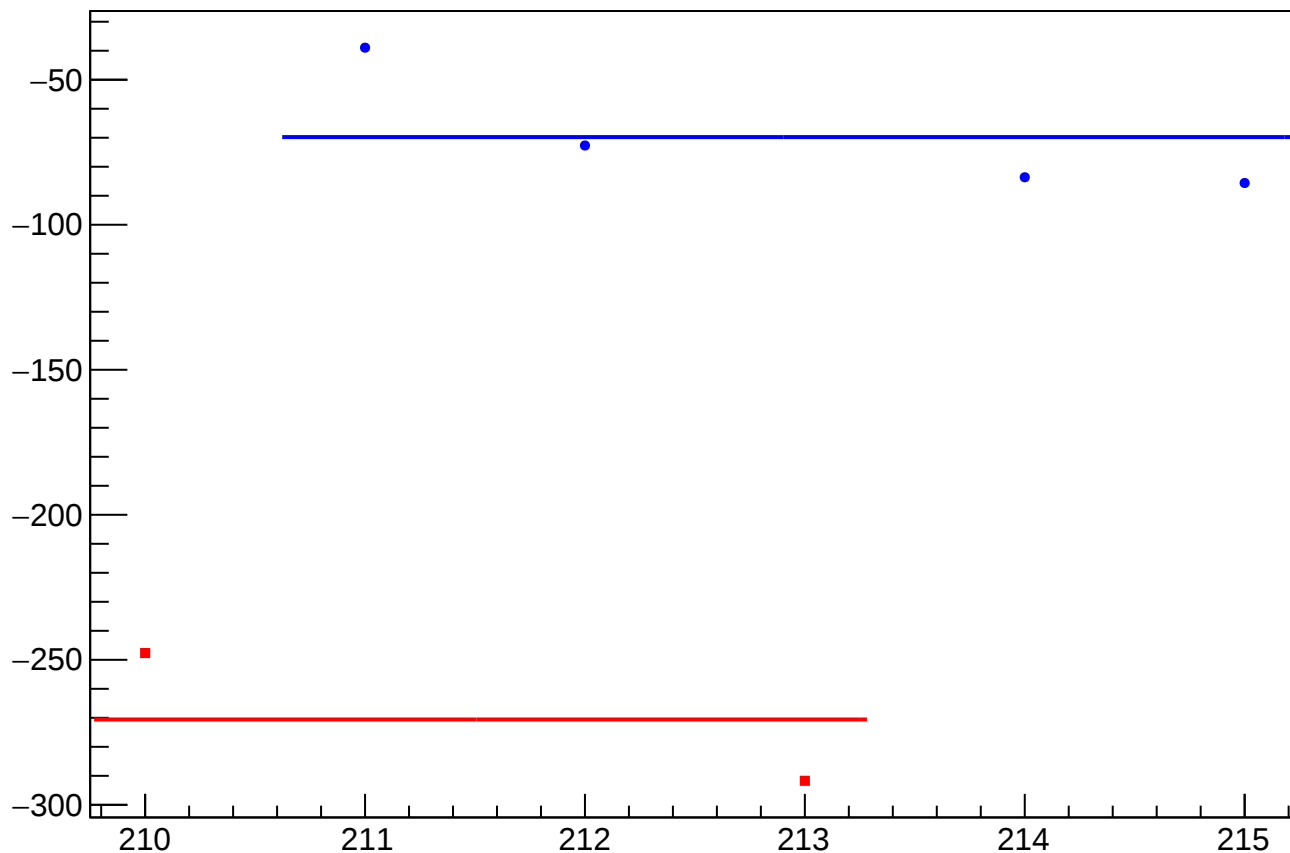
All: -137.209+/-0.000 χ^2/NDF : 42029800726

Right Out: -270.729+/-0.000 χ^2/NDF : 72391751130083692399004283901575168.0/1

- 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: -137.157+/-0.000 χ^2/NDF : 41970247925

Right Out: -270.574+/-0.000 χ^2/NDF : 72629179805941194116968620035670016.0/1

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0