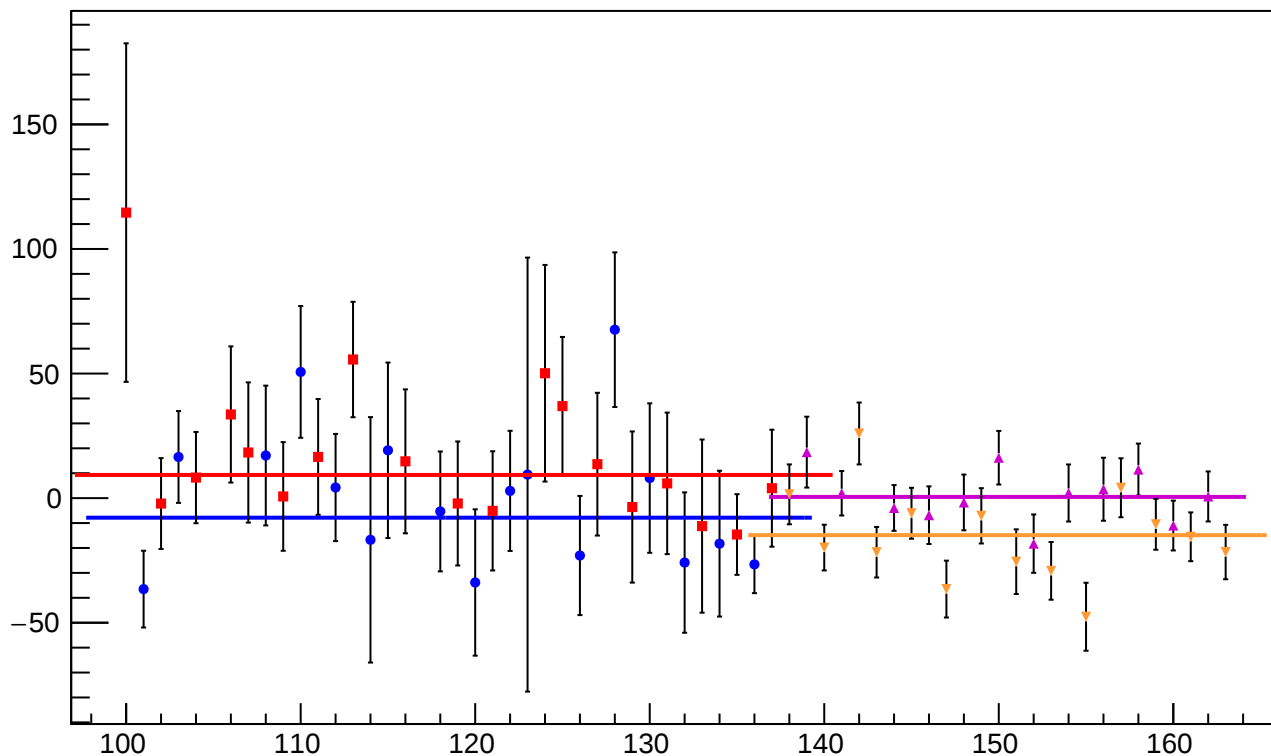


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.841 ± 5.608

$\chi^2/\text{NDF}: 22.6/16$

Left Out: -14.849 ± 2.953

$\chi^2/\text{NDF}: 29.4/13$

Right Out: 9.309 ± 5.677

$\chi^2/\text{NDF}: 13.2/18$

Left In: 0.495 ± 3.104

$\chi^2/\text{NDF}: 9.5/11$

Left: -7.560 ± 2.139

$\chi^2/\text{NDF}: 51.7/25$

Right: 0.629 ± 3.990

$\chi^2/\text{NDF}: 40.5/35$

In: -1.459 ± 2.716

$\chi^2/\text{NDF}: 33.8/28$

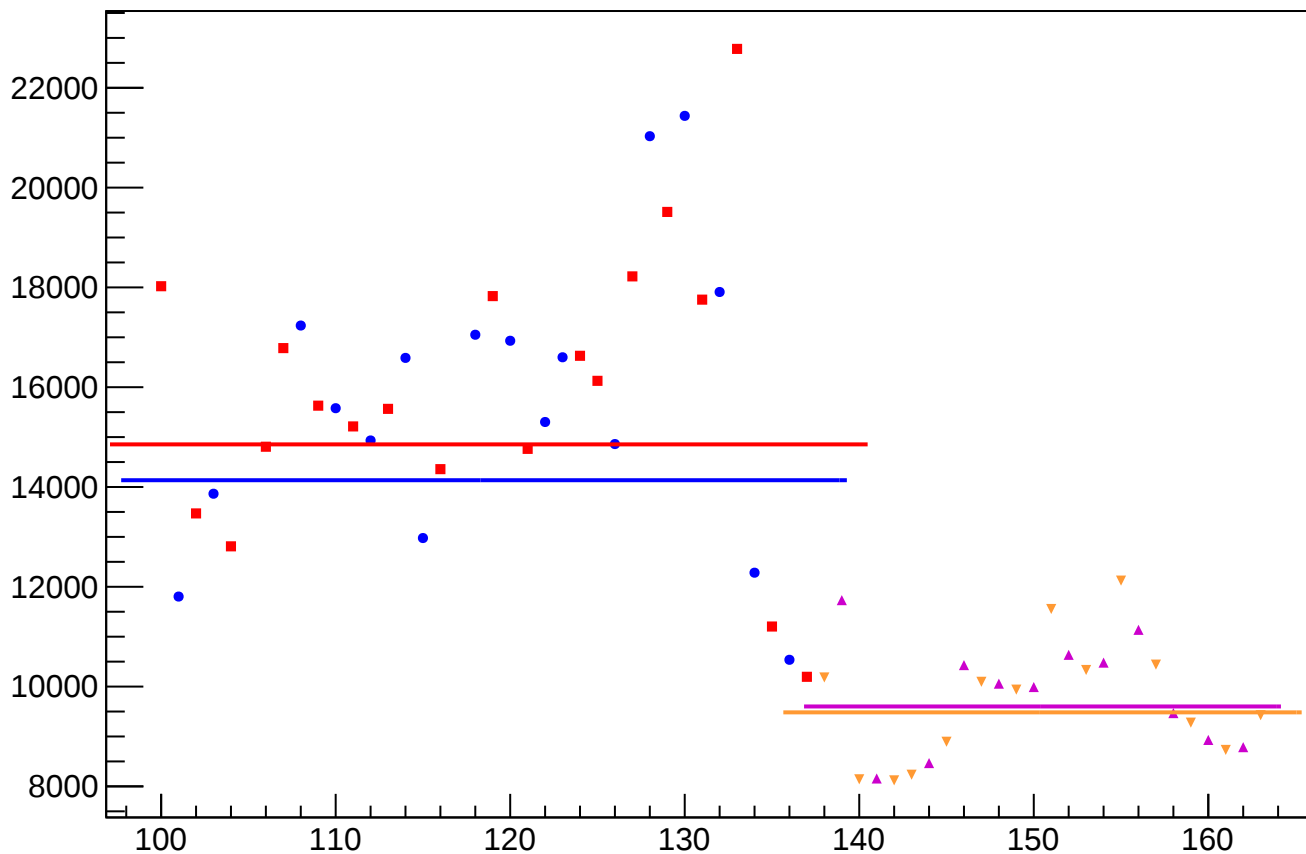
Out: -9.706 ± 2.620

$\chi^2/\text{NDF}: 56.8/32$

All: -5.731 ± 1.885

$\chi^2/\text{NDF}: 95.4/61$

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14135.800+/-3.966 χ^2/NDF : 597179.4/16

Left Out: 9483.310+/-2.088 χ^2/NDF : 282175.3/13

Right Out: 14854.033+/-4.014 χ^2/NDF : 472017.6/18

Left In: 9601.500+/-2.195 χ^2/NDF : 223555.1/11

Left: 9539.455+/-1.513 χ^2/NDF : 507252.8/25

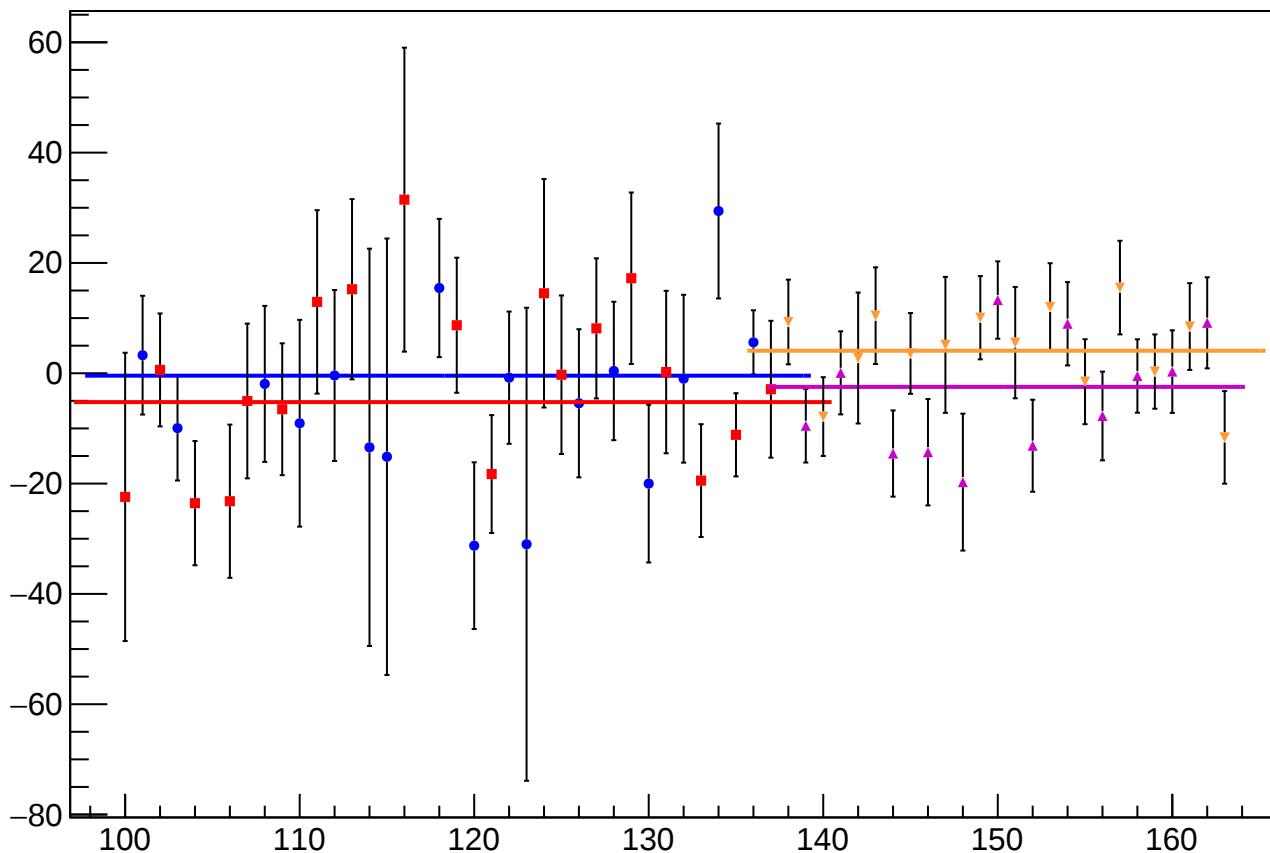
Right: 14490.533+/-2.821 χ^2/NDF : 1085397.6/35

In: 10664.678+/-1.920 χ^2/NDF : 1821528.8/28

Out: 10626.729+/-1.852 χ^2/NDF : 2163015.5/32

All: 10645.020+/-1.333 χ^2/NDF : 3984746.6/60

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.441 ± 3.071 χ^2/NDF : 14.5/16

Left Out: 4.084 ± 2.191 χ^2/NDF : 11.9/13

Right Out: -5.229 ± 2.936 χ^2/NDF : 19.4/18

Left In: -2.473 ± 2.256 χ^2/NDF : 18.7/11

Left: 0.901 ± 1.572 χ^2/NDF : 35.0/25

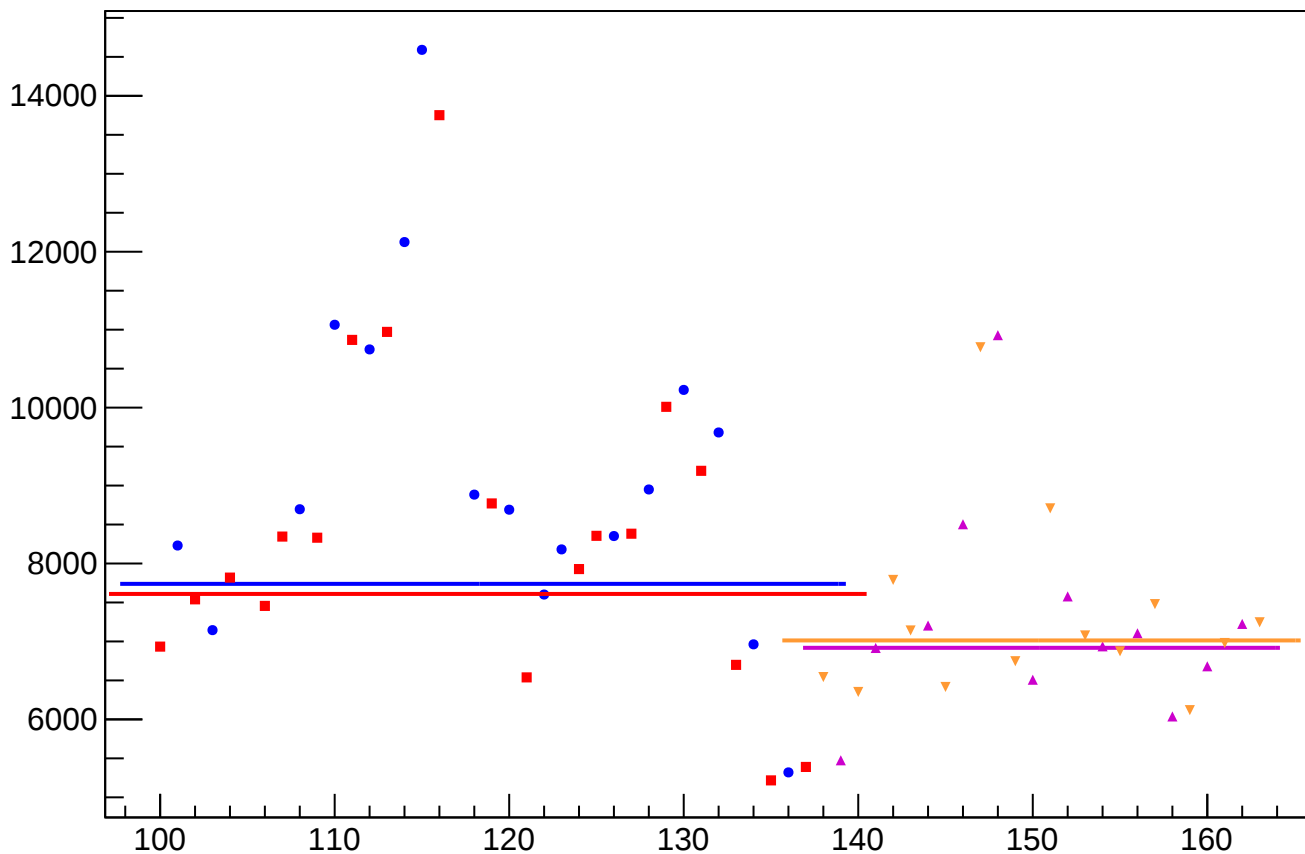
Right: -2.943 ± 2.122 χ^2/NDF : 35.2/35

In: -1.761 ± 1.818 χ^2/NDF : 33.5/28

Out: 0.753 ± 1.756 χ^2/NDF : 37.8/32

All: -0.460 ± 1.263 χ^2/NDF : 72.2/61

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7738.886 $\pm$ 2.172 χ^2 /NDF: 740836.7/16

Left Out: 7013.041 $\pm$ 1.549 χ^2 /NDF:335727.1/13

Right Out: 7609.531 $\pm$ 2.076 χ^2 /NDF: 679180.7/18

Left In: 6918.240 $\pm$ 1.595 χ^2 /NDF:419646.6/11

Left: 6967.024 $\pm$ 1.111 χ^2 /NDF: 757191.7/25

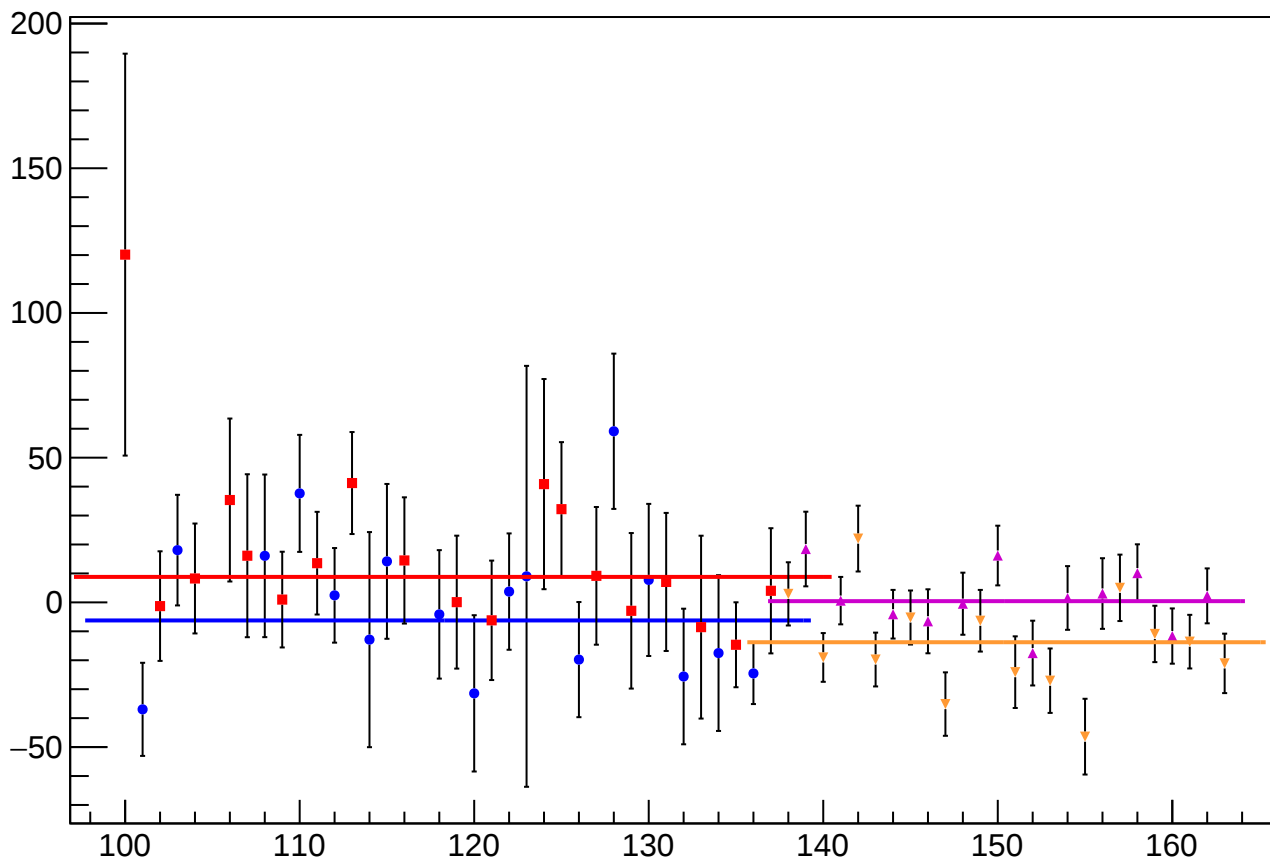
Right: 7671.298 $\pm$ 1.501 χ^2 /NDF: 1421871.4/35

In: 7205.821 $\pm$ 1.286 χ^2 /NDF:1253250.6/28

Out: 7226.391 $\pm$ 1.242 χ^2 /NDF:1067939.0/32

All: 7216.464 $\pm$ 0.893 χ^2 /NDF: 2321322.1/63

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.244 ± 5.017 $\chi^2/\text{NDF}: 23.2/16$

Left Out: -13.771 ± 2.773 $\chi^2/\text{NDF}: 29.8/13$

Right Out: 8.802 ± 4.999 $\chi^2/\text{NDF}: 13.1/18$

Left In: 0.422 ± 2.930 $\chi^2/\text{NDF}: 10.2/11$

Left: -7.066 ± 2.014 $\chi^2/\text{NDF}: 52.4/25$

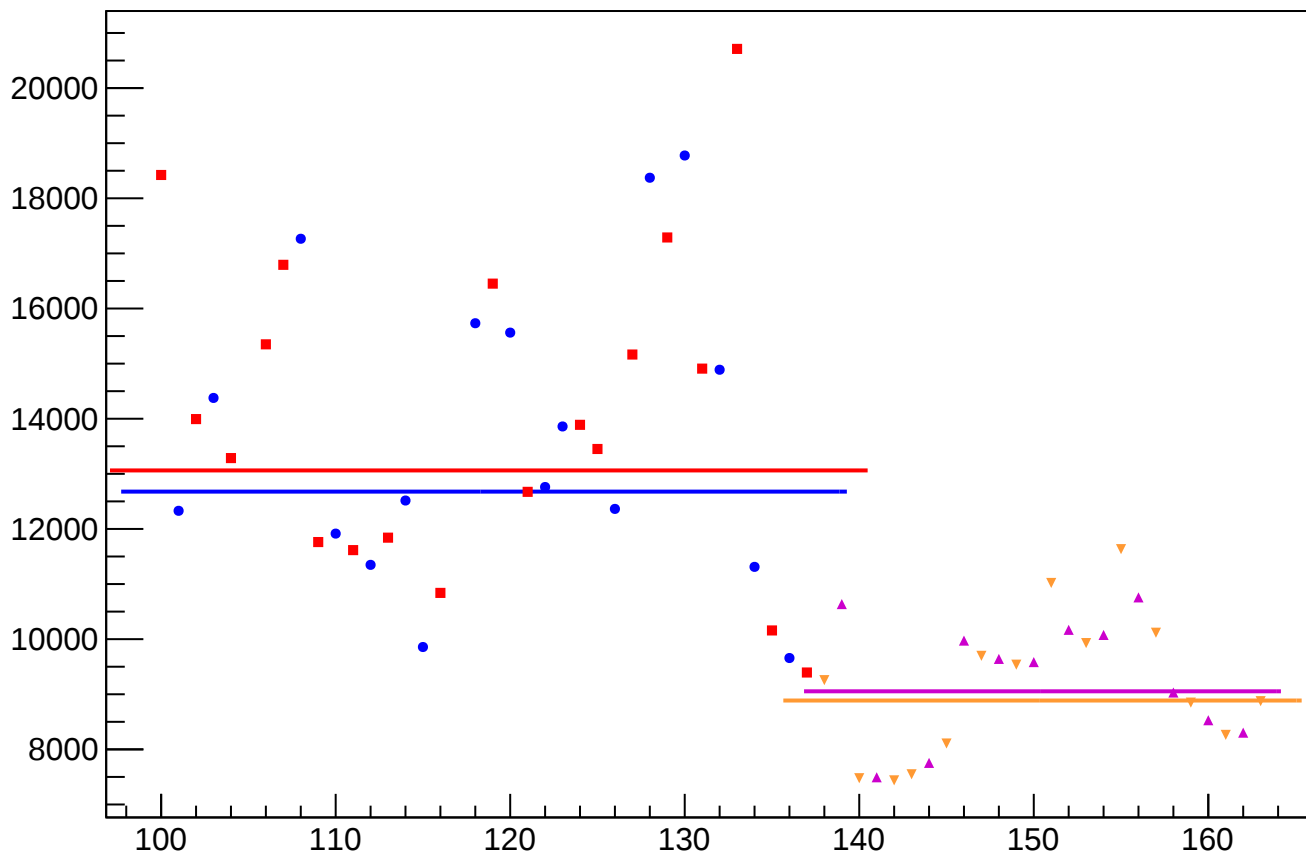
Right: 1.306 ± 3.541 $\chi^2/\text{NDF}: 40.9/35$

In: -1.273 ± 2.530 $\chi^2/\text{NDF}: 34.7/28$

Out: -8.461 ± 2.425 $\chi^2/\text{NDF}: 58.5/32$

All: -5.021 ± 1.751 $\chi^2/\text{NDF}: 97.4/61$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12677.516+/-3.548 χ^2/NDF : 553605.5/16

Left Out: 8886.576+/-1.960 χ^2/NDF : 361757.5/13

Right Out: 13061.839+/-3.535 χ^2/NDF : 497429.6/18

Left In: 9053.779+/-2.072 χ^2/NDF : 270283.7/11

Left: 8965.559+/-1.424 χ^2/NDF : 635477.2/25

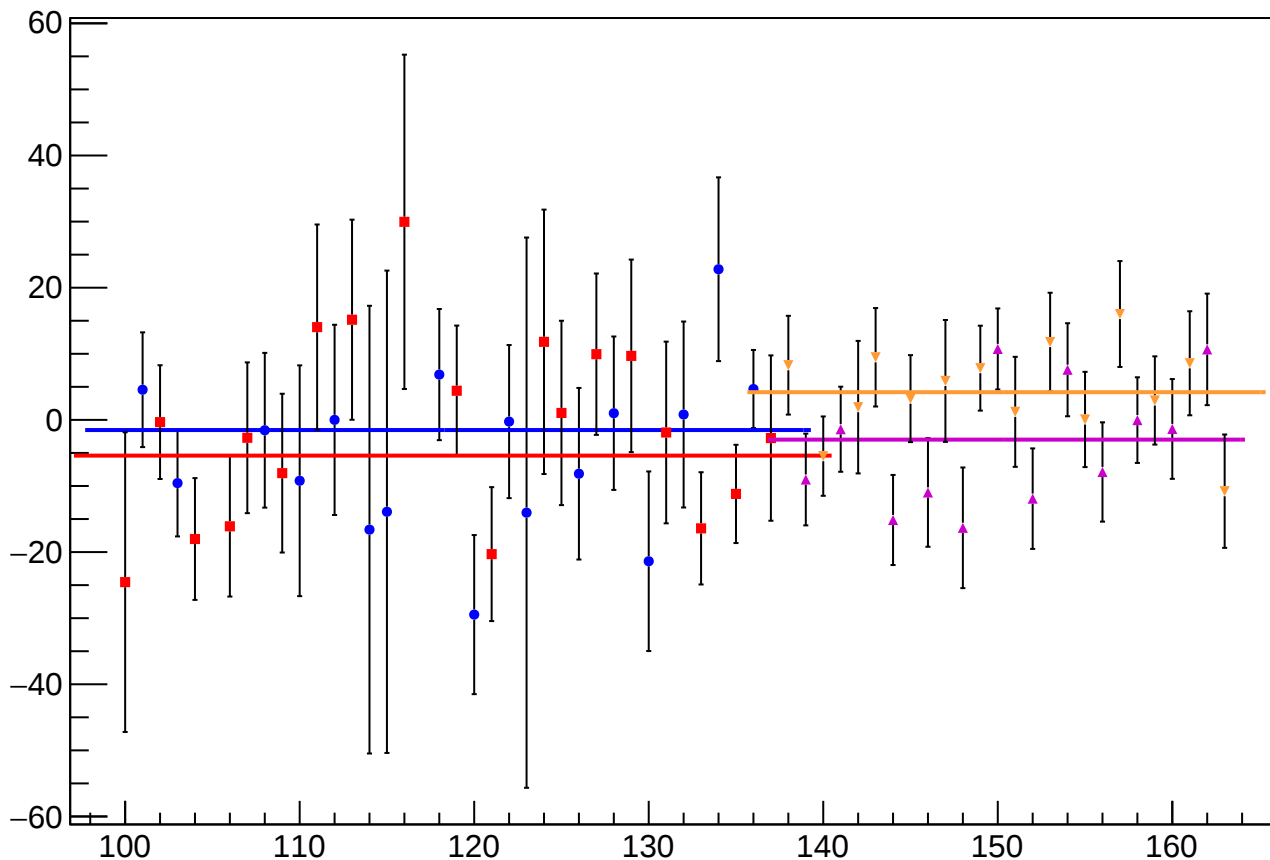
Right: 12870.370+/-2.504 χ^2/NDF : 1056923.6/35

In: 9975.383+/-1.789 χ^2/NDF : 1601826.8/28

Out: 9868.675+/-1.714 χ^2/NDF : 1926073.7/32

All: 9919.755+/-1.238 χ^2/NDF : 3529754.8/63

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.538 ± 2.790 $\chi^2/\text{NDF}: 14.8/16$

Left Out: 4.192 ± 1.991 $\chi^2/\text{NDF}: 10.9/13$

Right Out: -5.405 ± 2.640 $\chi^2/\text{NDF}: 18.6/18$

Left In: -2.986 ± 2.083 $\chi^2/\text{NDF}: 19.0/11$

Left: 0.765 ± 1.439 $\chi^2/\text{NDF}: 36.1/25$

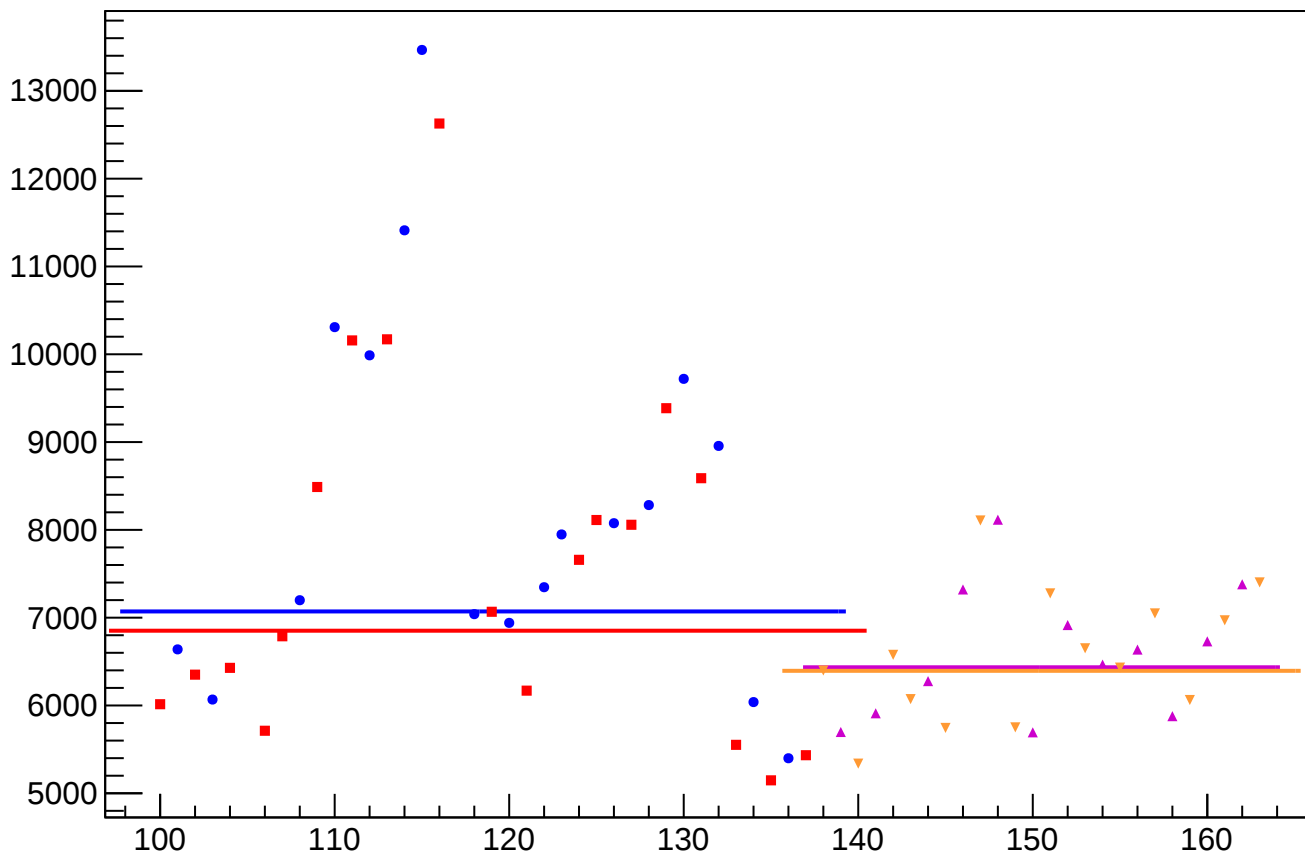
Right: -3.578 ± 1.918 $\chi^2/\text{NDF}: 34.4/35$

In: -2.468 ± 1.669 $\chi^2/\text{NDF}: 34.0/28$

Out: 0.711 ± 1.590 $\chi^2/\text{NDF}: 37.9/32$

All: -0.801 ± 1.151 $\chi^2/\text{NDF}: 73.8/61$

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7071.043 ± 1.973 $\chi^2/\text{NDF}: 600748.1/16$

Left Out: 6394.760 ± 1.408 $\chi^2/\text{NDF}: 256502.6/13$

Right Out: 6851.604 ± 1.866 $\chi^2/\text{NDF}: 684398.7/18$

Left In: 6434.937 ± 1.473 $\chi^2/\text{NDF}: 209616.4/11$

Left: 6413.944 ± 1.018 $\chi^2/\text{NDF}: 466507.7/25$

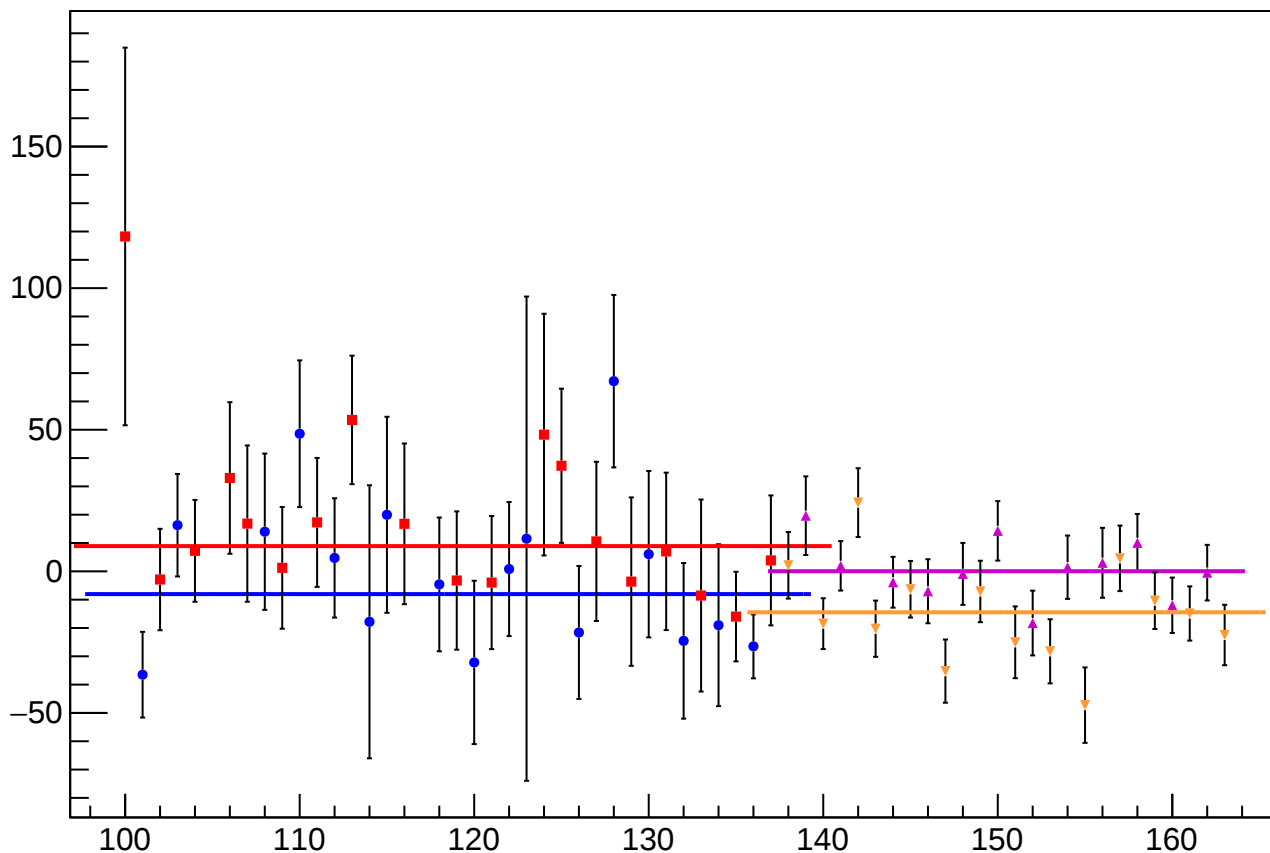
Right: 6955.236 ± 1.356 $\chi^2/\text{NDF}: 1291674.4/35$

In: 6662.565 ± 1.180 $\chi^2/\text{NDF}: 877107.1/28$

Out: 6560.448 ± 1.124 $\chi^2/\text{NDF}: 979081.6/32$

All: 6609.015 ± 0.814 $\chi^2/\text{NDF}: 1860113.9/63$

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -8.036 ± 5.497 $\chi^2/\text{NDF}: 22.6/16$

Left Out: -14.456 ± 2.886 $\chi^2/\text{NDF}: 29.0/13$

Right Out: 8.907 ± 5.566 $\chi^2/\text{NDF}: 13.7/18$

Left In: 0.047 ± 3.034 $\chi^2/\text{NDF}: 9.6/11$

Left: -7.566 ± 2.091 $\chi^2/\text{NDF}: 50.5/25$

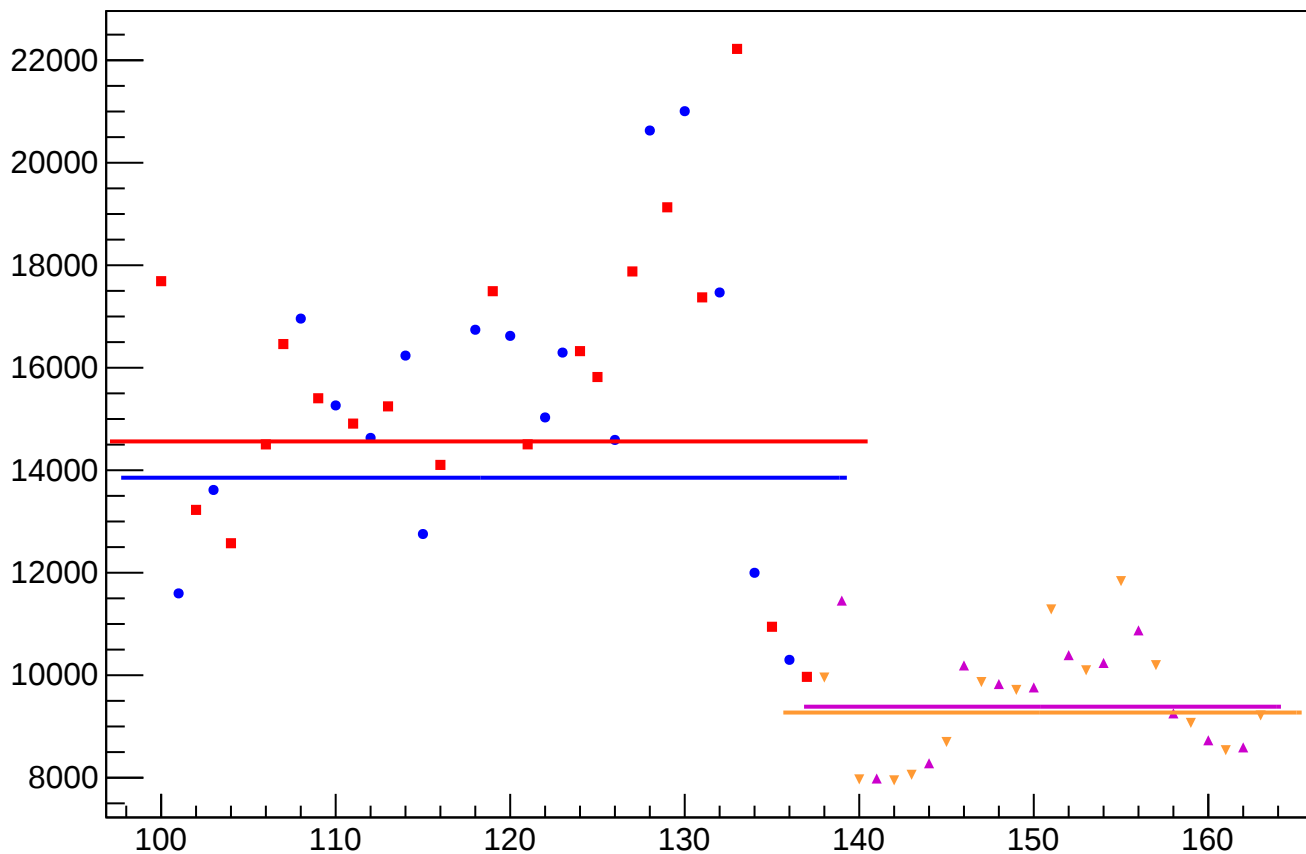
Right: 0.330 ± 3.911 $\chi^2/\text{NDF}: 41.0/35$

In: -1.840 ± 2.656 $\chi^2/\text{NDF}: 33.8/28$

Out: -9.505 ± 2.562 $\chi^2/\text{NDF}: 56.5/32$

All: -5.810 ± 1.844 $\chi^2/\text{NDF}: 94.7/61$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13854.187+/-3.887 χ^2/NDF : 600963.4/16

Left Out: 9271.952+/-2.041 χ^2/NDF : 278945.6/13

Right Out: 14562.308+/-3.936 χ^2/NDF : 474279.5/18

Left In: 9386.121+/-2.145 χ^2/NDF : 220863.5/11

Left: 9326.194+/-1.479 χ^2/NDF : 501295.7/25

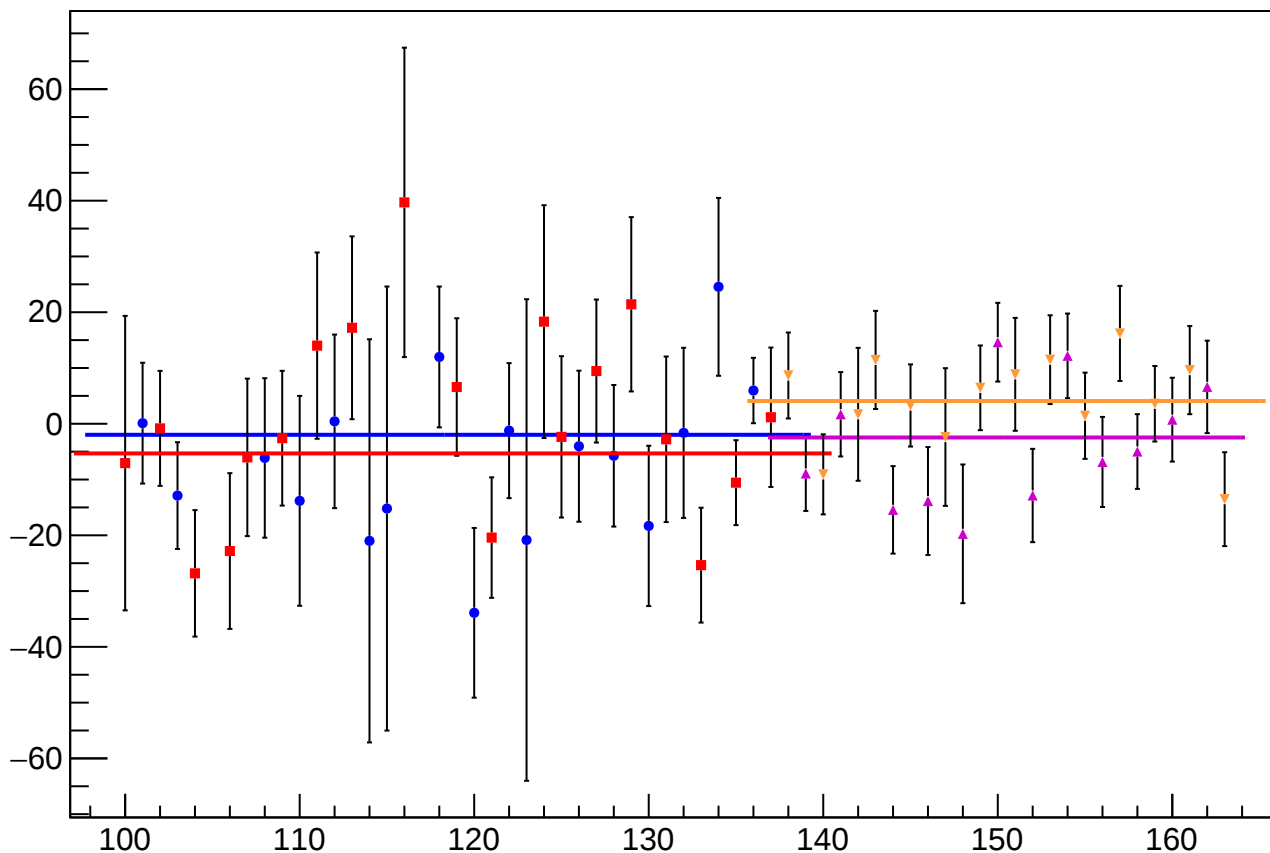
Right: 14203.845+/-2.766 χ^2/NDF : 1091628.8/35

In: 10429.273+/-1.878 χ^2/NDF : 1834539.8/28

Out: 10393.102+/-1.812 χ^2/NDF : 2177047.3/32

All: 10410.537+/-1.304 χ^2/NDF : 4011779.1/6

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.978 $\pm$ 3.094 χ^2/NDF : 14.0/16

Left Out: 4.079 $\pm$ 2.201 χ^2/NDF : 12.9/13

Right Out: -5.318 $\pm$ 2.959 χ^2/NDF : 24.3/18

Left In: -2.462 $\pm$ 2.266 χ^2/NDF : 20.2/11

Left: 0.905 $\pm$ 1.579 χ^2/NDF : 37.4/25

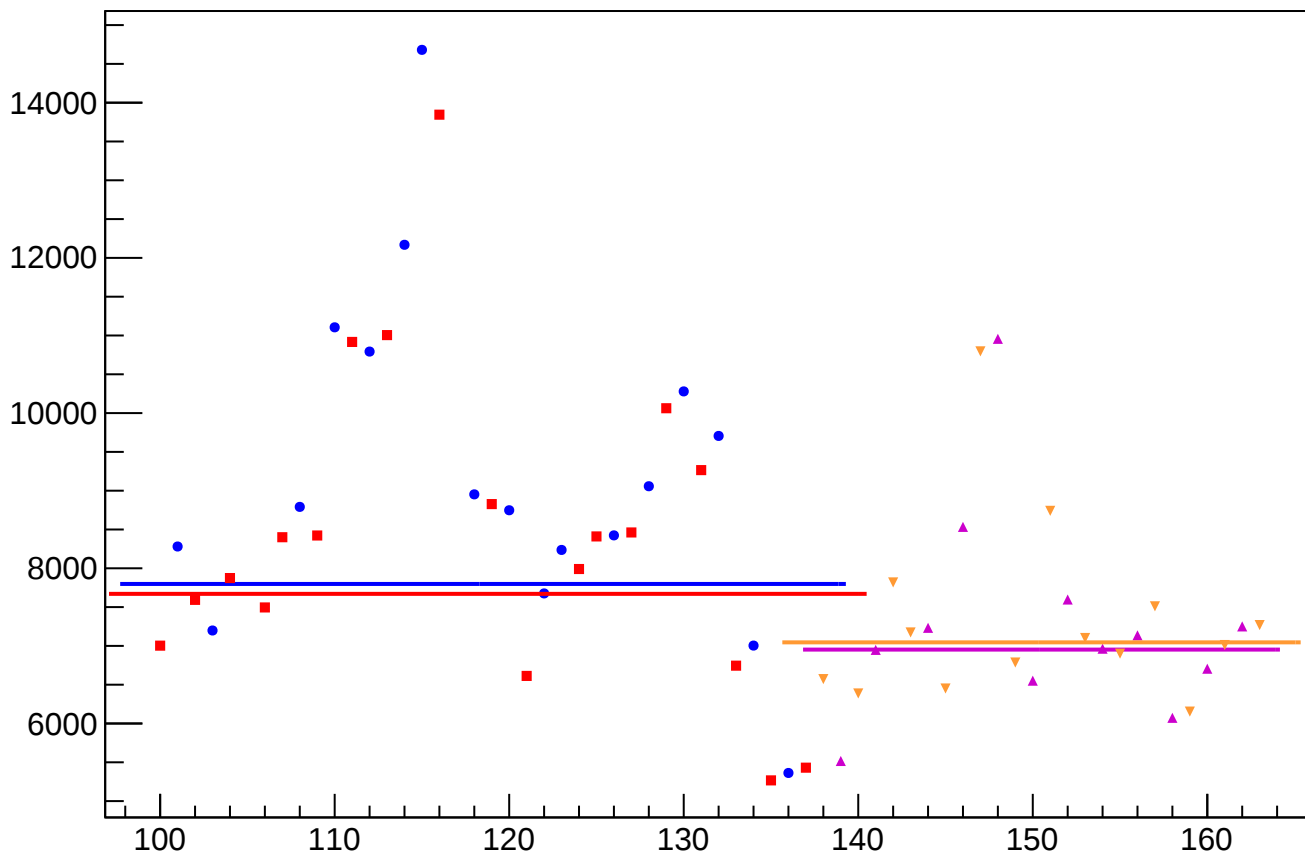
Right: -3.723 $\pm$ 2.138 χ^2/NDF : 39.0/35

In: -2.293 $\pm$ 1.828 χ^2/NDF : 34.3/28

Out: 0.732 $\pm$ 1.766 χ^2/NDF : 43.7/32

All: -0.728 $\pm$ 1.270 χ^2/NDF : 79.4/61

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7798.267+/-2.188 χ^2/NDF : 736283.6/16

Left Out: 7045.620+/-1.556 χ^2/NDF : 331981.4/13

Right Out: 7670.584+/-2.092 χ^2/NDF : 672691.0/18

Left In: 6952.312+/-1.602 χ^2/NDF : 413441.1/11

Left: 7000.338+/-1.116 χ^2/NDF : 747167.6/25

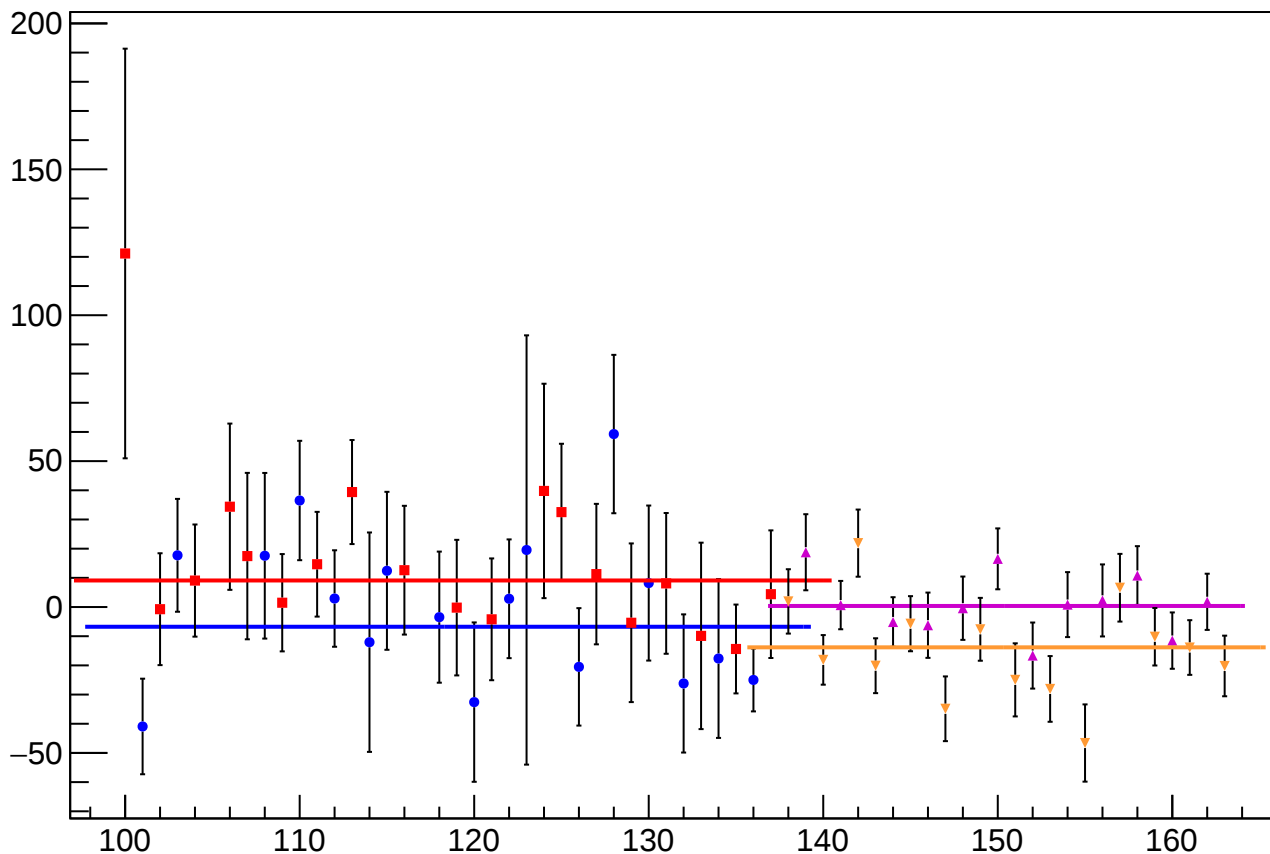
Right: 7731.569+/-1.512 χ^2/NDF : 1410753.9/35

In: 7247.696+/-1.293 χ^2/NDF : 1247035.9/28

Out: 7268.219+/-1.249 χ^2/NDF : 1062132.0/32

All: 7258.315+/-0.898 χ^2/NDF : 2309298.2/63

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.760 ± 5.085 $\chi^2/\text{NDF}: 23.7/16$

Left Out: -13.813 ± 2.803 $\chi^2/\text{NDF}: 29.2/13$

Right Out: 9.102 ± 5.070 $\chi^2/\text{NDF}: 12.2/18$

Left In: 0.367 ± 2.964 $\chi^2/\text{NDF}: 10.0/11$

Left: -7.119 ± 2.037 $\chi^2/\text{NDF}: 51.3/25$

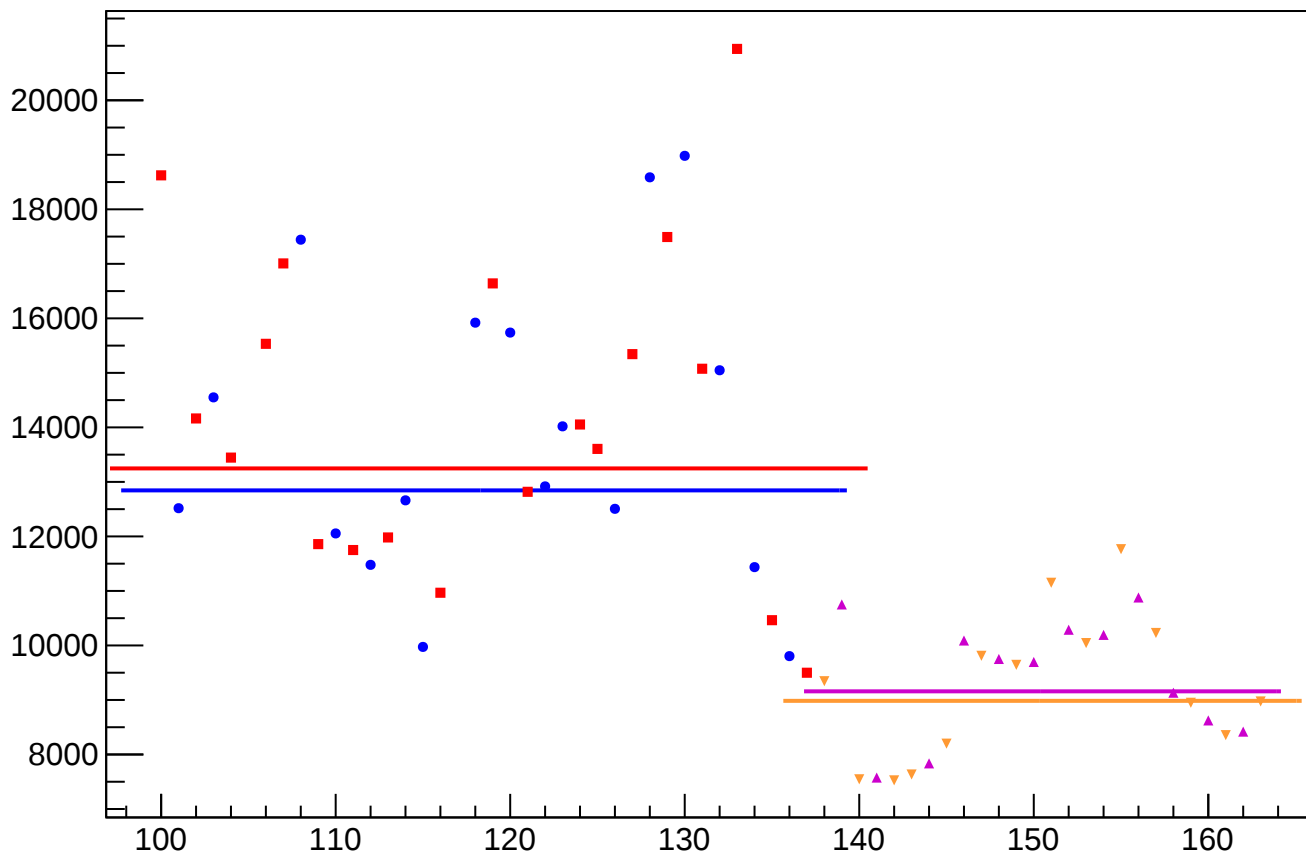
Right: 1.193 ± 3.590 $\chi^2/\text{NDF}: 40.8/35$

In: -1.441 ± 2.561 $\chi^2/\text{NDF}: 35.2/28$

Out: -8.450 ± 2.453 $\chi^2/\text{NDF}: 57.1/32$

All: -5.096 ± 1.771 $\chi^2/\text{NDF}: 96.2/61$

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12844.321+/-3.595 χ^2/NDF : 547271.0/16

Left Out: 8983.919+/-1.982 χ^2/NDF : 363318.7/13

Right Out: 13247.253+/-3.585 χ^2/NDF : 485481.6/18

Left In: 9158.209+/-2.096 χ^2/NDF : 270494.8/11

Left: 9066.199+/-1.440 χ^2/NDF : 637463.9/25

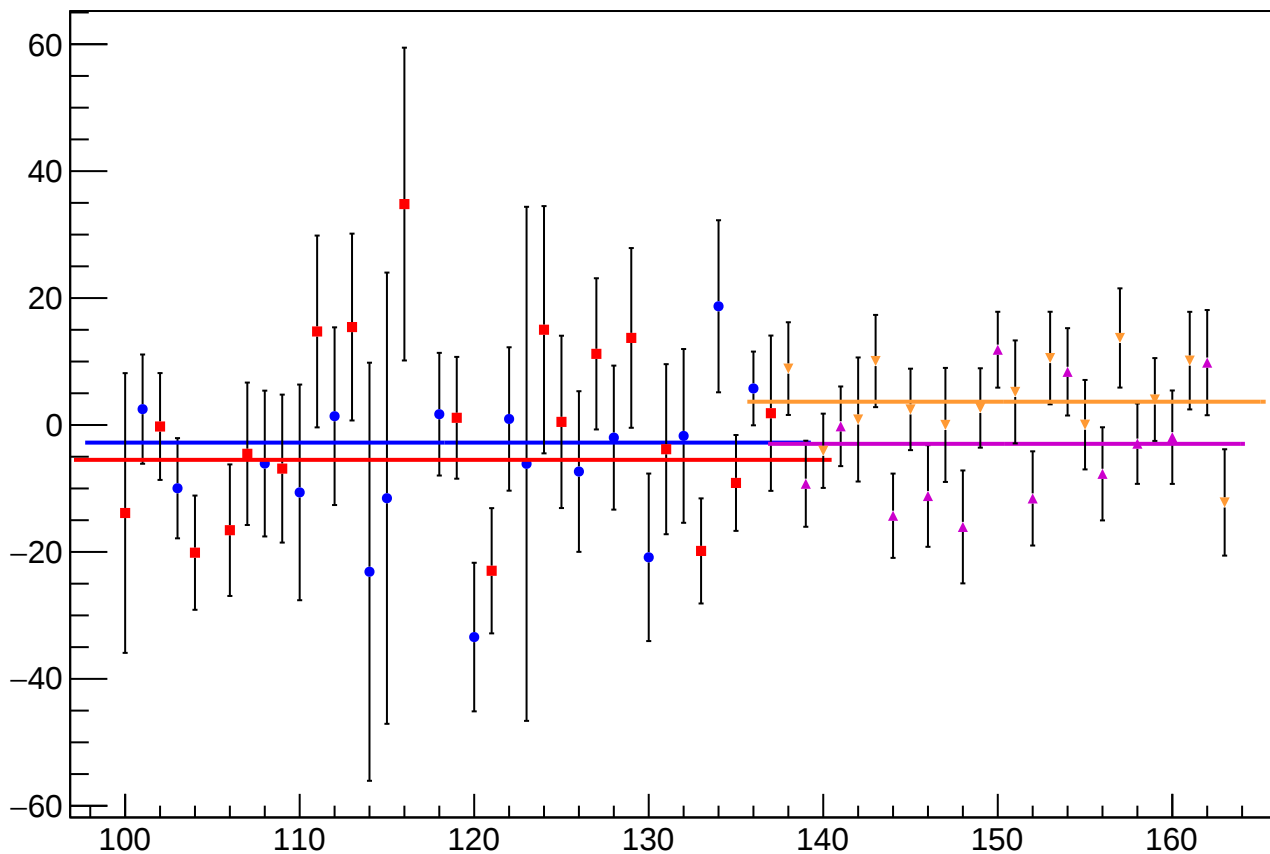
Right: 13046.351+/-2.539 χ^2/NDF : 1039049.9/35

In: 10093.136+/-1.811 χ^2/NDF : 1602257.1/28

Out: 9981.829+/-1.735 χ^2/NDF : 1931785.0/32

All: 10035.094+/-1.253 χ^2/NDF : 3536012.5/6

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.774 ± 2.732 χ^2/NDF : 15.9/16

Left Out: 3.670 ± 1.944 χ^2/NDF : 10.5/13

Right Out: -5.491 ± 2.587 χ^2/NDF : 23.2/18

Left In: -2.968 ± 2.034 χ^2/NDF : 20.2/11

Left: 0.501 ± 1.405 χ^2/NDF : 36.3/25

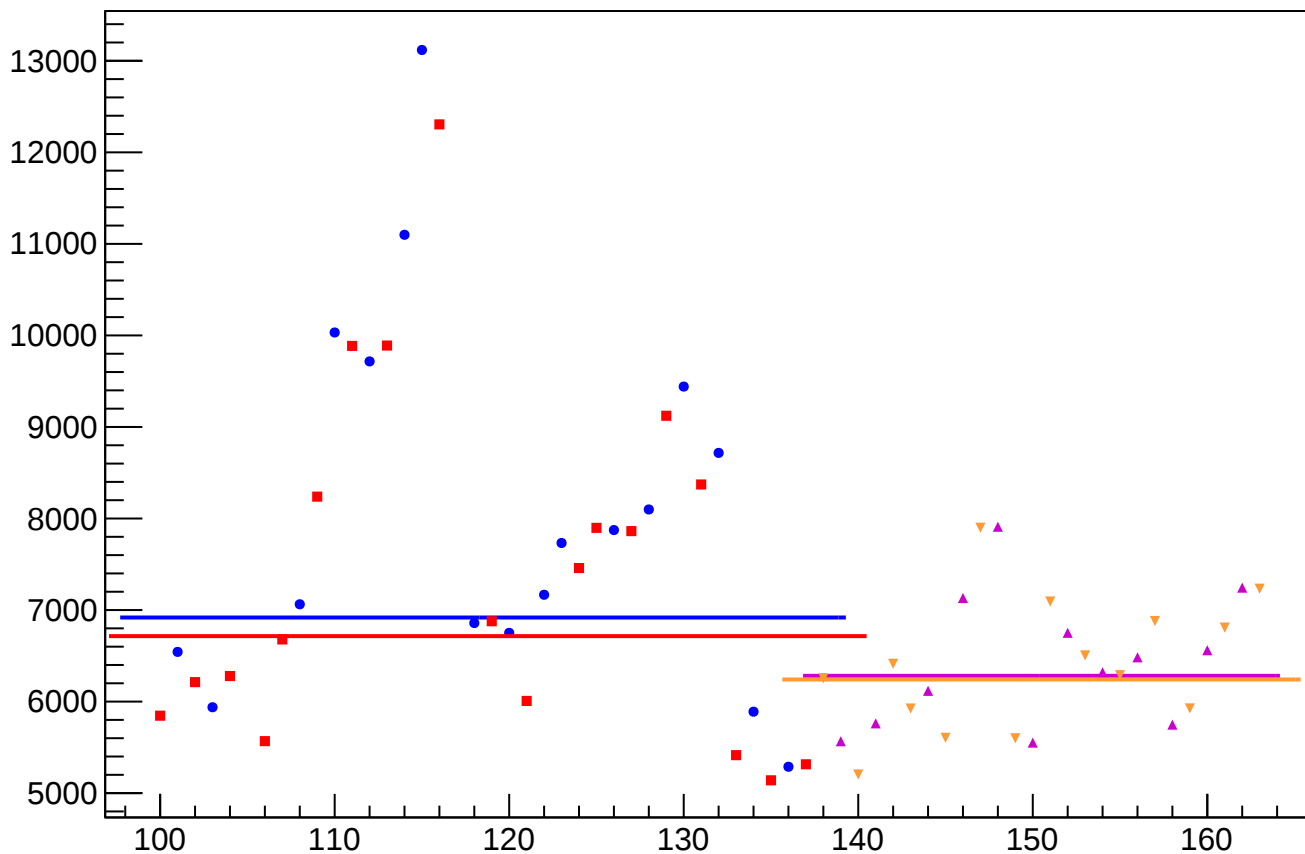
Right: -4.206 ± 1.879 χ^2/NDF : 39.6/35

In: -2.899 ± 1.631 χ^2/NDF : 36.1/28

Out: 0.366 ± 1.554 χ^2/NDF : 41.7/32

All: -1.187 ± 1.125 χ^2/NDF : 79.9/61

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.477 ± 1.932 $\chi^2/\text{NDF}: 587039.3/16$

Left Out: 6241.270 ± 1.374 $\chi^2/\text{NDF}: 257967.3/13$

Right Out: 6715.022 ± 1.830 $\chi^2/\text{NDF}: 656010.3/18$

Left In: 6281.499 ± 1.438 $\chi^2/\text{NDF}: 210207.3/11$

Left: 6260.474 ± 0.993 $\chi^2/\text{NDF}: 468583.7/25$

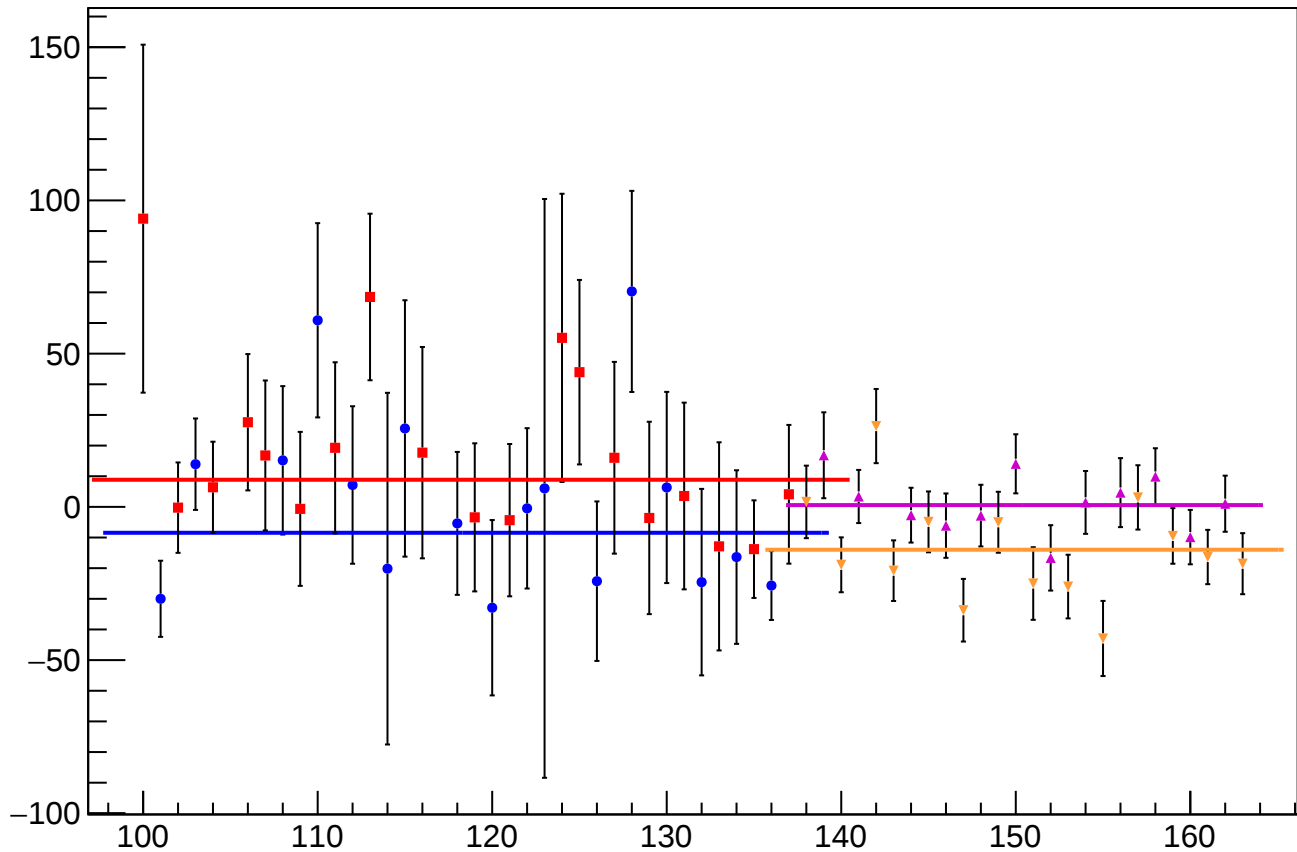
Right: 6811.237 ± 1.328 $\chi^2/\text{NDF}: 1248897.6/35$

In: 6508.627 ± 1.153 $\chi^2/\text{NDF}: 867219.0/28$

Out: 6412.149 ± 1.099 $\chi^2/\text{NDF}: 956842.6/32$

All: 6458.051 ± 0.796 $\chi^2/\text{NDF}: 1827729.3/63$

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.448 ± 5.393 $\chi^2/\text{NDF}: 22.0/16$

Left Out: -13.980 ± 2.736 $\chi^2/\text{NDF}: 30.0/13$

Right Out: 8.854 ± 5.508 $\chi^2/\text{NDF}: 14.2/18$

Left In: 0.583 ± 2.850 $\chi^2/\text{NDF}: 9.2/11$

Left: -6.996 ± 1.974 $\chi^2/\text{NDF}: 52.8/25$

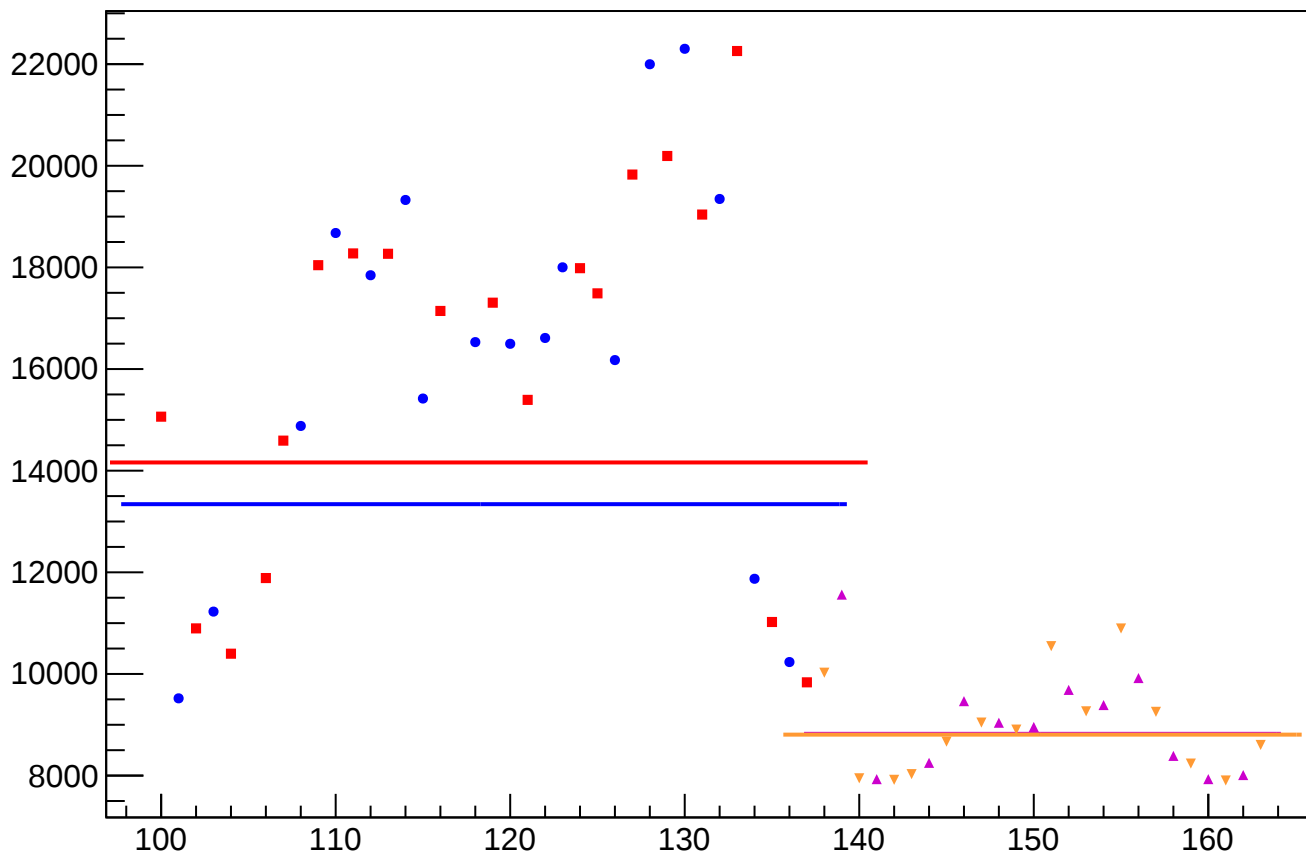
Right: 0.019 ± 3.854 $\chi^2/\text{NDF}: 41.3/35$

In: -1.389 ± 2.520 $\chi^2/\text{NDF}: 33.4/28$

Out: -9.462 ± 2.450 $\chi^2/\text{NDF}: 58.0/32$

All: -5.538 ± 1.757 $\chi^2/\text{NDF}: 96.6/61$

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13340.948 $\pm$ 3.813 χ^2 /NDF: 1044569.8/16

Left Out: 8806.018 $\pm$ 1.935 χ^2 /NDF: 202748.7/13

Right Out: 14161.826 $\pm$ 3.895 χ^2 /NDF: 931787.3/18

Left In: 8821.777 $\pm$ 2.015 χ^2 /NDF: 193052.8/11

Left: 8813.576 $\pm$ 1.396 χ^2 /NDF: 395833.4/25

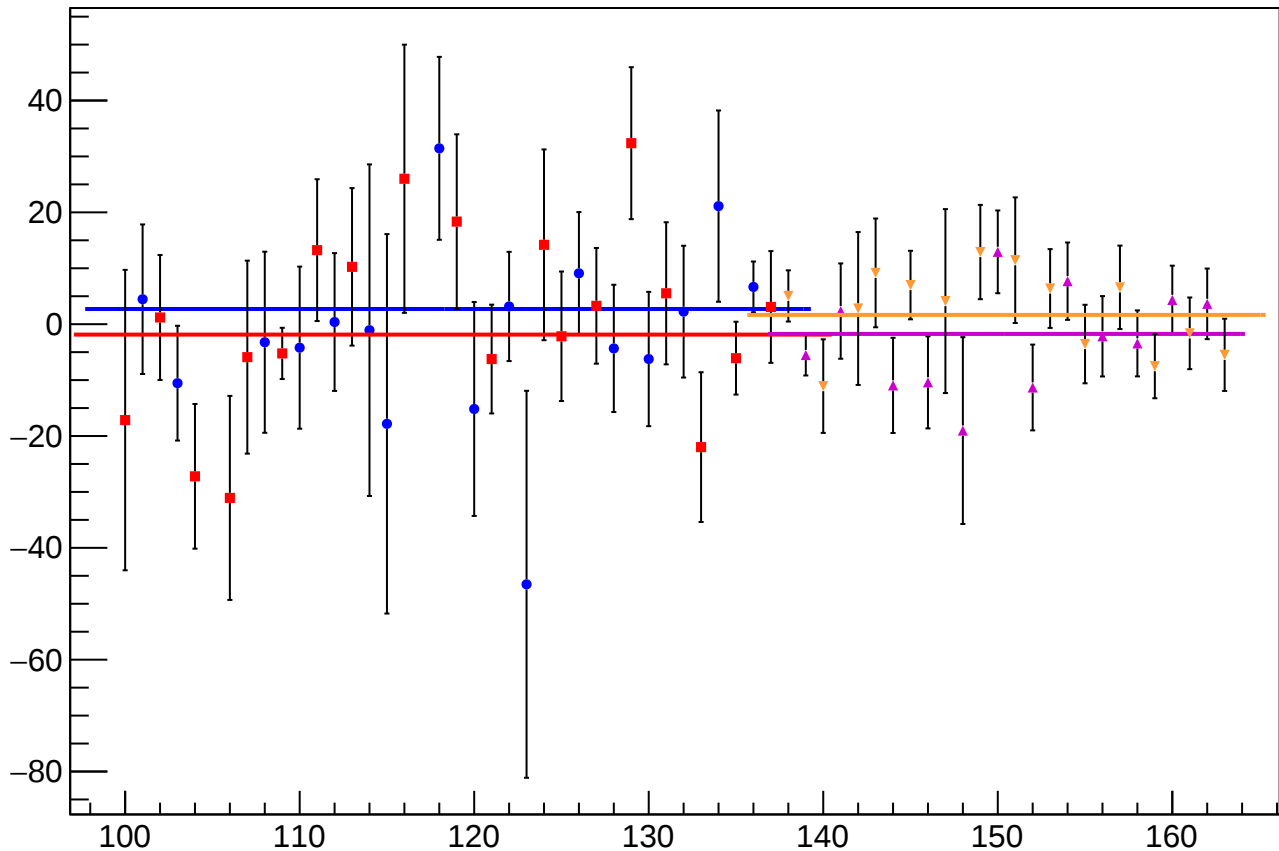
Right: 13742.695 $\pm$ 2.725 χ^2 /NDF: 1999035.6/35

In: 9808.314 $\pm$ 1.782 χ^2 /NDF: 2335462.6/28

Out: 9865.824 $\pm$ 1.733 χ^2 /NDF: 2651145.9/32

All: 9837.872 $\pm$ 1.242 χ^2 /NDF: 4987144.0/63

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.717 ± 2.752 $\chi^2/\text{NDF}: 11.6/16$

Left Out: 1.661 ± 1.934 $\chi^2/\text{NDF}: 12.3/13$

Right Out: -1.861 ± 2.439 $\chi^2/\text{NDF}: 23.5/18$

Left In: -1.742 ± 1.901 $\chi^2/\text{NDF}: 13.8/11$

Left: -0.070 ± 1.356 $\chi^2/\text{NDF}: 27.6/25$

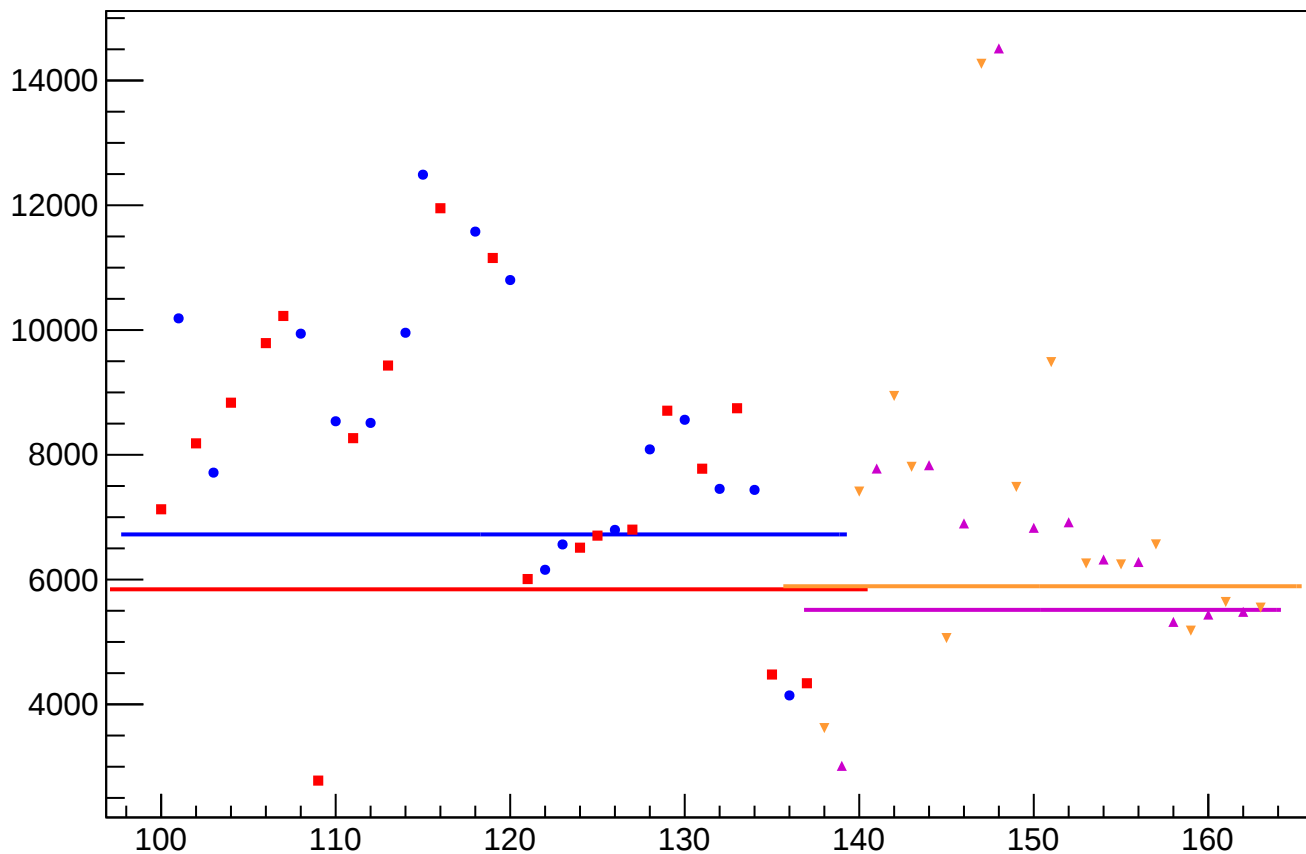
Right: 0.153 ± 1.825 $\chi^2/\text{NDF}: 36.7/35$

In: -0.302 ± 1.564 $\chi^2/\text{NDF}: 27.2/28$

Out: 0.301 ± 1.516 $\chi^2/\text{NDF}: 37.1/32$

All: 0.009 ± 1.088 $\chi^2/\text{NDF}: 64.4/61$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6723.839+/-1.946 χ^2/NDF : 1392082.5/16

Left Out: 5893.113+/-1.368 χ^2/NDF : 1632790.0/13

Right Out: 5843.829+/-1.725 χ^2/NDF : 2277223.8/18

Left In: 5514.496+/-1.344 χ^2/NDF : 2044960.1/11

Left: 5700.509+/-0.959 χ^2/NDF : 3716726.8/25

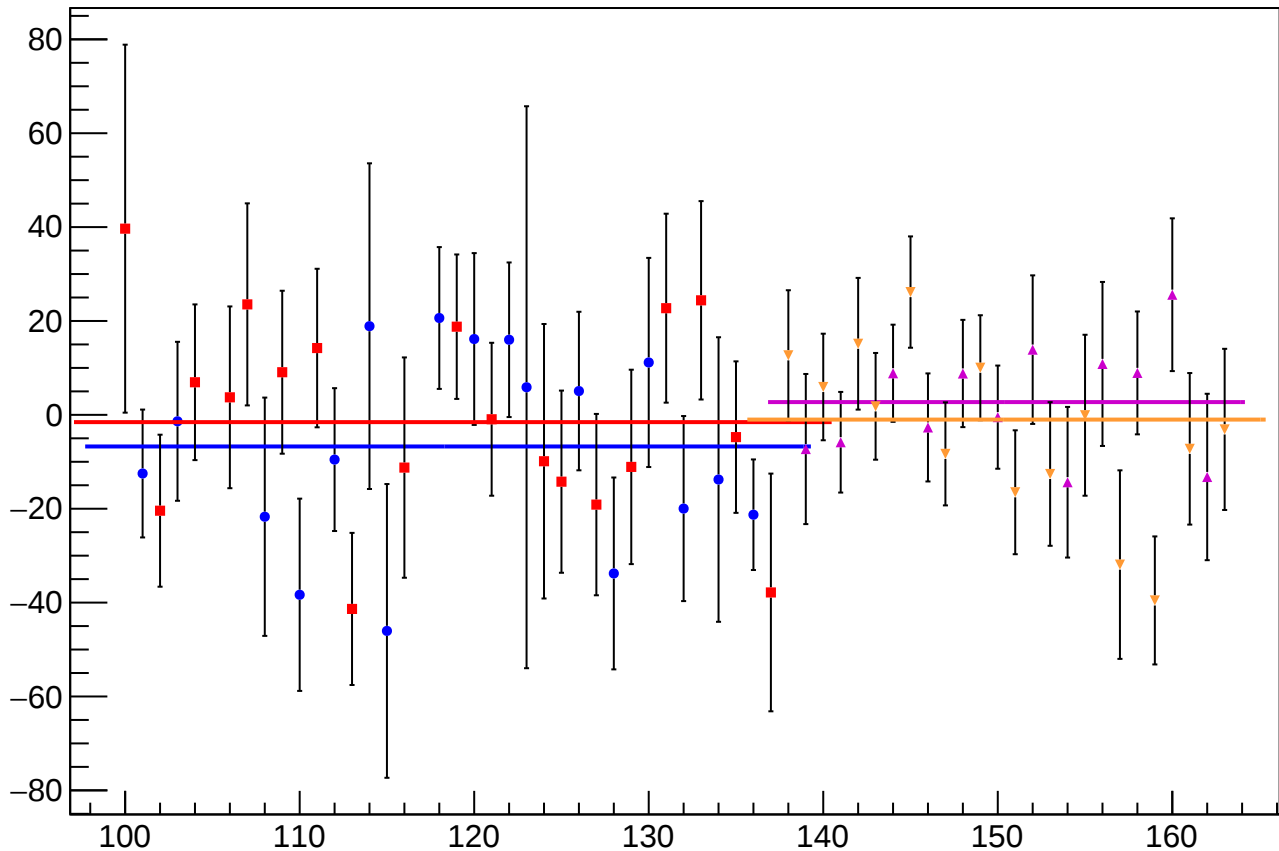
Right: 6230.943+/-1.291 χ^2/NDF : 3783849.2/35

In: 5905.144+/-1.106 χ^2/NDF : 3698497.5/28

Out: 5874.082+/-1.072 χ^2/NDF : 3910515.1/32

All: 5889.123+/-0.770 χ^2/NDF : 7609419.4/63

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -6.736 ± 4.513 $\chi^2/\text{NDF}: 16.9/16$

Left Out: -1.009 ± 3.588 $\chi^2/\text{NDF}: 21.9/13$

Right Out: -1.549 ± 4.372 $\chi^2/\text{NDF}: 20.0/18$

Left In: 2.718 ± 3.797 $\chi^2/\text{NDF}: 6.8/11$

Left: 0.749 ± 2.608 $\chi^2/\text{NDF}: 29.2/25$

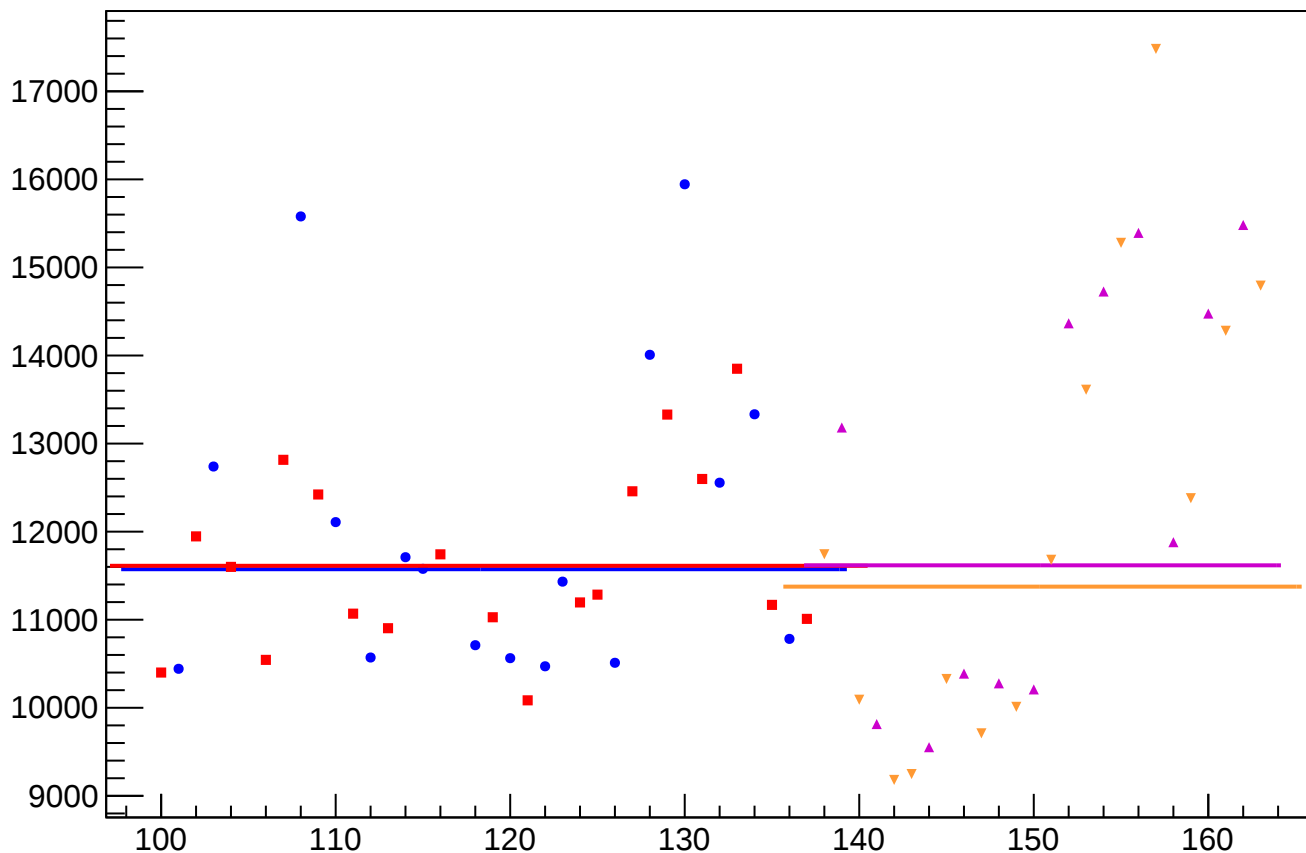
Right: -4.061 ± 3.140 $\chi^2/\text{NDF}: 37.5/35$

In: -1.200 ± 2.905 $\chi^2/\text{NDF}: 26.3/28$

Out: -1.227 ± 2.774 $\chi^2/\text{NDF}: 41.8/32$

All: -1.214 ± 2.006 $\chi^2/\text{NDF}: 68.1/61$

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.490+/-3.191 χ^2/NDF : 238734.7/16

Left Out: 11375.662+/-2.537 χ^2/NDF : 724644.8/13

Right Out: 11612.220+/-3.092 χ^2/NDF : 94308.1/18

Left In: 11617.578+/-2.685 χ^2/NDF : 624769.0/11

Left: 11489.788+/-1.844 χ^2/NDF : 1353703.2/25

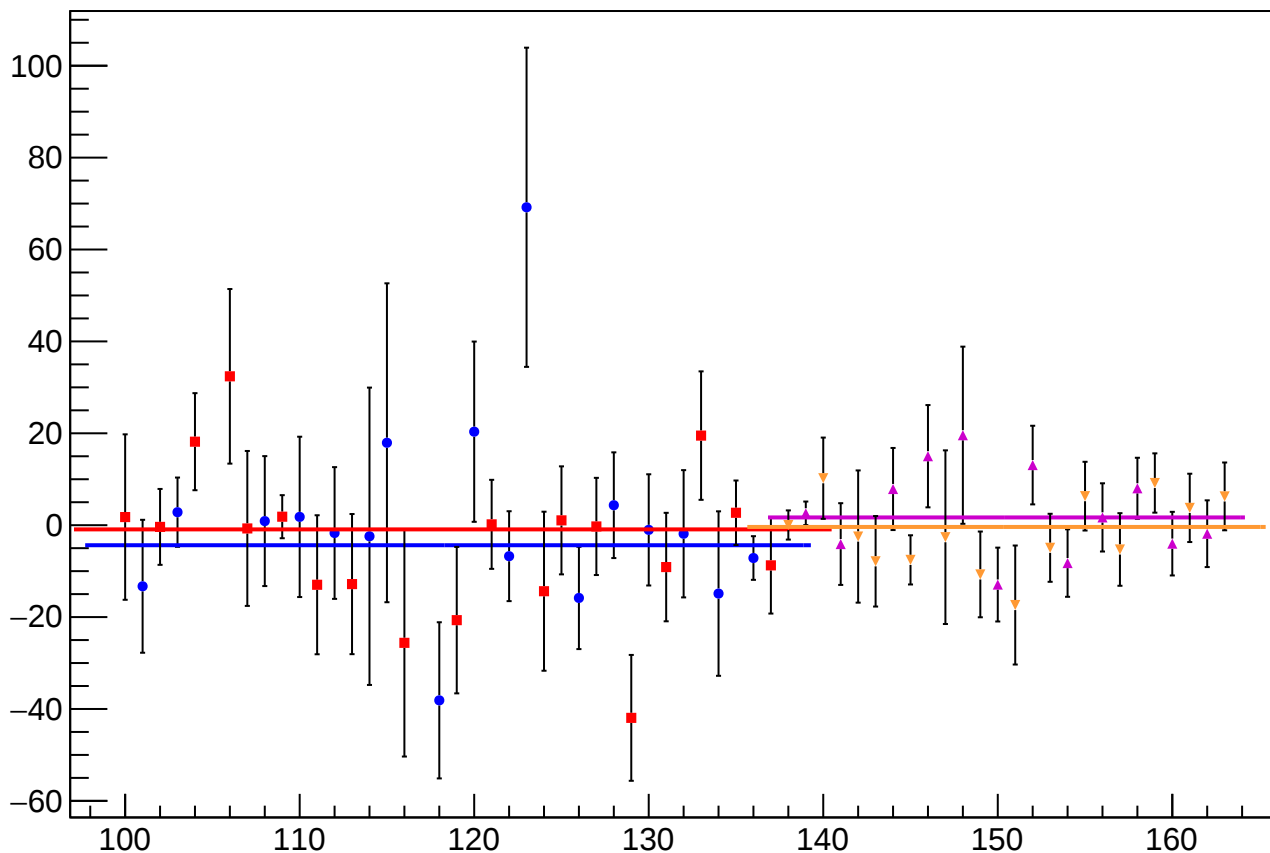
Right: 11593.467+/-2.220 χ^2/NDF : 333118.8/35

In: 11599.306+/-2.054 χ^2/NDF : 863615.5/28

Out: 11470.854+/-1.961 χ^2/NDF : 822451.4/32

All: 11532.104+/-1.419 χ^2/NDF : 1688112.3/6

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.361 ± 2.776 χ^2/NDF : 14.5/16

Left Out: -0.383 ± 1.842 χ^2/NDF : 11.7/13

Right Out: -0.914 ± 2.426 χ^2/NDF : 23.5/18

Left In: 1.689 ± 1.777 χ^2/NDF : 12.1/11

Left: 0.690 ± 1.279 χ^2/NDF : 24.4/25

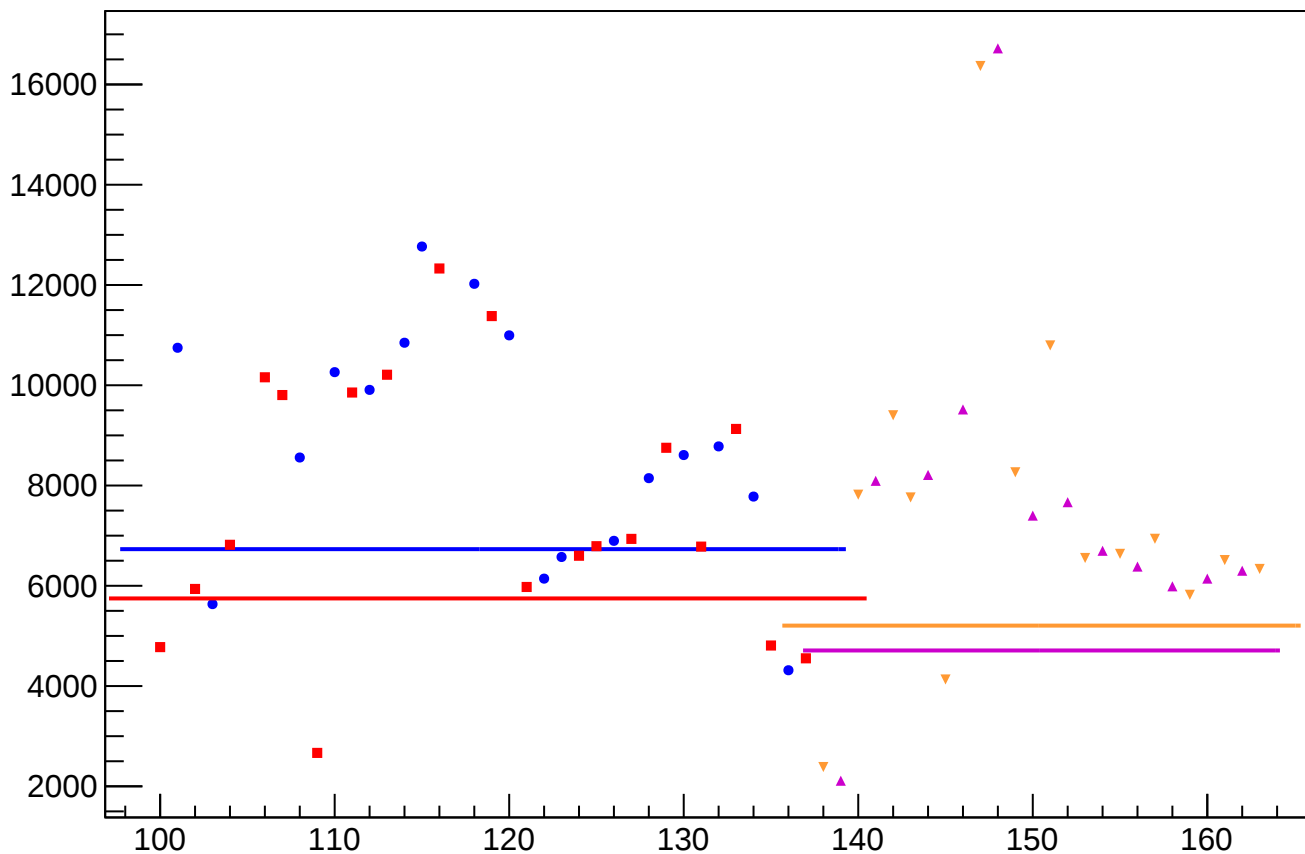
Right: -2.407 ± 1.827 χ^2/NDF : 38.9/35

In: -0.070 ± 1.497 χ^2/NDF : 29.9/28

Out: -0.577 ± 1.467 χ^2/NDF : 35.3/32

All: -0.328 ± 1.048 χ^2/NDF : 65.3/61

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6730.725+/-1.963 χ^2/NDF : 1445240.4/16

Left Out: 5205.625+/-1.302 χ^2/NDF : 3783924.8/13

Right Out: 5747.643+/-1.716 χ^2/NDF : 2162236.7/18

Left In: 4709.796+/-1.257 χ^2/NDF : 4771345.3/11

Left: 4948.808+/-0.904 χ^2/NDF : 8630330.8/25

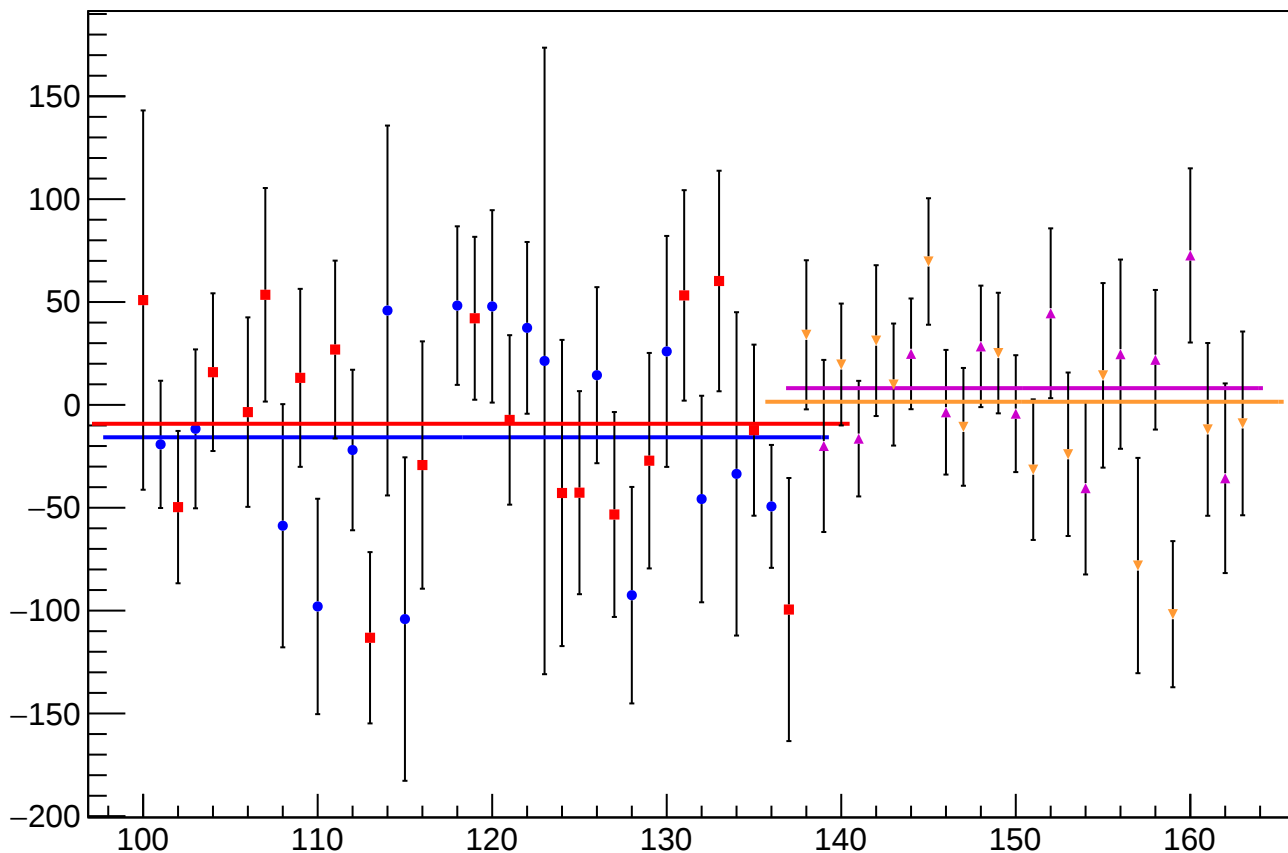
Right: 6173.310+/-1.292 χ^2/NDF : 3749669.1/35

In: 5297.117+/-1.058 χ^2/NDF : 6968361.6/28

Out: 5403.820+/-1.037 χ^2/NDF : 6009485.2/32

All: 5351.535+/-0.741 χ^2/NDF : 12983031.1/6

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -15.751 $\pm$ 11.207 χ^2/NDF : 15.9/16

Left Out: 1.517 $\pm$ 9.350 χ^2/NDF : 20.0/13

Right Out: -9.179 $\pm$ 10.889 χ^2/NDF : 19.3/18

Left In: 8.131 $\pm$ 9.892 χ^2/NDF : 8.0/11

Left: 4.638 $\pm$ 6.795 χ^2/NDF : 28.3/25

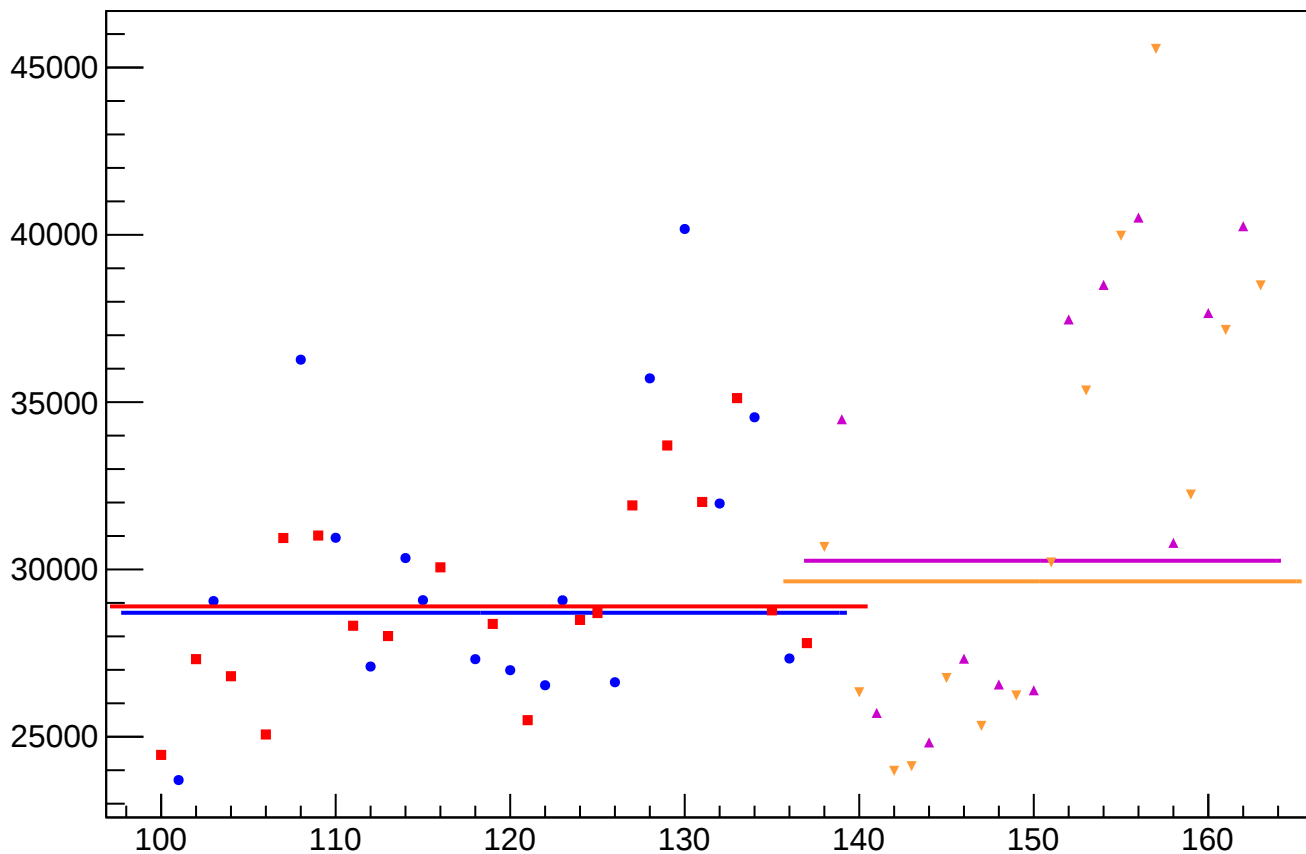
Right: -12.370 $\pm$ 7.810 χ^2/NDF : 35.4/35

In: -2.326 $\pm$ 7.416 χ^2/NDF : 26.5/28

Out: -3.022 $\pm$ 7.094 χ^2/NDF : 39.8/32

All: -2.690 $\pm$ 5.126 χ^2/NDF : 66.4/61

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28705.569+/-7.925

χ^2/NDF : 250992.5/16

Left: 29935.080+/-4.805

χ^2/NDF : 1358829.2/25

Left Out: 29644.819+/-6.612

χ^2/NDF : 719858.5/13

Right: 28803.288+/-5.522

χ^2/NDF : 362500.7/35

Right Out: 28895.535+/-7.700

χ^2/NDF : 111212.6/18

In: 29579.297+/-5.244

χ^2/NDF : 907503.3/28

Out: 29326.816+/-5.016

χ^2/NDF : 836521.7/32

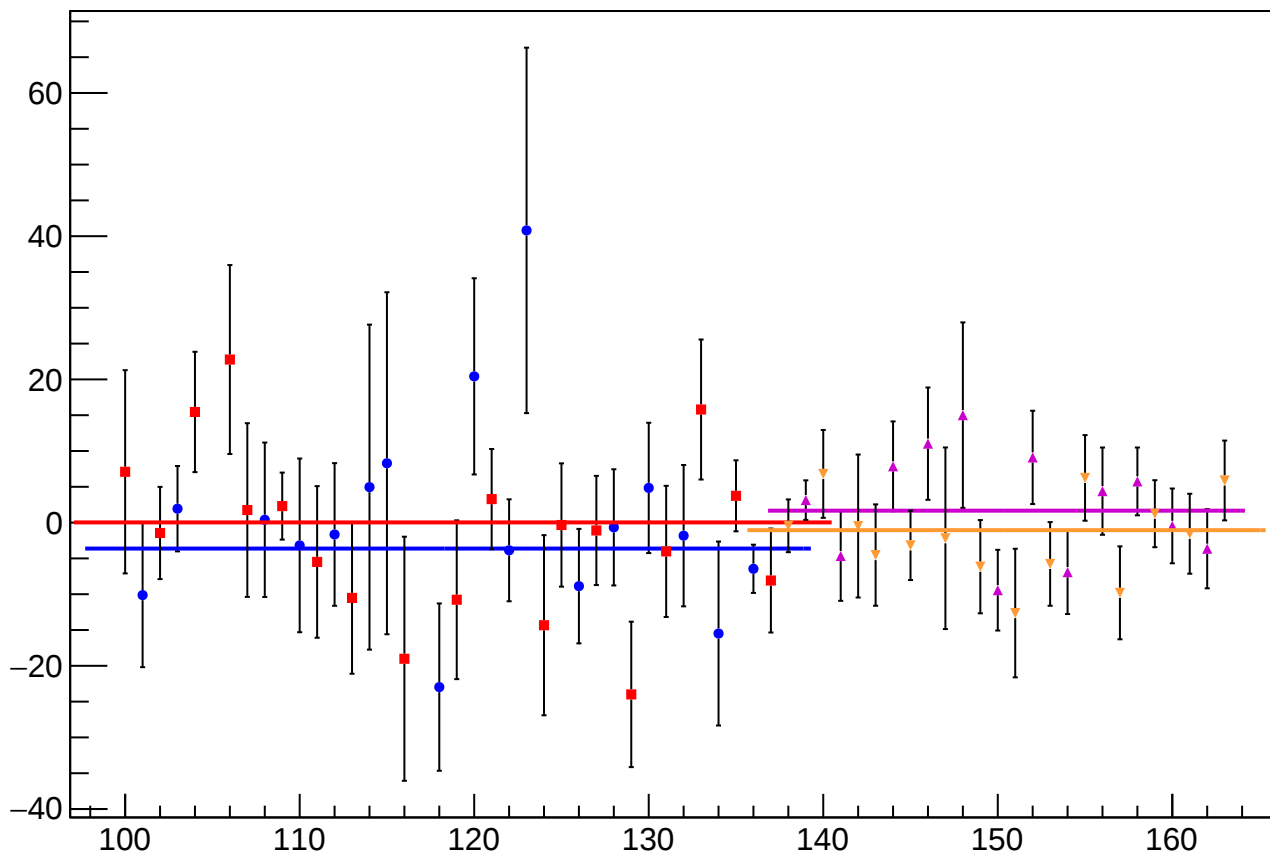
Left In: 30259.928+/-6.995

χ^2/NDF : 634886.5/11

All: 29447.450+/-3.625

χ^2/NDF : 1745235.5/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.625 $\pm$ 2.006 χ^2/NDF : 13.7/16

Left Out: -1.056 $\pm$ 1.570 χ^2/NDF : 10.1/13

Right Out: 0.027 $\pm$ 1.890 χ^2/NDF : 22.1/18

Left In: 1.667 $\pm$ 1.526 χ^2/NDF : 14.1/11

Left: 0.344 $\pm$ 1.094 χ^2/NDF : 25.8/25

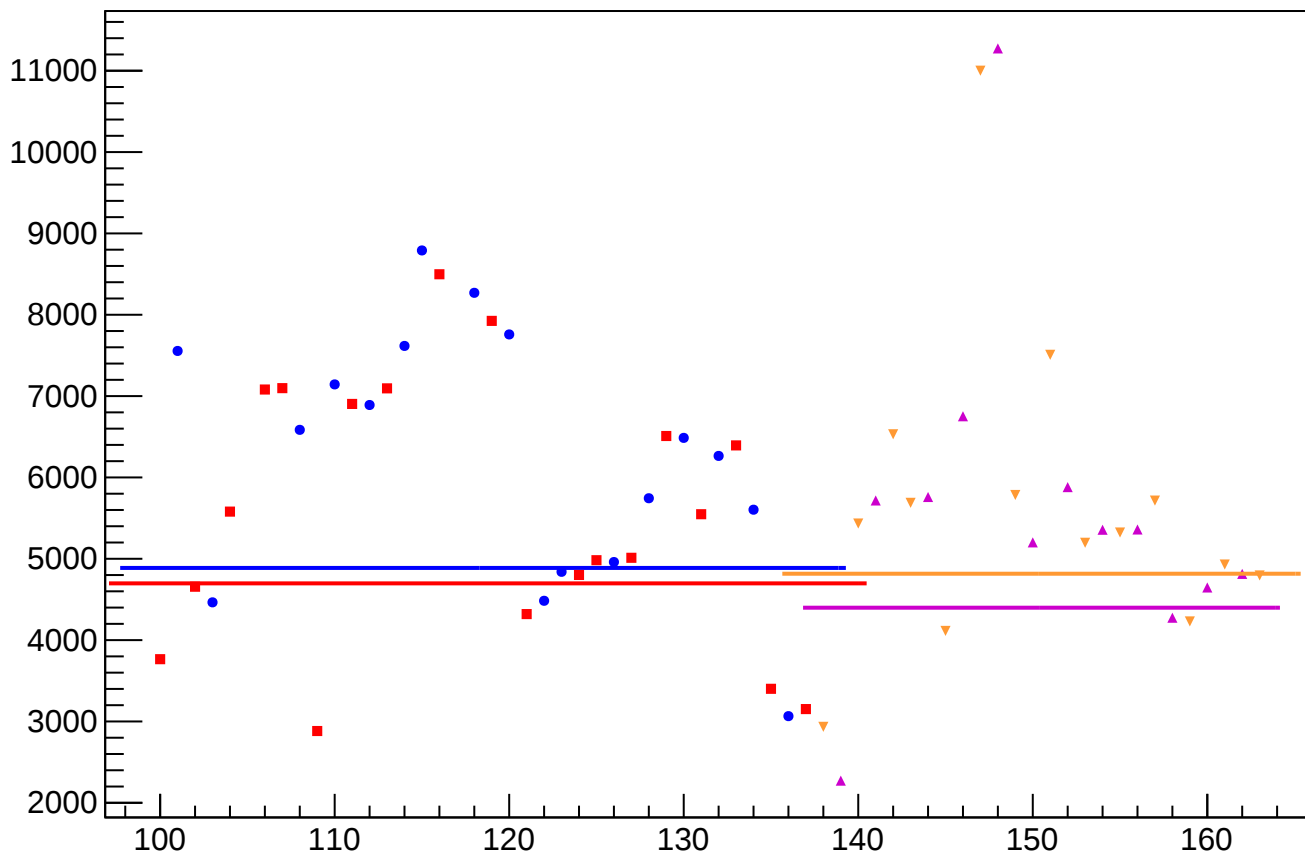
Right: -1.690 $\pm$ 1.376 χ^2/NDF : 37.6/35

In: -0.273 $\pm$ 1.214 χ^2/NDF : 32.3/28

Out: -0.614 $\pm$ 1.207 χ^2/NDF : 32.4/32

All: -0.444 $\pm$ 0.856 χ^2/NDF : 64.8/61

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4887.515 +/- 1.418 χ^2/NDF : 1409296.8/16

Left Out: 4816.263 +/- 1.110 χ^2/NDF : 1466669.1/13

Right Out: 4697.726 +/- 1.336 χ^2/NDF : 1313121.0/18

Left In: 4398.517 +/- 1.079 χ^2/NDF : 2376921.8/11

Left: 4601.507 +/- 0.774 χ^2/NDF : 3916425.9/25

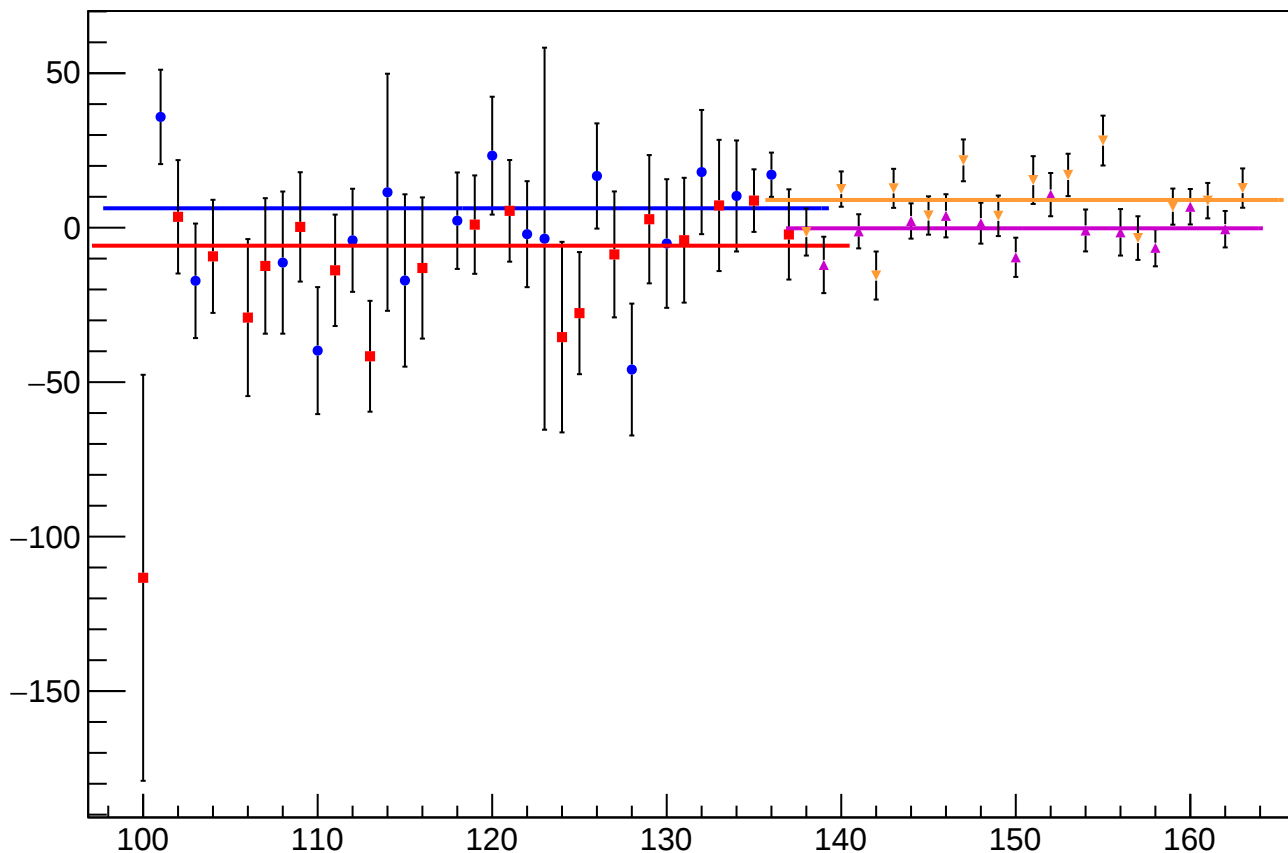
Right: 4786.972 +/- 0.973 χ^2/NDF : 2731901.7/35

In: 4577.757 +/- 0.859 χ^2/NDF : 3861501.3/28

Out: 4767.879 +/- 0.854 χ^2/NDF : 2784446.3/32

All: 4673.371 +/- 0.605 χ^2/NDF : 6670596.1/63

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.283+/-4.064 χ^2/NDF : 22.5/16

Left Out: 8.977+/-1.773 χ^2/NDF : 28.7/13

Right Out: -5.828+/-4.219 χ^2/NDF : 13.8/18

Left In: -0.200+/-1.856 χ^2/NDF : 9.5/11

Left: 4.600+/-1.282 χ^2/NDF : 51.0/25

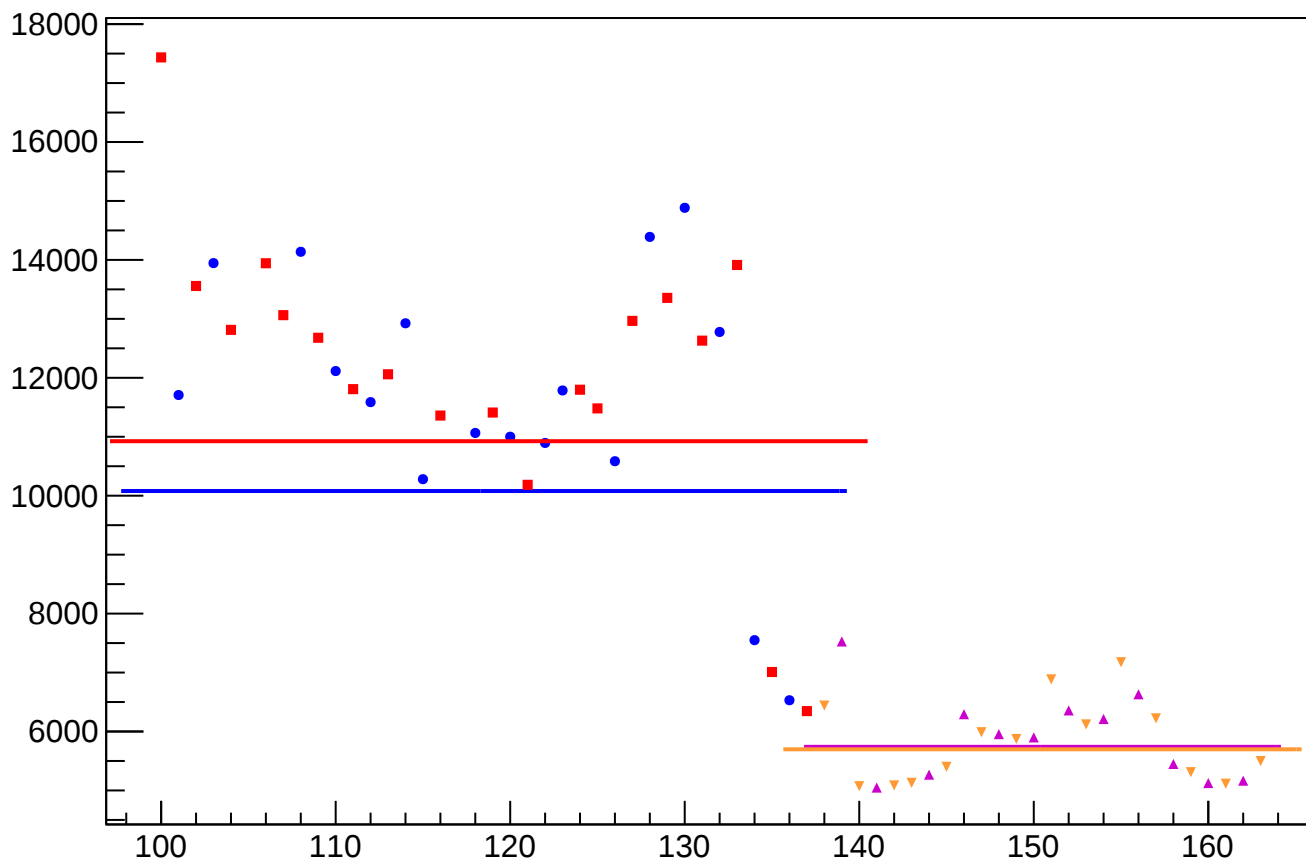
Right: 0.454+/-2.927 χ^2/NDF : 40.6/35

In: 0.919+/-1.688 χ^2/NDF : 34.2/28

Out: 6.756+/-1.634 χ^2/NDF : 52.9/32

All: 3.933+/-1.174 χ^2/NDF : 93.3/61

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10079.454 $\pm$ 2.874 χ^2 /NDF: 994683.1/16

Left Out: 5697.923 $\pm$ 1.253 χ^2 /NDF:245391.8/13

Right Out: 10924.541 $\pm$ 2.983 χ^2 /NDF: 768447.5/18

Left In: 5739.840 $\pm$ 1.313 χ^2 /NDF:237545.2/11

Left: 5717.917 $\pm$ 0.907 χ^2 /NDF: 483470.4/25

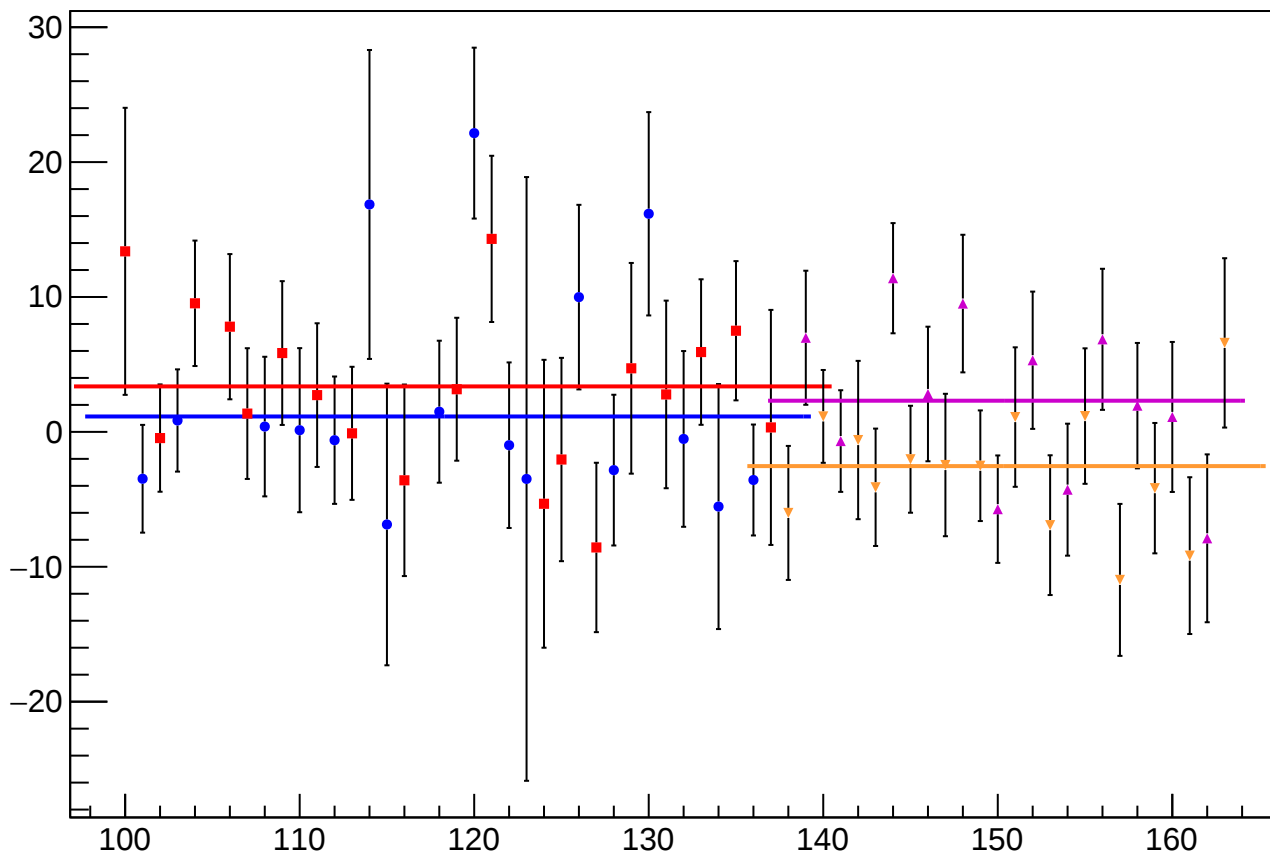
Right: 10486.193 $\pm$ 2.070 χ^2 /NDF: 1804751.7/35

In: 6488.892 $\pm$ 1.194 χ^2 /NDF:3118953.6/28

Out: 6482.158 $\pm$ 1.156 χ^2 /NDF:3622573.7/32

All: 6485.416 $\pm$ 0.830 χ^2 /NDF: 6741543.8/63

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.142 $\pm$ 1.395 χ^2 /NDF: 23.2/16

Left Out: -2.537 $\pm$ 1.281 χ^2 /NDF:9.4/13

Right Out: 3.371 $\pm$ 1.333 χ^2 /NDF: 15.1/18

Left In: 2.311 $\pm$ 1.368 χ^2 /NDF:18.2/11

Left: -0.273 $\pm$ 0.935 χ^2 /NDF: 34.3/25

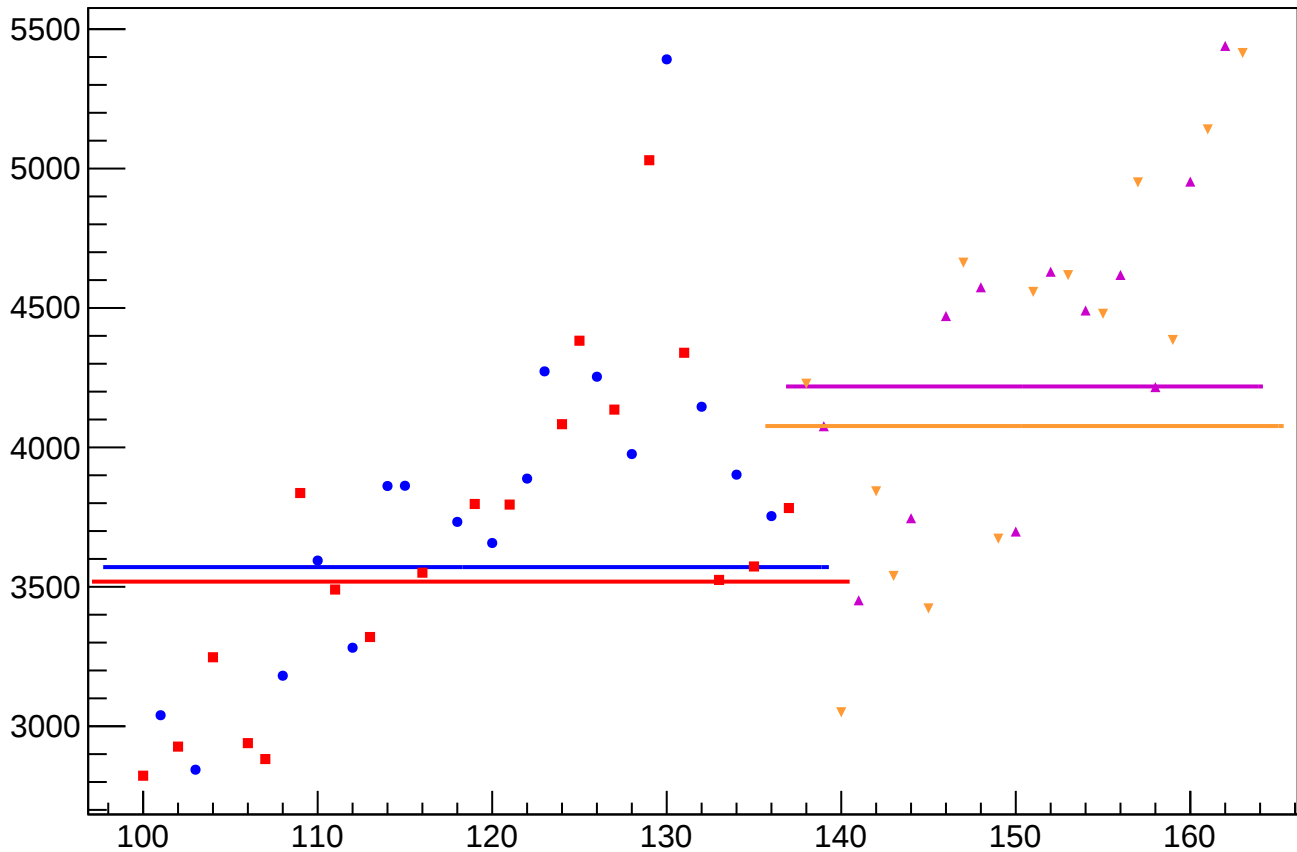
Right: 2.307 $\pm$ 0.964 χ^2 /NDF: 39.6/35

In: 1.738 $\pm$ 0.977 χ^2 /NDF:41.8/28

Out: 0.299 $\pm$ 0.924 χ^2 /NDF:34.7/32

All: 0.978 $\pm$ 0.671 χ^2 /NDF: 77.6/61

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.707+/-0.987 χ^2/NDF : 309568.0/16

Left Out: 4076.604+/-0.906 χ^2/NDF : 578093.6/13

Right Out: 3518.621+/-0.943 χ^2/NDF : 293227.8/18

Left In: 4218.536+/-0.968 χ^2/NDF : 303208.9/11

Left: 4142.888+/-0.661 χ^2/NDF : 892768.7/25

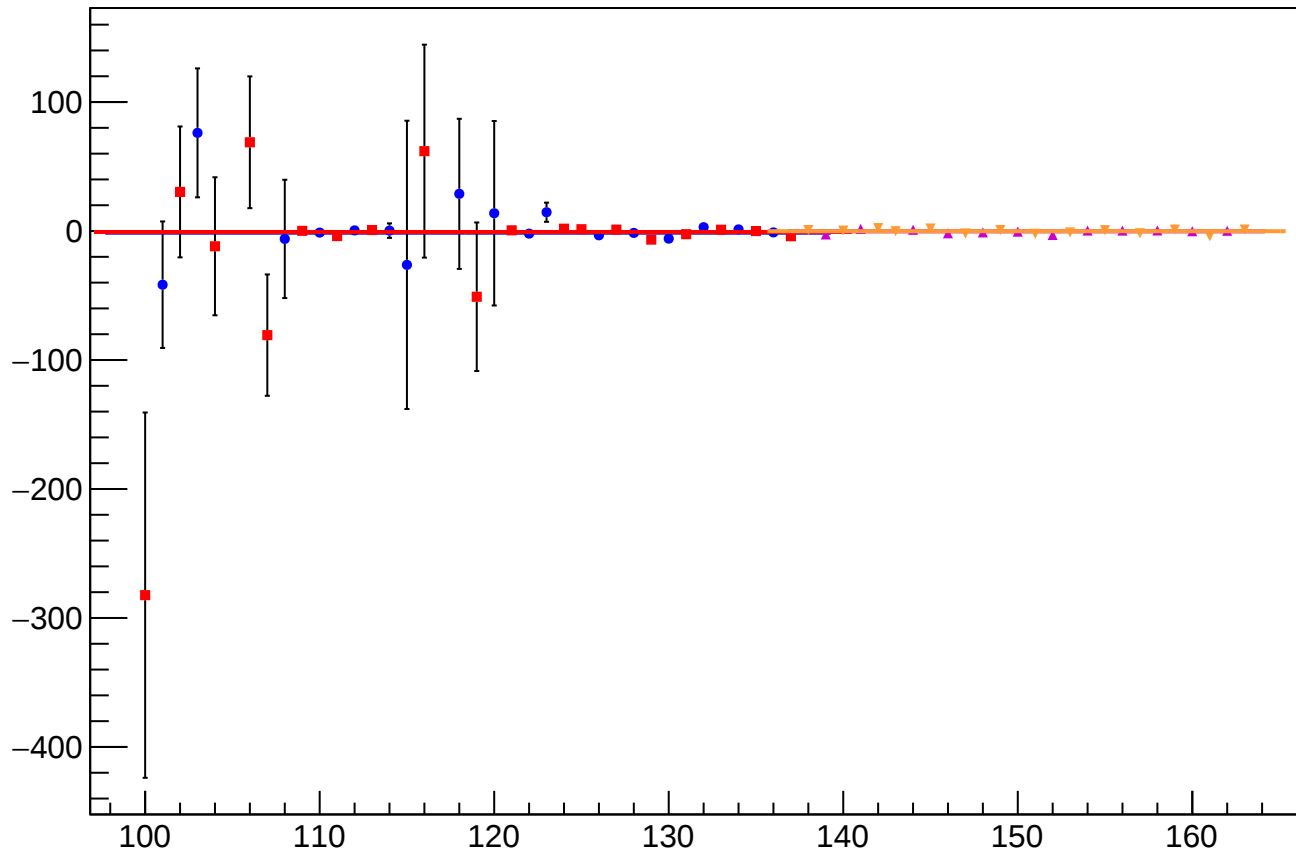
Right: 3543.480+/-0.682 χ^2/NDF : 604252.9/35

In: 3900.881+/-0.691 χ^2/NDF : 832541.6/28

Out: 3808.737+/-0.653 χ^2/NDF : 1053486.8/32

All: 3852.228+/-0.475 χ^2/NDF : 1895422.0/63

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.261 ± 0.748 χ^2/NDF : 16.3/16

Left Out: -0.136 ± 0.327 χ^2/NDF : 26.5/13

Right Out: -0.733 ± 0.710 χ^2/NDF : 22.1/18

Left In: -0.224 ± 0.337 χ^2/NDF : 16.2/11

Left: -0.179 ± 0.235 χ^2/NDF : 42.7/25

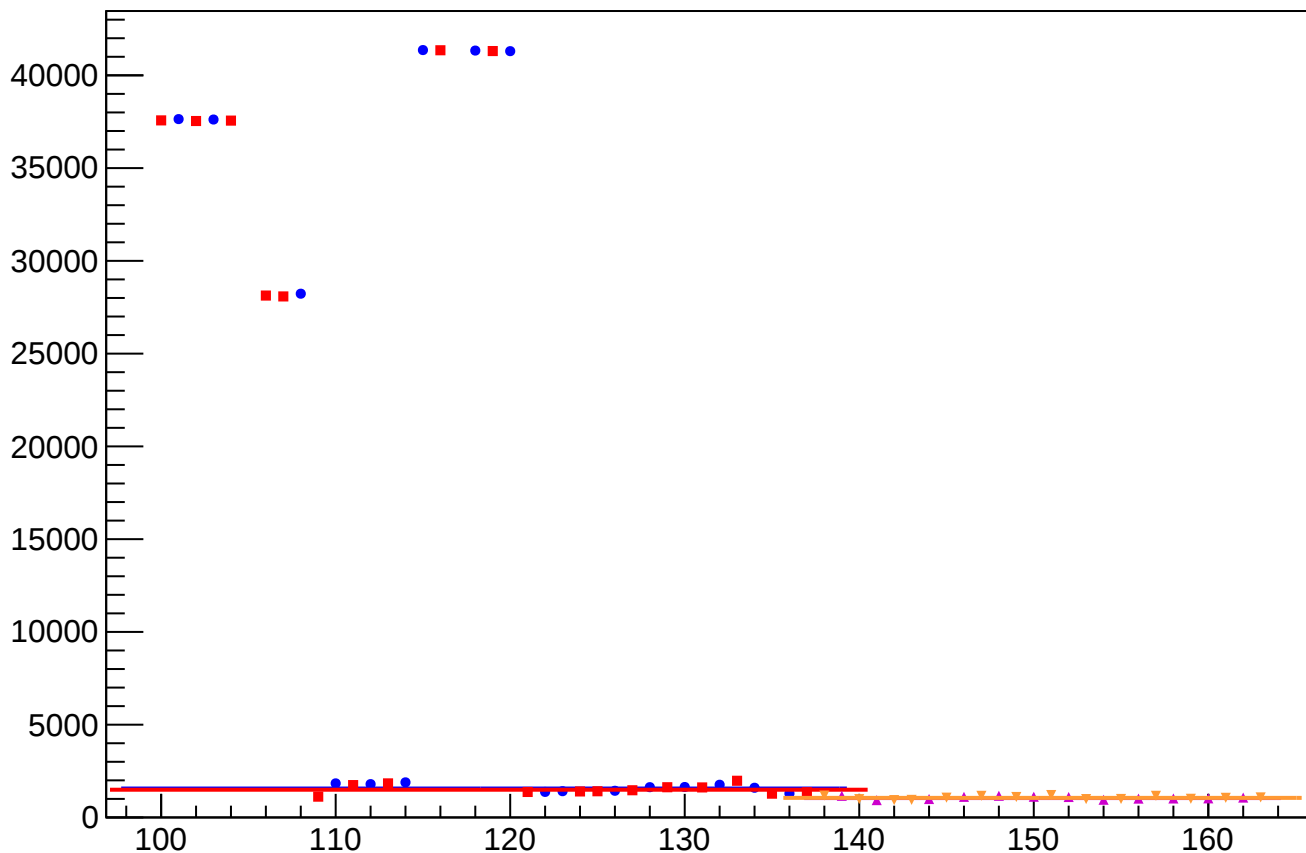
Right: -0.983 ± 0.515 χ^2/NDF : 38.6/35

In: -0.399 ± 0.307 χ^2/NDF : 34.1/28

Out: -0.241 ± 0.297 χ^2/NDF : 49.1/32

All: -0.317 ± 0.213 χ^2/NDF : 83.3/61

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1558.988 $\pm$ 0.529 χ^2 /NDF: 4753669.7/16

Left Out: 1055.076 $\pm$ 0.231 χ^2 /NDF: 129412.6/13

Right Out: 1494.619 $\pm$ 0.502 χ^2 /NDF: 4892920.0/18

Left In: 1045.225 $\pm$ 0.238 χ^2 /NDF: 96808.5/11

Left: 1050.301 $\pm$ 0.166 χ^2 /NDF: 227101.9/25

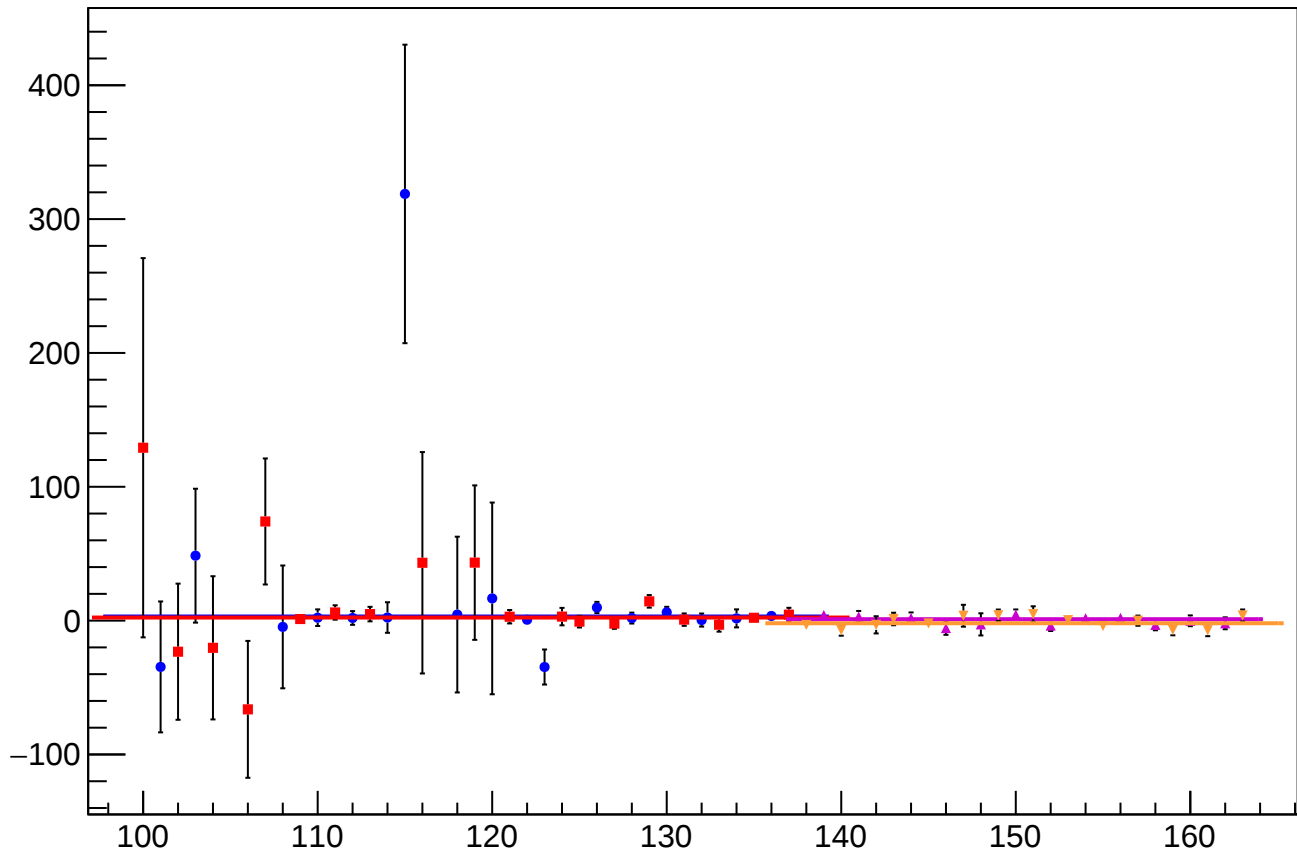
Right: 1525.146 $\pm$ 0.364 χ^2 /NDF: 9654379.4/35

In: 1131.919 $\pm$ 0.217 χ^2 /NDF: 5635085.0/28

Out: 1131.886 $\pm$ 0.210 χ^2 /NDF: 5654370.0/32

All: 1131.902 $\pm$ 0.151 χ^2 /NDF: 11289454.9/6

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.075 ± 1.323 $\chi^2/\text{NDF}: 21.9/16$

Left Out: -1.955 ± 1.063 $\chi^2/\text{NDF}: 11.8/13$

Right Out: 2.306 ± 1.235 $\chi^2/\text{NDF}: 16.9/18$

Left In: 1.062 ± 1.116 $\chi^2/\text{NDF}: 8.0/11$

Left: -0.520 ± 0.769 $\chi^2/\text{NDF}: 23.6/25$

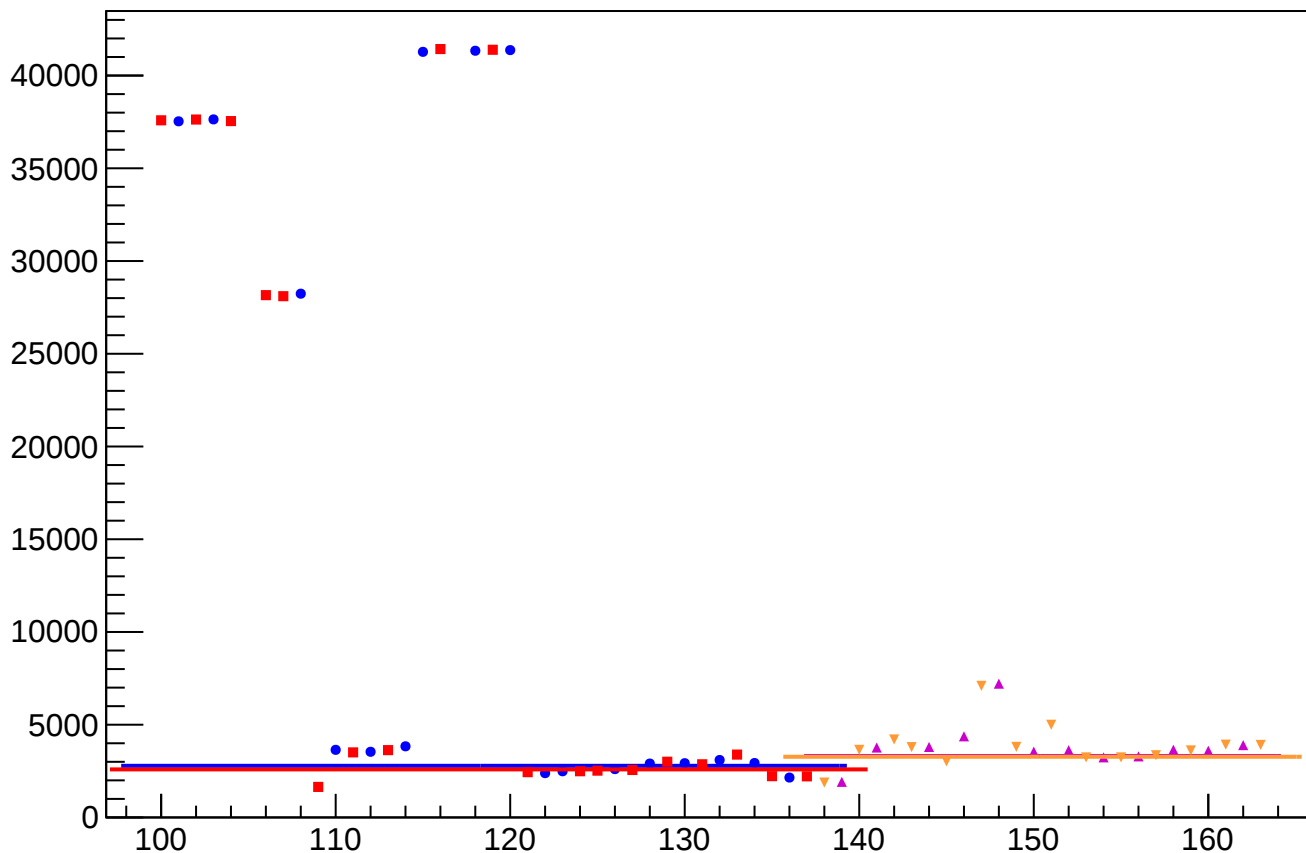
Right: 2.664 ± 0.903 $\chi^2/\text{NDF}: 39.0/35$

In: 1.898 ± 0.853 $\chi^2/\text{NDF}: 31.2/28$

Out: -0.142 ± 0.805 $\chi^2/\text{NDF}: 35.6/32$

All: 0.820 ± 0.586 $\chi^2/\text{NDF}: 69.8/61$

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2783.989+/-0.936 χ^2/NDF : 4577424.2/16

Left Out: 3272.442+/-0.751 χ^2/NDF : 1591556.6/13

Right Out: 2591.161+/-0.873 χ^2/NDF : 4846722.1/18

Left In: 3314.527+/-0.789 χ^2/NDF : 1355600.5/11

Left: 3292.463+/-0.544 χ^2/NDF : 2948649.2/25

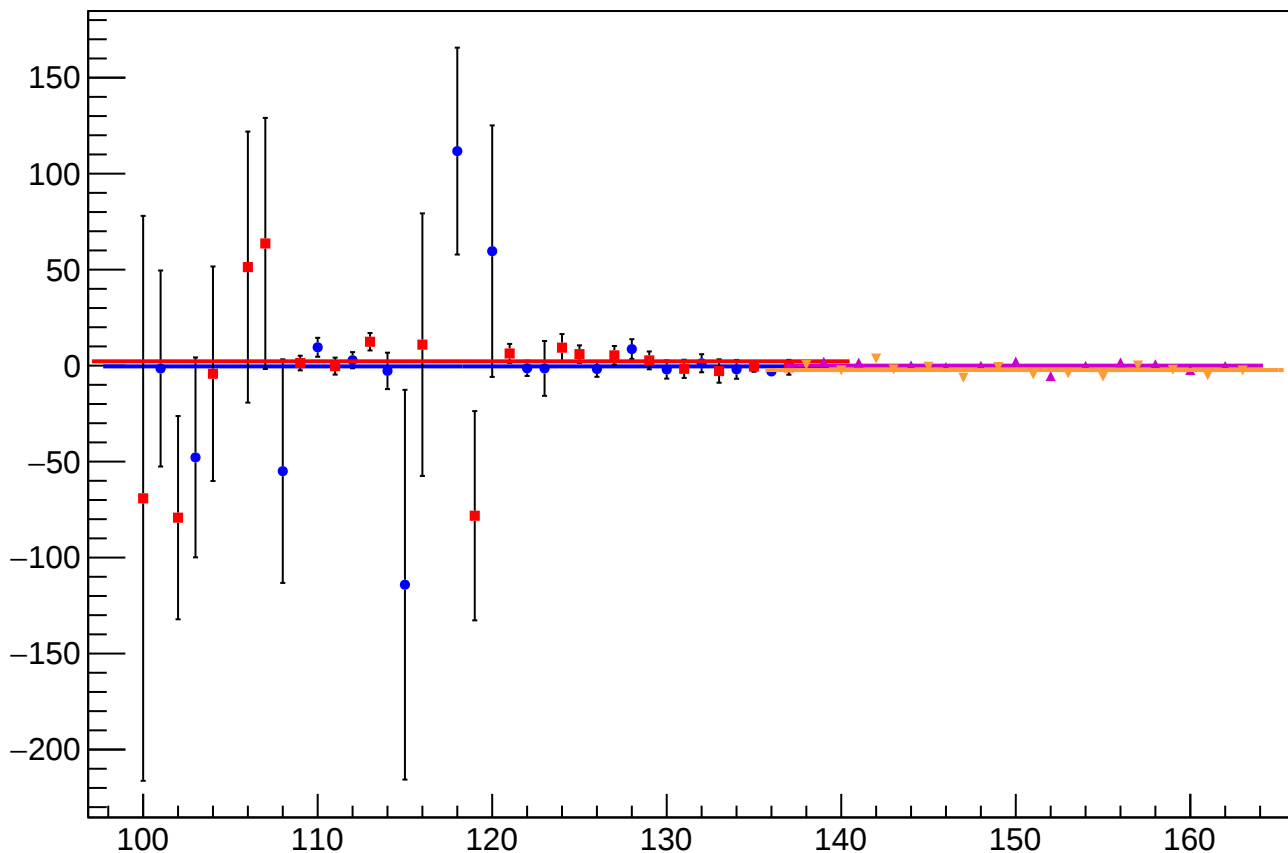
Right: 2680.897+/-0.638 χ^2/NDF : 9446853.4/35

In: 3094.094+/-0.603 χ^2/NDF : 6120952.5/28

Out: 2982.472+/-0.570 χ^2/NDF : 6788124.0/32

All: 3035.087+/-0.414 χ^2/NDF : 12927184.0/60

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -0.403 ± 1.218 χ^2/NDF : 18.3/16

Left Out: -2.307 ± 0.512 χ^2/NDF : 23.2/13

Right Out: 2.245 ± 1.246 χ^2/NDF : 17.4/18

Left In: -0.022 ± 0.533 χ^2/NDF : 13.4/11

Left: -1.211 ± 0.369 χ^2/NDF : 46.1/25

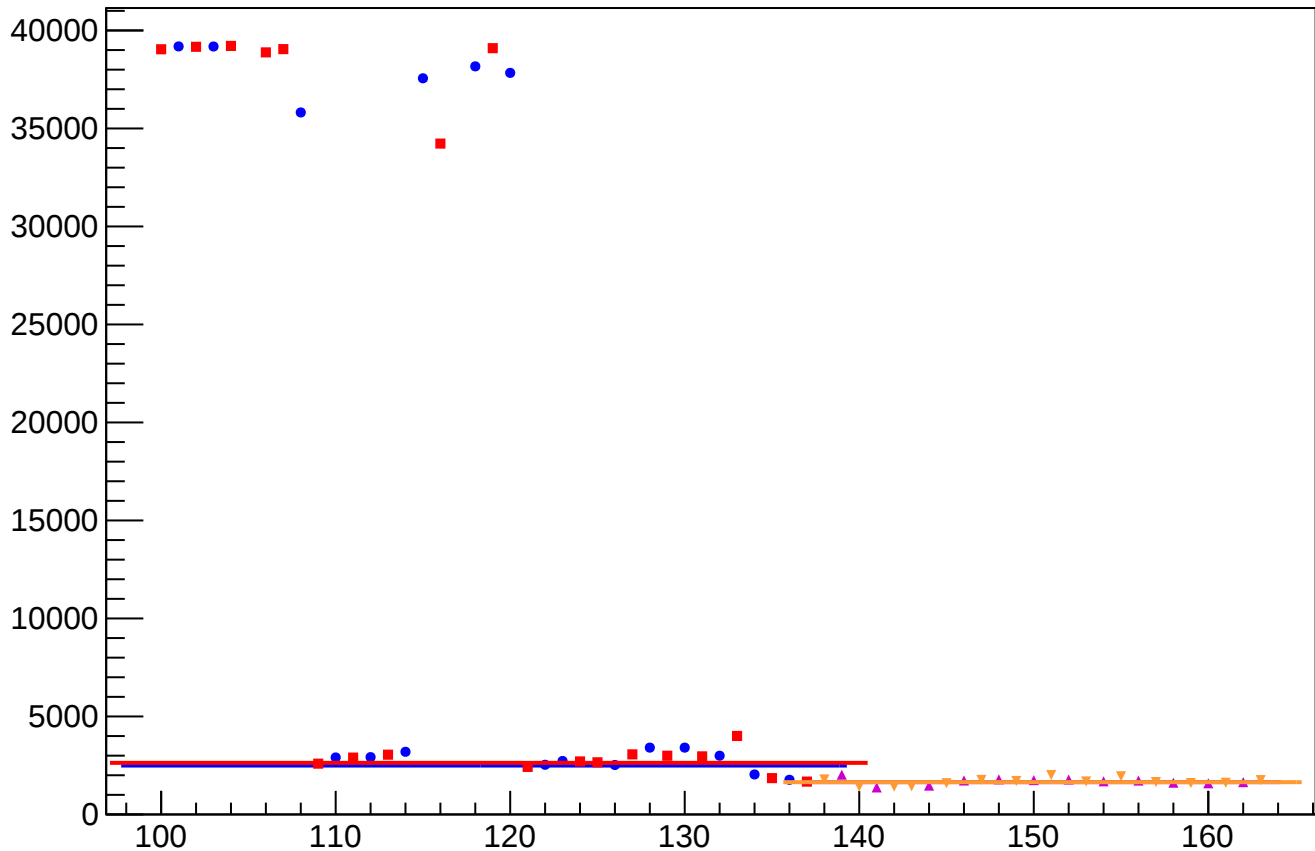
Right: 0.890 ± 0.871 χ^2/NDF : 38.0/35

In: -0.083 ± 0.488 χ^2/NDF : 31.7/28

Out: -1.650 ± 0.473 χ^2/NDF : 52.0/32

All: -0.891 ± 0.340 χ^2/NDF : 89.1/61

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2495.603 $\pm$ 0.861 χ^2 /NDF: 4882334.6/16

Left Out: 1647.643 $\pm$ 0.362 χ^2 /NDF: 209039.3/13

Right Out: 2633.244 $\pm$ 0.881 χ^2 /NDF: 4860512.6/18

Left In: 1650.244 $\pm$ 0.377 χ^2 /NDF: 172871.3/11

Left: 1648.890 $\pm$ 0.261 χ^2 /NDF: 381935.4/25

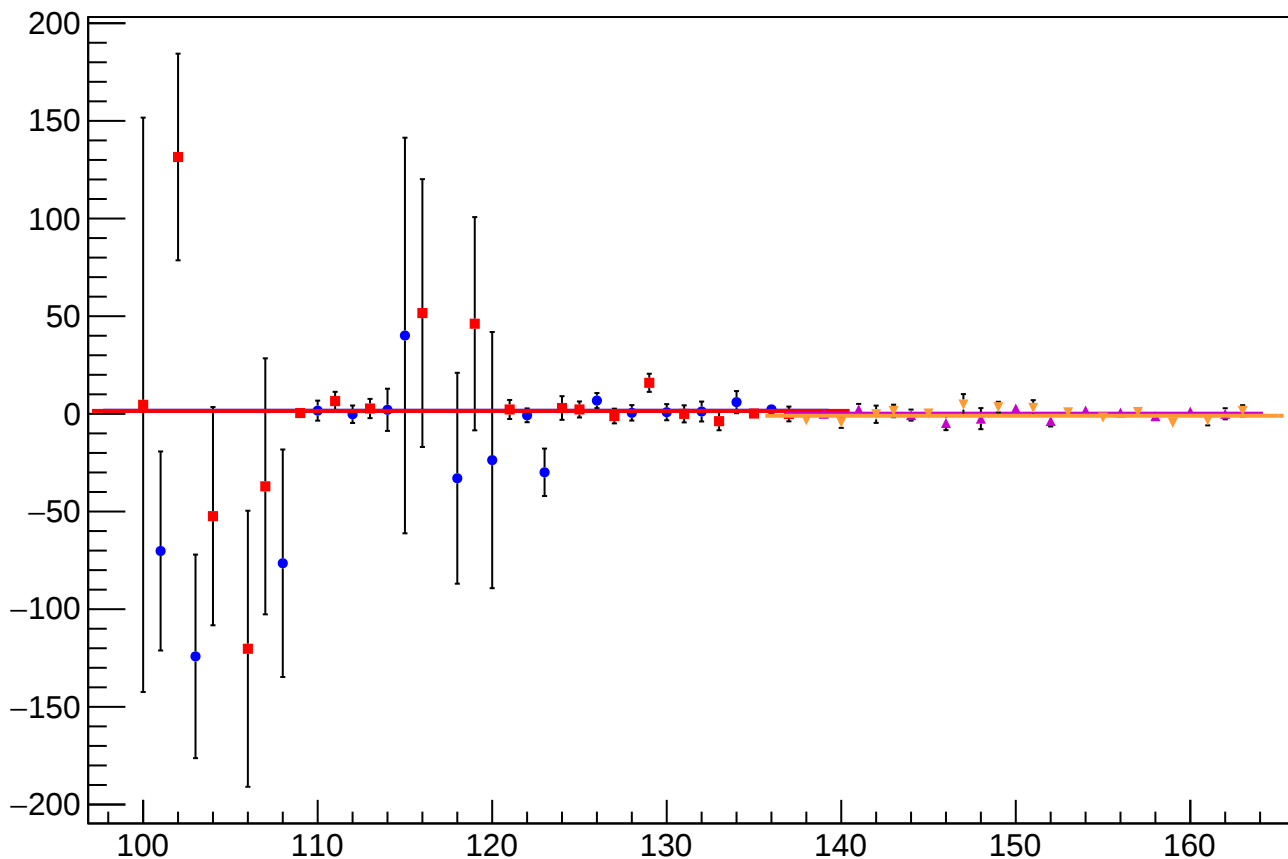
Right: 2562.854 $\pm$ 0.616 χ^2 /NDF: 9755329.9/35

In: 1786.143 $\pm$ 0.345 χ^2 /NDF: 5863977.3/28

Out: 1789.892 $\pm$ 0.335 χ^2 /NDF: 6140477.0/32

All: 1788.076 $\pm$ 0.240 χ^2 /NDF: 12004515.0/66

diff_bpm1p03aY_mean vs Slug, Sign Corrected



Right In: 1.576 ± 1.143 $\chi^2/\text{NDF}: 20.3/16$

Left Out: -0.968 ± 0.695 $\chi^2/\text{NDF}: 14.5/13$

Right Out: 1.524 ± 1.062 $\chi^2/\text{NDF}: 25.0/18$

Left In: 0.093 ± 0.701 $\chi^2/\text{NDF}: 6.5/11$

Left: -0.442 ± 0.493 $\chi^2/\text{NDF}: 22.2/25$

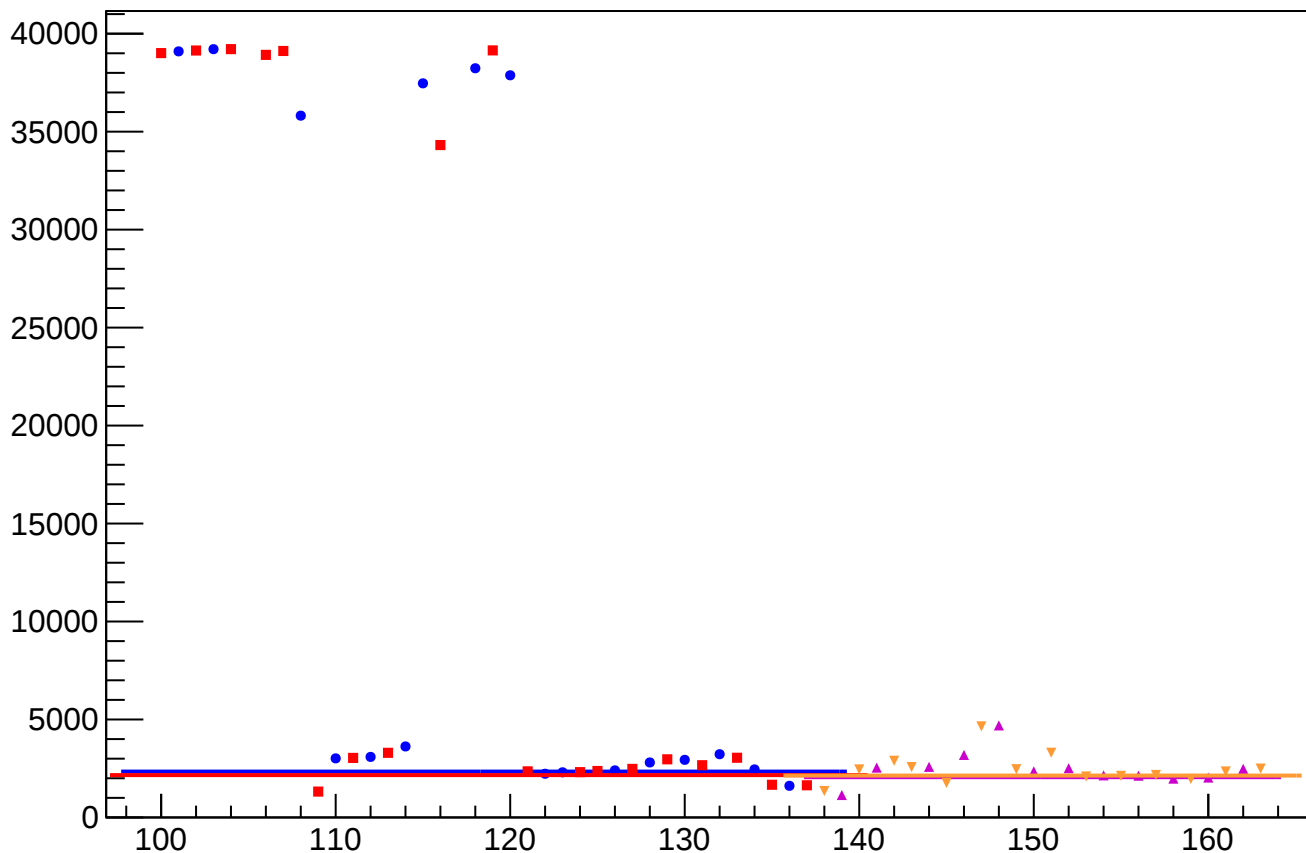
Right: 1.548 ± 0.778 $\chi^2/\text{NDF}: 45.4/35$

In: 0.498 ± 0.597 $\chi^2/\text{NDF}: 28.1/28$

Out: -0.221 ± 0.582 $\chi^2/\text{NDF}: 43.4/32$

All: 0.129 ± 0.417 $\chi^2/\text{NDF}: 72.3/61$

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2341.130+/-0.808 χ^2/NDF : 5006864.7/16

Left Out: 2137.562+/-0.491 χ^2/NDF :1312960.1/13

Right Out: 2161.162+/-0.751 χ^2/NDF : 5299050.1/18

Left In: 2055.168+/-0.495 χ^2/NDF :1794578.7/11

Left: 2096.698+/-0.349 χ^2/NDF : 3121477.5/25

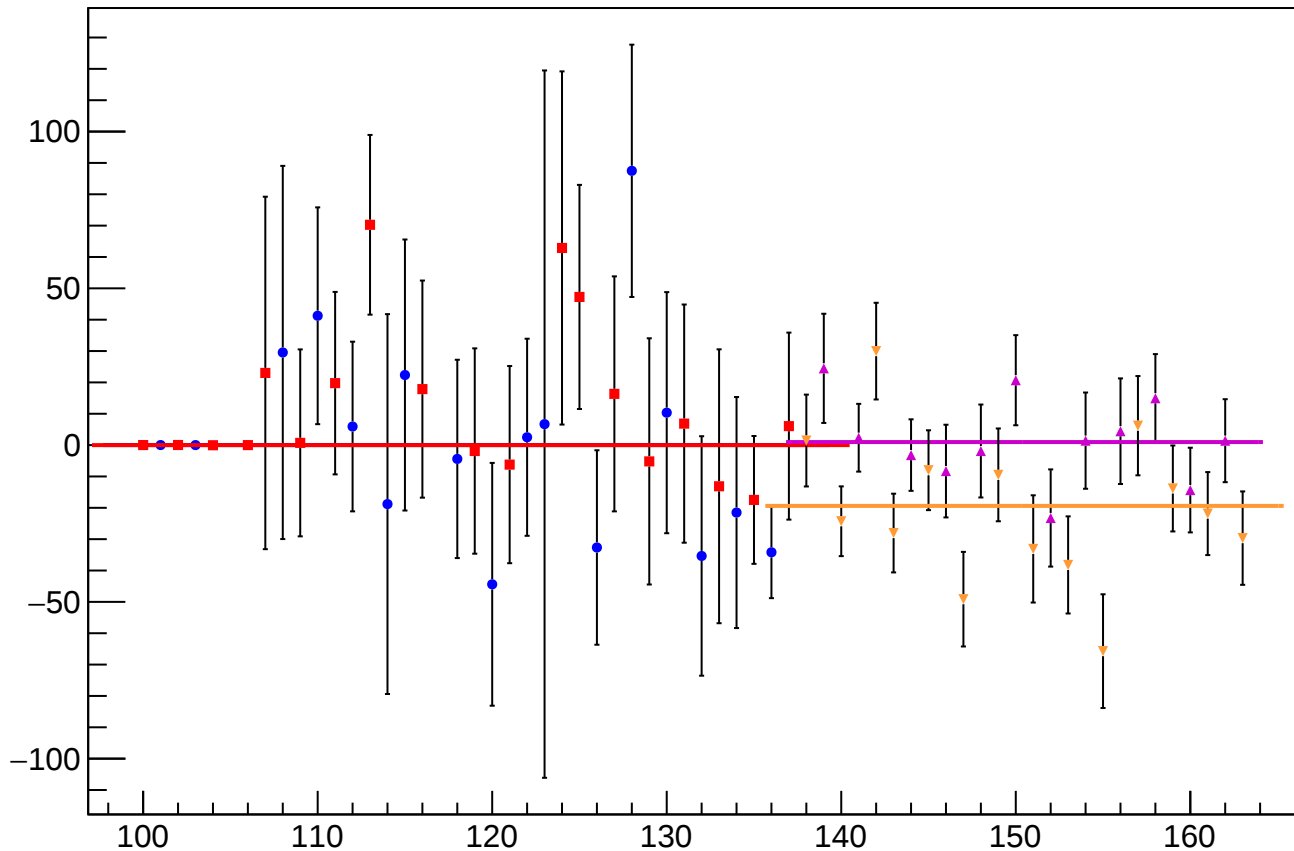
Right: 2244.559+/-0.550 χ^2/NDF : 10332522.7/35

In: 2133.285+/-0.422 χ^2/NDF :6892438.3/28

Out: 2144.638+/-0.411 χ^2/NDF :6612701.5/32

All: 2139.113+/-0.295 χ^2/NDF : 13505510.6/66

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 16.2/16

Left Out: -19.386 $\pm$ 3.819 χ^2 /NDF:30.0/13

Right Out: -0.003 $\pm$ 0.016 χ^2 /NDF: 15.9/18

Left In: 0.971 $\pm$ 4.026 χ^2 /NDF:9.0/11

Left: -9.745 $\pm$ 2.771 χ^2 /NDF: 52.5/25

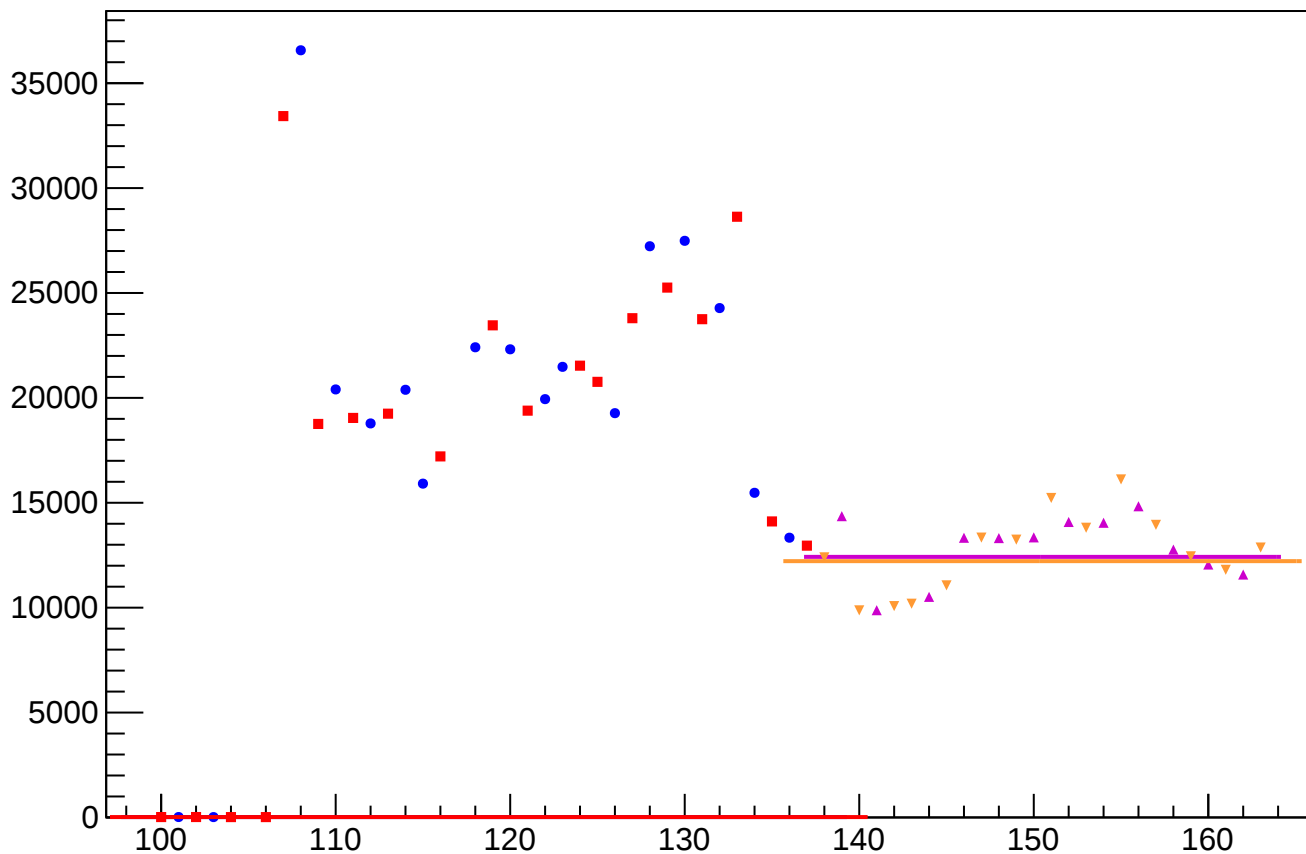
Right: 0.004 $\pm$ 0.012 χ^2 /NDF: 32.5/35

In: 0.013 $\pm$ 0.017 χ^2 /NDF:25.2/28

Out: -0.004 $\pm$ 0.016 χ^2 /NDF:71.7/32

All: 0.004 $\pm$ 0.012 χ^2 /NDF: 97.4/61

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.642 $\pm$ 0.012 χ^2 /NDF: 10984160.5/16

Left Out: 12217.066 $\pm$ 2.700 χ^2 /NDF: 422851.3/13

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11110665.6/18

Left In: 12421.345 $\pm$ 2.847 χ^2 /NDF: 311894.2/11

Left: 12313.808 $\pm$ 1.959 χ^2 /NDF: 737456.1/25

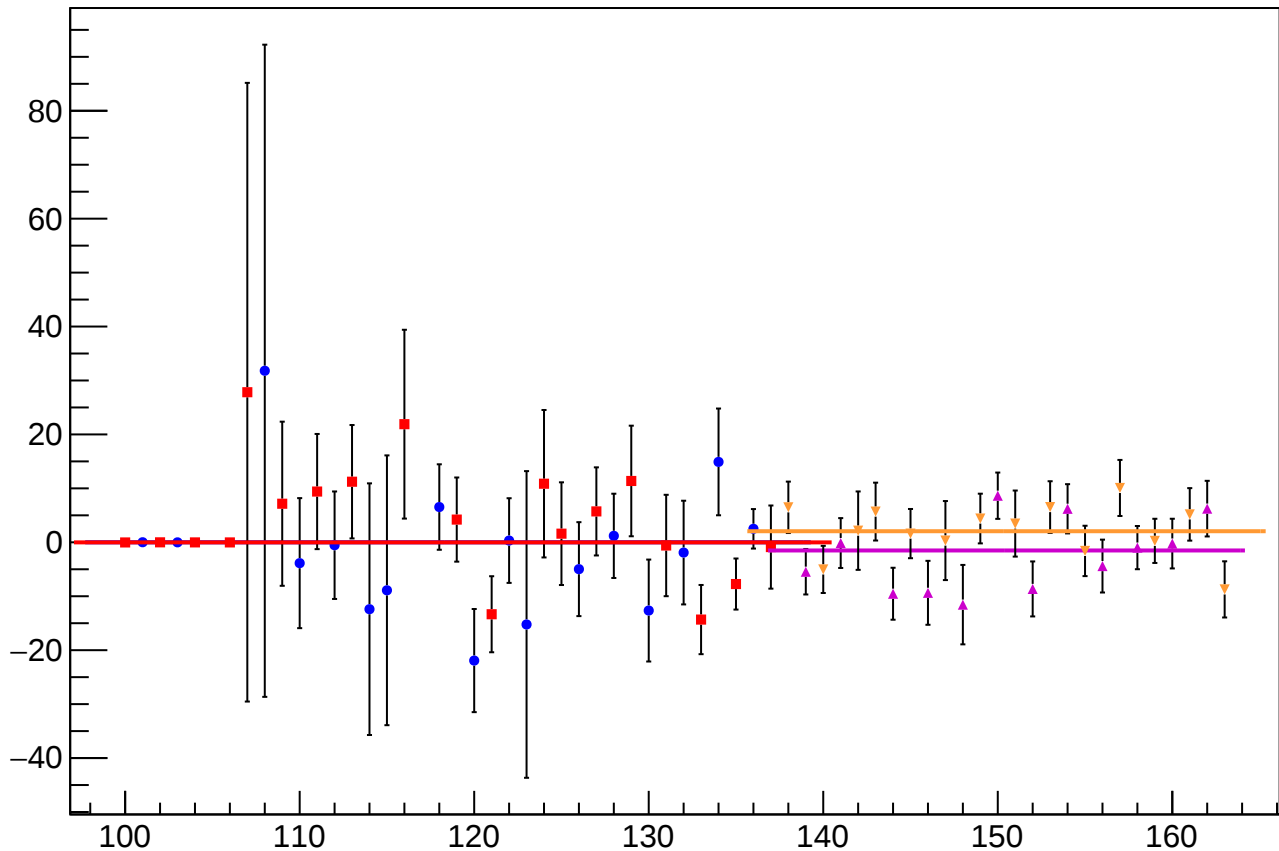
Right: 18.464 $\pm$ 0.008 χ^2 /NDF: 22095216.5/35

In: 18.872 $\pm$ 0.012 χ^2 /NDF: 30276206.2/28

Out: 18.528 $\pm$ 0.011 χ^2 /NDF: 31943348.8/32

All: 18.687 $\pm$ 0.008 χ^2 /NDF: 62219978.7/61

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 $\chi^2/\text{NDF}: 13.0/16$

Left Out: 2.055 ± 1.341 $\chi^2/\text{NDF}: 13.1/13$

Right Out: -0.014 ± 0.009 $\chi^2/\text{NDF}: 18.6/18$

Left In: -1.514 ± 1.383 $\chi^2/\text{NDF}: 20.5/11$

Left: 0.325 ± 0.963 $\chi^2/\text{NDF}: 37.0/25$

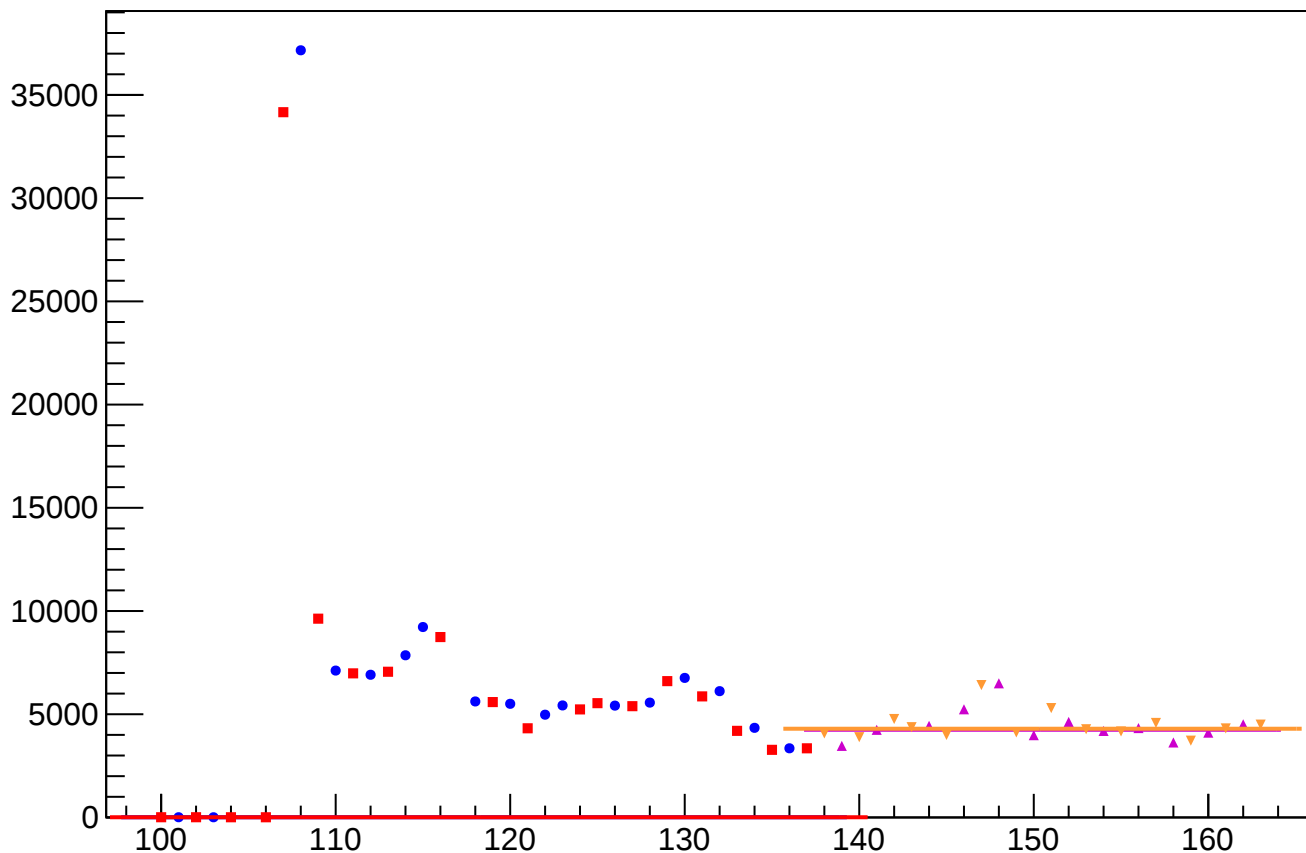
Right: -0.007 ± 0.006 $\chi^2/\text{NDF}: 33.0/35$

In: 0.001 ± 0.009 $\chi^2/\text{NDF}: 34.7/28$

Out: -0.014 ± 0.009 $\chi^2/\text{NDF}: 34.0/32$

All: -0.007 ± 0.006 $\chi^2/\text{NDF}: 70.1/61$

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.939+/-0.007 χ^2/NDF : 11114526.8/16

Left Out: 4297.910+/-0.949 χ^2/NDF :312916.8/13

Right Out: 9.854+/-0.006 χ^2/NDF : 11159992.3/18

Left In: 4248.131+/-0.978 χ^2/NDF :388135.7/11

Left: 4273.786+/-0.681 χ^2/NDF : 702387.3/25

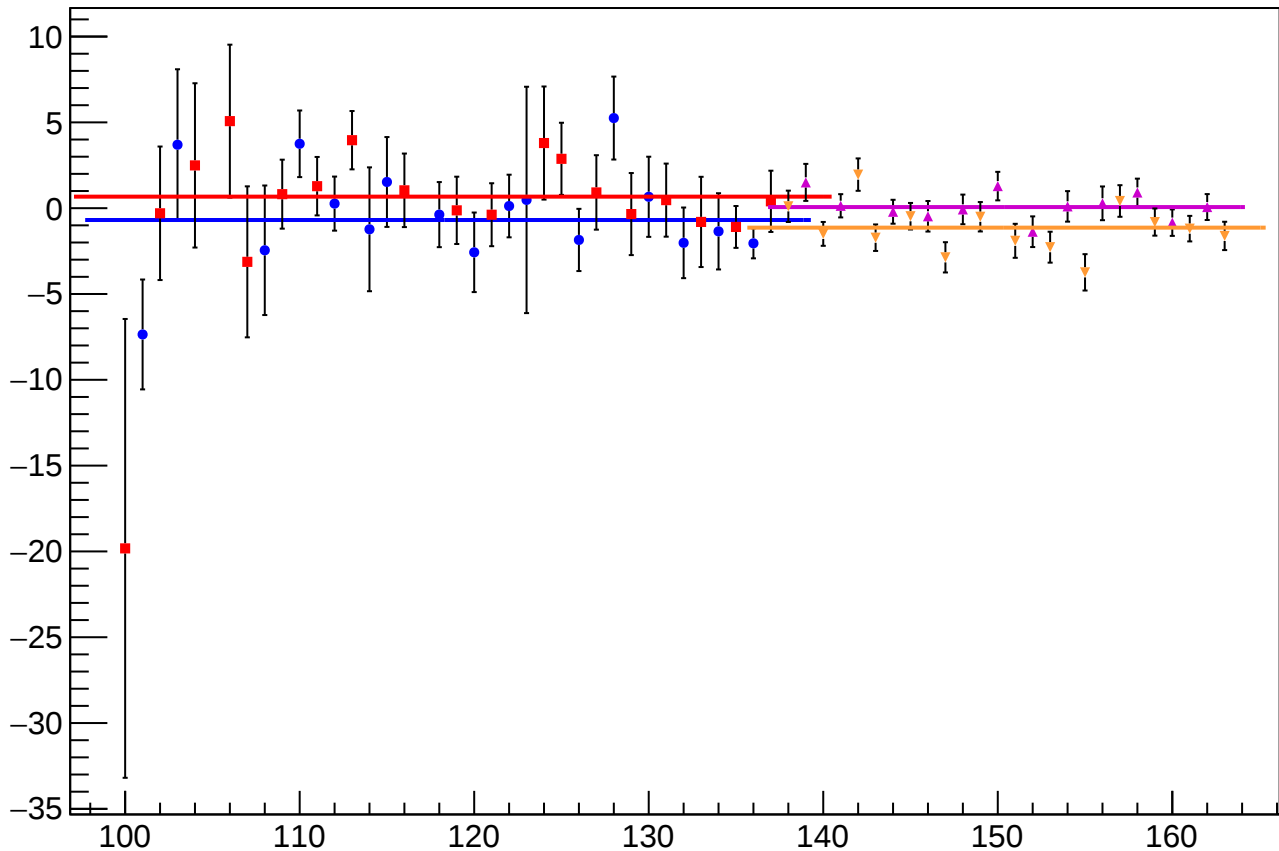
Right: 9.894+/-0.004 χ^2/NDF : 22274609.0/35

In: 10.127+/-0.007 χ^2/NDF :30275398.0/28

Out: 10.033+/-0.006 χ^2/NDF :31909176.0/32

All: 10.077+/-0.004 χ^2/NDF : 62184684.5/61

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.689 $\pm$ 0.482 χ^2/NDF : 22.5/16

Left Out: -1.134 $\pm$ 0.226 χ^2/NDF : 30.2/13

Right Out: 0.672 $\pm$ 0.501 χ^2/NDF : 13.3/18

Left In: 0.065 $\pm$ 0.238 χ^2/NDF : 9.6/11

Left: -0.565 $\pm$ 0.164 χ^2/NDF : 53.1/25

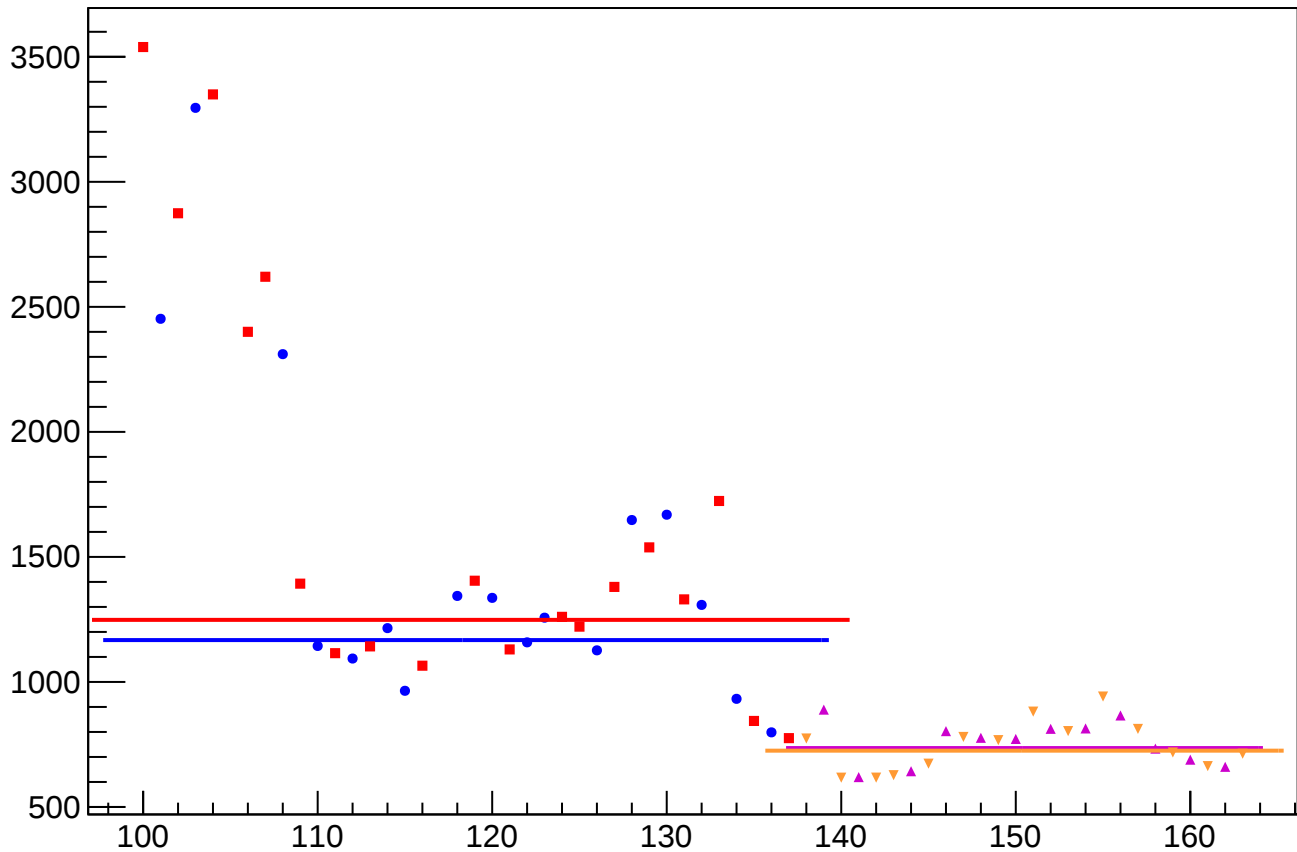
Right: -0.034 $\pm$ 0.347 χ^2/NDF : 39.7/35

In: -0.083 $\pm$ 0.213 χ^2/NDF : 34.1/28

Out: -0.828 $\pm$ 0.206 χ^2/NDF : 54.3/32

All: -0.468 $\pm$ 0.148 χ^2/NDF : 94.7/61

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1167.397 $\pm$ 0.341 χ^2 /NDF: 1578328.1/16

Left Out: 725.201 $\pm$ 0.160 χ^2 /NDF: 314455.3/13

Right Out: 1248.241 $\pm$ 0.354 χ^2 /NDF: 1654028.9/18

Left In: 735.560 $\pm$ 0.168 χ^2 /NDF: 247291.3/11

Left: 730.114 $\pm$ 0.116 χ^2 /NDF: 563740.2/25

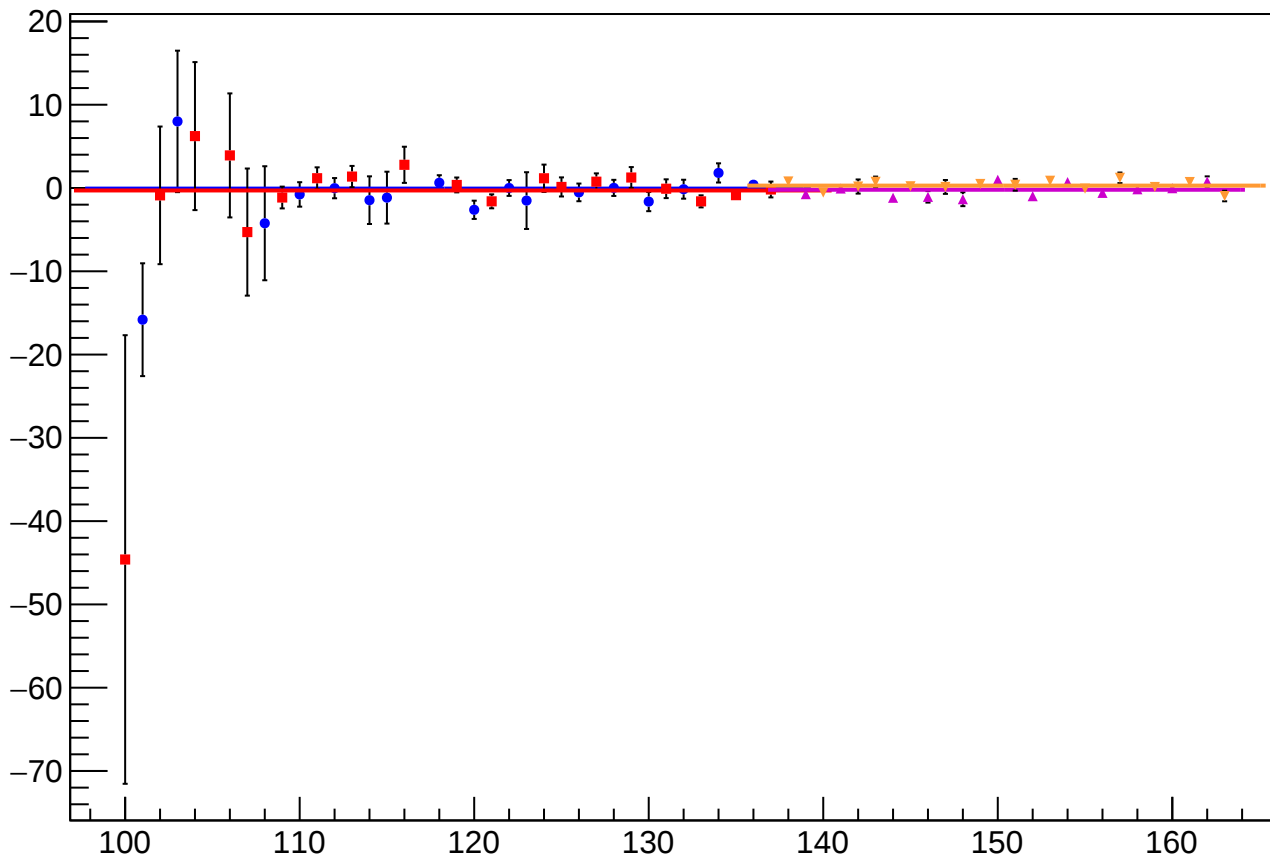
Right: 1206.306 $\pm$ 0.246 χ^2 /NDF: 3259405.5/35

In: 820.086 $\pm$ 0.151 χ^2 /NDF: 3115303.1/28

Out: 813.714 $\pm$ 0.146 χ^2 /NDF: 3781764.3/32

All: 816.787 $\pm$ 0.105 χ^2 /NDF: 6897990.7/61

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.072 ± 0.269 χ^2/NDF : 19.2/16

Left Out: 0.287 ± 0.161 χ^2/NDF : 12.3/13

Right Out: -0.294 ± 0.264 χ^2/NDF : 20.2/18

Left In: -0.210 ± 0.166 χ^2/NDF : 20.4/11

Left: 0.048 ± 0.116 χ^2/NDF : 37.3/25

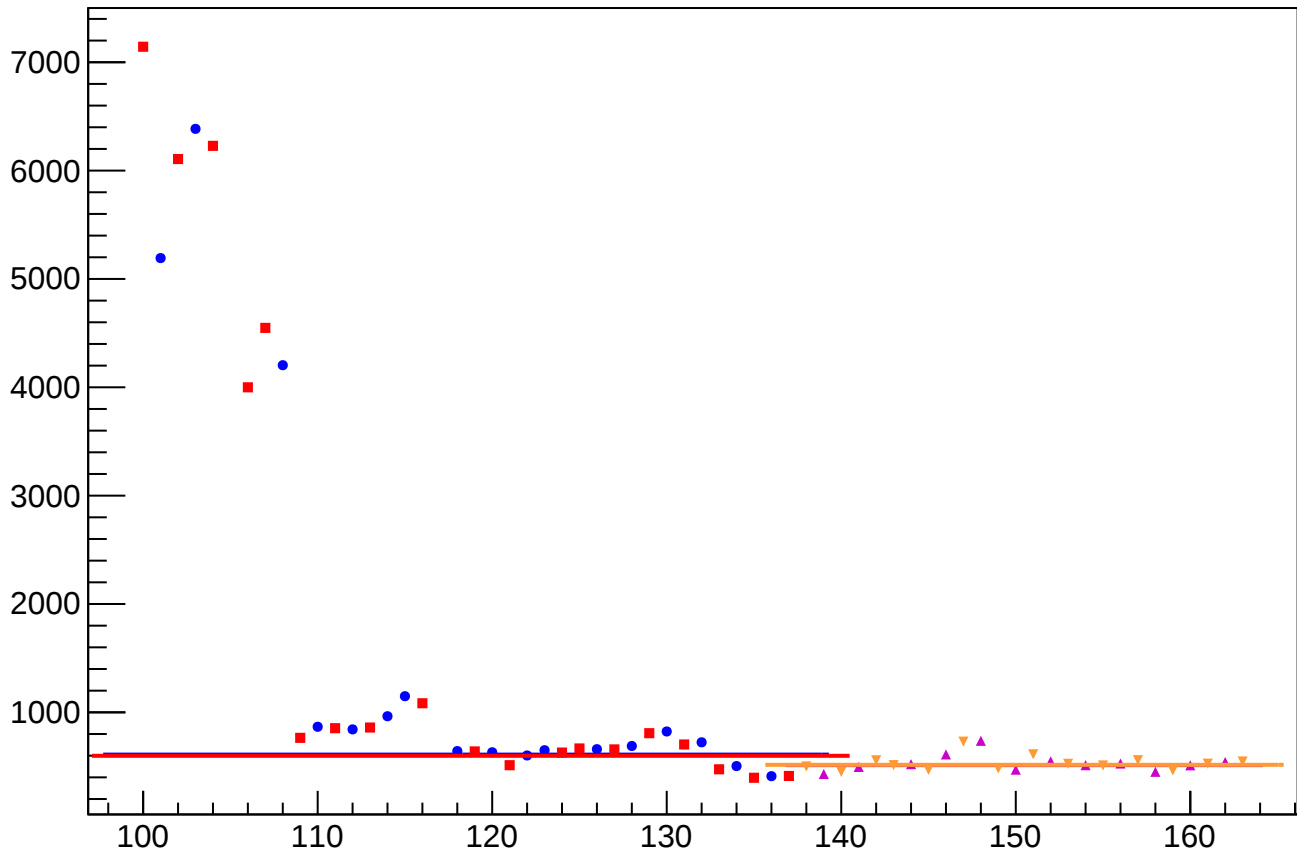
Right: -0.185 ± 0.188 χ^2/NDF : 39.8/35

In: -0.171 ± 0.142 χ^2/NDF : 39.8/28

Out: 0.130 ± 0.137 χ^2/NDF : 36.1/32

All: -0.016 ± 0.099 χ^2/NDF : 78.2/61

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.780 $\pm$ 0.190 χ^2 /NDF: 3135978.5/16

Left Out: 515.716 $\pm$ 0.114 χ^2 /NDF: 267989.6/13

Right Out: 599.018 $\pm$ 0.187 χ^2 /NDF: 3552387.3/18

Left In: 512.758 $\pm$ 0.118 χ^2 /NDF: 293841.0/11

Left: 514.289 $\pm$ 0.082 χ^2 /NDF: 562157.4/25

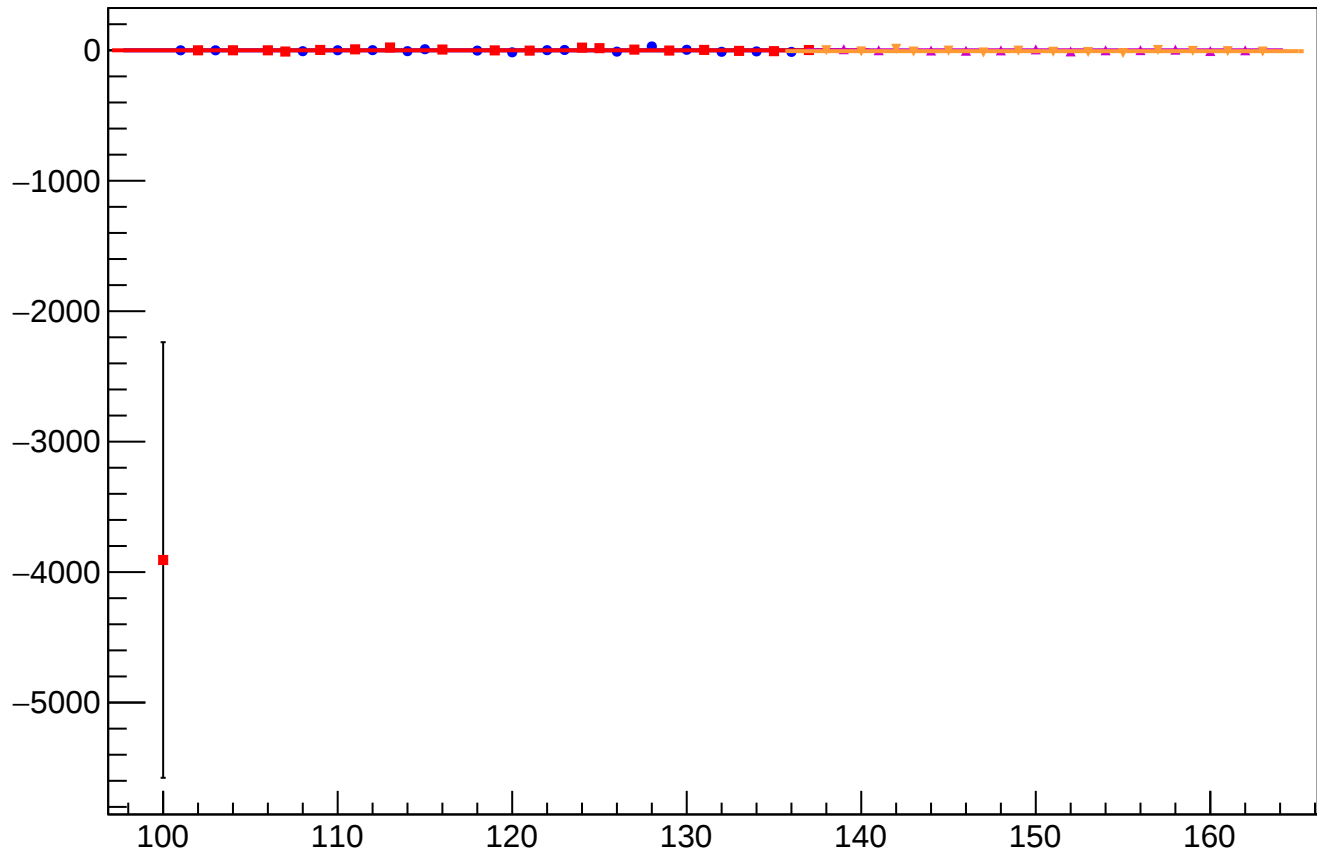
Right: 604.304 $\pm$ 0.133 χ^2 /NDF: 6689999.6/35

In: 539.688 $\pm$ 0.100 χ^2 /NDF: 3618365.0/28

Out: 538.242 $\pm$ 0.097 χ^2 /NDF: 3965755.9/32

All: 538.943 $\pm$ 0.070 χ^2 /NDF: 7584228.6/61

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.6/16

Left Out: -6.541 ± 1.316 χ^2/NDF : 30.2/13

Right Out: 0.027 ± 0.020 χ^2/NDF : 17.9/18

Left In: 0.351 ± 1.388 χ^2/NDF : 9.5/11

Left: -3.279 ± 0.955 χ^2/NDF : 52.8/25

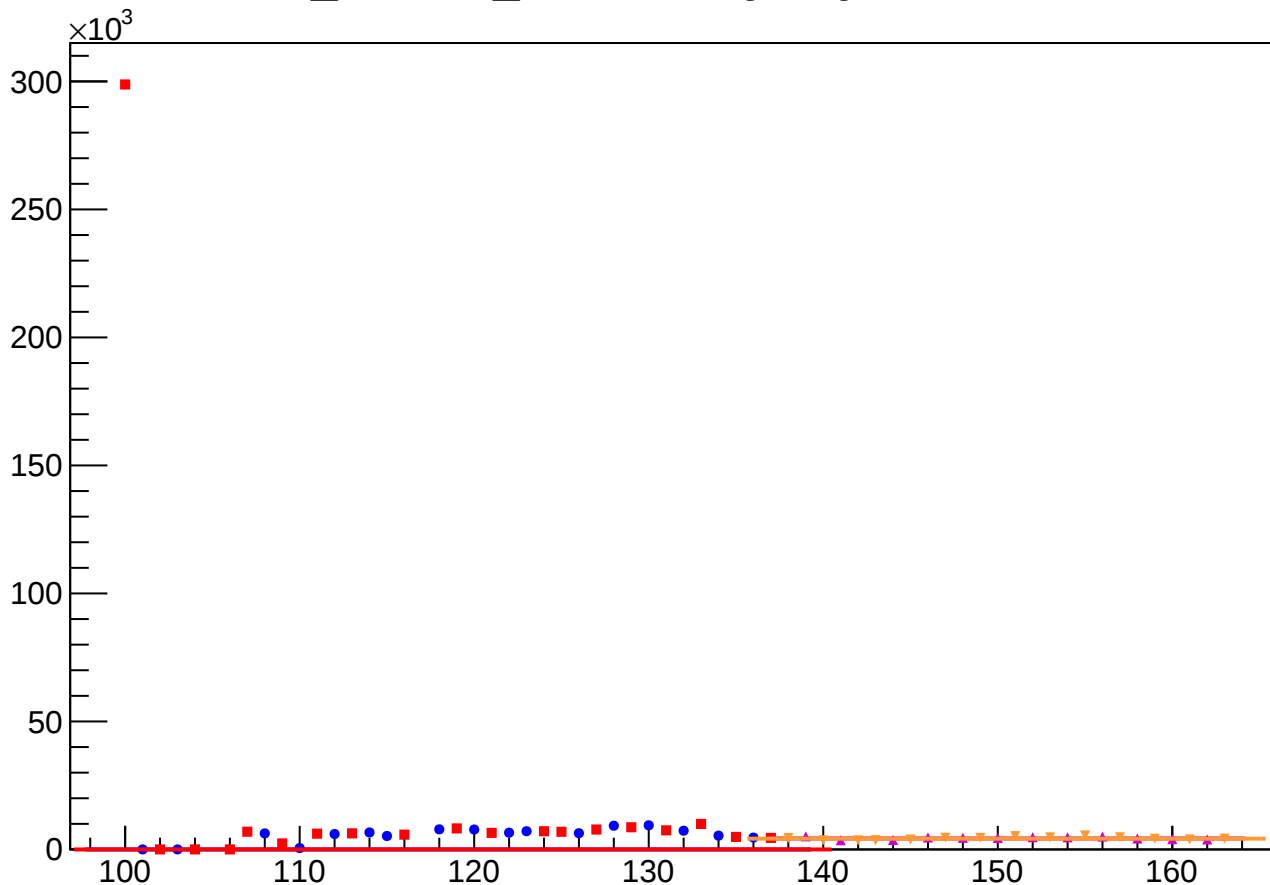
Right: 0.004 ± 0.014 χ^2/NDF : 36.4/35

In: -0.022 ± 0.021 χ^2/NDF : 25.2/28

Out: 0.025 ± 0.020 χ^2/NDF : 73.0/32

All: 0.003 ± 0.014 χ^2/NDF : 100.9/61

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.341 ± 0.015 χ^2/NDF : 10501445.0/16

Left Out: 4221.466 ± 0.931 χ^2/NDF : 333426.9/13

Right Out: 17.269 ± 0.014 χ^2/NDF : 10820611.7/18

Left In: 4291.806 ± 0.982 χ^2/NDF : 253133.6/11

Left: 4254.756 ± 0.675 χ^2/NDF : 589264.2/25

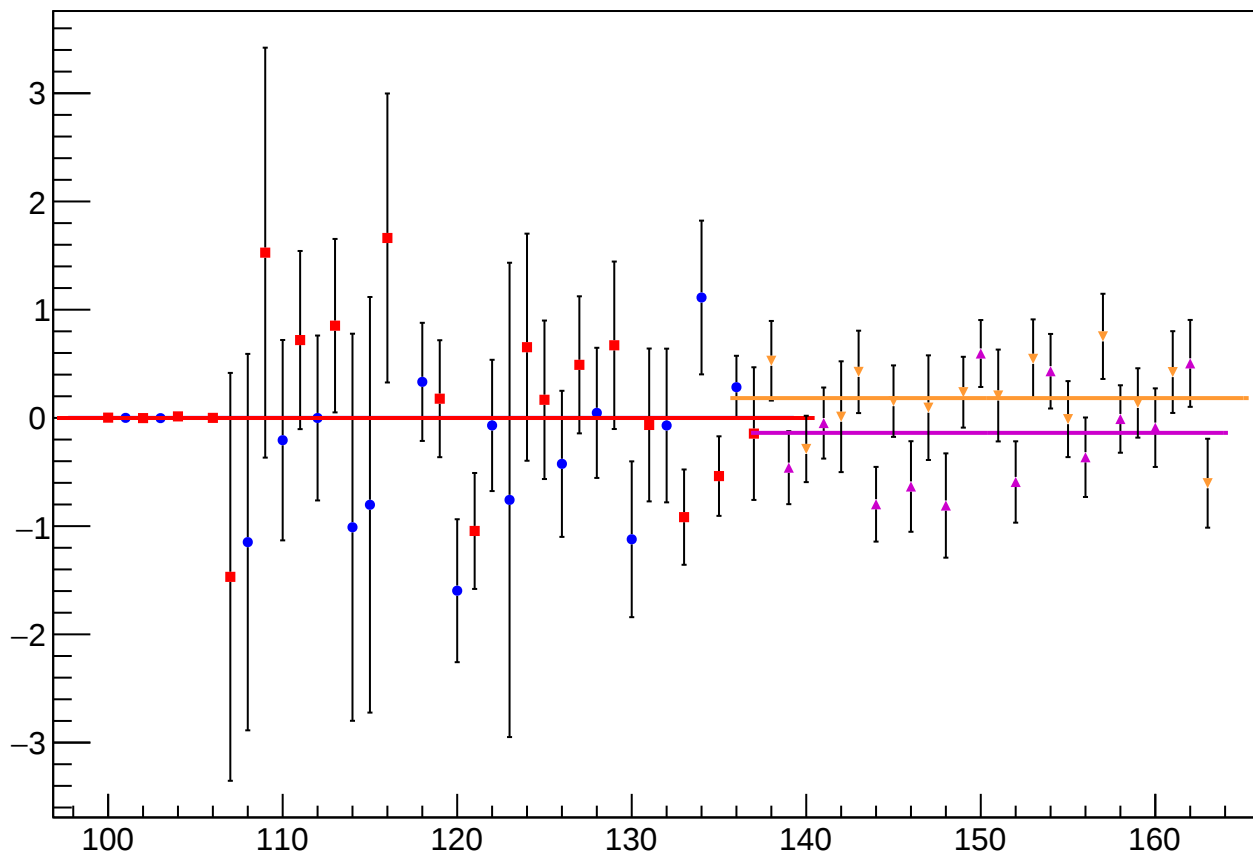
Right: 17.303 ± 0.010 χ^2/NDF : 21322069.2/35

In: 18.299 ± 0.015 χ^2/NDF : 29706578.6/28

Out: 18.218 ± 0.014 χ^2/NDF : 31558196.7/32

All: 18.256 ± 0.010 χ^2/NDF : 61264791.5/61

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 13.8/16

Left Out: 0.183 ± 0.099 χ^2/NDF : 11.3/13

Right Out: -0.001 ± 0.002 χ^2/NDF : 17.9/18

Left In: -0.138 ± 0.103 χ^2/NDF : 20.9/11

Left: 0.029 ± 0.071 χ^2/NDF : 37.3/25

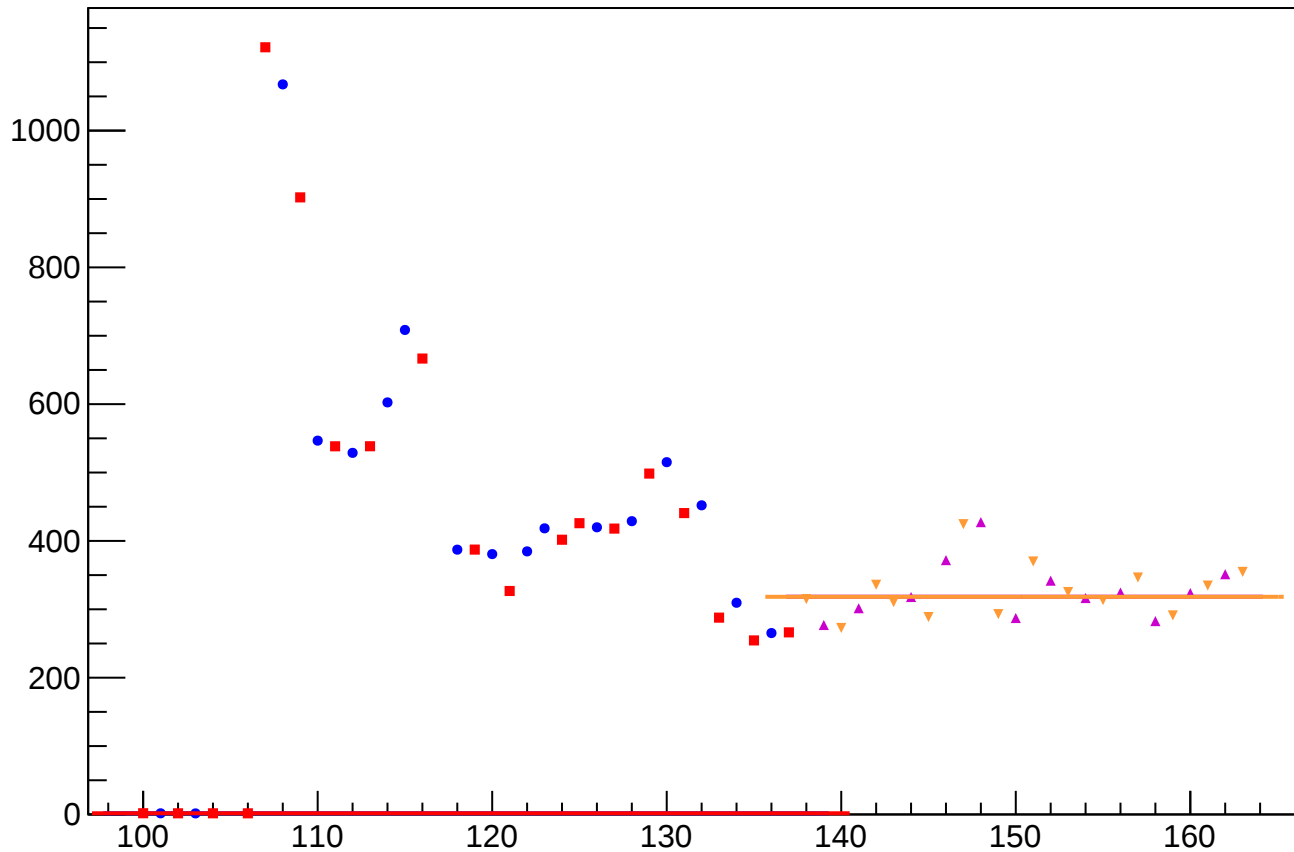
Right: -0.000 ± 0.001 χ^2/NDF : 31.8/35

In: 0.000 ± 0.002 χ^2/NDF : 36.5/28

Out: -0.001 ± 0.002 χ^2/NDF : 32.7/32

All: -0.000 ± 0.001 χ^2/NDF : 69.2/61

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.699+/-0.001 χ^2/NDF : 11053026.2/16

Left Out: 318.266+/-0.070 χ^2/NDF : 247046.9/13

Right Out: 1.728+/-0.001 χ^2/NDF : 10743910.0/18

Left In: 318.401+/-0.073 χ^2/NDF : 239138.7/11

Left: 318.331+/-0.051 χ^2/NDF : 486187.4/25

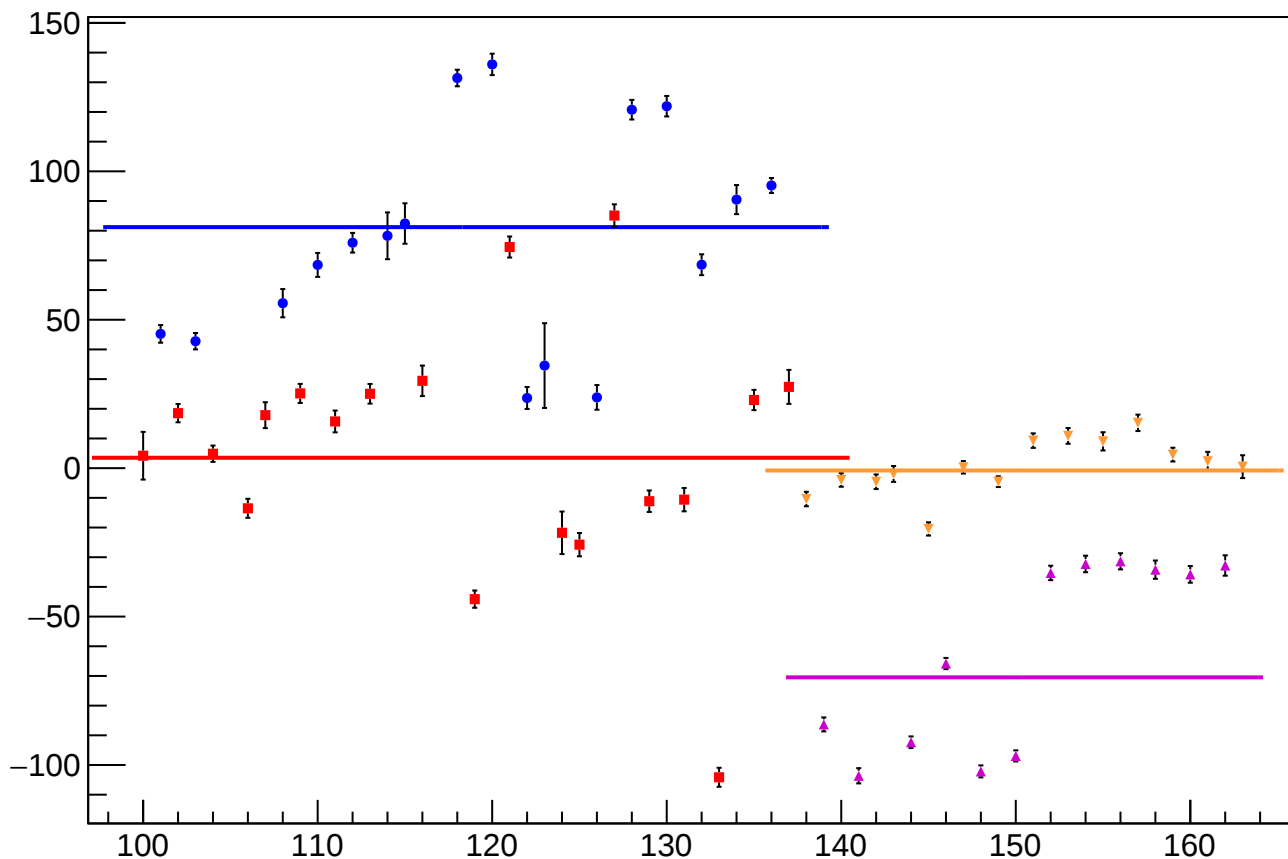
Right: 1.714+/-0.001 χ^2/NDF : 21797153.2/35

In: 1.821+/-0.001 χ^2/NDF : 30125185.9/28

Out: 1.850+/-0.001 χ^2/NDF : 31390530.8/32

All: 1.836+/-0.001 χ^2/NDF : 61515922.0/61

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 81.201+/-0.886 χ^2/NDF : 1709.8/16

Left Out: -0.775+/-0.661 χ^2/NDF : 188.6/13

Right Out: 3.508+/-0.843 χ^2/NDF : 2599.0/18

Left In: -70.469+/-0.682 χ^2/NDF : 1801.3/11

Left: -34.543+/-0.475 χ^2/NDF : 7374.9/25

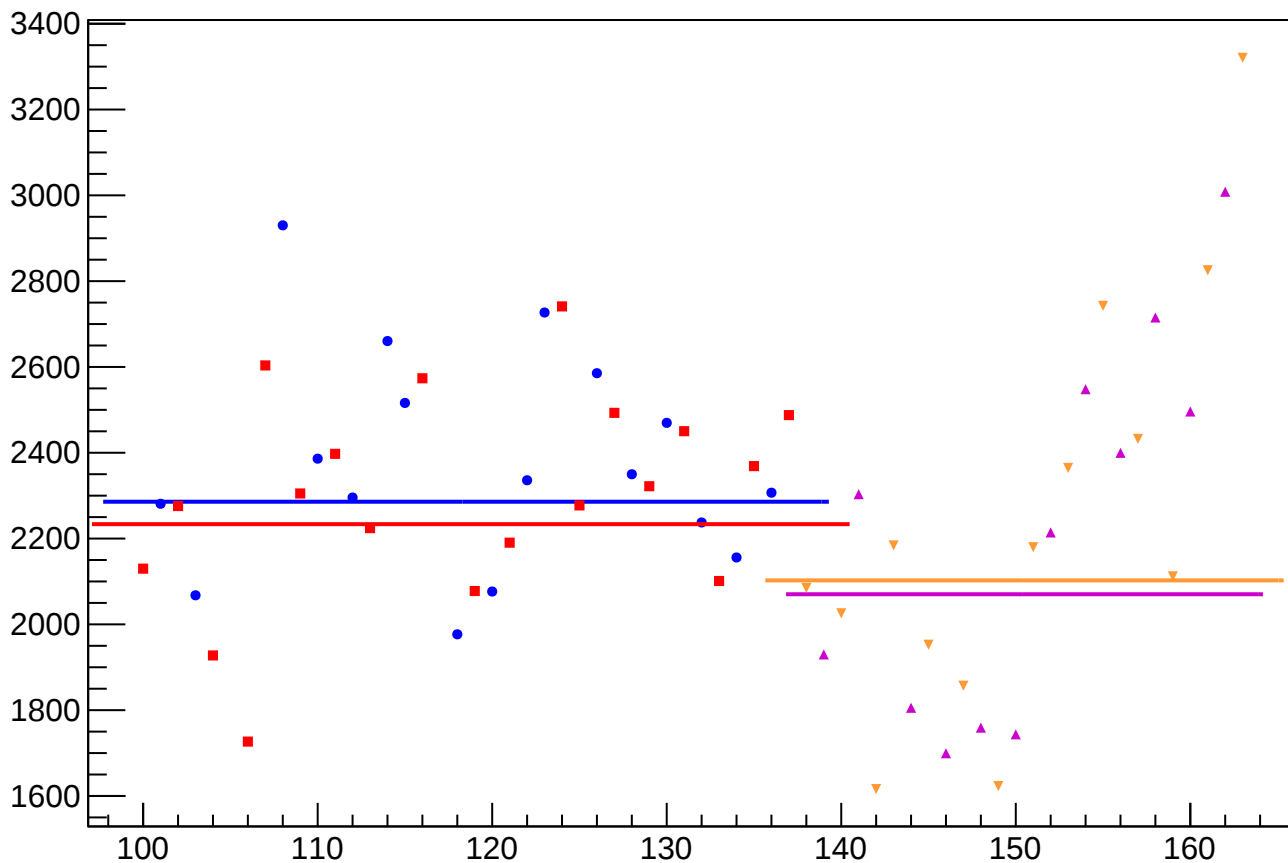
Right: 40.415+/-0.610 χ^2/NDF : 8348.3/35

In: -14.025+/-0.540 χ^2/NDF : 21922.8/28

Out: 0.857+/-0.520 χ^2/NDF : 2803.7/32

All: -6.301+/-0.375 χ^2/NDF : 25120.3/61

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2285.855 +/- 0.626 χ^2/NDF : 109336.5/16

Left Out: 2102.510 +/- 0.467 χ^2/NDF : 698179.3/13

Right Out: 2233.547 +/- 0.596 χ^2/NDF : 146848.5/18

Left In: 2070.194 +/- 0.482 χ^2/NDF : 623233.3/11

Left: 2086.852 +/- 0.336 χ^2/NDF : 1323728.0/25

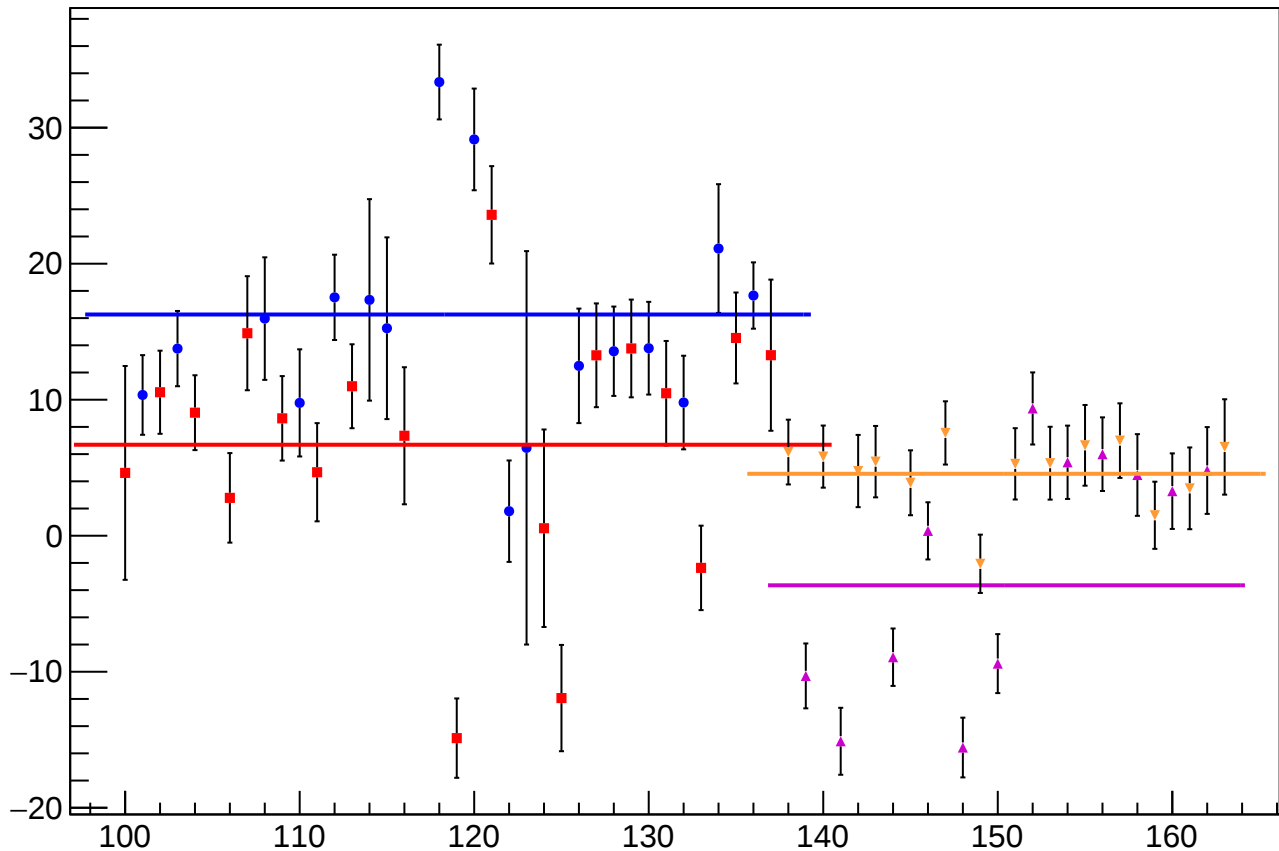
Right: 2258.395 +/- 0.432 χ^2/NDF : 259847.1/35

In: 2150.452 +/- 0.382 χ^2/NDF : 807020.1/28

Out: 2152.444 +/- 0.368 χ^2/NDF : 874971.5/32

All: 2151.486 +/- 0.265 χ^2/NDF : 1682005.7/63

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.265 $\pm$ 0.872 χ^2 /NDF: 80.8/16

Left Out: 4.554 $\pm$ 0.687 χ^2 /NDF:15.6/13

Right Out: 6.690 $\pm$ 0.831 χ^2 /NDF: 134.0/18

Left In: -3.645 $\pm$ 0.713 χ^2 /NDF:144.4/11

Left: 0.609 $\pm$ 0.495 χ^2 /NDF: 228.6/25

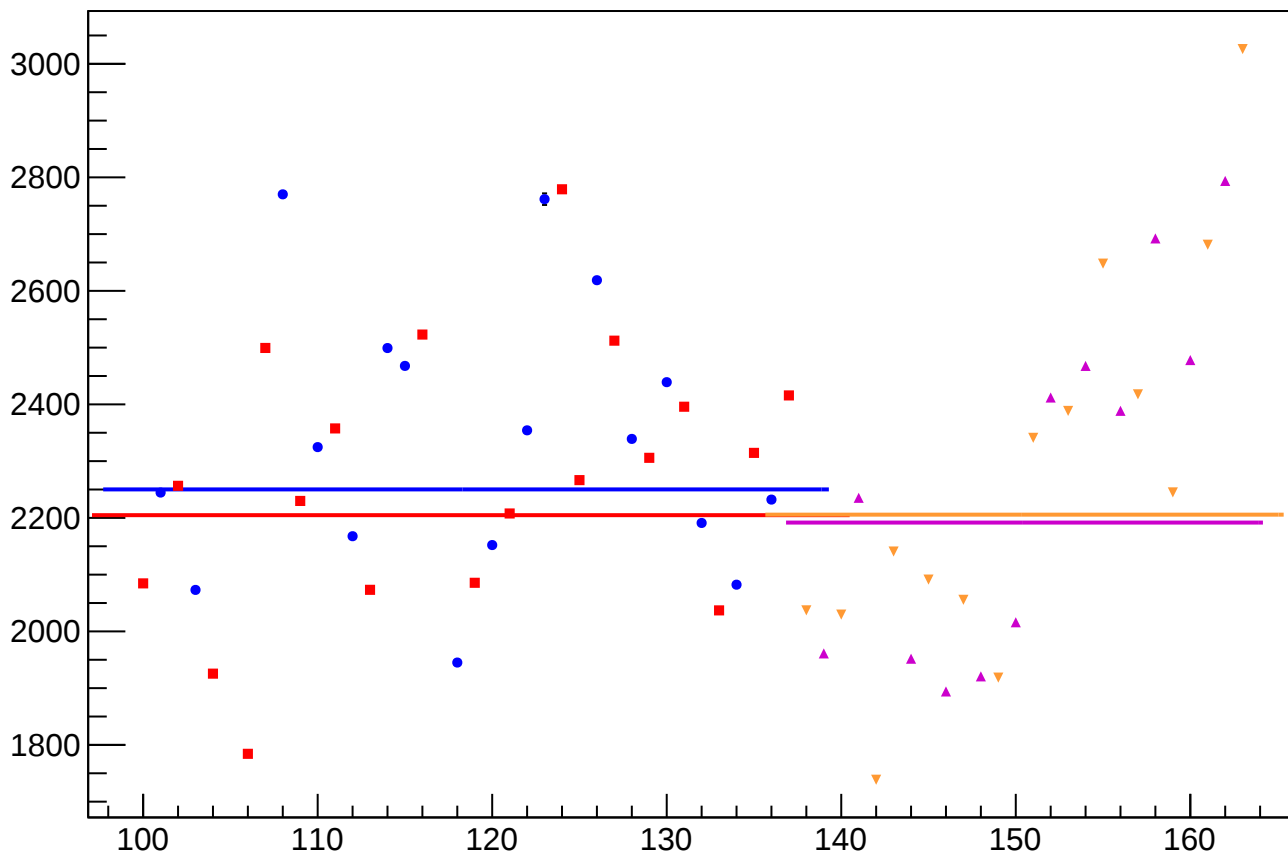
Right: 11.249 $\pm$ 0.601 χ^2 /NDF: 278.0/35

In: 4.339 $\pm$ 0.552 χ^2 /NDF:537.9/28

Out: 5.421 $\pm$ 0.529 χ^2 /NDF:153.5/32

All: 4.903 $\pm$ 0.382 χ^2 /NDF: 693.3/61

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2250.175 ± 0.616 $\chi^2/\text{NDF}: 97578.1/16$

Left Out: 2205.695 ± 0.486 $\chi^2/\text{NDF}: 364945.6/13$

Right Out: 2204.789 ± 0.587 $\chi^2/\text{NDF}: 126227.4/18$

Left In: 2191.743 ± 0.504 $\chi^2/\text{NDF}: 322195.2/11$

Left: 2198.982 ± 0.350 $\chi^2/\text{NDF}: 687538.1/25$

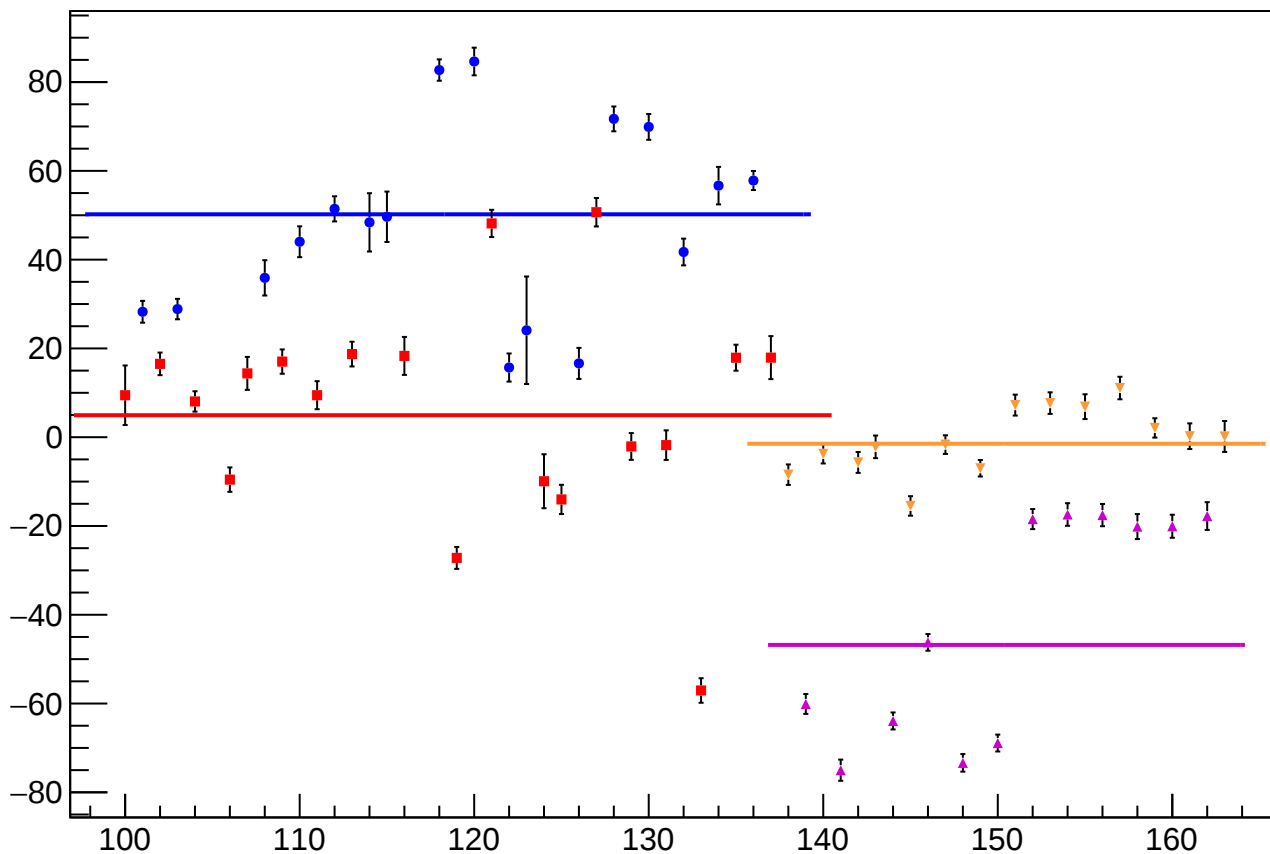
Right: 2226.396 ± 0.425 $\chi^2/\text{NDF}: 226647.4/35$

In: 2215.175 ± 0.390 $\chi^2/\text{NDF}: 425158.6/28$

Out: 2205.327 ± 0.374 $\chi^2/\text{NDF}: 491174.5/32$

All: 2210.045 ± 0.270 $\chi^2/\text{NDF}: 916664.8/61$

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Left: -23.391 +/- 0.454 χ^2/NDF : 3894.6/25

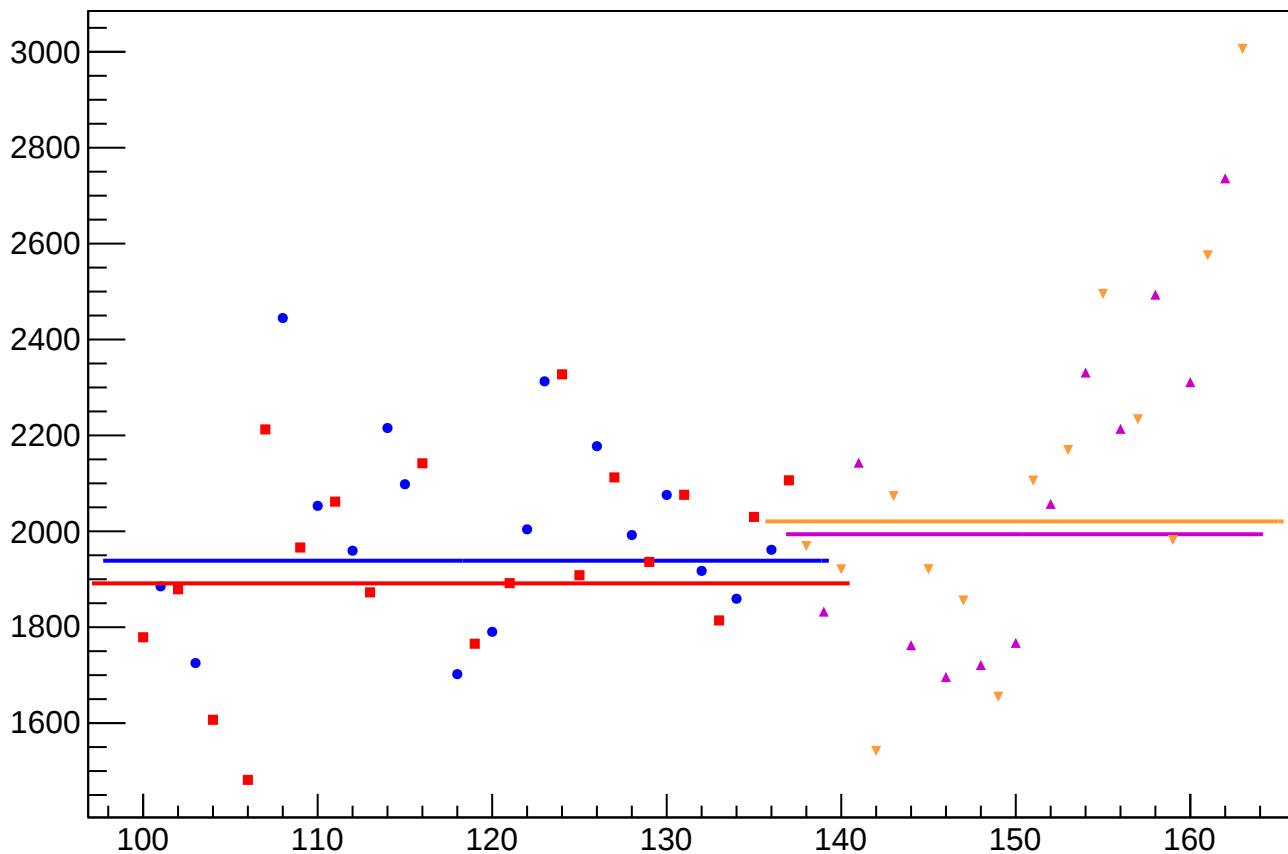
Right: 26.432 +/- 0.517 χ^2/NDF : 4002.4/35

In: -5.032 +/- 0.493 χ^2/NDF : 11616.1/28

Out: 1.353 +/- 0.473 χ^2/NDF : 1435.8/32

All: -1.710 +/- 0.341 χ^2/NDF : 13139.3/61

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1938.688+/-0.531 χ^2/NDF : 100143.1/16

Left Out: 2020.617+/-0.447 χ^2/NDF : 499262.7/13

Right Out: 1891.466+/-0.504 χ^2/NDF : 146622.8/18

Left In: 1993.864+/-0.462 χ^2/NDF : 421316.8/11

Left: 2007.679+/-0.321 χ^2/NDF : 922314.3/25

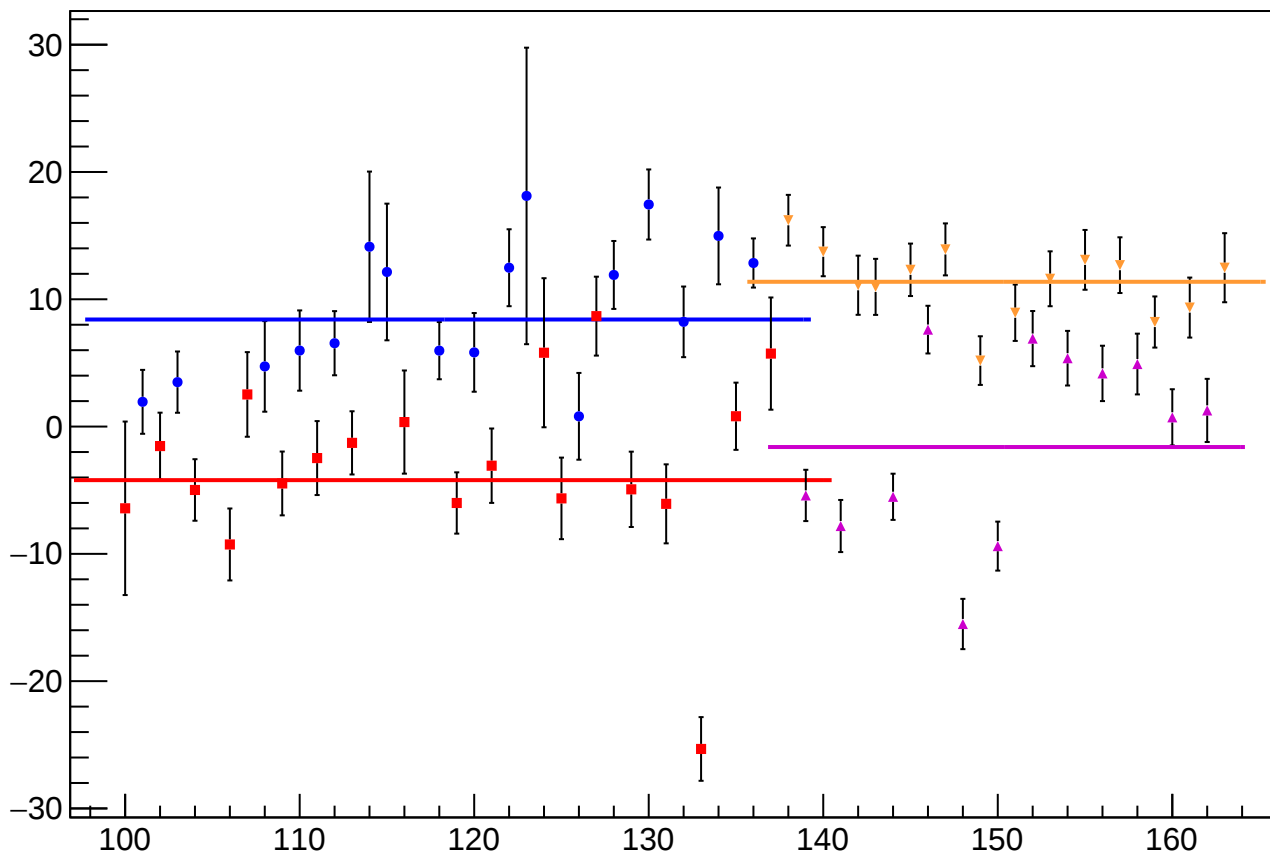
Right: 1913.873+/-0.366 χ^2/NDF : 250923.8/35

In: 1970.112+/-0.348 χ^2/NDF : 527611.8/28

Out: 1963.859+/-0.334 χ^2/NDF : 682626.3/32

All: 1966.858+/-0.241 χ^2/NDF : 1210405.7/61

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.411 ± 0.711 $\chi^2/\text{NDF}: 44.6/16$

Left Out: 11.374 ± 0.574 $\chi^2/\text{NDF}: 25.2/13$

Right Out: -4.208 ± 0.682 $\chi^2/\text{NDF}: 113.1/18$

Left In: -1.607 ± 0.599 $\chi^2/\text{NDF}: 150.6/11$

Left: 5.162 ± 0.415 $\chi^2/\text{NDF}: 420.5/25$

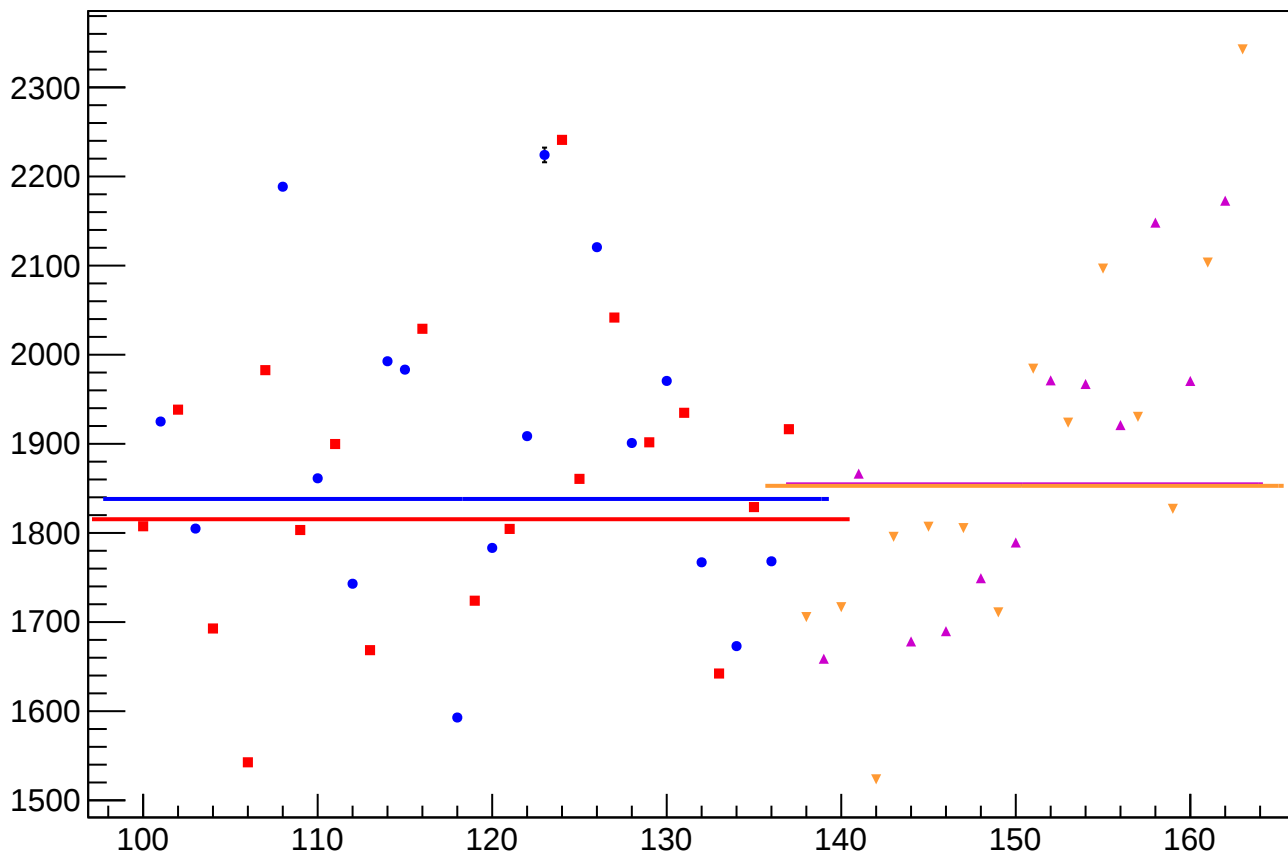
Right: 1.840 ± 0.492 $\chi^2/\text{NDF}: 321.6/35$

In: 2.552 ± 0.458 $\chi^2/\text{NDF}: 311.2/28$

Out: 4.916 ± 0.439 $\chi^2/\text{NDF}: 443.6/32$

All: 3.784 ± 0.317 $\chi^2/\text{NDF}: 768.7/61$

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1838.143 $\pm$ 0.503 χ^2 /NDF: 82878.7/16

Left Out: 1852.885 $\pm$ 0.406 χ^2 /NDF:196888.2/13

Right Out: 1815.403 $\pm$ 0.483 χ^2 /NDF: 87419.0/18

Left In: 1854.535 $\pm$ 0.424 χ^2 /NDF:143168.7/11

Left: 1853.675 $\pm$ 0.293 χ^2 /NDF: 340064.9/25

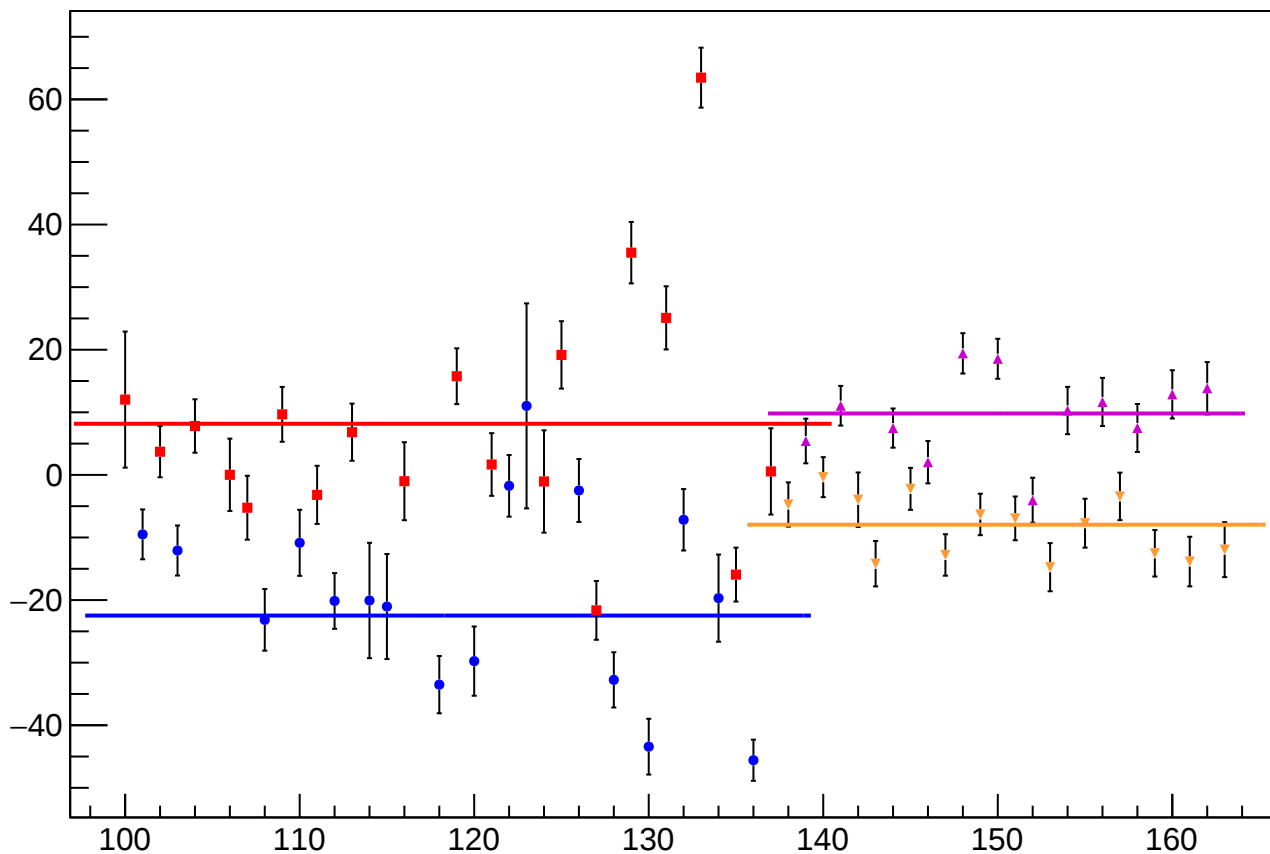
Right: 1826.303 $\pm$ 0.348 χ^2 /NDF: 171362.3/35

In: 1847.730 $\pm$ 0.324 χ^2 /NDF:226668.8/28

Out: 1837.351 $\pm$ 0.311 χ^2 /NDF:287840.5/32

All: 1842.321 $\pm$ 0.224 χ^2 /NDF: 515043.9/61

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.477 ± 1.195 χ^2/NDF : 154.7/16

Left Out: -7.960 ± 0.976 χ^2/NDF : 24.7/13

Right Out: 8.169 ± 1.157 χ^2/NDF : 276.9/18

Left In: 9.814 ± 1.016 χ^2/NDF : 40.9/11

Left: 0.572 ± 0.704 χ^2/NDF : 225.0/25

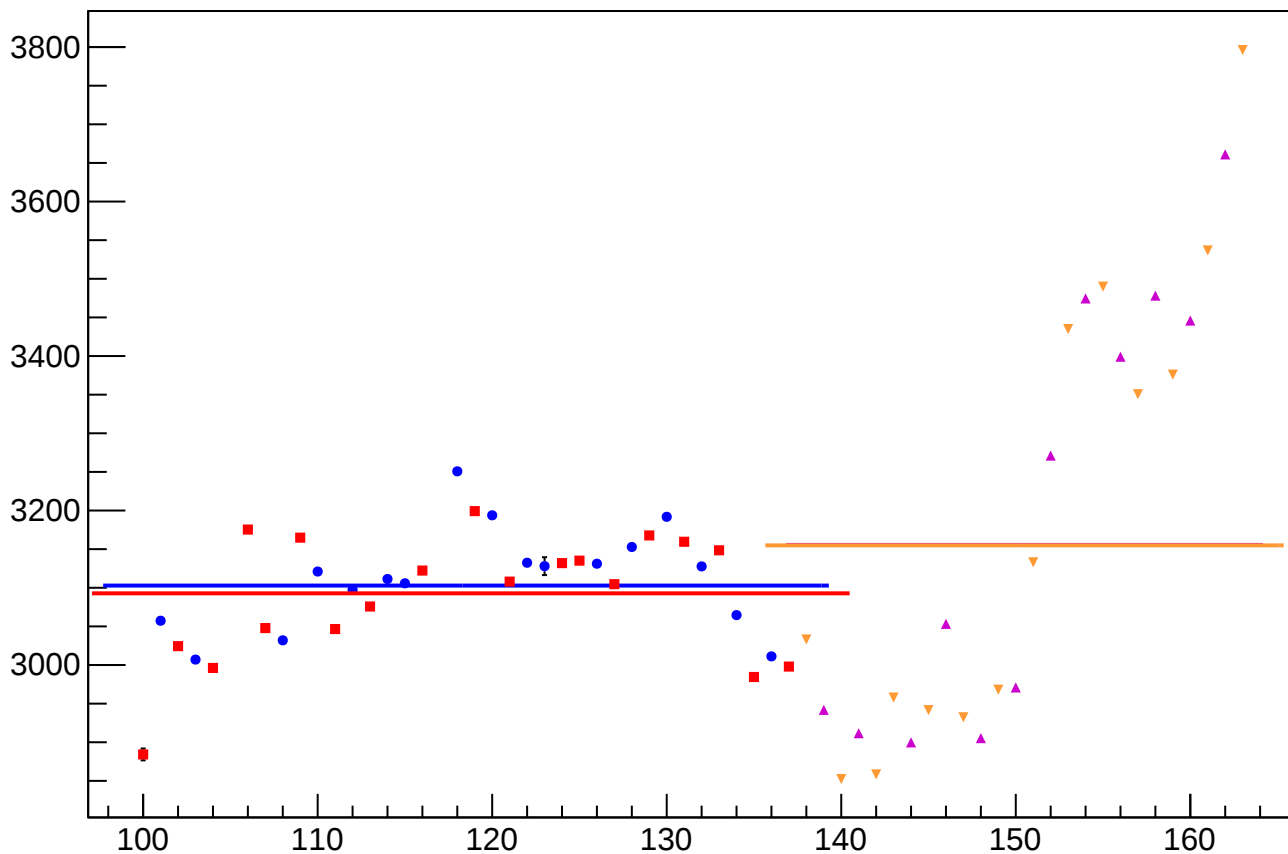
Right: -6.656 ± 0.831 χ^2/NDF : 771.3/35

In: -3.731 ± 0.774 χ^2/NDF : 619.8/28

Out: -1.253 ± 0.746 χ^2/NDF : 415.3/32

All: -2.446 ± 0.537 χ^2/NDF : 1040.3/61

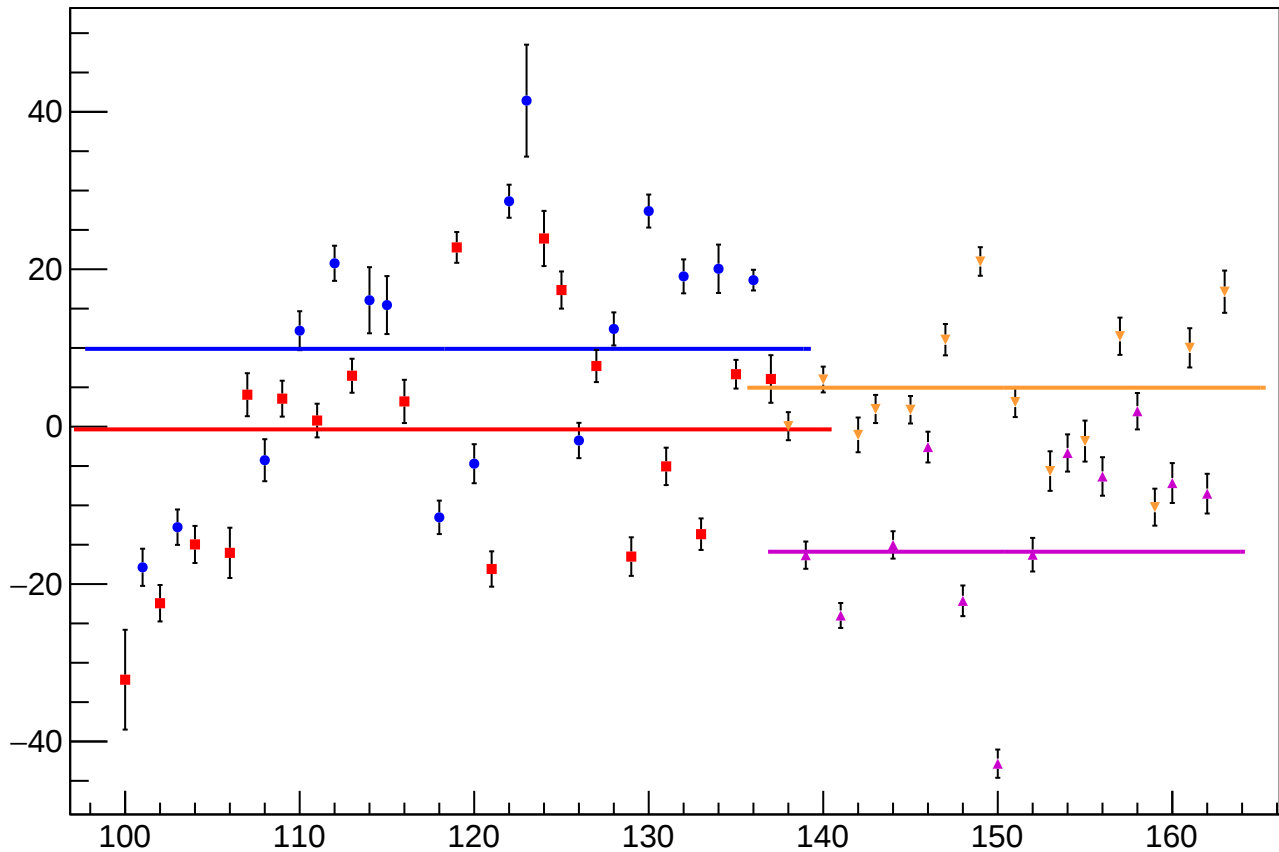
diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3102.846 $\pm$ 0.845 χ^2/NDF : 7344.9/16
 Left Out: 3154.898 $\pm$ 0.690 χ^2/NDF : 157941.3/13
 Right Out: 3092.795 $\pm$ 0.818 χ^2/NDF : 7763.4/18
 Left In: 3155.453 $\pm$ 0.718 χ^2/NDF : 132045.1/11

Left: 3155.165 $\pm$ 0.498 χ^2/NDF : 289986.7/25
 Right: 3097.657 $\pm$ 0.588 χ^2/NDF : 15181.4/35
 In: 3133.387 $\pm$ 0.547 χ^2/NDF : 141641.3/28
 Out: 3129.074 $\pm$ 0.527 χ^2/NDF : 169073.6/32
 All: 3131.151 $\pm$ 0.380 χ^2/NDF : 310747.1/61

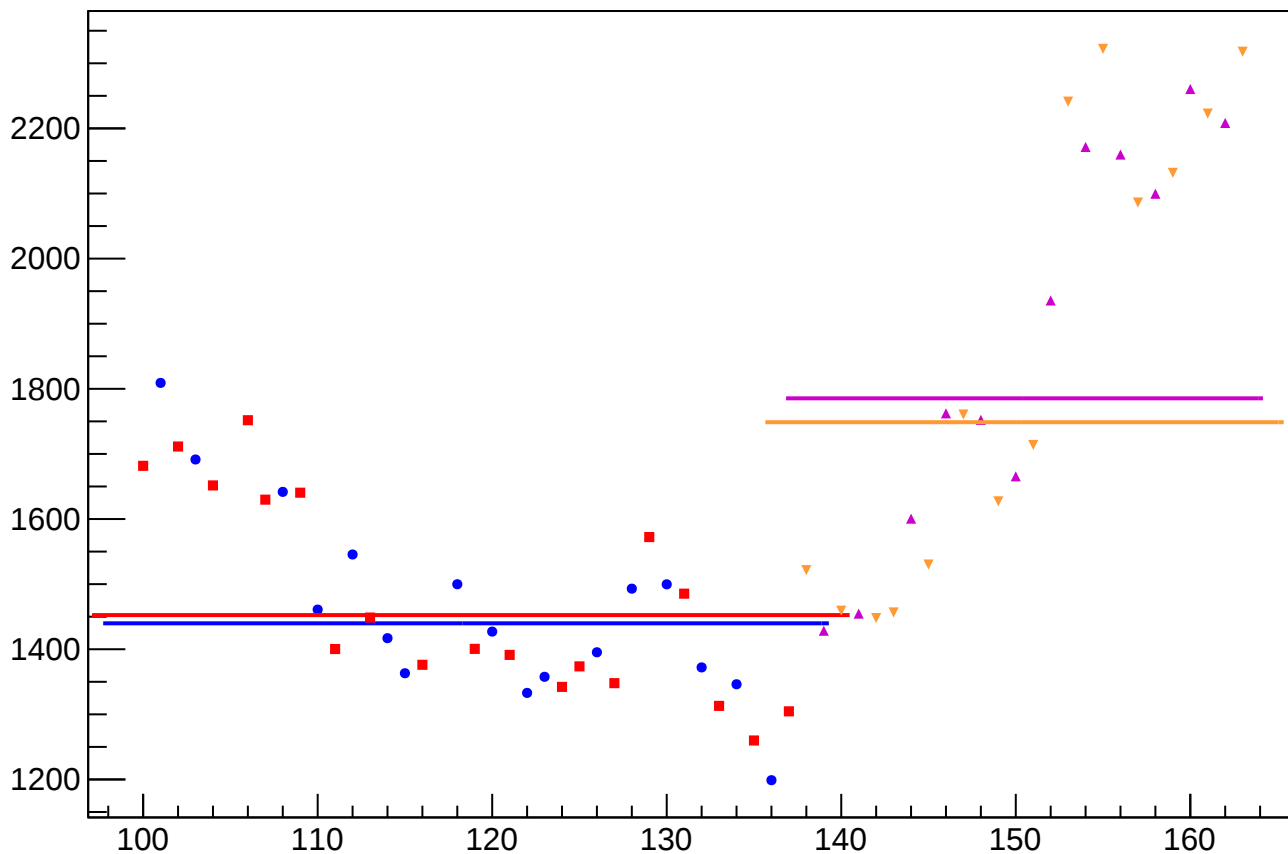
diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.887 ± 0.559 $\chi^2/\text{NDF}: 703.6/16$
 Left Out: 4.952 ± 0.548 $\chi^2/\text{NDF}: 207.1/13$
 Right Out: -0.346 ± 0.547 $\chi^2/\text{NDF}: 628.9/18$
 Left In: -15.891 ± 0.581 $\chi^2/\text{NDF}: 431.2/11$

Left: -4.865 ± 0.399 $\chi^2/\text{NDF}: 1319.0/25$
 Right: 4.654 ± 0.391 $\chi^2/\text{NDF}: 1503.6/35$
 In: -2.514 ± 0.403 $\chi^2/\text{NDF}: 2156.2/28$
 Out: 2.296 ± 0.387 $\chi^2/\text{NDF}: 882.8/32$
 All: -0.013 ± 0.279 $\chi^2/\text{NDF}: 3113.1/61$

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1439.826 $\pm$ 0.396 χ^2/NDF : 172823.5/16

Left Out: 1748.741 $\pm$ 0.388 χ^2/NDF : 656396.4/13

Right Out: 1452.452 $\pm$ 0.387 χ^2/NDF : 138519.7/18

Left In: 1785.391 $\pm$ 0.411 χ^2/NDF : 477780.2/11

Left: 1766.003 $\pm$ 0.282 χ^2/NDF : 1138385.7/25

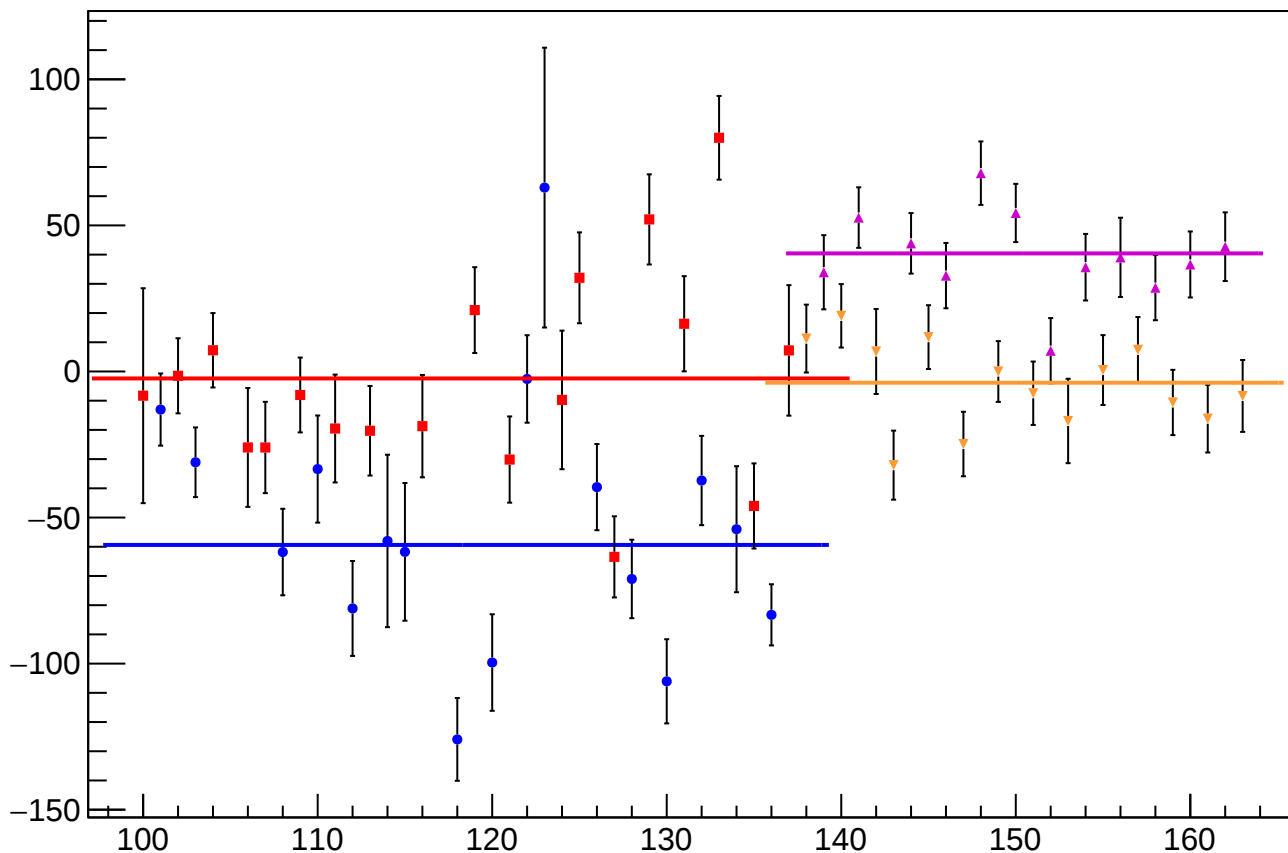
Right: 1446.283 $\pm$ 0.277 χ^2/NDF : 311864.1/35

In: 1606.074 $\pm$ 0.285 χ^2/NDF : 1017670.1/28

Out: 1600.216 $\pm$ 0.274 χ^2/NDF : 1087687.7/32

All: 1603.028 $\pm$ 0.197 χ^2/NDF : 2105577.6/63

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -59.374 ± 3.729 $\chi^2/\text{NDF}: 92.9/16$

Left Out: -3.850 ± 3.102 $\chi^2/\text{NDF}: 21.9/13$

Right Out: -2.388 ± 3.630 $\chi^2/\text{NDF}: 93.9/18$

Left In: 40.410 ± 3.233 $\chi^2/\text{NDF}: 20.9/11$

Left: 17.360 ± 2.238 $\chi^2/\text{NDF}: 140.3/25$

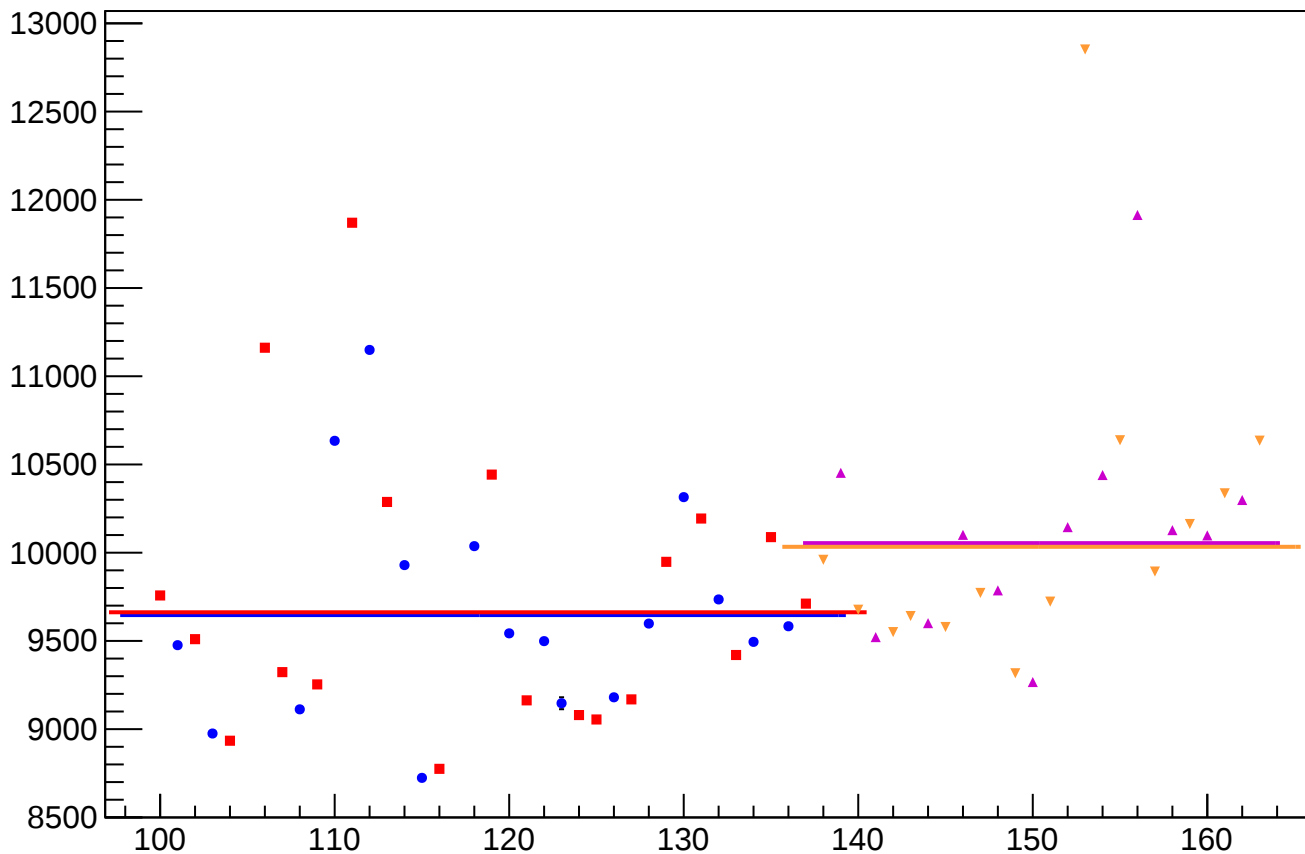
Right: -30.113 ± 2.601 $\chi^2/\text{NDF}: 306.8/35$

In: -2.416 ± 2.443 $\chi^2/\text{NDF}: 522.5/28$

Out: -3.233 ± 2.358 $\chi^2/\text{NDF}: 115.9/32$

All: -2.839 ± 1.697 $\chi^2/\text{NDF}: 638.5/61$

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9646.480+/-2.637 χ^2/NDF : 44060.3/16

Left Out: 10033.385+/-2.193 χ^2/NDF : 110330.1/13

Right Out: 9662.363+/-2.567 χ^2/NDF : 77584.0/18

Left In: 10054.194+/-2.286 χ^2/NDF : 65854.1/11

Left: 10043.358+/-1.583 χ^2/NDF : 176227.4/25

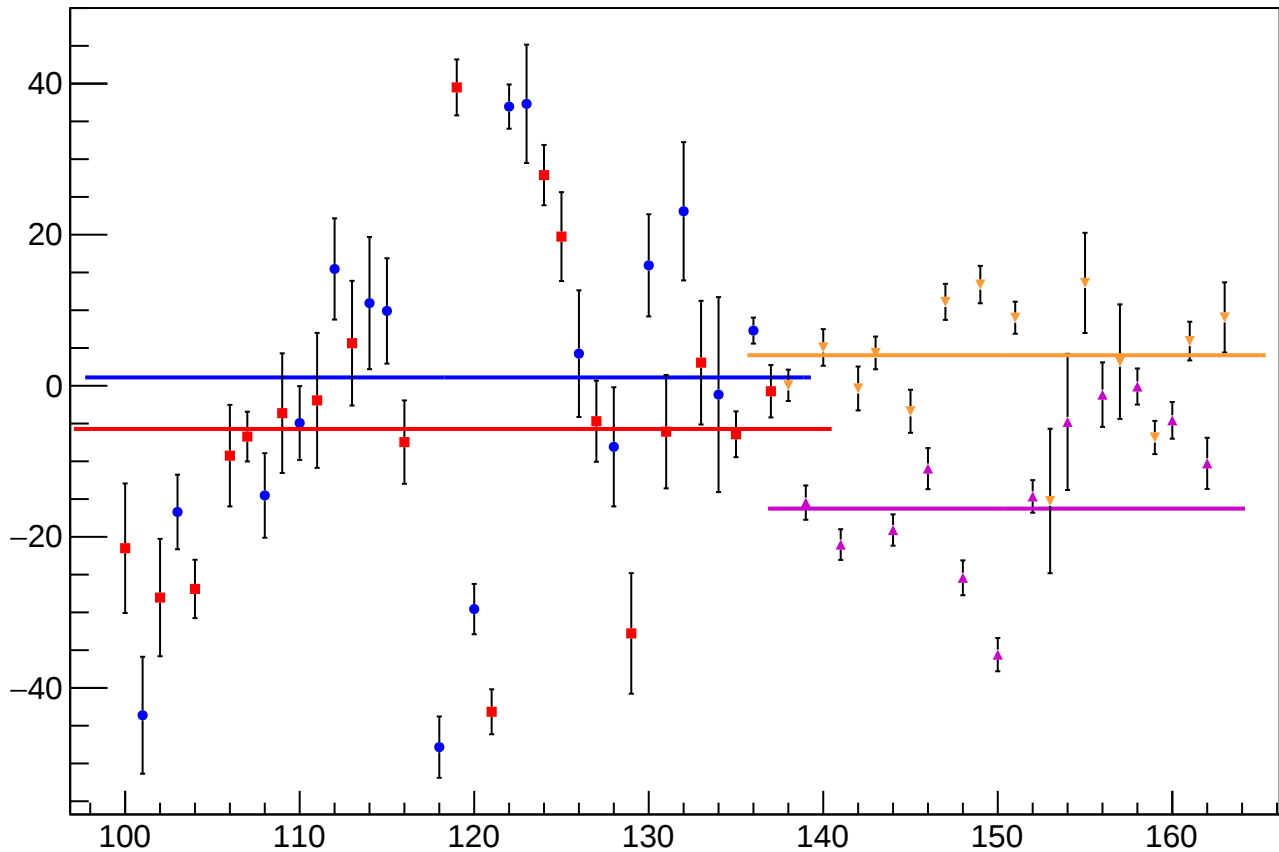
Right: 9654.635+/-1.839 χ^2/NDF : 121662.9/35

In: 9879.209+/-1.727 χ^2/NDF : 123563.2/28

Out: 9876.798+/-1.667 χ^2/NDF : 199992.0/32

All: 9877.961+/-1.200 χ^2/NDF : 323556.2/61

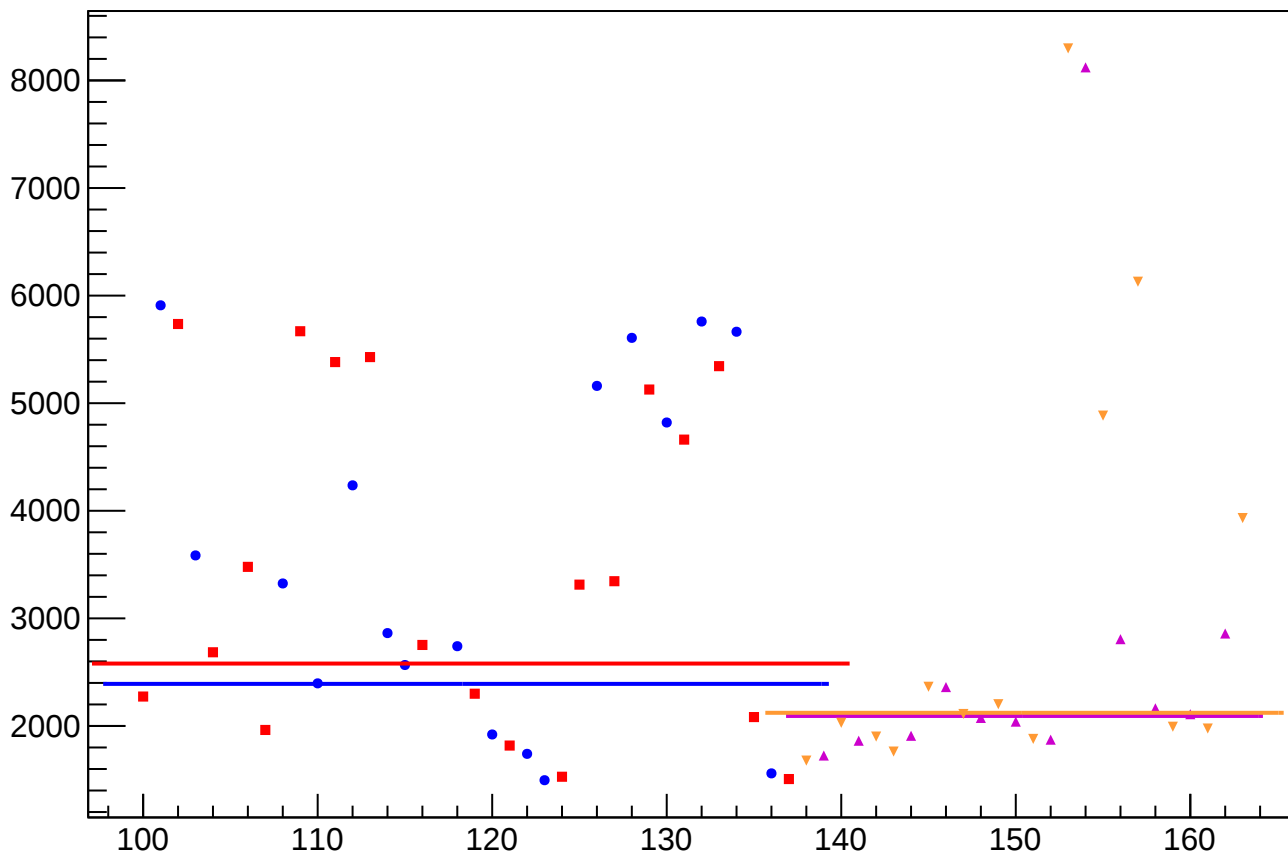
diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 1.106 ± 1.066 $\chi^2/\text{NDF}: 489.7/16$
 Left Out: 4.044 ± 0.730 $\chi^2/\text{NDF}: 74.0/13$
 Right Out: -5.716 ± 1.091 $\chi^2/\text{NDF}: 456.0/18$
 Left In: -16.262 ± 0.723 $\chi^2/\text{NDF}: 190.7/11$

Left: -6.208 ± 0.514 $\chi^2/\text{NDF}: 655.0/25$
 Right: -2.227 ± 0.763 $\chi^2/\text{NDF}: 965.6/35$
 In: -10.791 ± 0.599 $\chi^2/\text{NDF}: 862.0/28$
 Out: 1.024 ± 0.607 $\chi^2/\text{NDF}: 585.2/32$
 All: -4.965 ± 0.426 $\chi^2/\text{NDF}: 1639.4/61$

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2391.162 $\pm$ 0.754 χ^2 /NDF: 2600547.2/16

Left Out: 2122.372 $\pm$ 0.516 χ^2 /NDF: 2260798.0/13

Right Out: 2580.040 $\pm$ 0.772 χ^2 /NDF: 2365271.4/18

Left In: 2093.034 $\pm$ 0.511 χ^2 /NDF: 1190460.5/11

Left: 2107.559 $\pm$ 0.363 χ^2 /NDF: 3452888.3/25

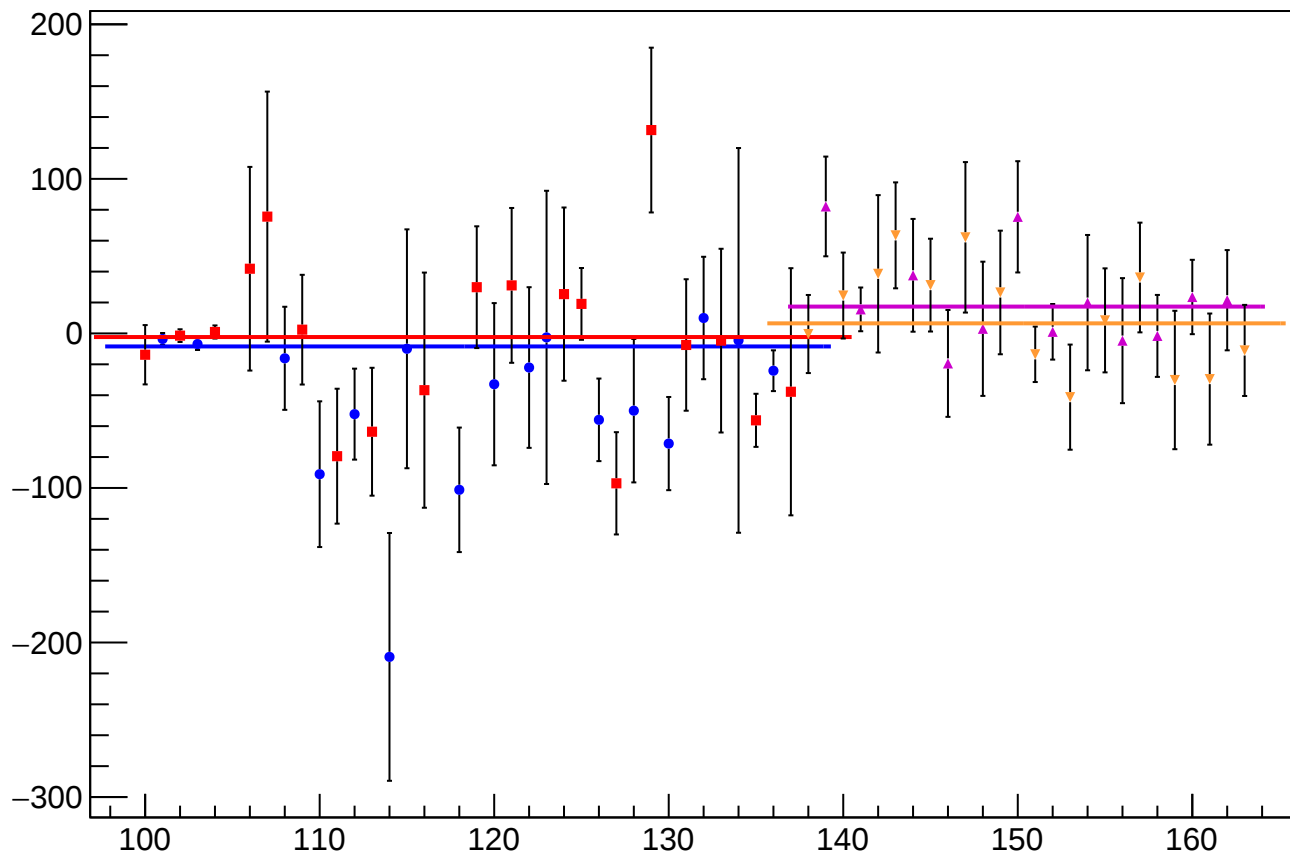
Right: 2483.443 $\pm$ 0.539 χ^2 /NDF: 4996468.7/35

In: 2186.934 $\pm$ 0.423 χ^2 /NDF: 3898075.0/28

Out: 2263.955 $\pm$ 0.429 χ^2 /NDF: 4869089.7/32

All: 2224.911 $\pm$ 0.301 χ^2 /NDF: 8783495.2/61

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.430 $\pm$ 2.587 χ^2/NDF : 28.9/16

Left Out: 6.509 $\pm$ 8.420 χ^2/NDF : 11.6/13

Right Out: -2.348 $\pm$ 2.787 χ^2/NDF : 34.7/18

Left In: 17.355 $\pm$ 7.631 χ^2/NDF : 9.9/11

Left: 12.464 $\pm$ 5.654 χ^2/NDF : 22.4/25

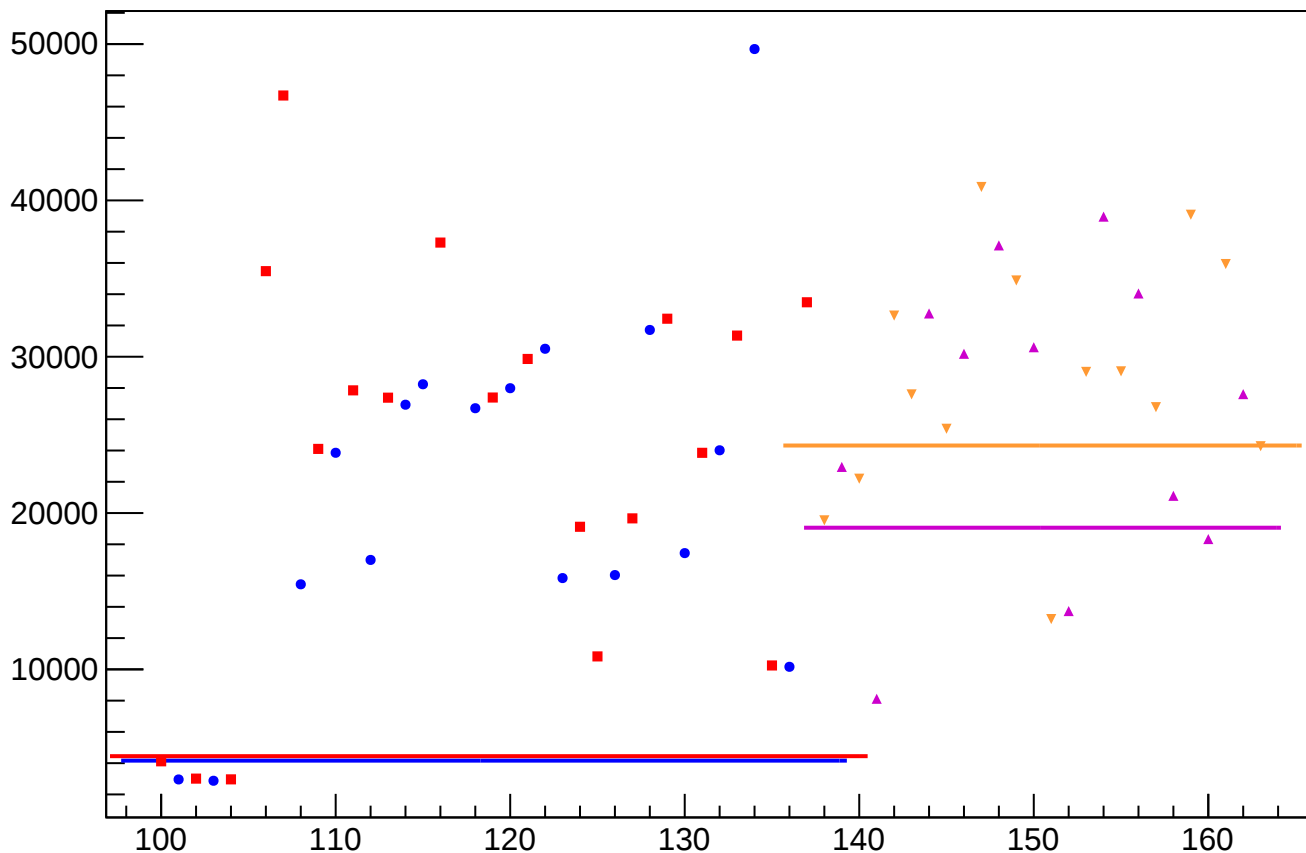
Right: -5.615 $\pm$ 1.896 χ^2/NDF : 66.1/35

In: -5.771 $\pm$ 2.450 χ^2/NDF : 49.1/28

Out: -1.474 $\pm$ 2.646 χ^2/NDF : 47.2/32

All: -3.787 $\pm$ 1.798 χ^2/NDF : 97.7/61

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4162.318+/-1.830 χ^2/NDF : 5990070.5/16

Left Out: 24320.201+/-5.954 χ^2/NDF : 1748385.9/13

Right Out: 4447.123+/-1.971 χ^2/NDF : 7426930.4/18

Left In: 19061.486+/-5.396 χ^2/NDF : 3282682.8/11

Left: 21433.155+/-3.998 χ^2/NDF : 5459405.5/25

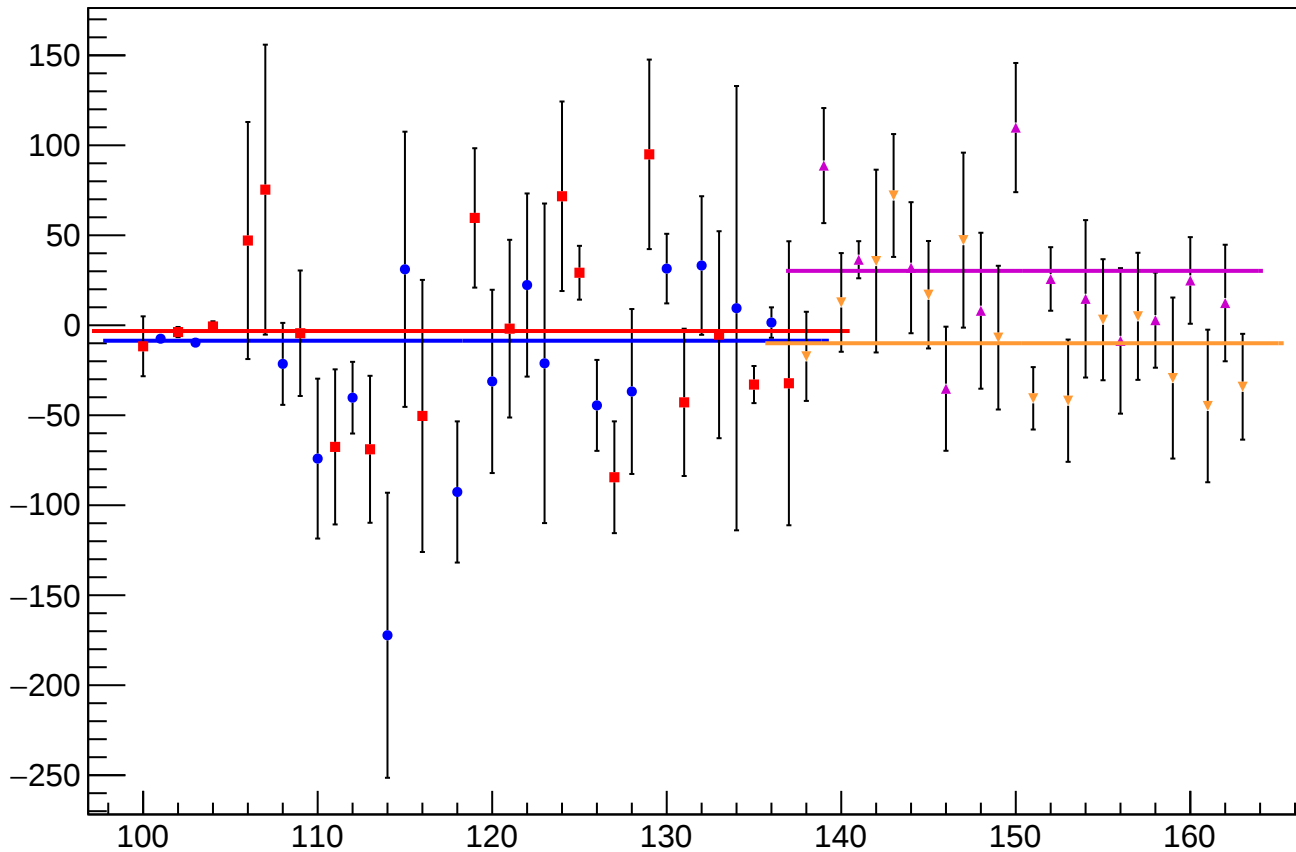
Right: 4294.168+/-1.341 χ^2/NDF : 13428219.0/35

In: 5698.555+/-1.733 χ^2/NDF : 16110534.6/28

Out: 6409.391+/-1.871 χ^2/NDF : 19217596.3/32

All: 6026.776+/-1.271 χ^2/NDF : 35405843.4/6

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.586 $\pm$ 1.778 χ^2/NDF : 24.4/16

Left Out: -9.985 $\pm$ 8.313 χ^2/NDF : 15.4/13

Right Out: -3.194 $\pm$ 1.922 χ^2/NDF : 36.9/18

Left In: 30.232 $\pm$ 6.782 χ^2/NDF : 15.0/11

Left: 14.160 $\pm$ 5.255 χ^2/NDF : 44.5/25

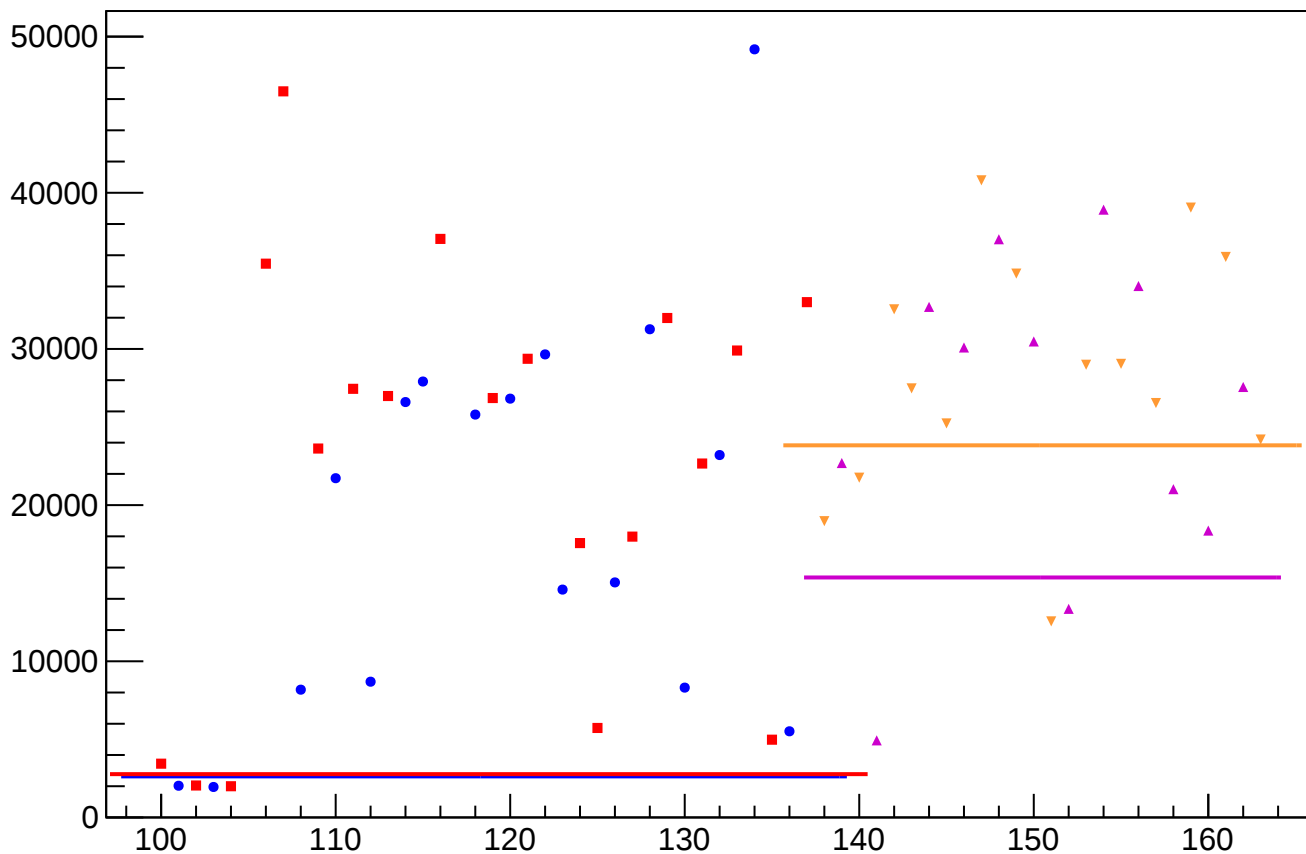
Right: -6.100 $\pm$ 1.305 χ^2/NDF : 65.5/35

In: -6.091 $\pm$ 1.720 χ^2/NDF : 70.1/28

Out: -3.539 $\pm$ 1.873 χ^2/NDF : 53.0/32

All: -4.923 $\pm$ 1.267 χ^2/NDF : 124.1/61

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2630.547+/-1.257 χ^2/NDF : 5588981.6/16

Left Out: 23828.469+/-5.878 χ^2/NDF : 1914945.7/13

Right Out: 2773.446+/-1.359 χ^2/NDF : 7835878.7/18

Left In: 15366.599+/-4.796 χ^2/NDF : 5261955.6/11

Left: 18748.193+/-3.716 χ^2/NDF : 8421049.7/25

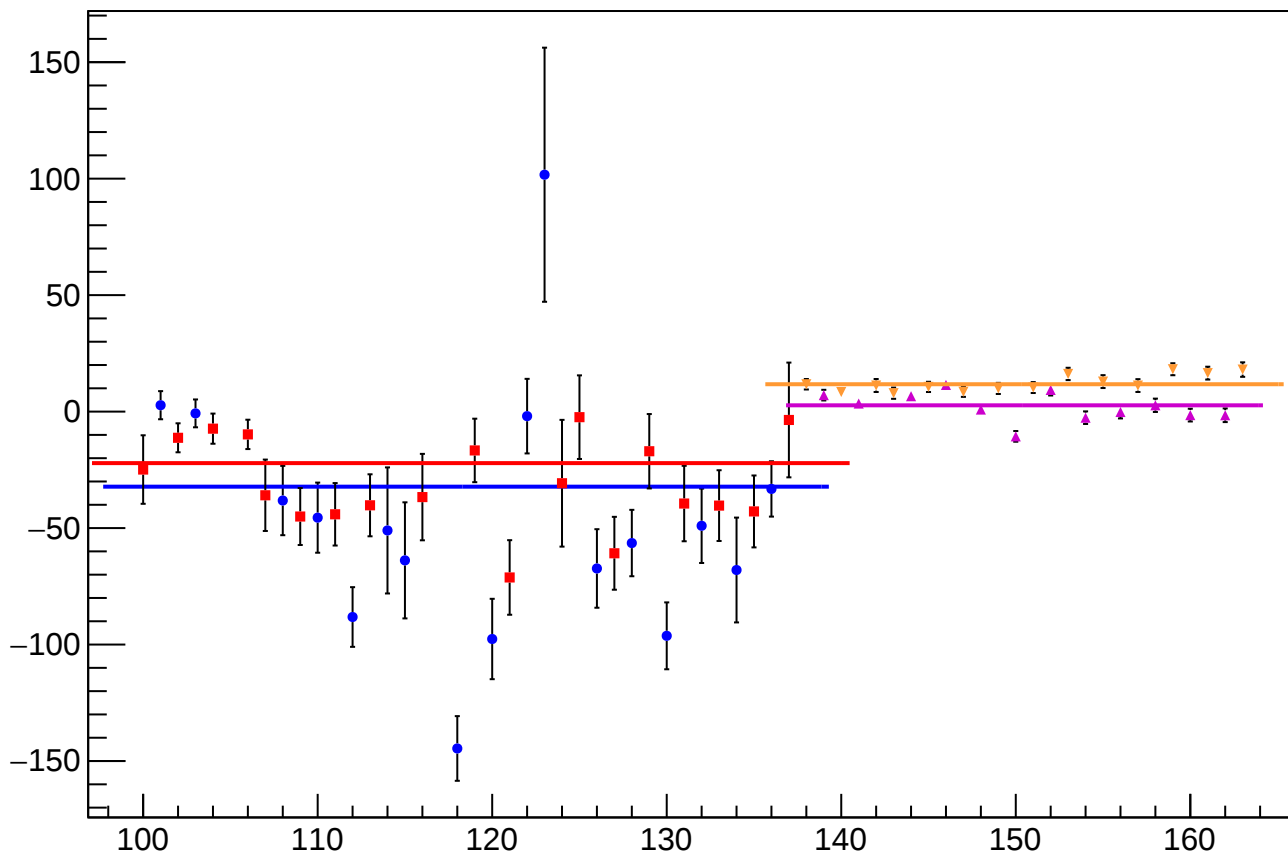
Right: 2696.425+/-0.923 χ^2/NDF : 13430817.7/35

In: 3449.339+/-1.216 χ^2/NDF : 17450205.4/28

Out: 3842.098+/-1.324 χ^2/NDF : 21929727.5/32

All: 3629.004+/-0.896 χ^2/NDF : 39427656.7/6

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.222 ± 2.981 χ^2/NDF : 203.7/16

Left Out: 11.750 ± 0.662 χ^2/NDF : 24.7/13

Right Out: -22.111 ± 2.669 χ^2/NDF : 43.7/18

Left In: 2.699 ± 0.691 χ^2/NDF : 76.0/11

Left: 7.420 ± 0.478 χ^2/NDF : 190.1/25

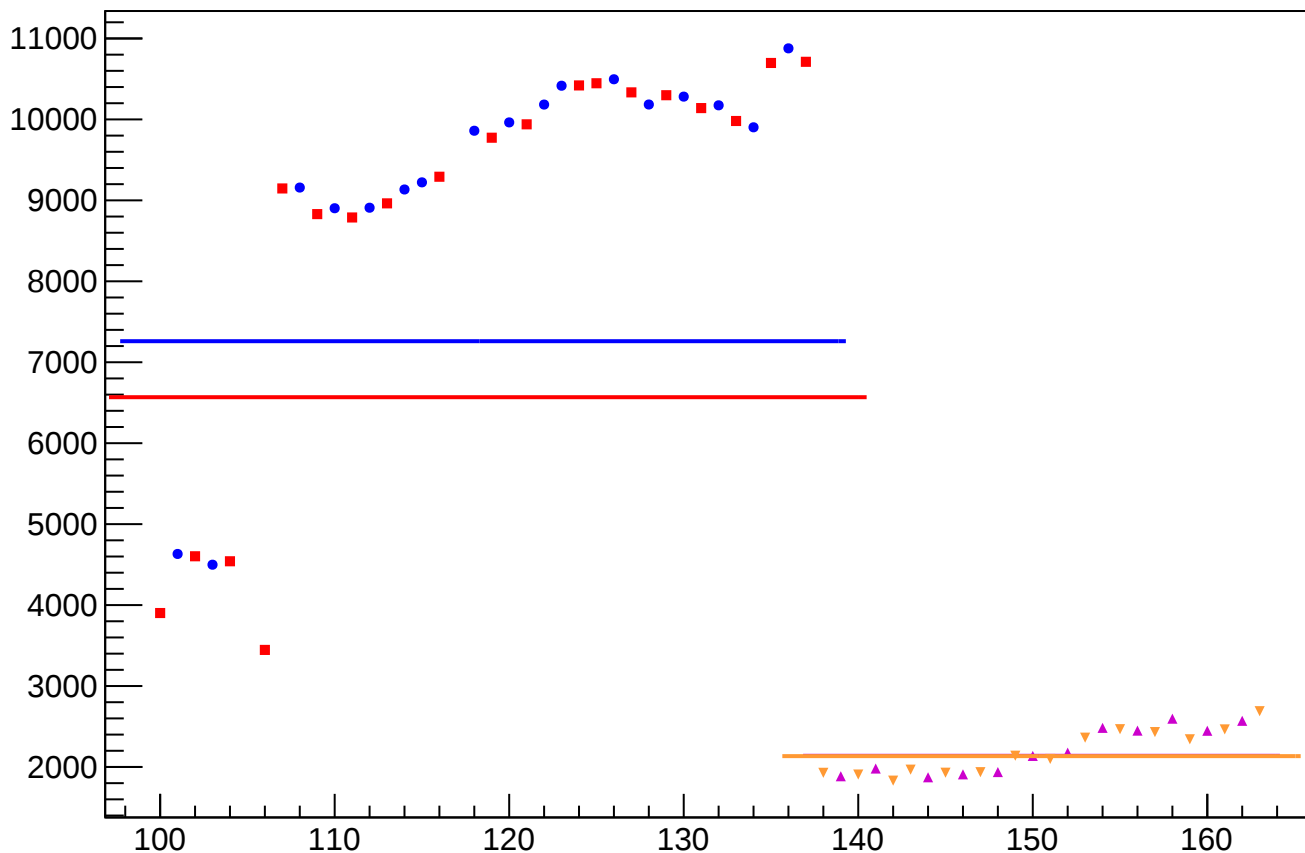
Right: -26.609 ± 1.989 χ^2/NDF : 253.7/35

In: 0.917 ± 0.674 χ^2/NDF : 409.9/28

Out: 9.787 ± 0.643 χ^2/NDF : 220.0/32

All: 5.560 ± 0.465 χ^2/NDF : 720.6/61

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7260.081 $\pm$ 2.108 χ^2 /NDF: 1636373.2/16

Left Out: 2133.915 $\pm$ 0.468 χ^2 /NDF: 279150.6/13

Right Out: 6568.180 $\pm$ 1.887 χ^2 /NDF: 2196546.0/18

Left In: 2137.992 $\pm$ 0.489 χ^2 /NDF: 288931.3/11

Left: 2135.865 $\pm$ 0.338 χ^2 /NDF: 568118.2/25

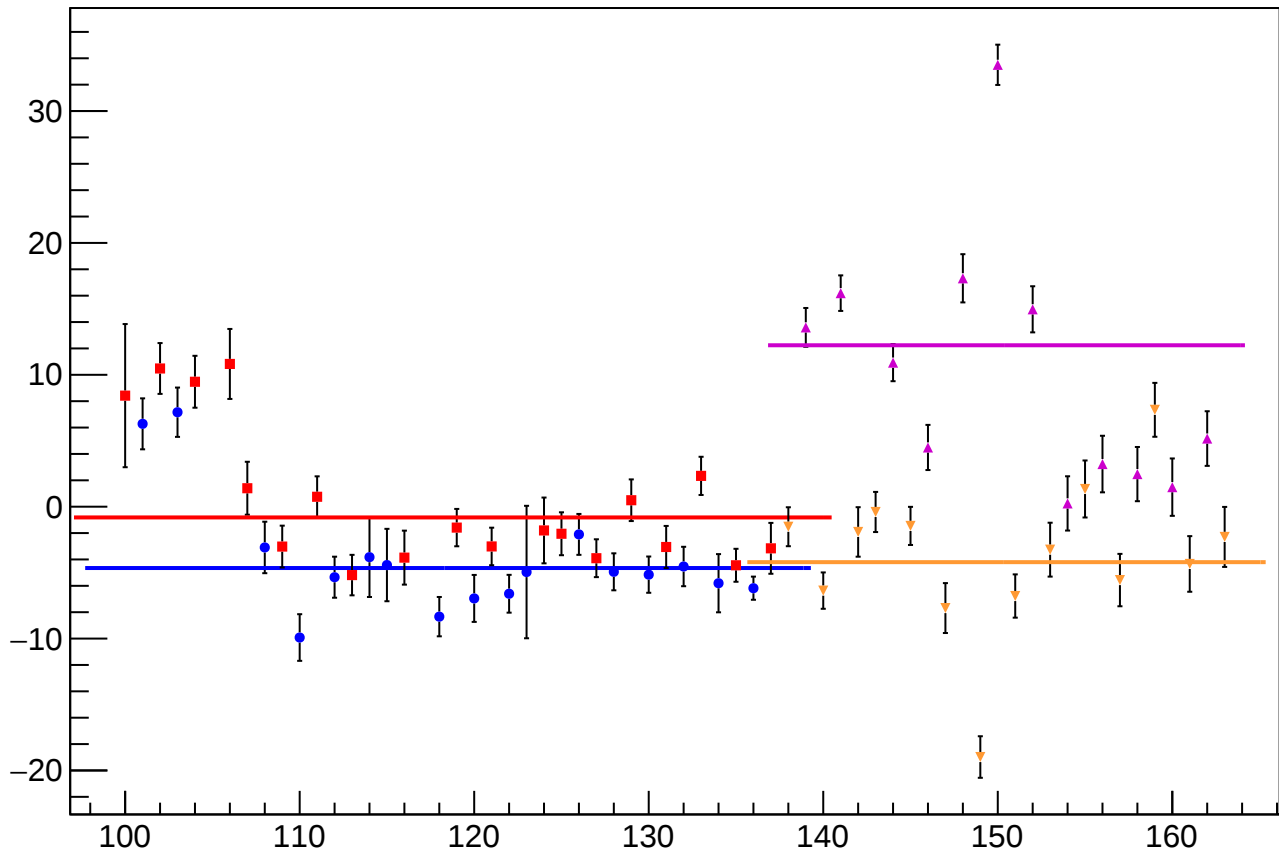
Right: 6876.033 $\pm$ 1.406 χ^2 /NDF: 3892707.9/35

In: 2399.380 $\pm$ 0.476 χ^2 /NDF: 7527212.6/28

Out: 2390.973 $\pm$ 0.454 χ^2 /NDF: 7674950.1/32

All: 2394.980 $\pm$ 0.329 χ^2 /NDF: 15202325.9/66

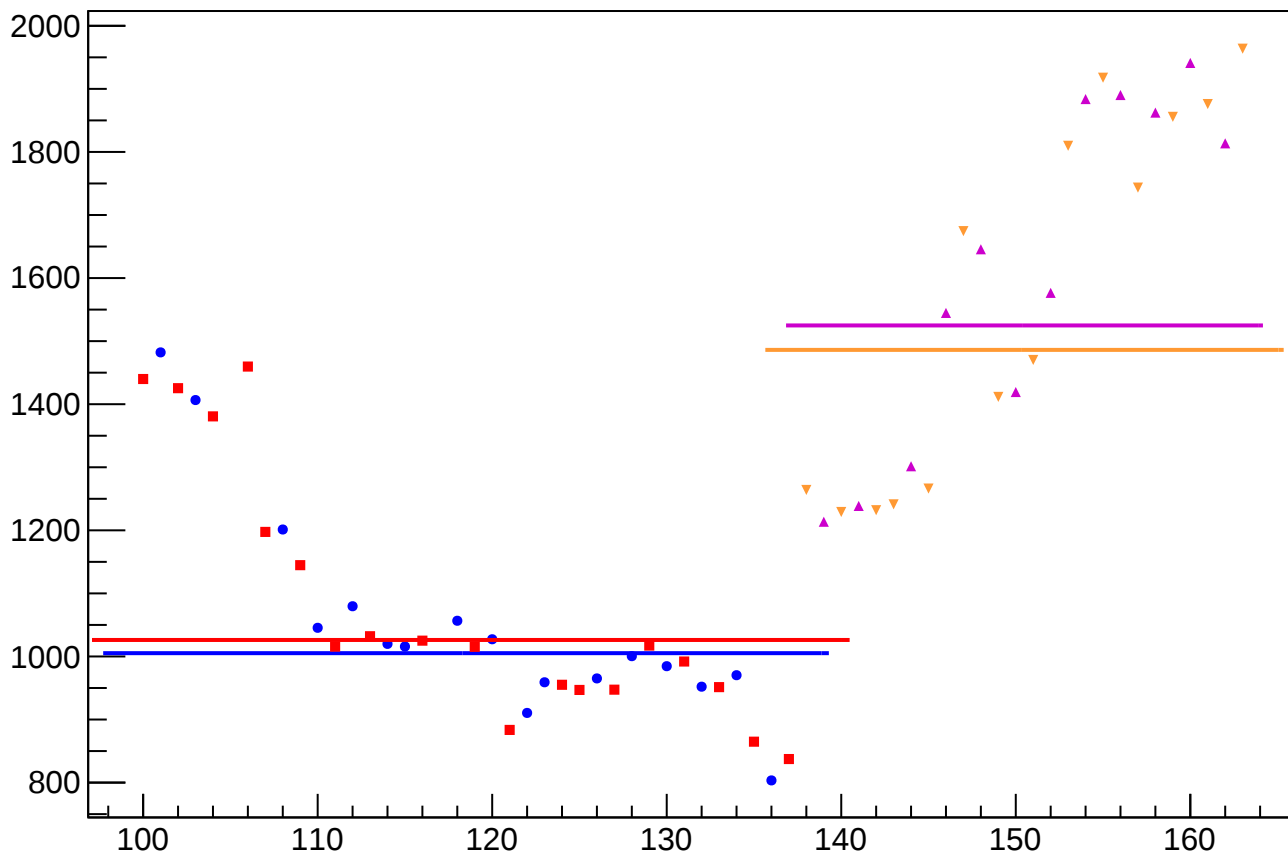
diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.651 ± 0.393 χ^2/NDF : 97.6/16
 Left Out: -4.205 ± 0.466 χ^2/NDF : 150.9/13
 Right Out: -0.814 ± 0.388 χ^2/NDF : 123.7/18
 Left In: 12.240 ± 0.497 χ^2/NDF : 345.2/11

Left: 3.494 ± 0.340 χ^2/NDF : 1078.1/25
 Right: -2.712 ± 0.276 χ^2/NDF : 269.5/35
 In: 1.839 ± 0.308 χ^2/NDF : 1153.8/28
 Out: -2.203 ± 0.298 χ^2/NDF : 305.7/32
 All: -0.246 ± 0.214 χ^2/NDF : 1548.3/61

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1005.227 ± 0.278 $\chi^2/\text{NDF}: 361954.2/16$

Left Out: 1486.127 ± 0.330 $\chi^2/\text{NDF}: 659449.2/13$

Right Out: 1026.158 ± 0.275 $\chi^2/\text{NDF}: 333119.0/18$

Left In: 1524.890 ± 0.351 $\chi^2/\text{NDF}: 535152.6/11$

Left: 1504.276 ± 0.240 $\chi^2/\text{NDF}: 1201070.3/25$

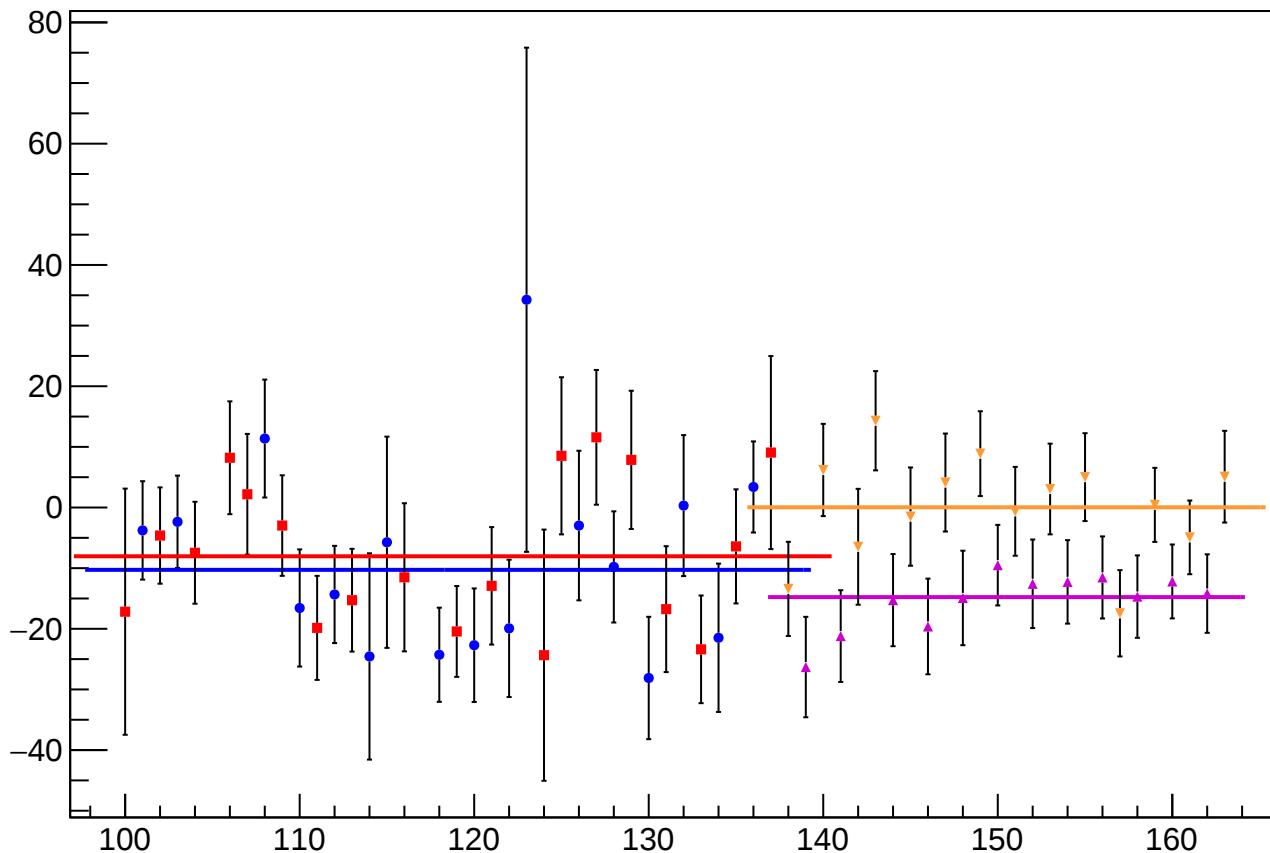
Right: 1015.803 ± 0.195 $\chi^2/\text{NDF}: 697945.4/35$

In: 1204.893 ± 0.218 $\chi^2/\text{NDF}: 2243263.5/28$

Out: 1214.587 ± 0.211 $\chi^2/\text{NDF}: 2141049.2/32$

All: 1209.893 ± 0.152 $\chi^2/\text{NDF}: 4385334.1/63$

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.277 ± 2.408 $\chi^2/\text{NDF}: 23.5/16$

Left Out: 0.040 ± 1.971 $\chi^2/\text{NDF}: 16.8/13$

Right Out: -8.041 ± 2.278 $\chi^2/\text{NDF}: 22.8/18$

Left In: -14.773 ± 2.047 $\chi^2/\text{NDF}: 4.3/11$

Left: -7.087 ± 1.420 $\chi^2/\text{NDF}: 48.3/25$

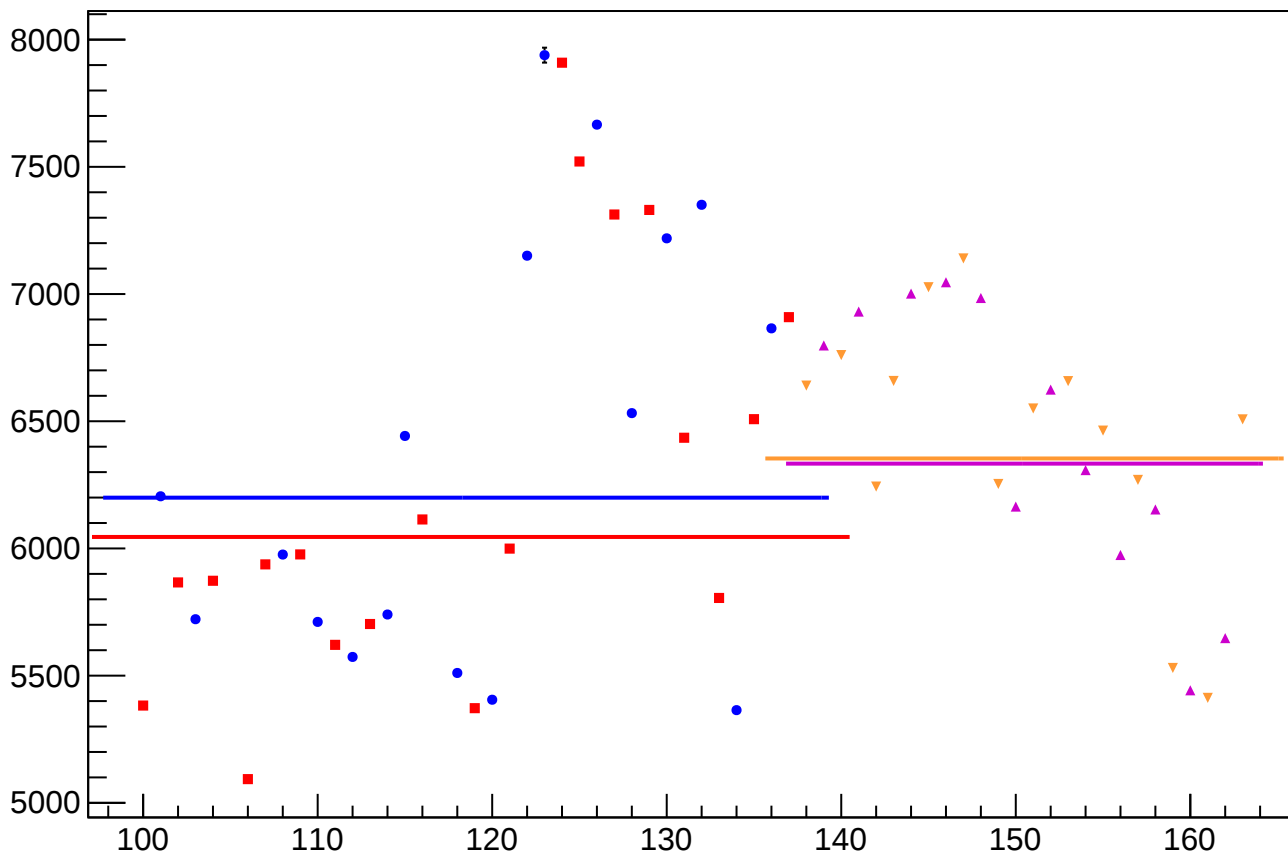
Right: -9.097 ± 1.655 $\chi^2/\text{NDF}: 46.7/35$

In: -12.887 ± 1.559 $\chi^2/\text{NDF}: 29.8/28$

Out: -3.418 ± 1.491 $\chi^2/\text{NDF}: 46.8/32$

All: -7.939 ± 1.078 $\chi^2/\text{NDF}: 95.9/61$

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6199.617 ± 1.703 $\chi^2/\text{NDF}: 171760.4/16$

Left Out: 6353.663 ± 1.394 $\chi^2/\text{NDF}: 135300.0/13$

Right Out: 6045.172 ± 1.611 $\chi^2/\text{NDF}: 158323.0/18$

Left In: 6333.387 ± 1.447 $\chi^2/\text{NDF}: 141278.3/11$

Left: 6343.908 ± 1.004 $\chi^2/\text{NDF}: 276680.1/25$

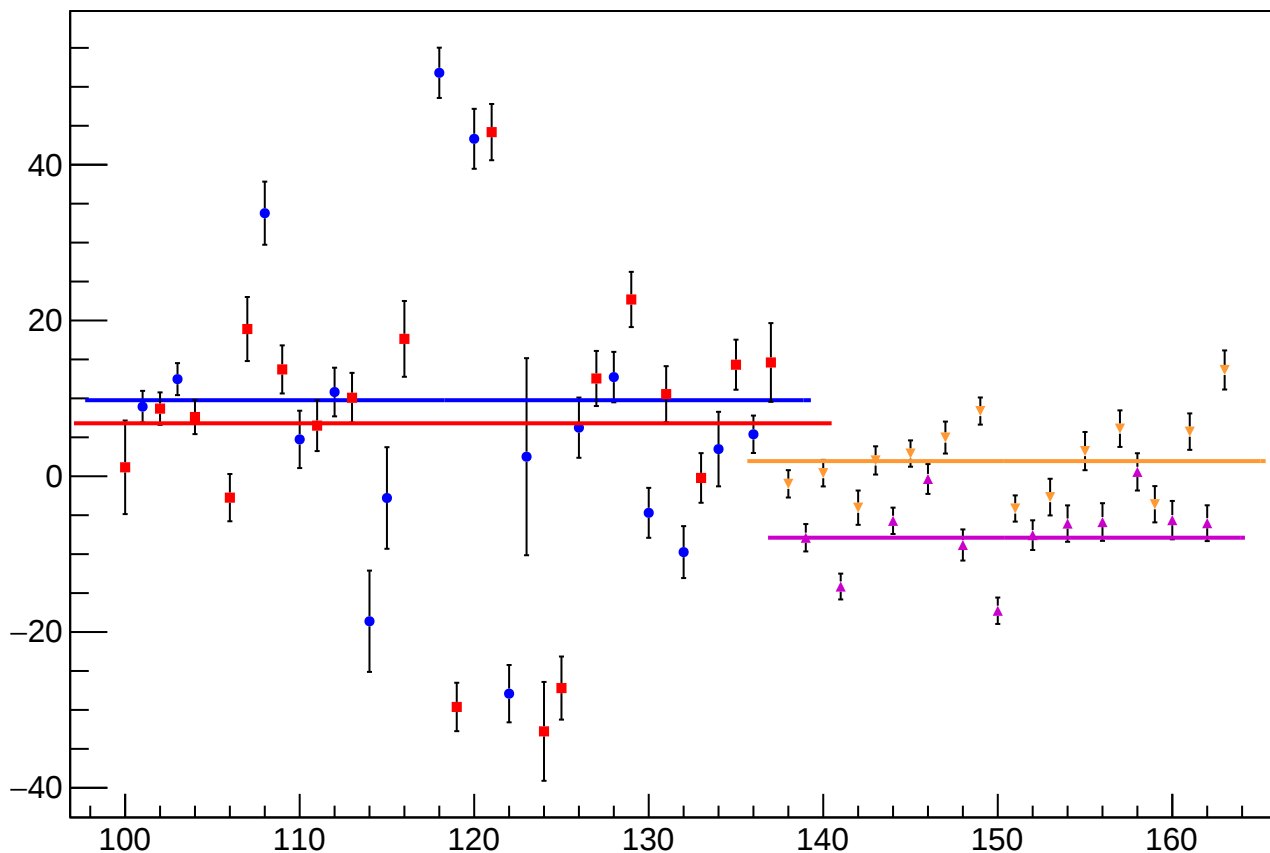
Right: 6118.133 ± 1.170 $\chi^2/\text{NDF}: 334424.9/35$

In: 6277.274 ± 1.103 $\chi^2/\text{NDF}: 316622.3/28$

Out: 6221.631 ± 1.054 $\chi^2/\text{NDF}: 314595.4/32$

All: 6248.196 ± 0.762 $\chi^2/\text{NDF}: 632548.3/61$

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.764 $\pm$ 0.797 χ^2 /NDF: 473.8/16

Left Out: 1.947 $\pm$ 0.534 χ^2 /NDF: 77.5/13

Right Out: 6.801 $\pm$ 0.765 χ^2 /NDF: 421.8/18

Left In: -7.889 $\pm$ 0.571 χ^2 /NDF: 77.5/11

Left: -2.642 $\pm$ 0.390 χ^2 /NDF: 313.2/25

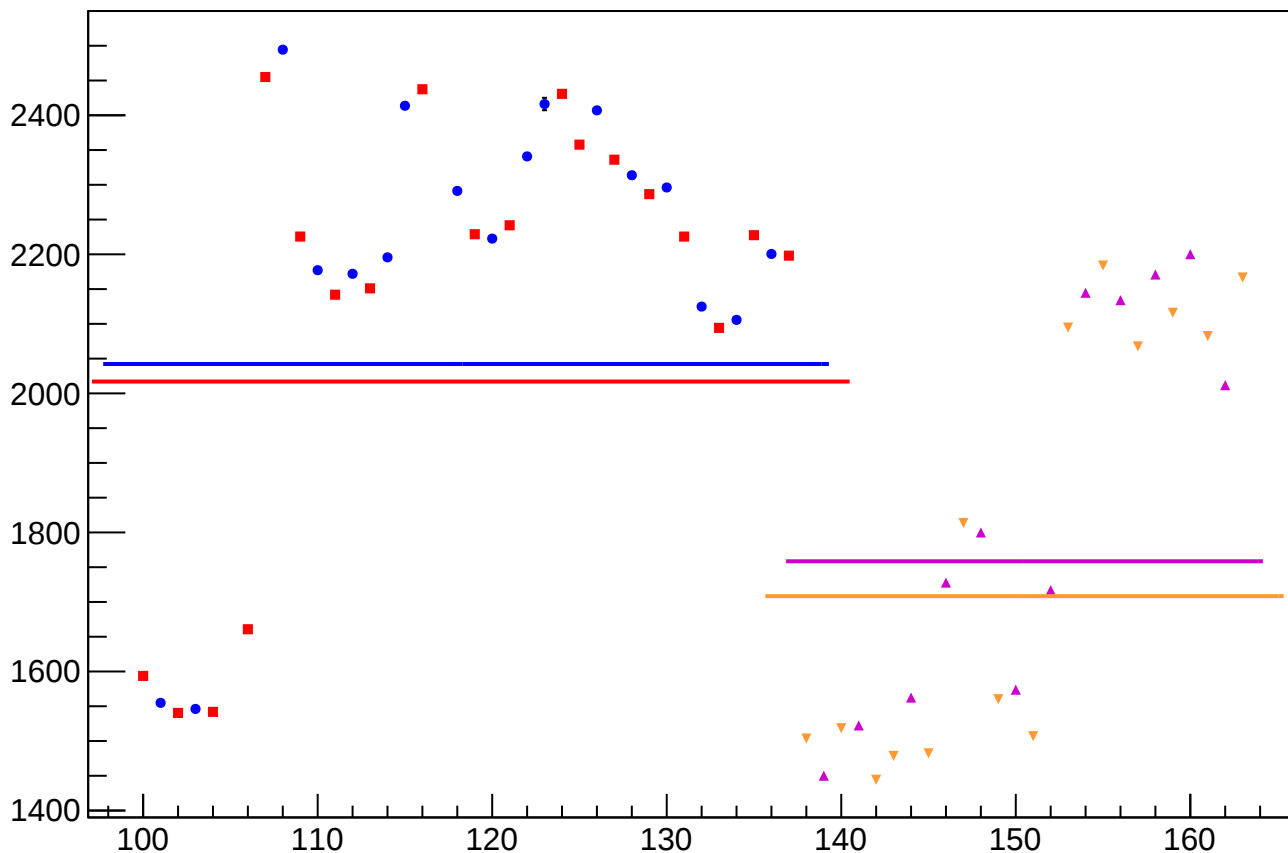
Right: 8.222 $\pm$ 0.552 χ^2 /NDF: 902.8/35

In: -1.897 $\pm$ 0.464 χ^2 /NDF: 875.5/28

Out: 3.539 $\pm$ 0.438 χ^2 /NDF: 526.4/32

All: 0.979 $\pm$ 0.319 χ^2 /NDF: 1474.4/61

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2042.269+/-0.563 χ^2/NDF : 356820.1/16

Left Out: 1708.377+/-0.378 χ^2/NDF : 552127.6/13

Right Out: 2017.026+/-0.541 χ^2/NDF : 375630.3/18

Left In: 1758.513+/-0.404 χ^2/NDF : 405939.8/11

Left: 1731.771+/-0.276 χ^2/NDF : 966286.9/25

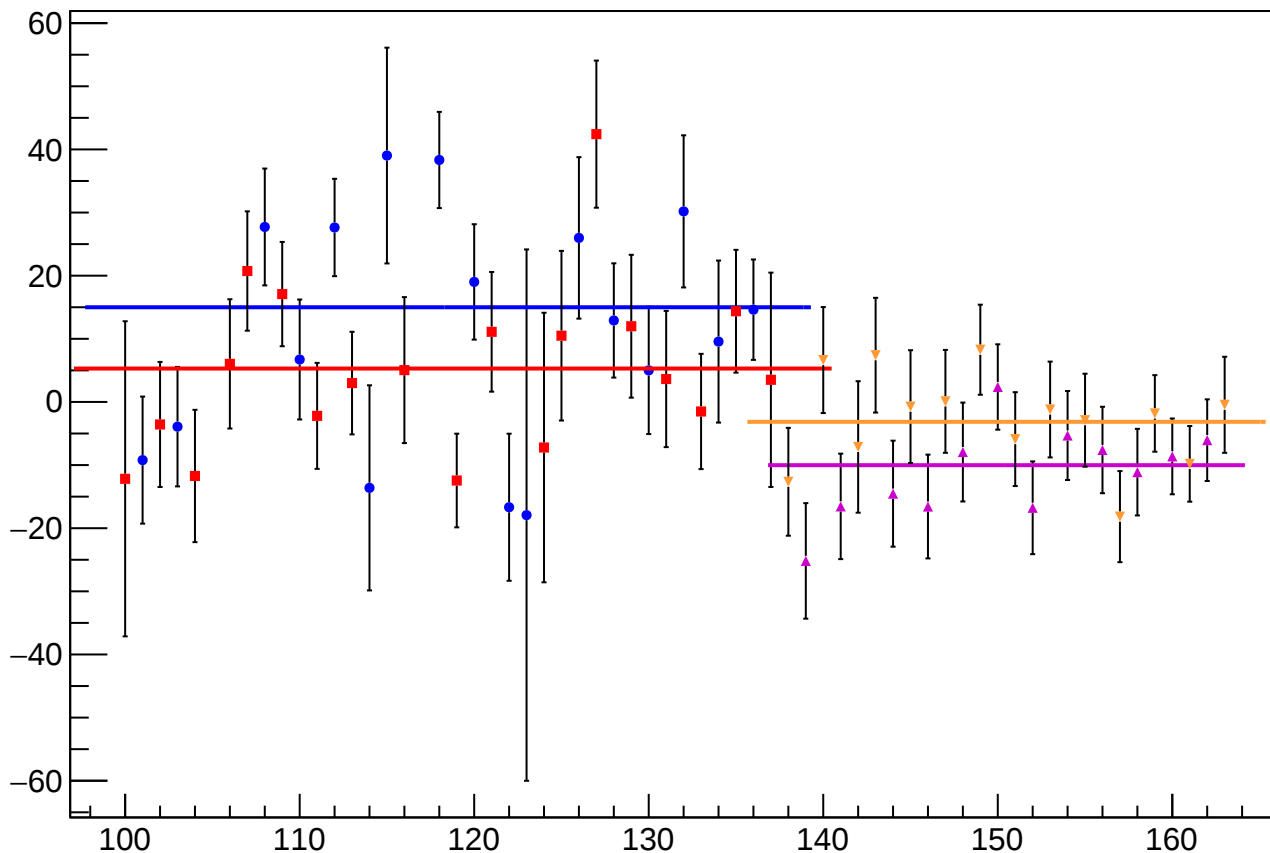
Right: 2029.129+/-0.390 χ^2/NDF : 733495.1/35

In: 1854.822+/-0.328 χ^2/NDF : 930294.7/28

Out: 1809.597+/-0.310 χ^2/NDF : 1146692.0/32

All: 1830.893+/-0.225 χ^2/NDF : 2087029.8/63

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.997 $\pm$ 2.485 χ^2/NDF : 41.3/16

Left Out: -3.146 $\pm$ 2.033 χ^2/NDF :12.8/13

Right Out: 5.291 $\pm$ 2.357 χ^2/NDF : 28.1/18

Left In: -10.017 $\pm$ 2.102 χ^2/NDF :9.6/11

Left: -6.467 $\pm$ 1.461 χ^2/NDF : 27.9/25

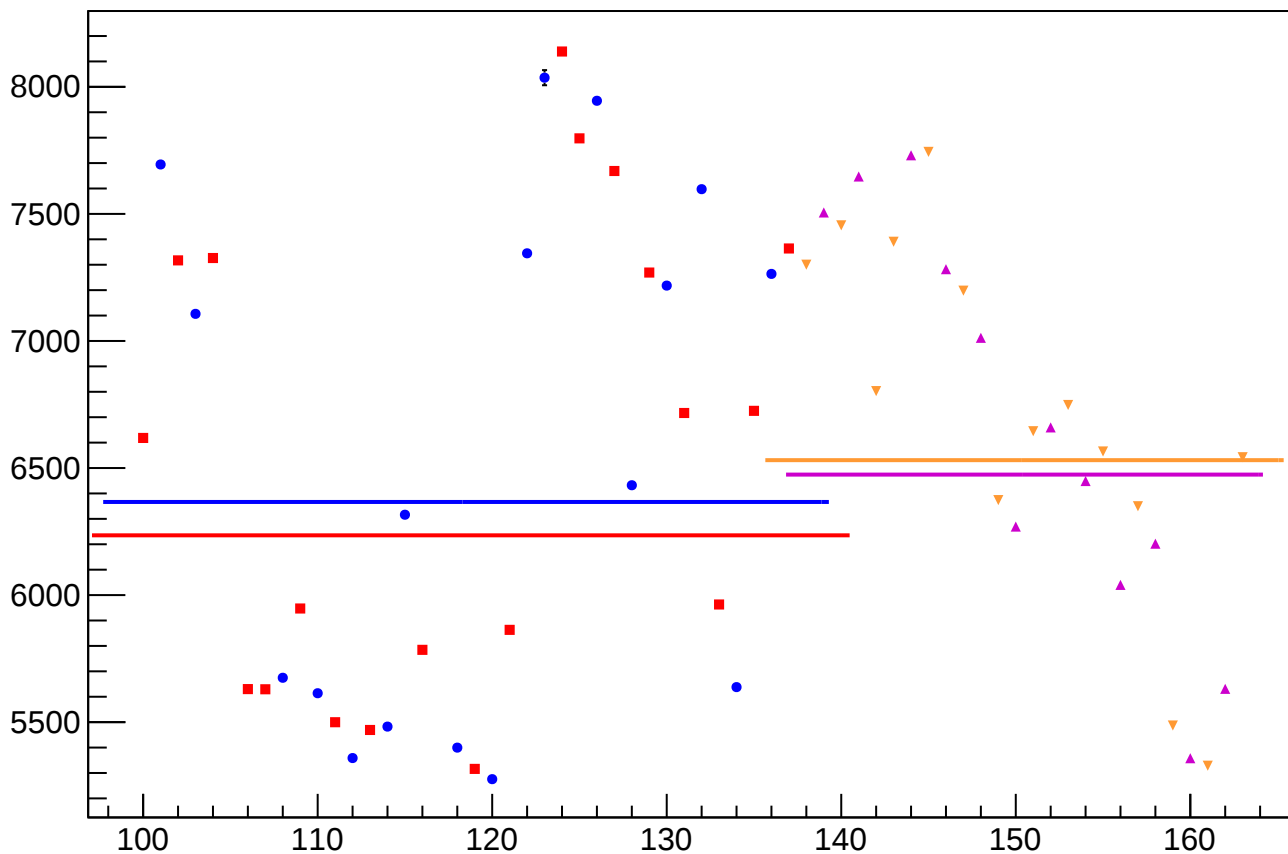
Right: 9.888 $\pm$ 1.710 χ^2/NDF : 77.4/35

In: 0.413 $\pm$ 1.605 χ^2/NDF :109.9/28

Out: 0.453 $\pm$ 1.540 χ^2/NDF :48.2/32

All: 0.434 $\pm$ 1.111 χ^2/NDF : 158.2/61

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6366.491 ± 1.757 $\chi^2/\text{NDF}: 286494.5/16$

Left Out: 6530.967 ± 1.438 $\chi^2/\text{NDF}: 254249.7/13$

Right Out: 6235.179 ± 1.667 $\chi^2/\text{NDF}: 243204.0/18$

Left In: 6474.162 ± 1.486 $\chi^2/\text{NDF}: 255893.2/11$

Left: 6503.509 ± 1.033 $\chi^2/\text{NDF}: 510897.6/25$

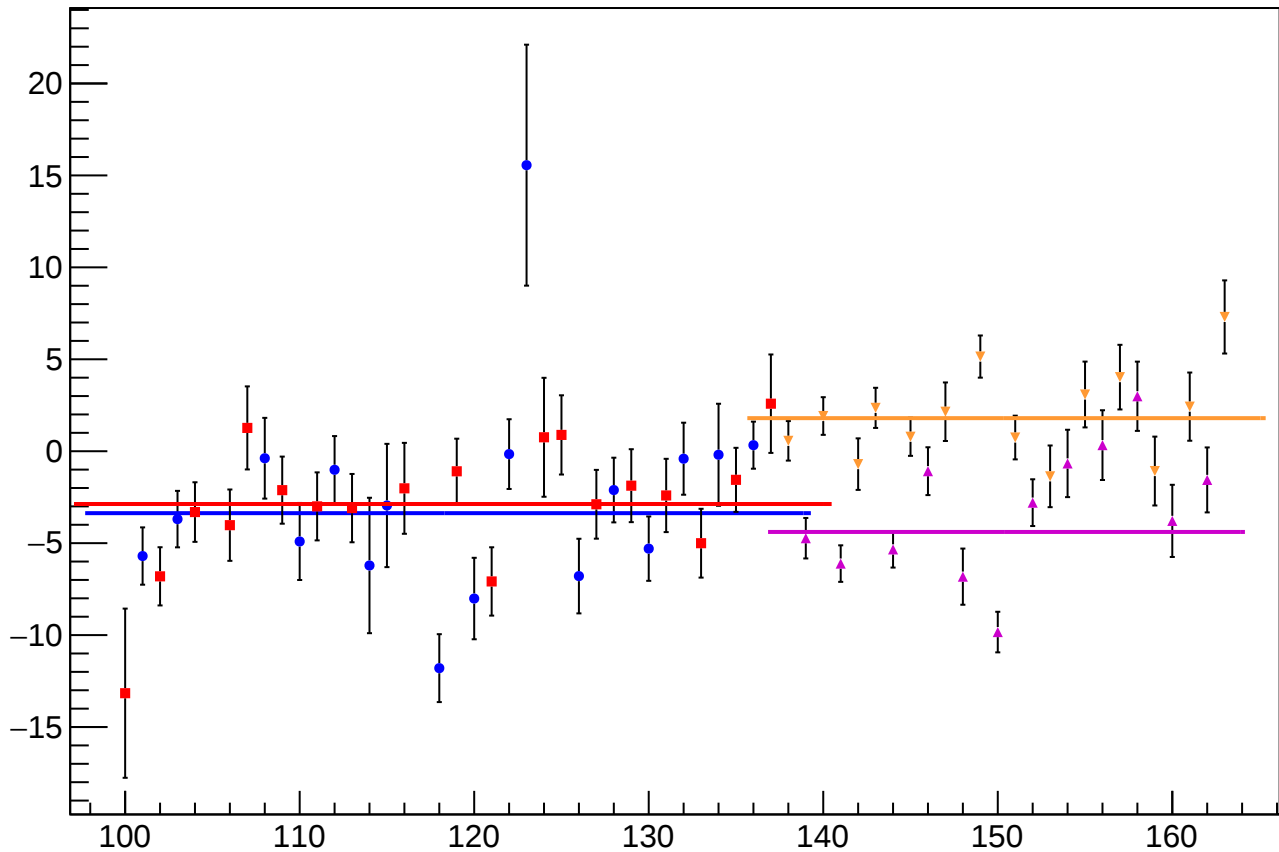
Right: 6297.369 ± 1.209 $\chi^2/\text{NDF}: 532637.5/35$

In: 6429.265 ± 1.135 $\chi^2/\text{NDF}: 544576.2/28$

Out: 6404.801 ± 1.089 $\chi^2/\text{NDF}: 515510.0/32$

All: 6416.525 ± 0.786 $\chi^2/\text{NDF}: 1060328.2/63$

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.368 ± 0.476 $\chi^2/\text{NDF}: 59.9/16$

Left Out: 1.799 ± 0.359 $\chi^2/\text{NDF}: 30.9/13$

Right Out: -2.871 ± 0.456 $\chi^2/\text{NDF}: 32.0/18$

Left In: -4.390 ± 0.385 $\chi^2/\text{NDF}: 67.3/11$

Left: -1.080 ± 0.262 $\chi^2/\text{NDF}: 236.6/25$

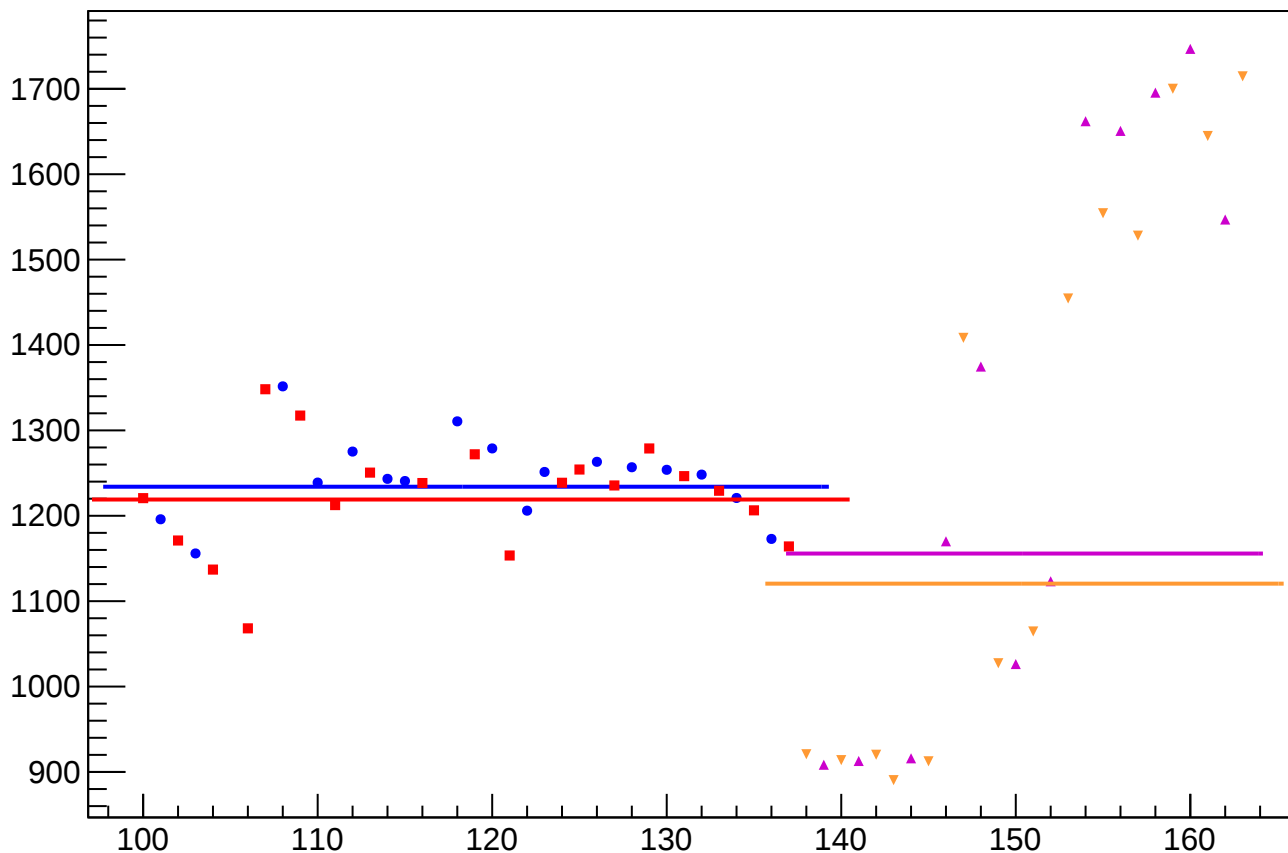
Right: -3.109 ± 0.329 $\chi^2/\text{NDF}: 92.5/35$

In: -3.986 ± 0.299 $\chi^2/\text{NDF}: 129.9/28$

Out: 0.016 ± 0.282 $\chi^2/\text{NDF}: 127.6/32$

All: -1.868 ± 0.205 $\chi^2/\text{NDF}: 352.4/61$

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Left: 1136.915 ± 0.186 $\chi^2/\text{NDF}: 2427206.9/25$

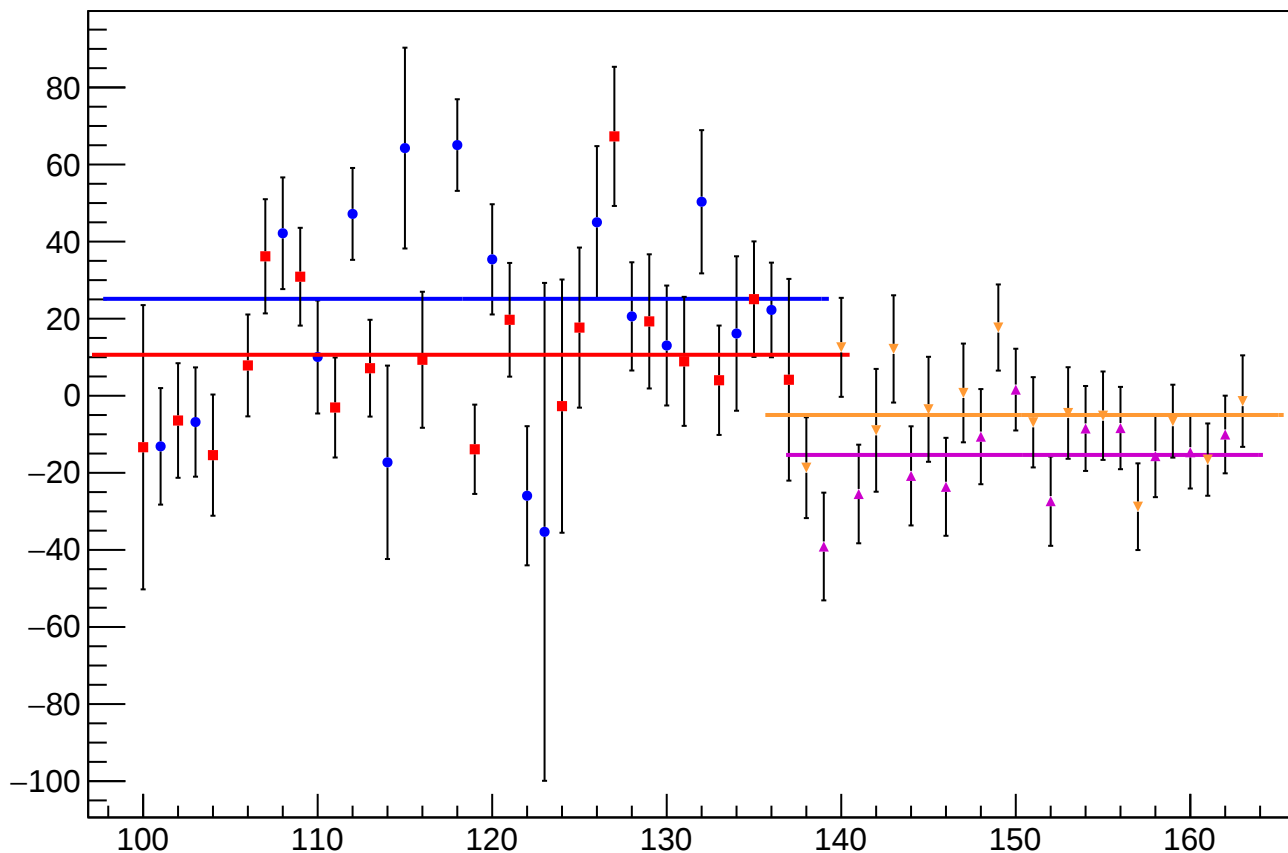
Right: 1226.229 ± 0.233 $\chi^2/\text{NDF}: 64970.2/35$

In: 1186.728 ± 0.211 $\chi^2/\text{NDF}: 1197222.8/28$

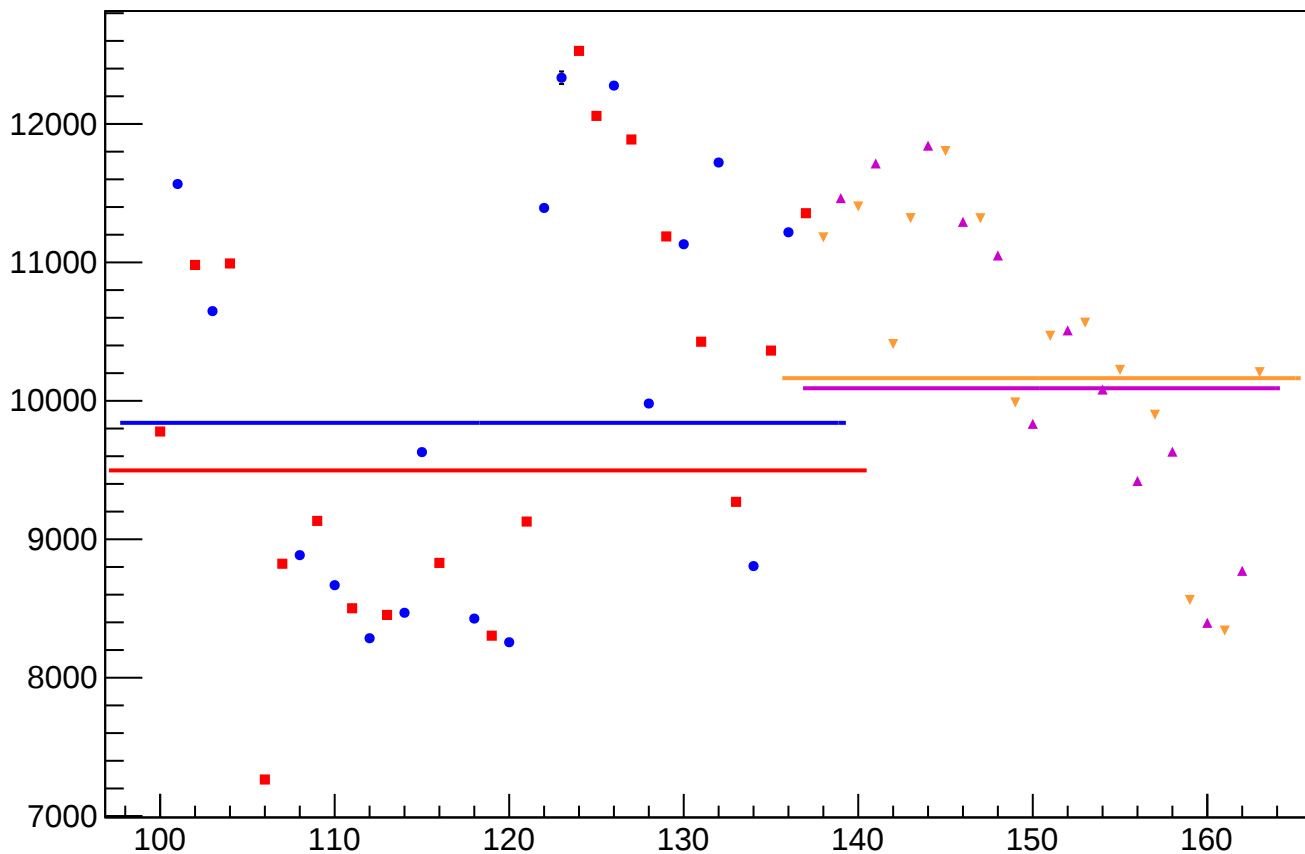
Out: 1158.136 ± 0.199 $\chi^2/\text{NDF}: 1375289.8/32$

All: 1171.594 ± 0.145 $\chi^2/\text{NDF}: 2582189.1/63$

diff_bpm0l07X_mean vs Slug, Sign Corrected



diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9841.174 ± 2.713 $\chi^2/\text{NDF}: 260062.4/16$

Left Out: 10163.737 ± 2.236 $\chi^2/\text{NDF}: 228530.5/13$

Right Out: 9497.483 ± 2.542 $\chi^2/\text{NDF}: 276700.1/18$

Left In: 10090.869 ± 2.315 $\chi^2/\text{NDF}: 233111.3/11$

Left: 10128.563 ± 1.608 $\chi^2/\text{NDF}: 462154.4/25$

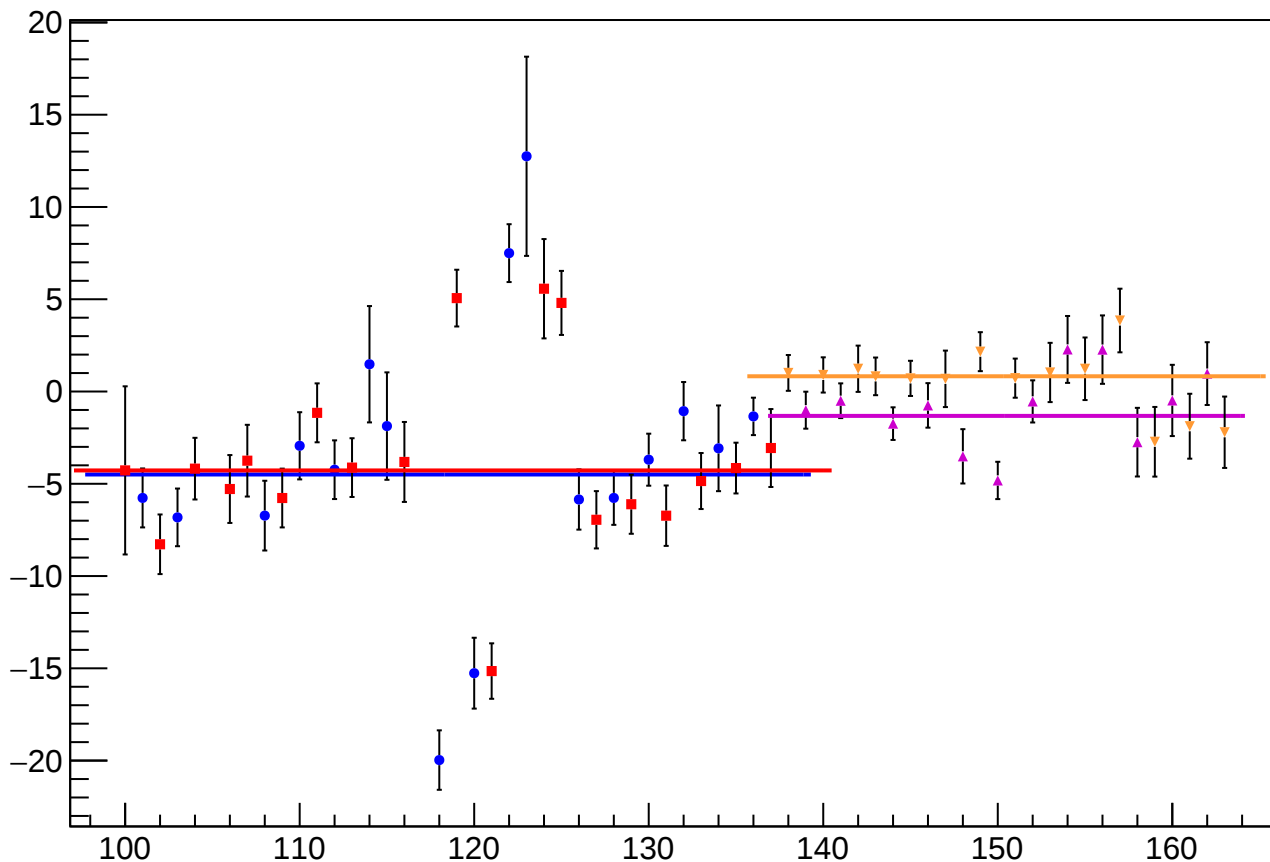
Right: 9658.117 ± 1.855 $\chi^2/\text{NDF}: 545307.6/35$

In: 9985.699 ± 1.761 $\chi^2/\text{NDF}: 498074.9/28$

Out: 9873.083 ± 1.679 $\chi^2/\text{NDF}: 543963.3/32$

All: 9926.703 ± 1.215 $\chi^2/\text{NDF}: 1044180.6/63$

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.497 ± 0.408 χ^2/NDF : 218.4/16

Left Out: 0.826 ± 0.333 χ^2/NDF : 13.3/13

Right Out: -4.277 ± 0.394 χ^2/NDF : 148.2/18

Left In: -1.321 ± 0.358 χ^2/NDF : 26.3/11

Left: -0.170 ± 0.244 χ^2/NDF : 58.8/25

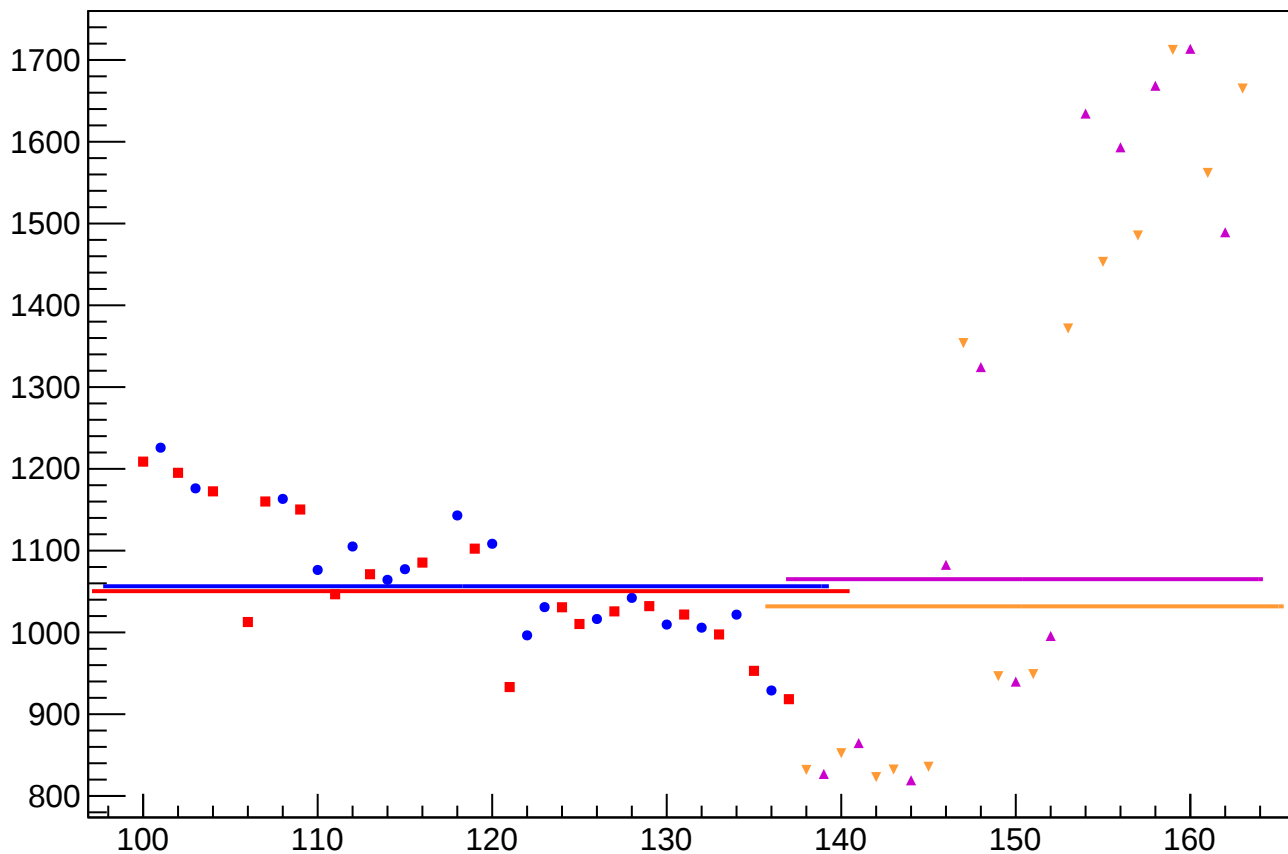
Right: -4.383 ± 0.283 χ^2/NDF : 366.8/35

In: -2.702 ± 0.269 χ^2/NDF : 278.9/28

Out: -1.301 ± 0.254 χ^2/NDF : 259.4/32

All: -1.962 ± 0.185 χ^2/NDF : 552.6/61

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1056.436 $\pm$ 0.289 χ^2 /NDF: 90773.0/16

Left Out: 1031.861 $\pm$ 0.236 χ^2 /NDF:1493808.2/13

Right Out: 1050.443 $\pm$ 0.279 χ^2 /NDF: 82396.5/18

Left In: 1065.105 $\pm$ 0.253 χ^2 /NDF:1379213.7/11

Left: 1047.280 $\pm$ 0.172 χ^2 /NDF: 2882262.7/25

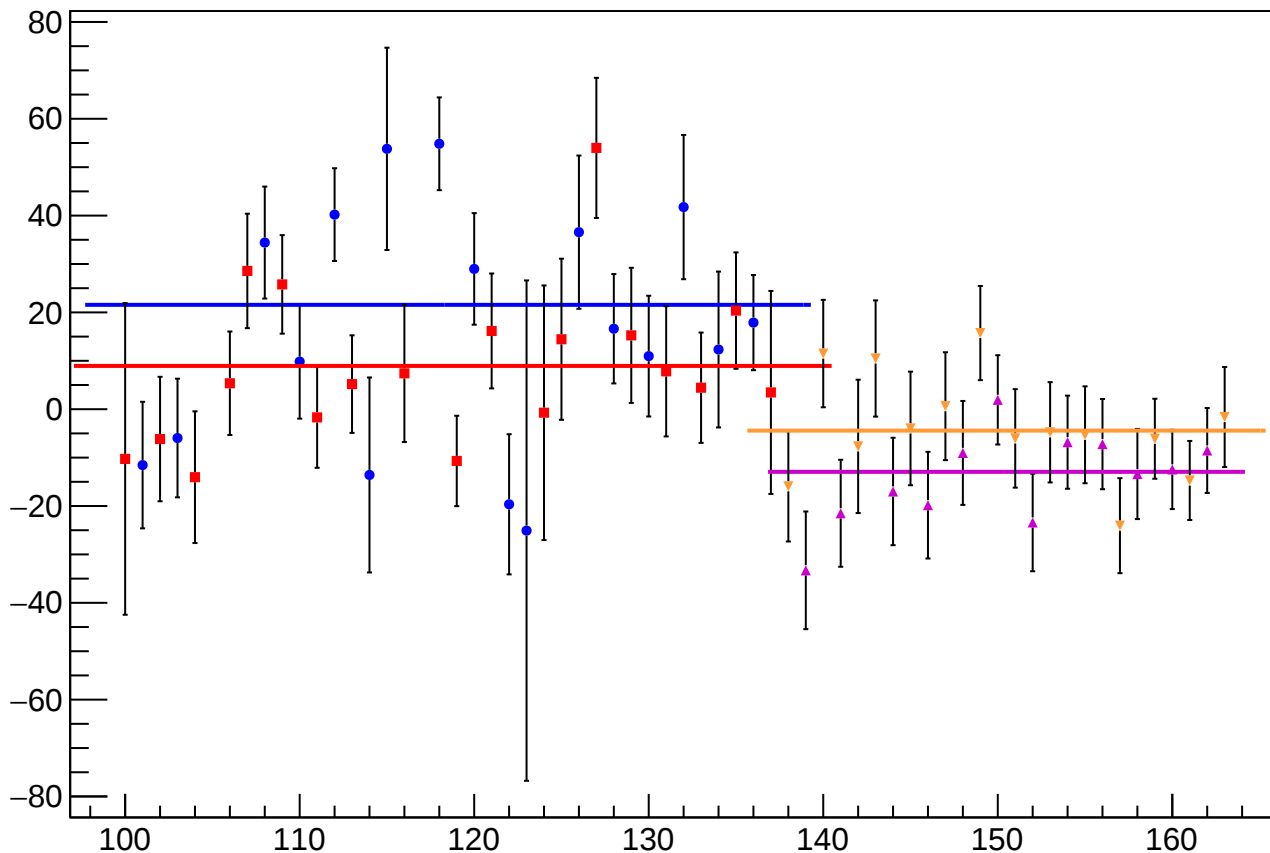
Right: 1053.333 $\pm$ 0.200 χ^2 /NDF: 173392.8/35

In: 1061.334 $\pm$ 0.190 χ^2 /NDF:1470496.5/28

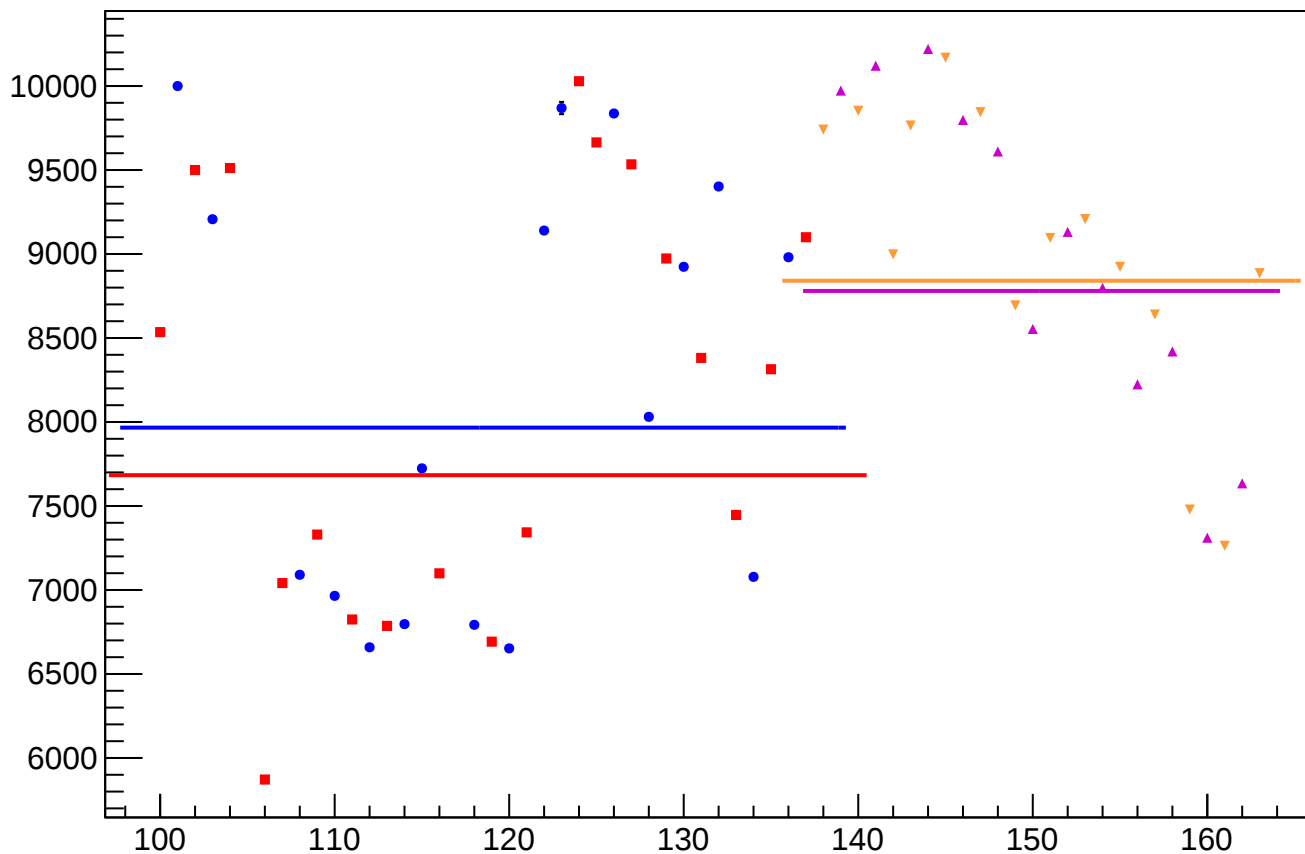
Out: 1039.608 $\pm$ 0.180 χ^2 /NDF:1578800.1/32

All: 1049.855 $\pm$ 0.131 χ^2 /NDF: 3056179.6/61

diff_bpm0l08X_mean vs Slug, Sign Corrected



diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7966.405 $\pm$ 2.199 χ^2 /NDF: 296611.1/16

Left Out: 8840.944 $\pm$ 1.944 χ^2 /NDF: 217230.7/13

Right Out: 7683.479 $\pm$ 2.059 χ^2 /NDF: 315033.7/18

Left In: 8780.128 $\pm$ 2.013 χ^2 /NDF: 223564.6/11

Left: 8811.596 $\pm$ 1.399 χ^2 /NDF: 441267.4/25

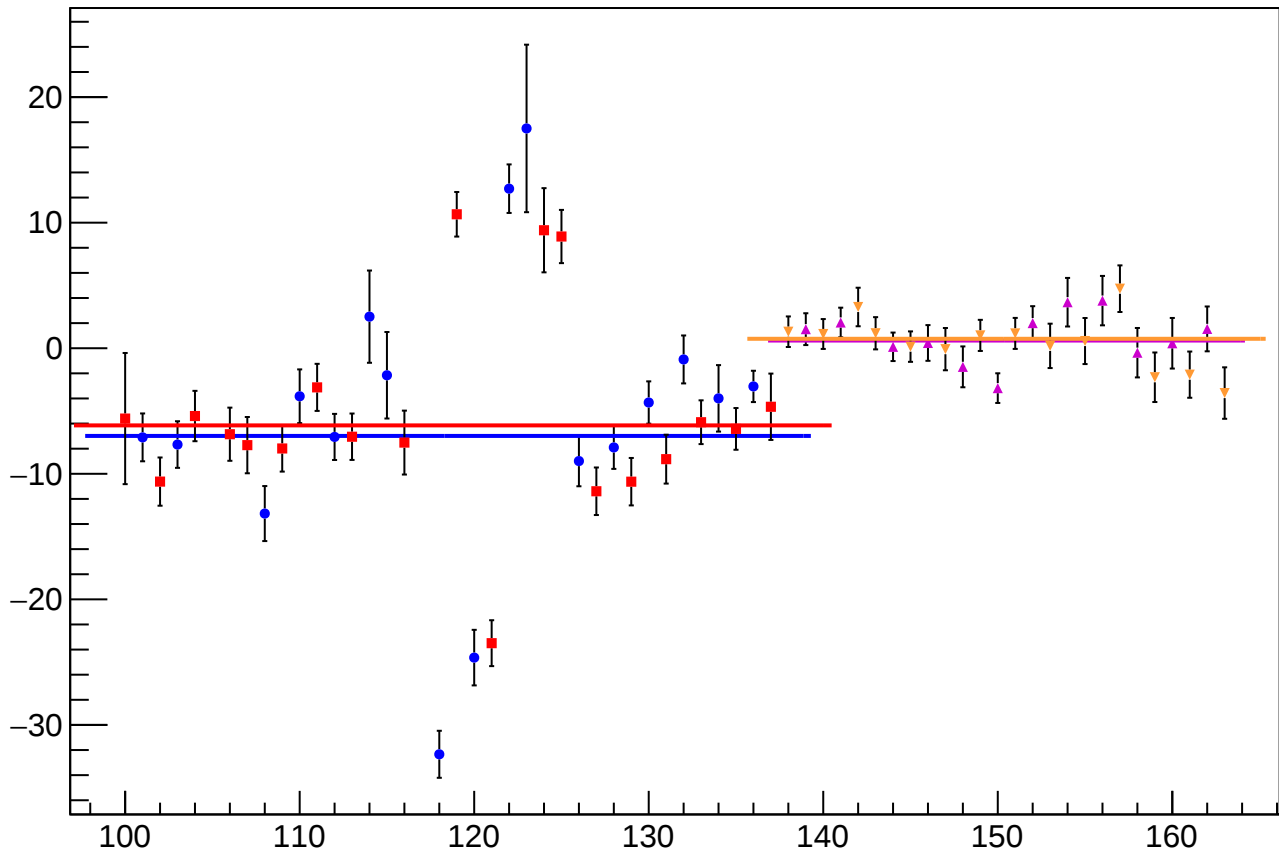
Right: 7815.627 $\pm$ 1.503 χ^2 /NDF: 620463.8/35

In: 8409.128 $\pm$ 1.485 χ^2 /NDF: 594652.2/28

Out: 8295.328 $\pm$ 1.414 χ^2 /NDF: 699311.7/32

All: 8349.427 $\pm$ 1.024 χ^2 /NDF: 1297044.5/63

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.984 ± 0.486 χ^2/NDF : 408.5/16

Left Out: 0.752 ± 0.394 χ^2/NDF : 17.8/13

Right Out: -6.145 ± 0.467 χ^2/NDF : 277.5/18

Left In: 0.612 ± 0.422 χ^2/NDF : 20.8/11

Left: 0.687 ± 0.288 χ^2/NDF : 38.7/25

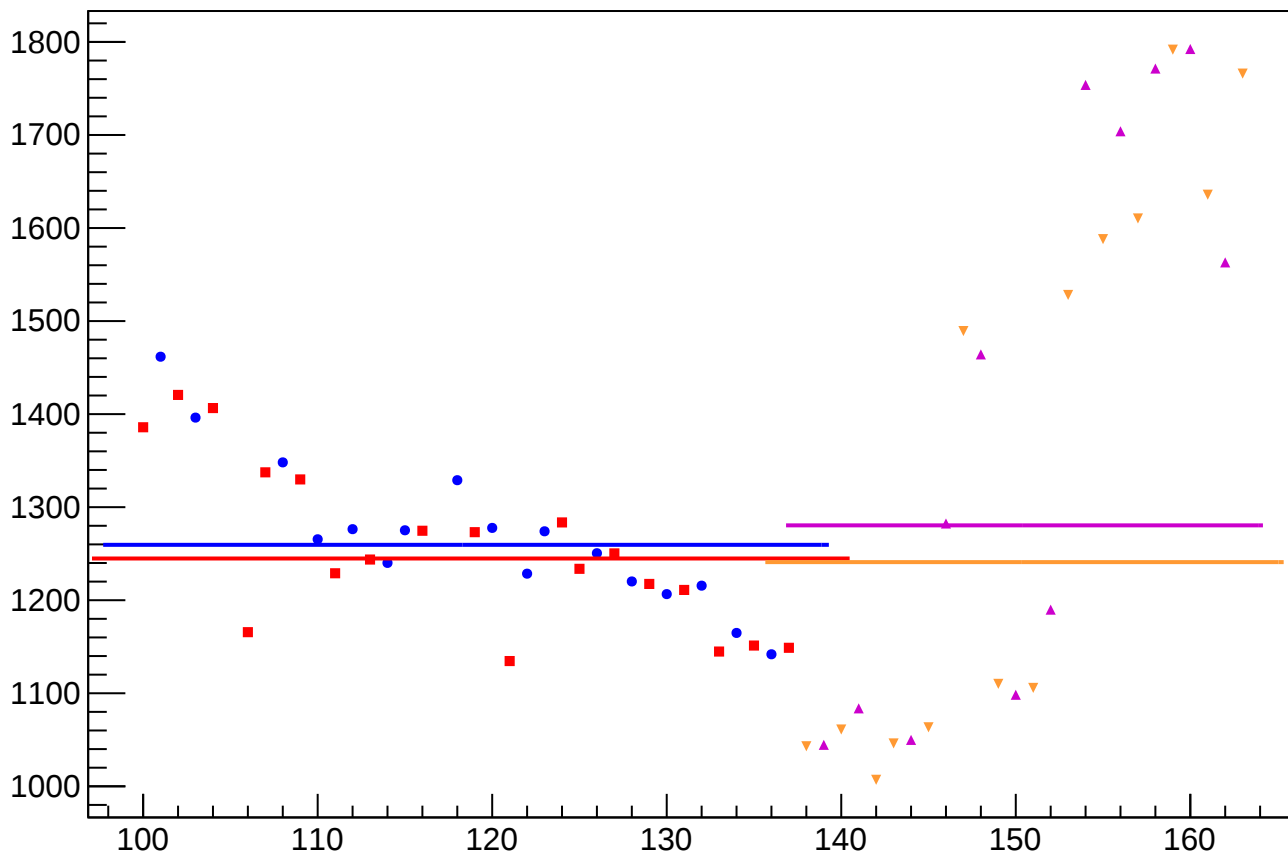
Right: -6.547 ± 0.337 χ^2/NDF : 687.6/35

In: -2.656 ± 0.319 χ^2/NDF : 568.4/28

Out: -2.116 ± 0.301 χ^2/NDF : 422.9/32

All: -2.370 ± 0.219 χ^2/NDF : 992.9/61

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1259.531 $\pm$ 0.344 χ^2 /NDF: 64844.4/16

Left Out: 1240.949 $\pm$ 0.278 χ^2 /NDF: 906697.1/13

Right Out: 1244.837 $\pm$ 0.330 χ^2 /NDF: 66826.0/18

Left In: 1280.455 $\pm$ 0.299 χ^2 /NDF: 805639.3/11

Left: 1259.310 $\pm$ 0.204 χ^2 /NDF: 1721696.7/25

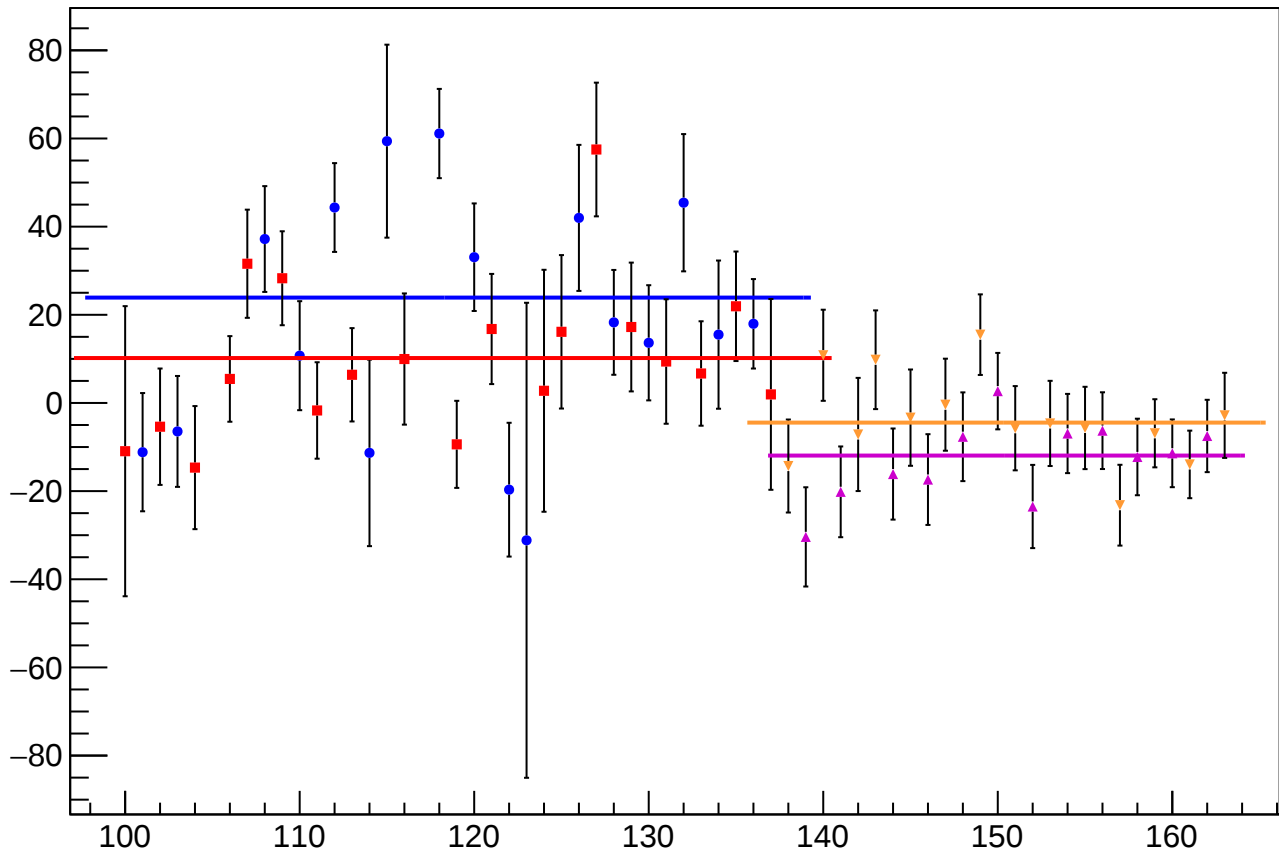
Right: 1251.883 $\pm$ 0.238 χ^2 /NDF: 132621.3/35

In: 1271.453 $\pm$ 0.225 χ^2 /NDF: 872594.5/28

Out: 1242.565 $\pm$ 0.213 χ^2 /NDF: 973604.2/32

All: 1256.171 $\pm$ 0.155 χ^2 /NDF: 1854880.0/63

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.904 ± 3.251 $\chi^2/\text{NDF}: 52.4/16$

Left Out: -4.457 ± 2.570 $\chi^2/\text{NDF}: 15.5/13$

Right Out: 10.190 ± 3.006 $\chi^2/\text{NDF}: 27.9/18$

Left In: -11.935 ± 2.662 $\chi^2/\text{NDF}: 9.3/11$

Left: -8.065 ± 1.849 $\chi^2/\text{NDF}: 28.9/25$

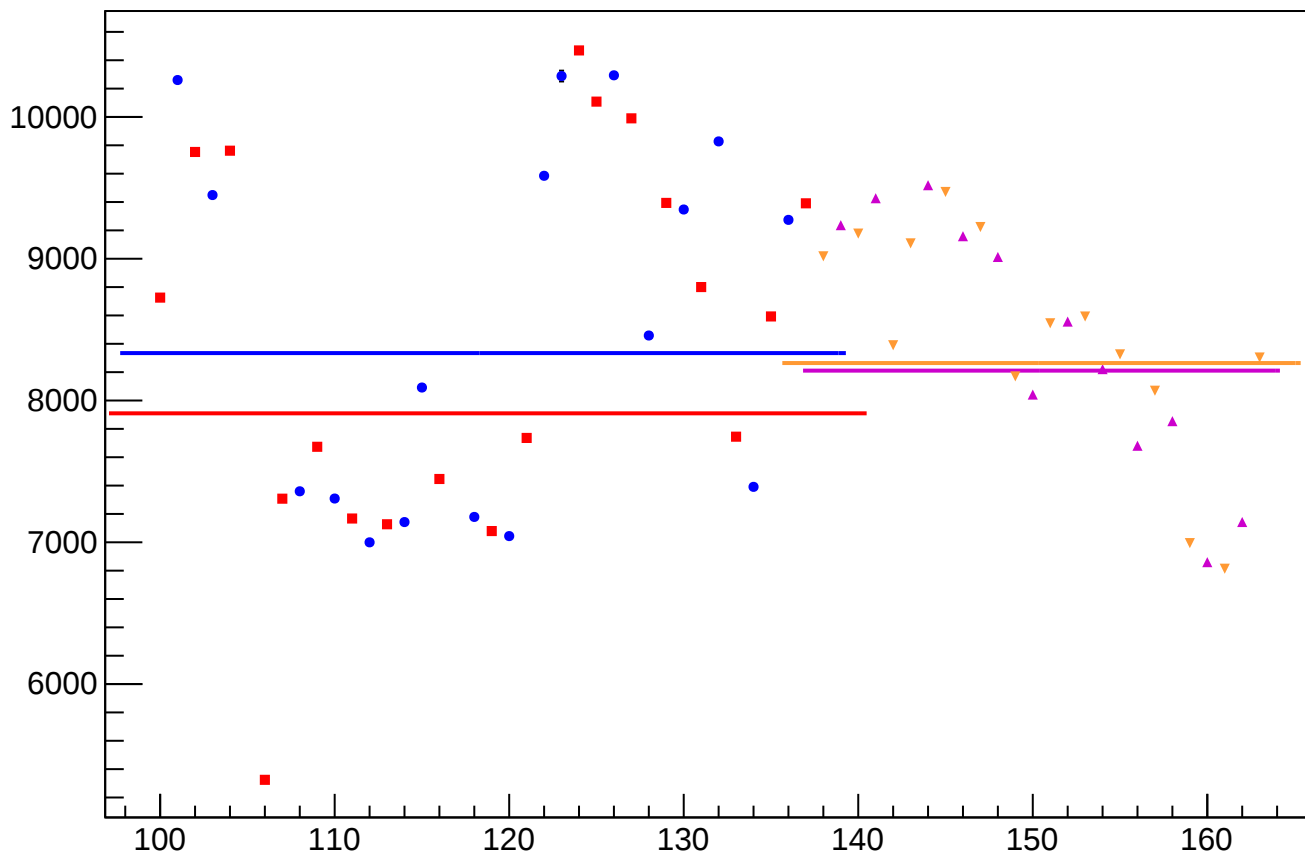
Right: 16.511 ± 2.207 $\chi^2/\text{NDF}: 90.0/35$

In: 2.451 ± 2.059 $\chi^2/\text{NDF}: 134.5/28$

Out: 1.728 ± 1.953 $\chi^2/\text{NDF}: 57.2/32$

All: 2.071 ± 1.417 $\chi^2/\text{NDF}: 191.8/61$

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8334.507 $\pm$ 2.299 χ^2/NDF : 272302.6/16

Left Out: 8264.299 $\pm$ 1.817 χ^2/NDF : 209611.7/13

Right Out: 7909.620 $\pm$ 2.125 χ^2/NDF : 390819.3/18

Left In: 8210.814 $\pm$ 1.882 χ^2/NDF : 216067.7/11

Left: 8238.498 $\pm$ 1.307 χ^2/NDF : 426097.3/25

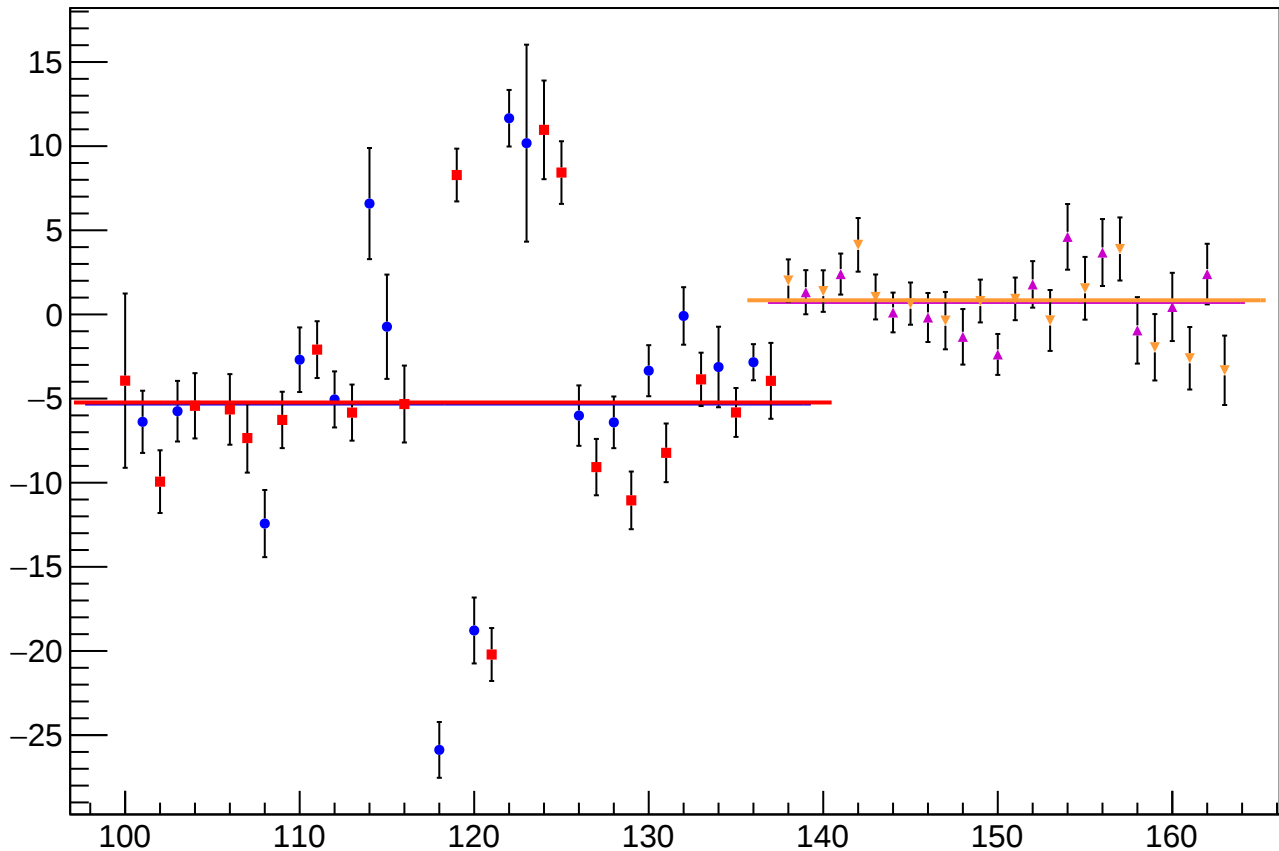
Right: 8105.450 $\pm$ 1.560 χ^2/NDF : 681543.4/35

In: 8260.466 $\pm$ 1.456 χ^2/NDF : 490103.7/28

Out: 8114.517 $\pm$ 1.381 χ^2/NDF : 616520.5/32

All: 8183.628 $\pm$ 1.002 χ^2/NDF : 1111912.4/63

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.295 ± 0.437 χ^2/NDF : 358.1/16

Left Out: 0.841 ± 0.404 χ^2/NDF : 18.6/13

Right Out: -5.233 ± 0.422 χ^2/NDF : 281.9/18

Left In: 0.743 ± 0.433 χ^2/NDF : 19.1/11

Left: 0.795 ± 0.295 χ^2/NDF : 37.8/25

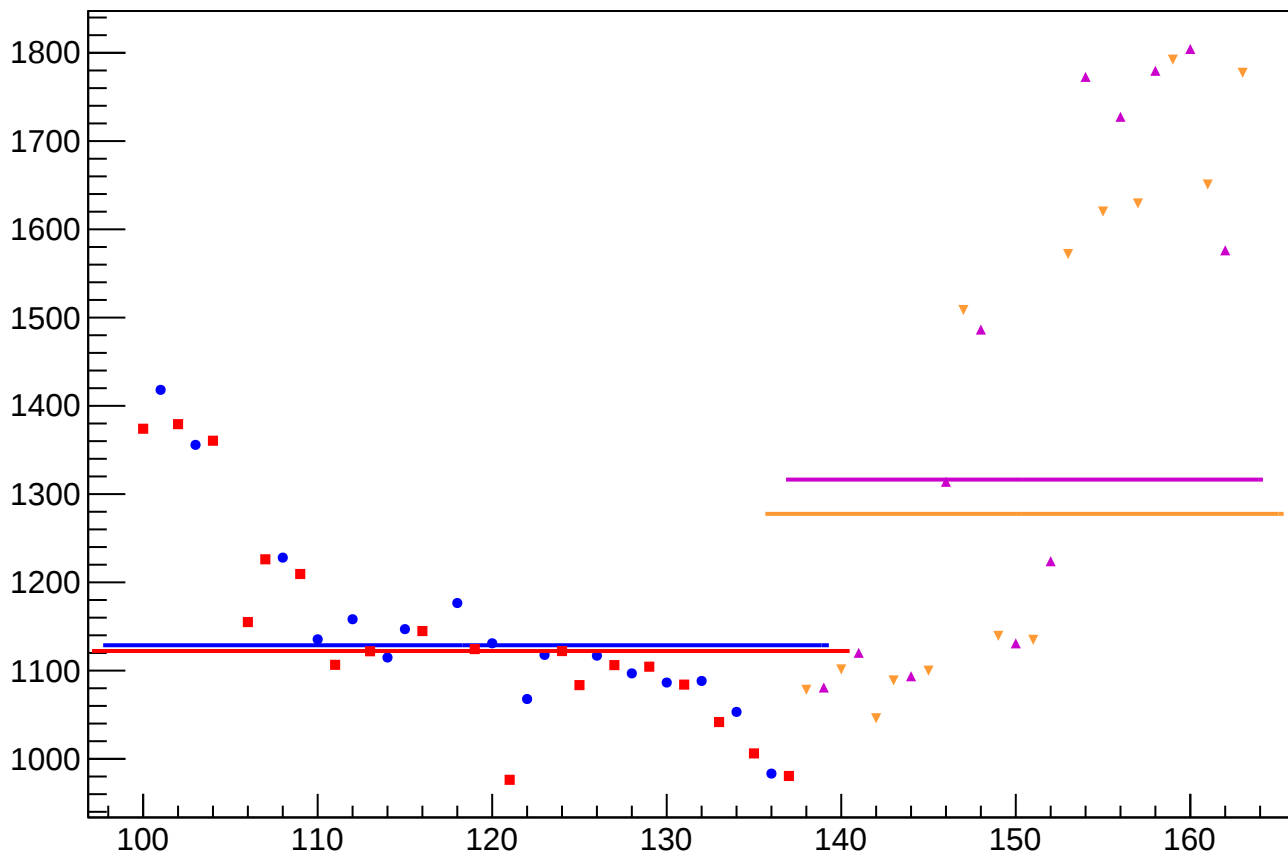
Right: -5.263 ± 0.303 χ^2/NDF : 640.0/35

In: -2.250 ± 0.308 χ^2/NDF : 473.6/28

Out: -2.067 ± 0.292 χ^2/NDF : 408.7/32

All: -2.154 ± 0.212 χ^2/NDF : 882.5/61

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1128.740 ± 0.309 $\chi^2/\text{NDF}: 133096.9/16$

Left Out: 1277.605 ± 0.286 $\chi^2/\text{NDF}: 824074.4/13$

Right Out: 1122.238 ± 0.298 $\chi^2/\text{NDF}: 129601.6/18$

Left In: 1316.430 ± 0.306 $\chi^2/\text{NDF}: 726515.1/11$

Left: 1295.677 ± 0.209 $\chi^2/\text{NDF}: 1559181.2/25$

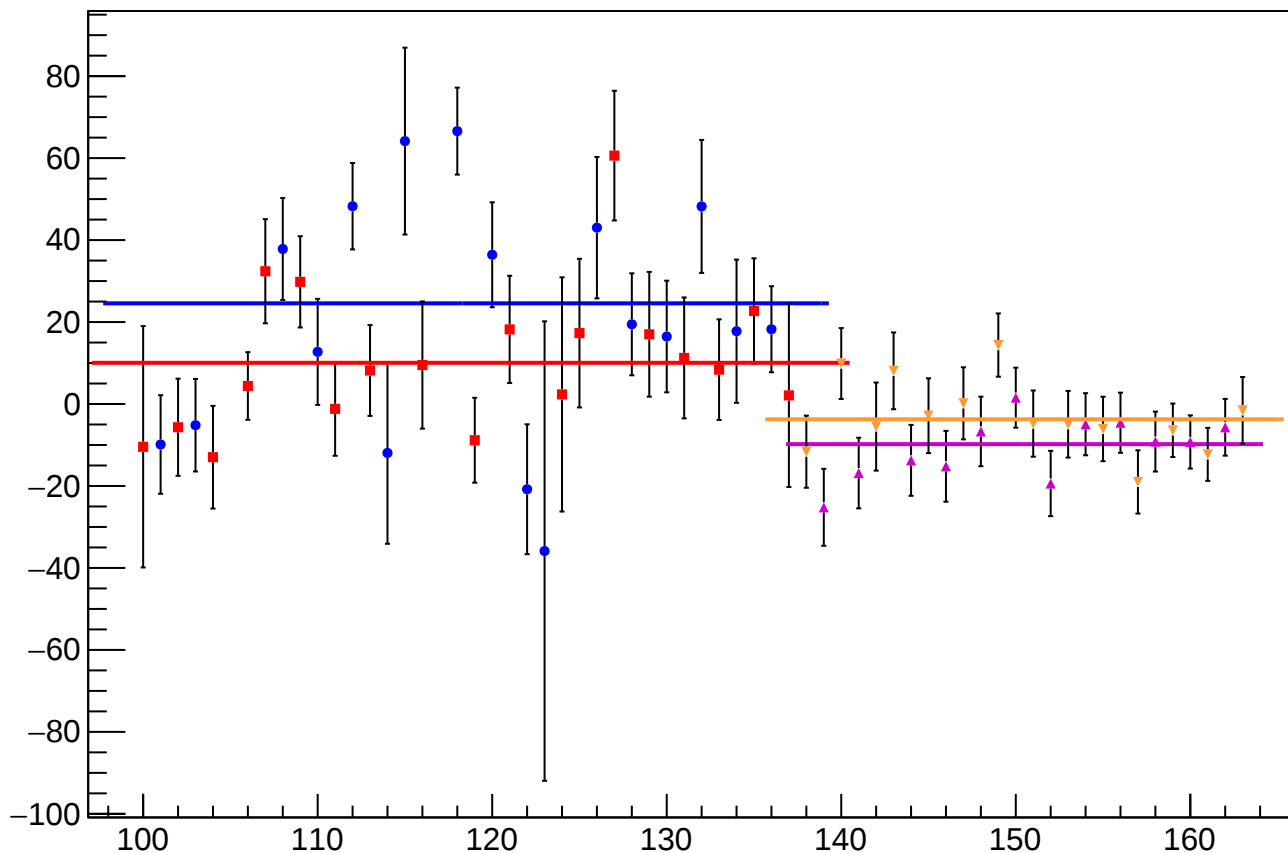
Right: 1125.374 ± 0.215 $\chi^2/\text{NDF}: 262927.9/35$

In: 1223.398 ± 0.217 $\chi^2/\text{NDF}: 1045812.8/28$

Out: 1203.216 ± 0.206 $\chi^2/\text{NDF}: 1095205.0/32$

All: 1212.775 ± 0.150 $\chi^2/\text{NDF}: 2145550.9/63$

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.569 ± 3.318 $\chi^2/\text{NDF}: 58.1/16$

Left Out: -3.727 ± 2.162 $\chi^2/\text{NDF}: 16.6/13$

Right Out: 10.057 ± 3.008 $\chi^2/\text{NDF}: 28.8/18$

Left In: -9.790 ± 2.241 $\chi^2/\text{NDF}: 9.2/11$

Left: -6.650 ± 1.556 $\chi^2/\text{NDF}: 29.7/25$

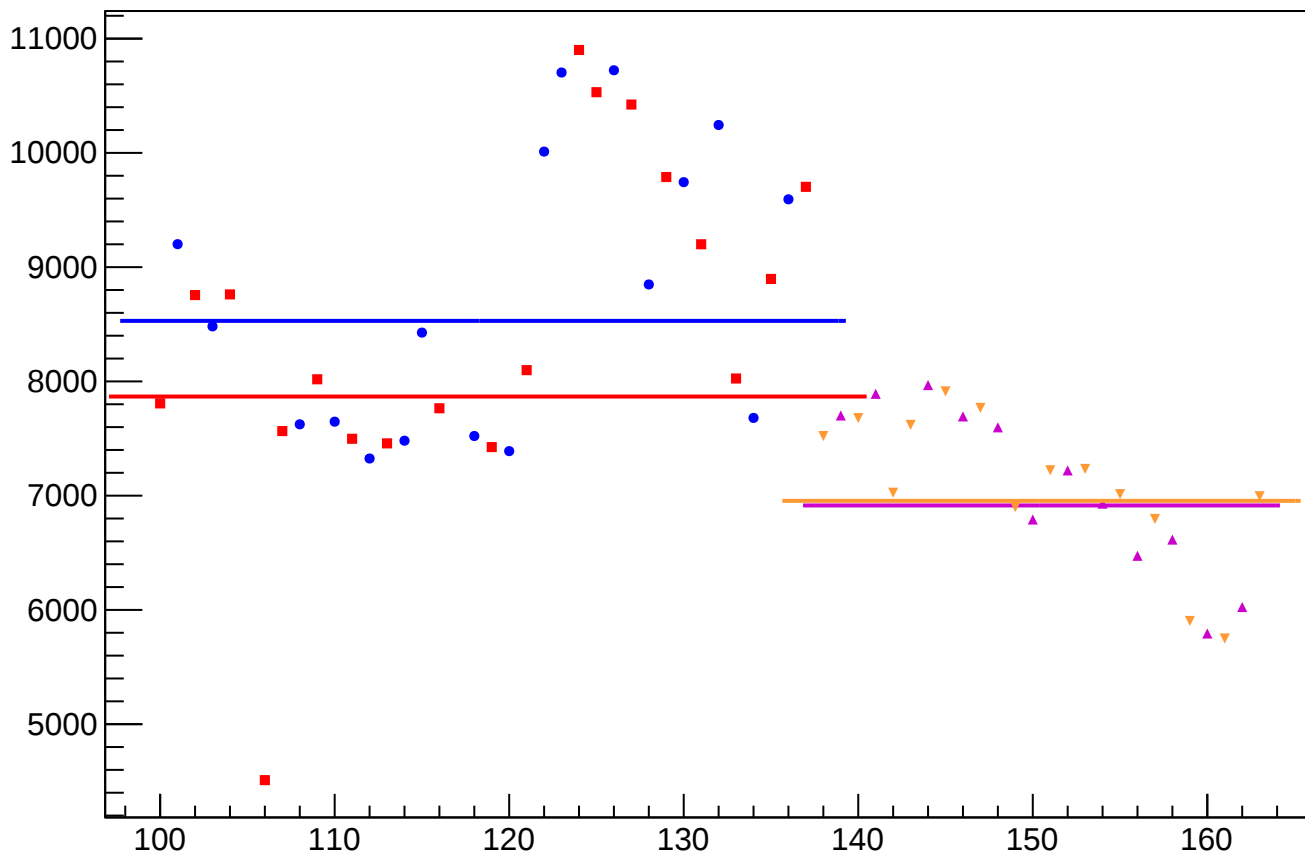
Right: 16.602 ± 2.229 $\chi^2/\text{NDF}: 97.4/35$

In: 0.970 ± 1.857 $\chi^2/\text{NDF}: 141.0/28$

Out: 0.969 ± 1.755 $\chi^2/\text{NDF}: 59.3/32$

All: 0.969 ± 1.276 $\chi^2/\text{NDF}: 200.3/61$

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8529.821 $\pm$ 2.346 χ^2 /NDF: 208336.1/16

Left Out: 6954.694 $\pm$ 1.529 χ^2 /NDF:198694.1/13

Right Out: 7867.584 $\pm$ 2.127 χ^2 /NDF: 555841.7/18

Left In: 6914.350 $\pm$ 1.584 χ^2 /NDF:205412.1/11

Left: 6935.245 $\pm$ 1.100 χ^2 /NDF: 404442.1/25

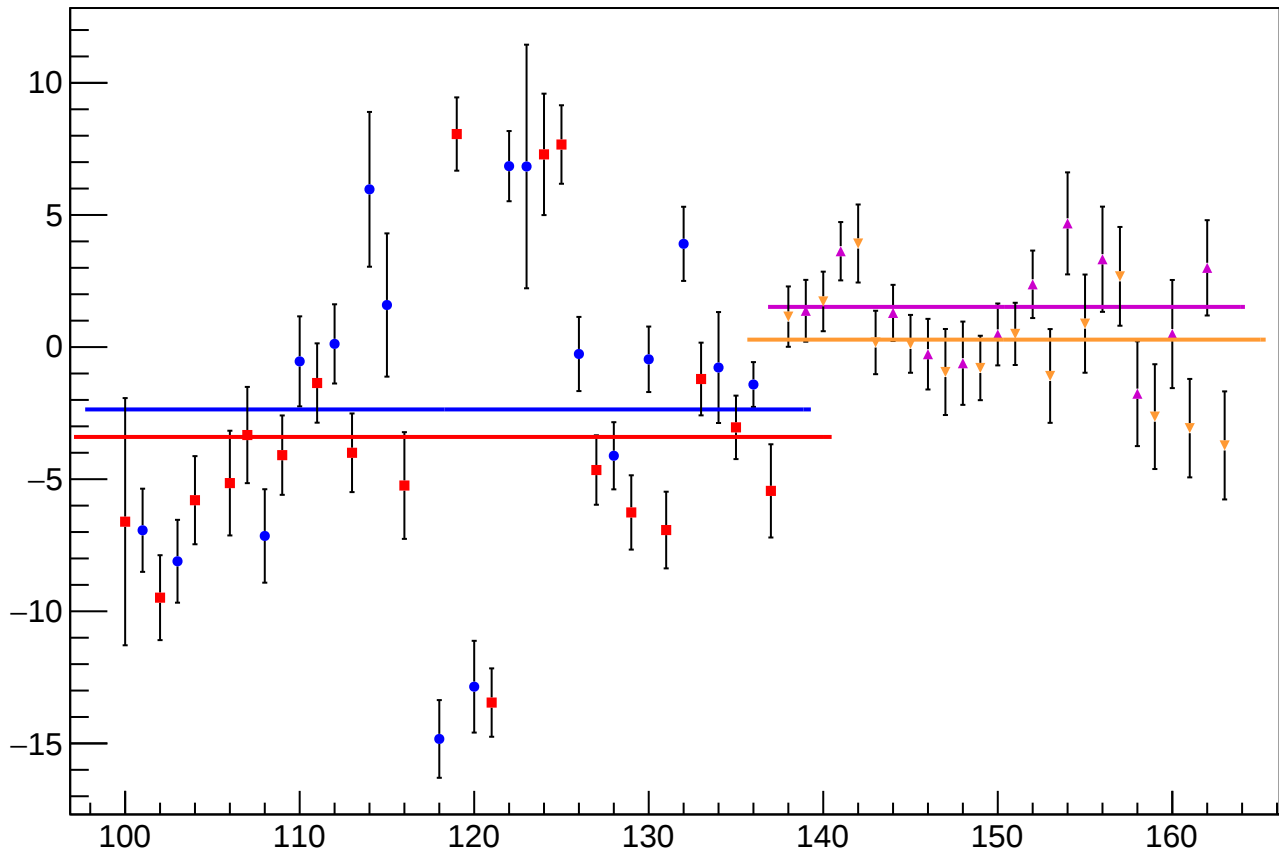
Right: 8166.253 $\pm$ 1.576 χ^2 /NDF: 807907.7/35

In: 7420.265 $\pm$ 1.313 χ^2 /NDF:739306.8/28

Out: 7265.666 $\pm$ 1.241 χ^2 /NDF:876023.6/32

All: 7338.621 $\pm$ 0.902 χ^2 /NDF: 1622650.8/63

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.360 ± 0.366 χ^2/NDF : 232.0/16

Left Out: 0.282 ± 0.378 χ^2/NDF : 21.3/13

Right Out: -3.401 ± 0.358 χ^2/NDF : 241.4/18

Left In: 1.521 ± 0.406 χ^2/NDF : 15.7/11

Left: 0.858 ± 0.277 χ^2/NDF : 42.0/25

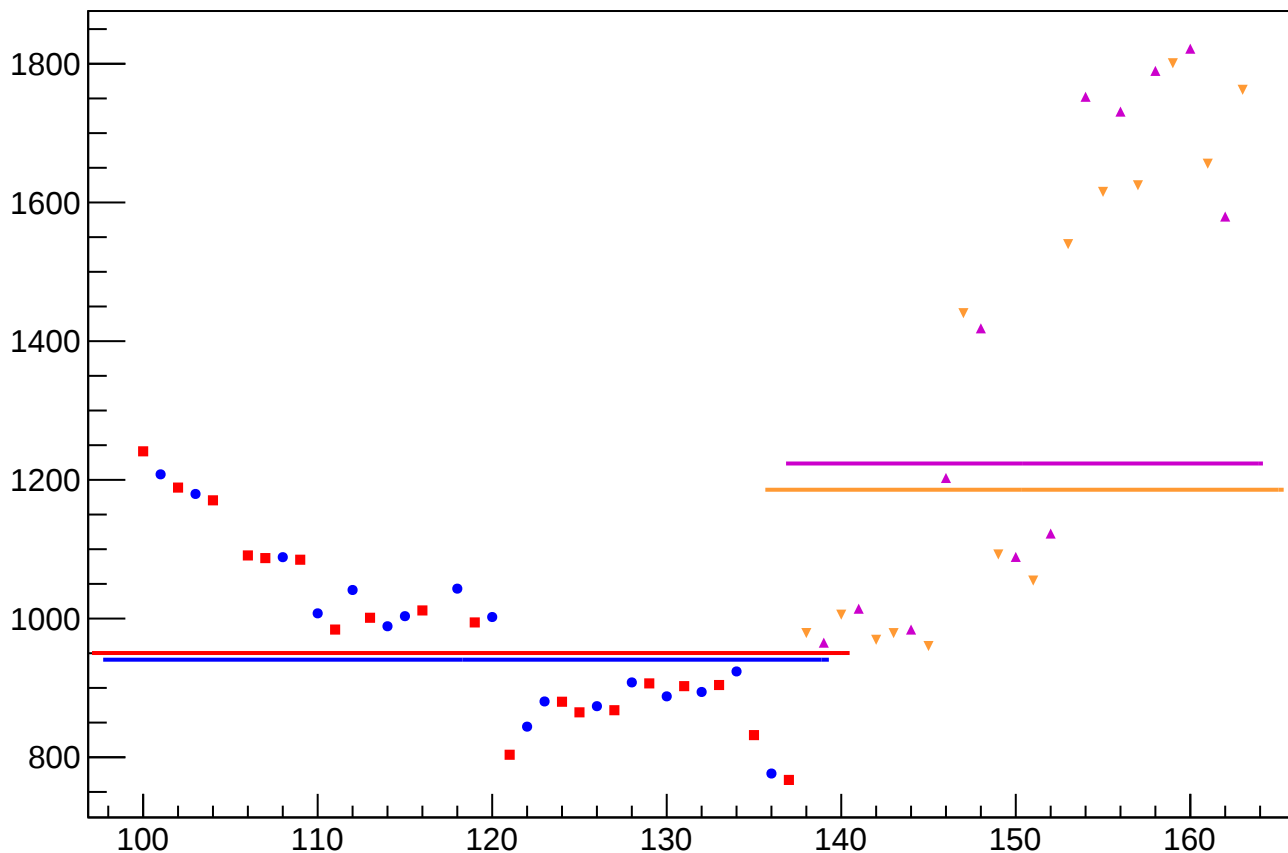
Right: -2.891 ± 0.256 χ^2/NDF : 477.6/35

In: -0.623 ± 0.272 χ^2/NDF : 298.2/28

Out: -1.660 ± 0.260 χ^2/NDF : 312.7/32

All: -1.164 ± 0.188 χ^2/NDF : 618.5/61

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 940.683 $\pm$ 0.258 χ^2 /NDF: 241768.4/16

Left Out: 1185.767 $\pm$ 0.268 χ^2 /NDF:1164561.1/13

Right Out: 950.316 $\pm$ 0.253 χ^2 /NDF: 220678.1/18

Left In: 1223.603 $\pm$ 0.287 χ^2 /NDF:1032740.1/11

Left: 1203.345 $\pm$ 0.196 χ^2 /NDF: 2206595.4/25

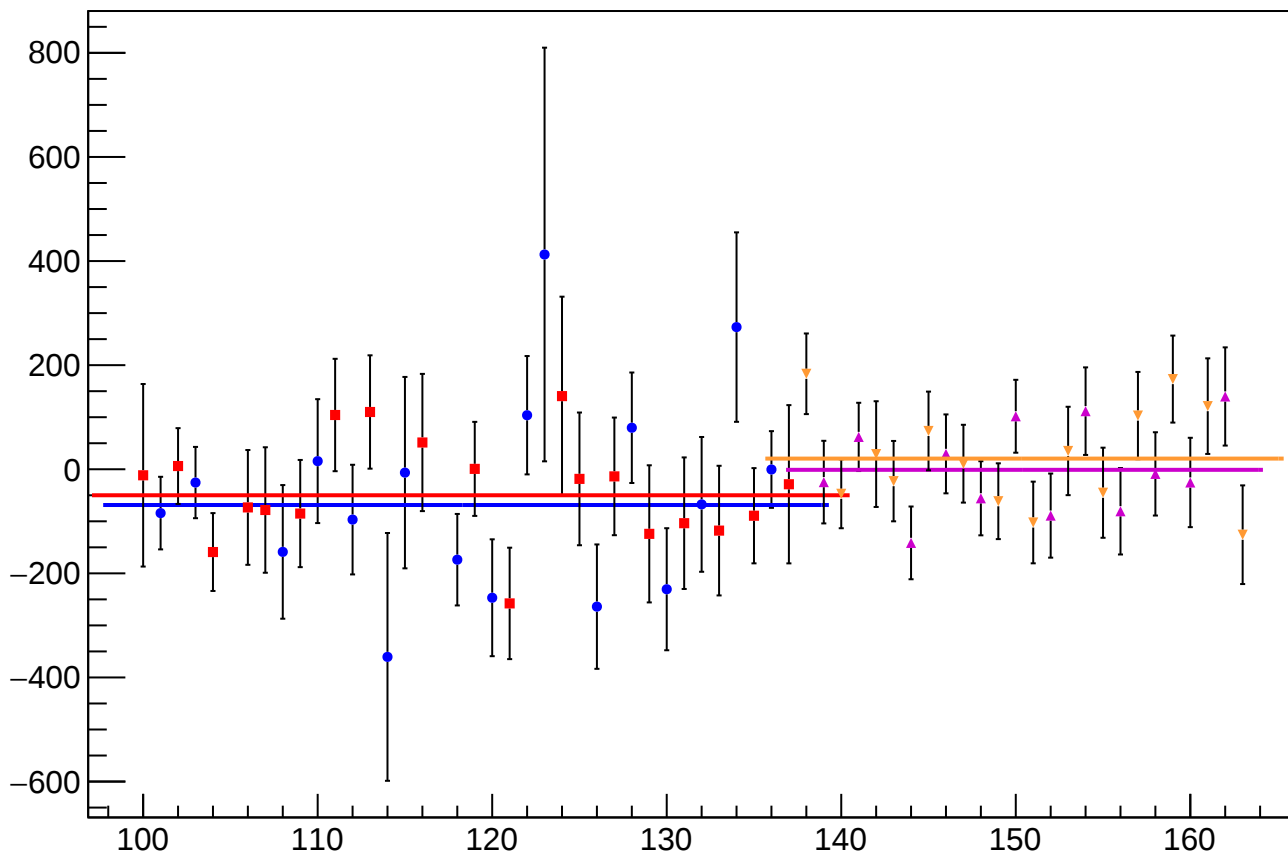
Right: 945.597 $\pm$ 0.181 χ^2 /NDF: 463155.1/35

In: 1067.303 $\pm$ 0.192 χ^2 /NDF:1810684.5/28

Out: 1061.615 $\pm$ 0.184 χ^2 /NDF:1793726.1/32

All: 1064.335 $\pm$ 0.133 χ^2 /NDF: 3604868.0/63

diff_bpm0r03X_mean vs Slug, Sign Corrected



Left: 10.055 $\pm$ 15.491 χ^2/NDF : 33.2/25

Right: -58.983 $\pm$ 18.010 χ^2/NDF : 36.0/35

In: -29.774 $\pm$ 16.901 χ^2/NDF : 39.9/28

Out: -9.522 $\pm$ 16.331 χ^2/NDF : 37.1/32

All: -19.301 $\pm$ 11.744 χ^2/NDF : 77.7/61

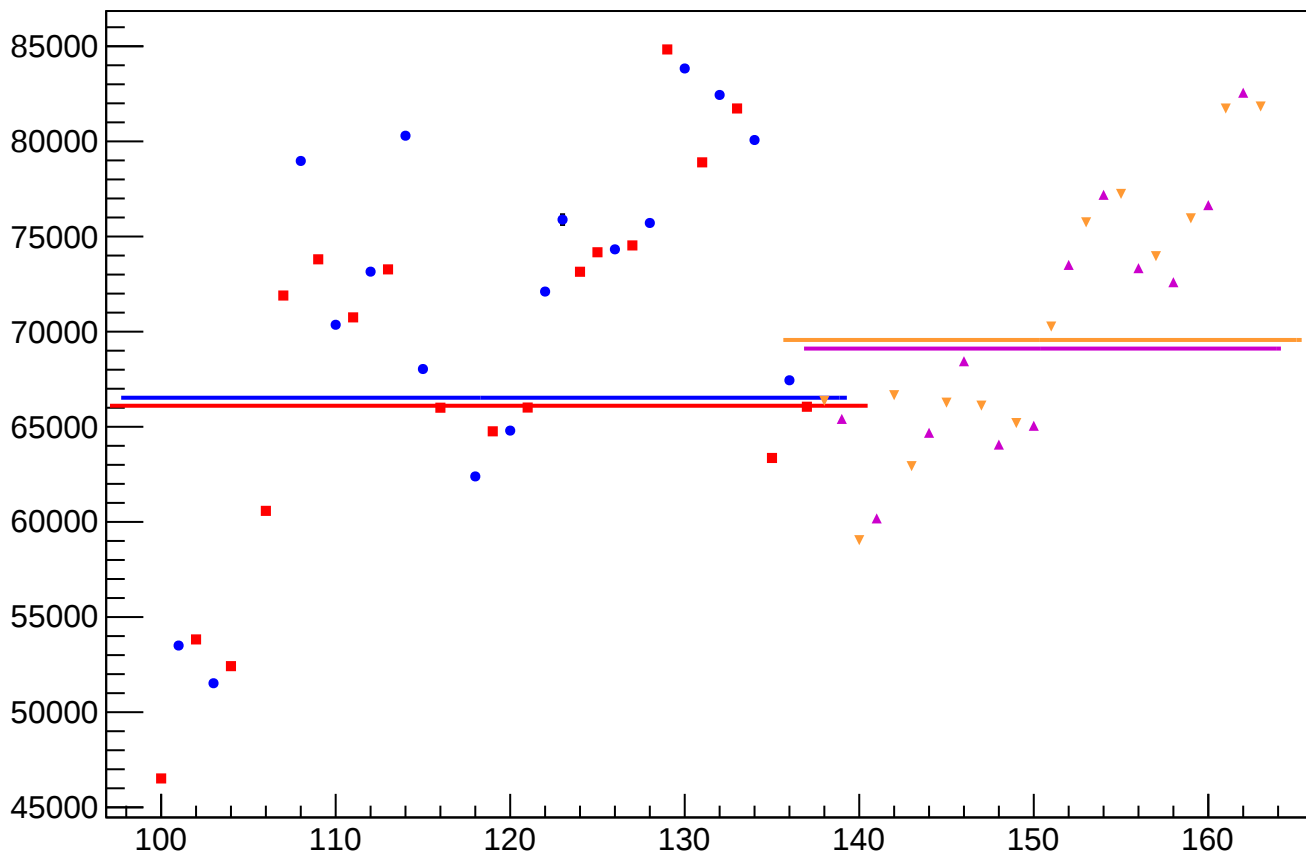
Right In: -68.688 $\pm$ 25.946 χ^2/NDF : 21.8/16

Left Out: 20.496 $\pm$ 21.557 χ^2/NDF : 18.5/13

Right Out: -49.958 $\pm$ 25.020 χ^2/NDF : 14.0/18

Left In: -1.092 $\pm$ 22.275 χ^2/NDF : 14.2/11

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66527.251+/-18.347 χ^2/NDF : 320887.2/16

Left Out: 69563.594+/-15.243 χ^2/NDF : 197897.8/13

Right Out: 66105.849+/-17.692 χ^2/NDF : 298485.4/18

Left In: 69110.491+/-15.751 χ^2/NDF : 155784.5/11

Left: 69344.460+/-10.954 χ^2/NDF : 354109.6/25

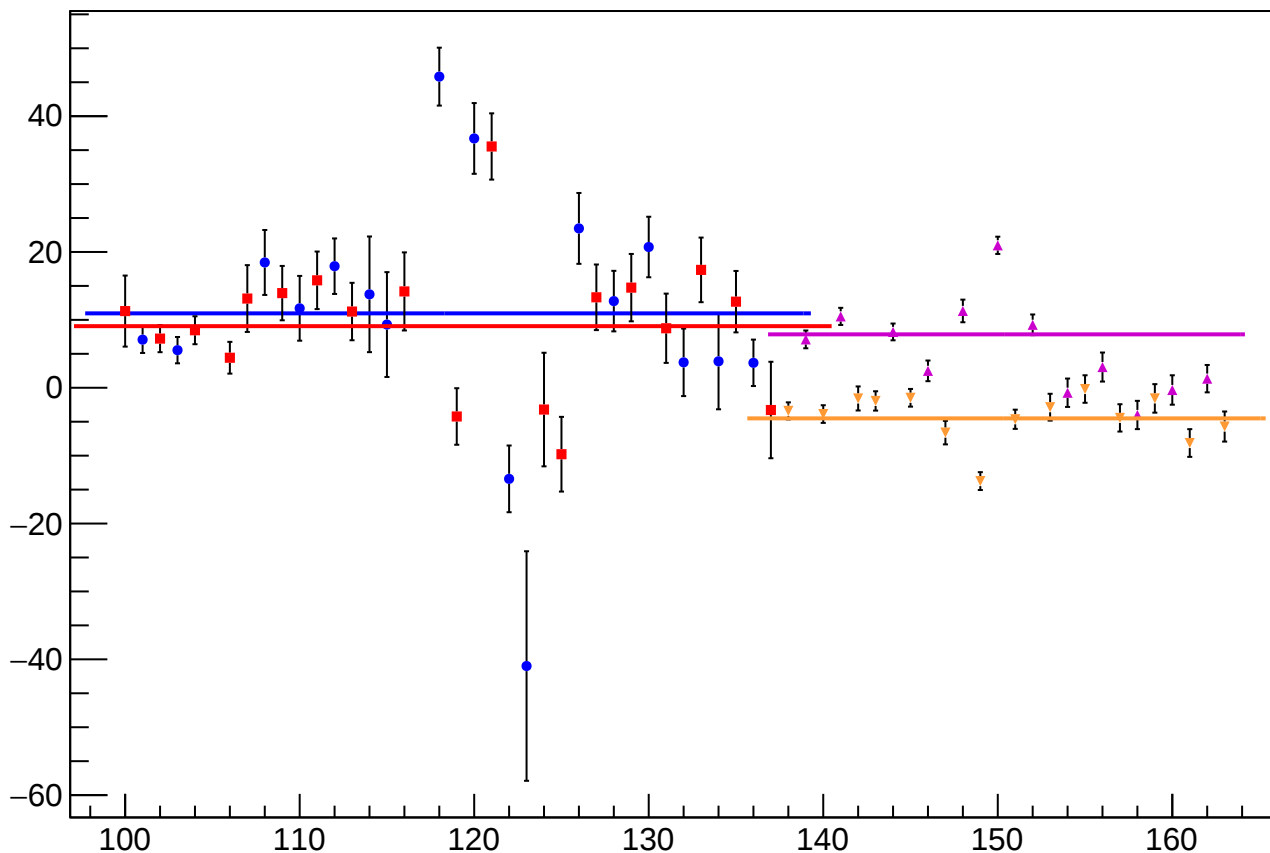
Right: 66308.894+/-12.735 χ^2/NDF : 619646.0/35

In: 68014.393+/-11.951 χ^2/NDF : 488085.0/28

Out: 68090.346+/-11.548 χ^2/NDF : 518306.8/32

All: 68053.671+/-8.304 χ^2/NDF : 1006412.7/66

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.958 ± 0.943 χ^2/NDF : 160.9/16

Left Out: -4.509 ± 0.428 χ^2/NDF : 73.9/13

Right Out: 9.072 ± 0.866 χ^2/NDF : 73.1/18

Left In: 7.867 ± 0.454 χ^2/NDF : 208.2/11

Left: 1.314 ± 0.312 χ^2/NDF : 675.1/25

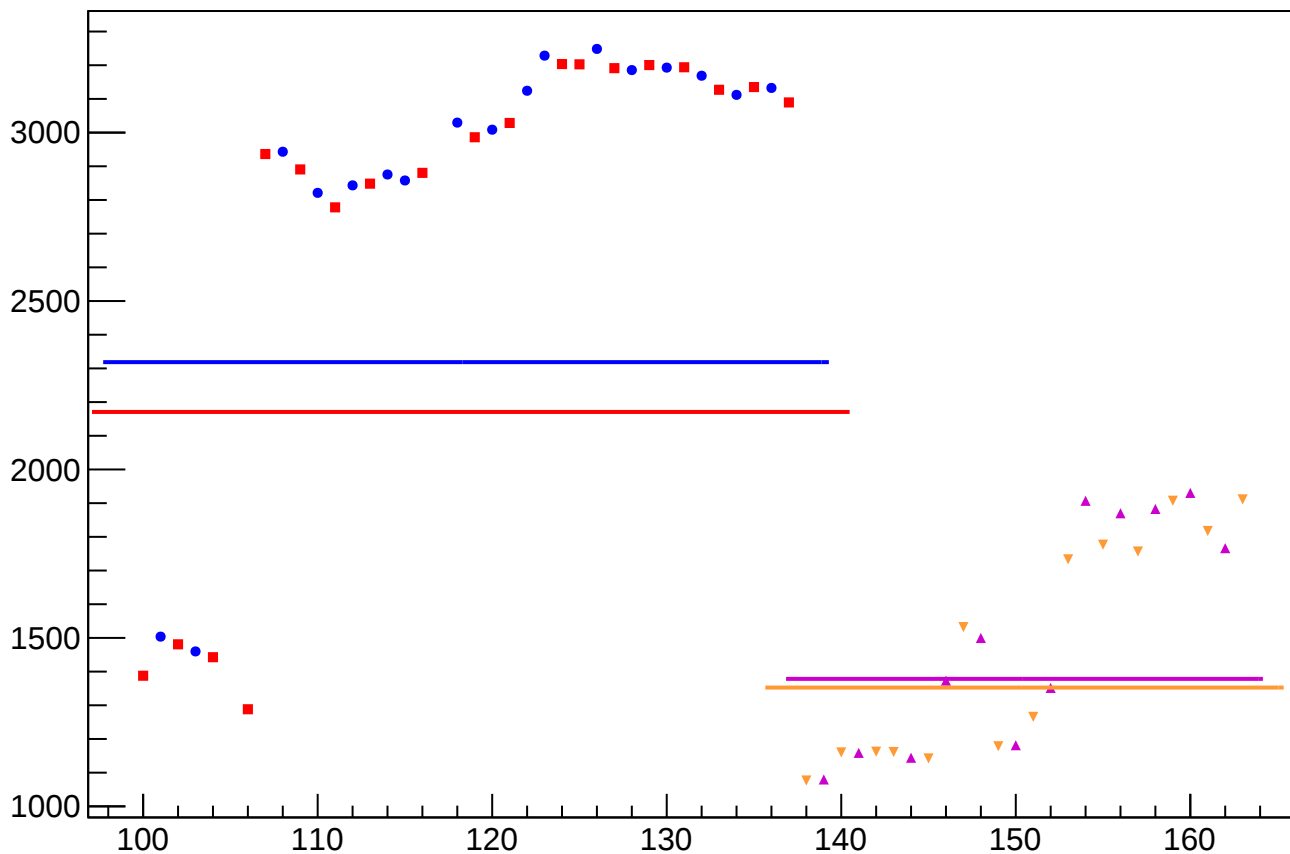
Right: 9.935 ± 0.638 χ^2/NDF : 236.2/35

In: 8.448 ± 0.409 χ^2/NDF : 377.8/28

Out: -1.843 ± 0.384 χ^2/NDF : 344.5/32

All: 2.974 ± 0.280 χ^2/NDF : 1058.8/61

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2318.624 $\pm$ 0.667 χ^2 /NDF: 1408300.4/16

Left Out: 1352.598 $\pm$ 0.303 χ^2 /NDF: 928505.7/13

Right Out: 2170.786 $\pm$ 0.613 χ^2 /NDF: 1753687.8/18

Left In: 1378.423 $\pm$ 0.321 χ^2 /NDF: 850462.0/11

Left: 1364.749 $\pm$ 0.220 χ^2 /NDF: 1782391.0/25

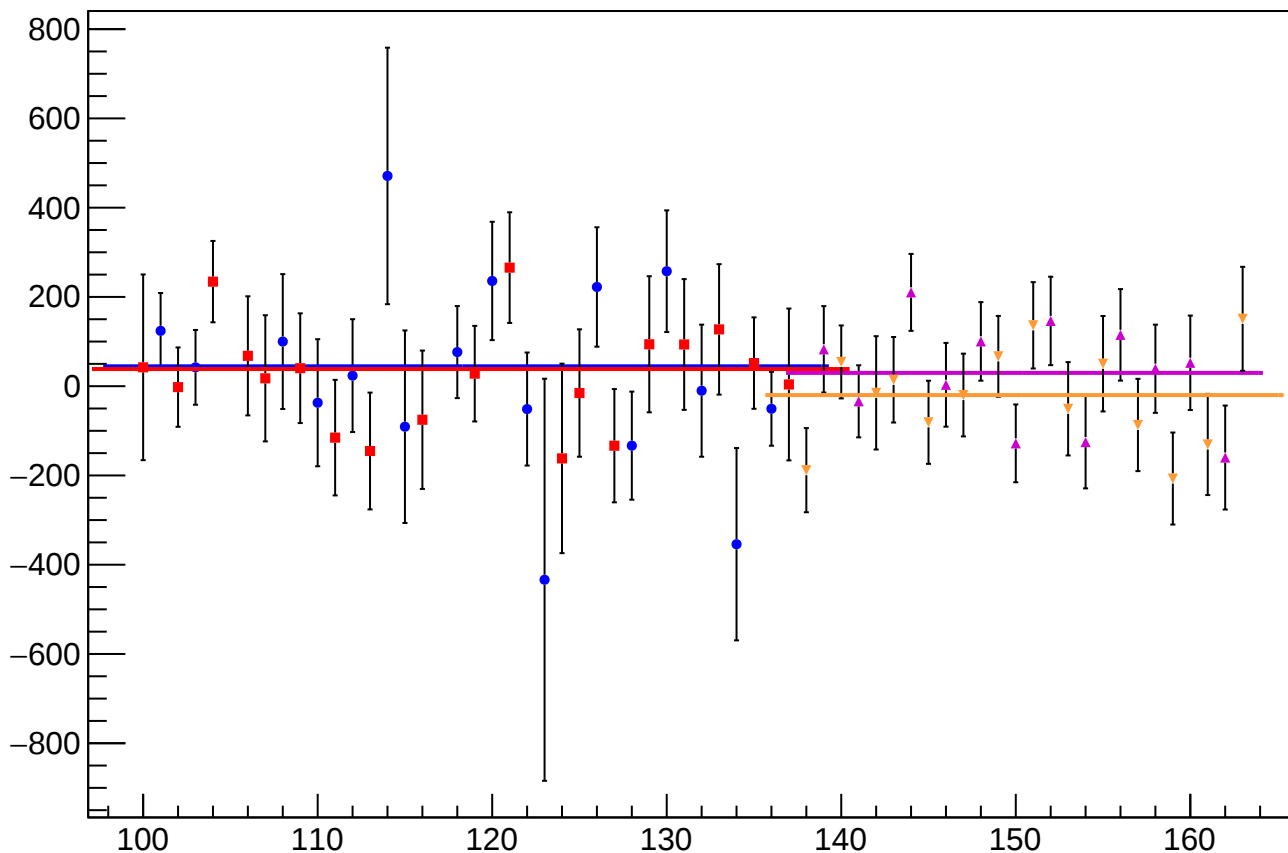
Right: 2238.439 $\pm$ 0.451 χ^2 /NDF: 3188639.4/35

In: 1555.421 $\pm$ 0.289 χ^2 /NDF: 3872003.1/28

Out: 1513.209 $\pm$ 0.271 χ^2 /NDF: 4115868.8/32

All: 1532.965 $\pm$ 0.198 χ^2 /NDF: 7999192.1/63

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 44.484 $\pm$ 30.432 χ^2 /NDF: 19.1/16

Left Out: -19.927 $\pm$ 26.613 χ^2 /NDF:15.4/13

Right Out: 38.425 $\pm$ 29.435 χ^2 /NDF: 15.7/18

Left In: 29.791 $\pm$ 27.479 χ^2 /NDF:16.3/11

Left: 4.136 $\pm$ 19.117 χ^2 /NDF: 33.4/25

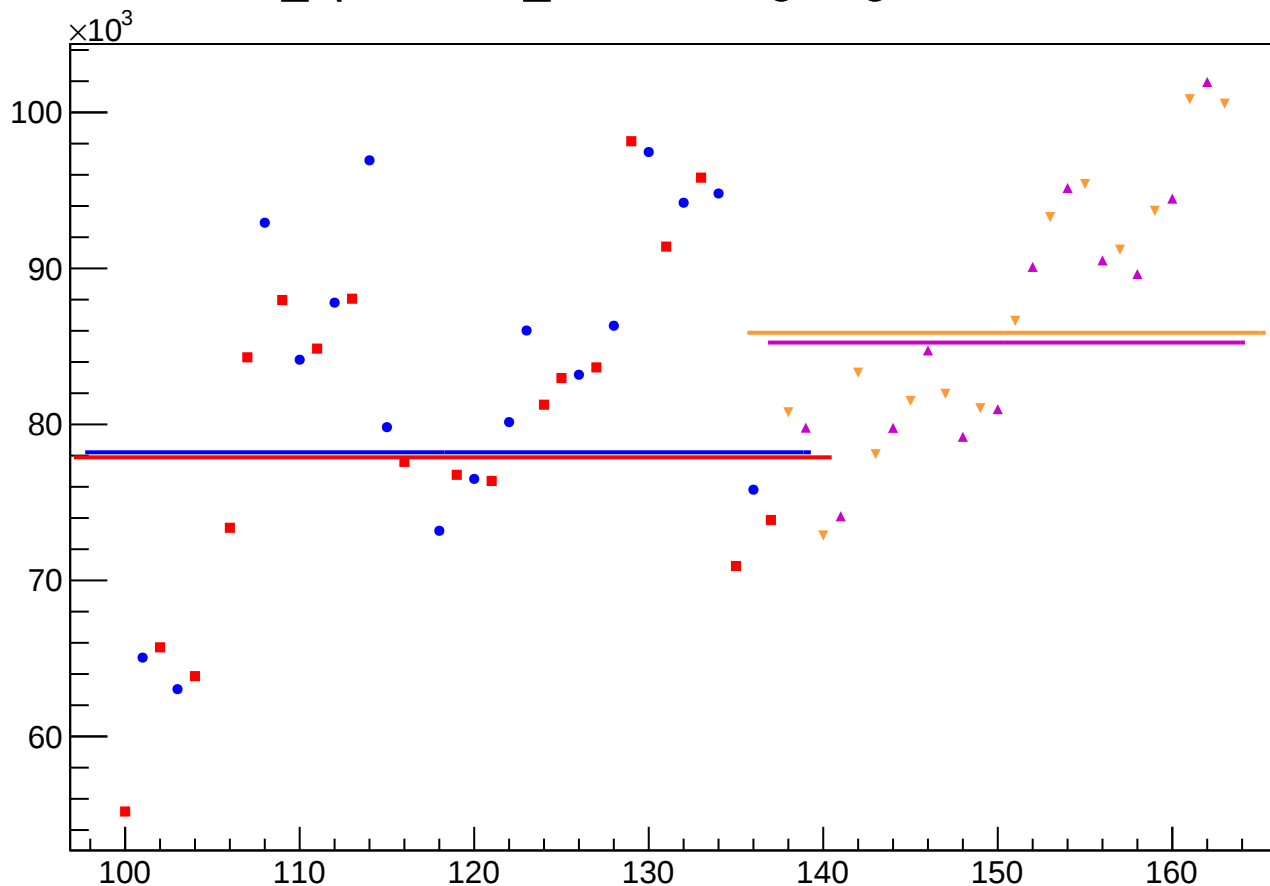
Right: 41.353 $\pm$ 21.157 χ^2 /NDF: 34.9/35

In: 36.390 $\pm$ 20.395 χ^2 /NDF:35.5/28

Out: 6.318 $\pm$ 19.741 χ^2 /NDF:33.3/32

All: 20.864 $\pm$ 14.184 χ^2 /NDF: 70.0/61

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 78213.025 ± 21.519 $\chi^2/\text{NDF}: 251056.7/16$

Left Out: 85876.140 ± 18.818 $\chi^2/\text{NDF}: 193622.4/13$

Right Out: 77891.938 ± 20.814 $\chi^2/\text{NDF}: 246970.2/18$

Left In: 85247.336 ± 19.431 $\chi^2/\text{NDF}: 155284.9/11$

Left: 85571.802 ± 13.518 $\chi^2/\text{NDF}: 349447.7/25$

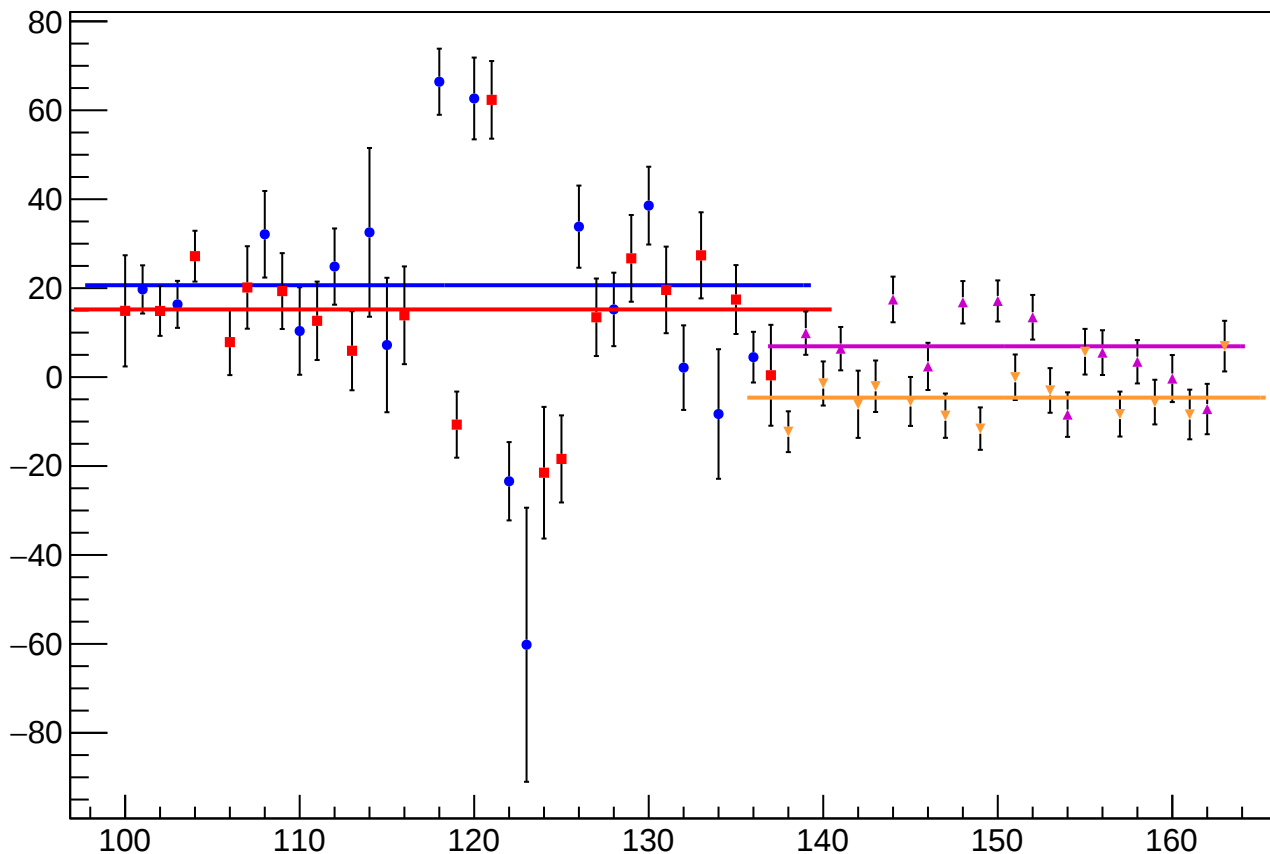
Right: 78047.137 ± 14.960 $\chi^2/\text{NDF}: 498141.9/35$

In: 82087.901 ± 14.421 $\chi^2/\text{NDF}: 465206.3/28$

Out: 82284.998 ± 13.959 $\chi^2/\text{NDF}: 521558.2/32$

All: 82189.661 ± 10.030 $\chi^2/\text{NDF}: 986860.9/60$

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.657 $\pm$ 2.036 χ^2/NDF : 117.7/16

Left Out: -4.618 $\pm$ 1.400 χ^2/NDF : 16.4/13

Right Out: 15.216 $\pm$ 1.955 χ^2/NDF : 71.3/18

Left In: 6.925 $\pm$ 1.449 χ^2/NDF : 34.3/11

Left: 0.955 $\pm$ 1.007 χ^2/NDF : 83.5/25

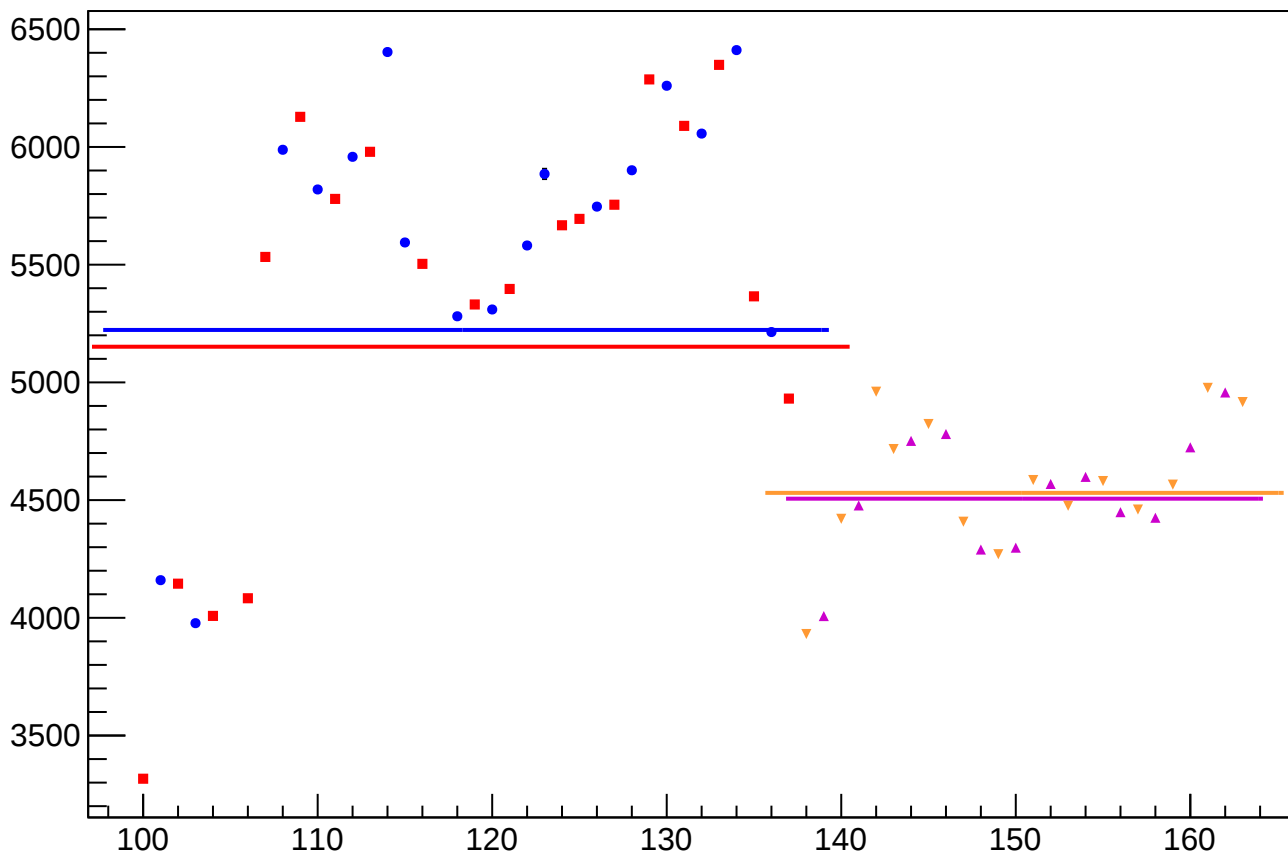
Right: 17.826 $\pm$ 1.410 χ^2/NDF : 192.8/35

In: 11.542 $\pm$ 1.181 χ^2/NDF : 182.2/28

Out: 2.107 $\pm$ 1.138 χ^2/NDF : 155.7/32

All: 6.652 $\pm$ 0.819 χ^2/NDF : 371.0/61

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 5222.767 $\pm$ 1.440 χ^2 /NDF: 312497.9/16

Left Out: 4530.728 $\pm$ 0.990 χ^2 /NDF: 79572.2/13

Right Out: 5151.532 $\pm$ 1.382 χ^2 /NDF: 387685.6/18

Left In: 4506.016 $\pm$ 1.025 χ^2 /NDF: 57007.0/11

Left: 4518.797 $\pm$ 0.712 χ^2 /NDF: 136880.0/25

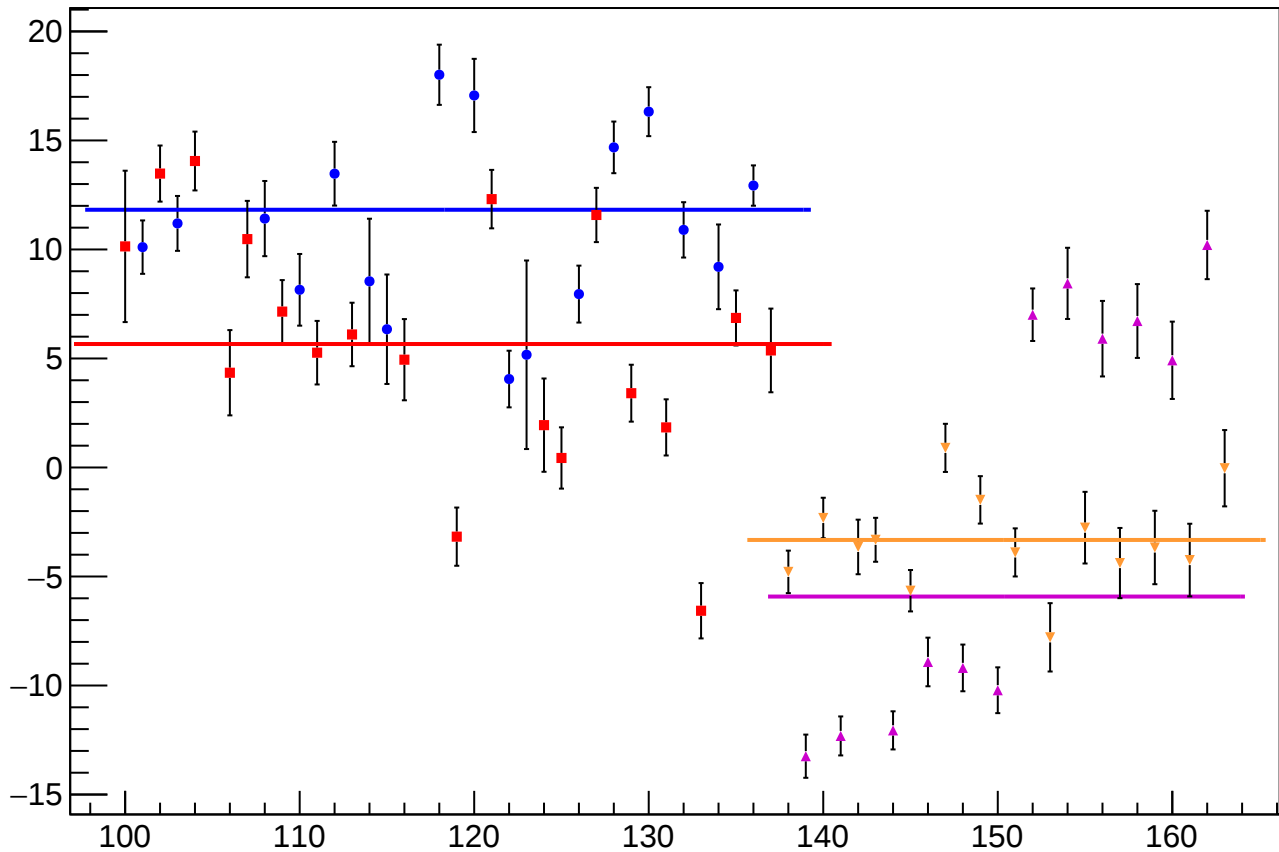
Right: 5185.701 $\pm$ 0.997 χ^2 /NDF: 701457.6/35

In: 4747.026 $\pm$ 0.835 χ^2 /NDF: 534042.5/28

Out: 4741.209 $\pm$ 0.805 χ^2 /NDF: 600593.3/32

All: 4744.011 $\pm$ 0.579 χ^2 /NDF: 1134660.9/63

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 11.821 ± 0.344 $\chi^2/\text{NDF}: 117.0/16$

Left Out: -3.324 ± 0.322 $\chi^2/\text{NDF}: 39.8/13$

Right Out: 5.663 ± 0.338 $\chi^2/\text{NDF}: 300.1/18$

Left In: -5.920 ± 0.340 $\chi^2/\text{NDF}: 626.2/11$

Left: -4.550 ± 0.234 $\chi^2/\text{NDF}: 696.7/25$

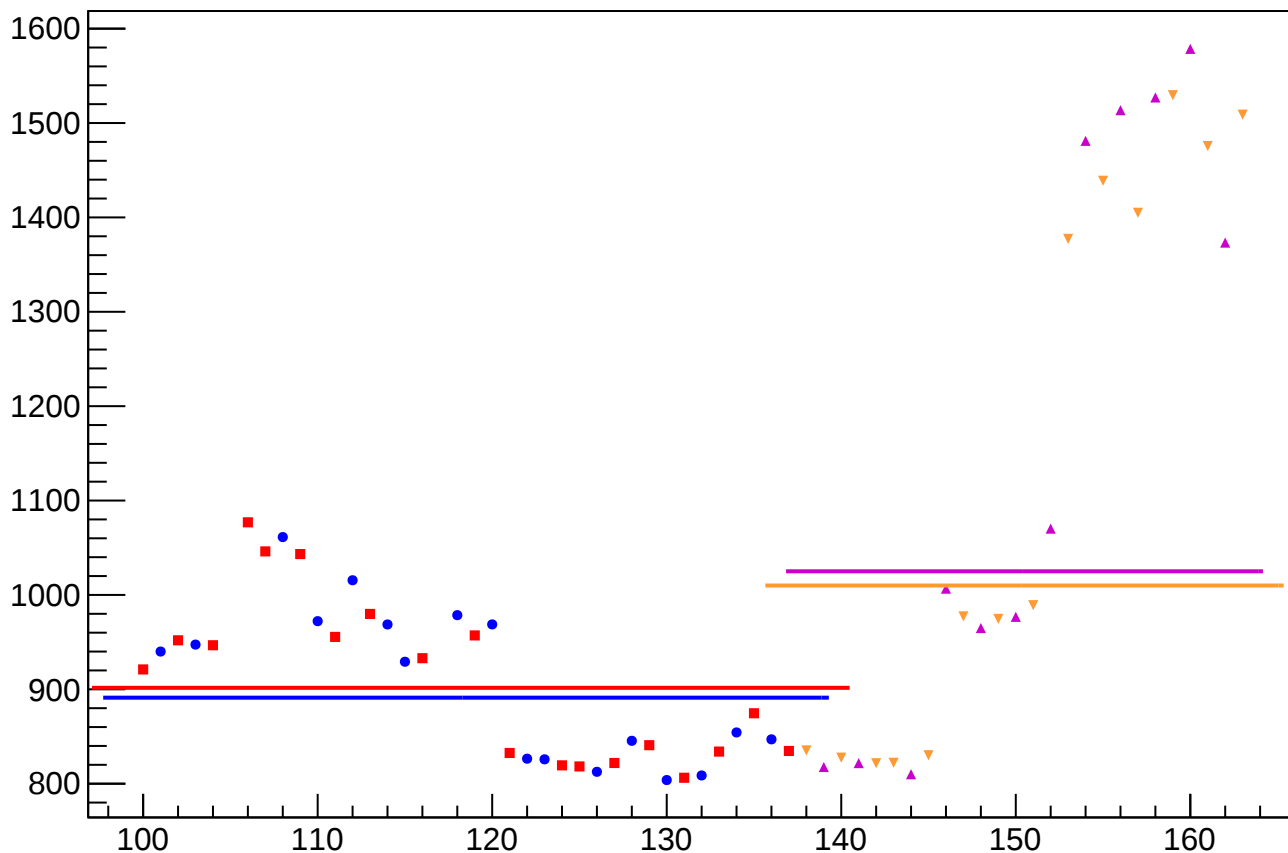
Right: 8.688 ± 0.241 $\chi^2/\text{NDF}: 579.7/35$

In: 2.845 ± 0.242 $\chi^2/\text{NDF}: 2085.1/28$

Out: 0.947 ± 0.233 $\chi^2/\text{NDF}: 709.9/32$

All: 1.861 ± 0.168 $\chi^2/\text{NDF}: 2826.8/61$

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 891.149 $\pm$ 0.244 χ^2 /NDF: 101659.1/16

Left Out: 1009.989 $\pm$ 0.228 χ^2 /NDF:1208108.3/13

Right Out: 901.588 $\pm$ 0.239 χ^2 /NDF: 114590.8/18

Left In: 1025.056 $\pm$ 0.241 χ^2 /NDF:1110209.0/11

Left: 1017.107 $\pm$ 0.165 χ^2 /NDF: 2320384.7/25

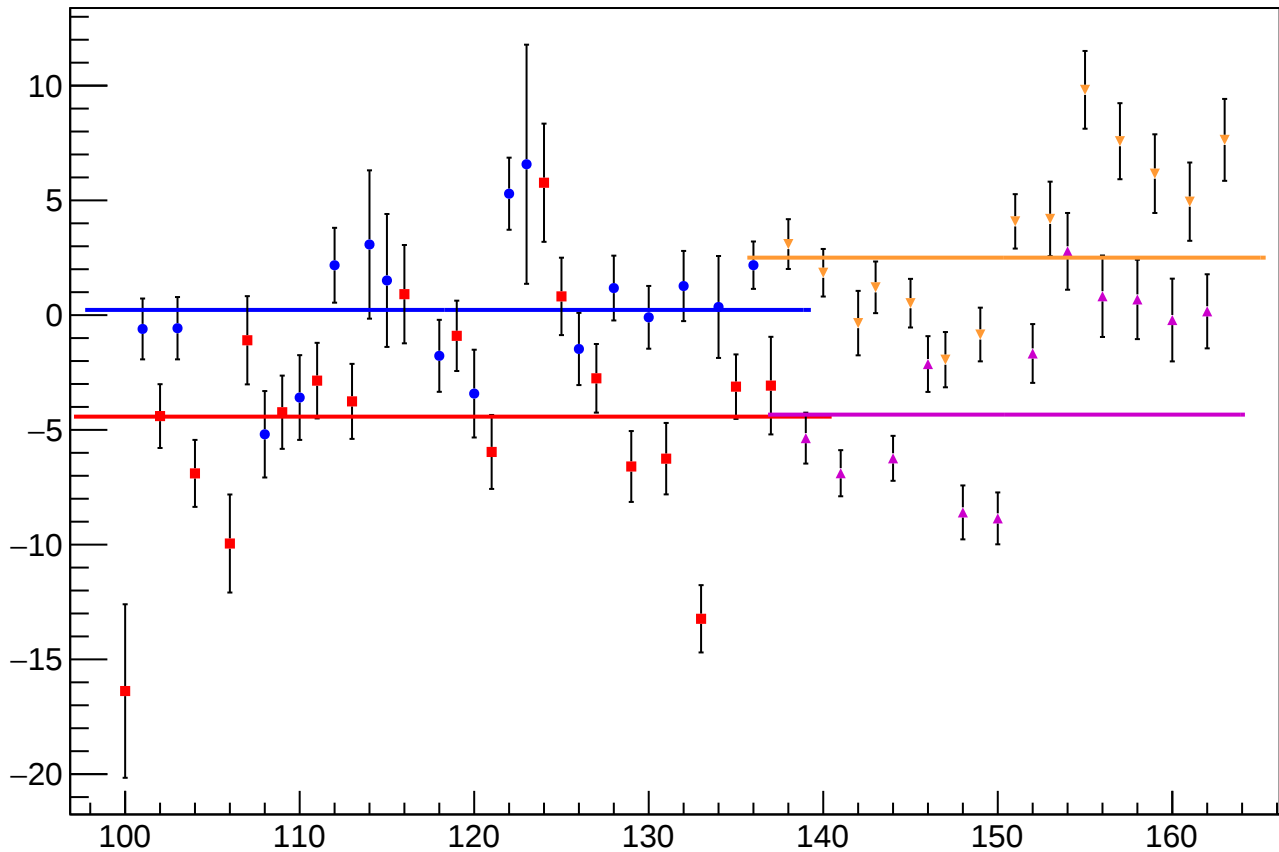
Right: 896.461 $\pm$ 0.171 χ^2 /NDF: 217184.3/35

In: 958.904 $\pm$ 0.171 χ^2 /NDF:1364766.2/28

Out: 958.467 $\pm$ 0.165 χ^2 /NDF:1430342.3/32

All: 958.677 $\pm$ 0.119 χ^2 /NDF: 2795111.9/61

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.227 ± 0.395 $\chi^2/\text{NDF}: 38.5/16$

Left Out: 2.505 ± 0.349 $\chi^2/\text{NDF}: 77.2/13$

Right Out: -4.423 ± 0.387 $\chi^2/\text{NDF}: 103.3/18$

Left In: -4.335 ± 0.369 $\chi^2/\text{NDF}: 95.8/11$

Left: -0.728 ± 0.254 $\chi^2/\text{NDF}: 354.1/25$

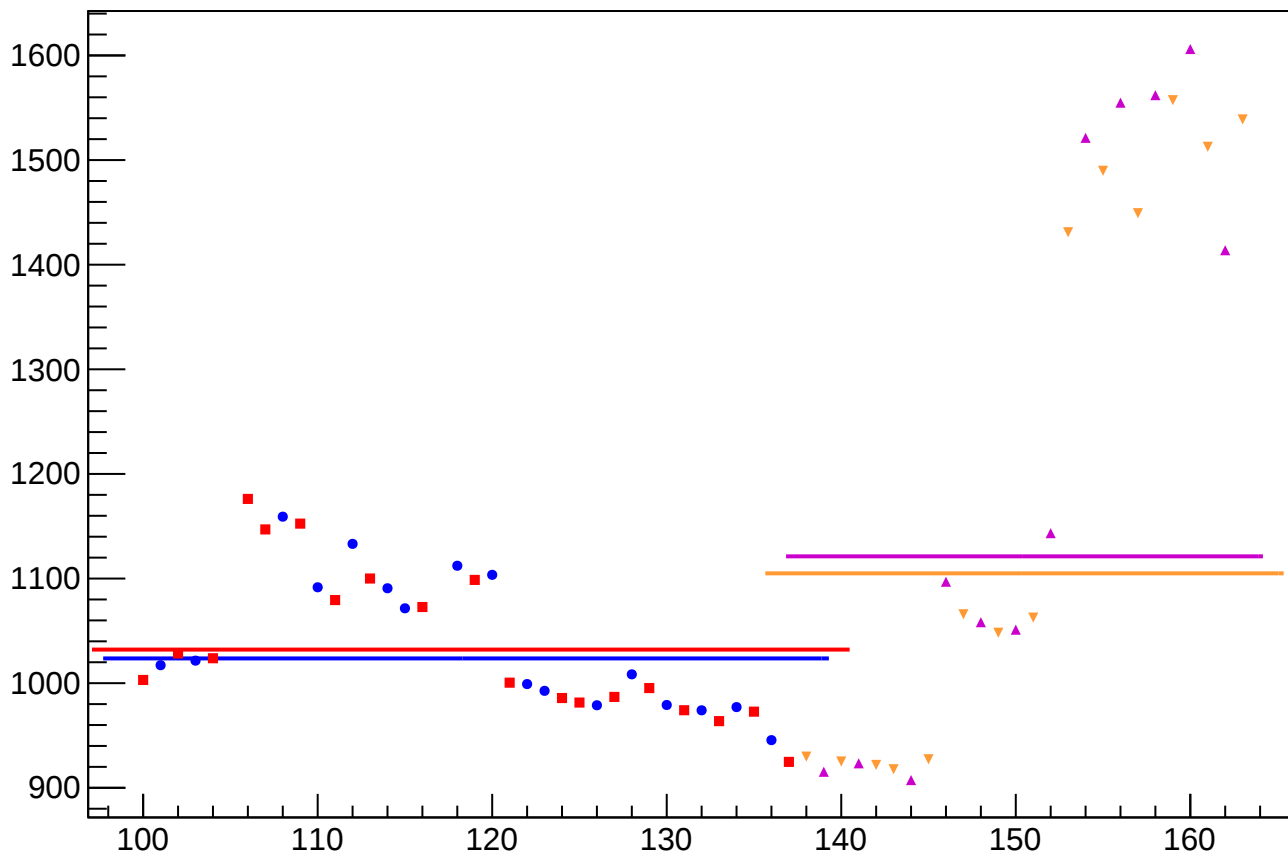
Right: -2.147 ± 0.276 $\chi^2/\text{NDF}: 212.6/35$

In: -2.208 ± 0.270 $\chi^2/\text{NDF}: 205.6/28$

Out: -0.609 ± 0.259 $\chi^2/\text{NDF}: 357.2/32$

All: -1.377 ± 0.187 $\chi^2/\text{NDF}: 581.1/61$

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 1023.655 $\pm$ 0.279 χ^2 /NDF: 52373.8/16

Left Out: 1104.982 $\pm$ 0.247 χ^2 /NDF: 909349.0/13

Right Out: 1032.107 $\pm$ 0.273 χ^2 /NDF: 59391.6/18

Left In: 1121.230 $\pm$ 0.261 χ^2 /NDF: 830776.8/11

Left: 1112.661 $\pm$ 0.179 χ^2 /NDF: 1742169.9/25

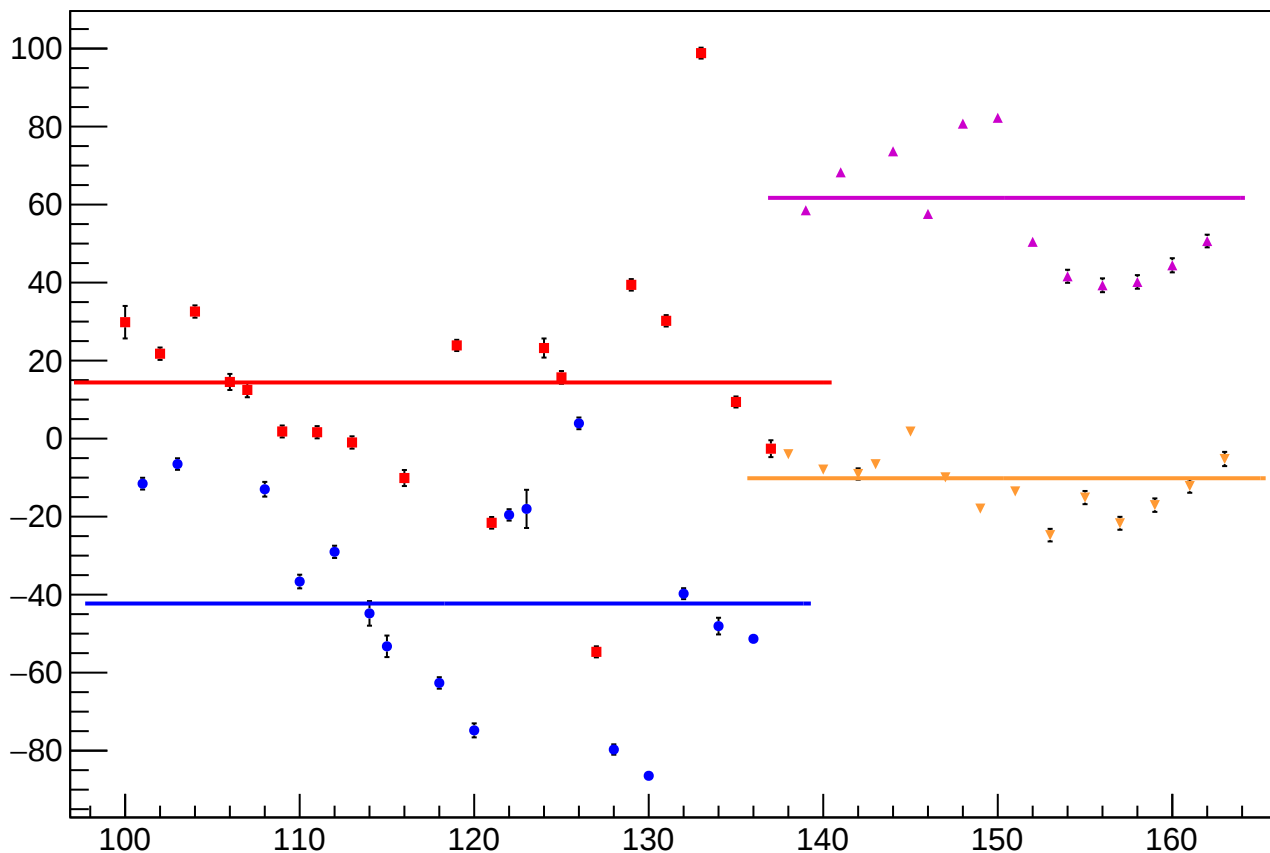
Right: 1027.970 $\pm$ 0.195 χ^2 /NDF: 112233.0/35

In: 1075.744 $\pm$ 0.191 χ^2 /NDF: 948307.0/28

Out: 1072.227 $\pm$ 0.183 χ^2 /NDF: 1007841.1/32

All: 1073.916 $\pm$ 0.132 χ^2 /NDF: 1956324.9/63

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -42.278 ± 0.387 $\chi^2/\text{NDF}: 5126.8/16$

Left Out: -10.161 ± 0.357 $\chi^2/\text{NDF}: 375.1/13$

Right Out: 14.393 ± 0.378 $\chi^2/\text{NDF}: 7669.8/18$

Left In: 61.721 ± 0.380 $\chi^2/\text{NDF}: 1373.4/11$

Left: 23.599 ± 0.260 $\chi^2/\text{NDF}: 20736.7/25$

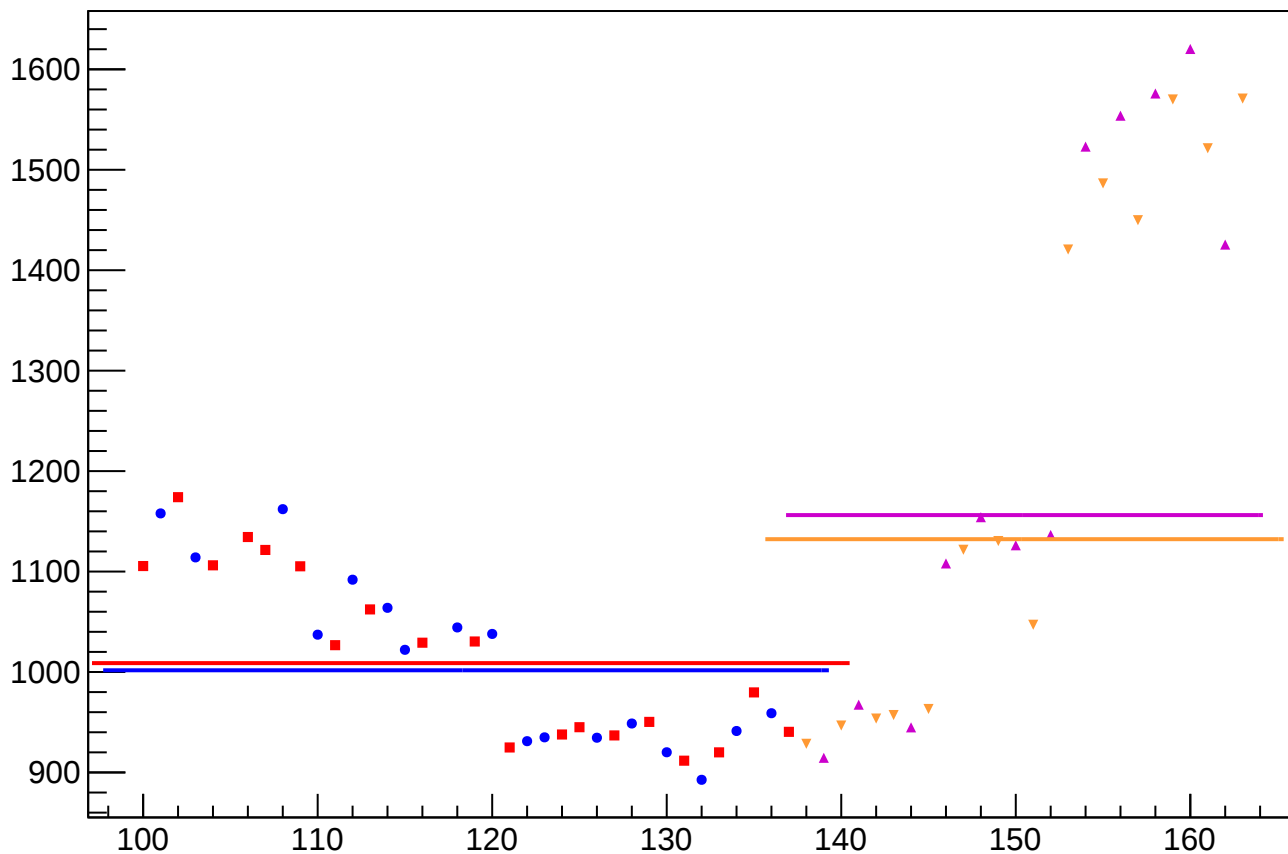
Right: -13.301 ± 0.271 $\chi^2/\text{NDF}: 23754.3/35$

In: 10.703 ± 0.271 $\chi^2/\text{NDF}: 43266.6/28$

Out: 1.417 ± 0.260 $\chi^2/\text{NDF}: 10269.2/32$

All: 5.863 ± 0.188 $\chi^2/\text{NDF}: 54147.0/61$

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 1001.706+/-0.274 χ^2/NDF : 95480.0/16

Left Out: 1132.235+/-0.253 χ^2/NDF : 836486.9/13

Right Out: 1008.848+/-0.268 χ^2/NDF : 95349.9/18

Left In: 1156.218+/-0.269 χ^2/NDF : 746501.7/11

Left: 1143.499+/-0.184 χ^2/NDF : 1587215.8/25

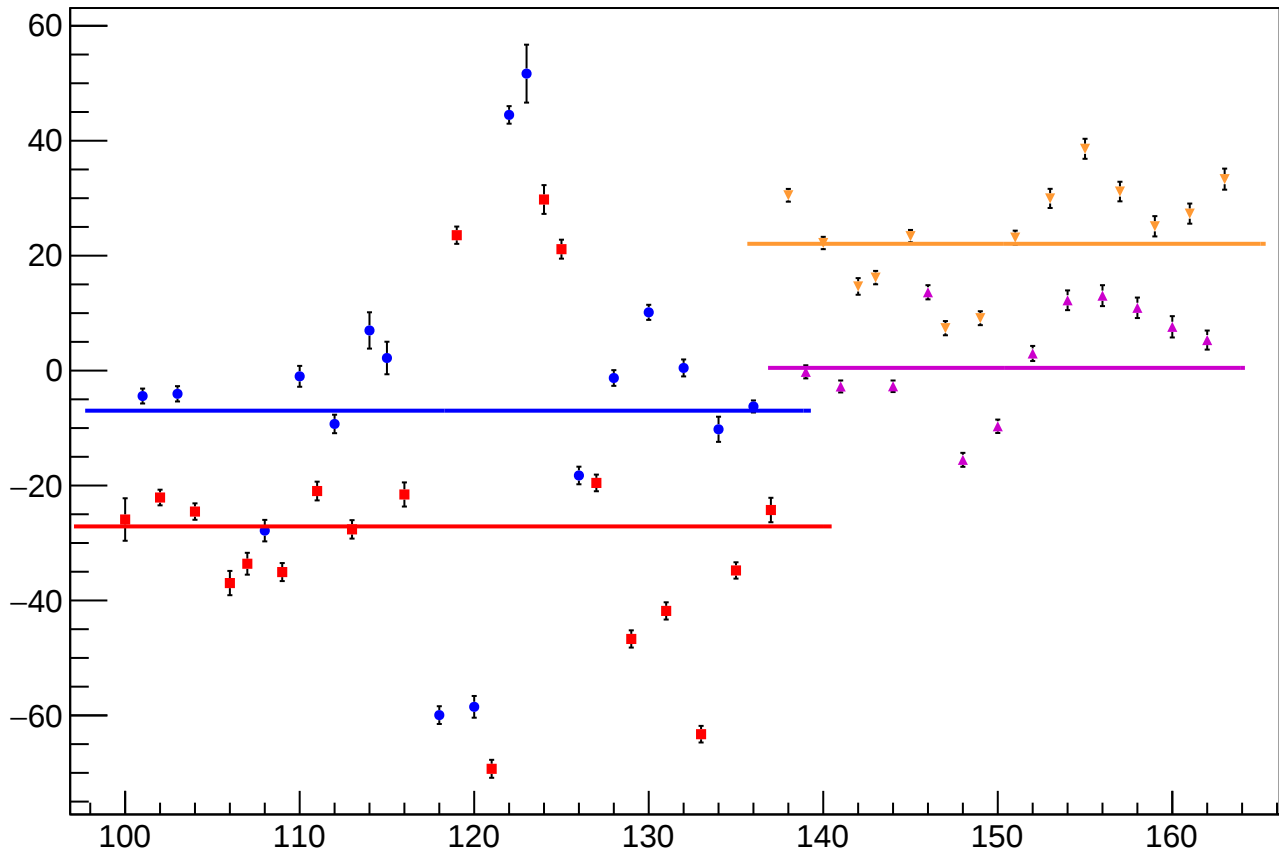
Right: 1005.358+/-0.191 χ^2/NDF : 191177.9/35

In: 1080.420+/-0.192 χ^2/NDF : 1004289.1/28

Out: 1074.054+/-0.184 χ^2/NDF : 1044180.7/32

All: 1077.102+/-0.133 χ^2/NDF : 2049044.3/63

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.974 ± 0.388 χ^2/NDF : 3636.9/16

Left Out: 22.064 ± 0.359 χ^2/NDF : 557.6/13

Right Out: -27.116 ± 0.380 χ^2/NDF : 4283.5/18

Left In: 0.474 ± 0.380 χ^2/NDF : 538.5/11

Left: 11.868 ± 0.261 χ^2/NDF : 2799.6/25

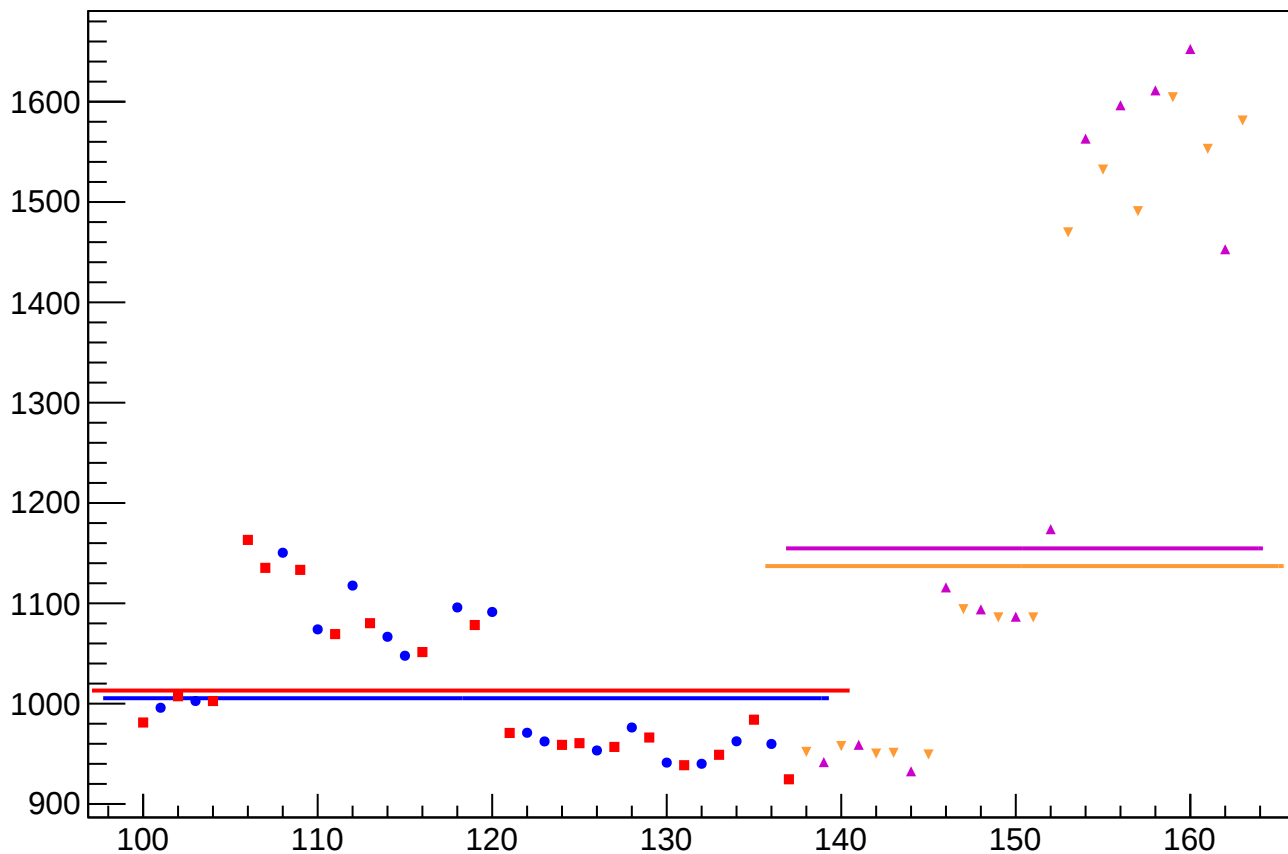
Right: -17.264 ± 0.271 χ^2/NDF : 9297.5/35

In: -3.173 ± 0.271 χ^2/NDF : 4363.5/28

Out: -1.190 ± 0.261 χ^2/NDF : 13690.1/32

All: -2.142 ± 0.188 χ^2/NDF : 18081.3/61

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 1005.409 +/- 0.274 χ^2/NDF : 54586.0/16

Left Out: 1137.121 +/- 0.254 χ^2/NDF : 904410.4/13

Right Out: 1013.064 +/- 0.268 χ^2/NDF : 63265.7/18

Left In: 1154.762 +/- 0.269 χ^2/NDF : 822043.3/11

Left: 1145.453 +/- 0.185 χ^2/NDF : 1728728.1/25

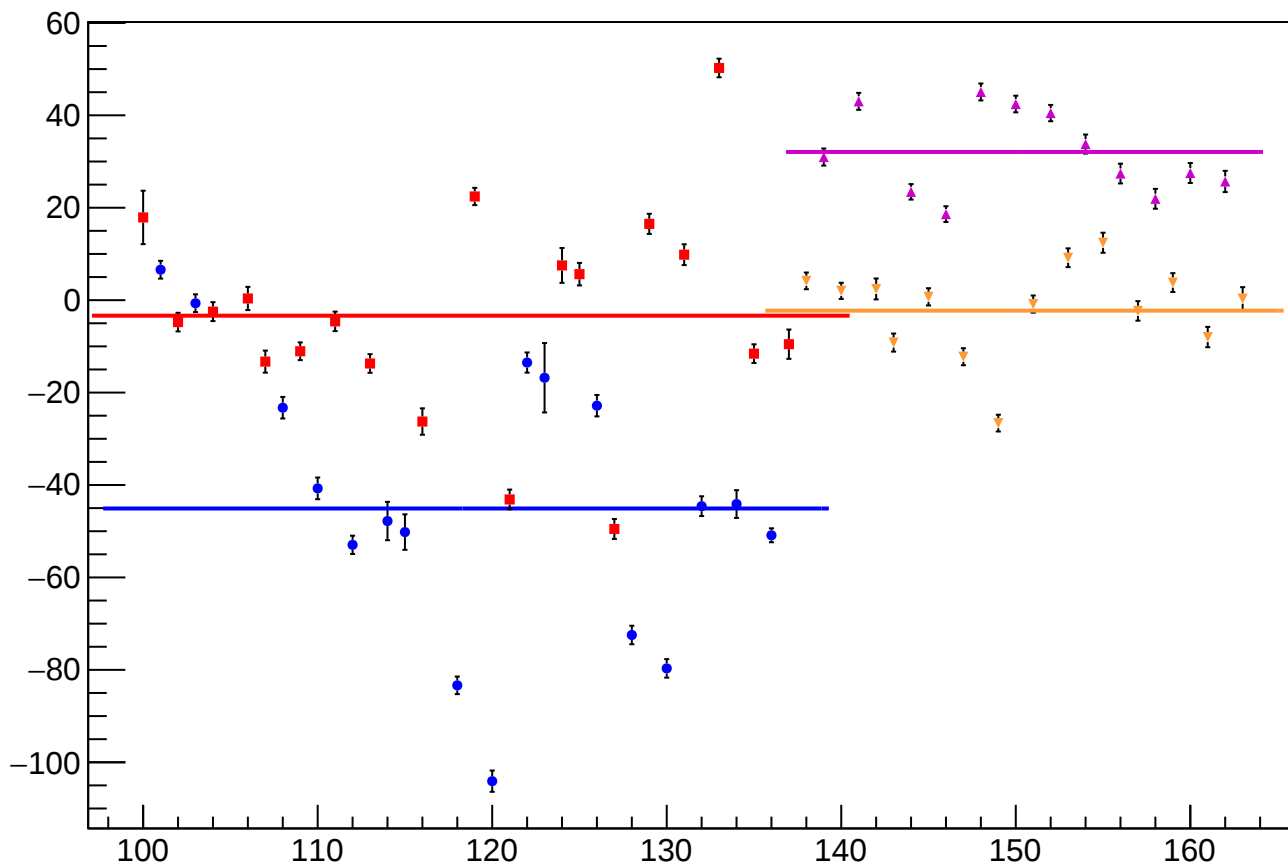
Right: 1009.320 +/- 0.192 χ^2/NDF : 118249.5/35

In: 1081.631 +/- 0.192 χ^2/NDF : 1027901.4/28

Out: 1078.463 +/- 0.185 χ^2/NDF : 1080289.8/32

All: 1079.985 +/- 0.133 χ^2/NDF : 2108332.8/63

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -45.081 ± 0.540 χ^2/NDF : 3238.1/16

Left Out: -2.269 ± 0.531 χ^2/NDF : 341.8/13

Right Out: -3.358 ± 0.522 χ^2/NDF : 2005.7/18

Left In: 32.069 ± 0.551 χ^2/NDF : 270.7/11

Left: 14.251 ± 0.382 χ^2/NDF : 2626.1/25

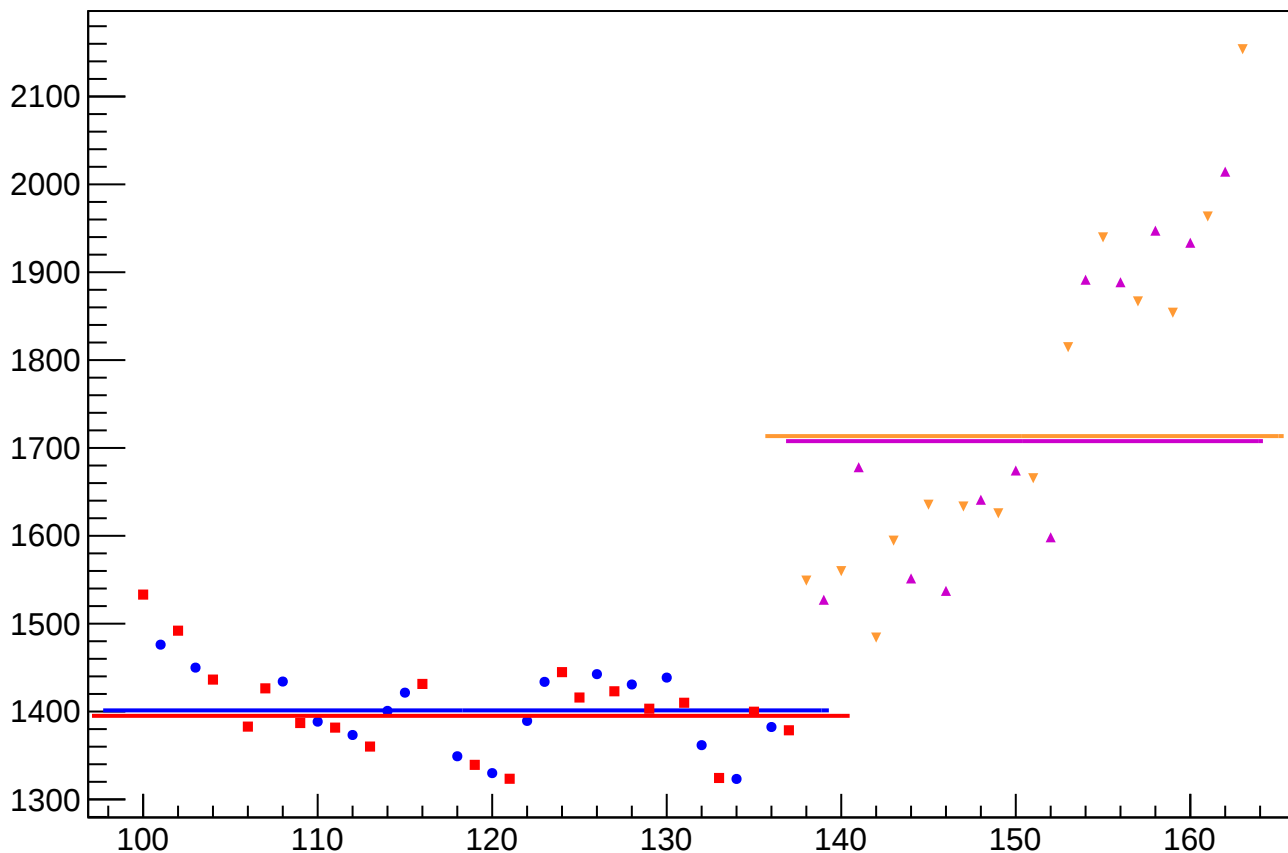
Right: -23.517 ± 0.375 χ^2/NDF : 8332.8/35

In: -7.323 ± 0.386 χ^2/NDF : 13510.1/28

Out: -2.823 ± 0.372 χ^2/NDF : 2349.7/32

All: -4.992 ± 0.268 χ^2/NDF : 15930.3/61

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1401.307+/-0.382 χ^2/NDF : 12852.1/16

Left Out: 1713.492+/-0.375 χ^2/NDF : 208166.3/13

Right Out: 1395.105+/-0.369 χ^2/NDF : 15520.0/18

Left In: 1707.763+/-0.390 χ^2/NDF : 180412.3/11

Left: 1710.735+/-0.270 χ^2/NDF : 388690.7/25

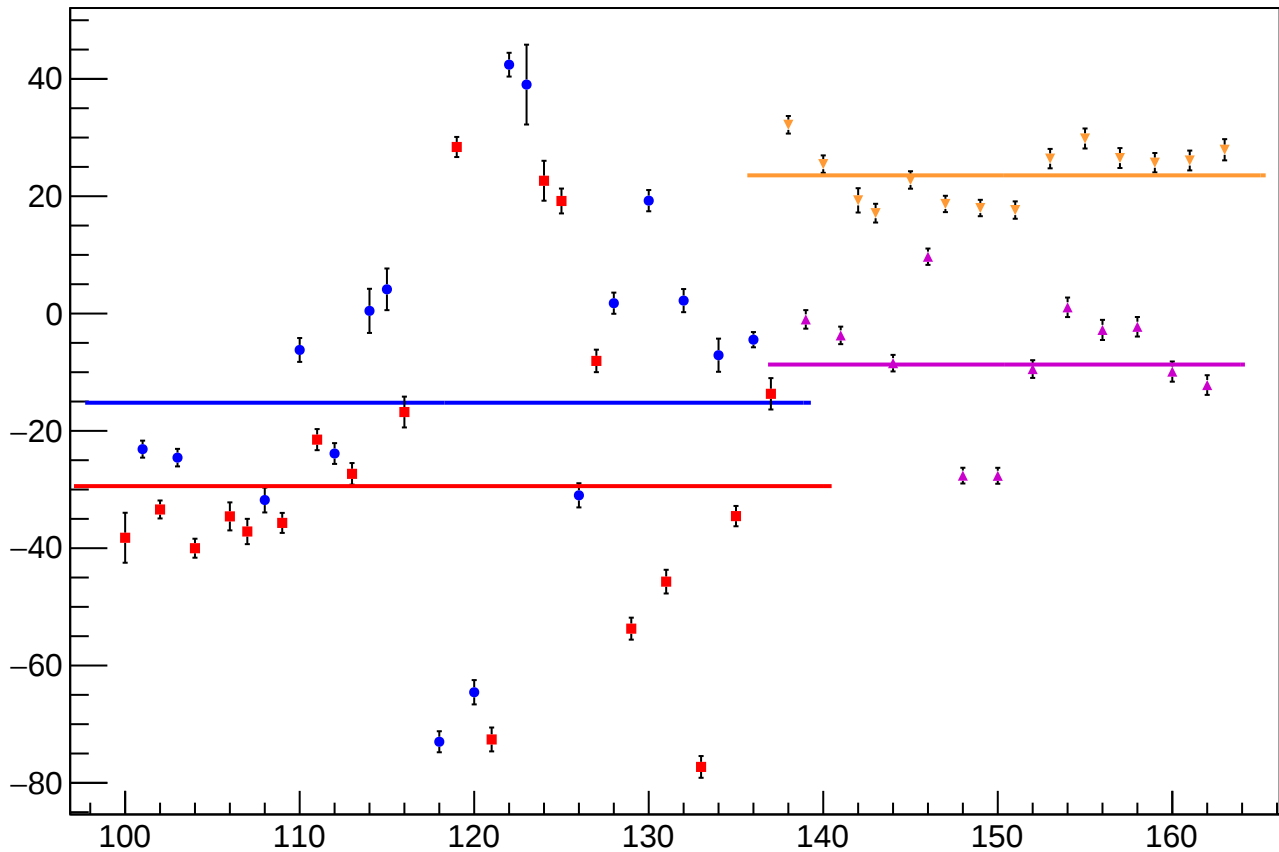
Right: 1398.102+/-0.265 χ^2/NDF : 28508.5/35

In: 1551.290+/-0.273 χ^2/NDF : 508868.9/28

Out: 1551.582+/-0.263 χ^2/NDF : 589621.8/32

All: 1551.441+/-0.189 χ^2/NDF : 1098491.3/63

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.202 ± 0.472 χ^2/NDF : 3362.5/16

Left Out: 23.557 ± 0.425 χ^2/NDF : 129.0/13

Right Out: -29.418 ± 0.456 χ^2/NDF : 3544.8/18

Left In: -8.692 ± 0.440 χ^2/NDF : 668.9/11

Left: 8.008 ± 0.306 χ^2/NDF : 3574.7/25

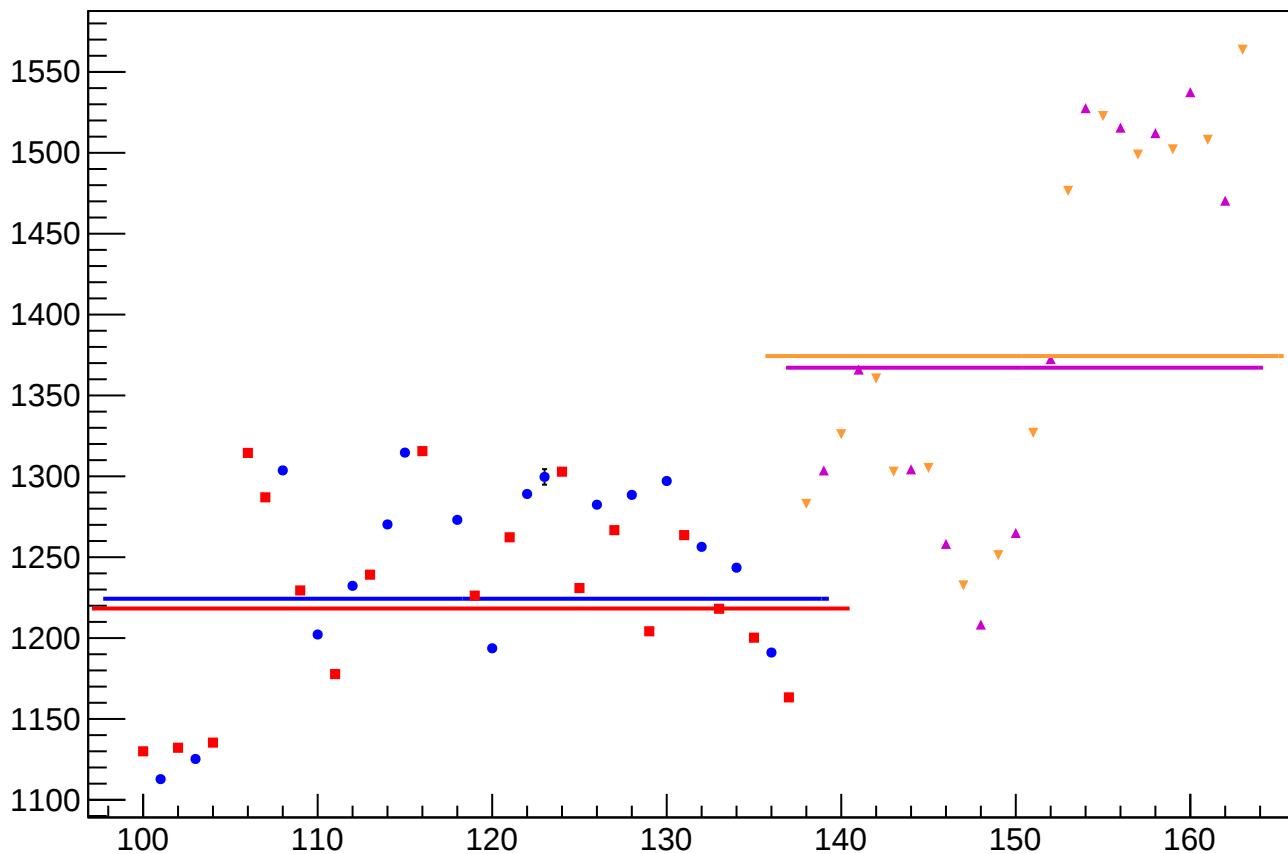
Right: -22.553 ± 0.328 χ^2/NDF : 7376.3/35

In: -11.721 ± 0.322 χ^2/NDF : 4133.1/28

Out: -1.055 ± 0.311 χ^2/NDF : 10893.6/32

All: -6.201 ± 0.224 χ^2/NDF : 15594.3/61

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1224.320+/-0.334 χ^2/NDF : 38778.2/16

Left Out: 1374.358+/-0.300 χ^2/NDF : 136210.1/13

Right Out: 1218.276+/-0.323 χ^2/NDF : 27572.9/18

Left In: 1367.158+/-0.311 χ^2/NDF : 134682.2/11

Left: 1370.886+/-0.216 χ^2/NDF : 271169.1/25

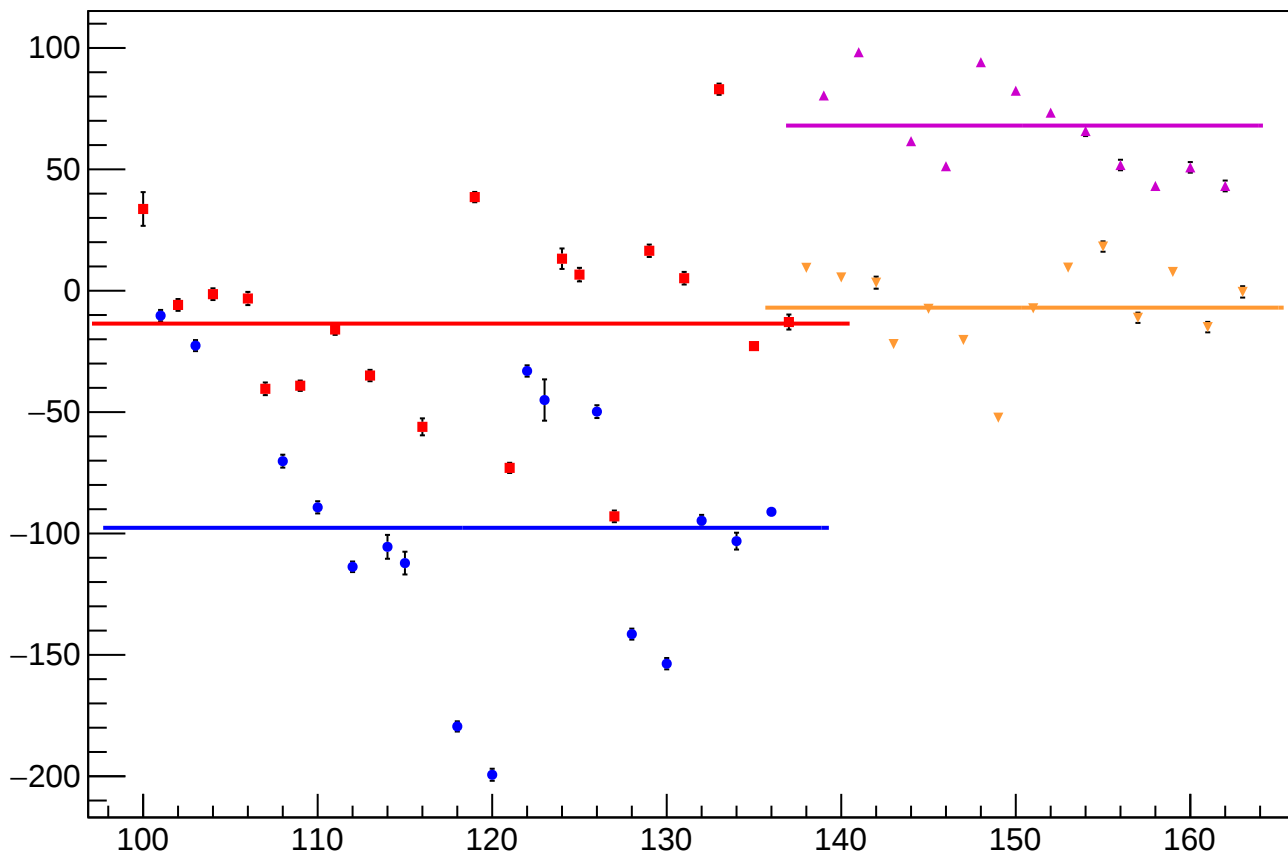
Right: 1221.195+/-0.232 χ^2/NDF : 66520.6/35

In: 1300.697+/-0.228 χ^2/NDF : 271352.1/28

Out: 1301.840+/-0.220 χ^2/NDF : 289128.9/32

All: 1301.289+/-0.158 χ^2/NDF : 560494.0/61

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.657 ± 0.601 χ^2/NDF : 7936.6/16

Left Out: -6.968 ± 0.532 χ^2/NDF : 1150.8/13

Right Out: -13.538 ± 0.579 χ^2/NDF : 5128.2/18

Left In: 68.036 ± 0.555 χ^2/NDF : 1087.1/11

Left: 28.925 ± 0.384 χ^2/NDF : 11747.9/25

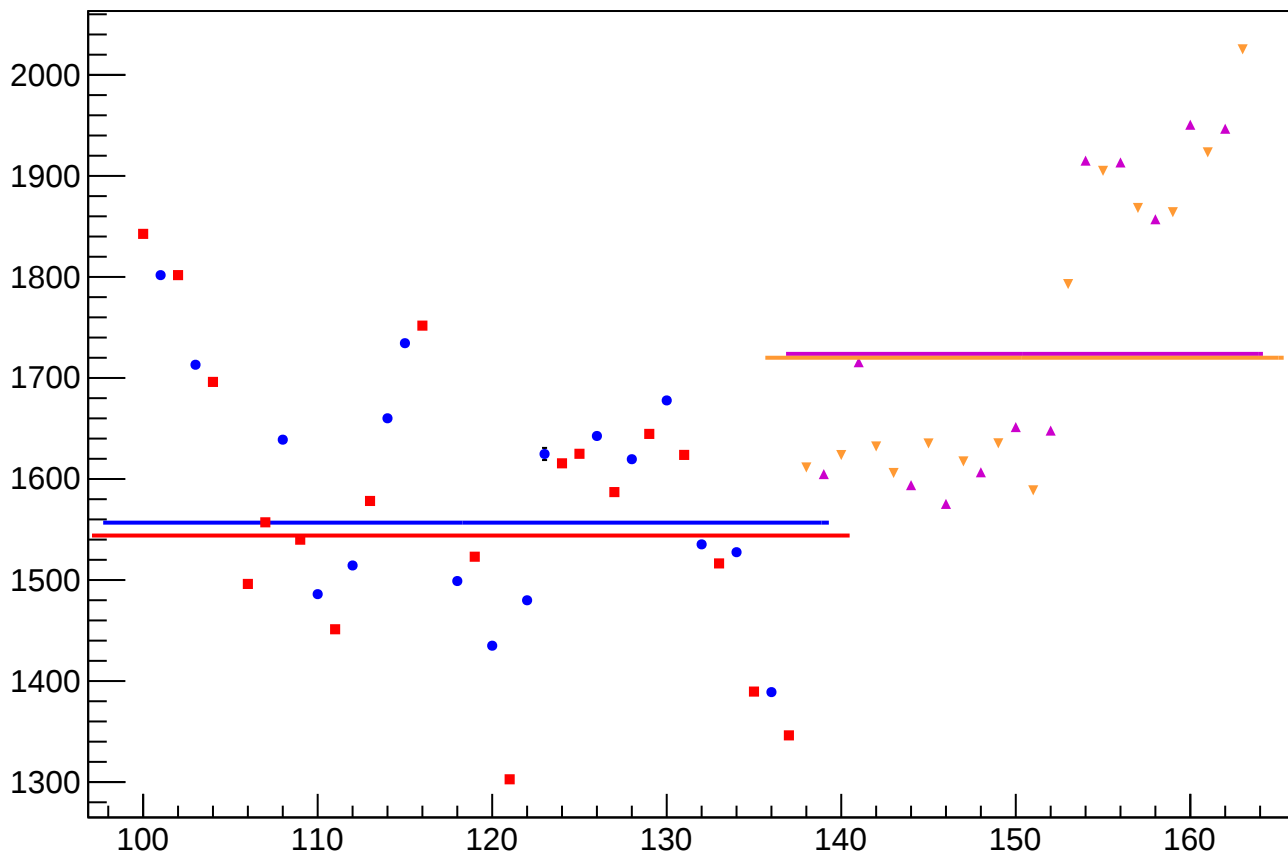
Right: -54.035 ± 0.417 χ^2/NDF : 23213.1/35

In: -8.242 ± 0.408 χ^2/NDF : 49997.3/28

Out: -9.974 ± 0.392 χ^2/NDF : 6348.8/32

All: -9.143 ± 0.283 χ^2/NDF : 56355.5/61

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1556.799 $\pm$ 0.425 χ^2 /NDF: 81549.2/16

Left Out: 1720.027 $\pm$ 0.376 χ^2 /NDF:136200.4/13

Right Out: 1544.034 $\pm$ 0.410 χ^2 /NDF: 100501.7/18

Left In: 1723.851 $\pm$ 0.393 χ^2 /NDF:131130.9/11

Left: 1721.857 $\pm$ 0.272 χ^2 /NDF: 267380.7/25

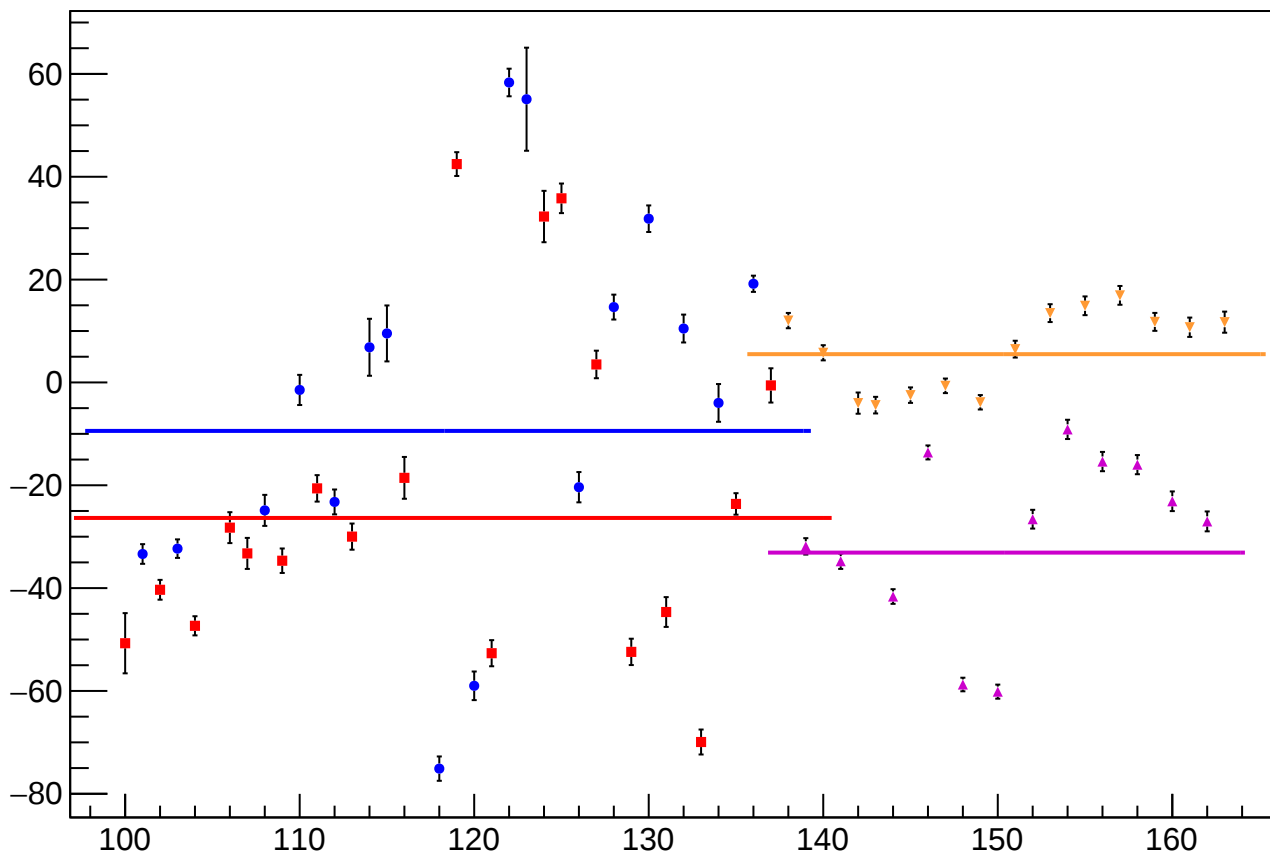
Right: 1550.179 $\pm$ 0.295 χ^2 /NDF: 182518.3/35

In: 1646.947 $\pm$ 0.288 χ^2 /NDF:295976.5/28

Out: 1639.509 $\pm$ 0.277 χ^2 /NDF:336817.1/32

All: 1643.078 $\pm$ 0.200 χ^2 /NDF: 633139.3/61

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 5.499 ± 0.442 χ^2/NDF : 286.8/13

Right Out: -26.354 ± 0.603 χ^2/NDF : 2472.1/18

Left In: -33.096 ± 0.463 χ^2/NDF : 1395.5/11

Left: -12.894 ± 0.319 χ^2/NDF : 5323.8/25

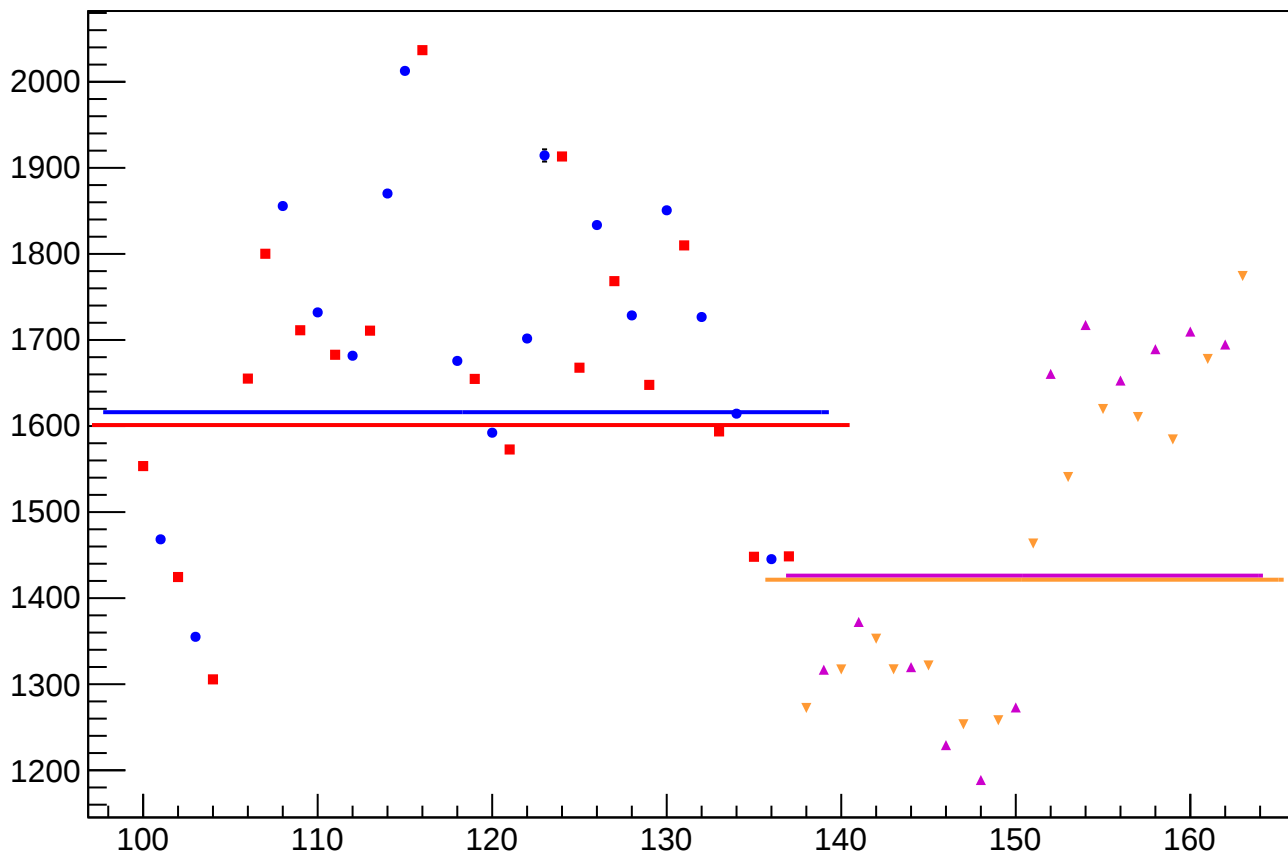
Right: -18.216 ± 0.434 χ^2/NDF : 5775.3/35

In: -24.741 ± 0.372 χ^2/NDF : 5243.2/28

Out: -5.623 ± 0.356 χ^2/NDF : 4576.2/32

All: -14.762 ± 0.257 χ^2/NDF : 11196.5/61

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1616.094 $\pm$ 0.443 χ^2 /NDF: 149596.3/16

Left Out: 1421.423 $\pm$ 0.312 χ^2 /NDF: 274239.2/13

Right Out: 1601.134 $\pm$ 0.426 χ^2 /NDF: 153651.5/18

Left In: 1426.151 $\pm$ 0.327 χ^2 /NDF: 387303.2/11

Left: 1423.676 $\pm$ 0.226 χ^2 /NDF: 661651.7/25

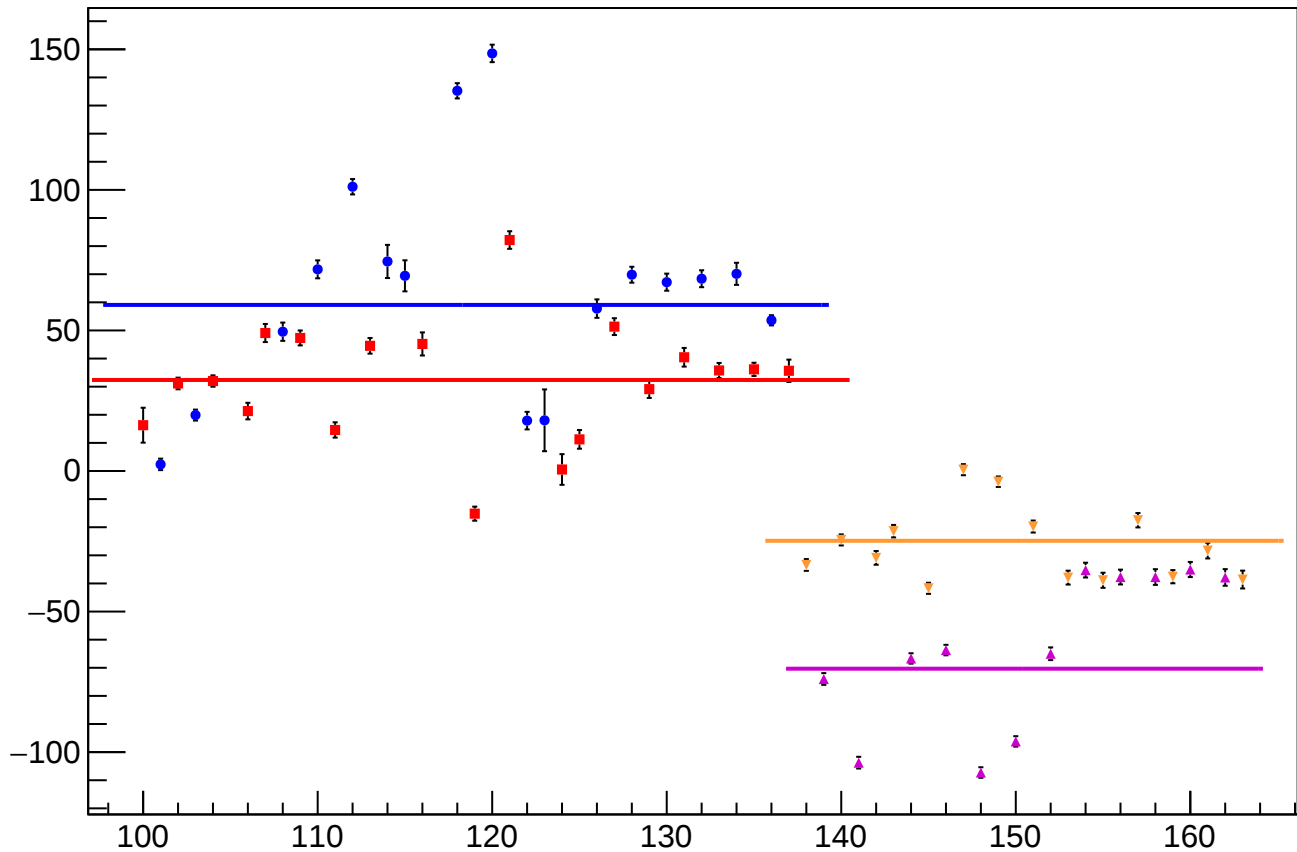
Right: 1608.326 $\pm$ 0.307 χ^2 /NDF: 303840.0/35

In: 1493.200 $\pm$ 0.263 χ^2 /NDF: 655860.7/28

Out: 1484.171 $\pm$ 0.252 χ^2 /NDF: 543586.3/32

All: 1488.487 $\pm$ 0.182 χ^2 /NDF: 1200061.3/63

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 59.081 ± 0.699 χ^2/NDF : 3293.6/16

Left Out: -24.819 ± 0.605 χ^2/NDF : 508.9/13

Right Out: 32.382 ± 0.666 χ^2/NDF : 891.5/18

Left In: -70.323 ± 0.635 χ^2/NDF : 1623.1/11

Left: -46.454 ± 0.438 χ^2/NDF : 4823.9/25

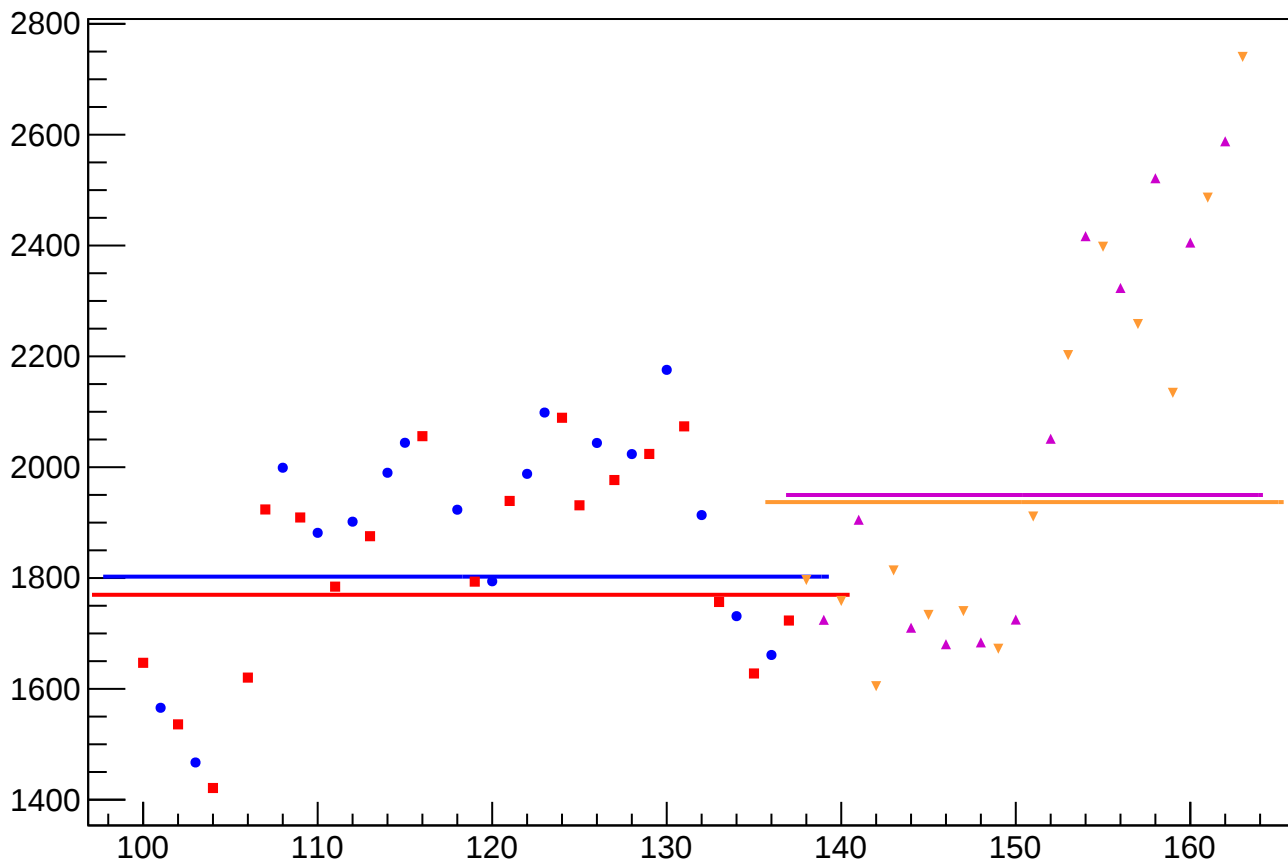
Right: 45.088 ± 0.483 χ^2/NDF : 4948.8/35

In: -11.836 ± 0.470 χ^2/NDF : 23674.3/28

Out: 1.011 ± 0.448 χ^2/NDF : 5440.1/32

All: -5.100 ± 0.324 χ^2/NDF : 29505.8/61

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1802.524+/-0.495 χ^2/NDF : 184069.0/16

Left Out: 1937.055+/-0.428 χ^2/NDF : 483027.6/13

Right Out: 1769.772+/-0.471 χ^2/NDF : 177893.4/18

Left In: 1949.849+/-0.449 χ^2/NDF : 510282.6/11

Left: 1943.138+/-0.310 χ^2/NDF : 993735.8/25

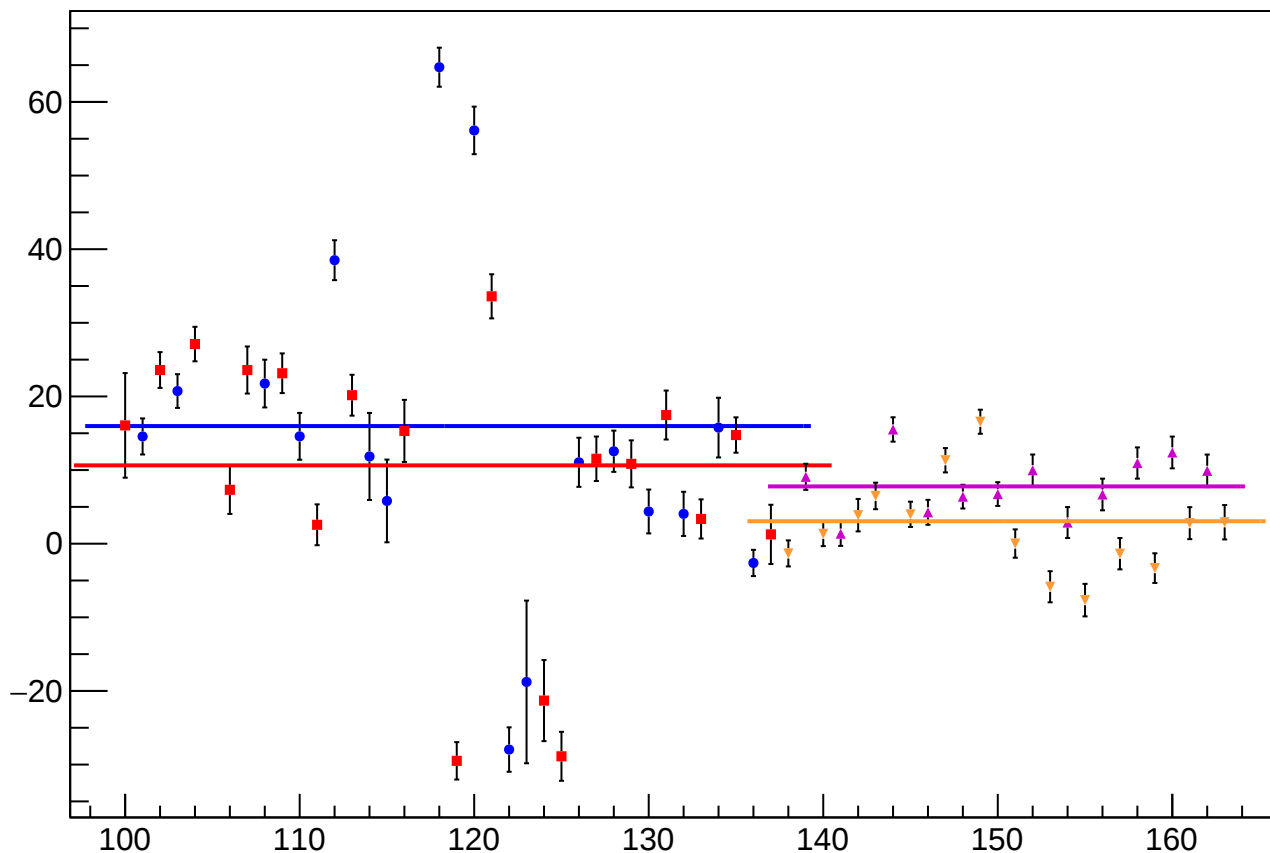
Right: 1785.358+/-0.341 χ^2/NDF : 364260.7/35

In: 1883.262+/-0.333 χ^2/NDF : 742976.5/28

Out: 1861.517+/-0.317 χ^2/NDF : 730021.5/32

All: 1871.860+/-0.229 χ^2/NDF : 1475240.7/63

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 15.976 ± 0.722 χ^2/NDF : 938.4/16

Left Out: 3.049 ± 0.511 χ^2/NDF : 162.7/13

Right Out: 10.638 ± 0.693 χ^2/NDF : 642.1/18

Left In: 7.780 ± 0.537 χ^2/NDF : 57.4/11

Left: 5.296 ± 0.370 χ^2/NDF : 260.8/25

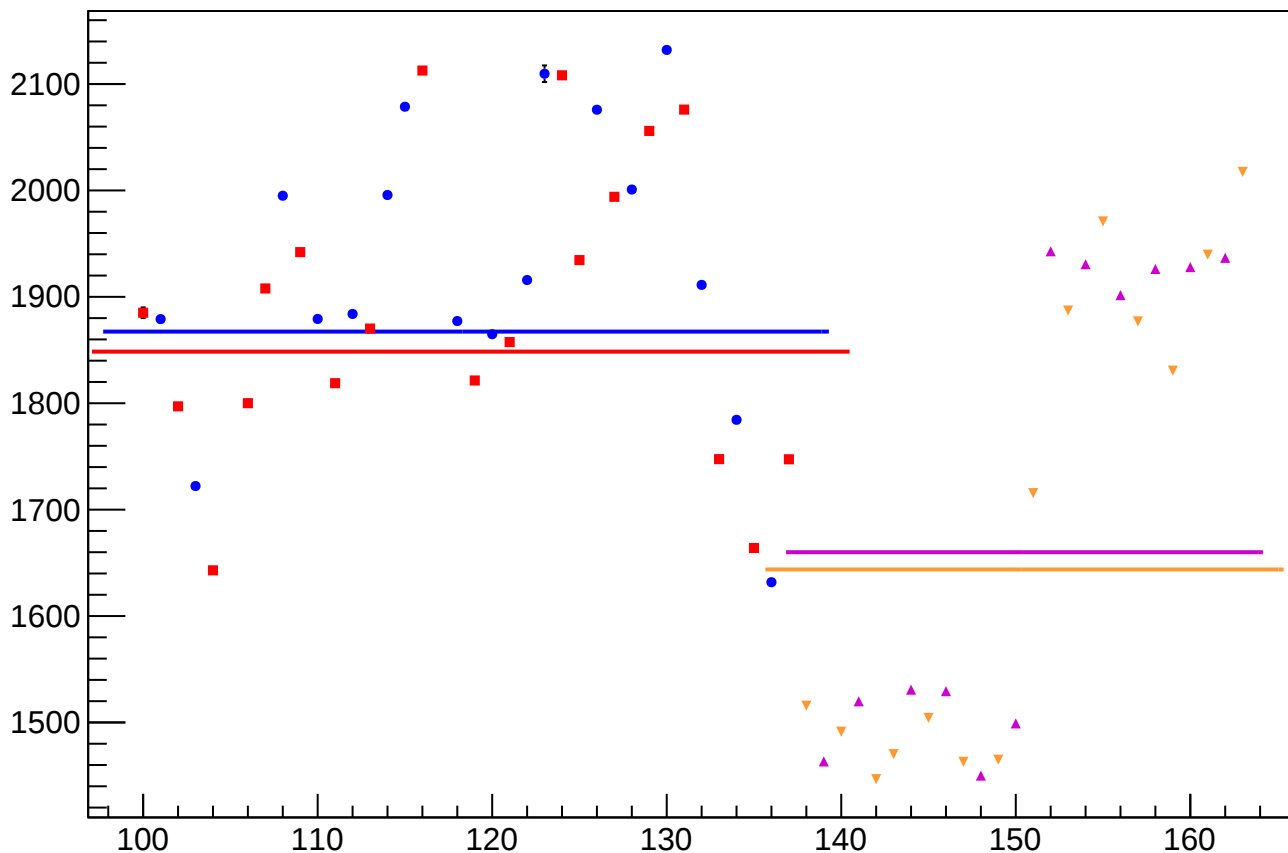
Right: 13.200 ± 0.500 χ^2/NDF : 1608.9/35

In: 10.701 ± 0.431 χ^2/NDF : 1078.8/28

Out: 5.719 ± 0.411 χ^2/NDF : 882.5/32

All: 8.094 ± 0.297 χ^2/NDF : 2031.2/61

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1867.343+/-0.510 χ^2/NDF : 80926.4/16

Left Out: 1643.780+/-0.361 χ^2/NDF :325524.6/13

Right Out: 1848.532+/-0.490 χ^2/NDF : 72527.3/18

Left In: 1659.998+/-0.380 χ^2/NDF :303930.6/11

Left: 1651.484+/-0.262 χ^2/NDF : 630413.0/25

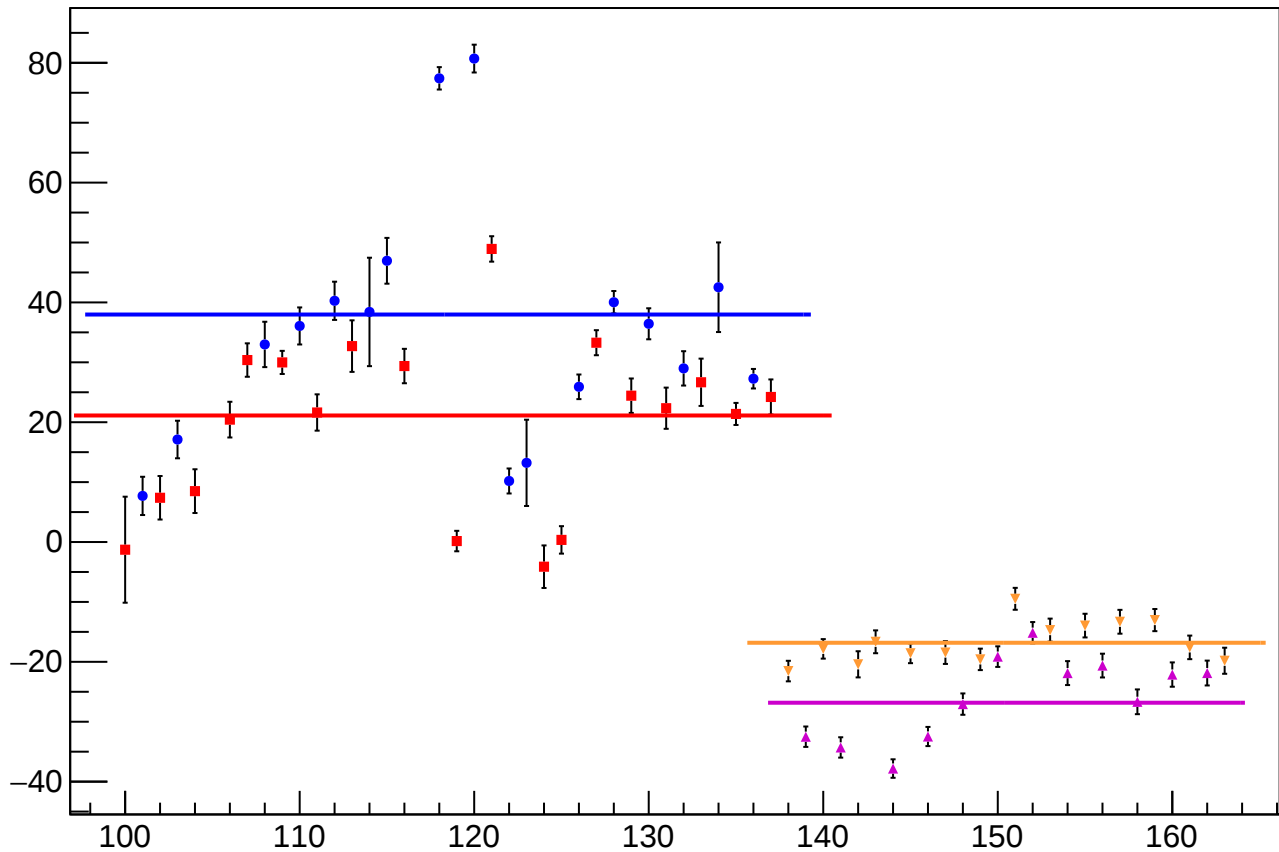
Right: 1857.561+/-0.354 χ^2/NDF : 154160.4/35

In: 1733.893+/-0.305 χ^2/NDF :491129.4/28

Out: 1715.816+/-0.291 χ^2/NDF :511105.2/32

All: 1724.435+/-0.210 χ^2/NDF : 1004077.1/63

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.979 ± 0.637 $\chi^2/\text{NDF}: 1204.3/16$

Left Out: -16.817 ± 0.500 $\chi^2/\text{NDF}: 43.7/13$

Right Out: 21.124 ± 0.608 $\chi^2/\text{NDF}: 573.6/18$

Left In: -26.829 ± 0.521 $\chi^2/\text{NDF}: 183.5/11$

Left: -21.619 ± 0.361 $\chi^2/\text{NDF}: 419.3/25$

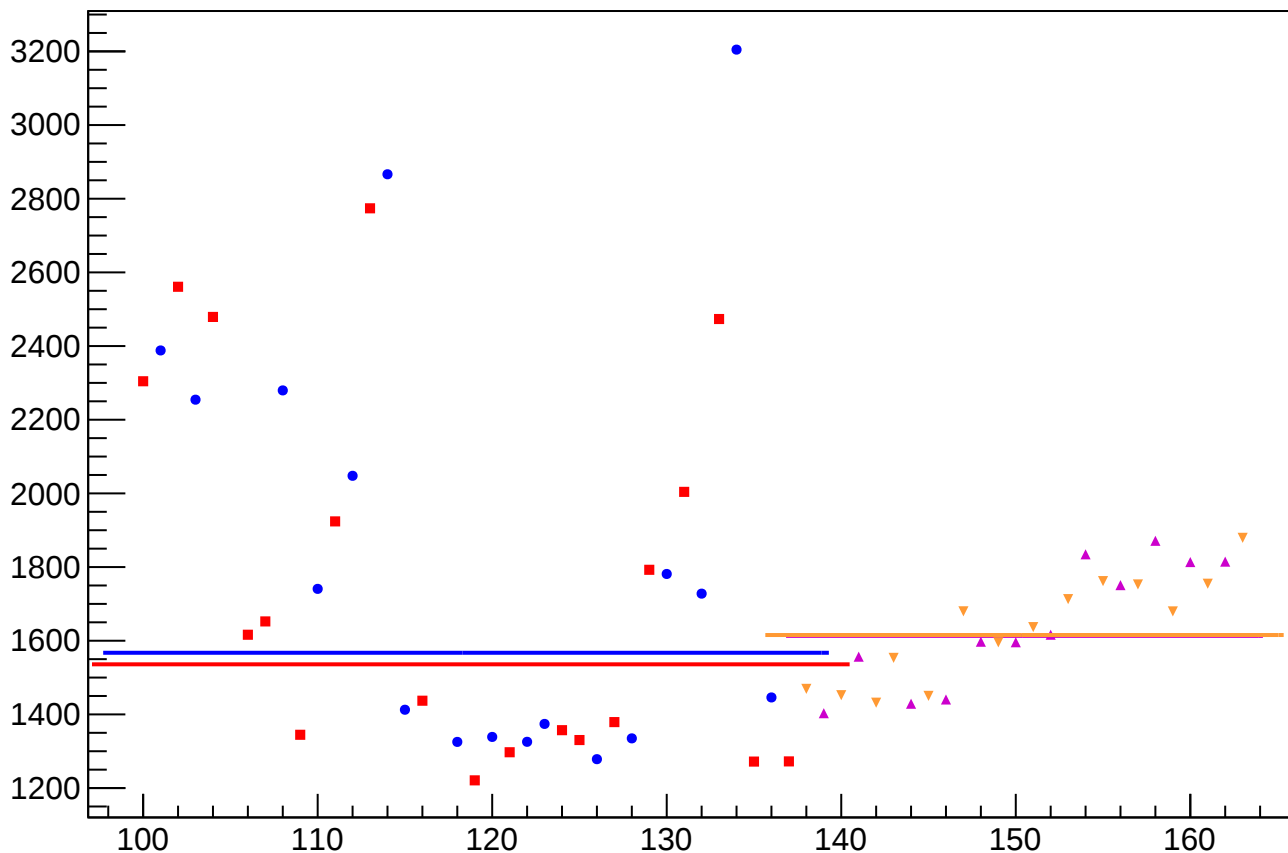
Right: 29.159 ± 0.440 $\chi^2/\text{NDF}: 2143.8/35$

In: -0.867 ± 0.403 $\chi^2/\text{NDF}: 7584.9/28$

Out: -1.511 ± 0.386 $\chi^2/\text{NDF}: 2938.0/32$

All: -1.203 ± 0.279 $\chi^2/\text{NDF}: 10524.3/61$

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1567.328 $\pm$ 0.451 χ^2/NDF : 673450.6/16

Left Out: 1615.493 $\pm$ 0.354 χ^2/NDF : 141139.8/13

Right Out: 1535.967 $\pm$ 0.430 χ^2/NDF : 882098.2/18

Left In: 1613.122 $\pm$ 0.368 χ^2/NDF : 188511.8/11

Left: 1614.356 $\pm$ 0.255 χ^2/NDF : 329673.2/25

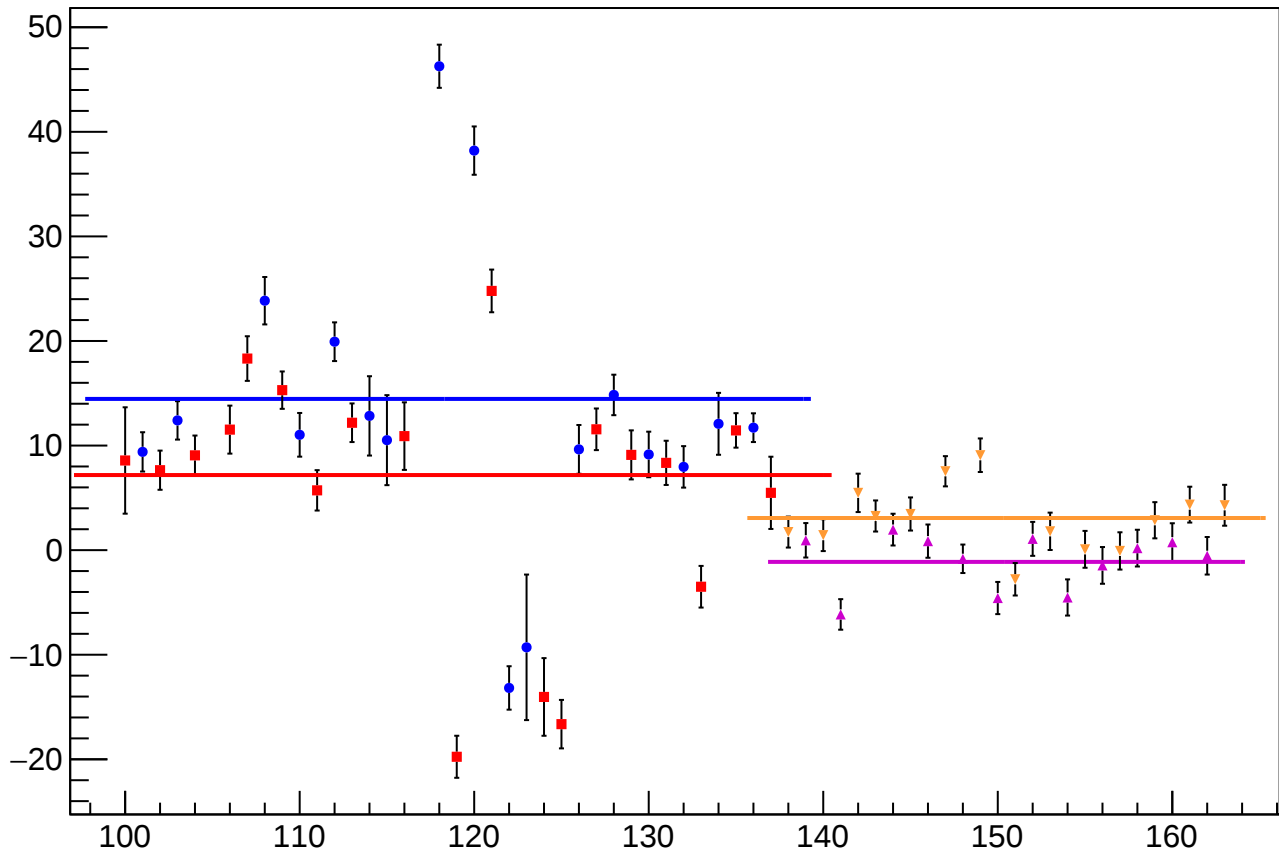
Right: 1550.918 $\pm$ 0.311 χ^2/NDF : 1558082.7/35

In: 1594.777 $\pm$ 0.285 χ^2/NDF : 868151.0/28

Out: 1583.411 $\pm$ 0.273 χ^2/NDF : 1043628.4/32

All: 1588.850 $\pm$ 0.197 χ^2/NDF : 1912607.4/63

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.461 $\pm$ 0.523 χ^2 /NDF: 595.9/16

Left Out: 3.073 $\pm$ 0.438 χ^2 /NDF: 49.1/13

Right Out: 7.181 $\pm$ 0.494 χ^2 /NDF: 495.7/18

Left In: -1.123 $\pm$ 0.466 χ^2 /NDF: 31.7/11

Left: 1.102 $\pm$ 0.319 χ^2 /NDF: 123.8/25

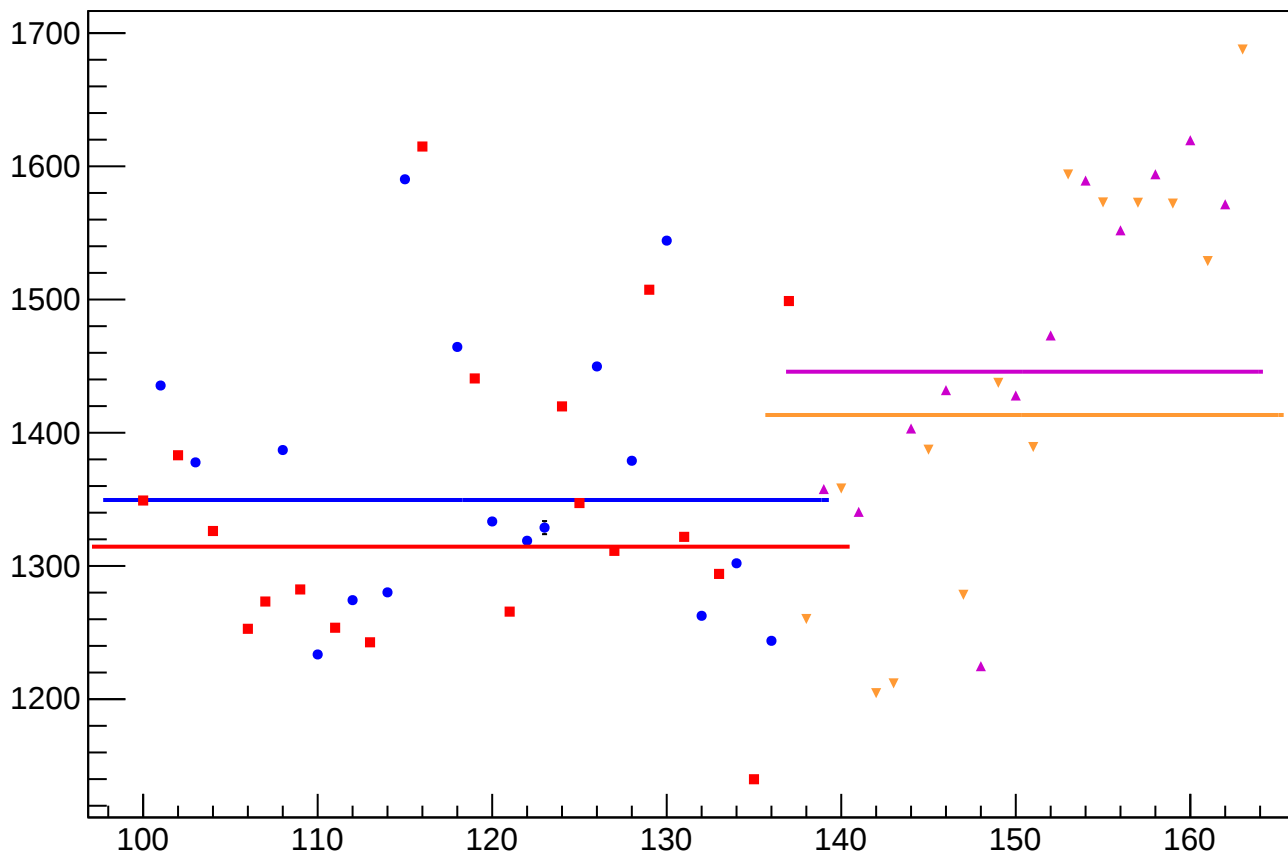
Right: 10.615 $\pm$ 0.359 χ^2 /NDF: 1193.9/35

In: 5.770 $\pm$ 0.348 χ^2 /NDF: 1122.4/28

Out: 4.881 $\pm$ 0.328 χ^2 /NDF: 583.4/32

All: 5.300 $\pm$ 0.239 χ^2 /NDF: 1709.2/61

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.522 $\pm$ 0.370 χ^2/NDF : 64667.6/16

Left Out: 1413.328 $\pm$ 0.310 χ^2/NDF : 223613.9/13

Right Out: 1314.485 $\pm$ 0.350 χ^2/NDF : 80952.7/18

Left In: 1445.818 $\pm$ 0.329 χ^2/NDF : 134845.1/11

Left: 1428.585 $\pm$ 0.226 χ^2/NDF : 363616.5/25

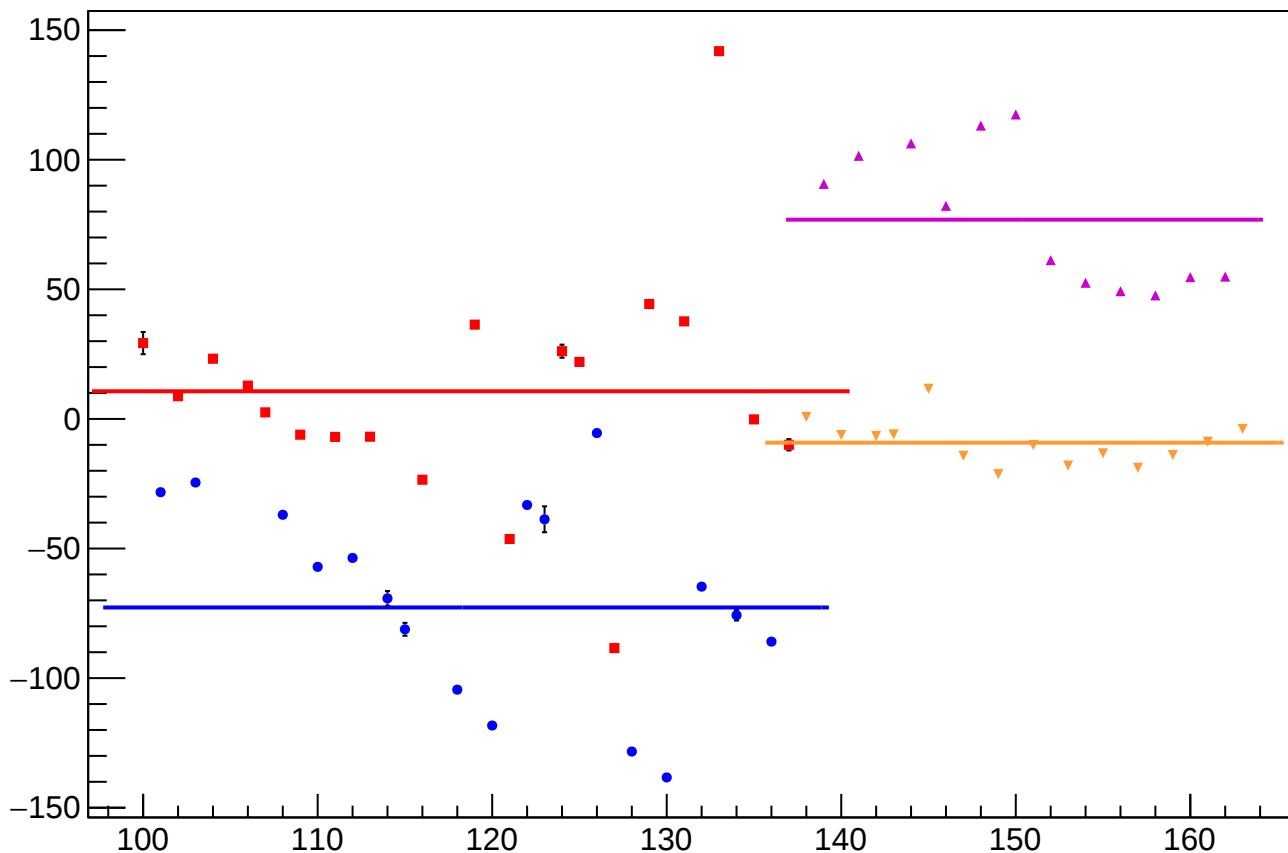
Right: 1331.011 $\pm$ 0.254 χ^2/NDF : 150358.7/35

In: 1403.224 $\pm$ 0.246 χ^2/NDF : 237294.7/28

Out: 1369.811 $\pm$ 0.232 χ^2/NDF : 349318.2/32

All: 1385.532 $\pm$ 0.169 χ^2/NDF : 596376.7/61

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.741 ± 0.362 $\chi^2/\text{NDF}: 11690.4/16$

Left Out: -9.151 ± 0.291 $\chi^2/\text{NDF}: 826.6/13$

Right Out: 10.671 ± 0.352 $\chi^2/\text{NDF}: 18171.0/18$

Left In: 76.880 ± 0.308 $\chi^2/\text{NDF}: 6790.7/11$

Left: 31.459 ± 0.212 $\chi^2/\text{NDF}: 48802.3/25$

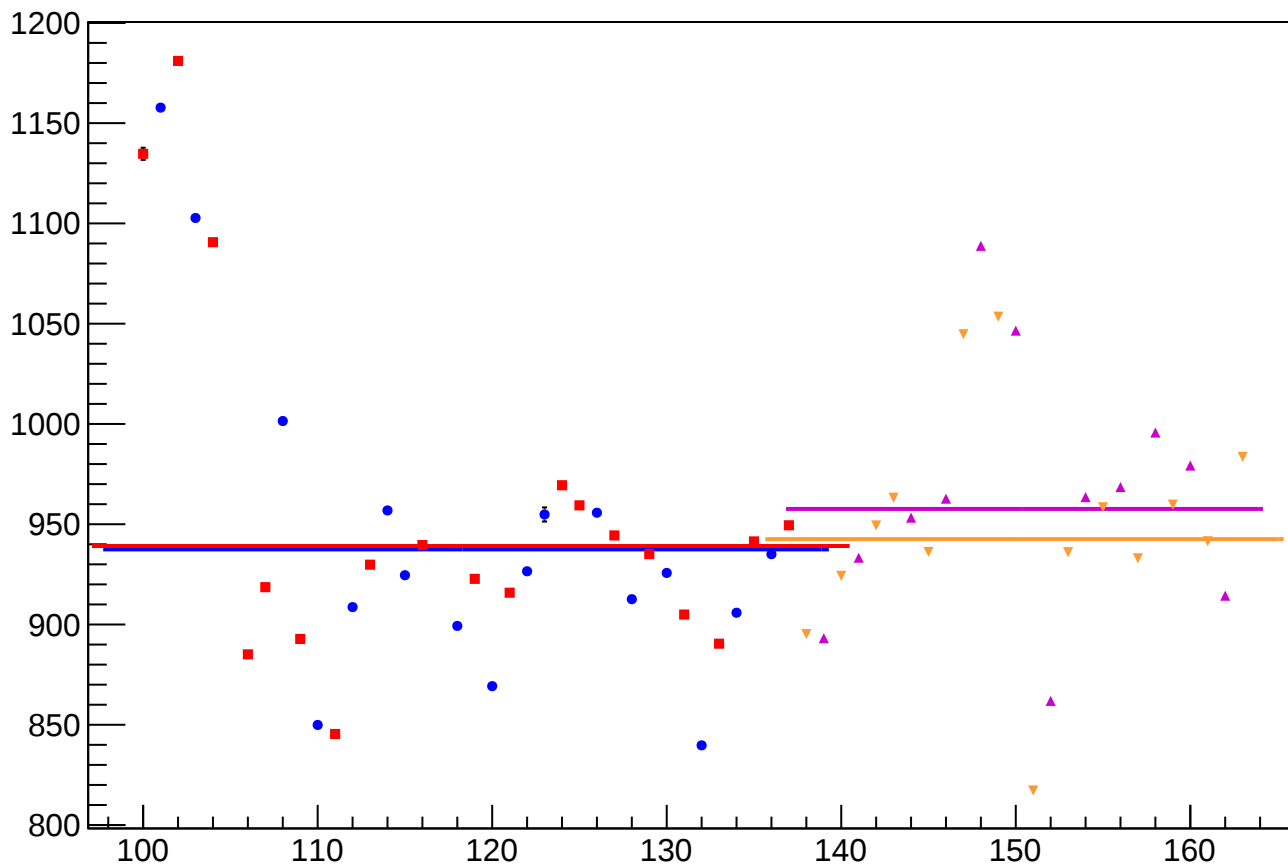
Right: -29.865 ± 0.253 $\chi^2/\text{NDF}: 57099.2/35$

In: 14.116 ± 0.235 $\chi^2/\text{NDF}: 117457.4/28$

Out: -1.104 ± 0.224 $\chi^2/\text{NDF}: 20877.7/32$

All: 6.168 ± 0.162 $\chi^2/\text{NDF}: 140531.6/61$

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.454 $\pm$ 0.256 χ^2 /NDF: 98307.6/16

Left Out: 942.574 $\pm$ 0.206 χ^2 /NDF: 79864.8/13

Right Out: 939.140 $\pm$ 0.249 χ^2 /NDF: 90253.2/18

Left In: 957.632 $\pm$ 0.218 χ^2 /NDF: 71491.2/11

Left: 949.682 $\pm$ 0.150 χ^2 /NDF: 153879.2/25

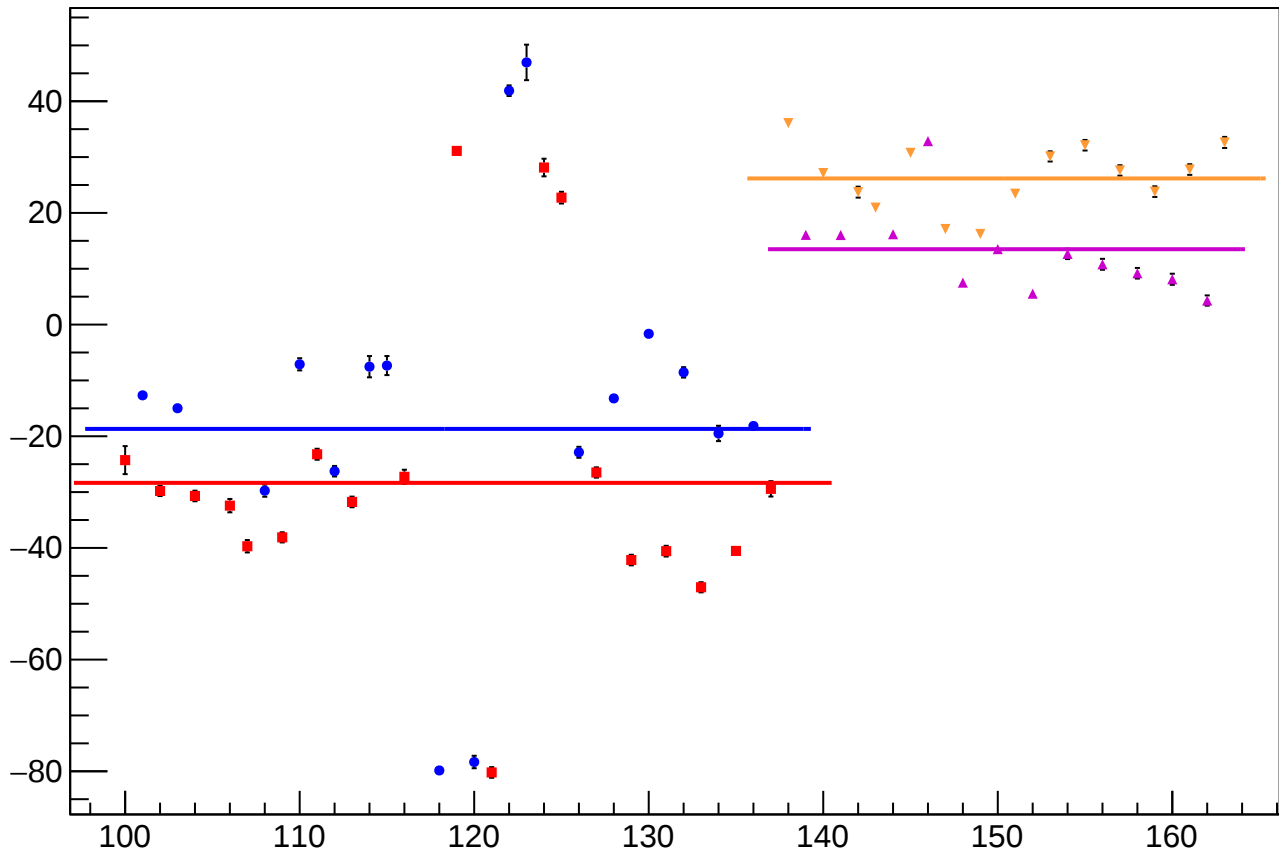
Right: 938.320 $\pm$ 0.179 χ^2 /NDF: 188583.1/35

In: 949.167 $\pm$ 0.166 χ^2 /NDF: 173399.2/28

Out: 941.180 $\pm$ 0.159 χ^2 /NDF: 170230.9/32

All: 944.996 $\pm$ 0.115 χ^2 /NDF: 344839.8/61

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -18.683 ± 0.243 $\chi^2/\text{NDF}: 13006.2/16$

Left Out: 26.171 ± 0.223 $\chi^2/\text{NDF}: 692.8/13$

Right Out: -28.347 ± 0.235 $\chi^2/\text{NDF}: 12508.1/18$

Left In: 13.500 ± 0.236 $\chi^2/\text{NDF}: 1010.7/11$

Left: 20.199 ± 0.162 $\chi^2/\text{NDF}: 3228.2/25$

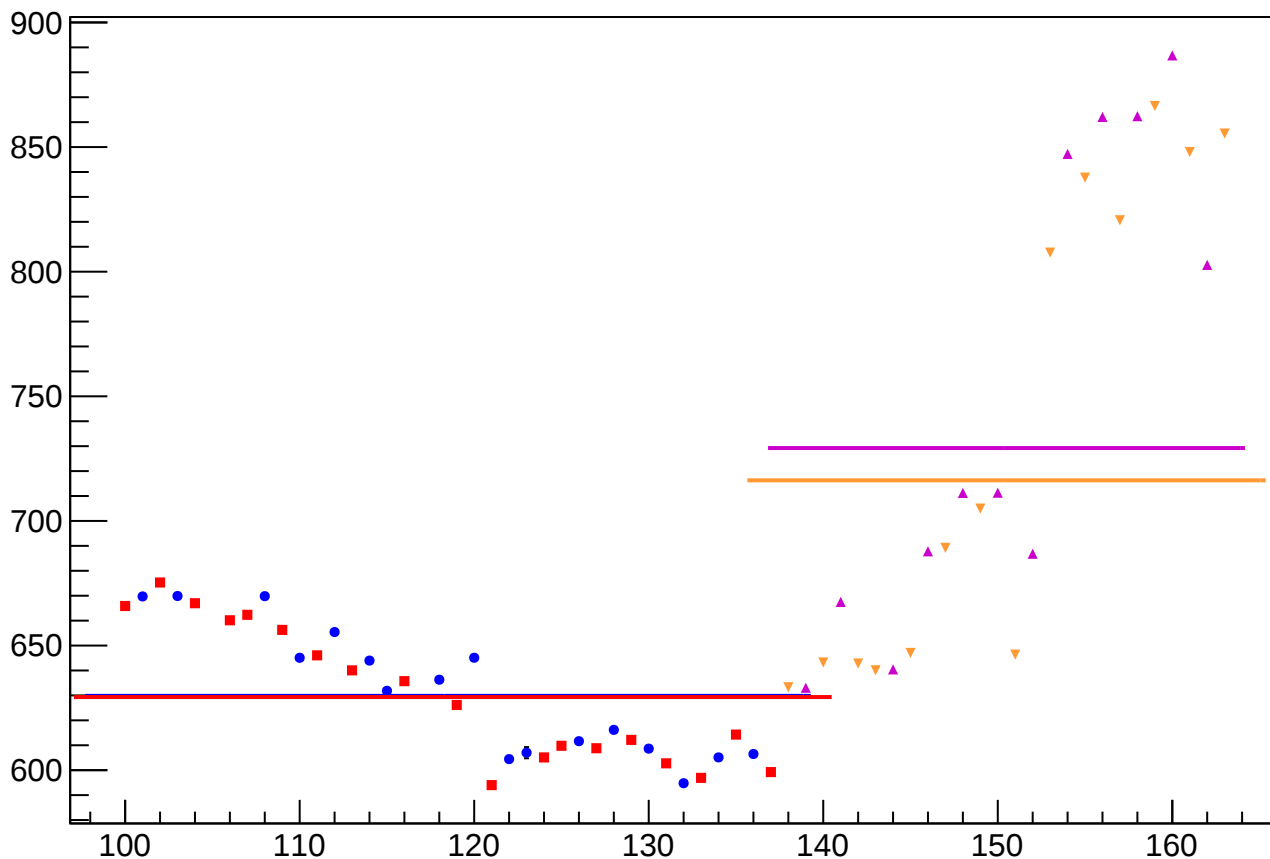
Right: -23.660 ± 0.169 $\chi^2/\text{NDF}: 26331.1/35$

In: -2.140 ± 0.169 $\chi^2/\text{NDF}: 23058.3/28$

Out: 0.419 ± 0.162 $\chi^2/\text{NDF}: 41487.9/32$

All: -0.804 ± 0.117 $\chi^2/\text{NDF}: 64665.8/61$

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.815 $\pm$ 0.172 χ^2 /NDF: 23298.3/16

Left Out: 716.295 $\pm$ 0.158 χ^2 /NDF: 320735.4/13

Right Out: 629.340 $\pm$ 0.166 χ^2 /NDF: 25538.5/18

Left In: 729.244 $\pm$ 0.167 χ^2 /NDF: 264717.6/11

Left: 722.398 $\pm$ 0.115 χ^2 /NDF: 588637.7/25

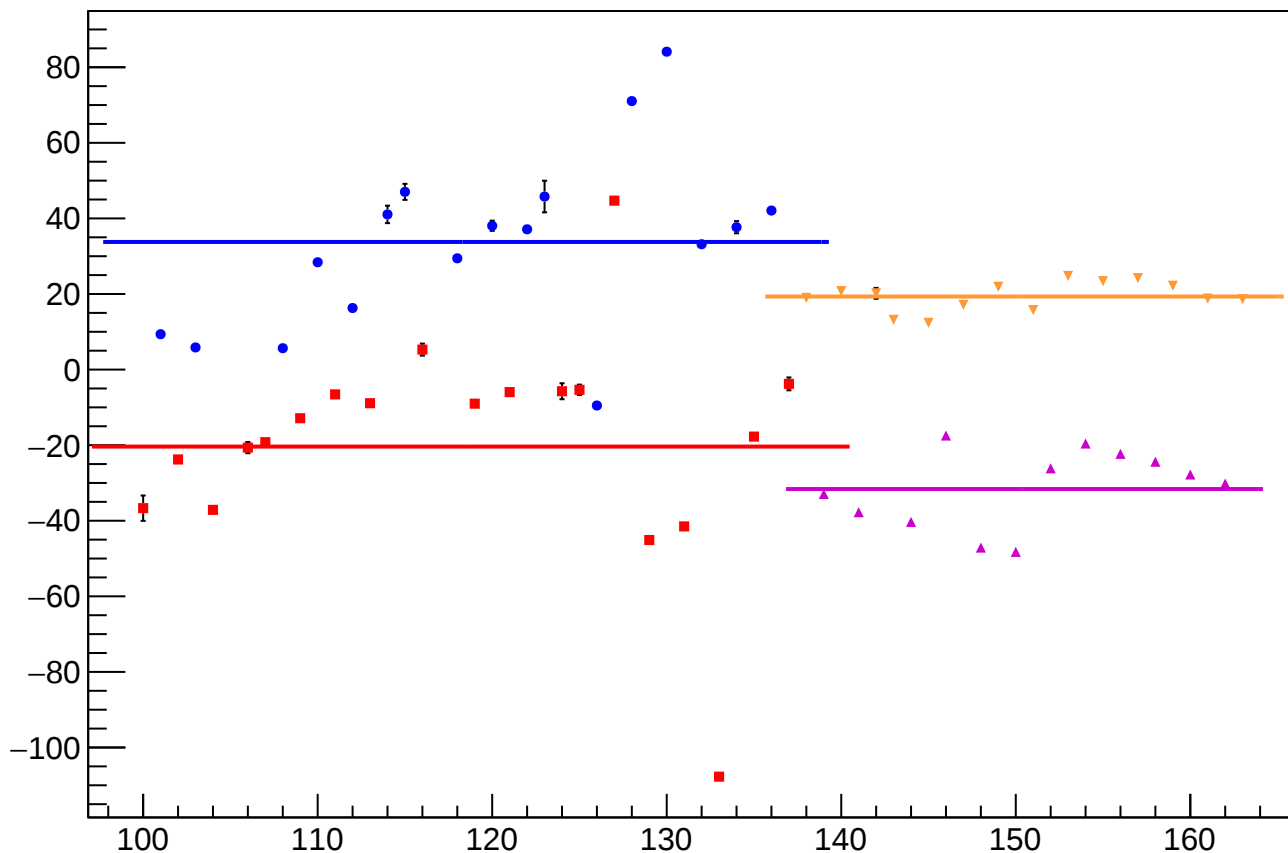
Right: 629.570 $\pm$ 0.119 χ^2 /NDF: 48840.7/35

In: 680.924 $\pm$ 0.120 χ^2 /NDF: 460618.3/28

Out: 675.221 $\pm$ 0.114 χ^2 /NDF: 490199.3/32

All: 677.946 $\pm$ 0.083 χ^2 /NDF: 952004.4/61

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.773+/-0.300 χ^2/NDF : 6487.9/16

Left Out: 19.332+/-0.318 χ^2/NDF : 137.5/13

Right Out: -20.375+/-0.293 χ^2/NDF : 11287.7/18

Left In: -31.606+/-0.333 χ^2/NDF : 884.7/11

Left: -4.999+/-0.230 χ^2/NDF : 13252.4/25

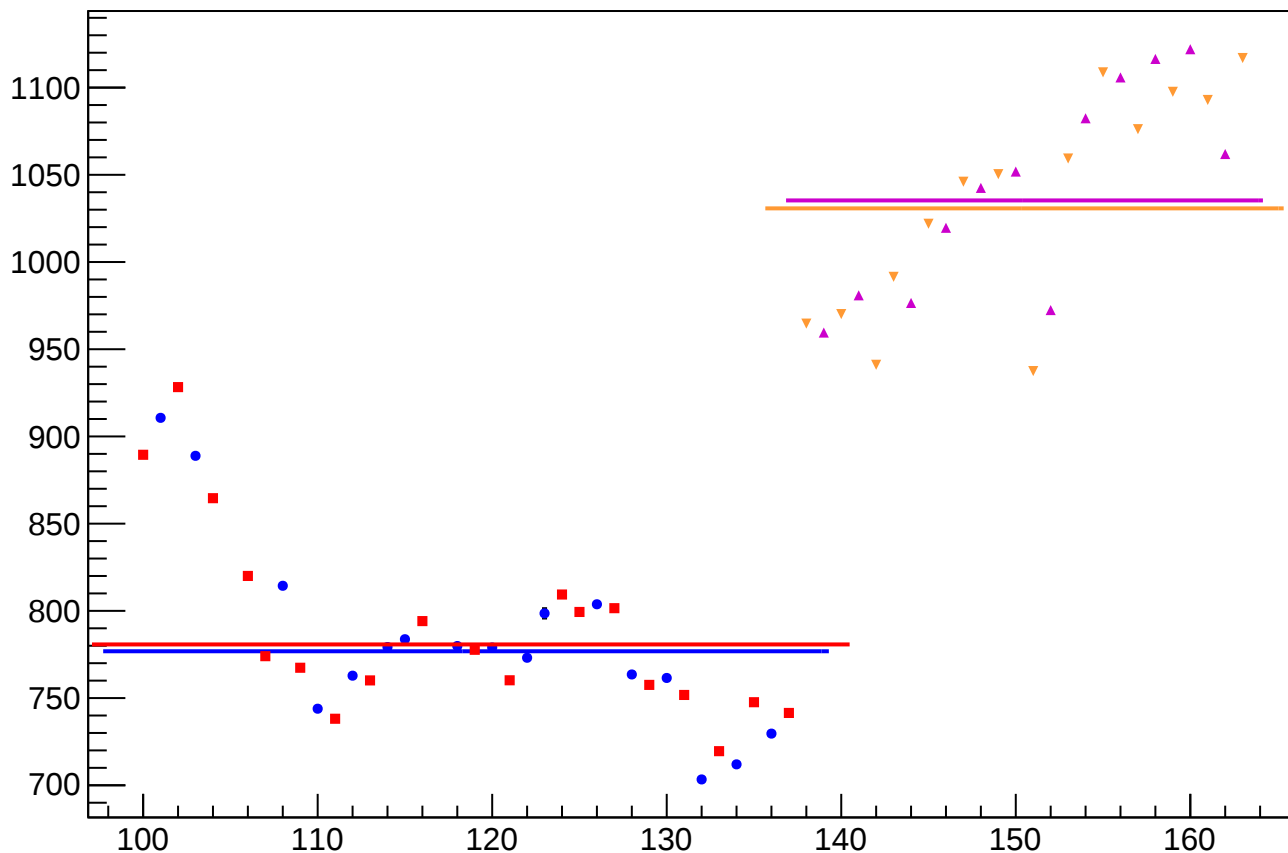
Right: 6.025+/-0.209 χ^2/NDF : 34481.3/35

In: 4.483+/-0.223 χ^2/NDF : 28664.4/28

Out: -2.196+/-0.215 χ^2/NDF : 19860.6/32

All: 1.030+/-0.155 χ^2/NDF : 48989.6/61

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1030.755 $\pm$ 0.225 χ^2 /NDF: 71863.8/13

Right Out: 780.755 $\pm$ 0.207 χ^2 /NDF: 57428.9/18

Left In: 1035.316 $\pm$ 0.235 χ^2 /NDF: 56373.6/11

Left: 1032.933 $\pm$ 0.163 χ^2 /NDF: 128433.5/25

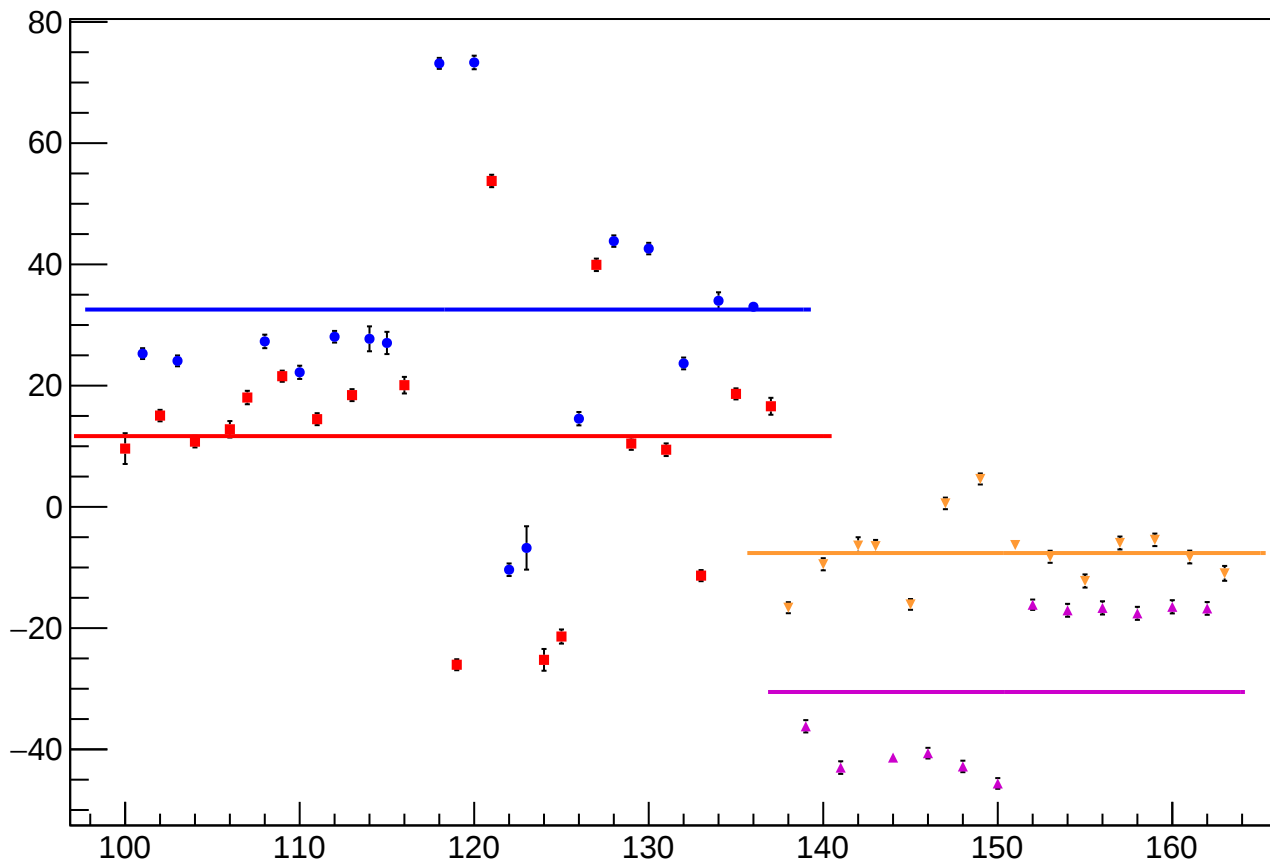
Right: 778.845 $\pm$ 0.148 χ^2 /NDF: 125090.9/35

In: 892.635 $\pm$ 0.158 χ^2 /NDF: 789461.2/28

Out: 895.207 $\pm$ 0.152 χ^2 /NDF: 798063.9/32

All: 893.965 $\pm$ 0.110 χ^2 /NDF: 1587663.0/61

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Left: -18.551 +/- 0.194 χ^2/NDF : 6007.2/25

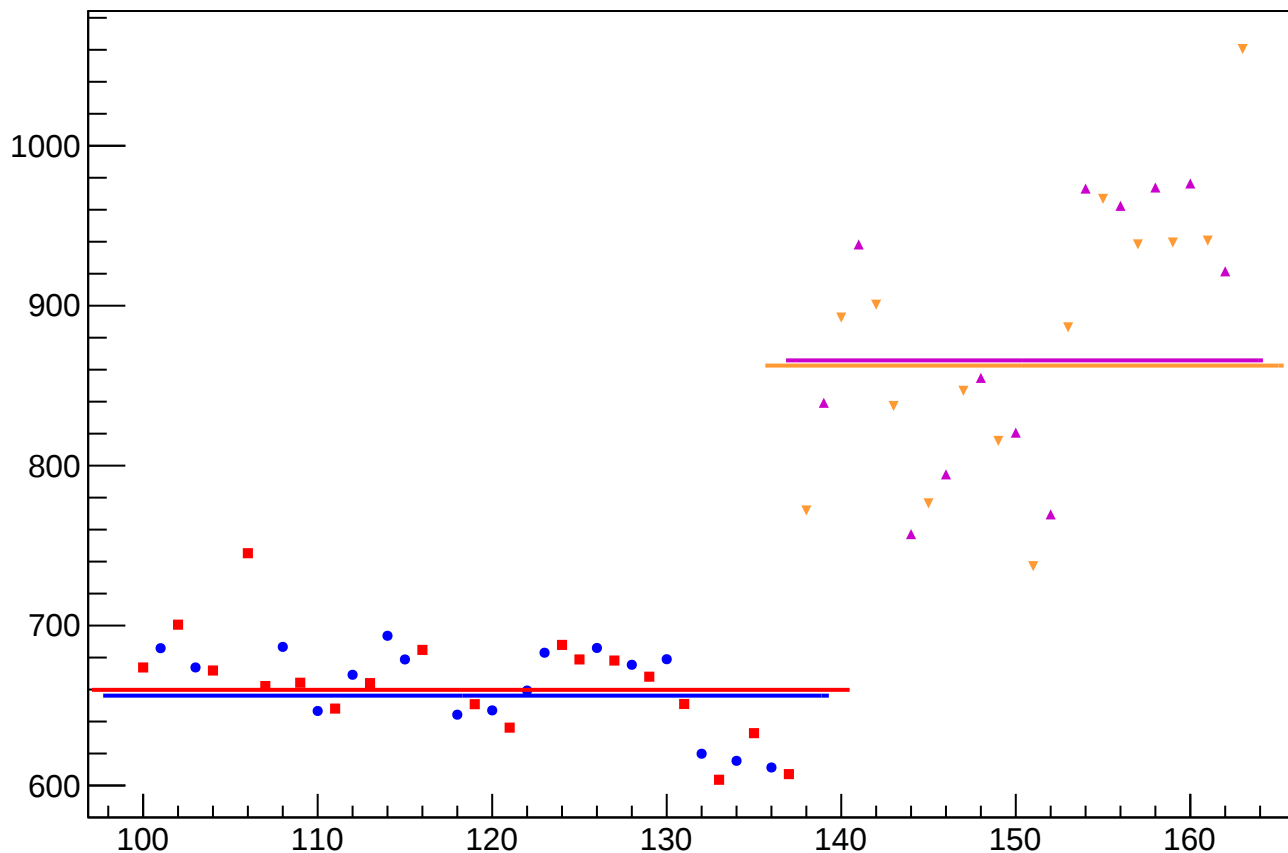
Right: 21.868 +/- 0.177 χ^2/NDF : 15919.4/35

In: 4.240 +/- 0.188 χ^2/NDF : 36033.1/28

Out: 2.805 +/- 0.182 χ^2/NDF : 9645.5/32

All: 3.499 +/- 0.131 χ^2/NDF : 45708.8/61

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 656.181 $\pm$ 0.179 χ^2/NDF : 23569.6/16

Left Out: 862.550 $\pm$ 0.189 χ^2/NDF : 199286.9/13

Right Out: 659.813 $\pm$ 0.175 χ^2/NDF : 28325.7/18

Left In: 865.812 $\pm$ 0.198 χ^2/NDF : 172021.0/11

Left: 864.107 $\pm$ 0.137 χ^2/NDF : 371449.5/25

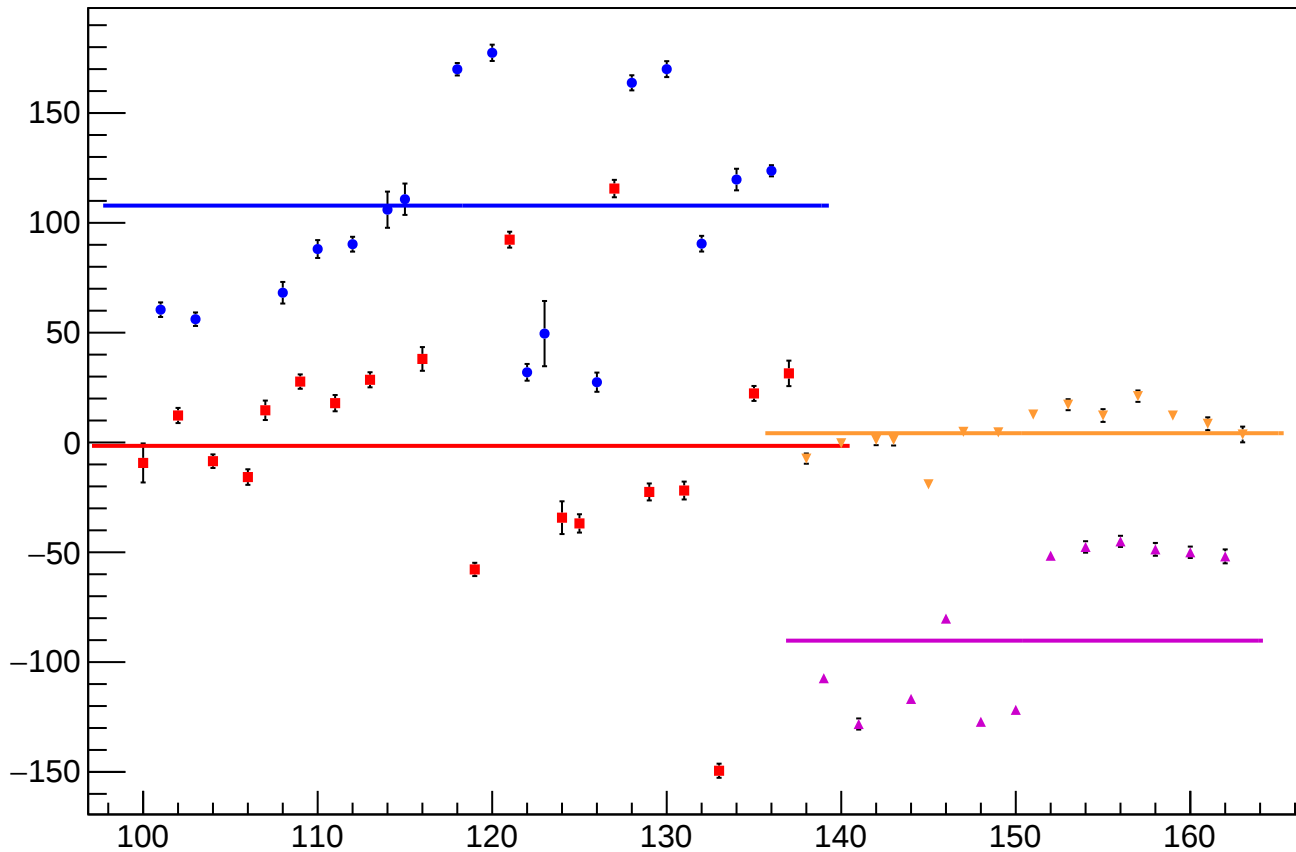
Right: 658.039 $\pm$ 0.125 χ^2/NDF : 52106.5/35

In: 750.257 $\pm$ 0.133 χ^2/NDF : 812461.9/28

Out: 753.035 $\pm$ 0.128 χ^2/NDF : 847226.1/32

All: 751.693 $\pm$ 0.092 χ^2/NDF : 1659914.5/61

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.852 ± 0.922 χ^2/NDF : 2809.0/16

Left Out: 4.216 ± 0.615 χ^2/NDF : 271.5/13

Right Out: -1.542 ± 0.883 χ^2/NDF : 4523.8/18

Left In: -90.229 ± 0.635 χ^2/NDF : 2717.2/11

Left: -41.527 ± 0.442 χ^2/NDF : 14410.2/25

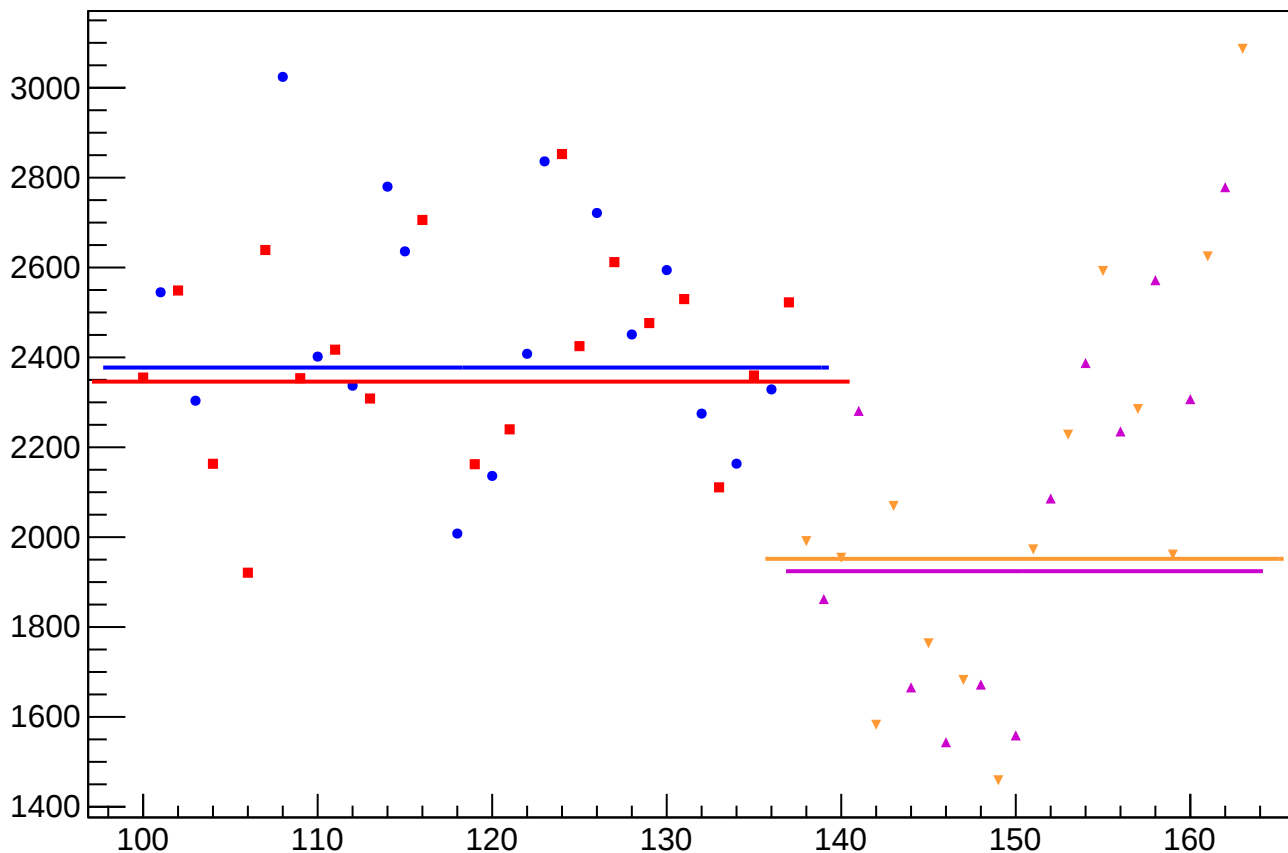
Right: 50.839 ± 0.638 χ^2/NDF : 14676.8/35

In: -26.511 ± 0.523 χ^2/NDF : 36866.2/28

Out: 2.336 ± 0.505 χ^2/NDF : 4823.9/32

All: -11.584 ± 0.363 χ^2/NDF : 43266.3/61

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 1951.785+/-0.435 χ^2/NDF : 750966.8/13

Right Out: 2346.121+/-0.625 χ^2/NDF : 108257.3/18

Left In: 1924.266+/-0.449 χ^2/NDF : 700542.3/11

Left: 1938.456+/-0.312 χ^2/NDF : 1453448.4/25

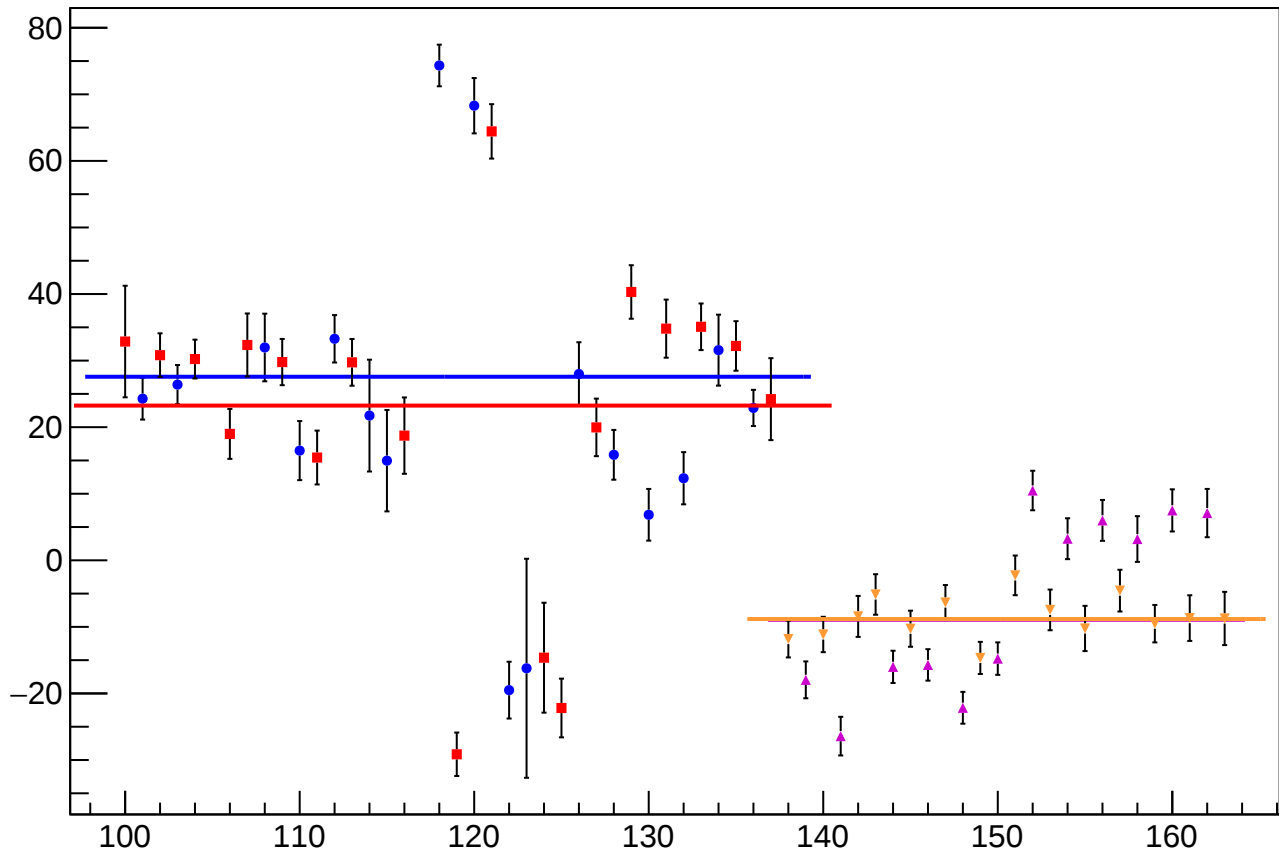
Right: 2361.109+/-0.451 χ^2/NDF : 229108.5/35

In: 2070.036+/-0.370 χ^2/NDF : 1148240.8/28

Out: 2080.537+/-0.357 χ^2/NDF : 1127679.1/32

All: 2075.470+/-0.257 χ^2/NDF : 2276337.7/63

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.577 $\pm$ 0.975 χ^2/NDF : 519.6/16

Left Out: -8.821 $\pm$ 0.786 χ^2/NDF : 17.6/13

Right Out: 23.243 $\pm$ 0.927 χ^2/NDF : 557.9/18

Left In: -8.933 $\pm$ 0.809 χ^2/NDF : 241.0/11

Left: -8.875 $\pm$ 0.564 χ^2/NDF : 258.6/25

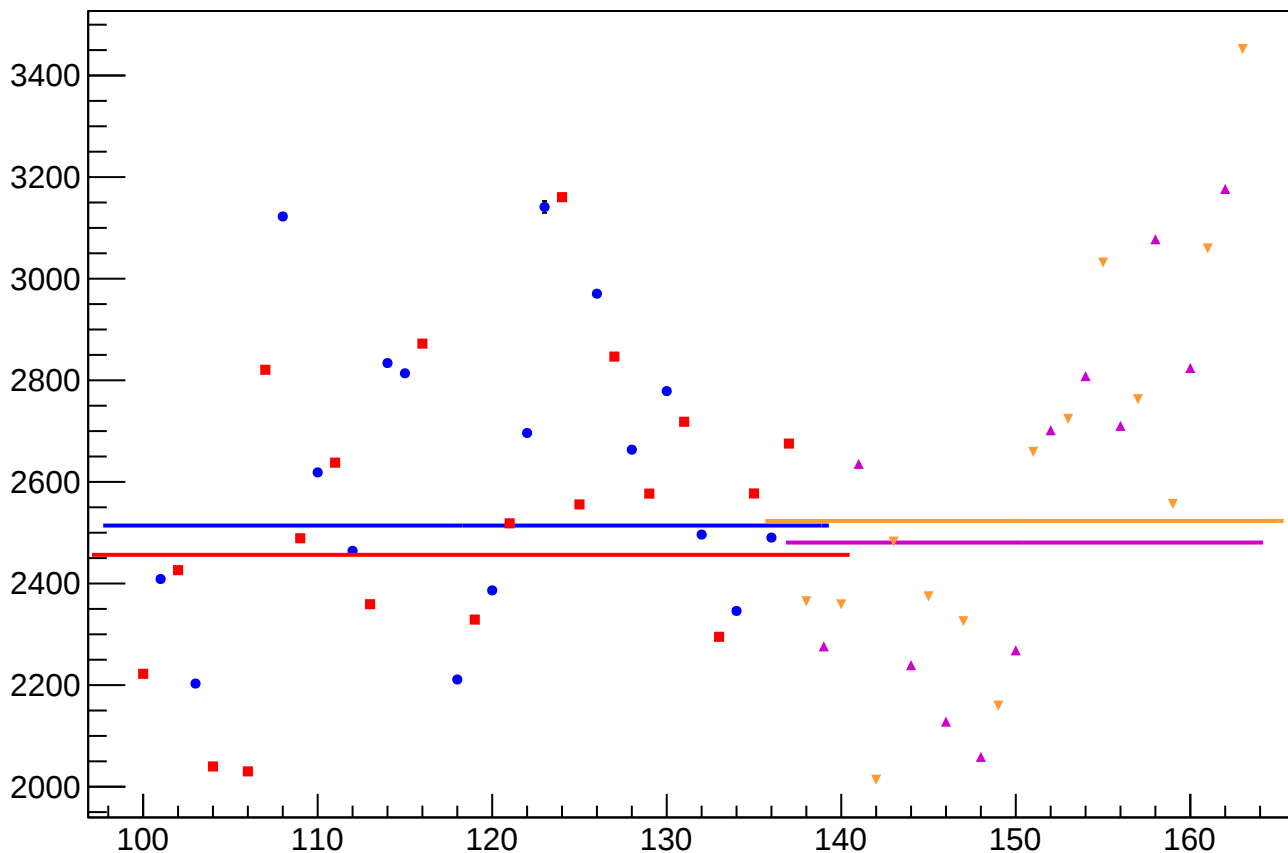
Right: 25.301 $\pm$ 0.672 χ^2/NDF : 1087.8/35

In: 5.962 $\pm$ 0.623 χ^2/NDF : 1591.0/28

Out: 4.581 $\pm$ 0.599 χ^2/NDF : 1271.8/32

All: 5.245 $\pm$ 0.432 χ^2/NDF : 2865.4/61

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2514.088+/-0.689 χ^2/NDF : 120961.3/16

Left Out: 2523.195+/-0.555 χ^2/NDF : 358380.1/13

Right Out: 2456.460+/-0.655 χ^2/NDF : 149732.7/18

Left In: 2480.656+/-0.572 χ^2/NDF : 360906.9/11

Left: 2502.556+/-0.399 χ^2/NDF : 722132.5/25

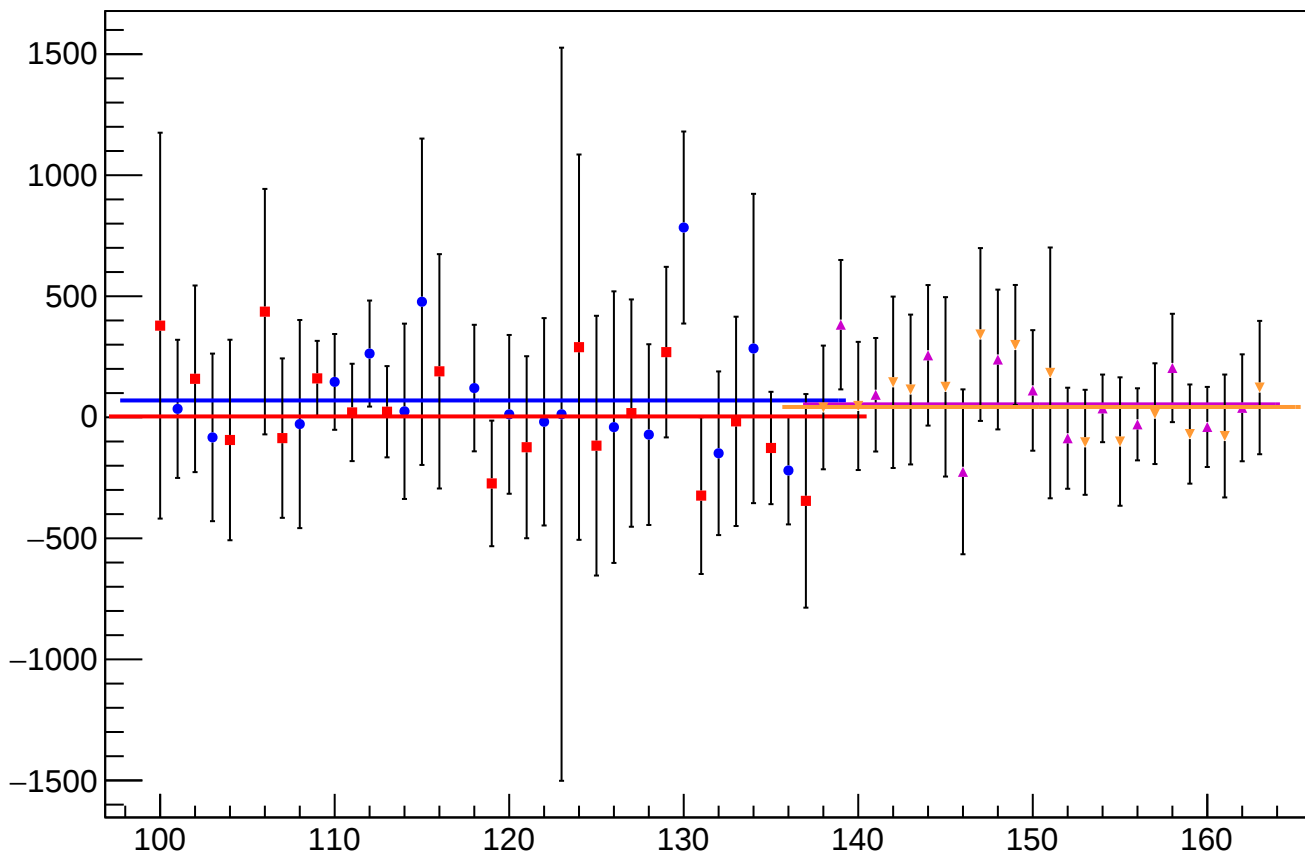
Right: 2483.827+/-0.475 χ^2/NDF : 274364.7/35

In: 2494.295+/-0.440 χ^2/NDF : 483261.0/28

Out: 2495.302+/-0.424 χ^2/NDF : 514145.8/32

All: 2494.818+/-0.305 χ^2/NDF : 997409.4/61

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.587 $\pm$ 79.023 χ^2 /NDF: 7.3/16

Left Out: 42.610 $\pm$ 71.757 χ^2 /NDF:3.4/13

Right Out: 3.562 $\pm$ 69.980 χ^2 /NDF: 6.4/18

Left In: 53.427 $\pm$ 60.069 χ^2 /NDF:4.7/11

Left: 48.970 $\pm$ 46.060 χ^2 /NDF: 8.1/25

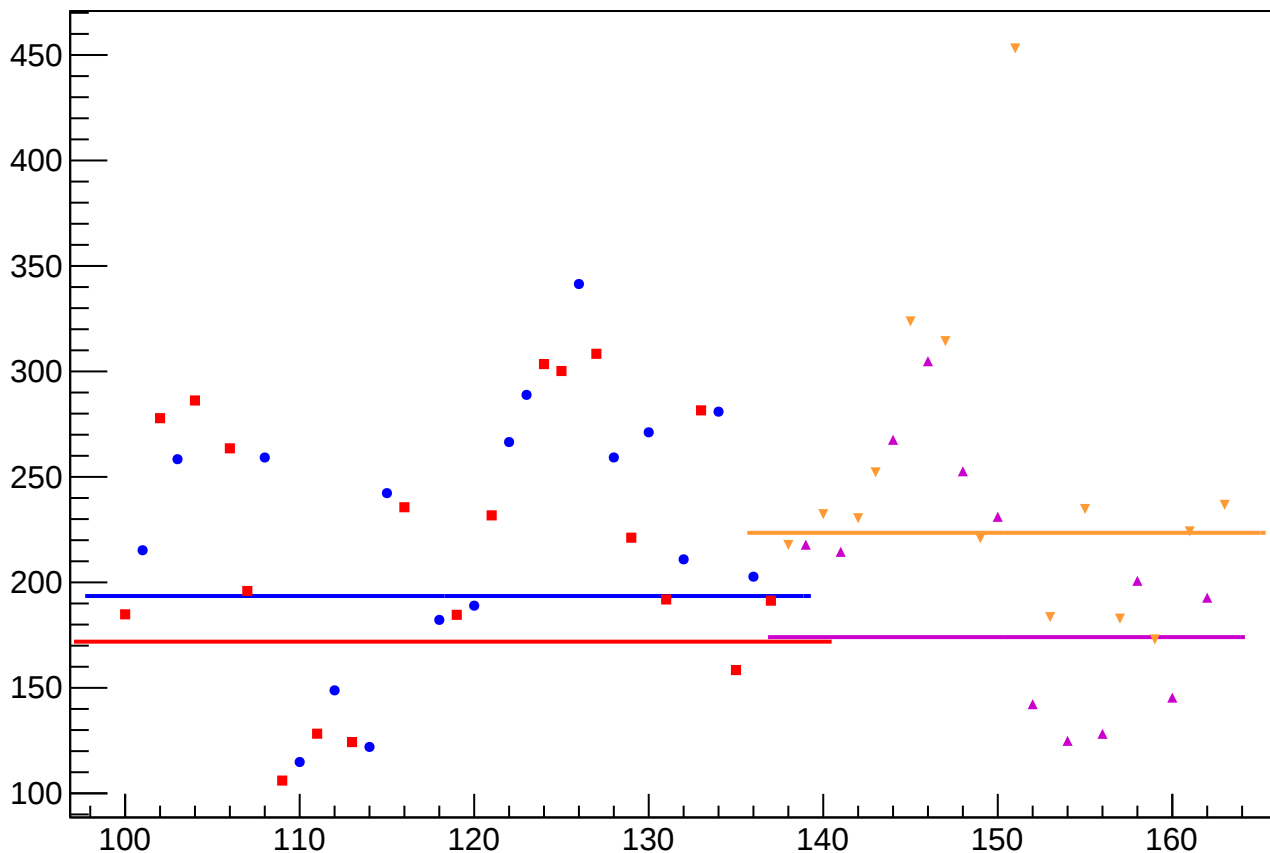
Right: 32.582 $\pm$ 52.390 χ^2 /NDF: 14.1/35

In: 59.345 $\pm$ 47.821 χ^2 /NDF:12.1/28

Out: 22.596 $\pm$ 50.100 χ^2 /NDF:9.9/32

All: 41.825 $\pm$ 34.592 χ^2 /NDF: 22.3/61

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.533+/-0.056 χ^2/NDF : 1010428.2/16

Left Out: 223.494+/-0.051 χ^2/NDF : 964559.9/13

Right Out: 171.901+/-0.049 χ^2/NDF : 1576883.7/18

Left In: 174.054+/-0.042 χ^2/NDF : 1455891.6/11

Left: 194.425+/-0.033 χ^2/NDF : 2978674.8/25

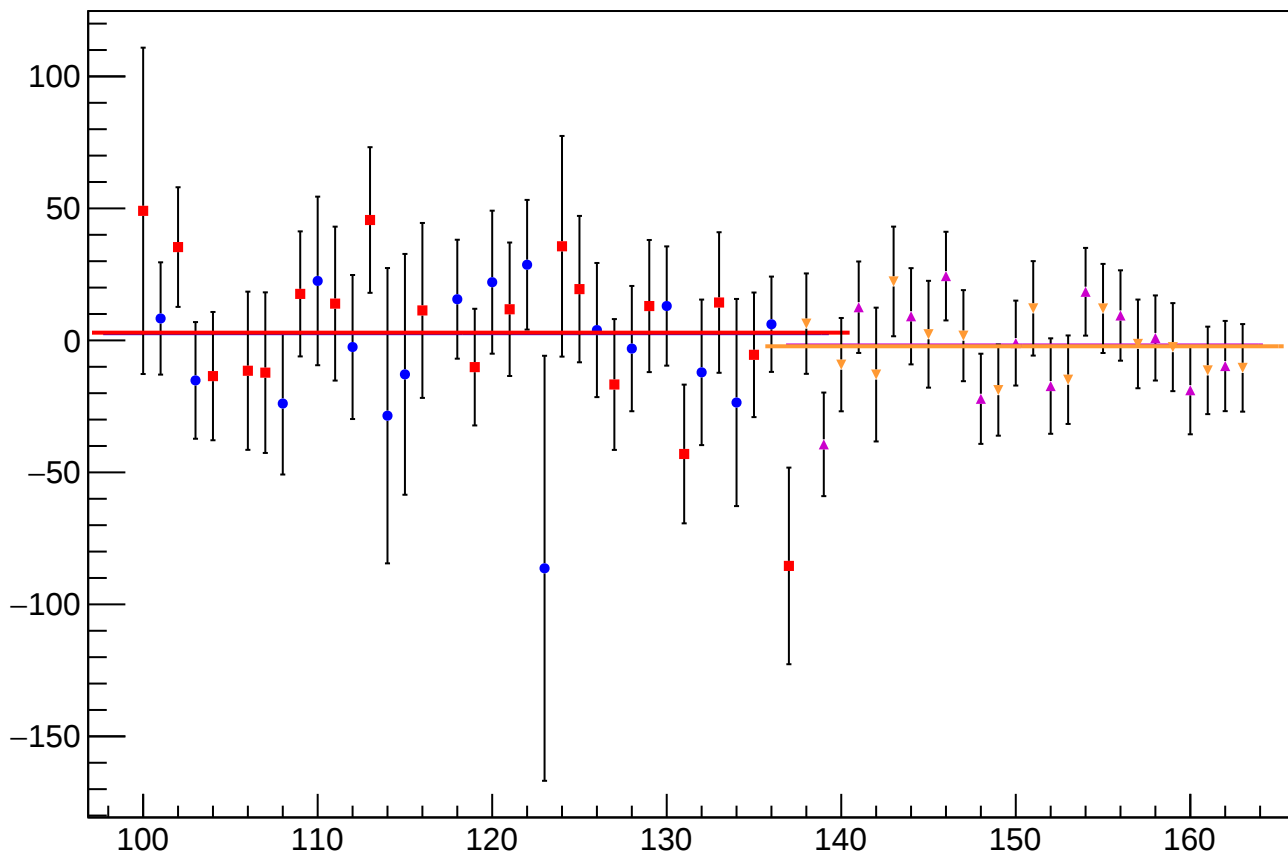
Right: 181.409+/-0.037 χ^2/NDF : 2671312.8/35

In: 181.188+/-0.034 χ^2/NDF : 2543336.5/28

Out: 197.050+/-0.035 χ^2/NDF : 3071369.6/32

All: 188.750+/-0.024 χ^2/NDF : 5719619.8/61

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.733+/-6.424 χ^2/NDF : 6.8/16

Left Out: -2.233+/-4.789 χ^2/NDF : 5.5/13

Right Out: 2.928+/-6.279 χ^2/NDF : 17.8/18

Left In: -1.909+/-4.955 χ^2/NDF : 12.5/11

Left: -2.076+/-3.443 χ^2/NDF : 18.0/25

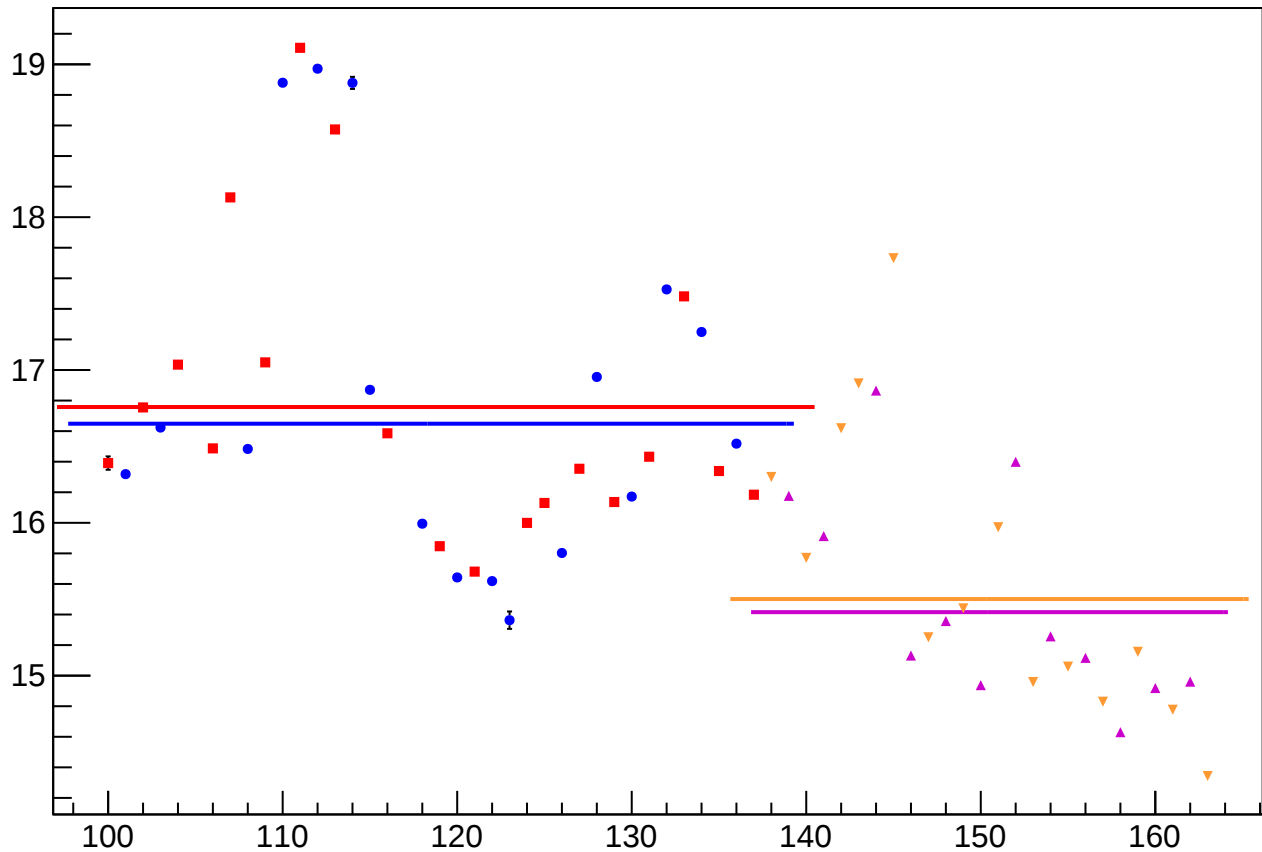
Right: 2.833+/-4.490 χ^2/NDF : 24.5/35

In: -0.177+/-3.923 χ^2/NDF : 19.6/28

Out: -0.335+/-3.808 χ^2/NDF : 23.6/32

All: -0.258+/-2.732 χ^2/NDF : 43.2/61

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.649 $\pm$ 0.005 χ^2/NDF : 42566.9/16

Left Out: 15.501 $\pm$ 0.003 χ^2/NDF :64329.5/13

Right Out: 16.758 $\pm$ 0.004 χ^2/NDF : 39950.7/18

Left In: 15.416 $\pm$ 0.004 χ^2/NDF :34315.2/11

Left: 15.460 $\pm$ 0.002 χ^2/NDF : 98953.7/25

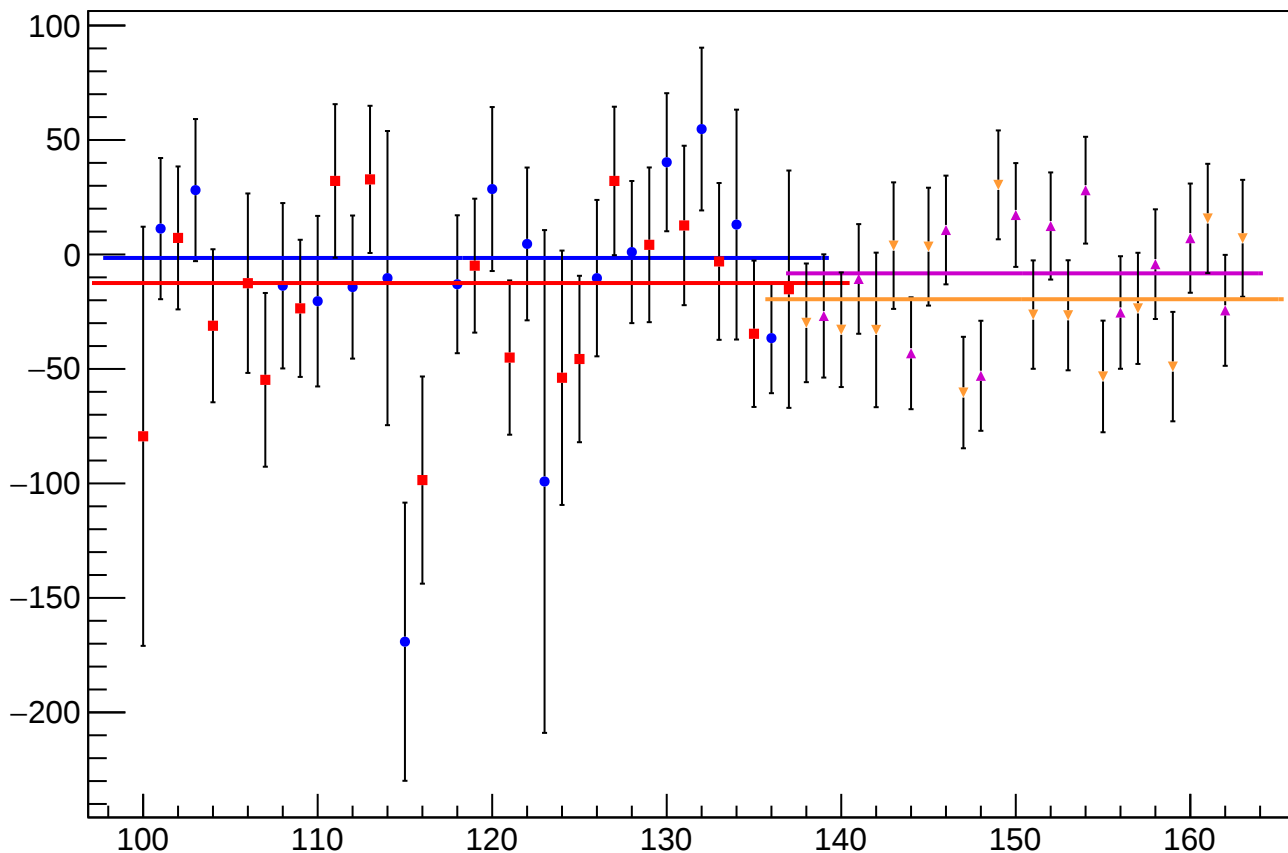
Right: 16.704 $\pm$ 0.003 χ^2/NDF : 82813.0/35

In: 15.875 $\pm$ 0.003 χ^2/NDF :123072.0/28

Out: 15.963 $\pm$ 0.003 χ^2/NDF :154918.4/32

All: 15.921 $\pm$ 0.002 χ^2/NDF : 278507.1/61

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.523 ± 8.485 χ^2/NDF : 17.6/16

Left Out: -19.547 ± 6.716 χ^2/NDF : 16.2/13

Right Out: -12.475 ± 8.210 χ^2/NDF : 15.6/18

Left In: -8.245 ± 6.938 χ^2/NDF : 12.5/11

Left: -14.080 ± 4.825 χ^2/NDF : 30.1/25

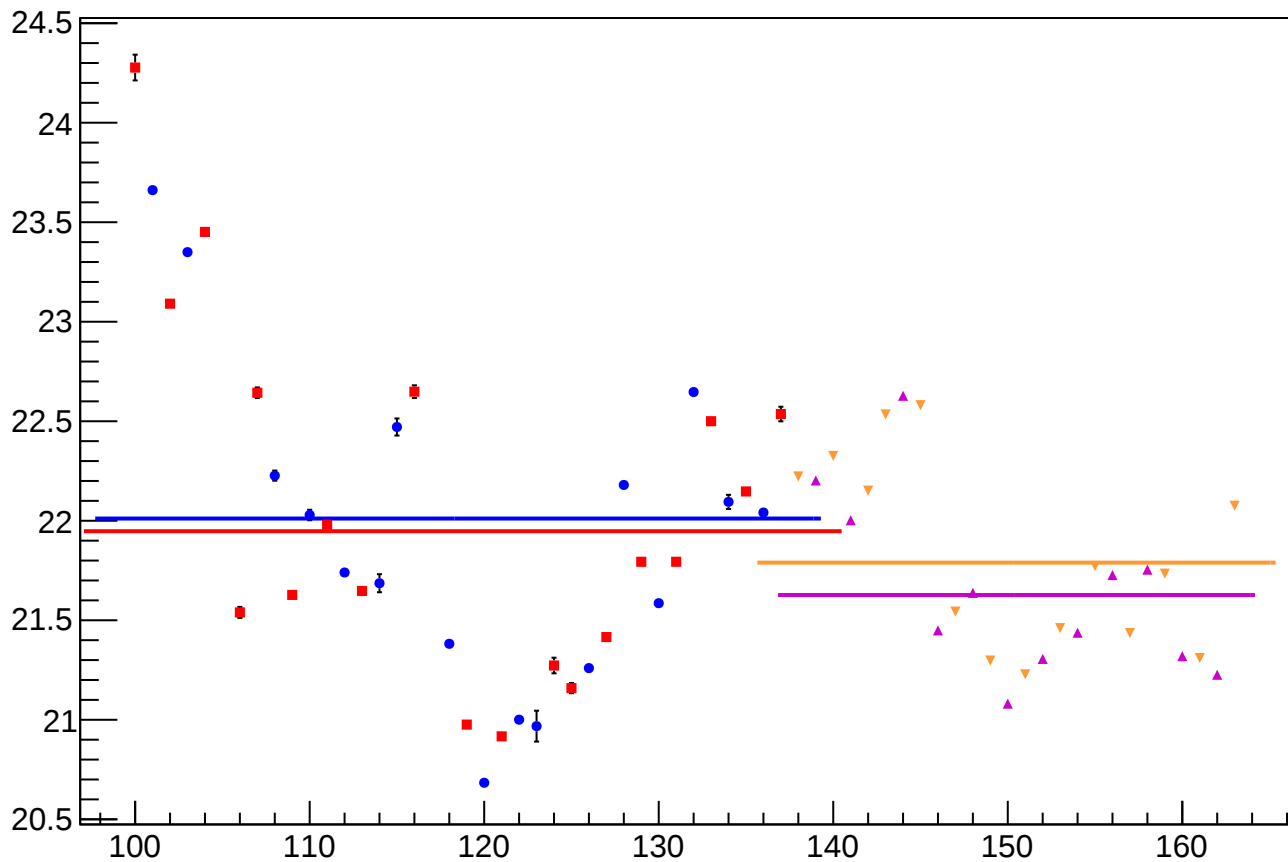
Right: -7.179 ± 5.900 χ^2/NDF : 34.1/35

In: -5.552 ± 5.371 χ^2/NDF : 30.5/28

Out: -16.712 ± 5.198 χ^2/NDF : 32.3/32

All: -11.314 ± 3.735 χ^2/NDF : 65.0/61

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.011+/-0.006 χ^2/NDF : 17546.9/16

Left Out: 21.790+/-0.005 χ^2/NDF : 9101.3/13

Right Out: 21.947+/-0.006 χ^2/NDF : 16592.7/18

Left In: 21.627+/-0.005 χ^2/NDF : 7513.0/11

Left: 21.711+/-0.003 χ^2/NDF : 17182.9/25

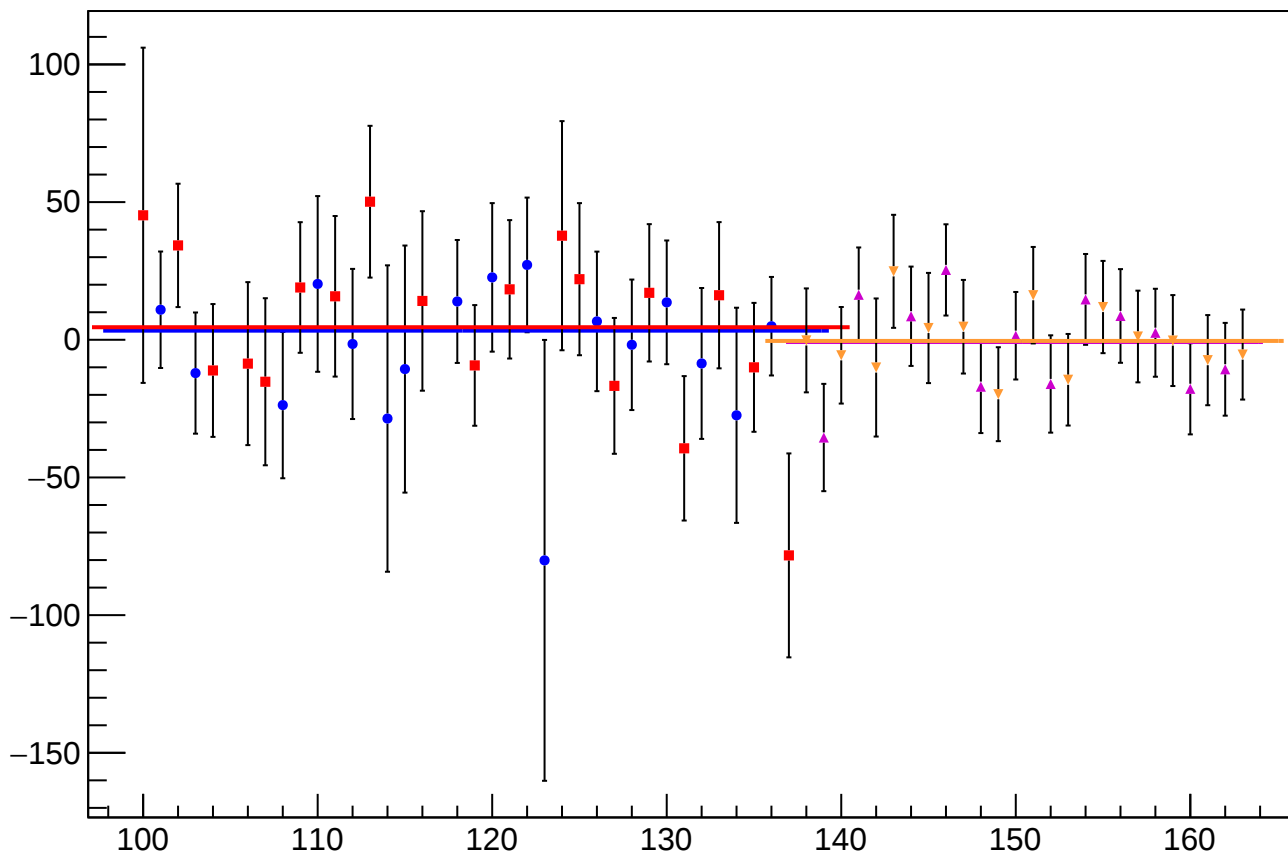
Right: 21.978+/-0.004 χ^2/NDF : 34197.9/35

In: 21.781+/-0.004 χ^2/NDF : 27518.5/28

Out: 21.853+/-0.004 χ^2/NDF : 26136.5/32

All: 21.818+/-0.003 χ^2/NDF : 53841.0/61

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.317 ± 6.388 $\chi^2/\text{NDF}: 6.3/16$

Left Out: -0.417 ± 4.735 $\chi^2/\text{NDF}: 5.6/13$

Right Out: 4.561 ± 6.244 $\chi^2/\text{NDF}: 17.7/18$

Left In: -0.813 ± 4.900 $\chi^2/\text{NDF}: 11.3/11$

Left: -0.608 ± 3.405 $\chi^2/\text{NDF}: 16.9/25$

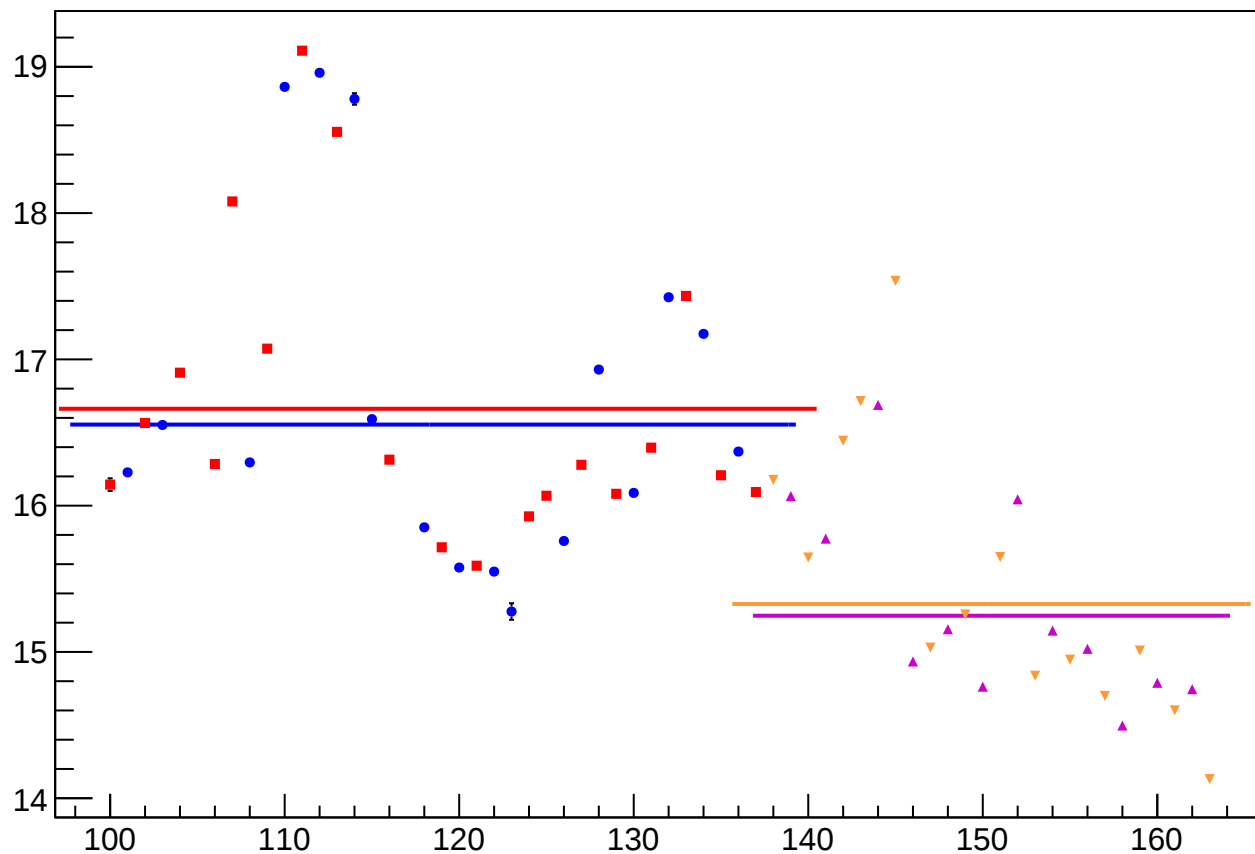
Right: 3.953 ± 4.465 $\chi^2/\text{NDF}: 24.0/35$

In: 0.717 ± 3.888 $\chi^2/\text{NDF}: 17.8/28$

Out: 1.401 ± 3.773 $\chi^2/\text{NDF}: 23.8/32$

All: 1.069 ± 2.708 $\chi^2/\text{NDF}: 41.6/61$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.554 $\pm$ 0.005 χ^2 /NDF: 44475.2/16

Left Out: 15.328 $\pm$ 0.003 χ^2 /NDF: 64547.2/13

Right Out: 16.662 $\pm$ 0.004 χ^2 /NDF: 43063.6/18

Left In: 15.248 $\pm$ 0.003 χ^2 /NDF: 33022.4/11

Left: 15.289 $\pm$ 0.002 χ^2 /NDF: 97847.8/25

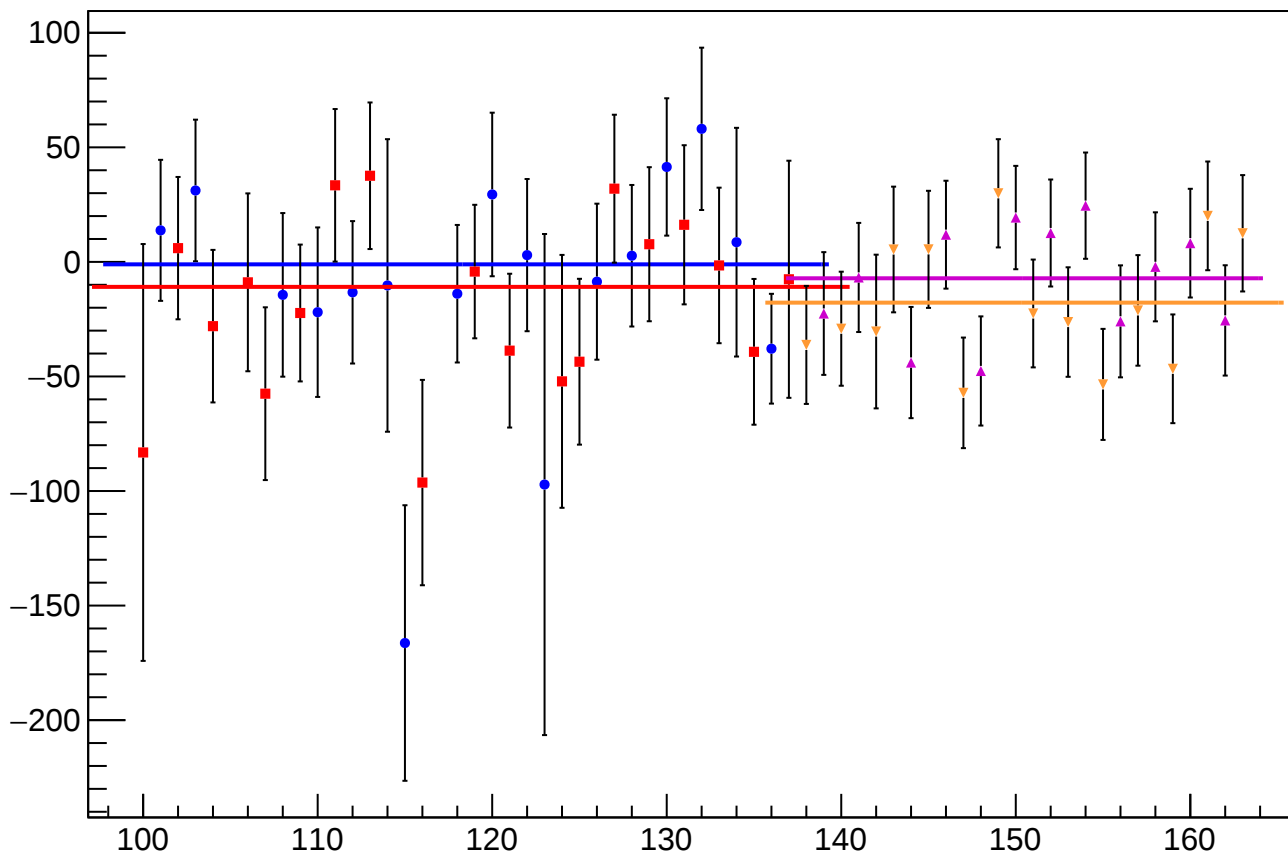
Right: 16.610 $\pm$ 0.003 χ^2 /NDF: 87830.7/35

In: 15.732 $\pm$ 0.003 χ^2 /NDF: 130186.7/28

Out: 15.815 $\pm$ 0.003 χ^2 /NDF: 165606.4/32

All: 15.775 $\pm$ 0.002 χ^2 /NDF: 296268.2/61

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.068 ± 8.444 χ^2/NDF : 18.5/16

Left Out: -17.785 ± 6.672 χ^2/NDF : 17.0/13

Right Out: -10.900 ± 8.169 χ^2/NDF : 16.2/18

Left In: -7.152 ± 6.897 χ^2/NDF : 11.8/11

Left: -12.645 ± 4.795 χ^2/NDF : 29.9/25

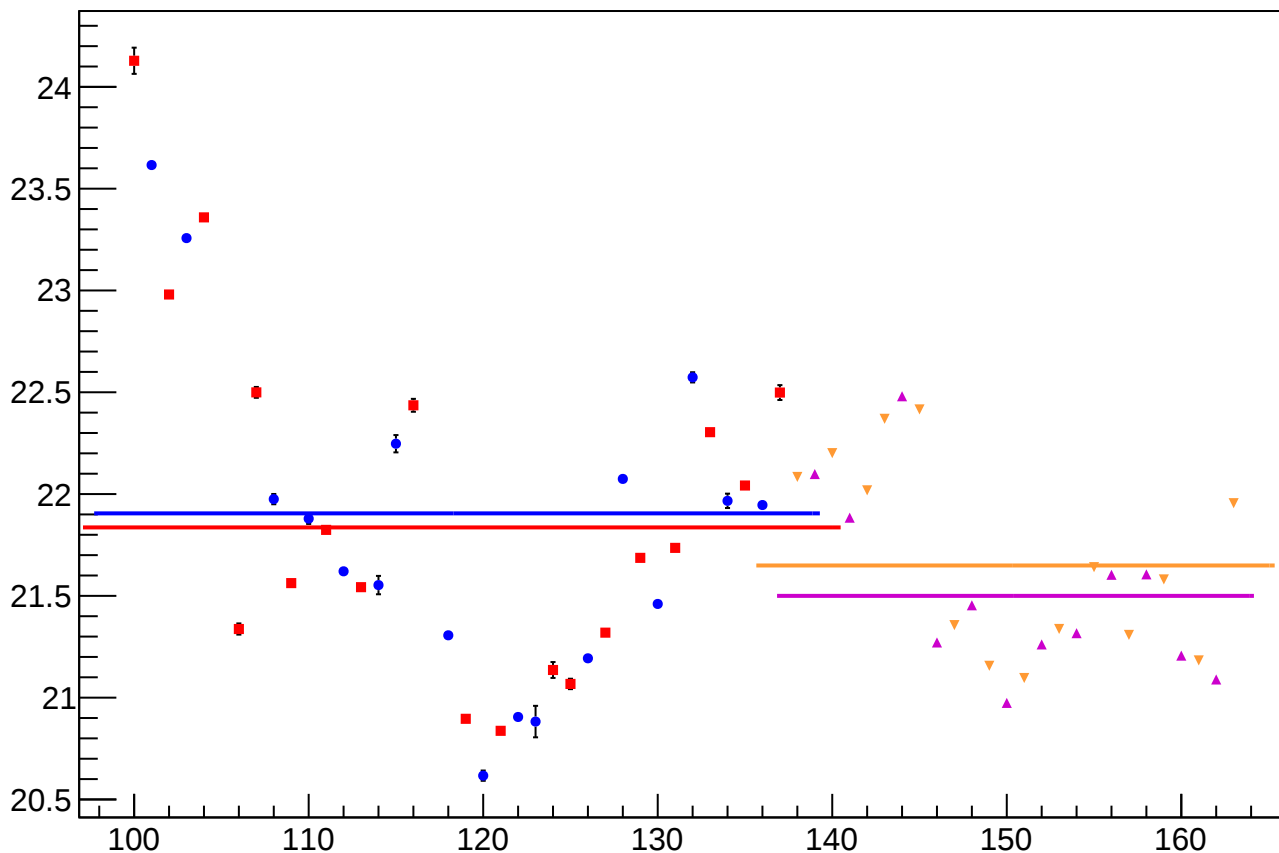
Right: -6.147 ± 5.871 χ^2/NDF : 35.4/35

In: -4.718 ± 5.342 χ^2/NDF : 30.5/28

Out: -15.030 ± 5.168 χ^2/NDF : 33.6/32

All: -10.045 ± 3.714 χ^2/NDF : 66.1/61

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.905 $\pm$ 0.006 χ^2 /NDF: 17794.2/16

Left Out: 21.649 $\pm$ 0.005 χ^2 /NDF: 9062.7/13

Right Out: 21.836 $\pm$ 0.006 χ^2 /NDF: 16251.2/18

Left In: 21.500 $\pm$ 0.005 χ^2 /NDF: 7360.9/11

Left: 21.577 $\pm$ 0.003 χ^2 /NDF: 16907.5/25

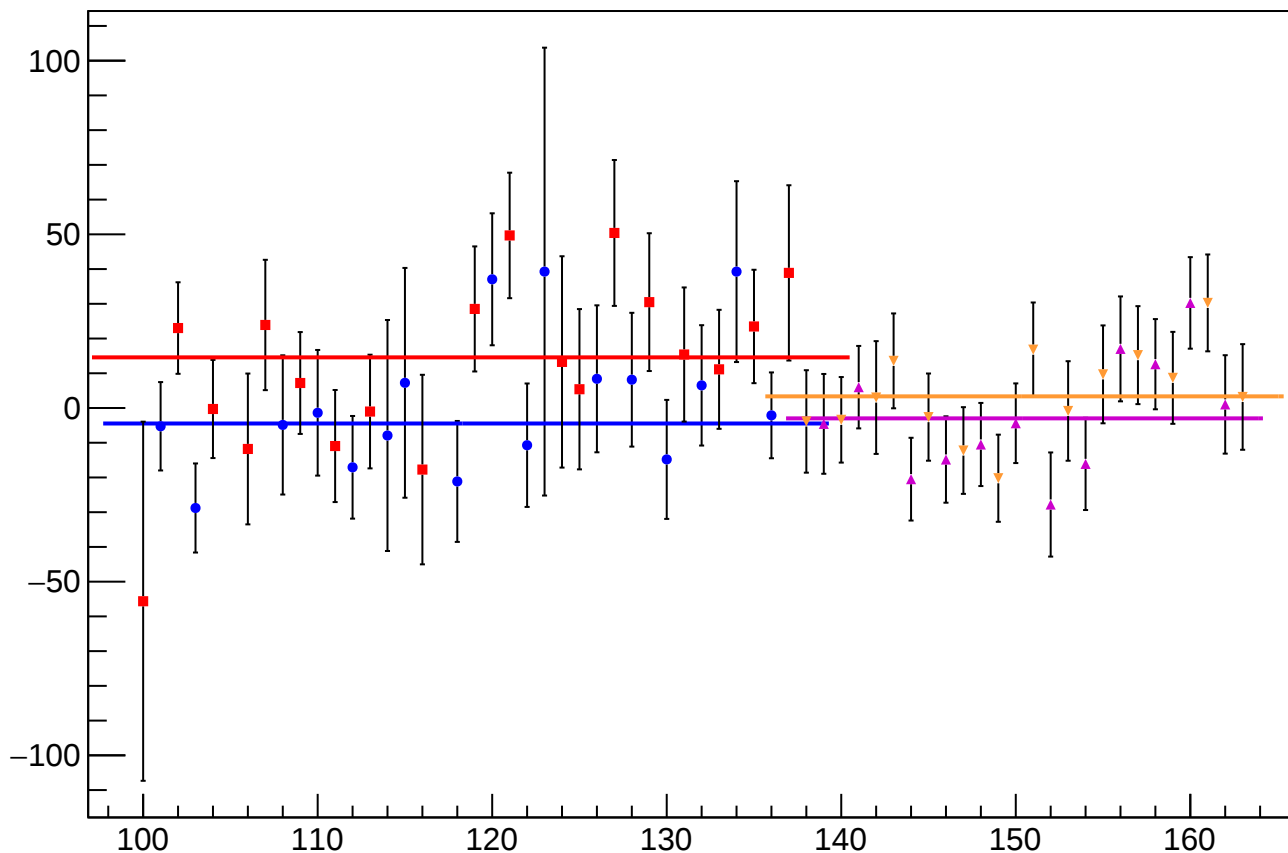
Right: 21.870 $\pm$ 0.004 χ^2 /NDF: 34114.4/35

In: 21.662 $\pm$ 0.004 χ^2 /NDF: 27917.7/28

Out: 21.724 $\pm$ 0.004 χ^2 /NDF: 25942.4/32

All: 21.694 $\pm$ 0.003 χ^2 /NDF: 53999.0/61

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.461 ± 4.329 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 3.352 ± 3.652 $\chi^2/\text{NDF}: 12.3/13$

Right Out: 14.579 ± 4.264 $\chi^2/\text{NDF}: 19.5/18$

Left In: -2.985 ± 3.747 $\chi^2/\text{NDF}: 17.4/11$

Left: 0.265 ± 2.615 $\chi^2/\text{NDF}: 31.2/25$

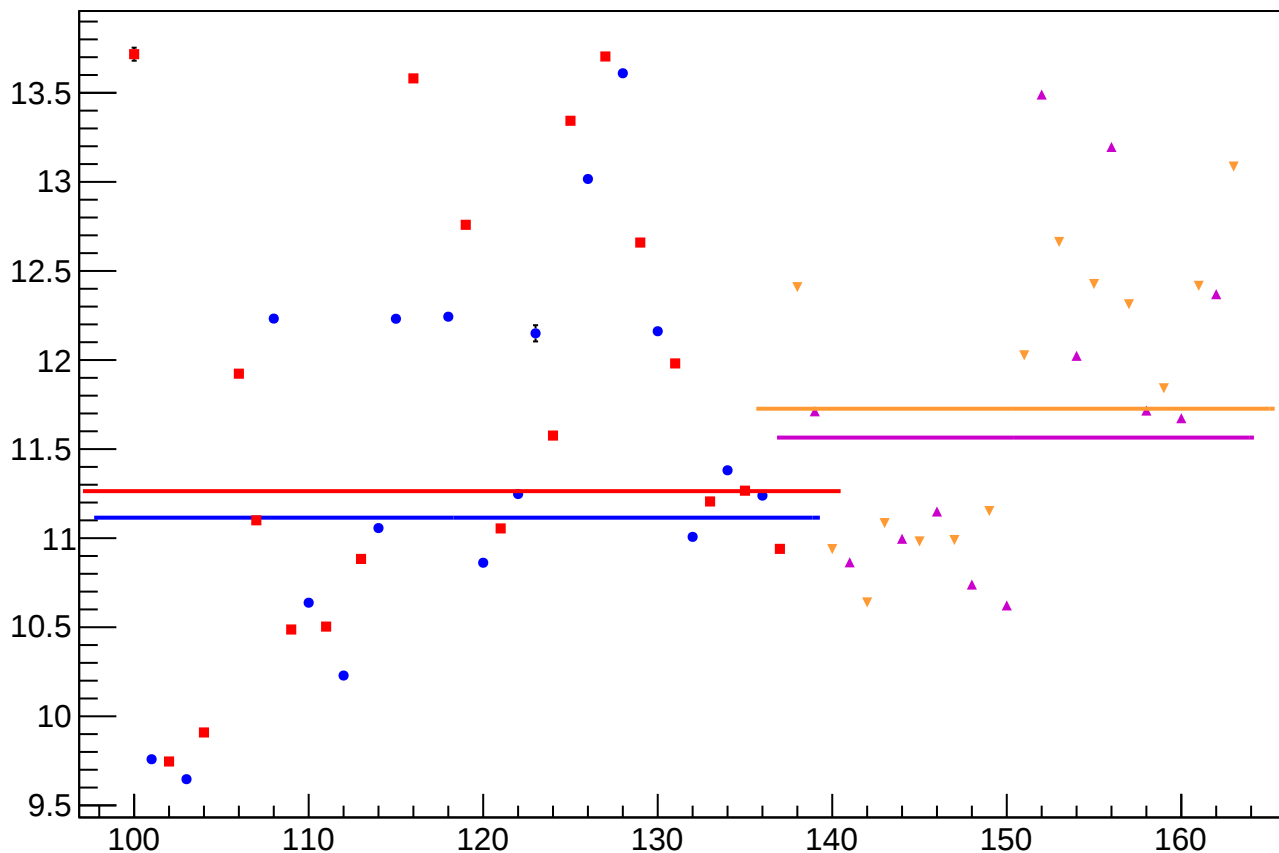
Right: 5.202 ± 3.038 $\chi^2/\text{NDF}: 44.5/35$

In: -3.617 ± 2.833 $\chi^2/\text{NDF}: 32.7/28$

Out: 8.102 ± 2.774 $\chi^2/\text{NDF}: 35.8/32$

All: 2.367 ± 1.982 $\chi^2/\text{NDF}: 77.2/61$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.115 $\pm$ 0.003 χ^2 /NDF: 133059.3/16

Left Out: 11.727 $\pm$ 0.003 χ^2 /NDF:83008.3/13

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

Left In: 11.565 $\pm$ 0.003 χ^2 /NDF:102549.5/11

Left: 11.648 $\pm$ 0.002 χ^2 /NDF: 187477.7/25

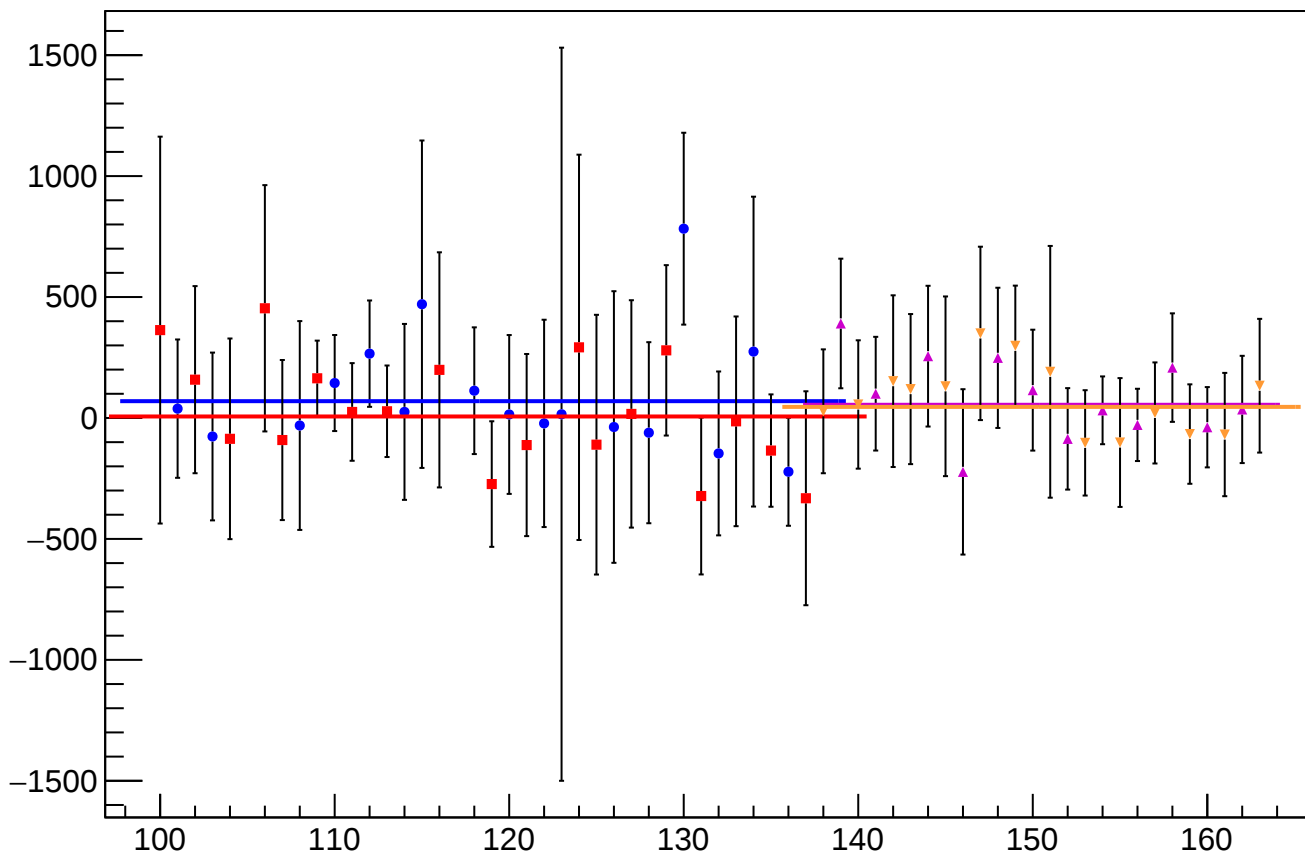
Right: 11.191 $\pm$ 0.002 χ^2 /NDF: 281744.0/35

In: 11.372 $\pm$ 0.002 χ^2 /NDF:247939.7/28

Out: 11.531 $\pm$ 0.002 χ^2 /NDF:244081.3/32

All: 11.453 $\pm$ 0.001 χ^2 /NDF: 495233.5/61

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.470 $\pm$ 79.231 χ^2 /NDF: 7.3/16

Left Out: 45.841 $\pm$ 72.002 χ^2 /NDF: 3.4/13

Right Out: 6.194 $\pm$ 70.182 χ^2 /NDF: 6.5/18

Left In: 54.504 $\pm$ 60.271 χ^2 /NDF: 4.8/11

Left: 50.935 $\pm$ 46.216 χ^2 /NDF: 8.3/25

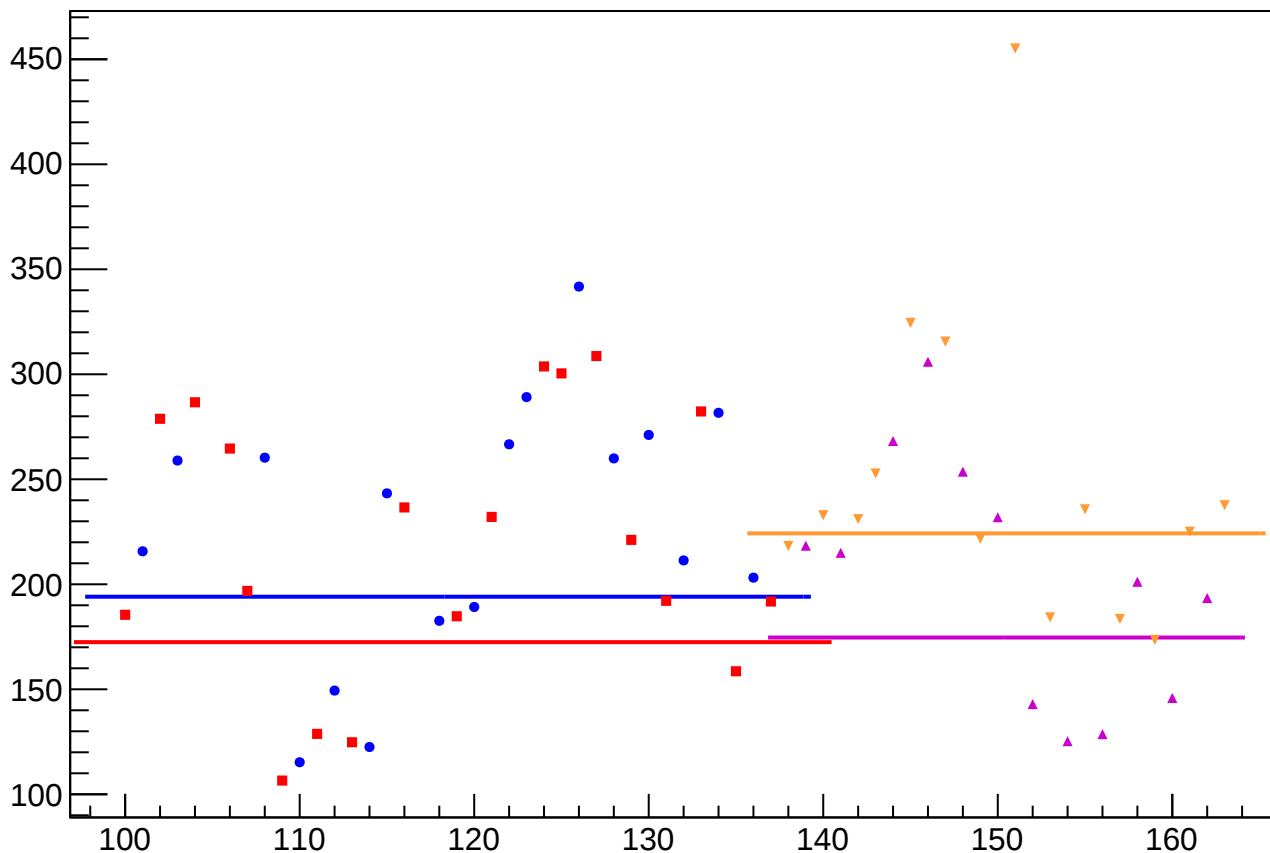
Right: 34.014 $\pm$ 52.536 χ^2 /NDF: 14.1/35

In: 59.990 $\pm$ 47.969 χ^2 /NDF: 12.1/28

Out: 25.510 $\pm$ 50.257 χ^2 /NDF: 10.1/32

All: 43.553 $\pm$ 34.700 χ^2 /NDF: 22.4/61

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.082 $\pm$ 0.056 χ^2 /NDF: 1005395.7/16

Left Out: 224.259 $\pm$ 0.051 χ^2 /NDF: 963901.9/13

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

Left In: 174.648 $\pm$ 0.043 χ^2 /NDF: 1453658.2/11

Left: 195.088 $\pm$ 0.033 χ^2 /NDF: 2975856.4/25

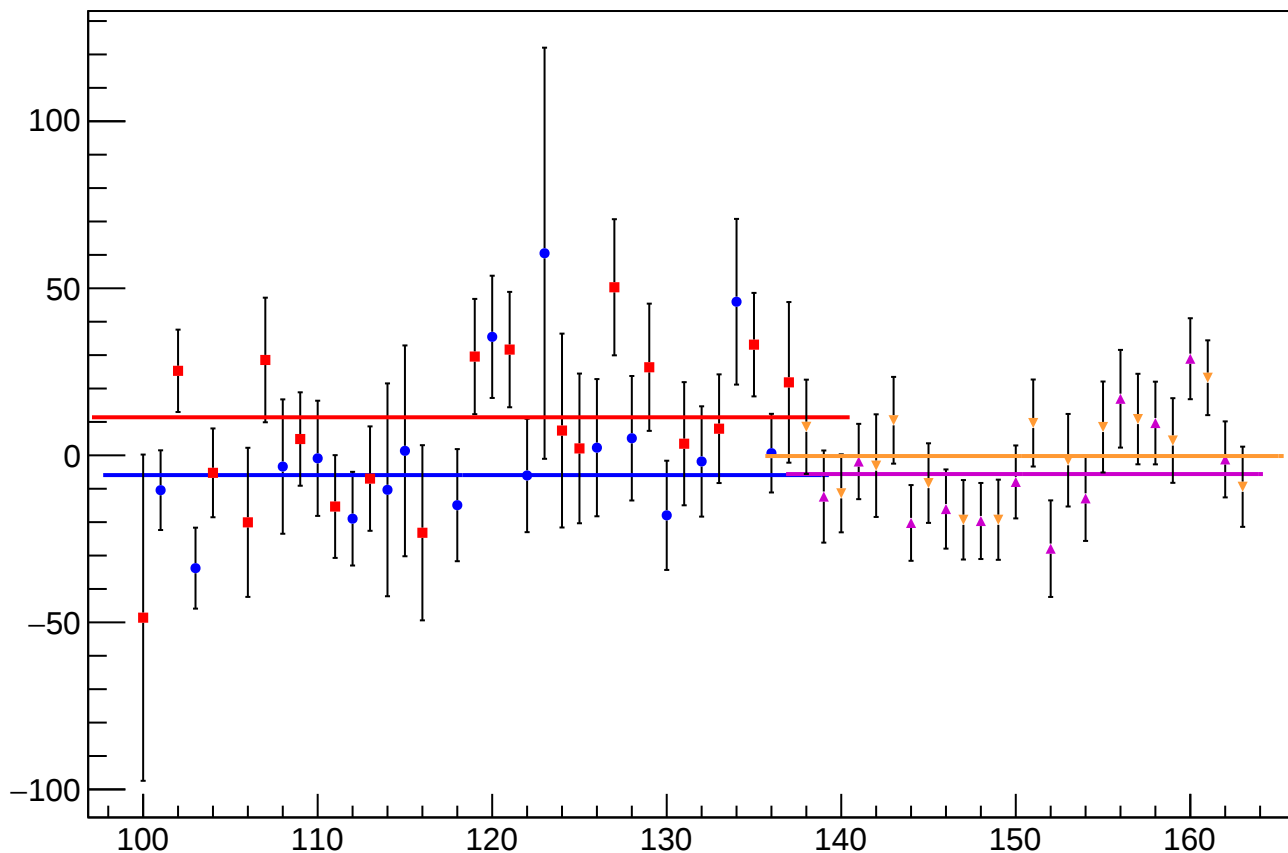
Right: 181.961 $\pm$ 0.037 χ^2 /NDF: 2658380.0/35

In: 181.771 $\pm$ 0.034 χ^2 /NDF: 2535270.6/28

Out: 197.692 $\pm$ 0.036 χ^2 /NDF: 3064324.9/32

All: 189.361 $\pm$ 0.025 χ^2 /NDF: 5704622.8/61

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.912 ± 4.133 χ^2/NDF : 18.8/16

Left Out: -0.209 ± 3.396 χ^2/NDF : 14.3/13

Right Out: 11.391 ± 4.079 χ^2/NDF : 22.9/18

Left In: -5.602 ± 3.518 χ^2/NDF : 19.2/11

Left: -2.811 ± 2.443 χ^2/NDF : 34.8/25

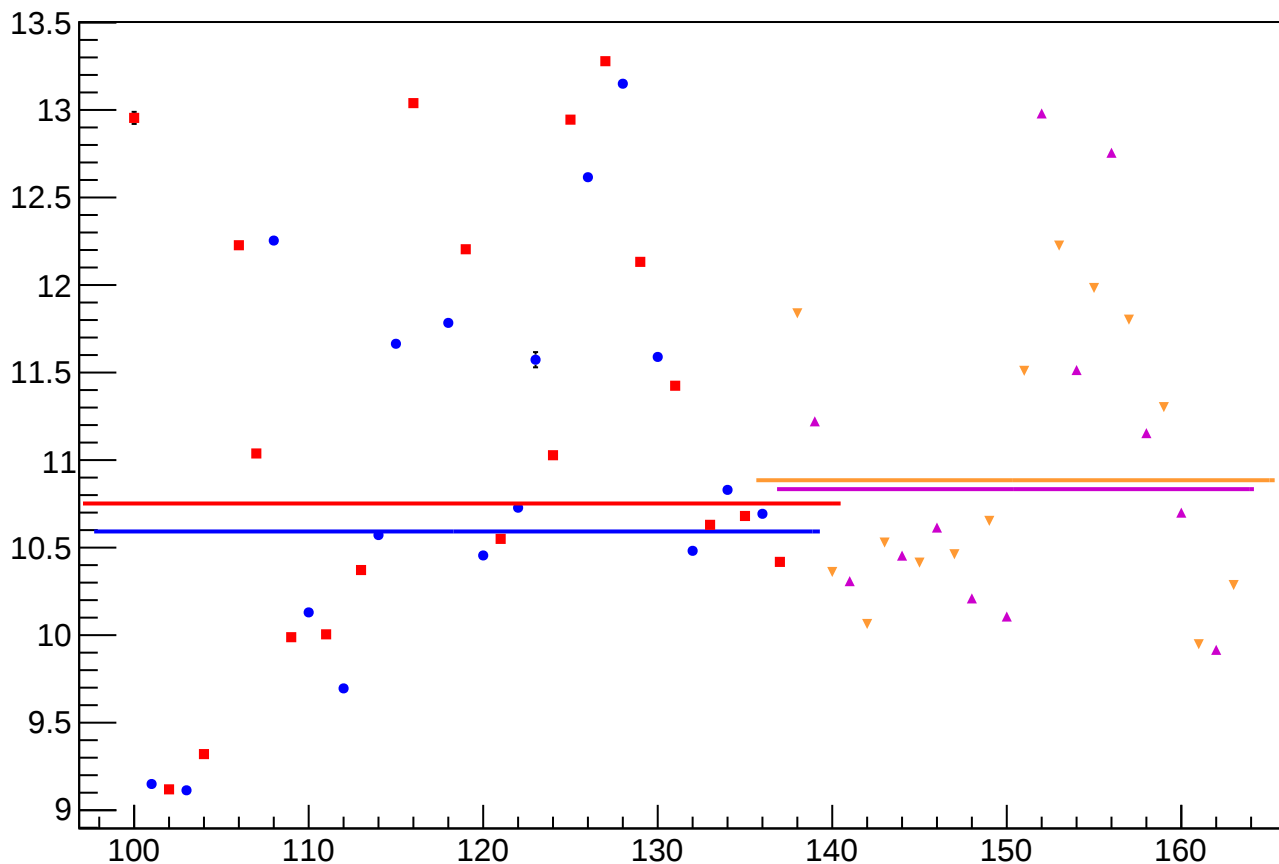
Right: 2.855 ± 2.903 χ^2/NDF : 50.6/35

In: -5.733 ± 2.679 χ^2/NDF : 38.1/28

Out: 4.541 ± 2.610 χ^2/NDF : 42.0/32

All: -0.462 ± 1.869 χ^2/NDF : 87.6/61

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.592 $\pm$ 0.003 χ^2 /NDF: 160397.9/16

Left Out: 10.885 $\pm$ 0.002 χ^2 /NDF: 93431.0/13

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 176895.3/18

Left In: 10.834 $\pm$ 0.002 χ^2 /NDF: 122677.4/11

Left: 10.860 $\pm$ 0.002 χ^2 /NDF: 216325.3/25

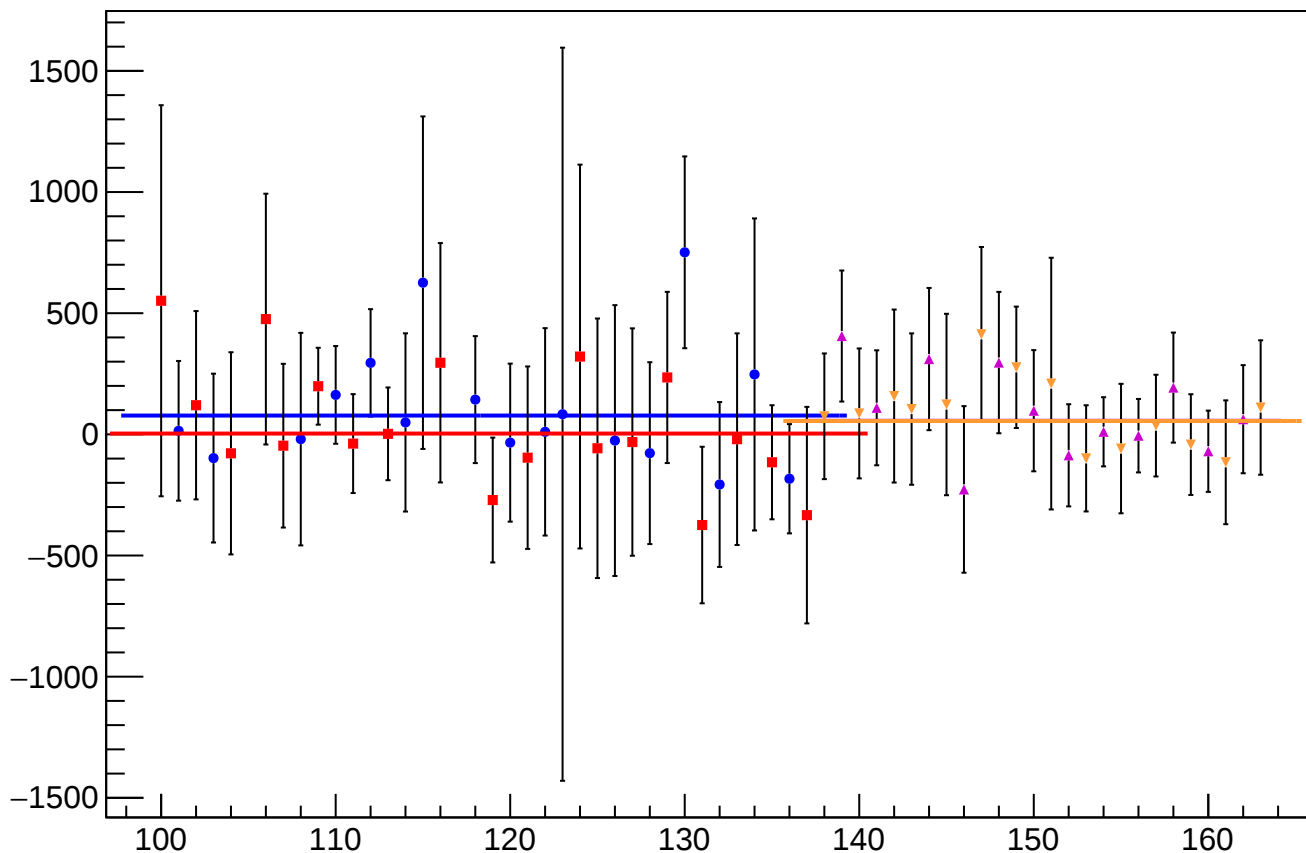
Right: 10.673 $\pm$ 0.002 χ^2 /NDF: 338807.3/35

In: 10.732 $\pm$ 0.002 χ^2 /NDF: 287043.4/28

Out: 10.830 $\pm$ 0.002 χ^2 /NDF: 271580.3/32

All: 10.783 $\pm$ 0.001 χ^2 /NDF: 559998.1/61

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 77.589 $\pm$ 79.751 χ^2 /NDF: 7.6/16

Left Out: 55.160 $\pm$ 72.481 χ^2 /NDF: 3.4/13

Right Out: 3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

Left In: 55.978 $\pm$ 60.926 χ^2 /NDF: 5.5/11

Left: 55.639 $\pm$ 46.638 χ^2 /NDF: 8.9/25

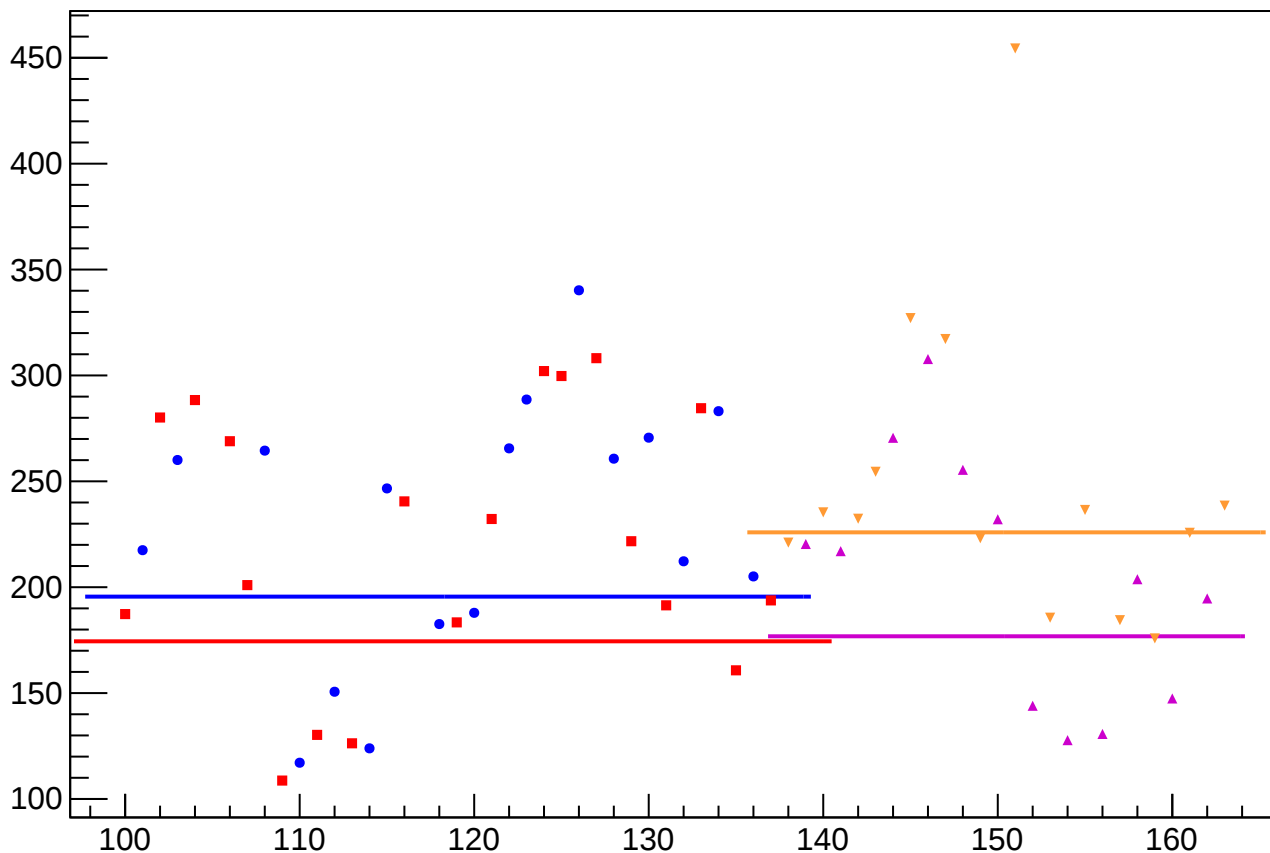
Right: 36.075 $\pm$ 52.969 χ^2 /NDF: 15.4/35

In: 63.943 $\pm$ 48.415 χ^2 /NDF: 13.1/28

Out: 28.645 $\pm$ 50.667 χ^2 /NDF: 11.0/32

All: 47.096 $\pm$ 35.004 χ^2 /NDF: 24.4/61

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.551+/-0.056 χ^2/NDF : 979937.7/16

Left Out: 225.905+/-0.051 χ^2/NDF : 951639.0/13

Right Out: 174.449+/-0.050 χ^2/NDF : 1528629.1/18

Left In: 176.823+/-0.043 χ^2/NDF : 1418414.9/11

Left: 197.145+/-0.033 χ^2/NDF : 2907448.0/25

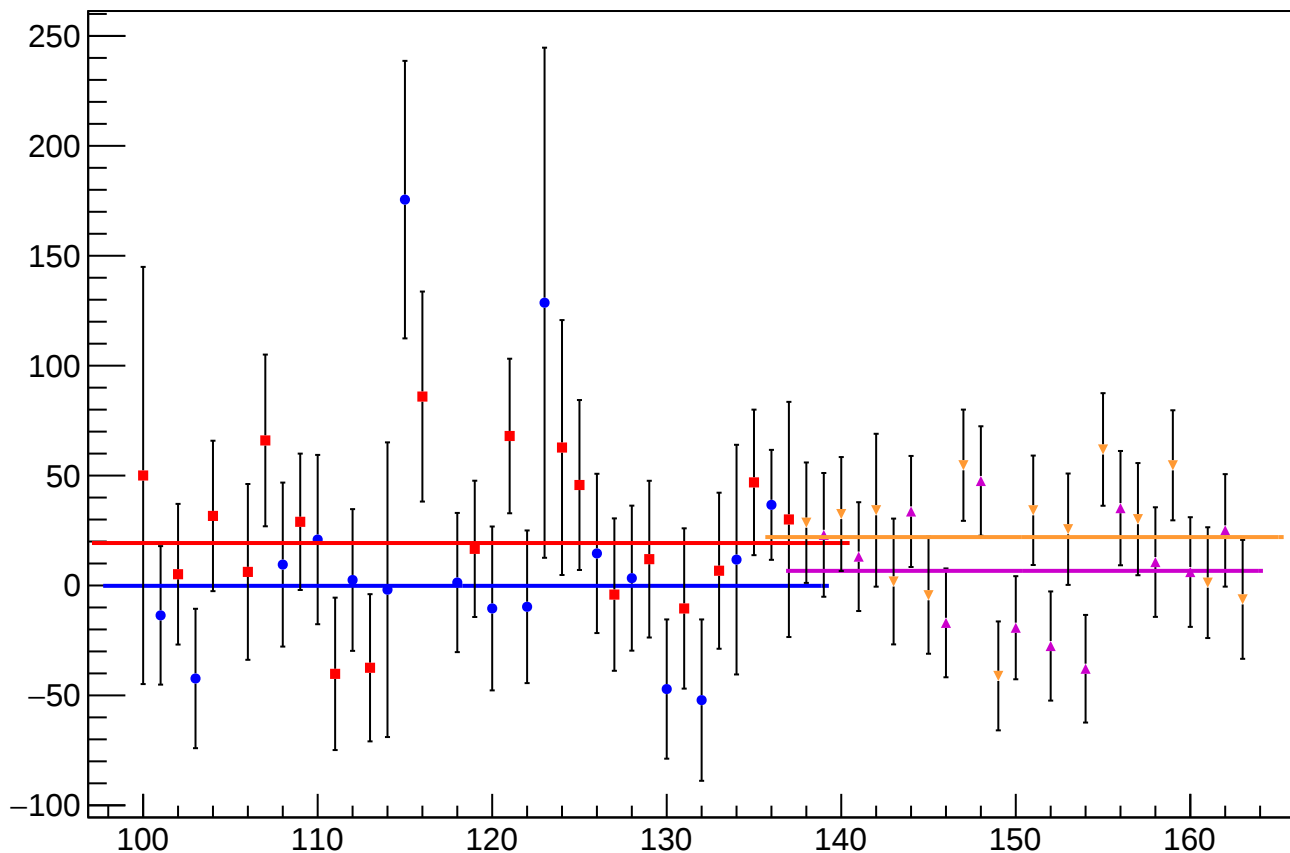
Right: 183.758+/-0.037 χ^2/NDF : 2586820.6/35

In: 183.725+/-0.034 χ^2/NDF : 2467995.9/28

Out: 199.593+/-0.036 χ^2/NDF : 2995687.9/32

All: 191.299+/-0.025 χ^2/NDF : 5566225.5/61

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.158 ± 8.826 χ^2/NDF : 18.1/16

Left Out: 22.018 ± 7.029 χ^2/NDF : 16.3/13

Right Out: 19.316 ± 8.554 χ^2/NDF : 14.8/18

Left In: 6.656 ± 7.248 χ^2/NDF : 13.3/11

Left: 14.573 ± 5.046 χ^2/NDF : 31.9/25

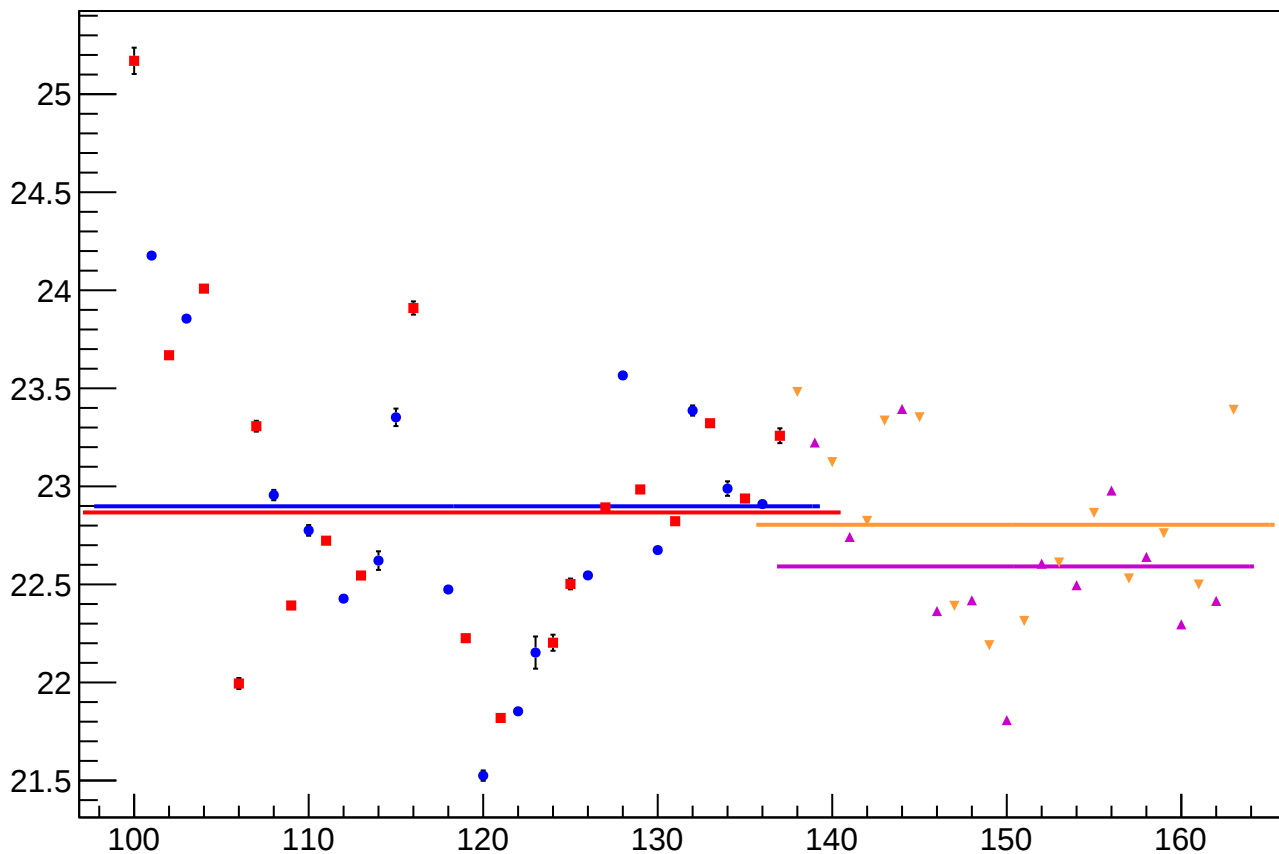
Right: 9.884 ± 6.142 χ^2/NDF : 35.4/35

In: 3.912 ± 5.601 χ^2/NDF : 31.7/28

Out: 20.929 ± 5.431 χ^2/NDF : 31.1/32

All: 12.684 ± 3.899 χ^2/NDF : 67.6/61

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.898 $\pm$ 0.006 χ^2 /NDF: 12143.3/16

Left Out: 22.804 $\pm$ 0.005 χ^2 /NDF: 7198.1/13

Right Out: 22.867 $\pm$ 0.006 χ^2 /NDF: 11048.4/18

Left In: 22.592 $\pm$ 0.005 χ^2 /NDF: 6457.8/11

Left: 22.701 $\pm$ 0.004 χ^2 /NDF: 14542.7/25

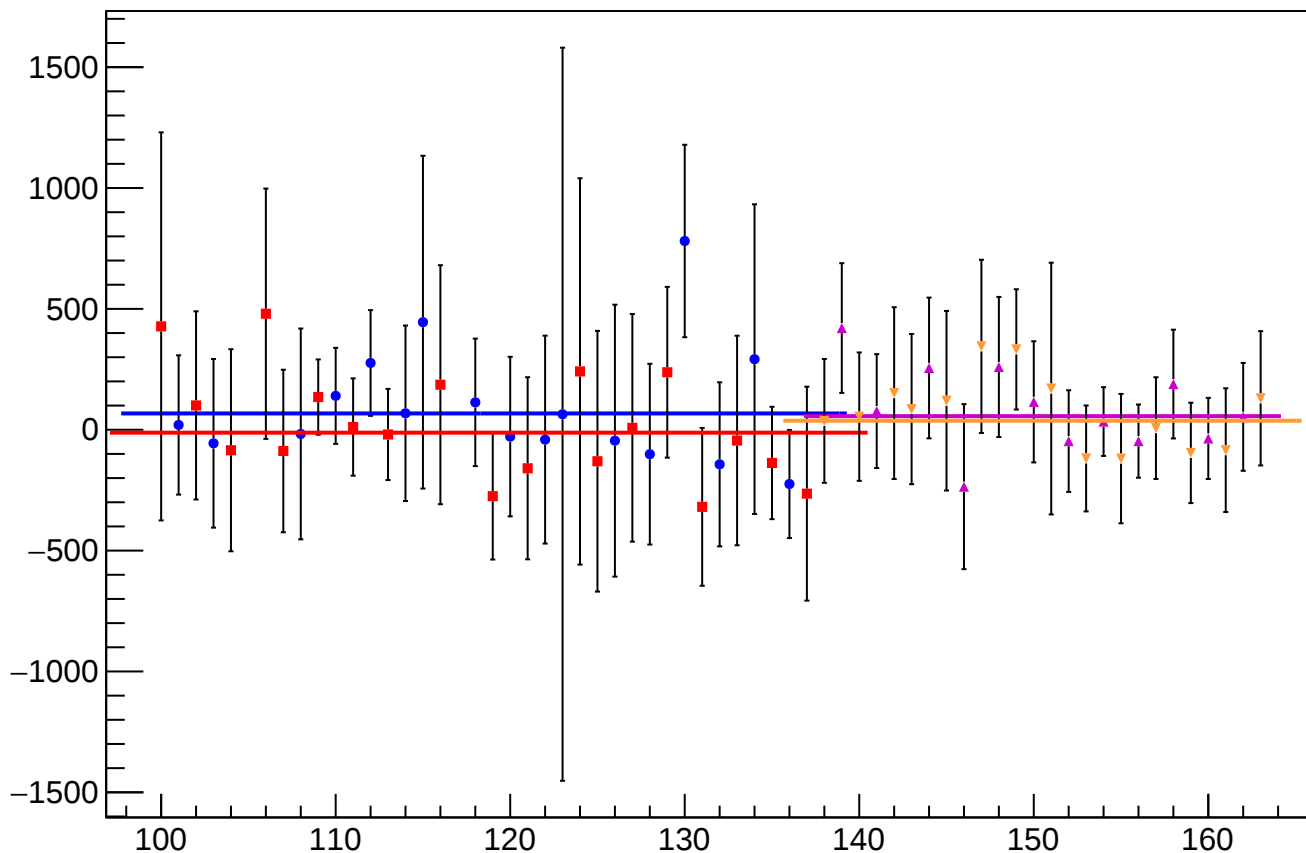
Right: 22.882 $\pm$ 0.004 χ^2 /NDF: 23204.7/35

In: 22.715 $\pm$ 0.004 χ^2 /NDF: 20043.1/28

Out: 22.830 $\pm$ 0.004 χ^2 /NDF: 18310.7/32

All: 22.774 $\pm$ 0.003 χ^2 /NDF: 38783.6/61

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.449 $\pm$ 79.404 χ^2 /NDF: 7.4/16

Left Out: 37.366 $\pm$ 72.285 χ^2 /NDF:4.0/13

Right Out: -12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

Left In: 56.213 $\pm$ 60.723 χ^2 /NDF:5.0/11

Left: 48.416 $\pm$ 46.495 χ^2 /NDF: 9.0/25

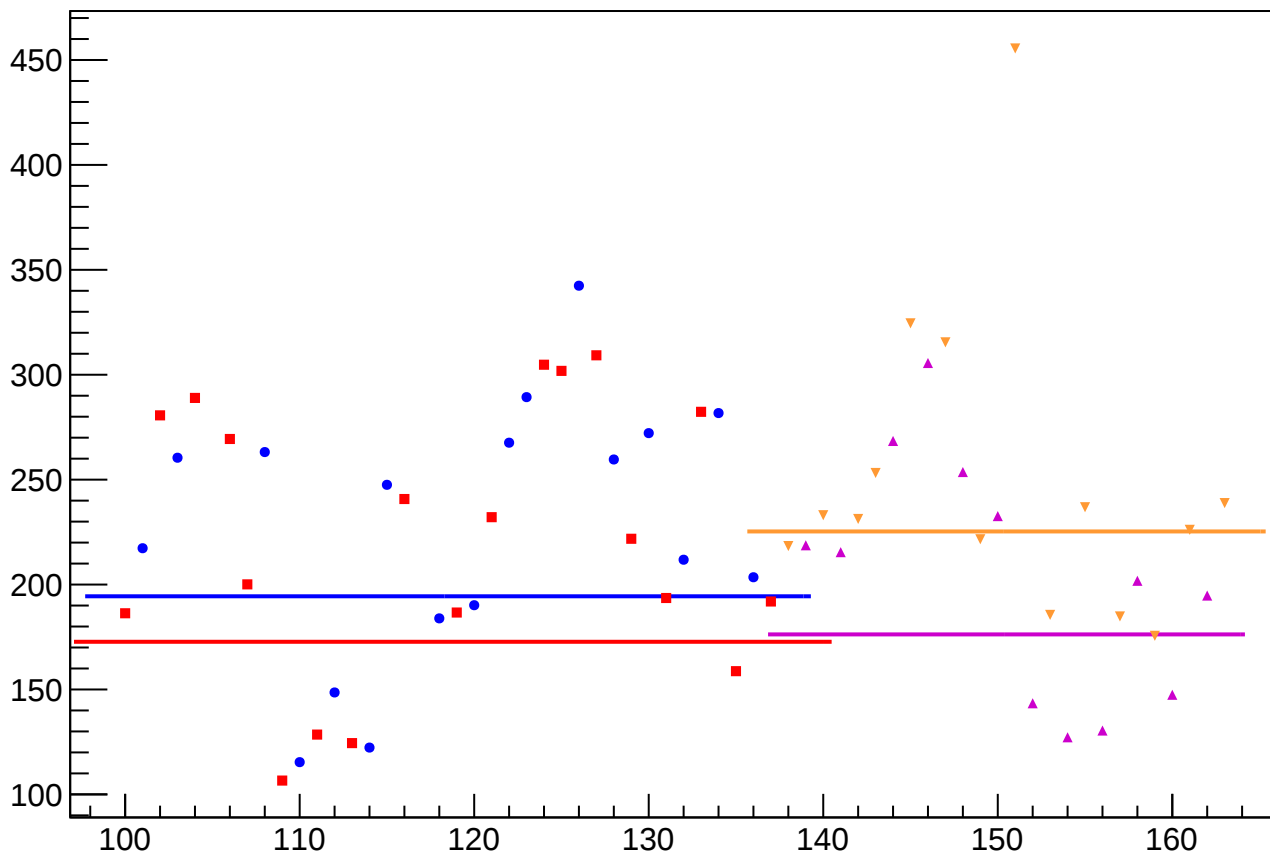
Right: 22.875 $\pm$ 52.659 χ^2 /NDF: 13.7/35

In: 60.359 $\pm$ 48.235 χ^2 /NDF:12.4/28

Out: 11.955 $\pm$ 50.417 χ^2 /NDF:10.0/32

All: 37.227 $\pm$ 34.853 χ^2 /NDF: 22.9/61

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.411+/-0.056 χ^2/NDF : 1019913.2/16

Left Out: 225.313+/-0.051 χ^2/NDF : 943474.4/13

Right Out: 172.730+/-0.050 χ^2/NDF : 1596758.0/18

Left In: 176.247+/-0.043 χ^2/NDF : 1405024.8/11

Left: 196.546+/-0.033 χ^2/NDF : 2888745.1/25

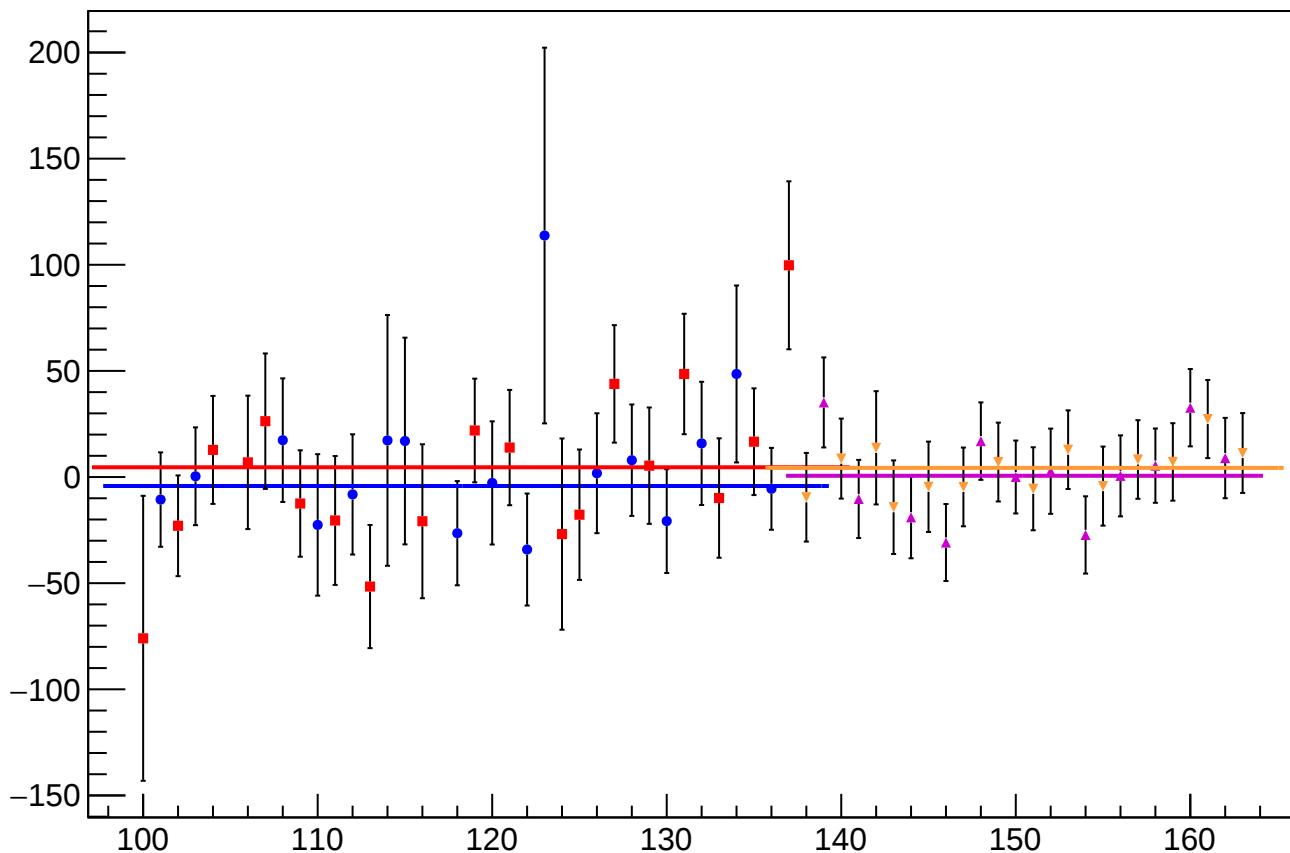
Right: 182.265+/-0.037 χ^2/NDF : 2700196.8/35

In: 182.949+/-0.034 χ^2/NDF : 2490972.5/28

Out: 198.310+/-0.036 χ^2/NDF : 3083703.3/32

All: 190.290+/-0.025 χ^2/NDF : 5671603.2/61

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.223+/-6.871 χ^2/NDF : 8.0/16

Left Out: 4.320+/-5.220 χ^2/NDF : 4.2/13

Right Out: 4.599+/-6.725 χ^2/NDF : 21.1/18

Left In: 0.601+/-5.375 χ^2/NDF : 13.6/11

Left: 2.515+/-3.745 χ^2/NDF : 18.0/25

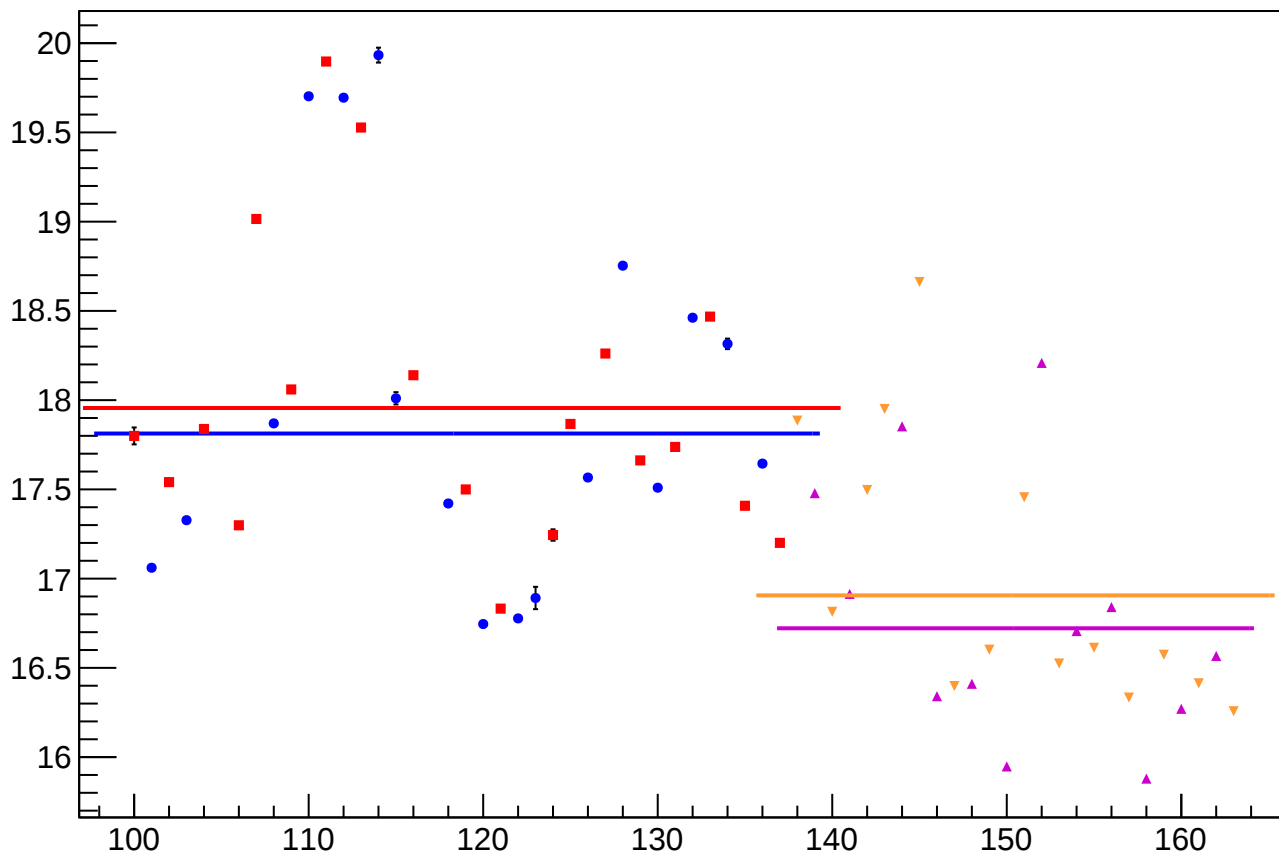
Right: 0.283+/-4.806 χ^2/NDF : 29.9/35

In: -1.230+/-4.234 χ^2/NDF : 21.9/28

Out: 4.425+/-4.124 χ^2/NDF : 25.3/32

All: 1.672+/-2.954 χ^2/NDF : 48.1/61

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.813 $\pm$ 0.005 χ^2 /NDF: 32034.8/16

Left Out: 16.906 $\pm$ 0.004 χ^2 /NDF:34870.7/13

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25445.3/18

Left In: 16.722 $\pm$ 0.004 χ^2 /NDF:32206.1/11

Left: 16.817 $\pm$ 0.003 χ^2 /NDF: 68287.7/25

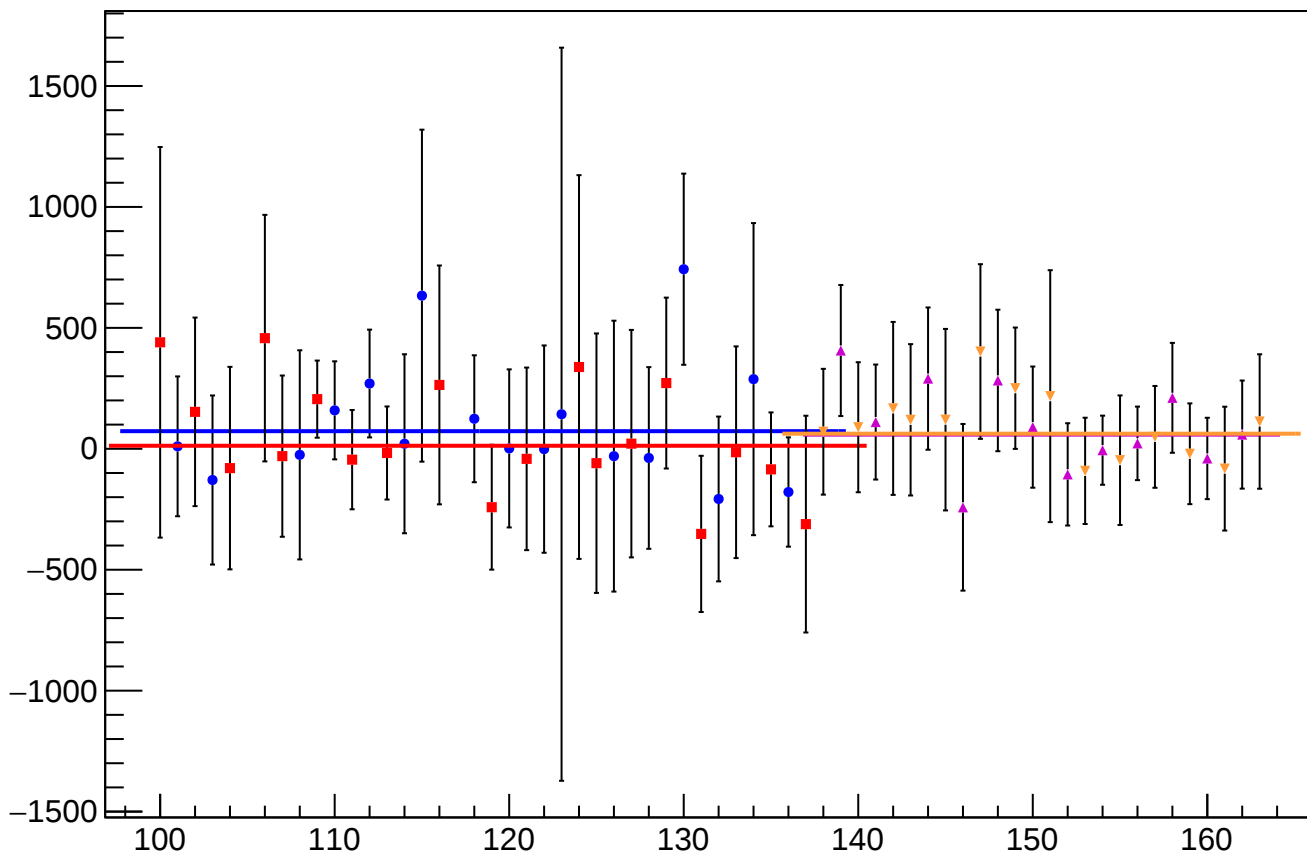
Right: 17.886 $\pm$ 0.003 χ^2 /NDF: 57922.3/35

In: 17.136 $\pm$ 0.003 χ^2 /NDF:95532.4/28

Out: 17.301 $\pm$ 0.003 χ^2 /NDF:90729.8/32

All: 17.221 $\pm$ 0.002 χ^2 /NDF: 187818.1/61

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 72.888+/-79.948 χ^2/NDF : 7.2/16

Left Out: 62.449+/-72.646 χ^2/NDF : 2.9/13

Right Out: 12.565+/-71.013 χ^2/NDF : 6.7/18

Left In: 58.576+/-61.050 χ^2/NDF : 5.3/11

Left: 60.179+/-46.738 χ^2/NDF : 8.2/25

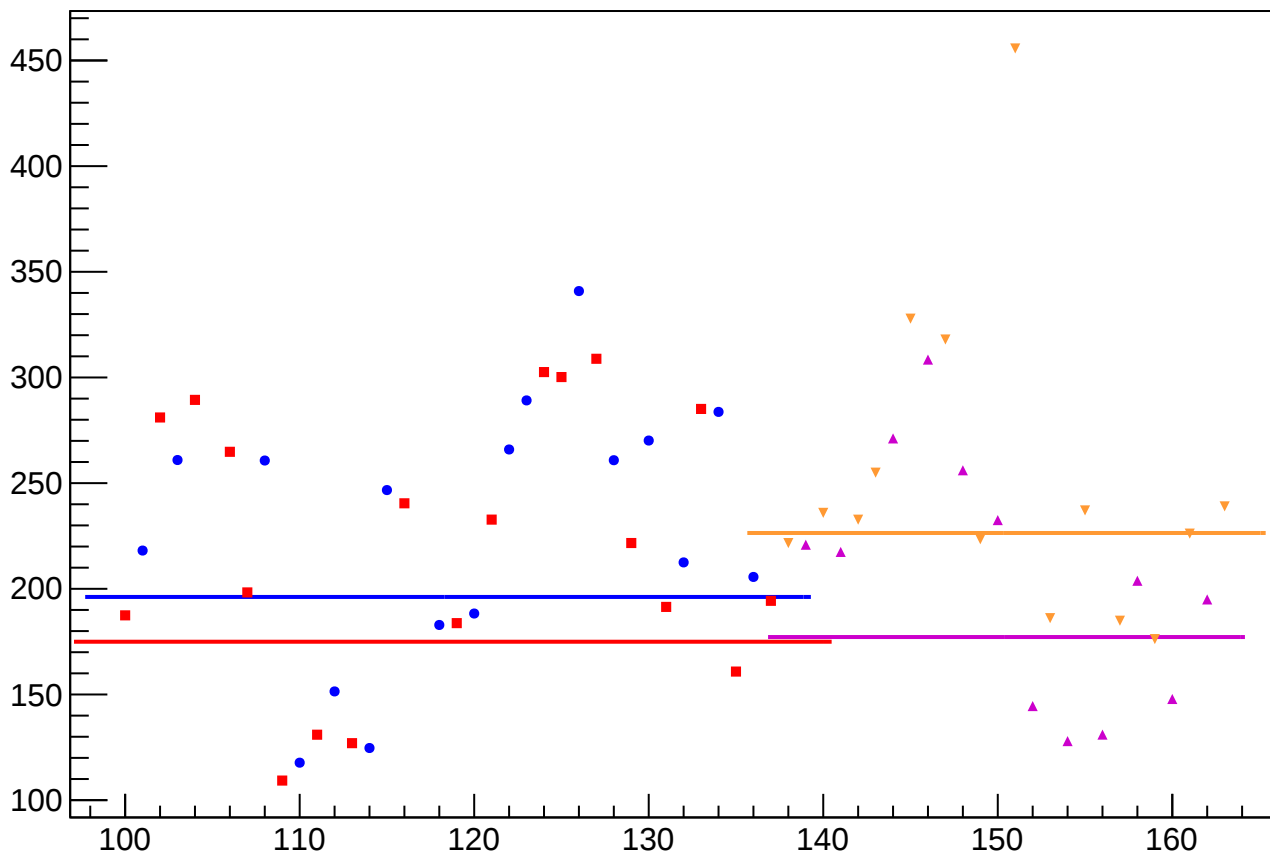
Right: 39.168+/-53.093 χ^2/NDF : 14.3/35

In: 63.848+/-48.521 χ^2/NDF : 12.6/28

Out: 36.940+/-50.781 χ^2/NDF : 9.8/32

All: 51.006+/-35.081 χ^2/NDF : 22.6/61

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.151+/-0.057 χ^2/NDF : 964998.4/16

Left Out: 226.418+/-0.051 χ^2/NDF : 951533.7/13

Right Out: 174.965+/-0.050 χ^2/NDF : 1510956.5/18

Left In: 177.185+/-0.043 χ^2/NDF : 1417705.1/11

Left: 197.563+/-0.033 χ^2/NDF : 2907613.1/25

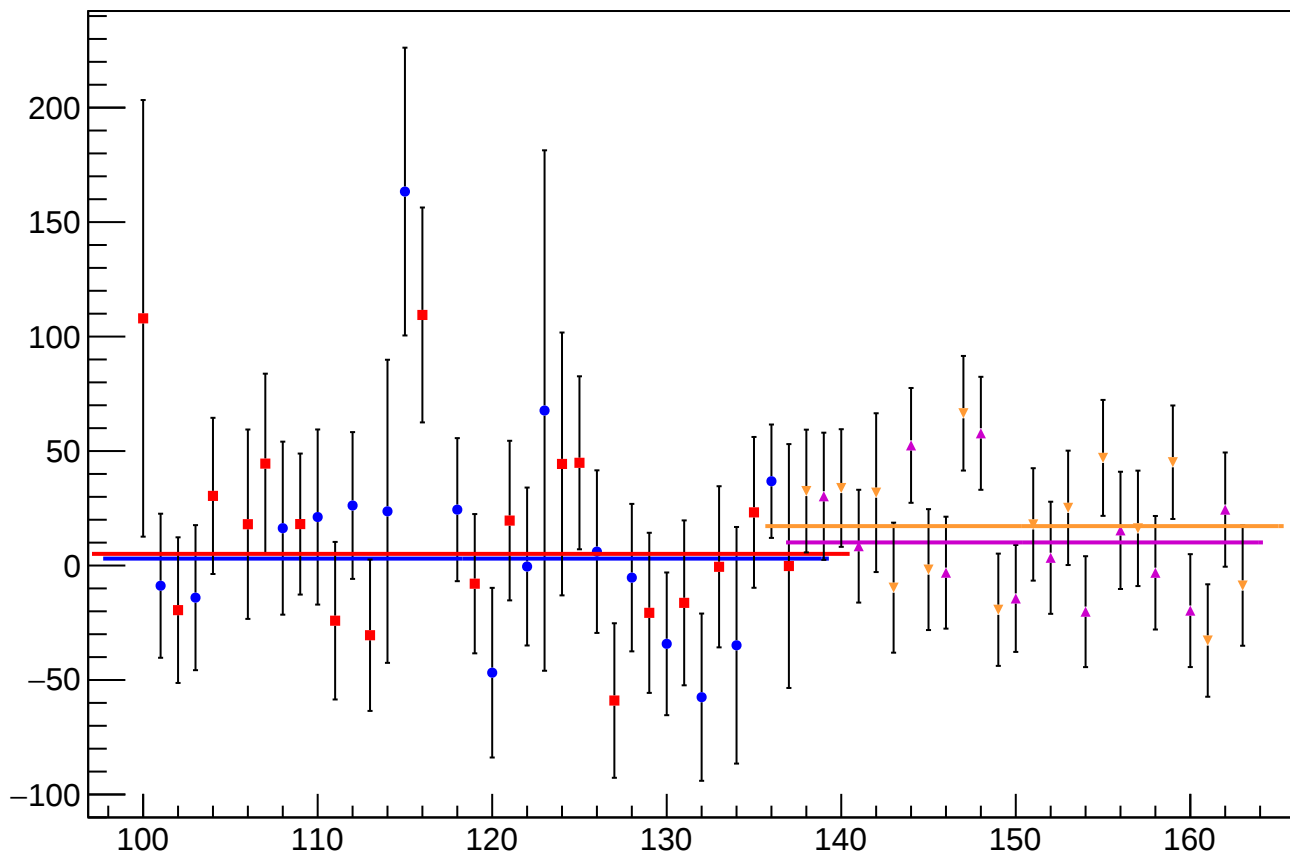
Right: 184.308+/-0.038 χ^2/NDF : 2554463.3/35

In: 184.171+/-0.034 χ^2/NDF : 2453801.7/28

Out: 200.107+/-0.036 χ^2/NDF : 2975546.6/32

All: 191.776+/-0.025 χ^2/NDF : 5532308.7/61

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.022 ± 8.751 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 17.214 ± 6.934 $\chi^2/\text{NDF}: 16.3/13$

Right Out: 5.092 ± 8.477 $\chi^2/\text{NDF}: 17.2/18$

Left In: 10.088 ± 7.169 $\chi^2/\text{NDF}: 12.3/11$

Left: 13.769 ± 4.984 $\chi^2/\text{NDF}: 29.1/25$

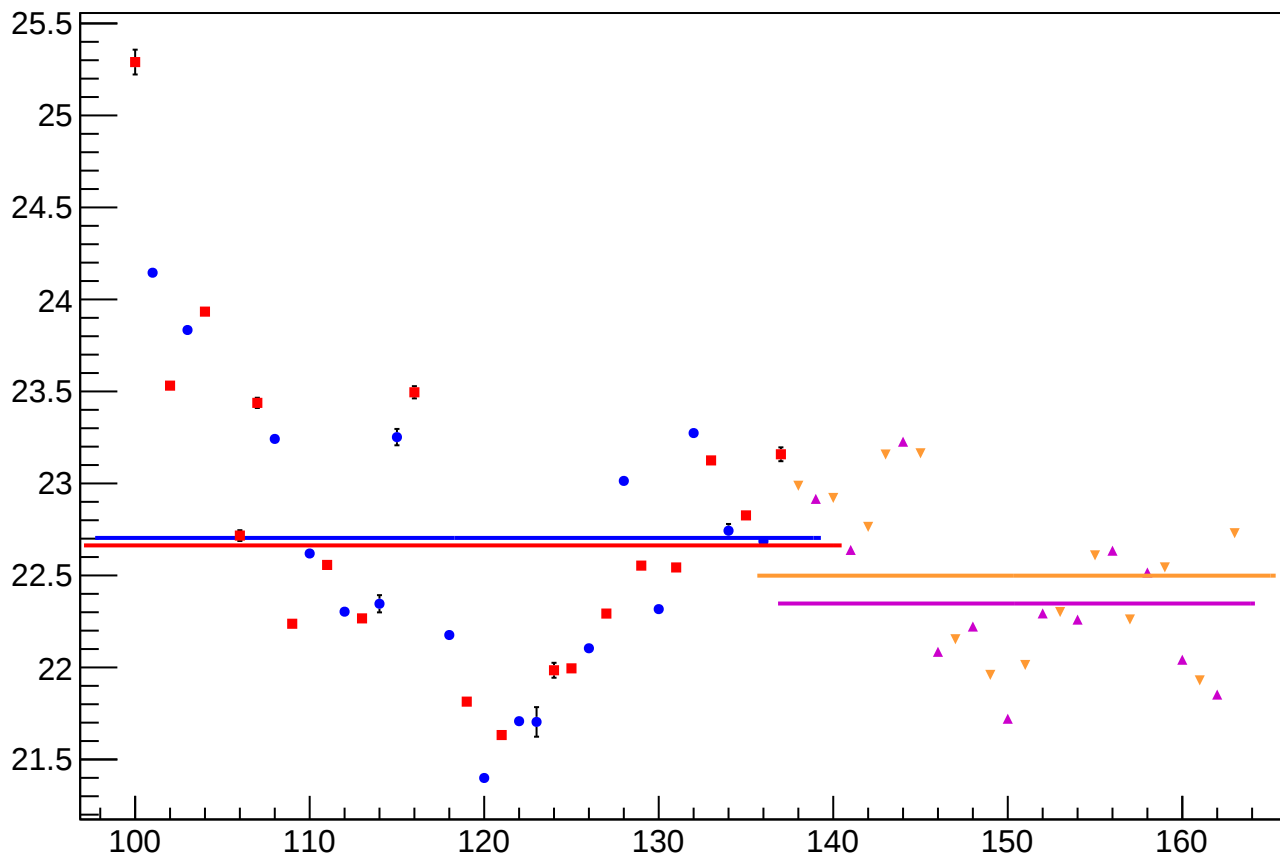
Right: 4.090 ± 6.089 $\chi^2/\text{NDF}: 34.4/35$

In: 7.250 ± 5.546 $\chi^2/\text{NDF}: 29.8/28$

Out: 12.355 ± 5.367 $\chi^2/\text{NDF}: 34.7/32$

All: 9.886 ± 3.857 $\chi^2/\text{NDF}: 65.0/61$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.704 $\pm$ 0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.499 $\pm$ 0.005 χ^2 /NDF: 7371.5/13

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

Left In: 22.347 $\pm$ 0.005 χ^2 /NDF: 6770.0/11

Left: 22.426 $\pm$ 0.004 χ^2 /NDF: 14602.5/25

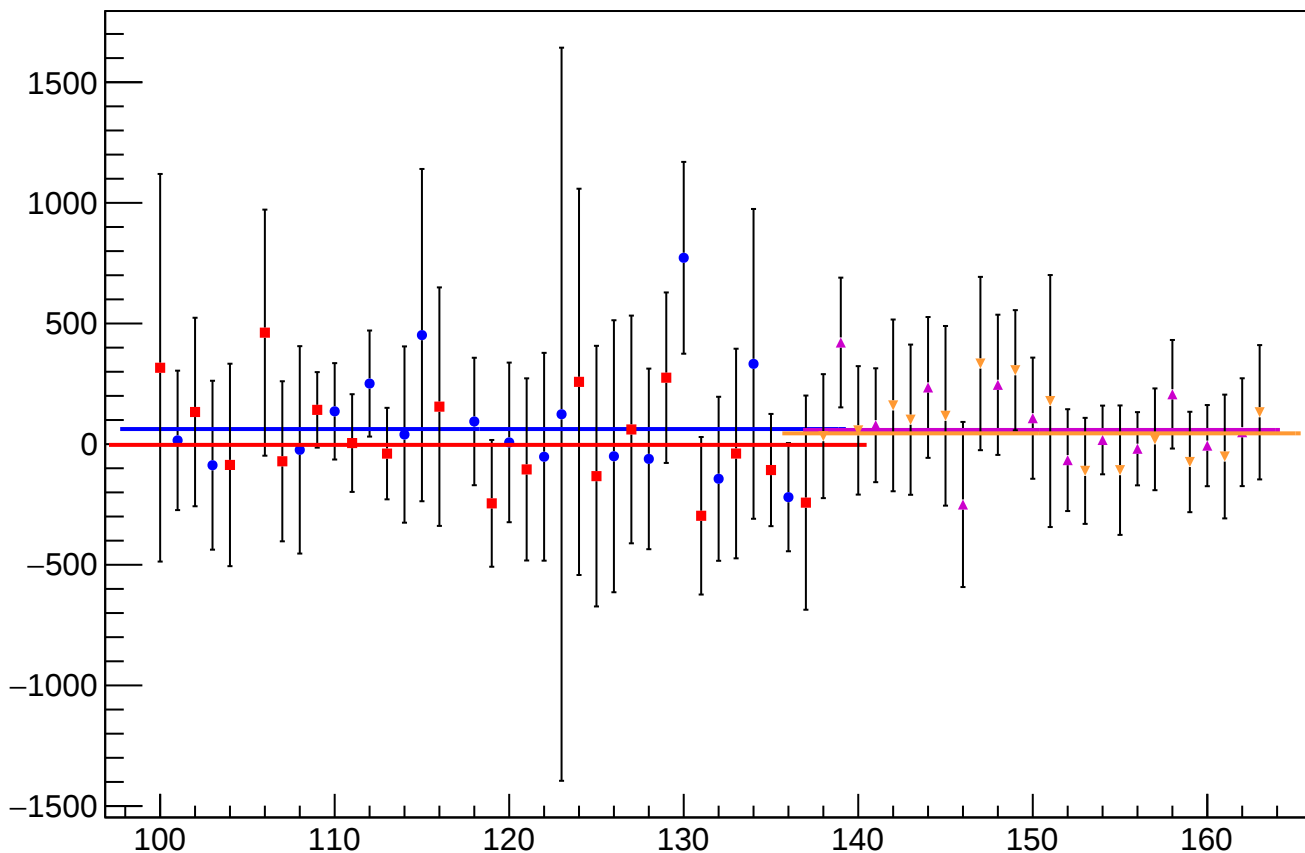
Right: 22.683 $\pm$ 0.004 χ^2 /NDF: 27071.5/35

In: 22.491 $\pm$ 0.004 χ^2 /NDF: 22862.0/28

Out: 22.565 $\pm$ 0.004 χ^2 /NDF: 20765.3/32

All: 22.529 $\pm$ 0.003 χ^2 /NDF: 43811.9/61

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 62.573 $\pm$ 79.605 χ^2 /NDF: 7.0/16

Left Out: 44.739 $\pm$ 72.450 χ^2 /NDF:3.4/13

Right Out: -3.038 $\pm$ 70.518 χ^2 /NDF: 5.2/18

Left In: 58.763 $\pm$ 60.846 χ^2 /NDF:4.7/11

Left: 52.962 $\pm$ 46.594 χ^2 /NDF: 8.2/25

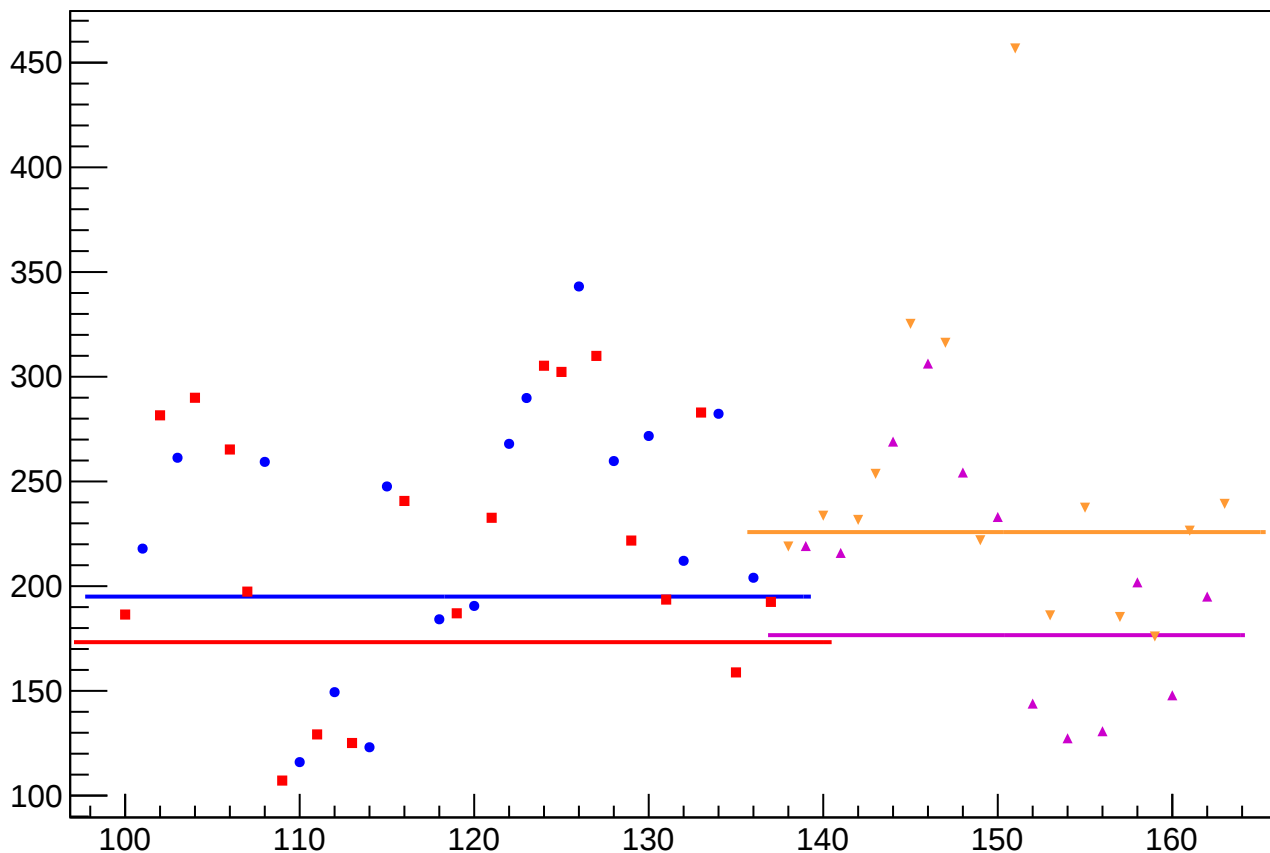
Right: 25.811 $\pm$ 52.785 χ^2 /NDF: 12.6/35

In: 60.168 $\pm$ 48.342 χ^2 /NDF:11.8/28

Out: 20.205 $\pm$ 50.533 χ^2 /NDF:8.9/32

All: 41.071 $\pm$ 34.932 χ^2 /NDF: 20.9/61

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.022+/-0.056 χ^2/NDF : 1004284.9/16

Left Out: 225.824+/-0.051 χ^2/NDF : 943390.4/13

Right Out: 173.262+/-0.050 χ^2/NDF : 1578202.7/18

Left In: 176.607+/-0.043 χ^2/NDF : 1404404.1/11

Left: 196.964+/-0.033 χ^2/NDF : 2889016.9/25

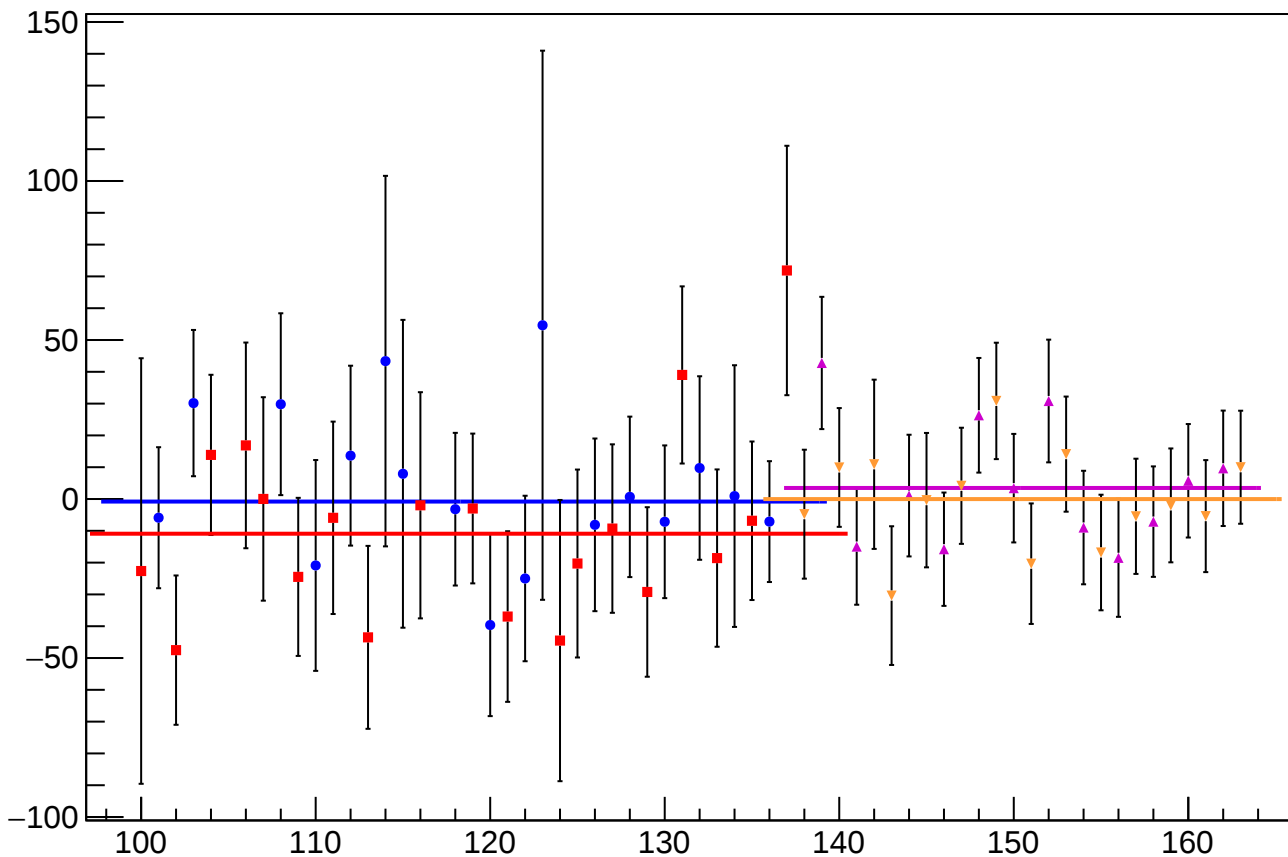
Right: 182.829+/-0.037 χ^2/NDF : 2666222.6/35

In: 183.398+/-0.034 χ^2/NDF : 2476243.9/28

Out: 198.833+/-0.036 χ^2/NDF : 3062172.4/32

All: 190.774+/-0.025 χ^2/NDF : 5635838.2/61

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.801 ± 6.770 χ^2/NDF : 7.8/16

Left Out: -0.023 ± 5.099 χ^2/NDF : 8.5/13

Right Out: -10.912 ± 6.626 χ^2/NDF : 15.9/18

Left In: 3.475 ± 5.276 χ^2/NDF : 11.8/11

Left: 1.666 ± 3.667 χ^2/NDF : 20.5/25

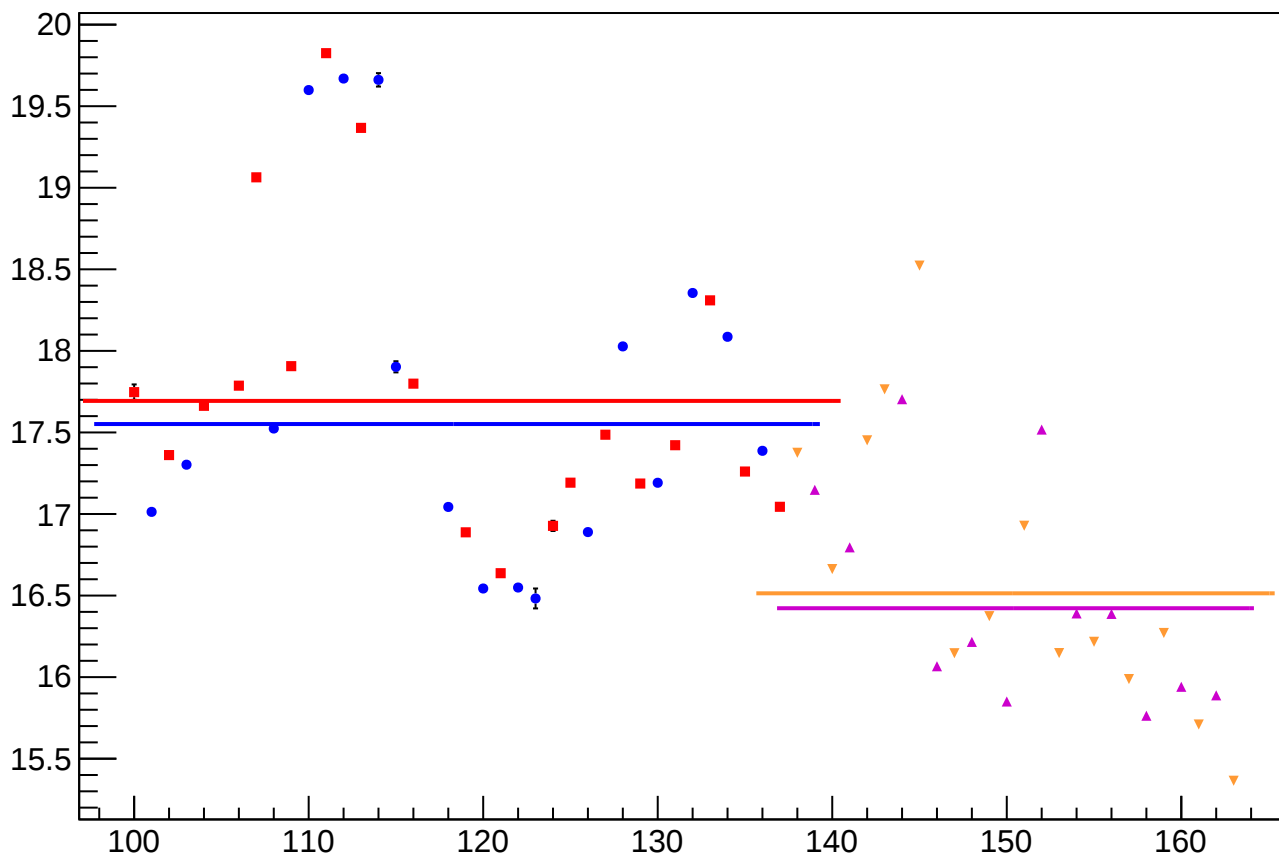
Right: -5.965 ± 4.735 χ^2/NDF : 24.8/35

In: 1.859 ± 4.162 χ^2/NDF : 19.8/28

Out: -4.072 ± 4.041 χ^2/NDF : 26.1/32

All: -1.194 ± 2.899 χ^2/NDF : 46.9/61

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.552 $\pm$ 0.005 χ^2 /NDF: 34027.1/16

Left Out: 16.514 $\pm$ 0.004 χ^2 /NDF: 48693.7/13

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30742.0/18

Left In: 16.422 $\pm$ 0.004 χ^2 /NDF: 28074.7/11

Left: 16.470 $\pm$ 0.003 χ^2 /NDF: 77078.9/25

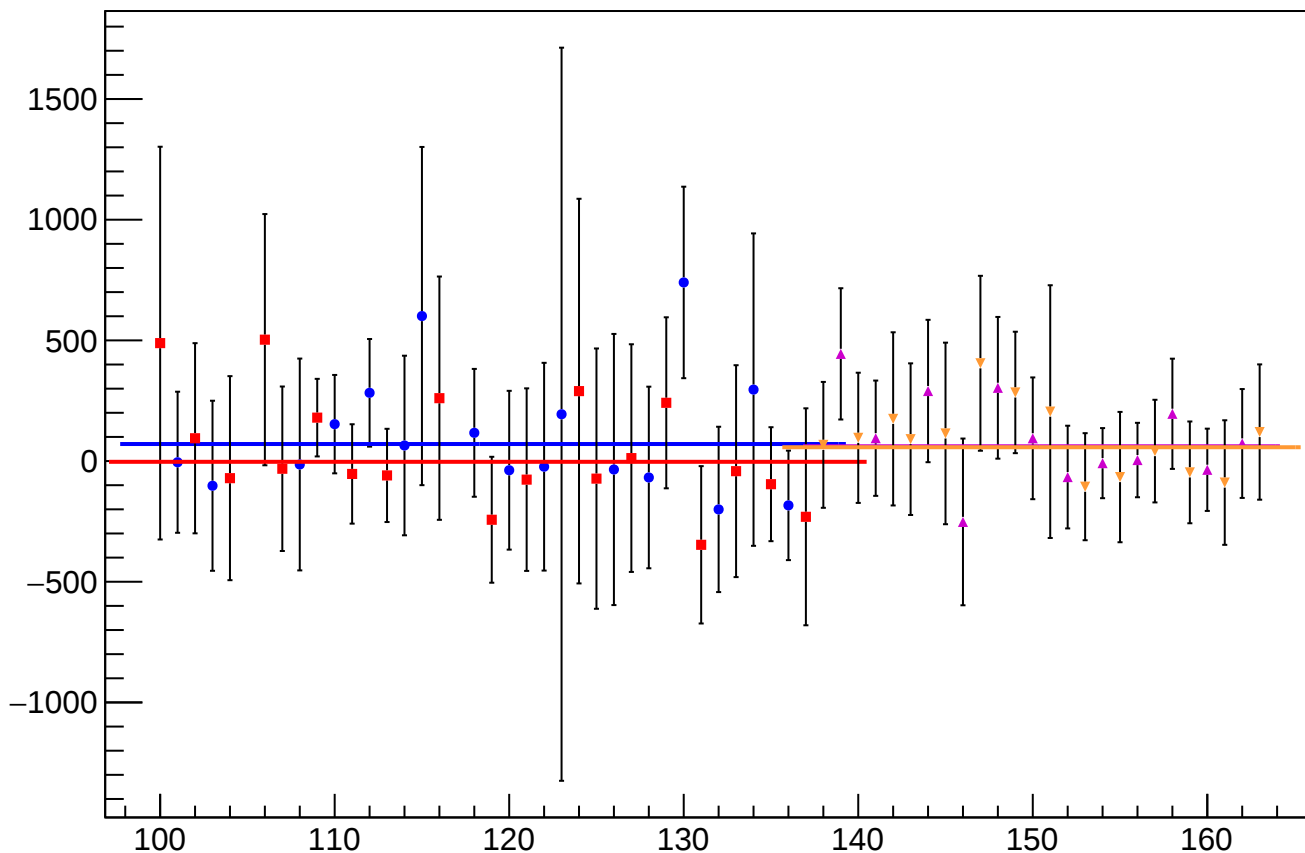
Right: 17.624 $\pm$ 0.003 χ^2 /NDF: 65217.7/35

In: 16.849 $\pm$ 0.003 χ^2 /NDF: 96711.6/28

Out: 16.953 $\pm$ 0.003 χ^2 /NDF: 119241.6/32

All: 16.902 $\pm$ 0.002 χ^2 /NDF: 216589.1/61

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 70.634+/-80.409 χ^2/NDF : 7.2/16

Left Out: 57.290+/-73.146 χ^2/NDF : 3.4/13

Right Out: -3.063+/-71.508 χ^2/NDF : 6.2/18

Left In: 61.356+/-61.652 χ^2/NDF : 5.5/11

Left: 59.667+/-47.141 χ^2/NDF : 8.9/25

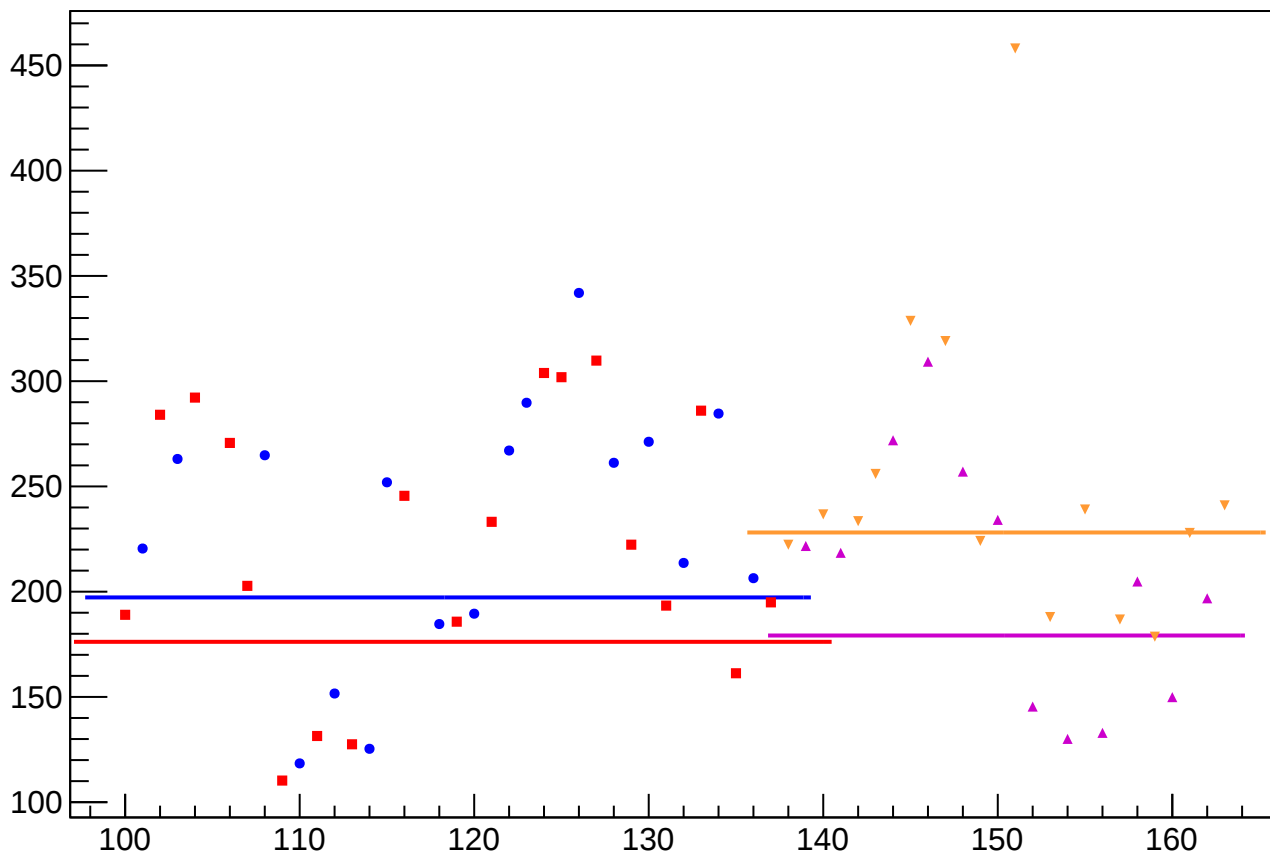
Right: 29.482+/-53.435 χ^2/NDF : 13.8/35

In: 64.791+/-48.926 χ^2/NDF : 12.7/28

Out: 26.430+/-51.133 χ^2/NDF : 9.9/32

All: 46.456+/-35.350 χ^2/NDF : 22.9/61

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.271+/-0.057 χ^2/NDF : 969549.7/16

Left Out: 228.125+/-0.052 χ^2/NDF : 933228.7/13

Right Out: 176.181+/-0.051 χ^2/NDF : 1519707.5/18

Left In: 179.179+/-0.044 χ^2/NDF : 1375563.6/11

Left: 199.509+/-0.033 χ^2/NDF : 2832364.8/25

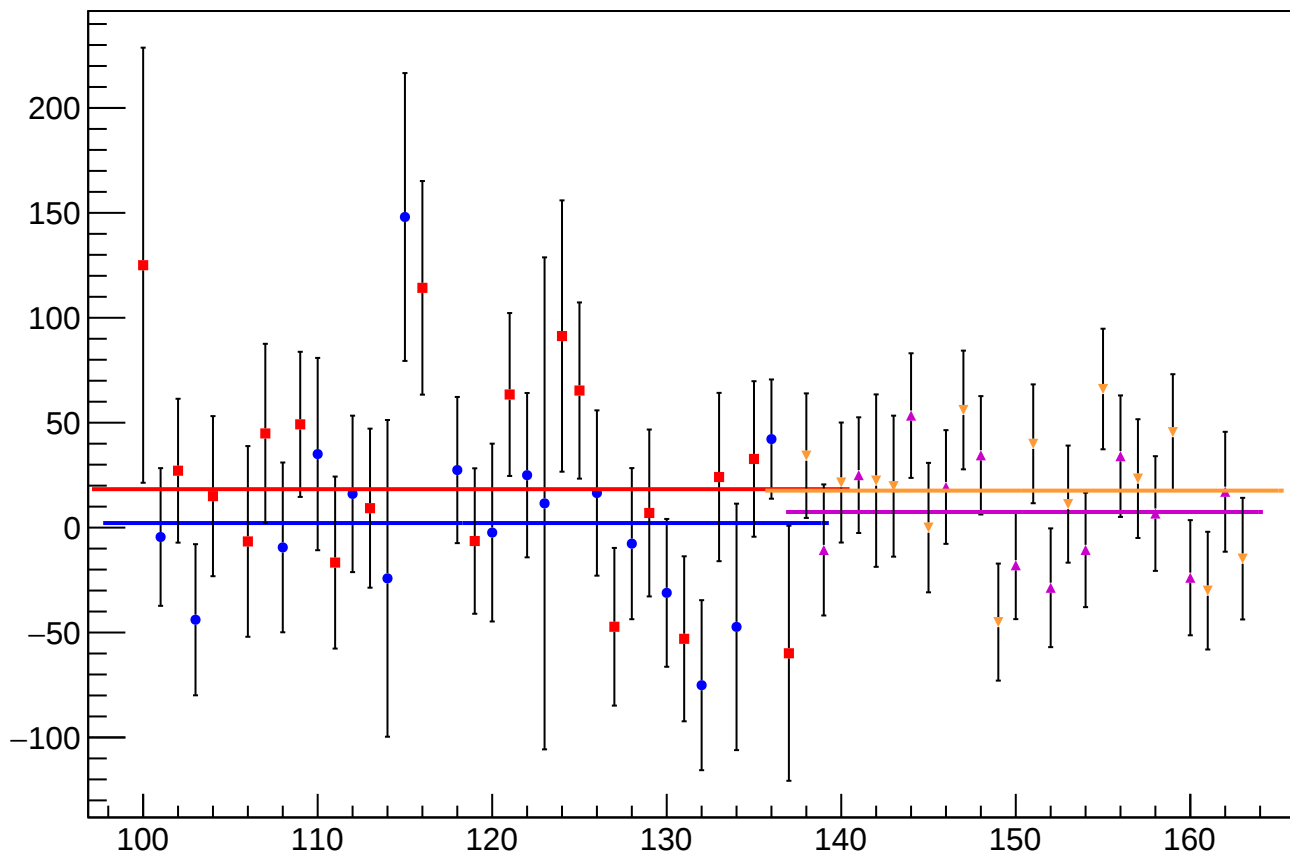
Right: 185.494+/-0.038 χ^2/NDF : 2566089.1/35

In: 185.877+/-0.035 χ^2/NDF : 2408877.8/28

Out: 201.564+/-0.036 χ^2/NDF : 2968666.8/32

All: 193.375+/-0.025 χ^2/NDF : 5475815.2/61

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.178 ± 9.825 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 17.630 ± 7.860 $\chi^2/\text{NDF}: 16.3/13$

Right Out: 18.320 ± 9.497 $\chi^2/\text{NDF}: 19.6/18$

Left In: 7.439 ± 8.087 $\chi^2/\text{NDF}: 9.6/11$

Left: 12.680 ± 5.636 $\chi^2/\text{NDF}: 26.7/25$

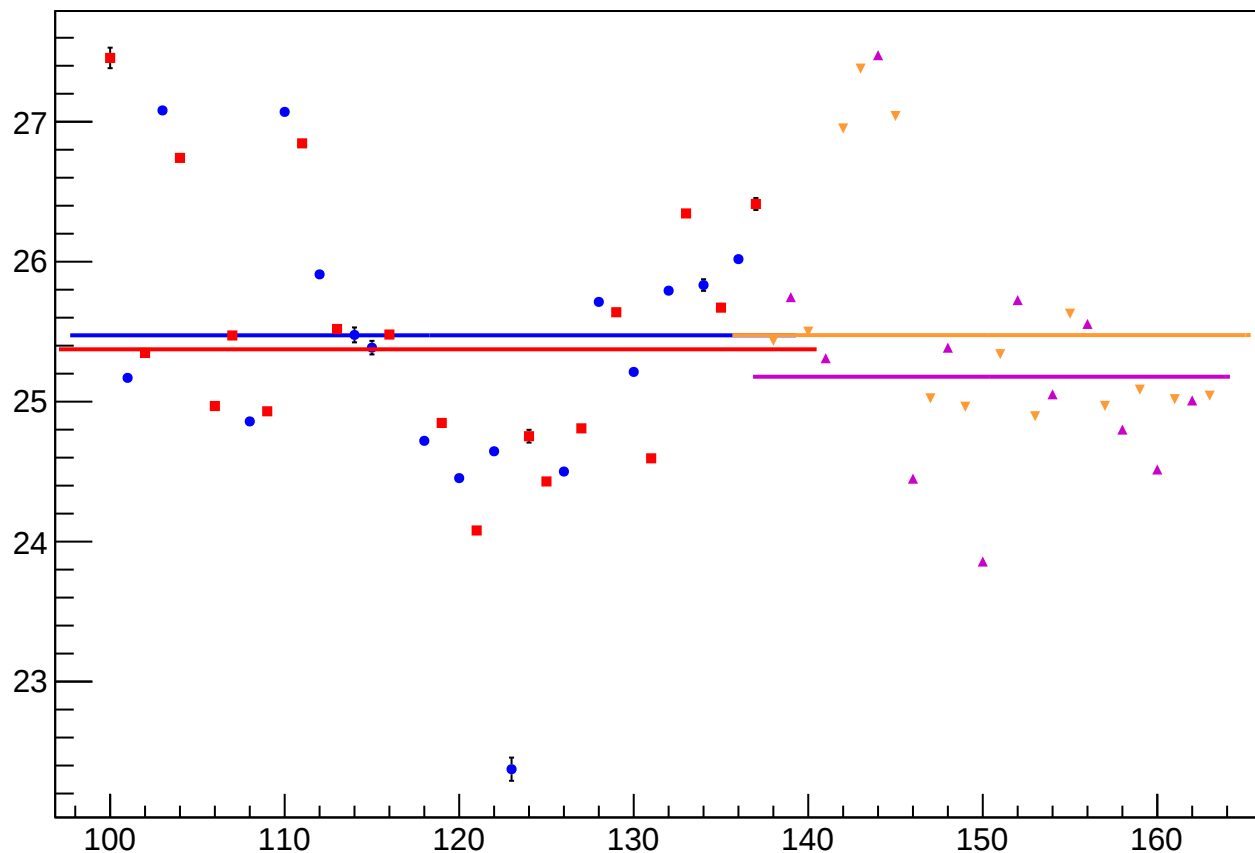
Right: 10.522 ± 6.828 $\chi^2/\text{NDF}: 36.4/35$

In: 5.314 ± 6.244 $\chi^2/\text{NDF}: 25.1/28$

Out: 17.910 ± 6.055 $\chi^2/\text{NDF}: 35.9/32$

All: 11.806 ± 4.347 $\chi^2/\text{NDF}: 63.1/61$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.474+/-0.007 χ^2/NDF : 14061.2/16

Left Out: 25.475+/-0.006 χ^2/NDF : 18327.2/13

Right Out: 25.374+/-0.007 χ^2/NDF : 13581.2/18

Left In: 25.178+/-0.006 χ^2/NDF : 22274.8/11

Left: 25.331+/-0.004 χ^2/NDF : 41990.6/25

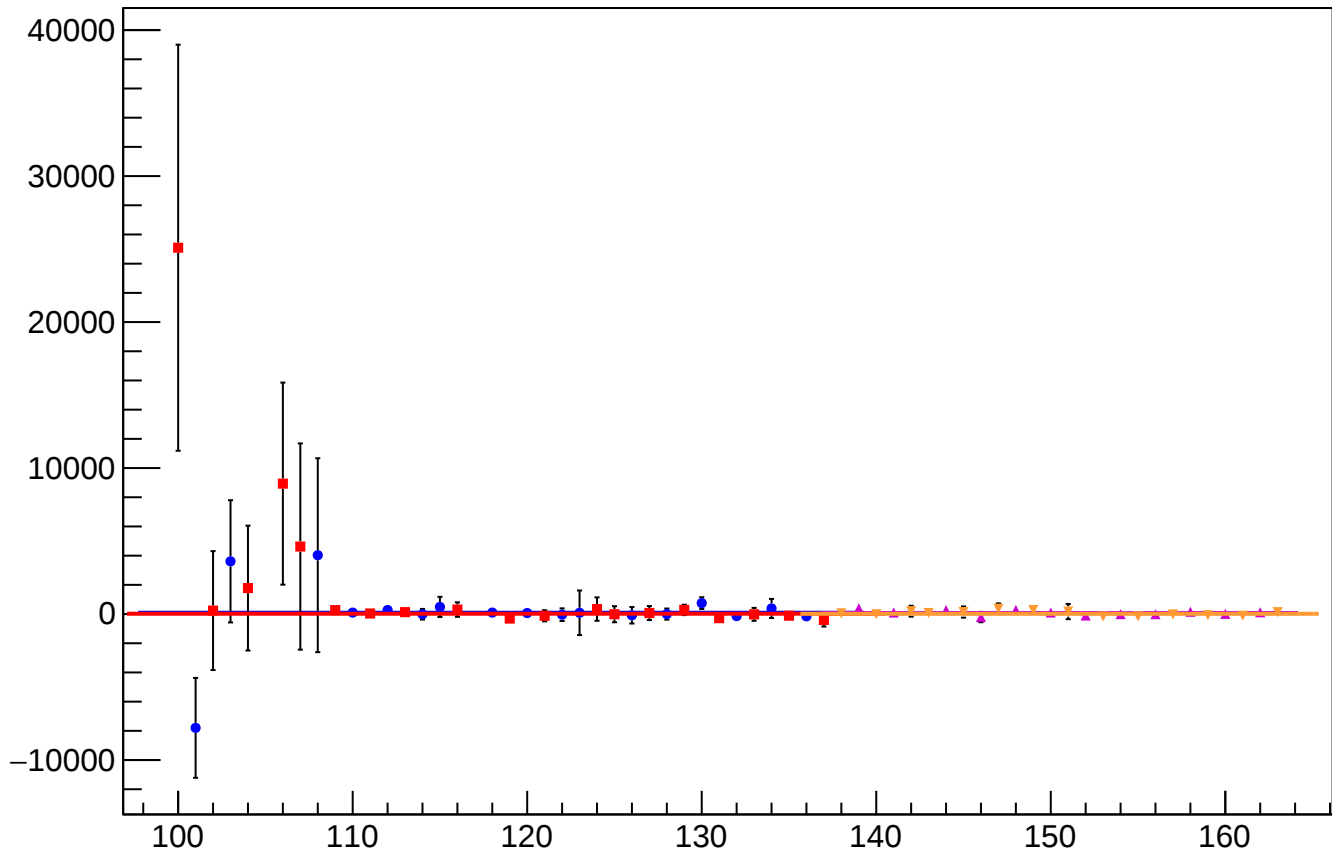
Right: 25.422+/-0.005 χ^2/NDF : 27749.4/35

In: 25.298+/-0.004 χ^2/NDF : 37416.6/28

Out: 25.434+/-0.004 χ^2/NDF : 32043.5/32

All: 25.368+/-0.003 χ^2/NDF : 69952.7/61

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 89.619+/-87.630 χ^2/NDF : 12.3/16

Left Out: 18.202+/-74.185 χ^2/NDF : 4.1/13

Right Out: 22.614+/-80.902 χ^2/NDF : 11.9/18

Left In: 67.420+/-62.688 χ^2/NDF : 4.5/11

Left: 46.916+/-47.882 χ^2/NDF : 8.8/25

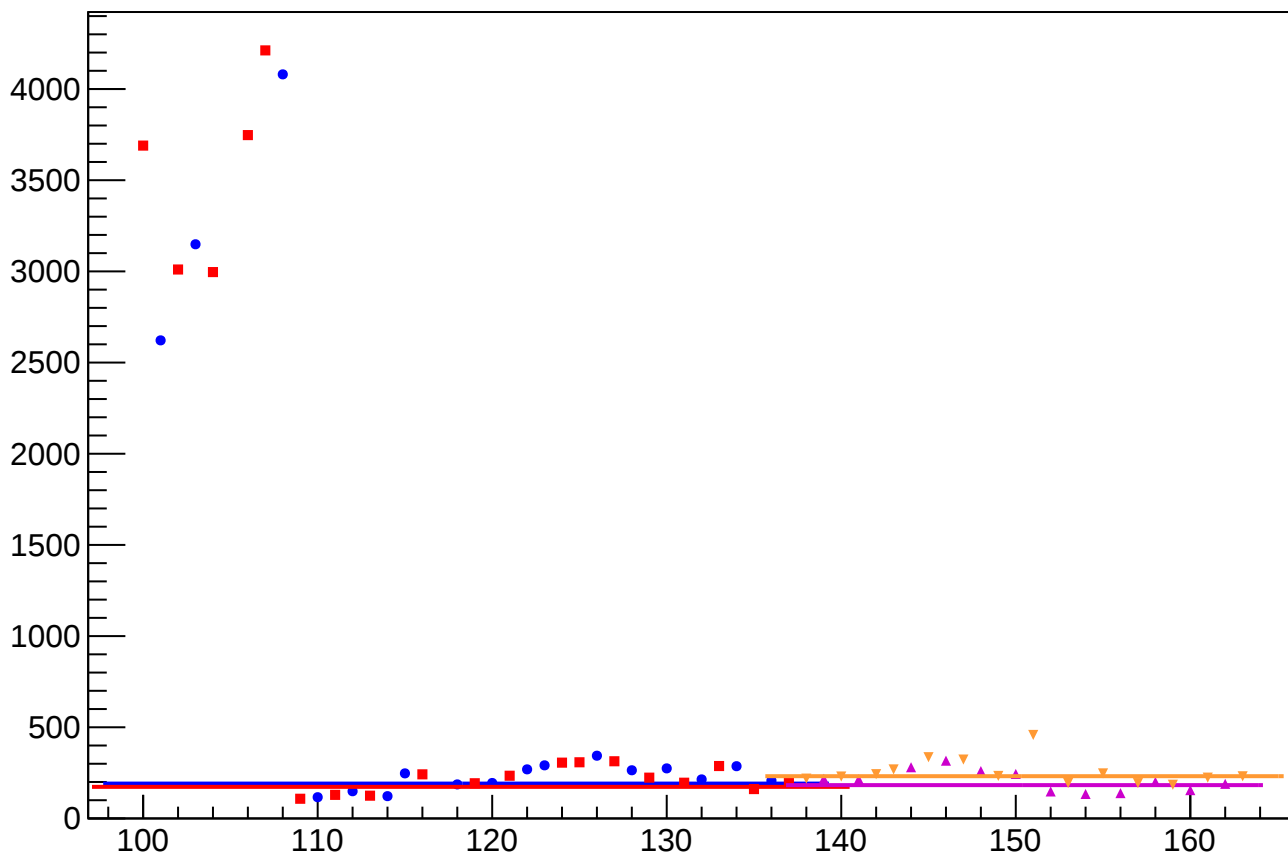
Right: 53.445+/-59.443 χ^2/NDF : 24.5/35

In: 74.935+/-50.985 χ^2/NDF : 16.9/28

Out: 20.217+/-54.677 χ^2/NDF : 16.0/32

All: 49.485+/-37.289 χ^2/NDF : 33.4/61

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.190+/-0.062 χ^2/NDF : 3571747.5/16

Left Out: 231.758+/-0.052 χ^2/NDF : 893377.7/13

Right Out: 173.269+/-0.057 χ^2/NDF : 4207191.5/18

Left In: 182.789+/-0.044 χ^2/NDF : 1279944.0/11

Left: 203.190+/-0.034 χ^2/NDF : 2681729.3/25

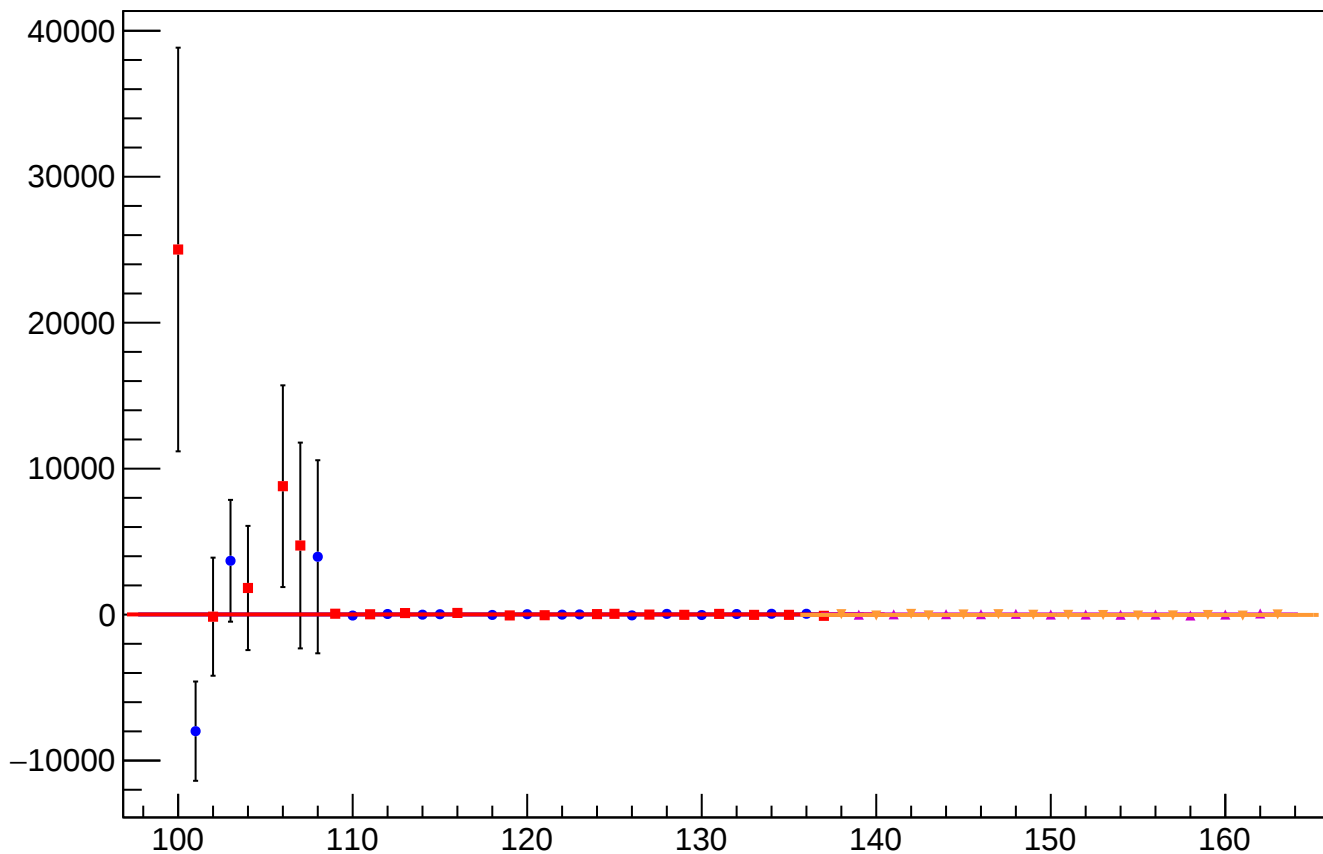
Right: 181.515+/-0.042 χ^2/NDF : 7824096.2/35

In: 185.633+/-0.036 χ^2/NDF : 4863849.7/28

Out: 205.042+/-0.039 χ^2/NDF : 5668439.5/32

All: 194.660+/-0.026 χ^2/NDF : 10667092.0/63

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.398+/-12.190 χ^2/NDF : 18.3/16

Left Out: -21.098+/-9.108 χ^2/NDF :15.4/13

Right Out: 12.947+/-12.227 χ^2/NDF : 24.4/18

Left In: 13.414+/-9.467 χ^2/NDF :13.8/11

Left: -4.507+/-6.564 χ^2/NDF : 36.1/25

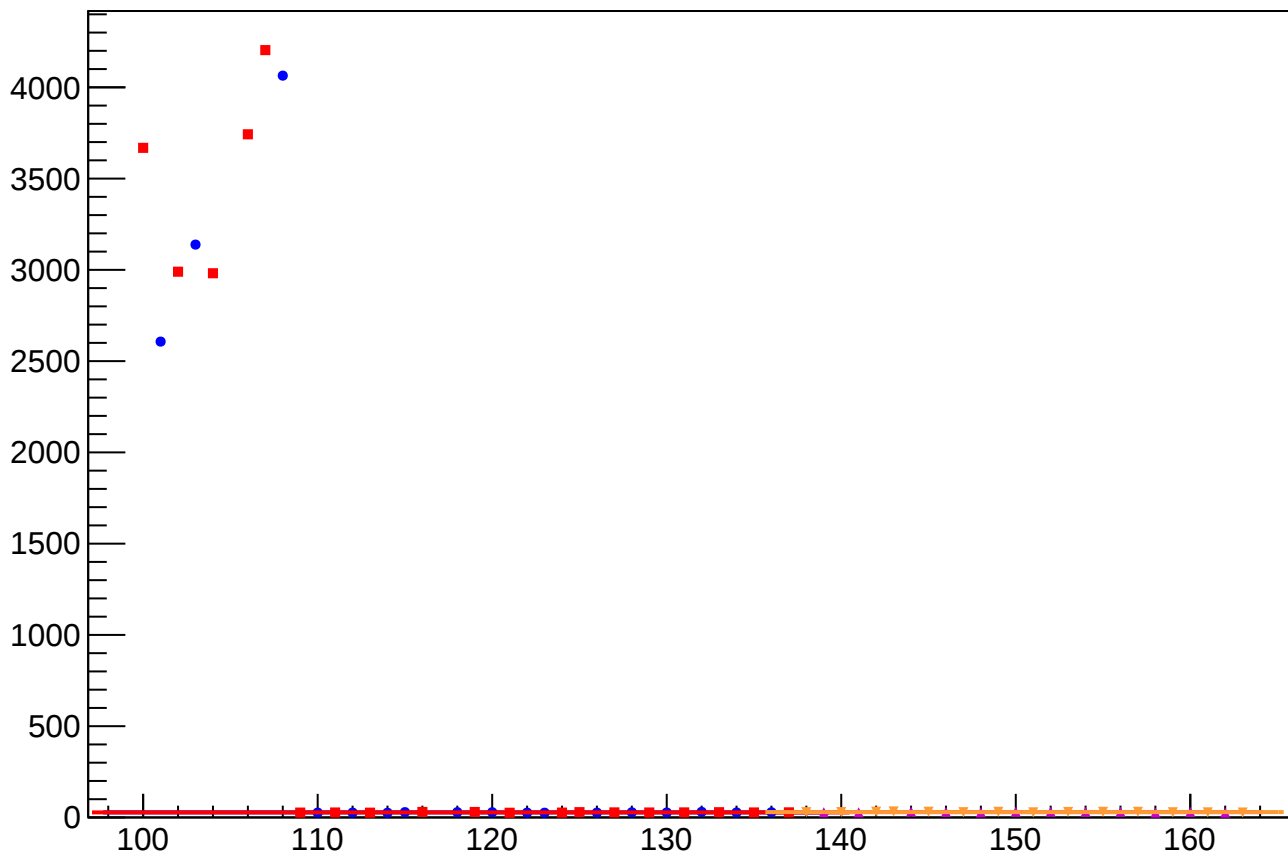
Right: 11.669+/-8.633 χ^2/NDF : 42.7/35

In: 12.280+/-7.477 χ^2/NDF :32.1/28

Out: -8.948+/-7.305 χ^2/NDF :44.8/32

All: 1.418+/-5.225 χ^2/NDF : 81.1/61

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.837+/-0.009 χ^2 /NDF: 3026887.2/16

Left Out: 29.472+/-0.006 χ^2 /NDF: 58020.5/13

Right Out: 27.694+/-0.009 χ^2 /NDF: 3476801.0/18

Left In: 29.396+/-0.007 χ^2 /NDF: 79155.8/11

Left: 29.435+/-0.005 χ^2 /NDF: 137244.2/25

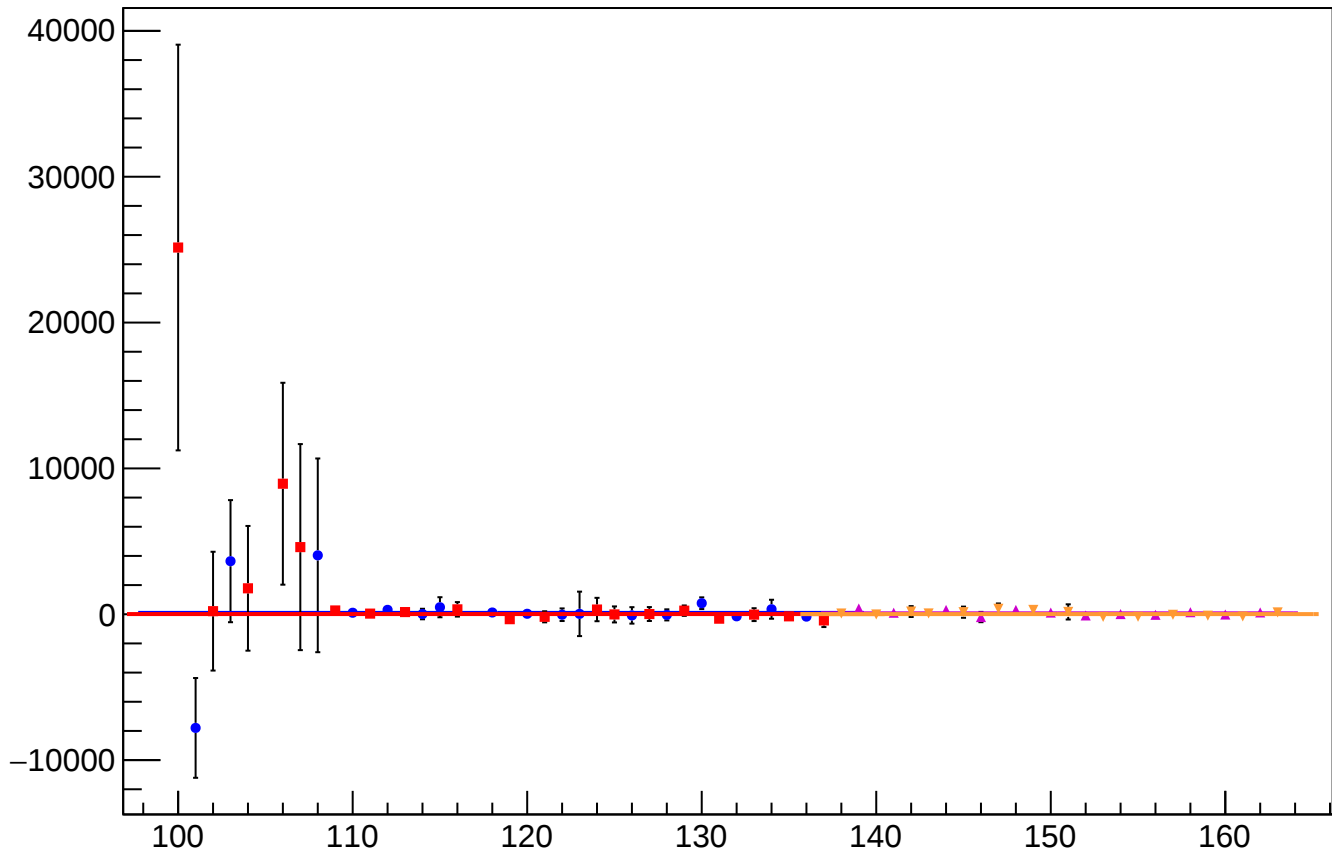
Right: 27.765+/-0.006 χ^2 /NDF: 6503824.5/35

In: 28.809+/-0.005 χ^2 /NDF: 3126452.2/28

Out: 28.838+/-0.005 χ^2 /NDF: 3562025.4/32

All: 28.824+/-0.004 χ^2 /NDF: 6688492.5/61

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 92.840+/-87.359 χ^2/NDF : 12.6/16

Left Out: 10.645+/-74.021 χ^2/NDF : 4.7/13

Right Out: 12.772+/-80.640 χ^2/NDF : 12.7/18

Left In: 65.088+/-62.566 χ^2/NDF : 4.7/11

Left: 42.401+/-47.783 χ^2/NDF : 9.7/25

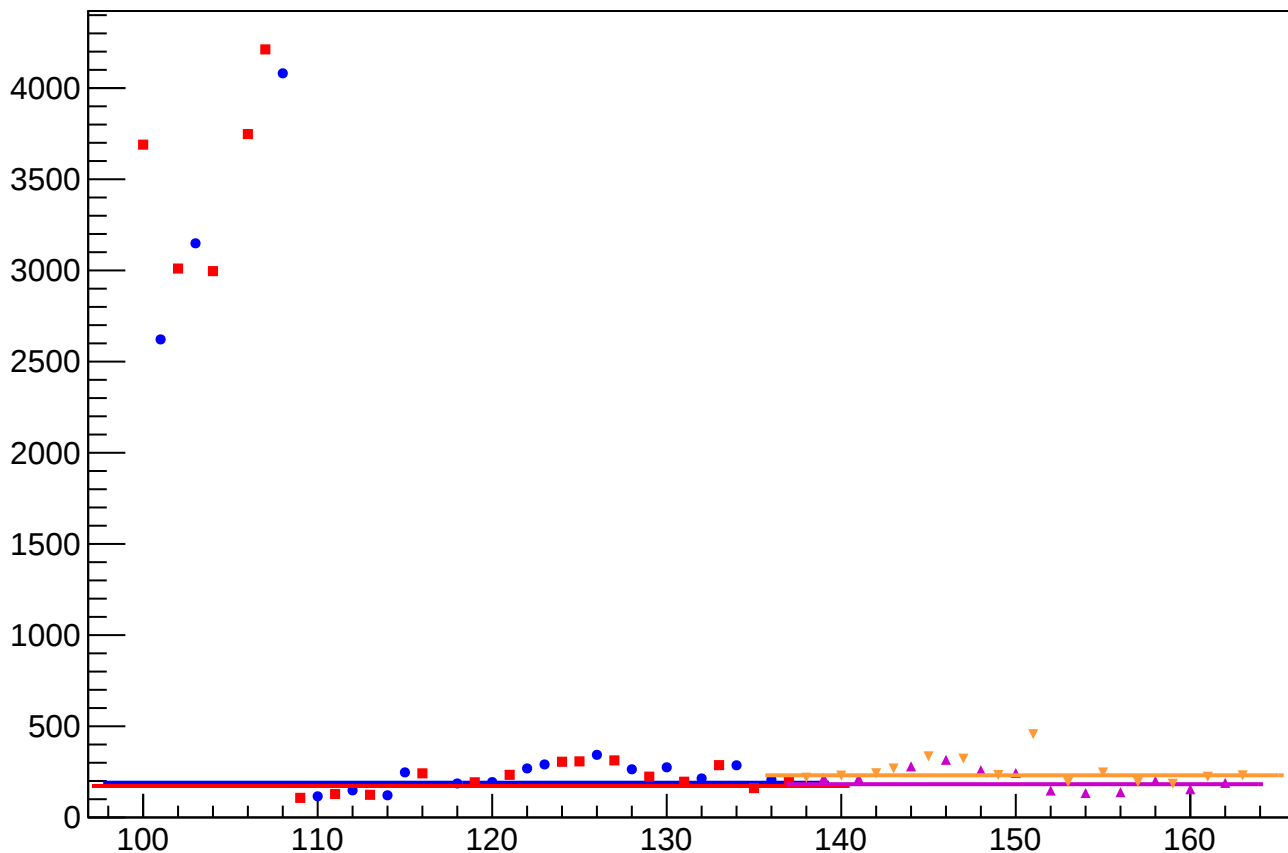
Right: 49.609+/-59.254 χ^2/NDF : 25.7/35

In: 74.497+/-50.866 χ^2/NDF : 17.4/28

Out: 11.618+/-54.531 χ^2/NDF : 17.4/32

All: 45.241+/-37.196 χ^2/NDF : 35.5/61

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.485+/-0.062 χ^2/NDF : 3583573.2/16

Left Out: 231.249+/-0.052 χ^2/NDF : 893378.5/13

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

Left In: 182.434+/-0.044 χ^2/NDF : 1280208.3/11

Left: 202.776+/-0.034 χ^2/NDF : 2680937.6/25

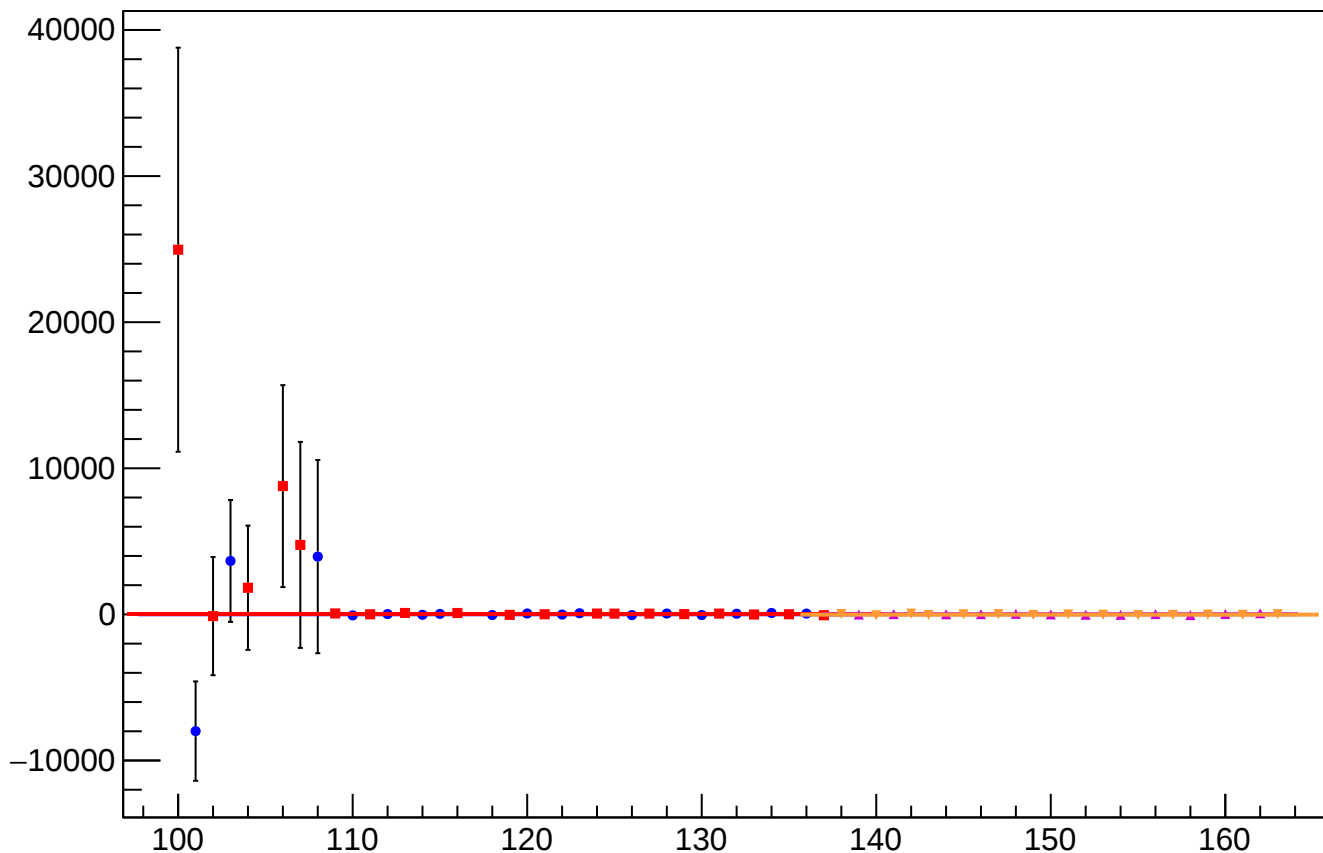
Right: 180.829+/-0.042 χ^2/NDF : 7847214.0/35

In: 185.164+/-0.036 χ^2/NDF : 4875010.6/28

Out: 204.431+/-0.039 χ^2/NDF : 5685885.9/32

All: 194.128+/-0.026 χ^2/NDF : 10694406.4/63

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.600+/-12.273 χ^2/NDF : 23.2/16

Left Out: -16.053+/-9.186 χ^2/NDF :10.0/13

Right Out: 29.627+/-12.328 χ^2/NDF : 16.5/18

Left In: 10.939+/-9.528 χ^2/NDF :12.6/11

Left: -3.049+/-6.613 χ^2/NDF : 26.8/25

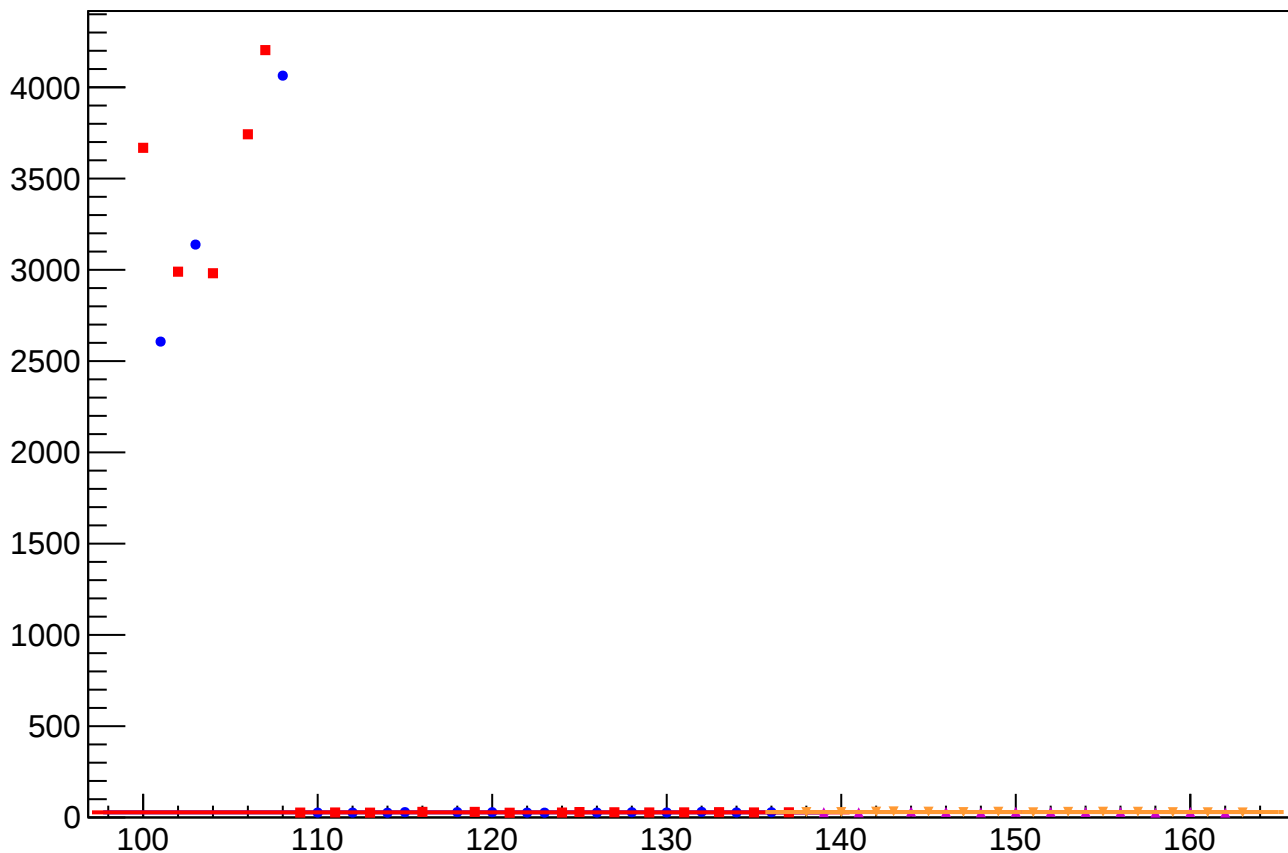
Right: 19.569+/-8.698 χ^2/NDF : 41.1/35

In: 10.436+/-7.526 χ^2/NDF :35.9/28

Out: 0.255+/-7.366 χ^2/NDF :35.3/32

All: 5.236+/-5.264 χ^2/NDF : 72.1/61

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.023+/-0.009 χ^2/NDF : 3027003.0/16

Left Out: 29.722+/-0.006 χ^2/NDF : 58198.2/13

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

Left In: 29.589+/-0.007 χ^2/NDF : 79283.8/11

Left: 29.658+/-0.005 χ^2/NDF : 137681.3/25

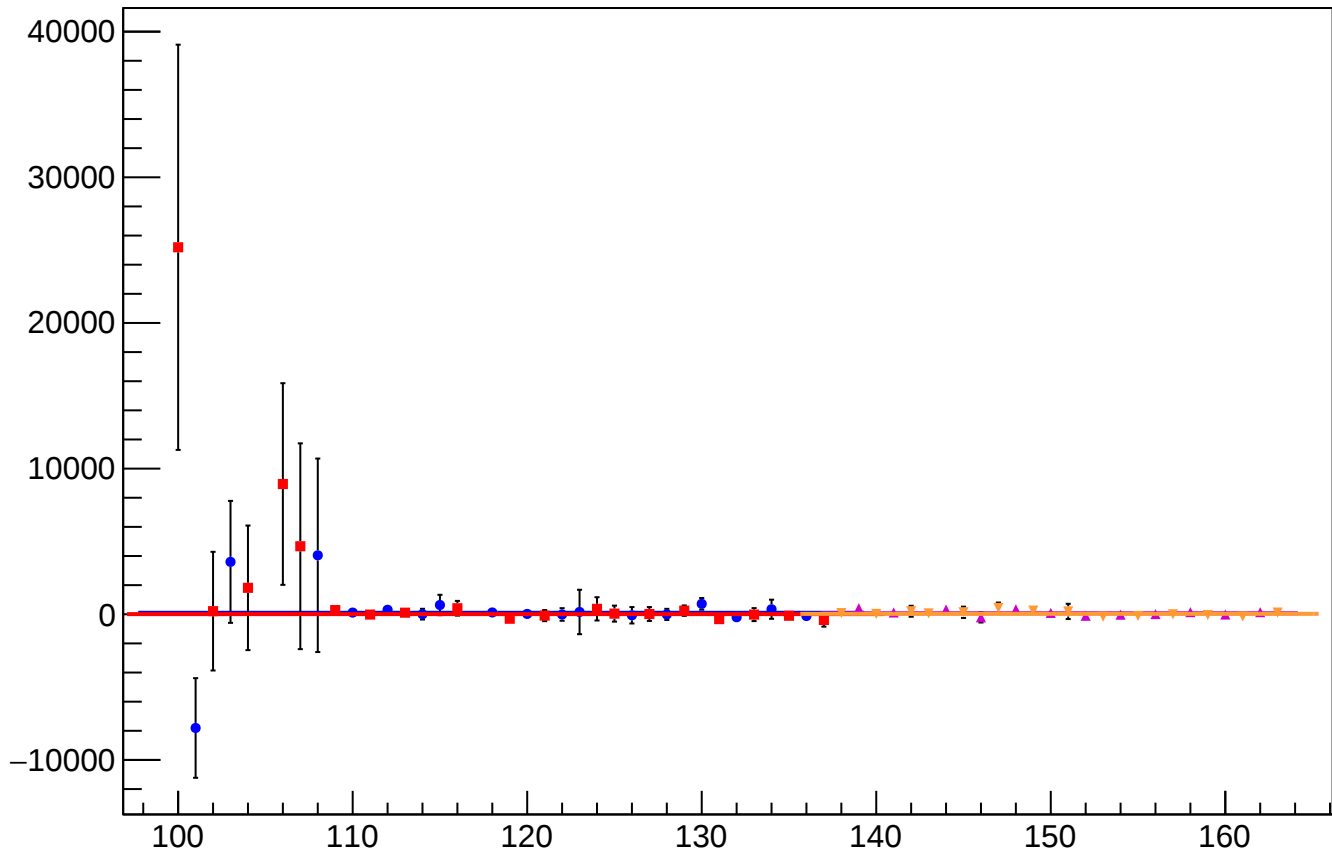
Right: 27.970+/-0.006 χ^2/NDF : 6506687.7/35

In: 29.000+/-0.005 χ^2/NDF : 3126618.5/28

Out: 29.077+/-0.005 χ^2/NDF : 3565362.4/32

All: 29.040+/-0.004 χ^2/NDF : 6692087.7/61

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 101.772 $\pm$ 88.390 χ^2 /NDF: 12.4/16

Left Out: 30.226 $\pm$ 74.881 χ^2 /NDF:4.1/13

Right Out: 11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

Left In: 70.317 $\pm$ 63.488 χ^2 /NDF:5.5/11

Left: 53.551 $\pm$ 48.425 χ^2 /NDF: 9.8/25

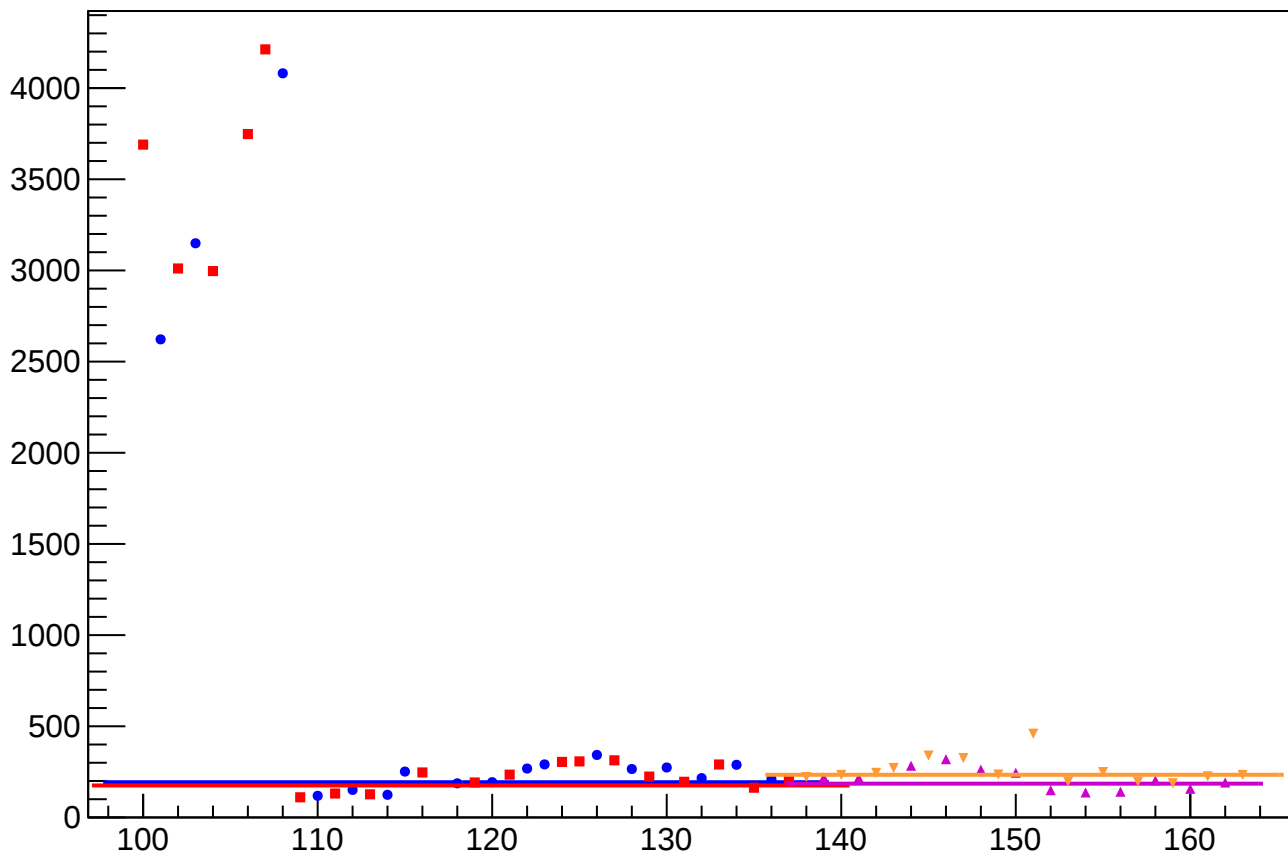
Right: 52.959 $\pm$ 60.008 χ^2 /NDF: 25.2/35

In: 81.022 $\pm$ 51.565 χ^2 /NDF:17.9/28

Out: 21.556 $\pm$ 55.211 χ^2 /NDF:16.4/32

All: 53.317 $\pm$ 37.685 χ^2 /NDF: 35.0/61

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.190+/-0.063 χ^2/NDF : 3536123.5/16

Left Out: 234.059+/-0.053 χ^2/NDF : 883904.9/13

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

Left In: 185.339+/-0.045 χ^2/NDF : 1254546.4/11

Left: 205.714+/-0.034 χ^2/NDF : 2631017.9/25

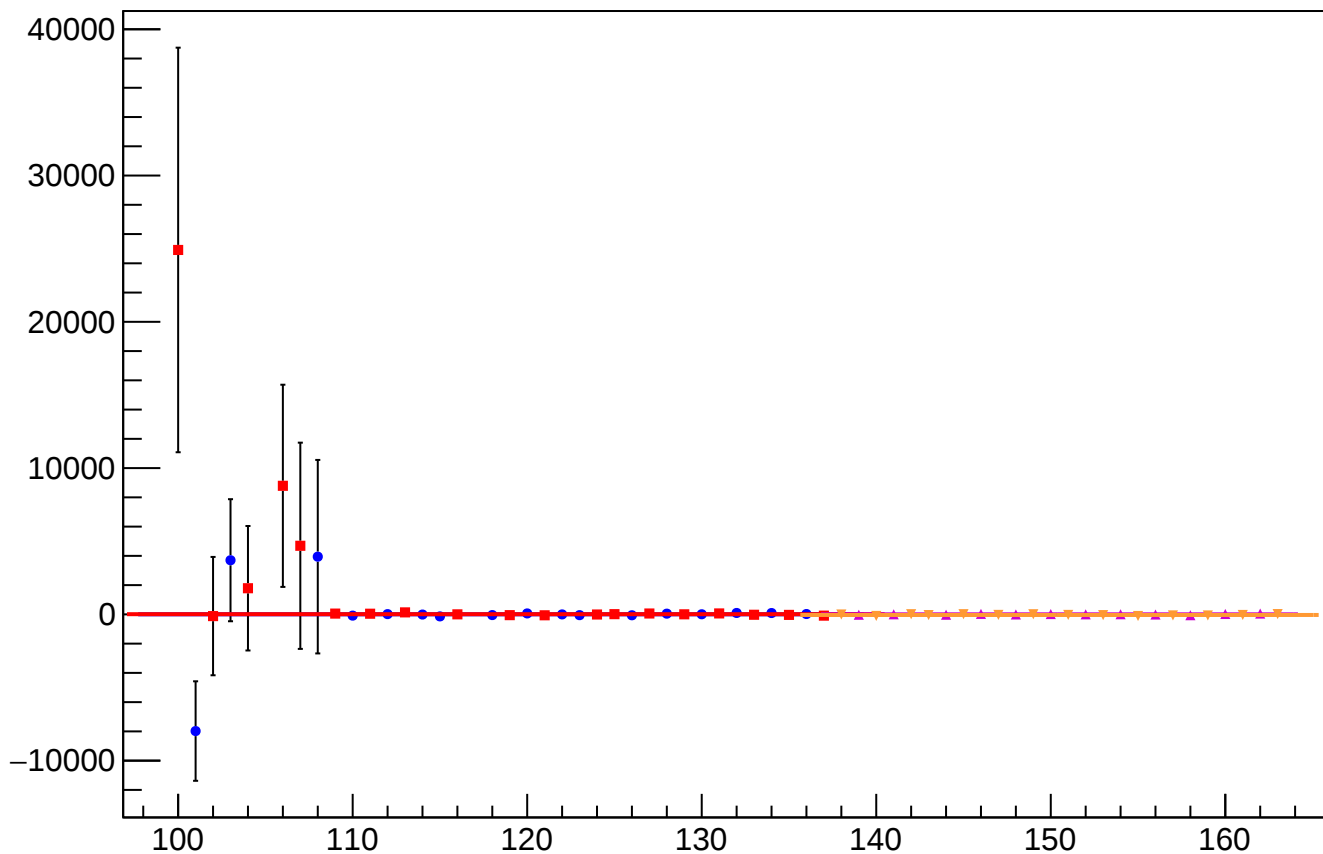
Right: 183.645+/-0.042 χ^2/NDF : 7744773.8/35

In: 188.011+/-0.036 χ^2/NDF : 4801079.5/28

Out: 207.328+/-0.039 χ^2/NDF : 5607767.3/32

All: 197.010+/-0.027 χ^2/NDF : 10539611.7/63

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.651 ± 14.935 χ^2/NDF : 20.4/16

Left Out: -40.194 ± 10.822 χ^2/NDF : 14.3/13

Right Out: 12.487 ± 14.947 χ^2/NDF : 21.7/18

Left In: 3.463 ± 11.263 χ^2/NDF : 7.1/11

Left: -19.237 ± 7.803 χ^2/NDF : 29.2/25

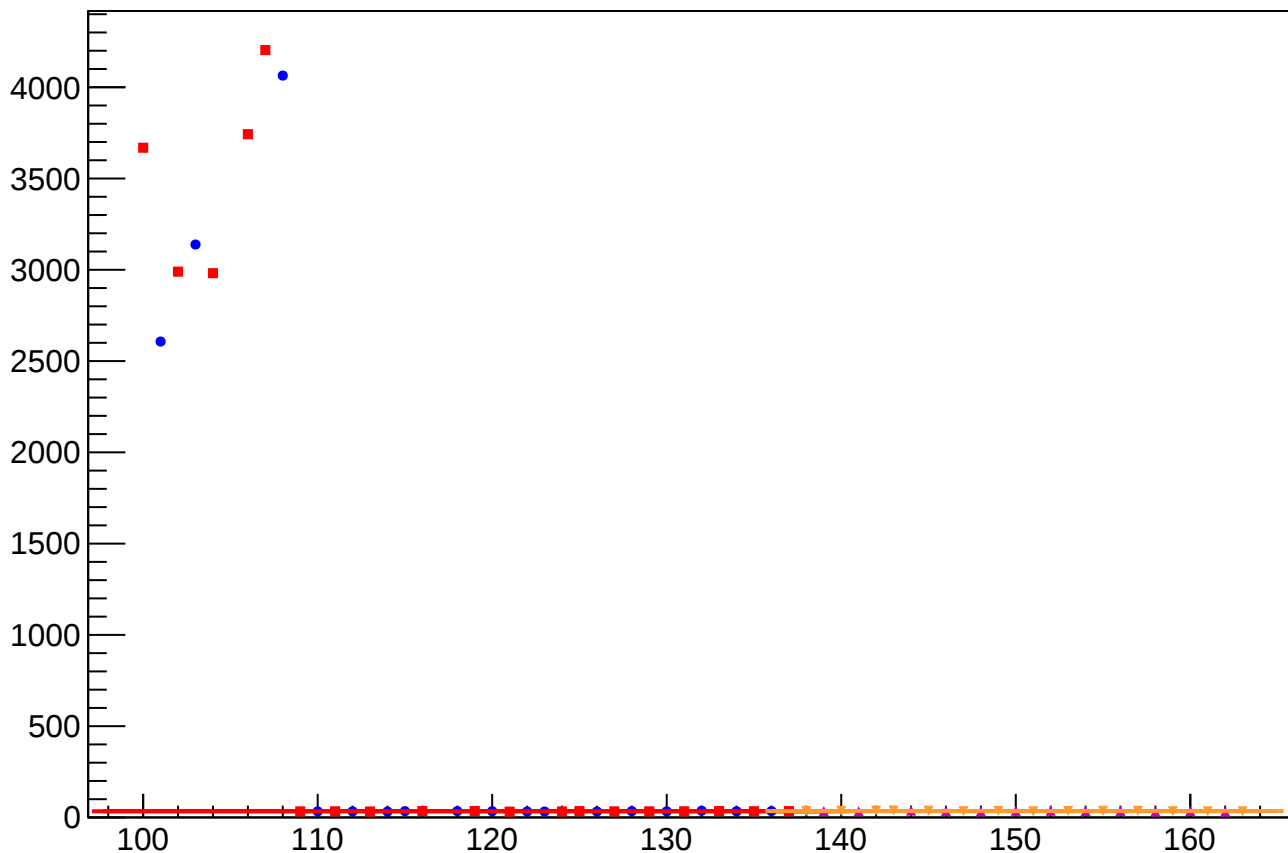
Right: 8.566 ± 10.565 χ^2/NDF : 42.2/35

In: 3.894 ± 8.992 χ^2/NDF : 27.5/28

Out: -22.077 ± 8.765 χ^2/NDF : 44.1/32

All: -9.423 ± 6.277 χ^2/NDF : 75.9/61

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.137 $\pm$ 0.011 χ^2 /NDF: 3006248.0/16

Left Out: 35.063 $\pm$ 0.008 χ^2 /NDF:32310.9/13

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

Left In: 35.044 $\pm$ 0.008 χ^2 /NDF:35783.2/11

Left: 35.054 $\pm$ 0.006 χ^2 /NDF: 68097.1/25

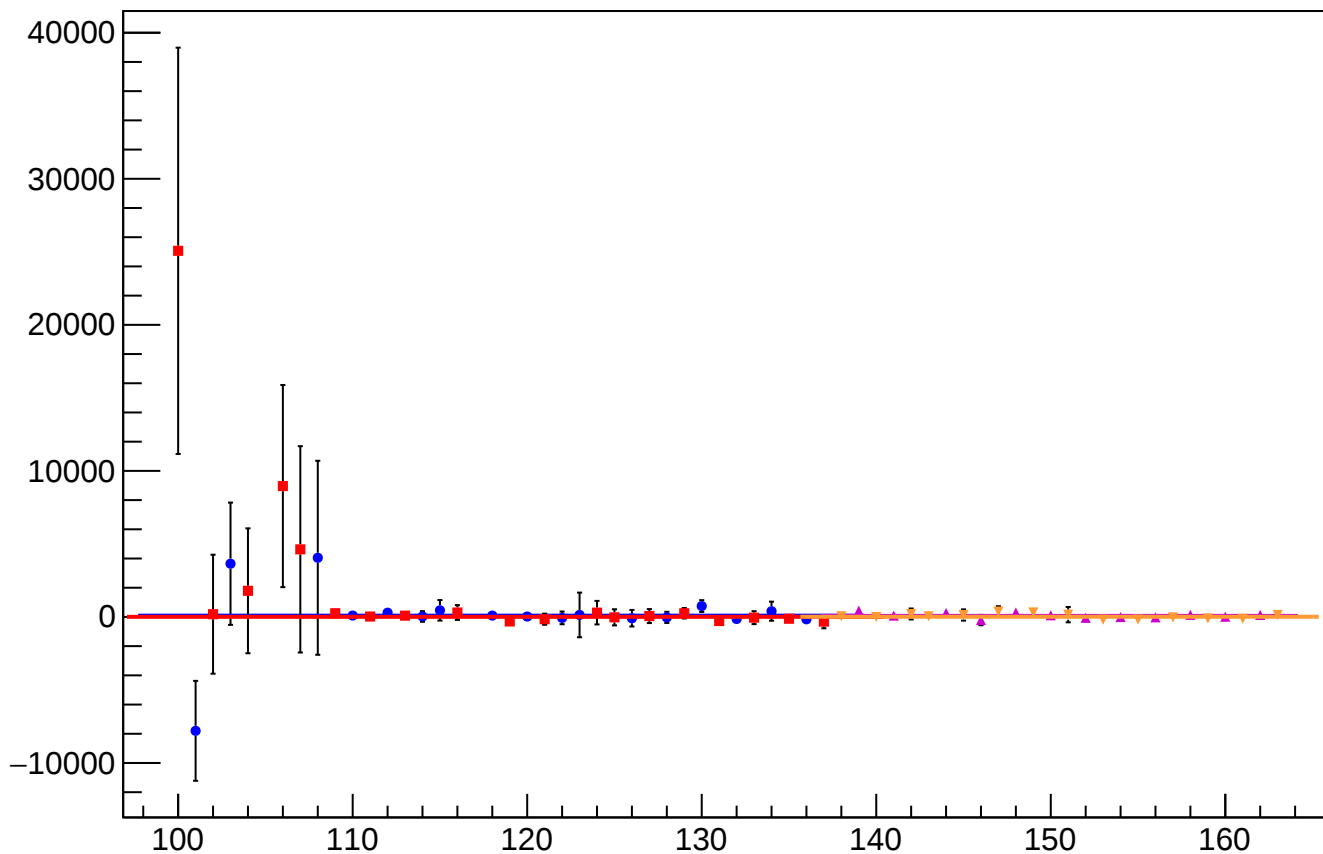
Right: 34.025 $\pm$ 0.007 χ^2 /NDF: 6458362.5/35

In: 34.716 $\pm$ 0.006 χ^2 /NDF:3046733.8/28

Out: 34.668 $\pm$ 0.006 χ^2 /NDF:3491979.4/32

All: 34.691 $\pm$ 0.004 χ^2 /NDF: 6538742.3/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.041+/-87.947 χ^2/NDF : 12.4/16

Left Out: 13.441+/-74.683 χ^2/NDF :4.7/13

Right Out: 7.296+/-81.208 χ^2/NDF : 11.1/18

Left In: 70.604+/-63.290 χ^2/NDF :4.8/11

Left: 46.710+/-48.284 χ^2/NDF : 9.8/25

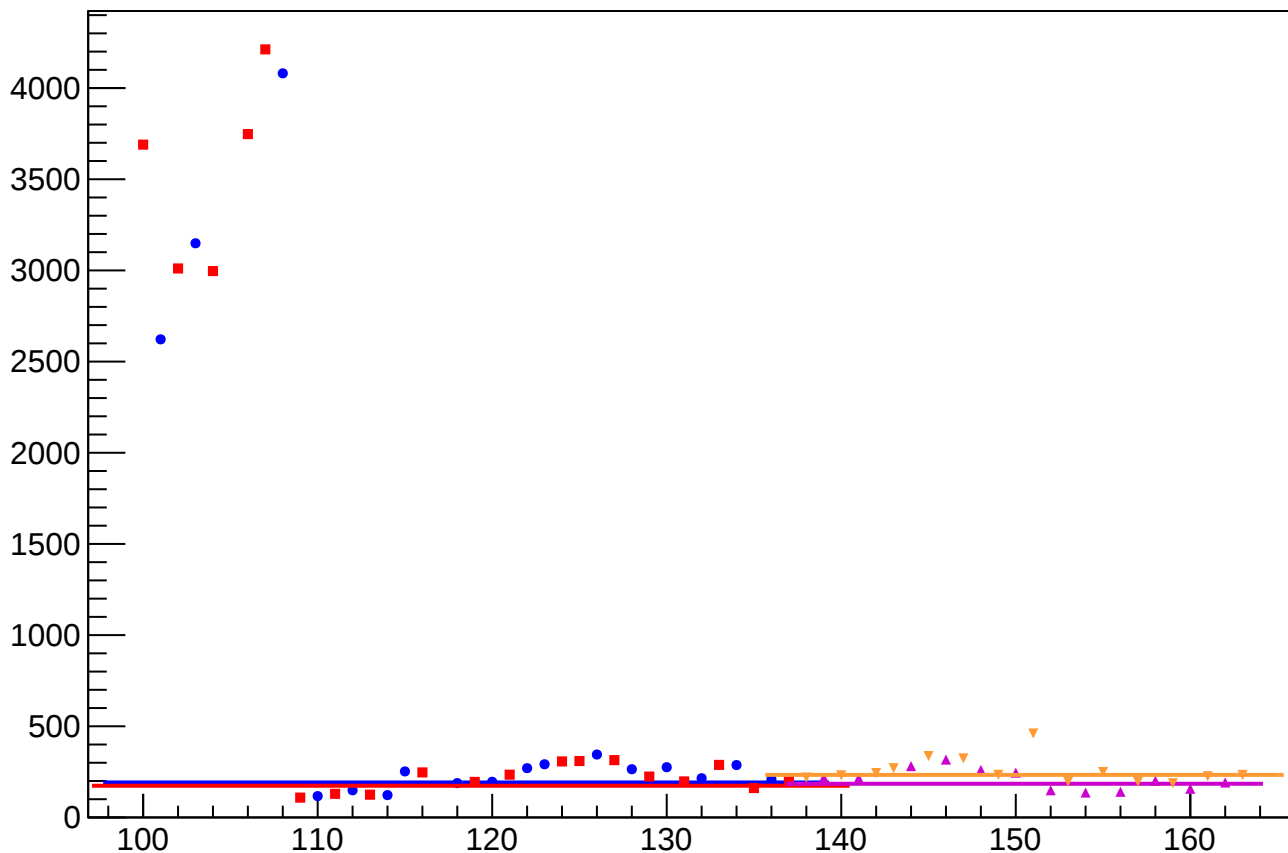
Right: 43.536+/-59.663 χ^2/NDF : 23.9/35

In: 75.870+/-51.371 χ^2/NDF :17.2/28

Out: 10.625+/-54.971 χ^2/NDF :15.7/32

All: 45.454+/-37.533 χ^2/NDF : 33.7/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.880+/-0.062 χ^2/NDF : 3573060.2/16

Left Out: 233.454+/-0.053 χ^2/NDF : 877027.8/13

Right Out: 173.928+/-0.057 χ^2/NDF : 4211385.1/18

Left In: 184.786+/-0.045 χ^2/NDF : 1240175.2/11

Left: 205.129+/-0.034 χ^2/NDF : 2611521.4/25

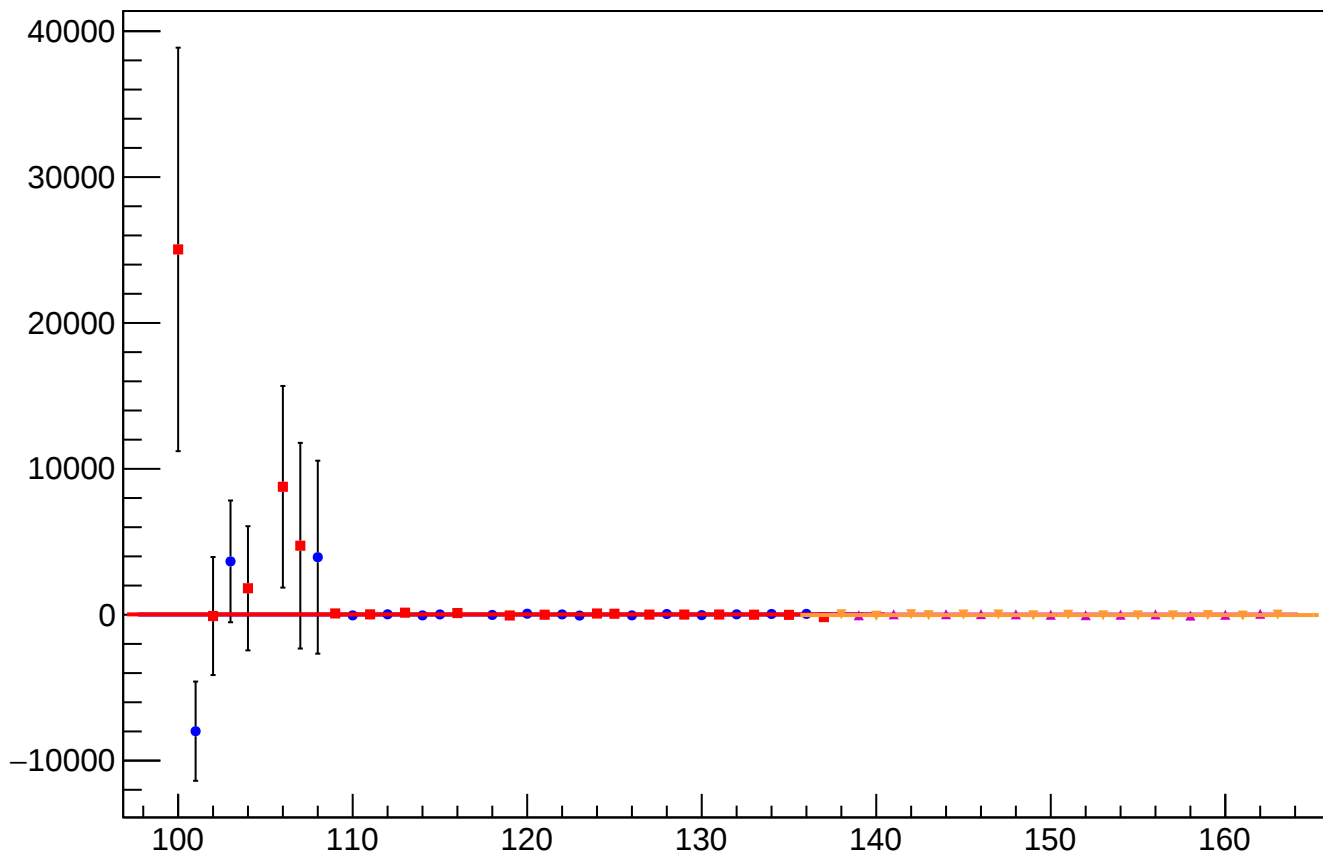
Right: 182.190+/-0.042 χ^2/NDF : 7829428.1/35

In: 187.207+/-0.036 χ^2/NDF : 4821807.8/28

Out: 206.178+/-0.039 χ^2/NDF : 5670621.3/32

All: 196.051+/-0.027 χ^2/NDF : 10619591.4/63

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 14.121+/-13.618 χ^2/NDF : 15.2/16

Left Out: -22.705+/-9.815 χ^2/NDF : 11.0/13

Right Out: 23.374+/-13.655 χ^2/NDF : 27.5/18

Left In: 10.315+/-10.207 χ^2/NDF : 12.4/11

Left: -6.842+/-7.075 χ^2/NDF : 28.8/25

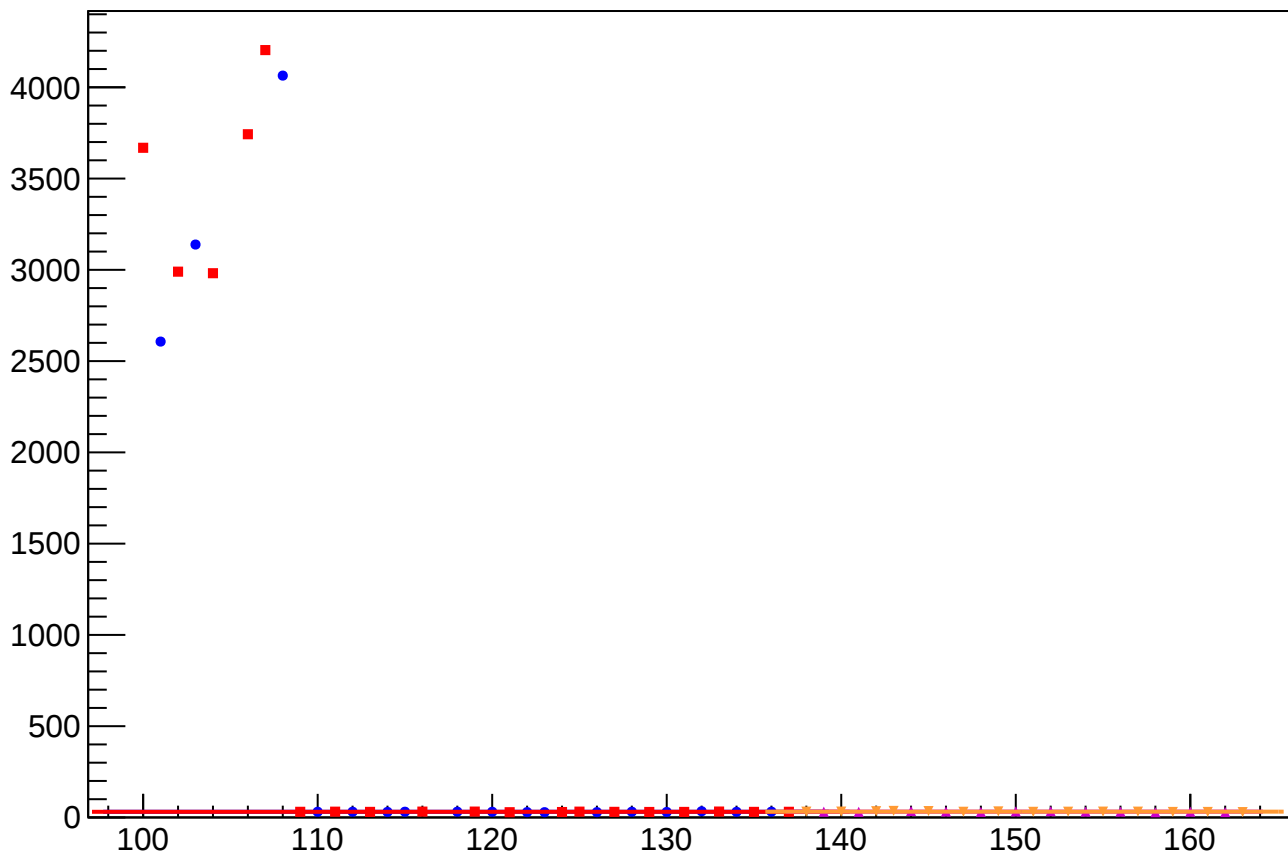
Right: 18.734+/-9.643 χ^2/NDF : 42.9/35

In: 11.684+/-8.168 χ^2/NDF : 27.6/28

Out: -7.009+/-7.970 χ^2/NDF : 46.0/32

All: 2.108+/-5.704 χ^2/NDF : 76.3/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.127 $\pm$ 0.010 χ^2 /NDF: 3014425.9/16

Left Out: 31.764 $\pm$ 0.007 χ^2 /NDF: 58706.8/13

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

Left In: 31.705 $\pm$ 0.007 χ^2 /NDF: 64852.0/11

Left: 31.736 $\pm$ 0.005 χ^2 /NDF: 123593.5/25

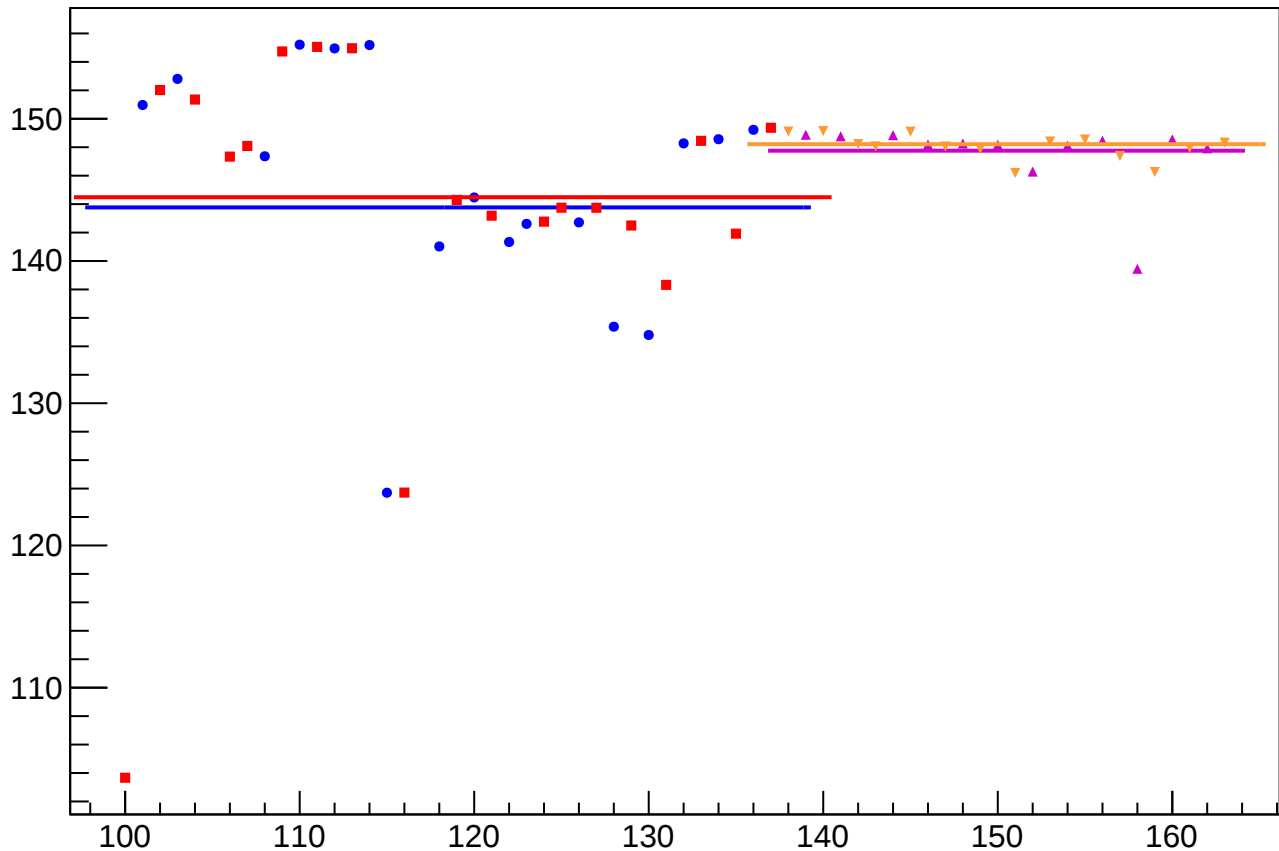
Right: 31.045 $\pm$ 0.007 χ^2 /NDF: 6473514.9/35

In: 31.497 $\pm$ 0.006 χ^2 /NDF: 3081589.2/28

Out: 31.491 $\pm$ 0.006 χ^2 /NDF: 3522191.2/32

All: 31.494 $\pm$ 0.004 χ^2 /NDF: 6603780.9/61

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.768 $\pm$ 0.000 χ^2 /NDF: 3532173868.5/16

Left Out: 148.215 $\pm$ 0.000 χ^2 /NDF: 50631695.3/13

Right Out: 144.486 $\pm$ 0.000 χ^2 /NDF: 4183608291.3/18

Left In: 147.757 $\pm$ 0.000 χ^2 /NDF: 320135432.7/11

Left: 147.997 $\pm$ 0.000 χ^2 /NDF: 377343316.3/25

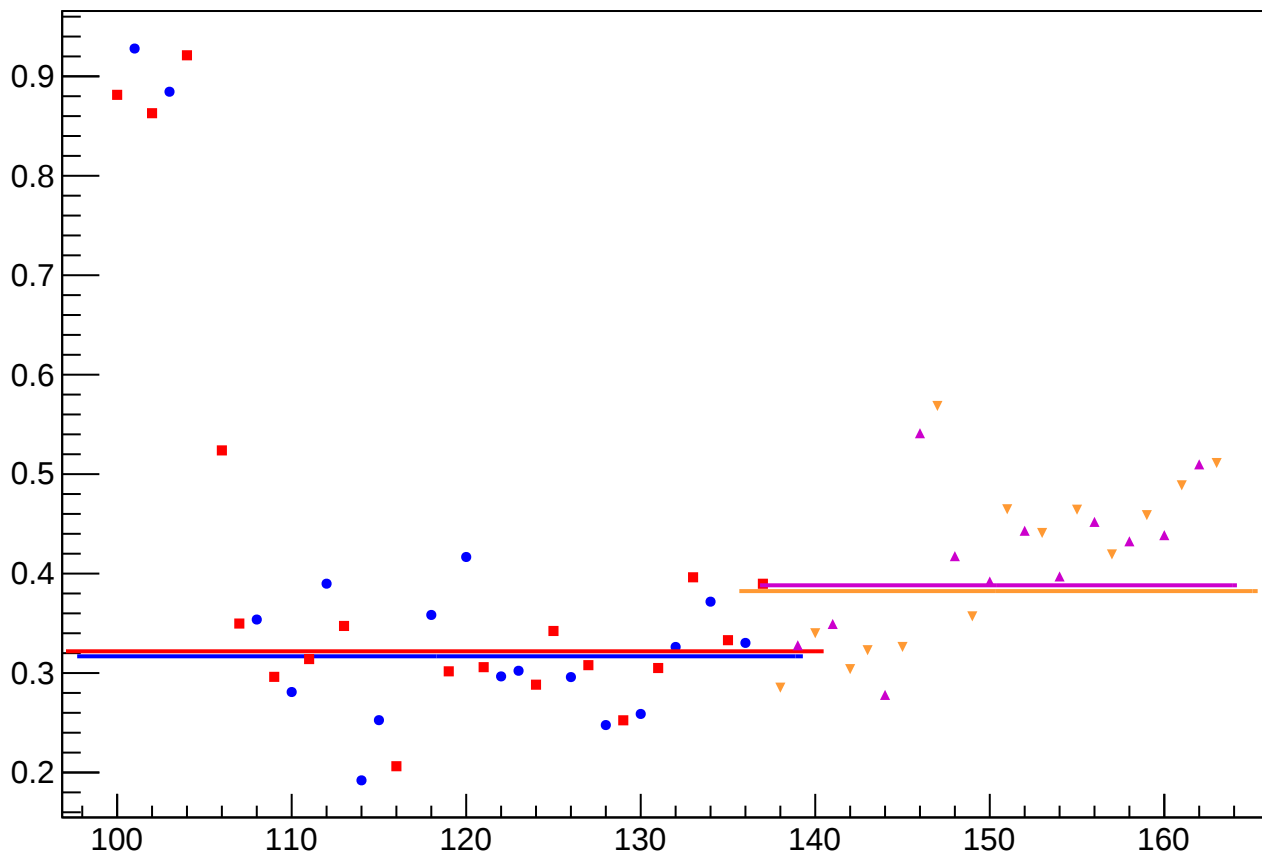
Right: 144.130 $\pm$ 0.000 χ^2 /NDF: 7730221597.0/35

In: 145.835 $\pm$ 0.000 χ^2 /NDF: 4311047466.8/28

Out: 146.495 $\pm$ 0.000 χ^2 /NDF: 4658144722.5/32

All: 146.175 $\pm$ 0.000 χ^2 /NDF: 8995110590.9

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1278613.2/16

Left Out: 0.382 $\pm$ 0.000 χ^2 /NDF:839047.1/13

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1217762.5/18

Left In: 0.388 $\pm$ 0.000 χ^2 /NDF:636564.0/11

Left: 0.385 $\pm$ 0.000 χ^2 /NDF: 1477749.7/25

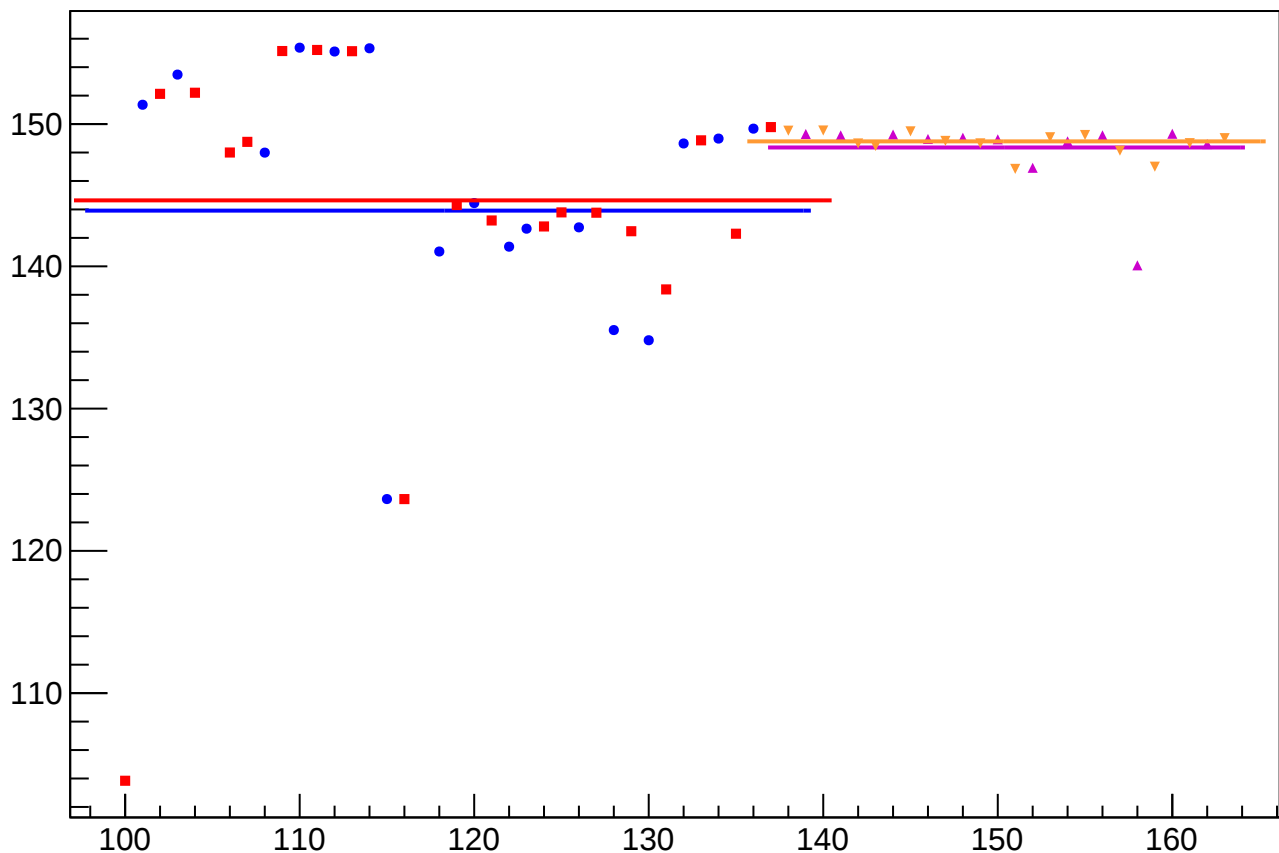
Right: 0.319 $\pm$ 0.000 χ^2 /NDF: 2497805.1/35

In: 0.354 $\pm$ 0.000 χ^2 /NDF:2209201.7/28

Out: 0.354 $\pm$ 0.000 χ^2 /NDF:2280143.3/32

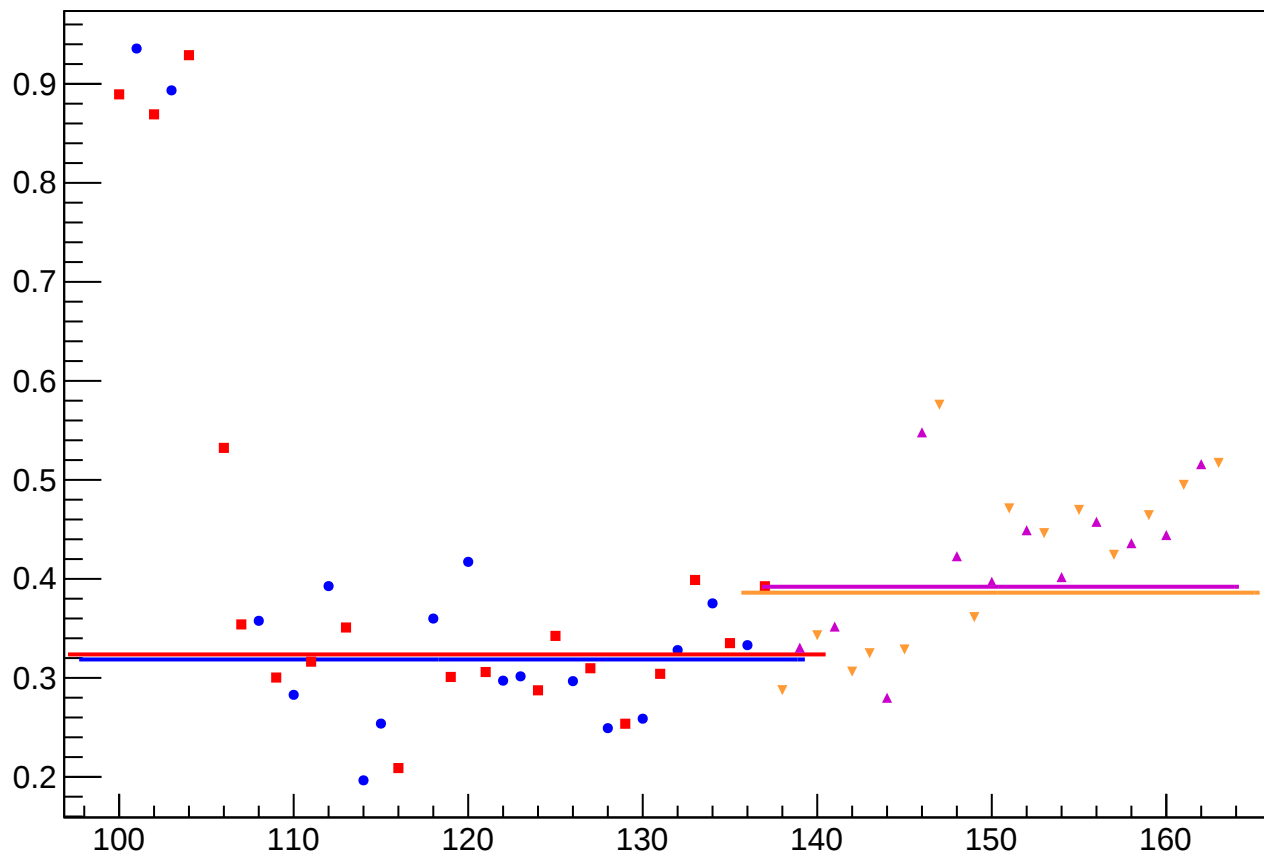
All: 0.354 $\pm$ 0.000 χ^2 /NDF: 4489397.4/61

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.917+/-0.000	χ^2/NDF : 3584662767.5/16	Left: 148.580+/-0.000	χ^2/NDF : 355092972.9/25
Left Out: 148.784+/-0.000	χ^2/NDF : 39849951.0/13	Right: 144.280+/-0.000	χ^2/NDF : 7809567994.8/35
Right Out: 144.637+/-0.000	χ^2/NDF : 4210524953.9/18	In: 146.206+/-0.000	χ^2/NDF : 4453362234.3/28
Left In: 148.355+/-0.000	χ^2/NDF : 309577985.1/11	Out: 146.863+/-0.000	χ^2/NDF : 4766655395.5/32
		All: 146.544+/-0.000	χ^2/NDF : 9245269740.5

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319+/-0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.386+/-0.000 χ^2/NDF : 855194.1/13

Right Out: 0.324+/-0.000 χ^2/NDF : 1220898.3/18

Left In: 0.392+/-0.000 χ^2/NDF : 650507.8/11

Left: 0.389+/-0.000 χ^2/NDF : 1507907.1/25

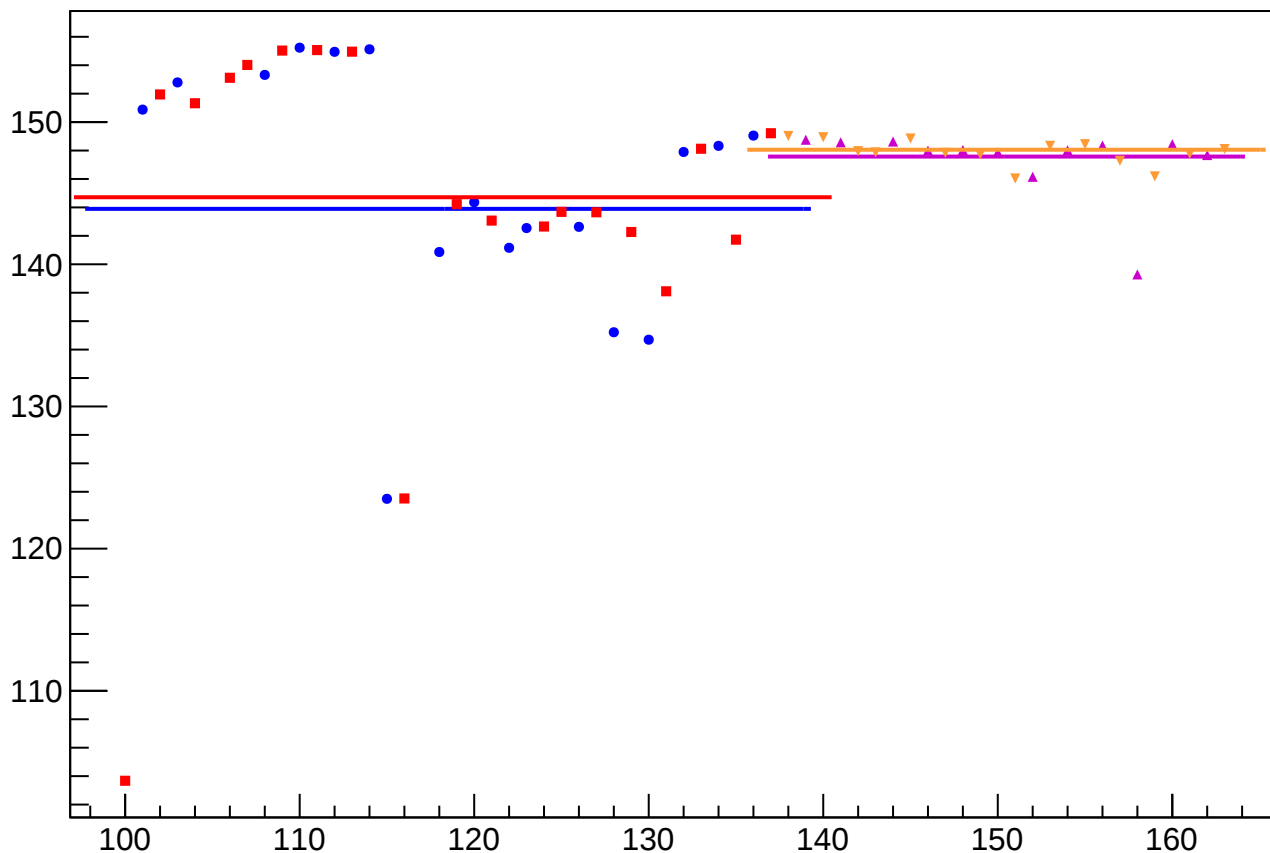
Right: 0.321+/-0.000 χ^2/NDF : 2503090.8/35

In: 0.356+/-0.000 χ^2/NDF : 2237548.1/28

Out: 0.357+/-0.000 χ^2/NDF : 2309594.8/32

All: 0.357+/-0.000 χ^2/NDF : 4547198.5/61

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16

Left Out: 148.056 $\pm$ 0.000 χ^2 /NDF: 48942699.4/13

Right Out: 144.715 $\pm$ 0.000 χ^2 /NDF: 4474458988.7/18

Left In: 147.576 $\pm$ 0.000 χ^2 /NDF: 318756342.0/11

Left: 147.828 $\pm$ 0.000 χ^2 /NDF: 374882760.9/25

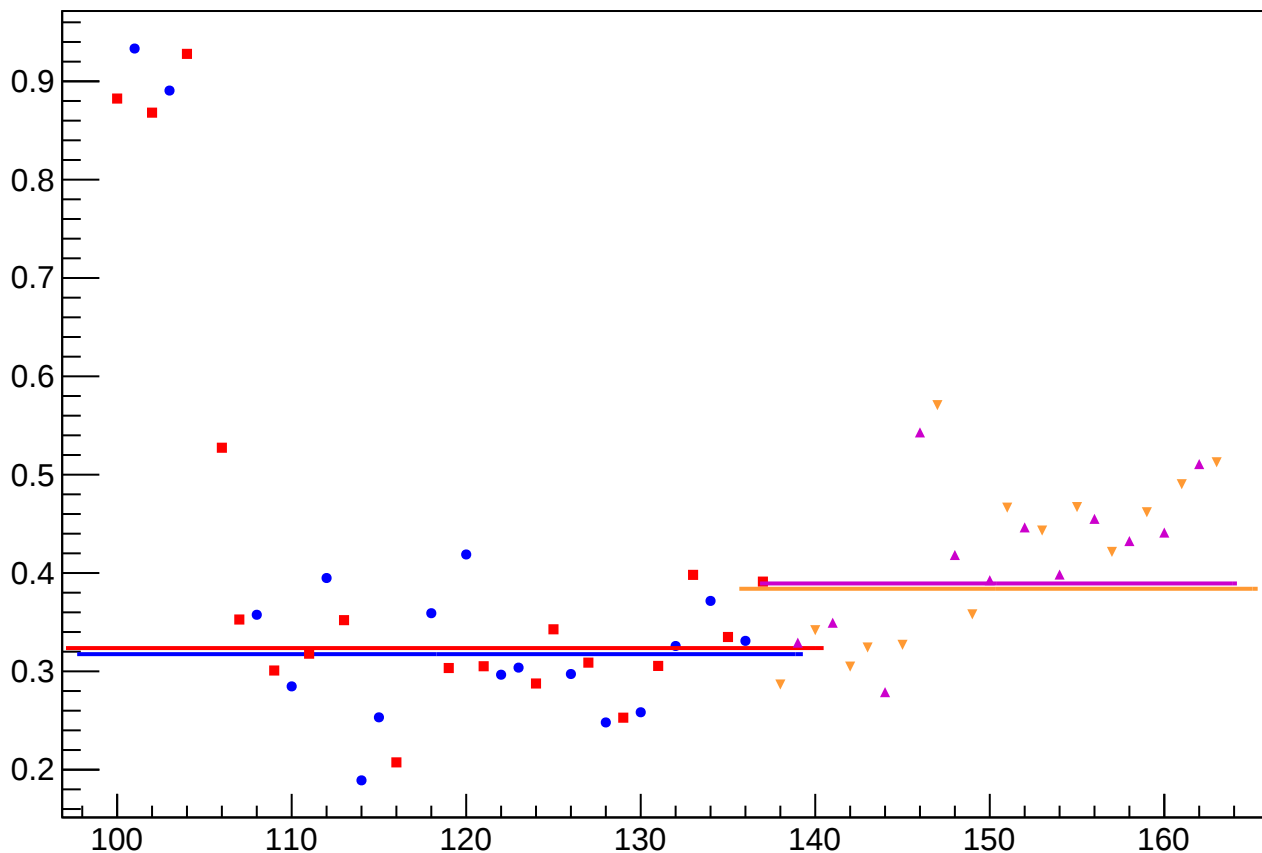
Right: 144.309 $\pm$ 0.000 χ^2 /NDF: 8242891510.2/35

In: 145.804 $\pm$ 0.000 χ^2 /NDF: 4456262414.6/28

Out: 146.517 $\pm$ 0.000 χ^2 /NDF: 4860363399.1/32

All: 146.171 $\pm$ 0.000 χ^2 /NDF: 9346686959.8

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.384+/-0.000 χ^2/NDF : 840821.9/13

Right Out: 0.324+/-0.000 χ^2/NDF : 1221676.7/18

Left In: 0.389+/-0.000 χ^2/NDF : 639838.1/11

Left: 0.387+/-0.000 χ^2/NDF : 1482481.1/25

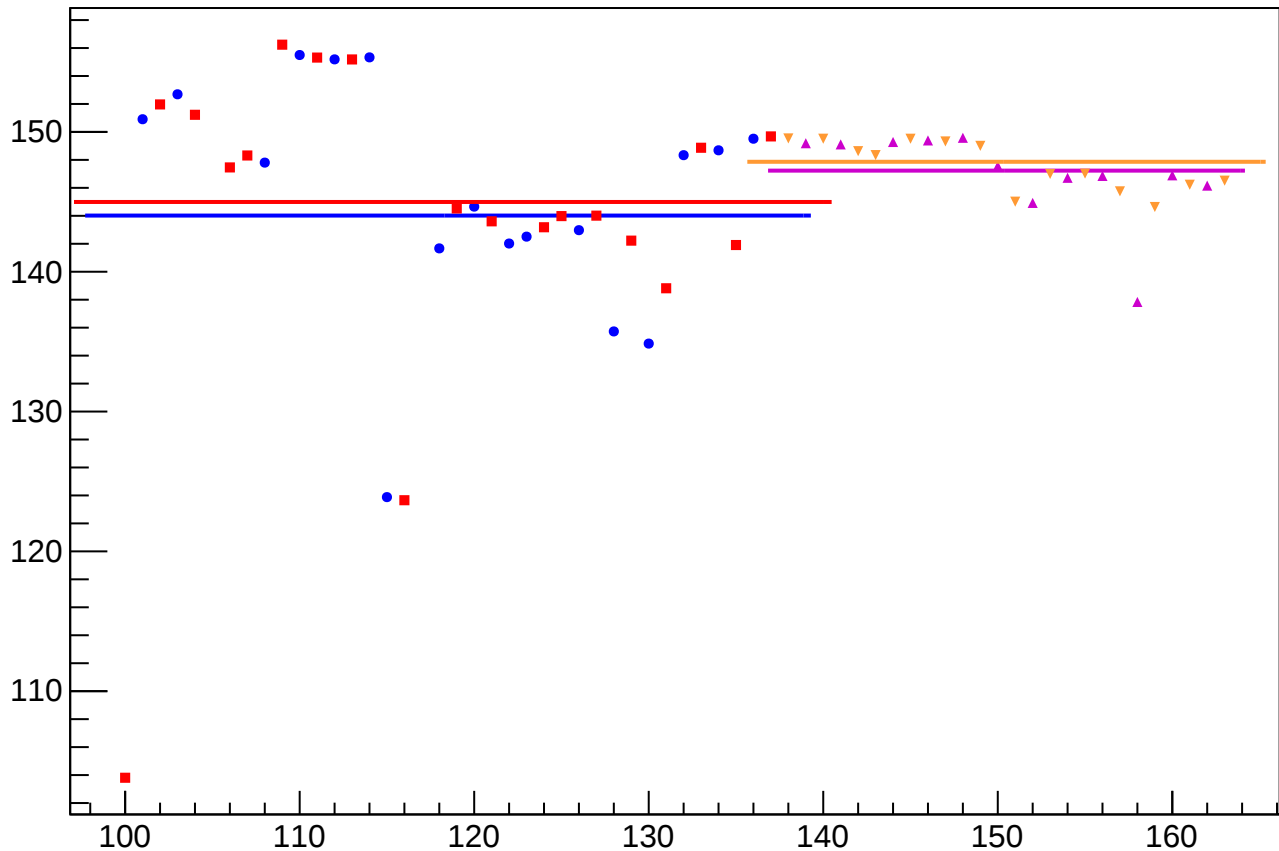
Right: 0.321+/-0.000 χ^2/NDF : 2516974.9/35

In: 0.355+/-0.000 χ^2/NDF : 2229225.3/28

Out: 0.356+/-0.000 χ^2/NDF : 2282085.8/32

All: 0.355+/-0.000 χ^2/NDF : 4511564.4/61

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.018 ± 0.000 $\chi^2/\text{NDF}: 3238525527.6/16$

Left Out: 147.864 ± 0.000 $\chi^2/\text{NDF}: 170908671.5/13$

Right Out: 144.990 ± 0.000 $\chi^2/\text{NDF}: 3853449012.9/18$

Left In: 147.232 ± 0.000 $\chi^2/\text{NDF}: 482129384.7/11$

Left: 147.564 ± 0.000 $\chi^2/\text{NDF}: 664552813.9/25$

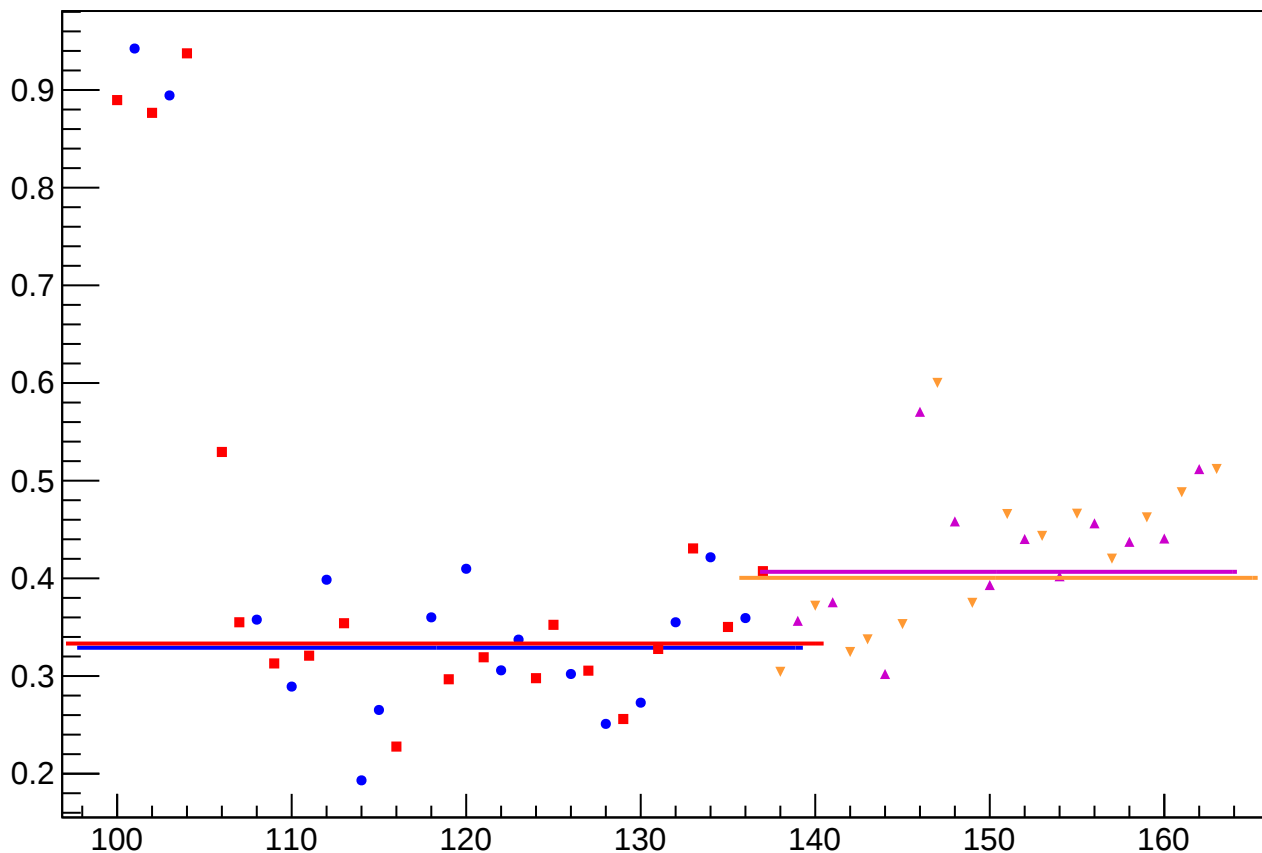
Right: 144.510 ± 0.000 $\chi^2/\text{NDF}: 7116582298.0/35$

In: 145.677 ± 0.000 $\chi^2/\text{NDF}: 3994775650.4/28$

Out: 146.526 ± 0.000 $\chi^2/\text{NDF}: 4257172943.5/32$

All: 146.115 ± 0.000 $\chi^2/\text{NDF}: 8291478460.7$

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.329 $\pm$ 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.401 $\pm$ 0.000 χ^2/NDF : 657949.4/13

Right Out: 0.333 $\pm$ 0.000 χ^2/NDF : 1182496.7/18

Left In: 0.407 $\pm$ 0.000 χ^2/NDF : 492262.0/11

Left: 0.403 $\pm$ 0.000 χ^2/NDF : 1152412.4/25

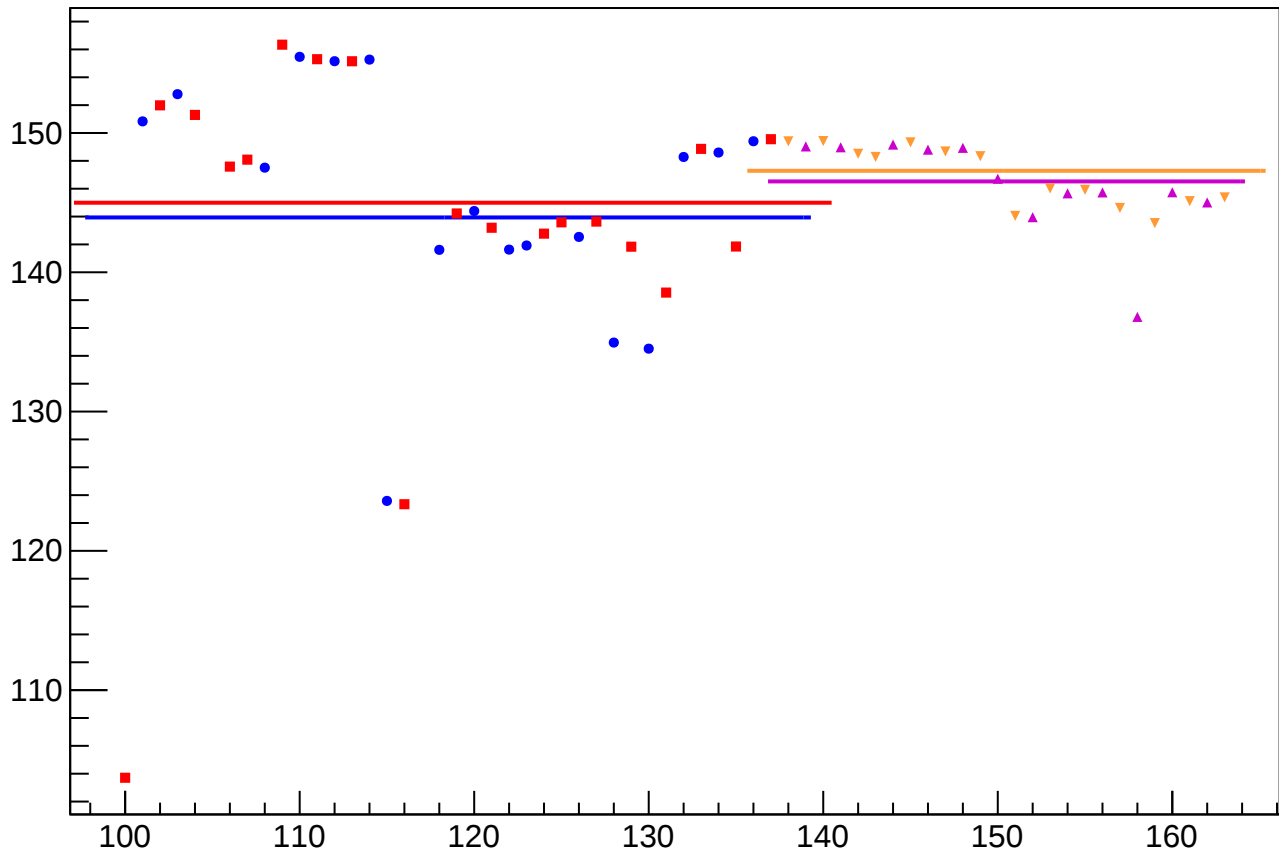
Right: 0.331 $\pm$ 0.000 χ^2/NDF : 2459580.1/35

In: 0.369 $\pm$ 0.000 χ^2/NDF : 2089034.5/28

Out: 0.369 $\pm$ 0.000 χ^2/NDF : 2095287.4/32

All: 0.369 $\pm$ 0.000 χ^2/NDF : 4184323.2/61

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 147.286 $\pm$ 0.000 χ^2 /NDF: 259587424.2/13

Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3934069043.2/18

Left In: 146.524 $\pm$ 0.000 χ^2 /NDF: 588723902.7/11

Left: 146.924 $\pm$ 0.000 χ^2 /NDF: 864935896.2/25

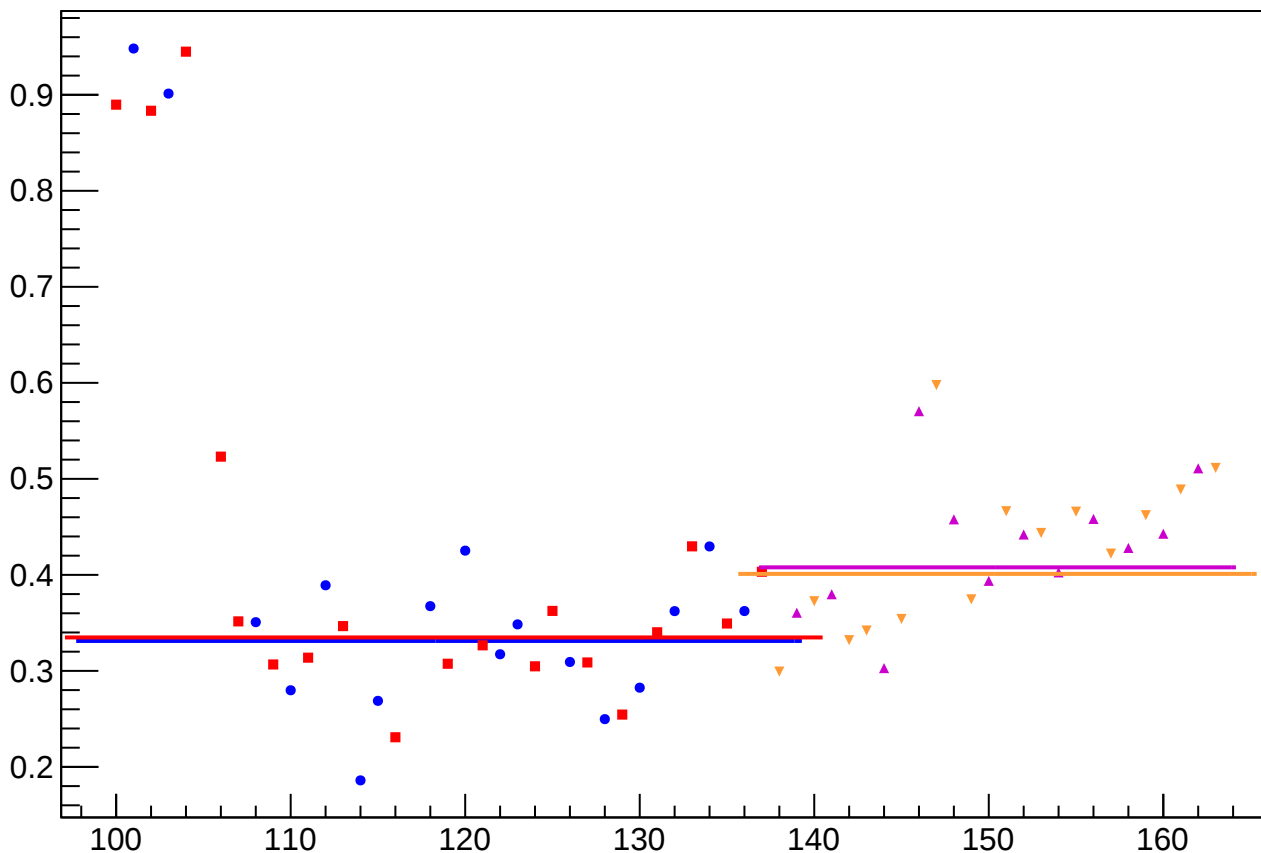
Right: 144.474 $\pm$ 0.000 χ^2 /NDF: 7341982360.6/35

In: 145.279 $\pm$ 0.000 χ^2 /NDF: 4143324313.8/28

Out: 146.223 $\pm$ 0.000 χ^2 /NDF: 4340395969.0/32

All: 145.767 $\pm$ 0.000 χ^2 /NDF: 8532110260.3

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.331+/-0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.401+/-0.000 χ^2/NDF : 656571.4/13

Right Out: 0.335+/-0.000 χ^2/NDF : 1172239.8/18

Left In: 0.408+/-0.000 χ^2/NDF : 476714.5/11

Left: 0.404+/-0.000 χ^2/NDF : 1135941.0/25

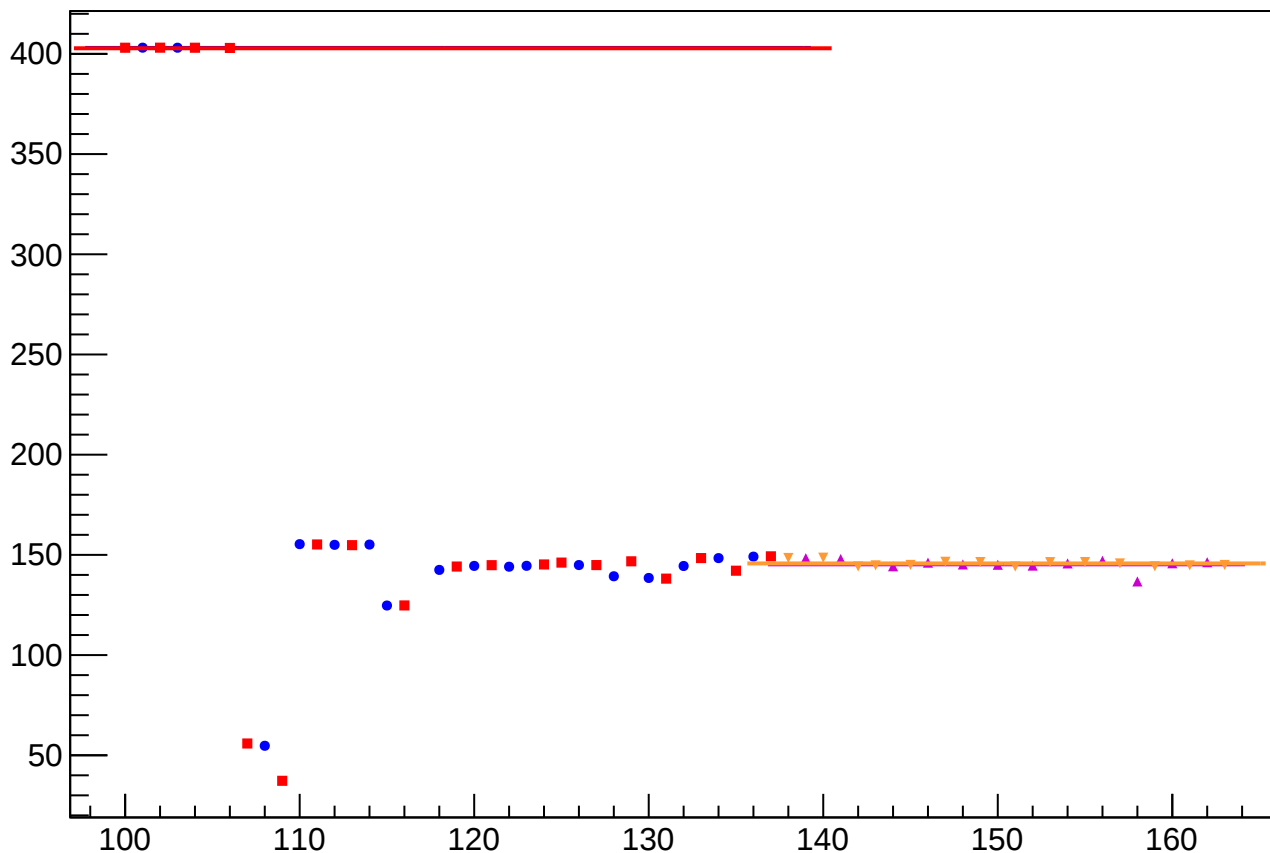
Right: 0.333+/-0.000 χ^2/NDF : 2468673.8/35

In: 0.371+/-0.000 χ^2/NDF : 2080539.1/28

Out: 0.370+/-0.000 χ^2/NDF : 2073811.7/32

All: 0.371+/-0.000 χ^2/NDF : 4154393.9/61

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000

χ^2/NDF : 1096710296821.6/16

Left: 145.513+/-0.000

χ^2/NDF : 170779145.2/25

Left Out: 145.731+/-0.000

χ^2/NDF : 40000165.9/13

Right: 402.873+/-0.000

χ^2/NDF : 4201017642924.7/3

Right Out: 402.799+/-0.000

χ^2/NDF : 3103890772575.4/18

In: 402.808+/-0.000

χ^2/NDF : 2293101469949.0/28

Left In: 145.281+/-0.000

χ^2/NDF : 128890344.2/11

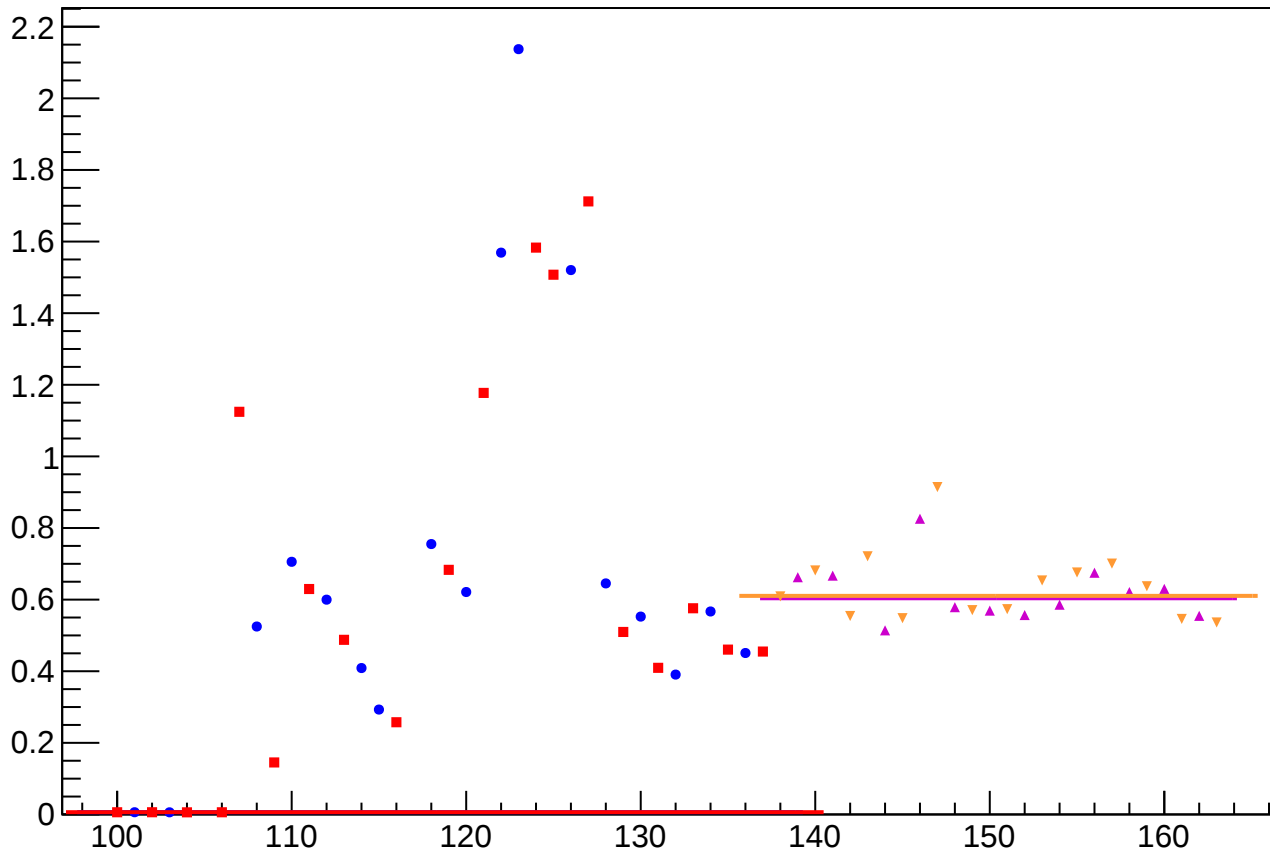
Out: 402.658+/-0.000

χ^2/NDF : 4379742907300.7/3

All: 402.728+/-0.000

χ^2/NDF : 667321877348.0/3

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.610+/-0.000 χ^2/NDF : 247826.7/13

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

Left In: 0.604+/-0.000 χ^2/NDF : 168539.6/11

Left: 0.607+/-0.000 χ^2/NDF : 417202.5/25

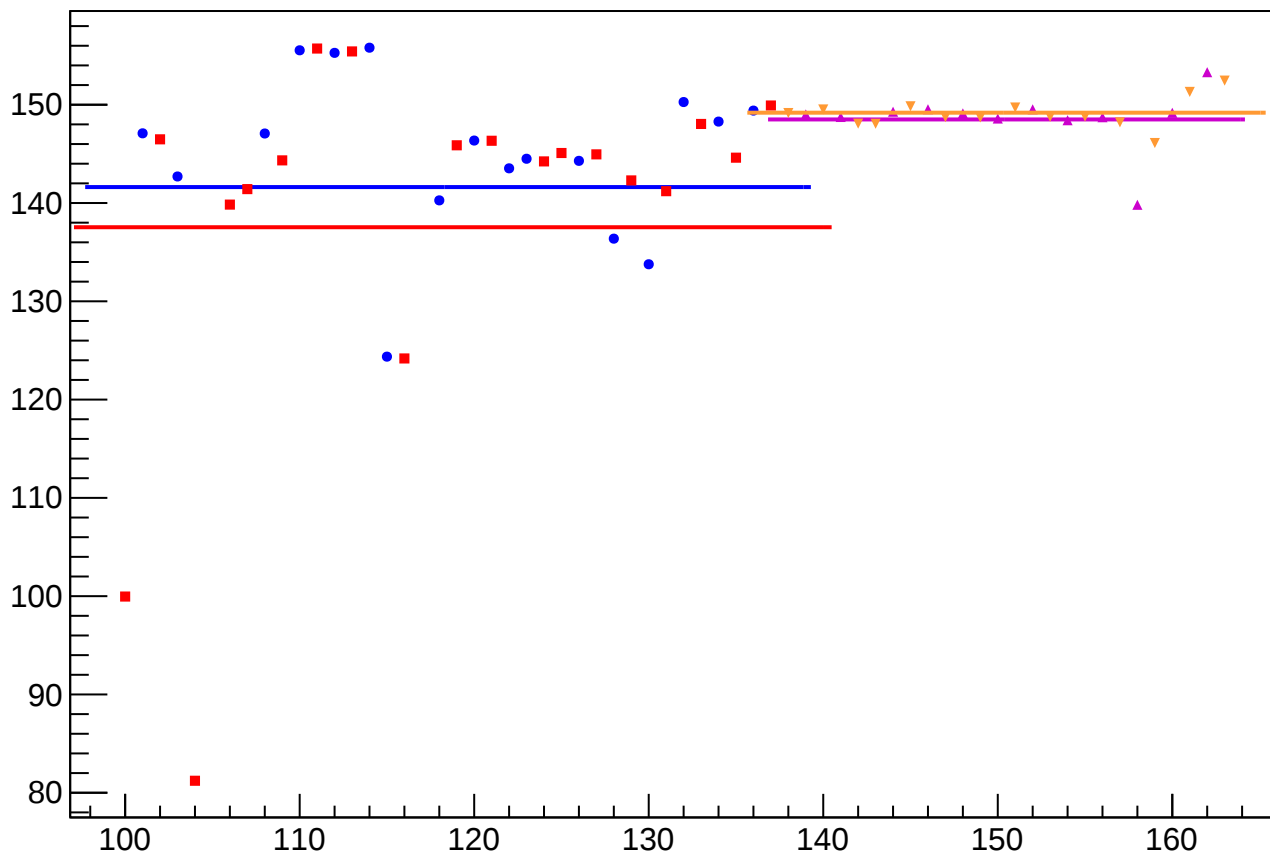
Right: 0.006+/-0.000 χ^2/NDF : 18373456.3/35

In: 0.007+/-0.000 χ^2/NDF : 22191352.2/28

Out: 0.007+/-0.000 χ^2/NDF : 23553526.6/32

All: 0.007+/-0.000 χ^2/NDF : 45744901.3/61

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16

Left Out: 149.190 $\pm$ 0.000 χ^2 /NDF: 80176321.2/13

Right Out: 137.536 $\pm$ 0.000 χ^2 /NDF: 1315768553.6/18

Left In: 148.502 $\pm$ 0.000 χ^2 /NDF: 310768141.0/11

Left: 148.863 $\pm$ 0.000 χ^2 /NDF: 398573449.4/25

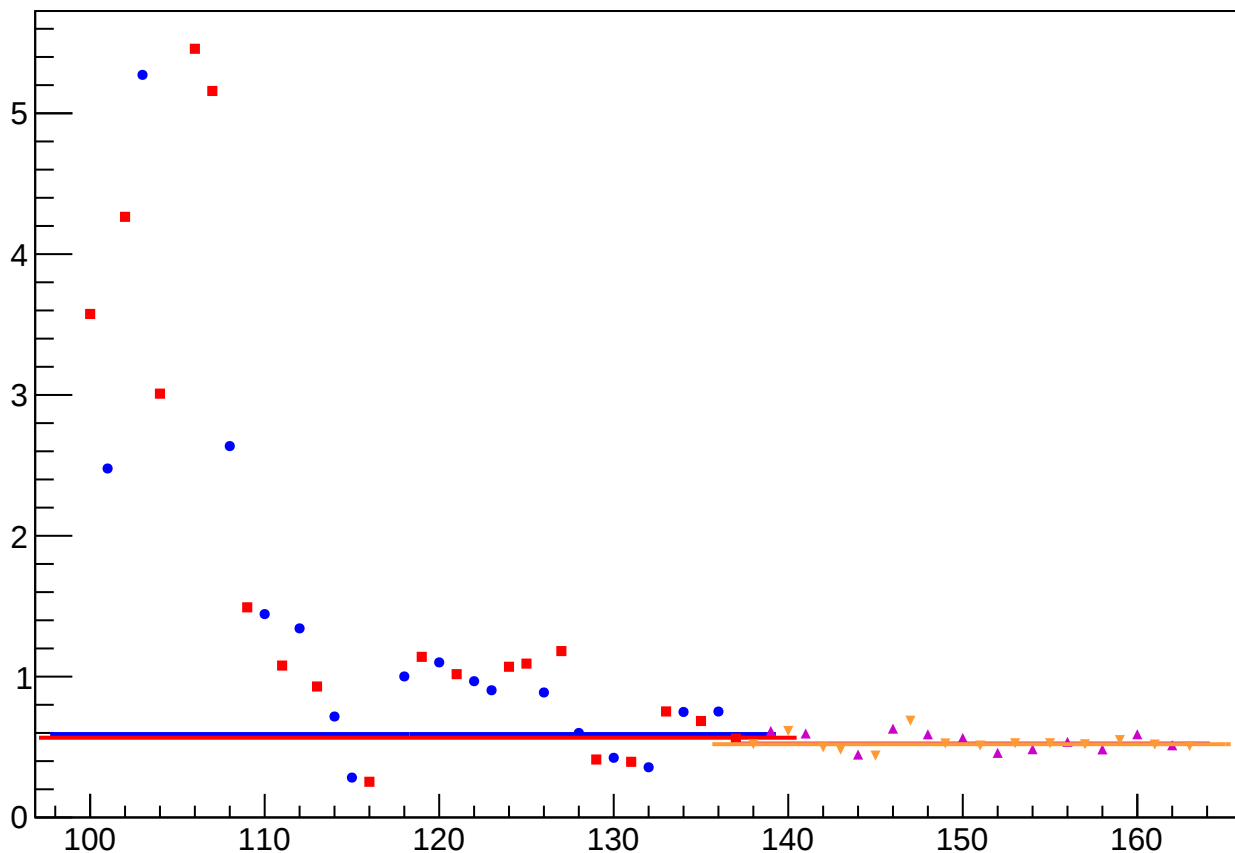
Right: 139.530 $\pm$ 0.000 χ^2 /NDF: 2384319562.8/35

In: 146.799 $\pm$ 0.000 χ^2 /NDF: 1653238186.5/28

Out: 146.409 $\pm$ 0.000 χ^2 /NDF: 2494211415.3/32

All: 146.596 $\pm$ 0.000 χ^2 /NDF: 4150678171.6

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.520 $\pm$ 0.000 χ^2 /NDF:169294.3/13

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4682140.9/18

Left In: 0.524 $\pm$ 0.000 χ^2 /NDF:221964.7/11

Left: 0.522 $\pm$ 0.000 χ^2 /NDF: 391887.3/25

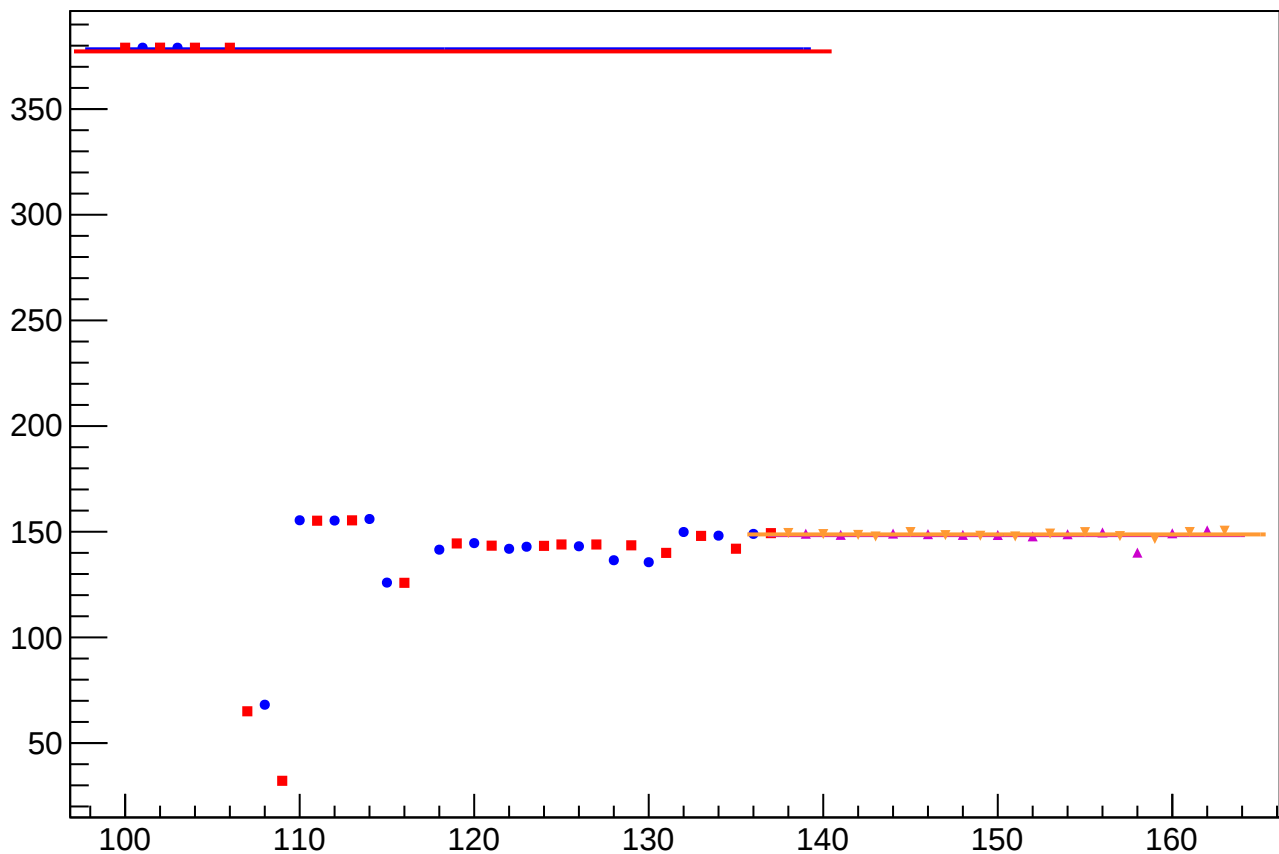
Right: 0.579 $\pm$ 0.000 χ^2 /NDF: 8210771.7/35

In: 0.541 $\pm$ 0.000 χ^2 /NDF:3813471.9/28

Out: 0.531 $\pm$ 0.000 χ^2 /NDF:4885793.6/32

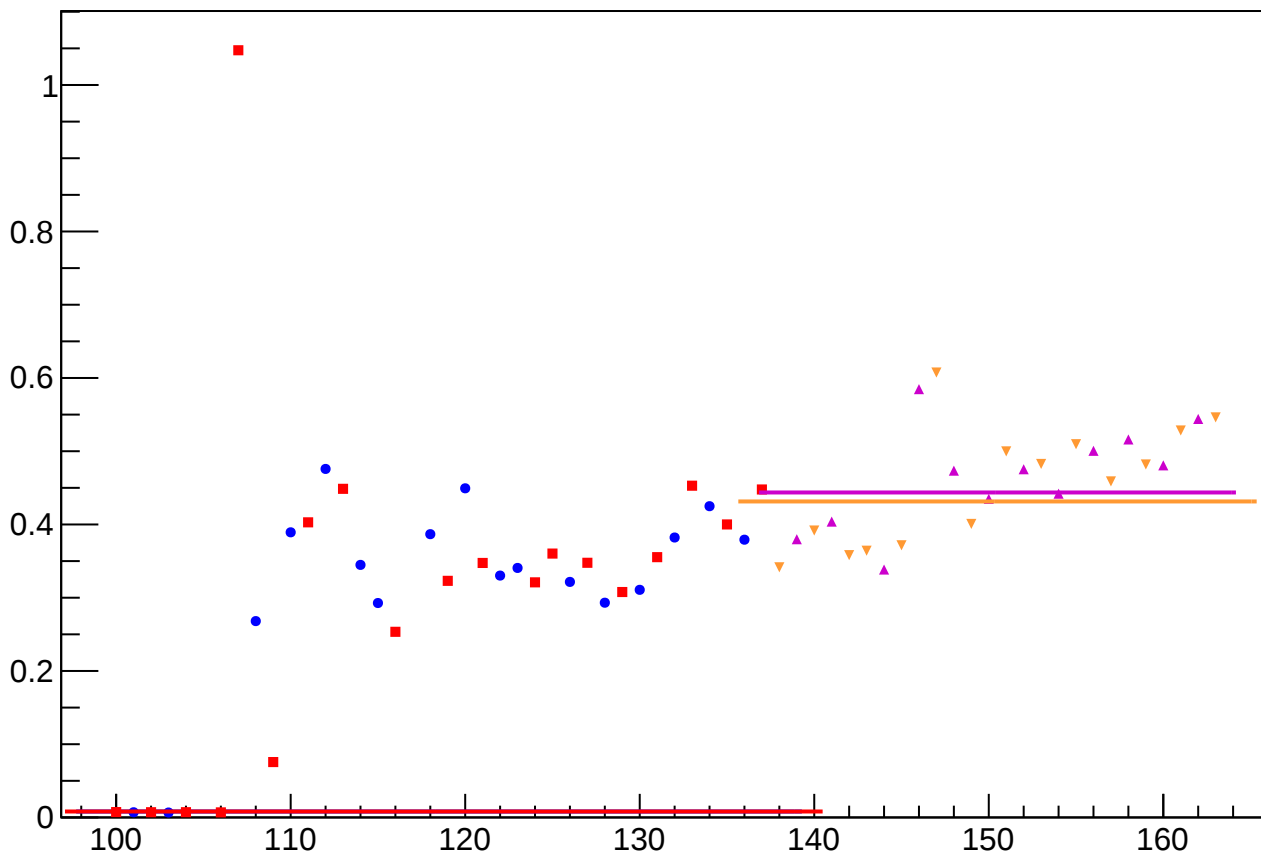
All: 0.536 $\pm$ 0.000 χ^2 /NDF: 8703695.2/61

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.281 +/- 0.000 χ^2/NDF : 2512261599188.1/16
 Left Out: 148.734 +/- 0.000 χ^2/NDF : 51771128.0/13
 Right Out: 377.289 +/- 0.000 χ^2/NDF : 8279468194444.1/18
 Left In: 148.403 +/- 0.000 χ^2/NDF : 223405061.9/11
 All: 376.956 +/- 0.000 χ^2/NDF : 16003358096

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.431 $\pm$ 0.000 χ^2/NDF : 586286.5/13

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9535410.6/18

Left In: 0.444 $\pm$ 0.000 χ^2/NDF : 431658.9/11

Left: 0.437 $\pm$ 0.000 χ^2/NDF : 1025387.8/25

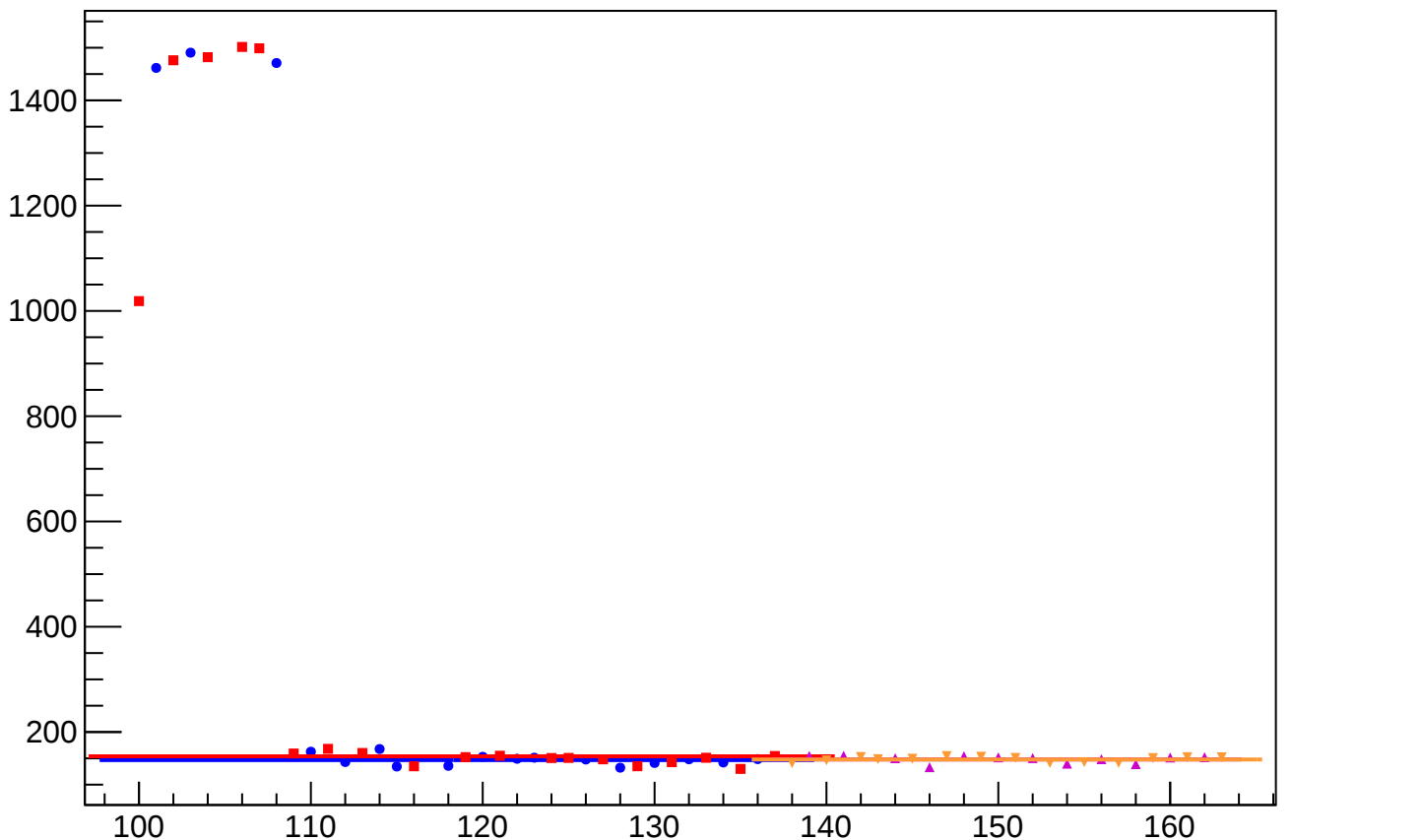
Right: 0.008 $\pm$ 0.000 χ^2/NDF : 19421175.8/35

In: 0.010 $\pm$ 0.000 χ^2/NDF : 27931332.5/28

Out: 0.010 $\pm$ 0.000 χ^2/NDF : 28995045.9/32

All: 0.010 $\pm$ 0.000 χ^2/NDF : 56926391.6/61

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 147.811+/-0.000 χ^2/NDF : 239107611.9/13

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

Left In: 147.963+/-0.000 χ^2/NDF : 448987097.8/11

Left: 147.884+/-0.000 χ^2/NDF : 688211143.0/25

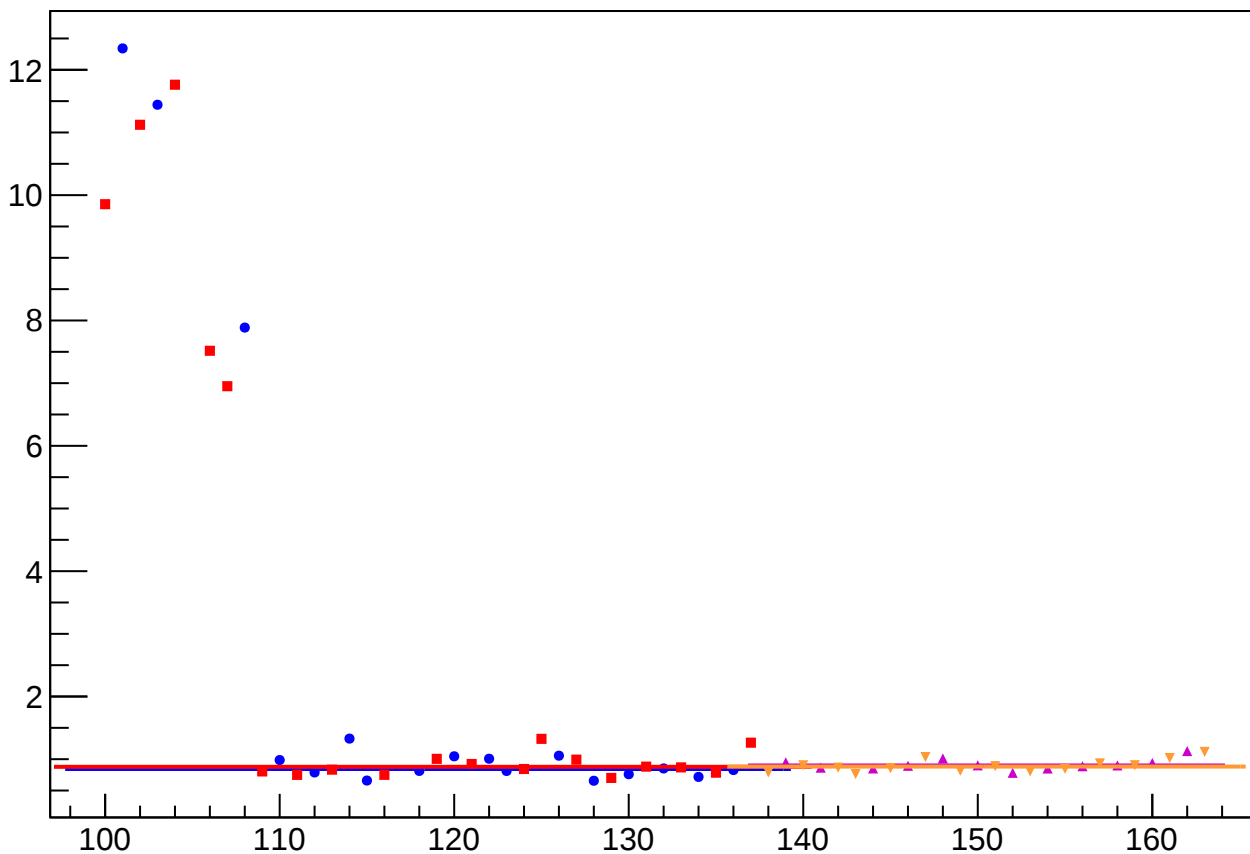
Right: 150.283+/-0.000 χ^2/NDF : 58225591435.1/35

In: 147.519+/-0.000 χ^2/NDF : 24805148025.5/28

Out: 149.840+/-0.000 χ^2/NDF : 34107344875.4/32

All: 148.713+/-0.000 χ^2/NDF : 58953922046.0/66

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.882+/-0.000 χ^2/NDF :174928.6/13

Right Out: 0.878+/-0.000 χ^2/NDF : 2812500.6/18

Left In: 0.900+/-0.000 χ^2/NDF :117052.9/11

Left: 0.890+/-0.000 χ^2/NDF : 295109.5/25

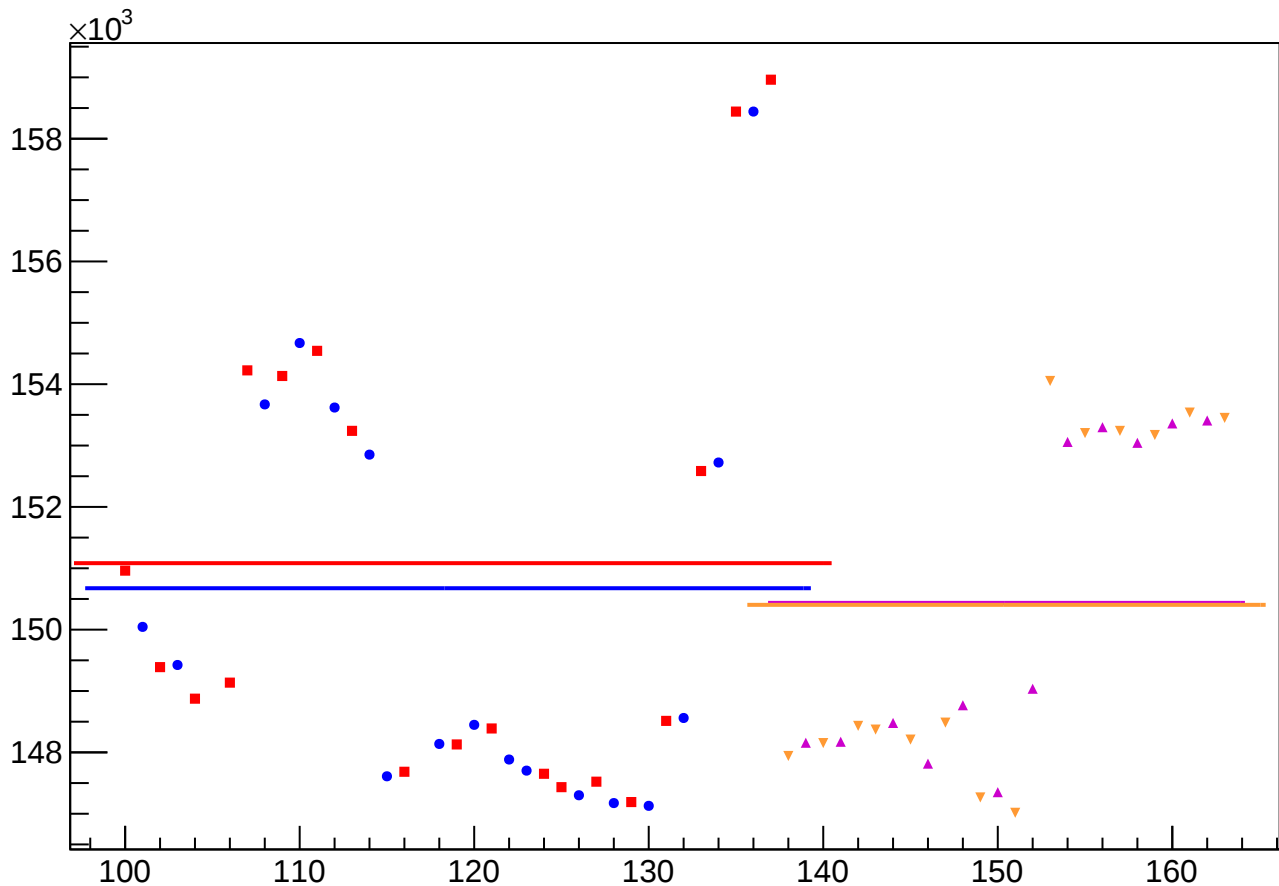
Right: 0.861+/-0.000 χ^2/NDF : 5489376.5/35

In: 0.880+/-0.000 χ^2/NDF :2809166.4/28

Out: 0.881+/-0.000 χ^2/NDF :2987530.1/32

All: 0.880+/-0.000 χ^2/NDF : 5796718.4/61

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 150675.025 $\pm$ 0.063

χ^2 /NDF: 3309974859.4/16

Left: 150419.268 $\pm$ 0.042

χ^2 /NDF: 3837758225.7/2

Right: 150890.022 $\pm$ 0.043

χ^2 /NDF: 6632946370.1/1

Left Out: 150404.170 $\pm$ 0.058

χ^2 /NDF: 2249483017.7/13

Right Out: 151083.268 $\pm$ 0.060

χ^2 /NDF: 3300830370.5/18

In: 150553.255 $\pm$ 0.044

χ^2 /NDF: 4905446855.3/28

Out: 150736.401 $\pm$ 0.042

χ^2 /NDF: 5616423308.0/3

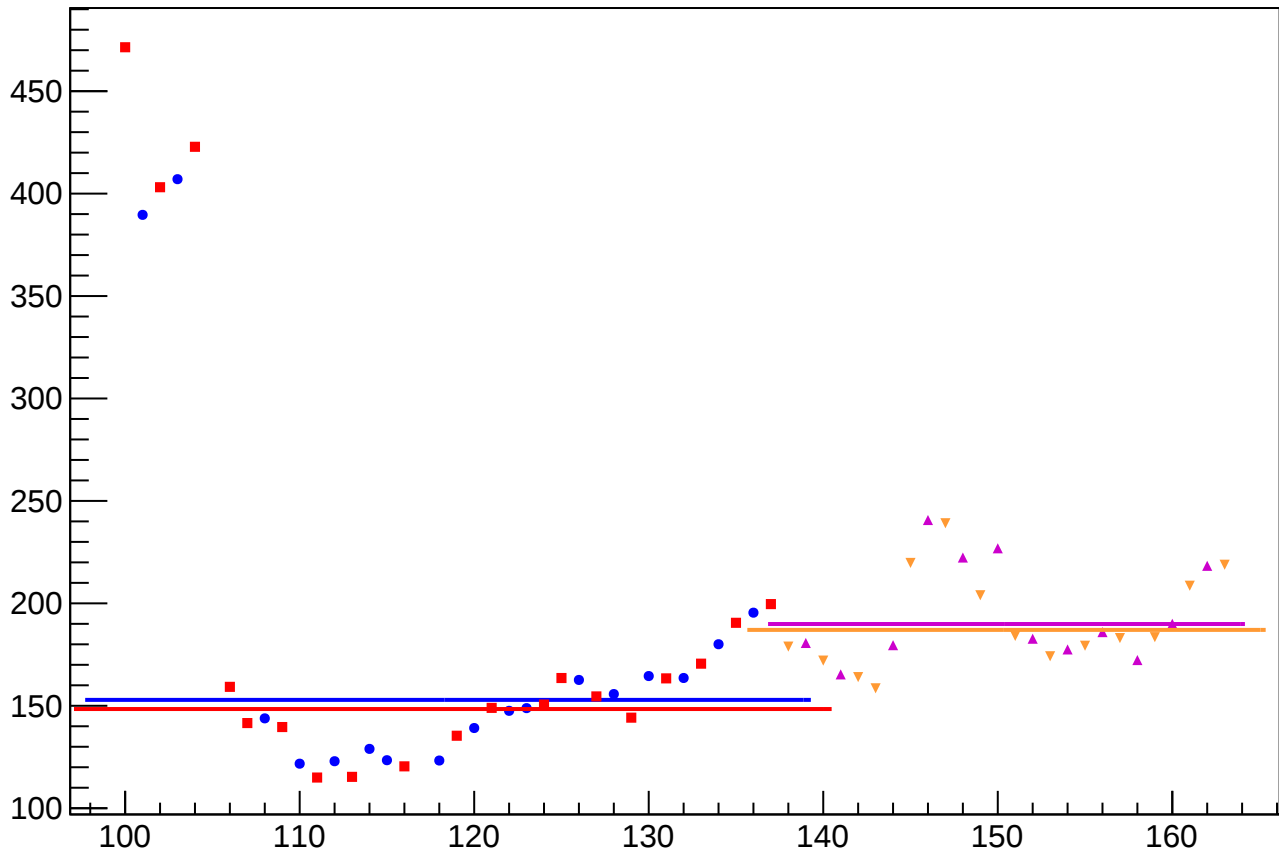
Left In: 150436.135 $\pm$ 0.062

χ^2 /NDF: 1588133794.3/11

All: 150649.804 $\pm$ 0.030

χ^2 /NDF: 105309684.0/1

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 187.044 $\pm$ 0.041 χ^2 /NDF:254009.5/13

Right Out: 148.418 $\pm$ 0.042 χ^2 /NDF: 1191577.6/18

Left In: 189.915 $\pm$ 0.044 χ^2 /NDF:250100.1/11

Left: 188.400 $\pm$ 0.030 χ^2 /NDF: 506392.4/25

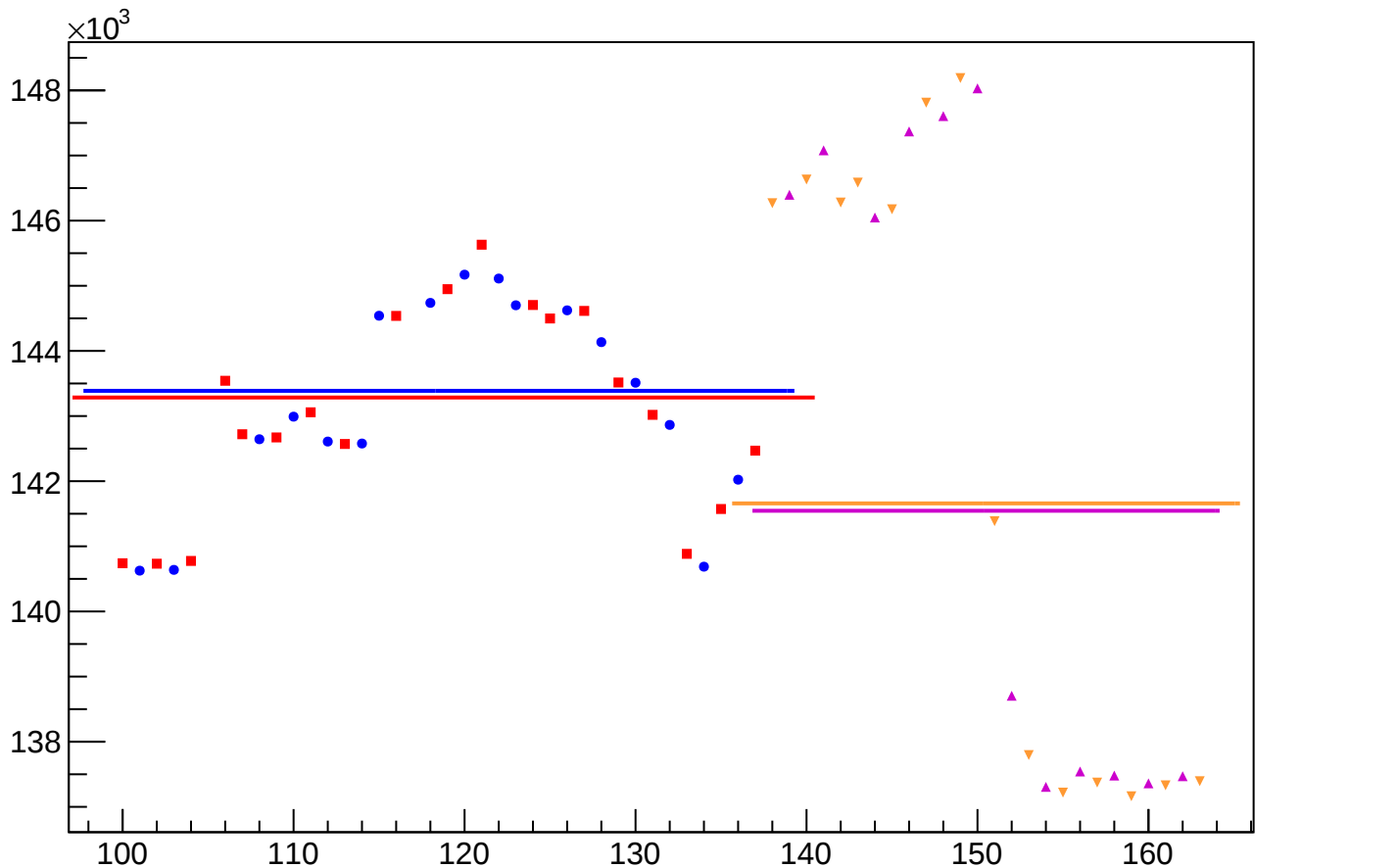
Right: 150.532 $\pm$ 0.031 χ^2 /NDF: 2350963.4/35

In: 171.760 $\pm$ 0.031 χ^2 /NDF:1756869.7/28

Out: 168.147 $\pm$ 0.030 χ^2 /NDF:1873326.0/32

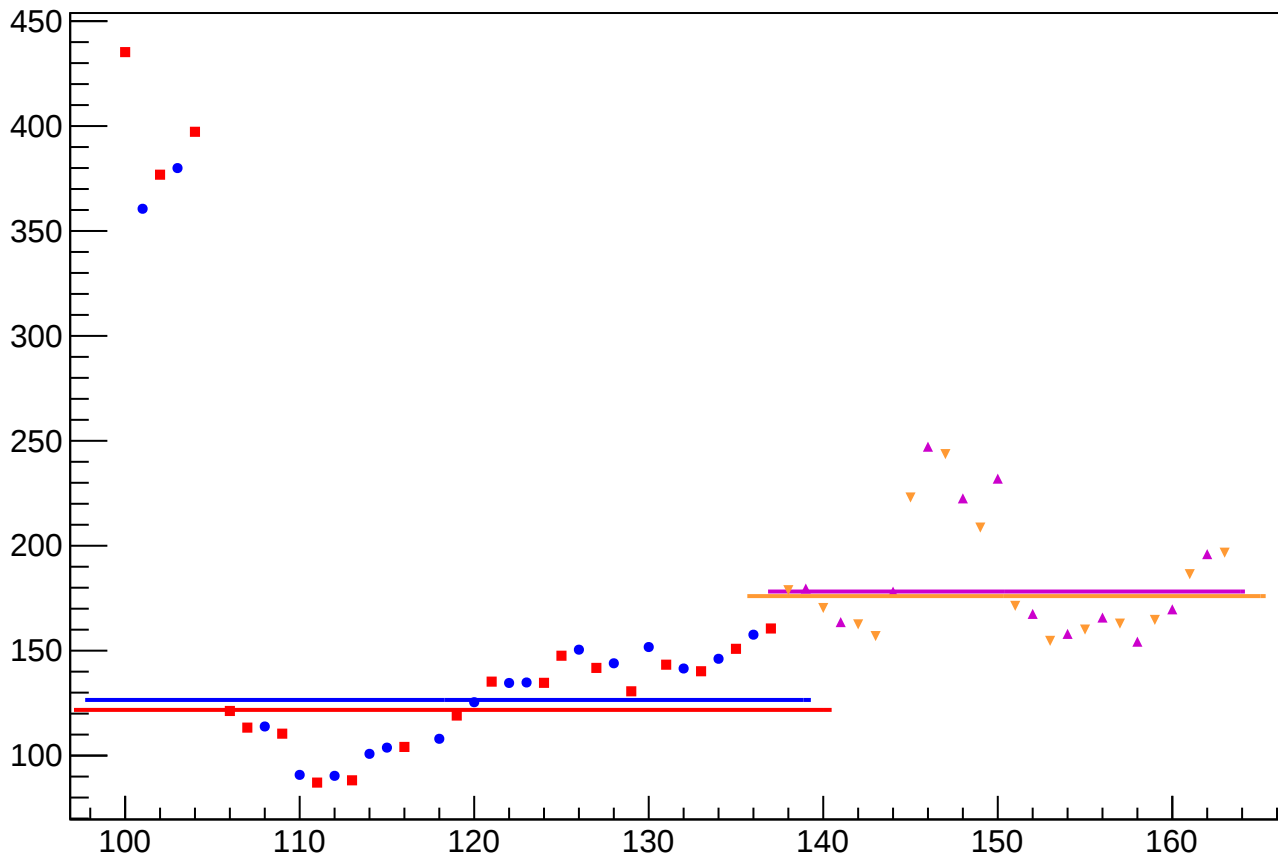
All: 169.855 $\pm$ 0.021 χ^2 /NDF: 3637275.8/61

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143387.099 $\pm$ 0.053 χ^2/NDF : 521299875.7/16
 Left Out: 141659.035 $\pm$ 0.055 χ^2/NDF : 6701124339.6/13
 Right Out: 143284.757 $\pm$ 0.049 χ^2/NDF : 608634820.1/18
 Left In: 141545.706 $\pm$ 0.058 χ^2/NDF : 6336667480.0/11
 Left: 141605.430 $\pm$ 0.040 χ^2/NDF : 13039789759.4
 Right: 143332.291 $\pm$ 0.036 χ^2/NDF : 1131952524.8
 In: 142557.154 $\pm$ 0.039 χ^2/NDF : 7407737279.0/28
 Out: 142565.791 $\pm$ 0.037 χ^2/NDF : 7794577915.3/3
 All: 142561.747 $\pm$ 0.027 χ^2/NDF : 15202341

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 176.001 $\pm$ 0.039 χ^2 /NDF:338766.2/13

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

Left In: 178.184 $\pm$ 0.041 χ^2 /NDF:388345.4/11

Left: 177.034 $\pm$ 0.028 χ^2 /NDF: 728593.5/25

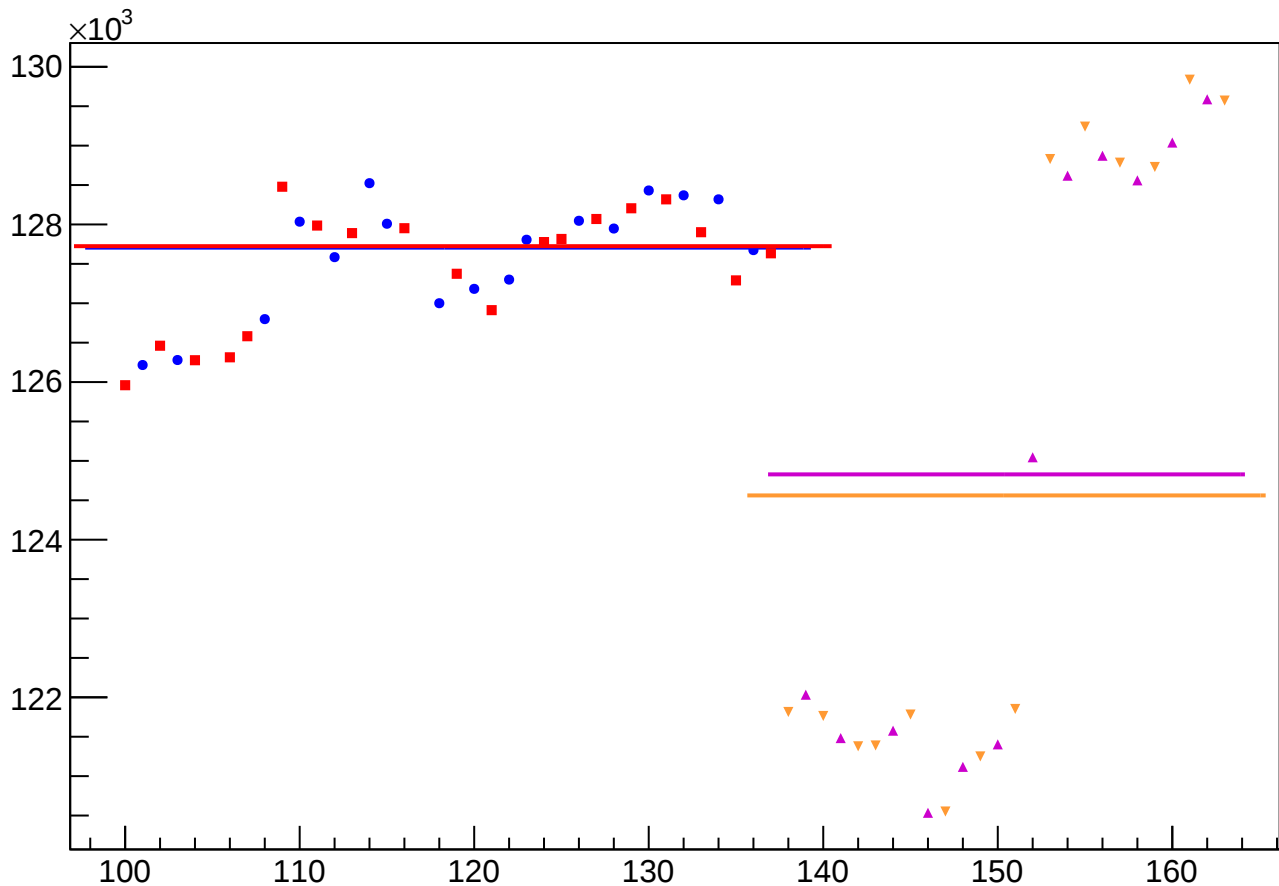
Right: 123.975 $\pm$ 0.025 χ^2 /NDF: 2914178.1/35

In: 149.802 $\pm$ 0.028 χ^2 /NDF:2695783.6/28

Out: 145.755 $\pm$ 0.026 χ^2 /NDF:2881504.5/32

All: 147.650 $\pm$ 0.019 χ^2 /NDF: 5588699.3/61

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 124561.754 $\pm$ 0.053 χ^2 /NDF: 4834109918.7/13

Right Out: 127724.256 $\pm$ 0.055 χ^2 /NDF: 112614317.2/18

Left In: 124828.756 $\pm$ 0.054 χ^2 /NDF: 4314659964.8/11

Left: 124694.593 $\pm$ 0.038 χ^2 /NDF: 9161178602.9/2

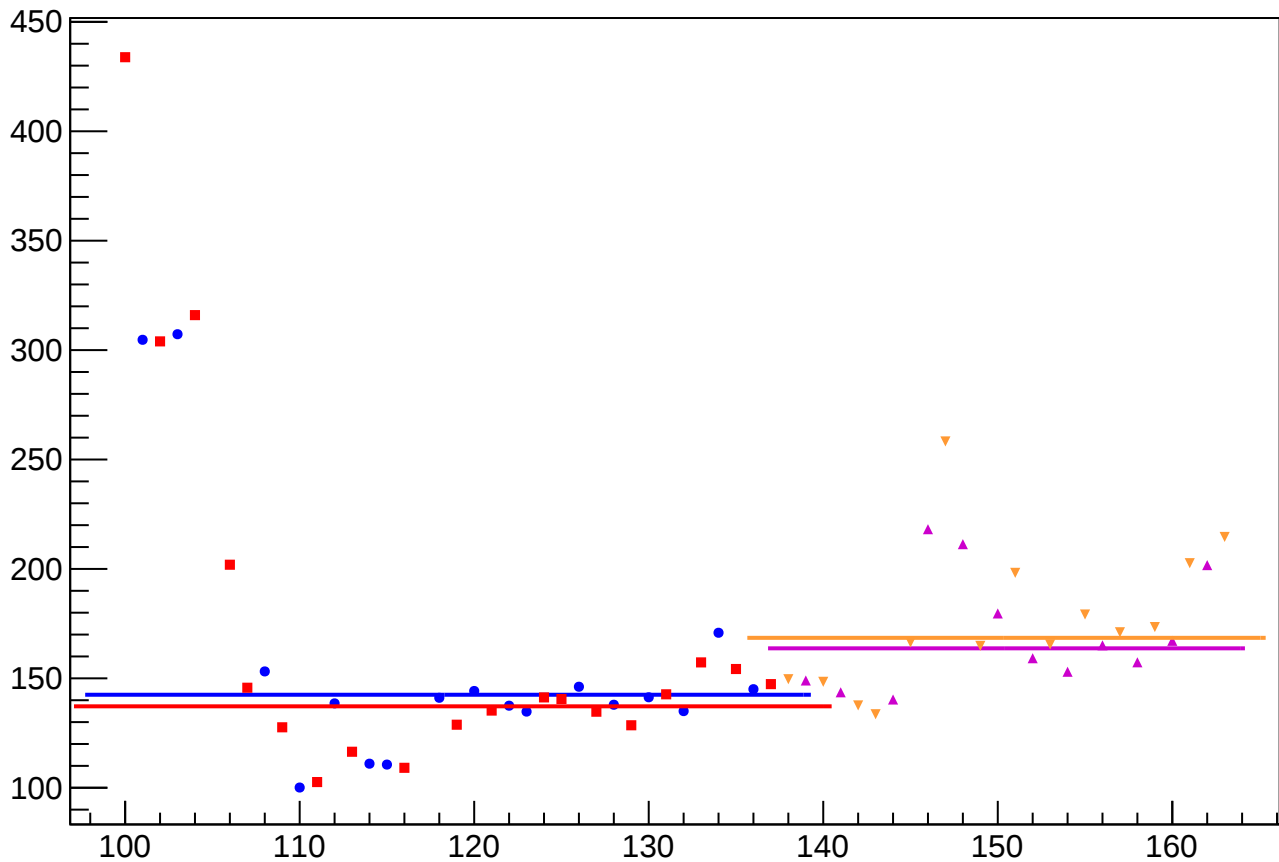
Right: 127715.791 $\pm$ 0.040 χ^2 /NDF: 210526259.6/3

In: 126156.188 $\pm$ 0.039 χ^2 /NDF: 5735630762.6/28

Out: 126111.863 $\pm$ 0.038 χ^2 /NDF: 6661784641.6/3

All: 126133.306 $\pm$ 0.027 χ^2 /NDF: 123980676

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 168.512 $\pm$ 0.038 χ^2 /NDF: 521552.2/13

Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

Left In: 163.712 $\pm$ 0.038 χ^2 /NDF: 347577.7/11

Left: 166.124 $\pm$ 0.027 χ^2 /NDF: 877151.3/25

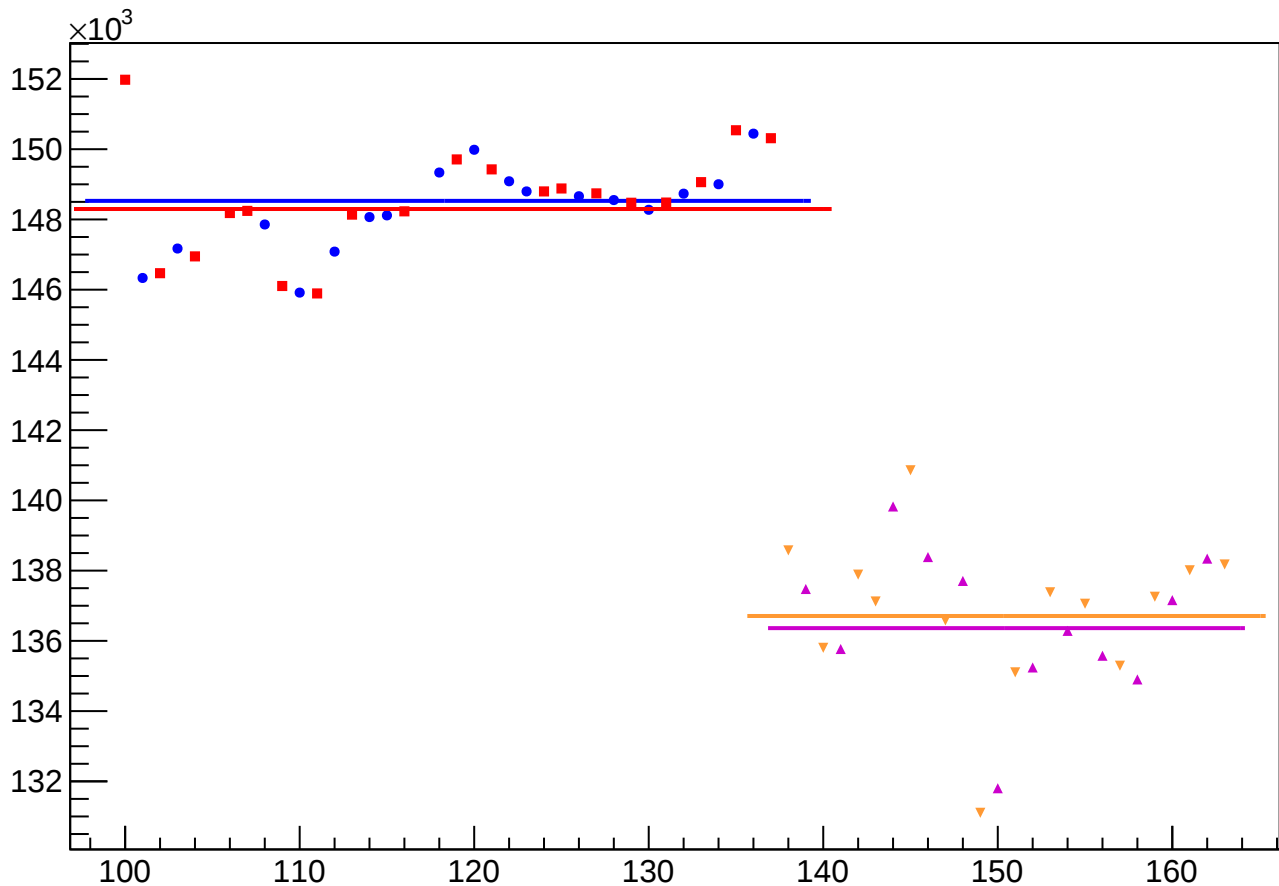
Right: 139.691 $\pm$ 0.028 χ^2 /NDF: 1802403.2/35

In: 153.927 $\pm$ 0.028 χ^2 /NDF: 1327622.6/28

Out: 153.170 $\pm$ 0.027 χ^2 /NDF: 1814876.9/32

All: 153.536 $\pm$ 0.019 χ^2 /NDF: 3142879.9/61

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 136708.274 $\pm$ 0.078 χ^2 /NDF: 809694964.0/13

Right Out: 148297.126 $\pm$ 0.076 χ^2 /NDF: 293244556.5/18

Left In: 136362.657 $\pm$ 0.080 χ^2 /NDF: 626474611.4/11

Left: 136538.136 $\pm$ 0.056 χ^2 /NDF: 1445762164.5/2

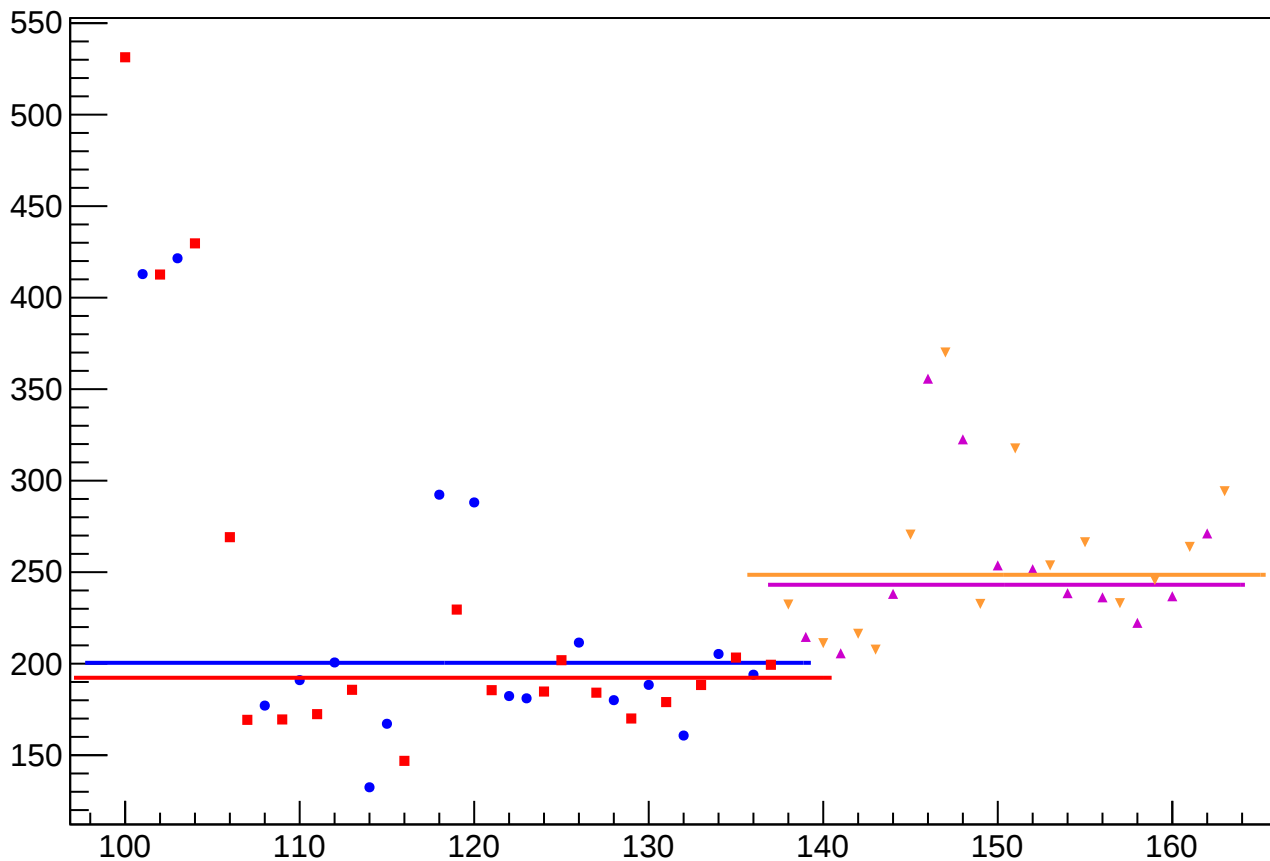
Right: 148404.723 $\pm$ 0.056 χ^2 /NDF: 507501516.8/3

In: 142253.284 $\pm$ 0.057 χ^2 /NDF: 12171708744.7/2

Out: 142643.774 $\pm$ 0.055 χ^2 /NDF: 12324035520.5

All: 142456.988 $\pm$ 0.039 χ^2 /NDF: 24520135

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.472+/-0.058 χ^2/NDF : 936547.2/16

Left Out: 248.566+/-0.055 χ^2/NDF : 436068.4/13

Right Out: 192.304+/-0.054 χ^2/NDF : 844504.1/18

Left In: 243.116+/-0.056 χ^2/NDF : 368255.0/11

Left: 245.883+/-0.039 χ^2/NDF : 809094.1/25

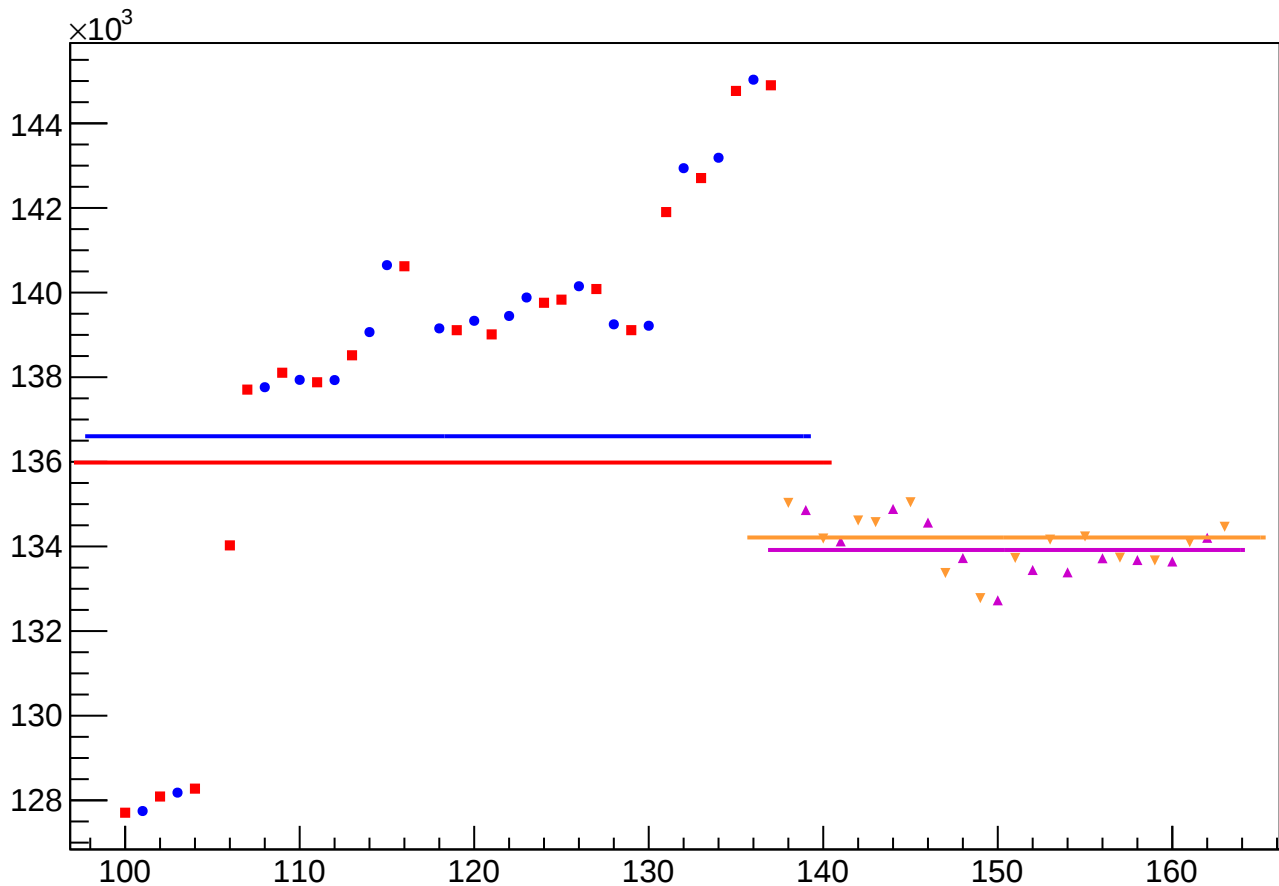
Right: 196.097+/-0.040 χ^2/NDF : 1791663.0/35

In: 222.469+/-0.040 χ^2/NDF : 1583321.9/28

Out: 219.750+/-0.039 χ^2/NDF : 1809513.2/32

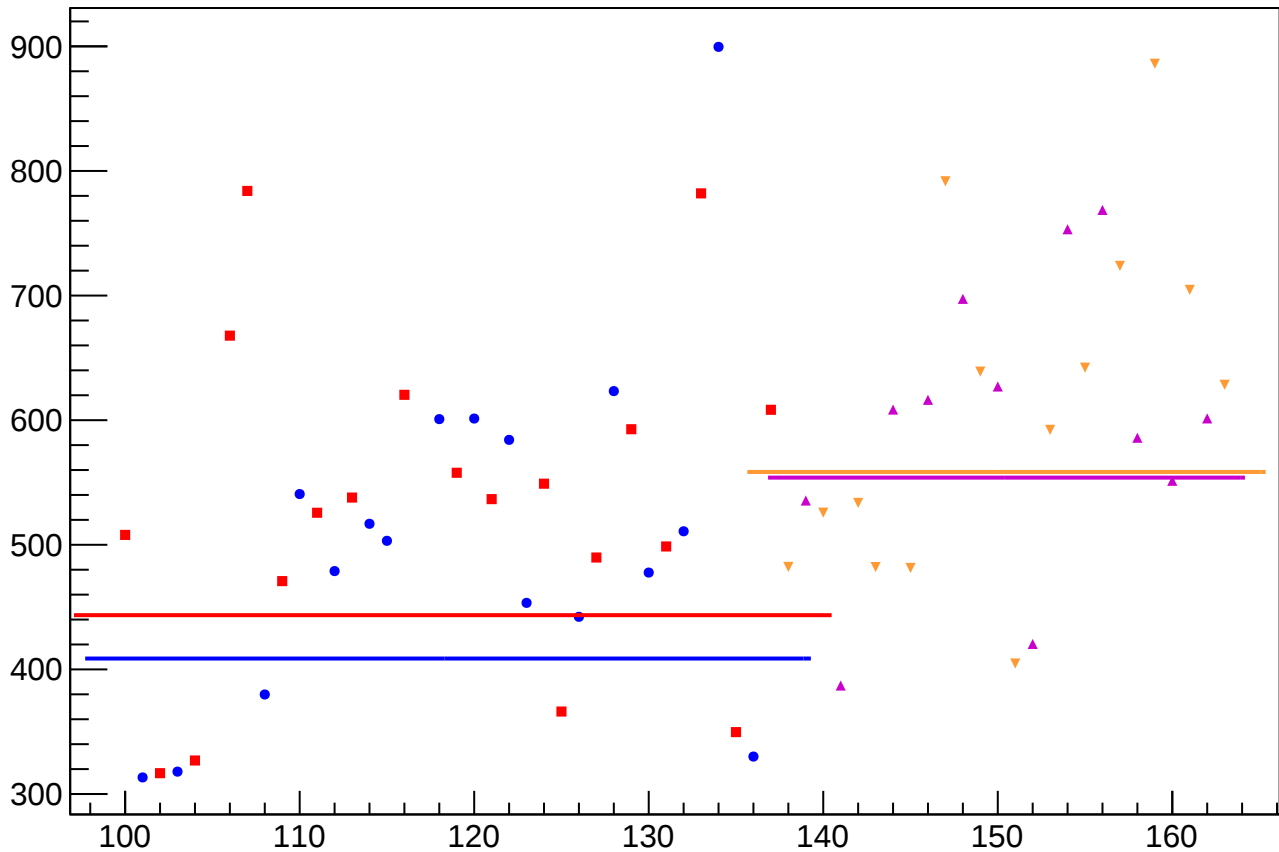
All: 221.050+/-0.028 χ^2/NDF : 3395199.3/61

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 136604.632 $\pm$ 0.171	χ^2 /NDF: 1494354557.3/16	Left: 134072.102 $\pm$ 0.135	χ^2 /NDF: 21367716.7/25
Left Out: 134211.981 $\pm$ 0.186	χ^2 /NDF: 11013199.6/13	Right: 136313.462 $\pm$ 0.125	χ^2 /NDF: 2582945594.6/13
Right Out: 135982.842 $\pm$ 0.183	χ^2 /NDF: 1082431147.9/18	In: 135436.559 $\pm$ 0.129	χ^2 /NDF: 1610333831.8/28
Left In: 133916.695 $\pm$ 0.196	χ^2 /NDF: 9154575.0/11	Out: 135111.109 $\pm$ 0.130	χ^2 /NDF: 1139700471.8/3
		All: 135275.413 $\pm$ 0.092	χ^2 /NDF: 275319002.0/11

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 558.458 $\pm$ 0.131 χ^2 /NDF: 818804.2/13

Right Out: 443.521 $\pm$ 0.129 χ^2 /NDF: 917492.4/18

Left In: 553.905 $\pm$ 0.138 χ^2 /NDF: 704906.6/11

Left: 556.301 $\pm$ 0.095 χ^2 /NDF: 1524281.2/25

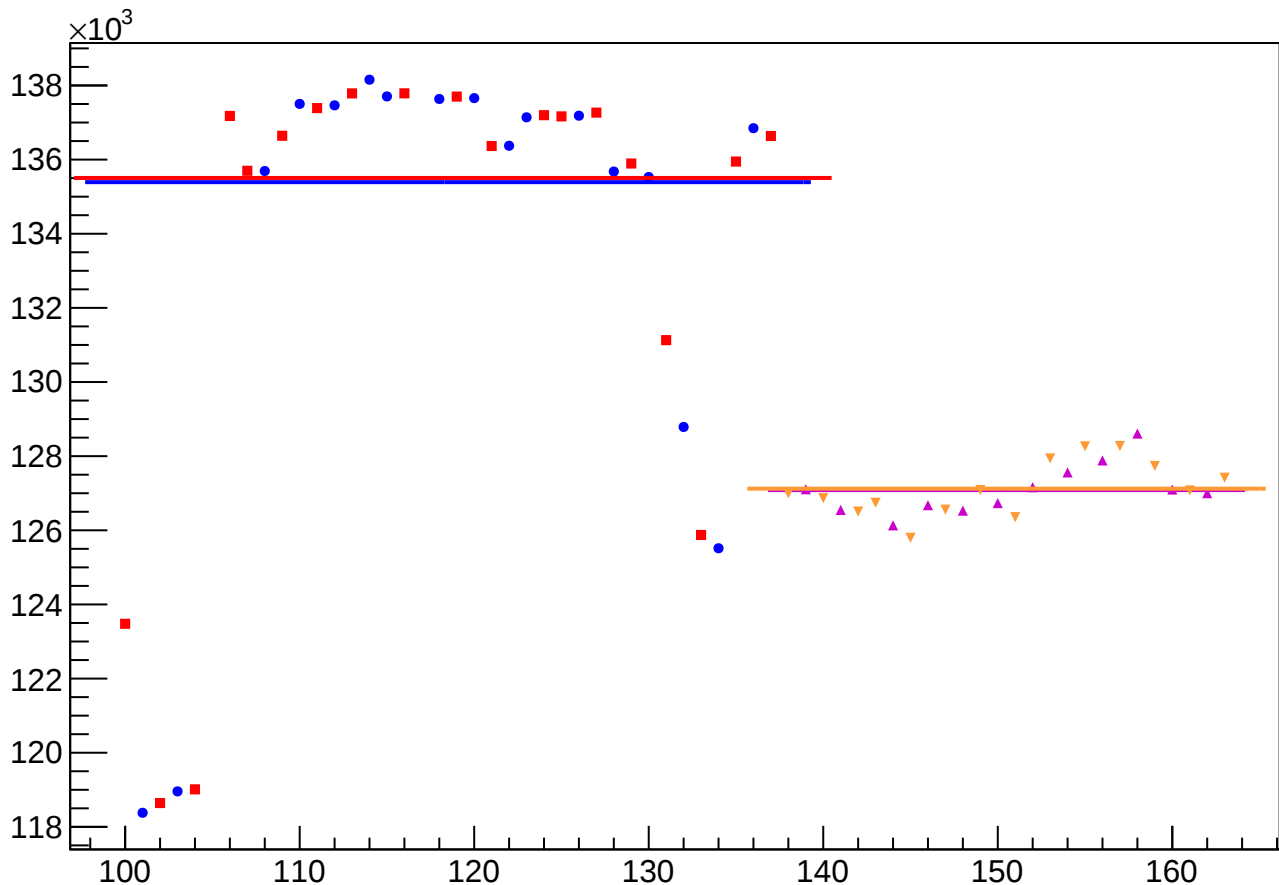
Right: 425.022 $\pm$ 0.088 χ^2 /NDF: 1779326.9/35

In: 471.817 $\pm$ 0.091 χ^2 /NDF: 2151402.6/28

Out: 500.100 $\pm$ 0.092 χ^2 /NDF: 2126009.8/32

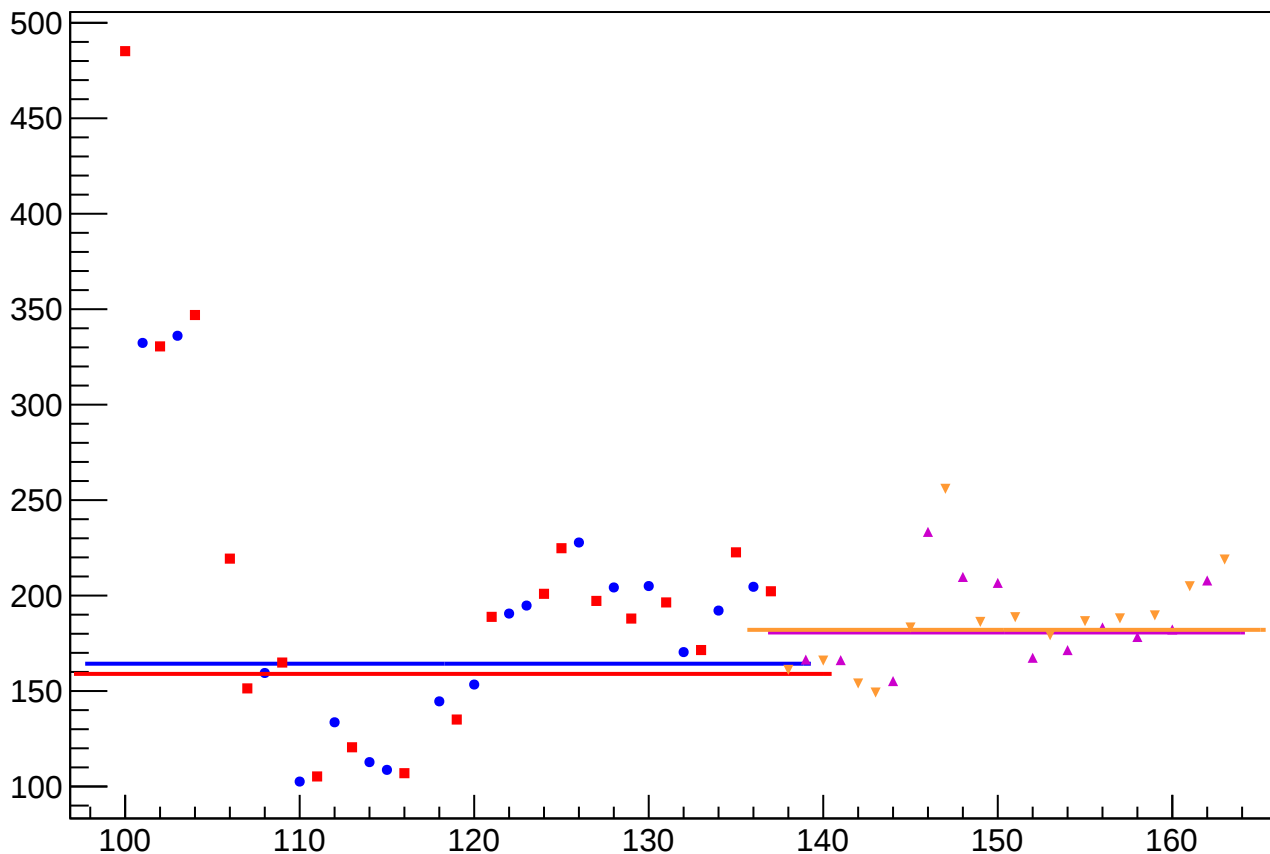
All: 485.821 $\pm$ 0.065 χ^2 /NDF: 4325079.6/61

yield_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 135391.458 $\pm$ 0.068	χ^2 /NDF: 4580024611.0/16	Left: 127104.156 $\pm$ 0.041	χ^2 /NDF: 283954514.7/25
Left Out: 127122.915 $\pm$ 0.057	χ^2 /NDF: 152251600.3/13	Right: 135451.454 $\pm$ 0.047	χ^2 /NDF: 9312151817.8
Right Out: 135504.836 $\pm$ 0.064	χ^2 /NDF: 4730667469.8/18	In: 130630.629 $\pm$ 0.045	χ^2 /NDF: 13198556447.1/2
Left In: 127084.249 $\pm$ 0.059	χ^2 /NDF: 131481167.3/11	Out: 130819.384 $\pm$ 0.043	χ^2 /NDF: 14354954267.7
		All: 130728.983 $\pm$ 0.031	χ^2 /NDF: 275628428

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 182.051+/-0.040 χ^2/NDF : 328305.6/13

Right Out: 158.977+/-0.046 χ^2/NDF : 1384059.2/18

Left In: 180.669+/-0.042 χ^2/NDF : 246801.9/11

Left: 181.381+/-0.029 χ^2/NDF : 575674.5/25

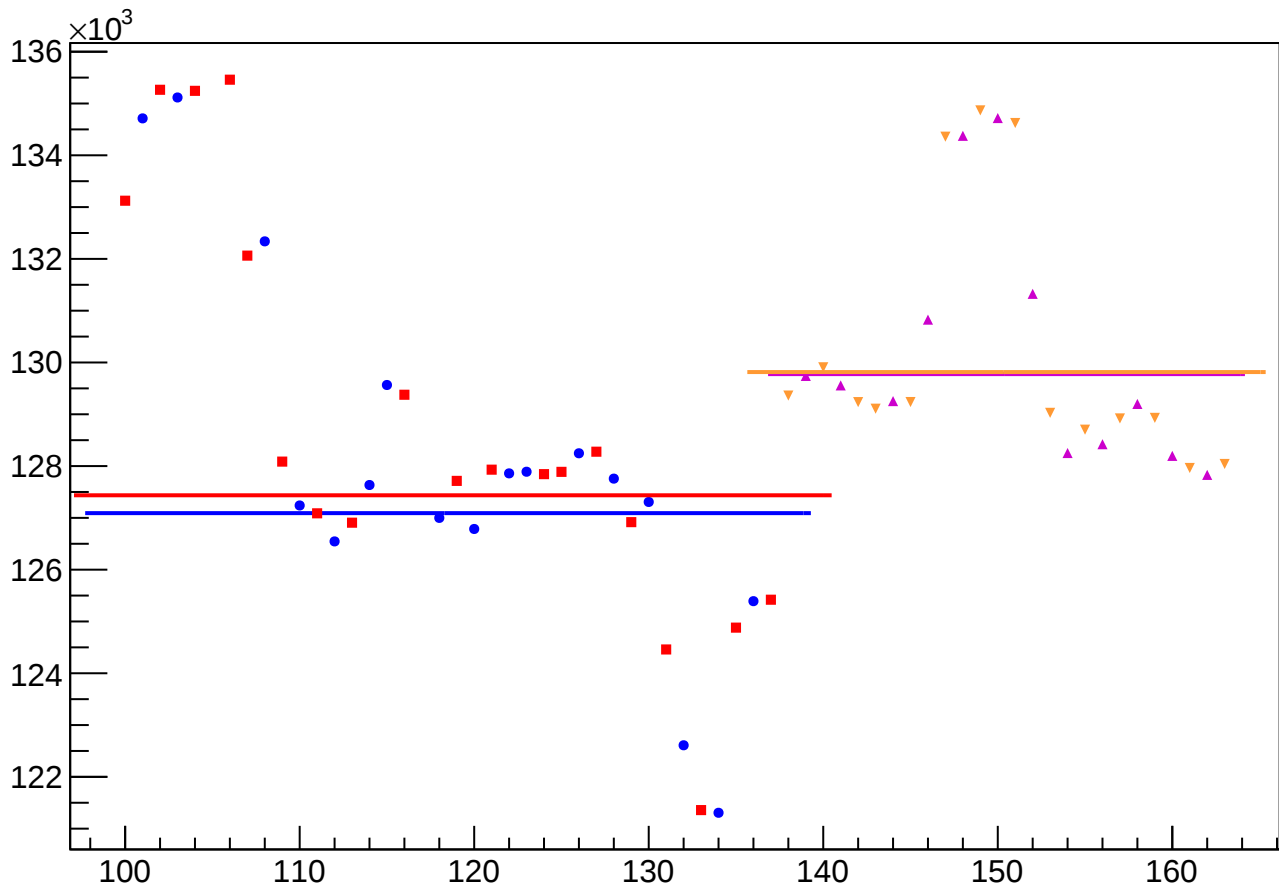
Right: 161.489+/-0.033 χ^2/NDF : 2621008.2/35

In: 173.686+/-0.032 χ^2/NDF : 1543102.7/28

Out: 171.876+/-0.030 χ^2/NDF : 1855922.4/32

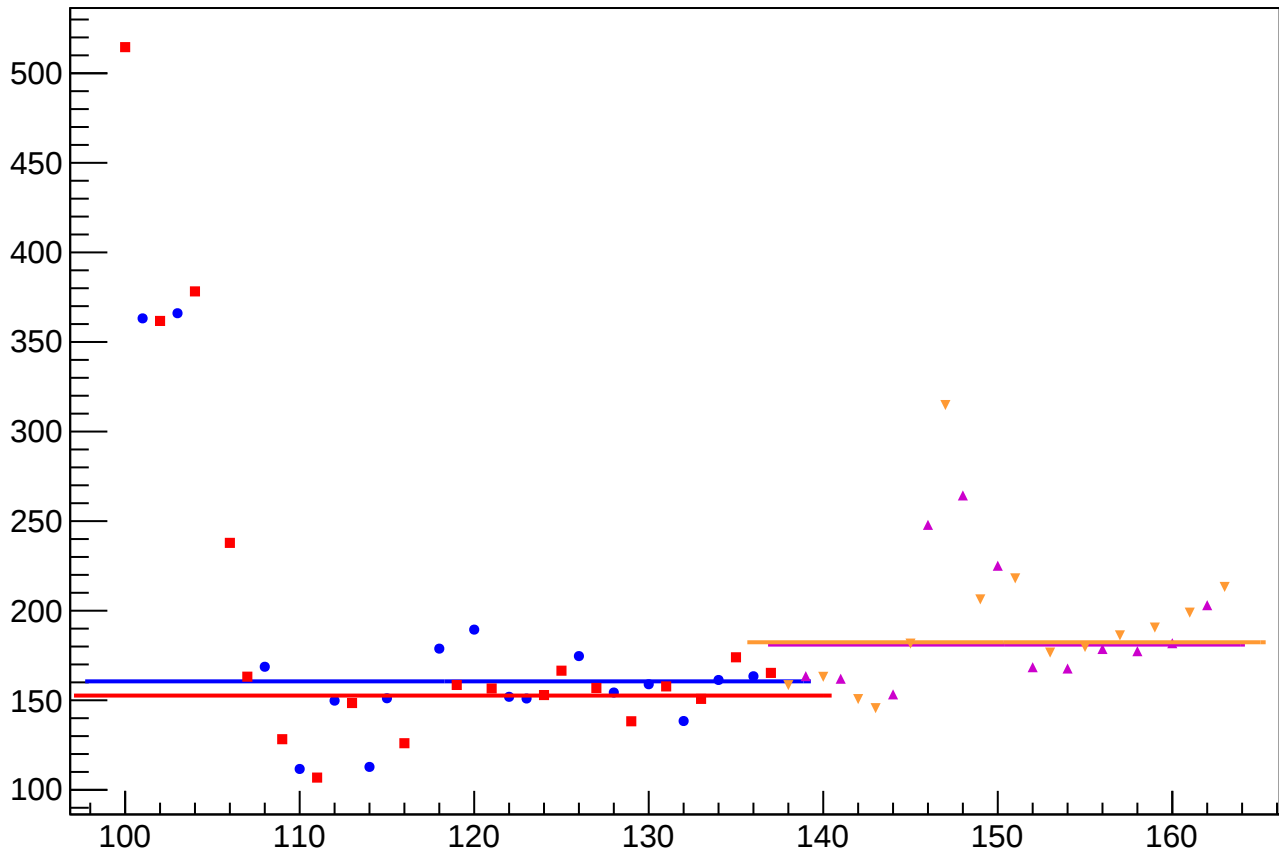
All: 172.743+/-0.022 χ^2/NDF : 3400741.4/61

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127091.500+/-0.066	χ^2/NDF : 1717208780.6/16	Left: 129795.884+/-0.041	χ^2/NDF : 2229458357.4/2
Left Out: 129815.123+/-0.058	χ^2/NDF : 1240559721.6/13	Right: 127276.609+/-0.045	χ^2/NDF : 3810794624.3/
Right Out: 127436.101+/-0.062	χ^2/NDF : 2079075713.9/18	In: 128579.581+/-0.044	χ^2/NDF : 3614410337.1/28
Left In: 129775.523+/-0.059	χ^2/NDF : 988670428.7/11	Out: 128700.619+/-0.042	χ^2/NDF : 4113855486.9/3
		All: 128643.089+/-0.031	χ^2/NDF : 773218998

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 182.382 $\pm$ 0.041 χ^2 /NDF:556200.2/13

Right Out: 152.629 $\pm$ 0.044 χ^2 /NDF: 1086504.4/18

Left In: 181.076 $\pm$ 0.042 χ^2 /NDF:465916.1/11

Left: 181.748 $\pm$ 0.029 χ^2 /NDF: 1022612.6/25

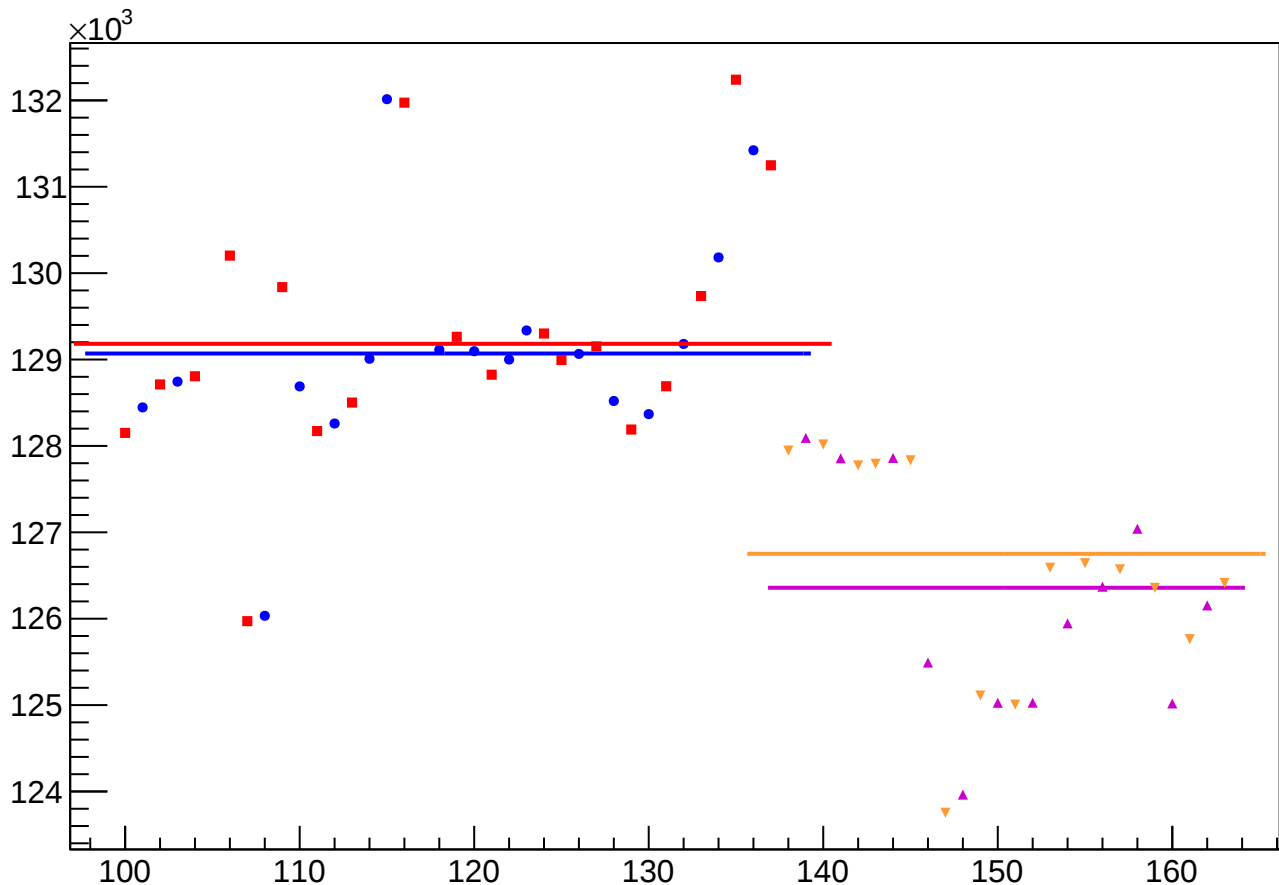
Right: 156.301 $\pm$ 0.032 χ^2 /NDF: 2044640.1/35

In: 171.936 $\pm$ 0.031 χ^2 /NDF:1514786.6/28

Out: 168.443 $\pm$ 0.030 χ^2 /NDF:1891156.9/32

All: 170.104 $\pm$ 0.022 χ^2 /NDF: 3412479.6/61

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 129069.668 $\pm$ 0.060

χ^2 /NDF: 476692316.5/16

Left Out: 126751.234 $\pm$ 0.055

χ^2 /NDF: 434242199.3/13

Right Out: 129181.887 $\pm$ 0.056

χ^2 /NDF: 625597399.6/18

Left In: 126358.256 $\pm$ 0.057

χ^2 /NDF: 507199569.1/11

Left: 126560.874 $\pm$ 0.040

χ^2 /NDF: 965771167.9/25

Right: 129129.710 $\pm$ 0.041

χ^2 /NDF: 1104150743.5/25

In: 127645.586 $\pm$ 0.041

χ^2 /NDF: 2050413320.2/28

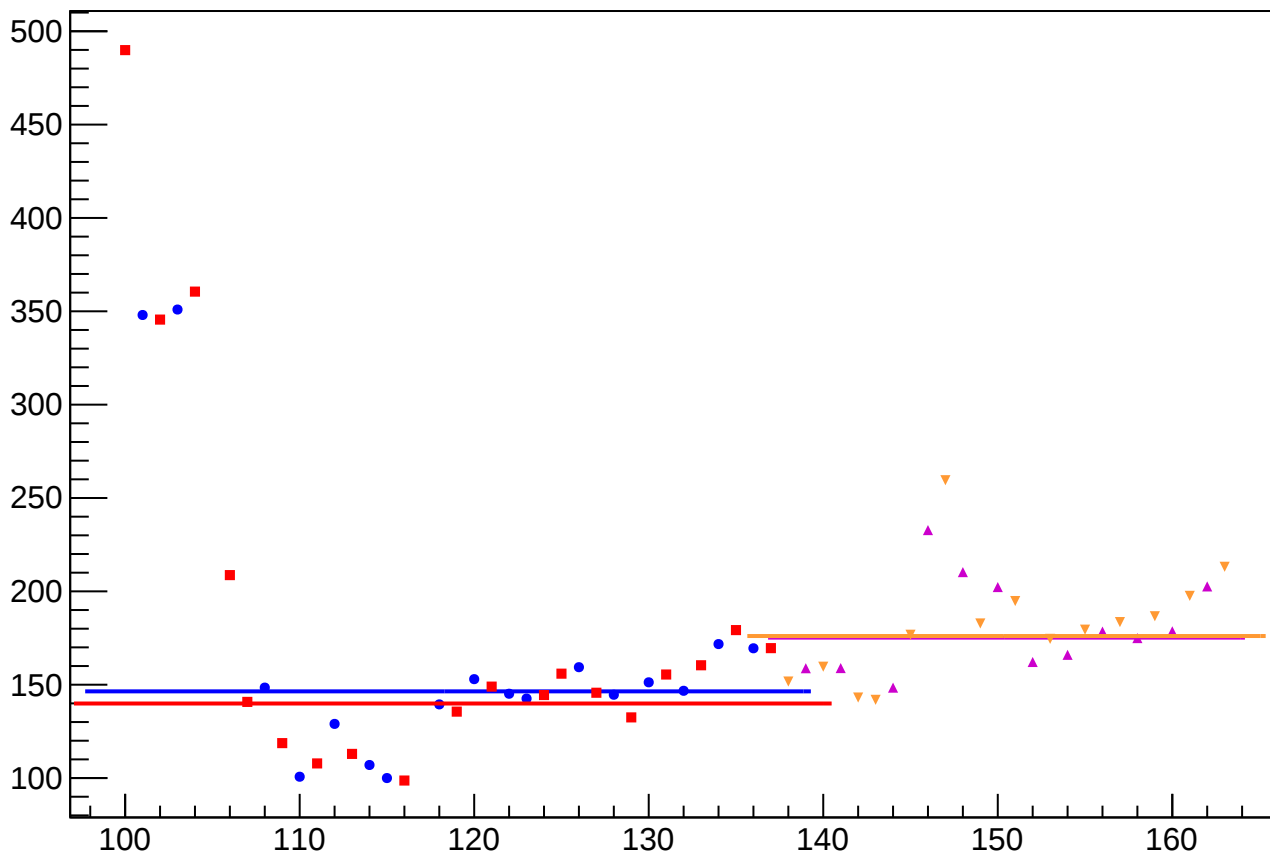
Out: 127952.598 $\pm$ 0.039

χ^2 /NDF: 2009533847.5/30

All: 127806.775 $\pm$ 0.029

χ^2 /NDF: 408873672.0/69

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 176.073 $\pm$ 0.039 χ^2 /NDF: 421843.6/13

Right Out: 139.929 $\pm$ 0.040 χ^2 /NDF: 1203570.9/18

Left In: 175.215 $\pm$ 0.040 χ^2 /NDF: 301770.3/11

Left: 175.657 $\pm$ 0.028 χ^2 /NDF: 723846.2/25

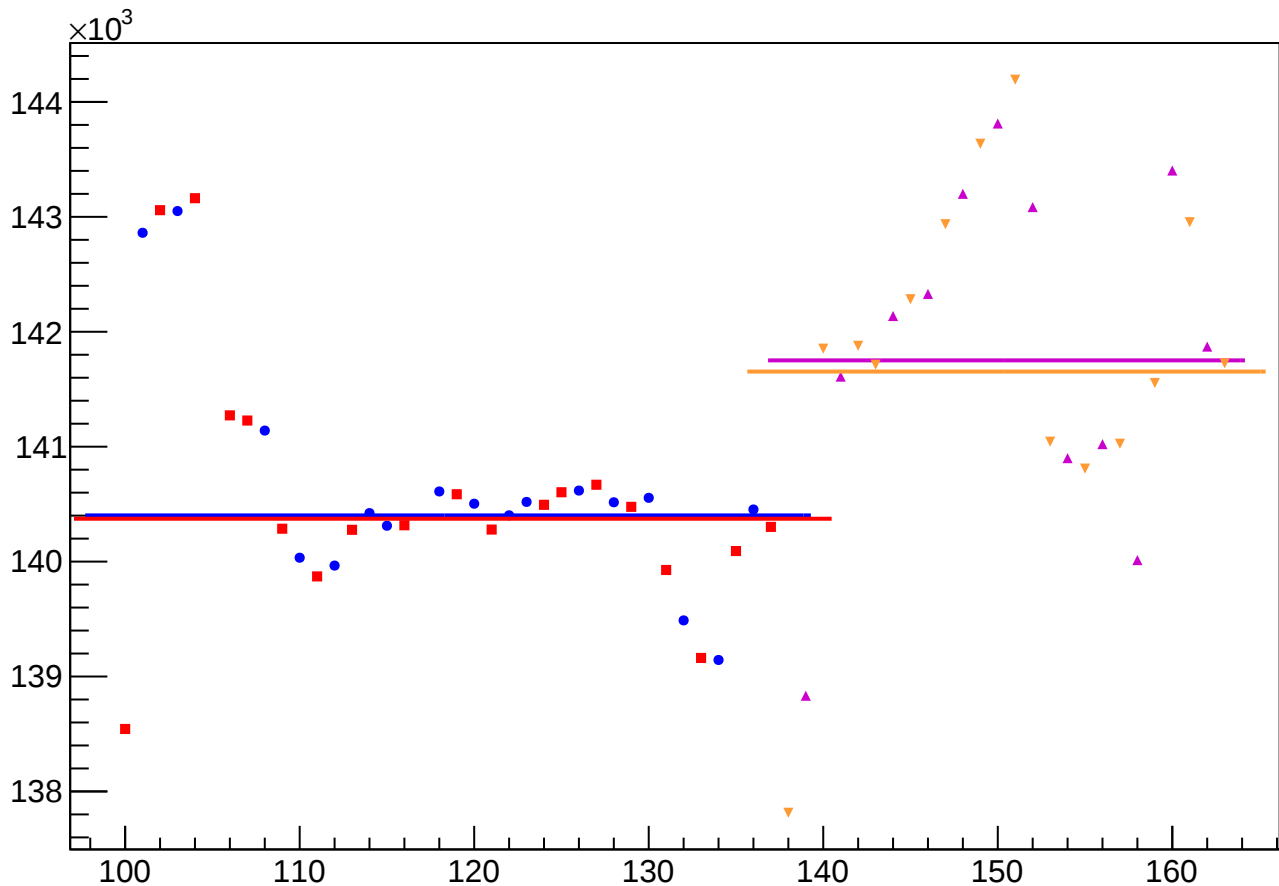
Right: 142.955 $\pm$ 0.029 χ^2 /NDF: 2280881.6/35

In: 161.552 $\pm$ 0.029 χ^2 /NDF: 1606833.3/28

Out: 158.209 $\pm$ 0.028 χ^2 /NDF: 2045409.2/32

All: 159.797 $\pm$ 0.020 χ^2 /NDF: 3659069.0/61

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 140402.010 $\pm$ 0.064

χ^2 /NDF: 88071774.7/16

Left: 141701.127 $\pm$ 0.046

χ^2 /NDF: 1047646237.8/2

Left Out: 141653.686 $\pm$ 0.064

χ^2 /NDF: 583885182.8/13

Right: 140386.544 $\pm$ 0.044

χ^2 /NDF: 188034057.1/3

Right Out: 140373.163 $\pm$ 0.060

χ^2 /NDF: 99854533.3/18

In: 141059.981 $\pm$ 0.046

χ^2 /NDF: 765090332.7/28

Out: 140967.966 $\pm$ 0.044

χ^2 /NDF: 896367054.9/32

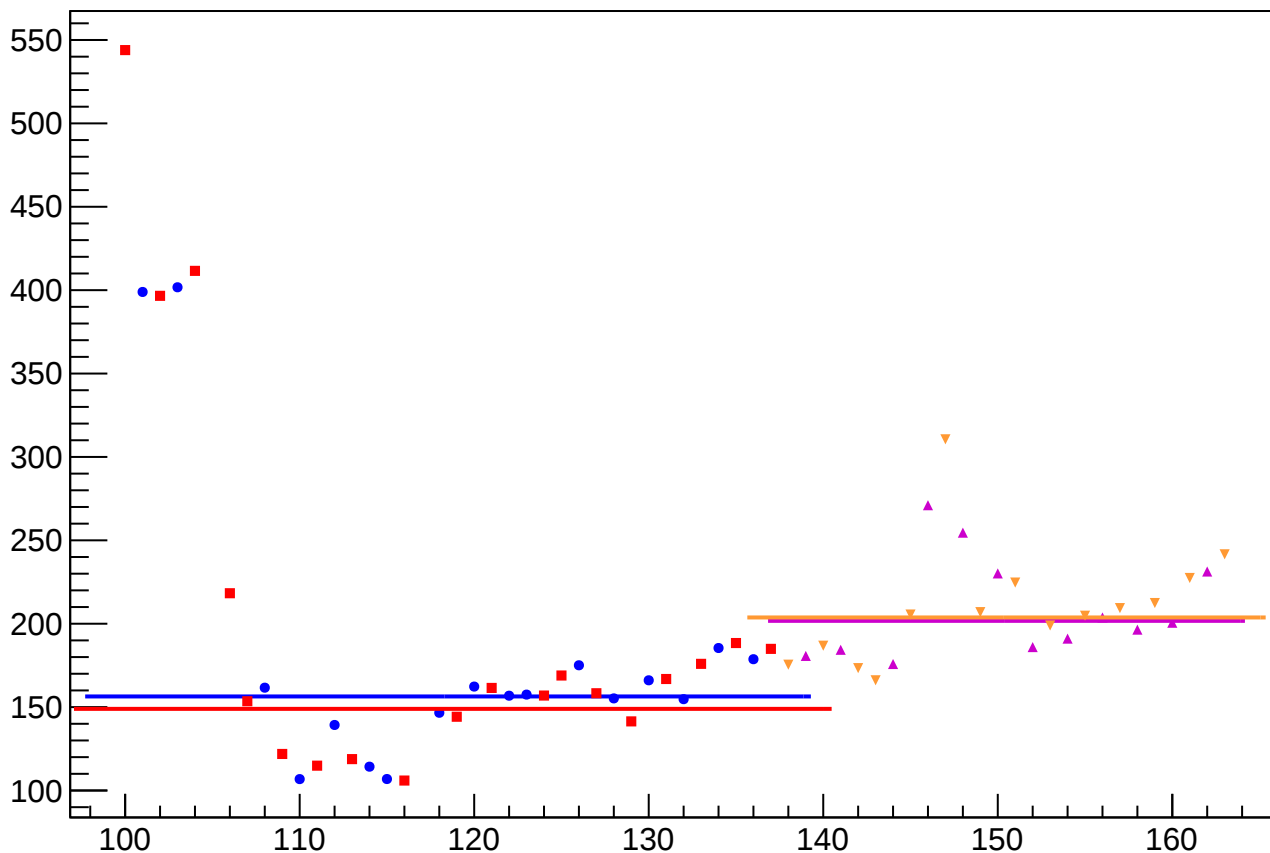
Left In: 141751.090 $\pm$ 0.066

χ^2 /NDF: 462642106.1/11

All: 141011.662 $\pm$ 0.032

χ^2 /NDF: 166355343

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 156.394 $\pm$ 0.046 χ^2 /NDF: 1154804.2/16

Left Out: 203.753 $\pm$ 0.045 χ^2 /NDF:396636.6/13

Right Out: 148.949 $\pm$ 0.042 χ^2 /NDF: 1307651.5/18

Left In: 201.724 $\pm$ 0.047 χ^2 /NDF:308255.2/11

Left: 202.765 $\pm$ 0.033 χ^2 /NDF: 705862.8/25

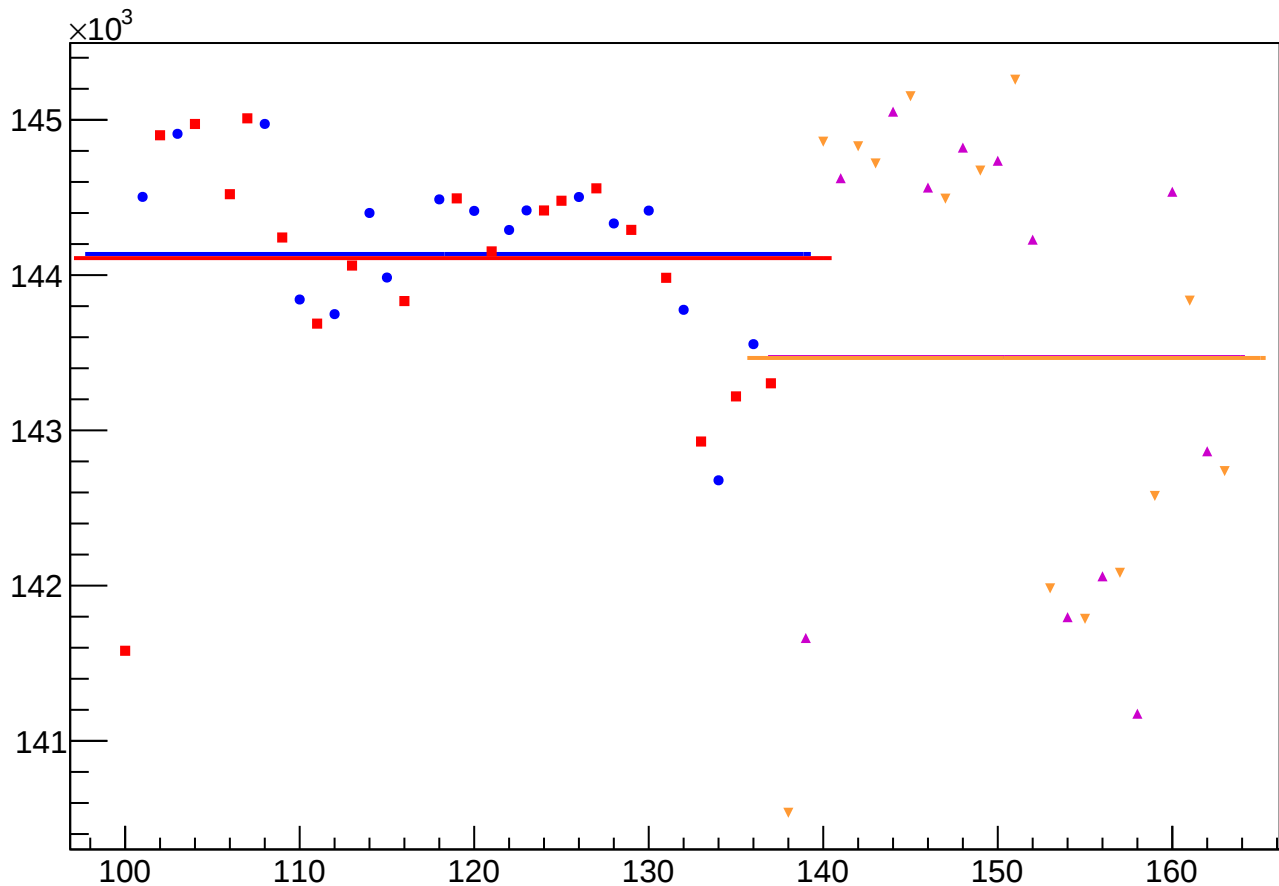
Right: 152.402 $\pm$ 0.031 χ^2 /NDF: 2476807.4/35

In: 178.502 $\pm$ 0.033 χ^2 /NDF:1947134.2/28

Out: 174.406 $\pm$ 0.031 χ^2 /NDF:2483209.8/32

All: 176.351 $\pm$ 0.022 χ^2 /NDF: 4438652.8/61

yield_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: 144136.118 $\pm$ 0.067

χ^2 /NDF: 47069480.3/16

Left: 143469.364 $\pm$ 0.046

χ^2 /NDF: 1079195095.7/2

Left Out: 143466.389 $\pm$ 0.064

χ^2 /NDF: 592551660.0/13

Right: 144121.752 $\pm$ 0.045

χ^2 /NDF: 112414138.5/3

Right Out: 144109.419 $\pm$ 0.062

χ^2 /NDF: 65258627.2/18

In: 143798.827 $\pm$ 0.047

χ^2 /NDF: 583913793.4/28

Out: 143797.181 $\pm$ 0.044

χ^2 /NDF: 710264732.9/32

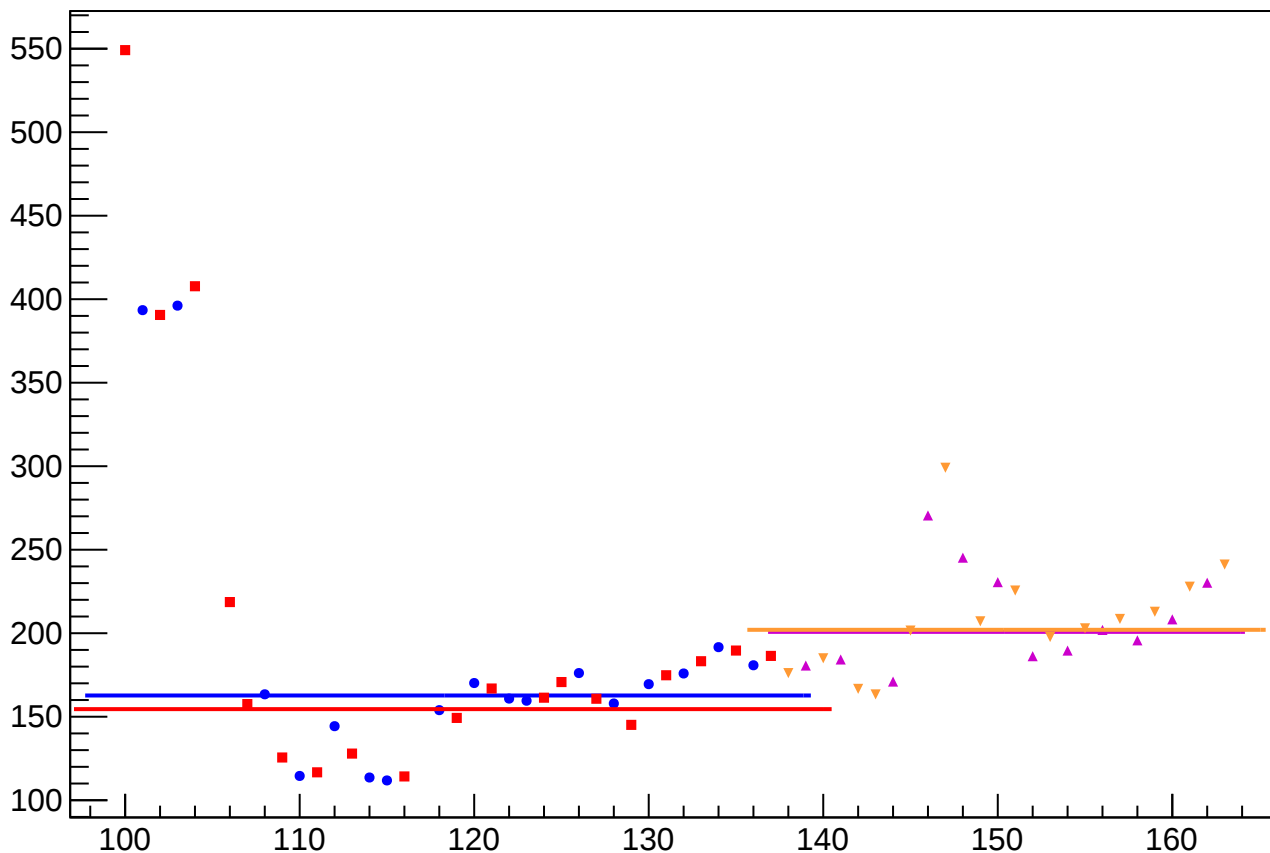
Left In: 143472.528 $\pm$ 0.066

χ^2 /NDF: 486638932.8/11

All: 143797.960 $\pm$ 0.032

χ^2 /NDF: 129417917

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 202.042 $\pm$ 0.045 χ^2 /NDF:400423.8/13

Right Out: 154.547 $\pm$ 0.044 χ^2 /NDF: 1217495.9/18

Left In: 200.808 $\pm$ 0.046 χ^2 /NDF:308209.0/11

Left: 201.444 $\pm$ 0.032 χ^2 /NDF: 708996.4/25

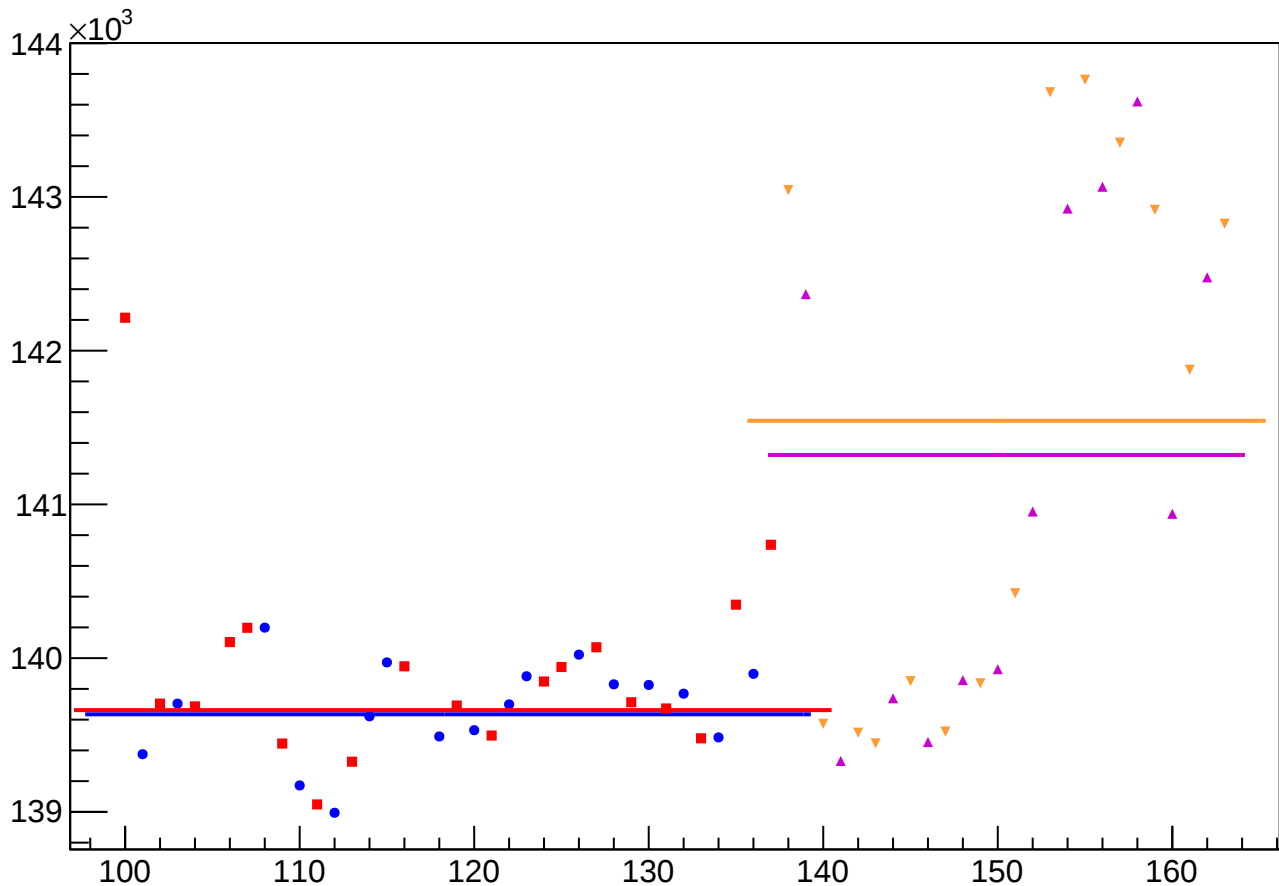
Right: 158.320 $\pm$ 0.032 χ^2 /NDF: 2300078.3/35

In: 182.077 $\pm$ 0.033 χ^2 /NDF:1705595.1/28

Out: 177.609 $\pm$ 0.031 χ^2 /NDF:2190248.1/32

All: 179.723 $\pm$ 0.023 χ^2 /NDF: 3905436.1/61

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139634.700 $\pm$ 0.068

χ^2 /NDF: 24844912.0/16

Left Out: 141544.053 $\pm$ 0.067

χ^2 /NDF: 668000784.7/13

Right Out: 139661.970 $\pm$ 0.063

χ^2 /NDF: 38372985.0/18

Left In: 141321.599 $\pm$ 0.068

χ^2 /NDF: 492531724.1/11

Left: 141434.989 $\pm$ 0.048

χ^2 /NDF: 1165945297.5/2

Right: 139649.322 $\pm$ 0.046

χ^2 /NDF: 63304699.0/35

In: 140472.093 $\pm$ 0.048

χ^2 /NDF: 824889450.7/28

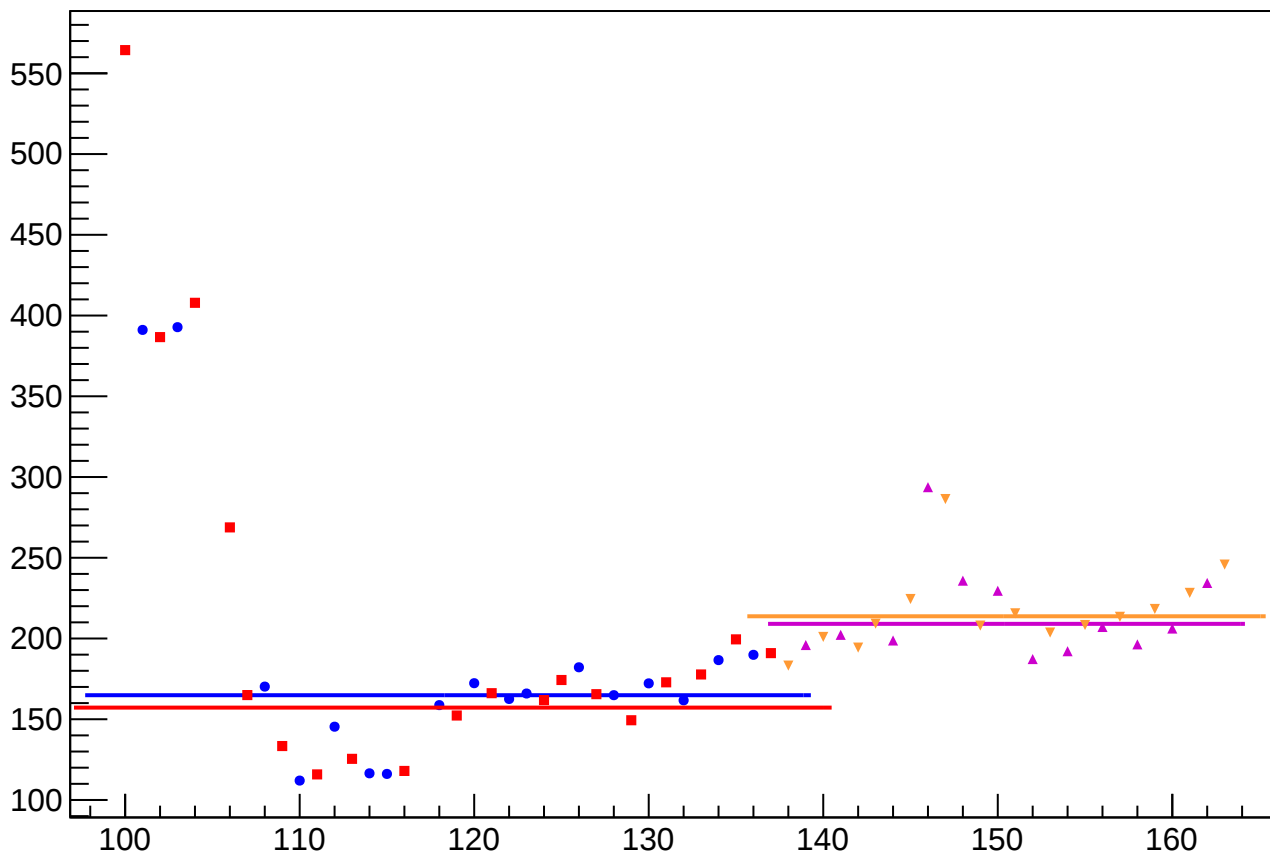
Out: 140546.397 $\pm$ 0.046

χ^2 /NDF: 1125281481.5/3

All: 140510.985 $\pm$ 0.033

χ^2 /NDF: 195142016

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 213.762 $\pm$ 0.047 χ^2 /NDF:196508.4/13

Right Out: 157.207 $\pm$ 0.045 χ^2 /NDF: 1245030.9/18

Left In: 209.071 $\pm$ 0.048 χ^2 /NDF:234932.0/11

Left: 211.463 $\pm$ 0.034 χ^2 /NDF: 436254.7/25

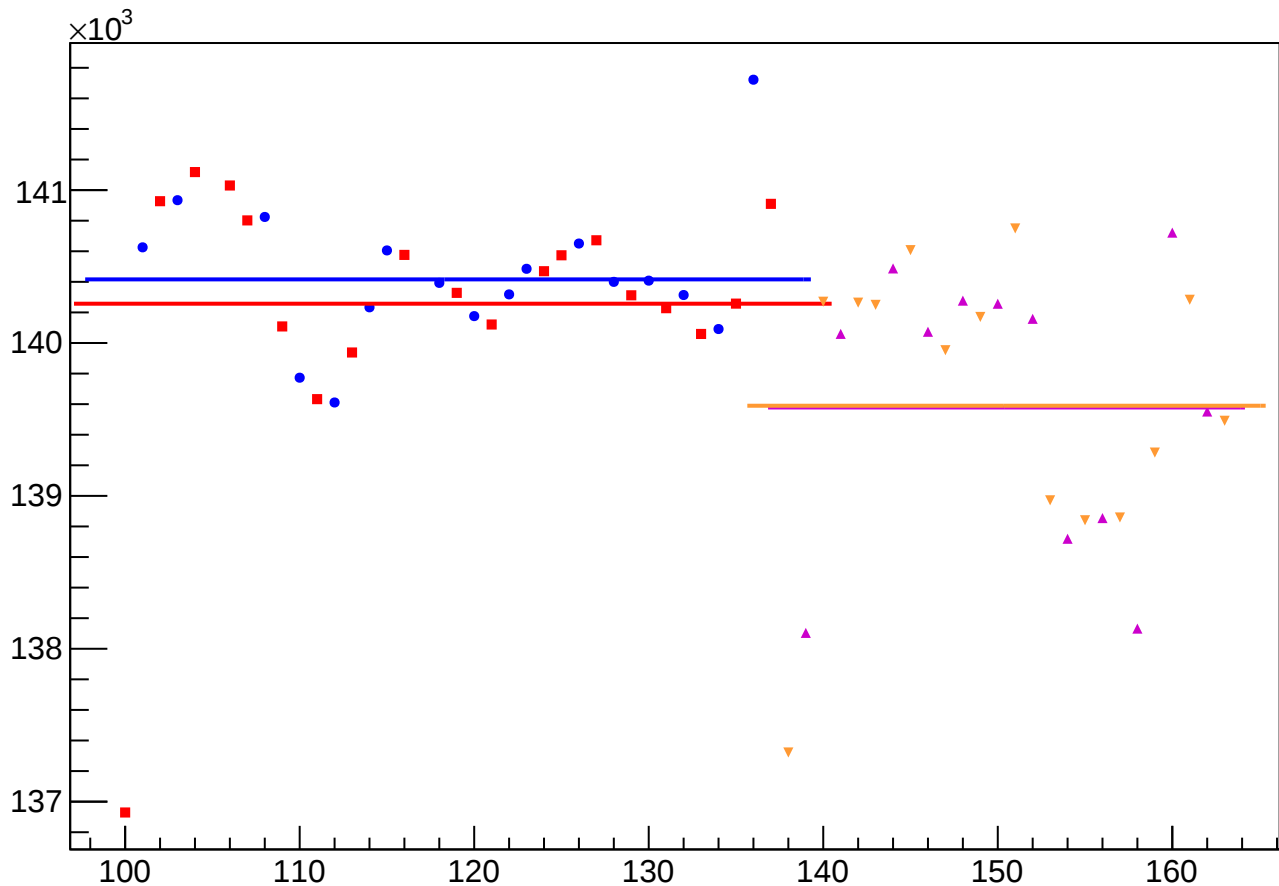
Right: 160.768 $\pm$ 0.033 χ^2 /NDF: 2325060.5/35

In: 186.819 $\pm$ 0.034 χ^2 /NDF:1723194.2/28

Out: 183.784 $\pm$ 0.032 χ^2 /NDF:2198050.7/32

All: 185.230 $\pm$ 0.023 χ^2 /NDF: 3925414.6/61

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.064 $\pm$ 0.068

χ^2/NDF : 69975821.3/16

Left Out: 139589.632 $\pm$ 0.062

χ^2/NDF : 242334583.8/13

Right Out: 140256.992 $\pm$ 0.063

χ^2/NDF : 38063371.4/18

Left In: 139578.183 $\pm$ 0.064

χ^2/NDF : 202528446.5/11

Left: 139584.090 $\pm$ 0.045

χ^2/NDF : 444879322.4/25

Right: 140330.188 $\pm$ 0.046

χ^2/NDF : 110959487.0/3

In: 139972.120 $\pm$ 0.047

χ^2/NDF : 352023934.3/28

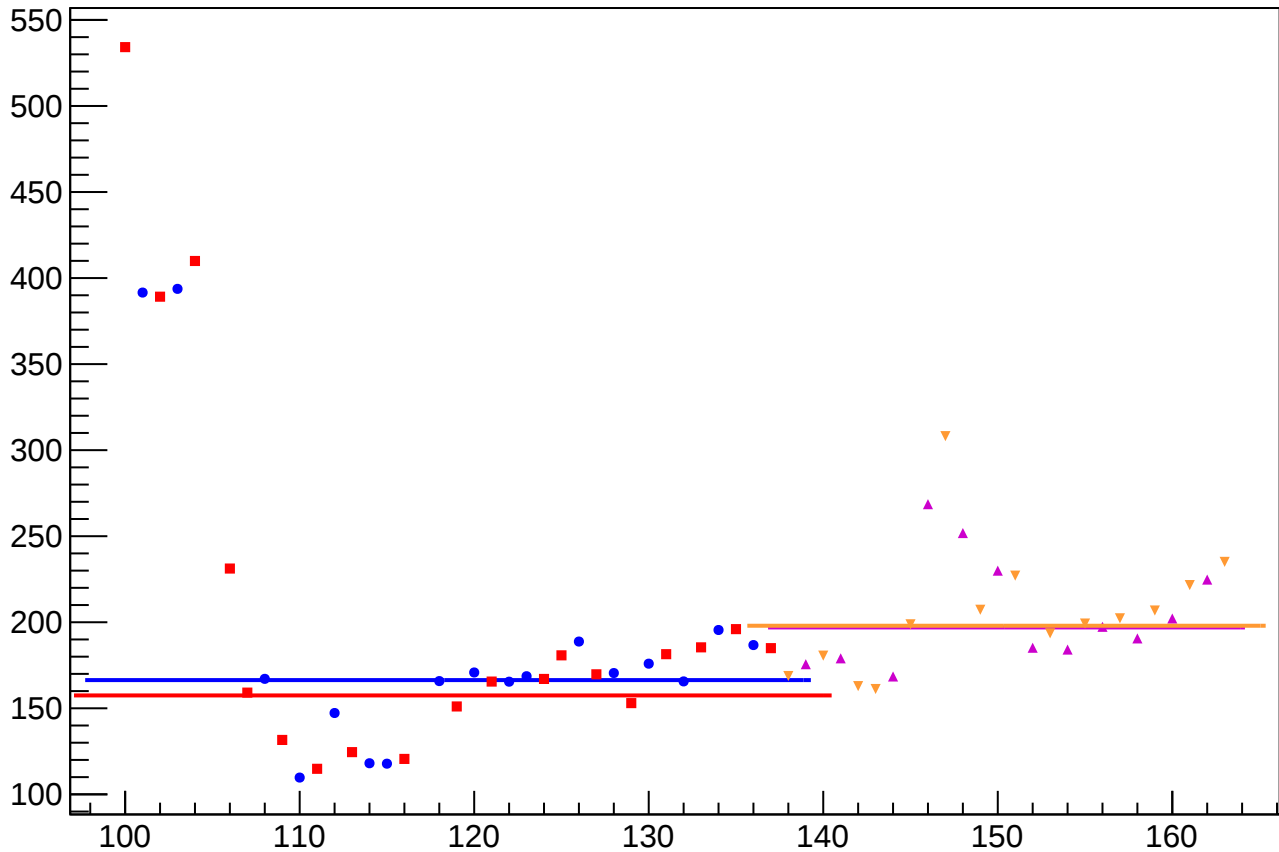
Out: 139919.391 $\pm$ 0.044

χ^2/NDF : 336905546.8/32

All: 139944.306 $\pm$ 0.032

χ^2/NDF : 689596343.0/100

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 166.388 $\pm$ 0.048 χ^2 /NDF: 1080964.8/16

Left Out: 197.973 $\pm$ 0.044 χ^2 /NDF: 449598.2/13

Right Out: 157.475 $\pm$ 0.045 χ^2 /NDF: 1229886.8/18

Left In: 196.983 $\pm$ 0.046 χ^2 /NDF: 346177.3/11

Left: 197.494 $\pm$ 0.032 χ^2 /NDF: 796019.1/25

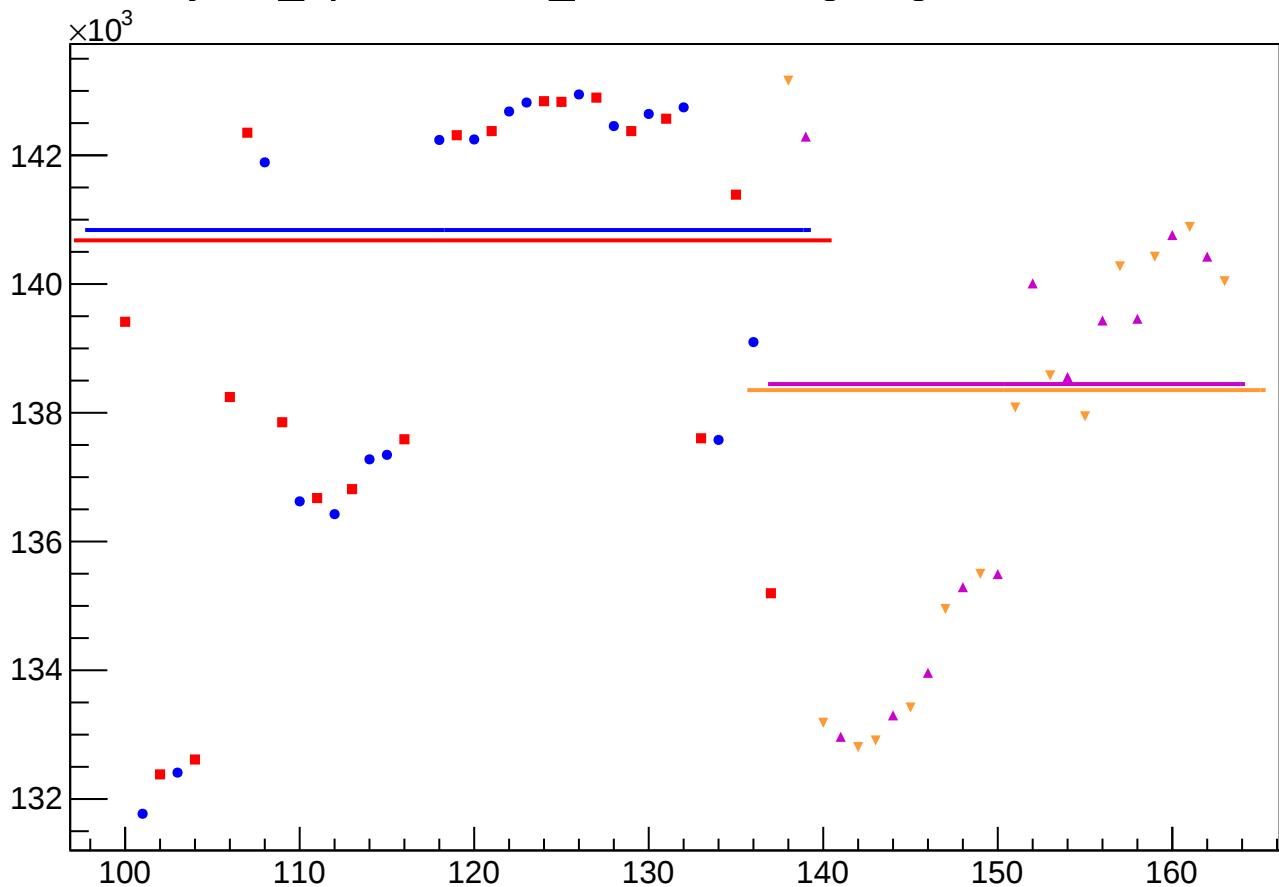
Right: 161.576 $\pm$ 0.033 χ^2 /NDF: 2329186.5/35

In: 182.598 $\pm$ 0.033 χ^2 /NDF: 1639198.1/28

Out: 177.962 $\pm$ 0.031 χ^2 /NDF: 2095663.2/32

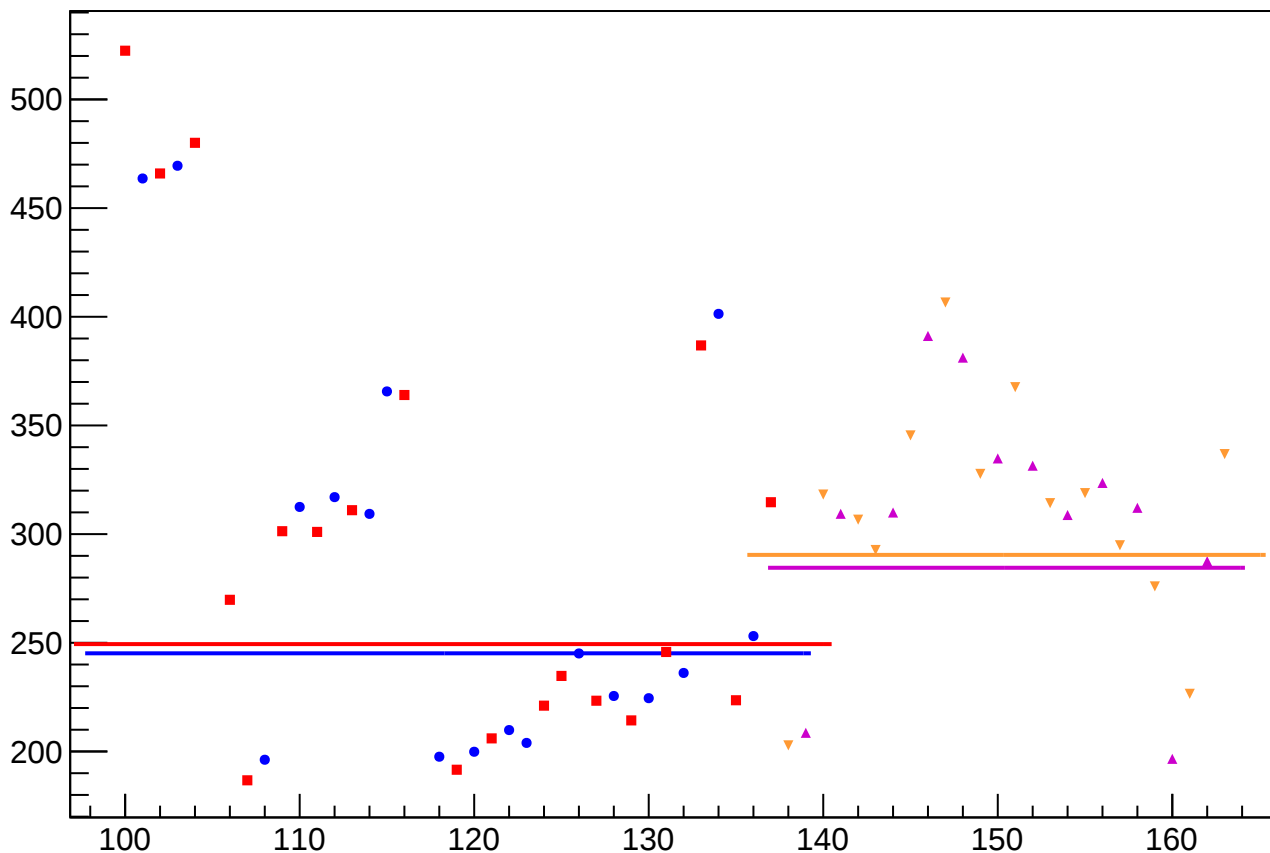
All: 180.153 $\pm$ 0.023 χ^2 /NDF: 3745172.7/61

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	Left: 138398.171 $\pm$ 0.066	χ^2 /NDF: 2487174070.1/2
Left Out: 138352.165 $\pm$ 0.093	χ^2 /NDF: 1389910664.5/13	Right: 140758.088 $\pm$ 0.070	χ^2 /NDF: 1664679717.2/1
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	In: 139581.149 $\pm$ 0.069	χ^2 /NDF: 2220381563.6/28
Left In: 138446.348 $\pm$ 0.095	χ^2 /NDF: 1096760513.1/11	Out: 139439.325 $\pm$ 0.068	χ^2 /NDF: 2524141041.8/3
		All: 139509.066 $\pm$ 0.048	χ^2 /NDF: 474667767.1/1

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 245.159 ± 0.071 $\chi^2/\text{NDF}: 869491.6/16$

Left Out: 290.445 ± 0.066 $\chi^2/\text{NDF}: 707462.7/13$

Right Out: 249.397 ± 0.070 $\chi^2/\text{NDF}: 1009731.2/18$

Left In: 284.517 ± 0.067 $\chi^2/\text{NDF}: 835273.0/11$

Left: 287.549 ± 0.047 $\chi^2/\text{NDF}: 1546720.9/25$

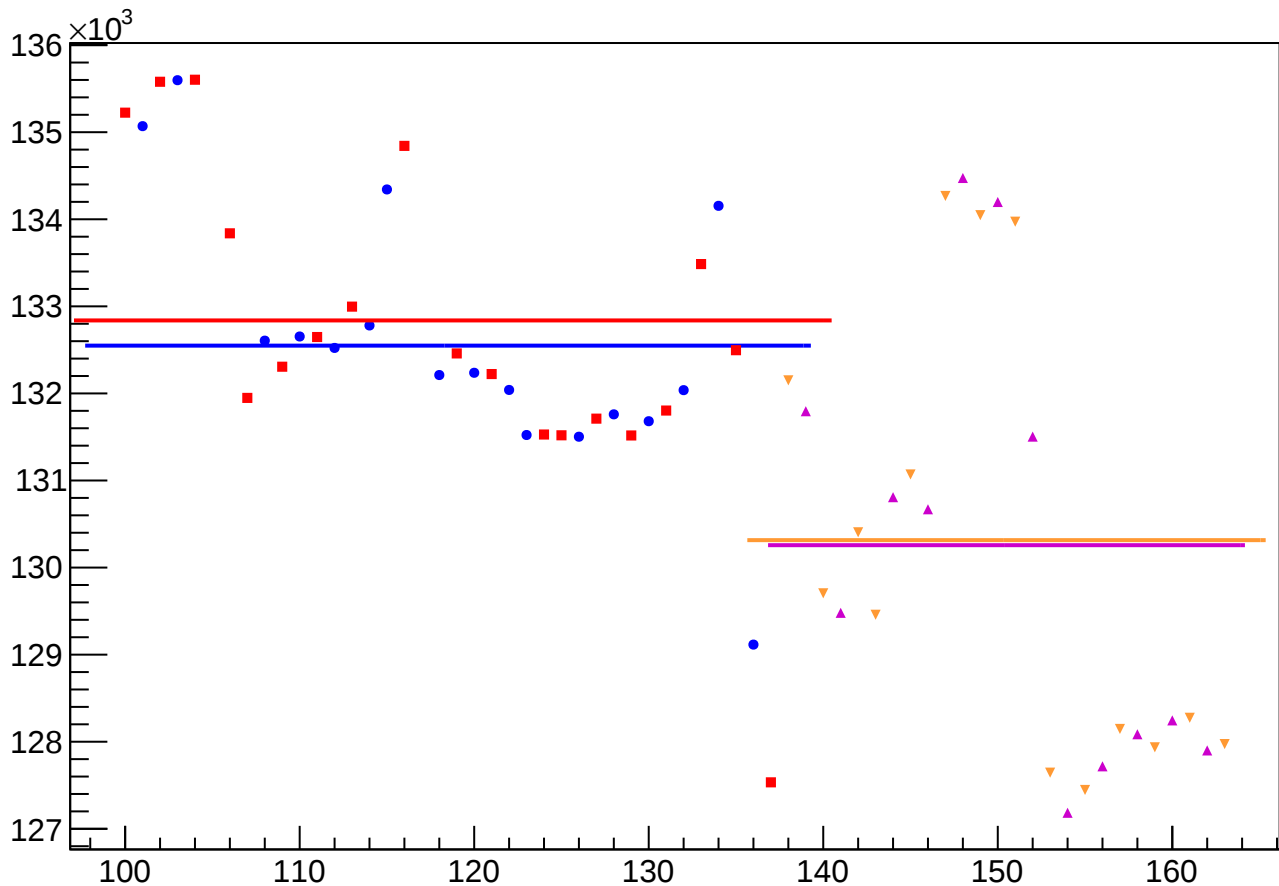
Right: 247.297 ± 0.050 $\chi^2/\text{NDF}: 1881034.9/35$

In: 265.851 ± 0.049 $\chi^2/\text{NDF}: 1867606.3/28$

Out: 271.262 ± 0.048 $\chi^2/\text{NDF}: 1899977.1/32$

All: 268.601 ± 0.034 $\chi^2/\text{NDF}: 3773858.5/61$

yield_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130314.992 $\pm$ 0.081 χ^2 /NDF: 627586961.1/13

Right Out: 132838.294 $\pm$ 0.107 χ^2 /NDF: 149611447.6/18

Left In: 130257.174 $\pm$ 0.087 χ^2 /NDF: 504349247.9/11

Left: 130288.246 $\pm$ 0.059 χ^2 /NDF: 1132172456.6/2

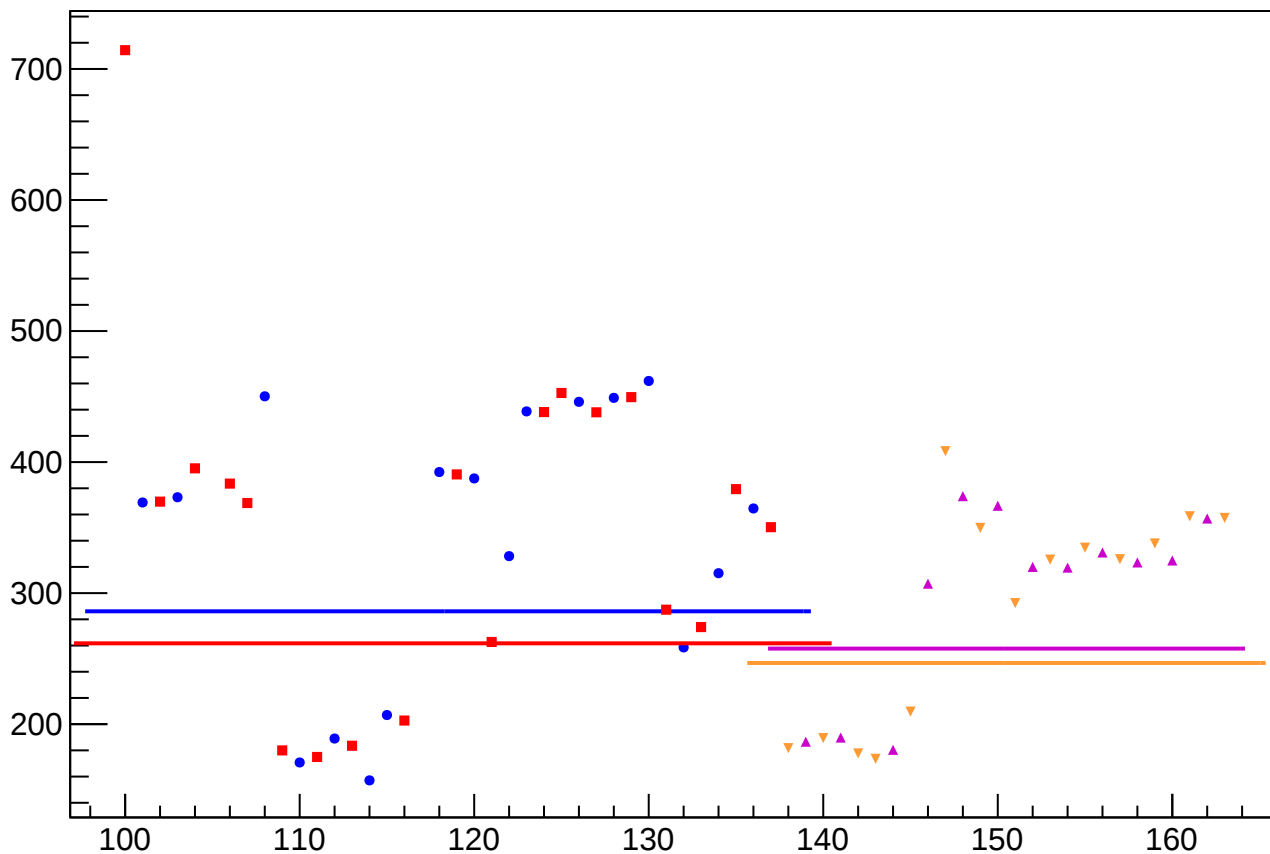
Right: 132709.226 $\pm$ 0.080 χ^2 /NDF: 313982981.1/3

In: 131054.618 $\pm$ 0.070 χ^2 /NDF: 905784257.1/28

Out: 131231.742 $\pm$ 0.065 χ^2 /NDF: 1130611669.4/3

All: 131150.856 $\pm$ 0.048 χ^2 /NDF: 203983378

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 246.693+/-0.057 χ^2/NDF :1832207.2/13

Right Out: 261.686+/-0.076 χ^2/NDF : 1623174.1/18

Left In: 257.663+/-0.062 χ^2/NDF :1503947.8/11

Left: 251.768+/-0.042 χ^2/NDF : 3353165.2/25

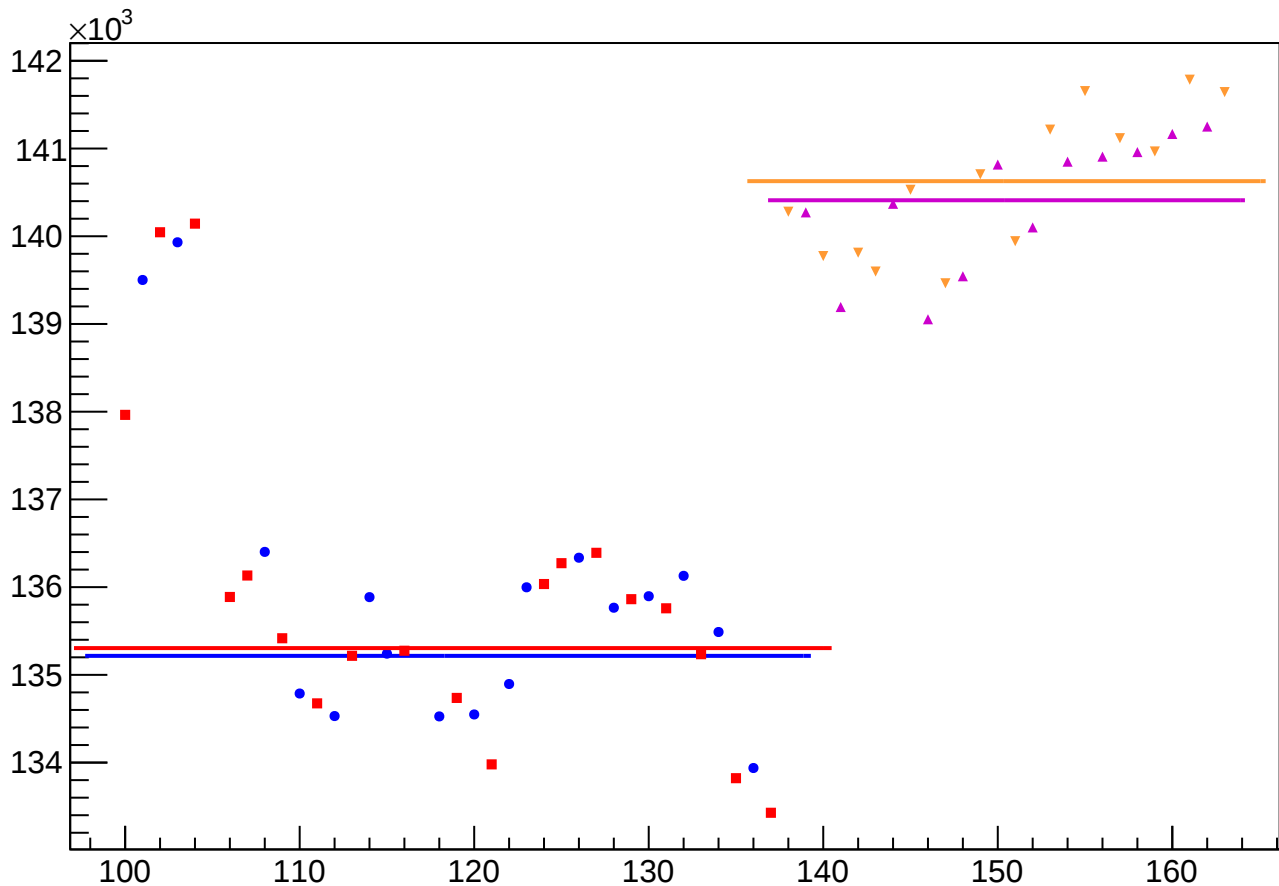
Right: 272.584+/-0.056 χ^2/NDF : 3194872.3/35

In: 267.566+/-0.050 χ^2/NDF :3103334.4/28

Out: 252.140+/-0.046 χ^2/NDF :3480337.0/32

All: 259.185+/-0.034 χ^2/NDF : 6635821.6/61

yield_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 135216.588 $\pm$ 0.054

χ^2 /NDF: 371347707.3/16

Left Out: 140628.150 $\pm$ 0.058

χ^2 /NDF: 169142257.4/13

Right Out: 135305.135 $\pm$ 0.051

χ^2 /NDF: 357636841.6/18

Left In: 140410.295 $\pm$ 0.062

χ^2 /NDF: 124020959.2/11

Left: 140525.826 $\pm$ 0.042

χ^2 /NDF: 299725734.3/25

Right: 135263.557 $\pm$ 0.037

χ^2 /NDF: 730392205.8/3

In: 137476.610 $\pm$ 0.041

χ^2 /NDF: 4468147817.5/28

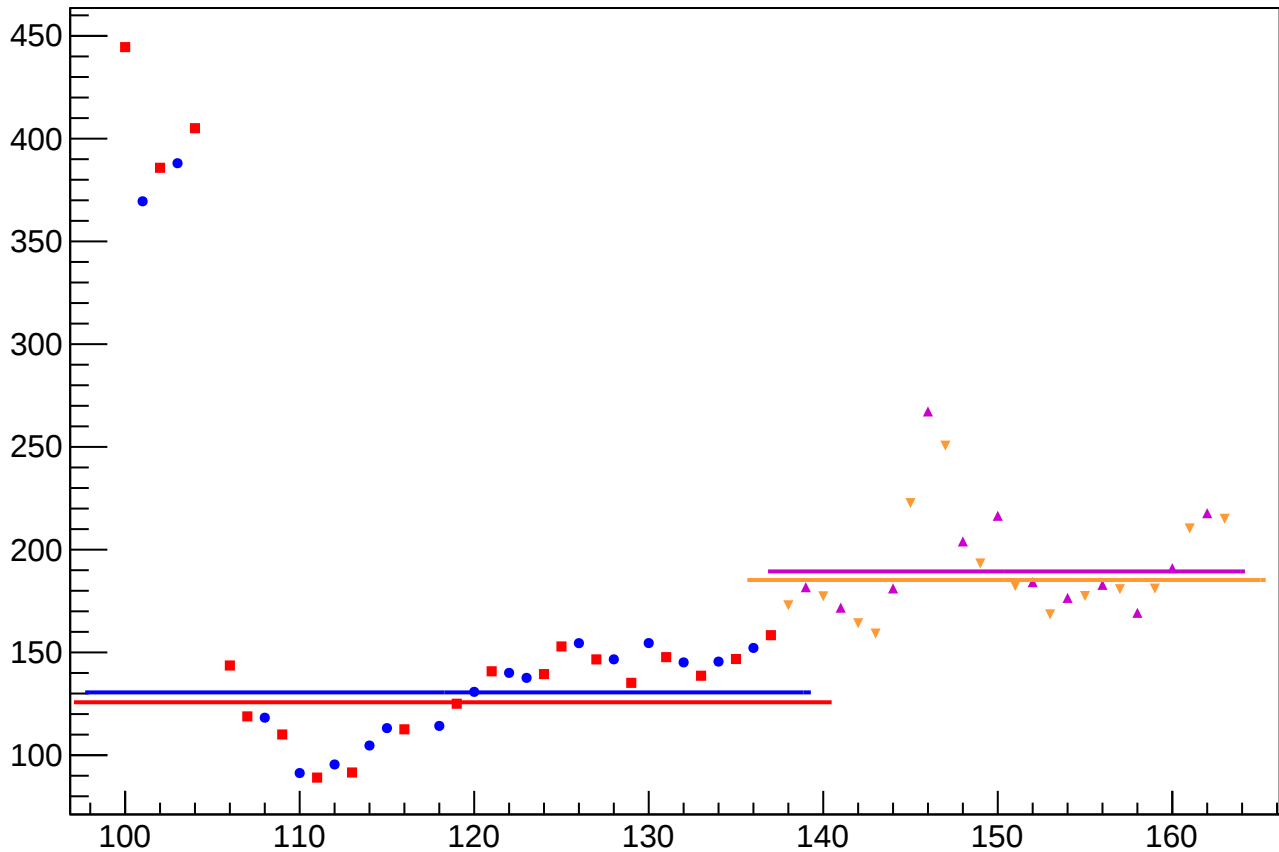
Out: 137620.726 $\pm$ 0.038

χ^2 /NDF: 5239516580.3/3

All: 137553.047 $\pm$ 0.028

χ^2 /NDF: 971426495

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 185.234 $\pm$ 0.041 χ^2 /NDF: 275480.0/13

Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

Left In: 189.413 $\pm$ 0.044 χ^2 /NDF: 244630.1/11

Left: 187.197 $\pm$ 0.030 χ^2 /NDF: 524940.4/25

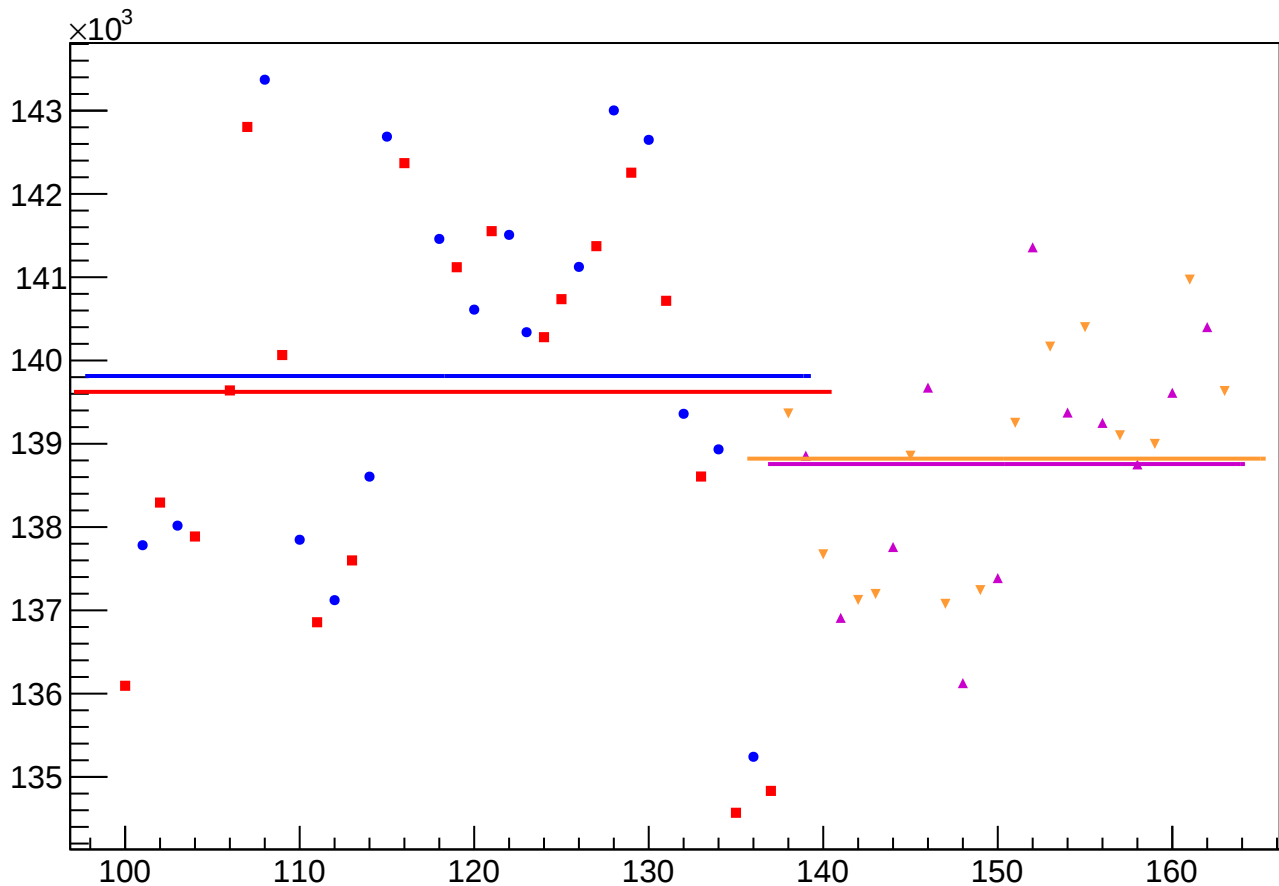
Right: 128.002 $\pm$ 0.026 χ^2 /NDF: 2821400.9/35

In: 156.165 $\pm$ 0.029 χ^2 /NDF: 2638282.6/28

Out: 151.624 $\pm$ 0.027 χ^2 /NDF: 2892682.6/32

All: 153.756 $\pm$ 0.020 χ^2 /NDF: 5544072.4/61

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139813.664 $\pm$ 0.062

χ^2 /NDF: 1689865533.6/16

Left: 138790.387 $\pm$ 0.043

χ^2 /NDF: 946912373.8/25

Right: 139713.961 $\pm$ 0.043

χ^2 /NDF: 3200544274.5/13

Left Out: 138821.561 $\pm$ 0.060

χ^2 /NDF: 428773504.3/13

In: 139290.952 $\pm$ 0.044

χ^2 /NDF: 2351553949.1/28

Right Out: 139623.387 $\pm$ 0.059

χ^2 /NDF: 1505731109.1/18

Out: 139229.600 $\pm$ 0.042

χ^2 /NDF: 2025151273.8/3

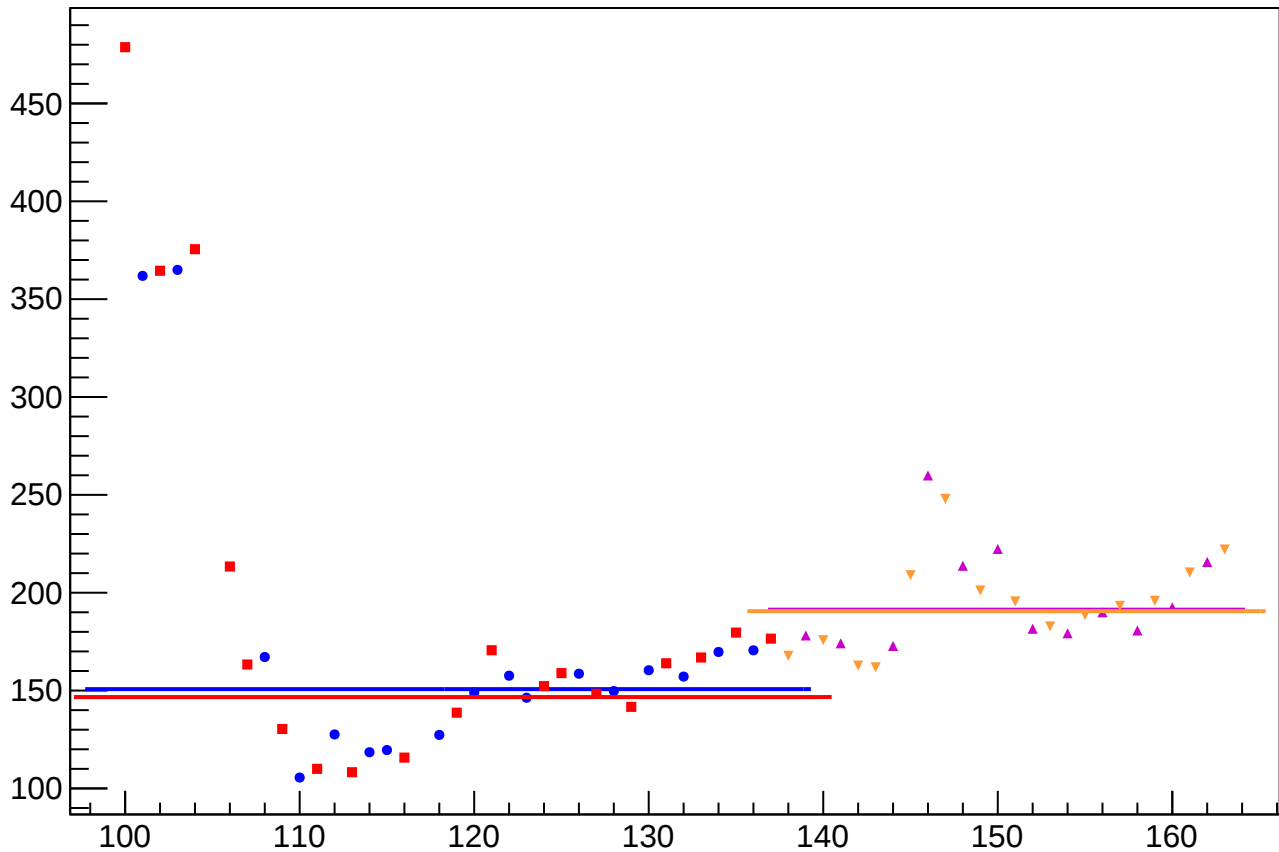
Left In: 138756.528 $\pm$ 0.063

χ^2 /NDF: 517577173.3/11

All: 139258.905 $\pm$ 0.030

χ^2 /NDF: 437771952.0/11

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 190.560+/-0.042 χ^2/NDF :248554.2/13

Right Out: 146.686+/-0.042 χ^2/NDF : 1203106.6/18

Left In: 191.331+/-0.044 χ^2/NDF :236481.0/11

Left: 190.930+/-0.031 χ^2/NDF : 485193.1/25

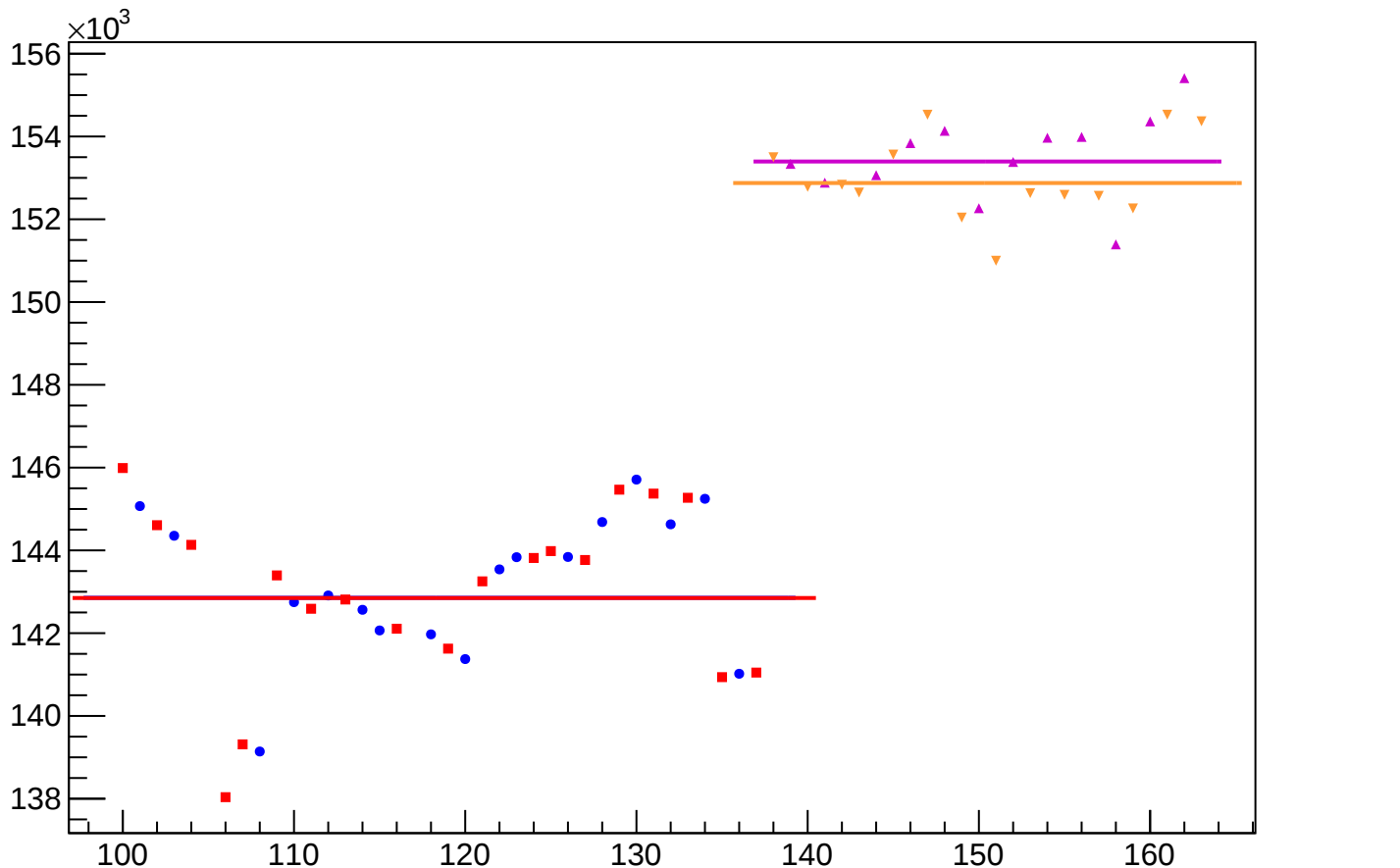
Right: 148.612+/-0.030 χ^2/NDF : 2257655.3/35

In: 170.807+/-0.031 χ^2/NDF :1711646.6/28

Out: 168.233+/-0.030 χ^2/NDF :1994474.1/32

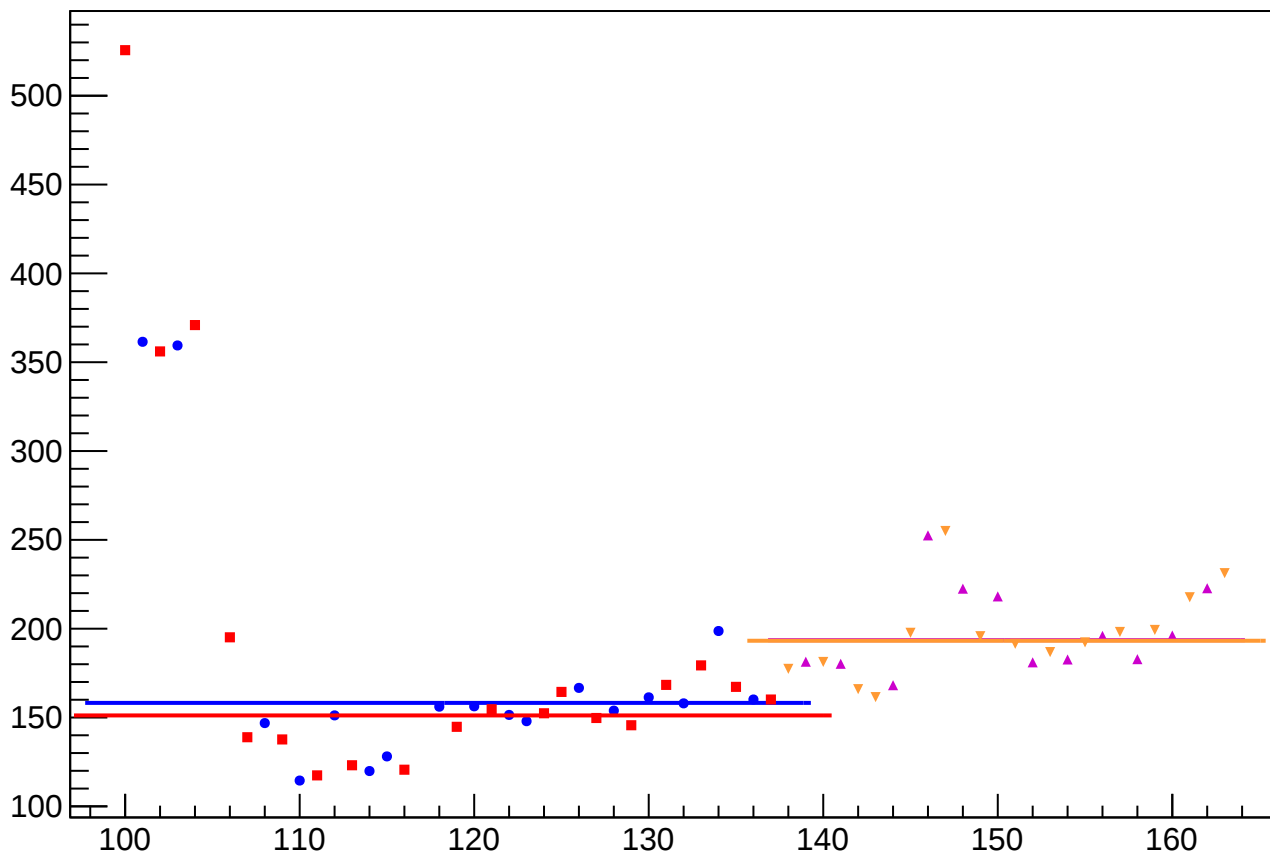
All: 169.463+/-0.022 χ^2/NDF : 3709691.9/61

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 142854.268 $\pm$ 0.065	χ^2 /NDF: 740367386.5/16	Left: 153125.627 $\pm$ 0.044	χ^2 /NDF: 500321414.1/25
Left Out: 152875.906 $\pm$ 0.061	χ^2 /NDF: 227368619.8/13	Right: 142851.648 $\pm$ 0.044	χ^2 /NDF: 1590437268.8/25
Right Out: 142849.362 $\pm$ 0.060	χ^2 /NDF: 850066807.5/18	In: 148243.695 $\pm$ 0.045	χ^2 /NDF: 14565420412.6/25
Left In: 153395.507 $\pm$ 0.063	χ^2 /NDF: 237867933.4/11	Out: 147828.073 $\pm$ 0.043	χ^2 /NDF: 14762660571.3/25
		All: 148024.792 $\pm$ 0.031	χ^2 /NDF: 293726030/25

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 193.213+/-0.043 χ^2/NDF : 245834.9/13

Right Out: 151.174+/-0.043 χ^2/NDF : 1003301.6/18

Left In: 193.534+/-0.045 χ^2/NDF : 232675.7/11

Left: 193.367+/-0.031 χ^2/NDF : 478537.3/25

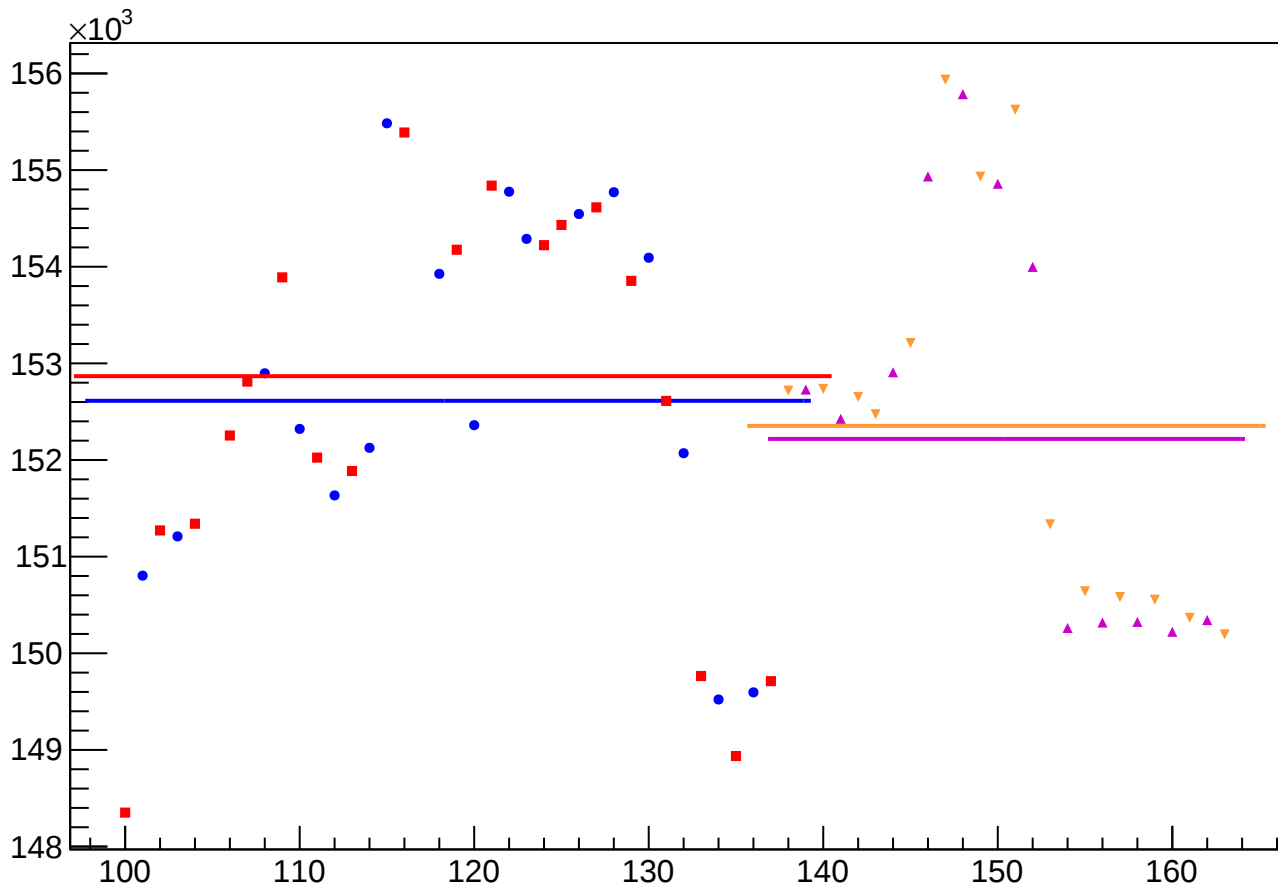
Right: 154.463+/-0.031 χ^2/NDF : 1899543.0/35

In: 176.281+/-0.032 χ^2/NDF : 1420941.8/28

Out: 172.049+/-0.030 χ^2/NDF : 1730286.7/32

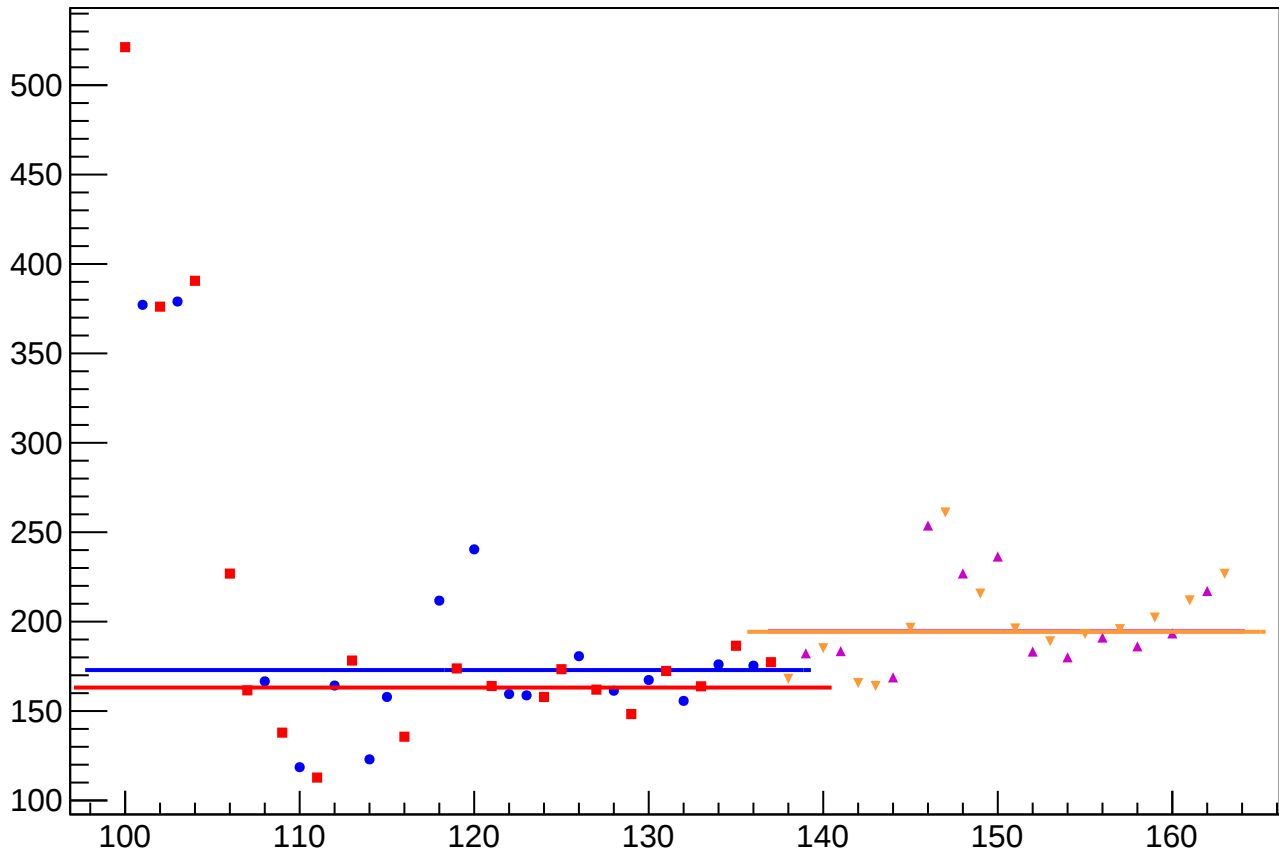
All: 174.052+/-0.022 χ^2/NDF : 3160462.1/61

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152612.586 $\pm$ 0.072	χ^2/NDF : 621416187.4/16	Left: 152288.452 $\pm$ 0.044	χ^2/NDF : 1737794271.8/2
Left Out: 152353.153 $\pm$ 0.061	χ^2/NDF : 850372997.9/13	Right: 152750.957 $\pm$ 0.049	χ^2/NDF : 1347263895.4/7
Right Out: 152867.453 $\pm$ 0.066	χ^2/NDF : 719075986.4/18	In: 152390.081 $\pm$ 0.048	χ^2/NDF : 1523330267.7/28
Left In: 152218.292 $\pm$ 0.063	χ^2/NDF : 885068061.0/11	Out: 152588.802 $\pm$ 0.045	χ^2/NDF : 1602133848.5/3
		All: 152495.481 $\pm$ 0.033	χ^2/NDF : 313469507.1/10

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 194.320+/-0.043 χ^2/NDF : 270772.5/13

Right Out: 163.138+/-0.047 χ^2/NDF : 1033751.2/18

Left In: 194.559+/-0.045 χ^2/NDF : 259855.5/11

Left: 194.435+/-0.031 χ^2/NDF : 530642.8/25

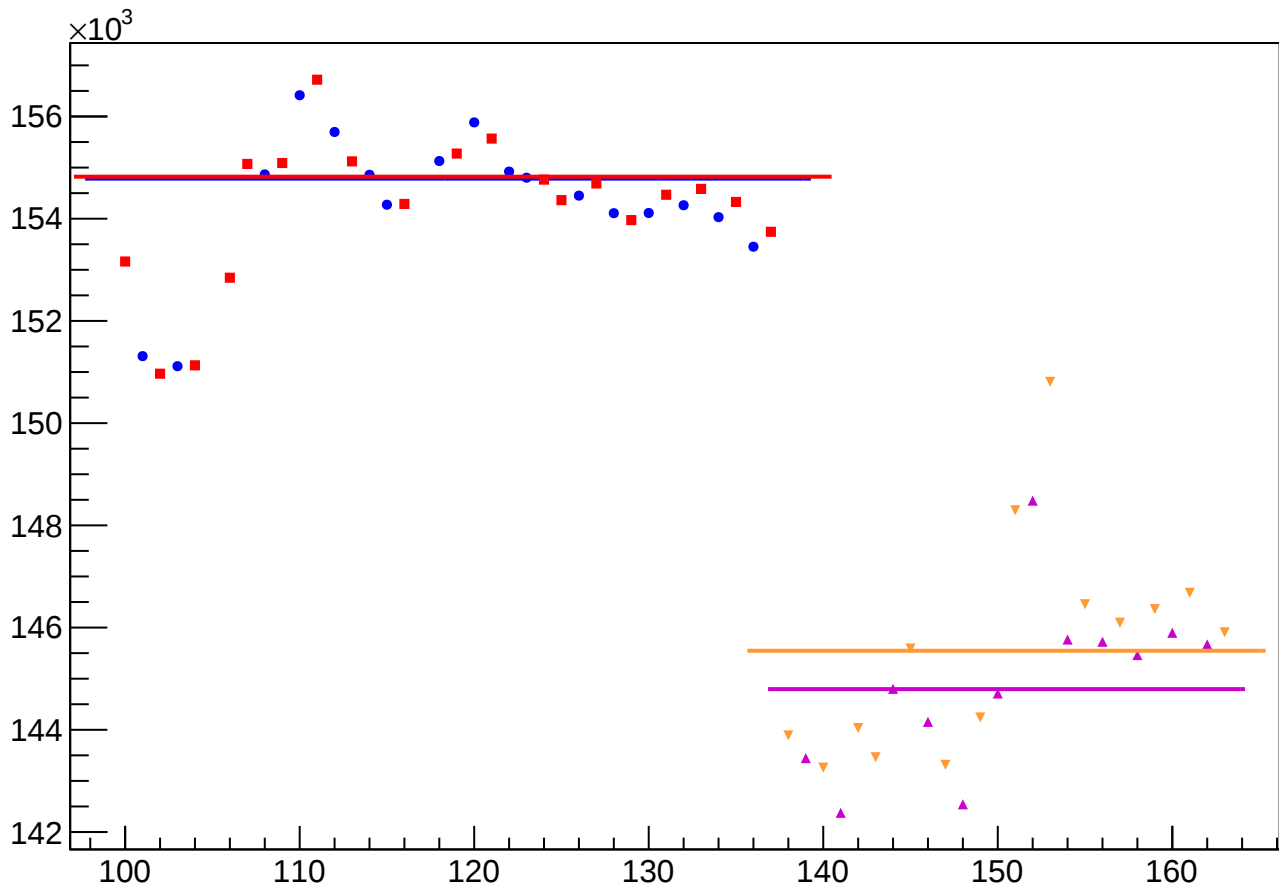
Right: 167.610+/-0.034 χ^2/NDF : 1995658.5/35

In: 185.132+/-0.034 χ^2/NDF : 1303279.9/28

Out: 180.033+/-0.032 χ^2/NDF : 1544817.6/32

All: 182.427+/-0.023 χ^2/NDF : 2860252.9/61

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 145546.692 $\pm$ 0.056 χ^2 /NDF: 1481718050.5/13

Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18

Left In: 144795.986 $\pm$ 0.059 χ^2 /NDF: 808150011.3/11

Left: 145188.876 $\pm$ 0.041 χ^2 /NDF: 2374746289.5/2

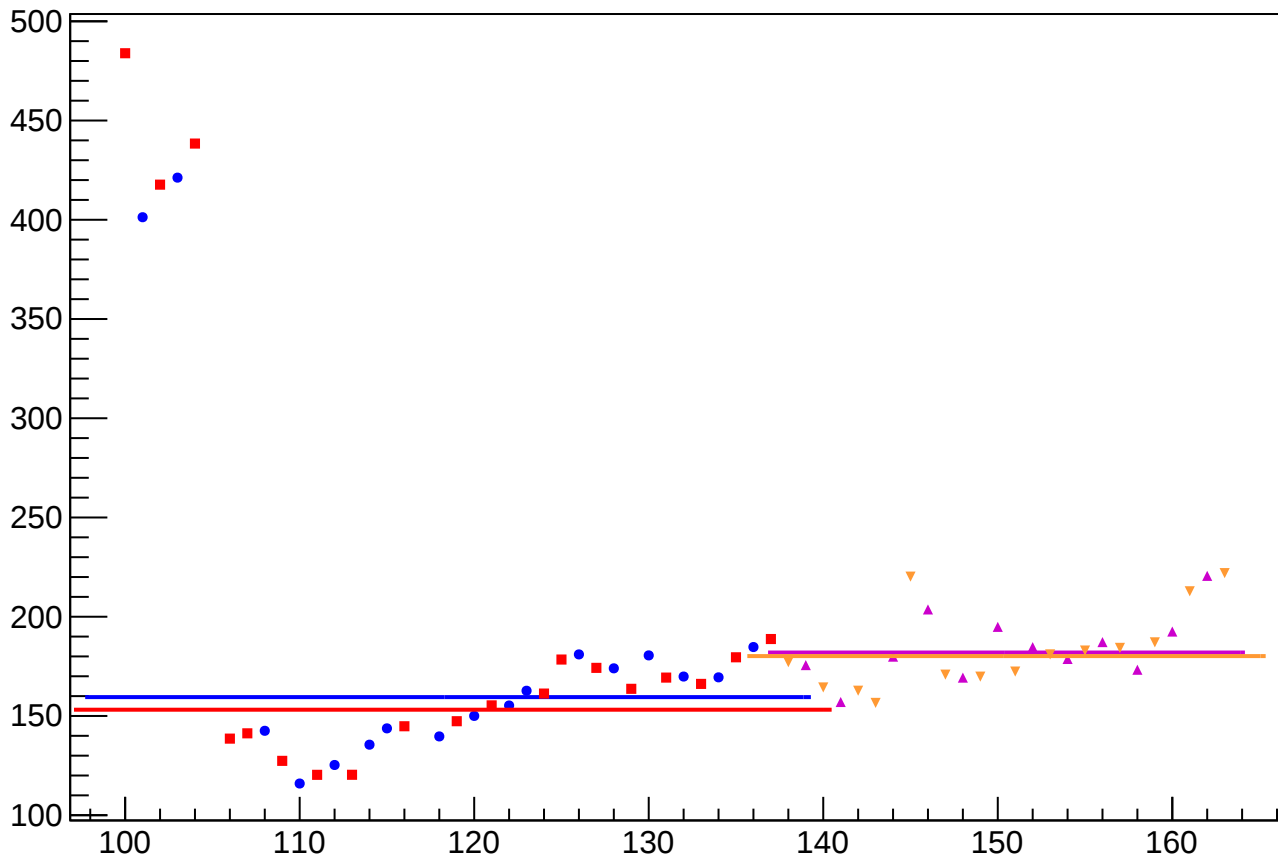
Right: 154804.381 $\pm$ 0.045 χ^2 /NDF: 559614489.4/3

In: 149275.573 $\pm$ 0.044 χ^2 /NDF: 13949407282.0/2

Out: 149818.210 $\pm$ 0.041 χ^2 /NDF: 14294928136.2/2

All: 149562.549 $\pm$ 0.030 χ^2 /NDF: 283255928

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 180.167 $\pm$ 0.040 χ^2 /NDF:211699.6/13

Right Out: 153.153 $\pm$ 0.043 χ^2 /NDF: 1173739.7/18

Left In: 181.965 $\pm$ 0.042 χ^2 /NDF:136550.9/11

Left: 181.024 $\pm$ 0.029 χ^2 /NDF: 349224.0/25

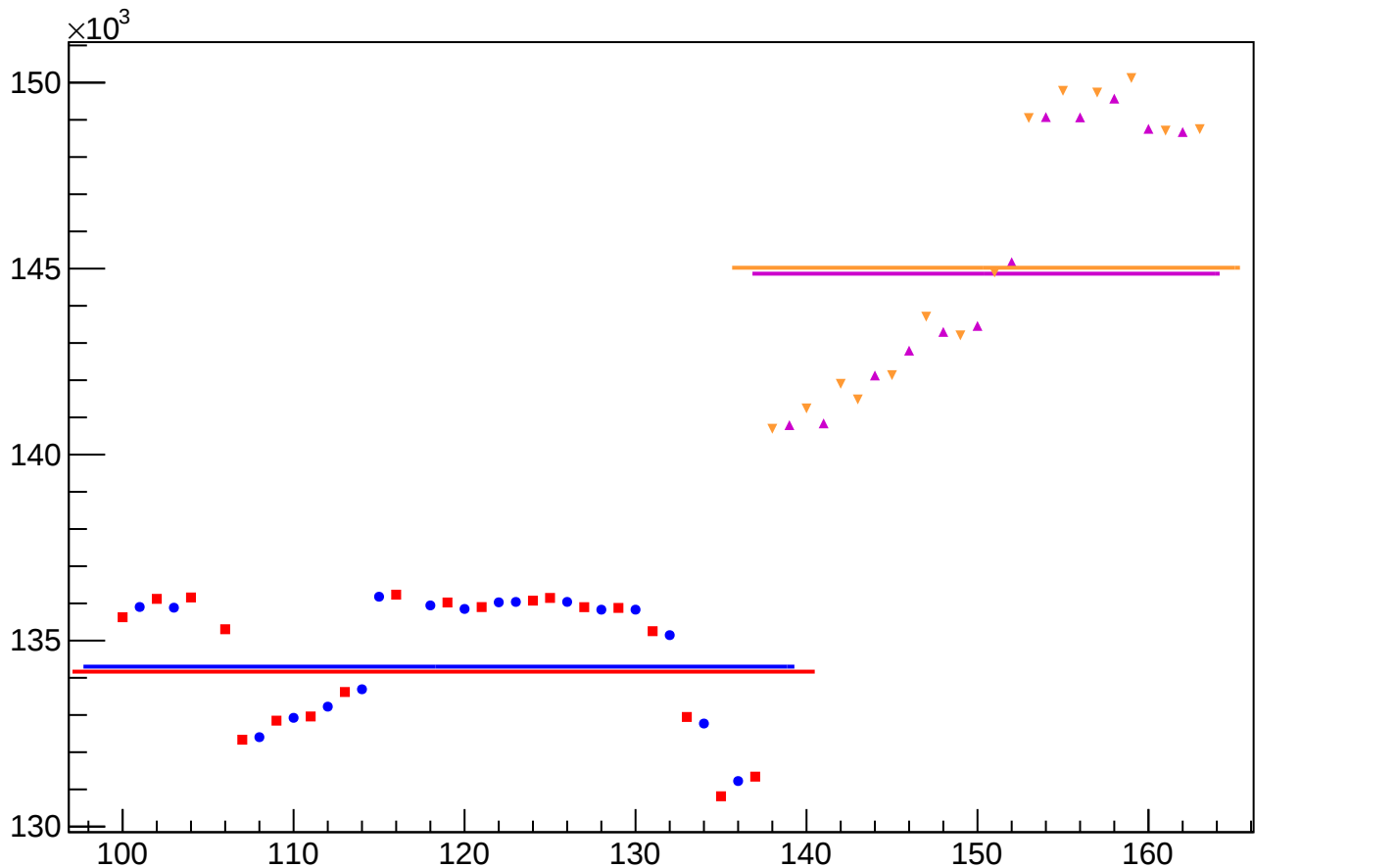
Right: 156.104 $\pm$ 0.032 χ^2 /NDF: 2315690.5/35

In: 171.891 $\pm$ 0.031 χ^2 /NDF:1398624.6/28

Out: 167.727 $\pm$ 0.029 χ^2 /NDF:1597817.0/32

All: 169.689 $\pm$ 0.021 χ^2 /NDF: 3006012.5/61

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134300.025 $\pm$ 0.050

χ^2/NDF : 1149581803.2/16

Left: 144947.955 $\pm$ 0.041

χ^2/NDF : 7116019567.2/2

Right: 134228.768 $\pm$ 0.035

χ^2/NDF : 2364832007.2/2

Left Out: 145023.775 $\pm$ 0.056

χ^2/NDF : 3949856407.8/13

In: 138718.460 $\pm$ 0.038

χ^2/NDF : 22729609747.8/2

Right Out: 134165.615 $\pm$ 0.047

χ^2/NDF : 1211471052.4/18

Out: 138655.081 $\pm$ 0.036

χ^2/NDF : 26864203777.9/2

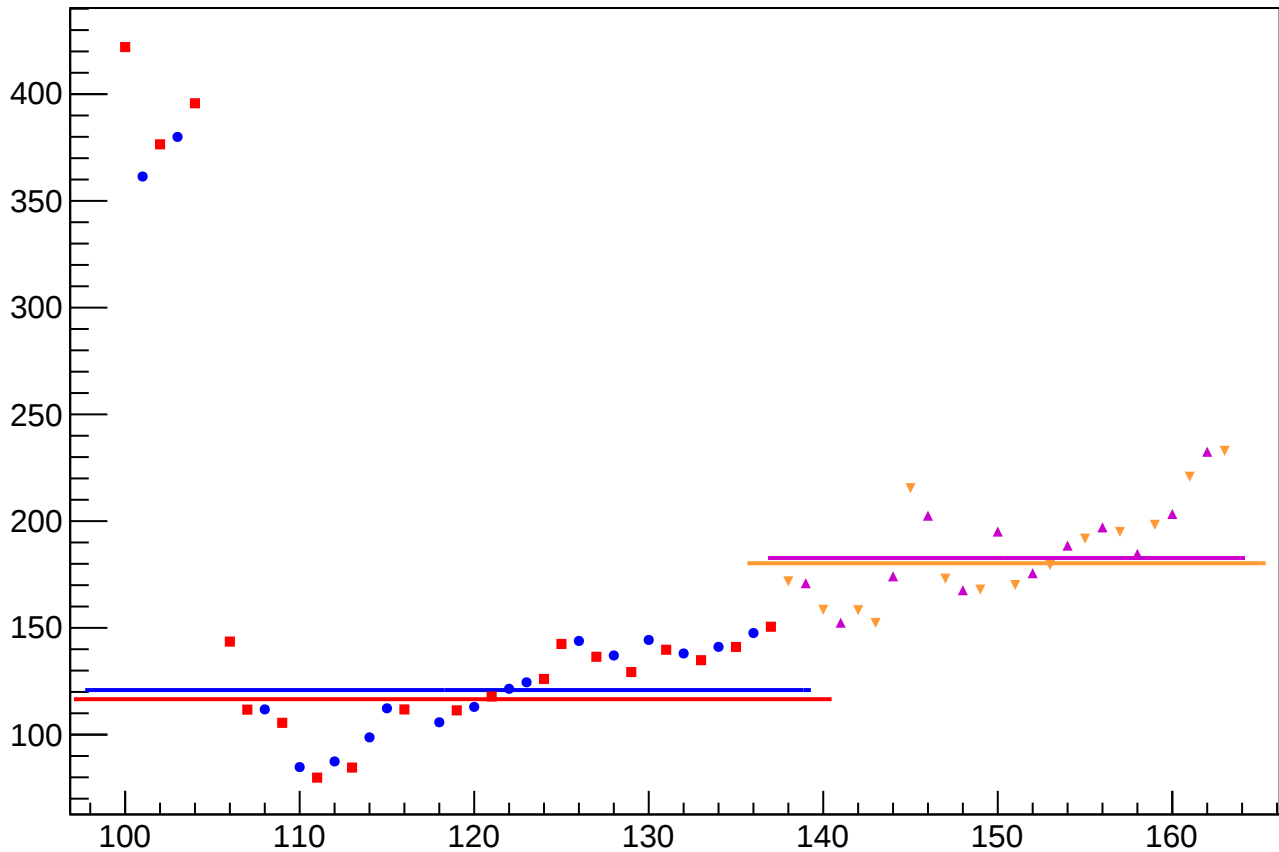
Left In: 144864.075 $\pm$ 0.059

χ^2/NDF : 3162363006.6/11

All: 138684.989 $\pm$ 0.026

χ^2/NDF : 495952523.2/2

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 180.279 $\pm$ 0.040 χ^2 /NDF:307997.4/13

Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

Left In: 182.727 $\pm$ 0.042 χ^2 /NDF:210521.1/11

Left: 181.442 $\pm$ 0.029 χ^2 /NDF: 520304.7/25

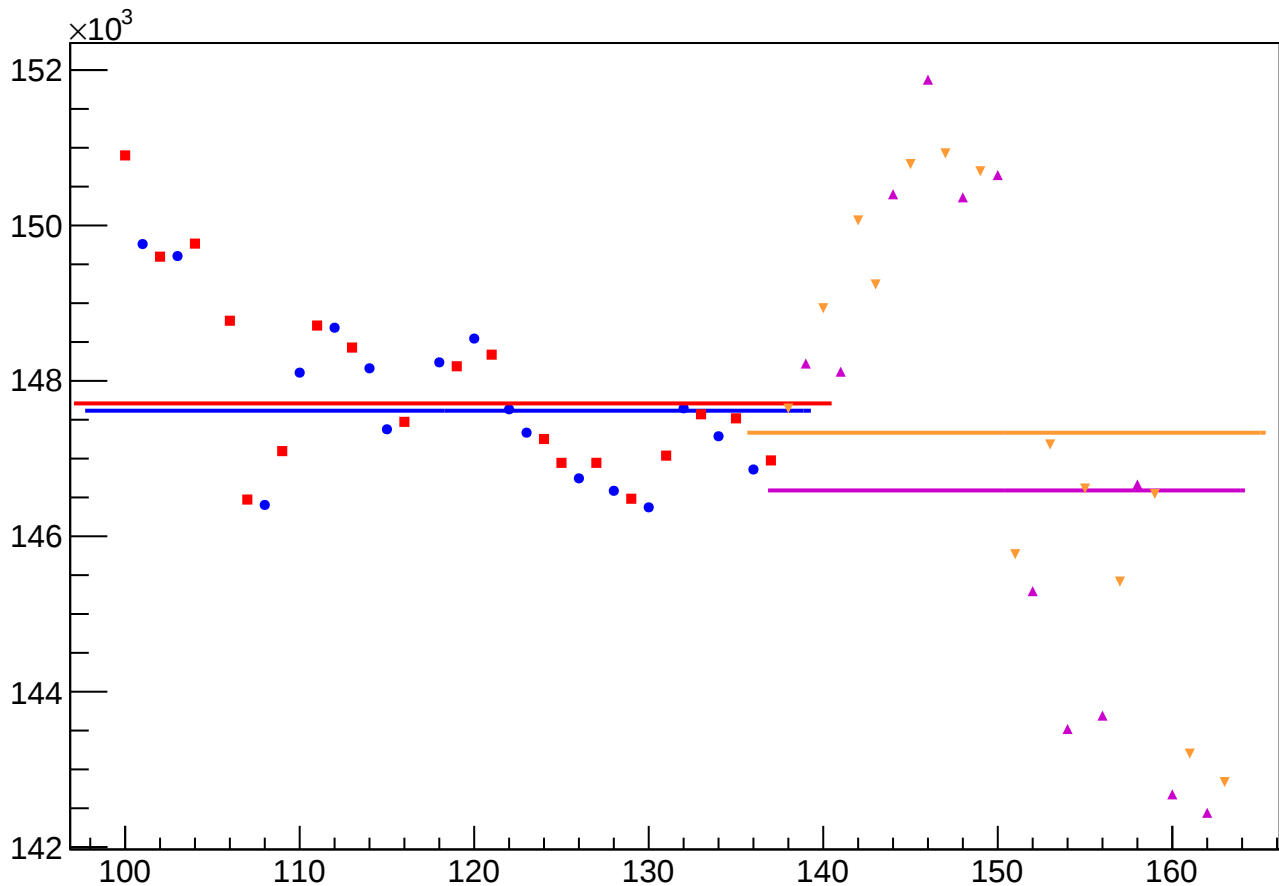
Right: 118.605 $\pm$ 0.024 χ^2 /NDF: 3012723.0/35

In: 146.743 $\pm$ 0.027 χ^2 /NDF:2937104.3/28

Out: 142.926 $\pm$ 0.026 χ^2 /NDF:3342485.9/32

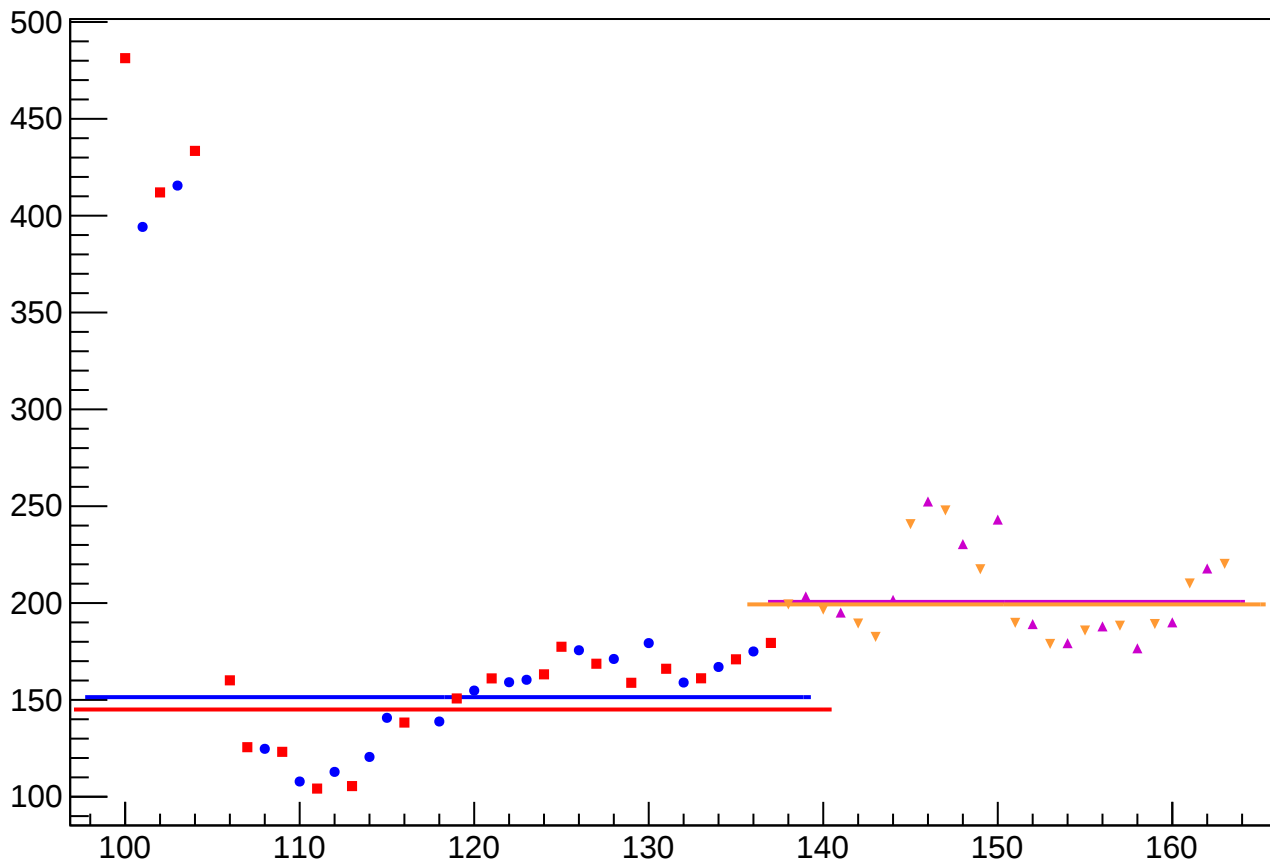
All: 144.727 $\pm$ 0.019 χ^2 /NDF: 6290030.2/61

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147616.150 $\pm$ 0.062	χ^2 /NDF: 199263428.7/16	Left: 146978.482 $\pm$ 0.045	χ^2 /NDF: 3835361260.1/20
Left Out: 147332.995 $\pm$ 0.062	χ^2 /NDF: 1494374388.4/13	Right: 147666.153 $\pm$ 0.043	χ^2 /NDF: 404368550.3/3
Right Out: 147709.723 $\pm$ 0.058	χ^2 /NDF: 203906685.9/18	In: 147124.855 $\pm$ 0.045	χ^2 /NDF: 2601471426.6/28
Left In: 146590.168 $\pm$ 0.065	χ^2 /NDF: 2273100494.9/11	Out: 147533.705 $\pm$ 0.043	χ^2 /NDF: 1717773210.0/3
		All: 147341.087 $\pm$ 0.031	χ^2 /NDF: 436269518

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.424 $\pm$ 0.044 χ^2/NDF : 1257843.0/16

Left Out: 199.309 $\pm$ 0.044 χ^2/NDF :189556.1/13

Right Out: 145.039 $\pm$ 0.041 χ^2/NDF : 1375972.0/18

Left In: 200.592 $\pm$ 0.046 χ^2/NDF :228412.5/11

Left: 199.921 $\pm$ 0.032 χ^2/NDF : 418373.8/25

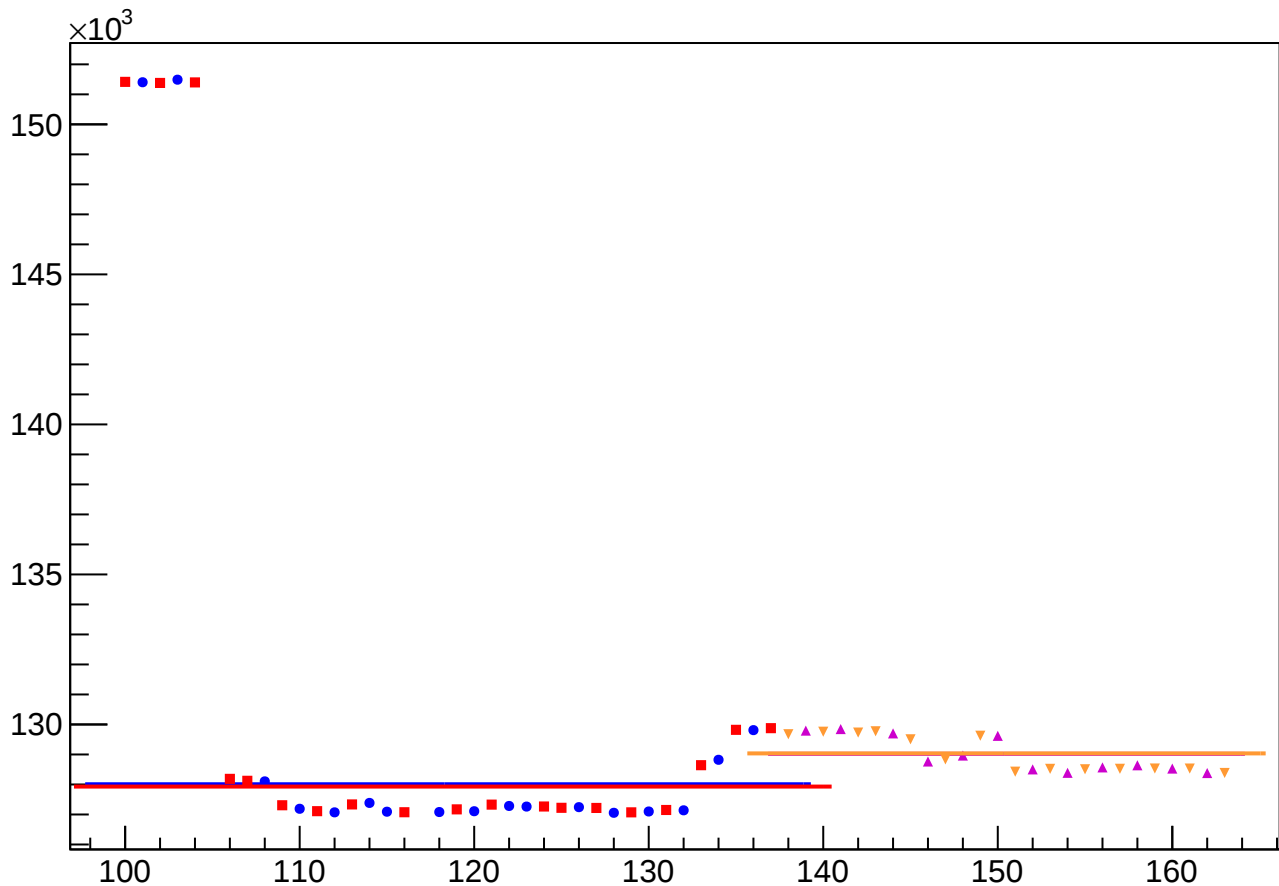
Right: 148.012 $\pm$ 0.030 χ^2/NDF : 2644973.7/35

In: 174.968 $\pm$ 0.032 χ^2/NDF :2079278.4/28

Out: 170.396 $\pm$ 0.030 χ^2/NDF :2374521.4/32

All: 172.550 $\pm$ 0.022 χ^2/NDF : 4464670.6/61

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128007.364+/-0.054

χ^2/NDF : 4319785674.5/16

Left Out: 129035.850+/-0.055

χ^2/NDF : 109971307.1/13

Right Out: 127930.136+/-0.050

χ^2/NDF : 3768176193.0/18

Left In: 129020.521+/-0.058

χ^2/NDF : 96618352.7/11

Left: 129028.585+/-0.040

χ^2/NDF : 206626402.1/25

Right: 127965.988+/-0.037

χ^2/NDF : 8089052681.4/28

In: 128478.971+/-0.040

χ^2/NDF : 4579514825.4/28

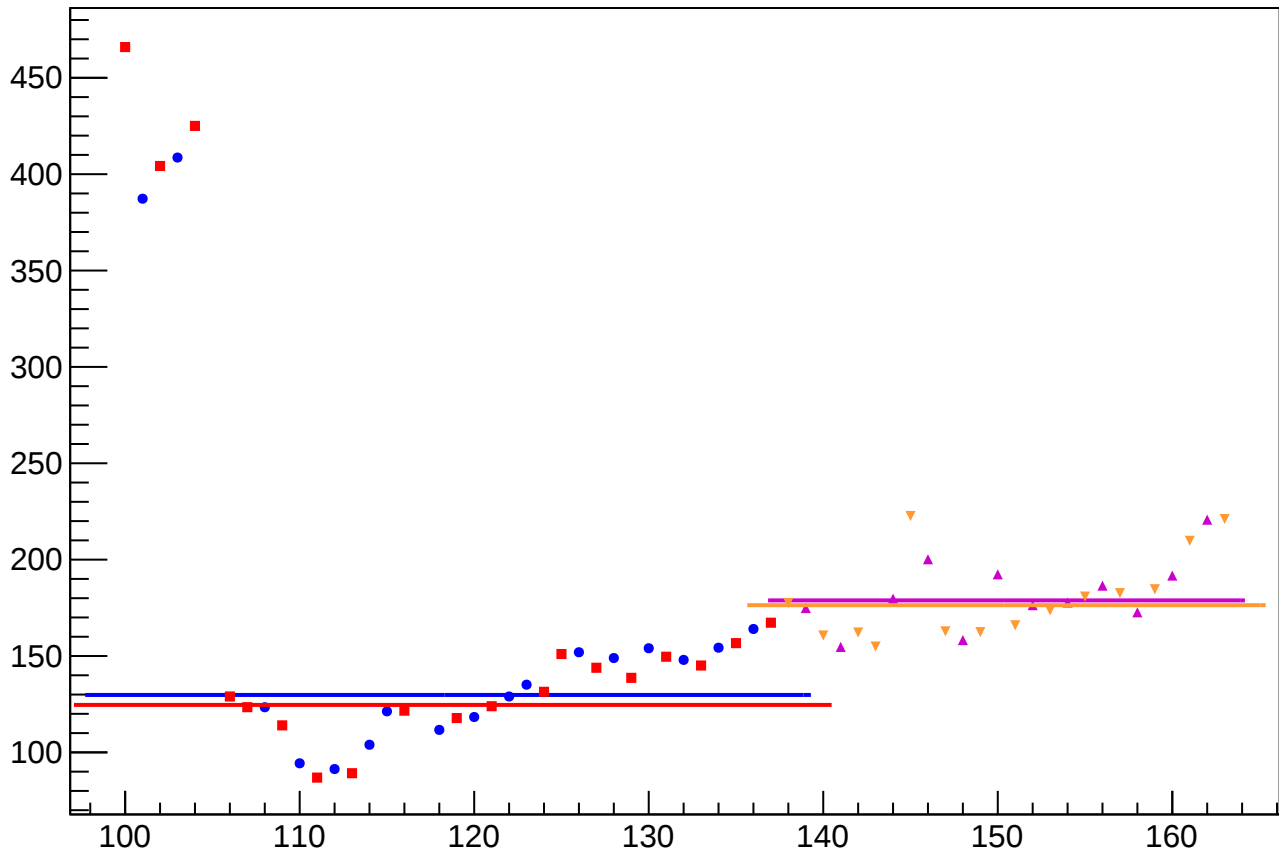
Out: 128434.075+/-0.037

χ^2/NDF : 4097672283.1/30

All: 128455.119+/-0.027

χ^2/NDF : 867787103.1/33

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.796 ± 0.038 $\chi^2/\text{NDF}: 1485294.2/16$

Left Out: 176.367 ± 0.039 $\chi^2/\text{NDF}: 249216.1/13$

Right Out: 124.625 ± 0.036 $\chi^2/\text{NDF}: 1531827.4/18$

Left In: 178.852 ± 0.041 $\chi^2/\text{NDF}: 162365.7/11$

Left: 177.545 ± 0.028 $\chi^2/\text{NDF}: 413513.7/25$

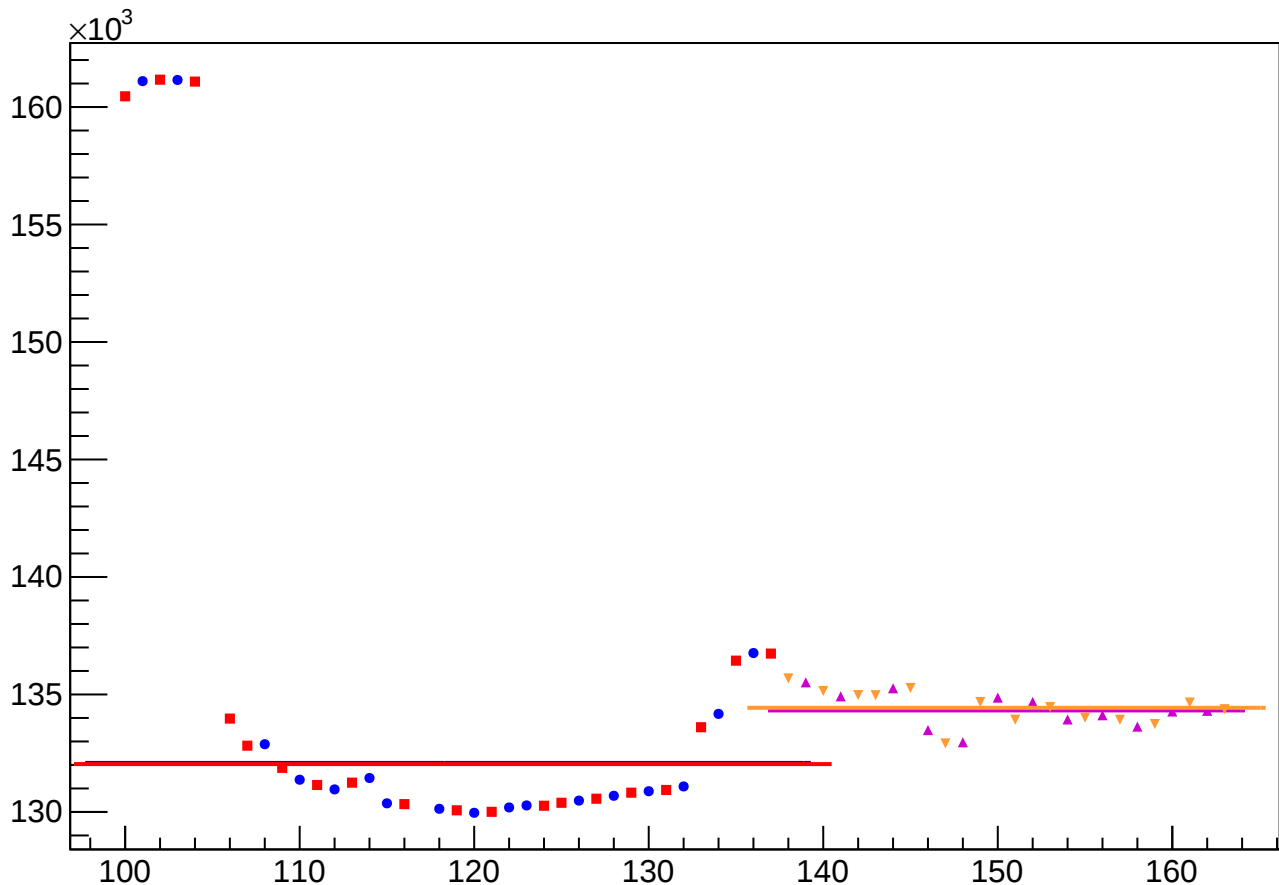
Right: 127.025 ± 0.026 $\chi^2/\text{NDF}: 3026904.3/35$

In: 152.631 ± 0.028 $\chi^2/\text{NDF}: 2412448.7/28$

Out: 148.206 ± 0.026 $\chi^2/\text{NDF}: 2742466.5/32$

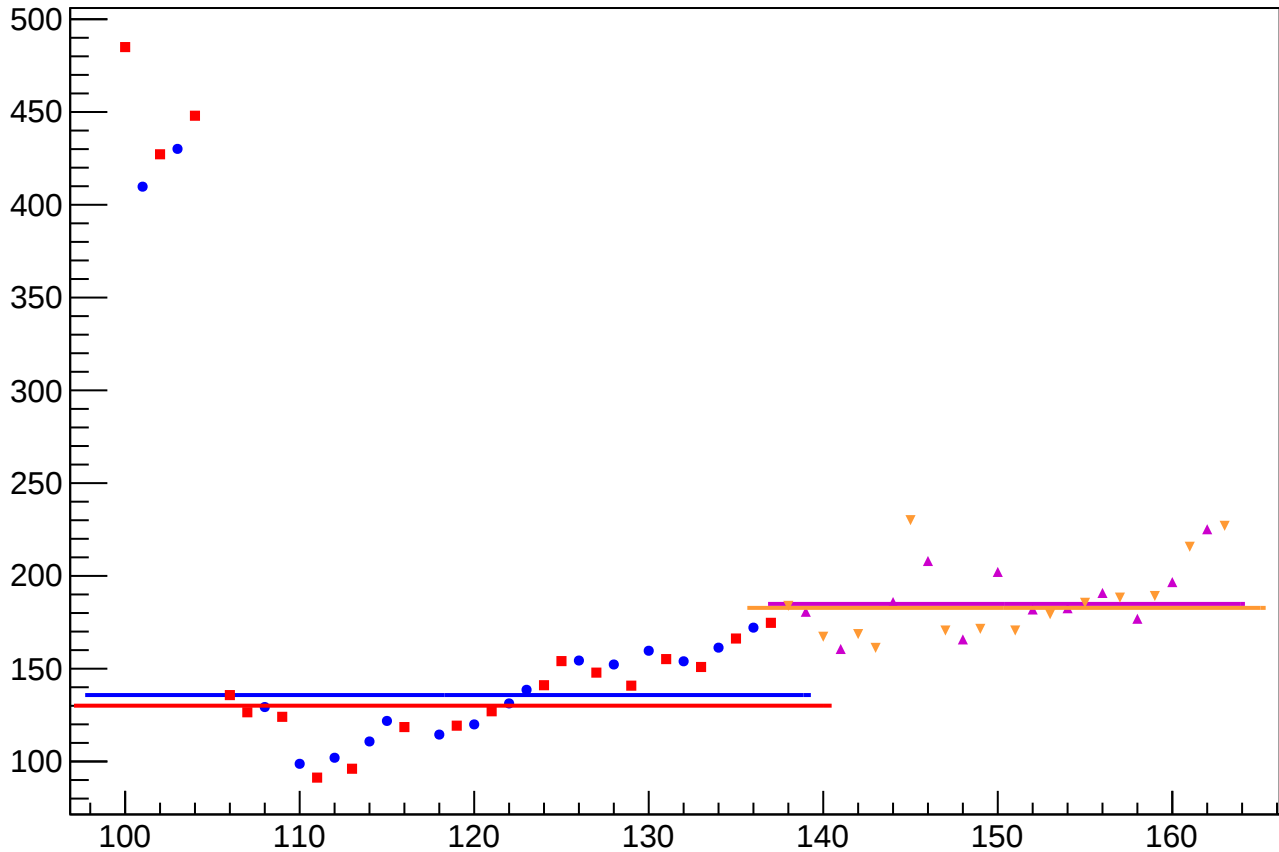
All: 150.280 ± 0.019 $\chi^2/\text{NDF}: 5168198.1/61$

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134432.812 $\pm$ 0.057 χ^2 /NDF: 160527247.2/13
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134320.887 $\pm$ 0.060 χ^2 /NDF: 155570918.6/11
 Left: 134379.636 $\pm$ 0.041 χ^2 /NDF: 317927512.2/25
 Right: 132060.364 $\pm$ 0.038 χ^2 /NDF: 12615754245.0/16
 In: 133138.130 $\pm$ 0.041 χ^2 /NDF: 7623922450.9/28
 Out: 133136.750 $\pm$ 0.039 χ^2 /NDF: 6996818217.8/3
 All: 133137.397 $\pm$ 0.028 χ^2 /NDF: 146207412.0/16

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 182.772 $\pm$ 0.040 χ^2 /NDF:228006.1/13

Right Out: 130.070 $\pm$ 0.037 χ^2 /NDF: 1503997.6/18

Left In: 184.911 $\pm$ 0.042 χ^2 /NDF:152399.0/11

Left: 183.789 $\pm$ 0.029 χ^2 /NDF: 381741.1/25

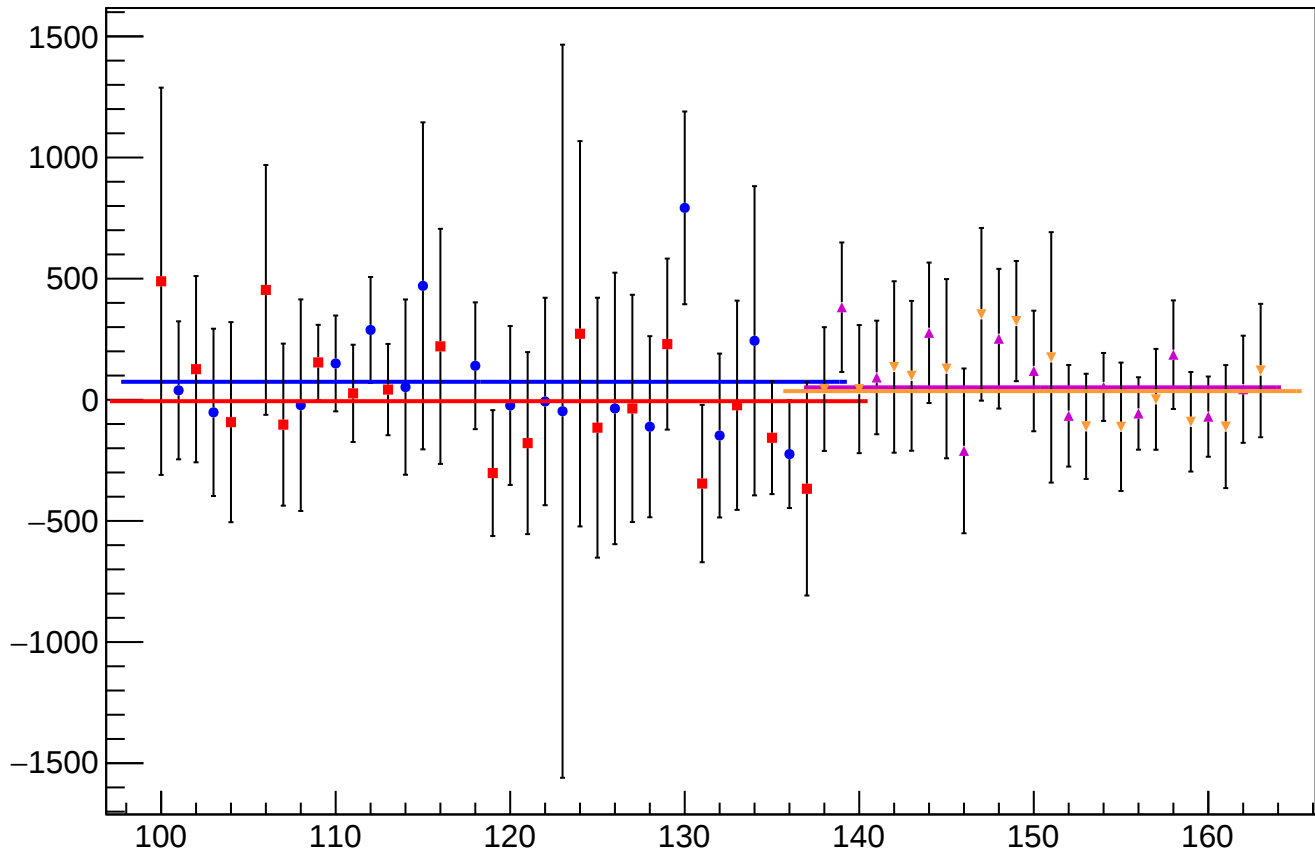
Right: 132.723 $\pm$ 0.027 χ^2 /NDF: 2956918.0/35

In: 158.909 $\pm$ 0.029 χ^2 /NDF:2304885.9/28

Out: 154.255 $\pm$ 0.027 χ^2 /NDF:2655888.5/32

All: 156.437 $\pm$ 0.020 χ^2 /NDF: 4974376.1/61

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.294 $\pm$ 79.018 χ^2/NDF : 7.7/16

Left Out: 35.701 $\pm$ 71.758 χ^2/NDF : 4.0/13

Right Out: -5.739 $\pm$ 70.069 χ^2/NDF : 7.1/18

Left In: 51.378 $\pm$ 60.187 χ^2/NDF : 5.0/11

Left: 44.904 $\pm$ 46.114 χ^2/NDF : 9.1/25

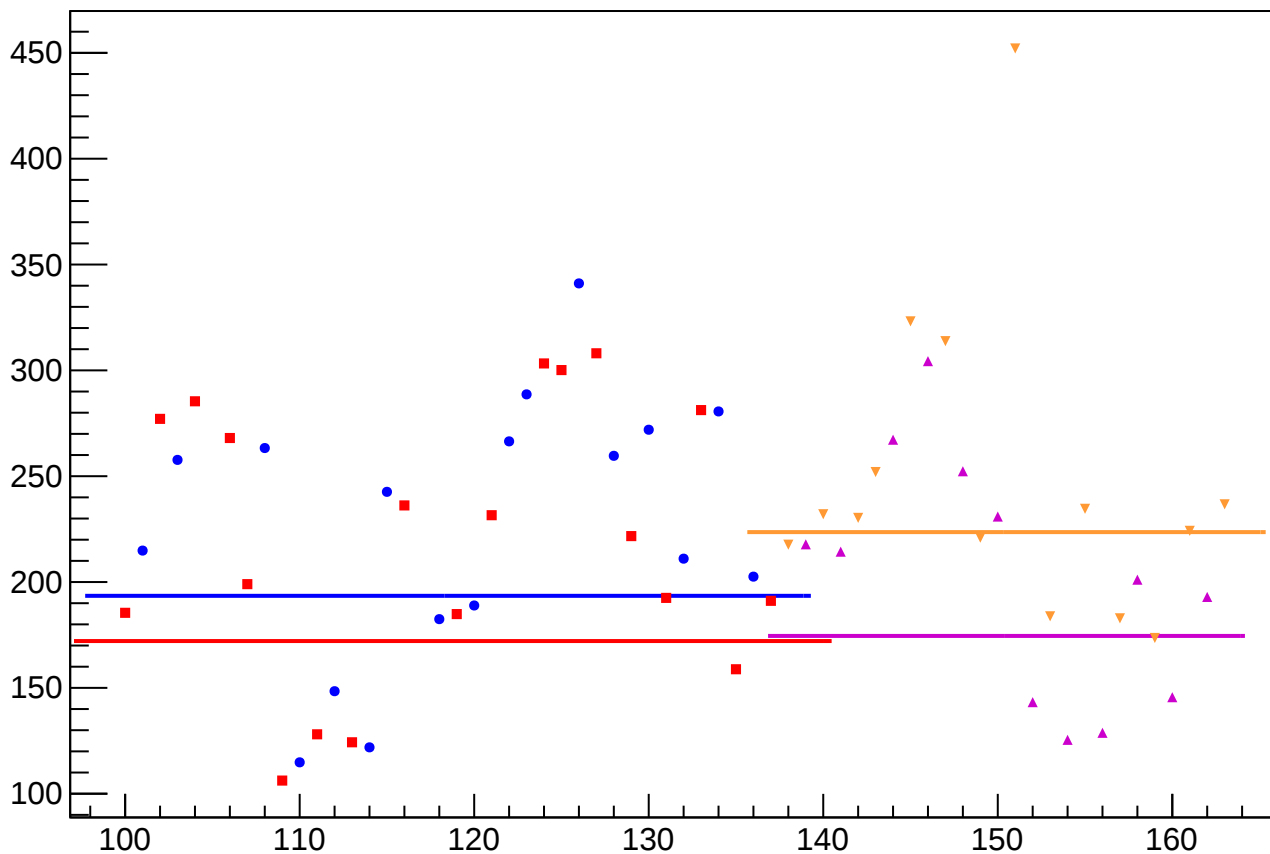
Right: 29.490 $\pm$ 52.426 χ^2/NDF : 15.4/35

In: 59.792 $\pm$ 47.880 χ^2/NDF : 12.8/28

Out: 14.487 $\pm$ 50.133 χ^2/NDF : 11.3/32

All: 38.180 $\pm$ 34.625 χ^2/NDF : 24.5/61

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 223.588 $\pm$ 0.051 χ^2 /NDF:955270.8/13

Right Out: 172.122 $\pm$ 0.050 χ^2 /NDF: 1579840.2/18

Left In: 174.541 $\pm$ 0.043 χ^2 /NDF:1434668.9/11

Left: 194.796 $\pm$ 0.033 χ^2 /NDF: 2938433.8/25

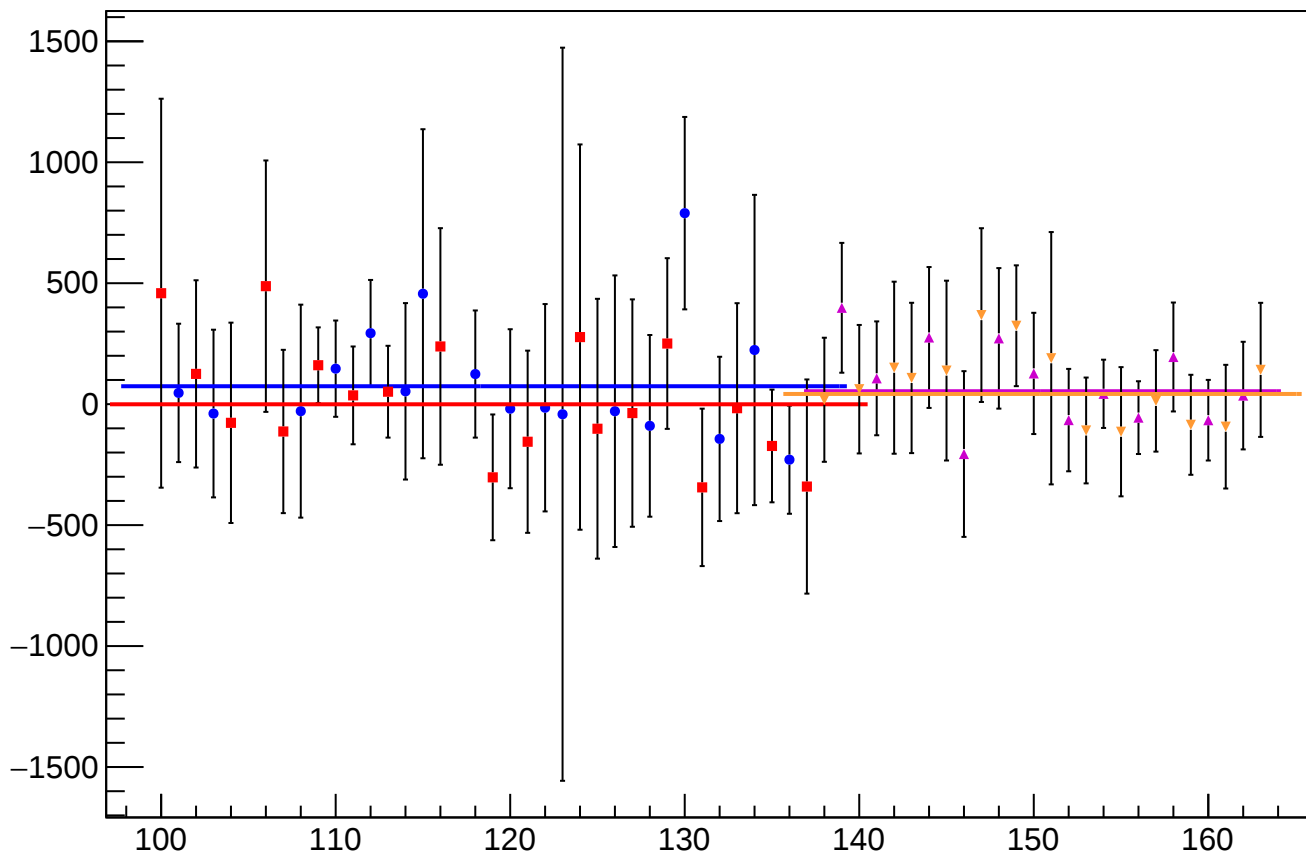
Right: 181.527 $\pm$ 0.037 χ^2 /NDF: 2678891.2/35

In: 181.497 $\pm$ 0.034 χ^2 /NDF:2524635.1/28

Out: 197.242 $\pm$ 0.035 χ^2 /NDF:3061751.6/32

All: 189.008 $\pm$ 0.024 χ^2 /NDF: 5689555.4/61

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 74.098 $\pm$ 79.404 χ^2/NDF : 7.6/16

Left Out: 42.171 $\pm$ 72.218 χ^2/NDF : 4.0/13

Right Out: -0.503 $\pm$ 70.437 χ^2/NDF : 7.3/18

Left In: 53.494 $\pm$ 60.553 χ^2/NDF : 5.3/11

Left: 48.820 $\pm$ 46.401 χ^2/NDF : 9.3/25

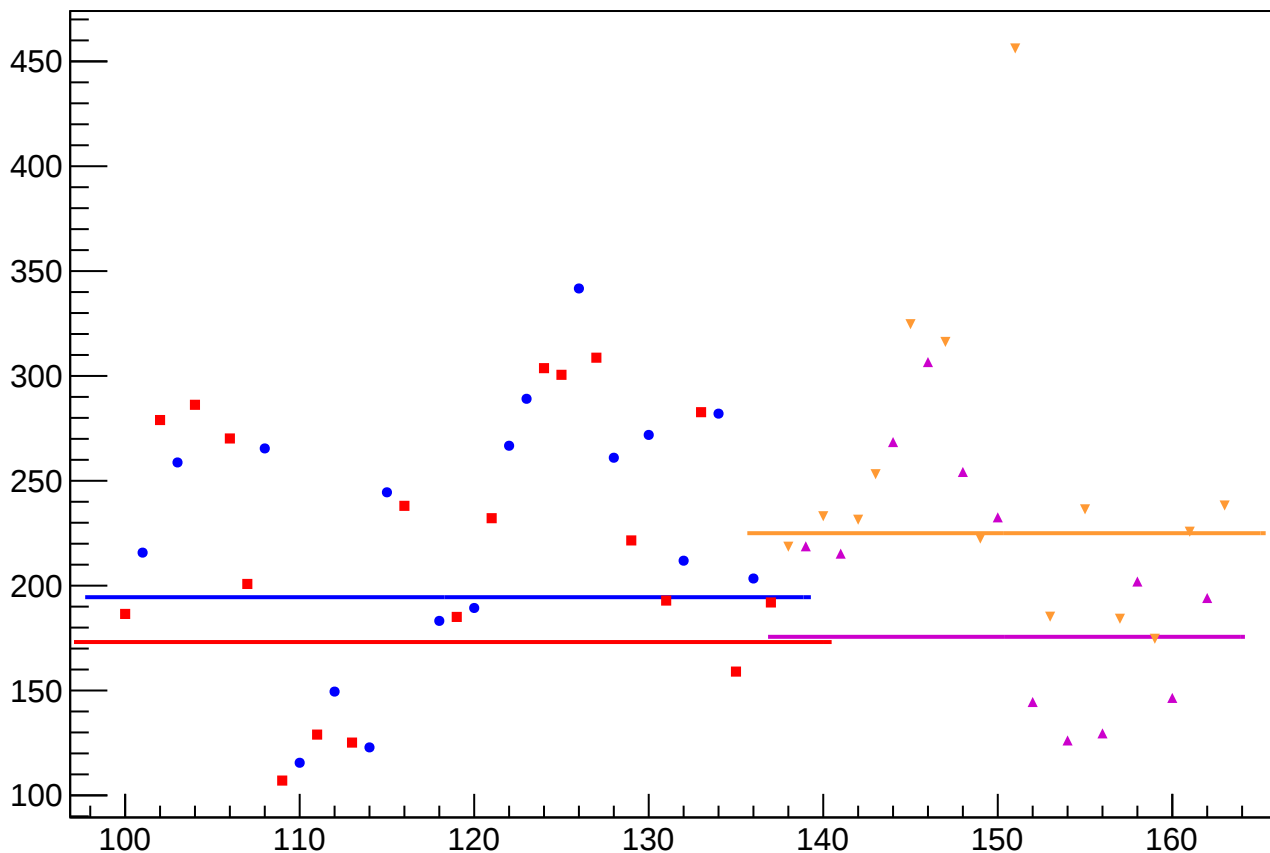
Right: 32.349 $\pm$ 52.693 χ^2/NDF : 15.4/35

In: 61.070 $\pm$ 48.150 χ^2/NDF : 12.9/28

Out: 20.301 $\pm$ 50.424 χ^2/NDF : 11.5/32

All: 41.626 $\pm$ 34.823 χ^2/NDF : 24.7/61

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.496+/-0.056 χ^2/NDF : 1008514.7/16

Left Out: 225.016+/-0.051 χ^2/NDF : 954793.4/13

Right Out: 173.111+/-0.050 χ^2/NDF : 1567374.3/18

Left In: 175.602+/-0.043 χ^2/NDF : 1432675.7/11

Left: 196.001+/-0.033 χ^2/NDF : 2937273.1/25

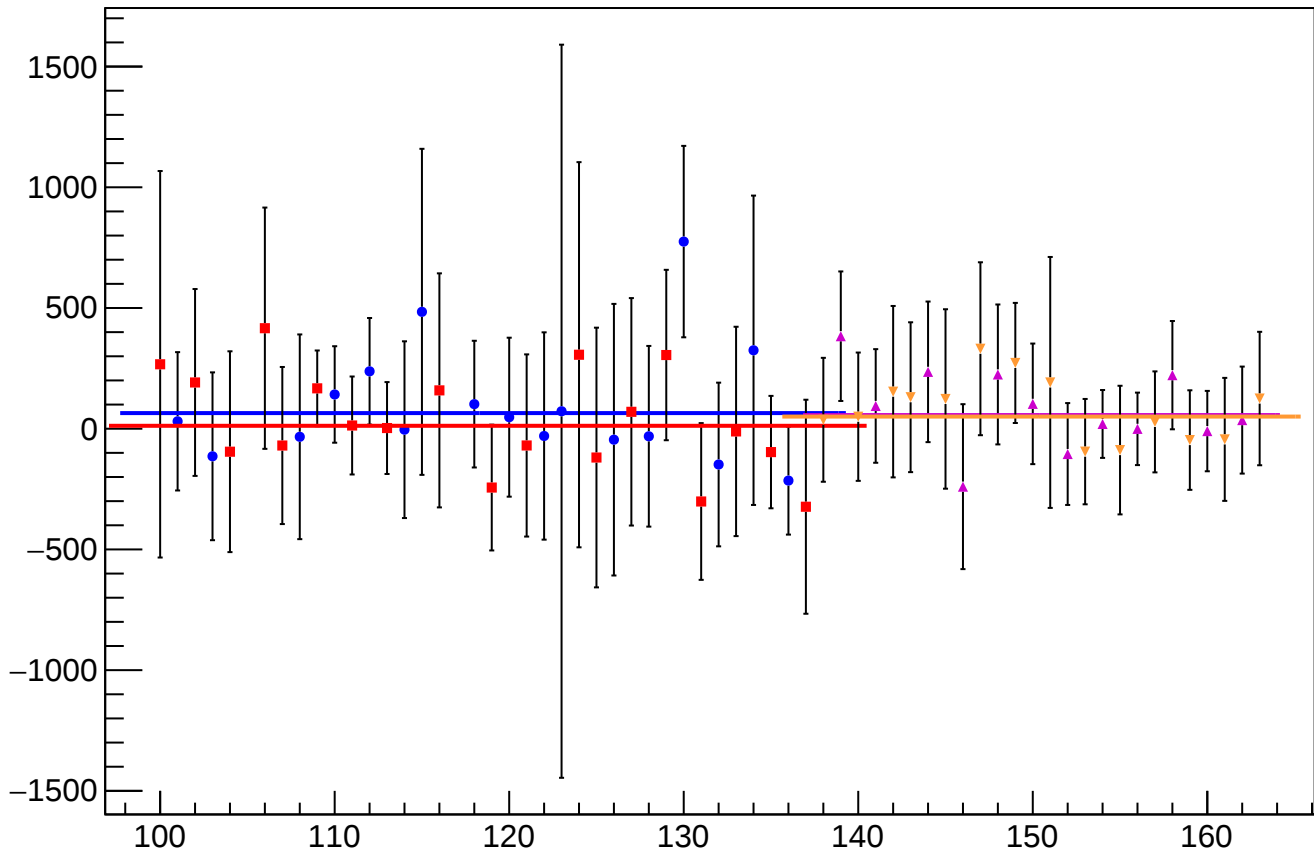
Right: 182.529+/-0.037 χ^2/NDF : 2657073.5/35

In: 182.550+/-0.034 χ^2/NDF : 2512791.4/28

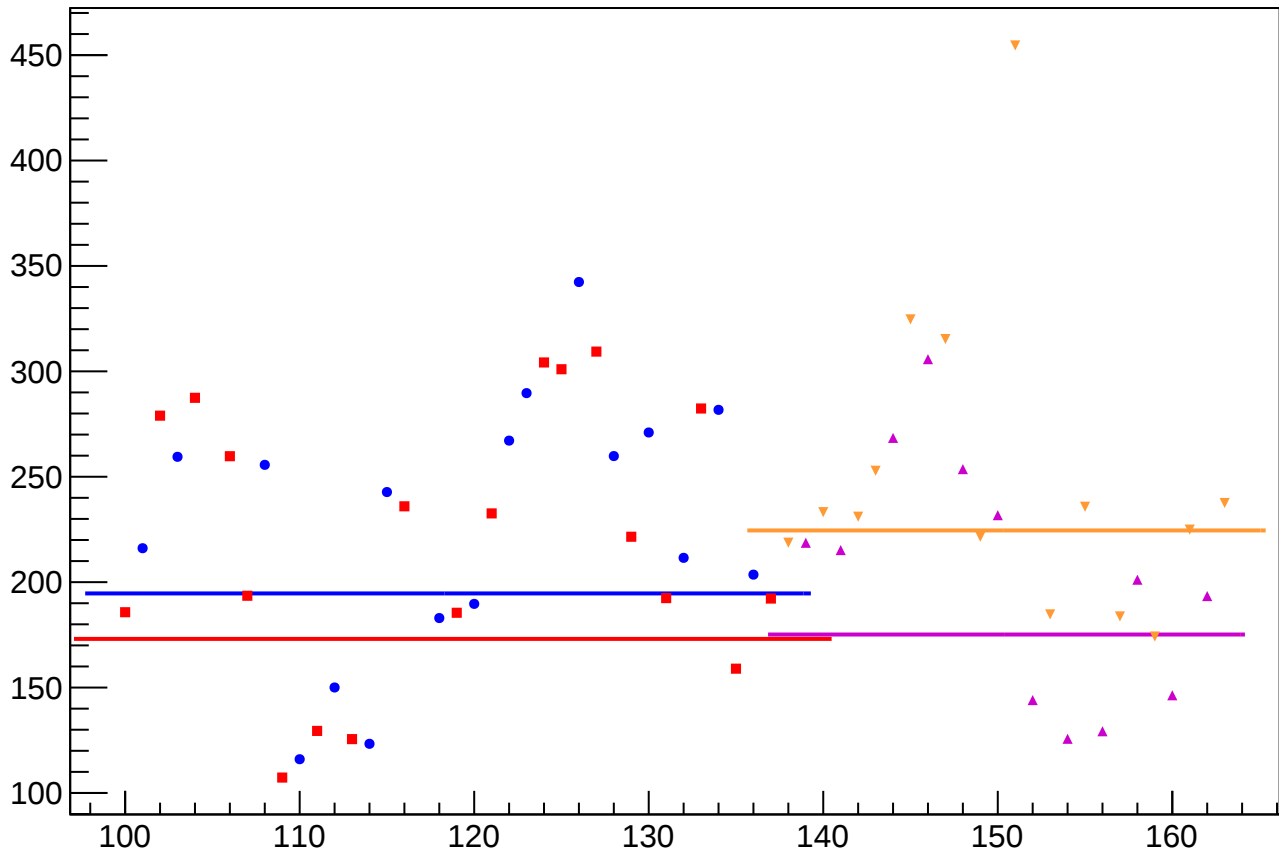
Out: 198.415+/-0.036 χ^2/NDF : 3051626.2/32

All: 190.117+/-0.025 χ^2/NDF : 5667984.4/61

asym_bcm_an_us_mean vs Slug, Sign Corrected



asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 224.529+/-0.051 χ^2/NDF : 956210.6/13

Right Out: 173.089+/-0.050 χ^2/NDF : 1544540.9/18

Left In: 175.161+/-0.043 χ^2/NDF : 1435986.3/11

Left: 195.533+/-0.033 χ^2/NDF : 2943466.3/25

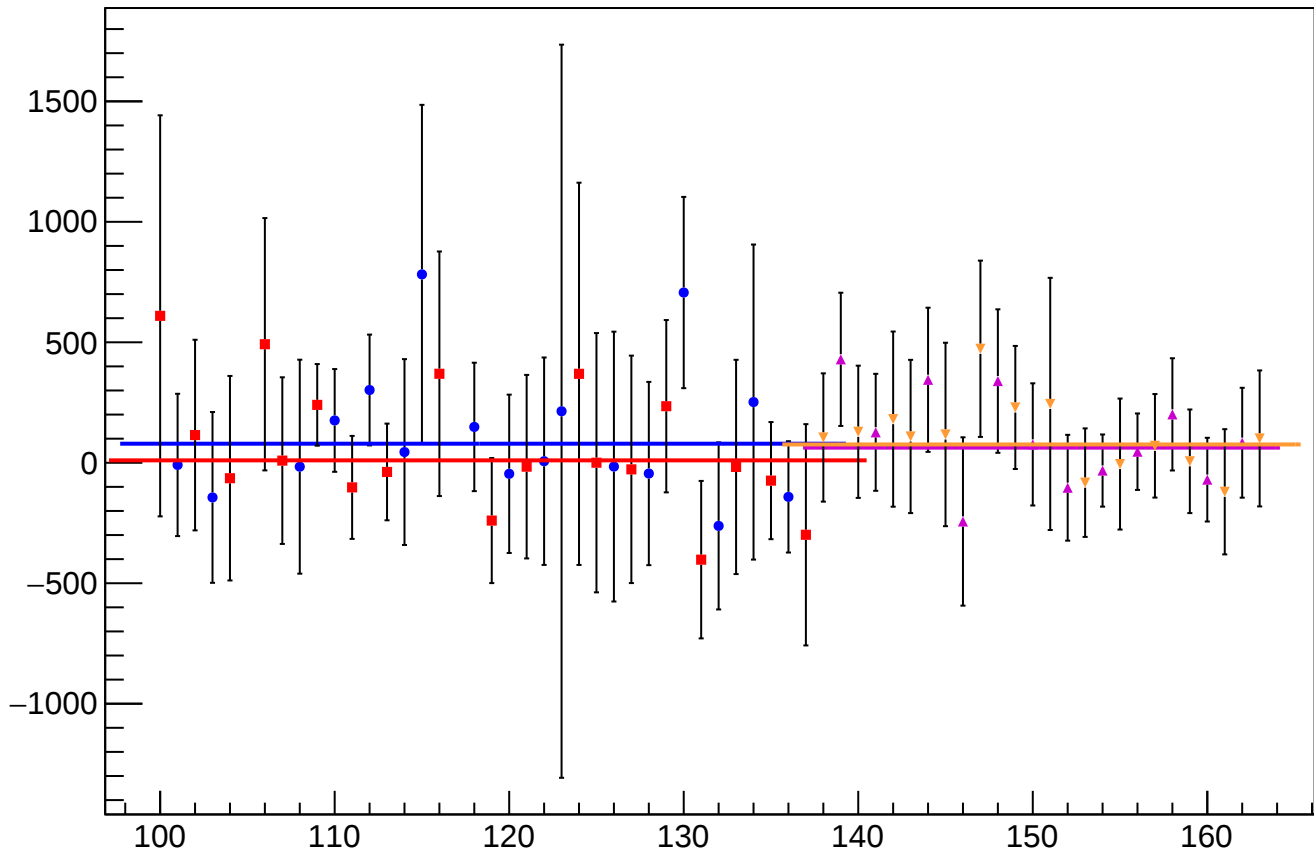
Right: 182.574+/-0.037 χ^2/NDF : 2613964.4/35

In: 182.306+/-0.034 χ^2/NDF : 2499123.1/28

Out: 198.194+/-0.036 χ^2/NDF : 3022457.6/32

All: 189.884+/-0.025 χ^2/NDF : 5625758.3/61

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 75.991+/-74.104 χ^2/NDF : 3.1/13

Right Out: 9.982+/-73.310 χ^2/NDF : 7.9/18

Left In: 62.826+/-62.980 χ^2/NDF : 6.3/11

Left: 68.347+/-47.990 χ^2/NDF : 9.4/25

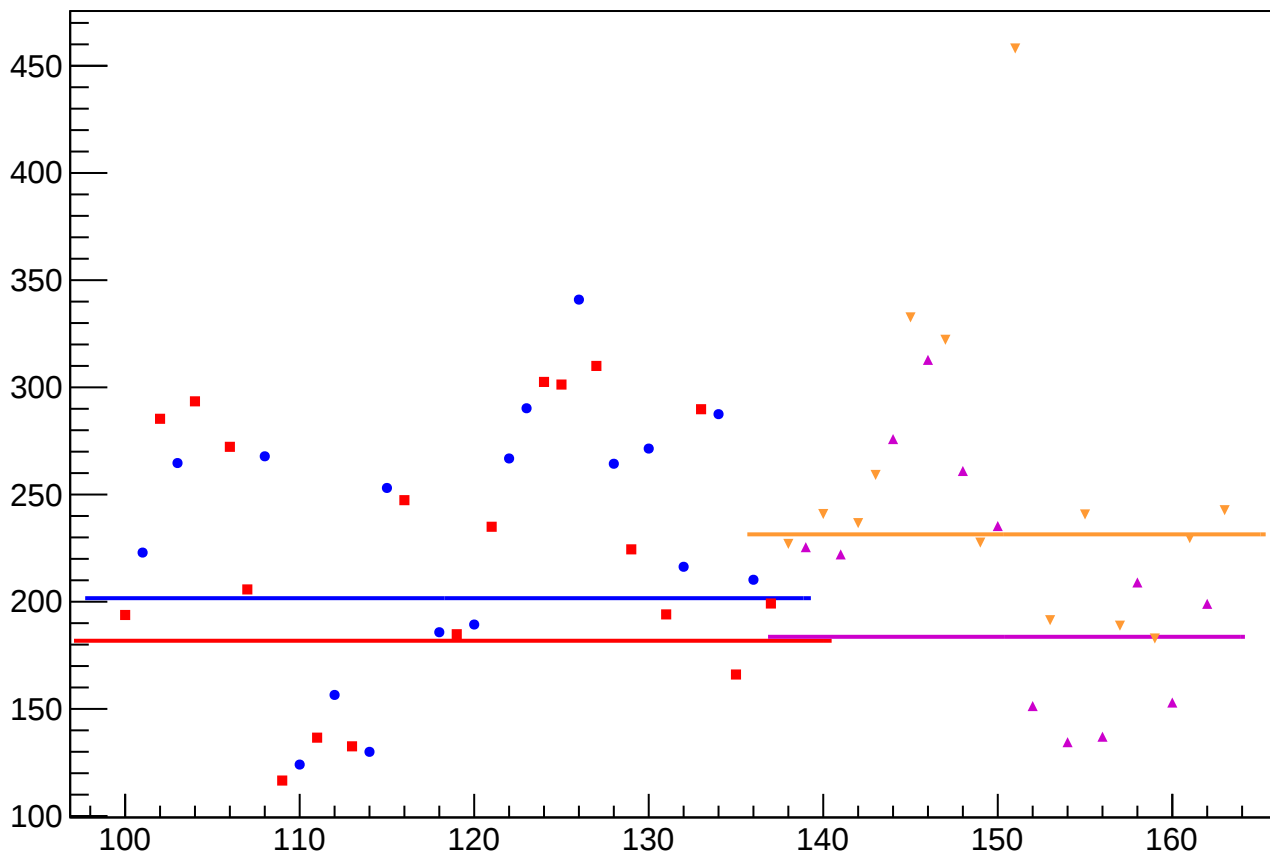
Right: 40.751+/-54.616 χ^2/NDF : 15.8/35

In: 68.886+/-49.920 χ^2/NDF : 13.8/28

Out: 42.631+/-52.117 χ^2/NDF : 11.3/32

All: 56.323+/-36.050 χ^2/NDF : 25.3/61

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 201.654+/-0.058 χ^2/NDF : 883179.7/16

Left Out: 231.429+/-0.052 χ^2/NDF : 908118.5/13

Right Out: 181.797+/-0.052 χ^2/NDF : 1377449.9/18

Left In: 183.641+/-0.045 χ^2/NDF : 1304007.3/11

Left: 203.683+/-0.034 χ^2/NDF : 2695034.5/25

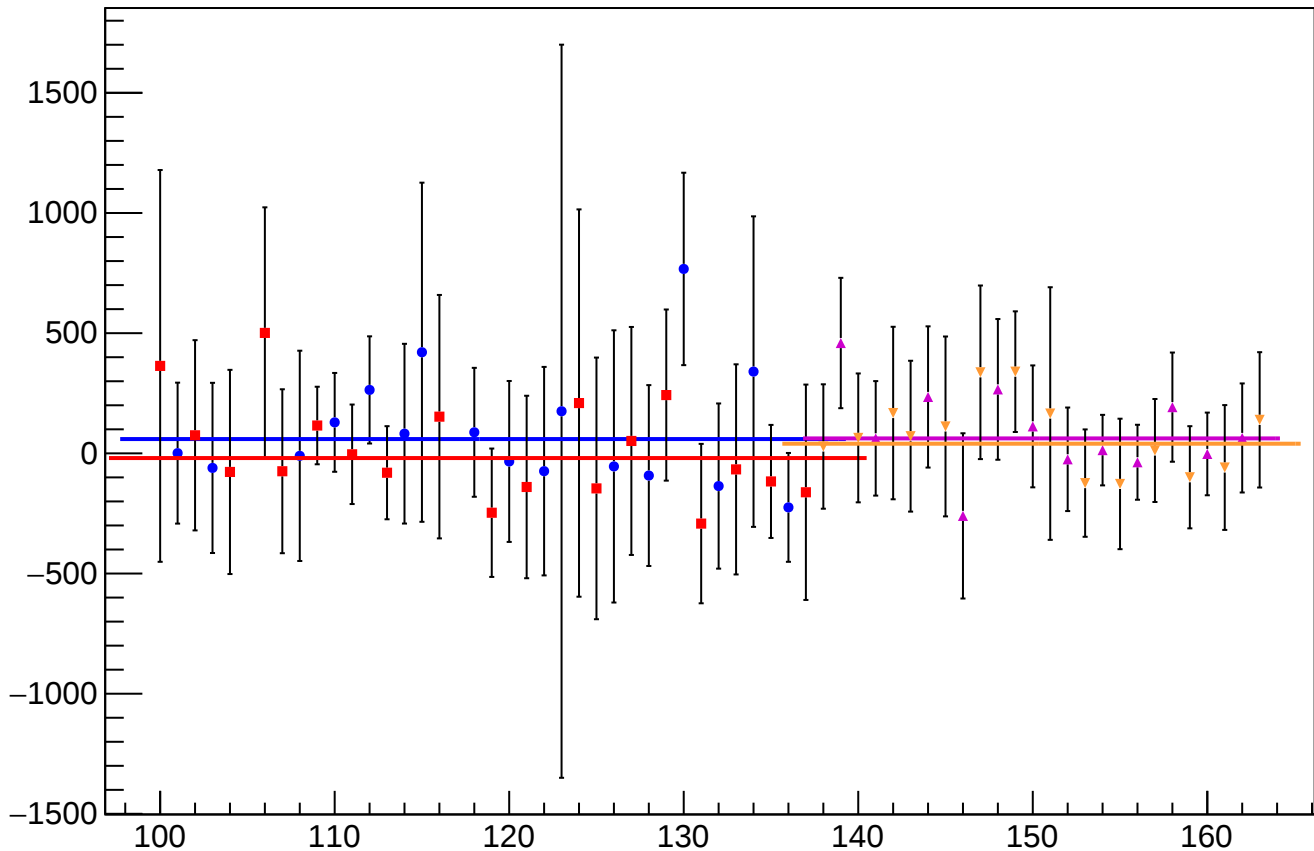
Right: 190.633+/-0.039 χ^2/NDF : 2325921.8/35

In: 190.338+/-0.035 χ^2/NDF : 2248006.0/28

Out: 206.346+/-0.037 χ^2/NDF : 2738970.7/32

All: 197.997+/-0.025 χ^2/NDF : 5085386.9/61

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.496 $\pm$ 80.808 χ^2 /NDF: 7.0/16

Left Out: 40.127 $\pm$ 73.312 χ^2 /NDF:4.0/13

Right Out: -19.541 $\pm$ 71.866 χ^2 /NDF: 4.7/18

Left In: 62.156 $\pm$ 61.990 χ^2 /NDF:5.0/11

Left: 52.972 $\pm$ 47.336 χ^2 /NDF: 9.1/25

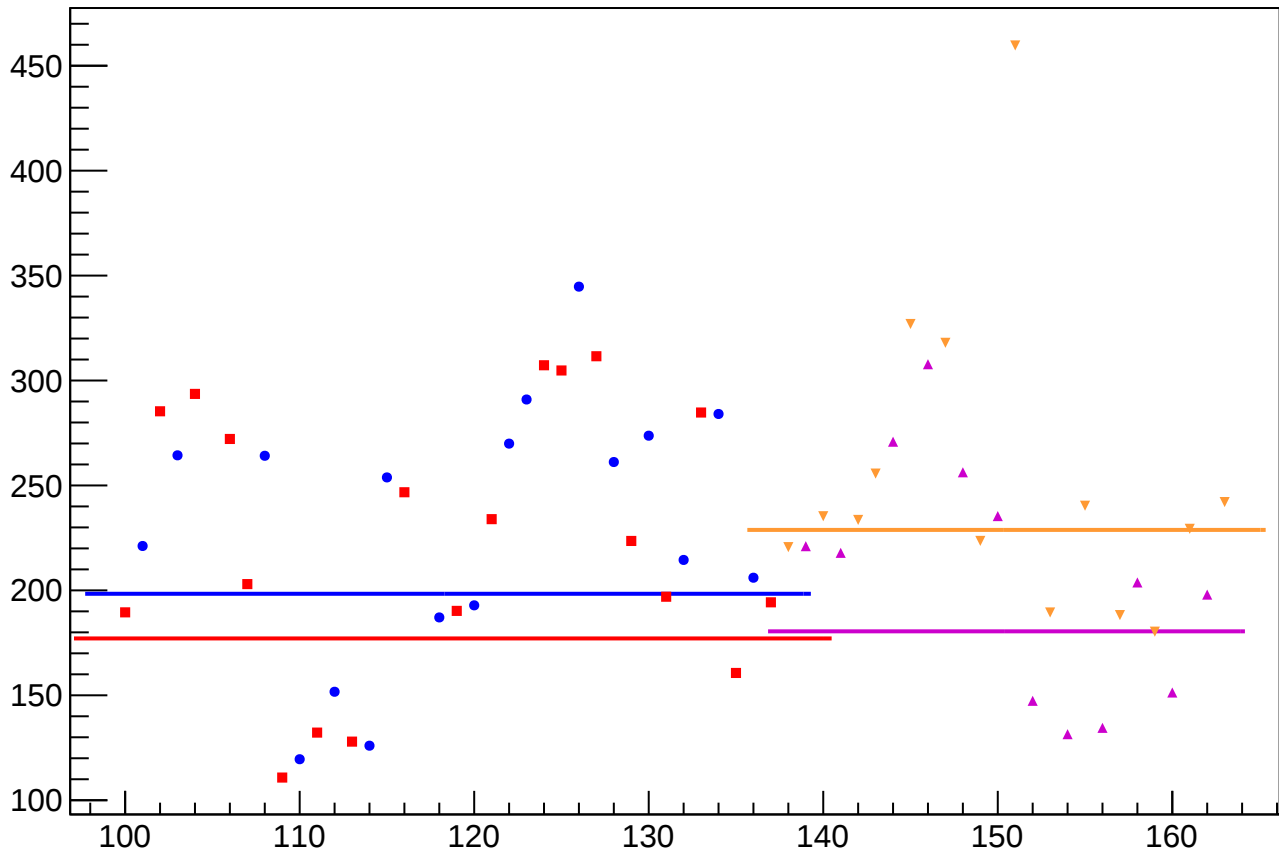
Right: 15.364 $\pm$ 53.701 χ^2 /NDF: 12.3/35

In: 61.170 $\pm$ 49.185 χ^2 /NDF:12.0/28

Out: 9.699 $\pm$ 51.320 χ^2 /NDF:9.0/32

All: 36.528 $\pm$ 35.510 χ^2 /NDF: 21.6/61

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.378+/-0.057 χ^2/NDF : 963672.6/16

Left Out: 228.813+/-0.052 χ^2/NDF : 910459.6/13

Right Out: 177.096+/-0.051 χ^2/NDF : 1524763.6/18

Left In: 180.481+/-0.044 χ^2/NDF : 1320037.5/11

Left: 200.631+/-0.033 χ^2/NDF : 2737357.8/25

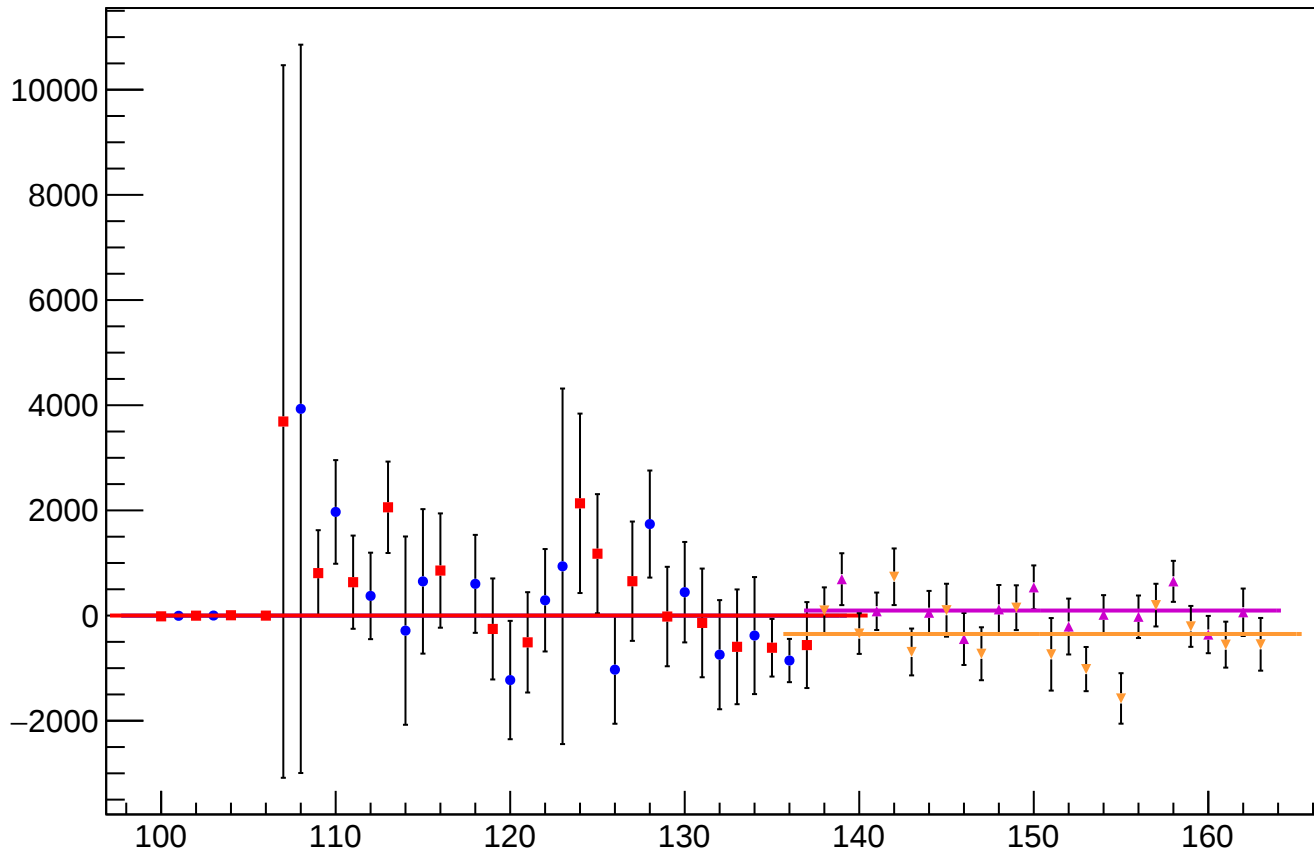
Right: 186.495+/-0.038 χ^2/NDF : 2565896.1/35

In: 187.111+/-0.035 χ^2/NDF : 2345471.0/28

Out: 202.439+/-0.036 χ^2/NDF : 2942772.3/32

All: 194.450+/-0.025 χ^2/NDF : 5381239.2/61

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -350.309 ± 121.466 χ^2/NDF : 20.1/13

Right Out: 0.727 ± 2.111 χ^2/NDF : 19.3/18

Left In: 95.705 ± 120.753 χ^2/NDF : 7.9/11

Left: -125.989 ± 85.636 χ^2/NDF : 34.9/25

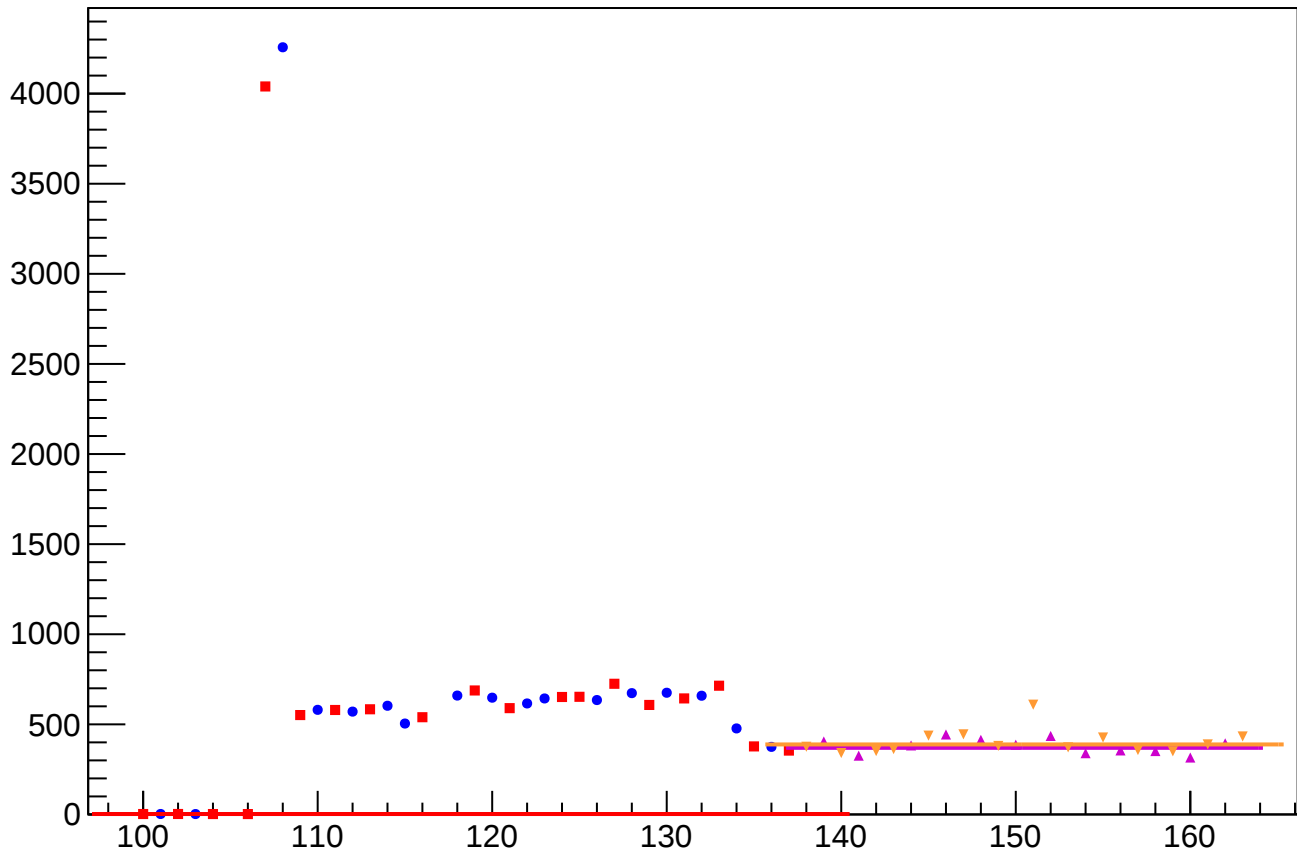
Right: -0.329 ± 1.540 χ^2/NDF : 36.8/35

In: -1.496 ± 2.251 χ^2/NDF : 25.5/28

Out: 0.621 ± 2.111 χ^2/NDF : 47.8/32

All: -0.370 ± 1.540 χ^2/NDF : 73.8/61

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 388.554+/-0.086 χ^2/NDF : 360069.0/13

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

Left In: 369.735+/-0.085 χ^2/NDF : 211293.3/11

Left: 379.089+/-0.061 χ^2/NDF : 595507.4/25

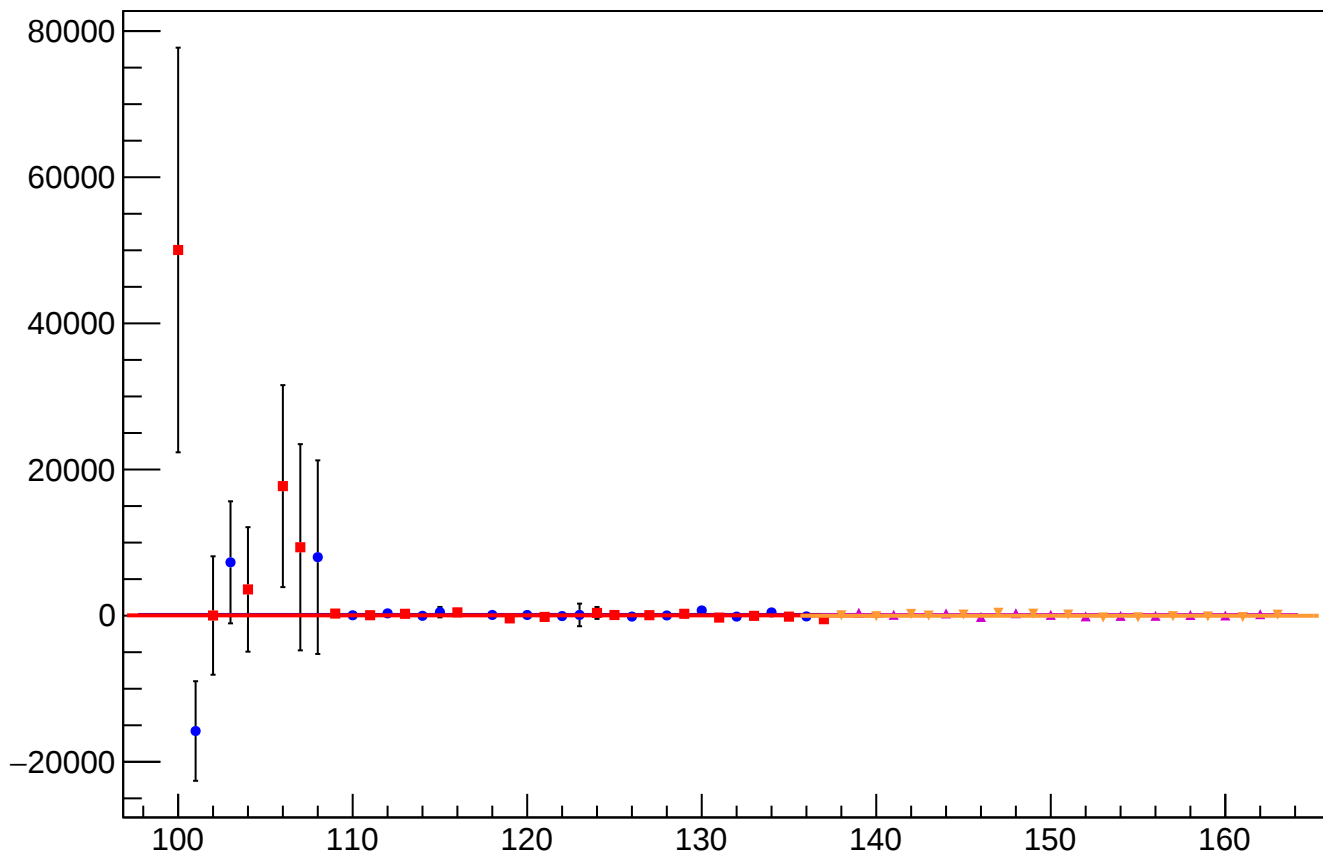
Right: 2.446+/-0.001 χ^2/NDF : 21995279.7/35

In: 2.584+/-0.002 χ^2/NDF : 29555062.7/28

Out: 2.553+/-0.001 χ^2/NDF : 31711021.3/32

All: 2.568+/-0.001 χ^2/NDF : 61266285.2/61

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -12.469+/-77.319 χ^2/NDF : 5.5/13

Right Out: 42.302+/-84.496 χ^2/NDF : 13.9/18

Left In: 82.873+/-66.600 χ^2/NDF : 4.8/11

Left: 42.264+/-50.461 χ^2/NDF : 11.2/25

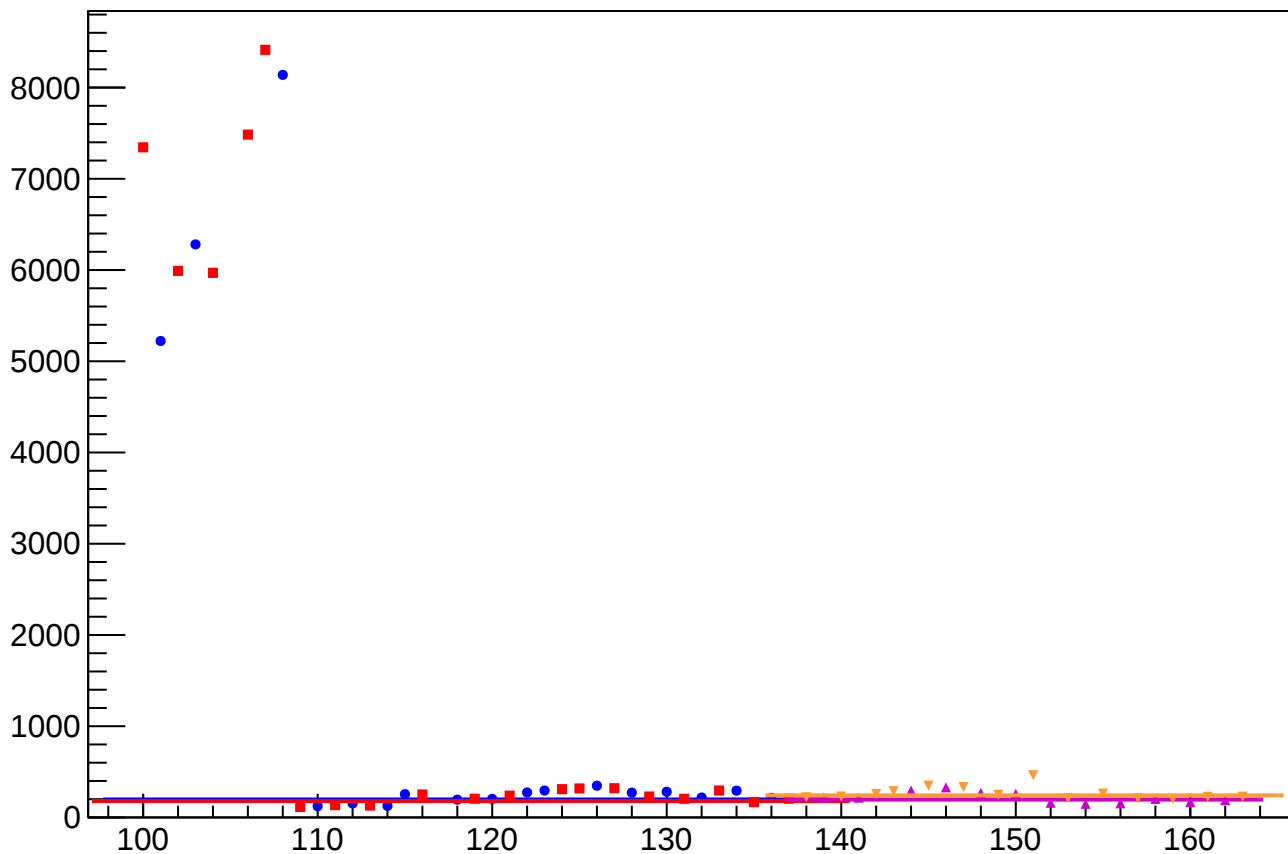
Right: 68.431+/-61.875 χ^2/NDF : 26.0/35

In: 88.385+/-53.715 χ^2/NDF : 16.7/28

Out: 12.492+/-57.041 χ^2/NDF : 19.6/32

All: 52.716+/-39.105 χ^2/NDF : 37.2/61

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 242.345+/-0.055 χ^2/NDF : 824301.2/13

Right Out: 179.949+/-0.060 χ^2/NDF : 4321173.8/18

Left In: 195.880+/-0.047 χ^2/NDF : 1051439.2/11

Left: 215.671+/-0.036 χ^2/NDF : 2290386.4/25

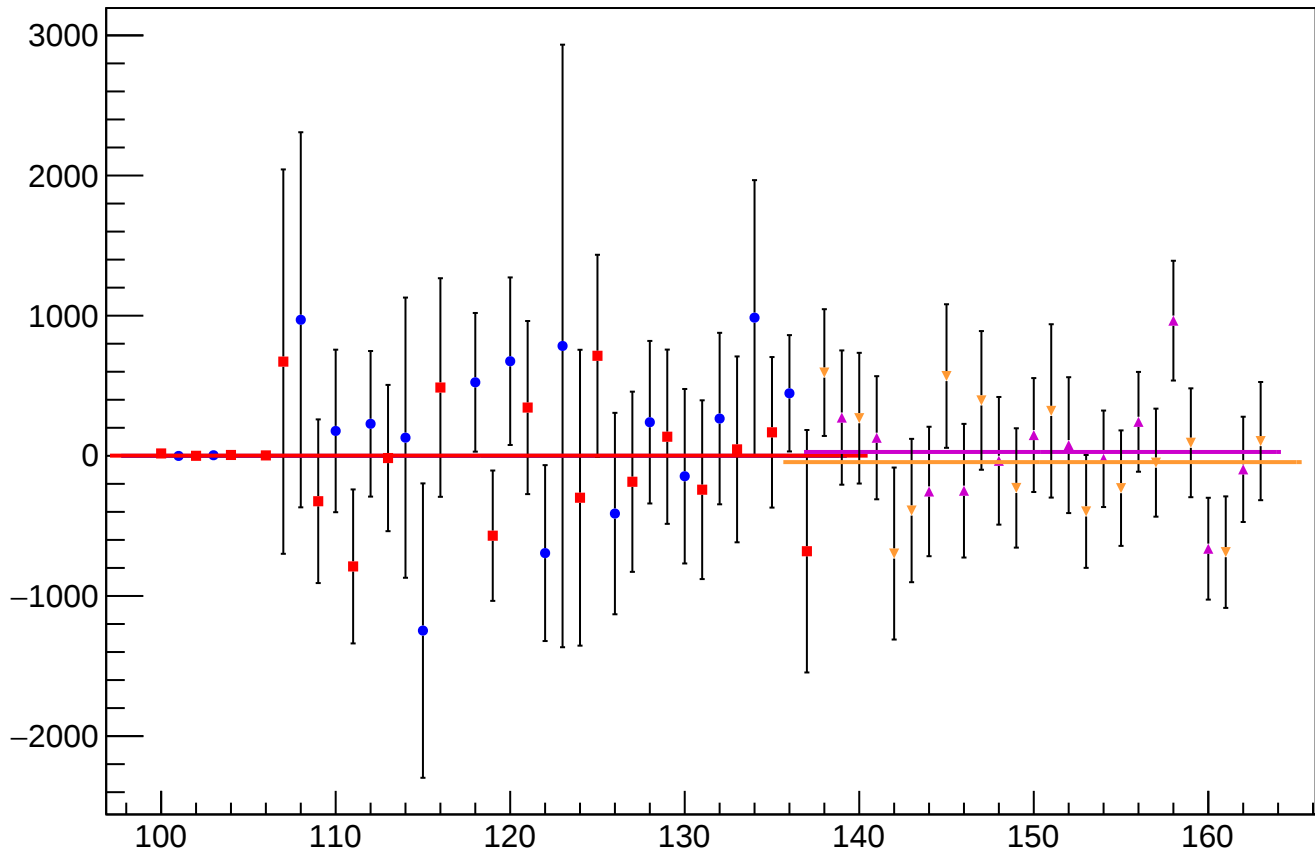
Right: 187.896+/-0.044 χ^2/NDF : 8052936.0/35

In: 196.301+/-0.038 χ^2/NDF : 4745282.3/28

Out: 213.909+/-0.040 χ^2/NDF : 5739056.3/32

All: 204.577+/-0.028 χ^2/NDF : 10585344.1/63

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -44.923 ± 120.079 χ^2/NDF : 10.6/13

Right Out: 1.323 ± 1.623 χ^2/NDF : 9.6/18

Left In: 27.514 ± 119.333 χ^2/NDF : 10.1/11

Left: -8.479 ± 84.644 χ^2/NDF : 20.9/25

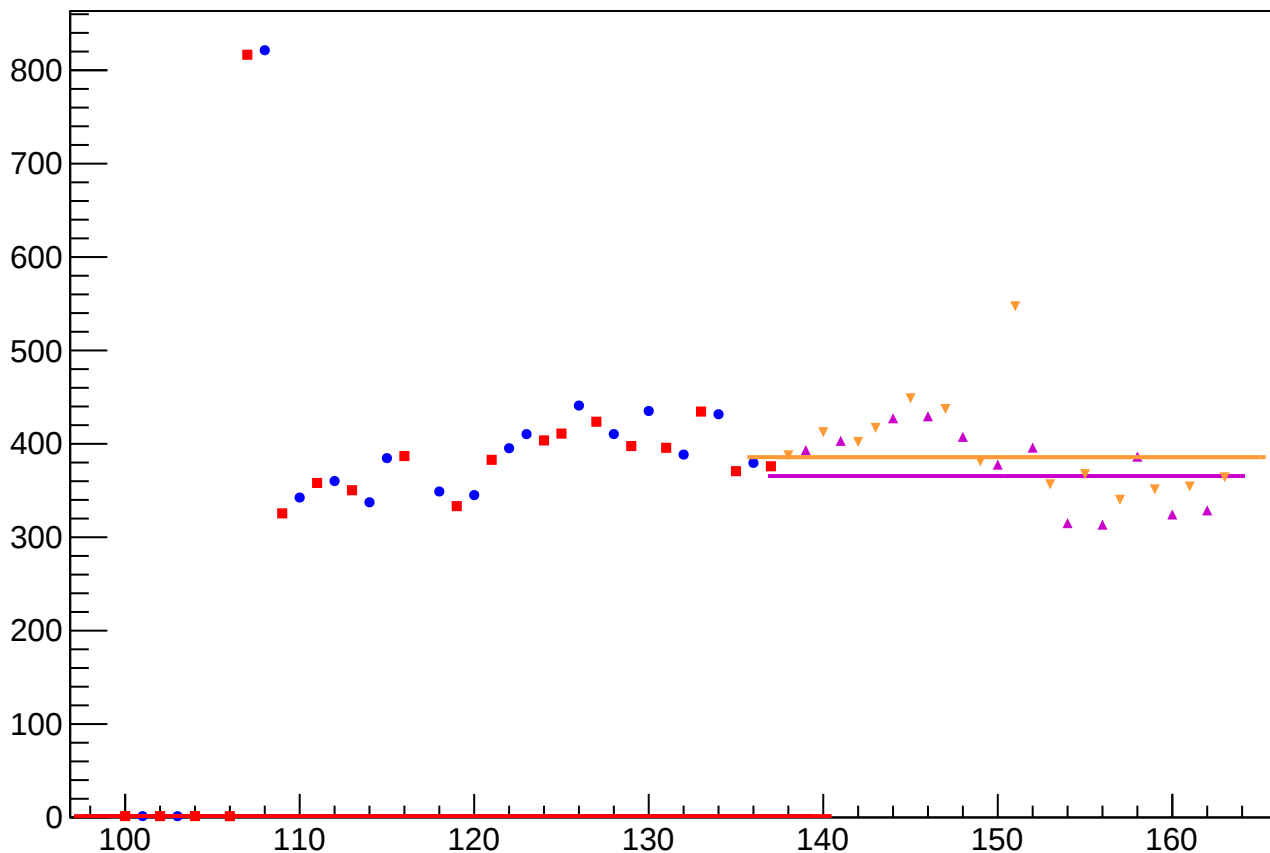
Right: 0.642 ± 1.186 χ^2/NDF : 19.7/35

In: -0.132 ± 1.736 χ^2/NDF : 19.8/28

Out: 1.315 ± 1.622 χ^2/NDF : 20.4/32

All: 0.640 ± 1.185 χ^2/NDF : 40.6/61

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.453 ± 0.001 χ^2/NDF : 10957986.8/16

Left Out: 385.750 ± 0.085 χ^2/NDF : 279945.5/13

Right Out: 1.451 ± 0.001 χ^2/NDF : 10880737.7/18

Left In: 365.537 ± 0.084 χ^2/NDF : 255192.7/11

Left: 375.581 ± 0.060 χ^2/NDF : 563649.0/25

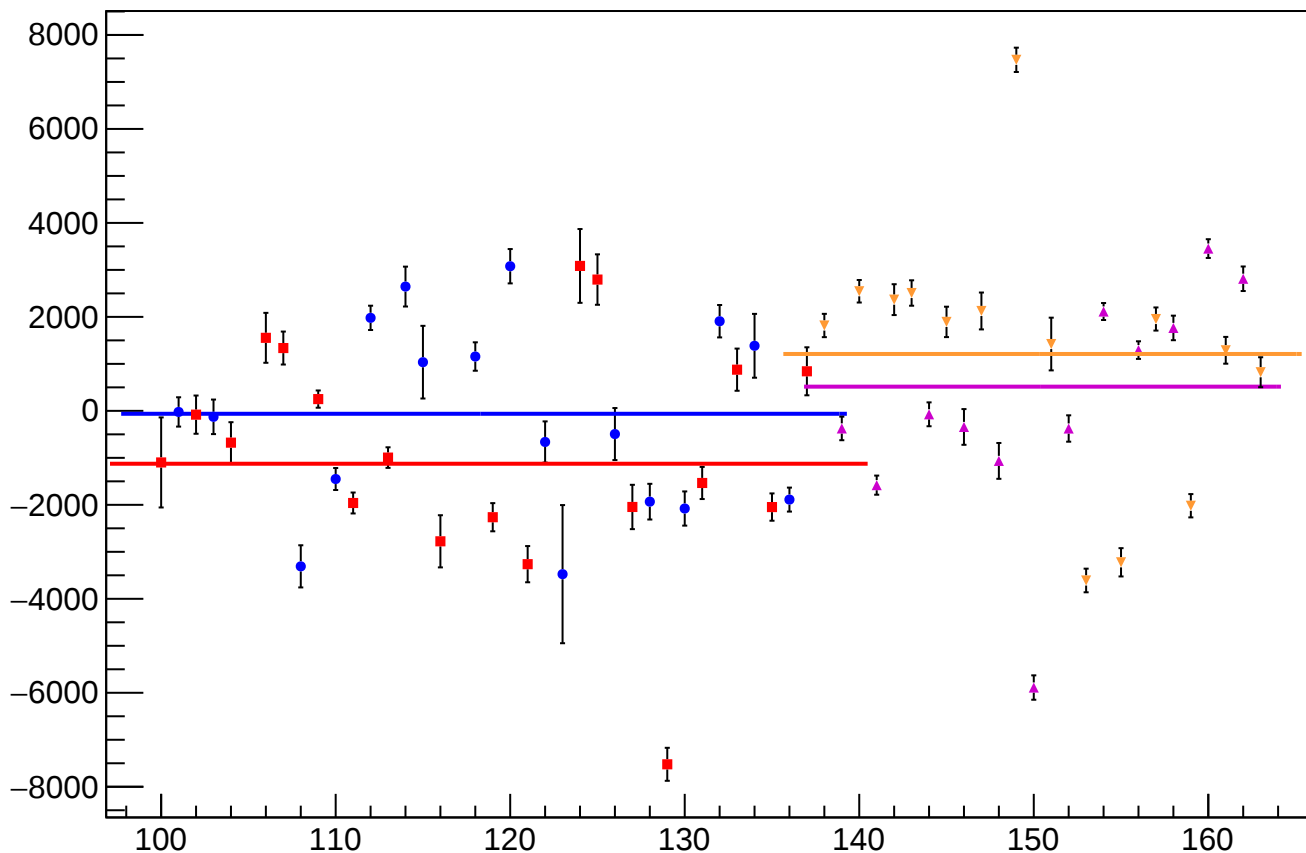
Right: 1.452 ± 0.001 χ^2/NDF : 21838725.6/35

In: 1.530 ± 0.001 χ^2/NDF : 29826398.9/28

Out: 1.521 ± 0.001 χ^2/NDF : 31641844.5/32

All: 1.525 ± 0.001 χ^2/NDF : 61468270.2/61

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164±/-87.424 χ^2/NDF : 433.9/16

Left Out: 1210.663±/-76.131 χ^2/NDF :1432.3/13

Right Out: -1125.437±/-78.370 χ^2/NDF : 671.2/18

Left In: 515.241±/-68.936 χ^2/NDF :1178.3/11

Left: 828.546±/-51.100 χ^2/NDF : 2656.5/25

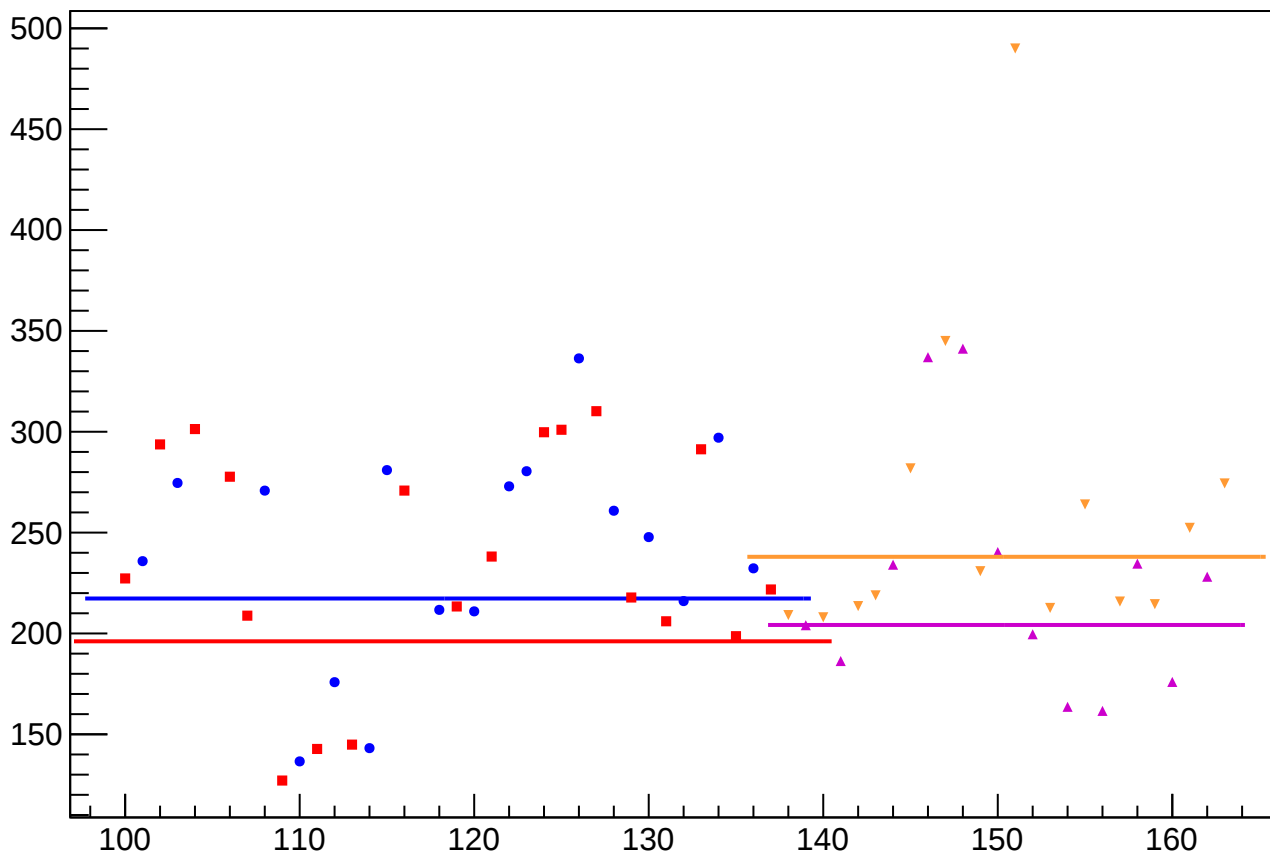
Right: -651.694±/-58.355 χ^2/NDF : 1187.1/35

In: 293.868±/-54.132 χ^2/NDF :1639.1/28

Out: 76.453±/-54.607 χ^2/NDF :2560.7/32

All: 186.111±/-38.444 χ^2/NDF : 4207.8/61

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.330+/-0.062 χ^2/NDF : 652722.5/16

Left Out: 238.003+/-0.054 χ^2/NDF : 770580.1/13

Right Out: 196.105+/-0.055 χ^2/NDF : 1190733.6/18

Left In: 204.209+/-0.049 χ^2/NDF : 872385.6/11

Left: 219.434+/-0.036 χ^2/NDF : 1859513.1/25

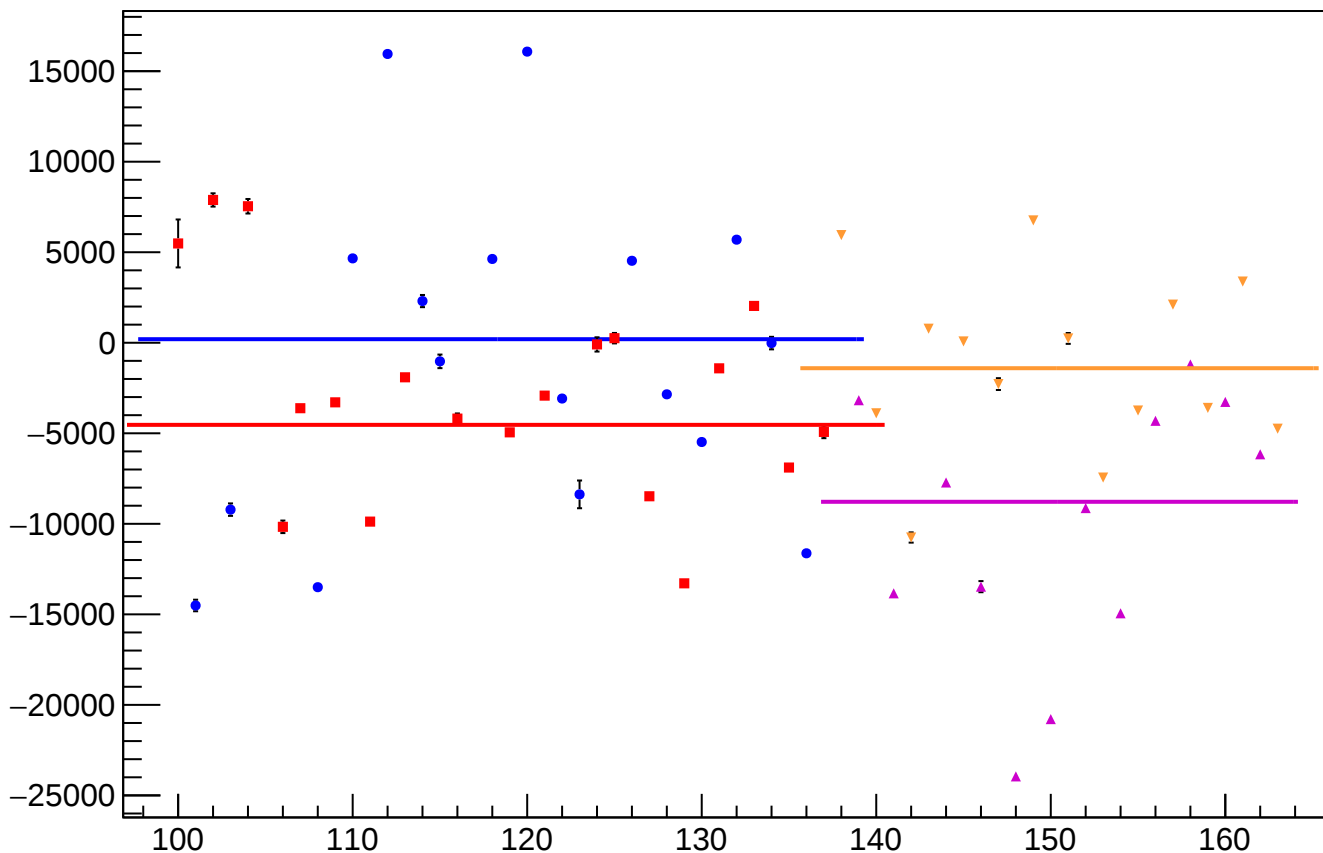
Right: 205.562+/-0.041 χ^2/NDF : 1908816.5/35

In: 209.239+/-0.038 χ^2/NDF : 1552887.9/28

Out: 217.661+/-0.039 χ^2/NDF : 2255416.1/32

All: 213.413+/-0.027 χ^2/NDF : 3832298.6/61

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -1405.497 ± 53.485 $\chi^2/\text{NDF}: 7572.5/13$

Right Out: -4534.200 ± 52.462 $\chi^2/\text{NDF}: 7477.2/18$

Left In: -8783.759 ± 56.371 $\chi^2/\text{NDF}: 14007.7/11$

Left: -4900.924 ± 38.800 $\chi^2/\text{NDF}: 30595.7/25$

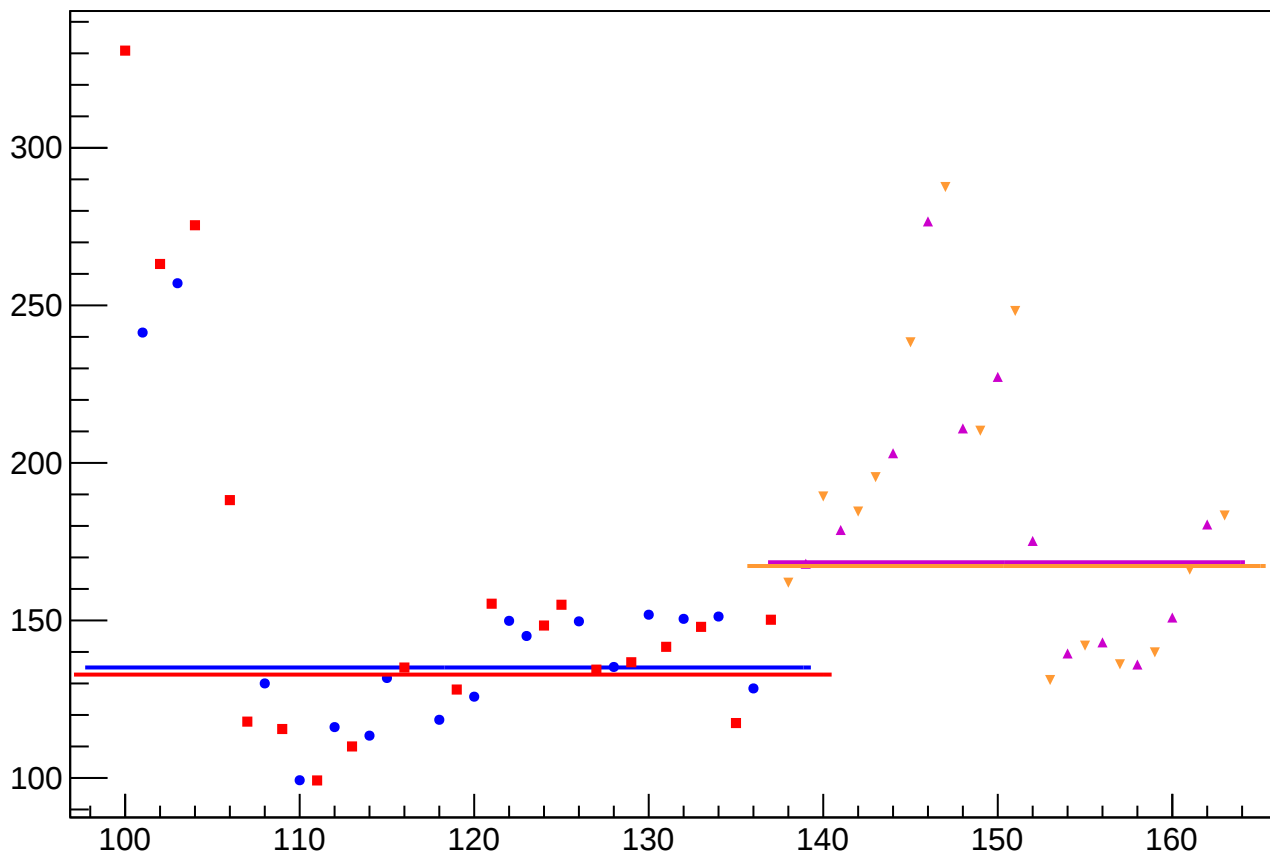
Right: -2271.626 ± 37.895 $\chi^2/\text{NDF}: 42025.0/35$

In: -4166.349 ± 39.293 $\chi^2/\text{NDF}: 57715.6/28$

Out: -3000.071 ± 37.453 $\chi^2/\text{NDF}: 16793.8/32$

All: -3555.263 ± 27.110 $\chi^2/\text{NDF}: 74971.0/61$

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 167.280 $\pm$ 0.038 χ^2 /NDF:1000747.6/13

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

Left In: 168.469 $\pm$ 0.040 χ^2 /NDF:720135.1/11

Left: 167.843 $\pm$ 0.027 χ^2 /NDF: 1721350.7/25

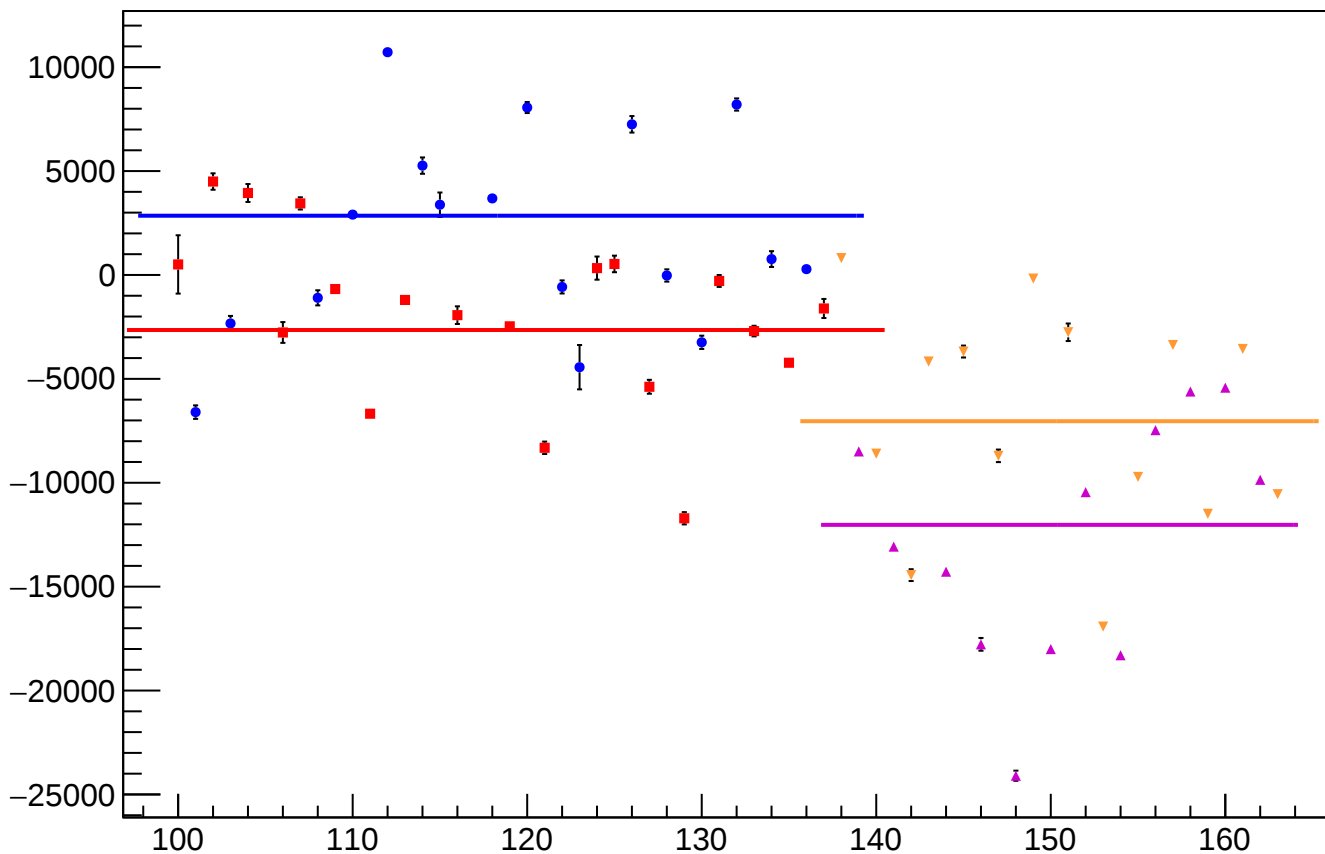
Right: 133.895 $\pm$ 0.027 χ^2 /NDF: 1491663.0/35

In: 151.298 $\pm$ 0.028 χ^2 /NDF:1739759.0/28

Out: 149.715 $\pm$ 0.026 χ^2 /NDF:2255160.0/32

All: 150.469 $\pm$ 0.019 χ^2 /NDF: 3996619.3/61

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -7038.282+/-61.599 χ^2/NDF : 7653.4/13

Right Out: -2649.142+/-65.731 χ^2/NDF : 3175.7/18

Left In: -12026.439+/-56.755 χ^2/NDF : 9355.8/11

Left: -9736.157+/-41.740 χ^2/NDF : 20555.8/25

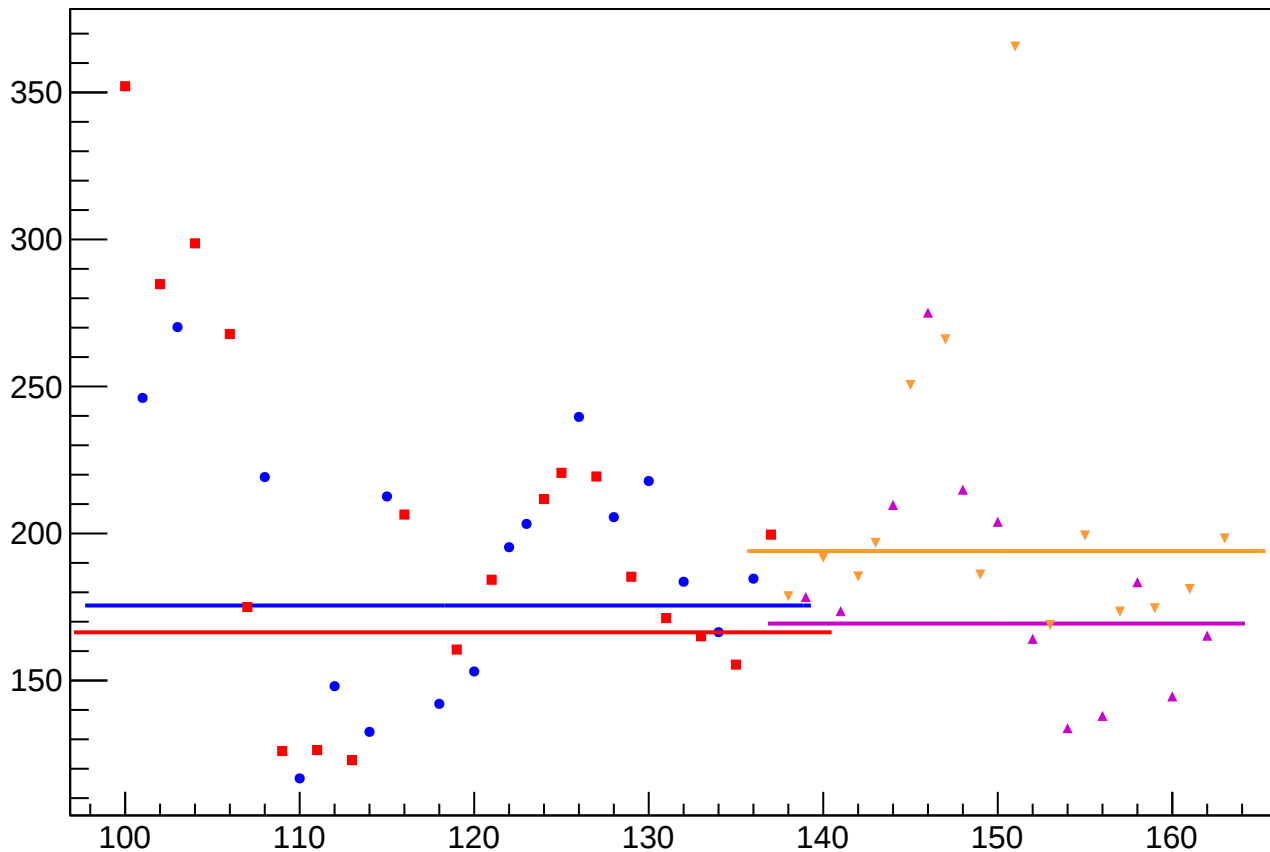
Right: -100.998+/-48.156 χ^2/NDF : 10597.9/35

In: -6201.355+/-44.272 χ^2/NDF : 40438.7/28

Out: -4985.990+/-44.947 χ^2/NDF : 13203.1/32

All: -5602.866+/-31.541 χ^2/NDF : 54012.9/61

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 194.027+/-0.044 χ^2/NDF : 620297.7/13

Right Out: 166.393+/-0.046 χ^2/NDF : 929534.5/18

Left In: 169.375+/-0.040 χ^2/NDF : 675357.8/11

Left: 180.694+/-0.030 χ^2/NDF : 1468904.3/25

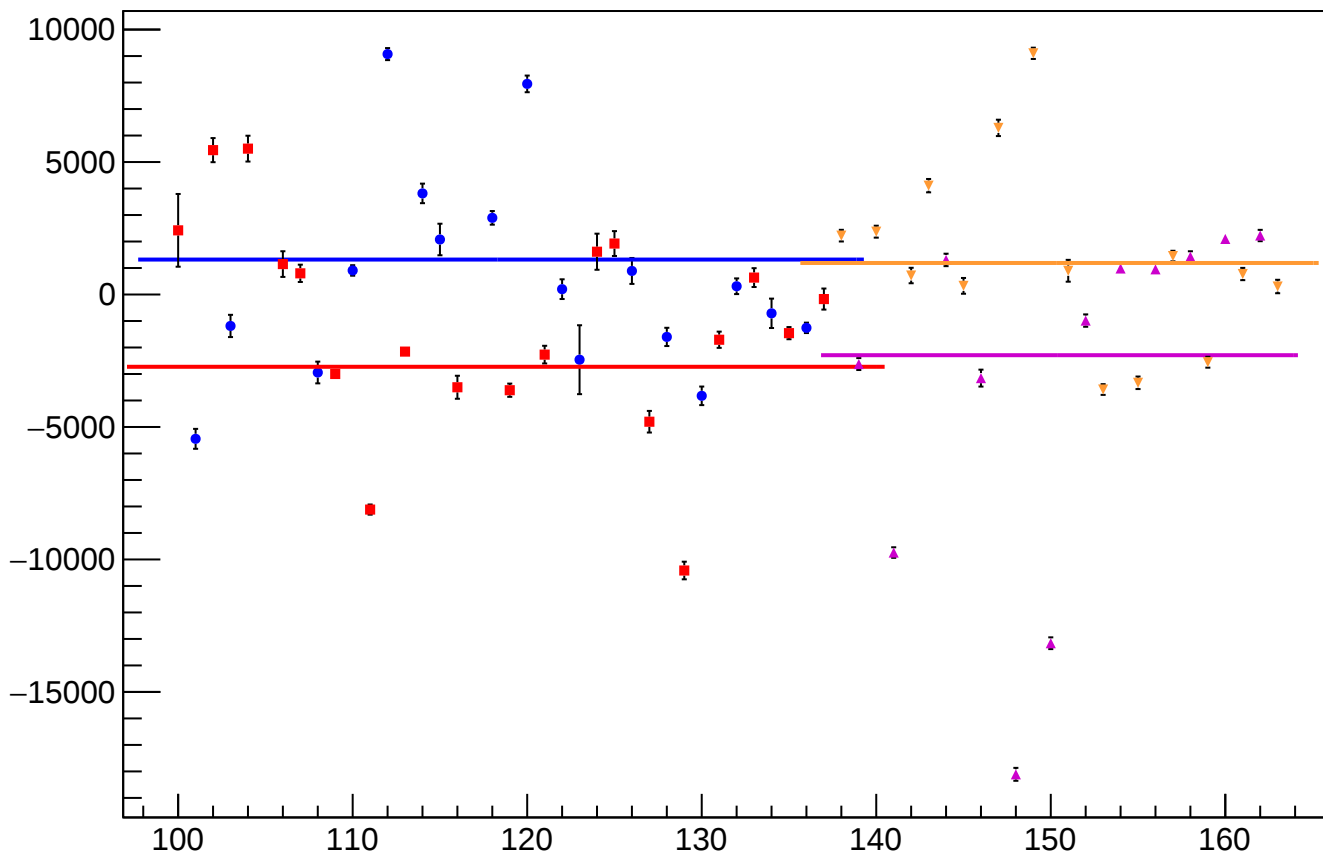
Right: 170.618+/-0.034 χ^2/NDF : 1637018.2/35

In: 171.779+/-0.031 χ^2/NDF : 1374161.7/28

Out: 181.106+/-0.032 χ^2/NDF : 1738042.6/32

All: 176.372+/-0.022 χ^2/NDF : 3155917.3/61

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1190.162+/-64.203 χ^2/NDF : 3116.6/13

Right Out: -2727.798+/-70.029 χ^2/NDF : 2495.9/18

Left In: -2290.621+/-58.822 χ^2/NDF : 10568.5/11

Left: -702.207+/-43.371 χ^2/NDF : 15283.1/25

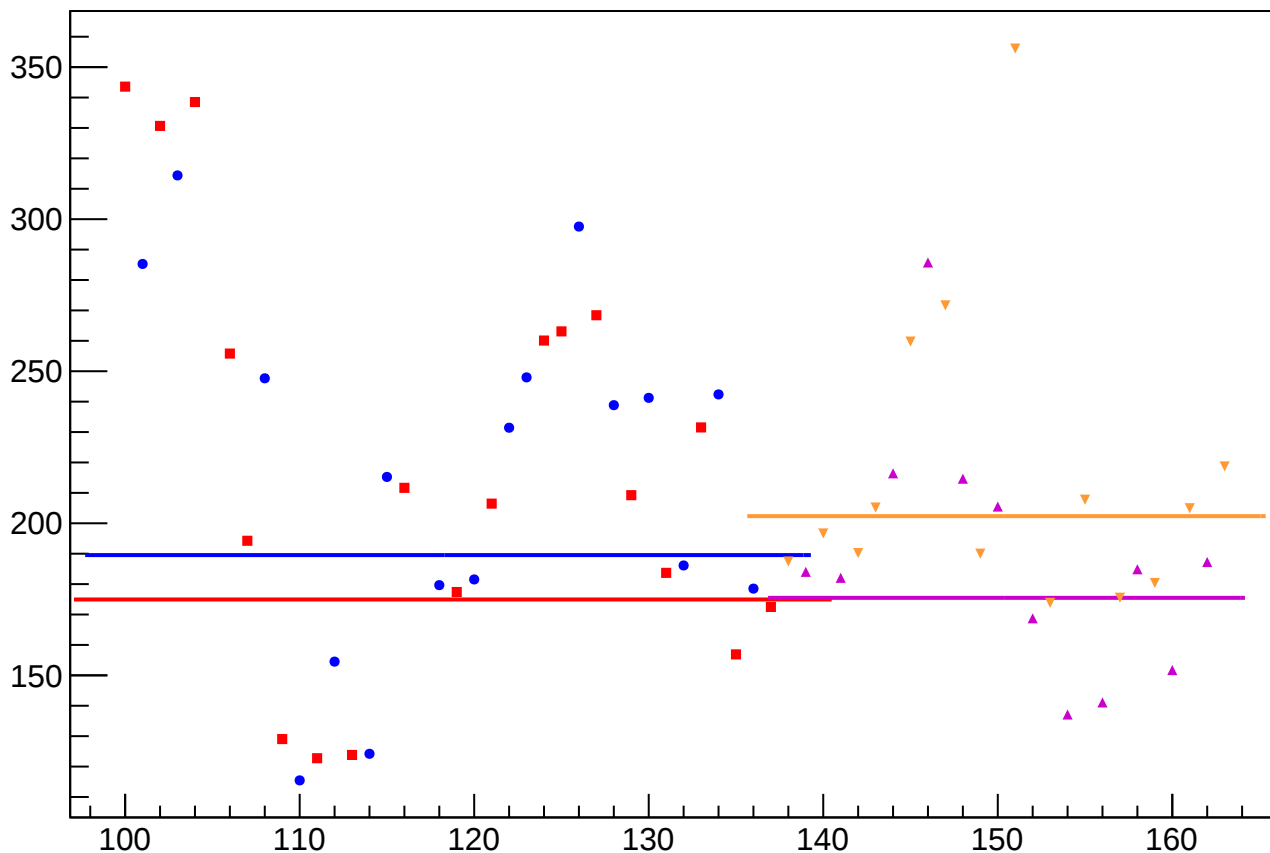
Right: -899.614+/-51.852 χ^2/NDF : 6671.5/35

In: -963.593+/-46.776 χ^2/NDF : 14619.9/28

Out: -599.091+/-47.324 χ^2/NDF : 7313.2/32

All: -783.468+/-33.268 χ^2/NDF : 21963.2/61

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 202.346+/-0.045 χ^2/NDF : 582333.9/13

Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

Left In: 175.486+/-0.042 χ^2/NDF : 660090.4/11

Left: 187.743+/-0.031 χ^2/NDF : 1432738.0/25

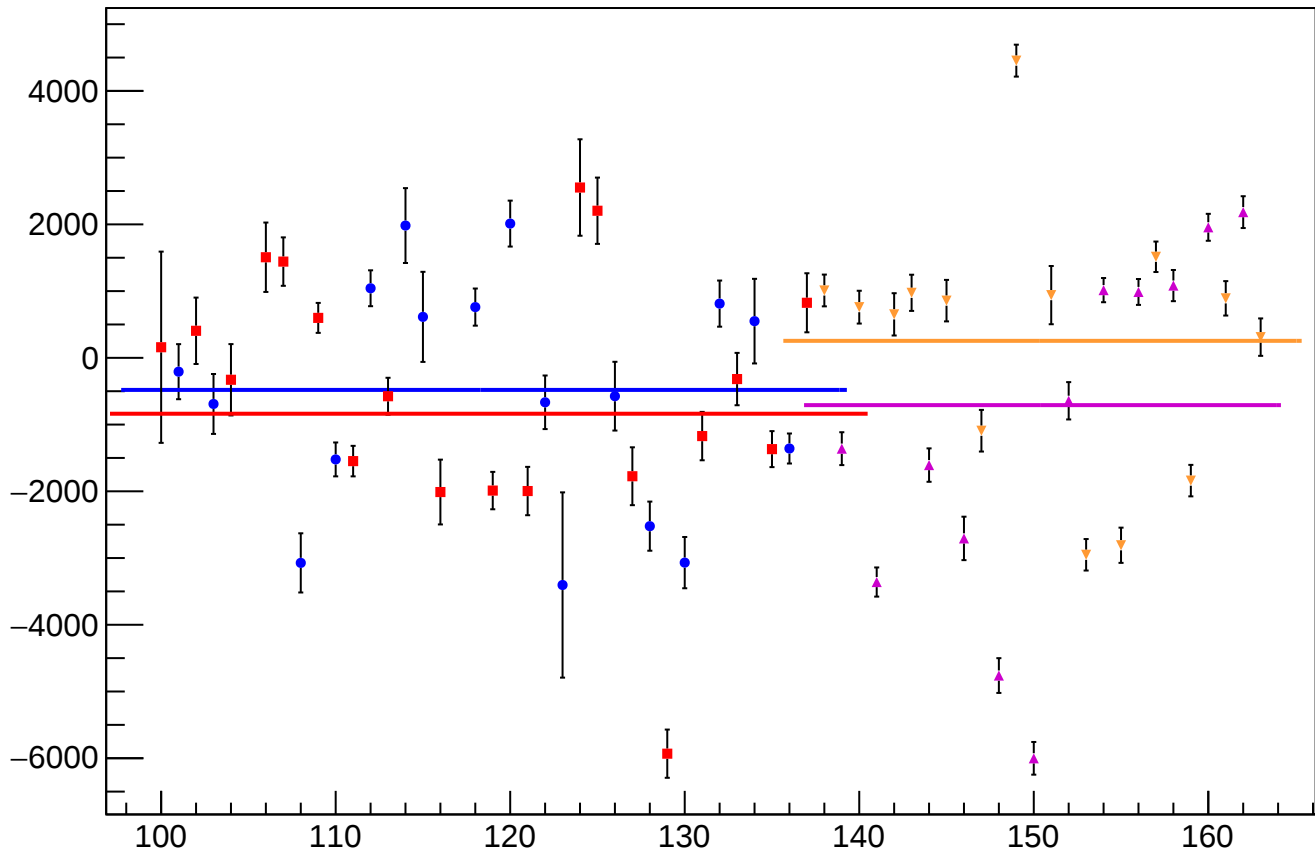
Right: 181.540+/-0.037 χ^2/NDF : 2317127.7/35

In: 180.654+/-0.033 χ^2/NDF : 1682838.0/28

Out: 189.832+/-0.033 χ^2/NDF : 2045820.3/32

All: 185.189+/-0.024 χ^2/NDF : 3766707.2/61

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578±/88.640 χ^2/NDF : 290.7/16

Left Out: 254.797±/71.009 χ^2/NDF :790.4/13

Right Out: -837.442±/82.243 χ^2/NDF : 435.3/18

Left In: -708.645±/66.748 χ^2/NDF :1460.5/11

Left: -256.697±/48.635 χ^2/NDF : 2348.6/25

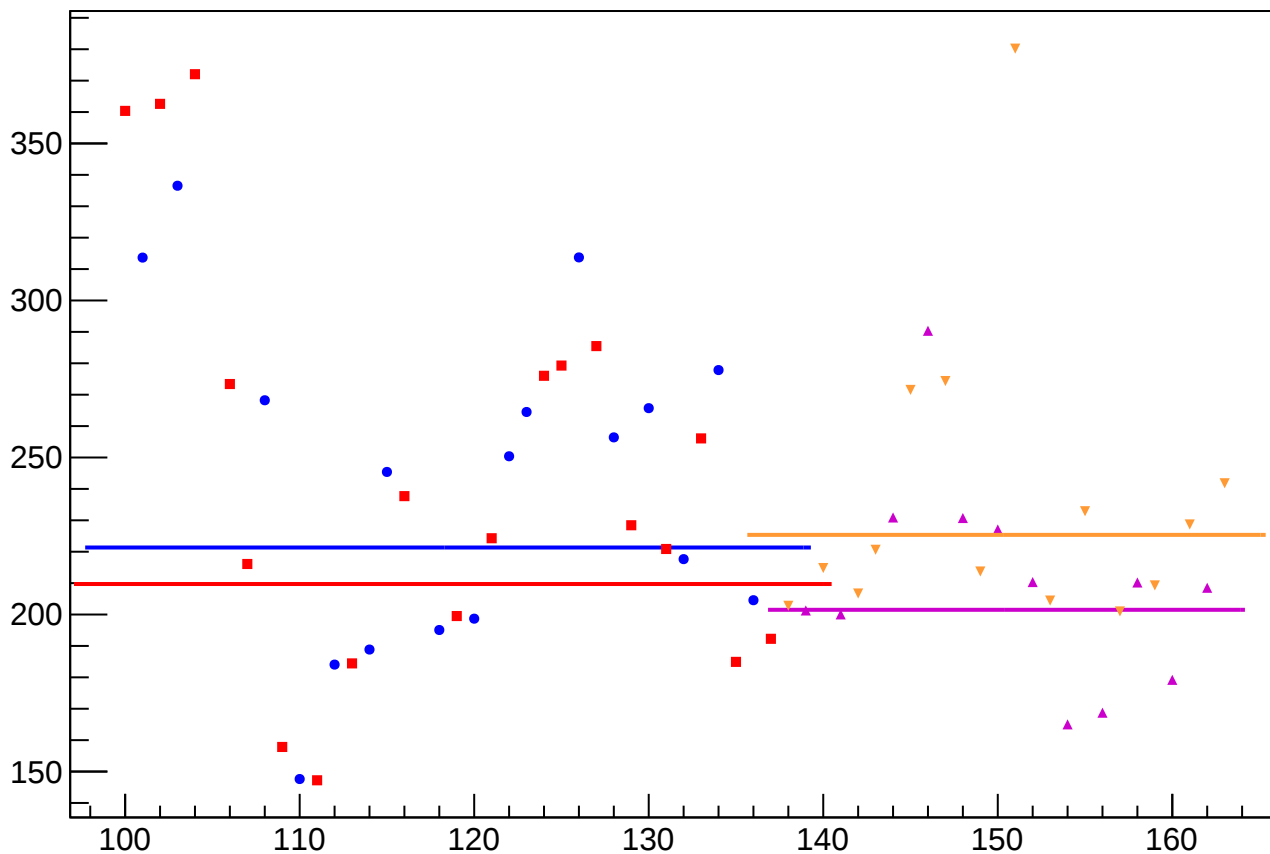
Right: -672.351±/60.290 χ^2/NDF : 734.7/35

In: -626.118±/53.321 χ^2/NDF :1755.5/28

Out: -211.686±/53.748 χ^2/NDF :1326.7/32

All: -420.553±/37.854 χ^2/NDF : 3112.2/61

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 225.364 $\pm$ 0.050 χ^2 /NDF: 435866.7/13

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

Left In: 201.505 $\pm$ 0.047 χ^2 /NDF: 392594.3/11

Left: 212.697 $\pm$ 0.034 χ^2 /NDF: 948339.2/25

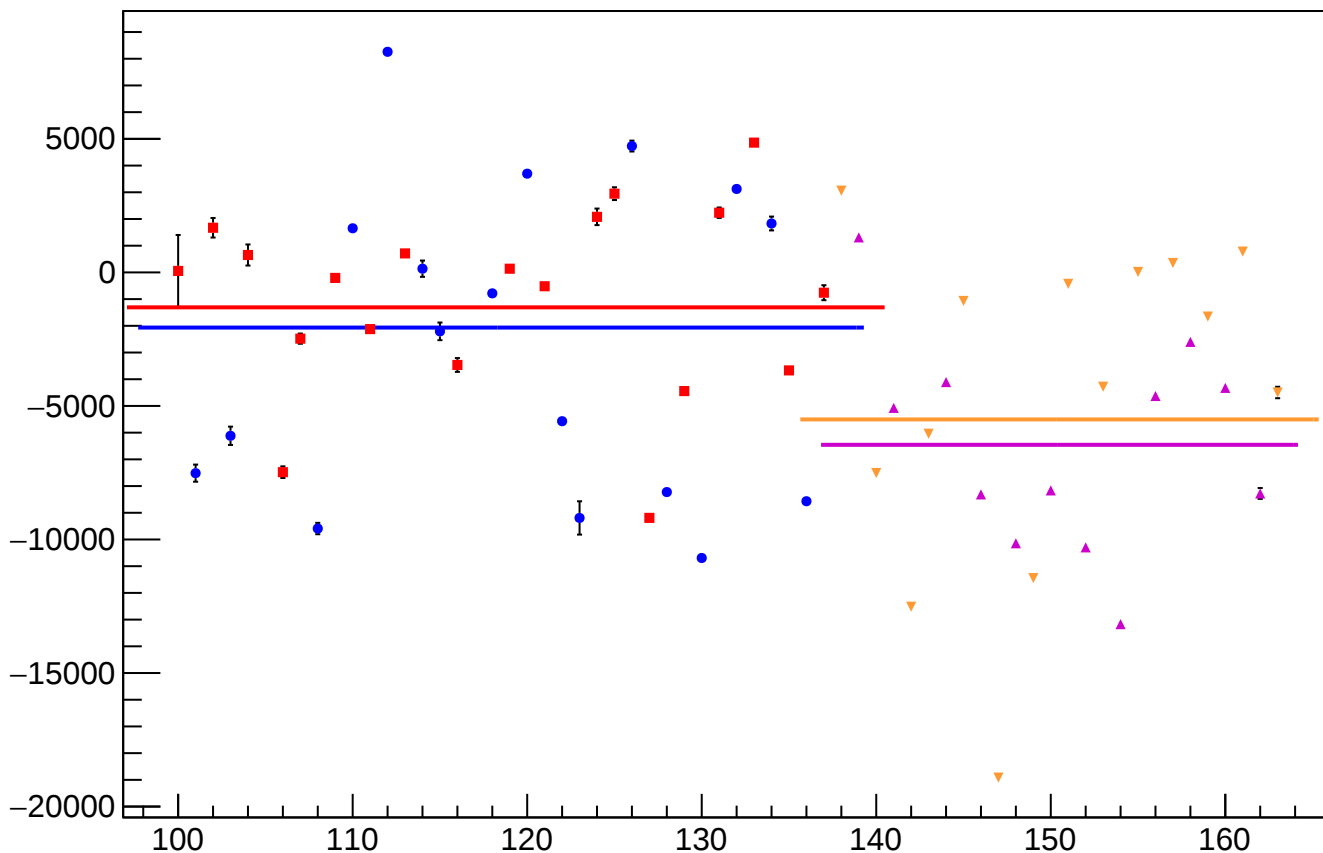
Right: 215.095 $\pm$ 0.043 χ^2 /NDF: 1548093.3/35

In: 208.683 $\pm$ 0.038 χ^2 /NDF: 1102204.3/28

Out: 218.681 $\pm$ 0.038 χ^2 /NDF: 1361263.5/32

All: 213.642 $\pm$ 0.027 χ^2 /NDF: 2498348.4/61

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 $\pm$ 47.322 χ^2/NDF : 16533.3/16

Left Out: -5504.459 $\pm$ 38.476 χ^2/NDF : 28162.0/13

Right Out: -1308.512 $\pm$ 45.001 χ^2/NDF : 5894.4/18

Left In: -6455.789 $\pm$ 39.960 χ^2/NDF : 8747.7/11

Left: -5962.137 $\pm$ 27.717 χ^2/NDF : 37203.8/25

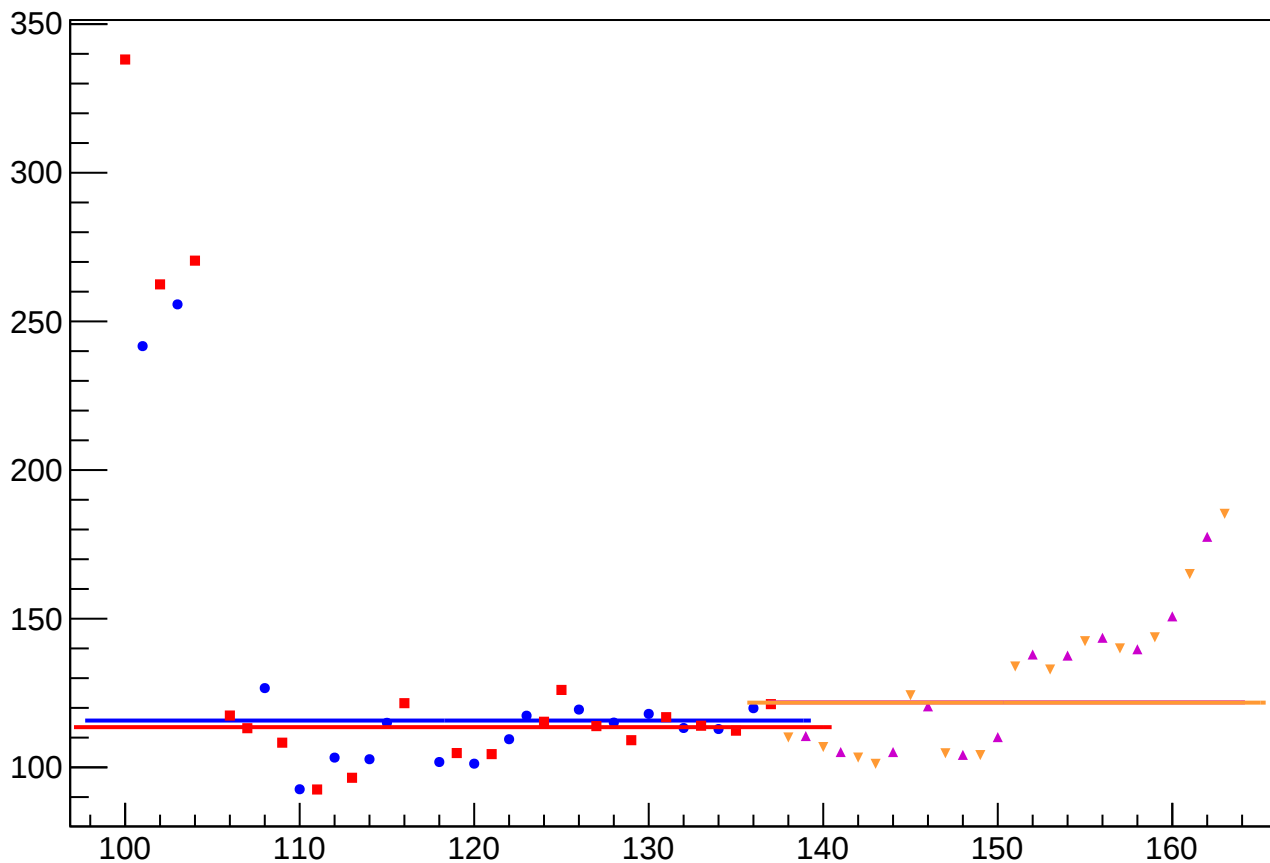
Right: -1667.825 $\pm$ 32.610 χ^2/NDF : 22561.9/35

In: -4628.206 $\pm$ 30.531 χ^2/NDF : 30306.2/28

Out: -3732.455 $\pm$ 29.244 χ^2/NDF : 39078.7/32

All: -4161.058 $\pm$ 21.119 χ^2/NDF : 69833.9/61

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 121.768 $\pm$ 0.027 χ^2 /NDF: 617493.4/13

Right Out: 113.519 $\pm$ 0.032 χ^2 /NDF: 796640.6/18

Left In: 121.851 $\pm$ 0.028 χ^2 /NDF: 476586.7/11

Left: 121.808 $\pm$ 0.020 χ^2 /NDF: 1094084.7/25

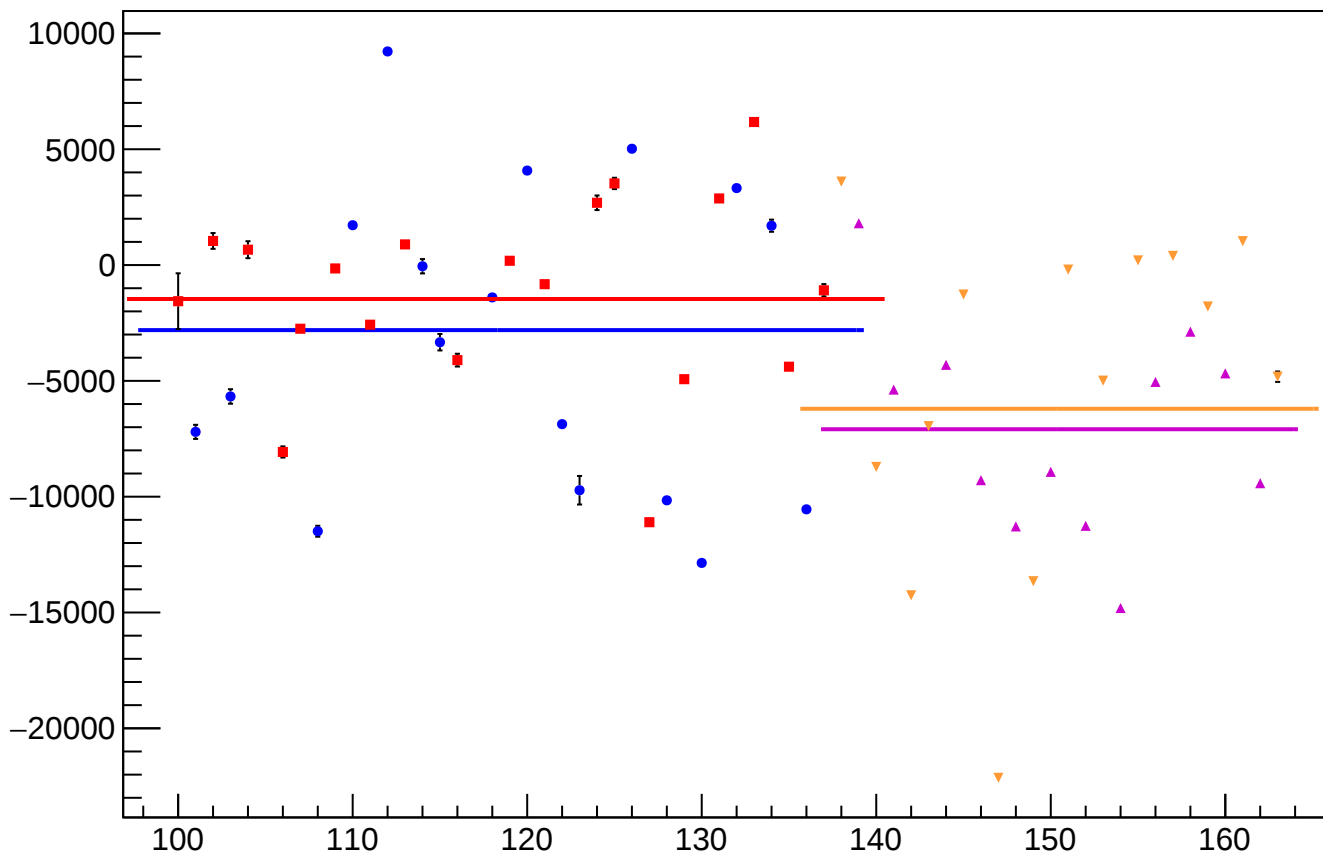
Right: 114.574 $\pm$ 0.023 χ^2 /NDF: 1542972.7/35

In: 119.308 $\pm$ 0.022 χ^2 /NDF: 1240073.3/28

Out: 118.284 $\pm$ 0.021 χ^2 /NDF: 1452955.0/32

All: 118.774 $\pm$ 0.015 χ^2 /NDF: 2694200.4/61

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2809.101+/-48.284 χ^2/NDF : 21263.1/16

Left Out: -6204.114+/-40.866 χ^2/NDF : 34002.7/13

Right Out: -1465.074+/-46.394 χ^2/NDF : 8004.7/18

Left In: -7088.515+/-42.438 χ^2/NDF : 10315.0/11

Left: -6629.636+/-29.437 χ^2/NDF : 44543.1/25

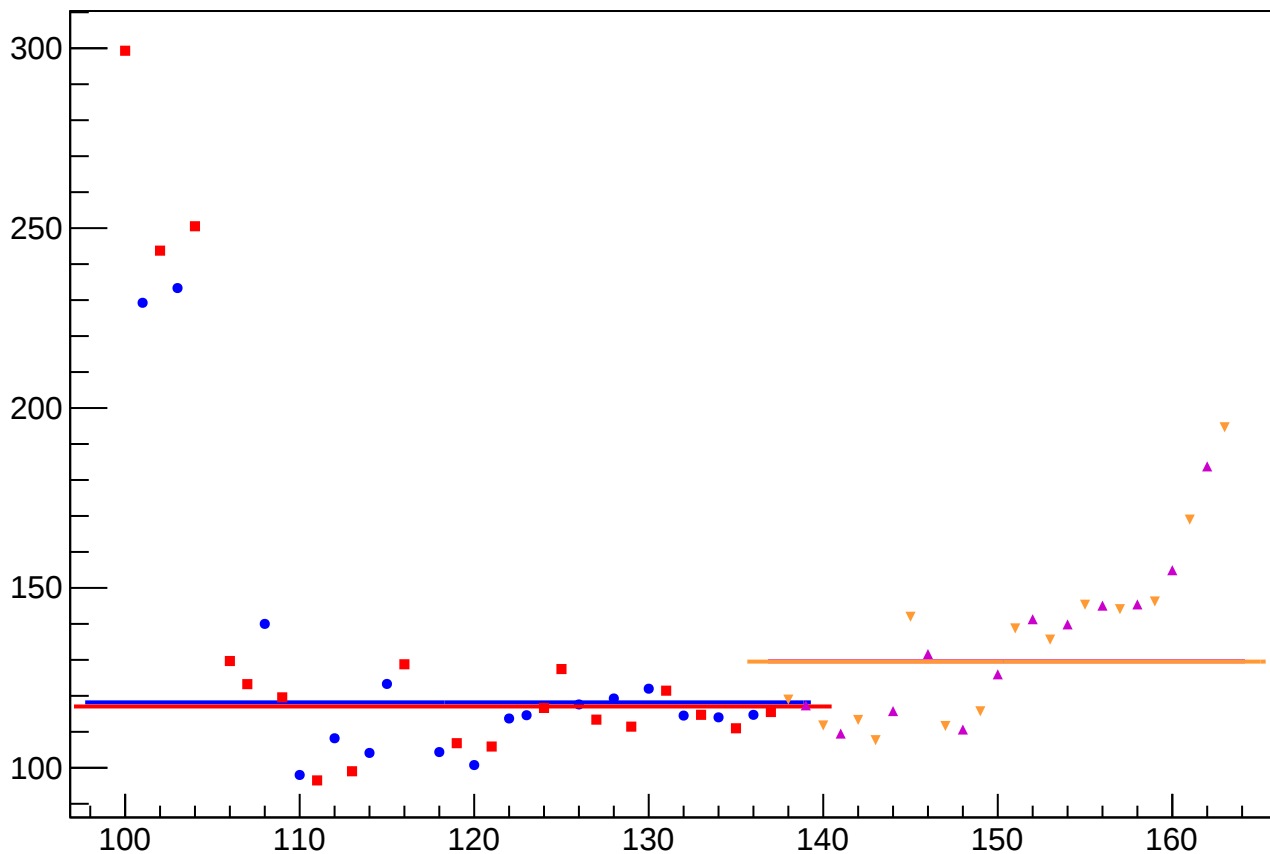
Right: -2110.267+/-33.454 χ^2/NDF : 29670.7/35

In: -5223.471+/-31.876 χ^2/NDF : 36009.9/28

Out: -4133.636+/-30.666 χ^2/NDF : 47882.8/32

All: -4657.480+/-22.099 χ^2/NDF : 84499.8/61

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 129.519 $\pm$ 0.029 χ^2 /NDF:510448.8/13

Right Out: 117.046 $\pm$ 0.033 χ^2 /NDF: 690635.5/18

Left In: 129.601 $\pm$ 0.030 χ^2 /NDF:372491.3/11

Left: 129.558 $\pm$ 0.021 χ^2 /NDF: 882943.9/25

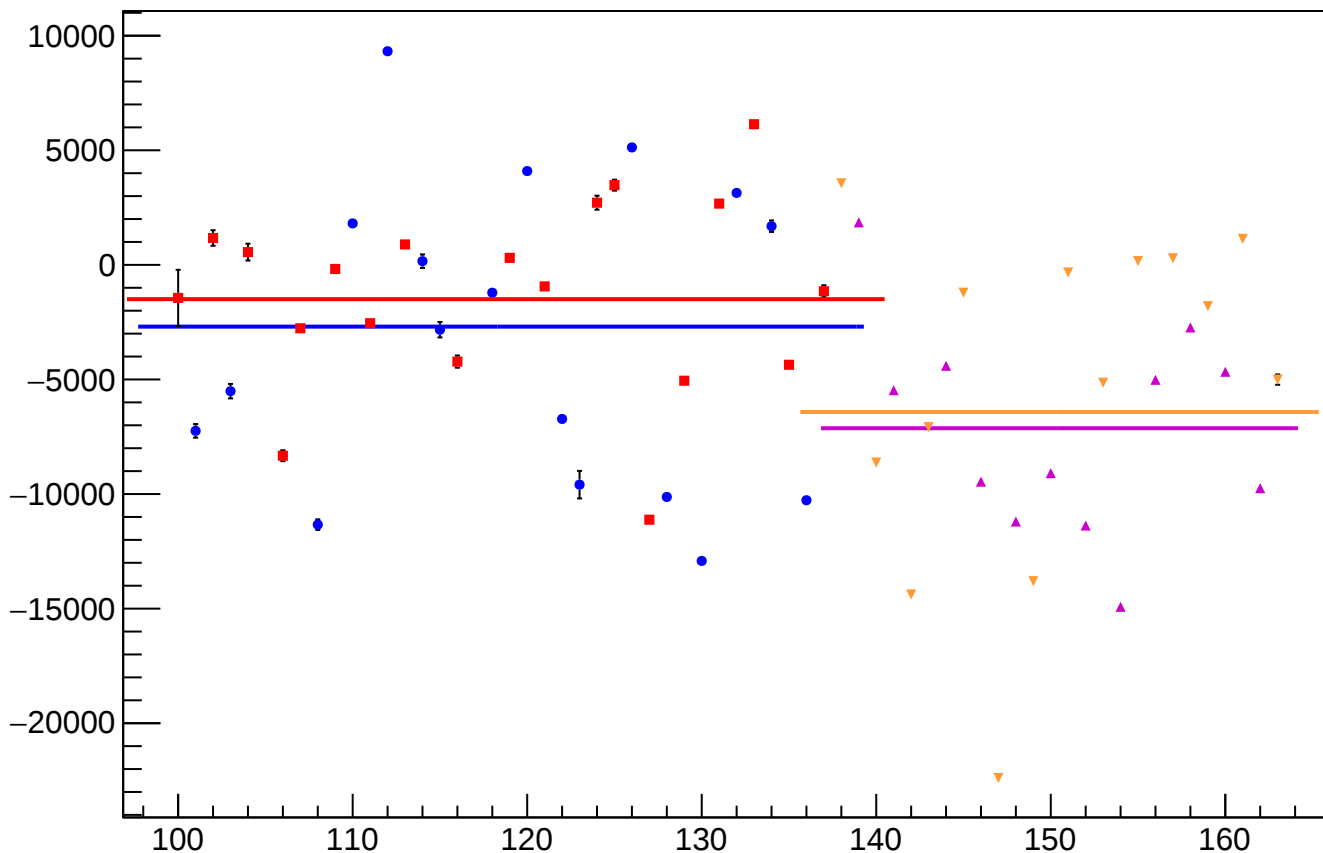
Right: 117.594 $\pm$ 0.024 χ^2 /NDF: 1327469.8/35

In: 124.627 $\pm$ 0.023 χ^2 /NDF:1071780.8/28

Out: 124.069 $\pm$ 0.022 χ^2 /NDF:1282493.2/32

All: 124.337 $\pm$ 0.016 χ^2 /NDF: 2354591.7/61

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2694.260+/-46.347 χ^2/NDF : 22860.3/16

Left Out: -6420.849+/-39.855 χ^2/NDF : 37165.7/13

Right Out: -1495.744+/-44.445 χ^2/NDF : 8717.2/18

Left In: -7128.610+/-41.295 χ^2/NDF : 11122.1/11

Left: -6762.172+/-28.678 χ^2/NDF : 48439.9/25

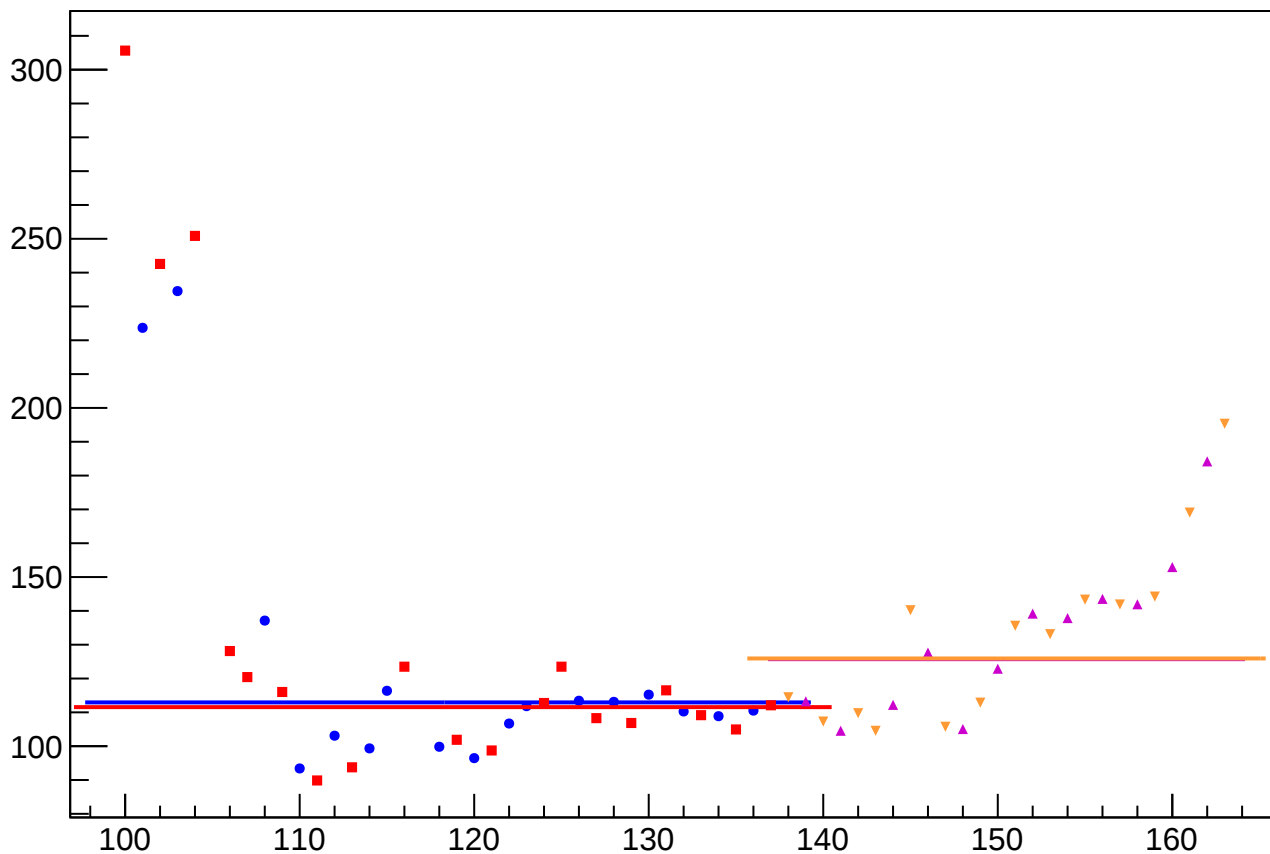
Right: -2069.900+/-32.079 χ^2/NDF : 31925.8/35

In: -5166.183+/-30.832 χ^2/NDF : 39085.4/28

Out: -4225.645+/-29.672 χ^2/NDF : 52689.3/32

All: -4677.888+/-21.380 χ^2/NDF : 92257.8/61

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 125.928 $\pm$ 0.028 χ^2 /NDF: 594088.0/13

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

Left In: 125.721 $\pm$ 0.029 χ^2 /NDF: 445148.5/11

Left: 125.828 $\pm$ 0.020 χ^2 /NDF: 1039262.4/25

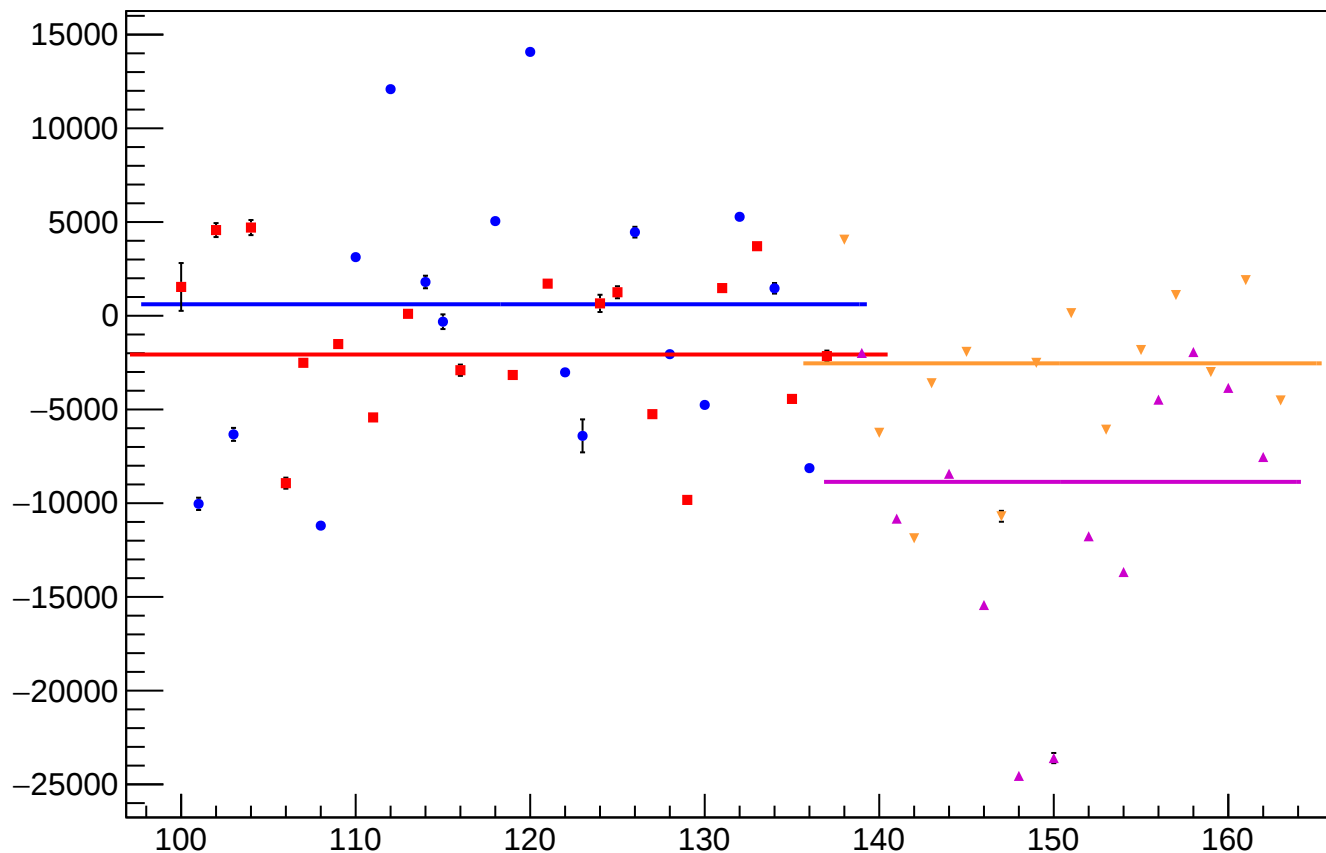
Right: 112.213 $\pm$ 0.023 χ^2 /NDF: 1446732.2/35

In: 120.065 $\pm$ 0.022 χ^2 /NDF: 1210215.0/28

Out: 119.517 $\pm$ 0.021 χ^2 /NDF: 1475713.9/32

All: 119.780 $\pm$ 0.015 χ^2 /NDF: 2686257.4/61

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -2538.869 ± 48.599 $\chi^2/\text{NDF}: 6736.2/13$

Right Out: -2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

Left In: -8861.955 ± 52.100 $\chi^2/\text{NDF}: 13903.7/11$

Left: -5480.833 ± 35.538 $\chi^2/\text{NDF}: 28516.1/25$

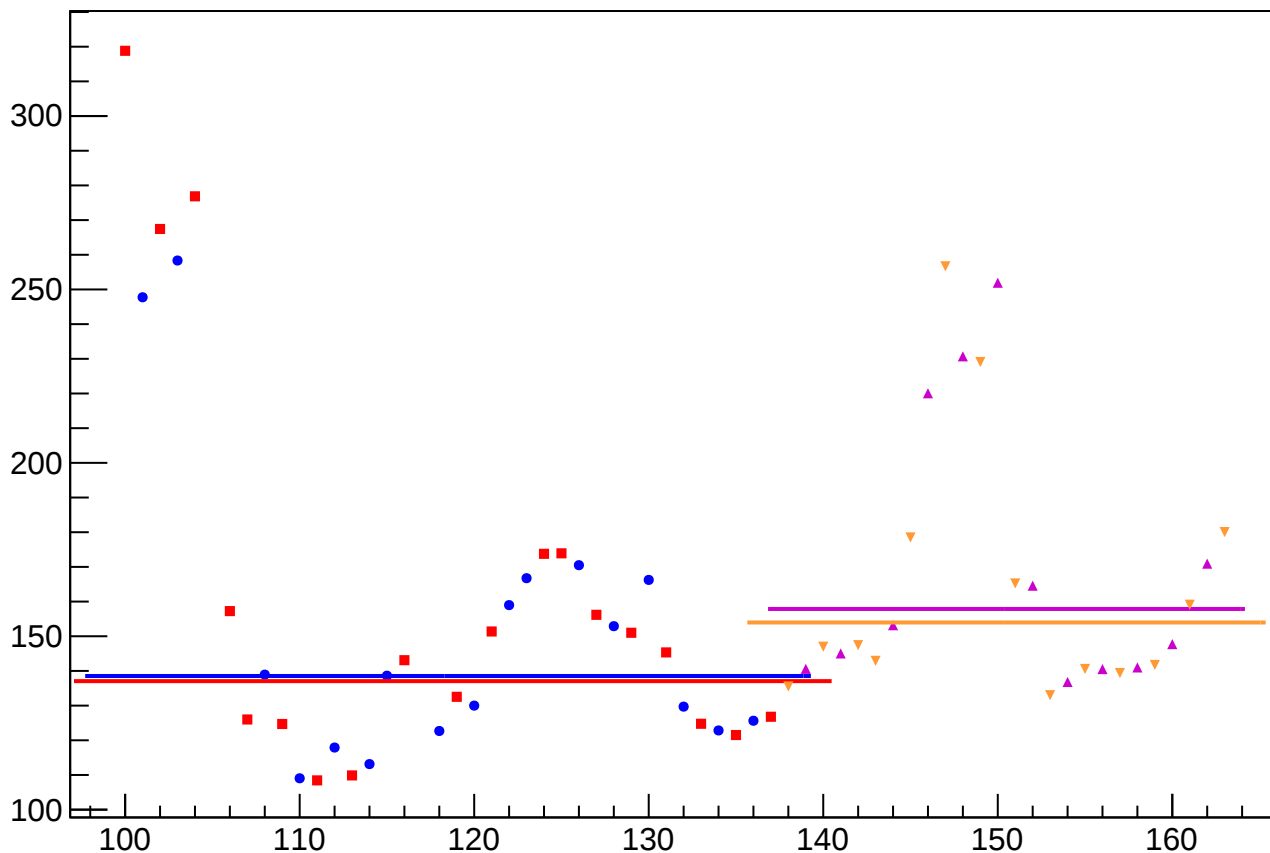
Right: -779.298 ± 38.866 $\chi^2/\text{NDF}: 24073.0/35$

In: -4471.246 ± 38.164 $\chi^2/\text{NDF}: 47472.8/28$

Out: -2327.592 ± 36.103 $\chi^2/\text{NDF}: 11421.1/32$

All: -3339.970 ± 26.227 $\chi^2/\text{NDF}: 60558.8/61$

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 153.971 $\pm$ 0.034 χ^2 /NDF: 611606.4/13

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

Left In: 157.870 $\pm$ 0.037 χ^2 /NDF: 663894.3/11

Left: 155.785 $\pm$ 0.025 χ^2 /NDF: 1281490.1/25

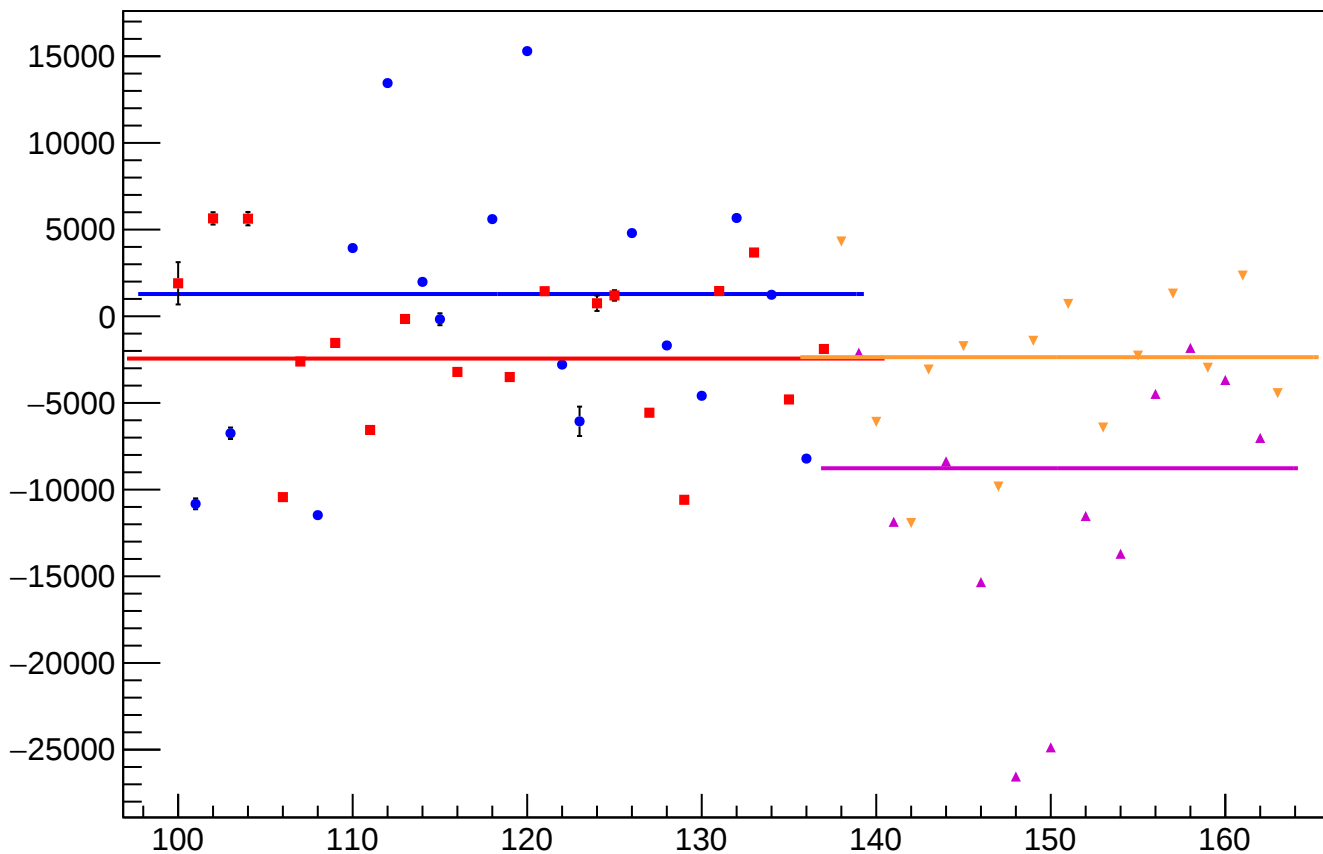
Right: 137.773 $\pm$ 0.027 χ^2 /NDF: 1425158.5/35

In: 148.913 $\pm$ 0.027 χ^2 /NDF: 1460393.6/28

Out: 146.393 $\pm$ 0.026 χ^2 /NDF: 1475610.8/32

All: 147.583 $\pm$ 0.019 χ^2 /NDF: 2940606.1/61

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2360.567+/-43.164 χ^2/NDF : 9045.4/13

Right Out: -2440.256+/-44.286 χ^2/NDF : 7677.5/18

Left In: -8767.365+/-46.345 χ^2/NDF : 18636.5/11

Left: -5336.580+/-31.586 χ^2/NDF : 37915.6/25

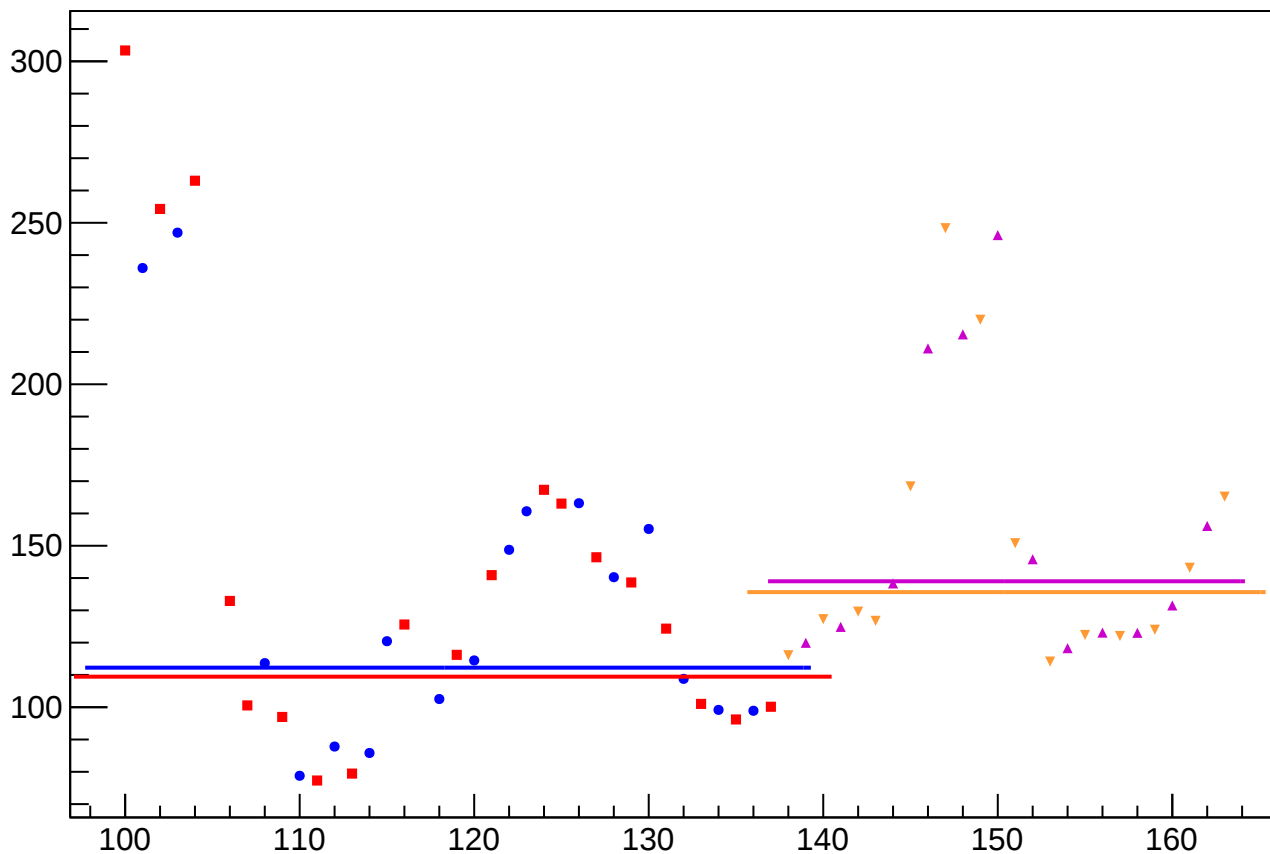
Right: -672.266+/-32.093 χ^2/NDF : 41574.7/35

In: -3766.810+/-32.851 χ^2/NDF : 72576.5/28

Out: -2399.389+/-30.911 χ^2/NDF : 16724.5/32

All: -3041.528+/-22.512 χ^2/NDF : 90220.0/61

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 112.251 ± 0.033 χ^2/NDF : 1125537.4/16

Left Out: 135.643 ± 0.031 χ^2/NDF : 841581.8/13

Right Out: 109.460 ± 0.031 χ^2/NDF : 1269633.4/18

Left In: 138.999 ± 0.033 χ^2/NDF : 891518.0/11

Left: 137.202 ± 0.022 χ^2/NDF : 1738715.2/25

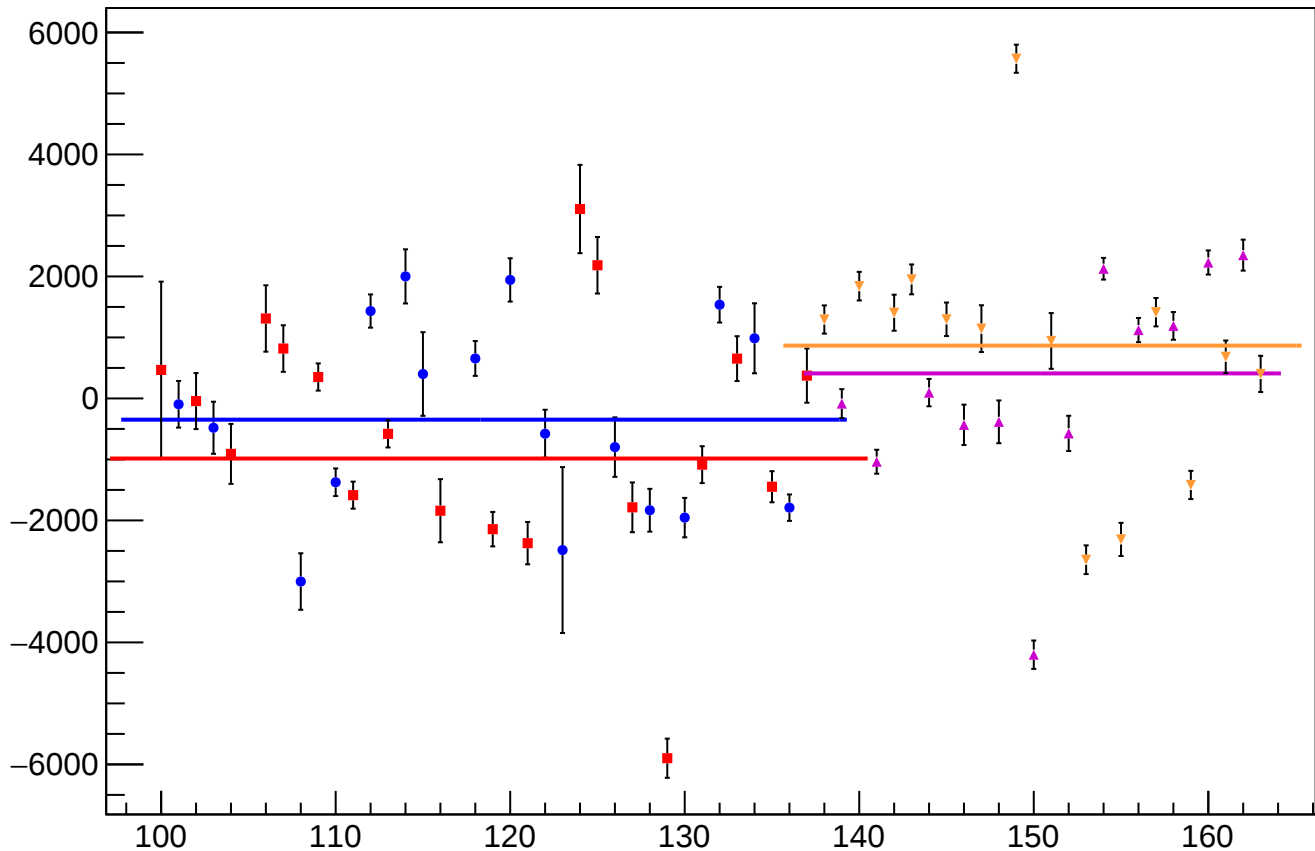
Right: 110.785 ± 0.023 χ^2/NDF : 2398941.6/35

In: 125.690 ± 0.023 χ^2/NDF : 2348539.0/28

Out: 122.888 ± 0.022 χ^2/NDF : 2469733.3/32

All: 124.204 ± 0.016 χ^2/NDF : 4825994.1/61

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -348.055 ± 83.826 $\chi^2/\text{NDF}: 317.3/16$

Left Out: 866.037 ± 70.245 $\chi^2/\text{NDF}: 928.2/13$

Right Out: -985.242 ± 77.683 $\chi^2/\text{NDF}: 476.6/18$

Left In: 410.160 ± 66.100 $\chi^2/\text{NDF}: 737.4/11$

Left: 624.253 ± 48.138 $\chi^2/\text{NDF}: 1687.9/25$

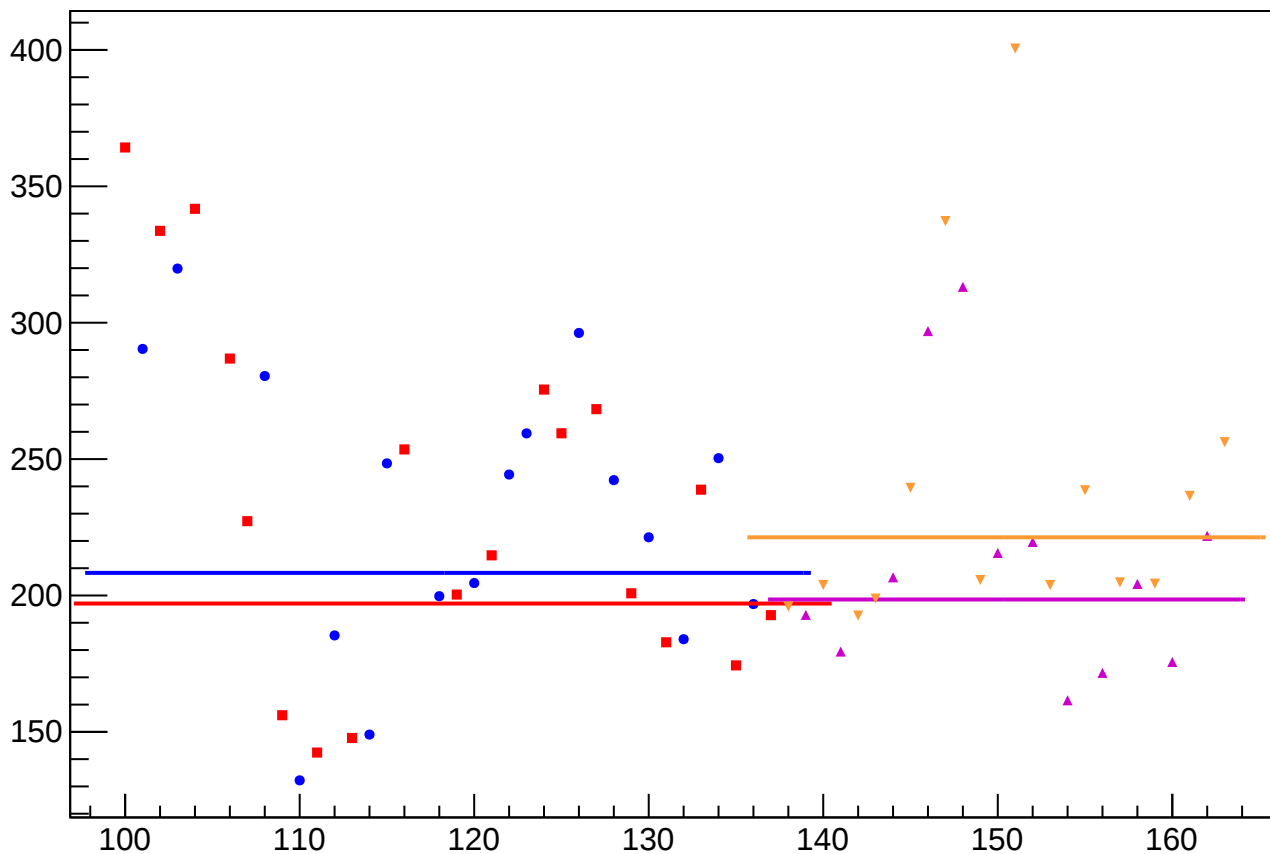
Right: -690.850 ± 56.978 $\chi^2/\text{NDF}: 824.9/35$

In: 119.464 ± 51.904 $\chi^2/\text{NDF}: 1105.1/28$

Out: 33.254 ± 52.102 $\chi^2/\text{NDF}: 1717.2/32$

All: 76.523 ± 36.772 $\chi^2/\text{NDF}: 2823.7/61$

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.288+/-0.059 χ^2/NDF : 698491.0/16

Left Out: 221.323+/-0.050 χ^2/NDF : 652704.3/13

Right Out: 197.051+/-0.055 χ^2/NDF : 926786.6/18

Left In: 198.538+/-0.047 χ^2/NDF : 602894.7/11

Left: 209.239+/-0.034 χ^2/NDF : 1367204.1/25

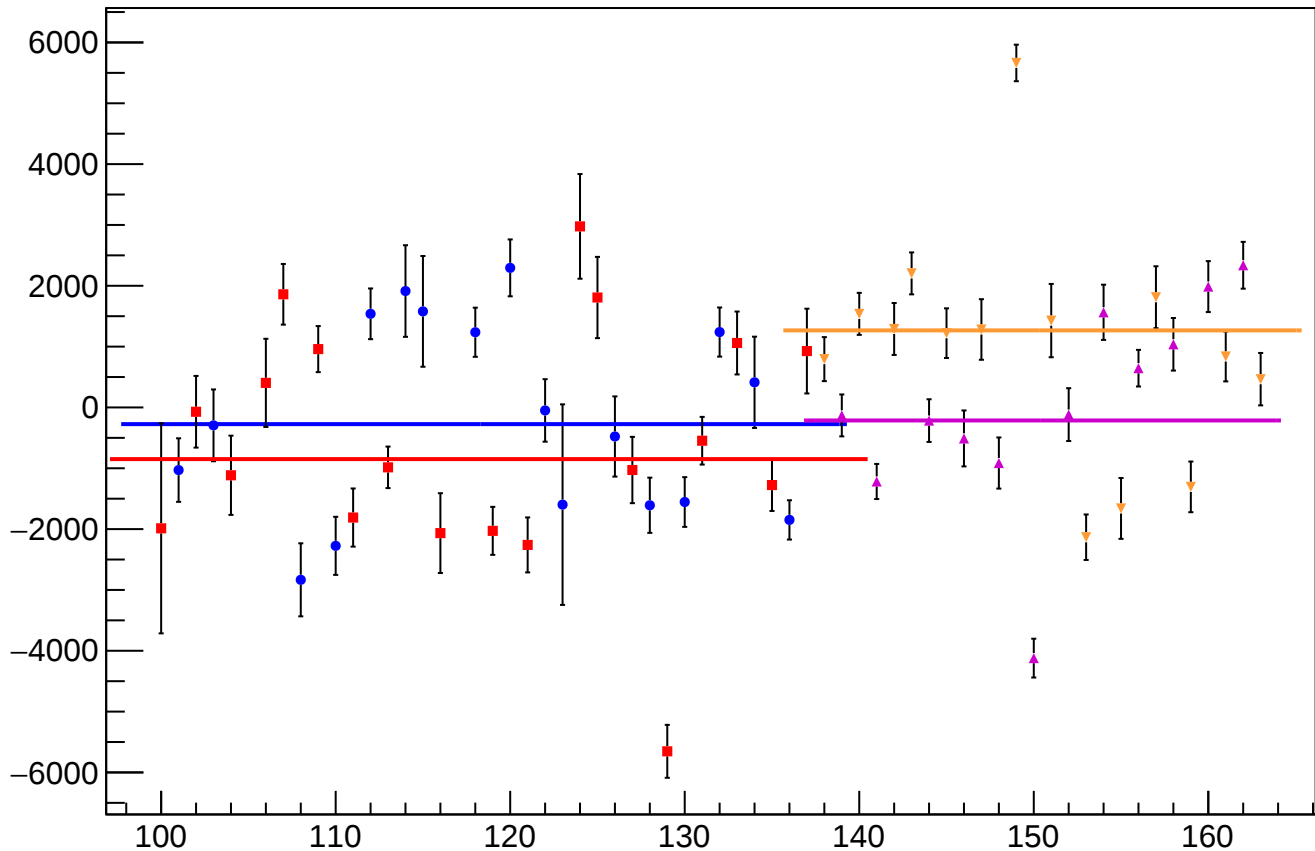
Right: 202.243+/-0.040 χ^2/NDF : 1644610.3/35

In: 202.276+/-0.037 χ^2/NDF : 1318066.0/28

Out: 210.405+/-0.037 χ^2/NDF : 1686912.0/32

All: 206.325+/-0.026 χ^2/NDF : 3029410.3/61

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -274.260±/121.326 χ^2/NDF : 171.6/16

Left Out: 1266.548±/107.884 χ^2/NDF :384.6/13

Right Out: -849.413±/115.349 χ^2/NDF : 263.3/18

Left In: -214.073±/106.723 χ^2/NDF :268.8/11

Left: 518.227±/75.872 χ^2/NDF : 748.6/25

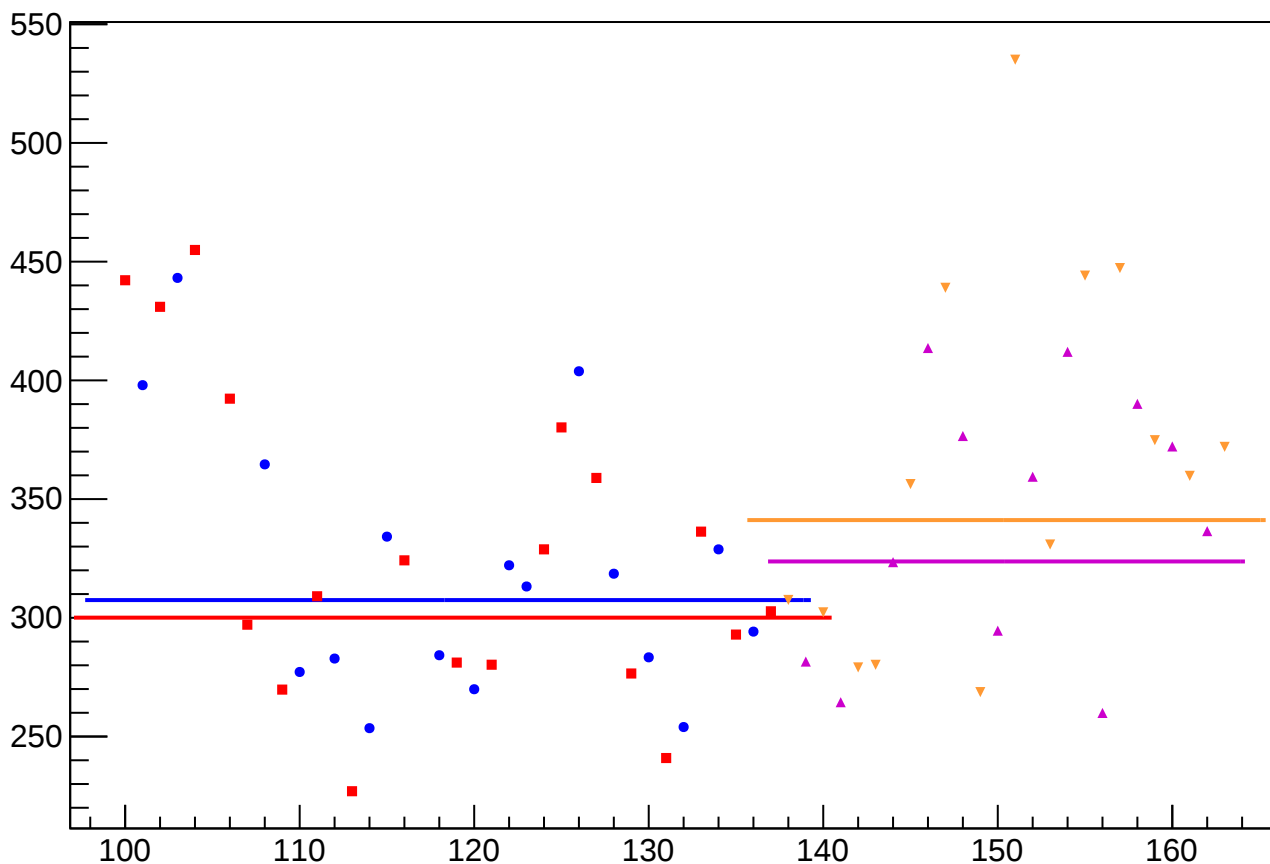
Right: -576.352±/83.597 χ^2/NDF : 446.6/35

In: -240.328±/80.133 χ^2/NDF :440.5/28

Out: 279.246±/78.792 χ^2/NDF :827.4/32

All: 23.840±/56.183 χ^2/NDF : 1289.3/61

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.468+/-0.086 χ^2/NDF : 323096.7/16

Left Out: 341.157+/-0.076 χ^2/NDF : 751498.4/13

Right Out: 300.069+/-0.082 χ^2/NDF : 490398.9/18

Left In: 323.735+/-0.075 χ^2/NDF : 494371.2/11

Left: 332.351+/-0.054 χ^2/NDF : 1272229.7/25

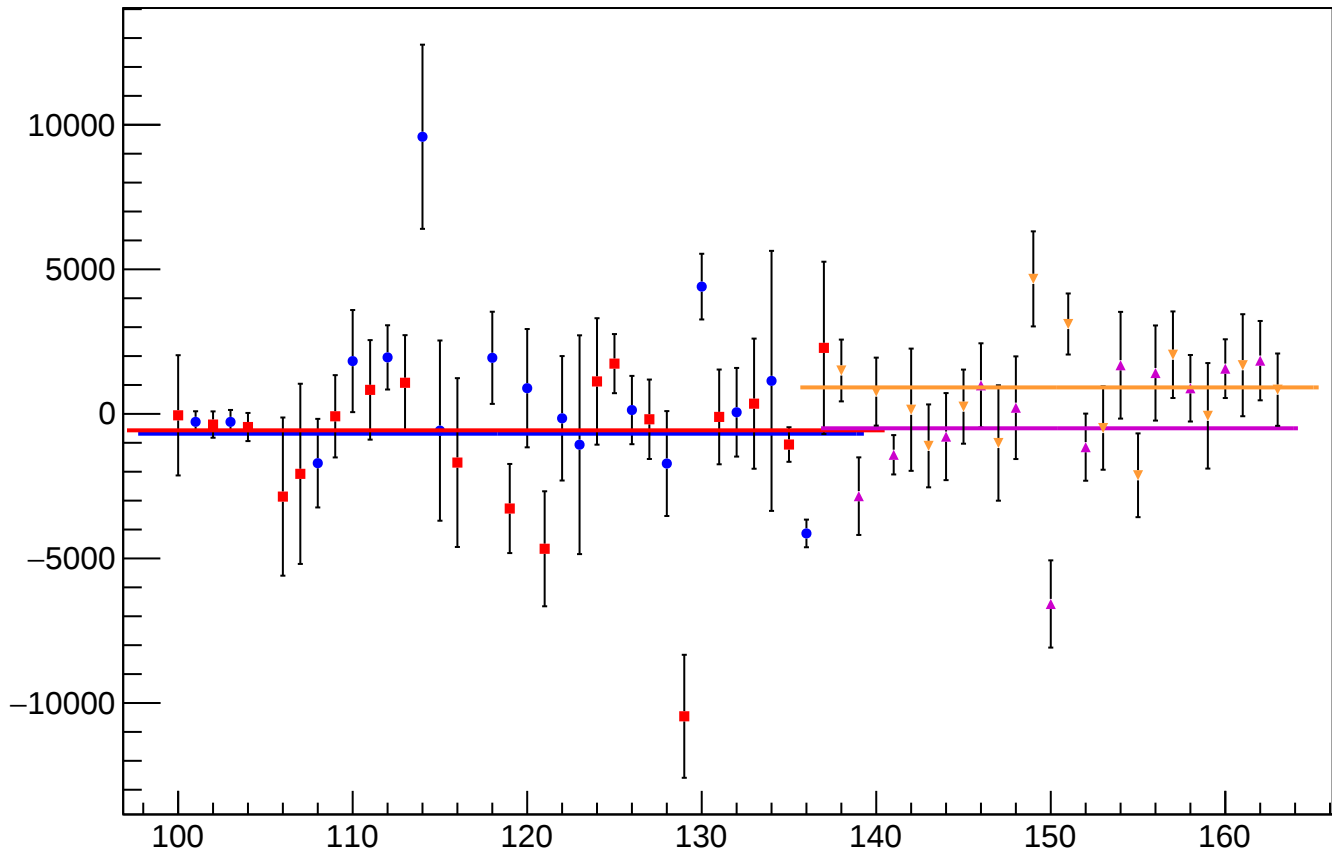
Right: 303.582+/-0.059 χ^2/NDF : 817401.9/35

In: 316.639+/-0.057 χ^2/NDF : 837737.1/28

Out: 321.985+/-0.056 χ^2/NDF : 1377251.3/32

All: 319.357+/-0.040 χ^2/NDF : 2219515.4/61

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -685.056+/-210.341 χ^2/NDF : 97.4/16

Left Out: 915.974+/-375.279 χ^2/NDF :19.6/13

Right Out: -568.651+/-243.251 χ^2/NDF : 39.7/18

Left In: -498.195+/-352.564 χ^2/NDF :33.9/11

Left: 164.797+/-256.956 χ^2/NDF : 61.0/25

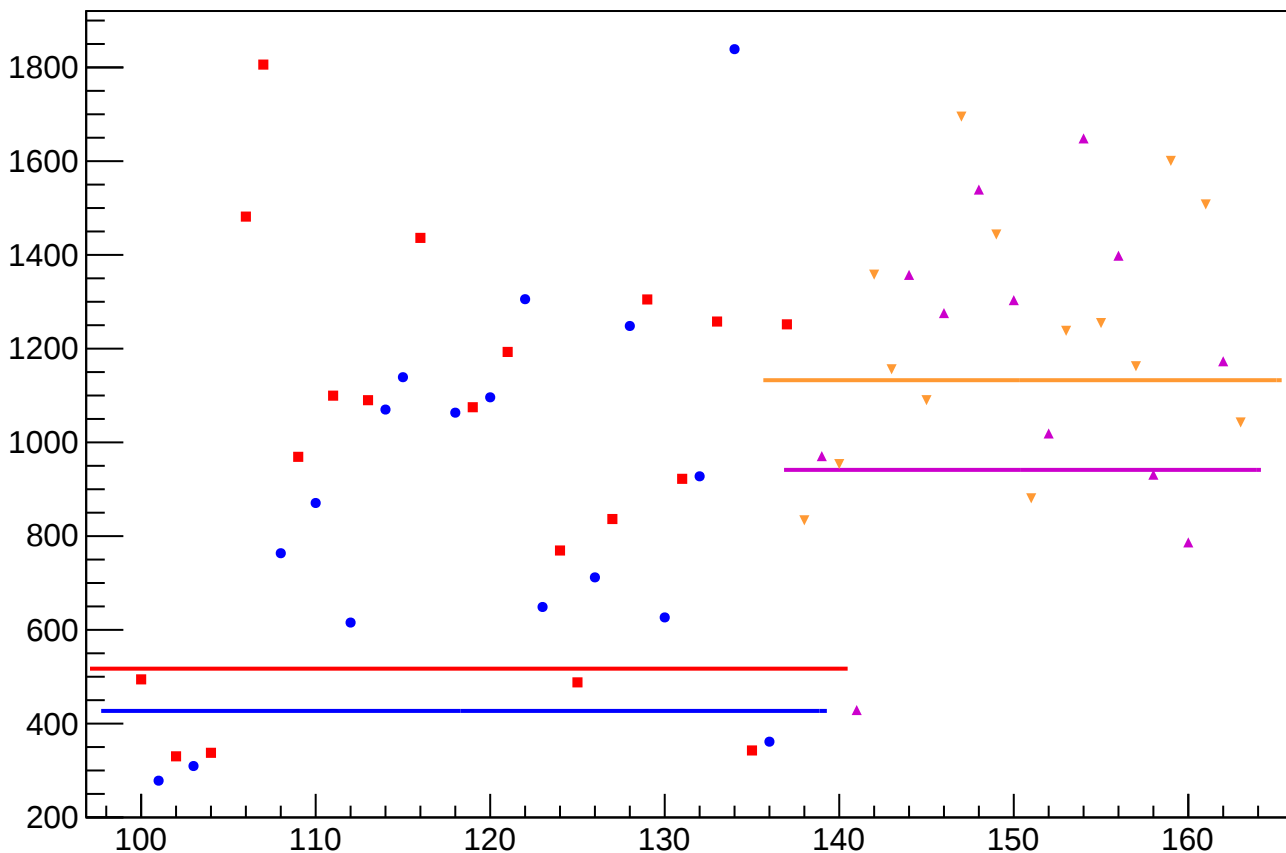
Right: -635.255+/-159.106 χ^2/NDF : 137.2/35

In: -636.005+/-180.636 χ^2/NDF :131.4/28

Out: -129.429+/-204.121 χ^2/NDF :70.3/32

All: -413.523+/-135.274 χ^2/NDF : 205.2/61

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 427.079 ± 0.149 $\chi^2/\text{NDF}: 2865678.7/16$

Left Out: 1132.668 ± 0.265 $\chi^2/\text{NDF}: 830492.9/13$

Right Out: 517.234 ± 0.172 $\chi^2/\text{NDF}: 3605111.9/18$

Left In: 941.345 ± 0.249 $\chi^2/\text{NDF}: 2295694.5/11$

Left: 1031.041 ± 0.182 $\chi^2/\text{NDF}: 3402304.6/25$

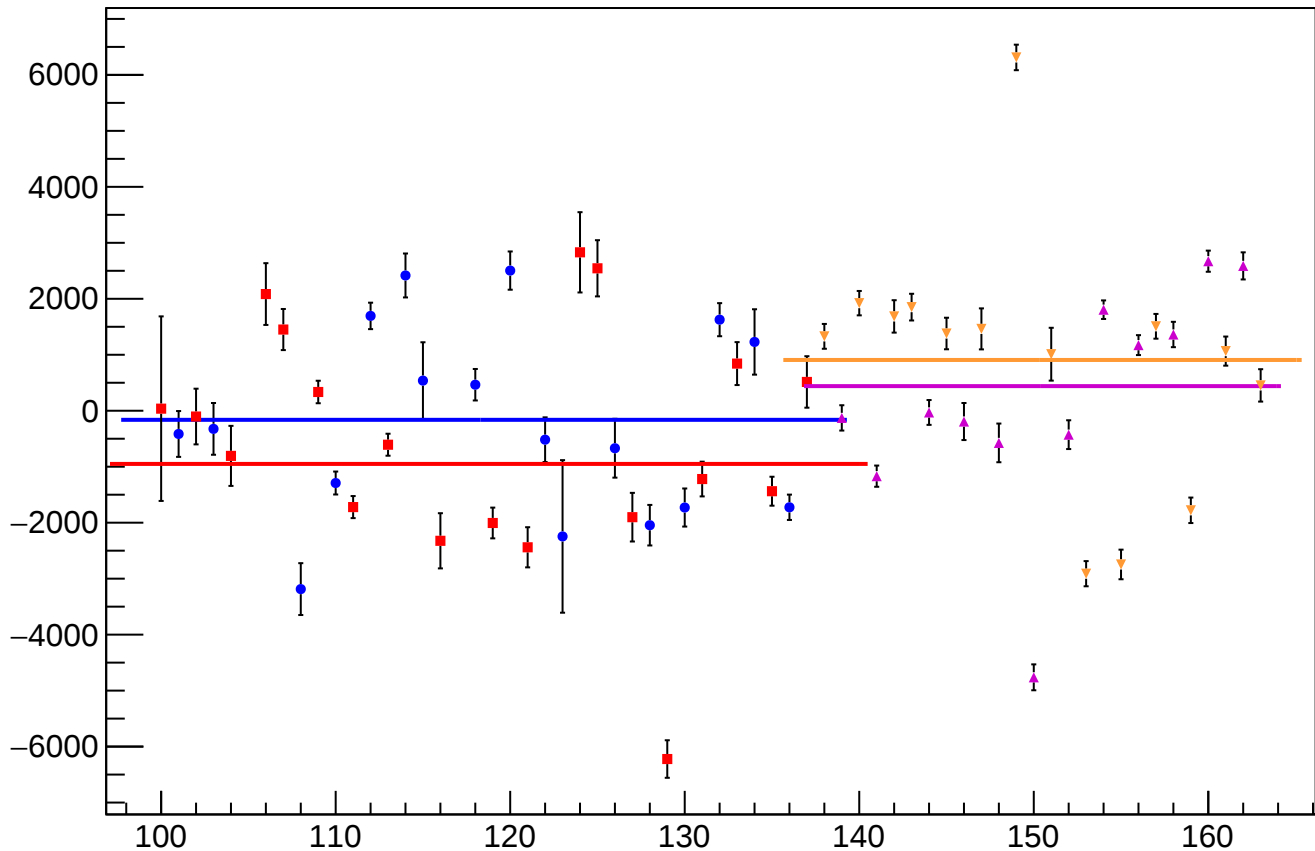
Right: 465.650 ± 0.113 $\chi^2/\text{NDF}: 6627982.5/35$

In: 562.075 ± 0.128 $\chi^2/\text{NDF}: 8299645.2/28$

Out: 699.309 ± 0.144 $\chi^2/\text{NDF}: 8223076.9/32$

All: 622.346 ± 0.096 $\chi^2/\text{NDF}: 17029705.4/63$

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -162.333+/-82.350 χ^2/NDF : 387.6/16

Left Out: 907.177+/-68.159 χ^2/NDF :1243.9/13

Right Out: -950.093+/-75.133 χ^2/NDF : 539.8/18

Left In: 439.838+/-63.051 χ^2/NDF :931.7/11

Left: 655.343+/-46.284 χ^2/NDF : 2200.9/25

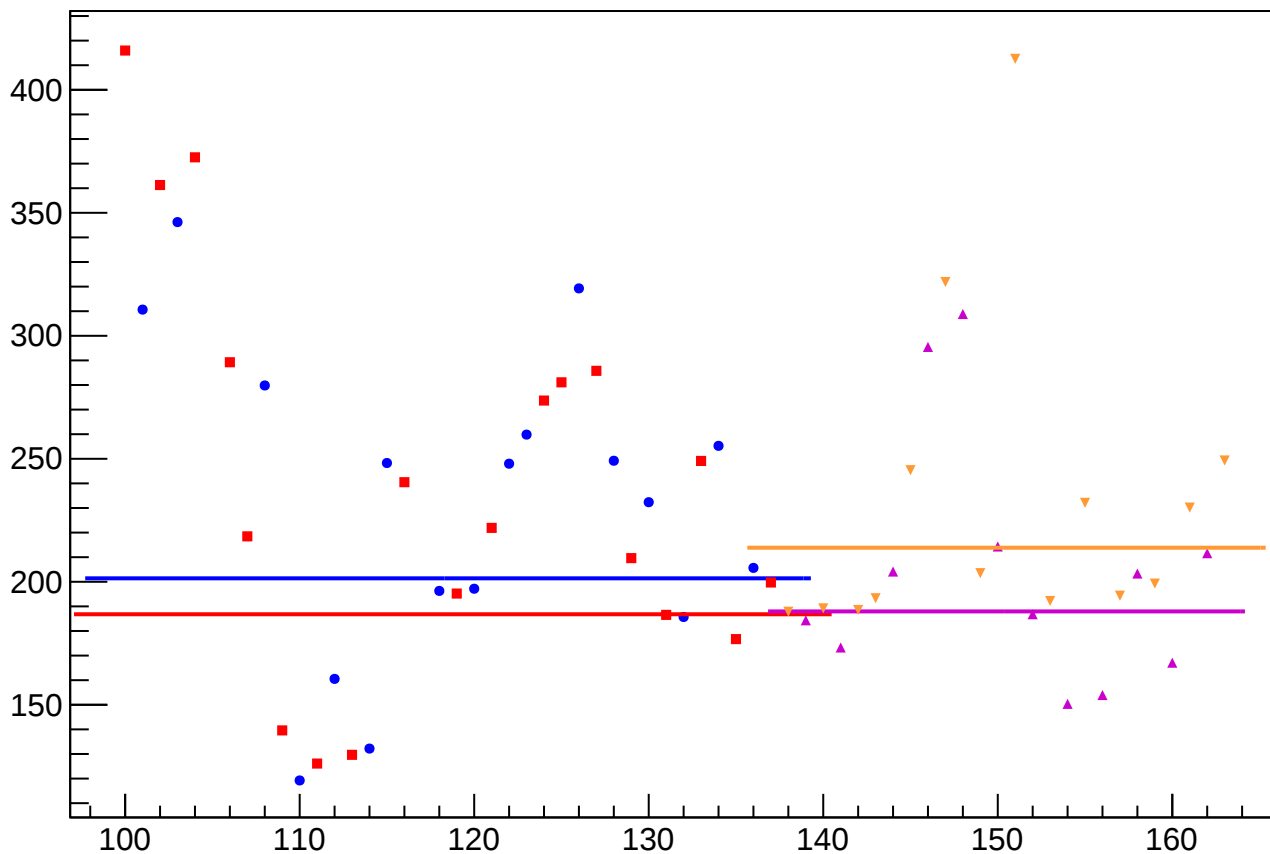
Right: -592.238+/-55.504 χ^2/NDF : 977.3/35

In: 217.296+/-50.062 χ^2/NDF :1352.9/28

Out: 68.730+/-50.481 χ^2/NDF :2118.9/32

All: 143.632+/-35.547 χ^2/NDF : 3476.2/61

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 213.856 $\pm$ 0.048 χ^2 /NDF: 730724.3/13

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

Left In: 187.956 $\pm$ 0.045 χ^2 /NDF: 733499.0/11

Left: 199.899 $\pm$ 0.033 χ^2 /NDF: 1619856.4/25

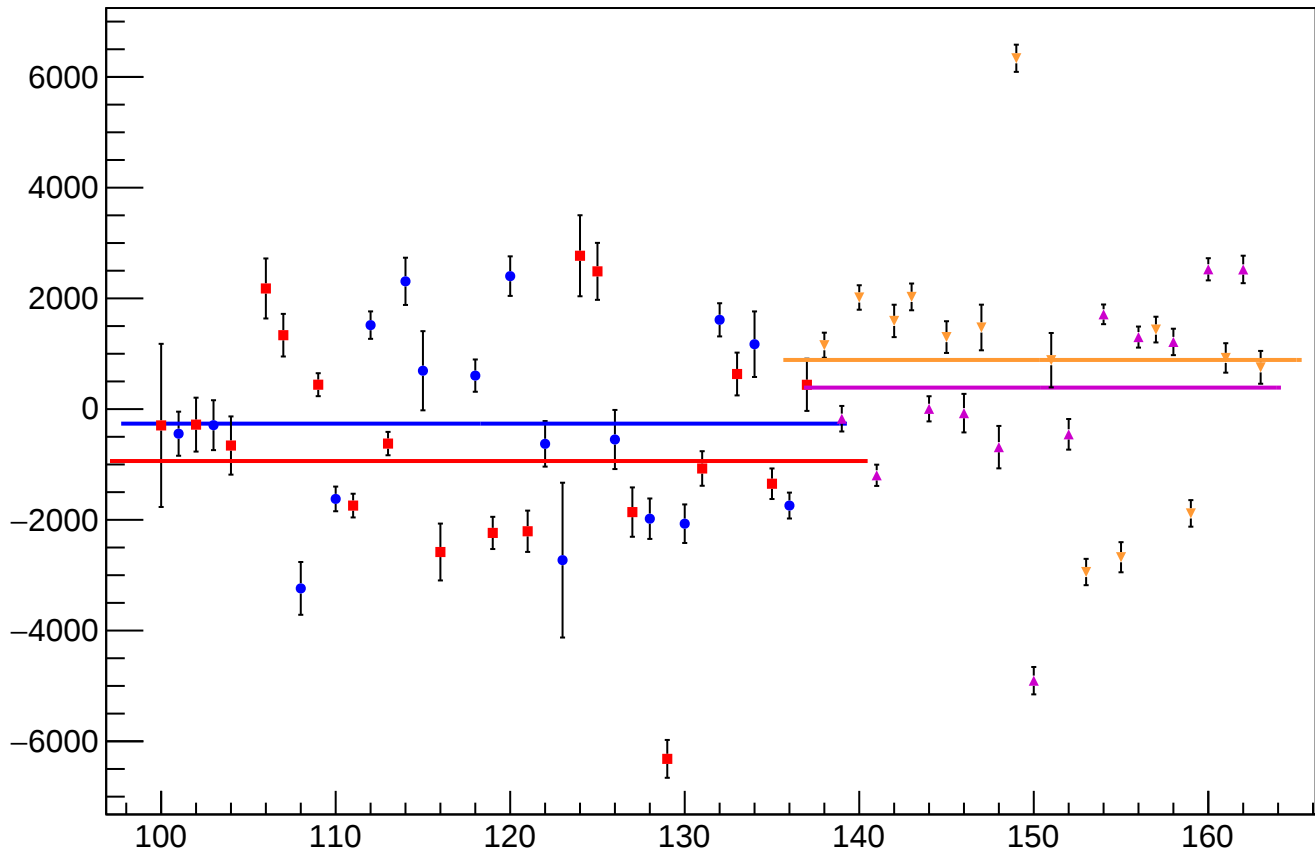
Right: 193.435 $\pm$ 0.039 χ^2 /NDF: 2483546.7/35

In: 192.928 $\pm$ 0.035 χ^2 /NDF: 1823174.0/28

Out: 201.641 $\pm$ 0.036 χ^2 /NDF: 2266189.1/32

All: 197.248 $\pm$ 0.025 χ^2 /NDF: 4119403.8/61

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -262.324+/-85.433 χ^2/NDF : 368.7/16

Left Out: 888.052+/-70.684 χ^2/NDF :1122.0/13

Right Out: -937.678+/-78.434 χ^2/NDF : 521.9/18

Left In: 388.384+/-66.263 χ^2/NDF :831.8/11

Left: 622.104+/-48.343 χ^2/NDF : 1980.3/25

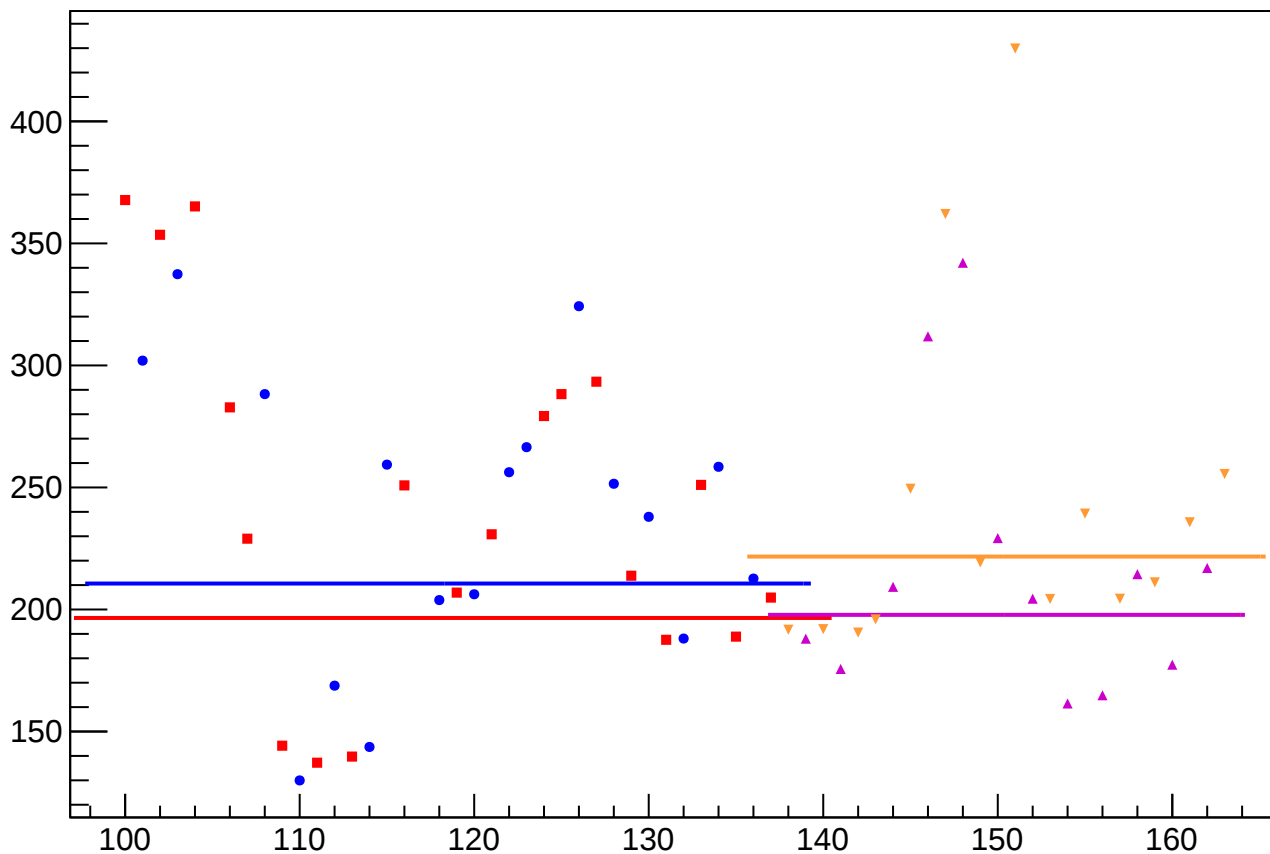
Right: -628.795+/-57.777 χ^2/NDF : 924.5/35

In: 143.968+/-52.360 χ^2/NDF :1236.7/28

Out: 69.813+/-52.508 χ^2/NDF :1942.9/32

All: 106.995+/-37.076 χ^2/NDF : 3180.6/61

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 221.686+/-0.050 χ^2/NDF : 792116.8/13

Right Out: 196.528+/-0.055 χ^2/NDF : 1205091.0/18

Left In: 197.799+/-0.047 χ^2/NDF : 753382.2/11

Left: 208.972+/-0.034 χ^2/NDF : 1667071.0/25

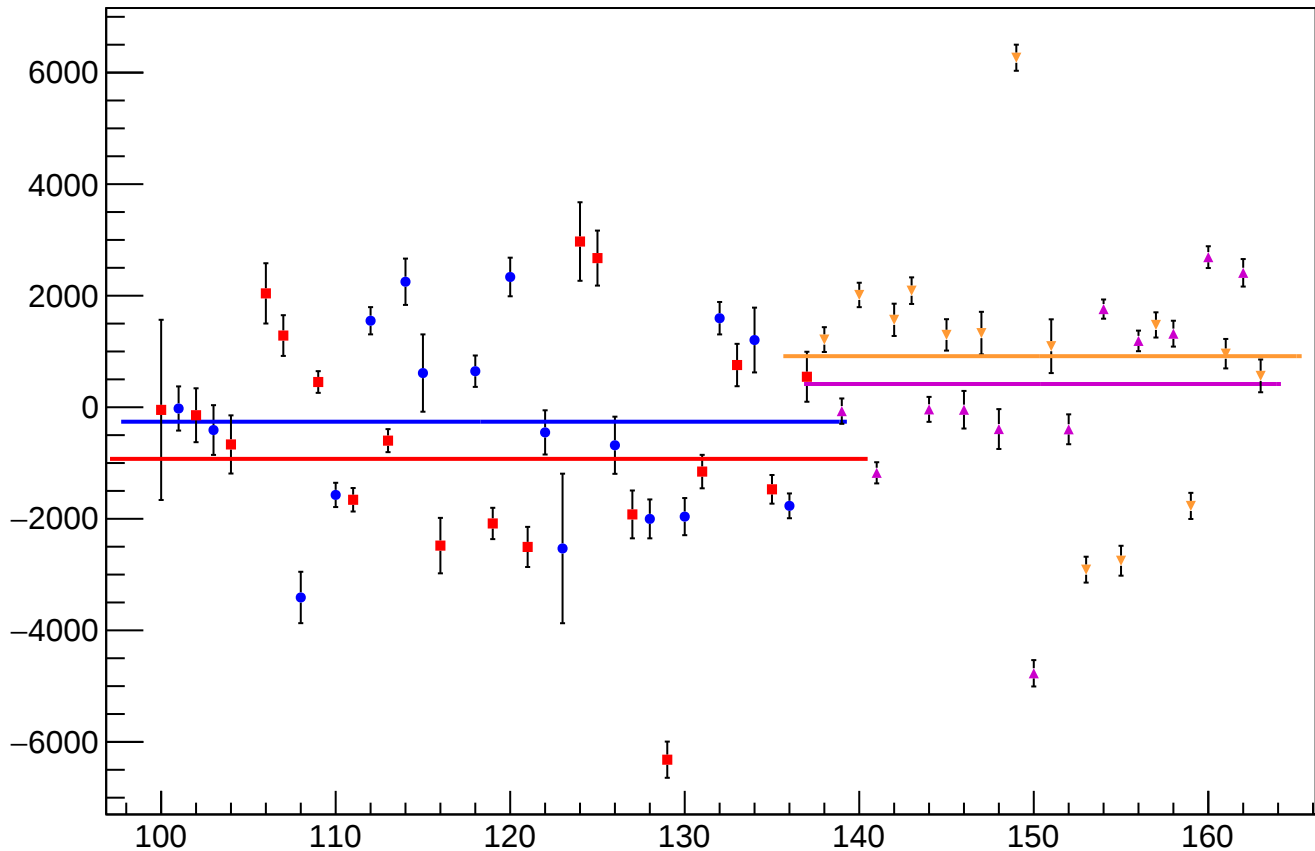
Right: 202.981+/-0.041 χ^2/NDF : 2110460.6/35

In: 202.621+/-0.037 χ^2/NDF : 1657352.3/28

Out: 210.411+/-0.037 χ^2/NDF : 2110755.3/32

All: 206.505+/-0.026 χ^2/NDF : 3790182.8/61

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -259.139±/82.802 χ^2/NDF : 391.2/16

Left Out: 915.735±/69.196 χ^2/NDF :1180.7/13

Right Out: -925.534±/75.503 χ^2/NDF : 581.9/18

Left In: 416.883±/64.560 χ^2/NDF :871.1/11

Left: 649.041±/47.205 χ^2/NDF : 2079.6/25

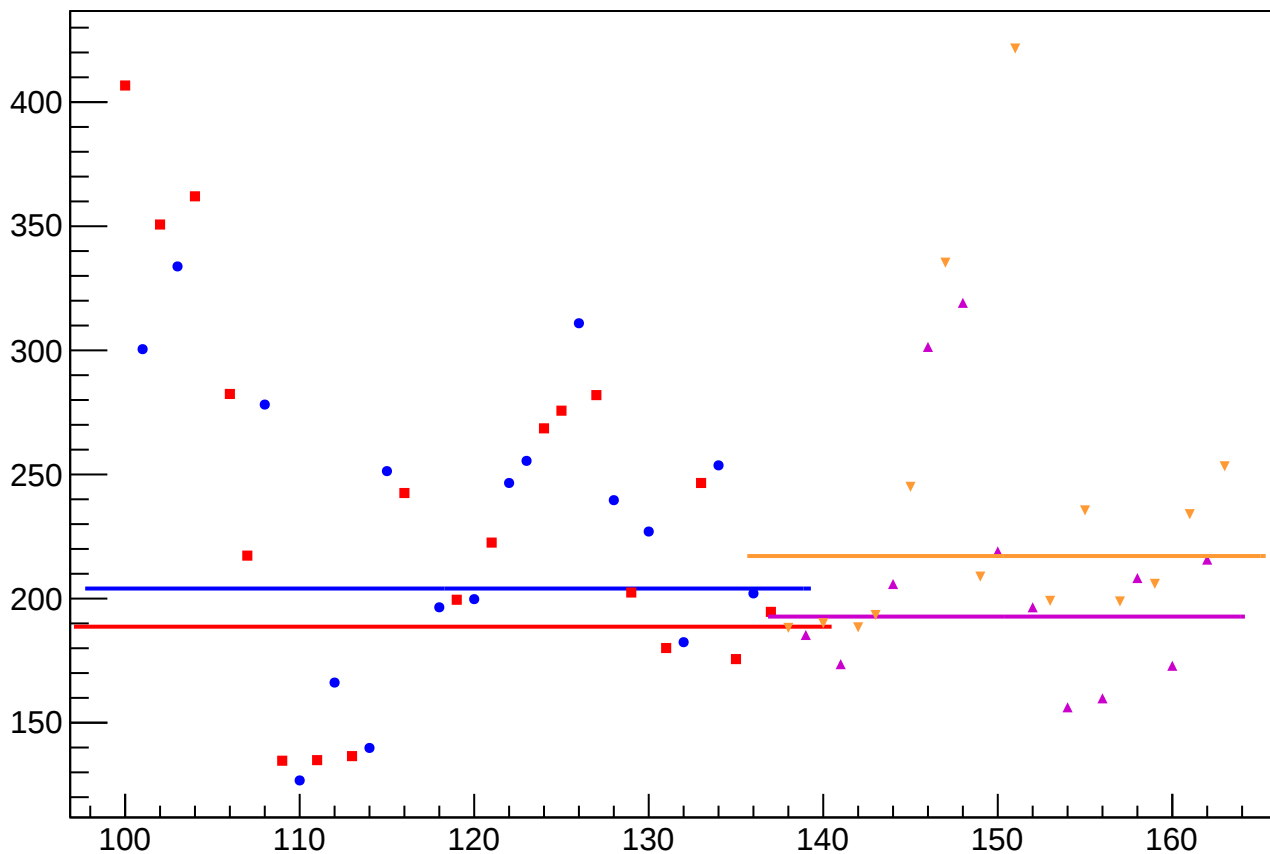
Right: -622.995±/55.791 χ^2/NDF : 1008.5/35

In: 161.291±/50.914 χ^2/NDF :1303.8/28

Out: 75.209±/51.013 χ^2/NDF :2085.8/32

All: 118.335±/36.037 χ^2/NDF : 3391.0/61

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 217.142+/-0.049 χ^2/NDF : 755154.5/13

Right Out: 188.681+/-0.053 χ^2/NDF : 1251107.4/18

Left In: 192.754+/-0.046 χ^2/NDF : 713287.4/11

Left: 204.104+/-0.033 χ^2/NDF : 1601261.7/25

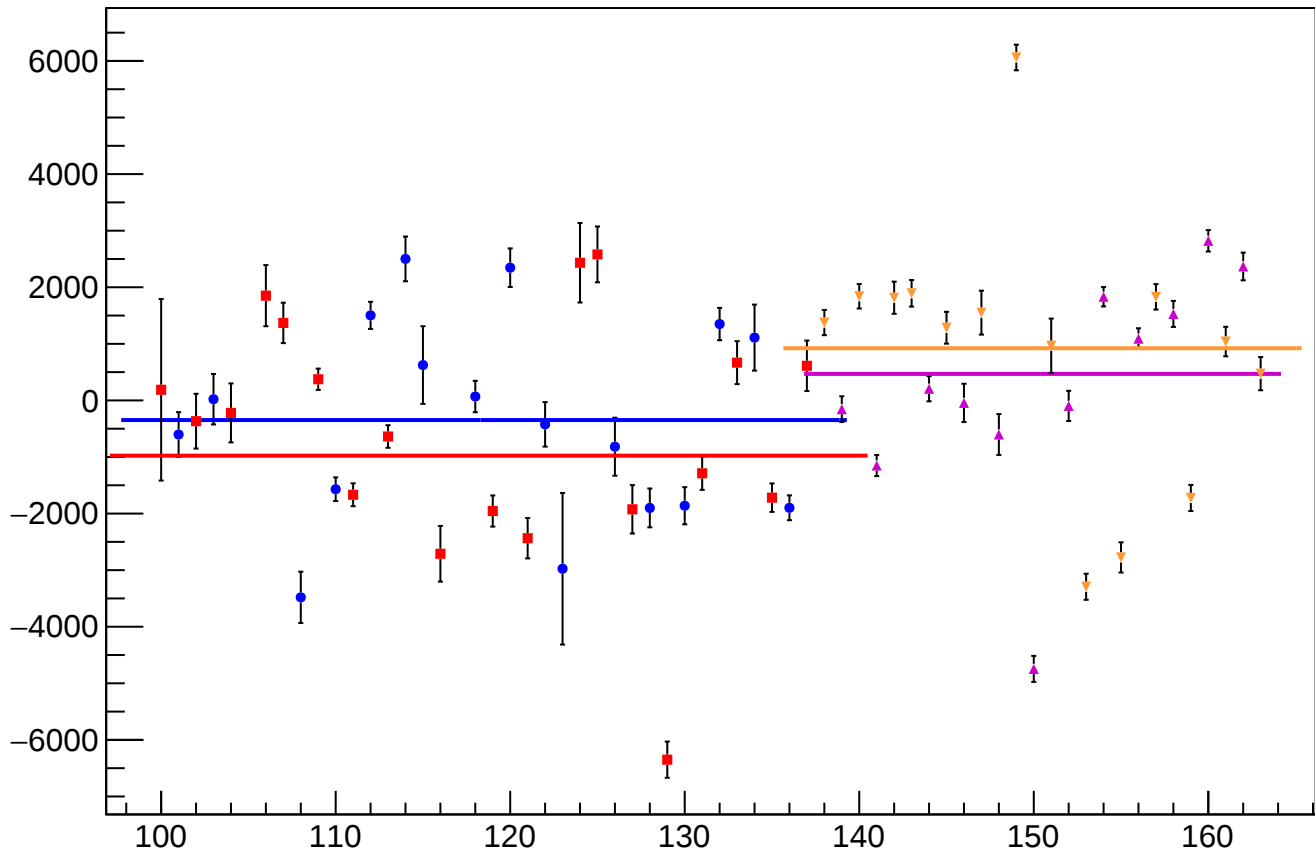
Right: 195.659+/-0.039 χ^2/NDF : 2157160.3/35

In: 197.025+/-0.036 χ^2/NDF : 1604865.2/28

Out: 204.149+/-0.036 χ^2/NDF : 2160720.4/32

All: 200.580+/-0.025 χ^2/NDF : 3785127.5/61

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.240 ± 81.318 $\chi^2/\text{NDF}: 399.1/16$

Left Out: 922.199 ± 68.536 $\chi^2/\text{NDF}: 1245.2/13$

Right Out: -976.286 ± 73.889 $\chi^2/\text{NDF}: 585.7/18$

Left In: 468.557 ± 63.892 $\chi^2/\text{NDF}: 923.8/11$

Left: 679.489 ± 46.734 $\chi^2/\text{NDF}: 2192.5/25$

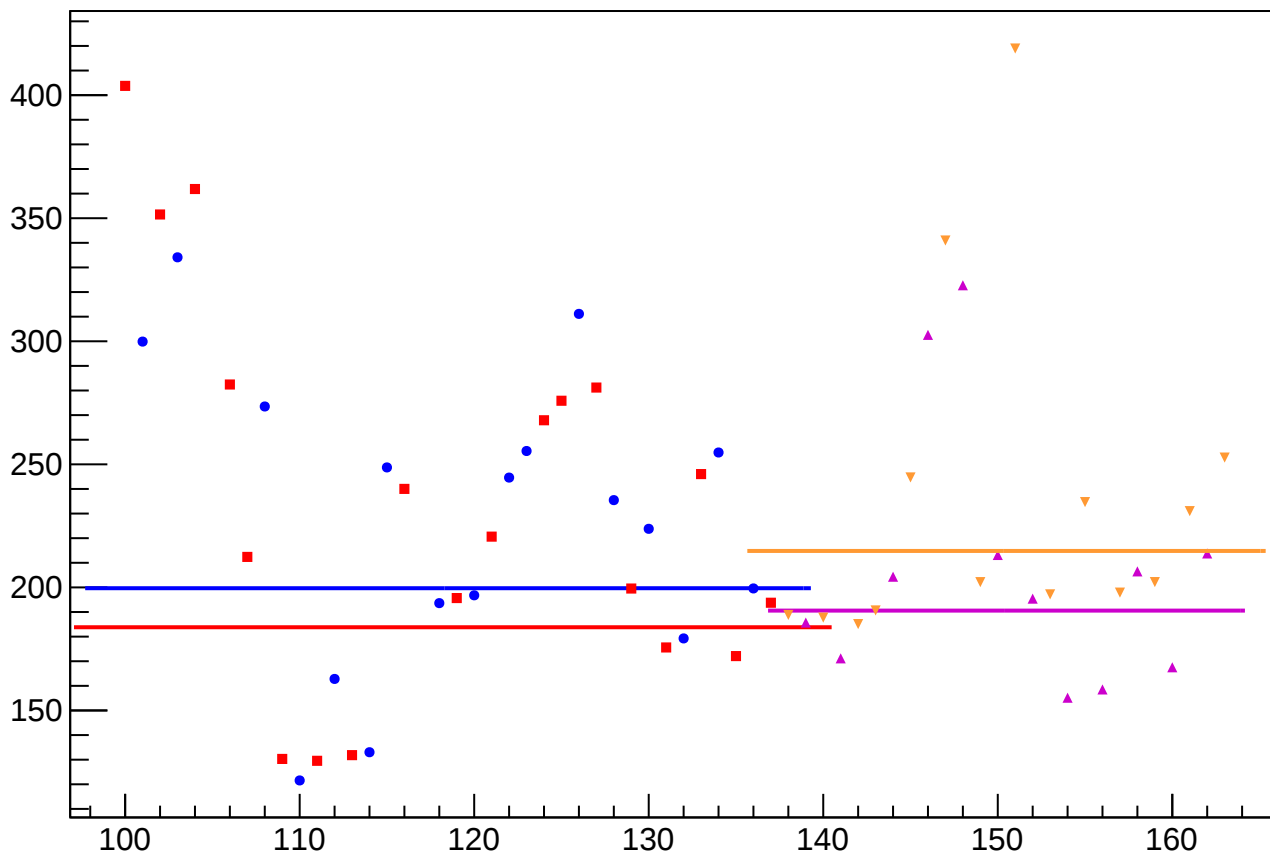
Right: -691.802 ± 54.685 $\chi^2/\text{NDF}: 1017.5/35$

In: 157.166 ± 50.240 $\chi^2/\text{NDF}: 1385.1/28$

Out: 44.204 ± 50.248 $\chi^2/\text{NDF}: 2185.8/32$

All: 100.695 ± 35.528 $\chi^2/\text{NDF}: 3573.4/61$

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 214.813 $\pm$ 0.048 χ^2 /NDF: 785662.6/13

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

Left In: 190.573 $\pm$ 0.045 χ^2 /NDF: 741219.1/11

Left: 201.844 $\pm$ 0.033 χ^2 /NDF: 1660740.6/25

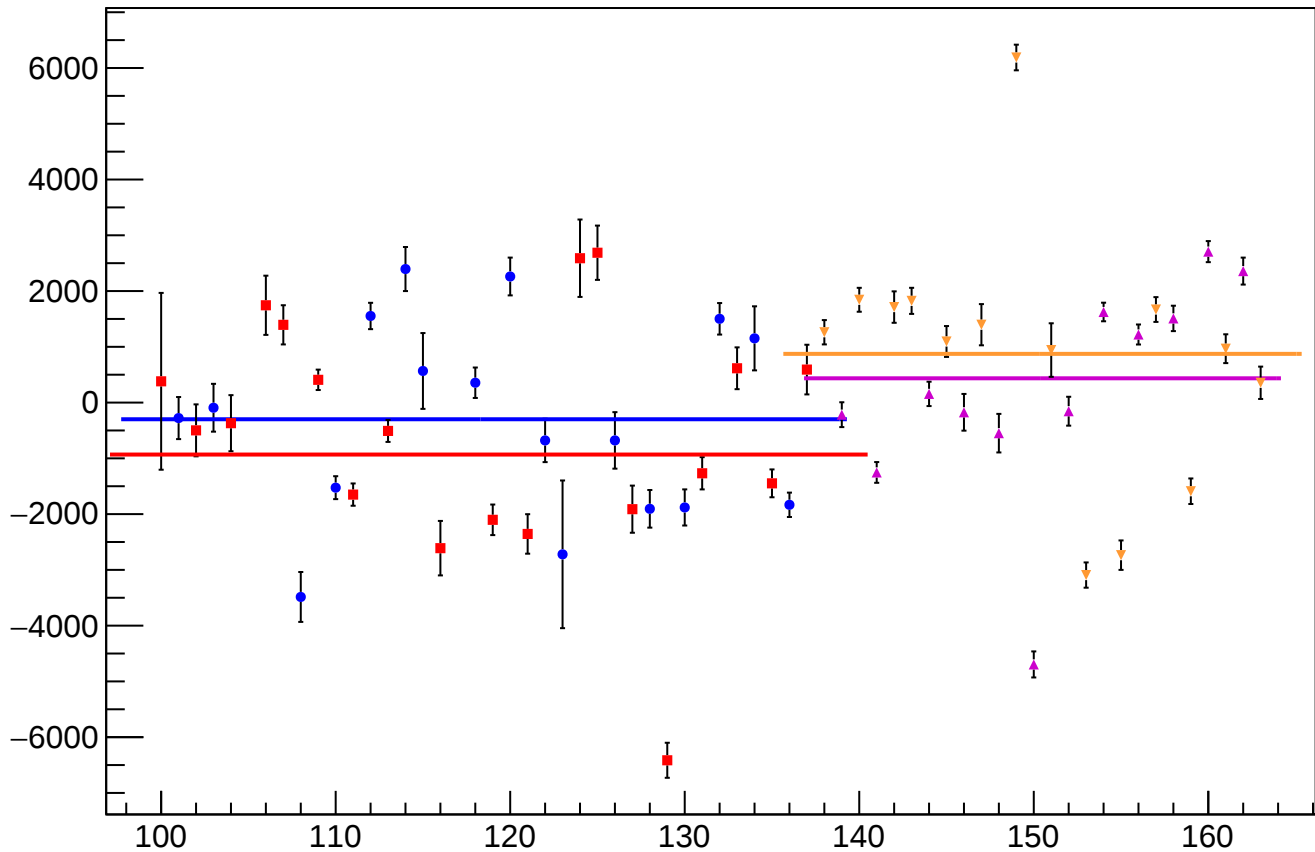
Right: 190.981 $\pm$ 0.039 χ^2 /NDF: 2334457.4/35

In: 194.045 $\pm$ 0.036 χ^2 /NDF: 1699847.5/28

Out: 200.474 $\pm$ 0.036 χ^2 /NDF: 2324583.3/32

All: 197.259 $\pm$ 0.025 χ^2 /NDF: 4040805.9/61

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Left: 638.195 ± 46.157 χ^2/NDF : 2124.8/25

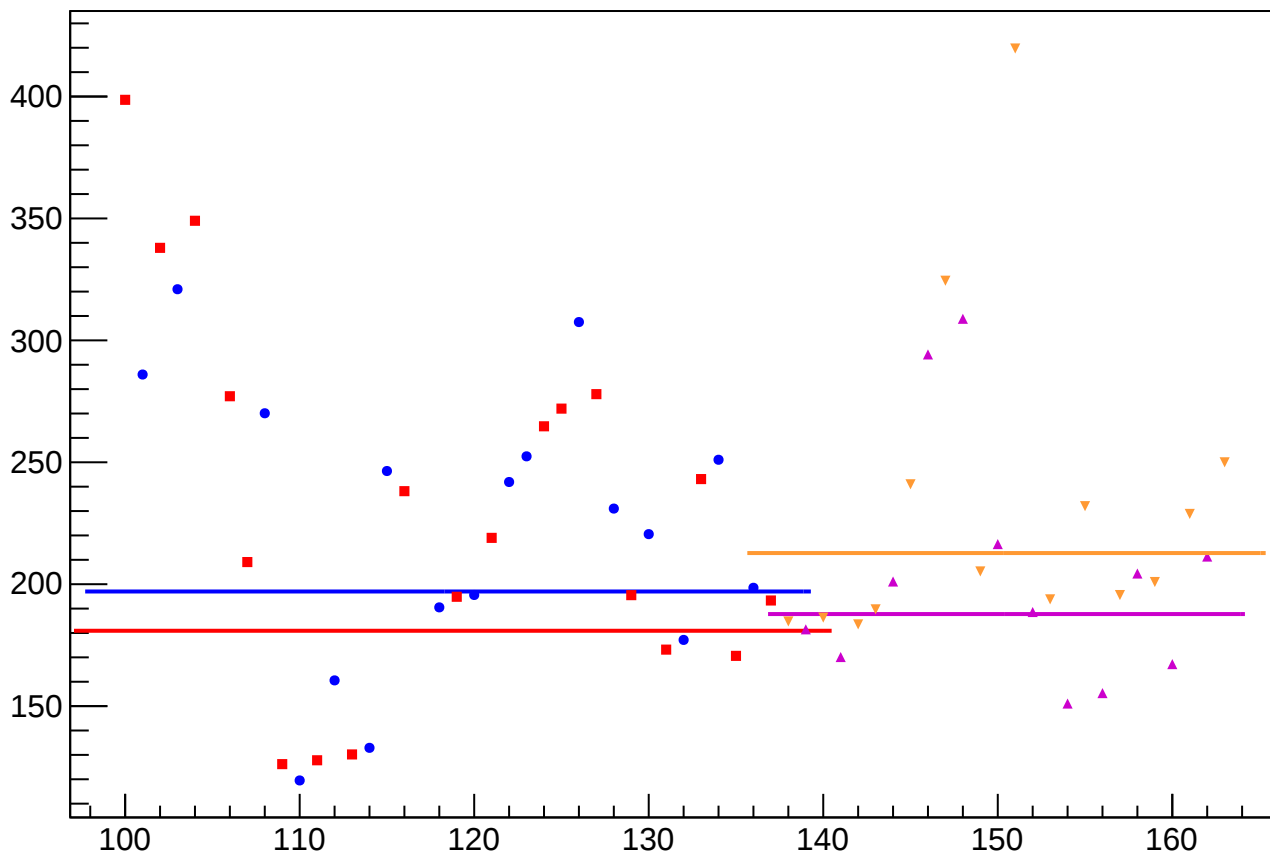
Right: -646.004 ± 53.873 χ^2/NDF : 1055.6/35

In: 155.154 ± 49.519 χ^2/NDF : 1350.1/28

Out: 33.718 ± 49.621 χ^2/NDF : 2155.0/32

All: 94.561 ± 35.051 χ^2/NDF : 3508.1/61

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 197.013 $\pm$ 0.057 χ^2 /NDF: 911923.5/16

Left Out: 212.776 $\pm$ 0.048 χ^2 /NDF: 764266.2/13

Right Out: 180.906 $\pm$ 0.051 χ^2 /NDF: 1345685.7/18

Left In: 187.758 $\pm$ 0.045 χ^2 /NDF: 727176.5/11

Left: 199.334 $\pm$ 0.033 χ^2 /NDF: 1637514.8/25

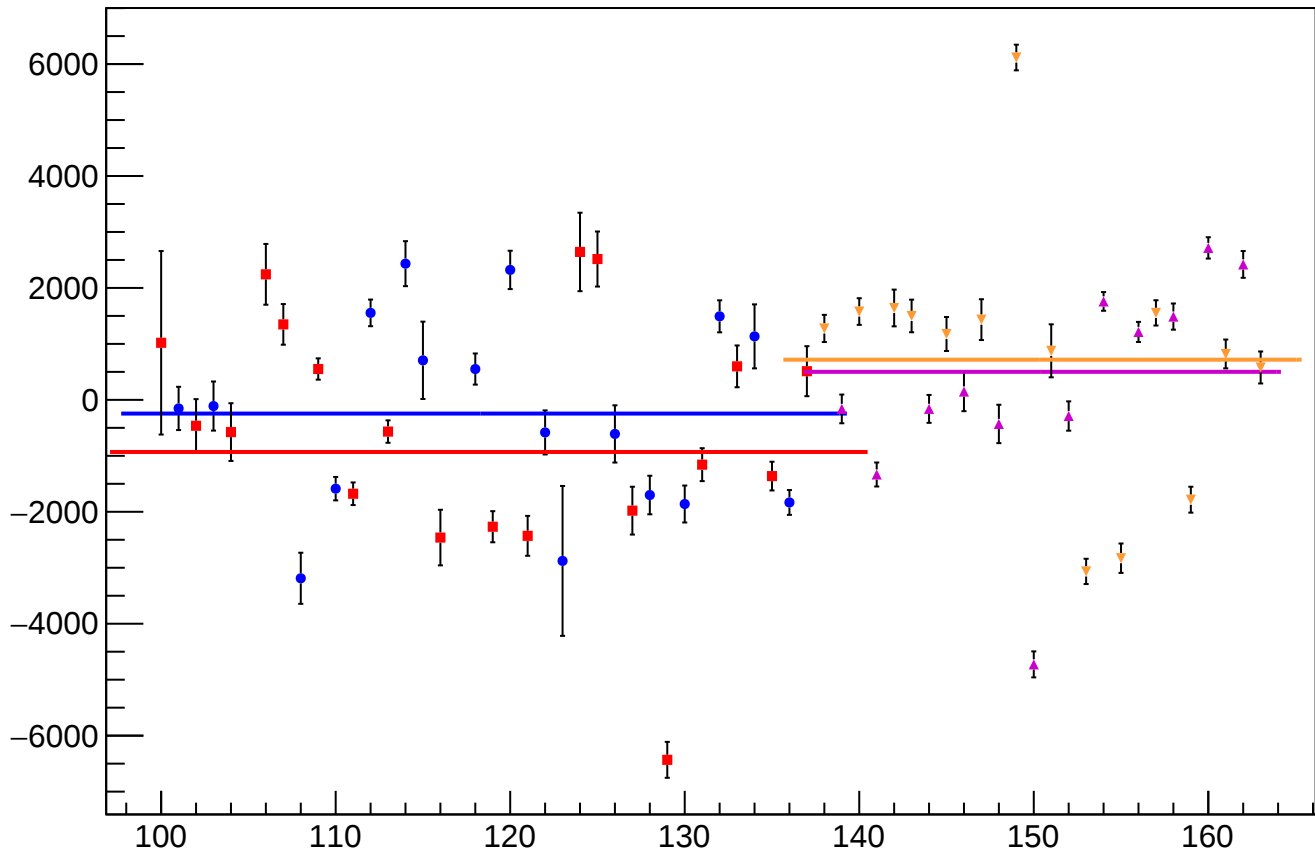
Right: 188.181 $\pm$ 0.038 χ^2 /NDF: 2301888.8/35

In: 191.290 $\pm$ 0.035 χ^2 /NDF: 1655588.1/28

Out: 197.949 $\pm$ 0.035 χ^2 /NDF: 2315201.0/32

All: 194.613 $\pm$ 0.025 χ^2 /NDF: 3988837.4/61

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -244.925±/81.395 χ^2/NDF : 391.4/16

Left Out: 717.946±/71.189 χ^2/NDF :1188.0/13

Right Out: -931.272±/74.206 χ^2/NDF : 609.7/18

Left In: 500.877±/65.528 χ^2/NDF :899.9/11

Left: 600.439±/48.213 χ^2/NDF : 2092.9/25

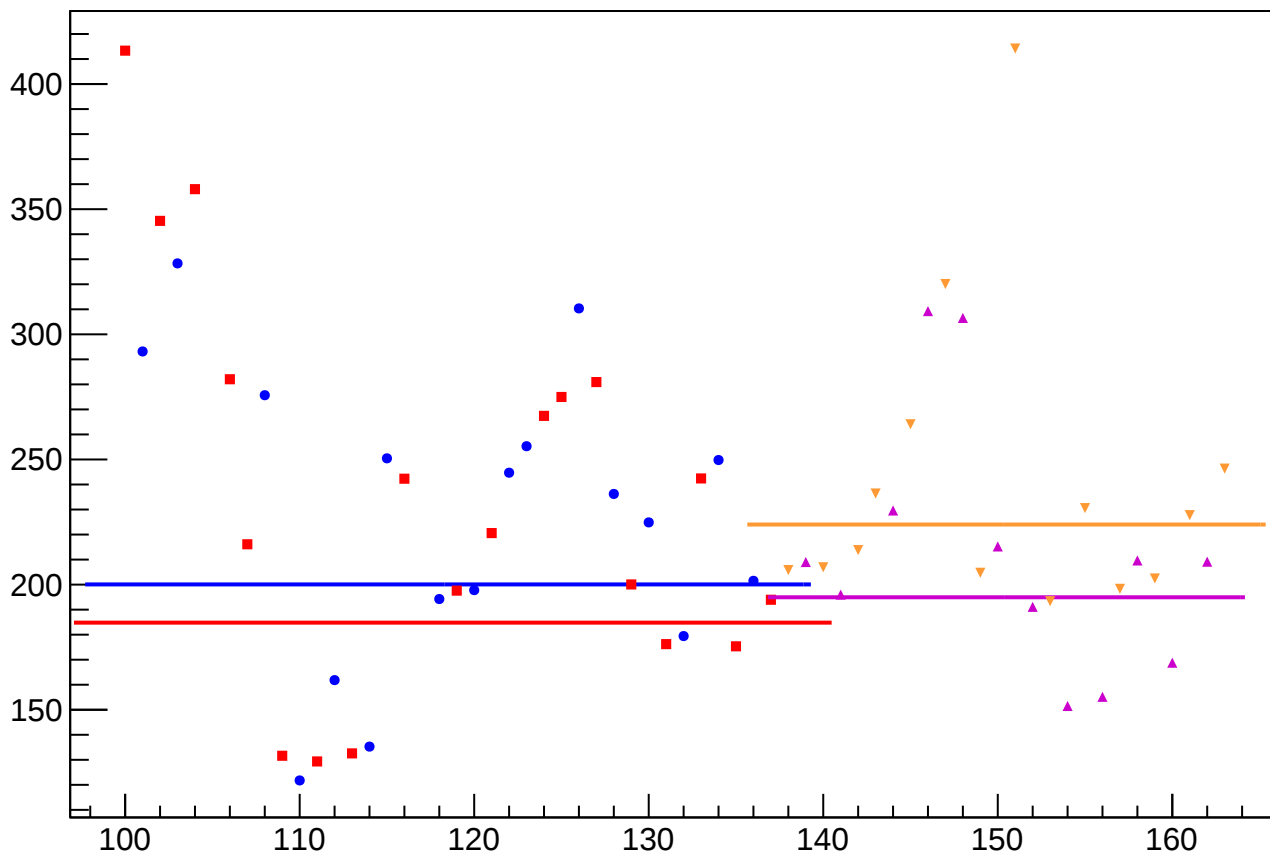
Right: -619.742±/54.837 χ^2/NDF : 1040.0/35

In: 207.590±/51.043 χ^2/NDF :1342.2/28

Out: -72.459±/51.372 χ^2/NDF :2054.9/32

All: 68.466±/36.208 χ^2/NDF : 3412.1/61

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 200.078 $\pm$ 0.058 χ^2 /NDF: 918309.2/16

Left Out: 224.005 $\pm$ 0.050 χ^2 /NDF: 631570.5/13

Right Out: 184.807 $\pm$ 0.052 χ^2 /NDF: 1318267.6/18

Left In: 194.943 $\pm$ 0.046 χ^2 /NDF: 770609.1/11

Left: 208.273 $\pm$ 0.034 χ^2 /NDF: 1582615.6/25

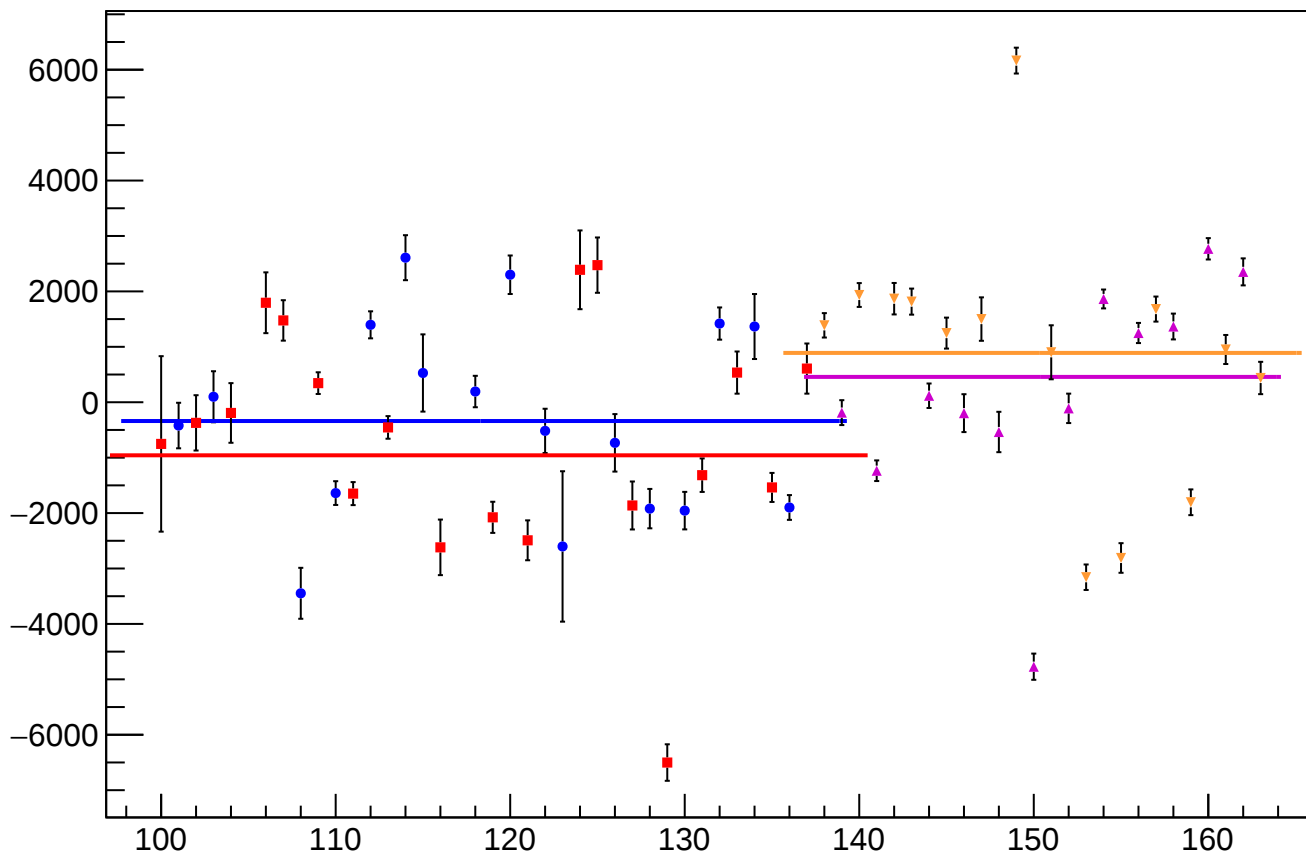
Right: 191.739 $\pm$ 0.039 χ^2 /NDF: 2275022.2/35

In: 196.963 $\pm$ 0.036 χ^2 /NDF: 1693748.1/28

Out: 205.219 $\pm$ 0.036 χ^2 /NDF: 2240443.5/32

All: 201.064 $\pm$ 0.026 χ^2 /NDF: 3960189.8/61

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -338.966±/83.123 χ^2/NDF : 389.5/16

Left Out: 890.018±/68.680 χ^2/NDF :1222.3/13

Right Out: -957.615±/75.749 χ^2/NDF : 570.3/18

Left In: 457.211±/63.993 χ^2/NDF :904.8/11

Left: 658.342±/46.819 χ^2/NDF : 2148.3/25

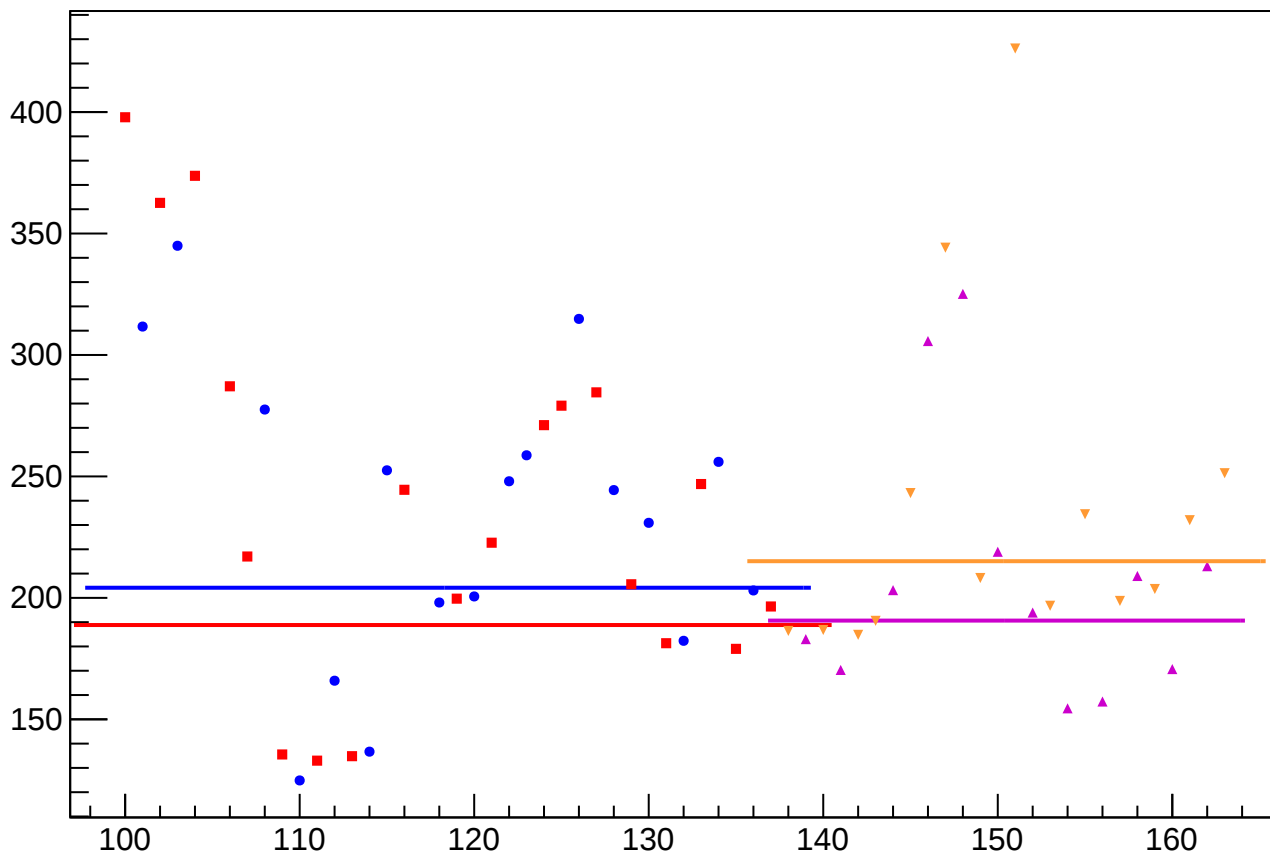
Right: -676.943±/55.988 χ^2/NDF : 990.0/35

In: 160.930±/50.707 χ^2/NDF :1351.8/28

Out: 56.410±/50.880 χ^2/NDF :2119.1/32

All: 108.848±/35.916 χ^2/NDF : 3473.1/61

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.175+/-0.059 χ^2/NDF : 947438.5/16

Left Out: 215.100+/-0.049 χ^2/NDF : 805092.5/13

Right Out: 188.821+/-0.054 χ^2/NDF : 1314891.2/18

Left In: 190.648+/-0.045 χ^2/NDF : 768950.2/11

Left: 202.011+/-0.033 χ^2/NDF : 1709740.2/25

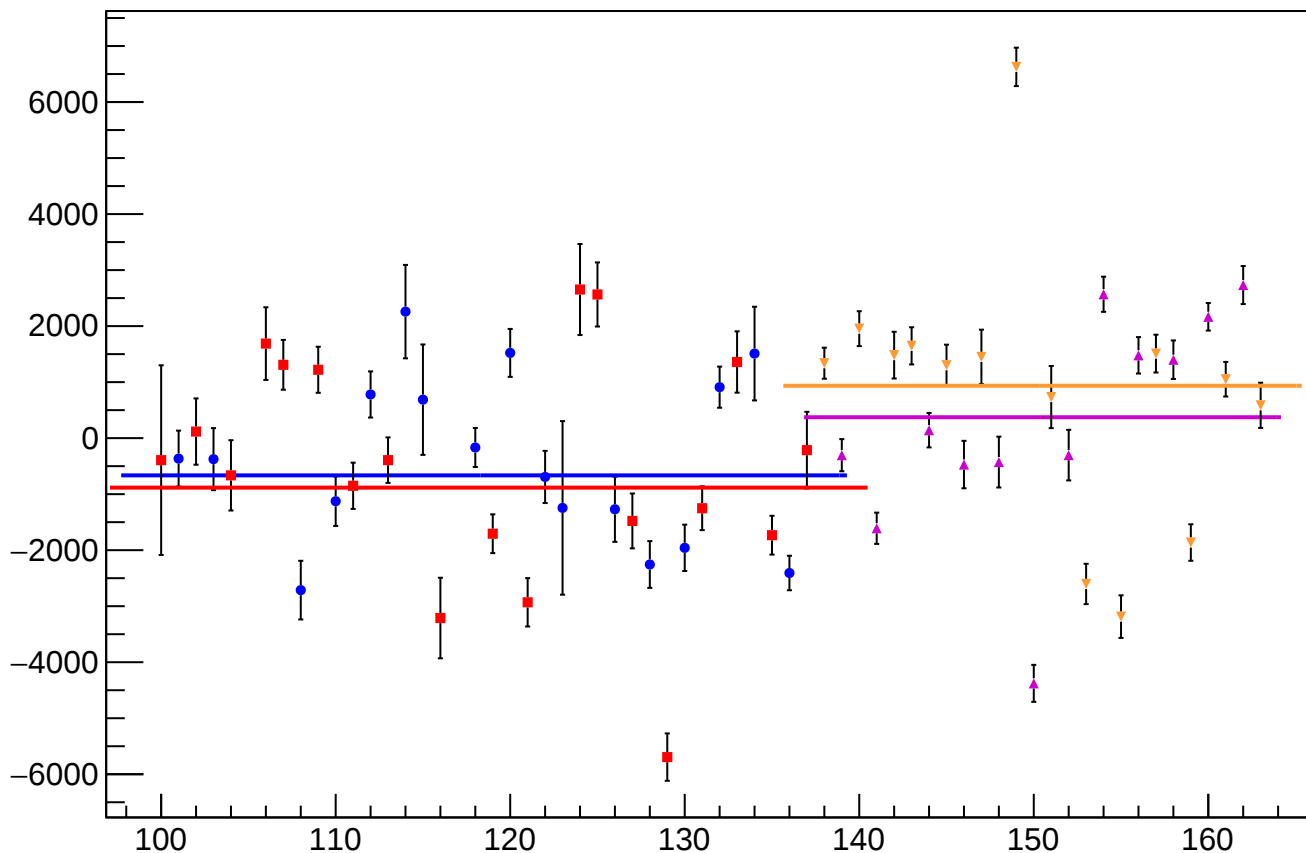
Right: 195.787+/-0.040 χ^2/NDF : 2299610.3/35

In: 195.682+/-0.036 χ^2/NDF : 1749643.8/28

Out: 203.243+/-0.036 χ^2/NDF : 2252091.3/32

All: 199.450+/-0.025 χ^2/NDF : 4023896.9/61

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -664.383 ± 113.949 $\chi^2/\text{NDF}: 154.3/16$

Left Out: 935.325 ± 94.885 $\chi^2/\text{NDF}: 588.6/13$

Right Out: -883.255 ± 110.875 $\chi^2/\text{NDF}: 320.1/18$

Left In: 373.151 ± 93.937 $\chi^2/\text{NDF}: 443.4/11$

Left: 651.414 ± 66.756 $\chi^2/\text{NDF}: 1049.7/25$

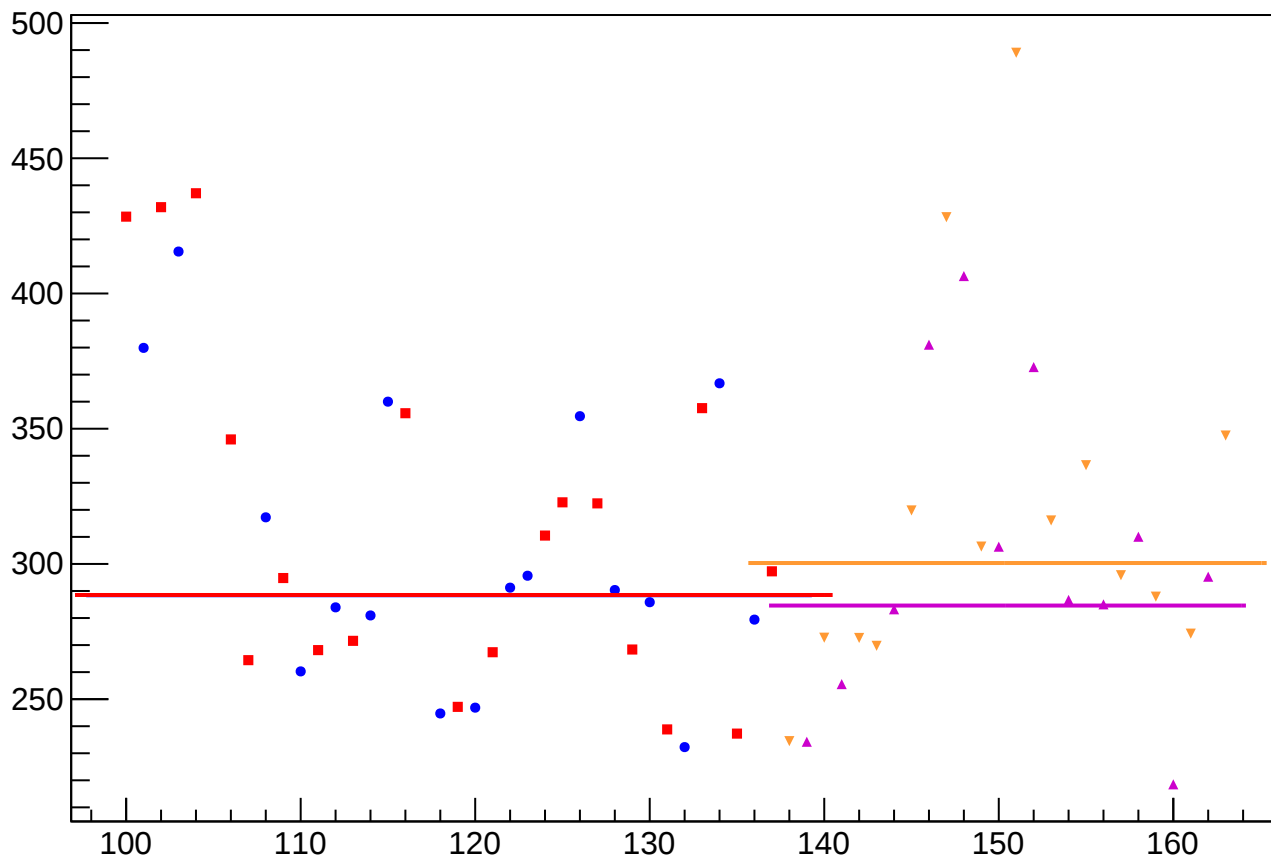
Right: -776.811 ± 79.465 $\chi^2/\text{NDF}: 476.3/35$

In: -46.656 ± 72.482 $\chi^2/\text{NDF}: 647.1/28$

Out: 166.508 ± 72.090 $\chi^2/\text{NDF}: 1063.9/32$

All: 60.504 ± 51.114 $\chi^2/\text{NDF}: 1715.3/61$

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 300.343 $\pm$ 0.067 χ^2 /NDF: 597450.1/13

Right Out: 288.522 $\pm$ 0.078 χ^2 /NDF: 455410.1/18

Left In: 284.616 $\pm$ 0.066 χ^2 /NDF: 573726.3/11

Left: 292.401 $\pm$ 0.047 χ^2 /NDF: 1198923.8/25

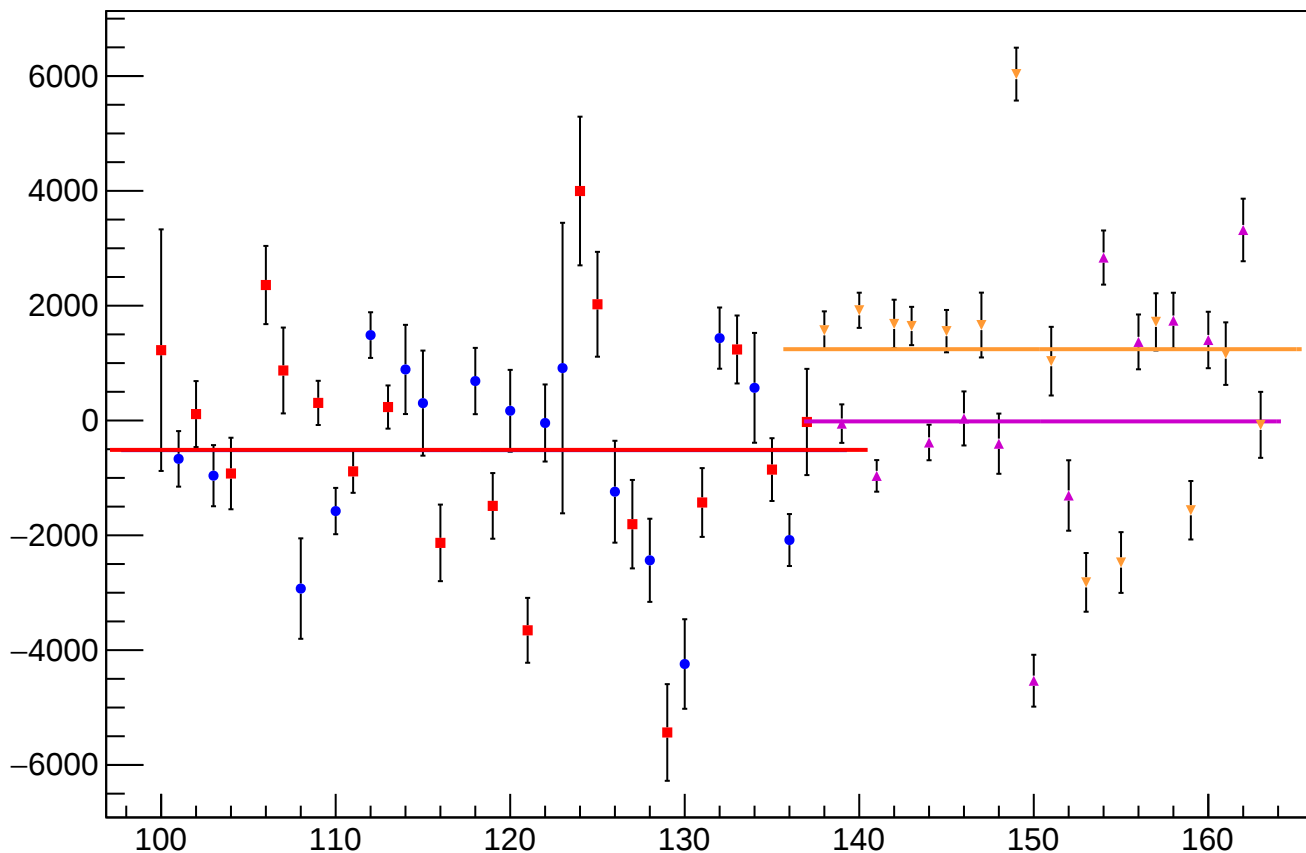
Right: 288.476 $\pm$ 0.056 χ^2 /NDF: 795230.9/35

In: 286.159 $\pm$ 0.051 χ^2 /NDF: 914878.9/28

Out: 295.346 $\pm$ 0.051 χ^2 /NDF: 1065983.3/32

All: 290.777 $\pm$ 0.036 χ^2 /NDF: 1997014.2/61

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -515.894+/-147.326 χ^2/NDF : 108.0/16

Left Out: 1242.333+/-116.173 χ^2/NDF : 267.0/13

Right Out: -511.851+/-135.798 χ^2/NDF : 141.3/18

Left In: -15.510+/-120.509 χ^2/NDF : 222.2/11

Left: 636.448+/-83.638 χ^2/NDF : 545.6/25

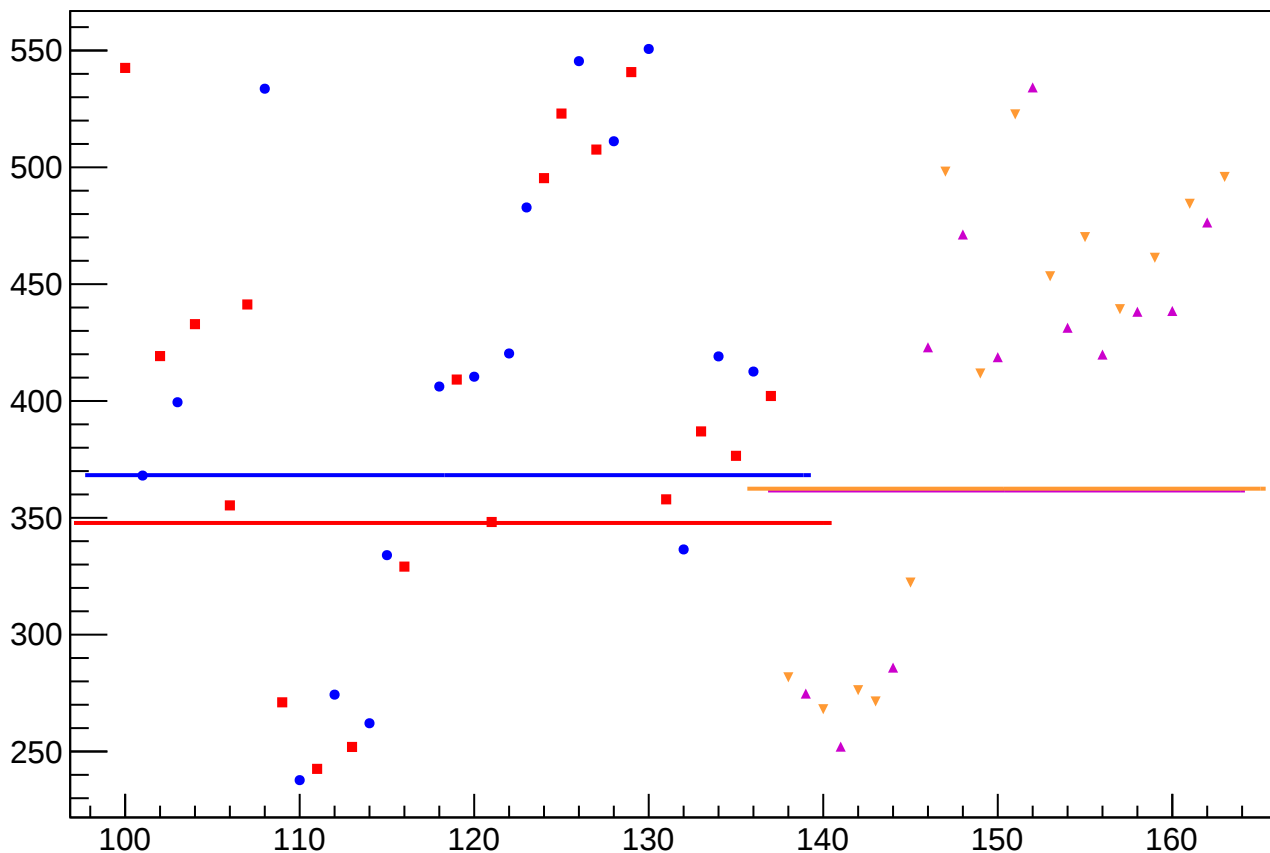
Right: -513.708+/-99.851 χ^2/NDF : 249.3/35

In: -216.098+/-93.278 χ^2/NDF : 337.1/28

Out: 501.046+/-88.278 χ^2/NDF : 504.6/32

All: 162.212+/-64.117 χ^2/NDF : 872.9/61

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 362.467+/-0.082 χ^2/NDF : 1324445.3/13

Right Out: 347.802+/-0.096 χ^2/NDF : 821862.5/18

Left In: 361.700+/-0.085 χ^2/NDF : 1143097.8/11

Left: 362.098+/-0.059 χ^2/NDF : 2467585.2/25

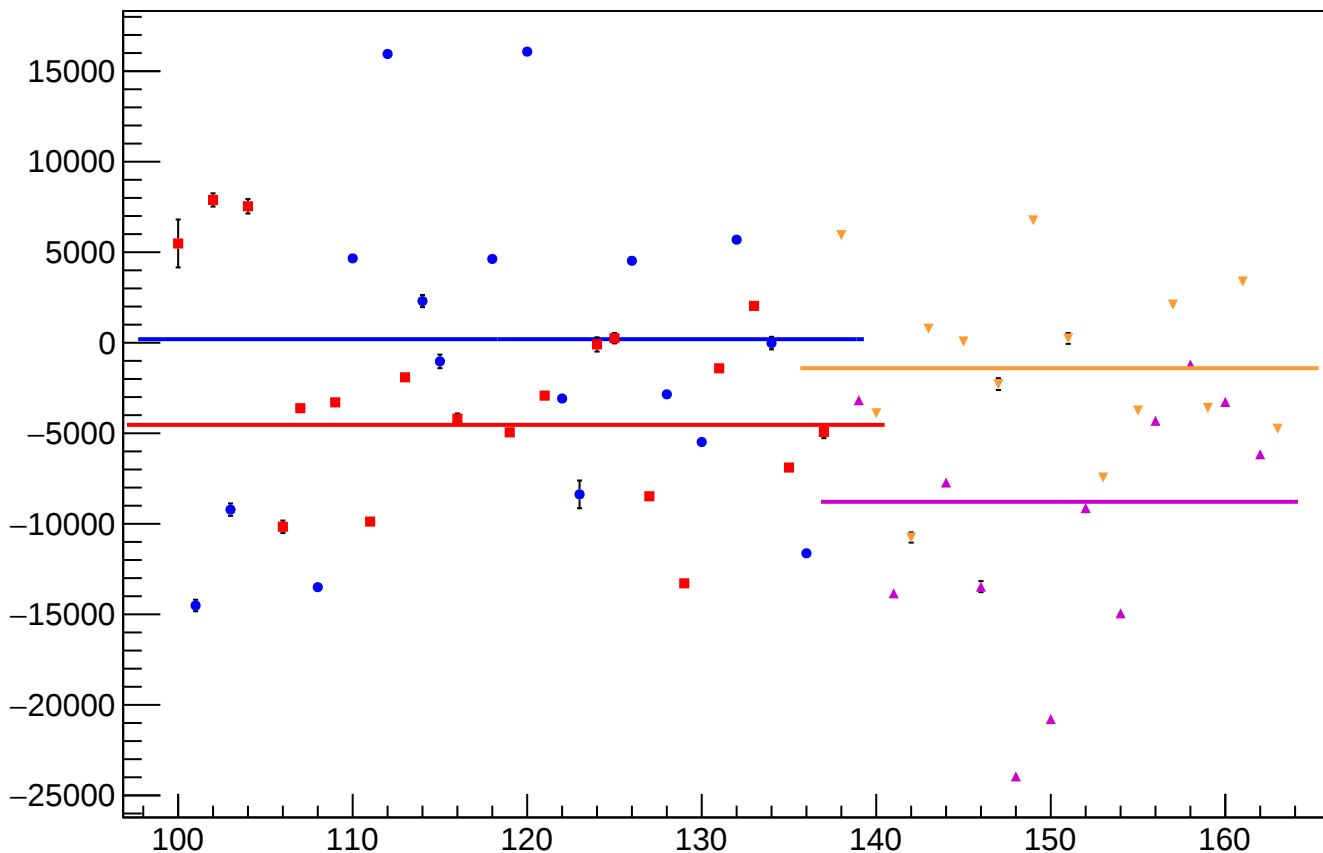
Right: 357.201+/-0.071 χ^2/NDF : 1612837.5/35

In: 364.331+/-0.066 χ^2/NDF : 1915593.2/28

Out: 356.270+/-0.062 χ^2/NDF : 2159776.0/32

All: 360.079+/-0.045 χ^2/NDF : 4083248.9/61

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008 $\pm$ 54.799 χ^2/NDF : 30658.3/16

Left Out: -1405.497 $\pm$ 53.485 χ^2/NDF : 7572.5/13

Right Out: -4534.200 $\pm$ 52.462 χ^2/NDF : 7477.2/18

Left In: -8783.759 $\pm$ 56.371 χ^2/NDF : 14007.7/11

Left: -4900.924 $\pm$ 38.800 χ^2/NDF : 30595.7/25

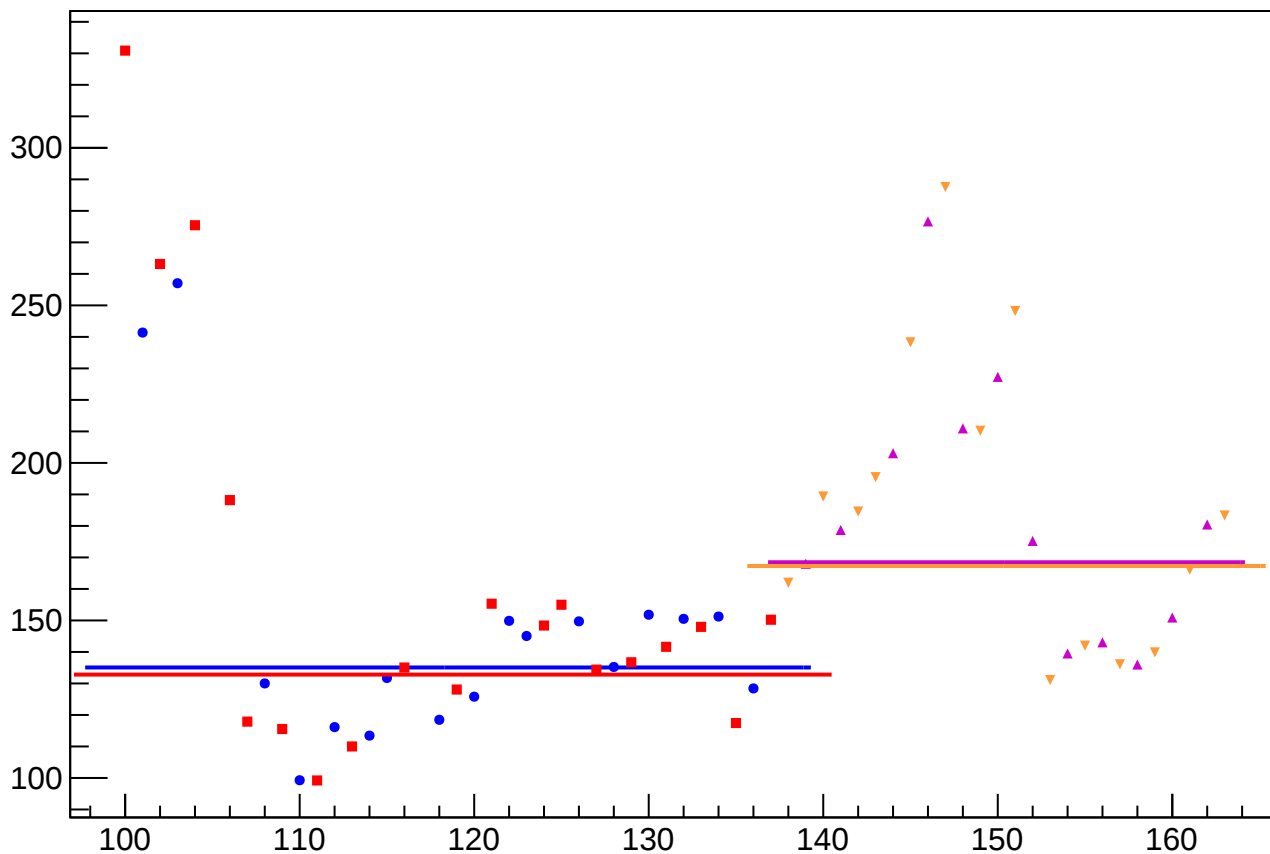
Right: -2271.626 $\pm$ 37.895 χ^2/NDF : 42025.0/35

In: -4166.349 $\pm$ 39.293 χ^2/NDF : 57715.6/28

Out: -3000.071 $\pm$ 37.453 χ^2/NDF : 16793.8/32

All: -3555.263 $\pm$ 27.110 χ^2/NDF : 74971.0/61

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 167.280 $\pm$ 0.038 χ^2 /NDF:1000747.6/13

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

Left In: 168.469 $\pm$ 0.040 χ^2 /NDF:720135.1/11

Left: 167.843 $\pm$ 0.027 χ^2 /NDF: 1721350.7/25

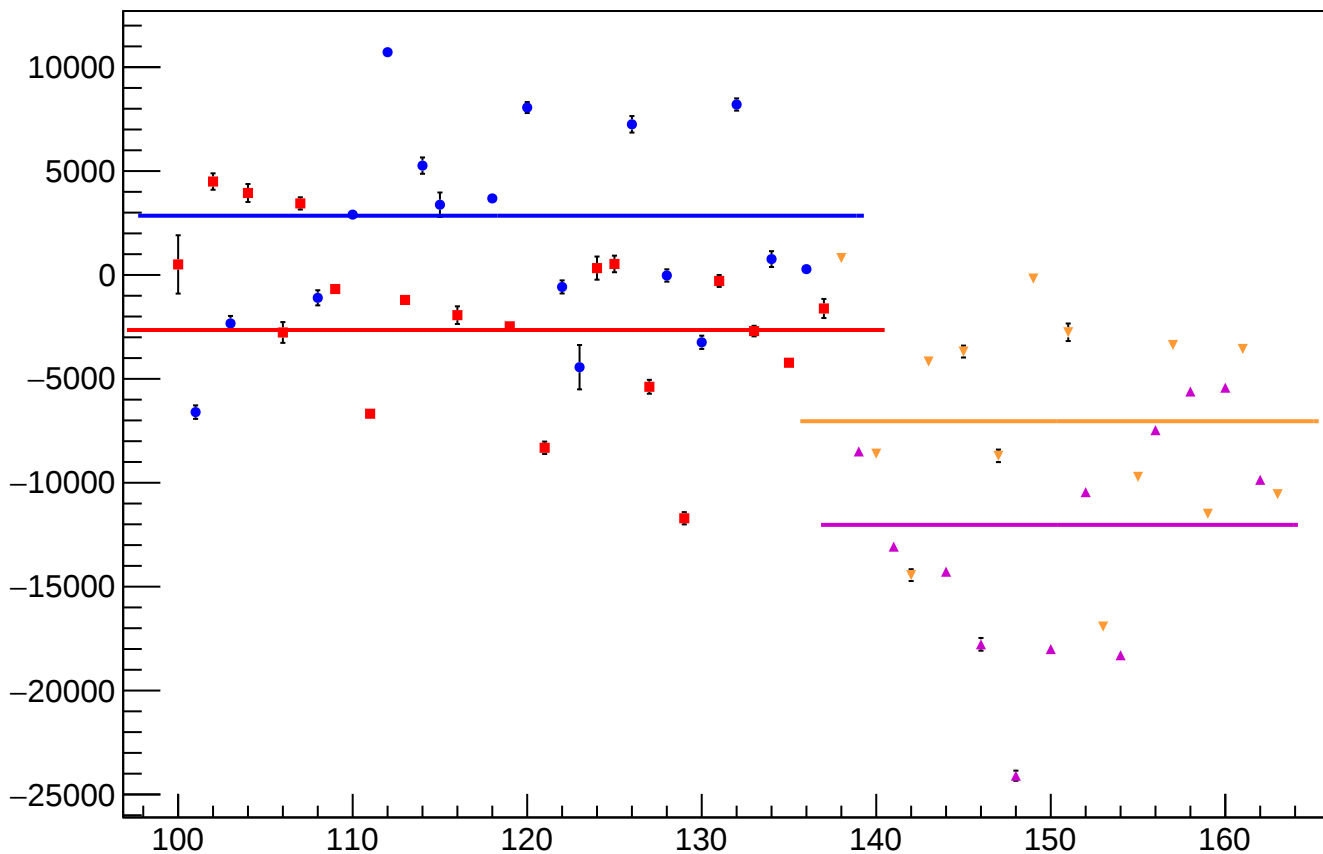
Right: 133.895 $\pm$ 0.027 χ^2 /NDF: 1491663.0/35

In: 151.298 $\pm$ 0.028 χ^2 /NDF:1739759.0/28

Out: 149.715 $\pm$ 0.026 χ^2 /NDF:2255160.0/32

All: 150.469 $\pm$ 0.019 χ^2 /NDF: 3996619.3/61

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 ± 70.753 $\chi^2/\text{NDF}: 4178.1/16$

Left Out: -7038.282 ± 61.599 $\chi^2/\text{NDF}: 7653.4/13$

Right Out: -2649.142 ± 65.731 $\chi^2/\text{NDF}: 3175.7/18$

Left In: -12026.439 ± 56.755 $\chi^2/\text{NDF}: 9355.8/11$

Left: -9736.157 ± 41.740 $\chi^2/\text{NDF}: 20555.8/25$

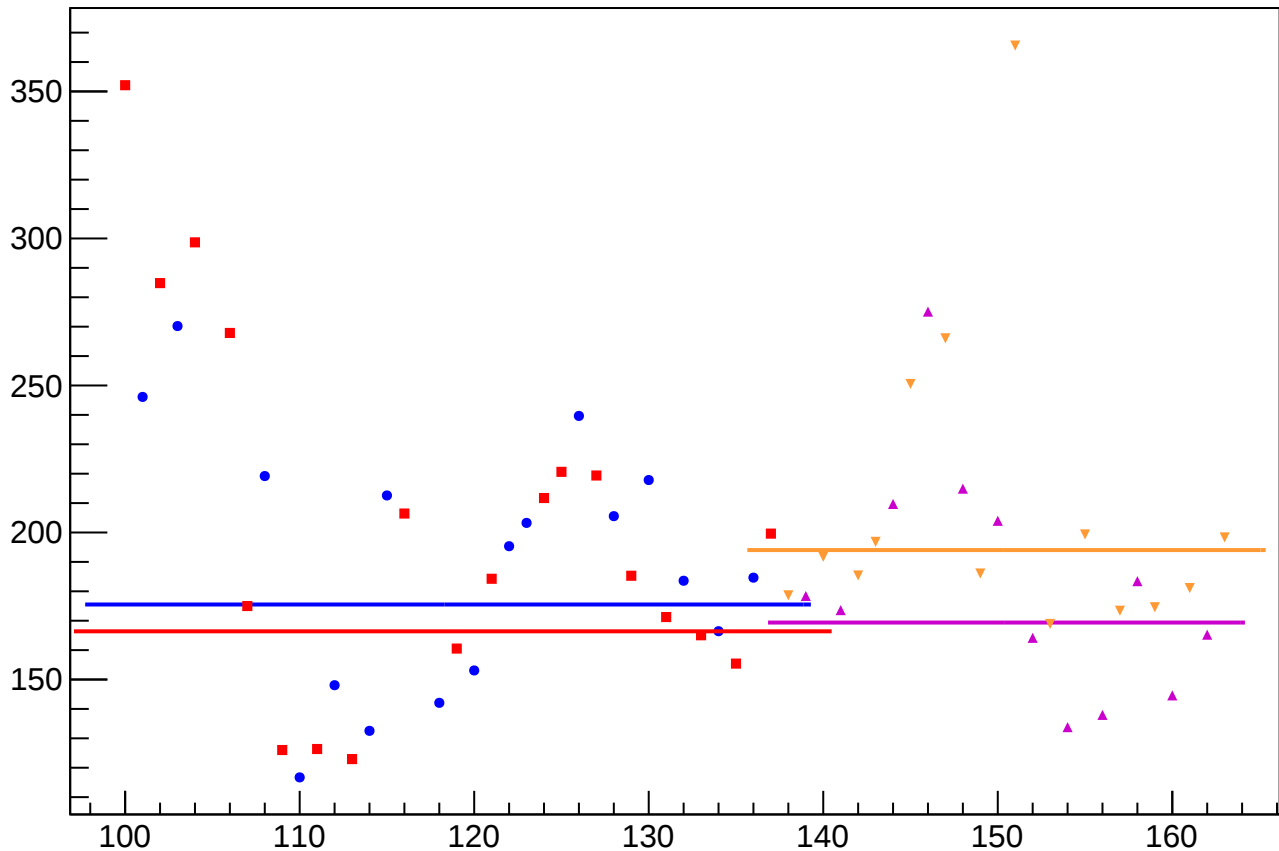
Right: -100.998 ± 48.156 $\chi^2/\text{NDF}: 10597.9/35$

In: -6201.355 ± 44.272 $\chi^2/\text{NDF}: 40438.7/28$

Out: -4985.990 ± 44.947 $\chi^2/\text{NDF}: 13203.1/32$

All: -5602.866 ± 31.541 $\chi^2/\text{NDF}: 54012.9/61$

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 194.027+/-0.044 χ^2/NDF : 620297.7/13

Right Out: 166.393+/-0.046 χ^2/NDF : 929534.5/18

Left In: 169.375+/-0.040 χ^2/NDF : 675357.8/11

Left: 180.694+/-0.030 χ^2/NDF : 1468904.3/25

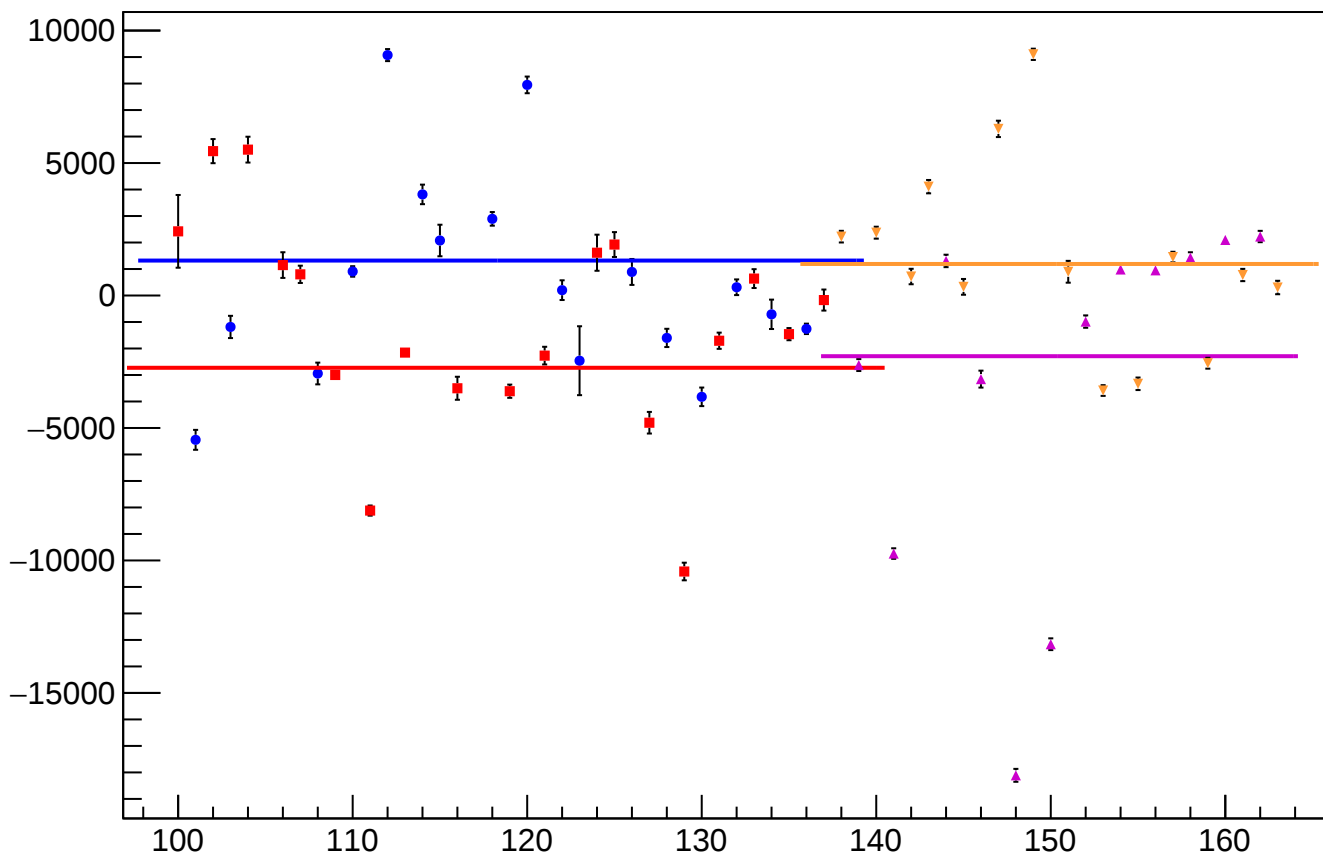
Right: 170.618+/-0.034 χ^2/NDF : 1637018.2/35

In: 171.779+/-0.031 χ^2/NDF : 1374161.7/28

Out: 181.106+/-0.032 χ^2/NDF : 1738042.6/32

All: 176.372+/-0.022 χ^2/NDF : 3155917.3/61

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1190.162+/-64.203 χ^2/NDF :3116.6/13

Right Out: -2727.798+/-70.029 χ^2/NDF : 2495.9/18

Left In: -2290.621+/-58.822 χ^2/NDF :10568.5/11

Left: -702.207+/-43.371 χ^2/NDF : 15283.1/25

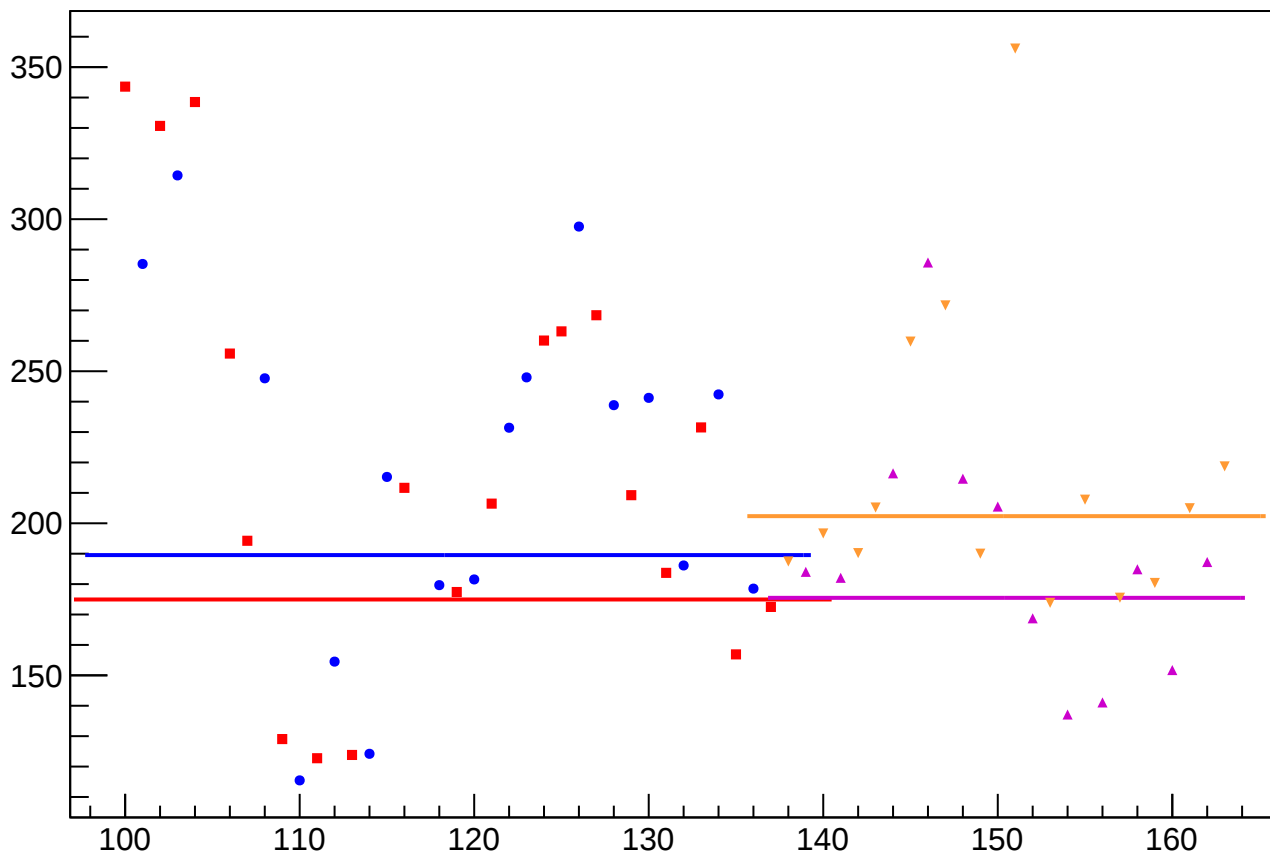
Right: -899.614+/-51.852 χ^2/NDF : 6671.5/35

In: -963.593+/-46.776 χ^2/NDF :14619.9/28

Out: -599.091+/-47.324 χ^2/NDF :7313.2/32

All: -783.468+/-33.268 χ^2/NDF : 21963.2/61

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 +/- 0.055 χ^2/NDF : 980744.6/16

Left Out: 202.346 +/- 0.045 χ^2/NDF : 582333.9/13

Right Out: 174.944 +/- 0.050 χ^2/NDF : 1297106.6/18

Left In: 175.486 +/- 0.042 χ^2/NDF : 660090.4/11

Left: 187.743 +/- 0.031 χ^2/NDF : 1432738.0/25

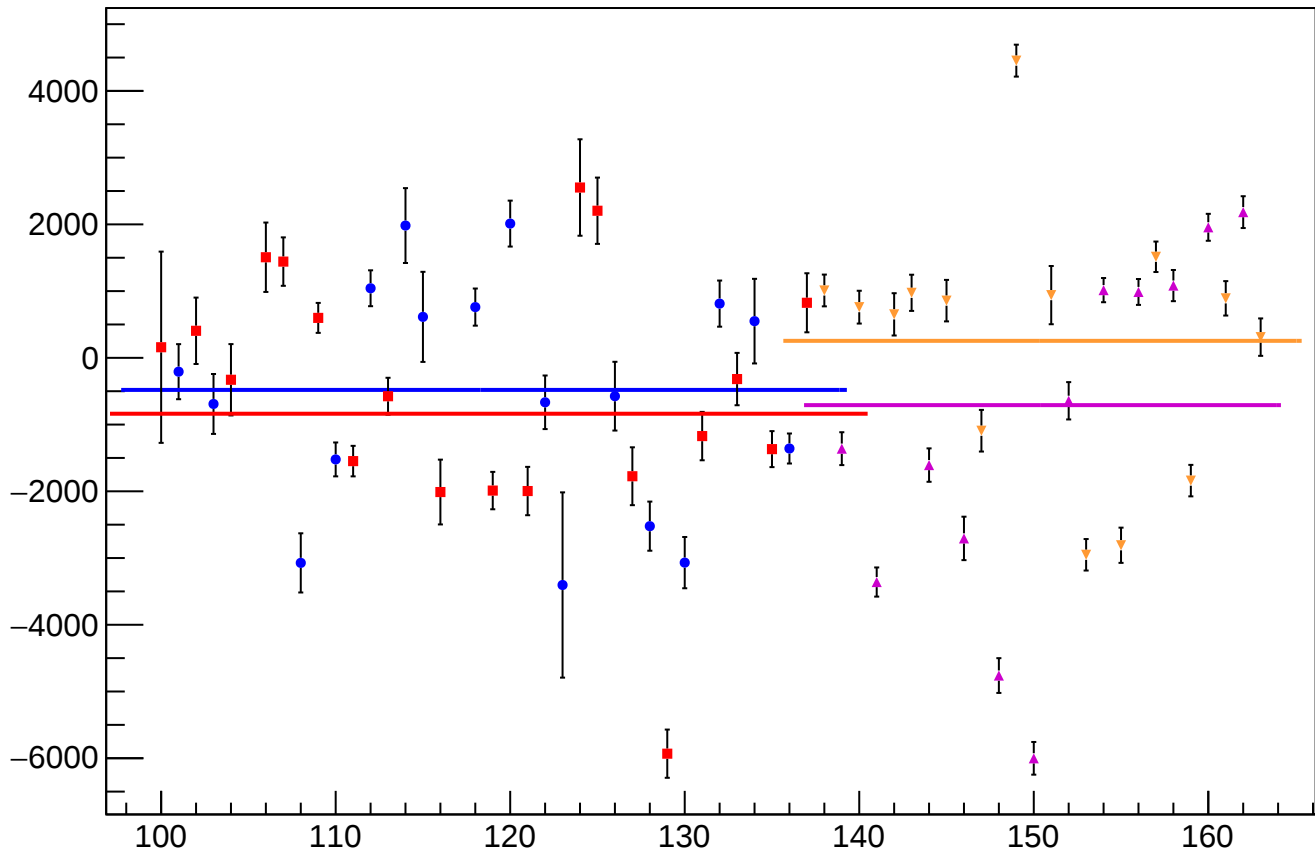
Right: 181.540 +/- 0.037 χ^2/NDF : 2317127.7/35

In: 180.654 +/- 0.033 χ^2/NDF : 1682838.0/28

Out: 189.832 +/- 0.033 χ^2/NDF : 2045820.3/32

All: 185.189 +/- 0.024 χ^2/NDF : 3766707.2/61

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578±/88.640 χ^2/NDF : 290.7/16

Left Out: 254.797±/71.009 χ^2/NDF :790.4/13

Right Out: -837.442±/82.243 χ^2/NDF : 435.3/18

Left In: -708.645±/66.748 χ^2/NDF :1460.5/11

Left: -256.697±/48.635 χ^2/NDF : 2348.6/25

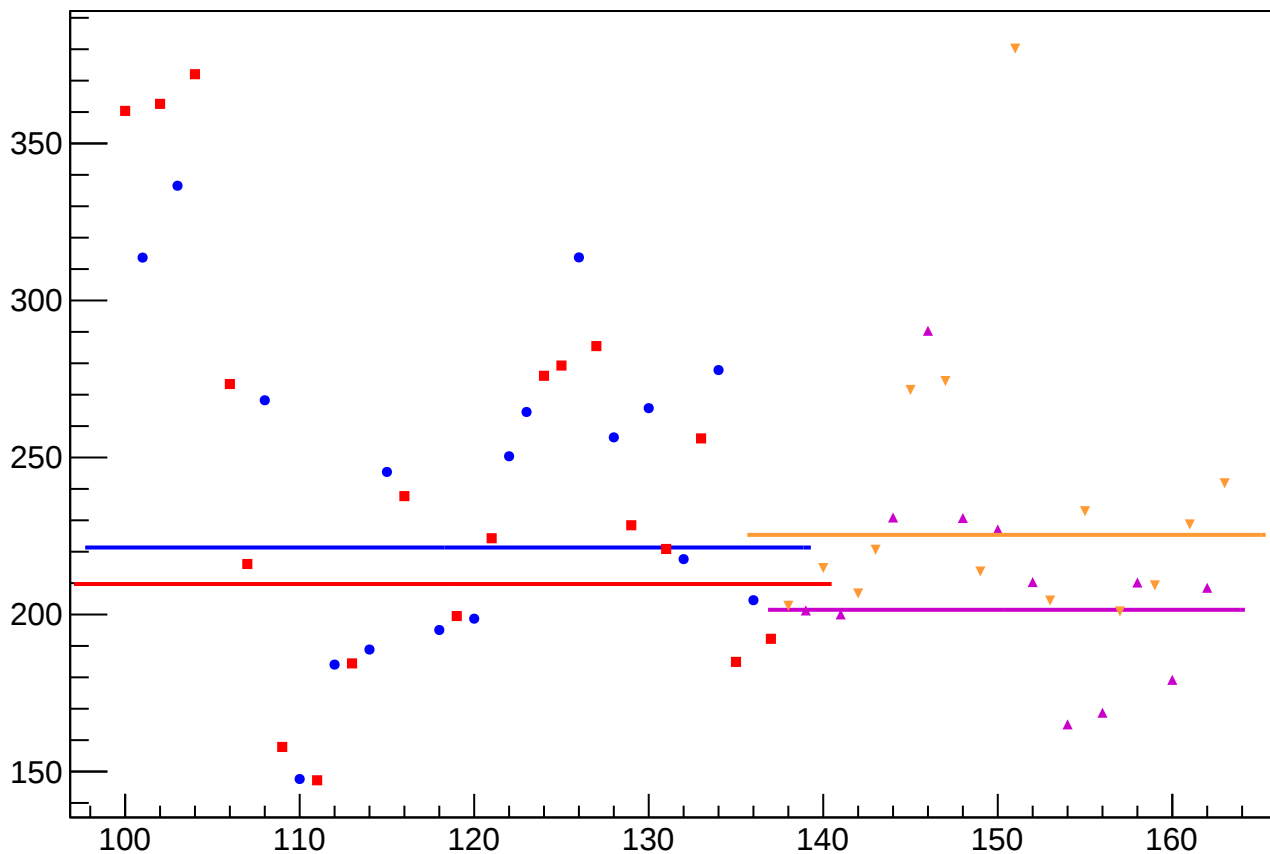
Right: -672.351±/60.290 χ^2/NDF : 734.7/35

In: -626.118±/53.321 χ^2/NDF :1755.5/28

Out: -211.686±/53.748 χ^2/NDF :1326.7/32

All: -420.553±/37.854 χ^2/NDF : 3112.2/61

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 225.364 $\pm$ 0.050 χ^2 /NDF: 435866.7/13

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

Left In: 201.505 $\pm$ 0.047 χ^2 /NDF: 392594.3/11

Left: 212.697 $\pm$ 0.034 χ^2 /NDF: 948339.2/25

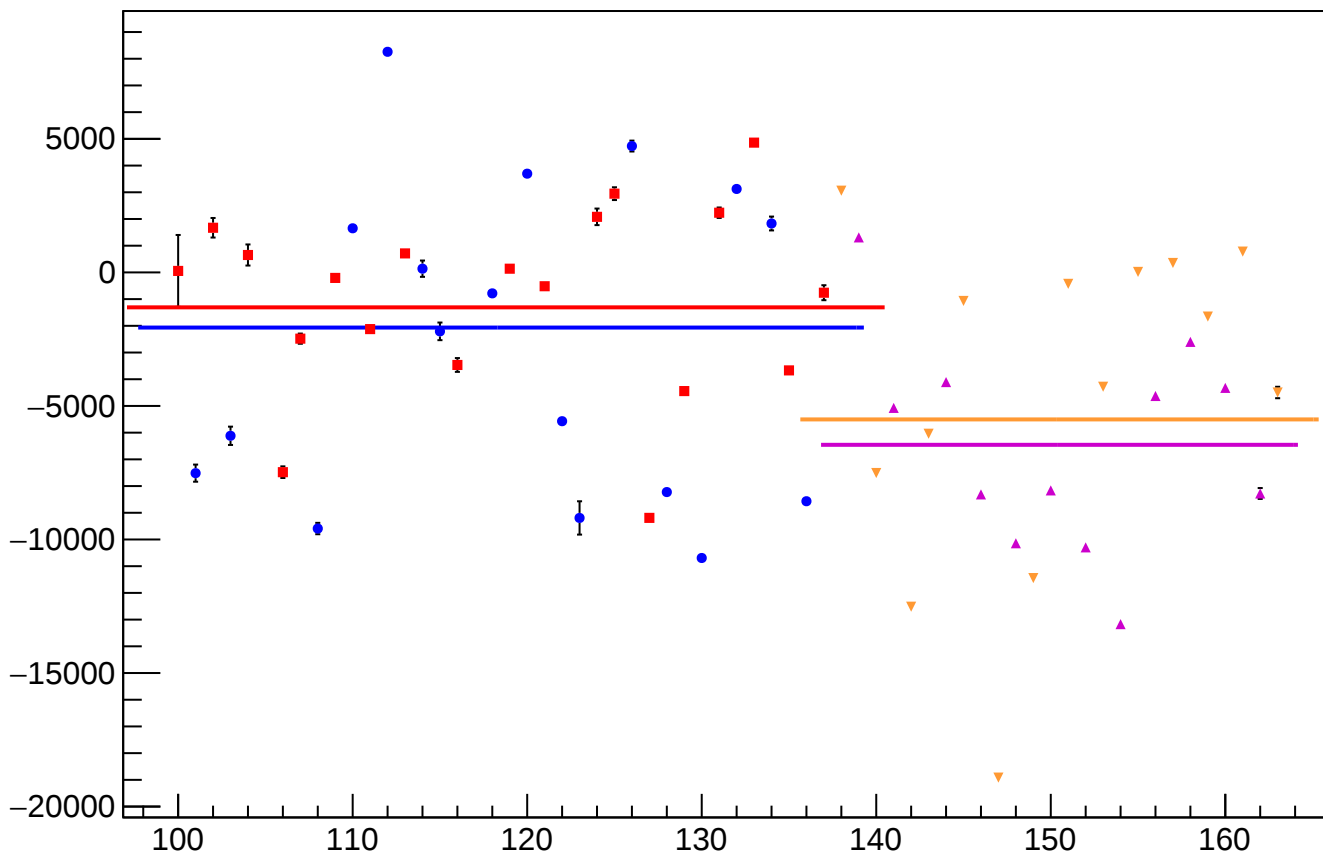
Right: 215.095 $\pm$ 0.043 χ^2 /NDF: 1548093.3/35

In: 208.683 $\pm$ 0.038 χ^2 /NDF: 1102204.3/28

Out: 218.681 $\pm$ 0.038 χ^2 /NDF: 1361263.5/32

All: 213.642 $\pm$ 0.027 χ^2 /NDF: 2498348.4/61

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 $\pm$ 47.322 χ^2/NDF : 16533.3/16

Left Out: -5504.459 $\pm$ 38.476 χ^2/NDF : 28162.0/13

Right Out: -1308.512 $\pm$ 45.001 χ^2/NDF : 5894.4/18

Left In: -6455.789 $\pm$ 39.960 χ^2/NDF : 8747.7/11

Left: -5962.137 $\pm$ 27.717 χ^2/NDF : 37203.8/25

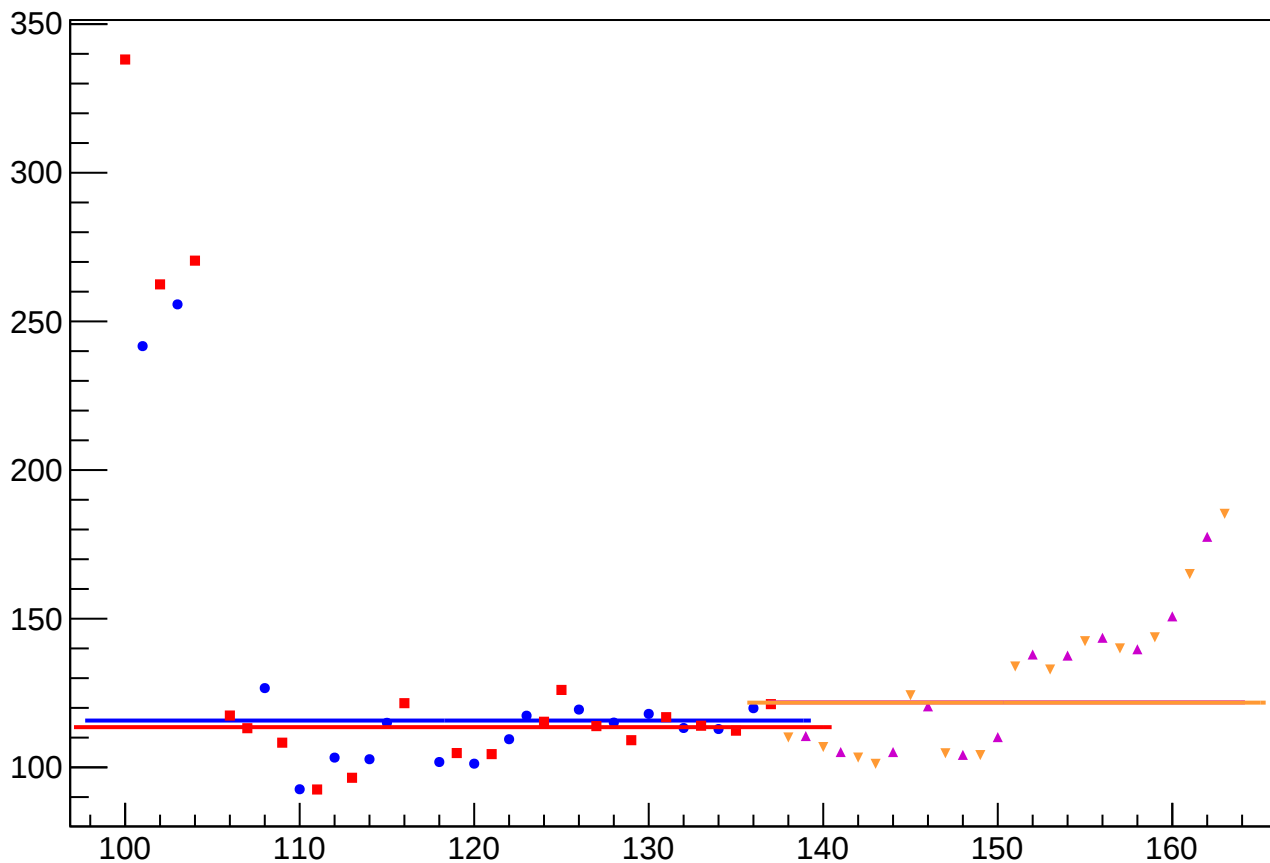
Right: -1667.825 $\pm$ 32.610 χ^2/NDF : 22561.9/35

In: -4628.206 $\pm$ 30.531 χ^2/NDF : 30306.2/28

Out: -3732.455 $\pm$ 29.244 χ^2/NDF : 39078.7/32

All: -4161.058 $\pm$ 21.119 χ^2/NDF : 69833.9/61

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 $\pm$ 0.033 χ^2/NDF : 744017.7/16

Left Out: 121.768 $\pm$ 0.027 χ^2/NDF : 617493.4/13

Right Out: 113.519 $\pm$ 0.032 χ^2/NDF : 796640.6/18

Left In: 121.851 $\pm$ 0.028 χ^2/NDF : 476586.7/11

Left: 121.808 $\pm$ 0.020 χ^2/NDF : 1094084.7/25

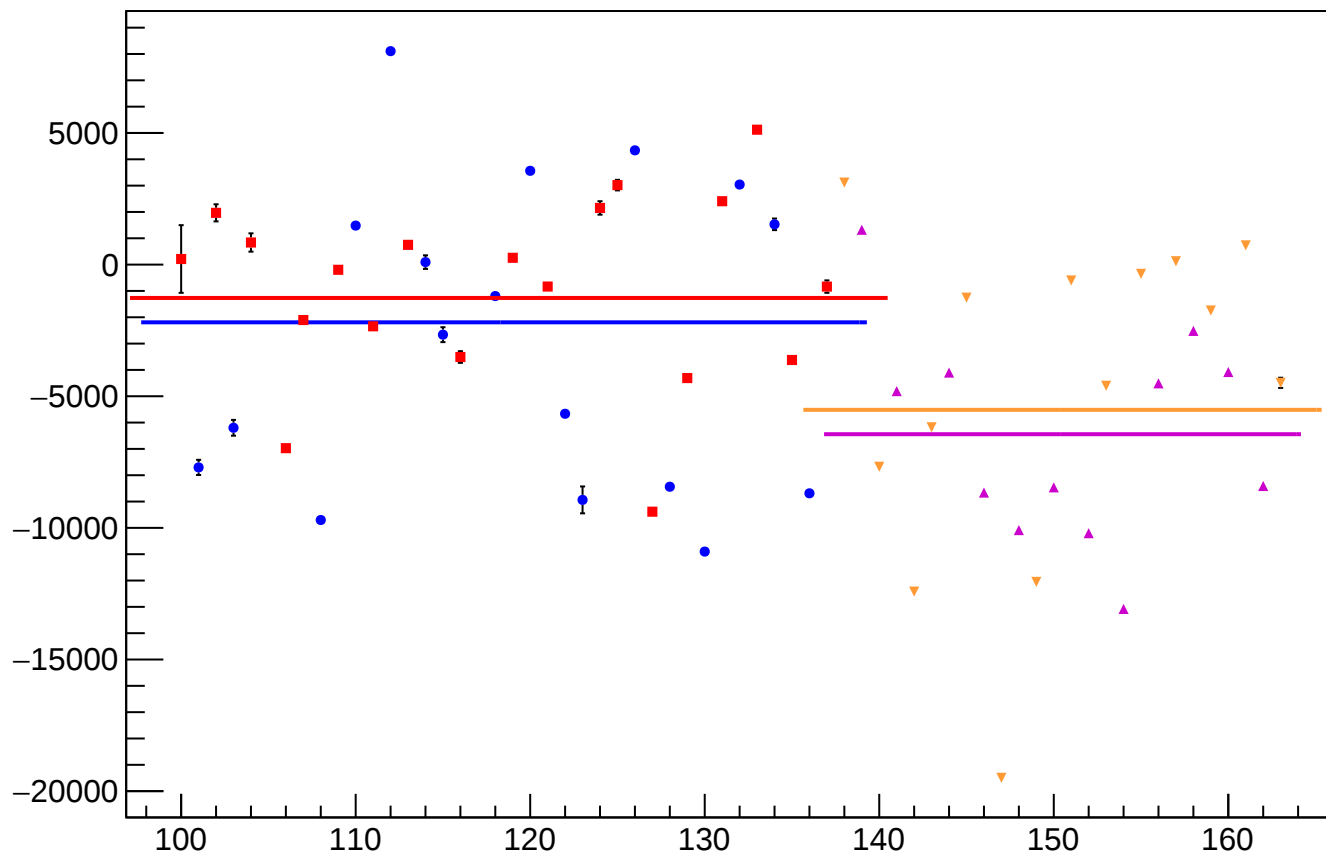
Right: 114.574 $\pm$ 0.023 χ^2/NDF : 1542972.7/35

In: 119.308 $\pm$ 0.022 χ^2/NDF : 1240073.3/28

Out: 118.284 $\pm$ 0.021 χ^2/NDF : 1452955.0/32

All: 118.774 $\pm$ 0.015 χ^2/NDF : 2694200.4/61

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2192.327+/-39.944 χ^2 /NDF: 22813.5/16

Left Out: -5516.425+/-34.815 χ^2 /NDF:34228.5/13

Right Out: -1266.189+/-38.048 χ^2 /NDF: 8550.5/18

Left In: -6442.066+/-36.610 χ^2 /NDF:10919.7/11

Left: -5955.996+/-25.229 χ^2 /NDF: 45483.9/25

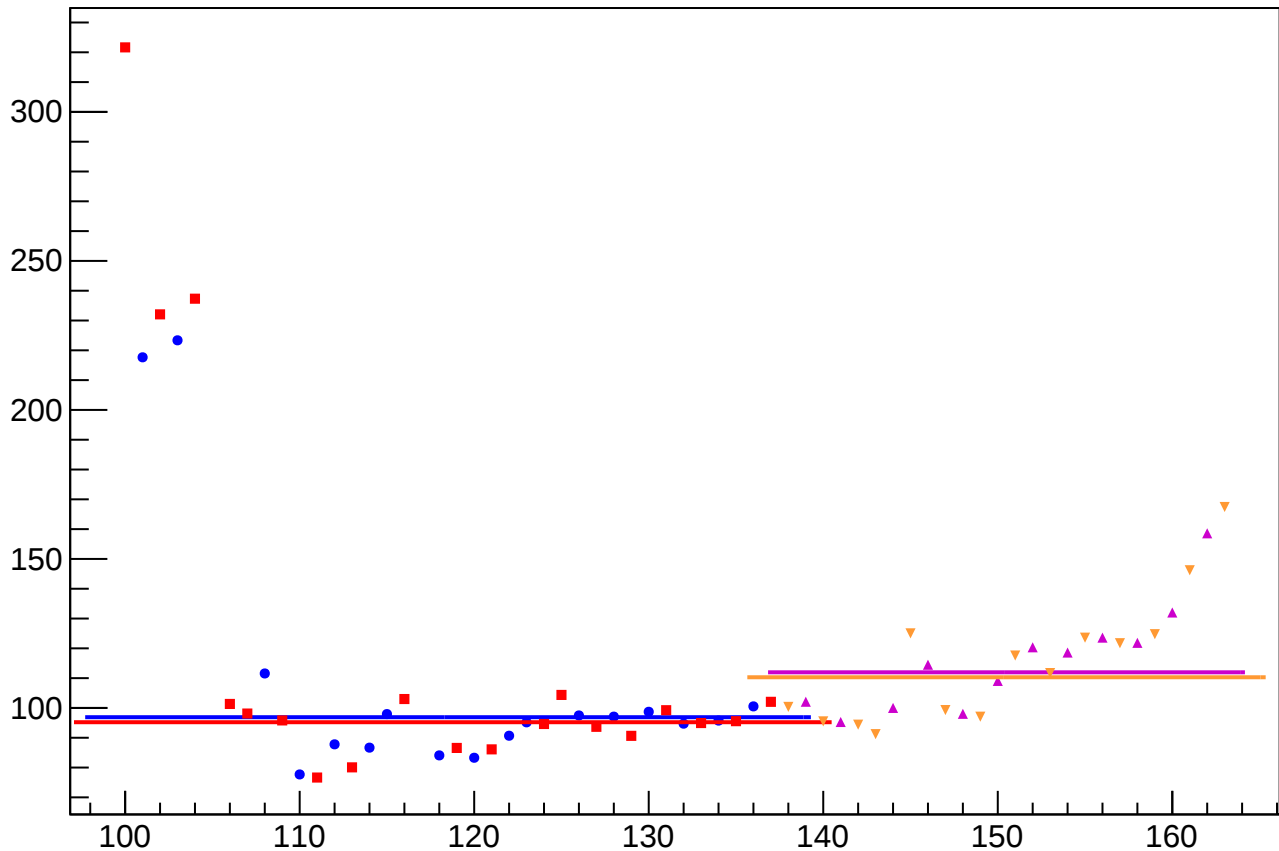
Right: -1706.759+/-27.550 χ^2 /NDF: 31645.9/35

In: -4501.913+/-26.989 χ^2 /NDF:39884.9/28

Out: -3579.528+/-25.685 χ^2 /NDF:49570.8/32

All: -4017.899+/-18.606 χ^2 /NDF: 90068.6/61

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 110.295+/-0.025 χ^2/NDF : 526750.1/13

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

Left In: 111.961+/-0.026 χ^2/NDF : 325691.2/11

Left: 111.086+/-0.018 χ^2/NDF : 854616.6/25

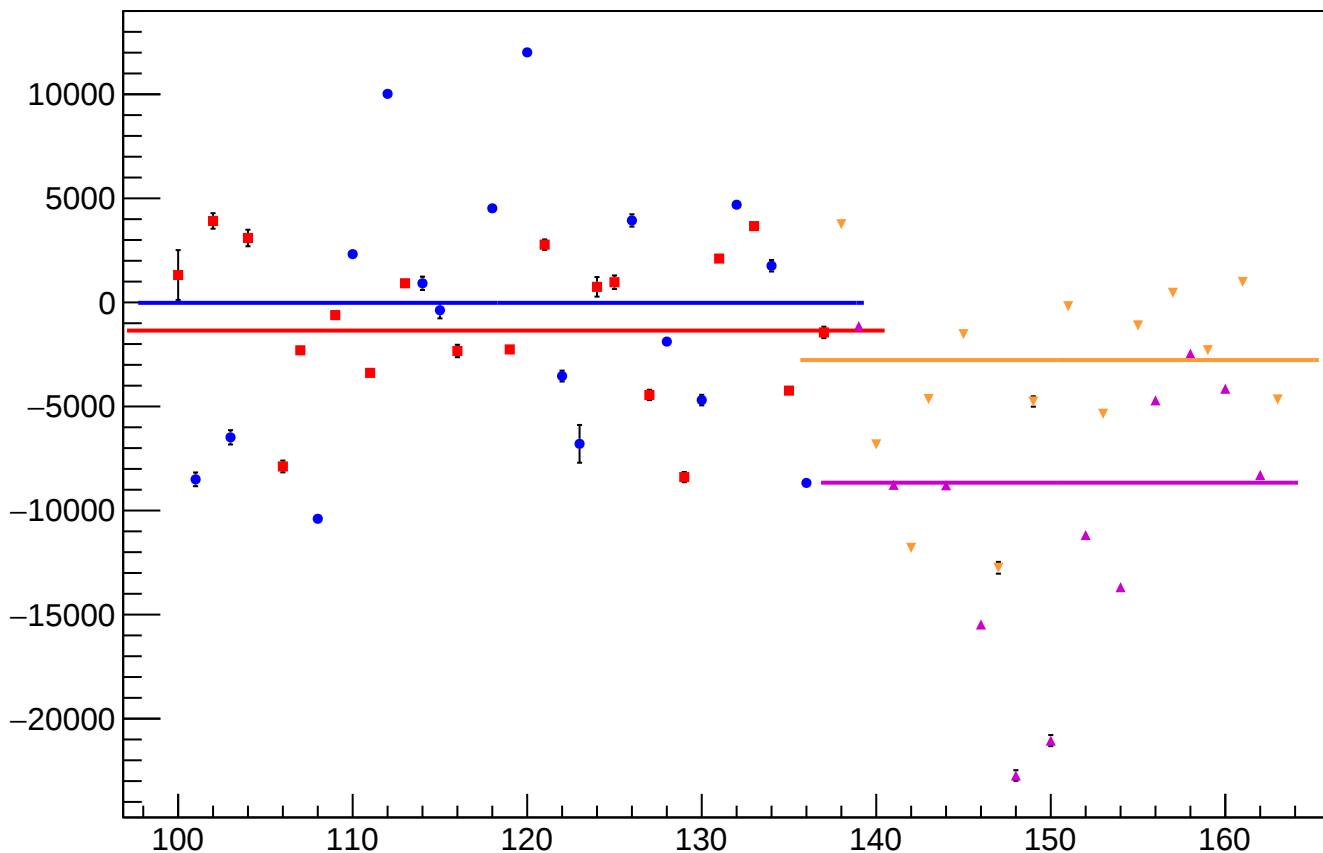
Right: 96.013+/-0.019 χ^2/NDF : 1678895.4/35

In: 105.082+/-0.019 χ^2/NDF : 1297567.6/28

Out: 103.422+/-0.018 χ^2/NDF : 1557581.9/32

All: 104.211+/-0.013 χ^2/NDF : 2859121.2/61

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -2769.329 ± 49.289 $\chi^2/\text{NDF}: 6705.8/13$

Right Out: -1353.461 ± 52.367 $\chi^2/\text{NDF}: 3837.2/18$

Left In: -8661.897 ± 52.886 $\chi^2/\text{NDF}: 11954.0/11$

Left: -5508.421 ± 36.057 $\chi^2/\text{NDF}: 25303.7/25$

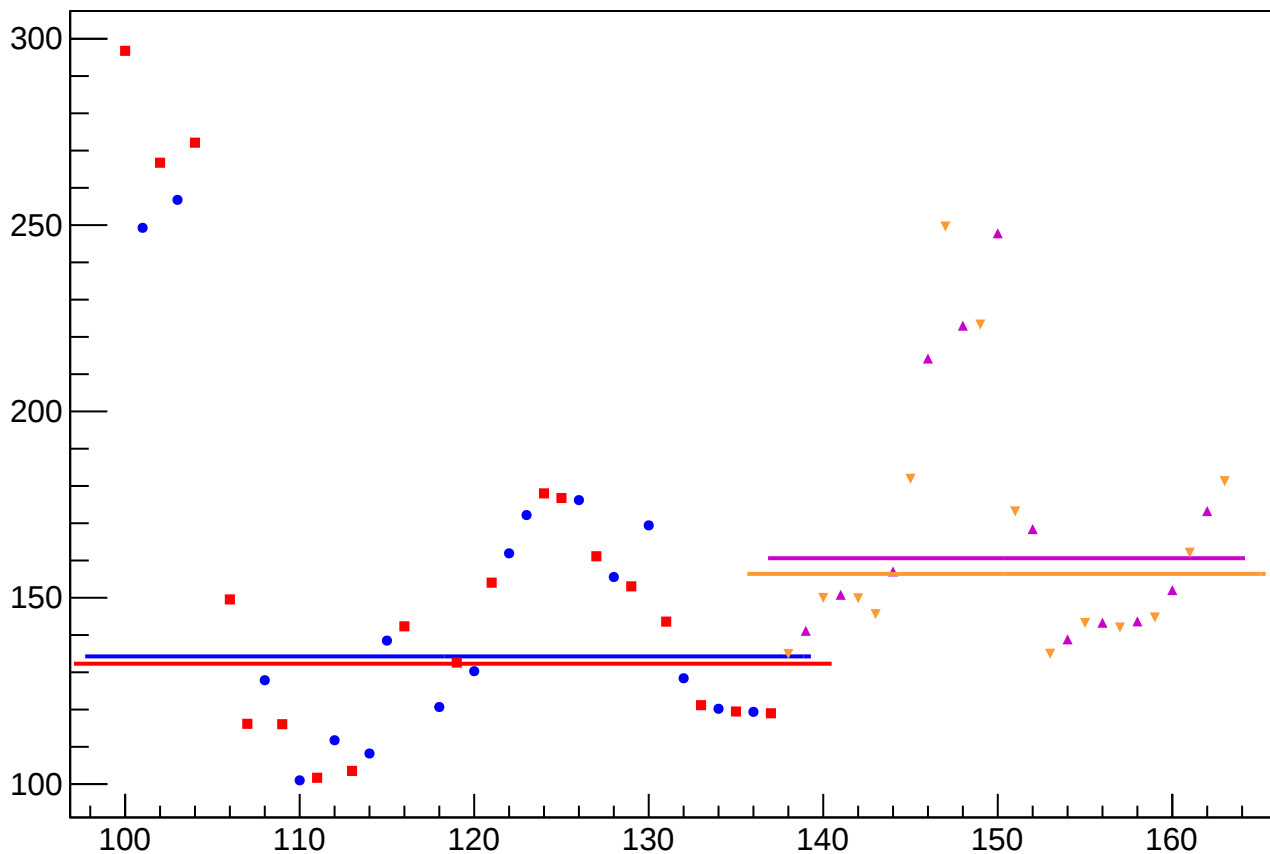
Right: -715.084 ± 37.808 $\chi^2/\text{NDF}: 20508.6/35$

In: -4482.185 ± 38.002 $\chi^2/\text{NDF}: 41229.7/28$

Out: -2104.229 ± 35.891 $\chi^2/\text{NDF}: 10930.6/32$

All: -3225.332 ± 26.093 $\chi^2/\text{NDF}: 54229.9/61$

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 156.407 $\pm$ 0.035 χ^2 /NDF: 562573.1/13

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

Left In: 160.612 $\pm$ 0.037 χ^2 /NDF: 570587.0/11

Left: 158.362 $\pm$ 0.025 χ^2 /NDF: 1139928.1/25

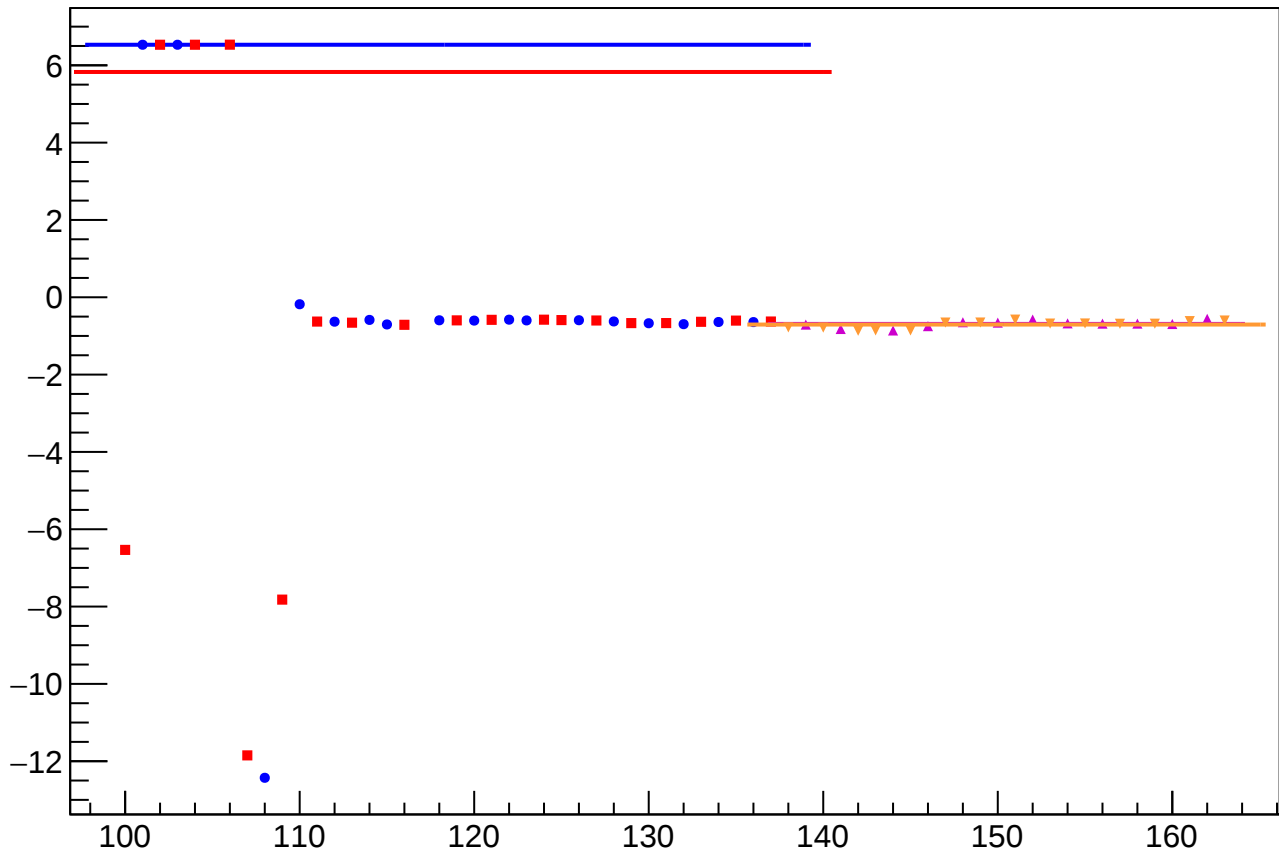
Right: 133.243 $\pm$ 0.027 χ^2 /NDF: 1659888.5/35

In: 147.871 $\pm$ 0.027 χ^2 /NDF: 1599273.2/28

Out: 145.084 $\pm$ 0.025 χ^2 /NDF: 1657168.2/32

All: 146.398 $\pm$ 0.018 χ^2 /NDF: 3262126.0/61

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.706 $\pm$ 0.000 χ^2 /NDF: 93995052.8/13

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755948646460090.5/18

Left In: -0.689 $\pm$ 0.000 χ^2 /NDF: 73304625.6/11

Left: -0.698 $\pm$ 0.000 χ^2 /NDF: 168511171.5/25

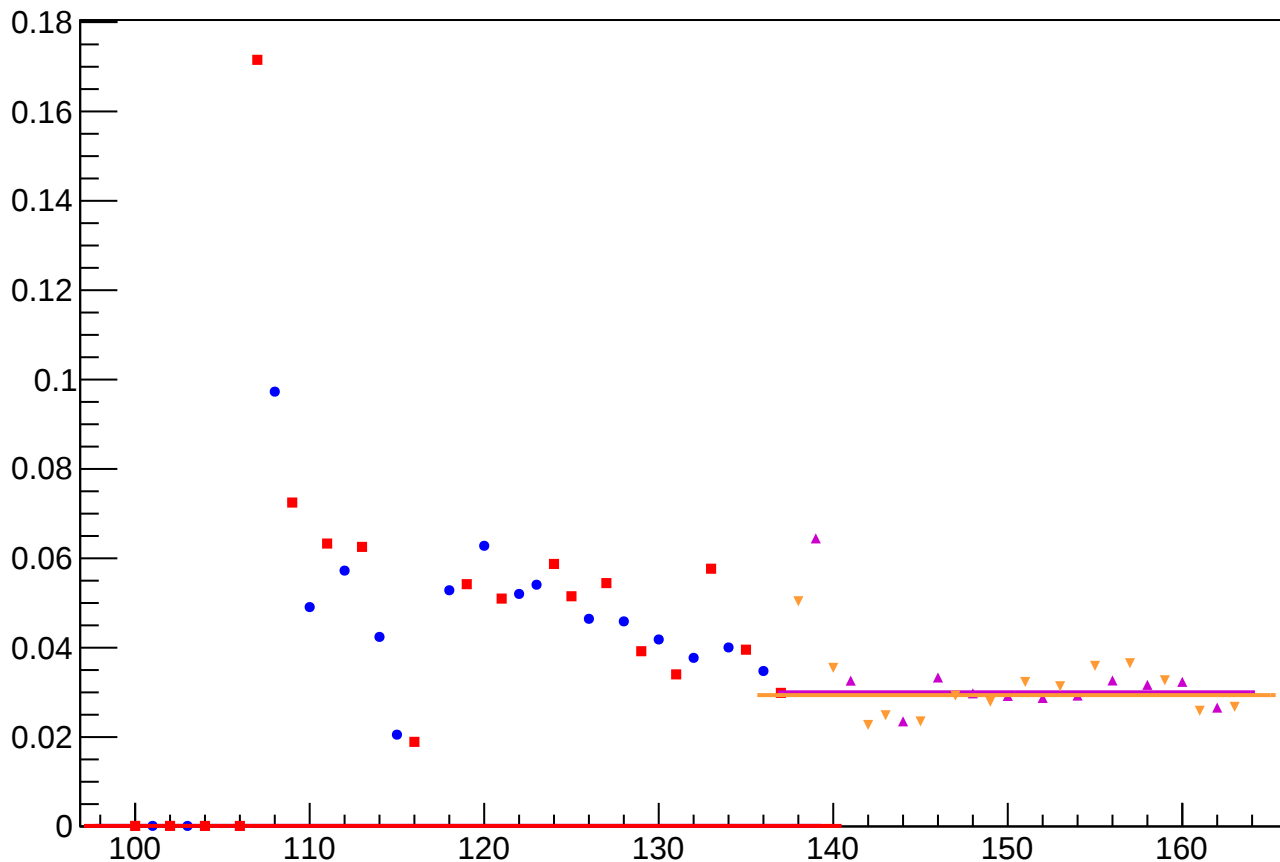
Right: 6.155 $\pm$ 0.000 χ^2 /NDF: 776079822212880.5/25

In: 6.531 $\pm$ 0.000 χ^2 /NDF: 575557802736.9/28

Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 756356995019091.1/30

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77693225542606.0/50

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.029+/-0.000 χ^2/NDF : 561972.2/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

Left In: 0.030+/-0.000 χ^2/NDF : 536711.8/11

Left: 0.030+/-0.000 χ^2/NDF : 1102227.2/25

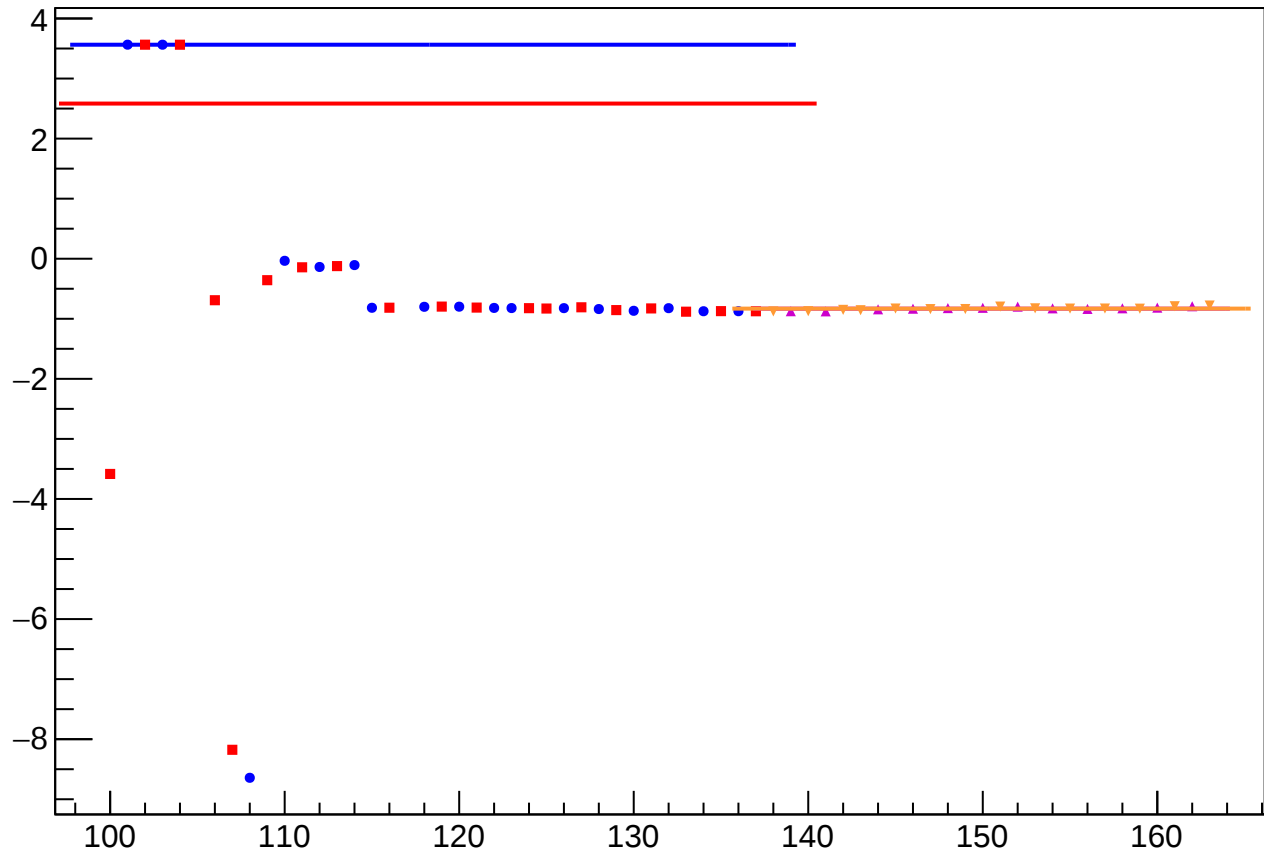
Right: 0.000+/-0.000 χ^2/NDF : 18402211.3/35

In: 0.000+/-0.000 χ^2/NDF : 24903397.6/28

Out: 0.000+/-0.000 χ^2/NDF : 26321021.8/32

All: 0.000+/-0.000 χ^2/NDF : 51224721.4/61

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.831+/-0.000 χ^2/NDF : 101547639.3/13

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

Left In: -0.832+/-0.000 χ^2/NDF : 71665330.7/11

Left: -0.831+/-0.000 χ^2/NDF : 173275055.8/25

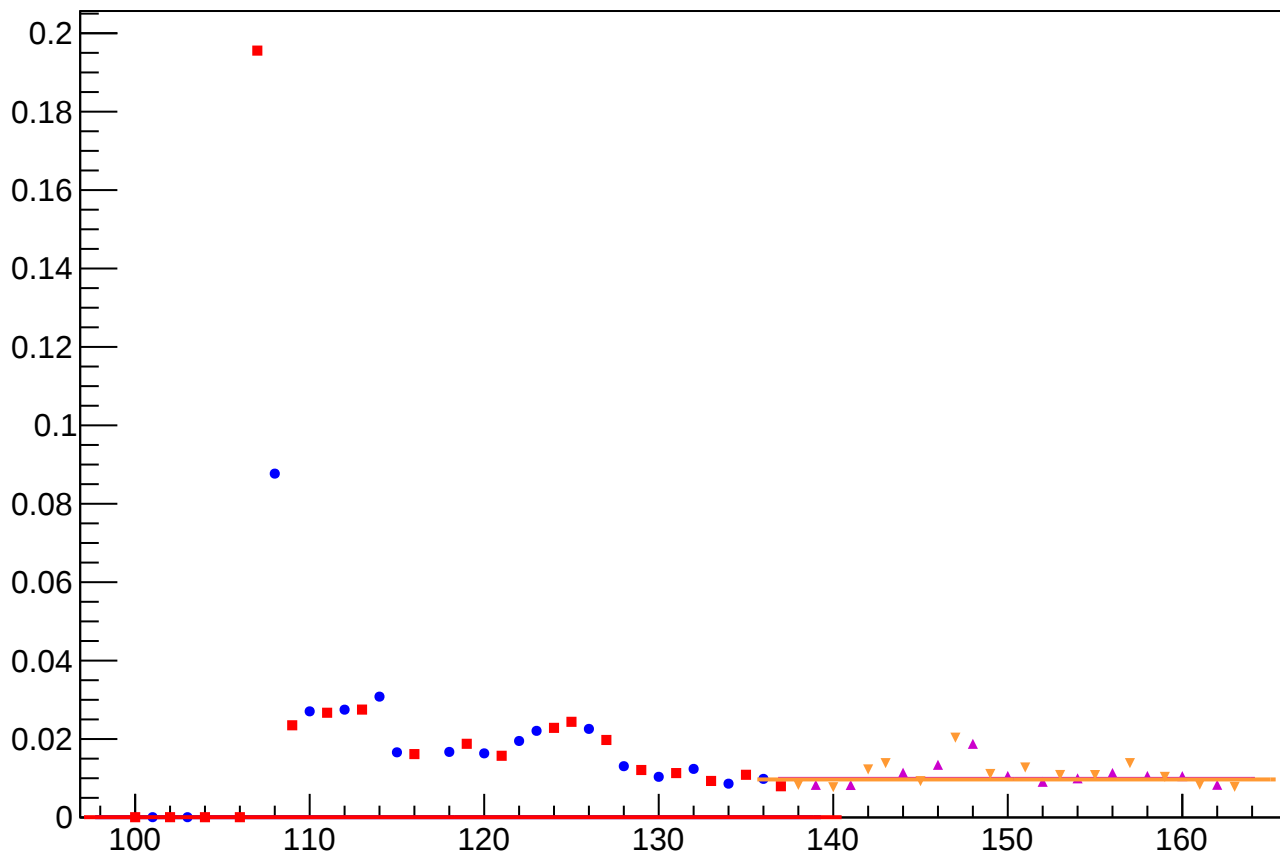
Right: 3.040+/-0.000 χ^2/NDF : 1382263247622324.7

In: 3.562+/-0.000 χ^2/NDF : 1975411014381.3/28

Out: 2.582+/-0.000 χ^2/NDF : 1254498436719428.0

All: 3.039+/-0.000 χ^2/NDF : 13846952908050

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.010+/-0.000 χ^2/NDF :965625.8/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

Left In: 0.010+/-0.000 χ^2/NDF :612597.3/11

Left: 0.010+/-0.000 χ^2/NDF : 1579910.1/25

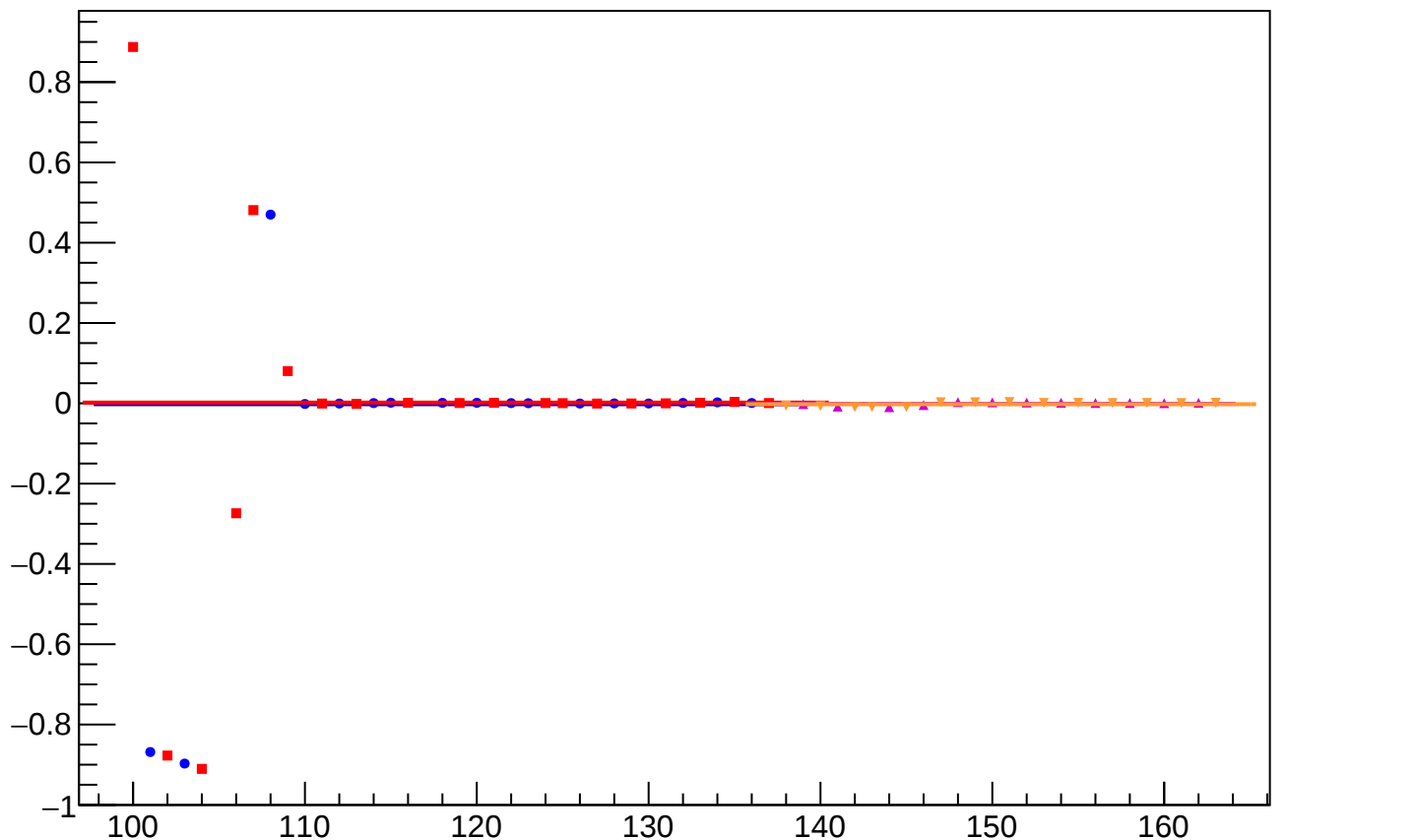
Right: 0.000+/-0.000 χ^2/NDF : 19728618.4/35

In: 0.000+/-0.000 χ^2/NDF :25168635.1/28

Out: 0.000+/-0.000 χ^2/NDF :26635181.3/32

All: 0.000+/-0.000 χ^2/NDF : 51804182.8/61

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.002+/-0.000 χ^2/NDF : 85612382.0/13

Right Out: 0.002+/-0.000 χ^2/NDF : 3041331104.7/18

Left In: -0.001+/-0.000 χ^2/NDF : 60373962.1/11

Left: -0.002+/-0.000 χ^2/NDF : 147109061.0/25

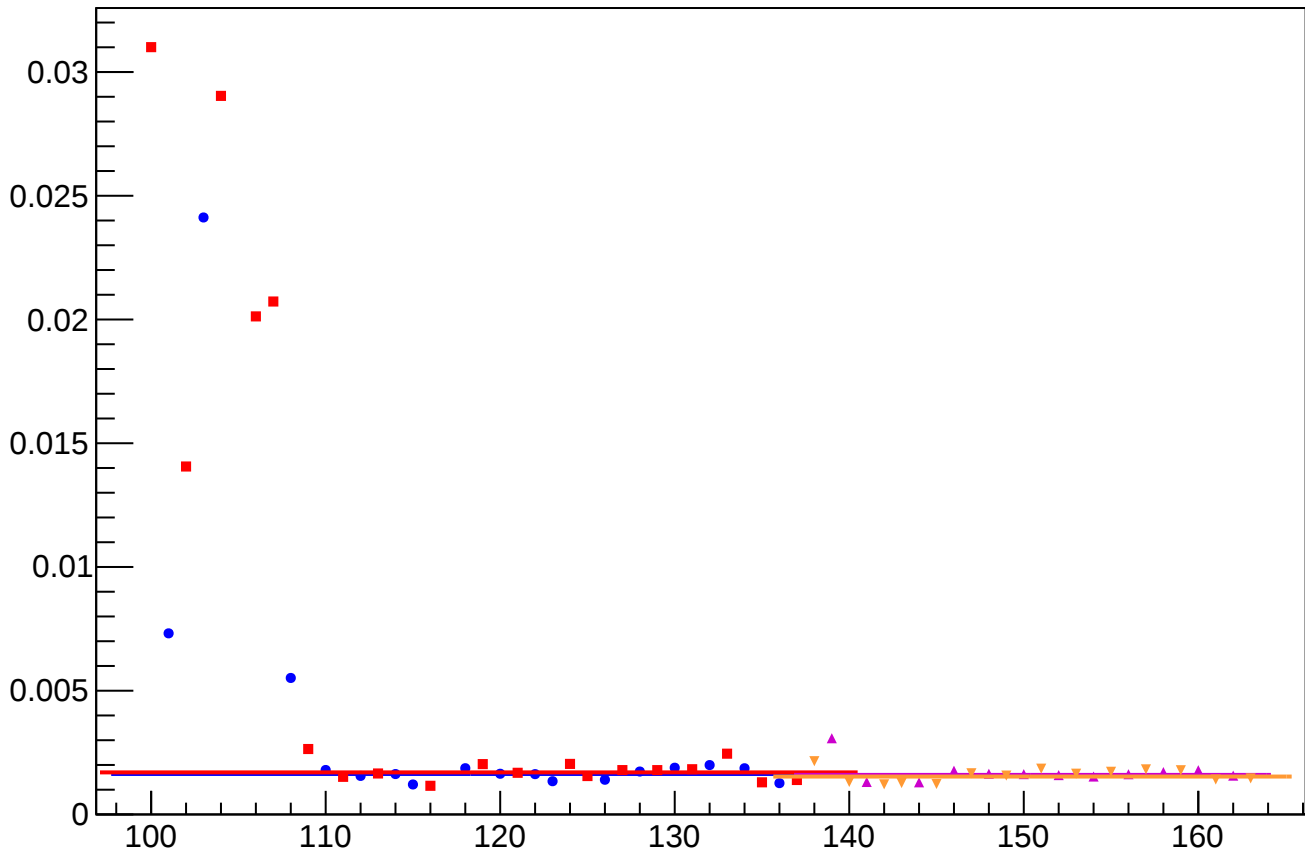
Right: -0.000+/-0.000 χ^2/NDF : 12850559659.8/35

In: -0.002+/-0.000 χ^2/NDF : 9856749597.1/28

Out: -0.001+/-0.000 χ^2/NDF : 3144336204.7/32

All: -0.001+/-0.000 χ^2/NDF : 13002414785.9/60

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:417809.2/13

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:472259.7/11

Left: 0.002 $\pm$ 0.000 χ^2 /NDF: 904469.0/25

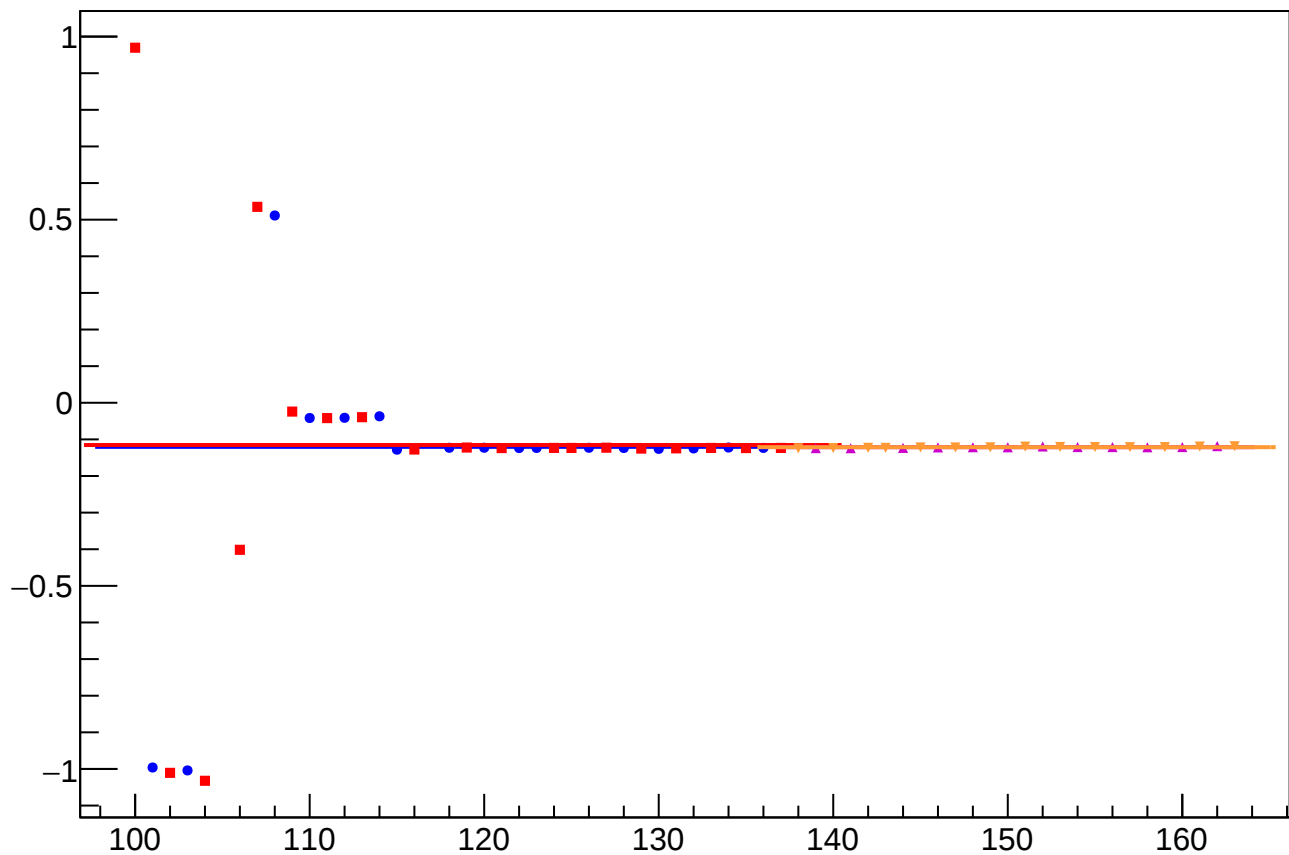
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4950980.4/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF:2394549.3/28

Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3503786.8/32

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5902363.1/61

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.121+/-0.000 χ^2/NDF : 20466579.2/13

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

Left In: -0.121+/-0.000 χ^2/NDF : 19730487.6/11

Left: -0.121+/-0.000 χ^2/NDF : 40204617.6/25

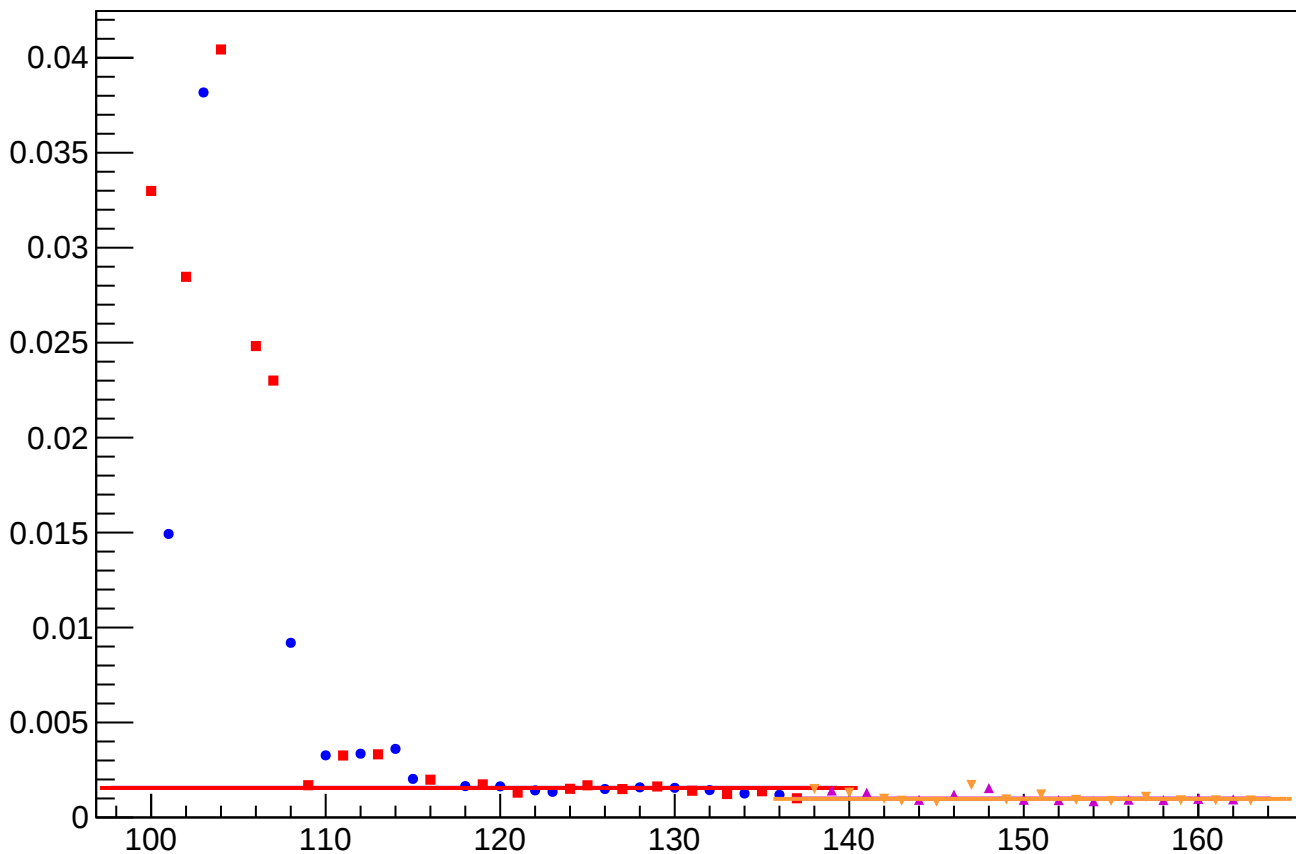
Right: -0.118+/-0.000 χ^2/NDF : 6412422727.1/35

In: -0.121+/-0.000 χ^2/NDF : 3953253313.9/28

Out: -0.120+/-0.000 χ^2/NDF : 2531977775.3/32

All: -0.121+/-0.000 χ^2/NDF : 6488300595.4/6

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2903607.4/16

Left Out: 0.001+/-0.000 χ^2/NDF :711672.0/13

Right Out: 0.002+/-0.000 χ^2/NDF : 3538622.3/18

Left In: 0.001+/-0.000 χ^2/NDF :520539.0/11

Left: 0.001 ± 0.000 χ^2/NDF : 1235021.0/25

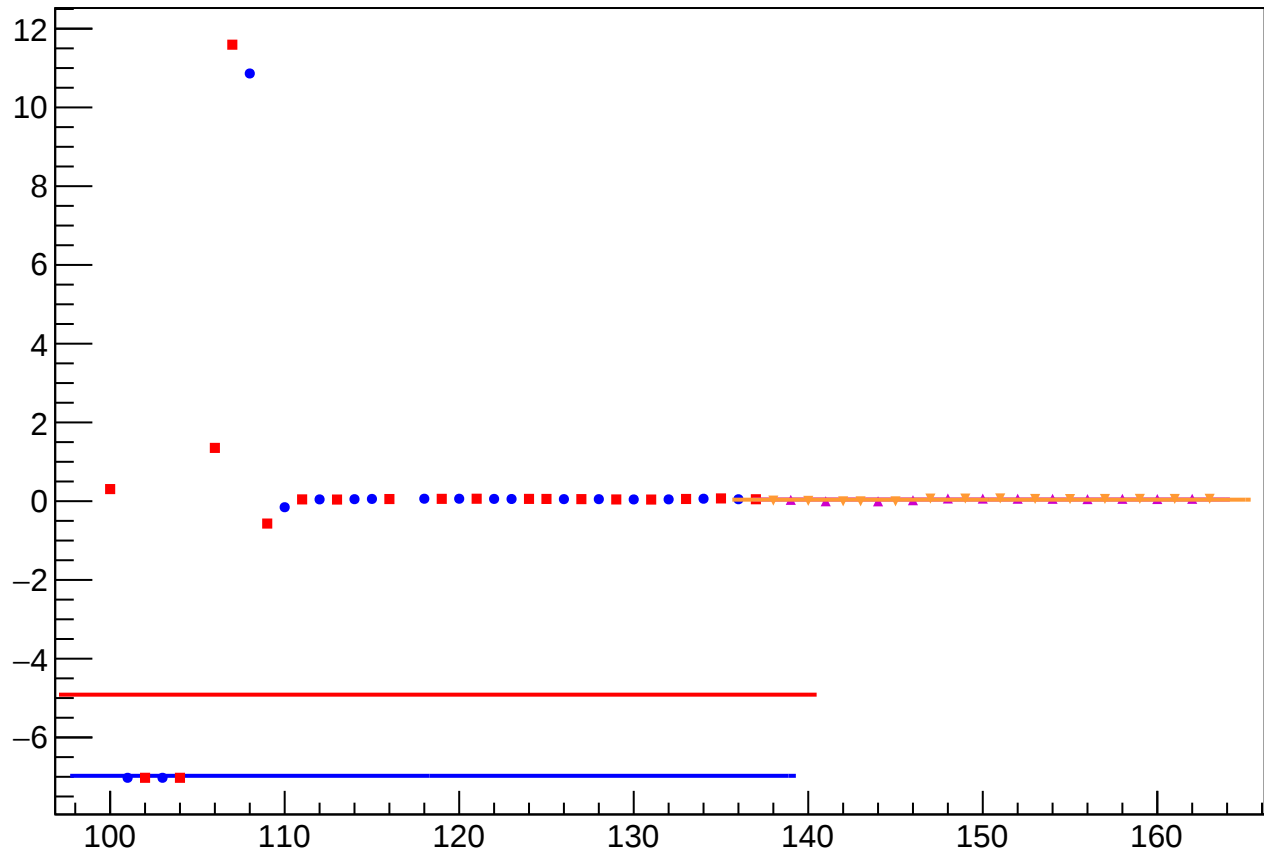
Right: 0.002+/-0.000 χ^2/NDF : 6442279.4/35

In: 0.001+/-0.000 $\chi^2/\text{NDF}: 4419591.7/28$

Out: 0.001+/-0.000 χ^2/NDF :5303296.0/32

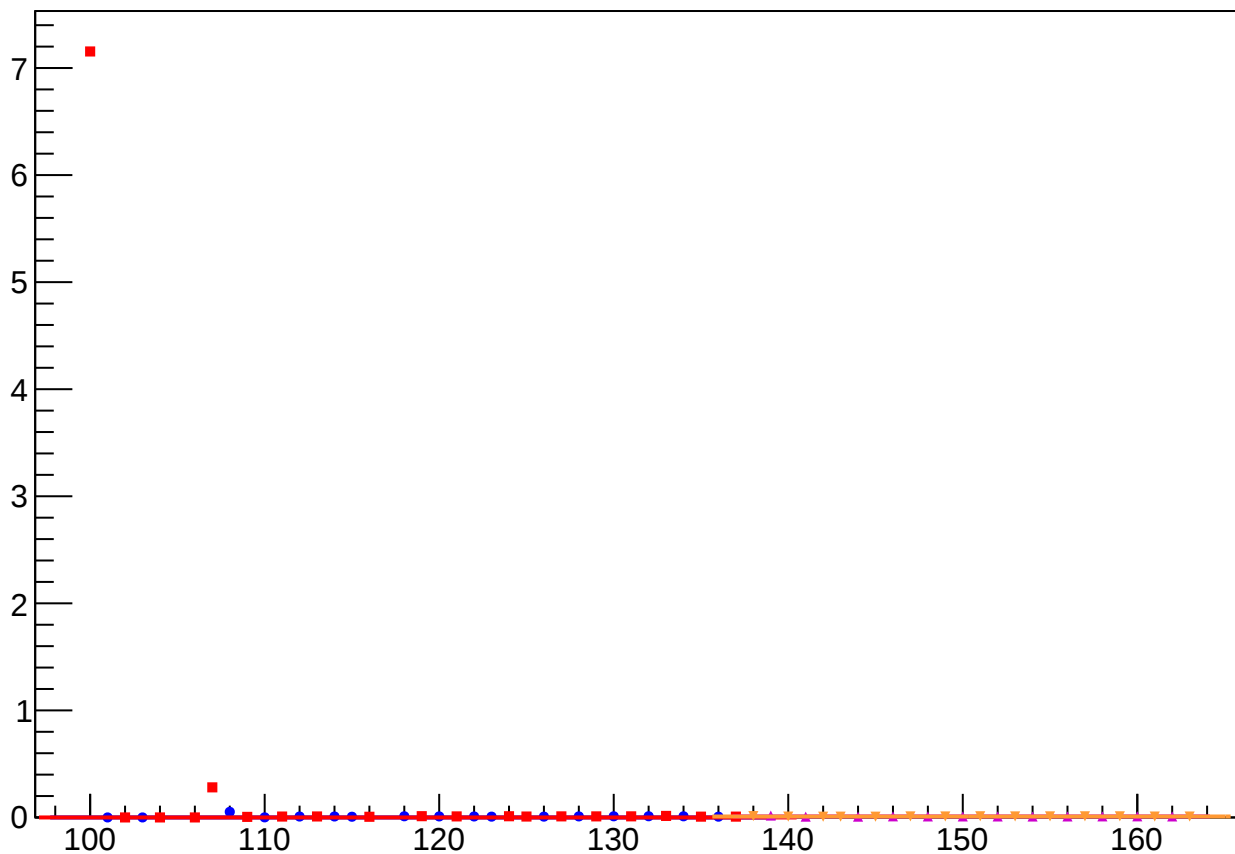
All: 0.001+/-0.000 χ^2/NDF : 9729396.7/61

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16
 Left Out: 0.038+/-0.000 χ^2/NDF : 87229469.6/13
 Right Out: -4.914+/-0.000 χ^2/NDF : 365362215369689.4/18
 Left In: 0.043+/-0.000 χ^2/NDF : 66616405.9/11
 Left: 0.040+/-0.000 χ^2/NDF : 154668436.2/25
 Right: -5.900+/-0.000 χ^2/NDF : 430340247682327.9
 In: -6.951+/-0.000 χ^2/NDF : 13095339147012.9/28
 Out: -4.896+/-0.000 χ^2/NDF : 367827166909699.2/18
 All: -5.879+/-0.000 χ^2/NDF : 4369729973281.2/100

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.009+/-0.000 χ^2/NDF : 411236.1/13

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

Left In: 0.009+/-0.000 χ^2/NDF : 476070.4/11

Left: 0.009+/-0.000 χ^2/NDF : 899354.3/25

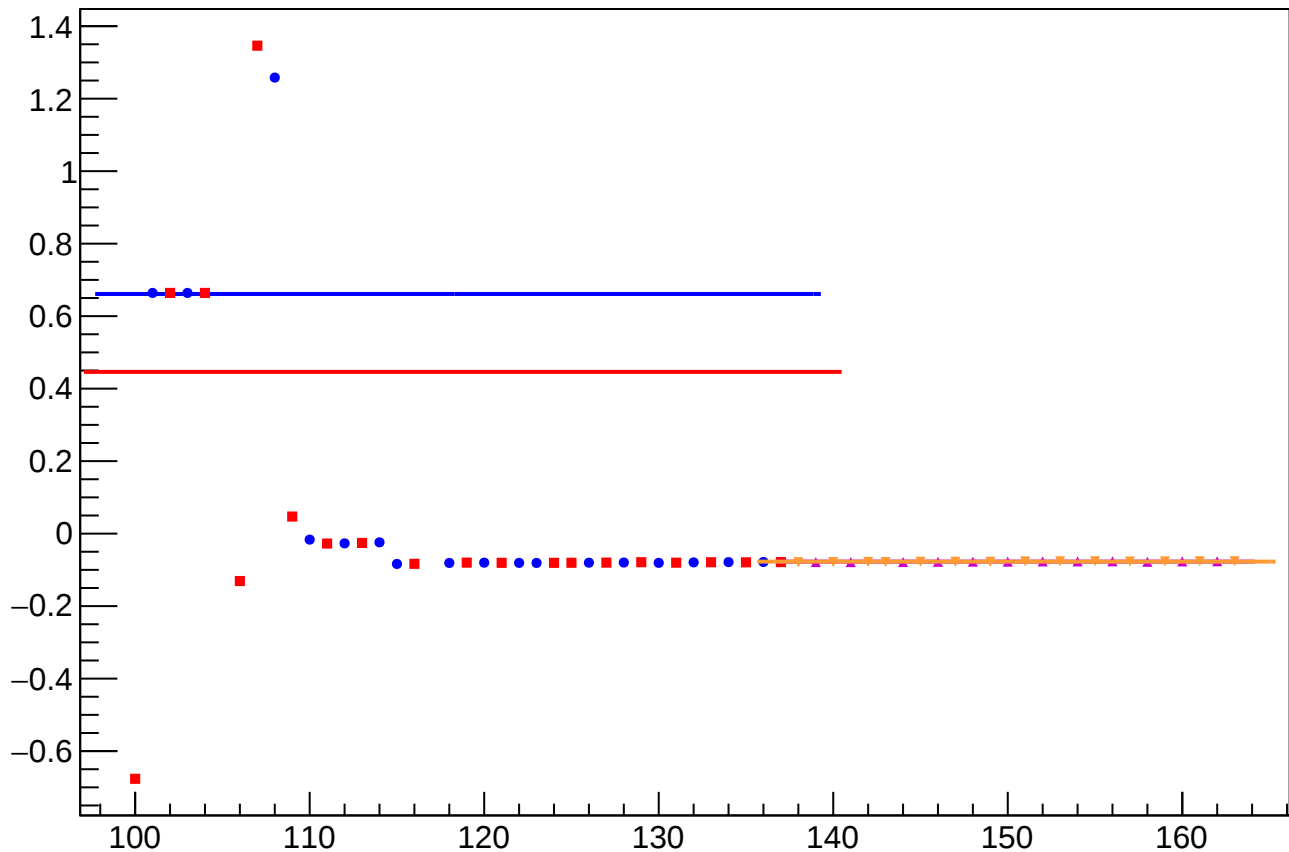
Right: 0.000+/-0.000 χ^2/NDF : 17165218.4/35

In: 0.000+/-0.000 χ^2/NDF : 23686725.4/28

Out: 0.000+/-0.000 χ^2/NDF : 24986122.4/32

All: 0.000+/-0.000 χ^2/NDF : 48673105.8/61

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000

χ^2/NDF : 5678332616622.1/16

Left: -0.077+/-0.000

χ^2/NDF : 44748351.6/25

Left Out: -0.077+/-0.000

χ^2/NDF : 26083799.0/13

Right: 0.549+/-0.000

χ^2/NDF : 474014800057413.9/

Right Out: 0.446+/-0.000

χ^2/NDF : 405428604683882.5/18

In: 0.653+/-0.000

χ^2/NDF : 20810283171925.7/28

Out: 0.441+/-0.000

χ^2/NDF : 413649555015777.9/3

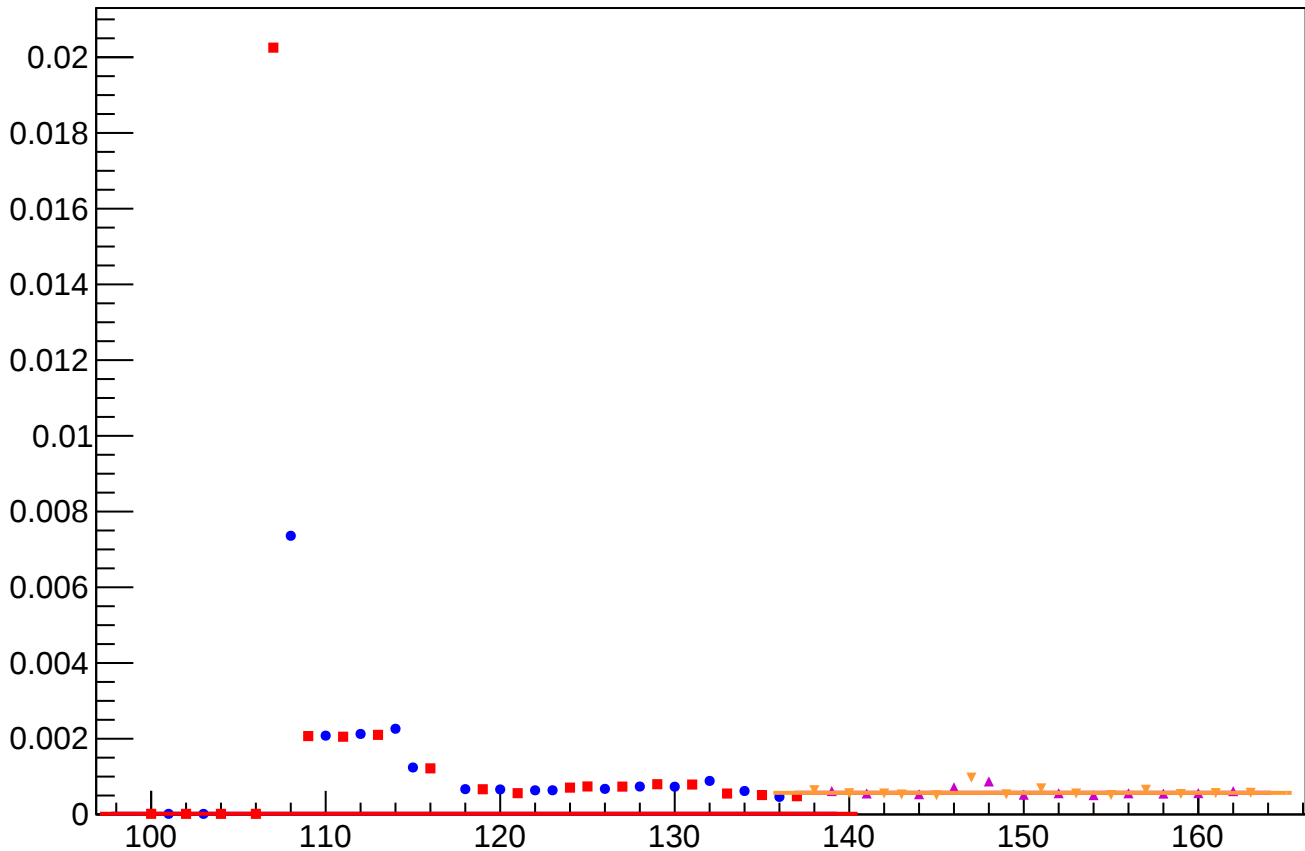
Left In: -0.077+/-0.000

χ^2/NDF : 18664202.4/11

All: 0.542+/-0.000

χ^2/NDF : 49665295830010

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9997012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 407004.5/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

Left In: 0.001+/-0.000 χ^2/NDF : 311406.3/11

Left: 0.001+/-0.000 χ^2/NDF : 718600.9/25

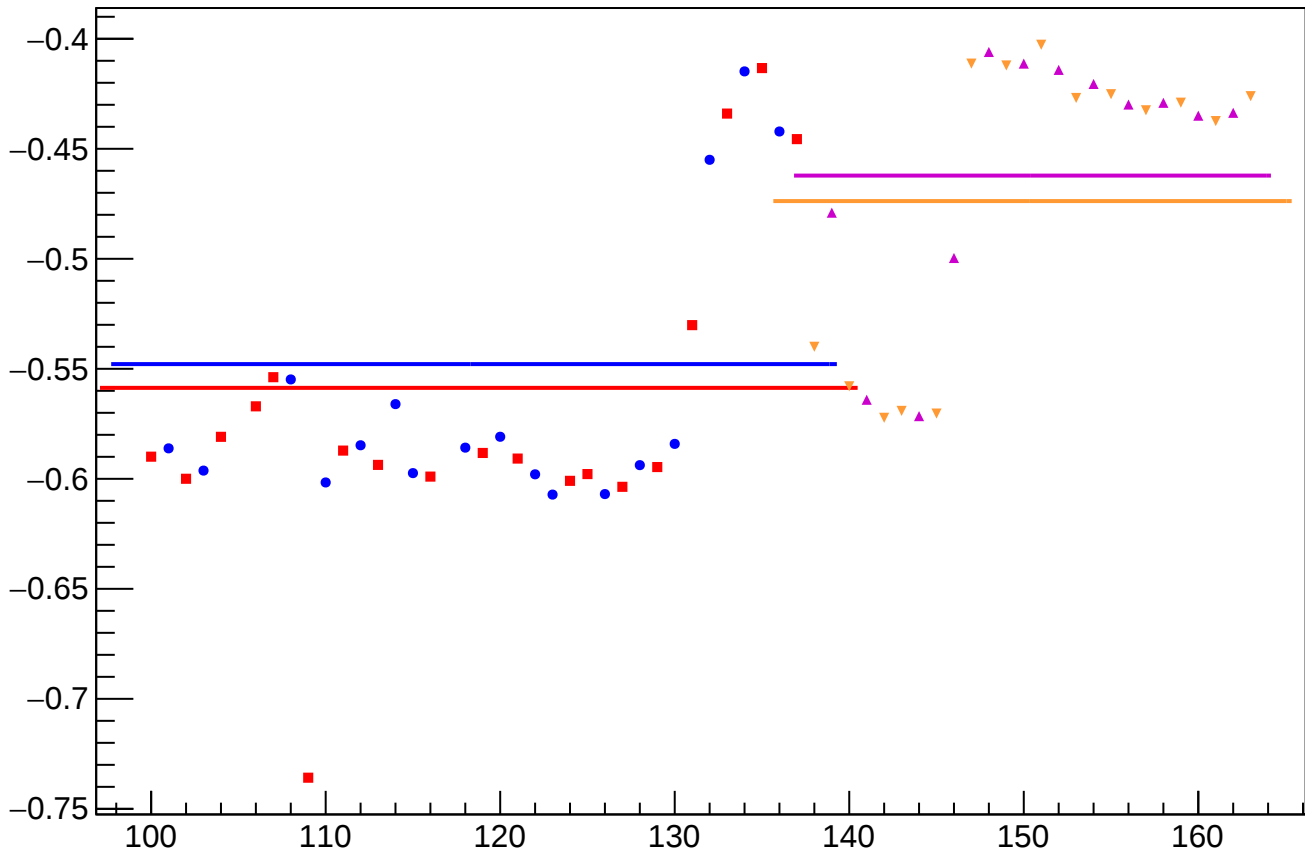
Right: 0.000+/-0.000 χ^2/NDF : 19497828.7/35

In: 0.000+/-0.000 χ^2/NDF : 27394840.5/28

Out: 0.000+/-0.000 χ^2/NDF : 28211768.7/32

All: 0.000+/-0.000 χ^2/NDF : 55606698.8/61

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.474+/-0.000 χ^2/NDF : 96183525.4/13

Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

Left In: -0.462+/-0.000 χ^2/NDF : 68838669.0/11

Left: -0.468+/-0.000 χ^2/NDF : 166309672.8/25

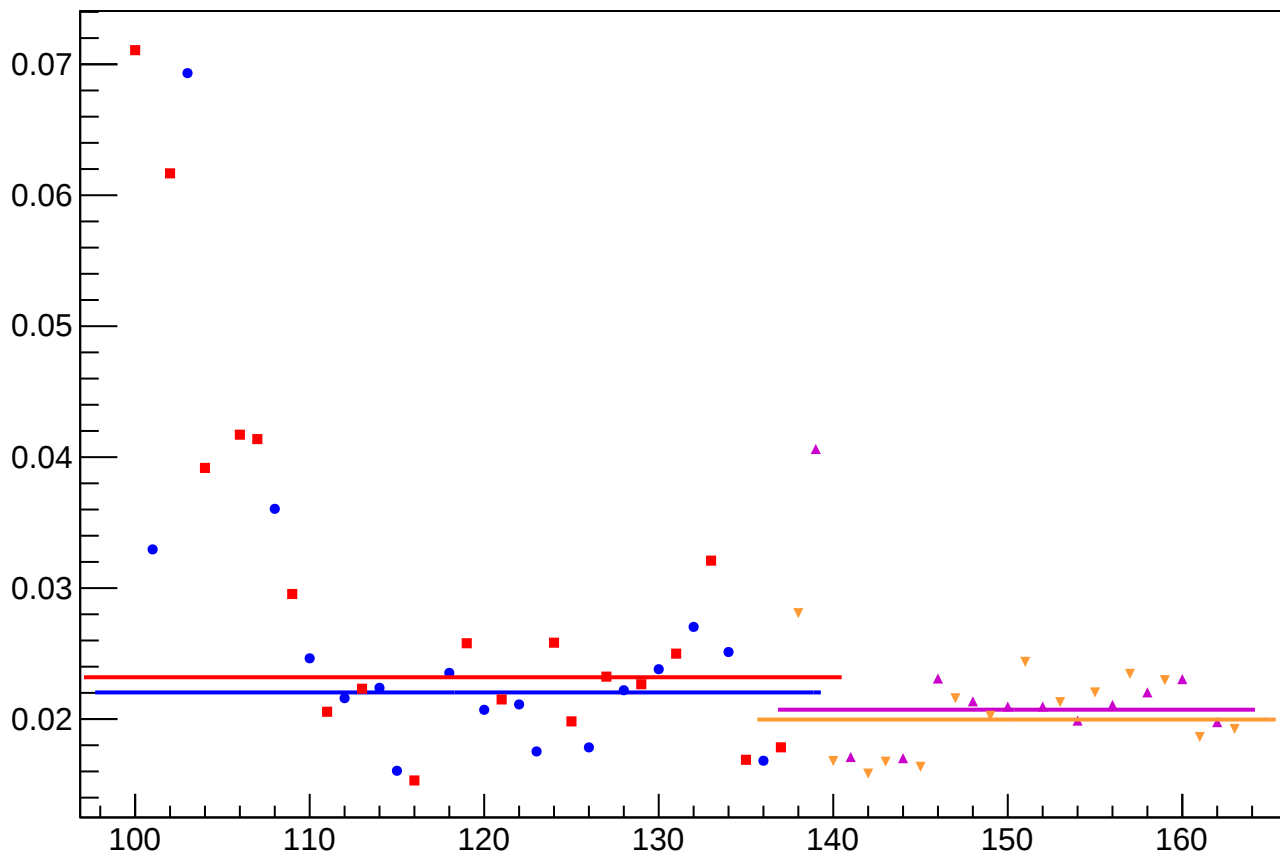
Right: -0.553+/-0.000 χ^2/NDF : 114857155.8/35

In: -0.494+/-0.000 χ^2/NDF : 166144910.0/28

Out: -0.501+/-0.000 χ^2/NDF : 210091740.1/32

All: -0.498+/-0.000 χ^2/NDF : 377083147.6/61

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 958966.6/16

Left Out: 0.020+/-0.000 χ^2/NDF : 391981.2/13

Right Out: 0.023+/-0.000 χ^2/NDF : 1156989.7/18

Left In: 0.021+/-0.000 χ^2/NDF : 475756.5/11

Left: 0.020+/-0.000 χ^2/NDF : 878597.0/25

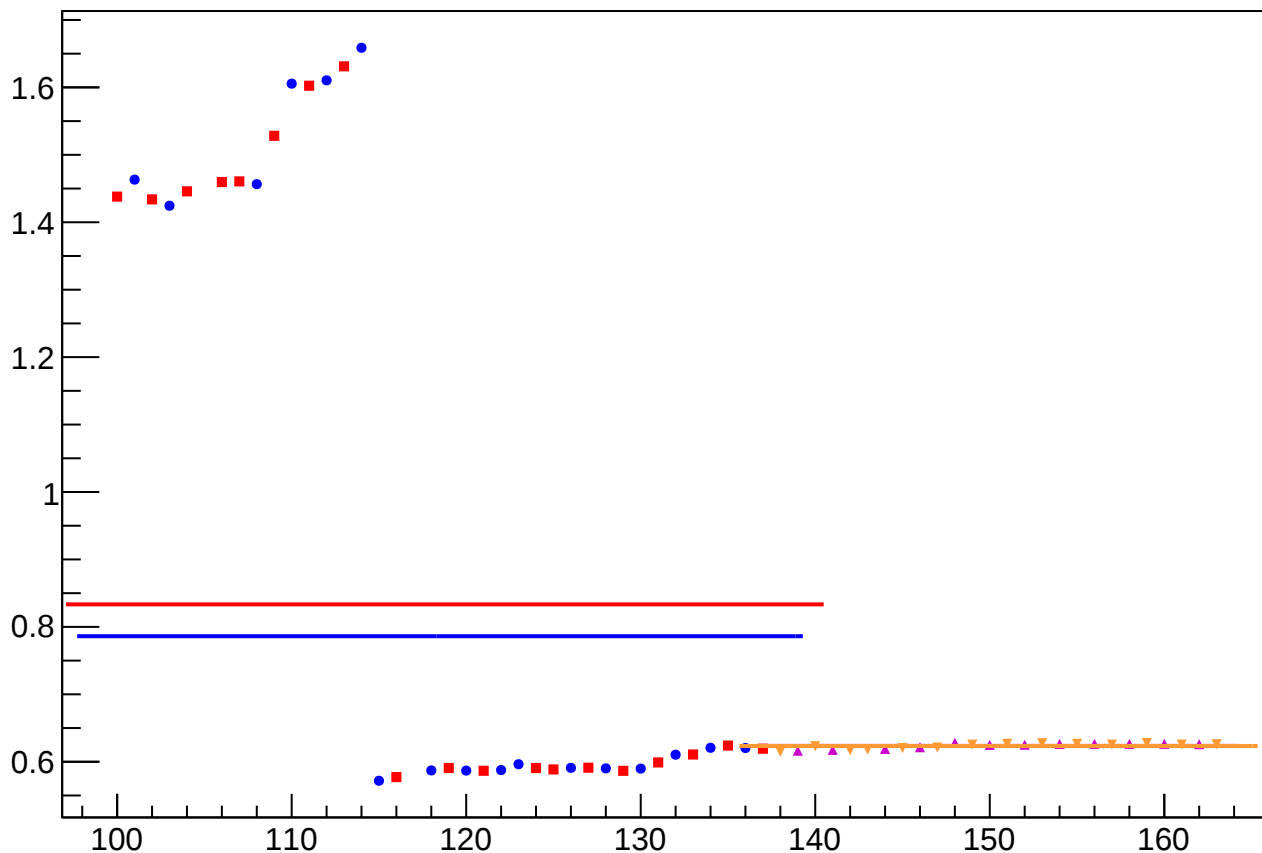
Right: 0.023+/-0.000 χ^2/NDF : 2129689.2/35

In: 0.021+/-0.000 χ^2/NDF : 1457758.1/28

Out: 0.021+/-0.000 χ^2/NDF : 1688534.9/32

All: 0.021+/-0.000 χ^2/NDF : 3147332.8/61

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.623 $\pm$ 0.000 χ^2 /NDF:1020299.3/13

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4156812252.4/18

Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:870416.8/11

Left: 0.623 $\pm$ 0.000 χ^2 /NDF: 1891015.8/25

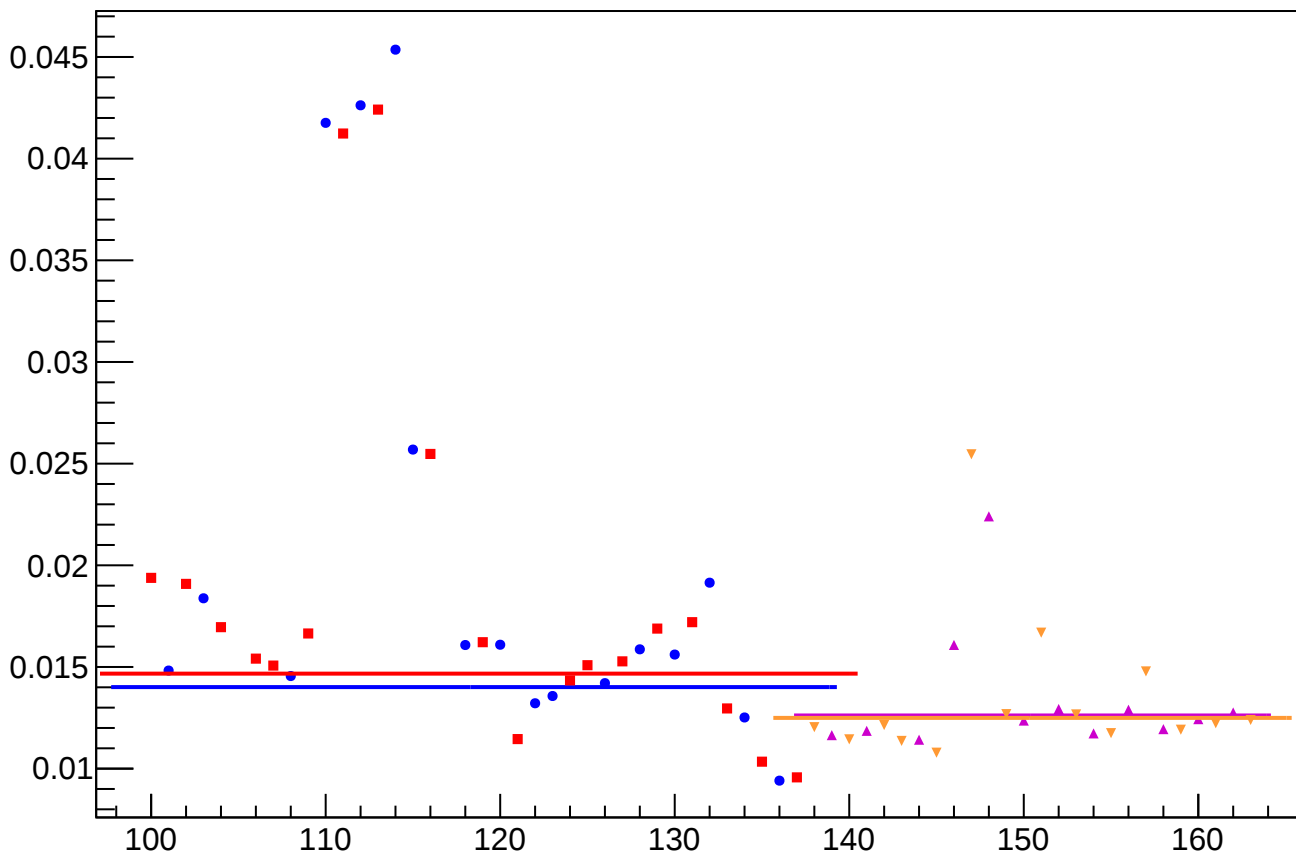
Right: 0.809 $\pm$ 0.000 χ^2 /NDF: 7778629767.1/35

In: 0.678 $\pm$ 0.000 χ^2 /NDF:4101743326.7/28

Out: 0.688 $\pm$ 0.000 χ^2 /NDF:5011829290.6/32

All: 0.683 $\pm$ 0.000 χ^2 /NDF: 9118183446.9/63

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1404865.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:588417.4/13

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:409246.9/11

Left: 0.013 $\pm$ 0.000 χ^2 /NDF: 998522.6/25

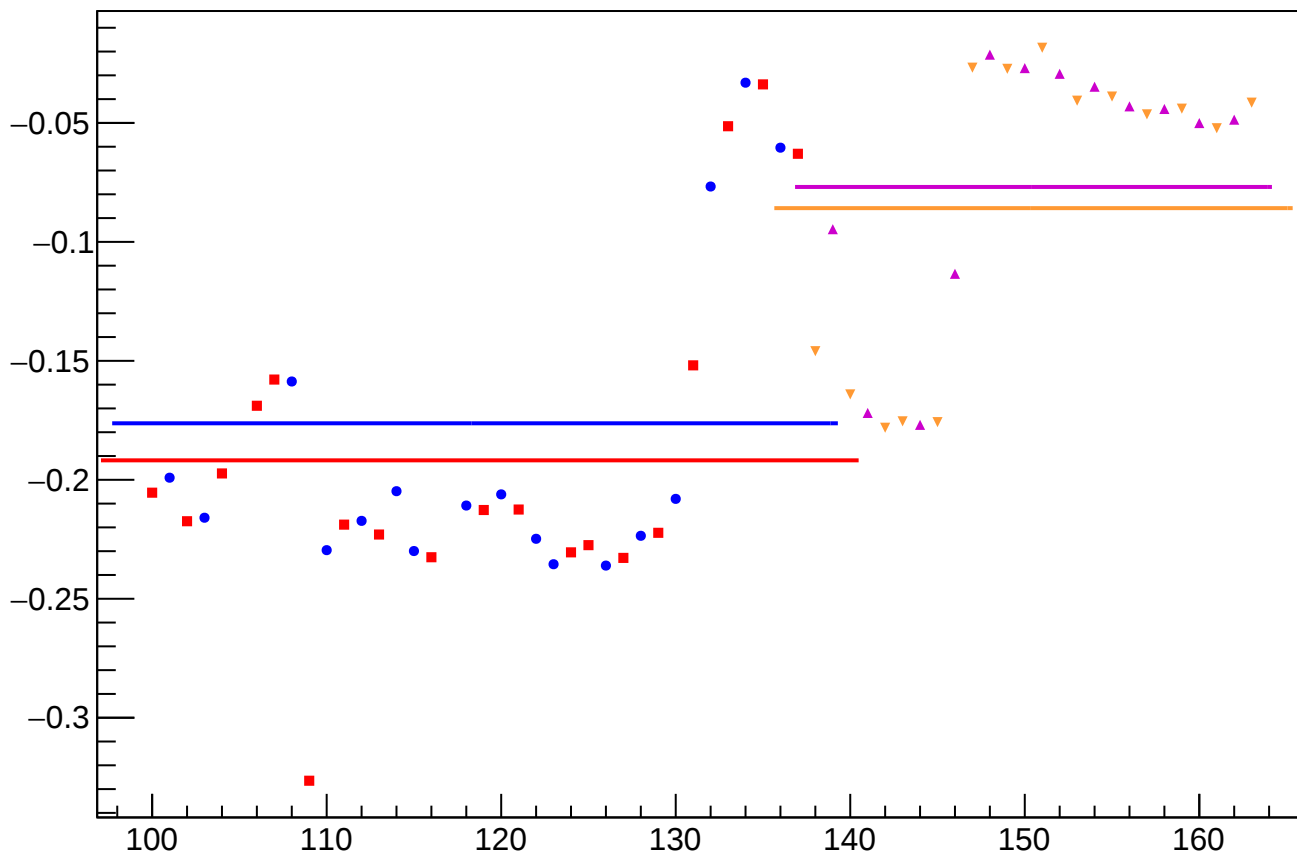
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 2680772.5/35

In: 0.013 $\pm$ 0.000 χ^2 /NDF:1889335.3/28

Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2035392.6/32

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3925355.6/61

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.086+/-0.000 χ^2/NDF : 92414520.9/13

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

Left In: -0.077+/-0.000 χ^2/NDF : 69631760.3/11

Left: -0.082+/-0.000 χ^2/NDF : 162871000.9/25

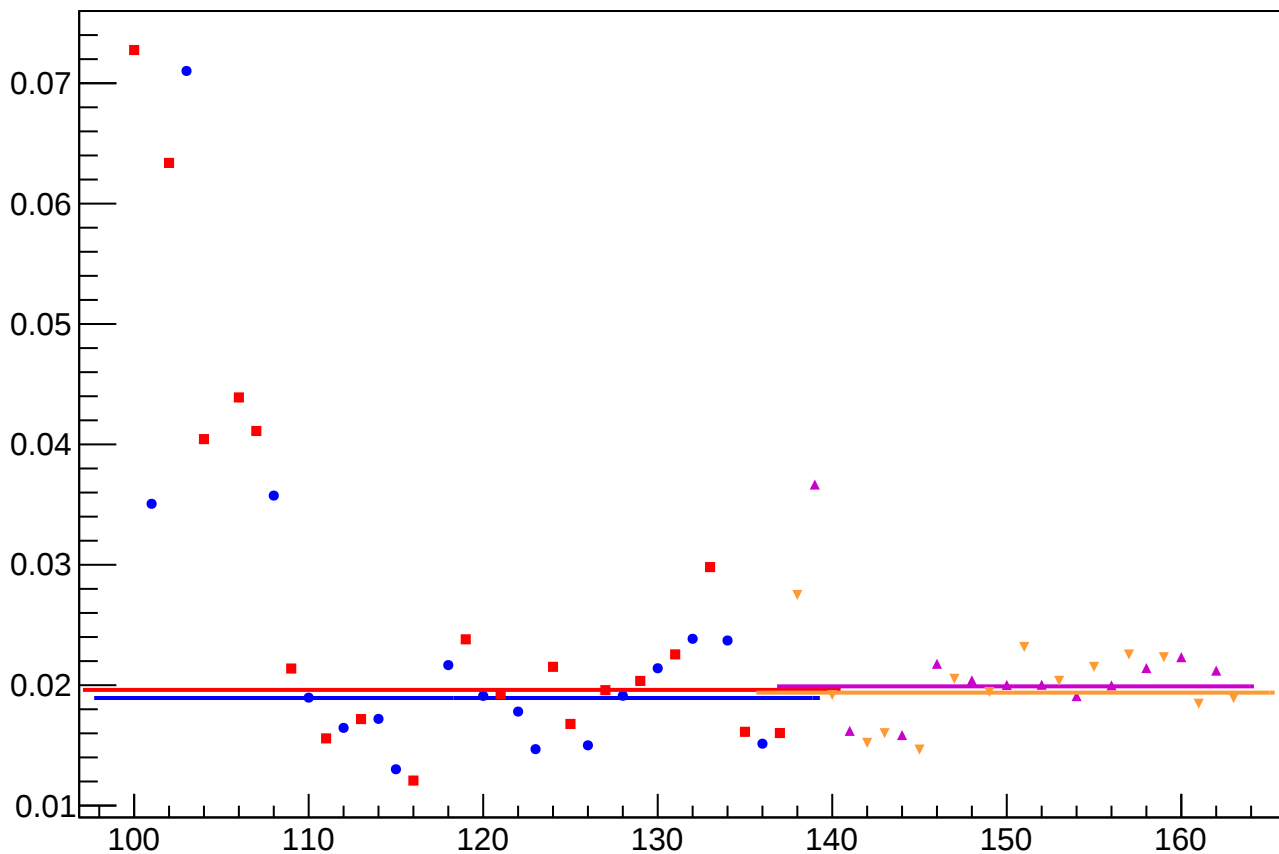
Right: -0.184+/-0.000 χ^2/NDF : 155611518.1/35

In: -0.118+/-0.000 χ^2/NDF : 220317435.6/28

Out: -0.126+/-0.000 χ^2/NDF : 270484082.9/32

All: -0.122+/-0.000 χ^2/NDF : 491852067.3/61

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 416800.2/13

Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

Left In: 0.020+/-0.000 χ^2/NDF : 467304.0/11

Left: 0.020+/-0.000 χ^2/NDF : 889753.8/25

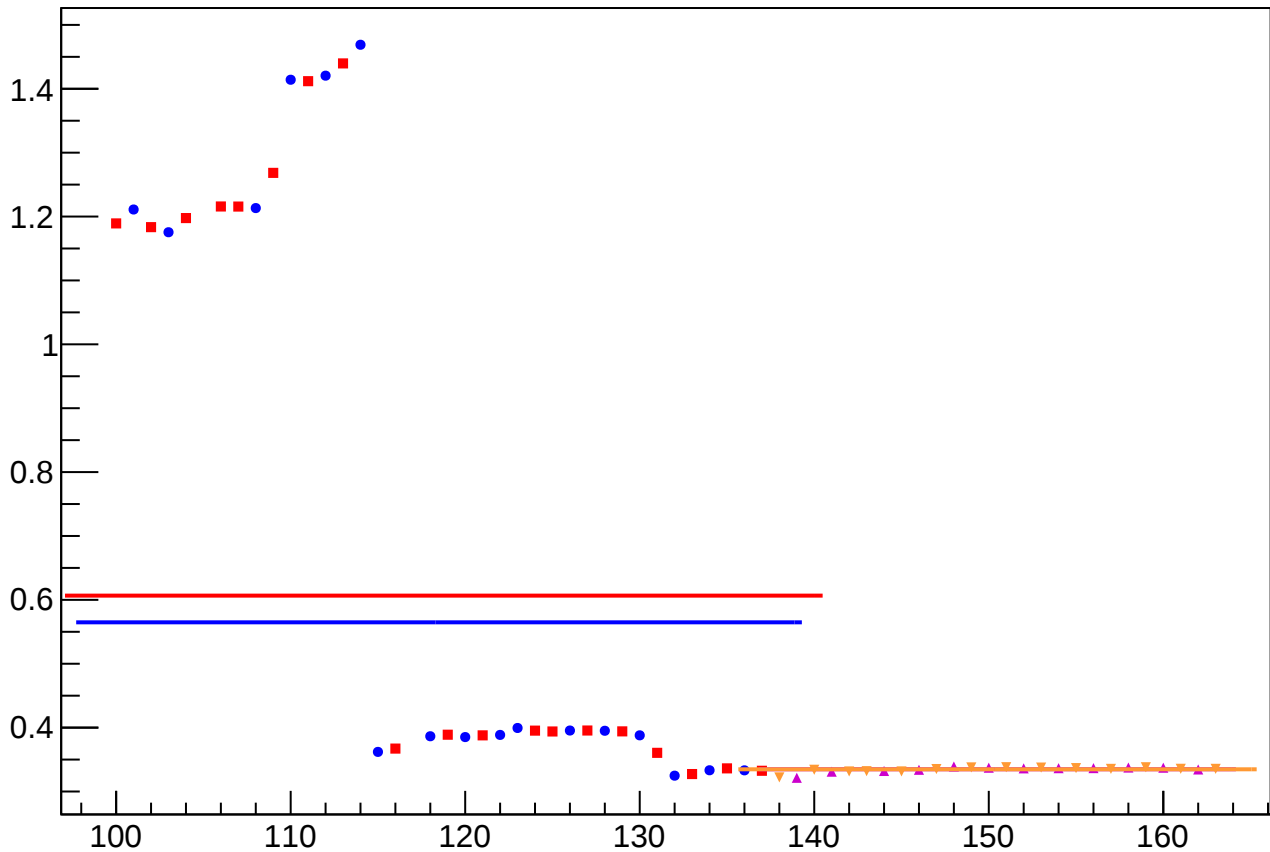
Right: 0.019+/-0.000 χ^2/NDF : 2669759.1/35

In: 0.020+/-0.000 χ^2/NDF : 1688438.5/28

Out: 0.019+/-0.000 χ^2/NDF : 1875331.2/32

All: 0.019+/-0.000 χ^2/NDF : 3563806.5/61

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.335+/-0.000 χ^2/NDF : 1068584.1/13

Right Out: 0.607+/-0.000 χ^2/NDF : 5513752213.8/18

Left In: 0.335+/-0.000 χ^2/NDF : 1153883.5/11

Left: 0.335+/-0.000 χ^2/NDF : 2222662.6/25

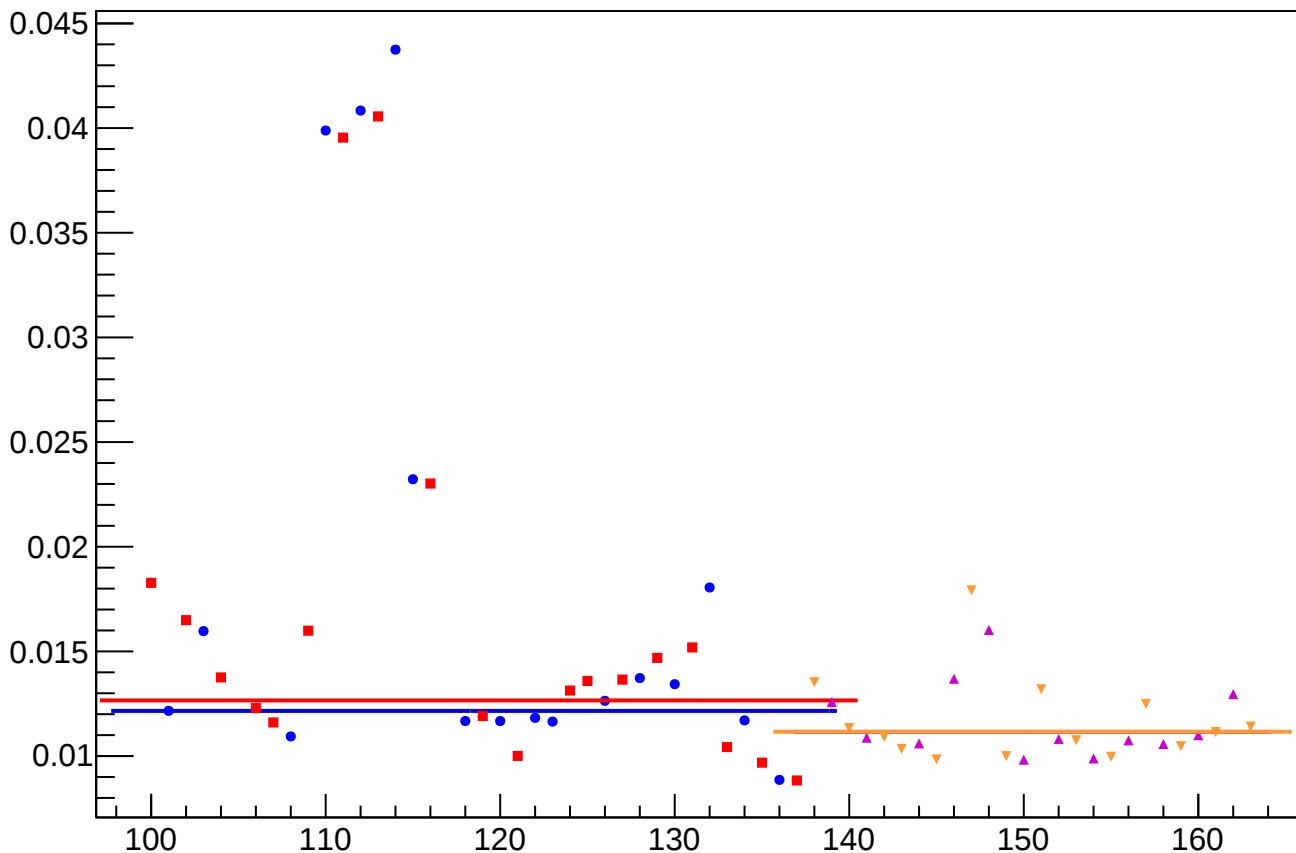
Right: 0.585+/-0.000 χ^2/NDF : 10577520536.9/35

In: 0.413+/-0.000 χ^2/NDF : 6368795539.3/28

Out: 0.421+/-0.000 χ^2/NDF : 7371733500.3/32

All: 0.417+/-0.000 χ^2/NDF : 13743897404.2/66

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:395580.8/13

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:311609.8/11

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 707199.2/25

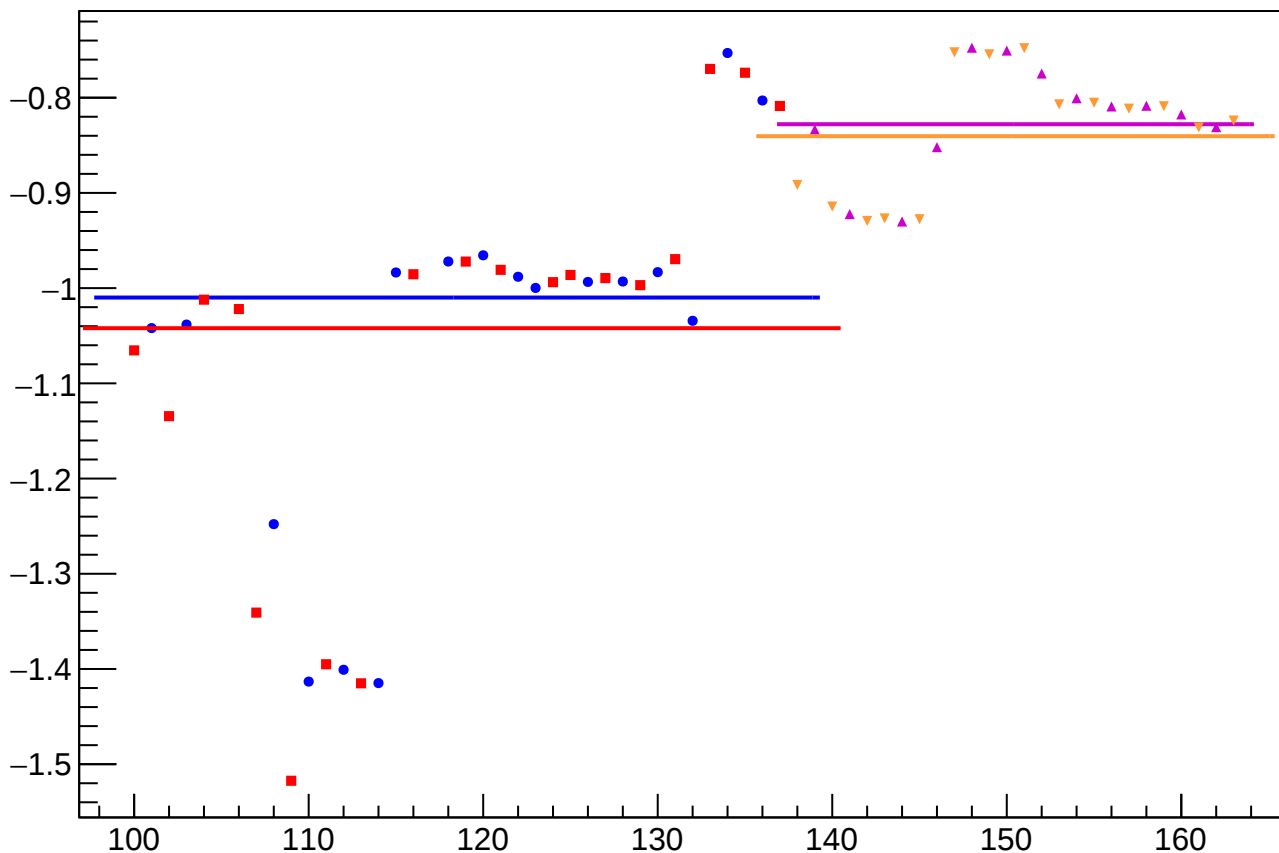
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2589989.8/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:1672521.7/28

Out: 0.012 $\pm$ 0.000 χ^2 /NDF:1778564.0/32

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3453381.3/61

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.840+/-0.000 χ^2/NDF : 92168171.2/13

Right Out: -1.042+/-0.000 χ^2/NDF : 530106141.8/18

Left In: -0.828+/-0.000 χ^2/NDF : 70017054.5/11

Left: -0.835+/-0.000 χ^2/NDF : 163779497.9/25

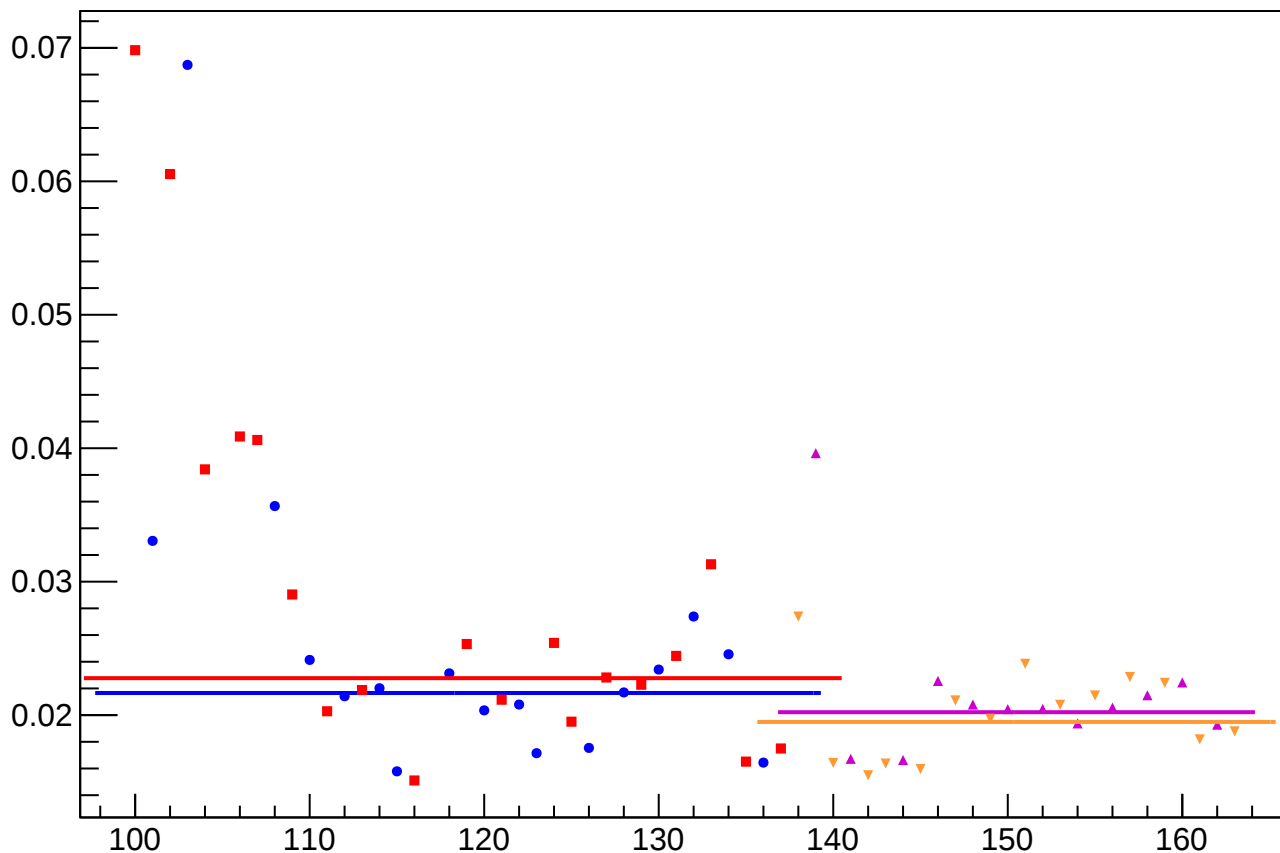
Right: -1.026+/-0.000 χ^2/NDF : 923225272.3/35

In: -0.894+/-0.000 χ^2/NDF : 686267768.4/28

Out: -0.905+/-0.000 χ^2/NDF : 905207859.3/32

All: -0.900+/-0.000 χ^2/NDF : 1593363925.3/6

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 983499.8/16

Left Out: 0.019+/-0.000 χ^2/NDF : 390035.1/13

Right Out: 0.023+/-0.000 χ^2/NDF : 1152617.8/18

Left In: 0.020+/-0.000 χ^2/NDF : 472660.9/11

Left: 0.020+/-0.000 χ^2/NDF : 873407.9/25

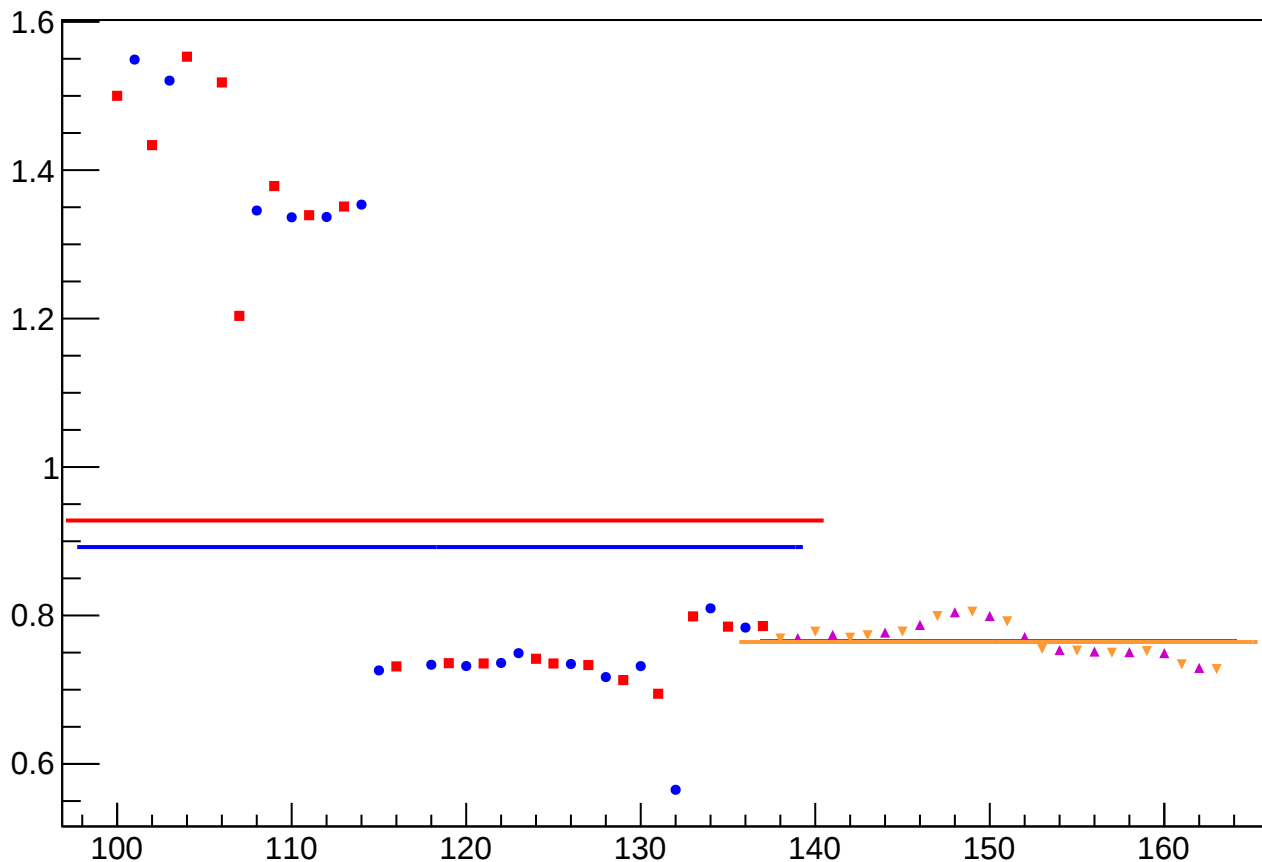
Right: 0.022+/-0.000 χ^2/NDF : 2149174.6/35

In: 0.021+/-0.000 χ^2/NDF : 1484714.5/28

Out: 0.021+/-0.000 χ^2/NDF : 1692343.3/32

All: 0.021+/-0.000 χ^2/NDF : 3178260.4/61

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.892 $\pm$ 0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.764 $\pm$ 0.000 χ^2/NDF :28307999.5/13

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2437542089.2/18

Left In: 0.766 $\pm$ 0.000 χ^2/NDF :21853831.9/11

Left: 0.765 $\pm$ 0.000 χ^2/NDF : 50207453.6/25

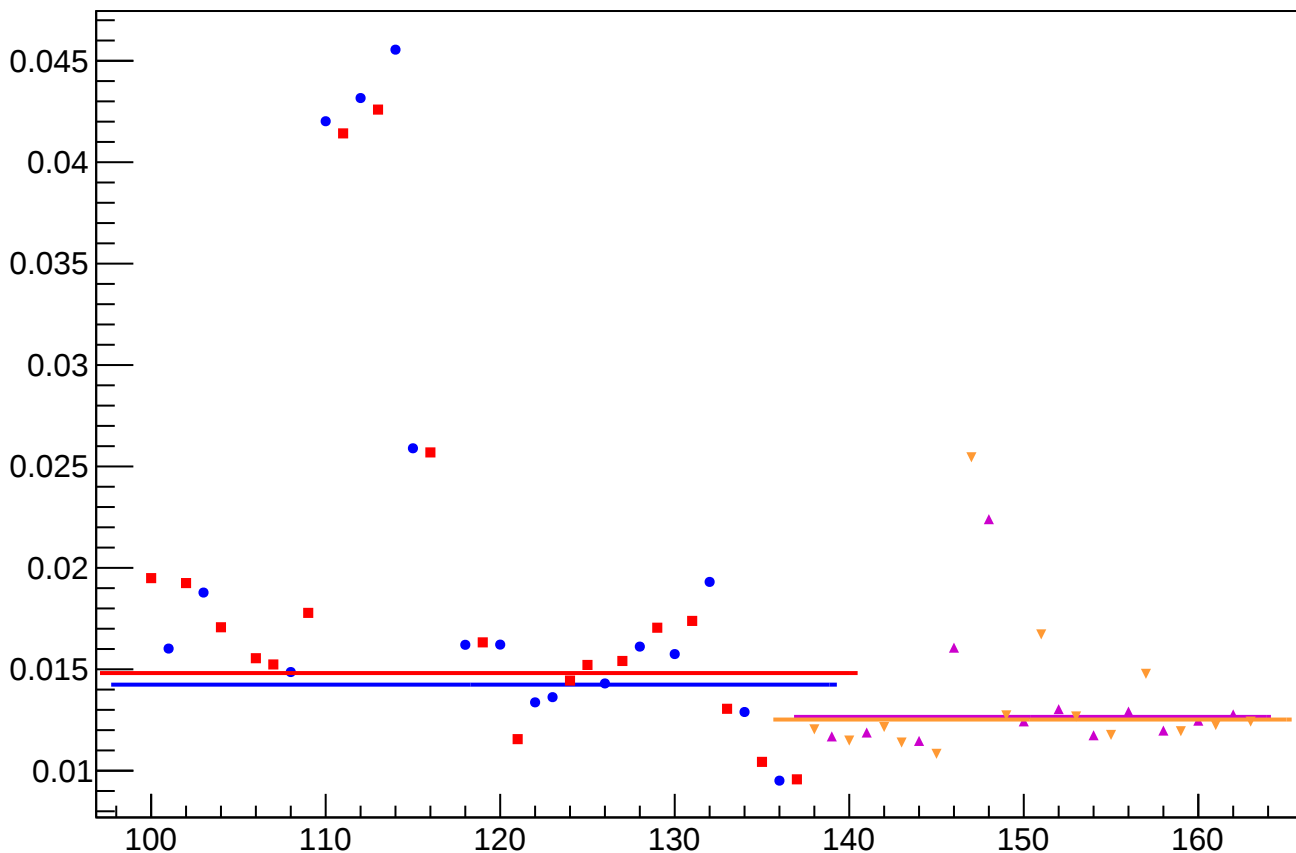
Right: 0.910 $\pm$ 0.000 χ^2/NDF : 4868922187.9/35

In: 0.807 $\pm$ 0.000 χ^2/NDF :2736747921.1/28

Out: 0.814 $\pm$ 0.000 χ^2/NDF :2975684805.8/32

All: 0.810 $\pm$ 0.000 χ^2/NDF : 5714624915.4/63

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1415681.3/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:583858.8/13

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1274172.7/18

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:405015.6/11

Left: 0.013 $\pm$ 0.000 χ^2 /NDF: 989903.6/25

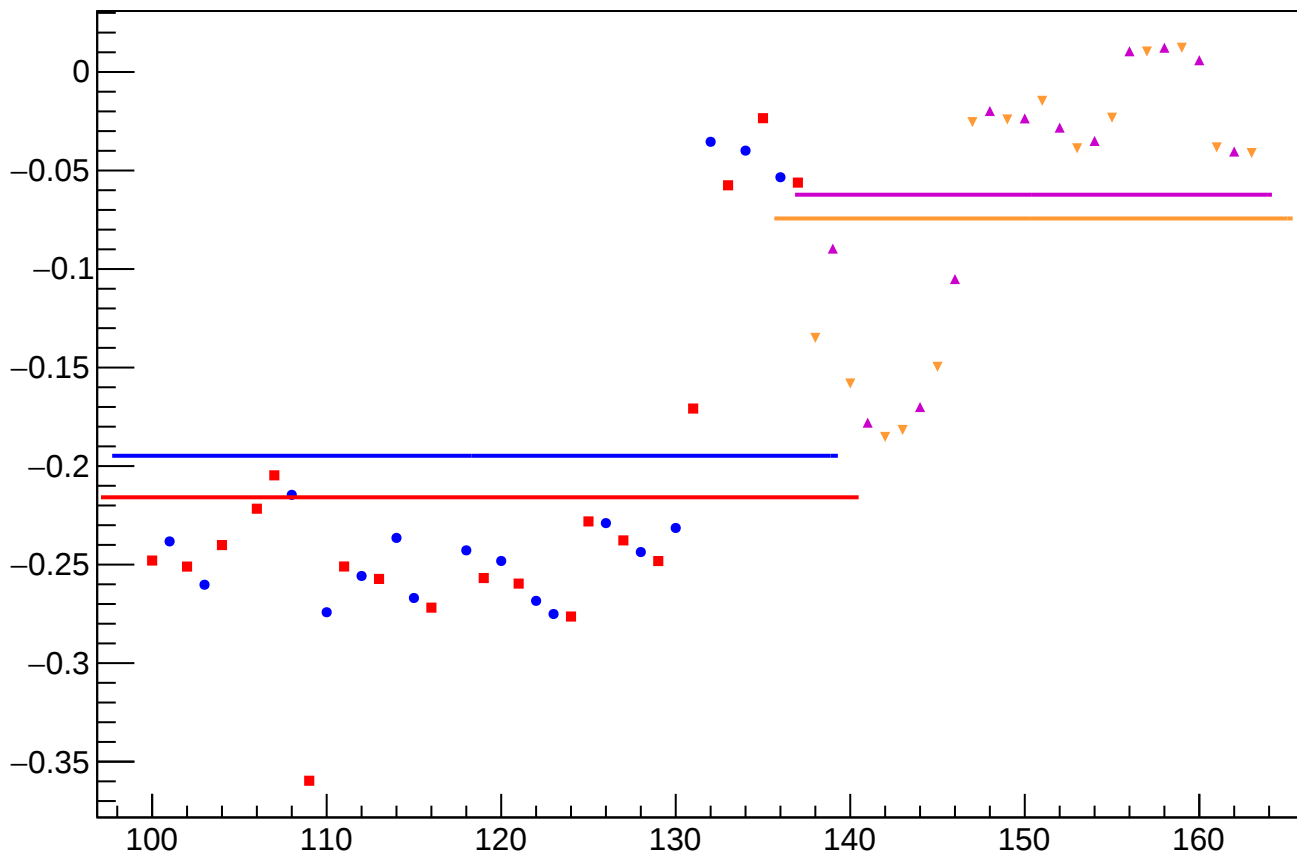
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 2698841.0/35

In: 0.013 $\pm$ 0.000 χ^2 /NDF:1915581.7/28

Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2057898.8/32

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3973659.5/61

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.195 ± 0.000 $\chi^2/\text{NDF}: 108656195.5/16$

Left Out: -0.074 ± 0.000 $\chi^2/\text{NDF}: 109119982.4/13$

Right Out: -0.216 ± 0.000 $\chi^2/\text{NDF}: 111983904.6/18$

Left In: -0.062 ± 0.000 $\chi^2/\text{NDF}: 94140276.6/11$

Left: -0.069 ± 0.000 $\chi^2/\text{NDF}: 204764106.3/25$

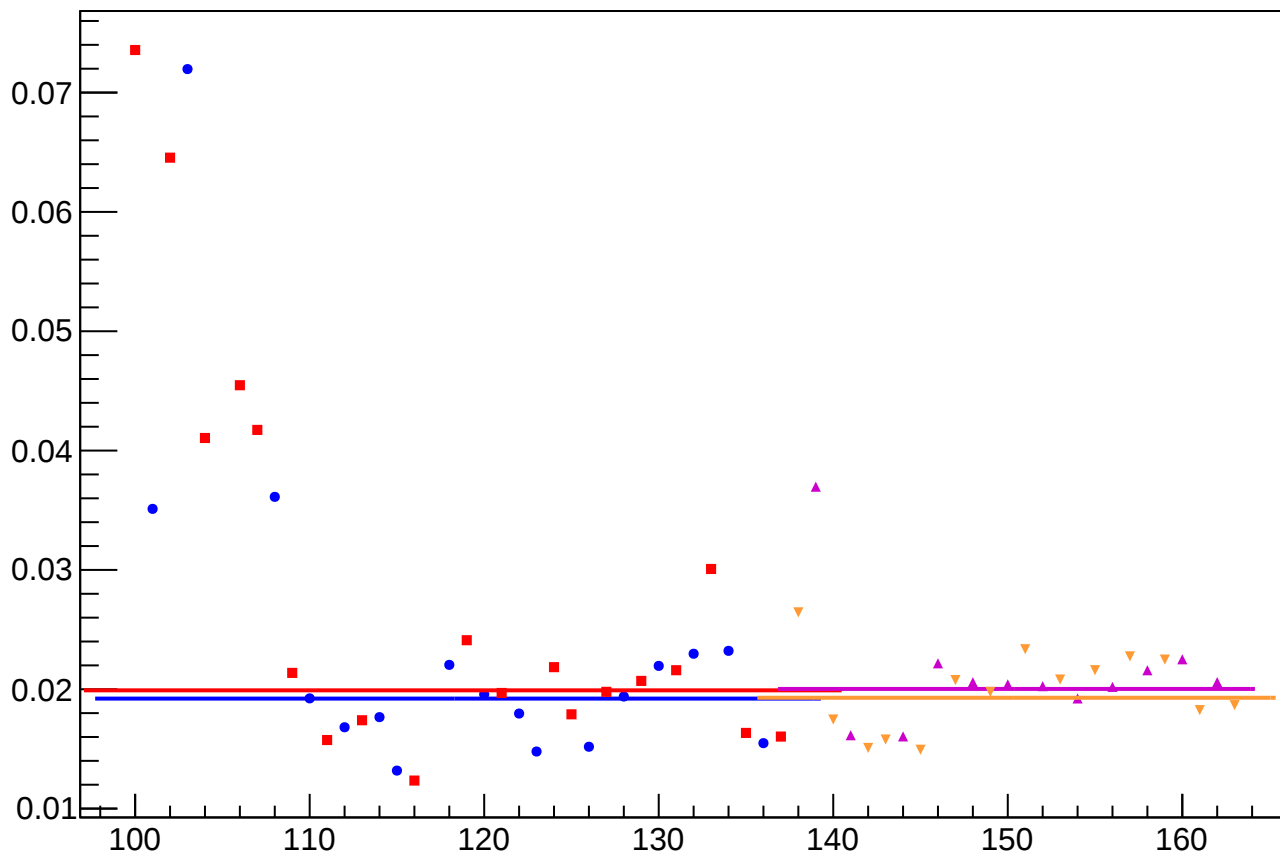
Right: -0.205 ± 0.000 $\chi^2/\text{NDF}: 223598203.8/35$

In: -0.117 ± 0.000 $\chi^2/\text{NDF}: 342940618.2/28$

Out: -0.127 ± 0.000 $\chi^2/\text{NDF}: 385951569.0/32$

All: -0.122 ± 0.000 $\chi^2/\text{NDF}: 730560266.7/61$

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 419406.1/13

Right Out: 0.020+/-0.000 χ^2/NDF : 1446950.0/18

Left In: 0.020+/-0.000 χ^2/NDF : 470627.1/11

Left: 0.020+/-0.000 χ^2/NDF : 901370.6/25

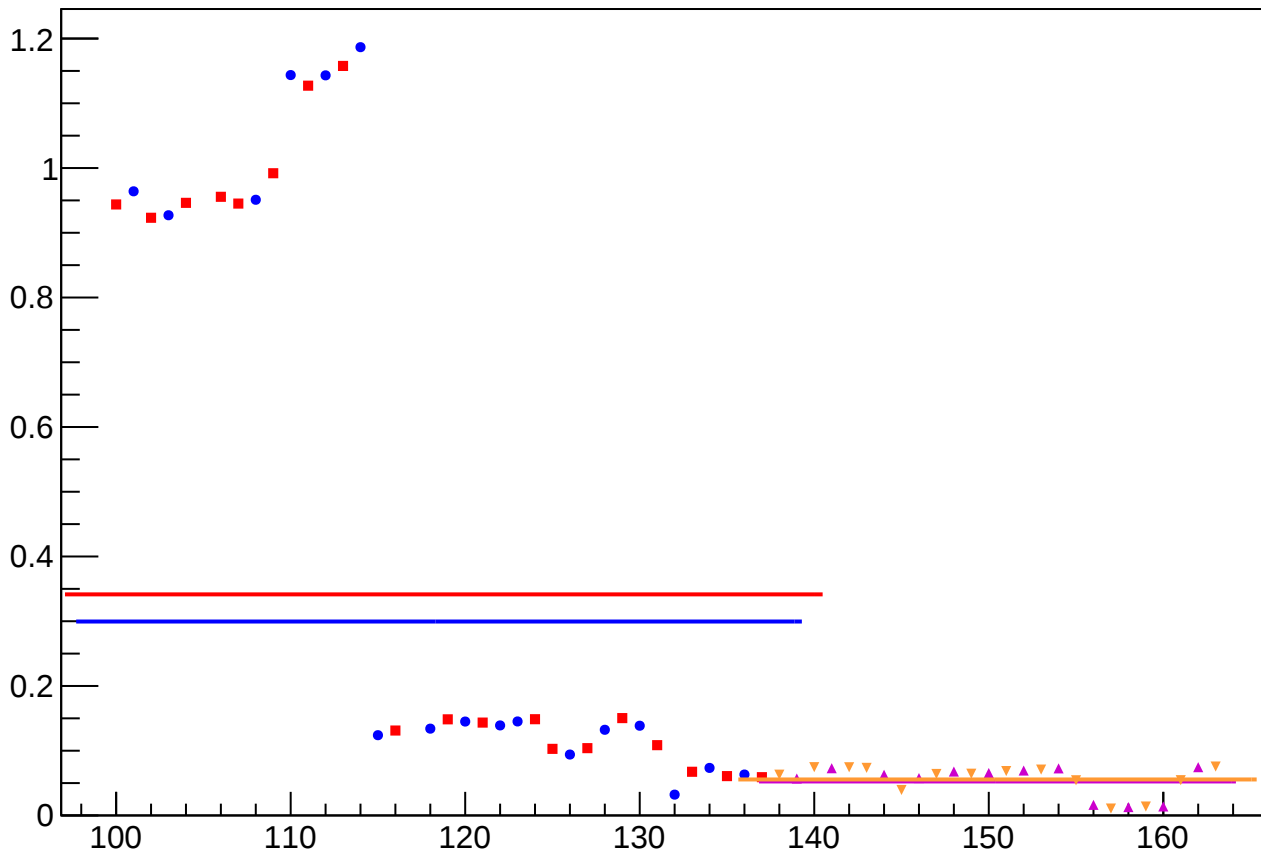
Right: 0.020+/-0.000 χ^2/NDF : 2630434.7/35

In: 0.020+/-0.000 χ^2/NDF : 1658191.8/28

Out: 0.020+/-0.000 χ^2/NDF : 1872747.2/32

All: 0.020+/-0.000 χ^2/NDF : 3531986.9/61

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.056+/-0.000 χ^2/NDF : 37054105.3/13

Right Out: 0.341+/-0.000 χ^2/NDF : 5450600455.1/18

Left In: 0.053+/-0.000 χ^2/NDF : 45455319.5/11

Left: 0.054+/-0.000 χ^2/NDF : 82884533.0/25

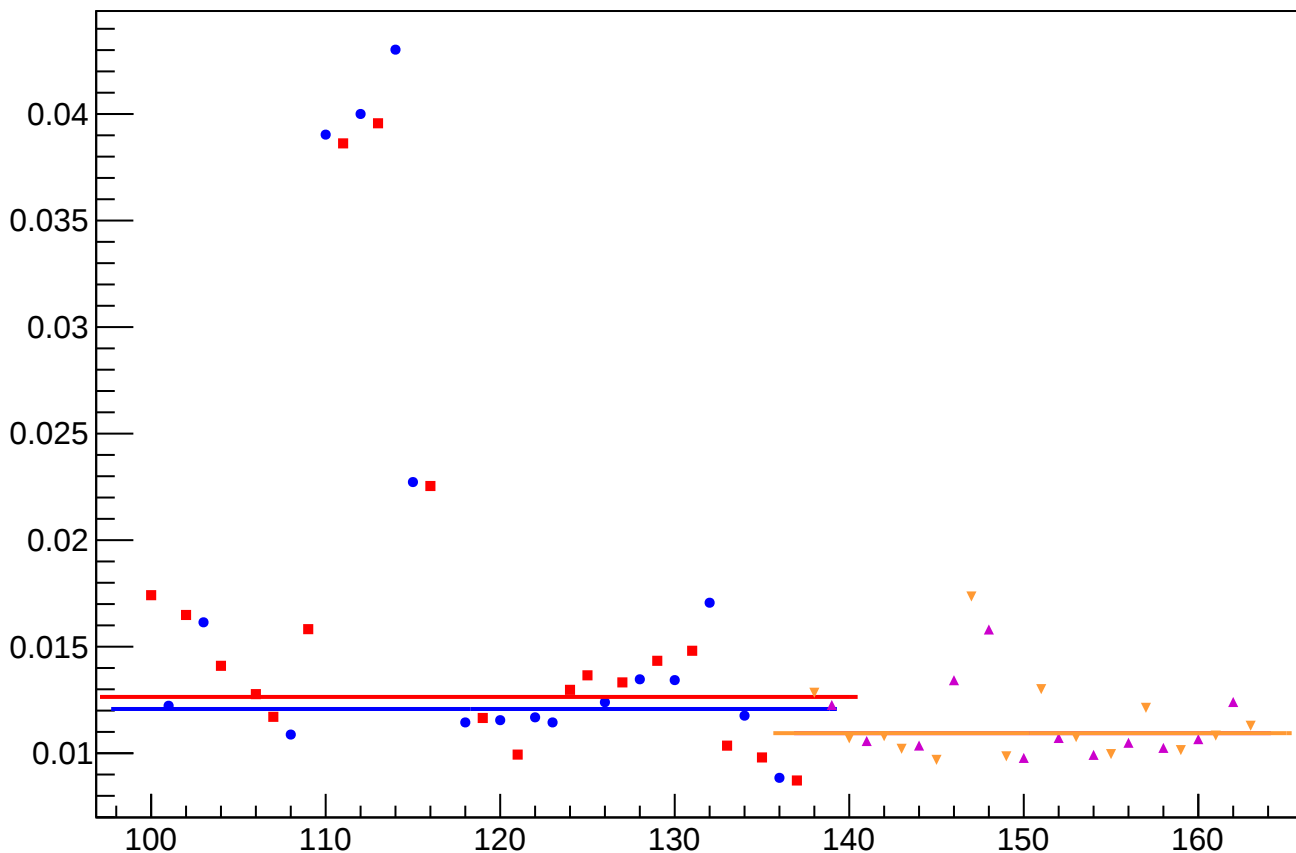
Right: 0.320+/-0.000 χ^2/NDF : 10648917928.5/35

In: 0.135+/-0.000 χ^2/NDF : 6787887869.7/28

Out: 0.144+/-0.000 χ^2/NDF : 7572128521.8/32

All: 0.140+/-0.000 χ^2/NDF : 14364169481.5/6

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1282097.7/16

Left Out: 0.011+/-0.000 χ^2/NDF : 364562.7/13

Right Out: 0.013+/-0.000 χ^2/NDF : 1237706.0/18

Left In: 0.011+/-0.000 χ^2/NDF : 293397.7/11

Left: 0.011+/-0.000 χ^2/NDF : 657960.3/25

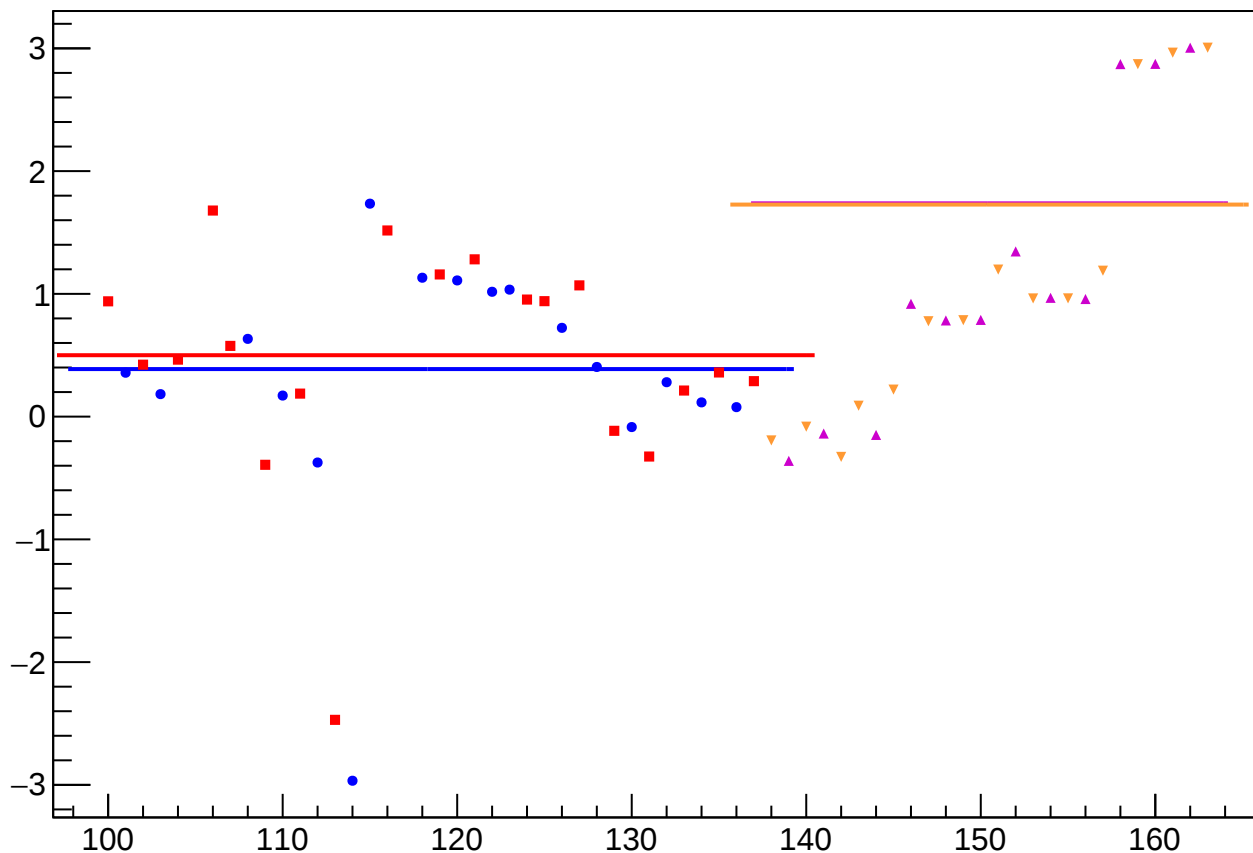
Right: 0.012+/-0.000 χ^2/NDF : 2531931.6/35

In: 0.011+/-0.000 χ^2/NDF : 1642062.8/28

Out: 0.011+/-0.000 χ^2/NDF : 1749746.4/32

All: 0.011+/-0.000 χ^2/NDF : 3394260.2/61

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.387+/-0.000 χ^2/NDF : 247912593.5/16

Left Out: 1.727+/-0.000 χ^2/NDF :23818968975.1/13

Right Out: 0.500+/-0.000 χ^2/NDF : 983360928.1/18

Left In: 1.738+/-0.000 χ^2/NDF :23683215022.2/11

Left: 1.733+/-0.000 χ^2/NDF : 47503429445.6/25

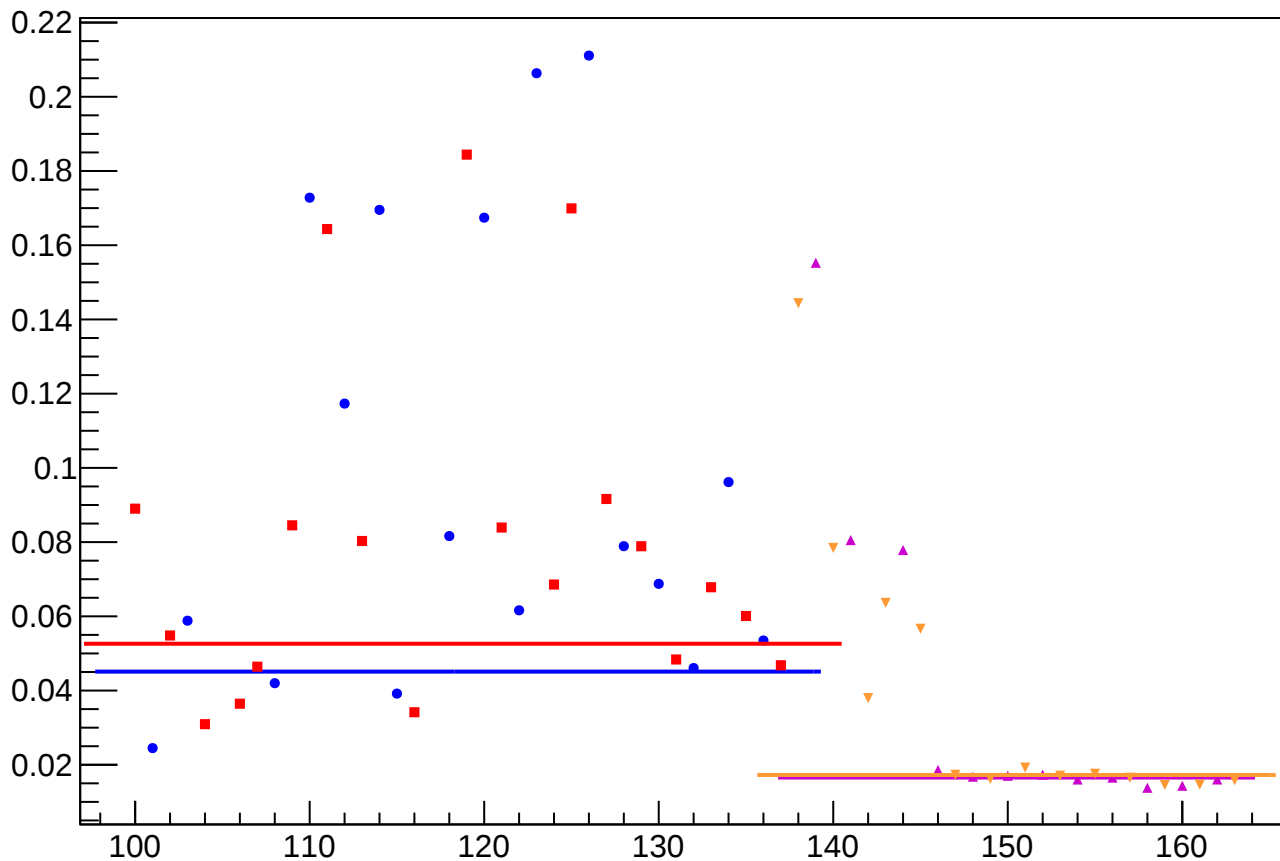
Right: 0.439+/-0.000 χ^2/NDF : 1241544973.3/35

In: 1.648+/-0.000 χ^2/NDF :26908317214.9/28

Out: 1.655+/-0.000 χ^2/NDF :26917695196.1/32

All: 1.651+/-0.000 χ^2/NDF : 53826628011.9/6

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2728476.5/13

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

Left In: 0.017+/-0.000 χ^2/NDF : 2325229.6/11

Left: 0.017+/-0.000 χ^2/NDF : 5065317.0/25

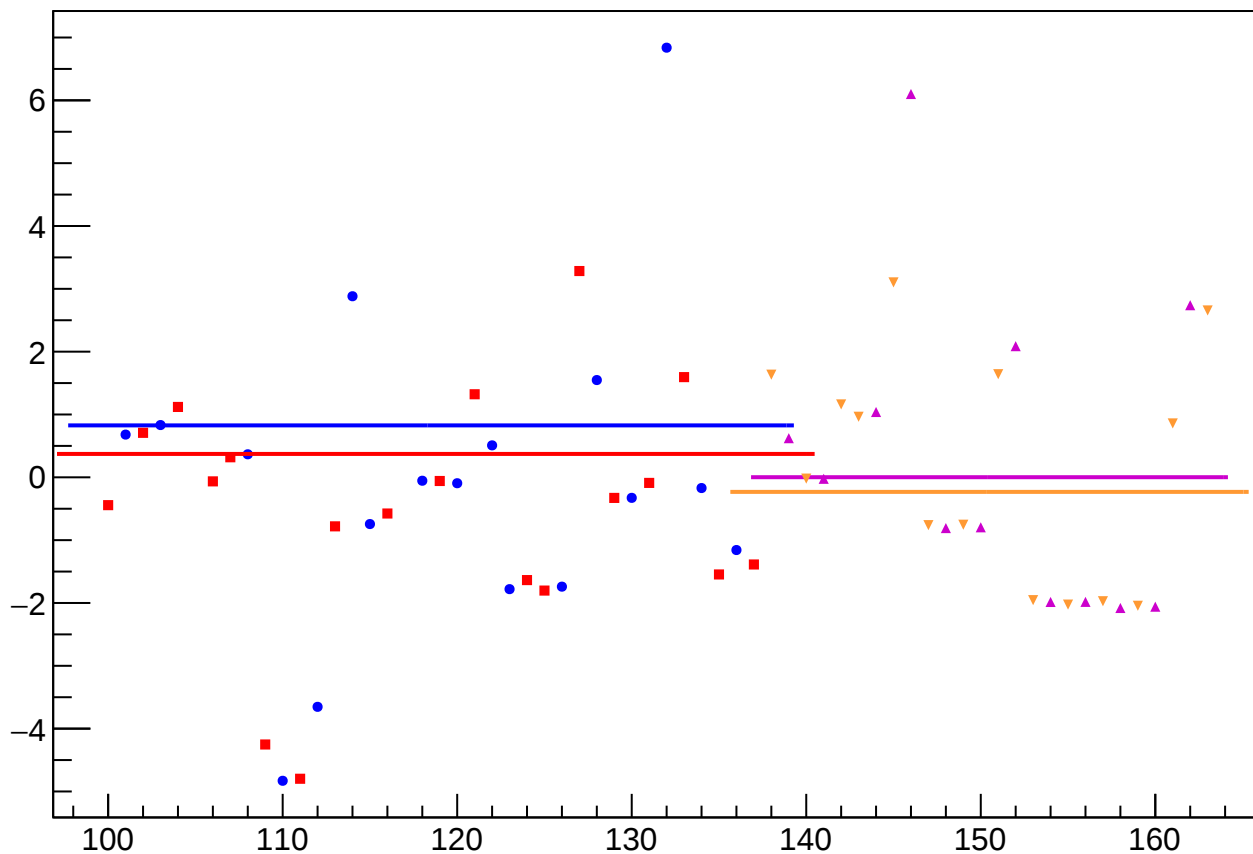
Right: 0.049+/-0.000 χ^2/NDF : 5127581.4/35

In: 0.018+/-0.000 χ^2/NDF : 7833030.5/28

Out: 0.019+/-0.000 χ^2/NDF : 8432625.7/32

All: 0.019+/-0.000 χ^2/NDF : 16286020.0/61

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827+/-0.000 χ^2/NDF : 10936458870.4/16

Left Out: -0.232+/-0.000 χ^2/NDF : 138709502387.8/13

Right Out: 0.372+/-0.000 χ^2/NDF : 4972900338.2/18

Left In: 0.002+/-0.000 χ^2/NDF : 267363769535.3/11

Left: -0.114+/-0.000 χ^2/NDF : 407089051068.8/25

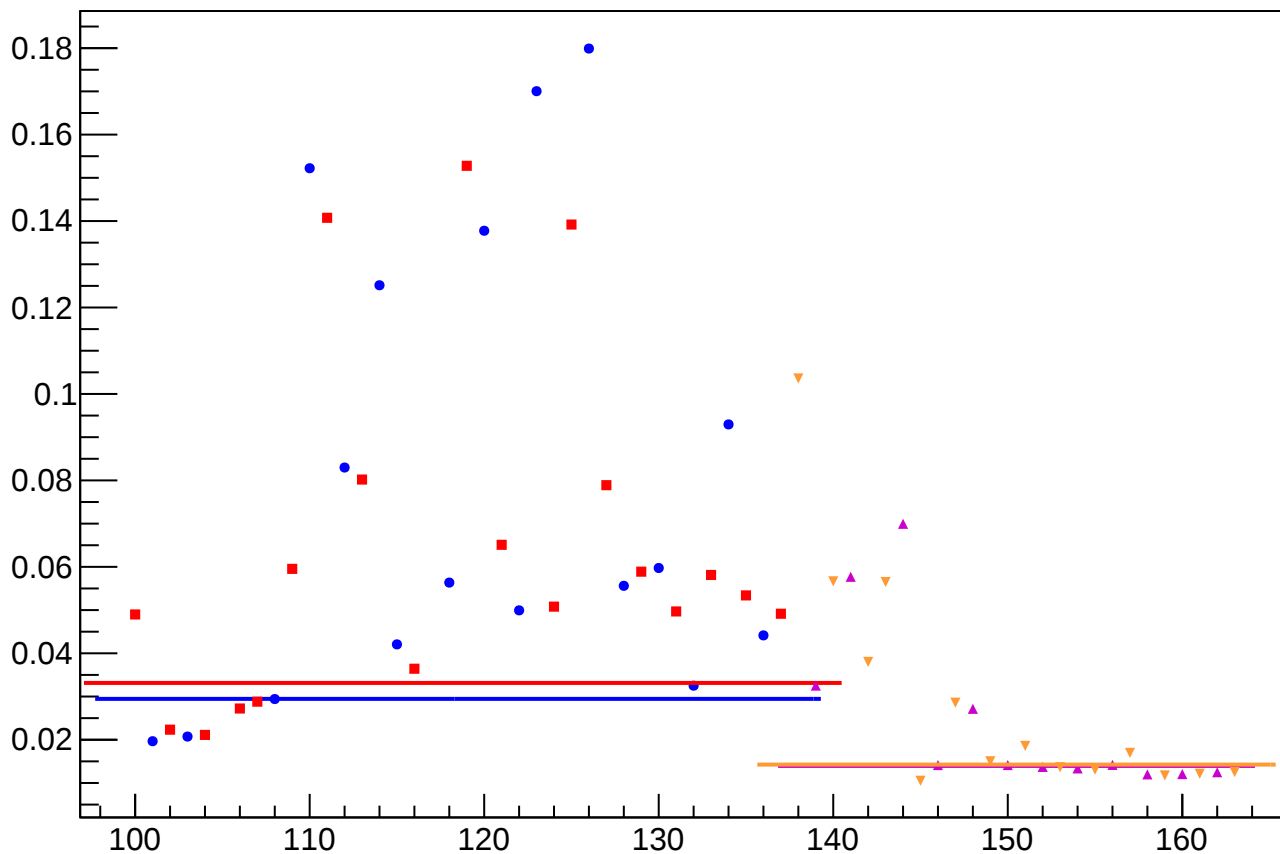
Right: 0.613+/-0.000 χ^2/NDF : 16291516809.6/35

In: 0.080+/-0.000 χ^2/NDF : 280723745086.4/28

Out: -0.179+/-0.000 χ^2/NDF : 144848140301.9/32

All: -0.048+/-0.000 χ^2/NDF : 426947785744.3

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.014+/-0.000 χ^2/NDF : 2784049.2/13

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

Left In: 0.014+/-0.000 χ^2/NDF : 1834693.9/11

Left: 0.014+/-0.000 χ^2/NDF : 4622164.3/25

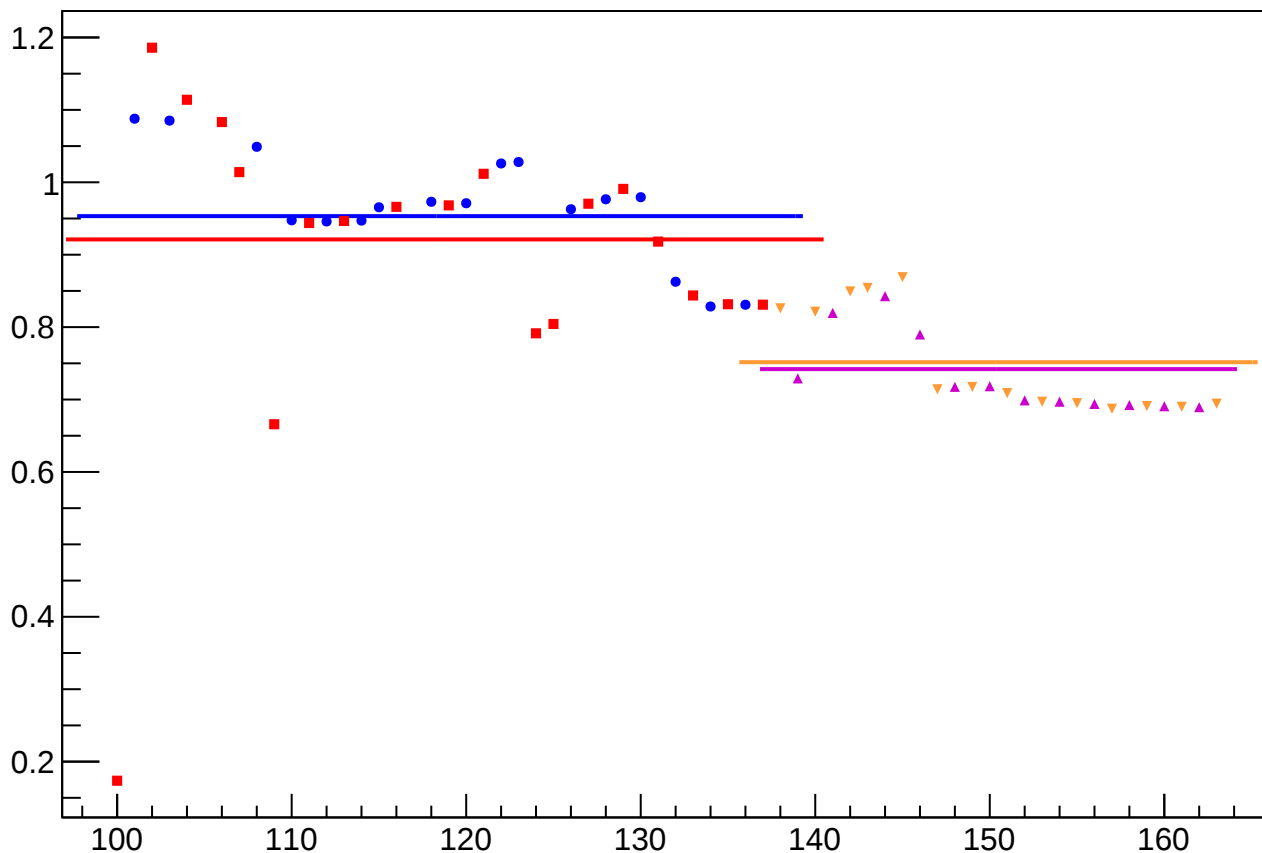
Right: 0.031+/-0.000 χ^2/NDF : 6200704.9/35

In: 0.015+/-0.000 χ^2/NDF : 6603043.8/28

Out: 0.016+/-0.000 χ^2/NDF : 8162633.8/32

All: 0.016+/-0.000 χ^2/NDF : 14774881.7/61

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.752+/-0.000 χ^2/NDF : 249996619.7/13

Right Out: 0.921+/-0.000 χ^2/NDF : 374221279.1/18

Left In: 0.742+/-0.000 χ^2/NDF : 149385591.8/11

Left: 0.747+/-0.000 χ^2/NDF : 401603998.8/25

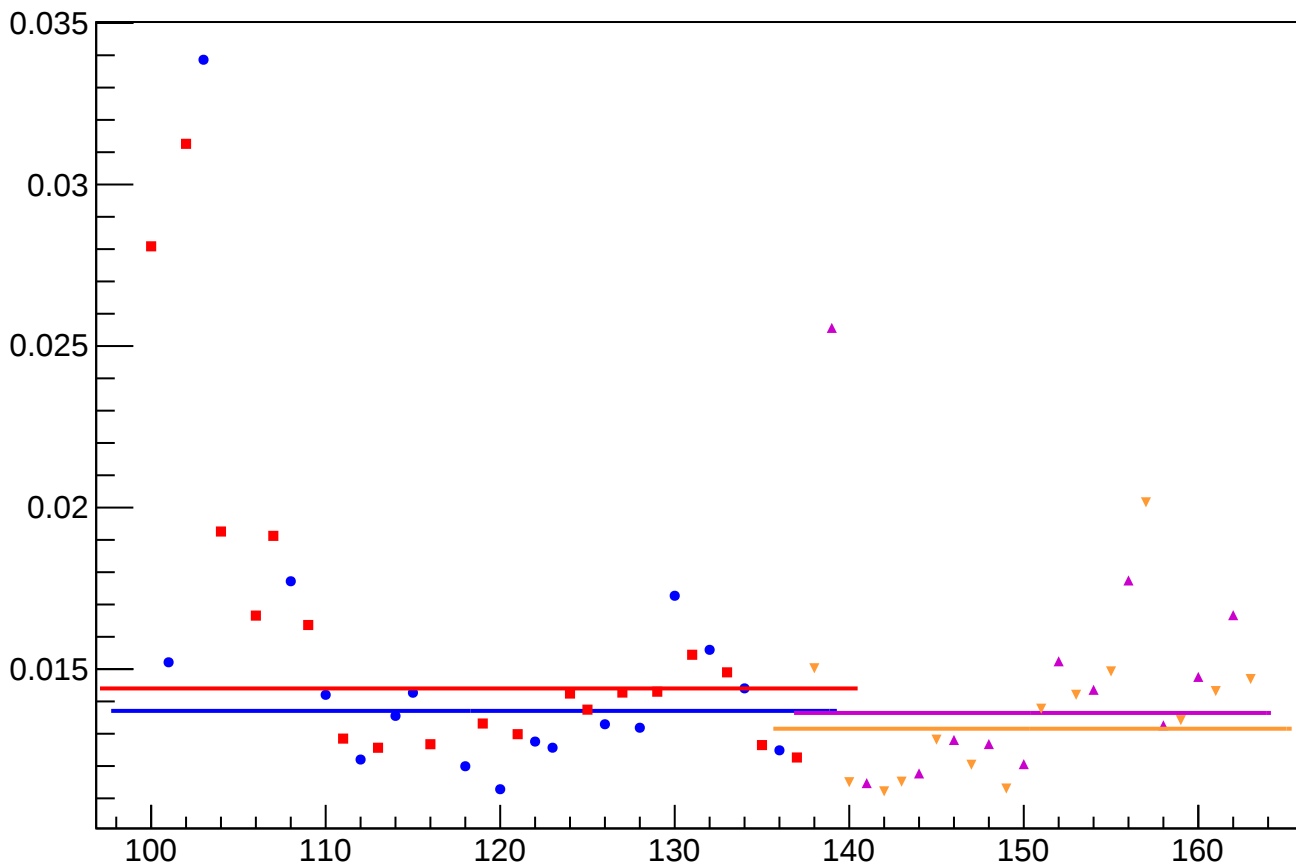
Right: 0.938+/-0.000 χ^2/NDF : 565209467.5/35

In: 0.827+/-0.000 χ^2/NDF : 1147919543.0/28

Out: 0.813+/-0.000 χ^2/NDF : 1163902771.1/32

All: 0.820+/-0.000 χ^2/NDF : 2320415004.9/63

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546317.6/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:341434.2/13

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:566162.8/11

Left: 0.013 $\pm$ 0.000 χ^2 /NDF: 919193.2/25

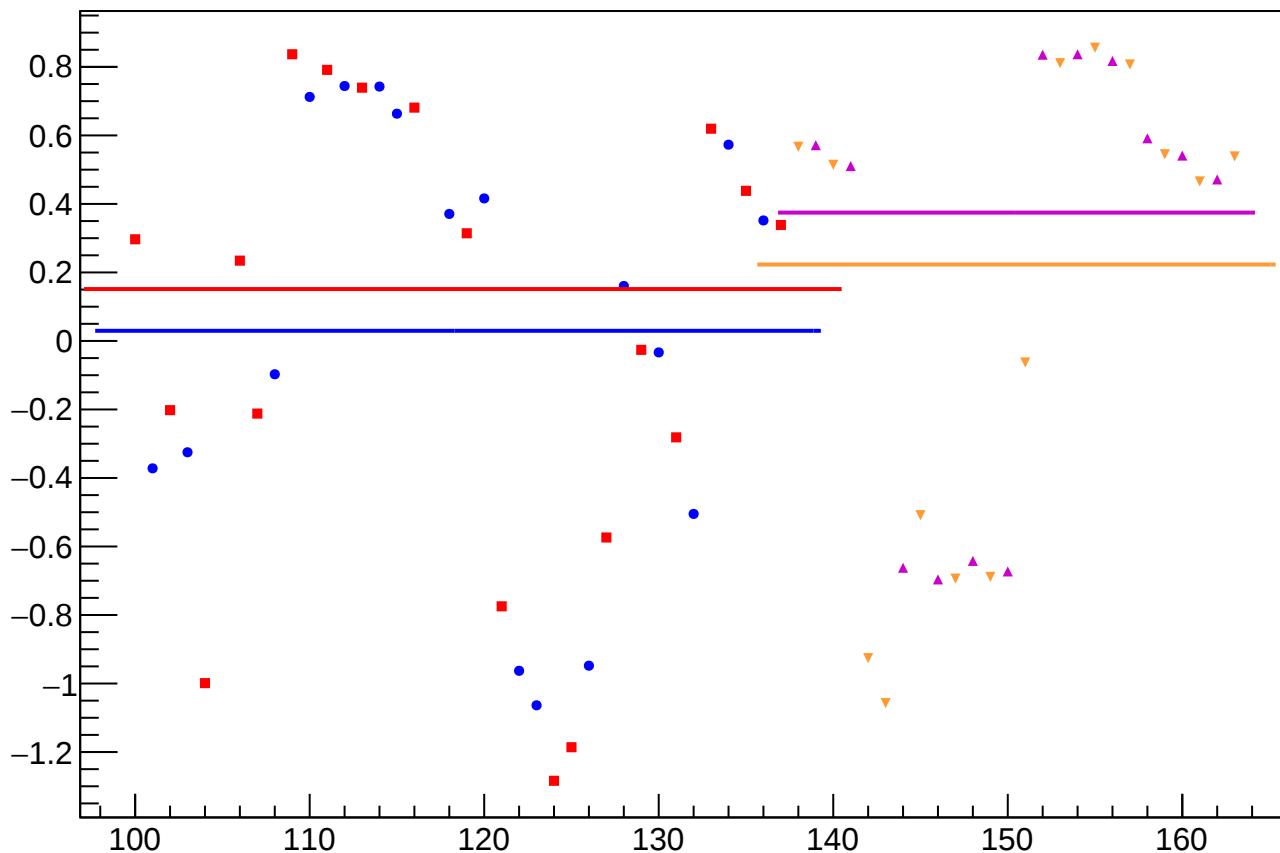
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 1062610.4/35

In: 0.014 $\pm$ 0.000 χ^2 /NDF:1112631.2/28

Out: 0.014 $\pm$ 0.000 χ^2 /NDF:901541.3/32

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2014506.1/61

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000

χ^2/NDF : 6294824795.0/16

Left: 0.296+/-0.000

χ^2/NDF : 40693519425.1/25

Left Out: 0.223+/-0.000

χ^2/NDF : 23909261370.8/13

Right: 0.096+/-0.000

χ^2/NDF : 19149304558.7/35

Right Out: 0.152+/-0.000

χ^2/NDF : 12661812059.7/18

In: 0.278+/-0.000

χ^2/NDF : 24386336615.5/28

Out: 0.201+/-0.000

χ^2/NDF : 36673234799.2/32

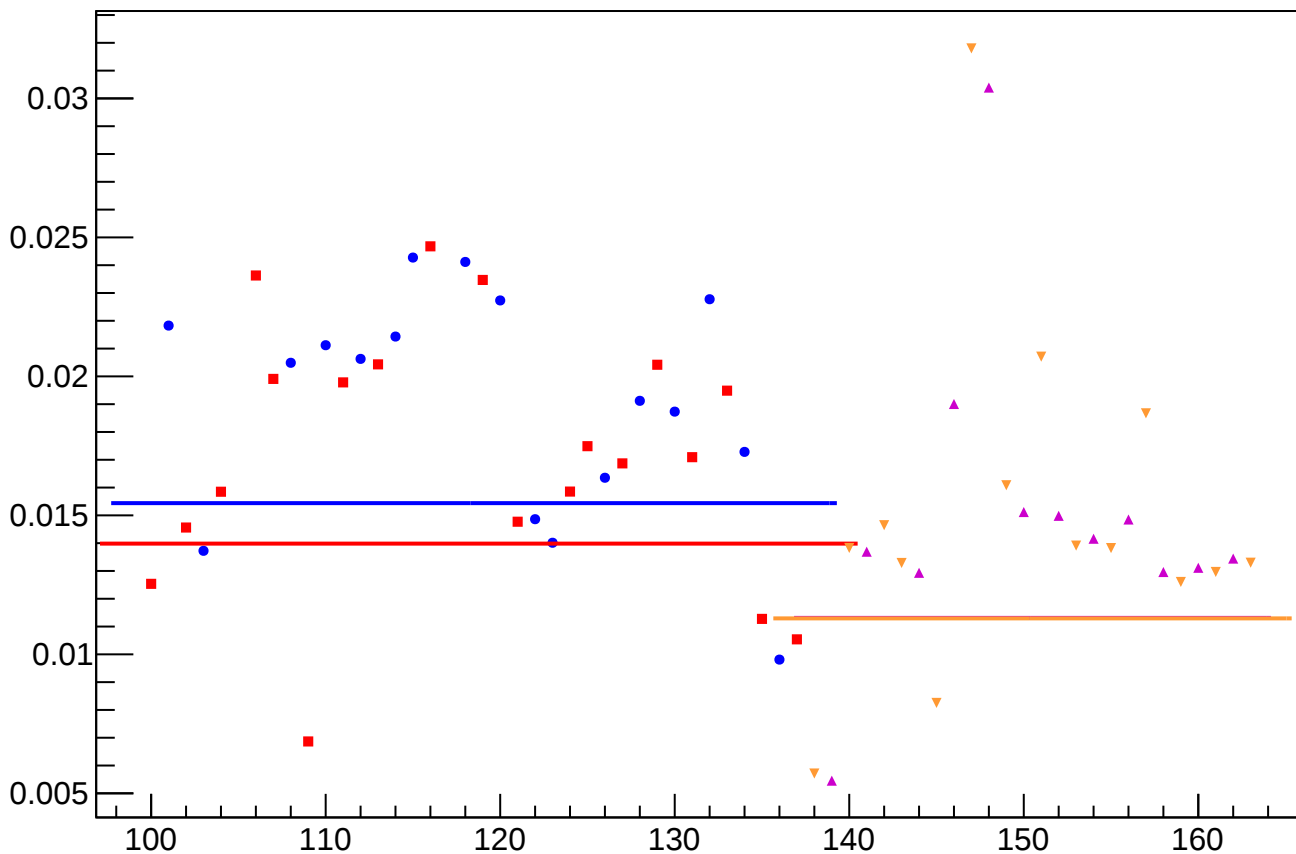
Left In: 0.375+/-0.000

χ^2/NDF : 16055163709.8/11

All: 0.238+/-0.000

χ^2/NDF : 61325218919.9/6

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.011+/-0.000 χ^2/NDF : 2874176.6/13

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

Left In: 0.011+/-0.000 χ^2/NDF : 2806528.2/11

Left: 0.011+/-0.000 χ^2/NDF : 5680724.8/25

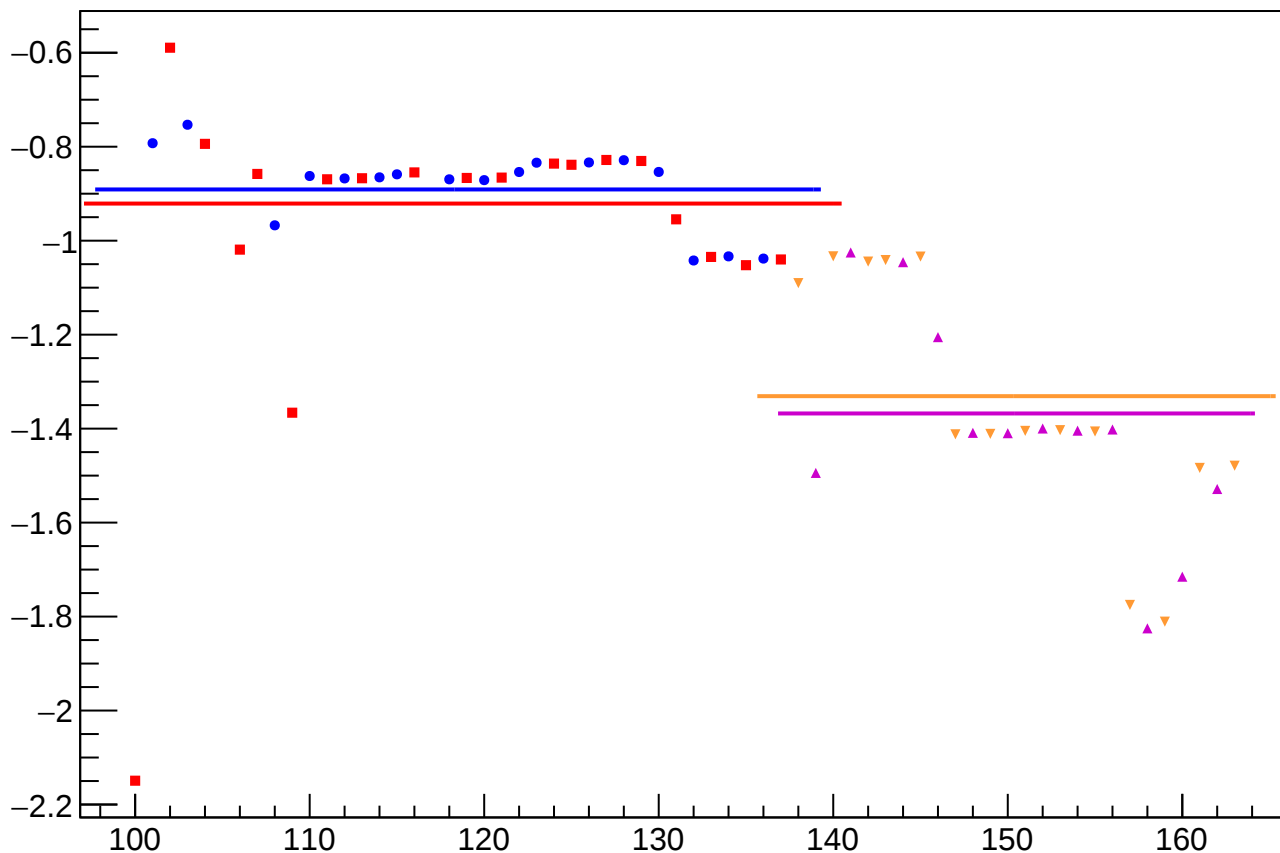
Right: 0.015+/-0.000 χ^2/NDF : 2777678.6/35

In: 0.012+/-0.000 χ^2/NDF : 4551528.6/28

Out: 0.012+/-0.000 χ^2/NDF : 4723626.8/32

All: 0.012+/-0.000 χ^2/NDF : 9286316.7/61

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.891 ± 0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.331 ± 0.000 χ^2/NDF : 460772748.6/13

Right Out: -0.921 ± 0.000 χ^2/NDF : 131183059.9/18

Left In: -1.368 ± 0.000 χ^2/NDF : 410912250.5/11

Left: -1.348 ± 0.000 χ^2/NDF : 876690512.4/25

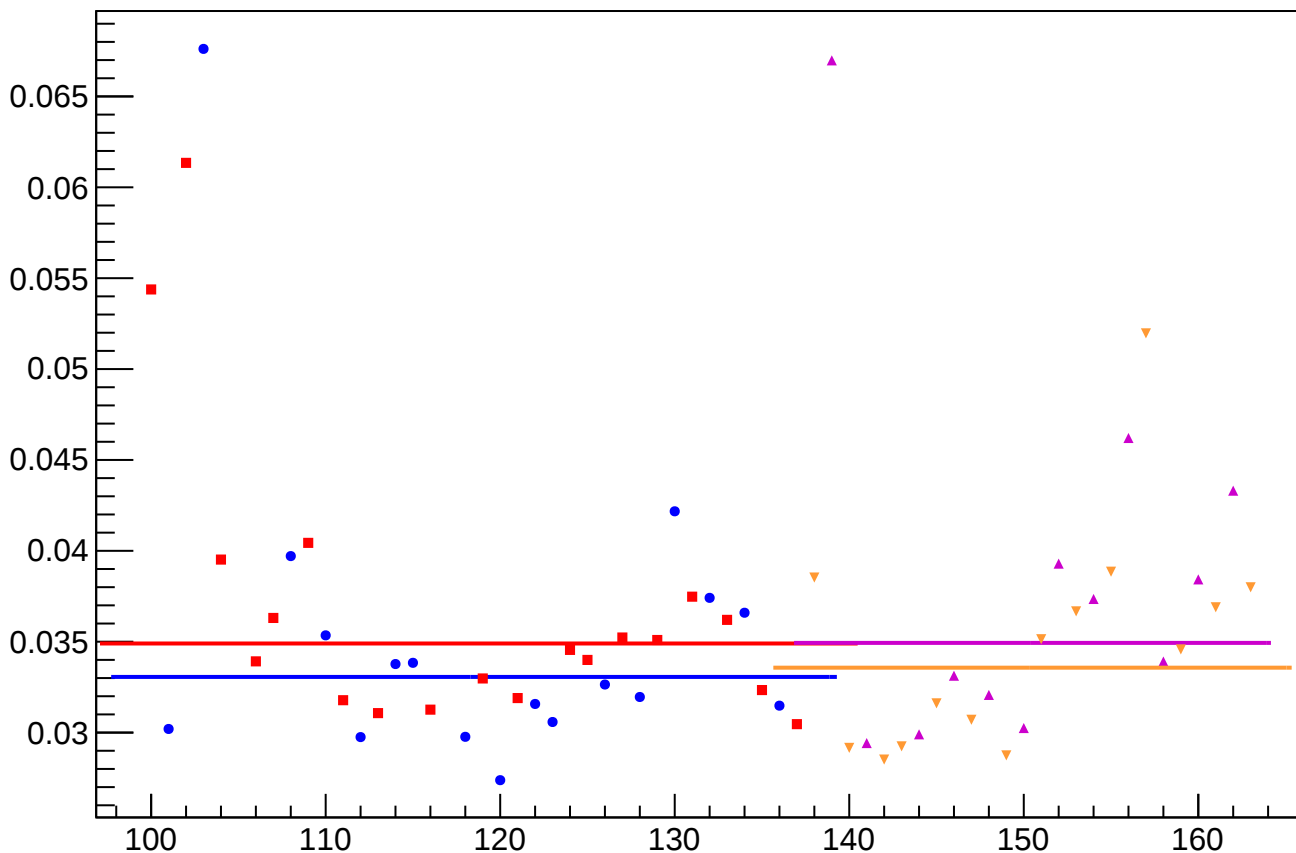
Right: -0.906 ± 0.000 χ^2/NDF : 173111604.1/35

In: -1.159 ± 0.000 χ^2/NDF : 1137414816.0/28

Out: -1.171 ± 0.000 χ^2/NDF : 1110546043.6/32

All: -1.165 ± 0.000 χ^2/NDF : 2248893538.1/6

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.034+/-0.000 χ^2/NDF :372068.1/13

Right Out: 0.035+/-0.000 χ^2/NDF : 274270.8/18

Left In: 0.035+/-0.000 χ^2/NDF :617609.1/11

Left: 0.034+/-0.000 χ^2/NDF : 1003409.5/25

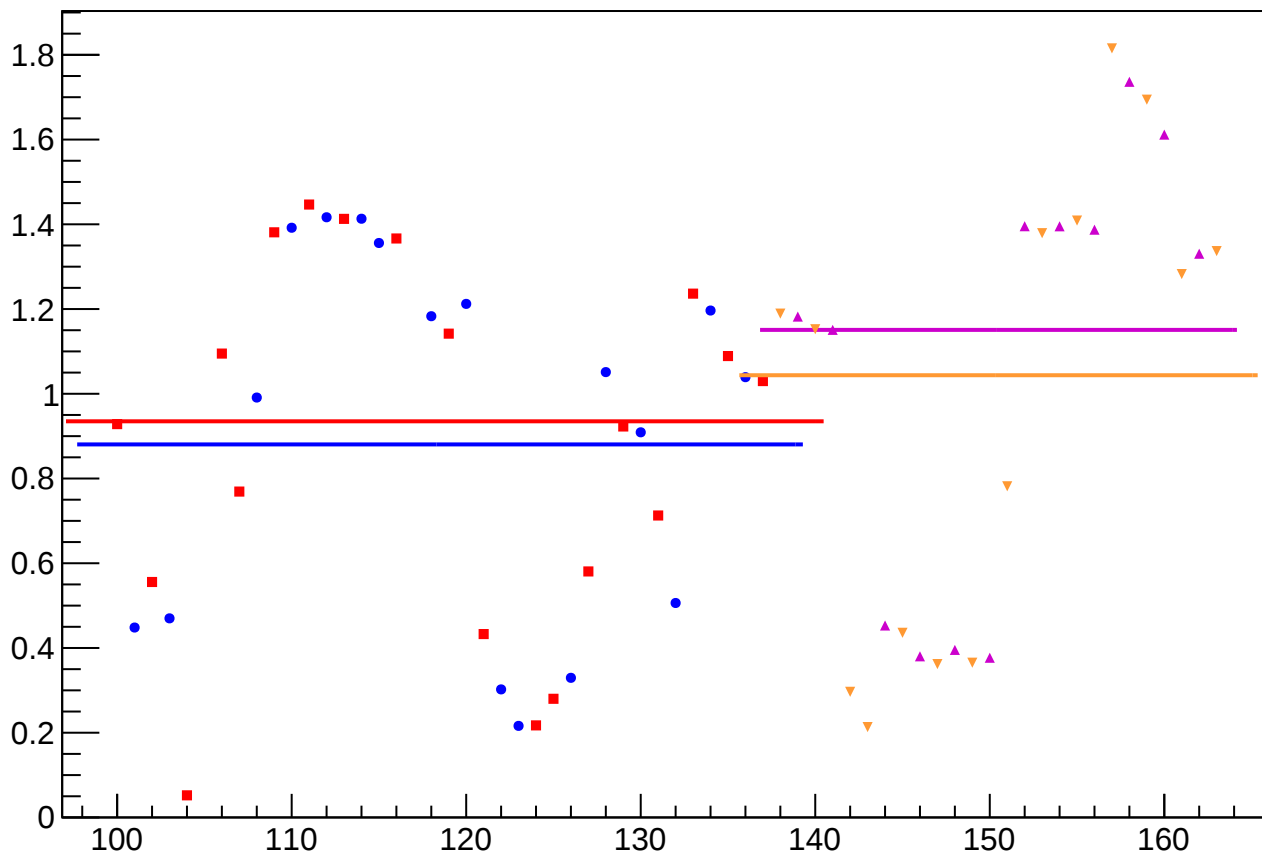
Right: 0.034+/-0.000 χ^2/NDF : 701180.7/35

In: 0.034+/-0.000 χ^2/NDF :1048088.8/28

Out: 0.034+/-0.000 χ^2/NDF :657270.5/32

All: 0.034+/-0.000 χ^2/NDF : 1705368.3/61

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.880 ± 0.000 $\chi^2/\text{NDF}: 6400108121.4/16$

Left Out: 1.044 ± 0.000 $\chi^2/\text{NDF}: 29388445877.4/13$

Right Out: 0.935 ± 0.000 $\chi^2/\text{NDF}: 9833525935.6/18$

Left In: 1.151 ± 0.000 $\chi^2/\text{NDF}: 21728382453.2/11$

Left: 1.095 ± 0.000 $\chi^2/\text{NDF}: 51802369480.8/25$

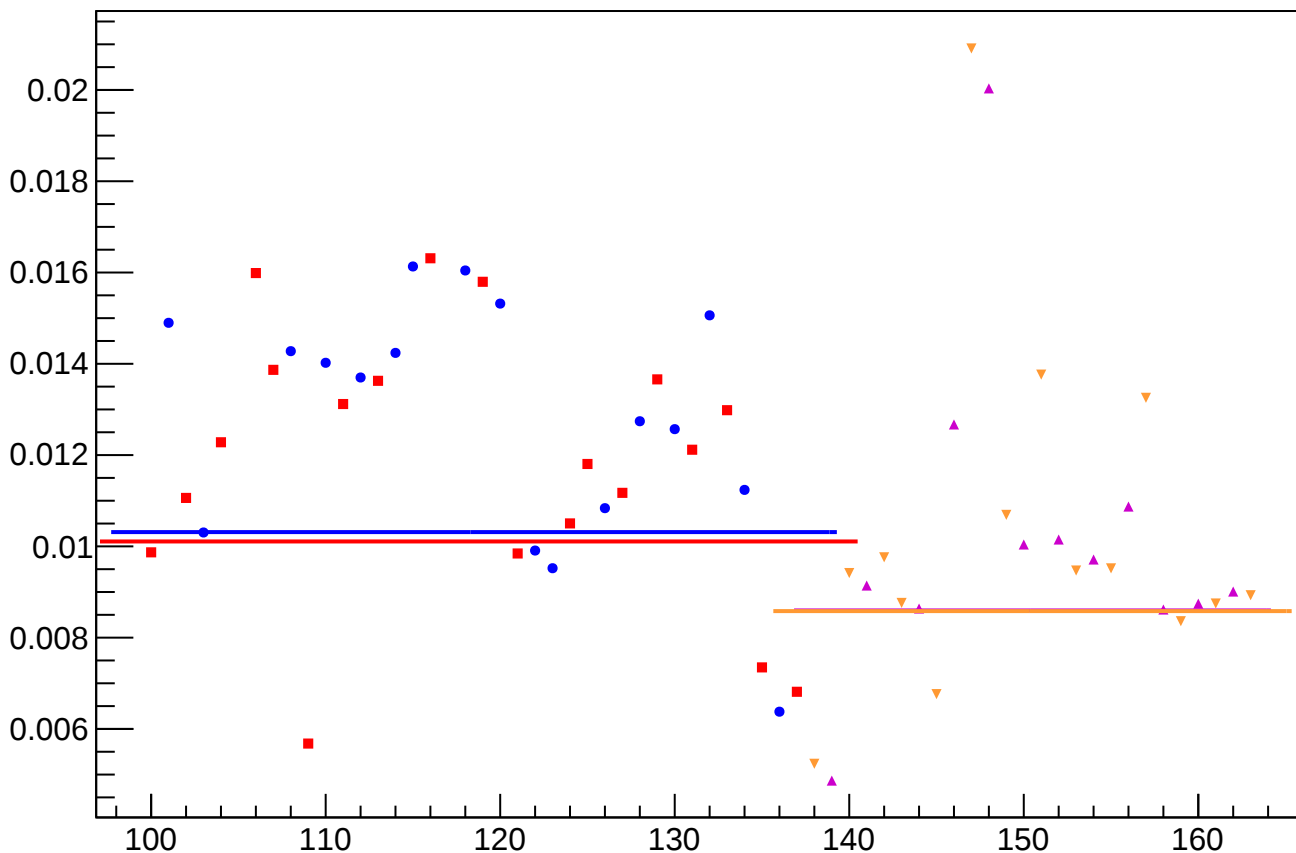
Right: 0.909 ± 0.000 $\chi^2/\text{NDF}: 16315238009.2/35$

In: 1.066 ± 0.000 $\chi^2/\text{NDF}: 30773920500.2/28$

Out: 1.010 ± 0.000 $\chi^2/\text{NDF}: 39684937868.7/32$

All: 1.037 ± 0.000 $\chi^2/\text{NDF}: 70737476028.8/66$

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1655633.6/13

Right Out: 0.010+/-0.000 χ^2/NDF : 1178489.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 1557248.6/11

Left: 0.009+/-0.000 χ^2/NDF : 3212908.5/25

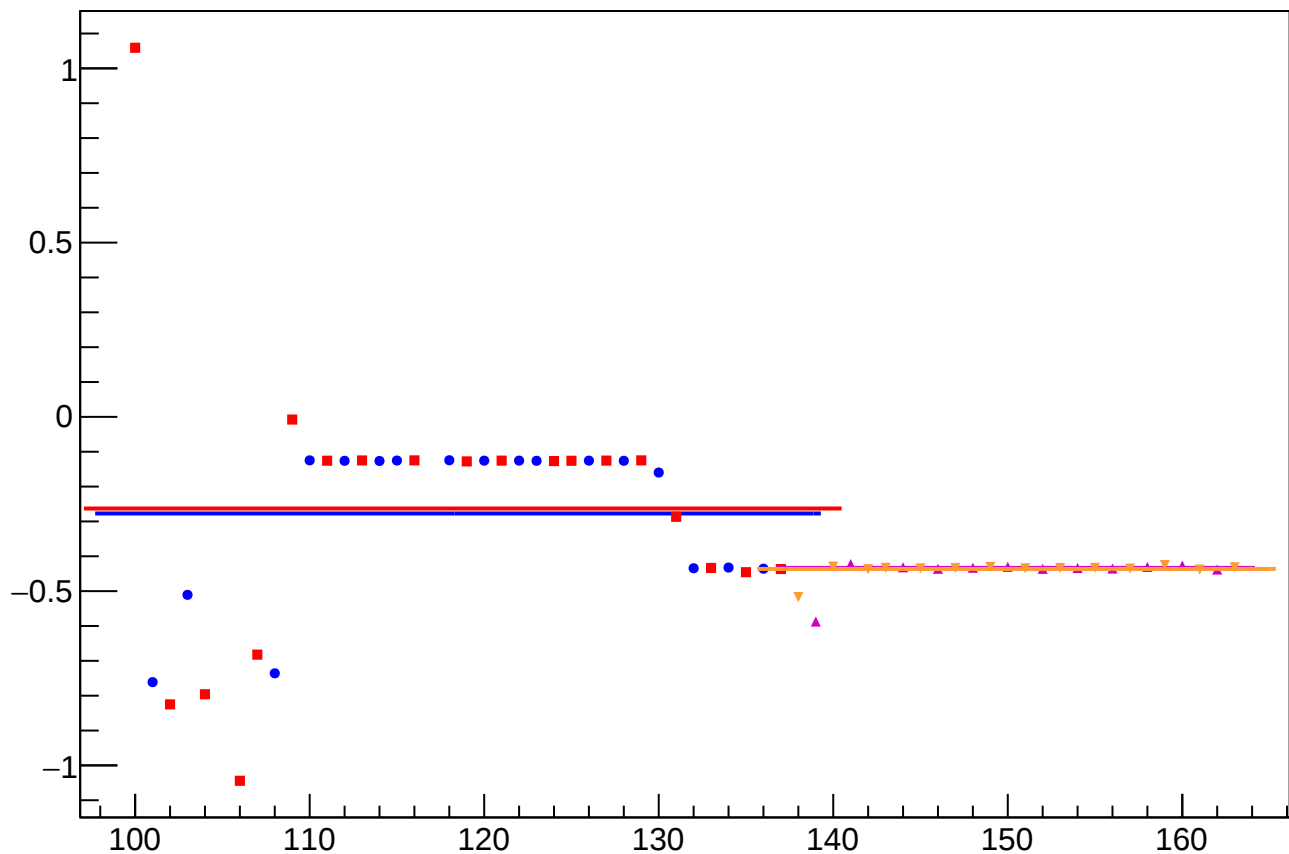
Right: 0.010+/-0.000 χ^2/NDF : 2411867.8/35

In: 0.009+/-0.000 χ^2/NDF : 3001607.1/28

Out: 0.009+/-0.000 χ^2/NDF : 3016408.5/32

All: 0.009+/-0.000 χ^2/NDF : 6018933.2/61

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.277+/-0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.436+/-0.000 χ^2/NDF :25595877.1/13

Right Out: -0.263+/-0.000 χ^2/NDF : 1008398102.0/18

Left In: -0.433+/-0.000 χ^2/NDF :23350215.6/11

Left: -0.435+/-0.000 χ^2/NDF : 49297740.9/25

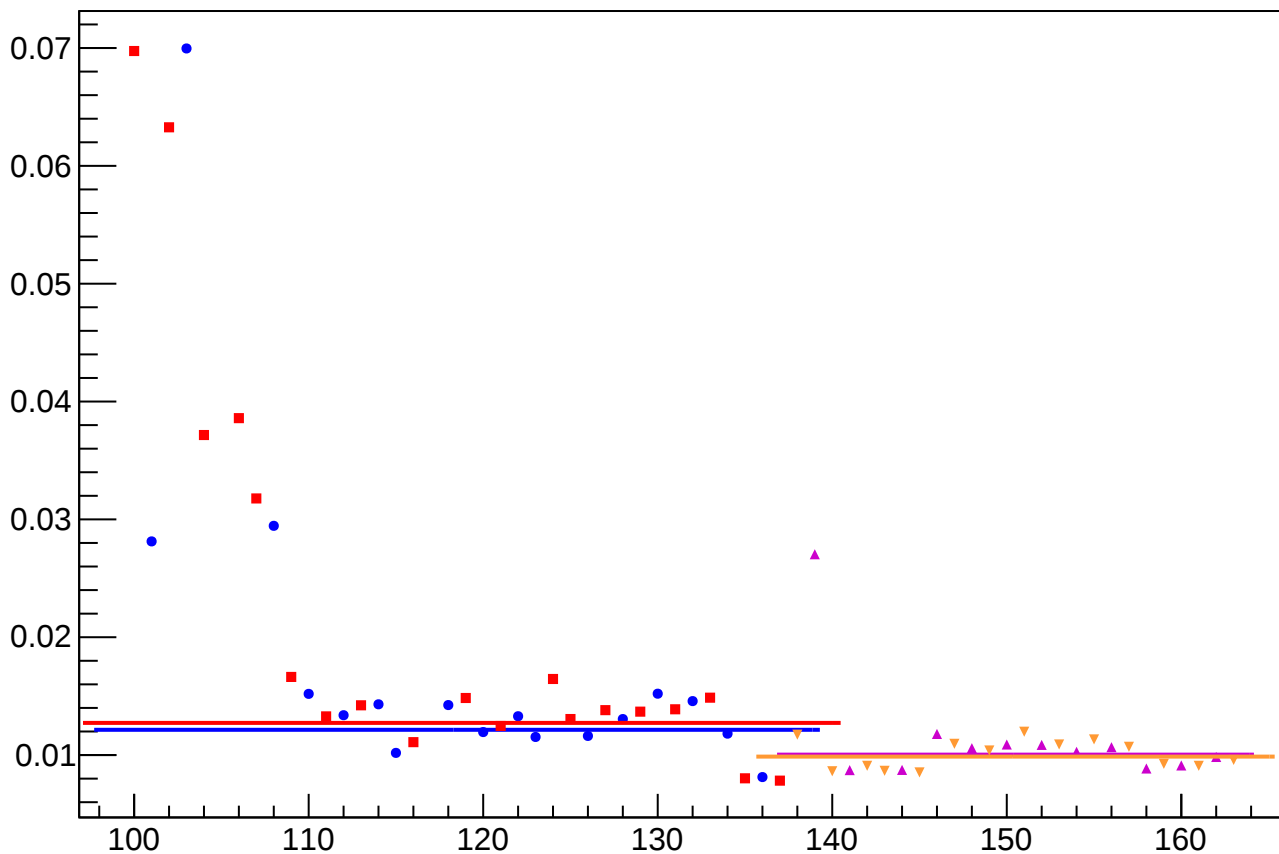
Right: -0.270+/-0.000 χ^2/NDF : 1952121842.2/35

In: -0.388+/-0.000 χ^2/NDF :1519257409.4/28

Out: -0.392+/-0.000 χ^2/NDF :1705946154.4/32

All: -0.390+/-0.000 χ^2/NDF : 3226161103.9/6

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1727494.7/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:224039.8/13

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:680266.7/11

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 906638.4/25

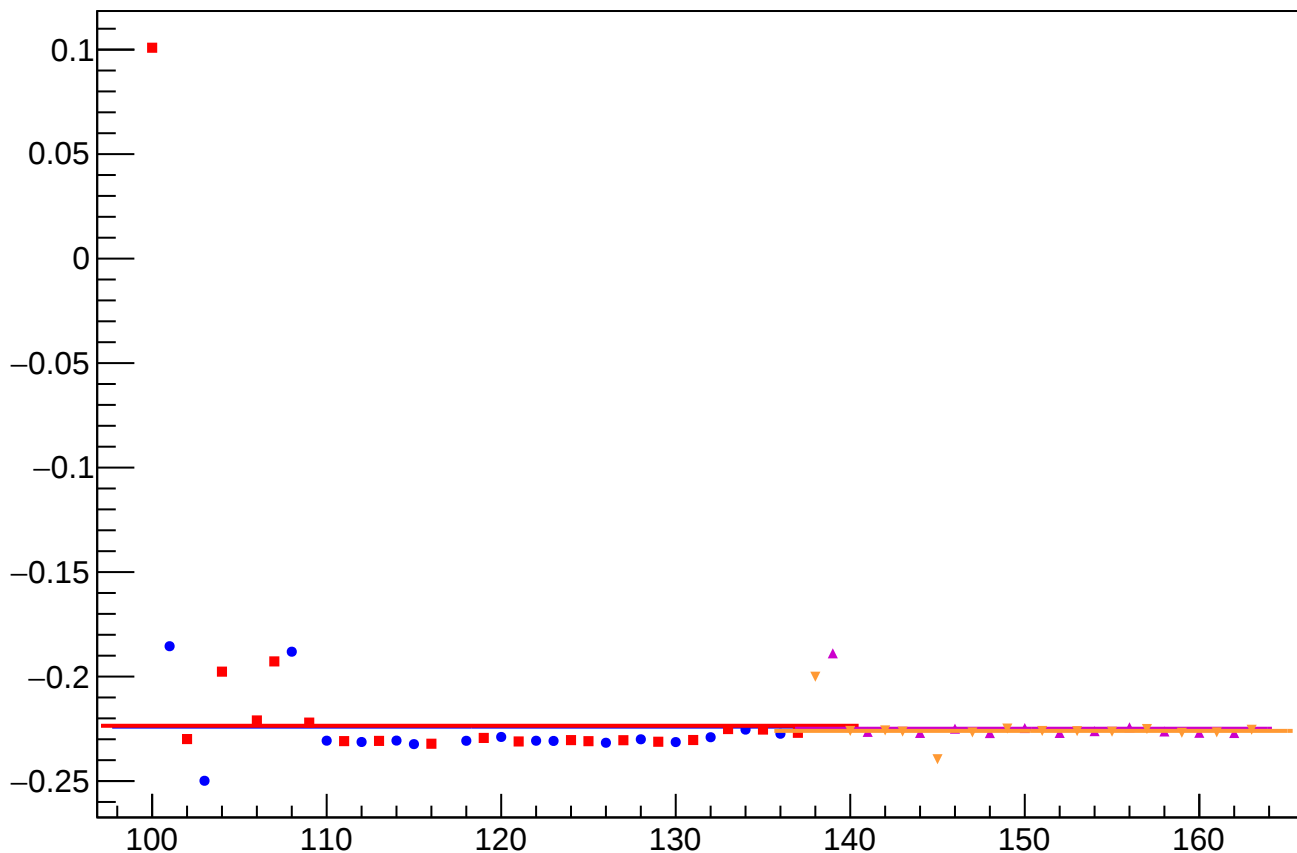
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3707277.9/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2609898.6/28

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:2558917.9/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5169119.7/61

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224 ± 0.000 χ^2/NDF : 74704721.6/16

Left Out: -0.226 ± 0.000 χ^2/NDF : 20582952.8/13

Right Out: -0.224 ± 0.000 χ^2/NDF : 168125914.6/18

Left In: -0.225 ± 0.000 χ^2/NDF : 14244651.2/11

Left: -0.226 ± 0.000 χ^2/NDF : 35012848.6/25

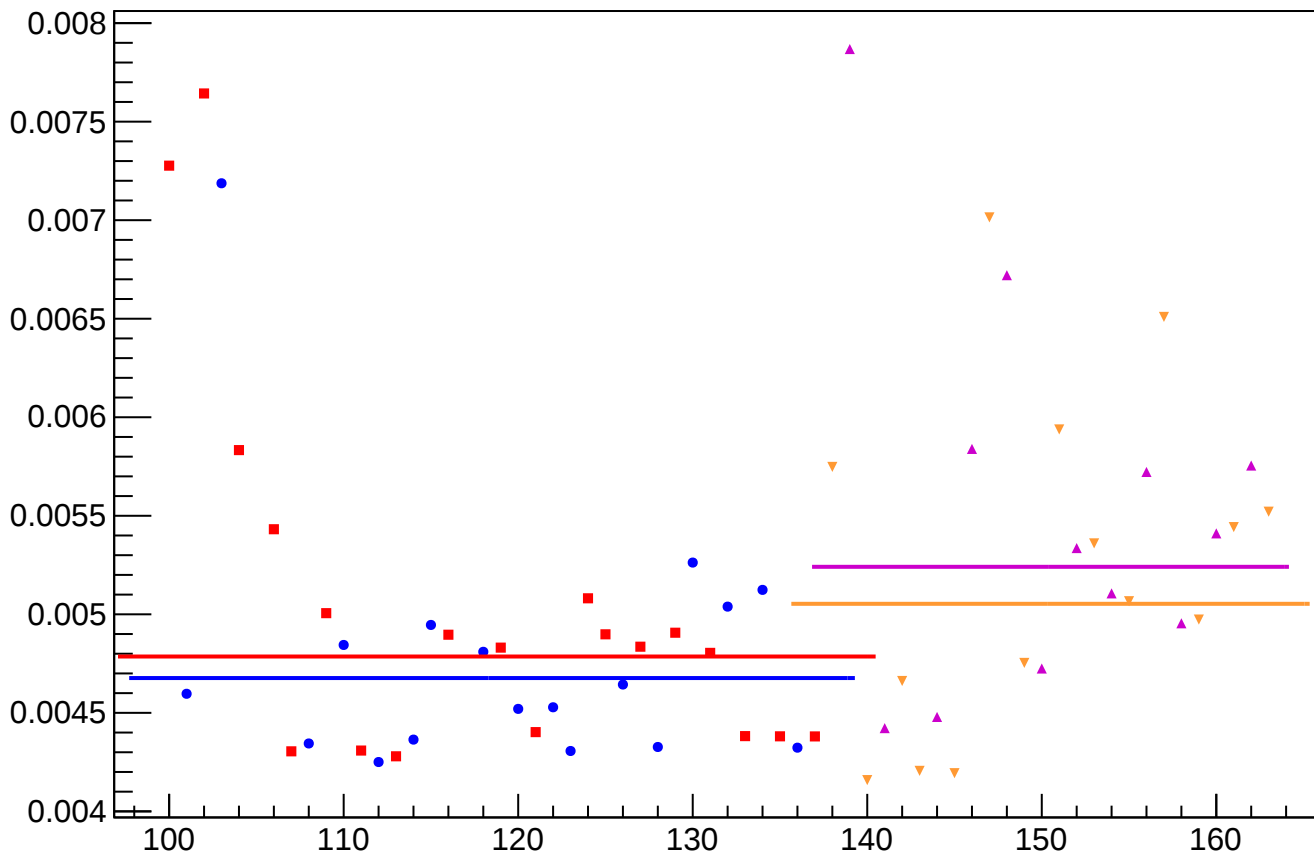
Right: -0.224 ± 0.000 χ^2/NDF : 242852935.9/35

In: -0.224 ± 0.000 χ^2/NDF : 89103433.5/28

Out: -0.225 ± 0.000 χ^2/NDF : 189665141.3/32

All: -0.225 ± 0.000 χ^2/NDF : 278832540.6/61

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 181335.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 445172.3/13

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

Left In: 0.005+/-0.000 χ^2/NDF : 381363.6/11

Left: 0.005+/-0.000 χ^2/NDF : 838893.9/25

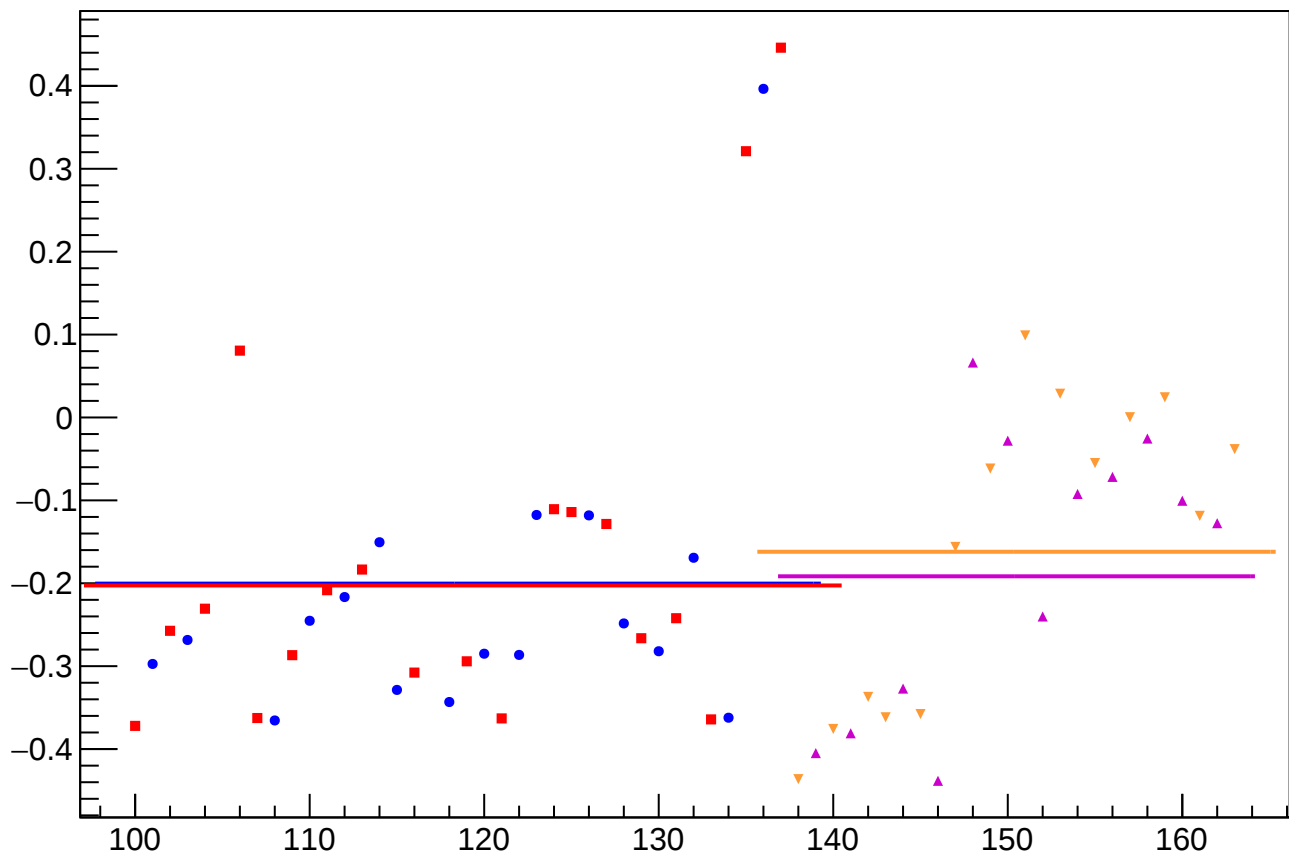
Right: 0.005+/-0.000 χ^2/NDF : 432848.2/35

In: 0.005+/-0.000 χ^2/NDF : 658257.1/28

Out: 0.005+/-0.000 χ^2/NDF : 716297.5/32

All: 0.005+/-0.000 χ^2/NDF : 1375752.4/61

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.162+/-0.000 χ^2/NDF : 10816003561.5/13

Right Out: -0.203+/-0.000 χ^2/NDF : 5028268807.1/18

Left In: -0.192+/-0.000 χ^2/NDF : 7397567278.1/11

Left: -0.176+/-0.000 χ^2/NDF : 18352133289.1/25

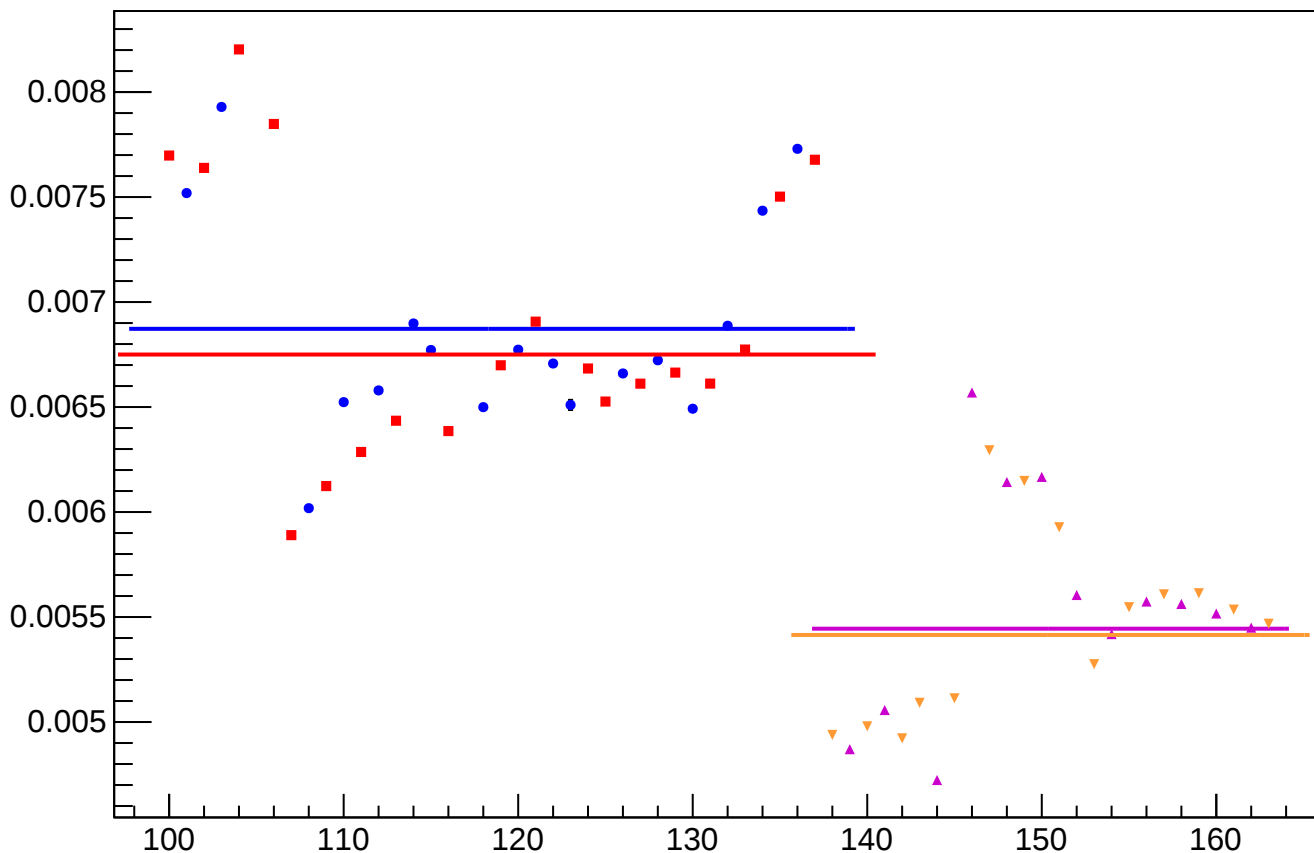
Right: -0.202+/-0.000 χ^2/NDF : 11002181720.9/35

In: -0.194+/-0.000 χ^2/NDF : 13378532479.9/28

Out: -0.175+/-0.000 χ^2/NDF : 16015854678.9/32

All: -0.184+/-0.000 χ^2/NDF : 29483850681.8/64

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF :105535.0/13

Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

Left In: 0.005+/-0.000 χ^2/NDF :143886.2/11

Left: 0.005+/-0.000 χ^2/NDF : 249703.3/25

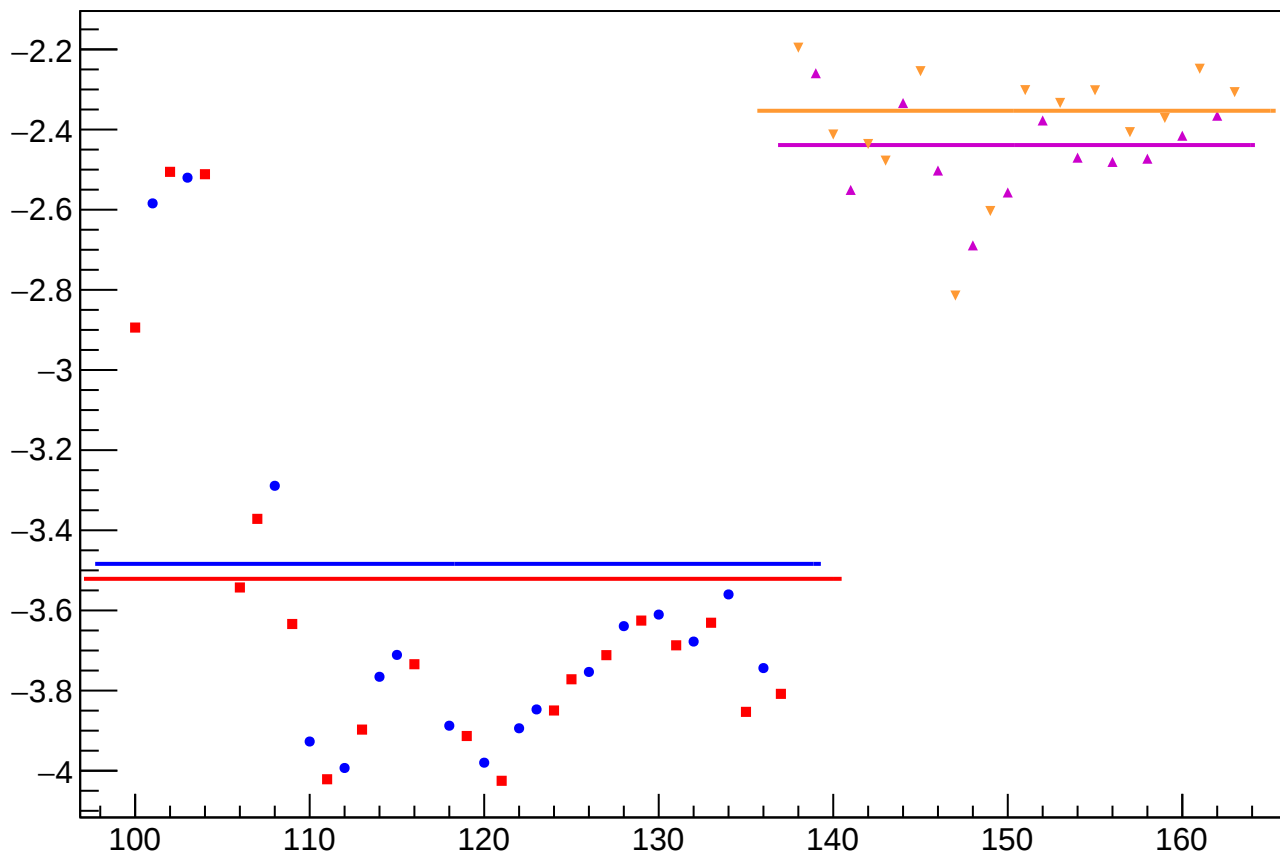
Right: 0.007+/-0.000 χ^2/NDF : 185903.4/35

In: 0.006+/-0.000 χ^2/NDF :610204.6/28

Out: 0.006+/-0.000 χ^2/NDF :580826.1/32

All: 0.006+/-0.000 χ^2/NDF : 1192909.4/61

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.353+/-0.000 χ^2/NDF : 1652729378.9/13

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

Left In: -2.439+/-0.000 χ^2/NDF : 932105661.9/11

Left: -2.394+/-0.000 χ^2/NDF : 3012006686.5/25

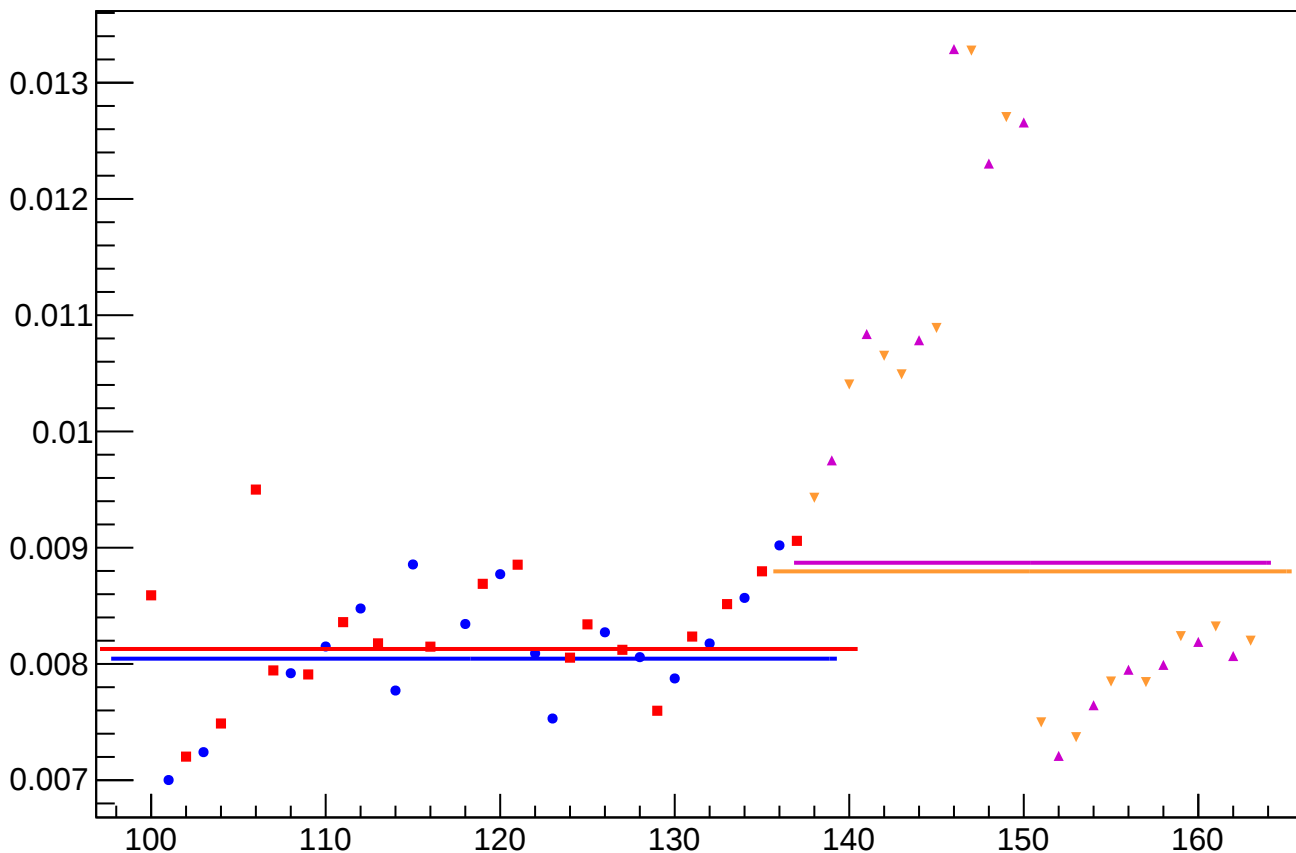
Right: -3.503+/-0.000 χ^2/NDF : 53717081893.8/35

In: -2.935+/-0.000 χ^2/NDF : 85794914487.5/28

Out: -2.885+/-0.000 χ^2/NDF : 104329393242.5/32

All: -2.909+/-0.000 χ^2/NDF : 190397807742.0

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 71989.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 581610.0/13

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

Left In: 0.009+/-0.000 χ^2/NDF : 683865.7/11

Left: 0.009+/-0.000 χ^2/NDF : 1266118.2/25

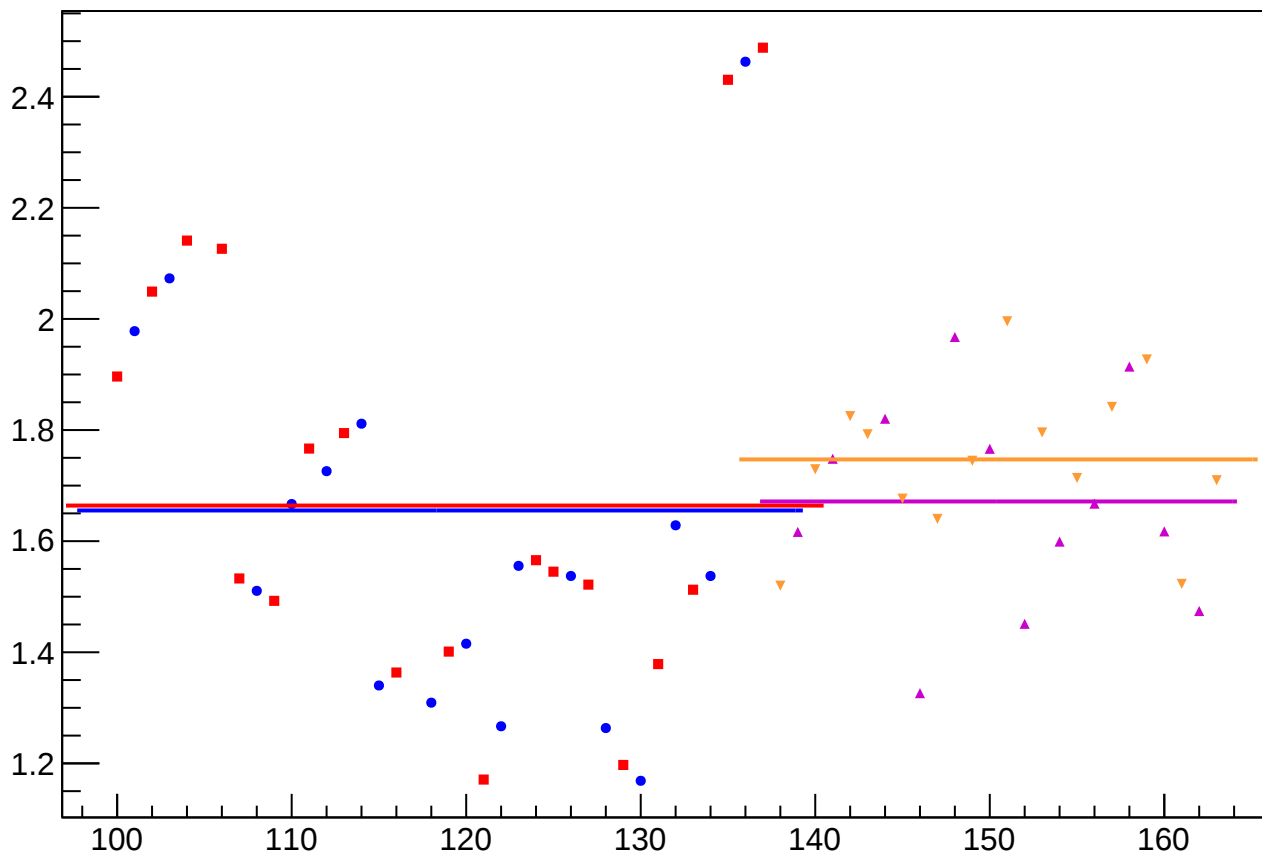
Right: 0.008+/-0.000 χ^2/NDF : 130173.8/35

In: 0.008+/-0.000 χ^2/NDF : 827781.3/28

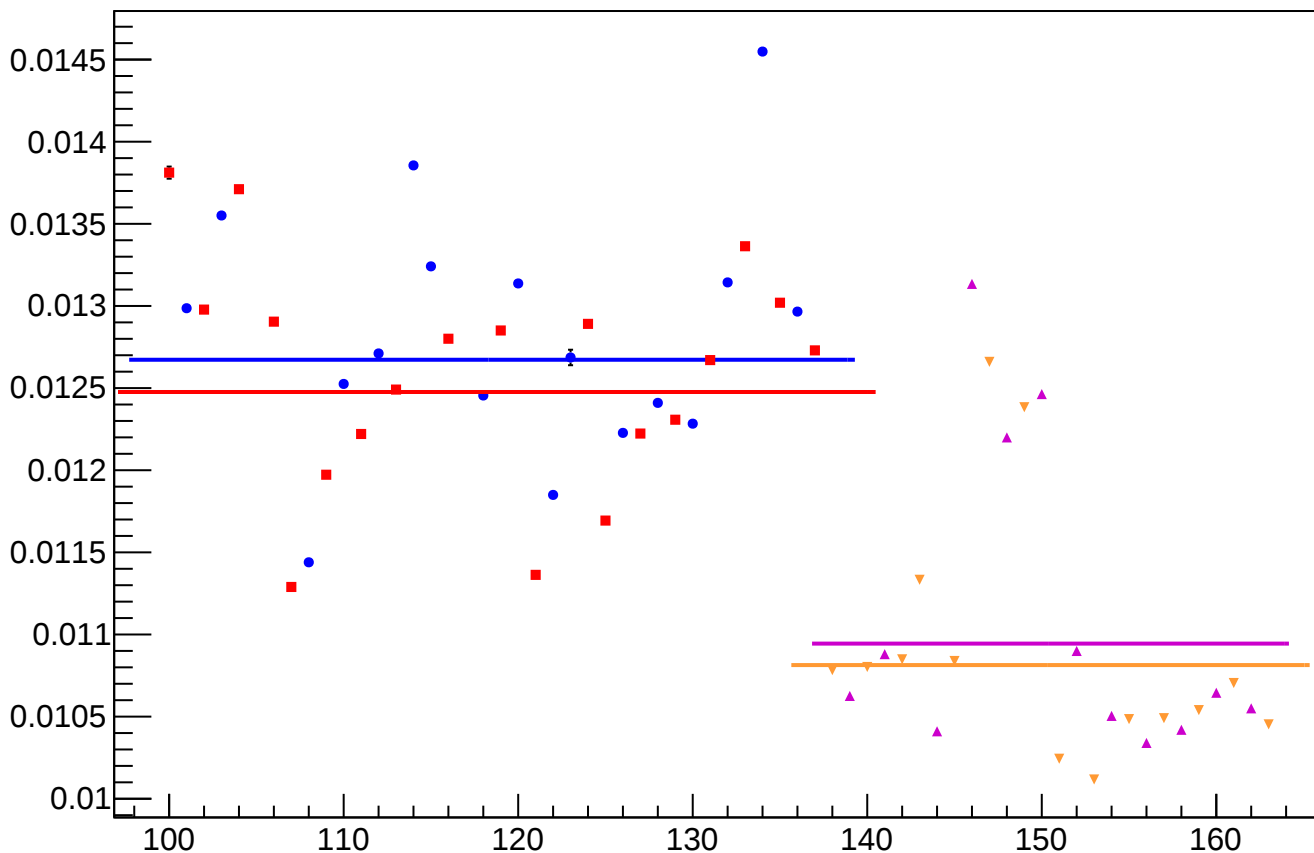
Out: 0.008+/-0.000 χ^2/NDF : 688879.3/32

All: 0.008+/-0.000 χ^2/NDF : 1516701.4/61

yield_bpm0i02aX_mean vs Slug, Sign Corrected



yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 74567.0/13

Right Out: 0.012+/-0.000 χ^2/NDF : 39134.8/18

Left In: 0.011+/-0.000 χ^2/NDF : 98589.1/11

Left: 0.011+/-0.000 χ^2/NDF : 174527.7/25

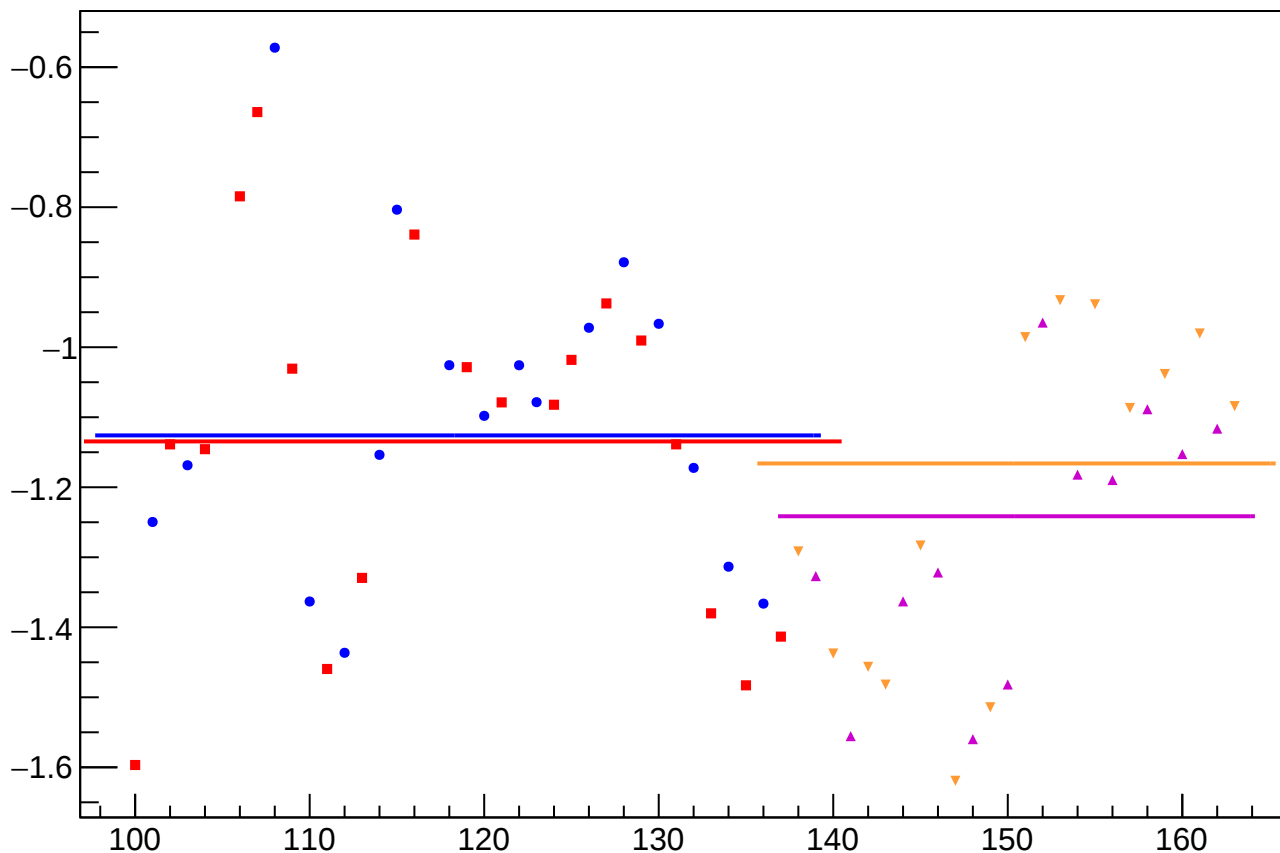
Right: 0.013+/-0.000 χ^2/NDF : 72572.8/35

In: 0.012+/-0.000 χ^2/NDF : 289125.0/28

Out: 0.011+/-0.000 χ^2/NDF : 274498.0/32

All: 0.011+/-0.000 χ^2/NDF : 566962.5/61

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.166+/-0.000 χ^2/NDF : 7023917905.3/13

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

Left In: -1.241+/-0.000 χ^2/NDF : 4212465839.2/11

Left: -1.201+/-0.000 χ^2/NDF : 11625983646.3/25

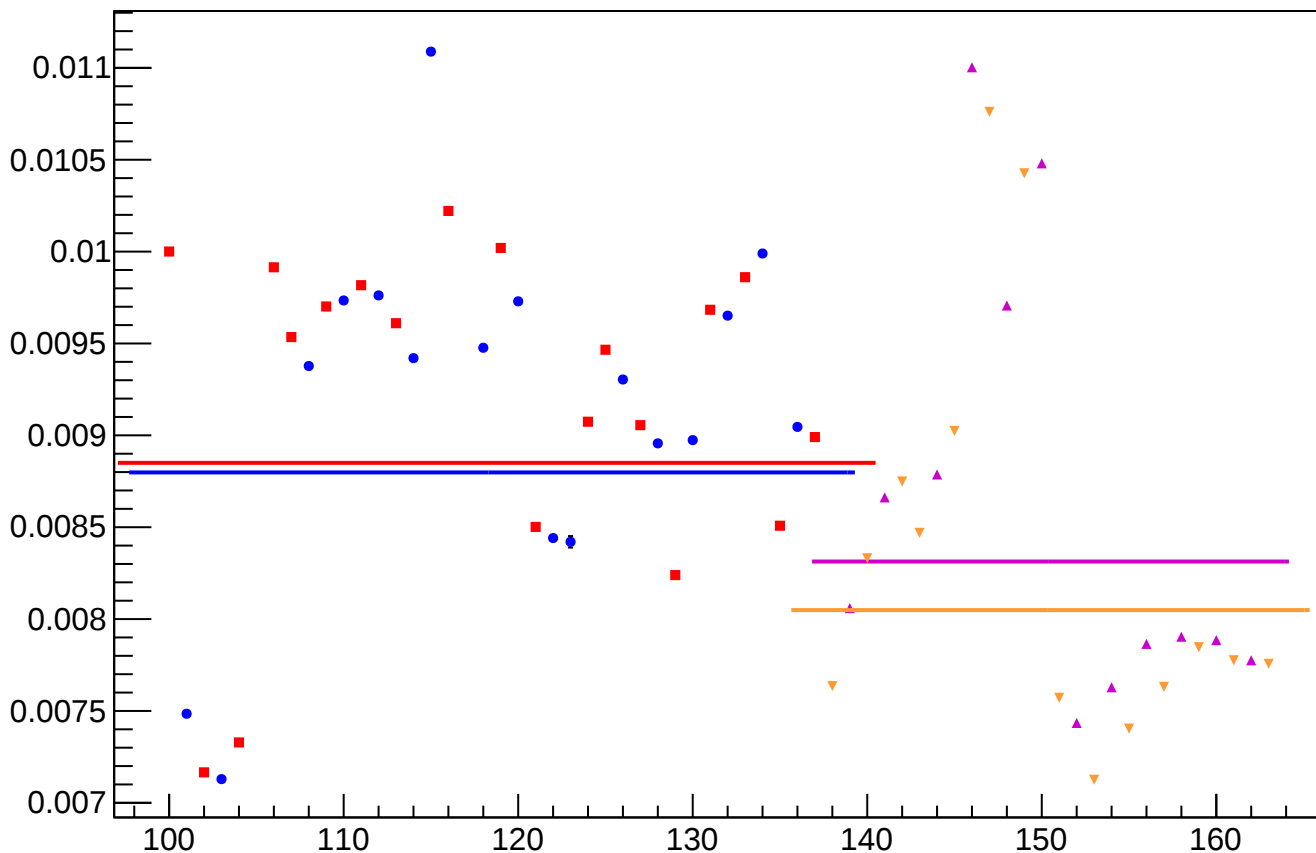
Right: -1.130+/-0.000 χ^2/NDF : 7255318739.1/35

In: -1.196+/-0.000 χ^2/NDF : 8456985135.8/28

Out: -1.155+/-0.000 χ^2/NDF : 10754529381.7/32

All: -1.174+/-0.000 χ^2/NDF : 19404339024.3/70

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :229594.5/13

Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

Left In: 0.008+/-0.000 χ^2/NDF :228581.7/11

Left: 0.008+/-0.000 χ^2/NDF : 467751.6/25

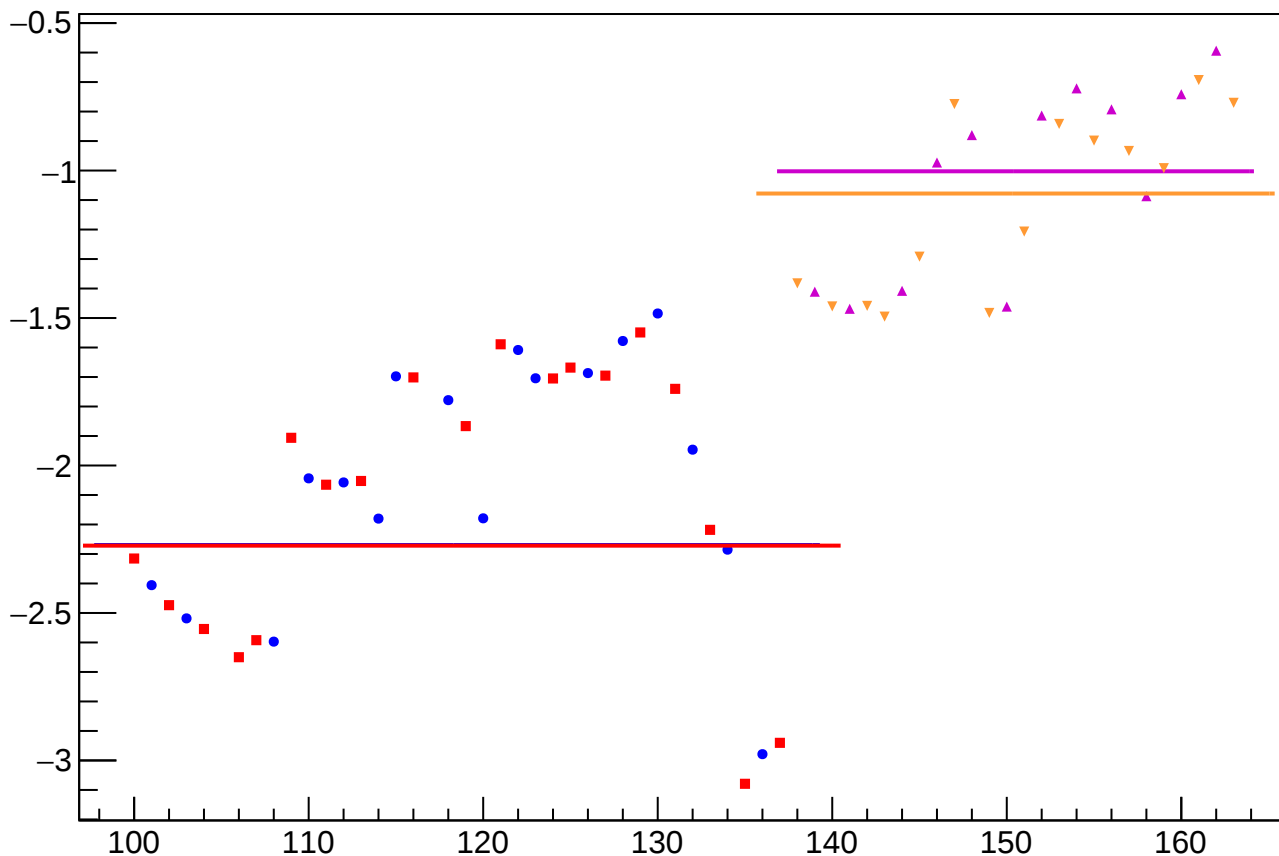
Right: 0.009+/-0.000 χ^2/NDF : 325772.0/35

In: 0.009+/-0.000 χ^2/NDF :403789.6/28

Out: 0.008+/-0.000 χ^2/NDF :472430.0/32

All: 0.008+/-0.000 χ^2/NDF : 881925.4/61

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.270 ± 0.000 $\chi^2/\text{NDF}: 17408567065.9/16$

Left Out: -1.078 ± 0.000 $\chi^2/\text{NDF}: 16008669369.9/13$

Right Out: -2.272 ± 0.000 $\chi^2/\text{NDF}: 19009331715.4/18$

Left In: -1.003 ± 0.000 $\chi^2/\text{NDF}: 16850611578.1/11$

Left: -1.042 ± 0.000 $\chi^2/\text{NDF}: 33407280687.0/25$

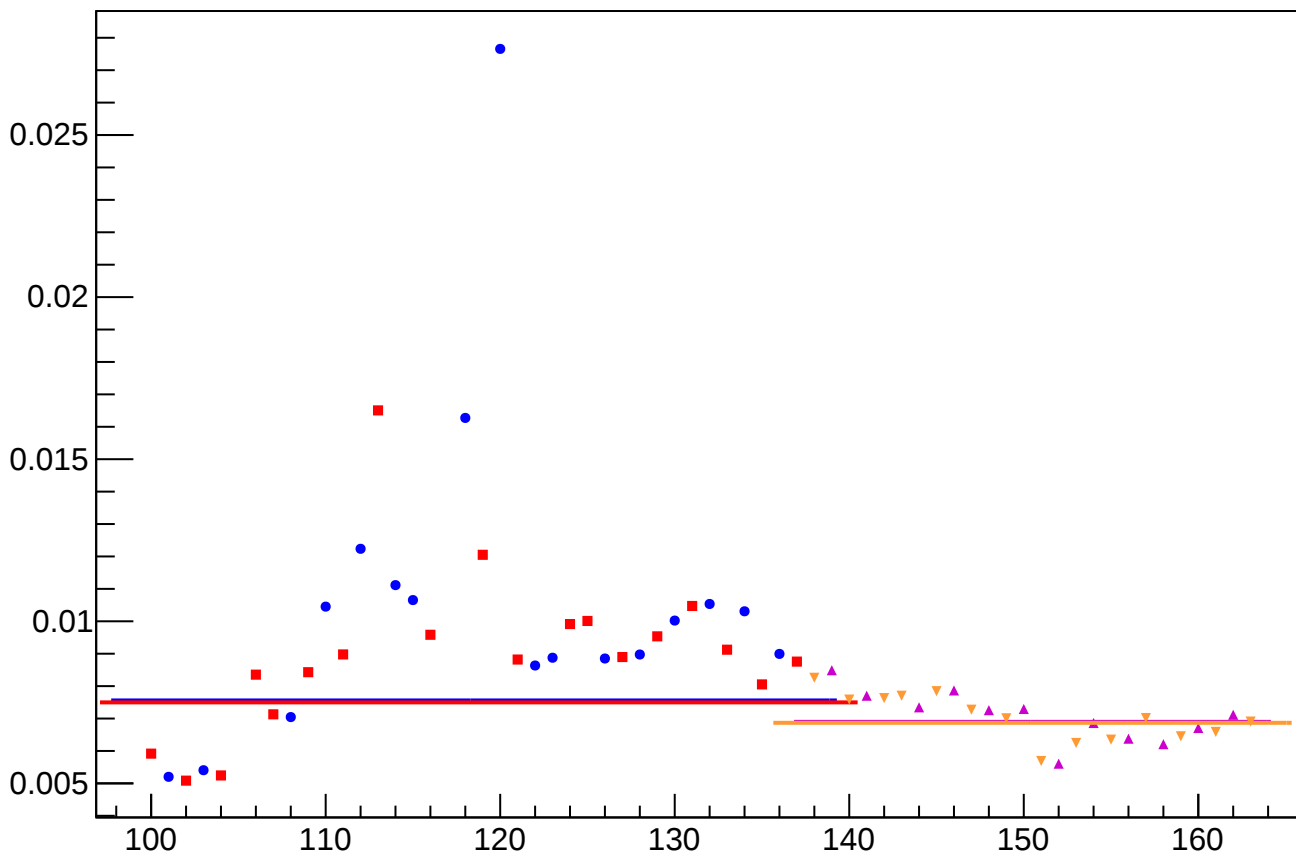
Right: -2.271 ± 0.000 $\chi^2/\text{NDF}: 36418070927.0/35$

In: -1.409 ± 0.000 $\chi^2/\text{NDF}: 130326238392.9/28$

Out: -1.475 ± 0.000 $\chi^2/\text{NDF}: 129718626177.5/32$

All: -1.443 ± 0.000 $\chi^2/\text{NDF}: 260666478009.5$

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1221004.0/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:189725.3/13

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 933998.1/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:210495.3/11

Left: 0.007 $\pm$ 0.000 χ^2 /NDF: 400383.2/25

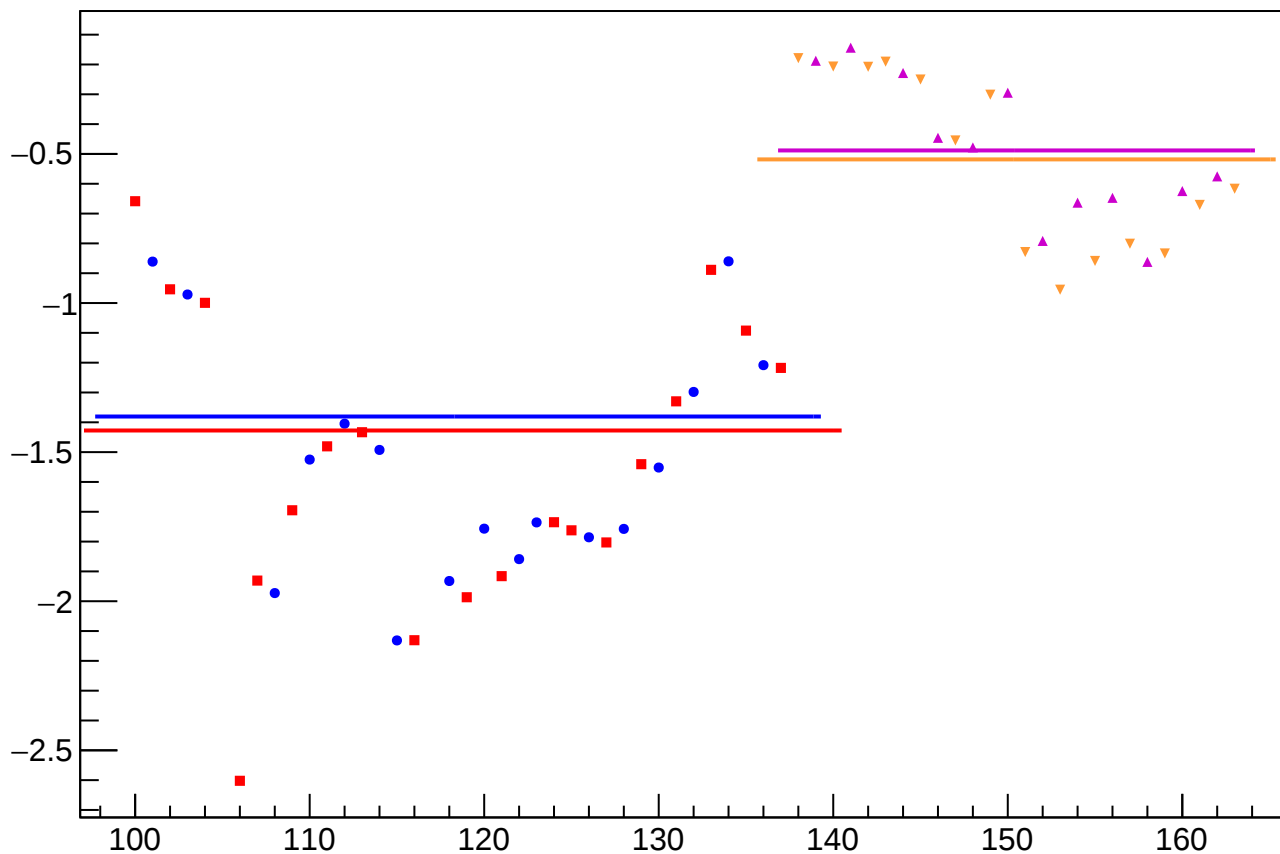
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 2155335.5/35

In: 0.007 $\pm$ 0.000 χ^2 /NDF:1483687.3/28

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1176431.1/32

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2660401.7/61

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.381 ± 0.000 $\chi^2/\text{NDF}: 20001018652.5/16$

Left Out: -0.518 ± 0.000 $\chi^2/\text{NDF}: 44307741538.9/13$

Right Out: -1.427 ± 0.000 $\chi^2/\text{NDF}: 29616178528.0/18$

Left In: -0.488 ± 0.000 $\chi^2/\text{NDF}: 28021783113.0/11$

Left: -0.504 ± 0.000 $\chi^2/\text{NDF}: 72566274673.1/25$

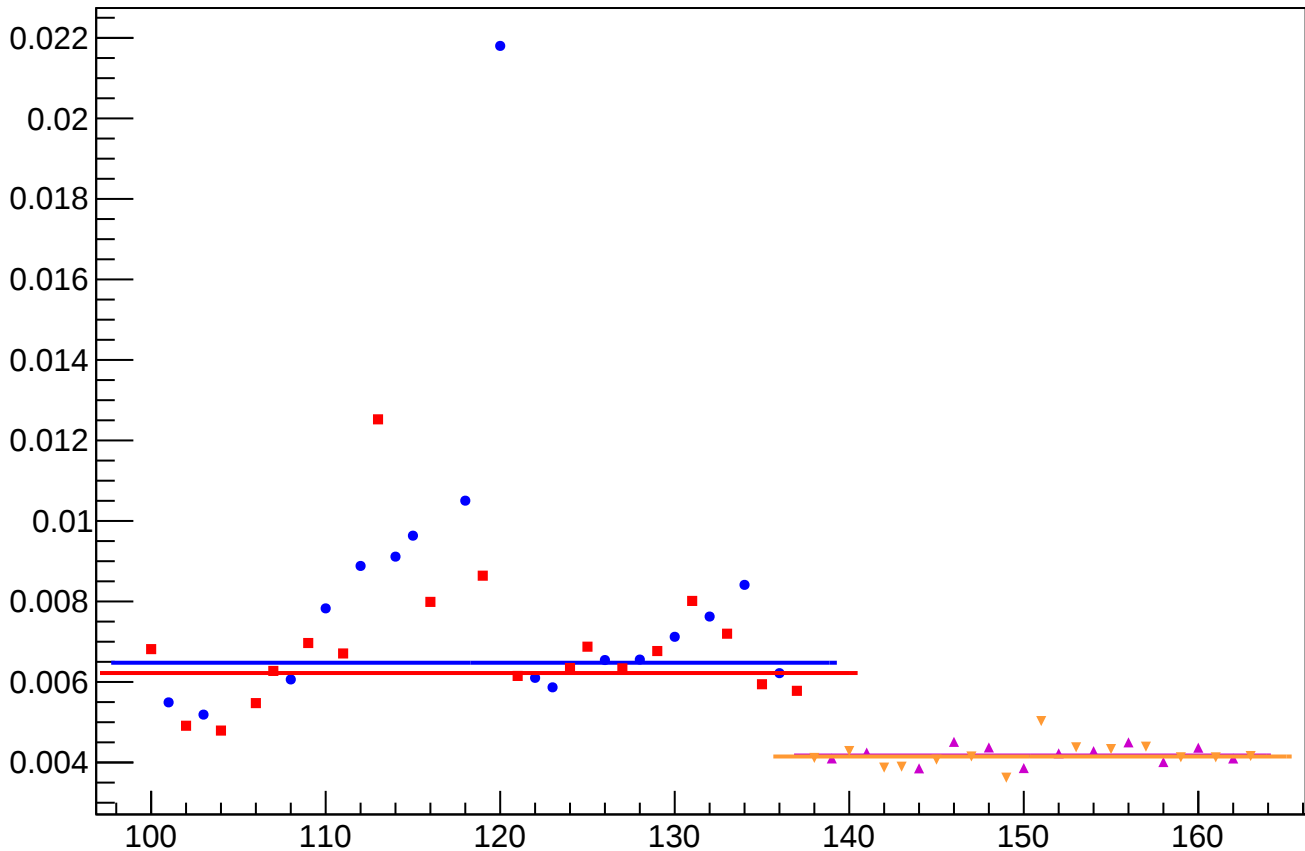
Right: -1.406 ± 0.000 $\chi^2/\text{NDF}: 49770978716.8/35$

In: -0.671 ± 0.000 $\chi^2/\text{NDF}: 130212114285.0/28$

Out: -0.716 ± 0.000 $\chi^2/\text{NDF}: 172157167691.3/32$

All: -0.695 ± 0.000 $\chi^2/\text{NDF}: 303043356044.1$

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 572678.4/16

Left Out: 0.004+/-0.000 χ^2/NDF :87314.9/13

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

Left In: 0.004+/-0.000 χ^2/NDF :46624.2/11

Left: 0.004+/-0.000 χ^2/NDF : 134255.6/25

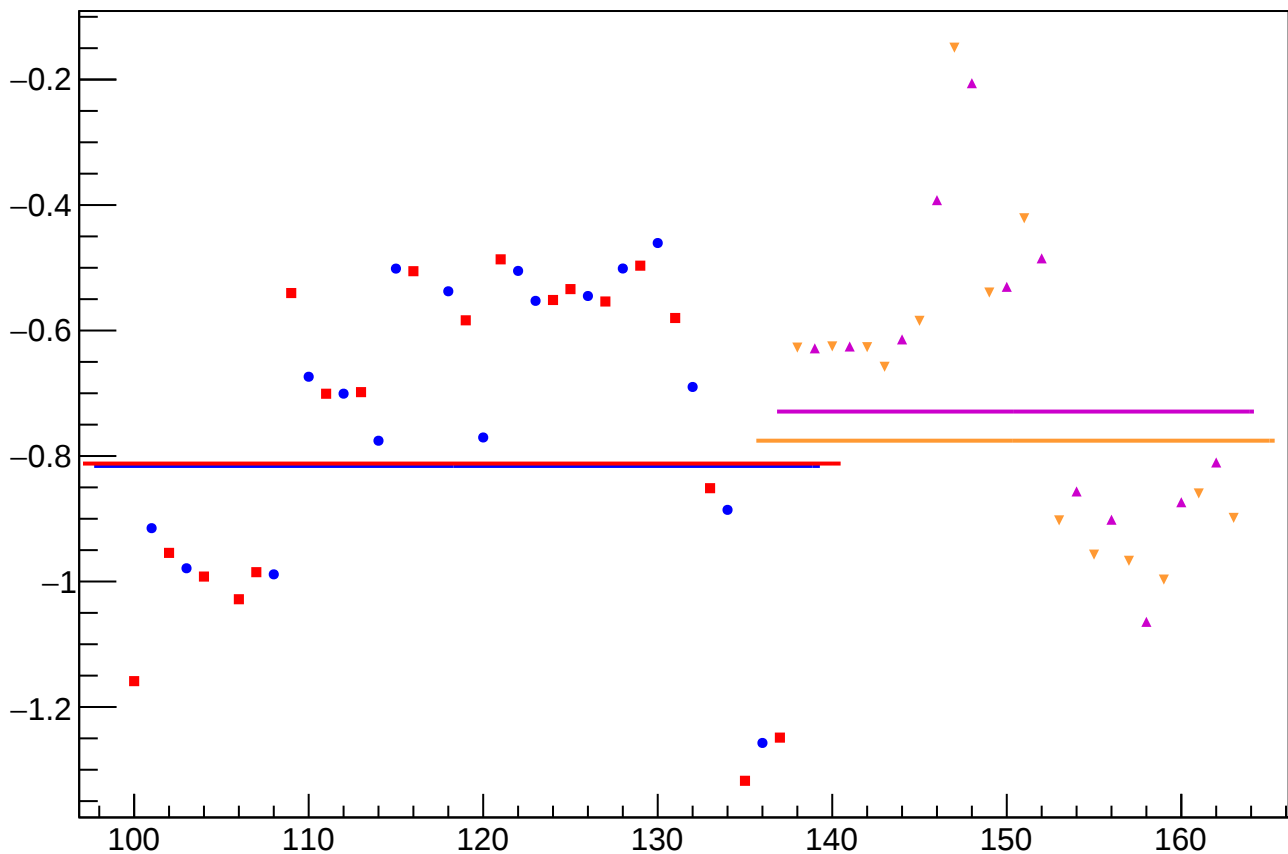
Right: 0.006+/-0.000 χ^2/NDF : 1005263.6/35

In: 0.005+/-0.000 χ^2/NDF :1716011.6/28

Out: 0.005+/-0.000 χ^2/NDF :1533041.7/32

All: 0.005+/-0.000 χ^2/NDF : 3250433.2/61

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.816 $\pm$ 0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.776 $\pm$ 0.000 χ^2/NDF : 25282397091.8/13

Right Out: -0.812 $\pm$ 0.000 χ^2/NDF : 16815852448.9/18

Left In: -0.729 $\pm$ 0.000 χ^2/NDF : 24933776564.3/11

Left: -0.753 $\pm$ 0.000 χ^2/NDF : 50755022420.2/25

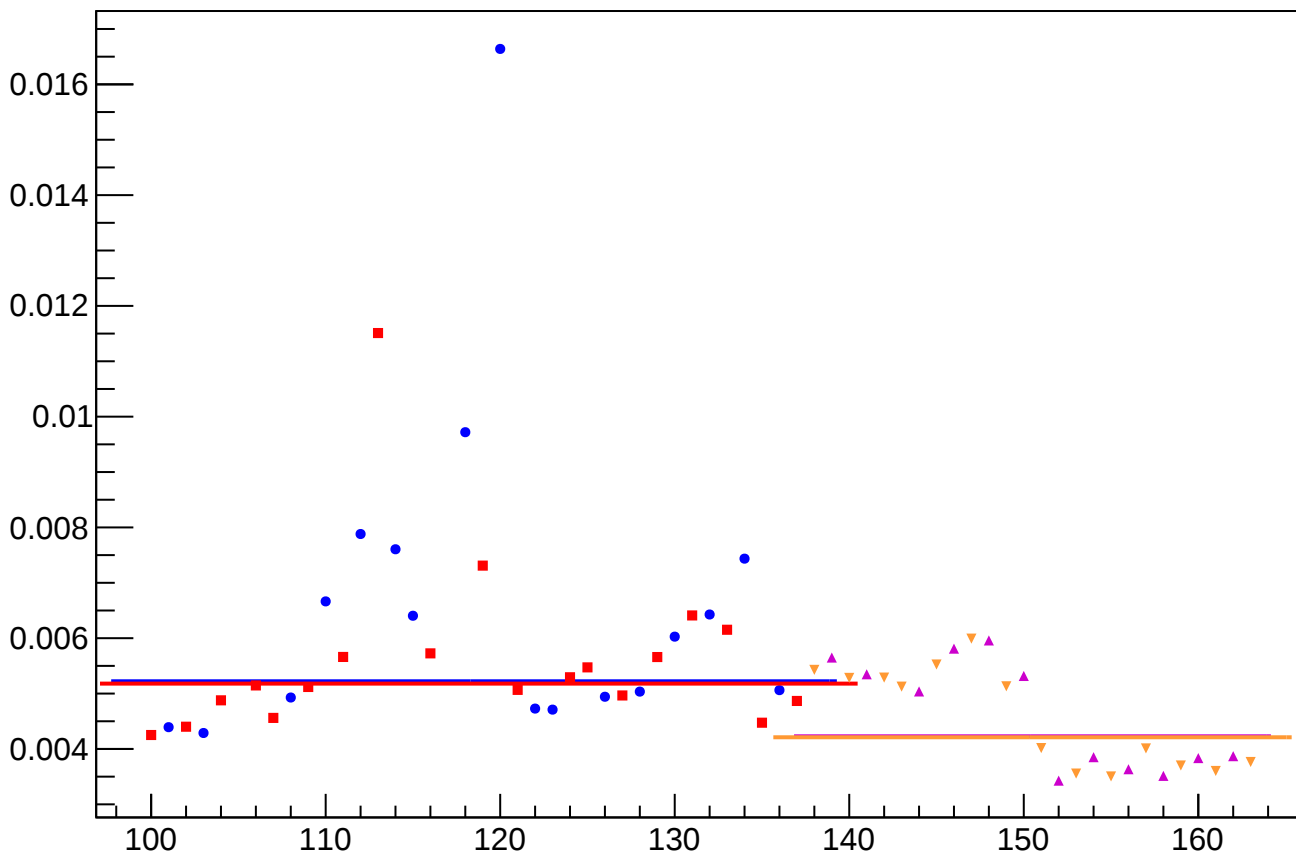
Right: -0.814 $\pm$ 0.000 χ^2/NDF : 30990213454.0/35

In: -0.754 $\pm$ 0.000 χ^2/NDF : 40153255725.6/28

Out: -0.786 $\pm$ 0.000 χ^2/NDF : 42304741761.0/32

All: -0.771 $\pm$ 0.000 χ^2/NDF : 82827254907.6/35

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 664386.8/16

Left Out: 0.004+/-0.000 χ^2/NDF : 656889.3/13

Right Out: 0.005+/-0.000 χ^2/NDF : 363781.3/18

Left In: 0.004+/-0.000 χ^2/NDF : 718777.6/11

Left: 0.004+/-0.000 χ^2/NDF : 1375822.5/25

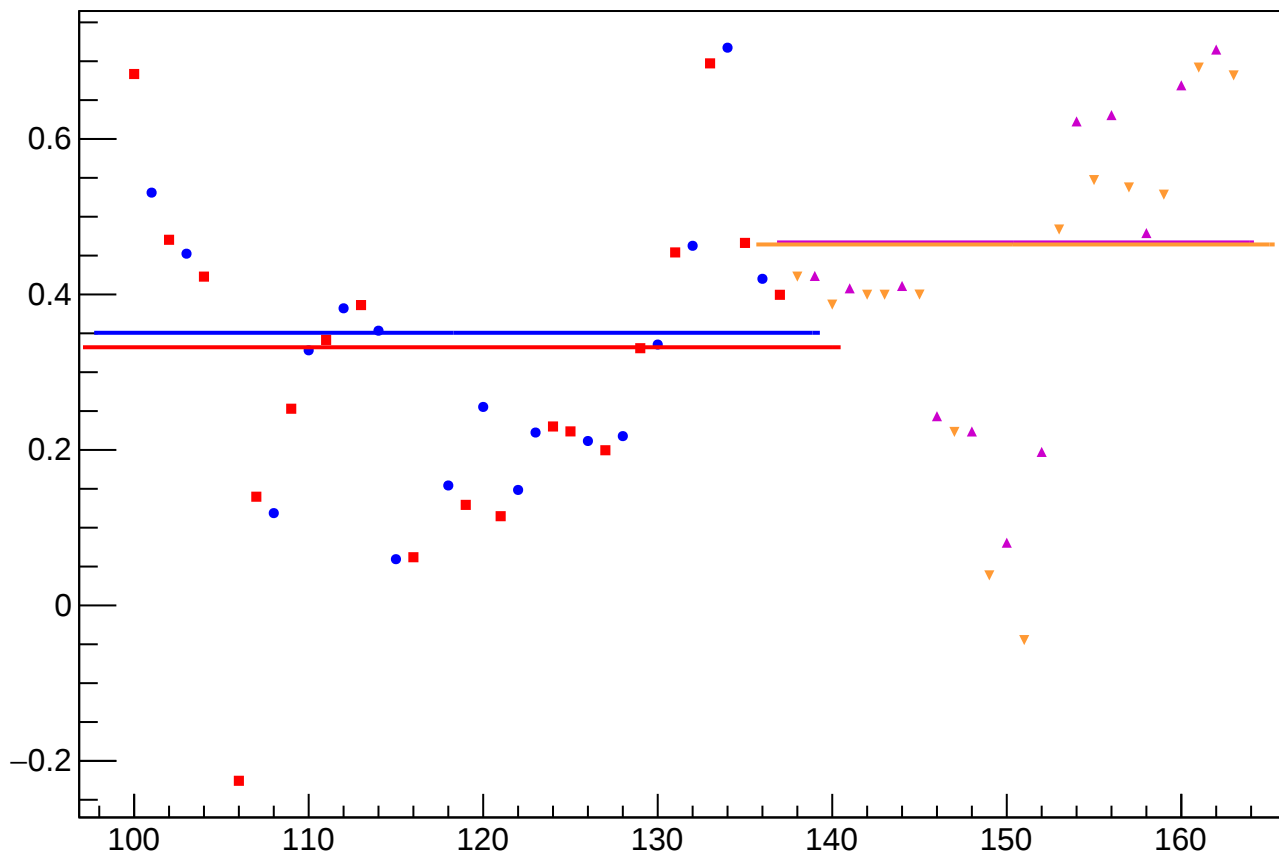
Right: 0.005+/-0.000 χ^2/NDF : 1028532.8/35

In: 0.005+/-0.000 χ^2/NDF : 1658205.9/28

Out: 0.005+/-0.000 χ^2/NDF : 1312119.4/32

All: 0.005+/-0.000 χ^2/NDF : 2970481.9/61

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.351+/-0.000

χ^2/NDF : 7410859446.3/16

Left: 0.466+/-0.000

χ^2/NDF : 56655330501.9/25

Left Out: 0.464+/-0.000

χ^2/NDF : 29577489601.1/13

Right: 0.341+/-0.000

χ^2/NDF : 19270918435.8/35

Right Out: 0.332+/-0.000

χ^2/NDF : 11796213425.9/18

In: 0.429+/-0.000

χ^2/NDF : 37658372609.7/28

Out: 0.421+/-0.000

χ^2/NDF : 45971914354.4/32

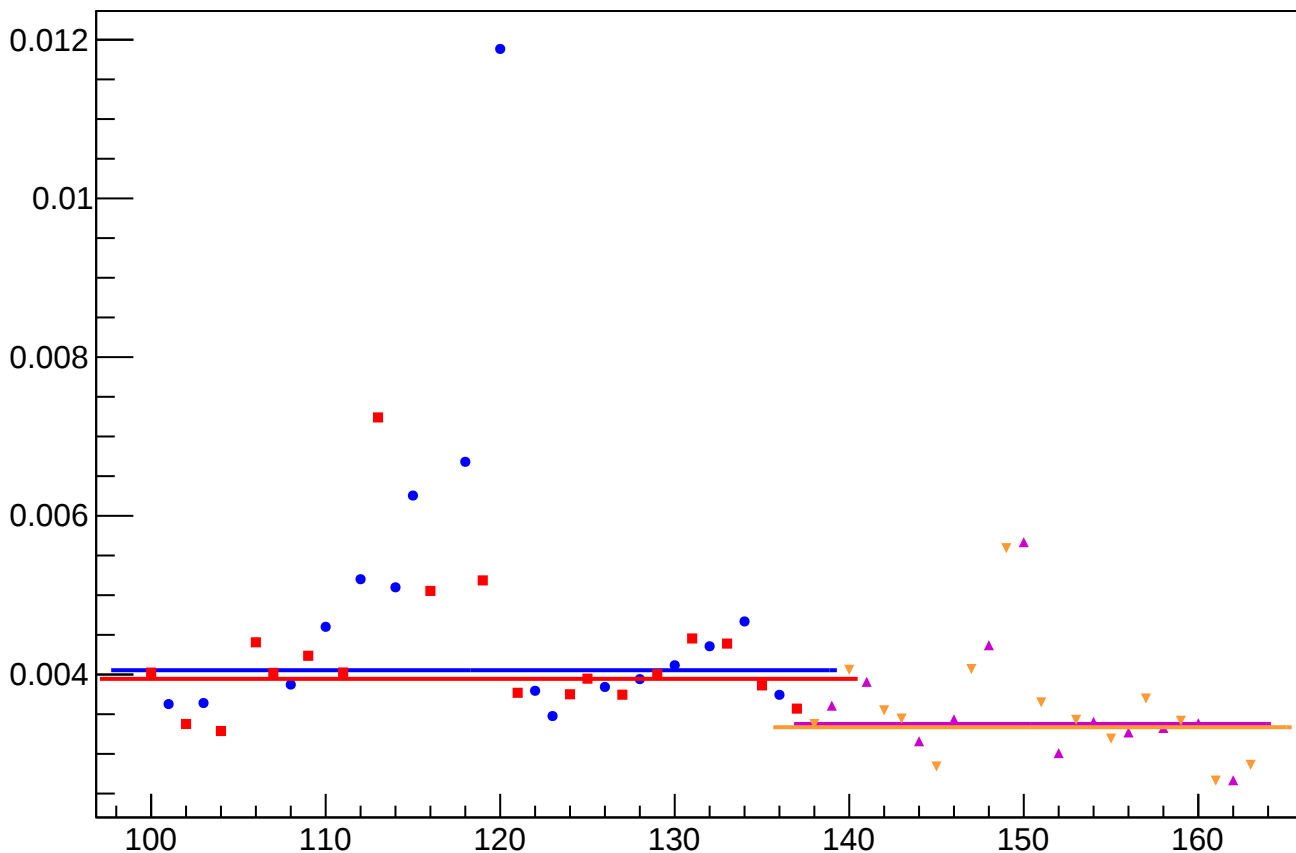
Left In: 0.467+/-0.000

χ^2/NDF : 27075244894.4/11

All: 0.425+/-0.000

χ^2/NDF : 83674928129.9/6

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 455318.3/16

Left Out: 0.003+/-0.000 χ^2/NDF : 510746.8/13

Right Out: 0.004+/-0.000 χ^2/NDF : 260968.0/18

Left In: 0.003+/-0.000 χ^2/NDF : 482315.4/11

Left: 0.003+/-0.000 χ^2/NDF : 994334.8/25

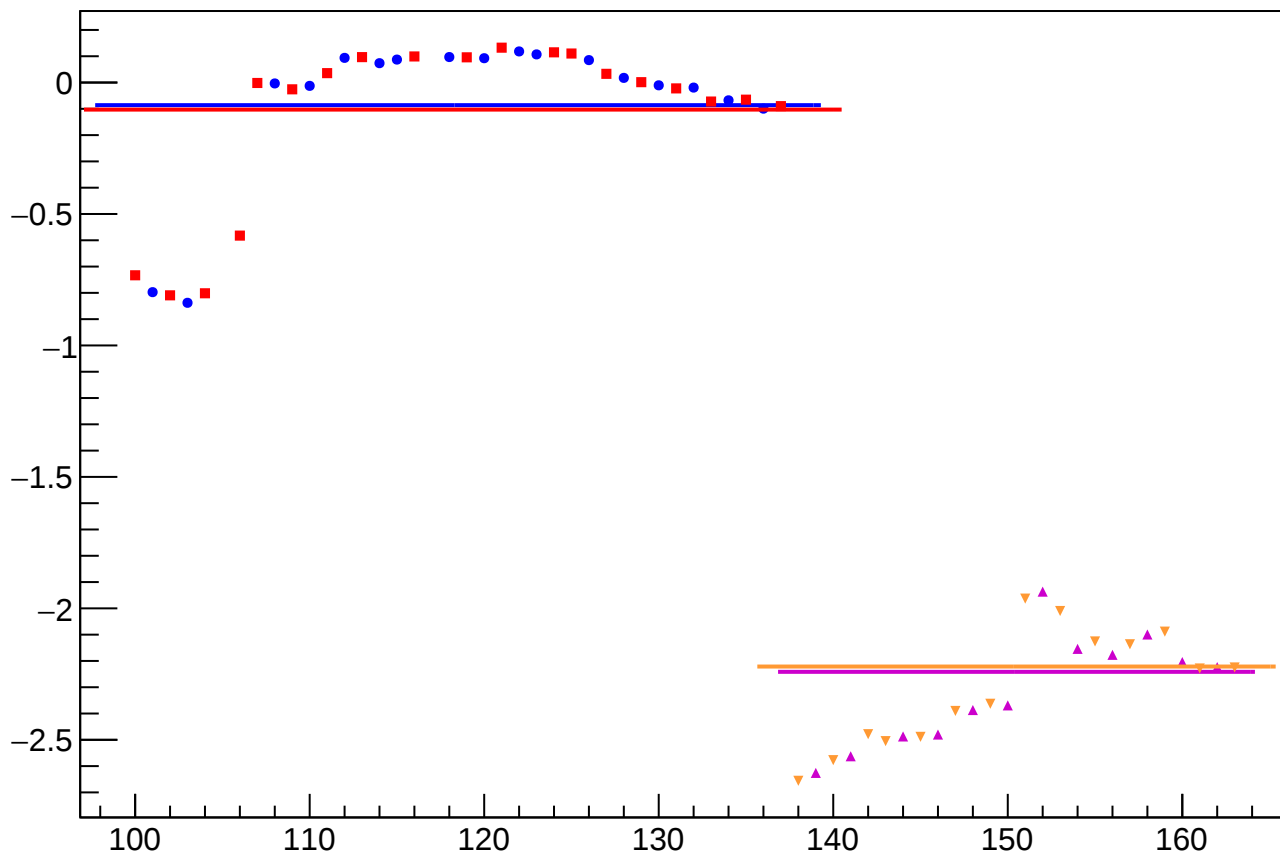
Right: 0.004+/-0.000 χ^2/NDF : 720633.0/35

In: 0.004+/-0.000 χ^2/NDF : 1153034.5/28

Out: 0.004+/-0.000 χ^2/NDF : 967138.2/32

All: 0.004+/-0.000 χ^2/NDF : 2123917.2/61

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.221+/-0.000 χ^2/NDF : 3413503356.0/13

Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

Left In: -2.241+/-0.000 χ^2/NDF : 2662205564.9/11

Left: -2.231+/-0.000 χ^2/NDF : 6091130660.7/25

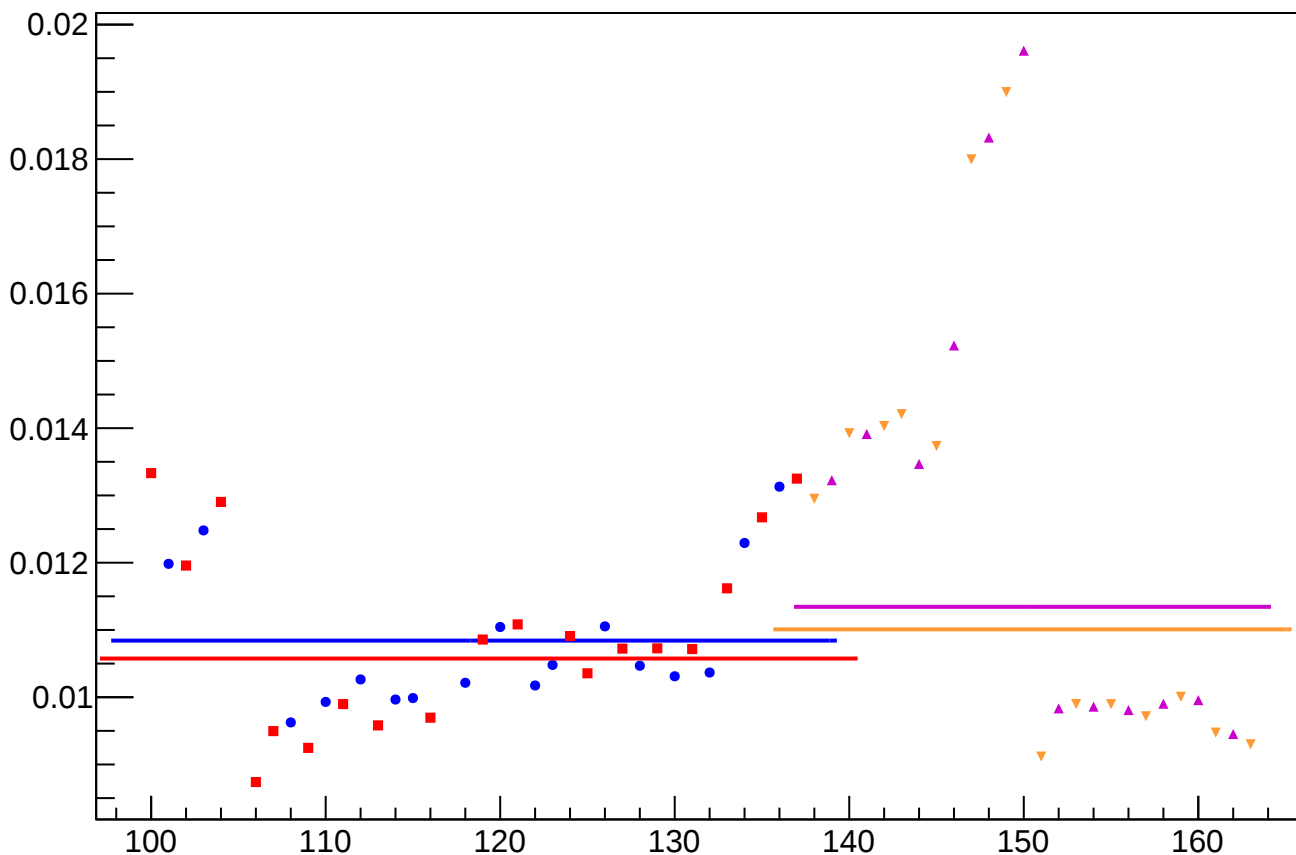
Right: -0.095+/-0.000 χ^2/NDF : 10550892801.3/35

In: -1.287+/-0.000 χ^2/NDF : 153829829871.8/28

Out: -1.302+/-0.000 χ^2/NDF : 168248639431.5/32

All: -1.295+/-0.000 χ^2/NDF : 322093591817.6

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.011+/-0.000 χ^2/NDF :1028070.9/13

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

Left In: 0.011+/-0.000 χ^2/NDF :1012879.5/11

Left: 0.011+/-0.000 χ^2/NDF : 2049470.8/25

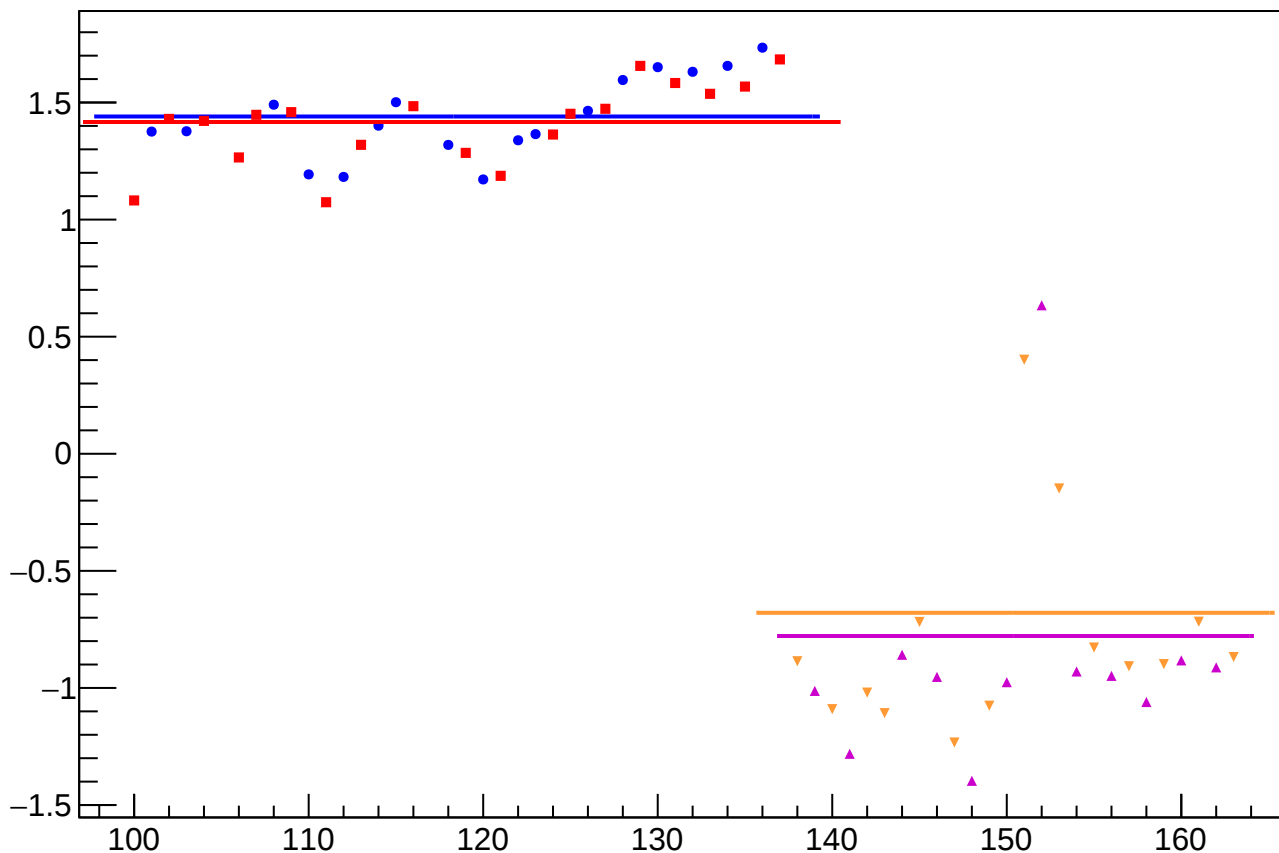
Right: 0.011+/-0.000 χ^2/NDF : 307452.7/35

In: 0.011+/-0.000 χ^2/NDF :1153000.0/28

Out: 0.011+/-0.000 χ^2/NDF :1220406.7/32

All: 0.011+/-0.000 χ^2/NDF : 2385661.2/61

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.679 $\pm$ 0.000 χ^2 /NDF: 29706772260.1/13

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

Left In: -0.778 $\pm$ 0.000 χ^2 /NDF: 39121200467.4/11

Left: -0.726 $\pm$ 0.000 χ^2 /NDF: 69471269913.7/25

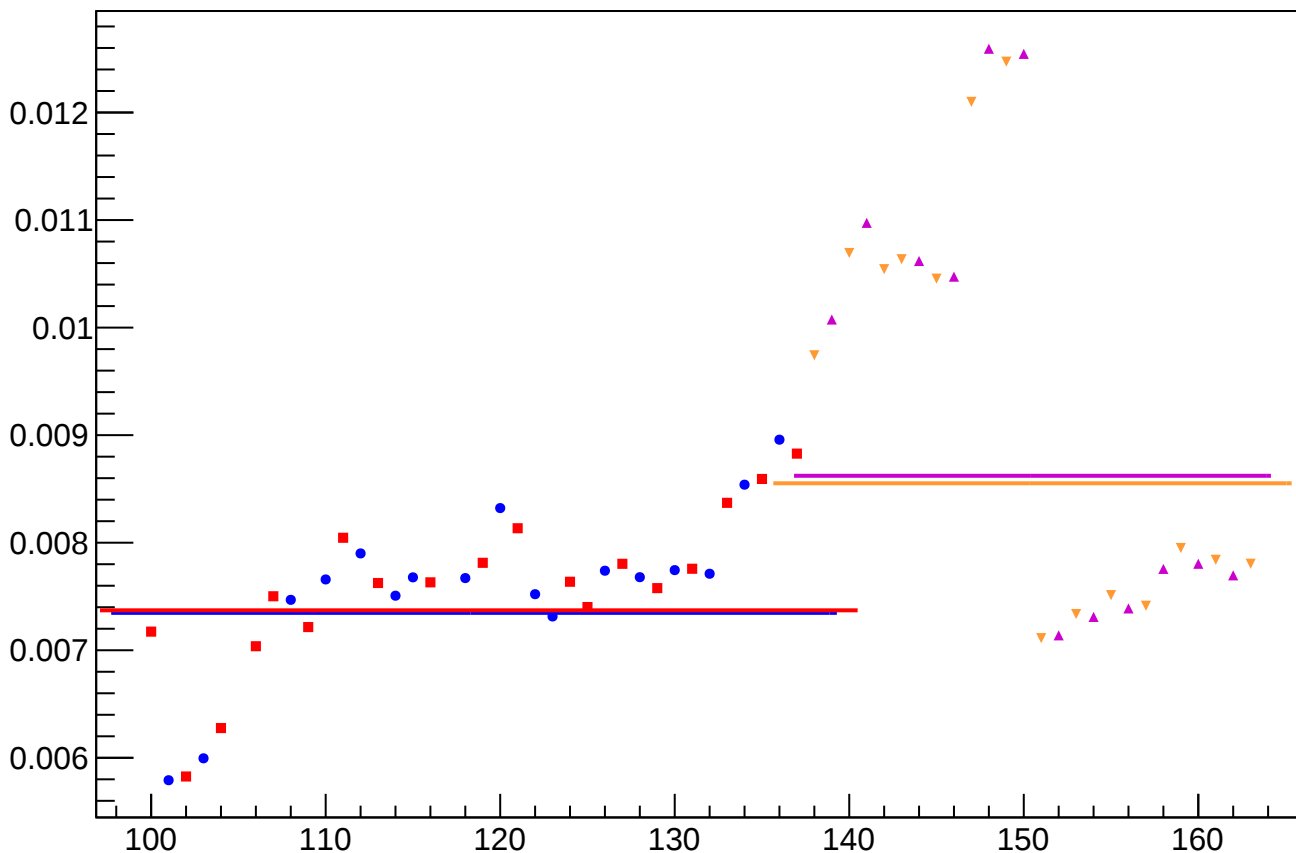
Right: 1.428 $\pm$ 0.000 χ^2 /NDF: 6158088082.8/35

In: 0.318 $\pm$ 0.000 χ^2 /NDF: 346288333948.1/28

Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 325056765202.4/32

All: 0.327 $\pm$ 0.000 χ^2 /NDF: 671381536645.7

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.009+/-0.000 χ^2/NDF : 719839.1/13

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

Left In: 0.009+/-0.000 χ^2/NDF : 773442.9/11

Left: 0.009+/-0.000 χ^2/NDF : 1493921.4/25

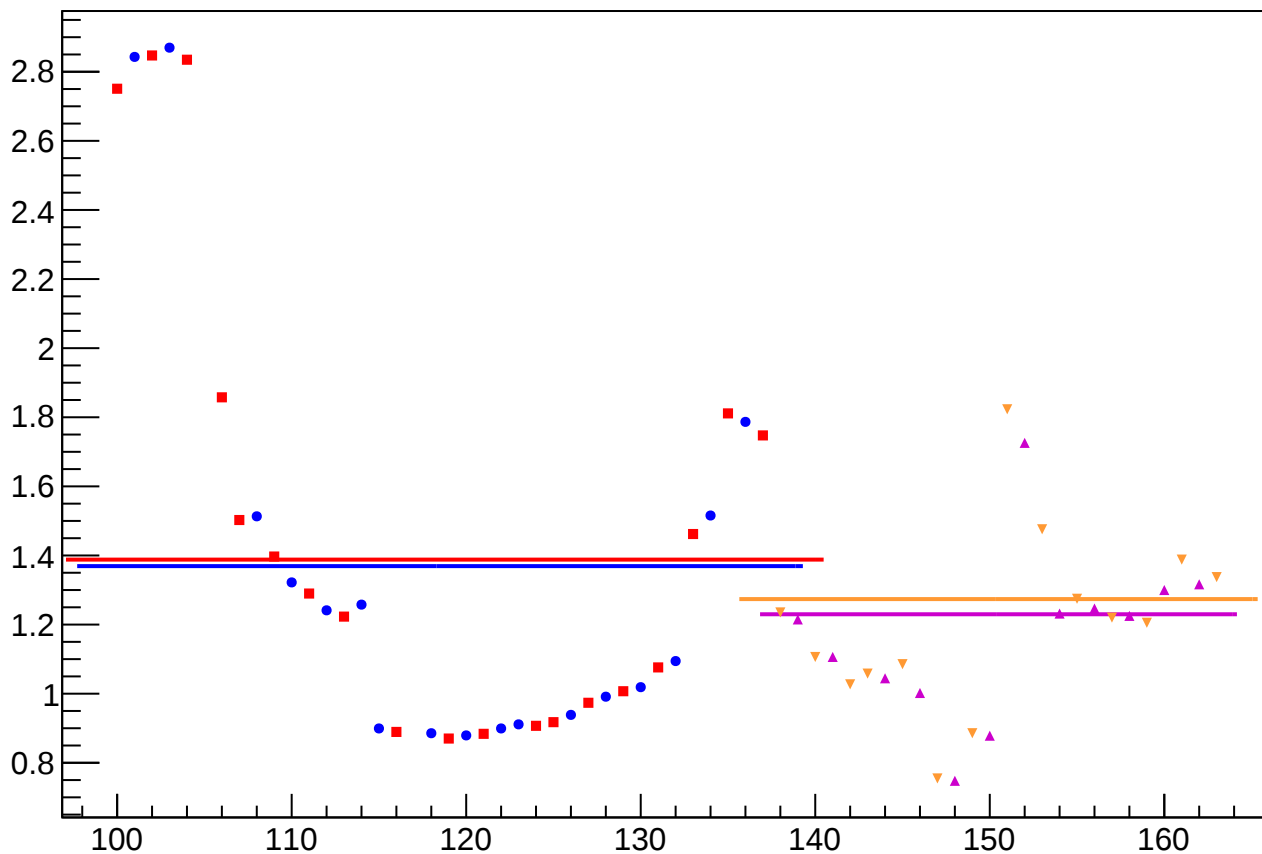
Right: 0.007+/-0.000 χ^2/NDF : 400921.9/35

In: 0.008+/-0.000 χ^2/NDF : 1202087.8/28

Out: 0.008+/-0.000 χ^2/NDF : 1078469.5/32

All: 0.008+/-0.000 χ^2/NDF : 2280591.7/61

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.274+/-0.000 χ^2/NDF : 9008890462.5/13

Right Out: 1.388+/-0.000 χ^2/NDF : 49900245868.0/18

Left In: 1.230+/-0.000 χ^2/NDF : 7004840717.9/11

Left: 1.253+/-0.000 χ^2/NDF : 16149186708.7/25

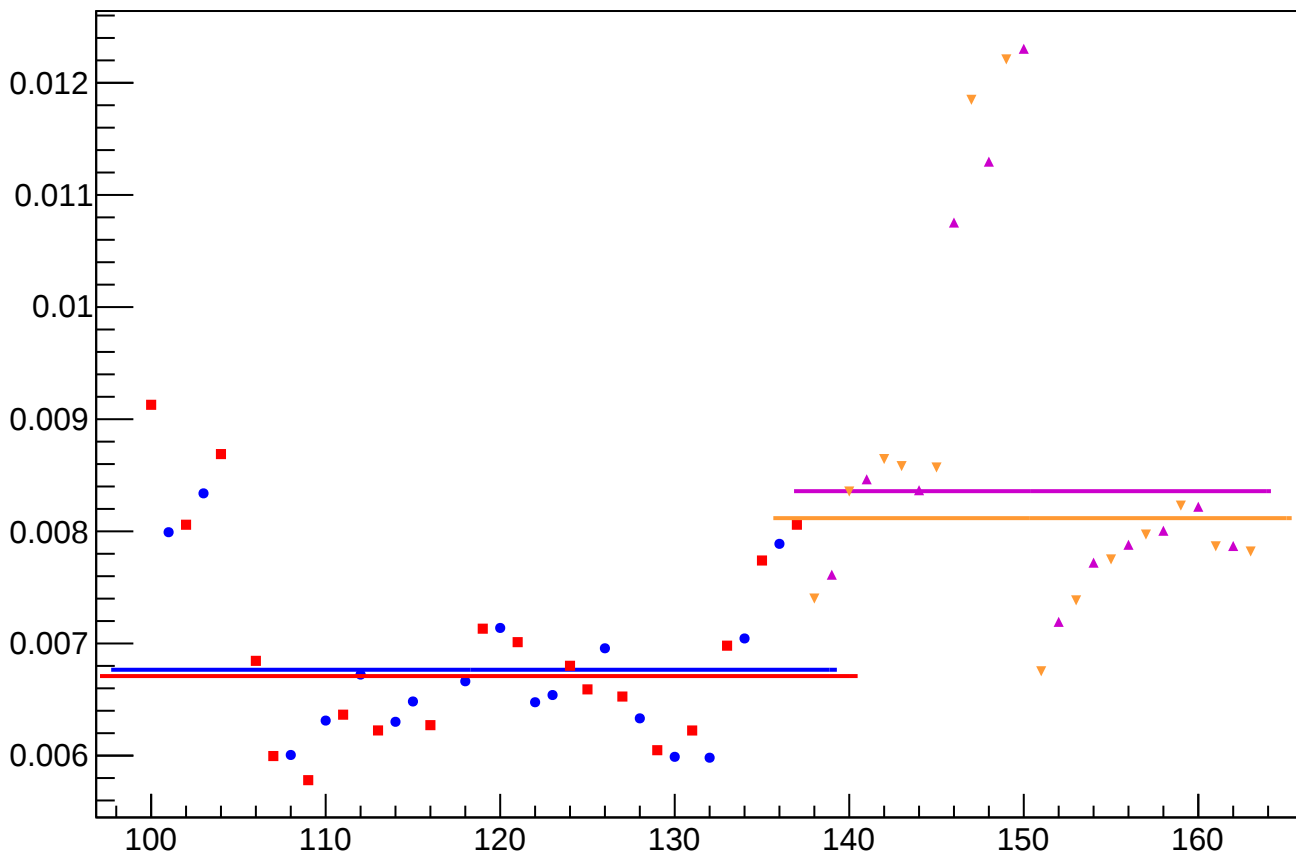
Right: 1.379+/-0.000 χ^2/NDF : 104132252851.6/35

In: 1.303+/-0.000 χ^2/NDF : 62548336096.9/28

Out: 1.332+/-0.000 χ^2/NDF : 59906811753.5/32

All: 1.318+/-0.000 χ^2/NDF : 122578655321.6

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 409764.8/13

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

Left In: 0.008+/-0.000 χ^2/NDF : 420282.9/11

Left: 0.008+/-0.000 χ^2/NDF : 838176.3/25

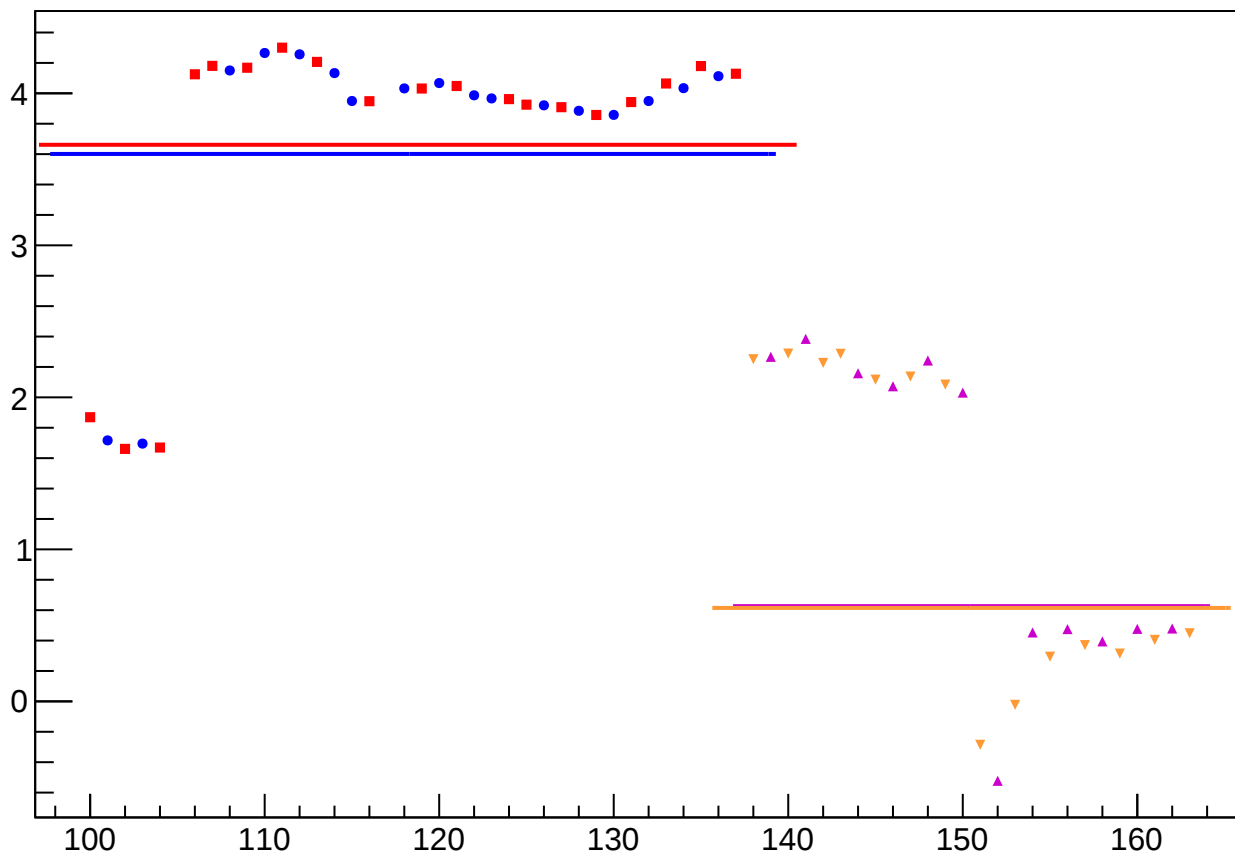
Right: 0.007+/-0.000 χ^2/NDF : 347856.0/35

In: 0.008+/-0.000 χ^2/NDF : 929514.8/28

Out: 0.007+/-0.000 χ^2/NDF : 900745.3/32

All: 0.007+/-0.000 χ^2/NDF : 1834723.1/61

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.615+/-0.000 χ^2/NDF : 255784421076.3/13

Right Out: 3.661+/-0.000 χ^2/NDF : 192519897222.5/18

Left In: 0.627+/-0.000 χ^2/NDF : 251807426157.4/11

Left: 0.620+/-0.000 χ^2/NDF : 507617491474.9/25

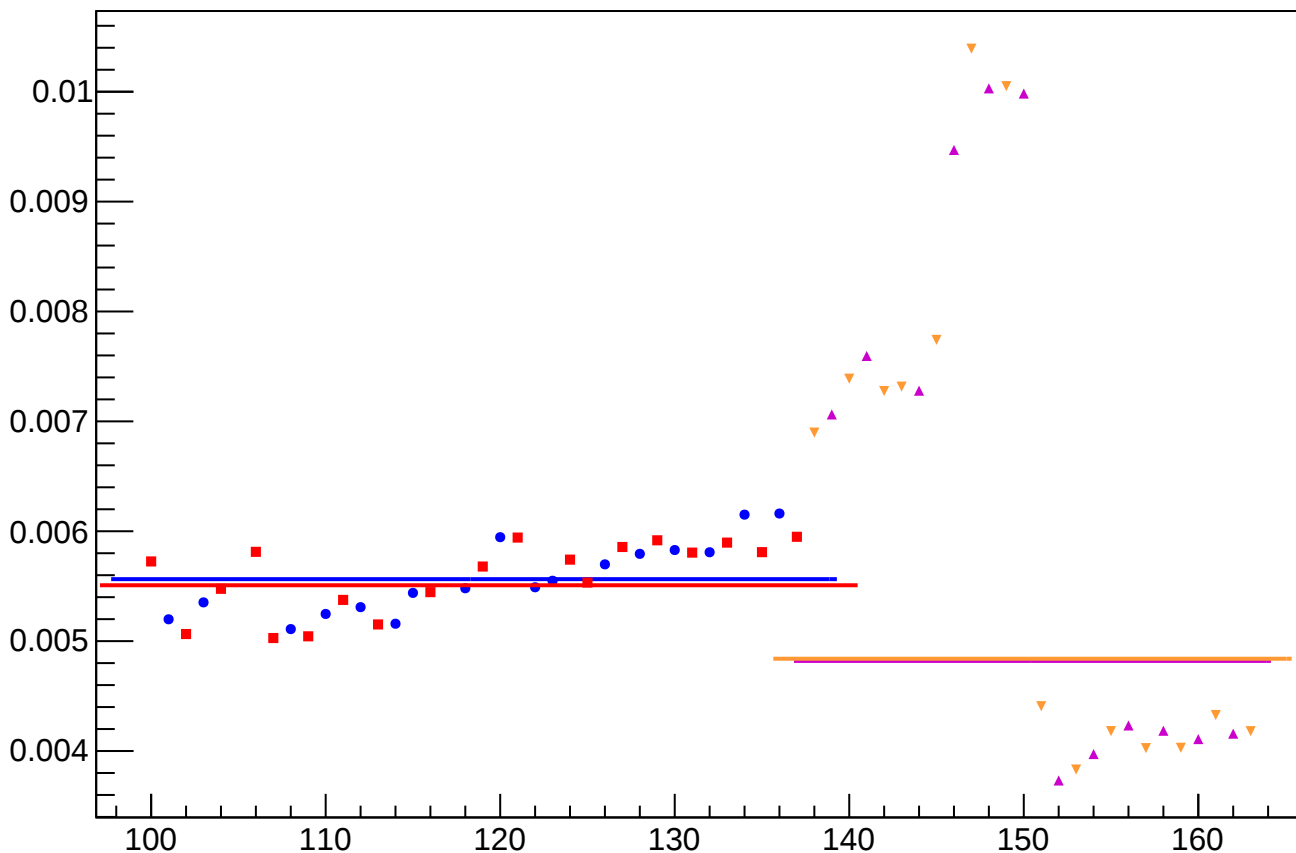
Right: 3.632+/-0.000 χ^2/NDF : 378731188267.1/35

In: 1.751+/-0.000 χ^2/NDF : 1626195472361.6/28

Out: 1.753+/-0.000 χ^2/NDF : 1781460613178.2/32

All: 1.752+/-0.000 χ^2/NDF : 3407657307298.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.005+/-0.000 χ^2/NDF :1876904.4/13

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

Left In: 0.005+/-0.000 χ^2/NDF :2057990.0/11

Left: 0.005+/-0.000 χ^2/NDF : 3935040.1/25

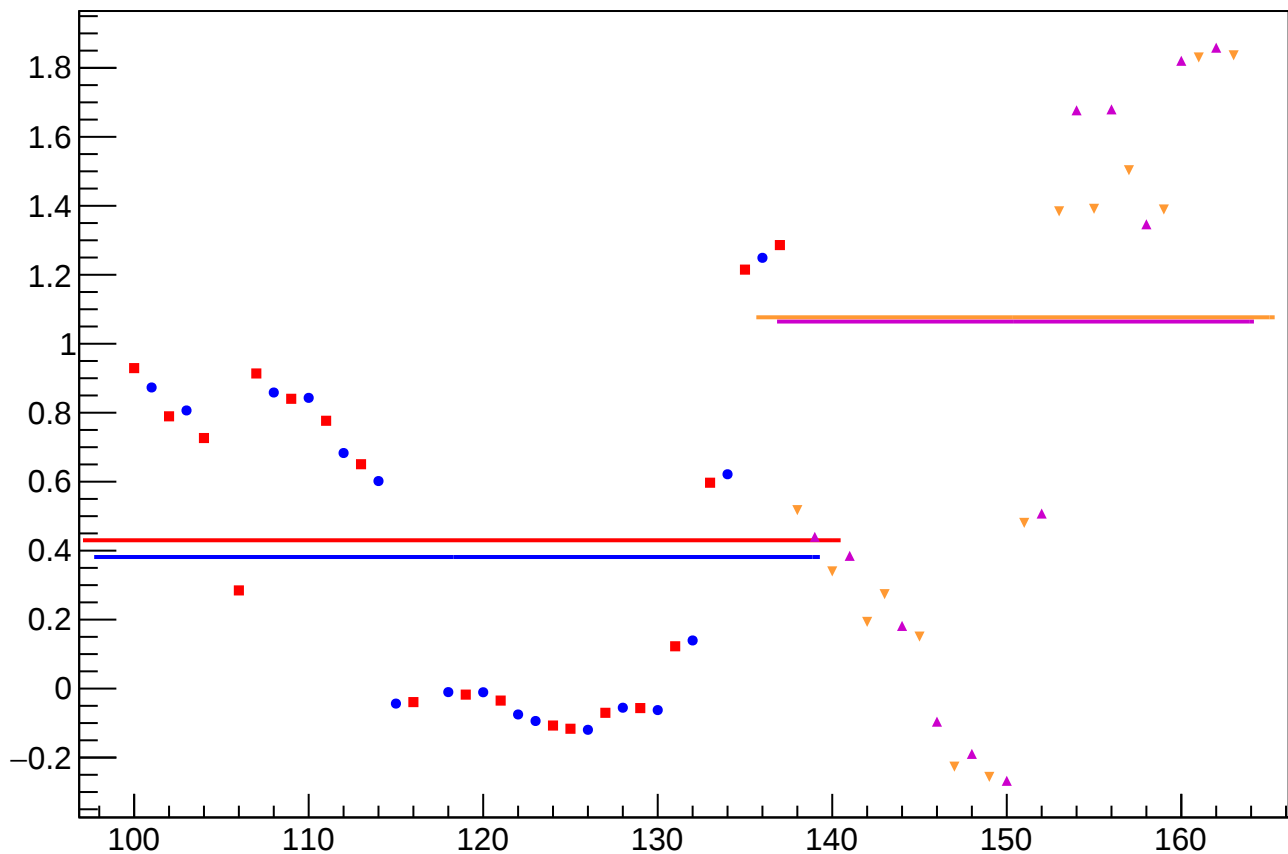
Right: 0.006+/-0.000 χ^2/NDF : 100909.6/35

In: 0.005+/-0.000 χ^2/NDF :2254345.5/28

Out: 0.005+/-0.000 χ^2/NDF :2057992.0/32

All: 0.005+/-0.000 χ^2/NDF : 4312417.1/61

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 1.077+/-0.000 χ^2/NDF : 31881939979.2/13

Right Out: 0.430+/-0.000 χ^2/NDF : 6676199135.9/18

Left In: 1.064+/-0.000 χ^2/NDF : 36084943323.8/11

Left: 1.071+/-0.000 χ^2/NDF : 67971901061.1/25

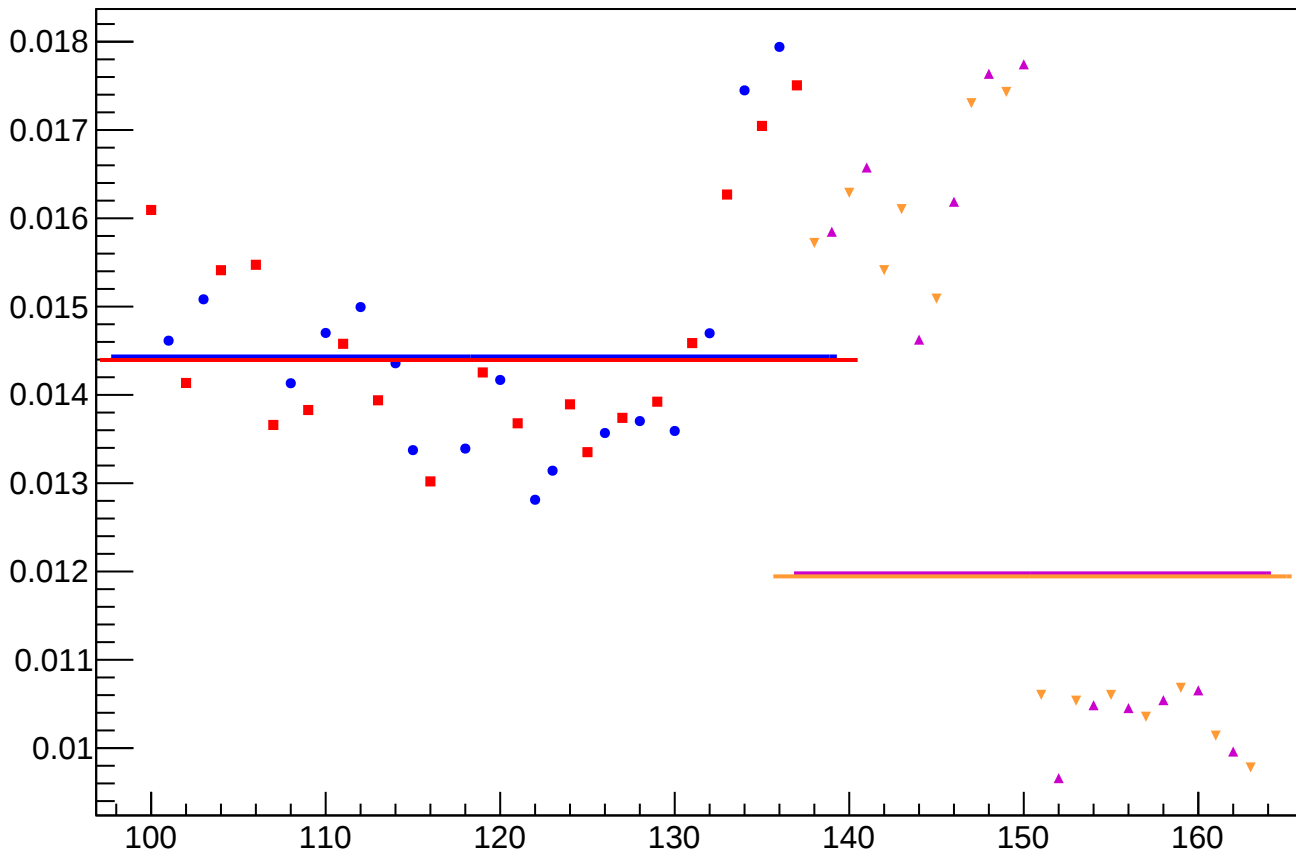
Right: 0.406+/-0.000 χ^2/NDF : 13839390791.2/35

In: 0.836+/-0.000 χ^2/NDF : 53083604643.1/28

Out: 0.866+/-0.000 χ^2/NDF : 47993570510.9/32

All: 0.852+/-0.000 χ^2/NDF : 101119065380.6

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.012+/-0.000 χ^2/NDF : 953964.1/13

Right Out: 0.014+/-0.000 χ^2/NDF : 74531.6/18

Left In: 0.012+/-0.000 χ^2/NDF : 994285.1/11

Left: 0.012+/-0.000 χ^2/NDF : 1948325.4/25

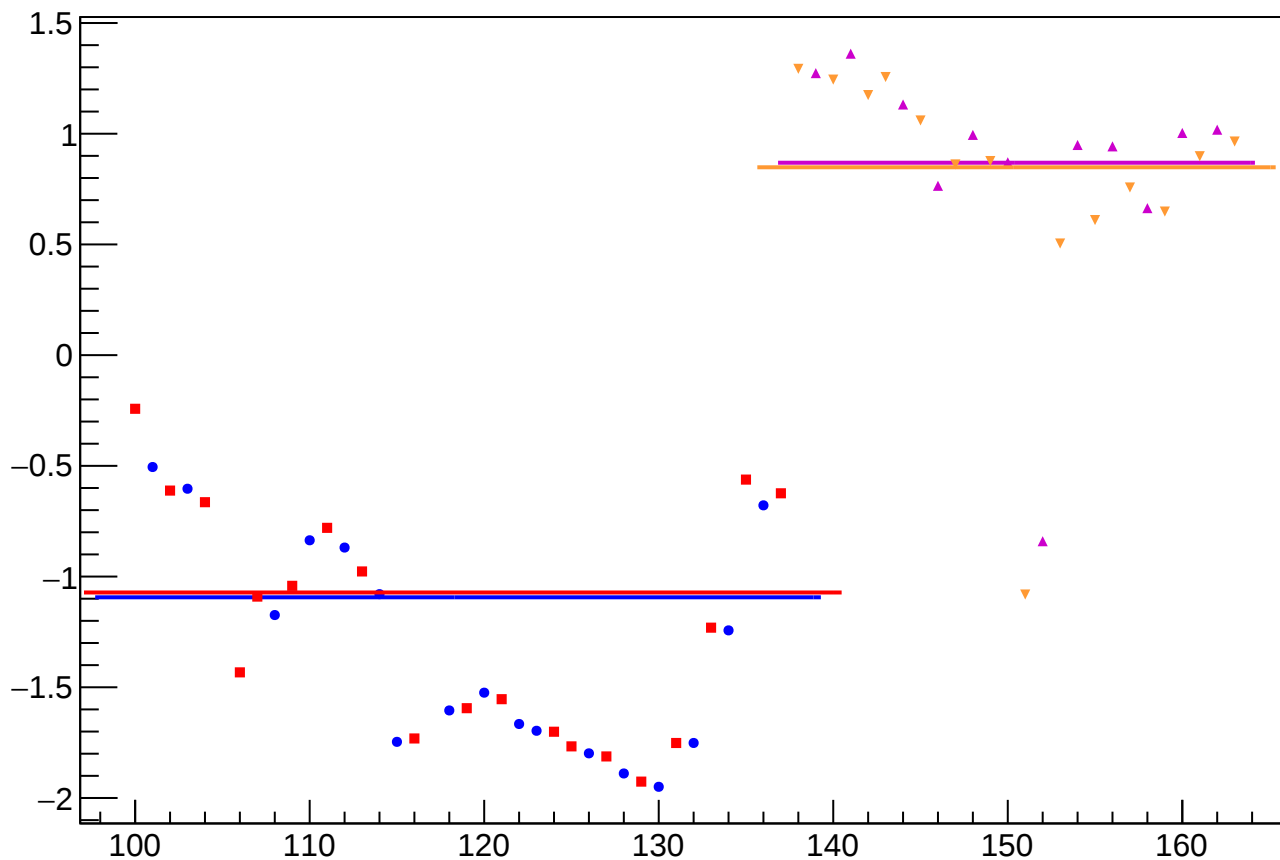
Right: 0.014+/-0.000 χ^2/NDF : 184806.5/35

In: 0.013+/-0.000 χ^2/NDF : 1360013.0/28

Out: 0.013+/-0.000 χ^2/NDF : 1299567.6/32

All: 0.013+/-0.000 χ^2/NDF : 2659864.4/61

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.848+/-0.000 χ^2/NDF : 124052862472.3/13

Right Out: -1.072+/-0.000 χ^2/NDF : 46896017480.0/18

Left In: 0.869+/-0.000 χ^2/NDF : 143667785157.2/11

Left: 0.858+/-0.000 χ^2/NDF : 267858179943.9/25

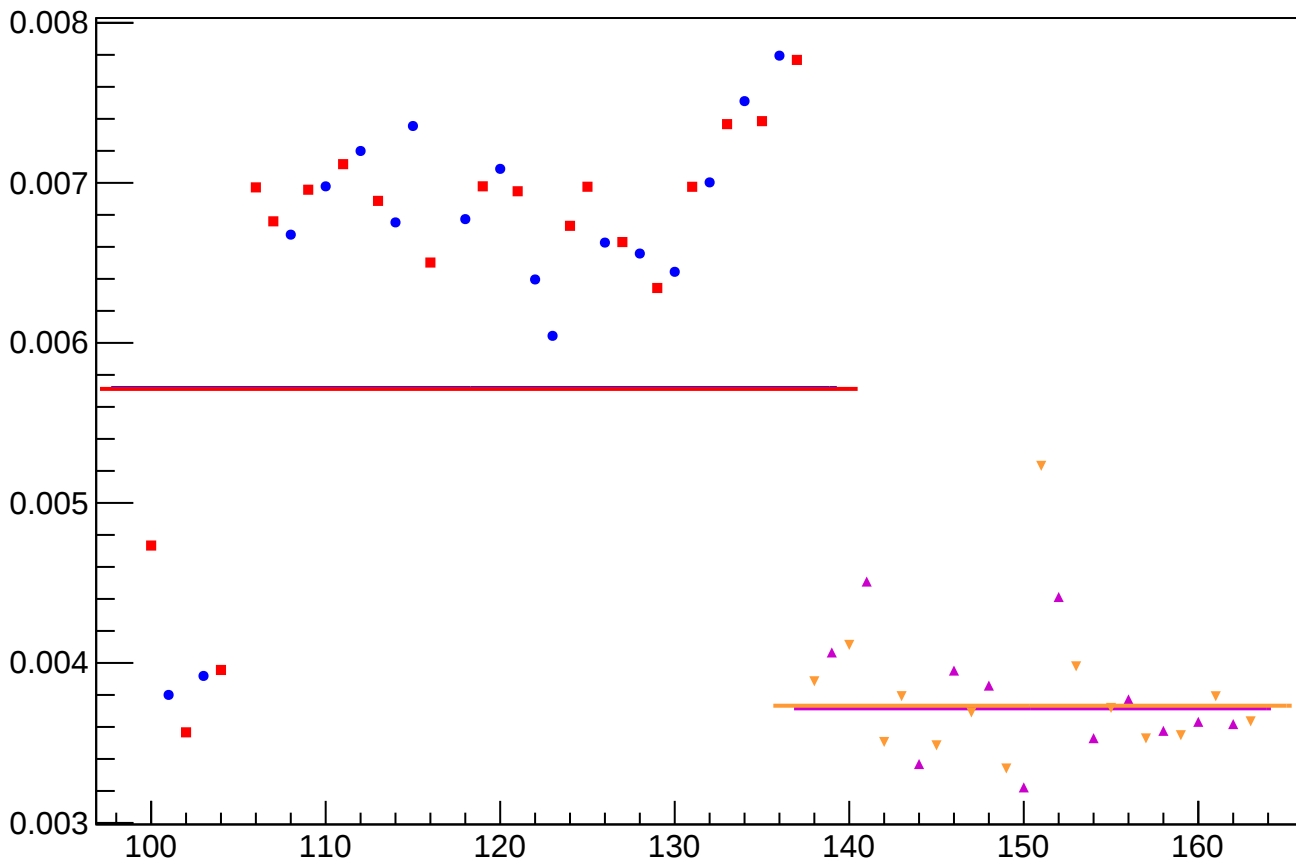
Right: -1.083+/-0.000 χ^2/NDF : 102900070258.1/35

In: 0.428+/-0.000 χ^2/NDF : 742172712419.9/28

Out: 0.426+/-0.000 χ^2/NDF : 714310492483.9/32

All: 0.427+/-0.000 χ^2/NDF : 1456484407332.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 837775.0/16

Left Out: 0.004+/-0.000 χ^2/NDF :159517.6/13

Right Out: 0.006+/-0.000 χ^2/NDF : 923899.1/18

Left In: 0.004+/-0.000 χ^2/NDF :164020.7/11

Left: 0.004+/-0.000 χ^2/NDF : 323716.5/25

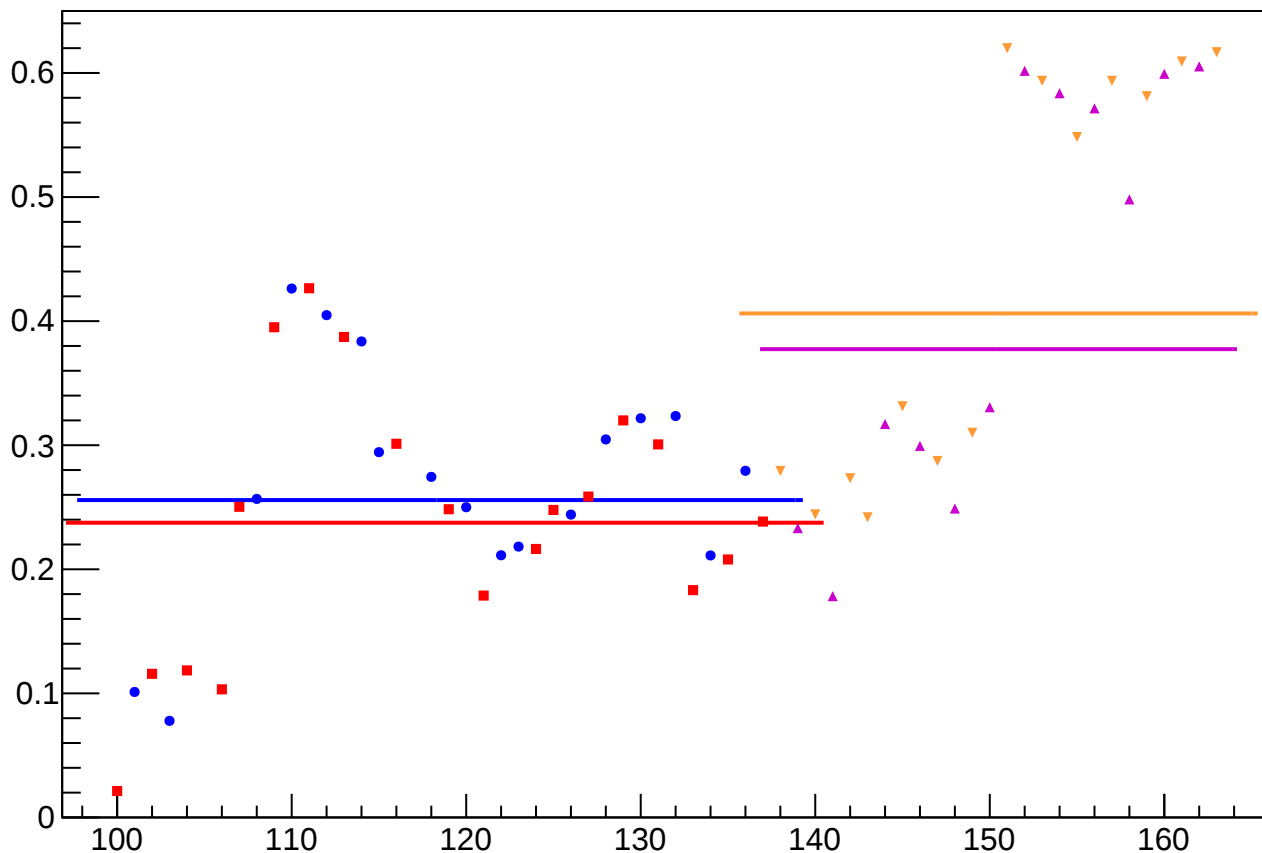
Right: 0.006+/-0.000 χ^2/NDF : 1761678.7/35

In: 0.004+/-0.000 χ^2/NDF :2130134.3/28

Out: 0.004+/-0.000 χ^2/NDF :2238548.9/32

All: 0.004+/-0.000 χ^2/NDF : 4368686.8/61

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256+/-0.000

χ^2/NDF : 21365489849.4/16

Left: 0.393+/-0.000

χ^2/NDF : 133295707528.9/25

Right: 0.246+/-0.000

χ^2/NDF : 47851542841.4/35

Left Out: 0.406+/-0.000

χ^2/NDF : 71317641697.6/13

In: 0.318+/-0.000

χ^2/NDF : 100626144536.4/28

Right Out: 0.238+/-0.000

χ^2/NDF : 26057284646.9/18

Out: 0.324+/-0.000

χ^2/NDF : 137314355361.7/32

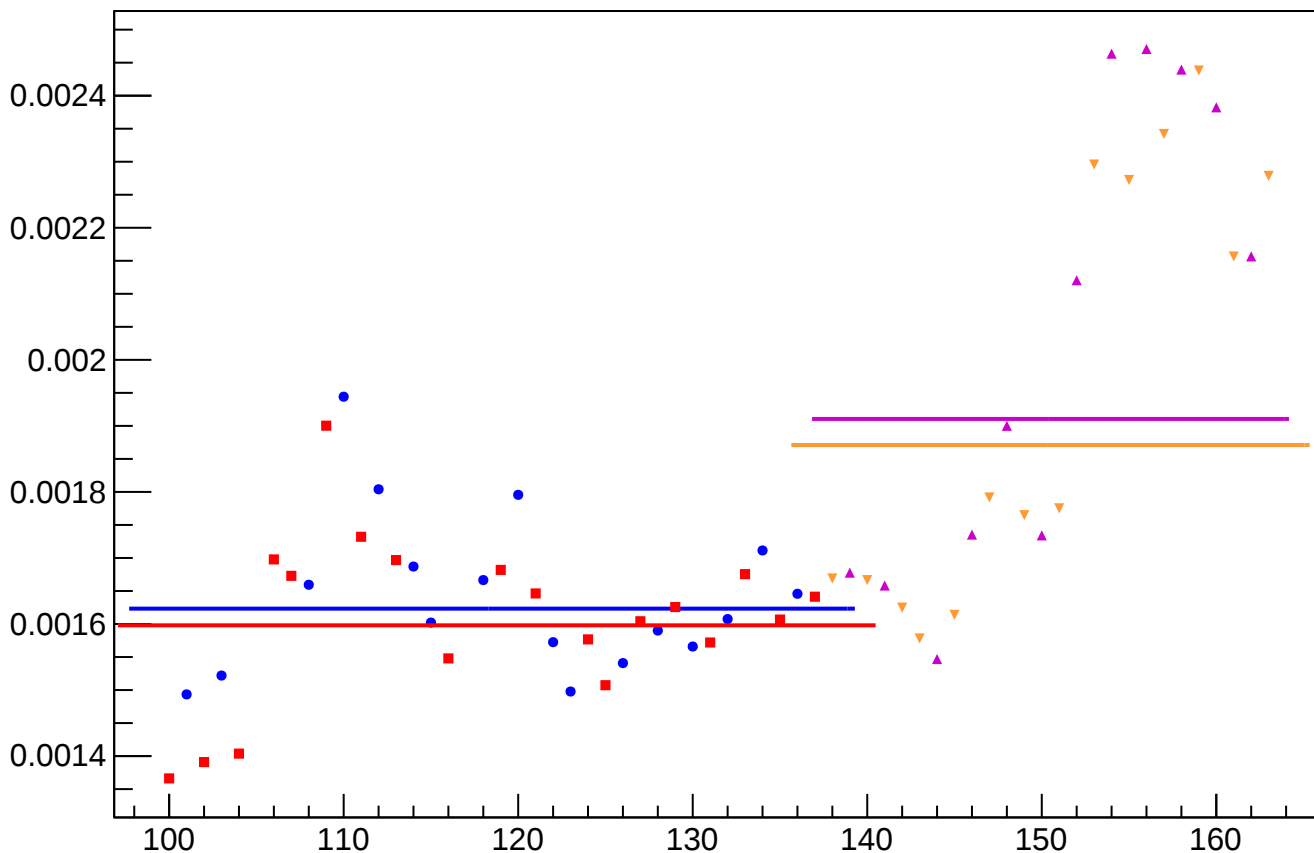
Left In: 0.377+/-0.000

χ^2/NDF : 60859630716.5/11

All: 0.321+/-0.000

χ^2/NDF : 238064286461.8

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 52468.7/16

Left Out: 0.002+/-0.000 χ^2/NDF : 490189.3/13

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

Left In: 0.002+/-0.000 χ^2/NDF : 528402.5/11

Left: 0.002+/-0.000 χ^2/NDF : 1022808.5/25

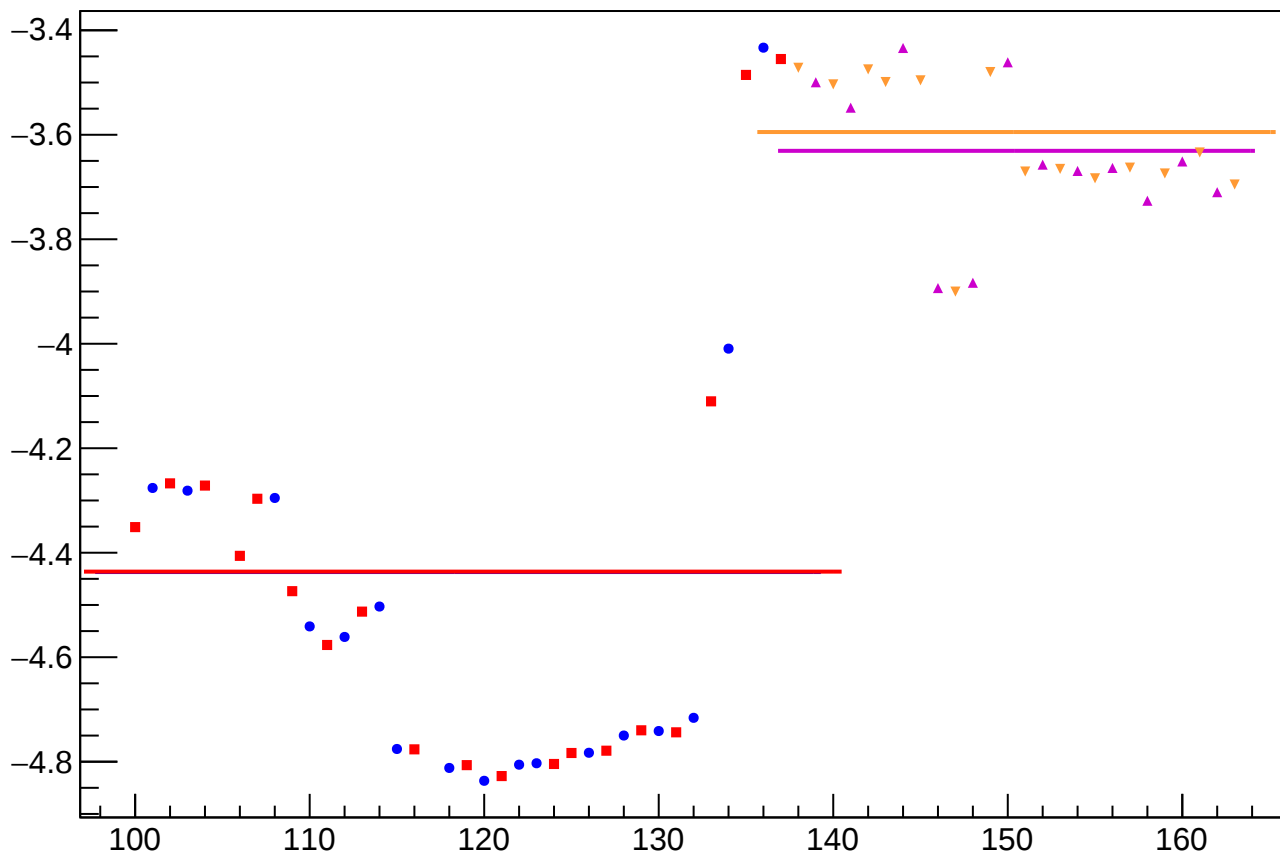
Right: 0.002+/-0.000 χ^2/NDF : 144790.6/35

In: 0.002+/-0.000 χ^2/NDF : 786091.3/28

Out: 0.002+/-0.000 χ^2/NDF : 790144.8/32

All: 0.002+/-0.000 χ^2/NDF : 1581175.0/61

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.437 $\pm$ 0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.595 $\pm$ 0.000 χ^2/NDF : 31200359552.2/13

Right Out: -4.436 $\pm$ 0.000 χ^2/NDF : 325183860699.4/18

Left In: -3.631 $\pm$ 0.000 χ^2/NDF : 42405410344.5/11

Left: -3.612 $\pm$ 0.000 χ^2/NDF : 74984164949.1/25

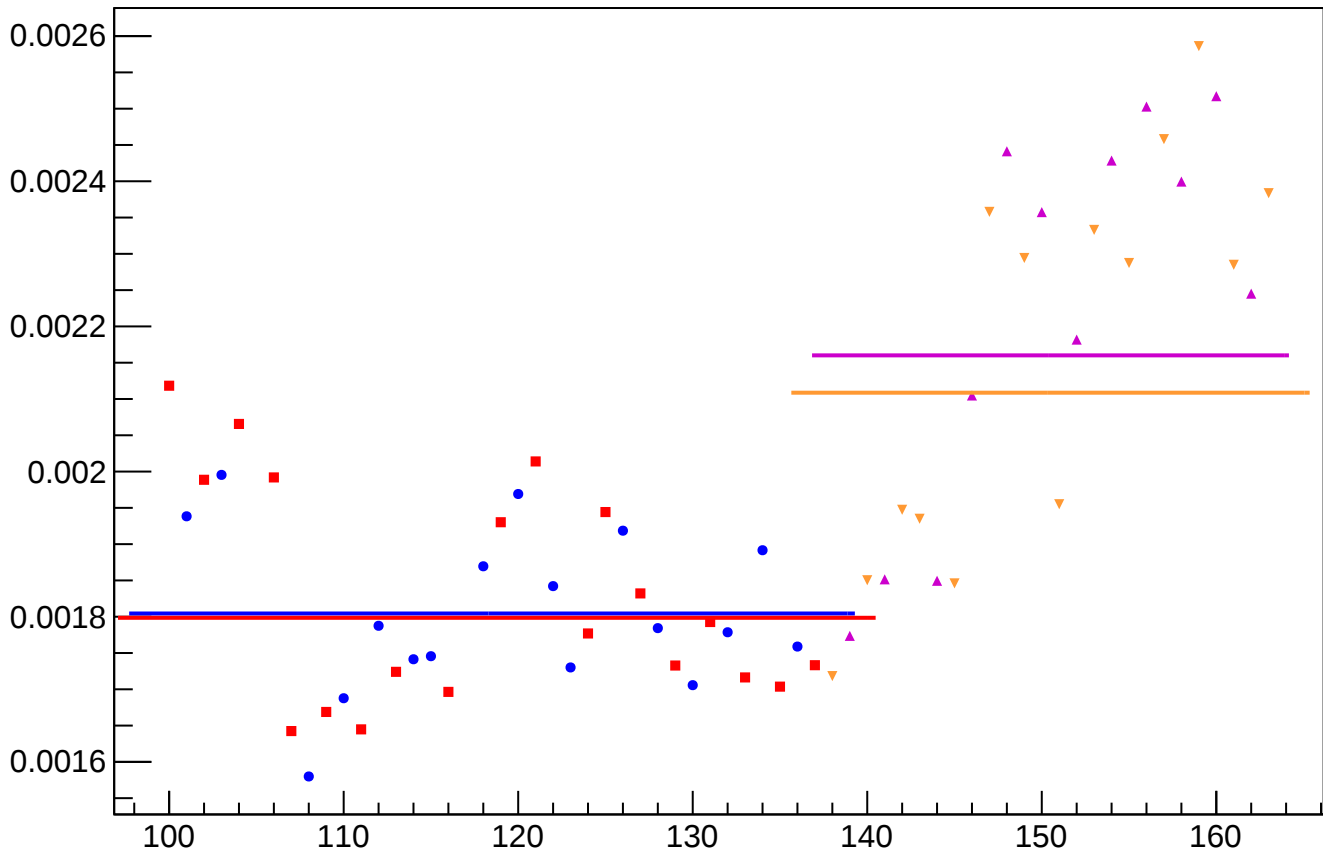
Right: -4.437 $\pm$ 0.000 χ^2/NDF : 717996921060.6/35

In: -4.033 $\pm$ 0.000 χ^2/NDF : 1085818731048.4/28

Out: -4.002 $\pm$ 0.000 χ^2/NDF : 1132610880789.5/32

All: -4.017 $\pm$ 0.000 χ^2/NDF : 2220482423396

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 49103.2/16

Left Out: 0.002+/-0.000 χ^2/NDF : 323377.1/13

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

Left In: 0.002+/-0.000 χ^2/NDF : 289440.6/11

Left: 0.002+/-0.000 χ^2/NDF : 618447.8/25

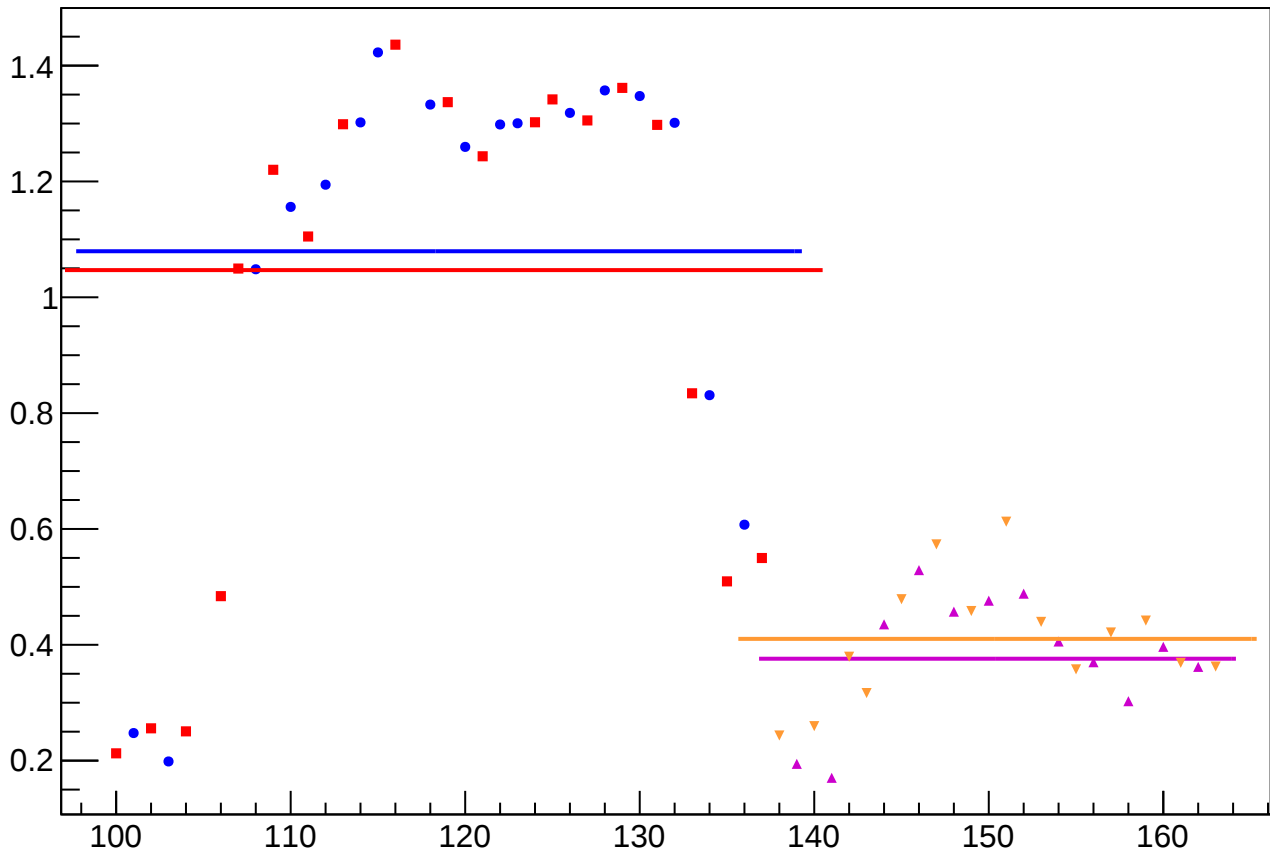
Right: 0.002+/-0.000 χ^2/NDF : 130196.1/35

In: 0.002+/-0.000 χ^2/NDF : 591781.0/28

Out: 0.002+/-0.000 χ^2/NDF : 615321.1/32

All: 0.002+/-0.000 χ^2/NDF : 1209508.0/61

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.080+/-0.000 χ^2/NDF : 17533321220.5/16

Left Out: 0.410+/-0.000 χ^2/NDF : 1214909119.7/13

Right Out: 1.047+/-0.000 χ^2/NDF : 19683192379.0/18

Left In: 0.376+/-0.000 χ^2/NDF : 1035201413.2/11

Left: 0.394+/-0.000 χ^2/NDF : 2312218232.0/25

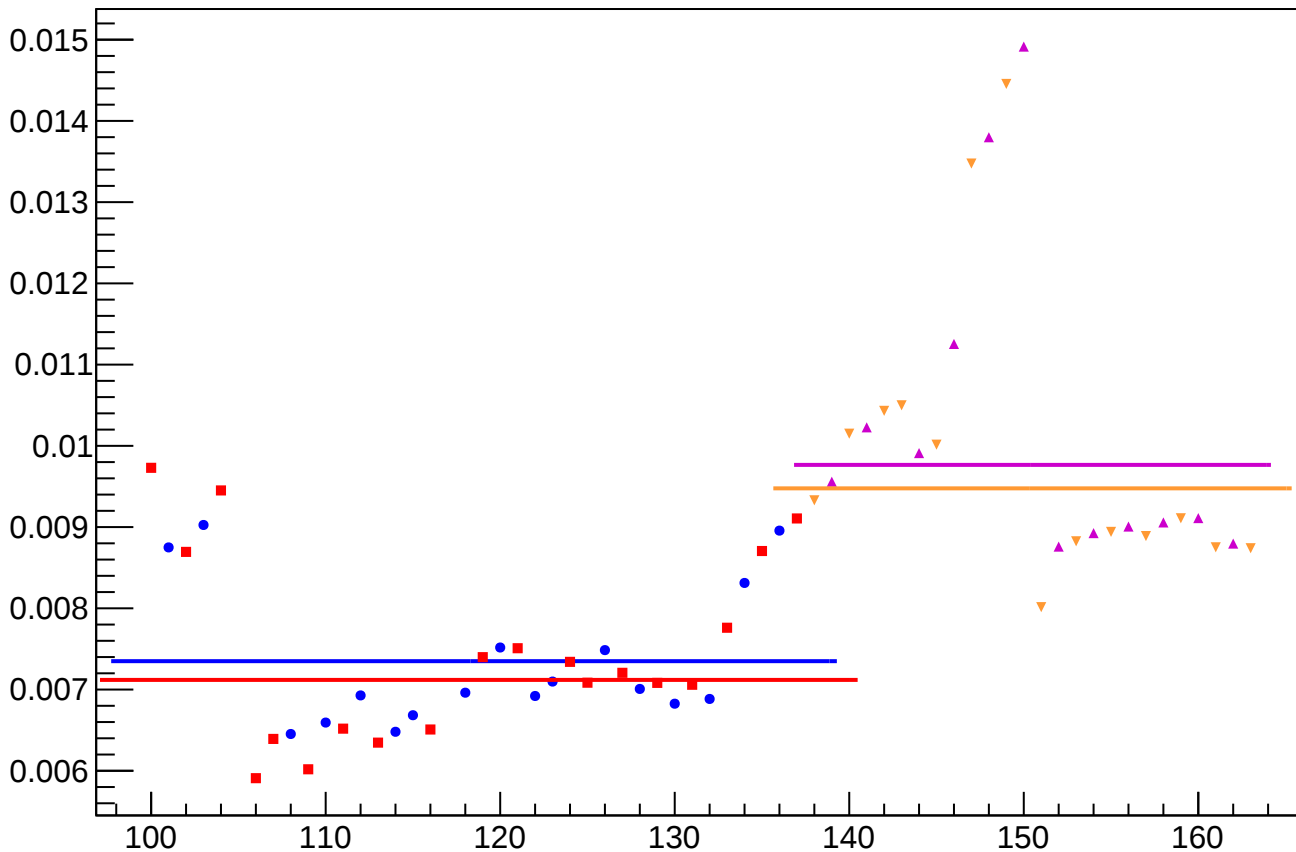
Right: 1.062+/-0.000 χ^2/NDF : 37285218980.1/35

In: 0.765+/-0.000 χ^2/NDF : 45623969694.0/28

Out: 0.759+/-0.000 χ^2/NDF : 46141178038.6/32

All: 0.762+/-0.000 χ^2/NDF : 91769650198.5/6

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 455823.3/13

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

Left In: 0.010+/-0.000 χ^2/NDF : 459036.7/11

Left: 0.010+/-0.000 χ^2/NDF : 923686.9/25

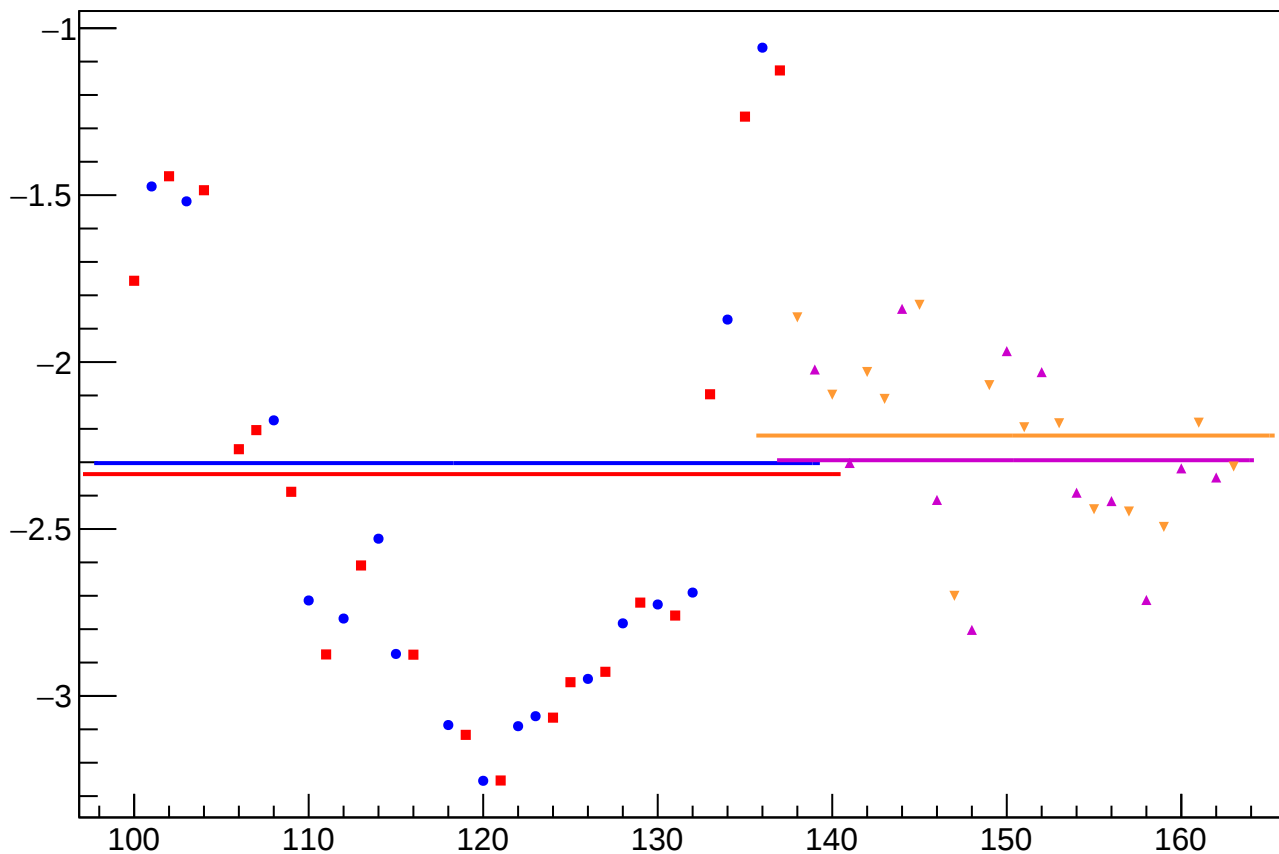
Right: 0.007+/-0.000 χ^2/NDF : 446823.4/35

In: 0.008+/-0.000 χ^2/NDF : 1278109.4/28

Out: 0.008+/-0.000 χ^2/NDF : 1407396.3/32

All: 0.008+/-0.000 χ^2/NDF : 2699489.5/61

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.220+/-0.000 χ^2/NDF : 6943623835.8/13

Right Out: -2.336+/-0.000 χ^2/NDF : 64499162456.4/18

Left In: -2.294+/-0.000 χ^2/NDF : 8408886109.5/11

Left: -2.255+/-0.000 χ^2/NDF : 15708680361.4/25

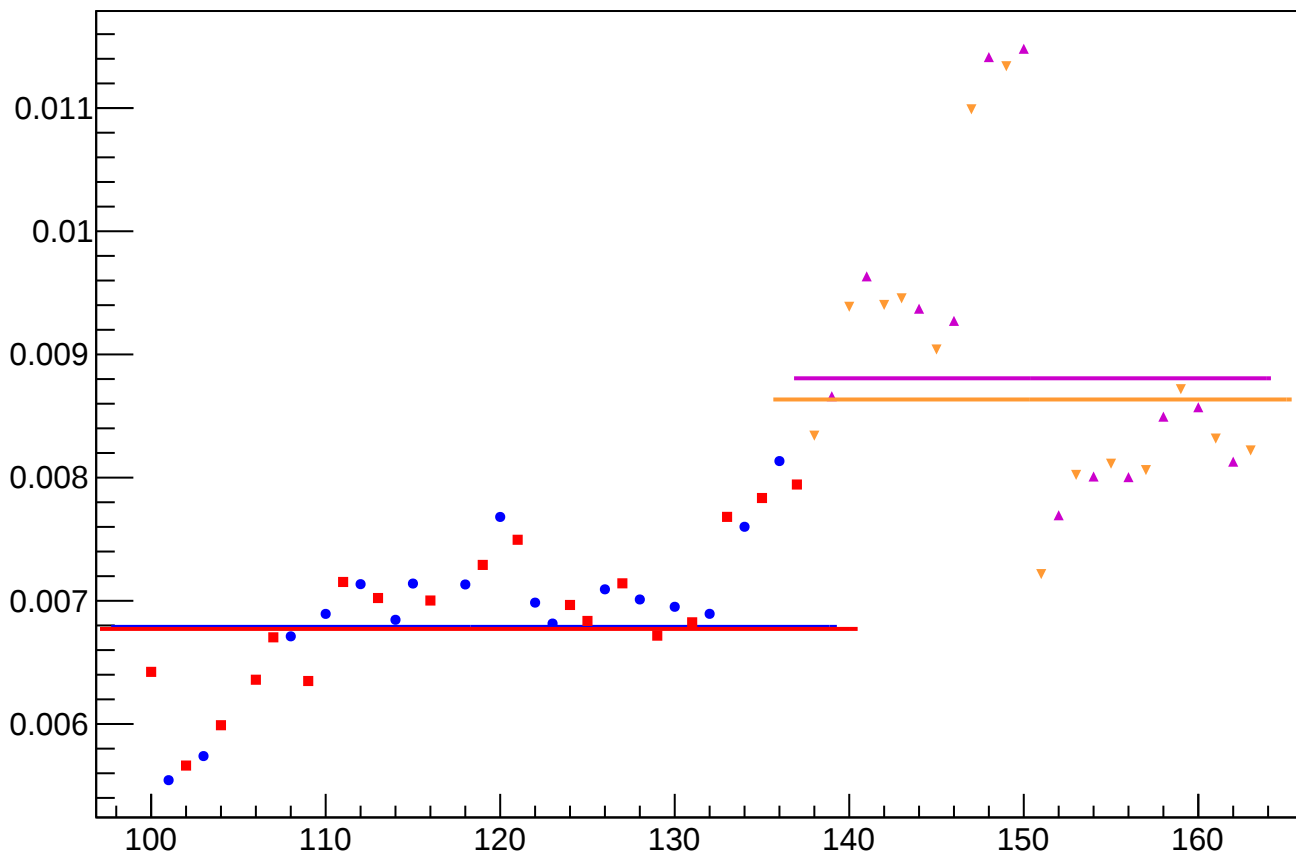
Right: -2.320+/-0.000 χ^2/NDF : 138336112561.8/35

In: -2.299+/-0.000 χ^2/NDF : 82169694882.8/28

Out: -2.281+/-0.000 χ^2/NDF : 72415495144.2/32

All: -2.289+/-0.000 χ^2/NDF : 154629161141.6

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 284757.7/13

Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

Left In: 0.009+/-0.000 χ^2/NDF : 281385.8/11

Left: 0.009+/-0.000 χ^2/NDF : 569998.2/25

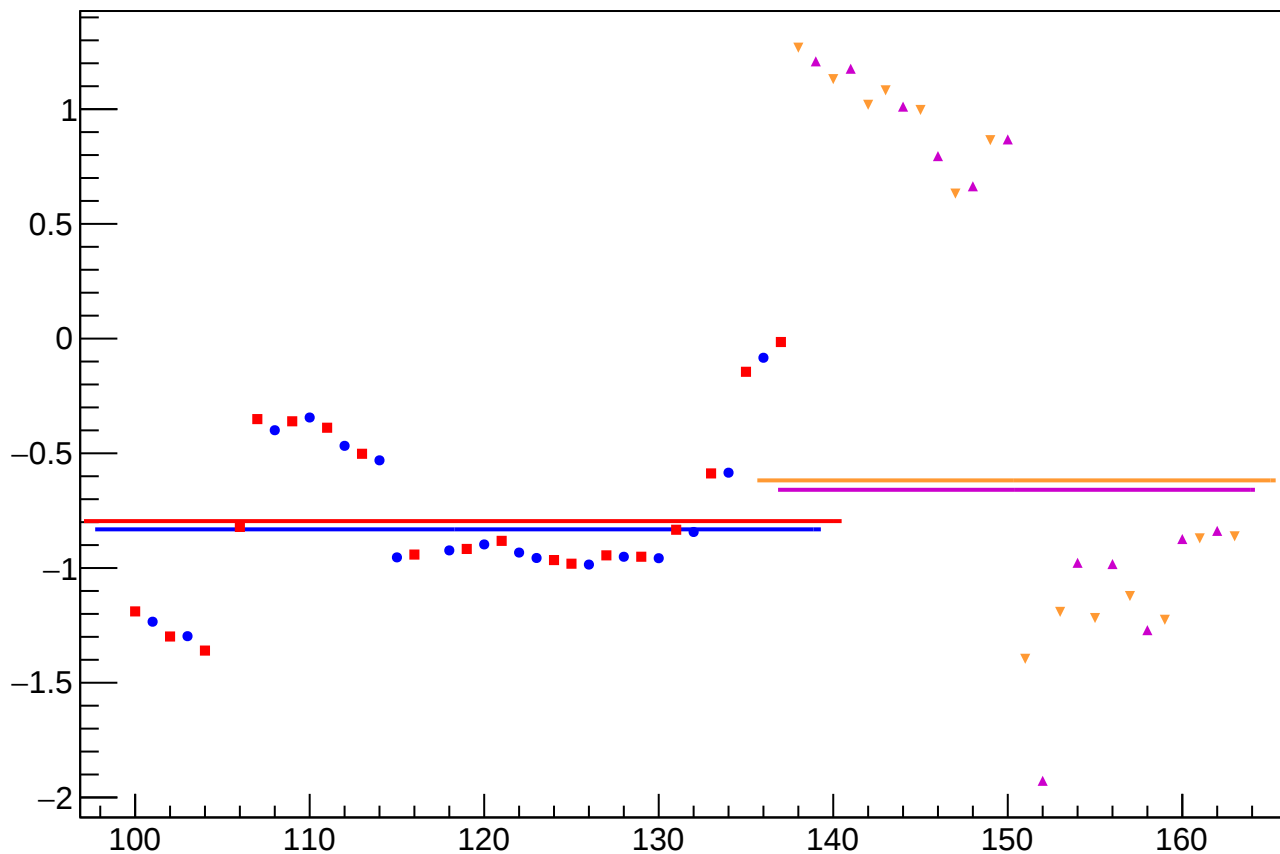
Right: 0.007+/-0.000 χ^2/NDF : 288483.5/35

In: 0.008+/-0.000 χ^2/NDF : 987193.1/28

Out: 0.008+/-0.000 χ^2/NDF : 913648.0/32

All: 0.008+/-0.000 χ^2/NDF : 1901990.2/61

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831 ± 0.000

χ^2/NDF : 6692170860.9/16

Left: -0.638 ± 0.000

χ^2/NDF : 227688946942.0/25

Left Out: -0.618 ± 0.000

χ^2/NDF : 110008860458.7/13

Right: -0.813 ± 0.000

χ^2/NDF : 14551426152.3/35

Right Out: -0.796 ± 0.000

χ^2/NDF : 7821744046.6/18

In: -0.714 ± 0.000

χ^2/NDF : 125407834524.5/28

Out: -0.674 ± 0.000

χ^2/NDF : 119119570283.6/32

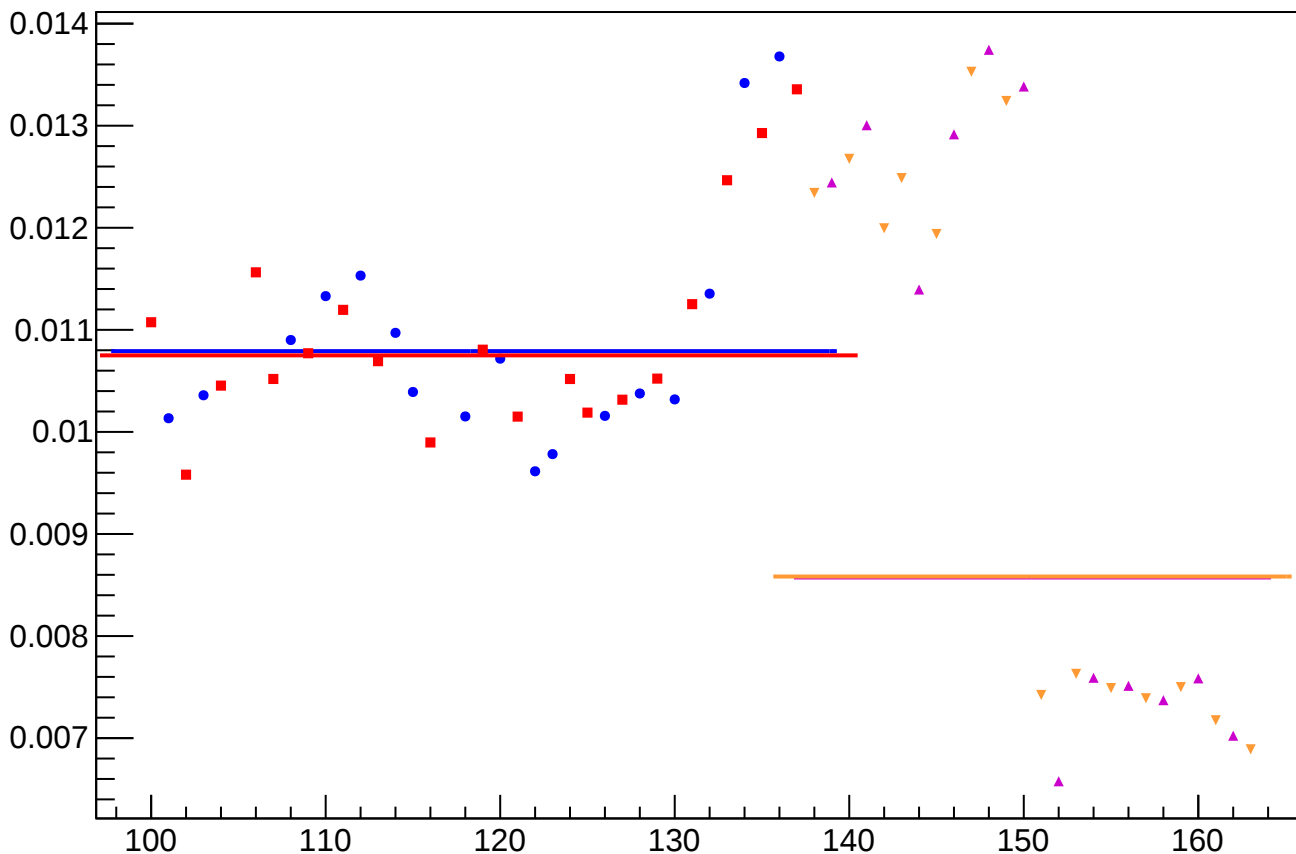
Left In: -0.659 ± 0.000

χ^2/NDF : 117575016940.6/11

All: -0.693 ± 0.000

χ^2/NDF : 244676833337.0

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.009+/-0.000 χ^2/NDF :1323758.1/13

Right Out: 0.011+/-0.000 χ^2/NDF : 90220.8/18

Left In: 0.009+/-0.000 χ^2/NDF :1391390.6/11

Left: 0.009+/-0.000 χ^2/NDF : 2715159.8/25

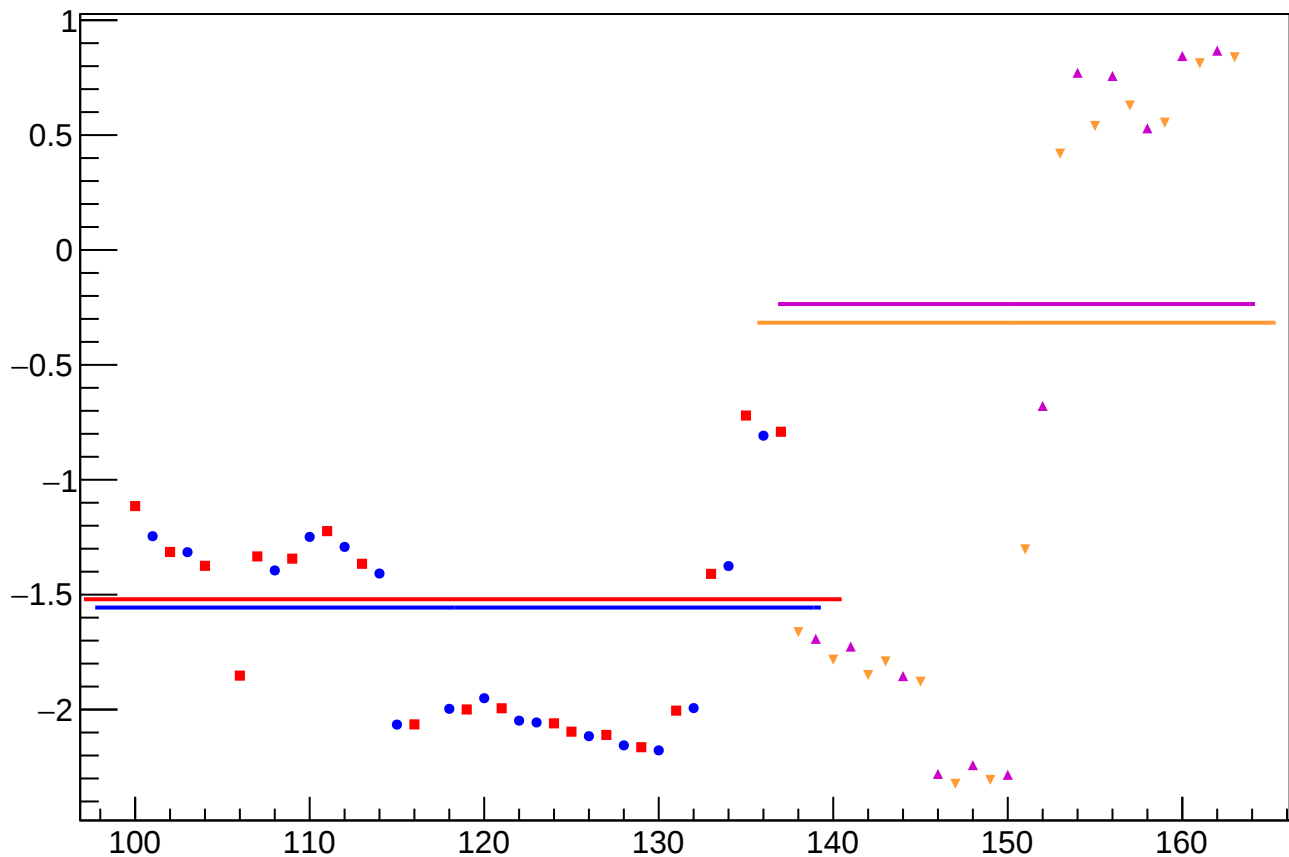
Right: 0.011+/-0.000 χ^2/NDF : 216122.9/35

In: 0.009+/-0.000 χ^2/NDF :1894570.0/28

Out: 0.009+/-0.000 χ^2/NDF :1798190.4/32

All: 0.009+/-0.000 χ^2/NDF : 3692828.7/61

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -0.317+/-0.000 χ^2/NDF : 1765845814870.0/13

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

Left In: -0.235+/-0.000 χ^2/NDF : 1649573976634.2/11

Left: -0.278+/-0.000 χ^2/NDF : 3419092890955.8/25

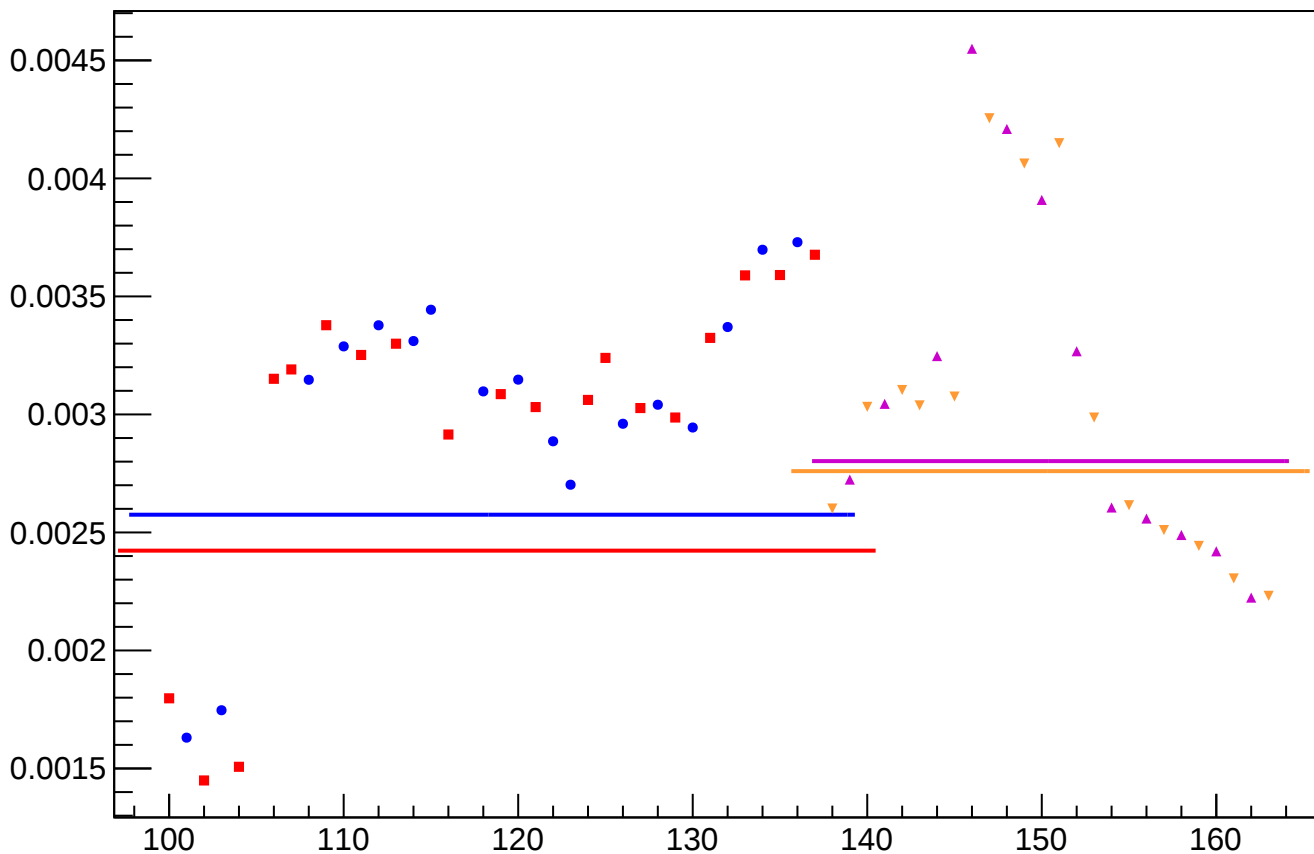
Right: -1.537+/-0.000 χ^2/NDF : 294029827862.9/35

In: -0.827+/-0.000 χ^2/NDF : 2626848301071.9/28

Out: -0.858+/-0.000 χ^2/NDF : 2673526771938.2/32

All: -0.843+/-0.000 χ^2/NDF : 5301380496902

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF : 642524.3/13

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

Left In: 0.003+/-0.000 χ^2/NDF : 656800.4/11

Left: 0.003+/-0.000 χ^2/NDF : 1301330.2/25

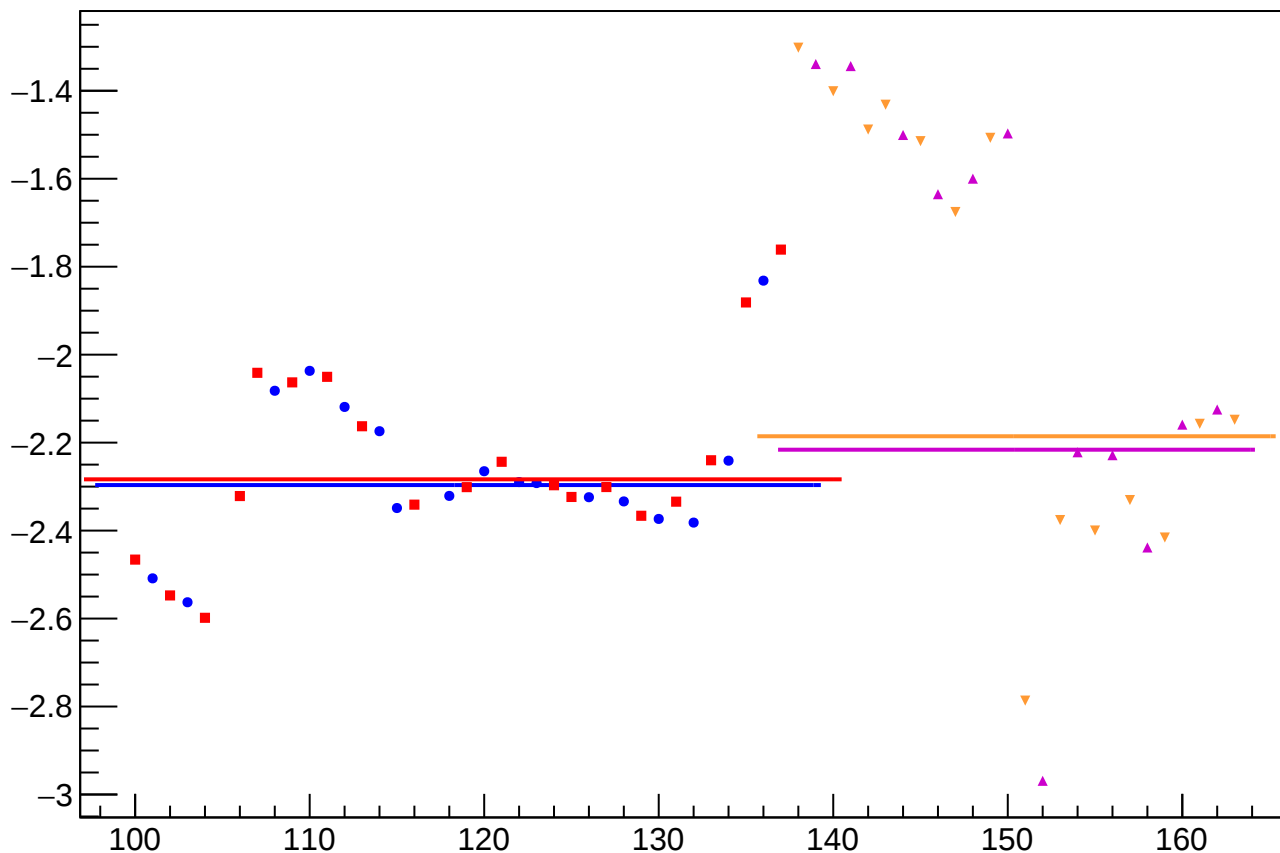
Right: 0.002+/-0.000 χ^2/NDF : 2524978.4/35

In: 0.003+/-0.000 χ^2/NDF : 1719229.1/28

Out: 0.003+/-0.000 χ^2/NDF : 2253192.4/32

All: 0.003+/-0.000 χ^2/NDF : 3989668.7/61

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.186+/-0.000 χ^2/NDF : 51015979682.1/13

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

Left In: -2.216+/-0.000 χ^2/NDF : 66125968751.2/11

Left: -2.200+/-0.000 χ^2/NDF : 117289750350.6/25

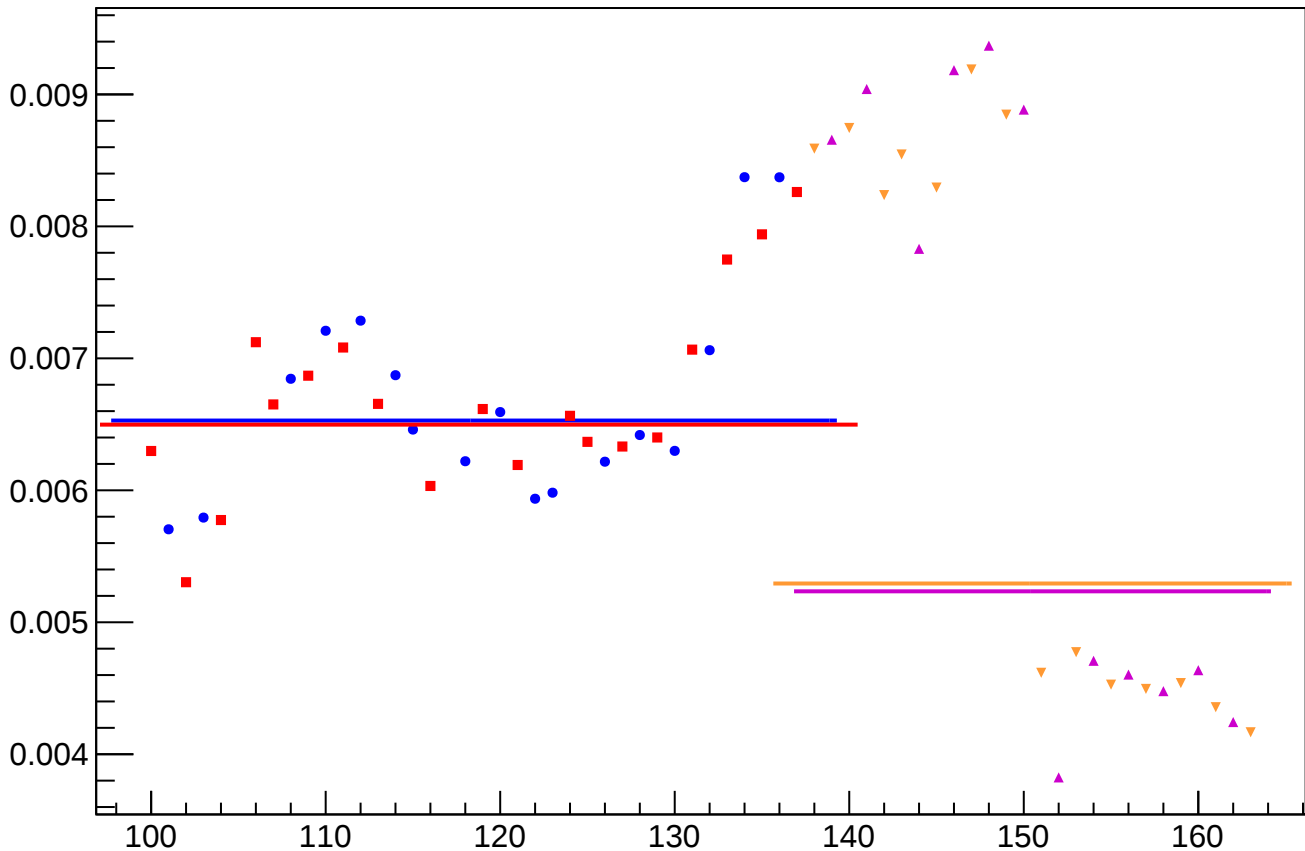
Right: -2.290+/-0.000 χ^2/NDF : 12344935761.7/35

In: -2.243+/-0.000 χ^2/NDF : 72563936300.1/28

Out: -2.218+/-0.000 χ^2/NDF : 58598643993.3/32

All: -2.230+/-0.000 χ^2/NDF : 131310427205.2

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.005+/-0.000 χ^2/NDF :1807270.2/13

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

Left In: 0.005+/-0.000 χ^2/NDF :1940989.2/11

Left: 0.005+/-0.000 χ^2/NDF : 3749370.5/25

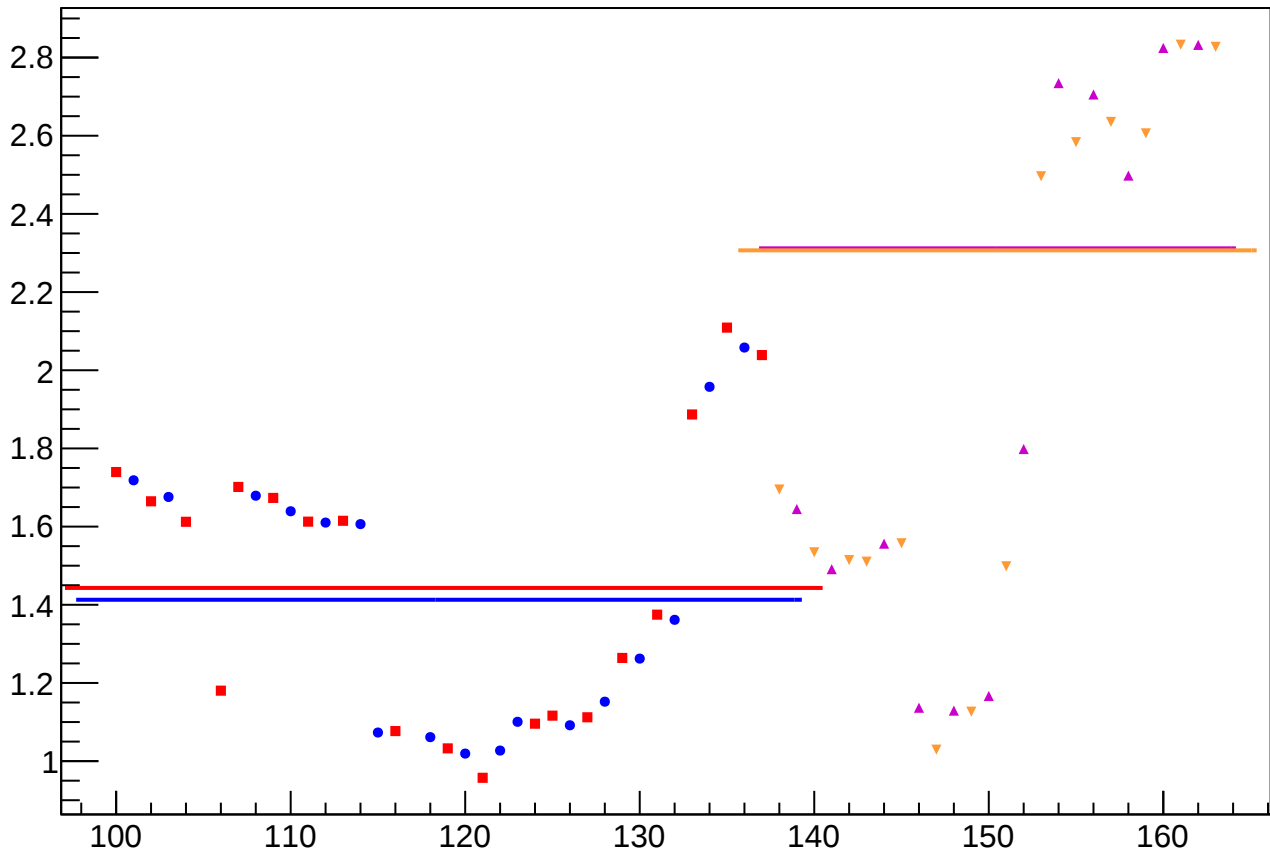
Right: 0.007+/-0.000 χ^2/NDF : 340761.0/35

In: 0.006+/-0.000 χ^2/NDF :2457000.2/28

Out: 0.006+/-0.000 χ^2/NDF :2283958.4/32

All: 0.006+/-0.000 χ^2/NDF : 4741278.9/61

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.307+/-0.000 χ^2/NDF : 196511838597.6/13

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

Left In: 2.312+/-0.000 χ^2/NDF : 190953609907.2/11

Left: 2.309+/-0.000 χ^2/NDF : 387473405143.2/25

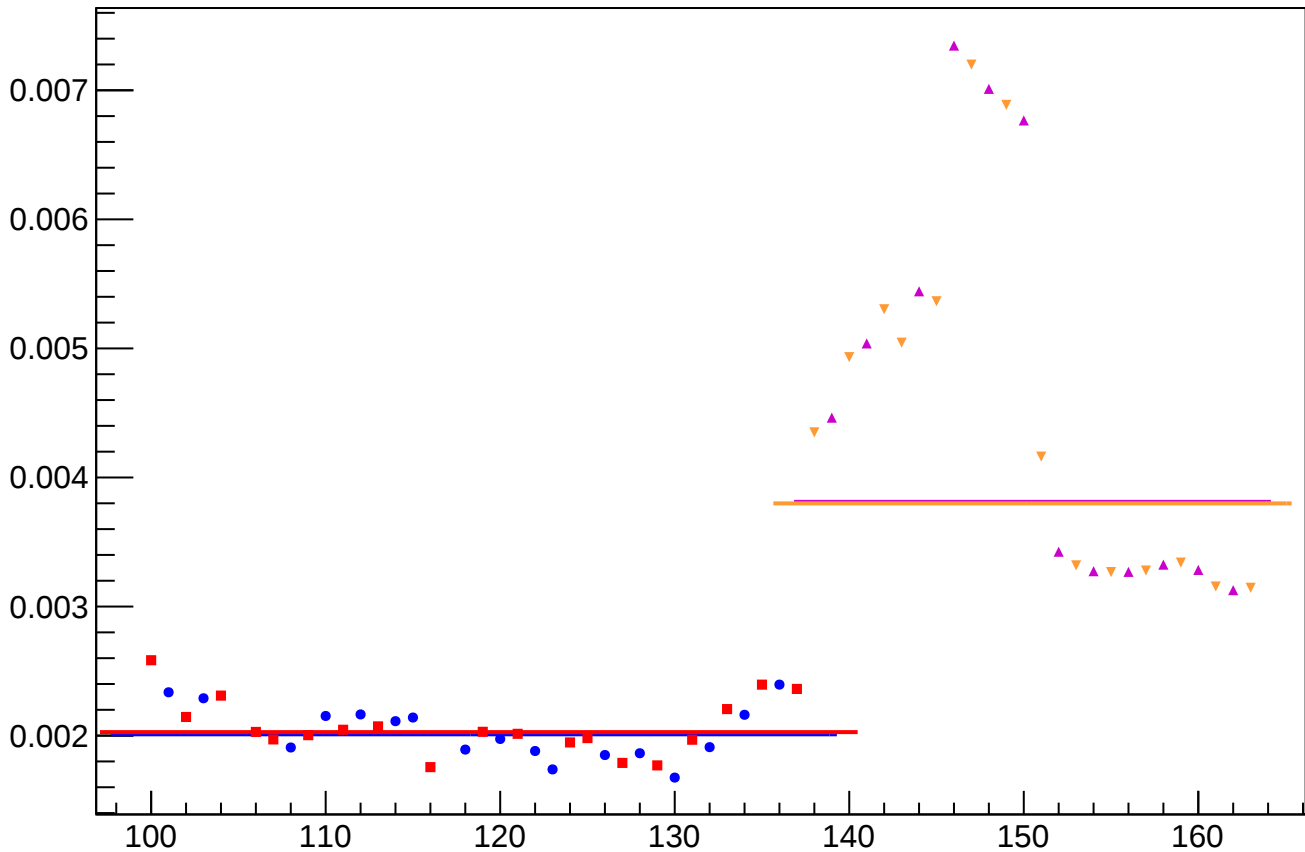
Right: 1.428+/-0.000 χ^2/NDF : 346560852941.7/35

In: 1.657+/-0.000 χ^2/NDF : 698957521785.5/28

Out: 1.690+/-0.000 χ^2/NDF : 705942153467.9/32

All: 1.674+/-0.000 χ^2/NDF : 1406037242574.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.004+/-0.000 χ^2/NDF : 1161796.6/13

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

Left In: 0.004+/-0.000 χ^2/NDF : 1328163.9/11

Left: 0.004+/-0.000 χ^2/NDF : 2490046.6/25

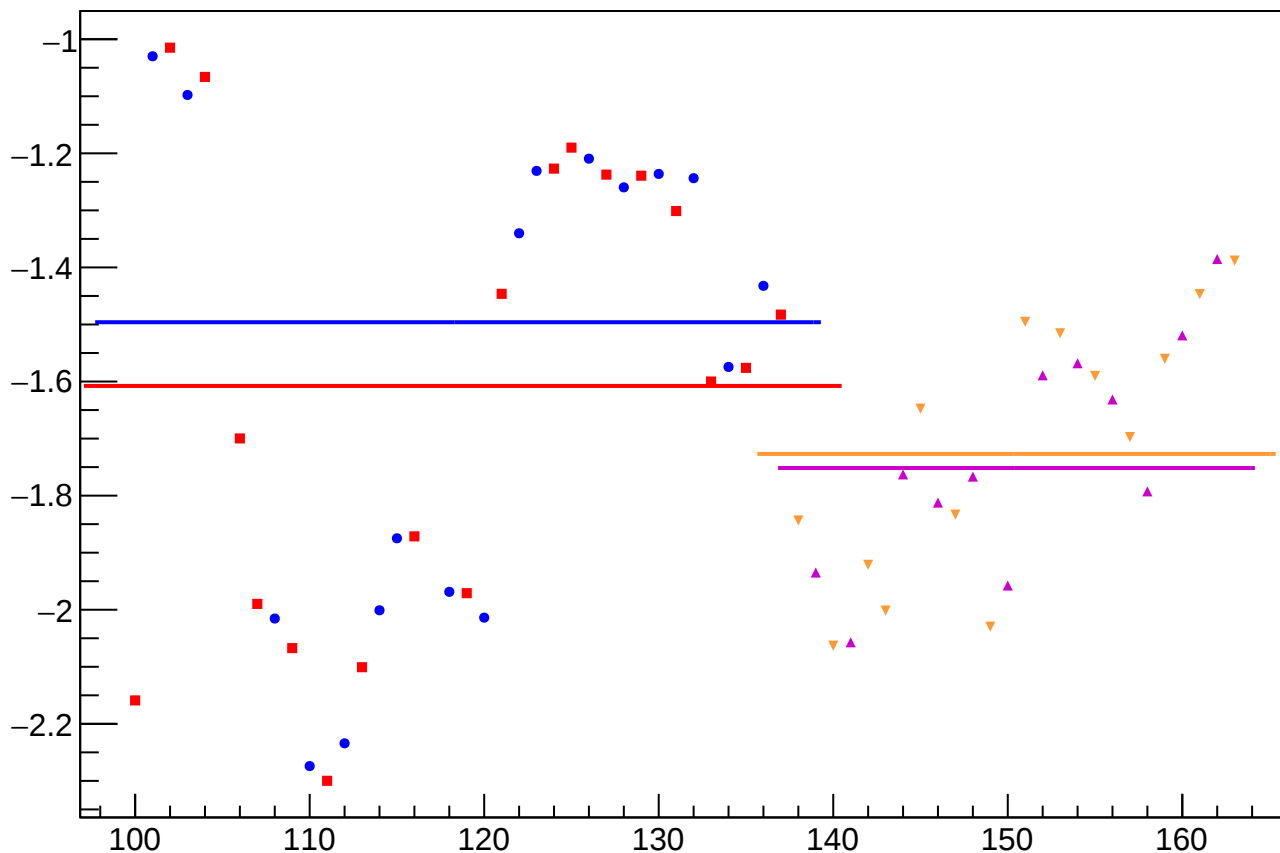
Right: 0.002+/-0.000 χ^2/NDF : 256903.9/35

In: 0.002+/-0.000 χ^2/NDF : 4172943.9/28

Out: 0.003+/-0.000 χ^2/NDF : 4095972.2/32

All: 0.003+/-0.000 χ^2/NDF : 8271330.9/61

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.727+/-0.000 χ^2/NDF : 13228744027.8/13

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

Left In: -1.752+/-0.000 χ^2/NDF : 8641727591.1/11

Left: -1.739+/-0.000 χ^2/NDF : 21945779068.4/25

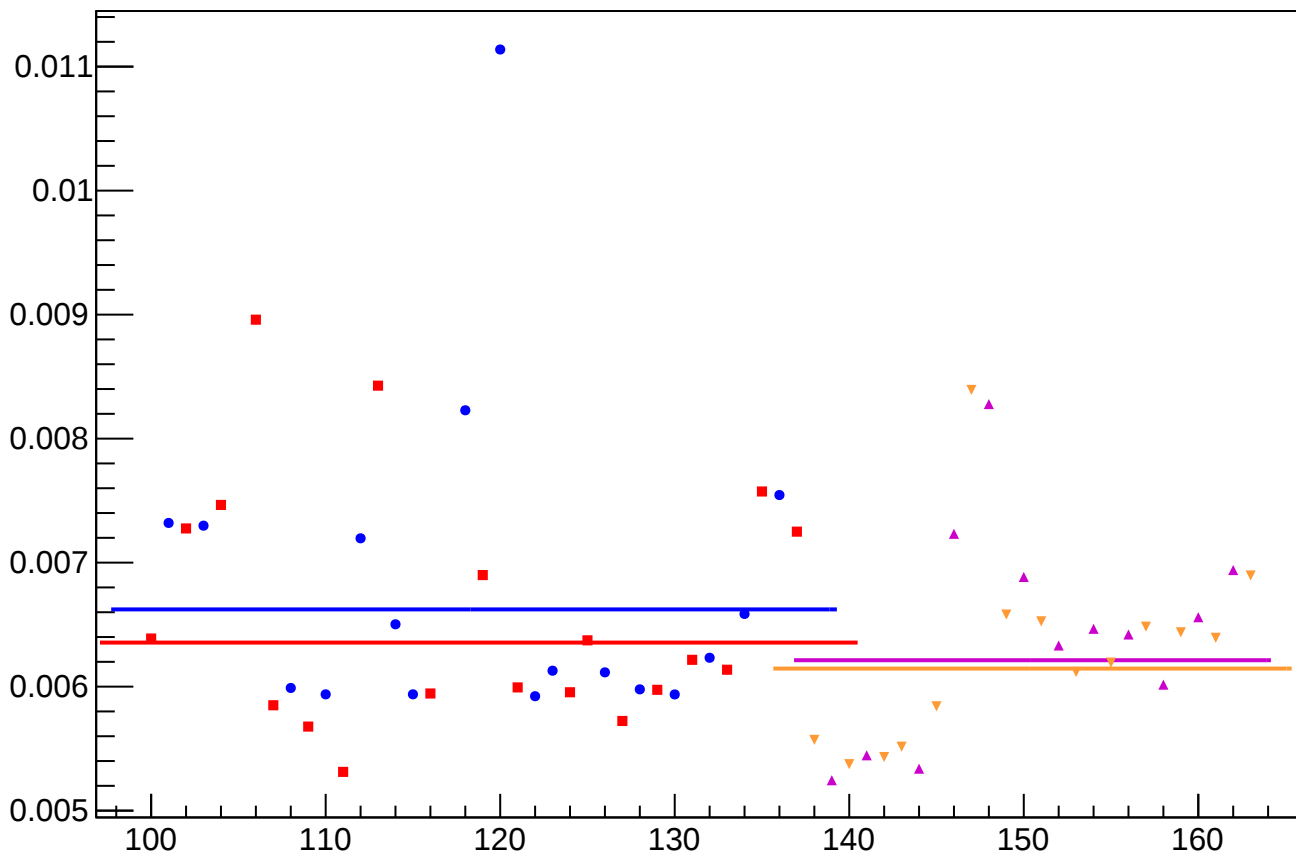
Right: -1.556+/-0.000 χ^2/NDF : 51297044912.1/35

In: -1.656+/-0.000 χ^2/NDF : 36844704612.7/28

Out: -1.681+/-0.000 χ^2/NDF : 42488554945.9/32

All: -1.669+/-0.000 χ^2/NDF : 79455715209.6/71

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :219908.7/13

Right Out: 0.006+/-0.000 χ^2/NDF : 227861.1/18

Left In: 0.006+/-0.000 χ^2/NDF :280704.9/11

Left: 0.006+/-0.000 χ^2/NDF : 501723.0/25

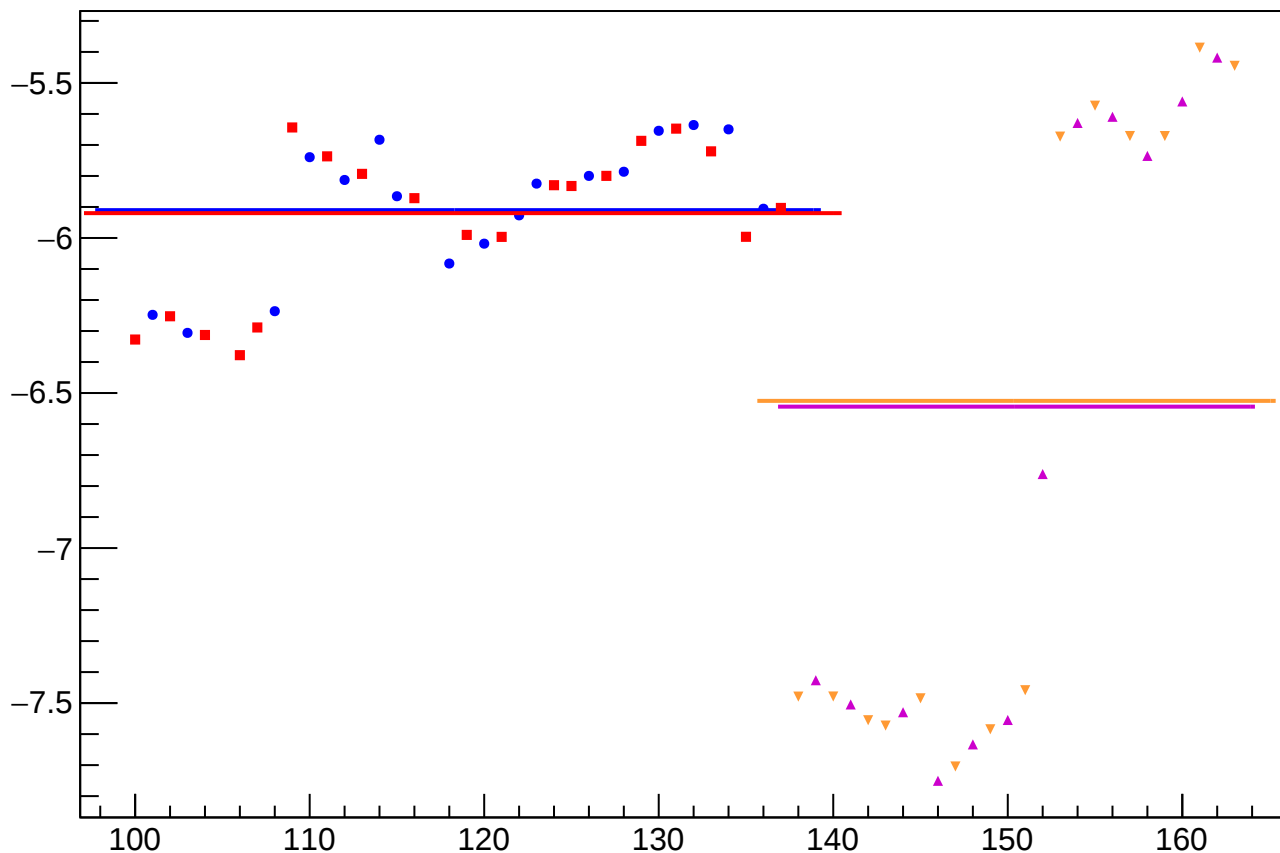
Right: 0.006+/-0.000 χ^2/NDF : 471227.9/35

In: 0.006+/-0.000 χ^2/NDF :542531.5/28

Out: 0.006+/-0.000 χ^2/NDF :456573.6/32

All: 0.006+/-0.000 χ^2/NDF : 1006826.3/61

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.525+/-0.000 χ^2/NDF : 136107869909.5/13

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

Left In: -6.544+/-0.000 χ^2/NDF : 110026739167.5/11

Left: -6.534+/-0.000 χ^2/NDF : 246157718905.6/25

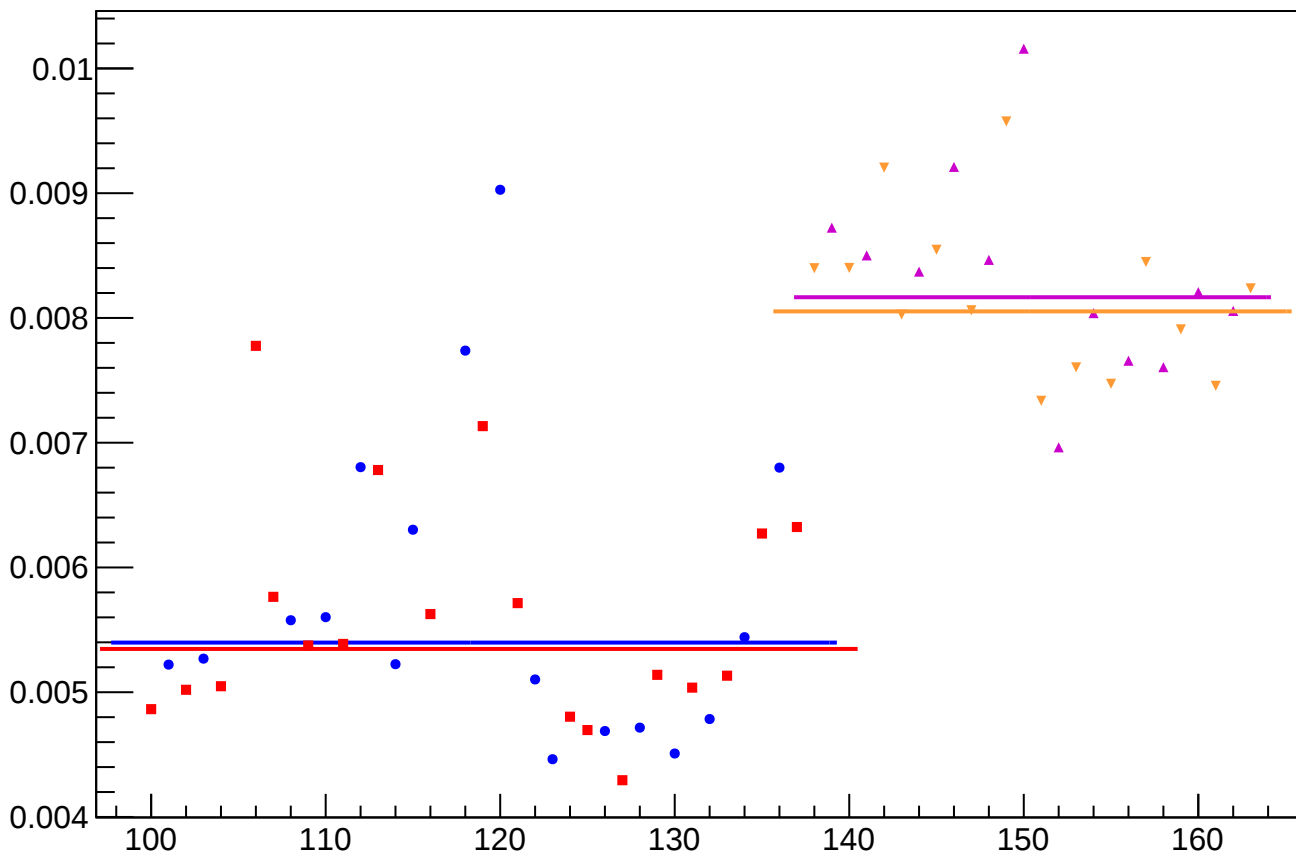
Right: -5.915+/-0.000 χ^2/NDF : 23950013841.5/35

In: -6.155+/-0.000 χ^2/NDF : 152616253398.3/28

Out: -6.153+/-0.000 χ^2/NDF : 180298381295.7/32

All: -6.154+/-0.000 χ^2/NDF : 332915321946.5

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :94064.2/13

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

Left In: 0.008+/-0.000 χ^2/NDF :141228.7/11

Left: 0.008+/-0.000 χ^2/NDF : 237003.0/25

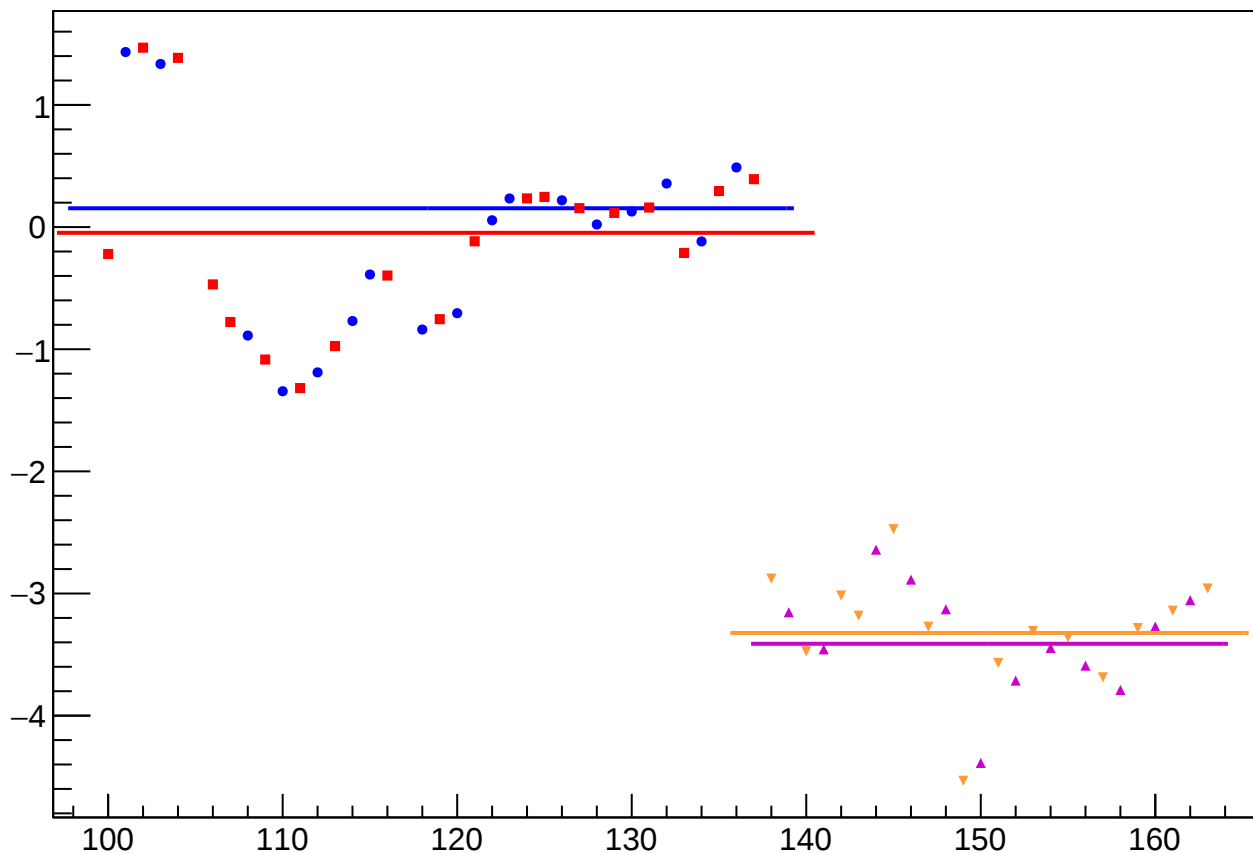
Right: 0.005+/-0.000 χ^2/NDF : 621271.5/35

In: 0.006+/-0.000 χ^2/NDF :1712165.1/28

Out: 0.006+/-0.000 χ^2/NDF :1597892.2/32

All: 0.006+/-0.000 χ^2/NDF : 3312172.9/61

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.323+/-0.000 χ^2/NDF : 7504648950.8/13

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

Left In: -3.412+/-0.000 χ^2/NDF : 6490602549.4/11

Left: -3.365+/-0.000 χ^2/NDF : 14139691649.6/25

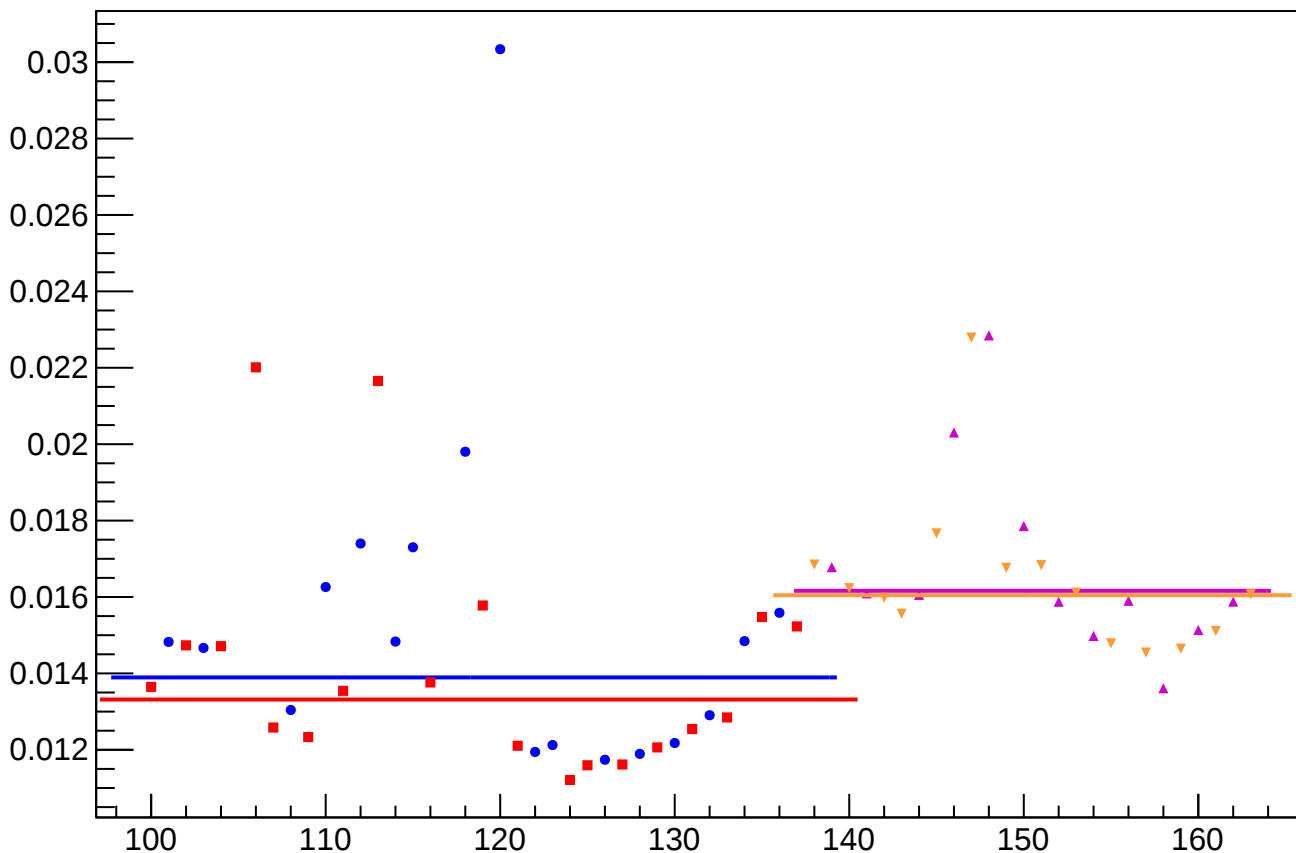
Right: 0.045+/-0.000 χ^2/NDF : 38872167594.9/35

In: -1.742+/-0.000 χ^2/NDF : 230863190772.5/28

Out: -1.732+/-0.000 χ^2/NDF : 229768345083.1/32

All: -1.737+/-0.000 χ^2/NDF : 460635294638.5

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 400569.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF:194148.9/13

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 291358.0/18

Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:274488.0/11

Left: 0.016 $\pm$ 0.000 χ^2 /NDF: 469124.2/25

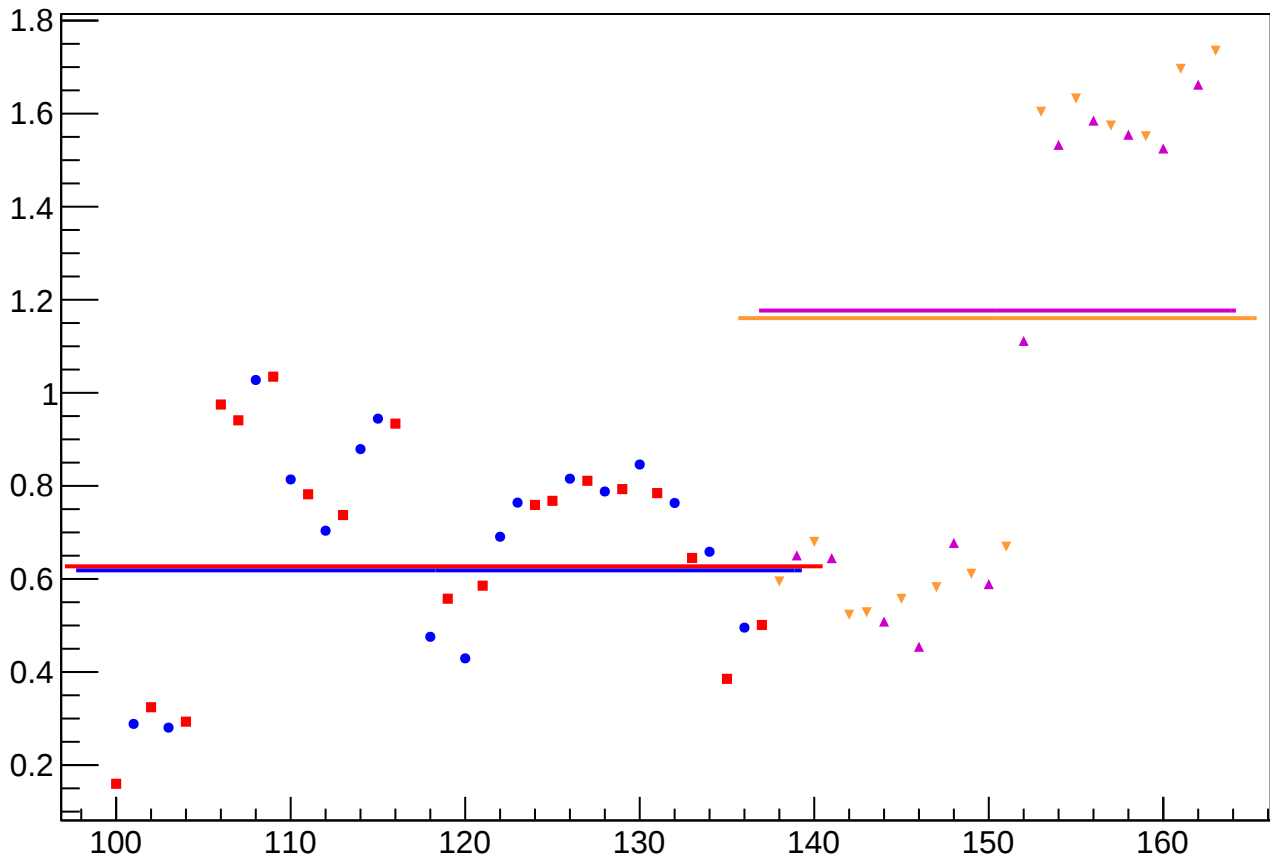
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 703029.7/35

In: 0.015 $\pm$ 0.000 χ^2 /NDF:842858.0/28

Out: 0.015 $\pm$ 0.000 χ^2 /NDF:764765.5/32

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1617688.5/61

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 1.160+/-0.000 χ^2/NDF : 54883818611.9/13

Right Out: 0.627+/-0.000 χ^2/NDF : 6337935219.4/18

Left In: 1.177+/-0.000 χ^2/NDF : 45710666109.0/11

Left: 1.169+/-0.000 χ^2/NDF : 100622640663.9/25

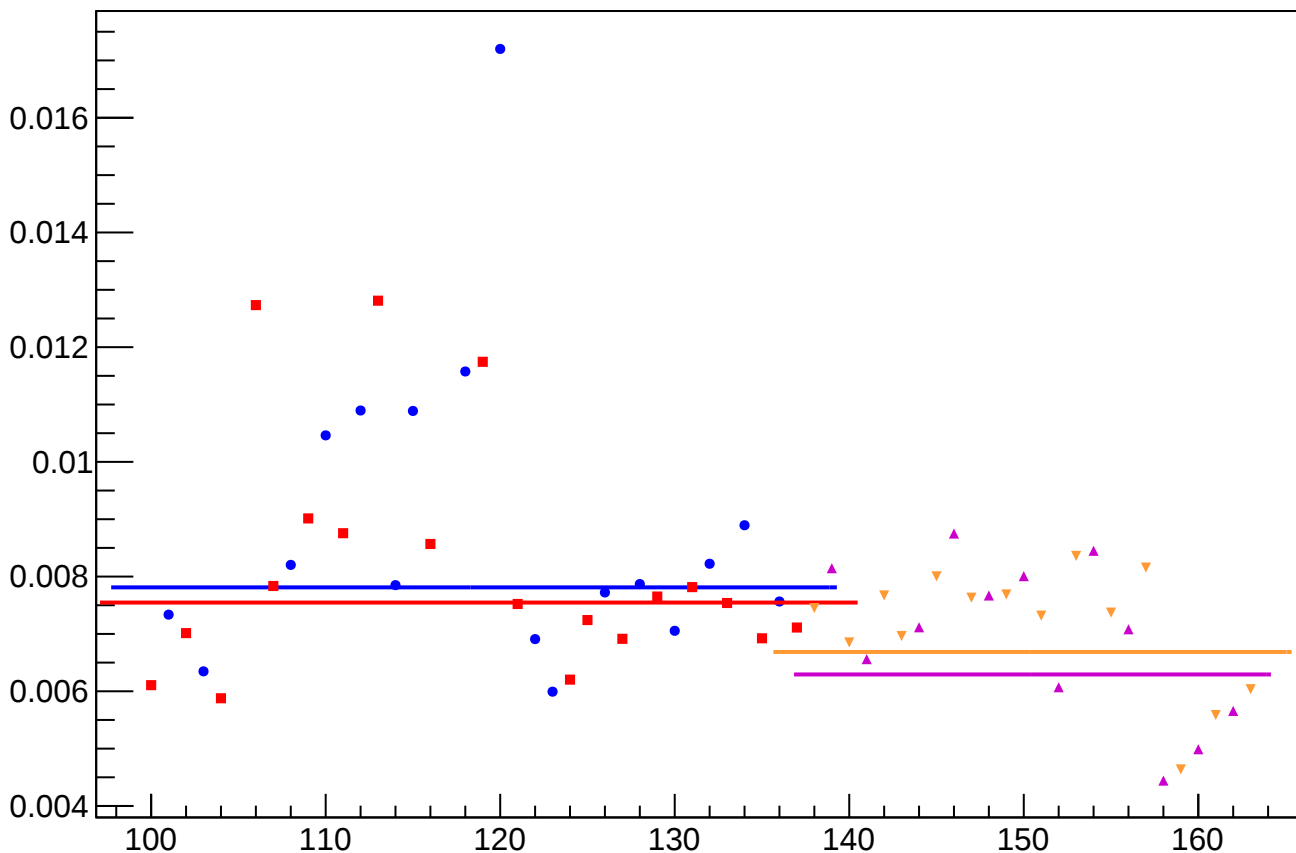
Right: 0.623+/-0.000 χ^2/NDF : 11758668415.9/35

In: 1.006+/-0.000 χ^2/NDF : 71775945980.1/28

Out: 0.977+/-0.000 χ^2/NDF : 81487005515.8/32

All: 0.991+/-0.000 χ^2/NDF : 153401927526.2

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 466827.3/16

Left Out: 0.007+/-0.000 χ^2/NDF : 615314.0/13

Right Out: 0.008+/-0.000 χ^2/NDF : 441823.4/18

Left In: 0.006+/-0.000 χ^2/NDF : 836313.3/11

Left: 0.006+/-0.000 χ^2/NDF : 1484230.8/25

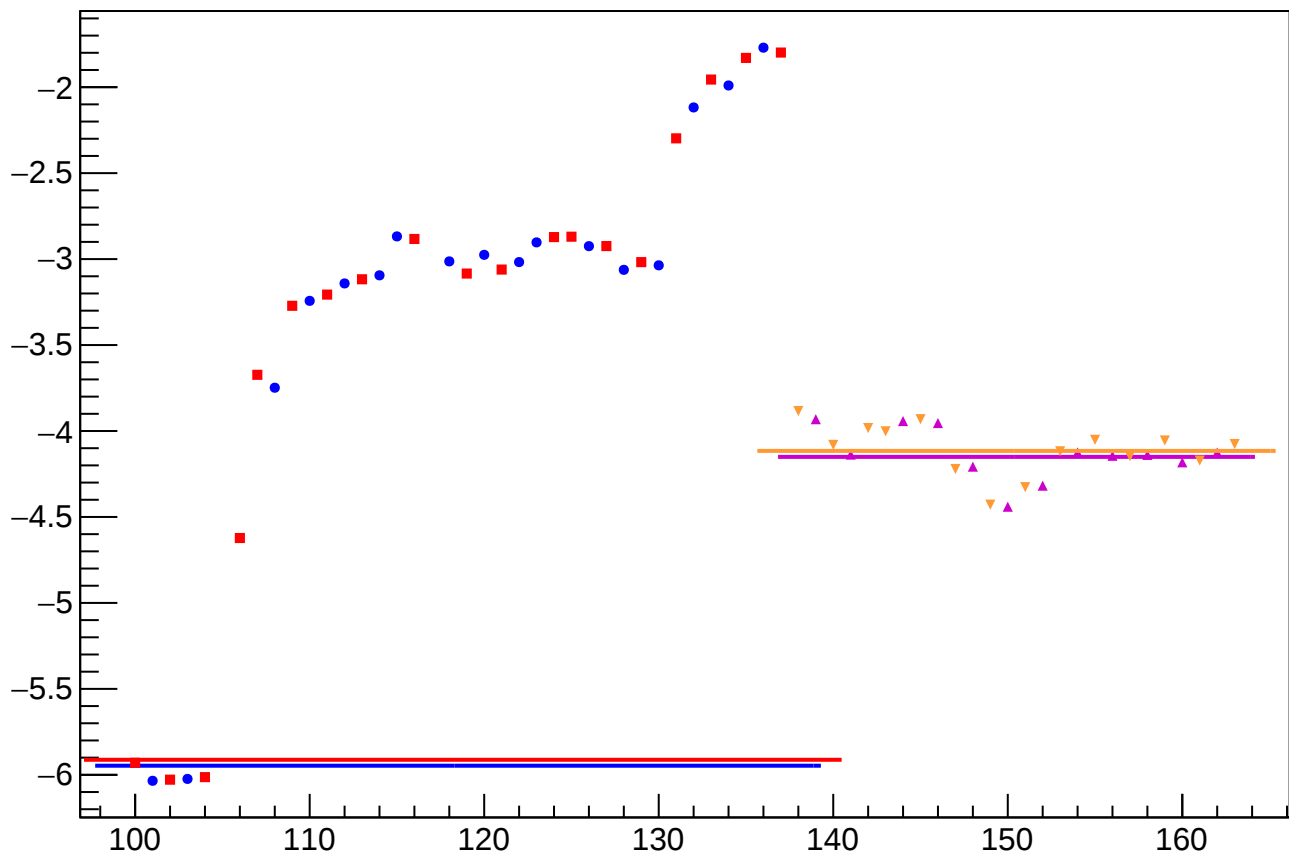
Right: 0.008+/-0.000 χ^2/NDF : 915777.7/35

In: 0.007+/-0.000 χ^2/NDF : 1608729.5/28

Out: 0.007+/-0.000 χ^2/NDF : 1162880.6/32

All: 0.007+/-0.000 χ^2/NDF : 2787621.3/61

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.116+/-0.000 χ^2/NDF : 29815838.4/13

Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

Left In: -4.151+/-0.000 χ^2/NDF : 21099057.9/11

Left: -4.137+/-0.000 χ^2/NDF : 51738262.7/25

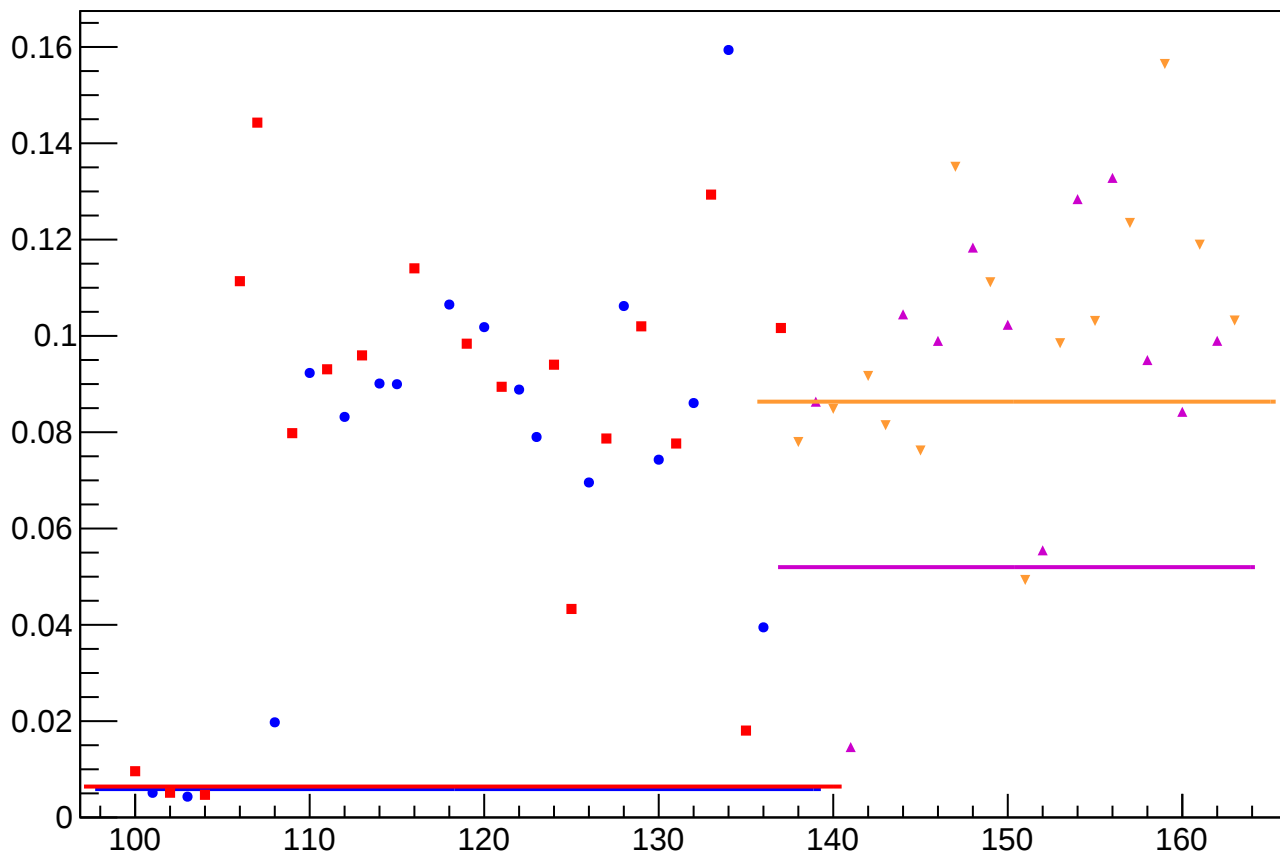
Right: -5.932+/-0.000 χ^2/NDF : 27811040884.1/35

In: -5.884+/-0.000 χ^2/NDF : 18544113953.4/28

Out: -5.861+/-0.000 χ^2/NDF : 18169819411.5/32

All: -5.874+/-0.000 χ^2/NDF : 36725341408.2/66

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.086+/-0.000 χ^2/NDF :1527653.5/13

Right Out: 0.006+/-0.000 χ^2/NDF : 8498586.9/18

Left In: 0.052+/-0.000 χ^2/NDF :5872295.1/11

Left: 0.066+/-0.000 χ^2/NDF : 9004383.0/25

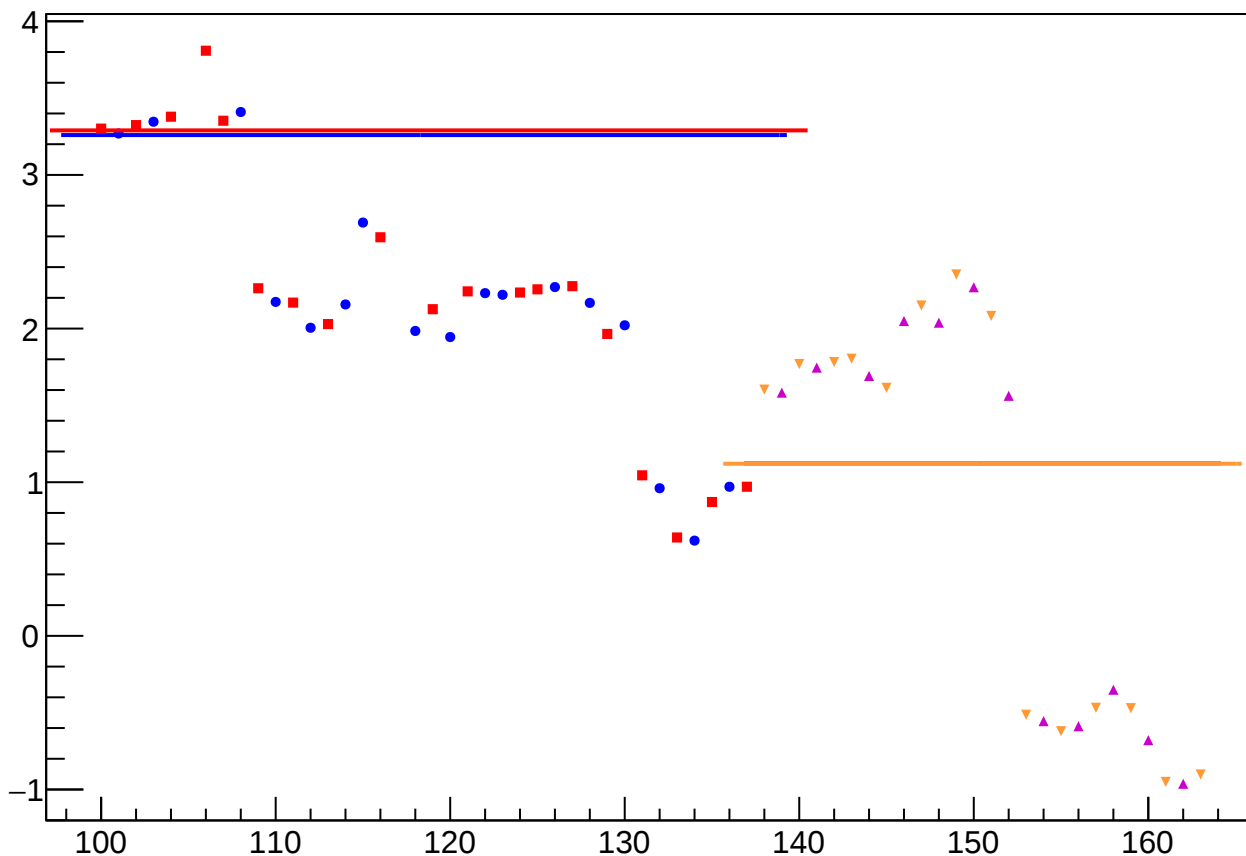
Right: 0.006+/-0.000 χ^2/NDF : 16444798.1/35

In: 0.008+/-0.000 χ^2/NDF :20860173.9/28

Out: 0.009+/-0.000 χ^2/NDF :23959337.6/32

All: 0.008+/-0.000 χ^2/NDF : 44881757.7/61

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.120+/-0.000 χ^2/NDF : 1472529191.3/13

Right Out: 3.290+/-0.000 χ^2/NDF : 3262231575.5/18

Left In: 1.122+/-0.000 χ^2/NDF : 1318016089.0/11

Left: 1.121+/-0.000 χ^2/NDF : 2790547284.5/25

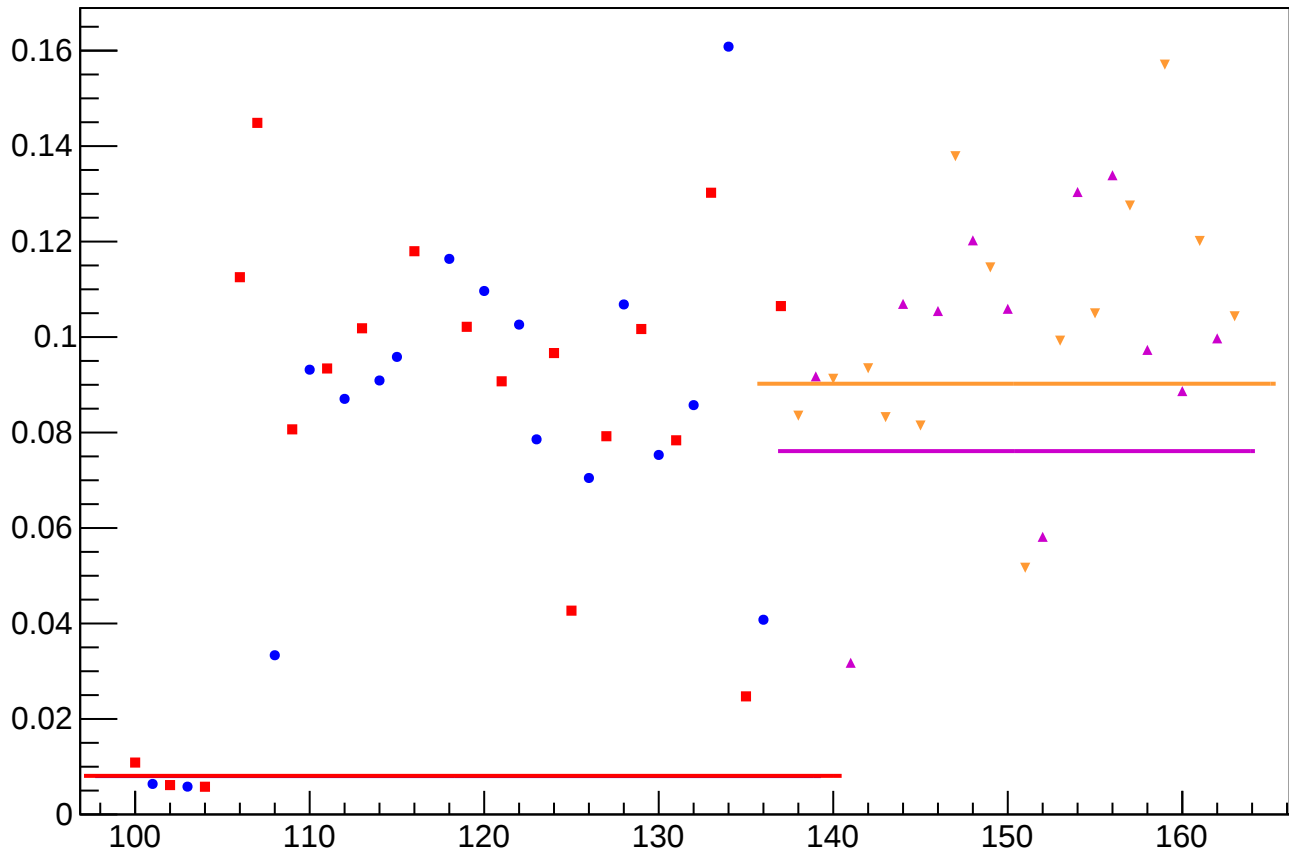
Right: 3.274+/-0.000 χ^2/NDF : 6196998308.4/35

In: 3.180+/-0.000 χ^2/NDF : 9135306610.6/28

Out: 3.208+/-0.000 χ^2/NDF : 9435208474.7/32

All: 3.193+/-0.000 χ^2/NDF : 18581987758.1/6

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.090 $\pm$ 0.000 χ^2 /NDF:1391987.5/13

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:2613101.2/11

Left: 0.083 $\pm$ 0.000 χ^2 /NDF: 4219069.3/25

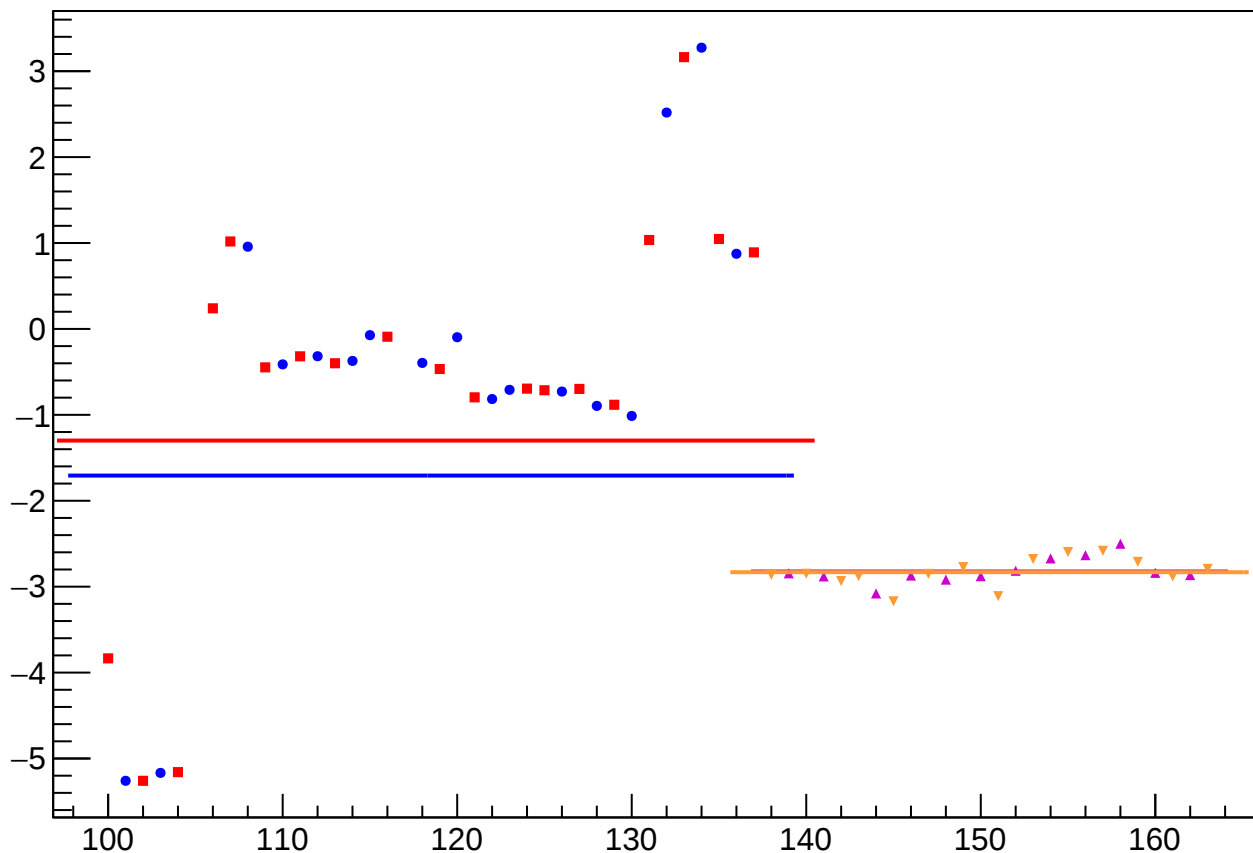
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 16051528.4/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:20287671.2/28

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:23176298.9/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 43474500.0/61

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.832+/-0.000 χ^2/NDF : 4357391785.9/13

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

Left In: -2.823+/-0.000 χ^2/NDF : 3223200211.0/11

Left: -2.828+/-0.000 χ^2/NDF : 7586141563.3/25

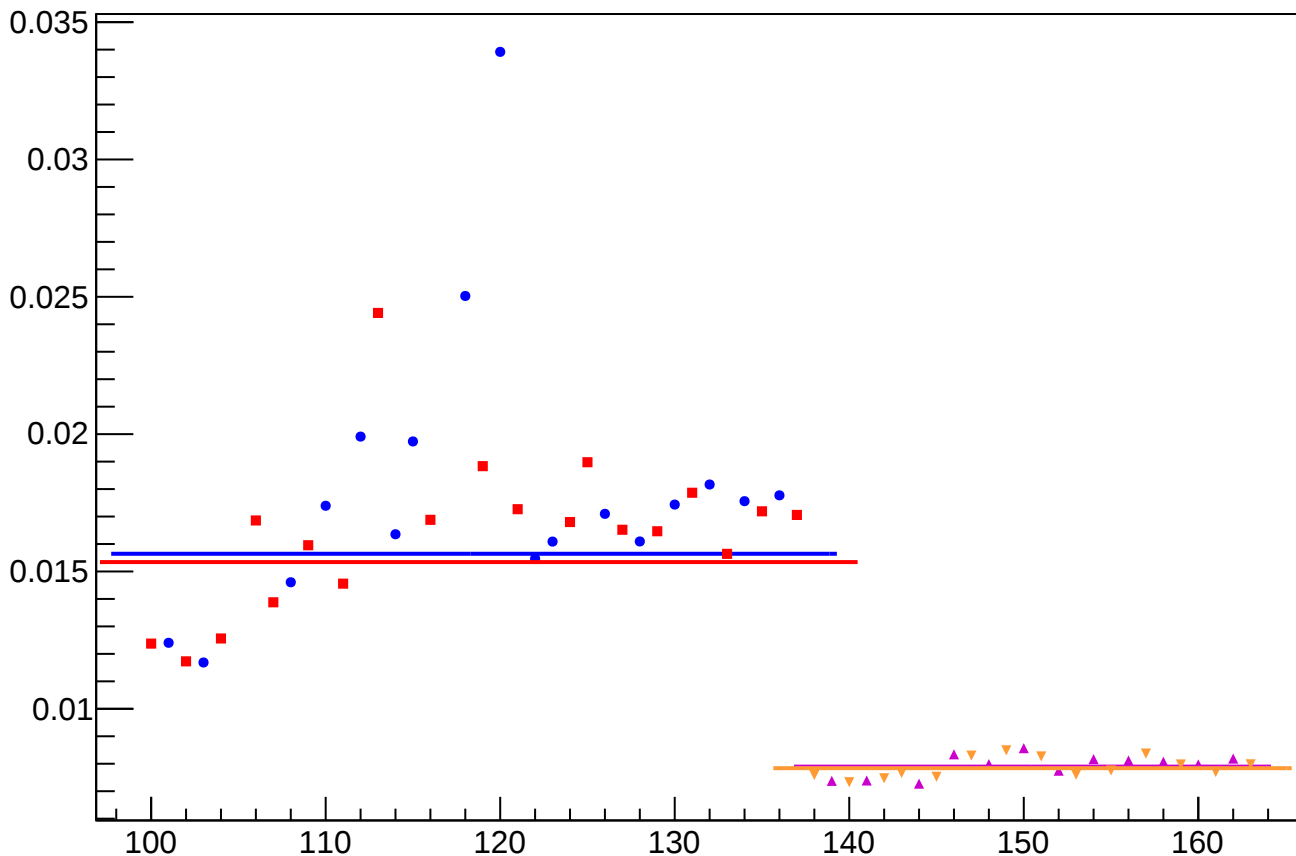
Right: -1.489+/-0.000 χ^2/NDF : 346196986988.8/35

In: -2.674+/-0.000 χ^2/NDF : 194077178419.9/28

Out: -2.618+/-0.000 χ^2/NDF : 235612197760.0/32

All: -2.645+/-0.000 χ^2/NDF : 429970253790.1

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.008+/-0.000 χ^2/NDF : 40517.8/13

Right Out: 0.015+/-0.000 χ^2/NDF : 353806.7/18

Left In: 0.008+/-0.000 χ^2/NDF : 47340.8/11

Left: 0.008+/-0.000 χ^2/NDF : 88377.5/25

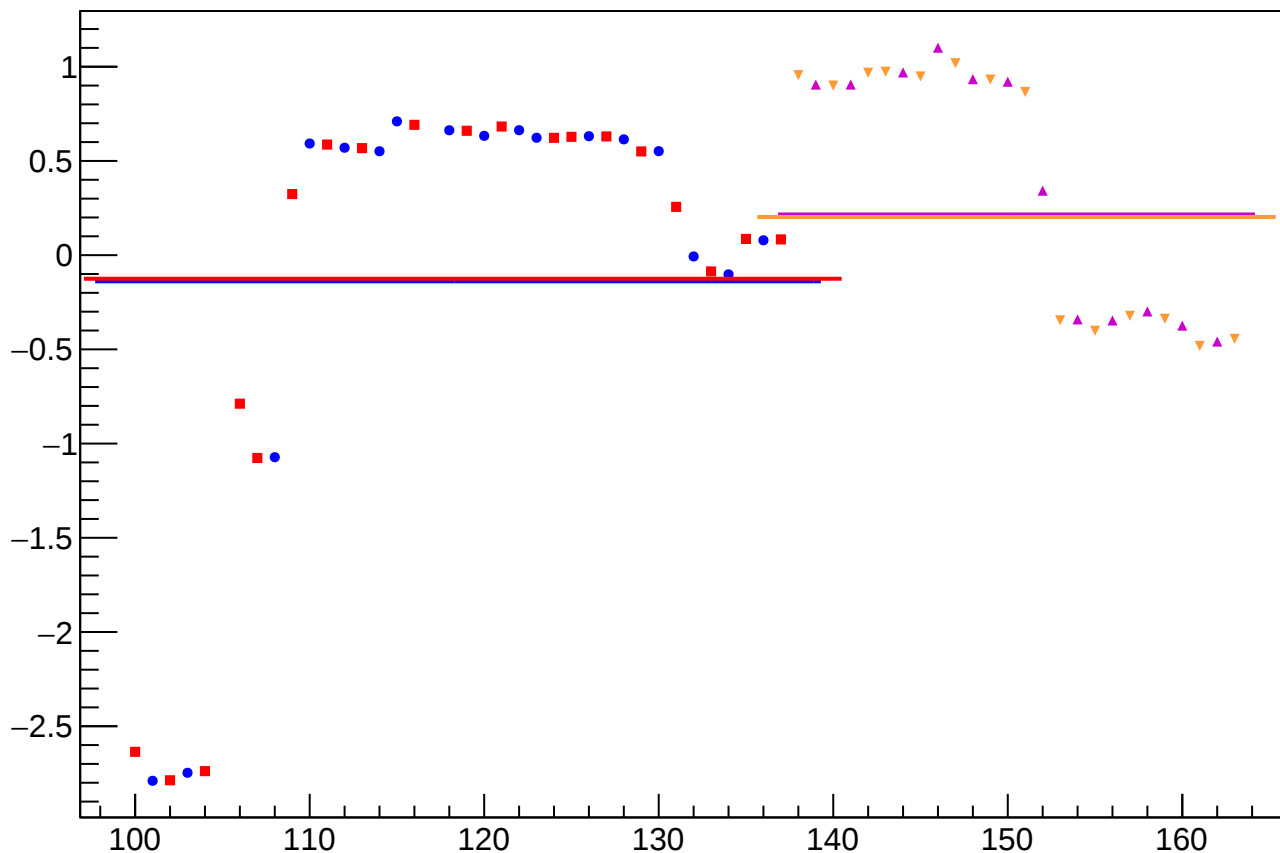
Right: 0.015+/-0.000 χ^2/NDF : 934296.8/35

In: 0.009+/-0.000 χ^2/NDF : 3008629.9/28

Out: 0.009+/-0.000 χ^2/NDF : 2946767.1/32

All: 0.009+/-0.000 χ^2/NDF : 5955802.7/61

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.000

χ^2/NDF : 715049983856.2/16

Left: 0.209+/-0.000 χ^2/NDF : 191867958803.8/25

Right: -0.132+/-0.000 χ^2/NDF : 1476596319761.2/3

Left Out: 0.203+/-0.000

χ^2/NDF : 106071431668.7/13

In: -0.031+/-0.000 χ^2/NDF : 820442895078.6/28

Right Out: -0.125+/-0.000

χ^2/NDF : 761496762534.7/18

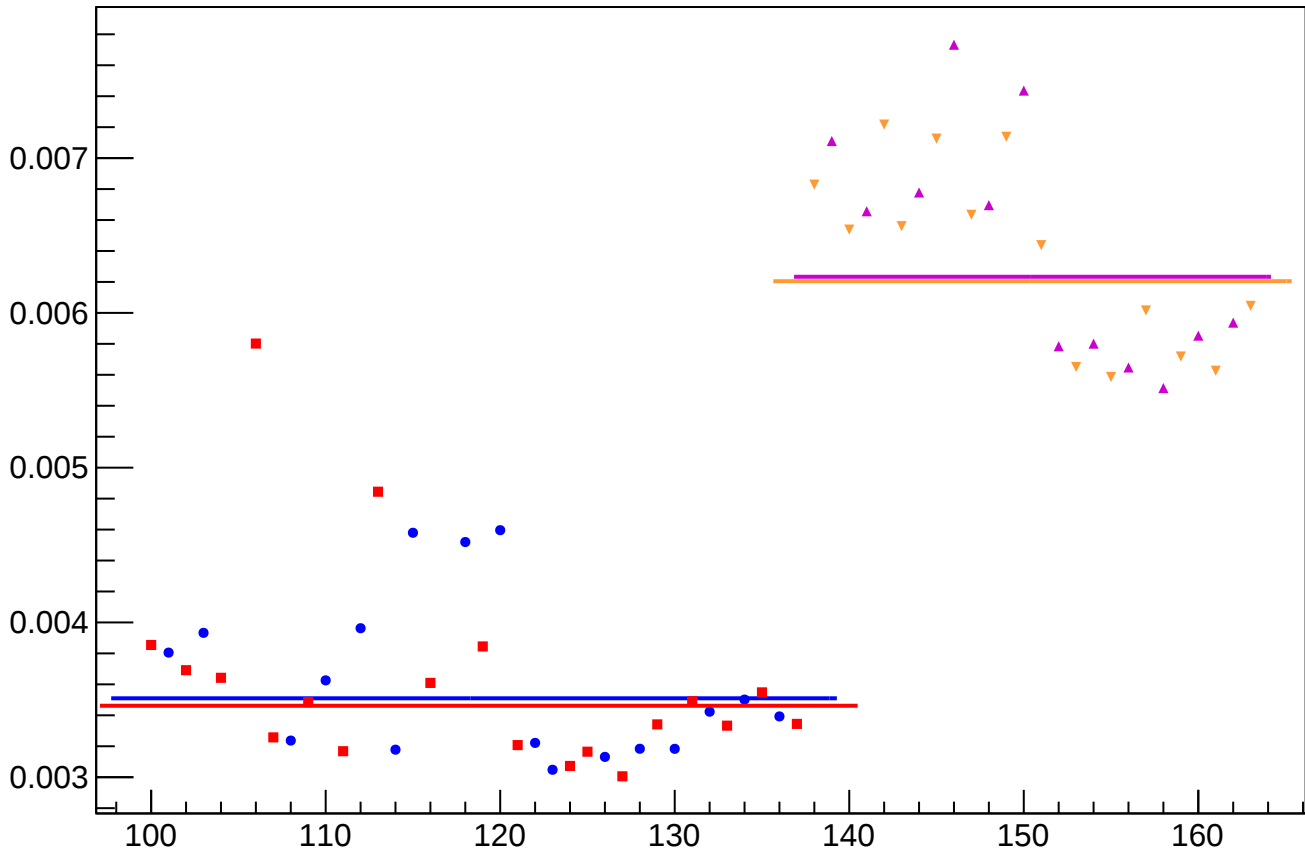
Out: -0.027+/-0.000 χ^2/NDF : 885679278107.9/32

Left In: 0.216+/-0.000

χ^2/NDF : 85775989804.9/11

All: -0.029+/-0.000 χ^2/NDF : 1706129096734

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.006+/-0.000 χ^2/NDF :147325.4/13

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

Left In: 0.006+/-0.000 χ^2/NDF :198802.6/11

Left: 0.006+/-0.000 χ^2/NDF : 346317.9/25

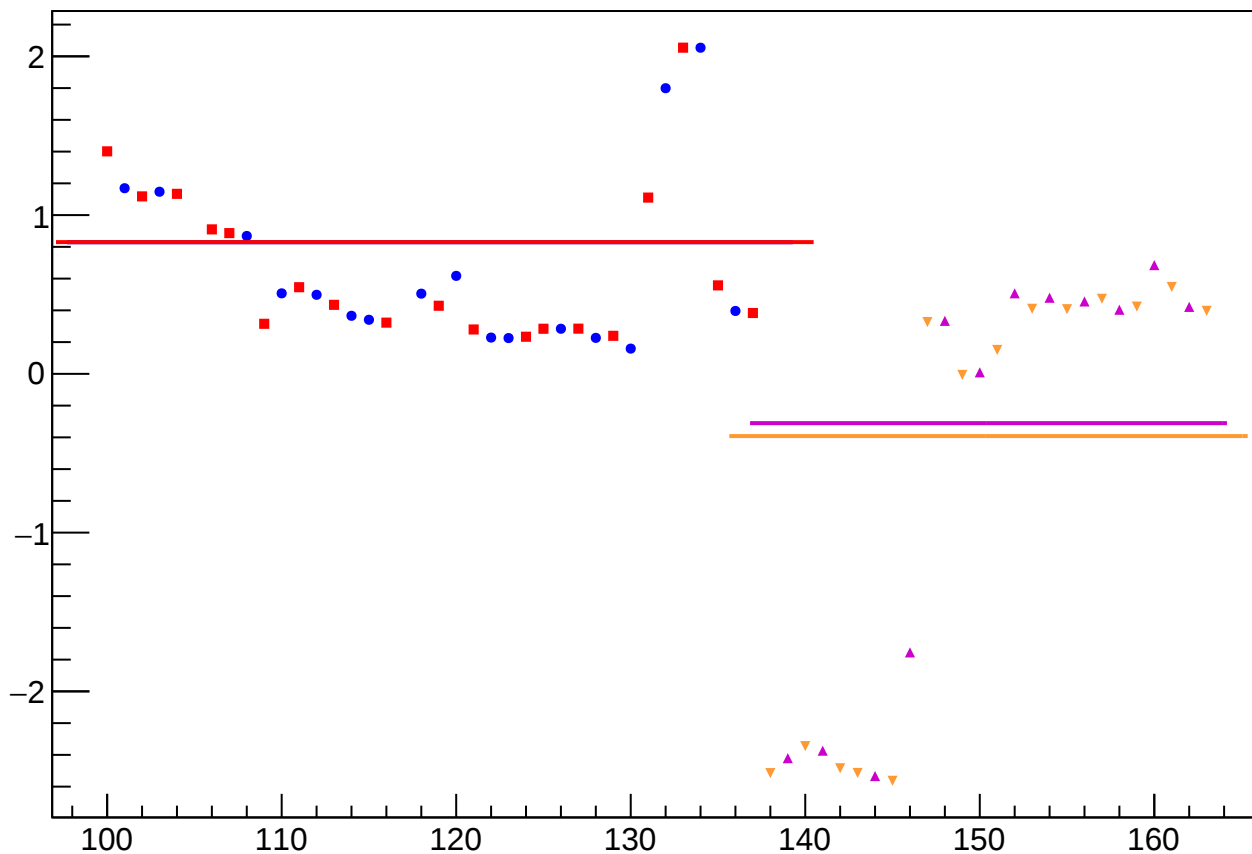
Right: 0.003+/-0.000 χ^2/NDF : 388552.5/35

In: 0.004+/-0.000 χ^2/NDF :2683473.1/28

Out: 0.004+/-0.000 χ^2/NDF :2900096.7/32

All: 0.004+/-0.000 χ^2/NDF : 5585646.2/61

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -0.392+/-0.000 χ^2/NDF : 434943724500.4/13

Right Out: 0.830+/-0.000 χ^2/NDF : 33335665437.8/18

Left In: -0.310+/-0.000 χ^2/NDF : 371781651722.2/11

Left: -0.353+/-0.000 χ^2/NDF : 807603414854.7/25

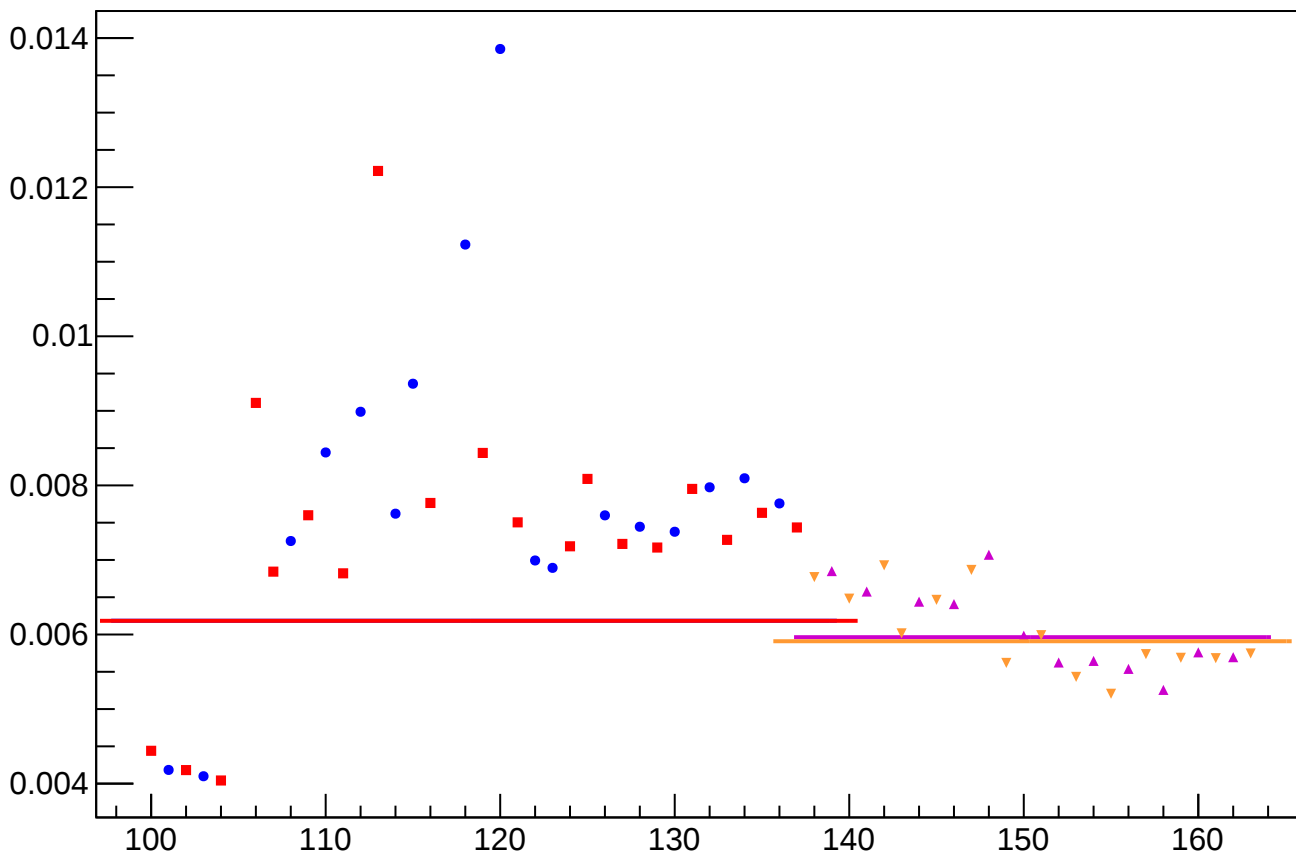
Right: 0.829+/-0.000 χ^2/NDF : 65054312510.0/35

In: 0.094+/-0.000 χ^2/NDF : 519935191136.6/28

Out: 0.041+/-0.000 χ^2/NDF : 614619335250.6/32

All: 0.066+/-0.000 χ^2/NDF : 1135112886969.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :138955.0/13

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

Left In: 0.006+/-0.000 χ^2/NDF :140068.9/11

Left: 0.006+/-0.000 χ^2/NDF : 279801.8/25

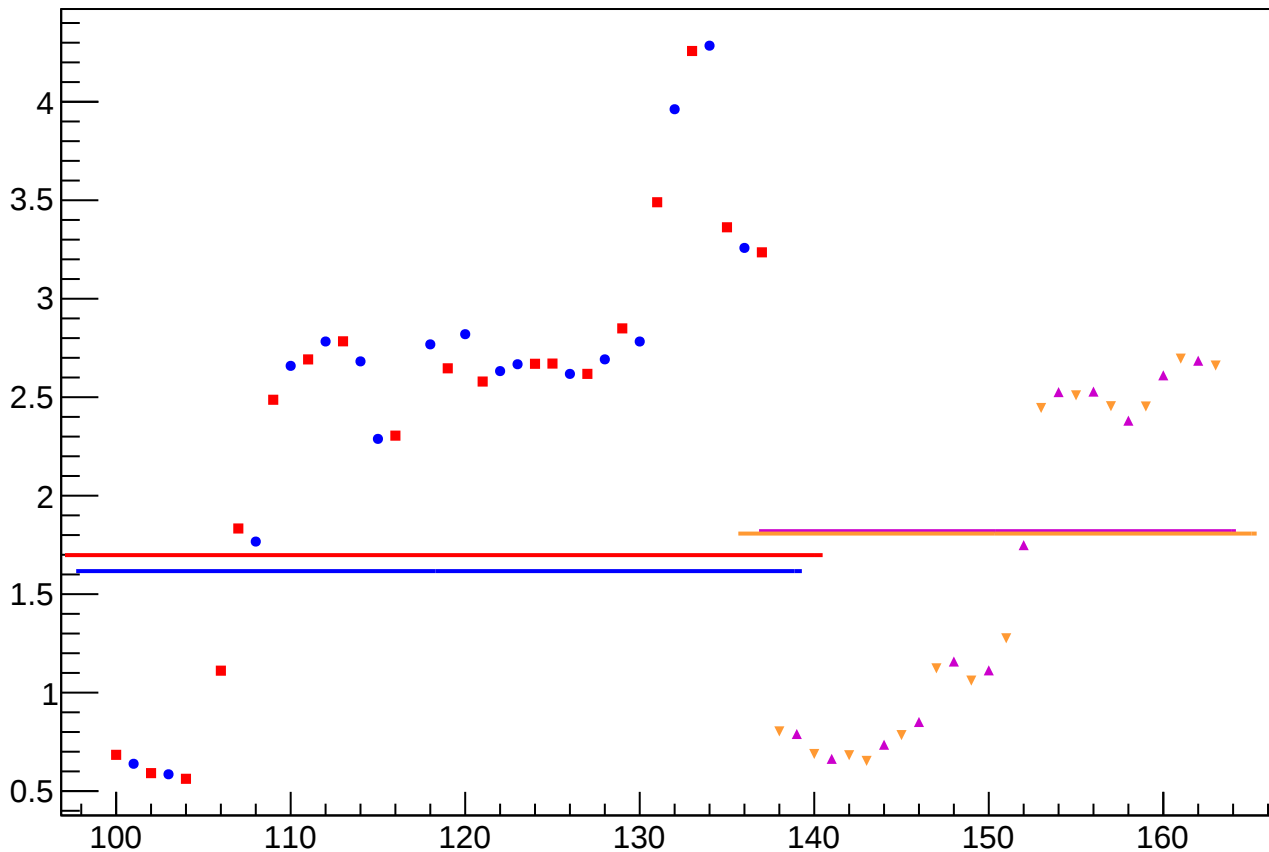
Right: 0.006+/-0.000 χ^2/NDF : 2255798.5/35

In: 0.006+/-0.000 χ^2/NDF :1377769.5/28

Out: 0.006+/-0.000 χ^2/NDF :1180491.0/32

All: 0.006+/-0.000 χ^2/NDF : 2558773.9/61

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.617 $\pm$ 0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.808 $\pm$ 0.000 χ^2/NDF : 206844997413.7/13

Right Out: 1.698 $\pm$ 0.000 χ^2/NDF : 227408345801.7/18

Left In: 1.820 $\pm$ 0.000 χ^2/NDF : 173690349648.8/11

Left: 1.813 $\pm$ 0.000 χ^2/NDF : 380556921259.3/25

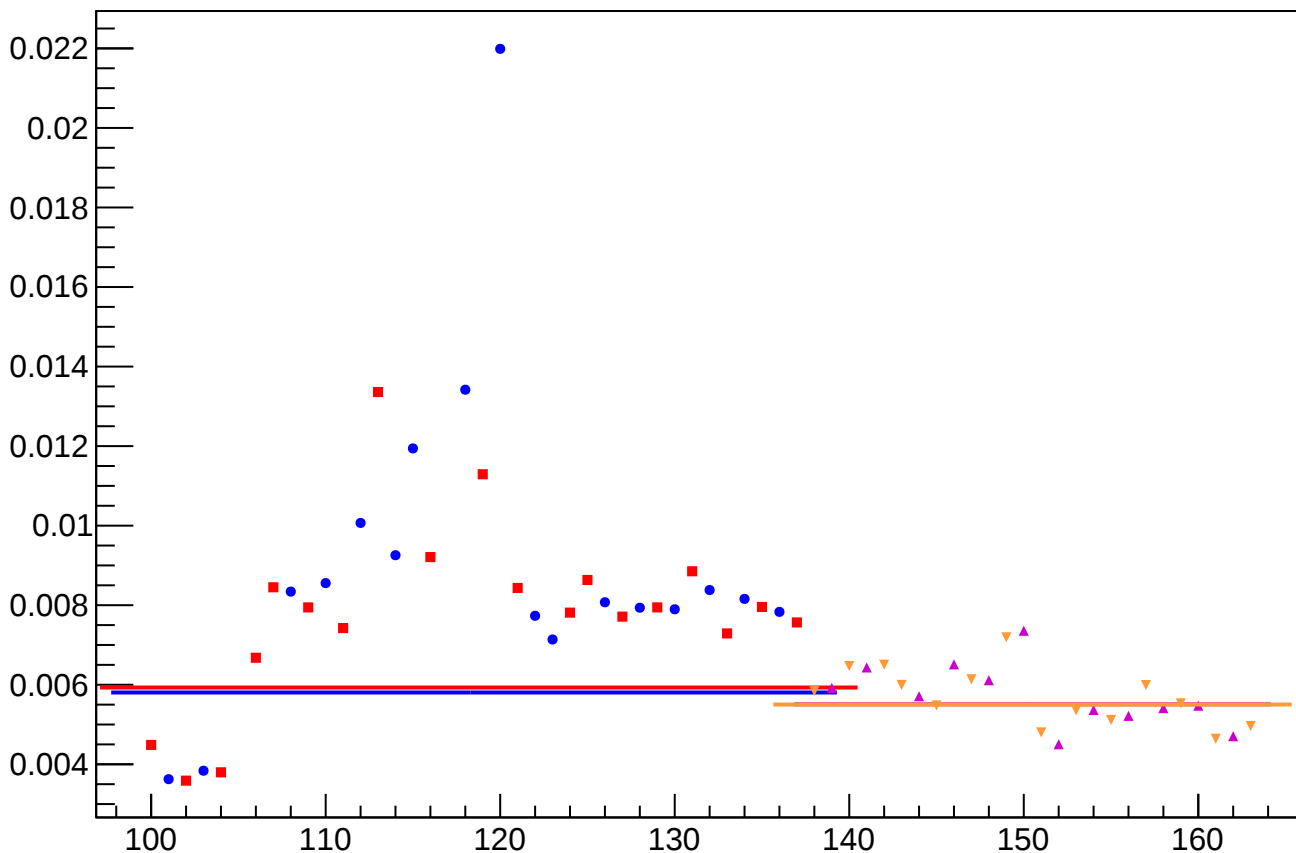
Right: 1.659 $\pm$ 0.000 χ^2/NDF : 430781224378.3/35

In: 1.751 $\pm$ 0.000 χ^2/NDF : 380472509653.9/28

Out: 1.771 $\pm$ 0.000 χ^2/NDF : 435461445439.7/32

All: 1.761 $\pm$ 0.000 χ^2/NDF : 816017041793.6

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.006+/-0.000 χ^2/NDF :260576.5/13

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

Left In: 0.006+/-0.000 χ^2/NDF :297348.0/11

Left: 0.006+/-0.000 χ^2/NDF : 557932.6/25

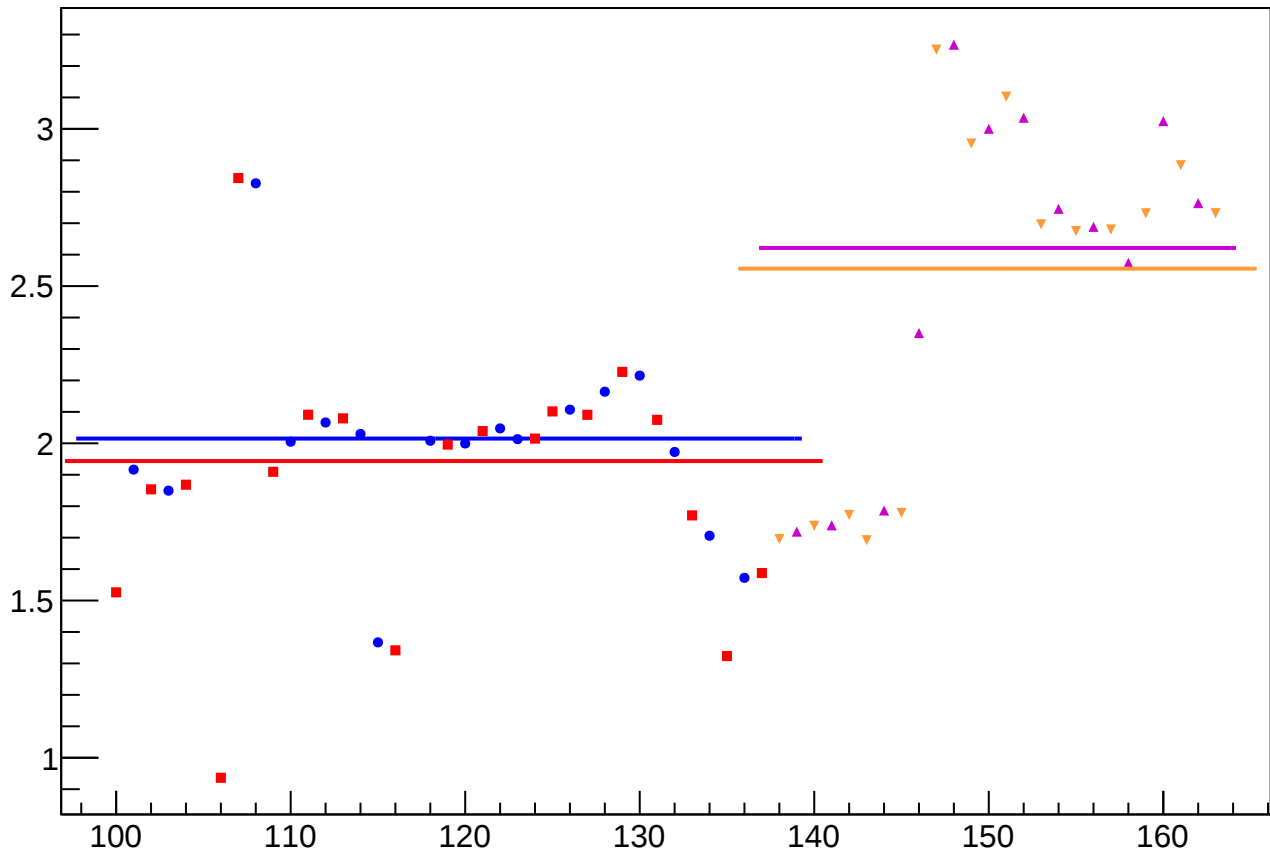
Right: 0.006+/-0.000 χ^2/NDF : 3605853.8/35

In: 0.006+/-0.000 χ^2/NDF :2232053.6/28

Out: 0.006+/-0.000 χ^2/NDF :1982966.9/32

All: 0.006+/-0.000 χ^2/NDF : 4215662.2/61

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.556+/-0.000 χ^2/NDF : 48004794453.6/13

Right Out: 1.944+/-0.000 χ^2/NDF : 21427099579.0/18

Left In: 2.621+/-0.000 χ^2/NDF : 40474635413.9/11

Left: 2.587+/-0.000 χ^2/NDF : 88844999702.0/25

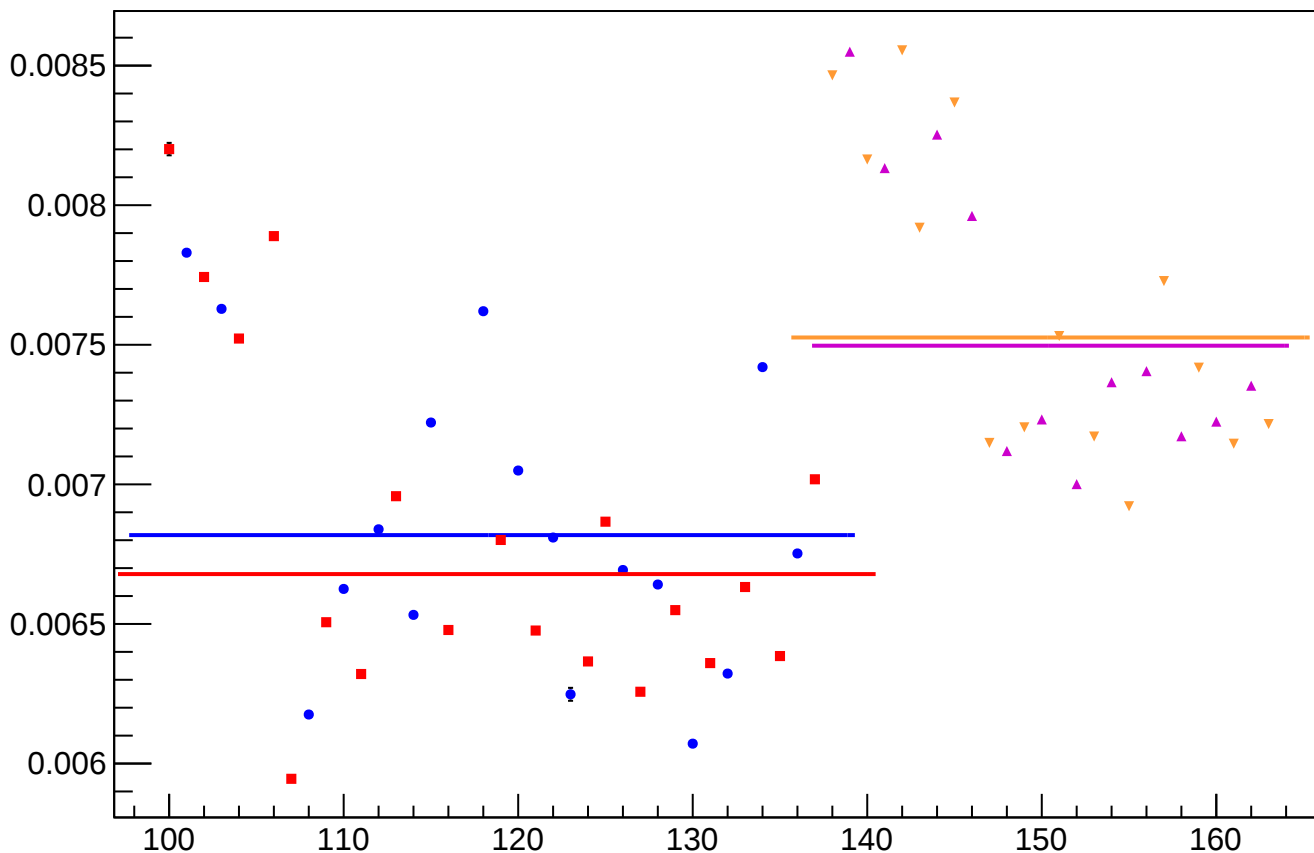
Right: 1.977+/-0.000 χ^2/NDF : 34023853436.2/35

In: 2.346+/-0.000 χ^2/NDF : 80144971827.6/28

Out: 2.271+/-0.000 χ^2/NDF : 99881172194.2/32

All: 2.307+/-0.000 χ^2/NDF : 180916607728.0

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 75813.9/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 86122.1/13

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 75718.4/18

Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 69807.4/11

Left: 0.008 $\pm$ 0.000 χ^2/NDF : 156076.0/25

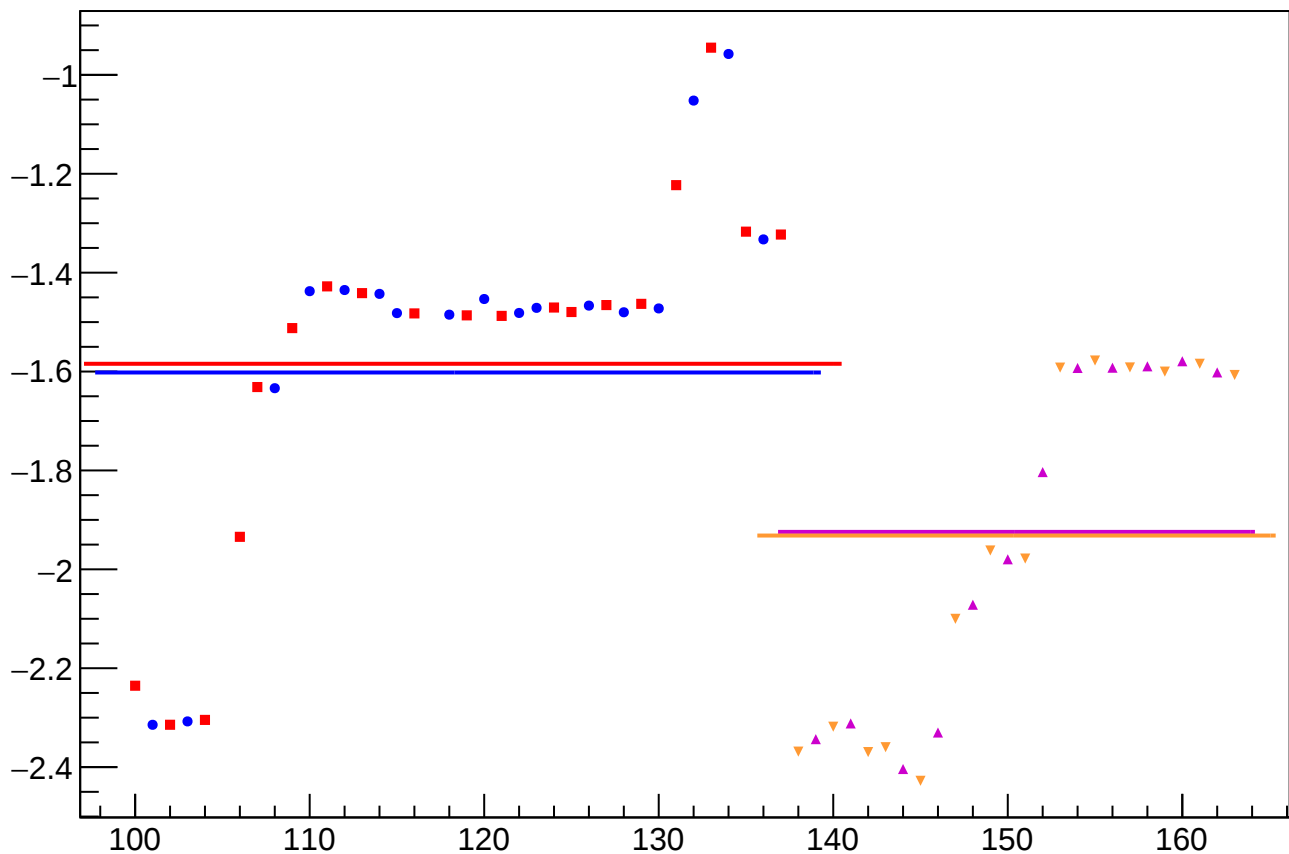
Right: 0.007 $\pm$ 0.000 χ^2/NDF : 154341.2/35

In: 0.007 $\pm$ 0.000 χ^2/NDF : 214357.6/28

Out: 0.007 $\pm$ 0.000 χ^2/NDF : 278607.9/32

All: 0.007 $\pm$ 0.000 χ^2/NDF : 493987.5/61

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.932+/-0.000 χ^2/NDF : 137930011507.7/13

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

Left In: -1.924+/-0.000 χ^2/NDF : 120630136534.8/11

Left: -1.928+/-0.000 χ^2/NDF : 258590844367.8/25

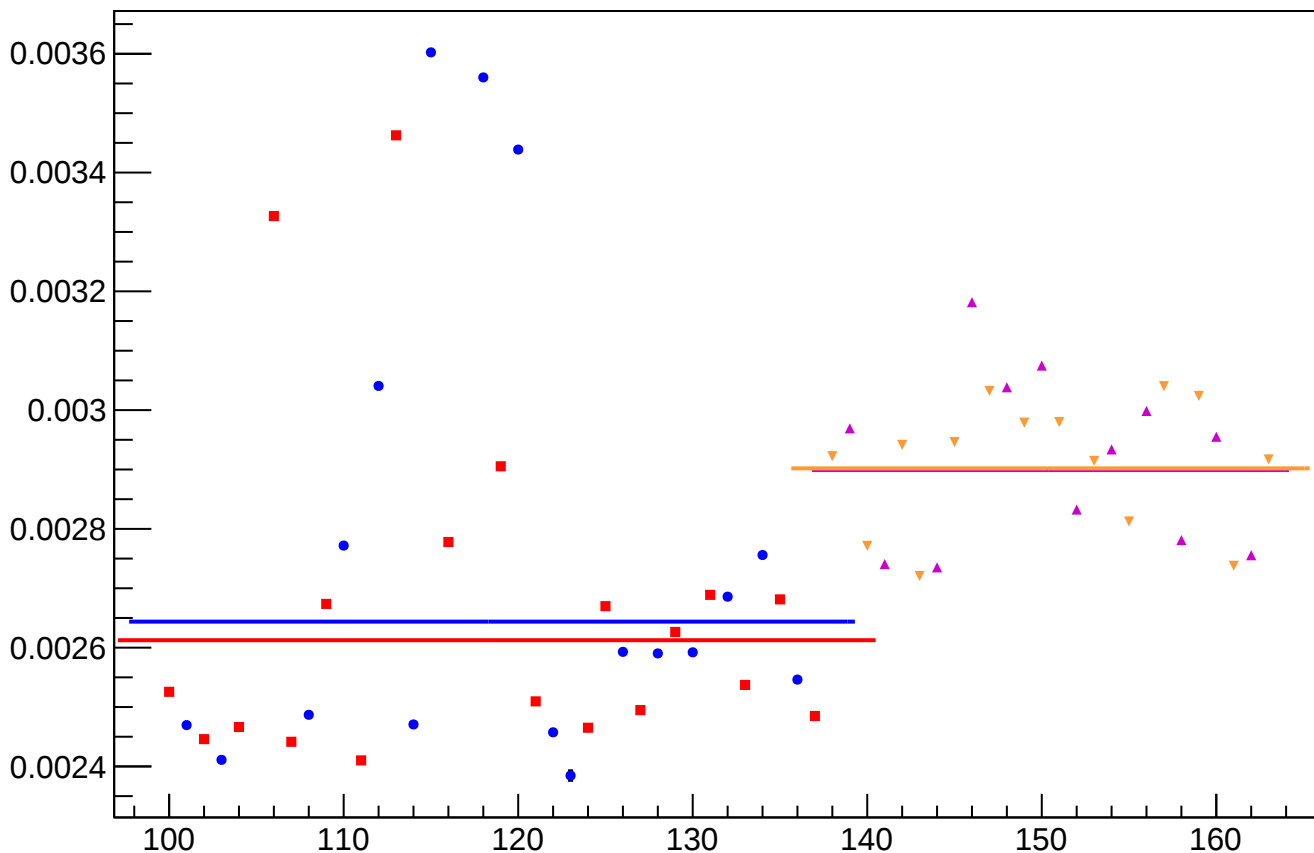
Right: -1.593+/-0.000 χ^2/NDF : 283924451158.7/35

In: -1.779+/-0.000 χ^2/NDF : 312053353521.8/28

Out: -1.773+/-0.000 χ^2/NDF : 345671291273.1/32

All: -1.776+/-0.000 χ^2/NDF : 657756808166.6

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 151383.5/16

Left Out: 0.003+/-0.000 χ^2/NDF :26646.1/13

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

Left In: 0.003+/-0.000 χ^2/NDF :41716.9/11

Left: 0.003+/-0.000 χ^2/NDF : 68372.2/25

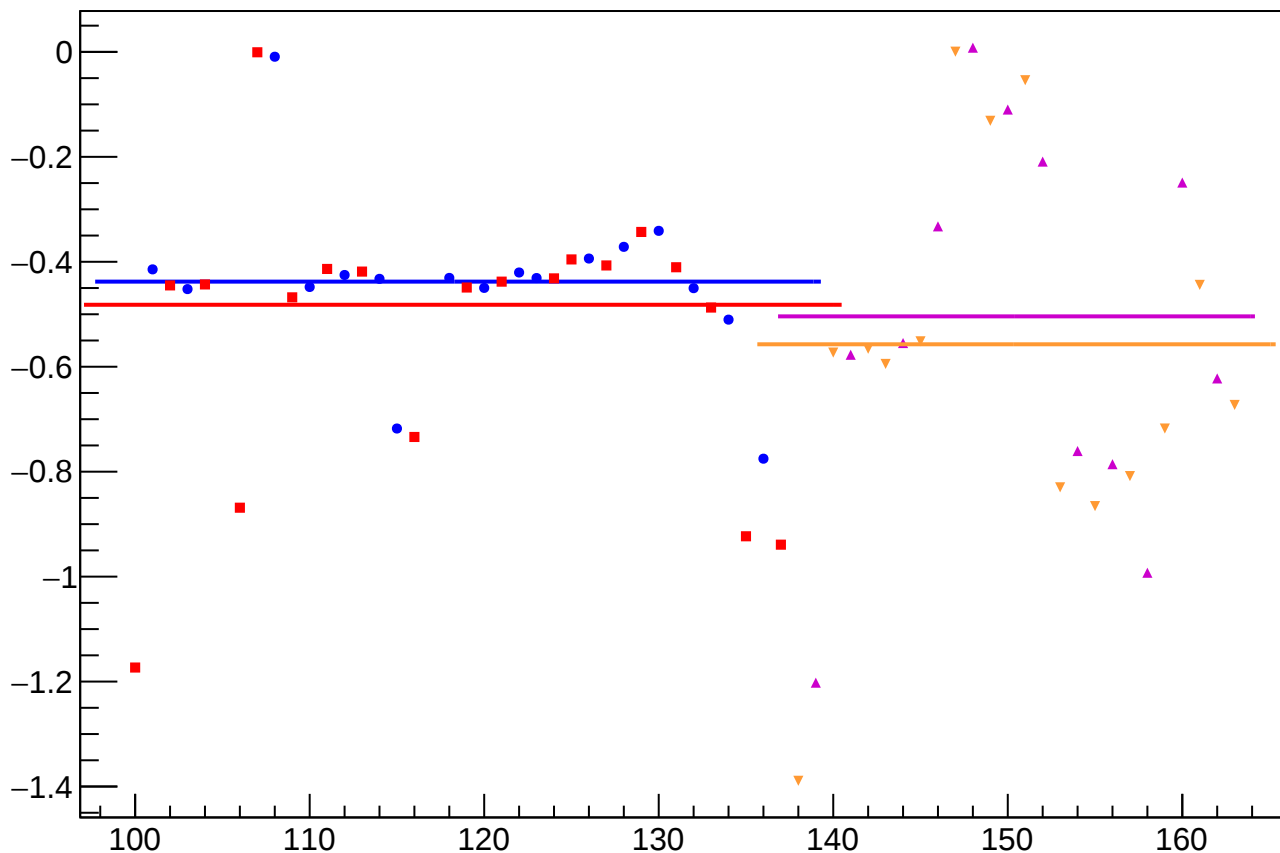
Right: 0.003+/-0.000 χ^2/NDF : 257596.7/35

In: 0.003+/-0.000 χ^2/NDF :257293.0/28

Out: 0.003+/-0.000 χ^2/NDF :220975.0/32

All: 0.003+/-0.000 χ^2/NDF : 478670.2/61

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.557+/-0.000 χ^2/NDF : 7582641295.2/13

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

Left In: -0.504+/-0.000 χ^2/NDF : 6934708345.1/11

Left: -0.531+/-0.000 χ^2/NDF : 14602148995.3/25

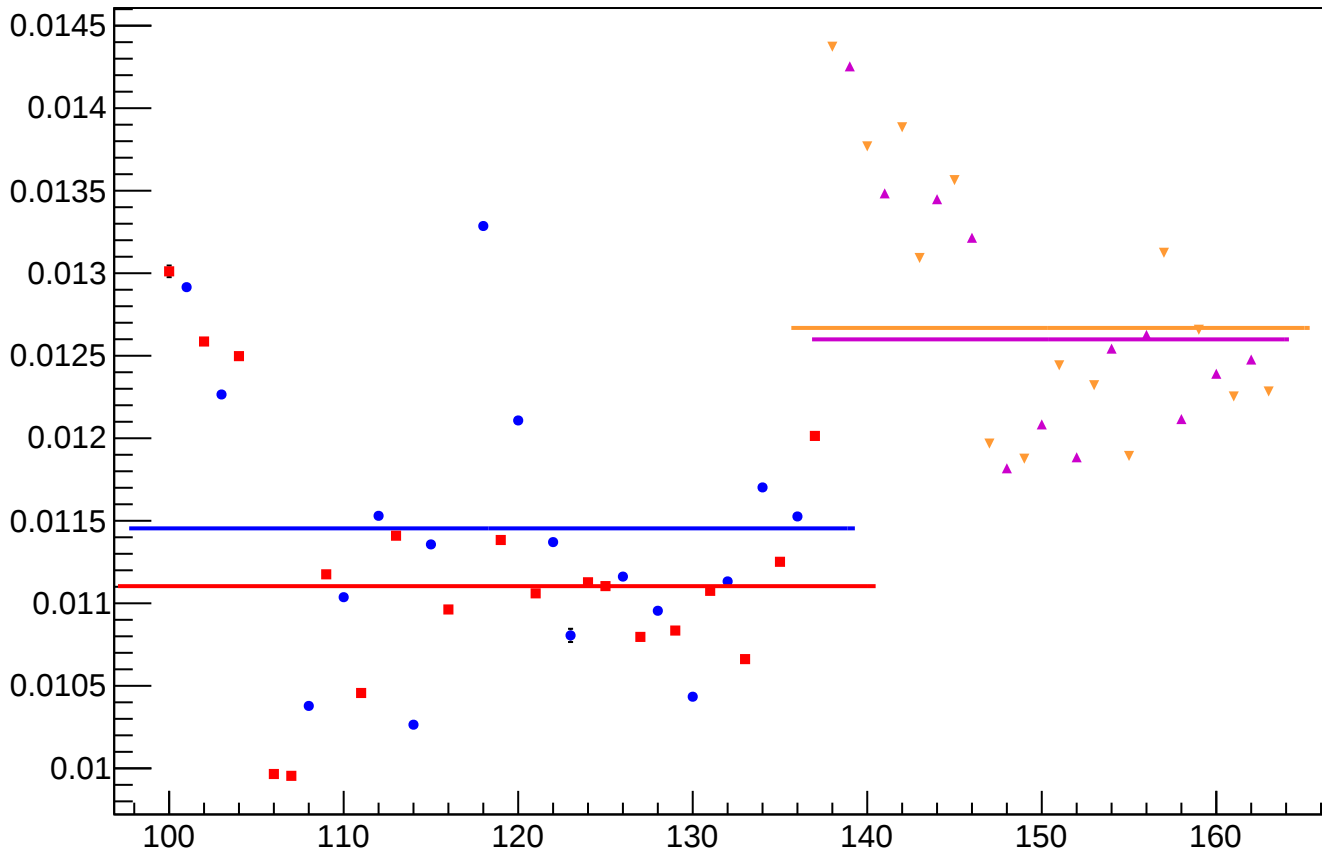
Right: -0.461+/-0.000 χ^2/NDF : 4208237576.2/35

In: -0.474+/-0.000 χ^2/NDF : 8514068449.8/28

Out: -0.521+/-0.000 χ^2/NDF : 10444452066.5/32

All: -0.499+/-0.000 χ^2/NDF : 19086932565.0/...

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 64687.8/16

Left Out: 0.013+/-0.000 χ^2/NDF : 67191.9/13

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

Left In: 0.013+/-0.000 χ^2/NDF : 52761.3/11

Left: 0.013+/-0.000 χ^2/NDF : 120241.2/25

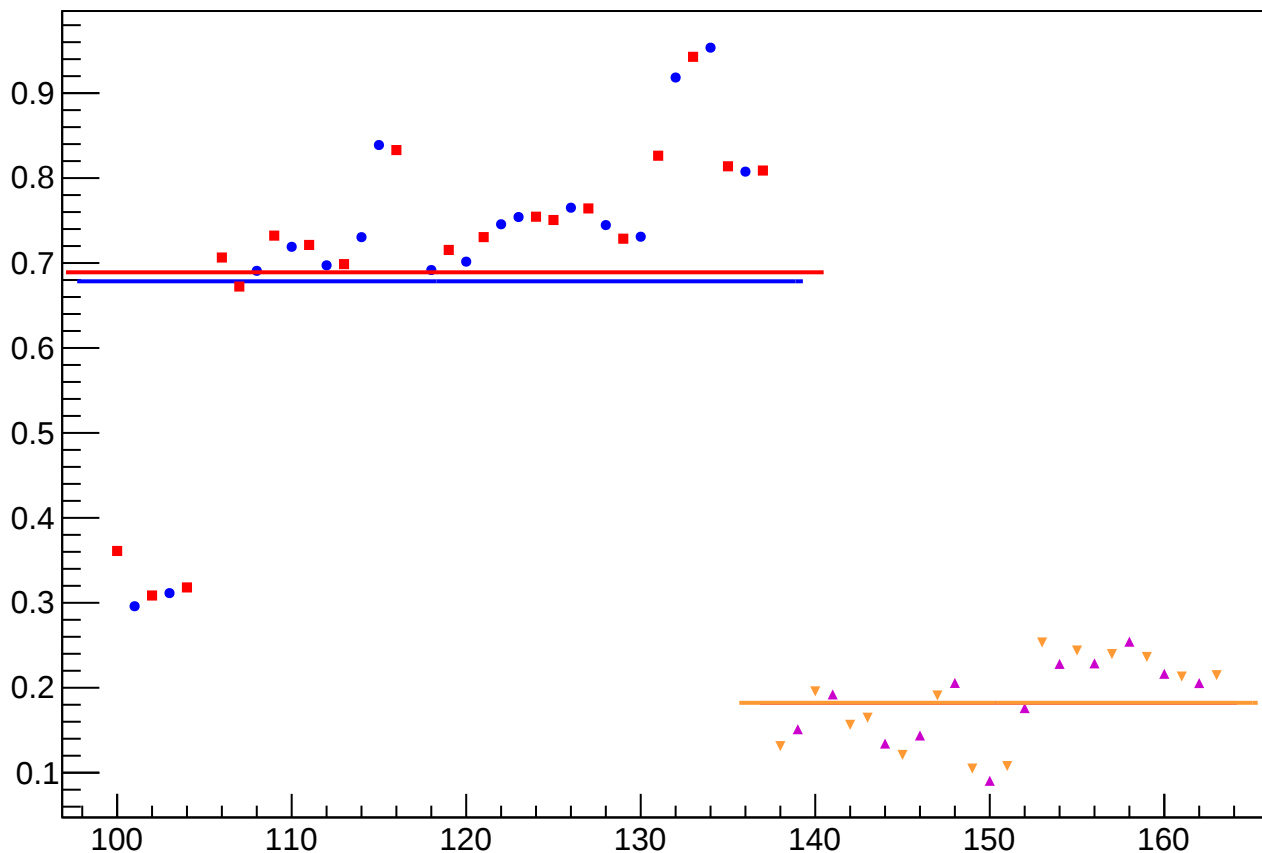
Right: 0.011+/-0.000 χ^2/NDF : 127177.8/35

In: 0.012+/-0.000 χ^2/NDF : 187378.7/28

Out: 0.012+/-0.000 χ^2/NDF : 267558.9/32

All: 0.012+/-0.000 χ^2/NDF : 457450.0/61

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.678+/-0.000 χ^2/NDF : 38506442638.3/16

Left Out: 0.182+/-0.000 χ^2/NDF : 5315386582.0/13

Right Out: 0.689+/-0.000 χ^2/NDF : 35358596931.1/18

Left In: 0.182+/-0.000 χ^2/NDF : 4093841863.3/11

Left: 0.182+/-0.000 χ^2/NDF : 9409256677.5/25

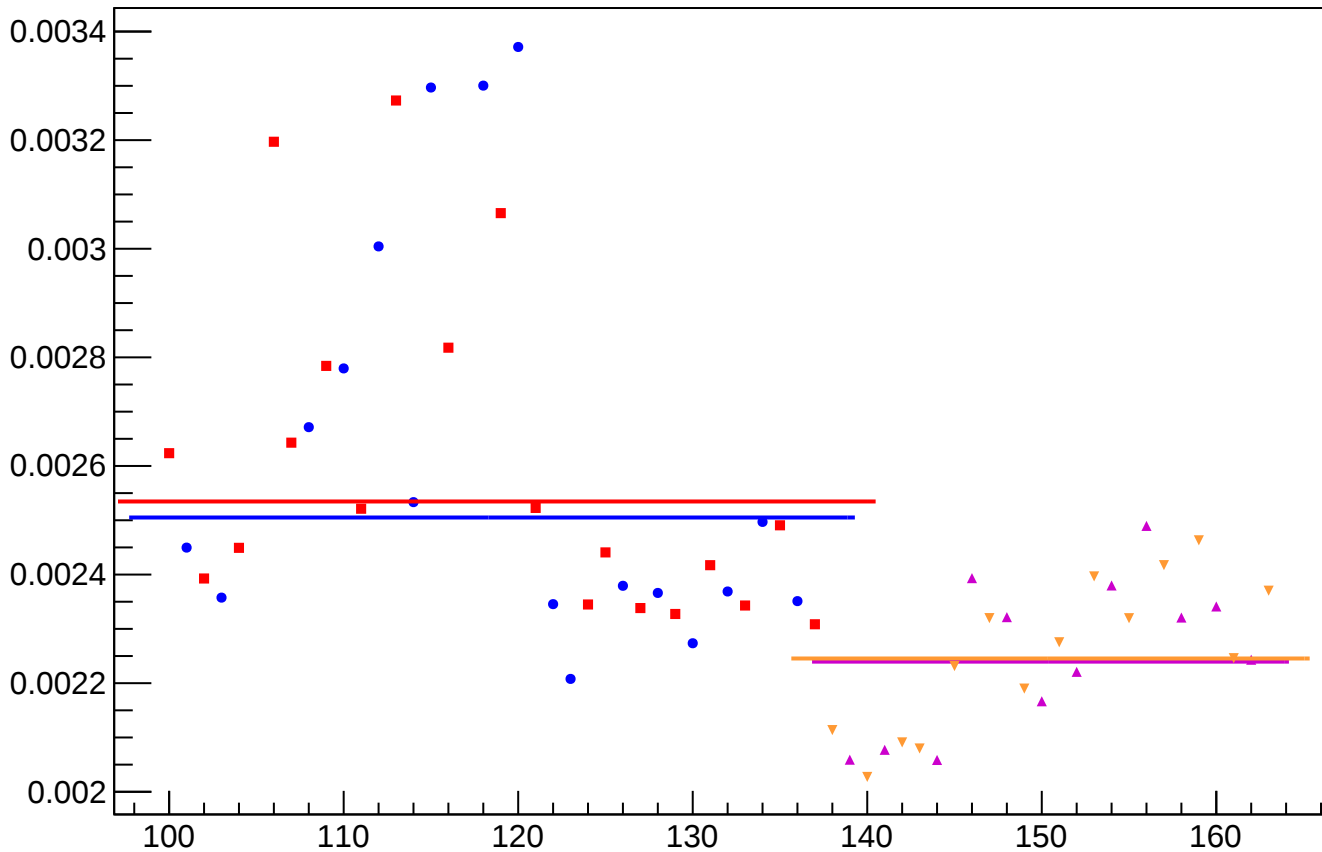
Right: 0.684+/-0.000 χ^2/NDF : 73922739006.0/35

In: 0.354+/-0.000 χ^2/NDF : 205929223170.1/28

Out: 0.353+/-0.000 χ^2/NDF : 218239369872.8/32

All: 0.354+/-0.000 χ^2/NDF : 424170737684.7

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 72435.6/13

Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

Left In: 0.002+/-0.000 χ^2/NDF : 70850.0/11

Left: 0.002+/-0.000 χ^2/NDF : 143351.5/25

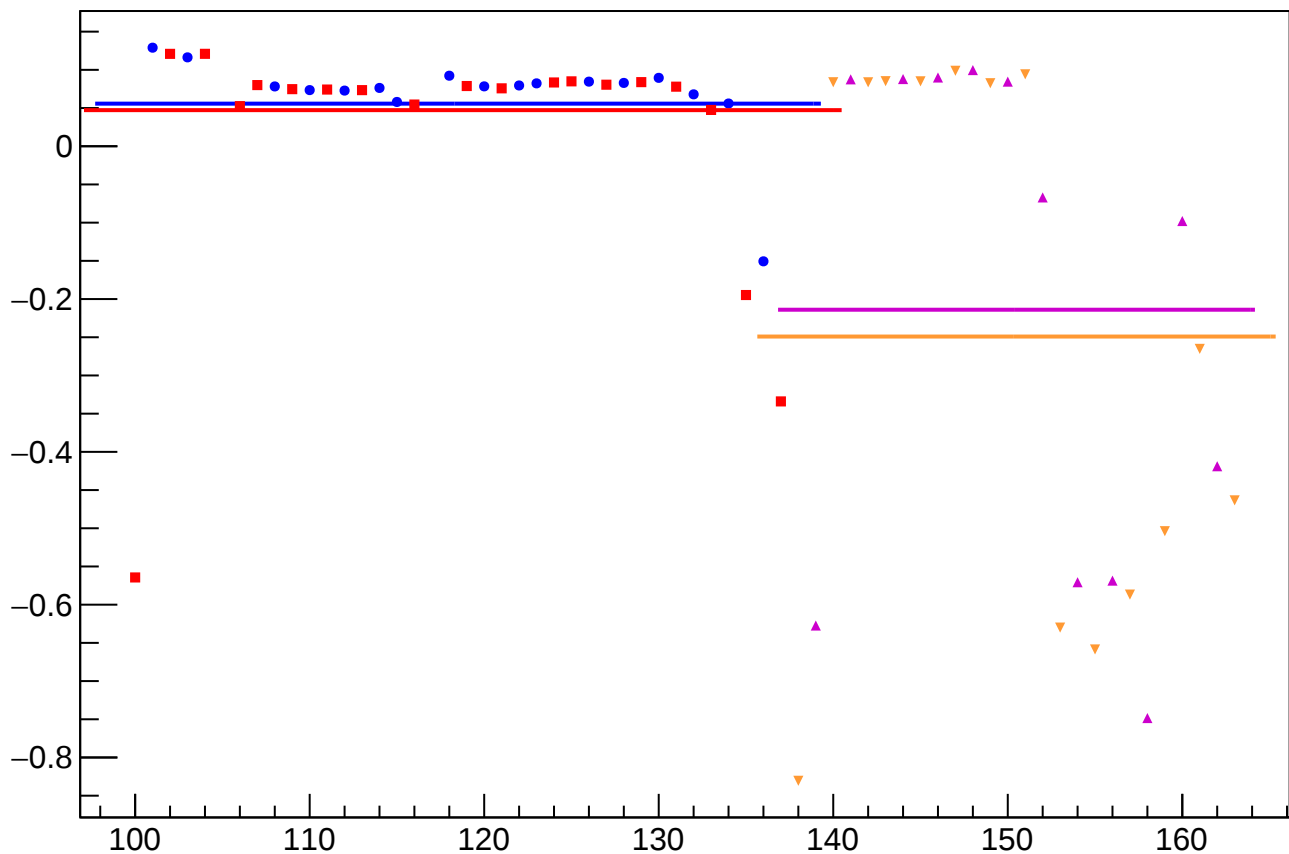
Right: 0.003+/-0.000 χ^2/NDF : 308029.3/35

In: 0.002+/-0.000 χ^2/NDF : 339758.9/28

Out: 0.002+/-0.000 χ^2/NDF : 319638.4/32

All: 0.002+/-0.000 χ^2/NDF : 659772.6/61

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.056 $\pm$ 0.000 χ^2 /NDF: 423003688.1/16

Left Out: -0.249 $\pm$ 0.000 χ^2 /NDF: 8682965430.0/13

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 819588537.2/18

Left In: -0.214 $\pm$ 0.000 χ^2 /NDF: 7300922053.5/11

Left: -0.232 $\pm$ 0.000 χ^2 /NDF: 16028936390.6/25

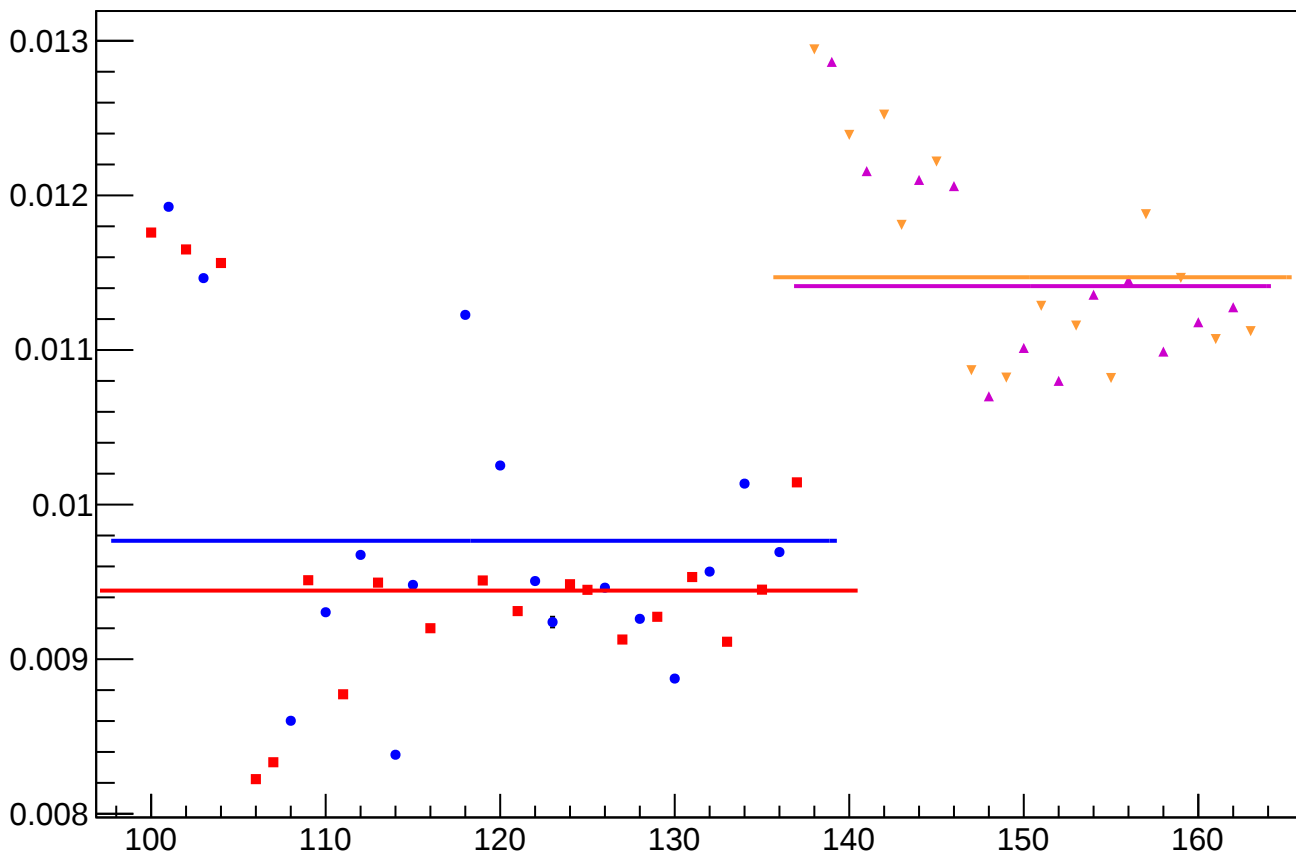
Right: 0.051 $\pm$ 0.000 χ^2 /NDF: 1245197626.4/35

In: -0.082 $\pm$ 0.000 χ^2 /NDF: 10236283776.7/28

Out: -0.099 $\pm$ 0.000 χ^2 /NDF: 12861770711.3/32

All: -0.091 $\pm$ 0.000 χ^2 /NDF: 23118910131.6/64

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 116638.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 60162.5/13

Right Out: 0.009+/-0.000 χ^2/NDF : 110693.8/18

Left In: 0.011+/-0.000 χ^2/NDF : 49515.9/11

Left: 0.011+/-0.000 χ^2/NDF : 109920.2/25

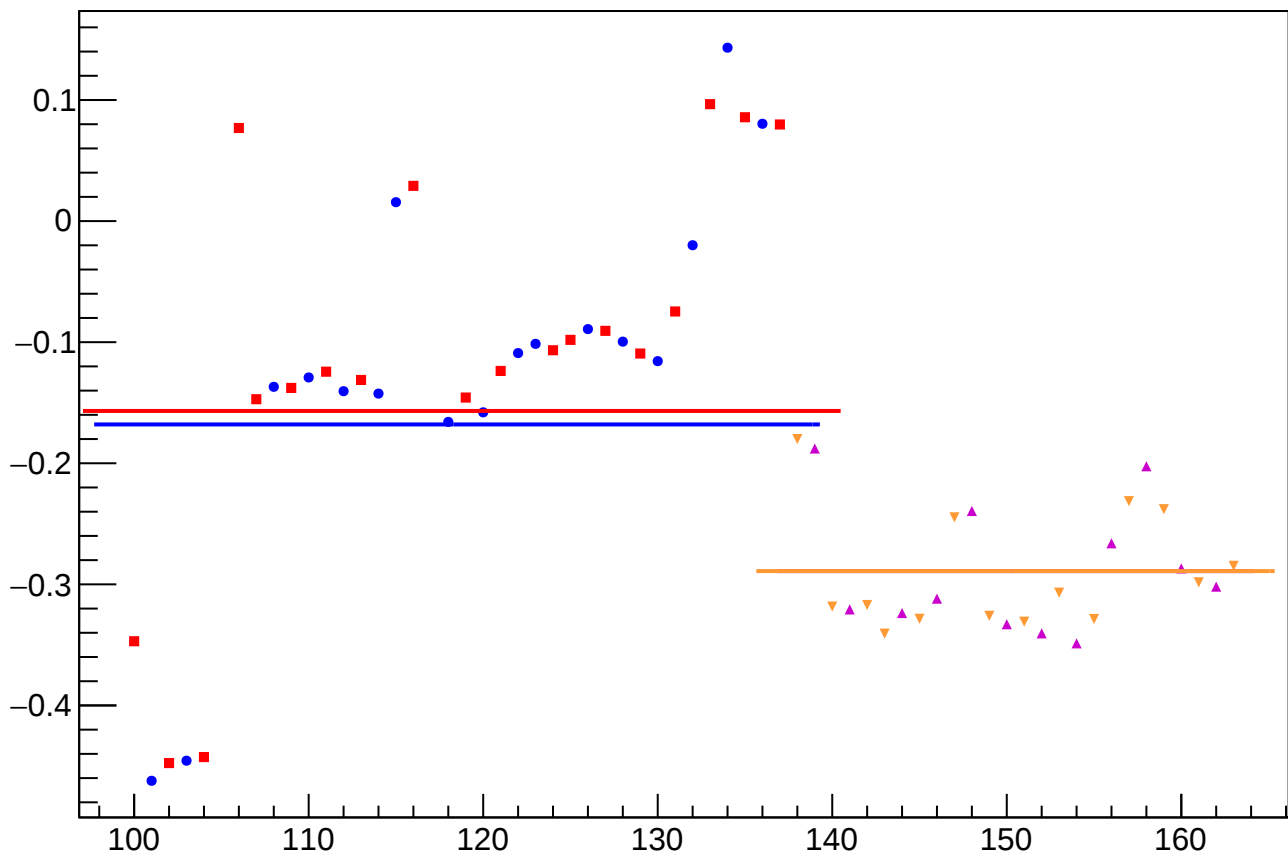
Right: 0.010+/-0.000 χ^2/NDF : 234814.0/35

In: 0.011+/-0.000 χ^2/NDF : 353570.1/28

Out: 0.010+/-0.000 χ^2/NDF : 485215.0/32

All: 0.011+/-0.000 χ^2/NDF : 842653.8/61

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168 ± 0.000 $\chi^2/\text{NDF}: 12331812610.6/16$

Left Out: -0.289 ± 0.000 $\chi^2/\text{NDF}: 2668726913.7/13$

Right Out: -0.157 ± 0.000 $\chi^2/\text{NDF}: 11026962470.3/18$

Left In: -0.289 ± 0.000 $\chi^2/\text{NDF}: 3052047550.4/11$

Left: -0.289 ± 0.000 $\chi^2/\text{NDF}: 5720774661.0/25$

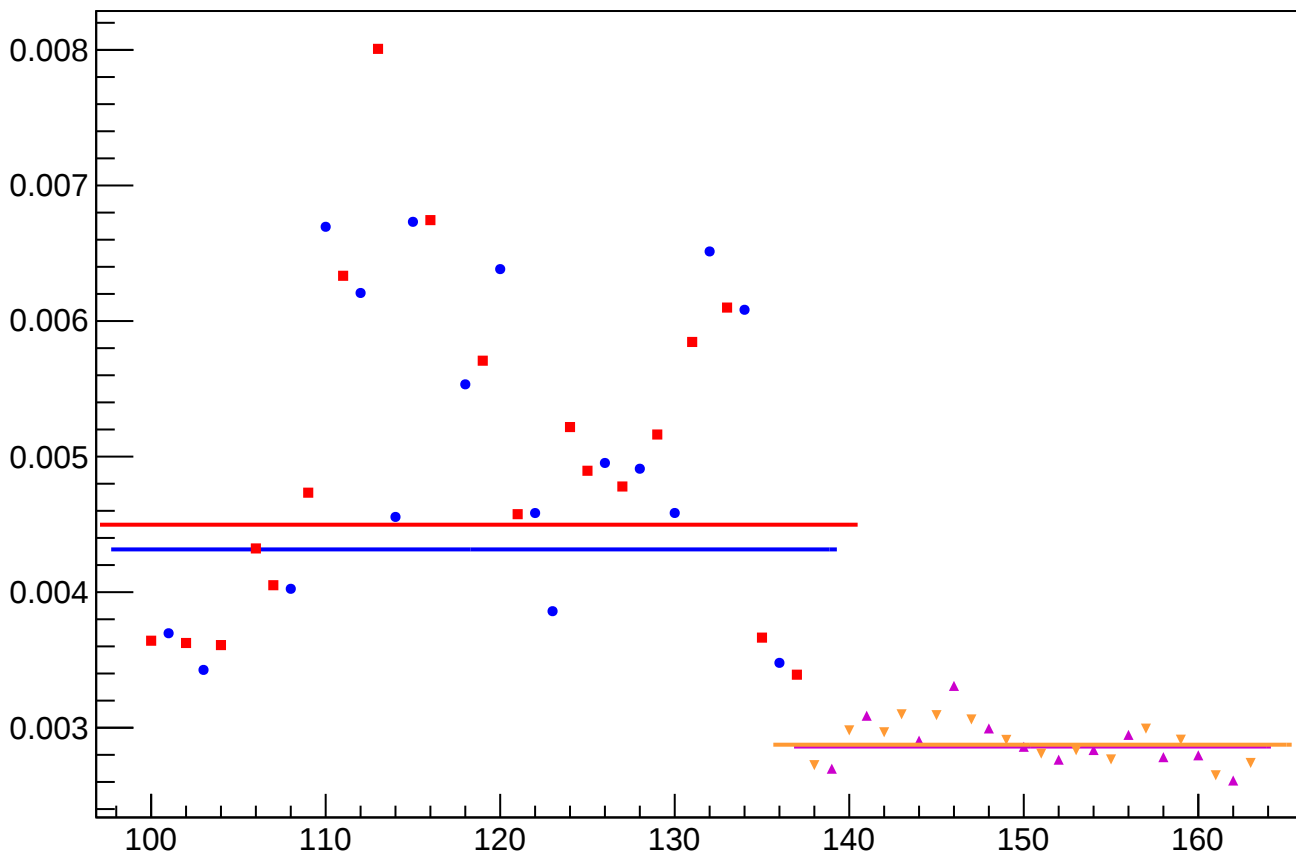
Right: -0.162 ± 0.000 $\chi^2/\text{NDF}: 23377980189.6/35$

In: -0.263 ± 0.000 $\chi^2/\text{NDF}: 18967724837.5/28$

Out: -0.262 ± 0.000 $\chi^2/\text{NDF}: 17980135444.8/32$

All: -0.262 ± 0.000 $\chi^2/\text{NDF}: 36948168445.0/100$

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003+/-0.000 χ^2/NDF : 46752.3/13

Right Out: 0.004+/-0.000 χ^2/NDF : 649708.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 61951.4/11

Left: 0.003+/-0.000 χ^2/NDF : 108923.2/25

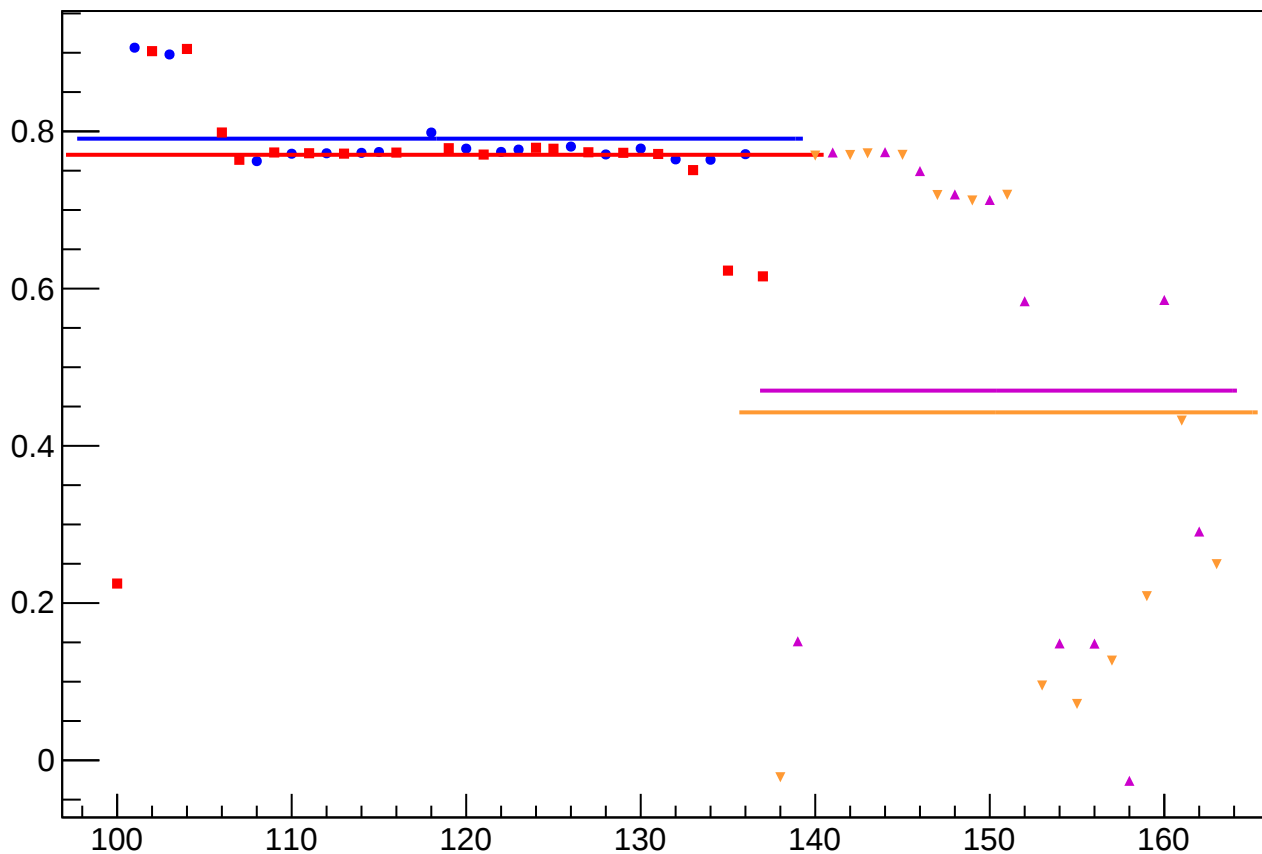
Right: 0.004+/-0.000 χ^2/NDF : 1279743.5/35

In: 0.003+/-0.000 χ^2/NDF : 1714787.0/28

Out: 0.003+/-0.000 χ^2/NDF : 1986680.1/32

All: 0.003+/-0.000 χ^2/NDF : 3702656.4/61

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.791+/-0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.443+/-0.000 χ^2/NDF : 7206441891.4/13

Right Out: 0.770+/-0.000 χ^2/NDF : 375442189.7/18

Left In: 0.470+/-0.000 χ^2/NDF : 6197458485.3/11

Left: 0.456+/-0.000 χ^2/NDF : 13433423269.1/25

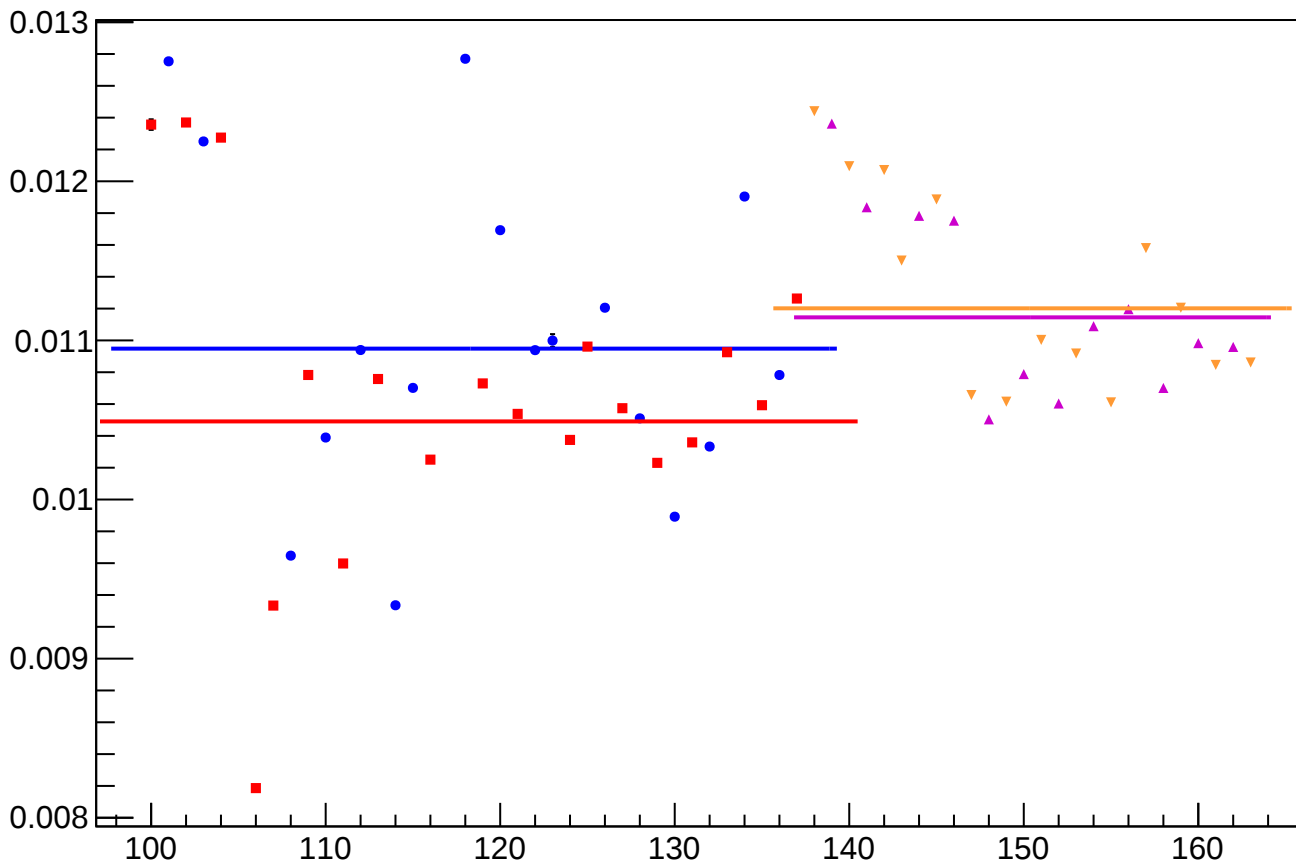
Right: 0.780+/-0.000 χ^2/NDF : 494318002.1/35

In: 0.604+/-0.000 χ^2/NDF : 9514335952.6/28

Out: 0.587+/-0.000 χ^2/NDF : 11352618836.4/32

All: 0.595+/-0.000 χ^2/NDF : 20888271046.3/66

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 51107.9/13

Right Out: 0.010+/-0.000 χ^2/NDF : 119420.8/18

Left In: 0.011+/-0.000 χ^2/NDF : 42411.9/11

Left: 0.011+/-0.000 χ^2/NDF : 93768.3/25

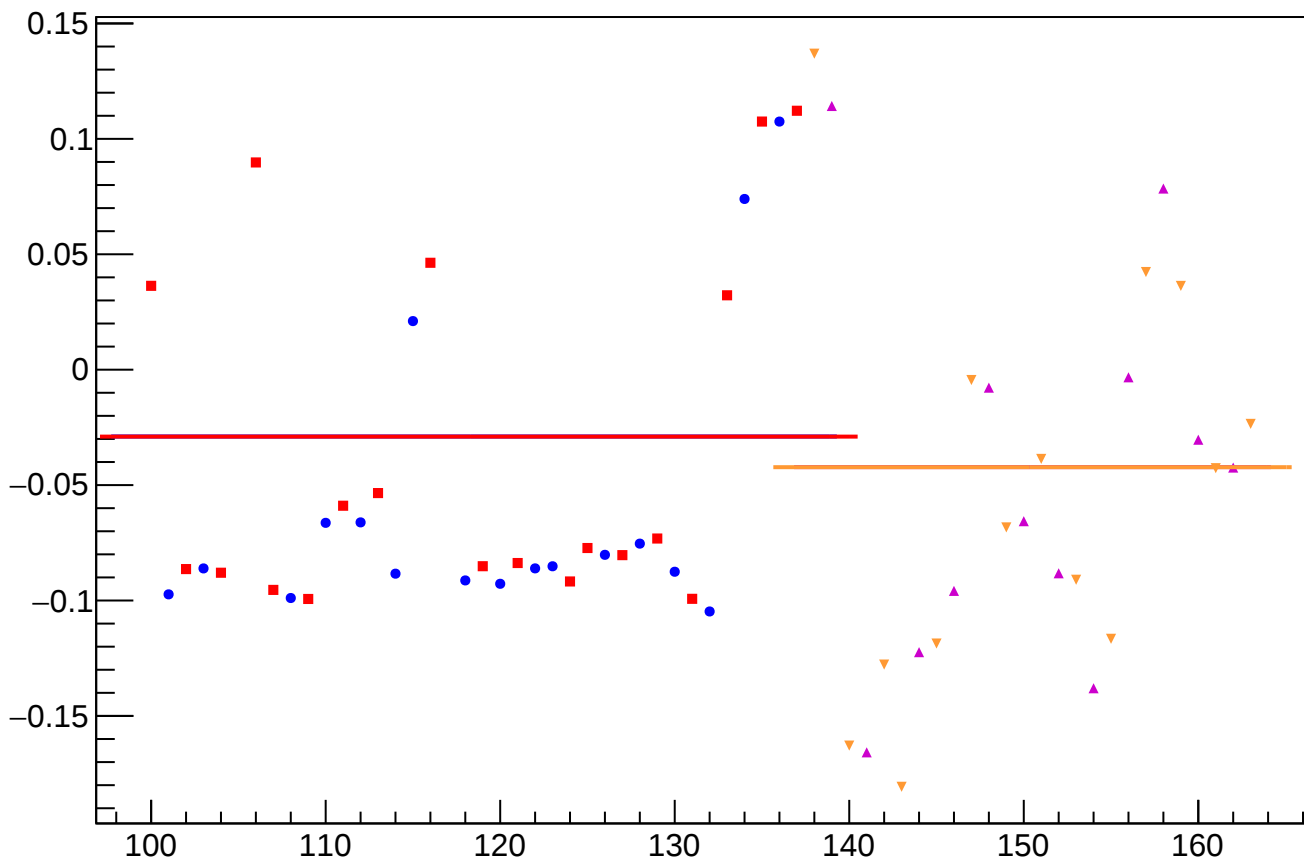
Right: 0.011+/-0.000 χ^2/NDF : 230086.8/35

In: 0.011+/-0.000 χ^2/NDF : 143377.2/28

Out: 0.011+/-0.000 χ^2/NDF : 206017.3/32

All: 0.011+/-0.000 χ^2/NDF : 353462.4/61

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.042+/-0.000 χ^2/NDF : 6631494802.4/13

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

Left In: -0.042+/-0.000 χ^2/NDF : 5822976727.0/11

Left: -0.042+/-0.000 χ^2/NDF : 12454472248.8/25

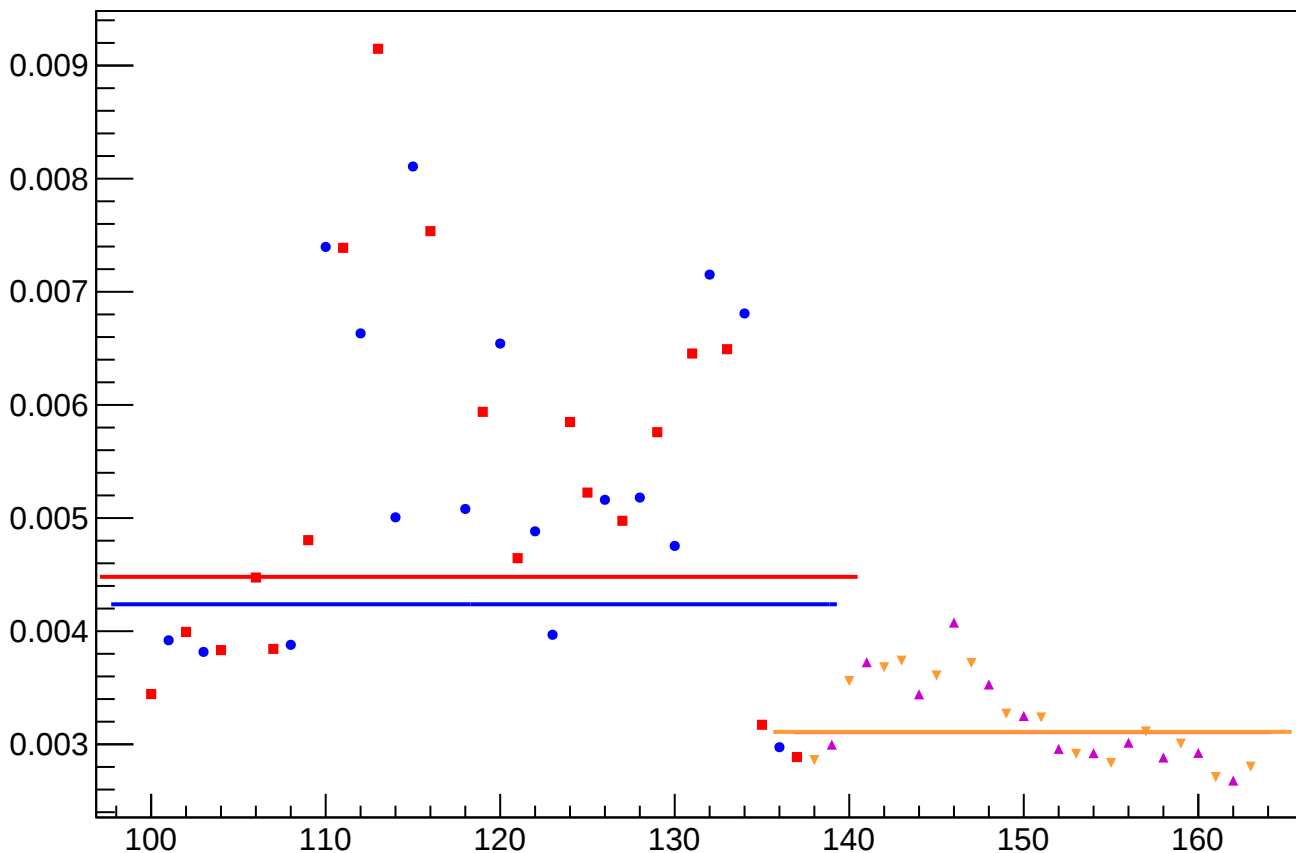
Right: -0.029+/-0.000 χ^2/NDF : 4559325692.9/35

In: -0.039+/-0.000 χ^2/NDF : 8309263756.5/28

Out: -0.039+/-0.000 χ^2/NDF : 8784392781.6/32

All: -0.039+/-0.000 χ^2/NDF : 17093724798.8/74

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003+/-0.000 χ^2/NDF :227482.2/13

Right Out: 0.004+/-0.000 χ^2/NDF : 984186.1/18

Left In: 0.003+/-0.000 χ^2/NDF :223472.2/11

Left: 0.003+/-0.000 χ^2/NDF : 450958.4/25

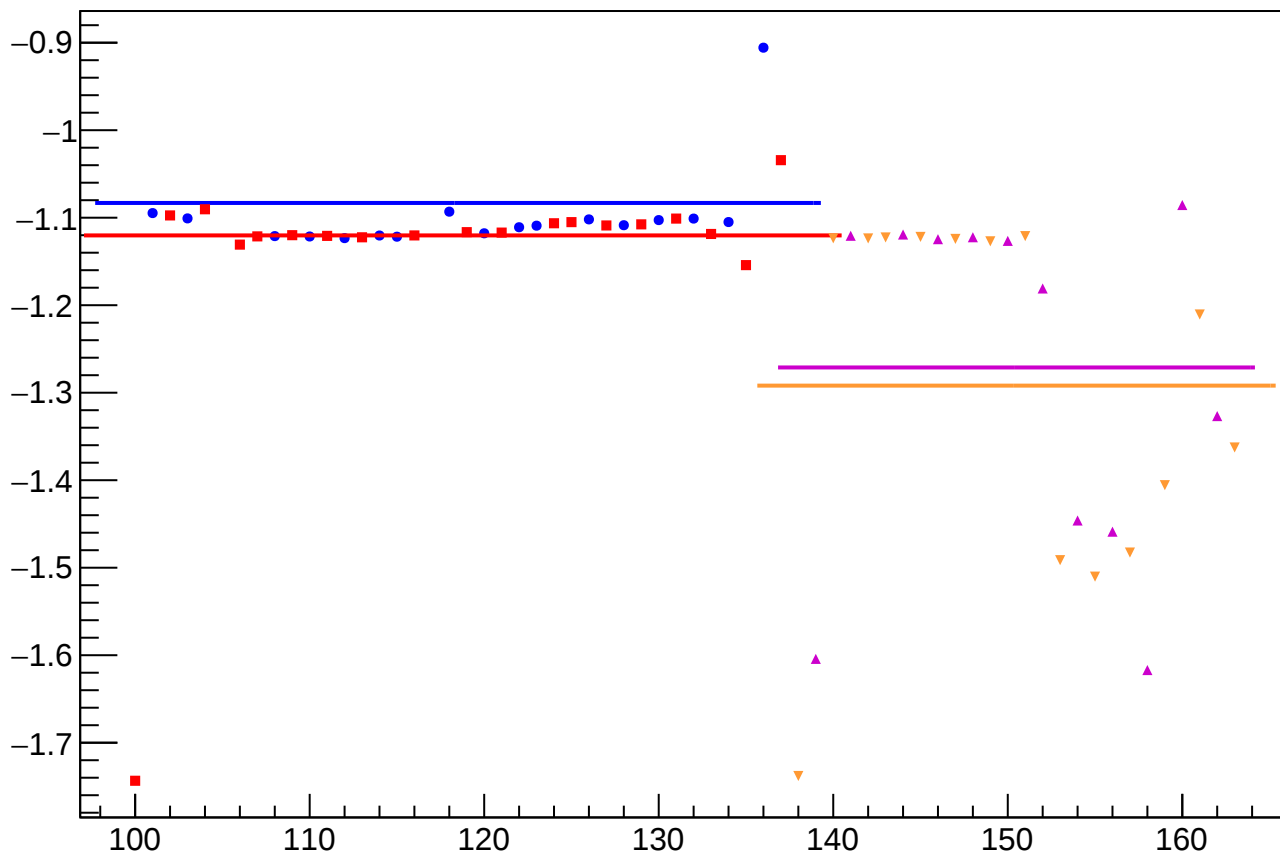
Right: 0.004+/-0.000 χ^2/NDF : 1883305.7/35

In: 0.003+/-0.000 χ^2/NDF :1690065.0/28

Out: 0.003+/-0.000 χ^2/NDF :2057946.0/32

All: 0.003+/-0.000 χ^2/NDF : 3749295.1/61

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.292+/-0.000 χ^2/NDF : 3592012642.0/13

Right Out: -1.120+/-0.000 χ^2/NDF : 220571280.7/18

Left In: -1.271+/-0.000 χ^2/NDF : 3353563178.0/11

Left: -1.282+/-0.000 χ^2/NDF : 6966219163.0/25

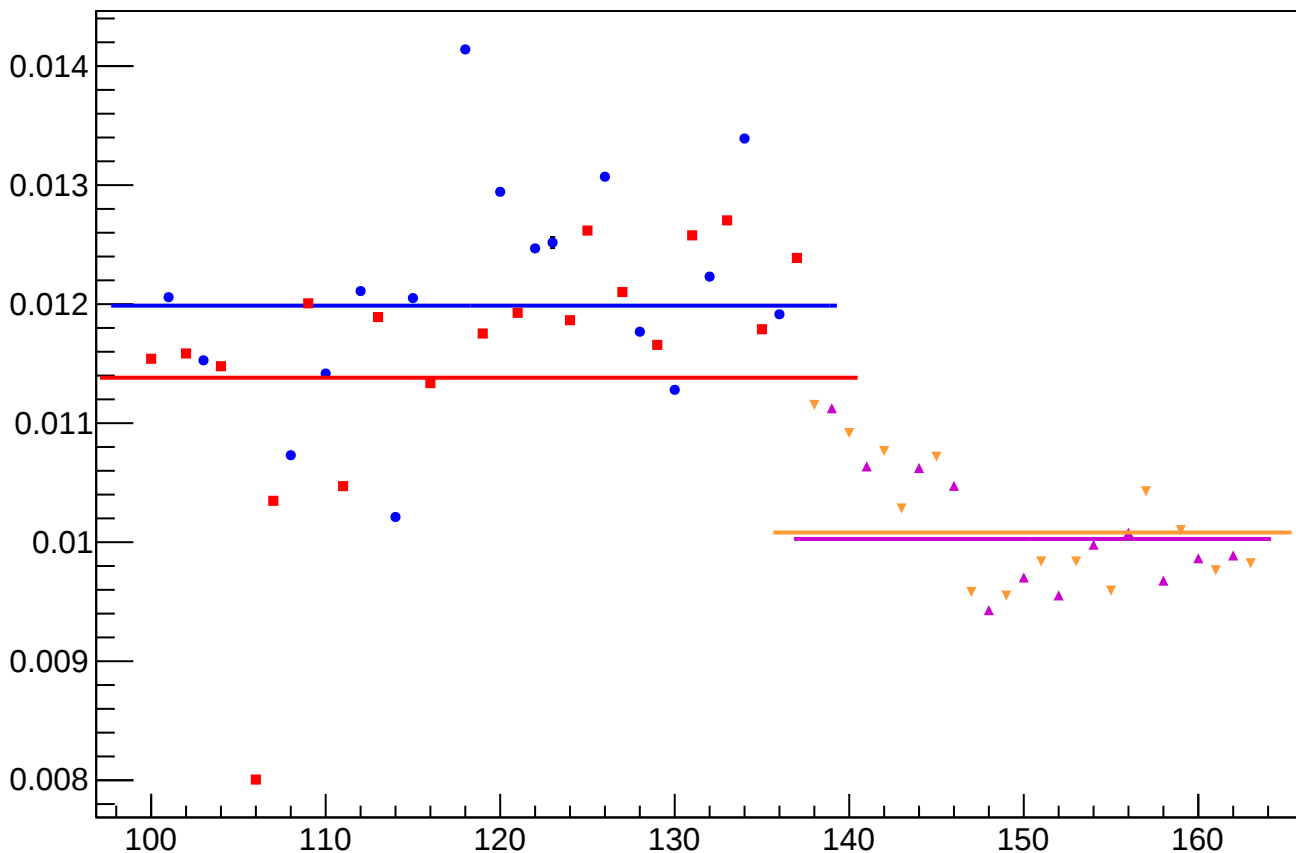
Right: -1.103+/-0.000 χ^2/NDF : 456854707.0/35

In: -1.210+/-0.000 χ^2/NDF : 4624031569.2/28

Out: -1.232+/-0.000 χ^2/NDF : 4828493407.2/32

All: -1.222+/-0.000 χ^2/NDF : 9488435894.7/6

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:49469.0/13

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:41138.4/11

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 90889.5/25

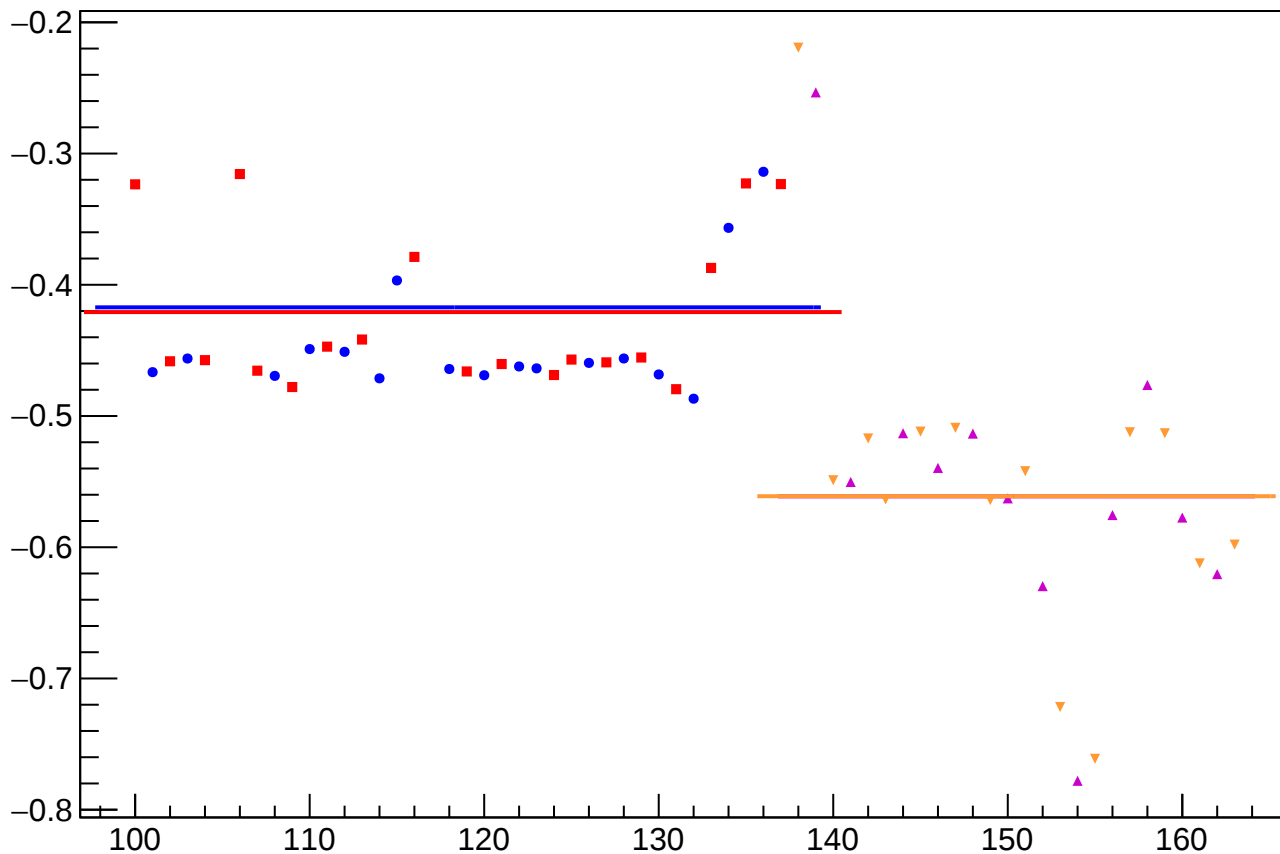
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 232714.9/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:333596.4/28

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:320546.3/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 656662.1/61

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.561+/-0.000 χ^2/NDF : 12960828155.8/13

Right Out: -0.421+/-0.000 χ^2/NDF : 1646463410.7/18

Left In: -0.561+/-0.000 χ^2/NDF : 10292006112.9/11

Left: -0.561+/-0.000 χ^2/NDF : 23252839485.5/25

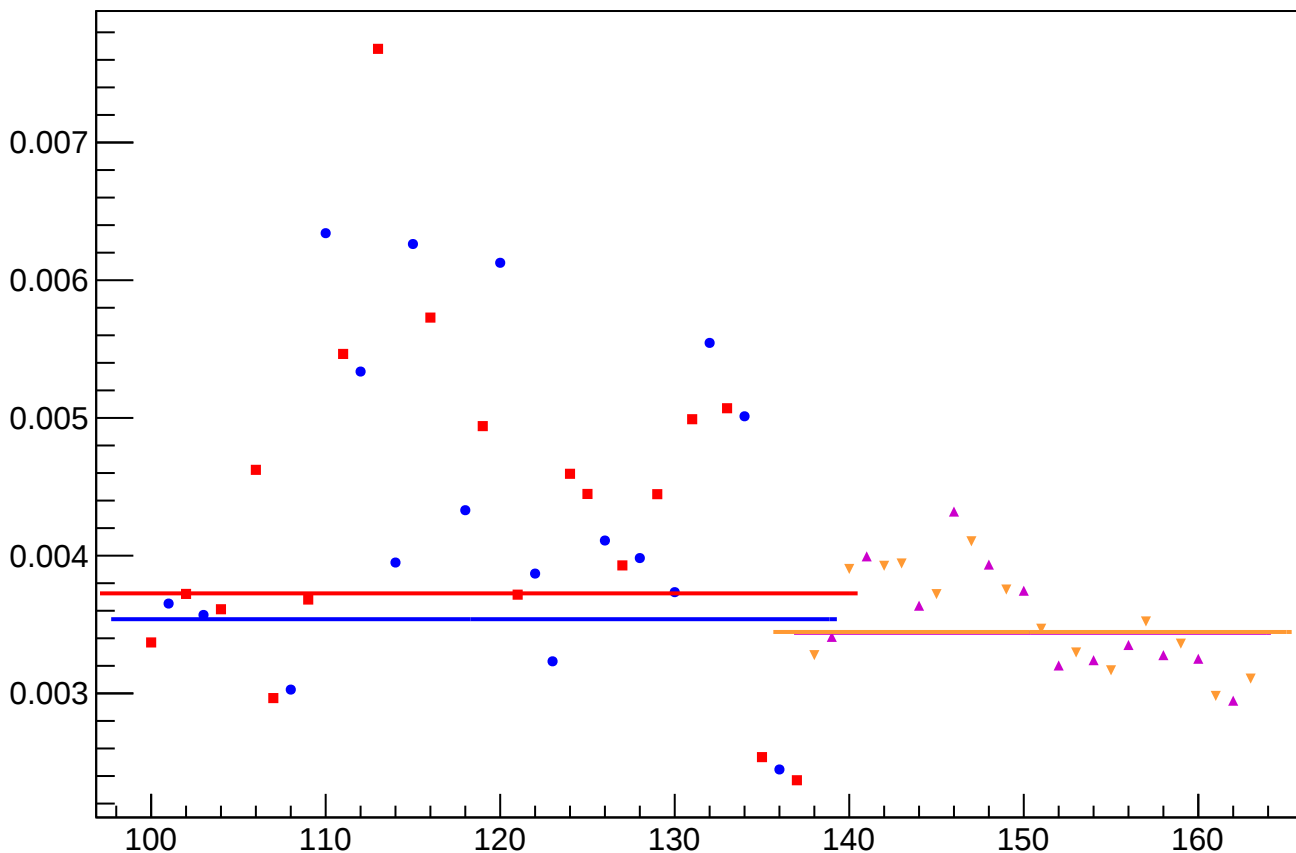
Right: -0.419+/-0.000 χ^2/NDF : 3688293301.3/35

In: -0.508+/-0.000 χ^2/NDF : 18044107587.9/28

Out: -0.513+/-0.000 χ^2/NDF : 20070283939.8/32

All: -0.511+/-0.000 χ^2/NDF : 38127142877.5/32

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 836154.0/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF :177705.4/13

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 898447.6/18

Left In: 0.003 $\pm$ 0.000 χ^2/NDF :189357.2/11

Left: 0.003 $\pm$ 0.000 χ^2/NDF : 367091.6/25

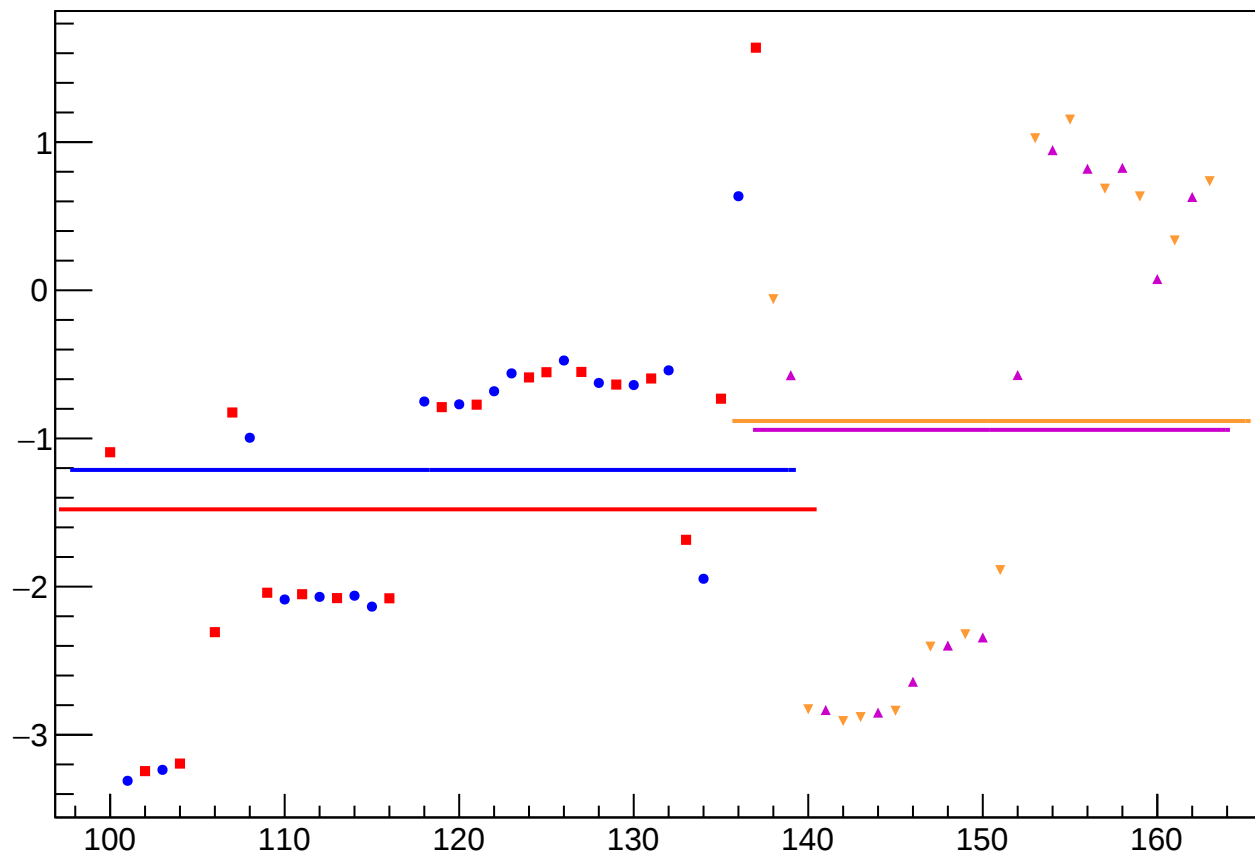
Right: 0.004 $\pm$ 0.000 χ^2/NDF : 1749655.8/35

In: 0.003 $\pm$ 0.000 χ^2/NDF :1030895.9/28

Out: 0.004 $\pm$ 0.000 χ^2/NDF :1119755.0/32

All: 0.004 $\pm$ 0.000 χ^2/NDF : 2155893.9/61

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -0.882+/-0.000 χ^2/NDF : 4822558074.0/13

Right Out: -1.478+/-0.000 χ^2/NDF : 1578264383.8/18

Left In: -0.942+/-0.000 χ^2/NDF : 3901706880.7/11

Left: -0.911+/-0.000 χ^2/NDF : 8727370052.5/25

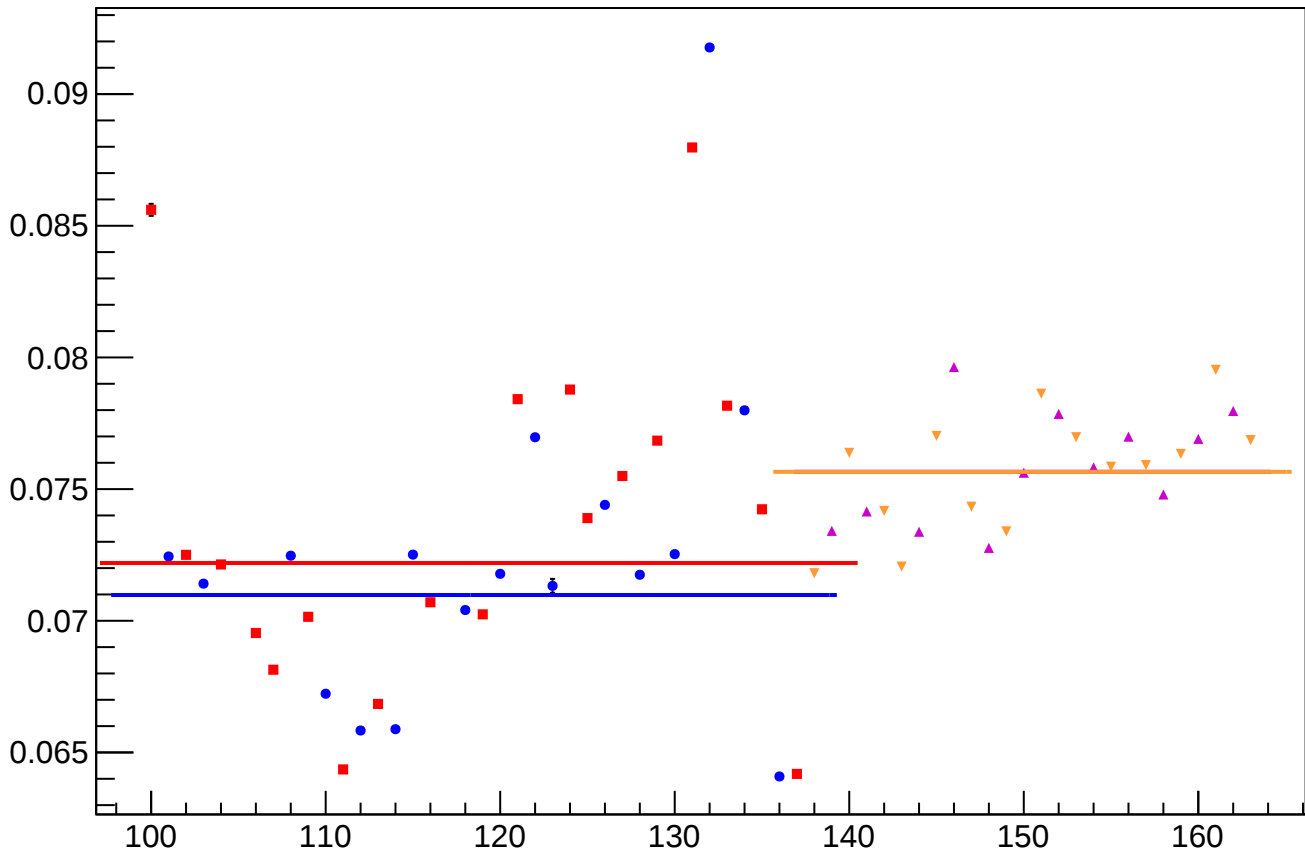
Right: -1.347+/-0.000 χ^2/NDF : 3617796481.7/35

In: -1.061+/-0.000 χ^2/NDF : 5947943107.5/28

Out: -1.136+/-0.000 χ^2/NDF : 6673472627.3/32

All: -1.100+/-0.000 χ^2/NDF : 12629948863.2/70

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.076+/-0.000 χ^2/NDF : 17264.3/13

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

Left In: 0.076+/-0.000 χ^2/NDF : 13446.2/11

Left: 0.076+/-0.000 χ^2/NDF : 30710.5/25

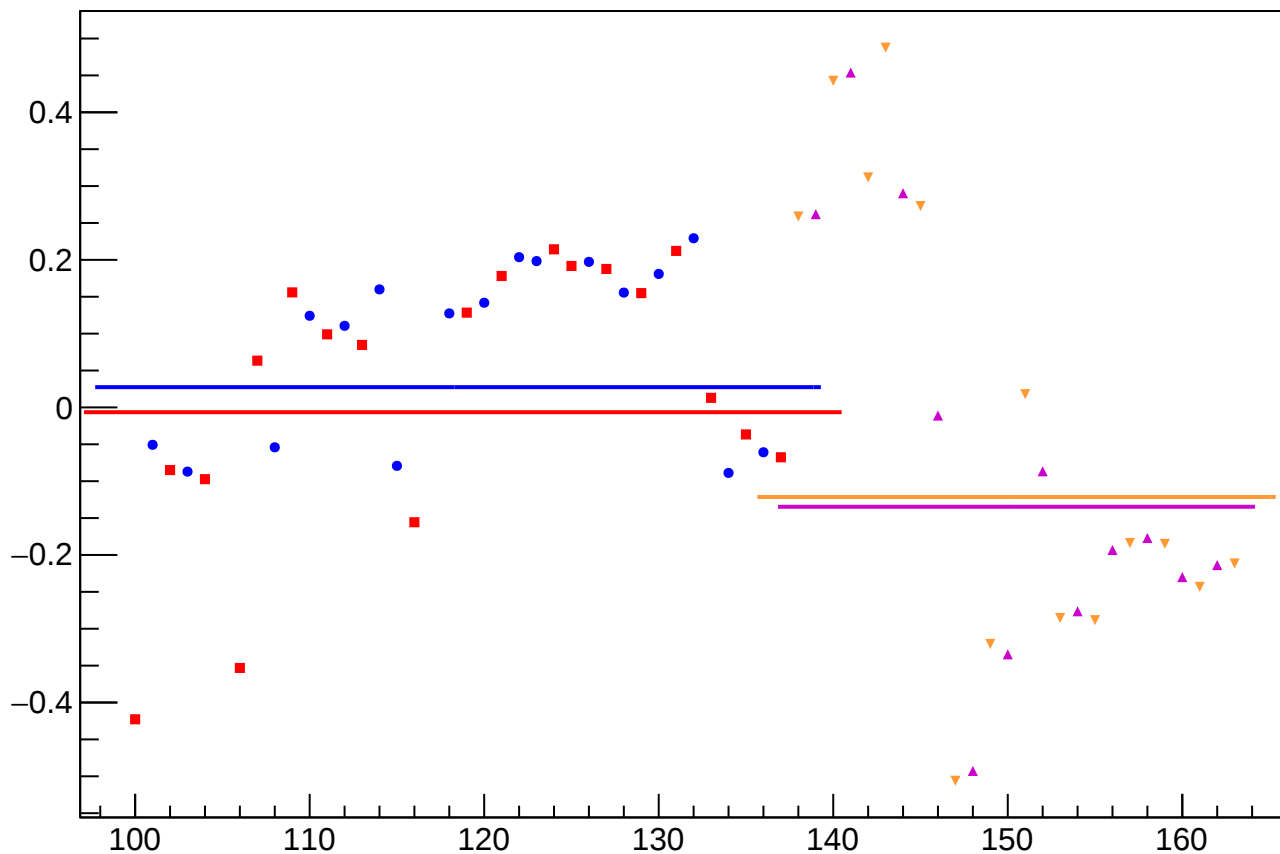
Right: 0.072+/-0.000 χ^2/NDF : 152771.2/35

In: 0.074+/-0.000 χ^2/NDF : 123008.6/28

Out: 0.074+/-0.000 χ^2/NDF : 108864.8/32

All: 0.074+/-0.000 χ^2/NDF : 232917.6/61

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.121+/-0.000 χ^2/NDF : 13678234110.5/13

Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

Left In: -0.135+/-0.000 χ^2/NDF : 10196990739.6/11

Left: -0.128+/-0.000 χ^2/NDF : 23893646757.6/25

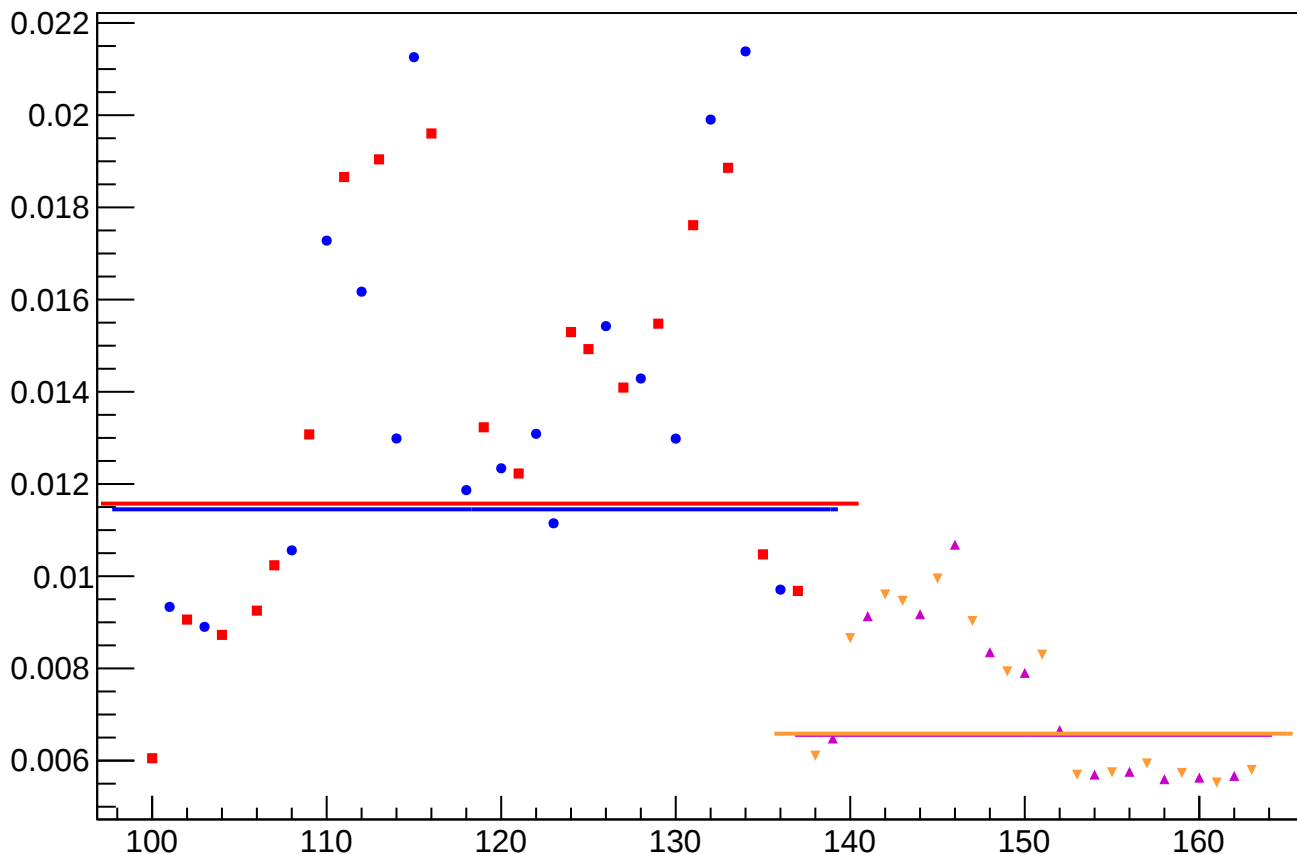
Right: 0.010+/-0.000 χ^2/NDF : 1787030042.0/35

In: -0.106+/-0.000 χ^2/NDF : 11706765111.1/28

Out: -0.102+/-0.000 χ^2/NDF : 15363004576.9/32

All: -0.104+/-0.000 χ^2/NDF : 27071749396.6/67

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 679628.0/16

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF : 843802.3/13

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 997161.1/18

Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 754618.4/11

Left: 0.007 $\pm$ 0.000 χ^2/NDF : 1598566.0/25

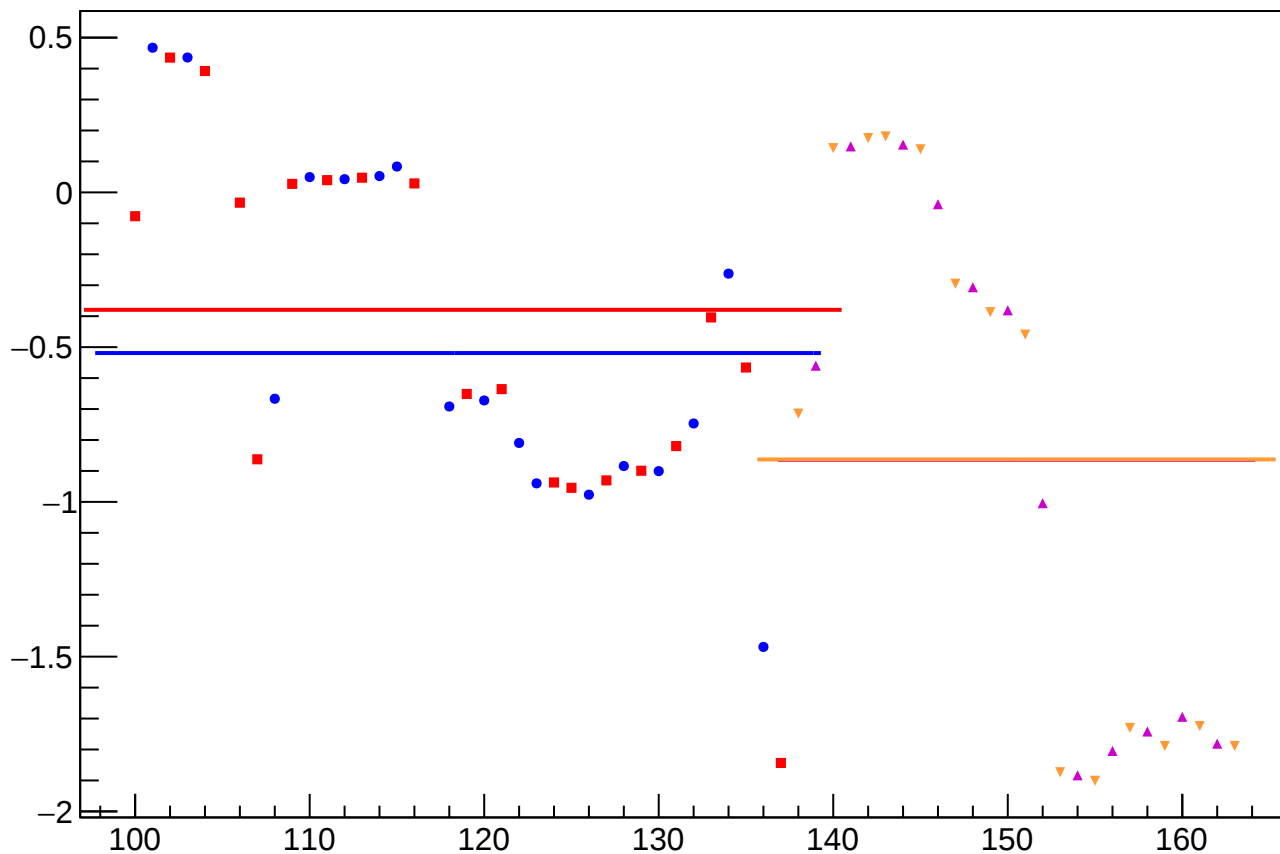
Right: 0.012 $\pm$ 0.000 χ^2/NDF : 1677468.5/35

In: 0.007 $\pm$ 0.000 χ^2/NDF : 3159585.1/28

Out: 0.007 $\pm$ 0.000 χ^2/NDF : 3672238.9/32

All: 0.007 $\pm$ 0.000 χ^2/NDF : 6831827.7/61

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.863 ± 0.000 χ^2/NDF : 952249441.2/13

Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

Left In: -0.865 ± 0.000 χ^2/NDF : 792939650.4/11

Left: -0.864 ± 0.000 χ^2/NDF : 1745191116.9/25

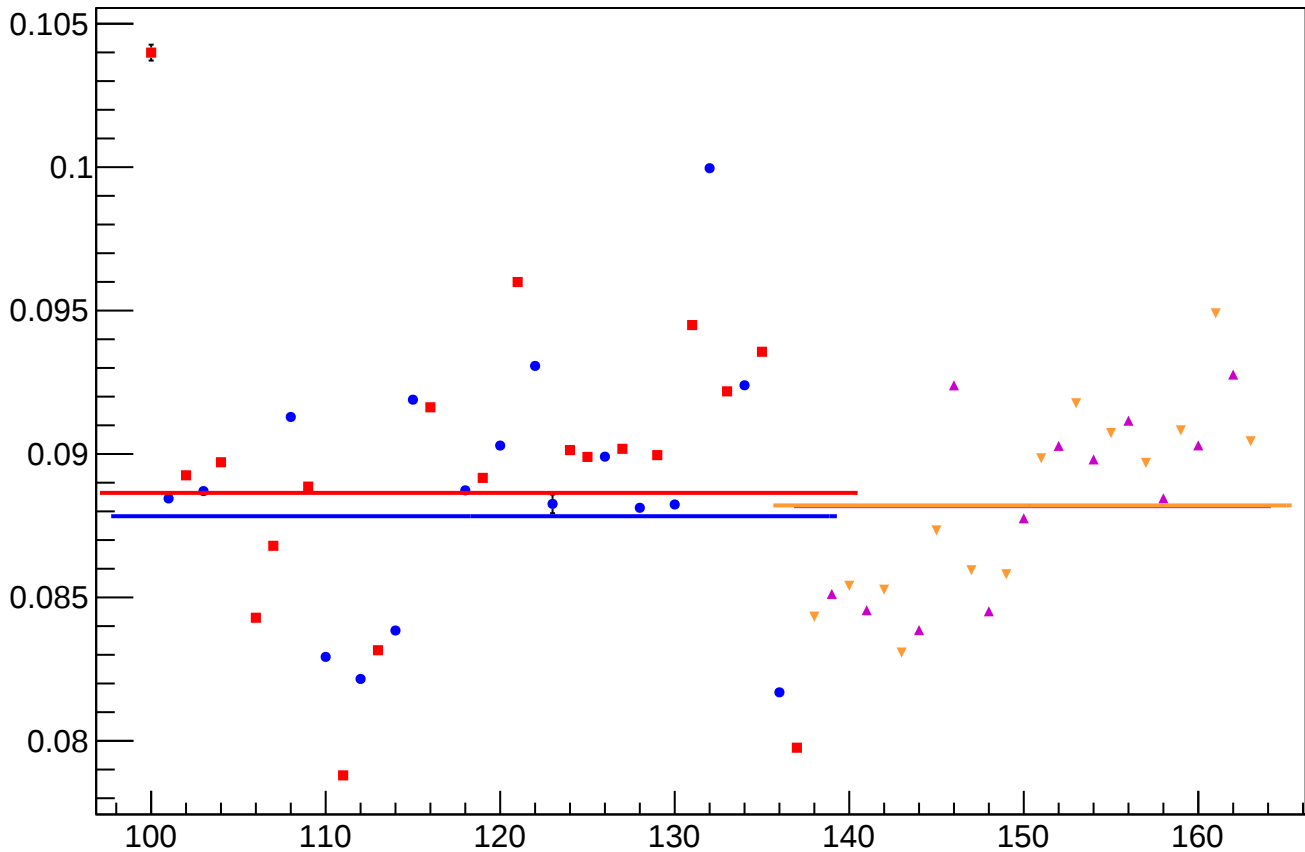
Right: -0.448 ± 0.000 χ^2/NDF : 616632603.2/35

In: -0.722 ± 0.000 χ^2/NDF : 1193175337.2/28

Out: -0.668 ± 0.000 χ^2/NDF : 1347006263.3/32

All: -0.695 ± 0.000 χ^2/NDF : 2543331341.4/6

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.088+/-0.000 χ^2/NDF : 34954.4/16

Left Out: 0.088+/-0.000 χ^2/NDF : 27988.5/13

Right Out: 0.089+/-0.000 χ^2/NDF : 39722.9/18

Left In: 0.088+/-0.000 χ^2/NDF : 23392.6/11

Left: 0.088+/-0.000 χ^2/NDF : 51382.0/25

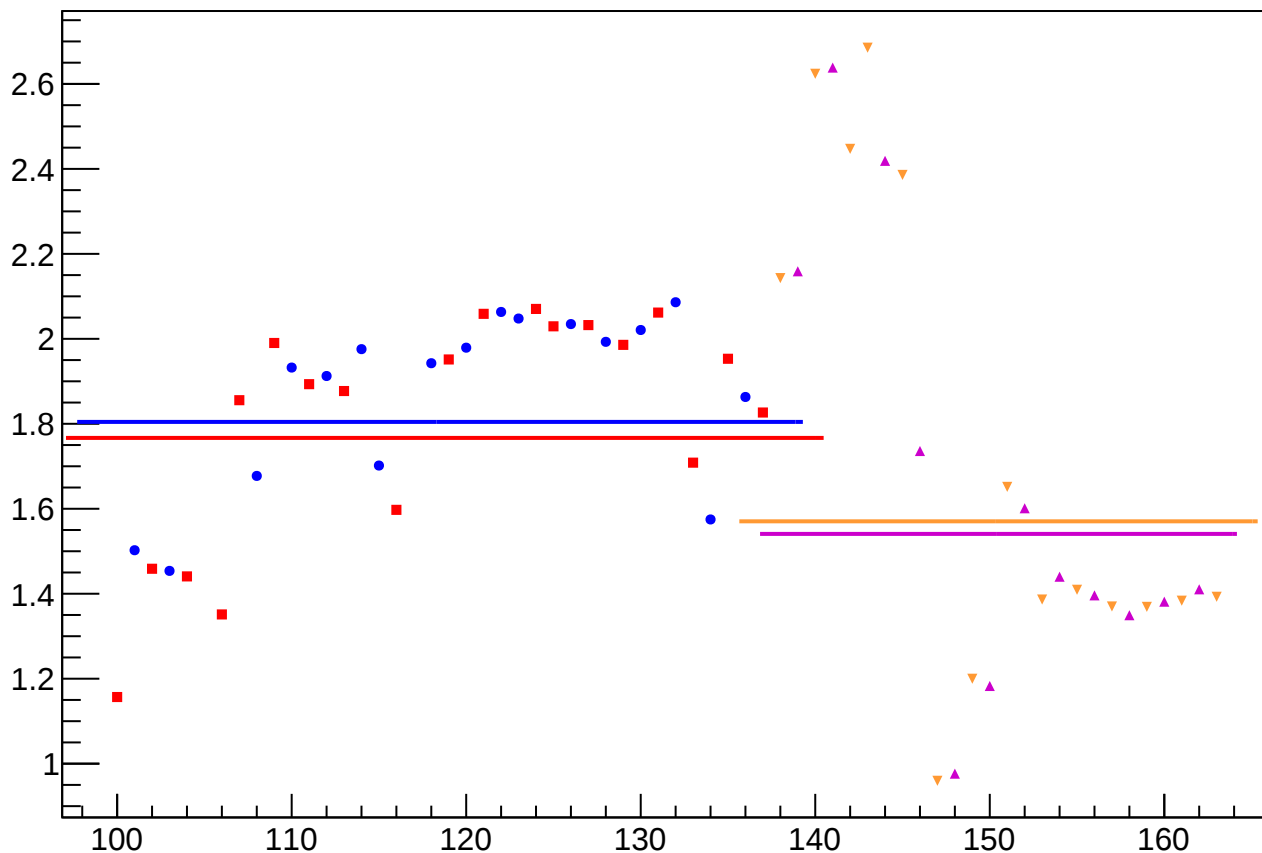
Right: 0.088+/-0.000 χ^2/NDF : 75262.5/35

In: 0.088+/-0.000 χ^2/NDF : 58472.2/28

Out: 0.088+/-0.000 χ^2/NDF : 67917.3/32

All: 0.088+/-0.000 χ^2/NDF : 126650.0/61

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.804+/-0.000 χ^2/NDF : 1156747883.2/16

Left Out: 1.570+/-0.000 χ^2/NDF : 23022528379.3/13

Right Out: 1.767+/-0.000 χ^2/NDF : 1709259284.5/18

Left In: 1.541+/-0.000 χ^2/NDF : 17806218781.8/11

Left: 1.556+/-0.000 χ^2/NDF : 40880155436.9/25

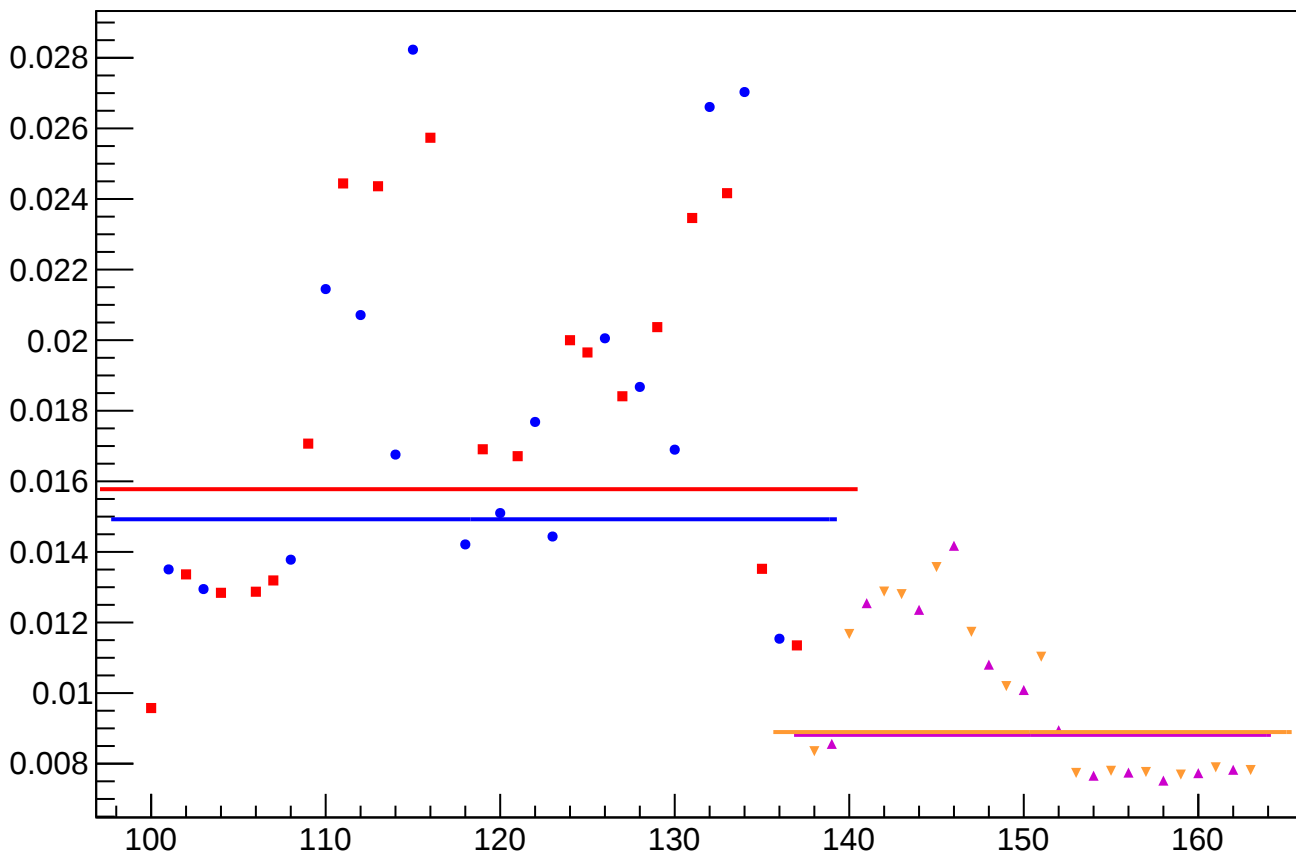
Right: 1.786+/-0.000 χ^2/NDF : 2883751688.5/35

In: 1.590+/-0.000 χ^2/NDF : 20426045487.9/28

Out: 1.603+/-0.000 χ^2/NDF : 25510029036.7/32

All: 1.597+/-0.000 χ^2/NDF : 45949426774.3/66

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.009+/-0.000 χ^2/NDF : 782684.1/13

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 701351.8/11

Left: 0.009+/-0.000 χ^2/NDF : 1484775.0/25

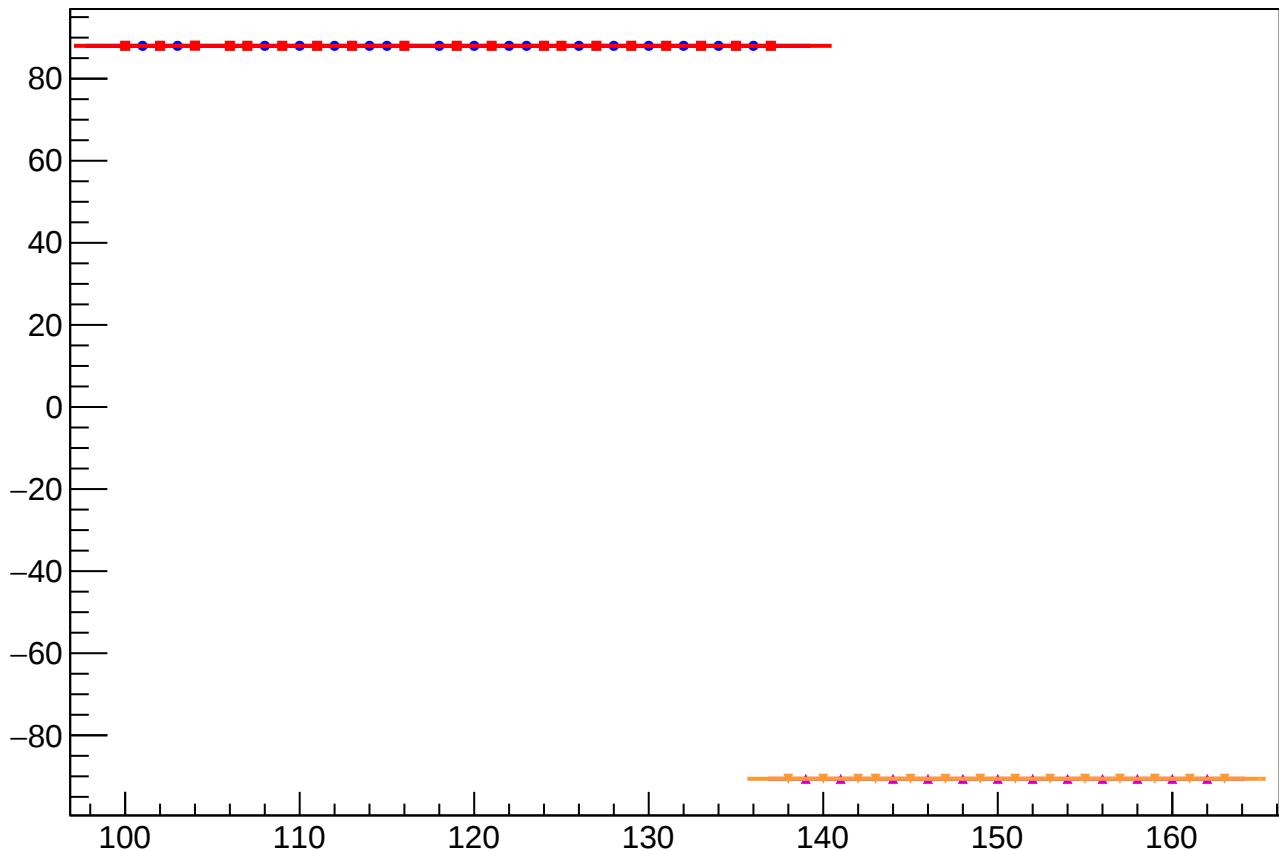
Right: 0.015+/-0.000 χ^2/NDF : 1447935.5/35

In: 0.010+/-0.000 χ^2/NDF : 2916078.6/28

Out: 0.010+/-0.000 χ^2/NDF : 3480887.6/32

All: 0.010+/-0.000 χ^2/NDF : 6398398.9/61

epics_VWienAngles_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2 /NDF: 1852068.7/16

Left Out: -90.599+/-0.000 χ^2 /NDF: 3888112.4/13

Right Out: 88.004+/-0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

Left In: -90.599+/-0.000 χ^2 /NDF: 1471597.9/11

Left: -90.599+/-0.000 χ^2 /NDF: 5708879.1/25

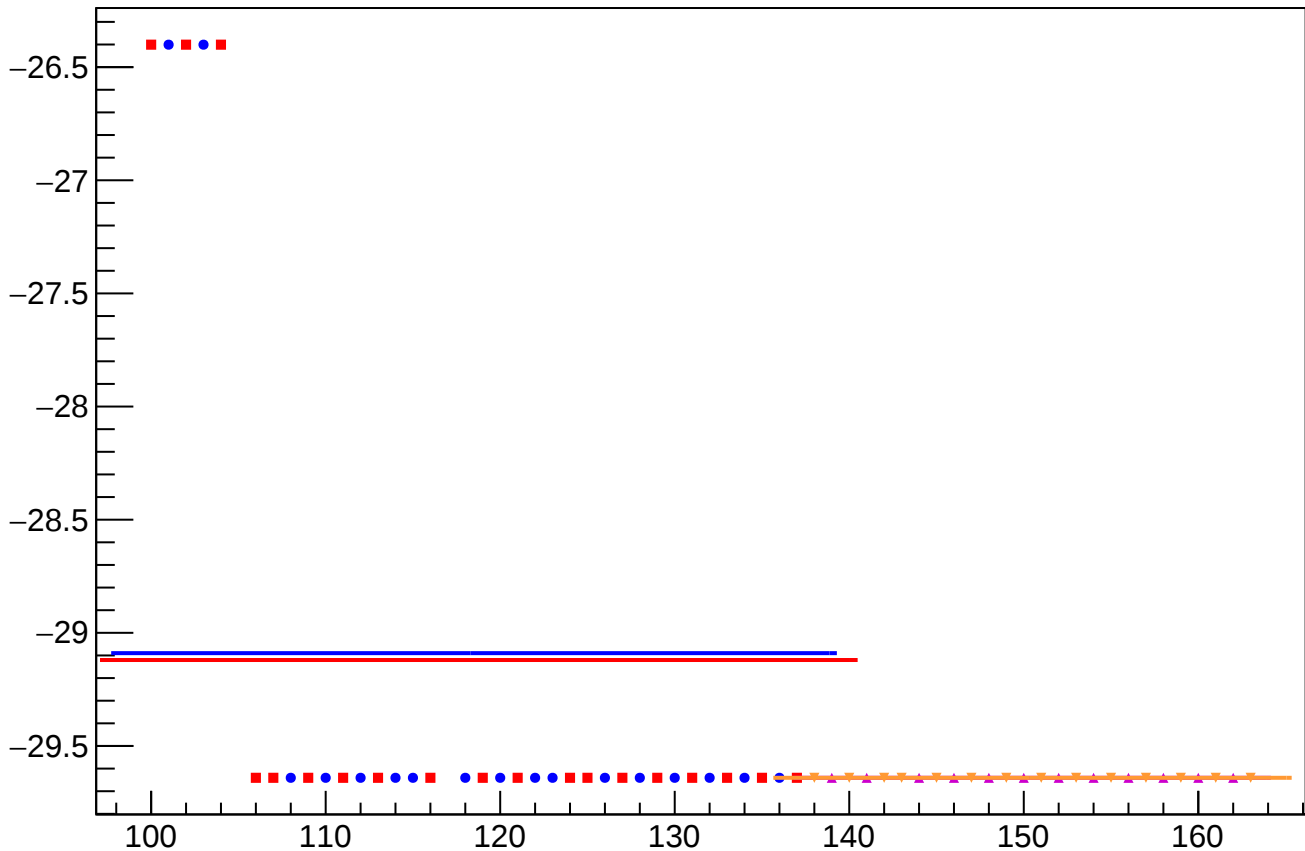
Right: 88.002+/-0.000 χ^2 /NDF: 8043459440319720

In: -17.387+/-0.000 χ^2 /NDF: 13062638544453613

Out: -19.277+/-0.000 χ^2 /NDF: 1383392457176065

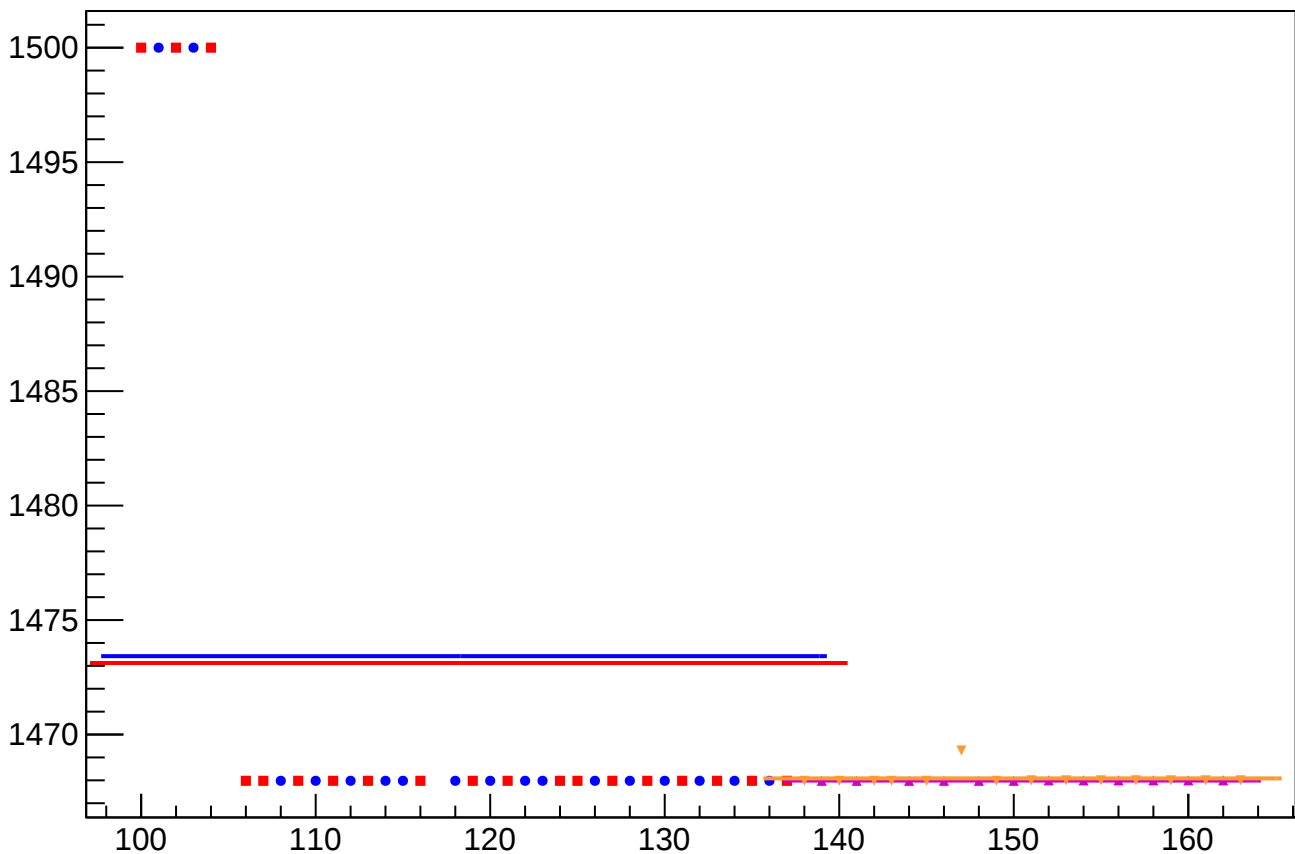
All: -18.363+/-0.000 χ^2 /NDF: 268996851815

epics_HWienAngles_mean vs Slug, Sign Corrected



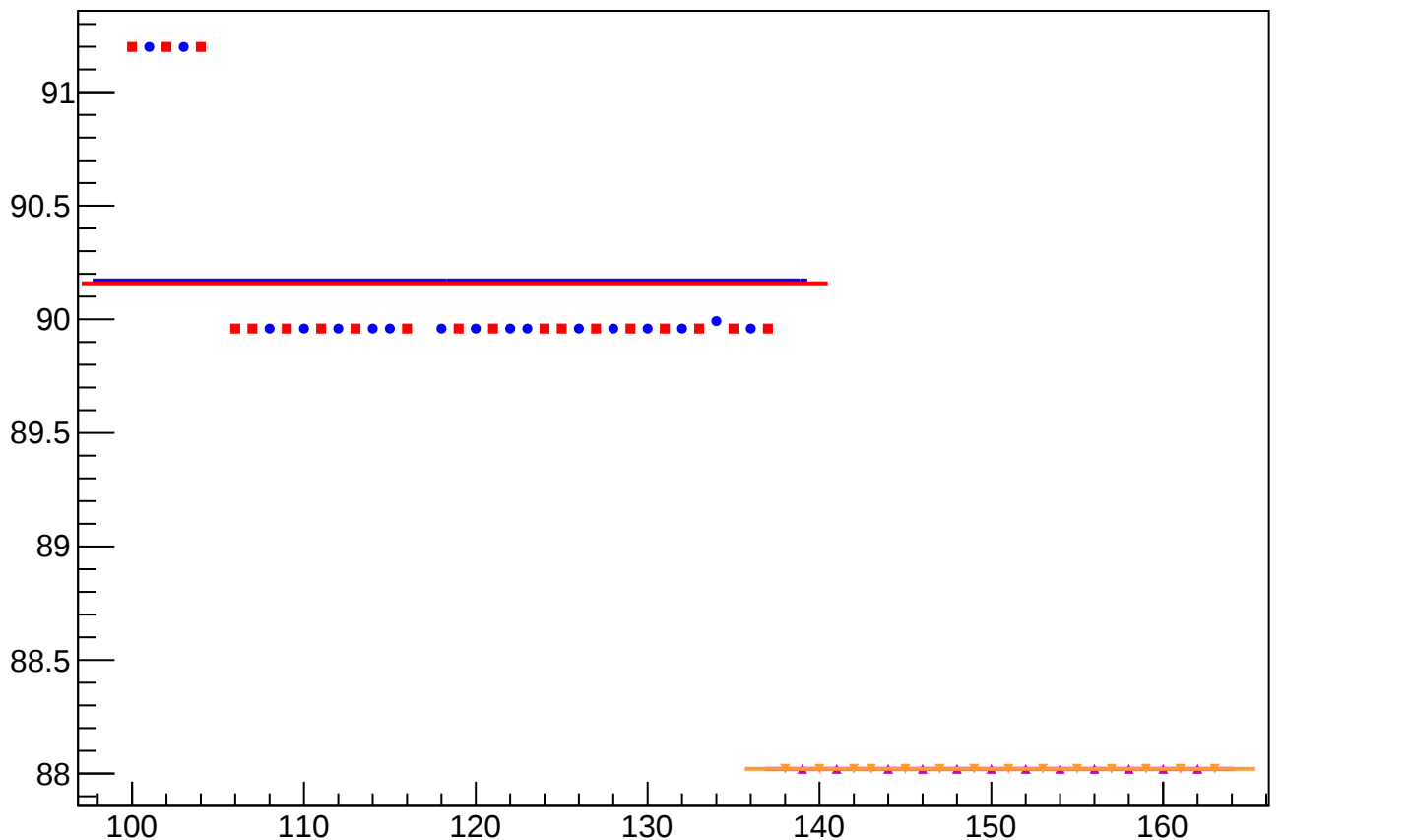
Right In: -29.090+/-0.000 χ^2/NDF : 1028099246109521929793835198578688.0/16
 Left Out: -29.641+/-0.000 χ^2/NDF : 180933.1/13
 Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18
 Left In: -29.641+/-0.000 χ^2/NDF : 48328.8/11
 In: -29.415+/-0.000 χ^2/NDF : 11523797755463566
 Out: -29.433+/-0.000 χ^2/NDF : 1139593444247767
 All: -29.424+/-0.000 χ^2/NDF : 229225485655

epics_psub_pl_poss_mean vs Slug, Sign Corrected



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16
 Left Out: 1468.085+/-0.000 χ^2/NDF : 124513214684727570080253335306240.0/13
 Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18
 Left In: 1467.989+/-0.000 χ^2/NDF : 99899099071245765713990778880.0/11
 All: 1470.155+/-0.000 χ^2/NDF : 22349926065

epics_Phi_FGs_mean vs Slug, Sign Corrected



Right In: 90.171+/-0.000

χ^2/NDF : 150316905454500935857801185460224.0/16

Left: 88.021+/-0.000 χ^2/NDF : 6407216.6/25

Right: 90.165+/-0.000 χ^2/NDF : 3000783518908113

Left Out: 88.021+/-0.000

χ^2/NDF : 3150394.9/13

Right Out: 90.159+/-0.000

χ^2/NDF : 149705165651000025160777180643328.0/18

In: 88.902+/-0.000 χ^2/NDF : 204404852420341887

Out: 88.874+/-0.000 χ^2/NDF : 21317346332399940

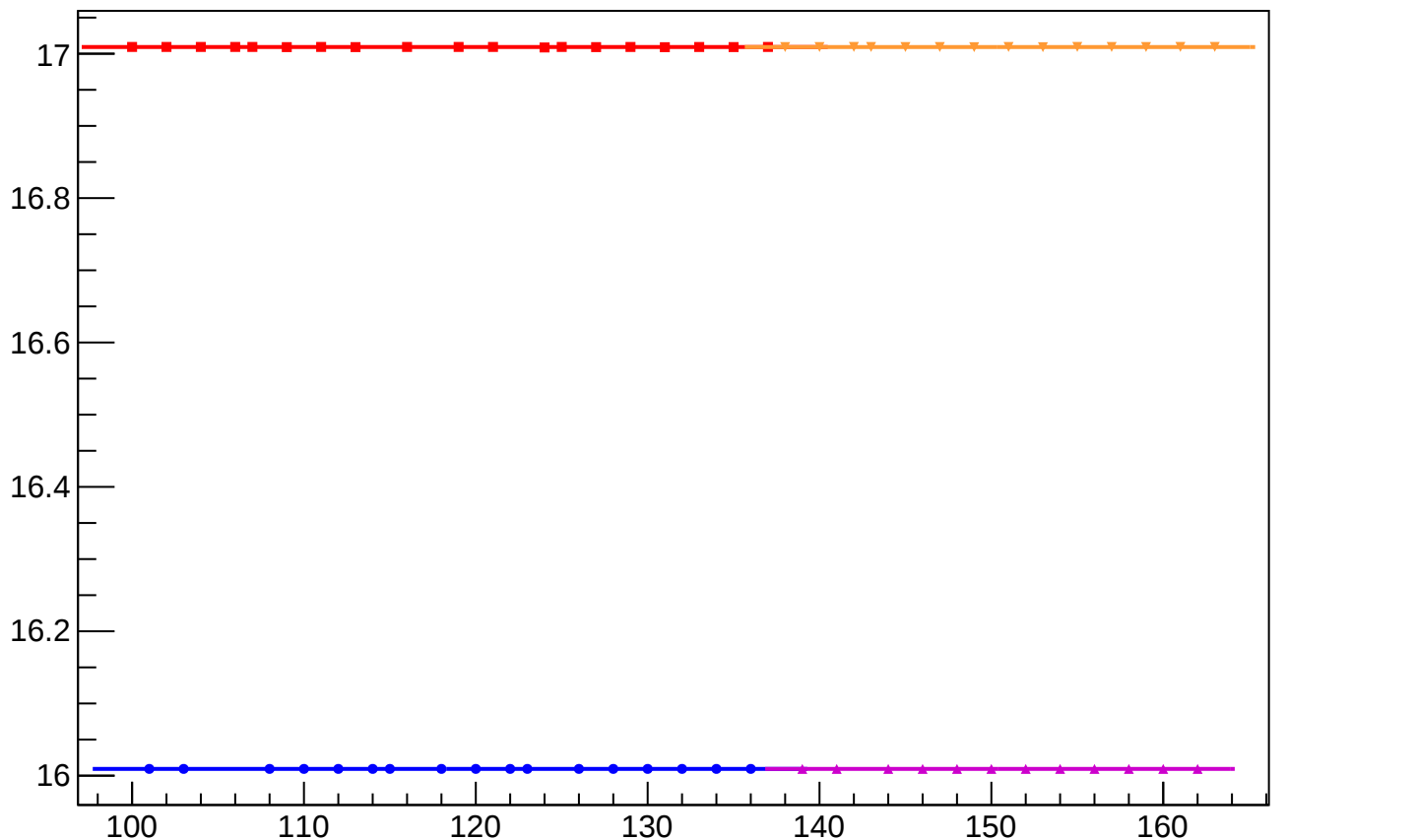
Left In: 88.021+/-0.000

χ^2/NDF : 1399502.4/11

All: 88.888+/-0.000

χ^2/NDF : 4176458984015

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 44327.7/16

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 13382504132305767798669312.0/13

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12516014336037541461884928.0/18

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 37903.2/11

Left: 16.523 $\pm$ 0.000 χ^2 /NDF: 47802219039273379

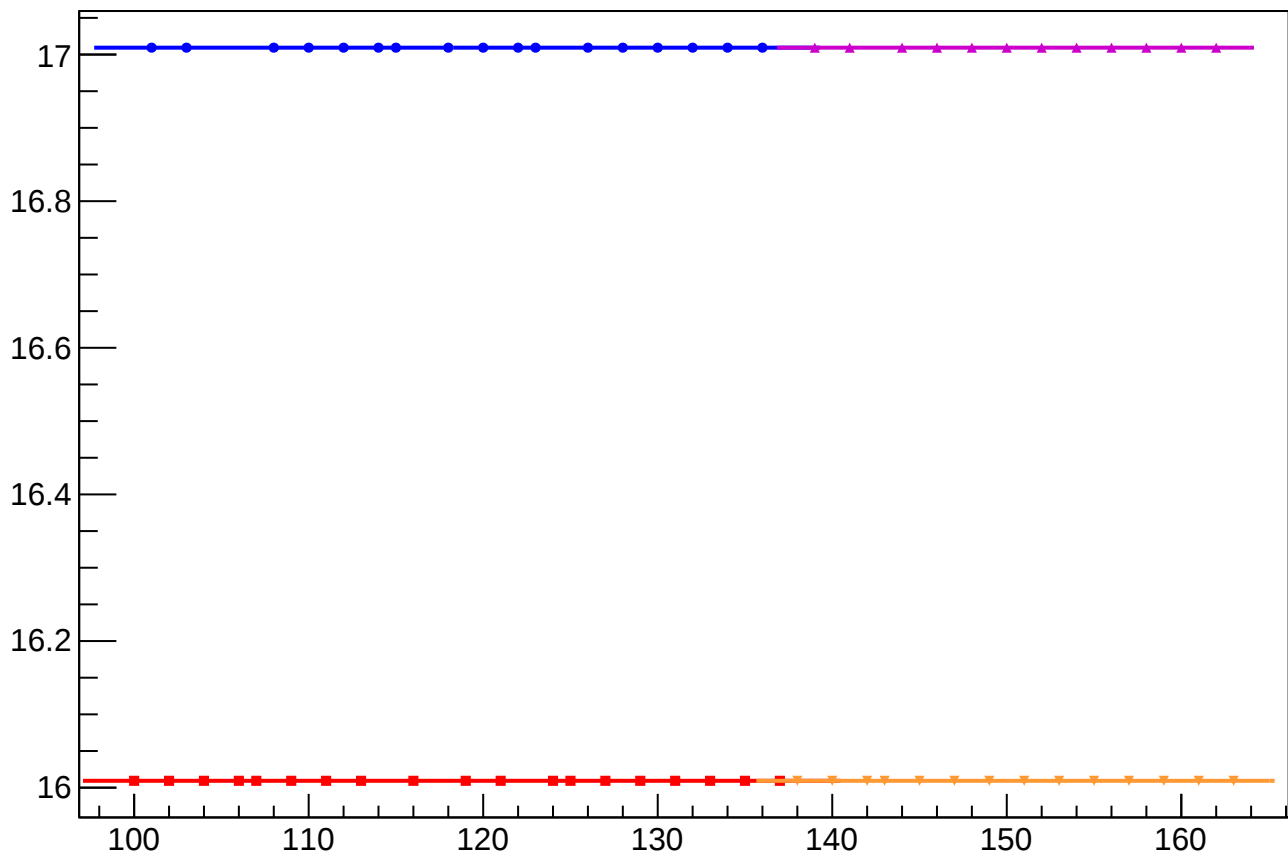
Right: 16.506 $\pm$ 0.000 χ^2 /NDF: 3289281212306816

In: 16.009 $\pm$ 0.000 χ^2 /NDF: 218508.2/28

Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26512914964555761

All: 16.516 $\pm$ 0.000 χ^2 /NDF: 8071652460829

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 40881.9/13

Right Out: 16.009+/-0.000 χ^2/NDF : 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF : 18364.7/11

Left: 16.487+/-0.000 χ^2/NDF : 51524745762709075

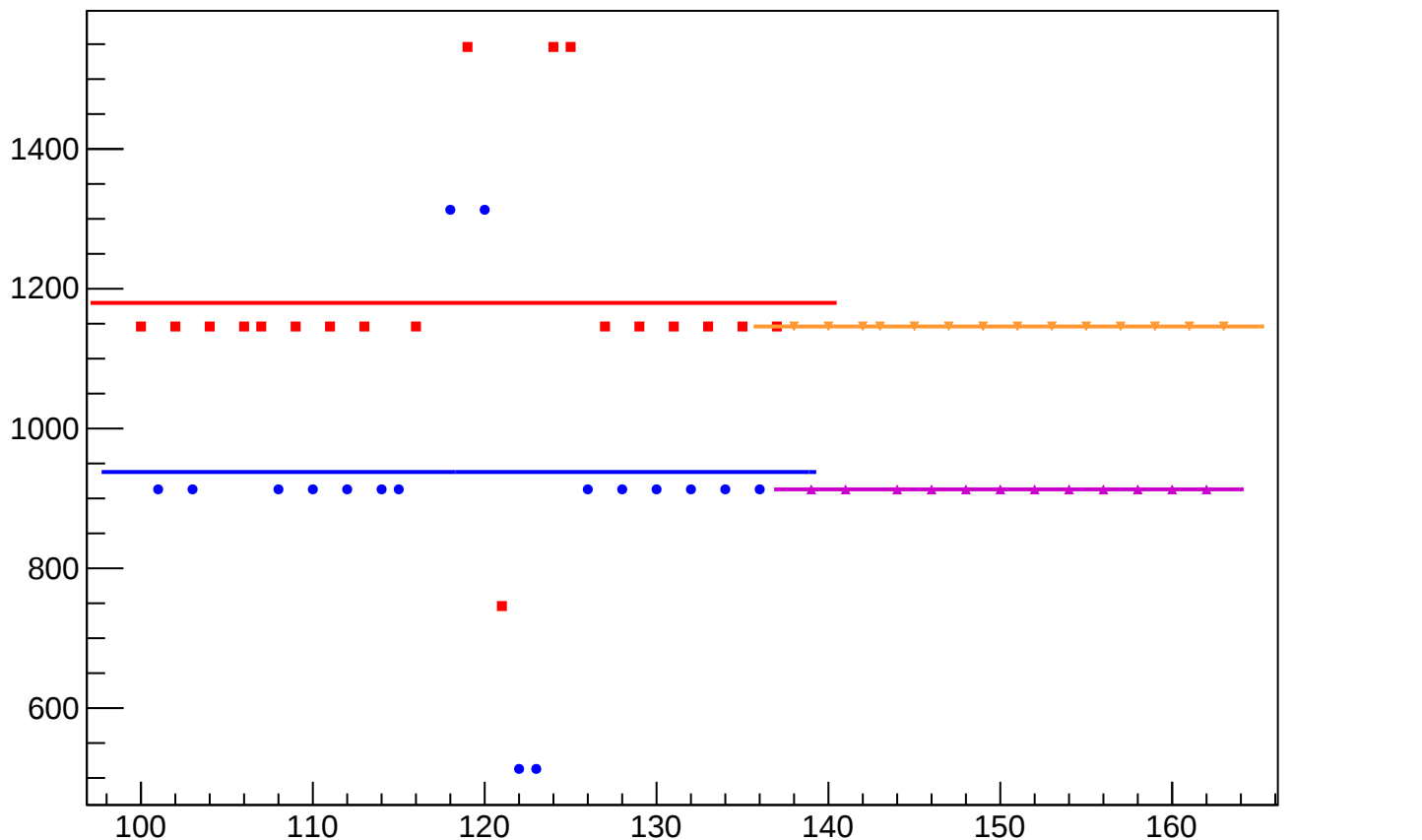
Right: 16.490+/-0.000 χ^2/NDF : 3437400145243126

In: 17.009+/-0.000 χ^2/NDF : 316301.7/28

Out: 16.009+/-0.000 χ^2/NDF : 275179.9/32

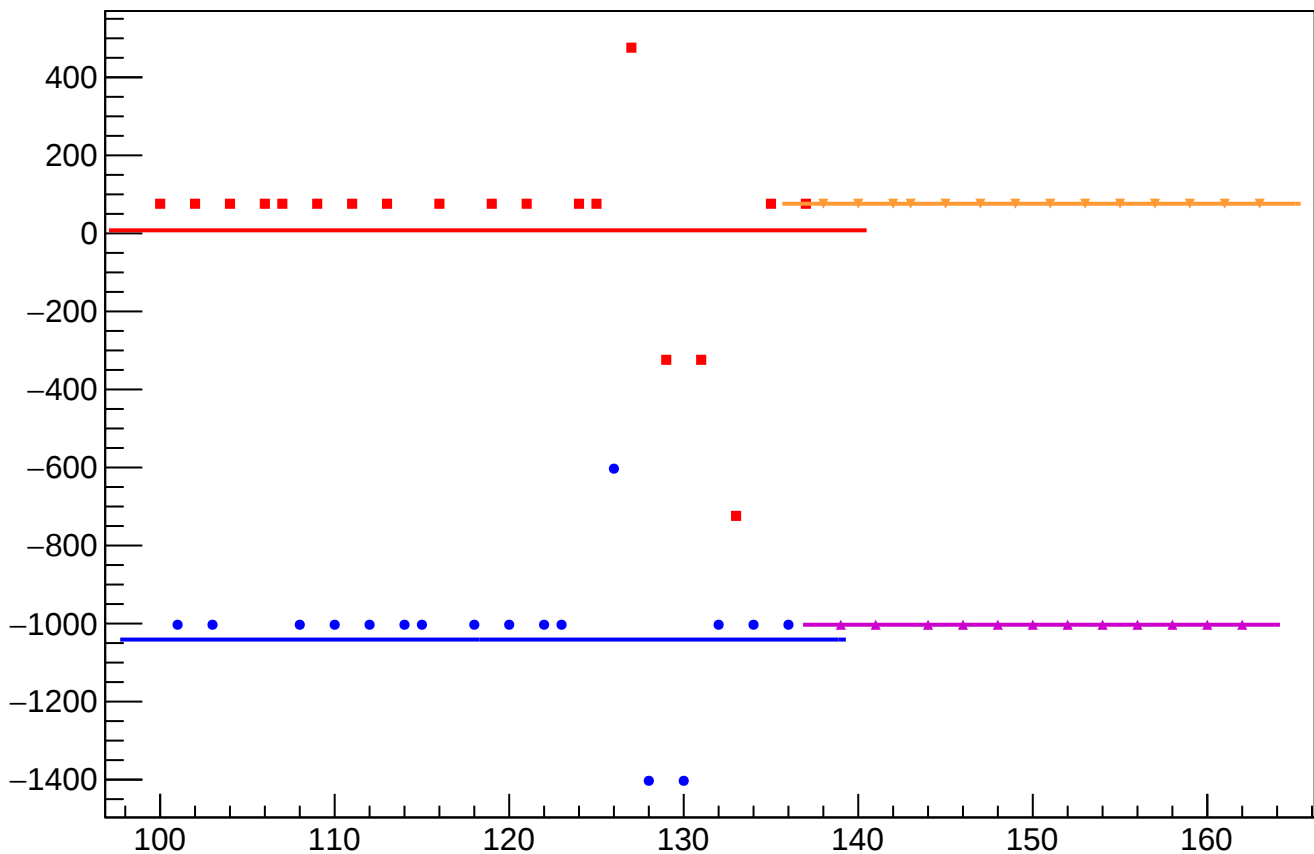
All: 16.488+/-0.000 χ^2/NDF : 8589938988959

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



Left: 1034.364+/-0.000 χ^2/NDF : 282529800324561
 Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16
 Left Out: 1146.011+/-0.000 χ^2/NDF : 3925709817734859488766197760.0/13
 Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18
 Left In: 912.994+/-0.000 χ^2/NDF : 13162467717235277240723308544.0/11
 All: 1045.212+/-0.000 χ^2/NDF : 91858736963

epics_RTPAPOSVCNTs_mean vs Slug, Sign Corrected



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16
 Left Out: 76.011+/-0.000 χ^2/NDF : 9291634271305140342240575488.0/13
 Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18
 Left In: -1002.989+/-0.000 χ^2/NDF : 1307502855883668168323891200.0/11
 All: -467.362+/-0.000 χ^2/NDF : 10652271456