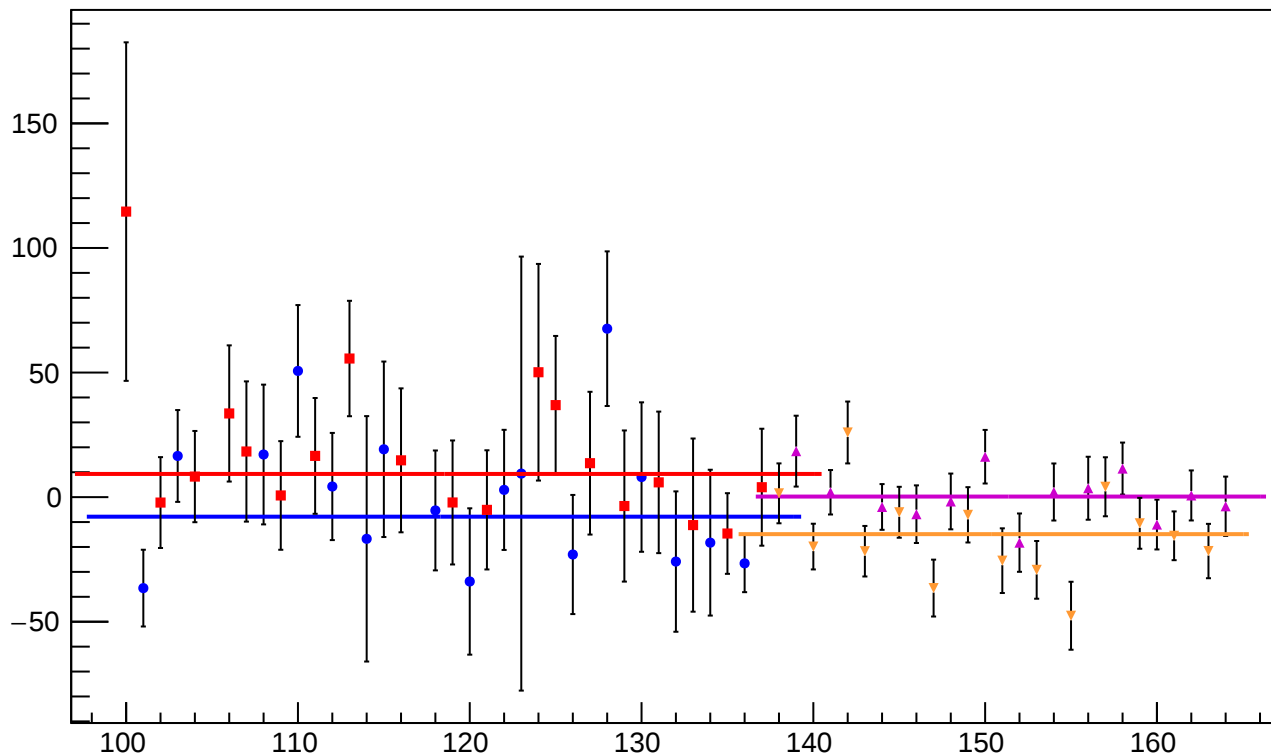


diff_bpm4aX_mean vs Slug, Sign Corrected



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: 0.231 ± 3.003

$\chi^2/\text{NDF}: 9.6/12$

Left: -7.438 ± 2.106

$\chi^2/\text{NDF}: 51.8/26$

Right: 0.629 ± 3.990

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

In: -1.568 ± 2.648

$\chi^2/\text{NDF}: 33.9/29$

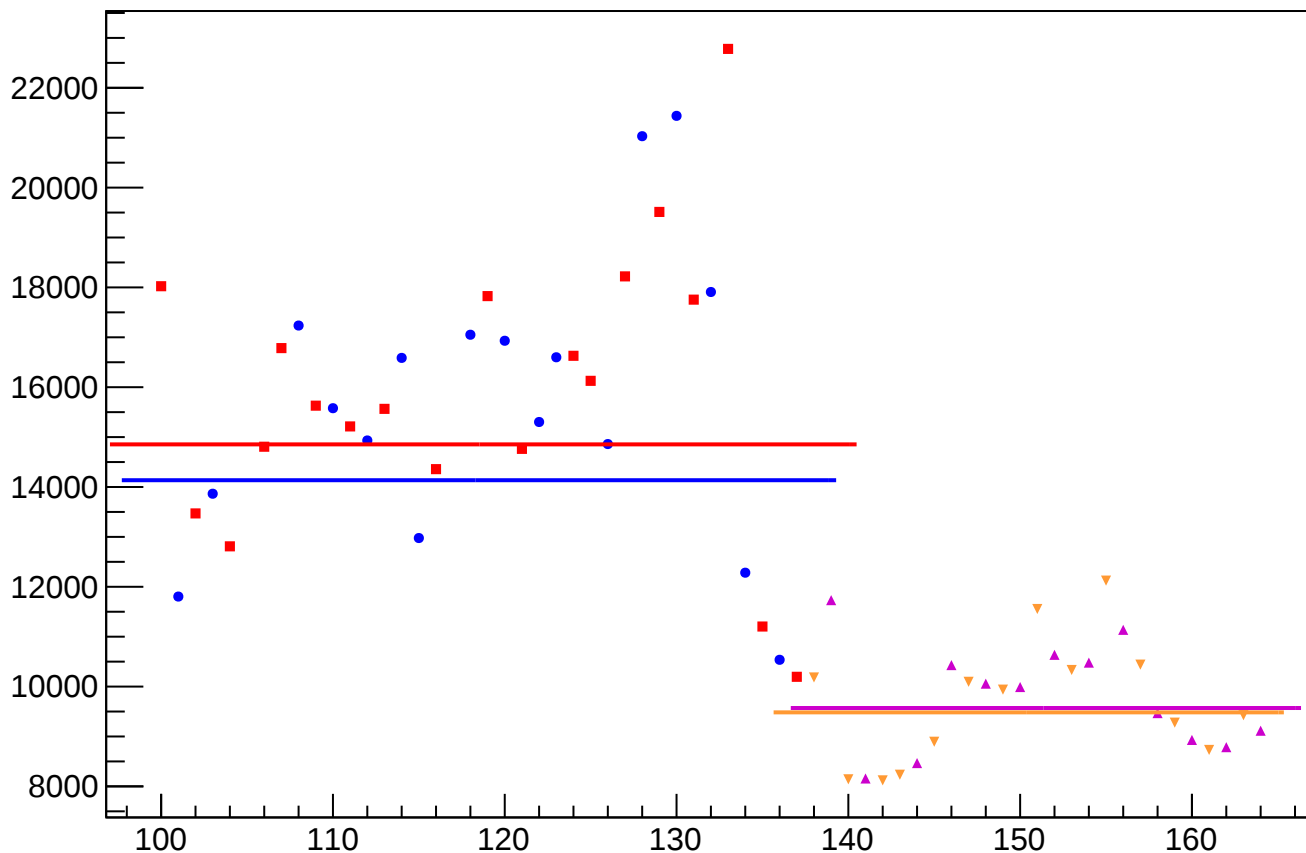
Out: -9.706 ± 2.620

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

All: -5.681 ± 1.862

$\chi^2/\text{NDF}: 95.5/62$

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14135.800 $\pm$ 3.966 χ^2 /NDF: 597179.4/16

Left Out: 9483.310 $\pm$ 2.088 χ^2 /NDF:282175.3/13

Right Out: 14854.033 $\pm$ 4.014 χ^2 /NDF: 472017.6/18

Left In: 9570.583 $\pm$ 2.124 χ^2 /NDF:226673.8/12

Left: 9526.201 $\pm$ 1.489 χ^2 /NDF: 509707.9/26

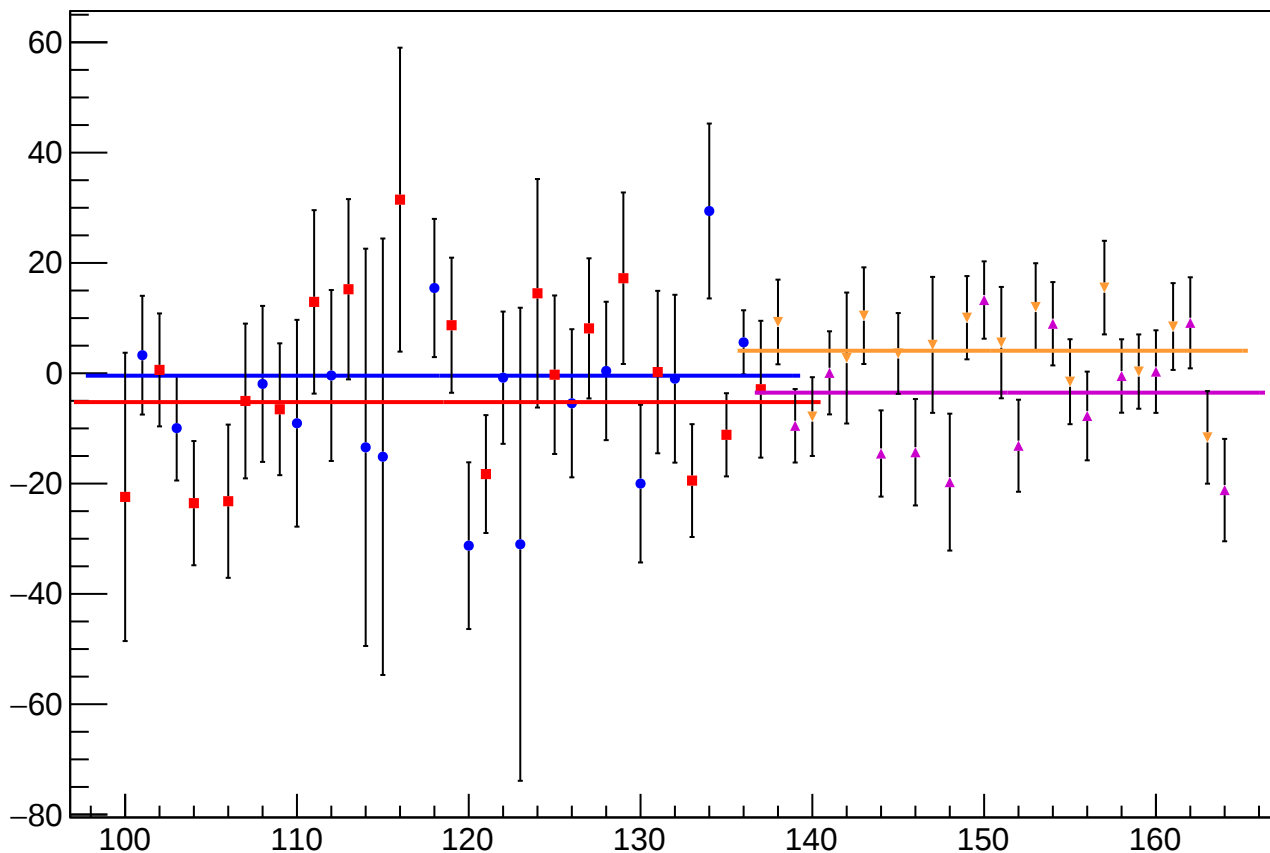
Right: 14490.533 $\pm$ 2.821 χ^2 /NDF: 1085397.6/35

In: 10588.082 $\pm$ 1.872 χ^2 /NDF:1853706.1/29

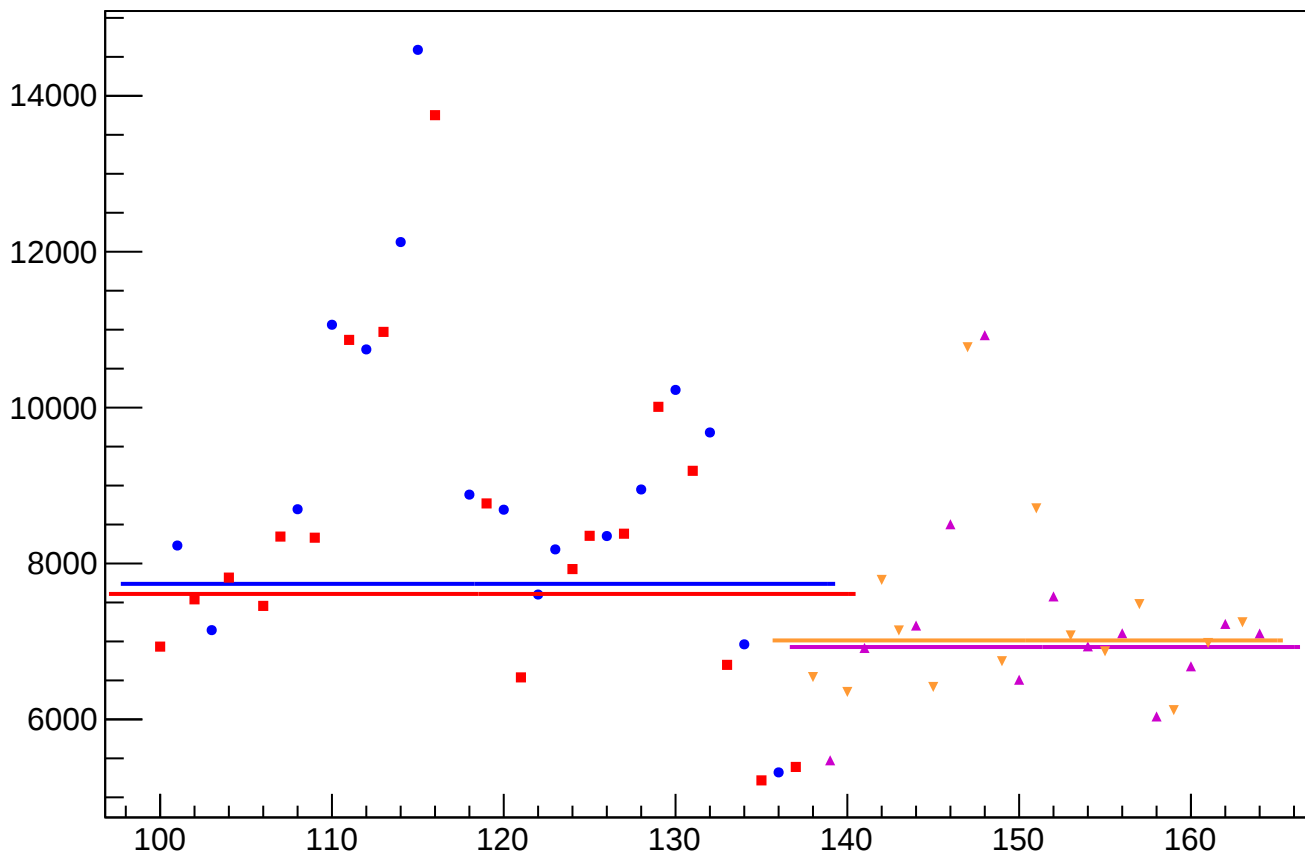
Out: 10626.729 $\pm$ 1.852 χ^2 /NDF:2163015.5/32

All: 10607.612 $\pm$ 1.317 χ^2 /NDF: 4016936.9/66

diff_bpm4aY_mean vs Slug, Sign Corrected



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: 6928.476 $\pm$ 1.550 χ^2/NDF :420385.4/12

Left: 6970.780 $\pm$ 1.096 χ^2/NDF : 757601.7/26

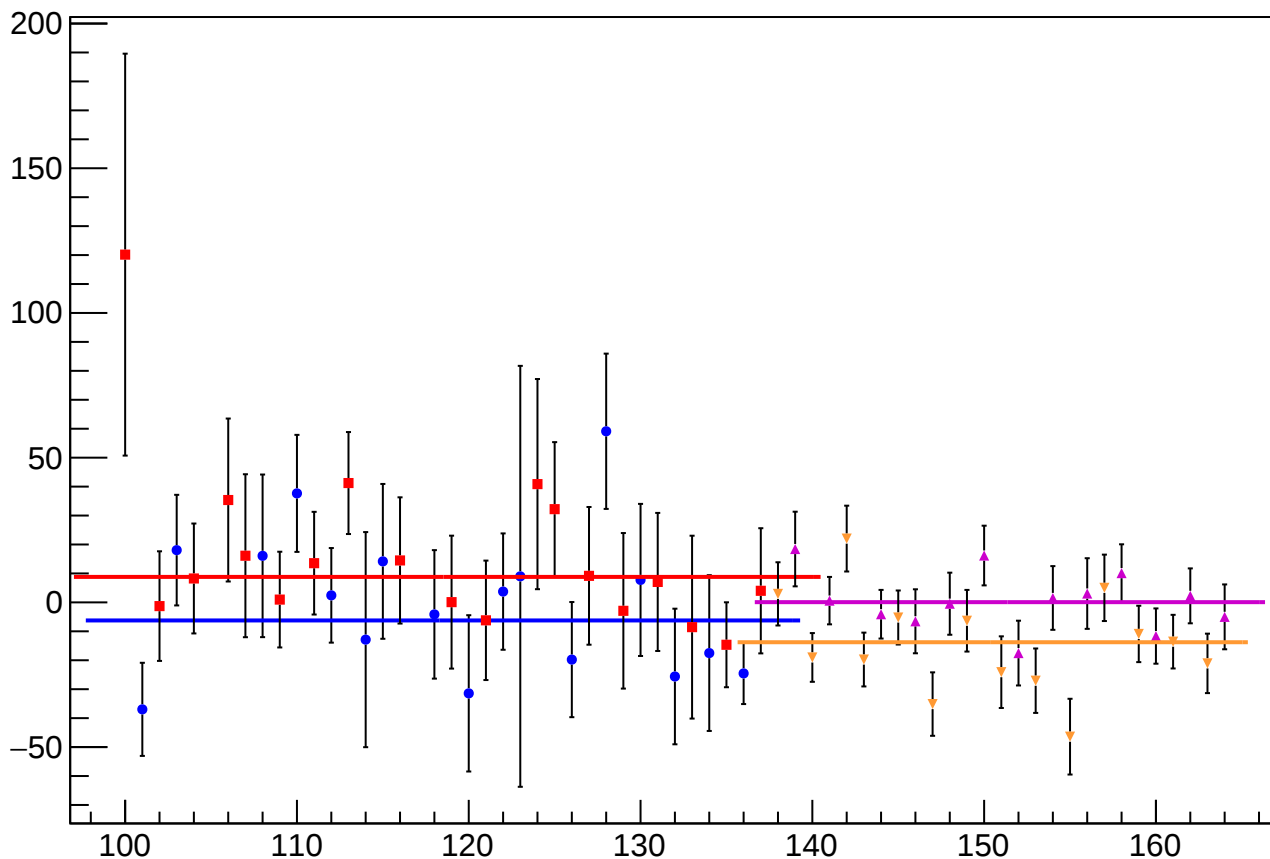
Right: 7671.298 $\pm$ 1.501 χ^2/NDF : 1421871.4/35

In: 7201.980 $\pm$ 1.262 χ^2/NDF :1253492.3/29

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

All: 7214.380 $\pm$ 0.885 χ^2/NDF : 2321621.6/62

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.244 ± 5.017 χ^2/NDF : 23.2/16

Left Out: -13.771 ± 2.773 χ^2/NDF : 29.8/13

Right Out: 8.802 ± 4.999 χ^2/NDF : 13.1/18

Left In: 0.075 ± 2.835 χ^2/NDF : 10.4/12

Left: -7.002 ± 1.982 χ^2/NDF : 52.4/26

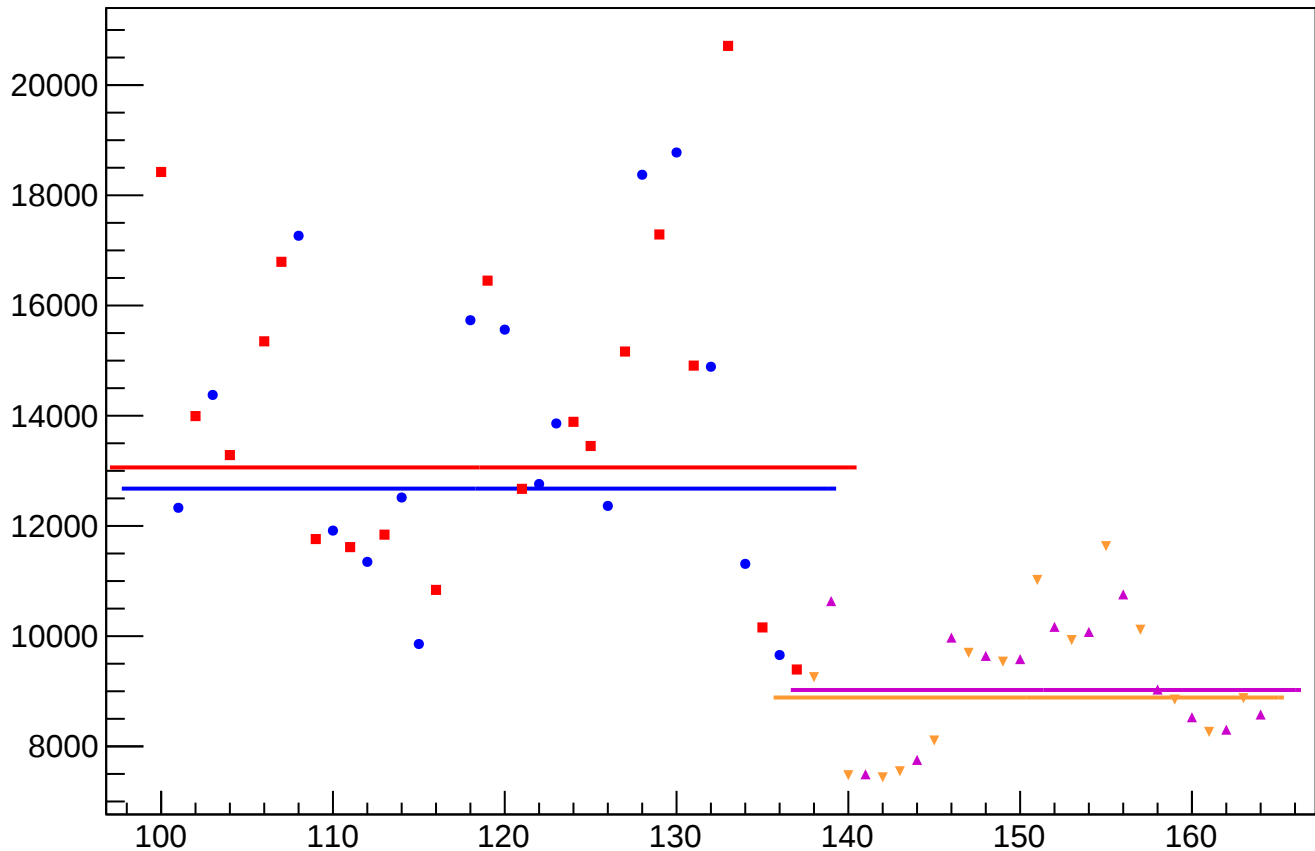
Right: 1.306 ± 3.541 χ^2/NDF : 40.9/35

In: -1.454 ± 2.468 χ^2/NDF : 34.8/29

Out: -8.461 ± 2.425 χ^2/NDF : 58.5/32

All: -5.020 ± 1.730 χ^2/NDF : 97.4/62

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: 9023.342+/-2.005 χ^2/NDF : 273655.1/12

Left: 8953.439+/-1.402 χ^2/NDF : 637791.9/26

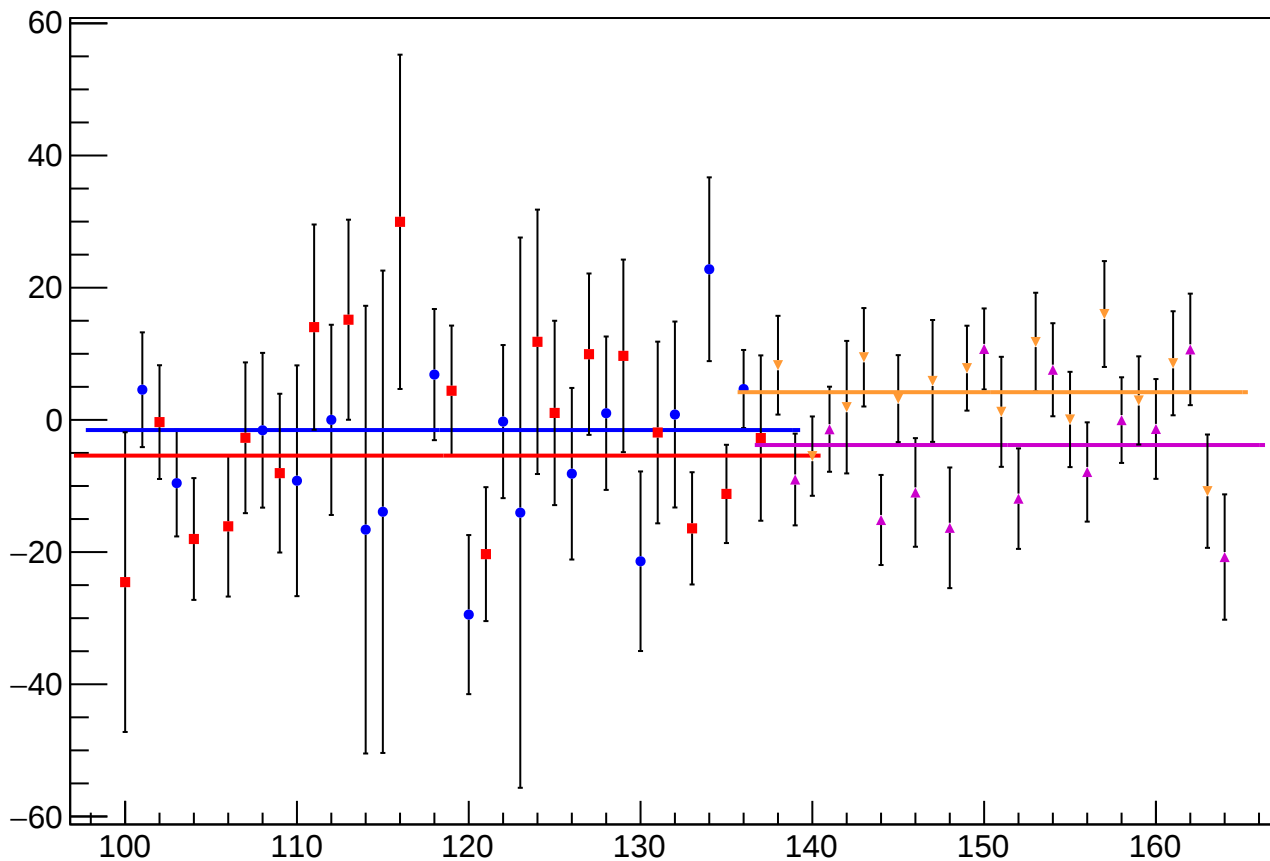
Right: 12870.370+/-2.504 χ^2/NDF : 1056923.6/35

In: 9907.598+/-1.745 χ^2/NDF : 1631411.2/29

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

All: 9887.791+/-1.223 χ^2/NDF : 3557738.0/62

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.538 ± 2.790 χ^2/NDF : 14.8/16

Left Out: 4.192 ± 1.991 χ^2/NDF : 10.9/13

Right Out: -5.405 ± 2.640 χ^2/NDF : 18.6/18

Left In: -3.803 ± 2.035 χ^2/NDF : 22.4/12

Left: 0.280 ± 1.423 χ^2/NDF : 41.1/26

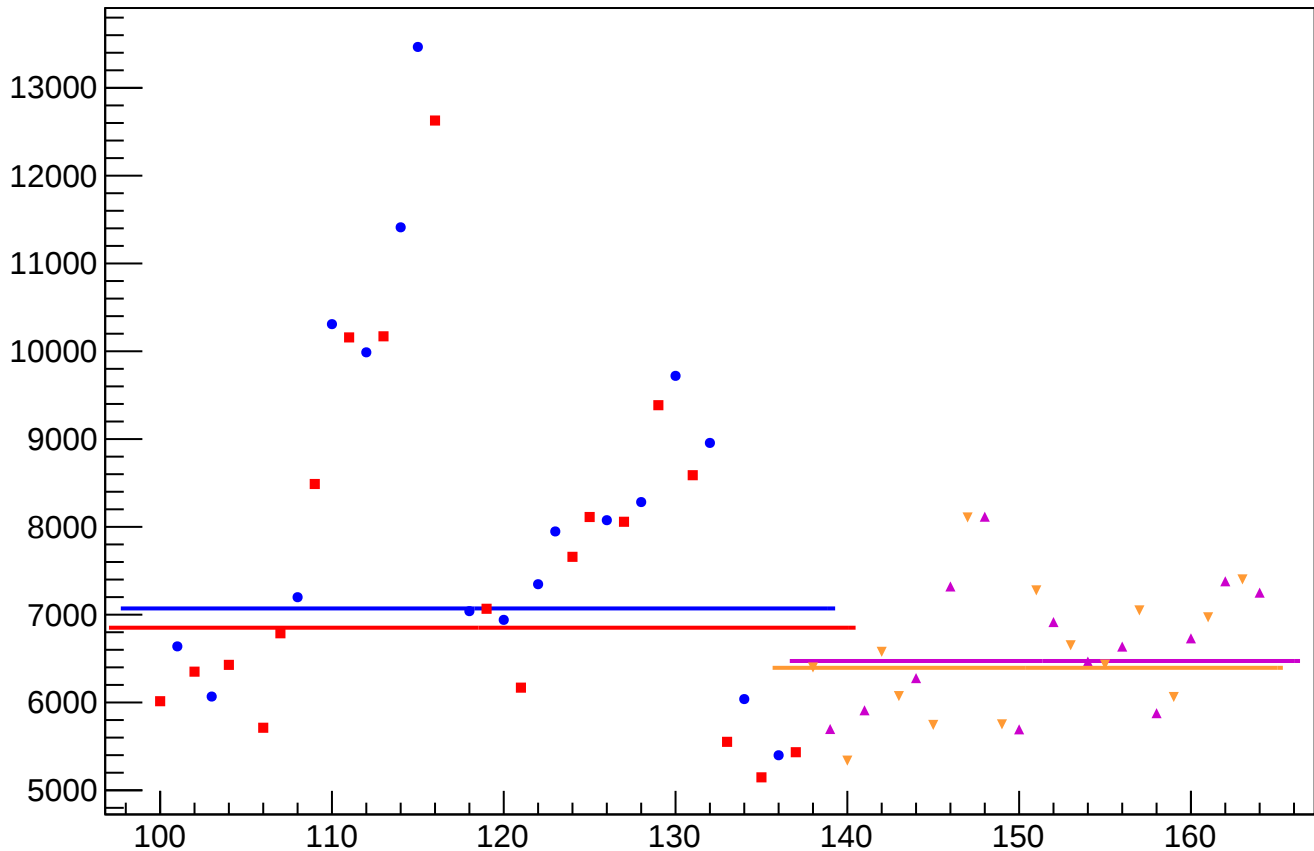
Right: -3.578 ± 1.918 χ^2/NDF : 34.4/35

In: -3.017 ± 1.644 χ^2/NDF : 37.6/29

Out: 0.711 ± 1.590 χ^2/NDF : 37.9/32

All: -1.090 ± 1.143 χ^2/NDF : 78.2/62

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7071.043 $\pm$ 1.973 χ^2 /NDF: 600748.1/16

Left Out: 6394.760 $\pm$ 1.408 χ^2 /NDF: 256502.6/13

Right Out: 6851.604 $\pm$ 1.866 χ^2 /NDF: 684398.7/18

Left In: 6472.487 $\pm$ 1.439 χ^2 /NDF: 223739.7/12

Left: 6432.788 $\pm$ 1.006 χ^2 /NDF: 481733.2/26

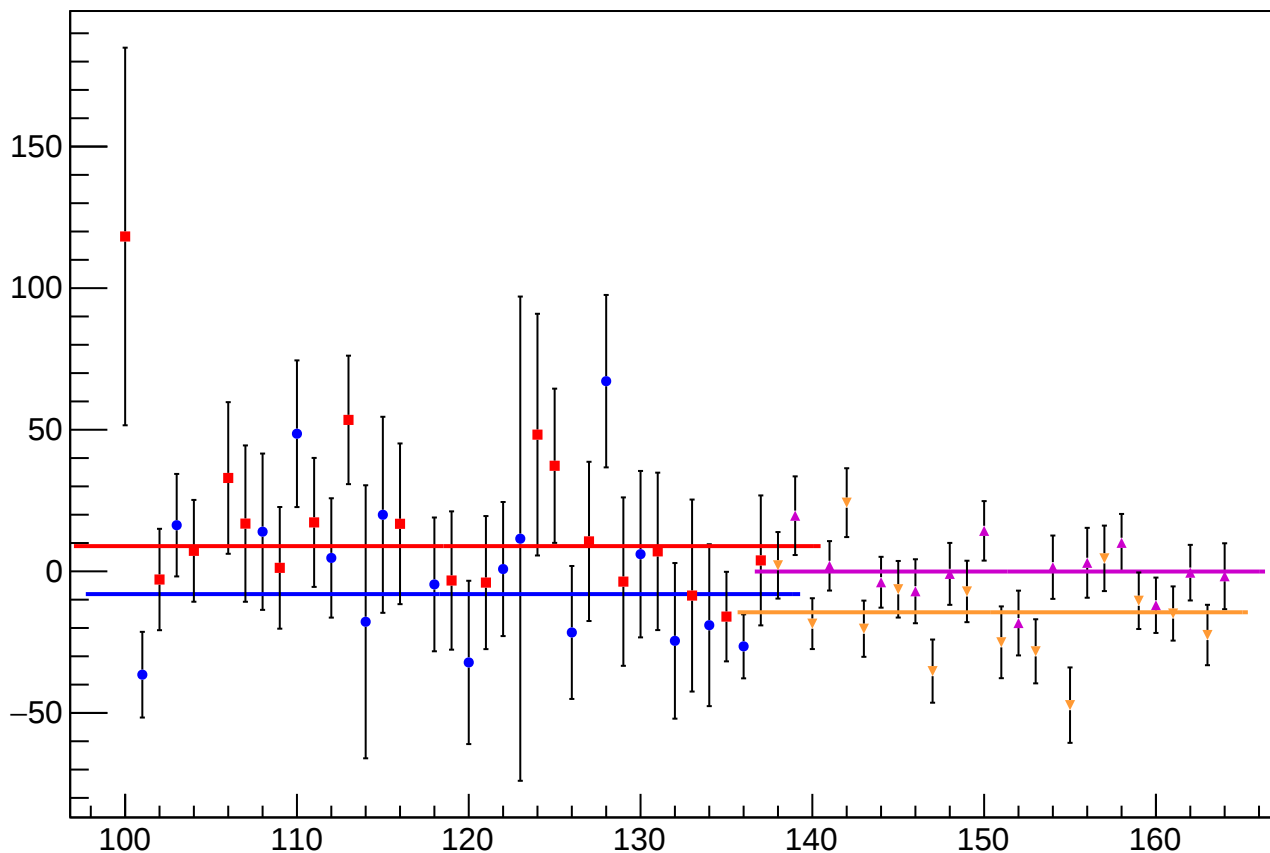
Right: 6955.236 $\pm$ 1.356 χ^2 /NDF: 1291674.4/35

In: 6680.243 $\pm$ 1.162 χ^2 /NDF: 884572.6/29

Out: 6560.448 $\pm$ 1.124 χ^2 /NDF: 979081.6/32

All: 6618.335 $\pm$ 0.808 χ^2 /NDF: 1869142.5/62

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: -0.066 ± 2.936 $\chi^2/\text{NDF}: 9.6/12$

Left: -7.383 ± 2.058 $\chi^2/\text{NDF}: 50.8/26$

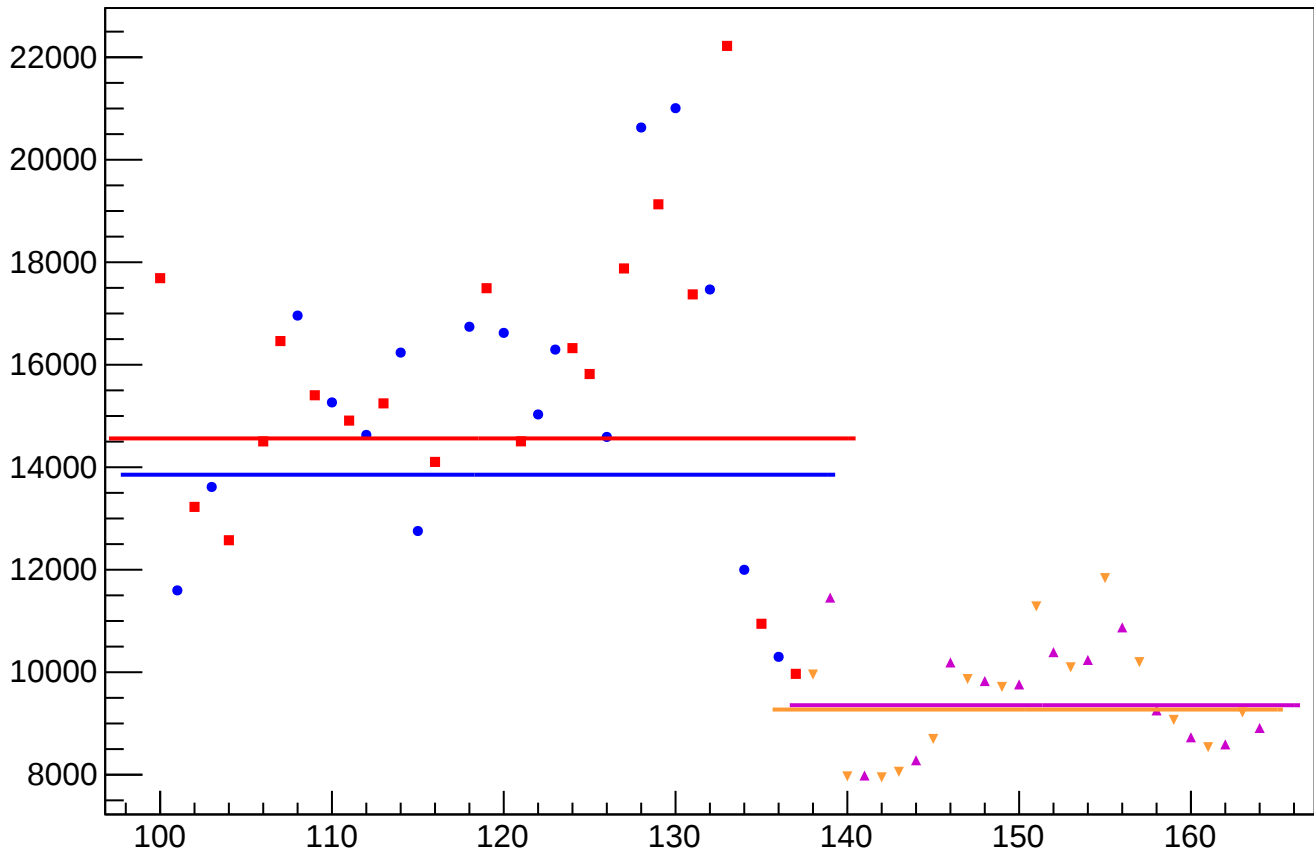
Right: 0.330 ± 3.911 $\chi^2/\text{NDF}: 41.0/35$

In: -1.835 ± 2.590 $\chi^2/\text{NDF}: 33.8/29$

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

All: -5.711 ± 1.821 $\chi^2/\text{NDF}: 94.8/62$

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: 9356.018+/-2.076 χ^2/NDF : 223959.6/12

Left: 9313.271+/-1.455 χ^2/NDF : 503739.0/26

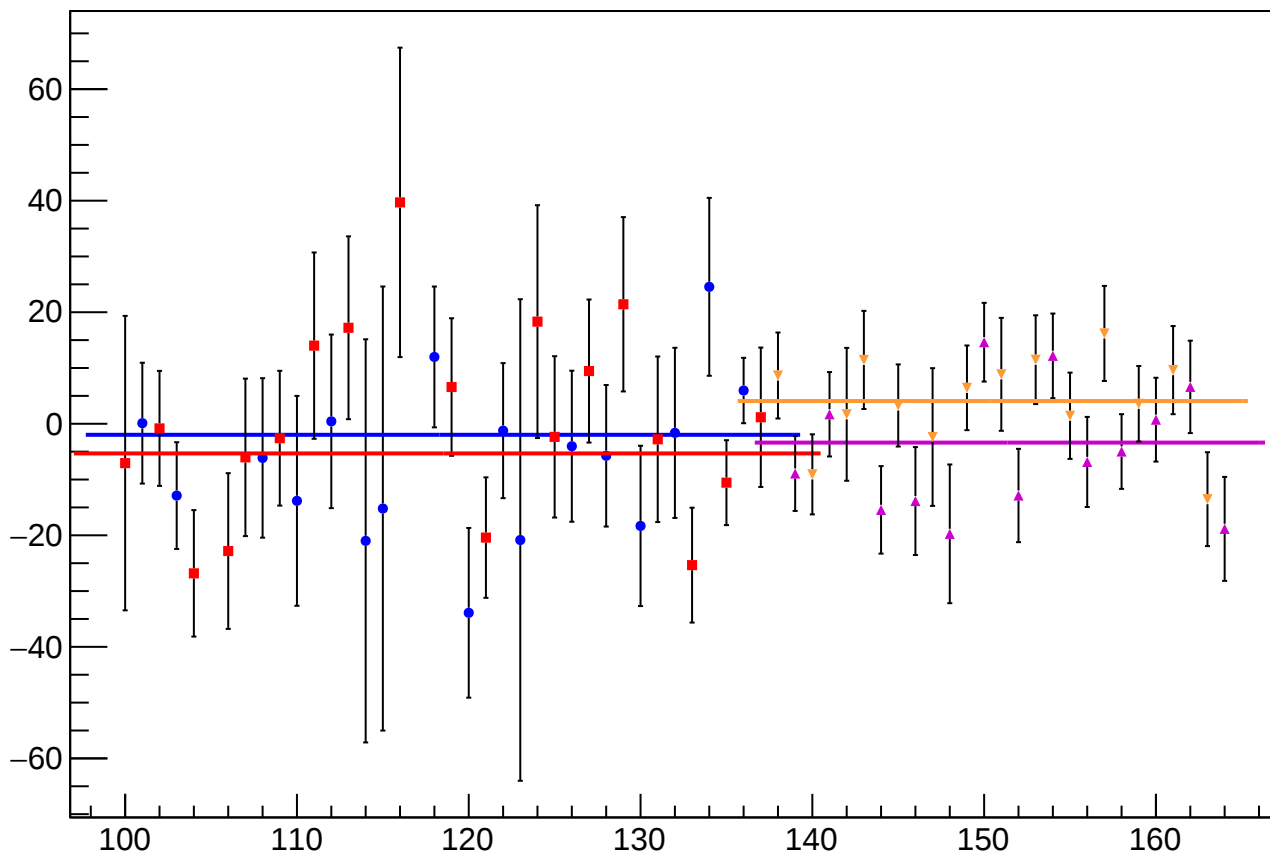
Right: 14203.845+/-2.766 χ^2/NDF : 1091628.8/35

In: 10354.233+/-1.831 χ^2/NDF : 1866797.2/29

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

All: 10373.873+/-1.288 χ^2/NDF : 4044072.2/60

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.978 ± 3.094 χ^2/NDF : 14.0/16

Left Out: 4.079 ± 2.201 χ^2/NDF : 12.9/13

Right Out: -5.318 ± 2.959 χ^2/NDF : 24.3/18

Left In: -3.377 ± 2.202 χ^2/NDF : 23.1/12

Left: 0.354 ± 1.557 χ^2/NDF : 41.8/26

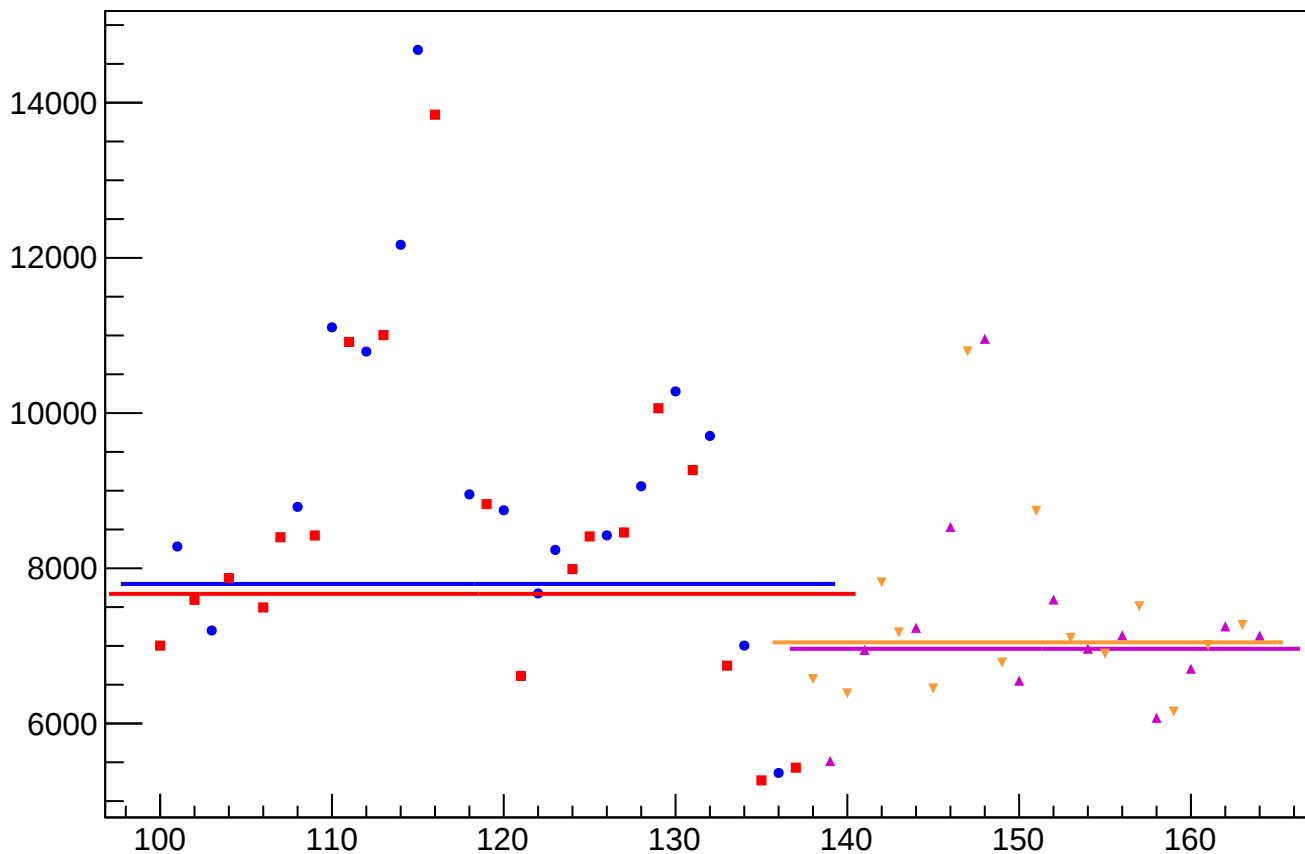
Right: -3.723 ± 2.138 χ^2/NDF : 39.0/35

In: -2.906 ± 1.794 χ^2/NDF : 37.3/29

Out: 0.732 ± 1.766 χ^2/NDF : 43.7/32

All: -1.058 ± 1.258 χ^2/NDF : 83.1/62

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7798.267 $\pm$ 2.188 χ^2/NDF : 736283.6/16

Left Out: 7045.620 $\pm$ 1.556 χ^2/NDF : 331981.4/13

Right Out: 7670.584 $\pm$ 2.092 χ^2/NDF : 672691.0/18

Left In: 6962.330 $\pm$ 1.557 χ^2/NDF : 414141.4/12

Left: 7004.004 $\pm$ 1.101 χ^2/NDF : 747554.5/26

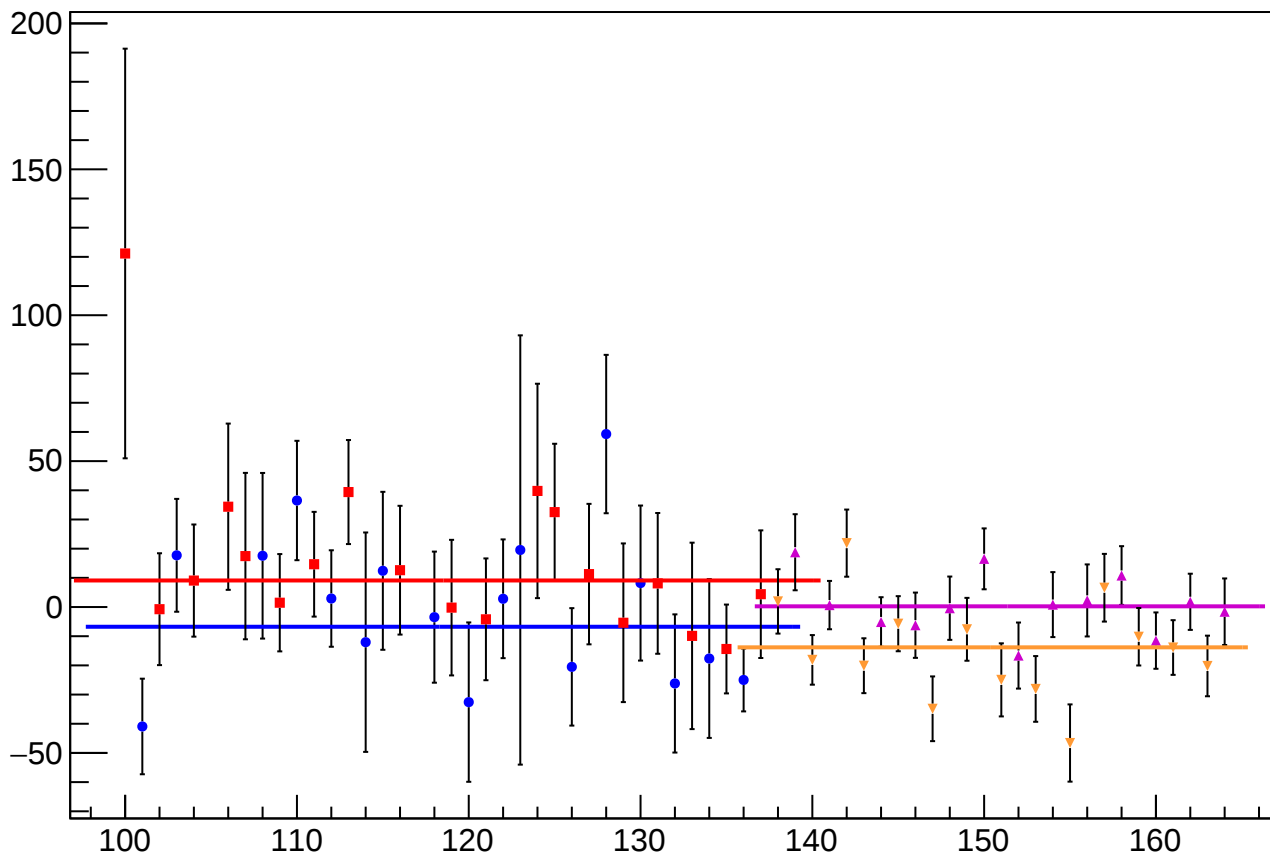
Right: 7731.569 $\pm$ 1.512 χ^2/NDF : 1410753.9/35

In: 7243.404 $\pm$ 1.269 χ^2/NDF : 1247333.4/29

Out: 7268.219 $\pm$ 1.249 χ^2/NDF : 1062132.0/32

All: 7256.010 $\pm$ 0.890 χ^2/NDF : 2309659.7/62

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: 0.242 ± 2.869 $\chi^2/\text{NDF}: 10.1/12$

Left: -6.949 ± 2.005 $\chi^2/\text{NDF}: 51.5/26$

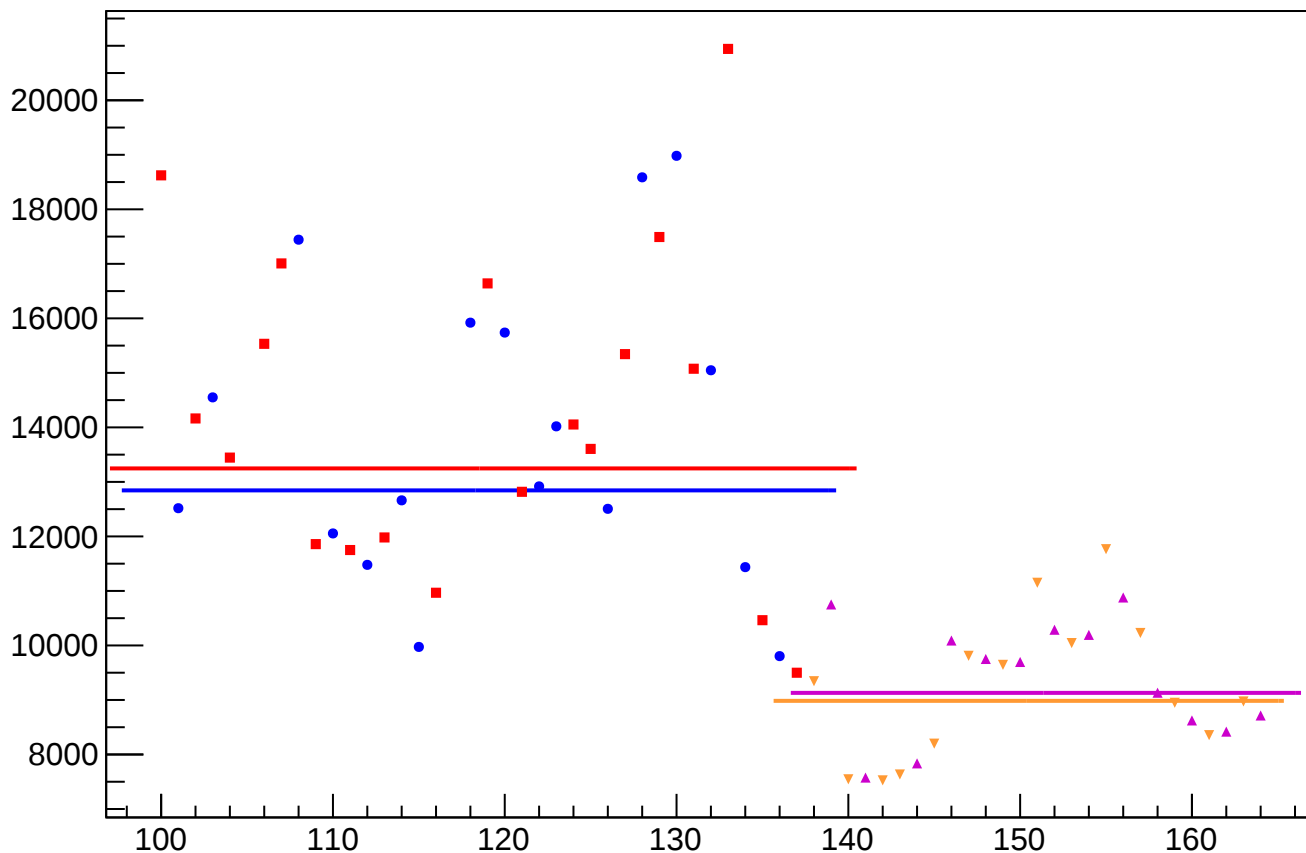
Right: 1.193 ± 3.590 $\chi^2/\text{NDF}: 40.8/35$

In: -1.449 ± 2.499 $\chi^2/\text{NDF}: 35.2/29$

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

All: -5.013 ± 1.750 $\chi^2/\text{NDF}: 96.3/62$

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: 9130.173+/-2.029 χ^2/NDF : 273321.0/12

Left: 9055.351+/-1.418 χ^2/NDF : 639299.1/26

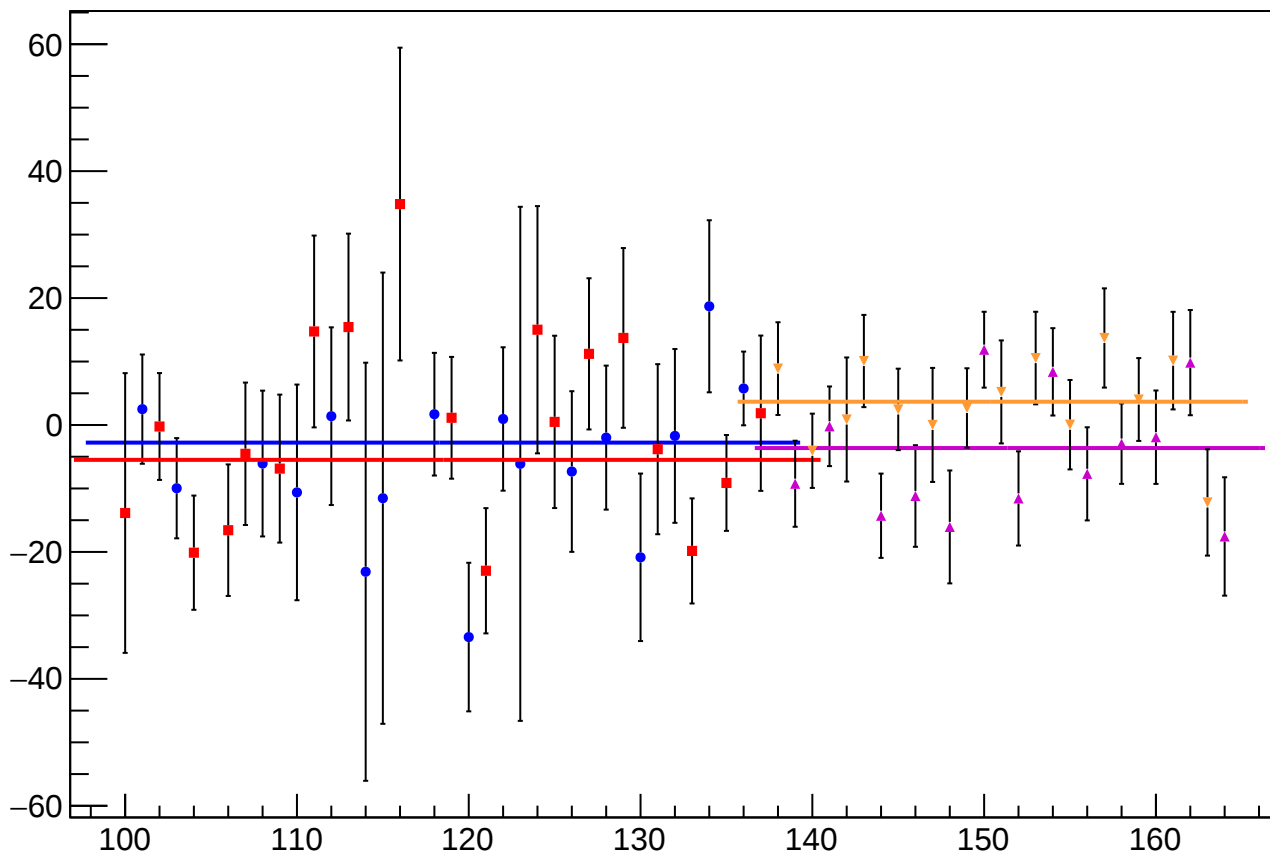
Right: 13046.351+/-2.539 χ^2/NDF : 1039049.9/35

In: 10026.973+/-1.767 χ^2/NDF : 1630059.5/29

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

All: 10003.987+/-1.238 χ^2/NDF : 3562176.9/66

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: -3.630 ± 1.987 χ^2/NDF : 22.6/12

Left: 0.101 ± 1.389 χ^2/NDF : 39.9/26

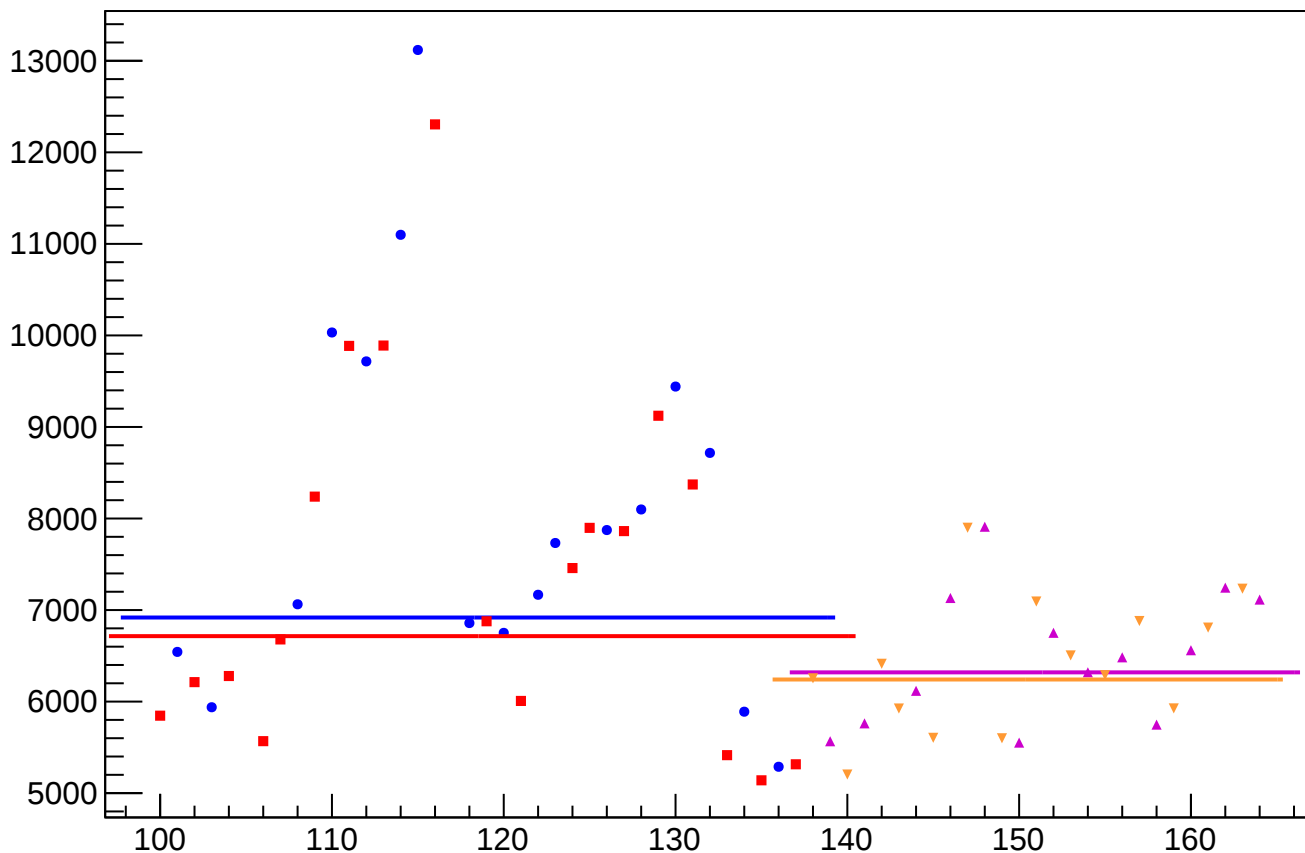
Right: -4.206 ± 1.879 χ^2/NDF : 39.6/35

In: -3.334 ± 1.607 χ^2/NDF : 38.5/29

Out: 0.366 ± 1.554 χ^2/NDF : 41.7/32

All: -1.422 ± 1.117 χ^2/NDF : 82.9/62

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.477+/-1.932 χ^2/NDF : 587039.3/16

Left Out: 6241.270+/-1.374 χ^2/NDF : 257967.3/13

Right Out: 6715.022+/-1.830 χ^2/NDF : 656010.3/18

Left In: 6319.294+/-1.405 χ^2/NDF : 225431.9/12

Left: 6279.421+/-0.982 χ^2/NDF : 484975.4/26

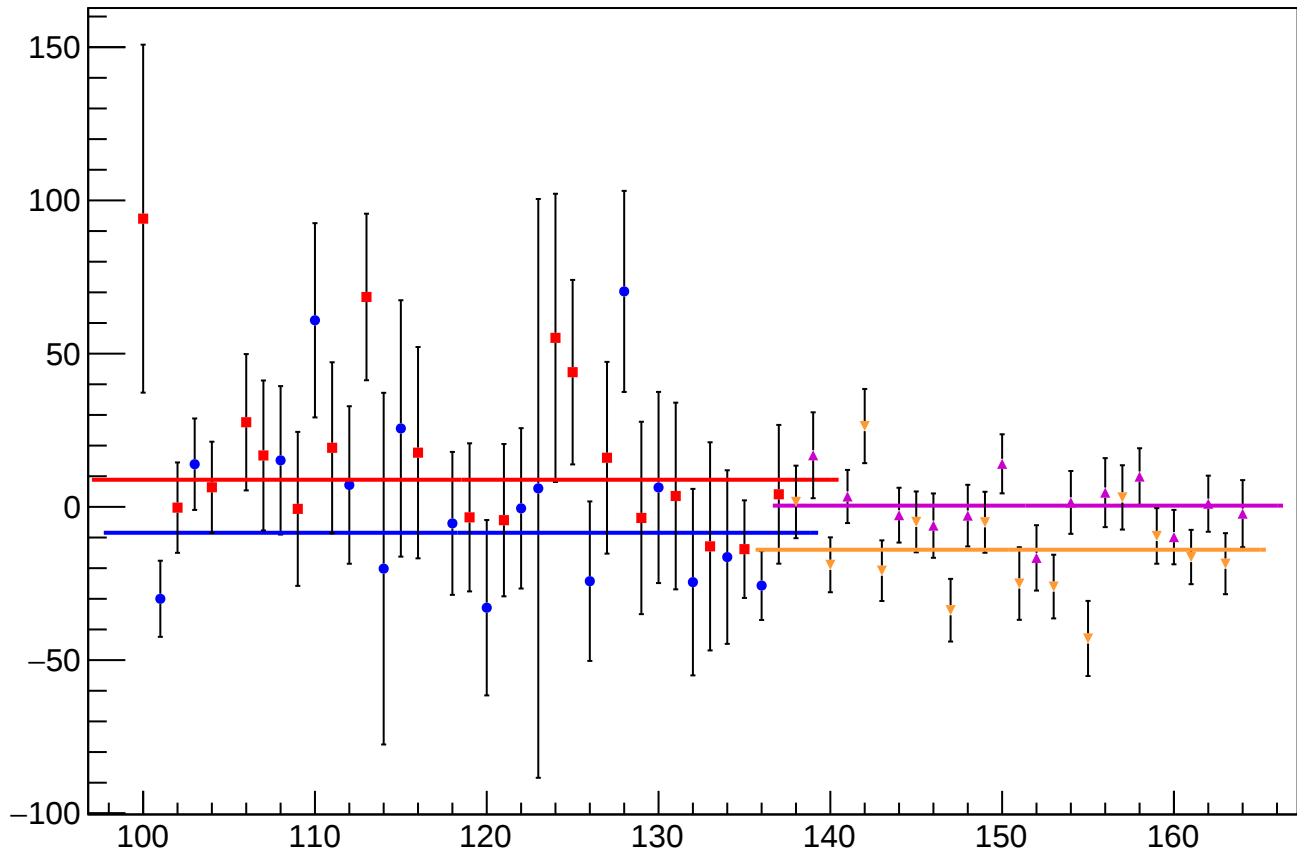
Right: 6811.237+/-1.328 χ^2/NDF : 1248897.6/35

In: 6526.604+/-1.136 χ^2/NDF : 875404.7/29

Out: 6412.149+/-1.099 χ^2/NDF : 956842.6/32

All: 6467.464+/-0.790 χ^2/NDF : 1837490.9/62

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: 0.406 ± 2.758 $\chi^2/\text{NDF}: 9.3/12$

Left: -6.845 ± 1.942 $\chi^2/\text{NDF}: 52.9/26$

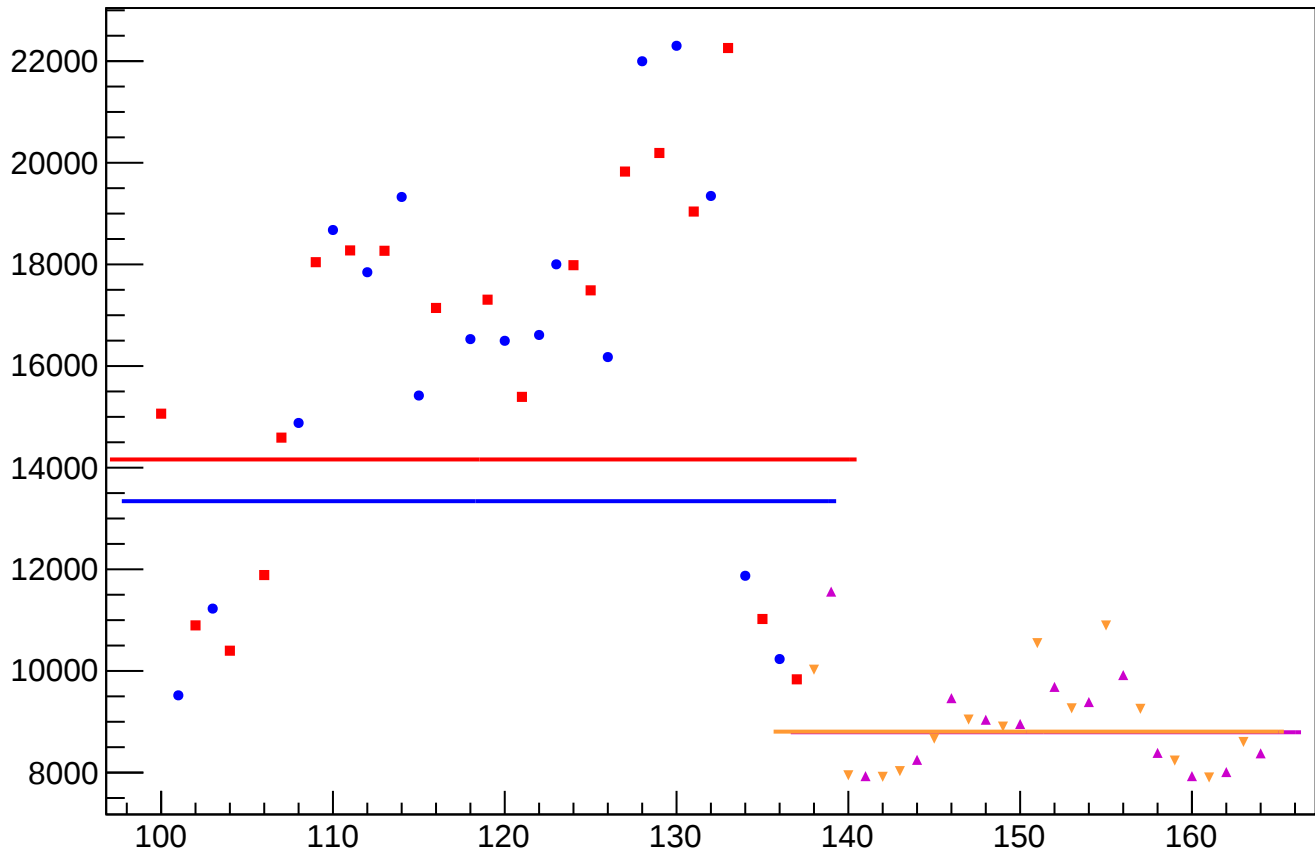
Right: 0.019 ± 3.854 $\chi^2/\text{NDF}: 41.3/35$

In: -1.430 ± 2.455 $\chi^2/\text{NDF}: 33.4/29$

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

All: -5.454 ± 1.734 $\chi^2/\text{NDF}: 96.7/62$

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: 8793.669 $\pm$ 1.950 χ^2/NDF : 196116.3/12

Left: 8799.893 $\pm$ 1.373 χ^2/NDF : 398885.3/26

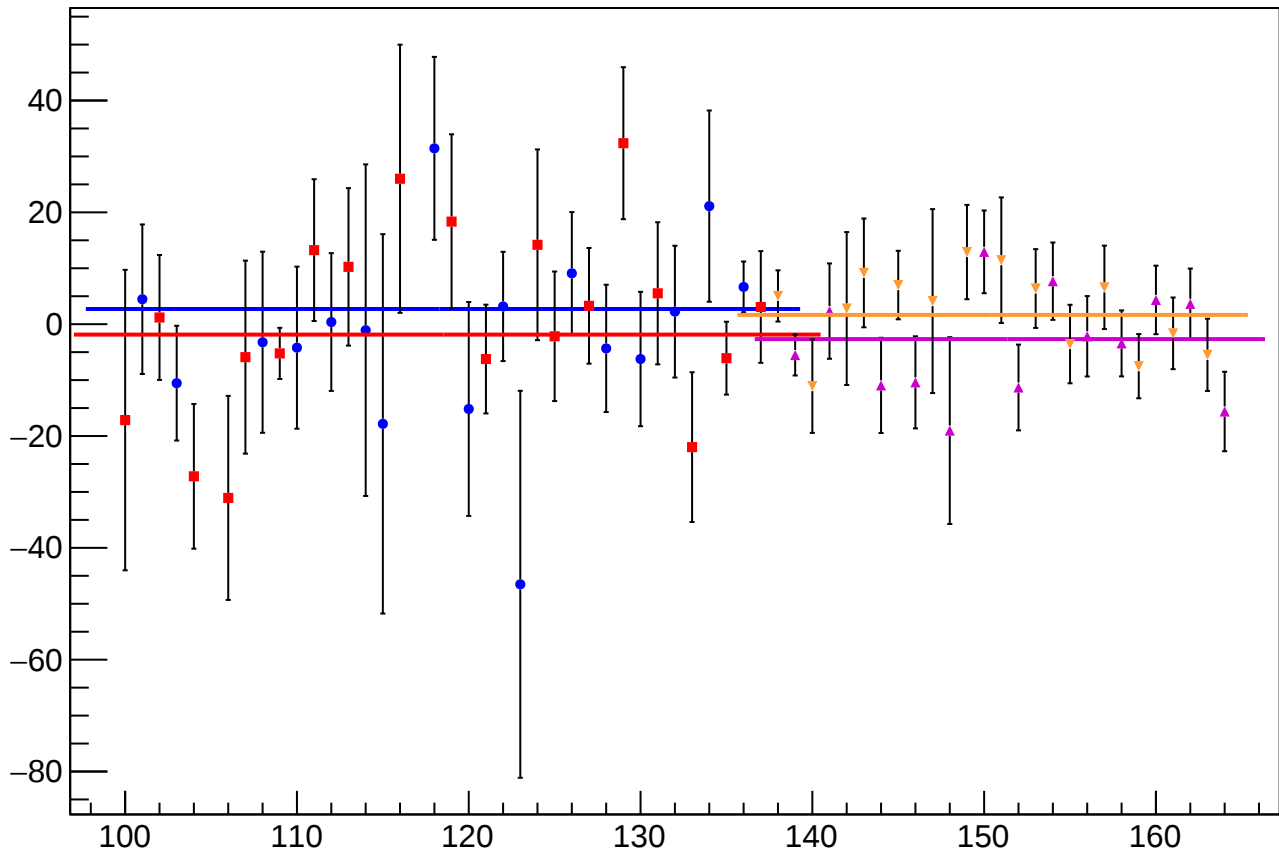
Right: 13742.695 $\pm$ 2.725 χ^2/NDF : 1999035.6/35

In: 9736.373 $\pm$ 1.736 χ^2/NDF : 2367850.4/29

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

All: 9801.235 $\pm$ 1.226 χ^2/NDF : 5021781.5/62

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: -2.669 ± 1.836 $\chi^2/\text{NDF}: 17.3/12$

Left: -0.617 ± 1.332 $\chi^2/\text{NDF}: 32.2/26$

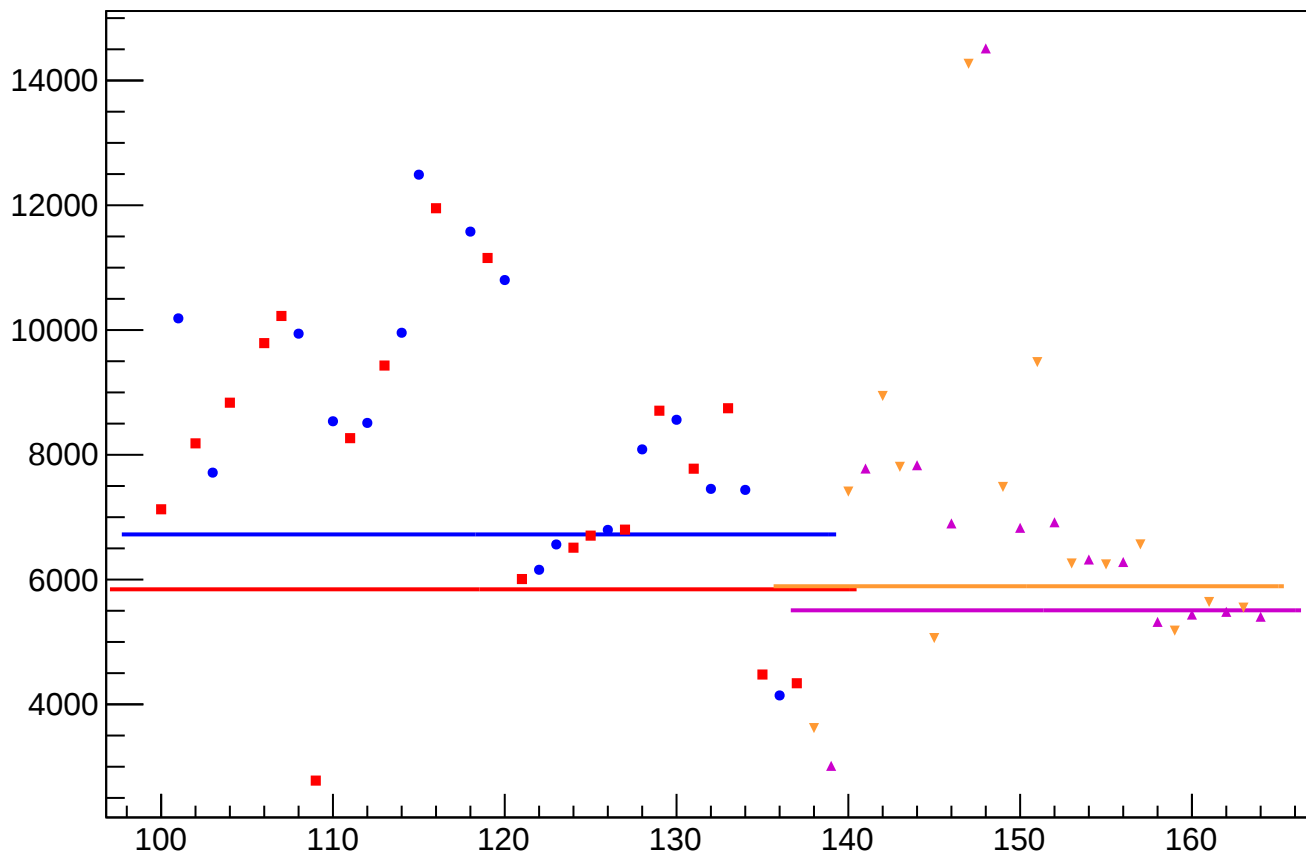
Right: 0.153 ± 1.825 $\chi^2/\text{NDF}: 36.7/35$

In: -1.010 ± 1.528 $\chi^2/\text{NDF}: 31.6/29$

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

All: -0.349 ± 1.076 $\chi^2/\text{NDF}: 69.1/62$

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: 5507.162+/-1.299

χ^2/NDF : 2045405.7/12

Left: 5690.114+/-0.942

χ^2/NDF : 3720071.6/26

Right: 6230.943+/-1.291

χ^2/NDF : 3783849.2/35

In: 5882.010+/-1.080

χ^2/NDF : 3707961.4/29

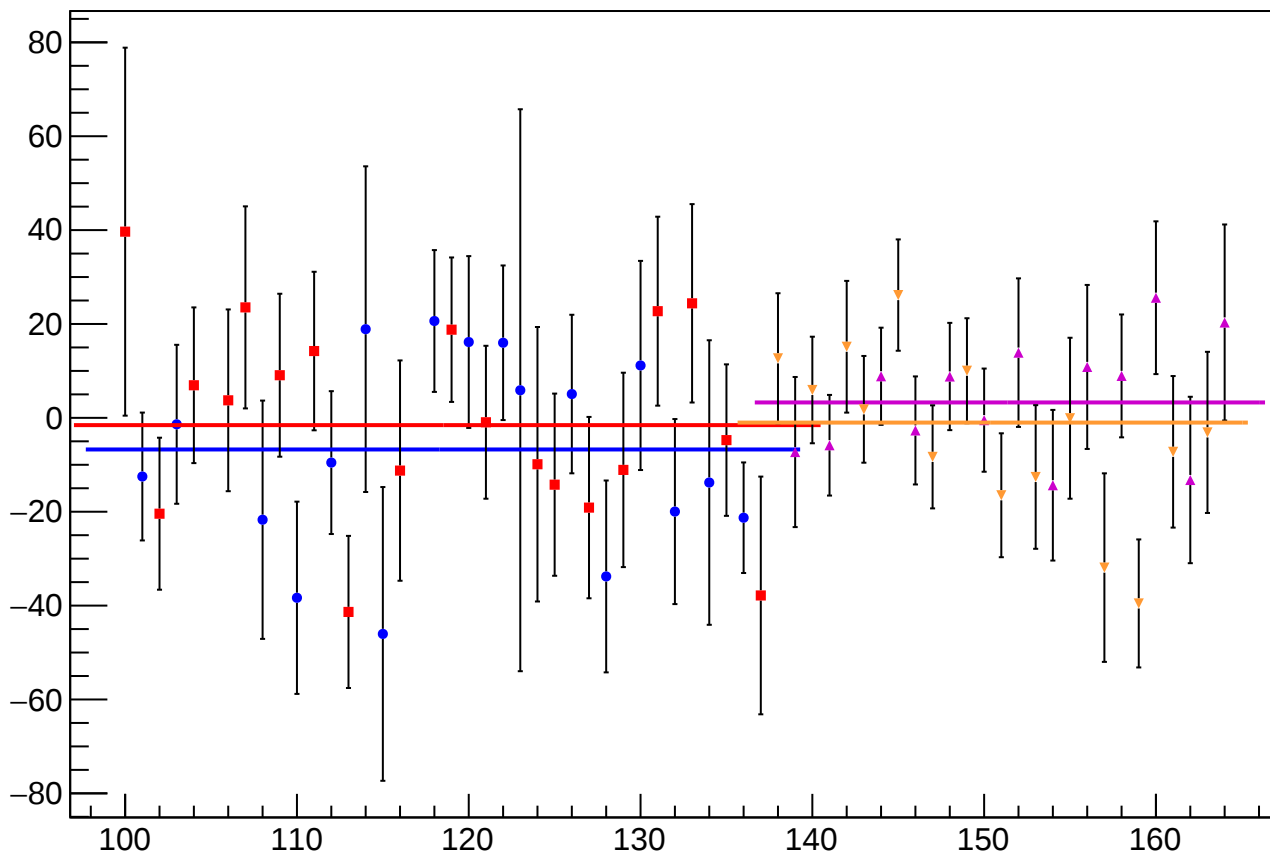
Out: 5874.082+/-1.072

χ^2/NDF : 3910515.1/32

All: 5878.014+/-0.761

χ^2/NDF : 7618503.6/62

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -6.736+/-4.513 χ^2/NDF : 16.9/16

Left Out: -1.009+/-3.588 χ^2/NDF : 21.9/13

Right Out: -1.549+/-4.372 χ^2/NDF : 20.0/18

Left In: 3.281+/-3.735 χ^2/NDF : 7.5/12

Left: 1.050+/-2.588 χ^2/NDF : 30.1/26

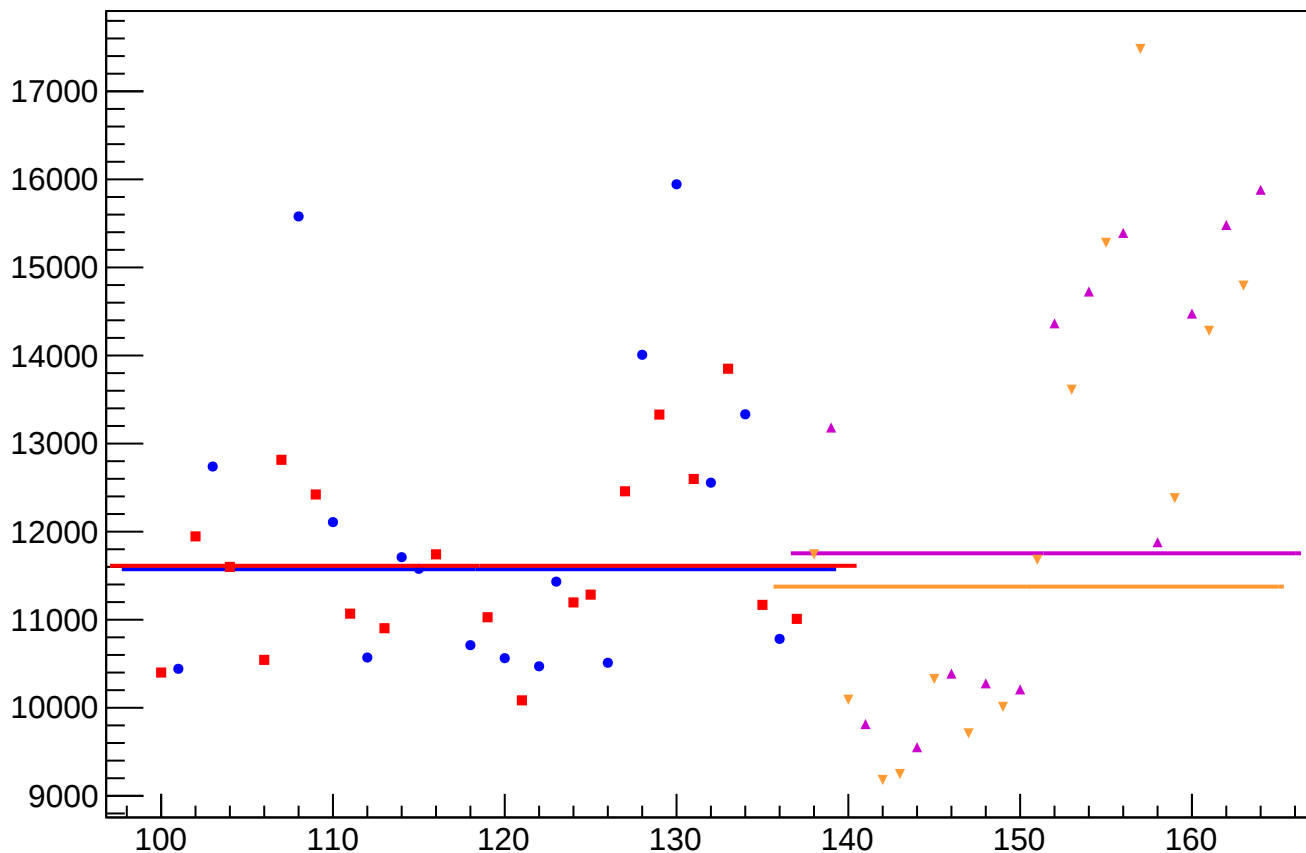
Right: -4.061+/-3.140 χ^2/NDF : 37.5/35

In: -0.792+/-2.878 χ^2/NDF : 27.3/29

Out: -1.227+/-2.774 χ^2/NDF : 41.8/32

All: -1.017+/-1.997 χ^2/NDF : 69.2/62

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: 11754.038+/-2.641 χ^2/NDF : 705511.9/12

Left: 11557.233+/-1.830 χ^2/NDF : 1440830.3/26

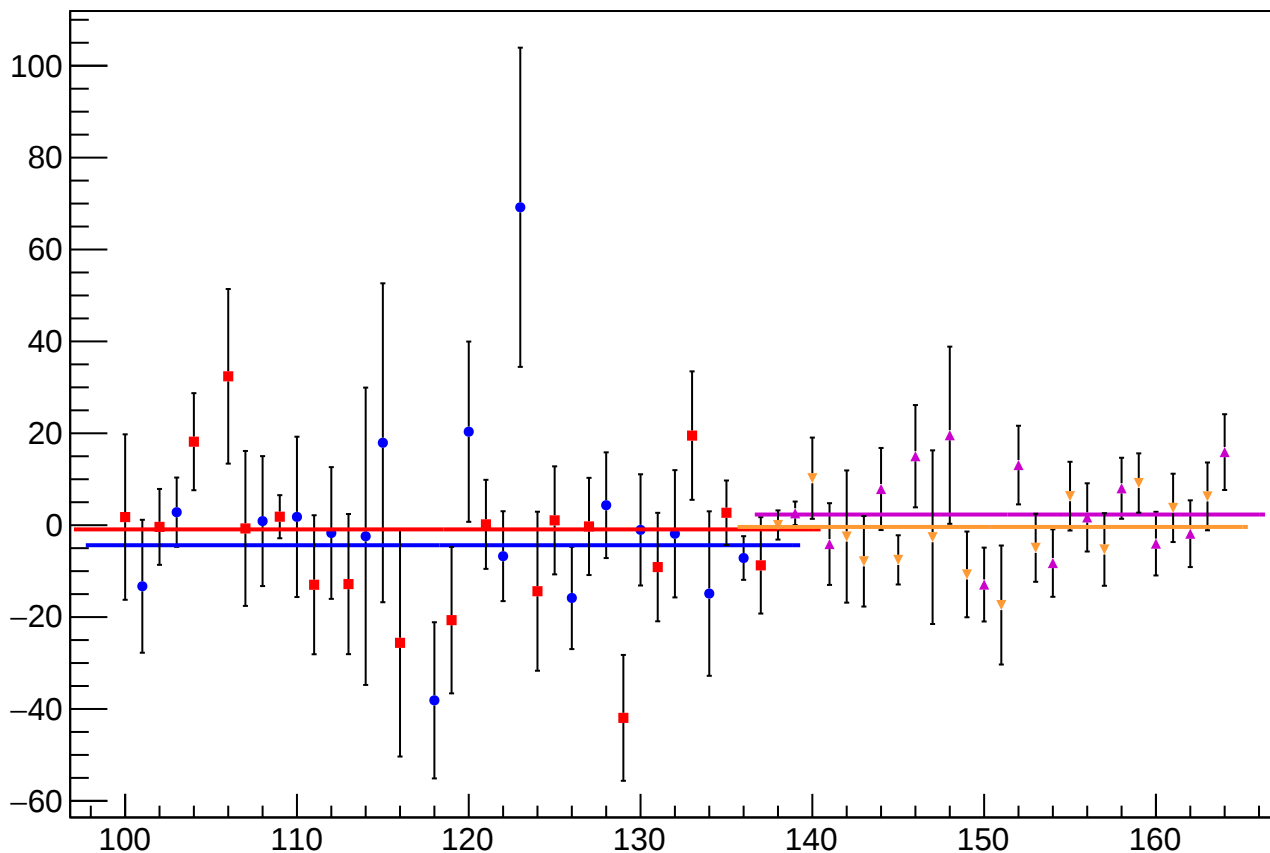
Right: 11593.467+/-2.220 χ^2/NDF : 333118.8/35

In: 11680.632+/-2.035 χ^2/NDF : 946146.2/29

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

All: 11571.887+/-1.412 χ^2/NDF : 1774107.6/66

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: 2.320 ± 1.737 χ^2/NDF : 14.9/12

Left: 1.048 ± 1.264 χ^2/NDF : 27.7/26

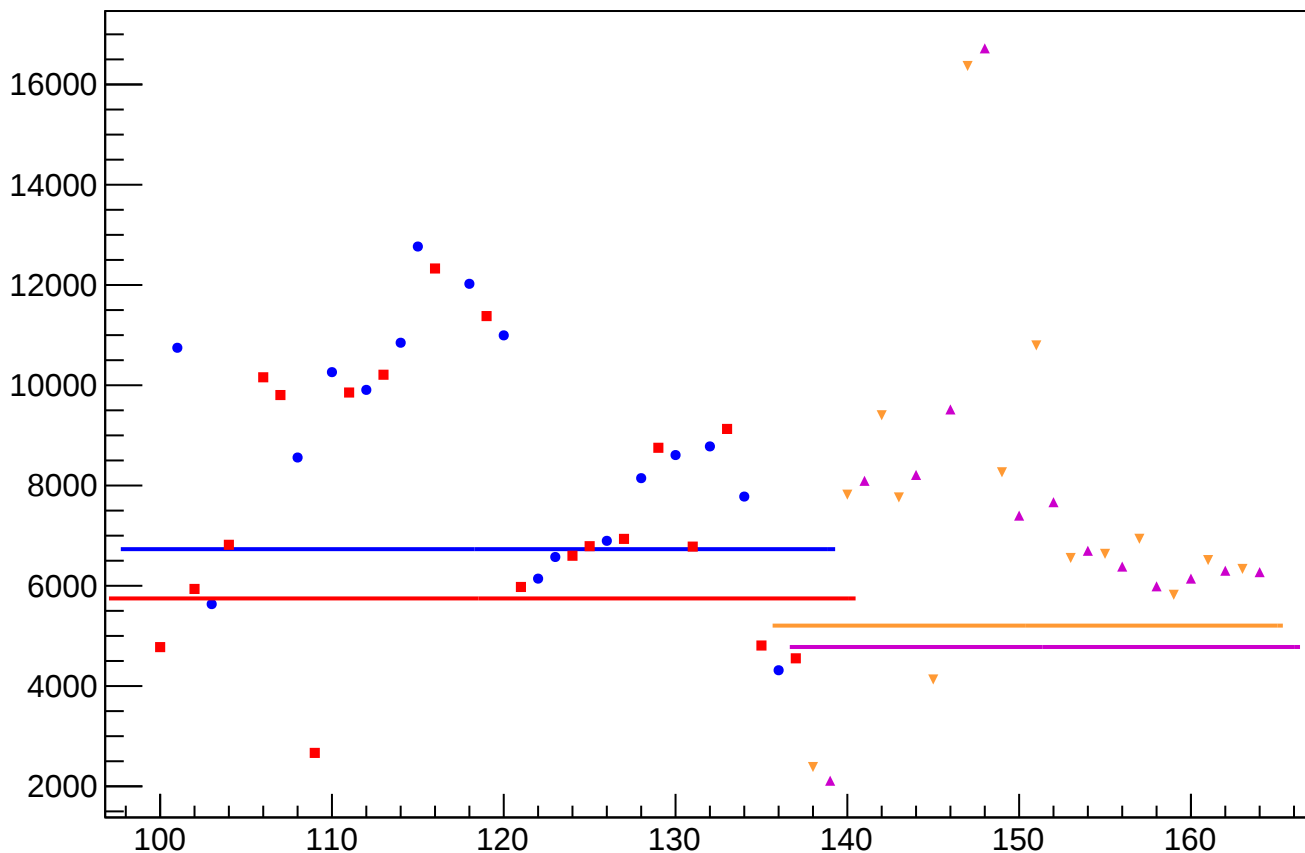
Right: -2.407 ± 1.827 χ^2/NDF : 38.9/35

In: 0.440 ± 1.473 χ^2/NDF : 33.6/29

Out: -0.577 ± 1.467 χ^2/NDF : 35.3/32

All: -0.070 ± 1.039 χ^2/NDF : 69.1/62

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: 4779.174+/-1.228 χ^2/NDF : 4840000.8/12

Left: 4979.911+/-0.894 χ^2/NDF : 8680665.0/26

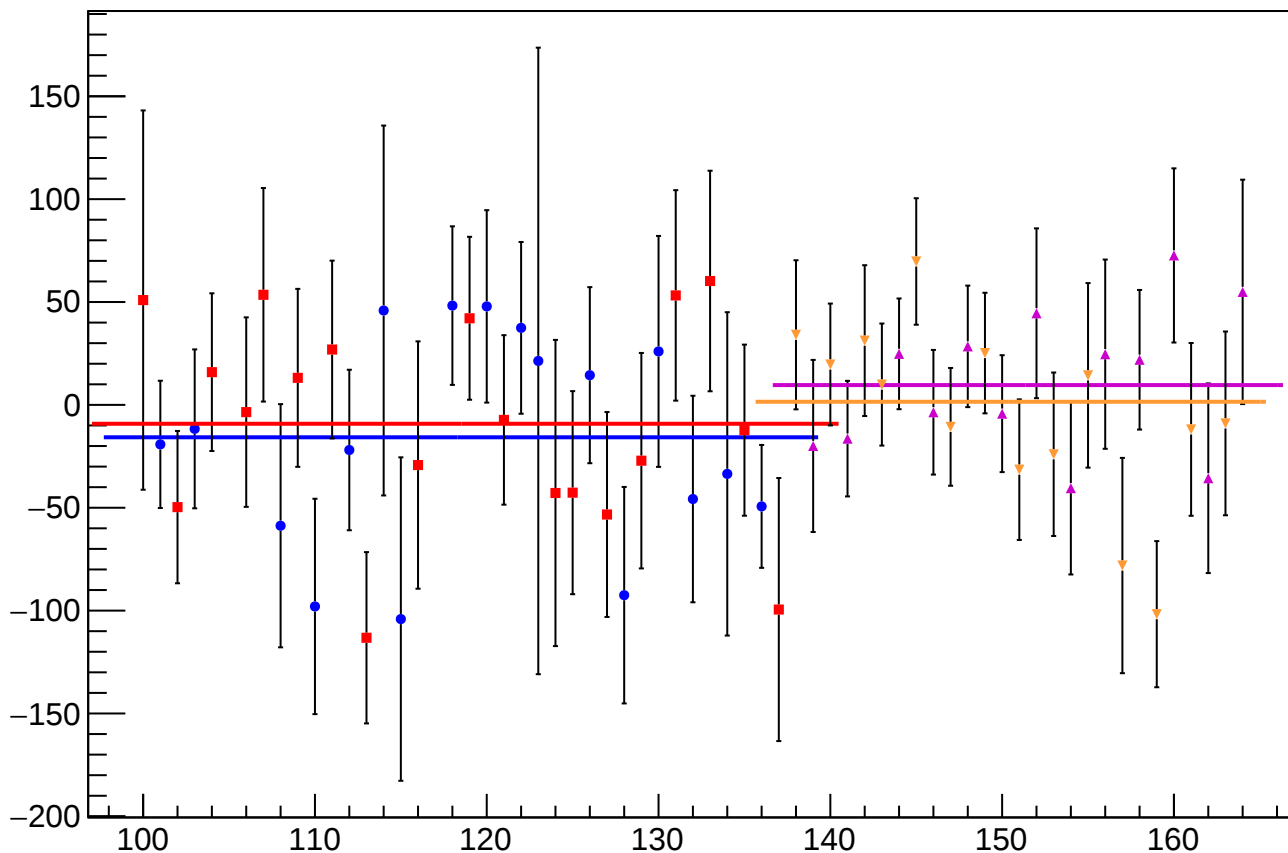
Right: 6173.310+/-1.292 χ^2/NDF : 3749669.1/35

In: 5328.234+/-1.041 χ^2/NDF : 6995451.8/29

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

All: 5366.169+/-0.735 χ^2/NDF : 13007581.6/60

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -15.751 ± 11.207 χ^2/NDF : 15.9/16

Left Out: 1.517 ± 9.350 χ^2/NDF : 20.0/13

Right Out: -9.179 ± 10.889 χ^2/NDF : 19.3/18

Left In: 9.622 ± 9.733 χ^2/NDF : 8.8/12

Left: 5.407 ± 6.743 χ^2/NDF : 29.1/26

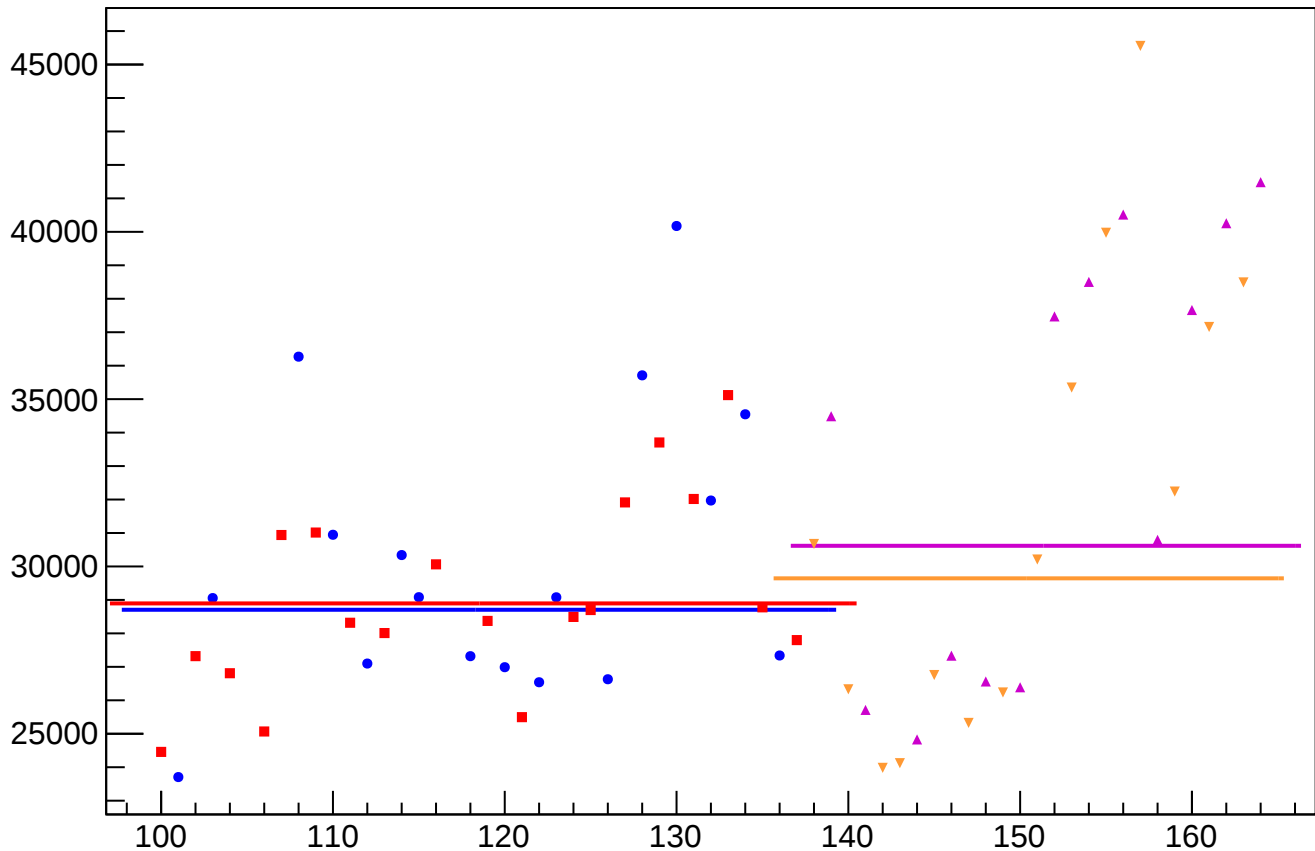
Right: -12.370 ± 7.810 χ^2/NDF : 35.4/35

In: -1.287 ± 7.349 χ^2/NDF : 27.6/29

Out: -3.022 ± 7.094 χ^2/NDF : 39.8/32

All: -2.185 ± 5.104 χ^2/NDF : 67.5/62

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28705.569+/-7.925 χ^2/NDF : 250992.5/16

Left Out: 29644.819+/-6.612 χ^2/NDF : 719858.5/13

Right Out: 28895.535+/-7.700 χ^2/NDF : 111212.6/18

Left In: 30617.412+/-6.882 χ^2/NDF : 716904.0/12

Left: 30111.623+/-4.768 χ^2/NDF : 1447148.2/26

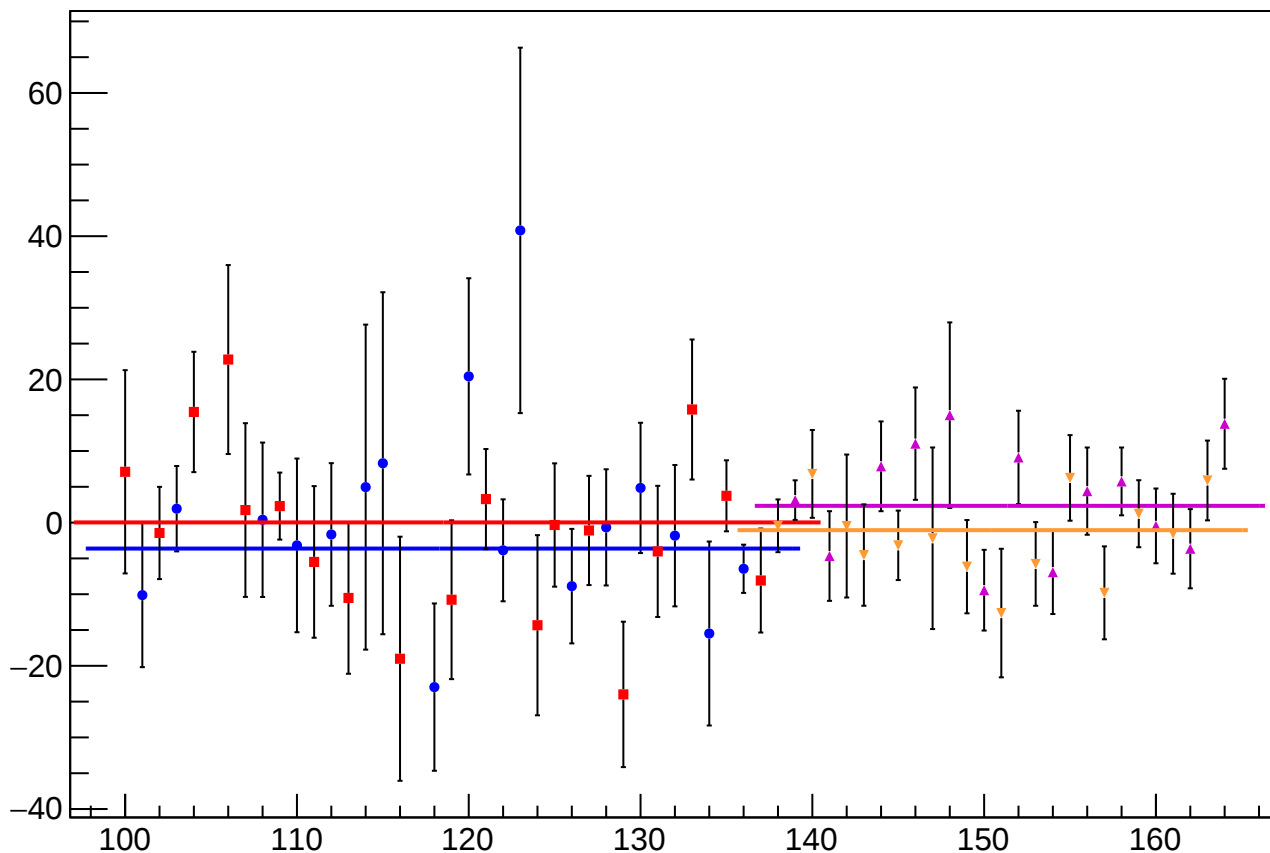
Right: 28803.288+/-5.522 χ^2/NDF : 362500.7/35

In: 29795.443+/-5.196 χ^2/NDF : 1001074.0/29

Out: 29326.816+/-5.016 χ^2/NDF : 836521.7/32

All: 29552.866+/-3.609 χ^2/NDF : 1841805.8/60

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: 2.342 $\pm$ 1.483 χ^2/NDF : 17.7/12

Left: 0.740 $\pm$ 1.078 χ^2/NDF : 30.3/26

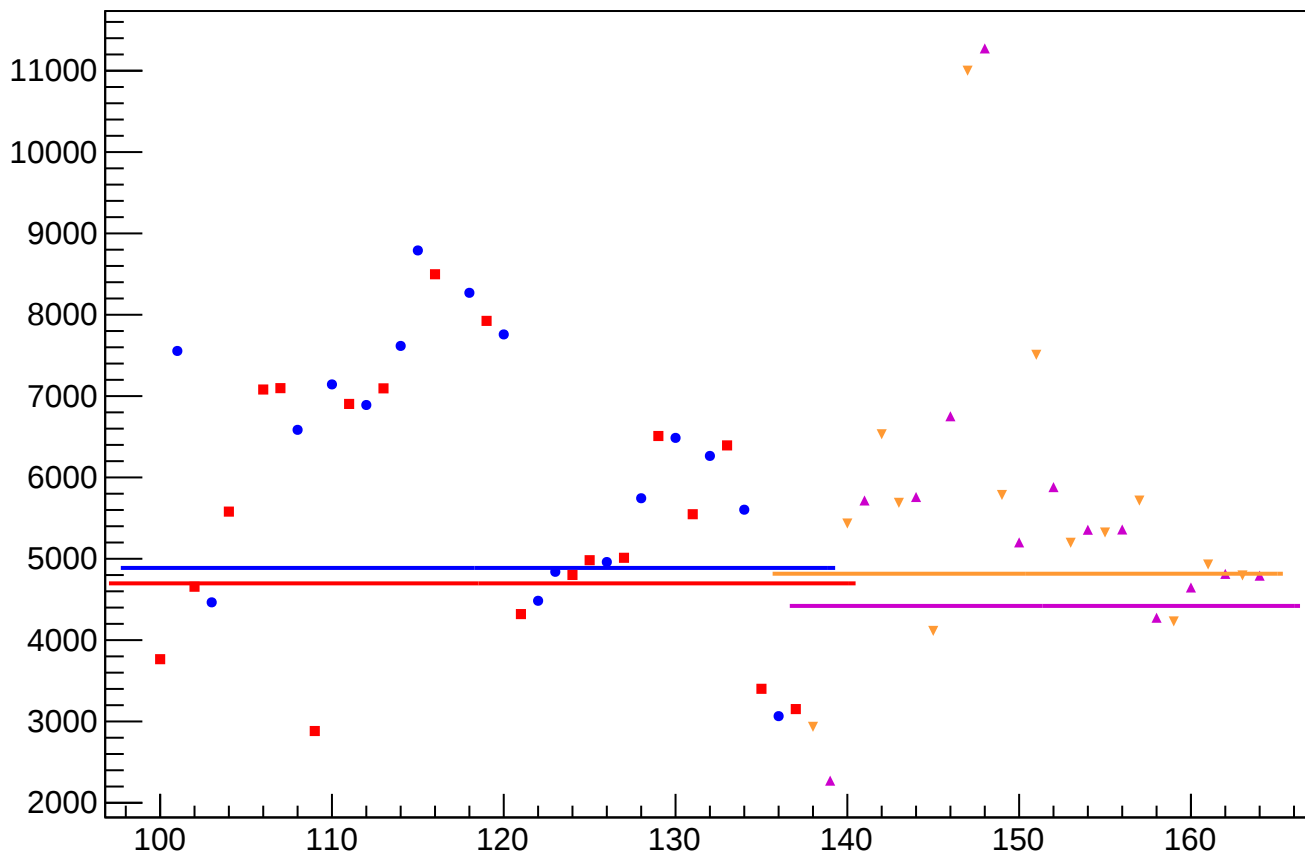
Right: -1.690 $\pm$ 1.376 χ^2/NDF : 37.6/35

In: 0.234 $\pm$ 1.192 χ^2/NDF : 37.1/29

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

All: -0.185 $\pm$ 0.848 χ^2/NDF : 69.8/62

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: 4420.447+/-1.049 χ^2/NDF : 2384339.9/12

Left: 4607.122+/-0.762 χ^2/NDF : 3918216.2/26

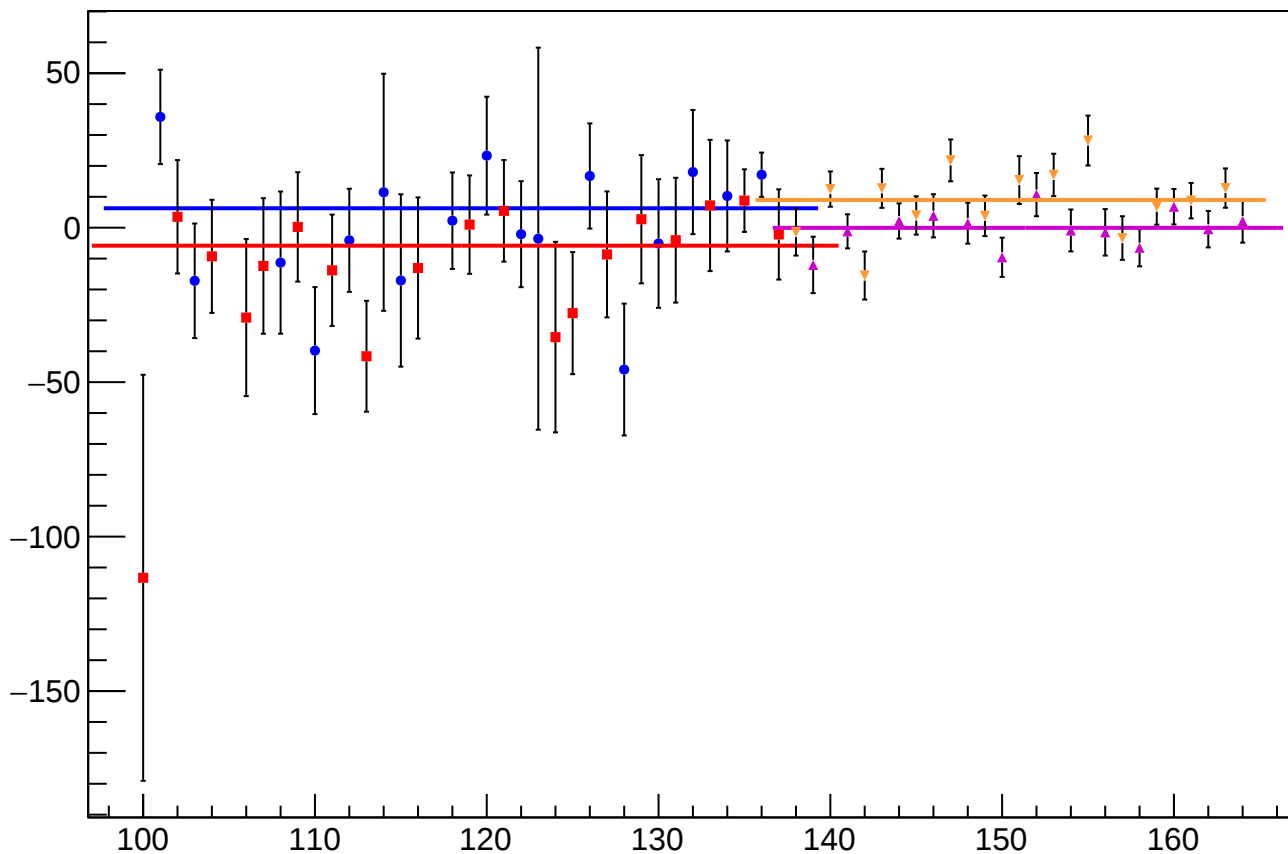
Right: 4786.972+/-0.973 χ^2/NDF : 2731901.7/35

In: 4585.484+/-0.843 χ^2/NDF : 3863749.5/29

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

All: 4675.540+/-0.600 χ^2/NDF : 6671300.0/62

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: -0.046 ± 1.794 χ^2/NDF : 9.6/12

Left: 4.518 ± 1.261 χ^2/NDF : 51.1/26

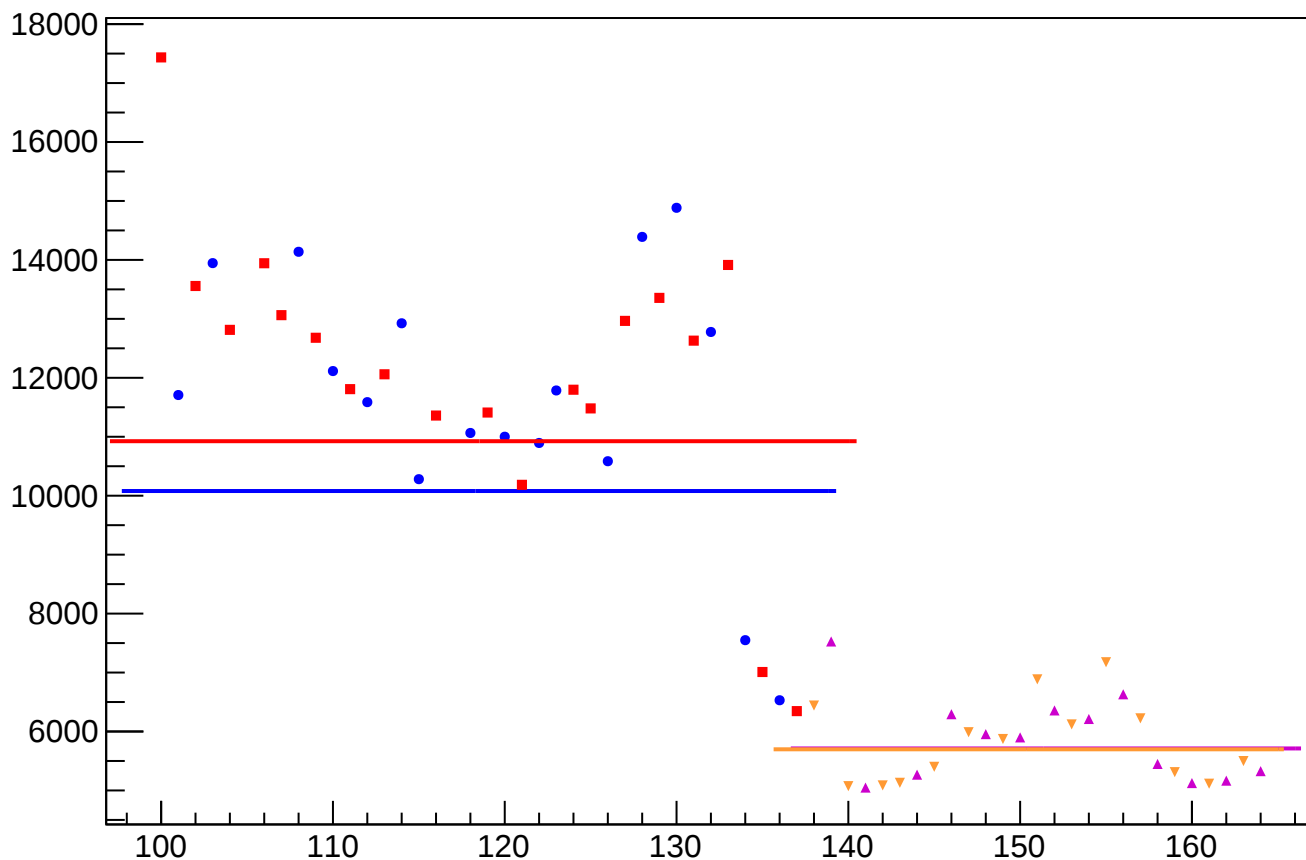
Right: 0.454 ± 2.927 χ^2/NDF : 40.6/35

In: 0.986 ± 1.641 χ^2/NDF : 34.2/29

Out: 6.756 ± 1.634 χ^2/NDF : 52.9/32

All: 3.882 ± 1.158 χ^2/NDF : 93.3/62

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: 5712.440 $\pm$ 1.268 χ^2 /NDF:244104.6/12

Left: 5705.097 $\pm$ 0.892 χ^2 /NDF: 489562.7/26

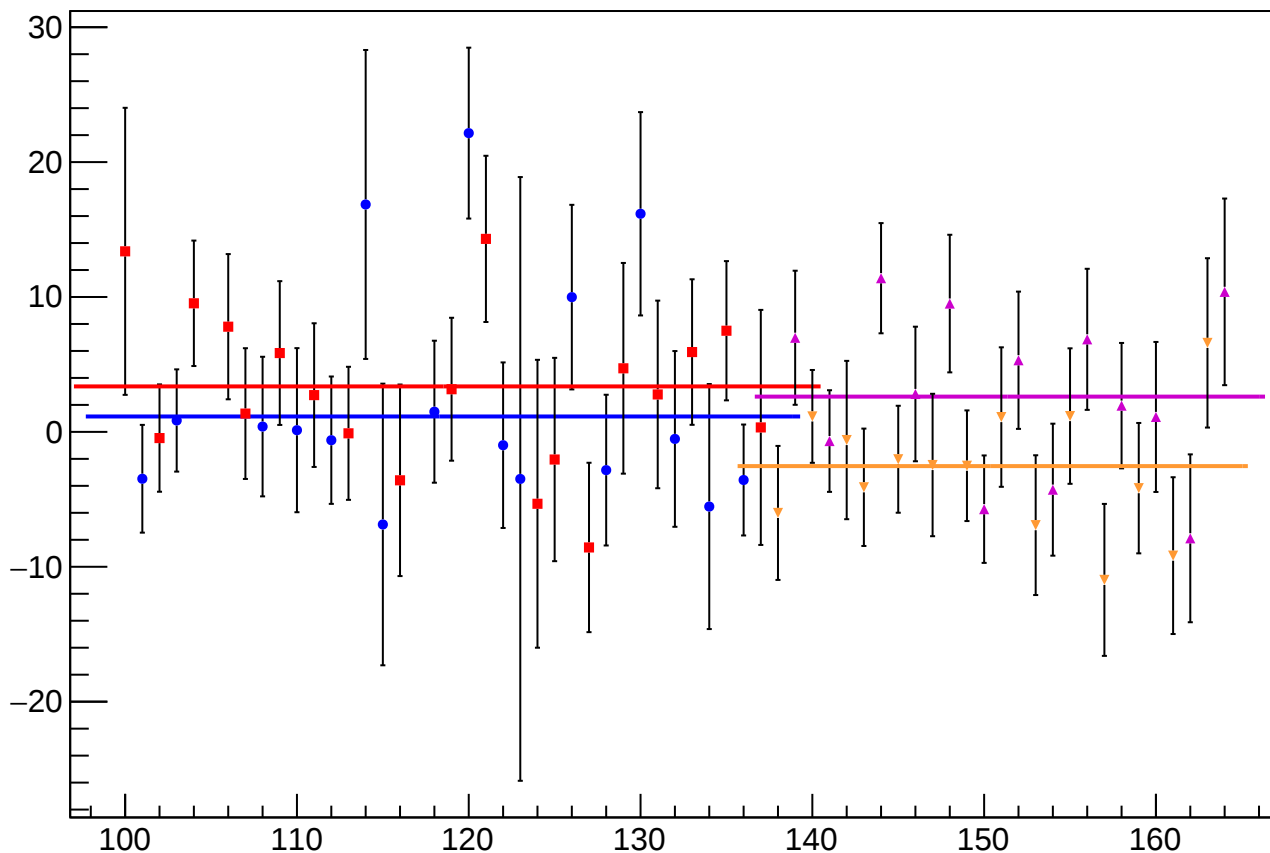
Right: 10486.193 $\pm$ 2.070 χ^2 /NDF: 1804751.7/35

In: 6424.306 $\pm$ 1.160 χ^2 /NDF:3171578.4/29

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

All: 6453.348 $\pm$ 0.819 χ^2 /NDF: 6795400.2/62

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.142 ± 1.395 $\chi^2/\text{NDF}: 23.2/16$

Left Out: -2.537 ± 1.281 $\chi^2/\text{NDF}: 9.4/13$

Right Out: 3.371 ± 1.333 $\chi^2/\text{NDF}: 15.1/18$

Left In: 2.615 ± 1.342 $\chi^2/\text{NDF}: 19.5/12$

Left: -0.082 ± 0.927 $\chi^2/\text{NDF}: 36.6/26$

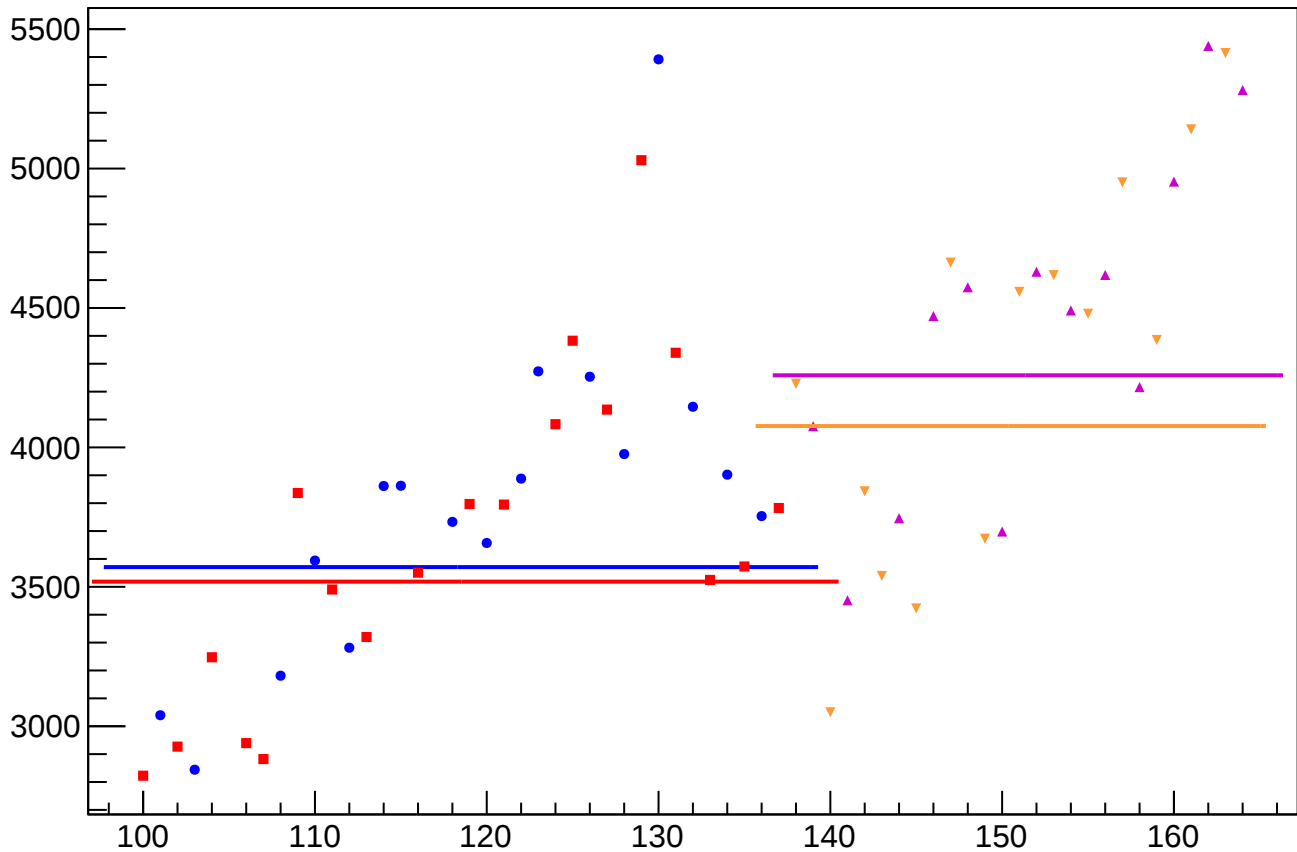
Right: 2.307 ± 0.964 $\chi^2/\text{NDF}: 39.6/35$

In: 1.907 ± 0.967 $\chi^2/\text{NDF}: 43.3/29$

Out: 0.299 ± 0.924 $\chi^2/\text{NDF}: 34.7/32$

All: 1.066 ± 0.668 $\chi^2/\text{NDF}: 79.5/62$

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: 4258.581+/-0.949 χ^2/NDF : 348676.1/12

Left: 4163.331+/-0.655 χ^2/NDF : 946005.0/26

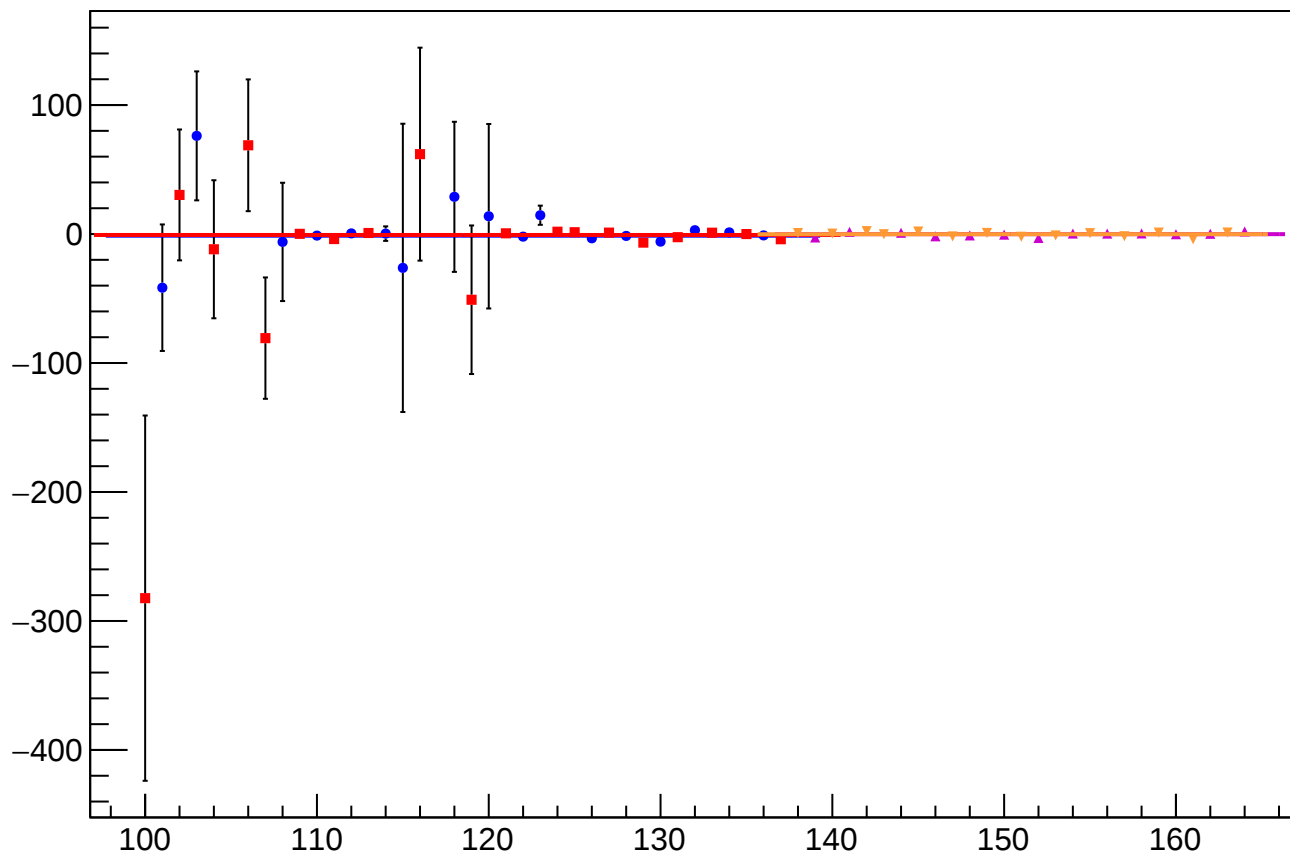
Right: 3543.480+/-0.682 χ^2/NDF : 604252.9/35

In: 3927.887+/-0.684 χ^2/NDF : 910679.7/29

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

All: 3865.561+/-0.472 χ^2/NDF : 1980037.2/62

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: -0.103 ± 0.328 χ^2/NDF : 18.5/12

Left: -0.120 ± 0.231 χ^2/NDF : 45.0/26

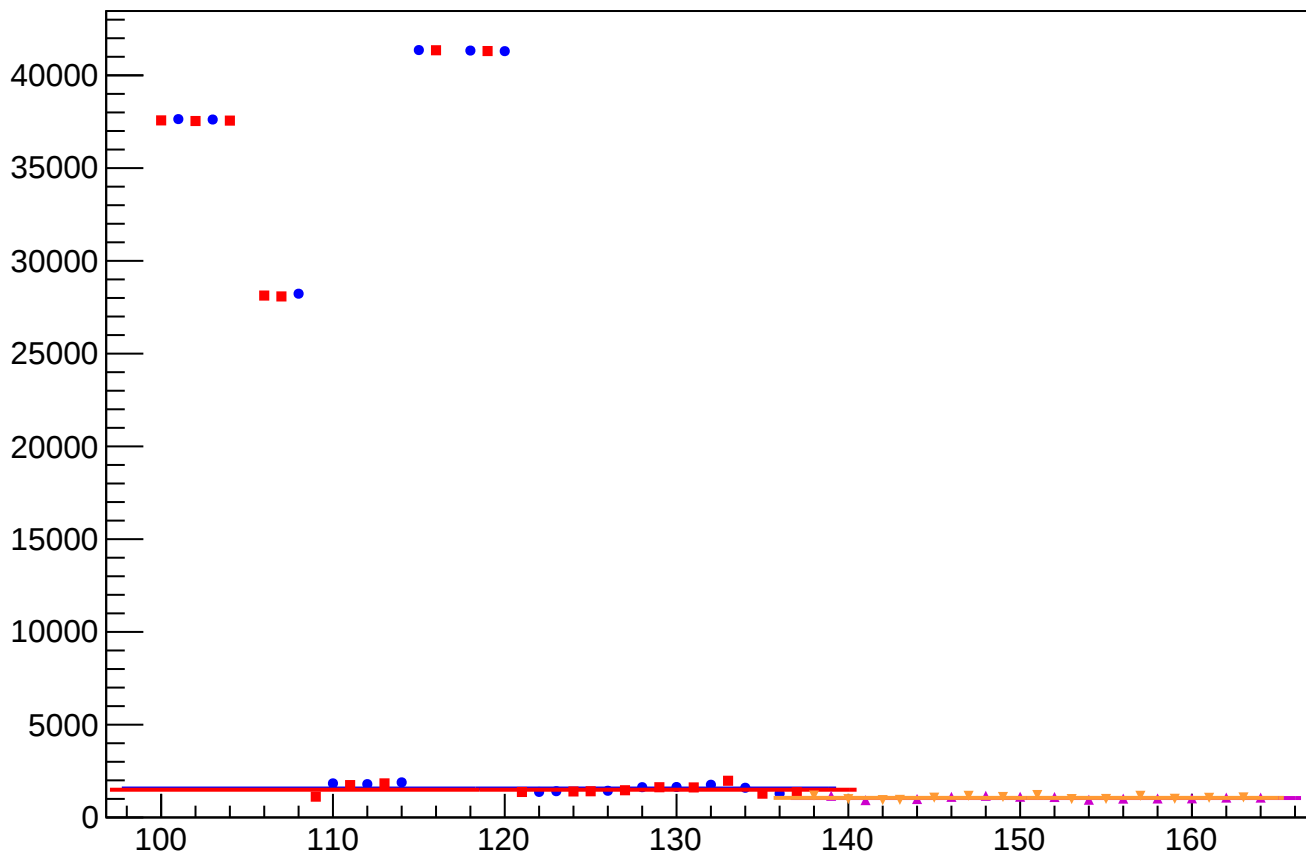
Right: -0.983 ± 0.515 χ^2/NDF : 38.6/35

In: -0.289 ± 0.300 χ^2/NDF : 36.8/29

Out: -0.241 ± 0.297 χ^2/NDF : 49.1/32

All: -0.265 ± 0.211 χ^2/NDF : 85.9/62

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: 1046.602 $\pm$ 0.232 χ^2/NDF : 97416.7/12

Left: 1050.849 $\pm$ 0.164 χ^2/NDF : 227500.0/26

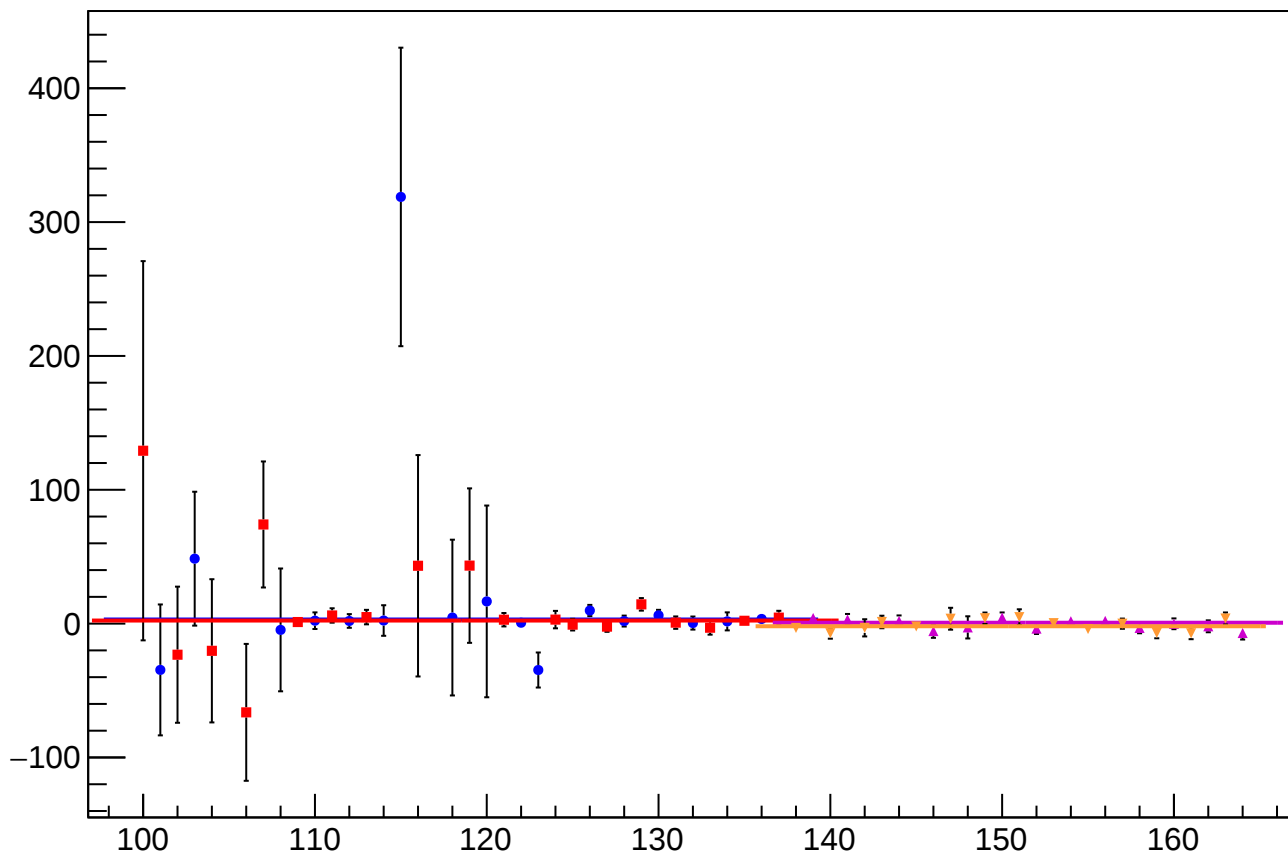
Right: 1525.146 $\pm$ 0.364 χ^2/NDF : 9654379.4/35

In: 1129.076 $\pm$ 0.212 χ^2/NDF : 5638797.5/29

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

All: 1130.496 $\pm$ 0.149 χ^2/NDF : 11293256.1/6

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: 0.663 ± 1.088 $\chi^2/\text{NDF}: 10.6/12$

Left: -0.677 ± 0.760 $\chi^2/\text{NDF}: 25.3/26$

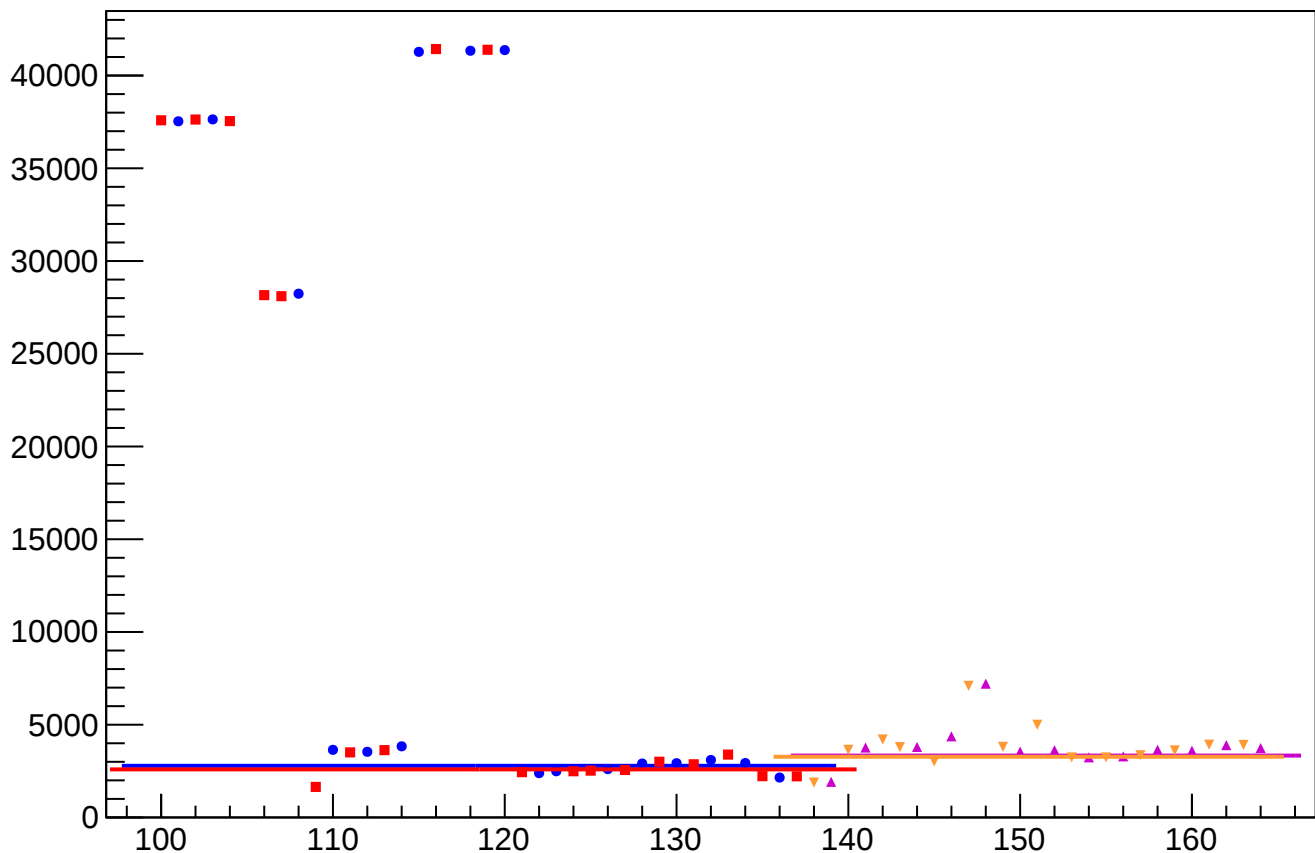
Right: 2.664 ± 0.903 $\chi^2/\text{NDF}: 39.0/35$

In: 1.636 ± 0.840 $\chi^2/\text{NDF}: 34.4/29$

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

All: 0.709 ± 0.581 $\chi^2/\text{NDF}: 72.3/62$

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: 3335.696+/-0.769 χ^2/NDF : 1370148.2/12

Left: 3303.335+/-0.537 χ^2/NDF : 2965165.4/26

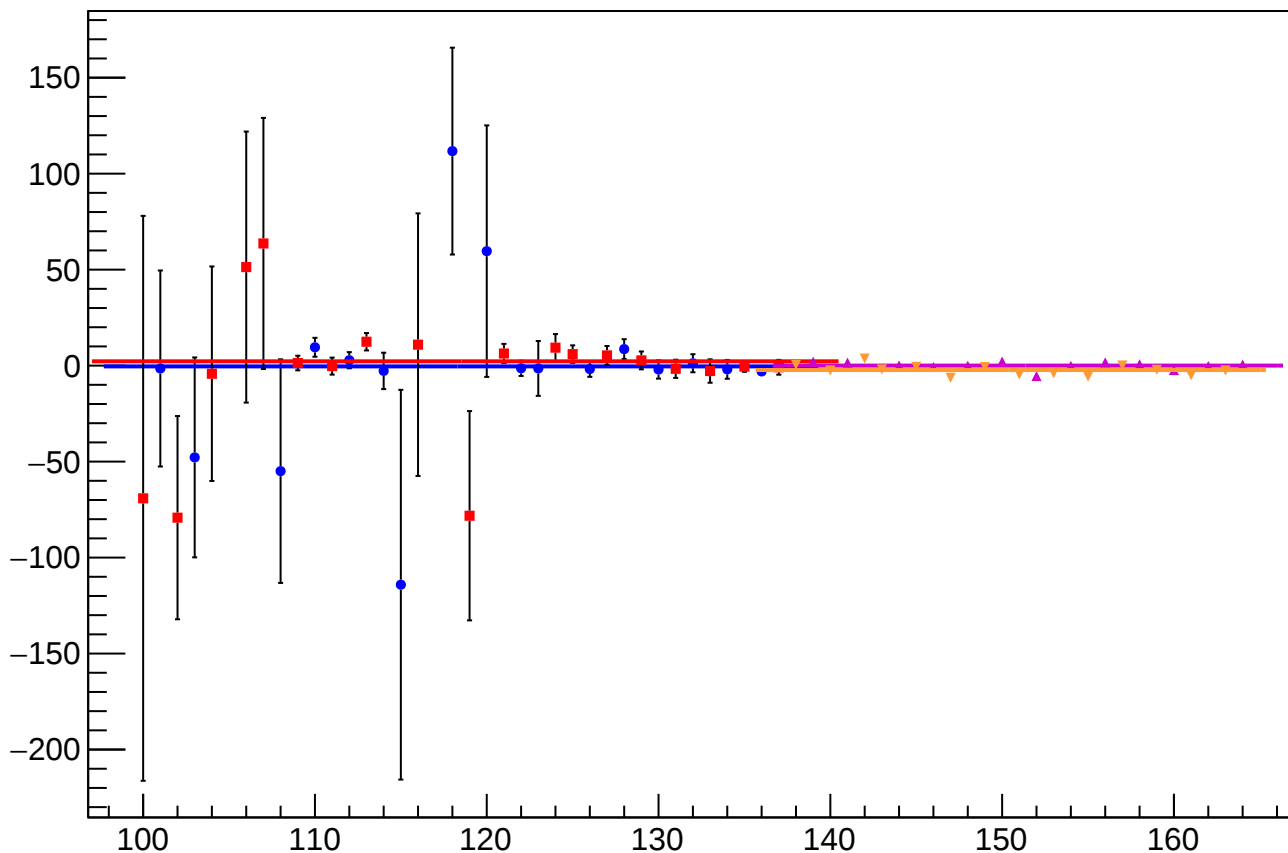
Right: 2680.897+/-0.638 χ^2/NDF : 9446853.4/35

In: 3113.240+/-0.594 χ^2/NDF : 6155064.6/29

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

All: 3045.090+/-0.411 χ^2/NDF : 12968434.8/60

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: 0.012 ± 0.518 χ^2/NDF : 13.4/12

Left: -1.162 ± 0.364 χ^2/NDF : 46.7/26

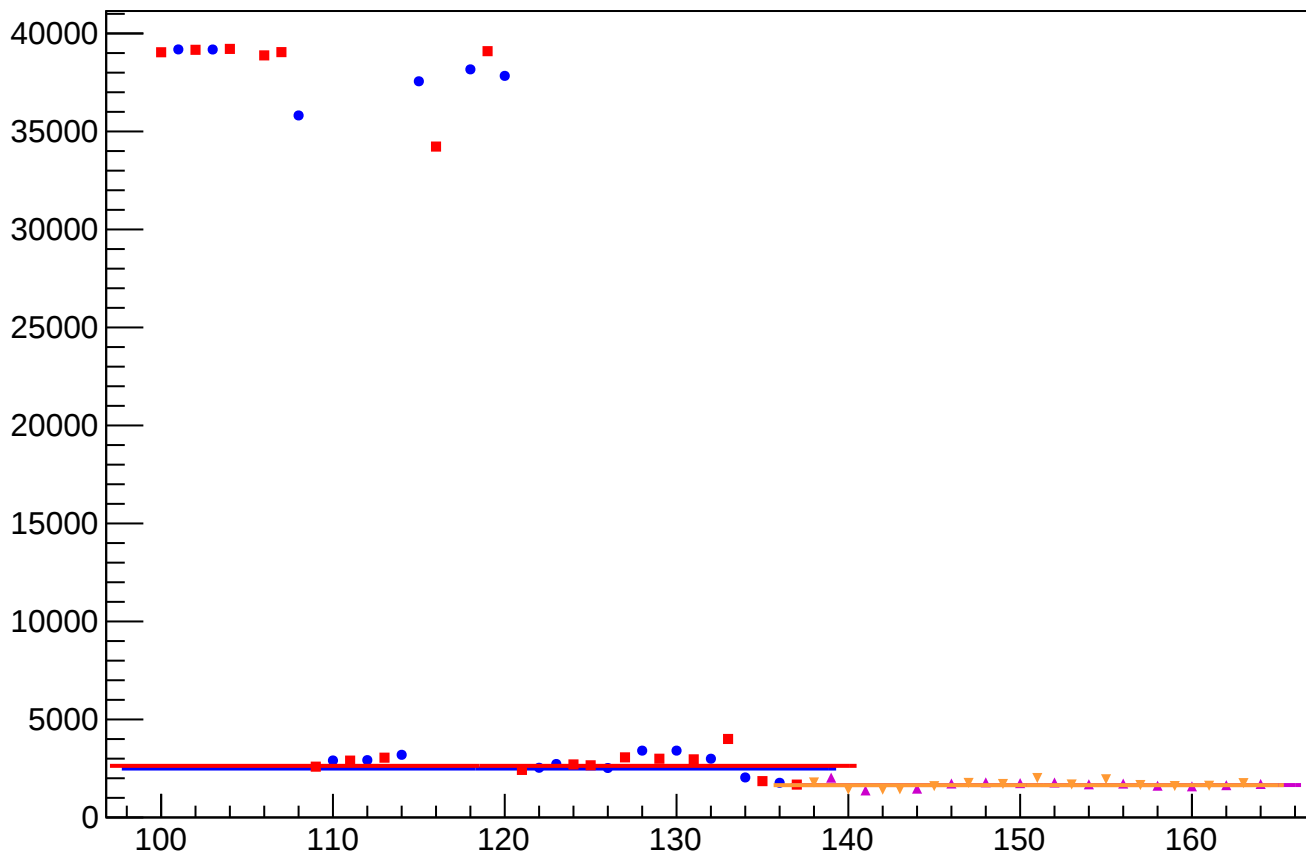
Right: 0.890 ± 0.871 χ^2/NDF : 38.0/35

In: -0.051 ± 0.477 χ^2/NDF : 31.8/29

Out: -1.650 ± 0.473 χ^2/NDF : 52.0/32

All: -0.857 ± 0.336 χ^2/NDF : 89.5/62

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: 1653.457 $\pm$ 0.367 χ^2 /NDF: 174220.2/12

Left: 1650.512 $\pm$ 0.258 χ^2 /NDF: 383386.9/26

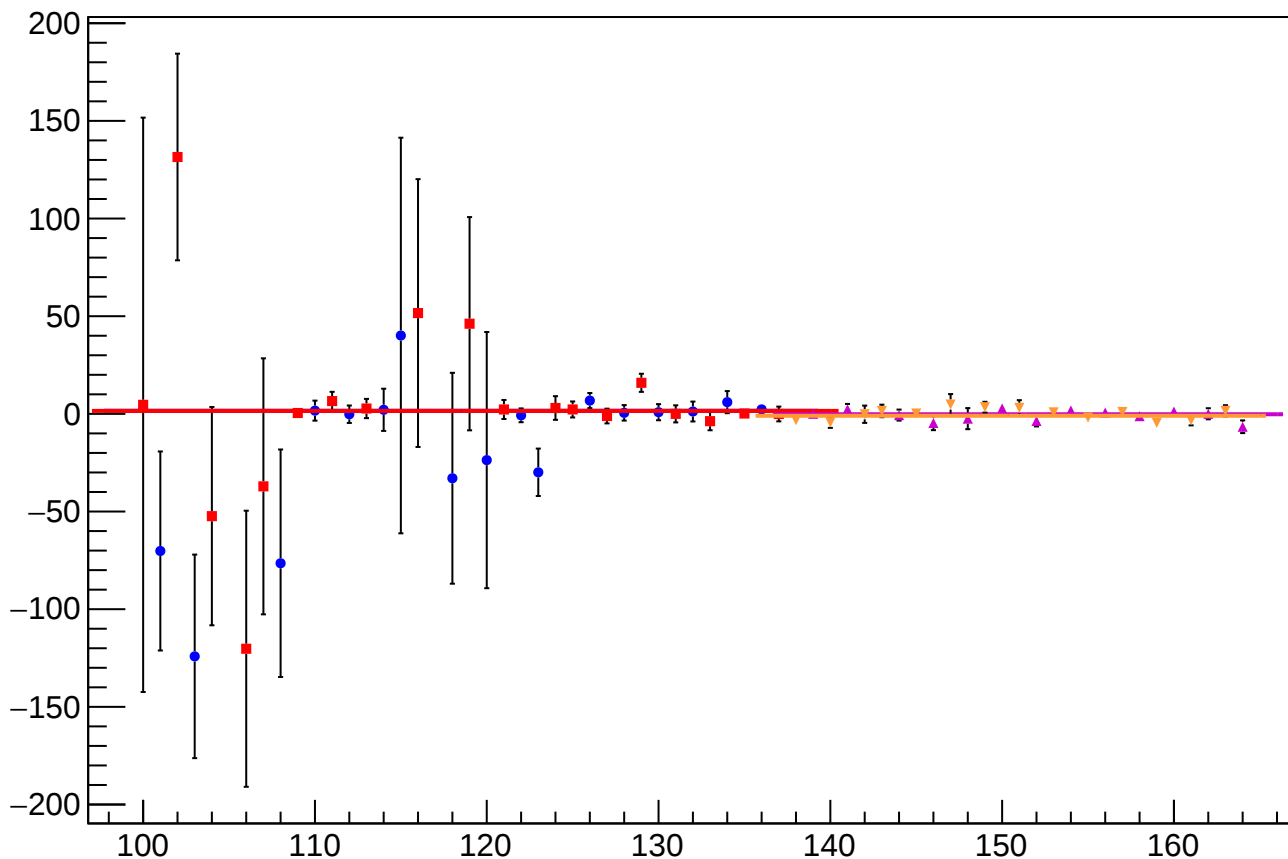
Right: 2562.854 $\pm$ 0.616 χ^2 /NDF: 9755329.9/35

In: 1782.664 $\pm$ 0.337 χ^2 /NDF: 5866202.5/29

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

All: 1786.306 $\pm$ 0.238 χ^2 /NDF: 12006910.8/66

diff_bpm1p03aY_mean vs Slug, Sign Corrected



Right In: 1.576 ± 1.143 χ^2/NDF : 20.3/16

Left Out: -0.968 ± 0.695 χ^2/NDF : 14.5/13

Right Out: 1.524 ± 1.062 χ^2/NDF : 25.0/18

Left In: -0.203 ± 0.685 χ^2/NDF : 10.6/12

Left: -0.580 ± 0.488 χ^2/NDF : 25.7/26

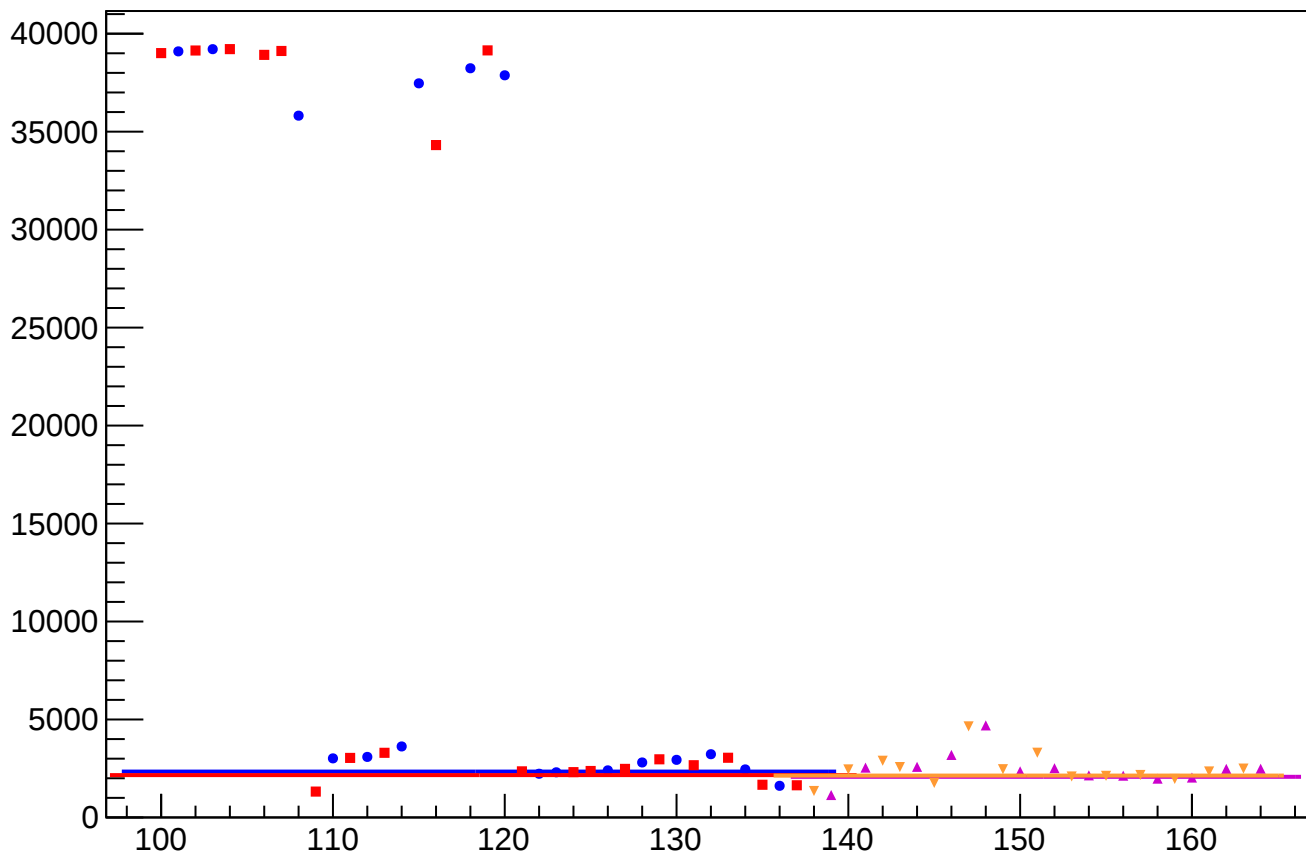
Right: 1.548 ± 0.778 χ^2/NDF : 45.4/35

In: 0.267 ± 0.588 χ^2/NDF : 32.7/29

Out: -0.221 ± 0.582 χ^2/NDF : 43.4/32

All: 0.021 ± 0.413 χ^2/NDF : 76.5/62

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: 2074.327+/-0.484 χ^2/NDF :1828239.1/12

Left: 2105.482+/-0.345 χ^2/NDF : 3149597.3/26

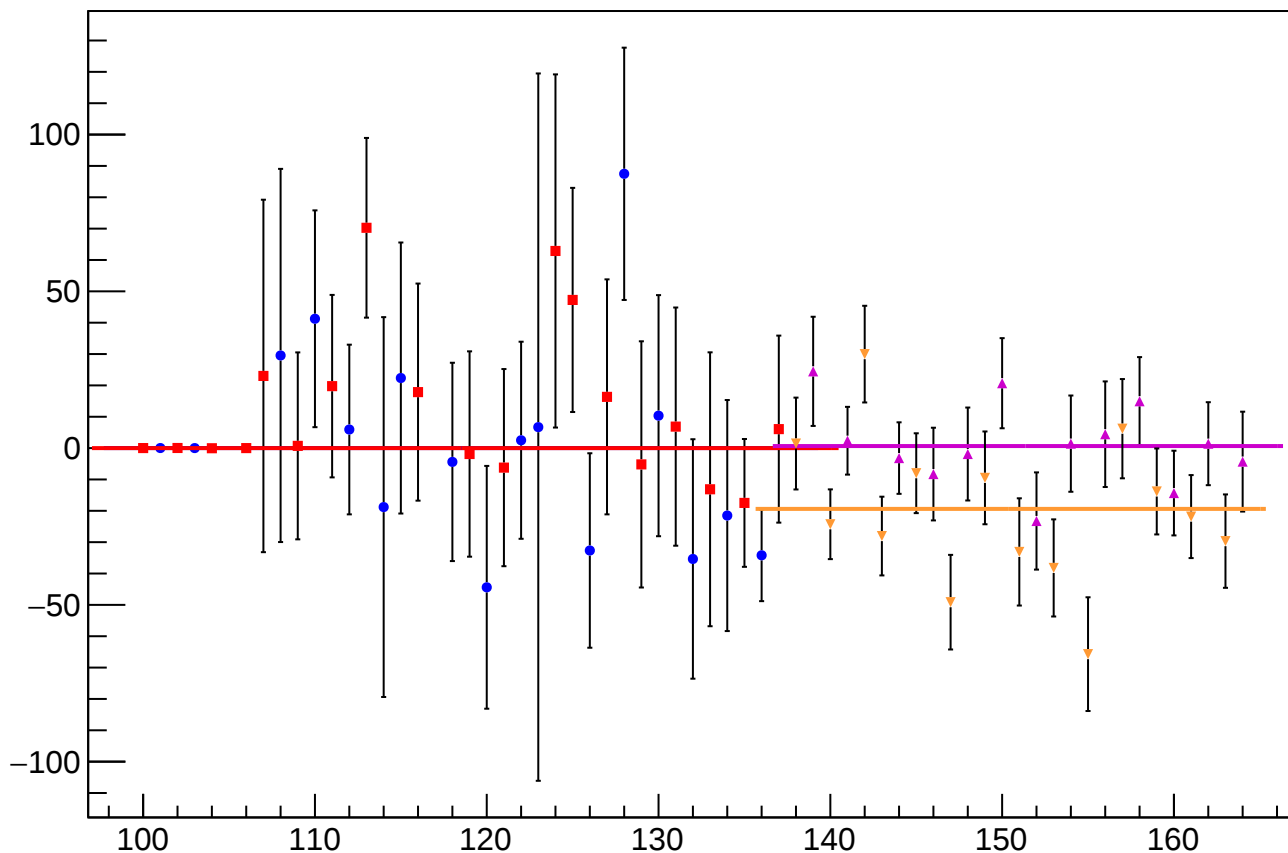
Right: 2244.559+/-0.550 χ^2/NDF : 10332522.7/35

In: 2144.828+/-0.415 χ^2/NDF :6915287.1/29

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

All: 2144.732+/-0.292 χ^2/NDF : 13527988.8/66

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -19.386 ± 3.819 $\chi^2/\text{NDF}: 30.0/13$

Right Out: -0.003 ± 0.016 $\chi^2/\text{NDF}: 15.9/18$

Left In: 0.654 ± 3.903 $\chi^2/\text{NDF}: 9.1/12$

Left: -9.585 ± 2.730 $\chi^2/\text{NDF}: 52.6/26$

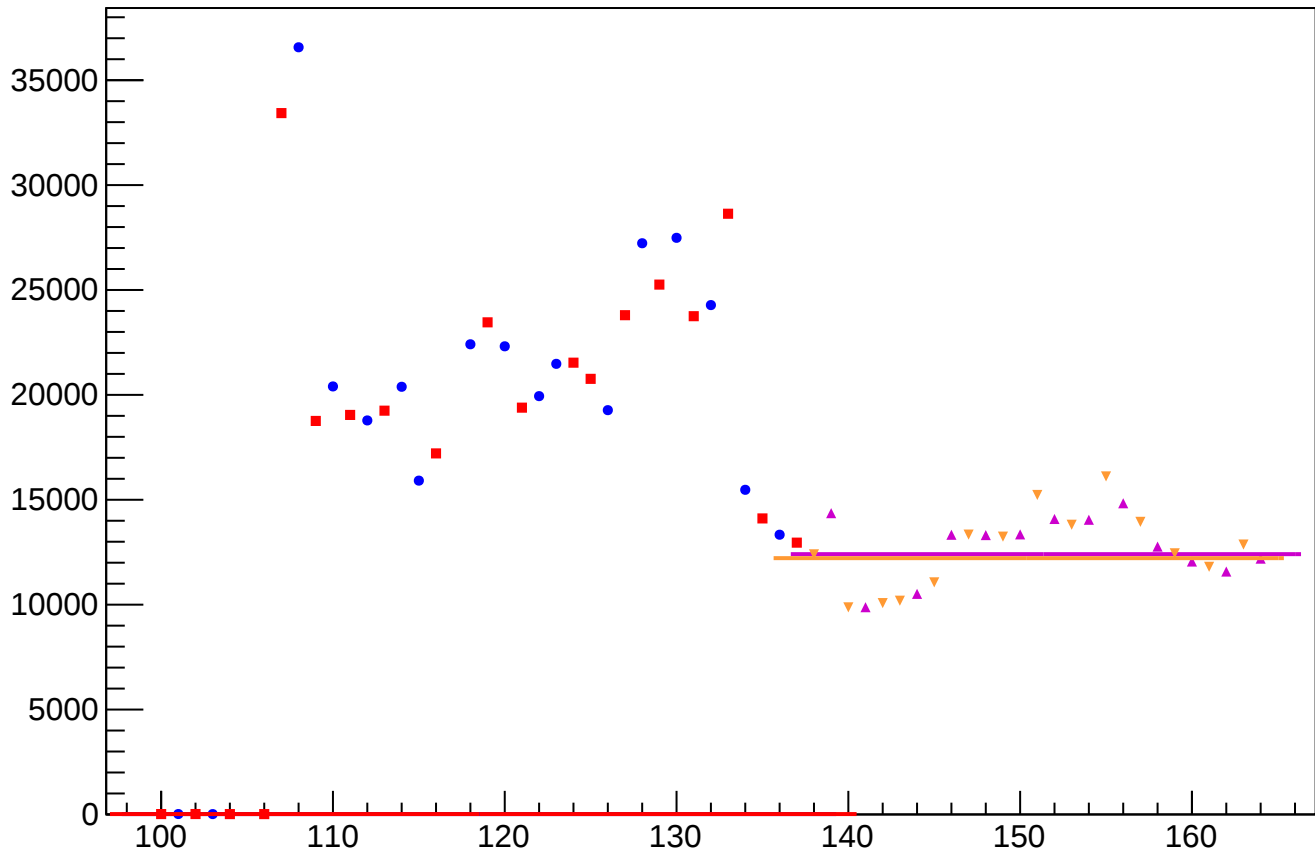
Right: 0.004 ± 0.012 $\chi^2/\text{NDF}: 32.5/35$

In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 25.3/29$

Out: -0.004 ± 0.016 $\chi^2/\text{NDF}: 71.7/32$

All: 0.004 ± 0.012 $\chi^2/\text{NDF}: 97.5/62$

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: 12407.699 $\pm$ 2.760 χ^2 /NDF:312276.8/12

Left: 12310.293 $\pm$ 1.930 χ^2 /NDF: 737565.7/26

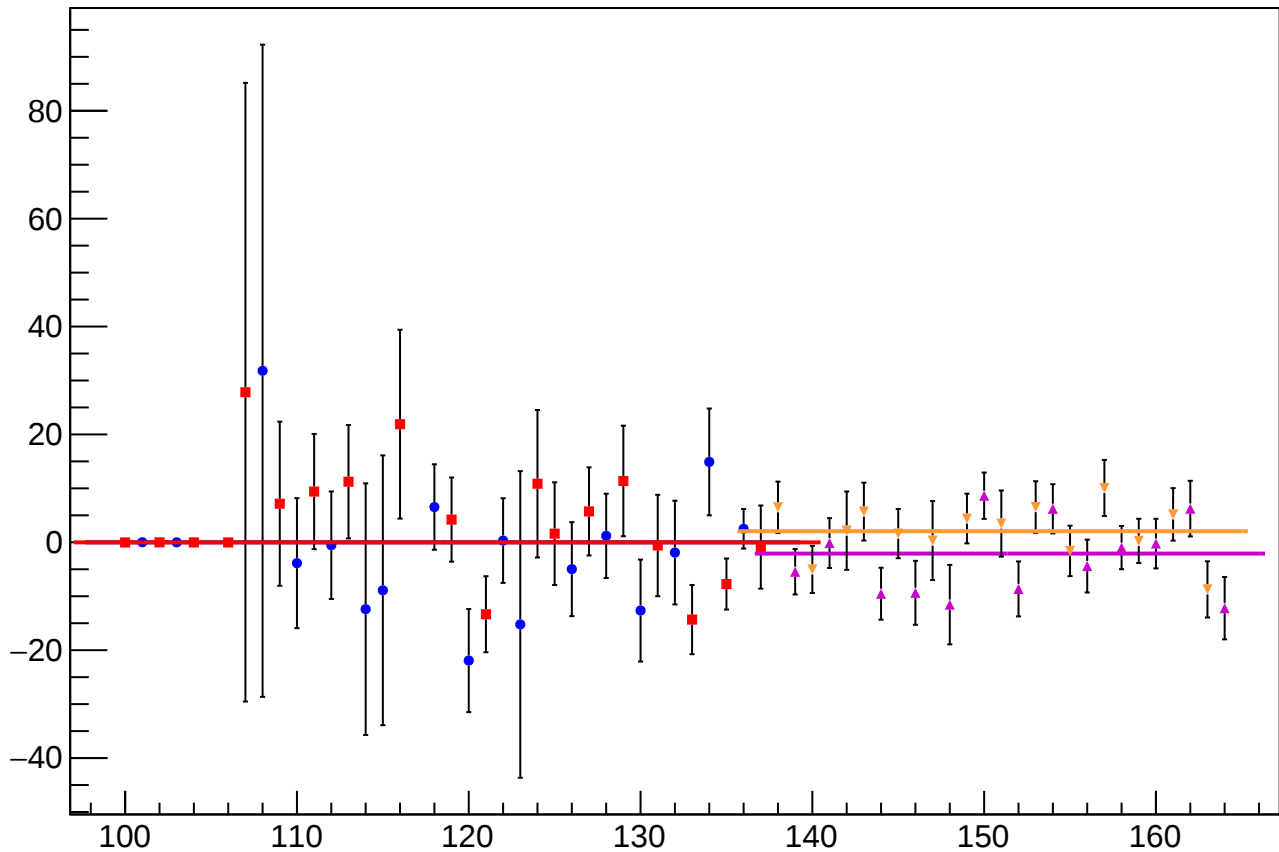
Right: 18.464 $\pm$ 0.008 χ^2 /NDF: 22095216.5/35

In: 18.886 $\pm$ 0.012 χ^2 /NDF:31444816.5/29

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

All: 18.693 $\pm$ 0.008 χ^2 /NDF: 63388625.3/62

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: -2.093 ± 1.345 $\chi^2/\text{NDF}: 23.7/12$

Left: -0.013 ± 0.950 $\chi^2/\text{NDF}: 41.6/26$

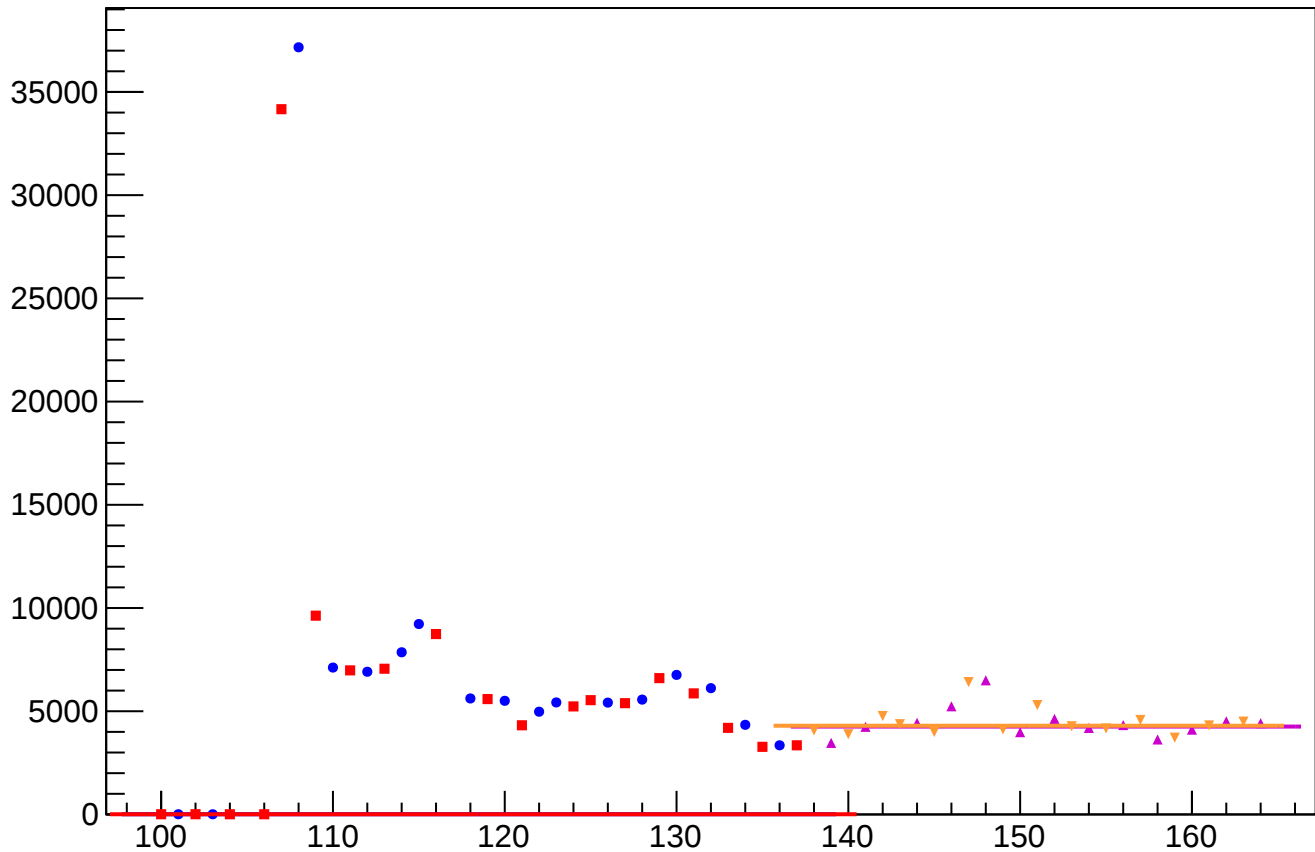
Right: -0.007 ± 0.006 $\chi^2/\text{NDF}: 33.0/35$

In: 0.001 ± 0.009 $\chi^2/\text{NDF}: 39.2/29$

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

All: -0.007 ± 0.006 $\chi^2/\text{NDF}: 74.6/62$

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: 4257.576+/-0.951 χ^2/NDF :389857.7/12

Left: 4277.802+/-0.672 χ^2/NDF : 703675.9/26

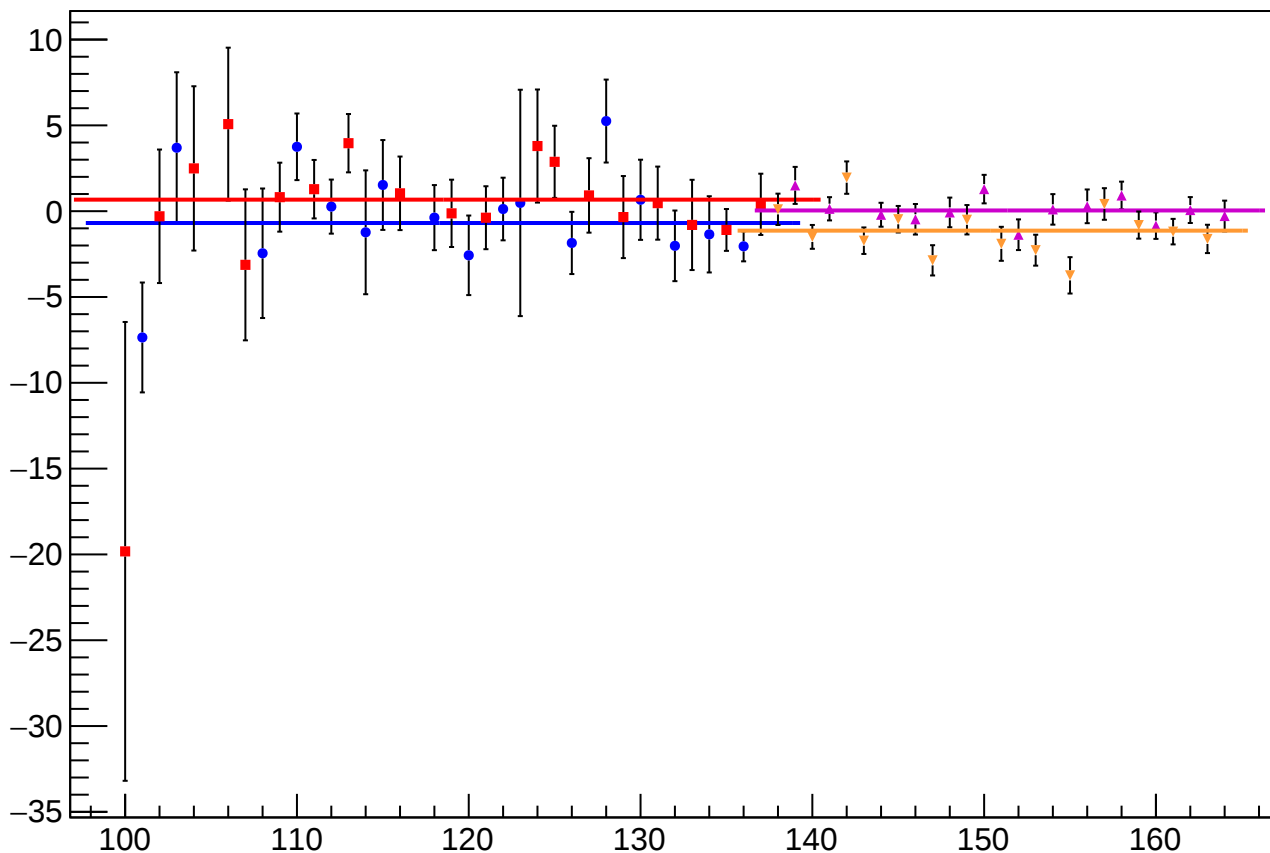
Right: 9.894+/-0.004 χ^2/NDF : 22274609.0/35

In: 10.138+/-0.007 χ^2/NDF :31440315.3/29

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

All: 10.082+/-0.004 χ^2/NDF : 63349629.7/62

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.689 ± 0.482 χ^2/NDF : 22.5/16

Left Out: -1.134 ± 0.226 χ^2/NDF : 30.2/13

Right Out: 0.672 ± 0.501 χ^2/NDF : 13.3/18

Left In: 0.042 ± 0.230 χ^2/NDF : 9.8/12

Left: -0.556 ± 0.161 χ^2/NDF : 53.2/26

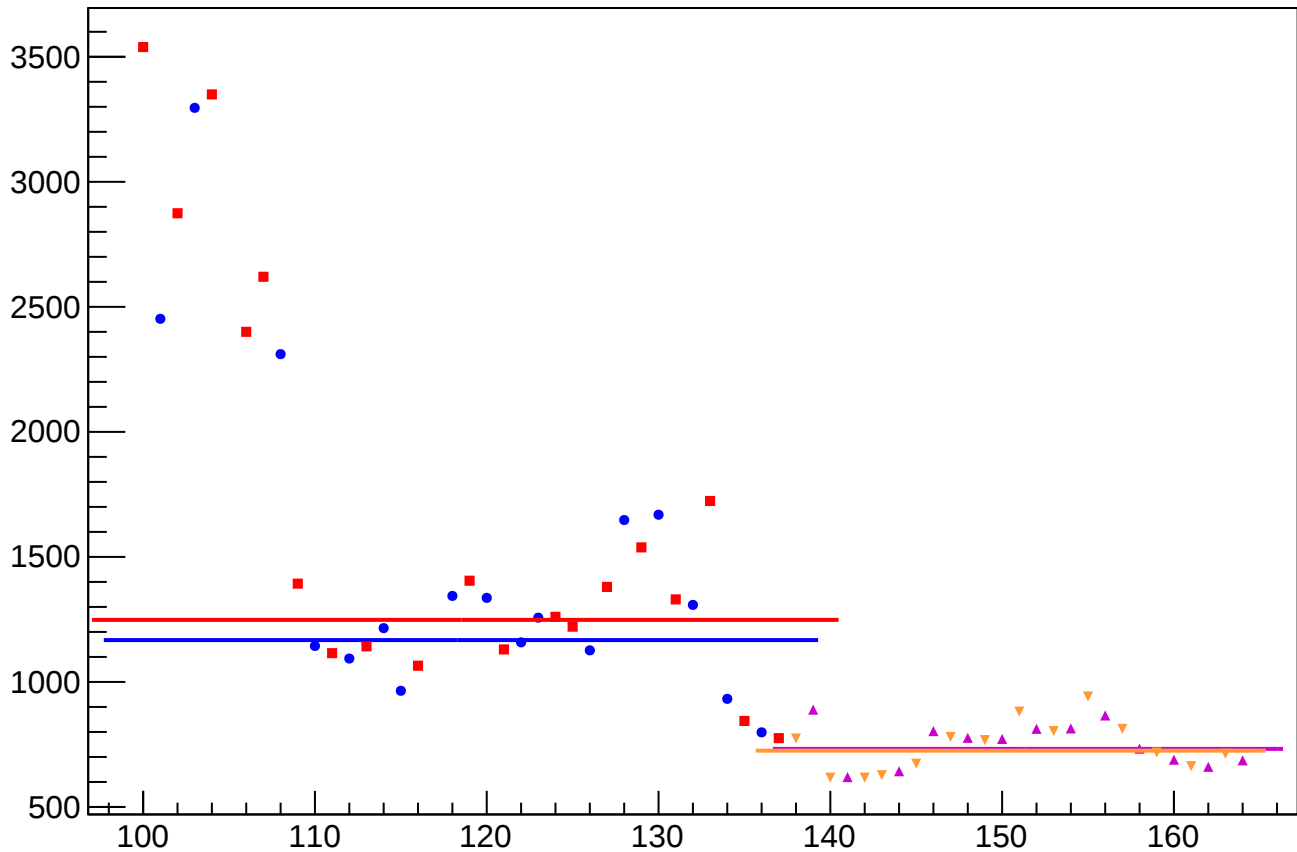
Right: -0.034 ± 0.347 χ^2/NDF : 39.7/35

In: -0.093 ± 0.208 χ^2/NDF : 34.1/29

Out: -0.828 ± 0.206 χ^2/NDF : 54.3/32

All: -0.464 ± 0.146 χ^2/NDF : 94.7/62

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1167.397+/-0.341 χ^2/NDF : 1578328.1/16

Left Out: 725.201+/-0.160 χ^2/NDF : 314455.3/13

Right Out: 1248.241+/-0.354 χ^2/NDF : 1654028.9/18

Left In: 732.326+/-0.163 χ^2/NDF : 252908.0/12

Left: 728.701+/-0.114 χ^2/NDF : 568340.3/26

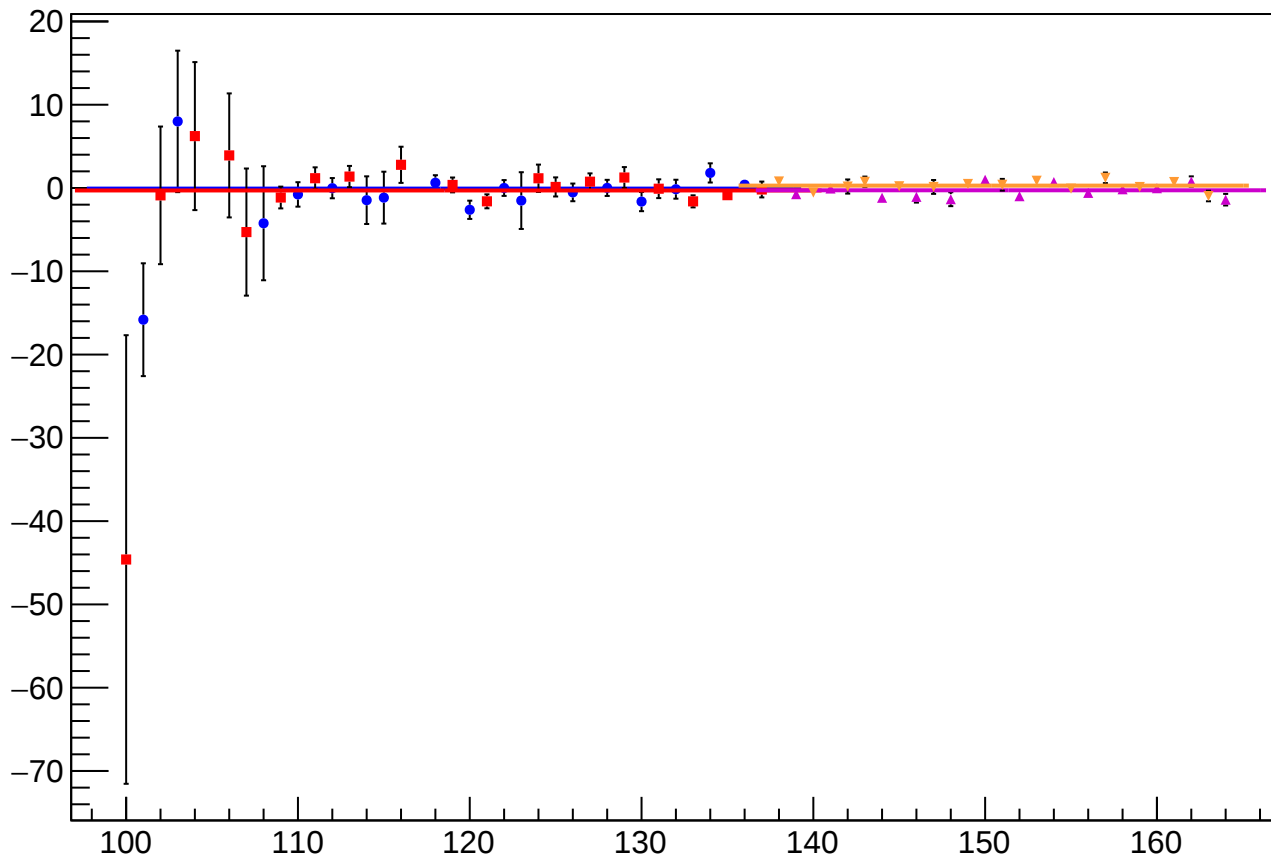
Right: 1206.306+/-0.246 χ^2/NDF : 3259405.5/35

In: 812.921+/-0.147 χ^2/NDF : 3157383.6/29

Out: 813.714+/-0.146 χ^2/NDF : 3781764.3/32

All: 813.320+/-0.103 χ^2/NDF : 6939162.6/62

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: -0.274 ± 0.162 χ^2/NDF : 23.1/12

Left: 0.009 ± 0.114 χ^2/NDF : 41.5/26

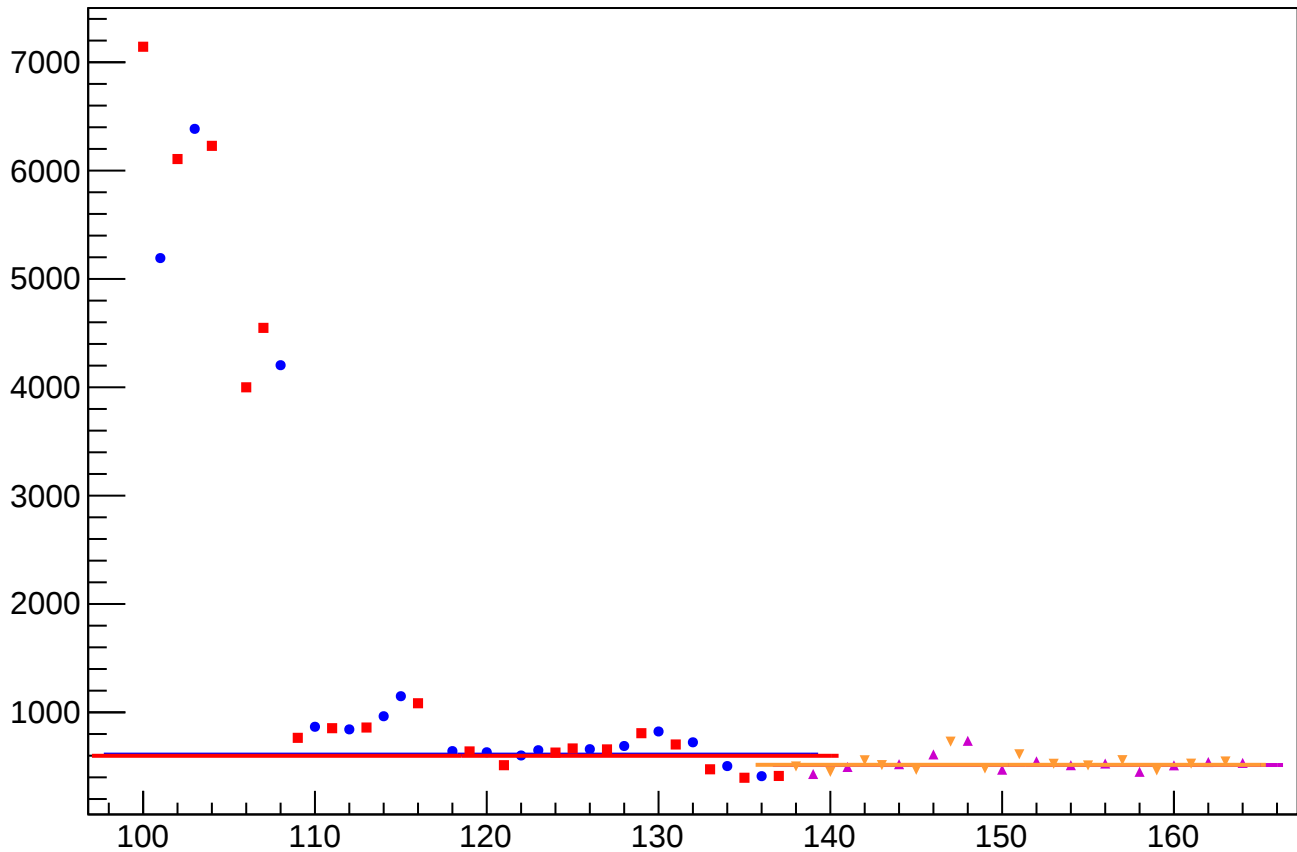
Right: -0.185 ± 0.188 χ^2/NDF : 39.8/35

In: -0.220 ± 0.139 χ^2/NDF : 42.8/29

Out: 0.130 ± 0.137 χ^2/NDF : 36.1/32

All: -0.043 ± 0.098 χ^2/NDF : 82.1/62

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: 513.875 $\pm$ 0.115 χ^2 /NDF: 295510.1/12

Left: 514.802 $\pm$ 0.081 χ^2 /NDF: 563630.0/26

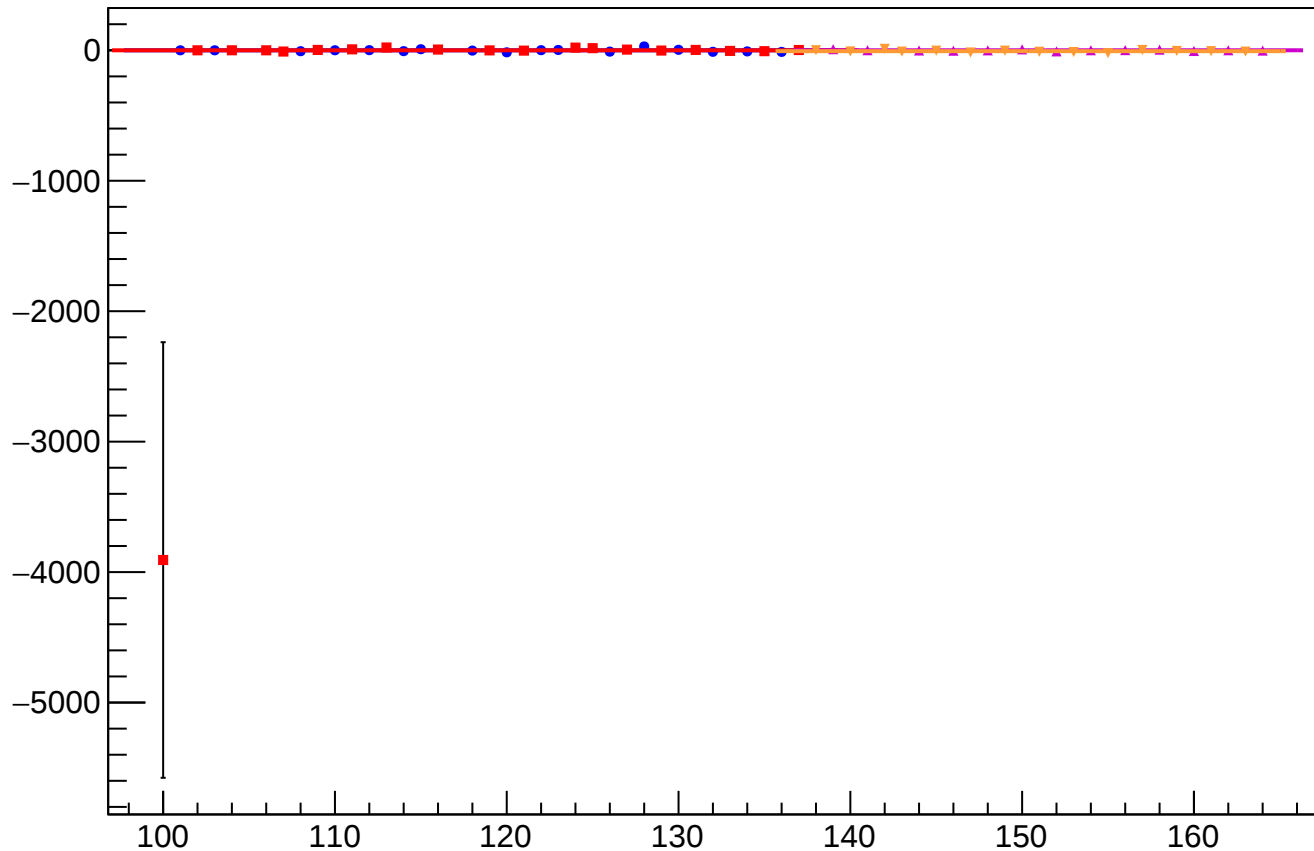
Right: 604.304 $\pm$ 0.133 χ^2 /NDF: 6689999.6/35

In: 539.442 $\pm$ 0.098 χ^2 /NDF: 3618517.6/29

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

All: 538.836 $\pm$ 0.069 χ^2 /NDF: 7584349.2/62

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2/NDF : 15.6/16

Left Out: -6.541 $\pm$ 1.316 χ^2/NDF : 30.2/13

Right Out: 0.027 $\pm$ 0.020 χ^2/NDF : 17.9/18

Left In: 0.198 $\pm$ 1.343 χ^2/NDF : 9.7/12

Left: -3.239 $\pm$ 0.940 χ^2/NDF : 52.8/26

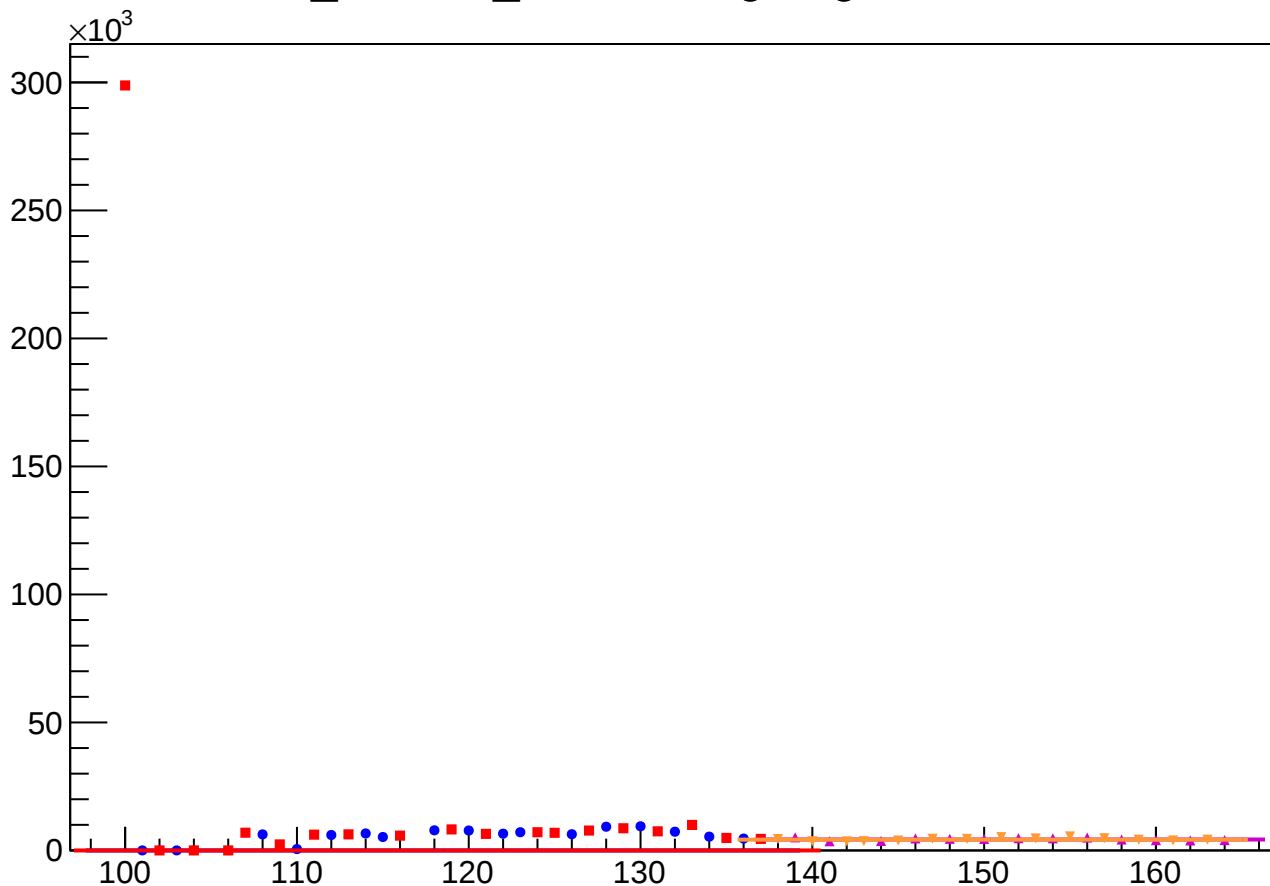
Right: 0.004 $\pm$ 0.014 χ^2/NDF : 36.4/35

In: -0.022 $\pm$ 0.021 χ^2/NDF : 25.4/29

Out: 0.025 $\pm$ 0.020 χ^2/NDF : 73.0/32

All: 0.003 $\pm$ 0.014 χ^2/NDF : 101.1/62

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: 4276.556+/-0.950 χ^2/NDF : 256885.7/12

Left: 4248.453+/-0.665 χ^2/NDF : 592029.2/26

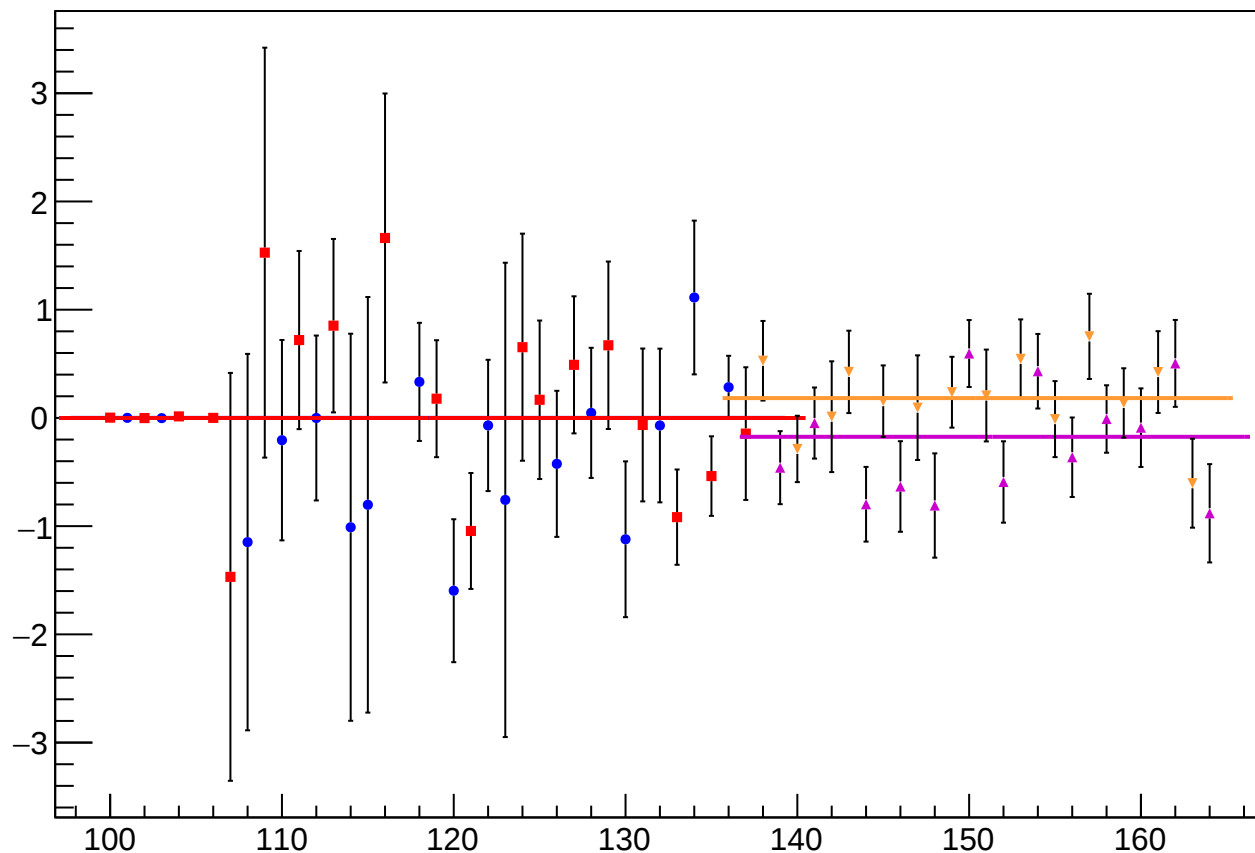
Right: 17.303+/-0.010 χ^2/NDF : 21322069.2/35

In: 18.361+/-0.015 χ^2/NDF : 30868163.5/29

Out: 18.218+/-0.014 χ^2/NDF : 31558196.7/32

All: 18.286+/-0.010 χ^2/NDF : 62426410.3/62

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 $\chi^2/\text{NDF}: 13.8/16$

Left Out: 0.183 ± 0.099 $\chi^2/\text{NDF}: 11.3/13$

Right Out: -0.001 ± 0.002 $\chi^2/\text{NDF}: 17.9/18$

Left In: -0.175 ± 0.101 $\chi^2/\text{NDF}: 23.5/12$

Left: 0.007 ± 0.071 $\chi^2/\text{NDF}: 41.2/26$

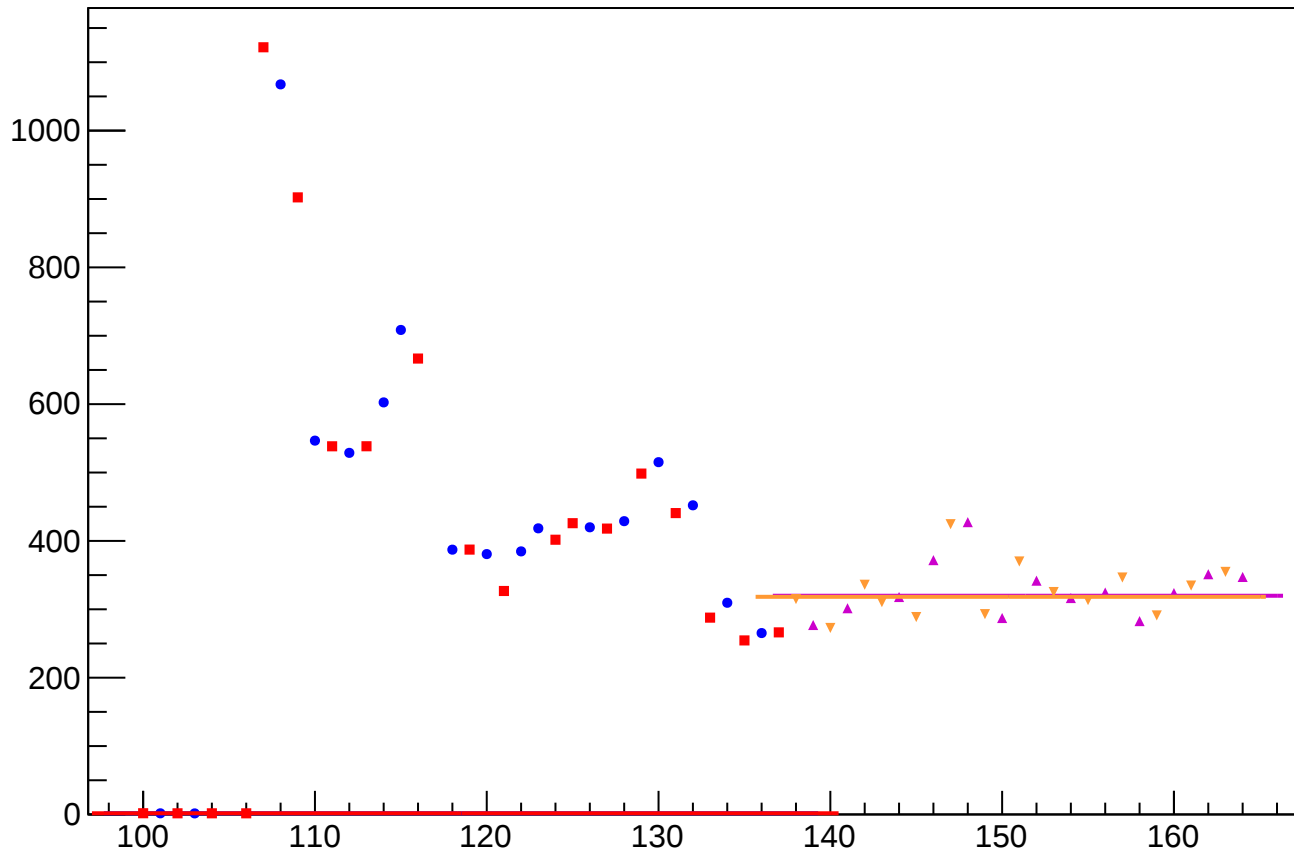
Right: -0.000 ± 0.001 $\chi^2/\text{NDF}: 31.8/35$

In: 0.000 ± 0.002 $\chi^2/\text{NDF}: 40.2/29$

Out: -0.001 ± 0.002 $\chi^2/\text{NDF}: 32.7/32$

All: -0.000 ± 0.001 $\chi^2/\text{NDF}: 73.0/62$

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: 319.819+/-0.071 χ^2/NDF : 246839.5/12

Left: 319.031+/-0.050 χ^2/NDF : 494128.2/26

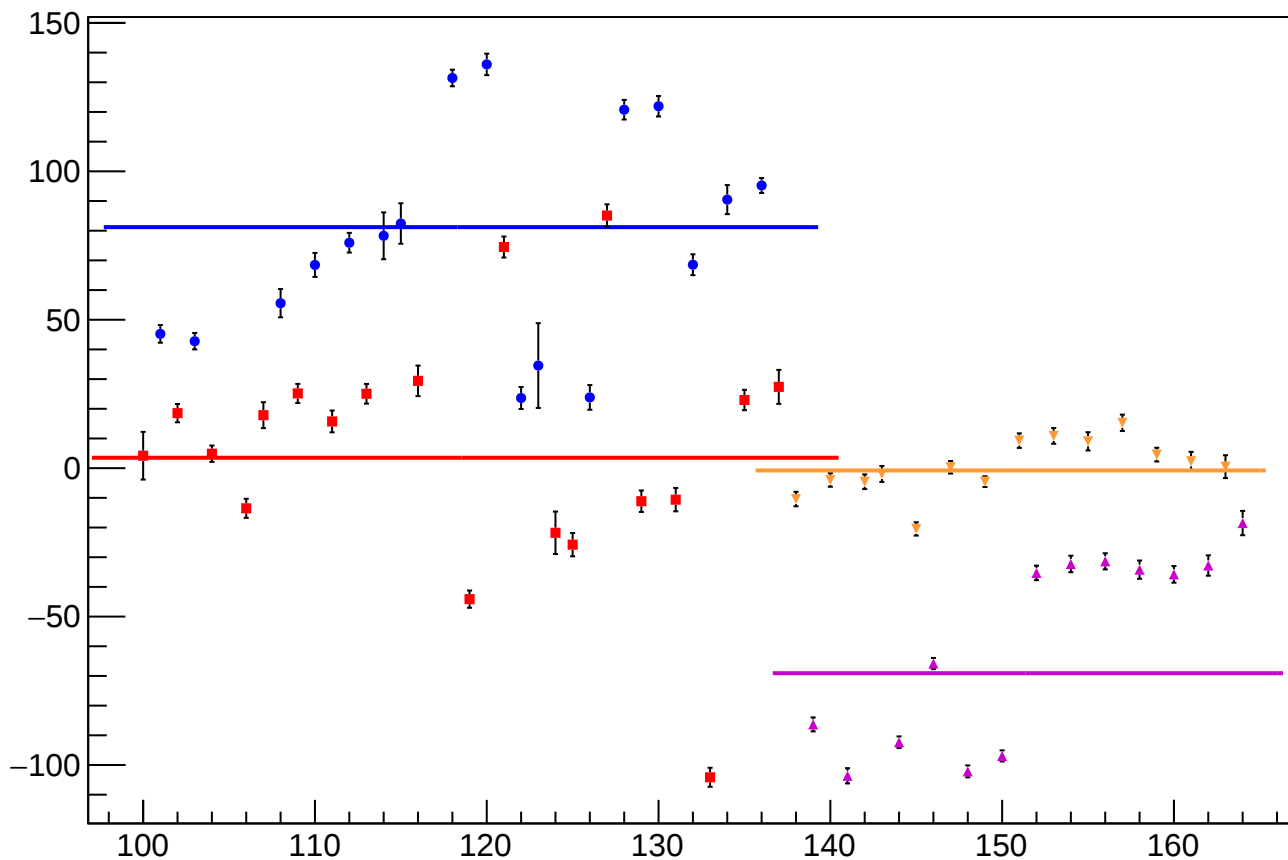
Right: 1.714+/-0.001 χ^2/NDF : 21797153.2/35

In: 1.828+/-0.001 χ^2/NDF : 31282310.6/29

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

All: 1.839+/-0.001 χ^2/NDF : 62672959.5/62

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: -69.070 ± 0.673 χ^2/NDF : 1957.8/12

Left: -34.331 ± 0.471 χ^2/NDF : 7390.0/26

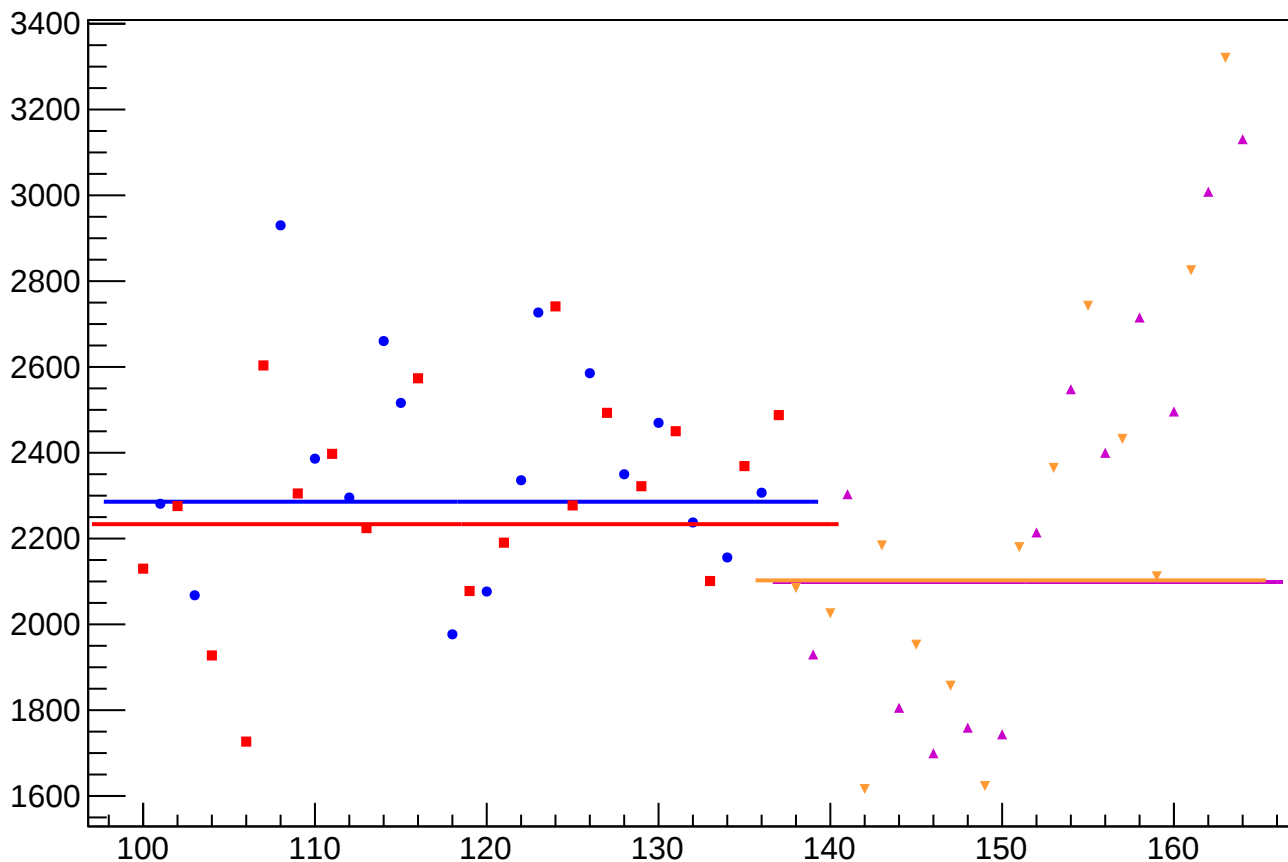
Right: 40.415 ± 0.610 χ^2/NDF : 8348.3/35

In: -14.102 ± 0.536 χ^2/NDF : 21924.0/29

Out: 0.857 ± 0.520 χ^2/NDF : 2803.7/32

All: -6.402 ± 0.373 χ^2/NDF : 25129.1/62

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2285.855 $\pm$ 0.626 χ^2 /NDF: 109336.5/16

Left Out: 2102.510 $\pm$ 0.467 χ^2 /NDF: 698179.3/13

Right Out: 2233.547 $\pm$ 0.596 χ^2 /NDF: 146848.5/18

Left In: 2098.757 $\pm$ 0.476 χ^2 /NDF: 753558.9/12

Left: 2100.666 $\pm$ 0.333 χ^2 /NDF: 1451769.9/26

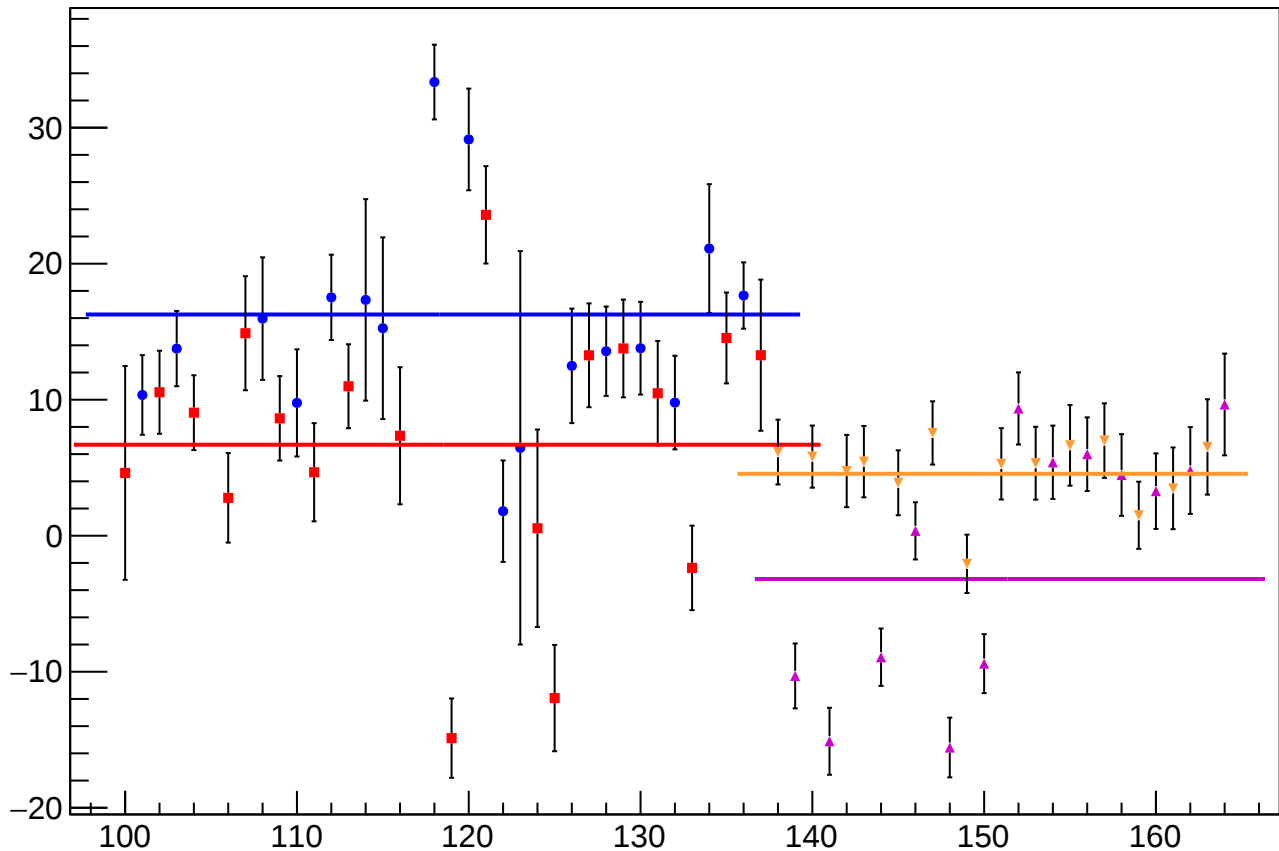
Right: 2258.395 $\pm$ 0.432 χ^2 /NDF: 259847.1/35

In: 2167.197 $\pm$ 0.379 χ^2 /NDF: 919497.8/29

Out: 2152.444 $\pm$ 0.368 χ^2 /NDF: 874971.5/32

All: 2159.603 $\pm$ 0.264 χ^2 /NDF: 1795250.1/62

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: -3.179 $\pm$ 0.700 χ^2 /NDF:156.6/12

Left: 0.764 $\pm$ 0.490 χ^2 /NDF: 234.4/26

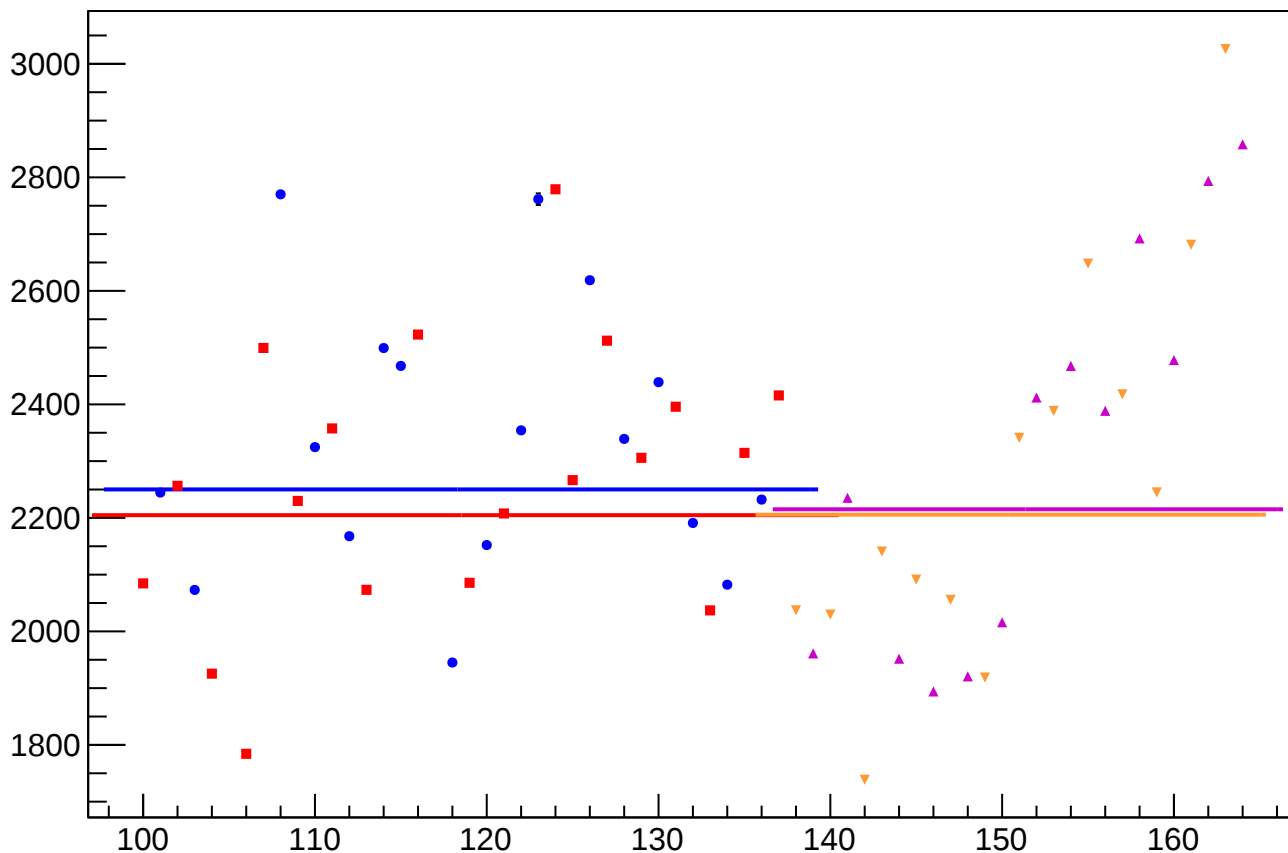
Right: 11.249 $\pm$ 0.601 χ^2 /NDF: 278.0/35

In: 4.452 $\pm$ 0.546 χ^2 /NDF:539.9/29

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

All: 4.952 $\pm$ 0.380 χ^2 /NDF: 694.9/62

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2250.175+/-0.616 χ^2/NDF : 97578.1/16

Left Out: 2205.695+/-0.486 χ^2/NDF : 364945.6/13

Right Out: 2204.789+/-0.587 χ^2/NDF : 126227.4/18

Left In: 2215.135+/-0.495 χ^2/NDF : 383519.9/12

Left: 2210.322+/-0.347 χ^2/NDF : 748650.8/26

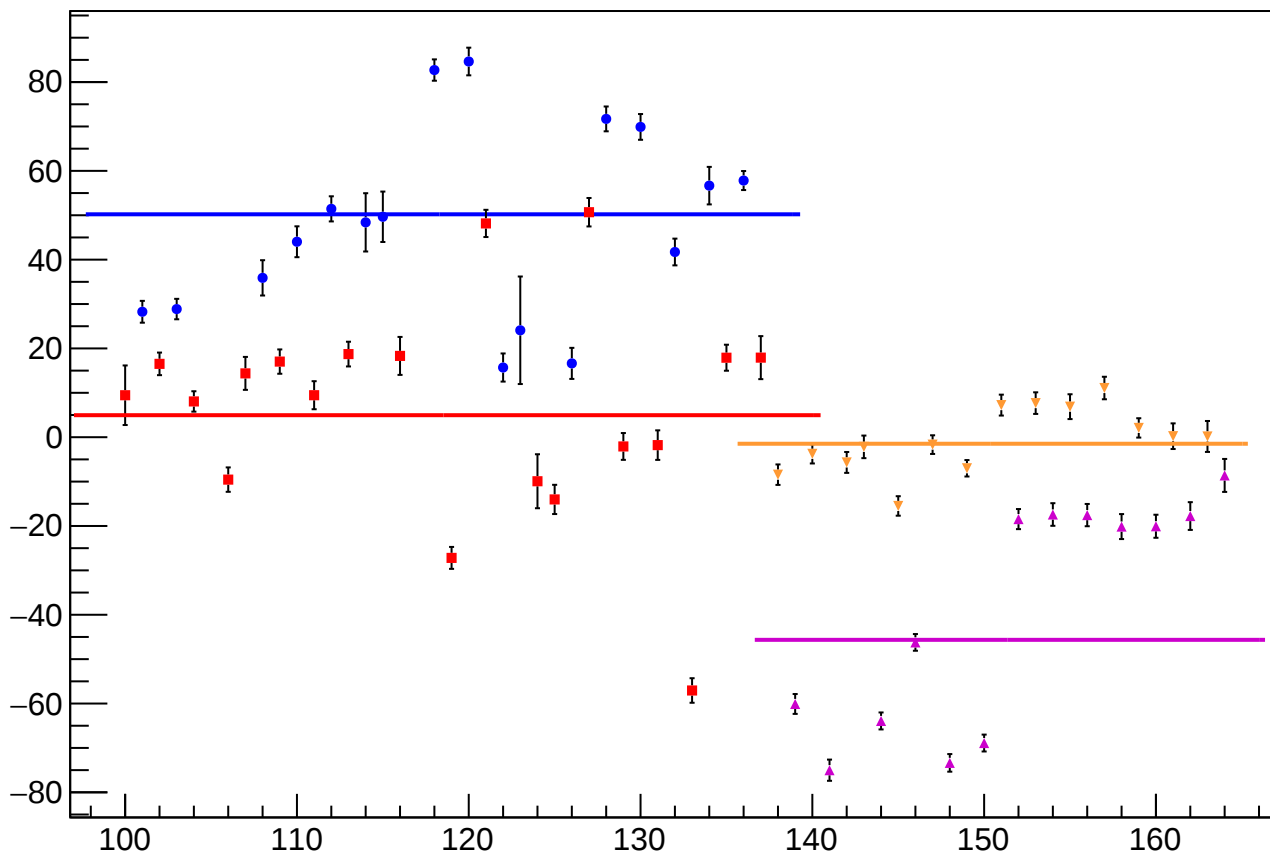
Right: 2226.396+/-0.425 χ^2/NDF : 226647.4/35

In: 2228.887+/-0.386 χ^2/NDF : 483062.2/29

Out: 2205.327+/-0.374 χ^2/NDF : 491174.5/32

All: 2216.742+/-0.269 χ^2/NDF : 976156.6/62

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.215+/-0.751 χ^2/NDF : 830.3/16

Left Out: -1.473+/-0.632 χ^2/NDF : 127.6/13

Right Out: 4.958+/-0.713 χ^2/NDF : 1262.6/18

Left In: -45.649+/-0.643 χ^2/NDF : 1380.2/12

Left: -23.173+/-0.451 χ^2/NDF : 3910.2/26

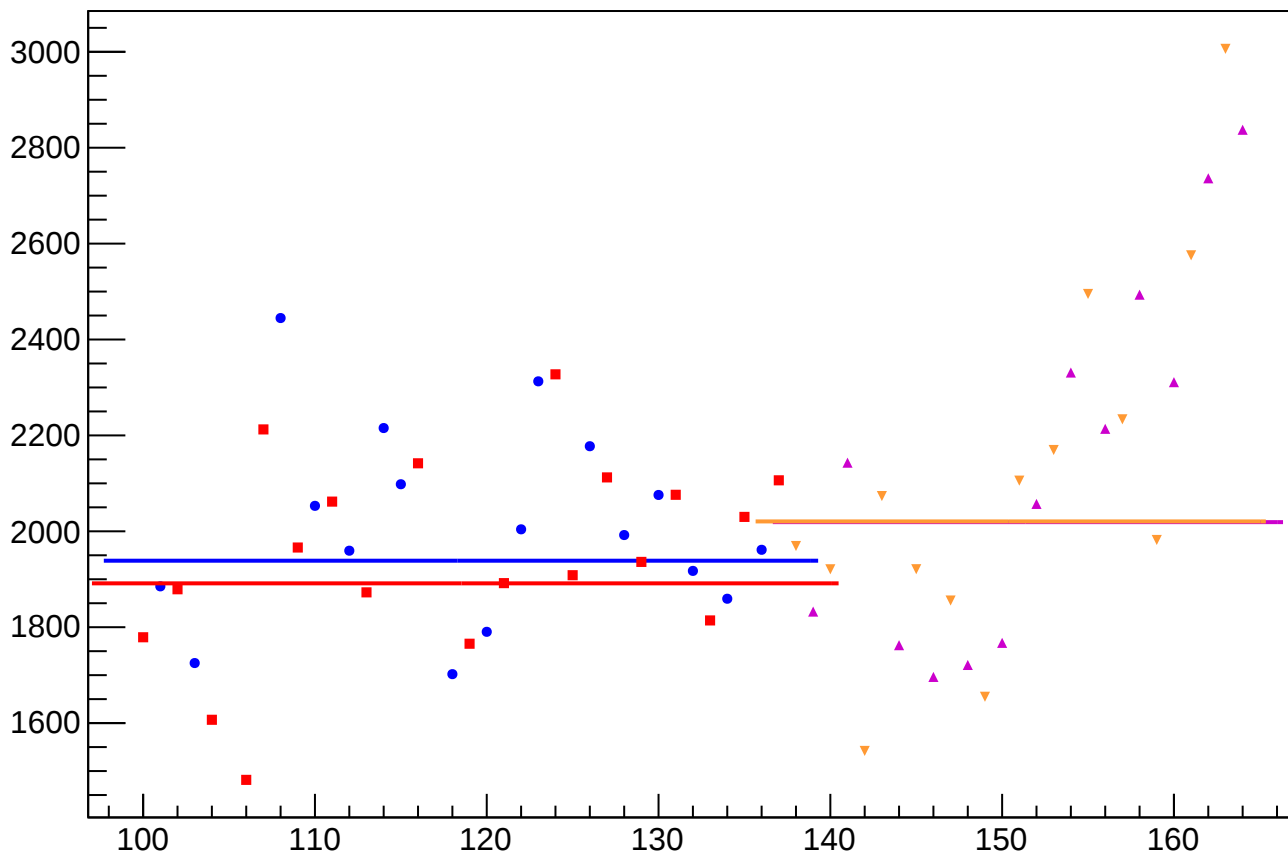
Right: 26.432+/-0.517 χ^2/NDF : 4002.4/35

In: -5.094+/-0.488 χ^2/NDF : 11617.0/29

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

All: -1.767+/-0.340 χ^2/NDF : 13142.7/62

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1938.688 $\pm$ 0.531 χ^2 /NDF: 100143.1/16

Left Out: 2020.617 $\pm$ 0.447 χ^2 /NDF: 499262.7/13

Right Out: 1891.466 $\pm$ 0.504 χ^2 /NDF: 146622.8/18

Left In: 2019.136 $\pm$ 0.455 χ^2 /NDF: 521391.5/12

Left: 2019.890 $\pm$ 0.319 χ^2 /NDF: 1020659.6/26

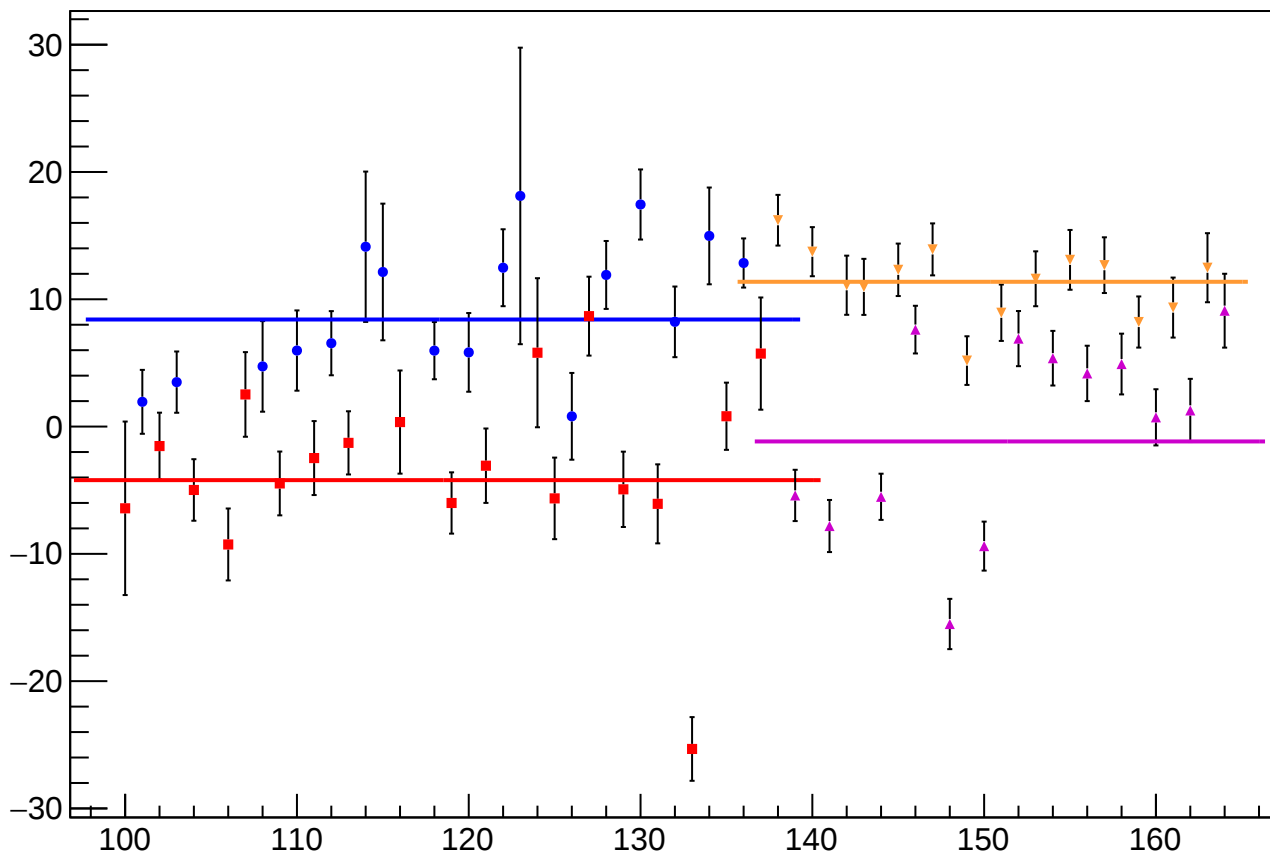
Right: 1913.873 $\pm$ 0.366 χ^2 /NDF: 250923.8/35

In: 1985.103 $\pm$ 0.345 χ^2 /NDF: 634783.3/29

Out: 1963.859 $\pm$ 0.334 χ^2 /NDF: 682626.3/32

All: 1974.141 $\pm$ 0.240 χ^2 /NDF: 1319362.7/62

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.411 ± 0.711 χ^2/NDF : 44.6/16

Left Out: 11.374 ± 0.574 χ^2/NDF : 25.2/13

Right Out: -4.208 ± 0.682 χ^2/NDF : 113.1/18

Left In: -1.169 ± 0.587 χ^2/NDF : 163.6/12

Left: 5.241 ± 0.410 χ^2/NDF : 422.3/26

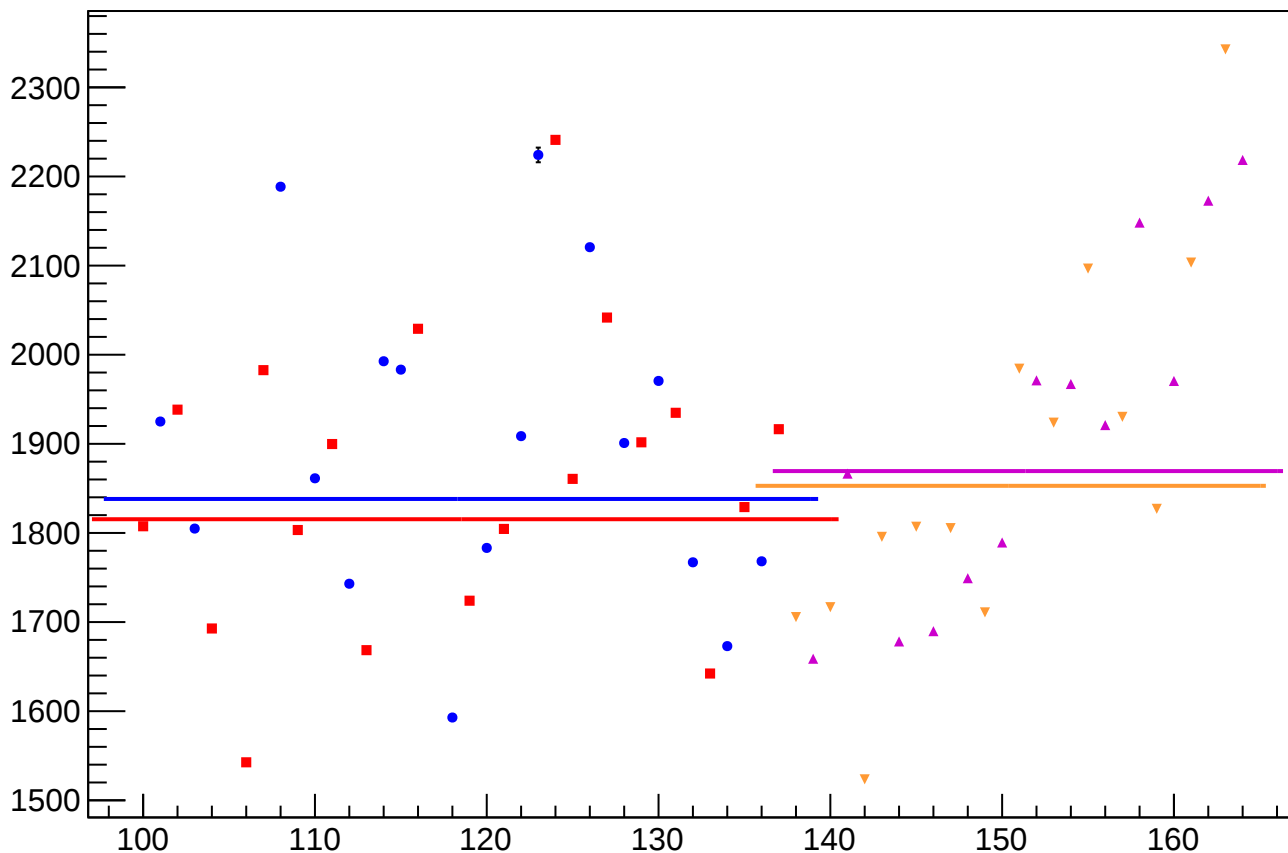
Right: 1.840 ± 0.492 χ^2/NDF : 321.6/35

In: 2.711 ± 0.453 χ^2/NDF : 316.2/29

Out: 4.916 ± 0.439 χ^2/NDF : 443.6/32

All: 3.847 ± 0.315 χ^2/NDF : 772.0/62

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1838.143+/-0.503 χ^2/NDF : 82878.7/16

Left Out: 1852.885+/-0.406 χ^2/NDF :196888.2/13

Right Out: 1815.403+/-0.483 χ^2/NDF : 87419.0/18

Left In: 1869.430+/-0.415 χ^2/NDF :173369.9/12

Left: 1860.976+/-0.290 χ^2/NDF : 371070.4/26

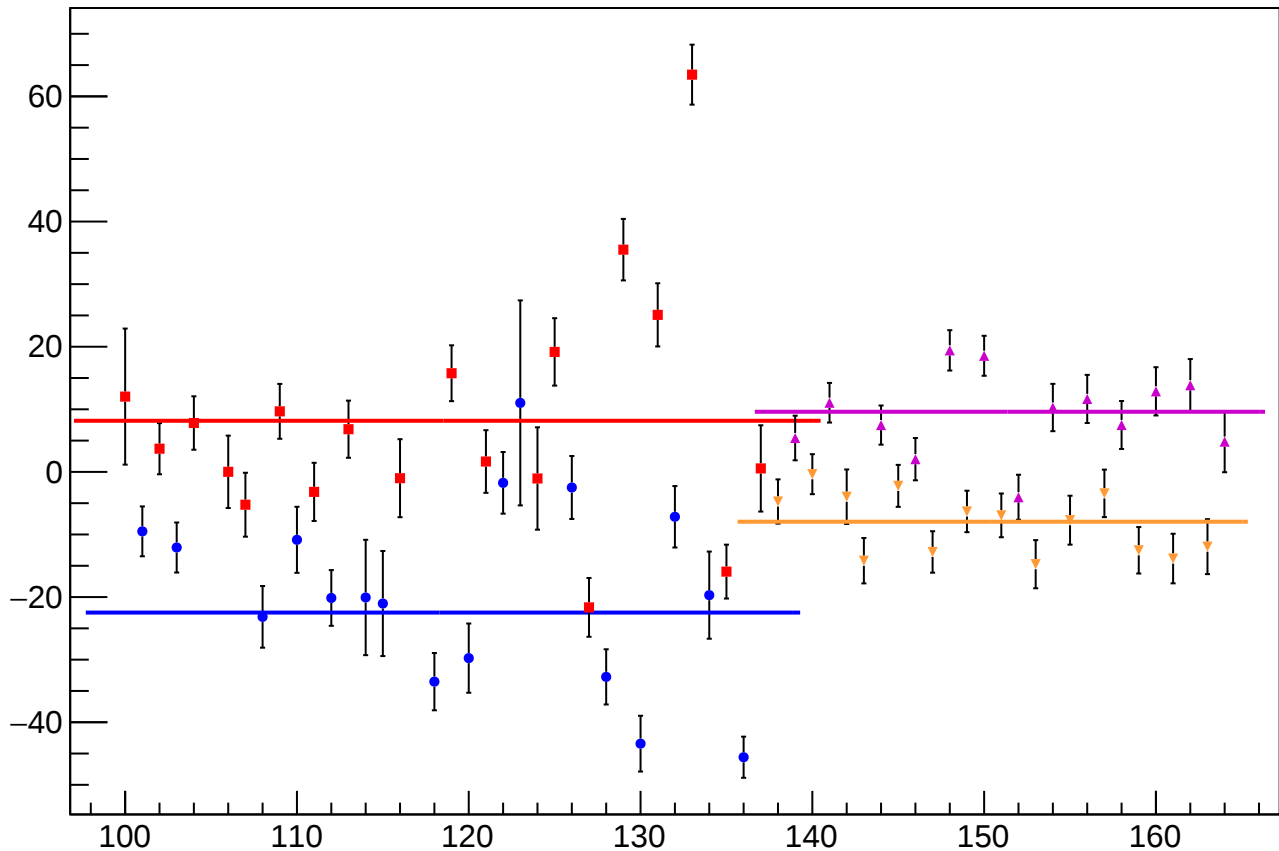
Right: 1826.303+/-0.348 χ^2/NDF : 171362.3/35

In: 1856.757+/-0.320 χ^2/NDF :258551.2/29

Out: 1837.351+/-0.311 χ^2/NDF :287840.5/32

All: 1846.764+/-0.223 χ^2/NDF : 548284.7/62

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: 9.609 ± 0.994 χ^2/NDF : 41.9/12

Left: 0.659 ± 0.696 χ^2/NDF : 225.7/26

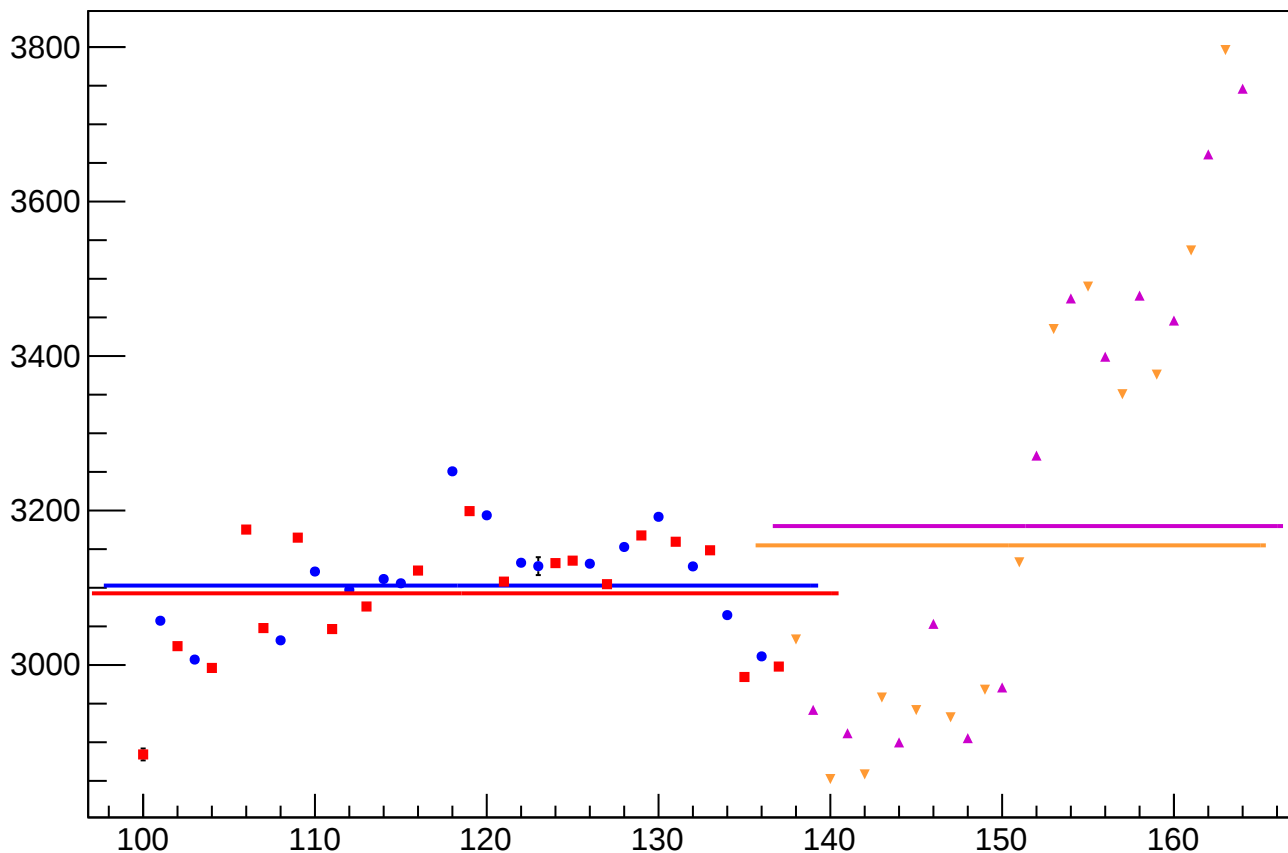
Right: -6.656 ± 0.831 χ^2/NDF : 771.3/35

In: -3.521 ± 0.764 χ^2/NDF : 622.8/29

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

All: -2.359 ± 0.534 χ^2/NDF : 1042.5/62

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: 3179.876 $\pm$ 0.703 χ^2 /NDF:160021.8/12

Left: 3167.152 $\pm$ 0.492 χ^2 /NDF: 318606.0/26

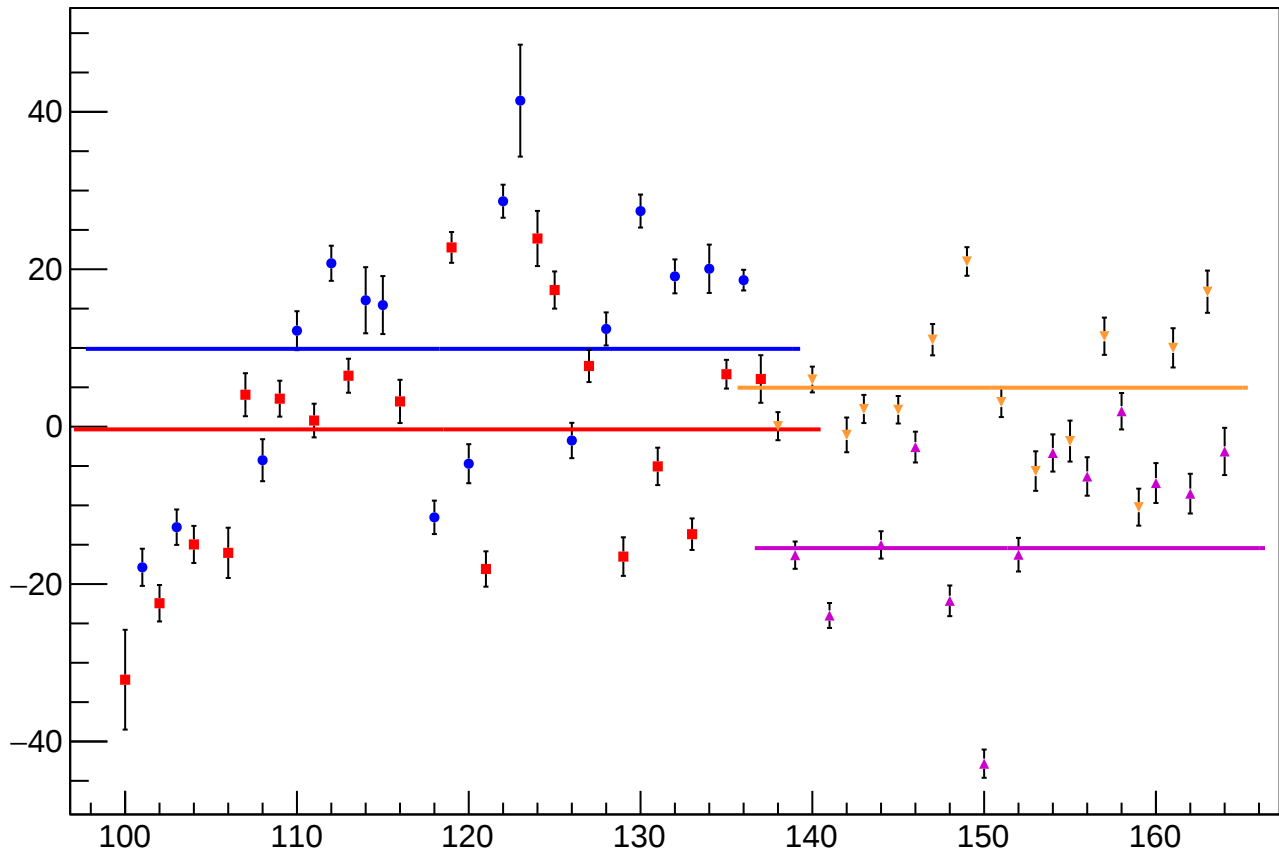
Right: 3097.657 $\pm$ 0.588 χ^2 /NDF: 15181.4/35

In: 3148.355 $\pm$ 0.540 χ^2 /NDF:172278.7/29

Out: 3129.074 $\pm$ 0.527 χ^2 /NDF:169073.6/32

All: 3138.478 $\pm$ 0.377 χ^2 /NDF: 342004.3/62

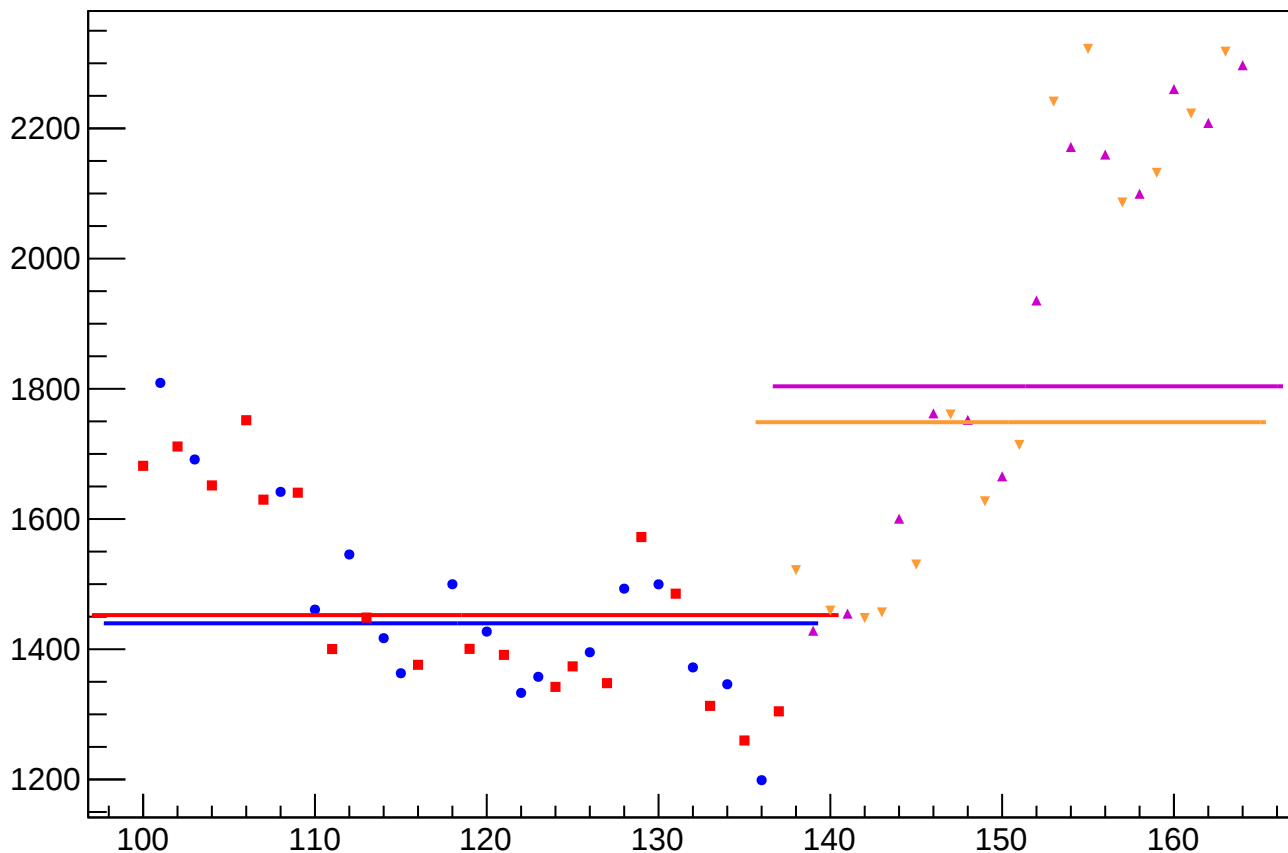
diff_bpm0l01Y_mean vs Slug, Sign Corrected



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: -15.431 ± 0.570 $\chi^2/\text{NDF}: 448.6/12$

Left: -4.835 ± 0.395 $\chi^2/\text{NDF}: 1319.3/26$
 Right: 4.654 ± 0.391 $\chi^2/\text{NDF}: 1503.6/35$
 In: -2.525 ± 0.399 $\chi^2/\text{NDF}: 2156.2/29$
 Out: 2.296 ± 0.387 $\chi^2/\text{NDF}: 882.8/32$
 All: -0.040 ± 0.278 $\chi^2/\text{NDF}: 3114.1/62$

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1439.826 ± 0.396 $\chi^2/\text{NDF}: 172823.5/16$

Left Out: 1748.741 ± 0.388 $\chi^2/\text{NDF}: 656396.4/13$

Right Out: 1452.452 ± 0.387 $\chi^2/\text{NDF}: 138519.7/18$

Left In: 1803.860 ± 0.403 $\chi^2/\text{NDF}: 533759.4/12$

Left: 1775.208 ± 0.280 $\chi^2/\text{NDF}: 1199861.4/26$

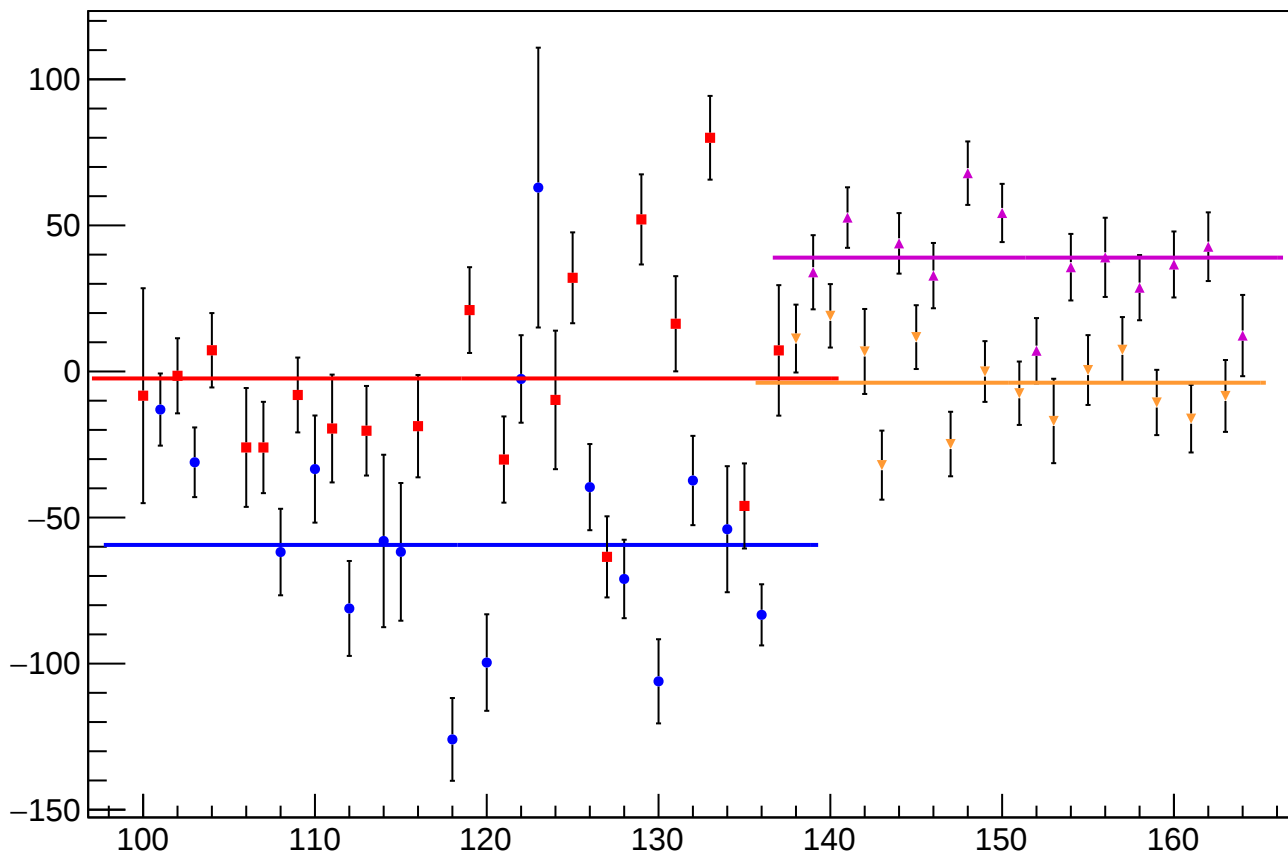
Right: 1446.283 ± 0.277 $\chi^2/\text{NDF}: 311864.1/35$

In: 1618.303 ± 0.282 $\chi^2/\text{NDF}: 1121711.2/29$

Out: 1600.216 ± 0.274 $\chi^2/\text{NDF}: 1087687.7/32$

All: 1608.978 ± 0.197 $\chi^2/\text{NDF}: 2211513.1/62$

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -59.374 $\pm$ 3.729 χ^2 /NDF: 92.9/16

Left Out: -3.850 $\pm$ 3.102 χ^2 /NDF:21.9/13

Right Out: -2.388 $\pm$ 3.630 χ^2 /NDF: 93.9/18

Left In: 38.968 $\pm$ 3.149 χ^2 /NDF:24.8/12

Left: 17.233 $\pm$ 2.210 χ^2 /NDF: 140.5/26

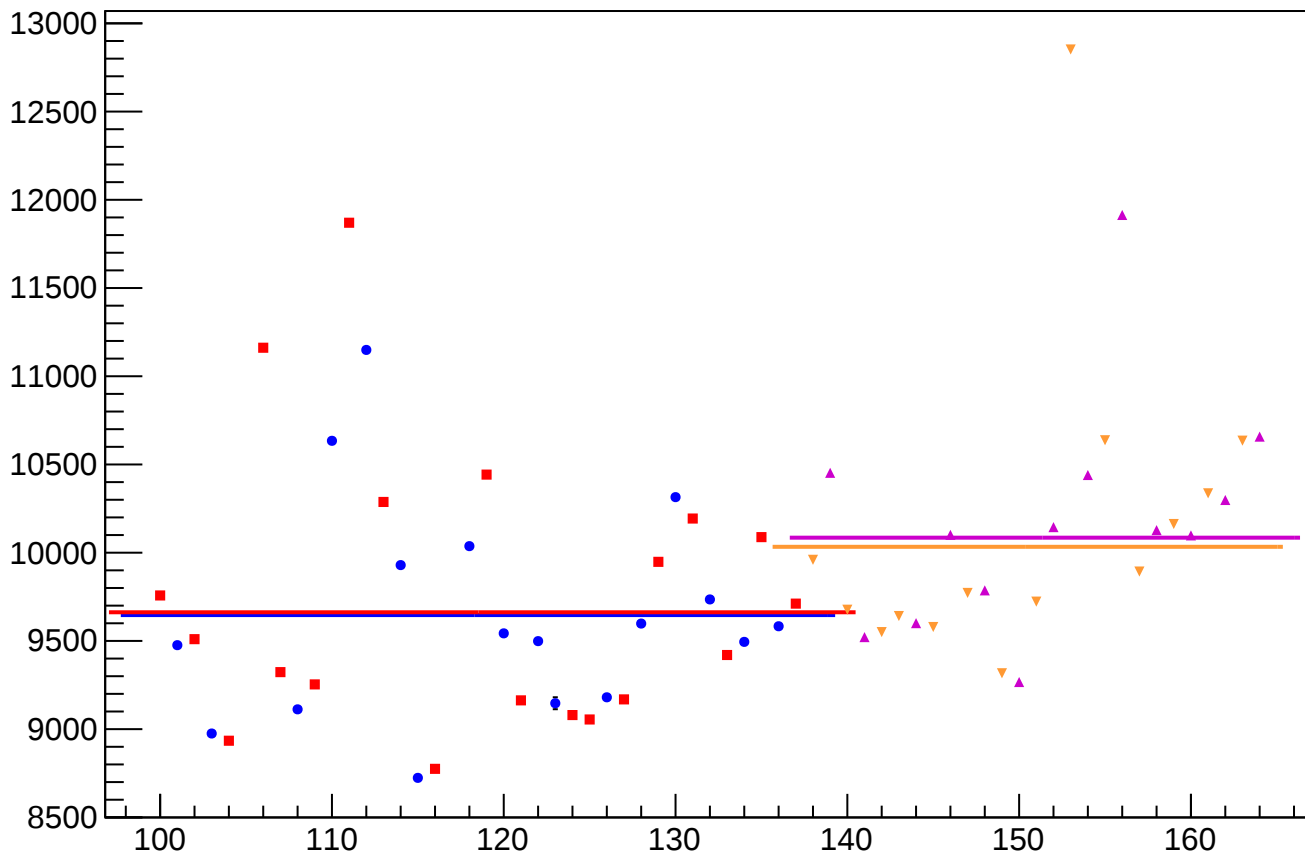
Right: -30.113 $\pm$ 2.601 χ^2 /NDF: 306.8/35

In: -1.976 $\pm$ 2.406 χ^2 /NDF:523.6/29

Out: -3.233 $\pm$ 2.358 χ^2 /NDF:115.9/32

All: -2.617 $\pm$ 1.684 χ^2 /NDF: 639.7/62

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: 10085.140+/-2.227 χ^2/NDF : 69428.2/12

Left: 10058.868+/-1.563 χ^2/NDF : 180032.5/26

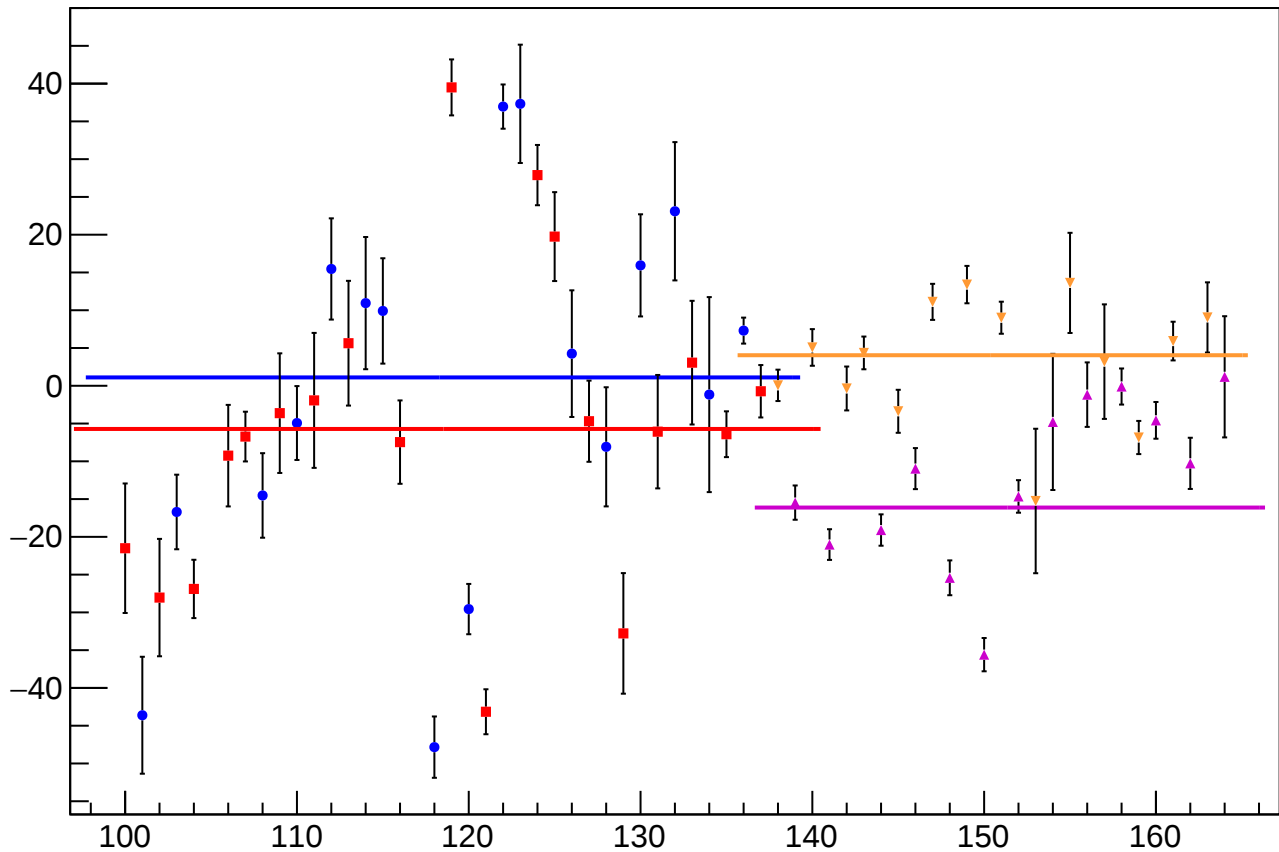
Right: 9654.635+/-1.839 χ^2/NDF : 121662.9/35

In: 9902.507+/-1.701 χ^2/NDF : 129643.2/29

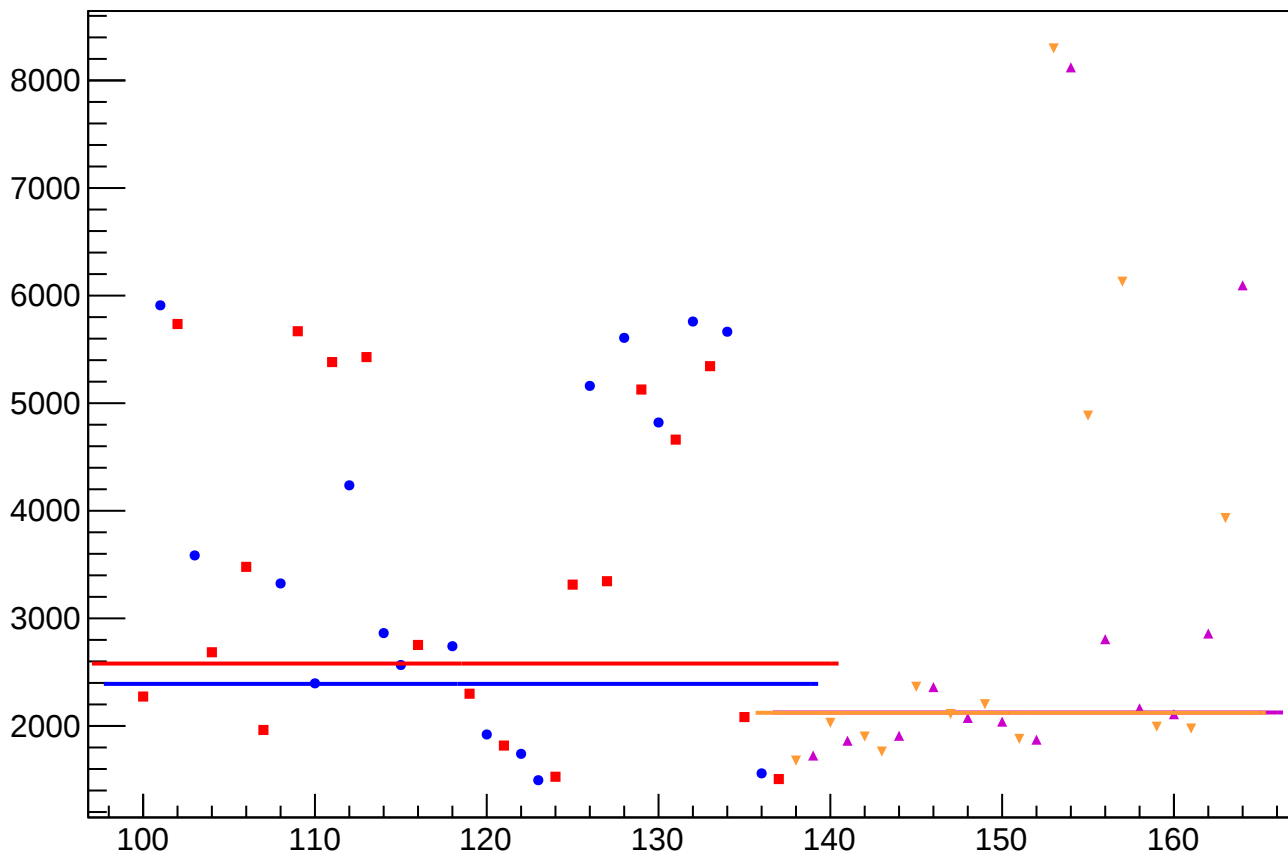
Out: 9876.798+/-1.667 χ^2/NDF : 199992.0/32

All: 9889.393+/-1.191 χ^2/NDF : 329751.6/62

diff_bpm0l02Y_mean vs Slug, Sign Corrected



diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2391.162 ± 0.754 $\chi^2/\text{NDF}: 2600547.2/16$

Left Out: 2122.372 ± 0.516 $\chi^2/\text{NDF}: 2260798.0/13$

Right Out: 2580.040 ± 0.772 $\chi^2/\text{NDF}: 2365271.4/18$

Left In: 2125.292 ± 0.509 $\chi^2/\text{NDF}: 1684296.8/12$

Left: 2123.852 ± 0.363 $\chi^2/\text{NDF}: 3945111.1/26$

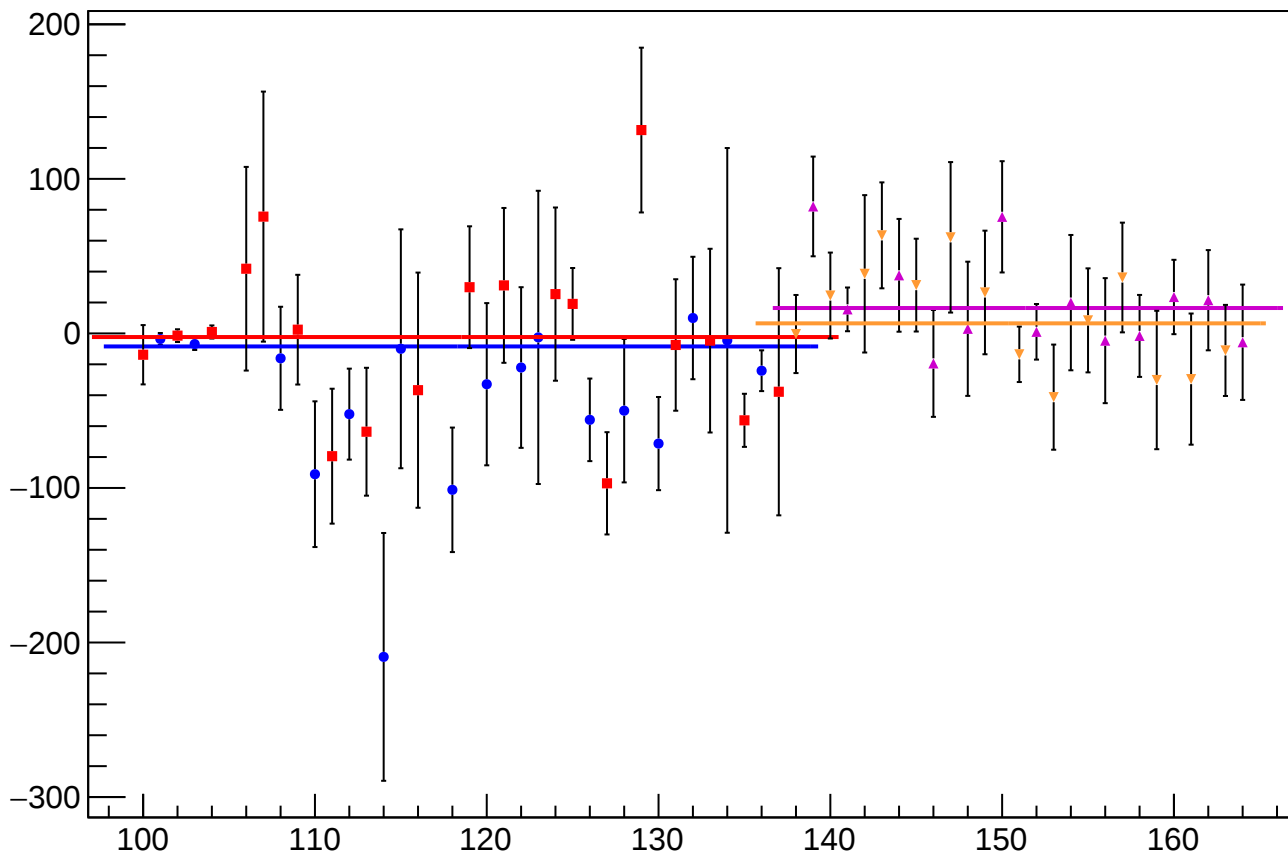
Right: 2483.443 ± 0.539 $\chi^2/\text{NDF}: 4996468.7/35$

In: 2208.569 ± 0.422 $\chi^2/\text{NDF}: 4370211.7/29$

Out: 2263.955 ± 0.429 $\chi^2/\text{NDF}: 4869089.7/32$

All: 2235.801 ± 0.301 $\chi^2/\text{NDF}: 9247769.4/62$

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: 16.429 $\pm$ 7.476 χ^2/NDF : 10.3/12

Left: 12.056 $\pm$ 5.590 χ^2/NDF : 22.6/26

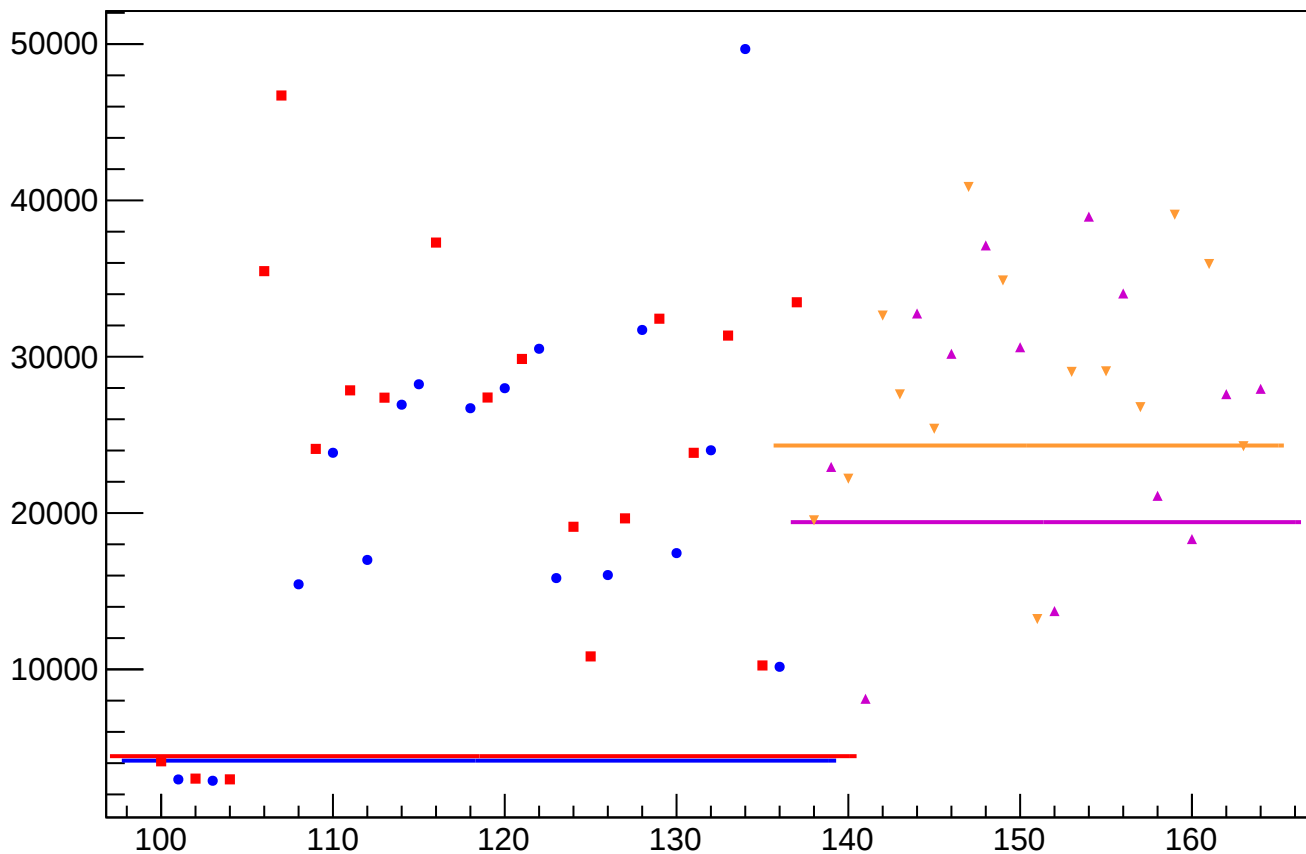
Right: -5.615 $\pm$ 1.896 χ^2/NDF : 66.1/35

In: -5.771 $\pm$ 2.445 χ^2/NDF : 49.1/29

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

All: -3.791 $\pm$ 1.796 χ^2/NDF : 97.7/62

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: 19418.313+/-5.287 χ^2/NDF : 3391592.4/12

Left: 21579.423+/-3.953 χ^2/NDF : 5519021.8/26

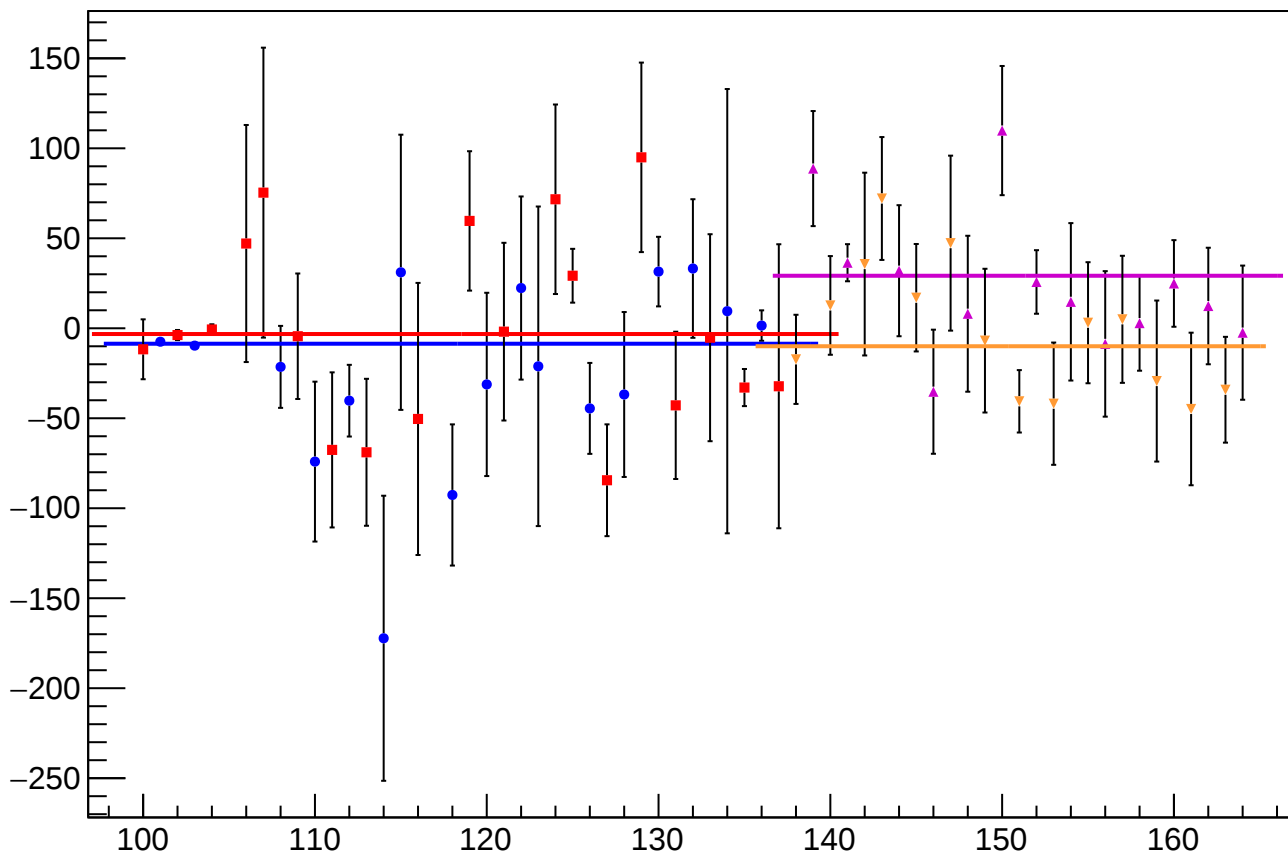
Right: 4294.168+/-1.341 χ^2/NDF : 13428219.0/35

In: 5794.110+/-1.729 χ^2/NDF : 16818708.0/29

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

All: 6077.551+/-1.270 χ^2/NDF : 36094643.5/60

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: 29.185 $\pm$ 6.673 χ^2/NDF : 15.8/12

Left: 13.837 $\pm$ 5.204 χ^2/NDF : 44.7/26

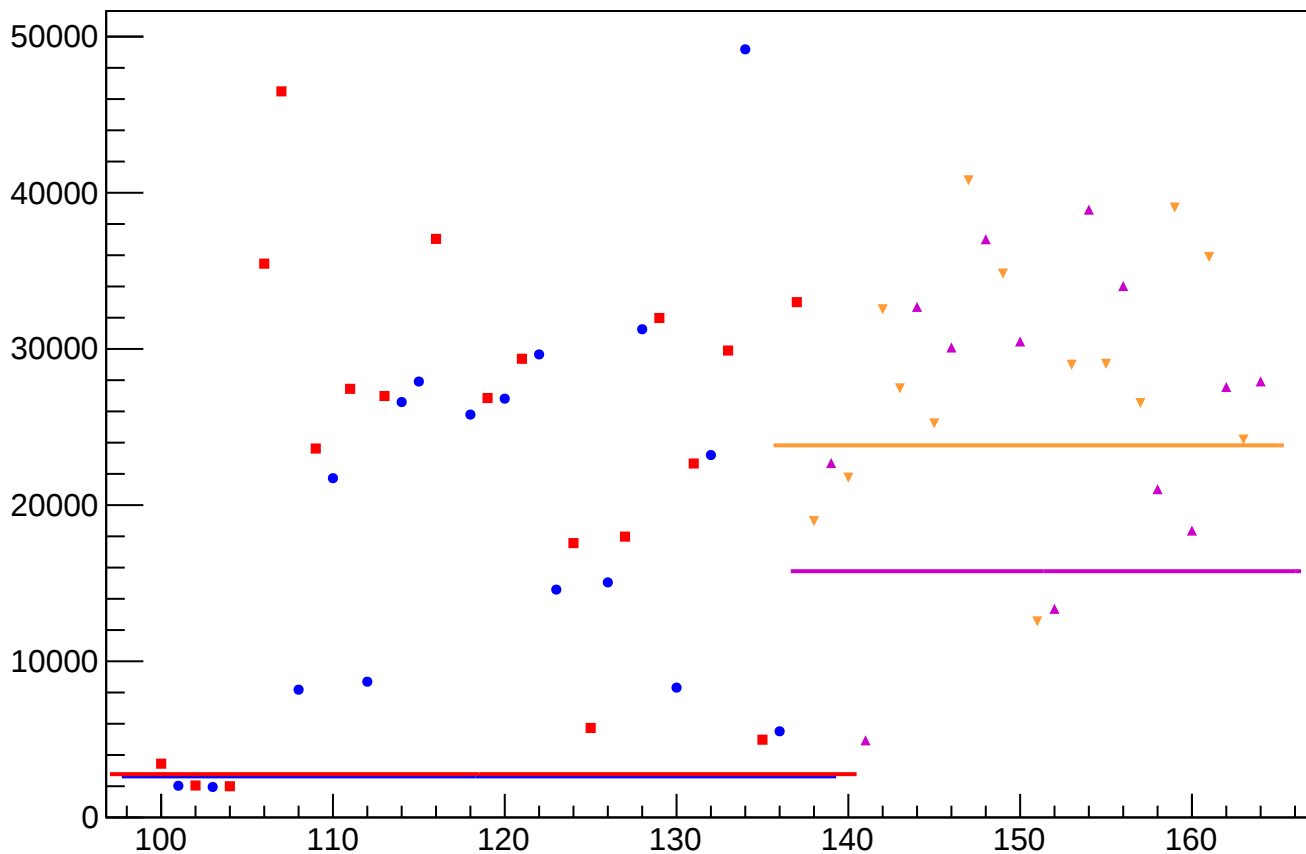
Right: -6.100 $\pm$ 1.305 χ^2/NDF : 65.5/35

In: -6.083 $\pm$ 1.718 χ^2/NDF : 70.1/29

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

All: -4.920 $\pm$ 1.266 χ^2/NDF : 124.1/62

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2630.547 ± 1.257 $\chi^2/\text{NDF}: 5588981.6/16$

Left Out: 23828.469 ± 5.878 $\chi^2/\text{NDF}: 1914945.7/13$

Right Out: 2773.446 ± 1.359 $\chi^2/\text{NDF}: 7835878.7/18$

Left In: 15768.871 ± 4.718 $\chi^2/\text{NDF}: 5481540.4/12$

Left: 18926.942 ± 3.680 $\chi^2/\text{NDF}: 8539794.1/26$

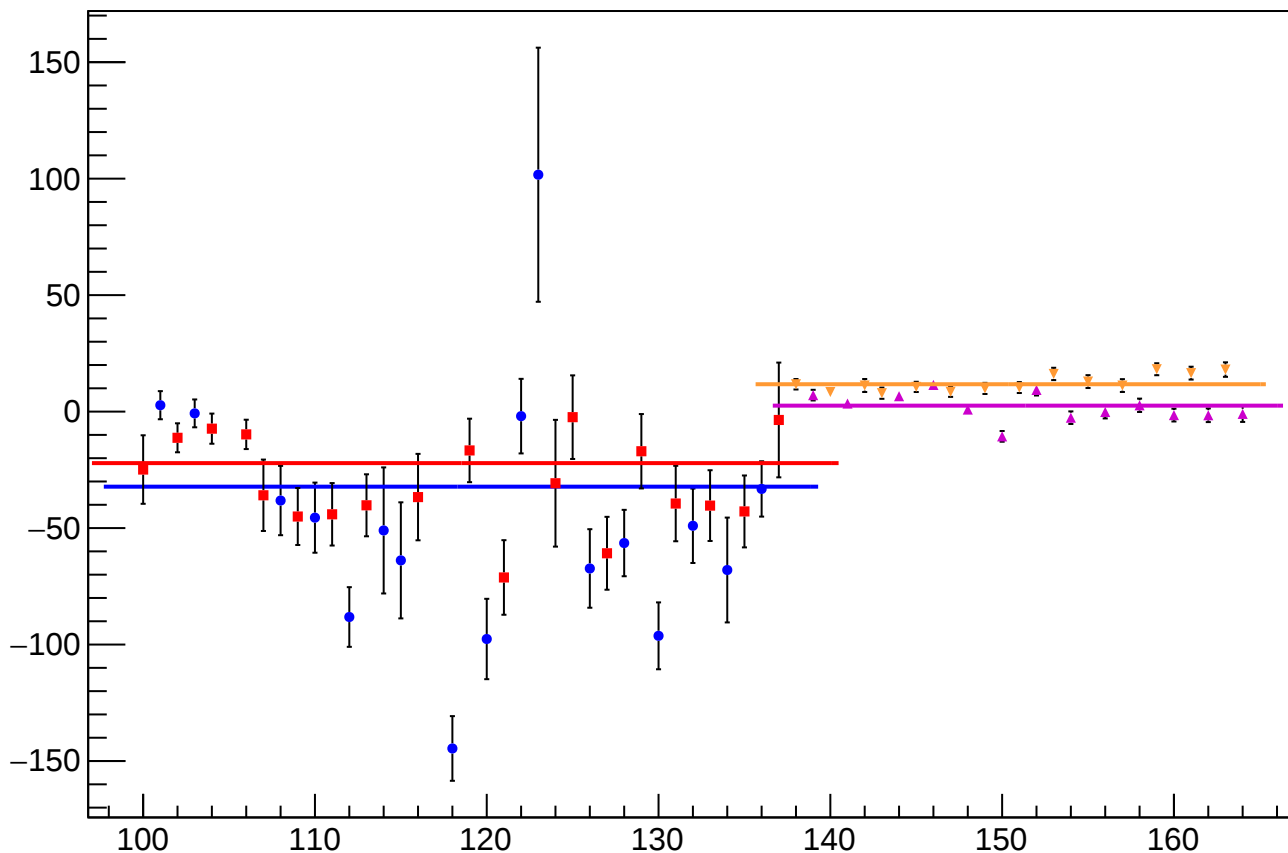
Right: 2696.425 ± 0.923 $\chi^2/\text{NDF}: 13430817.7/35$

In: 3501.308 ± 1.215 $\chi^2/\text{NDF}: 18310318.7/29$

Out: 3842.098 ± 1.324 $\chi^2/\text{NDF}: 21929727.5/32$

All: 3657.020 ± 0.895 $\chi^2/\text{NDF}: 40276011.1/6$

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: 2.558 ± 0.678 χ^2/NDF : 77.1/12

Left: 7.262 ± 0.474 χ^2/NDF : 195.9/26

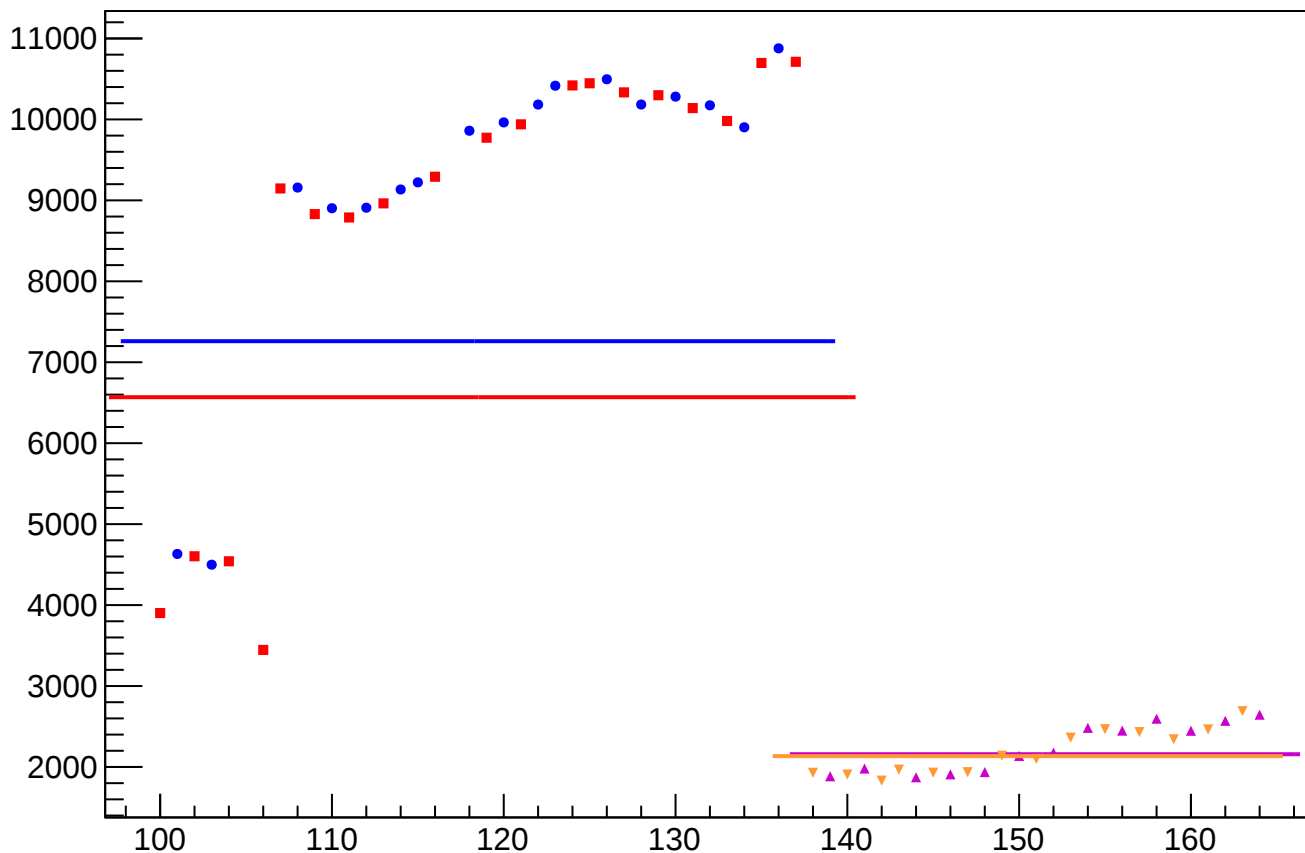
Right: -26.609 ± 1.989 χ^2/NDF : 253.7/35

In: 0.848 ± 0.661 χ^2/NDF : 410.2/29

Out: 9.787 ± 0.643 χ^2/NDF : 220.0/32

All: 5.443 ± 0.461 χ^2/NDF : 724.2/62

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: 2157.545 $\pm$ 0.479 χ^2 /NDF: 330485.6/12

Left: 2145.452 $\pm$ 0.335 χ^2 /NDF: 610879.7/26

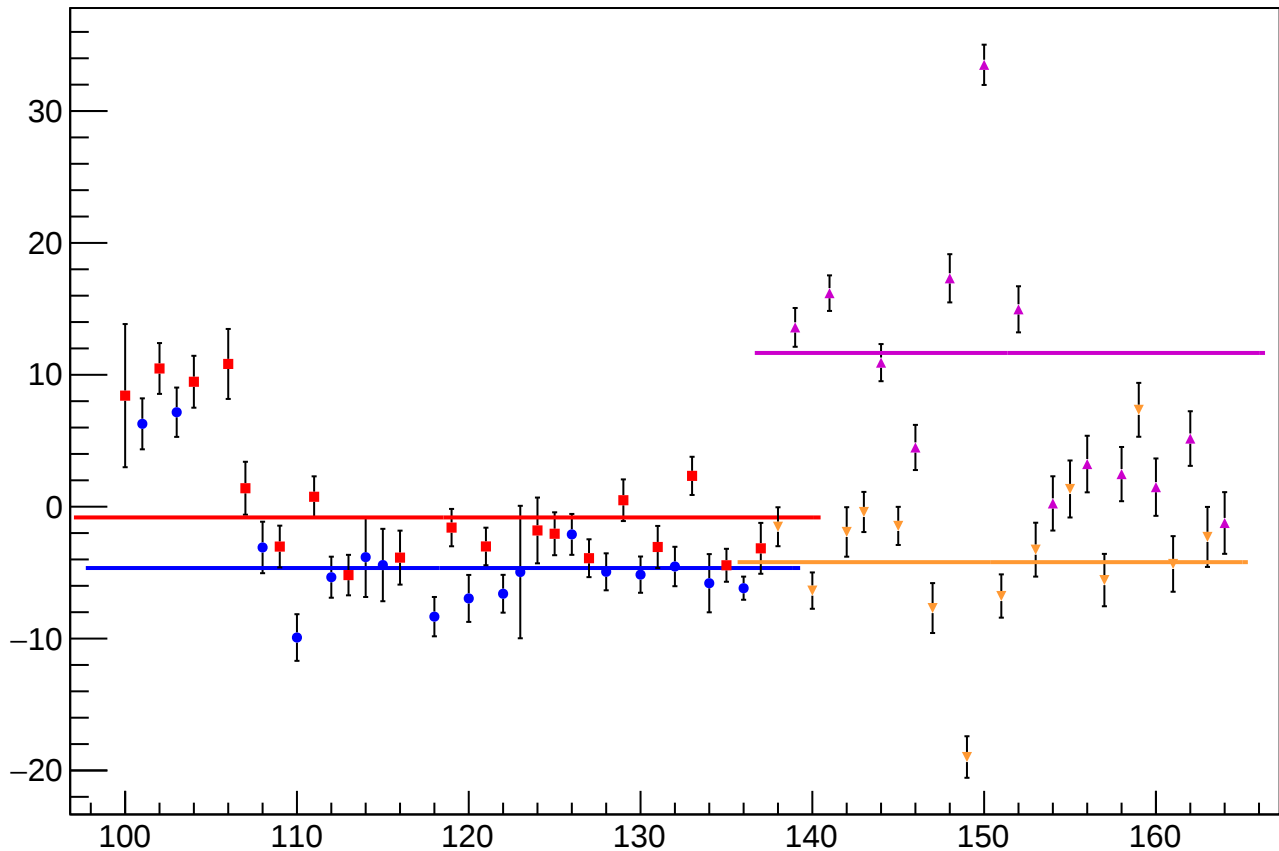
Right: 6876.033 $\pm$ 1.406 χ^2 /NDF: 3892707.9/35

In: 2408.404 $\pm$ 0.467 χ^2 /NDF: 7537021.2/29

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

All: 2399.443 $\pm$ 0.326 χ^2 /NDF: 15212686.2/66

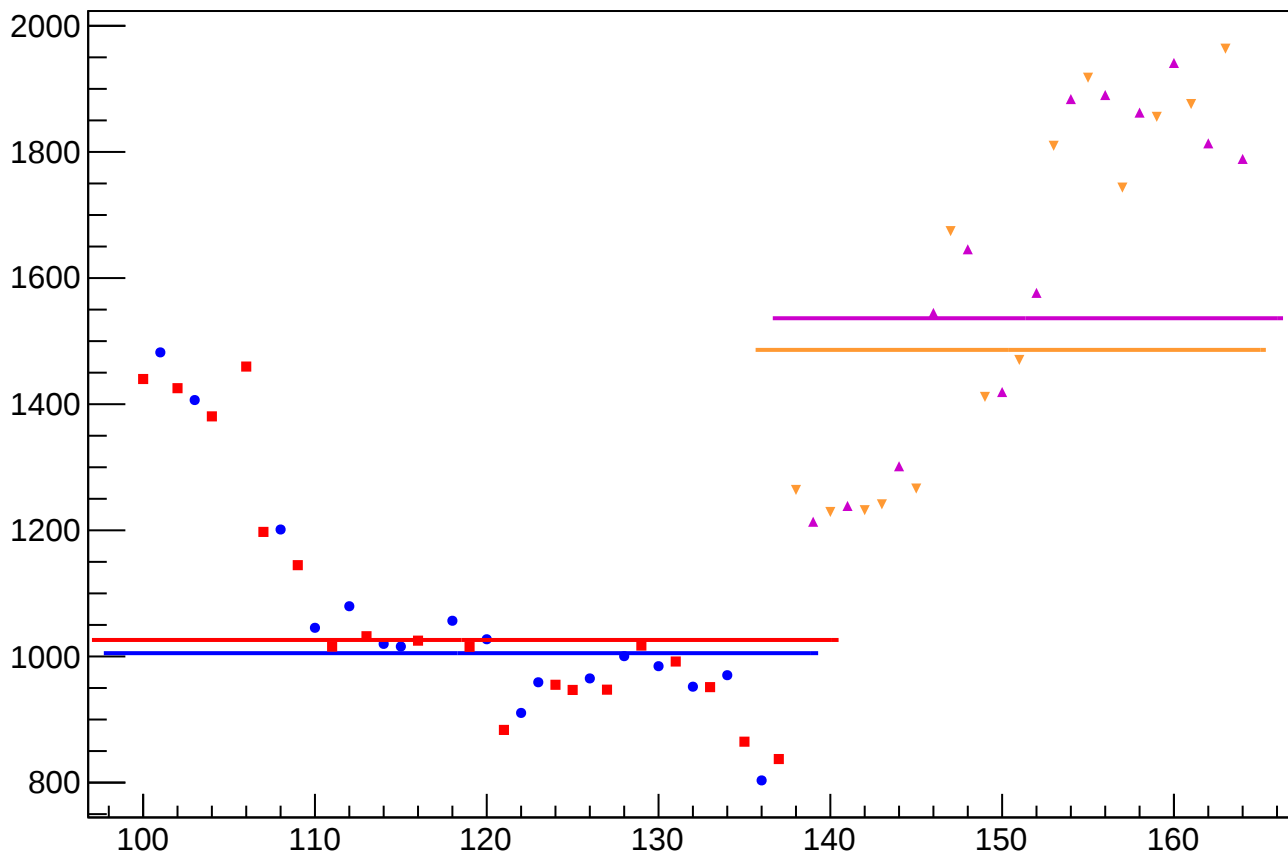
diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.651 ± 0.393 $\chi^2/\text{NDF}: 97.6/16$
 Left Out: -4.205 ± 0.466 $\chi^2/\text{NDF}: 150.9/13$
 Right Out: -0.814 ± 0.388 $\chi^2/\text{NDF}: 123.7/18$
 Left In: 11.657 ± 0.486 $\chi^2/\text{NDF}: 376.9/12$

Left: 3.396 ± 0.337 $\chi^2/\text{NDF}: 1082.1/26$
 Right: -2.712 ± 0.276 $\chi^2/\text{NDF}: 269.5/35$
 In: 1.787 ± 0.305 $\chi^2/\text{NDF}: 1155.5/29$
 Out: -2.203 ± 0.298 $\chi^2/\text{NDF}: 305.7/32$
 All: -0.254 ± 0.213 $\chi^2/\text{NDF}: 1548.5/62$

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1005.227 ± 0.278 χ^2/NDF : 361954.2/16

Left Out: 1486.127 ± 0.330 χ^2/NDF : 659449.2/13

Right Out: 1026.158 ± 0.275 χ^2/NDF : 333119.0/18

Left In: 1536.299 ± 0.344 χ^2/NDF : 559539.4/12

Left: 1510.169 ± 0.238 χ^2/NDF : 1230080.0/26

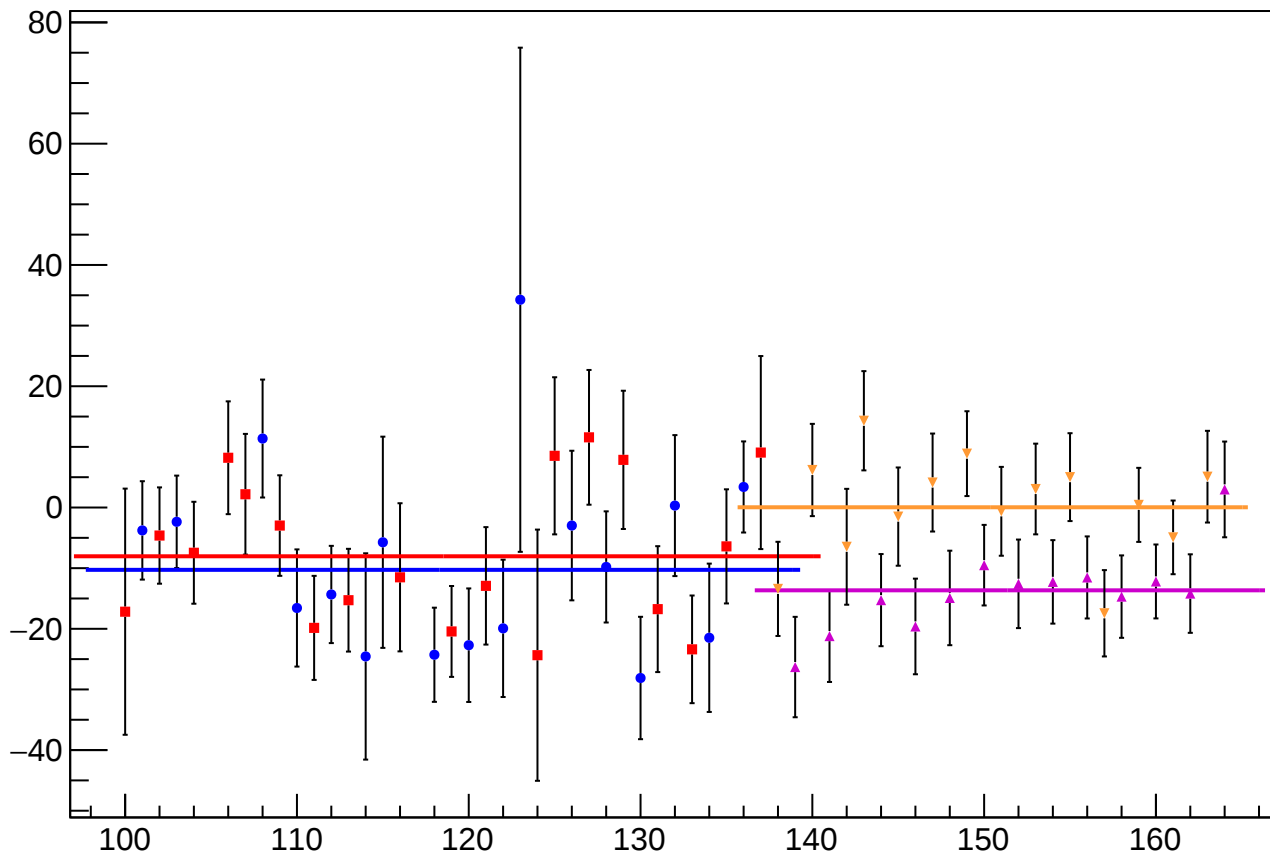
Right: 1015.803 ± 0.195 χ^2/NDF : 697945.4/35

In: 1214.854 ± 0.216 χ^2/NDF : 2365835.3/29

Out: 1214.587 ± 0.211 χ^2/NDF : 2141049.2/32

All: 1214.717 ± 0.151 χ^2/NDF : 4506885.3/62

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.277 ± 2.408 χ^2/NDF : 23.5/16

Left Out: 0.040 ± 1.971 χ^2/NDF : 16.8/13

Right Out: -8.041 ± 2.278 χ^2/NDF : 22.8/18

Left In: -13.655 ± 1.981 χ^2/NDF : 9.1/12

Left: -6.771 ± 1.397 χ^2/NDF : 49.9/26

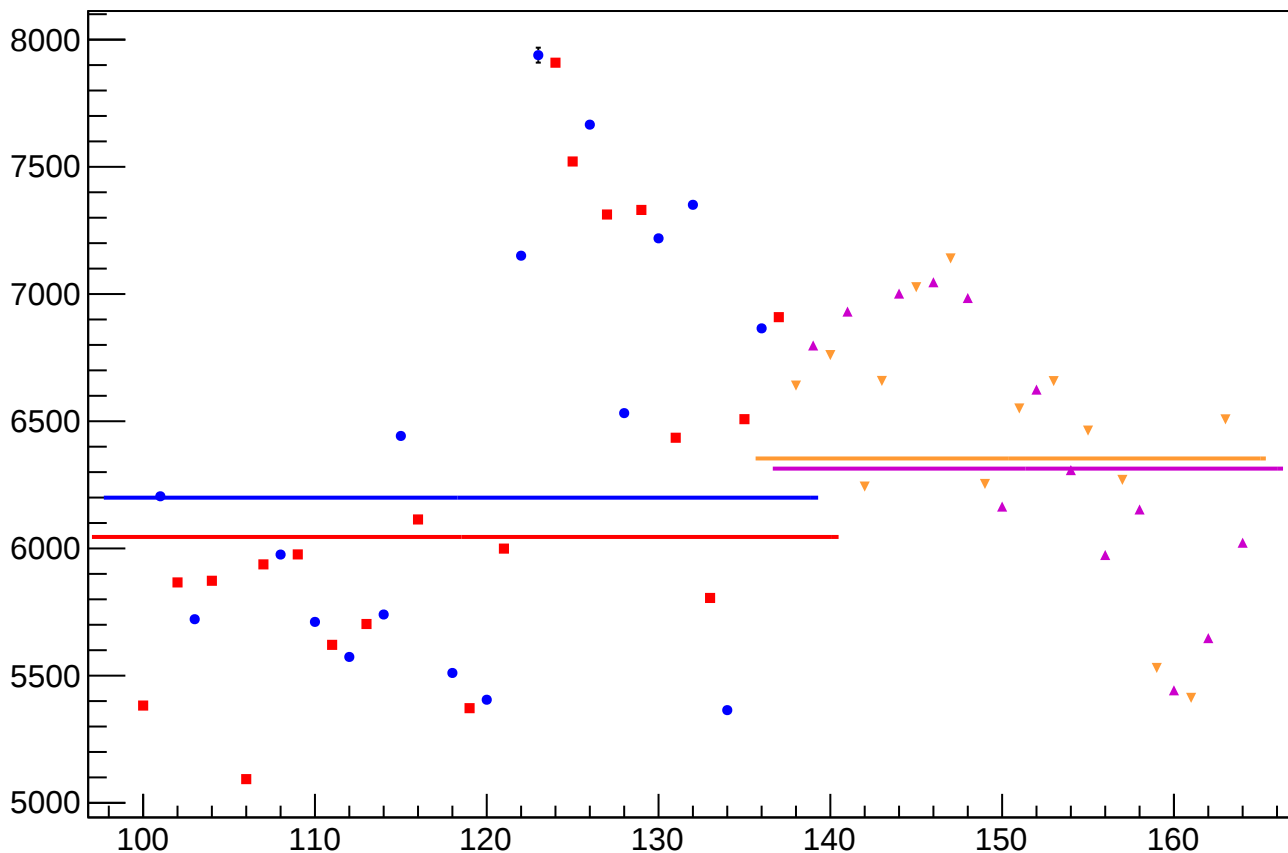
Right: -9.097 ± 1.655 χ^2/NDF : 46.7/35

In: -12.291 ± 1.530 χ^2/NDF : 33.7/29

Out: -3.418 ± 1.491 χ^2/NDF : 46.8/32

All: -7.739 ± 1.068 χ^2/NDF : 97.8/62

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6199.617 $\pm$ 1.703 χ^2 /NDF: 171760.4/16

Left Out: 6353.663 $\pm$ 1.394 χ^2 /NDF: 135300.0/13

Right Out: 6045.172 $\pm$ 1.611 χ^2 /NDF: 158323.0/18

Left In: 6313.807 $\pm$ 1.401 χ^2 /NDF: 144183.7/12

Left: 6333.840 $\pm$ 0.988 χ^2 /NDF: 279890.5/26

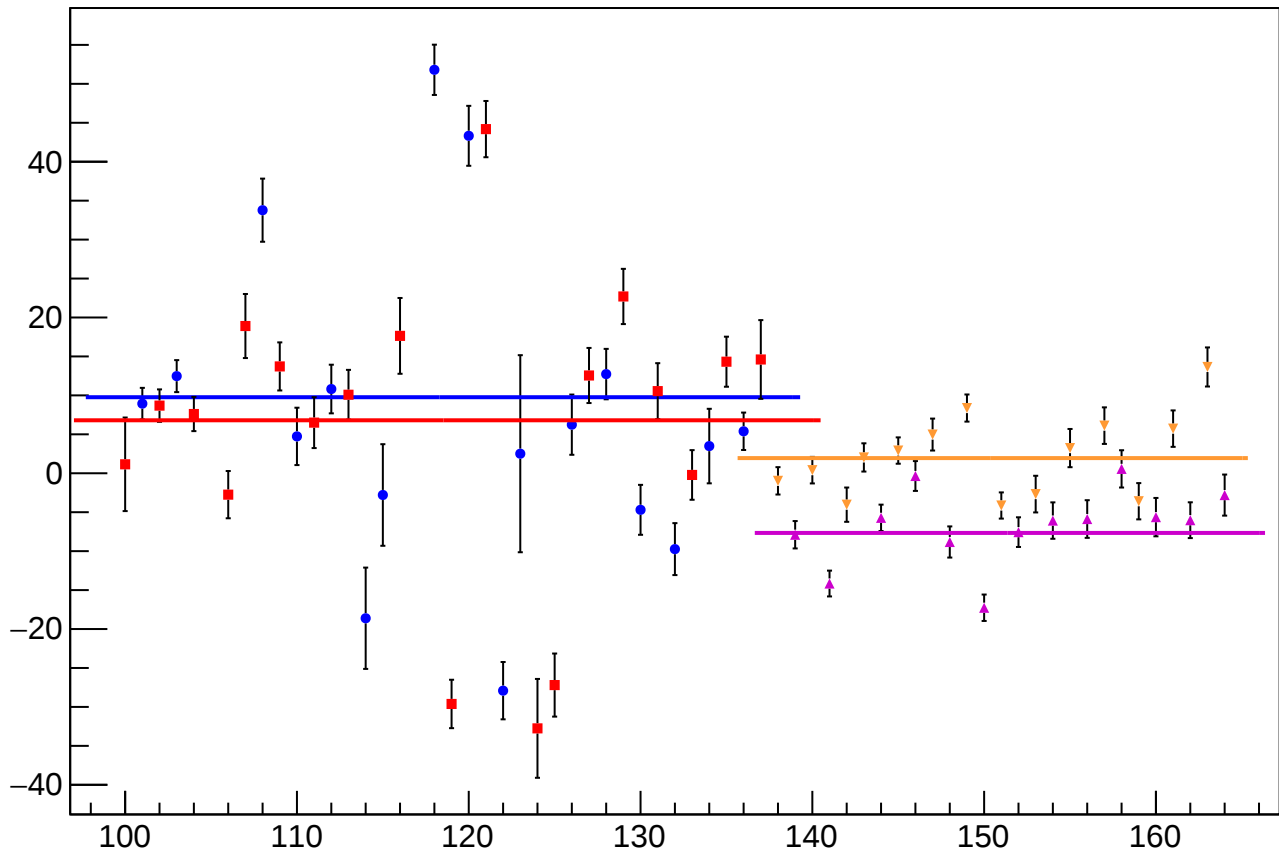
Right: 6118.133 $\pm$ 1.170 χ^2 /NDF: 334424.9/35

In: 6267.707 $\pm$ 1.082 χ^2 /NDF: 318626.4/29

Out: 6221.631 $\pm$ 1.054 χ^2 /NDF: 314595.4/32

All: 6244.069 $\pm$ 0.755 χ^2 /NDF: 634152.5/62

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.764 ± 0.797 $\chi^2/\text{NDF}: 473.8/16$

Left Out: 1.947 ± 0.534 $\chi^2/\text{NDF}: 77.5/13$

Right Out: 6.801 ± 0.765 $\chi^2/\text{NDF}: 421.8/18$

Left In: -7.661 ± 0.558 $\chi^2/\text{NDF}: 81.1/12$

Left: -2.646 ± 0.386 $\chi^2/\text{NDF}: 313.2/26$

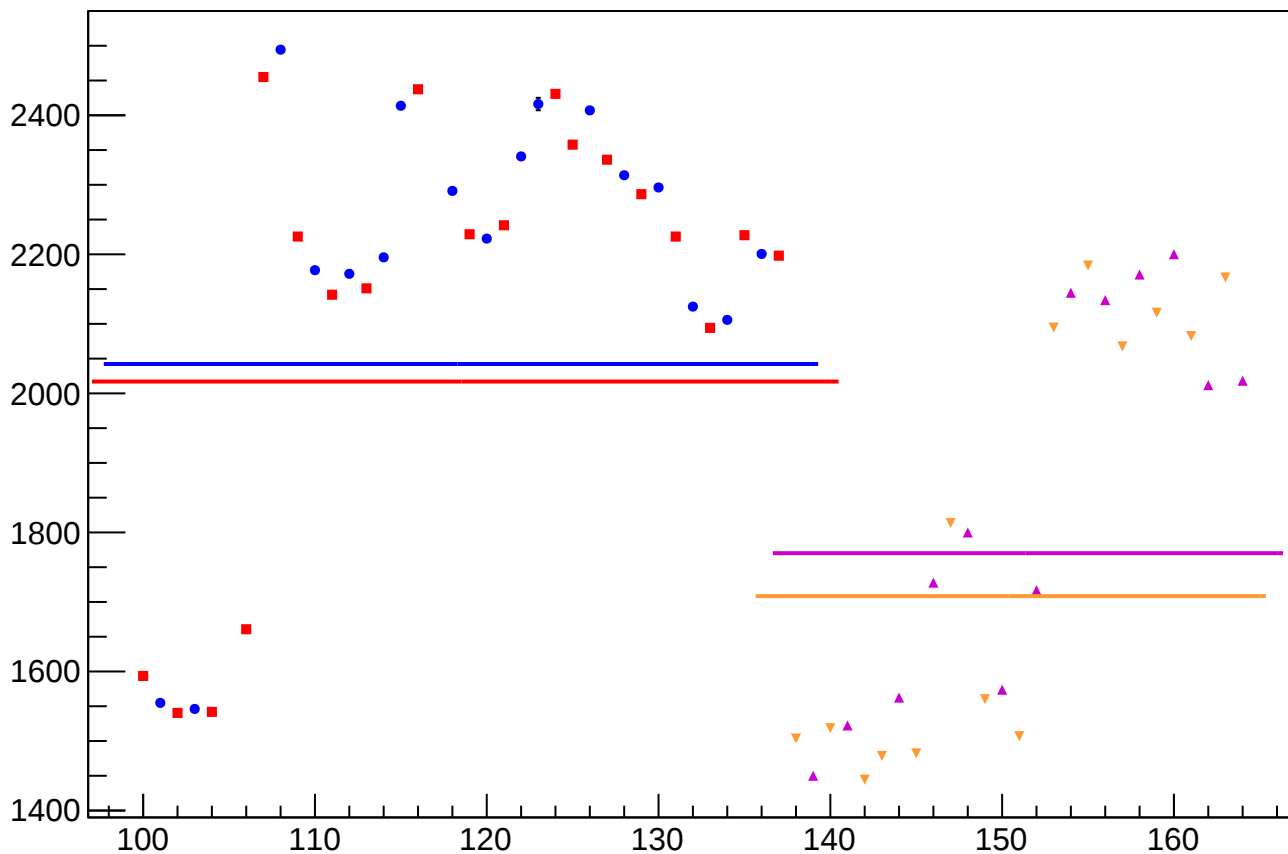
Right: 8.222 ± 0.552 $\chi^2/\text{NDF}: 902.8/35$

In: -1.924 ± 0.457 $\chi^2/\text{NDF}: 875.6/29$

Out: 3.539 ± 0.438 $\chi^2/\text{NDF}: 526.4/32$

All: 0.925 ± 0.316 $\chi^2/\text{NDF}: 1476.5/62$

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2042.269 $\pm$ 0.563 χ^2/NDF : 356820.1/16

Left Out: 1708.377 $\pm$ 0.378 χ^2/NDF : 552127.6/13

Right Out: 2017.026 $\pm$ 0.541 χ^2/NDF : 375630.3/18

Left In: 1770.151 $\pm$ 0.395 χ^2/NDF : 424471.0/12

Left: 1737.907 $\pm$ 0.273 χ^2/NDF : 989382.6/26

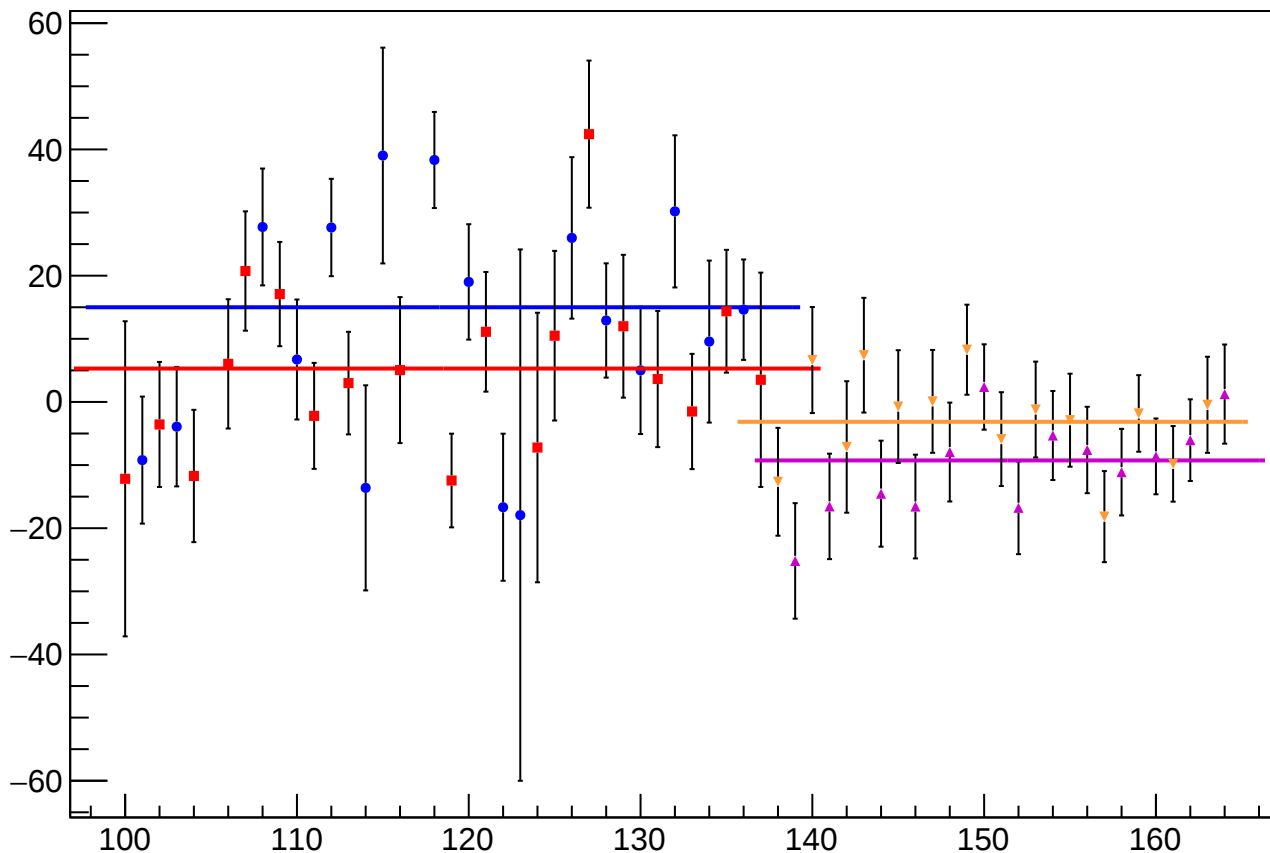
Right: 2029.129 $\pm$ 0.390 χ^2/NDF : 733495.1/35

In: 1859.734 $\pm$ 0.323 χ^2/NDF : 937744.1/29

Out: 1809.597 $\pm$ 0.310 χ^2/NDF : 1146692.0/32

All: 1833.588 $\pm$ 0.224 χ^2/NDF : 2096978.8/62

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: -9.264 $\pm$ 2.030 χ^2/NDF :11.5/12

Left: -6.209 $\pm$ 1.437 χ^2/NDF : 28.9/26

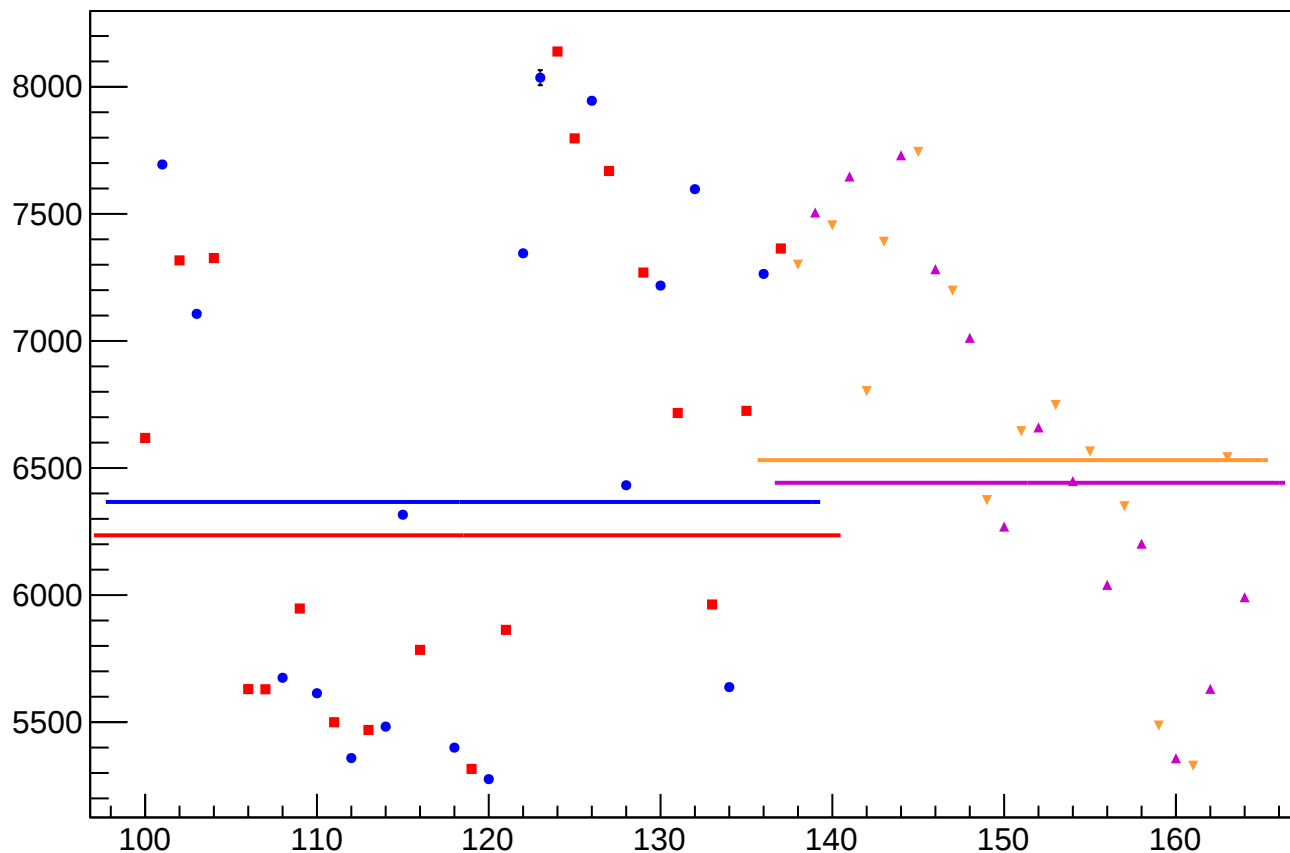
Right: 9.888 $\pm$ 1.710 χ^2/NDF : 77.4/35

In: 0.447 $\pm$ 1.572 χ^2/NDF :110.0/29

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

All: 0.450 $\pm$ 1.100 χ^2/NDF : 158.2/62

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: 6441.904 ± 1.436 $\chi^2/\text{NDF}: 262939.5/12$

Left: 6486.376 ± 1.016 $\chi^2/\text{NDF}: 519110.8/26$

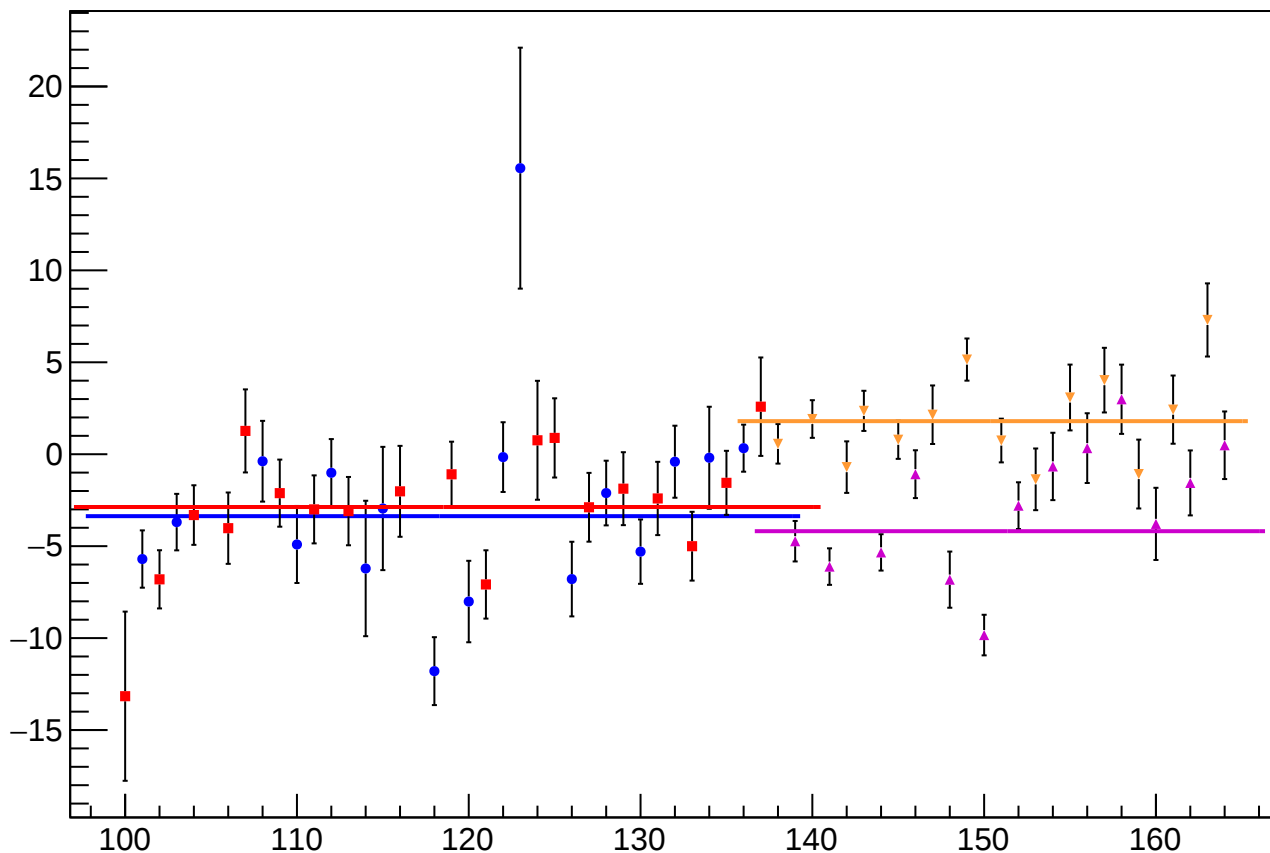
Right: 6297.369 ± 1.209 $\chi^2/\text{NDF}: 532637.5/35$

In: 6411.719 ± 1.112 $\chi^2/\text{NDF}: 550538.5/29$

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

All: 6408.187 ± 0.778 $\chi^2/\text{NDF}: 1066068.3/62$

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.368 ± 0.476 χ^2/NDF : 59.9/16

Left Out: 1.799 ± 0.359 χ^2/NDF : 30.9/13

Right Out: -2.871 ± 0.456 χ^2/NDF : 32.0/18

Left In: -4.186 ± 0.377 χ^2/NDF : 74.0/12

Left: -1.048 ± 0.260 χ^2/NDF : 237.3/26

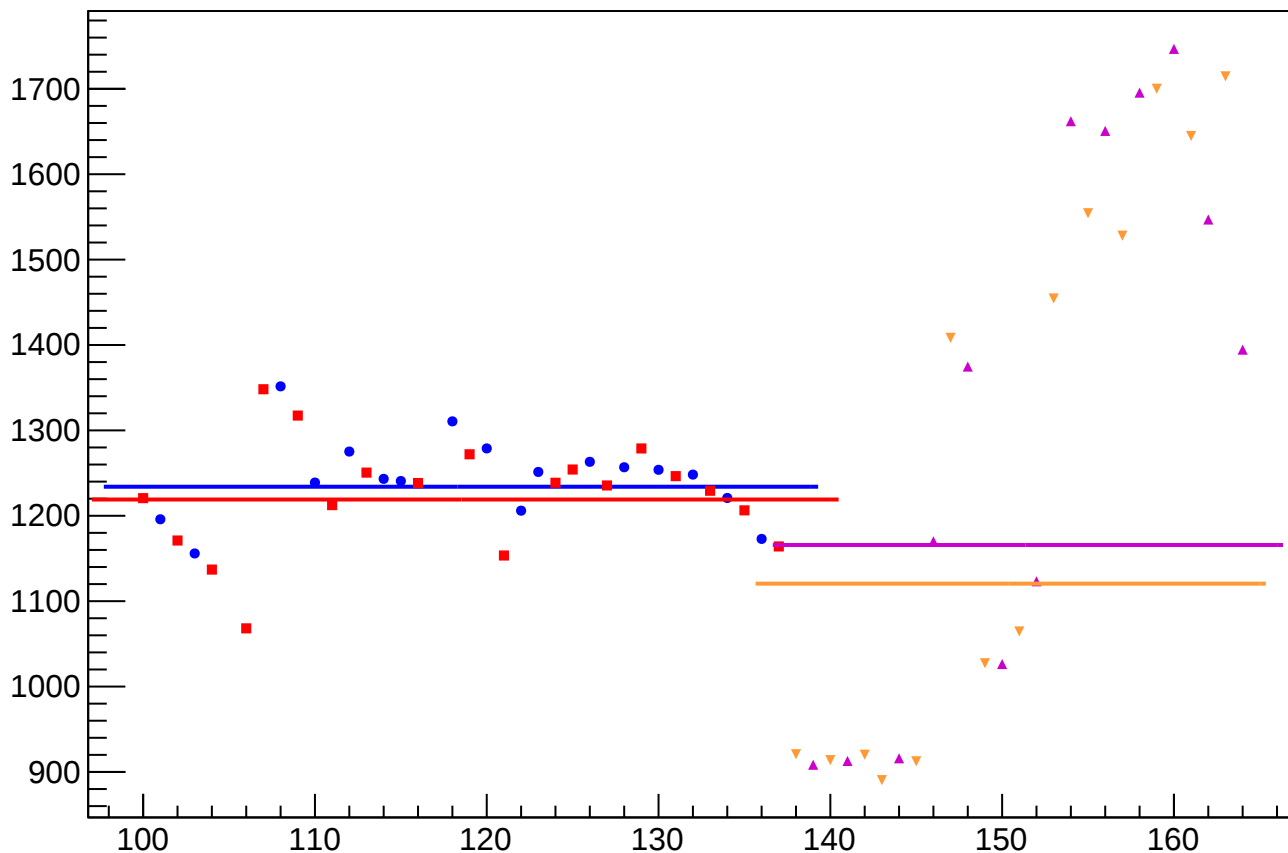
Right: -3.109 ± 0.329 χ^2/NDF : 92.5/35

In: -3.871 ± 0.295 χ^2/NDF : 135.7/29

Out: 0.016 ± 0.282 χ^2/NDF : 127.6/32

All: -1.839 ± 0.204 χ^2/NDF : 354.0/62

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1234.032 ± 0.336 $\chi^2/\text{NDF}: 23565.3/16$

Left Out: 1120.517 ± 0.254 $\chi^2/\text{NDF}: 1277304.7/13$

Right Out: 1219.041 ± 0.323 $\chi^2/\text{NDF}: 40370.4/18$

Left In: 1165.792 ± 0.266 $\chi^2/\text{NDF}: 1173249.2/12$

Left: 1142.058 ± 0.184 $\chi^2/\text{NDF}: 2465713.8/26$

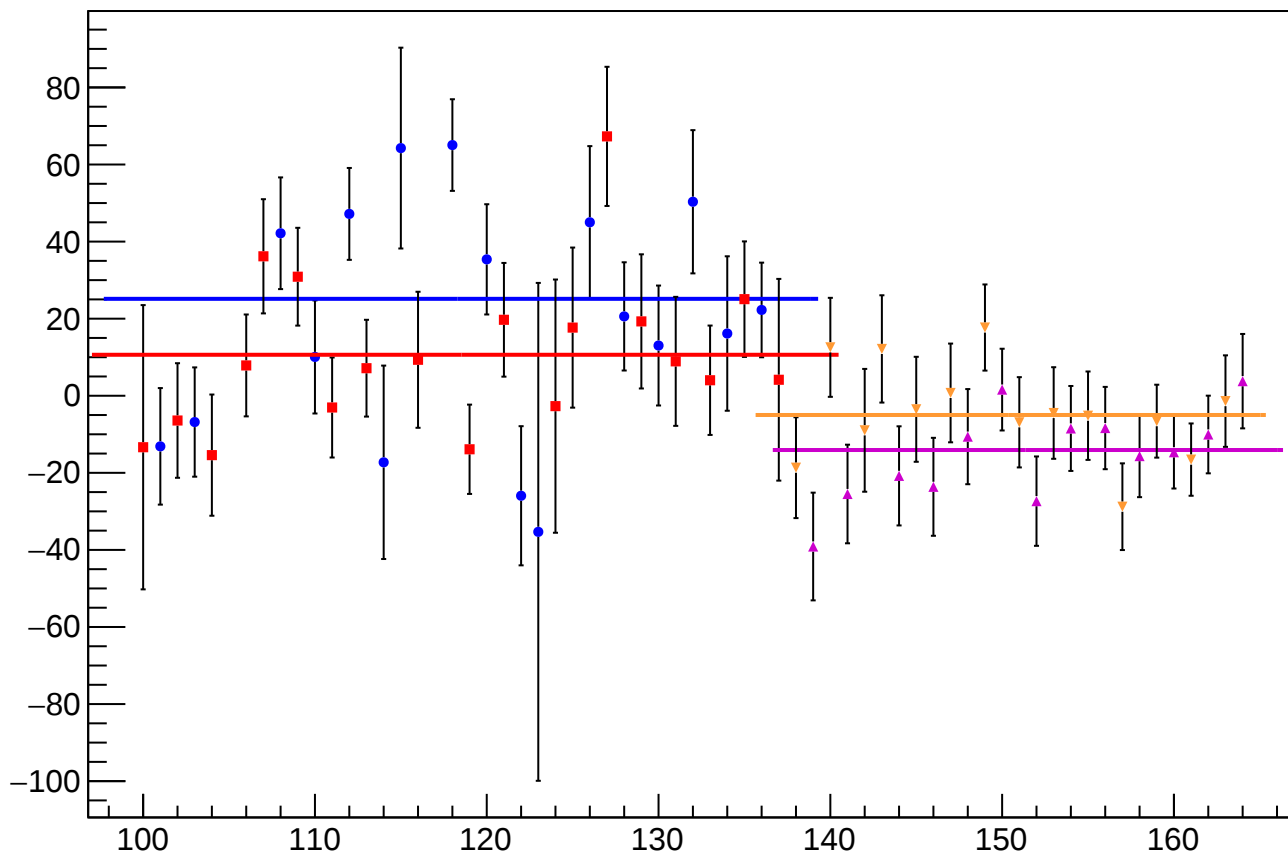
Right: 1226.229 ± 0.233 $\chi^2/\text{NDF}: 64970.2/35$

In: 1192.088 ± 0.209 $\chi^2/\text{NDF}: 1222130.2/29$

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

All: 1174.338 ± 0.144 $\chi^2/\text{NDF}: 2611252.8/62$

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 25.149 $\pm$ 3.837 χ^2 /NDF: 46.9/16

Left Out: -4.990 $\pm$ 3.162 χ^2 /NDF:15.0/13

Right Out: 10.634 $\pm$ 3.595 χ^2 /NDF: 27.7/18

Left In: -14.078 $\pm$ 3.163 χ^2 /NDF:11.3/12

Left: -9.534 $\pm$ 2.236 χ^2 /NDF: 30.4/26

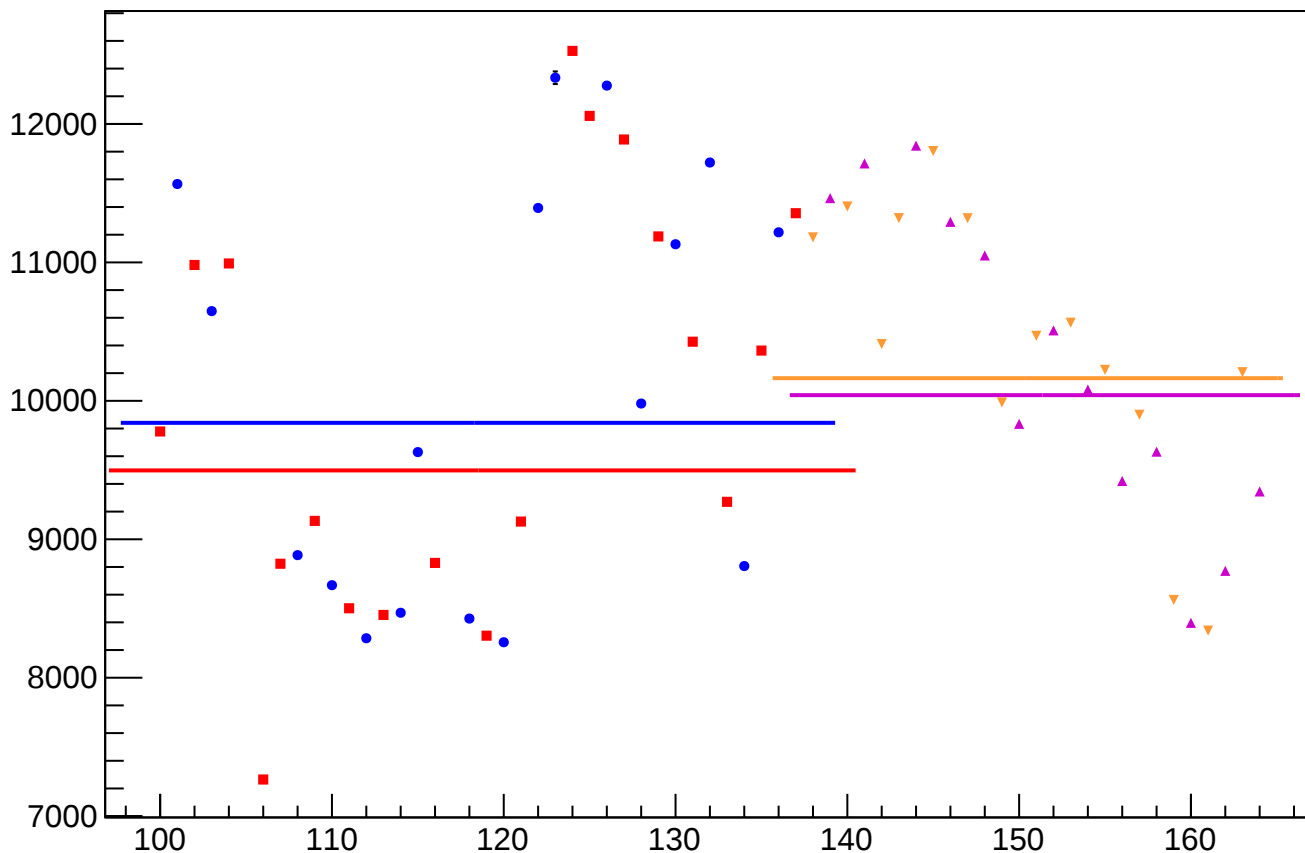
Right: 17.418 $\pm$ 2.623 χ^2 /NDF: 82.3/35

In: 1.788 $\pm$ 2.441 χ^2 /NDF:120.4/29

Out: 1.826 $\pm$ 2.374 χ^2 /NDF:53.4/32

All: 1.808 $\pm$ 1.702 χ^2 /NDF: 173.8/62

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9841.174+/-2.713 χ^2/NDF : 260062.4/16

Left Out: 10163.737+/-2.236 χ^2/NDF : 228530.5/13

Right Out: 9497.483+/-2.542 χ^2/NDF : 276700.1/18

Left In: 10041.180+/-2.236 χ^2/NDF : 240024.3/12

Left: 10102.465+/-1.581 χ^2/NDF : 470056.8/26

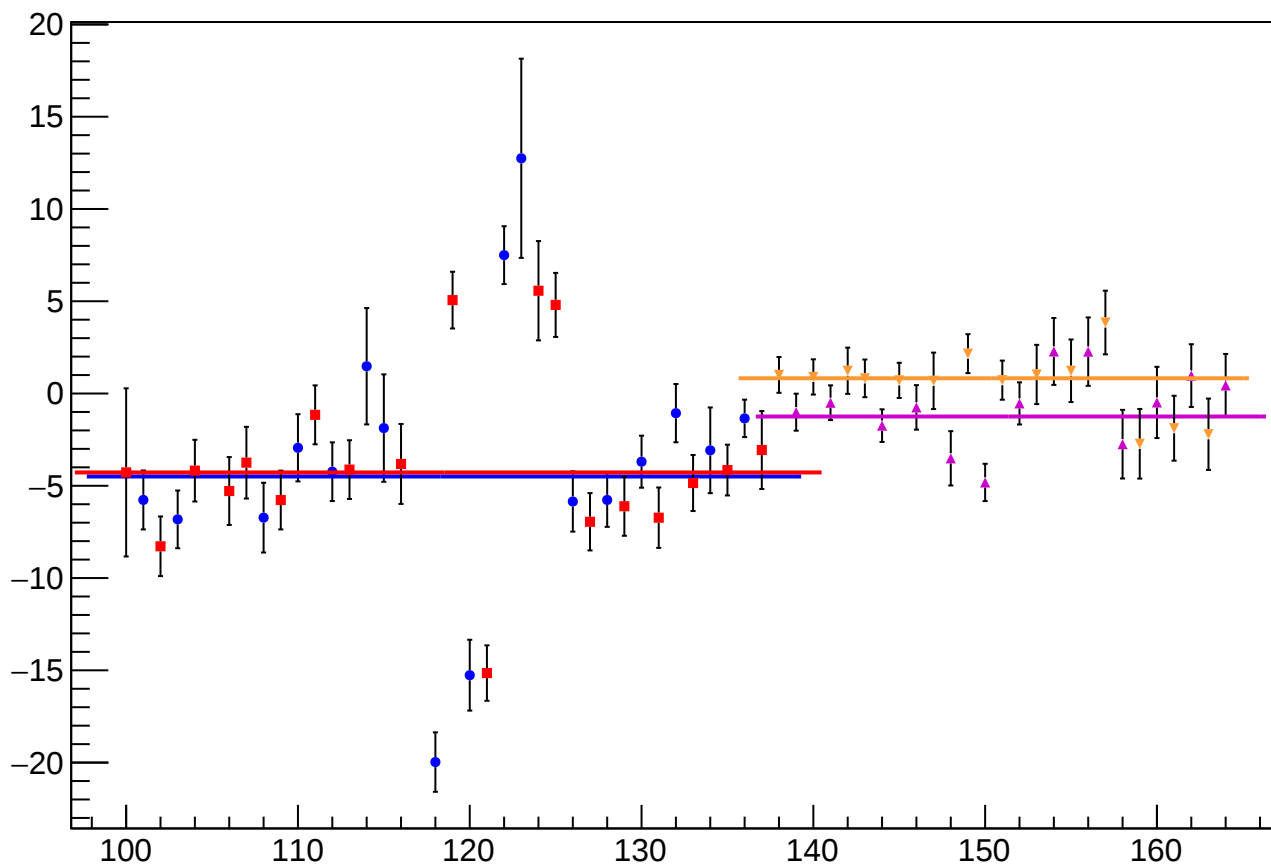
Right: 9658.117+/-1.855 χ^2/NDF : 545307.6/35

In: 9960.282+/-1.726 χ^2/NDF : 503322.2/29

Out: 9873.083+/-1.679 χ^2/NDF : 543963.3/32

All: 9915.483+/-1.203 χ^2/NDF : 1048597.3/62

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: -1.247 ± 0.350 χ^2/NDF : 27.3/12

Left: -0.158 ± 0.241 χ^2/NDF : 58.9/26

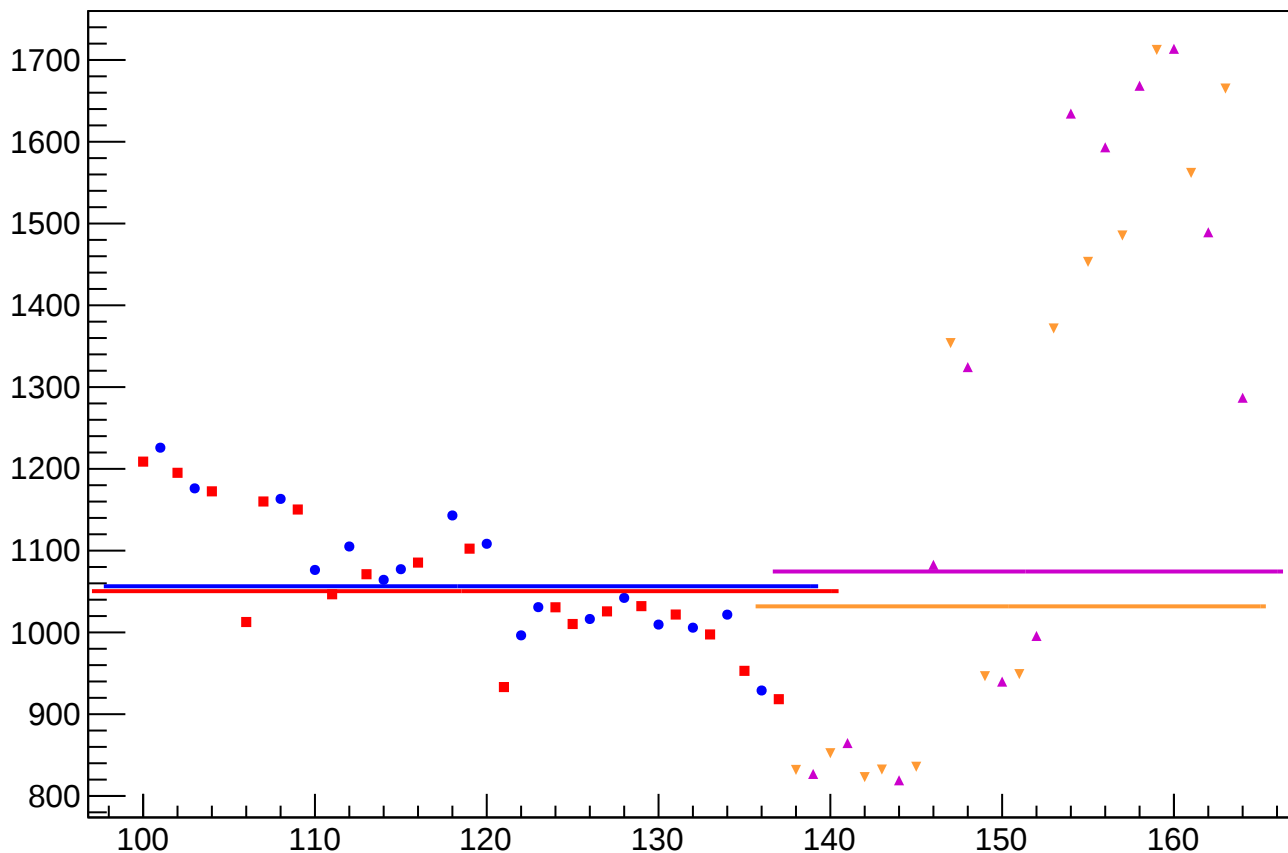
Right: -4.383 ± 0.283 χ^2/NDF : 366.8/35

In: -2.626 ± 0.266 χ^2/NDF : 282.2/29

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

All: -1.934 ± 0.184 χ^2/NDF : 554.5/62

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: 1074.477 $\pm$ 0.248 χ^2/NDF : 1411643.3/12

Left: 1052.085 $\pm$ 0.171 χ^2/NDF : 2920988.8/26

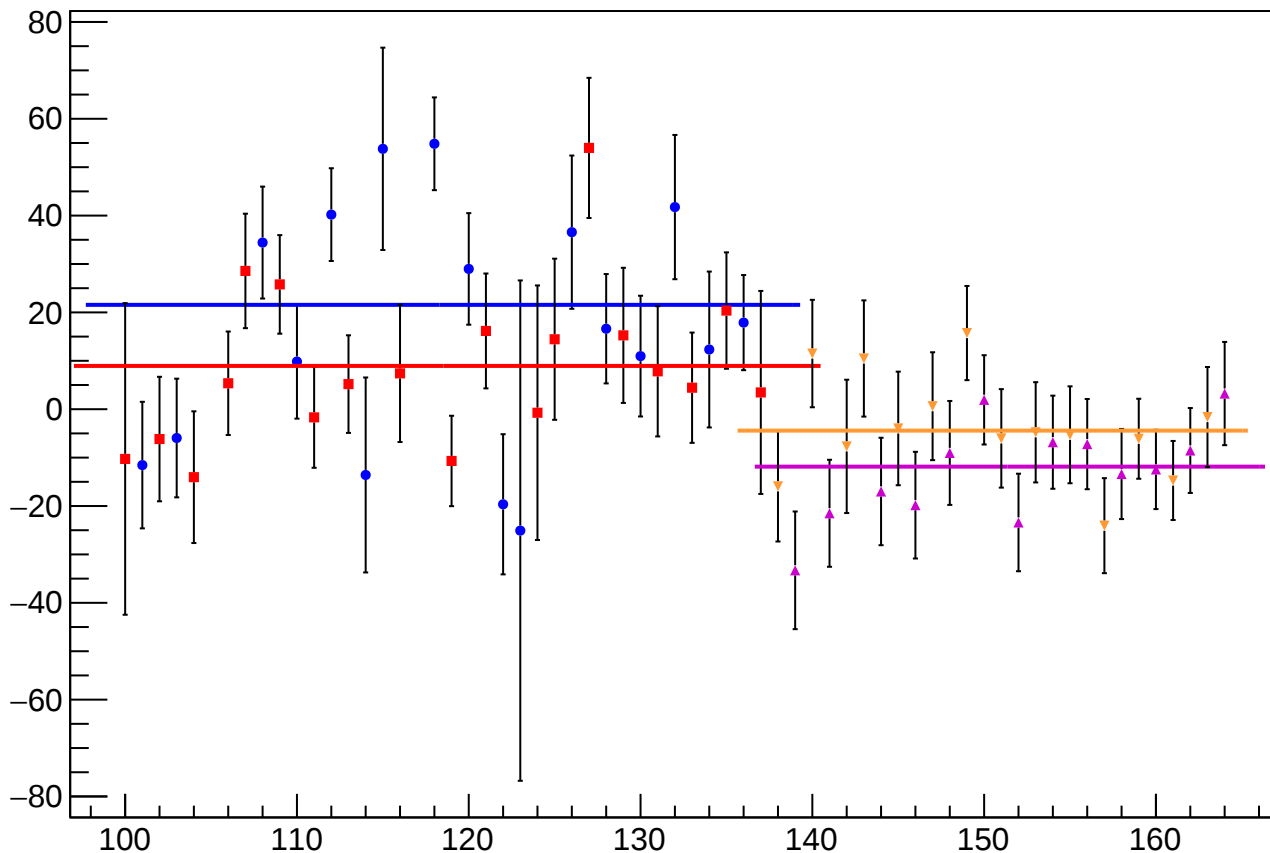
Right: 1053.333 $\pm$ 0.200 χ^2/NDF : 173392.8/35

In: 1066.820 $\pm$ 0.188 χ^2/NDF : 1504665.4/29

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

All: 1052.610 $\pm$ 0.130 χ^2/NDF : 3094404.0/62

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.561 ± 3.110 $\chi^2/\text{NDF}: 48.4/16$

Left Out: -4.424 ± 2.750 $\chi^2/\text{NDF}: 14.9/13$

Right Out: 8.943 ± 2.912 $\chi^2/\text{NDF}: 27.4/18$

Left In: -11.864 ± 2.751 $\chi^2/\text{NDF}: 10.9/12$

Left: -8.142 ± 1.945 $\chi^2/\text{NDF}: 29.5/26$

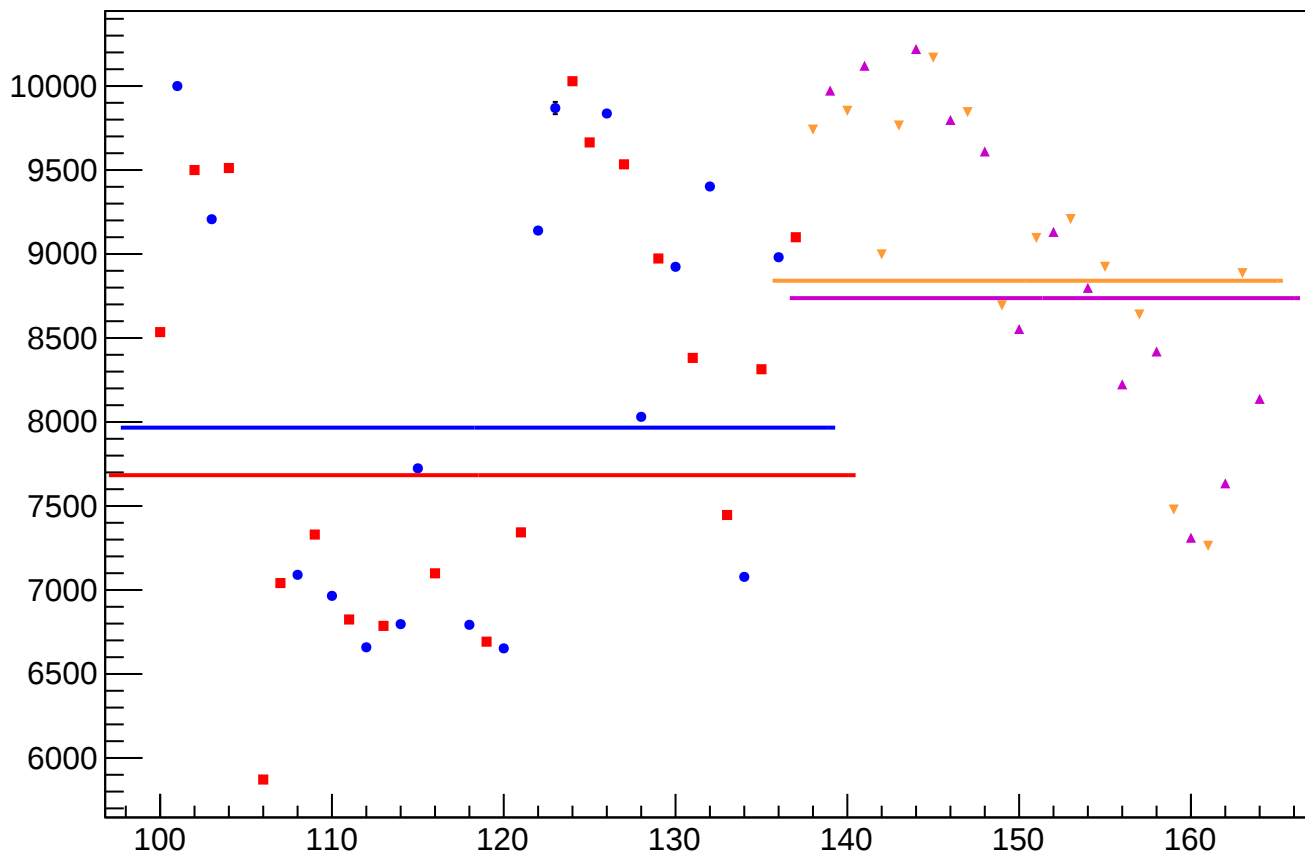
Right: 14.837 ± 2.126 $\chi^2/\text{NDF}: 84.6/35$

In: 2.807 ± 2.061 $\chi^2/\text{NDF}: 124.1/29$

Out: 1.877 ± 1.999 $\chi^2/\text{NDF}: 53.5/32$

All: 2.328 ± 1.435 $\chi^2/\text{NDF}: 177.7/62$

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: 8737.390 $\pm$ 1.945 χ^2/NDF : 230337.8/12

Left: 8789.189 $\pm$ 1.375 χ^2/NDF : 448986.1/26

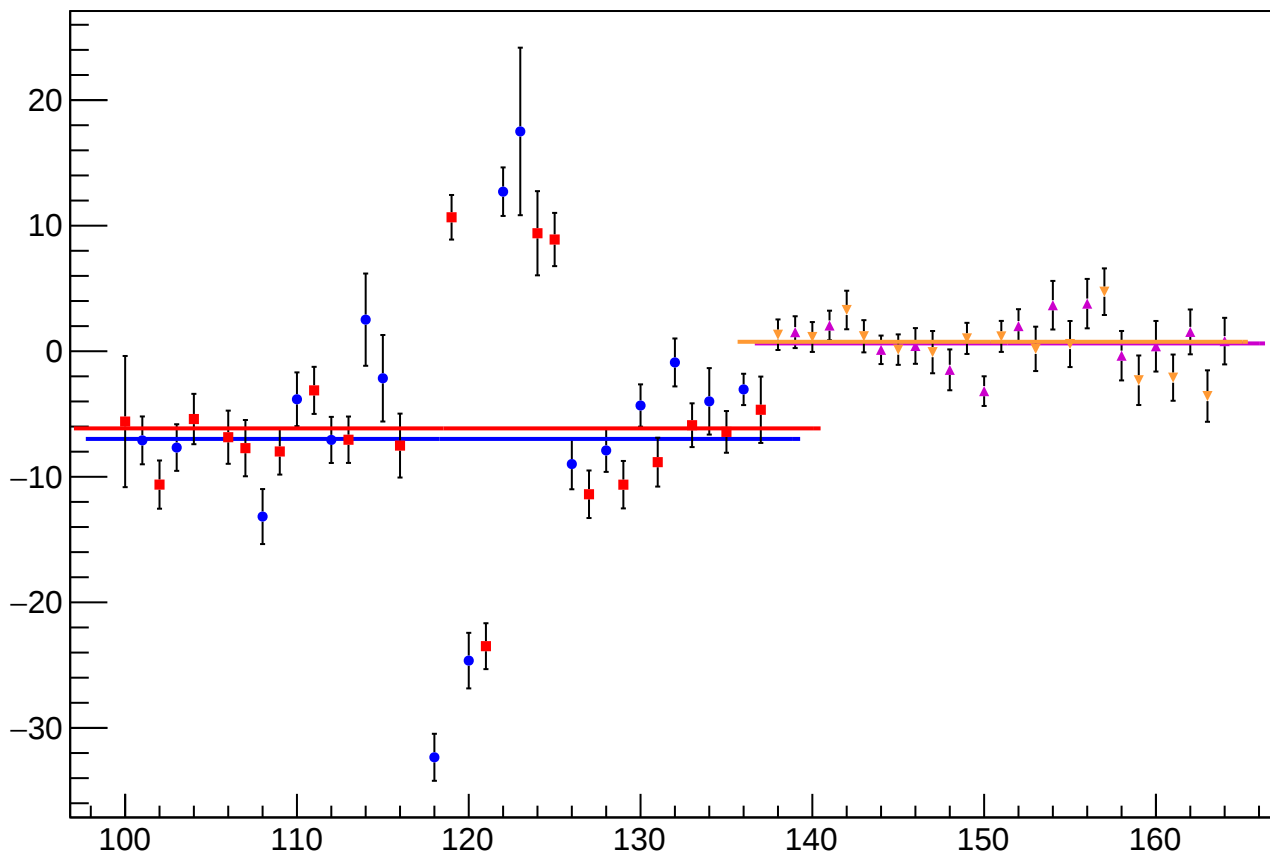
Right: 7815.627 $\pm$ 1.503 χ^2/NDF : 620463.8/35

In: 8398.997 $\pm$ 1.457 χ^2/NDF : 595898.9/29

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

All: 8345.595 $\pm$ 1.015 χ^2/NDF : 1297818.2/62

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: 0.622 ± 0.412 χ^2/NDF : 20.9/12

Left: 0.690 ± 0.285 χ^2/NDF : 38.7/26

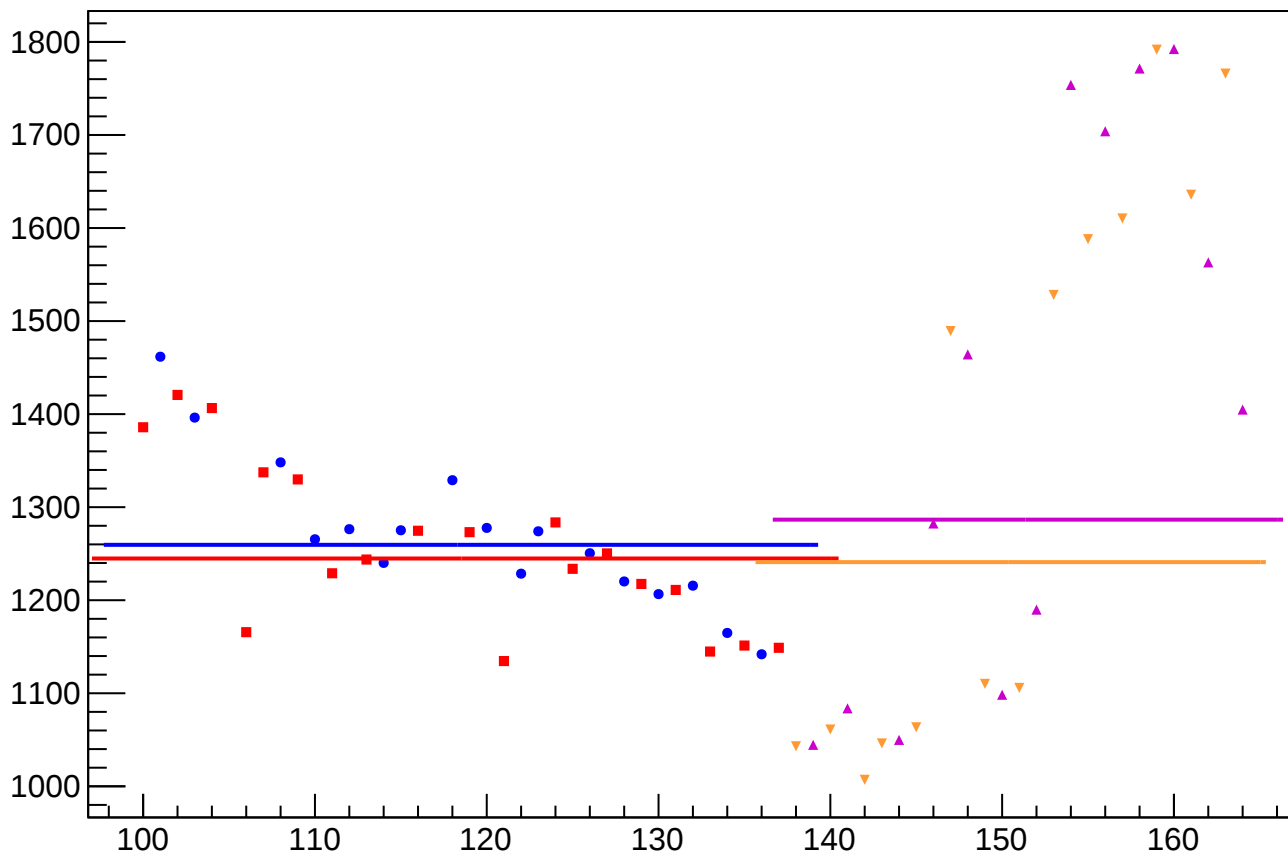
Right: -6.547 ± 0.337 χ^2/NDF : 687.6/35

In: -2.556 ± 0.314 χ^2/NDF : 571.8/29

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

All: -2.326 ± 0.217 χ^2/NDF : 995.8/62

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: 1286.594 $\pm$ 0.291 χ^2 /NDF: 814197.7/12

Left: 1262.739 $\pm$ 0.201 χ^2 /NDF: 1733729.1/26

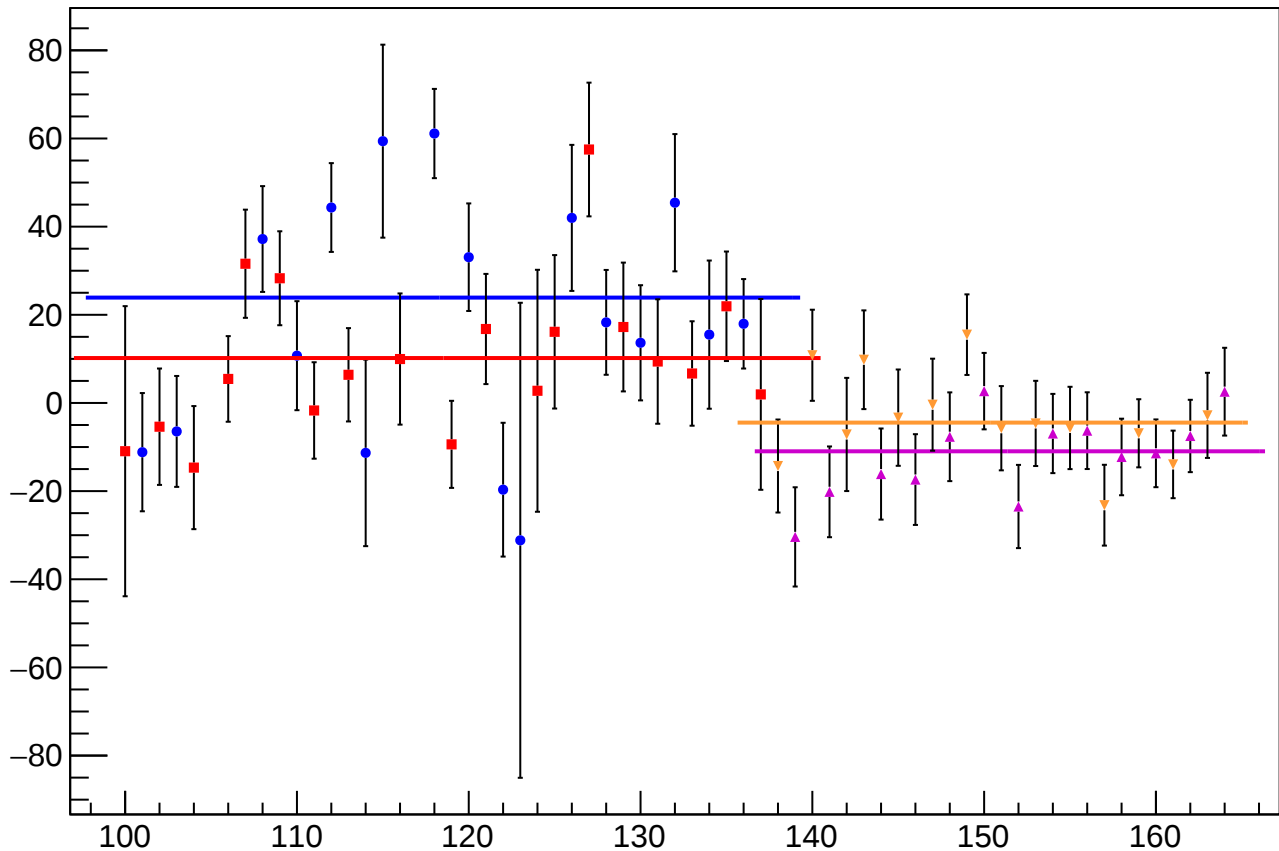
Right: 1251.883 $\pm$ 0.238 χ^2 /NDF: 132621.3/35

In: 1275.285 $\pm$ 0.222 χ^2 /NDF: 882649.6/29

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

All: 1258.214 $\pm$ 0.154 χ^2 /NDF: 1867563.2/62

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.904 $\pm$ 3.251 χ^2 /NDF: 52.4/16

Left Out: -4.457 $\pm$ 2.570 χ^2 /NDF:15.5/13

Right Out: 10.190 $\pm$ 3.006 χ^2 /NDF: 27.9/18

Left In: -10.969 $\pm$ 2.572 χ^2 /NDF:11.3/12

Left: -7.711 $\pm$ 1.818 χ^2 /NDF: 30.0/26

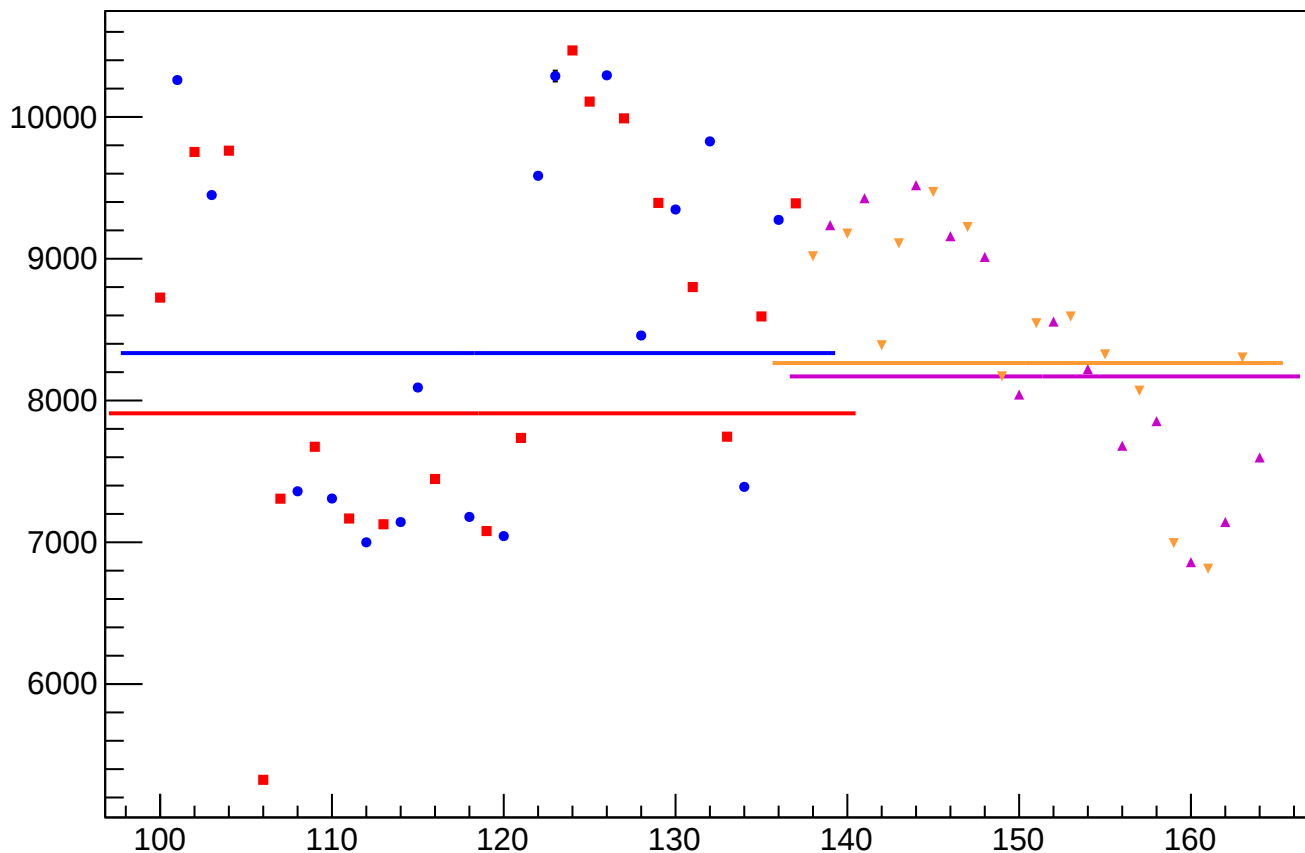
Right: 16.511 $\pm$ 2.207 χ^2 /NDF: 90.0/35

In: 2.456 $\pm$ 2.017 χ^2 /NDF:134.5/29

Out: 1.728 $\pm$ 1.953 χ^2 /NDF:57.2/32

All: 2.080 $\pm$ 1.403 χ^2 /NDF: 191.8/62

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: 8169.981 $\pm$ 1.818 χ^2 /NDF: 223124.5/12

Left: 8217.174 $\pm$ 1.285 χ^2 /NDF: 434082.4/26

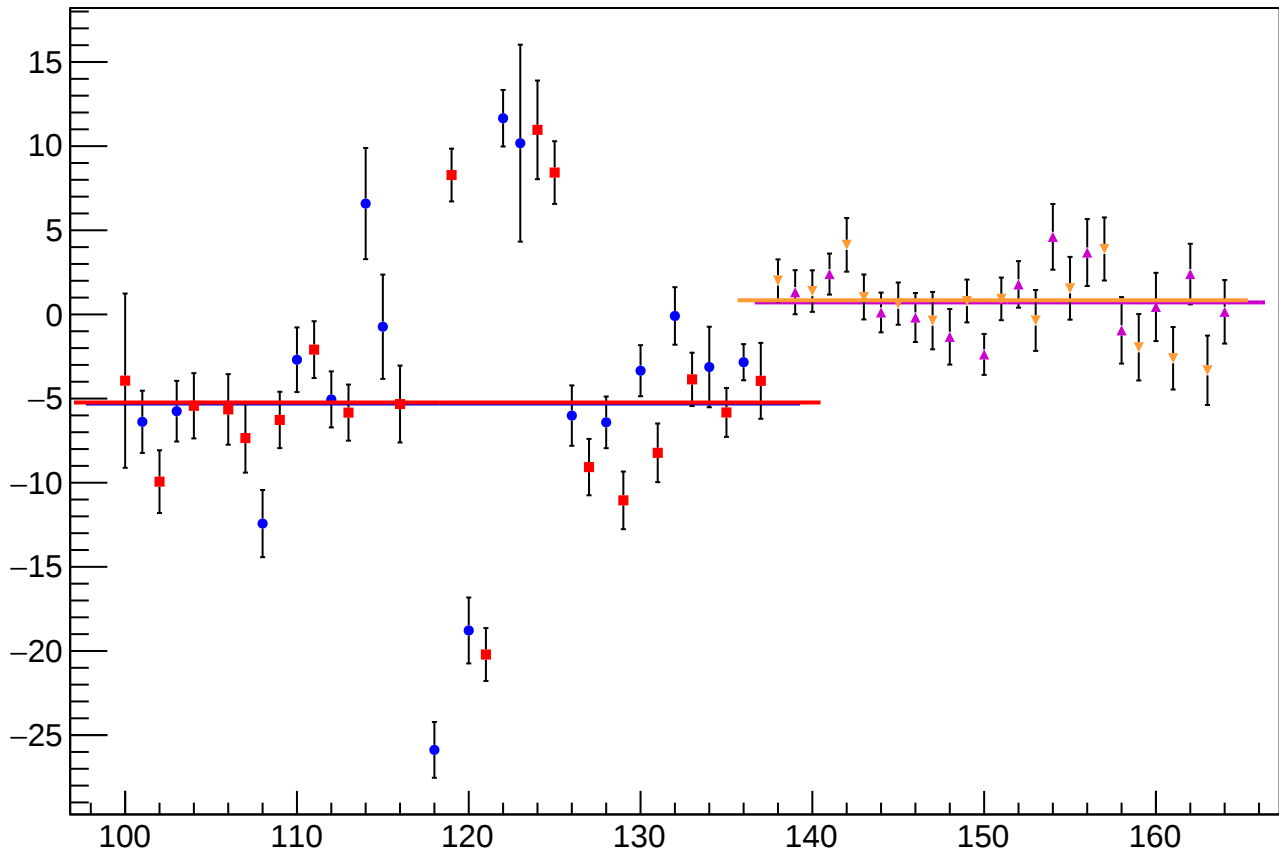
Right: 8105.450 $\pm$ 1.560 χ^2 /NDF: 681543.4/35

In: 8233.315 $\pm$ 1.426 χ^2 /NDF: 498578.4/29

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

All: 8172.013 $\pm$ 0.992 χ^2 /NDF: 1118679.9/62

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: 0.714 ± 0.422 χ^2/NDF : 19.2/12

Left: 0.780 ± 0.292 χ^2/NDF : 37.9/26

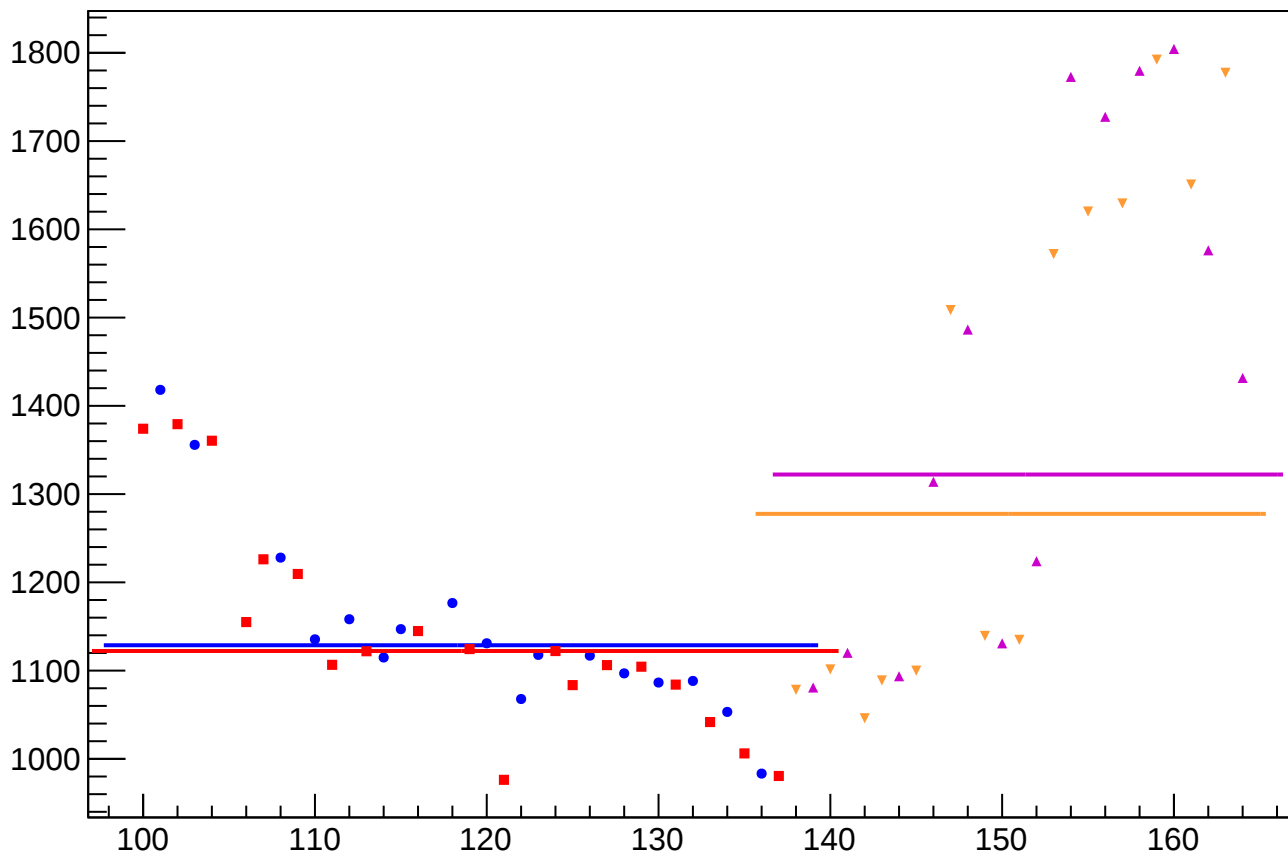
Right: -5.263 ± 0.303 χ^2/NDF : 640.0/35

In: -2.188 ± 0.304 χ^2/NDF : 475.2/29

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

All: -2.125 ± 0.210 χ^2/NDF : 884.0/62

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1128.740 $\pm$ 0.309 χ^2 /NDF: 133096.9/16

Left Out: 1277.605 $\pm$ 0.286 χ^2 /NDF: 824074.4/13

Right Out: 1122.238 $\pm$ 0.298 χ^2 /NDF: 129601.6/18

Left In: 1322.190 $\pm$ 0.298 χ^2 /NDF: 733590.7/12

Left: 1298.929 $\pm$ 0.206 χ^2 /NDF: 1569306.6/26

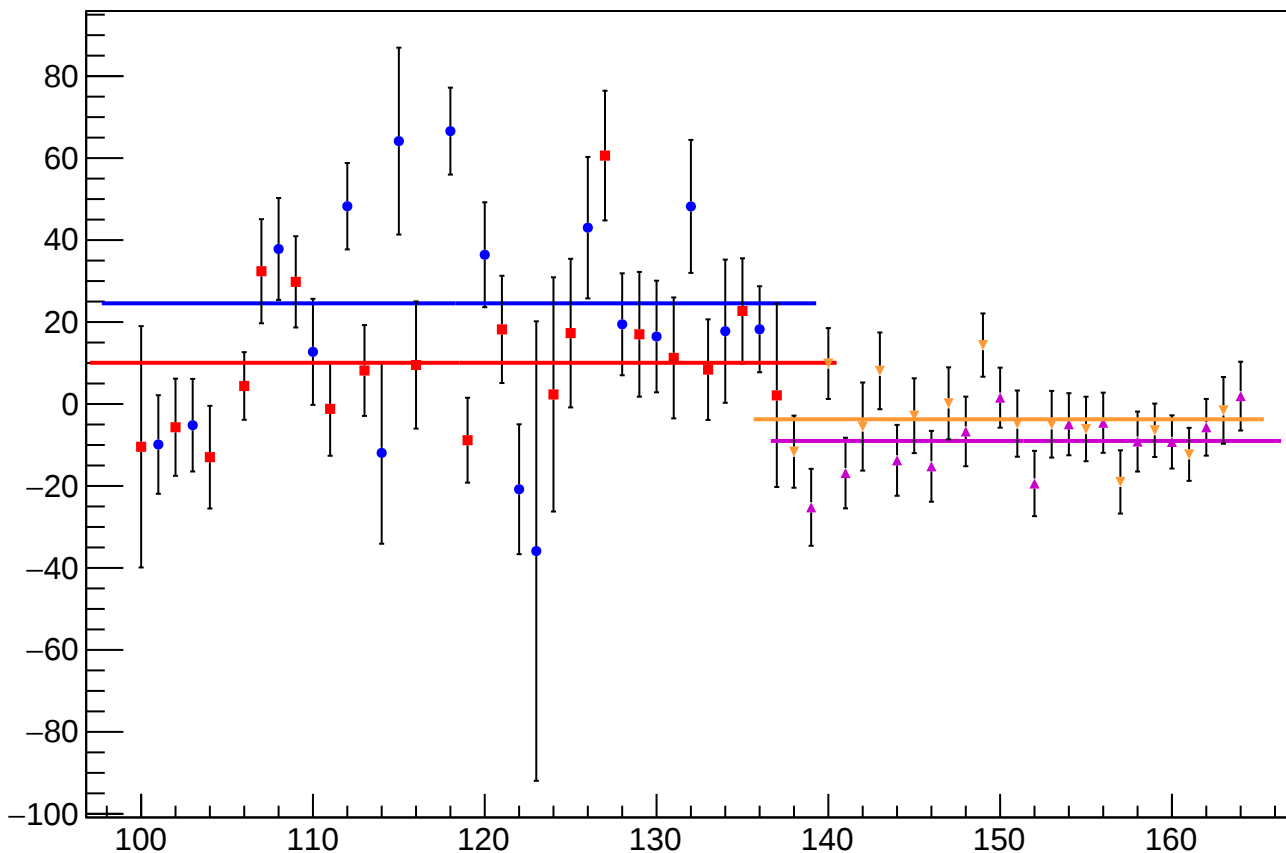
Right: 1125.374 $\pm$ 0.215 χ^2 /NDF: 262927.9/35

In: 1228.783 $\pm$ 0.215 χ^2 /NDF: 1069521.1/29

Out: 1203.216 $\pm$ 0.206 χ^2 /NDF: 1095205.0/32

All: 1215.493 $\pm$ 0.149 χ^2 /NDF: 2172101.4/62

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.569+/-3.318 χ^2 /NDF: 58.1/16

Left Out: -3.727+/-2.162 χ^2 /NDF:16.6/13

Right Out: 10.057+/-3.008 χ^2 /NDF: 28.8/18

Left In: -9.011+/-2.165 χ^2 /NDF:11.1/12

Left: -6.365+/-1.530 χ^2 /NDF: 30.7/26

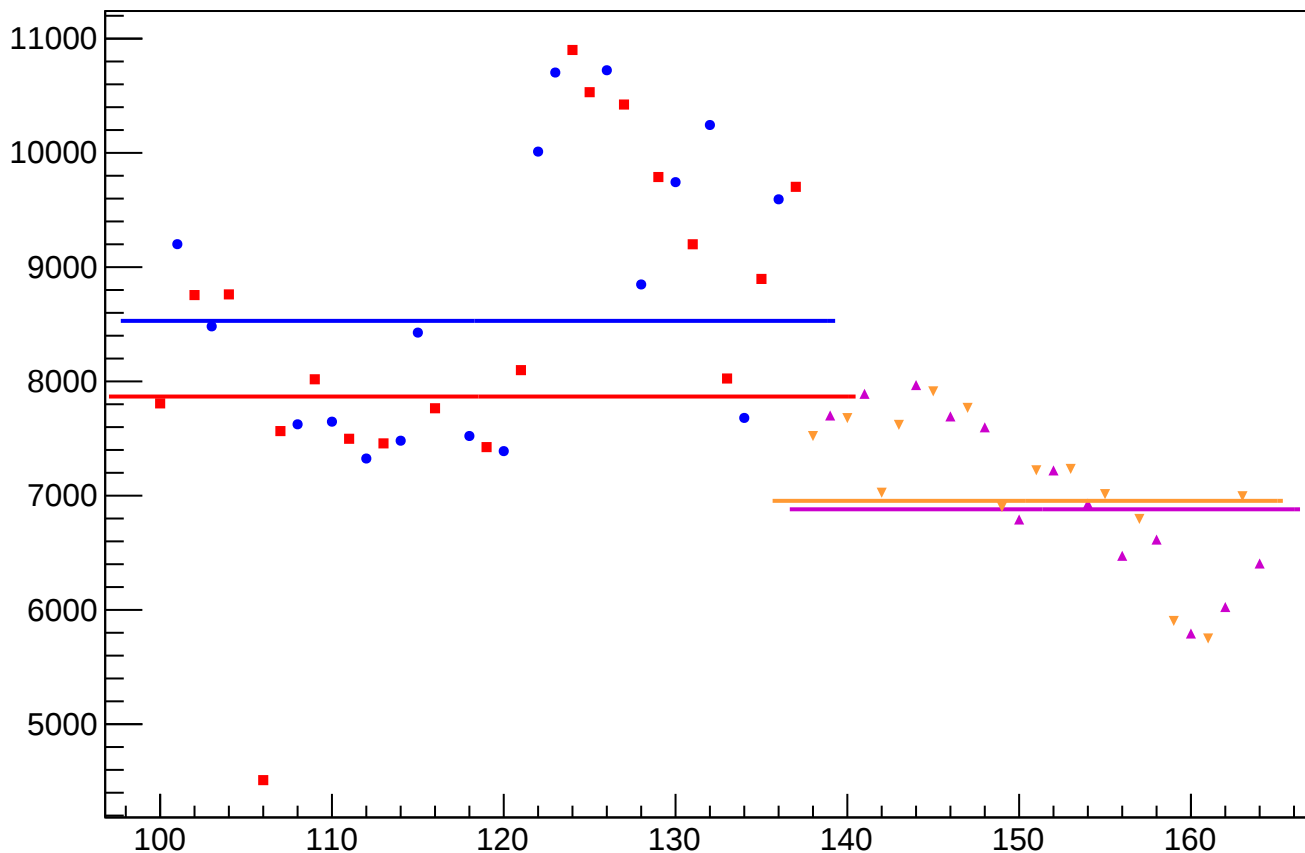
Right: 16.602+/-2.229 χ^2 /NDF: 97.4/35

In: 1.015+/-1.813 χ^2 /NDF:141.0/29

Out: 0.969+/-1.755 χ^2 /NDF:59.3/32

All: 0.991+/-1.261 χ^2 /NDF: 200.3/62

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8529.821 ± 2.346 χ^2/NDF : 208336.1/16

Left Out: 6954.694 ± 1.529 χ^2/NDF : 198694.1/13

Right Out: 7867.584 ± 2.127 χ^2/NDF : 555841.7/18

Left In: 6880.562 ± 1.531 χ^2/NDF : 212249.7/12

Left: 6917.681 ± 1.082 χ^2/NDF : 412118.1/26

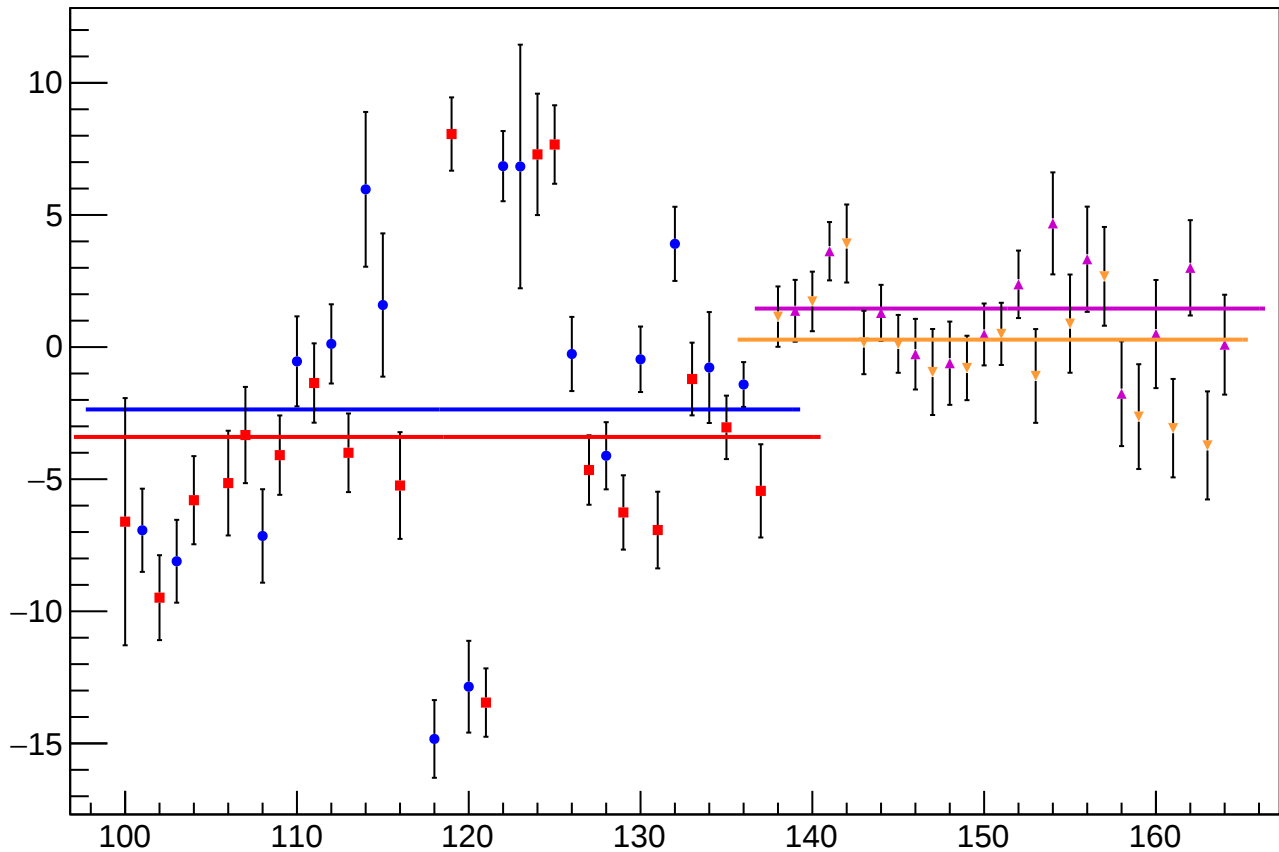
Right: 8166.253 ± 1.576 χ^2/NDF : 807907.7/35

In: 7372.962 ± 1.282 χ^2/NDF : 767123.1/29

Out: 7265.666 ± 1.241 χ^2/NDF : 876023.6/32

All: 7317.578 ± 0.892 χ^2/NDF : 1646761.8/62

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: 1.458 ± 0.397 χ^2/NDF : 16.3/12

Left: 0.842 ± 0.274 χ^2/NDF : 42.2/26

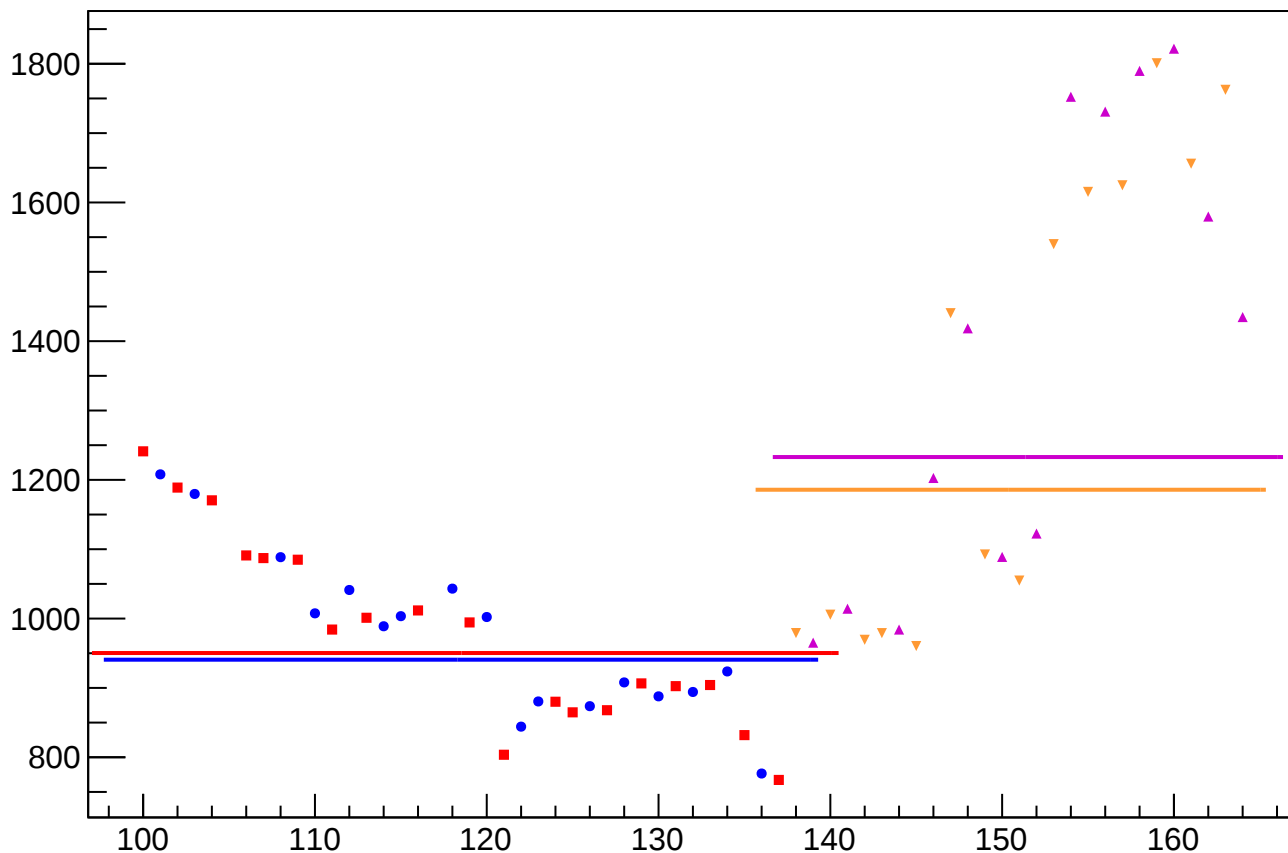
Right: -2.891 ± 0.256 χ^2/NDF : 477.6/35

In: -0.609 ± 0.269 χ^2/NDF : 298.3/29

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

All: -1.152 ± 0.187 χ^2/NDF : 618.9/62

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 940.683 ± 0.258 χ^2/NDF : 241768.4/16

Left Out: 1185.767 ± 0.268 χ^2/NDF : 1164561.1/13

Right Out: 950.316 ± 0.253 χ^2/NDF : 220678.1/18

Left In: 1232.919 ± 0.281 χ^2/NDF : 1056592.5/12

Left: 1208.203 ± 0.194 χ^2/NDF : 2235937.0/26

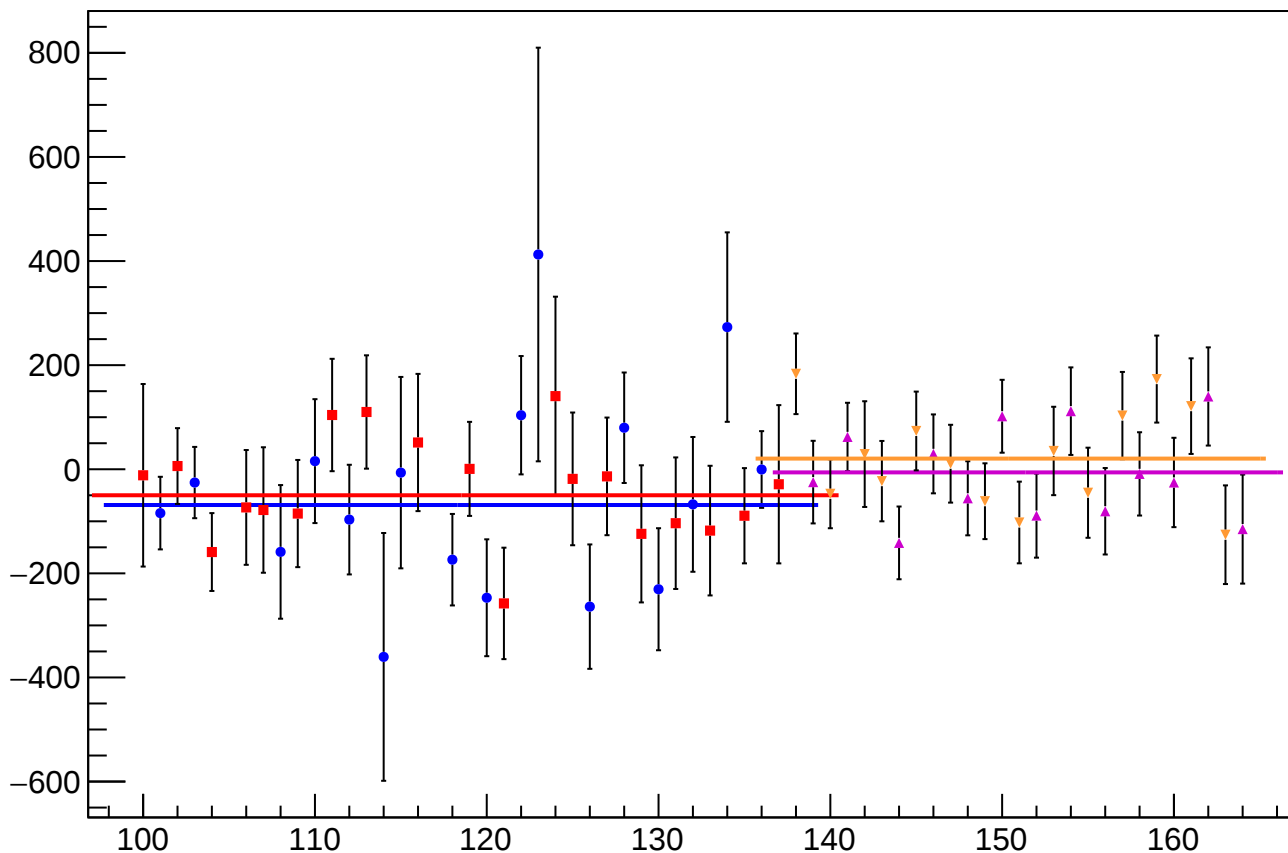
Right: 945.597 ± 0.181 χ^2/NDF : 463155.1/35

In: 1074.740 ± 0.190 χ^2/NDF : 1884718.2/29

Out: 1061.615 ± 0.184 χ^2/NDF : 1793726.1/32

All: 1067.958 ± 0.132 χ^2/NDF : 3680905.5/62

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -68.688 ± 25.946 χ^2/NDF : 21.8/16

Left Out: 20.496 ± 21.557 χ^2/NDF : 18.5/13

Right Out: -49.958 ± 25.020 χ^2/NDF : 14.0/18

Left In: -6.016 ± 21.788 χ^2/NDF : 15.3/12

Left: 7.381 ± 15.324 χ^2/NDF : 34.6/26

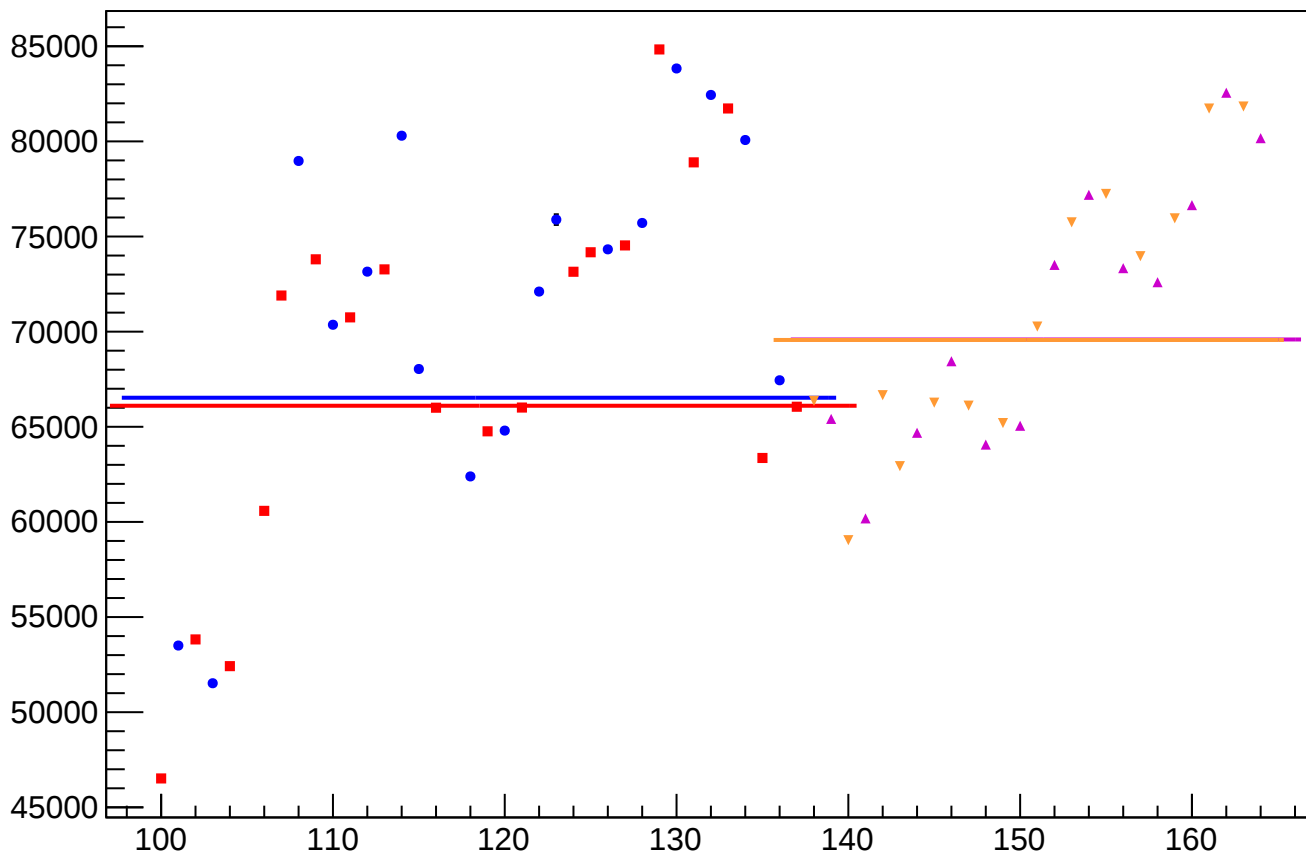
Right: -58.983 ± 18.010 χ^2/NDF : 36.0/35

In: -31.934 ± 16.685 χ^2/NDF : 40.5/29

Out: -9.522 ± 16.331 χ^2/NDF : 37.1/32

All: -20.488 ± 11.671 χ^2/NDF : 78.5/62

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: 69588.850+/-15.406 χ^2/NDF : 177108.0/12

Left: 69576.088+/-10.836 χ^2/NDF : 375007.2/26

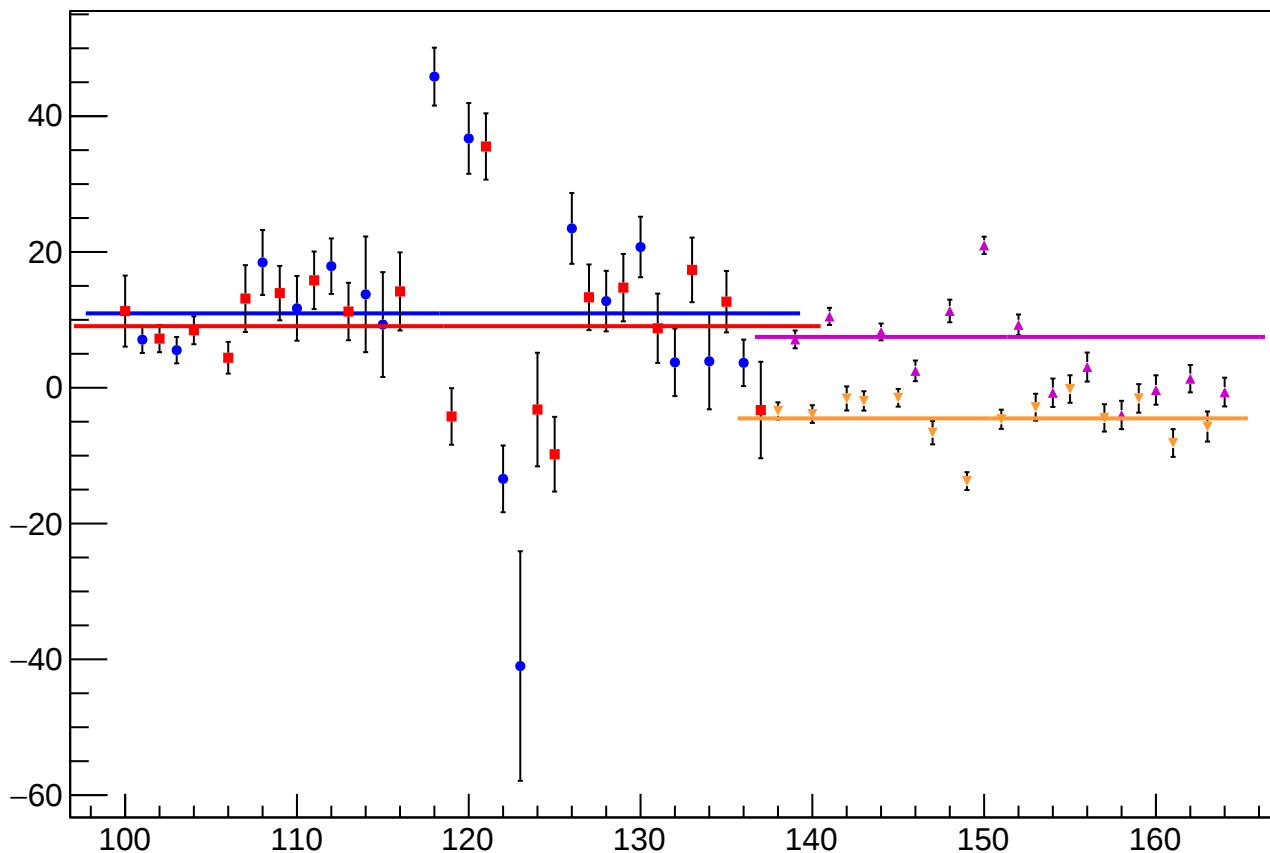
Right: 66308.894+/-12.735 χ^2/NDF : 619646.0/35

In: 68322.733+/-11.798 χ^2/NDF : 514326.5/29

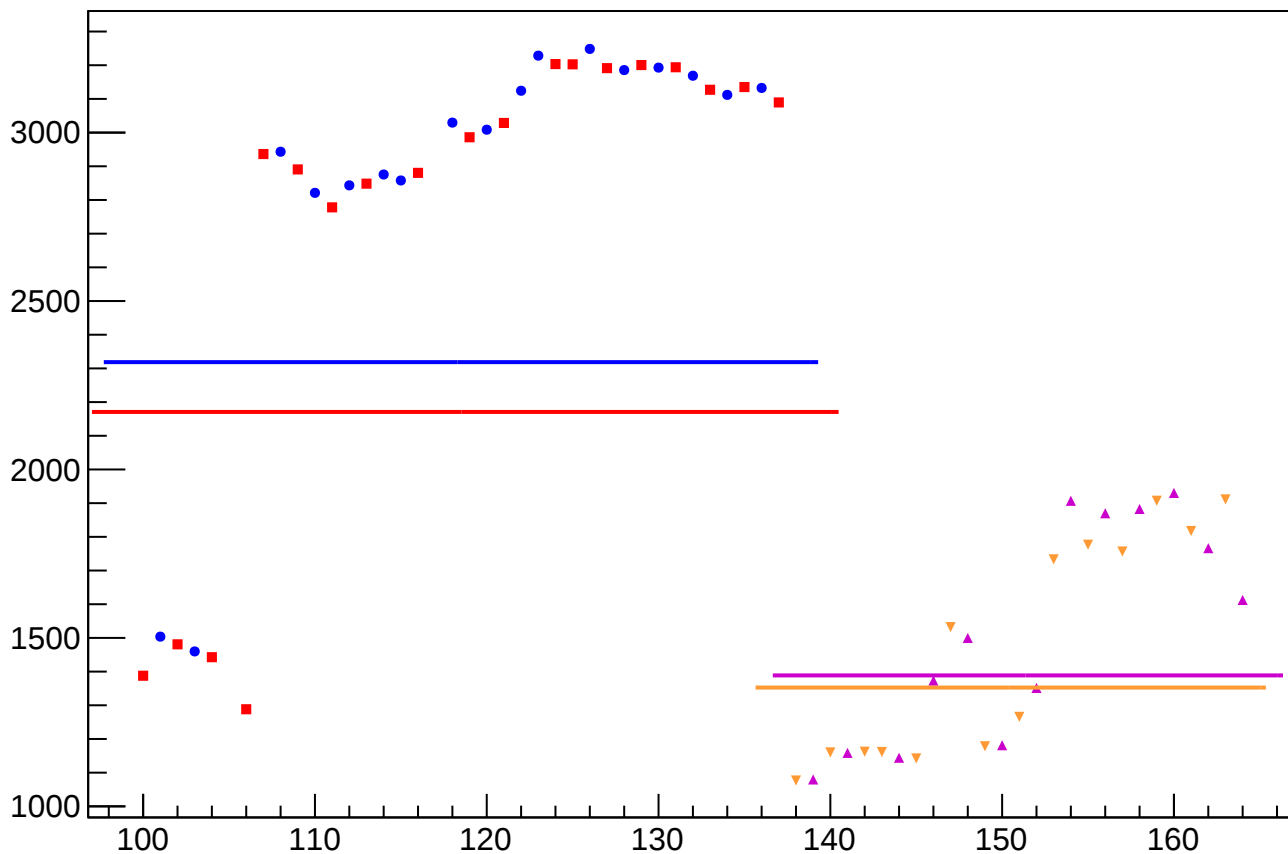
Out: 68090.346+/-11.548 χ^2/NDF : 518306.8/32

All: 68204.049+/-8.253 χ^2/NDF : 1032831.5/66

diff_bpm0r03Y_mean vs Slug, Sign Corrected



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: 1388.724 $\pm$ 0.314 χ^2/NDF : 873853.6/12

Left: 1370.001 $\pm$ 0.218 χ^2/NDF : 1809218.1/26

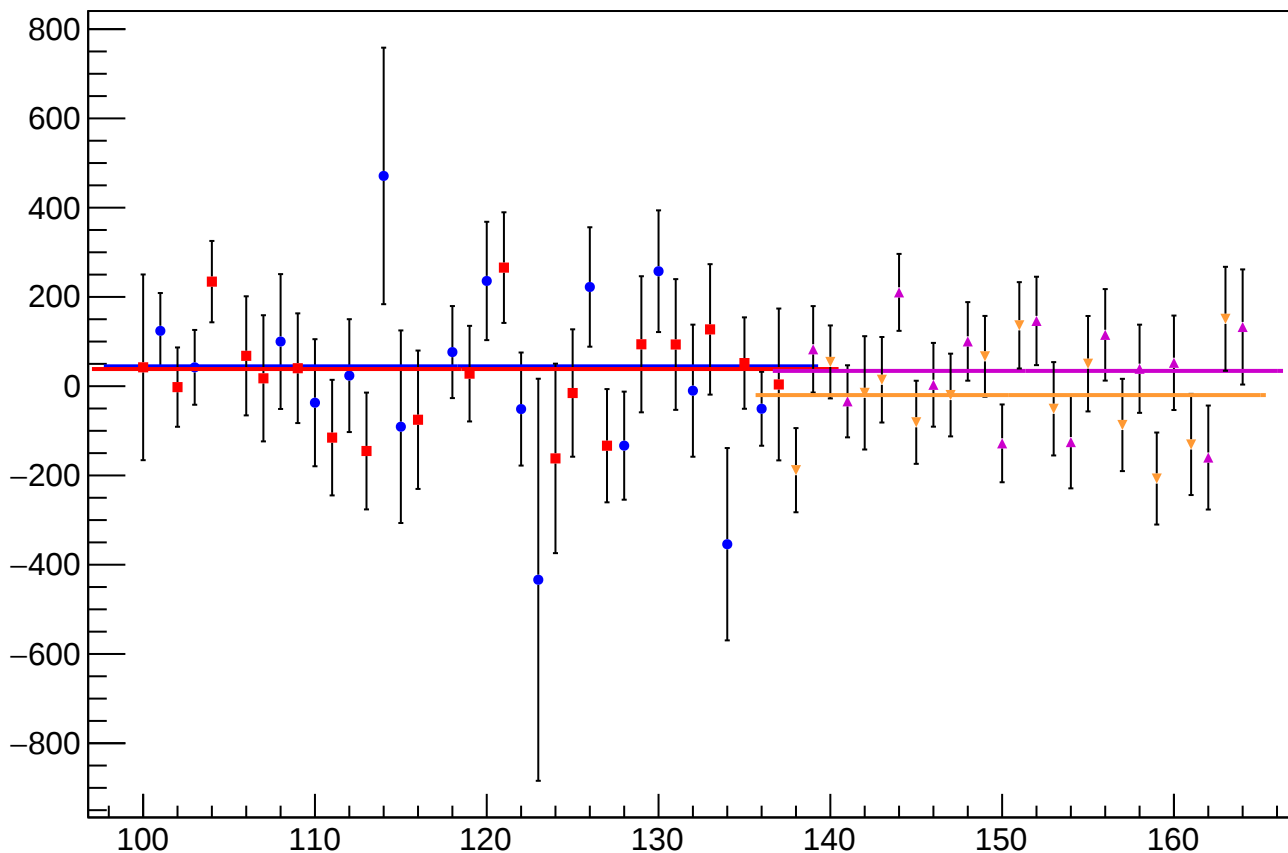
Right: 2238.439 $\pm$ 0.451 χ^2/NDF : 3188639.4/35

In: 1557.481 $\pm$ 0.284 χ^2/NDF : 3873411.7/29

Out: 1513.209 $\pm$ 0.271 χ^2/NDF : 4115868.8/32

All: 1534.334 $\pm$ 0.196 χ^2/NDF : 8001975.9/62

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: 34.256 $\pm$ 26.876 χ^2 /NDF:16.9/12

Left: 6.898 $\pm$ 18.911 χ^2 /NDF: 34.4/26

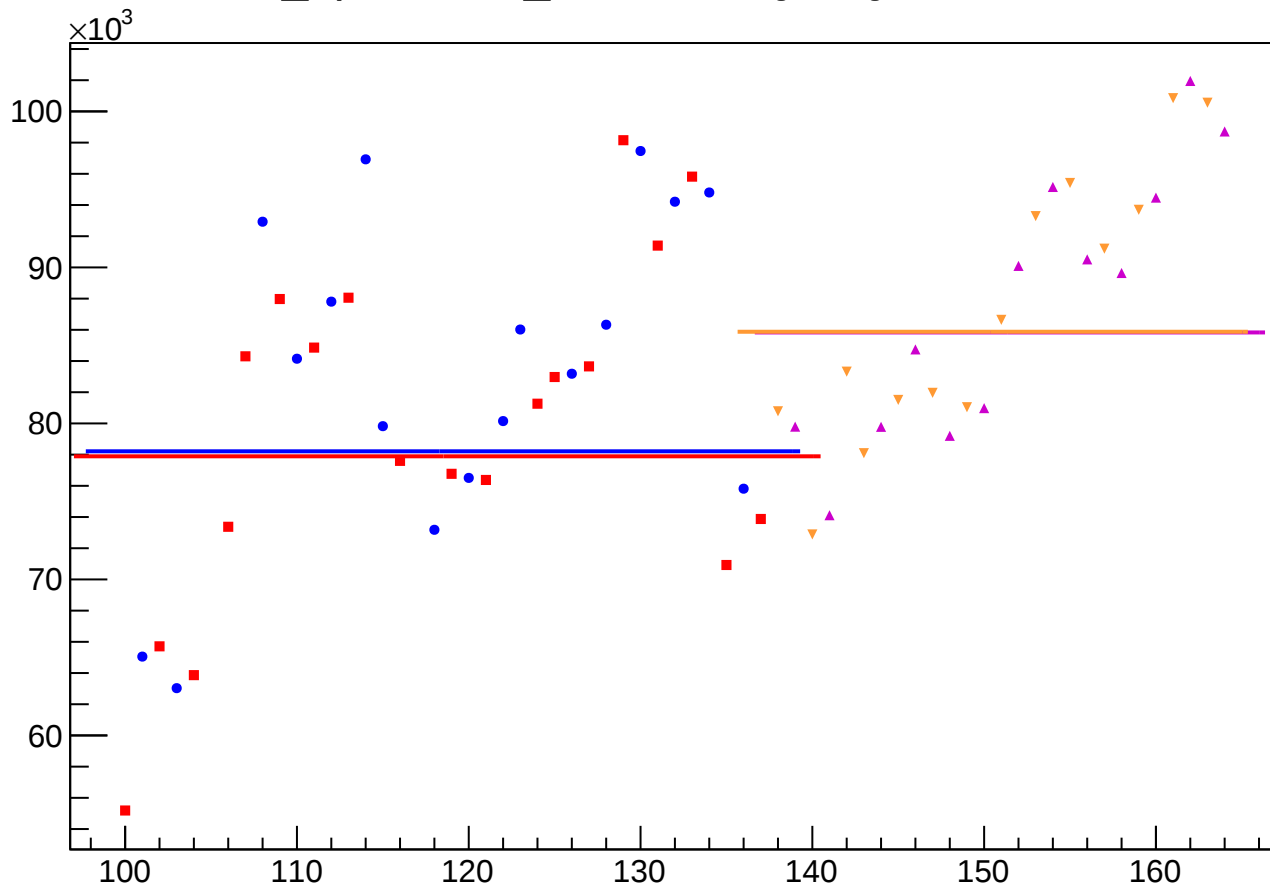
Right: 41.353 $\pm$ 21.157 χ^2 /NDF: 34.9/35

In: 38.737 $\pm$ 20.145 χ^2 /NDF:36.1/29

Out: 6.318 $\pm$ 19.741 χ^2 /NDF:33.3/32

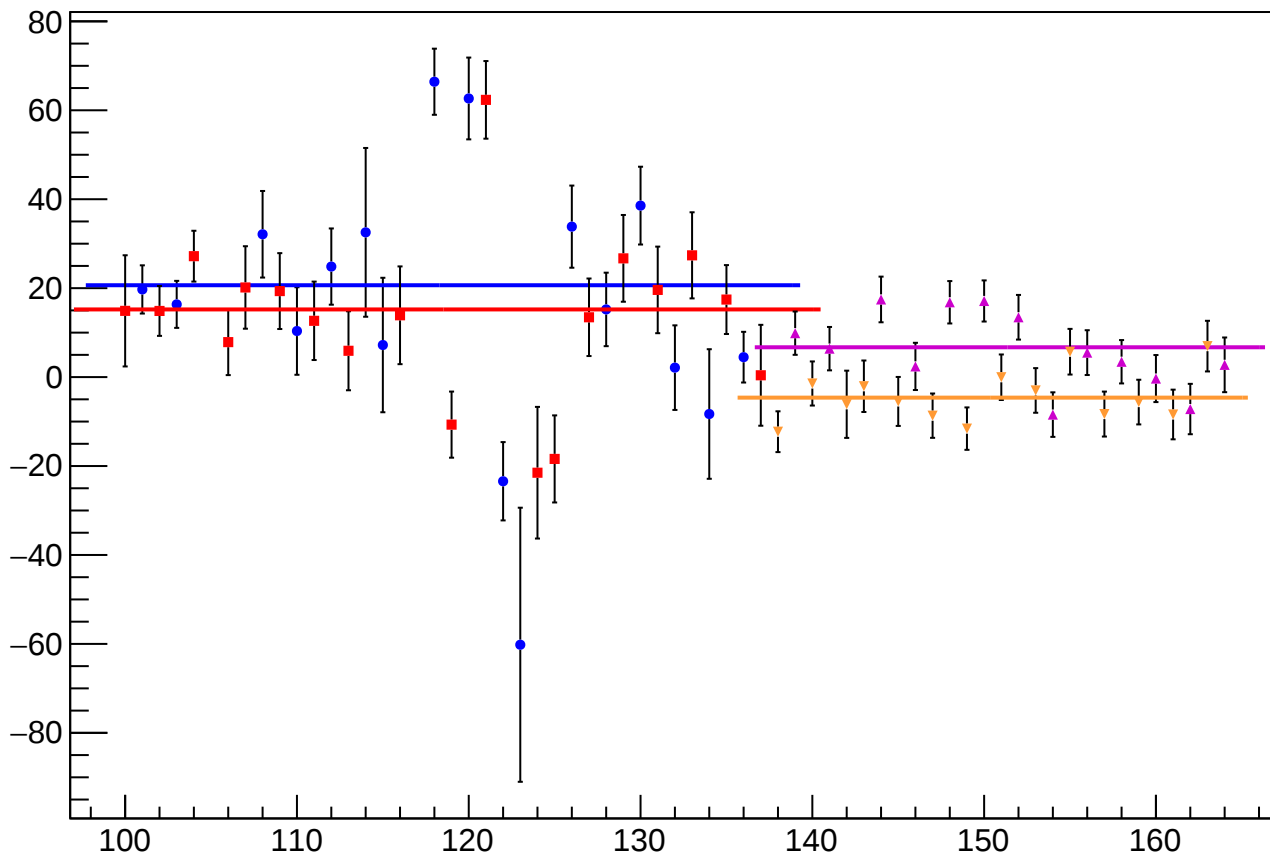
All: 22.200 $\pm$ 14.099 χ^2 /NDF: 70.7/62

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 78213.025+/-21.519	χ^2/NDF : 251056.7/16	Left: 85854.172+/-13.372	χ^2/NDF : 369756.4/26
Left Out: 85876.140+/-18.818	χ^2/NDF : 193622.4/13	Right: 78047.137+/-14.960	χ^2/NDF : 498141.9/35
Right Out: 77891.938+/-20.814	χ^2/NDF : 246970.2/18	In: 82493.267+/-14.244	χ^2/NDF : 497612.9/29
Left In: 85831.767+/-19.004	χ^2/NDF : 176131.2/12	Out: 82284.998+/-13.959	χ^2/NDF : 521558.2/32
		All: 82387.024+/-9.970	χ^2/NDF : 1019280.2/6

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.657 ± 2.036 $\chi^2/\text{NDF}: 117.7/16$

Left Out: -4.618 ± 1.400 $\chi^2/\text{NDF}: 16.4/13$

Right Out: 15.216 ± 1.955 $\chi^2/\text{NDF}: 71.3/18$

Left In: 6.706 ± 1.410 $\chi^2/\text{NDF}: 34.7/12$

Left: 1.002 ± 0.994 $\chi^2/\text{NDF}: 83.5/26$

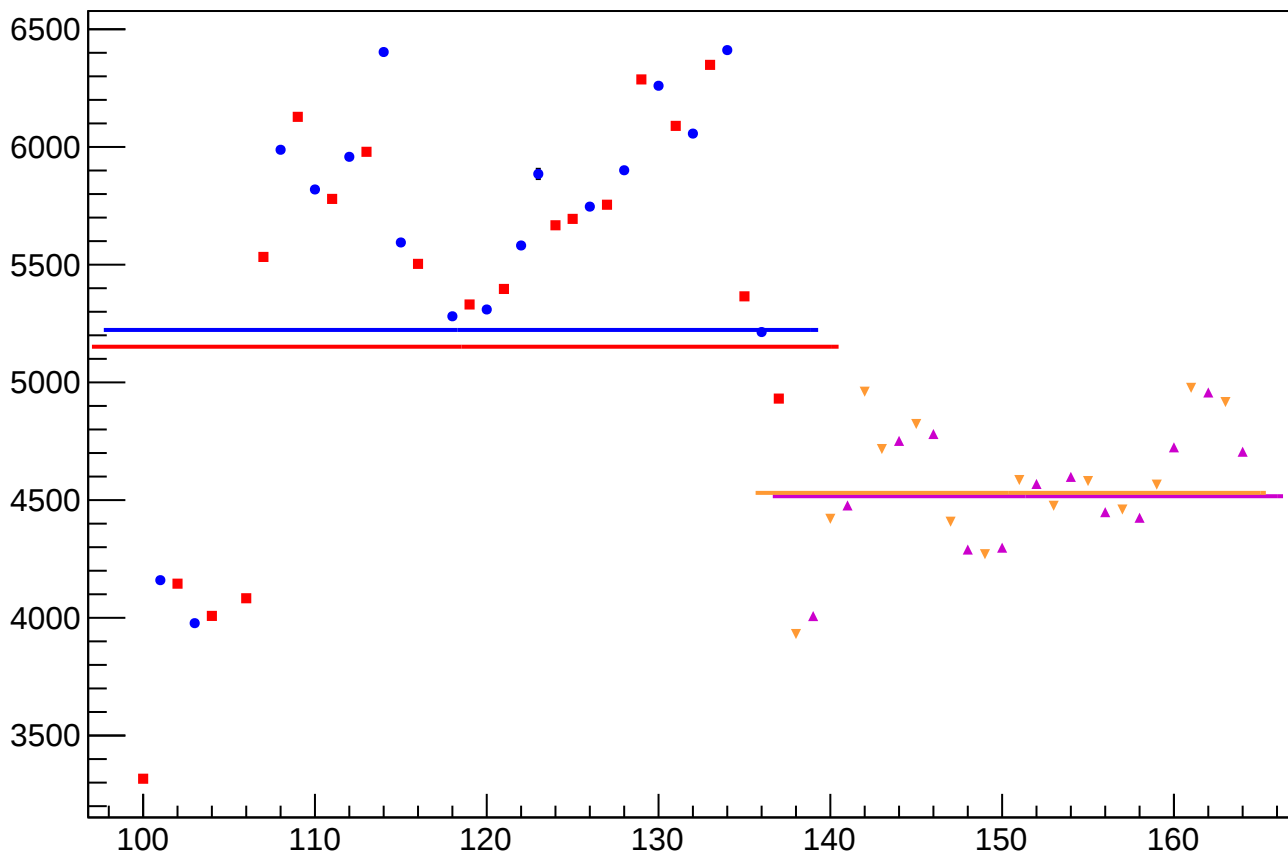
Right: 17.826 ± 1.410 $\chi^2/\text{NDF}: 192.8/35$

In: 11.230 ± 1.159 $\chi^2/\text{NDF}: 184.1/29$

Out: 2.107 ± 1.138 $\chi^2/\text{NDF}: 155.7/32$

All: 6.584 ± 0.812 $\chi^2/\text{NDF}: 371.4/62$

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: 4516.513 $\pm$ 0.997 χ^2 /NDF: 59001.9/12

Left: 4523.673 $\pm$ 0.703 χ^2 /NDF: 138676.4/26

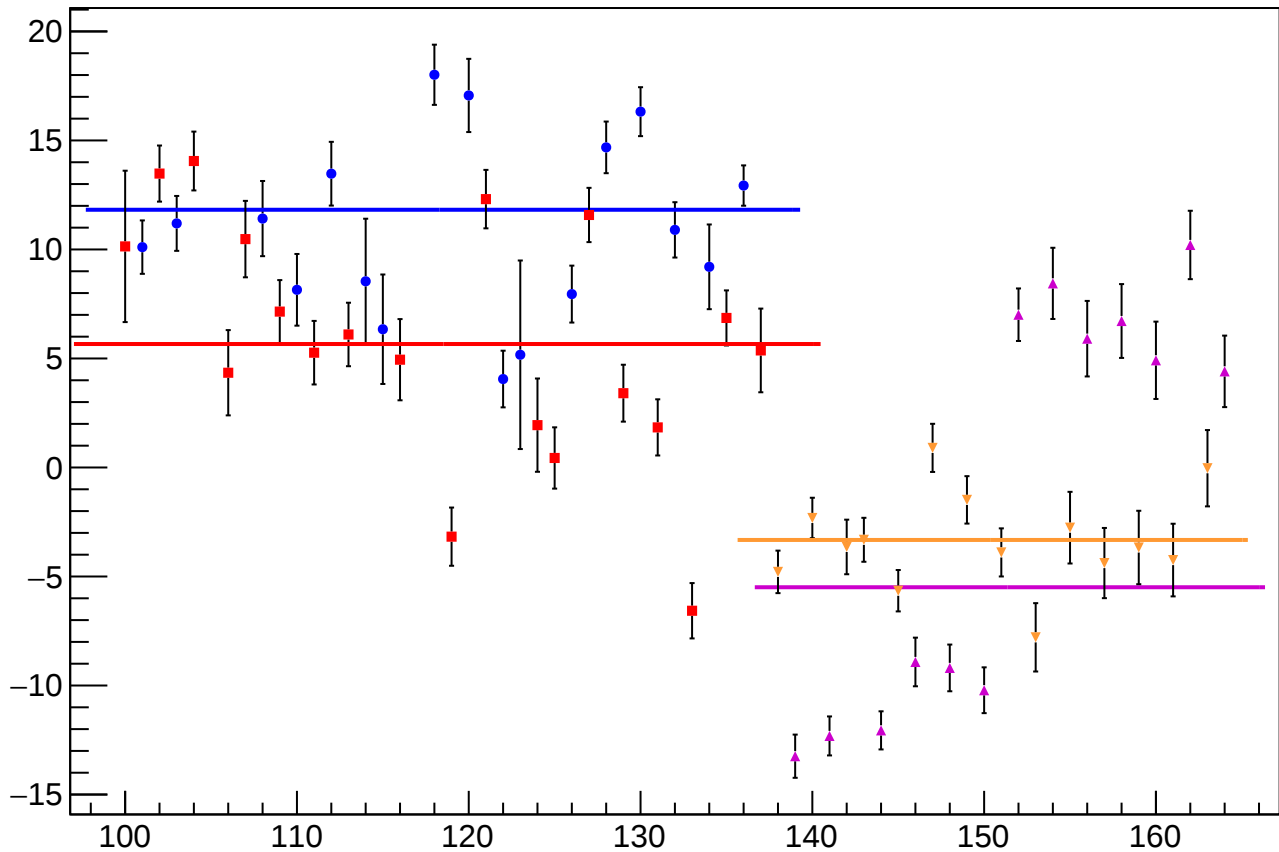
Right: 5185.701 $\pm$ 0.997 χ^2 /NDF: 701457.6/35

In: 4745.552 $\pm$ 0.820 χ^2 /NDF: 534130.2/29

Out: 4741.209 $\pm$ 0.805 χ^2 /NDF: 600593.3/32

All: 4743.340 $\pm$ 0.574 χ^2 /NDF: 1134737.8/62

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: -5.493 ± 0.333 $\chi^2/\text{NDF}: 664.3/12$

Left: -4.371 ± 0.232 $\chi^2/\text{NDF}: 726.0/26$

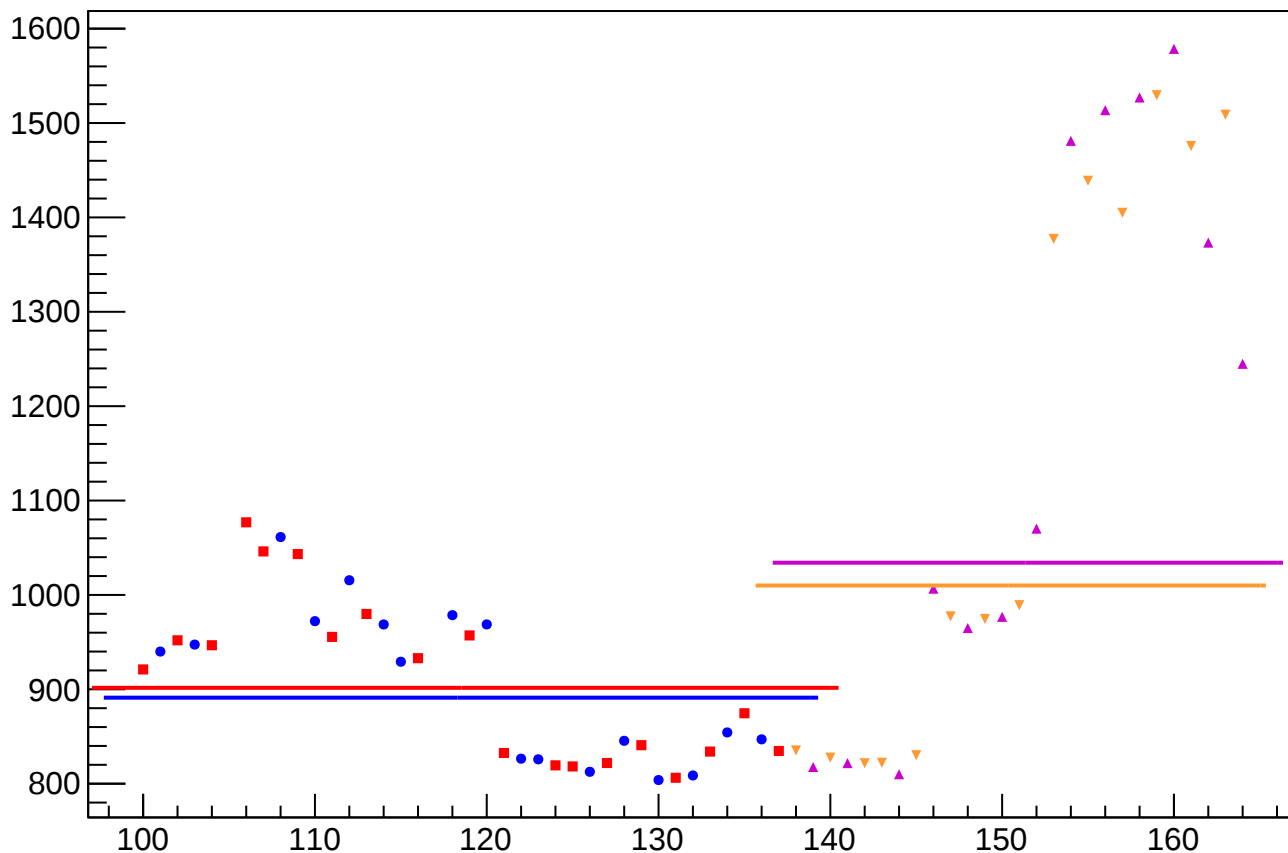
Right: 8.688 ± 0.241 $\chi^2/\text{NDF}: 579.7/35$

In: 2.878 ± 0.240 $\chi^2/\text{NDF}: 2086.0/29$

Out: 0.947 ± 0.233 $\chi^2/\text{NDF}: 709.9/32$

All: 1.887 ± 0.167 $\chi^2/\text{NDF}: 2829.1/62$

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 891.149+/-0.244 χ^2/NDF : 101659.1/16

Left Out: 1009.989+/-0.228 χ^2/NDF :1208108.3/13

Right Out: 901.588+/-0.239 χ^2/NDF : 114590.8/18

Left In: 1034.137+/-0.236 χ^2/NDF :1144665.8/12

Left: 1021.652+/-0.164 χ^2/NDF : 2358202.5/26

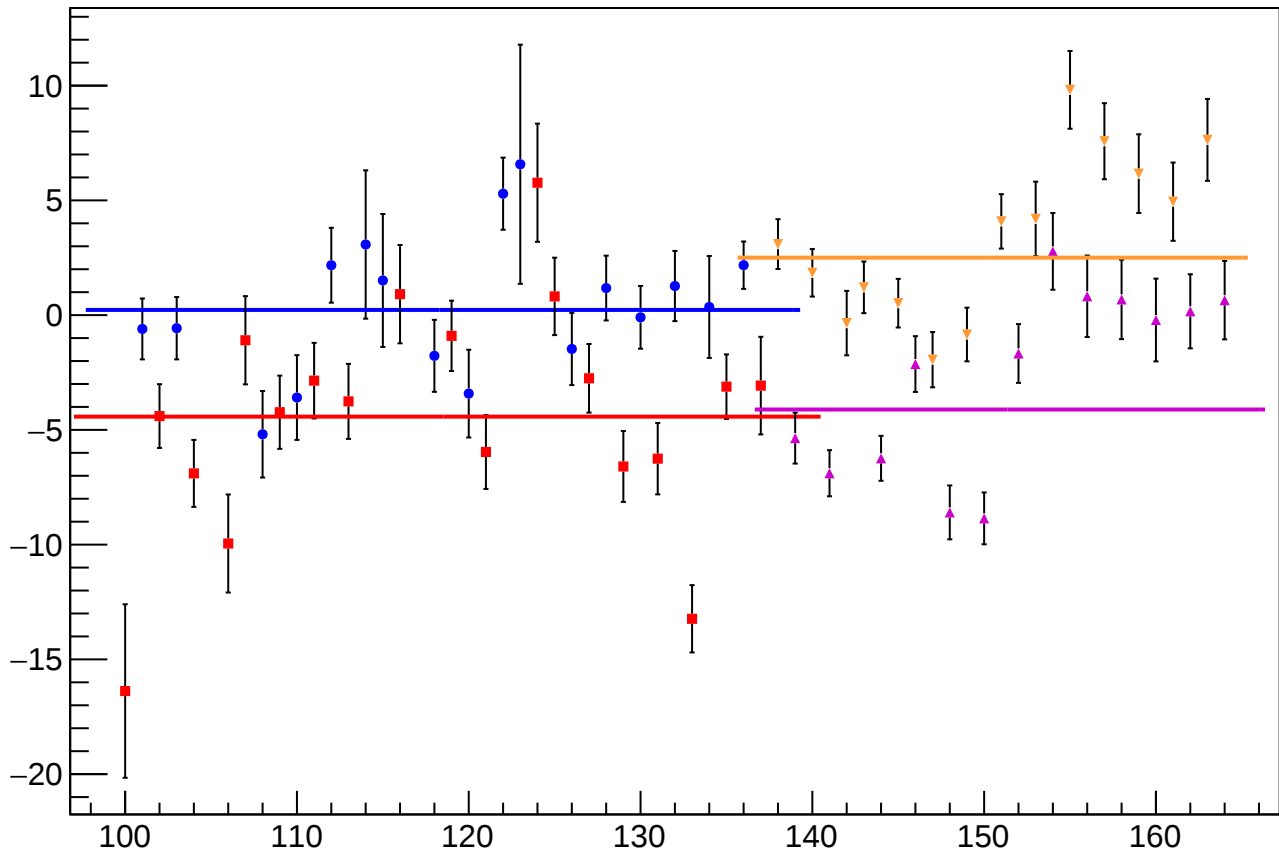
Right: 896.461+/-0.171 χ^2/NDF : 217184.3/35

In: 965.006+/-0.169 χ^2/NDF :1424295.7/29

Out: 958.467+/-0.165 χ^2/NDF :1430342.3/32

All: 961.651+/-0.118 χ^2/NDF : 2855402.7/62

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.227 $\pm$ 0.395 χ^2/NDF : 38.5/16

Left Out: 2.505 $\pm$ 0.349 χ^2/NDF : 77.2/13

Right Out: -4.423 $\pm$ 0.387 χ^2/NDF : 103.3/18

Left In: -4.113 $\pm$ 0.361 χ^2/NDF : 104.0/12

Left: -0.698 $\pm$ 0.251 χ^2/NDF : 354.8/26

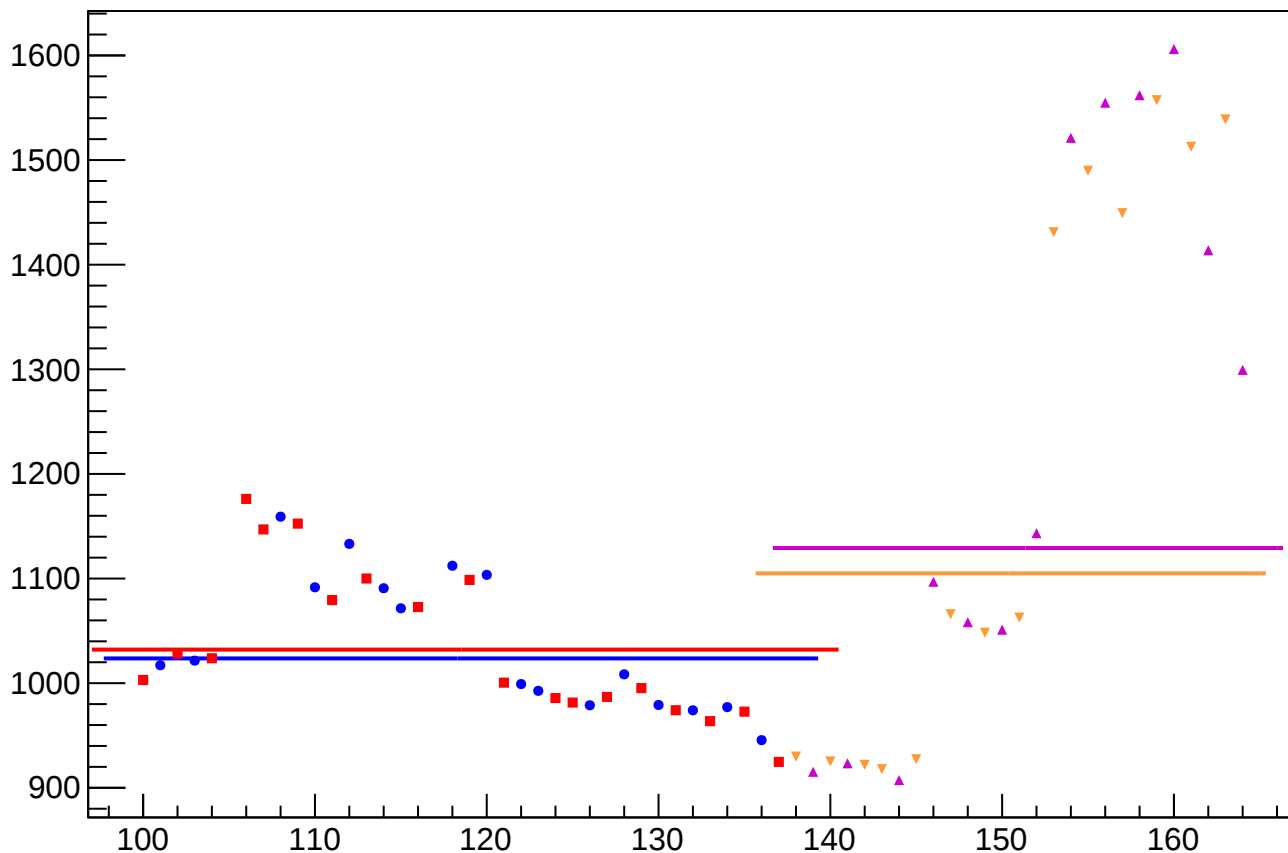
Right: -2.147 $\pm$ 0.276 χ^2/NDF : 212.6/35

In: -2.139 $\pm$ 0.266 χ^2/NDF : 208.3/29

Out: -0.609 $\pm$ 0.259 χ^2/NDF : 357.2/32

All: -1.353 $\pm$ 0.186 χ^2/NDF : 582.5/62

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 1023.655+/-0.279 χ^2/NDF : 52373.8/16

Left Out: 1104.982+/-0.247 χ^2/NDF : 909349.0/13

Right Out: 1032.107+/-0.273 χ^2/NDF : 59391.6/18

Left In: 1129.181+/-0.255 χ^2/NDF : 851584.2/12

Left: 1116.695+/-0.177 χ^2/NDF : 1765576.3/26

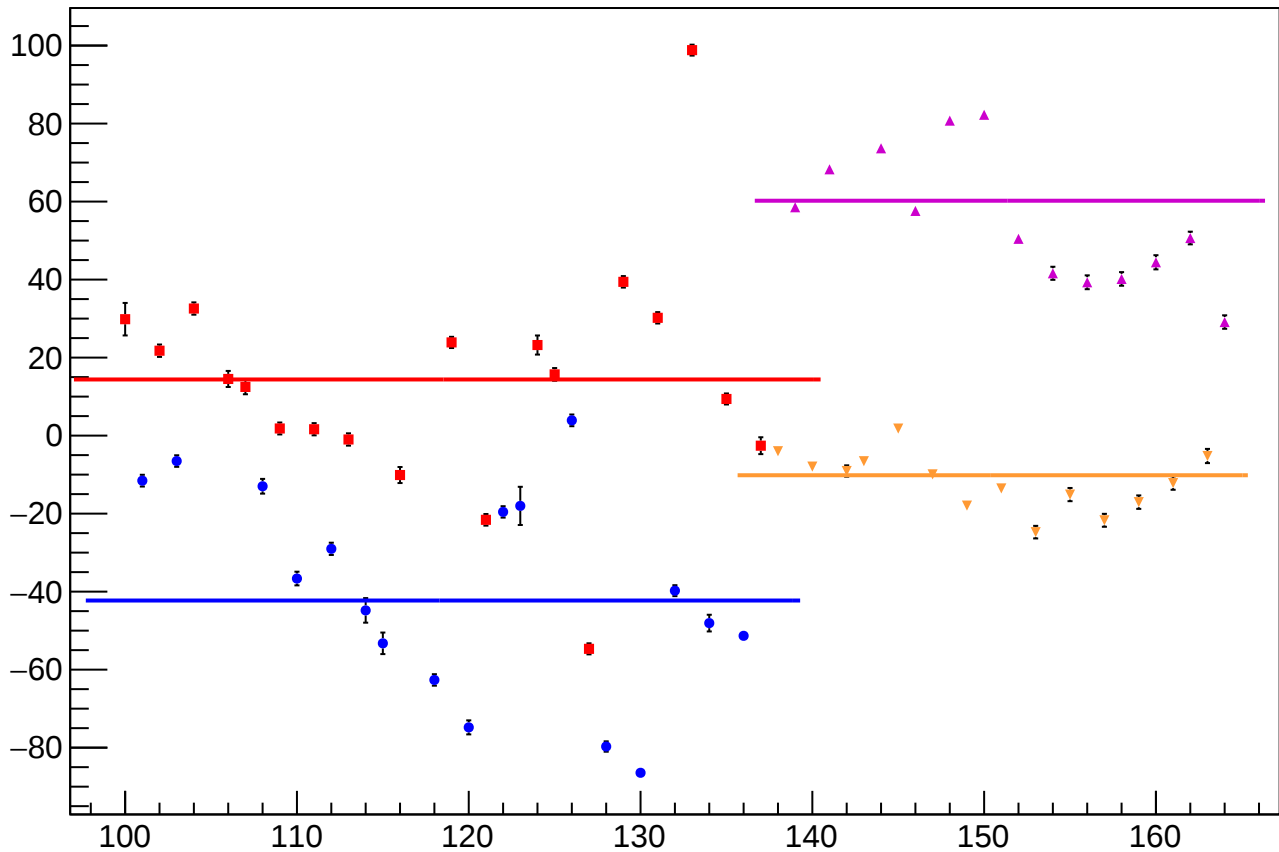
Right: 1027.970+/-0.195 χ^2/NDF : 112233.0/35

In: 1081.185+/-0.188 χ^2/NDF : 981783.8/29

Out: 1072.227+/-0.183 χ^2/NDF : 1007841.1/32

All: 1076.585+/-0.131 χ^2/NDF : 1990786.2/62

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -42.278 ± 0.387 χ^2/NDF : 5126.8/16

Left Out: -10.161 ± 0.357 χ^2/NDF : 375.1/13

Right Out: 14.393 ± 0.378 χ^2/NDF : 7669.8/18

Left In: 60.218 ± 0.371 χ^2/NDF : 1713.1/12

Left: 23.722 ± 0.257 χ^2/NDF : 20746.7/26

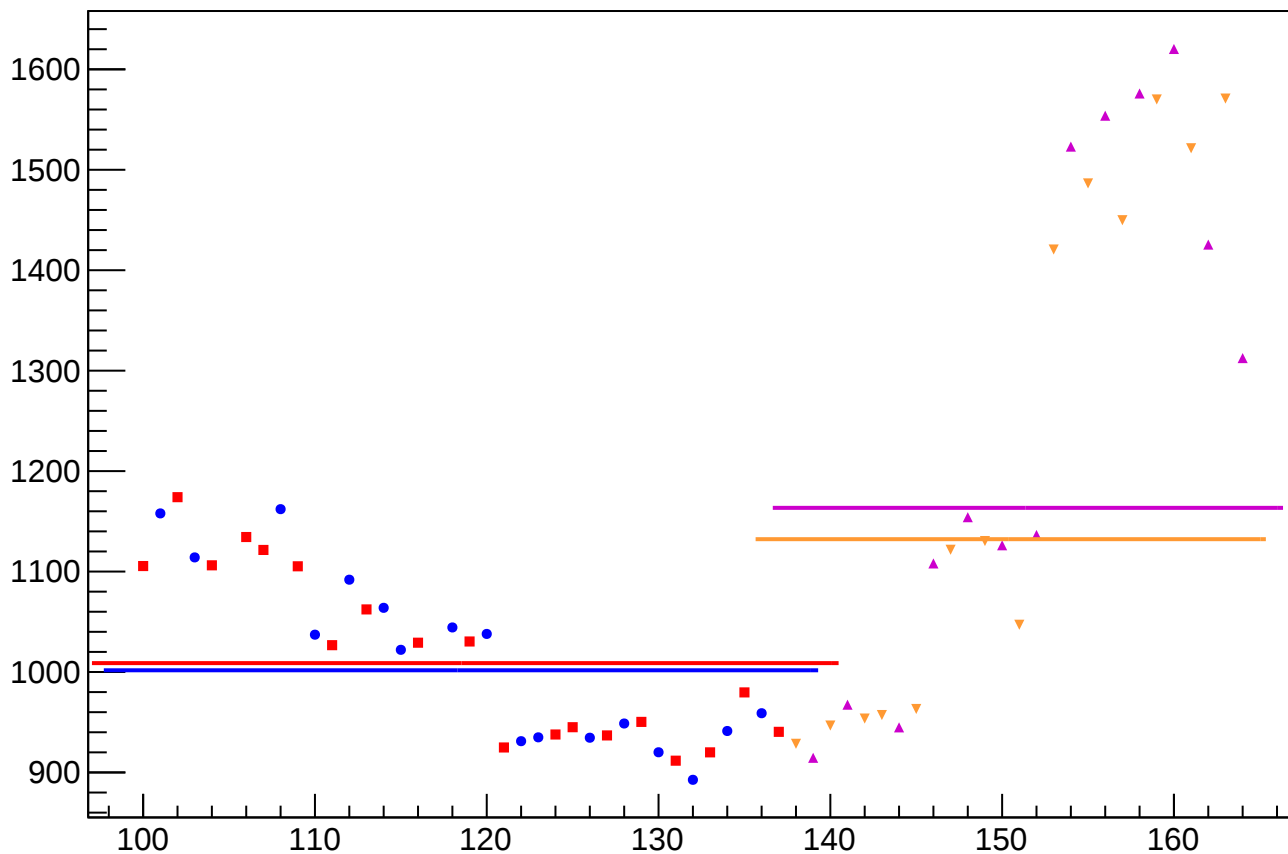
Right: -13.301 ± 0.271 χ^2/NDF : 23754.3/35

In: 11.145 ± 0.268 χ^2/NDF : 43377.4/29

Out: 1.417 ± 0.260 χ^2/NDF : 10269.2/32

All: 6.134 ± 0.187 χ^2/NDF : 54326.0/62

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 1001.706 $\pm$ 0.274 χ^2 /NDF: 95480.0/16

Left Out: 1132.235 $\pm$ 0.253 χ^2 /NDF: 836486.9/13

Right Out: 1008.848 $\pm$ 0.268 χ^2 /NDF: 95349.9/18

Left In: 1163.426 $\pm$ 0.262 χ^2 /NDF: 762117.1/12

Left: 1147.252 $\pm$ 0.182 χ^2 /NDF: 1605933.5/26

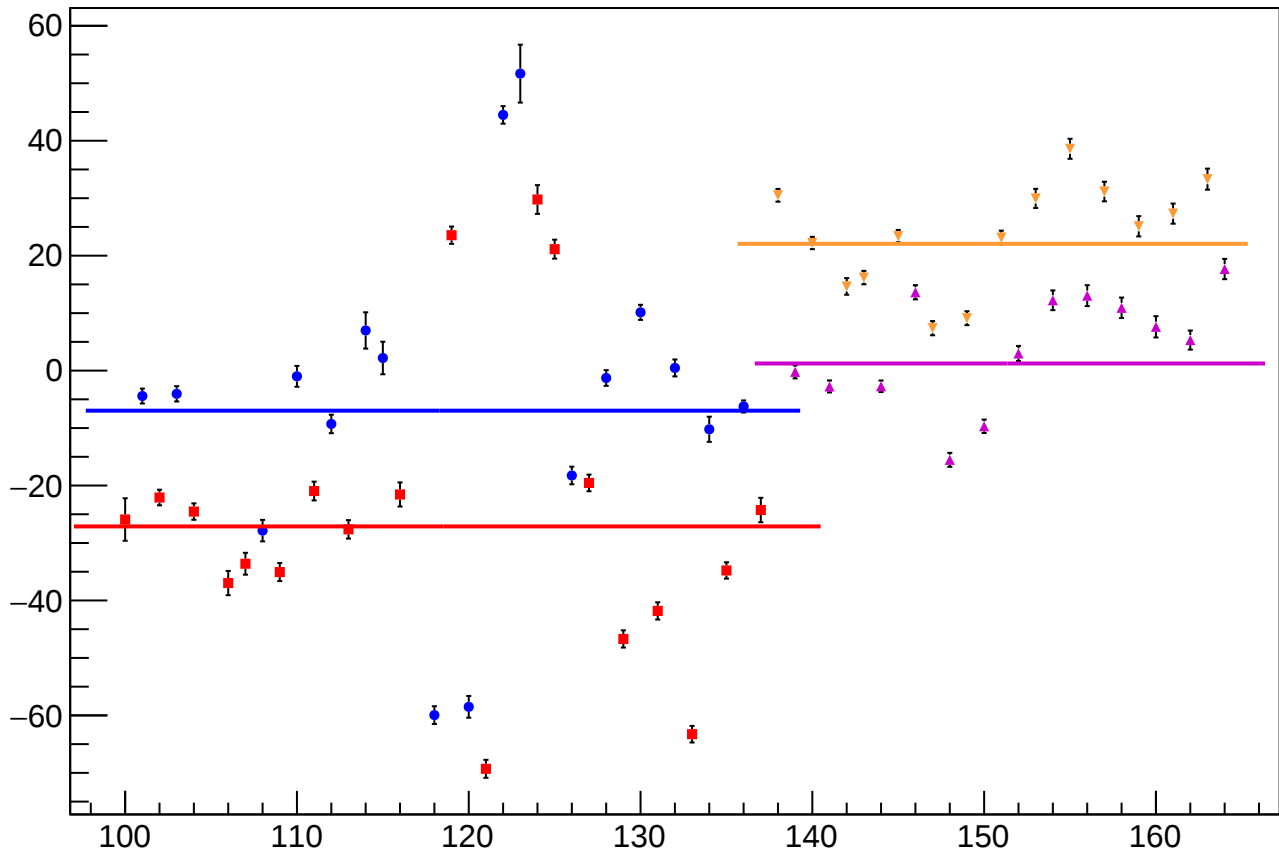
Right: 1005.358 $\pm$ 0.191 χ^2 /NDF: 191177.9/35

In: 1085.999 $\pm$ 0.189 χ^2 /NDF: 1039517.3/29

Out: 1074.054 $\pm$ 0.184 χ^2 /NDF: 1044180.7/32

All: 1079.846 $\pm$ 0.132 χ^2 /NDF: 2085746.5/62

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: 1.238 ± 0.371 χ^2/NDF : 629.5/12

Left: 11.992 ± 0.258 χ^2/NDF : 2810.2/26

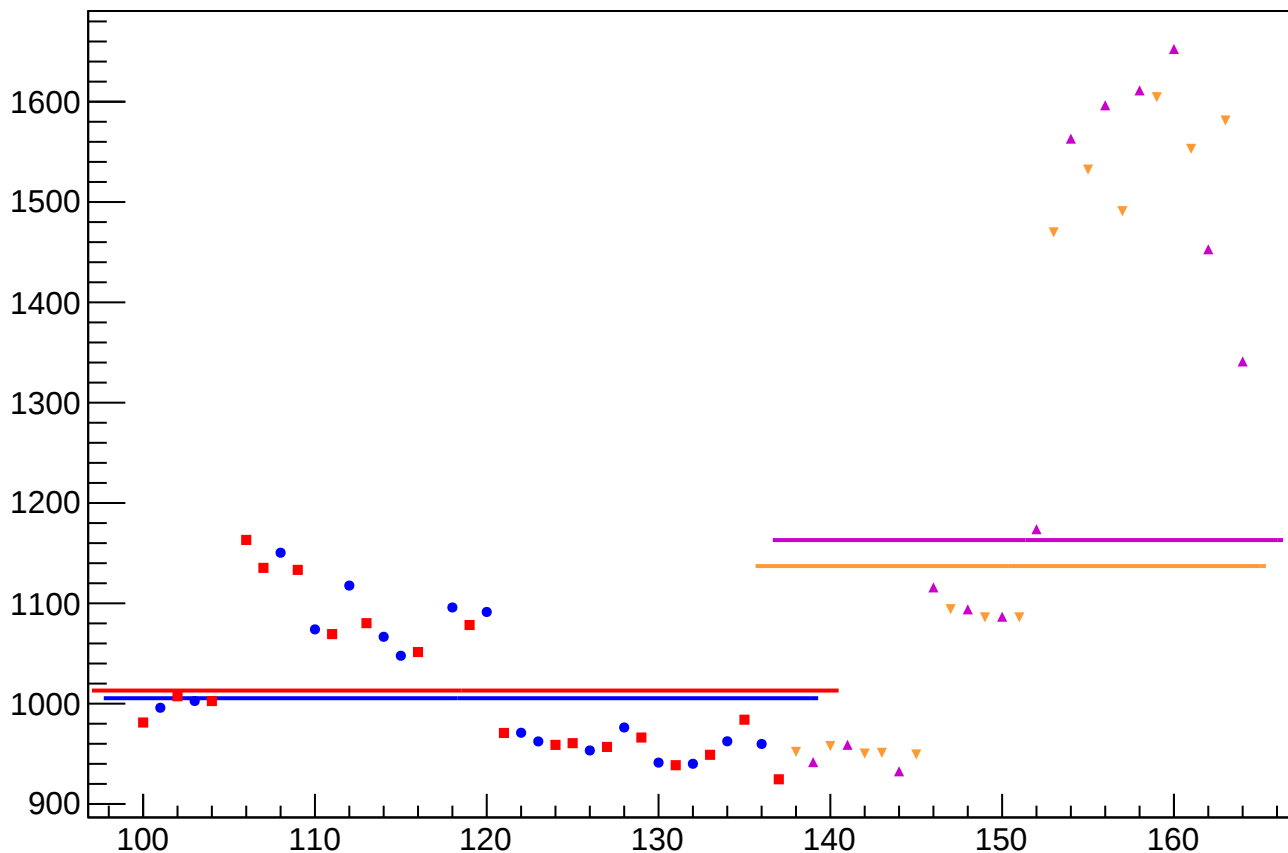
Right: -17.264 ± 0.271 χ^2/NDF : 9297.5/35

In: -2.690 ± 0.268 χ^2/NDF : 4500.1/29

Out: -1.190 ± 0.261 χ^2/NDF : 13690.1/32

All: -1.919 ± 0.187 χ^2/NDF : 18206.3/62

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 1005.409 $\pm$ 0.274 χ^2 /NDF: 54586.0/16

Left Out: 1137.121 $\pm$ 0.254 χ^2 /NDF: 904410.4/13

Right Out: 1013.064 $\pm$ 0.268 χ^2 /NDF: 63265.7/18

Left In: 1163.041 $\pm$ 0.263 χ^2 /NDF: 843411.3/12

Left: 1149.657 $\pm$ 0.183 χ^2 /NDF: 1752849.8/26

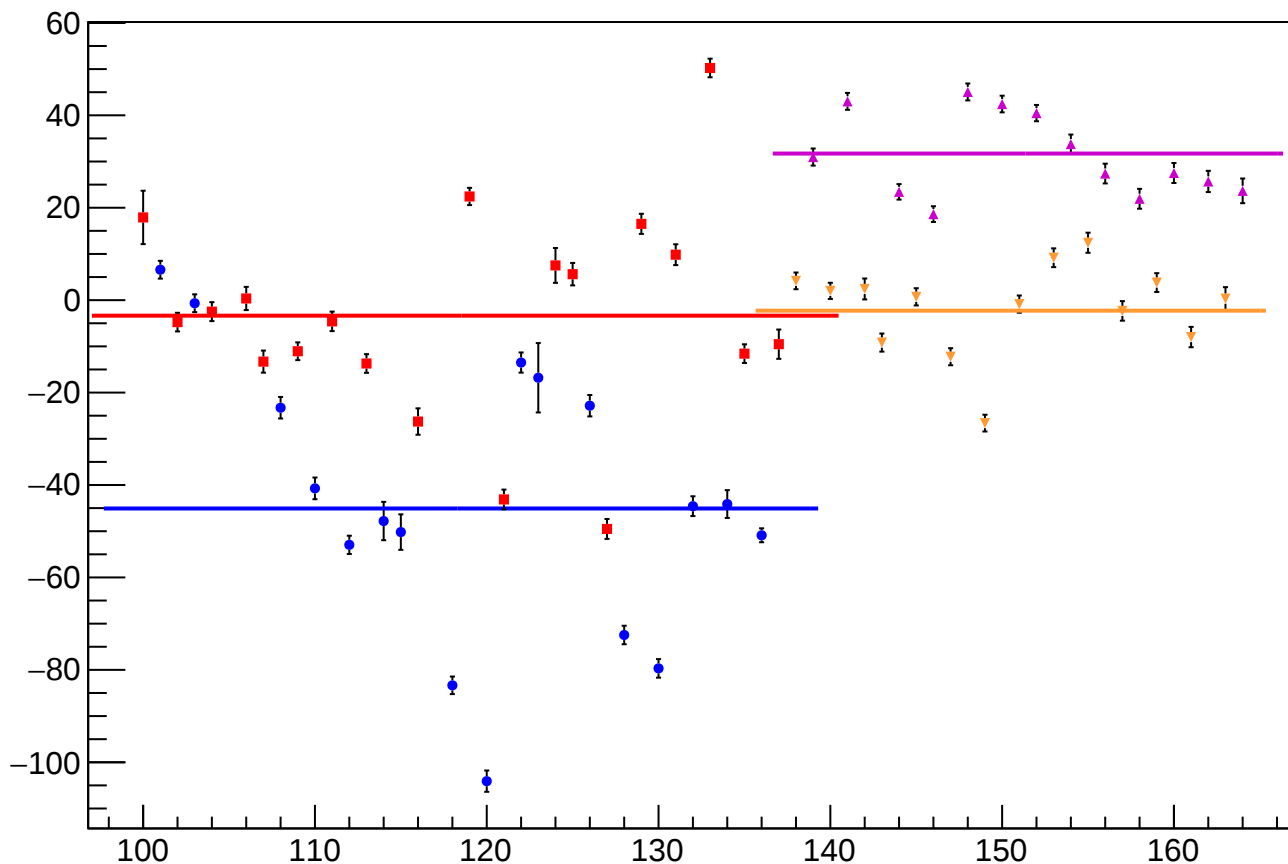
Right: 1009.320 $\pm$ 0.192 χ^2 /NDF: 118249.5/35

In: 1087.645 $\pm$ 0.190 χ^2 /NDF: 1070252.9/29

Out: 1078.463 $\pm$ 0.185 χ^2 /NDF: 1080289.8/32

All: 1082.928 $\pm$ 0.132 χ^2 /NDF: 2151746.3/62

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: 31.725 ± 0.540 χ^2/NDF : 280.3/12

Left: 14.440 ± 0.378 χ^2/NDF : 2638.2/26

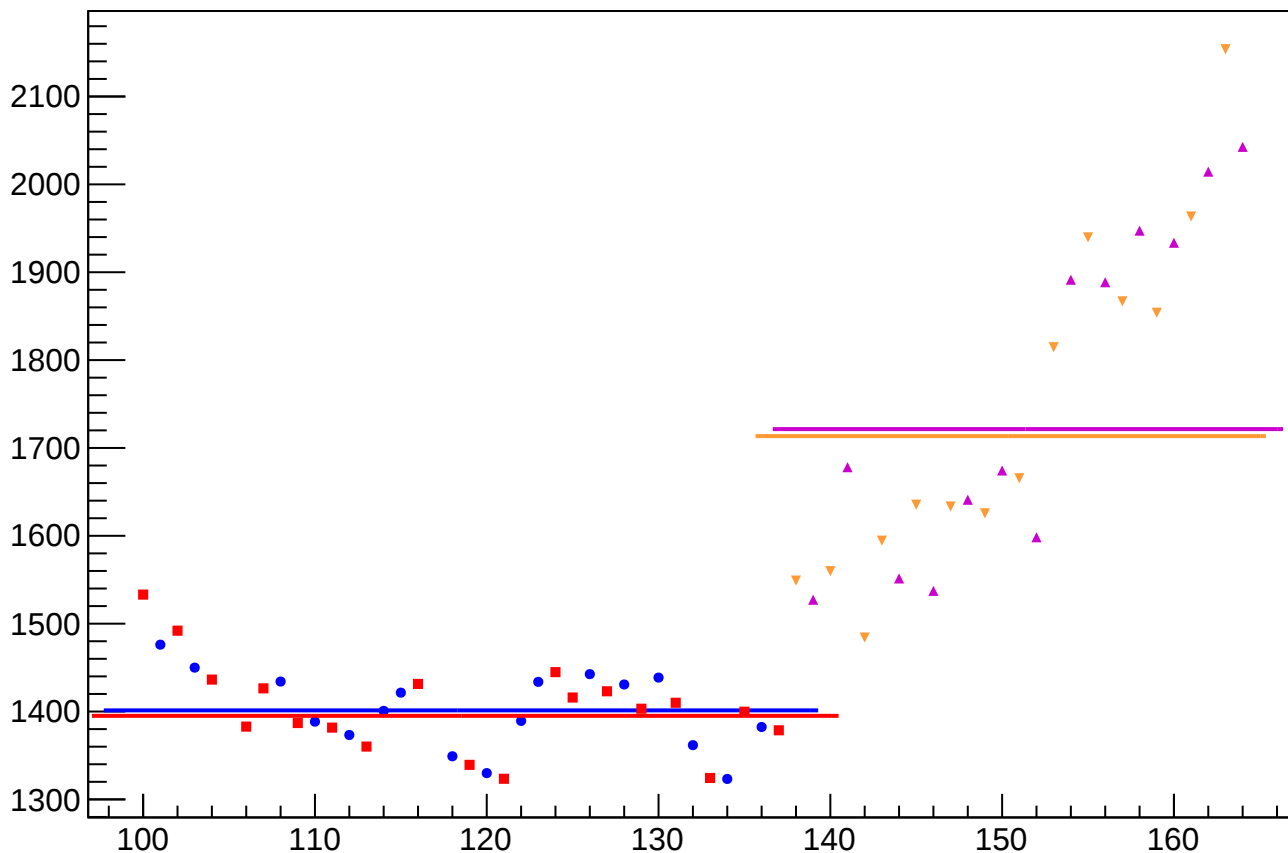
Right: -23.517 ± 0.375 χ^2/NDF : 8332.8/35

In: -6.690 ± 0.382 χ^2/NDF : 13641.9/29

Out: -2.823 ± 0.372 χ^2/NDF : 2349.7/32

All: -4.707 ± 0.266 χ^2/NDF : 16044.2/62

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: 1721.457+/-0.382 χ^2/NDF : 210601.7/12

Left: 1717.407+/-0.268 χ^2/NDF : 418989.4/26

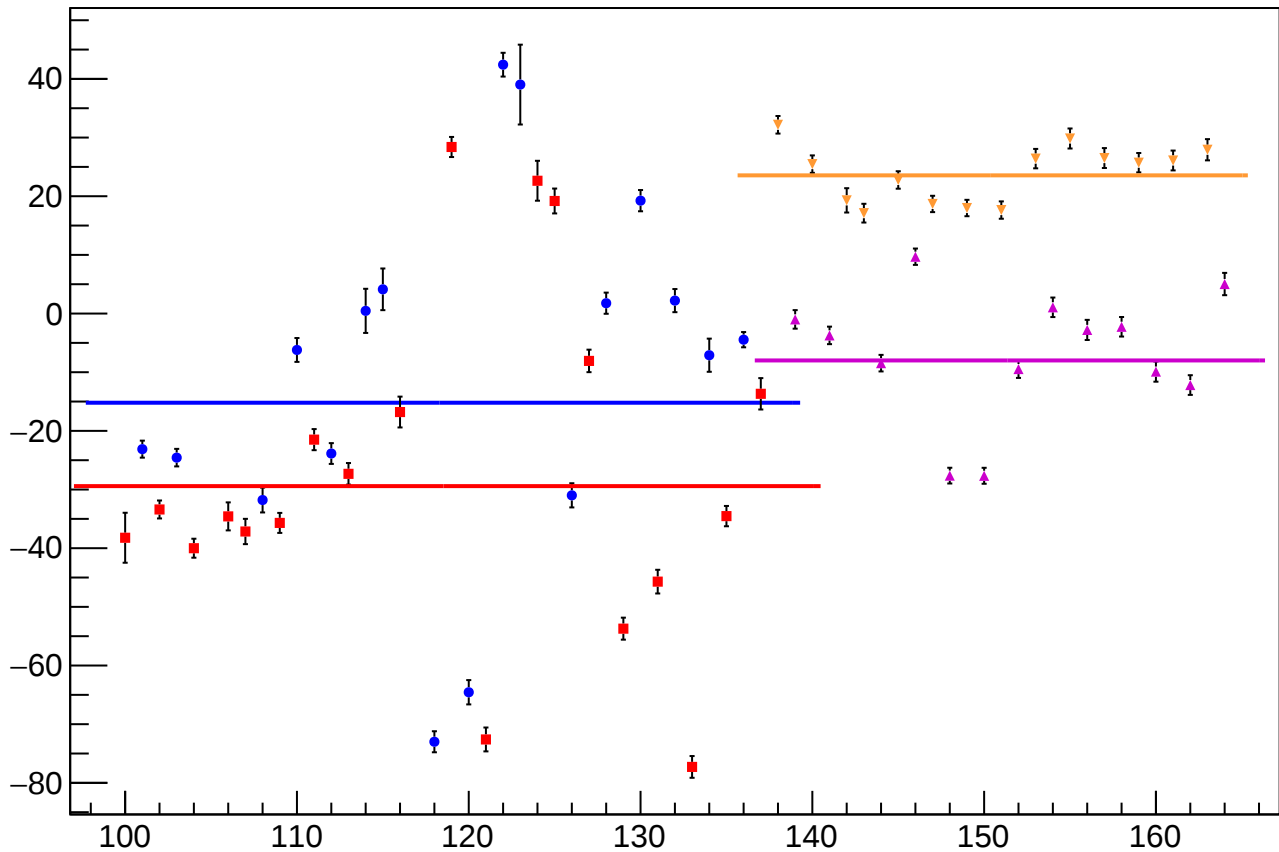
Right: 1398.102+/-0.265 χ^2/NDF : 28508.5/35

In: 1561.333+/-0.270 χ^2/NDF : 575238.4/29

Out: 1551.582+/-0.263 χ^2/NDF : 589621.8/32

All: 1556.334+/-0.188 χ^2/NDF : 1165529.4/62

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: -7.993 ± 0.429 χ^2/NDF : 718.4/12

Left: 7.932 ± 0.302 χ^2/NDF : 3577.1/26

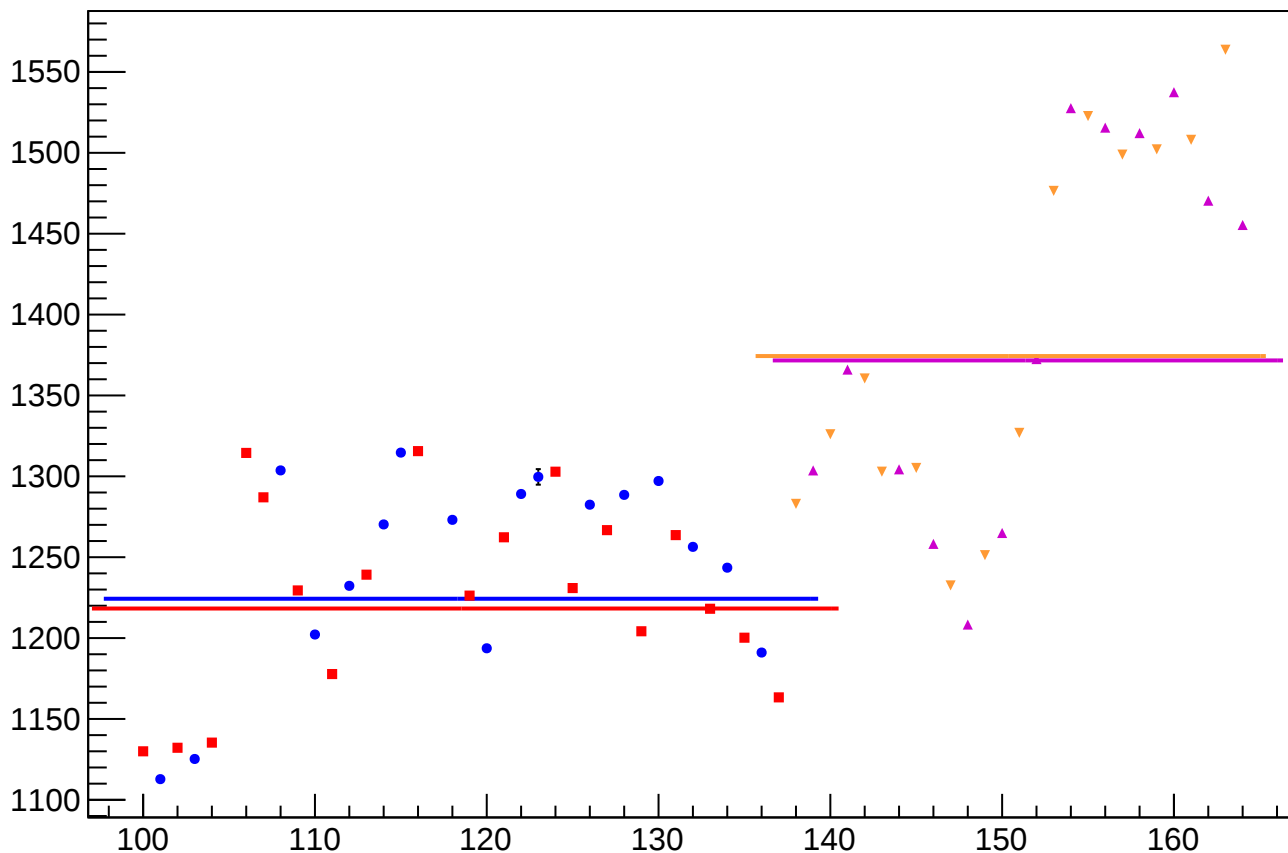
Right: -22.553 ± 0.328 χ^2/NDF : 7376.3/35

In: -11.254 ± 0.318 χ^2/NDF : 4208.6/29

Out: -1.055 ± 0.311 χ^2/NDF : 10893.6/32

All: -6.048 ± 0.222 χ^2/NDF : 15628.7/62

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: 1371.652+/-0.303 χ^2/NDF : 138771.5/12

Left: 1373.018+/-0.213 χ^2/NDF : 275021.7/26

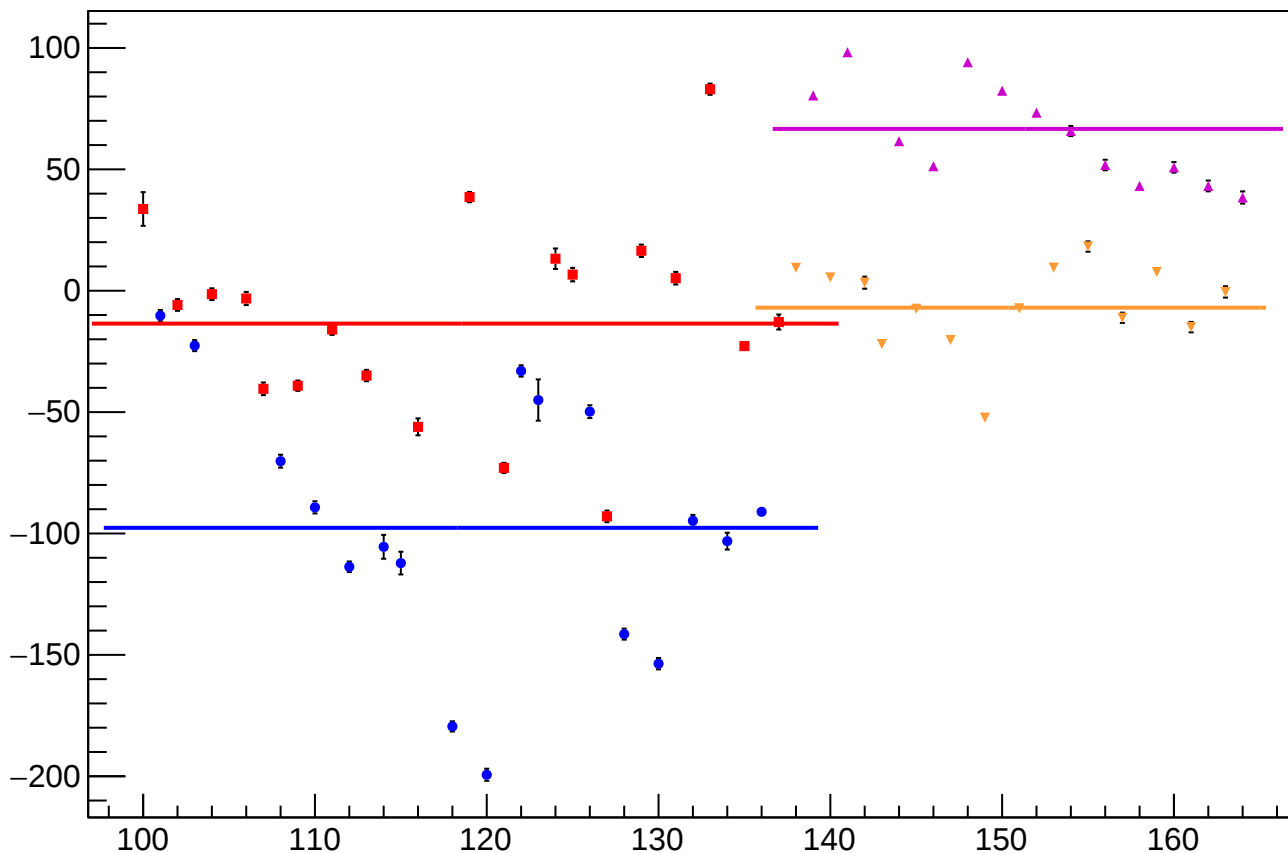
Right: 1221.195+/-0.232 χ^2/NDF : 66520.6/35

In: 1305.013+/-0.225 χ^2/NDF : 284226.2/29

Out: 1301.840+/-0.220 χ^2/NDF : 289128.9/32

All: 1303.393+/-0.157 χ^2/NDF : 573457.0/62

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.657 $\pm$ 0.601 χ^2 /NDF: 7936.6/16

Left Out: -6.968 $\pm$ 0.532 χ^2 /NDF: 1150.8/13

Right Out: -13.538 $\pm$ 0.579 χ^2 /NDF: 5128.2/18

Left In: 66.656 $\pm$ 0.542 χ^2 /NDF: 1219.6/12

Left: 29.142 $\pm$ 0.380 χ^2 /NDF: 11761.8/26

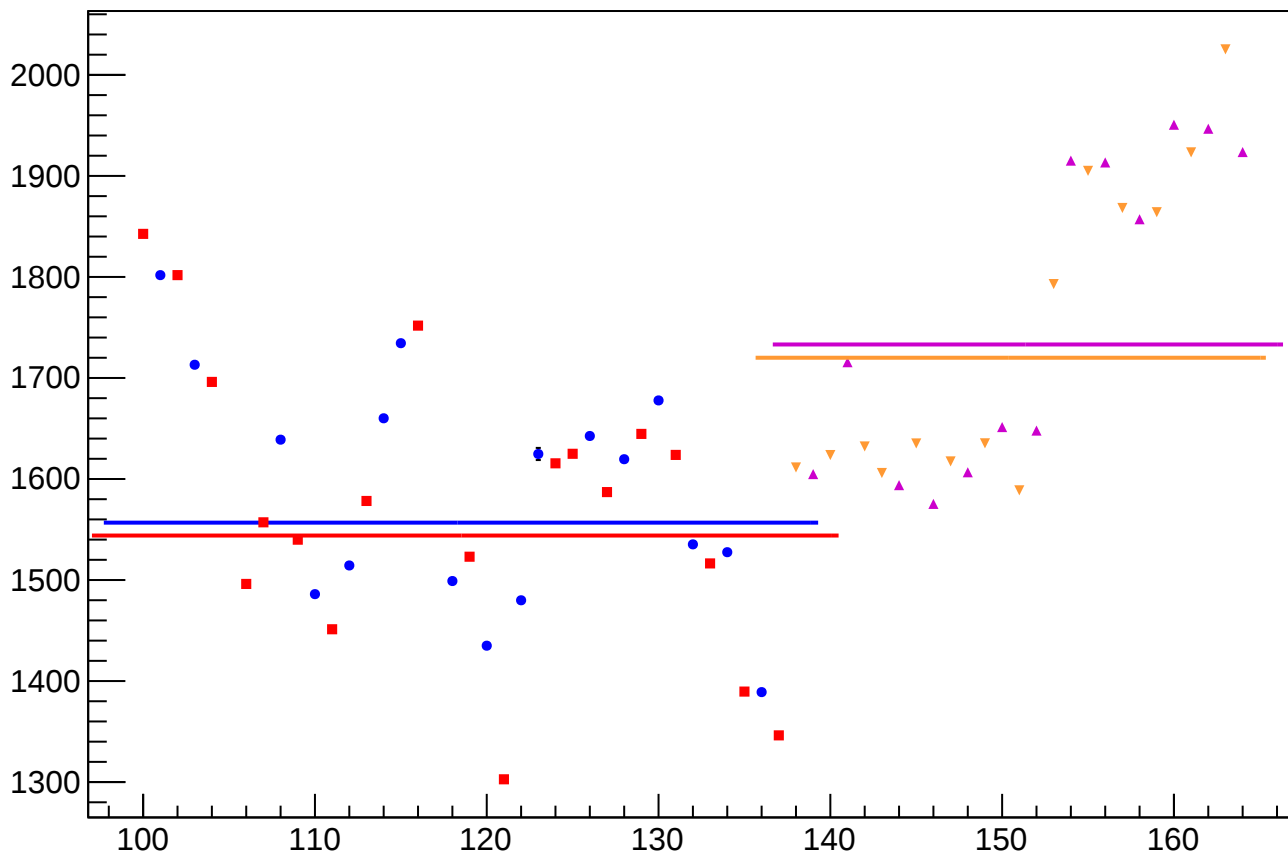
Right: -54.035 $\pm$ 0.417 χ^2 /NDF: 23213.1/35

In: -7.044 $\pm$ 0.403 χ^2 /NDF: 50333.3/29

Out: -9.974 $\pm$ 0.392 χ^2 /NDF: 6348.8/32

All: -8.549 $\pm$ 0.281 χ^2 /NDF: 56709.3/62

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: 1733.157 $\pm$ 0.383 χ^2 /NDF:143185.7/12

Left: 1726.467 $\pm$ 0.269 χ^2 /NDF: 279983.5/26

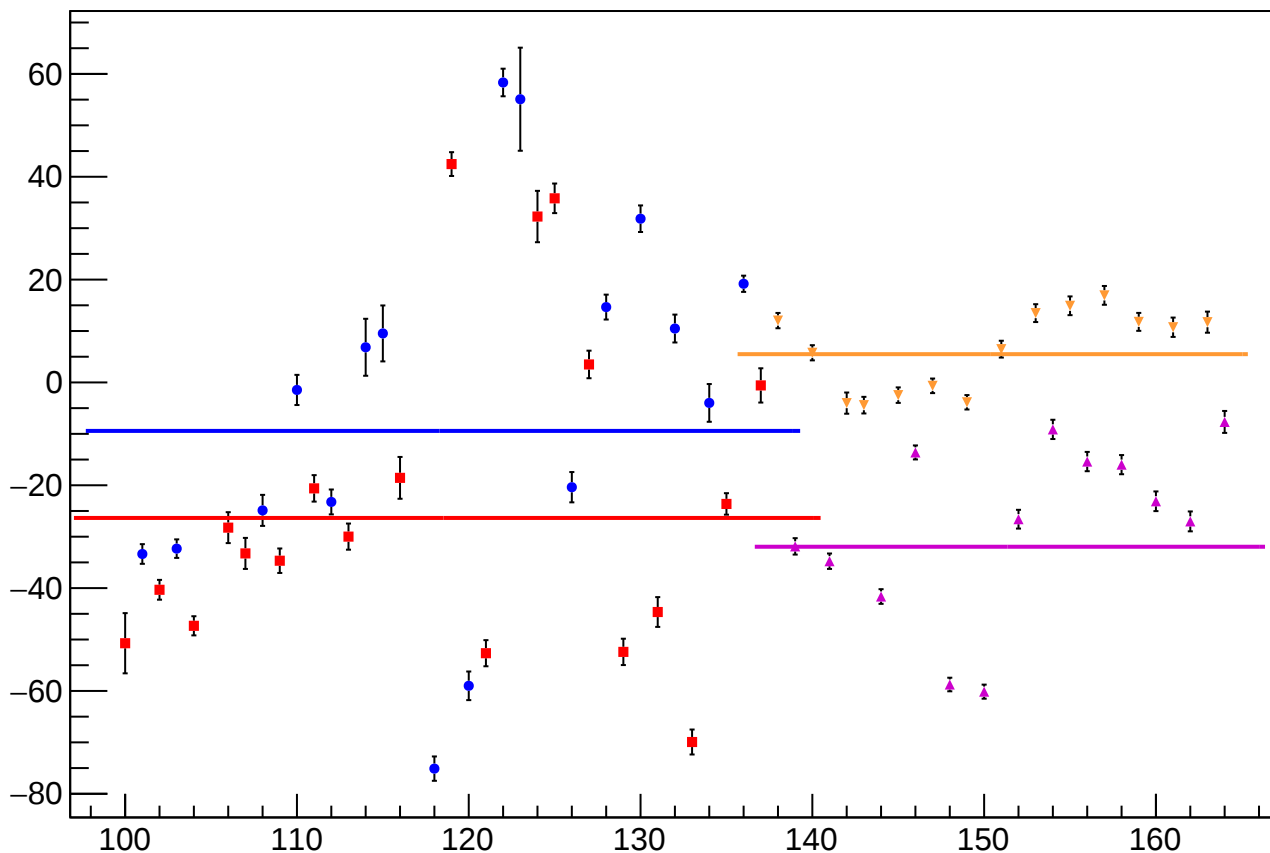
Right: 1550.179 $\pm$ 0.295 χ^2 /NDF: 182518.3/35

In: 1654.055 $\pm$ 0.285 χ^2 /NDF:319605.1/29

Out: 1639.509 $\pm$ 0.277 χ^2 /NDF:336817.1/32

All: 1646.584 $\pm$ 0.199 χ^2 /NDF: 657762.4/62

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Left: -12.780 ± 0.316 $\chi^2/\text{NDF}: 5329.6/26$

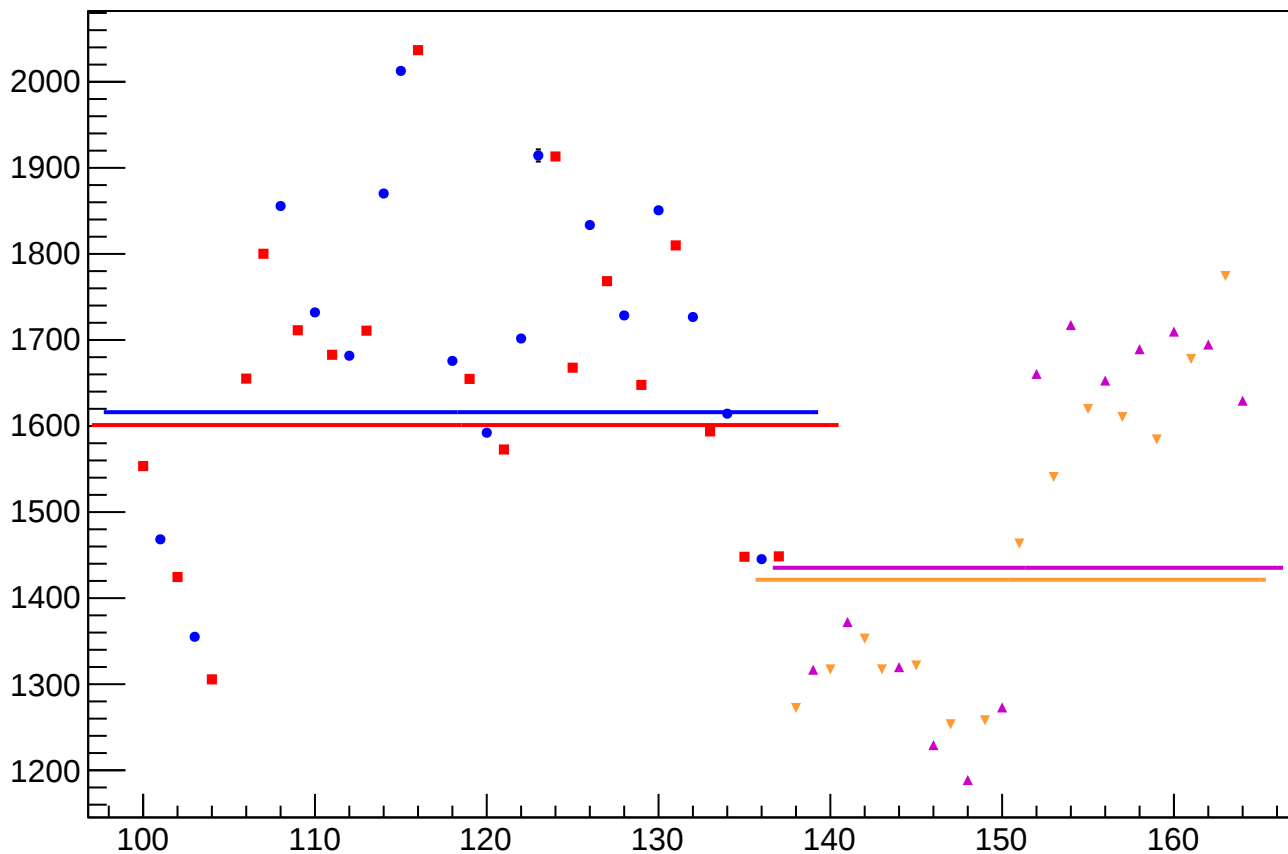
Right: -18.216 ± 0.434 $\chi^2/\text{NDF}: 5775.3/35$

In: -24.237 ± 0.367 $\chi^2/\text{NDF}: 5305.2/29$

Out: -5.623 ± 0.356 $\chi^2/\text{NDF}: 4576.2/32$

All: -14.661 ± 0.255 $\chi^2/\text{NDF}: 11207.4/62$

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: 1435.284 $\pm$ 0.320 χ^2 /NDF: 404651.6/12

Left: 1428.188 $\pm$ 0.223 χ^2 /NDF: 679852.8/26

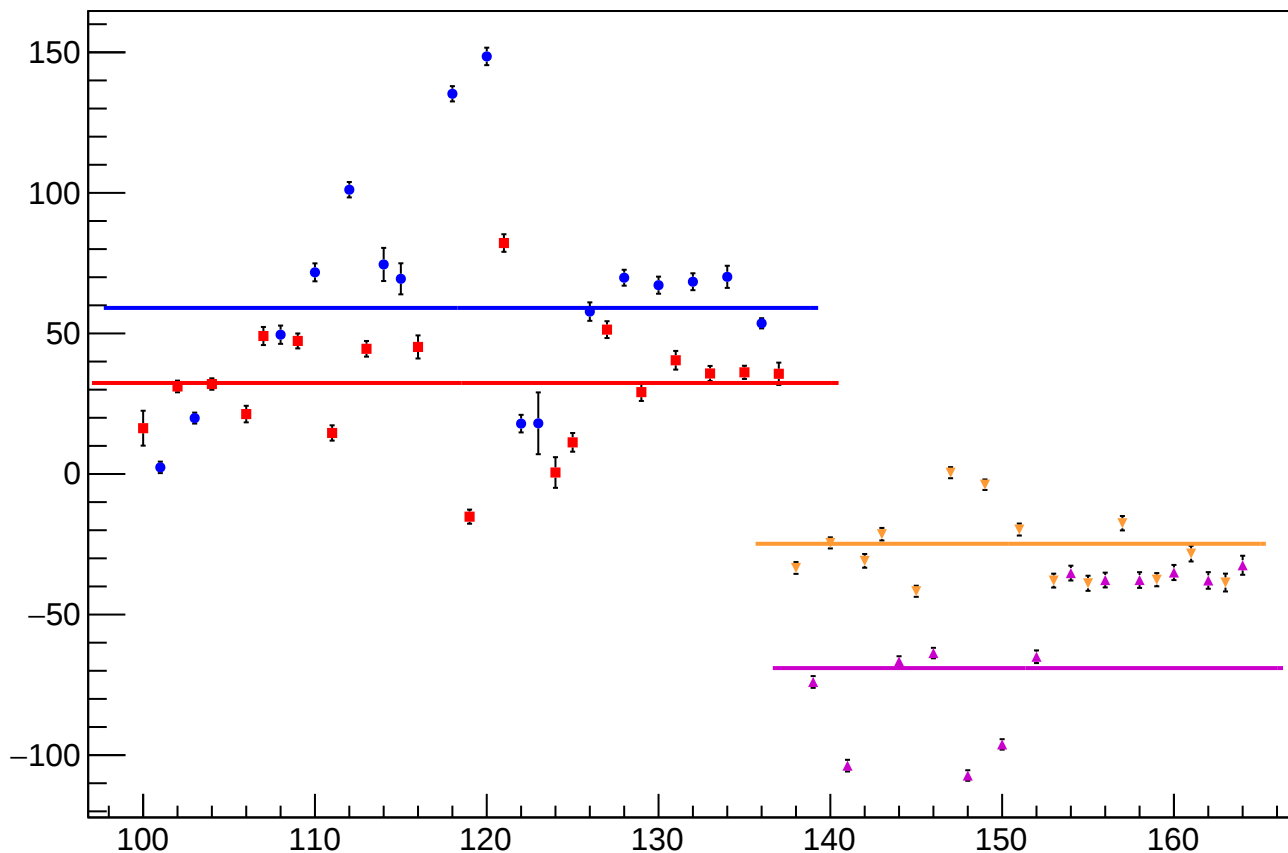
Right: 1608.326 $\pm$ 0.307 χ^2 /NDF: 303840.0/35

In: 1497.224 $\pm$ 0.259 χ^2 /NDF: 663780.4/29

Out: 1484.171 $\pm$ 0.252 χ^2 /NDF: 543586.3/32

All: 1490.509 $\pm$ 0.181 χ^2 /NDF: 1208670.7/62

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: -69.037 ± 0.624 χ^2/NDF : 1743.8/12

Left: -46.224 ± 0.434 χ^2/NDF : 4840.7/26

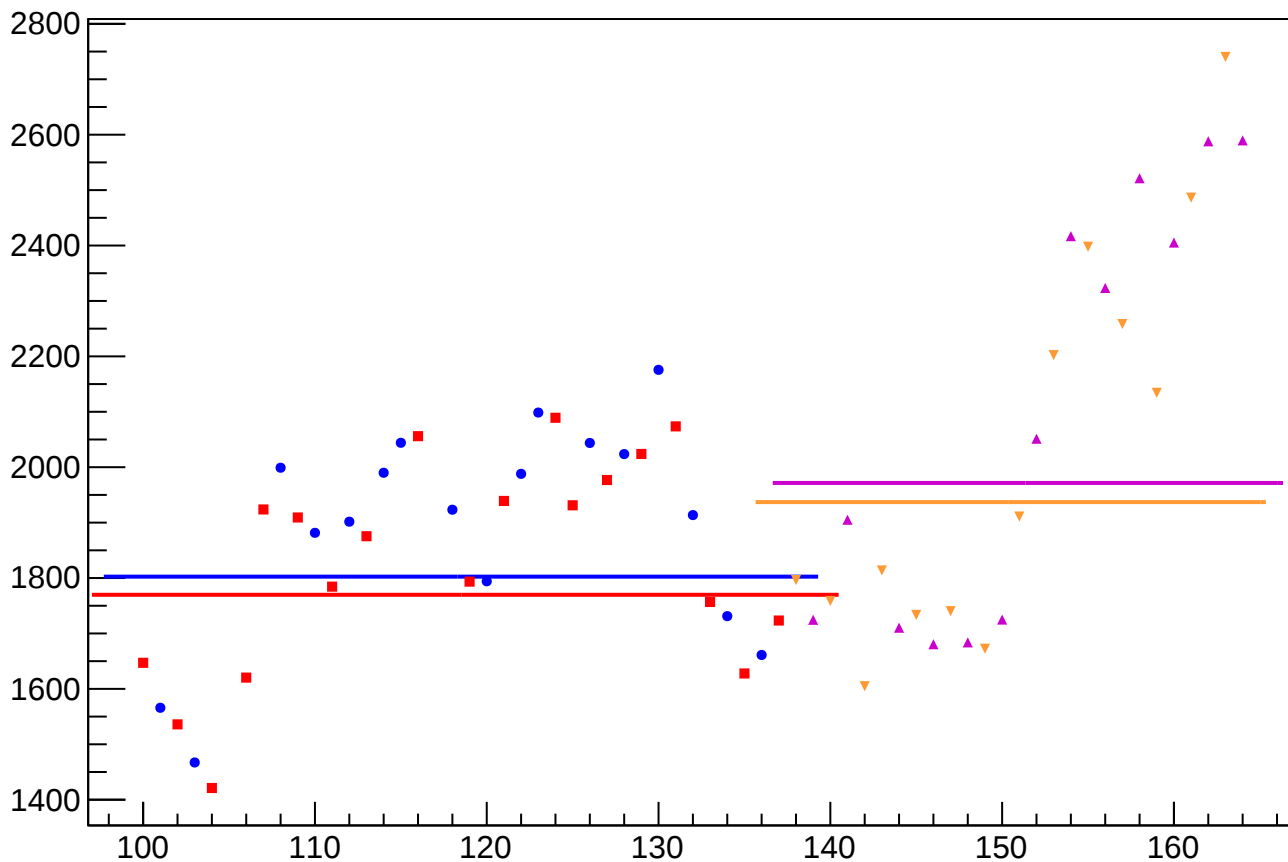
Right: 45.088 ± 0.483 χ^2/NDF : 4948.8/35

In: -12.226 ± 0.466 χ^2/NDF : 23710.7/29

Out: 1.011 ± 0.448 χ^2/NDF : 5440.1/32

All: -5.348 ± 0.323 χ^2/NDF : 29570.4/62

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1802.524 $\pm$ 0.495 χ^2 /NDF: 184069.0/16

Left Out: 1937.055 $\pm$ 0.428 χ^2 /NDF: 483027.6/13

Right Out: 1769.772 $\pm$ 0.471 χ^2 /NDF: 177893.4/18

Left In: 1971.589 $\pm$ 0.441 χ^2 /NDF: 579239.7/12

Left: 1953.772 $\pm$ 0.307 χ^2 /NDF: 1065424.3/26

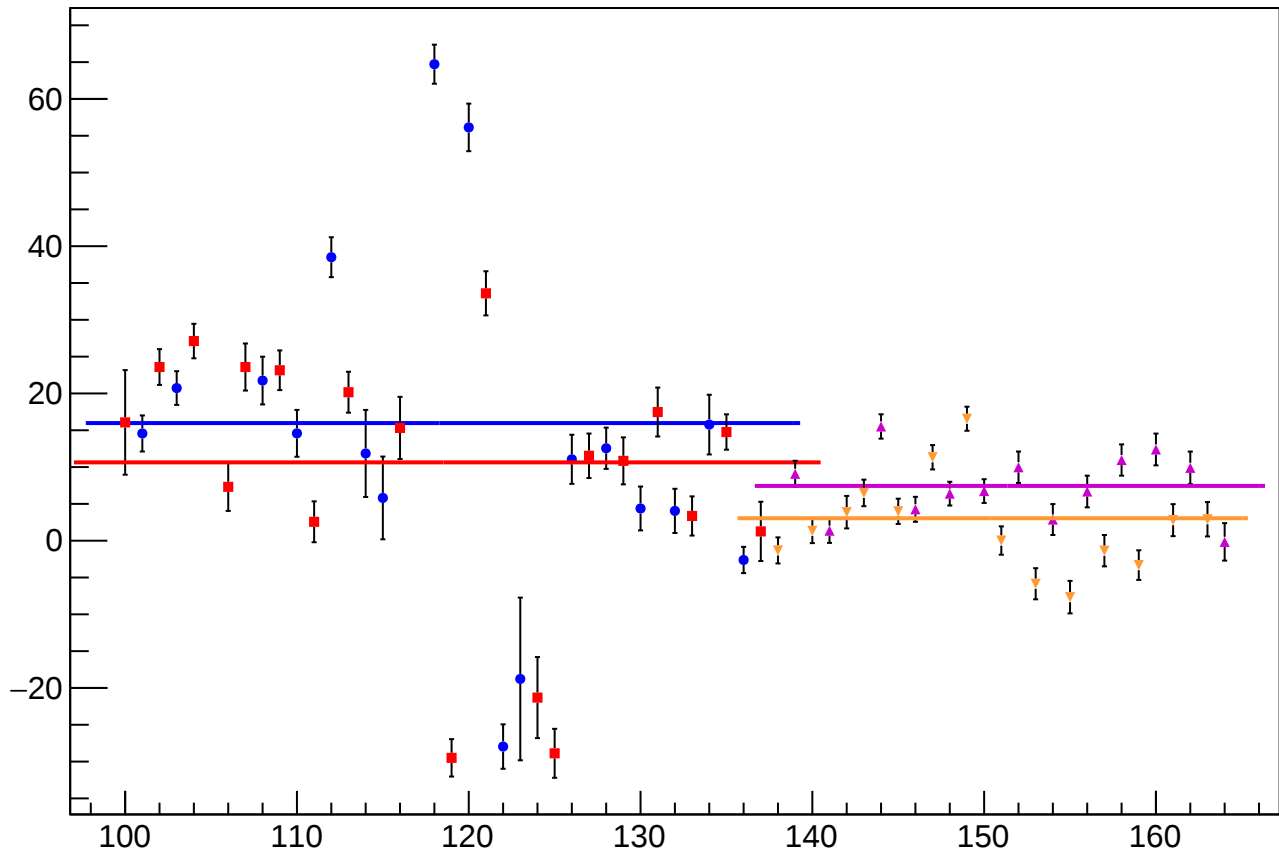
Right: 1785.358 $\pm$ 0.341 χ^2 /NDF: 364260.7/35

In: 1896.621 $\pm$ 0.329 χ^2 /NDF: 828341.8/29

Out: 1861.517 $\pm$ 0.317 χ^2 /NDF: 730021.5/32

All: 1878.381 $\pm$ 0.228 χ^2 /NDF: 1564266.3/62

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: 7.441 ± 0.525 χ^2/NDF : 66.7/12

Left: 5.183 ± 0.366 χ^2/NDF : 265.3/26

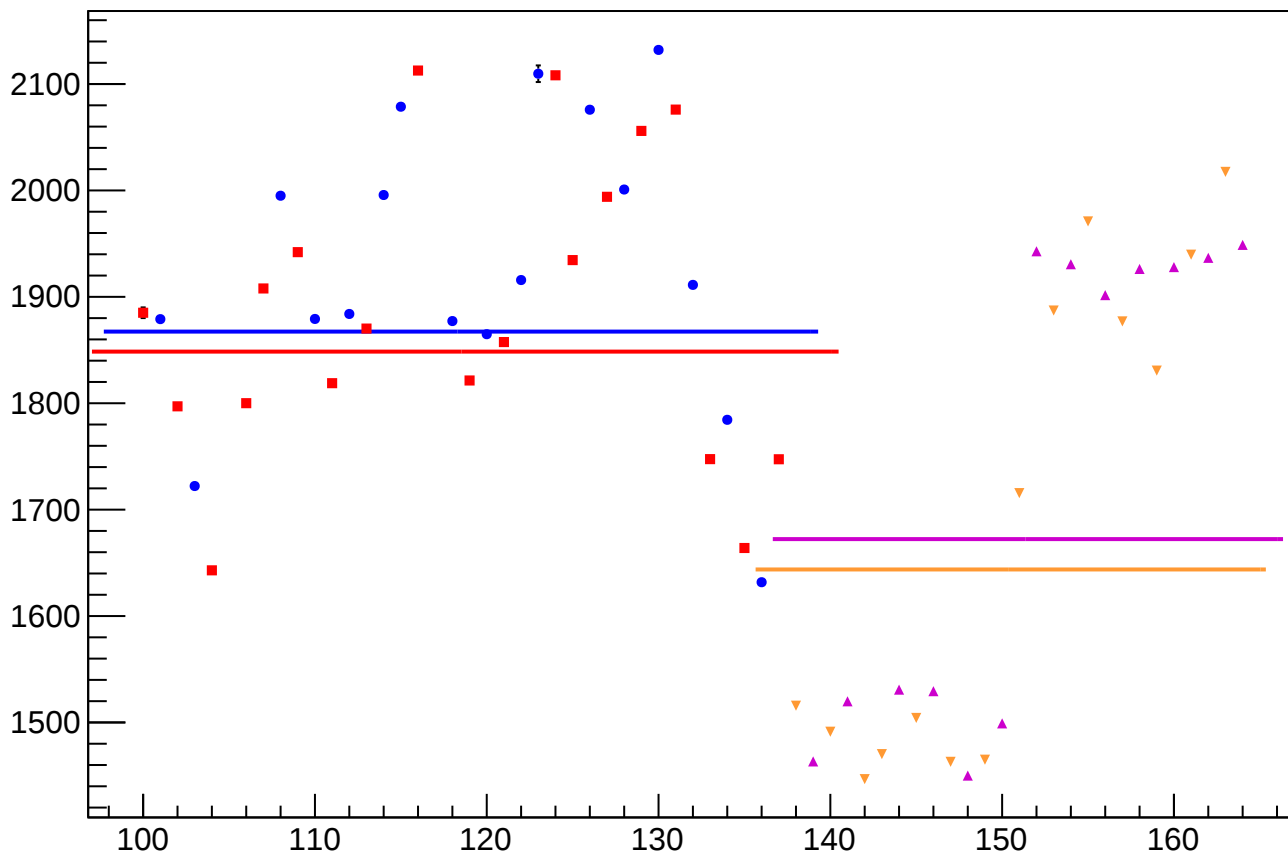
Right: 13.200 ± 0.500 χ^2/NDF : 1608.9/35

In: 10.398 ± 0.425 χ^2/NDF : 1096.5/29

Out: 5.719 ± 0.411 χ^2/NDF : 882.5/32

All: 7.983 ± 0.295 χ^2/NDF : 2041.6/62

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1867.343 $\pm$ 0.510 χ^2/NDF : 80926.4/16

Left Out: 1643.780 $\pm$ 0.361 χ^2/NDF : 325524.6/13

Right Out: 1848.532 $\pm$ 0.490 χ^2/NDF : 72527.3/18

Left In: 1672.317 $\pm$ 0.372 χ^2/NDF : 328611.8/12

Left: 1657.647 $\pm$ 0.259 χ^2/NDF : 657169.7/26

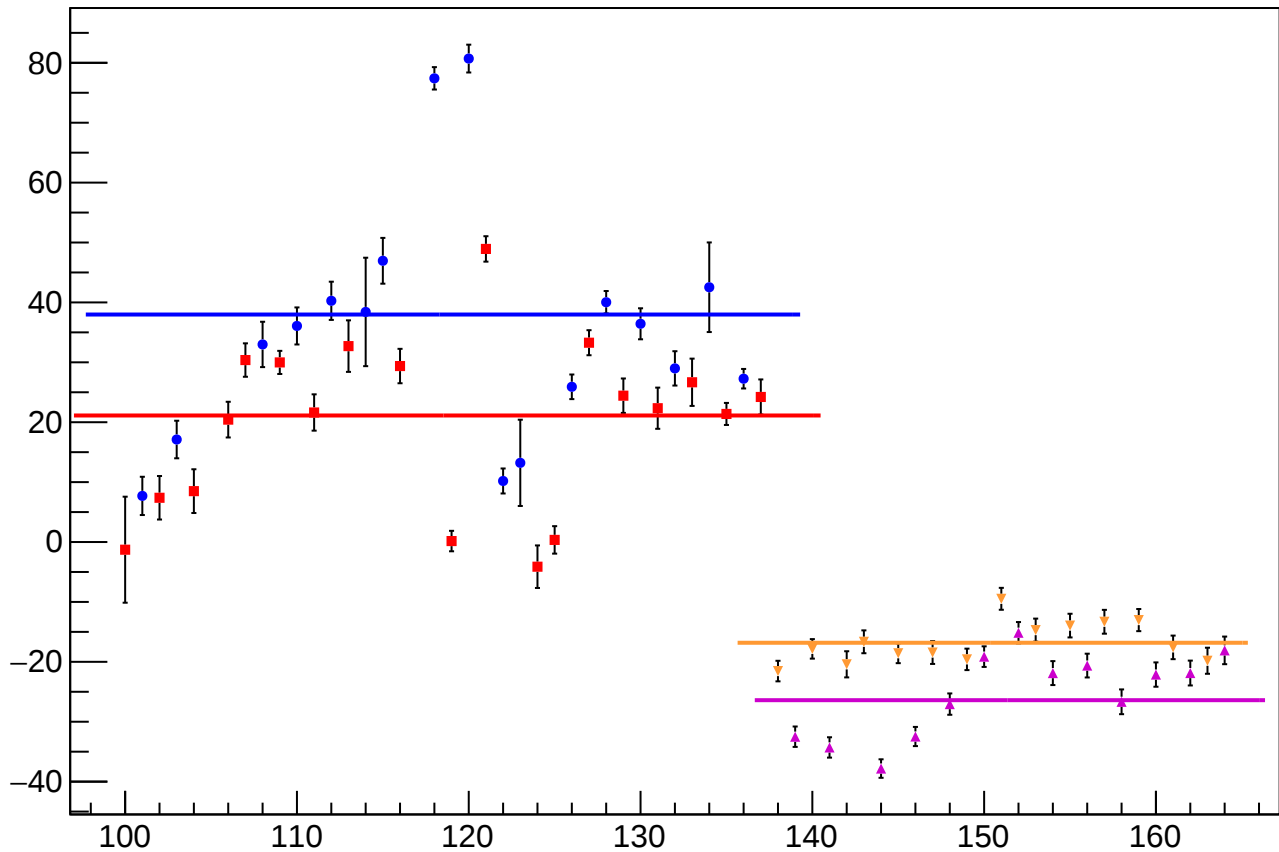
Right: 1857.561 $\pm$ 0.354 χ^2/NDF : 154160.4/35

In: 1739.884 $\pm$ 0.300 χ^2/NDF : 505008.9/29

Out: 1715.816 $\pm$ 0.291 χ^2/NDF : 511105.2/32

All: 1727.461 $\pm$ 0.209 χ^2/NDF : 1019428.6/62

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.979 ± 0.637 χ^2/NDF : 1204.3/16

Left Out: -16.817 ± 0.500 χ^2/NDF : 43.7/13

Right Out: 21.124 ± 0.608 χ^2/NDF : 573.6/18

Left In: -26.404 ± 0.508 χ^2/NDF : 197.2/12

Left: -21.535 ± 0.357 χ^2/NDF : 421.6/26

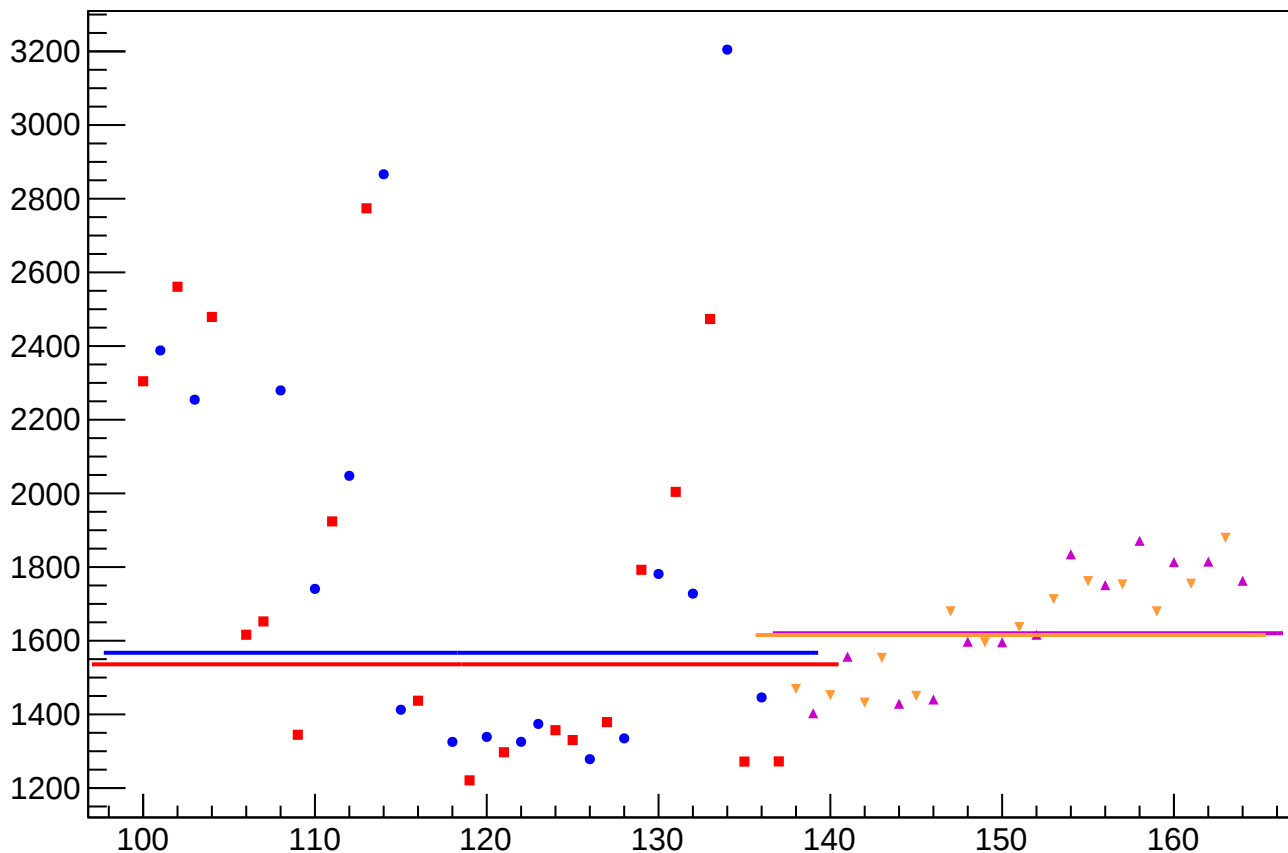
Right: 29.159 ± 0.440 χ^2/NDF : 2143.8/35

In: -1.379 ± 0.397 χ^2/NDF : 7639.1/29

Out: -1.511 ± 0.386 χ^2/NDF : 2938.0/32

All: -1.447 ± 0.277 χ^2/NDF : 10577.2/62

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: 1620.404 $\pm$ 0.359 χ^2/NDF : 196542.3/12

Left: 1617.910 $\pm$ 0.252 χ^2/NDF : 337776.9/26

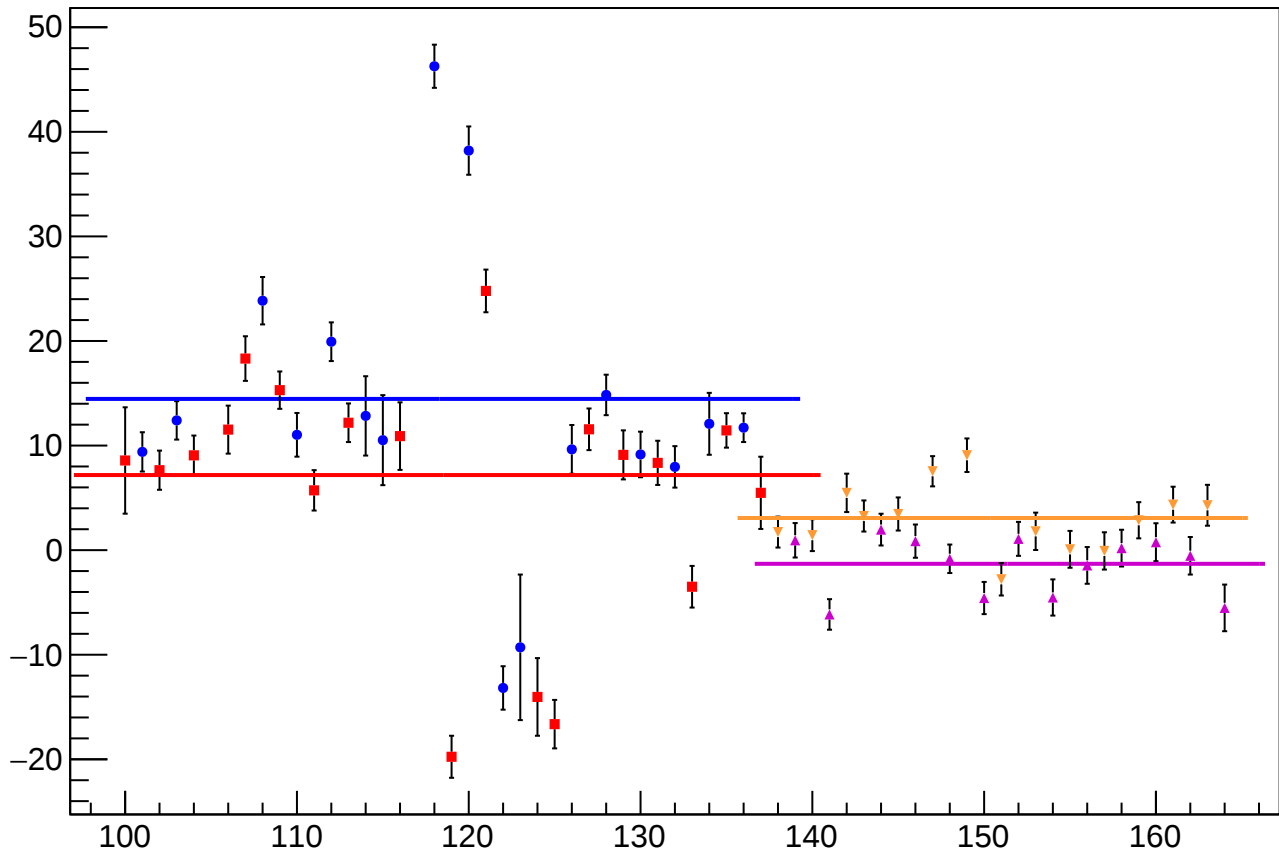
Right: 1550.918 $\pm$ 0.311 χ^2/NDF : 1558082.7/35

In: 1599.774 $\pm$ 0.281 χ^2/NDF : 878471.2/29

Out: 1583.411 $\pm$ 0.273 χ^2/NDF : 1043628.4/32

All: 1591.364 $\pm$ 0.196 χ^2/NDF : 1923842.7/62

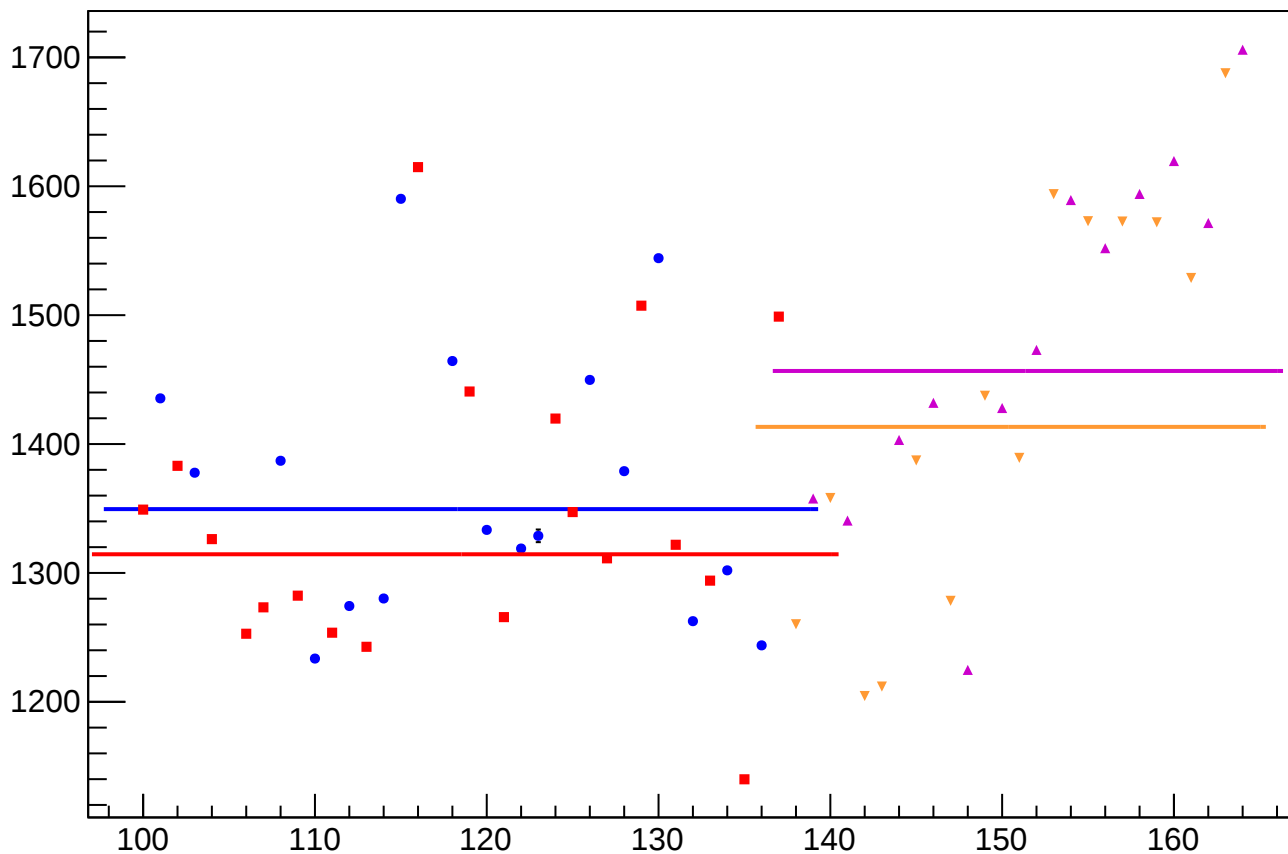
diff_bpm0i07Y_mean vs Slug, Sign Corrected



Left: 0.969 $\pm$ 0.316 χ^2/NDF : 132.4/26
 Right: 10.615 $\pm$ 0.359 χ^2/NDF : 1193.9/35
 In: 5.502 $\pm$ 0.344 χ^2/NDF : 1147.4/29
 Out: 4.881 $\pm$ 0.328 χ^2/NDF : 583.4/32
 All: 5.177 $\pm$ 0.237 χ^2/NDF : 1732.5/62

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: -1.307 $\pm$ 0.456 χ^2/NDF : 35.4/12

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.522 ± 0.370 χ^2/NDF : 64667.6/16

Left Out: 1413.328 ± 0.310 χ^2/NDF : 223613.9/13

Right Out: 1314.485 ± 0.350 χ^2/NDF : 80952.7/18

Left In: 1456.705 ± 0.323 χ^2/NDF : 160932.8/12

Left: 1434.160 ± 0.224 χ^2/NDF : 393948.4/26

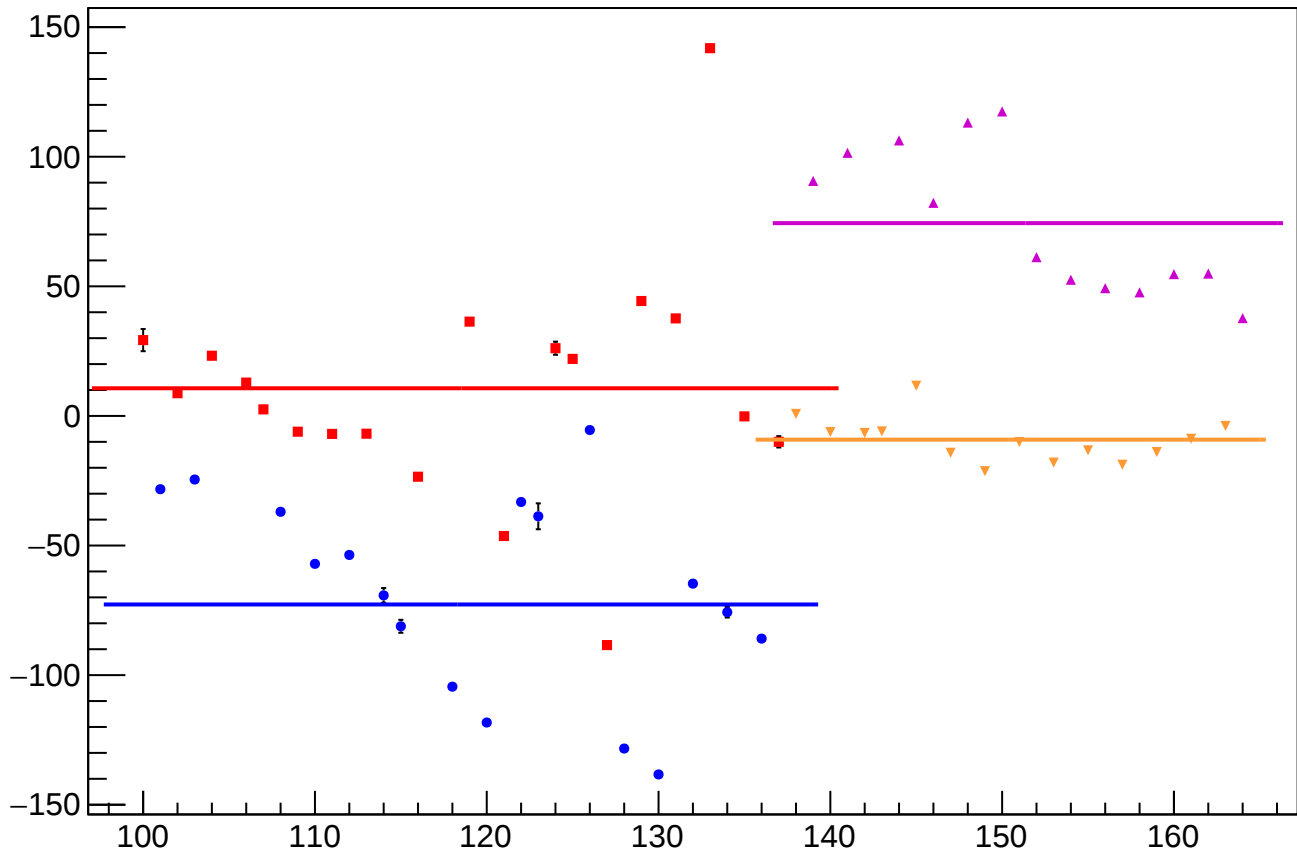
Right: 1331.011 ± 0.254 χ^2/NDF : 150358.7/35

In: 1410.423 ± 0.243 χ^2/NDF : 273291.1/29

Out: 1369.811 ± 0.232 χ^2/NDF : 349318.2/32

All: 1389.163 ± 0.168 χ^2/NDF : 637217.5/62

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.741±/0.362 χ^2 /NDF: 11690.4/16

Left Out: -9.151±/0.291 χ^2 /NDF:826.6/13

Right Out: 10.671±/0.352 χ^2 /NDF: 18171.0/18

Left In: 74.381±/0.298 χ^2 /NDF:7821.8/12

Left: 31.655±/0.208 χ^2 /NDF: 48829.8/26

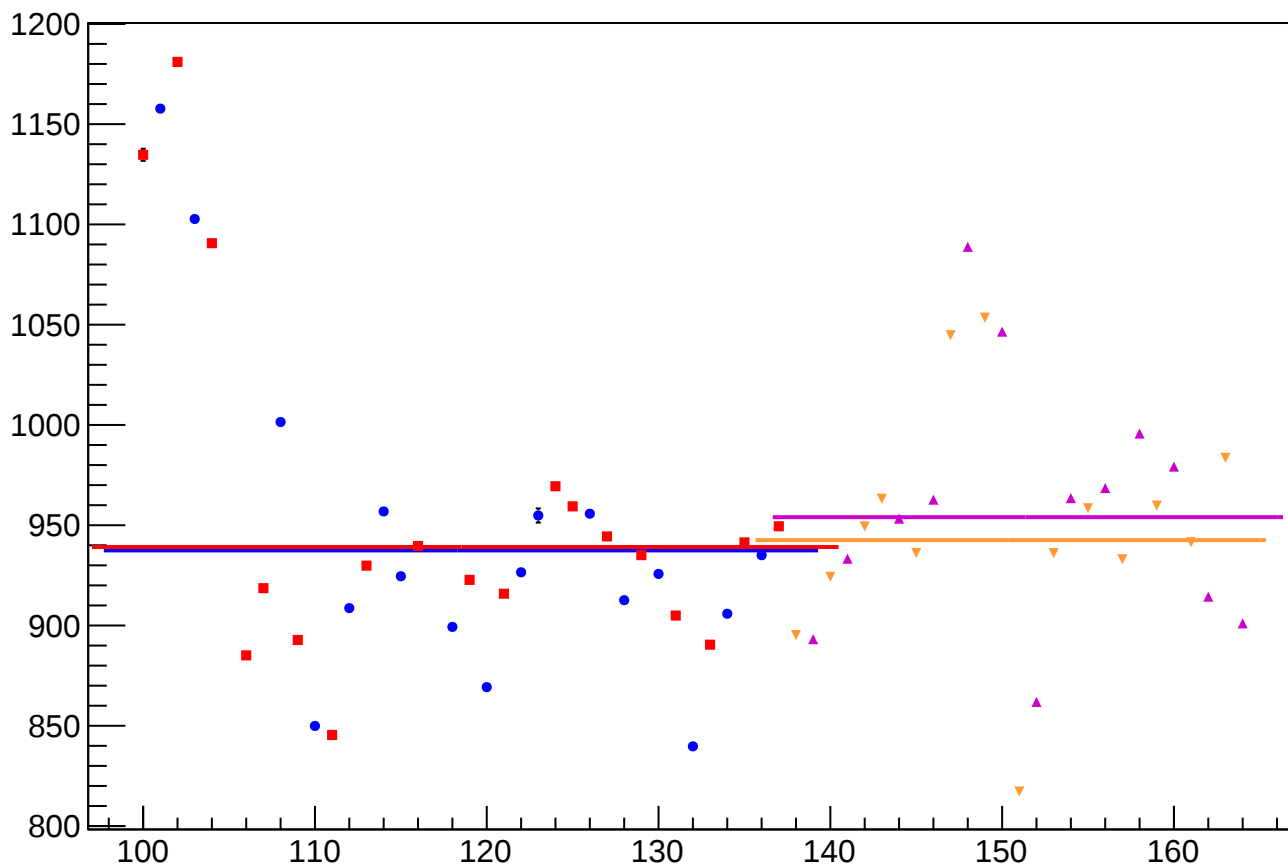
Right: -29.865±/0.253 χ^2 /NDF: 57099.2/35

In: 15.016±/0.230 χ^2 /NDF:117843.6/29

Out: -1.104±/0.224 χ^2 /NDF:20877.7/32

All: 6.754±/0.161 χ^2 /NDF: 141235.2/62

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.454 ± 0.256 $\chi^2/\text{NDF}: 98307.6/16$

Left Out: 942.574 ± 0.206 $\chi^2/\text{NDF}: 79864.8/13$

Right Out: 939.140 ± 0.249 $\chi^2/\text{NDF}: 90253.2/18$

Left In: 954.019 ± 0.211 $\chi^2/\text{NDF}: 75798.7/12$

Left: 948.165 ± 0.147 $\chi^2/\text{NDF}: 157172.1/26$

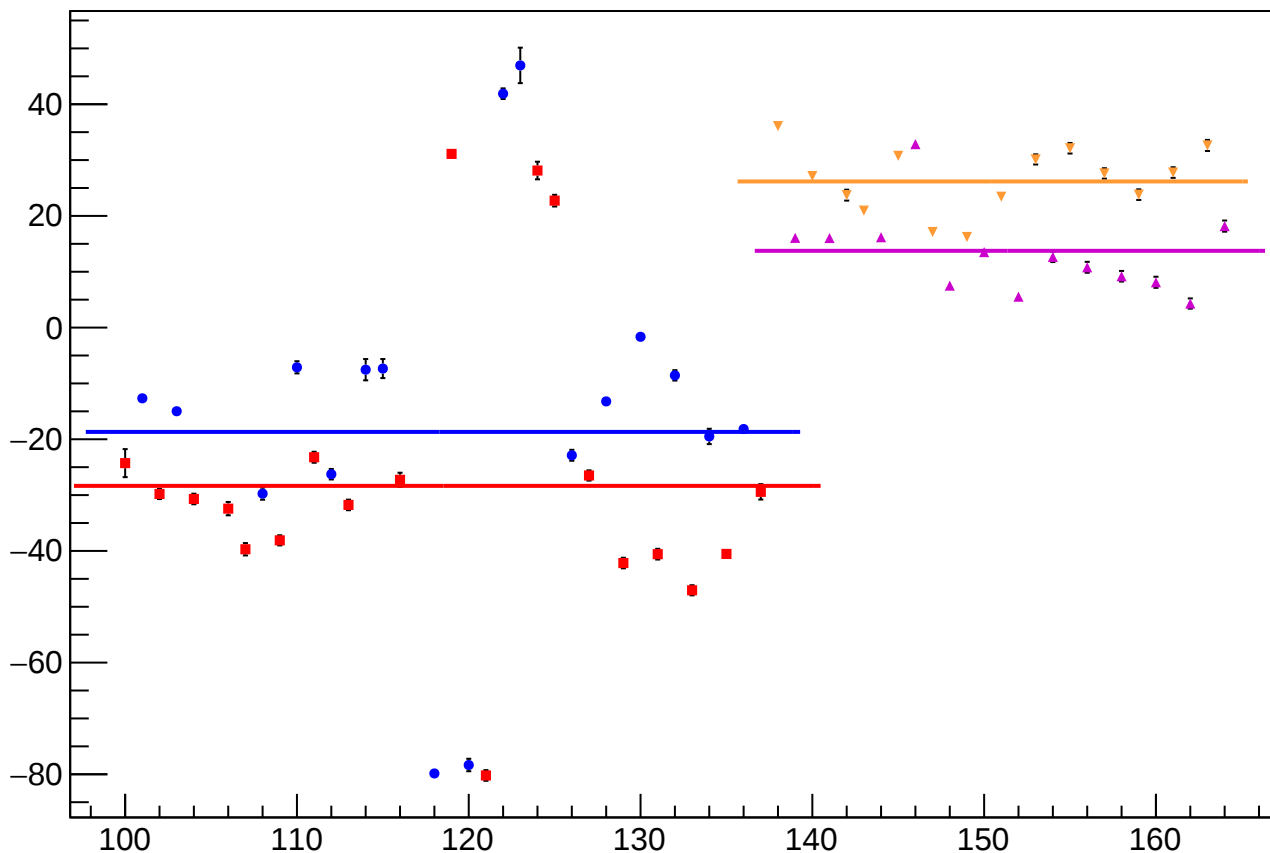
Right: 938.320 ± 0.179 $\chi^2/\text{NDF}: 188583.1/35$

In: 947.335 ± 0.163 $\chi^2/\text{NDF}: 176599.7/29$

Out: 941.180 ± 0.159 $\chi^2/\text{NDF}: 170230.9/32$

All: 944.180 ± 0.114 $\chi^2/\text{NDF}: 347563.5/62$

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -18.683 ± 0.243 χ^2/NDF : 13006.2/16

Left Out: 26.171 ± 0.223 χ^2/NDF : 692.8/13

Right Out: -28.347 ± 0.235 χ^2/NDF : 12508.1/18

Left In: 13.746 ± 0.230 χ^2/NDF : 1031.4/12

Left: 20.147 ± 0.160 χ^2/NDF : 3232.2/26

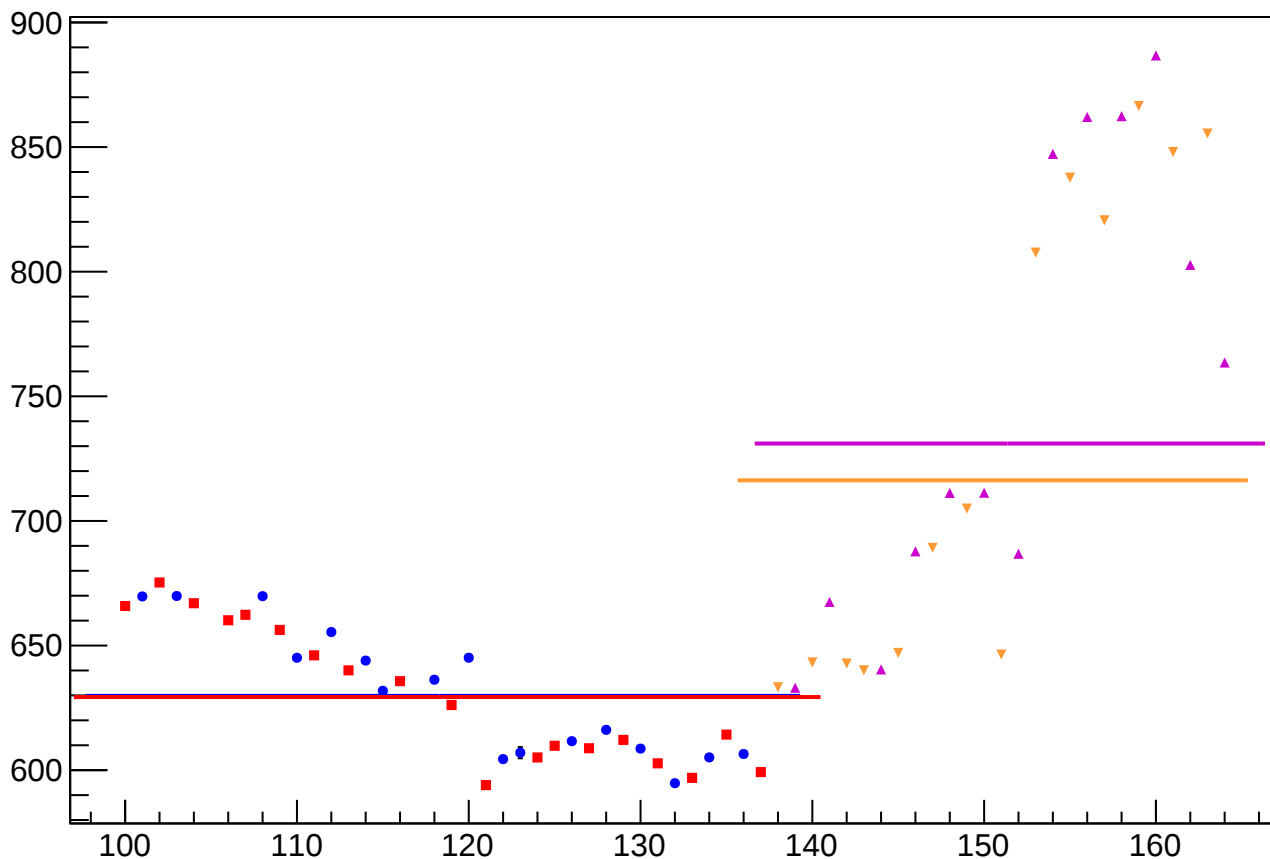
Right: -23.660 ± 0.169 χ^2/NDF : 26331.1/35

In: -1.575 ± 0.167 χ^2/NDF : 23459.8/29

Out: 0.419 ± 0.162 χ^2/NDF : 41487.9/32

All: -0.548 ± 0.116 χ^2/NDF : 65021.4/62

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: 731.055 $\pm$ 0.162 χ^2 /NDF: 266952.3/12

Left: 723.452 $\pm$ 0.113 χ^2 /NDF: 591944.7/26

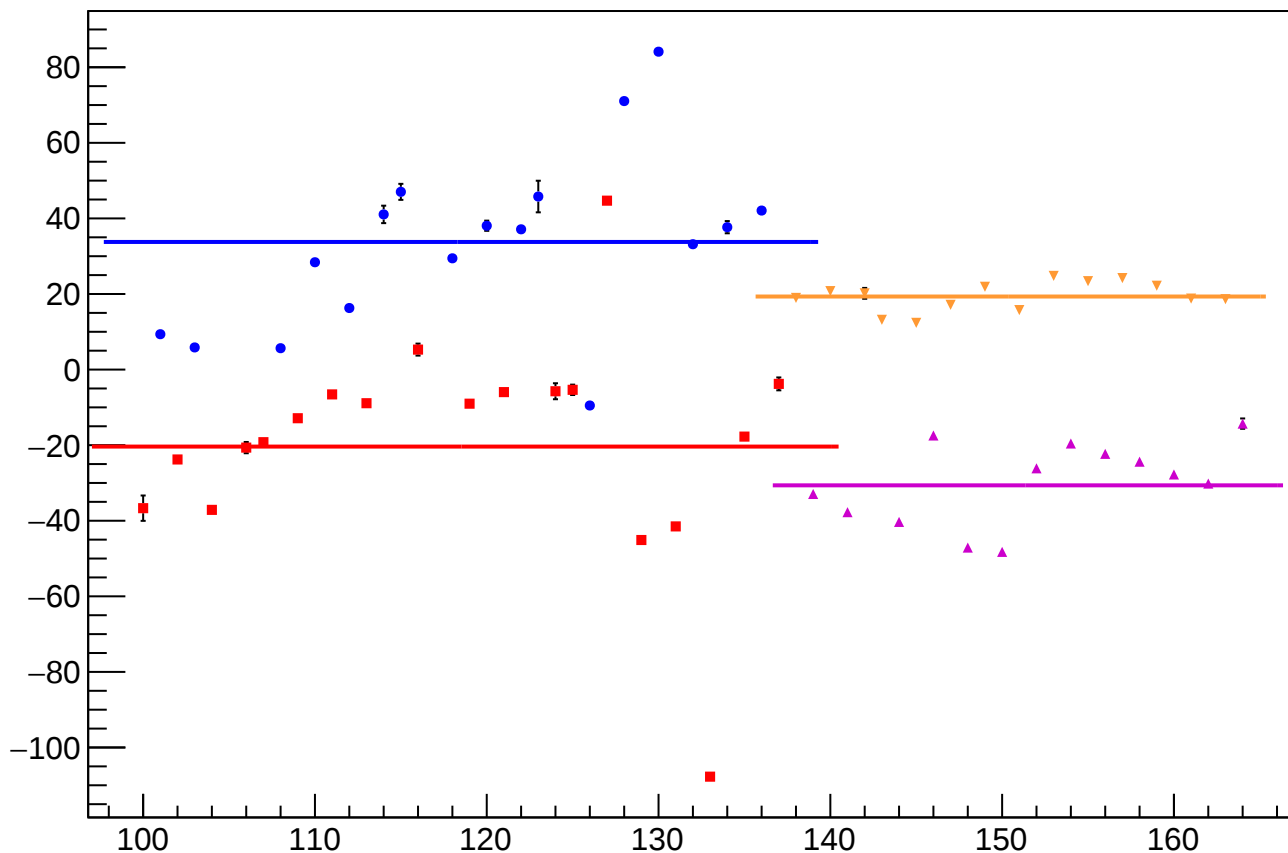
Right: 629.570 $\pm$ 0.119 χ^2 /NDF: 48840.7/35

In: 683.225 $\pm$ 0.118 χ^2 /NDF: 473910.9/29

Out: 675.221 $\pm$ 0.114 χ^2 /NDF: 490199.3/32

All: 679.102 $\pm$ 0.082 χ^2 /NDF: 966482.4/62

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: -30.631+/-0.323 χ^2/NDF :1037.0/12

Left: -5.257+/-0.227 χ^2/NDF : 13297.7/26

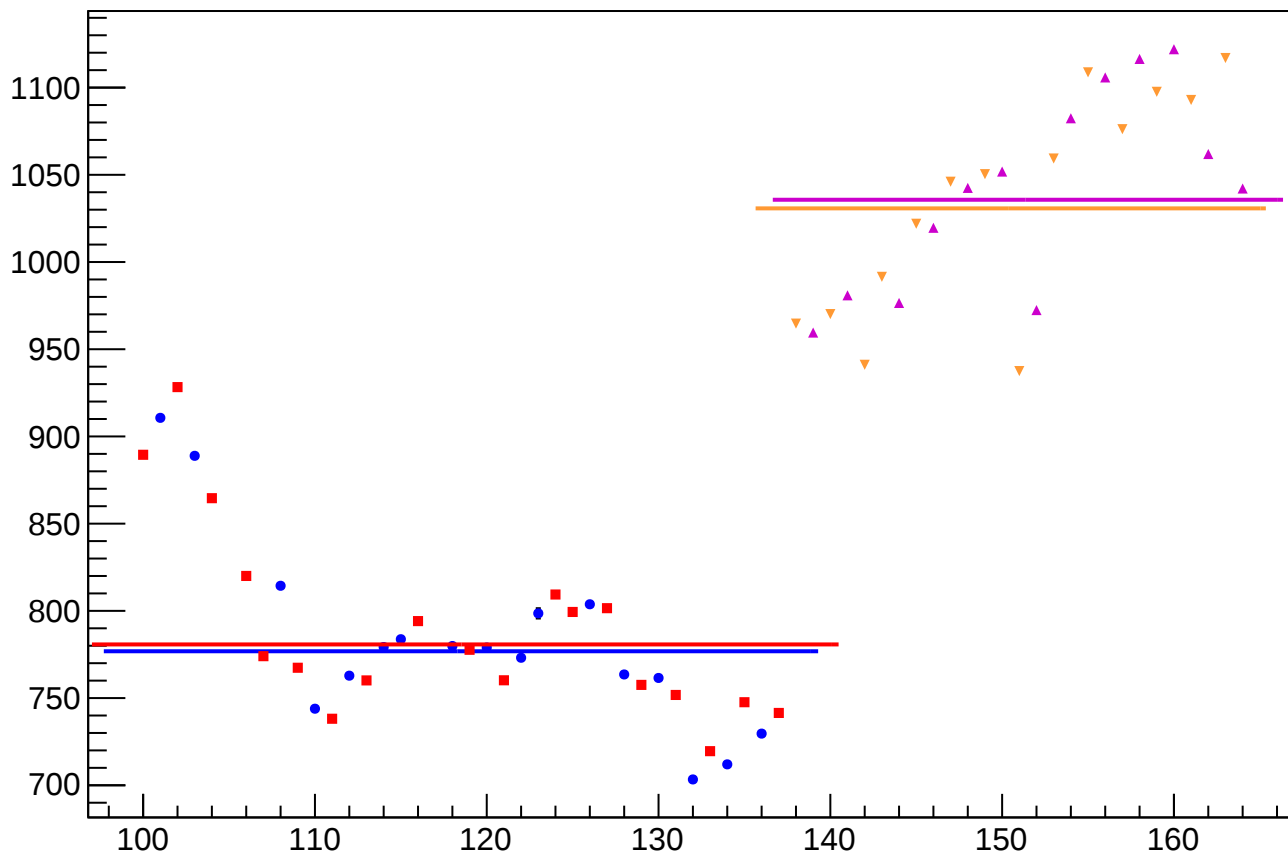
Right: 6.025+/-0.209 χ^2/NDF : 34481.3/35

In: 3.994+/-0.220 χ^2/NDF :28849.5/29

Out: -2.196+/-0.215 χ^2/NDF :19860.6/32

All: 0.835+/-0.154 χ^2/NDF : 49114.5/62

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: 1035.700 $\pm$ 0.229 χ^2/NDF : 56421.0/12

Left: 1033.189 $\pm$ 0.160 χ^2/NDF : 128522.4/26

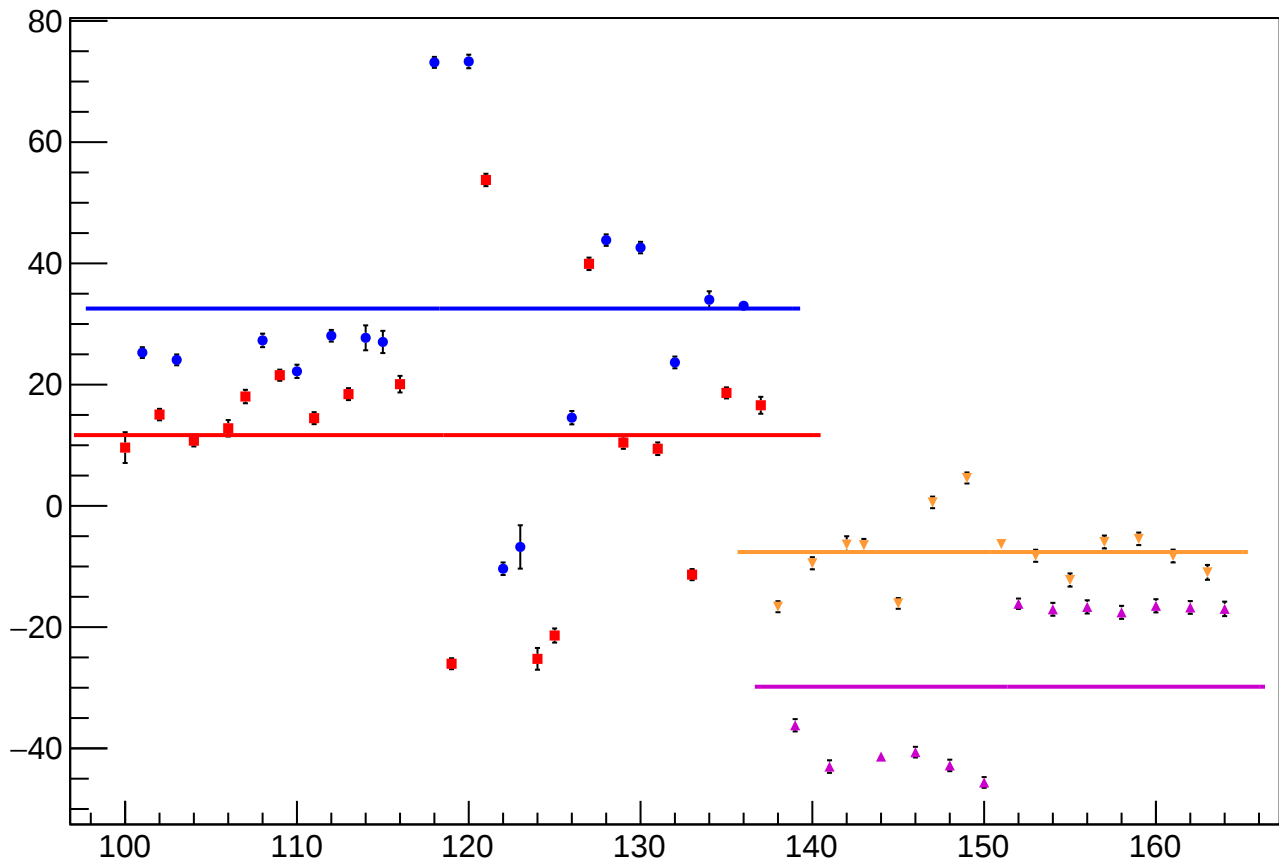
Right: 778.845 $\pm$ 0.148 χ^2/NDF : 125090.9/35

In: 896.529 $\pm$ 0.155 χ^2/NDF : 812916.3/29

Out: 895.207 $\pm$ 0.152 χ^2/NDF : 798063.9/32

All: 895.855 $\pm$ 0.109 χ^2/NDF : 1611017.2/62

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.552 $\pm$ 0.253 χ^2 /NDF: 6073.0/16

Left Out: -7.613 $\pm$ 0.268 χ^2 /NDF: 484.0/13

Right Out: 11.674 $\pm$ 0.247 χ^2 /NDF: 6357.6/18

Left In: -29.830 $\pm$ 0.273 χ^2 /NDF: 2146.7/12

Left: -18.511 $\pm$ 0.191 χ^2 /NDF: 6008.8/26

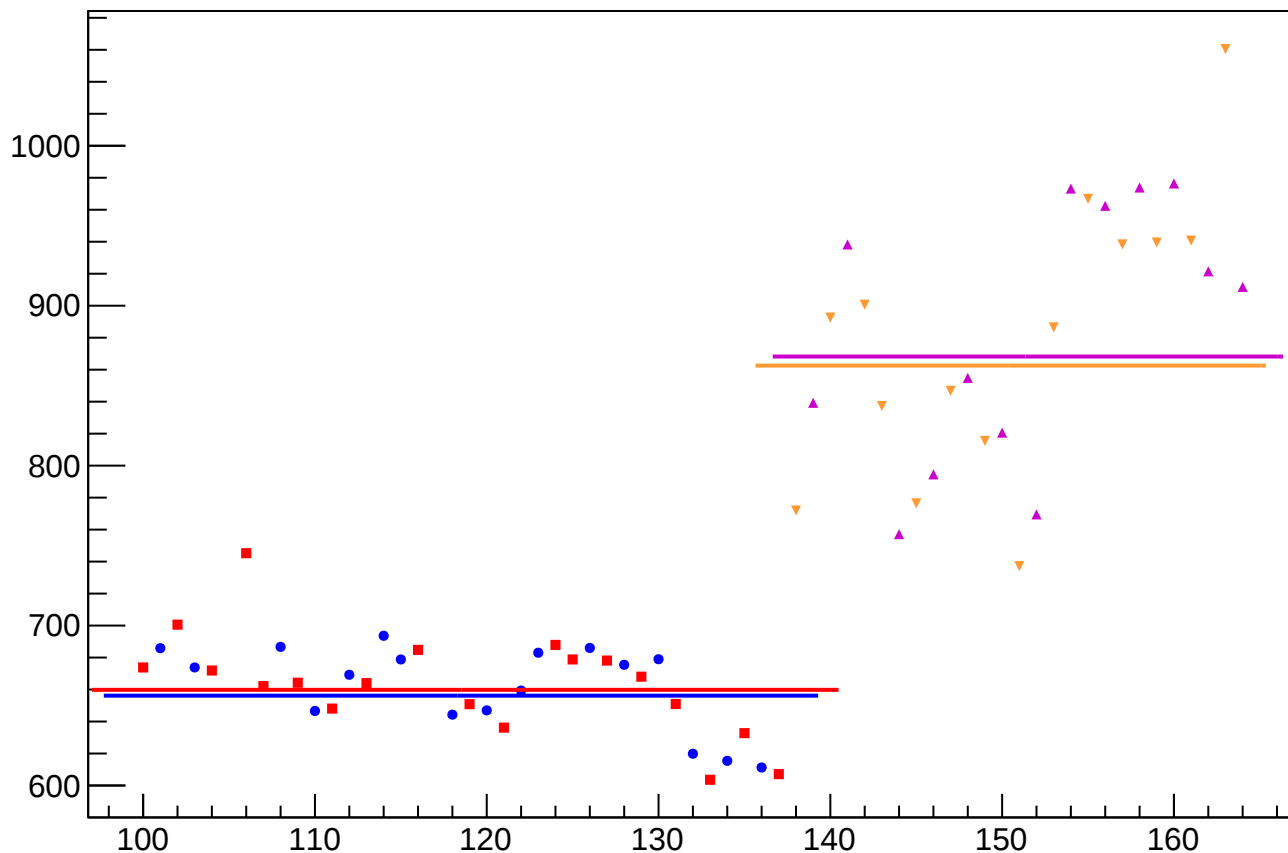
Right: 21.868 $\pm$ 0.177 χ^2 /NDF: 15919.4/35

In: 3.729 $\pm$ 0.185 χ^2 /NDF: 36341.1/29

Out: 2.805 $\pm$ 0.182 χ^2 /NDF: 9645.5/32

All: 3.257 $\pm$ 0.130 χ^2 /NDF: 45999.2/62

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 656.181 ± 0.179 χ^2/NDF : 23569.6/16

Left Out: 862.550 ± 0.189 χ^2/NDF : 199286.9/13

Right Out: 659.813 ± 0.175 χ^2/NDF : 28325.7/18

Left In: 868.208 ± 0.193 χ^2/NDF : 174824.8/12

Left: 865.325 ± 0.135 χ^2/NDF : 374549.8/26

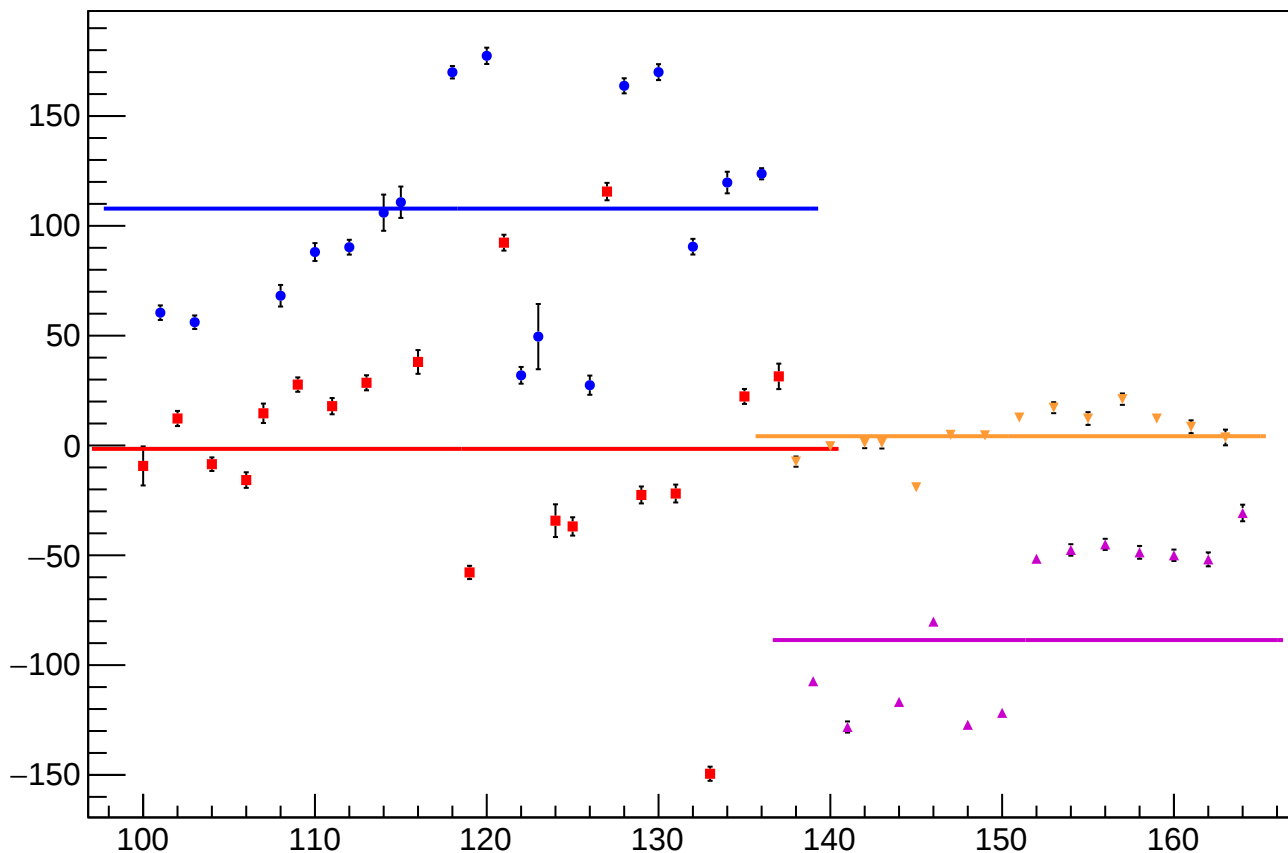
Right: 658.039 ± 0.125 χ^2/NDF : 52106.5/35

In: 754.146 ± 0.131 χ^2/NDF : 848112.5/29

Out: 753.035 ± 0.128 χ^2/NDF : 847226.1/32

All: 753.579 ± 0.092 χ^2/NDF : 1695375.3/62

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.852 ± 0.922 $\chi^2/\text{NDF}: 2809.0/16$

Left Out: 4.216 ± 0.615 $\chi^2/\text{NDF}: 271.5/13$

Right Out: -1.542 ± 0.883 $\chi^2/\text{NDF}: 4523.8/18$

Left In: -88.597 ± 0.626 $\chi^2/\text{NDF}: 2958.3/12$

Left: -41.382 ± 0.439 $\chi^2/\text{NDF}: 14418.2/26$

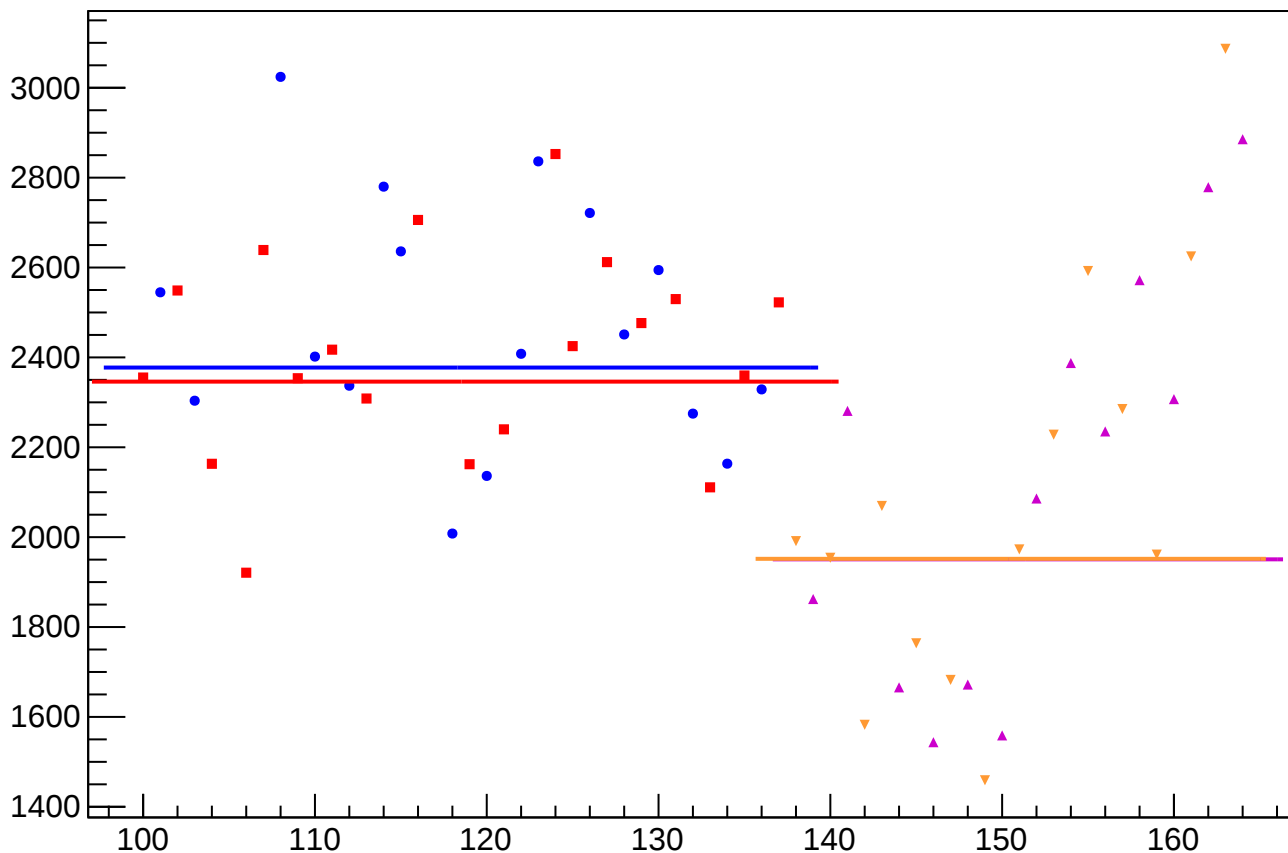
Right: 50.839 ± 0.638 $\chi^2/\text{NDF}: 14676.8/35$

In: -26.591 ± 0.518 $\chi^2/\text{NDF}: 36867.4/29$

Out: 2.336 ± 0.505 $\chi^2/\text{NDF}: 4823.9/32$

All: -11.760 ± 0.361 $\chi^2/\text{NDF}: 43291.8/62$

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: 1950.640+/-0.443 χ^2/NDF : 826448.5/12

Left: 1951.222+/-0.310 χ^2/NDF : 1577418.7/26

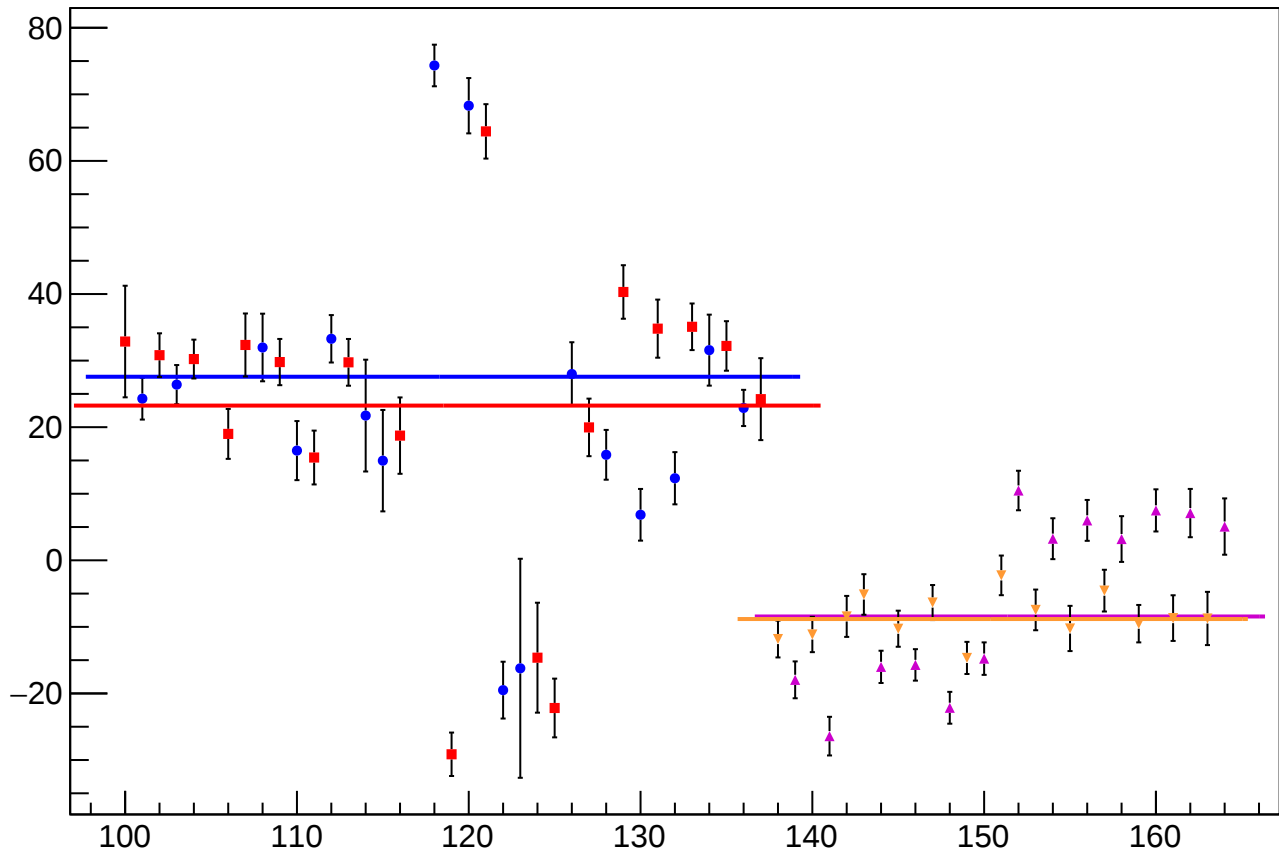
Right: 2361.109+/-0.451 χ^2/NDF : 229108.5/35

In: 2085.348+/-0.366 χ^2/NDF : 1239663.9/29

Out: 2080.537+/-0.357 χ^2/NDF : 1127679.1/32

All: 2082.881+/-0.256 χ^2/NDF : 2367431.5/62

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.577+/-0.975 χ^2/NDF : 519.6/16

Left Out: -8.821+/-0.786 χ^2/NDF : 17.6/13

Right Out: 23.243+/-0.927 χ^2/NDF : 557.9/18

Left In: -8.438+/-0.795 χ^2/NDF : 251.5/12

Left: -8.632+/-0.559 χ^2/NDF : 269.3/26

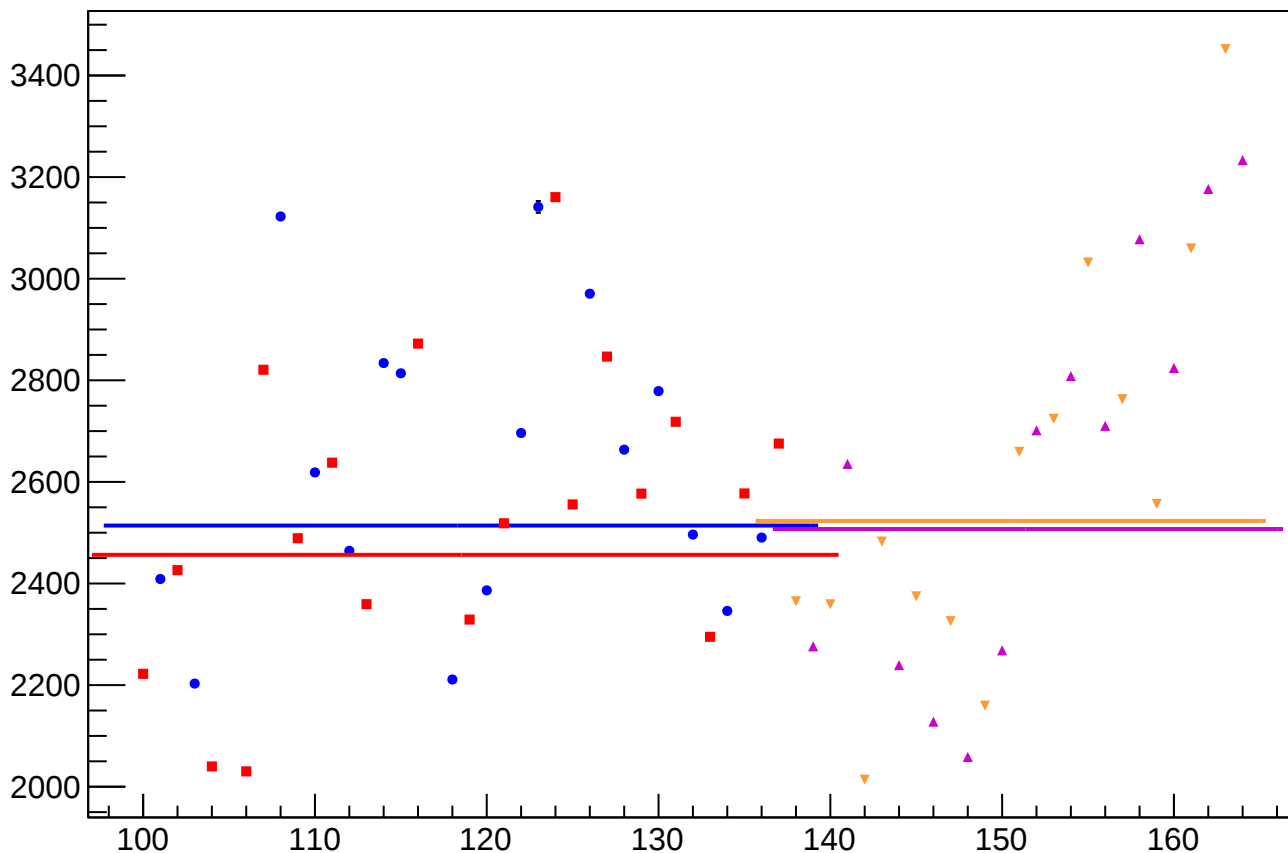
Right: 25.301+/-0.672 χ^2/NDF : 1087.8/35

In: 5.943+/-0.616 χ^2/NDF : 1591.1/29

Out: 4.581+/-0.599 χ^2/NDF : 1271.8/32

All: 5.243+/-0.430 χ^2/NDF : 2865.4/62

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2514.088 $\pm$ 0.689 χ^2/NDF : 120961.3/16

Left Out: 2523.195 $\pm$ 0.555 χ^2/NDF : 358380.1/13

Right Out: 2456.460 $\pm$ 0.655 χ^2/NDF : 149732.7/18

Left In: 2507.226 $\pm$ 0.562 χ^2/NDF : 422005.3/12

Left: 2515.304 $\pm$ 0.395 χ^2/NDF : 780793.9/26

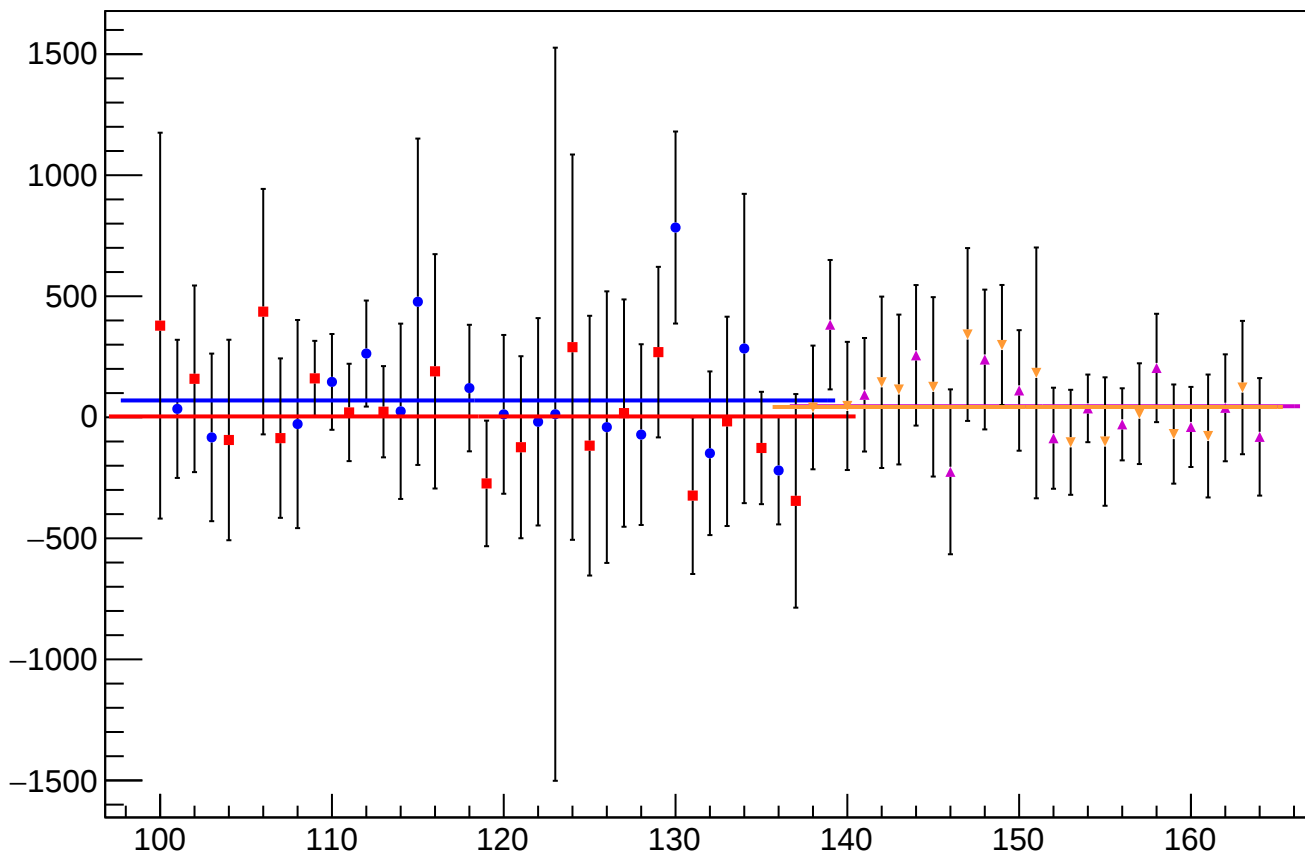
Right: 2483.827 $\pm$ 0.475 χ^2/NDF : 274364.7/35

In: 2509.966 $\pm$ 0.436 χ^2/NDF : 543026.1/29

Out: 2495.302 $\pm$ 0.424 χ^2/NDF : 514145.8/32

All: 2502.433 $\pm$ 0.304 χ^2/NDF : 1057754.2/62

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: 45.681 $\pm$ 58.310 χ^2 /NDF:5.0/12

Left: 44.459 $\pm$ 45.253 χ^2 /NDF: 8.4/26

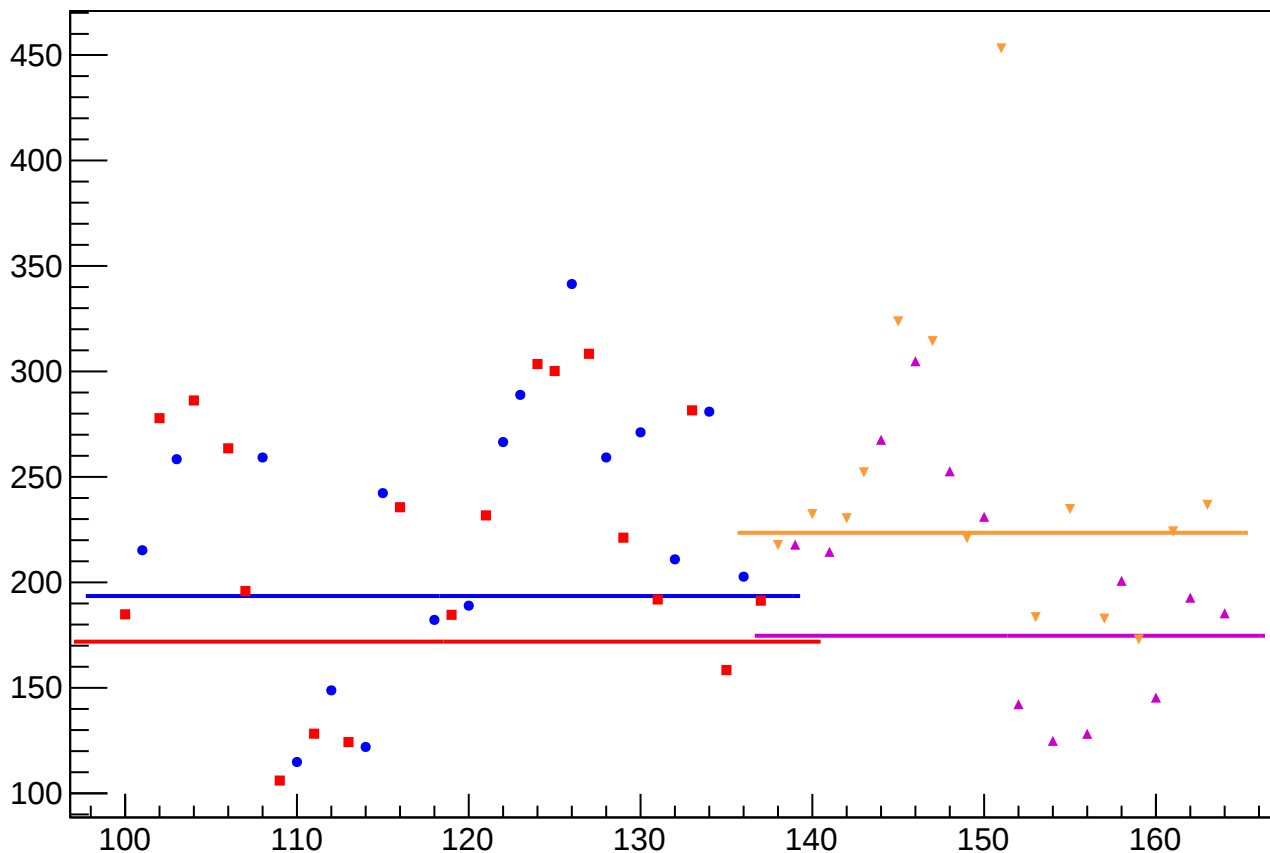
Right: 32.582 $\pm$ 52.390 χ^2 /NDF: 14.1/35

In: 54.108 $\pm$ 46.919 χ^2 /NDF:12.4/29

Out: 22.596 $\pm$ 50.100 χ^2 /NDF:9.9/32

All: 39.384 $\pm$ 34.246 χ^2 /NDF: 22.5/62

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: 174.705+/-0.041 χ^2/NDF : 1459962.9/12

Left: 194.109+/-0.032 χ^2/NDF : 2981382.2/26

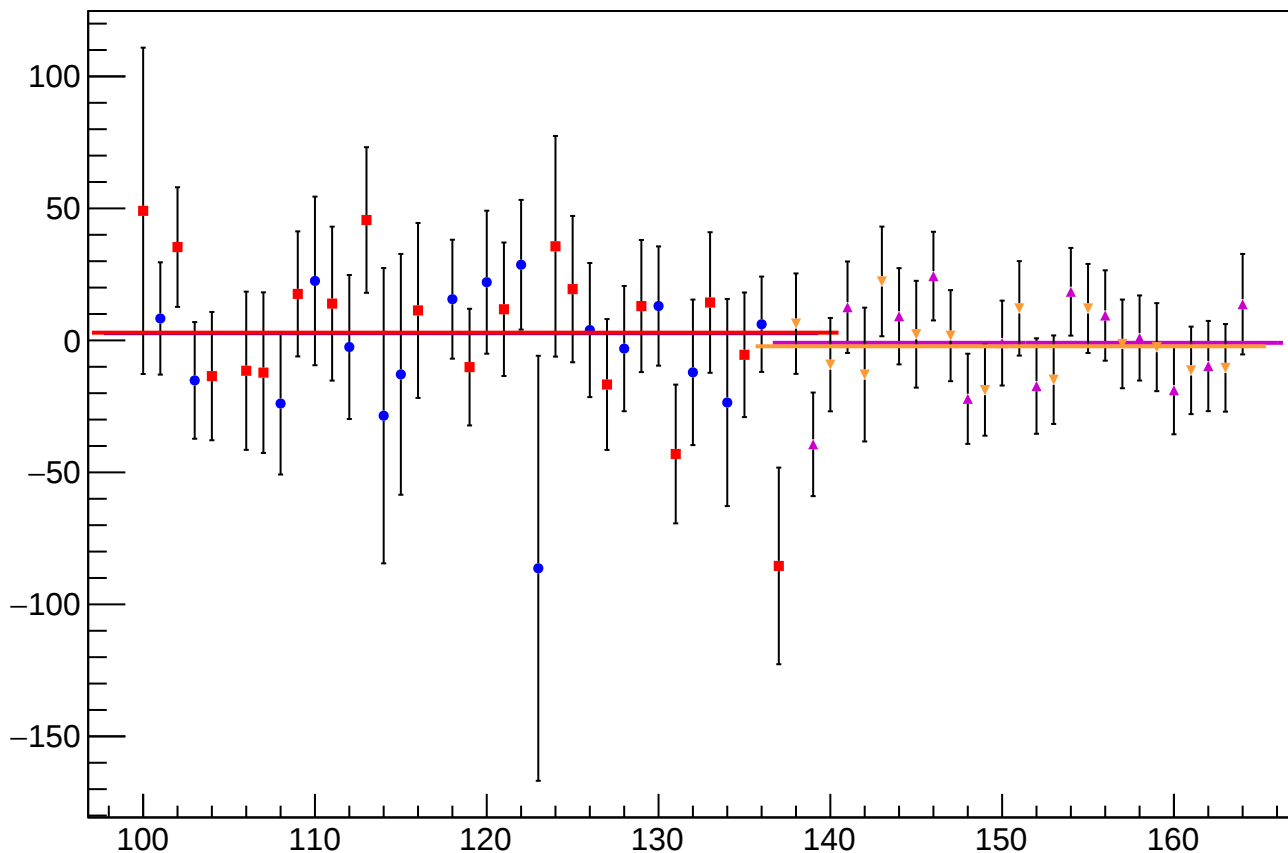
Right: 181.409+/-0.037 χ^2/NDF : 2671312.8/35

In: 181.343+/-0.033 χ^2/NDF : 2543898.8/29

Out: 197.050+/-0.035 χ^2/NDF : 3071369.6/32

All: 188.682+/-0.024 χ^2/NDF : 5720007.8/62

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: -0.917+/-4.795 χ^2/NDF : 13.1/12

Left: -1.576+/-3.388 χ^2/NDF : 18.6/26

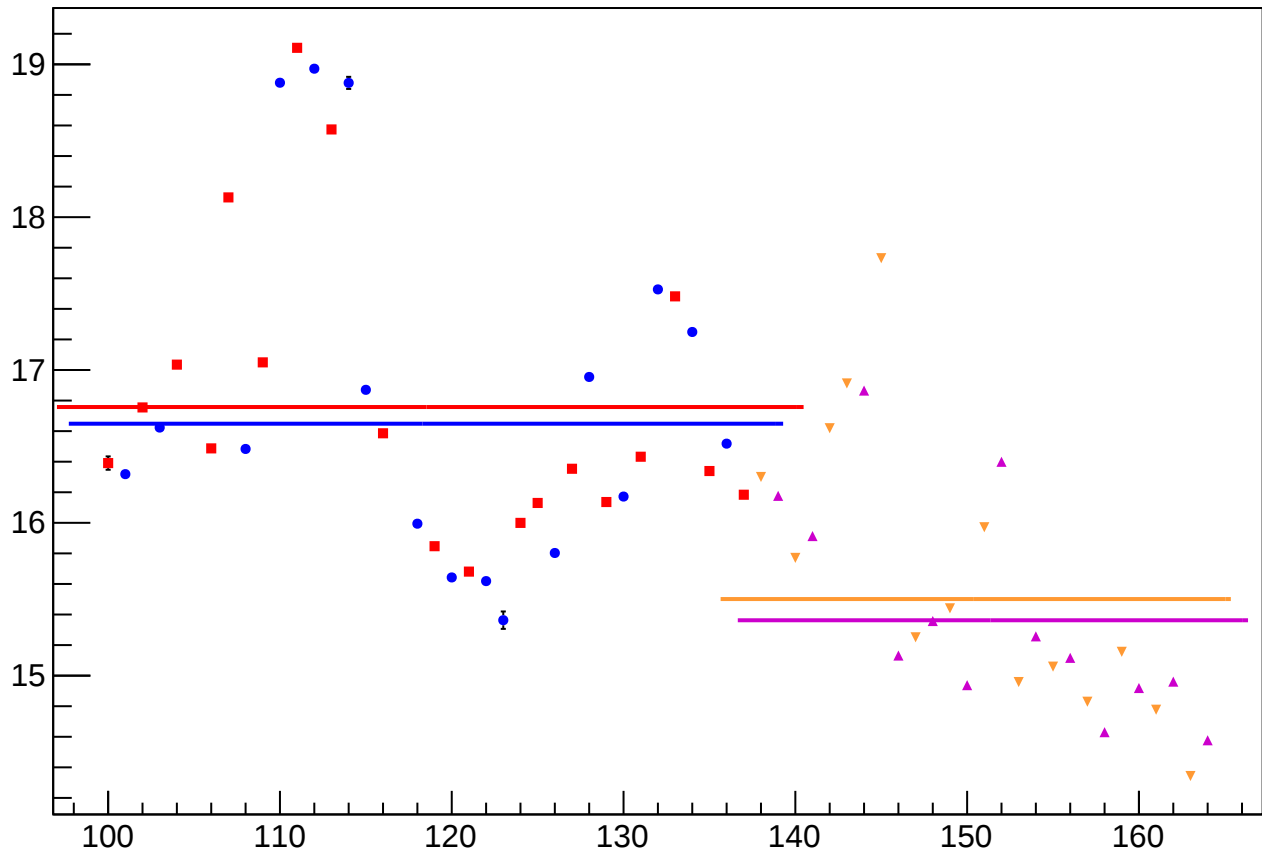
Right: 2.833+/-4.490 χ^2/NDF : 24.5/35

In: 0.389+/-3.843 χ^2/NDF : 20.1/29

Out: -0.335+/-3.808 χ^2/NDF : 23.6/32

All: 0.024+/-2.705 χ^2/NDF : 43.8/62

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: 15.362 $\pm$ 0.003 χ^2 /NDF: 37949.4/12

Left: 15.432 $\pm$ 0.002 χ^2 /NDF: 103118.7/26

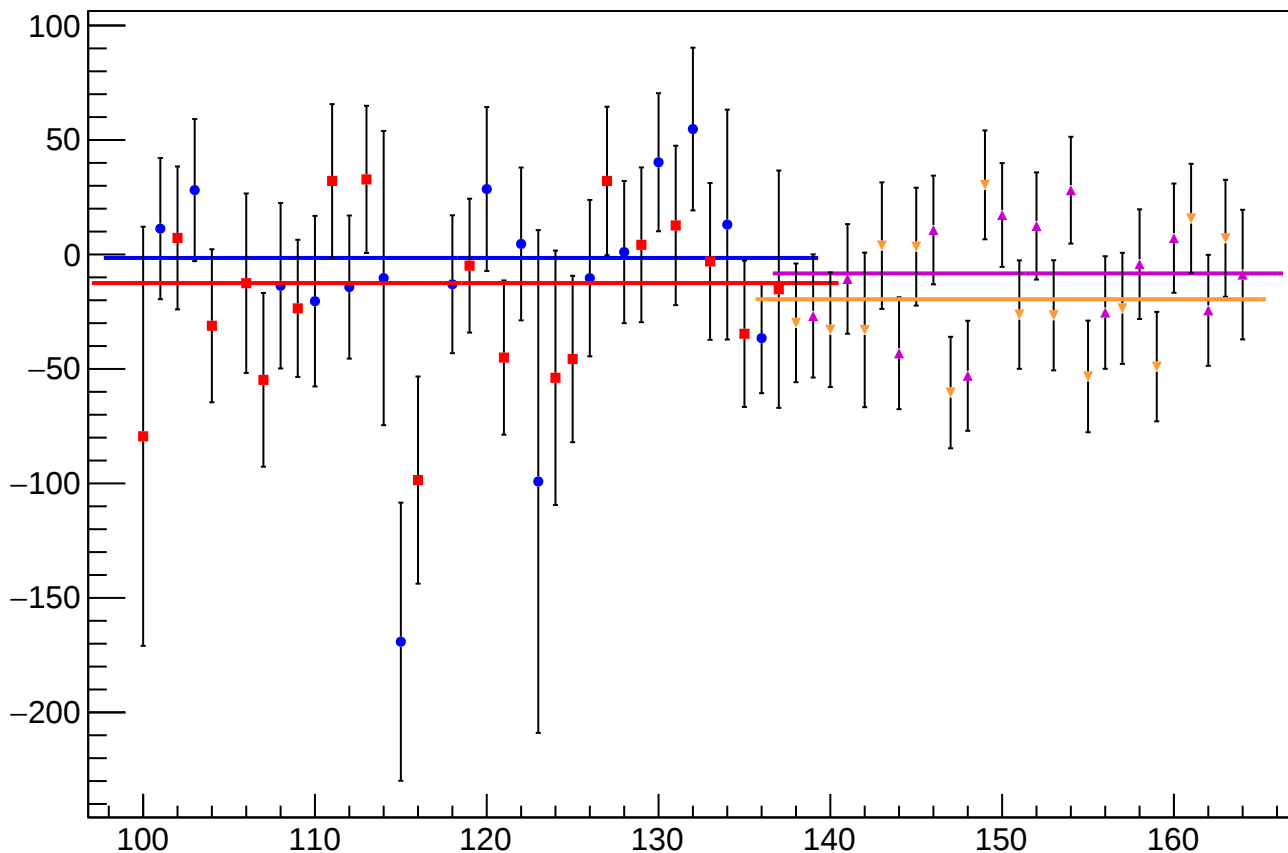
Right: 16.704 $\pm$ 0.003 χ^2 /NDF: 82813.0/35

In: 15.823 $\pm$ 0.003 χ^2 /NDF: 131997.7/29

Out: 15.963 $\pm$ 0.003 χ^2 /NDF: 154918.4/32

All: 15.894 $\pm$ 0.002 χ^2 /NDF: 288270.8/62

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.523 ± 8.485 $\chi^2/\text{NDF}: 17.6/16$

Left Out: -19.547 ± 6.716 $\chi^2/\text{NDF}: 16.2/13$

Right Out: -12.475 ± 8.210 $\chi^2/\text{NDF}: 15.6/18$

Left In: -8.276 ± 6.738 $\chi^2/\text{NDF}: 12.5/12$

Left: -13.930 ± 4.757 $\chi^2/\text{NDF}: 30.1/26$

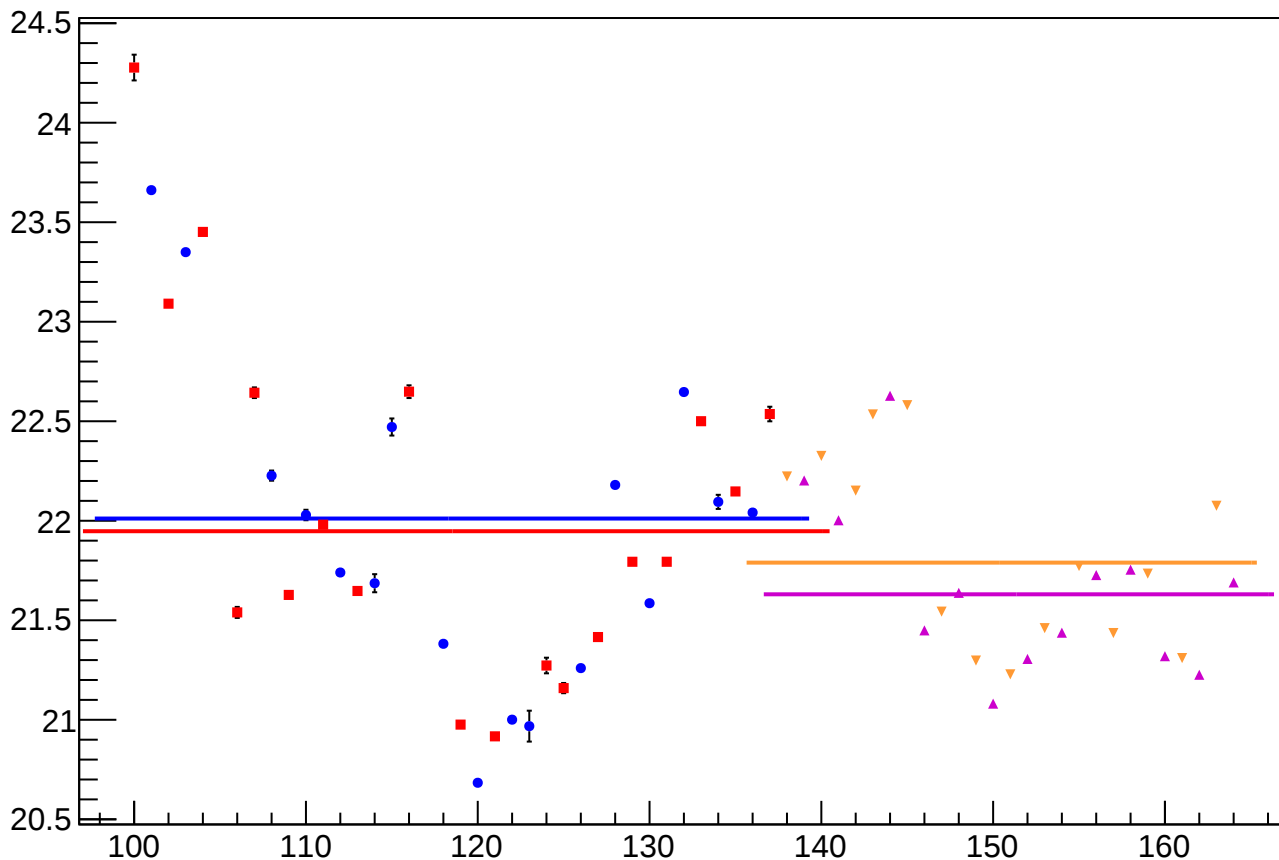
Right: -7.179 ± 5.900 $\chi^2/\text{NDF}: 34.1/35$

In: -5.664 ± 5.277 $\chi^2/\text{NDF}: 30.5/29$

Out: -16.712 ± 5.198 $\chi^2/\text{NDF}: 32.3/32$

All: -11.271 ± 3.703 $\chi^2/\text{NDF}: 65.0/62$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.011 $\pm$ 0.006 χ^2 /NDF: 17546.9/16

Left Out: 21.790 $\pm$ 0.005 χ^2 /NDF: 9101.3/13

Right Out: 21.947 $\pm$ 0.006 χ^2 /NDF: 16592.7/18

Left In: 21.630 $\pm$ 0.005 χ^2 /NDF: 7522.4/12

Left: 21.710 $\pm$ 0.003 χ^2 /NDF: 17183.9/26

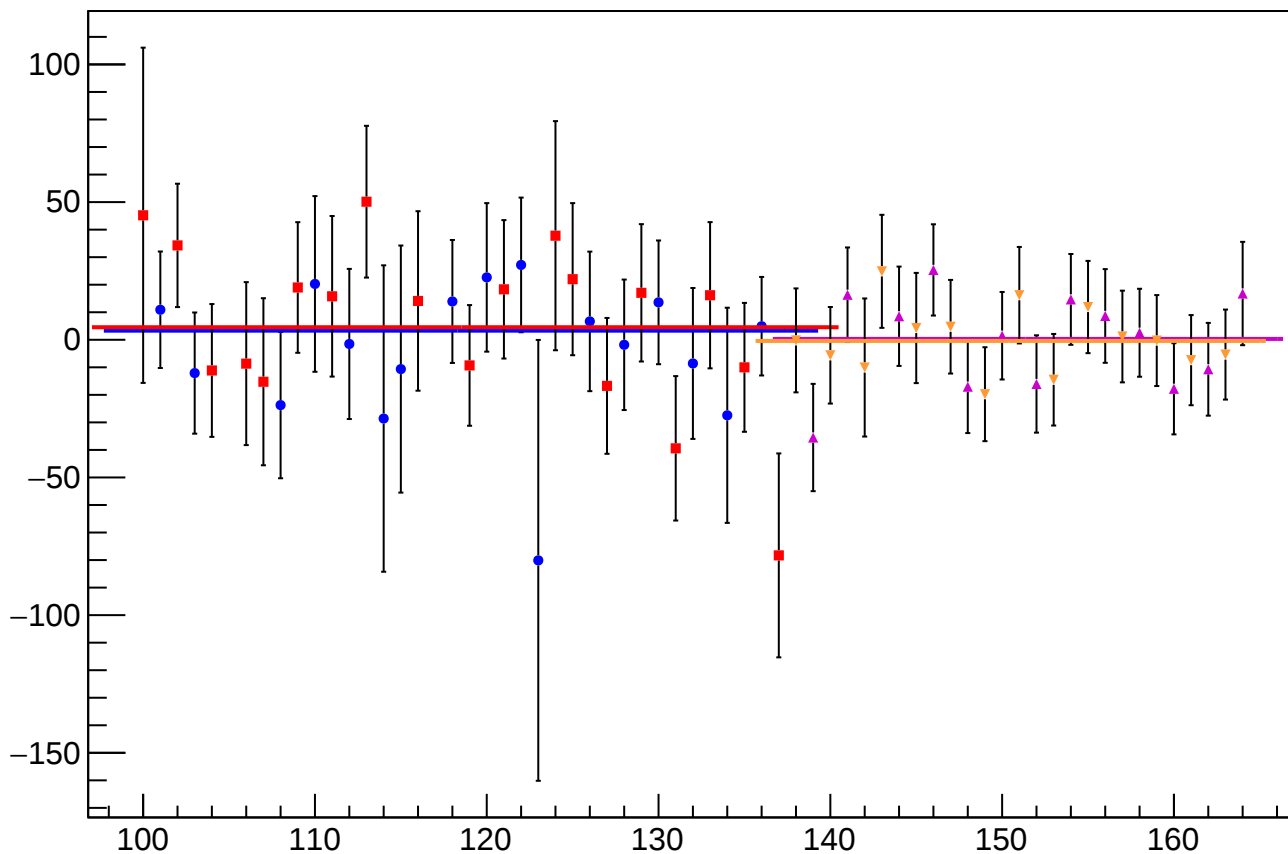
Right: 21.978 $\pm$ 0.004 χ^2 /NDF: 34197.9/35

In: 21.778 $\pm$ 0.004 χ^2 /NDF: 27538.3/29

Out: 21.853 $\pm$ 0.004 χ^2 /NDF: 26136.5/32

All: 21.816 $\pm$ 0.003 χ^2 /NDF: 53881.1/62

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: 0.312 ± 4.741 $\chi^2/\text{NDF}: 12.1/12$

Left: -0.053 ± 3.350 $\chi^2/\text{NDF}: 17.7/26$

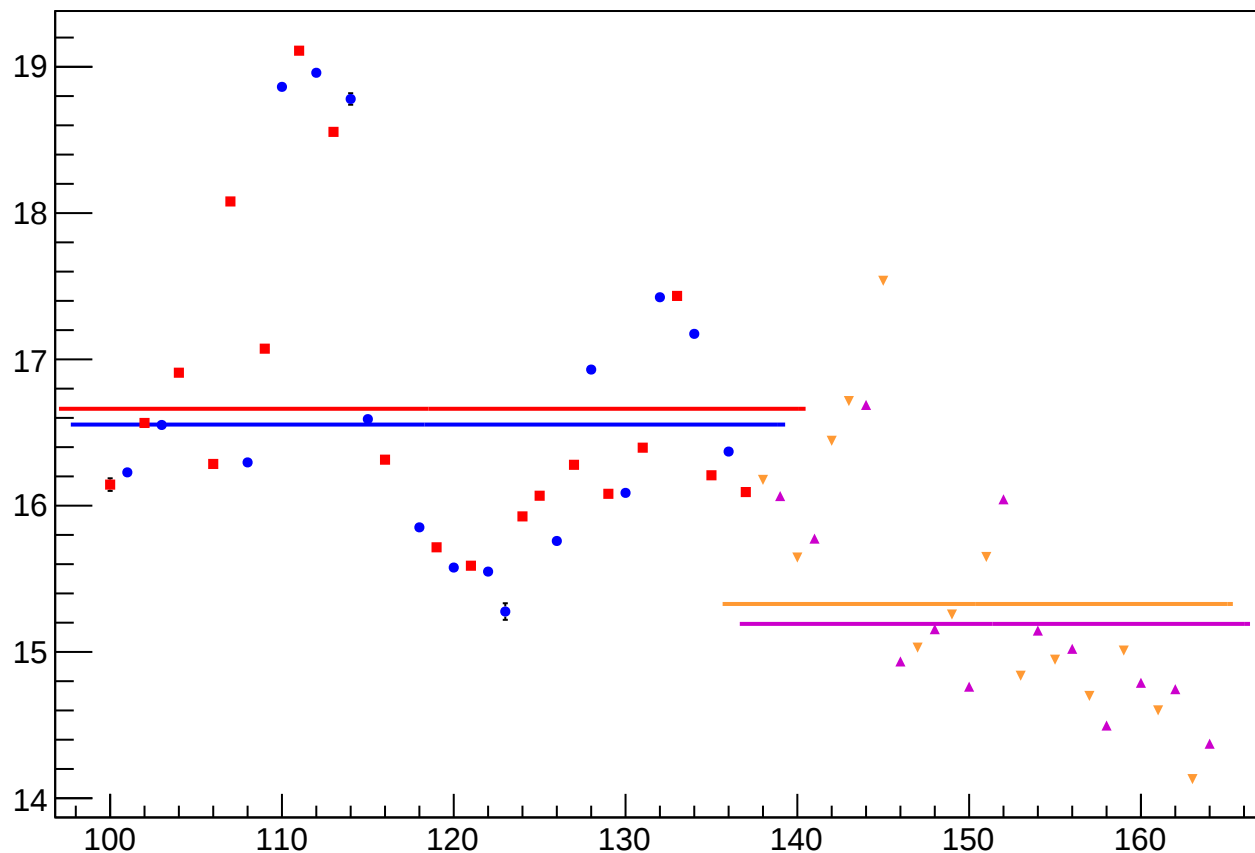
Right: 3.953 ± 4.465 $\chi^2/\text{NDF}: 24.0/35$

In: 1.379 ± 3.807 $\chi^2/\text{NDF}: 18.5/29$

Out: 1.401 ± 3.773 $\chi^2/\text{NDF}: 23.8/32$

All: 1.390 ± 2.680 $\chi^2/\text{NDF}: 42.2/62$

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: 15.192 $\pm$ 0.003 χ^2 /NDF: 37092.1/12

Left: 15.260 $\pm$ 0.002 χ^2 /NDF: 102465.8/26

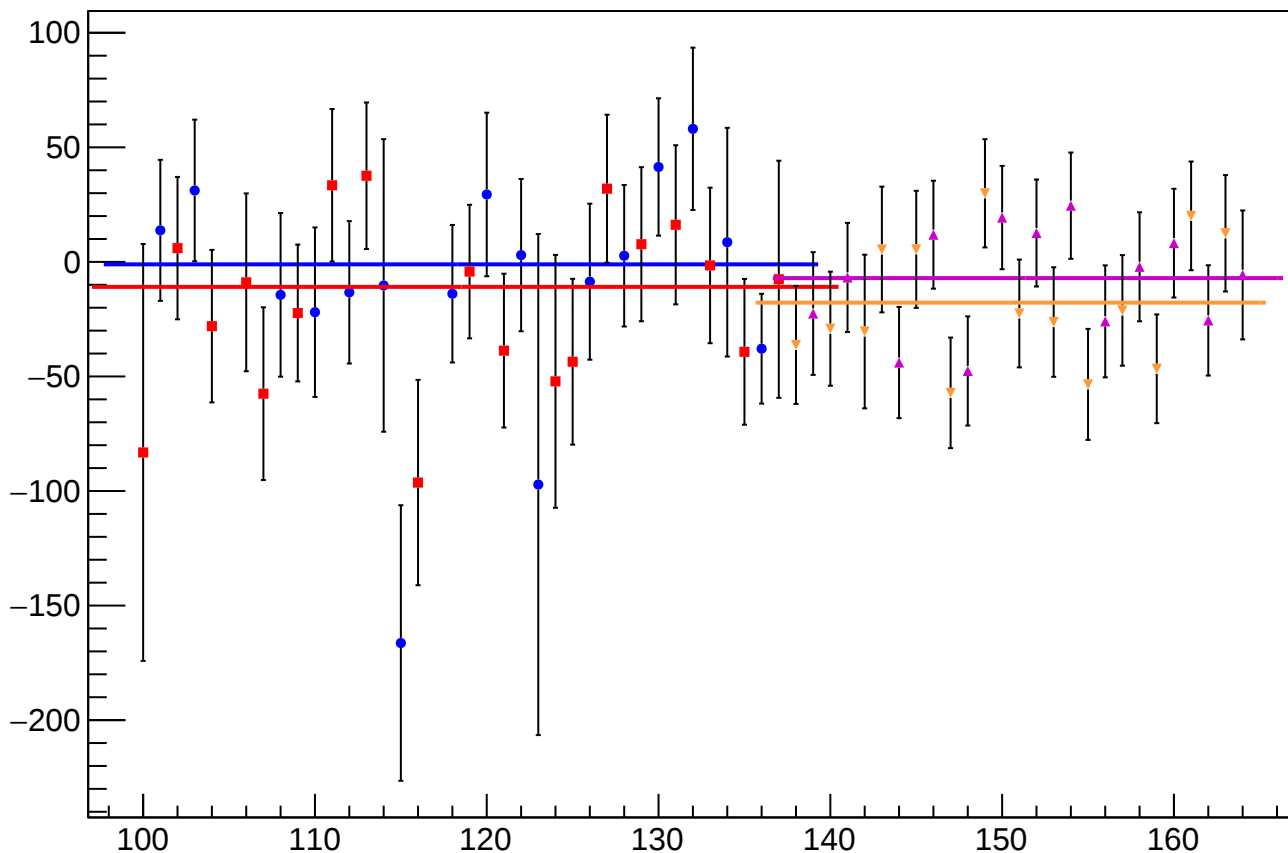
Right: 16.610 $\pm$ 0.003 χ^2 /NDF: 87830.7/35

In: 15.676 $\pm$ 0.003 χ^2 /NDF: 140243.6/29

Out: 15.815 $\pm$ 0.003 χ^2 /NDF: 165606.4/32

All: 15.746 $\pm$ 0.002 χ^2 /NDF: 307203.5/62

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: -7.069 ± 6.699 χ^2/NDF : 11.8/12

Left: -12.448 ± 4.727 χ^2/NDF : 30.0/26

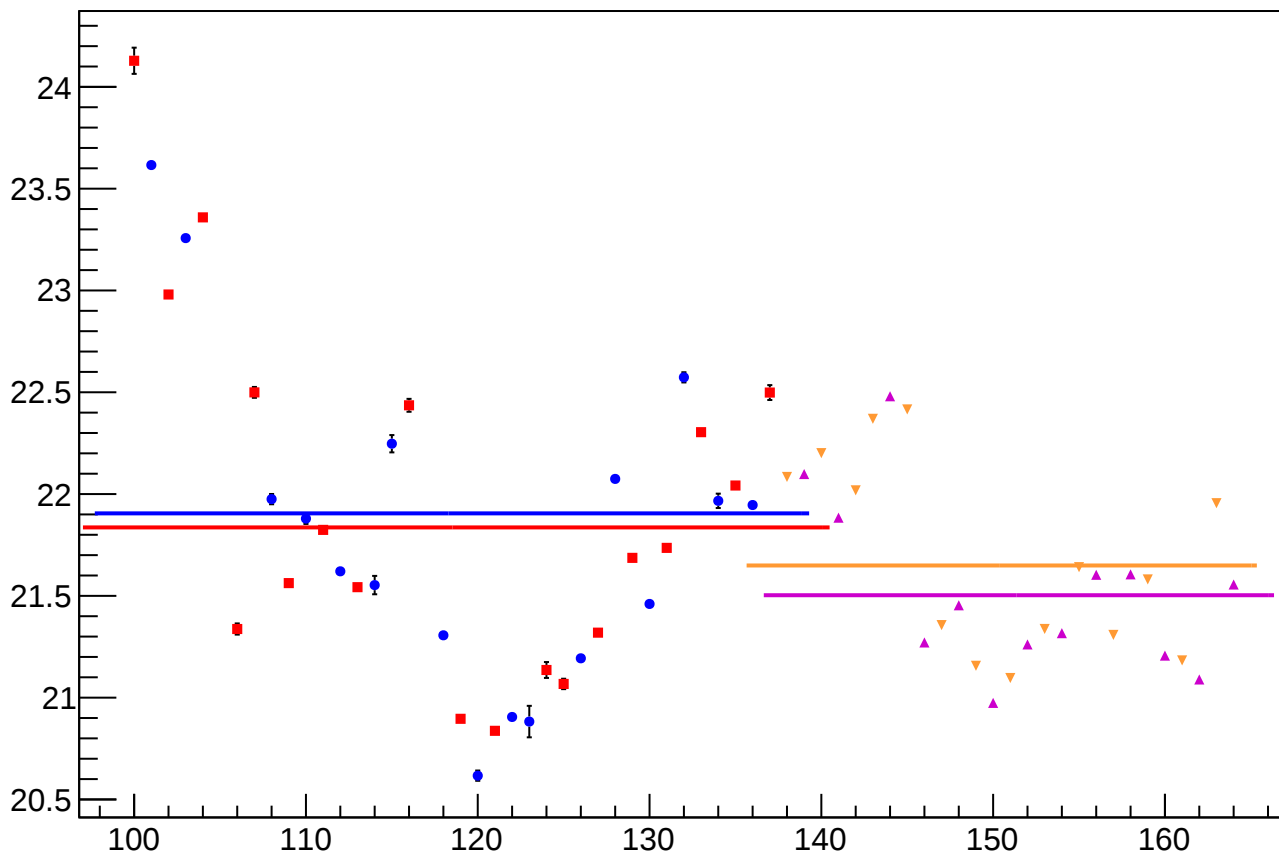
Right: -6.147 ± 5.871 χ^2/NDF : 35.4/35

In: -4.751 ± 5.248 χ^2/NDF : 30.5/29

Out: -15.030 ± 5.168 χ^2/NDF : 33.6/32

All: -9.970 ± 3.682 χ^2/NDF : 66.1/62

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: 21.503 $\pm$ 0.005 χ^2/NDF : 7368.3/12

Left: 21.576 $\pm$ 0.003 χ^2/NDF : 16908.6/26

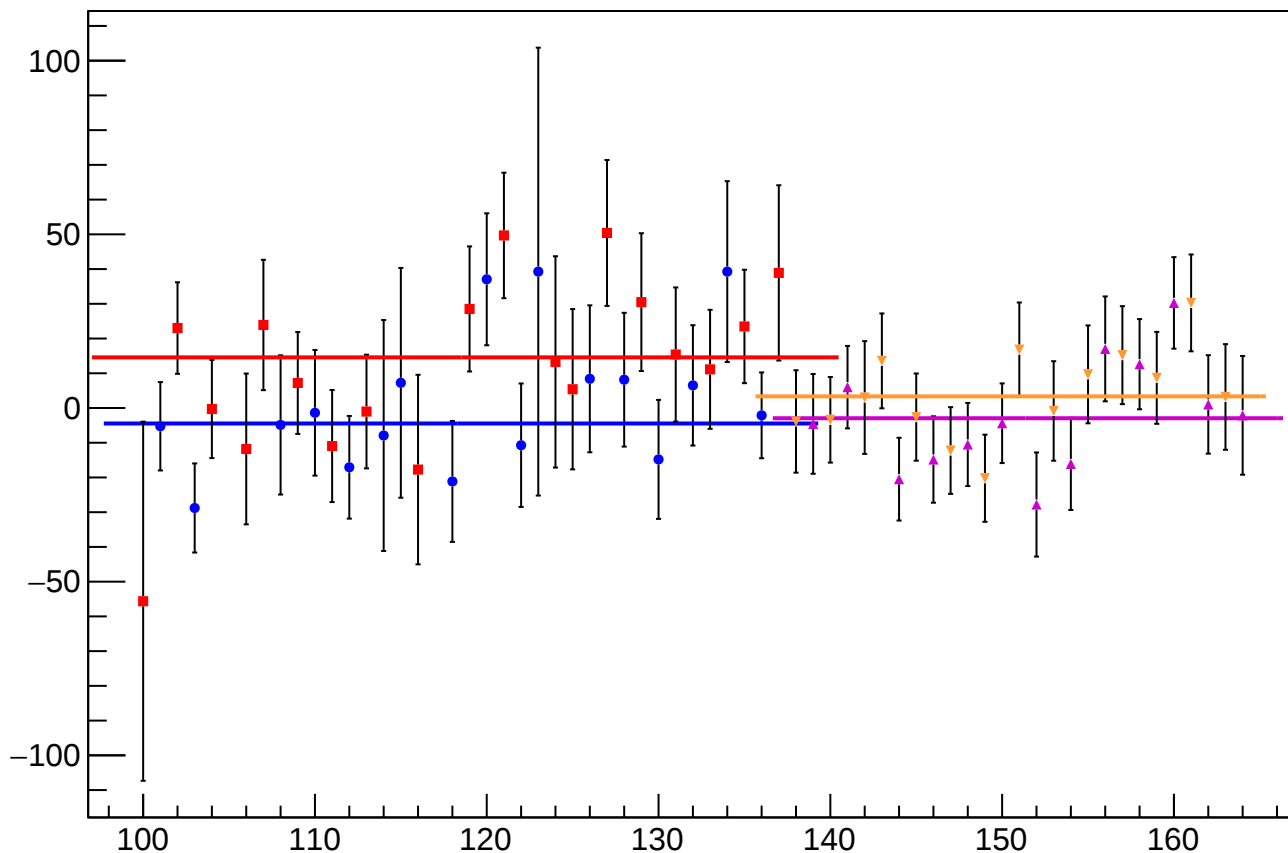
Right: 21.870 $\pm$ 0.004 χ^2/NDF : 34114.4/35

In: 21.658 $\pm$ 0.004 χ^2/NDF : 27945.3/29

Out: 21.724 $\pm$ 0.004 χ^2/NDF : 25942.4/32

All: 21.692 $\pm$ 0.003 χ^2/NDF : 54046.5/62

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.461 ± 4.329 χ^2/NDF : 15.2/16

Left Out: 3.352 ± 3.652 χ^2/NDF : 12.3/13

Right Out: 14.579 ± 4.264 χ^2/NDF : 19.5/18

Left In: -2.945 ± 3.660 χ^2/NDF : 17.4/12

Left: 0.211 ± 2.585 χ^2/NDF : 31.2/26

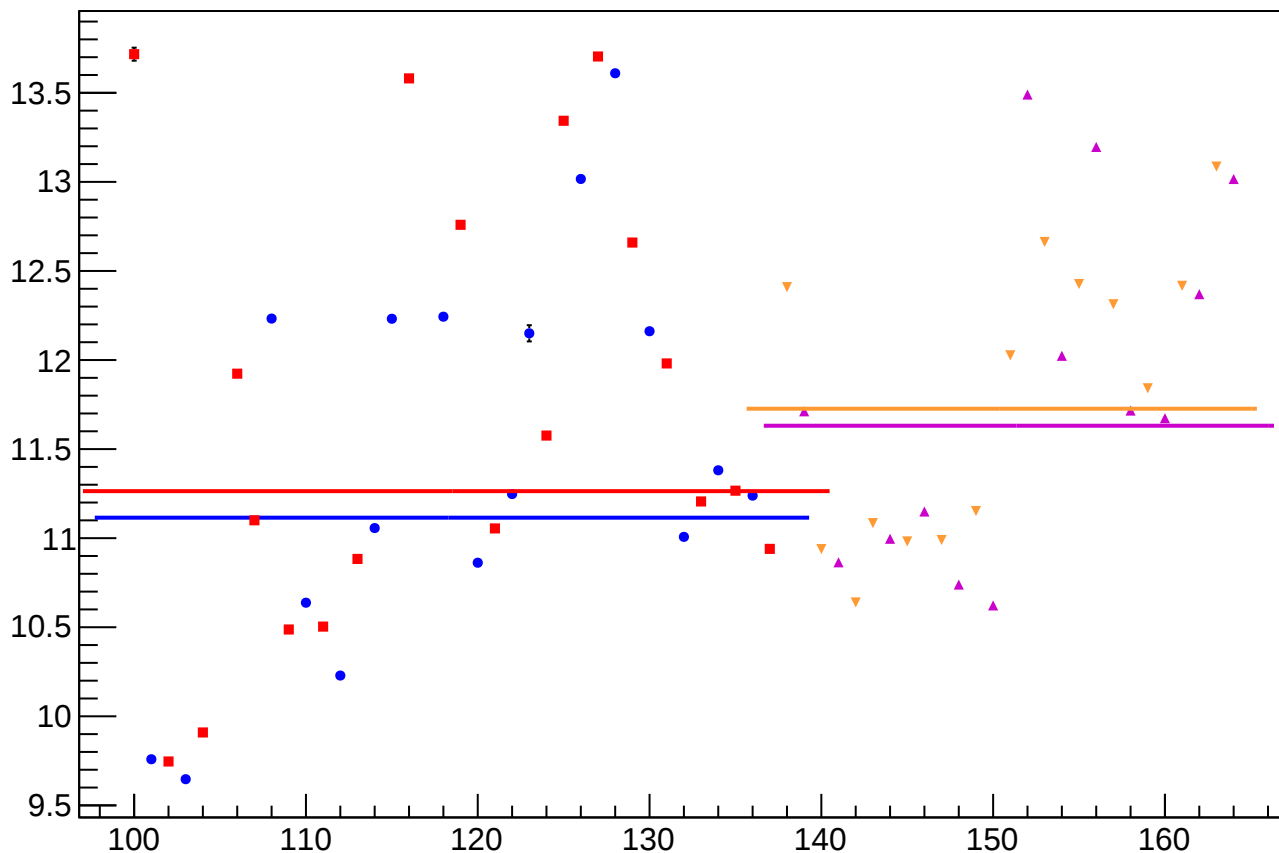
Right: 5.202 ± 3.038 χ^2/NDF : 44.5/35

In: -3.577 ± 2.795 χ^2/NDF : 32.7/29

Out: 8.102 ± 2.774 χ^2/NDF : 35.8/32

All: 2.308 ± 1.969 χ^2/NDF : 77.3/62

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: 11.631 $\pm$ 0.003 χ^2/NDF : 116315.1/12

Left: 11.679 $\pm$ 0.002 χ^2/NDF : 200006.2/26

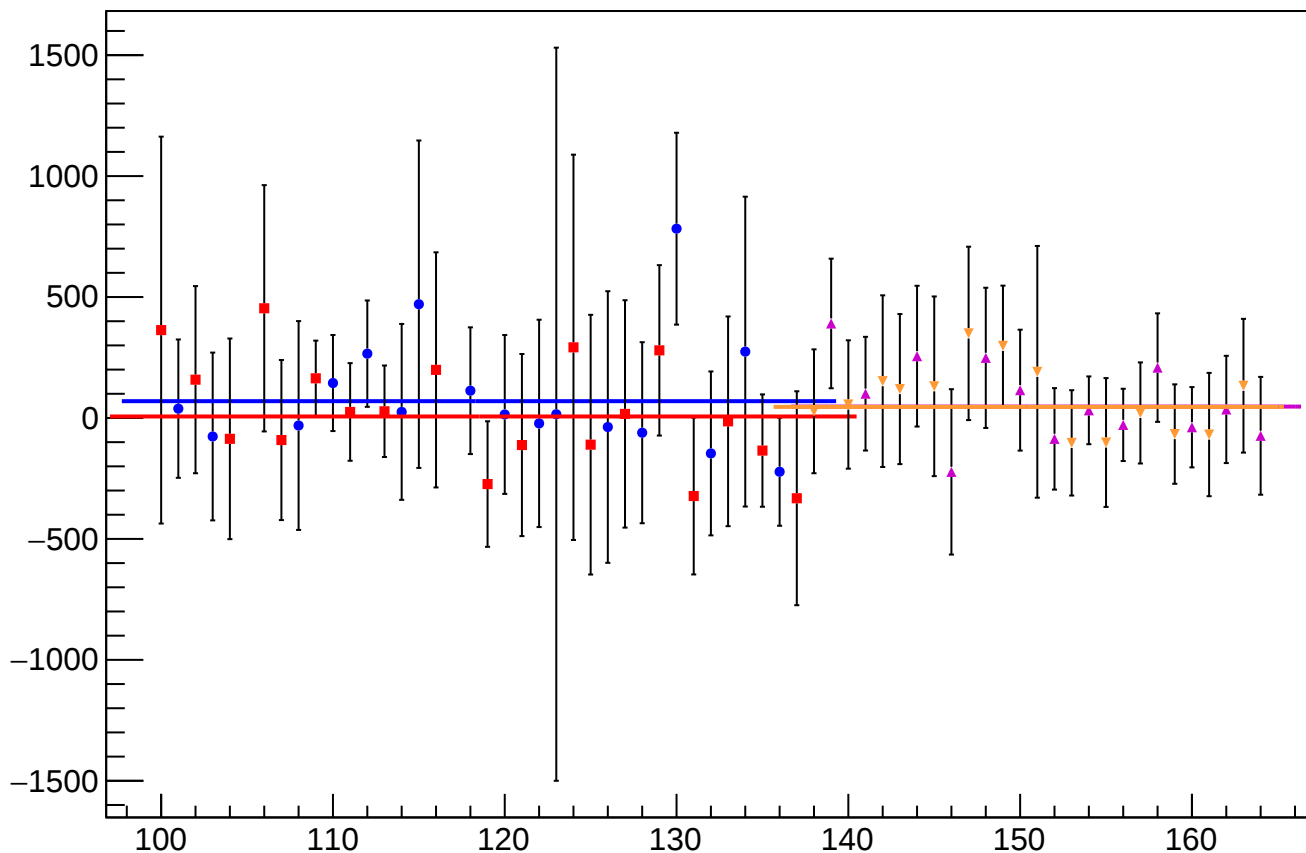
Right: 11.191 $\pm$ 0.002 χ^2/NDF : 281744.0/35

In: 11.416 $\pm$ 0.002 χ^2/NDF : 265953.9/29

Out: 11.531 $\pm$ 0.002 χ^2/NDF : 244081.3/32

All: 11.474 $\pm$ 0.001 χ^2/NDF : 511739.0/62

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.470+/-79.231 χ^2/NDF : 7.3/16

Left Out: 45.841+/-72.002 χ^2/NDF : 3.4/13

Right Out: 6.194+/-70.182 χ^2/NDF : 6.5/18

Left In: 47.108+/-58.507 χ^2/NDF : 5.1/12

Left: 46.604+/-45.406 χ^2/NDF : 8.5/26

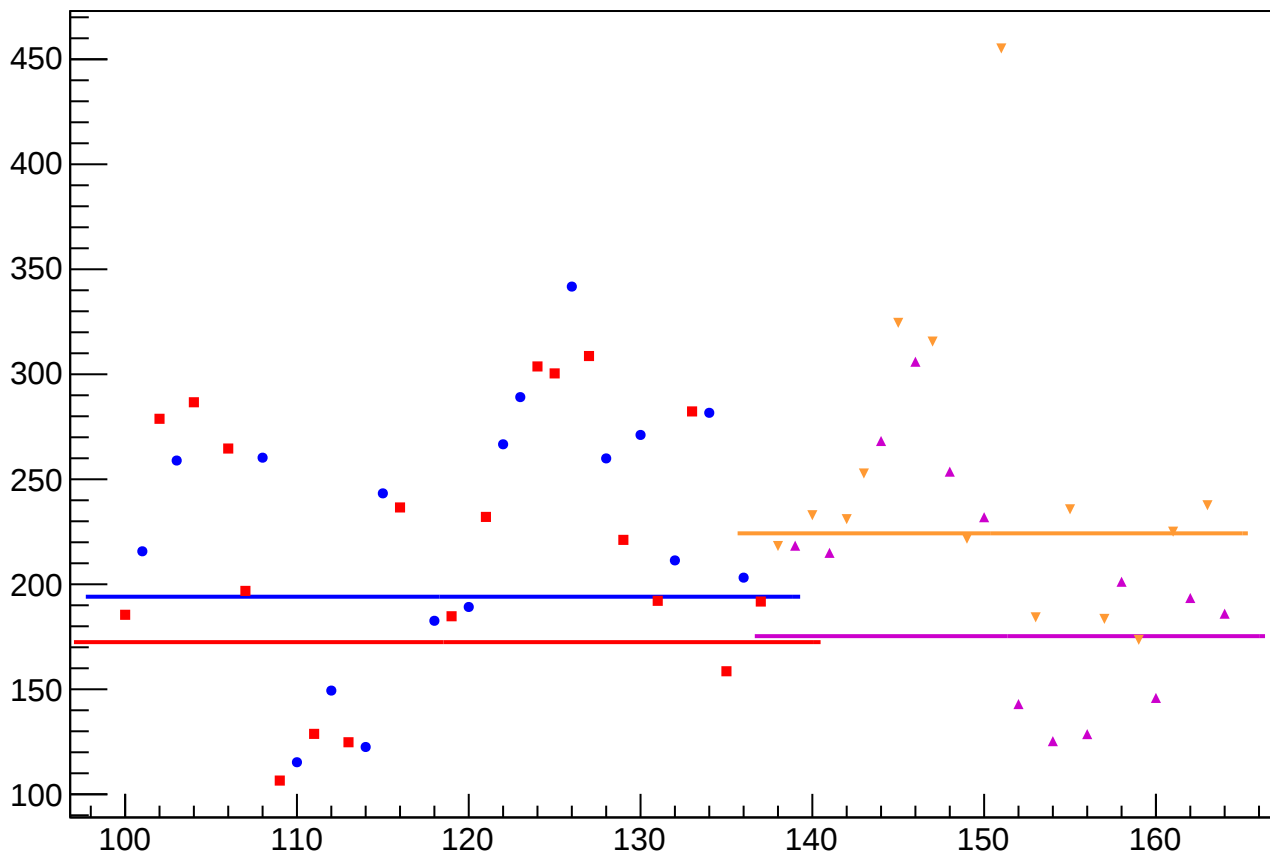
Right: 34.014+/-52.536 χ^2/NDF : 14.1/35

In: 54.999+/-47.065 χ^2/NDF : 12.4/29

Out: 25.510+/-50.257 χ^2/NDF : 10.1/32

All: 41.221+/-34.353 χ^2/NDF : 22.6/62

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.082+/-0.056 χ^2/NDF : 1005395.7/16

Left Out: 224.259+/-0.051 χ^2/NDF : 963901.9/13

Right Out: 172.452+/-0.050 χ^2/NDF : 1569463.1/18

Left In: 175.303+/-0.041 χ^2/NDF : 1457753.5/12

Left: 194.772+/-0.032 χ^2/NDF : 2978541.8/26

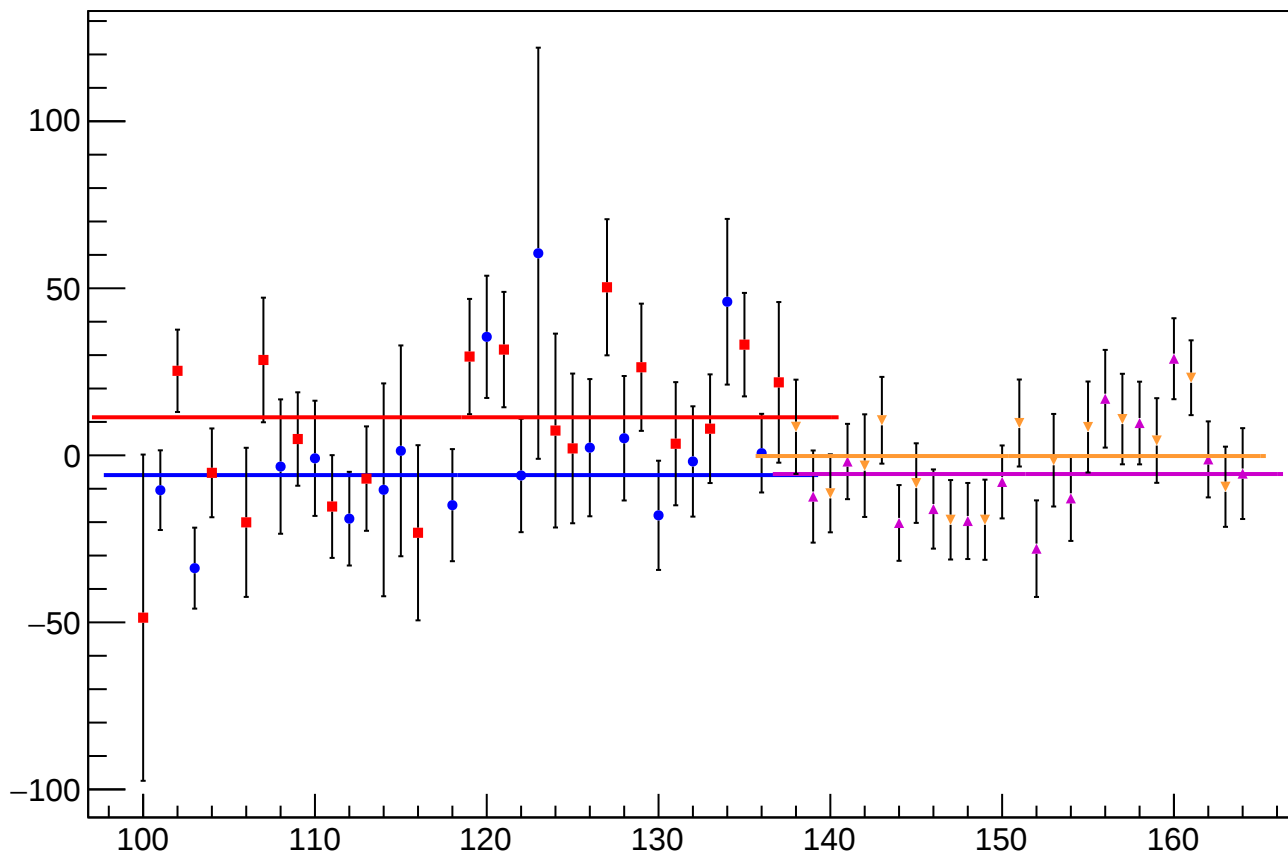
Right: 181.961+/-0.037 χ^2/NDF : 2658380.0/35

In: 181.929+/-0.033 χ^2/NDF : 2535851.7/29

Out: 197.692+/-0.036 χ^2/NDF : 3064324.9/32

All: 189.294+/-0.024 χ^2/NDF : 5704995.4/62

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: -5.594 ± 3.406 χ^2/NDF : 19.2/12

Left: -2.894 ± 2.405 χ^2/NDF : 34.8/26

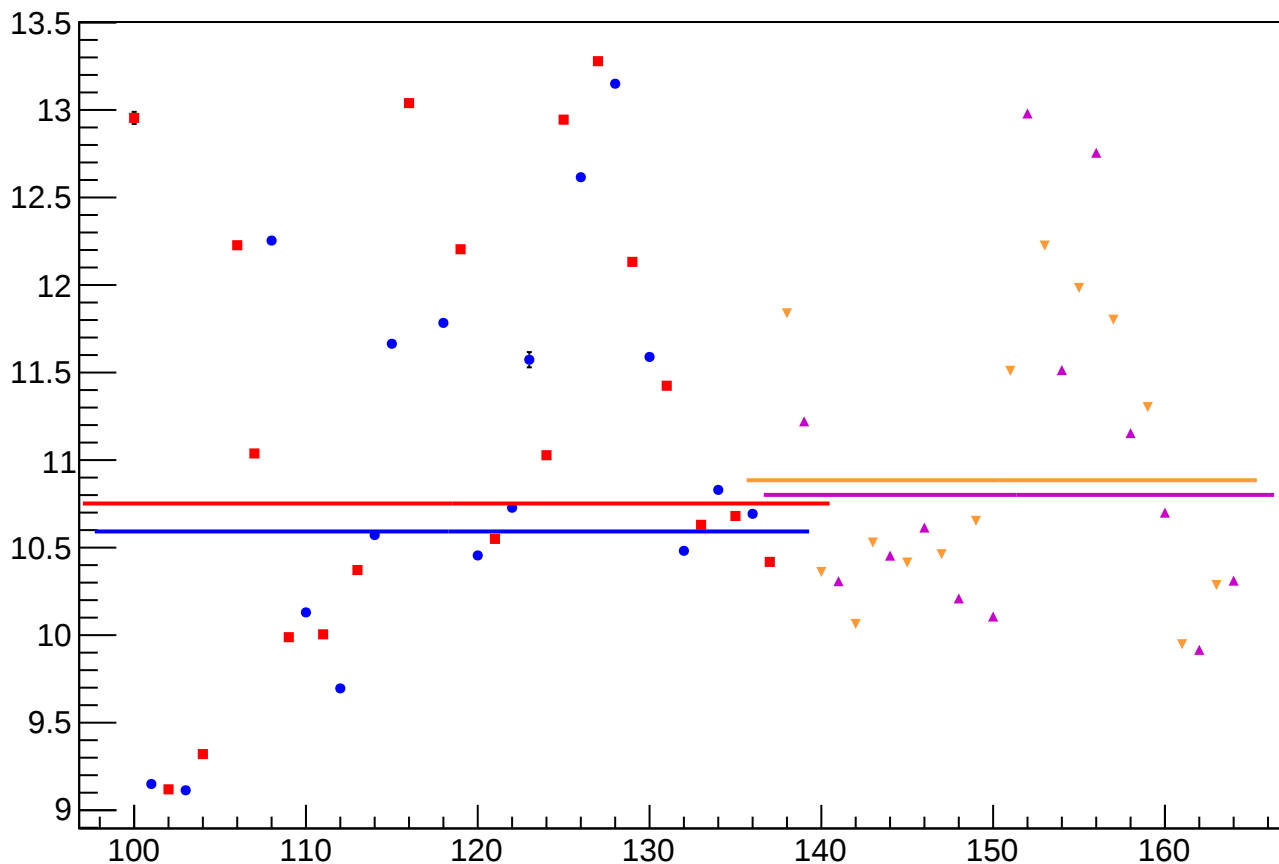
Right: 2.855 ± 2.903 χ^2/NDF : 50.6/35

In: -5.723 ± 2.628 χ^2/NDF : 38.1/29

Out: 4.541 ± 2.610 χ^2/NDF : 42.0/32

All: -0.555 ± 1.852 χ^2/NDF : 87.7/62

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.592 ± 0.003 χ^2/NDF : 160397.9/16

Left Out: 10.885 ± 0.002 χ^2/NDF : 93431.0/13

Right Out: 10.752 ± 0.003 χ^2/NDF : 176895.3/18

Left In: 10.801 ± 0.002 χ^2/NDF : 125444.9/12

Left: 10.843 ± 0.002 χ^2/NDF : 219481.4/26

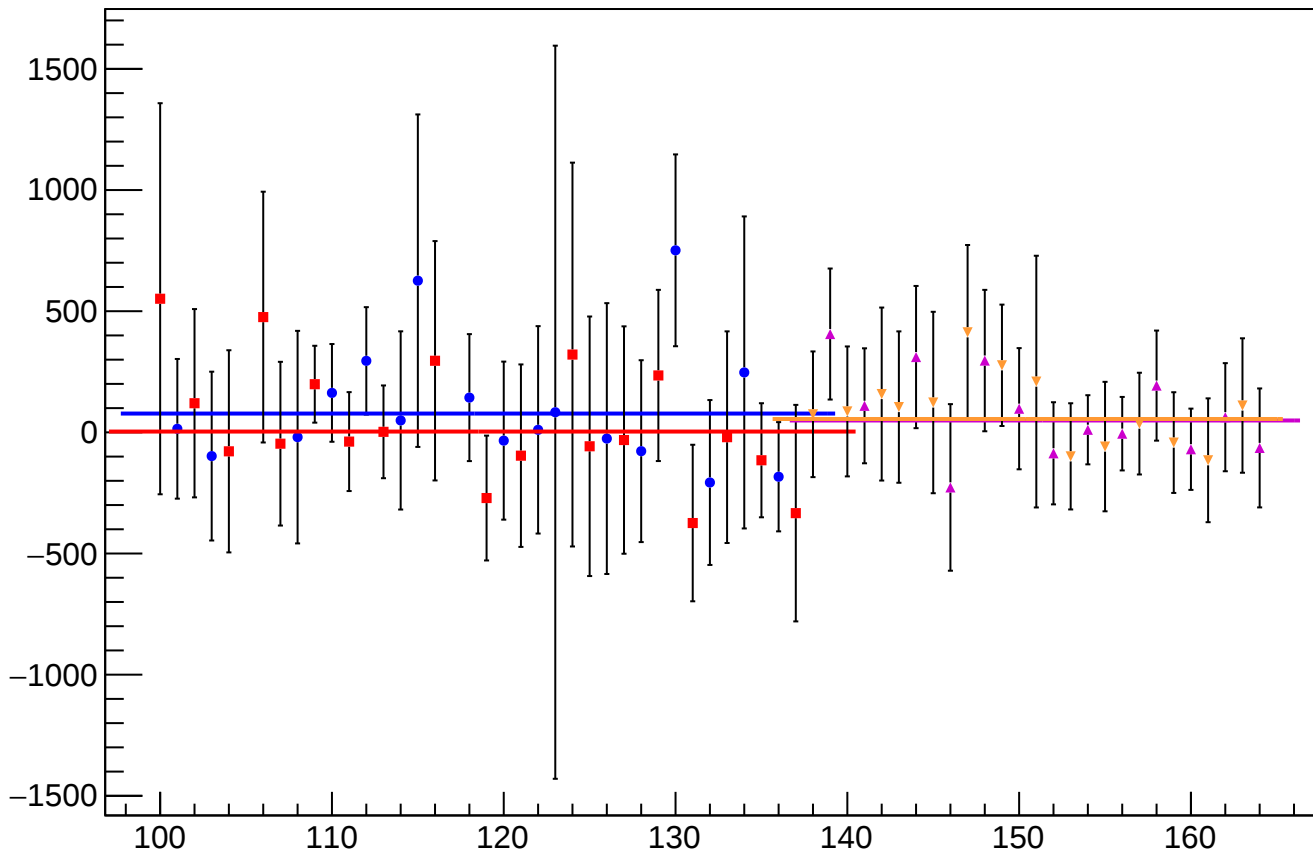
Right: 10.673 ± 0.002 χ^2/NDF : 338807.3/35

In: 10.717 ± 0.002 χ^2/NDF : 288888.4/29

Out: 10.830 ± 0.002 χ^2/NDF : 271580.3/32

All: 10.774 ± 0.001 χ^2/NDF : 562355.5/62

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: 49.001 $\pm$ 59.132 χ^2 /NDF:5.7/12

Left: 51.462 $\pm$ 45.819 χ^2 /NDF: 9.1/26

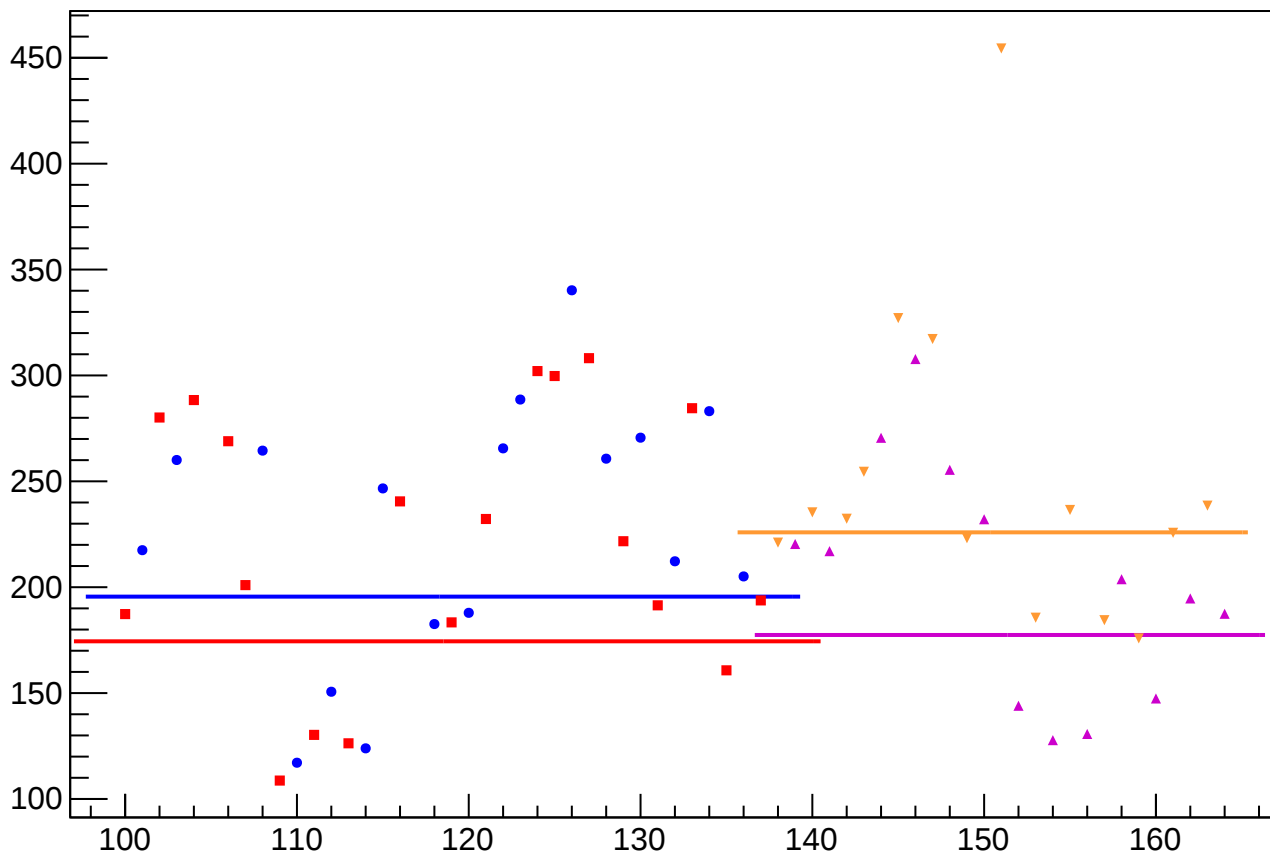
Right: 36.075 $\pm$ 52.969 χ^2 /NDF: 15.4/35

In: 59.142 $\pm$ 47.500 χ^2 /NDF:13.4/29

Out: 28.645 $\pm$ 50.667 χ^2 /NDF:11.0/32

All: 44.876 $\pm$ 34.653 χ^2 /NDF: 24.6/62

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: 177.440+/-0.042 χ^2/NDF : 1421951.3/12

Left: 196.807+/-0.032 χ^2/NDF : 2910453.2/26

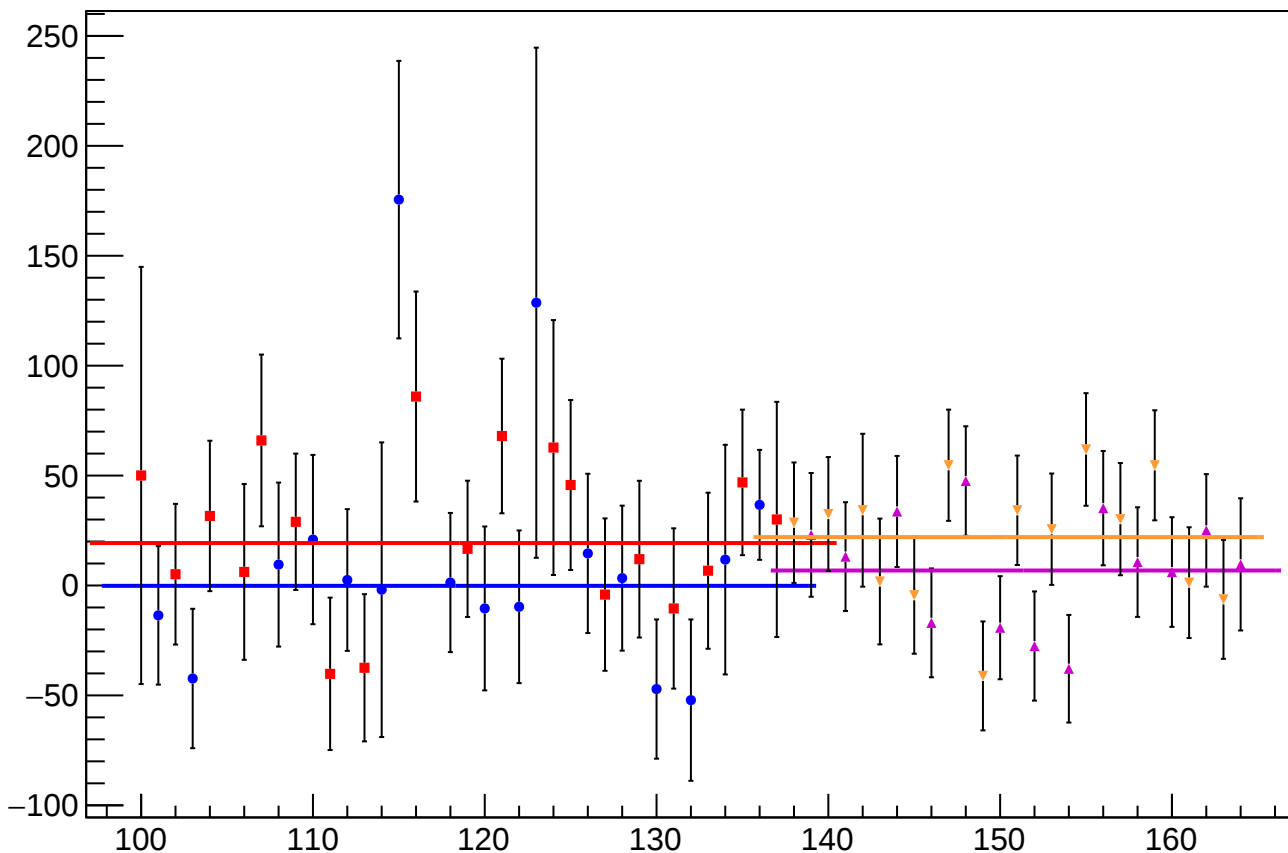
Right: 183.758+/-0.037 χ^2/NDF : 2586820.6/35

In: 183.865+/-0.034 χ^2/NDF : 2468441.2/29

Out: 199.593+/-0.036 χ^2/NDF : 2995687.9/32

All: 191.222+/-0.025 χ^2/NDF : 5566705.1/62

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.158 ± 8.826 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 22.018 ± 7.029 $\chi^2/\text{NDF}: 16.3/13$

Right Out: 19.316 ± 8.554 $\chi^2/\text{NDF}: 14.8/18$

Left In: 6.818 ± 7.046 $\chi^2/\text{NDF}: 13.3/12$

Left: 14.436 ± 4.976 $\chi^2/\text{NDF}: 31.9/26$

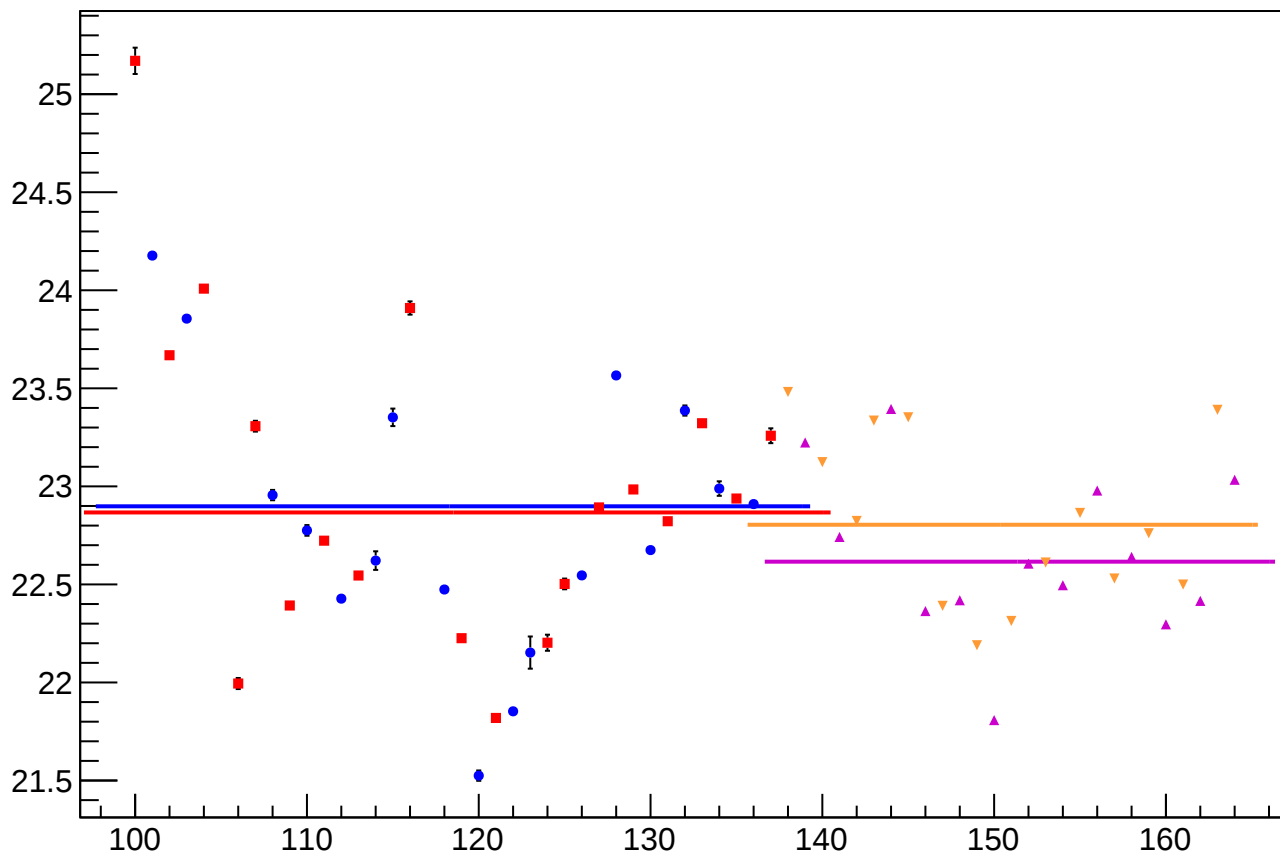
Right: 9.884 ± 6.142 $\chi^2/\text{NDF}: 35.4/35$

In: 4.103 ± 5.507 $\chi^2/\text{NDF}: 31.8/29$

Out: 20.929 ± 5.431 $\chi^2/\text{NDF}: 31.1/32$

All: 12.633 ± 3.867 $\chi^2/\text{NDF}: 67.6/62$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.898 ± 0.006 $\chi^2/\text{NDF}: 12143.3/16$

Left Out: 22.804 ± 0.005 $\chi^2/\text{NDF}: 7198.1/13$

Right Out: 22.867 ± 0.006 $\chi^2/\text{NDF}: 11048.4/18$

Left In: 22.616 ± 0.005 $\chi^2/\text{NDF}: 6866.4/12$

Left: 22.710 ± 0.004 $\chi^2/\text{NDF}: 14780.5/26$

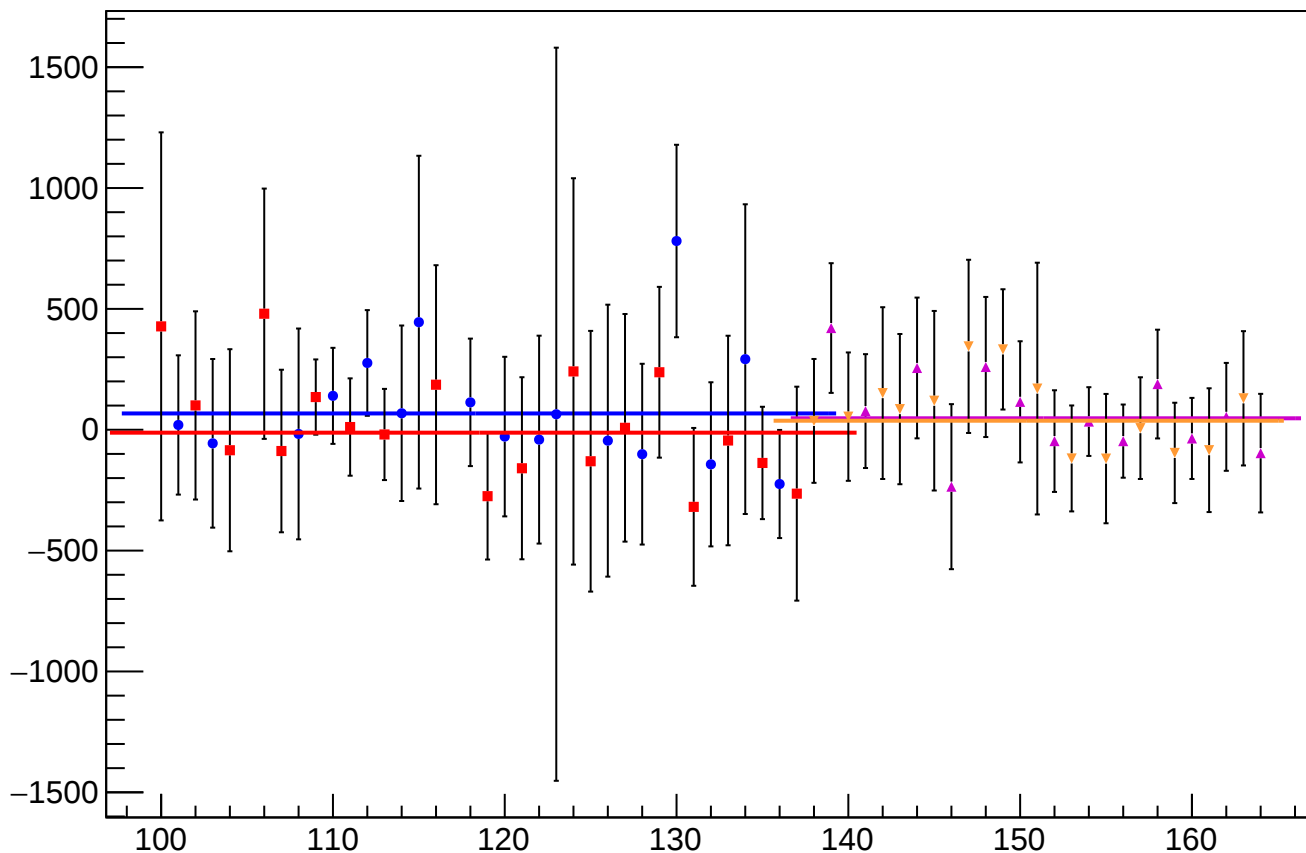
Right: 22.882 ± 0.004 $\chi^2/\text{NDF}: 23204.7/35$

In: 22.726 ± 0.004 $\chi^2/\text{NDF}: 20260.1/29$

Out: 22.830 ± 0.004 $\chi^2/\text{NDF}: 18310.7/32$

All: 22.778 ± 0.003 $\chi^2/\text{NDF}: 38930.3/62$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.449+/-79.404 χ^2/NDF : 7.4/16

Left Out: 37.366+/-72.285 χ^2/NDF : 4.0/13

Right Out: -12.117+/-70.355 χ^2/NDF : 5.8/18

Left In: 47.381+/-58.944 χ^2/NDF : 5.3/12

Left: 43.381+/-45.681 χ^2/NDF : 9.4/26

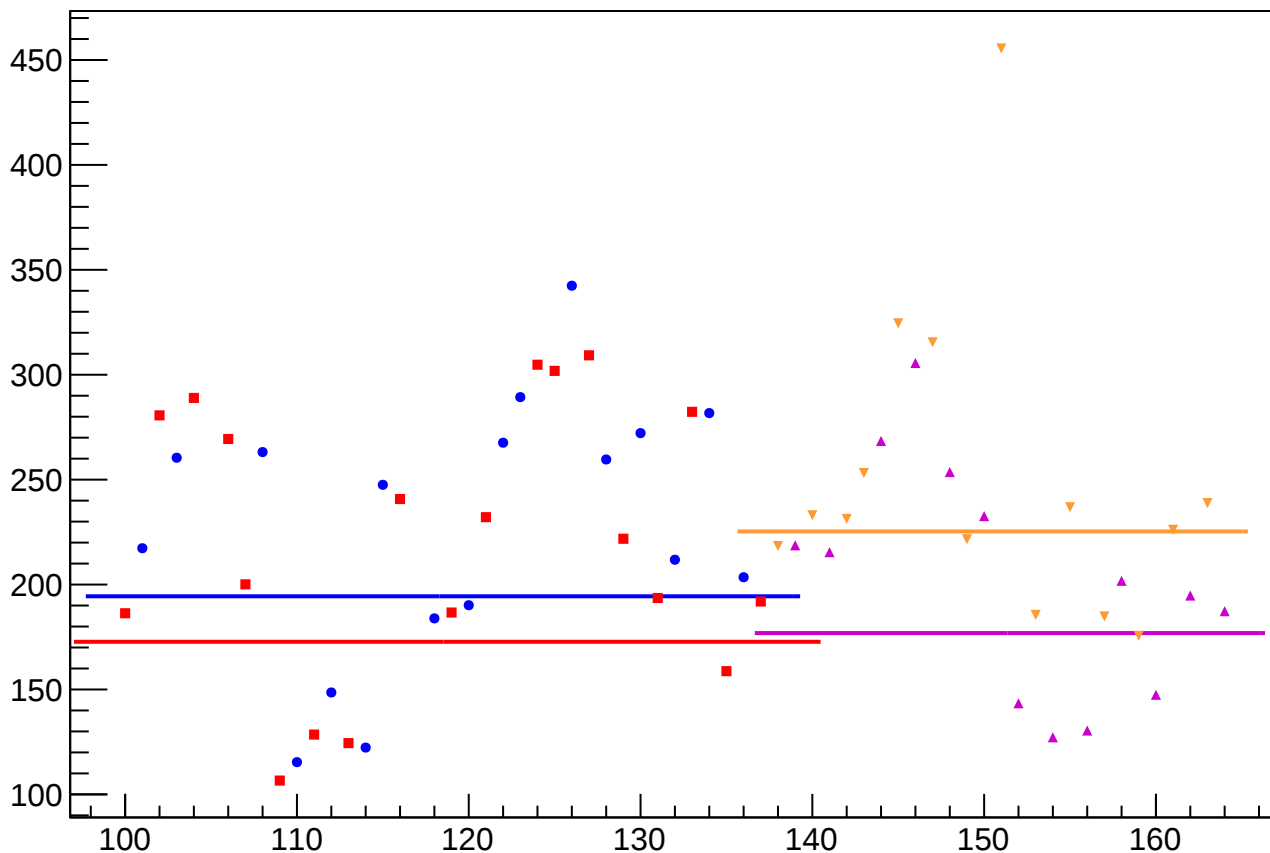
Right: 22.875+/-52.659 χ^2/NDF : 13.7/35

In: 54.510+/-47.329 χ^2/NDF : 12.8/29

Out: 11.955+/-50.417 χ^2/NDF : 10.0/32

All: 34.576+/-34.507 χ^2/NDF : 23.2/62

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: 176.886+/-0.042 χ^2/NDF : 1408858.1/12

Left: 196.226+/-0.032 χ^2/NDF : 2891482.1/26

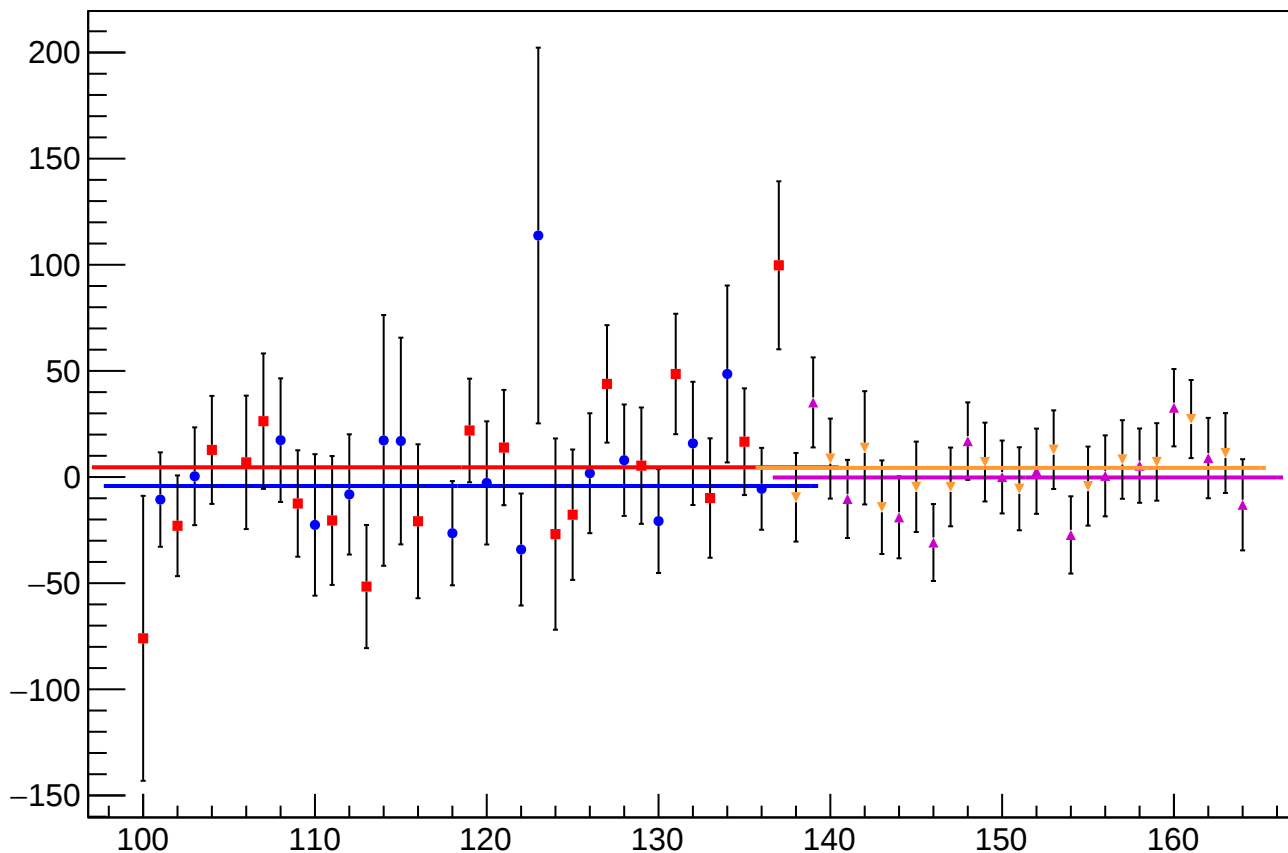
Right: 182.265+/-0.037 χ^2/NDF : 2700196.8/35

In: 183.112+/-0.033 χ^2/NDF : 2491581.0/29

Out: 198.310+/-0.036 χ^2/NDF : 3083703.3/32

All: 190.231+/-0.024 χ^2/NDF : 5671892.5/62

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: -0.205 ± 5.214 χ^2/NDF : 14.0/12

Left: 2.055 ± 3.689 χ^2/NDF : 18.5/26

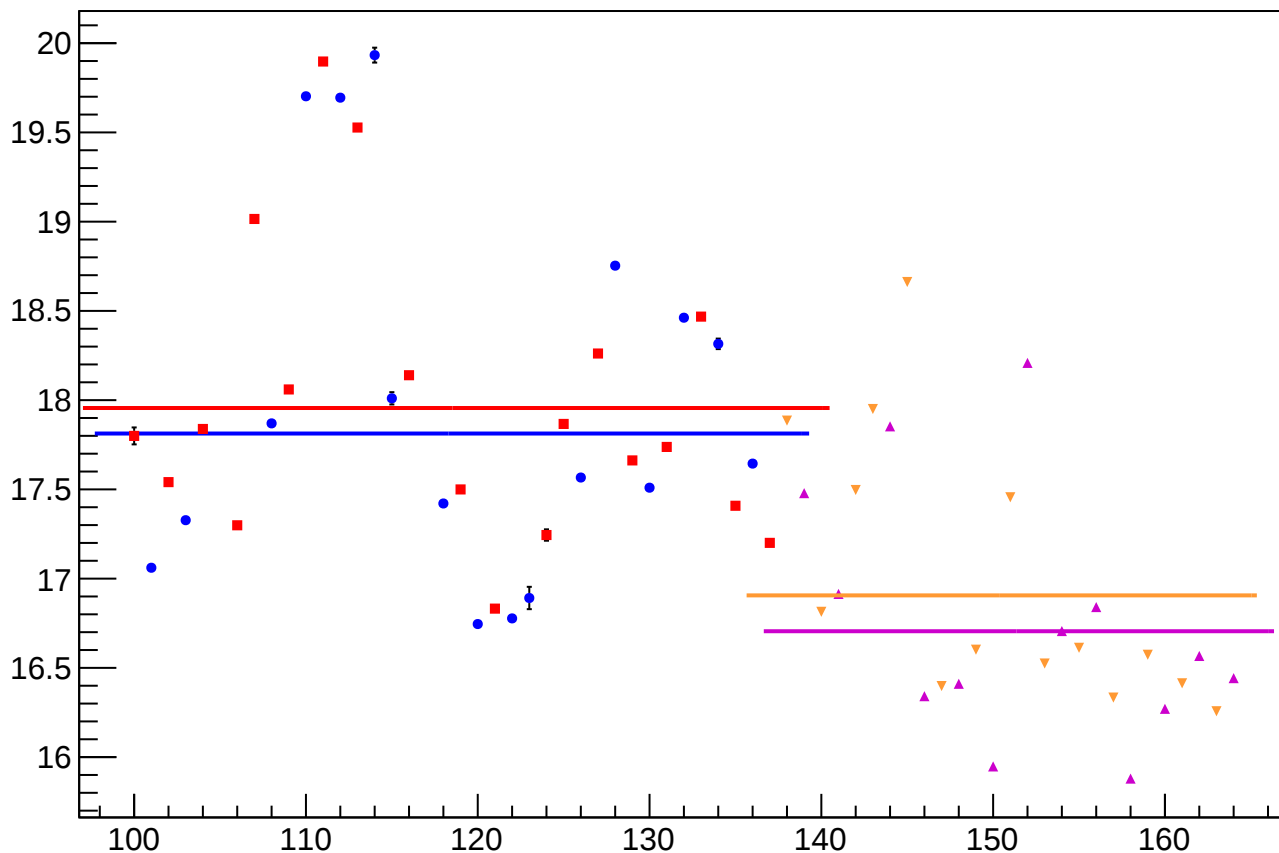
Right: 0.283 ± 4.806 χ^2/NDF : 29.9/35

In: -1.673 ± 4.154 χ^2/NDF : 22.2/29

Out: 4.425 ± 4.124 χ^2/NDF : 25.3/32

All: 1.398 ± 2.926 χ^2/NDF : 48.6/62

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.813 ± 0.005 $\chi^2/\text{NDF}: 32034.8/16$

Left Out: 16.906 ± 0.004 $\chi^2/\text{NDF}: 34870.7/13$

Right Out: 17.956 ± 0.005 $\chi^2/\text{NDF}: 25445.3/18$

Left In: 16.705 ± 0.004 $\chi^2/\text{NDF}: 32524.4/12$

Left: 16.806 ± 0.003 $\chi^2/\text{NDF}: 68876.8/26$

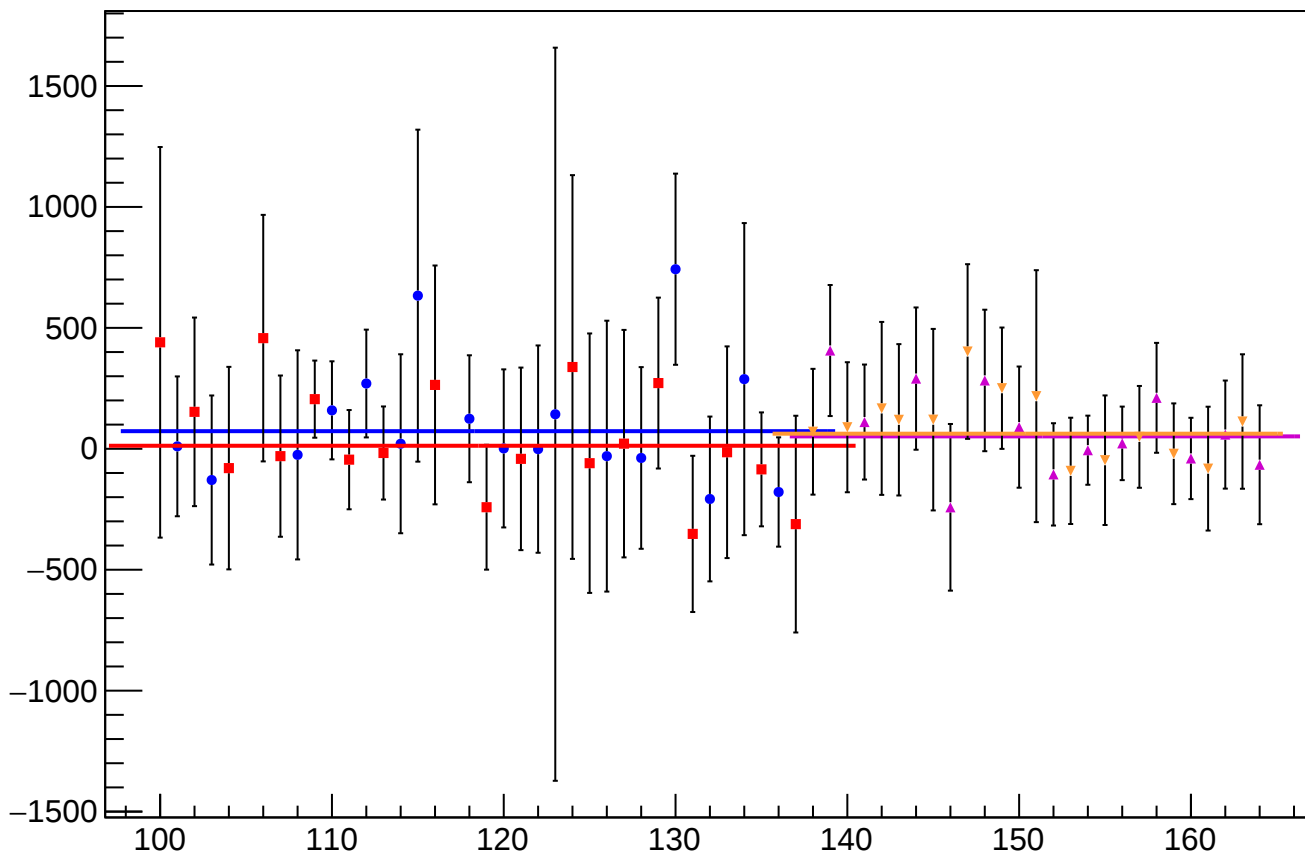
Right: 17.886 ± 0.003 $\chi^2/\text{NDF}: 57922.3/35$

In: 17.110 ± 0.003 $\chi^2/\text{NDF}: 97540.0/29$

Out: 17.301 ± 0.003 $\chi^2/\text{NDF}: 90729.8/32$

All: 17.206 ± 0.002 $\chi^2/\text{NDF}: 190394.8/62$

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: 51.343+/-59.251 χ^2/NDF : 5.6/12

Left: 55.780+/-45.915 χ^2/NDF : 8.4/26

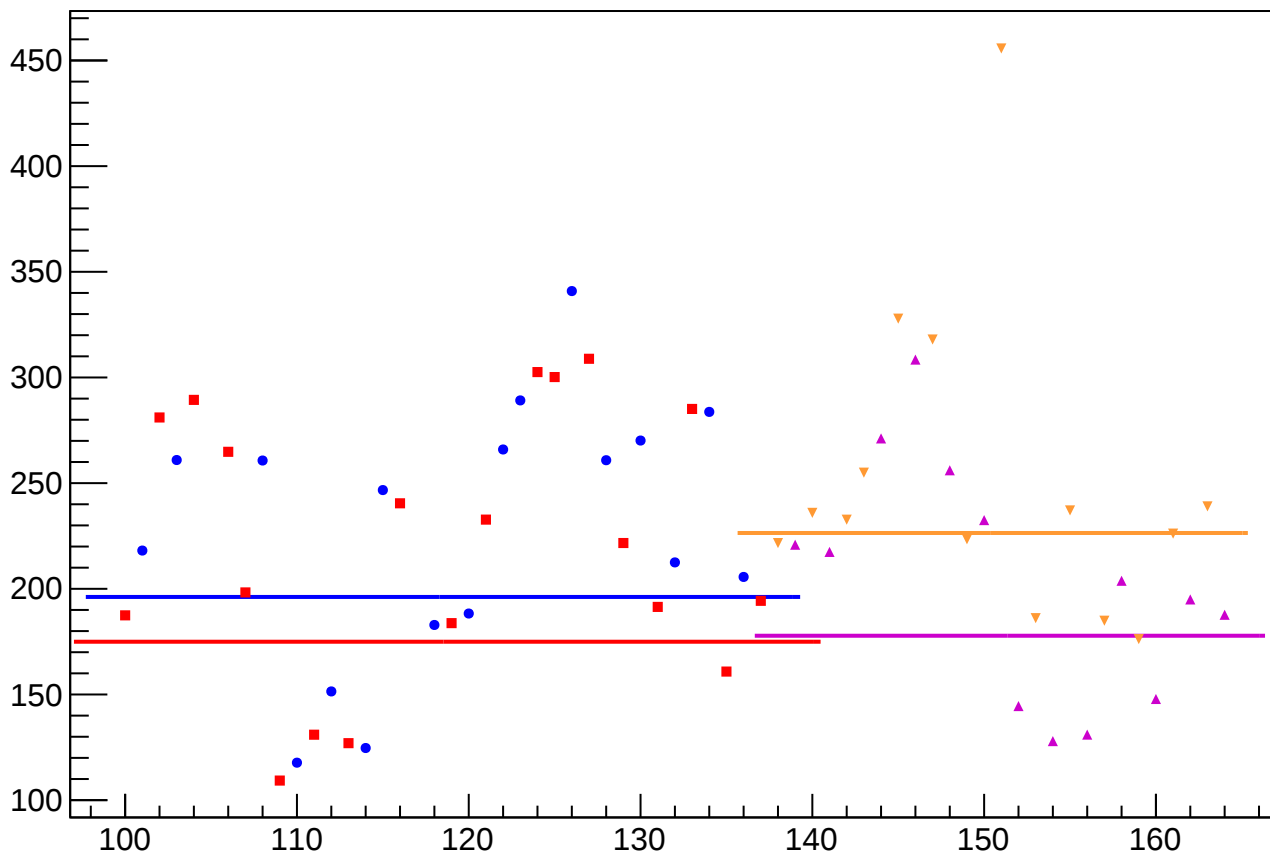
Right: 39.168+/-53.093 χ^2/NDF : 14.3/35

In: 58.981+/-47.603 χ^2/NDF : 12.8/29

Out: 36.940+/-50.781 χ^2/NDF : 9.8/32

All: 48.672+/-34.730 χ^2/NDF : 22.8/62

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: 177.797+/-0.042 χ^2/NDF : 1421166.0/12

Left: 197.220+/-0.032 χ^2/NDF : 2910706.9/26

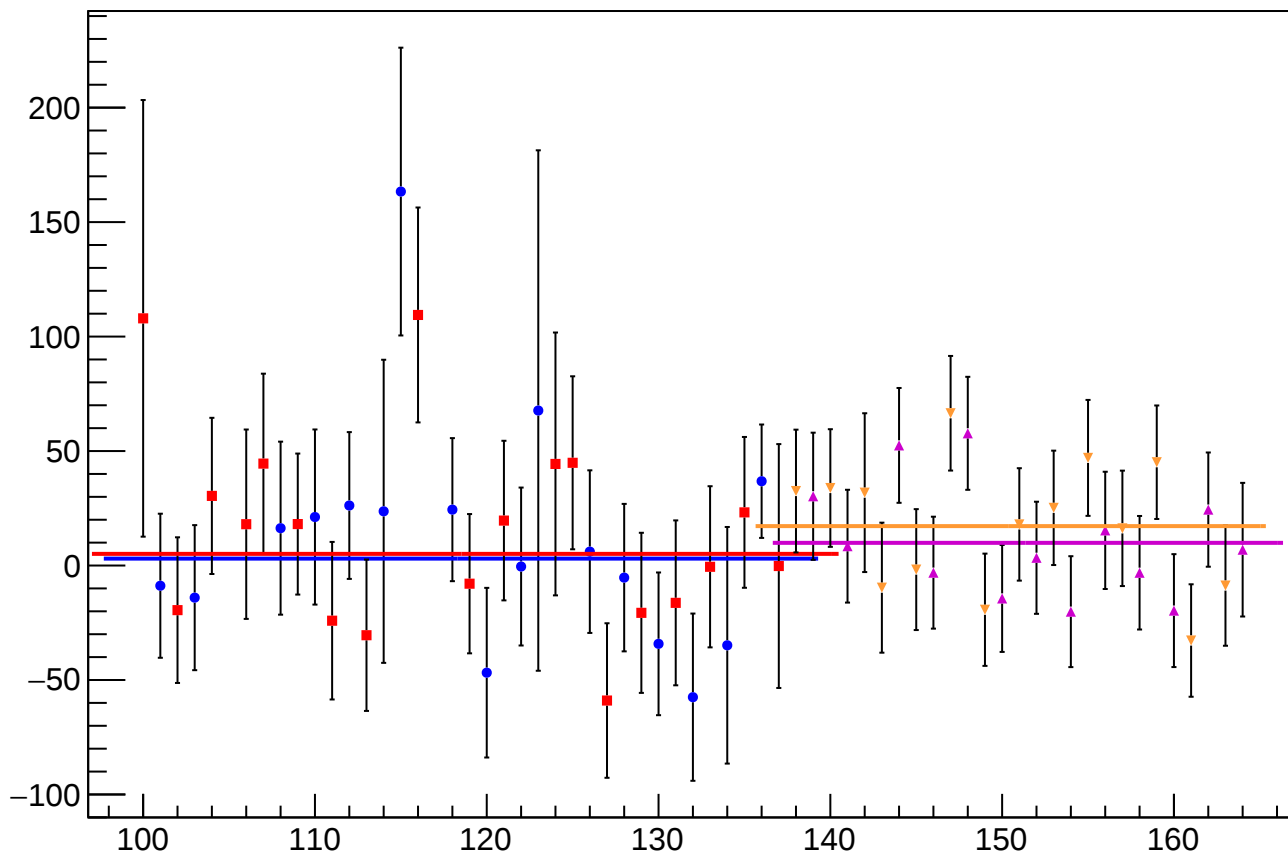
Right: 184.308+/-0.038 χ^2/NDF : 2554463.3/35

In: 184.304+/-0.034 χ^2/NDF : 2454203.3/29

Out: 200.107+/-0.036 χ^2/NDF : 2975546.6/32

All: 191.695+/-0.025 χ^2/NDF : 5532841.9/62

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.022 ± 8.751 χ^2/NDF : 17.2/16

Left Out: 17.214 ± 6.934 χ^2/NDF : 16.3/13

Right Out: 5.092 ± 8.477 χ^2/NDF : 17.2/18

Left In: 9.907 ± 6.962 χ^2/NDF : 12.3/12

Left: 13.575 ± 4.913 χ^2/NDF : 29.1/26

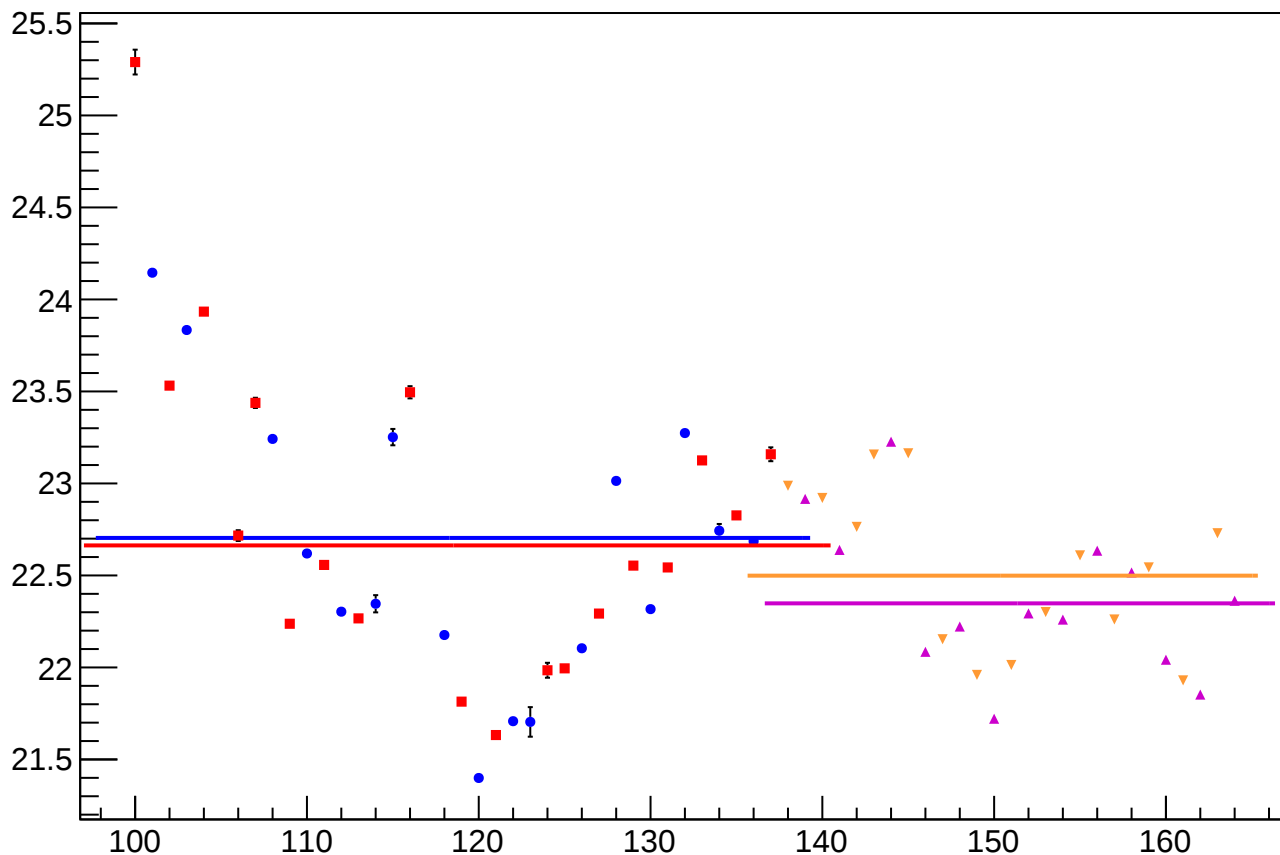
Right: 4.090 ± 6.089 χ^2/NDF : 34.4/35

In: 7.239 ± 5.448 χ^2/NDF : 29.8/29

Out: 12.355 ± 5.367 χ^2/NDF : 34.7/32

All: 9.835 ± 3.824 χ^2/NDF : 65.0/62

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: 22.348 $\pm$ 0.005 χ^2 /NDF: 6770.5/12

Left: 22.424 $\pm$ 0.003 χ^2 /NDF: 14611.5/26

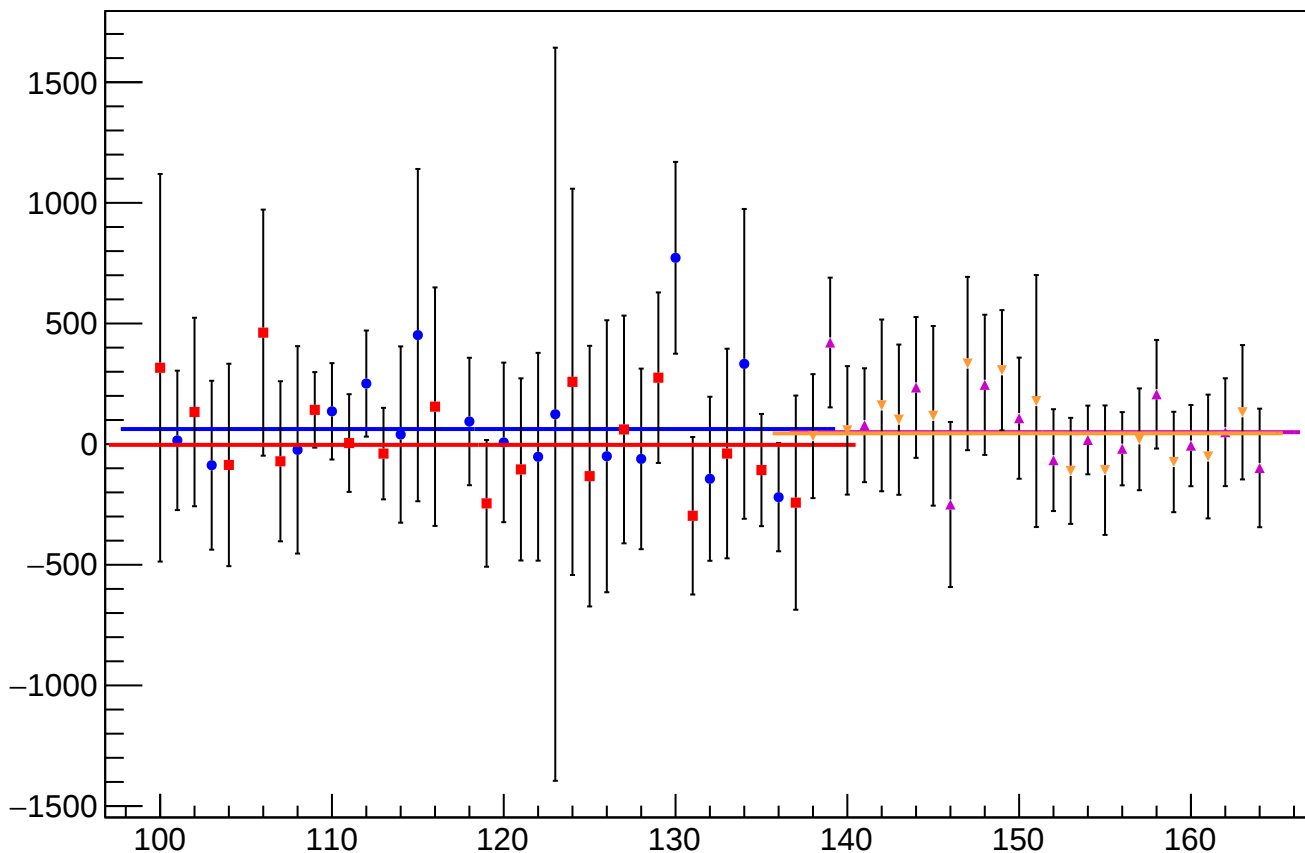
Right: 22.683 $\pm$ 0.004 χ^2 /NDF: 27071.5/35

In: 22.486 $\pm$ 0.004 χ^2 /NDF: 22899.0/29

Out: 22.565 $\pm$ 0.004 χ^2 /NDF: 20765.3/32

All: 22.526 $\pm$ 0.003 χ^2 /NDF: 43875.5/62

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: 49.665 $\pm$ 59.061 χ^2 /NDF:5.1/12

Left: 47.698 $\pm$ 45.778 χ^2 /NDF: 8.5/26

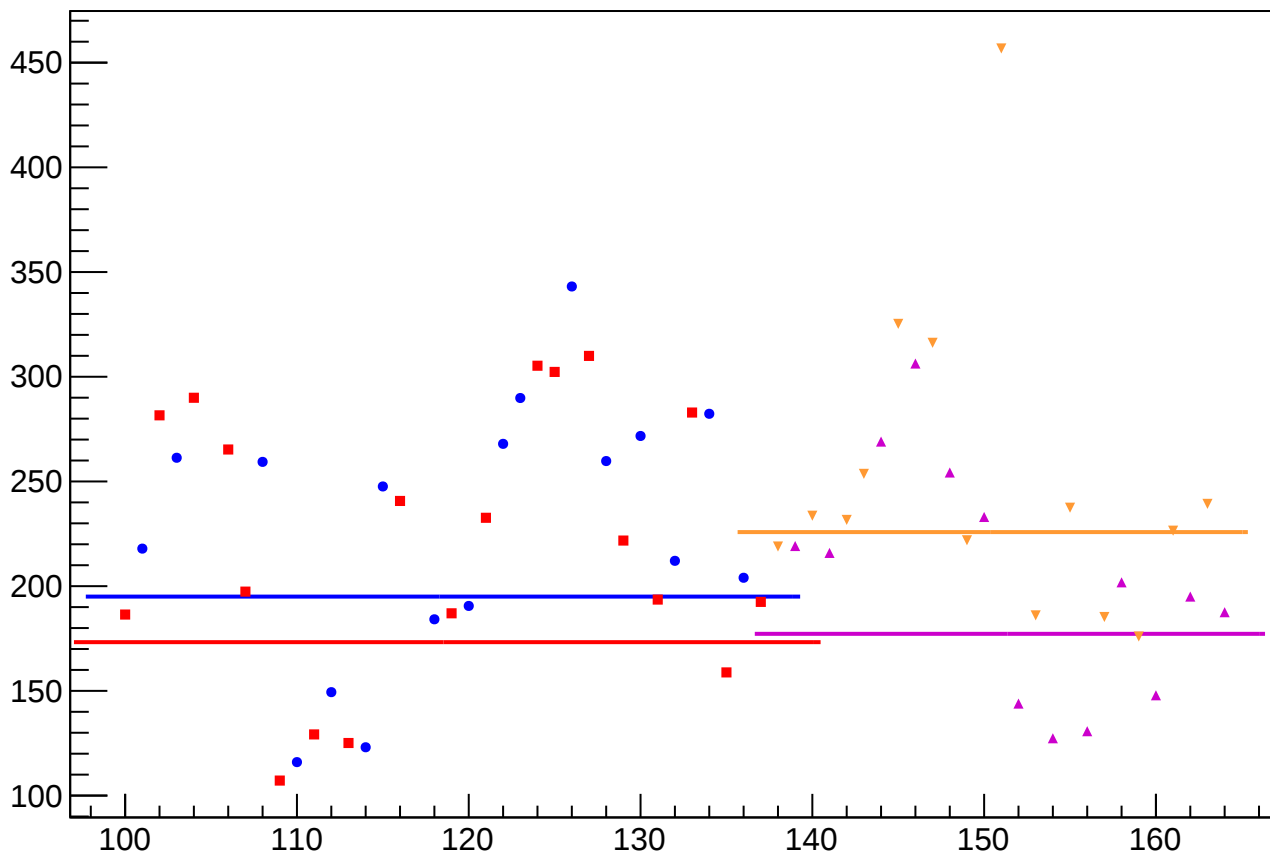
Right: 25.811 $\pm$ 52.785 χ^2 /NDF: 12.6/35

In: 54.248 $\pm$ 47.432 χ^2 /NDF:12.2/29

Out: 20.205 $\pm$ 50.533 χ^2 /NDF:8.9/32

All: 38.303 $\pm$ 34.584 χ^2 /NDF: 21.3/62

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.022 $\pm$ 0.056 χ^2 /NDF: 1004284.9/16

Left Out: 225.824 $\pm$ 0.051 χ^2 /NDF: 943390.4/13

Right Out: 173.262 $\pm$ 0.050 χ^2 /NDF: 1578202.7/18

Left In: 177.241 $\pm$ 0.042 χ^2 /NDF: 1408152.5/12

Left: 196.637 $\pm$ 0.032 χ^2 /NDF: 2891844.3/26

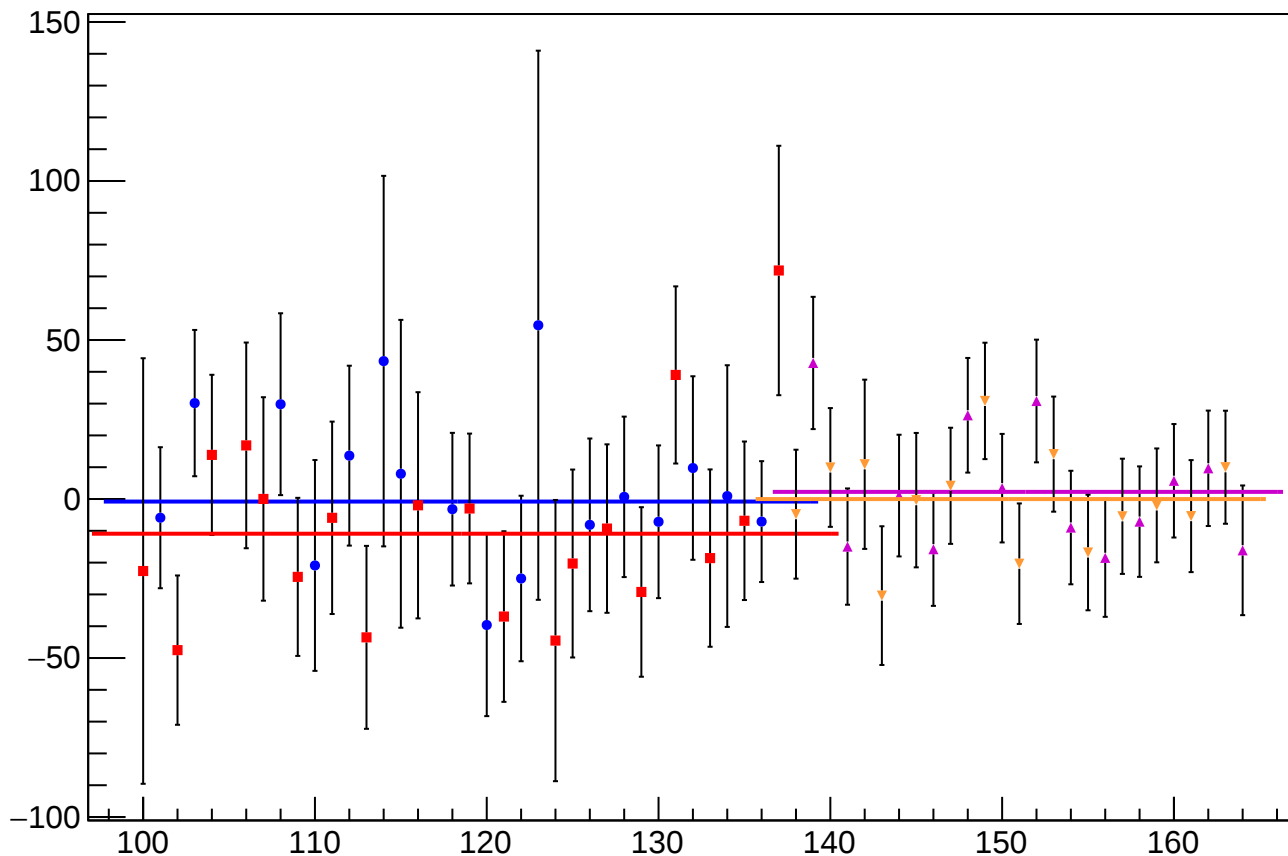
Right: 182.829 $\pm$ 0.037 χ^2 /NDF: 2666222.6/35

In: 183.554 $\pm$ 0.034 χ^2 /NDF: 2476797.4/29

Out: 198.833 $\pm$ 0.036 χ^2 /NDF: 3062172.4/32

All: 190.710 $\pm$ 0.024 χ^2 /NDF: 5636173.2/62

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.801 ± 6.770 $\chi^2/\text{NDF}: 7.8/16$

Left Out: -0.023 ± 5.099 $\chi^2/\text{NDF}: 8.5/13$

Right Out: -10.912 ± 6.626 $\chi^2/\text{NDF}: 15.9/18$

Left In: 2.245 ± 5.108 $\chi^2/\text{NDF}: 12.6/12$

Left: 1.109 ± 3.609 $\chi^2/\text{NDF}: 21.2/26$

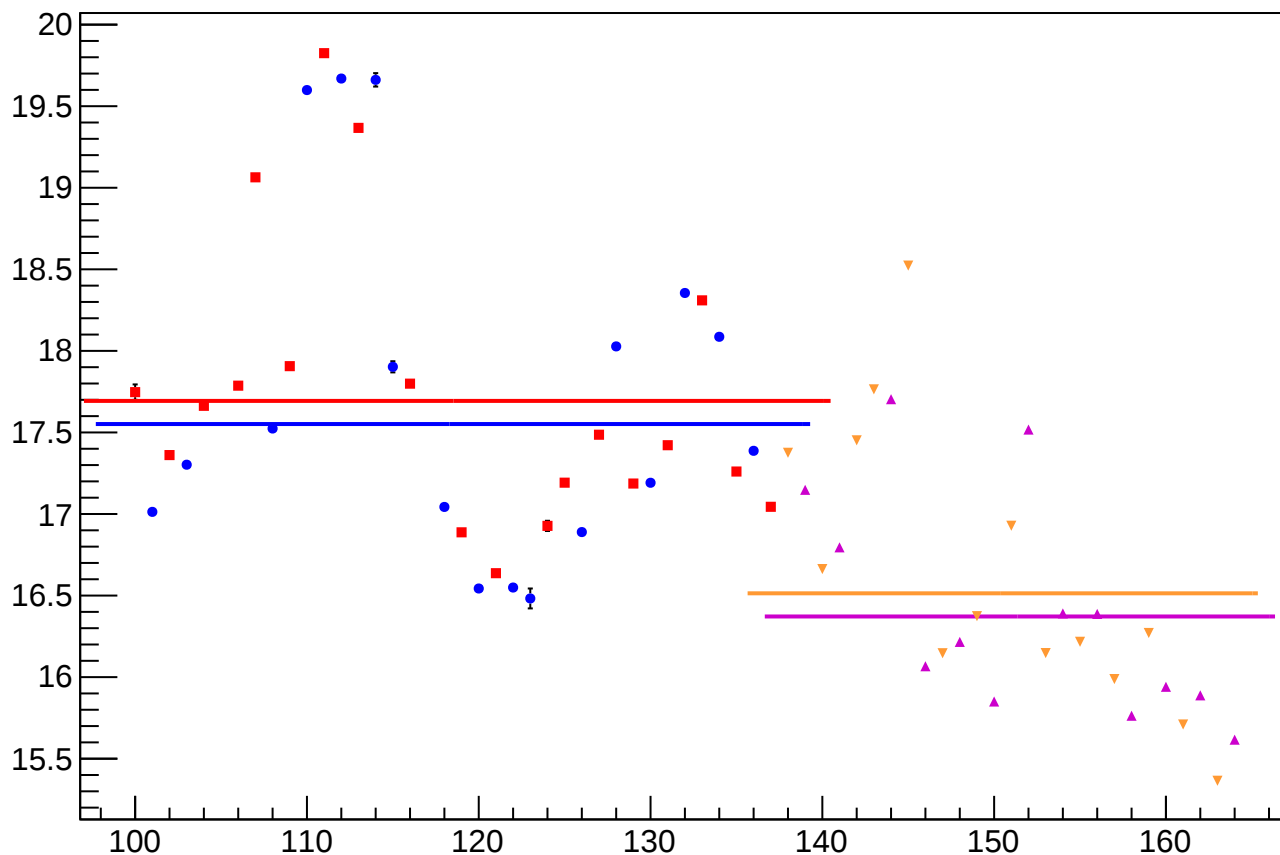
Right: -5.965 ± 4.735 $\chi^2/\text{NDF}: 24.8/35$

In: 1.140 ± 4.078 $\chi^2/\text{NDF}: 20.5/29$

Out: -4.072 ± 4.041 $\chi^2/\text{NDF}: 26.1/32$

All: -1.490 ± 2.870 $\chi^2/\text{NDF}: 47.5/62$

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: 16.372 $\pm$ 0.004 χ^2 /NDF:31001.5/12

Left: 16.443 $\pm$ 0.003 χ^2 /NDF: 80469.2/26

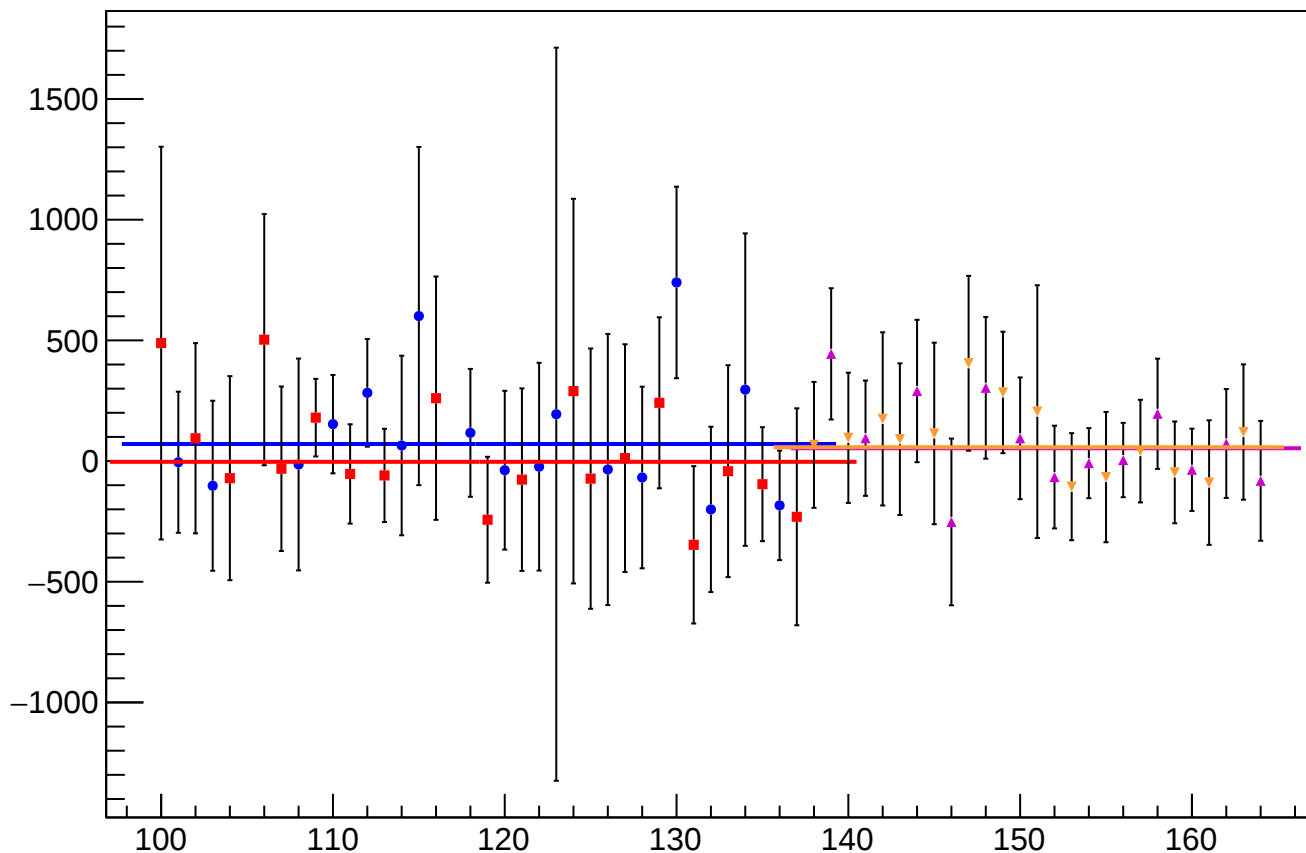
Right: 17.624 $\pm$ 0.003 χ^2 /NDF: 65217.7/35

In: 16.800 $\pm$ 0.003 χ^2 /NDF:103725.2/29

Out: 16.953 $\pm$ 0.003 χ^2 /NDF:119241.6/32

All: 16.877 $\pm$ 0.002 χ^2 /NDF: 224382.1/62

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 70.634 $\pm$ 80.409 χ^2 /NDF: 7.2/16

Left Out: 57.290 $\pm$ 73.146 χ^2 /NDF:3.4/13

Right Out: -3.063 $\pm$ 71.508 χ^2 /NDF: 6.2/18

Left In: 53.041 $\pm$ 59.834 χ^2 /NDF:5.8/12

Left: 54.744 $\pm$ 46.313 χ^2 /NDF: 9.2/26

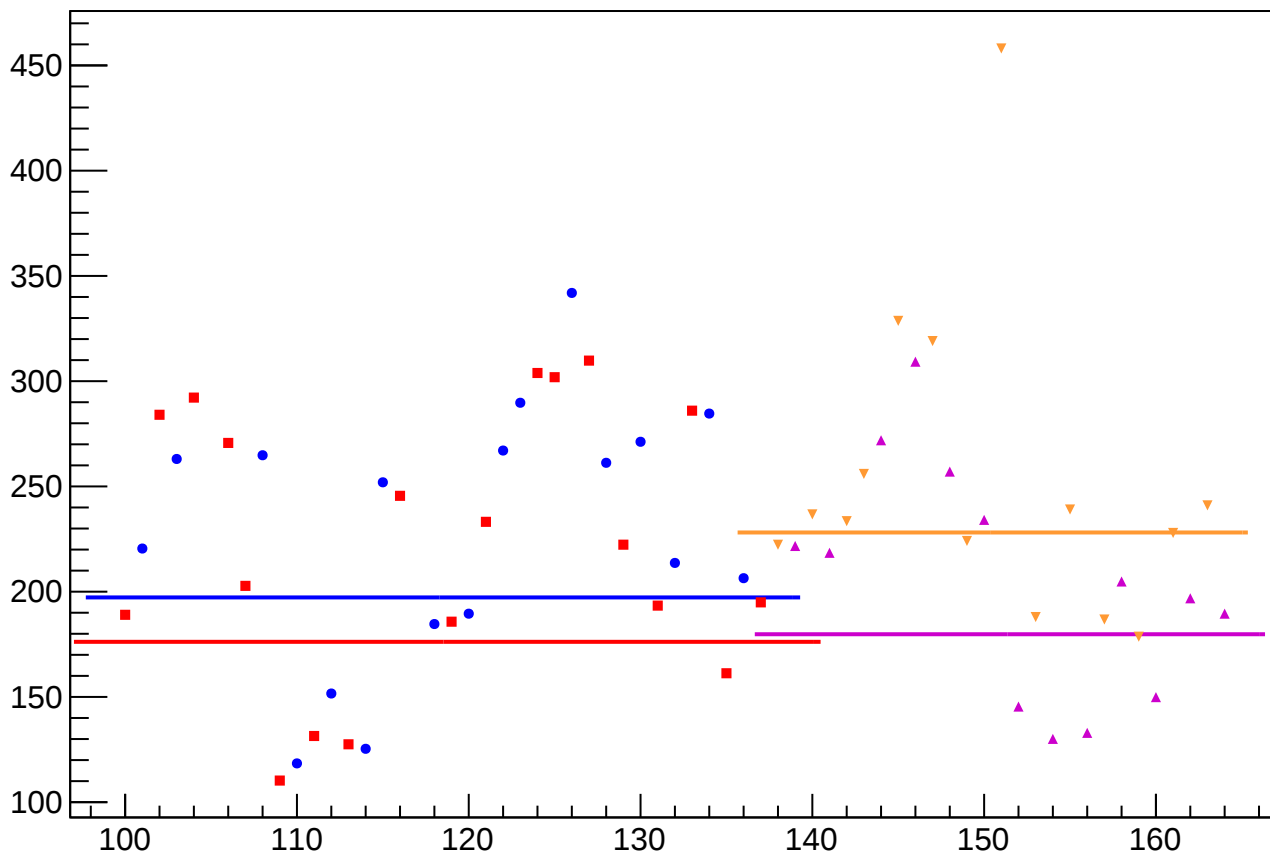
Right: 29.482 $\pm$ 53.435 χ^2 /NDF: 13.8/35

In: 59.311 $\pm$ 48.003 χ^2 /NDF:13.1/29

Out: 26.430 $\pm$ 51.133 χ^2 /NDF:9.9/32

All: 43.908 $\pm$ 34.997 χ^2 /NDF: 23.2/62

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: 179.783+/-0.042 χ^2/NDF : 1378861.2/12

Left: 199.163+/-0.033 χ^2/NDF : 2835461.5/26

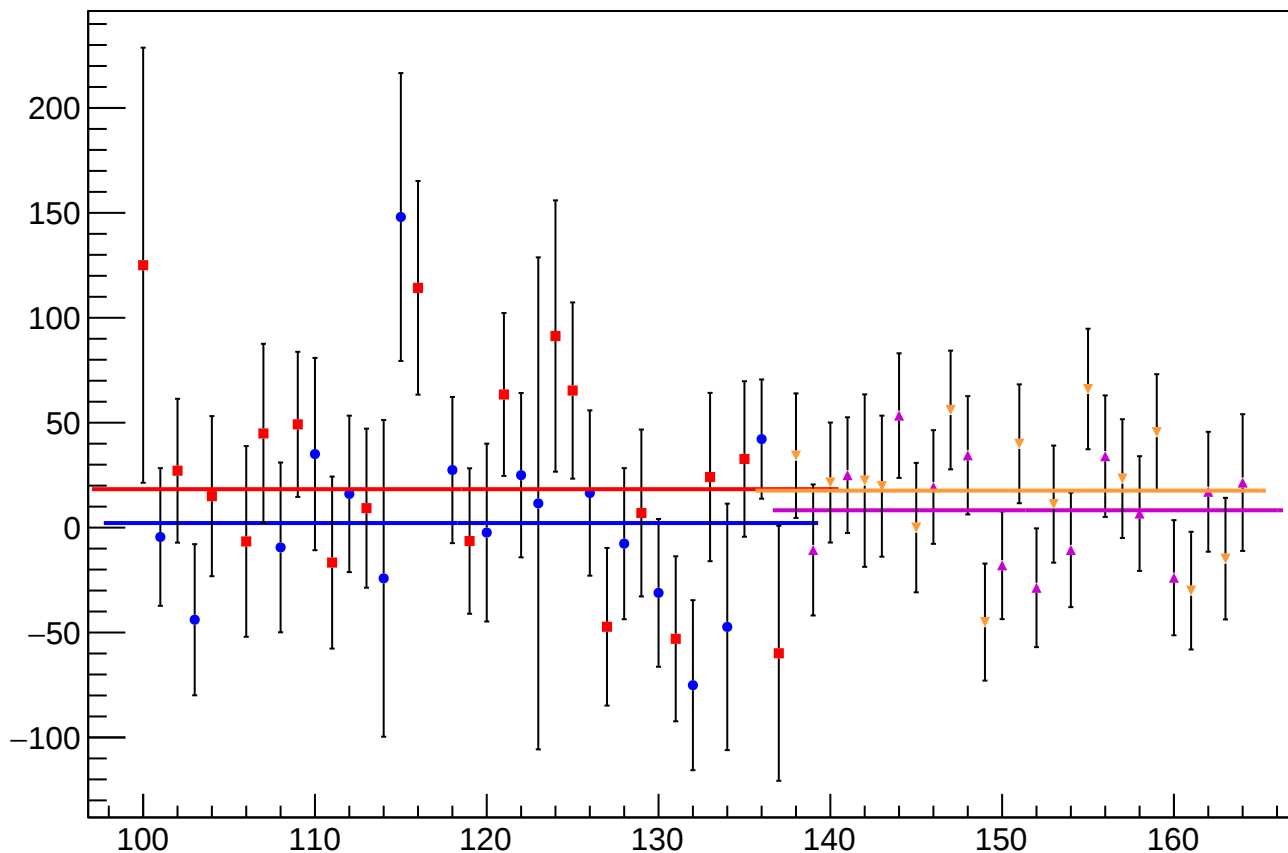
Right: 185.494+/-0.038 χ^2/NDF : 2566089.1/35

In: 186.015+/-0.034 χ^2/NDF : 2409302.8/29

Out: 201.564+/-0.036 χ^2/NDF : 2968666.8/32

All: 193.299+/-0.025 χ^2/NDF : 5476276.7/62

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: 8.254 ± 7.849 $\chi^2/\text{NDF}: 9.7/12$

Left: 12.936 ± 5.554 $\chi^2/\text{NDF}: 26.7/26$

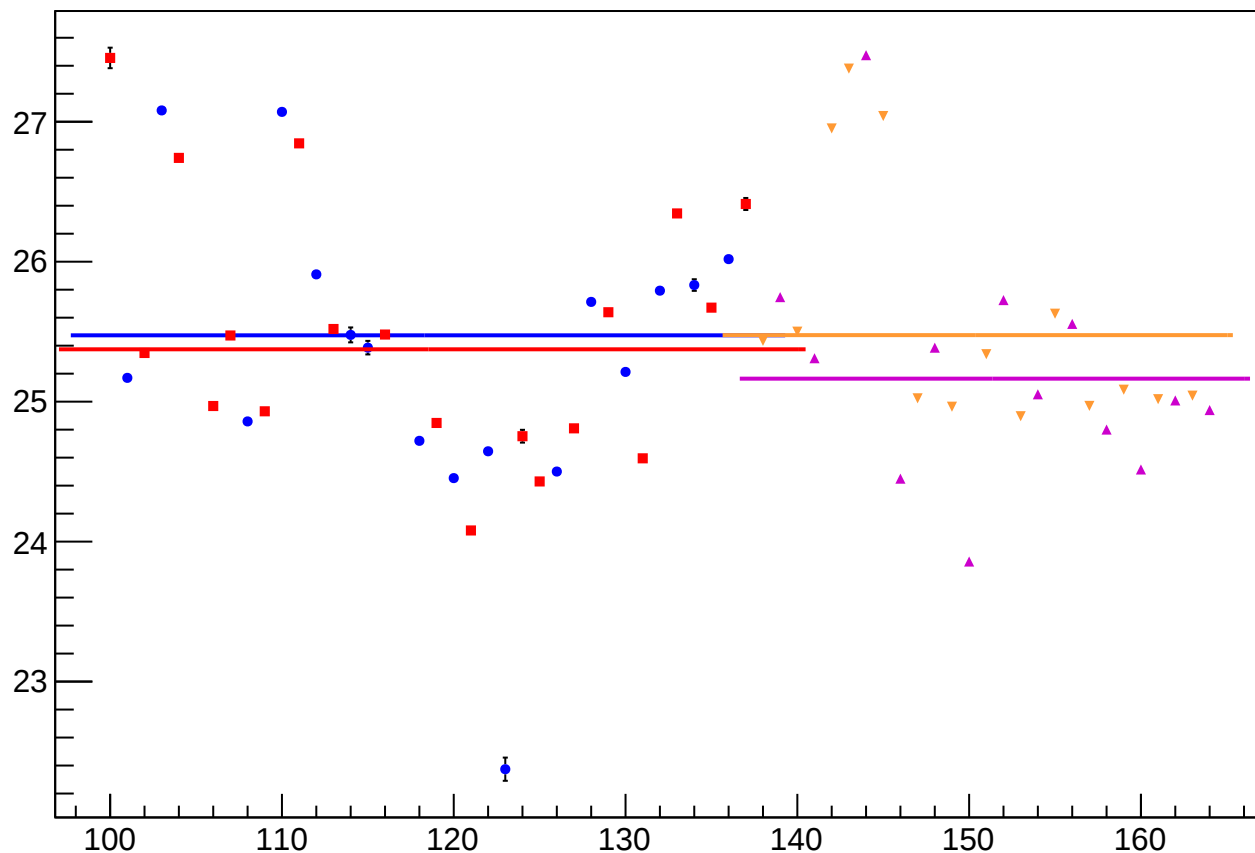
Right: 10.522 ± 6.828 $\chi^2/\text{NDF}: 36.4/35$

In: 5.887 ± 6.132 $\chi^2/\text{NDF}: 25.3/29$

Out: 17.910 ± 6.055 $\chi^2/\text{NDF}: 35.9/32$

All: 11.975 ± 4.309 $\chi^2/\text{NDF}: 63.2/62$

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: 25.164+/-0.006 χ^2/NDF :22375.5/12

Left: 25.320+/-0.004 χ^2/NDF : 42270.3/26

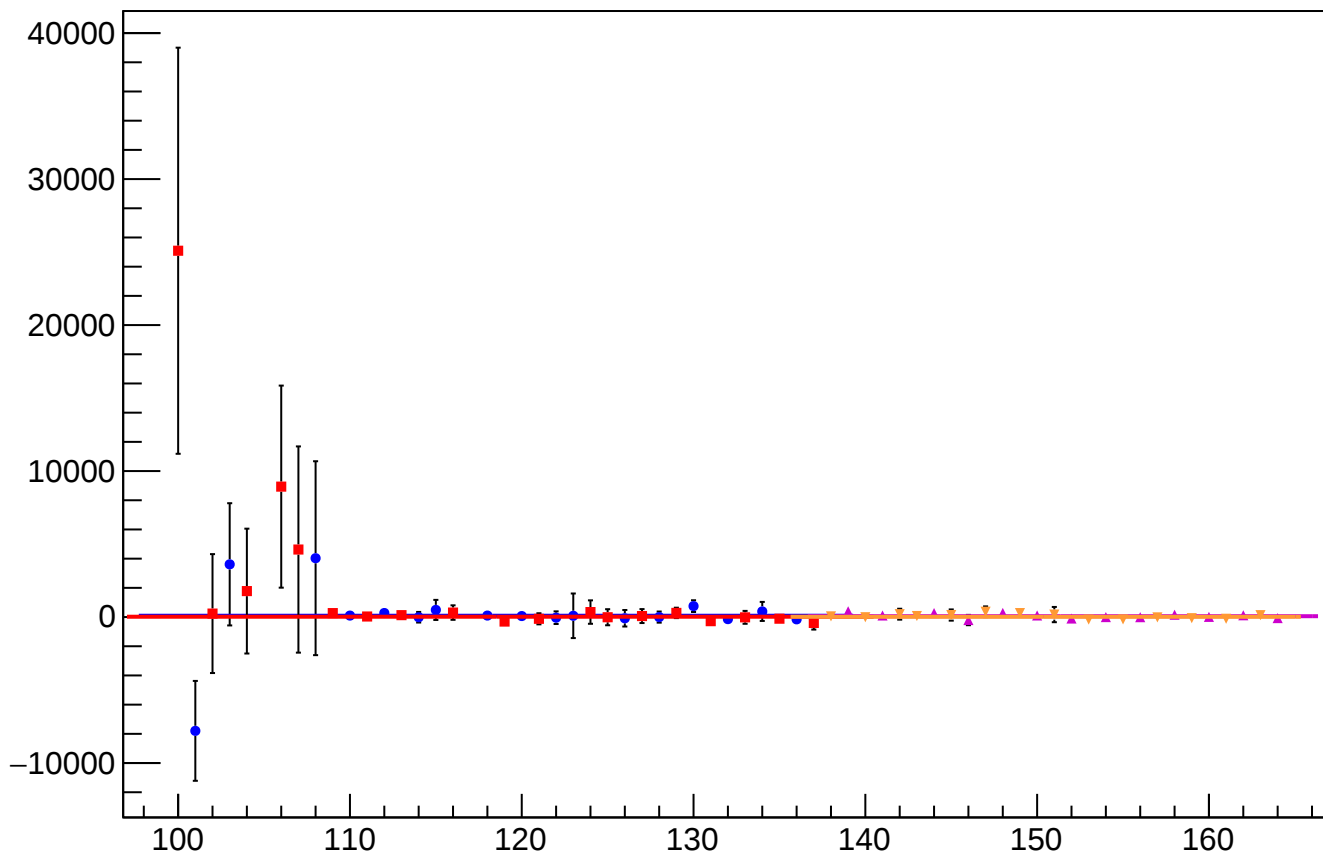
Right: 25.422+/-0.005 χ^2/NDF : 27749.4/35

In: 25.285+/-0.004 χ^2/NDF :37649.1/29

Out: 25.434+/-0.004 χ^2/NDF :32043.5/32

All: 25.360+/-0.003 χ^2/NDF : 70291.8/62

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: 58.470+/-60.629 χ^2/NDF : 4.8/12

Left: 42.344+/-46.945 χ^2/NDF : 9.1/26

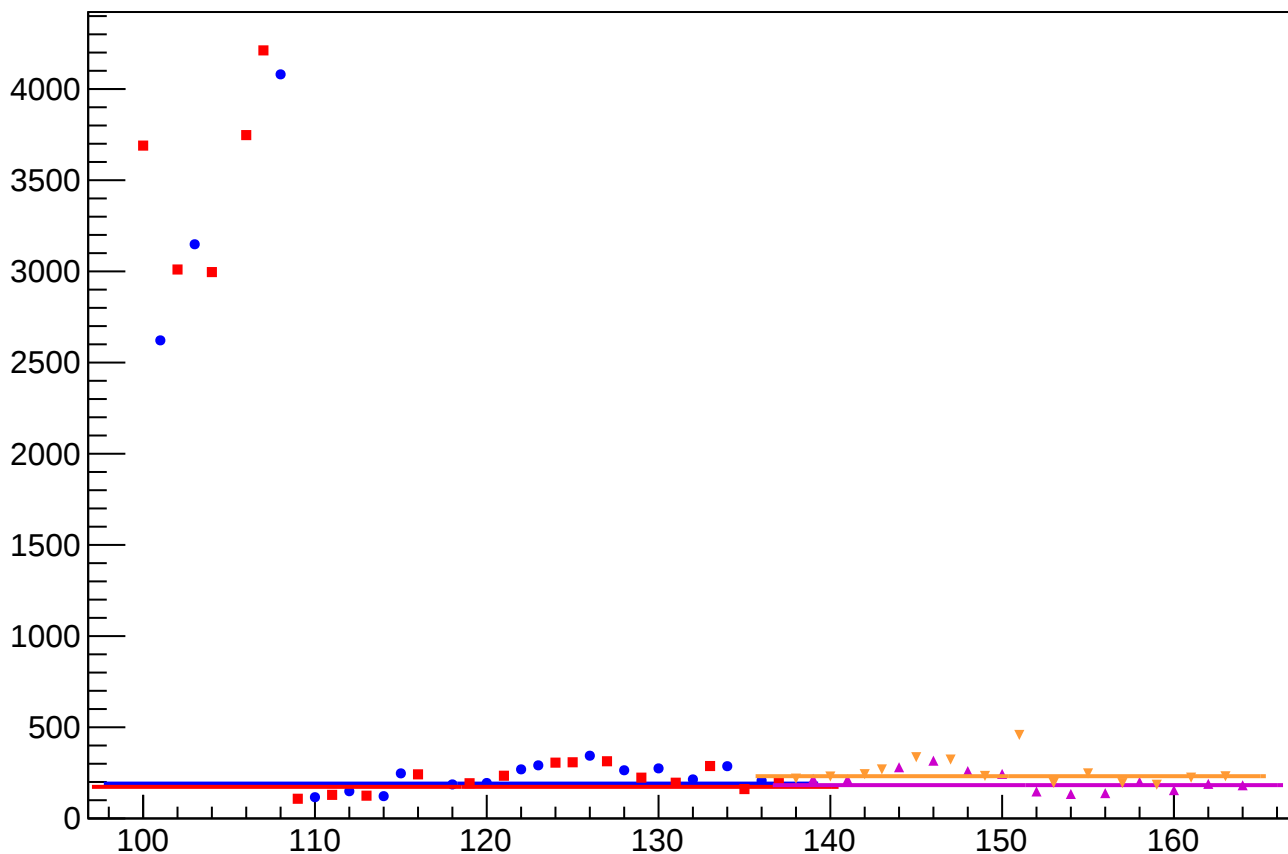
Right: 53.445+/-59.443 χ^2/NDF : 24.5/35

In: 68.554+/-49.859 χ^2/NDF : 17.2/29

Out: 20.217+/-54.677 χ^2/NDF : 16.0/32

All: 46.609+/-36.841 χ^2/NDF : 33.6/62

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: 182.739+/-0.043 χ^2/NDF : 1279964.1/12

Left: 202.369+/-0.033 χ^2/NDF : 2696893.3/26

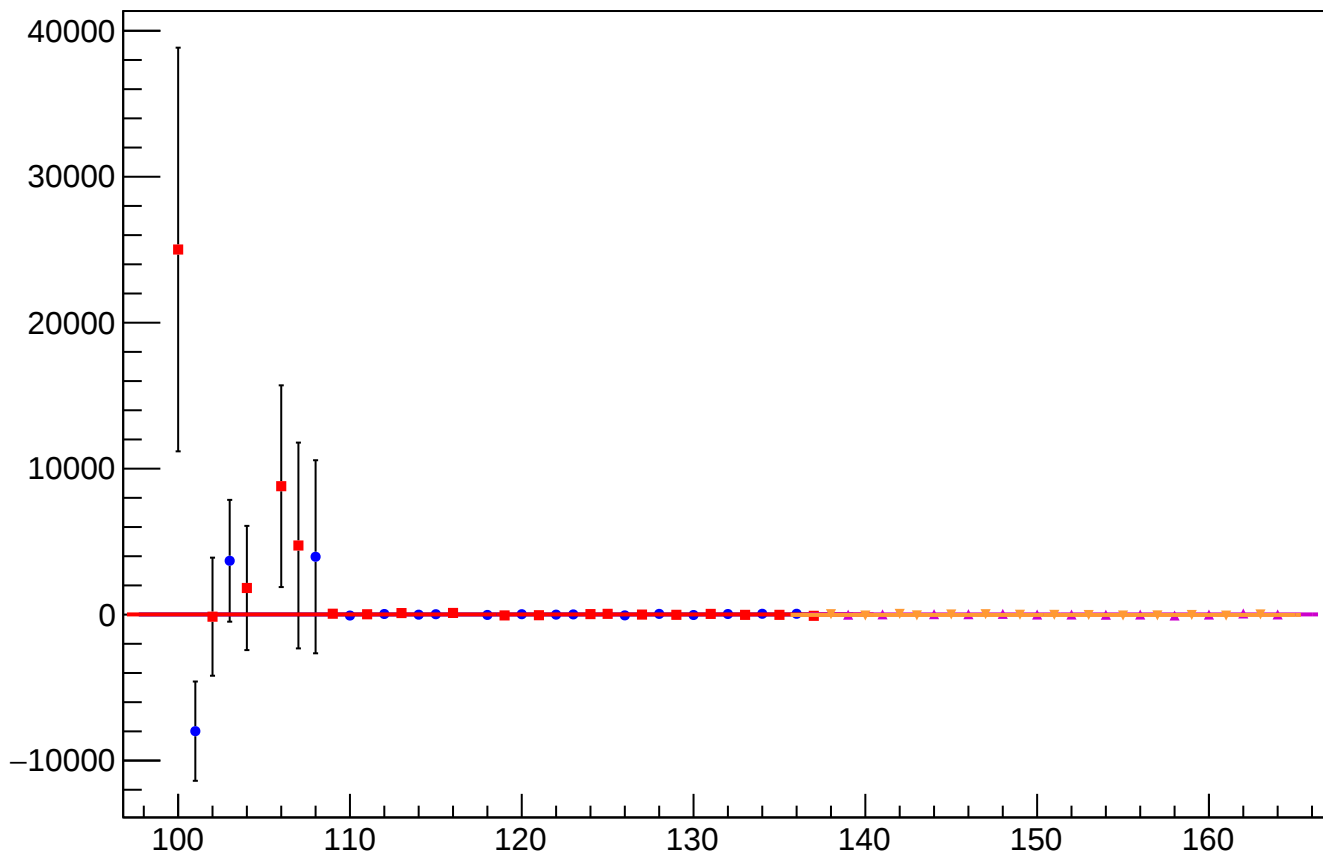
Right: 181.515+/-0.042 χ^2/NDF : 7824096.2/35

In: 185.475+/-0.035 χ^2/NDF : 4864291.6/29

Out: 205.042+/-0.039 χ^2/NDF : 5668439.5/32

All: 194.358+/-0.026 χ^2/NDF : 10672586.4/62

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: 13.343+/-9.127 χ^2/NDF :13.8/12

Left: -3.913+/-6.447 χ^2/NDF : 36.4/26

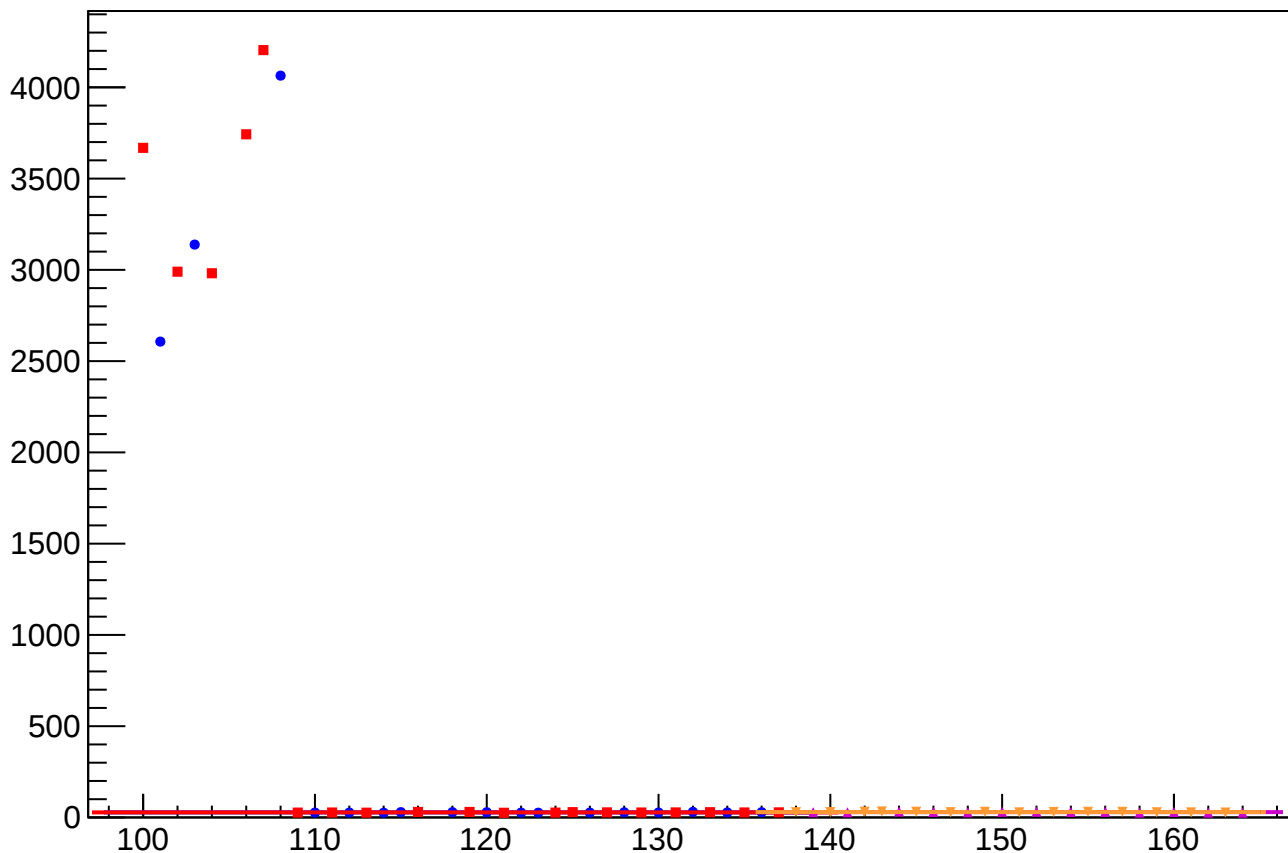
Right: 11.669+/-8.633 χ^2/NDF : 42.7/35

In: 12.285+/-7.306 χ^2/NDF :32.1/29

Out: -8.948+/-7.305 χ^2/NDF :44.8/32

All: 1.666+/-5.166 χ^2/NDF : 81.2/62

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.837 $\pm$ 0.009 χ^2 /NDF: 3026887.2/16

Left Out: 29.472 $\pm$ 0.006 χ^2 /NDF: 58020.5/13

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

Left In: 29.181 $\pm$ 0.006 χ^2 /NDF: 93772.1/12

Left: 29.327 $\pm$ 0.005 χ^2 /NDF: 152813.8/26

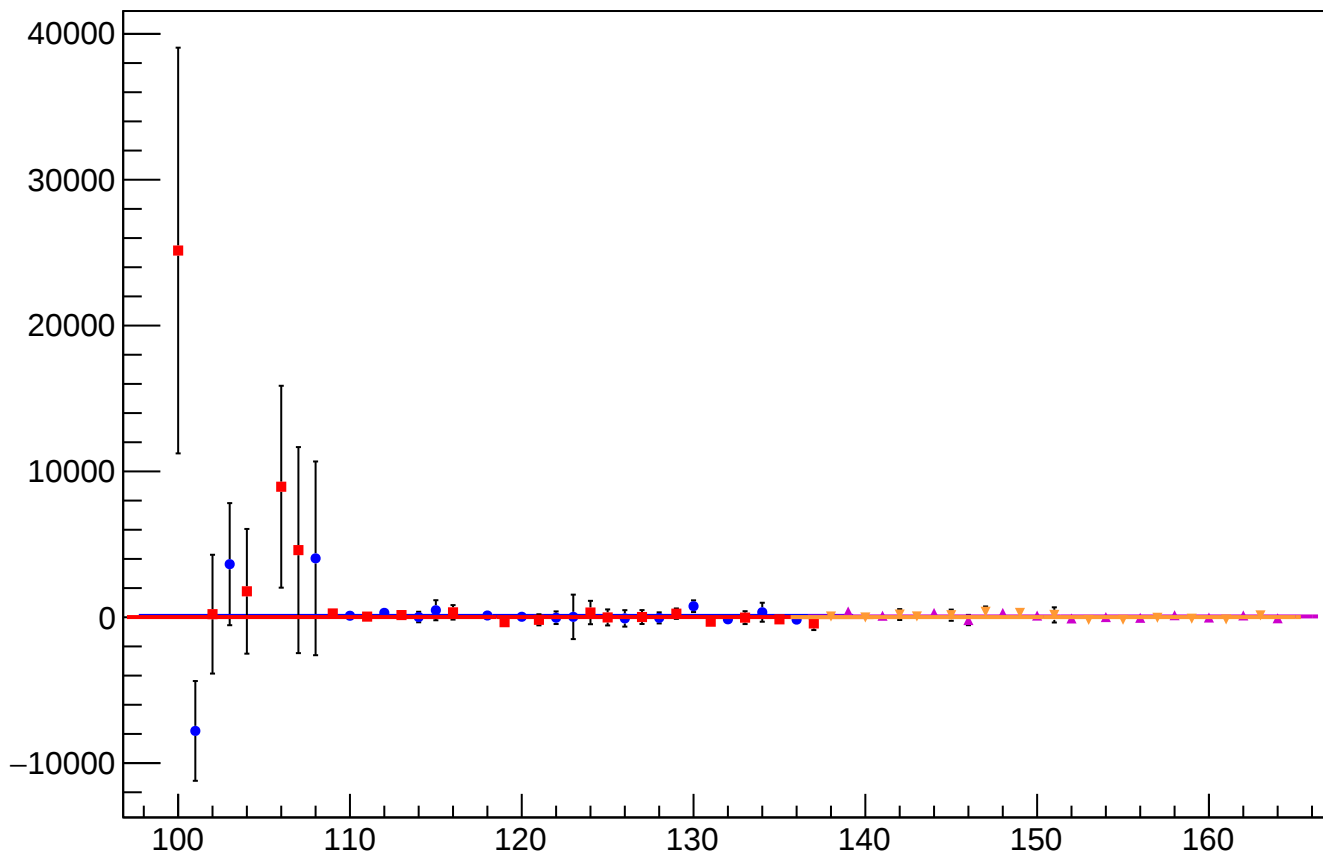
Right: 27.765 $\pm$ 0.006 χ^2 /NDF: 6503824.5/35

In: 28.698 $\pm$ 0.005 χ^2 /NDF: 3136245.1/29

Out: 28.838 $\pm$ 0.005 χ^2 /NDF: 3562025.4/32

All: 28.768 $\pm$ 0.004 χ^2 /NDF: 6698636.1/62

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 92.840 $\pm$ 87.359 χ^2 /NDF: 12.6/16

Left Out: 10.645 $\pm$ 74.021 χ^2 /NDF: 4.7/13

Right Out: 12.772 $\pm$ 80.640 χ^2 /NDF: 12.7/18

Left In: 56.460 $\pm$ 60.513 χ^2 /NDF: 5.0/12

Left: 38.107 $\pm$ 46.850 χ^2 /NDF: 9.9/26

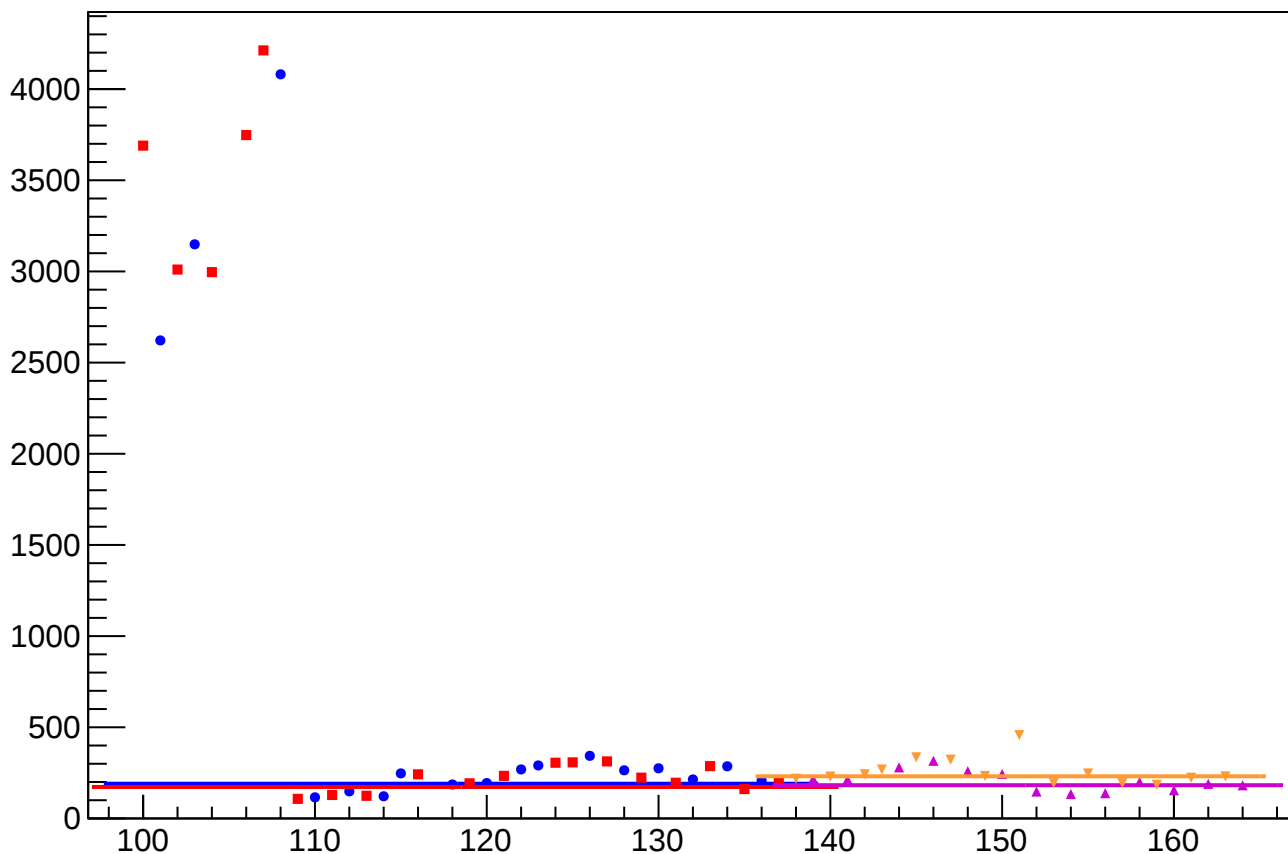
Right: 49.609 $\pm$ 59.254 χ^2 /NDF: 25.7/35

In: 68.256 $\pm$ 49.744 χ^2 /NDF: 17.7/29

Out: 11.618 $\pm$ 54.531 χ^2 /NDF: 17.4/32

All: 42.531 $\pm$ 36.750 χ^2 /NDF: 35.7/62

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: 182.391+/-0.043 χ^2/NDF : 1280222.7/12

Left: 201.964+/-0.033 χ^2/NDF : 2695888.6/26

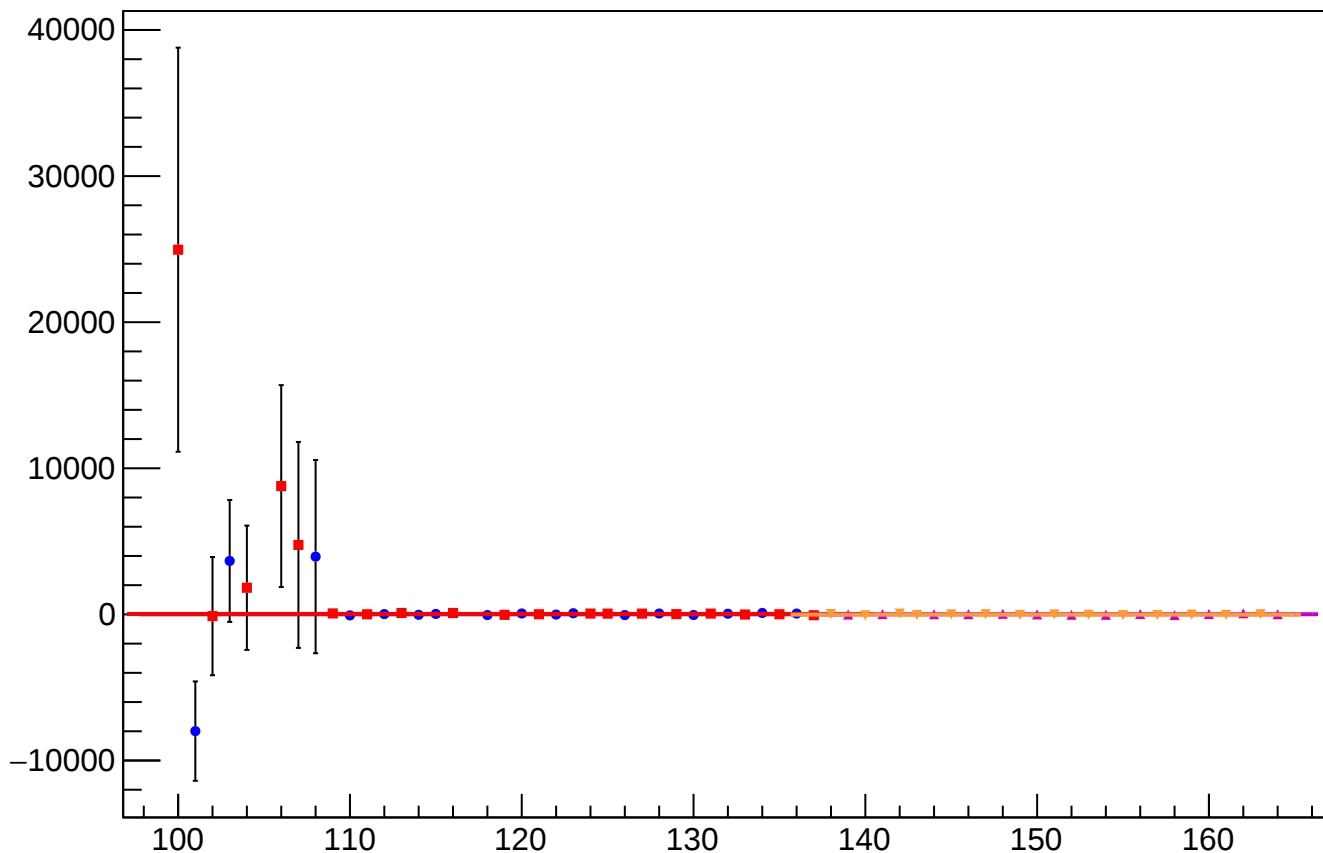
Right: 180.829+/-0.042 χ^2/NDF : 7847214.0/35

In: 185.016+/-0.035 χ^2/NDF : 4875398.4/29

Out: 204.431+/-0.039 χ^2/NDF : 5685885.9/32

All: 193.834+/-0.026 χ^2/NDF : 10699660.4/62

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: 11.259+/-9.191 χ^2/NDF : 12.7/12

Left: -2.404+/-6.497 χ^2/NDF : 27.0/26

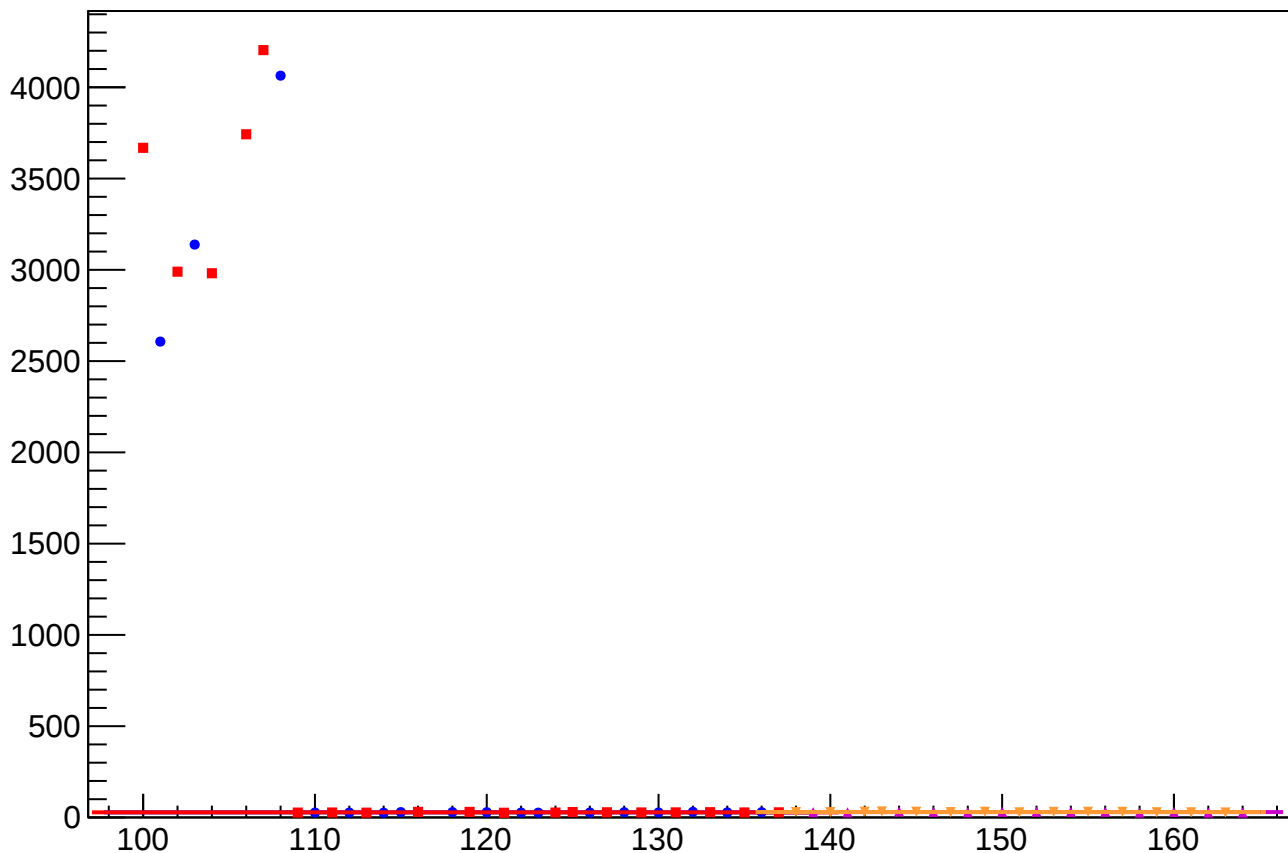
Right: 19.569+/-8.698 χ^2/NDF : 41.1/35

In: 10.663+/-7.357 χ^2/NDF : 35.9/29

Out: 0.255+/-7.366 χ^2/NDF : 35.3/32

All: 5.465+/-5.205 χ^2/NDF : 72.2/62

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: 29.391+/-0.006 χ^2/NDF : 91822.7/12

Left: 29.556+/-0.005 χ^2/NDF : 151317.7/26

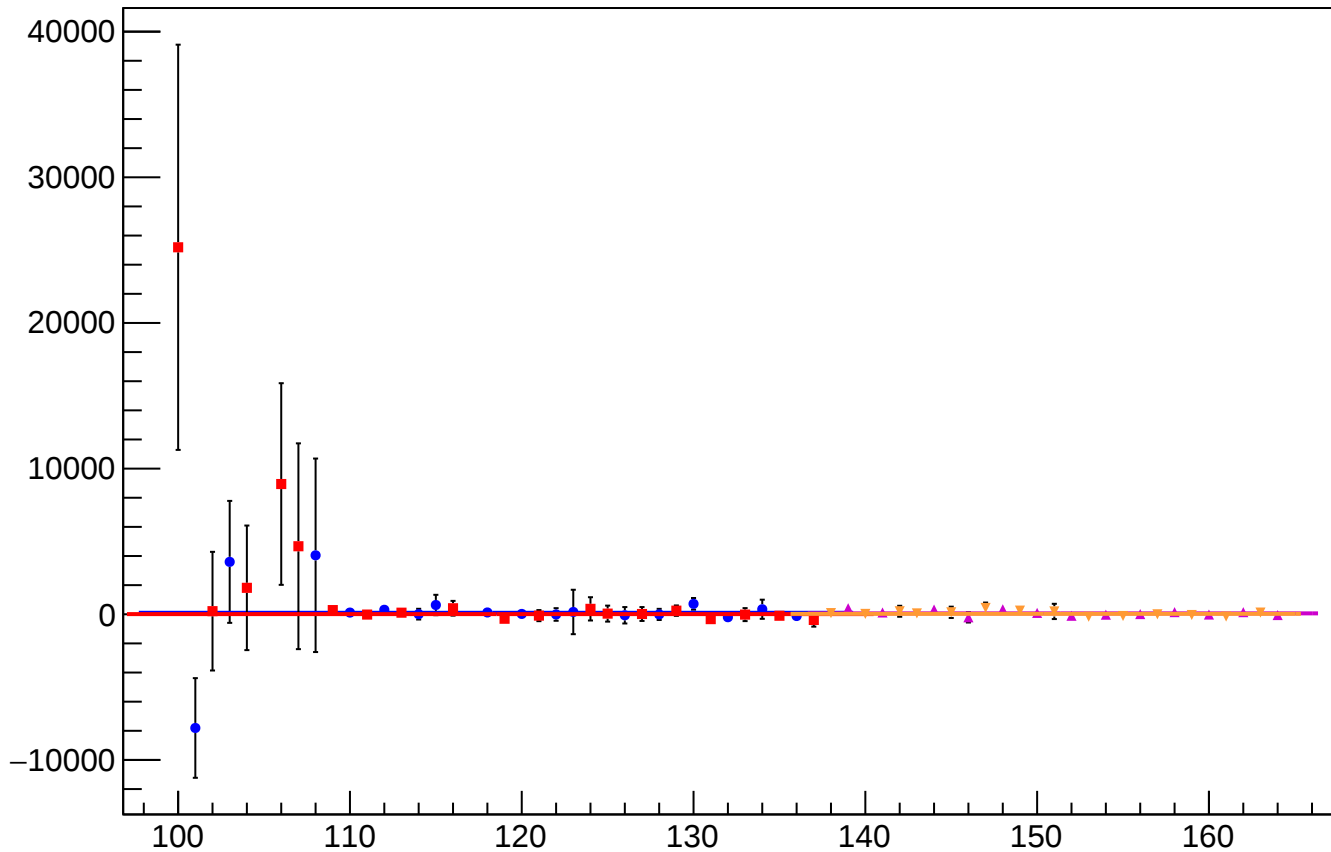
Right: 27.970+/-0.006 χ^2/NDF : 6506687.7/35

In: 28.899+/-0.005 χ^2/NDF : 3134740.5/29

Out: 29.077+/-0.005 χ^2/NDF : 3565362.4/32

All: 28.988+/-0.004 χ^2/NDF : 6700688.4/62

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: 62.353 $\pm$ 61.398 χ^2 /NDF:5.7/12

Left: 49.437 $\pm$ 47.479 χ^2 /NDF: 9.9/26

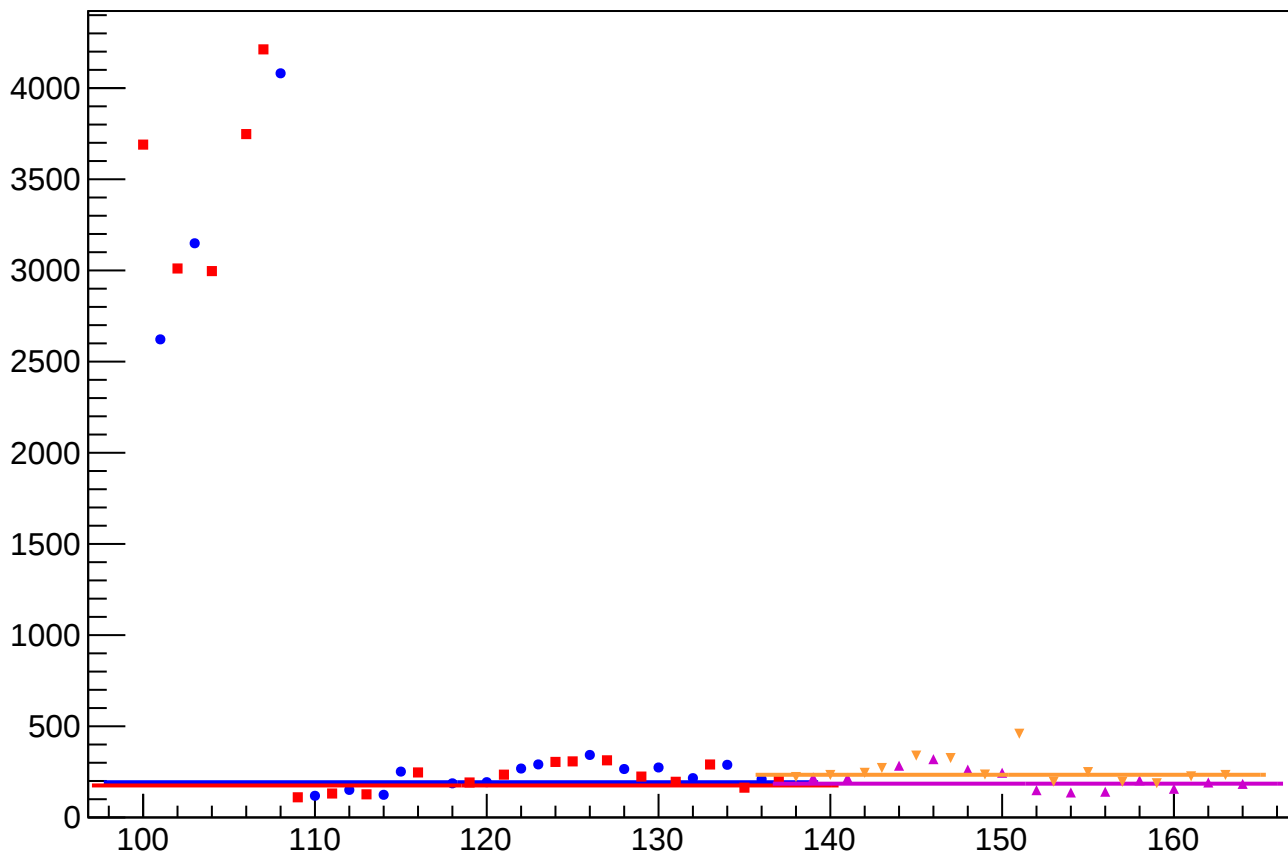
Right: 52.959 $\pm$ 60.008 χ^2 /NDF: 25.2/35

In: 75.183 $\pm$ 50.426 χ^2 /NDF:18.2/29

Out: 21.556 $\pm$ 55.211 χ^2 /NDF:16.4/32

All: 50.793 $\pm$ 37.234 χ^2 /NDF: 35.2/62

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: 185.262+/-0.043 χ^2/NDF : 1254591.0/12

Left: 204.880+/-0.034 χ^2/NDF : 2646356.3/26

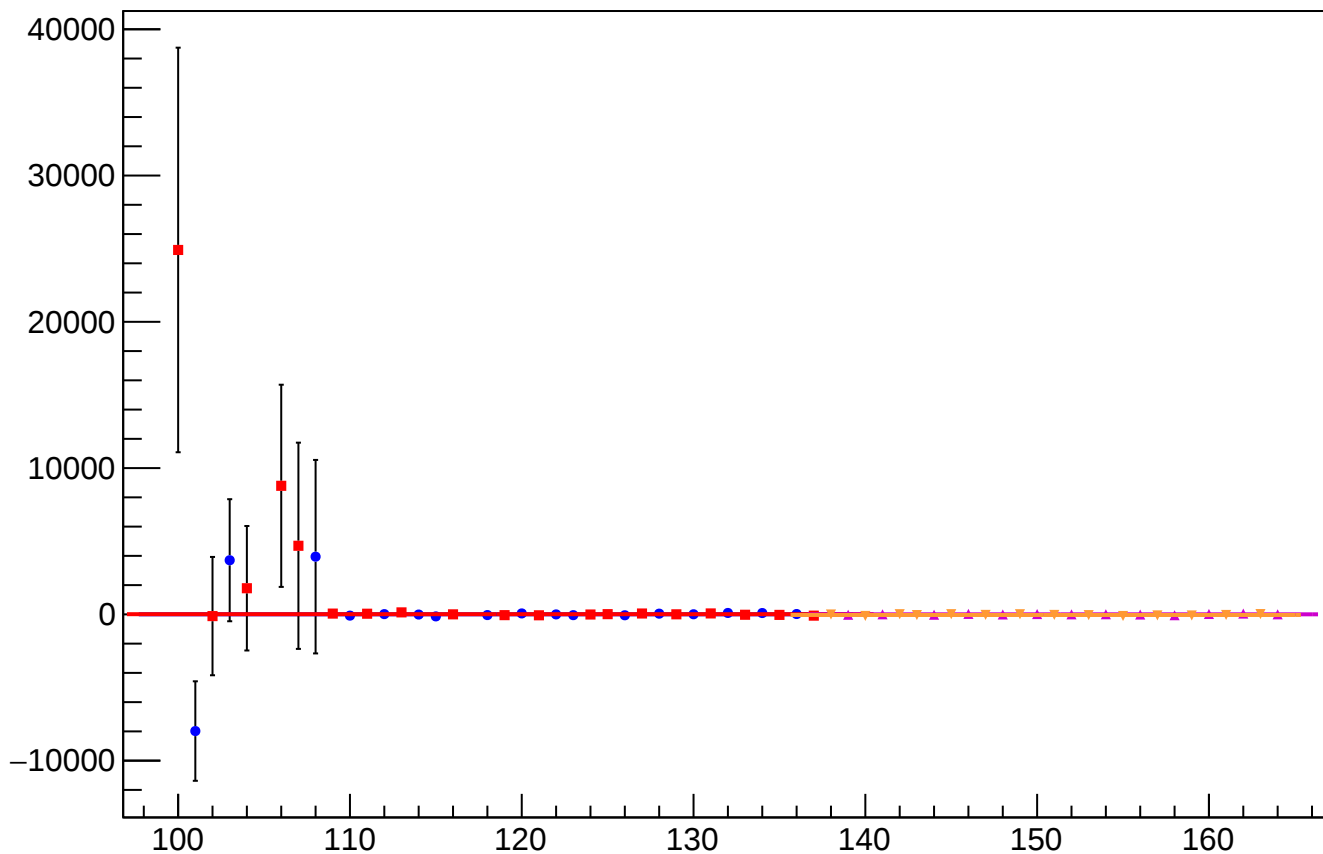
Right: 183.645+/-0.042 χ^2/NDF : 7744773.8/35

In: 187.843+/-0.036 χ^2/NDF : 4801566.4/29

Out: 207.328+/-0.039 χ^2/NDF : 5607767.3/32

All: 196.704+/-0.026 χ^2/NDF : 10545147.9/62

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: 3.542+/-10.882 χ^2/NDF : 7.1/12

Left: -18.448+/-7.673 χ^2/NDF : 29.5/26

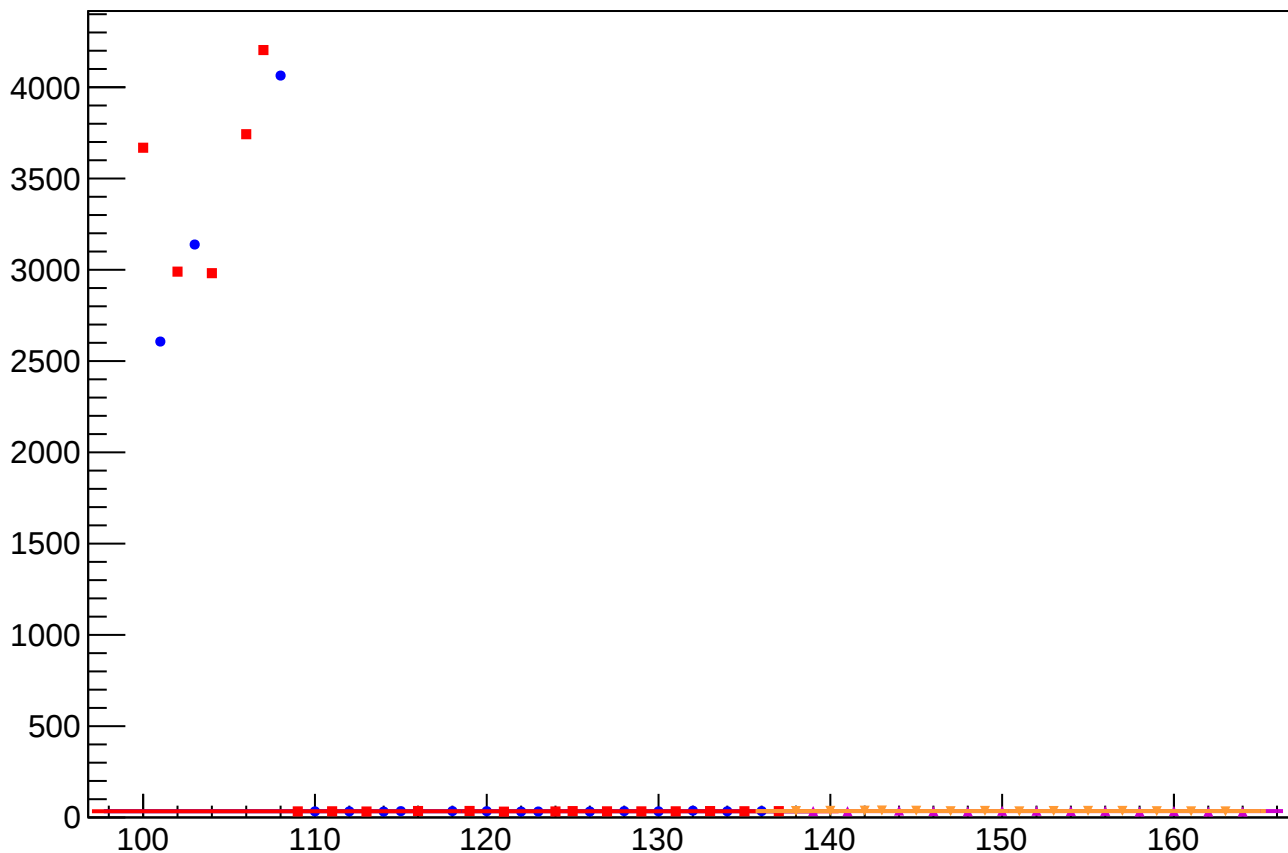
Right: 8.566+/-10.565 χ^2/NDF : 42.2/35

In: 3.927+/-8.795 χ^2/NDF : 27.5/29

Out: -22.077+/-8.765 χ^2/NDF : 44.1/32

All: -9.119+/-6.209 χ^2/NDF : 76.0/62

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: 34.865 $\pm$ 0.008 χ^2 /NDF:43400.9/12

Left: 34.965 $\pm$ 0.005 χ^2 /NDF: 76045.5/26

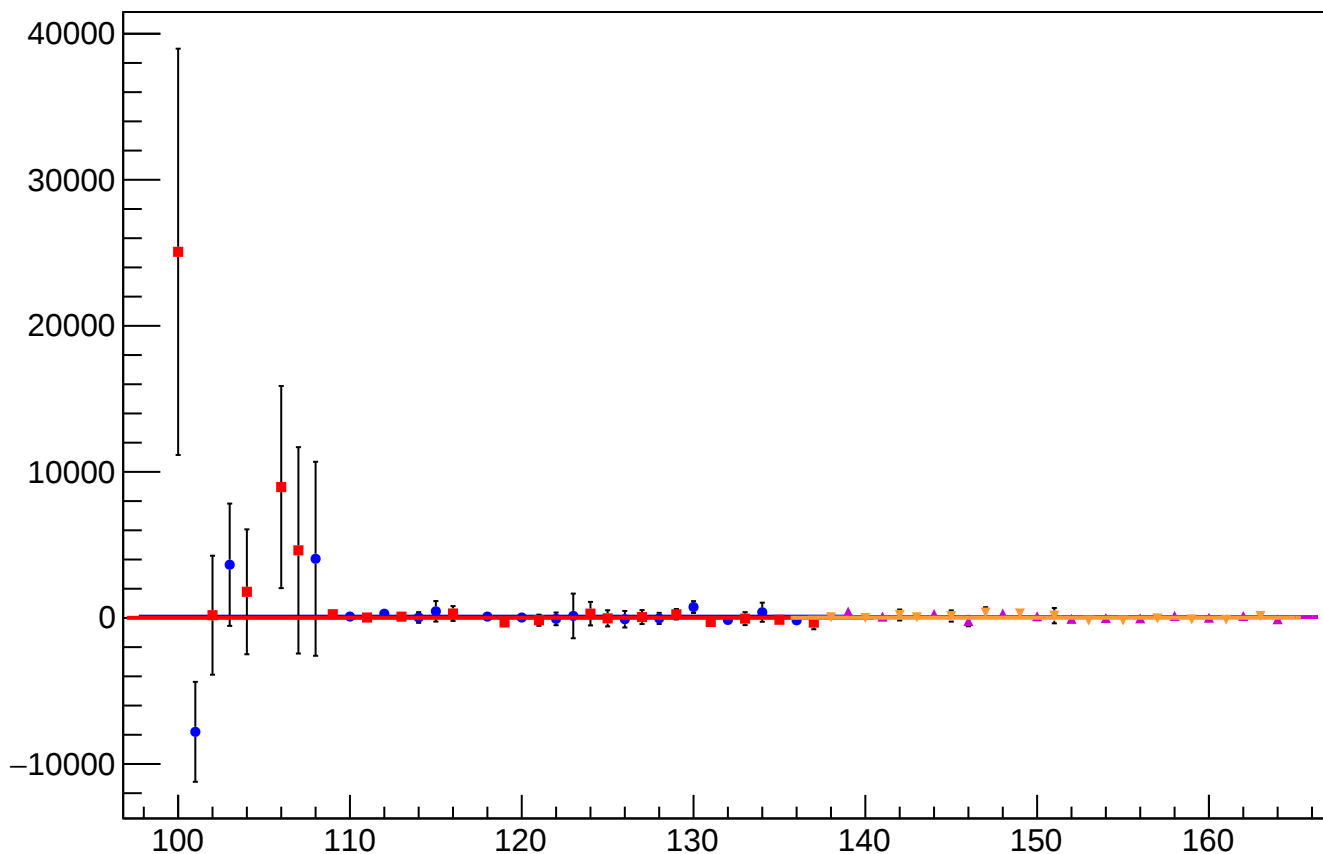
Right: 34.025 $\pm$ 0.007 χ^2 /NDF: 6458362.5/35

In: 34.613 $\pm$ 0.006 χ^2 /NDF:3052752.2/29

Out: 34.668 $\pm$ 0.006 χ^2 /NDF:3491979.4/32

All: 34.640 $\pm$ 0.004 χ^2 /NDF: 6544770.6/62

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: 60.469+/-61.214 χ^2/NDF : 5.2/12

Left: 41.571+/-47.343 χ^2/NDF : 10.1/26

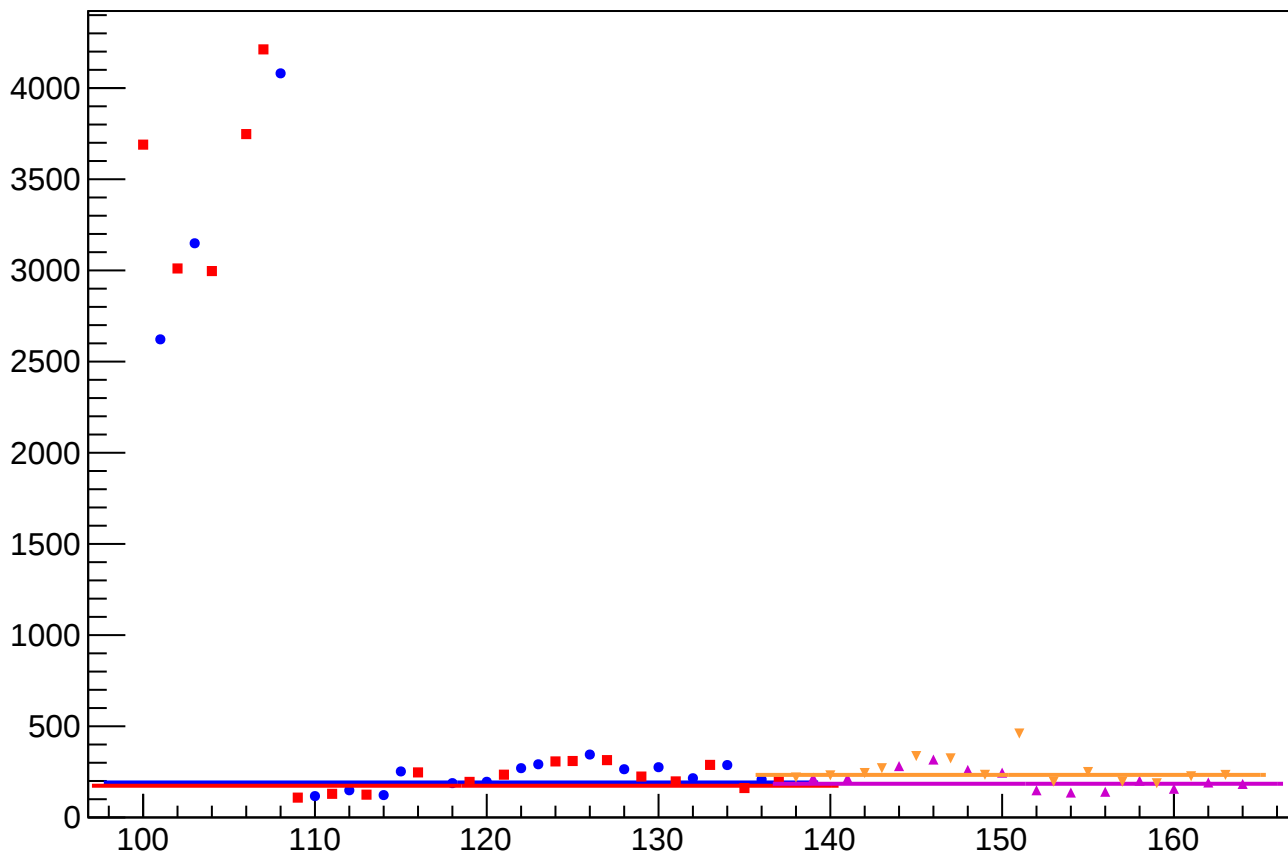
Right: 43.536+/-59.663 χ^2/NDF : 23.9/35

In: 68.814+/-50.242 χ^2/NDF : 17.7/29

Out: 10.625+/-54.971 χ^2/NDF : 15.7/32

All: 42.330+/-37.086 χ^2/NDF : 34.0/62

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: 184.729+/-0.043 χ^2/NDF : 1240200.4/12

Left: 204.310+/-0.033 χ^2/NDF : 2626440.3/26

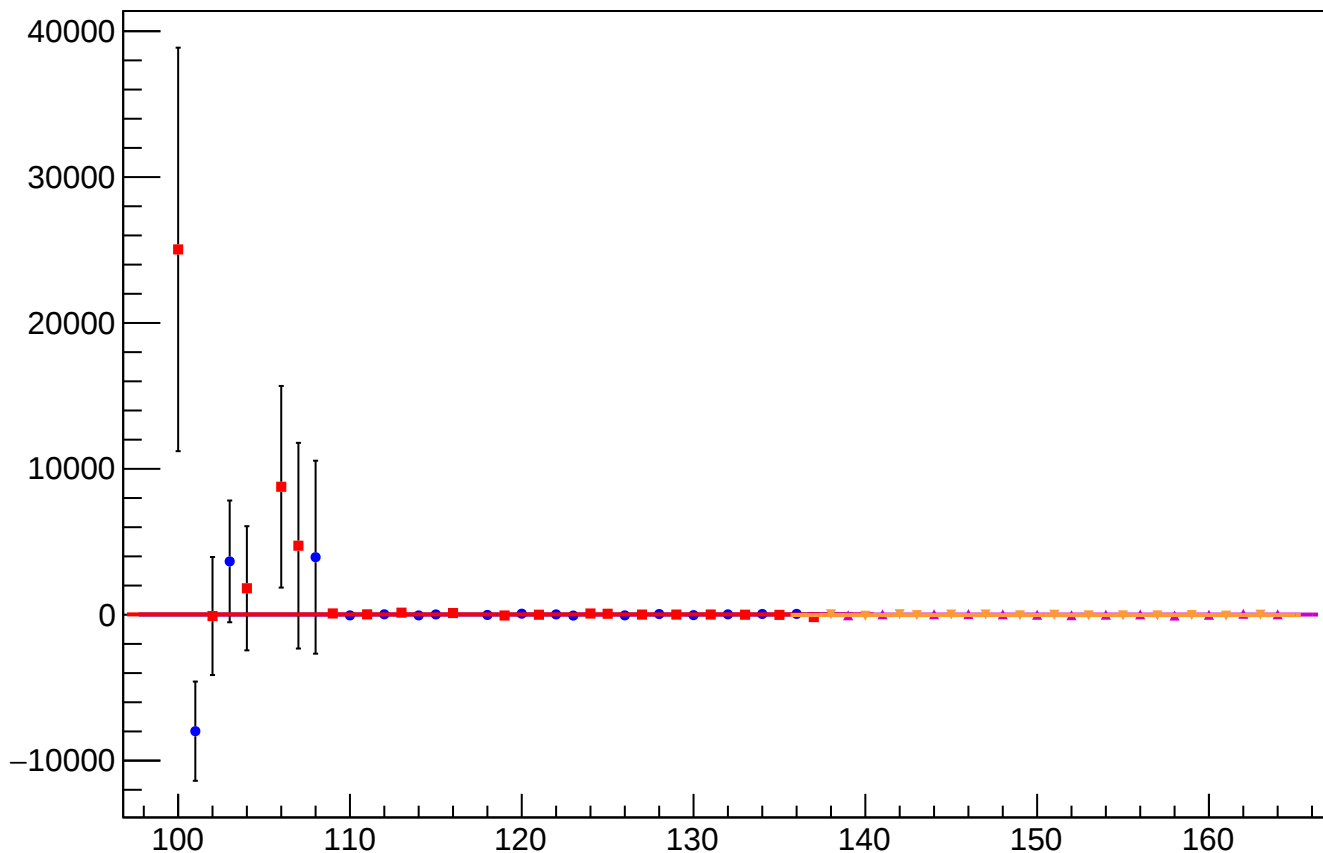
Right: 182.190+/-0.042 χ^2/NDF : 7829428.1/35

In: 187.063+/-0.036 χ^2/NDF : 4822167.7/29

Out: 206.178+/-0.039 χ^2/NDF : 5670621.3/32

All: 195.763+/-0.026 χ^2/NDF : 10624554.5/62

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: 11.749+/-9.847 χ^2/NDF : 12.7/12

Left: -5.534+/-6.951 χ^2/NDF : 29.8/26

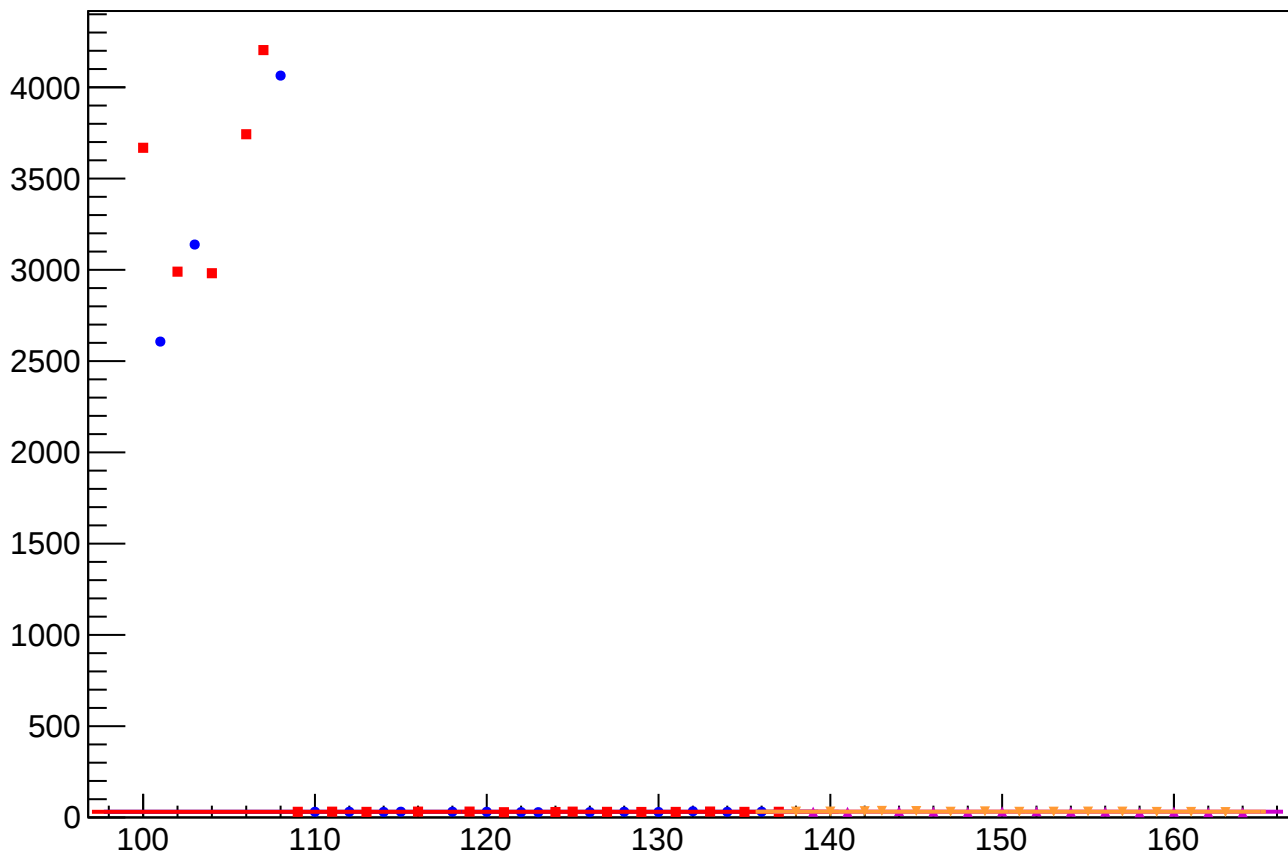
Right: 18.734+/-9.643 χ^2/NDF : 42.9/35

In: 12.563+/-7.979 χ^2/NDF : 27.9/29

Out: -7.009+/-7.970 χ^2/NDF : 46.0/32

All: 2.765+/-5.639 χ^2/NDF : 76.9/62

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: 31.492 $\pm$ 0.007 χ^2 /NDF: 77450.6/12

Left: 31.628 $\pm$ 0.005 χ^2 /NDF: 136925.5/26

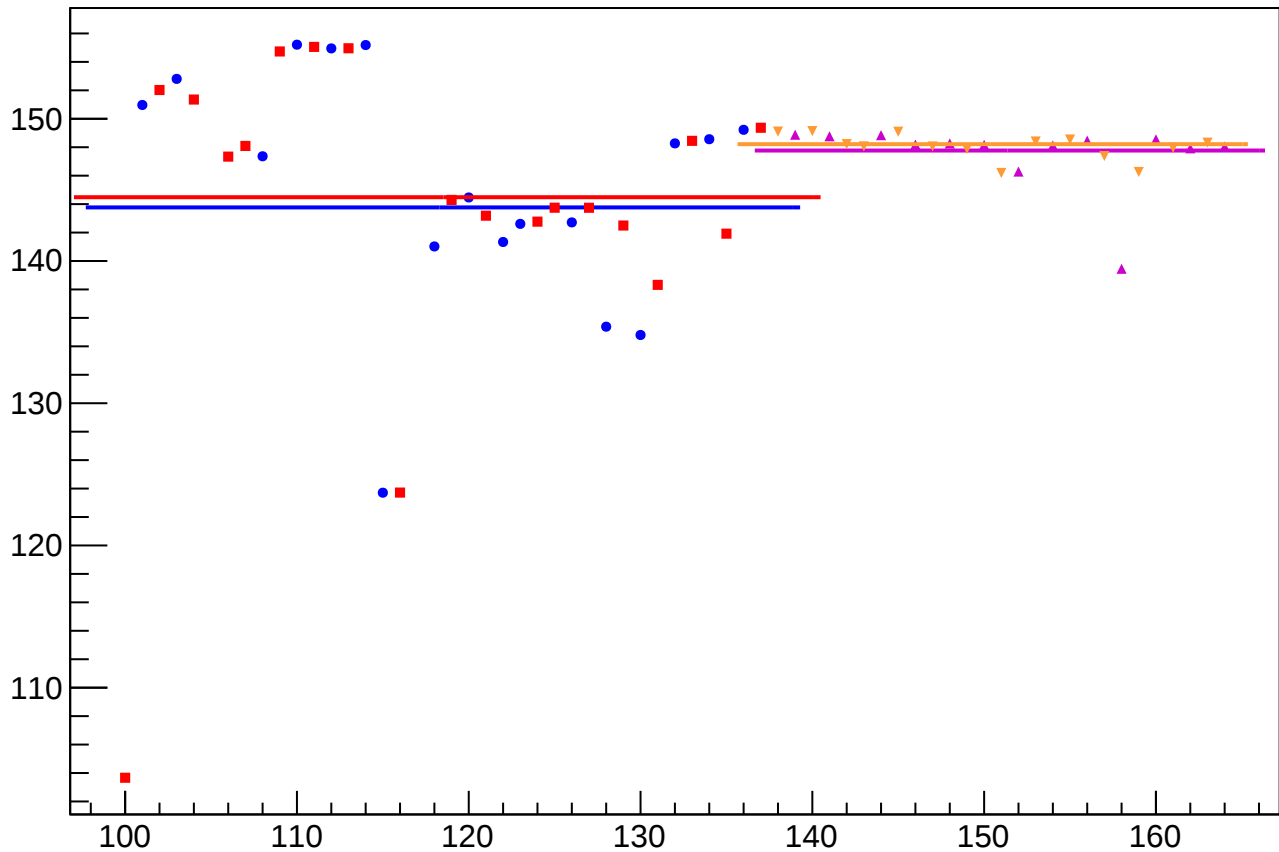
Right: 31.045 $\pm$ 0.007 χ^2 /NDF: 6473514.9/35

In: 31.366 $\pm$ 0.006 χ^2 /NDF: 3092820.7/29

Out: 31.491 $\pm$ 0.006 χ^2 /NDF: 3522191.2/32

All: 31.429 $\pm$ 0.004 χ^2 /NDF: 6615257.2/62

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: 147.768 $\pm$ 0.000 χ^2 /NDF: 320328561.5/12

Left: 147.998 $\pm$ 0.000 χ^2 /NDF: 377349782.2/26

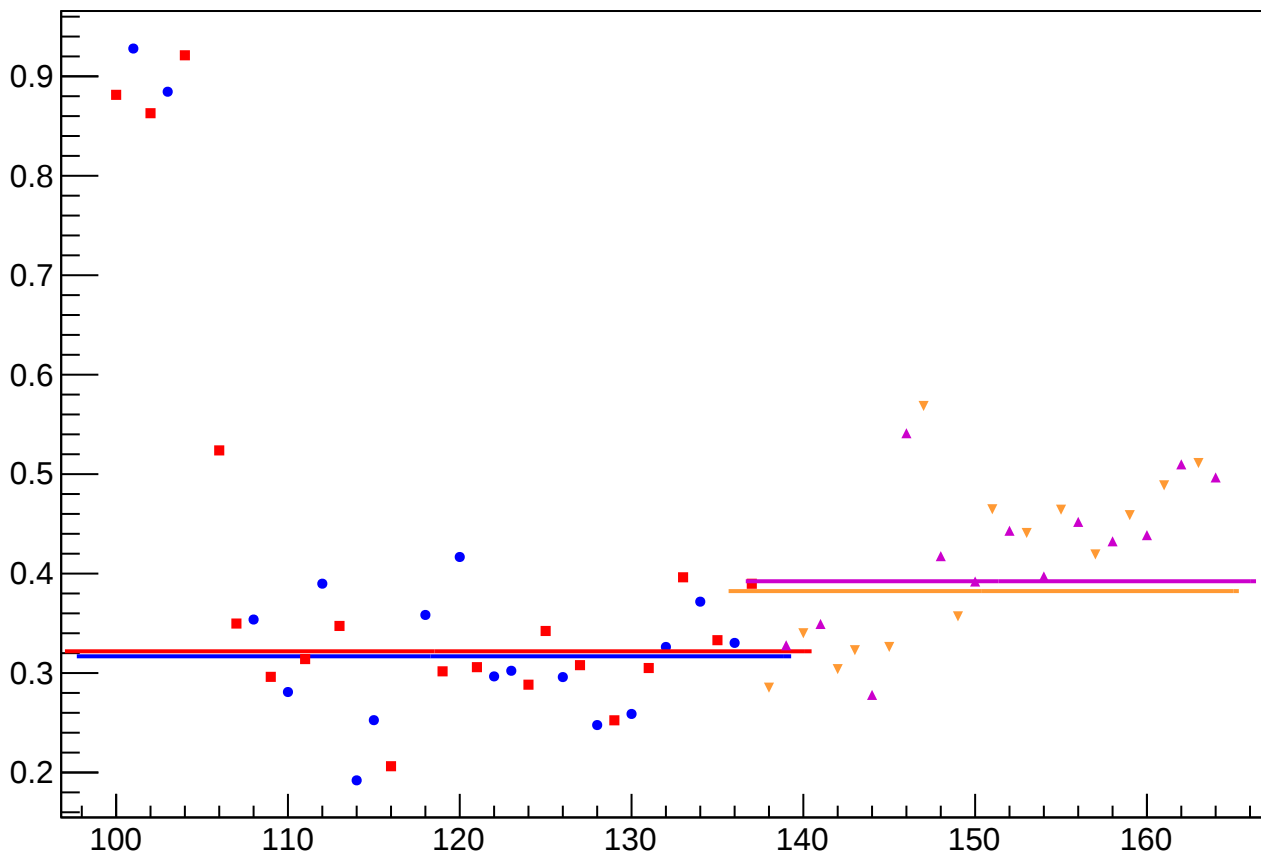
Right: 144.130 $\pm$ 0.000 χ^2 /NDF: 7730221597.0/35

In: 145.879 $\pm$ 0.000 χ^2 /NDF: 4322268844.1/29

Out: 146.495 $\pm$ 0.000 χ^2 /NDF: 4658144722.5/32

All: 146.193 $\pm$ 0.000 χ^2 /NDF: 9003235157.7

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: 0.392 $\pm$ 0.000 χ^2 /NDF:689371.5/12

Left: 0.387 $\pm$ 0.000 χ^2 /NDF: 1534703.2/26

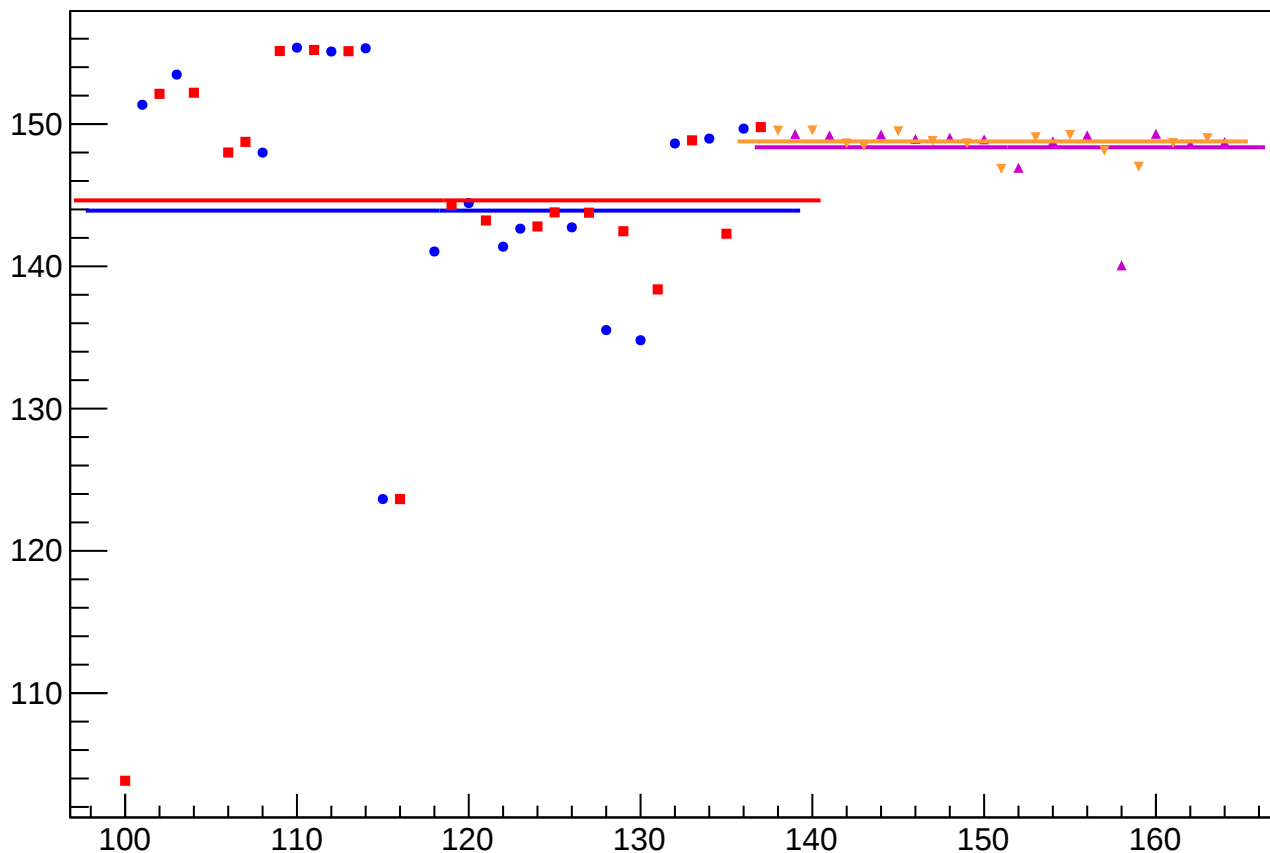
Right: 0.319 $\pm$ 0.000 χ^2 /NDF: 2497805.1/35

In: 0.357 $\pm$ 0.000 χ^2 /NDF:2302522.3/29

Out: 0.354 $\pm$ 0.000 χ^2 /NDF:2280143.3/32

All: 0.356 $\pm$ 0.000 χ^2 /NDF: 4583228.7/62

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 148.784 $\pm$ 0.000 χ^2 /NDF: 39849951.0/13

Right Out: 144.637 $\pm$ 0.000 χ^2 /NDF: 4210524953.9/18

Left In: 148.369 $\pm$ 0.000 χ^2 /NDF: 309906001.5/12

Left: 148.583 $\pm$ 0.000 χ^2 /NDF: 355151302.2/26

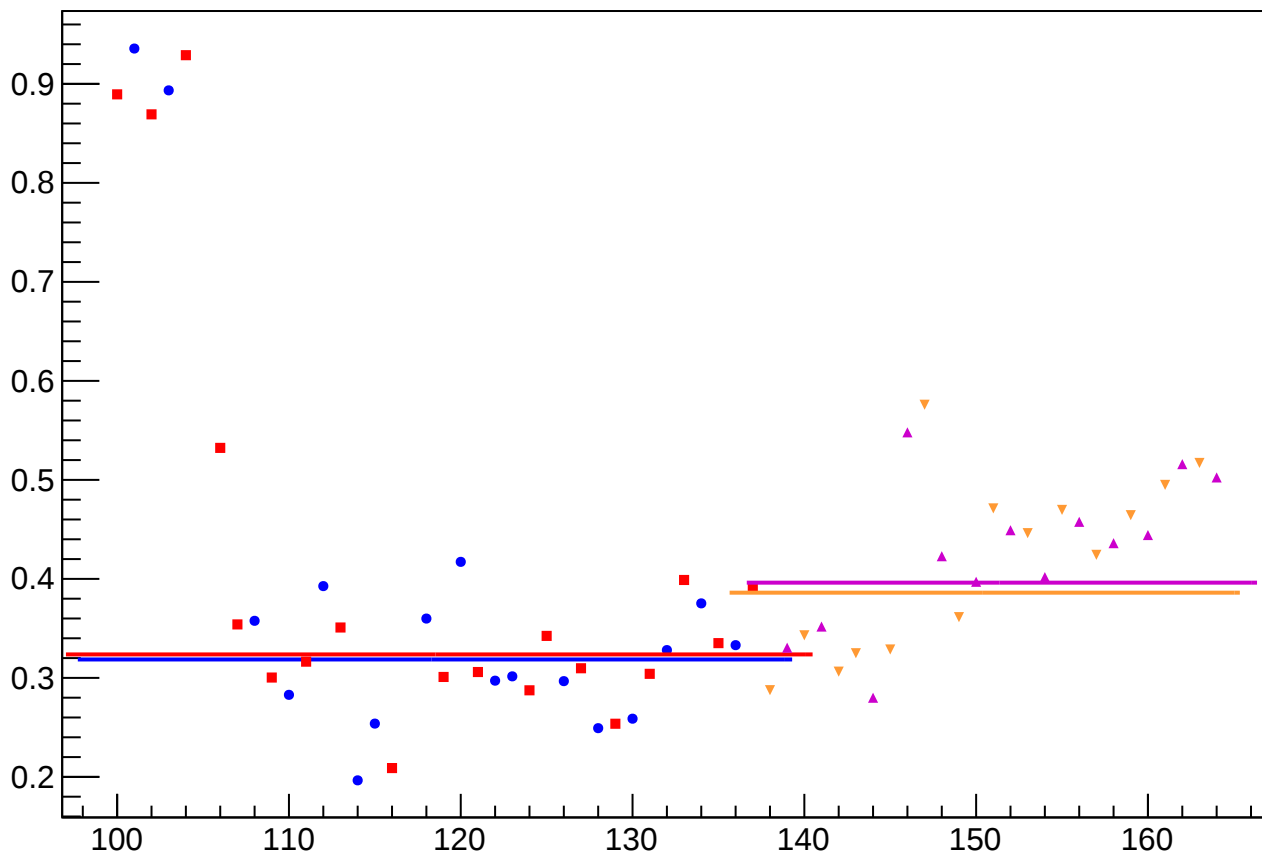
Right: 144.280 $\pm$ 0.000 χ^2 /NDF: 7809567994.8/35

In: 146.256 $\pm$ 0.000 χ^2 /NDF: 4467727010.3/29

Out: 146.863 $\pm$ 0.000 χ^2 /NDF: 4766655395.5/32

All: 146.565 $\pm$ 0.000 χ^2 /NDF: 9256167851.8

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1280748.9/16

Left Out: 0.386 $\pm$ 0.000 χ^2 /NDF: 855194.1/13

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1220898.3/18

Left In: 0.396 $\pm$ 0.000 χ^2 /NDF: 703991.8/12

Left: 0.391 $\pm$ 0.000 χ^2 /NDF: 1565612.3/26

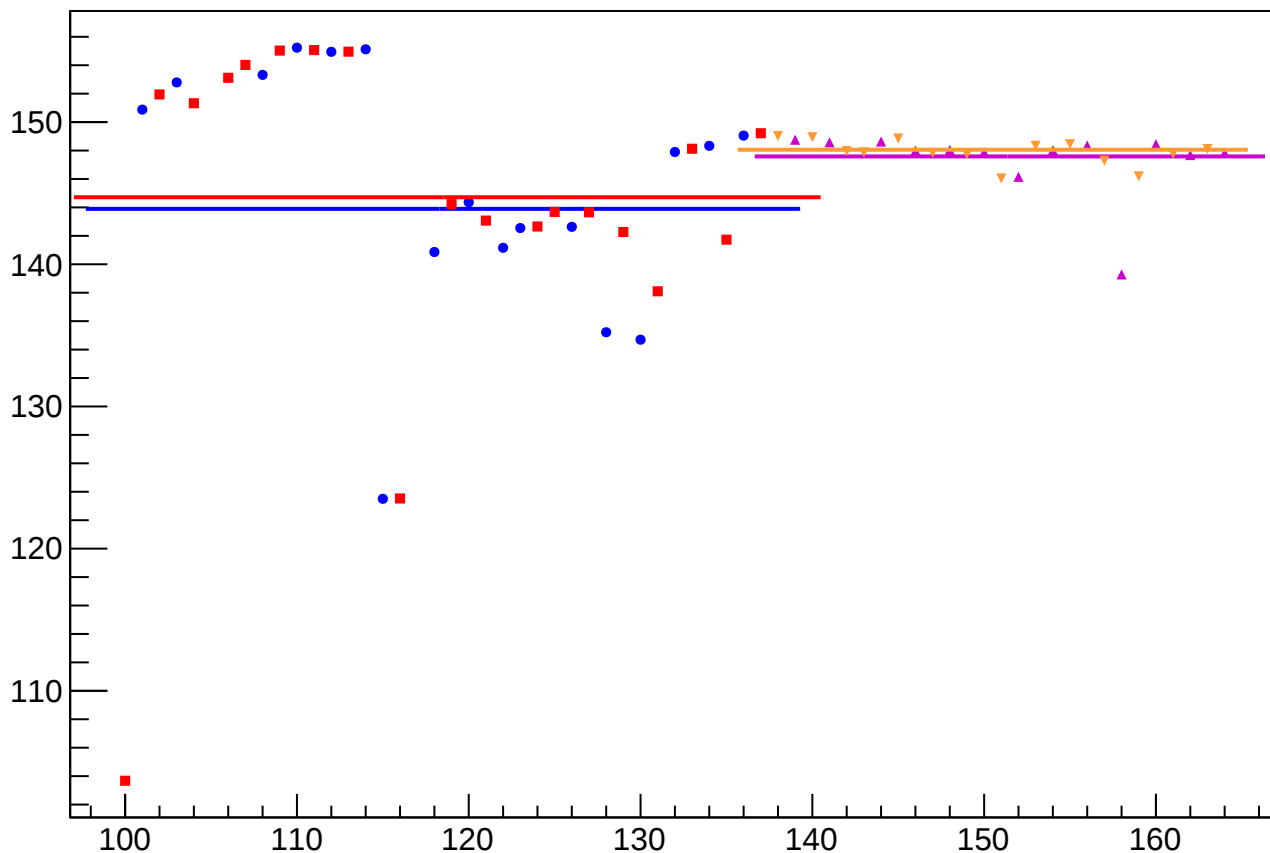
Right: 0.321 $\pm$ 0.000 χ^2 /NDF: 2503090.8/35

In: 0.359 $\pm$ 0.000 χ^2 /NDF: 2332763.7/29

Out: 0.357 $\pm$ 0.000 χ^2 /NDF: 2309594.8/32

All: 0.358 $\pm$ 0.000 χ^2 /NDF: 4642920.9/62

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: 147.586 $\pm$ 0.000 χ^2 /NDF: 318914410.4/12

Left: 147.828 $\pm$ 0.000 χ^2 /NDF: 374883237.6/26

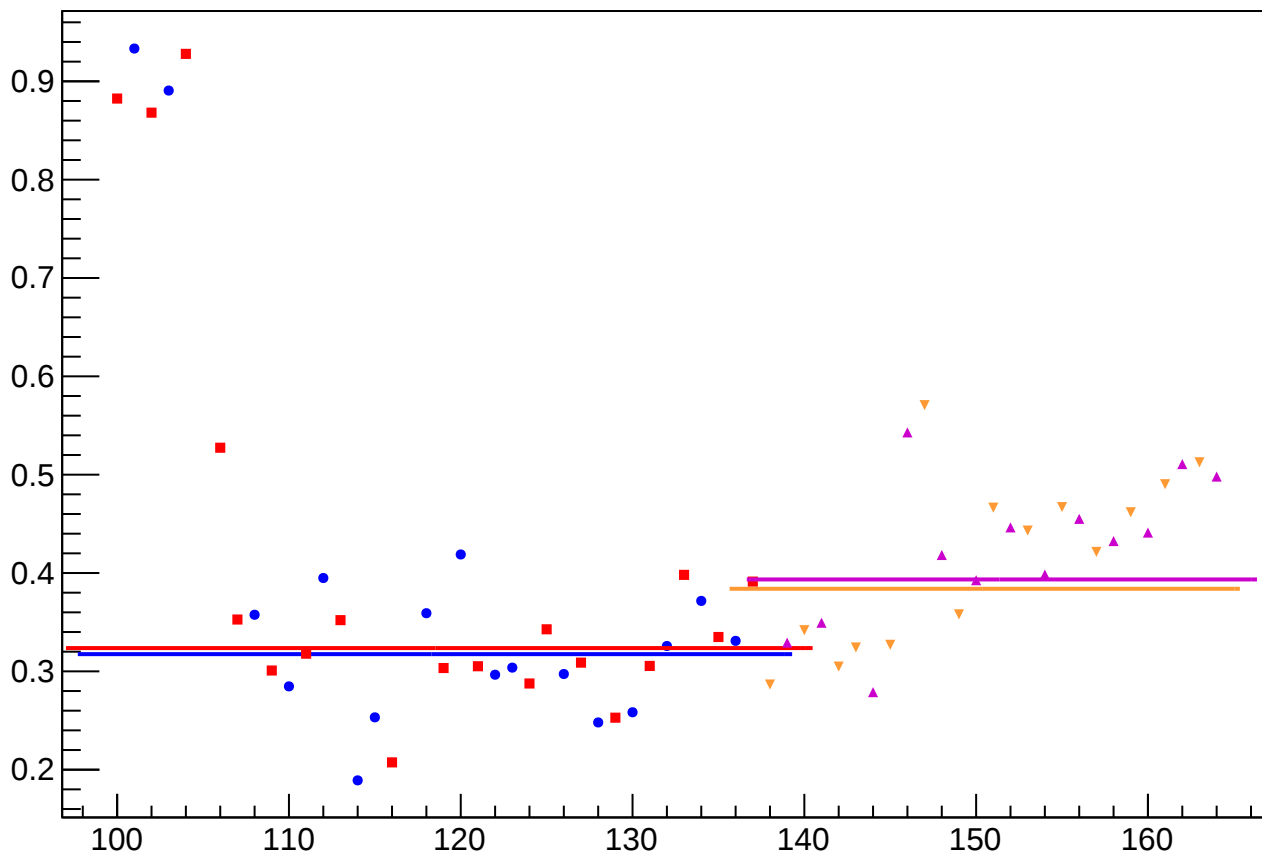
Right: 144.309 $\pm$ 0.000 χ^2 /NDF: 8242891510.2/35

In: 145.844 $\pm$ 0.000 χ^2 /NDF: 4465707717.0/29

Out: 146.517 $\pm$ 0.000 χ^2 /NDF: 4860363399.1/32

All: 146.187 $\pm$ 0.000 χ^2 /NDF: 9353103240.5

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.384 $\pm$ 0.000 χ^2 /NDF: 840821.9/13

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1221676.7/18

Left In: 0.393 $\pm$ 0.000 χ^2 /NDF: 692585.9/12

Left: 0.389 $\pm$ 0.000 χ^2 /NDF: 1539128.9/26

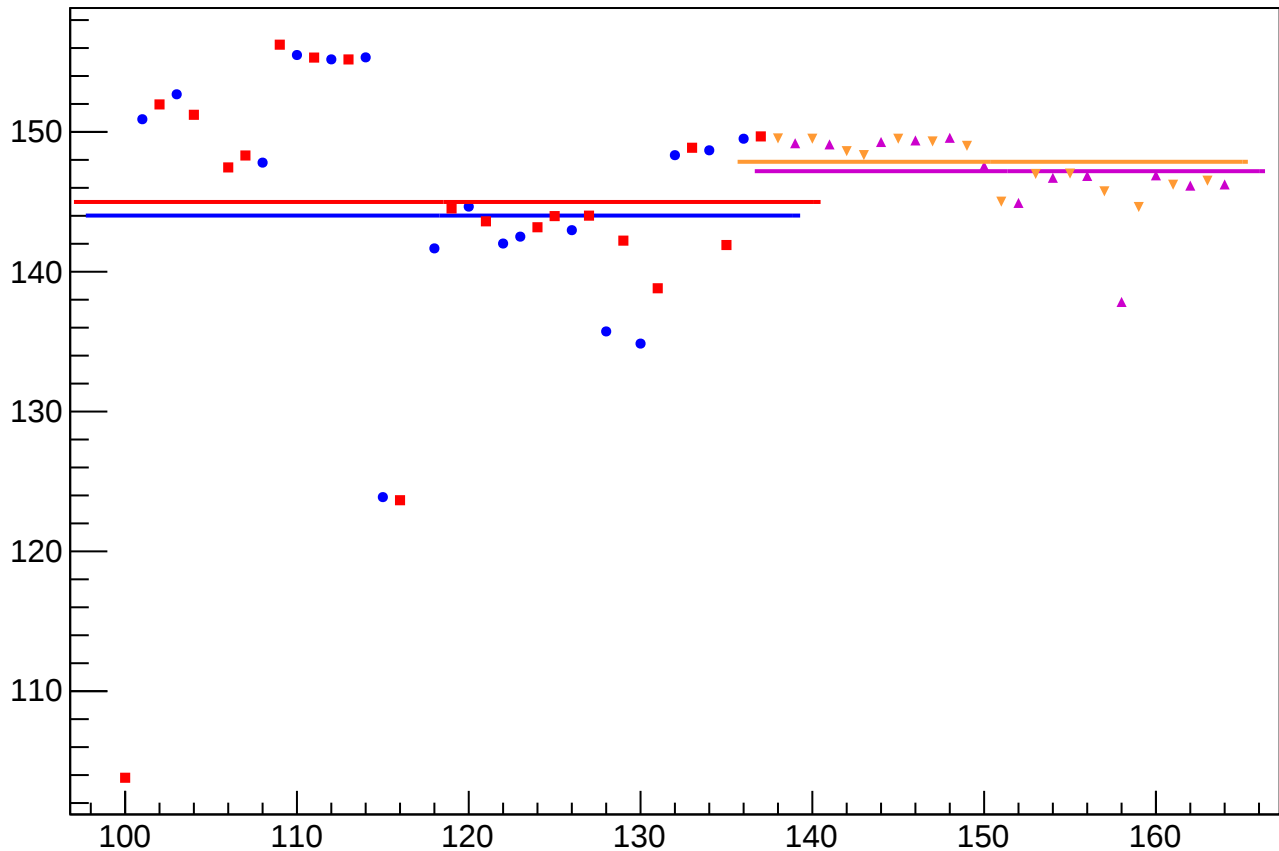
Right: 0.321 $\pm$ 0.000 χ^2 /NDF: 2516974.9/35

In: 0.358 $\pm$ 0.000 χ^2 /NDF: 2322641.8/29

Out: 0.356 $\pm$ 0.000 χ^2 /NDF: 2282085.8/32

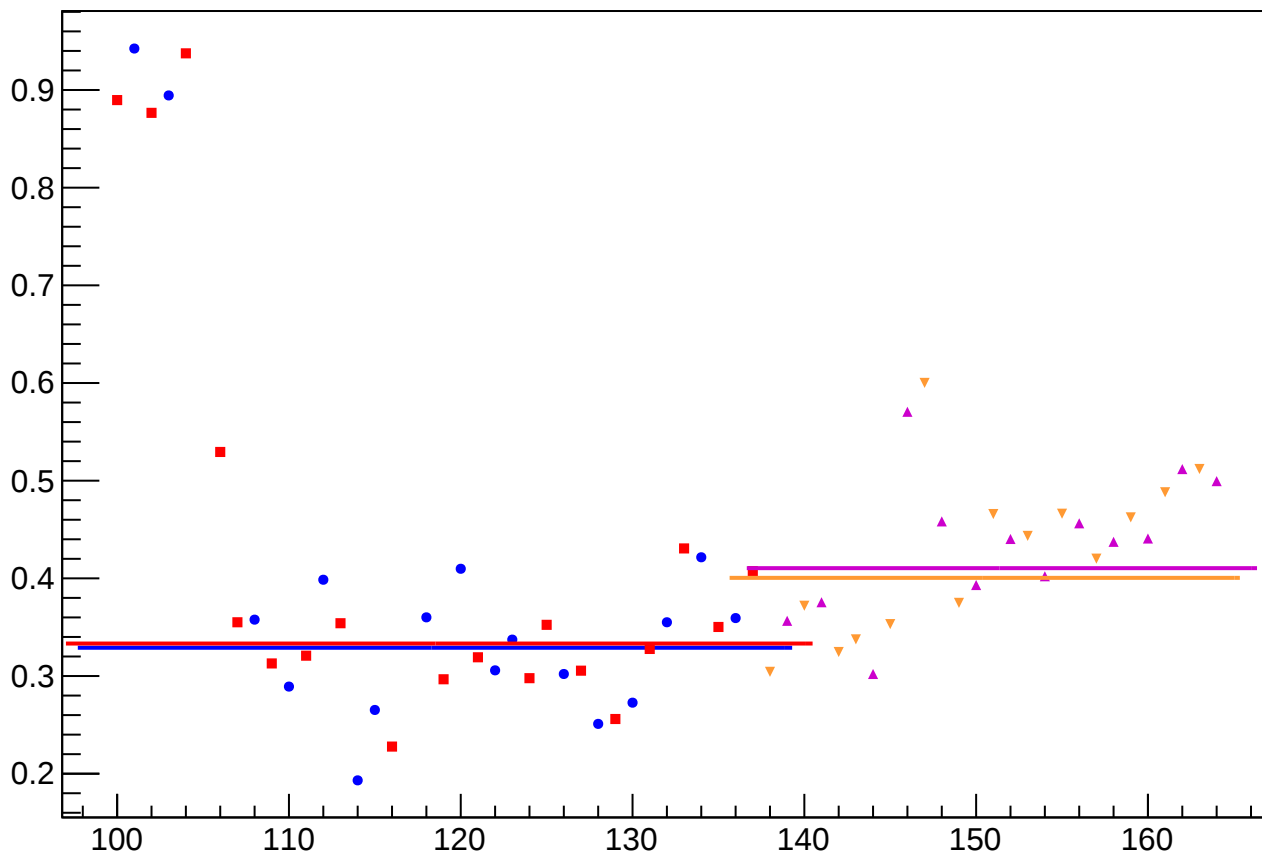
All: 0.357 $\pm$ 0.000 χ^2 /NDF: 4604952.4/62

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.018 $\pm$ 0.000	χ^2 /NDF: 3238525527.6/16	Left: 147.538 $\pm$ 0.000	χ^2 /NDF: 668485195.8/26
Left Out: 147.864 $\pm$ 0.000	χ^2 /NDF: 170908671.5/13	Right: 144.510 $\pm$ 0.000	χ^2 /NDF: 7116582298.0/35
Right Out: 144.990 $\pm$ 0.000	χ^2 /NDF: 3853449012.9/18	In: 145.689 $\pm$ 0.000	χ^2 /NDF: 3995503160.0/29
Left In: 147.192 $\pm$ 0.000	χ^2 /NDF: 484285130.6/12	Out: 146.526 $\pm$ 0.000	χ^2 /NDF: 4257172943.5/32
		All: 146.117 $\pm$ 0.000	χ^2 /NDF: 8291516766.4

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: 0.410 $\pm$ 0.000 χ^2/NDF : 530417.7/12

Left: 0.405 $\pm$ 0.000 χ^2/NDF : 1194164.9/26

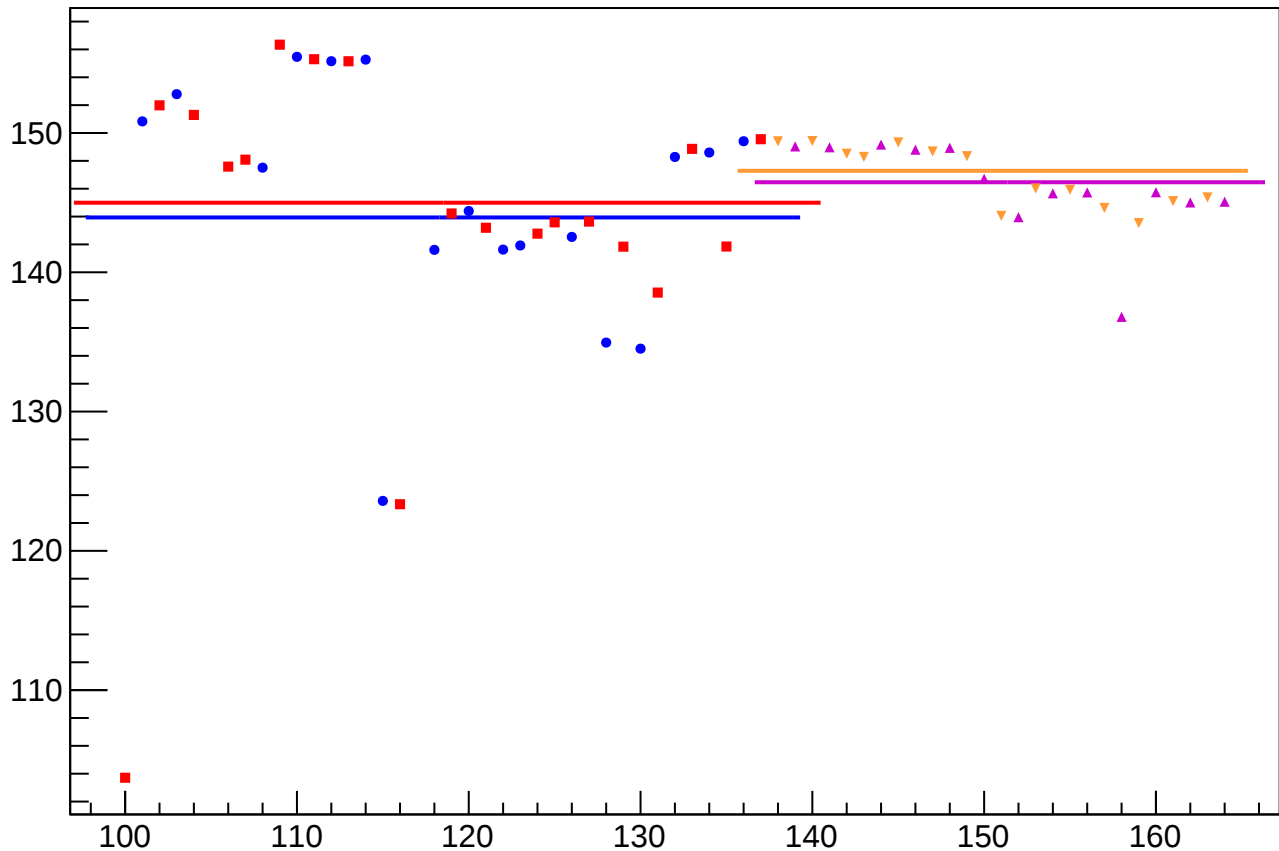
Right: 0.331 $\pm$ 0.000 χ^2/NDF : 2459580.1/35

In: 0.372 $\pm$ 0.000 χ^2/NDF : 2165849.3/29

Out: 0.369 $\pm$ 0.000 χ^2/NDF : 2095287.4/32

All: 0.371 $\pm$ 0.000 χ^2/NDF : 4261920.7/62

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: 146.464 $\pm$ 0.000 χ^2 /NDF: 593448442.4/12

Left: 146.887 $\pm$ 0.000 χ^2 /NDF: 872780467.1/26

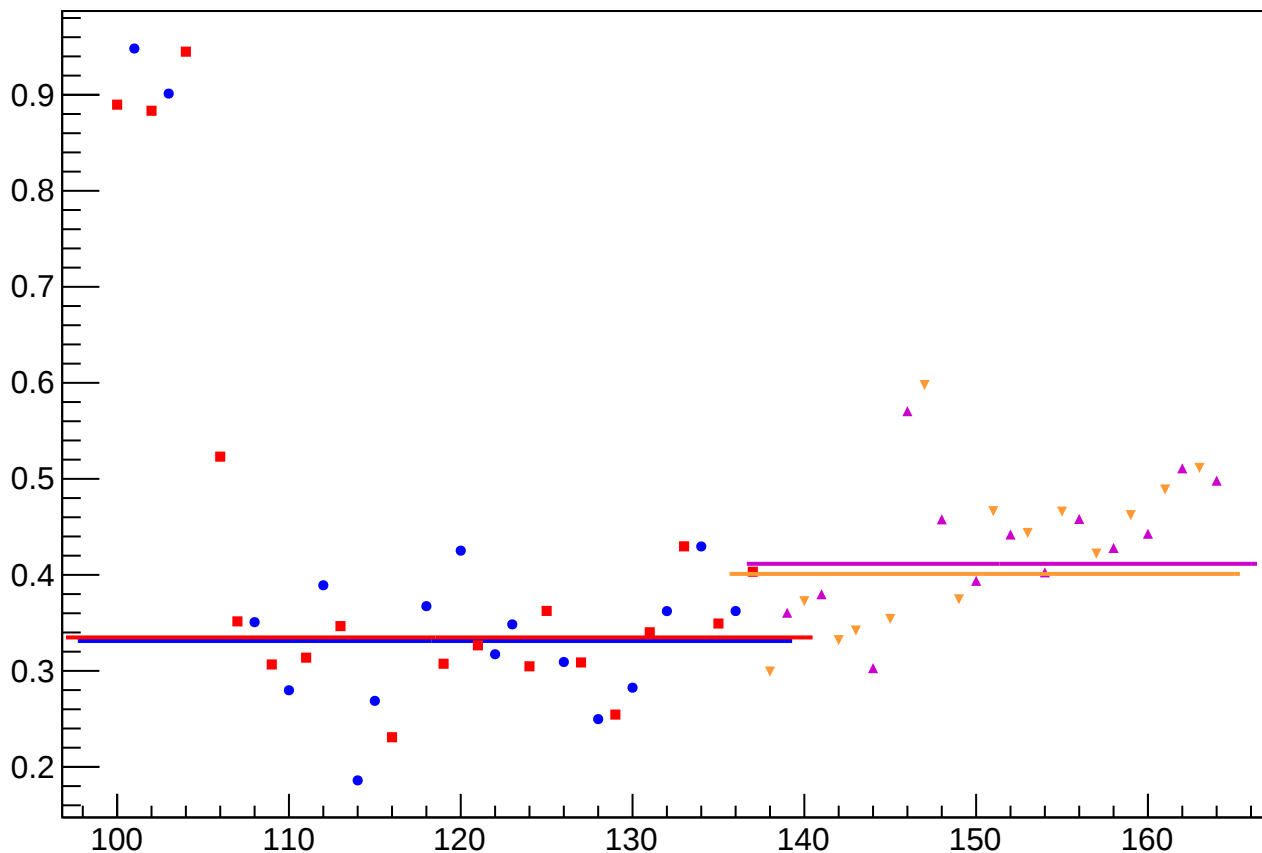
Right: 144.474 $\pm$ 0.000 χ^2 /NDF: 7341982360.6/35

In: 145.275 $\pm$ 0.000 χ^2 /NDF: 4143427336.7/29

Out: 146.223 $\pm$ 0.000 χ^2 /NDF: 4340395969.0/32

All: 145.760 $\pm$ 0.000 χ^2 /NDF: 8533238554.9

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: 0.412+/-0.000 χ^2/NDF : 512986.7/12

Left: 0.406+/-0.000 χ^2/NDF : 1176002.9/26

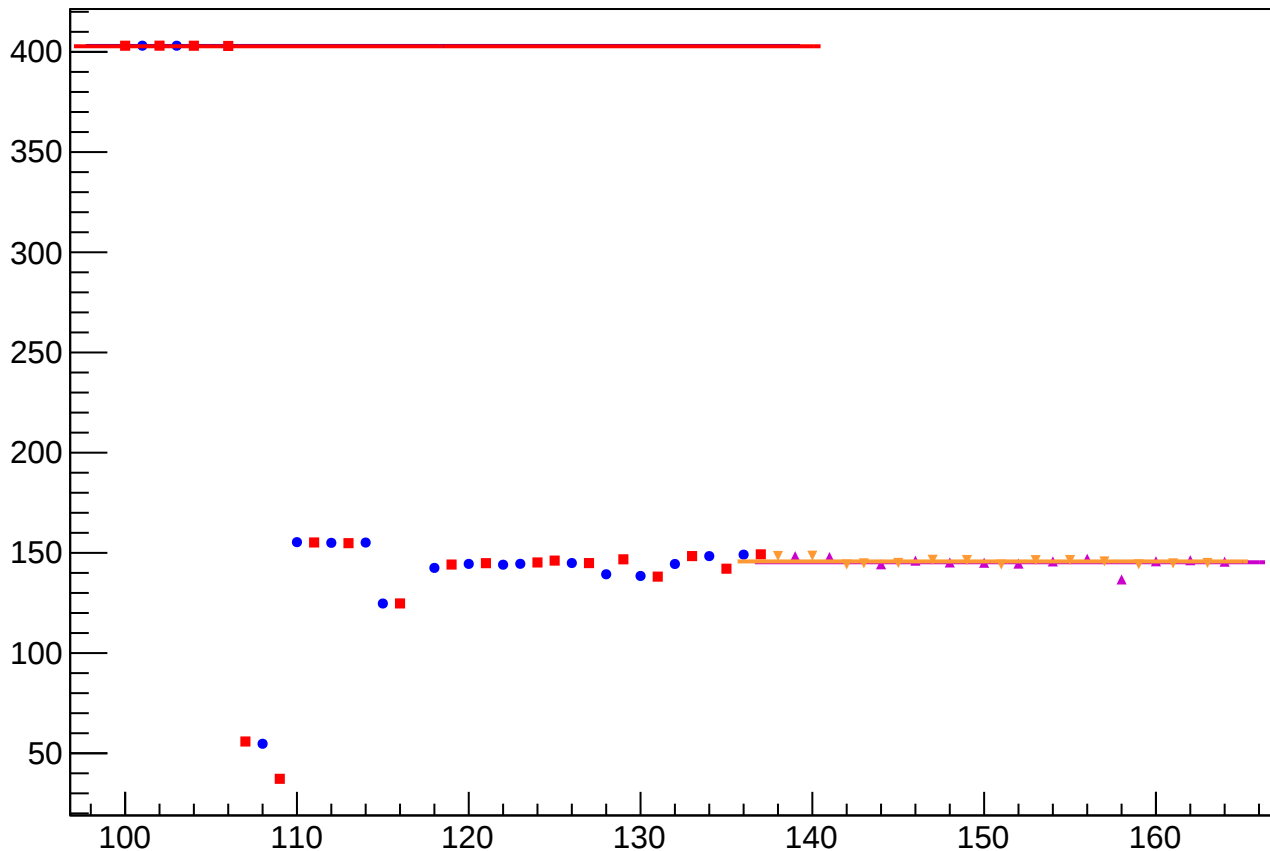
Right: 0.333+/-0.000 χ^2/NDF : 2468673.8/35

In: 0.374+/-0.000 χ^2/NDF : 2153926.9/29

Out: 0.370+/-0.000 χ^2/NDF : 2073811.7/32

All: 0.372+/-0.000 χ^2/NDF : 4228991.6/62

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000

χ^2/NDF : 1096710296821.6/16

Left: 145.518+/-0.000

χ^2/NDF : 170797030.9/26

Left Out: 145.731+/-0.000

χ^2/NDF : 40000165.9/13

Right: 402.873+/-0.000

χ^2/NDF : 4201017642924.7/16

Right Out: 402.799+/-0.000

χ^2/NDF : 3103890772575.4/18

In: 402.791+/-0.000

χ^2/NDF : 2427504602386.5/29

Left In: 145.314+/-0.000

χ^2/NDF : 129088157.7/12

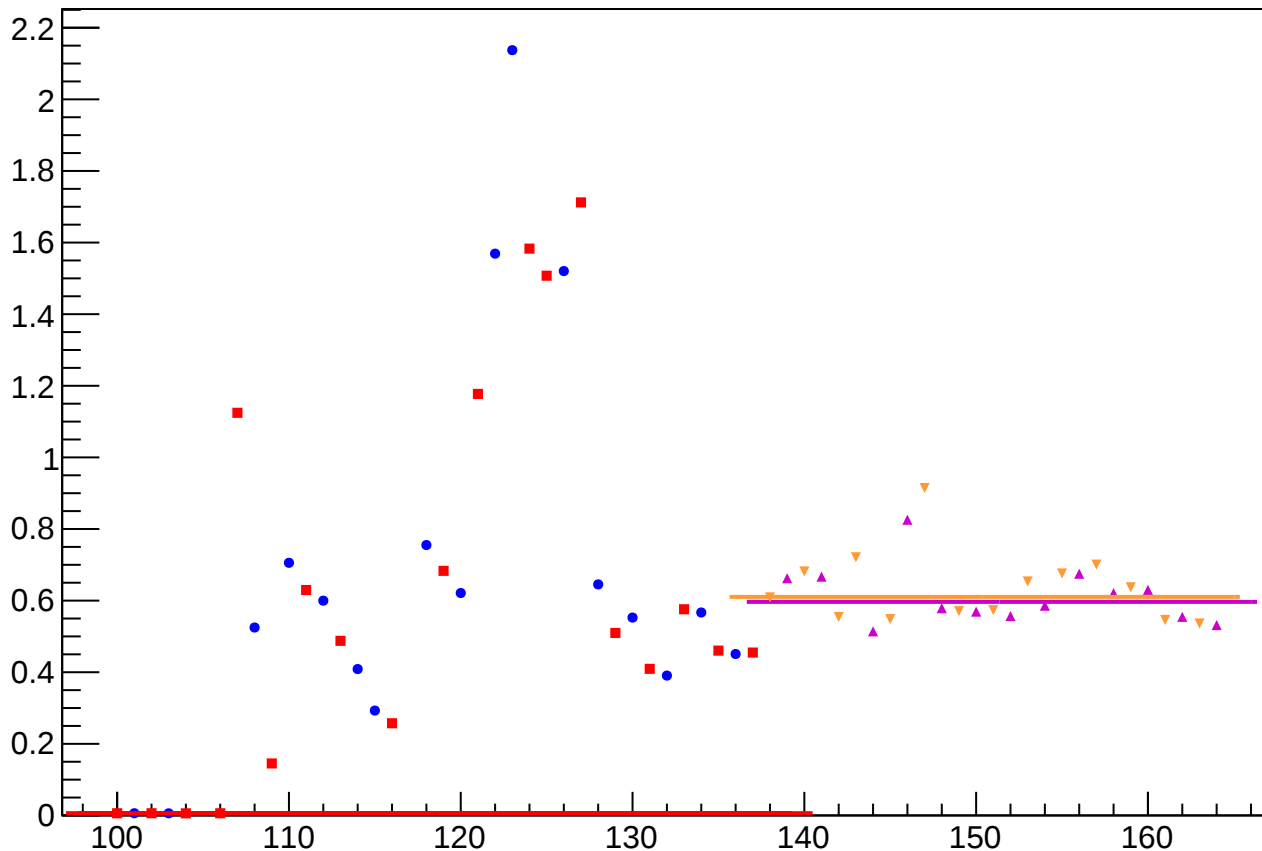
Out: 402.658+/-0.000

χ^2/NDF : 4379742907300.7/30

All: 402.721+/-0.000

χ^2/NDF : 680754310952.0/62

yield_cav4bQ_rms vs Slug, Sign Corrected



Left: 0.603 ± 0.000 $\chi^2/\text{NDF}: 439180.7/26$

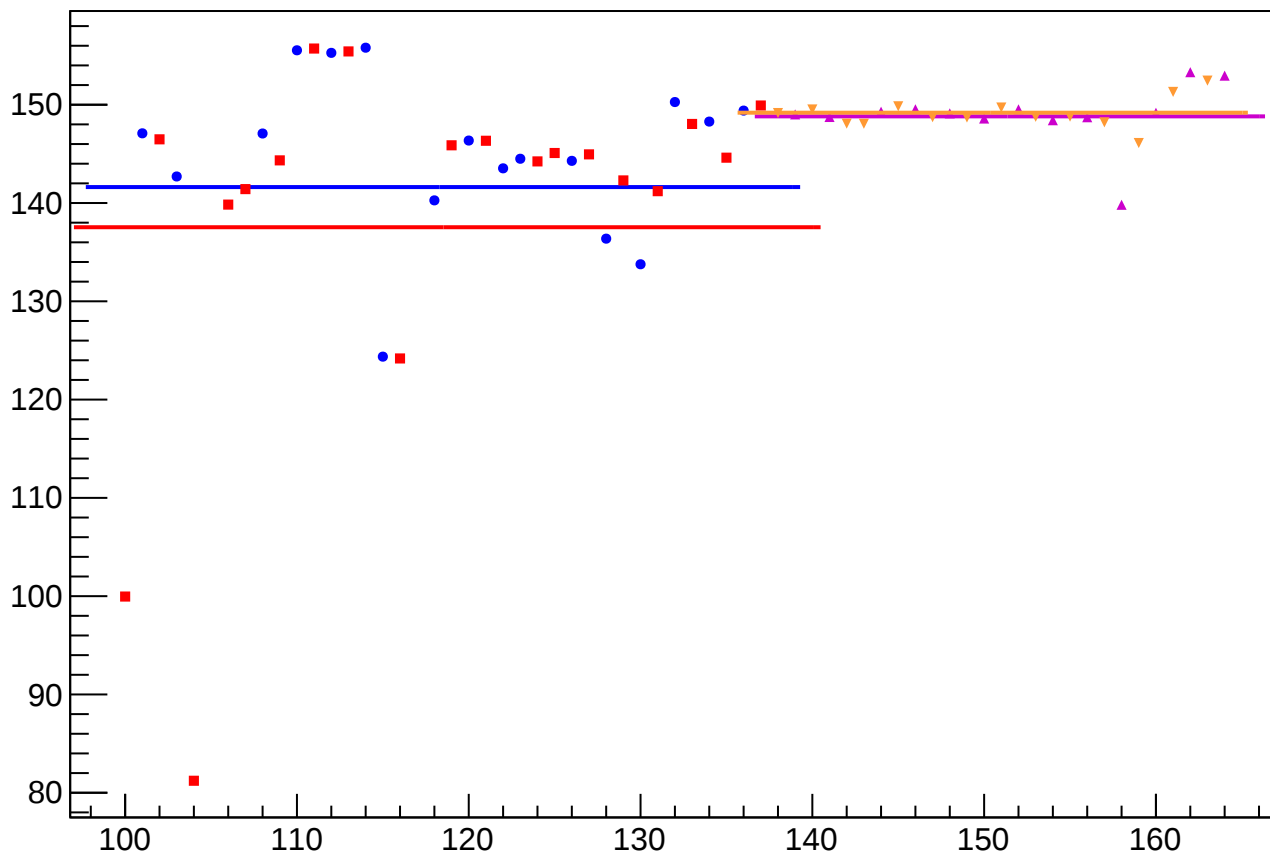
Right: 0.006 ± 0.000 $\chi^2/\text{NDF}: 18373456.3/35$

In: 0.007 ± 0.000 $\chi^2/\text{NDF}: 23311559.5/29$

Out: 0.007 ± 0.000 $\chi^2/\text{NDF}: 23553526.6/32$

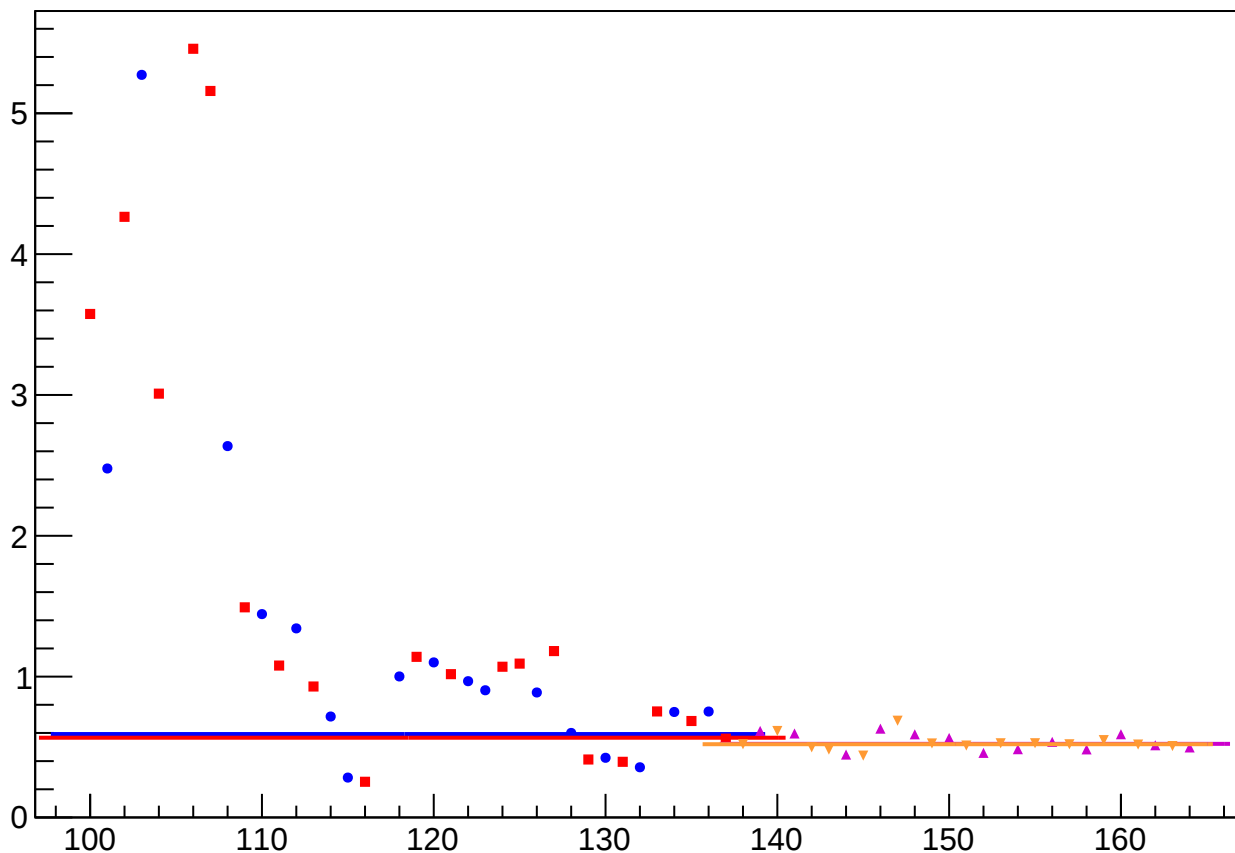
All: 0.007 ± 0.000 $\chi^2/\text{NDF}: 46865206.5/62$

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.622+/-0.000	χ^2/NDF : 982037737.7/16	Left: 149.005+/-0.000	χ^2/NDF : 436251739.5/26
Left Out: 149.190+/-0.000	χ^2/NDF : 80176321.2/13	Right: 139.530+/-0.000	χ^2/NDF : 2384319562.8/35
Right Out: 137.536+/-0.000	χ^2/NDF : 1315768553.6/18	In: 147.130+/-0.000	χ^2/NDF : 1736769601.4/29
Left In: 148.816+/-0.000	χ^2/NDF : 353728346.3/12	Out: 146.409+/-0.000	χ^2/NDF : 2494211415.3/32
		All: 146.765+/-0.000	χ^2/NDF : 4242377584.9

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: 0.523 $\pm$ 0.000 χ^2 /NDF:225165.0/12

Left: 0.521 $\pm$ 0.000 χ^2 /NDF: 394668.8/26

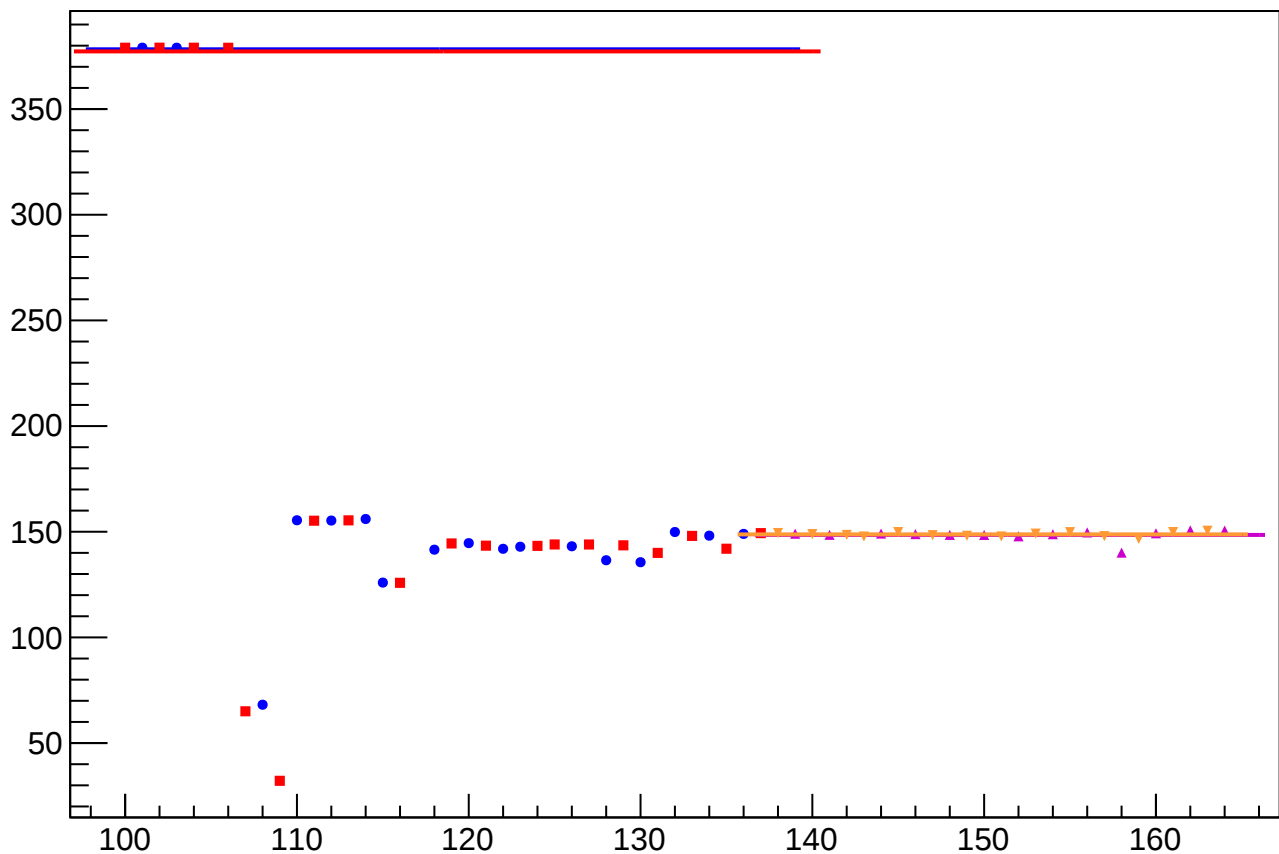
Right: 0.579 $\pm$ 0.000 χ^2 /NDF: 8210771.7/35

In: 0.539 $\pm$ 0.000 χ^2 /NDF:3821986.4/29

Out: 0.531 $\pm$ 0.000 χ^2 /NDF:4885793.6/32

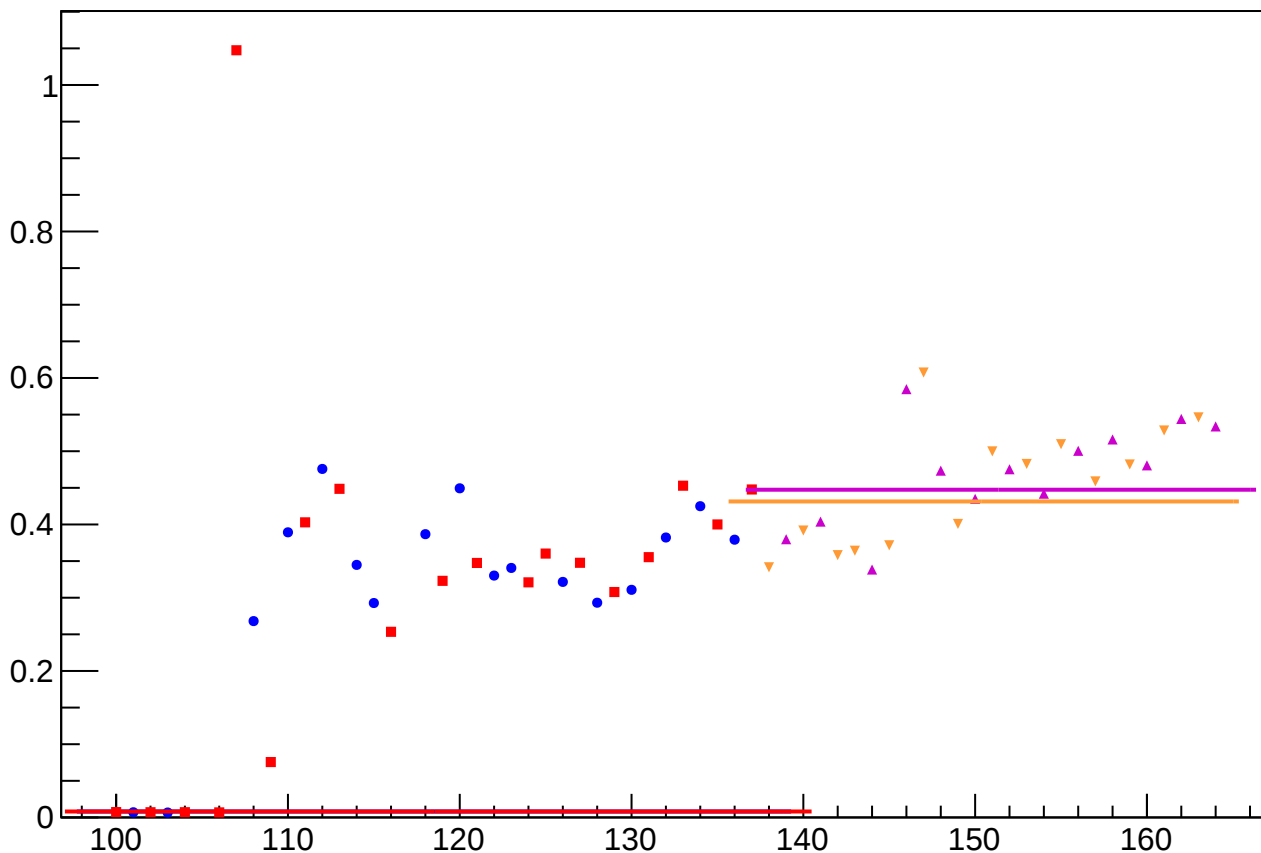
All: 0.535 $\pm$ 0.000 χ^2 /NDF: 8710466.1/62

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: 148.494 +/- 0.000 χ^2/NDF : 232531525.3/12
 All: 376.940 +/- 0.000 χ^2/NDF : 161070962965.1/39

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: 0.447 $\pm$ 0.000 χ^2 /NDF:463200.2/12

Left: 0.439 $\pm$ 0.000 χ^2 /NDF: 1062473.8/26

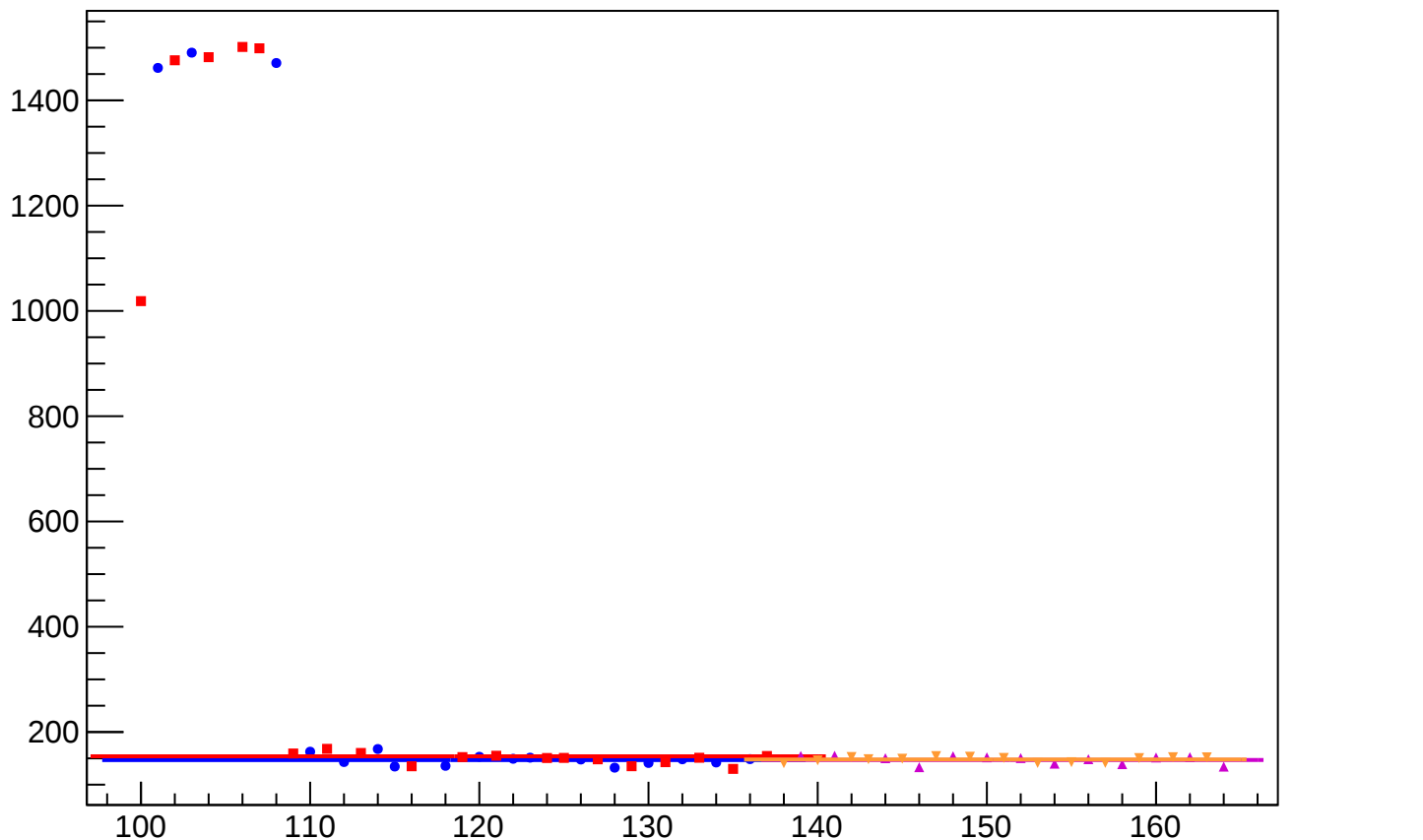
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 19421175.8/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF:29043692.2/29

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:28995045.9/32

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 58038909.8/62

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: 146.887+/-0.000 χ^2/NDF : 590328939.9/12

Left: 147.352+/-0.000 χ^2/NDF : 833912035.7/26

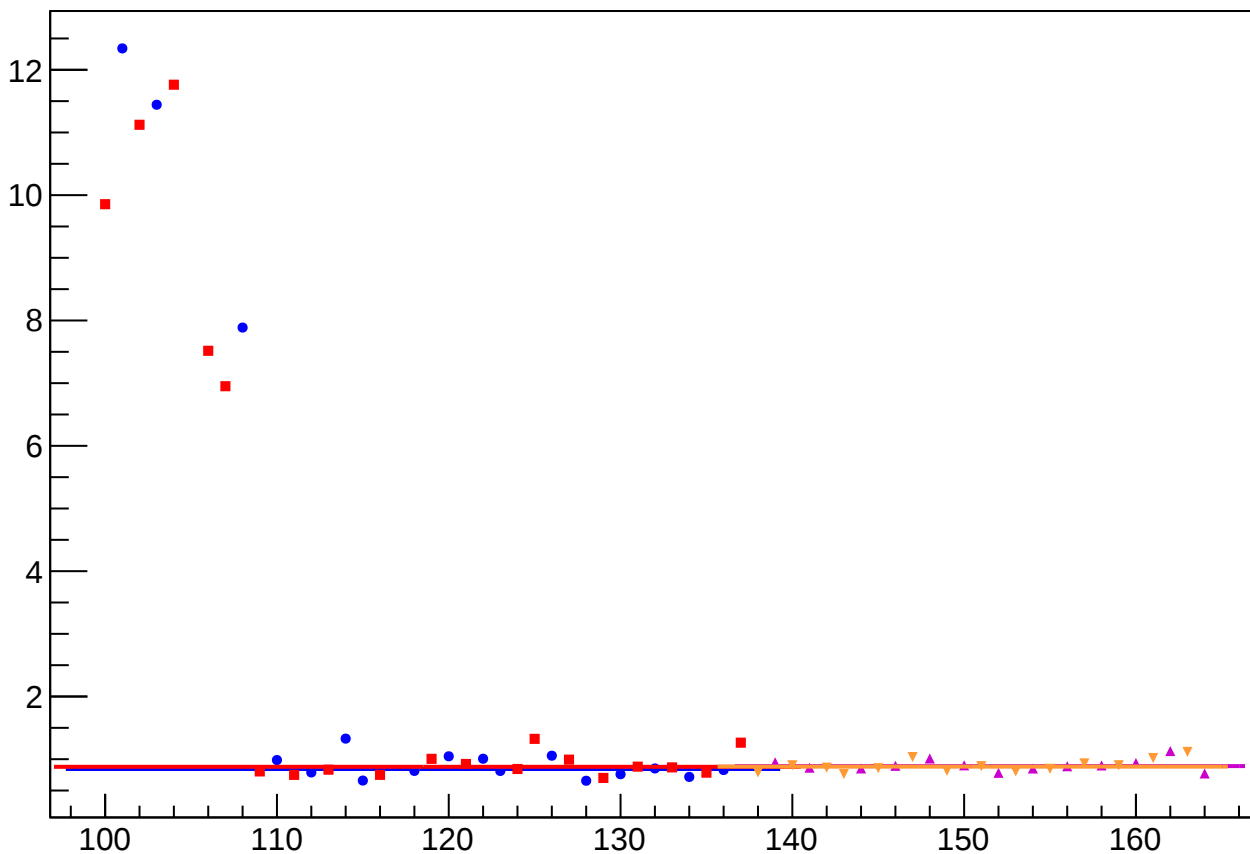
Right: 150.283+/-0.000 χ^2/NDF : 58225591435.1/35

In: 146.832+/-0.000 χ^2/NDF : 24941295294.0/29

Out: 149.840+/-0.000 χ^2/NDF : 34107344875.4/32

All: 148.339+/-0.000 χ^2/NDF : 59120172288.0

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.844 $\pm$ 0.000 χ^2 /NDF: 2670470.7/16

Left Out: 0.882 $\pm$ 0.000 χ^2 /NDF:174928.6/13

Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 2812500.6/18

Left In: 0.890 $\pm$ 0.000 χ^2 /NDF:141538.3/12

Left: 0.886 $\pm$ 0.000 χ^2 /NDF: 317076.4/26

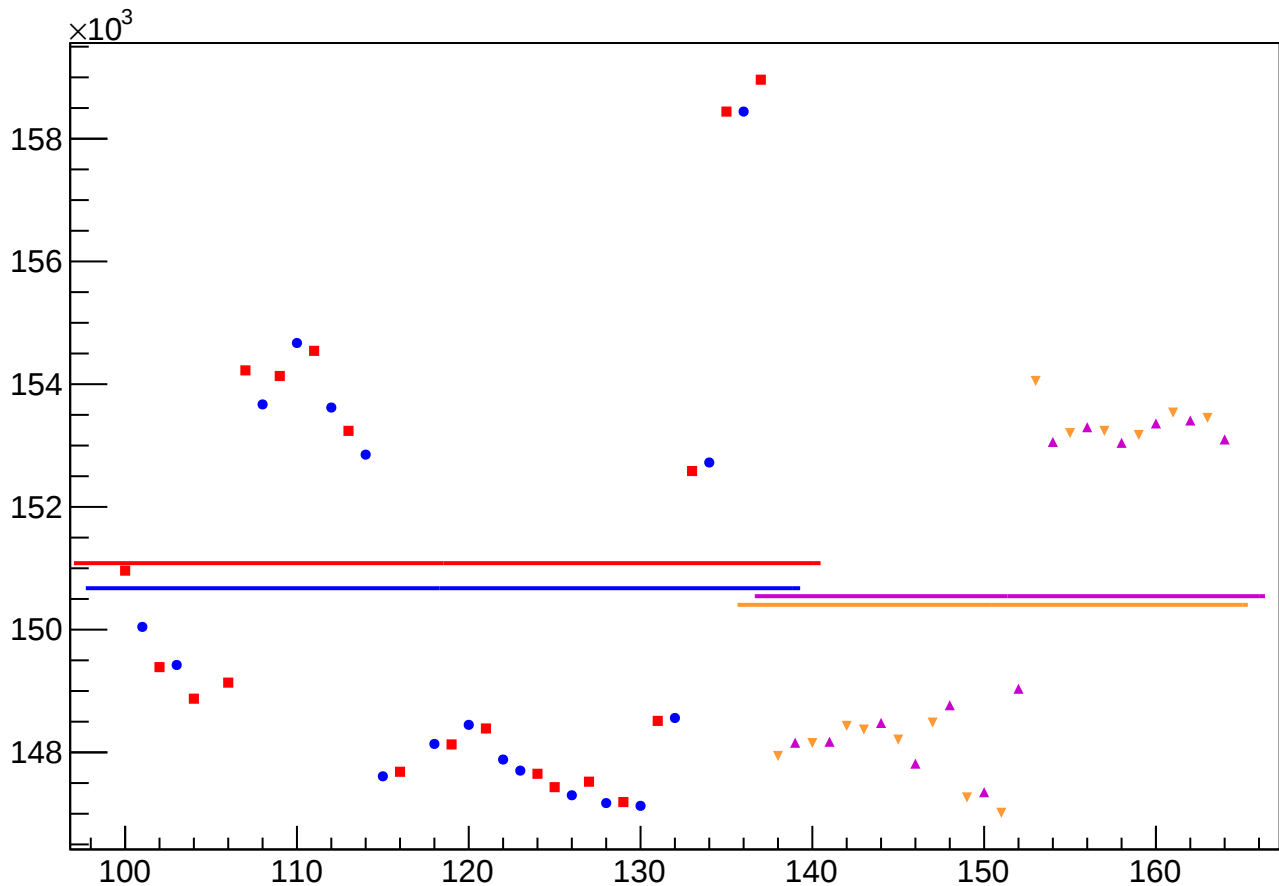
Right: 0.861 $\pm$ 0.000 χ^2 /NDF: 5489376.5/35

In: 0.874 $\pm$ 0.000 χ^2 /NDF:2827038.8/29

Out: 0.881 $\pm$ 0.000 χ^2 /NDF:2987530.1/32

All: 0.877 $\pm$ 0.000 χ^2 /NDF: 5815292.4/62

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 150675.025 $\pm$ 0.063

χ^2 /NDF: 3309974859.4/16

Left: 150472.267 $\pm$ 0.042

χ^2 /NDF: 3916638300.4/2

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: 150607.508 $\pm$ 0.044

χ^2 /NDF: 4976526159.4/29

Out: 150736.401 $\pm$ 0.042

χ^2 /NDF: 5616423308.0/3

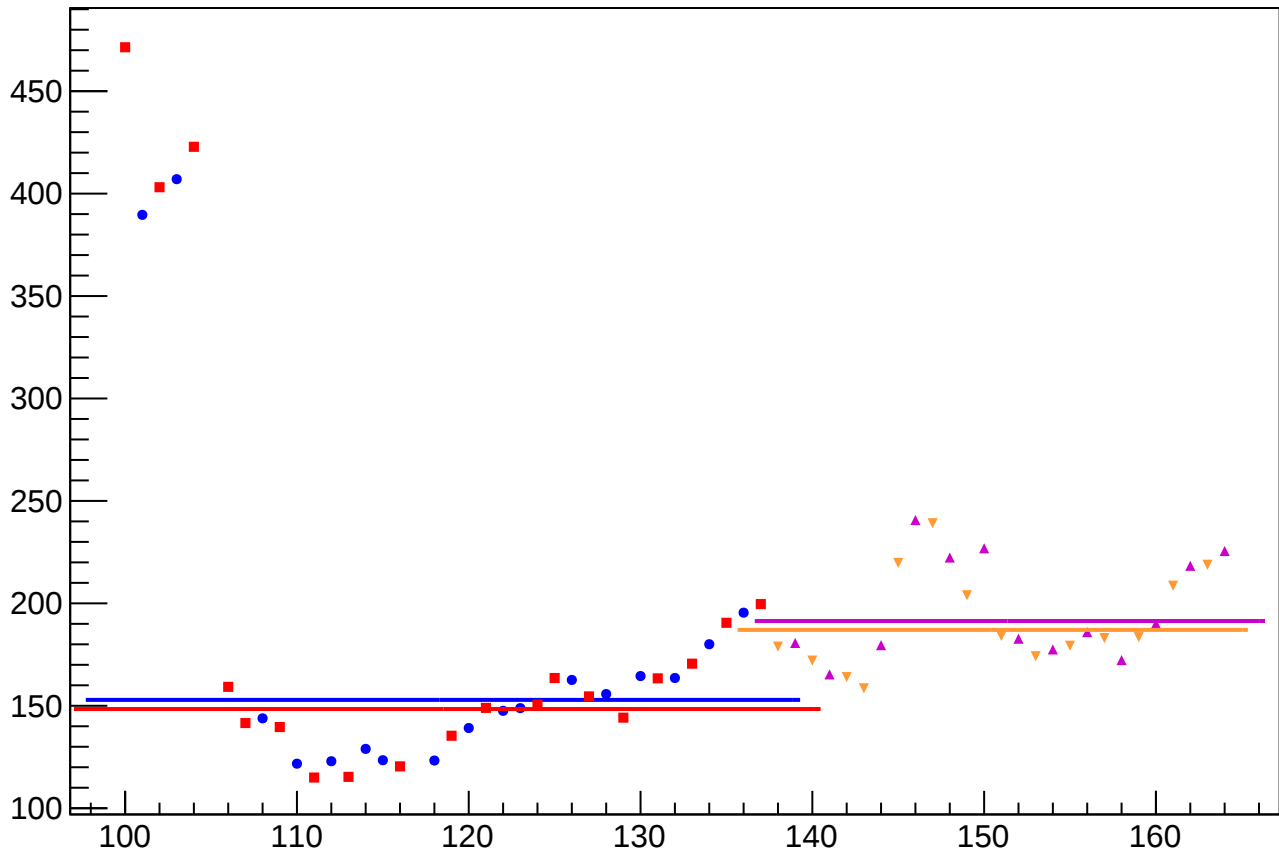
Left In: 150545.229 $\pm$ 0.060

χ^2 /NDF: 1664340622.3/12

All: 150674.764 $\pm$ 0.030

χ^2 /NDF: 105975070

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: 191.375 $\pm$ 0.043 χ^2 /NDF:277394.4/12

Left: 189.135 $\pm$ 0.030 χ^2 /NDF: 536712.4/26

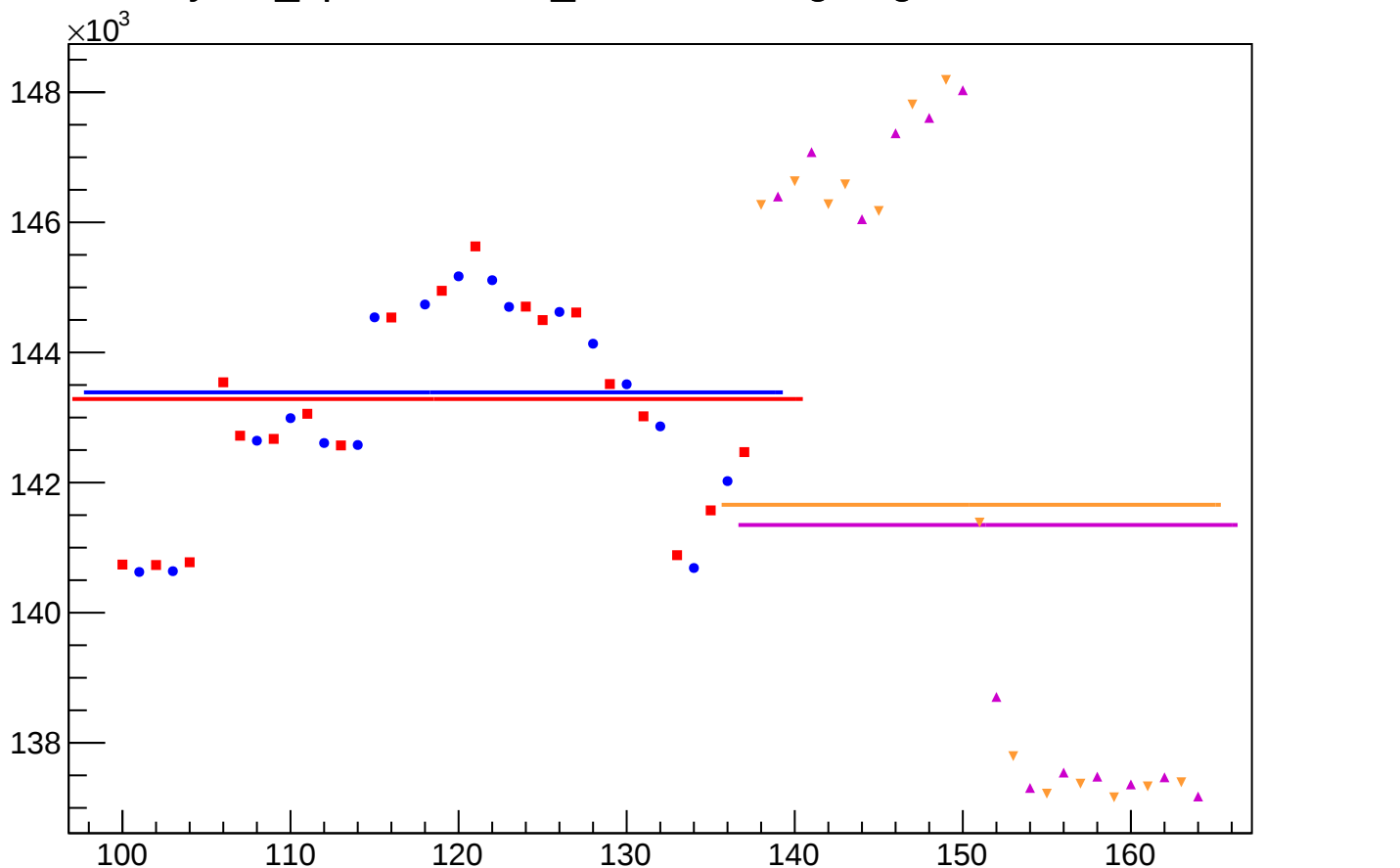
Right: 150.532 $\pm$ 0.031 χ^2 /NDF: 2350963.4/35

In: 172.906 $\pm$ 0.031 χ^2 /NDF:1820328.1/29

Out: 168.147 $\pm$ 0.030 χ^2 /NDF:1873326.0/32

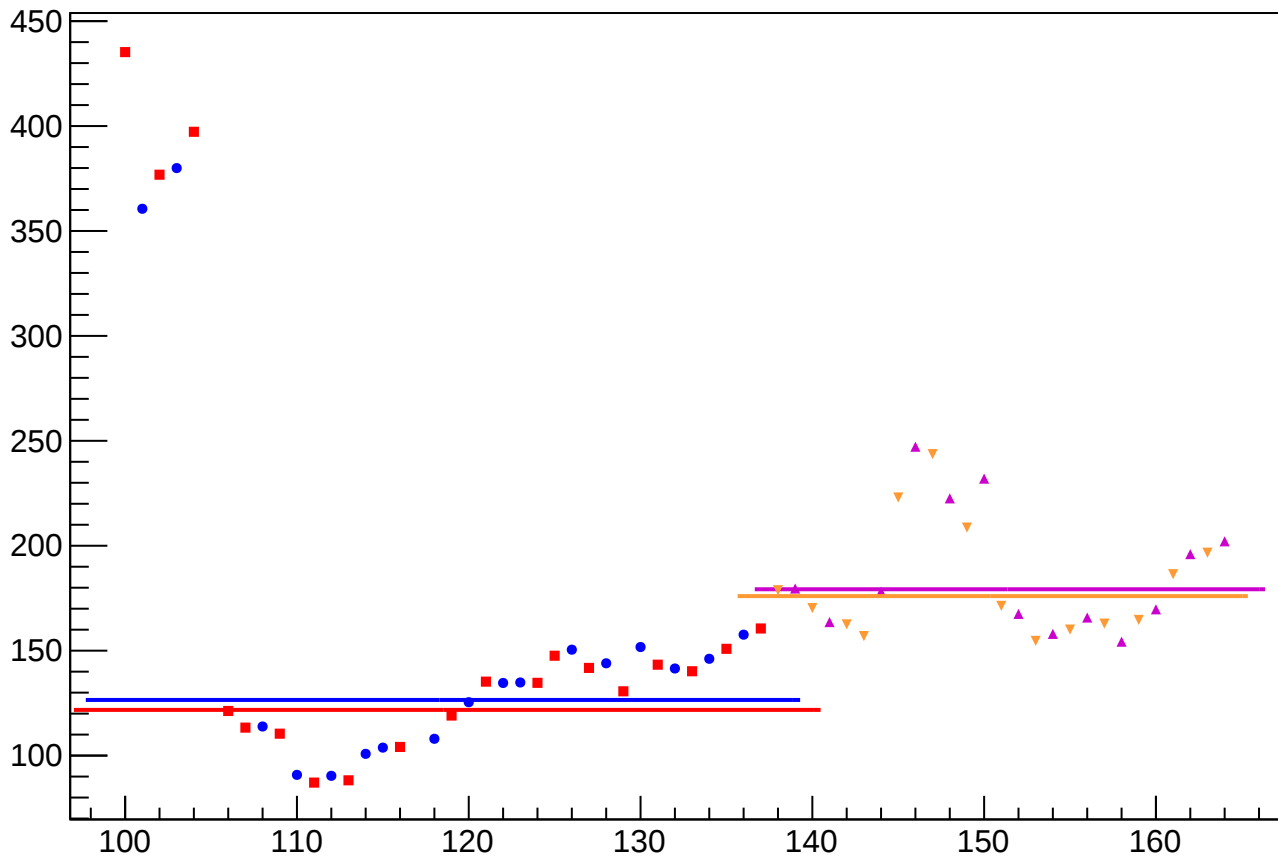
All: 170.423 $\pm$ 0.021 χ^2 /NDF: 3706079.6/62

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143387.099 $\pm$ 0.053	χ^2 /NDF: 521299875.7/16	Left: 141508.561 $\pm$ 0.040	χ^2 /NDF: 13307602202.3
Left Out: 141659.035 $\pm$ 0.055	χ^2 /NDF: 6701124339.6/13	Right: 143332.291 $\pm$ 0.036	χ^2 /NDF: 1131952524.8
Right Out: 143284.757 $\pm$ 0.049	χ^2 /NDF: 608634820.1/18	In: 142444.902 $\pm$ 0.039	χ^2 /NDF: 7803386986.0/29
Left In: 141348.473 $\pm$ 0.057	χ^2 /NDF: 6591108635.7/12	Out: 142565.791 $\pm$ 0.037	χ^2 /NDF: 7794577915.3/3
		All: 142508.547 $\pm$ 0.027	χ^2 /NDF: 156031111

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: 179.264 $\pm$ 0.040 χ^2 /NDF:403595.7/12

Left: 177.582 $\pm$ 0.028 χ^2 /NDF: 745753.6/26

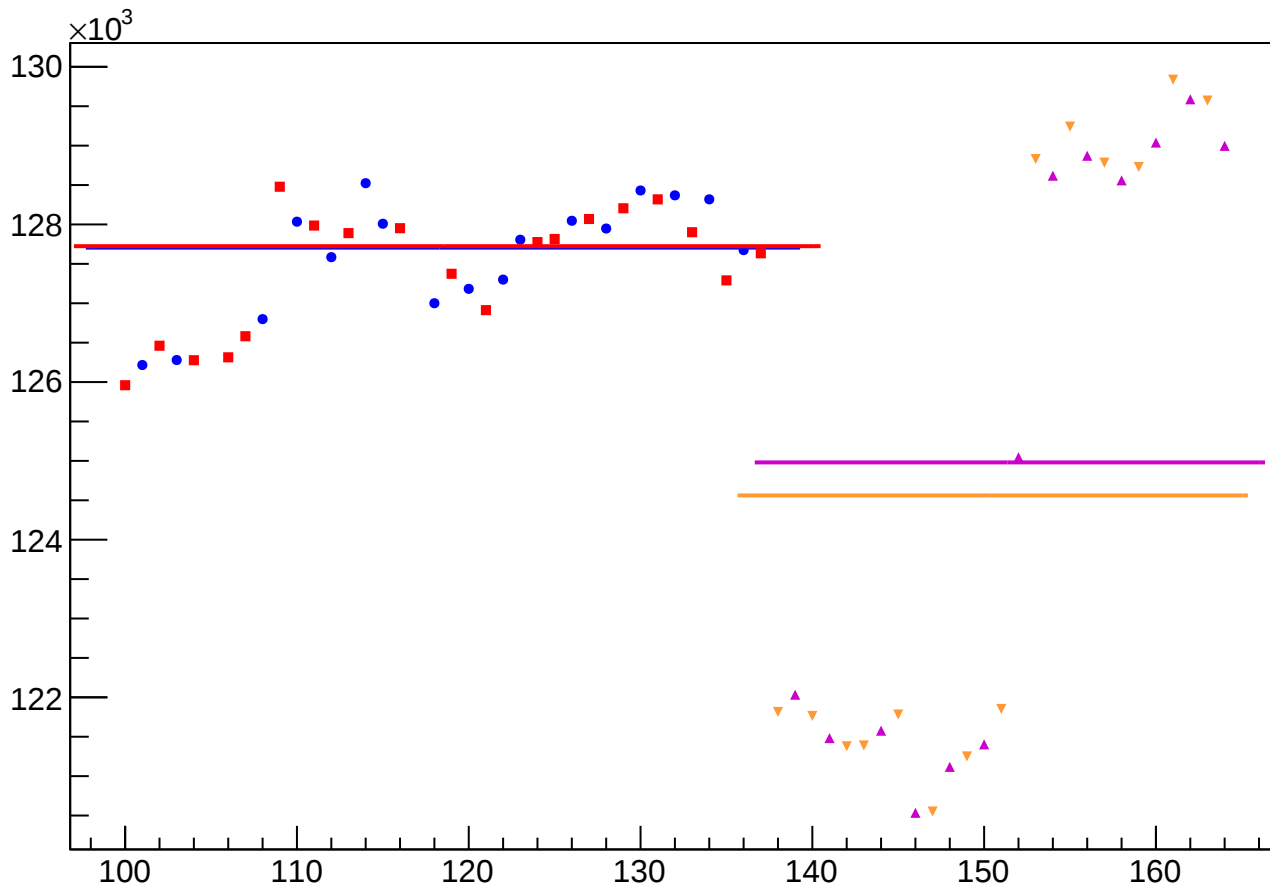
Right: 123.975 $\pm$ 0.025 χ^2 /NDF: 2914178.1/35

In: 150.893 $\pm$ 0.027 χ^2 /NDF:2770530.4/29

Out: 145.755 $\pm$ 0.026 χ^2 /NDF:2881504.5/32

All: 148.188 $\pm$ 0.019 χ^2 /NDF: 5670632.7/62

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: 124980.549 $\pm$ 0.053 χ^2 /NDF: 4533854127.2/12

Left: 124773.996 $\pm$ 0.038 χ^2 /NDF: 9399061116.1/2

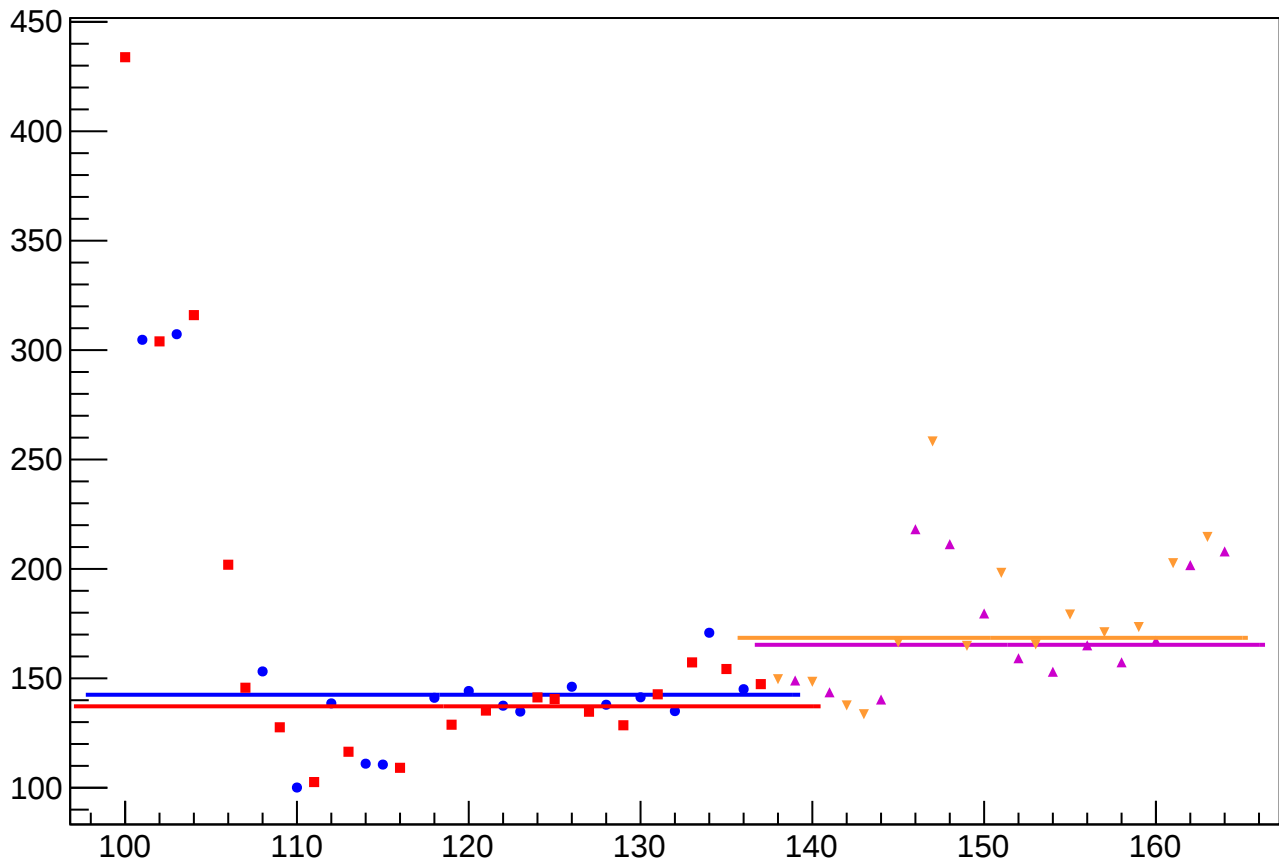
Right: 127715.791 $\pm$ 0.040 χ^2 /NDF: 210526259.6/3

In: 126212.871 $\pm$ 0.039 χ^2 /NDF: 5839194823.2/29

Out: 126111.863 $\pm$ 0.038 χ^2 /NDF: 6661784641.6/3

All: 126161.236 $\pm$ 0.027 χ^2 /NDF: 125044015

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: 165.325 $\pm$ 0.037 χ^2 /NDF: 397080.2/12

Left: 166.897 $\pm$ 0.027 χ^2 /NDF: 922234.6/26

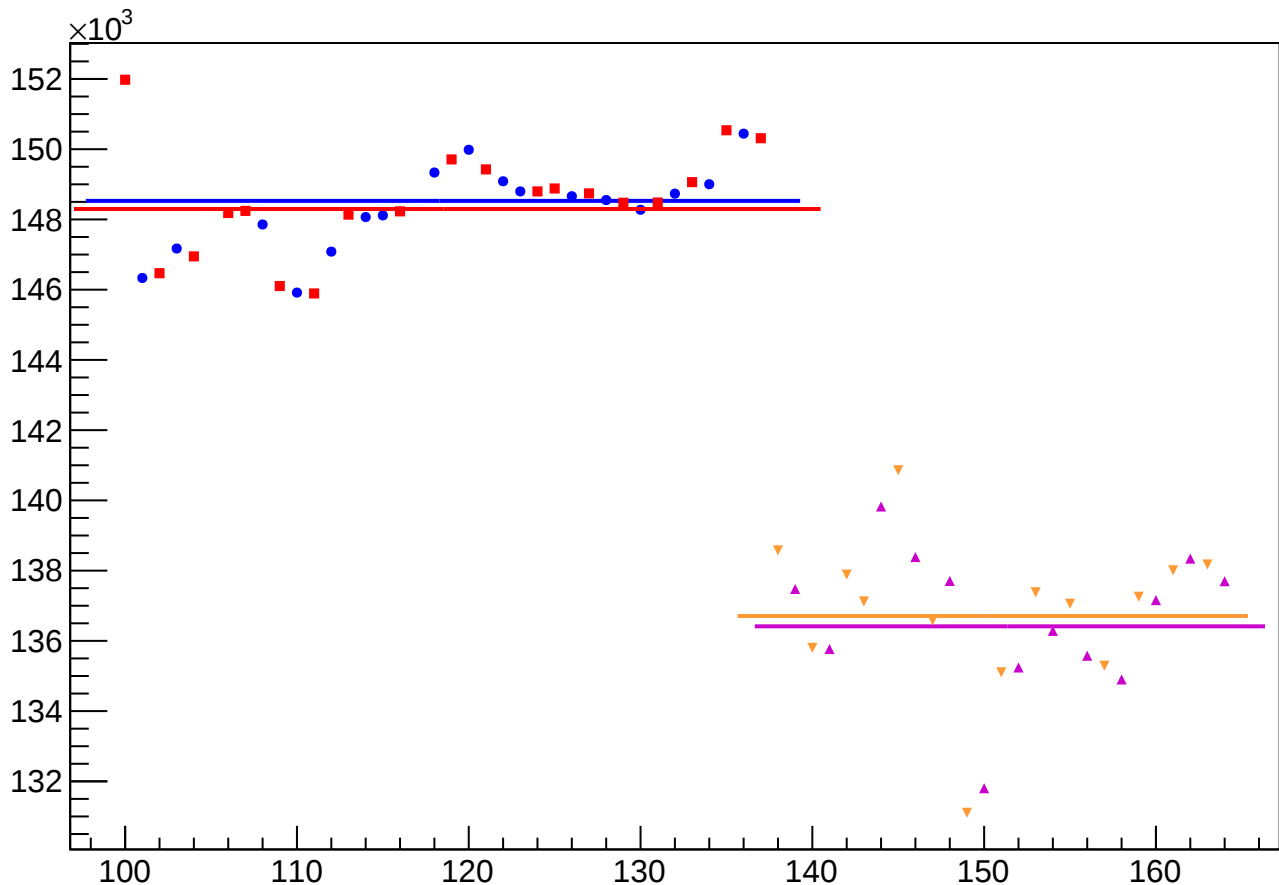
Right: 139.691 $\pm$ 0.028 χ^2 /NDF: 1802403.2/35

In: 155.006 $\pm$ 0.028 χ^2 /NDF: 1402669.7/29

Out: 153.170 $\pm$ 0.027 χ^2 /NDF: 1814876.9/32

All: 154.067 $\pm$ 0.019 χ^2 /NDF: 3219807.8/62

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: 136413.826 $\pm$ 0.078

χ^2 /NDF: 637290678.9/12

Left: 136560.451 $\pm$ 0.055

χ^2 /NDF: 1454086130.6/2

Right: 148404.723 $\pm$ 0.056

χ^2 /NDF: 507501516.8/3

In: 142161.641 $\pm$ 0.057

χ^2 /NDF: 12299684701.2/2

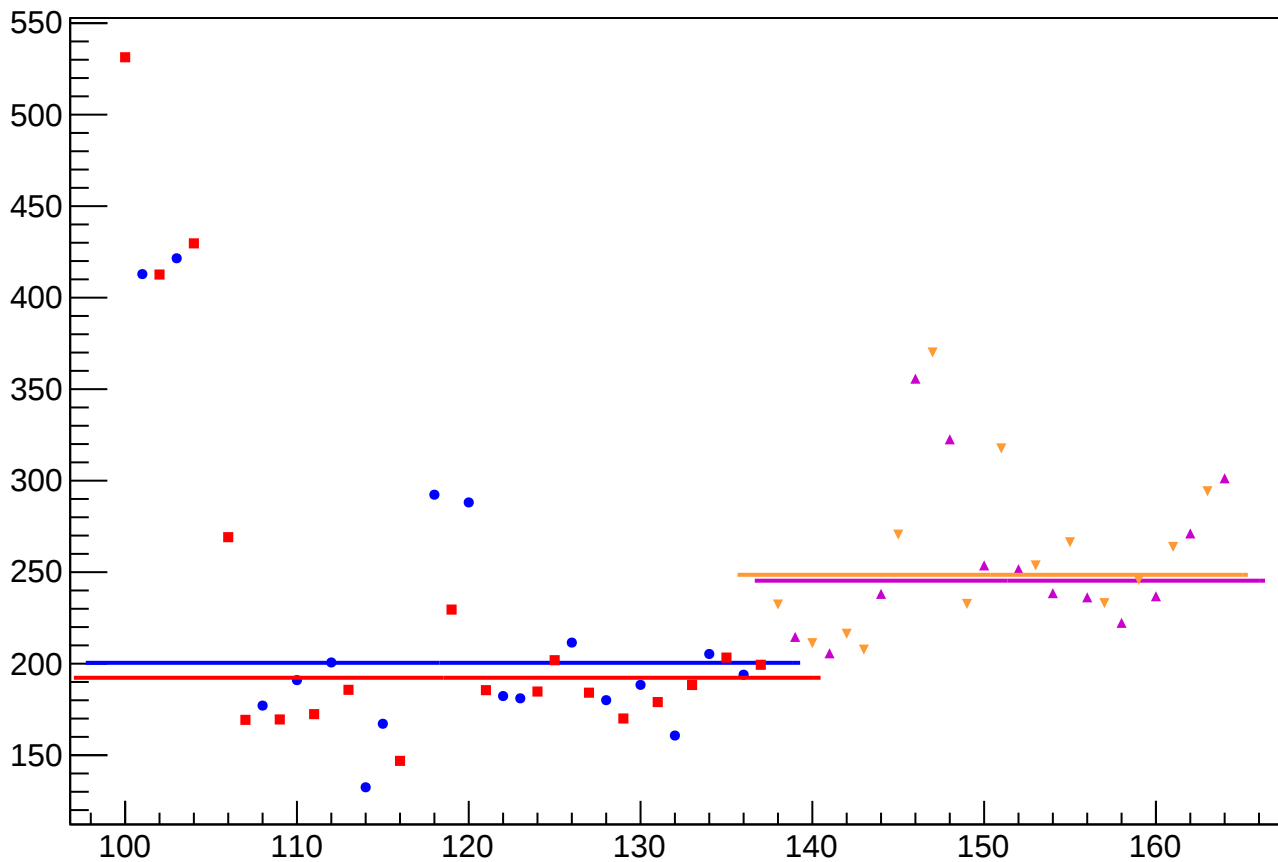
Out: 142643.774 $\pm$ 0.055

χ^2 /NDF: 12324035520.5

All: 142410.705 $\pm$ 0.039

χ^2 /NDF: 246612974

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 248.566 $\pm$ 0.055 χ^2 /NDF: 436068.4/13

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

Left In: 245.343 $\pm$ 0.055 χ^2 /NDF: 409255.9/12

Left: 246.948 $\pm$ 0.039 χ^2 /NDF: 847025.1/26

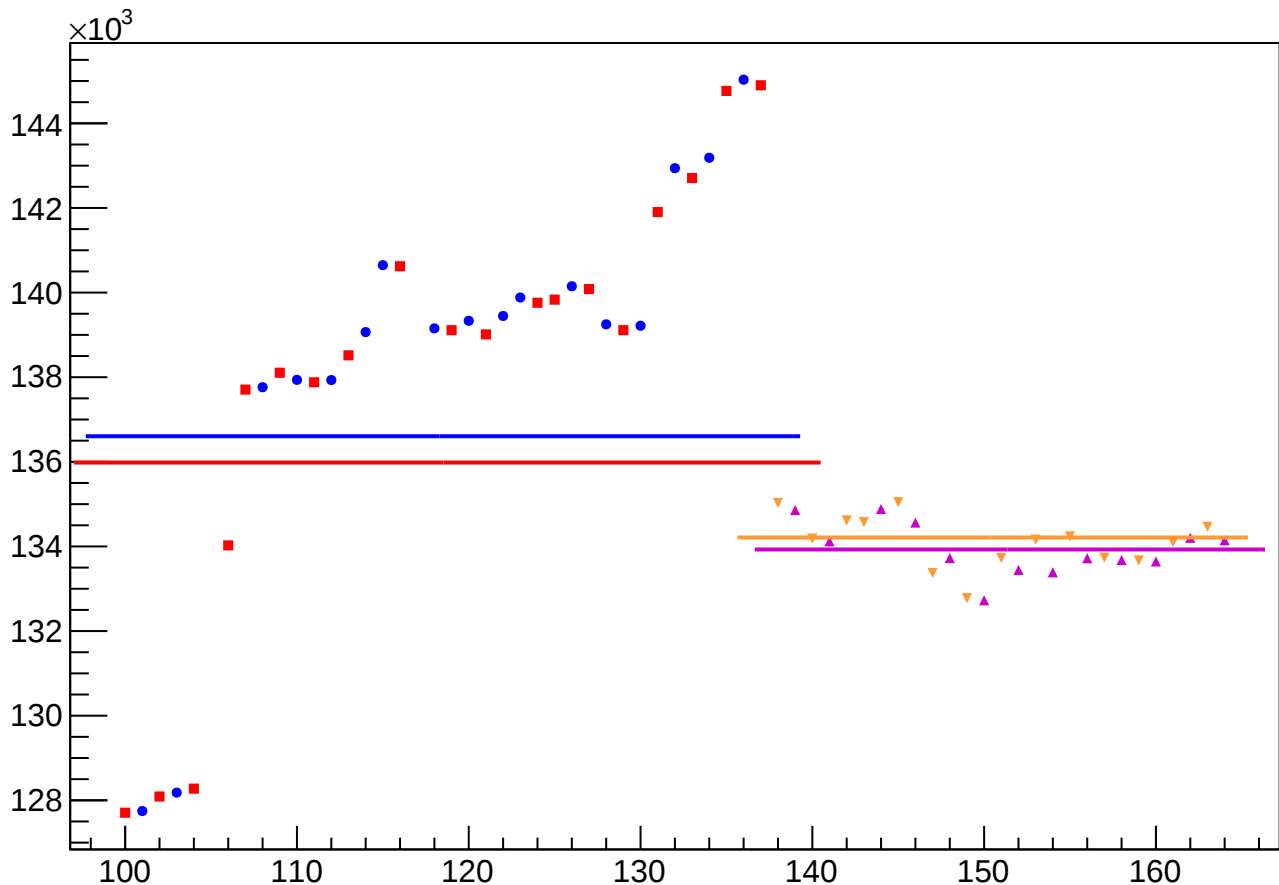
Right: 196.097 $\pm$ 0.040 χ^2 /NDF: 1791663.0/35

In: 224.055 $\pm$ 0.040 χ^2 /NDF: 1660007.4/29

Out: 219.750 $\pm$ 0.039 χ^2 /NDF: 1809513.2/32

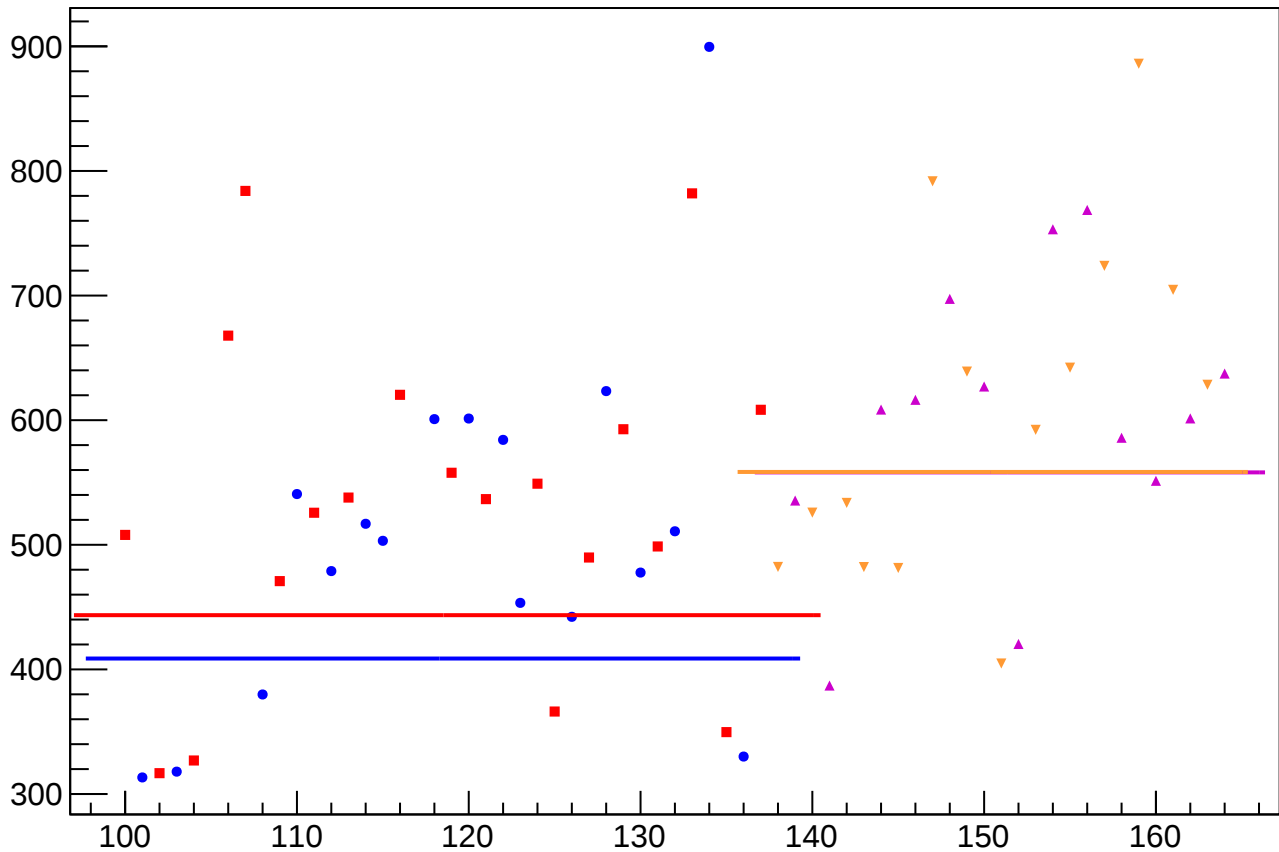
All: 221.831 $\pm$ 0.028 χ^2 /NDF: 3475511.8/62

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 136604.632 $\pm$ 0.171	χ^2 /NDF: 1494354557.3/16	Left: 134073.923 $\pm$ 0.133	χ^2 /NDF: 21375197.2/26
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: 135407.555 $\pm$ 0.127	χ^2 /NDF: 1612585194.1/29
Left In: 133928.249 $\pm$ 0.191	χ^2 /NDF: 9224011.5/12	Out: 135111.109 $\pm$ 0.130	χ^2 /NDF: 1139700471.8/3
		All: 135262.456 $\pm$ 0.091	χ^2 /NDF: 275493345

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 558.458+/-0.131 χ^2/NDF : 818804.2/13

Right Out: 443.521+/-0.129 χ^2/NDF : 917492.4/18

Left In: 558.103+/-0.135 χ^2/NDF : 723239.3/12

Left: 558.285+/-0.094 χ^2/NDF : 1542047.0/26

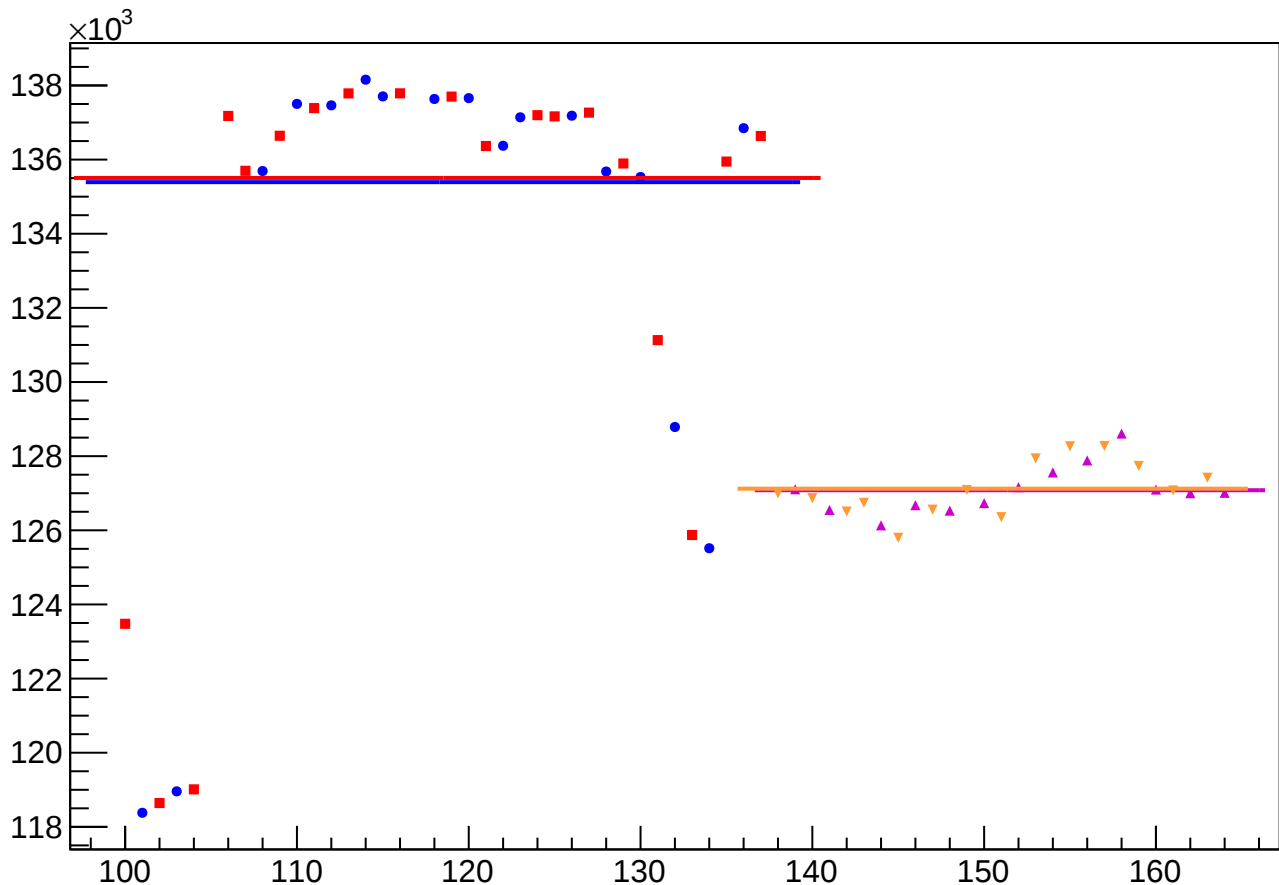
Right: 425.022+/-0.088 χ^2/NDF : 1779326.9/35

In: 475.540+/-0.090 χ^2/NDF : 2225599.6/29

Out: 500.100+/-0.092 χ^2/NDF : 2126009.8/32

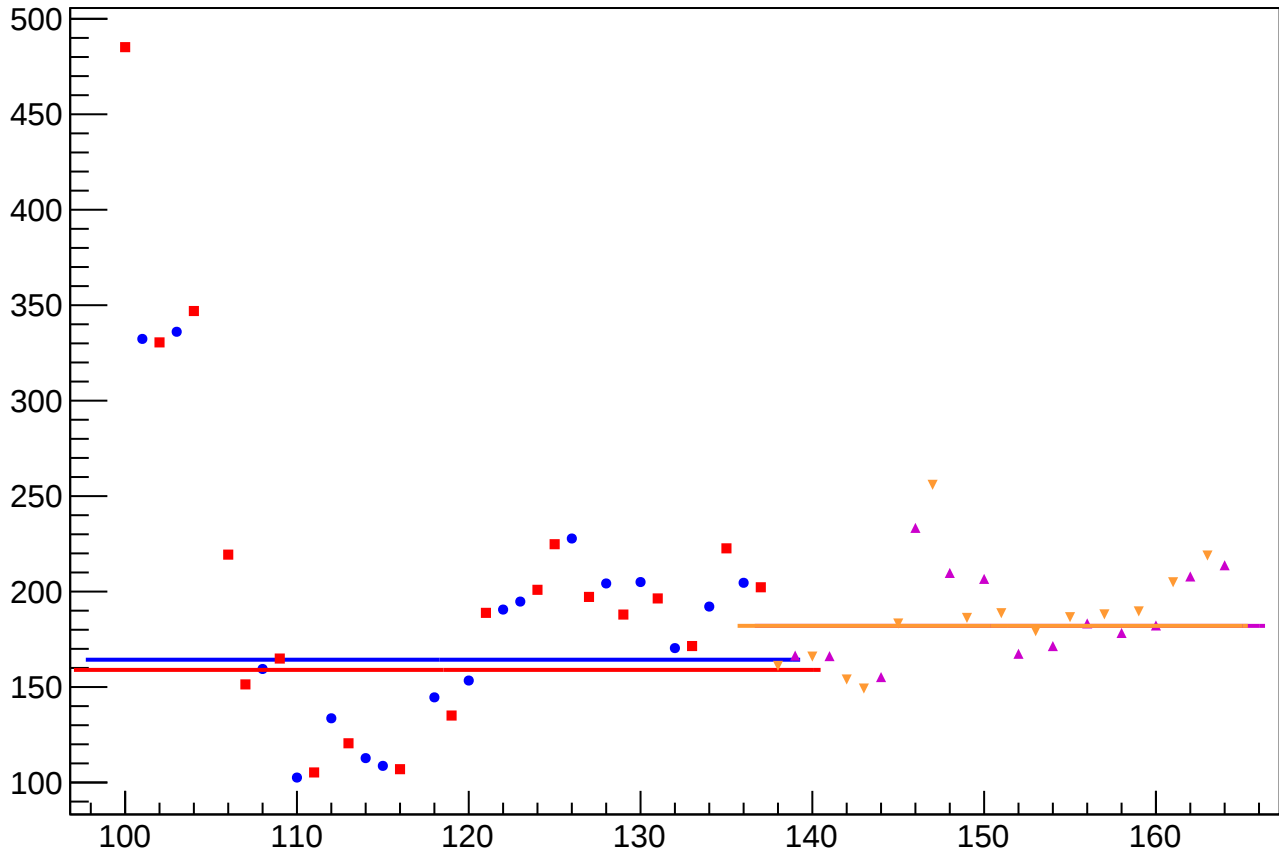
All: 487.561+/-0.064 χ^2/NDF : 4387957.7/62

yield_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 135391.458 $\pm$ 0.068	χ^2 /NDF: 4580024611.0/16	Left: 127102.274 $\pm$ 0.041	χ^2 /NDF: 284057560.4/26
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: 130543.635 $\pm$ 0.044	χ^2 /NDF: 13356799528.0/
Left In: 127081.271 $\pm$ 0.058	χ^2 /NDF: 131543164.3/12	Out: 130819.384 $\pm$ 0.043	χ^2 /NDF: 14354954267.7
		All: 130685.643 $\pm$ 0.031	χ^2 /NDF: 277319228

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: 182.034+/-0.041 χ^2/NDF : 272844.6/12

Left: 182.043+/-0.029 χ^2/NDF : 601150.3/26

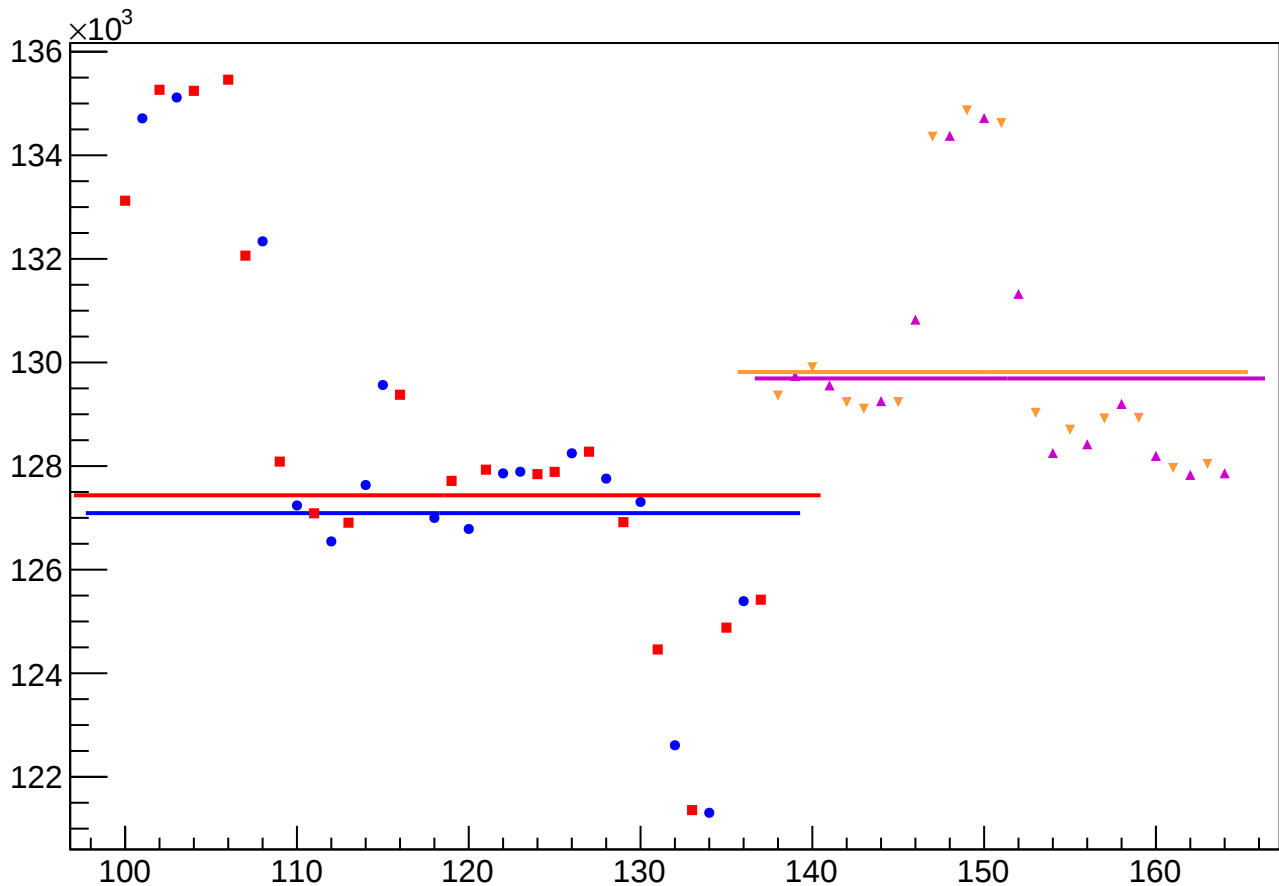
Right: 161.489+/-0.033 χ^2/NDF : 2621008.2/35

In: 174.650+/-0.031 χ^2/NDF : 1581969.3/29

Out: 171.876+/-0.030 χ^2/NDF : 1855922.4/32

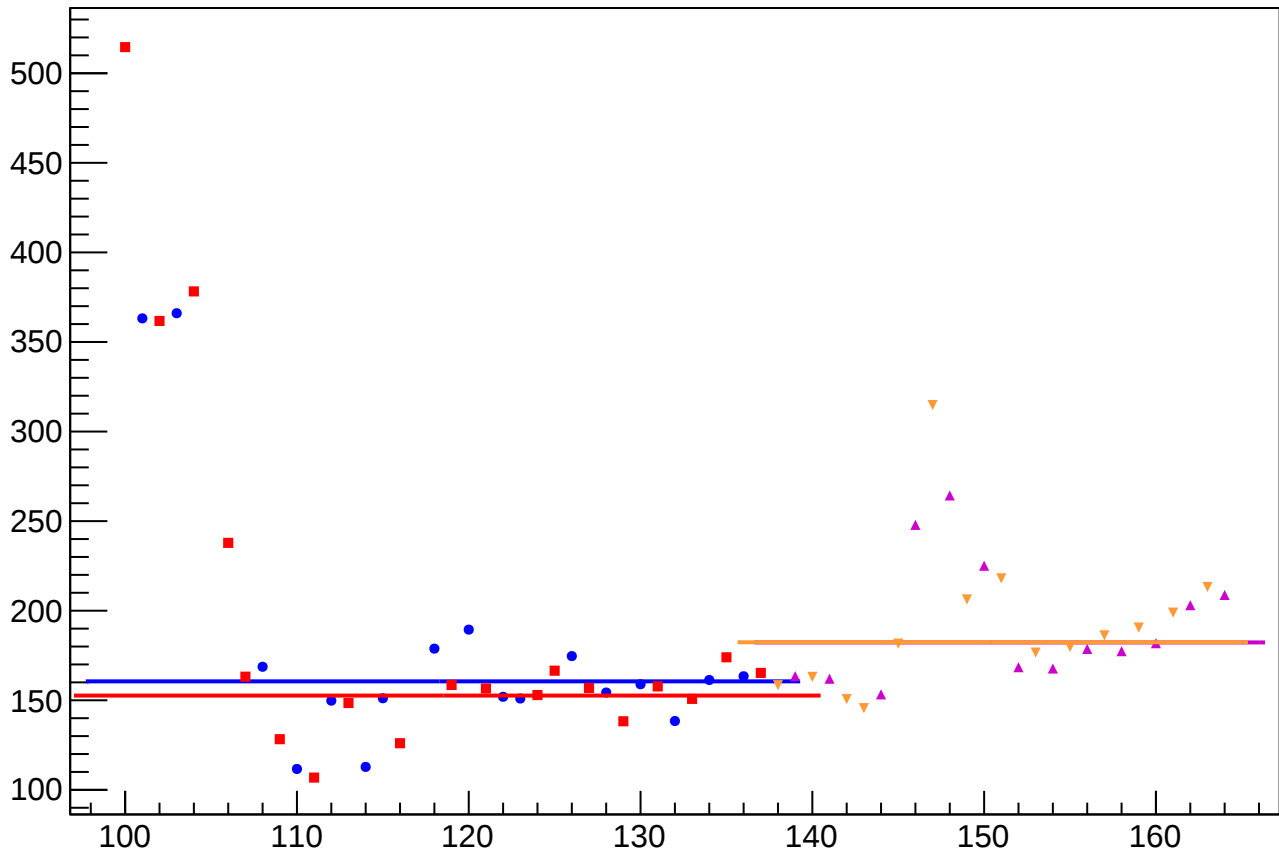
All: 173.221+/-0.022 χ^2/NDF : 3441974.3/62

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127091.500 $\pm$ 0.066	χ^2/NDF : 1717208780.6/16	Left: 129753.751 $\pm$ 0.041	χ^2/NDF : 2276928107.8/2
Left Out: 129815.123 $\pm$ 0.058	χ^2/NDF : 1240559721.6/13	Right: 127276.609 $\pm$ 0.045	χ^2/NDF : 3810794624.3/
Right Out: 127436.101 $\pm$ 0.062	χ^2/NDF : 2079075713.9/18	In: 128561.794 $\pm$ 0.044	χ^2/NDF : 3620926606.1/29
Left In: 129691.647 $\pm$ 0.058	χ^2/NDF : 1034098478.7/12	Out: 128700.619 $\pm$ 0.042	χ^2/NDF : 4113855486.9/3
		All: 128633.765 $\pm$ 0.030	χ^2/NDF : 774001235

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: 182.290 $\pm$ 0.041 χ^2 /NDF:484962.3/12

Left: 182.336 $\pm$ 0.029 χ^2 /NDF: 1041164.9/26

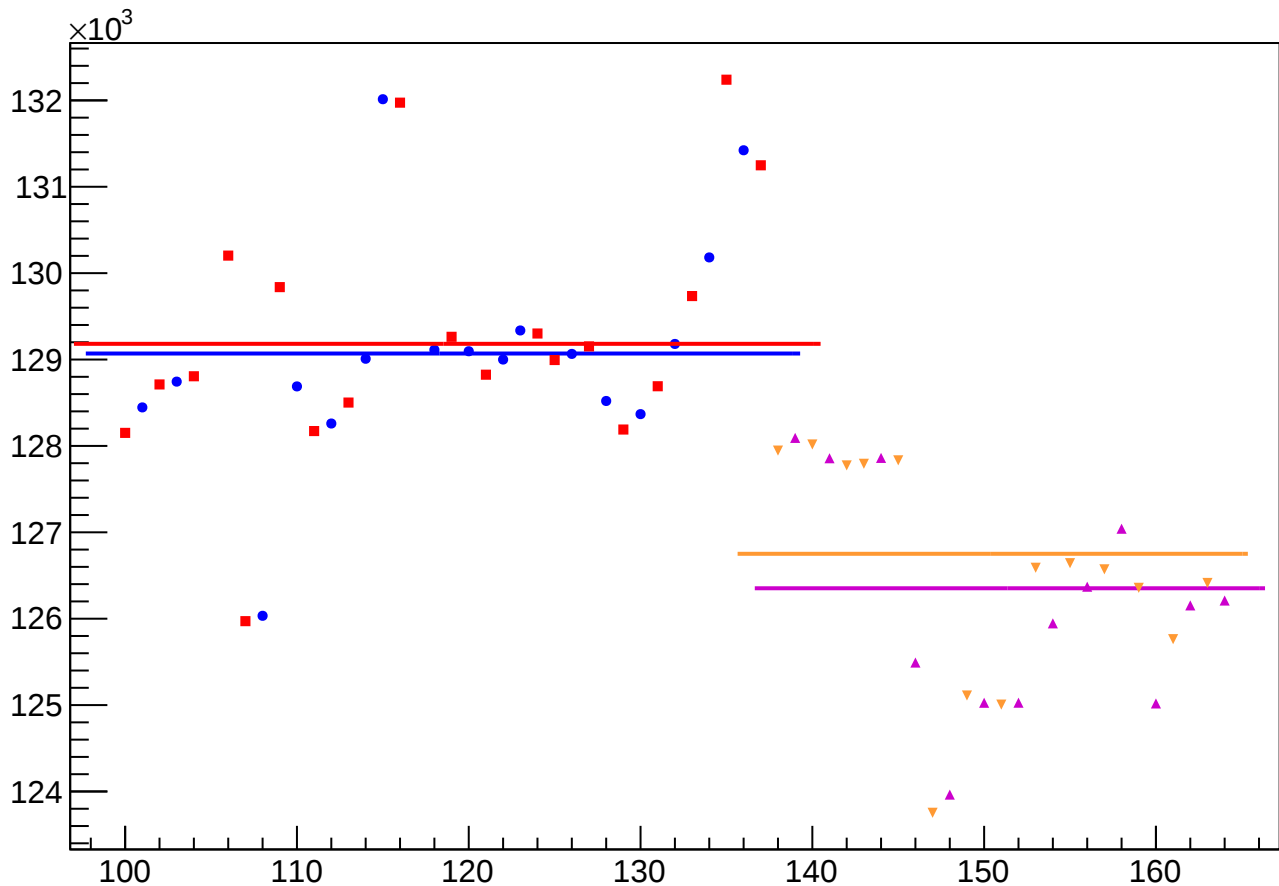
Right: 156.301 $\pm$ 0.032 χ^2 /NDF: 2044640.1/35

In: 172.850 $\pm$ 0.031 χ^2 /NDF:1549142.5/29

Out: 168.443 $\pm$ 0.030 χ^2 /NDF:1891156.9/32

All: 170.565 $\pm$ 0.021 χ^2 /NDF: 3450837.1/62

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 129069.668+/-0.060

χ^2/NDF : 476692316.5/16

Left Out: 126751.234+/-0.055

χ^2/NDF : 434242199.3/13

Right Out: 129181.887+/-0.056

χ^2/NDF : 625597399.6/18

Left In: 126352.221+/-0.056

χ^2/NDF : 507472410.8/12

Left: 126553.798+/-0.039

χ^2/NDF : 967335890.5/26

Right: 129129.710+/-0.041

χ^2/NDF : 1104150743.5/30

In: 127614.229+/-0.041

χ^2/NDF : 2076596152.7/29

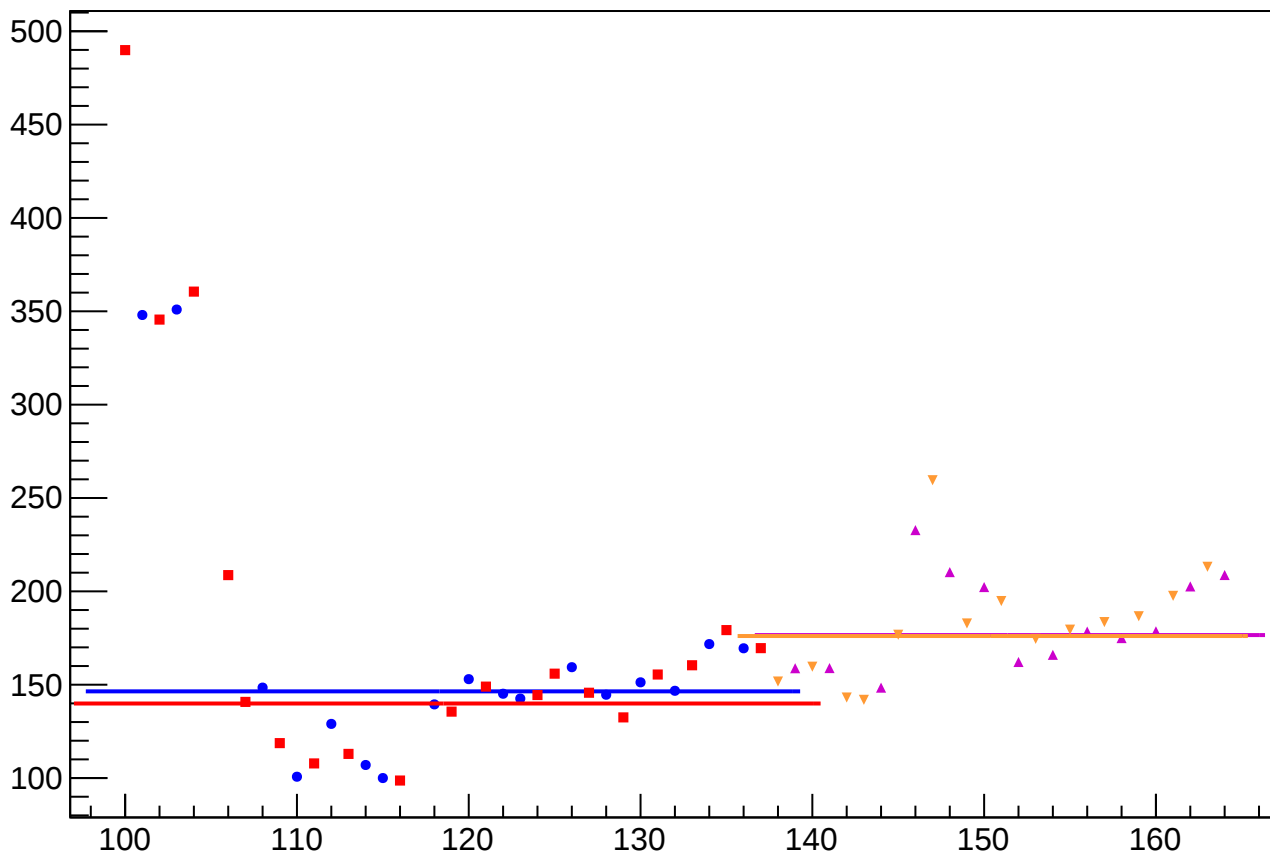
Out: 127952.598+/-0.039

χ^2/NDF : 2009533847.5/30

All: 127790.017+/-0.028

χ^2/NDF : 412150655.5/55

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 146.437+/-0.043 χ^2/NDF : 1064791.0/16

Left Out: 176.073+/-0.039 χ^2/NDF : 421843.6/13

Right Out: 139.929+/-0.040 χ^2/NDF : 1203570.9/18

Left In: 176.583+/-0.040 χ^2/NDF : 329813.3/12

Left: 176.325+/-0.028 χ^2/NDF : 751740.4/26

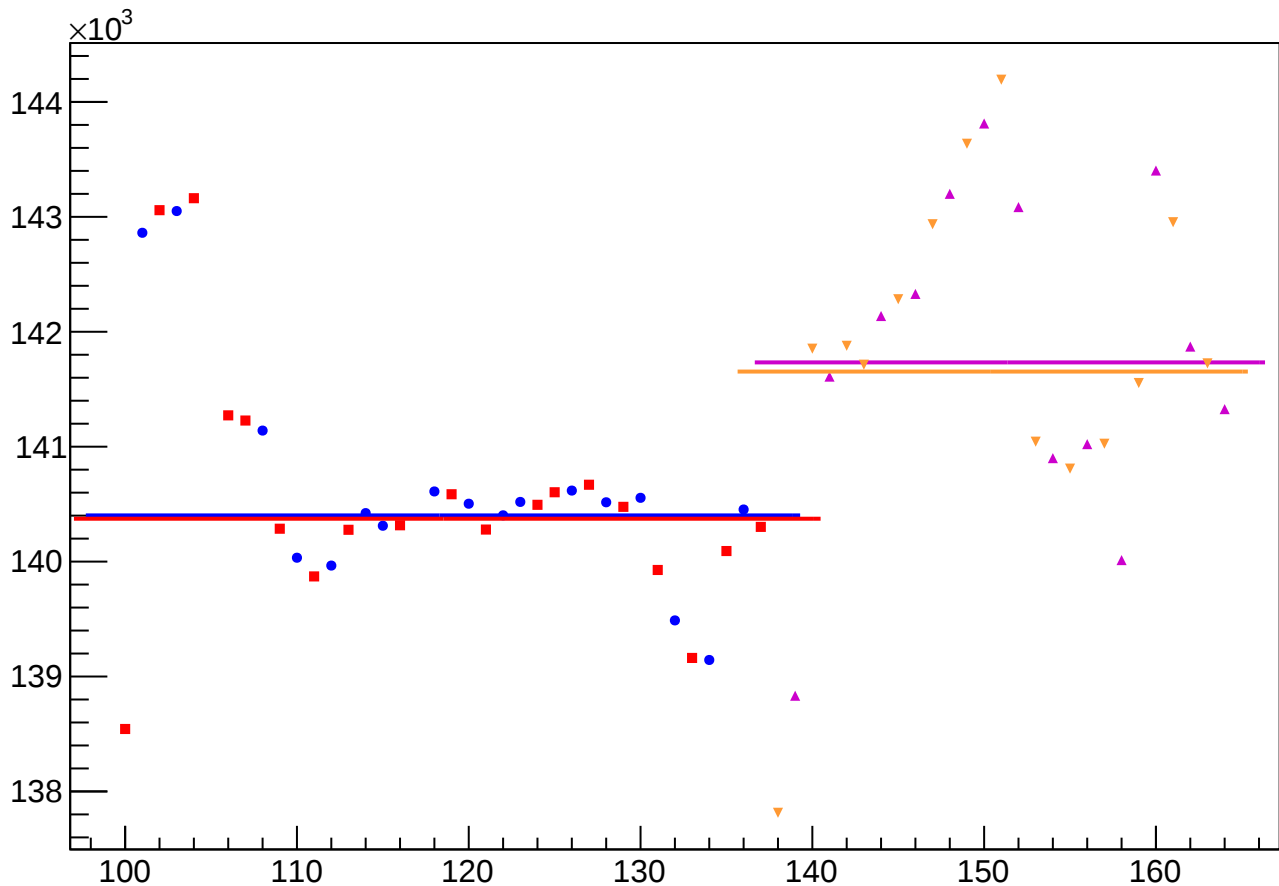
Right: 142.955+/-0.029 χ^2/NDF : 2280881.6/35

In: 162.583+/-0.029 χ^2/NDF : 1663473.1/29

Out: 158.209+/-0.028 χ^2/NDF : 2045409.2/32

All: 160.310+/-0.020 χ^2/NDF : 3720706.0/62

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 140402.010 $\pm$ 0.064

χ^2 /NDF: 88071774.7/16

Left: 141693.400 $\pm$ 0.046

χ^2 /NDF: 1049011658.1/2

Right: 140386.544 $\pm$ 0.044

χ^2 /NDF: 188034057.1/3

Left Out: 141653.686 $\pm$ 0.064

χ^2 /NDF: 583885182.8/13

In: 141065.496 $\pm$ 0.046

χ^2 /NDF: 765784105.6/29

Right Out: 140373.163 $\pm$ 0.060

χ^2 /NDF: 99854533.3/18

Out: 140967.966 $\pm$ 0.044

χ^2 /NDF: 896367054.9/32

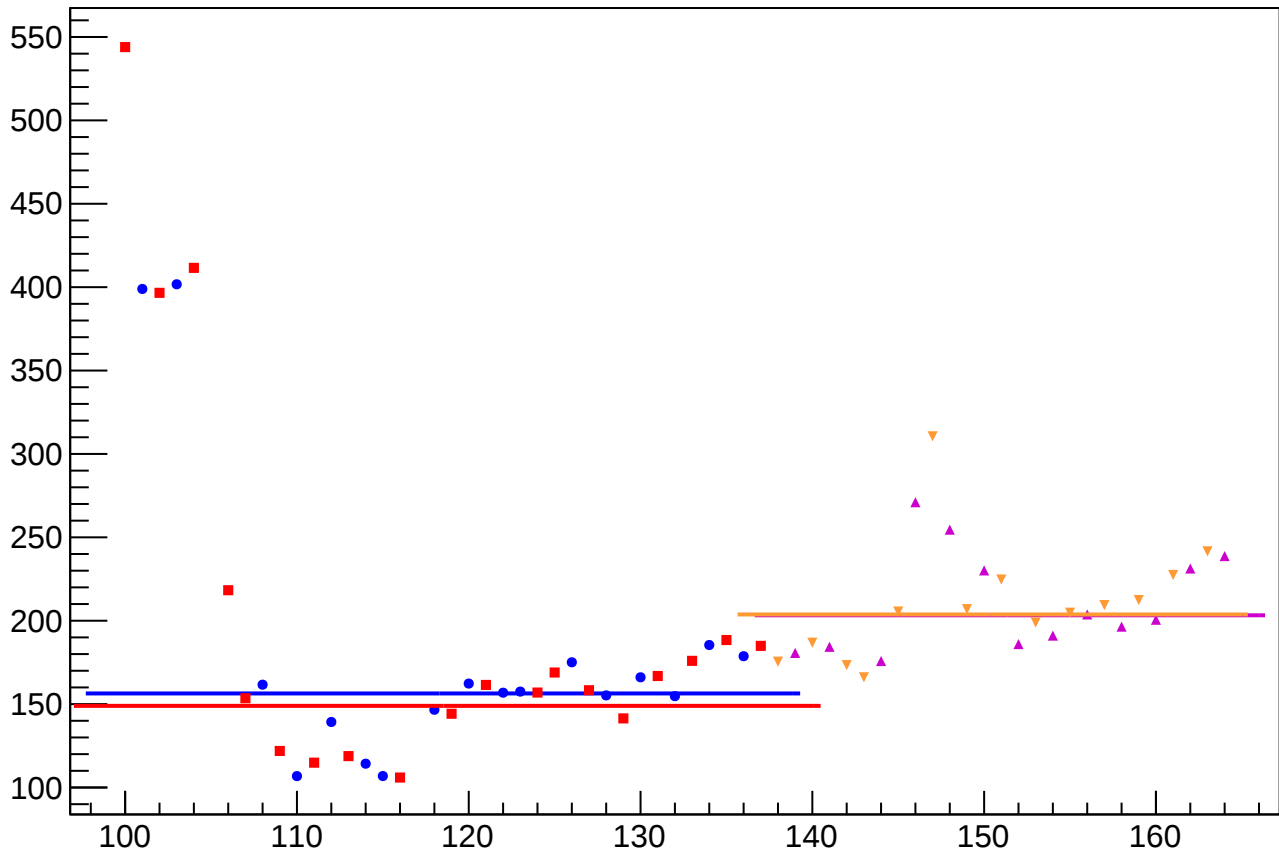
Left In: 141733.490 $\pm$ 0.065

χ^2 /NDF: 464359024.8/12

All: 141014.789 $\pm$ 0.032

χ^2 /NDF: 166453184

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: 203.260 $\pm$ 0.046 χ^2/NDF :334411.8/12

Left: 203.508 $\pm$ 0.032 χ^2/NDF : 731107.0/26

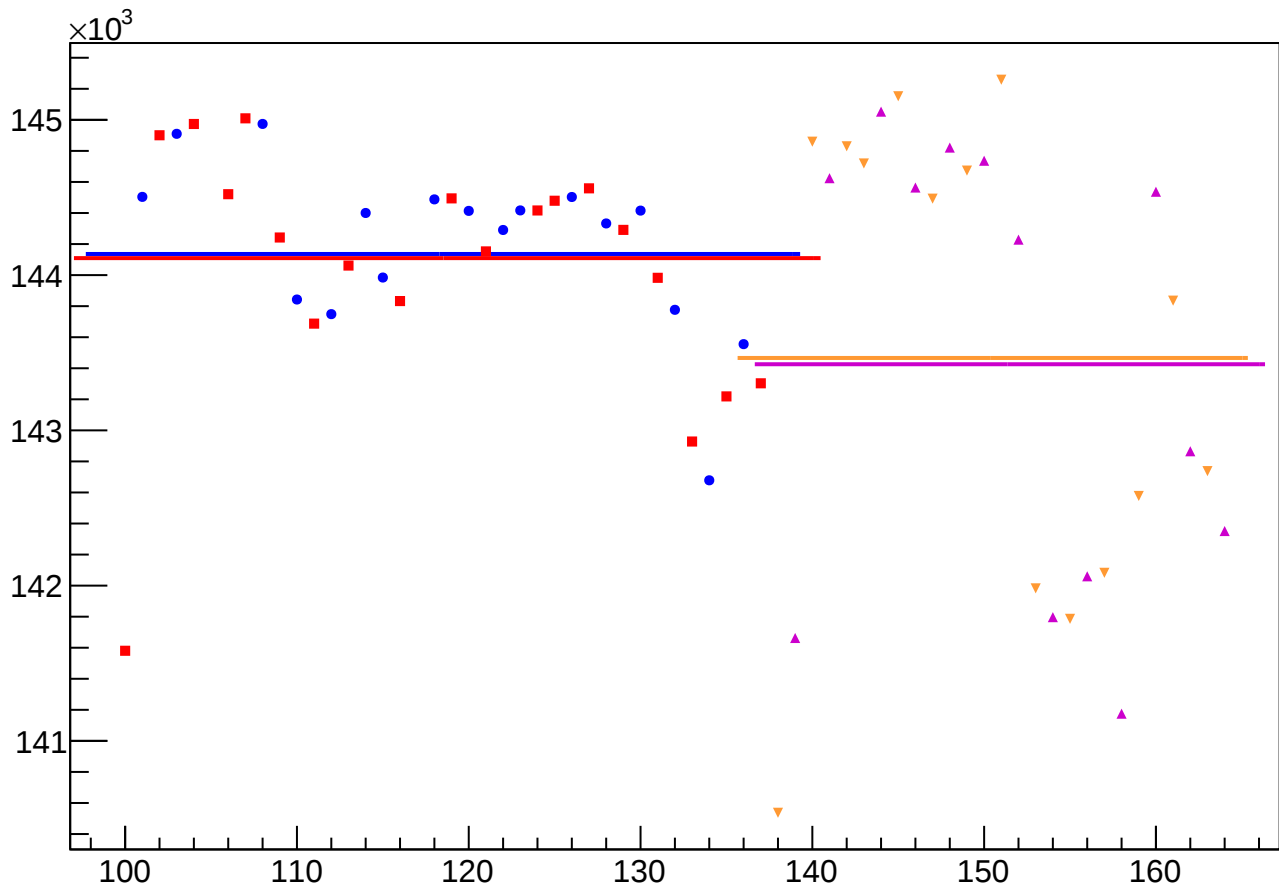
Right: 152.402 $\pm$ 0.031 χ^2/NDF : 2476807.4/35

In: 179.748 $\pm$ 0.032 χ^2/NDF :2017886.7/29

Out: 174.406 $\pm$ 0.031 χ^2/NDF :2483209.8/32

All: 176.970 $\pm$ 0.022 χ^2/NDF : 4515380.4/62

yield_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: 144136.118 $\pm$ 0.067

χ^2 /NDF: 47069480.3/16

Left: 143446.346 $\pm$ 0.045

χ^2 /NDF: 1091504841.7/2

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: 143767.599 $\pm$ 0.046

χ^2 /NDF: 604529328.8/29

Out: 143797.181 $\pm$ 0.044

χ^2 /NDF: 710264732.9/32

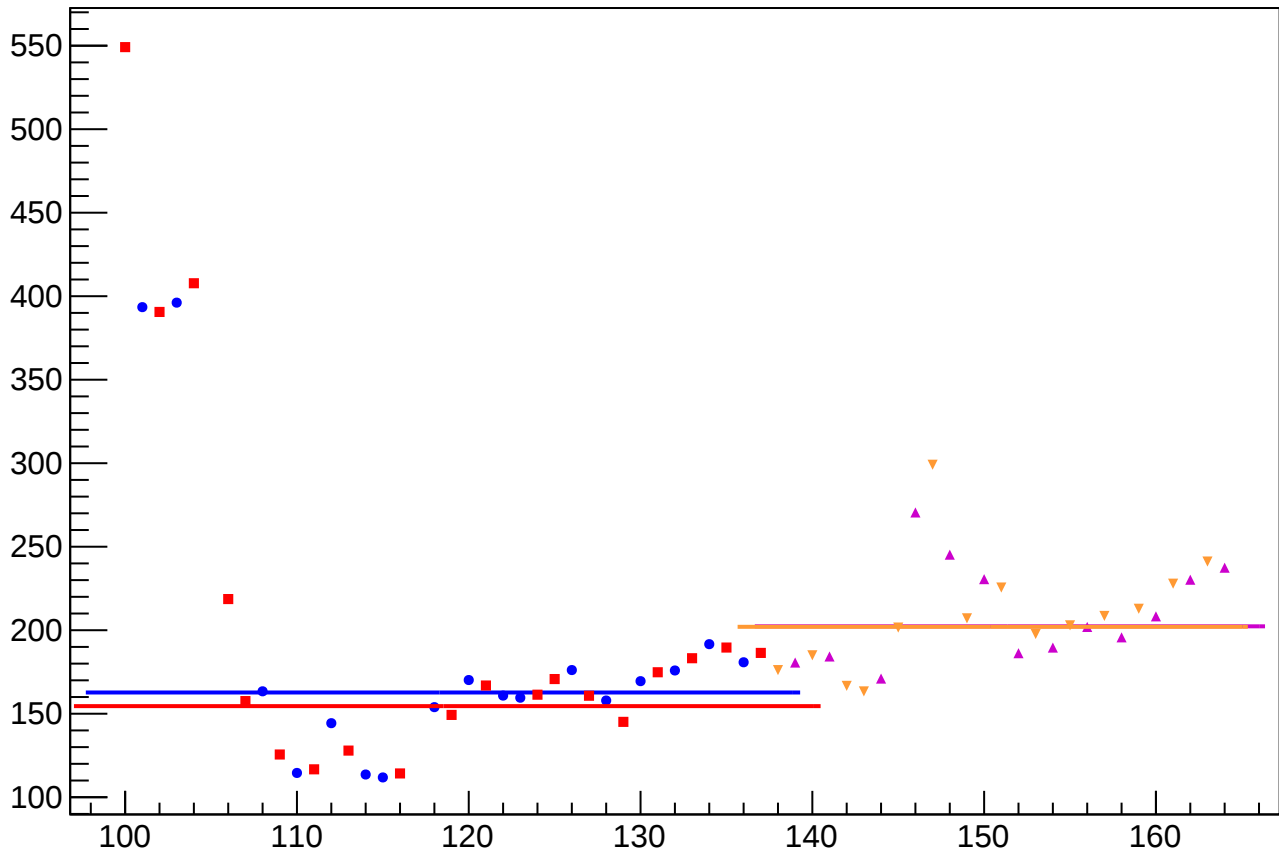
Left In: 143425.915 $\pm$ 0.064

χ^2 /NDF: 498753128.3/12

All: 143783.022 $\pm$ 0.032

χ^2 /NDF: 131500677

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: 202.332 $\pm$ 0.045 χ^2 /NDF:334086.3/12

Left: 202.185 $\pm$ 0.032 χ^2 /NDF: 734530.6/26

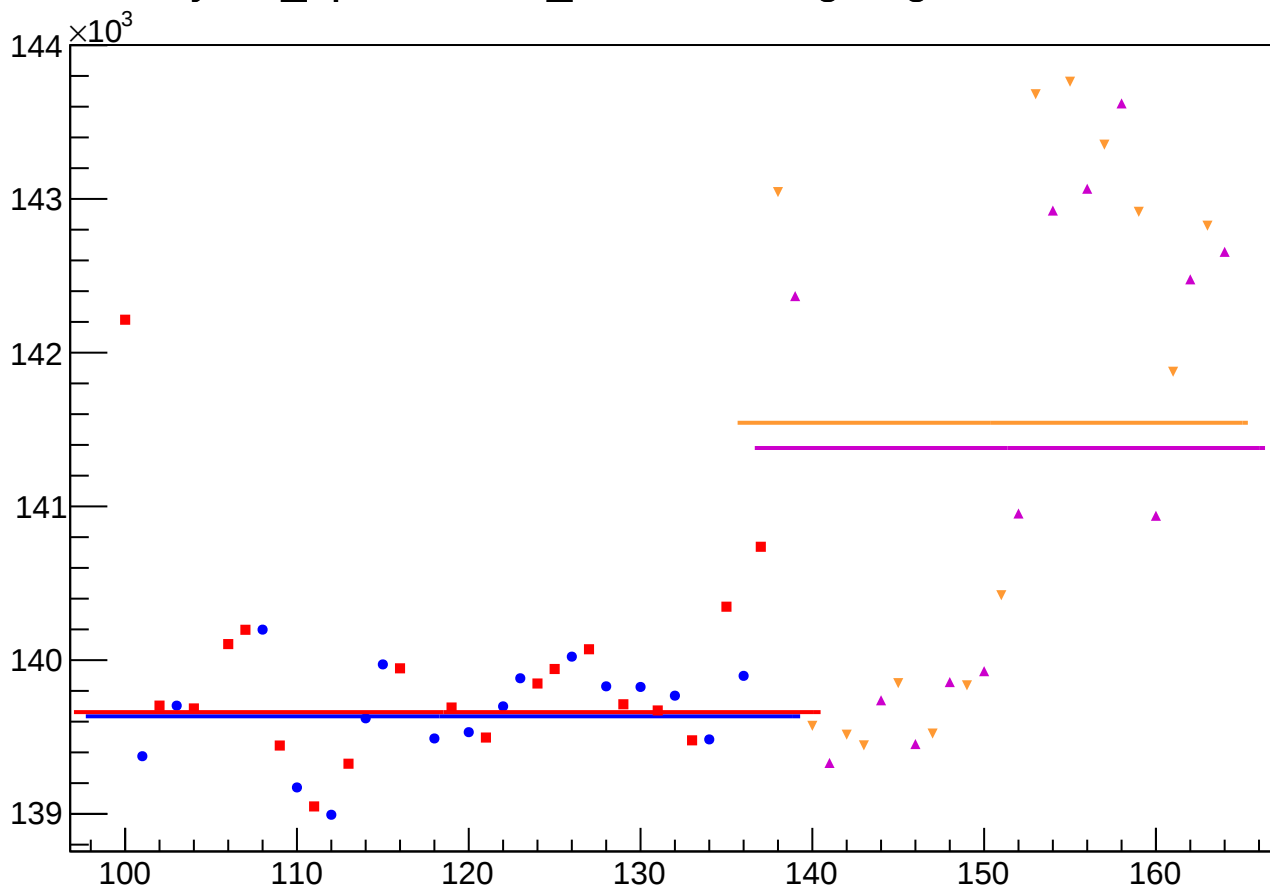
Right: 158.320 $\pm$ 0.032 χ^2 /NDF: 2300078.3/35

In: 183.271 $\pm$ 0.033 χ^2 /NDF:1765937.7/29

Out: 177.609 $\pm$ 0.031 χ^2 /NDF:2190248.1/32

All: 180.319 $\pm$ 0.023 χ^2 /NDF: 3971772.3/62

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139634.700+/-0.068

χ^2/NDF : 24844912.0/16

Left Out: 141544.053+/-0.067

χ^2/NDF : 668000784.7/13

Right Out: 139661.970+/-0.063

χ^2/NDF : 38372985.0/18

Left In: 141379.922+/-0.067

χ^2/NDF : 509230866.0/12

Left: 141461.750+/-0.047

χ^2/NDF : 1180245401.2/2

Right: 139649.322+/-0.046

χ^2/NDF : 63304699.0/35

In: 140520.544+/-0.048

χ^2/NDF : 870628552.7/29

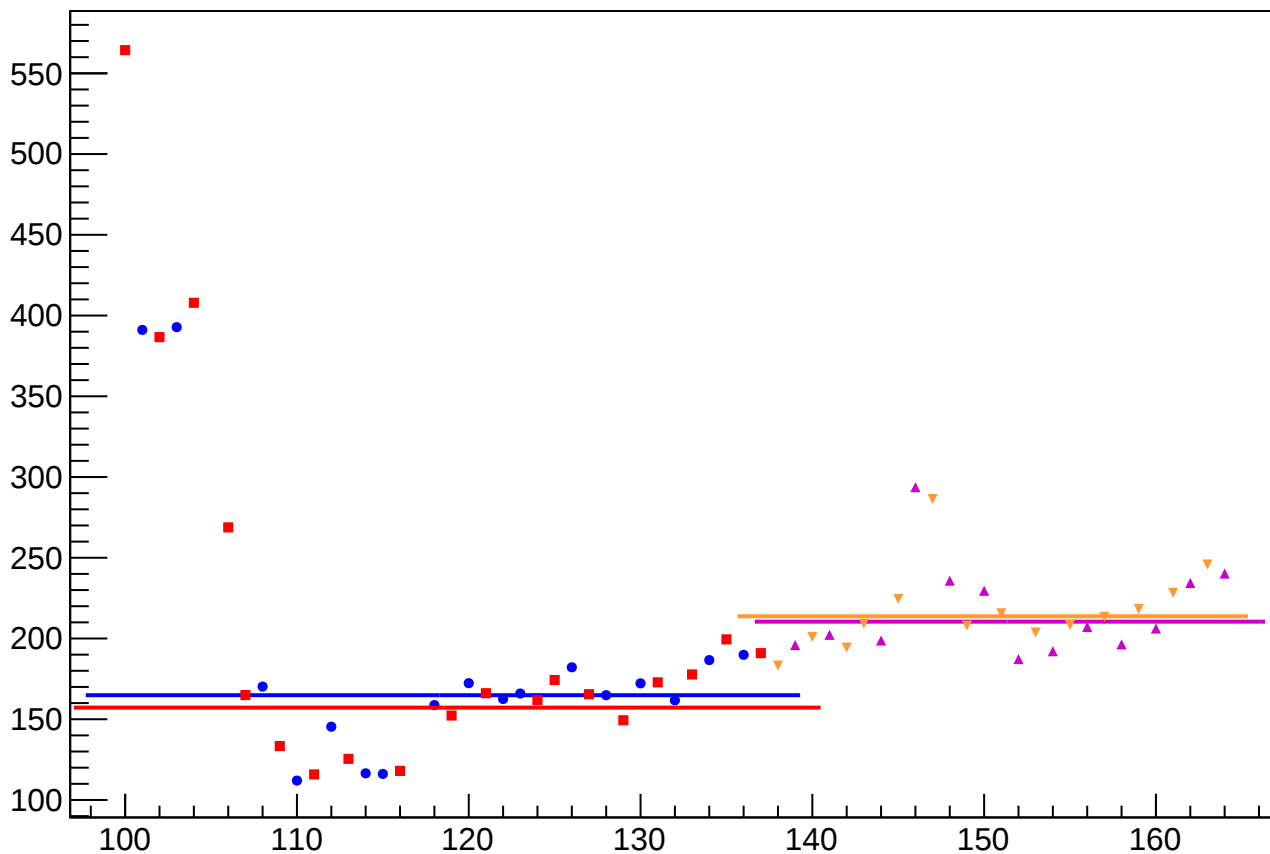
Out: 140546.397+/-0.046

χ^2/NDF : 1125281481.5/3

All: 140533.931+/-0.033

χ^2/NDF : 199606303

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.884 ± 0.048 $\chi^2/\text{NDF}: 1066270.8/16$

Left Out: 213.762 ± 0.047 $\chi^2/\text{NDF}: 196508.4/13$

Right Out: 157.207 ± 0.045 $\chi^2/\text{NDF}: 1245030.9/18$

Left In: 210.433 ± 0.047 $\chi^2/\text{NDF}: 253129.9/12$

Left: 212.093 ± 0.033 $\chi^2/\text{NDF}: 452119.0/26$

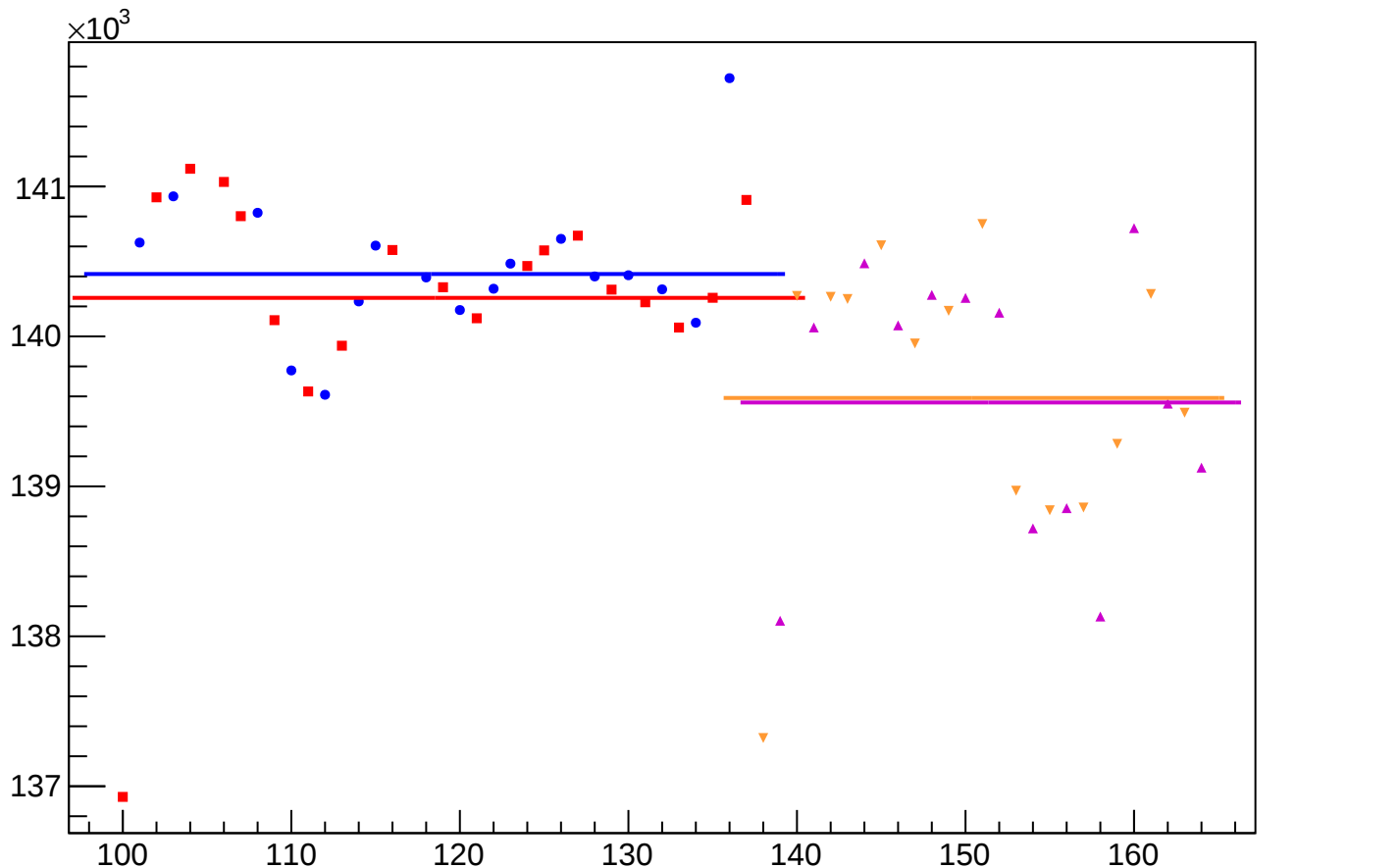
Right: 160.768 ± 0.033 $\chi^2/\text{NDF}: 2325060.5/35$

In: 188.004 ± 0.034 $\chi^2/\text{NDF}: 1777888.4/29$

Out: 183.784 ± 0.032 $\chi^2/\text{NDF}: 2198050.7/32$

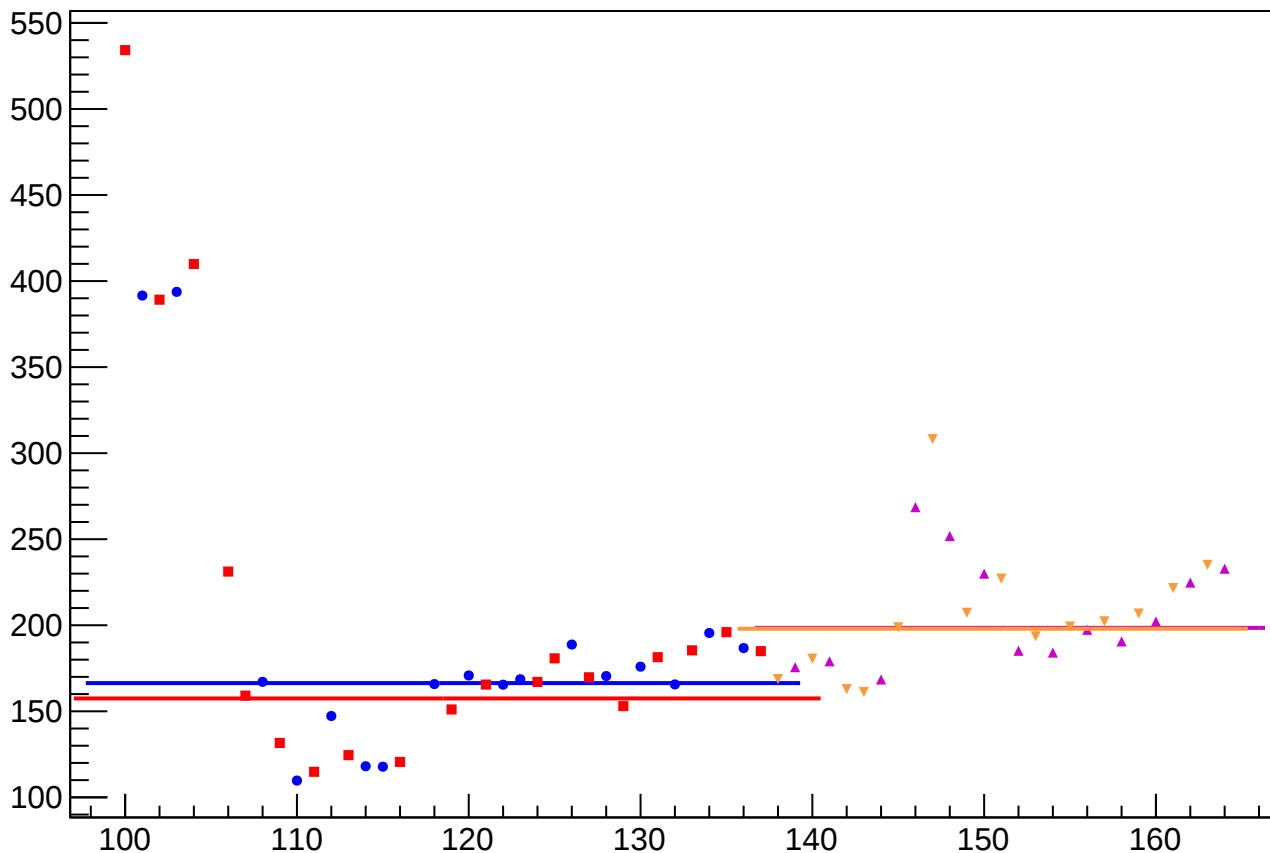
All: 185.819 ± 0.023 $\chi^2/\text{NDF}: 3984093.5/62$

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.064 $\pm$ 0.068	χ^2/NDF : 69975821.3/16	Left: 139574.635 $\pm$ 0.044	χ^2/NDF : 447040193.6/20
Left Out: 139589.632 $\pm$ 0.062	χ^2/NDF : 242334583.8/13	Right: 140330.188 $\pm$ 0.046	χ^2/NDF : 110959487.0/3
Right Out: 140256.992 $\pm$ 0.063	χ^2/NDF : 38063371.4/18	In: 139953.064 $\pm$ 0.046	χ^2/NDF : 359365217.6/29
Left In: 139559.316 $\pm$ 0.063	χ^2/NDF : 204588870.3/12	Out: 139919.391 $\pm$ 0.044	χ^2/NDF : 336905546.8/32
		All: 139935.493 $\pm$ 0.032	χ^2/NDF : 696545982.0/100

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: 198.476 $\pm$ 0.045 χ^2 /NDF: 371986.0/12

Left: 198.222 $\pm$ 0.031 χ^2 /NDF: 821648.5/26

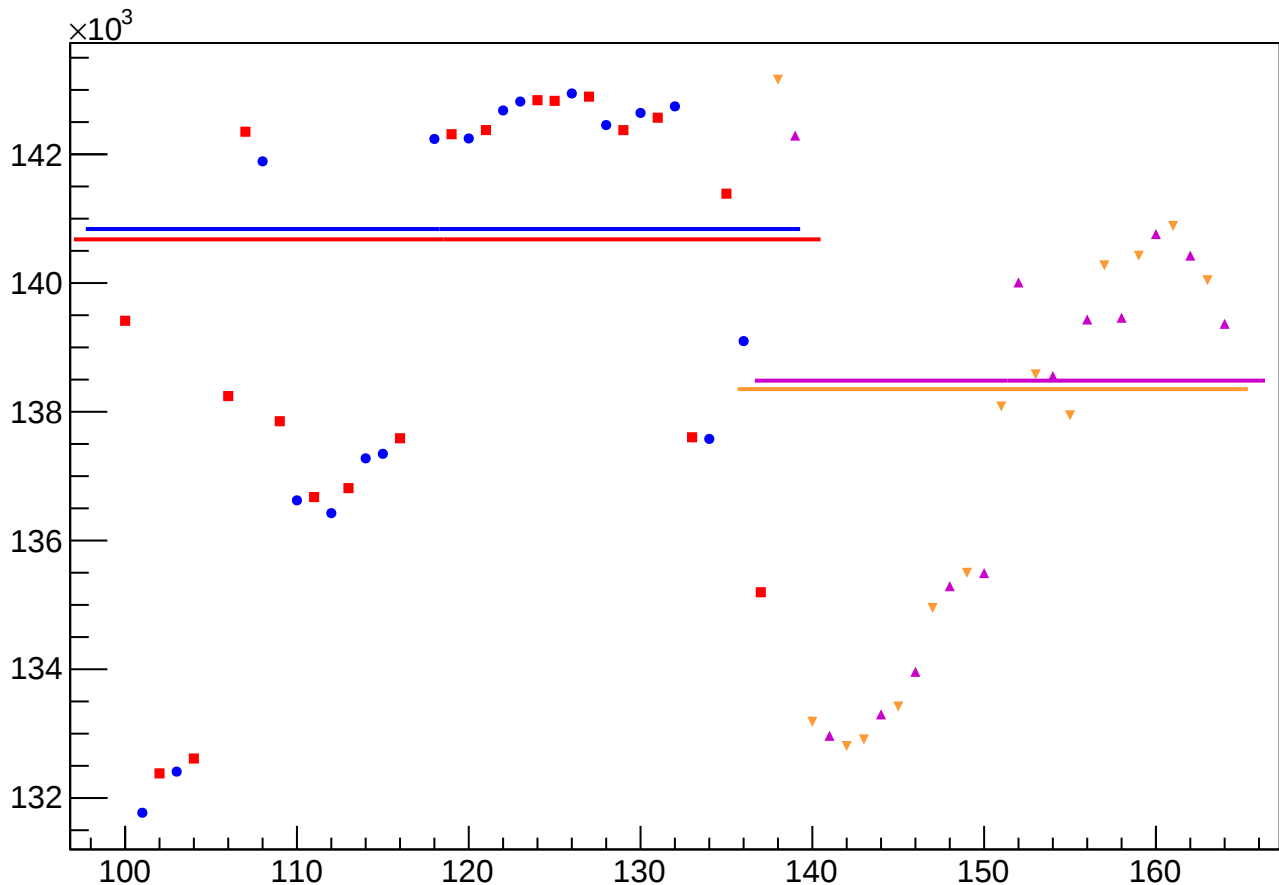
Right: 161.576 $\pm$ 0.033 χ^2 /NDF: 2329186.5/35

In: 183.729 $\pm$ 0.033 χ^2 /NDF: 1690864.7/29

Out: 177.962 $\pm$ 0.031 χ^2 /NDF: 2095663.2/32

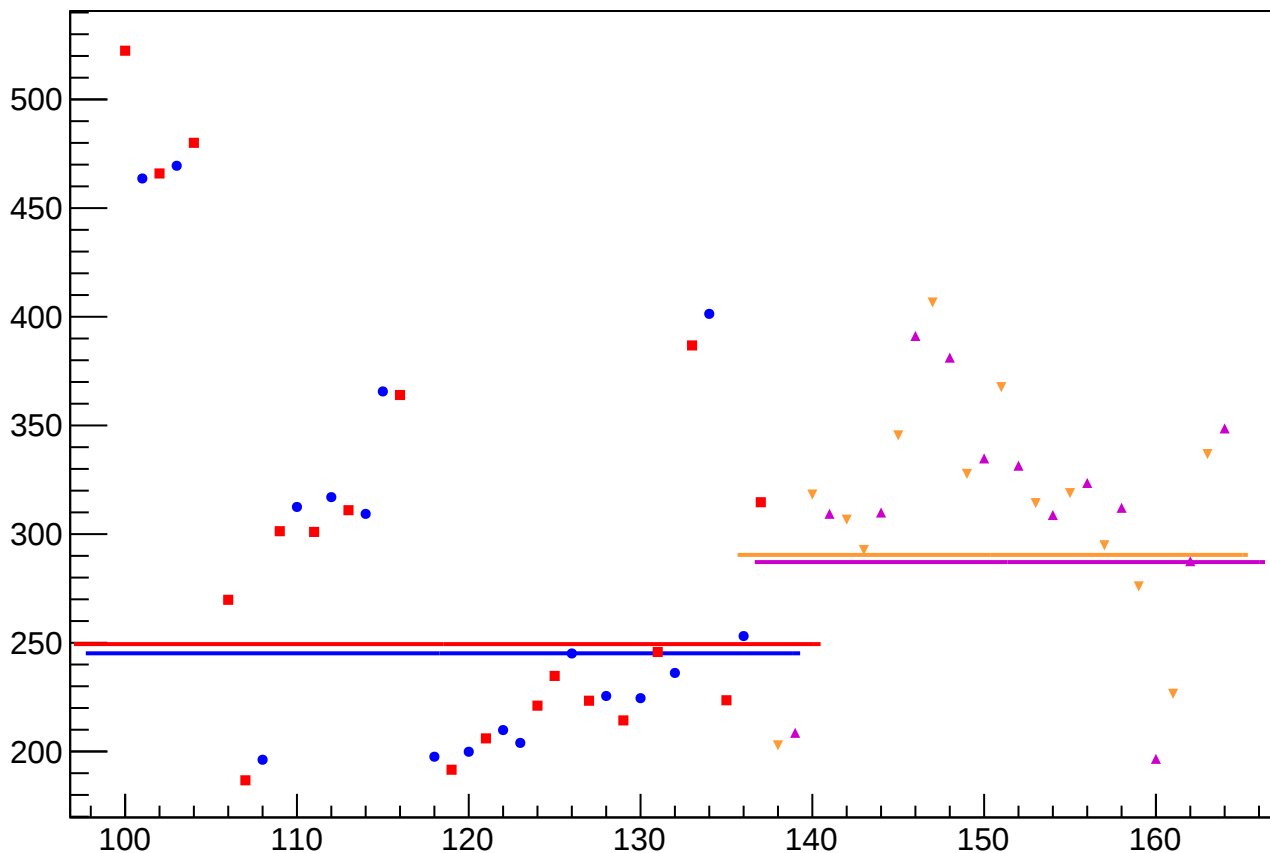
All: 180.720 $\pm$ 0.023 χ^2 /NDF: 3802672.0/62

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	Left: 138417.898 $\pm$ 0.066	χ^2 /NDF: 2491509439.8/2
Left Out: 138352.165 $\pm$ 0.093	χ^2 /NDF: 1389910664.5/13	Right: 140758.088 $\pm$ 0.070	χ^2 /NDF: 1664679717.2/2
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	In: 139576.457 $\pm$ 0.068	χ^2 /NDF: 2220593588.9/29
Left In: 138483.924 $\pm$ 0.093	χ^2 /NDF: 1100593580.4/12	Out: 139439.325 $\pm$ 0.068	χ^2 /NDF: 2524141041.8/3
		All: 139507.517 $\pm$ 0.048	χ^2 /NDF: 474677213

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 245.159 $\pm$ 0.071 χ^2/NDF : 869491.6/16

Left Out: 290.445 $\pm$ 0.066 χ^2/NDF : 707462.7/13

Right Out: 249.397 $\pm$ 0.070 χ^2/NDF : 1009731.2/18

Left In: 287.134 $\pm$ 0.066 χ^2/NDF : 872474.3/12

Left: 288.794 $\pm$ 0.046 χ^2/NDF : 1581206.5/26

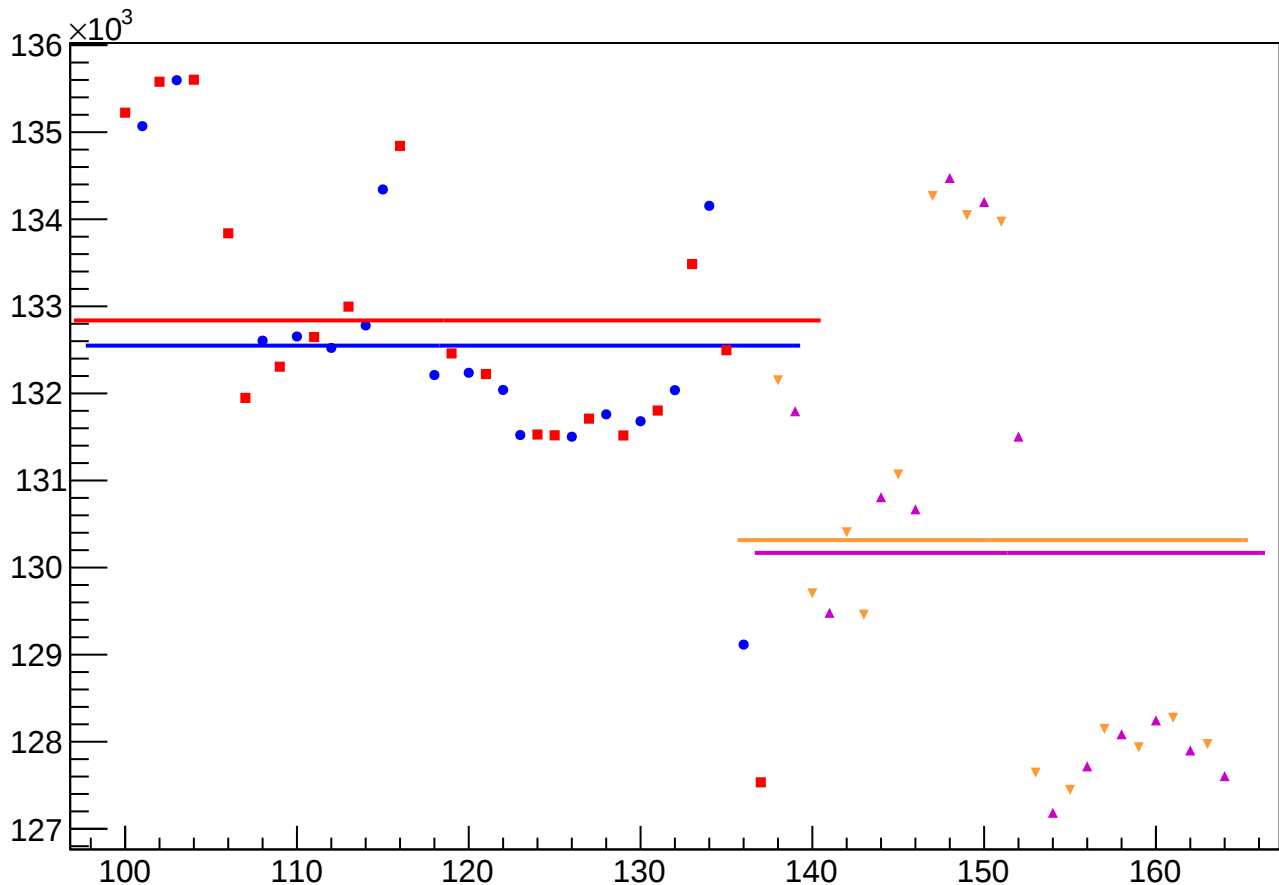
Right: 247.297 $\pm$ 0.050 χ^2/NDF : 1881034.9/35

In: 267.663 $\pm$ 0.048 χ^2/NDF : 1930844.5/29

Out: 271.262 $\pm$ 0.048 χ^2/NDF : 1899977.1/32

All: 269.472 $\pm$ 0.034 χ^2/NDF : 3833629.4/62

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: 130168.494 $\pm$ 0.086 χ^2 /NDF: 535277874.6/12

Left: 130245.985 $\pm$ 0.059 χ^2 /NDF: 1164409313.0/2

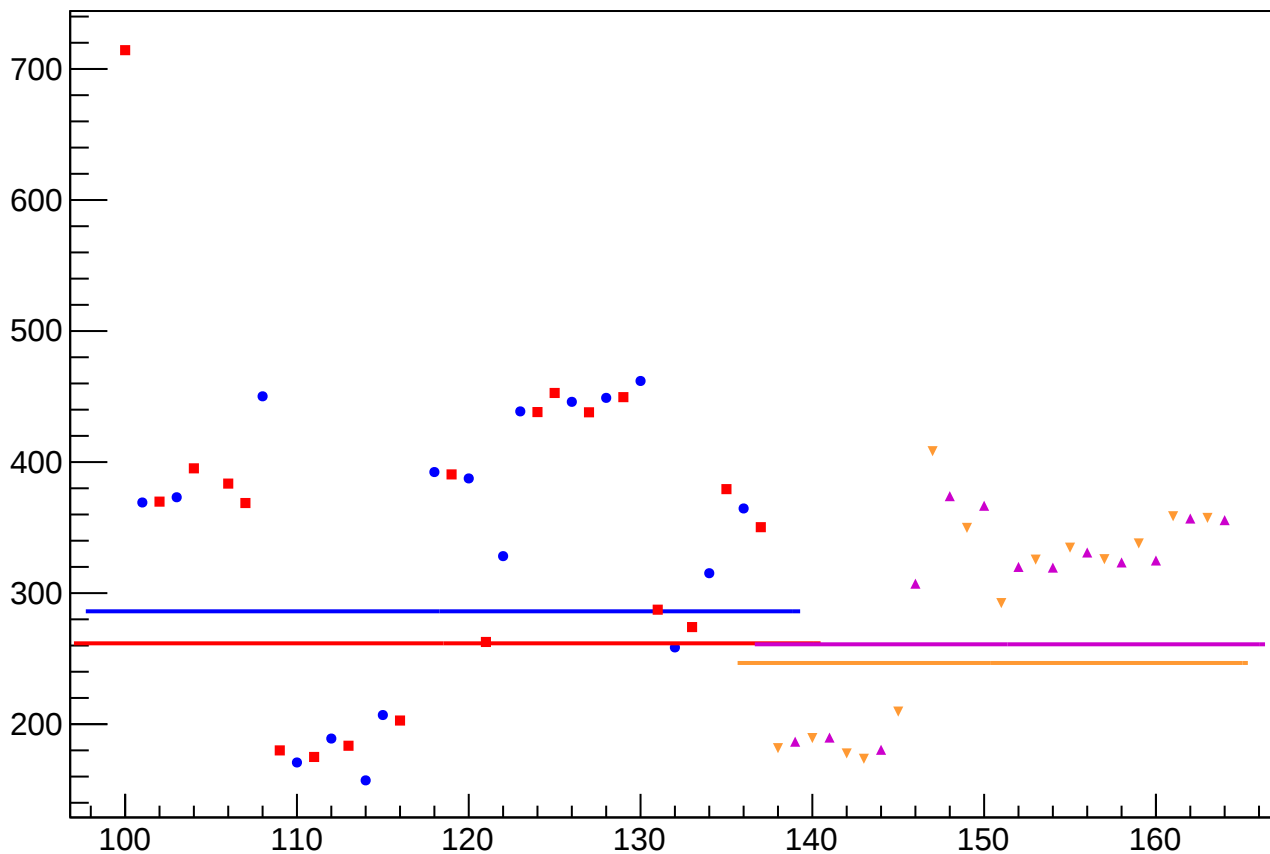
Right: 132709.226 $\pm$ 0.080 χ^2 /NDF: 313982981.1/3

In: 130978.525 $\pm$ 0.070 χ^2 /NDF: 958723662.8/29

Out: 131231.742 $\pm$ 0.065 χ^2 /NDF: 1130611669.4/3

All: 131114.705 $\pm$ 0.047 χ^2 /NDF: 209644672

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: 260.941+/-0.061 χ^2/NDF :1588461.3/12

Left: 253.404+/-0.042 χ^2/NDF : 3449887.7/26

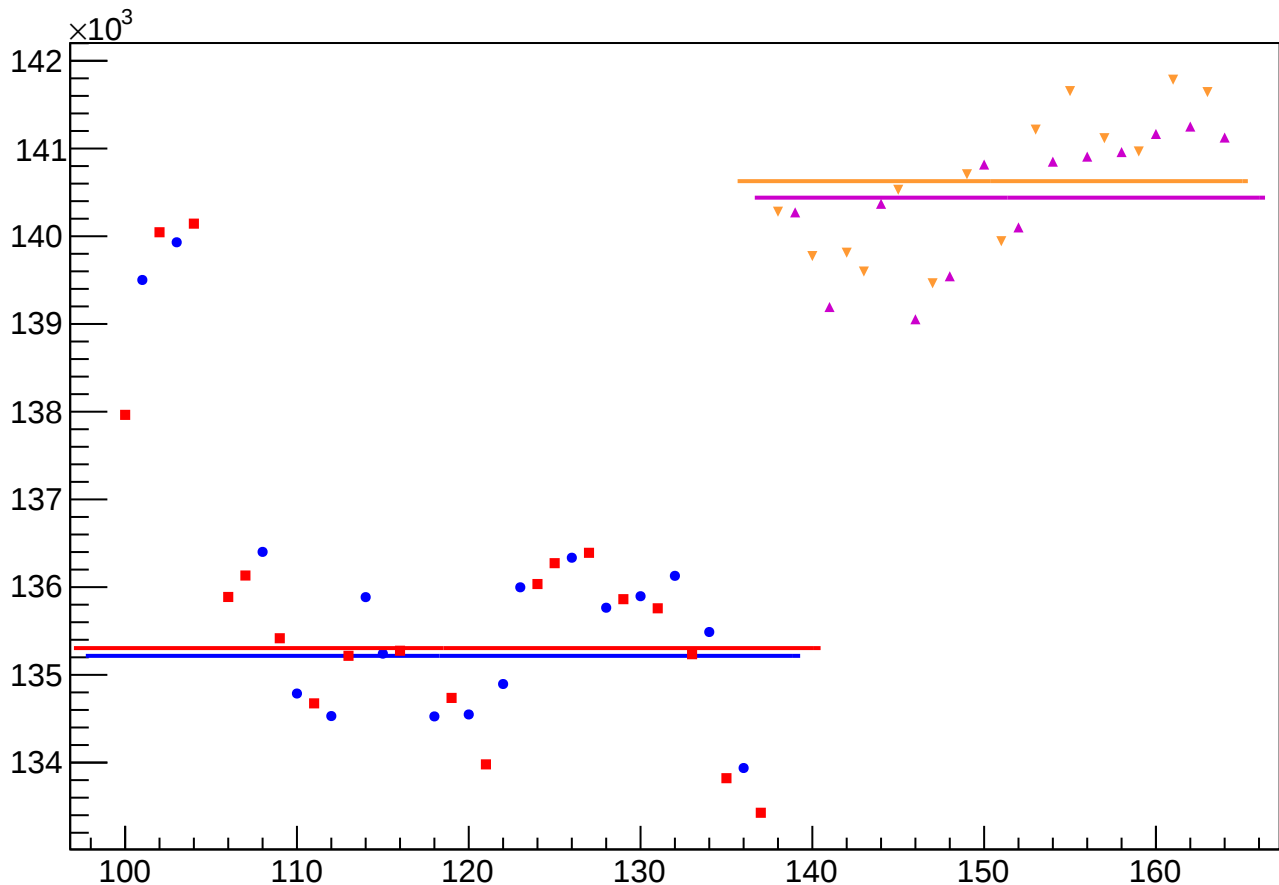
Right: 272.584+/-0.056 χ^2/NDF : 3194872.3/35

In: 269.510+/-0.049 χ^2/NDF :3172440.1/29

Out: 252.140+/-0.046 χ^2/NDF :3480337.0/32

All: 260.169+/-0.033 χ^2/NDF : 6719701.9/62

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: 140439.858 $\pm$ 0.061 χ^2 /NDF: 129531856.2/12

Left: 140537.728 $\pm$ 0.042 χ^2 /NDF: 303686322.1/20

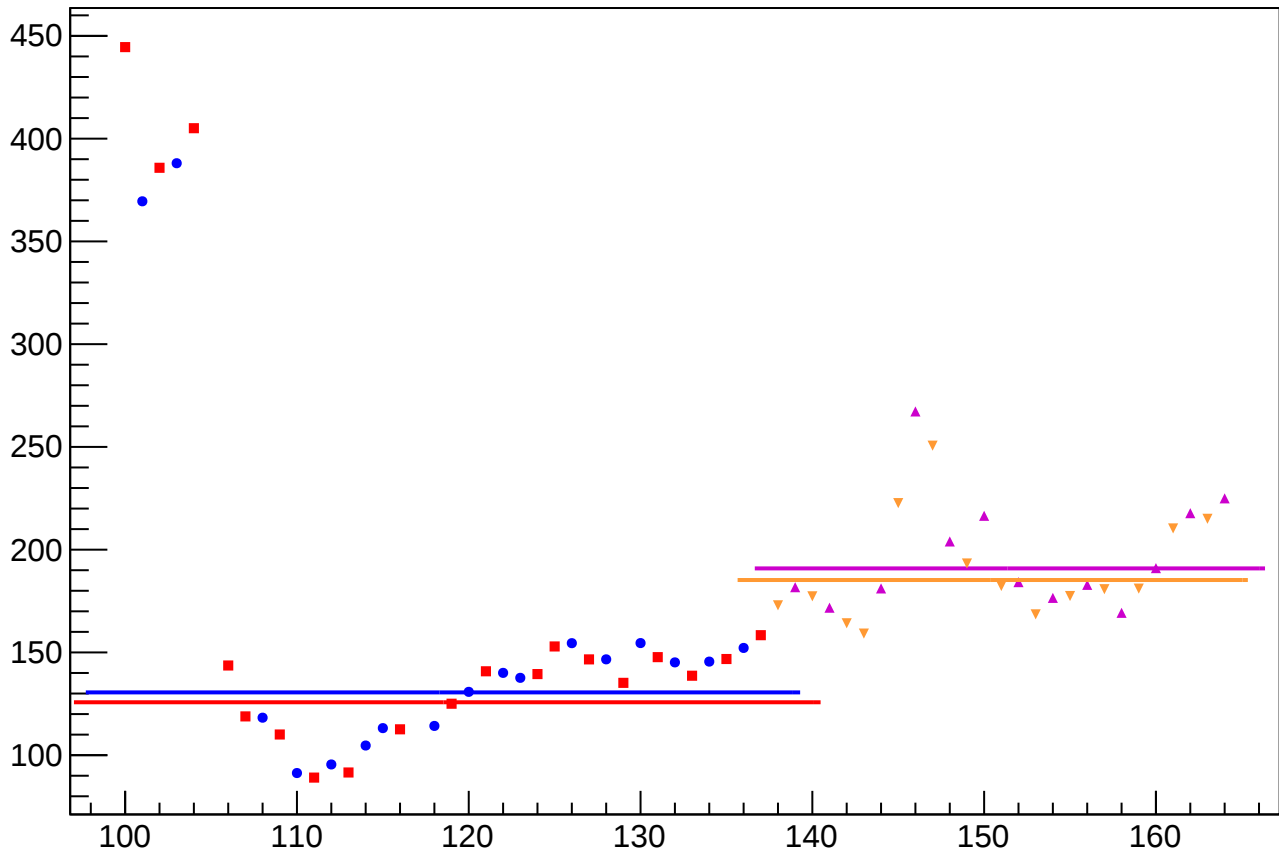
Right: 135263.557 $\pm$ 0.037 χ^2 /NDF: 730392205.8/3

In: 137543.831 $\pm$ 0.040 χ^2 /NDF: 4615109237.3/29

Out: 137620.726 $\pm$ 0.038 χ^2 /NDF: 5239516580.3/3

All: 137584.259 $\pm$ 0.028 χ^2 /NDF: 985652345

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: 190.884 $\pm$ 0.043 χ^2 /NDF: 271897.4/12

Left: 187.947 $\pm$ 0.030 χ^2 /NDF: 556402.4/26

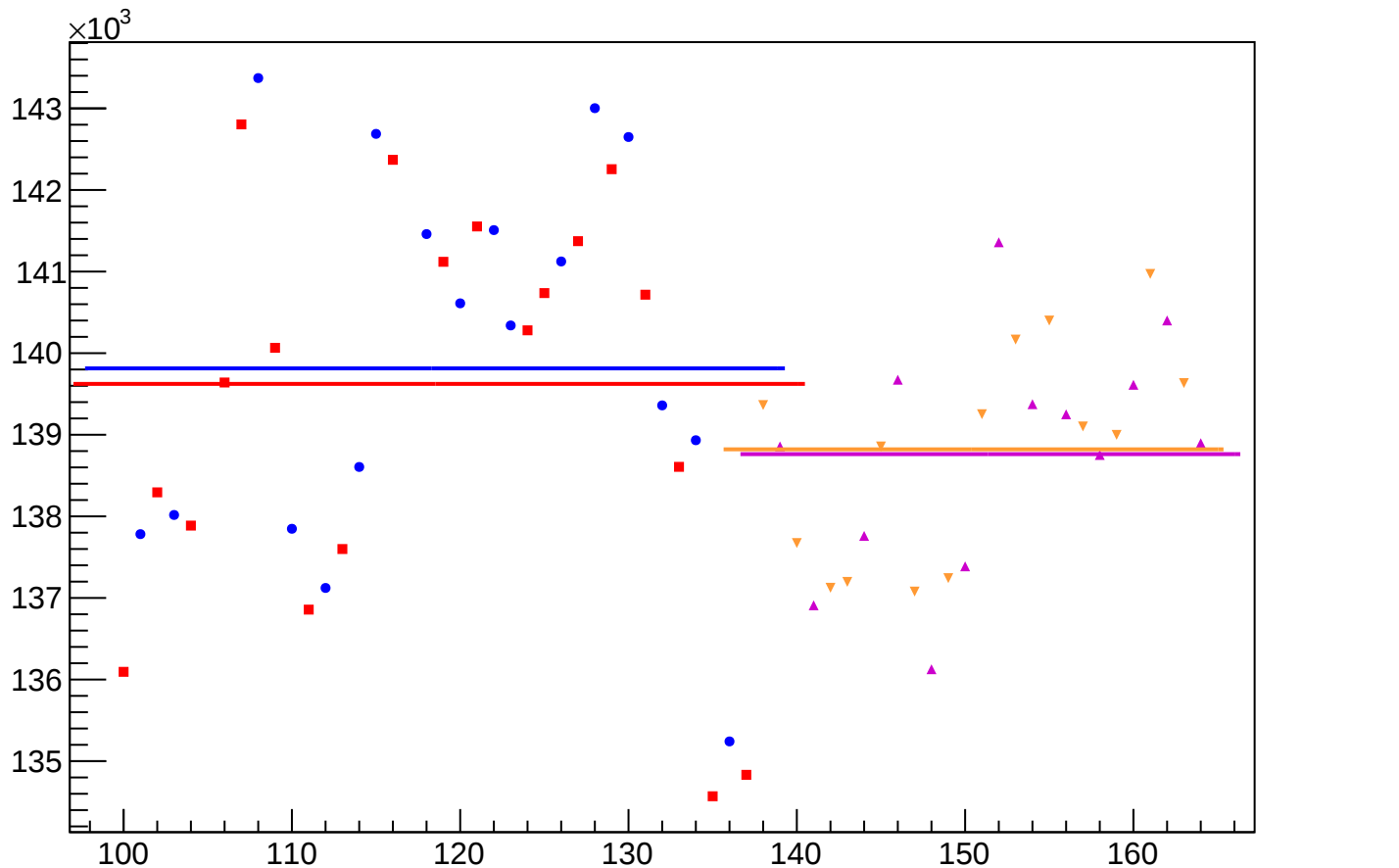
Right: 128.002 $\pm$ 0.026 χ^2 /NDF: 2821400.9/35

In: 157.433 $\pm$ 0.029 χ^2 /NDF: 2742816.7/29

Out: 151.624 $\pm$ 0.027 χ^2 /NDF: 2892682.6/32

All: 154.379 $\pm$ 0.020 χ^2 /NDF: 5657157.8/62

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139813.664 $\pm$ 0.062

χ^2 /NDF: 1689865533.6/16

Left: 138792.664 $\pm$ 0.043

χ^2 /NDF: 947041608.1/26

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

Right Out: 139623.387 $\pm$ 0.059

χ^2 /NDF: 2353315497.8/29

Left In: 138762.644 $\pm$ 0.061

χ^2 /NDF: 1505731109.1/18

In: 139282.284 $\pm$ 0.044

χ^2 /NDF: 2025151273.8/3

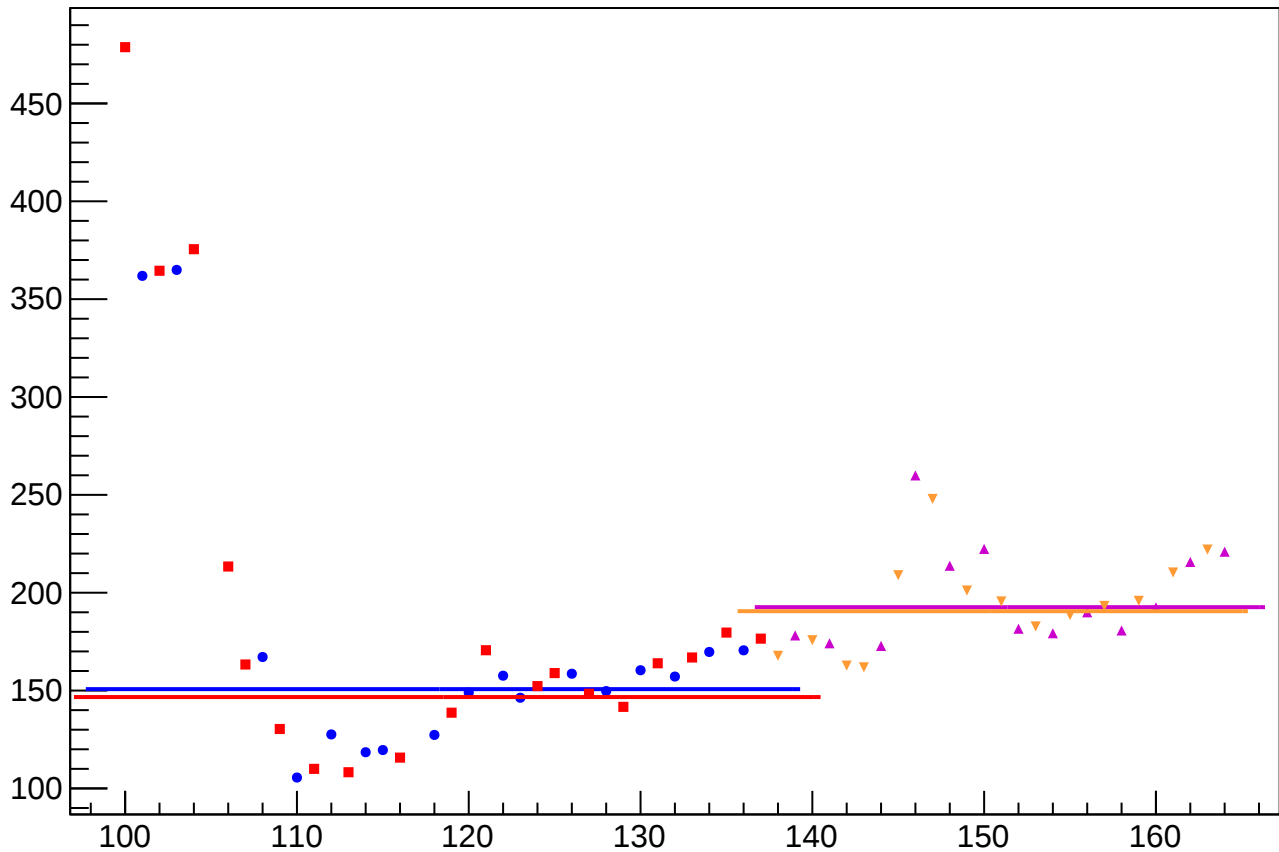
Out: 139229.600 $\pm$ 0.042

χ^2 /NDF: 437922339.1/12

All: 139255.057 $\pm$ 0.030

χ^2 /NDF: 437922339.1/12

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: 192.621+/-0.043 χ^2/NDF :255957.3/12

Left: 191.571+/-0.030 χ^2/NDF : 505664.9/26

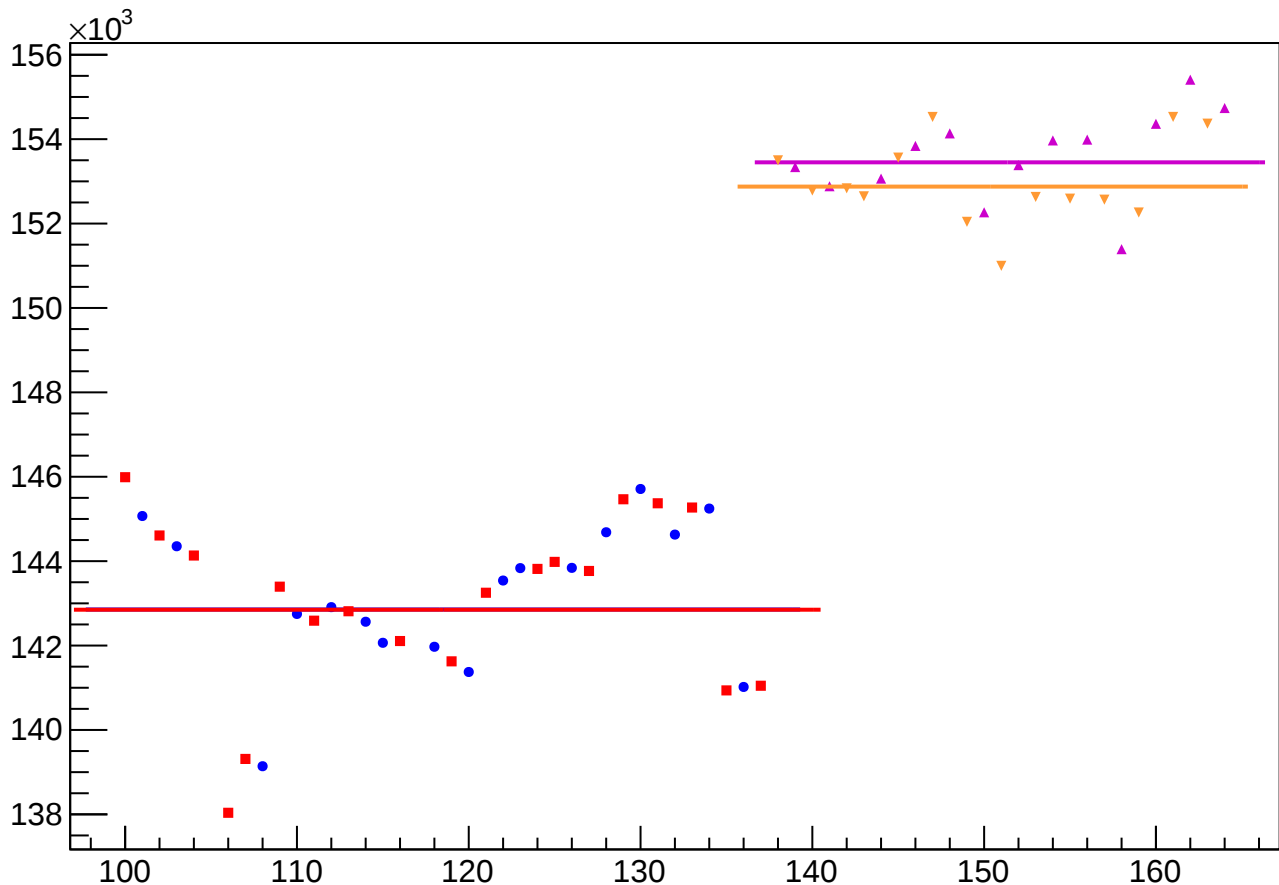
Right: 148.612+/-0.030 χ^2/NDF : 2257655.3/35

In: 171.911+/-0.031 χ^2/NDF :1768728.1/29

Out: 168.233+/-0.030 χ^2/NDF :1994474.1/32

All: 170.010+/-0.021 χ^2/NDF : 3770575.8/62

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 142854.268+/-0.065

χ^2/NDF : 740367386.5/16

Left Out: 152875.906+/-0.061

χ^2/NDF : 227368619.8/13

Right Out: 142849.362+/-0.060

χ^2/NDF : 850066807.5/18

Left In: 153450.933+/-0.062

χ^2/NDF : 256485026.9/12

Left: 153158.320+/-0.043

χ^2/NDF : 527764258.5/26

Right: 142851.648+/-0.044

χ^2/NDF : 1590437268.8/30

In: 148383.597+/-0.045

χ^2/NDF : 15010037727.7/20

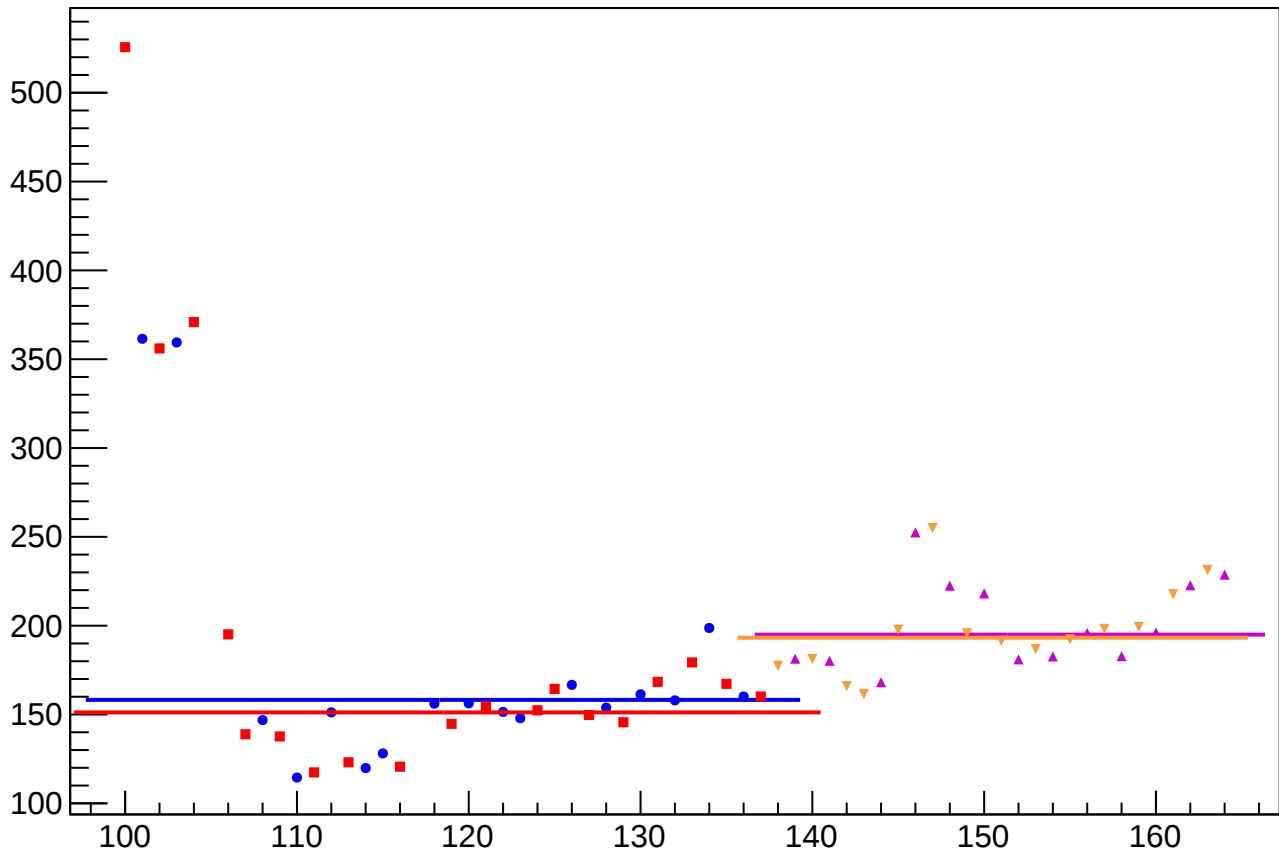
Out: 147828.073+/-0.043

χ^2/NDF : 14762660571.3/20

All: 148094.028+/-0.031

χ^2/NDF : 298531508.0/30

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: 194.987+/-0.044 χ^2/NDF : 258297.3/12

Left: 194.084+/-0.031 χ^2/NDF : 504968.5/26

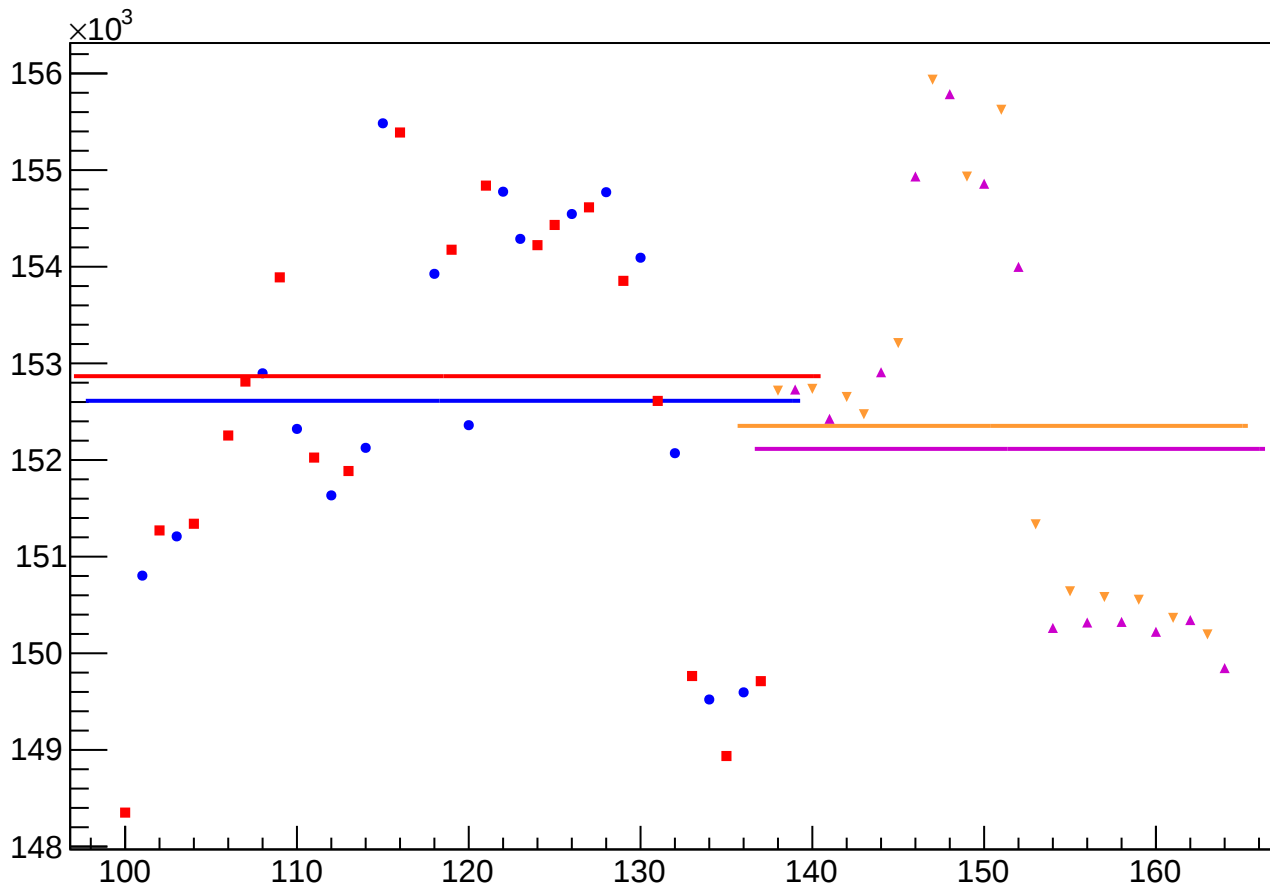
Right: 154.463+/-0.031 χ^2/NDF : 1899543.0/35

In: 177.411+/-0.032 χ^2/NDF : 1478987.0/29

Out: 172.049+/-0.030 χ^2/NDF : 1730286.7/32

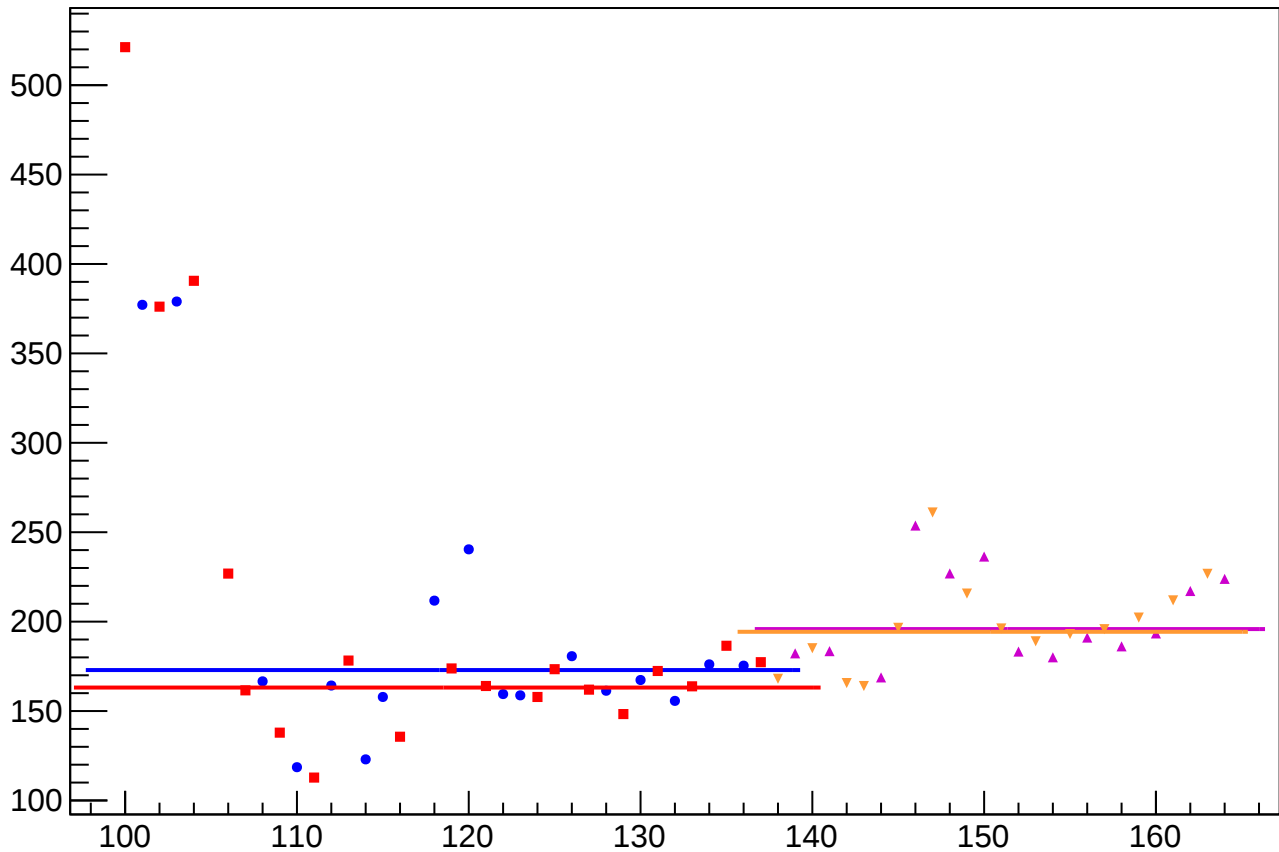
All: 174.616+/-0.022 χ^2/NDF : 3224267.9/62

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152612.586 $\pm$ 0.072	χ^2 /NDF: 621416187.4/16	Left: 152236.319 $\pm$ 0.043	χ^2 /NDF: 1803779228.7/2
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: 152326.446 $\pm$ 0.047	χ^2 /NDF: 1594654329.9/29
Left In: 152115.136 $\pm$ 0.062	χ^2 /NDF: 945906551.9/12	Out: 152588.802 $\pm$ 0.045	χ^2 /NDF: 1602133848.5/3
		All: 152463.940 $\pm$ 0.032	χ^2 /NDF: 321309398.0/10

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: 195.836+/-0.044 χ^2/NDF : 278507.7/12

Left: 195.064+/-0.031 χ^2/NDF : 549889.2/26

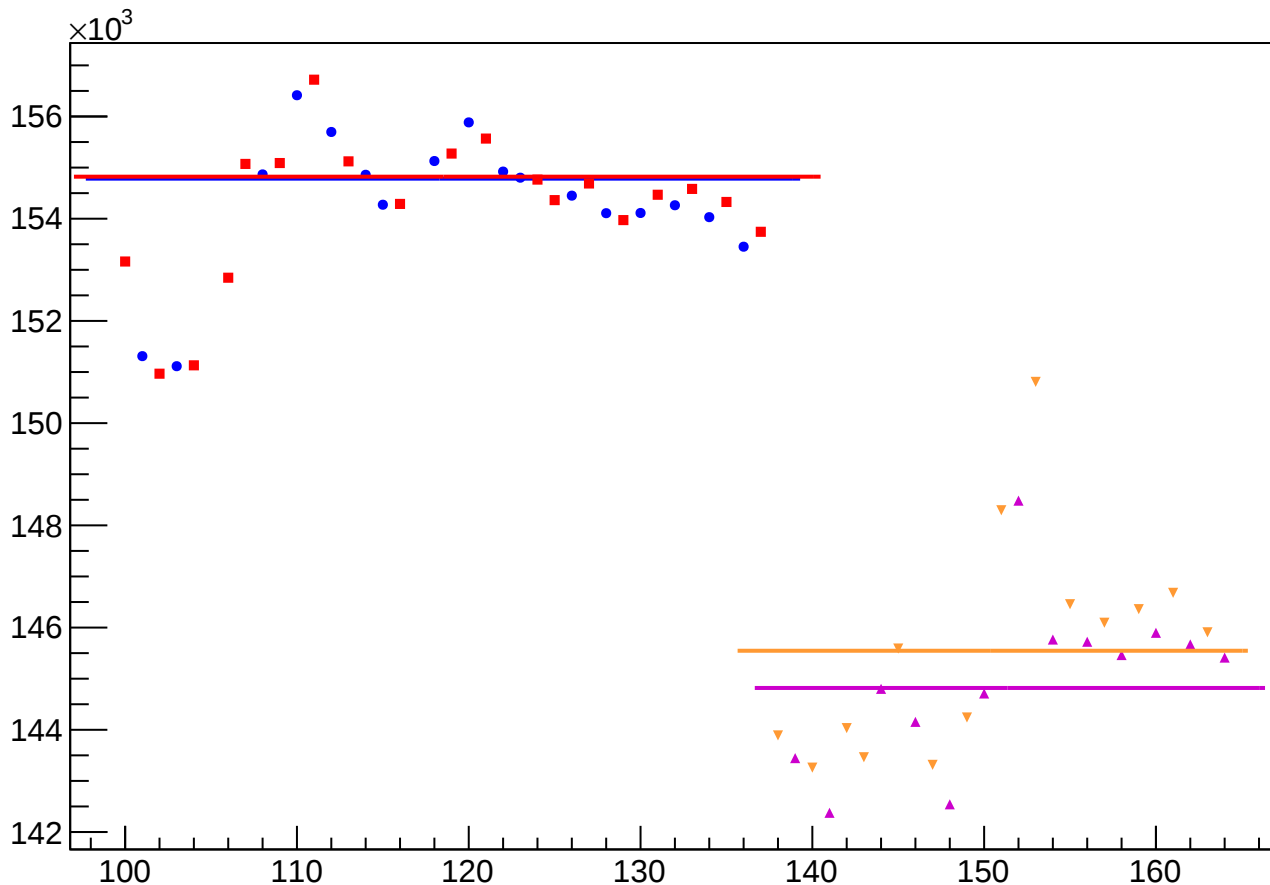
Right: 167.610+/-0.034 χ^2/NDF : 1995658.5/35

In: 186.102+/-0.033 χ^2/NDF : 1336462.4/29

Out: 180.033+/-0.032 χ^2/NDF : 1544817.6/32

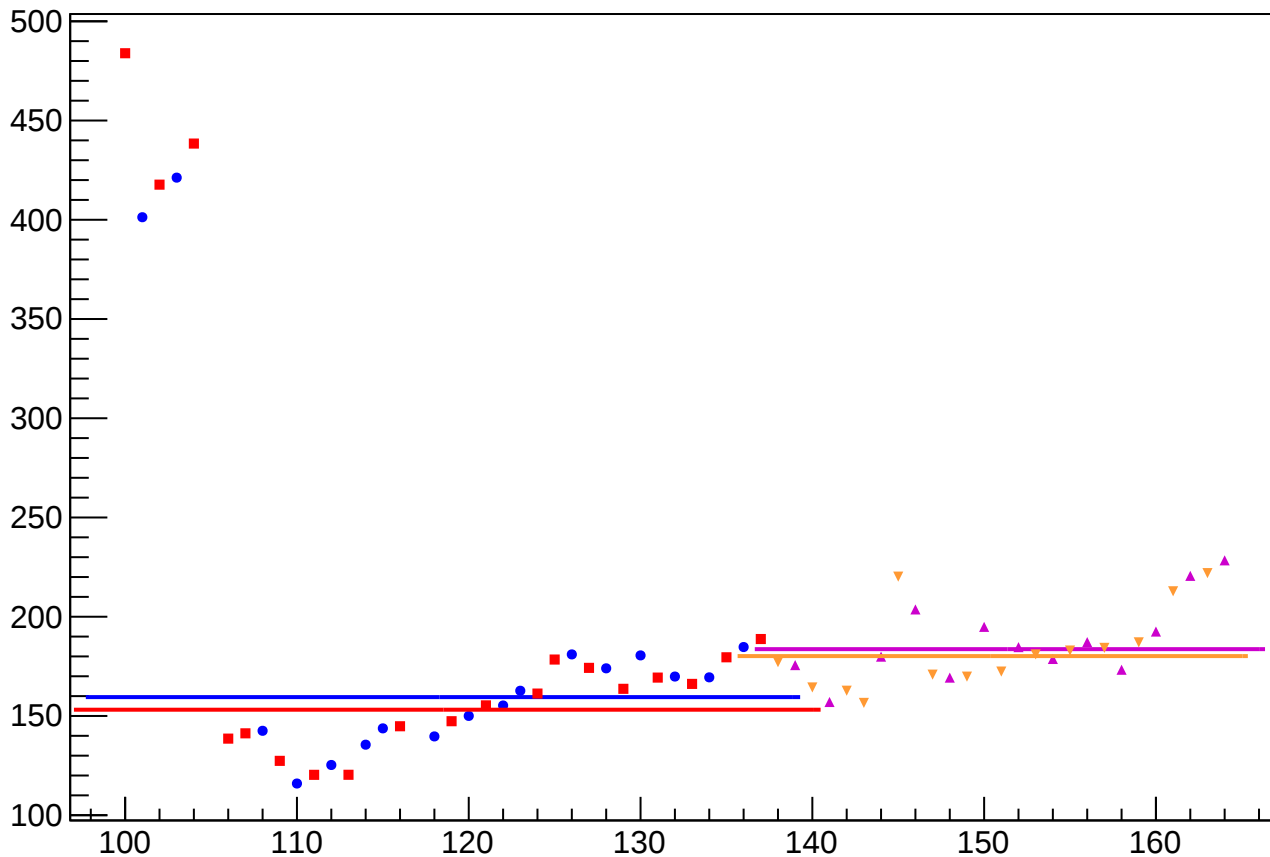
All: 182.921+/-0.023 χ^2/NDF : 2898734.7/62

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154783.944+/-0.065	χ^2/NDF : 265581398.0/16	Left: 145192.868+/-0.040	χ^2/NDF : 2375286266.3/2
Left Out: 145546.692+/-0.056	χ^2/NDF : 1481718050.5/13	Right: 154804.381+/-0.045	χ^2/NDF : 559614489.4/3
Right Out: 154822.113+/-0.061	χ^2/NDF : 293850525.9/18	In: 149196.185+/-0.043	χ^2/NDF : 14109417148.9/2
Left In: 144818.601+/-0.058	χ^2/NDF : 812165158.7/12	Out: 149818.210+/-0.041	χ^2/NDF : 14294928136.2/1
		All: 149521.926+/-0.030	χ^2/NDF : 285122912

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: 183.667 $\pm$ 0.041 χ^2 /NDF:182059.3/12

Left: 181.868 $\pm$ 0.029 χ^2 /NDF: 397521.4/26

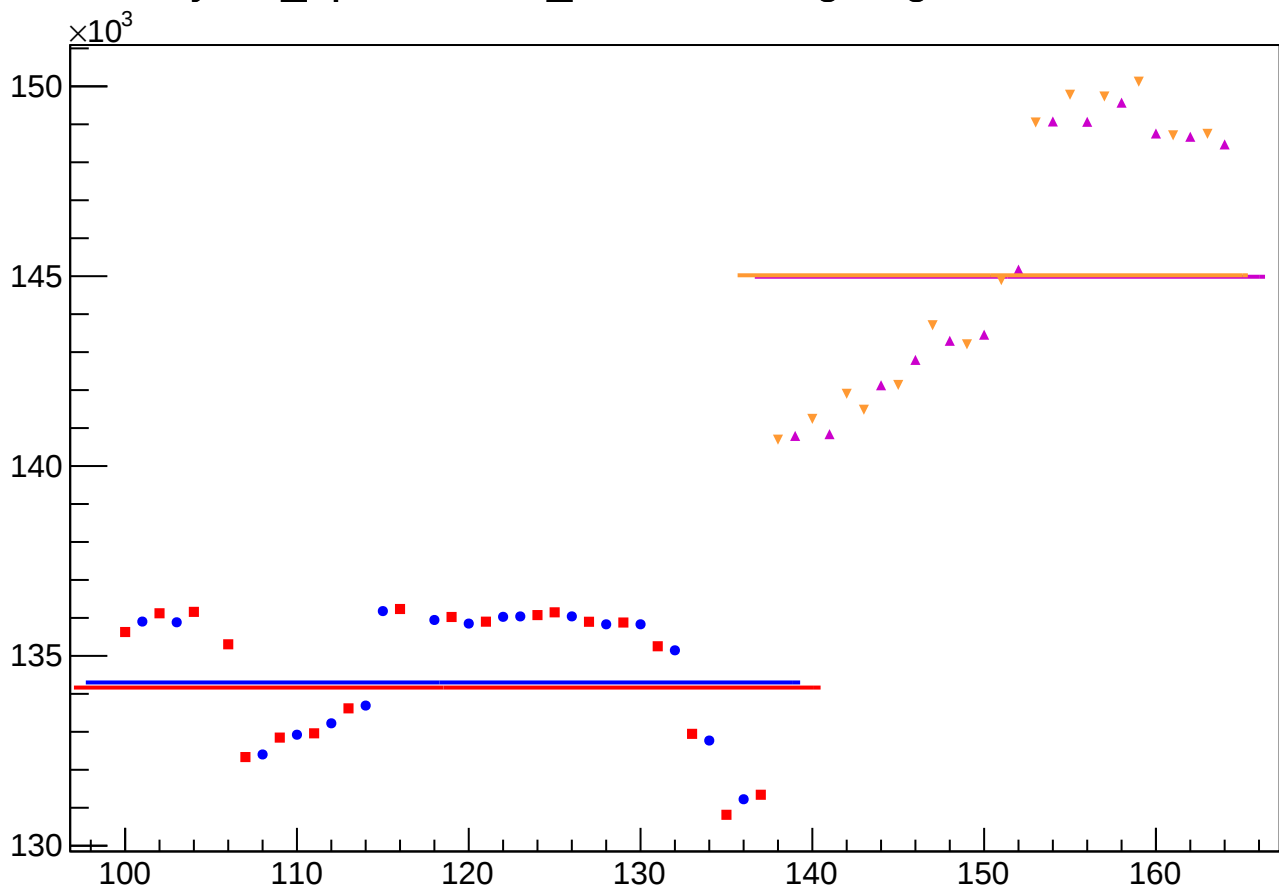
Right: 156.104 $\pm$ 0.032 χ^2 /NDF: 2315690.5/35

In: 173.053 $\pm$ 0.031 χ^2 /NDF:1467141.5/29

Out: 167.727 $\pm$ 0.029 χ^2 /NDF:1597817.0/32

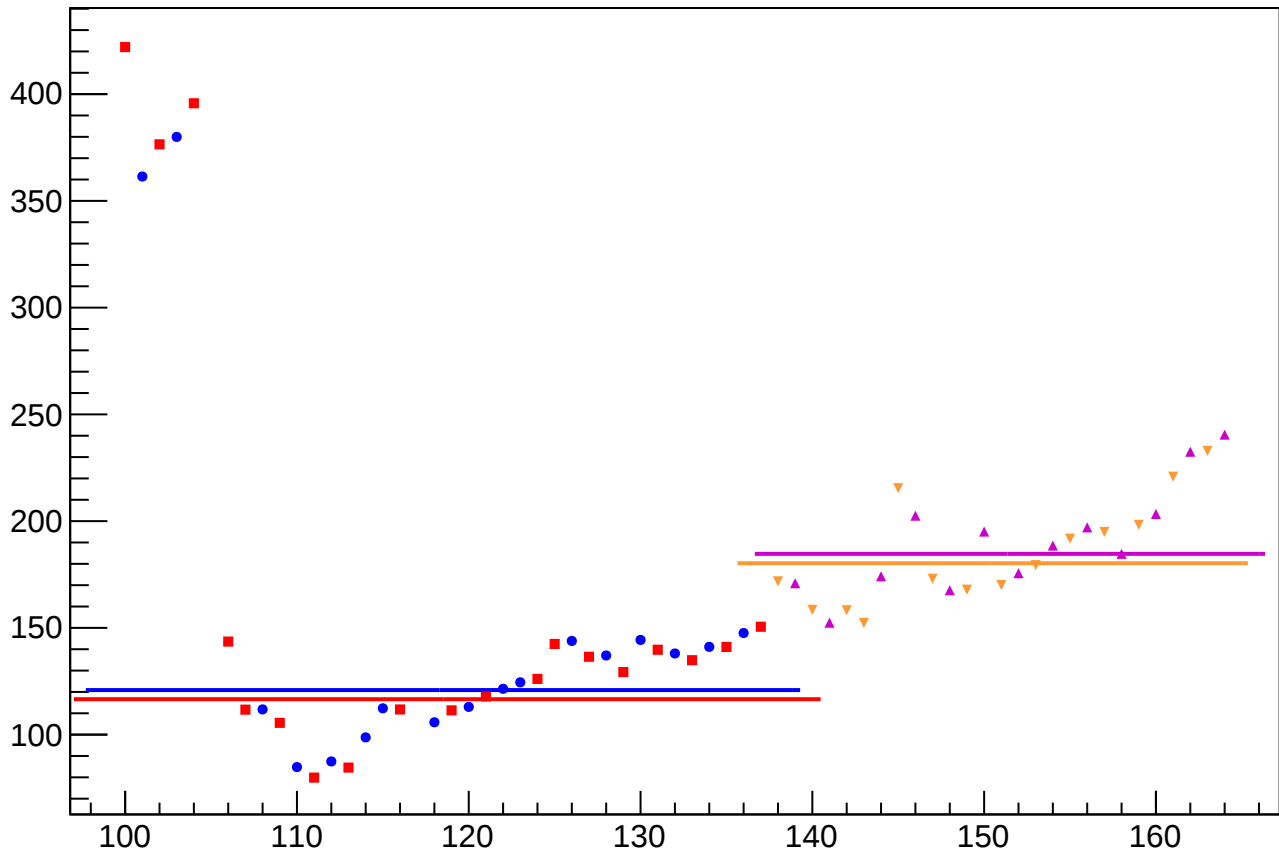
All: 170.264 $\pm$ 0.021 χ^2 /NDF: 3080785.8/62

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134300.025+/-0.050	$\chi^2/\text{NDF}: 1149581803.2/16$	Left: 145005.239+/-0.041	$\chi^2/\text{NDF}: 7236607275.2/2$
Left Out: 145023.775+/-0.056	$\chi^2/\text{NDF}: 3949856407.8/13$	Right: 134228.768+/-0.035	$\chi^2/\text{NDF}: 2364832007.2/$
Right Out: 134165.615+/-0.047	$\chi^2/\text{NDF}: 1211471052.4/18$	In: 138858.432+/-0.038	$\chi^2/\text{NDF}: 23655494958.3/2$
Left In: 144985.423+/-0.058	$\chi^2/\text{NDF}: 3286527762.4/12$	Out: 138655.081+/-0.036	$\chi^2/\text{NDF}: 26864203777.9$
		All: 138751.775+/-0.026	$\chi^2/\text{NDF}: 505346238$

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: 184.672 $\pm$ 0.041 χ^2 /NDF:274293.0/12

Left: 182.402 $\pm$ 0.029 χ^2 /NDF: 588144.5/26

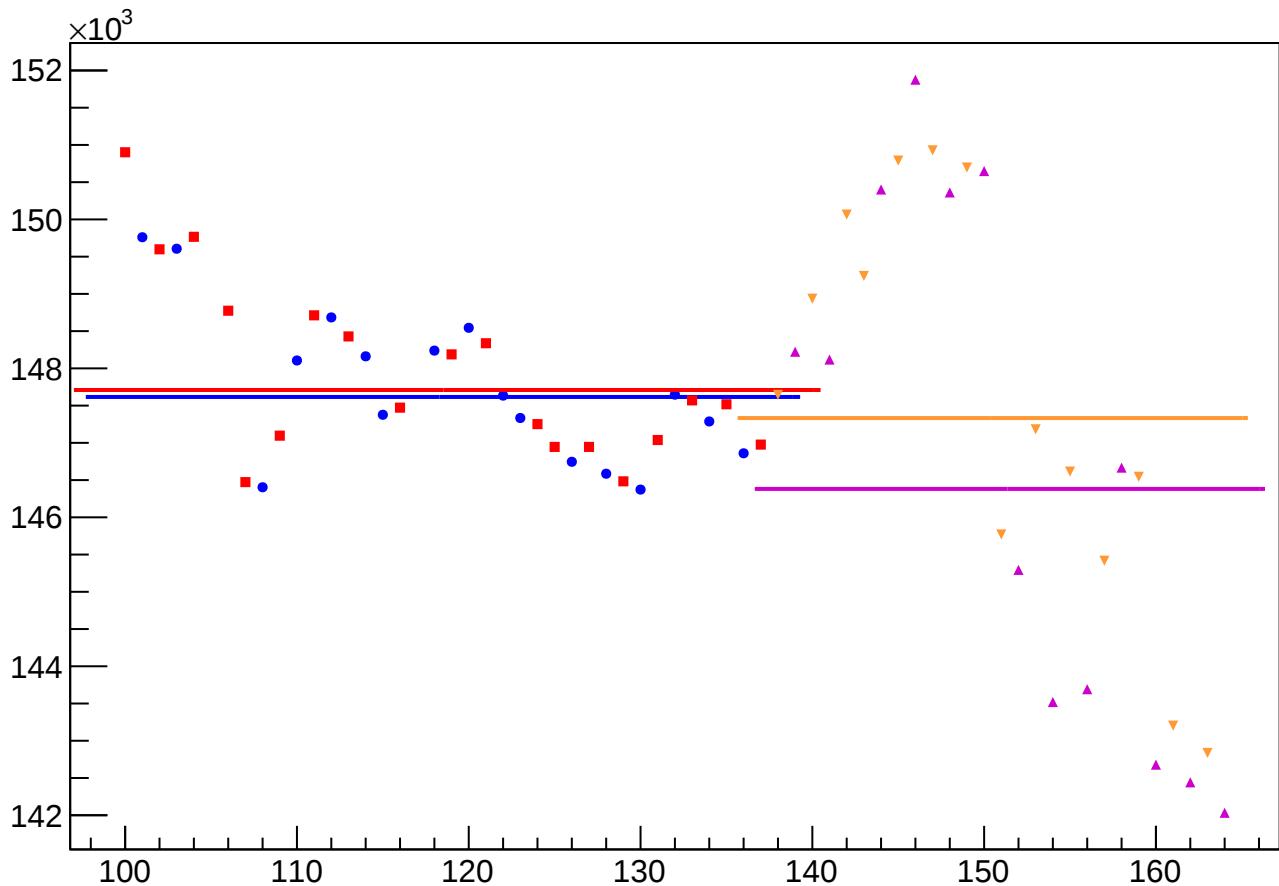
Right: 118.605 $\pm$ 0.024 χ^2 /NDF: 3012723.0/35

In: 148.089 $\pm$ 0.027 χ^2 /NDF:3108348.7/29

Out: 142.926 $\pm$ 0.026 χ^2 /NDF:3342485.9/32

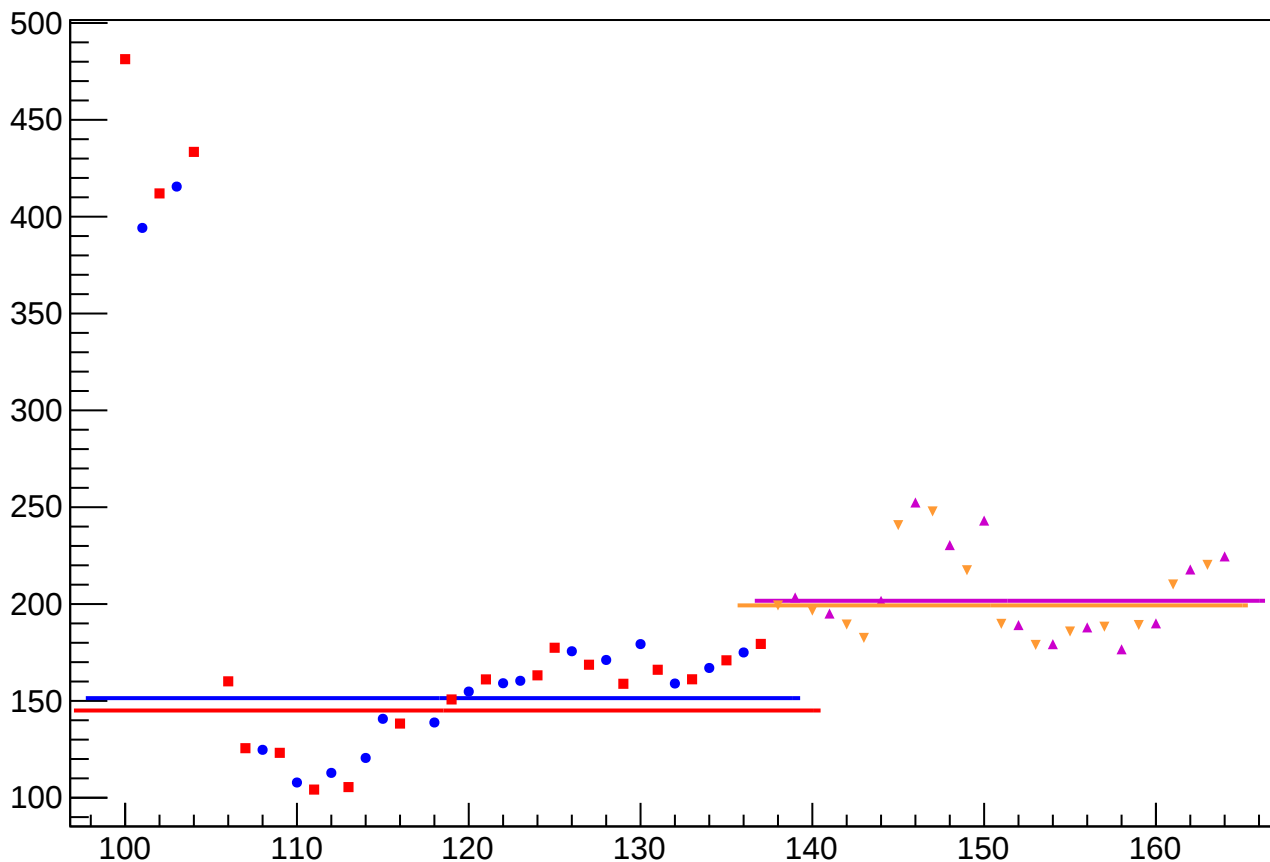
All: 145.381 $\pm$ 0.019 χ^2 /NDF: 6470080.7/62

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147616.150+/-0.062	χ^2/NDF : 199263428.7/16	Left: 146867.741+/-0.045	χ^2/NDF : 4105438027.7/2
Left Out: 147332.995+/-0.062	χ^2/NDF : 1494374388.4/13	Right: 147666.153+/-0.043	χ^2/NDF : 404368550.3/3
Right Out: 147709.723+/-0.058	χ^2/NDF : 203906685.9/18	In: 147010.462+/-0.045	χ^2/NDF : 2887750213.7/29
Left In: 146381.467+/-0.064	χ^2/NDF : 2496940262.5/12	Out: 147533.705+/-0.043	χ^2/NDF : 1717773210.0/3
		All: 147284.230+/-0.031	χ^2/NDF : 467754544

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: 201.692 $\pm$ 0.045 χ^2/NDF :240839.6/12

Left: 200.474 $\pm$ 0.031 χ^2/NDF : 431827.3/26

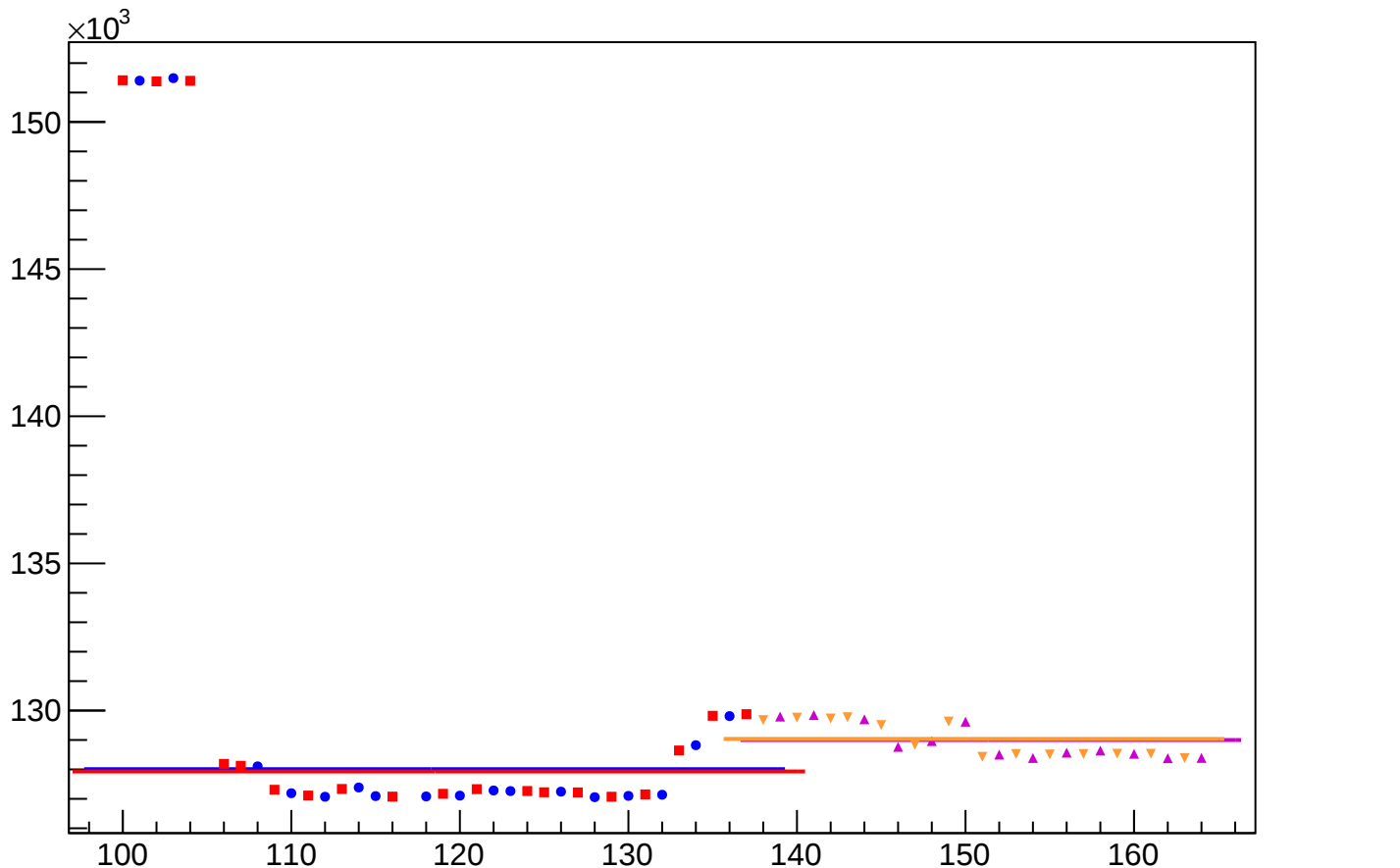
Right: 148.012 $\pm$ 0.030 χ^2/NDF : 2644973.7/35

In: 176.083 $\pm$ 0.032 χ^2/NDF :2133681.7/29

Out: 170.396 $\pm$ 0.030 χ^2/NDF :2374521.4/32

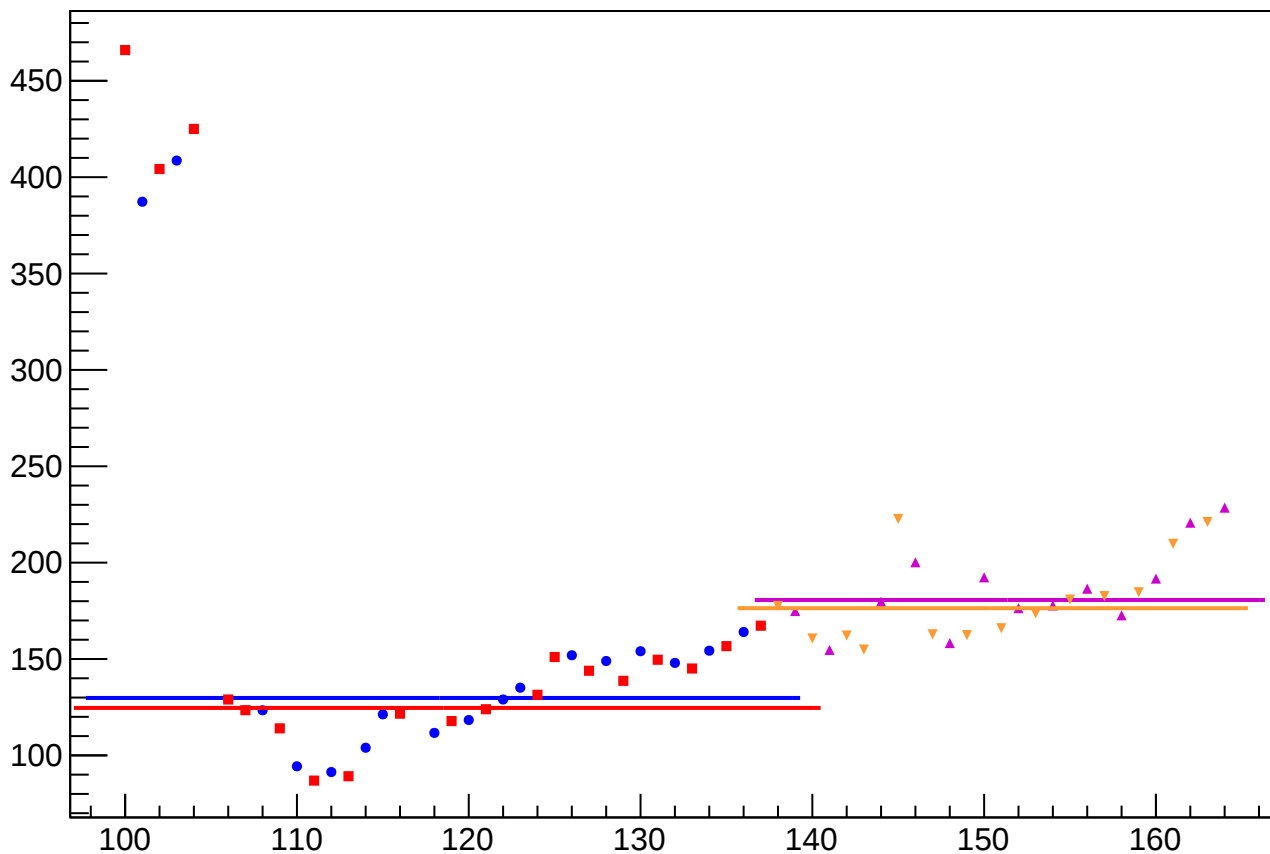
All: 173.107 $\pm$ 0.022 χ^2/NDF : 4525224.3/62

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16
 Left Out: 129035.850 $\pm$ 0.055 χ^2 /NDF: 109971307.1/13
 Right Out: 127930.136 $\pm$ 0.050 χ^2 /NDF: 3768176193.0/18
 Left In: 128998.178 $\pm$ 0.057 χ^2 /NDF: 100800378.9/12
 Left: 129017.655 $\pm$ 0.040 χ^2 /NDF: 210997826.9/26
 Right: 127965.988 $\pm$ 0.037 χ^2 /NDF: 8089052681.4/26
 In: 128477.488 $\pm$ 0.039 χ^2 /NDF: 4579598227.6/29
 Out: 128434.075 $\pm$ 0.037 χ^2 /NDF: 4097672283.1/30
 All: 128454.608 $\pm$ 0.027 χ^2 /NDF: 867791575.0/59

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 176.367 $\pm$ 0.039 χ^2 /NDF: 249216.1/13

Right Out: 124.625 $\pm$ 0.036 χ^2 /NDF: 1531827.4/18

Left In: 180.616 $\pm$ 0.040 χ^2 /NDF: 214477.5/12

Left: 178.419 $\pm$ 0.028 χ^2 /NDF: 469447.3/26

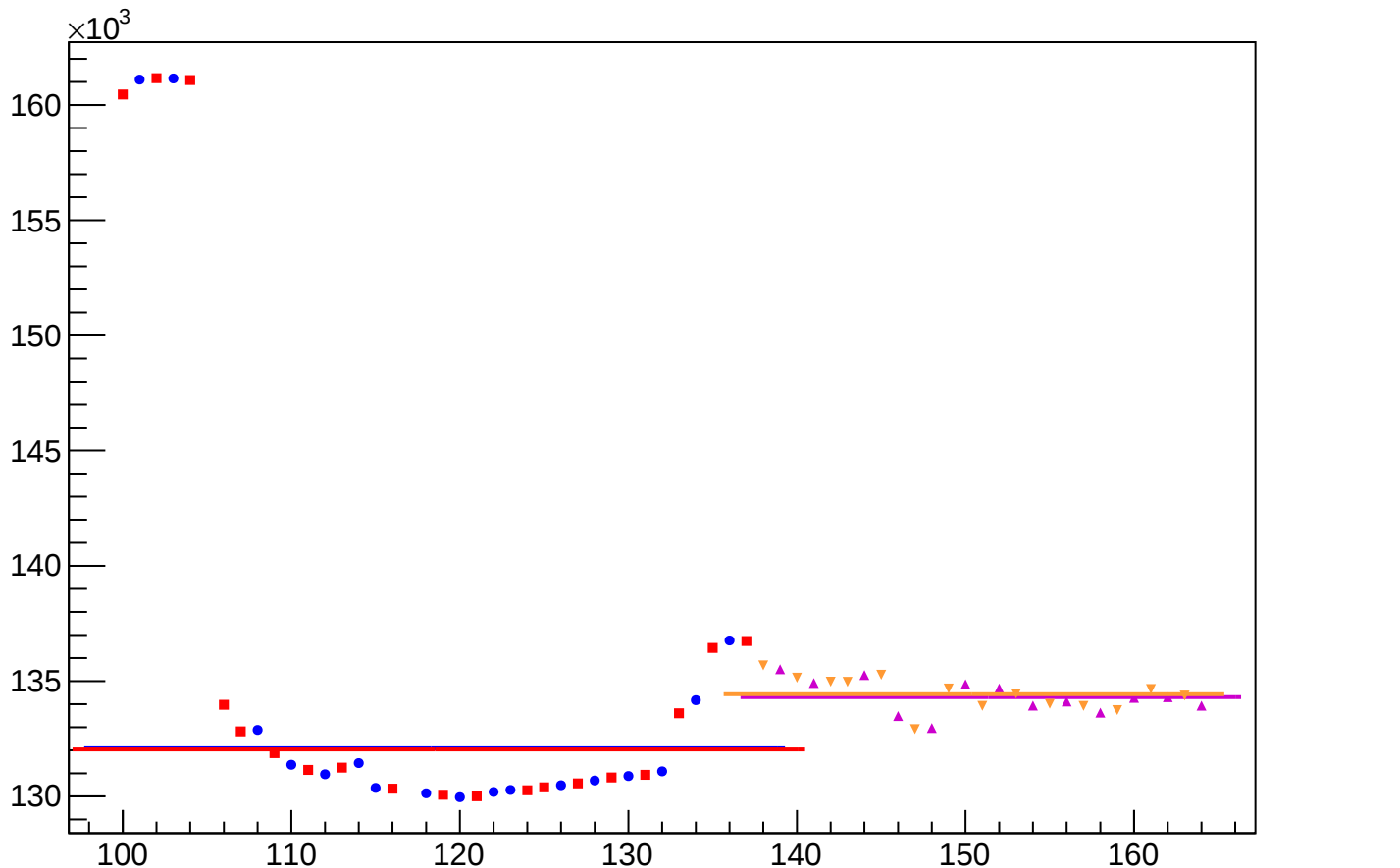
Right: 127.025 $\pm$ 0.026 χ^2 /NDF: 3026904.3/35

In: 153.909 $\pm$ 0.028 χ^2 /NDF: 2536408.3/29

Out: 148.206 $\pm$ 0.026 χ^2 /NDF: 2742466.5/32

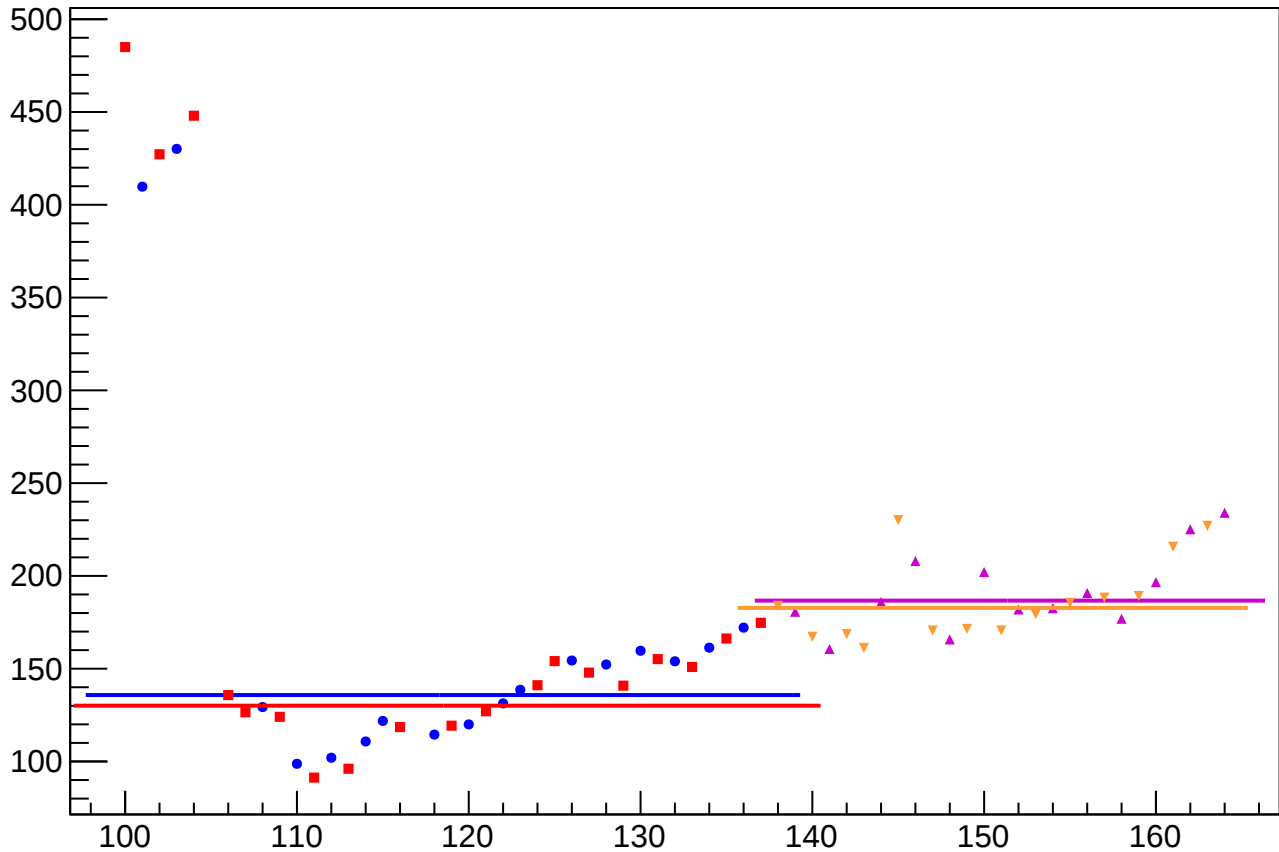
All: 150.903 $\pm$ 0.019 χ^2 /NDF: 5301141.6/62

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 132086.794+/-0.057	χ^2/NDF : 6733230928.7/16	Left: 134371.864+/-0.041	χ^2/NDF : 319950190.7/26
Left Out: 134432.812+/-0.057	χ^2/NDF : 160527247.2/13	Right: 132060.364+/-0.038	χ^2/NDF : 12615754245.5/13
Right Out: 132037.539+/-0.053	χ^2/NDF : 5882115872.9/18	In: 133151.940+/-0.041	χ^2/NDF : 7630429678.8/29
Left In: 134306.959+/-0.059	χ^2/NDF : 157065309.4/12	Out: 133136.750+/-0.039	χ^2/NDF : 6996818217.8/3
		All: 133143.938+/-0.028	χ^2/NDF : 146273210.0/10

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: 186.685 $\pm$ 0.042 χ^2 /NDF:200886.9/12

Left: 184.667 $\pm$ 0.029 χ^2 /NDF: 433450.6/26

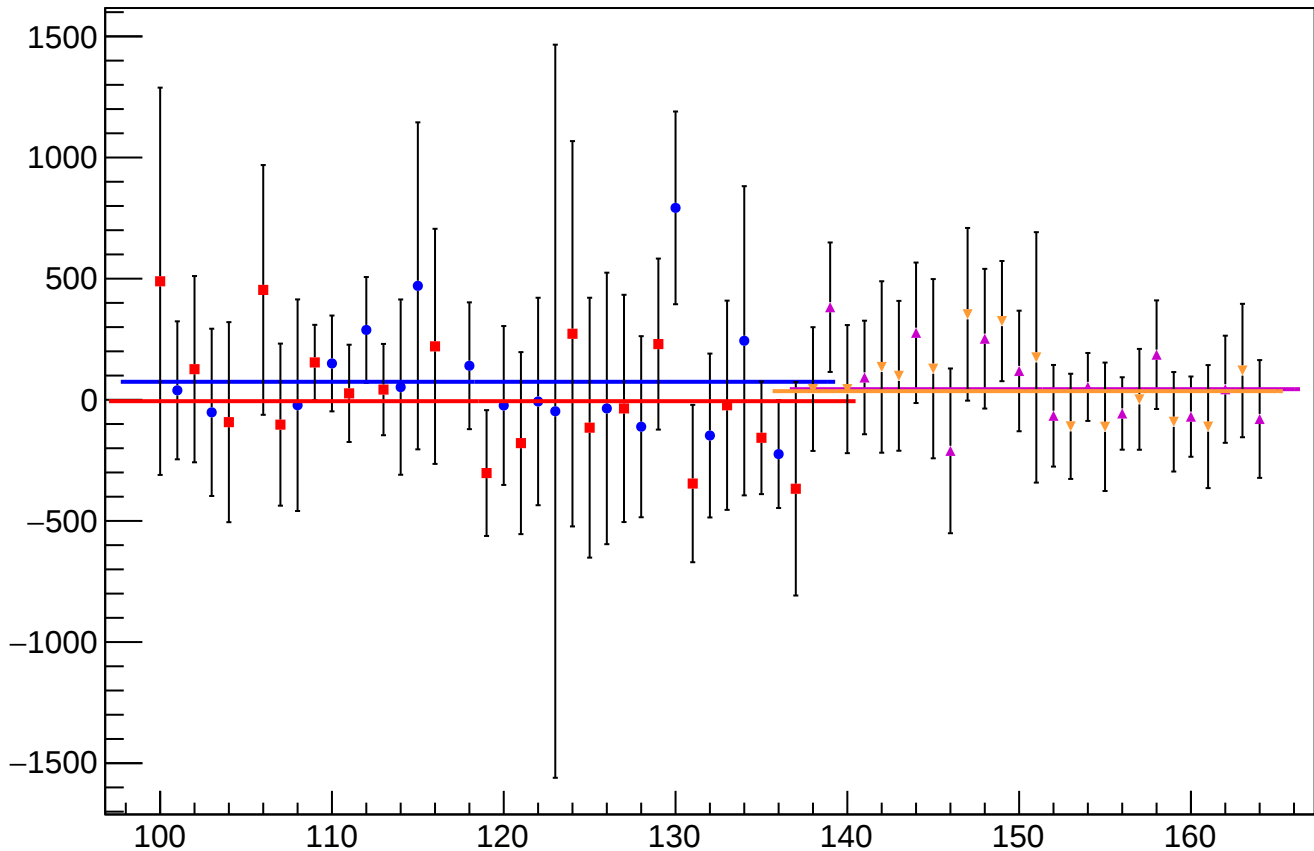
Right: 132.723 $\pm$ 0.027 χ^2 /NDF: 2956918.0/35

In: 160.211 $\pm$ 0.029 χ^2 /NDF:2420499.7/29

Out: 154.255 $\pm$ 0.027 χ^2 /NDF:2655888.5/32

All: 157.073 $\pm$ 0.020 χ^2 /NDF: 5098868.8/62

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.294 ± 79.018 χ^2/NDF : 7.7/16

Left Out: 35.701 ± 71.758 χ^2/NDF : 4.0/13

Right Out: -5.739 ± 70.069 χ^2/NDF : 7.1/18

Left In: 43.838 ± 58.423 χ^2/NDF : 5.3/12

Left: 40.594 ± 45.306 χ^2/NDF : 9.3/26

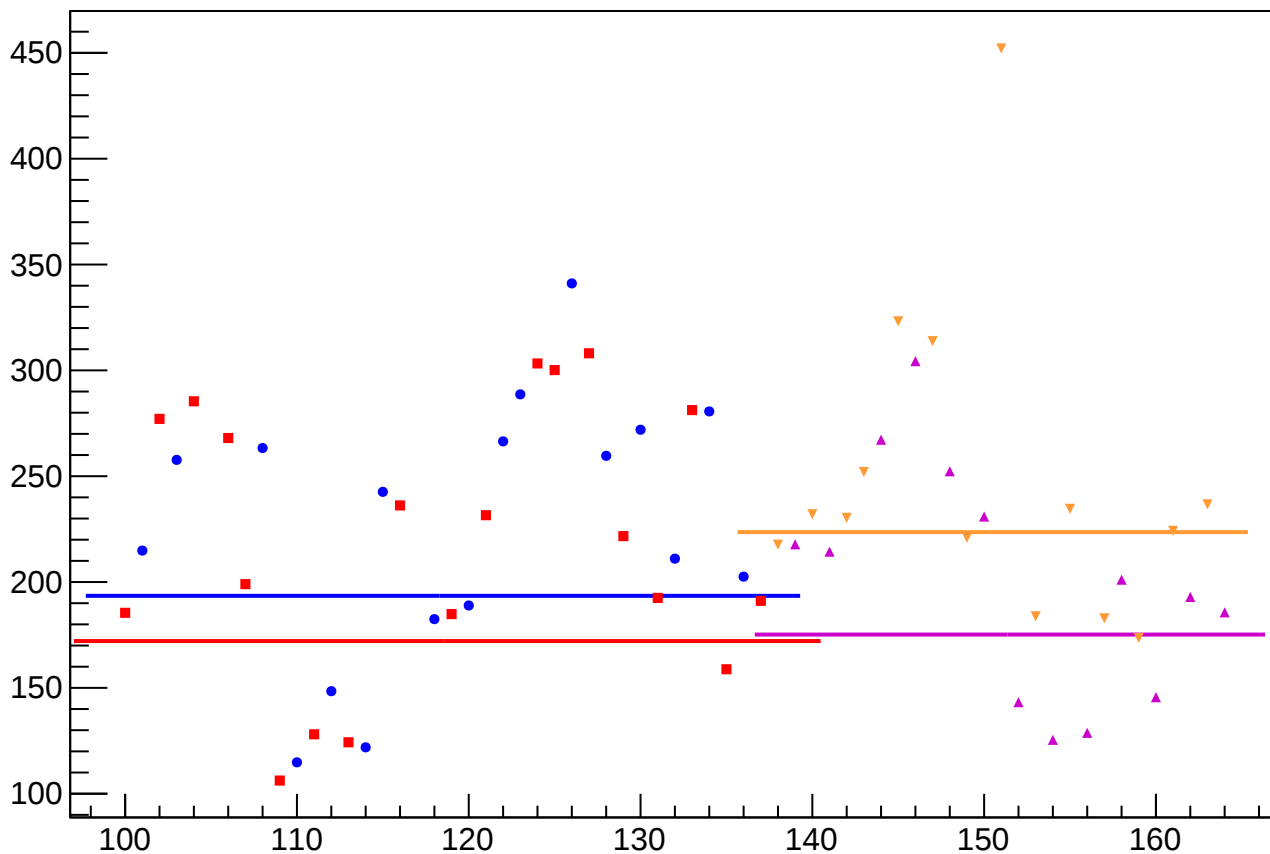
Right: 29.490 ± 52.426 χ^2/NDF : 15.4/35

In: 54.603 ± 46.977 χ^2/NDF : 13.1/29

Out: 14.487 ± 50.133 χ^2/NDF : 11.3/32

All: 35.847 ± 34.279 χ^2/NDF : 24.7/62

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: 175.183 $\pm$ 0.041 χ^2/NDF : 1438615.6/12

Left: 194.479 $\pm$ 0.032 χ^2/NDF : 2941155.1/26

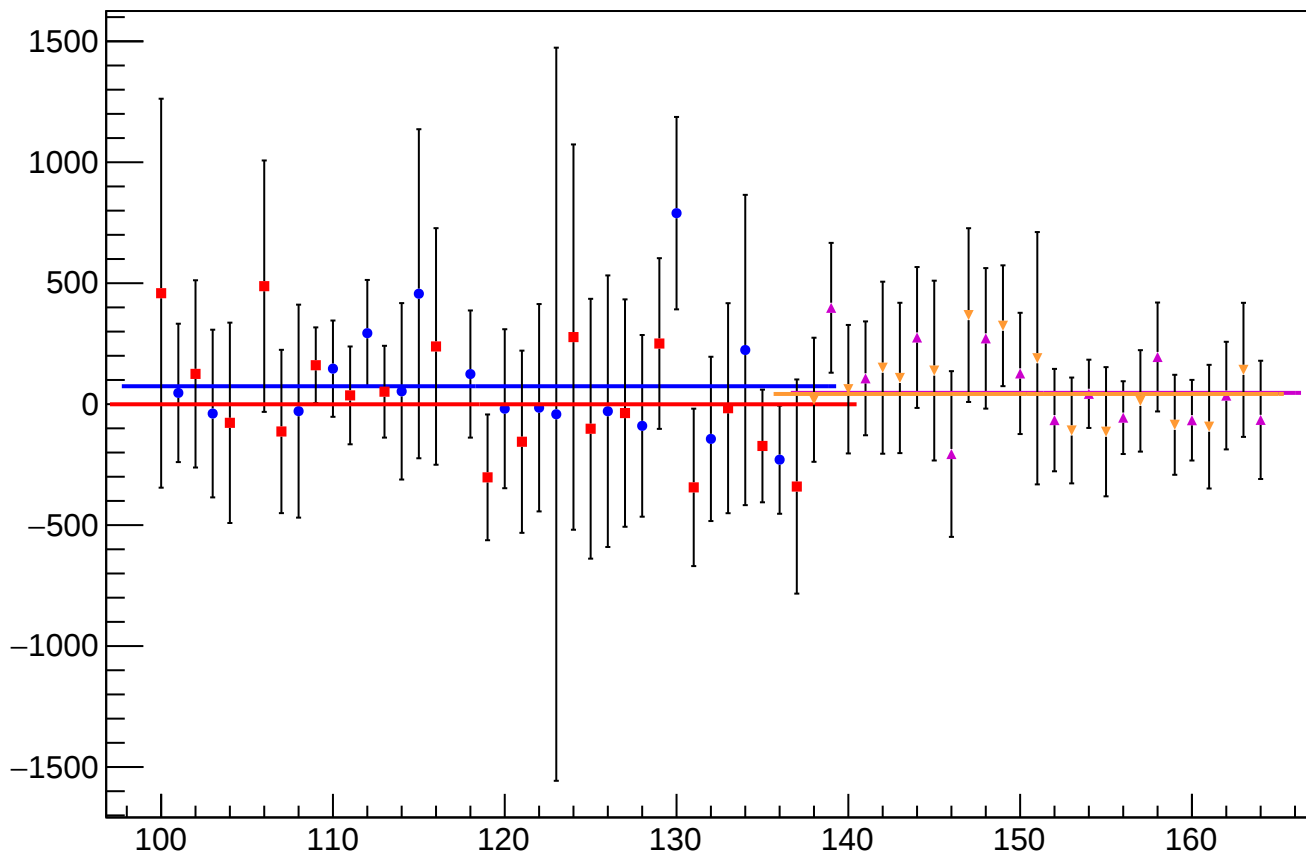
Right: 181.527 $\pm$ 0.037 χ^2/NDF : 2678891.2/35

In: 181.653 $\pm$ 0.033 χ^2/NDF : 2525201.5/29

Out: 197.242 $\pm$ 0.035 χ^2/NDF : 3061751.6/32

All: 188.942 $\pm$ 0.024 χ^2/NDF : 5689925.5/62

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: 46.645 $\pm$ 58.776 χ^2 /NDF: 5.5/12

Left: 44.862 $\pm$ 45.587 χ^2 /NDF: 9.5/26

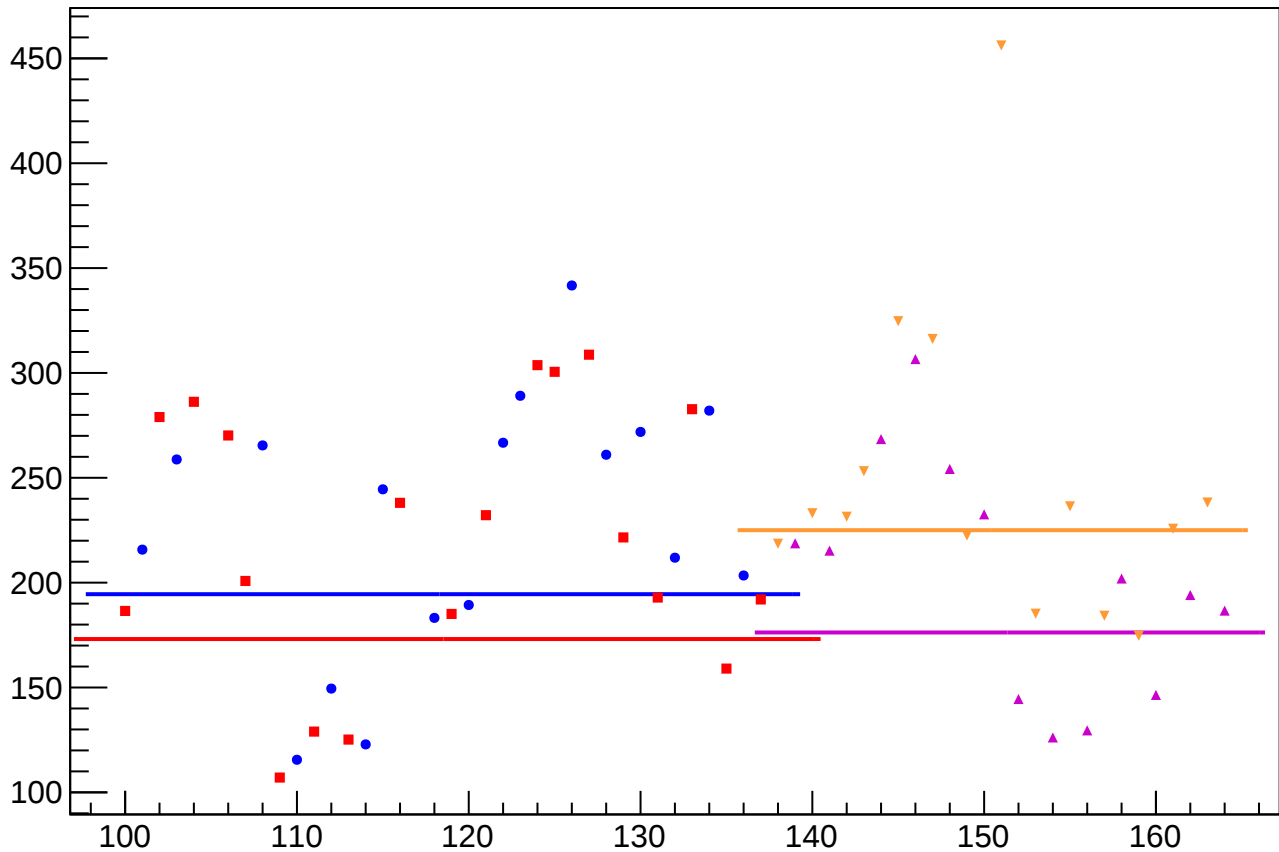
Right: 32.349 $\pm$ 52.693 χ^2 /NDF: 15.4/35

In: 56.362 $\pm$ 47.242 χ^2 /NDF: 13.1/29

Out: 20.301 $\pm$ 50.424 χ^2 /NDF: 11.5/32

All: 39.506 $\pm$ 34.475 χ^2 /NDF: 24.9/62

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 225.016 $\pm$ 0.051 χ^2 /NDF:954793.4/13

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

Left In: 176.242 $\pm$ 0.042 χ^2 /NDF:1436537.2/12

Left: 195.676 $\pm$ 0.032 χ^2 /NDF: 2940087.1/26

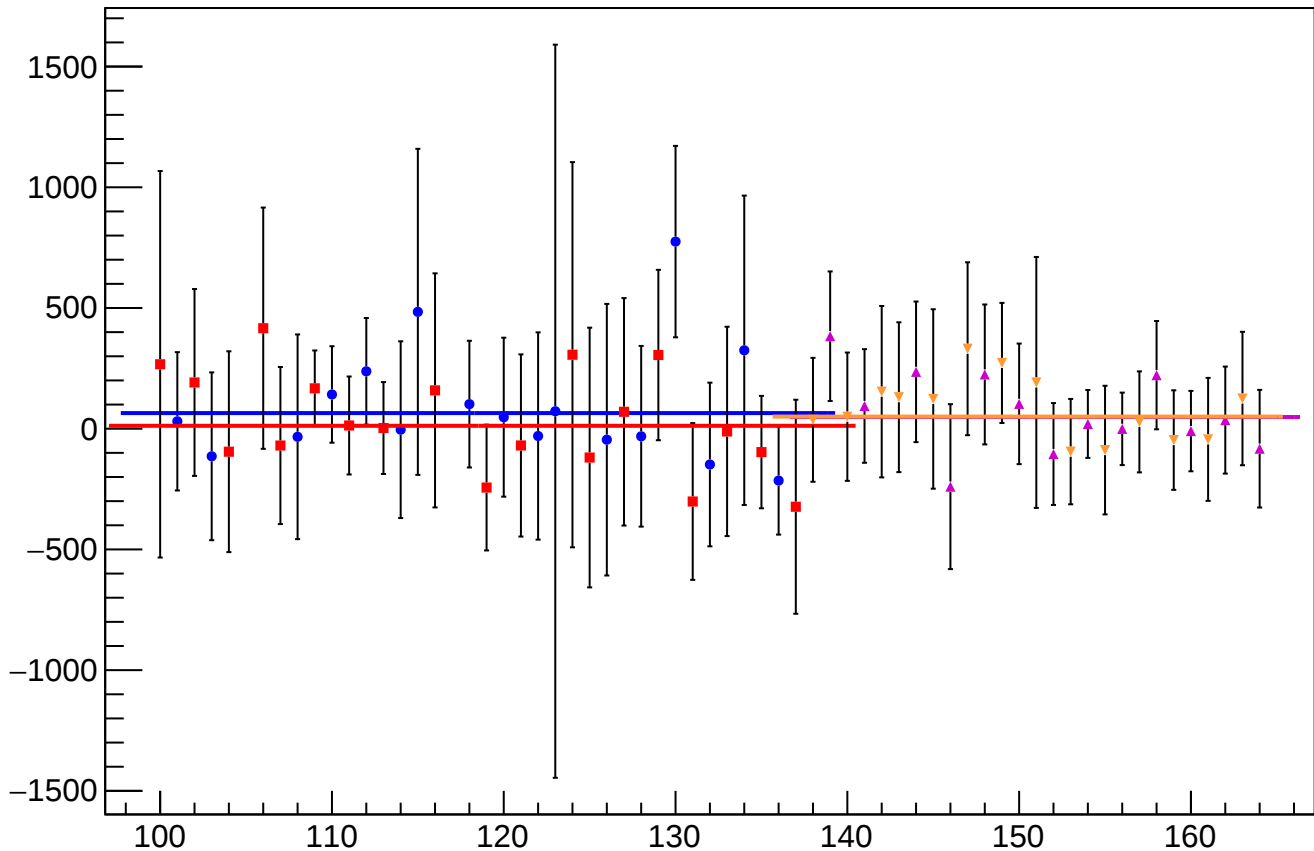
Right: 182.529 $\pm$ 0.037 χ^2 /NDF: 2657073.5/35

In: 182.704 $\pm$ 0.033 χ^2 /NDF:2513337.8/29

Out: 198.415 $\pm$ 0.036 χ^2 /NDF:3051626.2/32

All: 190.048 $\pm$ 0.024 χ^2 /NDF: 5668374.6/62

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 64.733+/-79.399 χ^2/NDF : 7.0/16

Left Out: 50.277+/-72.064 χ^2/NDF : 2.8/13

Right Out: 12.094+/-70.361 χ^2/NDF : 5.8/18

Left In: 48.416+/-58.630 χ^2/NDF : 4.8/12

Left: 49.157+/-45.480 χ^2/NDF : 7.7/26

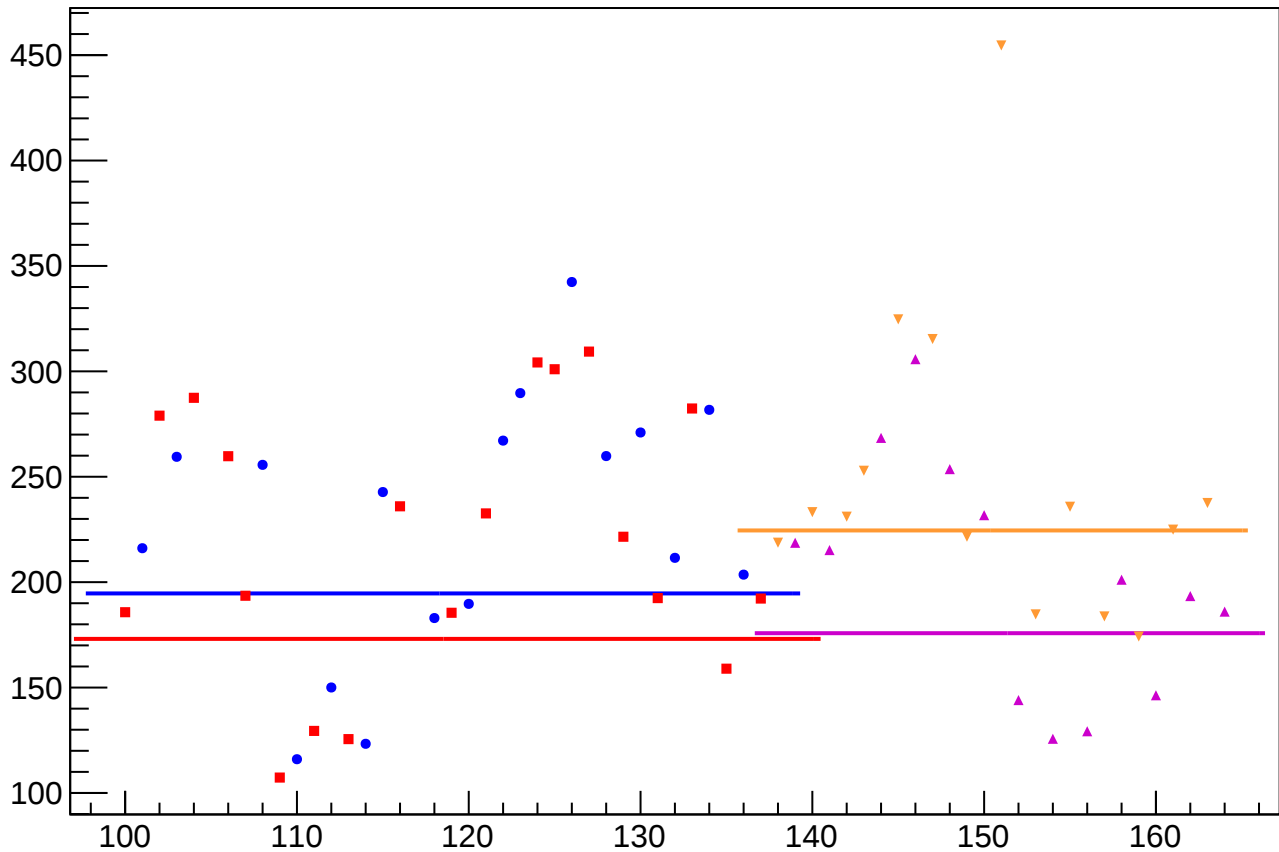
Right: 35.248+/-52.659 χ^2/NDF : 13.1/35

In: 54.173+/-47.165 χ^2/NDF : 11.9/29

Out: 30.729+/-50.344 χ^2/NDF : 8.8/32

All: 43.215+/-34.420 χ^2/NDF : 20.8/62

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 224.529 $\pm$ 0.051 χ^2 /NDF: 956210.6/13

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

Left In: 175.790 $\pm$ 0.041 χ^2 /NDF: 1439733.8/12

Left: 195.202 $\pm$ 0.032 χ^2 /NDF: 2946406.4/26

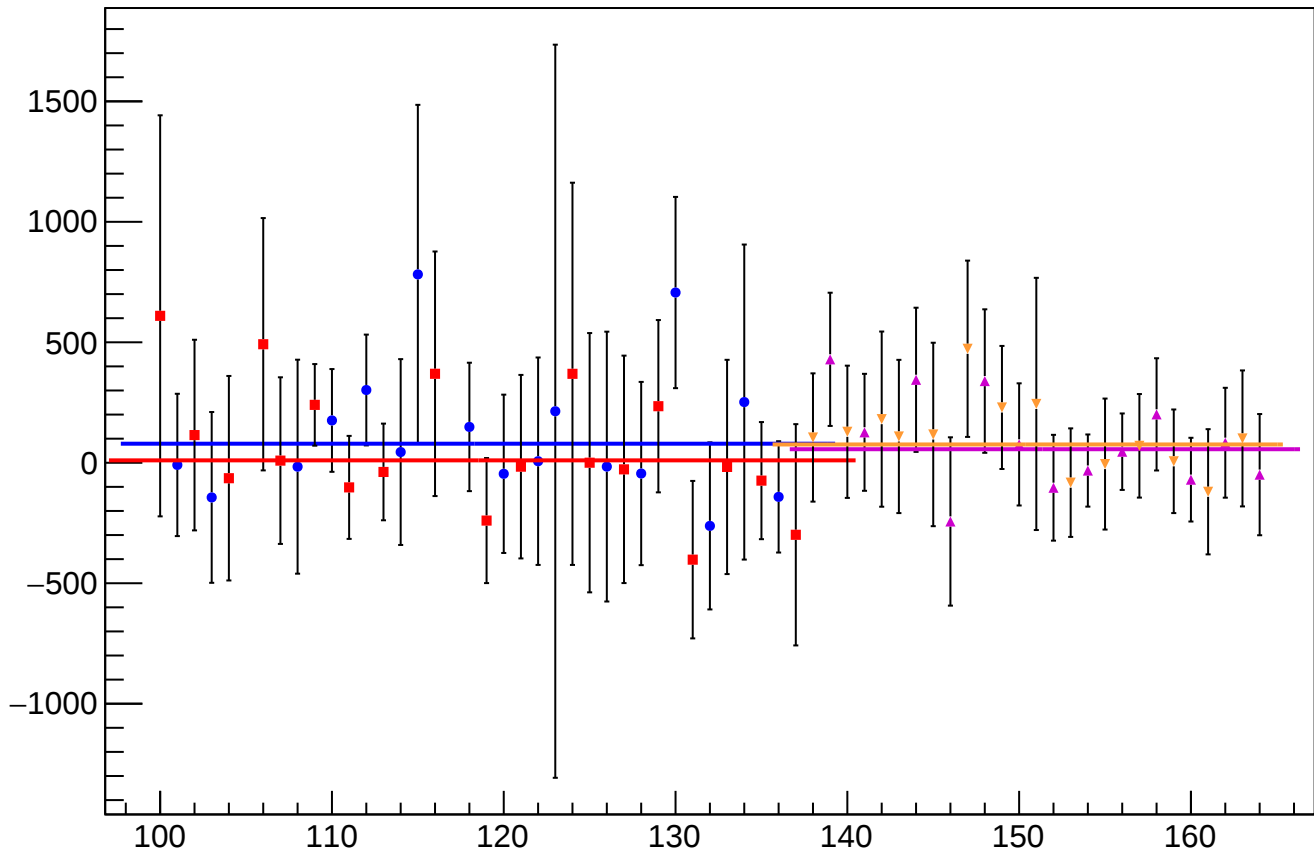
Right: 182.574 $\pm$ 0.037 χ^2 /NDF: 2613964.4/35

In: 182.446 $\pm$ 0.033 χ^2 /NDF: 2499571.8/29

Out: 198.194 $\pm$ 0.036 χ^2 /NDF: 3022457.6/32

All: 189.807 $\pm$ 0.024 χ^2 /NDF: 5626250.0/62

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: 56.211+/-61.094 χ^2/NDF : 6.5/12

Left: 64.215+/-47.140 χ^2/NDF : 9.6/26

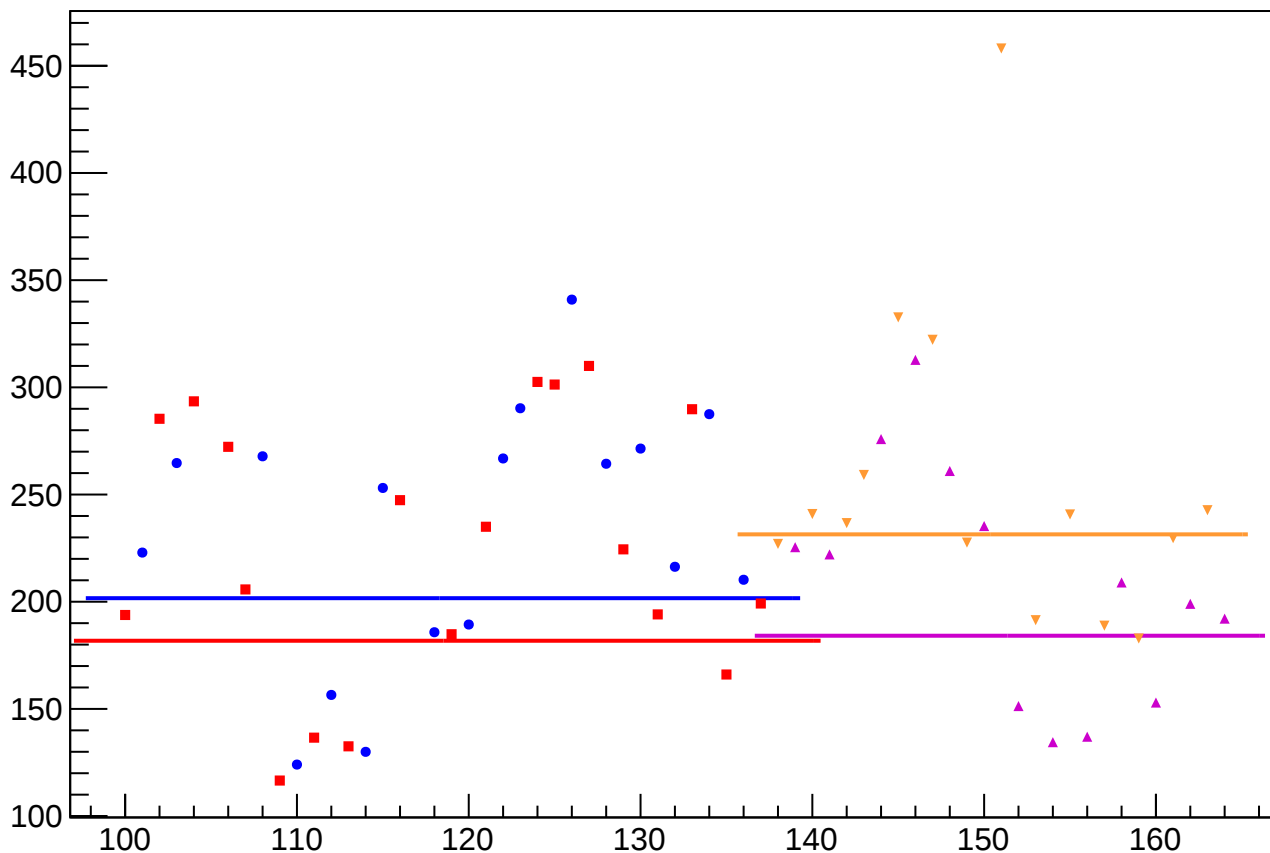
Right: 40.751+/-54.616 χ^2/NDF : 15.8/35

In: 64.407+/-48.965 χ^2/NDF : 14.0/29

Out: 42.631+/-52.117 χ^2/NDF : 11.3/32

All: 54.197+/-35.686 χ^2/NDF : 25.4/62

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: 184.141+/-0.043 χ^2/NDF : 1306145.4/12

Left: 203.277+/-0.033 χ^2/NDF : 2699112.7/26

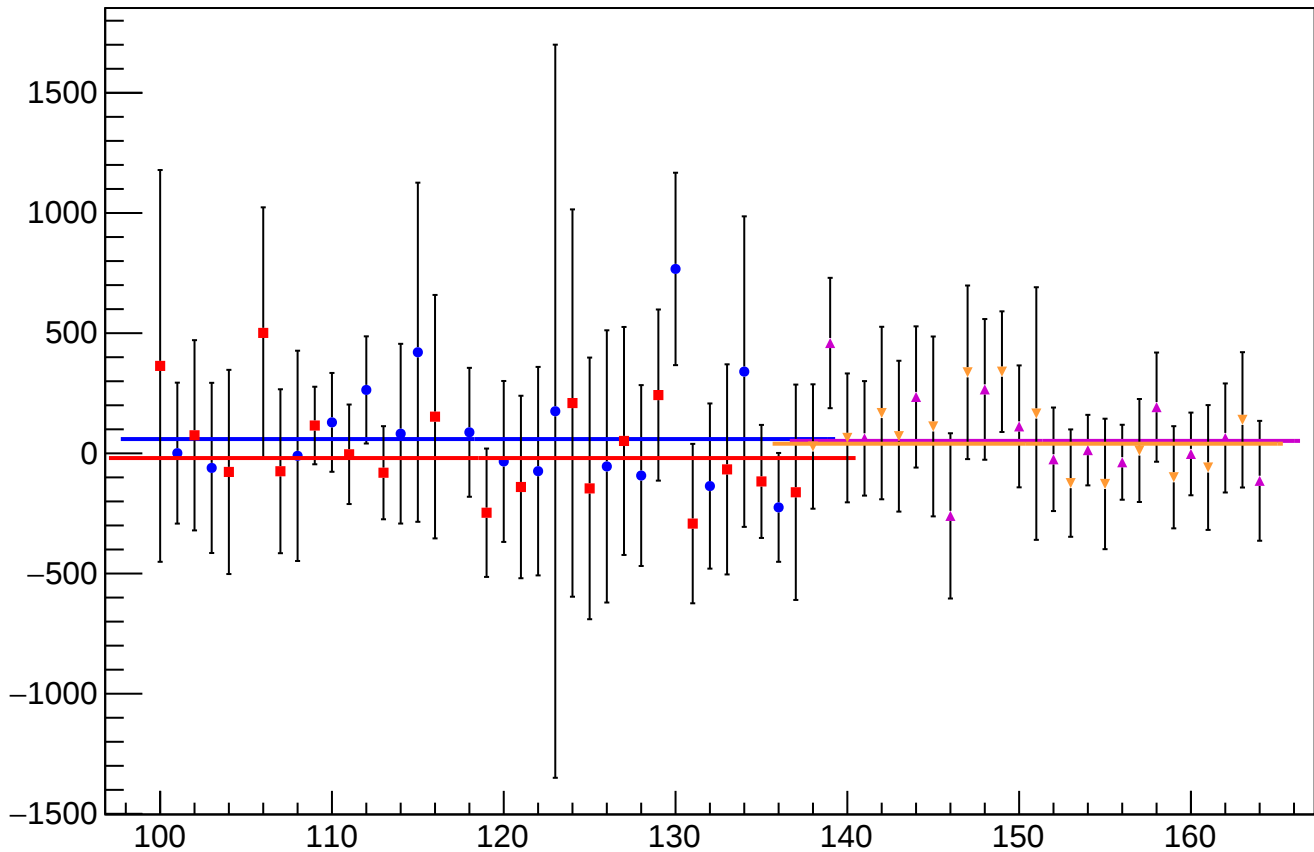
Right: 190.633+/-0.039 χ^2/NDF : 2325921.8/35

In: 190.405+/-0.035 χ^2/NDF : 2248102.6/29

Out: 206.346+/-0.037 χ^2/NDF : 2738970.7/32

All: 197.879+/-0.025 χ^2/NDF : 5086457.0/62

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: 51.892 $\pm$ 60.159 χ^2 /NDF:5.5/12

Left: 47.158 $\pm$ 46.506 χ^2 /NDF: 9.5/26

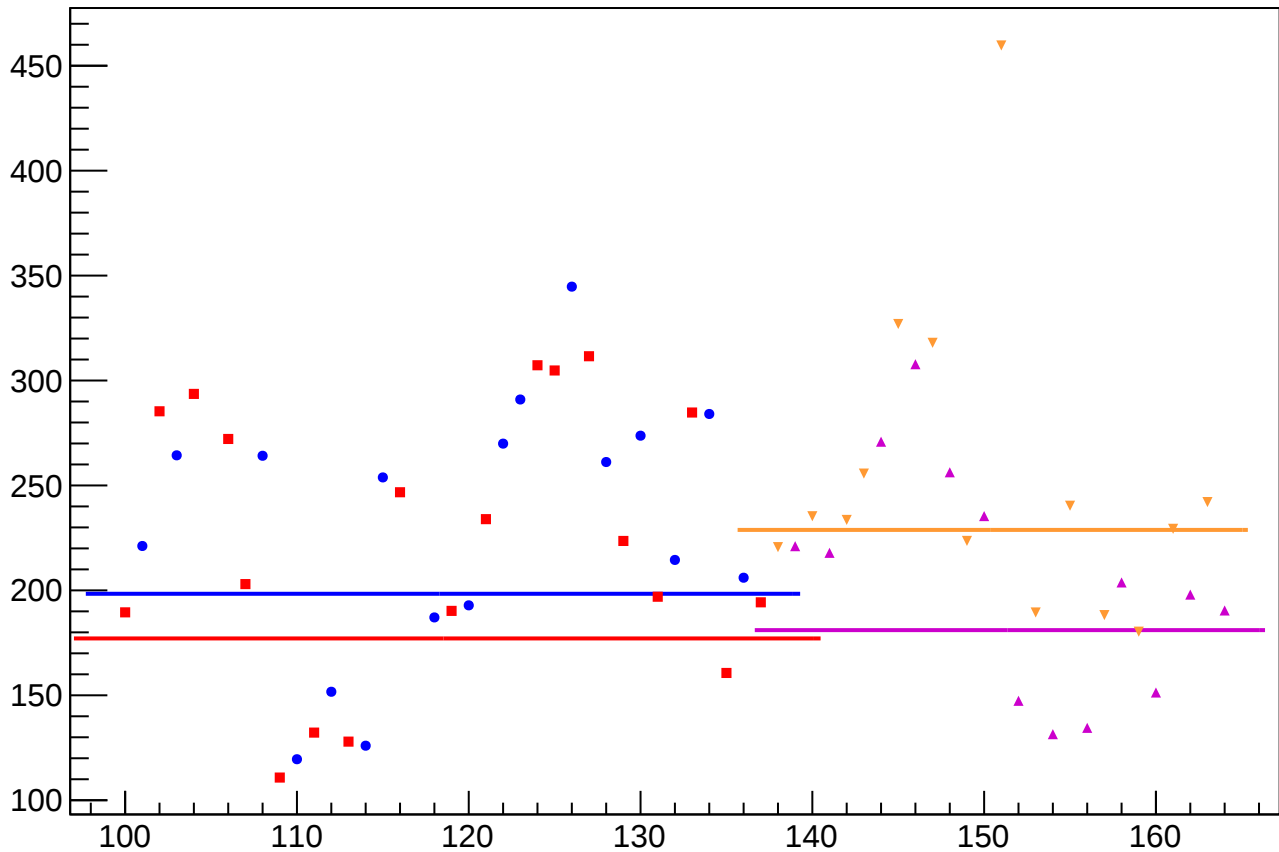
Right: 15.364 $\pm$ 53.701 χ^2 /NDF: 12.3/35

In: 54.604 $\pm$ 48.255 χ^2 /NDF:12.5/29

Out: 9.699 $\pm$ 51.320 χ^2 /NDF:9.0/32

All: 33.532 $\pm$ 35.155 χ^2 /NDF: 22.0/62

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 228.813 $\pm$ 0.052 χ^2 /NDF: 910459.6/13

Right Out: 177.096 $\pm$ 0.051 χ^2 /NDF: 1524763.6/18

Left In: 181.059 $\pm$ 0.043 χ^2 /NDF: 1323030.8/12

Left: 200.275 $\pm$ 0.033 χ^2 /NDF: 2740593.0/26

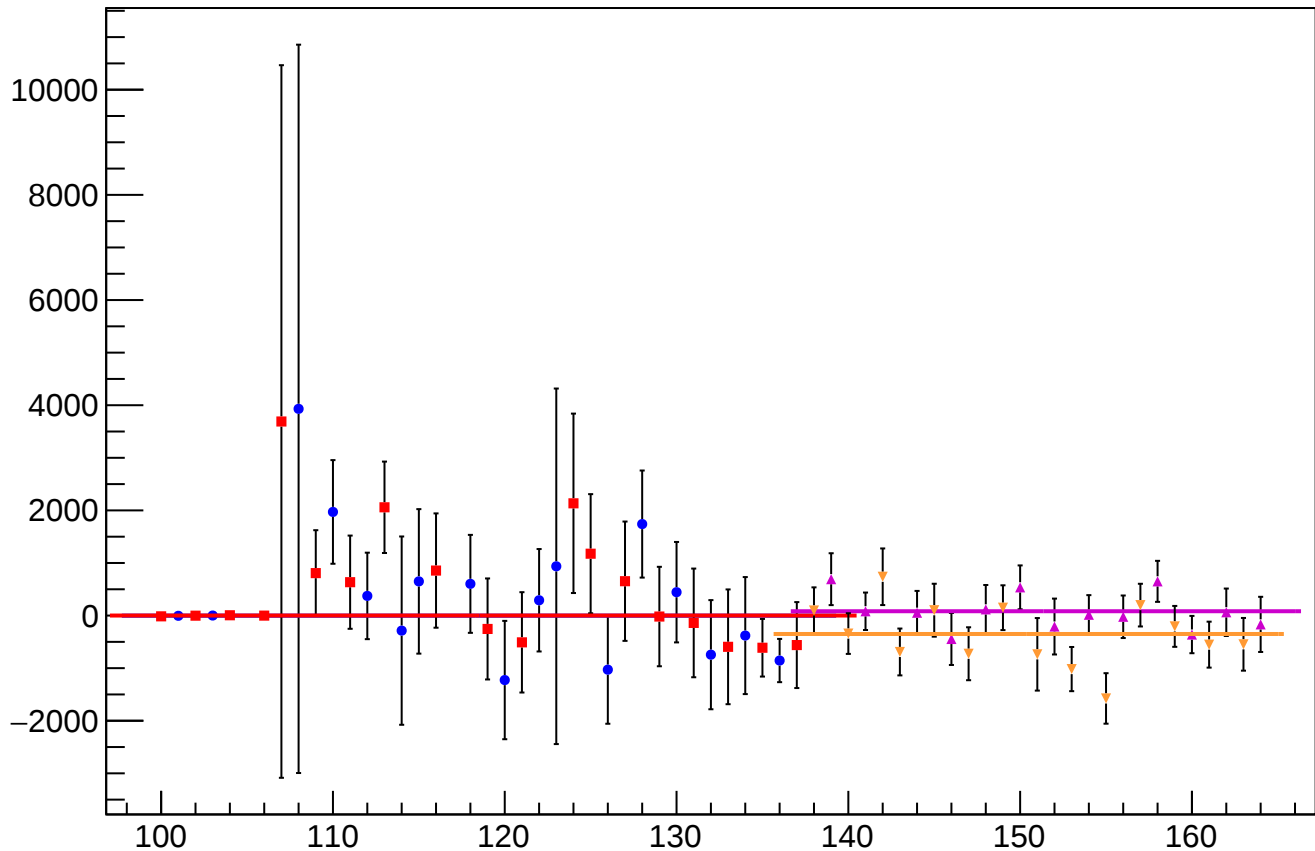
Right: 186.495 $\pm$ 0.038 χ^2 /NDF: 2565896.1/35

In: 187.235 $\pm$ 0.034 χ^2 /NDF: 2345810.3/29

Out: 202.439 $\pm$ 0.036 χ^2 /NDF: 2942772.3/32

All: 194.370 $\pm$ 0.025 χ^2 /NDF: 5381750.6/62

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: 82.443 ± 117.673 χ^2/NDF : 8.2/12

Left: -127.072 ± 84.517 χ^2/NDF : 34.9/26

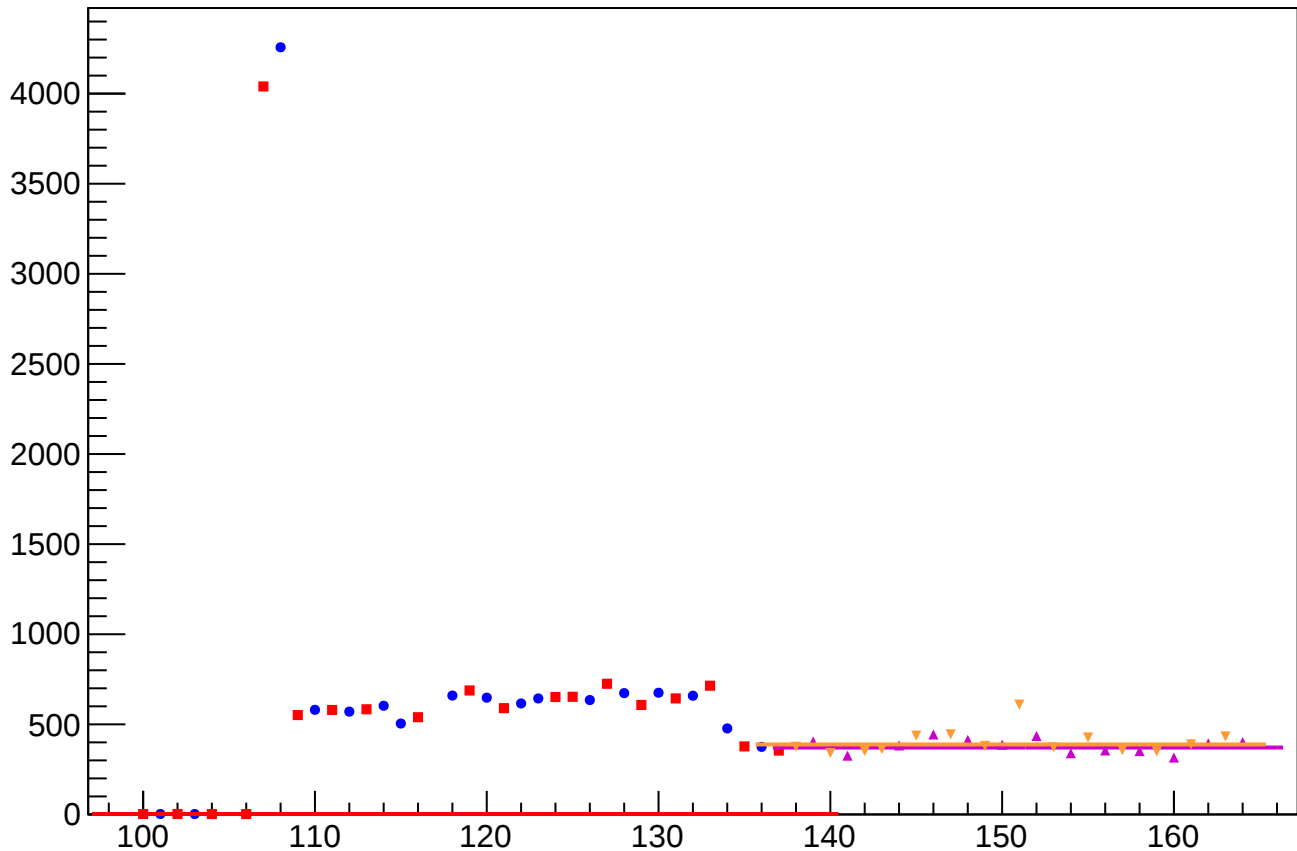
Right: -0.329 ± 1.540 χ^2/NDF : 36.8/35

In: -1.499 ± 2.251 χ^2/NDF : 25.6/29

Out: 0.621 ± 2.111 χ^2/NDF : 47.8/32

All: -0.371 ± 1.540 χ^2/NDF : 73.9/62

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: 371.335+/-0.083 χ^2/NDF : 218264.0/12

Left: 379.671+/-0.060 χ^2/NDF : 599066.8/26

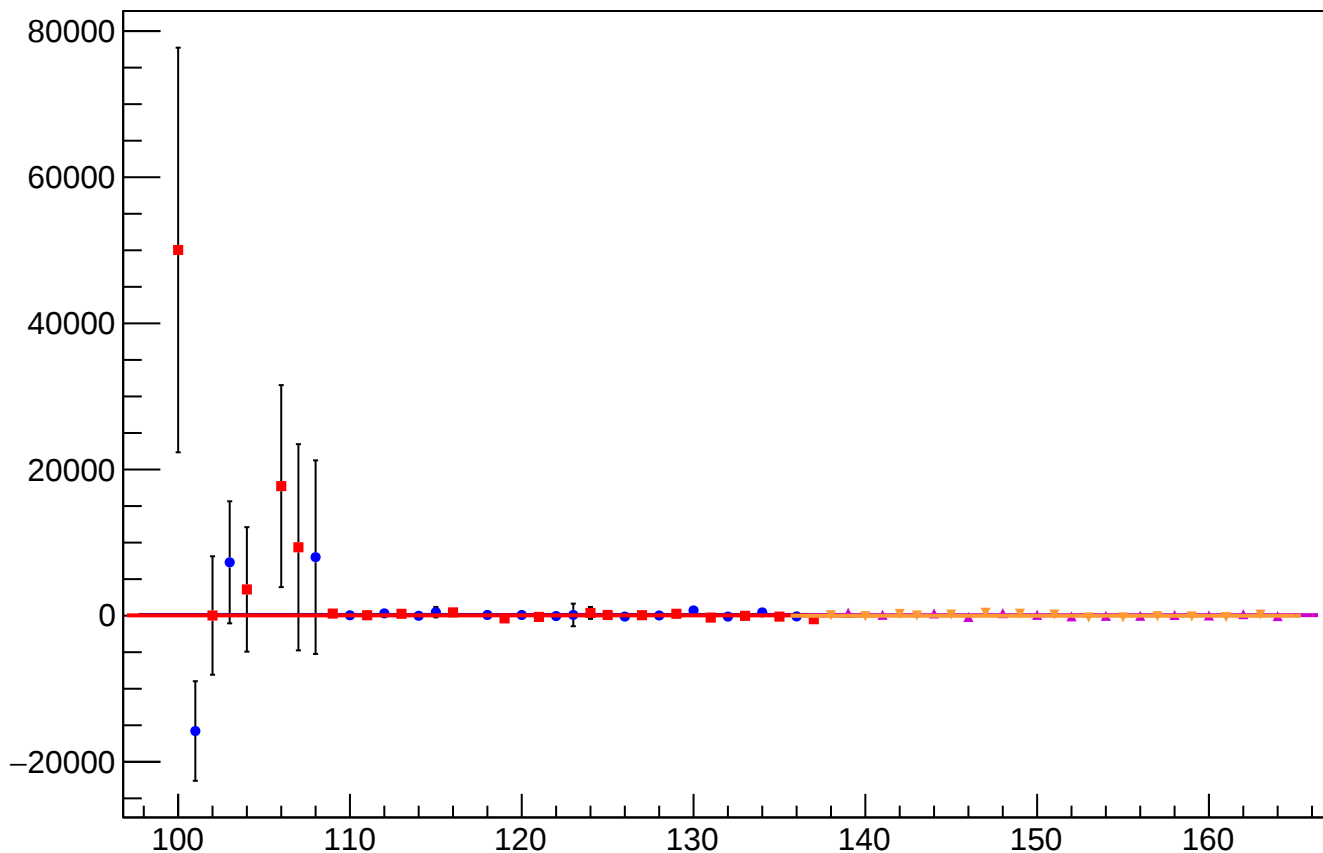
Right: 2.446+/-0.001 χ^2/NDF : 21995279.7/35

In: 2.592+/-0.002 χ^2/NDF : 30712285.2/29

Out: 2.553+/-0.001 χ^2/NDF : 31711021.3/32

All: 2.571+/-0.001 χ^2/NDF : 62423614.6/62

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: 72.655+/-64.143 χ^2/NDF : 5.1/12

Left: 37.954+/-49.367 χ^2/NDF : 11.3/26

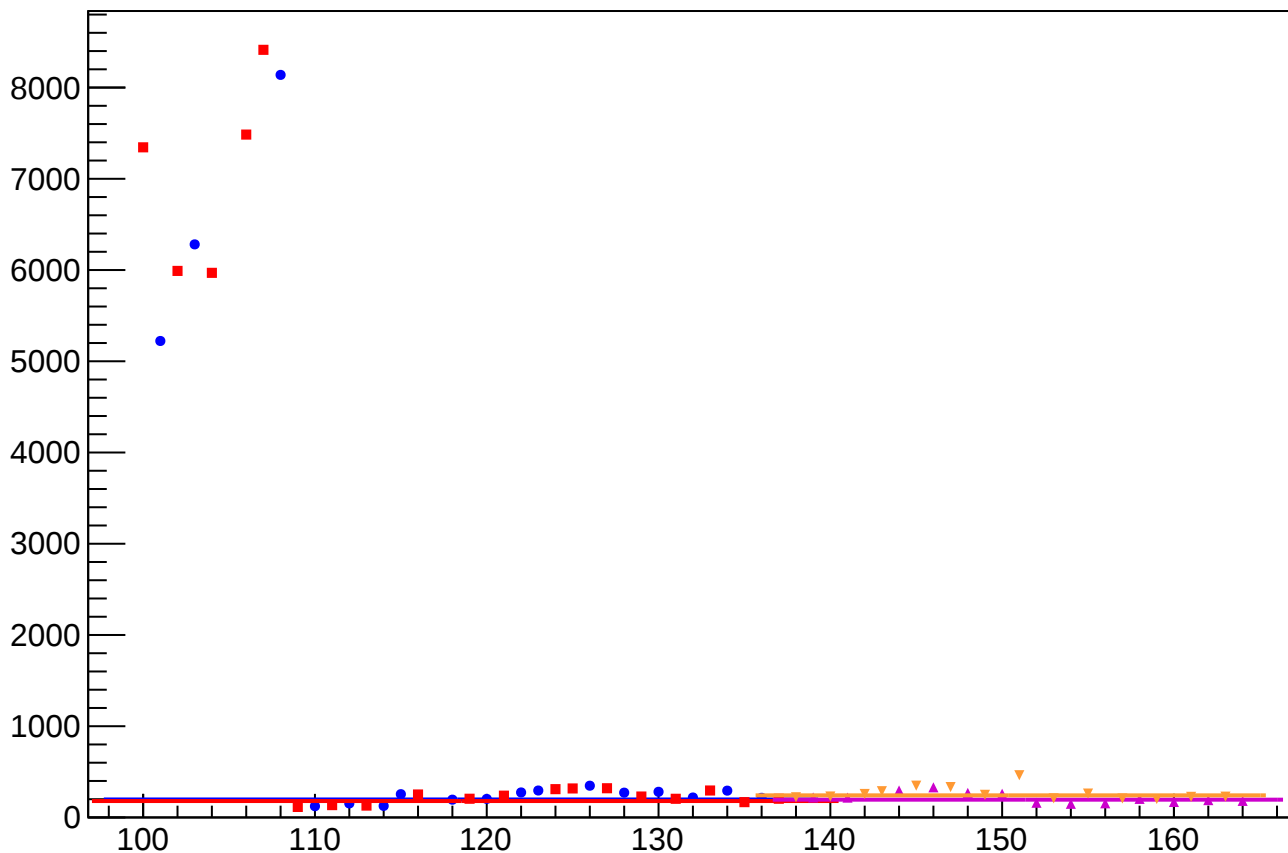
Right: 68.431+/-61.875 χ^2/NDF : 26.0/35

In: 81.299+/-52.401 χ^2/NDF : 17.0/29

Out: 12.492+/-57.041 χ^2/NDF : 19.6/32

All: 49.808+/-38.589 χ^2/NDF : 37.4/62

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: 194.858+/-0.045 χ^2/NDF :1057933.1/12

Left: 214.217+/-0.035 χ^2/NDF : 2329097.7/26

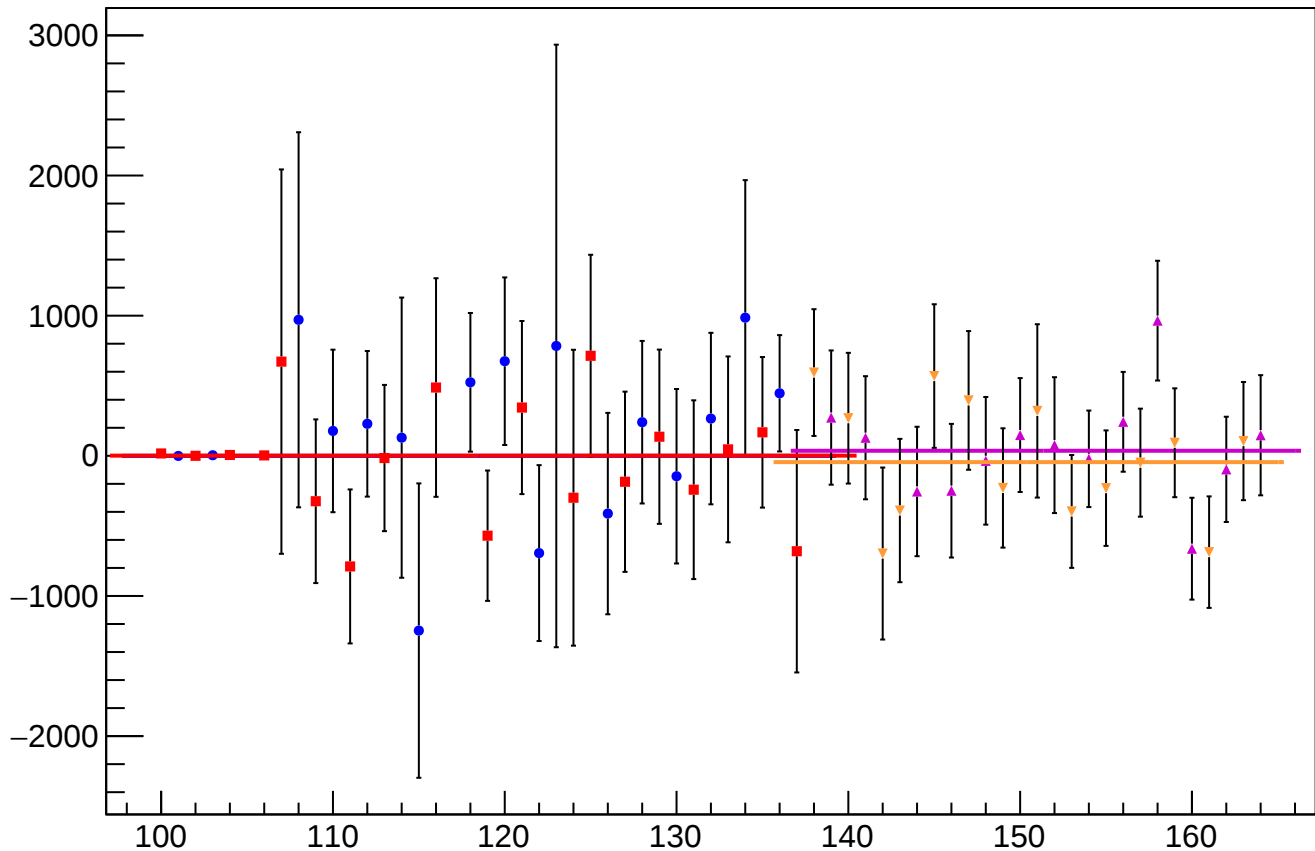
Right: 187.896+/-0.044 χ^2/NDF : 8052936.0/35

In: 195.599+/-0.037 χ^2/NDF :4752349.0/29

Out: 213.909+/-0.040 χ^2/NDF :5739056.3/32

All: 203.979+/-0.027 χ^2/NDF : 10603165.2/62

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: 36.097 ± 114.963 χ^2/NDF : 10.1/12

Left: -2.651 ± 83.041 χ^2/NDF : 21.0/26

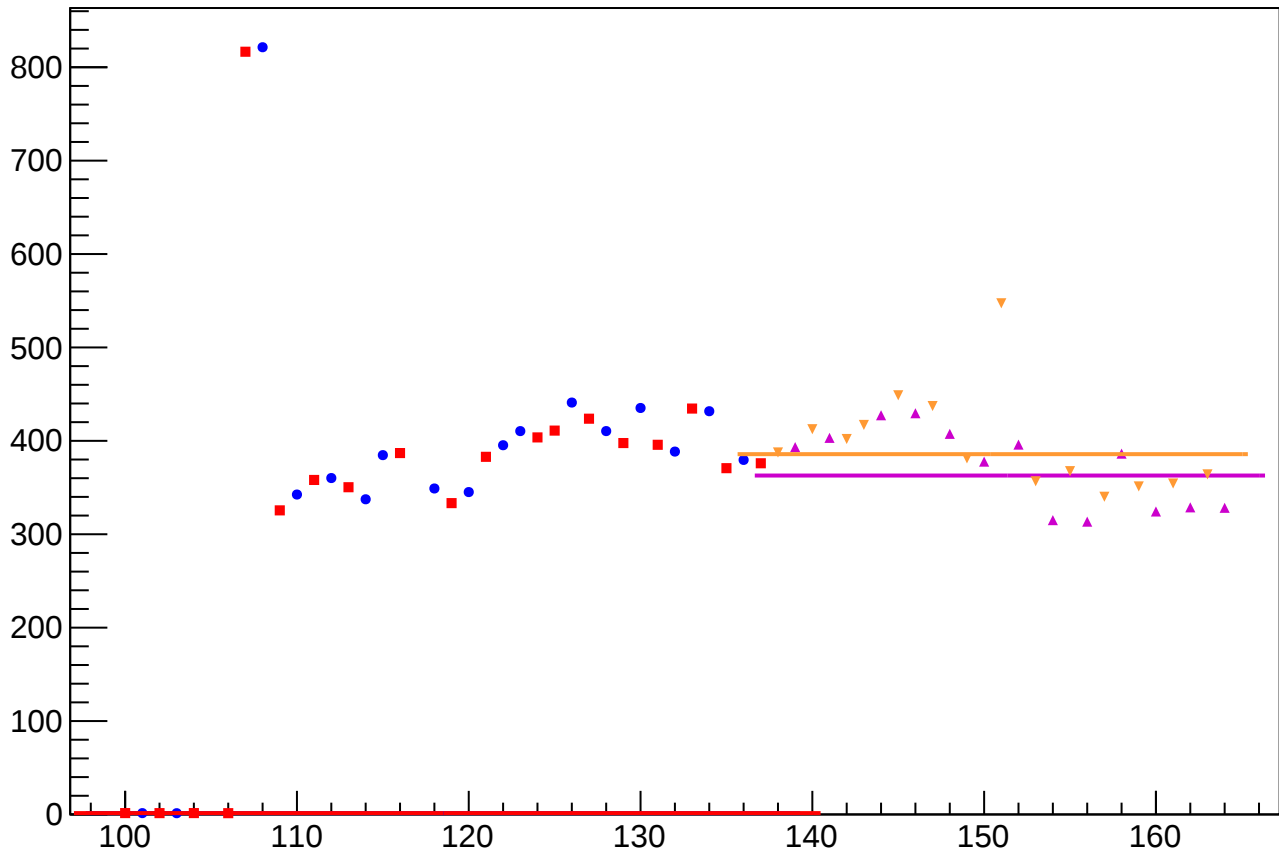
Right: 0.642 ± 1.186 χ^2/NDF : 19.7/35

In: -0.130 ± 1.736 χ^2/NDF : 20.0/29

Out: 1.315 ± 1.622 χ^2/NDF : 20.4/32

All: 0.642 ± 1.185 χ^2/NDF : 40.7/62

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: 362.862+/-0.081 χ^2/NDF : 269175.1/12

Left: 373.808+/-0.059 χ^2/NDF : 587033.0/26

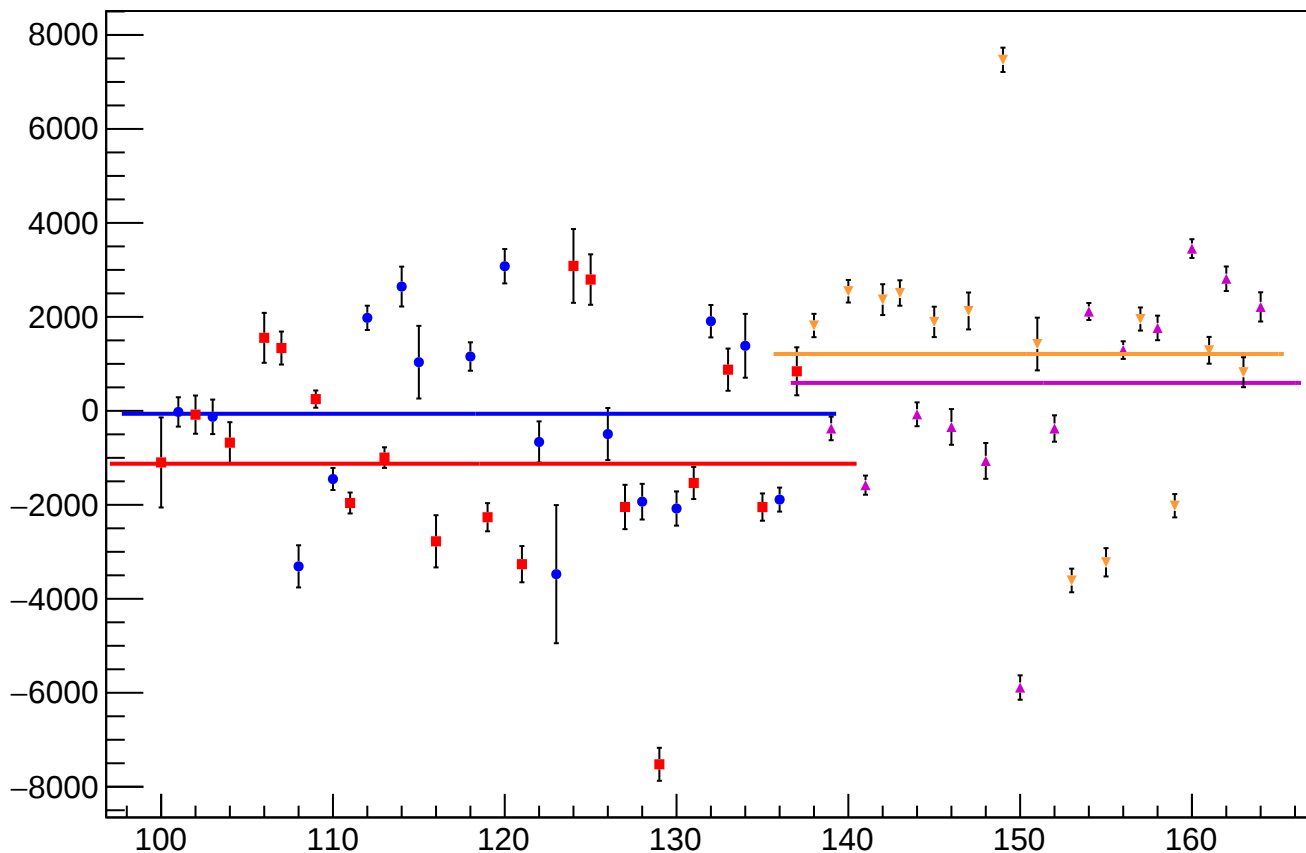
Right: 1.452+/-0.001 χ^2/NDF : 21838725.6/35

In: 1.535+/-0.001 χ^2/NDF : 30988321.5/29

Out: 1.521+/-0.001 χ^2/NDF : 31641844.5/32

All: 1.528+/-0.001 χ^2/NDF : 62630236.1/62

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 1210.663 ± 76.131 $\chi^2/\text{NDF}: 1432.3/13$

Right Out: -1125.437 ± 78.370 $\chi^2/\text{NDF}: 671.2/18$

Left In: 594.693 ± 67.303 $\chi^2/\text{NDF}: 1206.7/12$

Left: 864.911 ± 50.424 $\chi^2/\text{NDF}: 2675.8/26$

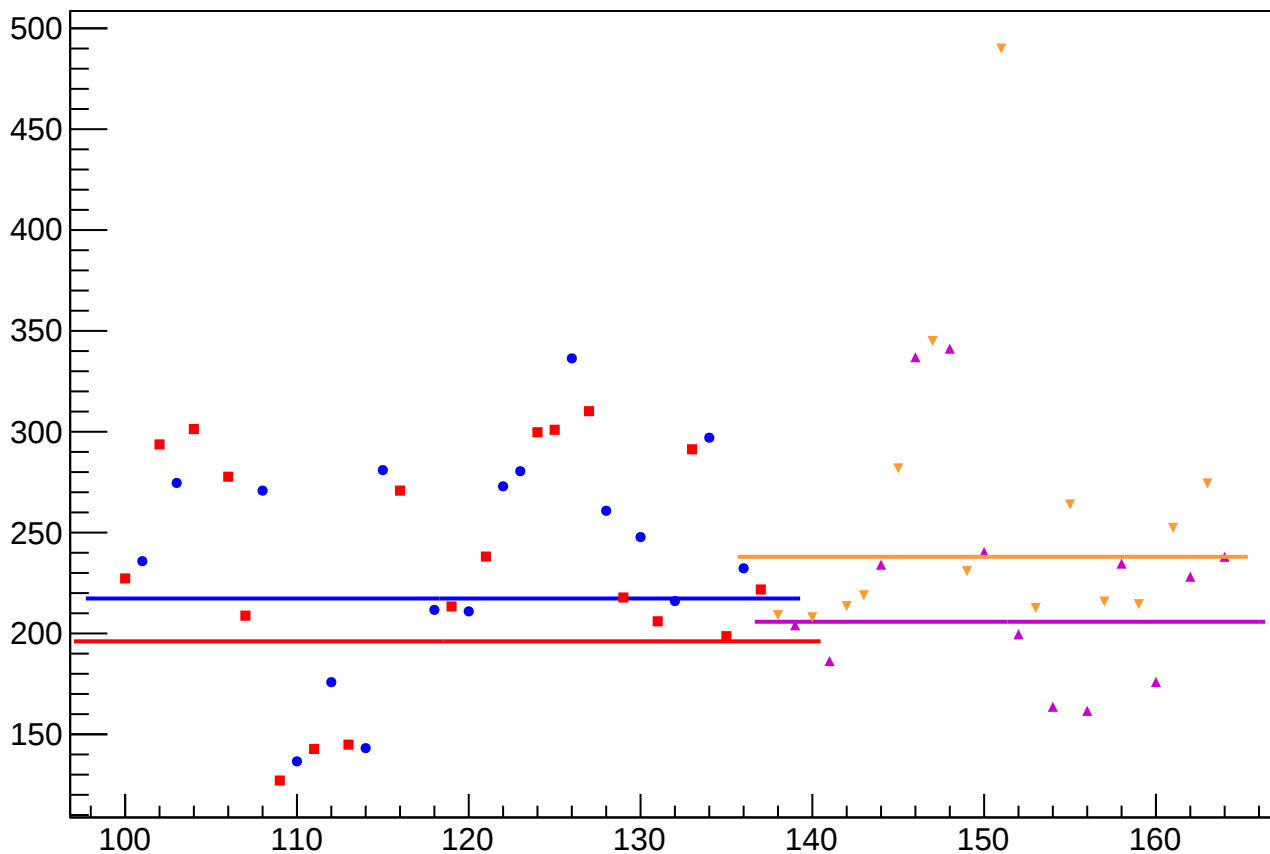
Right: -651.694 ± 58.355 $\chi^2/\text{NDF}: 1187.1/35$

In: 350.261 ± 53.330 $\chi^2/\text{NDF}: 1676.1/29$

Out: 76.453 ± 54.607 $\chi^2/\text{NDF}: 2560.7/32$

All: 216.596 ± 38.154 $\chi^2/\text{NDF}: 4249.6/62$

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: 205.791 +/- 0.048 χ^2/NDF : 894893.6/12

Left: 219.922 +/- 0.036 χ^2/NDF : 1866457.2/26

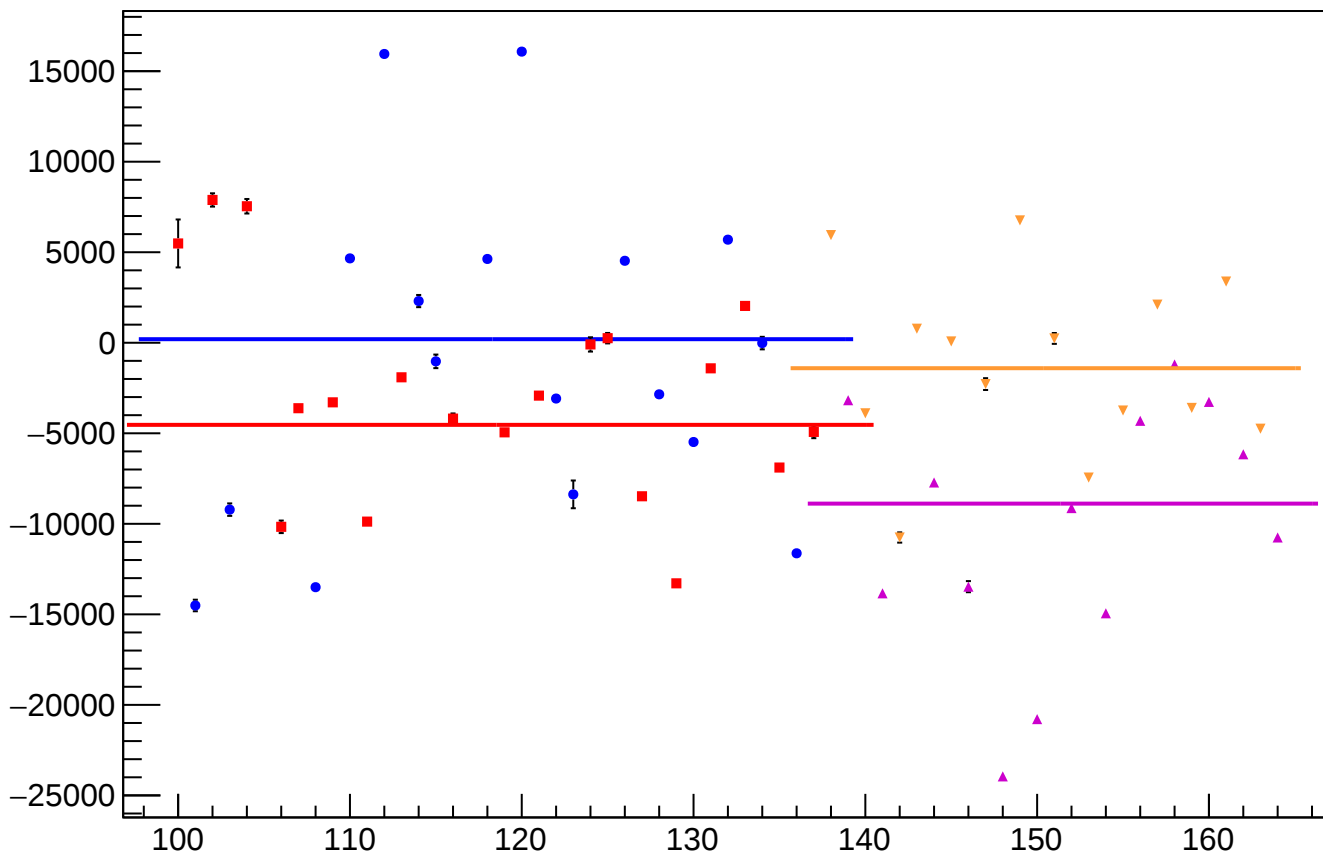
Right: 205.562 +/- 0.041 χ^2/NDF : 1908816.5/35

In: 210.085 +/- 0.038 χ^2/NDF : 1569492.7/29

Out: 217.661 +/- 0.039 χ^2/NDF : 2255416.1/32

All: 213.783 +/- 0.027 χ^2/NDF : 3844614.1/62

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: -8884.817 $\pm$ 54.906 χ^2/NDF : 14070.4/12

Left: -5047.105 $\pm$ 38.312 χ^2/NDF : 31164.1/26

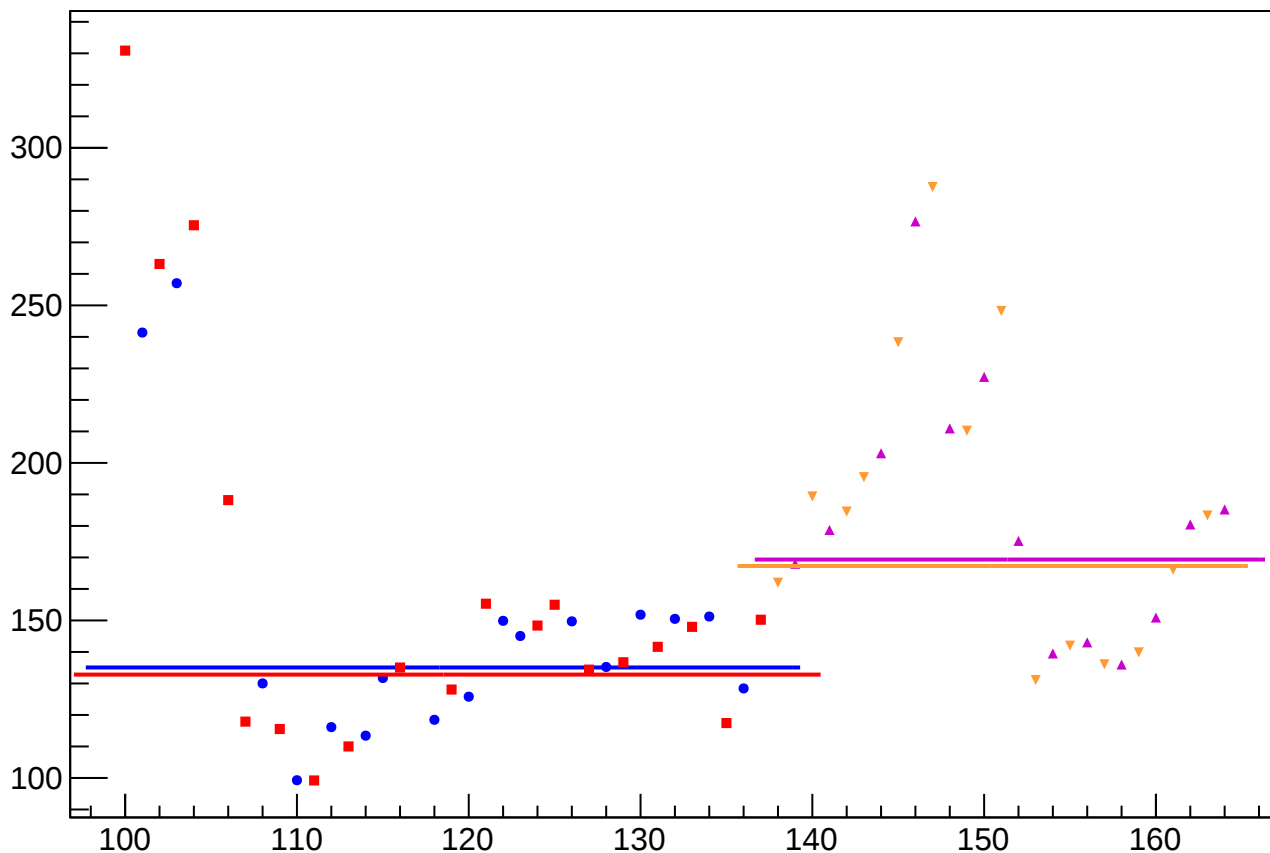
Right: -2271.626 $\pm$ 37.895 χ^2/NDF : 42025.0/35

In: -4334.974 $\pm$ 38.786 χ^2/NDF : 58435.1/29

Out: -3000.071 $\pm$ 37.453 χ^2/NDF : 16793.8/32

All: -3644.174 $\pm$ 26.942 χ^2/NDF : 75841.8/62

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: 169.328 $\pm$ 0.039 χ^2 /NDF:729200.0/12

Left: 168.277 $\pm$ 0.027 χ^2 /NDF: 1731375.8/26

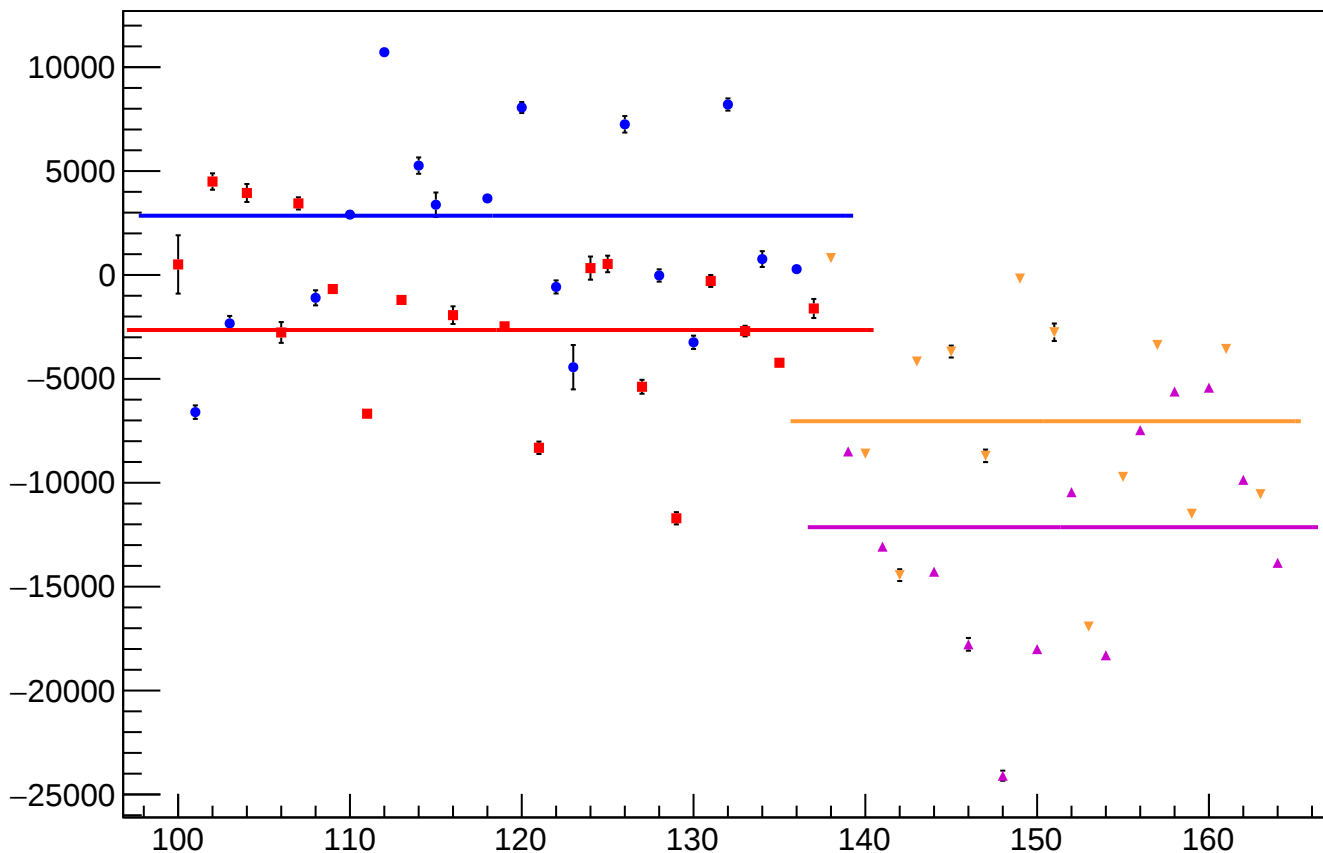
Right: 133.895 $\pm$ 0.027 χ^2 /NDF: 1491663.0/35

In: 152.166 $\pm$ 0.027 χ^2 /NDF:1777927.8/29

Out: 149.715 $\pm$ 0.026 χ^2 /NDF:2255160.0/32

All: 150.898 $\pm$ 0.019 χ^2 /NDF: 4037221.3/62

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 $\pm$ 70.753 χ^2/NDF : 4178.1/16

Left Out: -7038.282 $\pm$ 61.599 χ^2/NDF : 7653.4/13

Right Out: -2649.142 $\pm$ 65.731 χ^2/NDF : 3175.7/18

Left In: -12137.628 $\pm$ 55.000 χ^2/NDF : 9418.8/12

Left: -9875.631 $\pm$ 41.026 χ^2/NDF : 20885.4/26

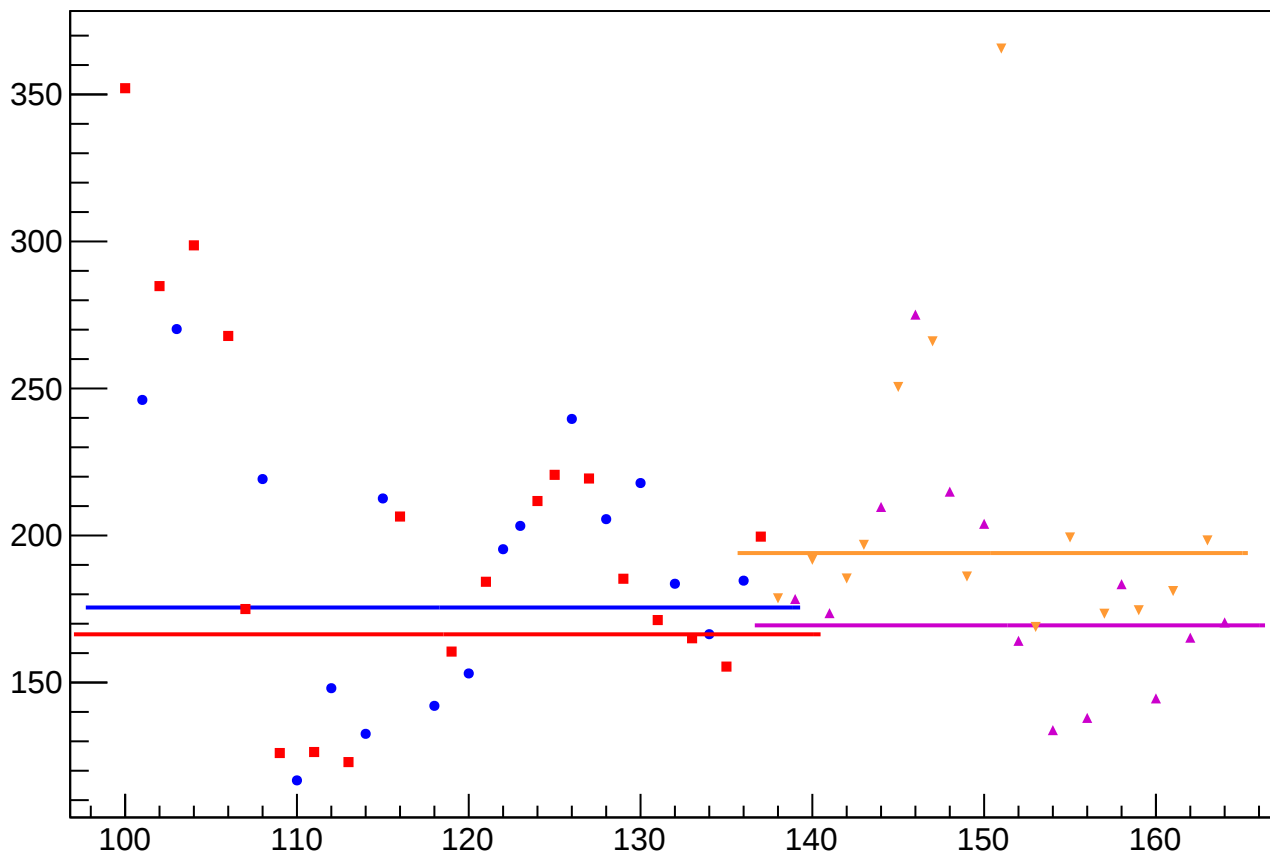
Right: -100.998 $\pm$ 48.156 χ^2/NDF : 10597.9/35

In: -6491.787 $\pm$ 43.423 χ^2/NDF : 41572.4/29

Out: -4985.990 $\pm$ 44.947 χ^2/NDF : 13203.1/32

All: -5764.839 $\pm$ 31.230 χ^2/NDF : 55356.0/62

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: 169.441+/-0.039 χ^2/NDF : 675401.2/12

Left: 180.347+/-0.029 χ^2/NDF : 1472988.6/26

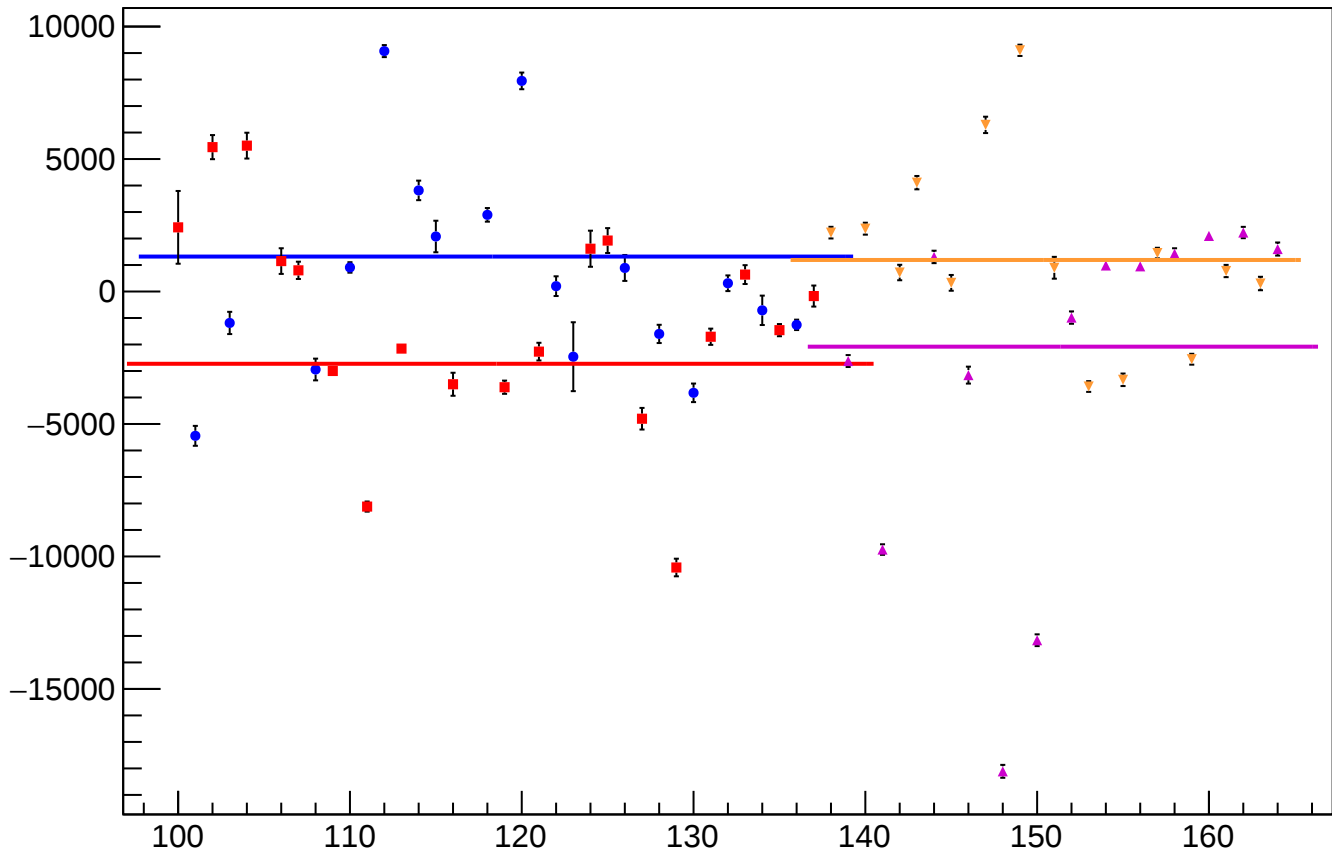
Right: 170.618+/-0.034 χ^2/NDF : 1637018.2/35

In: 171.728+/-0.031 χ^2/NDF : 1374230.4/29

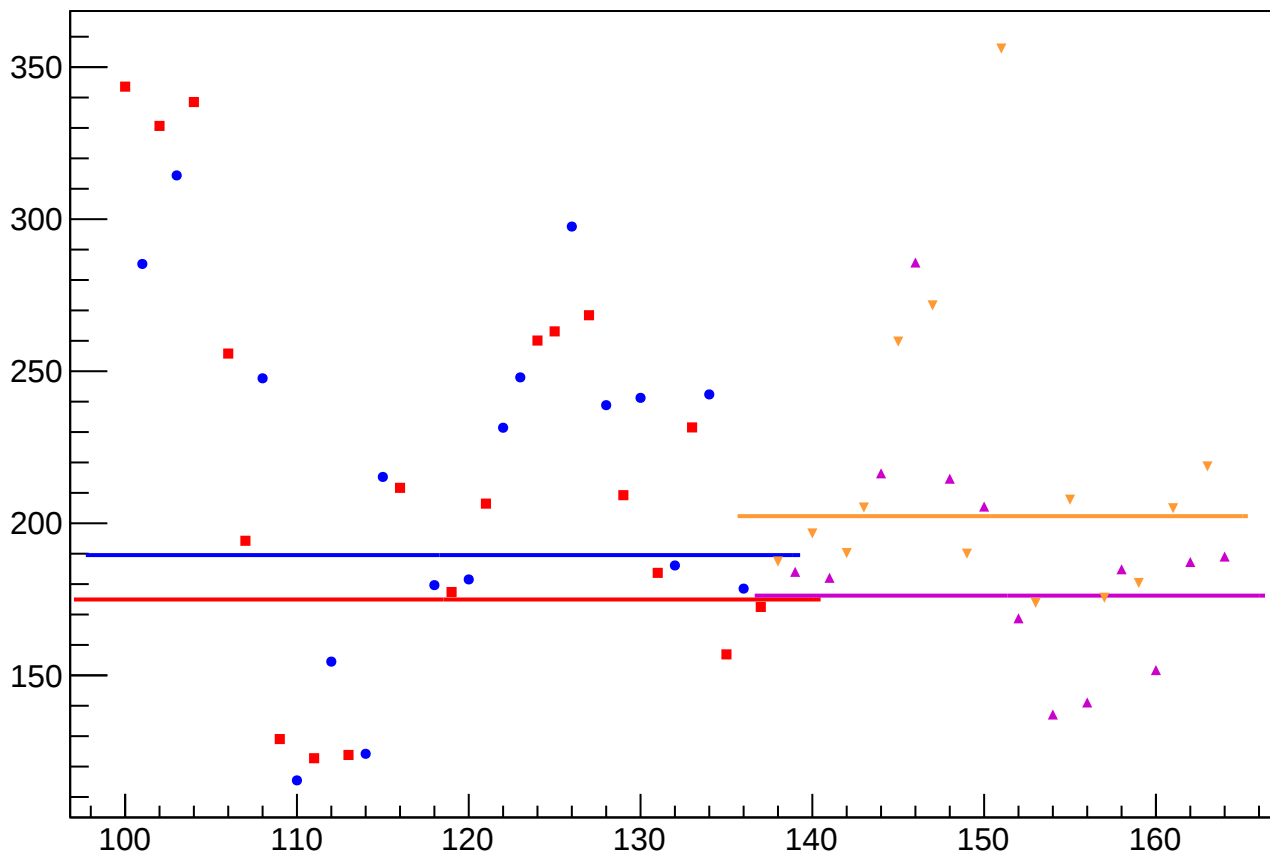
Out: 181.106+/-0.032 χ^2/NDF : 1738042.6/32

All: 176.255+/-0.022 χ^2/NDF : 3157302.8/62

asym_bpm0i05WS_mean vs Slug, Sign Corrected



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: 176.214 +/- 0.040 χ^2/NDF : 665805.7/12

Left: 187.782 +/- 0.030 χ^2/NDF : 1432793.5/26

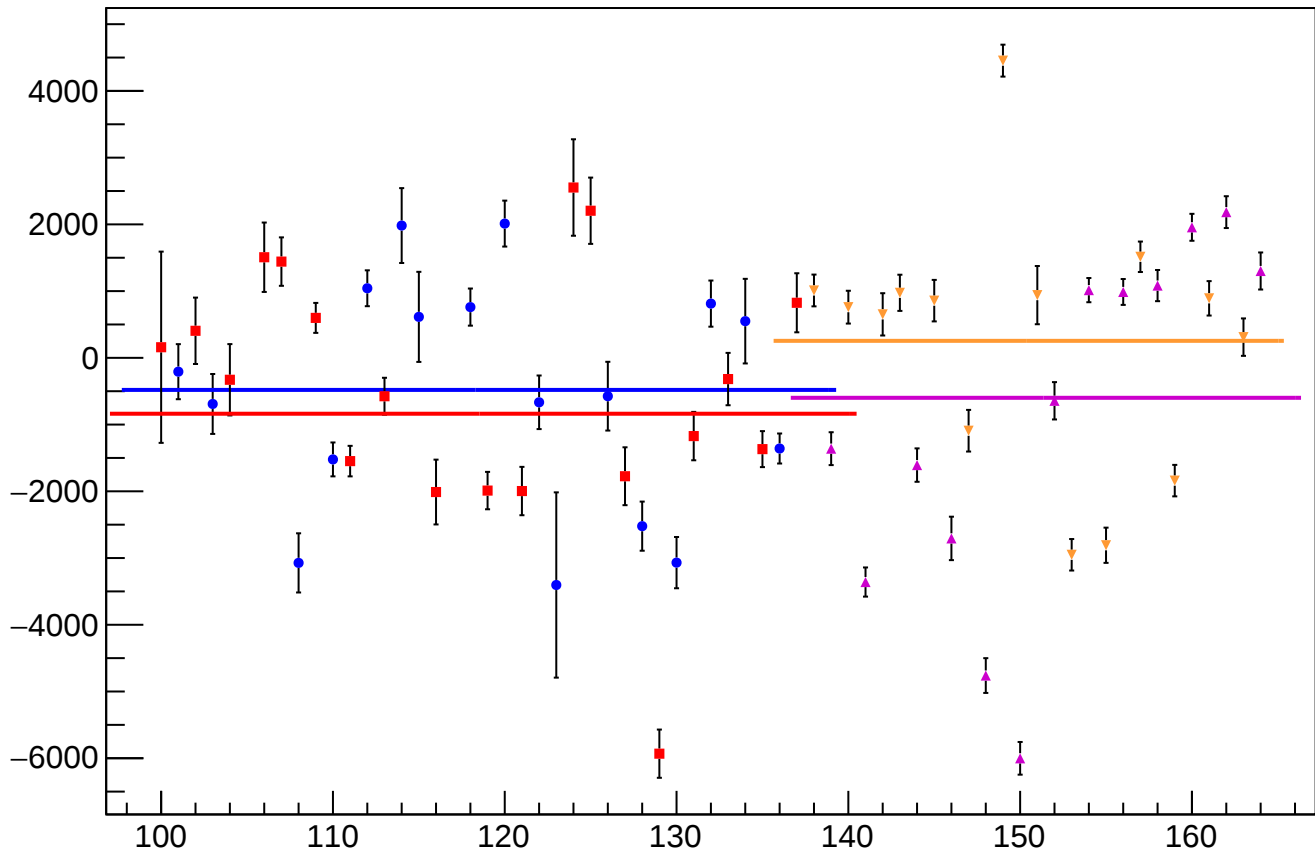
Right: 181.540 +/- 0.037 χ^2/NDF : 2317127.7/35

In: 180.945 +/- 0.032 χ^2/NDF : 1685074.5/29

Out: 189.832 +/- 0.033 χ^2/NDF : 2045820.3/32

All: 185.258 +/- 0.023 χ^2/NDF : 3767190.1/62

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: -598.803±/64.899 χ^2/NDF :1510.1/12

Left: -210.304±/47.905 χ^2/NDF : 2379.2/26

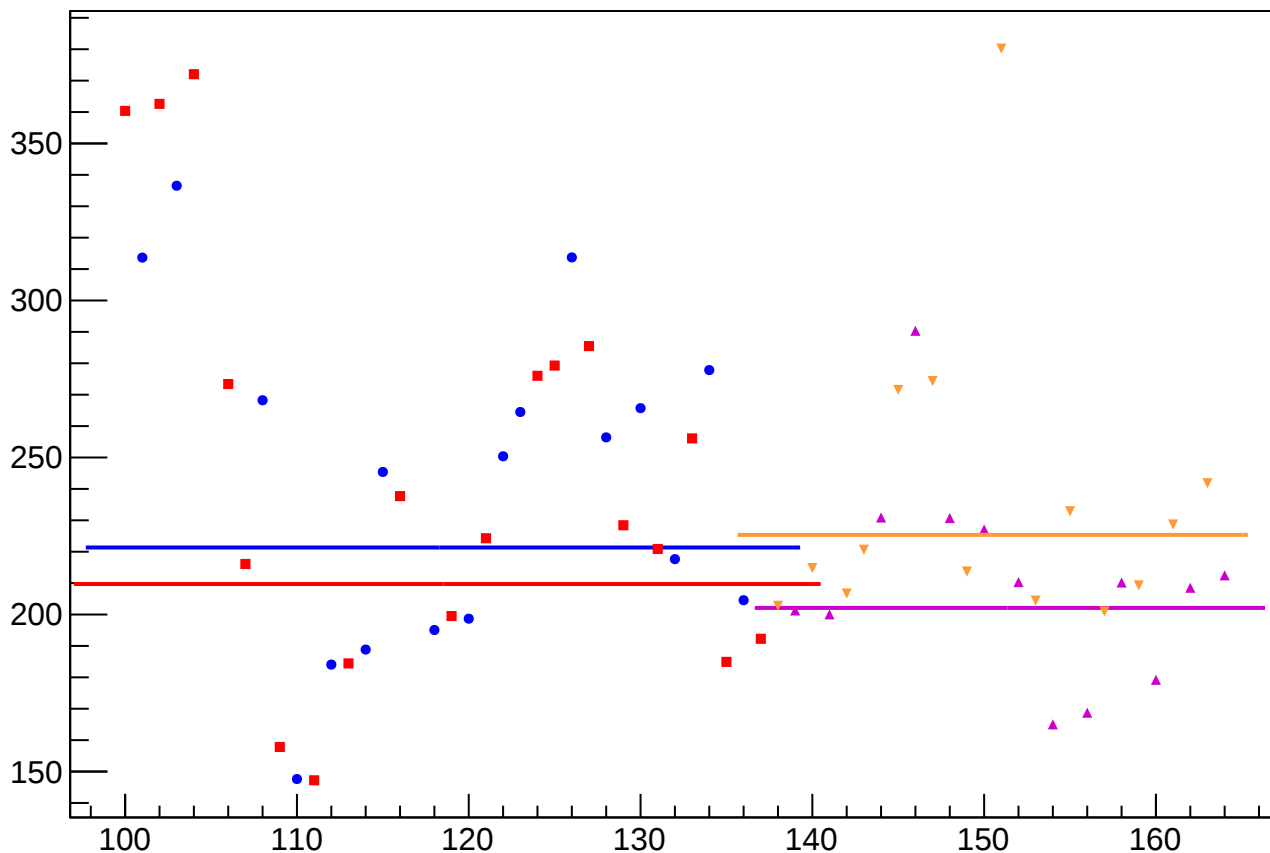
Right: -672.351±/60.290 χ^2/NDF : 734.7/35

In: -557.545±/52.364 χ^2/NDF :1802.0/29

Out: -211.686±/53.748 χ^2/NDF :1326.7/32

All: -389.124±/37.507 χ^2/NDF : 3149.9/62

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342+/-0.063 χ^2/NDF : 645688.1/16

Left Out: 225.364+/-0.050 χ^2/NDF : 435866.7/13

Right Out: 209.717+/-0.058 χ^2/NDF : 883917.7/18

Left In: 202.105+/-0.046 χ^2/NDF : 395549.0/12

Left: 212.691+/-0.034 χ^2/NDF : 948340.4/26

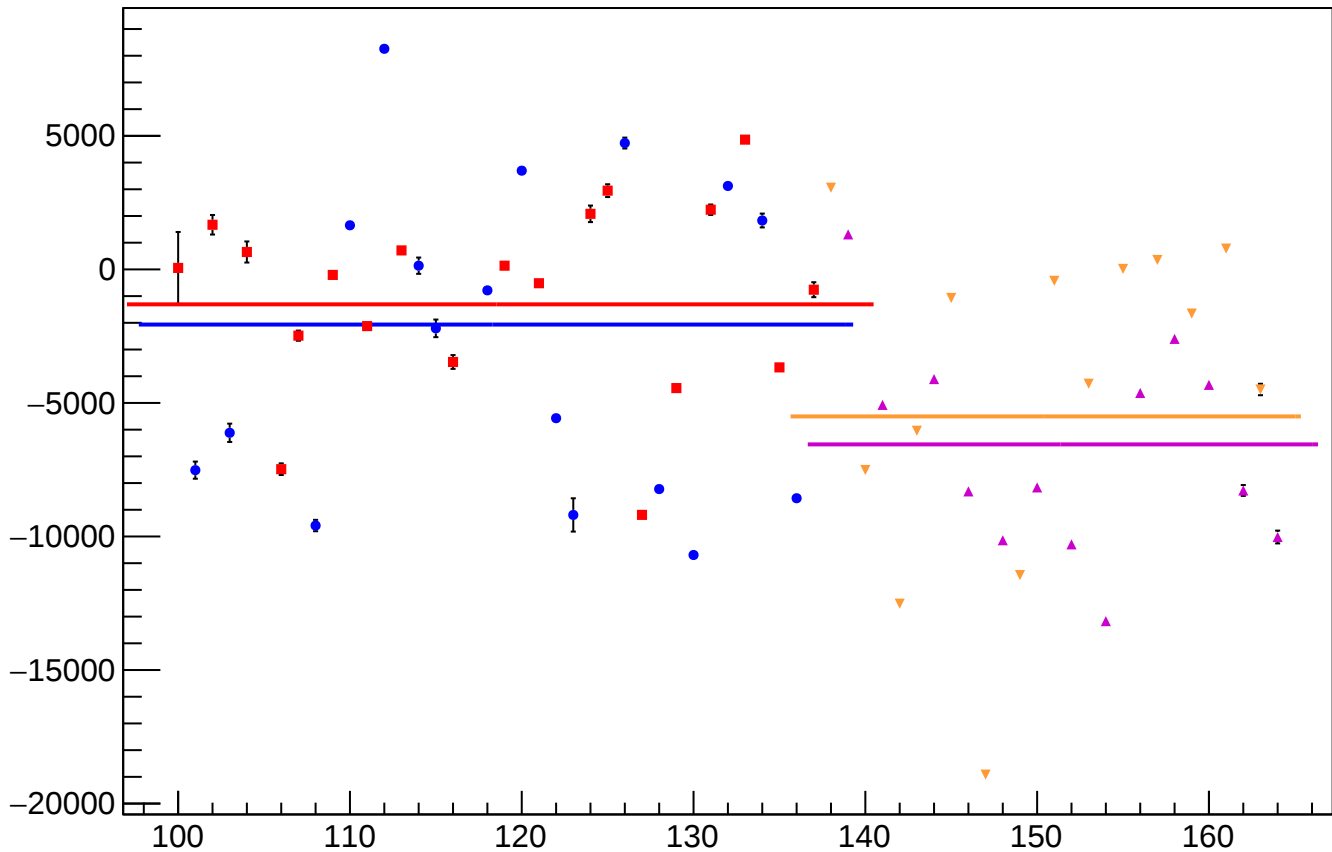
Right: 215.095+/-0.043 χ^2/NDF : 1548093.3/35

In: 208.818+/-0.037 χ^2/NDF : 1102565.1/29

Out: 218.681+/-0.038 χ^2/NDF : 1361263.5/32

All: 213.621+/-0.027 χ^2/NDF : 2498382.8/62

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160+/-47.322 χ^2/NDF : 16533.3/16

Left Out: -5504.459+/-38.476 χ^2/NDF : 28162.0/13

Right Out: -1308.512+/-45.001 χ^2/NDF : 5894.4/18

Left In: -6551.895+/-39.417 χ^2/NDF : 8962.2/12

Left: -6015.524+/-27.534 χ^2/NDF : 37485.8/26

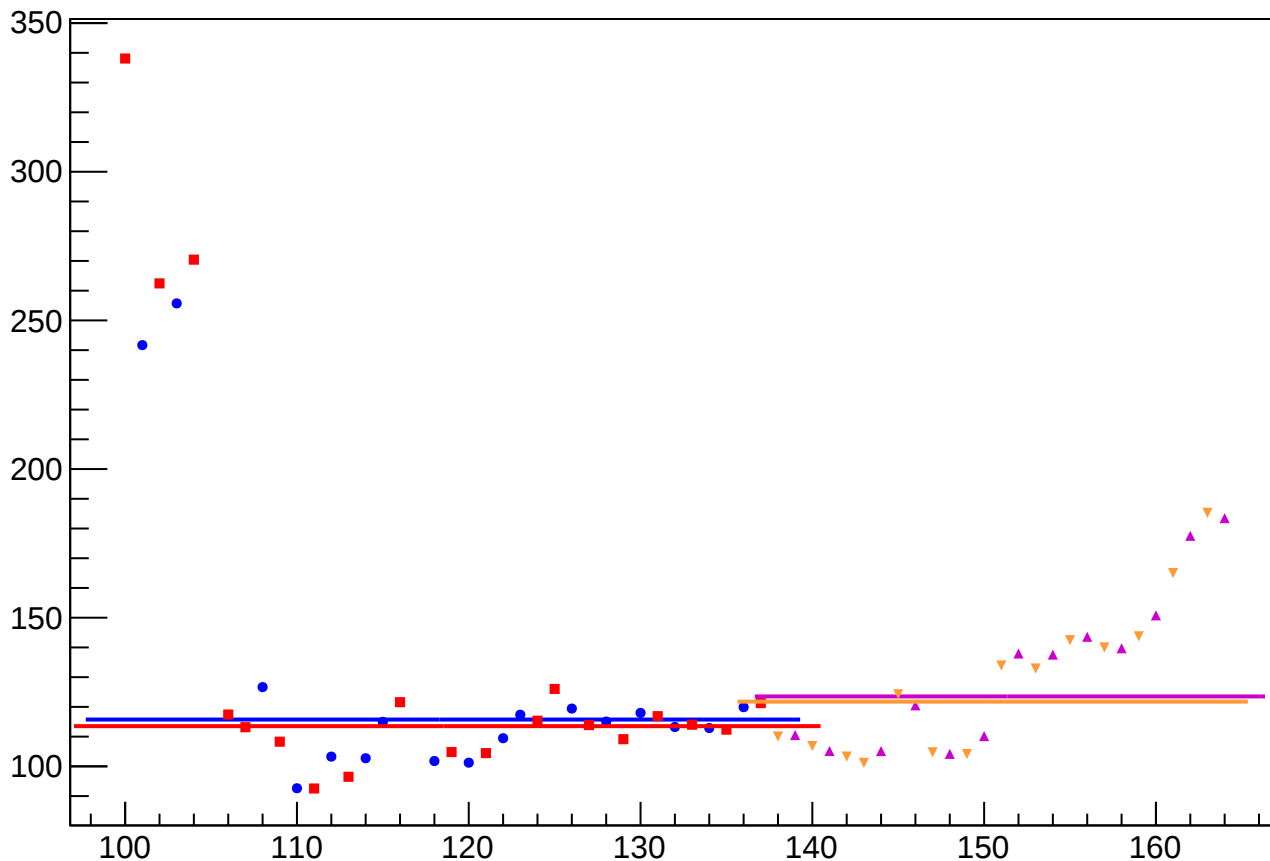
Right: -1667.825+/-32.610 χ^2/NDF : 22561.9/35

In: -4714.040+/-30.287 χ^2/NDF : 30802.7/29

Out: -3732.455+/-29.244 χ^2/NDF : 39078.7/32

All: -4206.060+/-21.038 χ^2/NDF : 70425.0/62

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 $\chi^2/\text{NDF}: 744017.7/16$

Left Out: 121.768 ± 0.027 $\chi^2/\text{NDF}: 617493.4/13$

Right Out: 113.519 ± 0.032 $\chi^2/\text{NDF}: 796640.6/18$

Left In: 123.514 ± 0.028 $\chi^2/\text{NDF}: 604912.3/12$

Left: 122.620 ± 0.019 $\chi^2/\text{NDF}: 1224414.4/26$

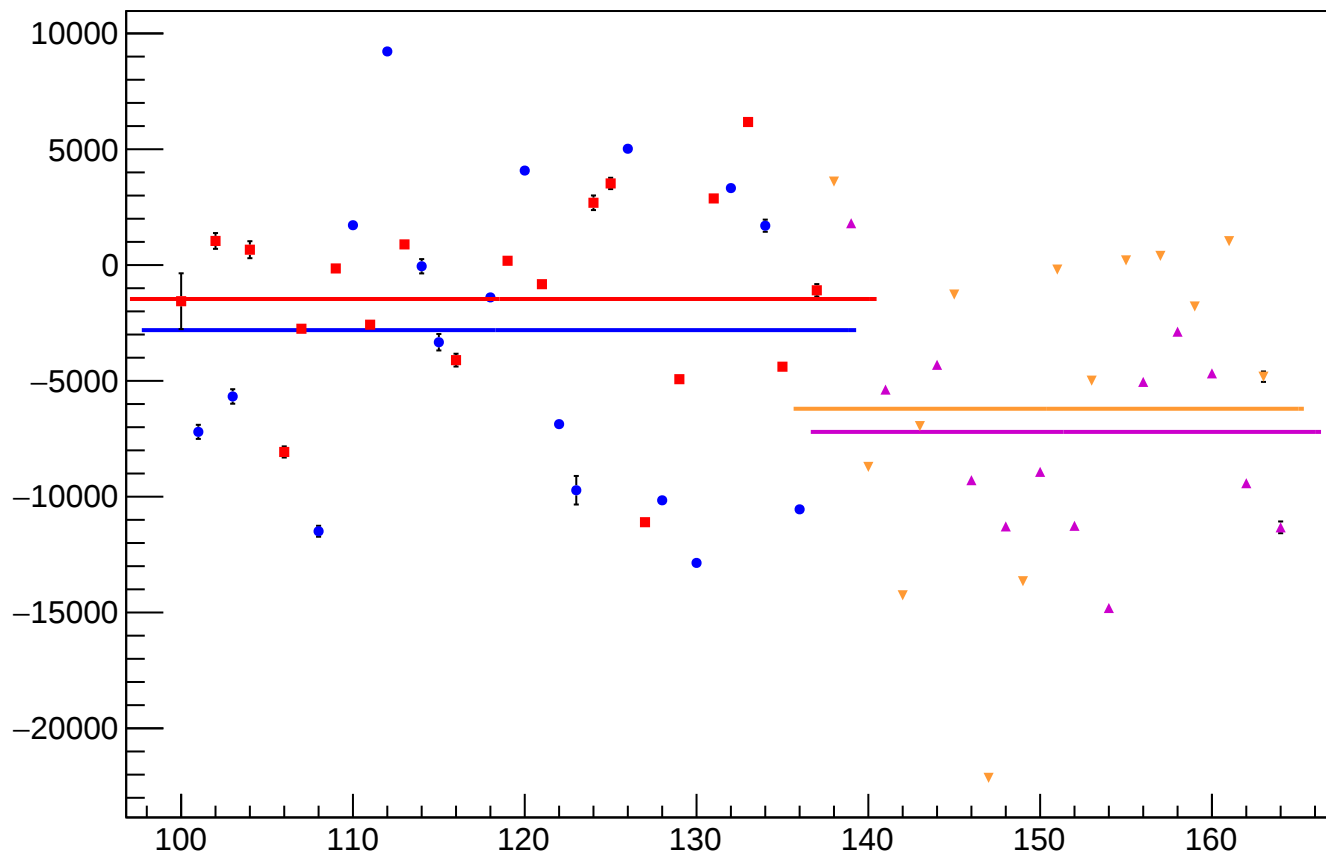
Right: 114.574 ± 0.023 $\chi^2/\text{NDF}: 1542972.7/35$

In: 120.330 ± 0.021 $\chi^2/\text{NDF}: 1380787.8/29$

Out: 118.284 ± 0.021 $\chi^2/\text{NDF}: 1452955.0/32$

All: 119.271 ± 0.015 $\chi^2/\text{NDF}: 2838462.7/62$

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: -7203.307+/-41.858 χ^2/NDF :10584.9/12

Left: -6691.726+/-29.241 χ^2/NDF : 44879.4/26

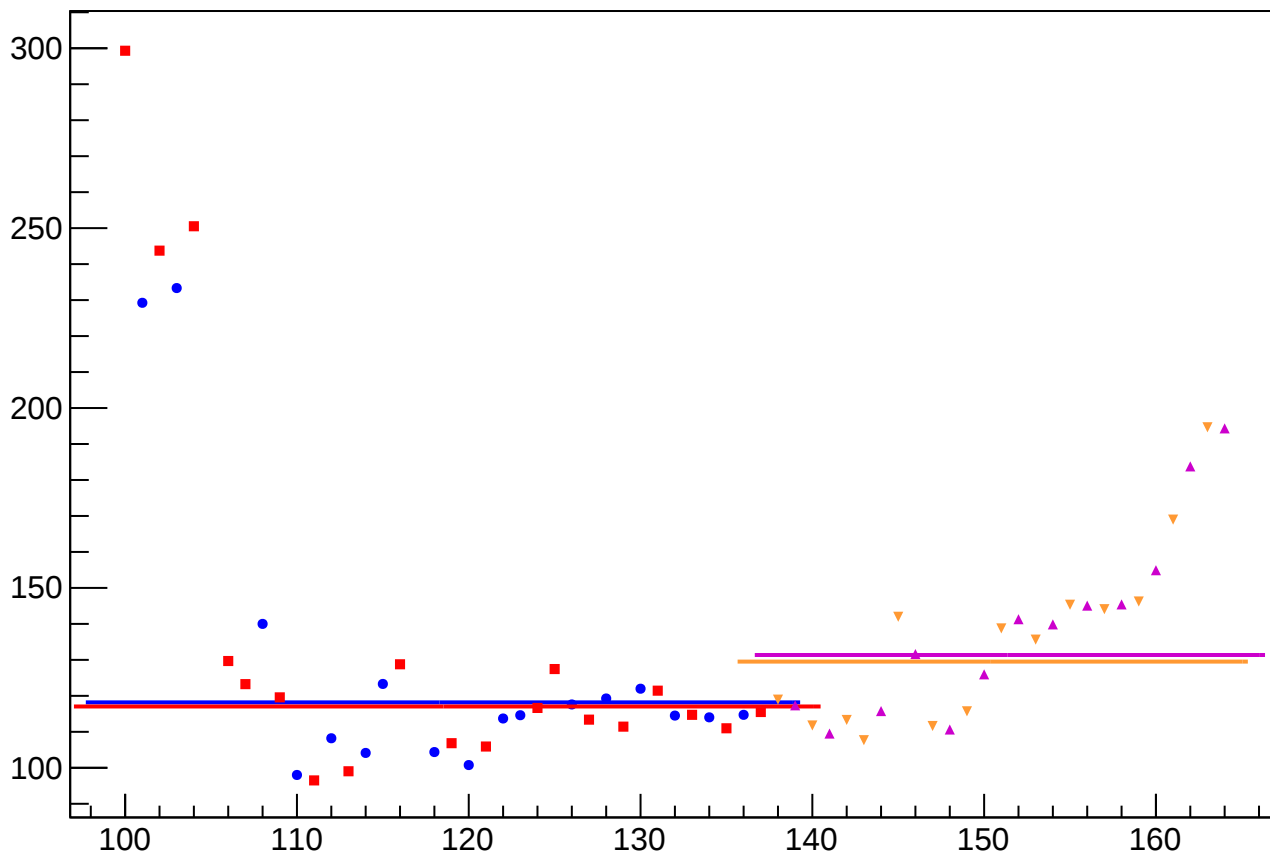
Right: -2110.267+/-33.454 χ^2/NDF : 29670.7/35

In: -5317.873+/-31.628 χ^2/NDF :36576.6/29

Out: -4133.636+/-30.666 χ^2/NDF :47882.8/32

All: -4707.467+/-22.016 χ^2/NDF : 85182.0/62

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 129.519+/-0.029 χ^2/NDF : 510448.8/13

Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

Left In: 131.356+/-0.030 χ^2/NDF : 498670.7/12

Left: 130.415+/-0.021 χ^2/NDF : 1011090.7/26

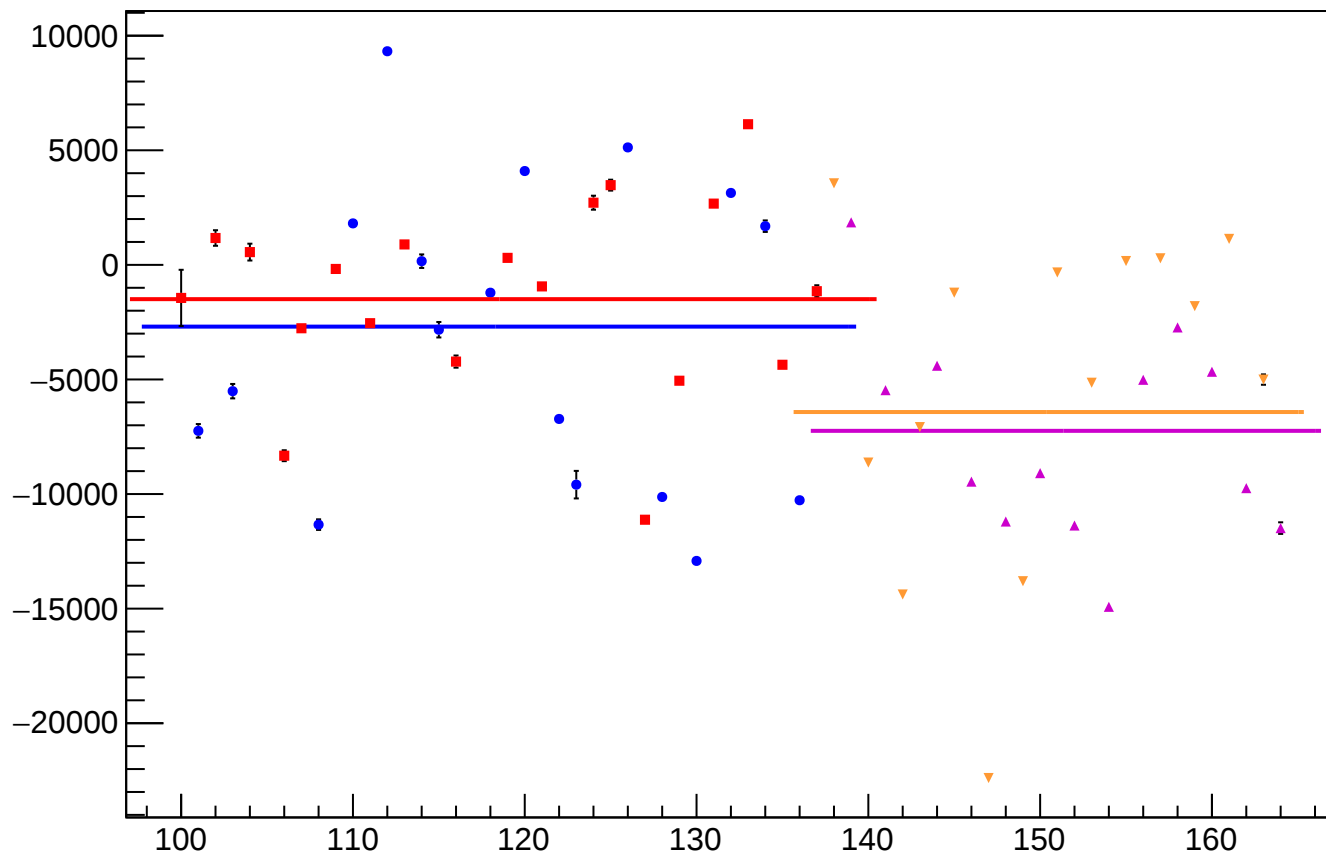
Right: 117.594+/-0.024 χ^2/NDF : 1327469.8/35

In: 125.706+/-0.022 χ^2/NDF : 1219841.4/29

Out: 124.069+/-0.022 χ^2/NDF : 1282493.2/32

All: 124.862+/-0.016 χ^2/NDF : 2505094.2/62

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: -7242.097+/-40.754 χ^2/NDF : 11412.1/12

Left: -6822.315+/-28.494 χ^2/NDF : 48785.3/26

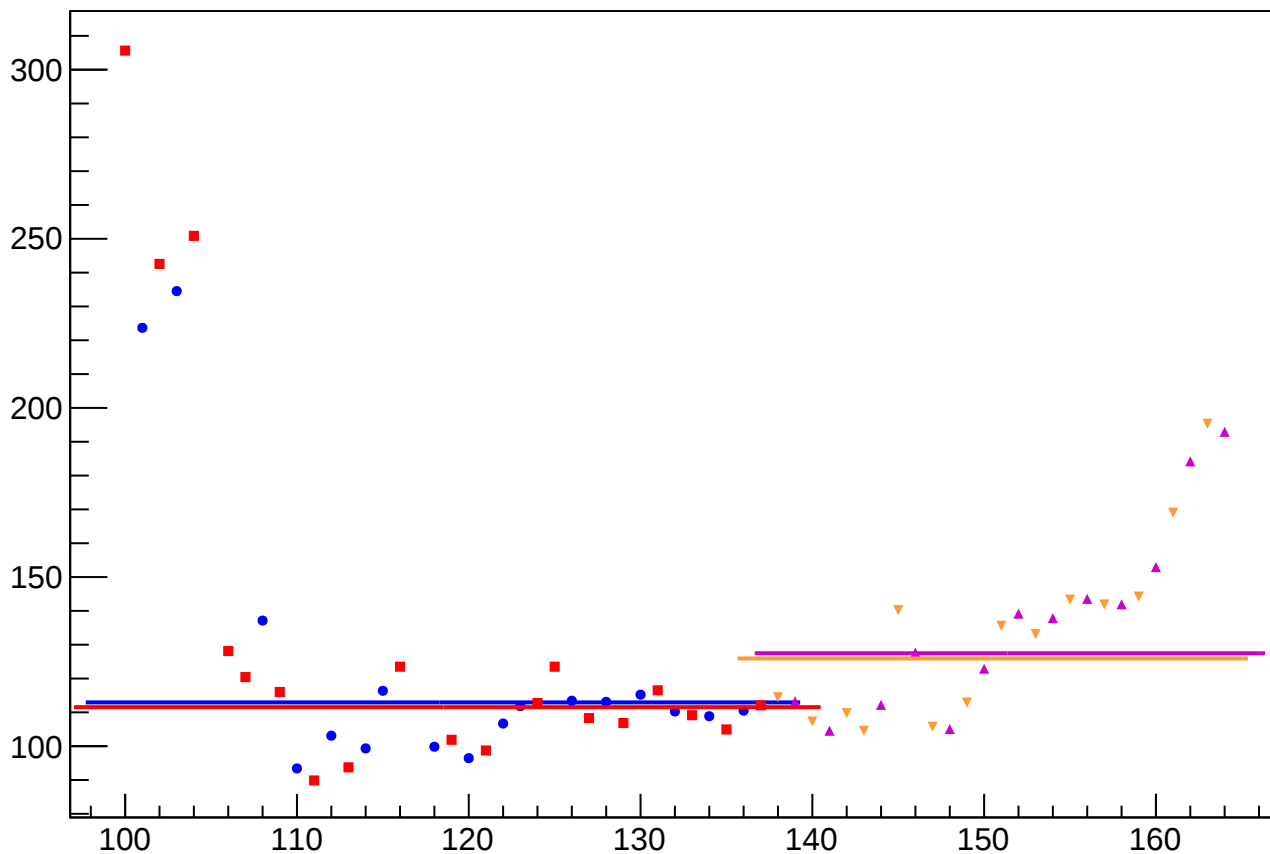
Right: -2069.900+/-32.079 χ^2/NDF : 31925.8/35

In: -5259.006+/-30.605 χ^2/NDF : 39702.5/29

Out: -4225.645+/-29.672 χ^2/NDF : 52689.3/32

All: -4726.339+/-21.304 χ^2/NDF : 92979.4/62

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.940 ± 0.033 χ^2/NDF : 680283.1/16

Left Out: 125.928 ± 0.028 χ^2/NDF : 594088.0/13

Right Out: 111.544 ± 0.031 χ^2/NDF : 765502.6/18

Left In: 127.472 ± 0.029 χ^2/NDF : 583174.4/12

Left: 126.683 ± 0.020 χ^2/NDF : 1178729.4/26

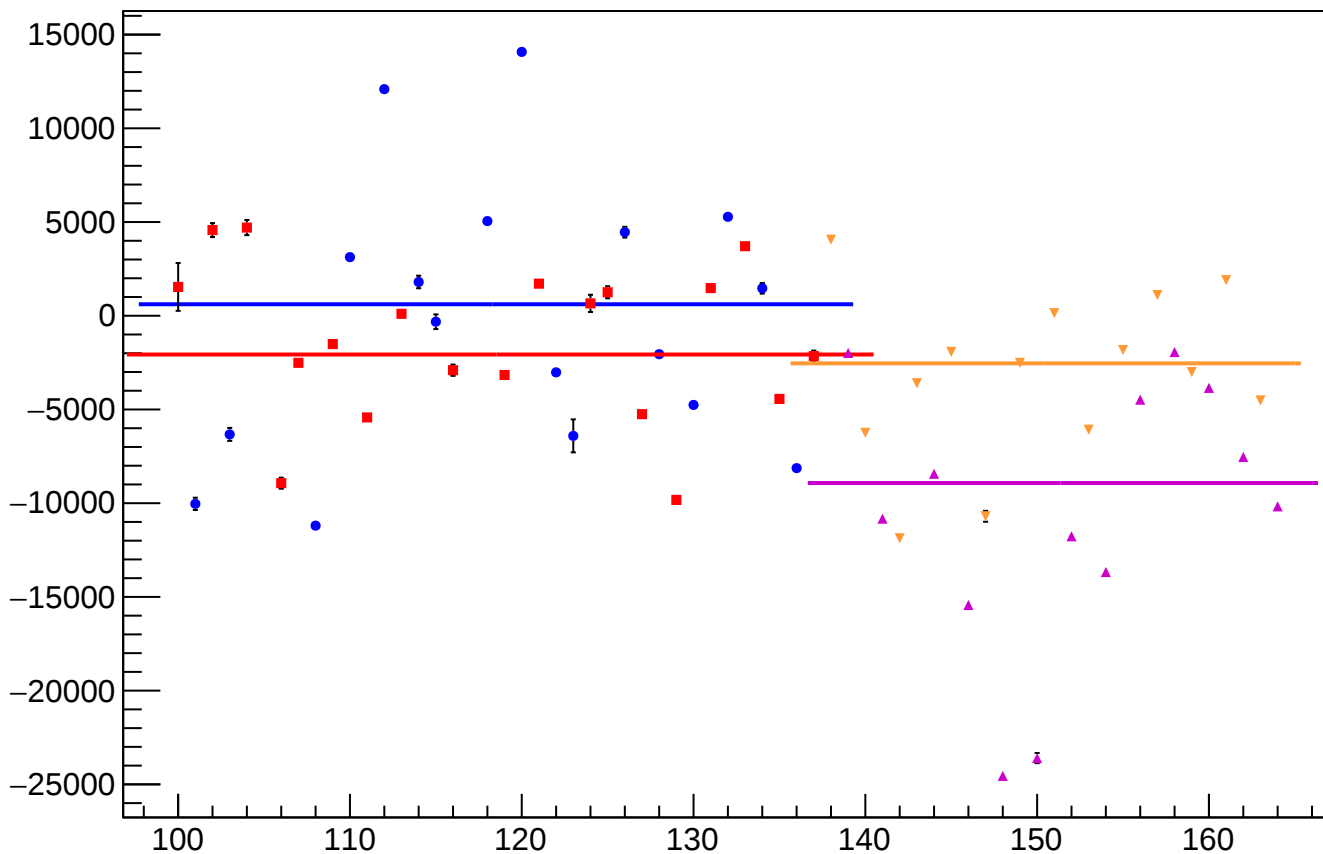
Right: 112.213 ± 0.023 χ^2/NDF : 1446732.2/35

In: 121.136 ± 0.022 χ^2/NDF : 1374336.9/29

Out: 119.517 ± 0.021 χ^2/NDF : 1475713.9/32

All: 120.301 ± 0.015 χ^2/NDF : 2852935.1/62

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 612.621+/-56.062 χ^2/NDF : 18243.4/16

Left Out: -2538.869+/-48.599 χ^2/NDF : 6736.2/13

Right Out: -2067.410+/-53.931 χ^2/NDF : 4642.7/18

Left In: -8923.326+/-50.862 χ^2/NDF : 13933.2/12

Left: -5585.881+/-35.137 χ^2/NDF : 28906.0/26

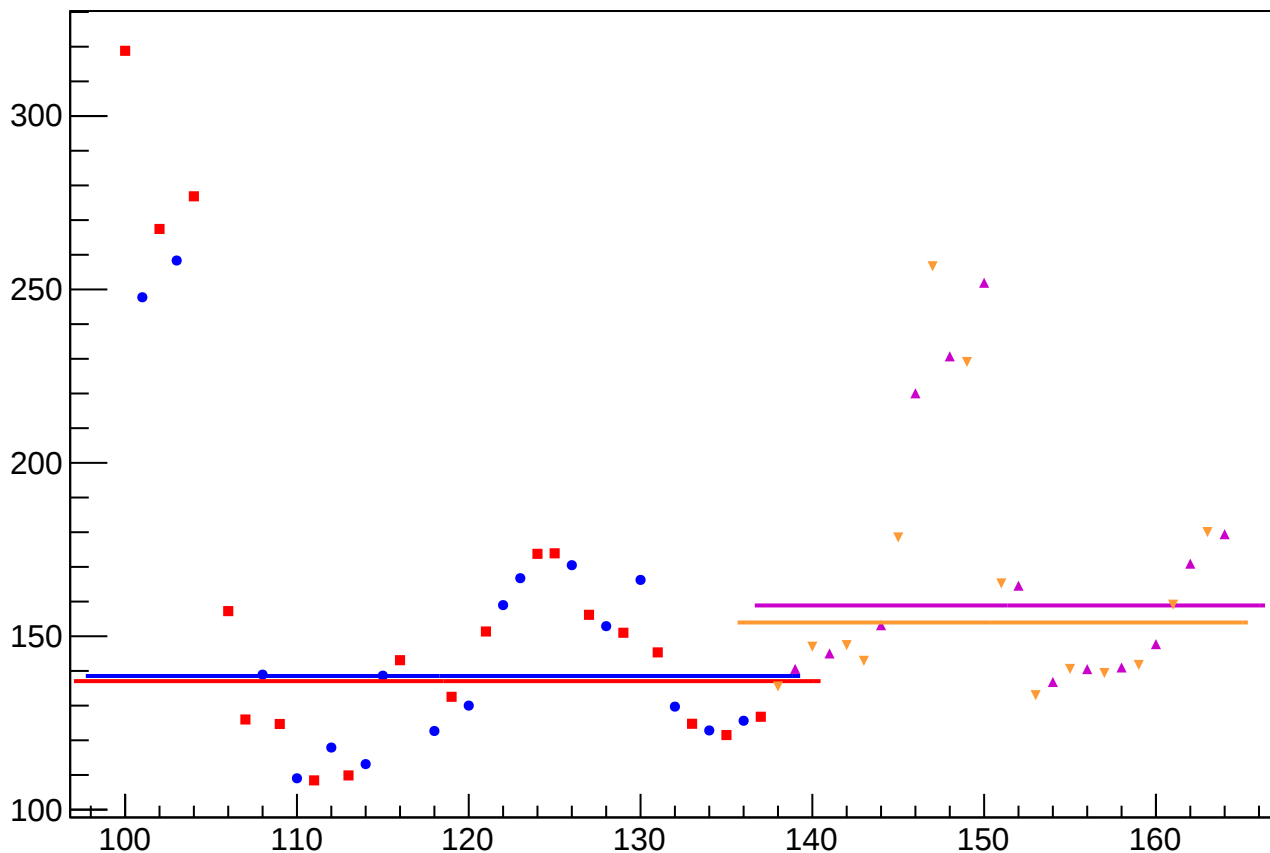
Right: -779.298+/-38.866 χ^2/NDF : 24073.0/35

In: -4617.977+/-37.669 χ^2/NDF : 48046.8/29

Out: -2327.592+/-36.103 χ^2/NDF : 11421.1/32

All: -3424.169+/-26.065 χ^2/NDF : 61394.8/62

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 138.542+/-0.040 χ^2/NDF : 668941.7/16

Left Out: 153.971+/-0.034 χ^2/NDF : 611606.4/13

Right Out: 137.061+/-0.038 χ^2/NDF : 755491.9/18

Left In: 158.882+/-0.036 χ^2/NDF : 679978.4/12

Left: 156.315+/-0.025 χ^2/NDF : 1301333.0/26

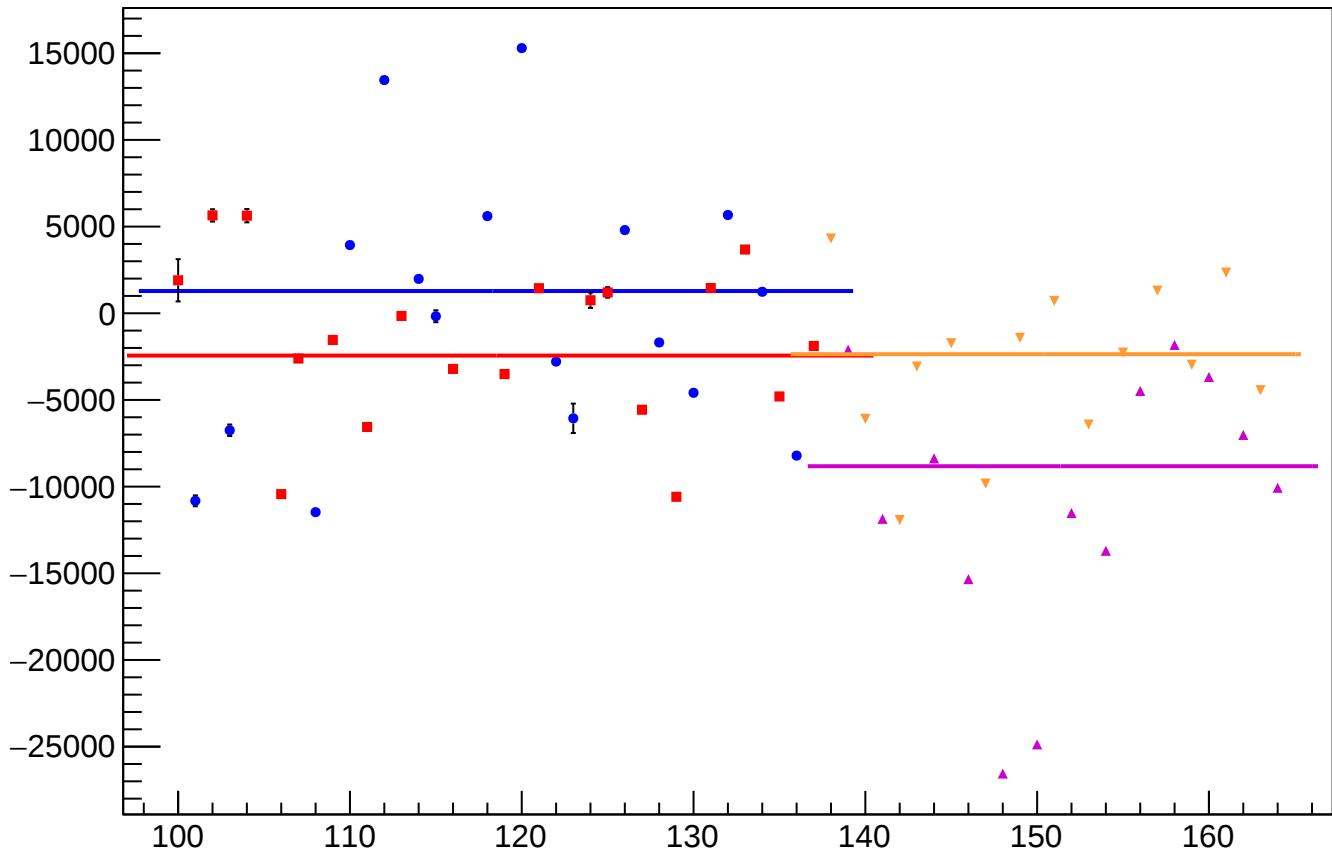
Right: 137.773+/-0.027 χ^2/NDF : 1425158.5/35

In: 149.699+/-0.027 χ^2/NDF : 1493331.9/29

Out: 146.393+/-0.026 χ^2/NDF : 1475610.8/32

All: 147.976+/-0.018 χ^2/NDF : 2976971.7/62

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: -8823.860+/-45.324 χ^2/NDF : 18670.6/12

Left: -5434.551+/-31.257 χ^2/NDF : 38379.8/26

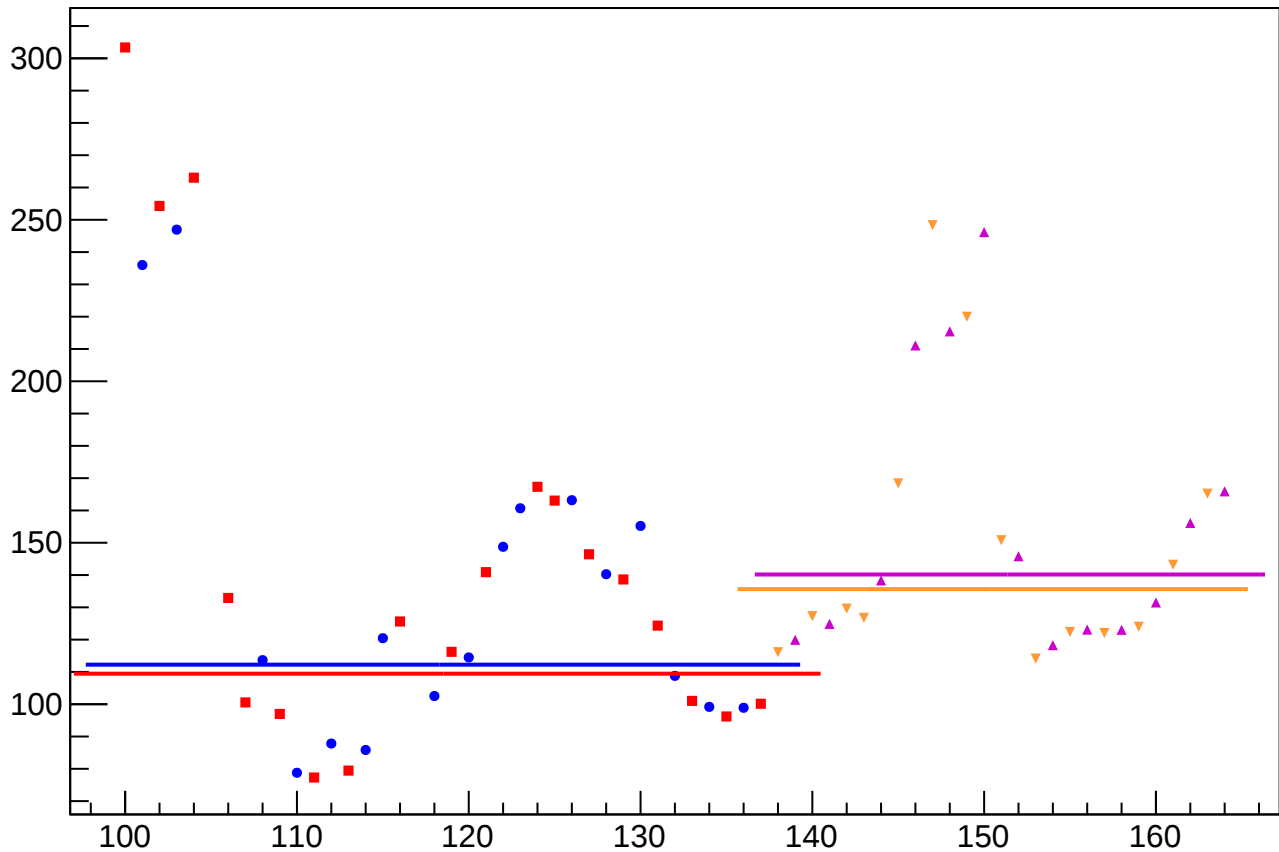
Right: -672.266+/-32.093 χ^2/NDF : 41574.7/35

In: -3907.734+/-32.481 χ^2/NDF : 73398.8/29

Out: -2399.389+/-30.911 χ^2/NDF : 16724.5/32

All: -3116.215+/-22.392 χ^2/NDF : 91255.0/62

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: 140.172+/-0.032 χ^2/NDF : 920934.5/12

Left: 137.797+/-0.022 χ^2/NDF : 1772989.0/26

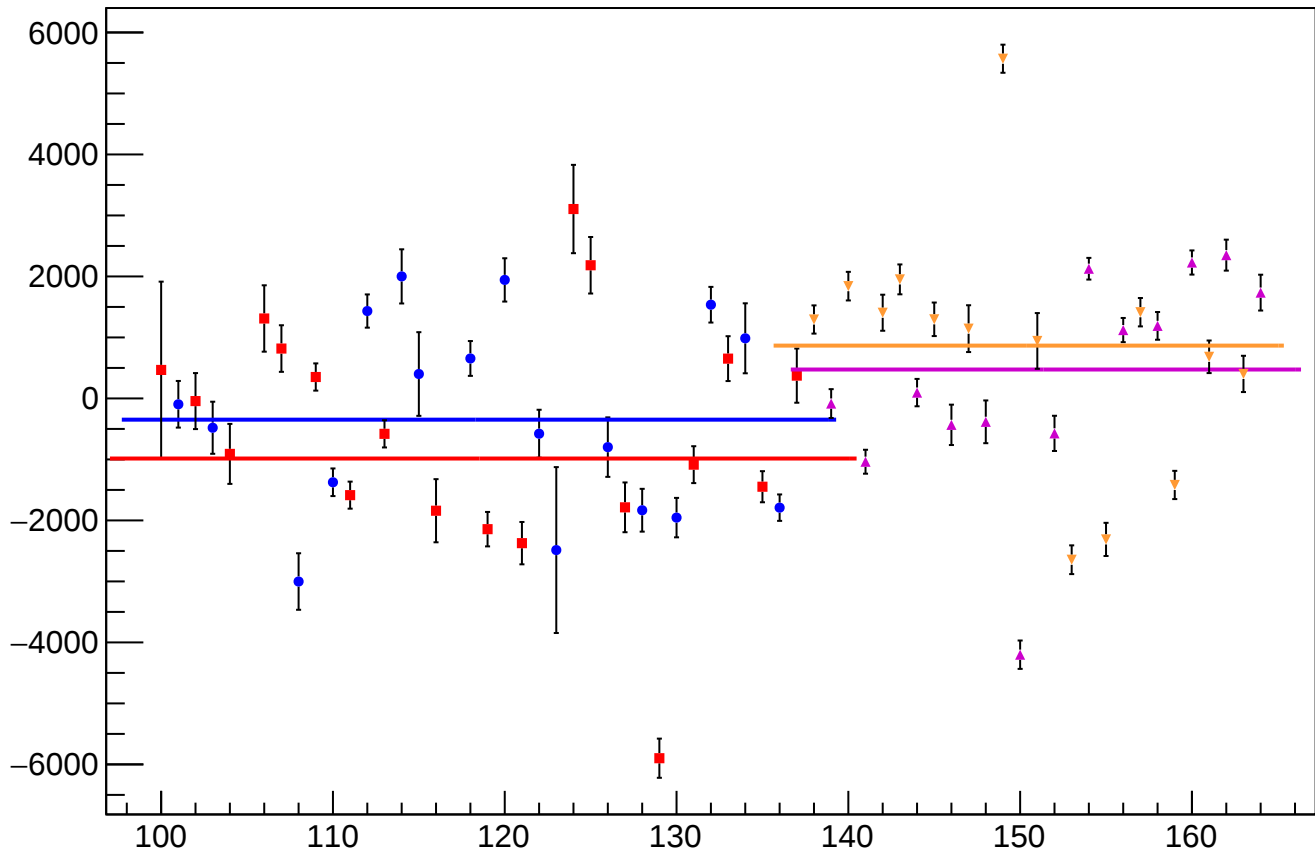
Right: 110.785+/-0.023 χ^2/NDF : 2398941.6/35

In: 126.591+/-0.023 χ^2/NDF : 2415678.0/29

Out: 122.888+/-0.022 χ^2/NDF : 2469733.3/32

All: 124.648+/-0.016 χ^2/NDF : 4899053.3/62

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -348.055+/-83.826 χ^2/NDF : 317.3/16

Left Out: 866.037+/-70.245 χ^2/NDF : 928.2/13

Right Out: -985.242+/-77.683 χ^2/NDF : 476.6/18

Left In: 473.994+/-64.487 χ^2/NDF : 756.7/12

Left: 653.294+/-47.505 χ^2/NDF : 1701.8/26

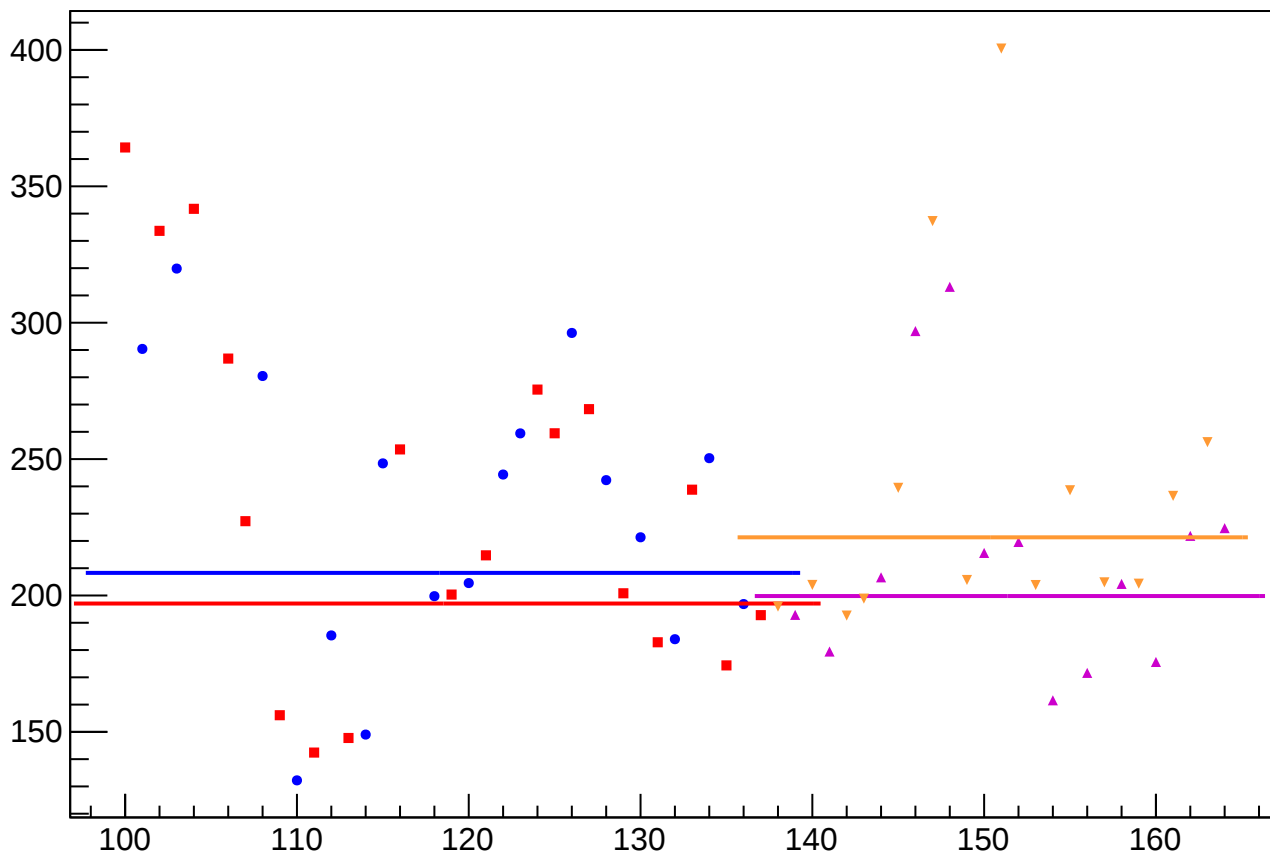
Right: -690.850+/-56.978 χ^2/NDF : 824.9/35

In: 168.366+/-51.113 χ^2/NDF : 1134.4/29

Out: 33.254+/-52.102 χ^2/NDF : 1717.2/32

All: 102.105+/-36.487 χ^2/NDF : 2855.1/62

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.288 $\pm$ 0.059 χ^2/NDF : 698491.0/16

Left Out: 221.323 $\pm$ 0.050 χ^2/NDF : 652704.3/13

Right Out: 197.051 $\pm$ 0.055 χ^2/NDF : 926786.6/18

Left In: 199.799 $\pm$ 0.046 χ^2/NDF : 617978.9/12

Left: 209.643 $\pm$ 0.034 χ^2/NDF : 1372591.0/26

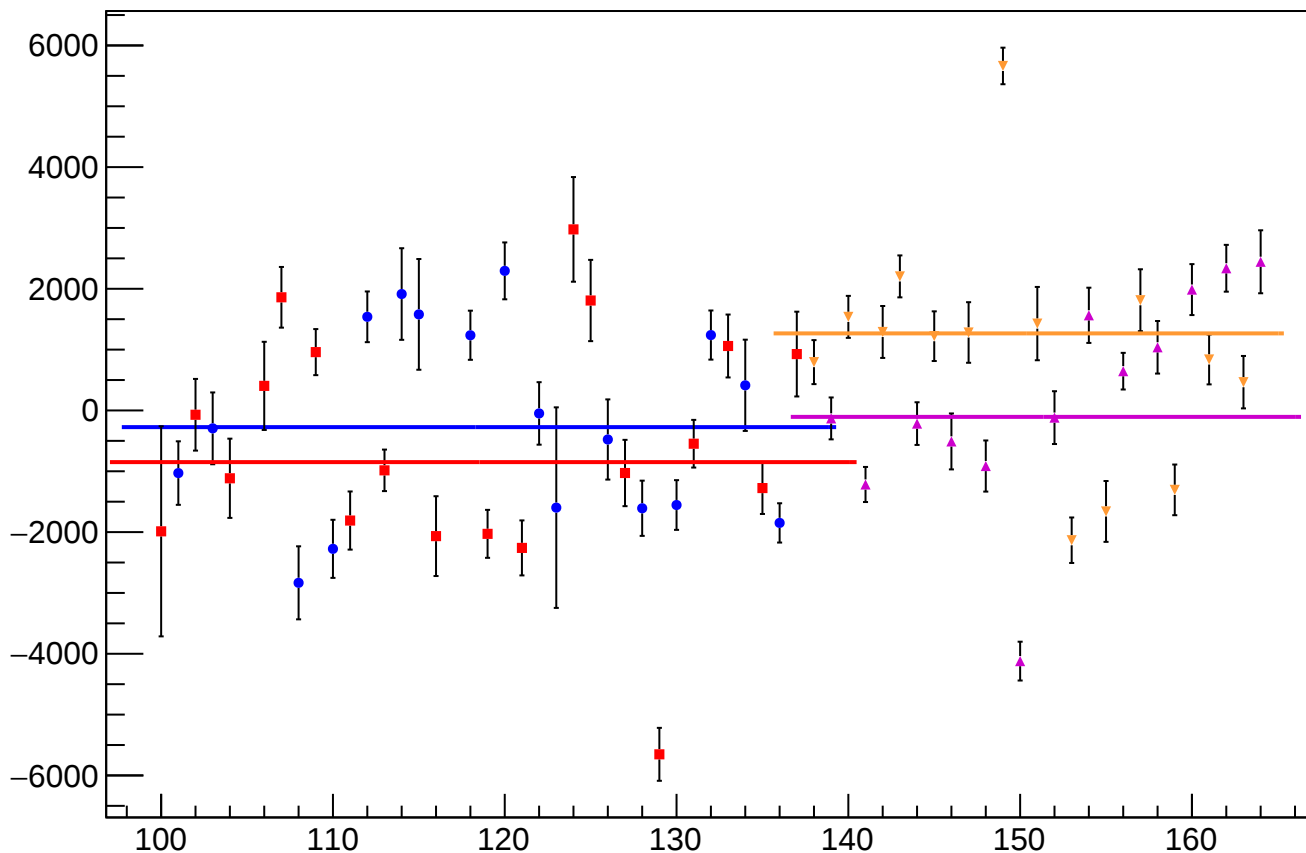
Right: 202.243 $\pm$ 0.040 χ^2/NDF : 1644610.3/35

In: 202.955 $\pm$ 0.036 χ^2/NDF : 1329354.7/29

Out: 210.405 $\pm$ 0.037 χ^2/NDF : 1686912.0/32

All: 206.608 $\pm$ 0.026 χ^2/NDF : 3037104.7/62

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -274.260 $\pm$ 121.326 χ^2 /NDF: 171.6/16

Left Out: 1266.548 $\pm$ 107.884 χ^2 /NDF:384.6/13

Right Out: -849.413 $\pm$ 115.349 χ^2 /NDF: 263.3/18

Left In: -105.696 $\pm$ 104.524 χ^2 /NDF:294.1/12

Left: 558.727 $\pm$ 75.070 χ^2 /NDF: 762.2/26

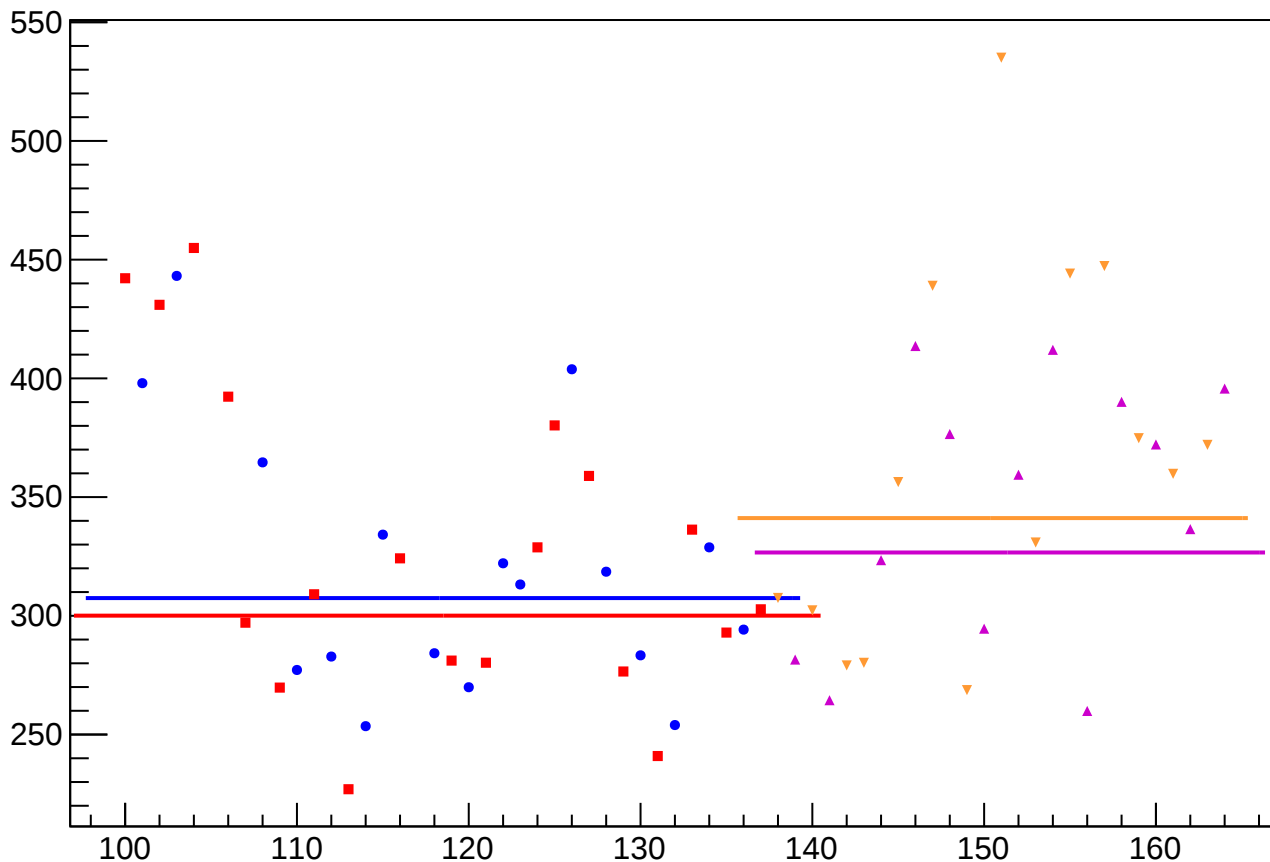
Right: -576.352 $\pm$ 83.597 χ^2 /NDF: 446.6/35

In: -177.507 $\pm$ 79.189 χ^2 /NDF:466.8/29

Out: 279.246 $\pm$ 78.792 χ^2 /NDF:827.4/32

All: 52.017 $\pm$ 55.854 χ^2 /NDF: 1310.9/62

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: 326.669+/-0.074 χ^2/NDF : 531457.6/12

Left: 333.684+/-0.053 χ^2/NDF : 1301558.8/26

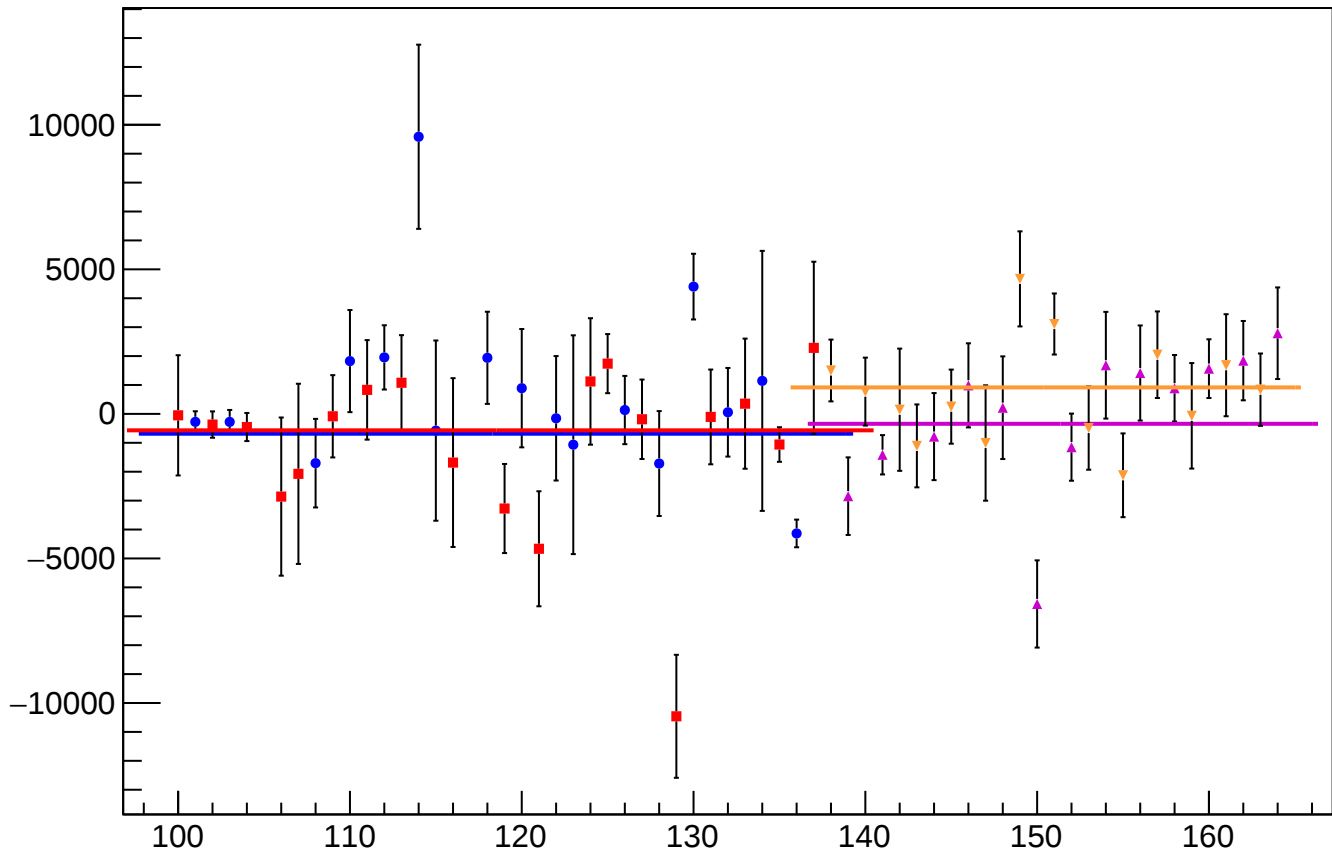
Right: 303.582+/-0.059 χ^2/NDF : 817401.9/35

In: 318.489+/-0.056 χ^2/NDF : 883307.9/29

Out: 321.985+/-0.056 χ^2/NDF : 1377251.3/32

All: 320.246+/-0.039 χ^2/NDF : 2262518.2/62

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: -343.017+/-344.144 χ^2/NDF :38.0/12

Left: 232.094+/-253.641 χ^2/NDF : 63.7/26

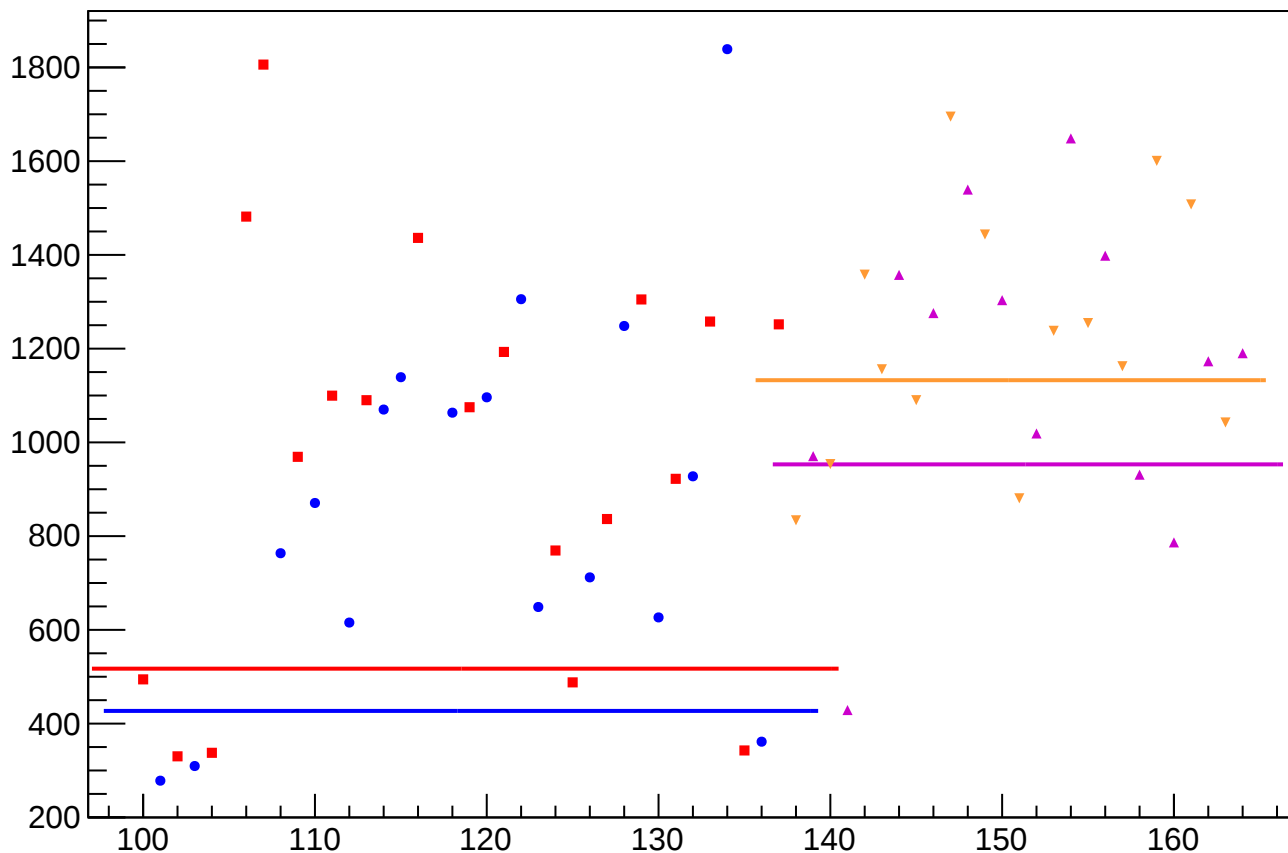
Right: -635.255+/-159.106 χ^2/NDF : 137.2/35

In: -592.032+/-179.473 χ^2/NDF :136.1/29

Out: -129.429+/-204.121 χ^2/NDF :70.3/32

All: -390.334+/-134.783 χ^2/NDF : 209.3/62

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 427.079 $\pm$ 0.149 χ^2 /NDF: 2865678.7/16

Left Out: 1132.668 $\pm$ 0.265 χ^2 /NDF: 830492.9/13

Right Out: 517.234 $\pm$ 0.172 χ^2 /NDF: 3605111.9/18

Left In: 953.092 $\pm$ 0.243 χ^2 /NDF: 2342742.2/12

Left: 1035.123 $\pm$ 0.179 χ^2 /NDF: 3421990.3/26

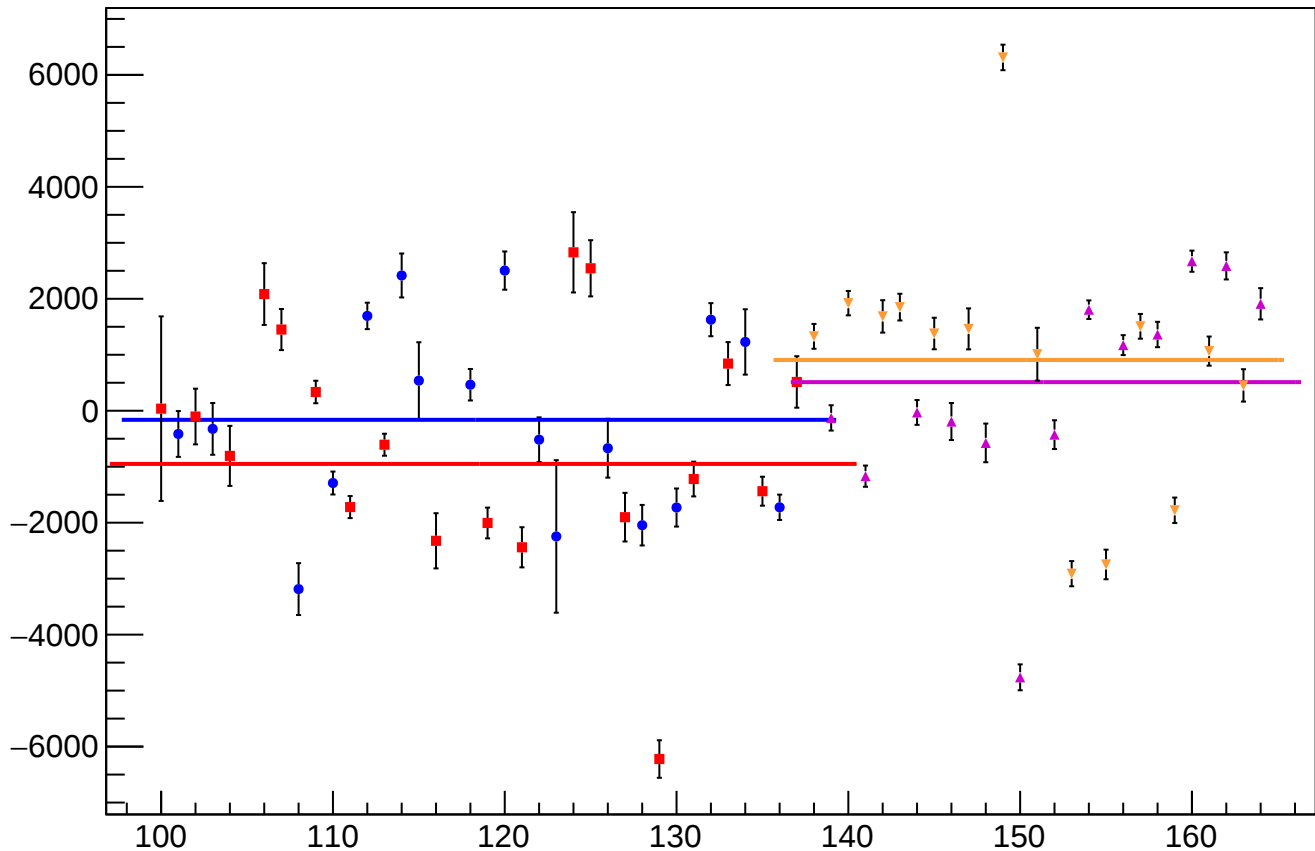
Right: 465.650 $\pm$ 0.113 χ^2 /NDF: 6627982.5/35

In: 570.138 $\pm$ 0.127 χ^2 /NDF: 8610093.0/29

Out: 699.309 $\pm$ 0.144 χ^2 /NDF: 8223076.9/32

All: 626.457 $\pm$ 0.095 χ^2 /NDF: 17284877.8/62

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: 510.999+/-61.507 χ^2/NDF :958.0/12

Left: 688.817+/-45.663 χ^2/NDF : 2220.5/26

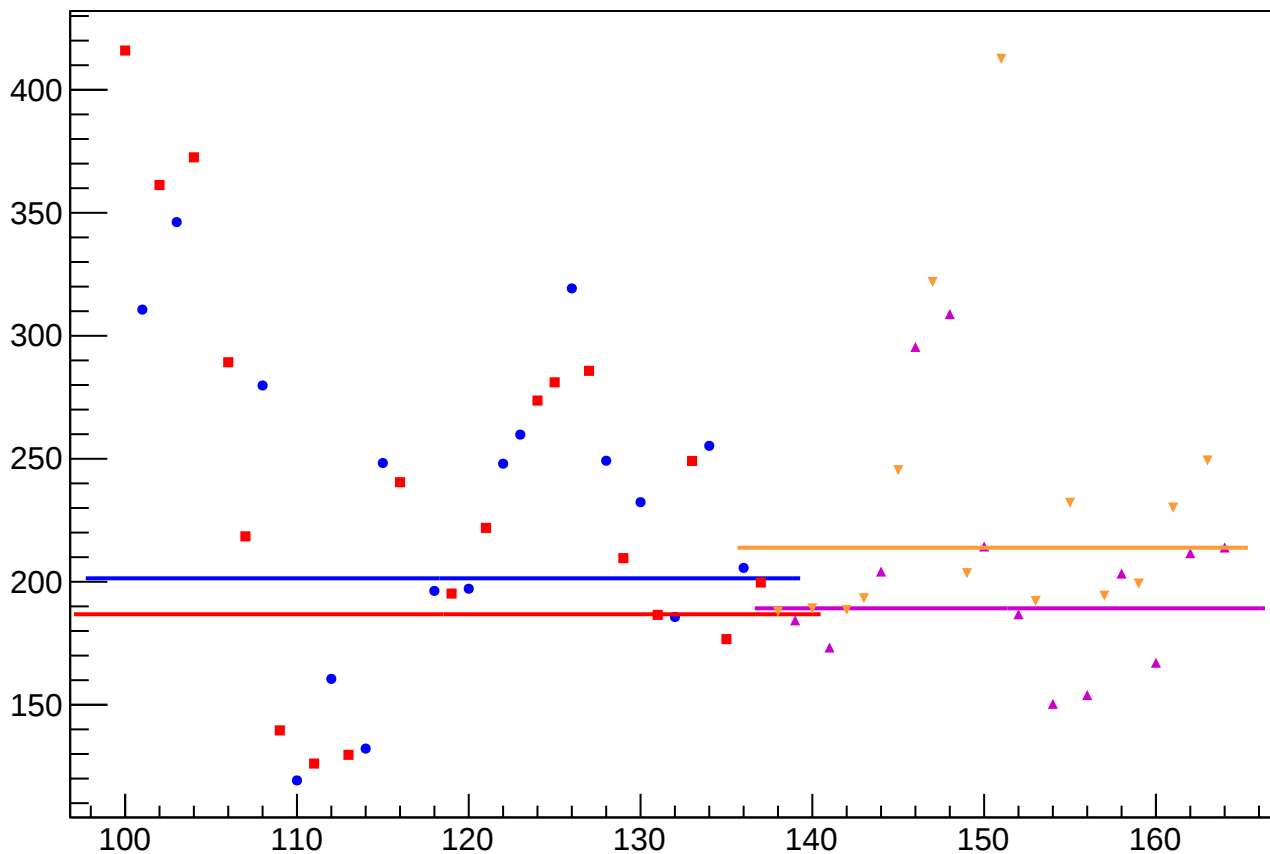
Right: -592.238+/-55.504 χ^2/NDF : 977.3/35

In: 269.887+/-49.279 χ^2/NDF :1388.5/29

Out: 68.730+/-50.481 χ^2/NDF :2118.9/32

All: 171.733+/-35.263 χ^2/NDF : 3515.5/62

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: 189.213 $\pm$ 0.043 χ^2 /NDF: 749936.1/12

Left: 200.274 $\pm$ 0.032 χ^2 /NDF: 1624765.5/26

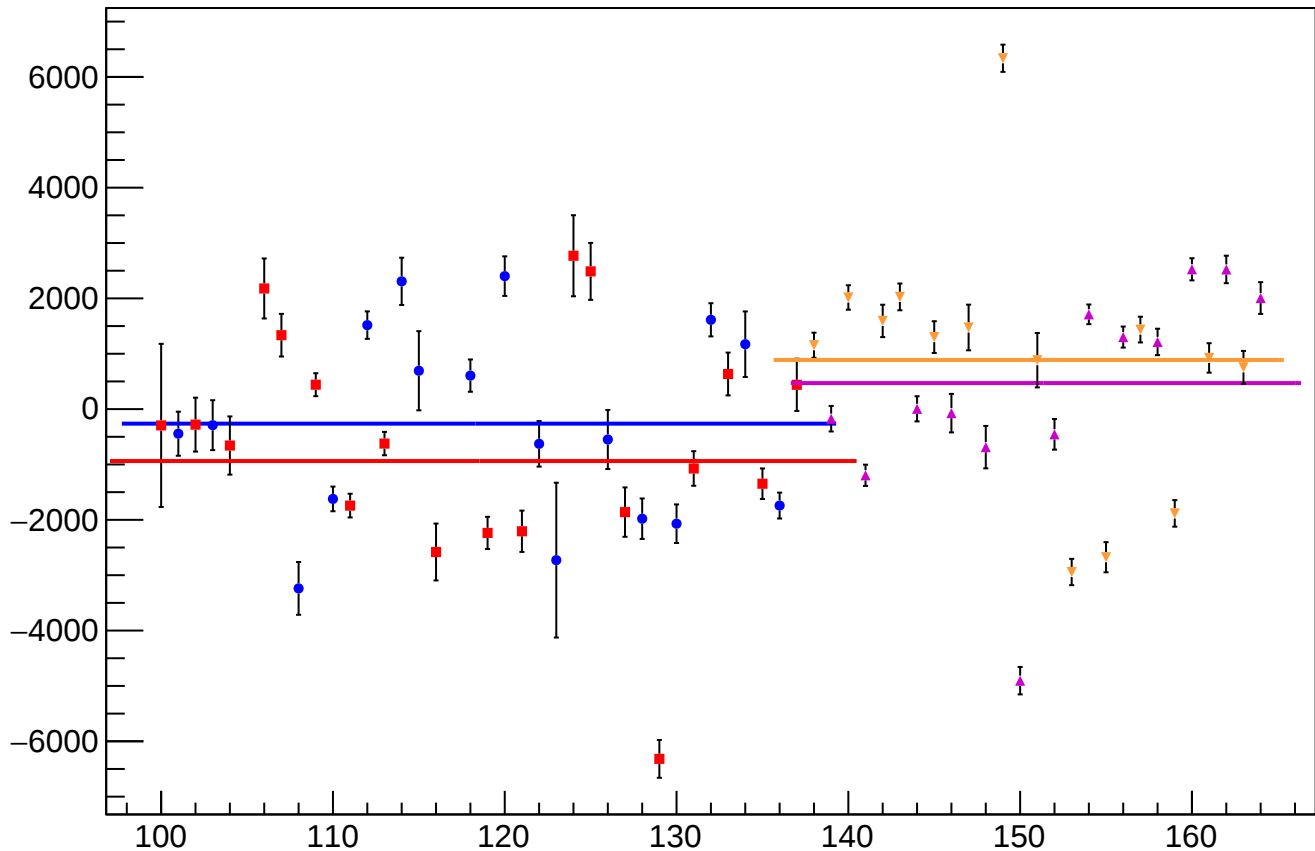
Right: 193.435 $\pm$ 0.039 χ^2 /NDF: 2483546.7/35

In: 193.580 $\pm$ 0.035 χ^2 /NDF: 1834118.5/29

Out: 201.641 $\pm$ 0.036 χ^2 /NDF: 2266189.1/32

All: 197.513 $\pm$ 0.025 χ^2 /NDF: 4126418.6/62

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: 470.367 ± 64.563 χ^2/NDF : 862.0/12

Left: 660.342 ± 47.670 χ^2/NDF : 2003.0/26

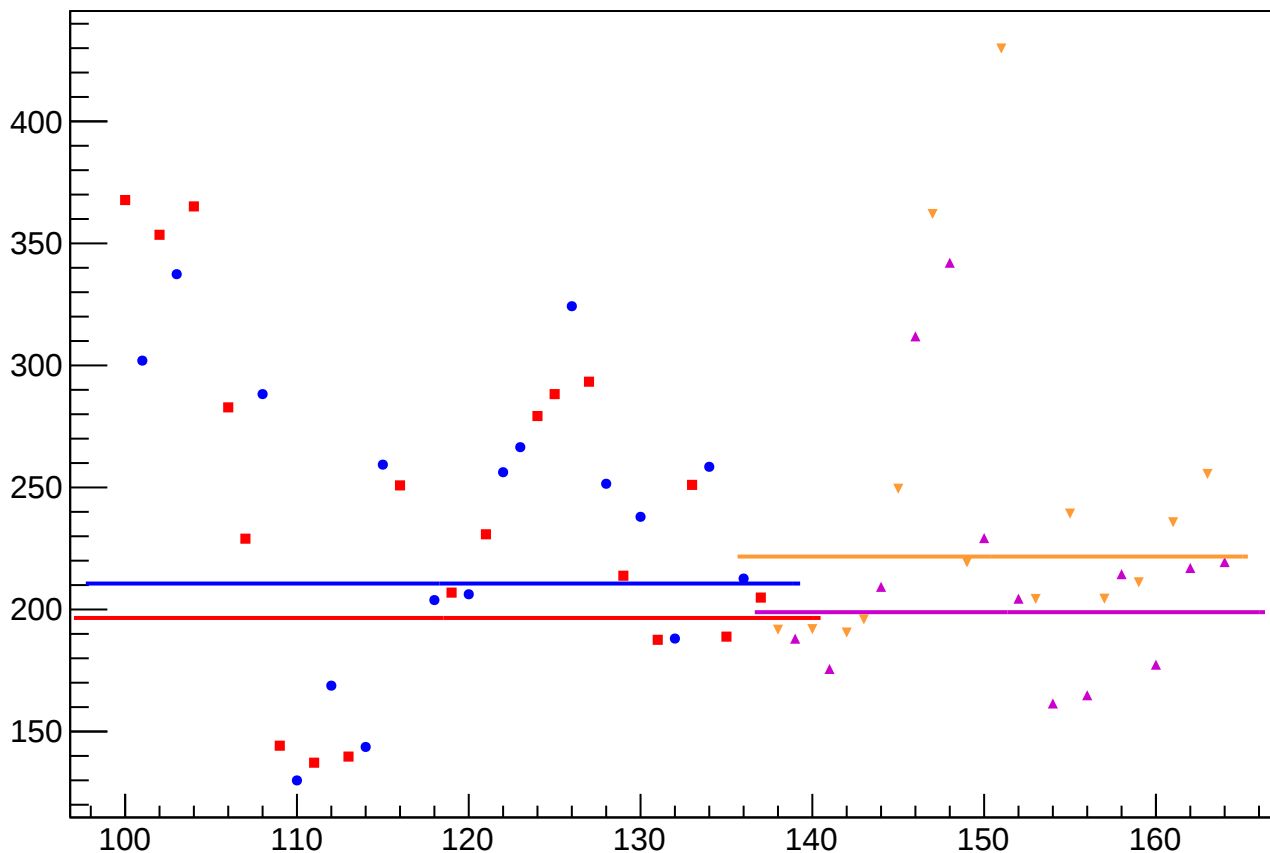
Right: -628.795 ± 57.777 χ^2/NDF : 924.5/35

In: 204.034 ± 51.509 χ^2/NDF : 1277.5/29

Out: 69.813 ± 52.508 χ^2/NDF : 1942.9/32

All: 138.213 ± 36.770 χ^2/NDF : 3223.7/62

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.636 $\pm$ 0.060 χ^2/NDF : 875776.4/16

Left Out: 221.686 $\pm$ 0.050 χ^2/NDF : 792116.8/13

Right Out: 196.528 $\pm$ 0.055 χ^2/NDF : 1205091.0/18

Left In: 198.895 $\pm$ 0.046 χ^2/NDF : 764190.5/12

Left: 209.261 $\pm$ 0.034 χ^2/NDF : 1669660.8/26

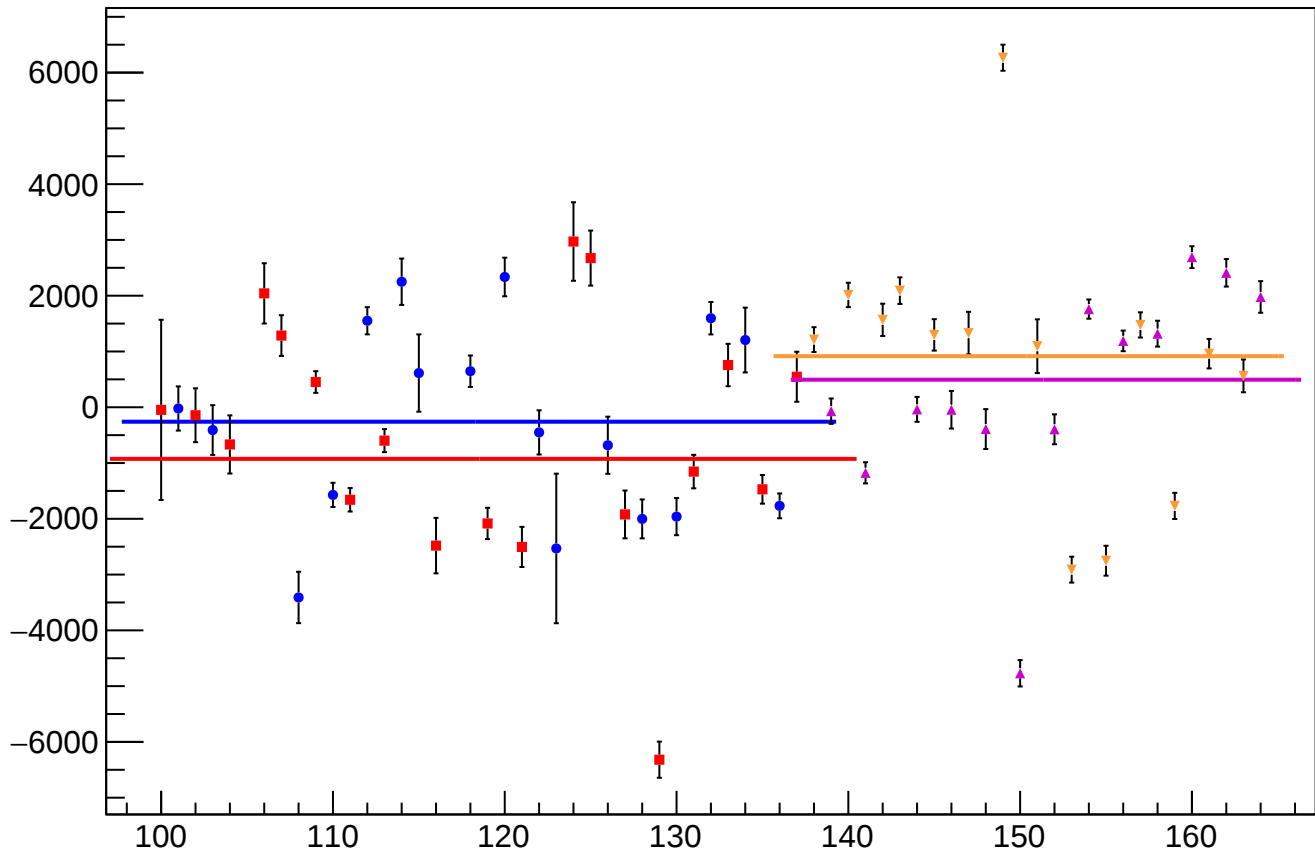
Right: 202.981 $\pm$ 0.041 χ^2/NDF : 2110460.6/35

In: 203.163 $\pm$ 0.036 χ^2/NDF : 1664007.3/29

Out: 210.411 $\pm$ 0.037 χ^2/NDF : 2110755.3/32

All: 206.717 $\pm$ 0.026 χ^2/NDF : 3794183.0/62

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: 493.819 ± 62.949 χ^2/NDF : 899.9/12

Left: 684.875 ± 46.564 χ^2/NDF : 2101.0/26

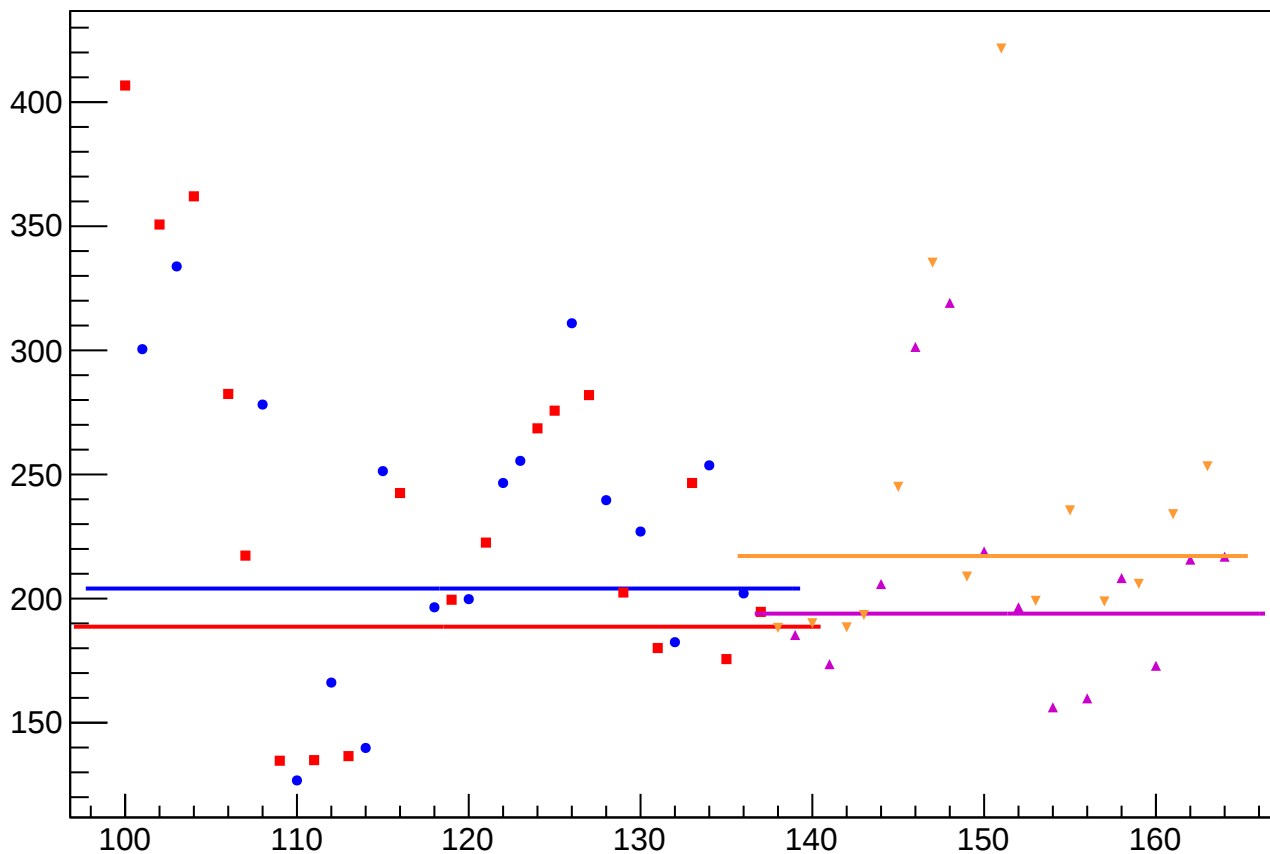
Right: -622.995 ± 55.791 χ^2/NDF : 1008.5/35

In: 218.035 ± 50.112 χ^2/NDF : 1343.5/29

Out: 75.209 ± 51.013 χ^2/NDF : 2085.8/32

All: 147.895 ± 35.749 χ^2/NDF : 3433.3/62

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: 193.944+/-0.045 χ^2/NDF : 727069.3/12

Left: 204.449+/-0.033 χ^2/NDF : 1605220.1/26

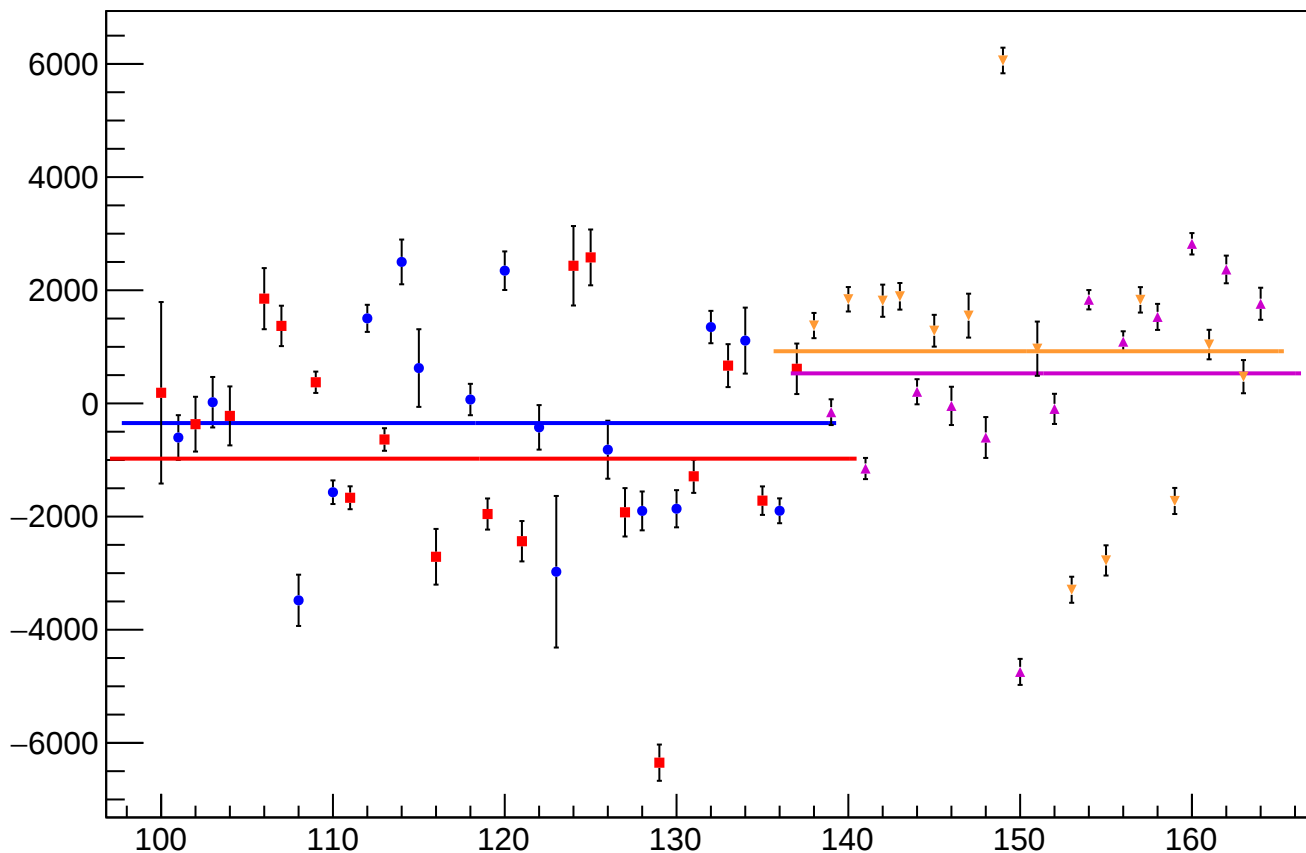
Right: 195.659+/-0.039 χ^2/NDF : 2157160.3/35

In: 197.646+/-0.035 χ^2/NDF : 1614377.9/29

Out: 204.149+/-0.036 χ^2/NDF : 2160720.4/32

All: 200.840+/-0.025 χ^2/NDF : 3791641.5/62

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.240+/-81.318 χ^2/NDF : 399.1/16

Left Out: 922.199+/-68.536 χ^2/NDF :1245.2/13

Right Out: -976.286+/-73.889 χ^2/NDF : 585.7/18

Left In: 531.091+/-62.328 χ^2/NDF :943.6/12

Left: 708.131+/-46.111 χ^2/NDF : 2206.7/26

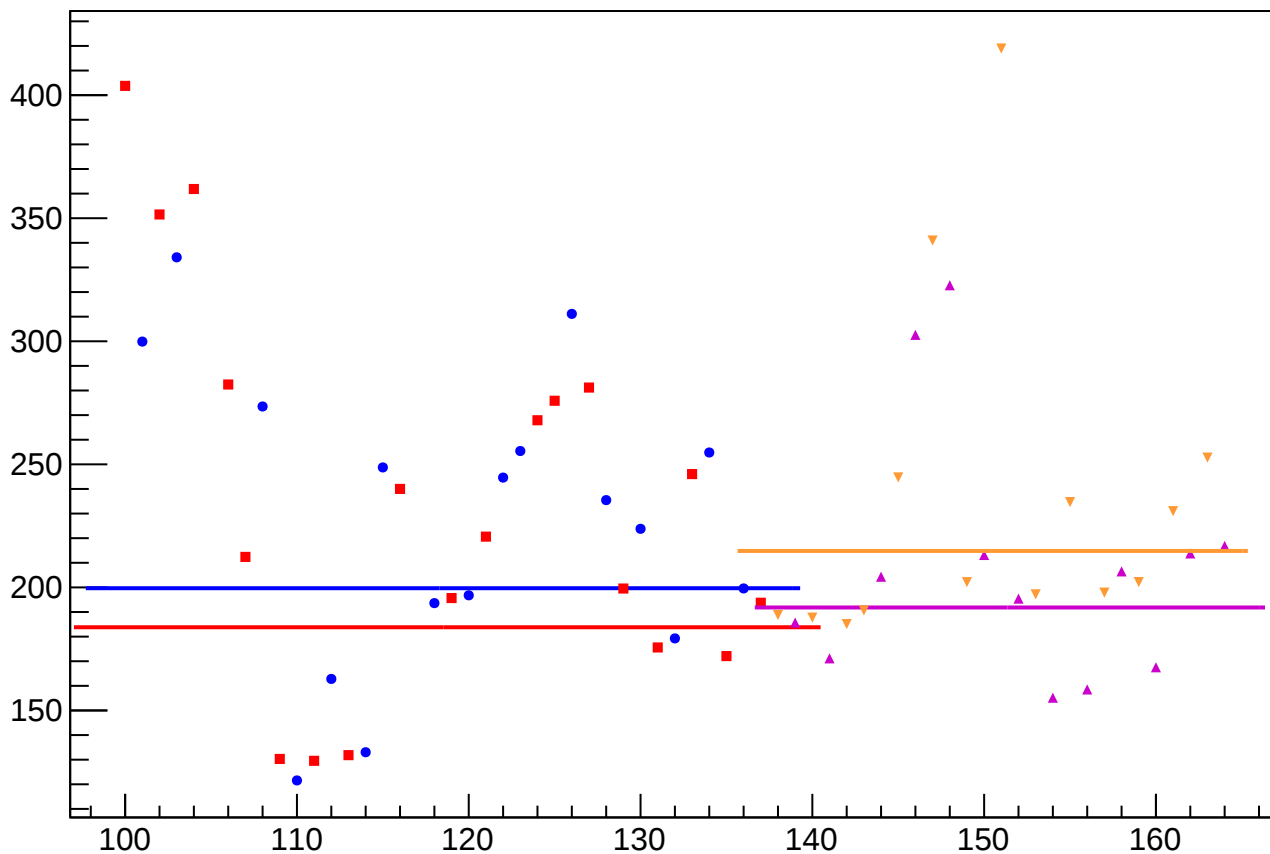
Right: -691.802+/-54.685 χ^2/NDF : 1017.5/35

In: 206.047+/-49.468 χ^2/NDF :1416.2/29

Out: 44.204+/-50.248 χ^2/NDF :2185.8/32

All: 126.391+/-35.252 χ^2/NDF : 3607.2/62

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: 191.843 $\pm$ 0.044 χ^2 /NDF: 757570.5/12

Left: 202.241 $\pm$ 0.033 χ^2 /NDF: 1666192.5/26

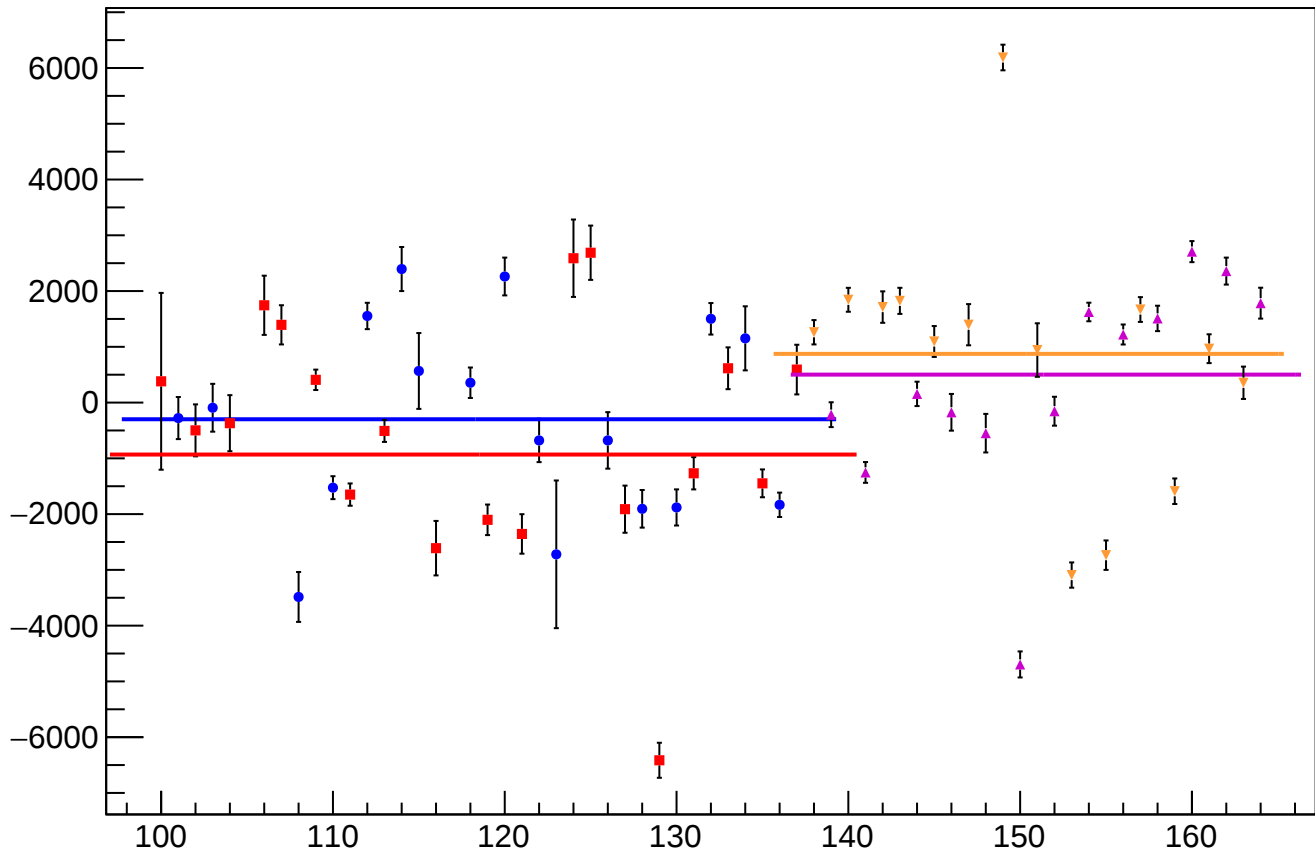
Right: 190.981 $\pm$ 0.039 χ^2 /NDF: 2334457.4/35

In: 194.740 $\pm$ 0.035 χ^2 /NDF: 1712393.4/29

Out: 200.474 $\pm$ 0.036 χ^2 /NDF: 2324583.3/32

All: 197.562 $\pm$ 0.025 χ^2 /NDF: 4050206.4/62

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -298.963±/80.162 χ^2/NDF : 406.6/16

Left Out: 873.686±/67.855 χ^2/NDF :1210.8/13

Right Out: -931.843±/72.751 χ^2/NDF : 614.8/18

Left In: 501.521±/61.406 χ^2/NDF :914.1/12

Left: 669.083±/45.530 χ^2/NDF : 2141.4/26

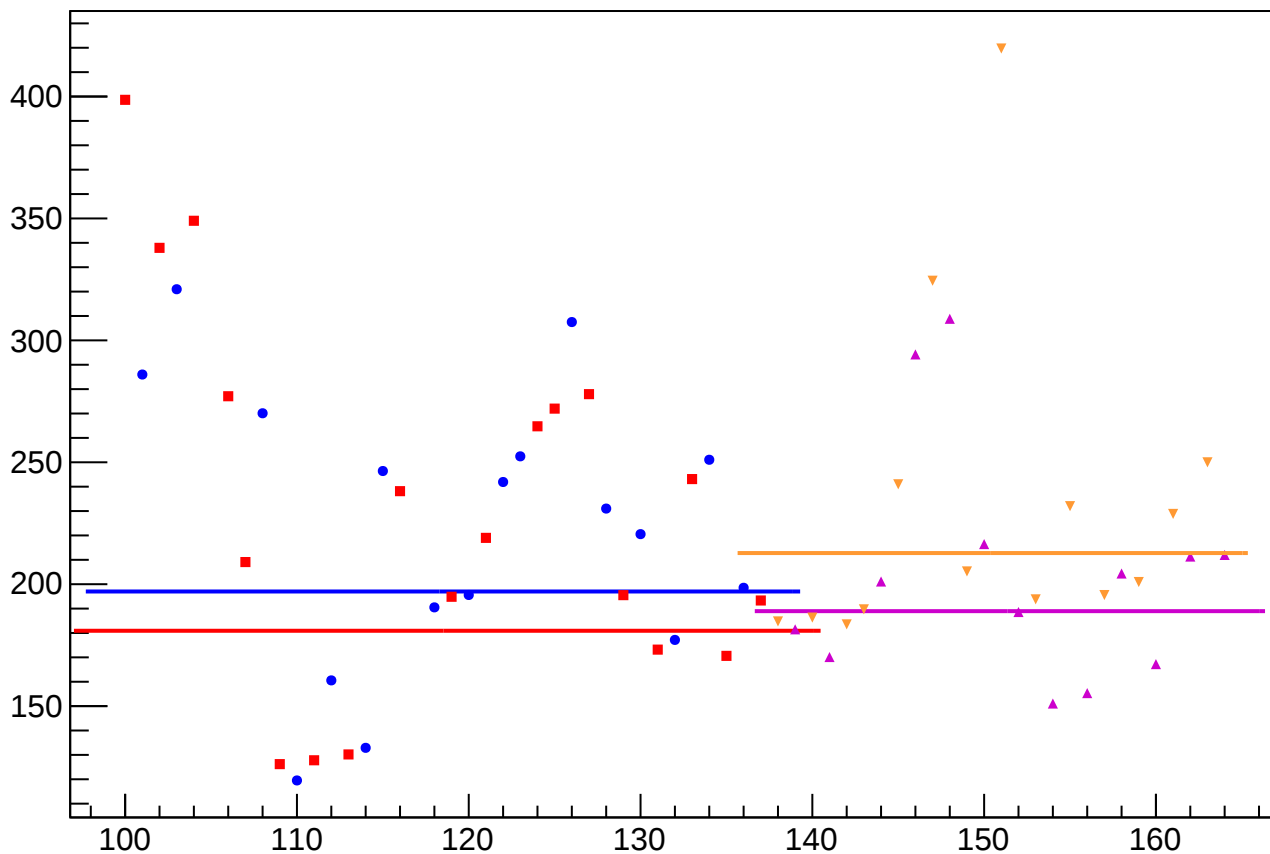
Right: -646.004±/53.873 χ^2/NDF : 1055.6/35

In: 205.503±/48.747 χ^2/NDF :1383.5/29

Out: 33.718±/49.621 χ^2/NDF :2155.0/32

All: 121.137±/34.774 χ^2/NDF : 3544.6/62

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 197.013 +/- 0.057 χ^2/NDF : 911923.5/16

Left Out: 212.776 +/- 0.048 χ^2/NDF : 764266.2/13

Right Out: 180.906 +/- 0.051 χ^2/NDF : 1345685.7/18

Left In: 188.948 +/- 0.043 χ^2/NDF : 741732.8/12

Left: 199.676 +/- 0.032 χ^2/NDF : 1641582.5/26

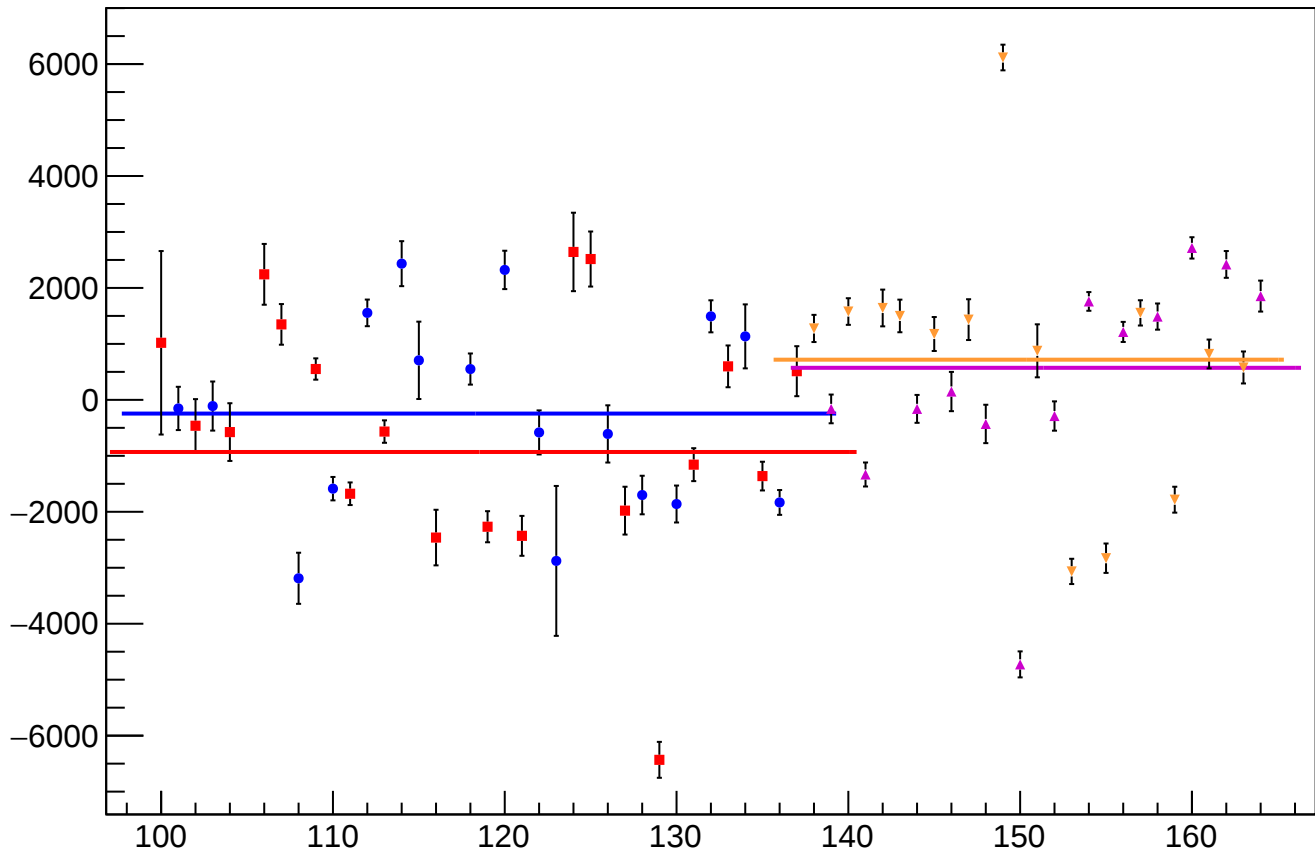
Right: 188.181 +/- 0.038 χ^2/NDF : 2301888.8/35

In: 191.931 +/- 0.034 χ^2/NDF : 1666415.5/29

Out: 197.949 +/- 0.035 χ^2/NDF : 2315201.0/32

All: 194.886 +/- 0.025 χ^2/NDF : 3996589.6/62

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: 572.741+/-63.765 χ^2/NDF :922.5/12

Left: 637.379+/-47.497 χ^2/NDF : 2112.8/26

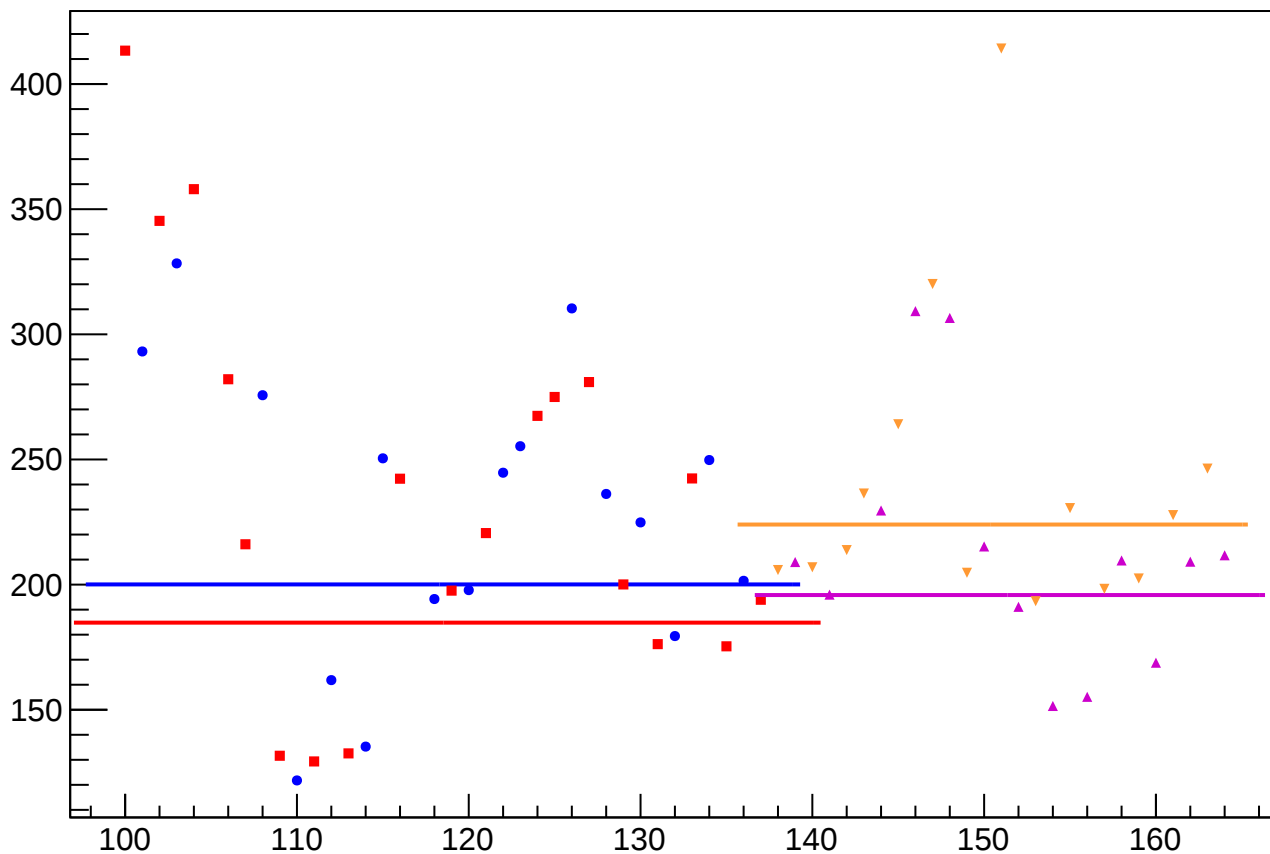
Right: -619.742+/-54.837 χ^2/NDF : 1040.0/35

In: 261.774+/-50.196 χ^2/NDF :1376.5/29

Out: -72.459+/-51.372 χ^2/NDF :2054.9/32

All: 98.527+/-35.902 χ^2/NDF : 3453.1/62

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: 195.834 $\pm$ 0.045 χ^2 /NDF: 777571.6/12

Left: 208.375 $\pm$ 0.034 χ^2 /NDF: 1582917.0/26

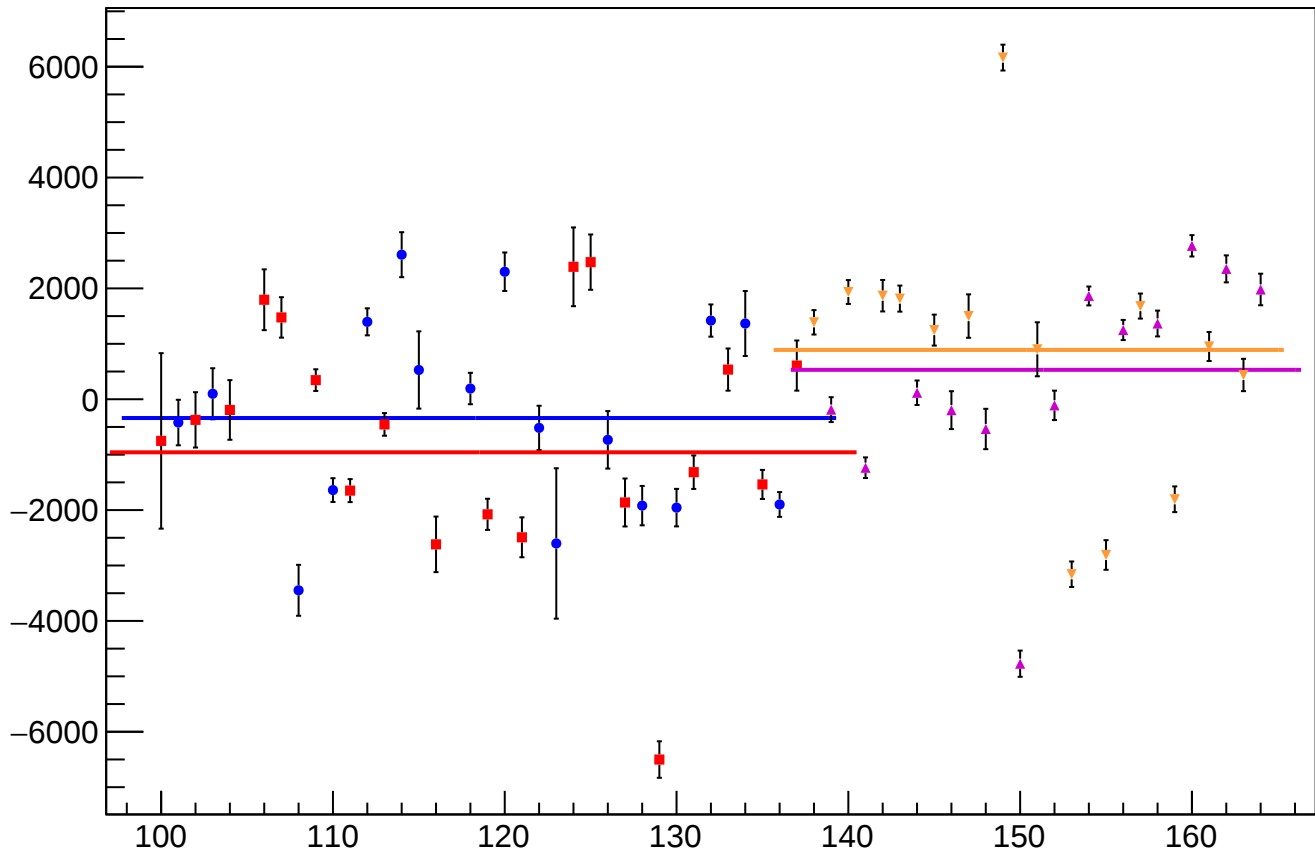
Right: 191.739 $\pm$ 0.039 χ^2 /NDF: 2275022.2/35

In: 197.448 $\pm$ 0.035 χ^2 /NDF: 1699250.4/29

Out: 205.219 $\pm$ 0.036 χ^2 /NDF: 2240443.5/32

All: 201.244 $\pm$ 0.025 χ^2 /NDF: 3963106.4/62

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -338.966 ± 83.123 $\chi^2/\text{NDF}: 389.5/16$

Left Out: 890.018 ± 68.680 $\chi^2/\text{NDF}: 1222.3/13$

Right Out: -957.615 ± 75.749 $\chi^2/\text{NDF}: 570.3/18$

Left In: 530.461 ± 62.435 $\chi^2/\text{NDF}: 932.0/12$

Left: 693.153 ± 46.199 $\chi^2/\text{NDF}: 2169.3/26$

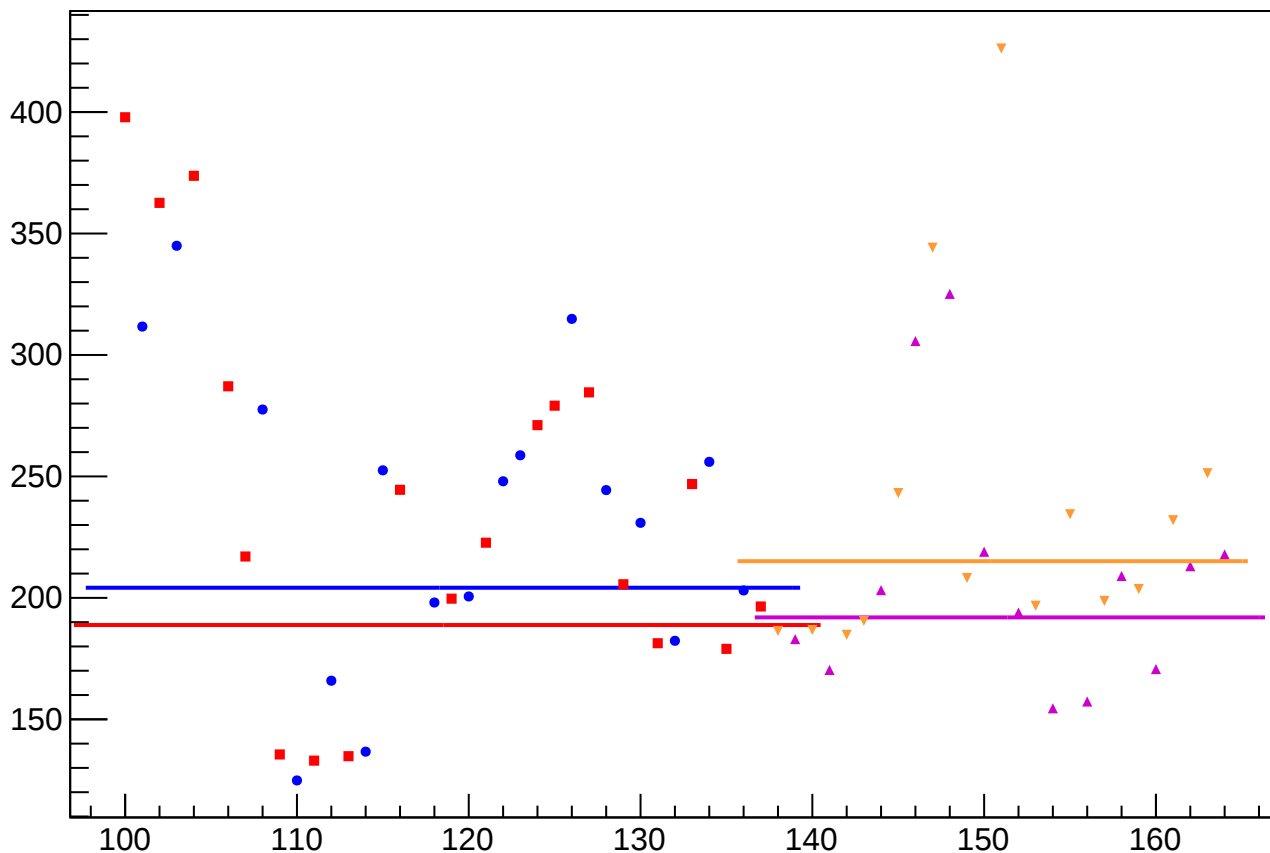
Right: -676.943 ± 55.988 $\chi^2/\text{NDF}: 990.0/35$

In: 216.869 ± 49.921 $\chi^2/\text{NDF}: 1391.4/29$

Out: 56.410 ± 50.880 $\chi^2/\text{NDF}: 2119.1/32$

All: 138.165 ± 35.634 $\chi^2/\text{NDF}: 3515.6/62$

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 215.100 $\pm$ 0.049 χ^2 /NDF: 805092.5/13

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

Left In: 191.958 $\pm$ 0.044 χ^2 /NDF: 786378.0/12

Left: 202.429 $\pm$ 0.033 χ^2 /NDF: 1715796.4/26

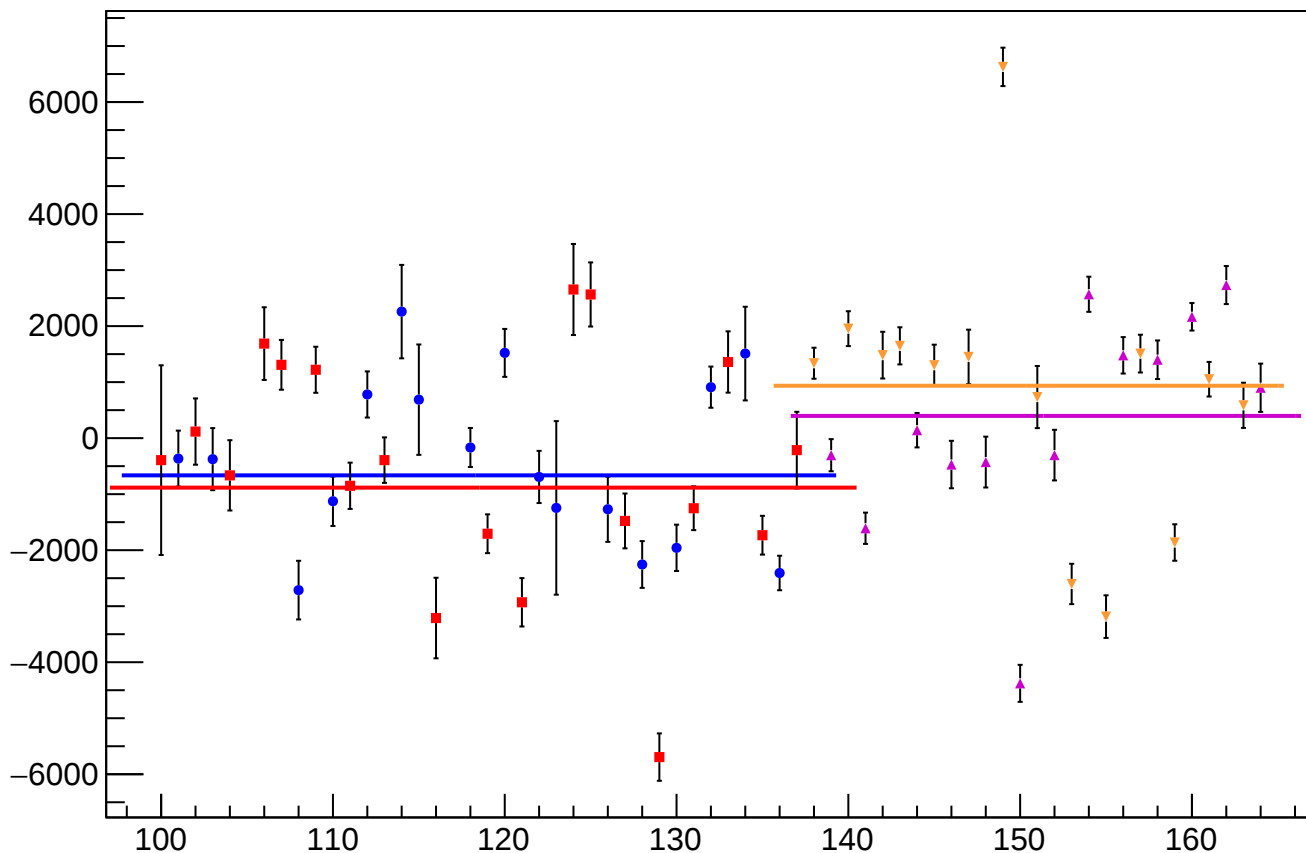
Right: 195.787 $\pm$ 0.040 χ^2 /NDF: 2299610.3/35

In: 196.365 $\pm$ 0.035 χ^2 /NDF: 1761436.9/29

Out: 203.243 $\pm$ 0.036 χ^2 /NDF: 2252091.3/32

All: 199.739 $\pm$ 0.025 χ^2 /NDF: 4032154.0/62

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -664.383+/-113.949 χ^2/NDF : 154.3/16

Left Out: 935.325+/-94.885 χ^2/NDF : 588.6/13

Right Out: -883.255+/-110.875 χ^2/NDF : 320.1/18

Left In: 397.030+/-91.782 χ^2/NDF : 444.8/12

Left: 657.231+/-65.969 χ^2/NDF : 1050.0/26

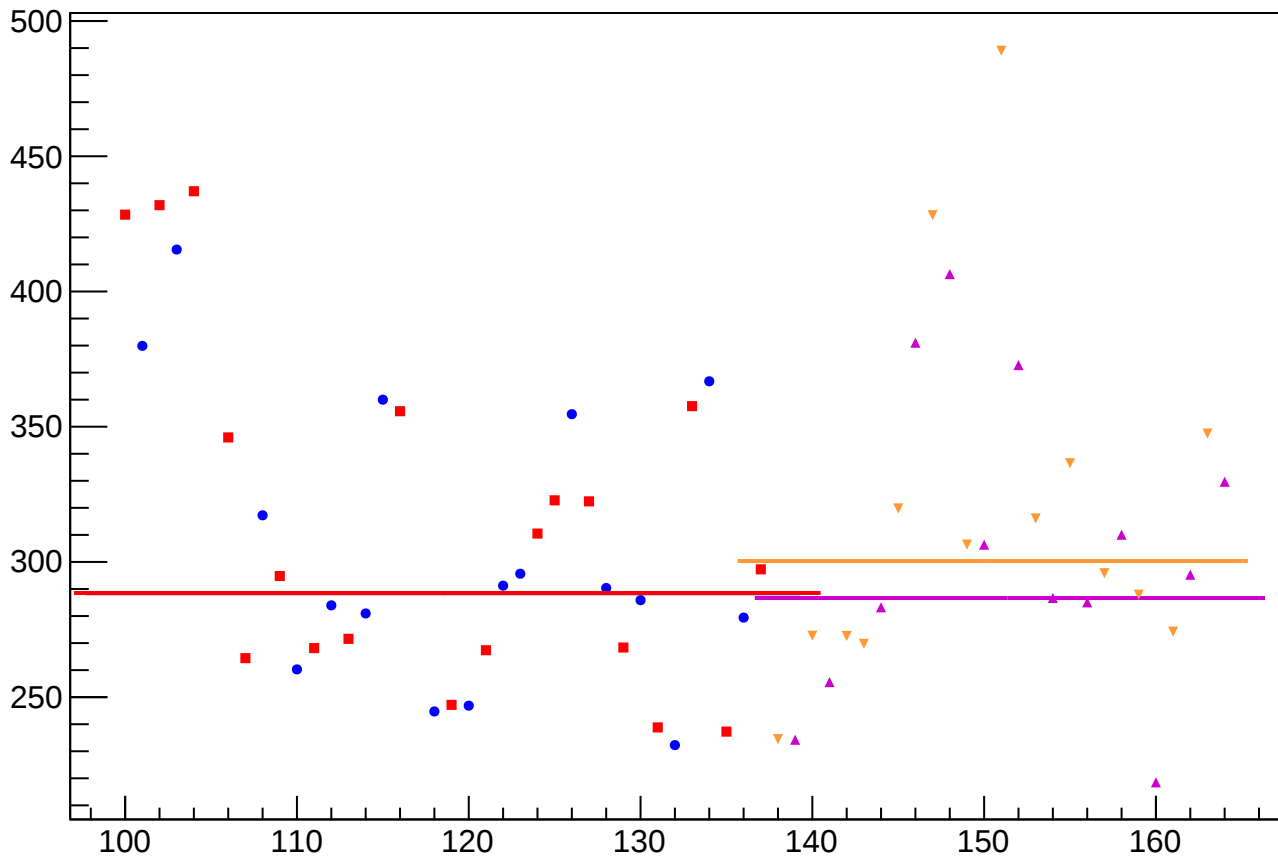
Right: -776.811+/-79.465 χ^2/NDF : 476.3/35

In: -20.625+/-71.479 χ^2/NDF : 651.8/29

Out: 166.508+/-72.090 χ^2/NDF : 1063.9/32

All: 72.144+/-50.758 χ^2/NDF : 1719.1/62

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: 286.659 $\pm$ 0.065 χ^2 /NDF: 594574.5/12

Left: 293.273 $\pm$ 0.047 χ^2 /NDF: 1213515.1/26

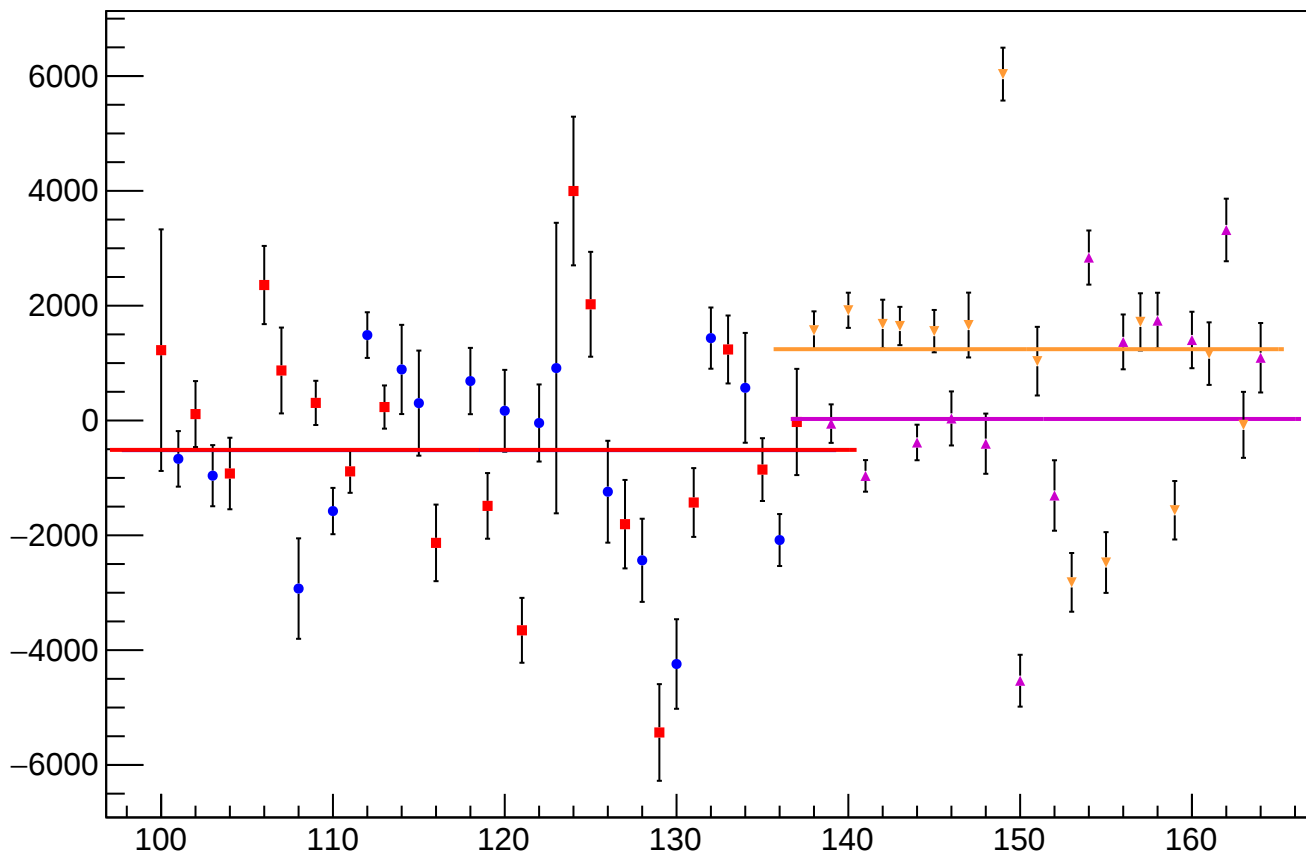
Right: 288.476 $\pm$ 0.056 χ^2 /NDF: 795230.9/35

In: 287.355 $\pm$ 0.051 χ^2 /NDF: 934687.0/29

Out: 295.346 $\pm$ 0.051 χ^2 /NDF: 1065983.3/32

All: 291.316 $\pm$ 0.036 χ^2 /NDF: 2013060.7/62

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: 26.796±118.187 χ^2/NDF : 225.4/12

Left: 645.011±82.850 χ^2/NDF : 546.2/26

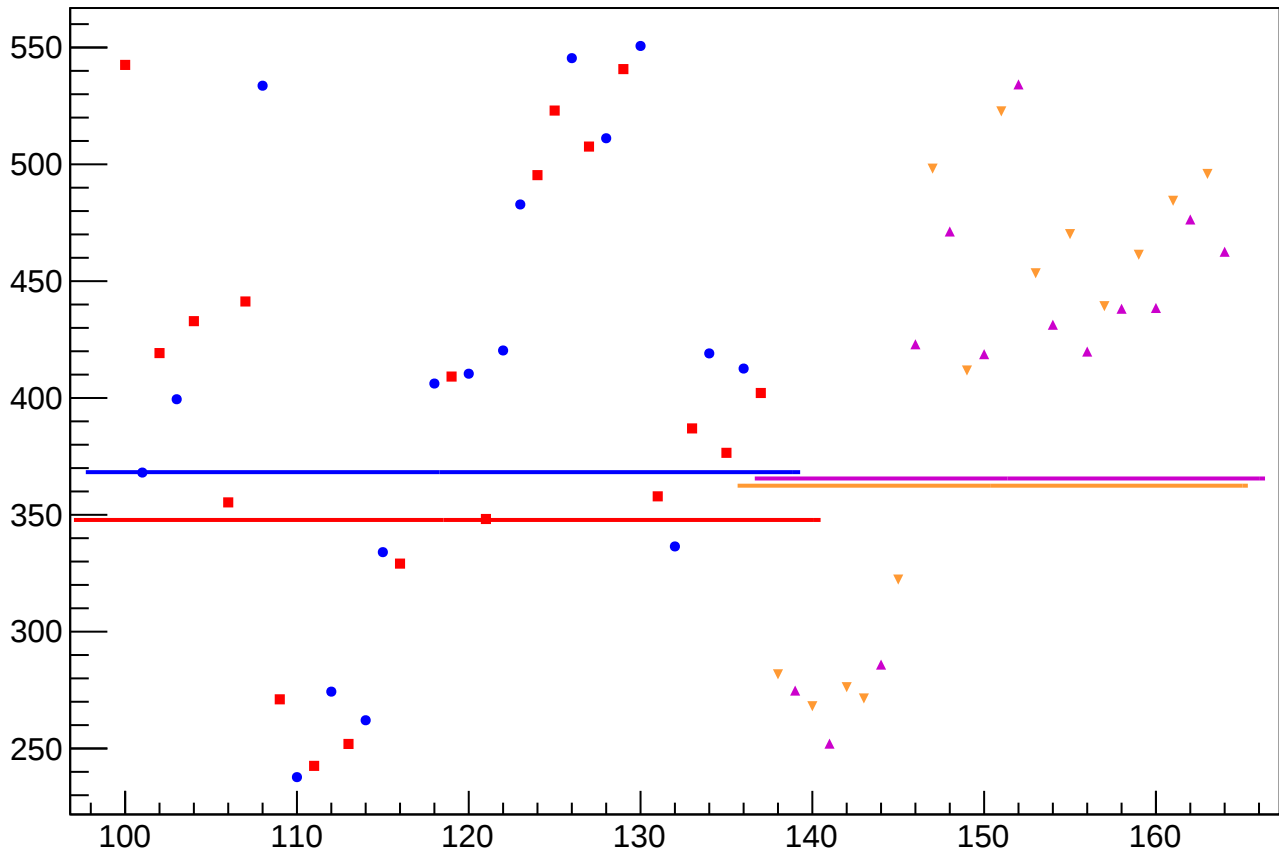
Right: -513.708±99.851 χ^2/NDF : 249.3/35

In: -185.700±92.189 χ^2/NDF : 341.7/29

Out: 501.046±88.278 χ^2/NDF : 504.6/32

All: 172.551±63.760 χ^2/NDF : 875.2/62

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 368.264 $\pm$ 0.104 χ^2 /NDF: 770116.6/16

Left Out: 362.467 $\pm$ 0.082 χ^2 /NDF:1324445.3/13

Right Out: 347.802 $\pm$ 0.096 χ^2 /NDF: 821862.5/18

Left In: 365.550 $\pm$ 0.084 χ^2 /NDF:1196593.8/12

Left: 363.982 $\pm$ 0.059 χ^2 /NDF: 2521731.2/26

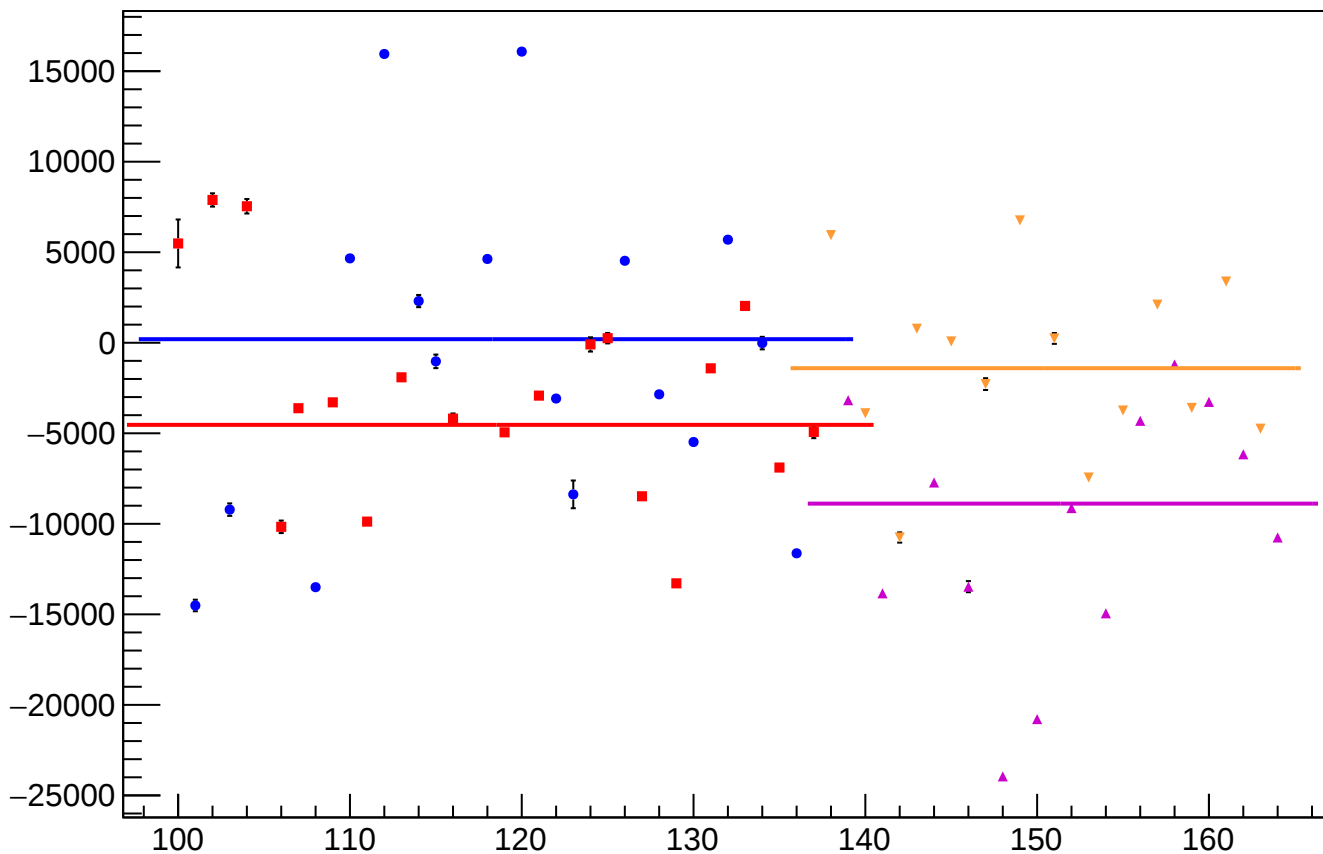
Right: 357.201 $\pm$ 0.071 χ^2 /NDF: 1612837.5/35

In: 366.613 $\pm$ 0.065 χ^2 /NDF:1967123.4/29

Out: 356.270 $\pm$ 0.062 χ^2 /NDF:2159776.0/32

All: 361.217 $\pm$ 0.045 χ^2 /NDF: 4140031.3/62

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: -8884.817 $\pm$ 54.906 χ^2/NDF : 14070.4/12

Left: -5047.105 $\pm$ 38.312 χ^2/NDF : 31164.1/26

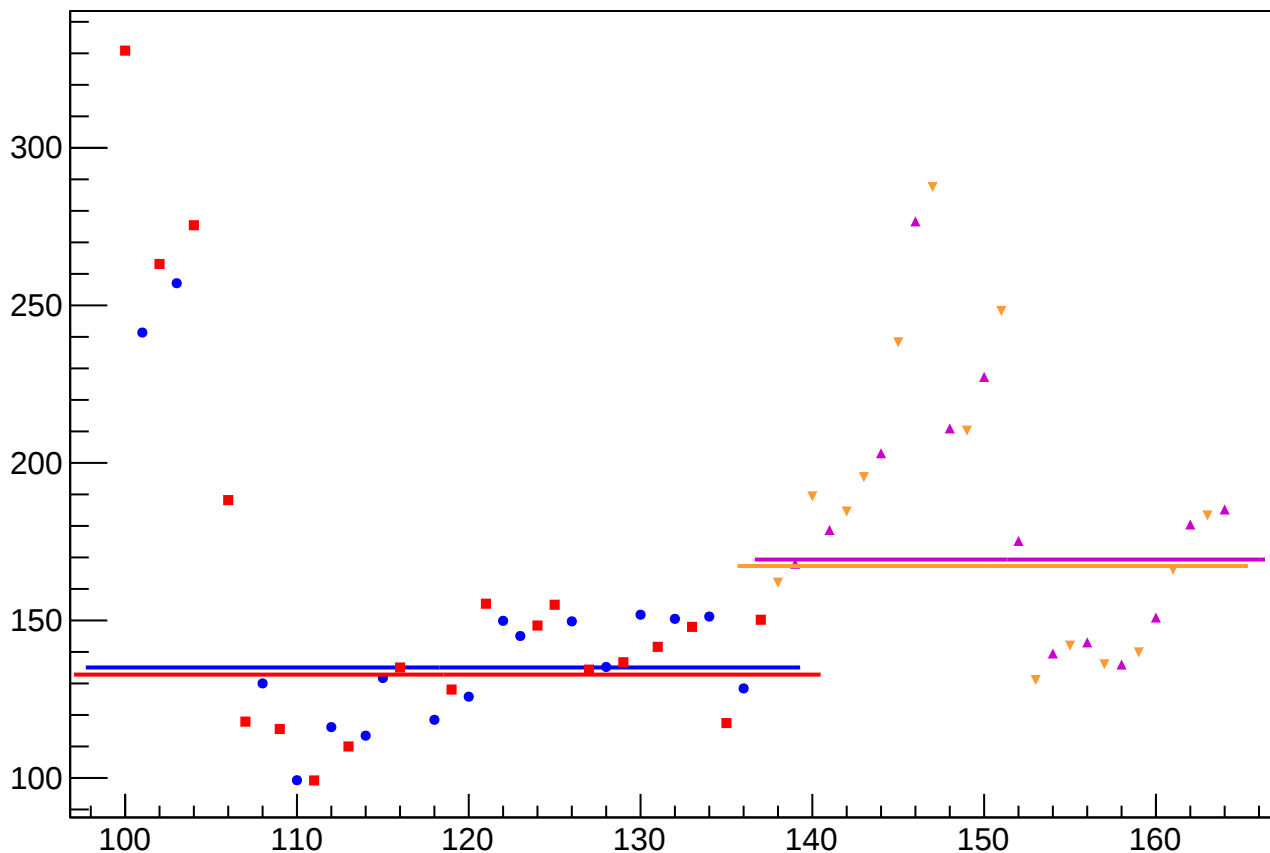
Right: -2271.626 $\pm$ 37.895 χ^2/NDF : 42025.0/35

In: -4334.974 $\pm$ 38.786 χ^2/NDF : 58435.1/29

Out: -3000.071 $\pm$ 37.453 χ^2/NDF : 16793.8/32

All: -3644.174 $\pm$ 26.942 χ^2/NDF : 75841.8/62

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 167.280+/-0.038 χ^2/NDF :1000747.6/13

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

Left In: 169.328+/-0.039 χ^2/NDF :729200.0/12

Left: 168.277+/-0.027 χ^2/NDF : 1731375.8/26

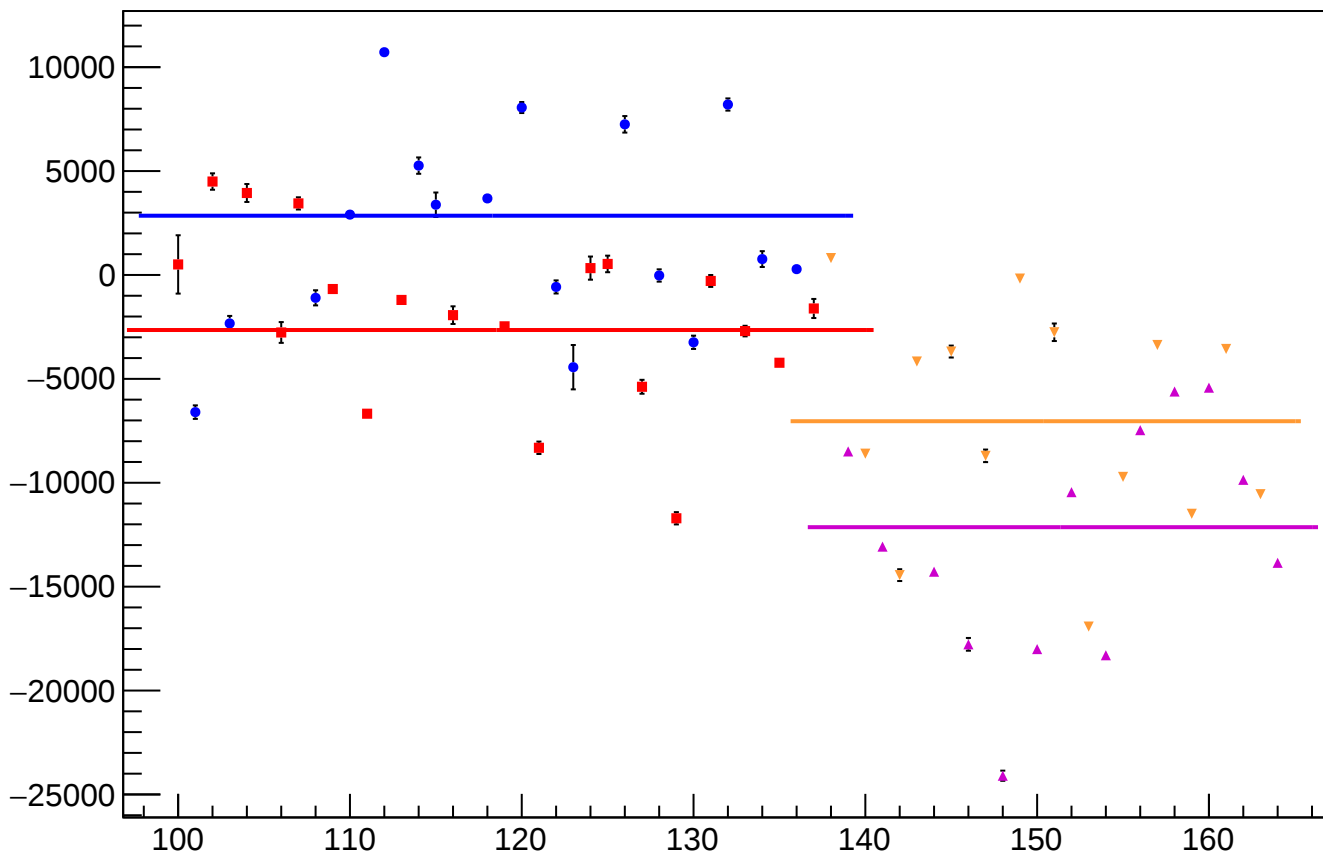
Right: 133.895+/-0.027 χ^2/NDF : 1491663.0/35

In: 152.166+/-0.027 χ^2/NDF :1777927.8/29

Out: 149.715+/-0.026 χ^2/NDF :2255160.0/32

All: 150.898+/-0.019 χ^2/NDF : 4037221.3/62

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 $\pm$ 70.753 χ^2/NDF : 4178.1/16

Left Out: -7038.282 $\pm$ 61.599 χ^2/NDF : 7653.4/13

Right Out: -2649.142 $\pm$ 65.731 χ^2/NDF : 3175.7/18

Left In: -12137.628 $\pm$ 55.000 χ^2/NDF : 9418.8/12

Left: -9875.631 $\pm$ 41.026 χ^2/NDF : 20885.4/26

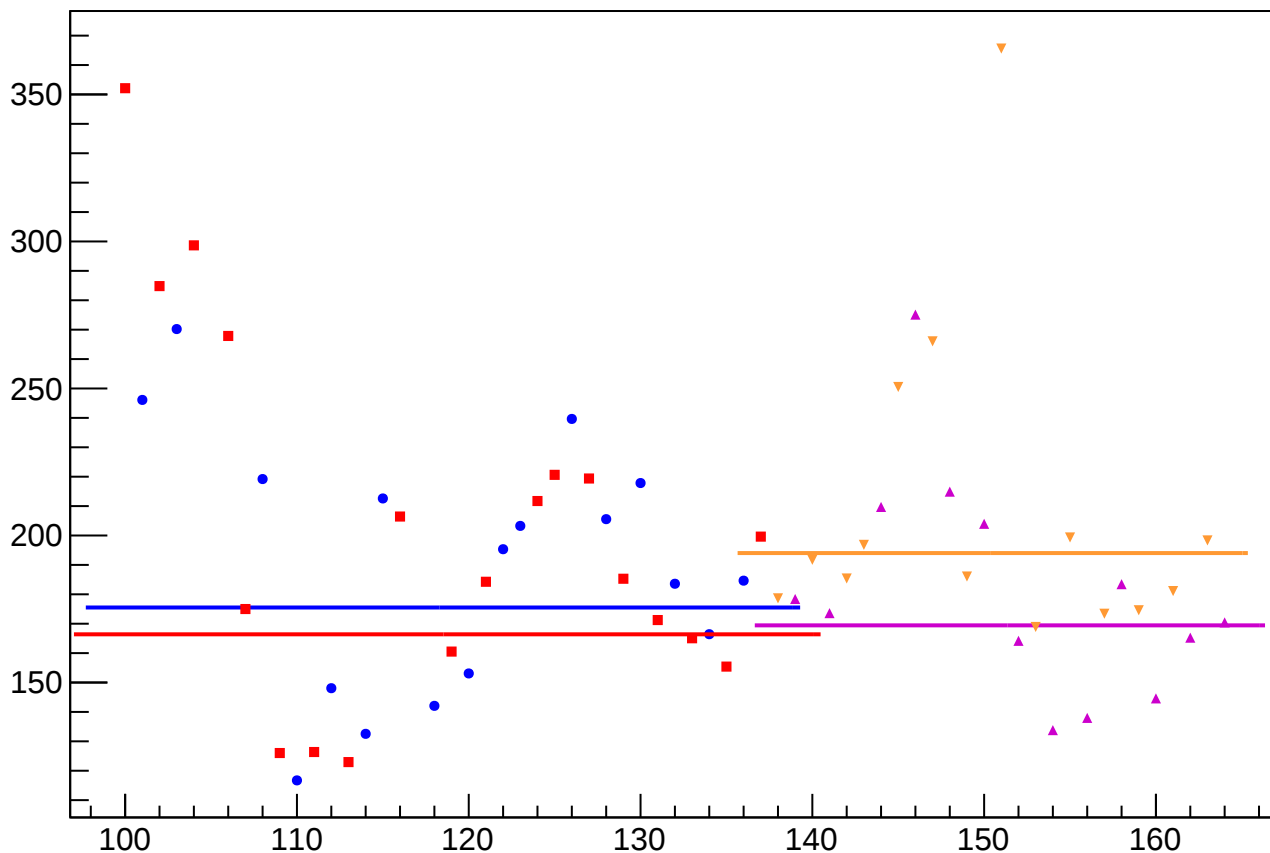
Right: -100.998 $\pm$ 48.156 χ^2/NDF : 10597.9/35

In: -6491.787 $\pm$ 43.423 χ^2/NDF : 41572.4/29

Out: -4985.990 $\pm$ 44.947 χ^2/NDF : 13203.1/32

All: -5764.839 $\pm$ 31.230 χ^2/NDF : 55356.0/62

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: 169.441+/-0.039 χ^2/NDF : 675401.2/12

Left: 180.347+/-0.029 χ^2/NDF : 1472988.6/26

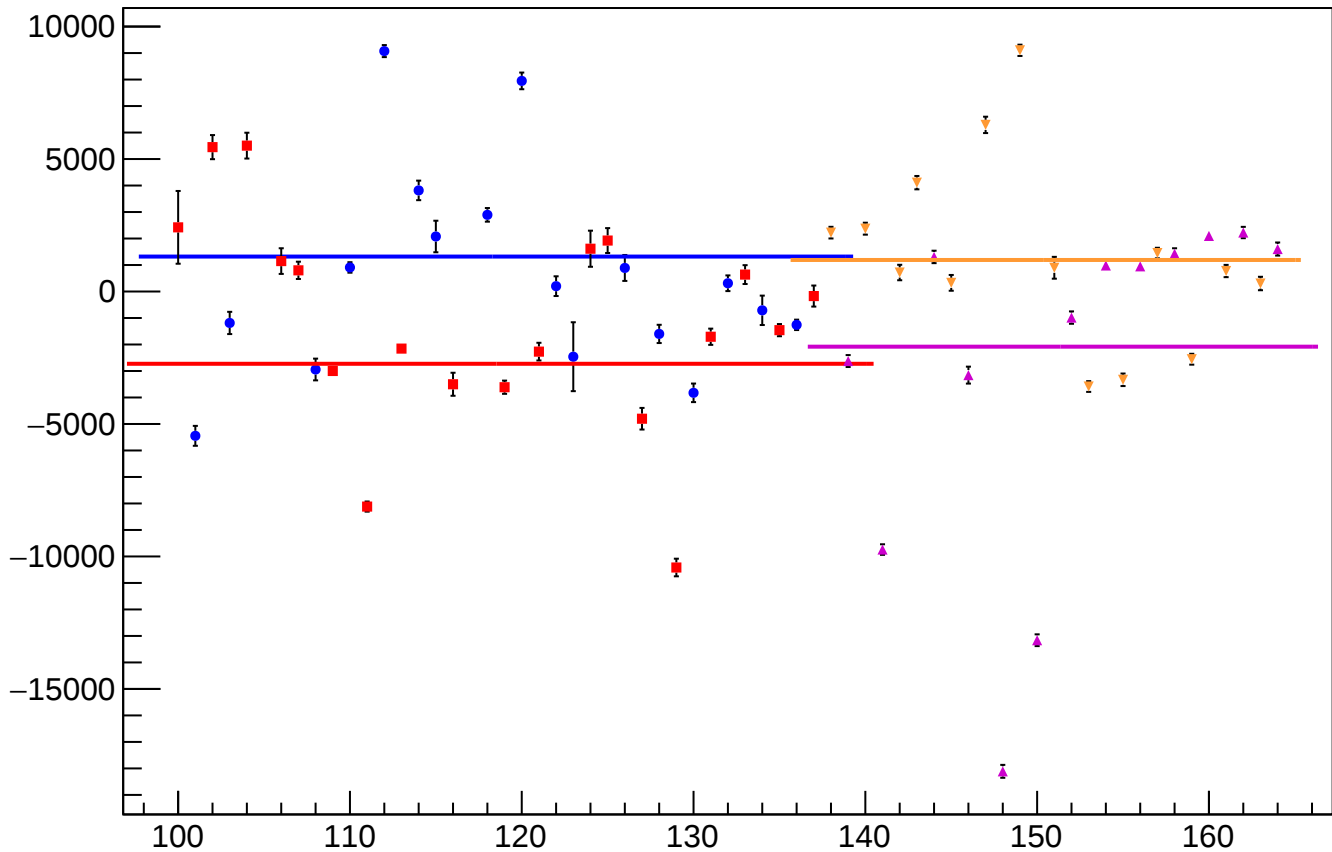
Right: 170.618+/-0.034 χ^2/NDF : 1637018.2/35

In: 171.728+/-0.031 χ^2/NDF : 1374230.4/29

Out: 181.106+/-0.032 χ^2/NDF : 1738042.6/32

All: 176.255+/-0.022 χ^2/NDF : 3157302.8/62

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009 ± 77.146 $\chi^2/\text{NDF}: 2667.0/16$

Left Out: 1190.162 ± 64.203 $\chi^2/\text{NDF}: 3116.6/13$

Right Out: -2727.798 ± 70.029 $\chi^2/\text{NDF}: 2495.9/18$

Left In: -2081.815 ± 57.223 $\chi^2/\text{NDF}: 10803.5/12$

Left: -633.311 ± 42.718 $\chi^2/\text{NDF}: 15367.5/26$

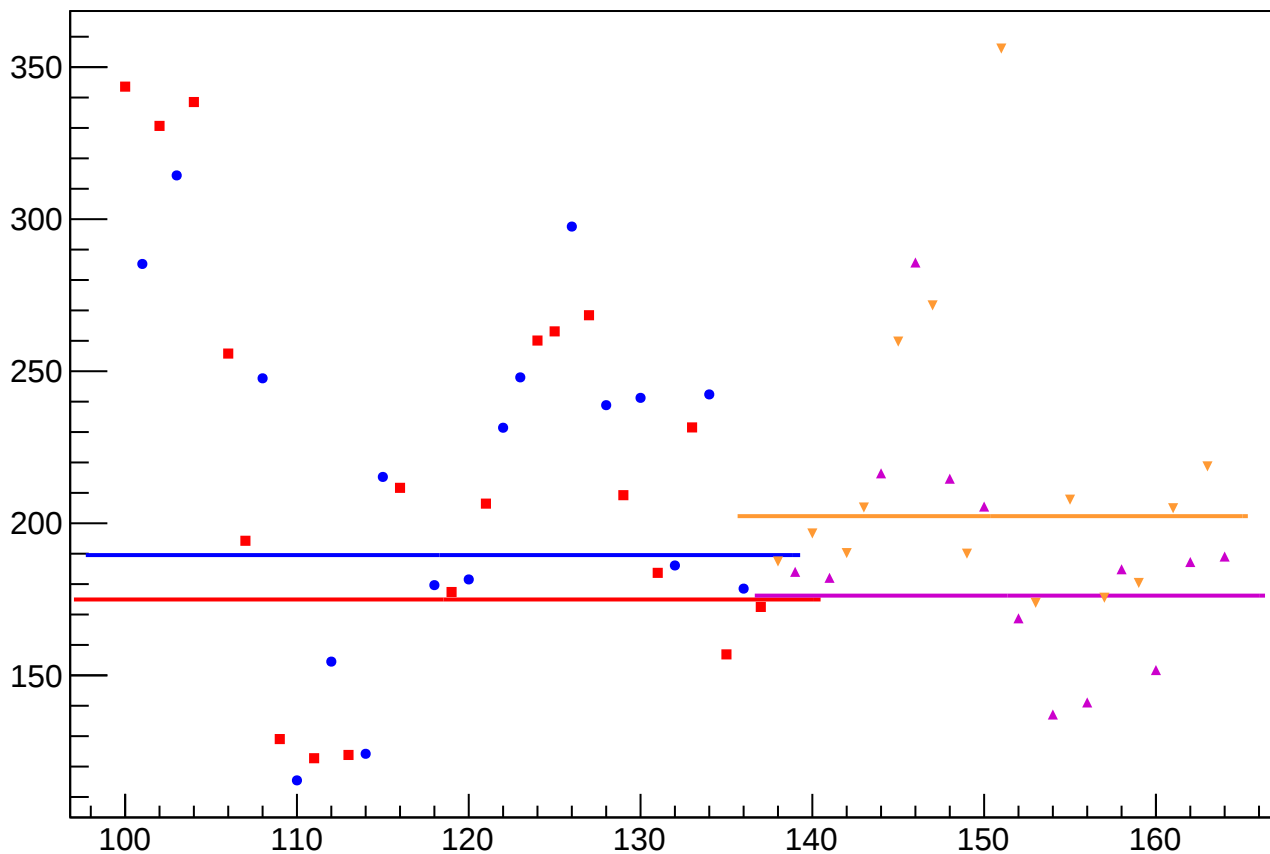
Right: -899.614 ± 51.852 $\chi^2/\text{NDF}: 6671.5/35$

In: -874.802 ± 45.959 $\chi^2/\text{NDF}: 14724.1/29$

Out: -599.091 ± 47.324 $\chi^2/\text{NDF}: 7313.2/32$

All: -740.980 ± 32.970 $\chi^2/\text{NDF}: 22054.8/62$

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: 176.214 +/- 0.040 χ^2/NDF : 665805.7/12

Left: 187.782 +/- 0.030 χ^2/NDF : 1432793.5/26

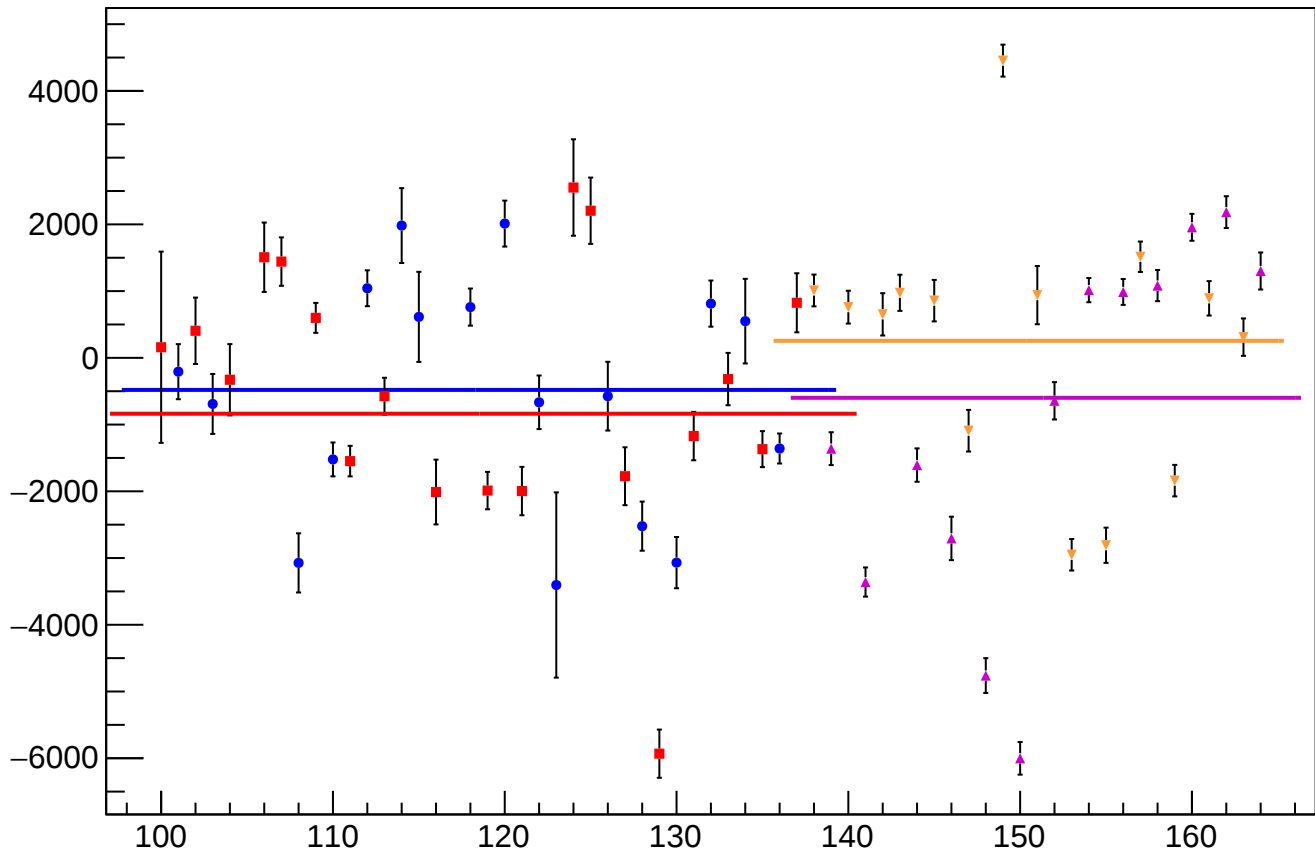
Right: 181.540 +/- 0.037 χ^2/NDF : 2317127.7/35

In: 180.945 +/- 0.032 χ^2/NDF : 1685074.5/29

Out: 189.832 +/- 0.033 χ^2/NDF : 2045820.3/32

All: 185.258 +/- 0.023 χ^2/NDF : 3767190.1/62

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 254.797 ± 71.009 $\chi^2/\text{NDF}: 790.4/13$

Right Out: -837.442 ± 82.243 $\chi^2/\text{NDF}: 435.3/18$

Left In: -598.803 ± 64.899 $\chi^2/\text{NDF}: 1510.1/12$

Left: -210.304 ± 47.905 $\chi^2/\text{NDF}: 2379.2/26$

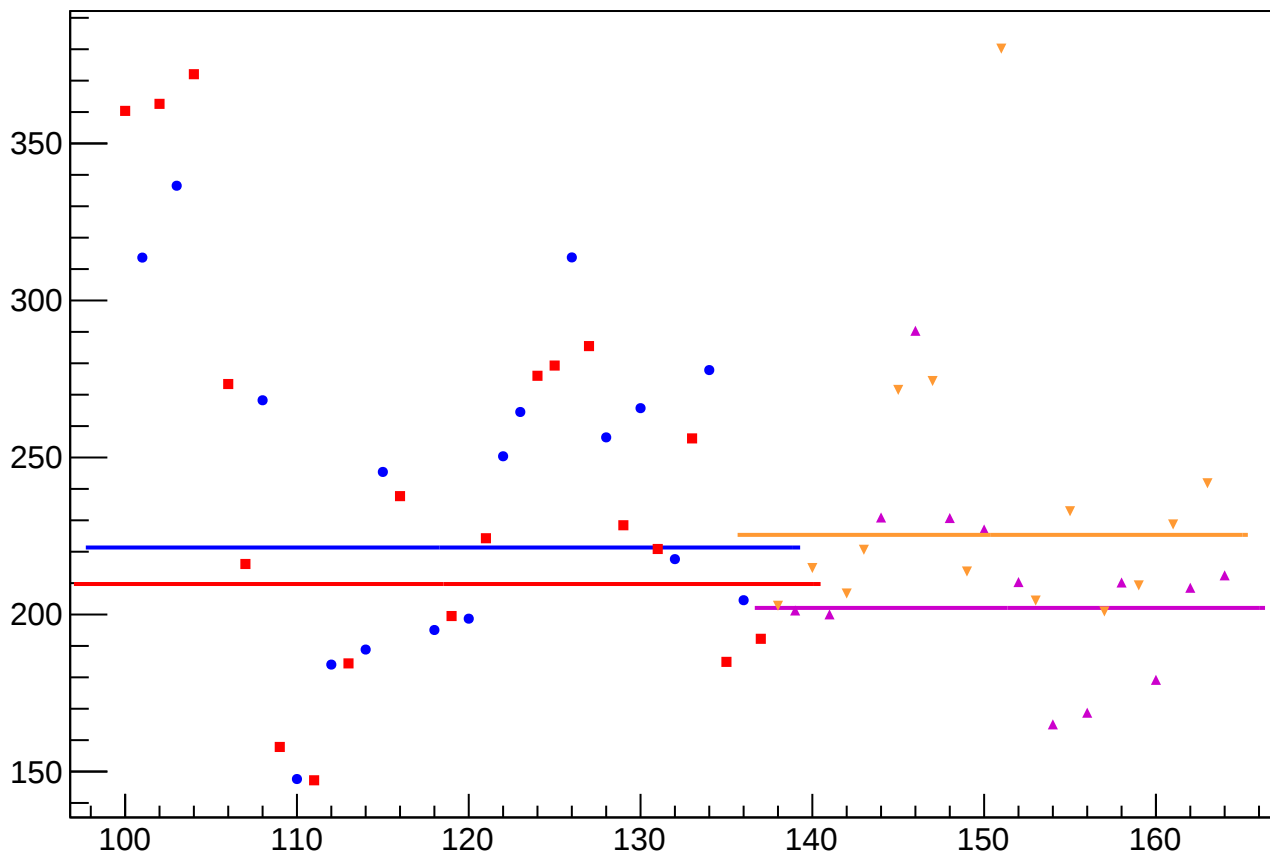
Right: -672.351 ± 60.290 $\chi^2/\text{NDF}: 734.7/35$

In: -557.545 ± 52.364 $\chi^2/\text{NDF}: 1802.0/29$

Out: -211.686 ± 53.748 $\chi^2/\text{NDF}: 1326.7/32$

All: -389.124 ± 37.507 $\chi^2/\text{NDF}: 3149.9/62$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342+/-0.063 χ^2/NDF : 645688.1/16

Left Out: 225.364+/-0.050 χ^2/NDF : 435866.7/13

Right Out: 209.717+/-0.058 χ^2/NDF : 883917.7/18

Left In: 202.105+/-0.046 χ^2/NDF : 395549.0/12

Left: 212.691+/-0.034 χ^2/NDF : 948340.4/26

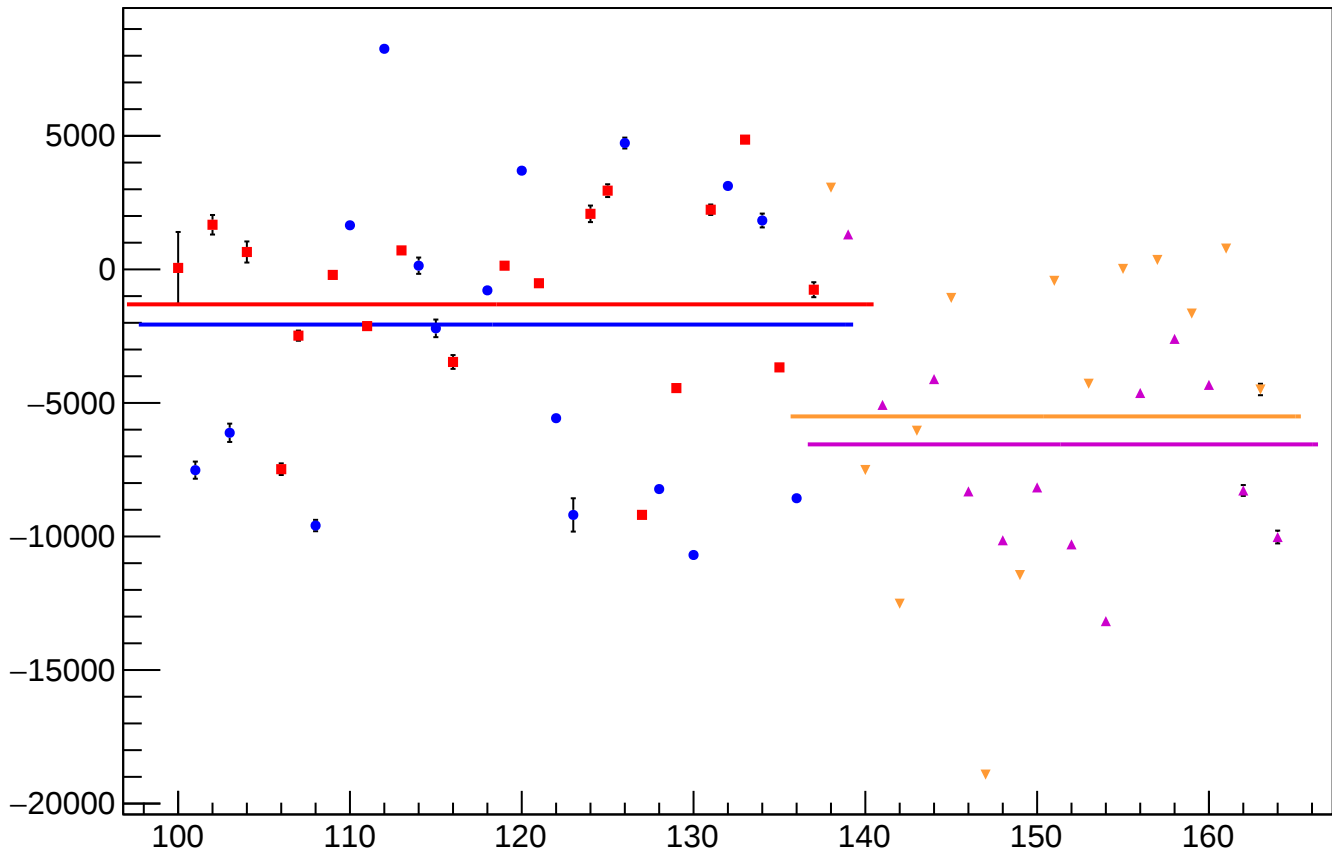
Right: 215.095+/-0.043 χ^2/NDF : 1548093.3/35

In: 208.818+/-0.037 χ^2/NDF : 1102565.1/29

Out: 218.681+/-0.038 χ^2/NDF : 1361263.5/32

All: 213.621+/-0.027 χ^2/NDF : 2498382.8/62

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 +/- 47.322 χ^2/NDF : 16533.3/16

Left Out: -5504.459 +/- 38.476 χ^2/NDF : 28162.0/13

Right Out: -1308.512 +/- 45.001 χ^2/NDF : 5894.4/18

Left In: -6551.895 +/- 39.417 χ^2/NDF : 8962.2/12

Left: -6015.524 +/- 27.534 χ^2/NDF : 37485.8/26

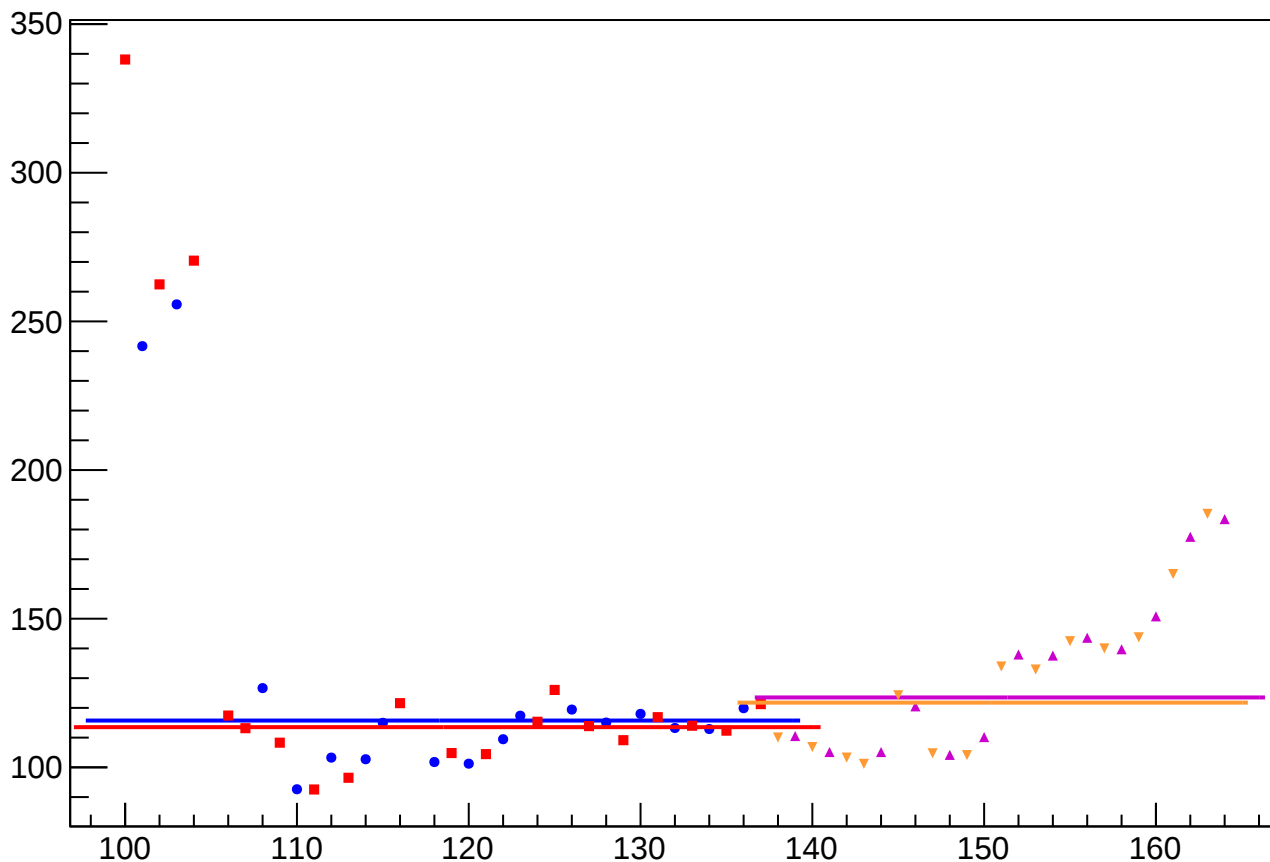
Right: -1667.825 +/- 32.610 χ^2/NDF : 22561.9/35

In: -4714.040 +/- 30.287 χ^2/NDF : 30802.7/29

Out: -3732.455 +/- 29.244 χ^2/NDF : 39078.7/32

All: -4206.060 +/- 21.038 χ^2/NDF : 70425.0/62

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 $\chi^2/\text{NDF}: 744017.7/16$

Left Out: 121.768 ± 0.027 $\chi^2/\text{NDF}: 617493.4/13$

Right Out: 113.519 ± 0.032 $\chi^2/\text{NDF}: 796640.6/18$

Left In: 123.514 ± 0.028 $\chi^2/\text{NDF}: 604912.3/12$

Left: 122.620 ± 0.019 $\chi^2/\text{NDF}: 1224414.4/26$

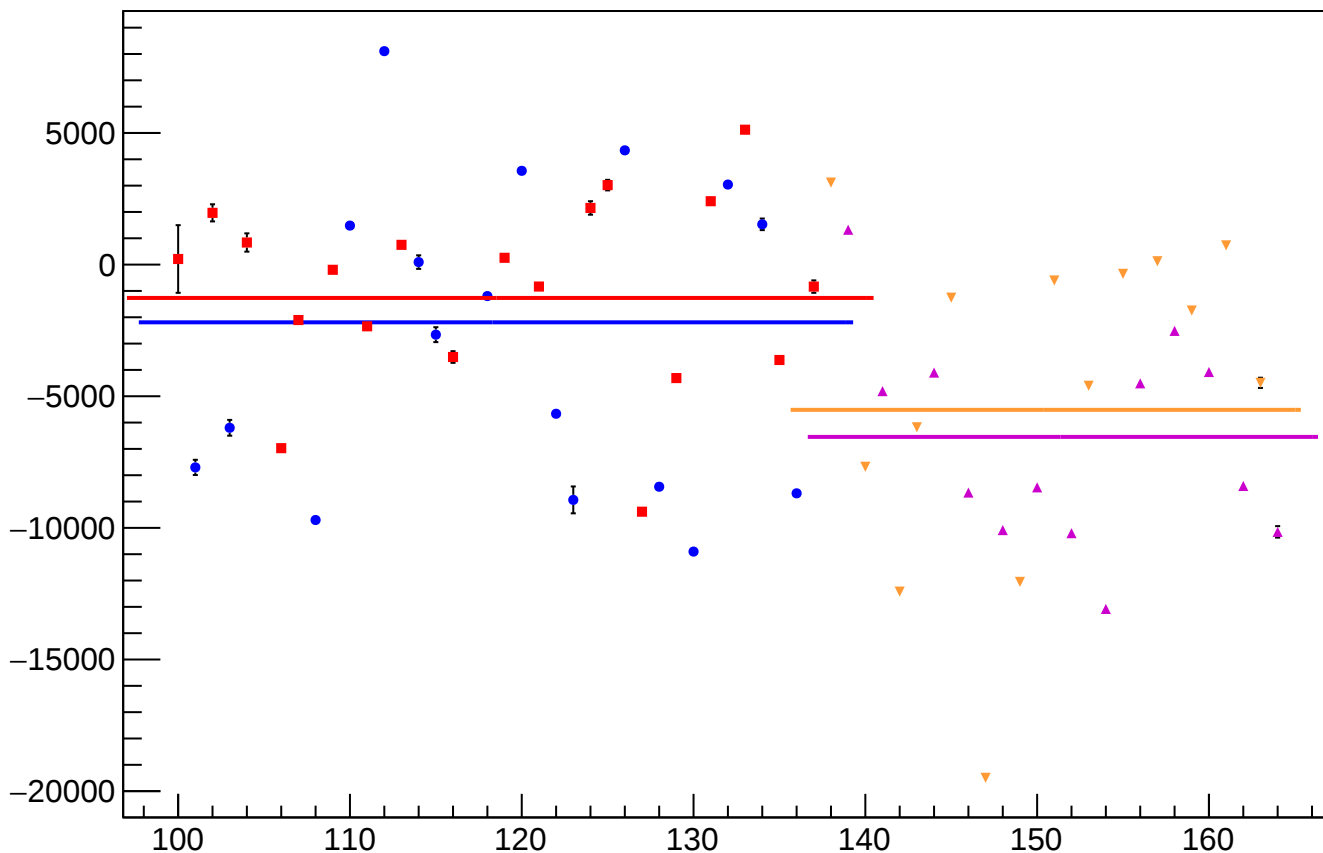
Right: 114.574 ± 0.023 $\chi^2/\text{NDF}: 1542972.7/35$

In: 120.330 ± 0.021 $\chi^2/\text{NDF}: 1380787.8/29$

Out: 118.284 ± 0.021 $\chi^2/\text{NDF}: 1452955.0/32$

All: 119.271 ± 0.015 $\chi^2/\text{NDF}: 2838462.7/62$

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2192.327 $\pm$ 39.944 χ^2/NDF : 22813.5/16

Left Out: -5516.425 $\pm$ 34.815 χ^2/NDF : 34228.5/13

Right Out: -1266.189 $\pm$ 38.048 χ^2/NDF : 8550.5/18

Left In: -6544.073 $\pm$ 36.103 χ^2/NDF : 11202.0/12

Left: -6011.588 $\pm$ 25.061 χ^2/NDF : 45850.3/26

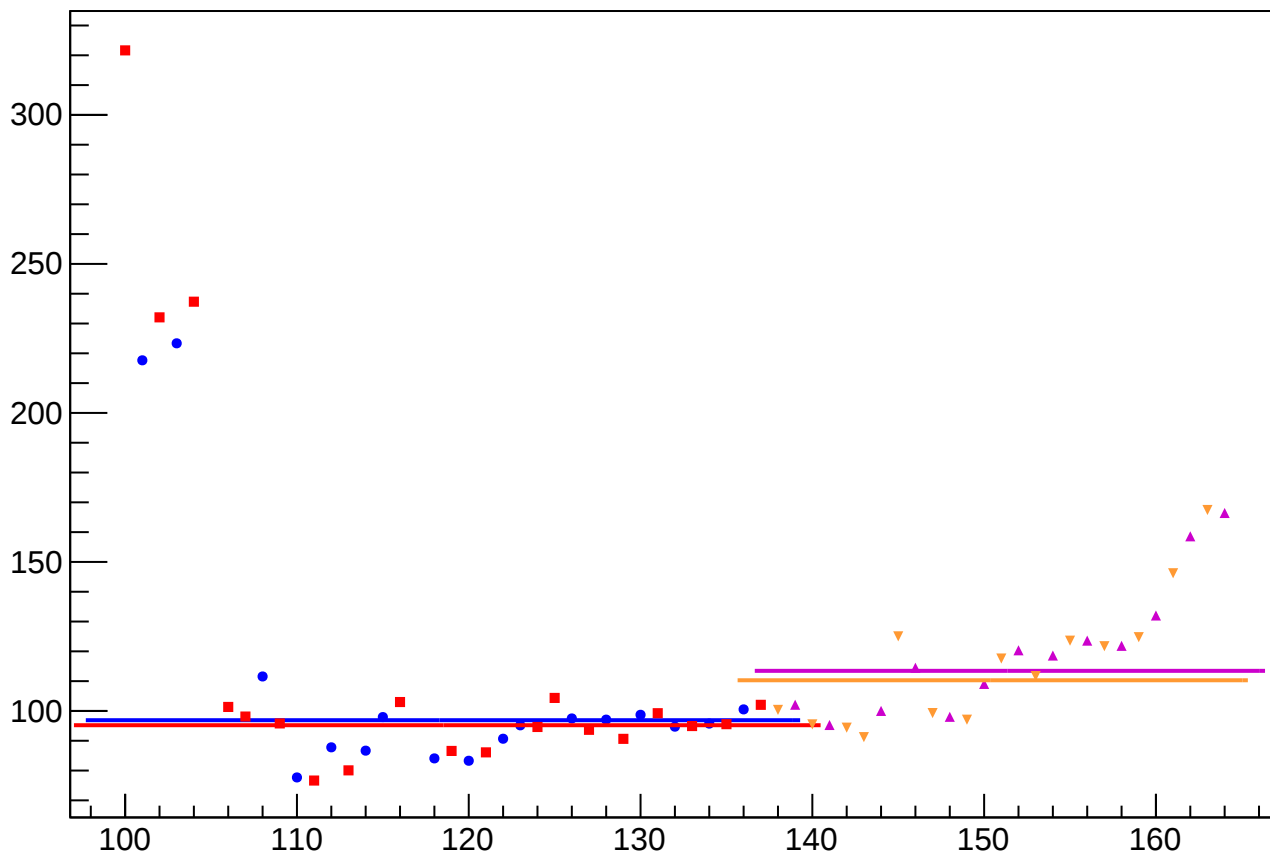
Right: -1706.759 $\pm$ 27.550 χ^2/NDF : 31645.9/35

In: -4587.421 $\pm$ 26.784 χ^2/NDF : 40548.1/29

Out: -3579.528 $\pm$ 25.685 χ^2/NDF : 49570.8/32

All: -4062.372 $\pm$ 18.538 χ^2/NDF : 90856.6/62

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 96.894 ± 0.028 $\chi^2/\text{NDF}: 817229.9/16$

Left Out: 110.295 ± 0.025 $\chi^2/\text{NDF}: 526750.1/13$

Right Out: 95.213 ± 0.027 $\chi^2/\text{NDF}: 859809.7/18$

Left In: 113.459 ± 0.026 $\chi^2/\text{NDF}: 447435.3/12$

Left: 111.819 ± 0.018 $\chi^2/\text{NDF}: 982145.0/26$

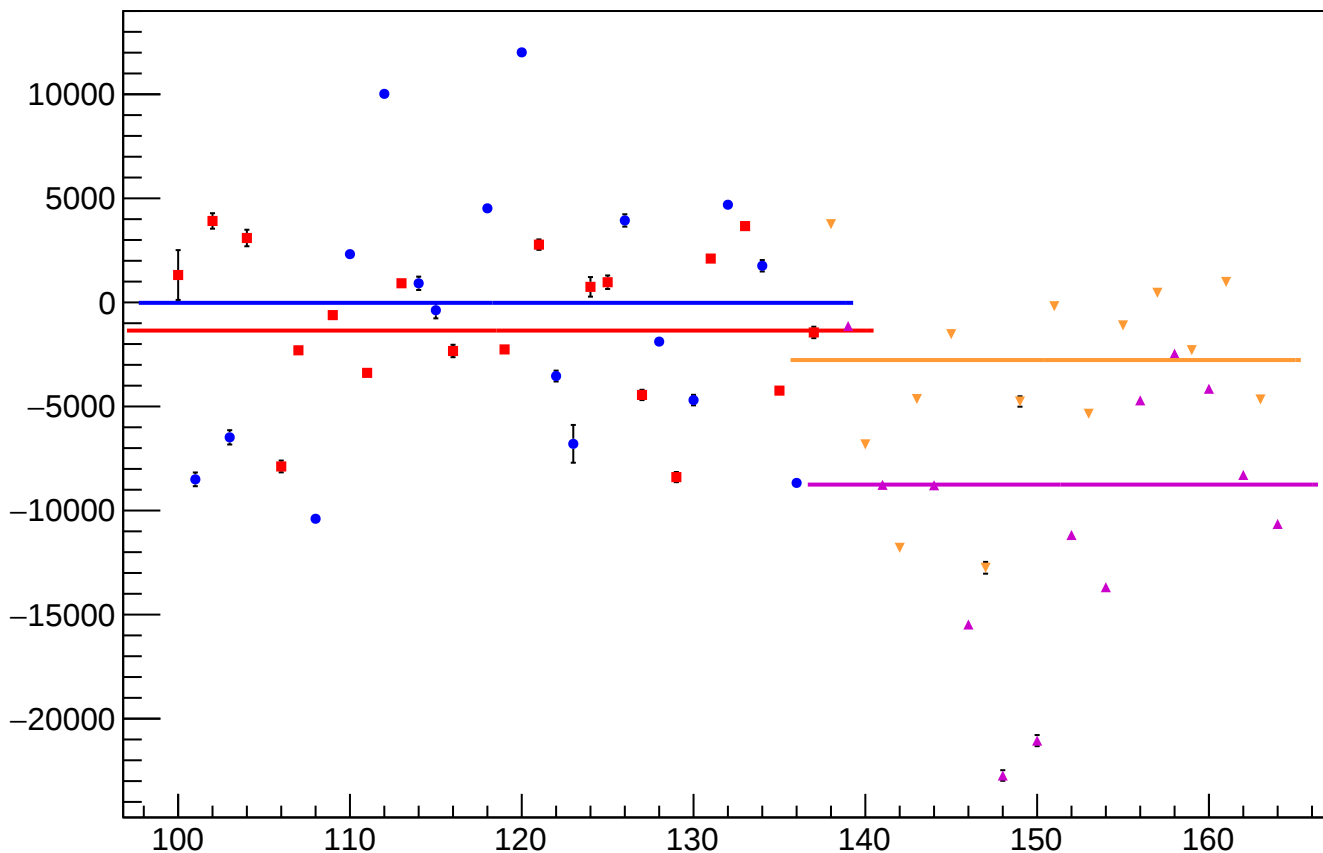
Right: 96.013 ± 0.019 $\chi^2/\text{NDF}: 1678895.4/35$

In: 106.011 ± 0.019 $\chi^2/\text{NDF}: 1453966.3/29$

Out: 103.422 ± 0.018 $\chi^2/\text{NDF}: 1557581.9/32$

All: 104.662 ± 0.013 $\chi^2/\text{NDF}: 3021281.8/62$

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: -8753.420 ± 51.649 $\chi^2/\text{NDF}: 12018.8/12$

Left: -5621.509 ± 35.658 $\chi^2/\text{NDF}: 25750.2/26$

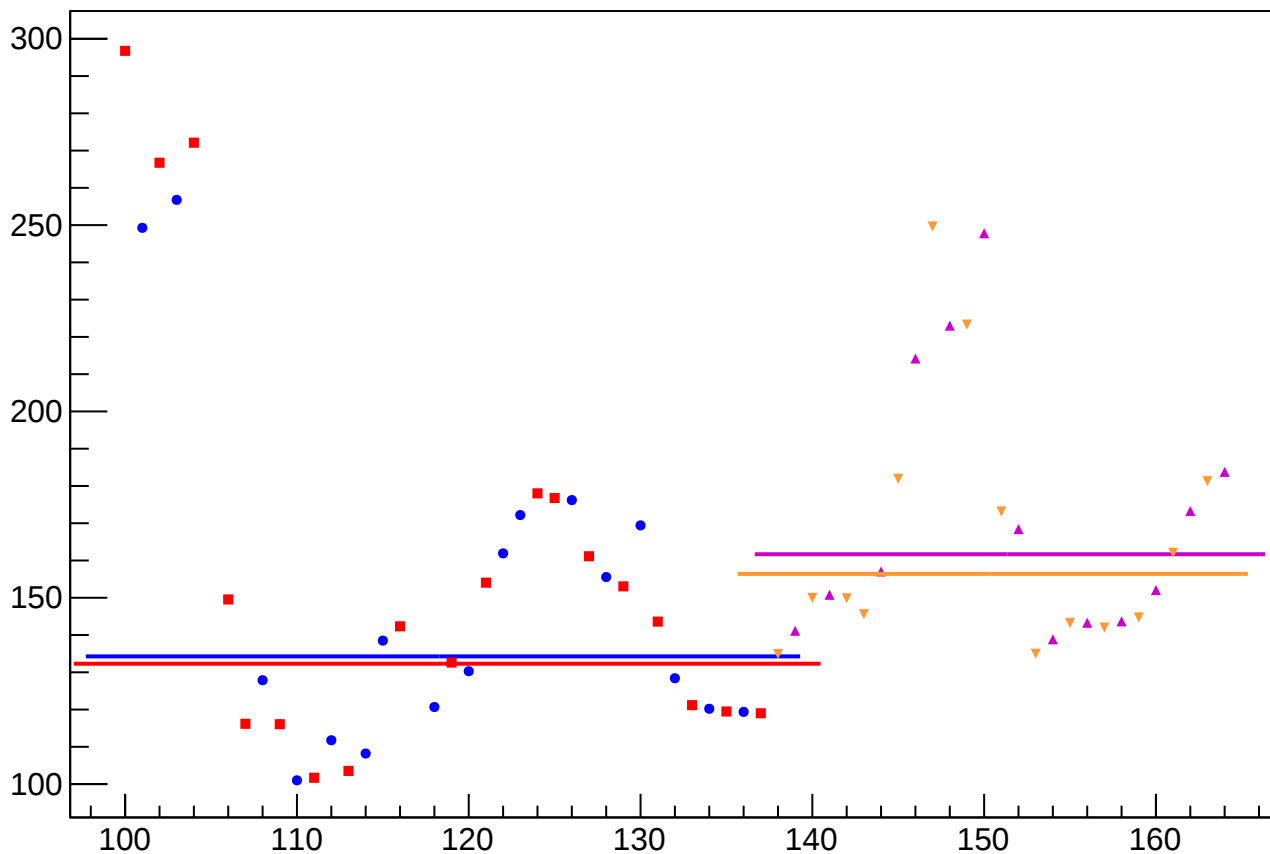
Right: -715.084 ± 37.808 $\chi^2/\text{NDF}: 20508.6/35$

In: -4632.547 ± 37.535 $\chi^2/\text{NDF}: 41871.0/29$

Out: -2104.229 ± 35.891 $\chi^2/\text{NDF}: 10930.6/32$

All: -3311.801 ± 25.941 $\chi^2/\text{NDF}: 55171.8/62$

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: 161.683 $\pm$ 0.037 χ^2 /NDF: 588336.5/12

Left: 158.922 $\pm$ 0.025 χ^2 /NDF: 1161834.4/26

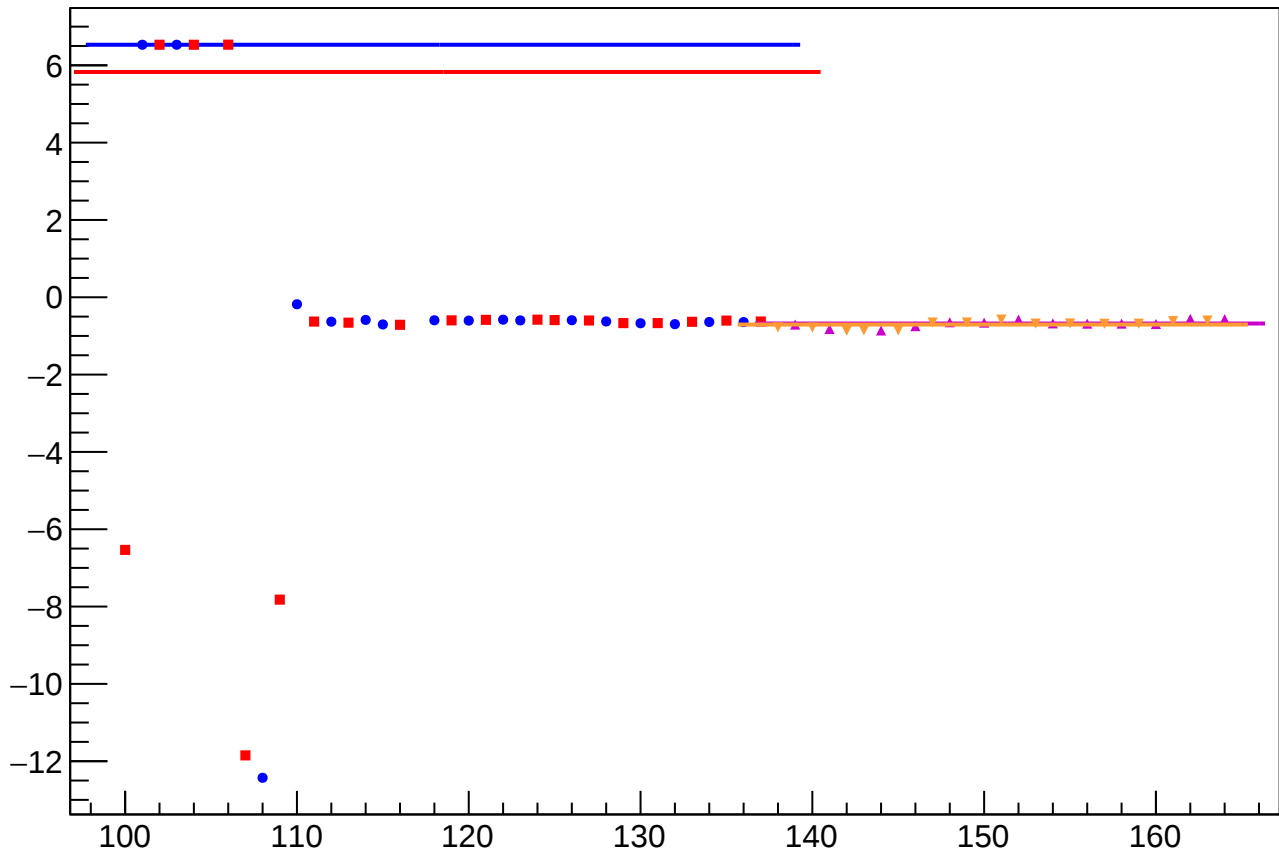
Right: 133.243 $\pm$ 0.027 χ^2 /NDF: 1659888.5/35

In: 148.747 $\pm$ 0.027 χ^2 /NDF: 1642881.1/29

Out: 145.084 $\pm$ 0.025 χ^2 /NDF: 1657168.2/32

All: 146.834 $\pm$ 0.018 χ^2 /NDF: 3310001.6/62

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.706+/-0.000 χ^2/NDF : 93995052.8/13

Right Out: 5.827+/-0.000 χ^2/NDF : 755948646460090.5/18

Left In: -0.678+/-0.000 χ^2/NDF : 84903387.2/12

Left: -0.692+/-0.000 χ^2/NDF : 182379117.2/26

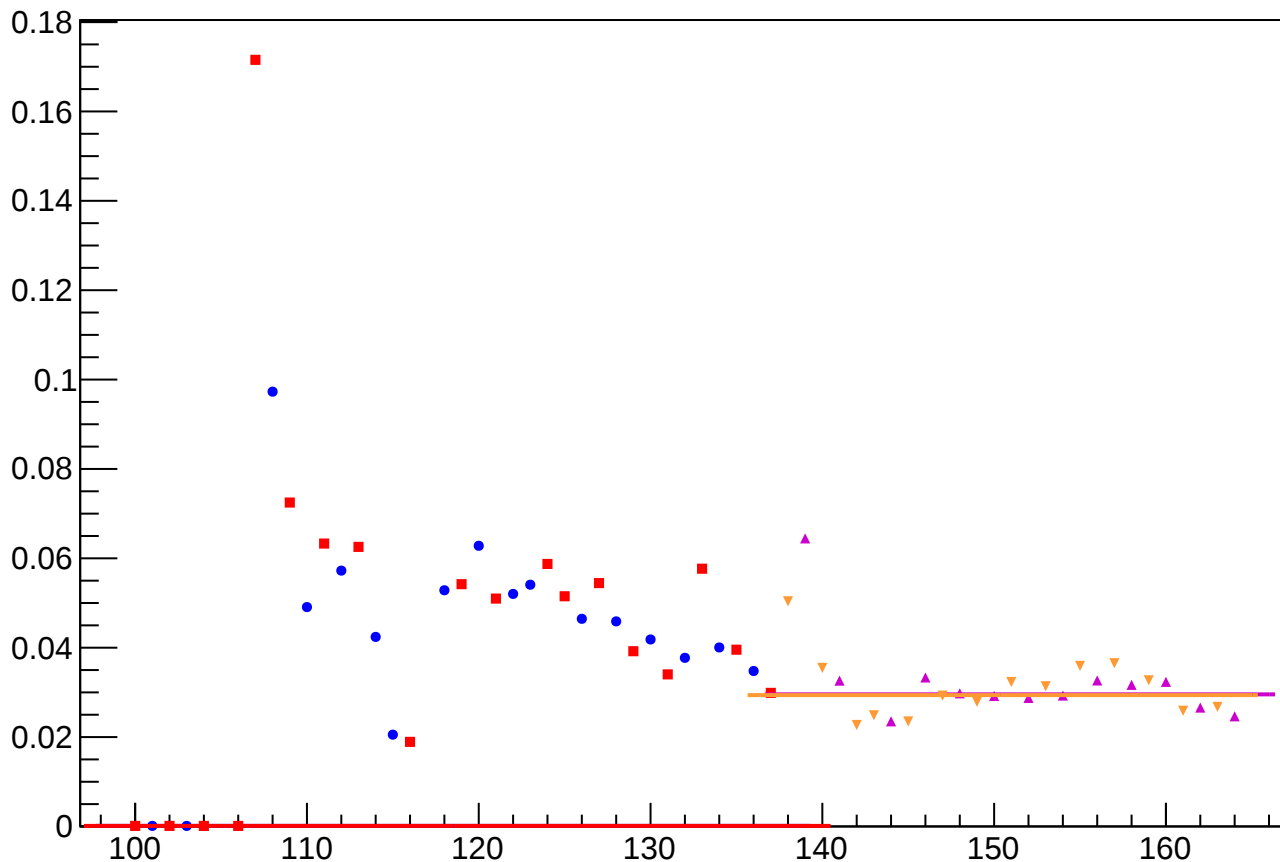
Right: 6.155+/-0.000 χ^2/NDF : 776079822212880.5/16

In: 6.531+/-0.000 χ^2/NDF : 615899818162.2/29

Out: 5.827+/-0.000 χ^2/NDF : 756356995019091.1/30

All: 6.154+/-0.000 χ^2/NDF : 77696842606215

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 : 578970.3/12

Left: 0.029+/-0.000 χ^2/NDF : 1141207.7/26

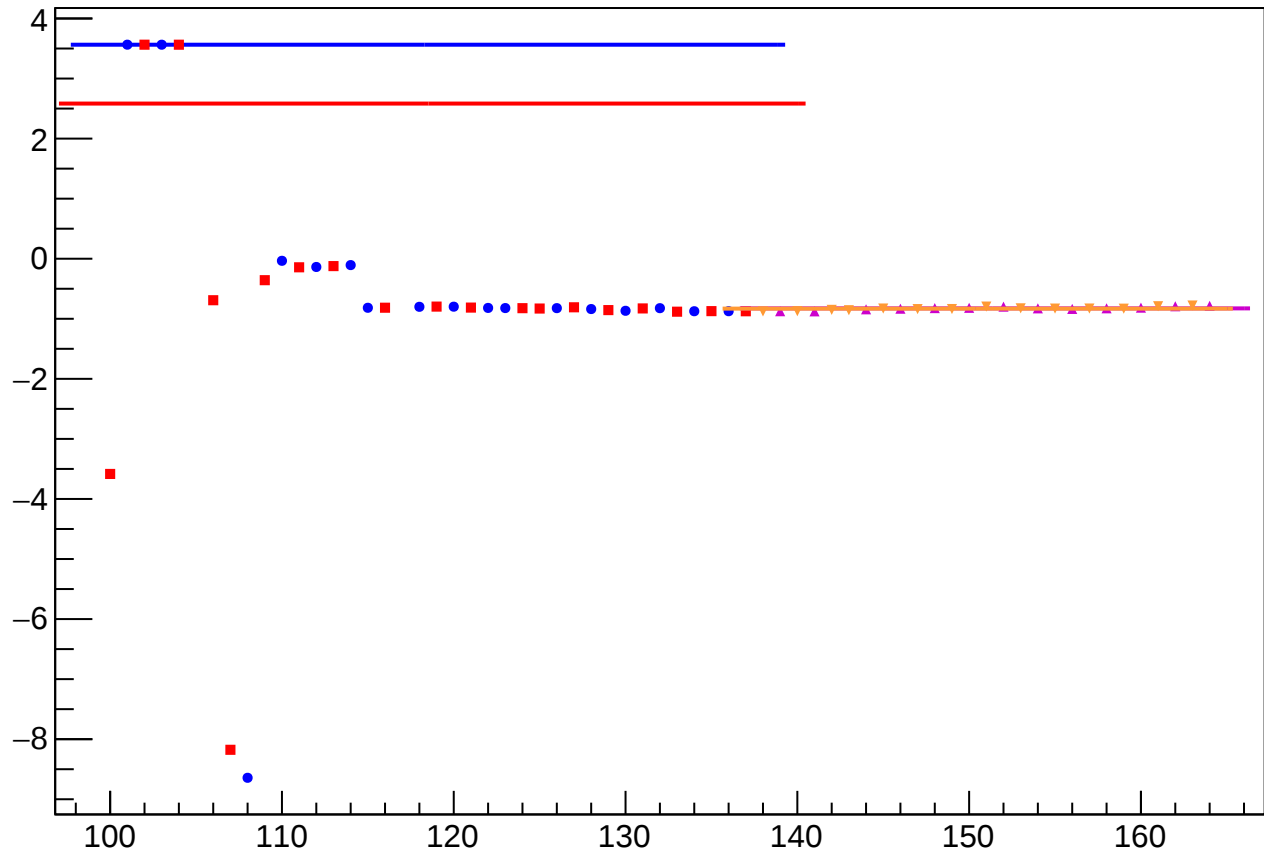
Right: 0.000+/-0.000 χ^2/NDF : 18402211.3/35

In: 0.000+/-0.000 χ^2/NDF : 25867122.6/29

Out: 0.000+/-0.000 χ^2/NDF : 26321021.8/32

All: 0.000+/-0.000 χ^2/NDF : 52188533.2/62

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: -0.827+/-0.000 χ^2/NDF : 90317119.8/12

Left: -0.829+/-0.000 χ^2/NDF : 192491187.5/26

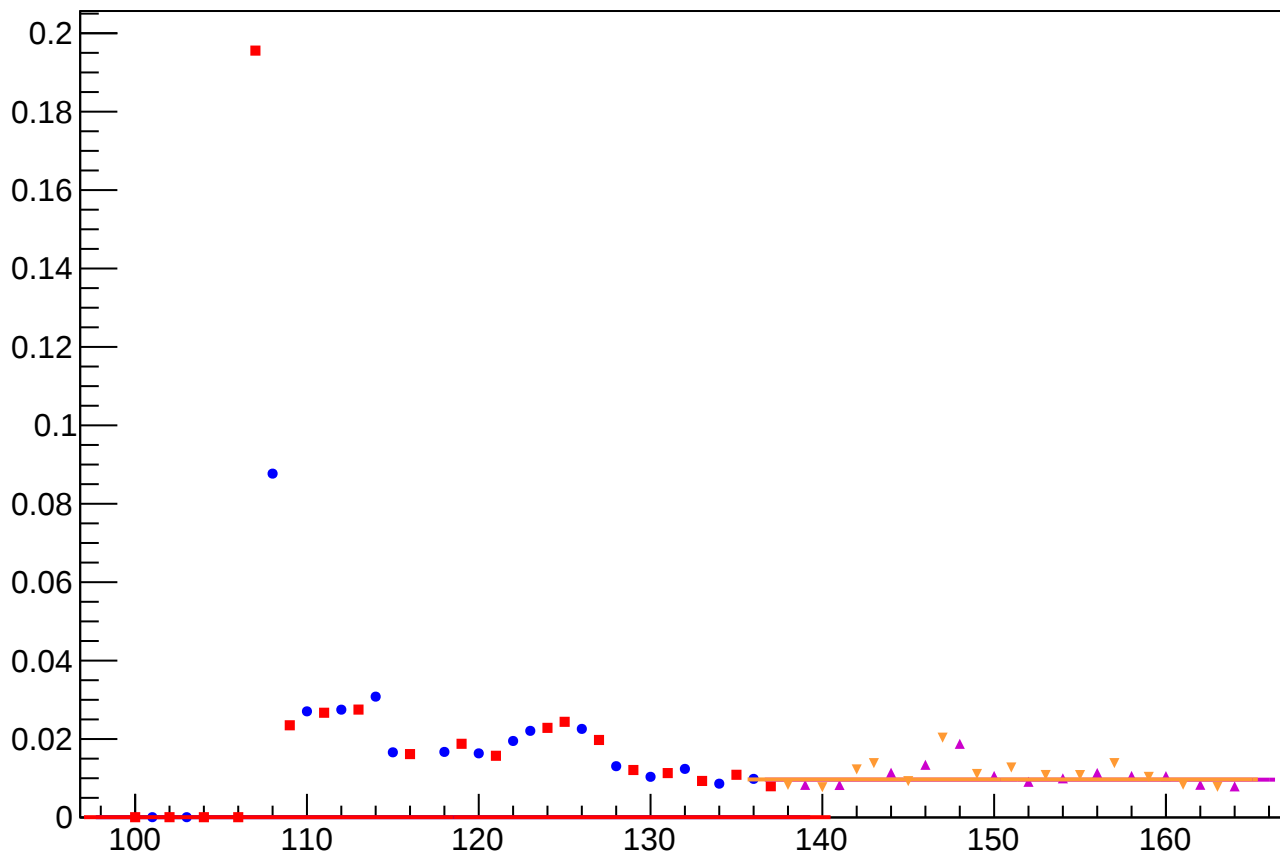
Right: 3.040+/-0.000 χ^2/NDF : 1382263247622324.7

In: 3.562+/-0.000 χ^2/NDF : 2147783829620.9/29

Out: 2.582+/-0.000 χ^2/NDF : 1254498436719428.0

All: 3.039+/-0.000 χ^2/NDF : 13848286904990

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 :672153.9/12

Left: 0.010+/-0.000 χ^2/NDF : 1638066.8/26

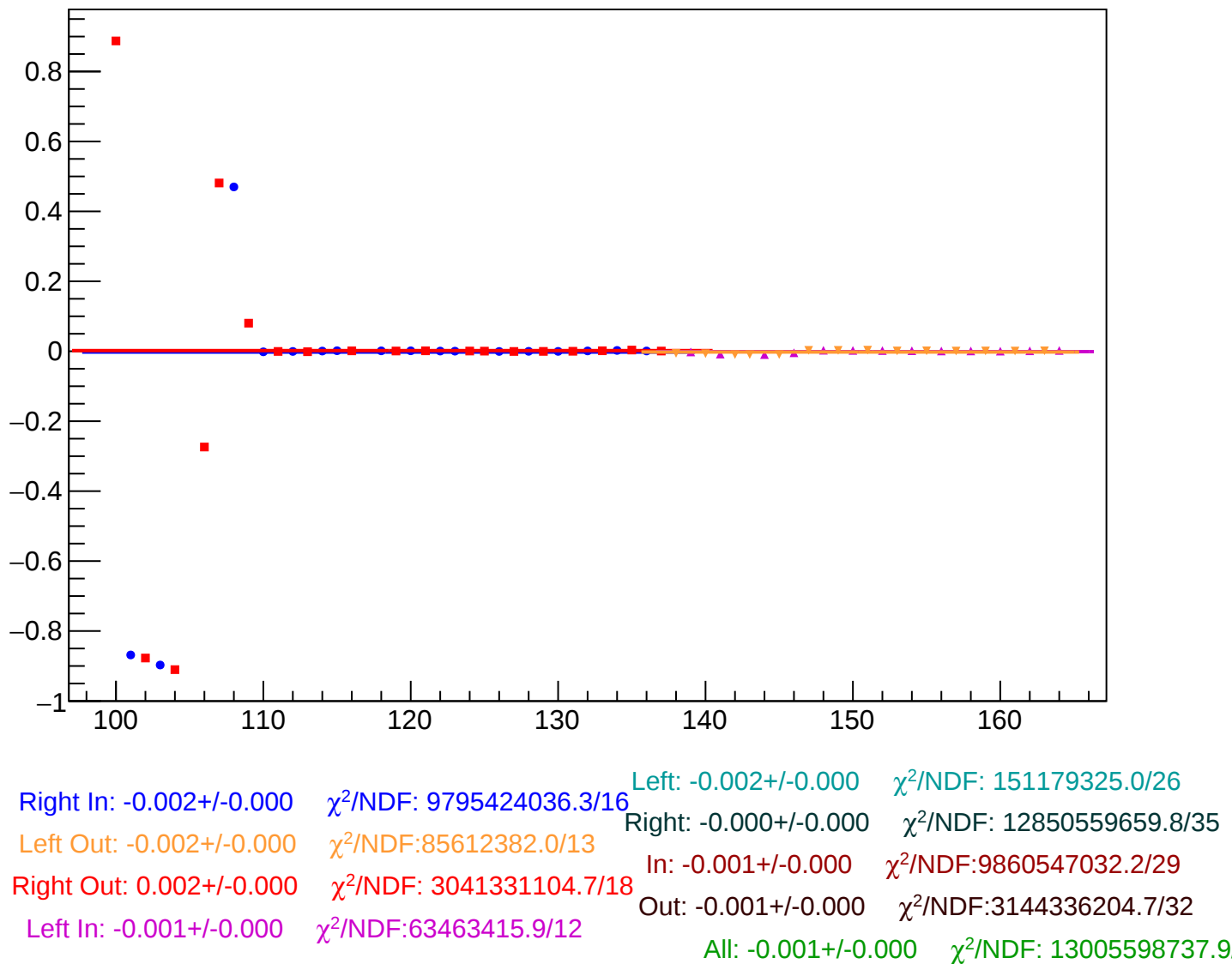
Right: 0.000+/-0.000 χ^2/NDF : 19728618.4/35

In: 0.000+/-0.000 χ^2/NDF :26295197.0/29

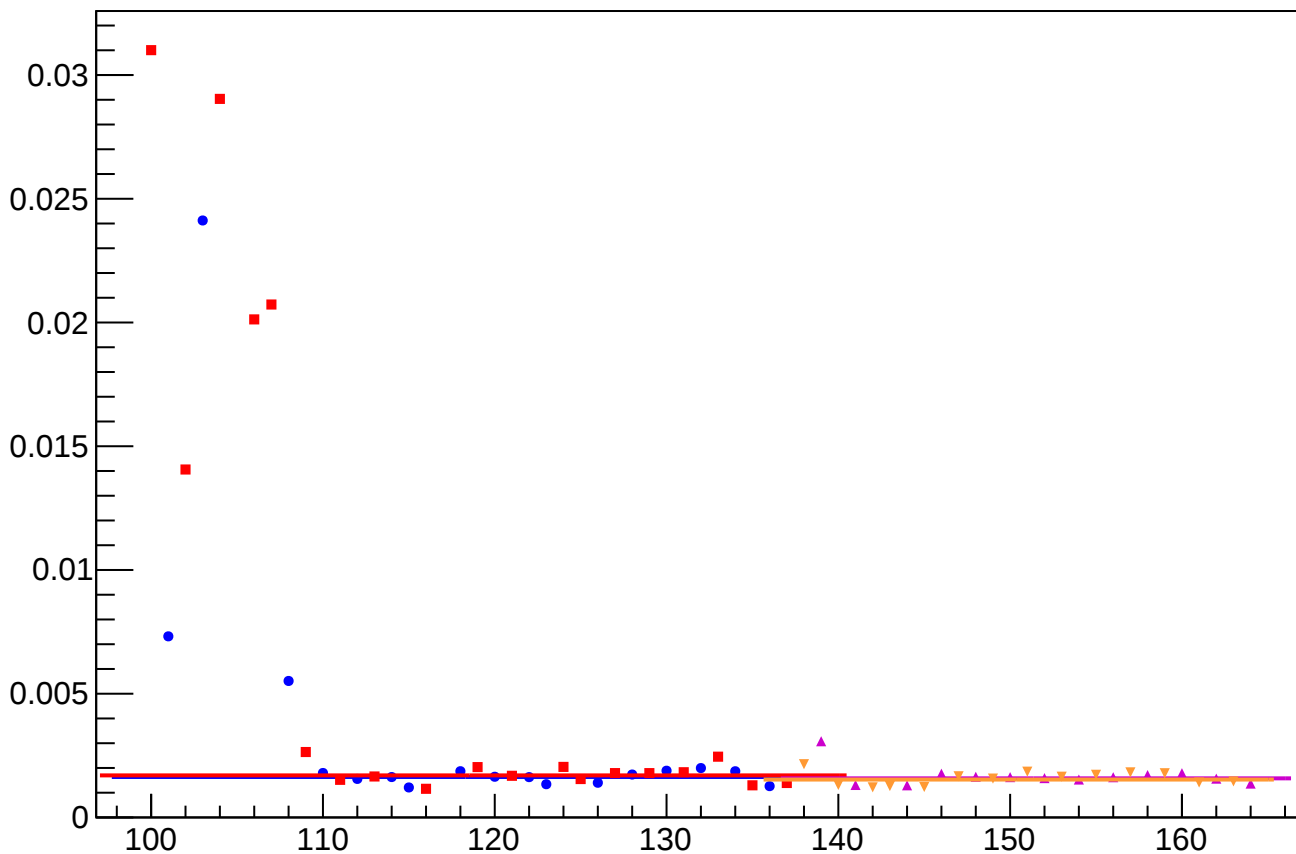
Out: 0.000+/-0.000 χ^2/NDF :26635181.3/32

All: 0.000+/-0.000 χ^2/NDF : 52930945.9/62

yield_cav4cX_mean vs Slug, Sign Corrected



yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1919127.9/16

Left Out: 0.002+/-0.000 χ^2/NDF : 417809.2/13

Right Out: 0.002+/-0.000 χ^2/NDF : 3025332.9/18

Left In: 0.002+/-0.000 χ^2/NDF : 497268.1/12

Left: 0.002+/-0.000 χ^2/NDF : 923088.7/26

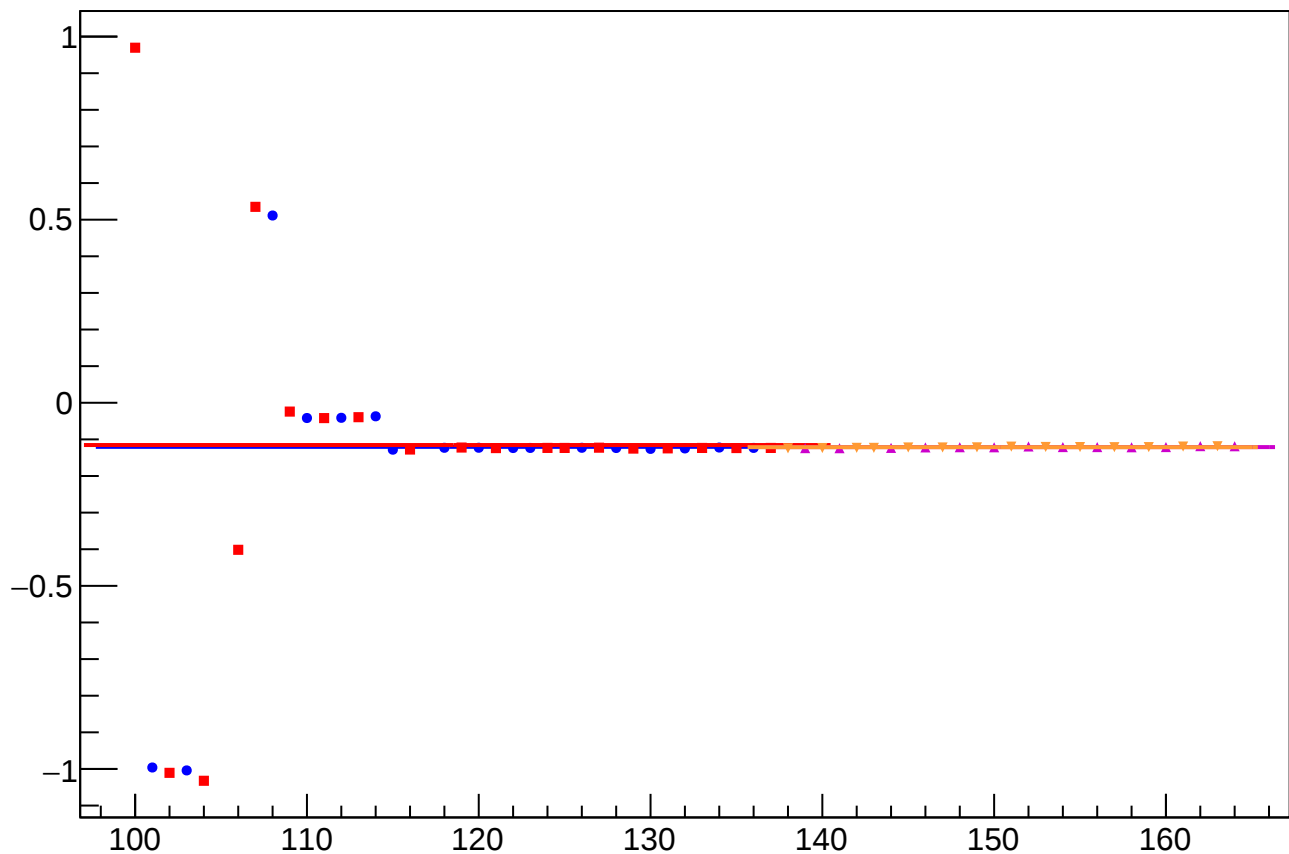
Right: 0.002+/-0.000 χ^2/NDF : 4950980.4/35

In: 0.002+/-0.000 χ^2/NDF : 2423437.6/29

Out: 0.002+/-0.000 χ^2/NDF : 3503786.8/32

All: 0.002+/-0.000 χ^2/NDF : 5928533.5/62

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 : 23691611.8/12

Left: -0.121+/-0.000 χ^2/NDF : 44388212.8/26

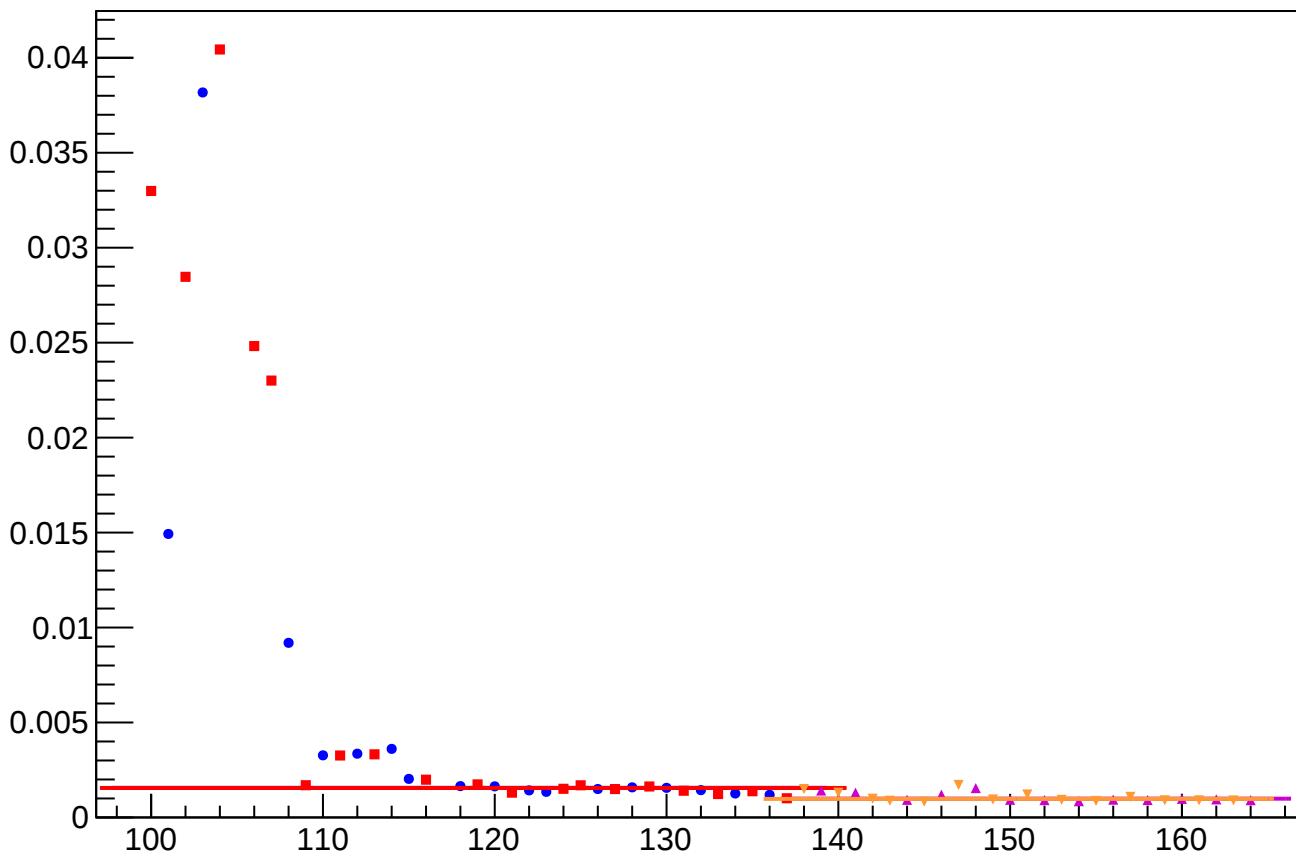
Right: -0.118+/-0.000 χ^2/NDF : 6412422727.1/35

In: -0.121+/-0.000 χ^2/NDF : 3956787620.5/29

Out: -0.120+/-0.000 χ^2/NDF : 2531977775.3/32

All: -0.121+/-0.000 χ^2/NDF : 6490851502.1/6

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 : 529768.9/12

Left: 0.001+/-0.000 χ^2/NDF : 1242676.1/26

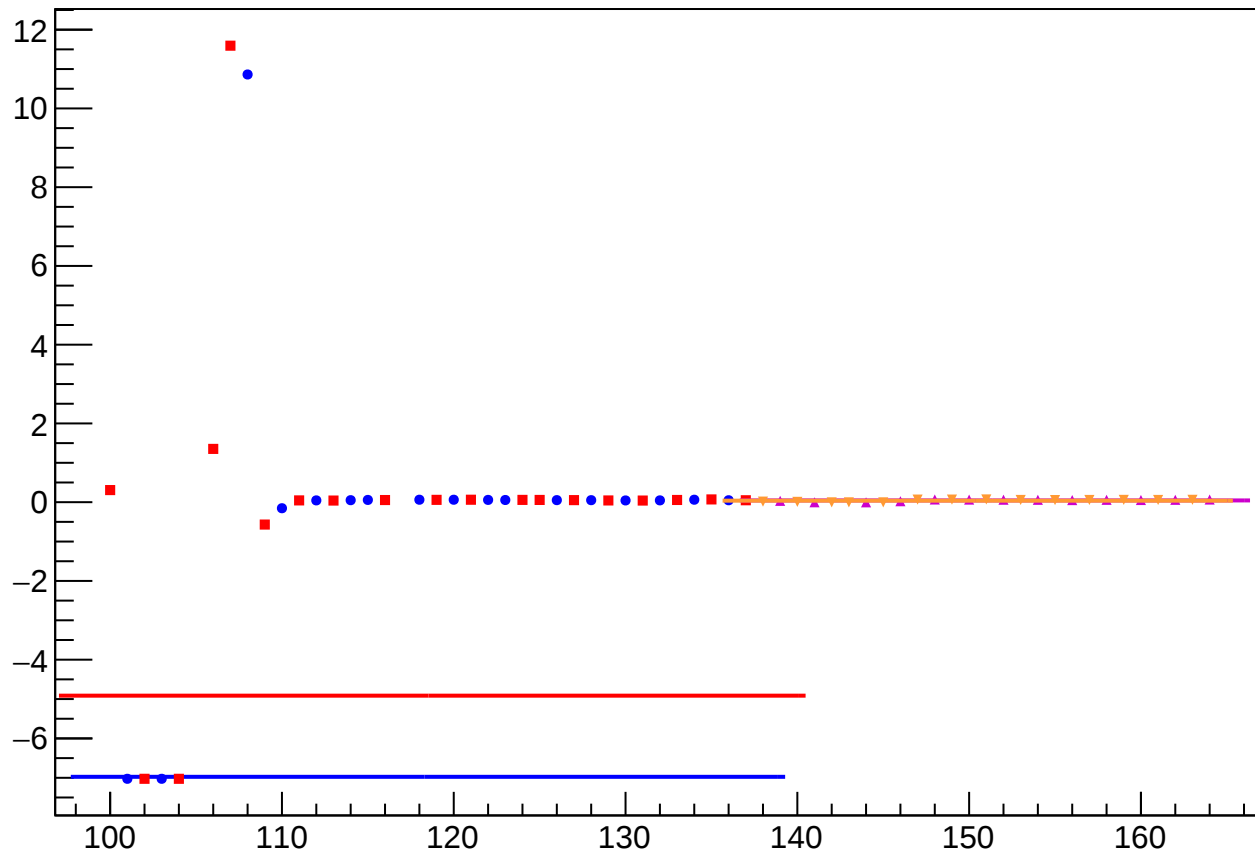
Right: 0.002+/-0.000 χ^2/NDF : 6442279.4/35

In: 0.001+/-0.000 χ^2/NDF : 4462763.2/29

Out: 0.001+/-0.000 χ^2/NDF : 5303296.0/32

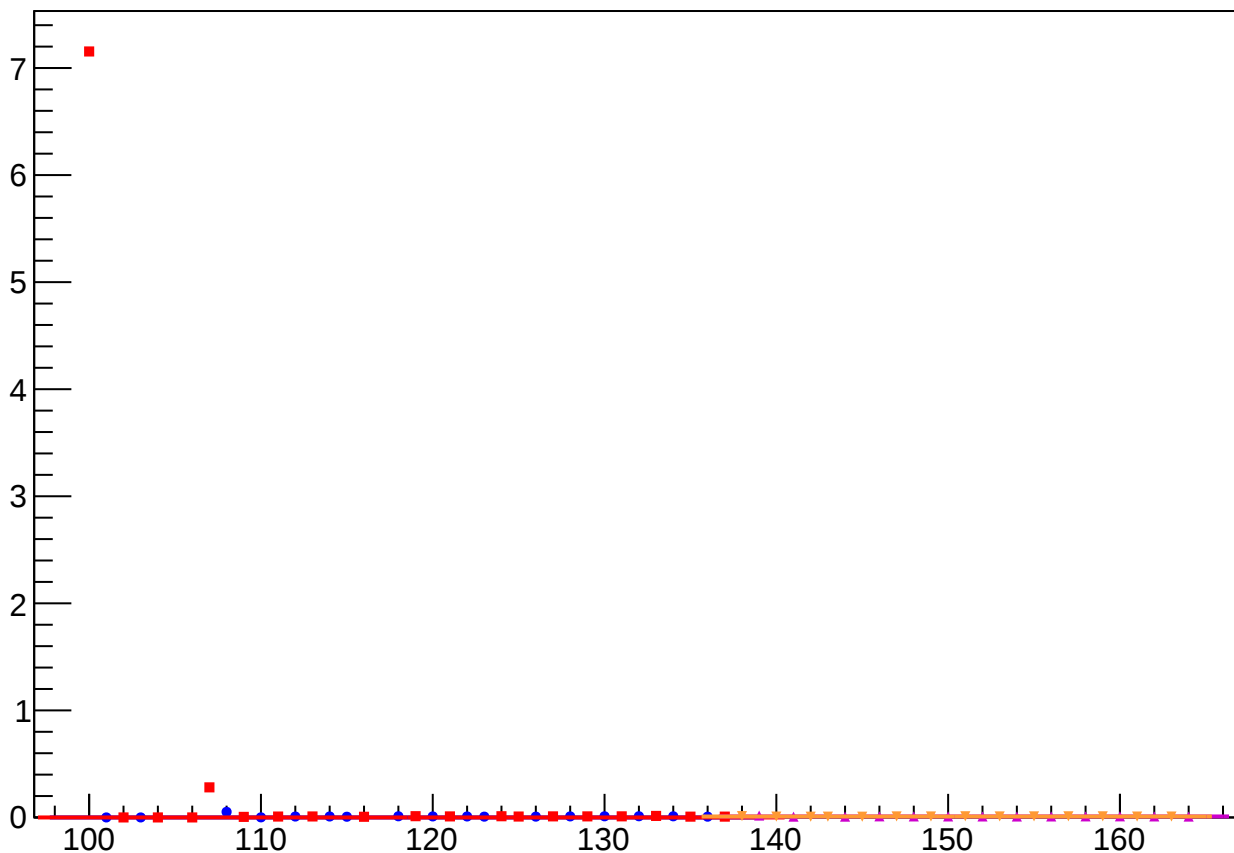
All: 0.001+/-0.000 χ^2/NDF : 9768074.5/62

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8787948713830.4/16$
 Left Out: 0.038 ± 0.000 $\chi^2/\text{NDF}: 87229469.6/13$
 Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365362215369689.4/18$
 Left In: 0.044 ± 0.000 $\chi^2/\text{NDF}: 70637390.1/12$
 Left: 0.041 ± 0.000 $\chi^2/\text{NDF}: 159644965.5/26$
 Right: -5.900 ± 0.000 $\chi^2/\text{NDF}: 430340247682327.9$
 In: -6.949 ± 0.000 $\chi^2/\text{NDF}: 13442310460045.9/29$
 Out: -4.896 ± 0.000 $\chi^2/\text{NDF}: 367827166909699.2/18$
 All: -5.878 ± 0.000 $\chi^2/\text{NDF}: 4372221012060.0$

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 : 492721.7/12

Left: 0.009+/-0.000 χ^2/NDF : 911312.5/26

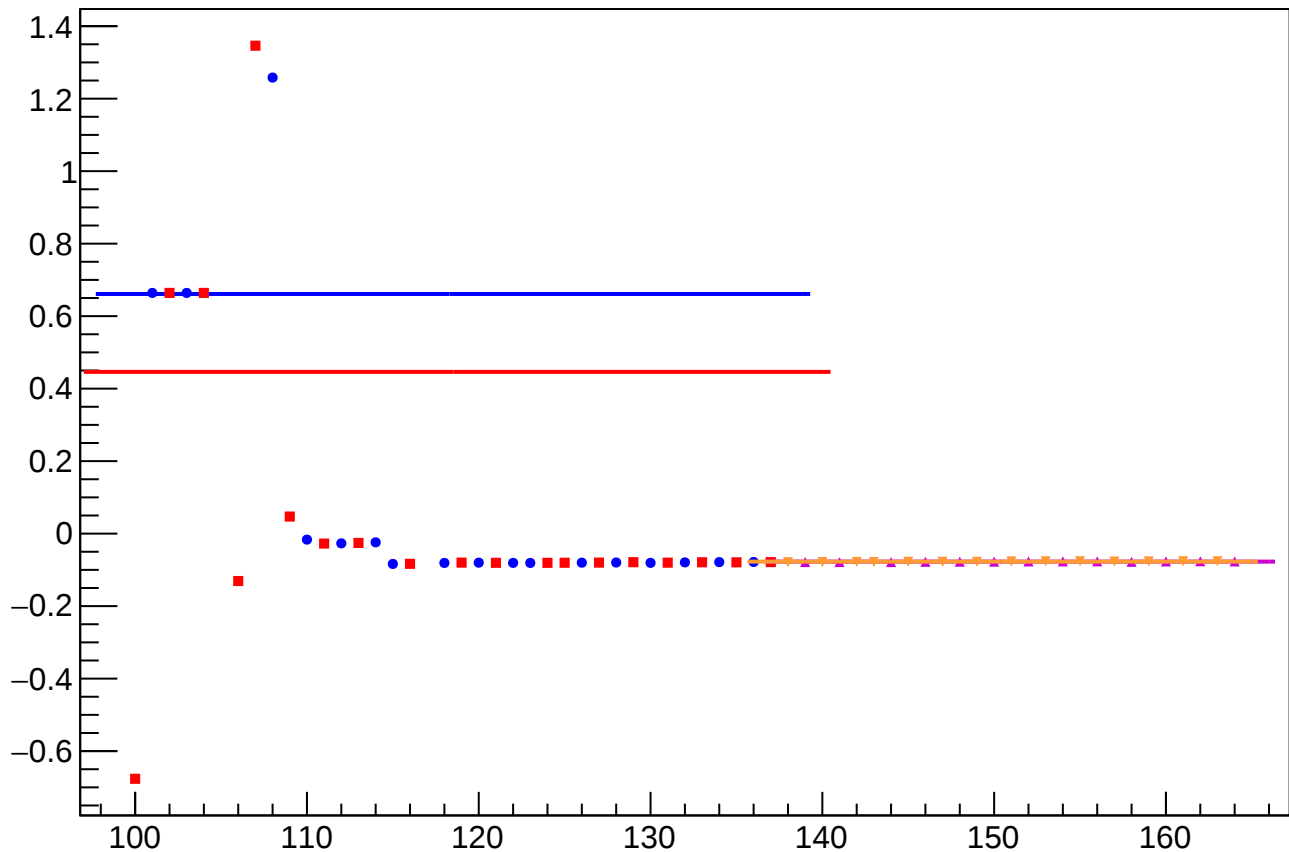
Right: 0.000+/-0.000 χ^2/NDF : 17165218.4/35

In: 0.000+/-0.000 χ^2/NDF : 24600035.4/29

Out: 0.000+/-0.000 χ^2/NDF : 24986122.4/32

All: 0.000+/-0.000 χ^2/NDF : 49586916.7/62

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 : 45428956.4/26

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 : 21664822033100.8/29

Out: 0.441+/-0.000

χ^2/NDF : 413649555015777.9/3

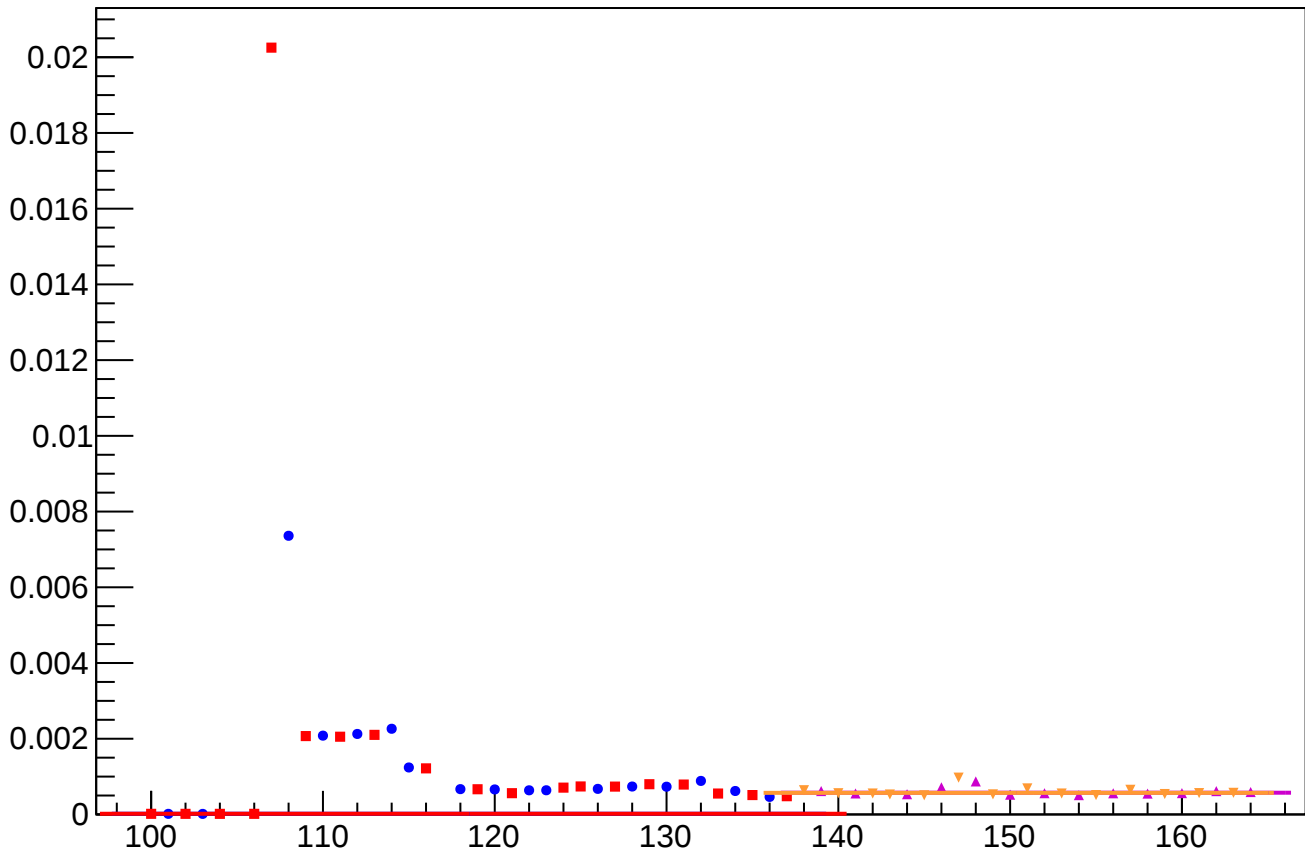
Left In: -0.077+/-0.000

χ^2/NDF : 19330788.5/12

All: 0.542+/-0.000

χ^2/NDF : 49726741750380

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 : 312489.5/12

Left: 0.001+/-0.000 χ^2/NDF : 719877.4/26

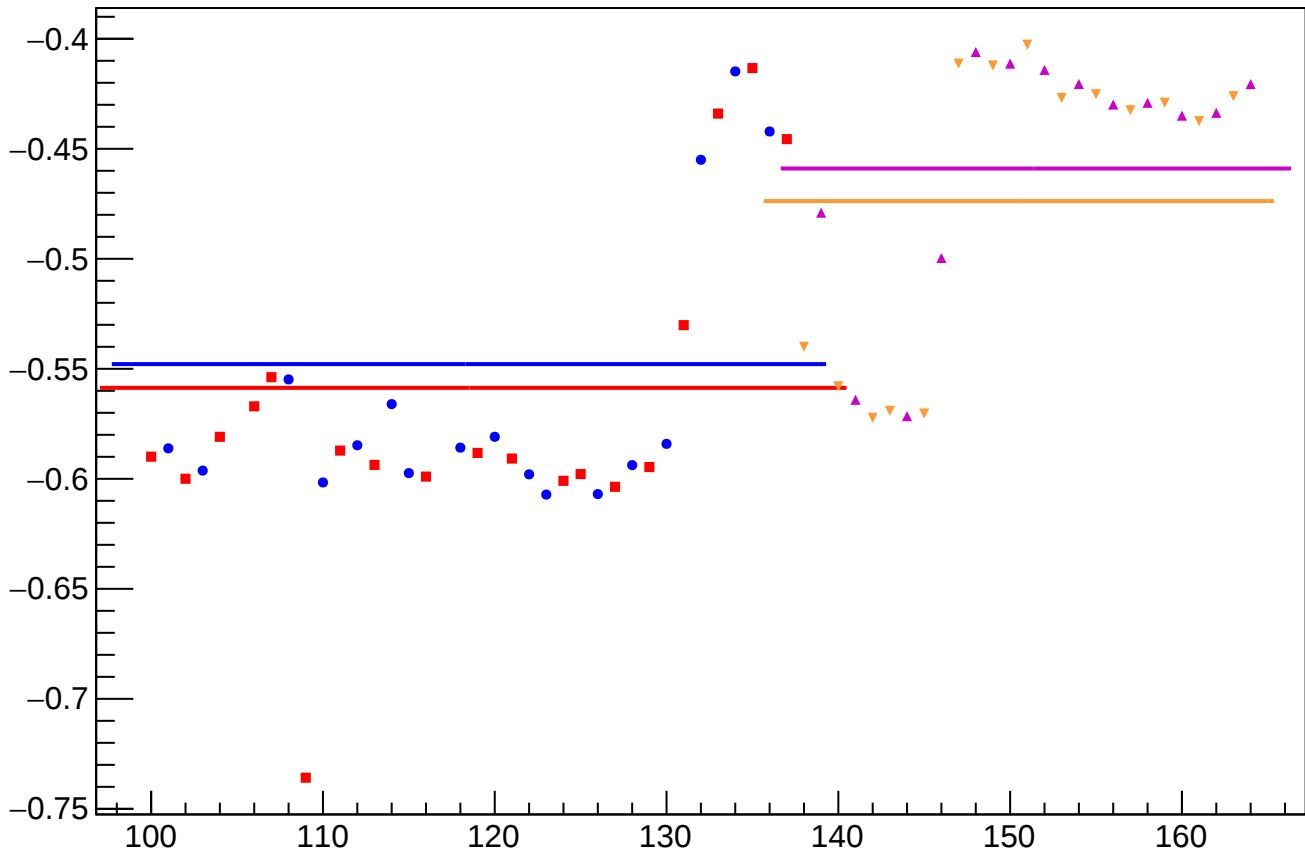
Right: 0.000+/-0.000 χ^2/NDF : 19497828.7/35

In: 0.000+/-0.000 χ^2/NDF : 28429172.4/29

Out: 0.000+/-0.000 χ^2/NDF : 28211768.7/32

All: 0.000+/-0.000 χ^2/NDF : 56641703.3/62

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: -0.459+/-0.000 χ^2/NDF : 71243884.5/12

Left: -0.467+/-0.000 χ^2/NDF : 169619500.7/26

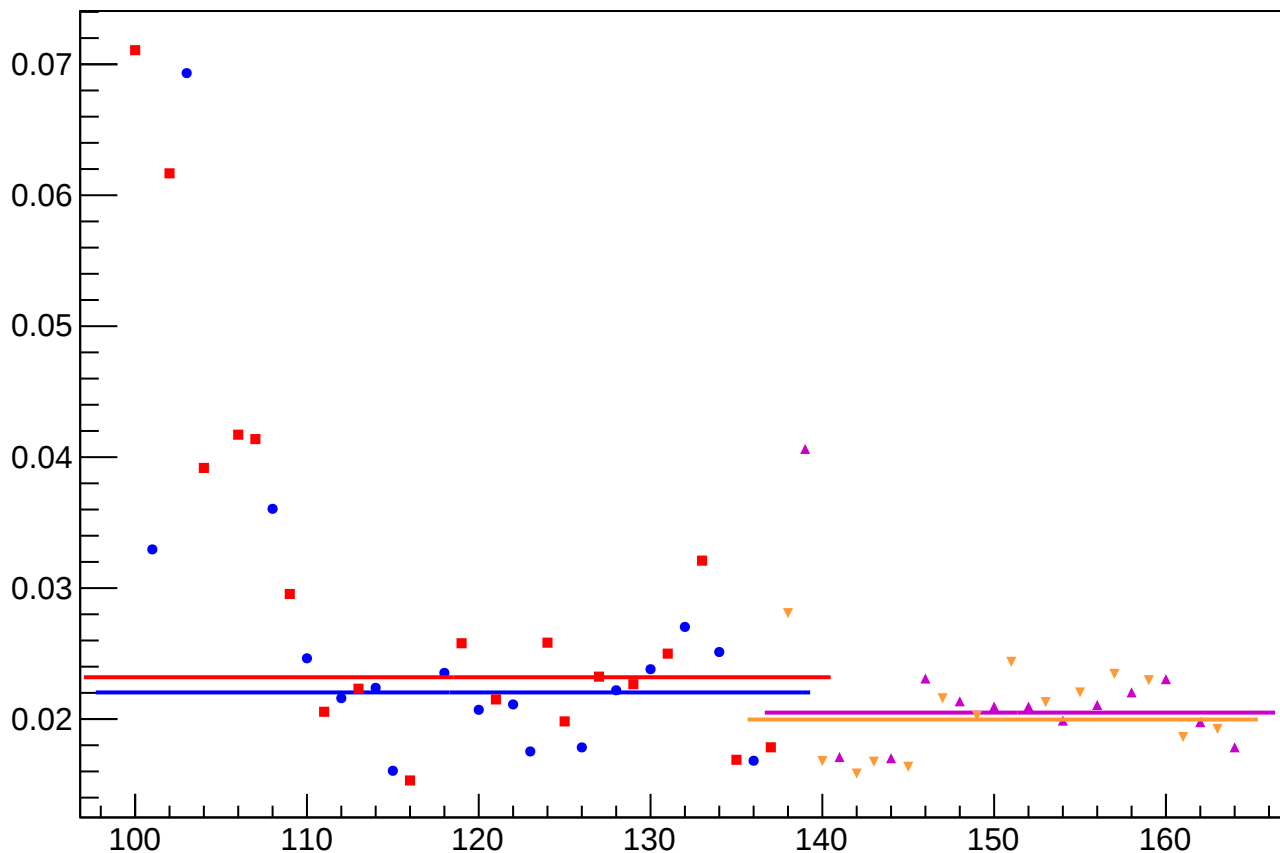
Right: -0.553+/-0.000 χ^2/NDF : 114857155.8/35

In: -0.490+/-0.000 χ^2/NDF : 173817568.0/29

Out: -0.501+/-0.000 χ^2/NDF : 210091740.1/32

All: -0.496+/-0.000 χ^2/NDF : 385826015.6/62

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: 0.020+/-0.000 χ^2/NDF : 498714.9/12

Left: 0.020+/-0.000 χ^2/NDF : 896320.0/26

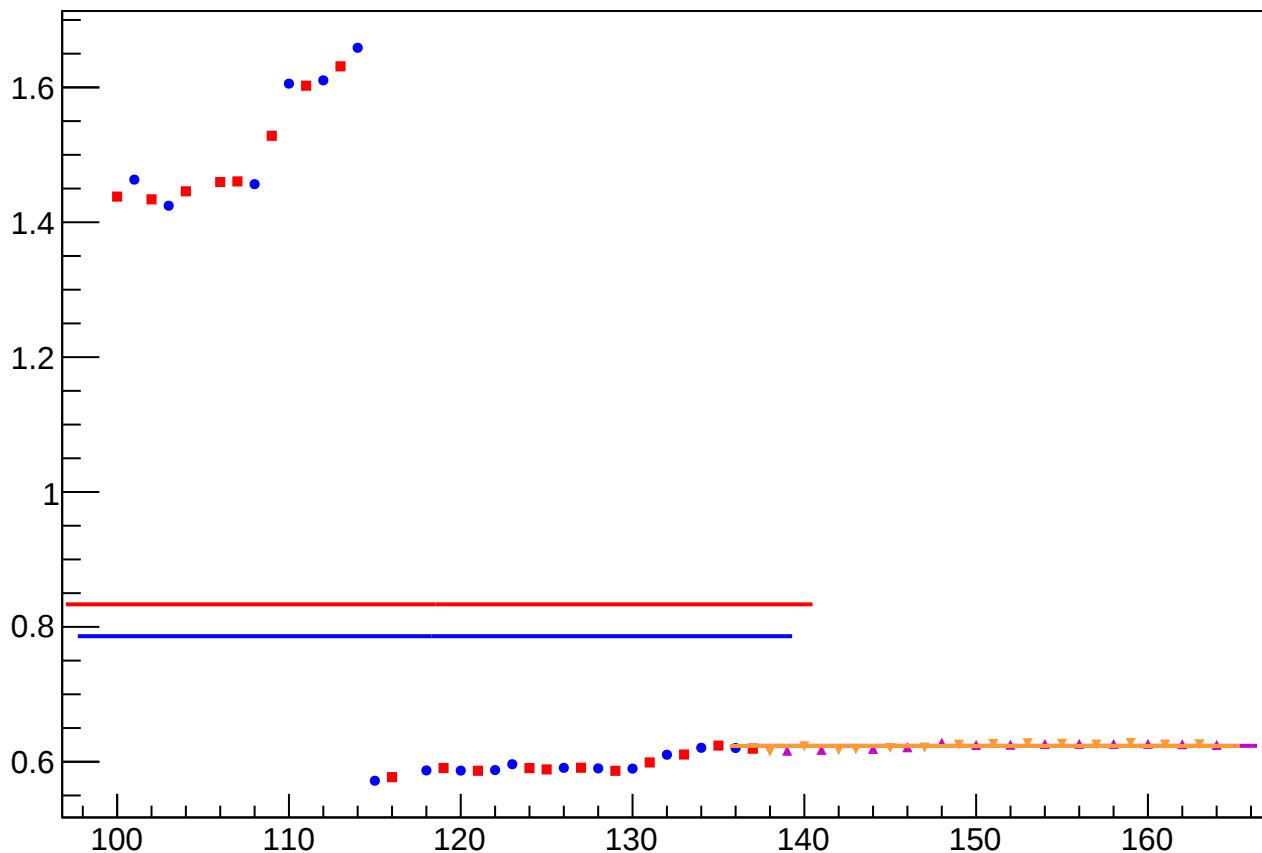
Right: 0.023+/-0.000 χ^2/NDF : 2129689.2/35

In: 0.021+/-0.000 χ^2/NDF : 1490066.0/29

Out: 0.021+/-0.000 χ^2/NDF : 1688534.9/32

All: 0.021+/-0.000 χ^2/NDF : 3178612.0/62

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:878745.5/12

Left: 0.624 $\pm$ 0.000 χ^2 /NDF: 1900205.0/26

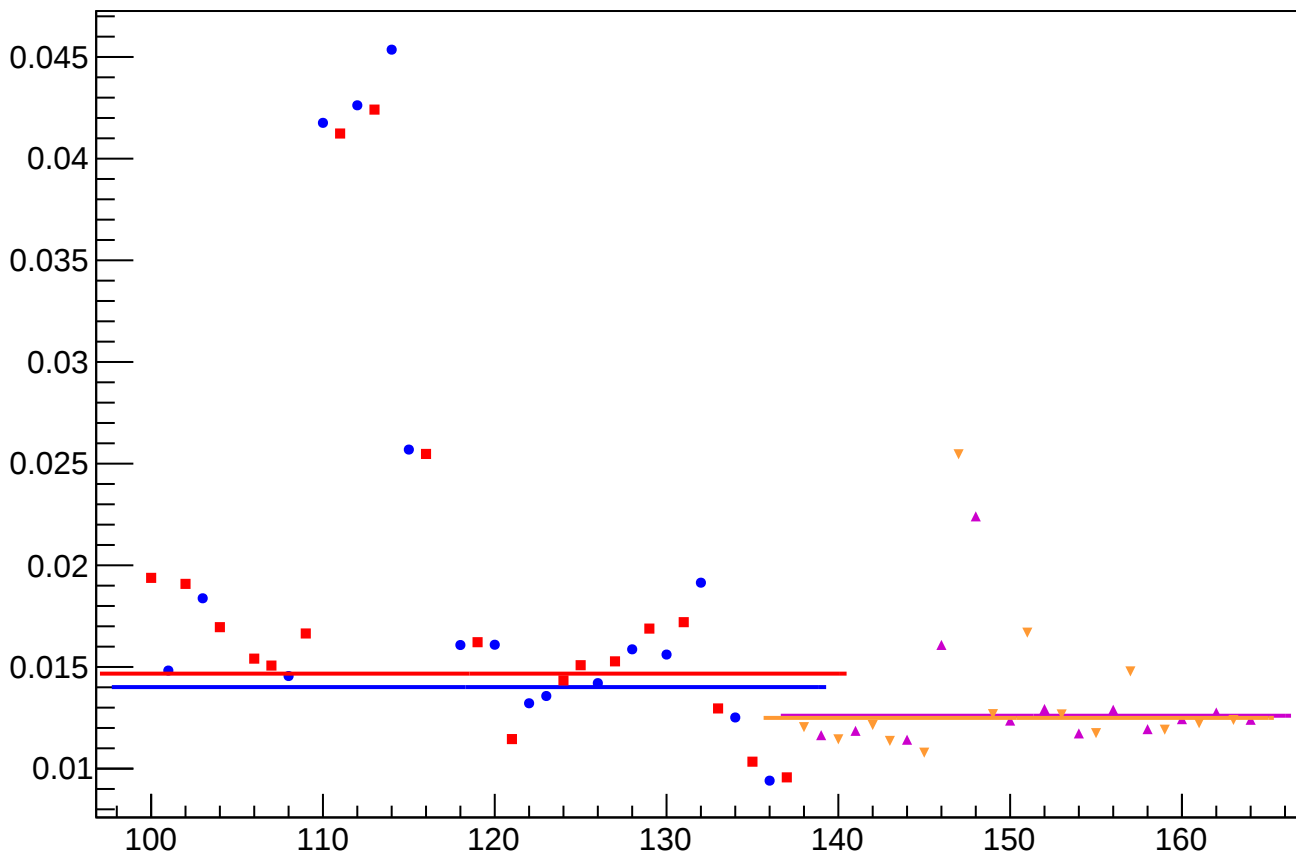
Right: 0.809 $\pm$ 0.000 χ^2 /NDF: 7778629767.1/35

In: 0.675 $\pm$ 0.000 χ^2 /NDF:4111649955.5/29

Out: 0.688 $\pm$ 0.000 χ^2 /NDF:5011829290.6/32

All: 0.682 $\pm$ 0.000 χ^2 /NDF: 9130407579.9/62

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1404865.3/16

Left Out: 0.012+/-0.000 χ^2/NDF :588417.4/13

Right Out: 0.015+/-0.000 χ^2/NDF : 1263462.0/18

Left In: 0.013+/-0.000 χ^2/NDF :409559.6/12

Left: 0.013+/-0.000 χ^2/NDF : 998683.4/26

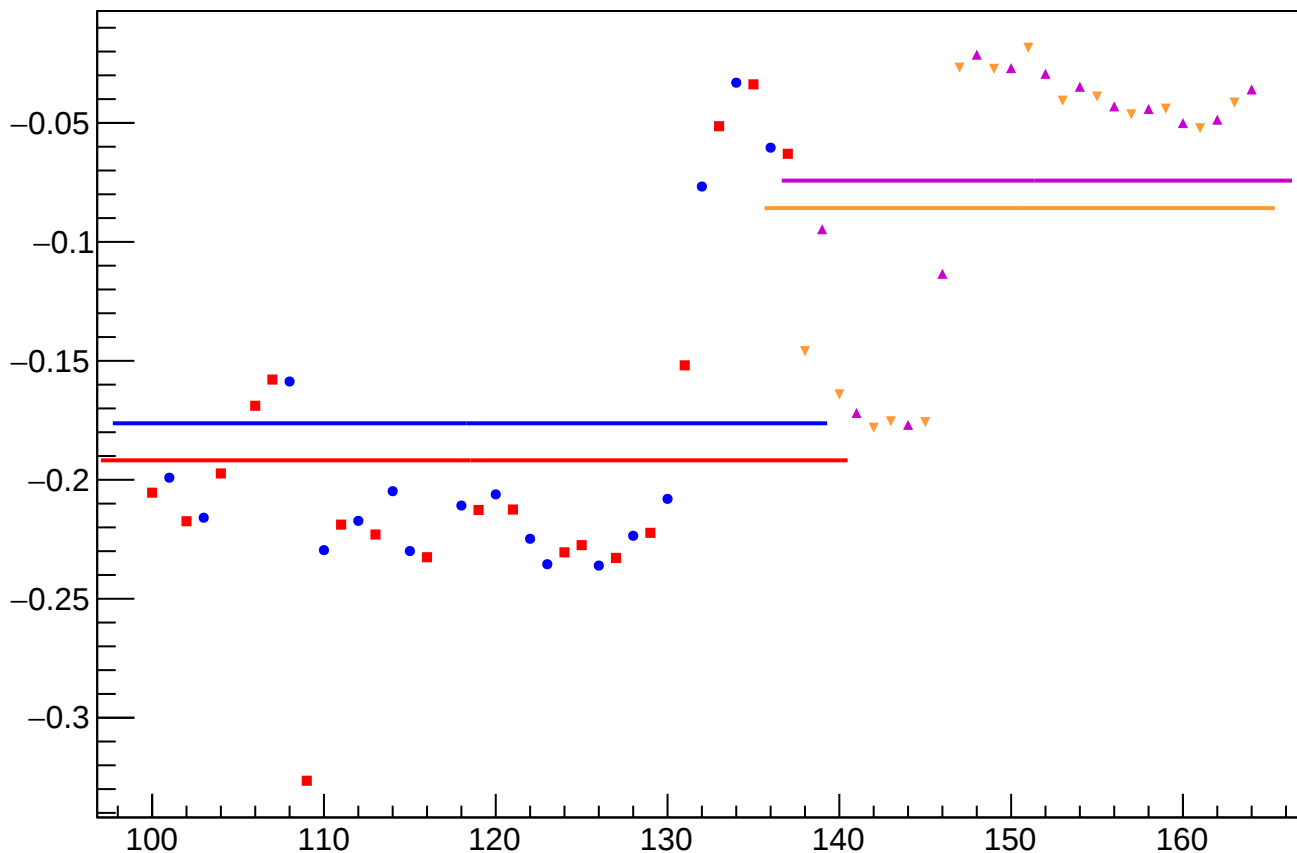
Right: 0.014+/-0.000 χ^2/NDF : 2680772.5/35

In: 0.013+/-0.000 χ^2/NDF :1892604.7/29

Out: 0.013+/-0.000 χ^2/NDF :2035392.6/32

All: 0.013+/-0.000 χ^2/NDF : 3929133.9/62

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: -0.074+/-0.000 χ^2/NDF : 71779314.2/12

Left: -0.080+/-0.000 χ^2/NDF : 165636685.1/26

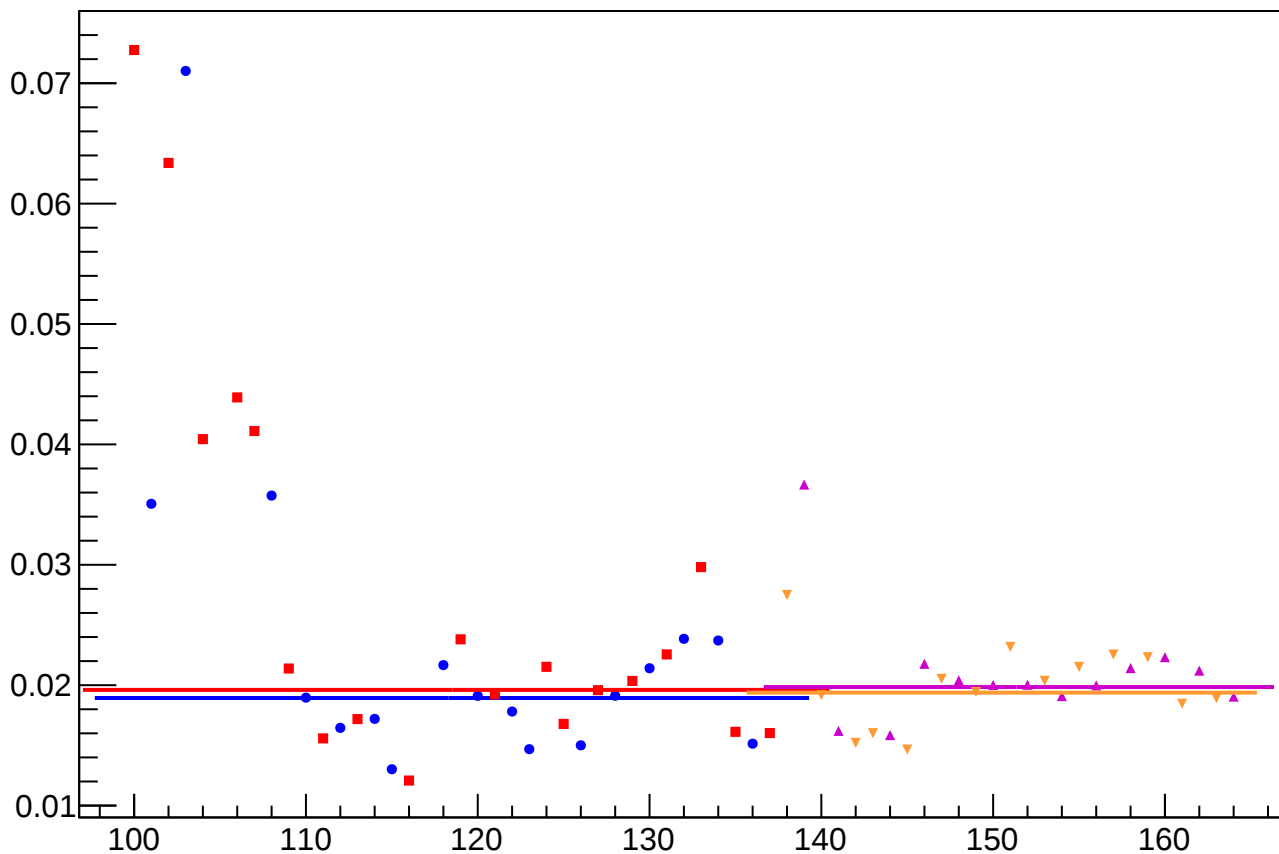
Right: -0.184+/-0.000 χ^2/NDF : 155611518.1/35

In: -0.115+/-0.000 χ^2/NDF : 229212632.5/29

Out: -0.126+/-0.000 χ^2/NDF : 270484082.9/32

All: -0.121+/-0.000 χ^2/NDF : 501836445.8/62

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 : 469163.9/12

Left: 0.020+/-0.000 χ^2/NDF : 890634.9/26

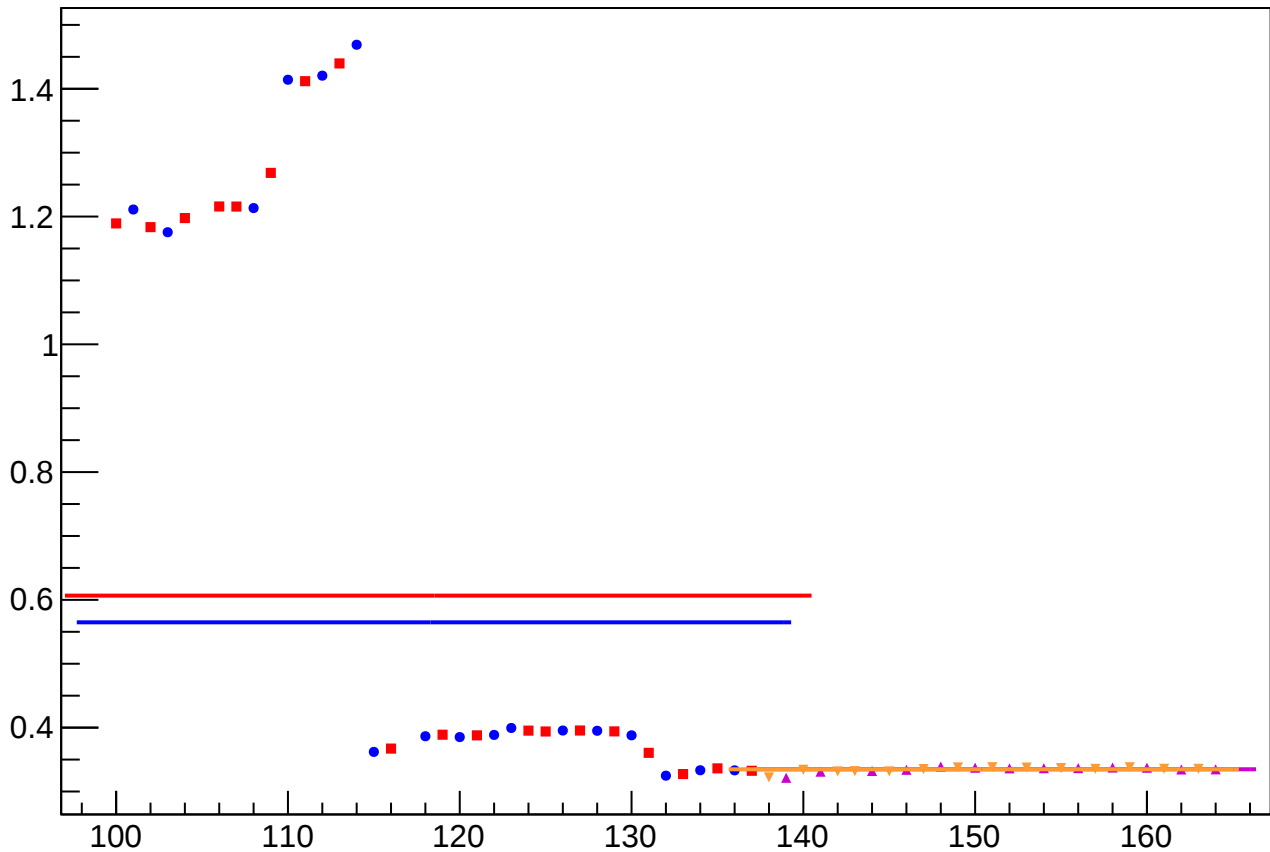
Right: 0.019+/-0.000 χ^2/NDF : 2669759.1/35

In: 0.019+/-0.000 χ^2/NDF : 1688972.5/29

Out: 0.019+/-0.000 χ^2/NDF : 1875331.2/32

All: 0.019+/-0.000 χ^2/NDF : 3564311.6/62

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1068584.1/13

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5513752213.8/18

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1153944.2/12

Left: 0.335 $\pm$ 0.000 χ^2 /NDF: 2222694.8/26

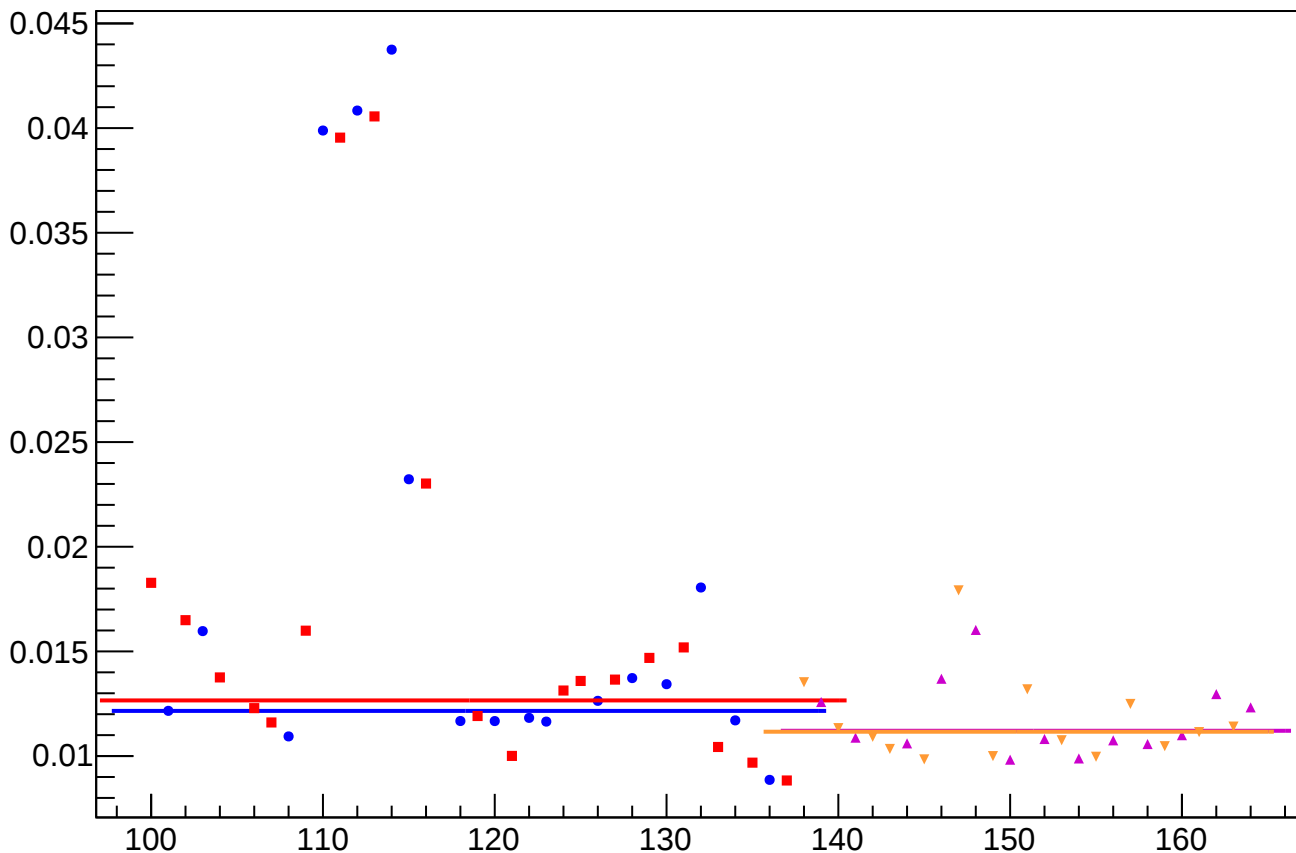
Right: 0.585 $\pm$ 0.000 χ^2 /NDF: 10577520536.9/35

In: 0.411 $\pm$ 0.000 χ^2 /NDF:6390724838.3/29

Out: 0.421 $\pm$ 0.000 χ^2 /NDF:7371733500.3/32

All: 0.416 $\pm$ 0.000 χ^2 /NDF: 13768453750.6/66

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.011+/-0.000 χ^2/NDF :395580.8/13

Right Out: 0.013+/-0.000 χ^2/NDF : 1270689.5/18

Left In: 0.011+/-0.000 χ^2/NDF :321253.3/12

Left: 0.011+/-0.000 χ^2/NDF : 716992.2/26

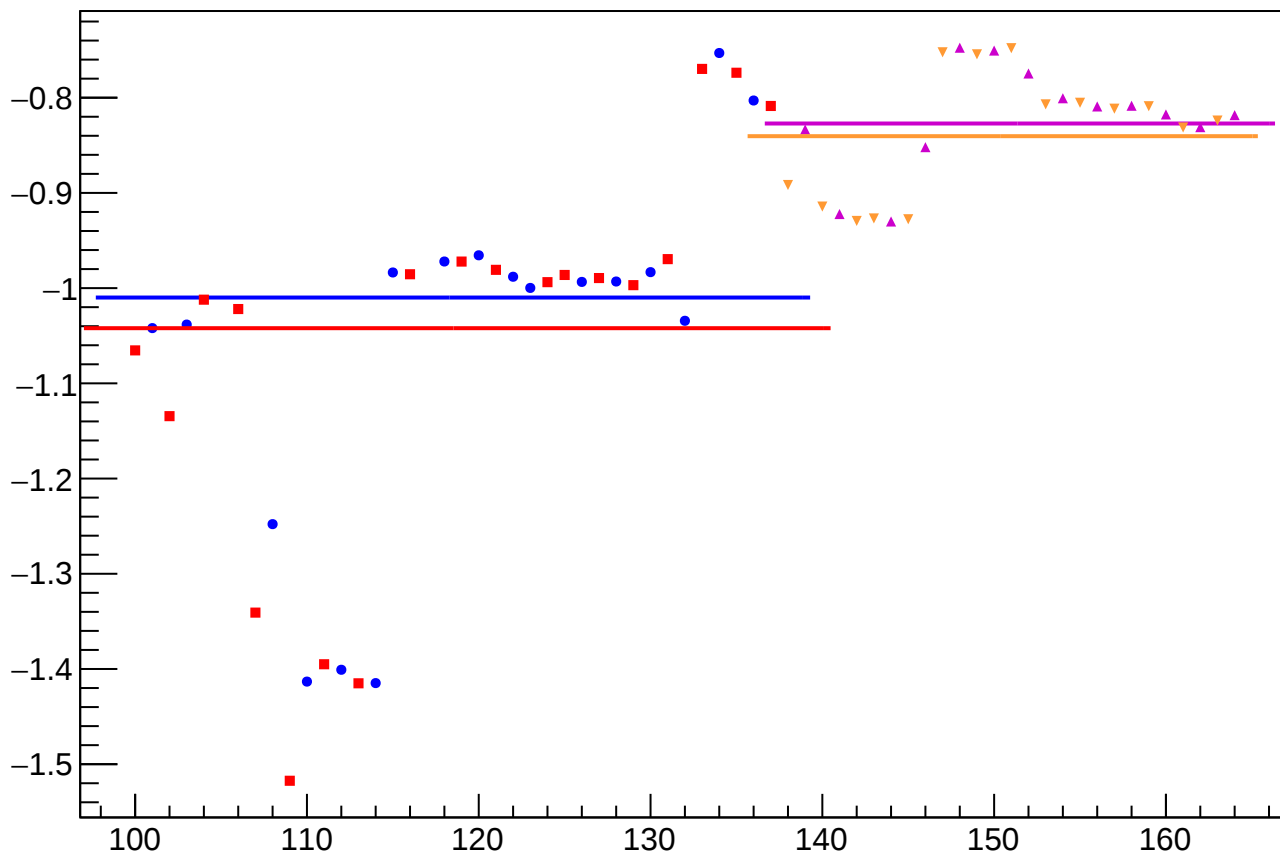
Right: 0.012+/-0.000 χ^2/NDF : 2589989.8/35

In: 0.012+/-0.000 χ^2/NDF :1677438.1/29

Out: 0.012+/-0.000 χ^2/NDF :1778564.0/32

All: 0.012+/-0.000 χ^2/NDF : 3457550.0/62

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: -0.827+/-0.000 χ^2/NDF : 70149614.1/12

Left: -0.834+/-0.000 χ^2/NDF : 164181112.2/26

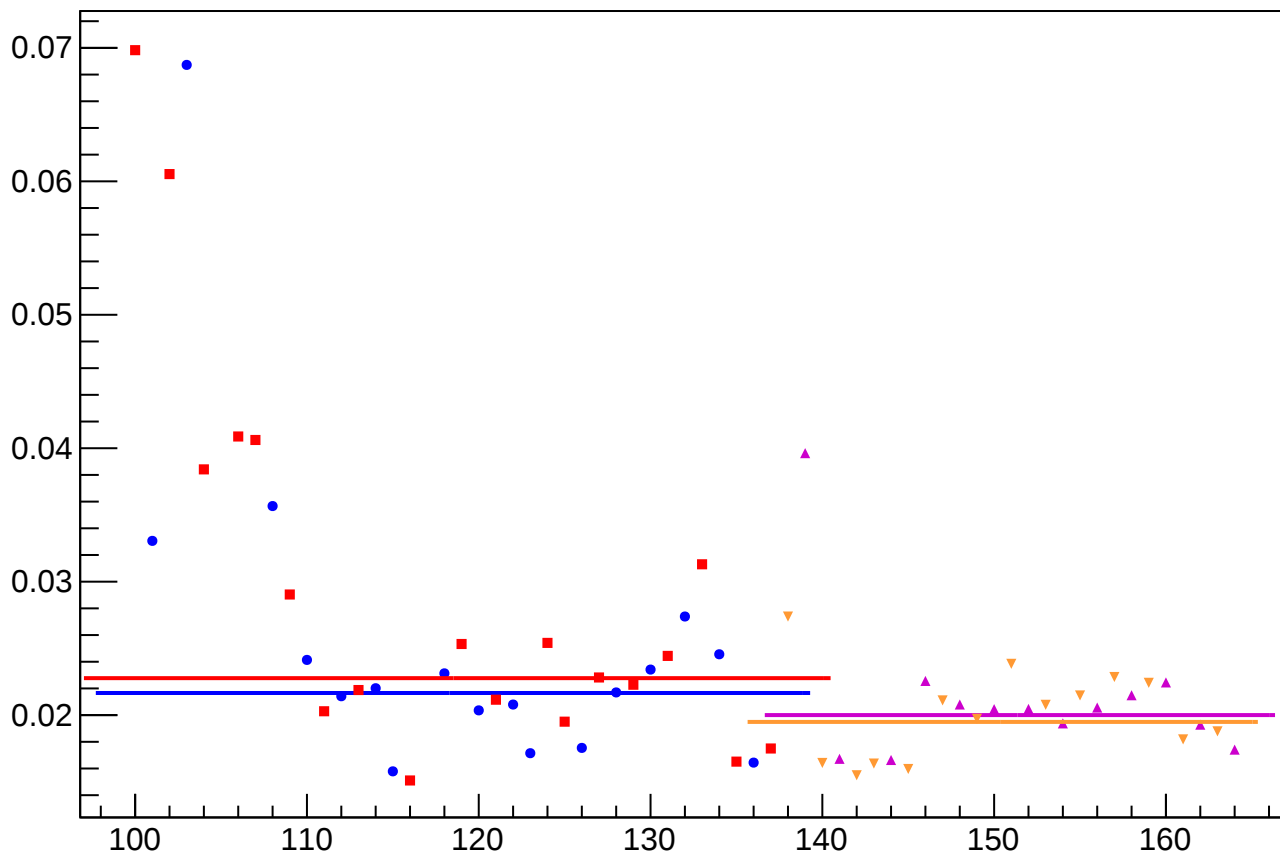
Right: -1.026+/-0.000 χ^2/NDF : 923225272.3/35

In: -0.890+/-0.000 χ^2/NDF : 694948861.7/29

Out: -0.905+/-0.000 χ^2/NDF : 905207859.3/32

All: -0.898+/-0.000 χ^2/NDF : 1603672504.8/6

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 : 495660.4/12

Left: 0.020+/-0.000 χ^2/NDF : 891207.8/26

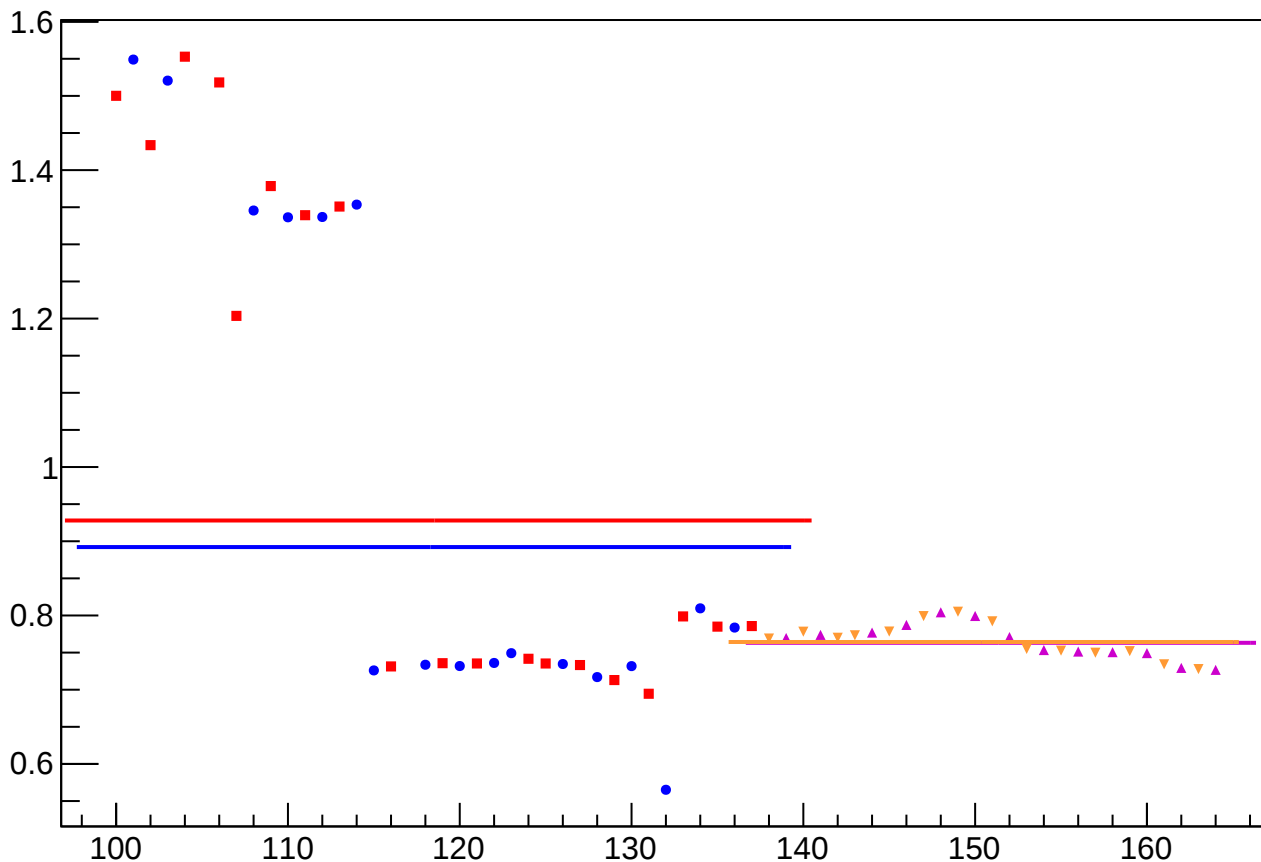
Right: 0.022+/-0.000 χ^2/NDF : 2149174.6/35

In: 0.021+/-0.000 χ^2/NDF : 1518073.5/29

Out: 0.021+/-0.000 χ^2/NDF : 1692343.3/32

All: 0.021+/-0.000 χ^2/NDF : 3210444.1/62

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: 0.763 $\pm$ 0.000 χ^2/NDF :27097787.7/12

Left: 0.764 $\pm$ 0.000 χ^2/NDF : 55444345.7/26

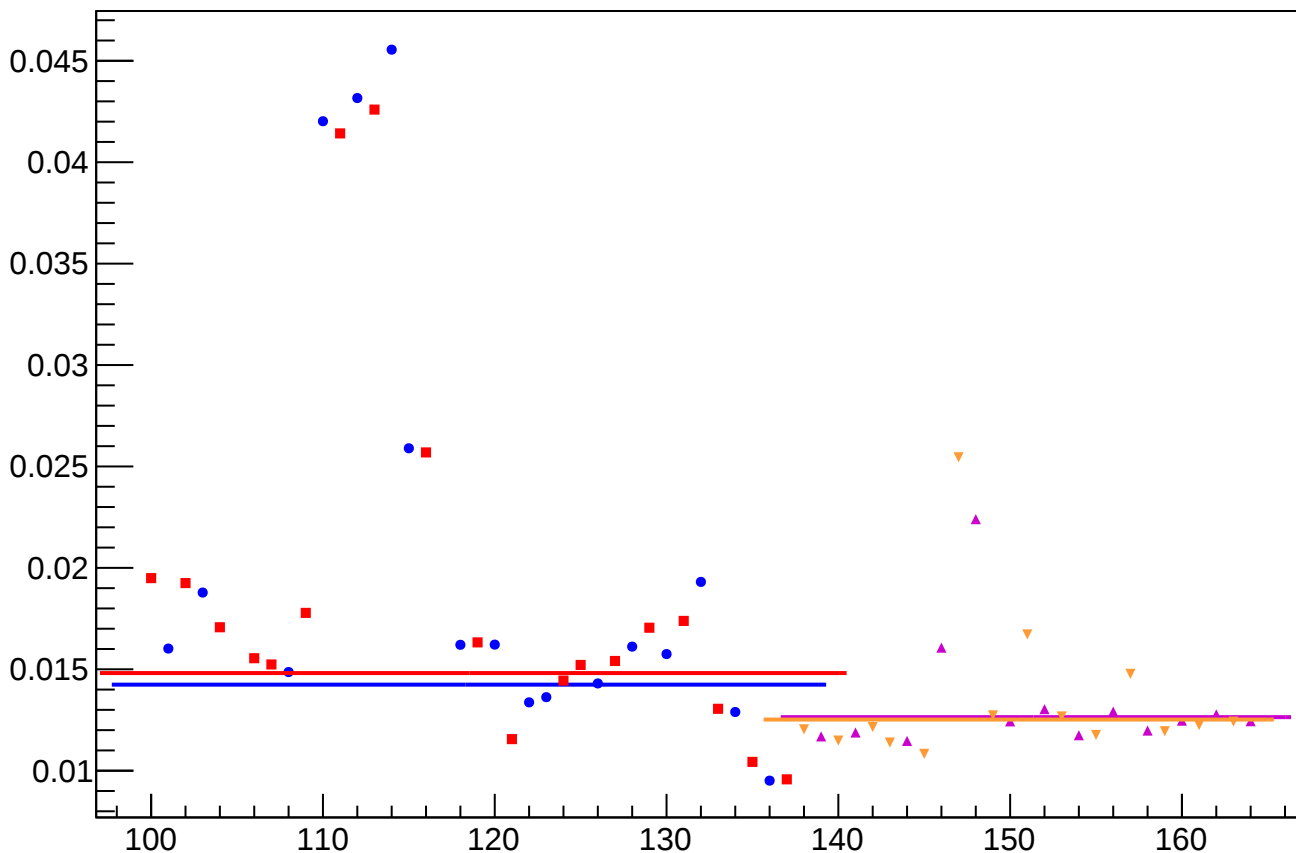
Right: 0.910 $\pm$ 0.000 χ^2/NDF : 4868922187.9/35

In: 0.803 $\pm$ 0.000 χ^2/NDF :2759527338.8/29

Out: 0.814 $\pm$ 0.000 χ^2/NDF :2975684805.8/32

All: 0.809 $\pm$ 0.000 χ^2/NDF : 5740060647.4/62

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.013+/-0.000 χ^2/NDF :583858.8/13

Right Out: 0.015+/-0.000 χ^2/NDF : 1274172.7/18

Left In: 0.013+/-0.000 χ^2/NDF :405331.6/12

Left: 0.013+/-0.000 χ^2/NDF : 990054.2/26

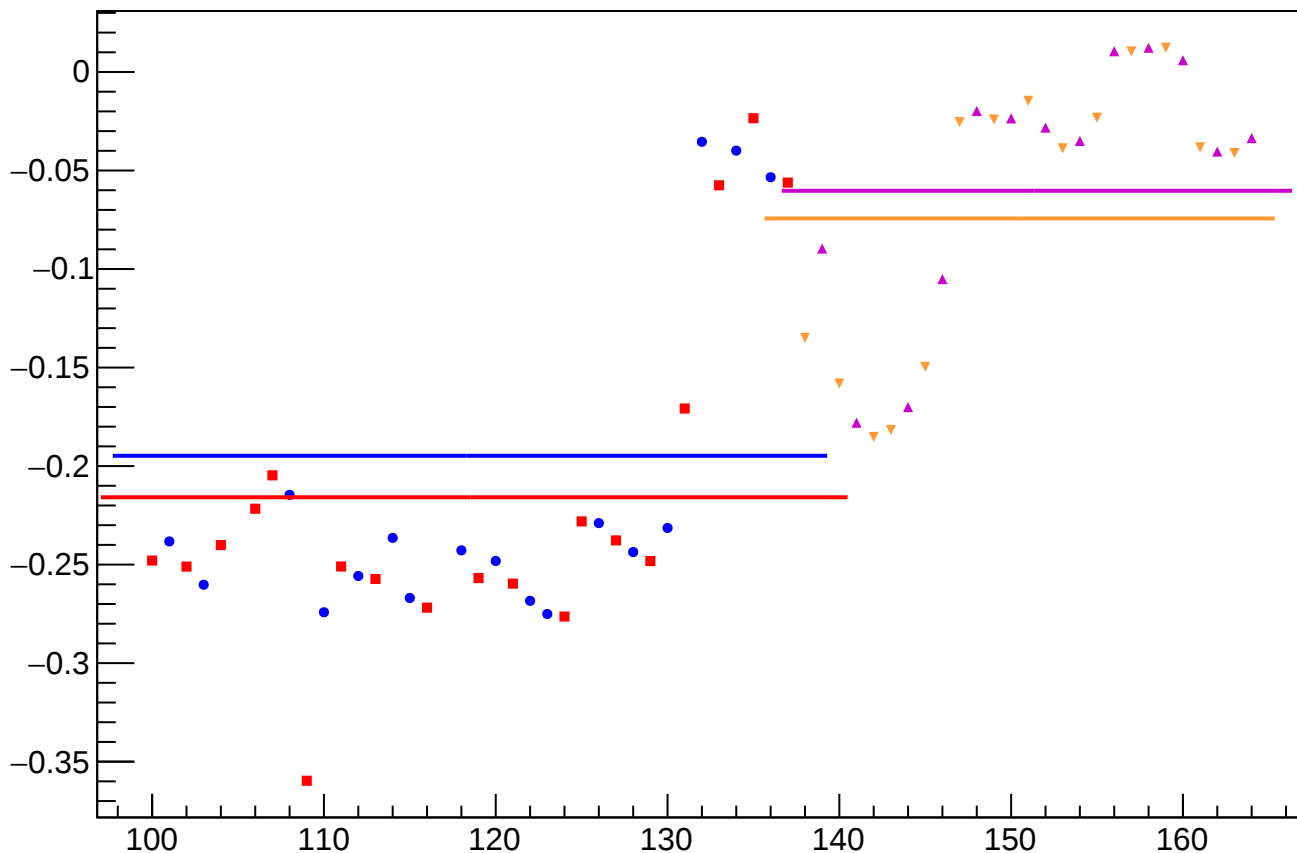
Right: 0.015+/-0.000 χ^2/NDF : 2698841.0/35

In: 0.013+/-0.000 χ^2/NDF :1919378.4/29

Out: 0.013+/-0.000 χ^2/NDF :2057898.8/32

All: 0.013+/-0.000 χ^2/NDF : 3977789.3/62

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.074+/-0.000 χ^2/NDF : 109119982.4/13

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

Left In: -0.060+/-0.000 χ^2/NDF : 95253302.7/12

Left: -0.068+/-0.000 χ^2/NDF : 206495832.6/26

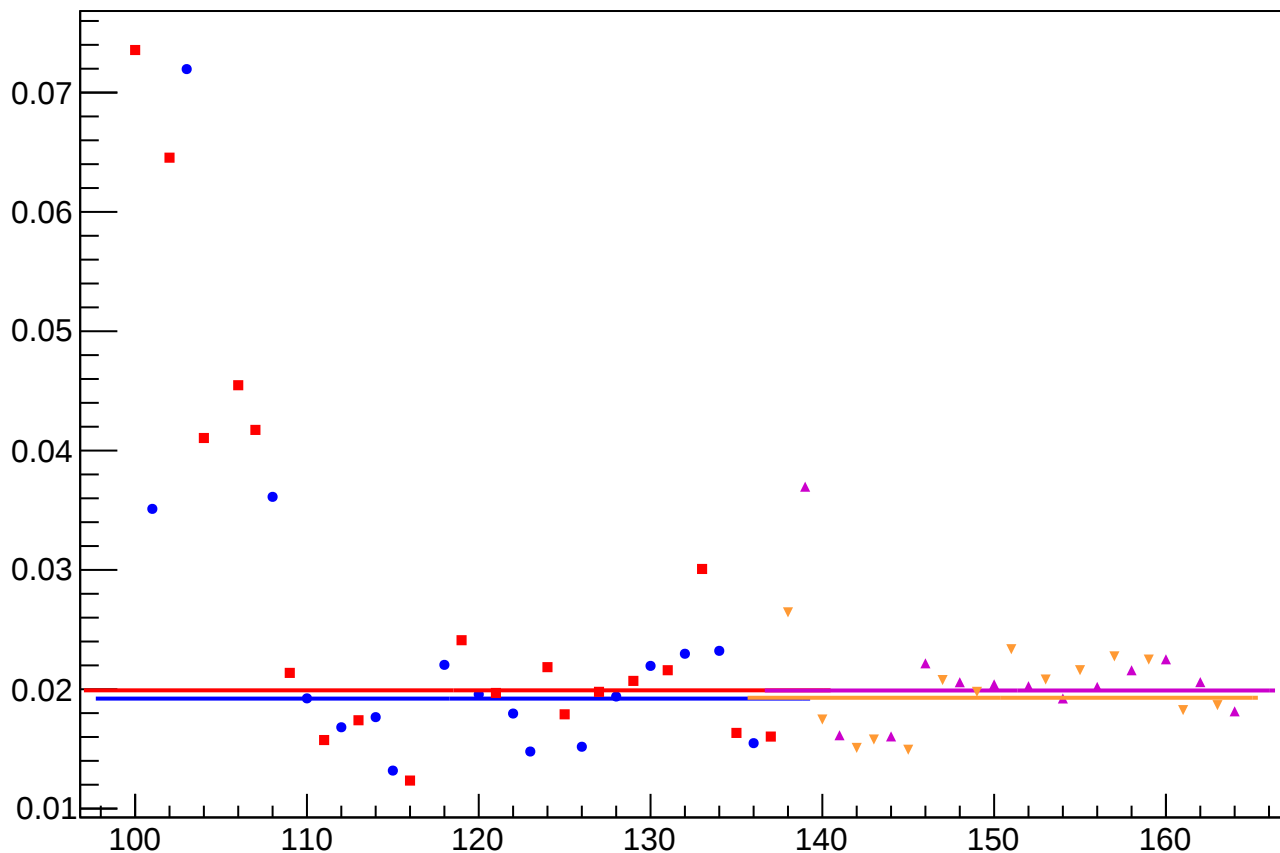
Right: -0.205+/-0.000 χ^2/NDF : 223598203.8/35

In: -0.113+/-0.000 χ^2/NDF : 352572135.1/29

Out: -0.127+/-0.000 χ^2/NDF : 385951569.0/32

All: -0.120+/-0.000 χ^2/NDF : 741651636.9/62

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 : 480105.0/12

Left: 0.020+/-0.000 χ^2/NDF : 907502.4/26

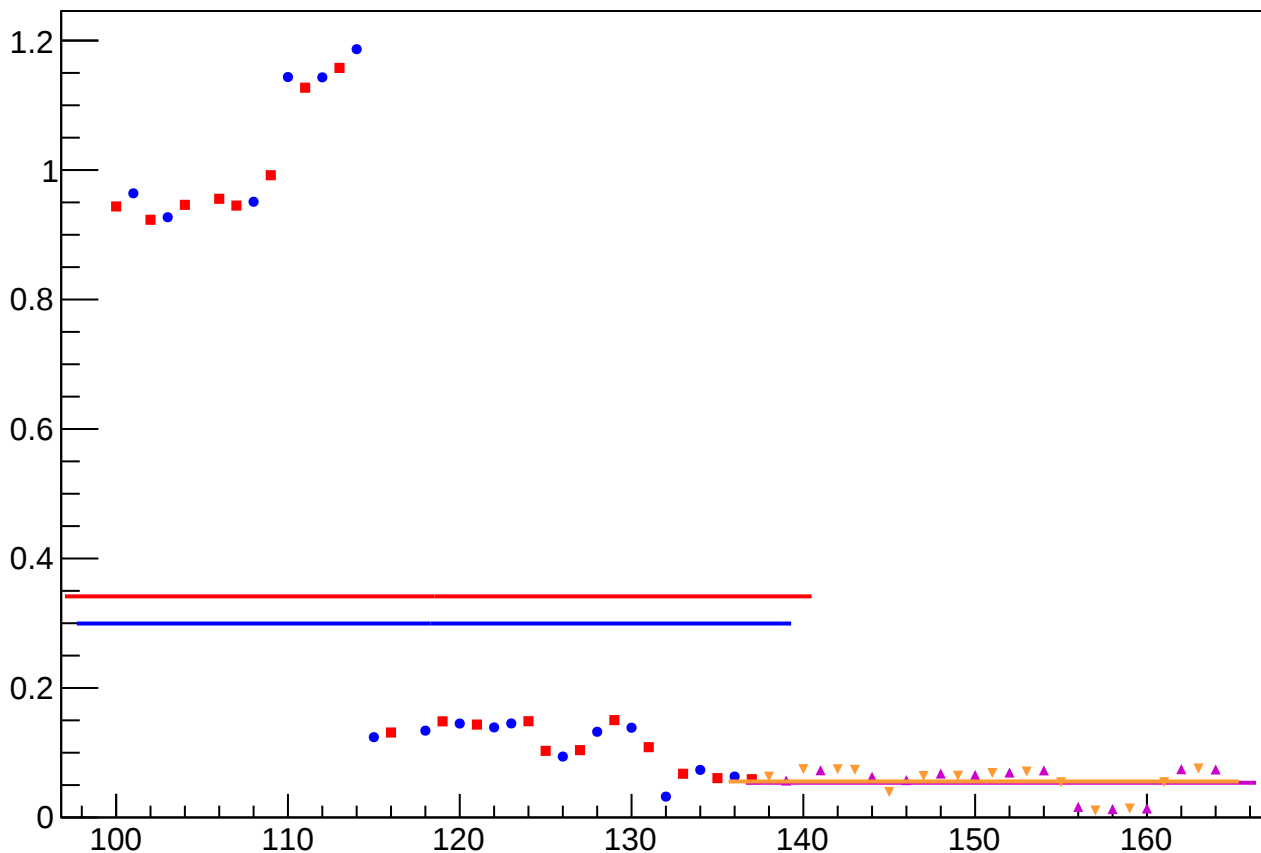
Right: 0.020+/-0.000 χ^2/NDF : 2630434.7/35

In: 0.020+/-0.000 χ^2/NDF : 1664785.1/29

Out: 0.020+/-0.000 χ^2/NDF : 1872747.2/32

All: 0.020+/-0.000 χ^2/NDF : 3537957.6/62

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: 0.054+/-0.000 χ^2/NDF : 47230177.7/12

Left: 0.055+/-0.000 χ^2/NDF : 84448136.4/26

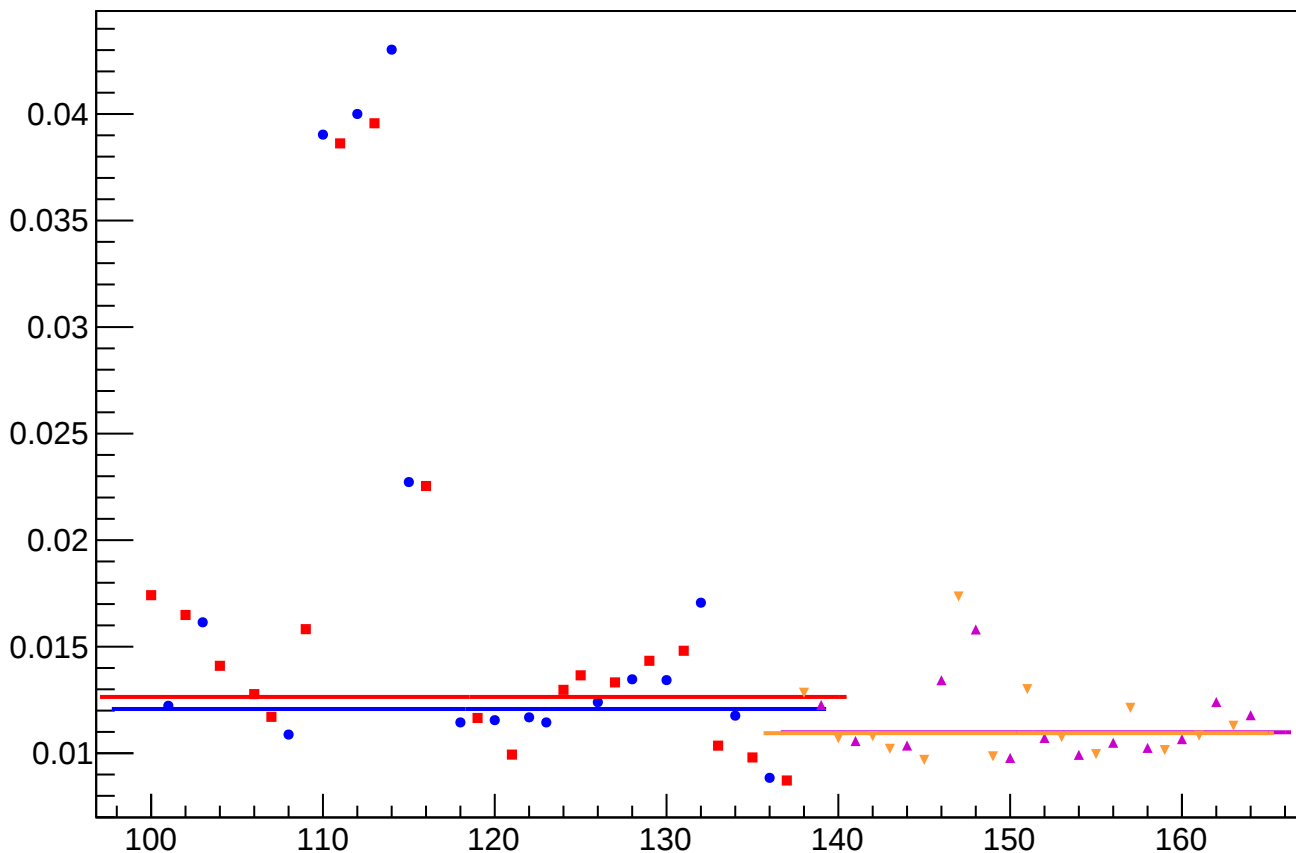
Right: 0.320+/-0.000 χ^2/NDF : 10648917928.5/35

In: 0.133+/-0.000 χ^2/NDF : 6802384771.7/29

Out: 0.144+/-0.000 χ^2/NDF : 7572128521.8/32

All: 0.139+/-0.000 χ^2/NDF : 14381041143.9/66

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 : 298799.7/12

Left: 0.011+/-0.000 χ^2/NDF : 663501.3/26

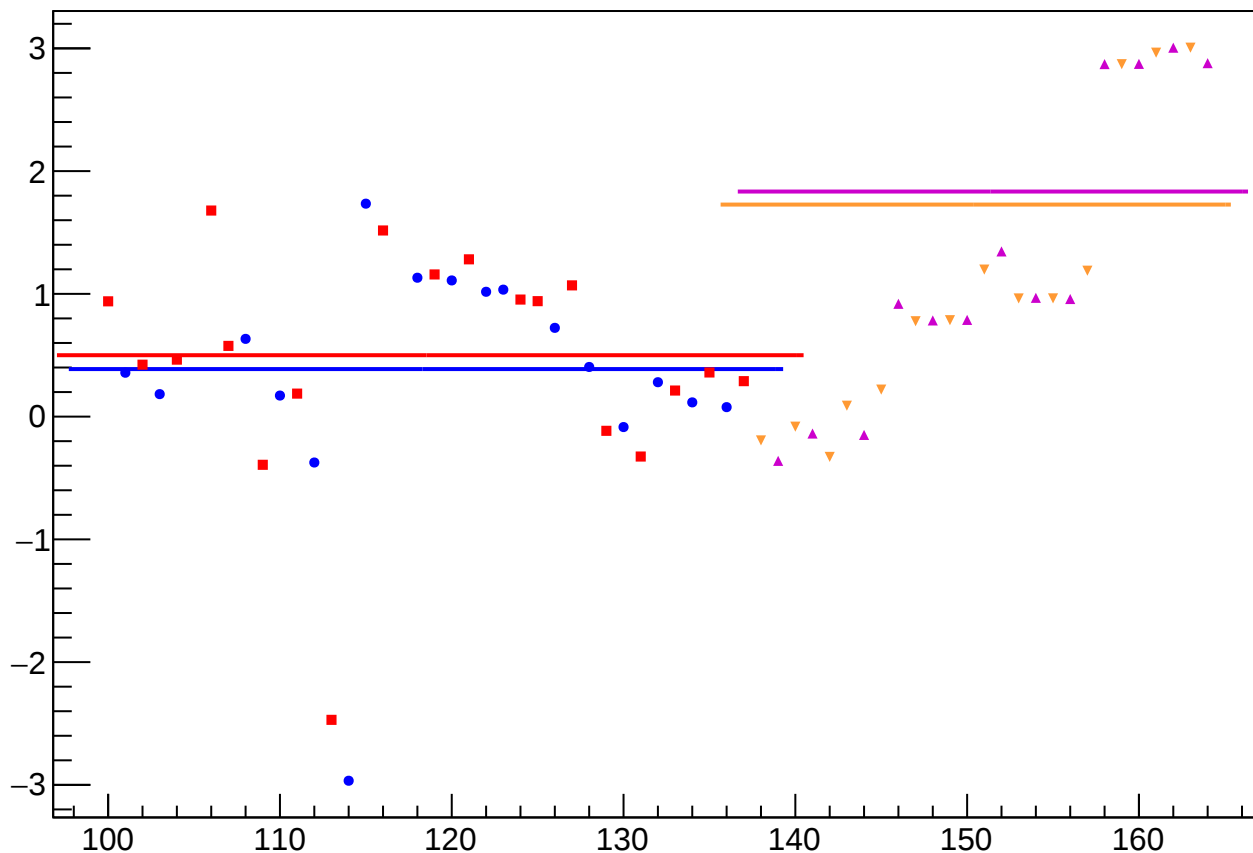
Right: 0.012+/-0.000 χ^2/NDF : 2531931.6/35

In: 0.011+/-0.000 χ^2/NDF : 1643715.5/29

Out: 0.011+/-0.000 χ^2/NDF : 1749746.4/32

All: 0.011+/-0.000 χ^2/NDF : 3395450.8/62

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: 1.834+/-0.000 χ^2/NDF :26386383058.4/12

Left: 1.784+/-0.000 χ^2/NDF : 50347736613.8/26

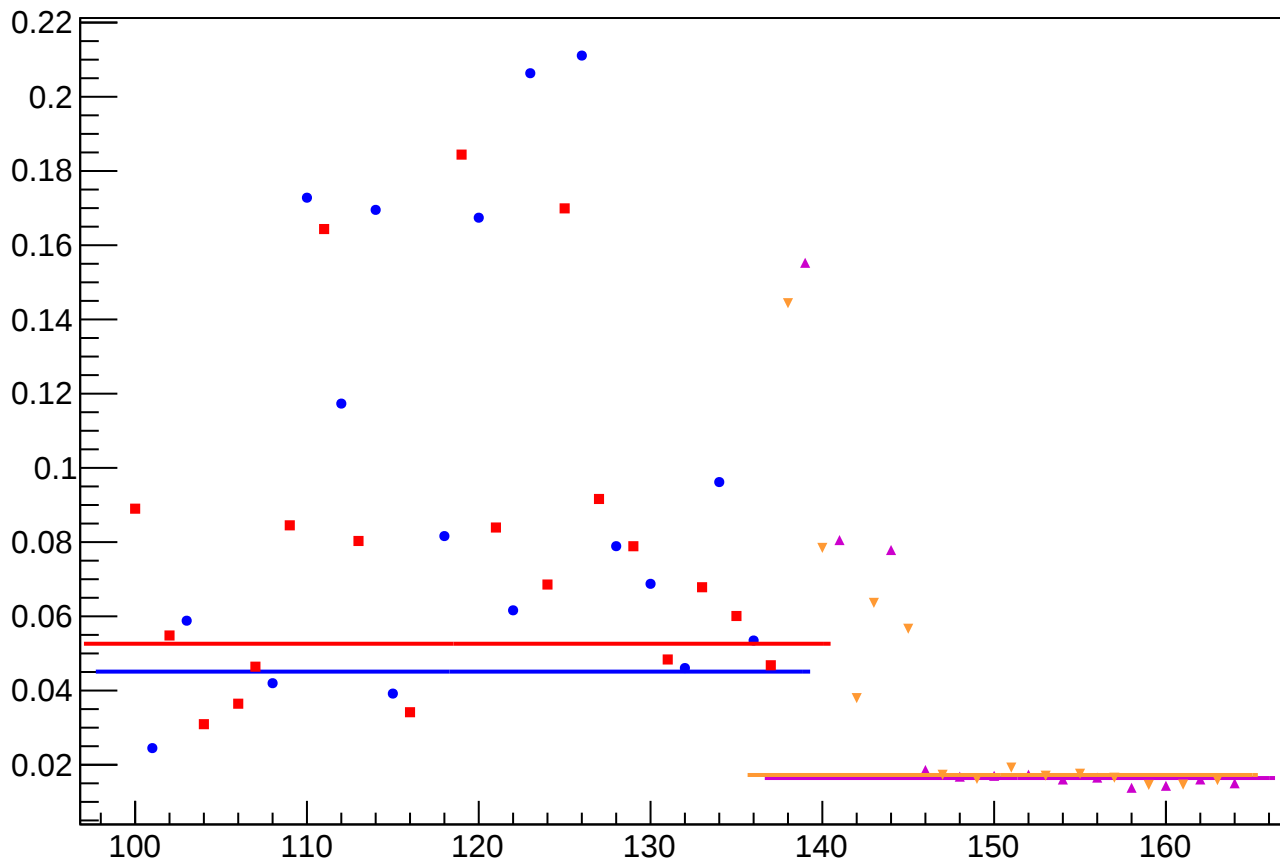
Right: 0.439+/-0.000 χ^2/NDF : 1241544973.3/35

In: 1.745+/-0.000 χ^2/NDF :30069105682.4/29

Out: 1.655+/-0.000 χ^2/NDF :26917695196.1/32

All: 1.703+/-0.000 χ^2/NDF : 57096438217.0/6

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: 0.016+/-0.000 χ^2/NDF :2335066.7/12

Left: 0.017+/-0.000 χ^2/NDF : 5080609.9/26

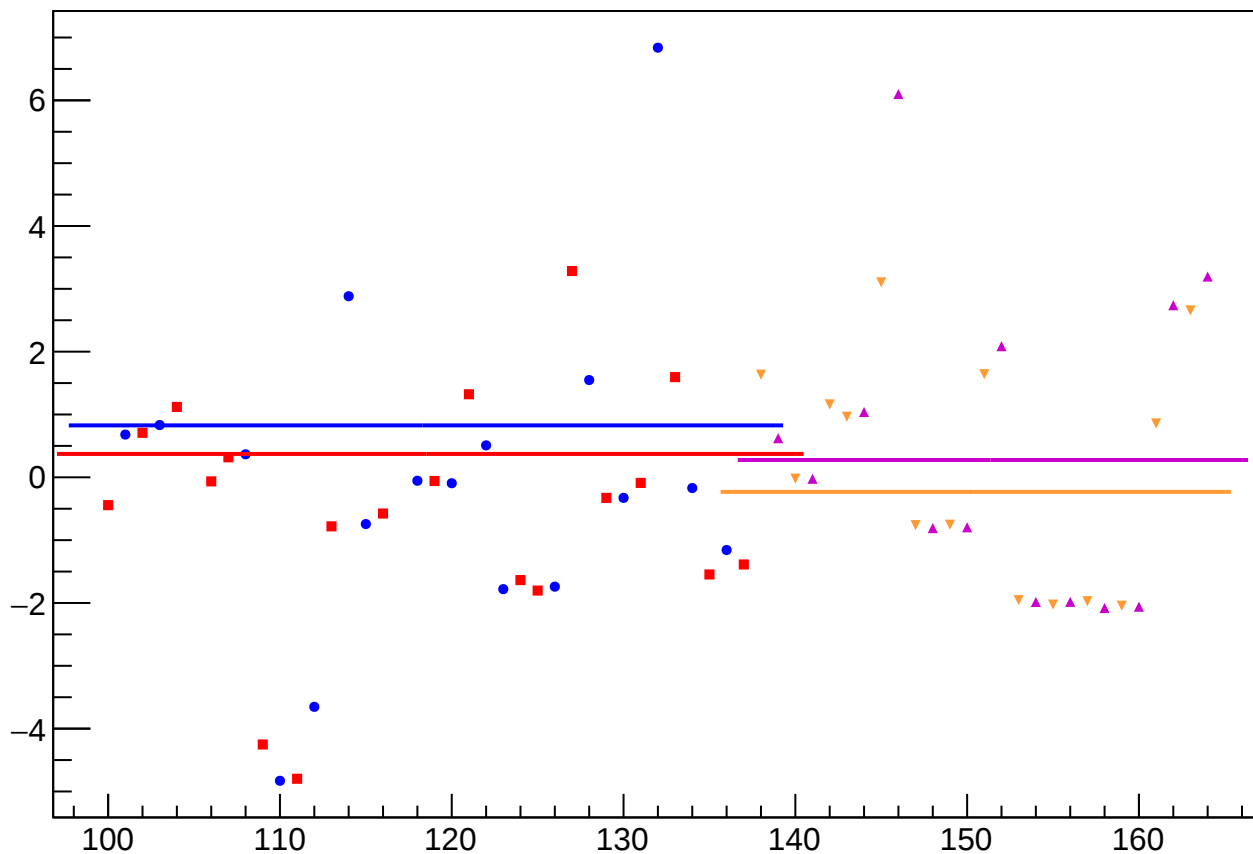
Right: 0.049+/-0.000 χ^2/NDF : 5127581.4/35

In: 0.018+/-0.000 χ^2/NDF :7882117.1/29

Out: 0.019+/-0.000 χ^2/NDF :8432625.7/32

All: 0.019+/-0.000 χ^2/NDF : 16350826.7/62

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827+/-0.000

χ^2/NDF : 10936458870.4/16

Left: 0.036+/-0.000 χ^2/NDF : 444043264881.4/26

Right: 0.613+/-0.000 χ^2/NDF : 16291516809.6/35

Left Out: -0.232+/-0.000

χ^2/NDF : 138709502387.8/13

In: 0.324+/-0.000 χ^2/NDF : 312347901148.0/29

Right Out: 0.372+/-0.000

χ^2/NDF : 4972900338.2/18

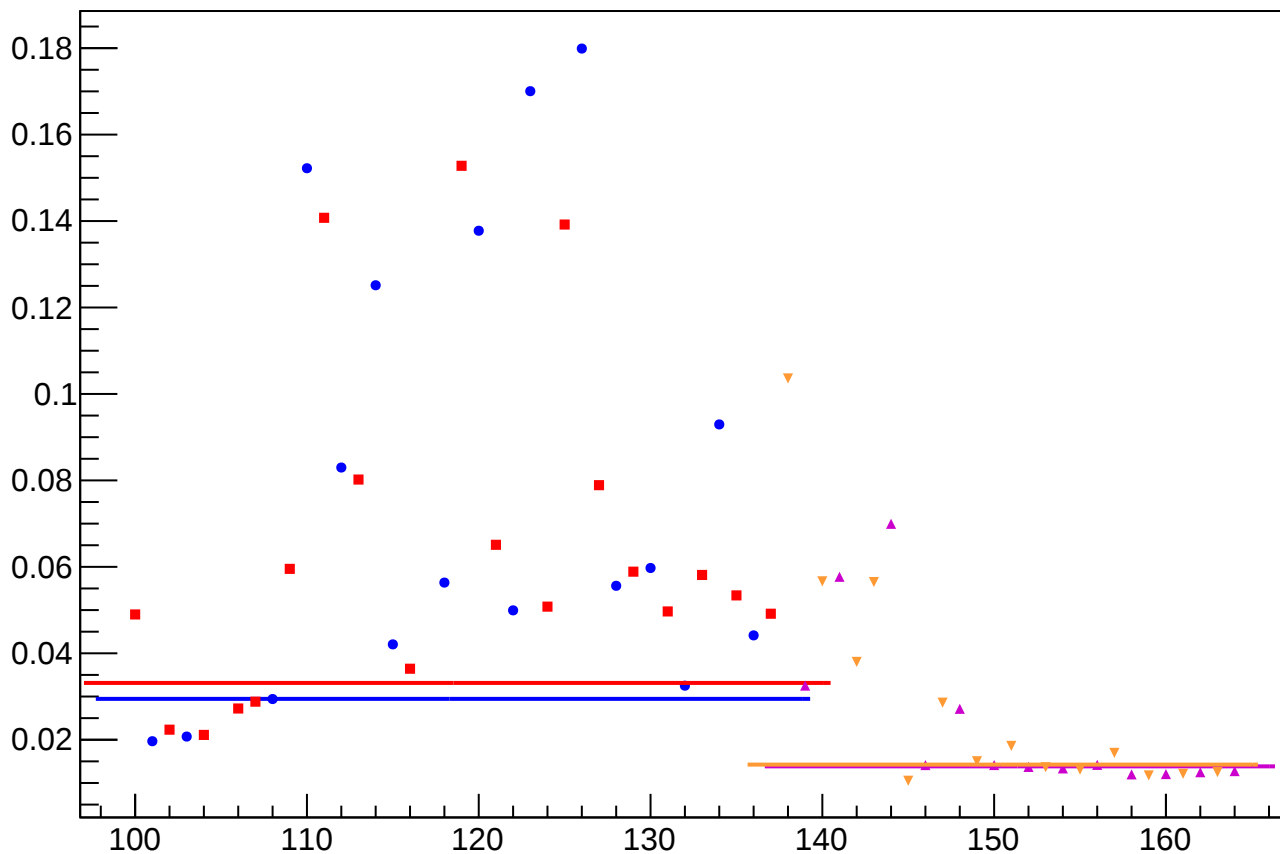
Out: -0.179+/-0.000 χ^2/NDF : 144848140301.9/32

Left In: 0.276+/-0.000

χ^2/NDF : 300322300398.6/12

All: 0.086+/-0.000 χ^2/NDF : 462590839539.2

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 : 1844037.6/12

Left: 0.014+/-0.000 χ^2/NDF : 4634506.6/26

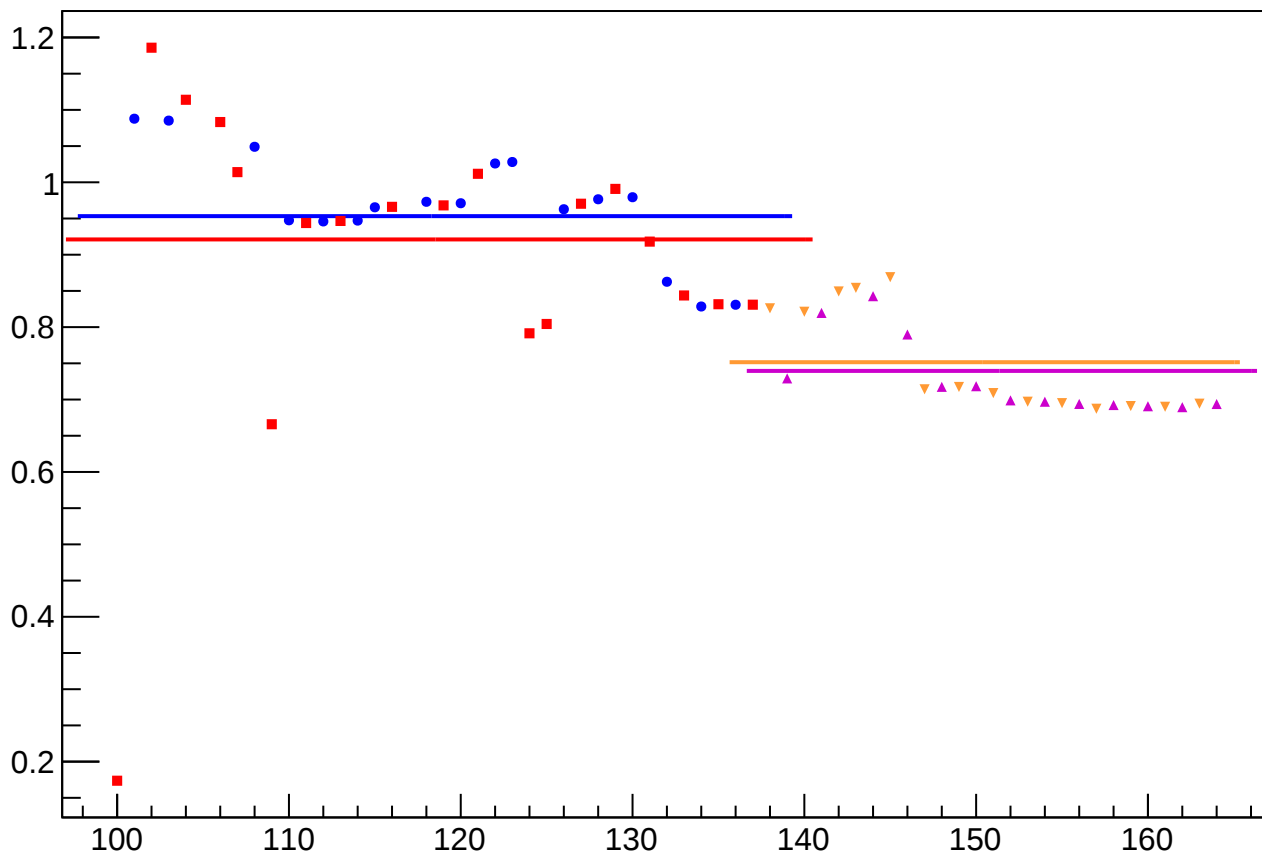
Right: 0.031+/-0.000 χ^2/NDF : 6200704.9/35

In: 0.015+/-0.000 χ^2/NDF : 6649508.6/29

Out: 0.016+/-0.000 χ^2/NDF : 8162633.8/32

All: 0.016+/-0.000 χ^2/NDF : 14832028.9/62

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.752 $\pm$ 0.000 χ^2 /NDF: 249996619.7/13

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

Left In: 0.740 $\pm$ 0.000 χ^2 /NDF: 154824898.7/12

Left: 0.746 $\pm$ 0.000 χ^2 /NDF: 408441904.6/26

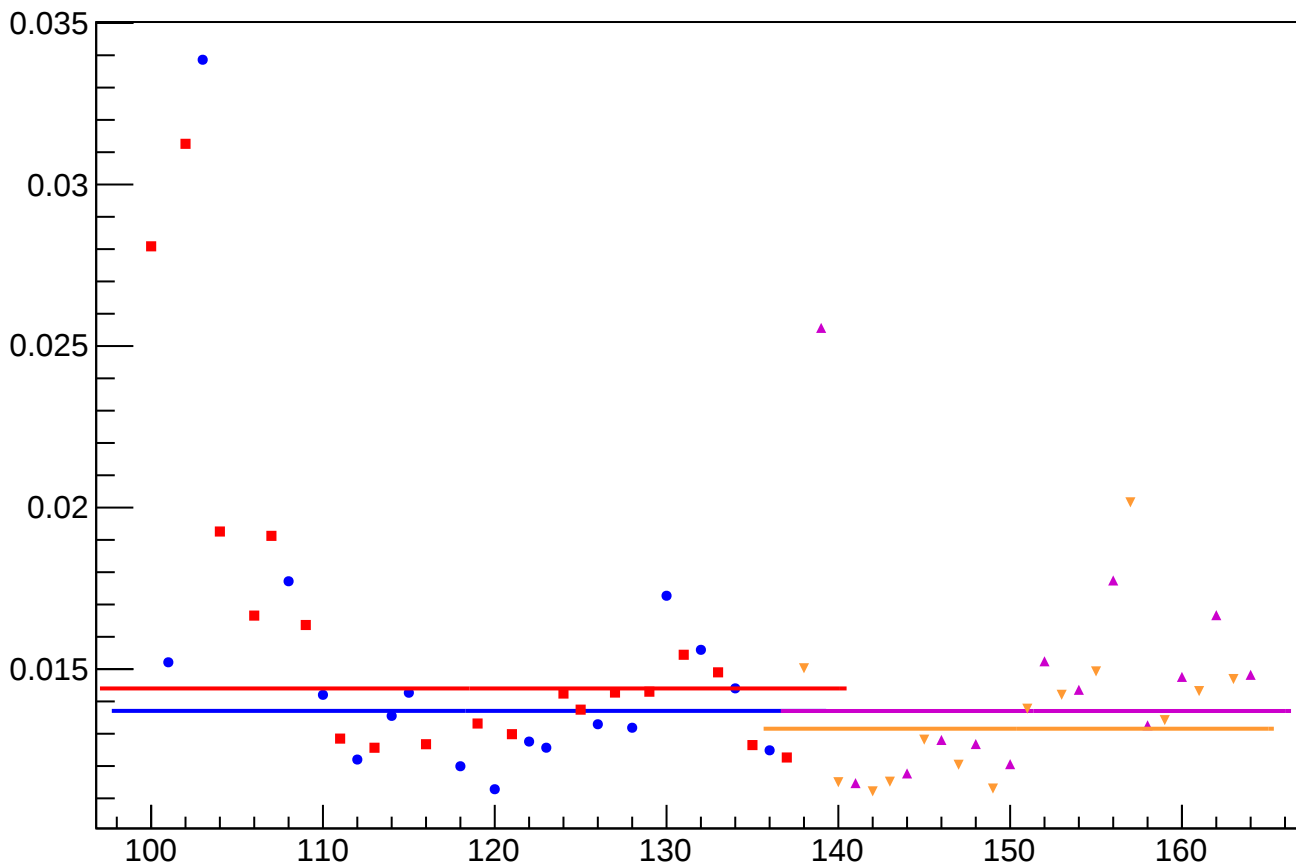
Right: 0.938 $\pm$ 0.000 χ^2 /NDF: 565209467.5/35

In: 0.823 $\pm$ 0.000 χ^2 /NDF: 1190609526.9/29

Out: 0.813 $\pm$ 0.000 χ^2 /NDF: 1163902771.1/32

All: 0.818 $\pm$ 0.000 χ^2 /NDF: 2359003406.6/62

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:572692.4/12

Left: 0.013 $\pm$ 0.000 χ^2 /NDF: 929193.9/26

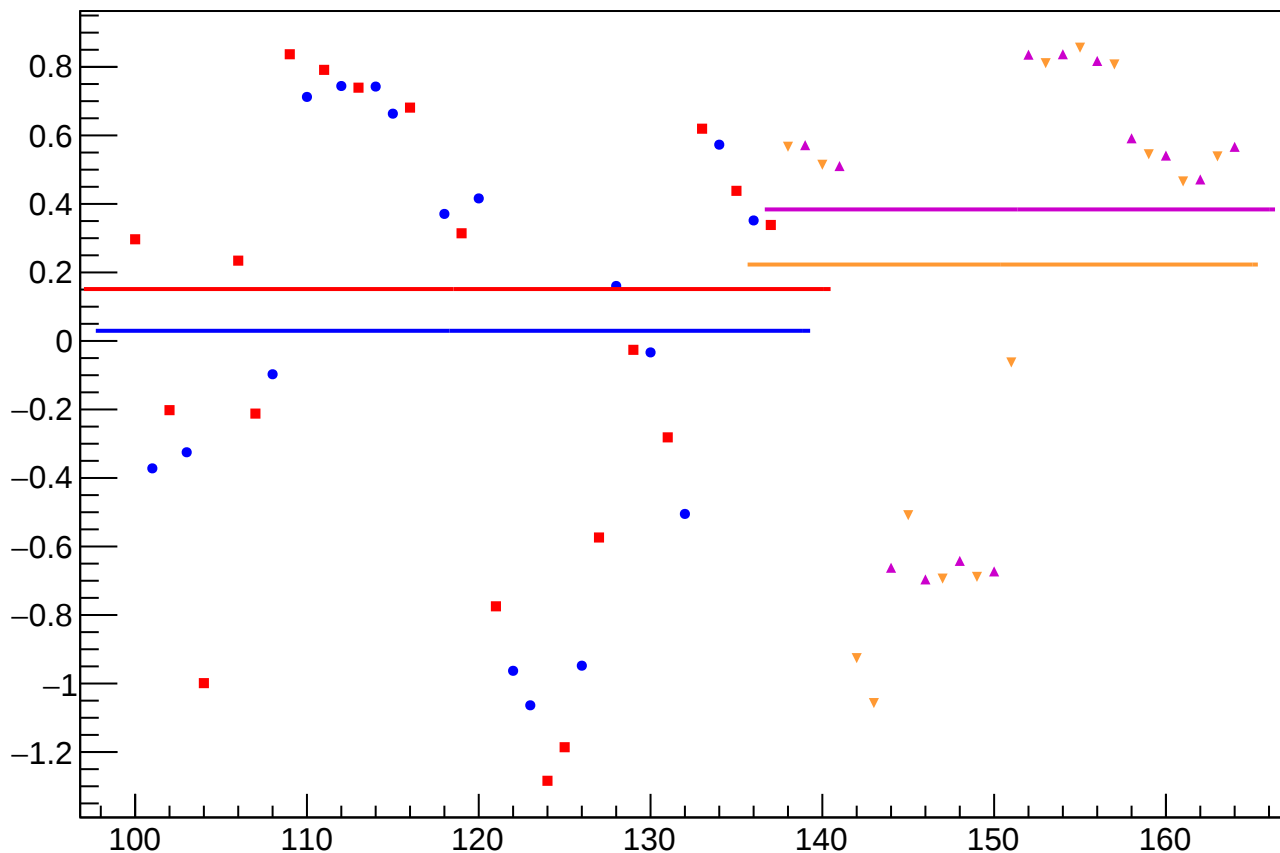
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 1062610.4/35

In: 0.014 $\pm$ 0.000 χ^2 /NDF:1119010.4/29

Out: 0.014 $\pm$ 0.000 χ^2 /NDF:901541.3/32

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2021371.5/62

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 6294824795.0/16

Left Out: 0.223+/-0.000 χ^2/NDF : 23909261370.8/13

Right Out: 0.152+/-0.000 χ^2/NDF : 12661812059.7/18

Left In: 0.384+/-0.000 χ^2/NDF : 16164192829.6/12

Left: 0.303+/-0.000 χ^2/NDF : 40915357008.5/26

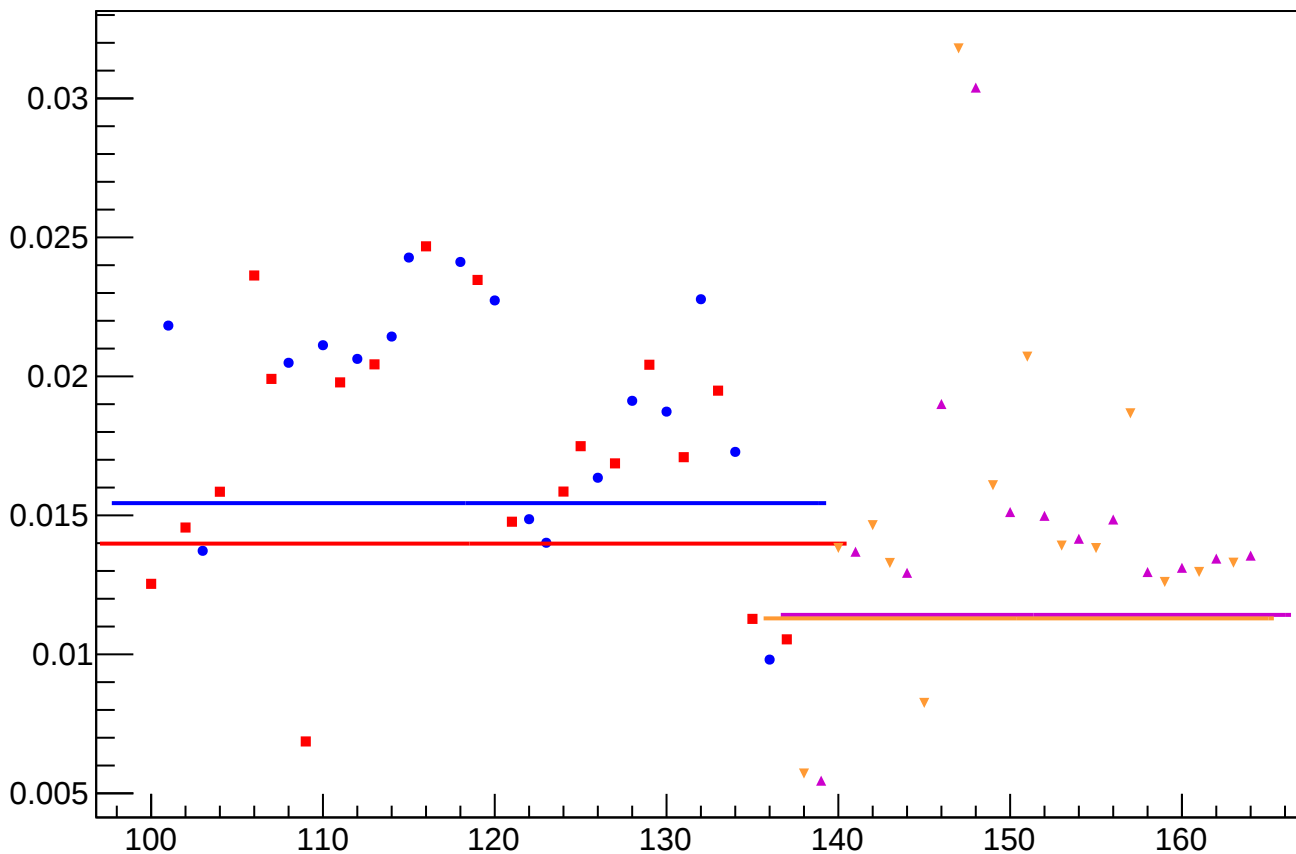
Right: 0.096+/-0.000 χ^2/NDF : 19149304558.7/35

In: 0.289+/-0.000 χ^2/NDF : 24635439019.9/29

Out: 0.201+/-0.000 χ^2/NDF : 36673234799.2/32

All: 0.243+/-0.000 χ^2/NDF : 61655426812.5/66

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 : 2836215.5/12

Left: 0.011+/-0.000 χ^2/NDF : 5711421.7/26

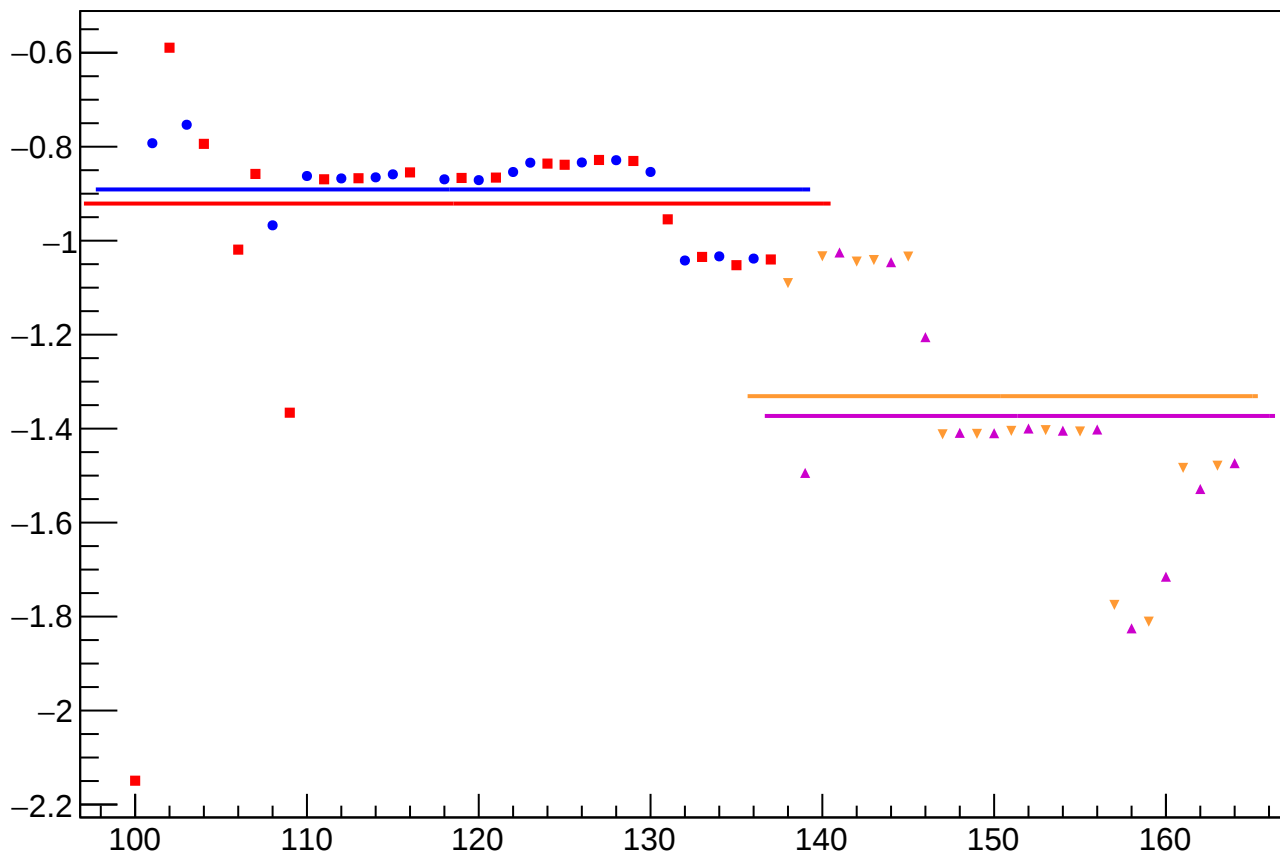
Right: 0.015+/-0.000 χ^2/NDF : 2777678.6/35

In: 0.013+/-0.000 χ^2/NDF : 4558632.6/29

Out: 0.012+/-0.000 χ^2/NDF : 4723626.8/32

All: 0.012+/-0.000 χ^2/NDF : 9296236.5/62

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: -1.373+/-0.000 χ^2/NDF : 414780217.2/12

Left: -1.351+/-0.000 χ^2/NDF : 882281167.2/26

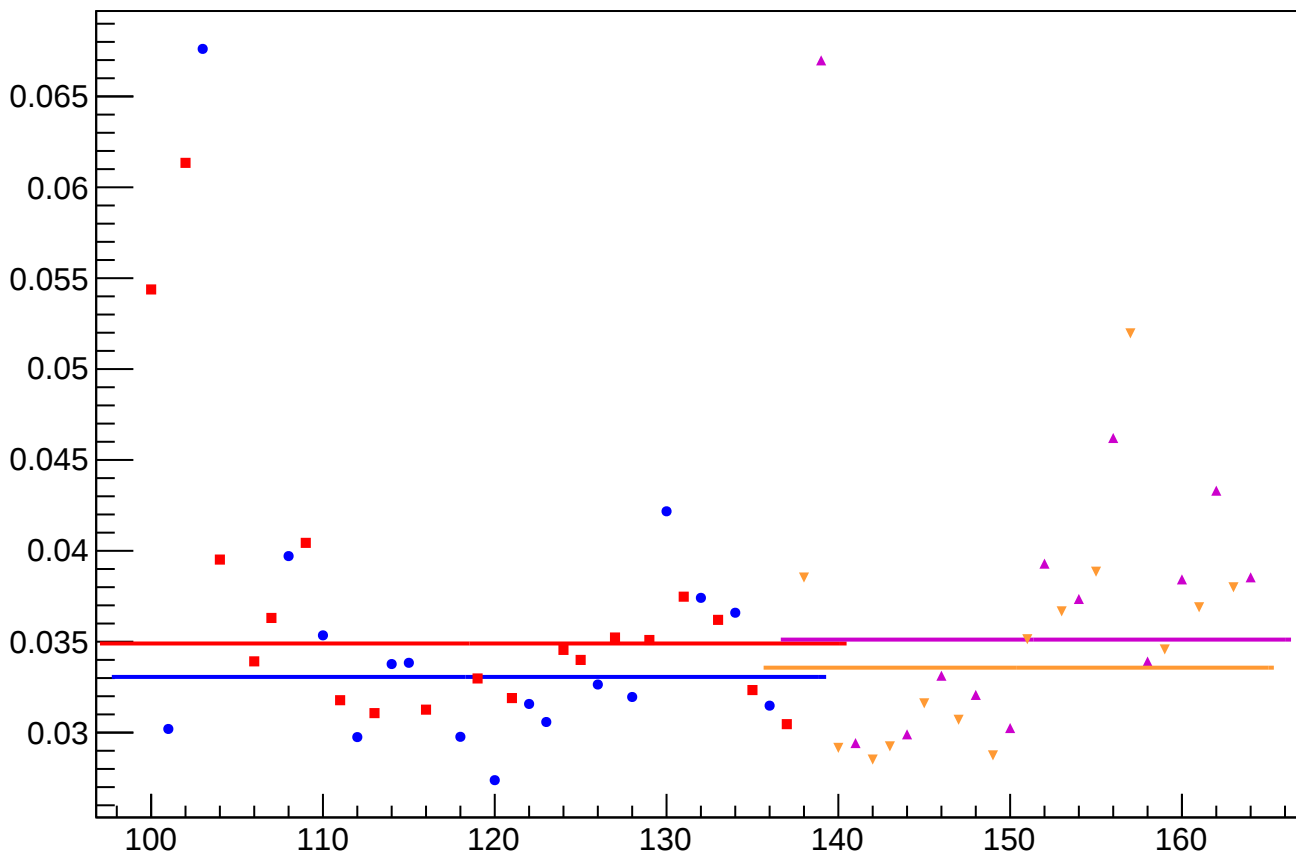
Right: -0.906+/-0.000 χ^2/NDF : 173111604.1/35

In: -1.168+/-0.000 χ^2/NDF : 1172338004.1/29

Out: -1.171+/-0.000 χ^2/NDF : 1110546043.6/32

All: -1.170+/-0.000 χ^2/NDF : 2282945918.1/6

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 :626614.2/12

Left: 0.034+/-0.000 χ^2/NDF : 1016776.8/26

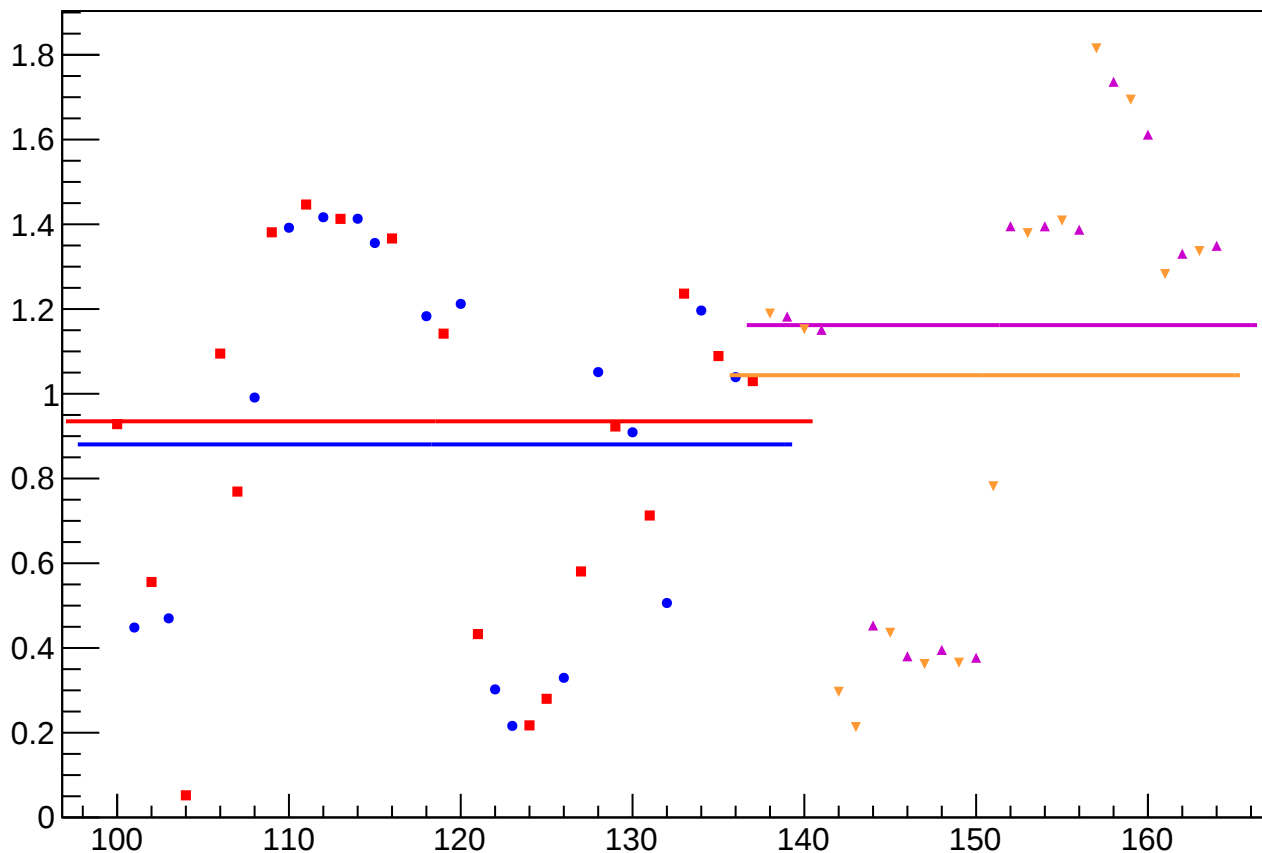
Right: 0.034+/-0.000 χ^2/NDF : 701180.7/35

In: 0.034+/-0.000 χ^2/NDF :1061949.1/29

Out: 0.034+/-0.000 χ^2/NDF :657270.5/32

All: 0.034+/-0.000 χ^2/NDF : 1719524.3/62

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.880 $\pm$ 0.000

χ^2/NDF : 6400108121.4/16

Left: 1.102 $\pm$ 0.000

χ^2/NDF : 52238094397.9/26

Left Out: 1.044 $\pm$ 0.000

χ^2/NDF : 29388445877.4/13

Right: 0.909 $\pm$ 0.000

χ^2/NDF : 16315238009.2/35

Right Out: 0.935 $\pm$ 0.000

χ^2/NDF : 9833525935.6/18

In: 1.077 $\pm$ 0.000

χ^2/NDF : 31309539780.0/29

Out: 1.010 $\pm$ 0.000

χ^2/NDF : 39684937868.7/32

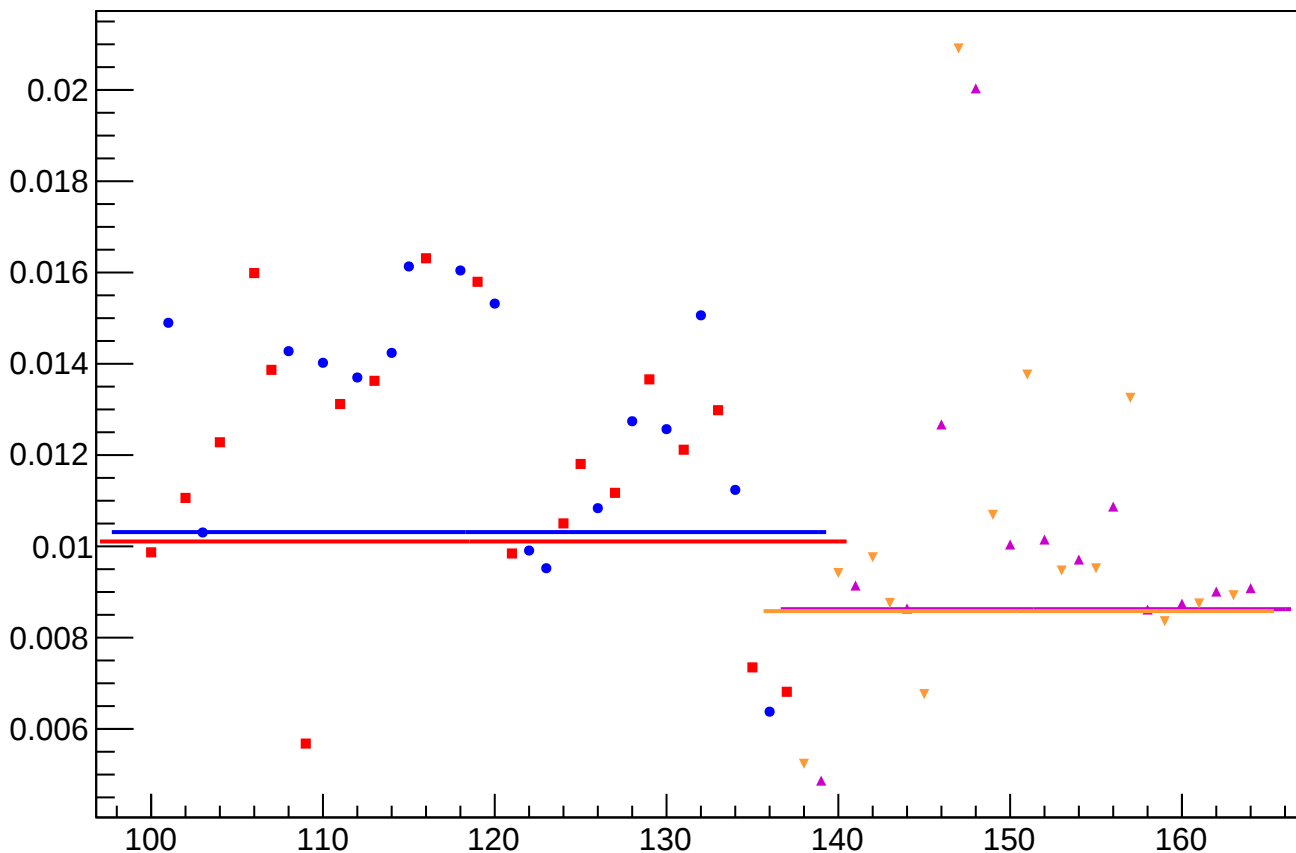
Left In: 1.162 $\pm$ 0.000

χ^2/NDF : 21986640716.7/12

All: 1.043 $\pm$ 0.000

χ^2/NDF : 71403465531.4/6

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 : 1560378.8/12

Left: 0.009+/-0.000 χ^2/NDF : 3216236.0/26

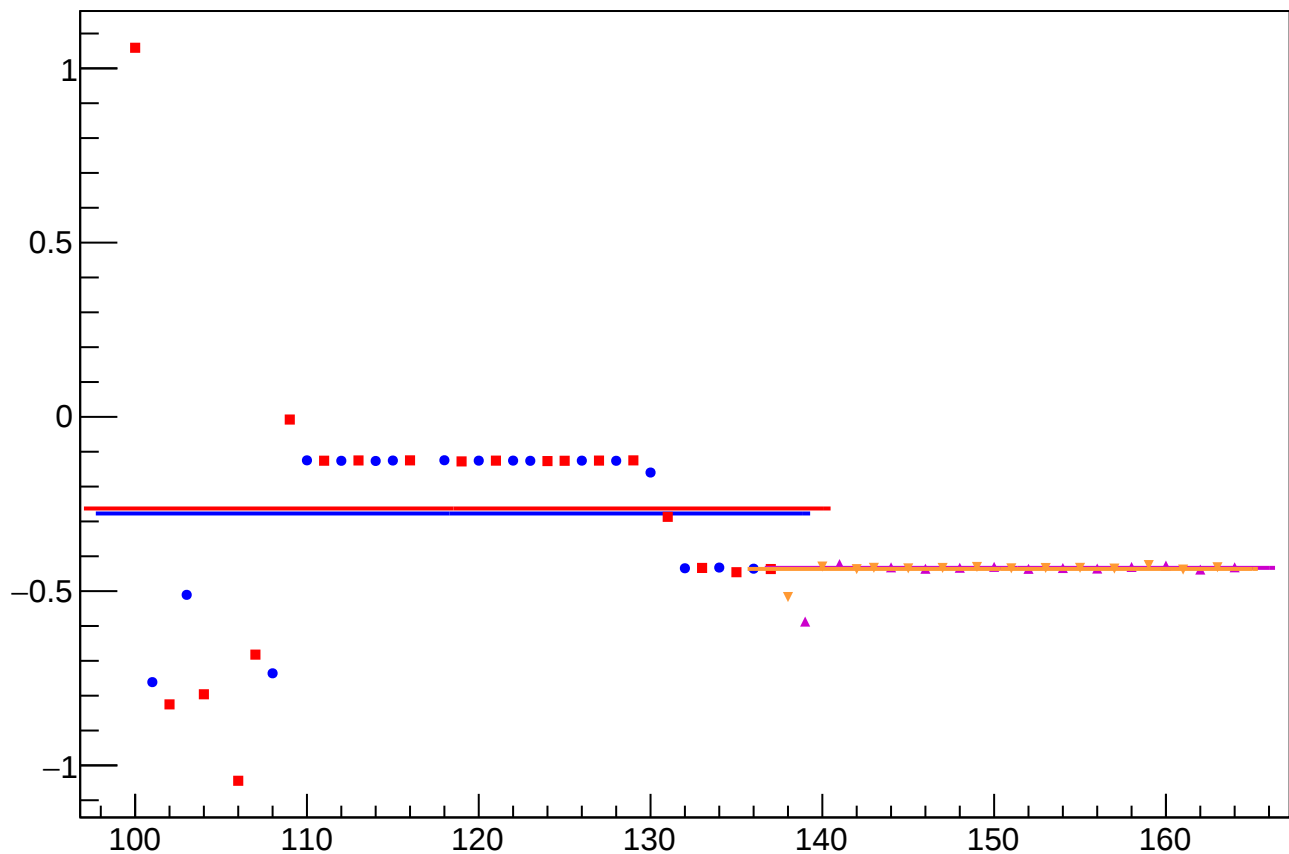
Right: 0.010+/-0.000 χ^2/NDF : 2411867.8/35

In: 0.009+/-0.000 χ^2/NDF : 3001640.2/29

Out: 0.009+/-0.000 χ^2/NDF : 3016408.5/32

All: 0.009+/-0.000 χ^2/NDF : 6018935.2/62

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 : 23368654.2/12

Left: -0.435 ± 0.000 χ^2/NDF : 49364493.0/26

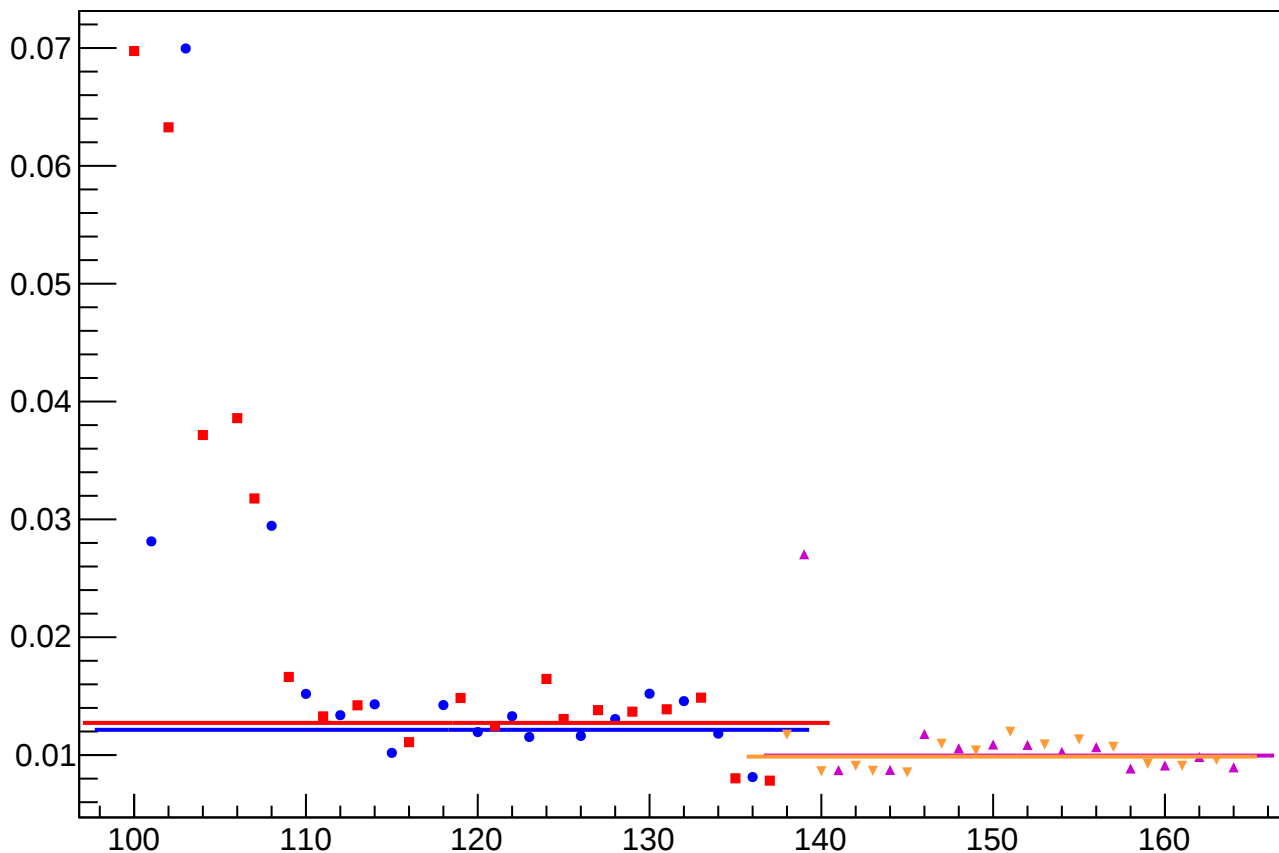
Right: -0.270 ± 0.000 χ^2/NDF : 1952121842.2/35

In: -0.391 ± 0.000 χ^2/NDF : 1530465308.2/29

Out: -0.392 ± 0.000 χ^2/NDF : 1705946154.4/32

All: -0.392 ± 0.000 χ^2/NDF : 3236592492.4/6

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:693885.3/12

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 918584.8/26

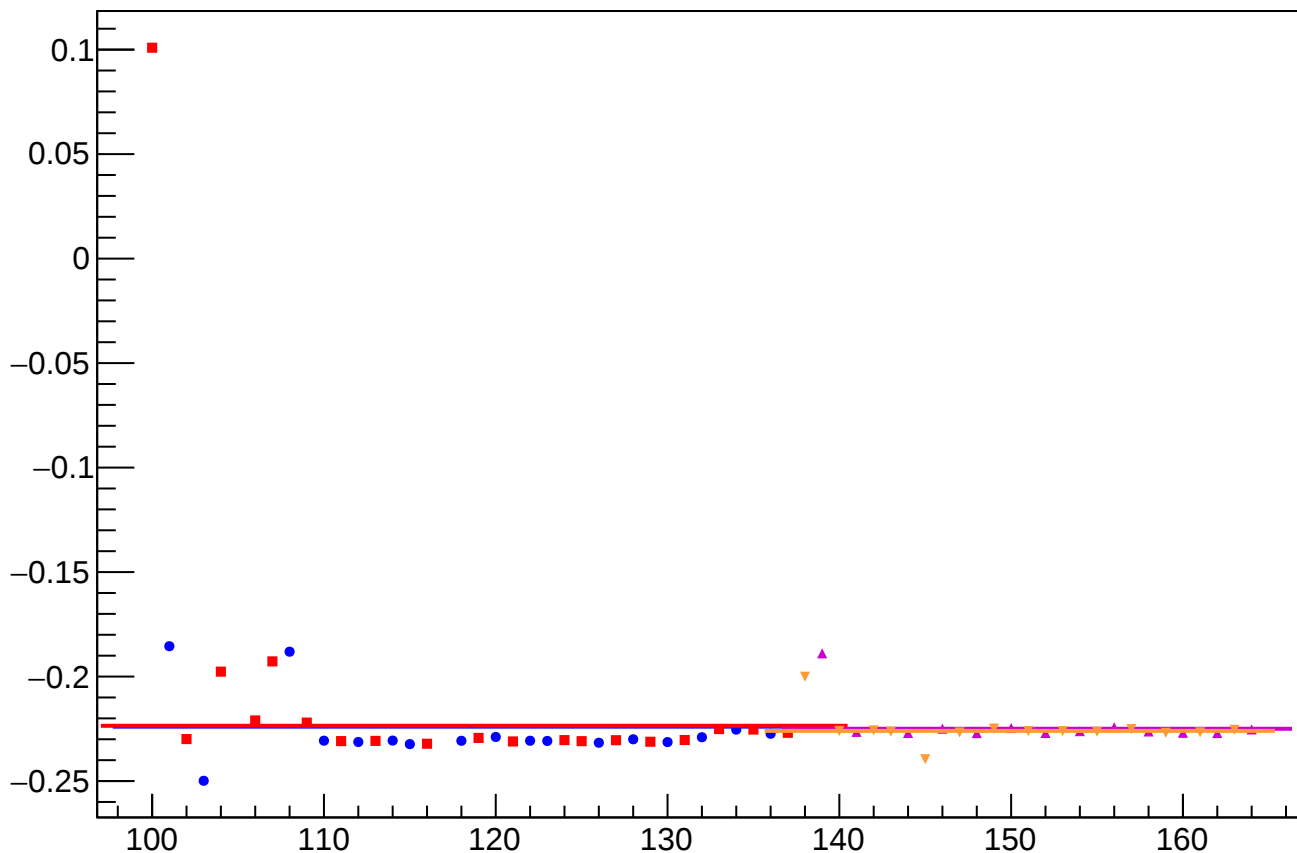
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3707277.9/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2643923.4/29

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:2558917.9/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5203025.7/62

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 : 14246479.7/12

Left: -0.225 ± 0.000 χ^2/NDF : 35013868.8/26

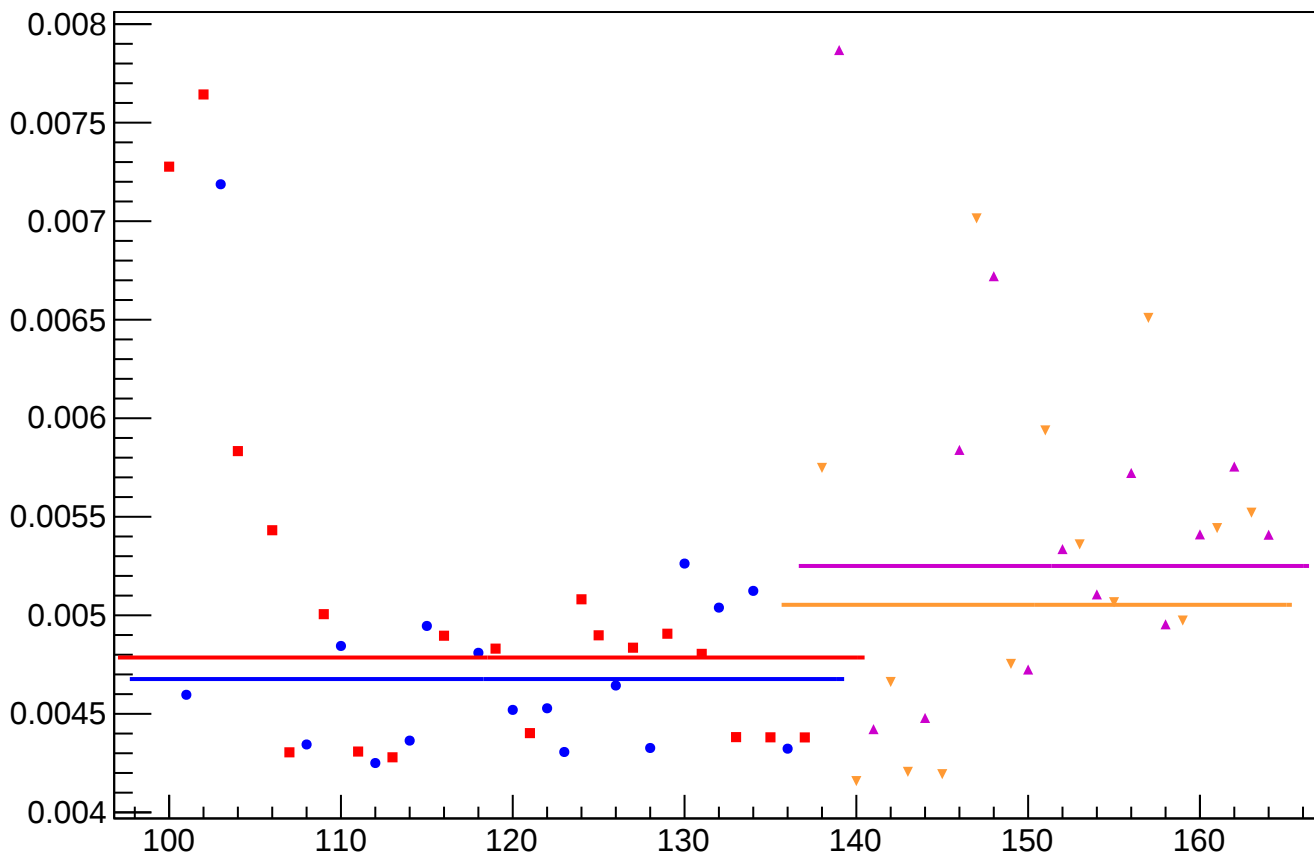
Right: -0.224 ± 0.000 χ^2/NDF : 242852935.9/35

In: -0.225 ± 0.000 χ^2/NDF : 89114826.4/29

Out: -0.225 ± 0.000 χ^2/NDF : 189665141.3/32

All: -0.225 ± 0.000 χ^2/NDF : 278838199.0/62

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 : 382393.9/12

Left: 0.005+/-0.000 χ^2/NDF : 841603.0/26

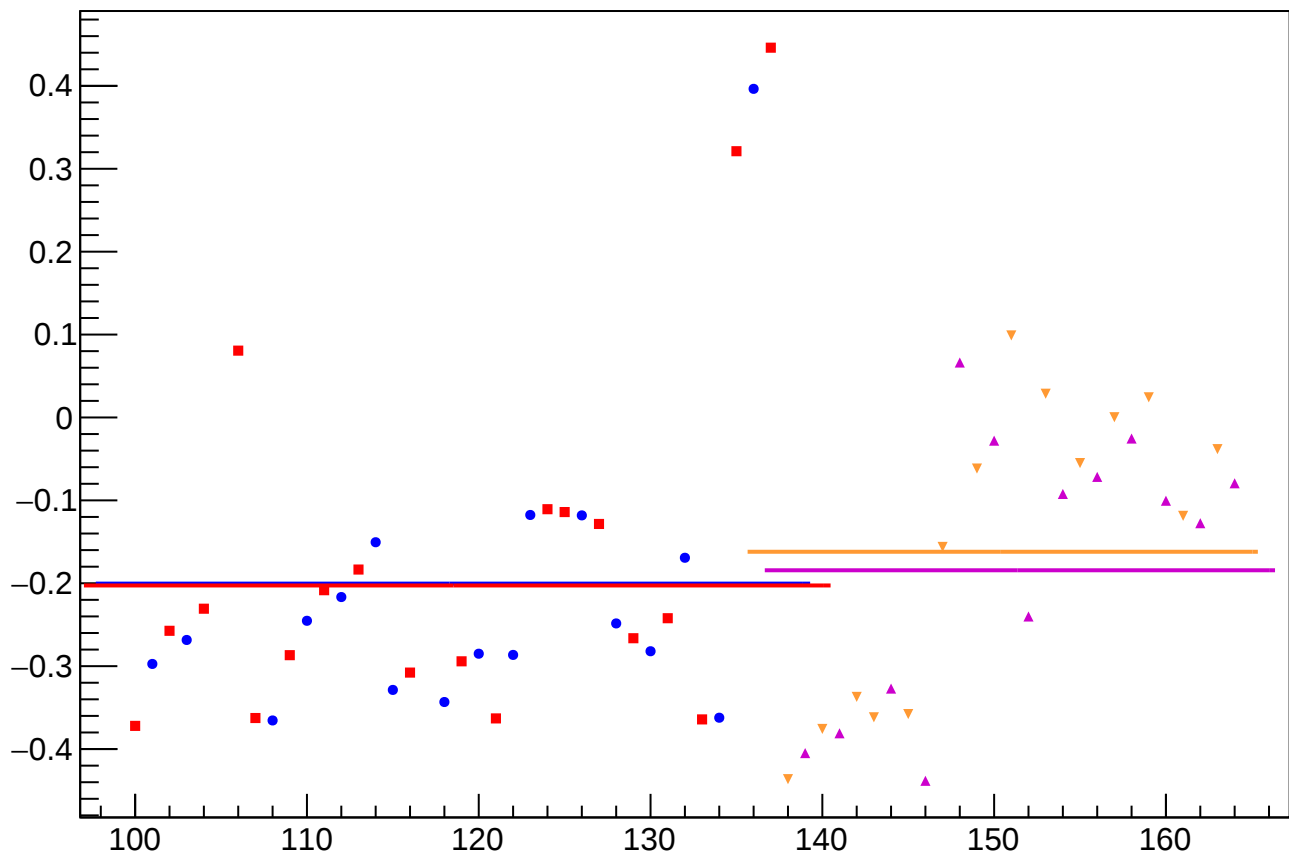
Right: 0.005+/-0.000 χ^2/NDF : 432848.2/35

In: 0.005+/-0.000 χ^2/NDF : 665057.5/29

Out: 0.005+/-0.000 χ^2/NDF : 716297.5/32

All: 0.005+/-0.000 χ^2/NDF : 1383420.9/62

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.200 ± 0.000 $\chi^2/\text{NDF}: 5973556486.0/16$

Left Out: -0.162 ± 0.000 $\chi^2/\text{NDF}: 10816003561.5/13$

Right Out: -0.203 ± 0.000 $\chi^2/\text{NDF}: 5028268807.1/18$

Left In: -0.184 ± 0.000 $\chi^2/\text{NDF}: 7643269470.3/12$

Left: -0.173 ± 0.000 $\chi^2/\text{NDF}: 18540919669.2/26$

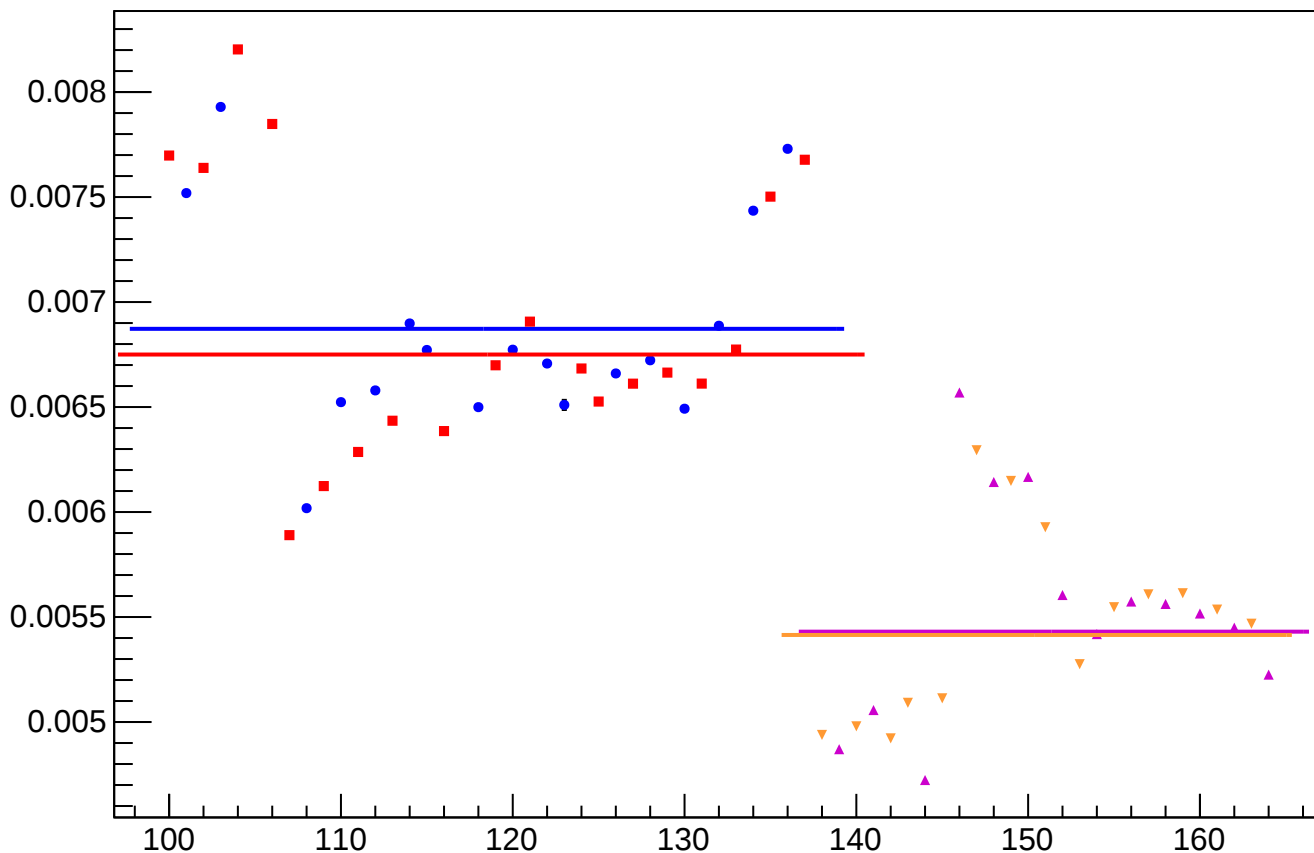
Right: -0.202 ± 0.000 $\chi^2/\text{NDF}: 11002181720.9/35$

In: -0.189 ± 0.000 $\chi^2/\text{NDF}: 13641980658.7/29$

Out: -0.175 ± 0.000 $\chi^2/\text{NDF}: 16015854678.9/32$

All: -0.182 ± 0.000 $\chi^2/\text{NDF}: 29707454507.7/70$

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 :145752.4/12

Left: 0.005+/-0.000 χ^2/NDF : 251368.2/26

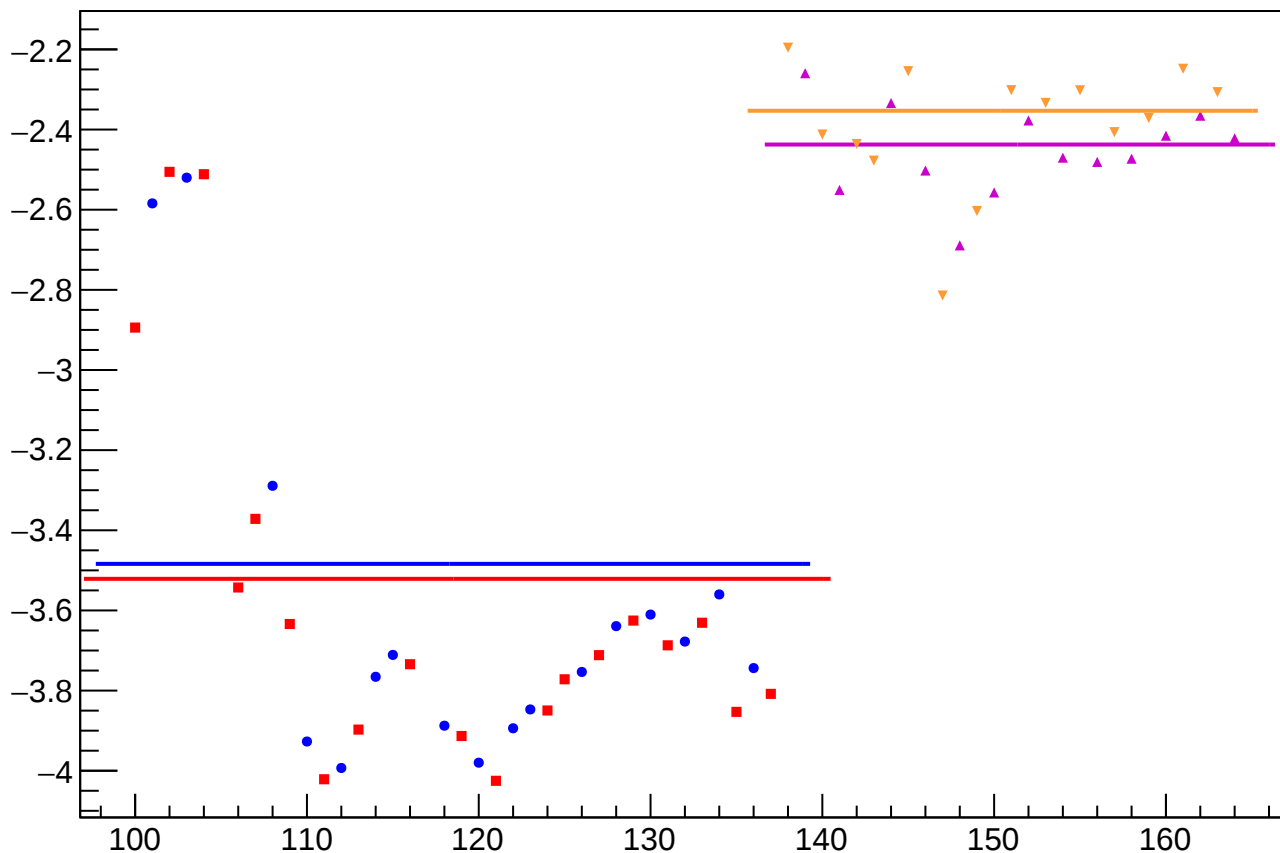
Right: 0.007+/-0.000 χ^2/NDF : 185903.4/35

In: 0.006+/-0.000 χ^2/NDF :628062.5/29

Out: 0.006+/-0.000 χ^2/NDF :580826.1/32

All: 0.006+/-0.000 χ^2/NDF : 1209419.8/62

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.484 $\pm$ 0.000 χ^2 /NDF: 27174302276.9/16

Left Out: -2.353 $\pm$ 0.000 χ^2 /NDF: 1652729378.9/13

Right Out: -3.521 $\pm$ 0.000 χ^2 /NDF: 26472007419.8/18

Left In: -2.437 $\pm$ 0.000 χ^2 /NDF: 934528236.0/12

Left: -2.395 $\pm$ 0.000 χ^2 /NDF: 3018897043.9/26

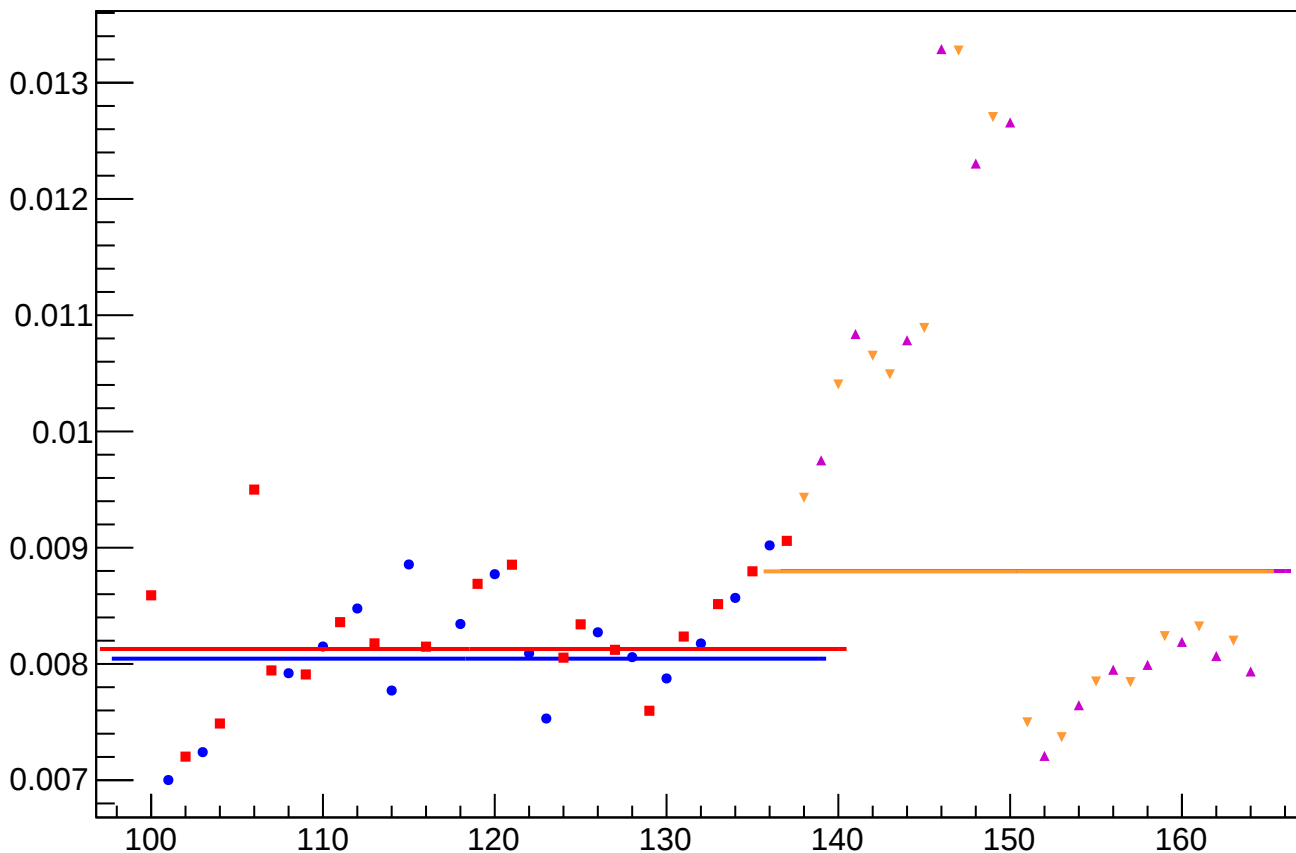
Right: -3.503 $\pm$ 0.000 χ^2 /NDF: 53717081893.8/35

In: -2.914 $\pm$ 0.000 χ^2 /NDF: 88106311178.4/29

Out: -2.885 $\pm$ 0.000 χ^2 /NDF: 104329393242.5/32

All: -2.899 $\pm$ 0.000 χ^2 /NDF: 192528126338.0

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 : 698669.7/12

Left: 0.009+/-0.000 χ^2/NDF : 1280280.8/26

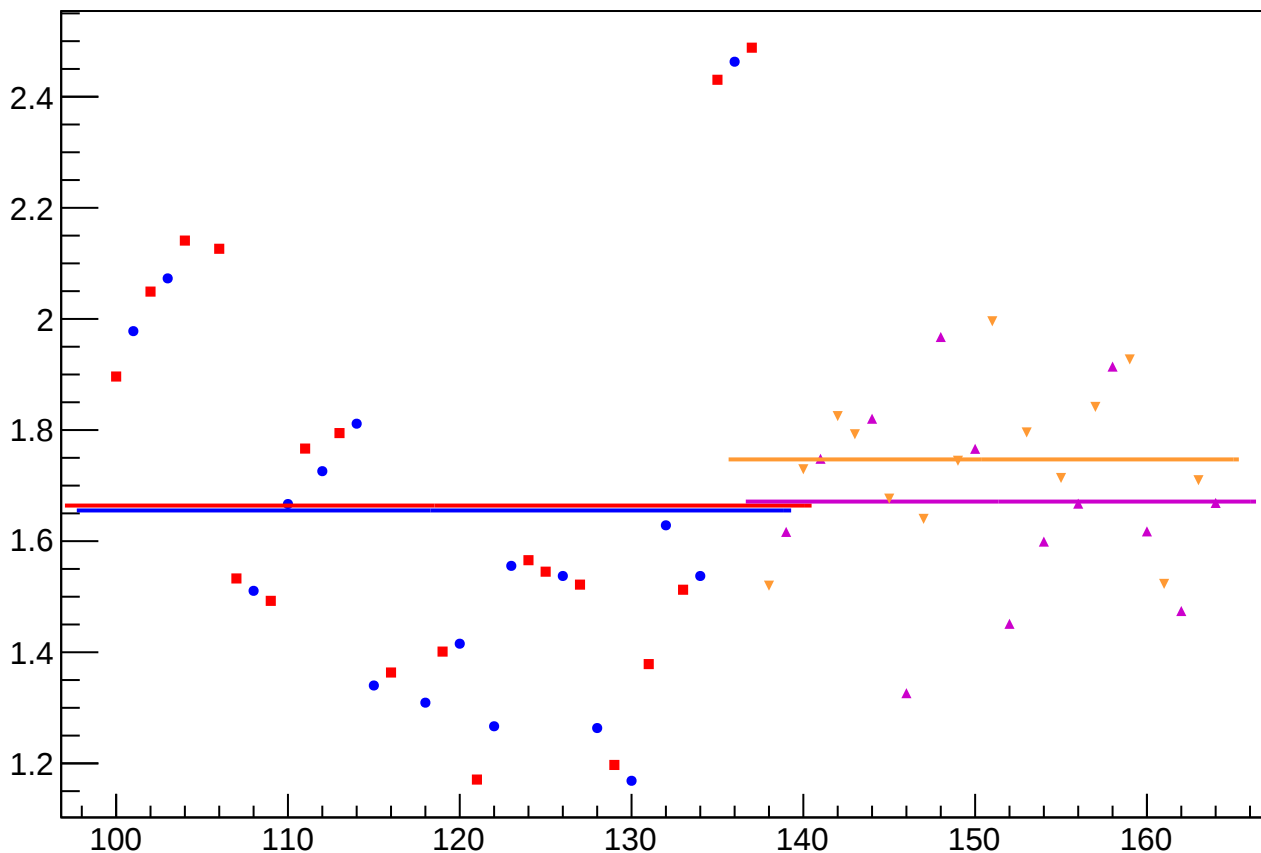
Right: 0.008+/-0.000 χ^2/NDF : 130173.8/35

In: 0.008+/-0.000 χ^2/NDF : 832967.8/29

Out: 0.008+/-0.000 χ^2/NDF : 688879.3/32

All: 0.008+/-0.000 χ^2/NDF : 1522139.3/62

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.747+/-0.000 χ^2/NDF :1503267054.5/13

Right Out: 1.664+/-0.000 χ^2/NDF : 5944262279.7/18

Left In: 1.671+/-0.000 χ^2/NDF :2242077618.8/12

Left: 1.710+/-0.000 χ^2/NDF : 3985611961.1/26

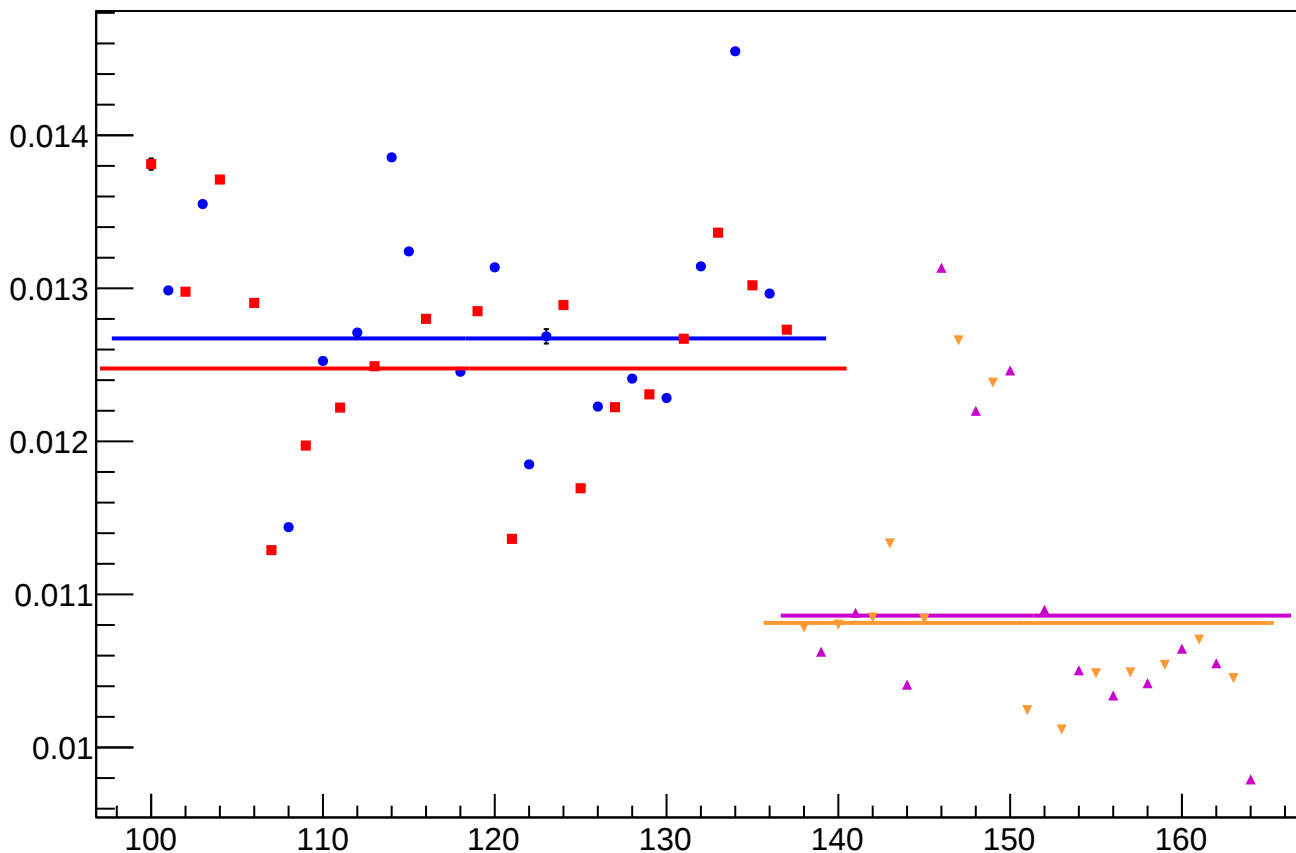
Right: 1.660+/-0.000 χ^2/NDF : 12422392259.9/35

In: 1.666+/-0.000 χ^2/NDF :8725534577.9/29

Out: 1.719+/-0.000 χ^2/NDF :7648229659.4/32

All: 1.693+/-0.000 χ^2/NDF : 16549050892.8/66

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 : 113149.4/12

Left: 0.011+/-0.000 χ^2/NDF : 187906.7/26

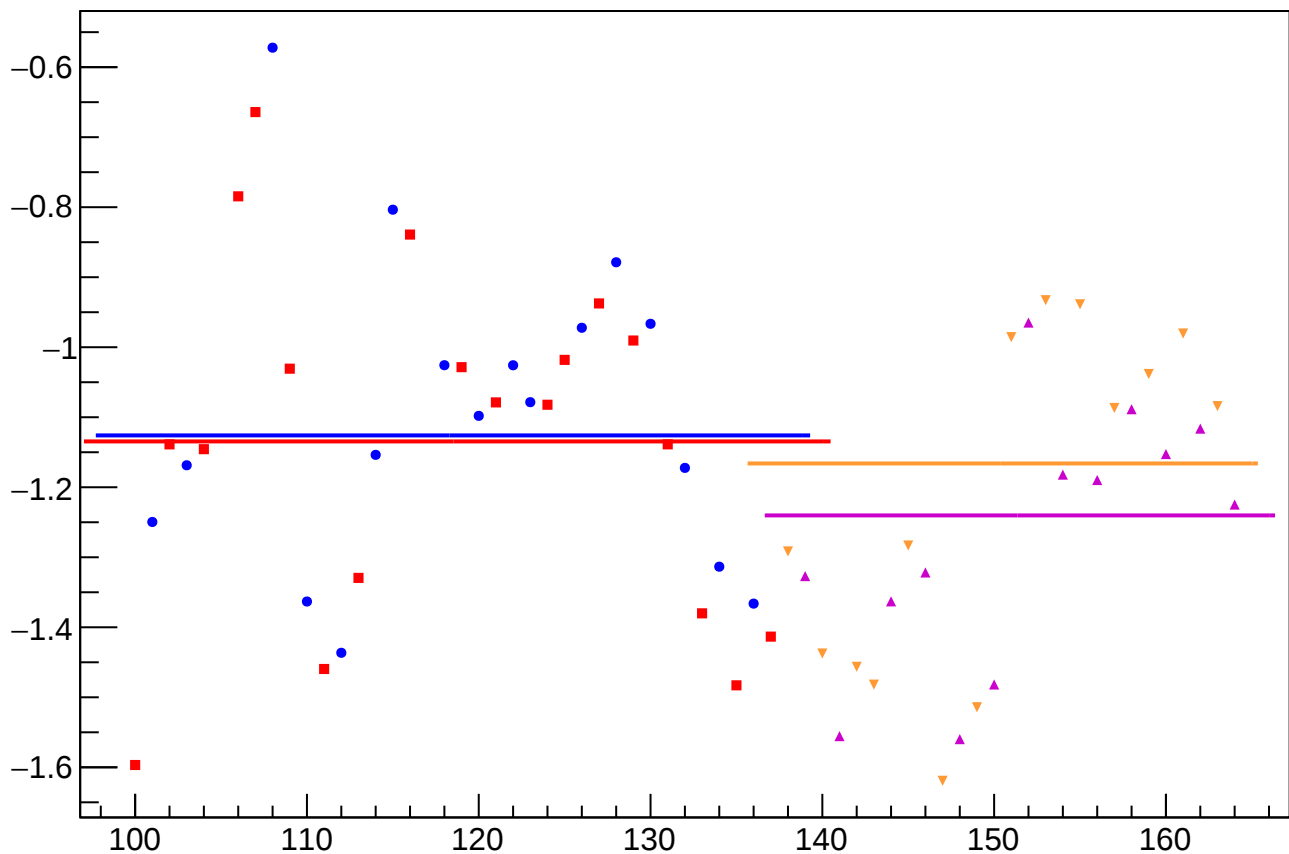
Right: 0.013+/-0.000 χ^2/NDF : 72572.8/35

In: 0.011+/-0.000 χ^2/NDF : 323786.5/29

Out: 0.011+/-0.000 χ^2/NDF : 274498.0/32

All: 0.011+/-0.000 χ^2/NDF : 599102.1/62

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.126 ± 0.000

χ^2/NDF : 3574776639.2/16

Left: -1.202 ± 0.000

χ^2/NDF : 11631388234.1/26

Left Out: -1.166 ± 0.000

χ^2/NDF : 7023917905.3/13

Right: -1.130 ± 0.000

χ^2/NDF : 7255318739.1/35

Right Out: -1.135 ± 0.000

χ^2/NDF : 3677461023.4/18

In: -1.198 ± 0.000

χ^2/NDF : 8464807840.1/29

Out: -1.155 ± 0.000

χ^2/NDF : 10754529381.7/32

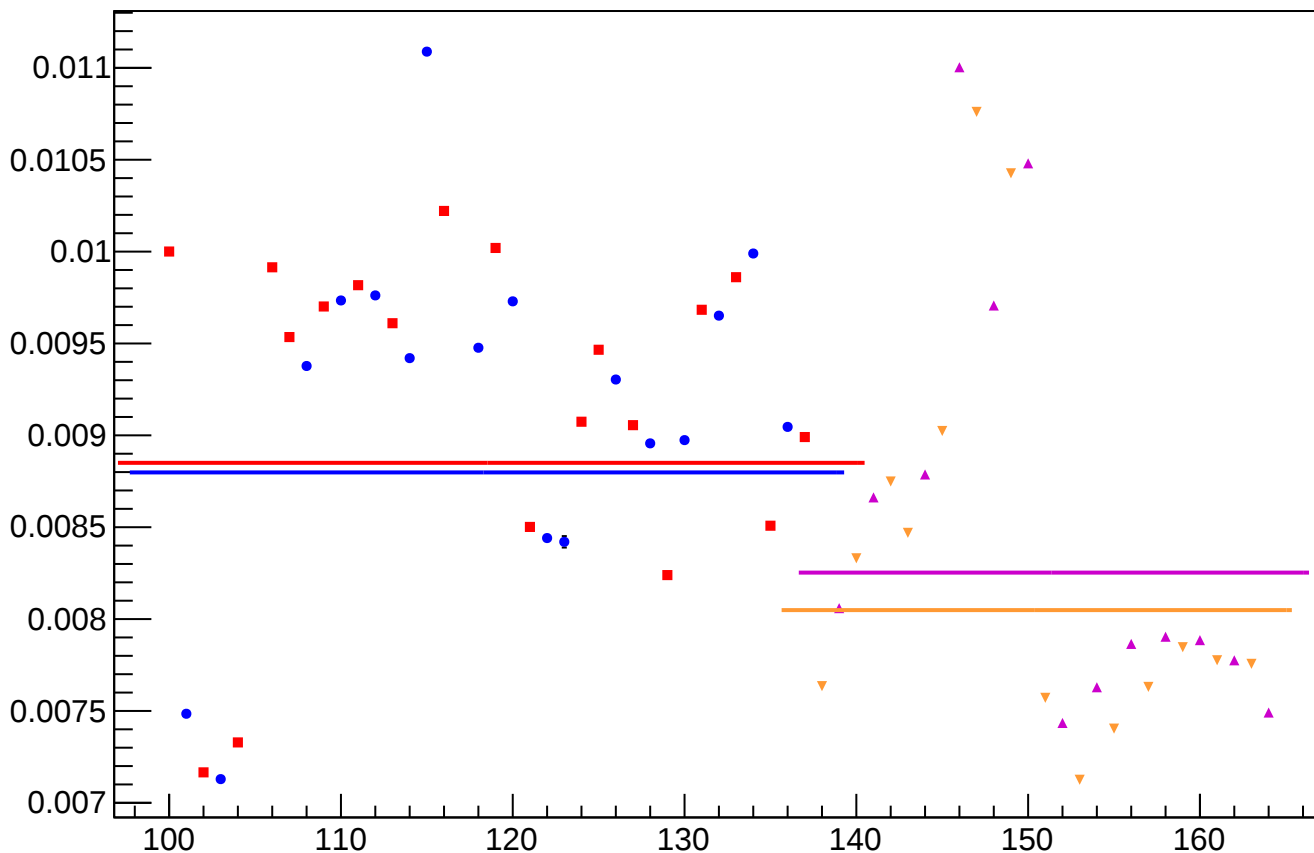
Left In: -1.240 ± 0.000

χ^2/NDF : 4215098436.0/12

All: -1.176 ± 0.000

χ^2/NDF : 19429449254.5/72

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 :241312.3/12

Left: 0.008+/-0.000 χ^2/NDF : 476847.1/26

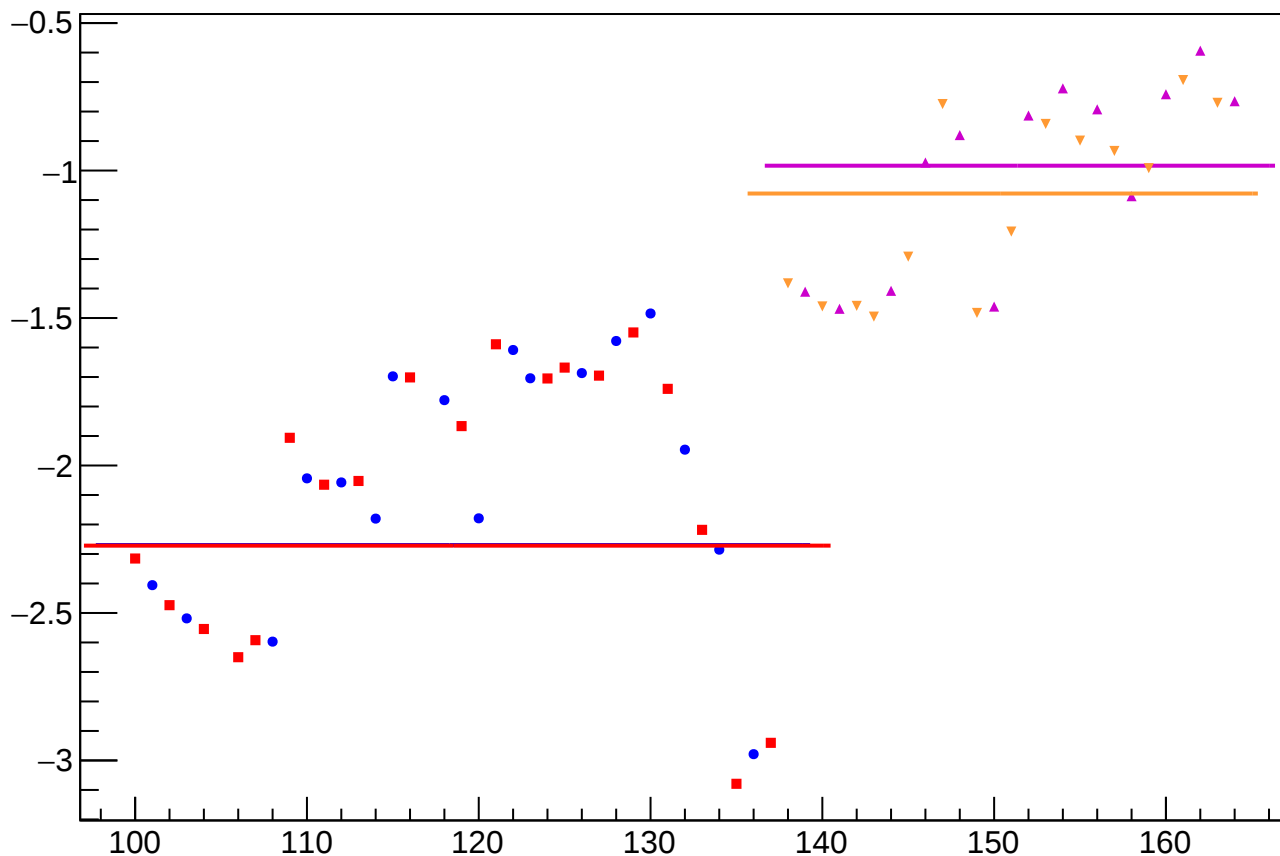
Right: 0.009+/-0.000 χ^2/NDF : 325772.0/35

In: 0.008+/-0.000 χ^2/NDF :423633.4/29

Out: 0.008+/-0.000 χ^2/NDF :472430.0/32

All: 0.008+/-0.000 χ^2/NDF : 899017.1/62

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.078+/-0.000 χ^2/NDF : 16008669369.9/13

Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

Left In: -0.984+/-0.000 χ^2/NDF : 17692293361.4/12

Left: -1.030+/-0.000 χ^2/NDF : 34596953807.8/26

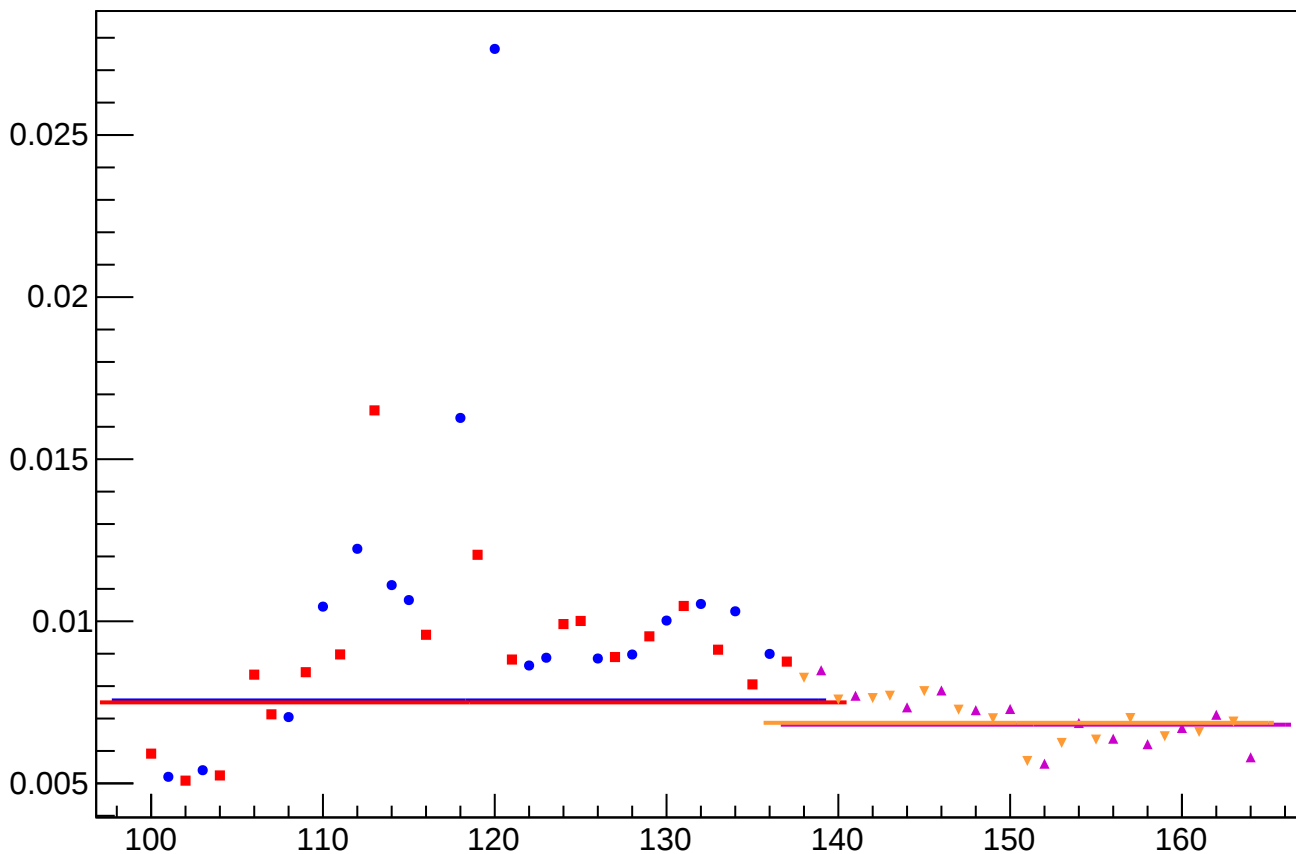
Right: -2.271+/-0.000 χ^2/NDF : 36418070927.0/35

In: -1.373+/-0.000 χ^2/NDF : 136672583599.0/29

Out: -1.475+/-0.000 χ^2/NDF : 129718626177.5/32

All: -1.425+/-0.000 χ^2/NDF : 267918810951.5

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:246110.9/12

Left: 0.007 $\pm$ 0.000 χ^2 /NDF: 436520.8/26

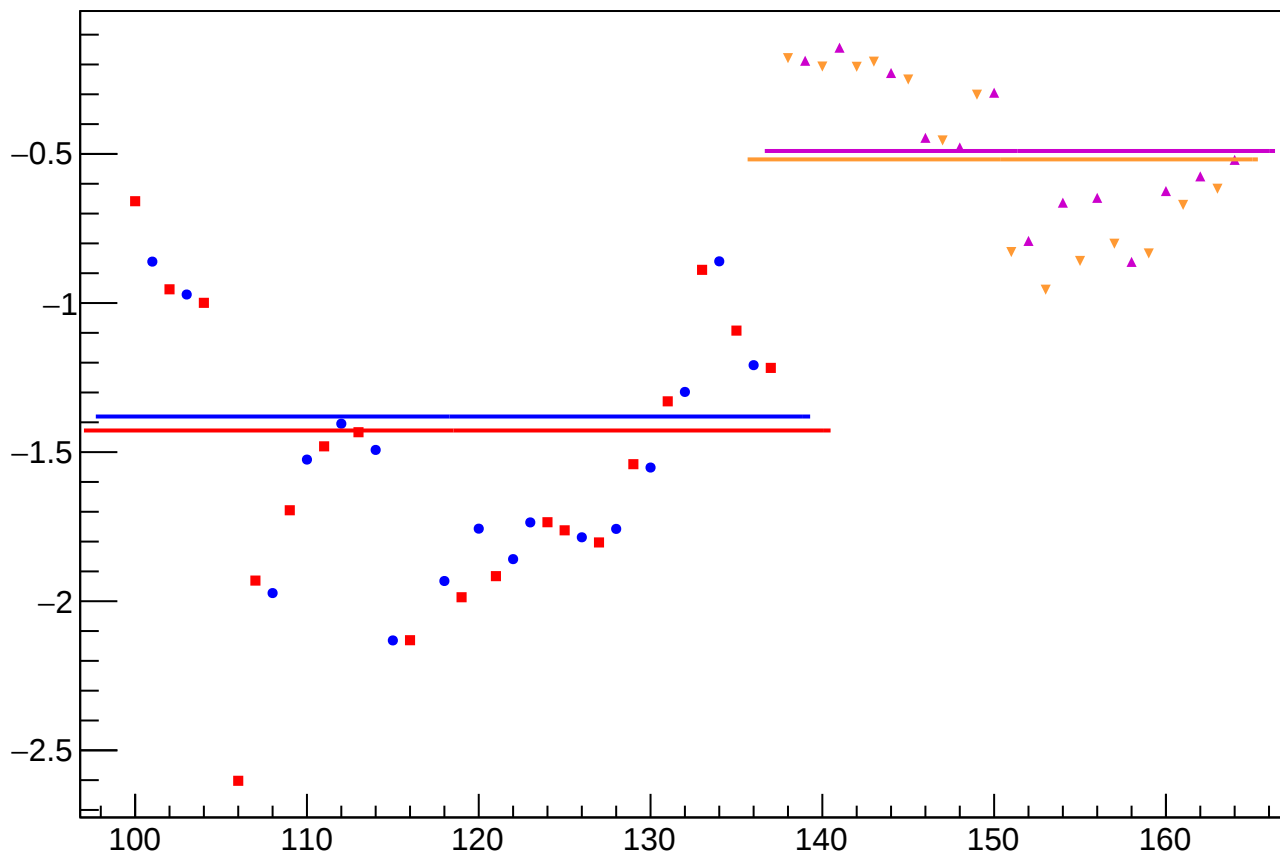
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 2155335.5/35

In: 0.007 $\pm$ 0.000 χ^2 /NDF:1535781.2/29

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1176431.1/32

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2712714.1/62

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.518+/-0.000 χ^2/NDF : 44307741538.9/13

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

Left In: -0.490+/-0.000 χ^2/NDF : 28051128216.4/12

Left: -0.504+/-0.000 χ^2/NDF : 72573979445.0/26

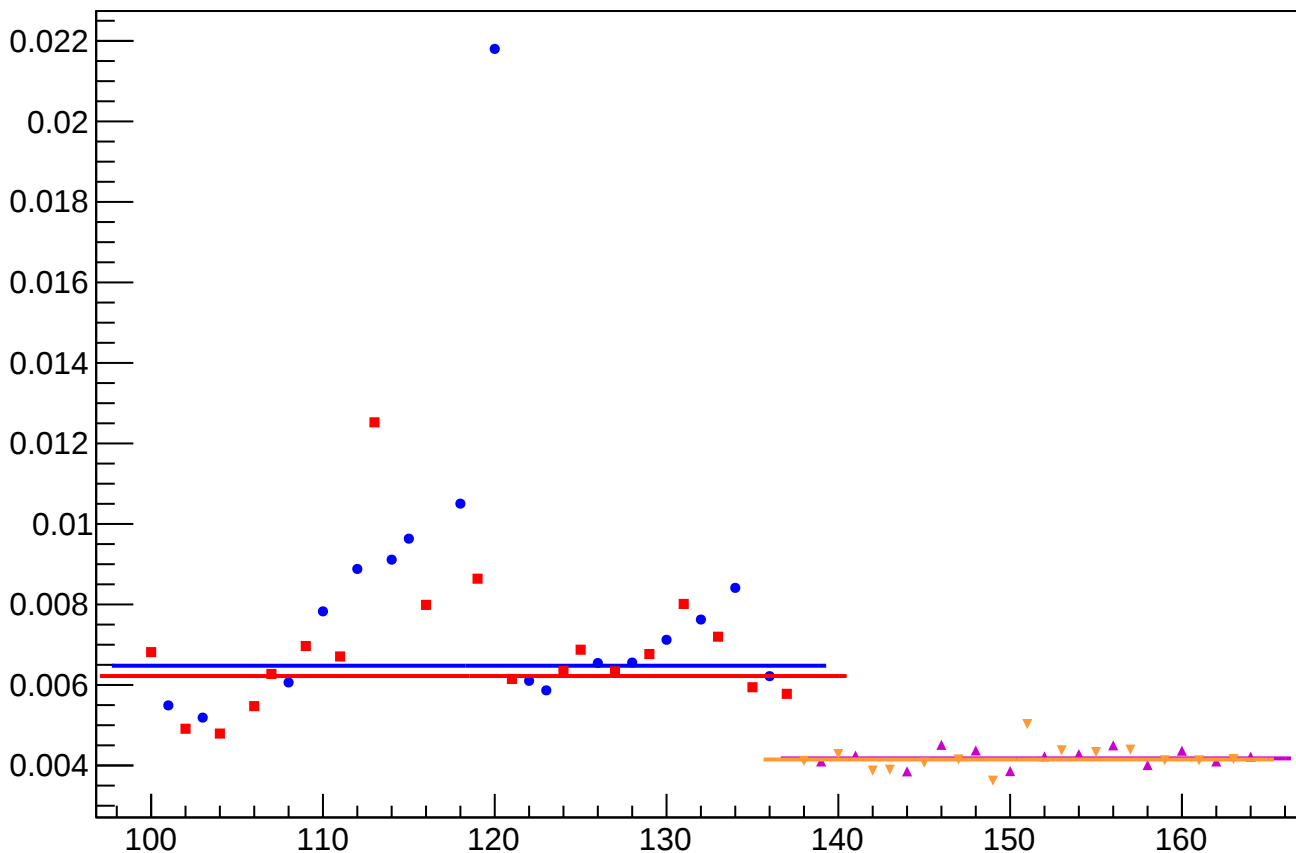
Right: -1.406+/-0.000 χ^2/NDF : 49770978716.8/35

In: -0.664+/-0.000 χ^2/NDF : 130894743466.4/29

Out: -0.716+/-0.000 χ^2/NDF : 172157167691.3/32

All: -0.691+/-0.000 χ^2/NDF : 303978801766.5

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 : 46757.0/12

Left: 0.004+/-0.000 χ^2/NDF : 134476.2/26

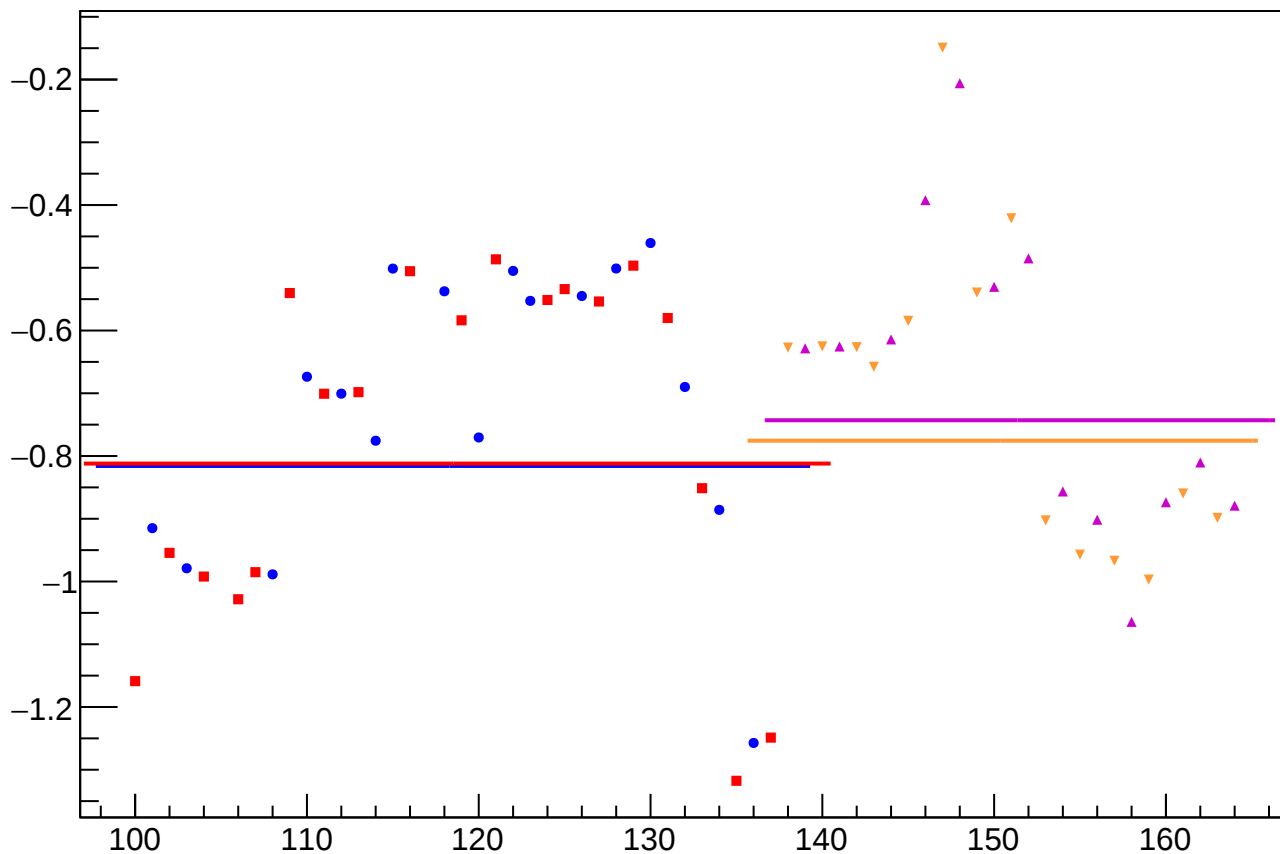
Right: 0.006+/-0.000 χ^2/NDF : 1005263.6/35

In: 0.005+/-0.000 χ^2/NDF : 1726776.4/29

Out: 0.005+/-0.000 χ^2/NDF : 1533041.7/32

All: 0.005+/-0.000 χ^2/NDF : 3260263.8/62

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.776+/-0.000 χ^2/NDF : 25282397091.8/13

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

Left In: -0.743+/-0.000 χ^2/NDF : 25937863647.5/12

Left: -0.759+/-0.000 χ^2/NDF : 51498524876.8/26

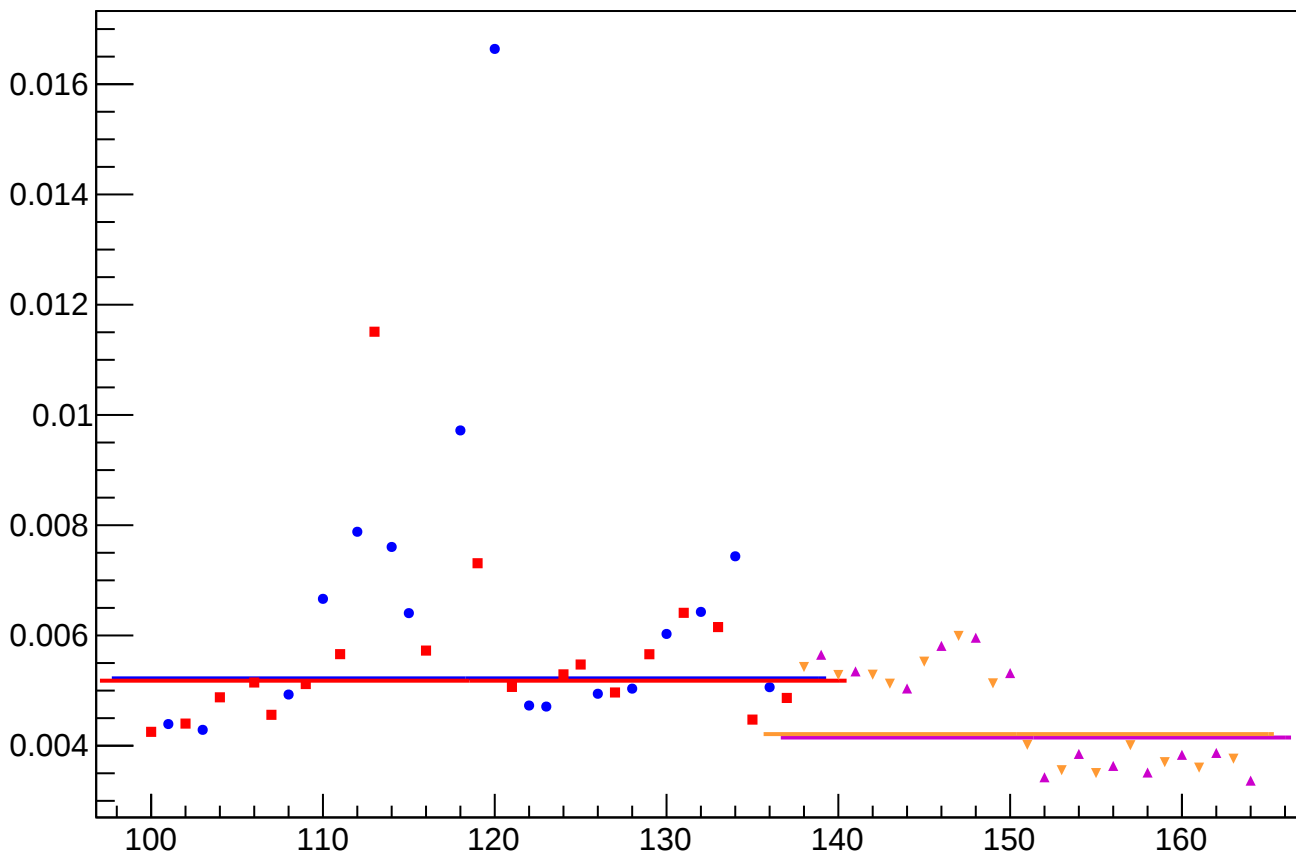
Right: -0.814+/-0.000 χ^2/NDF : 30990213454.0/35

In: -0.763+/-0.000 χ^2/NDF : 40869426175.9/29

Out: -0.786+/-0.000 χ^2/NDF : 42304741761.0/32

All: -0.775+/-0.000 χ^2/NDF : 83382910794.8/70

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 : 785042.4/12

Left: 0.004+/-0.000 χ^2/NDF : 1443953.8/26

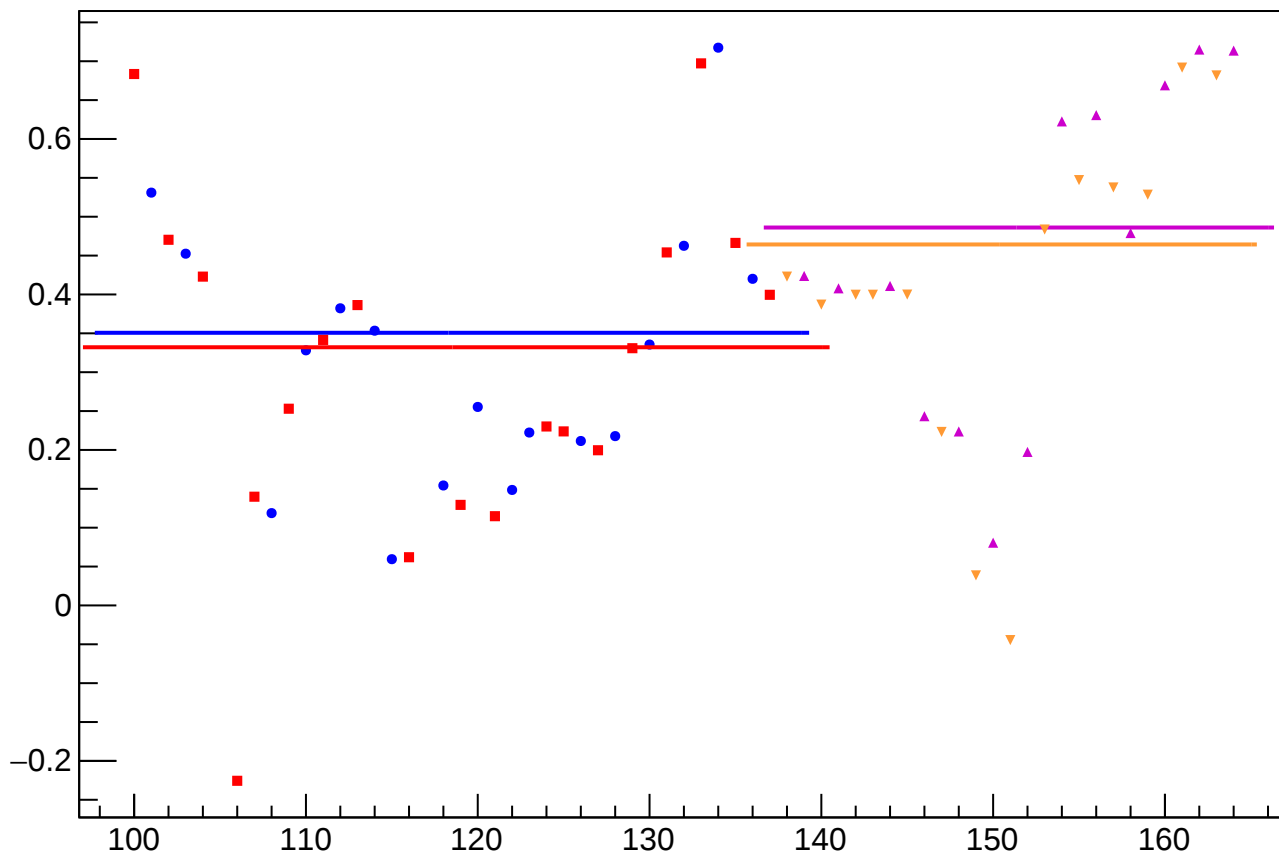
Right: 0.005+/-0.000 χ^2/NDF : 1028532.8/35

In: 0.004+/-0.000 χ^2/NDF : 1779154.7/29

Out: 0.005+/-0.000 χ^2/NDF : 1312119.4/32

All: 0.004+/-0.000 χ^2/NDF : 3094163.0/62

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.351+/-0.000

χ^2/NDF : 7410859446.3/16

Left: 0.475+/-0.000

χ^2/NDF : 60281560403.3/26

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: 0.445+/-0.000

χ^2/NDF : 42342328585.6/29

Out: 0.421+/-0.000

χ^2/NDF : 45971914354.4/32

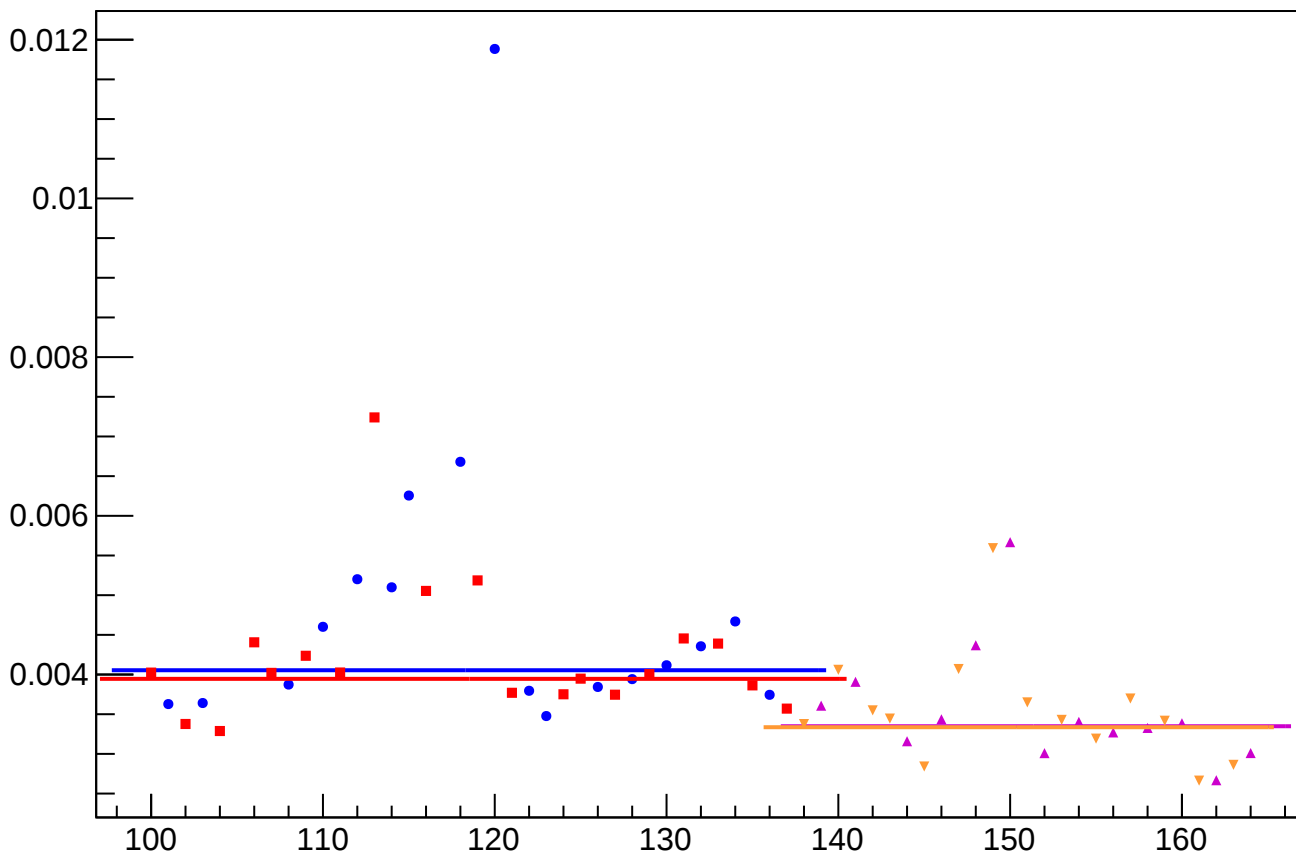
Left In: 0.486+/-0.000

χ^2/NDF : 30516364840.3/12

All: 0.432+/-0.000

χ^2/NDF : 88655122968.1/6

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 : 497488.2/12

Left: 0.003+/-0.000 χ^2/NDF : 1008358.3/26

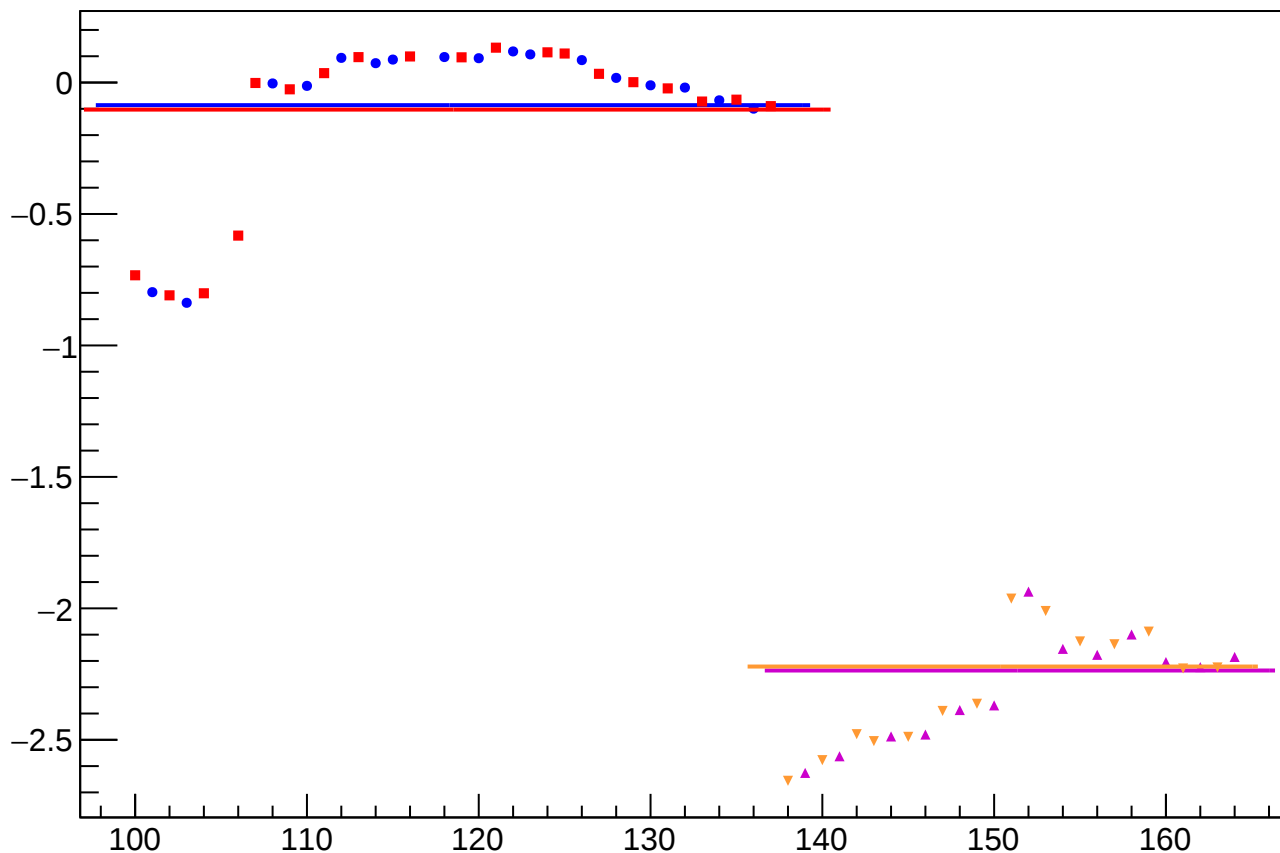
Right: 0.004+/-0.000 χ^2/NDF : 720633.0/35

In: 0.004+/-0.000 χ^2/NDF : 1192697.1/29

Out: 0.004+/-0.000 χ^2/NDF : 967138.2/32

All: 0.004+/-0.000 χ^2/NDF : 2160623.5/62

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.000 $\chi^2/\text{NDF}: 4989387592.7/16$

Left Out: -2.221 ± 0.000 $\chi^2/\text{NDF}: 3413503356.0/13$

Right Out: -0.103 ± 0.000 $\chi^2/\text{NDF}: 5553039516.7/18$

Left In: -2.236 ± 0.000 $\chi^2/\text{NDF}: 2682559736.3/12$

Left: -2.229 ± 0.000 $\chi^2/\text{NDF}: 6105150854.9/26$

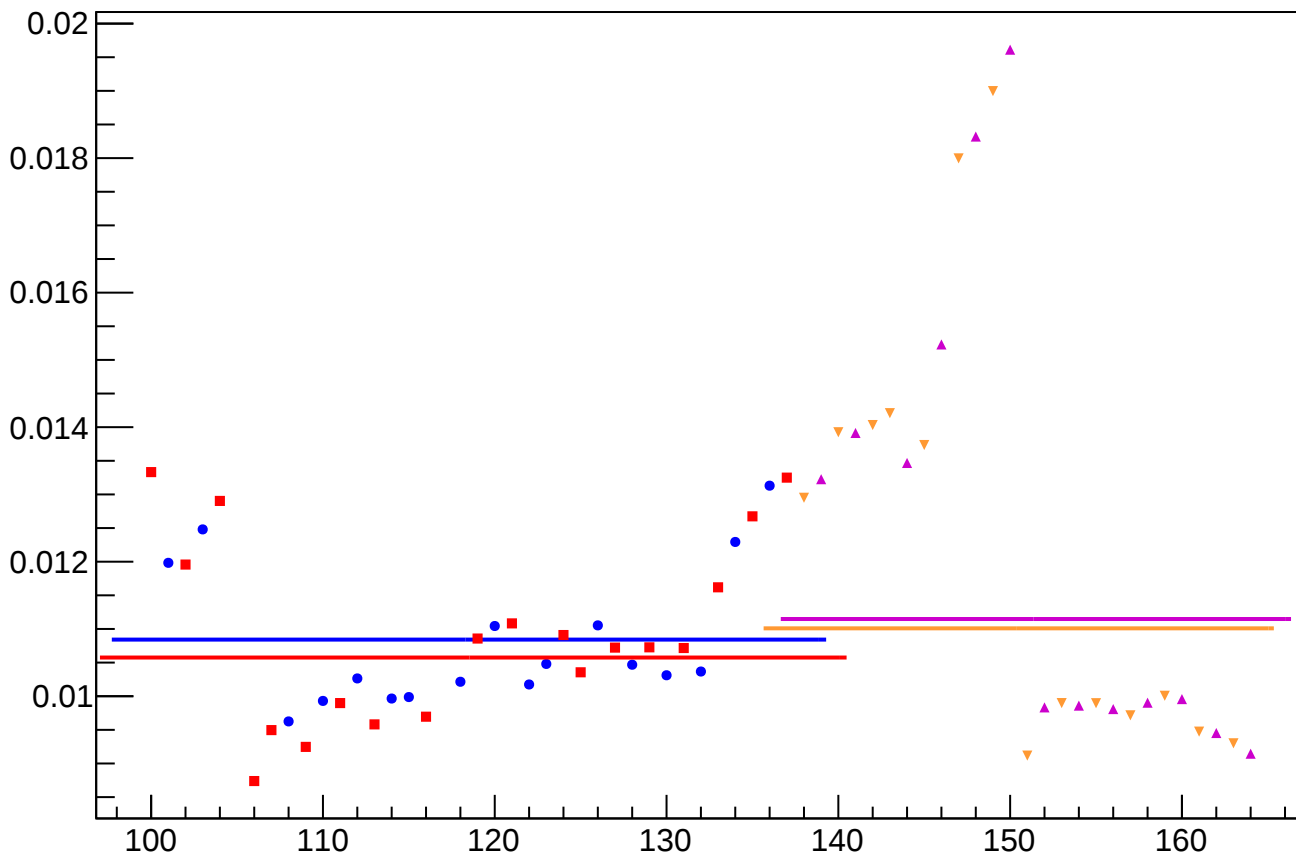
Right: -0.095 ± 0.000 $\chi^2/\text{NDF}: 10550892801.3/35$

In: -1.333 ± 0.000 $\chi^2/\text{NDF}: 159142827461.9/29$

Out: -1.302 ± 0.000 $\chi^2/\text{NDF}: 168248639431.5/32$

All: -1.317 ± 0.000 $\chi^2/\text{NDF}: 327460445361.6$

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 :1074101.1/12

Left: 0.011+/-0.000 χ^2/NDF : 2103710.1/26

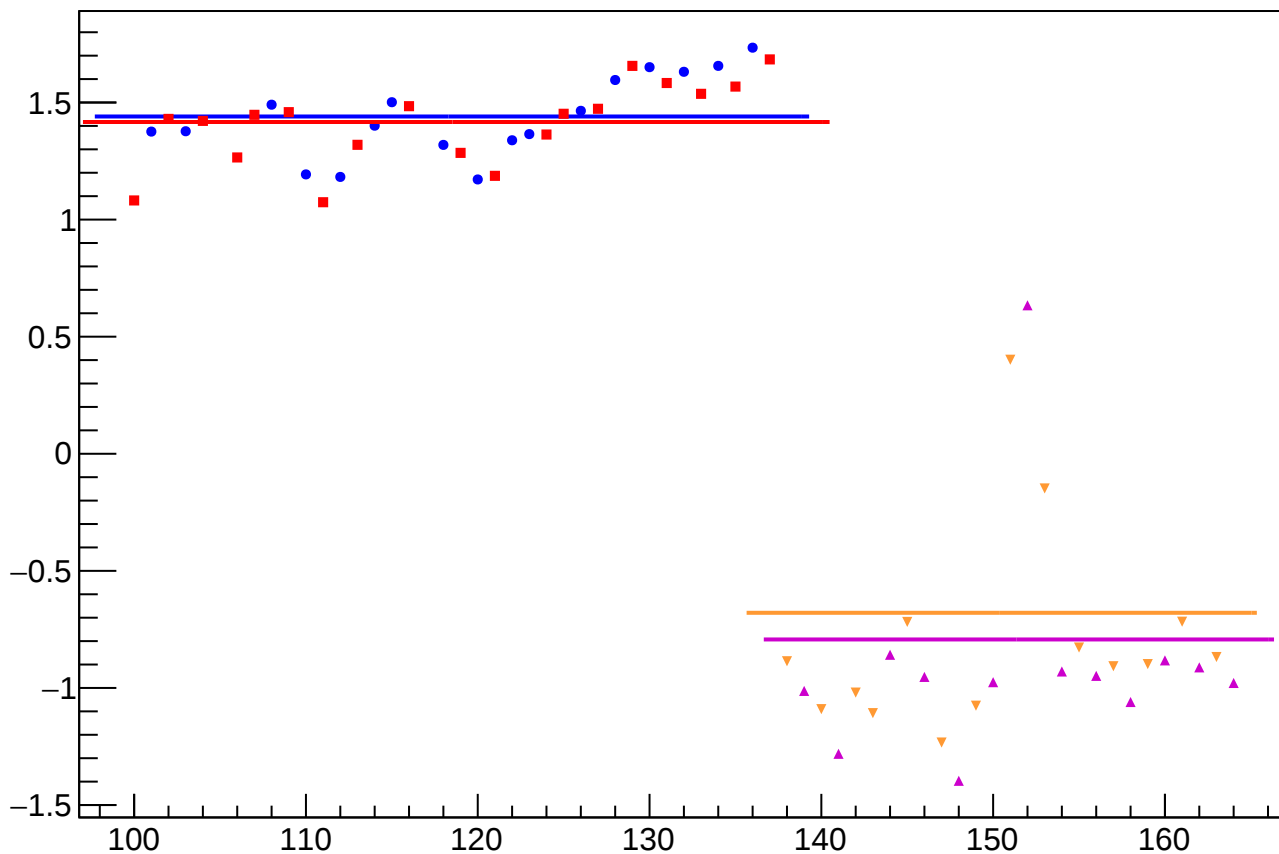
Right: 0.011+/-0.000 χ^2/NDF : 307452.7/35

In: 0.011+/-0.000 χ^2/NDF :1204499.7/29

Out: 0.011+/-0.000 χ^2/NDF :1220406.7/32

All: 0.011+/-0.000 χ^2/NDF : 2430399.8/62

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.440+/-0.000 χ^2/NDF : 3449252780.8/16

Left Out: -0.679+/-0.000 χ^2/NDF : 29706772260.1/13

Right Out: 1.417+/-0.000 χ^2/NDF : 2674064512.3/18

Left In: -0.793+/-0.000 χ^2/NDF : 39490627335.3/12

Left: -0.735+/-0.000 χ^2/NDF : 70080565719.3/26

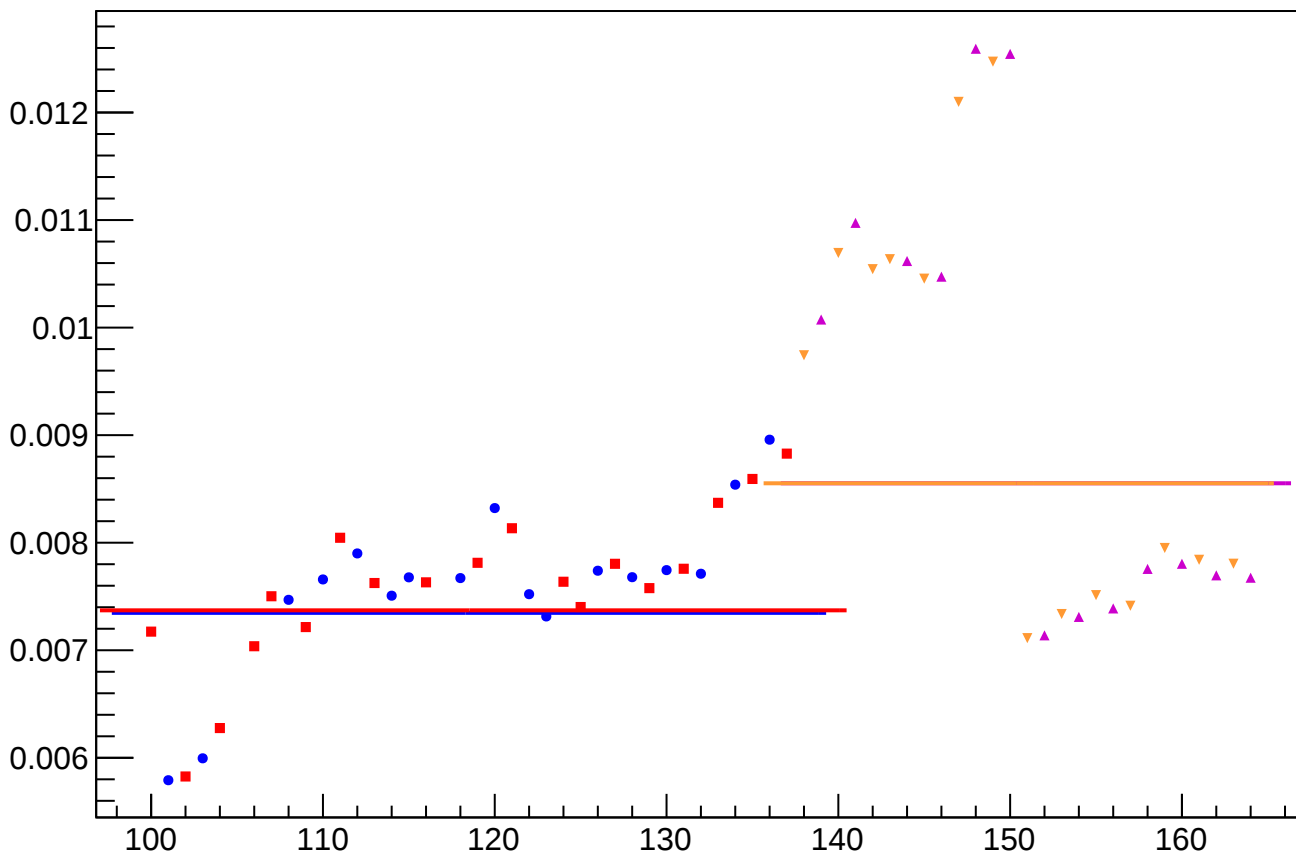
Right: 1.428+/-0.000 χ^2/NDF : 6158088082.8/35

In: 0.268+/-0.000 χ^2/NDF : 362329487926.5/29

Out: 0.335+/-0.000 χ^2/NDF : 325056765202.4/32

All: 0.302+/-0.000 χ^2/NDF : 687972712167.2

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 : 789945.1/12

Left: 0.009+/-0.000 χ^2/NDF : 1509784.2/26

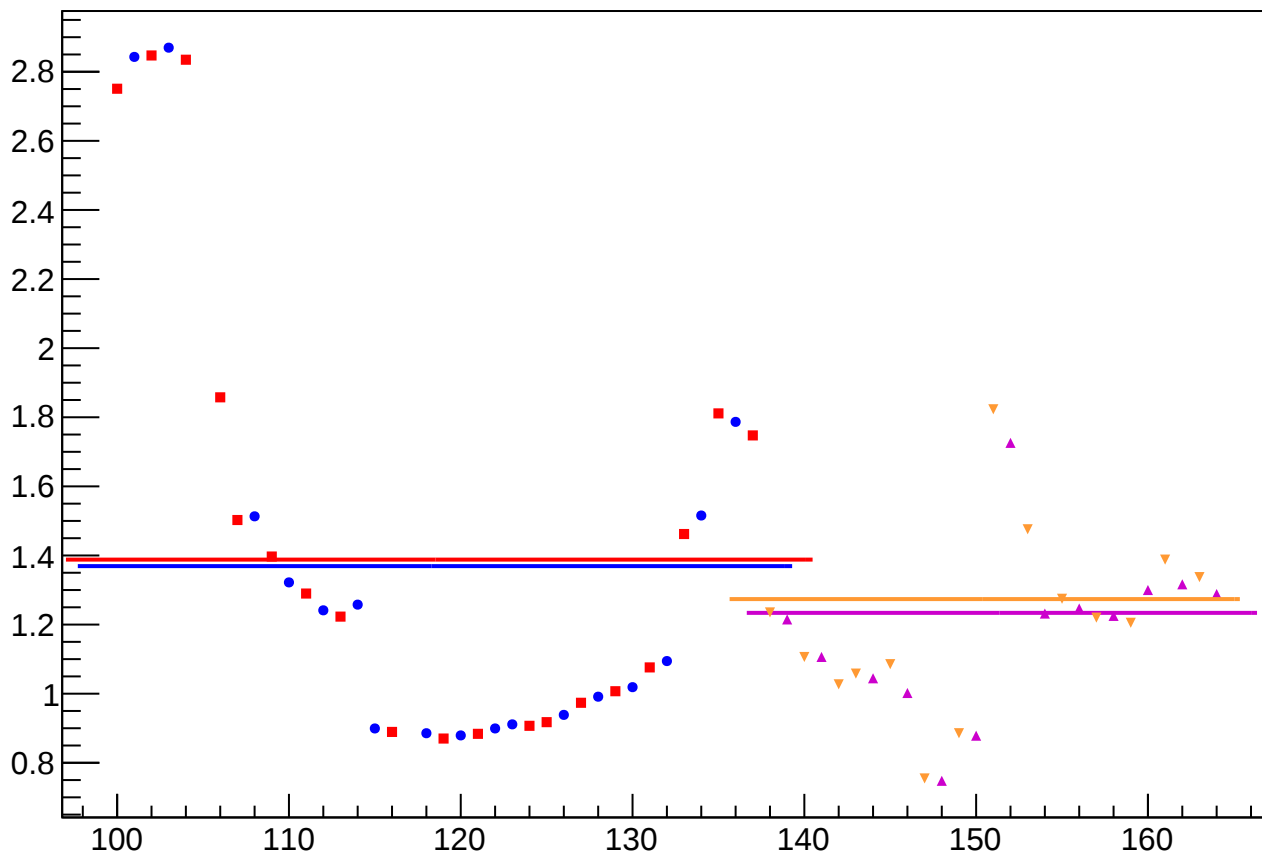
Right: 0.007+/-0.000 χ^2/NDF : 400921.9/35

In: 0.008+/-0.000 χ^2/NDF : 1204012.4/29

Out: 0.008+/-0.000 χ^2/NDF : 1078469.5/32

All: 0.008+/-0.000 χ^2/NDF : 2282482.0/62

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: 1.234+/-0.000 χ^2/NDF : 7036107028.5/12

Left: 1.254+/-0.000 χ^2/NDF : 16160913453.4/26

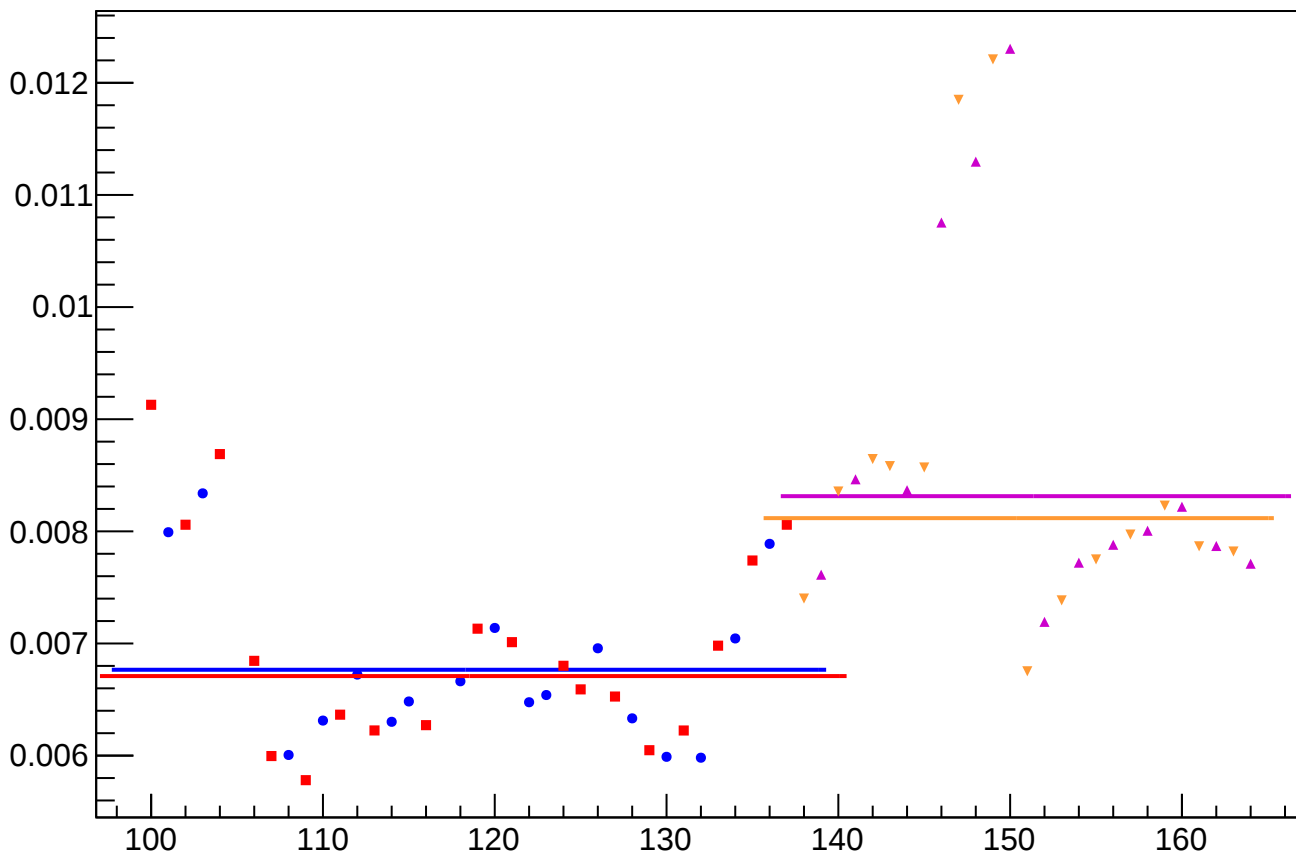
Right: 1.379+/-0.000 χ^2/NDF : 104132252851.6/35

In: 1.302+/-0.000 χ^2/NDF : 62550240559.8/29

Out: 1.332+/-0.000 χ^2/NDF : 59906811753.5/32

All: 1.318+/-0.000 χ^2/NDF : 122587031185.7

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 : 427889.4/12

Left: 0.008+/-0.000 χ^2/NDF : 843253.8/26

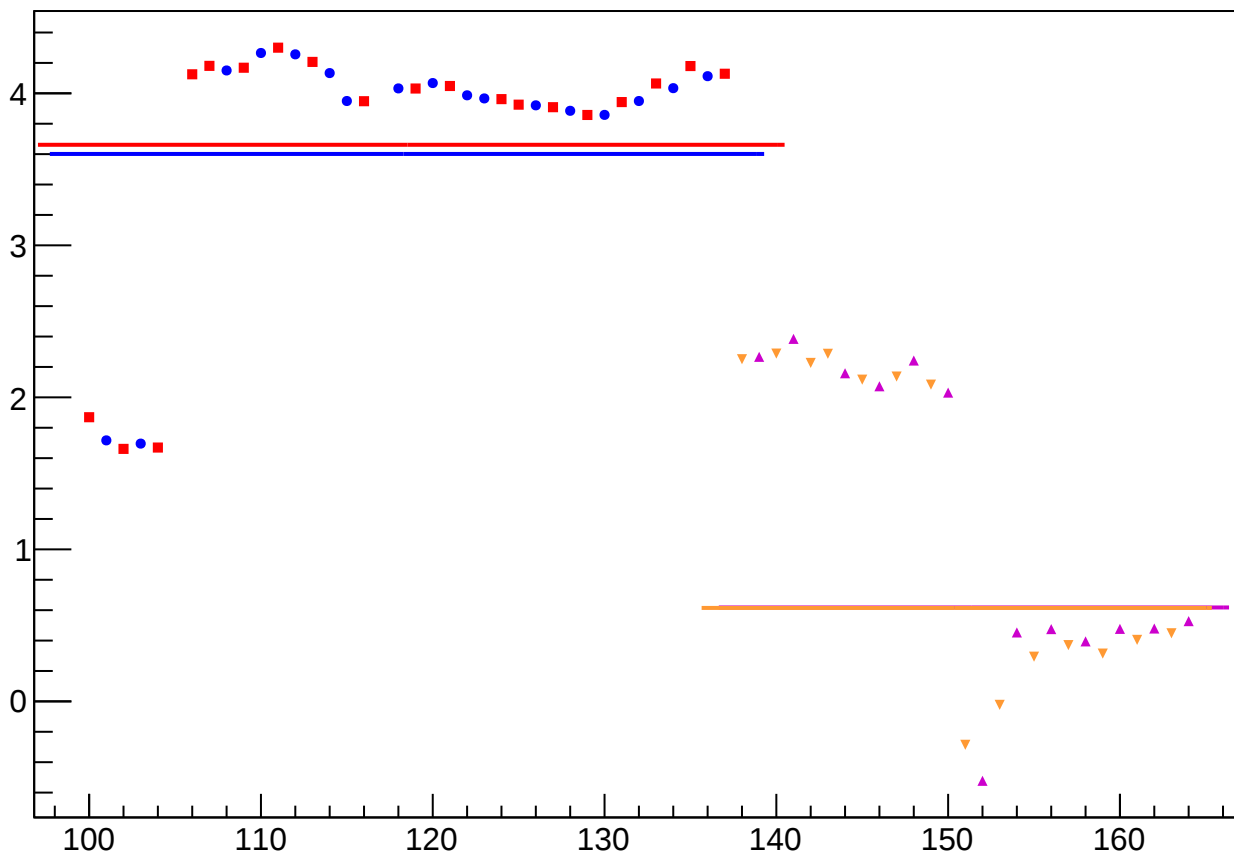
Right: 0.007+/-0.000 χ^2/NDF : 347856.0/35

In: 0.008+/-0.000 χ^2/NDF : 930167.3/29

Out: 0.007+/-0.000 χ^2/NDF : 900745.3/32

All: 0.007+/-0.000 χ^2/NDF : 1835934.3/62

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: 0.618+/-0.000 χ^2/NDF : 252115657072.3/12

Left: 0.616+/-0.000 χ^2/NDF : 507901814222.6/26

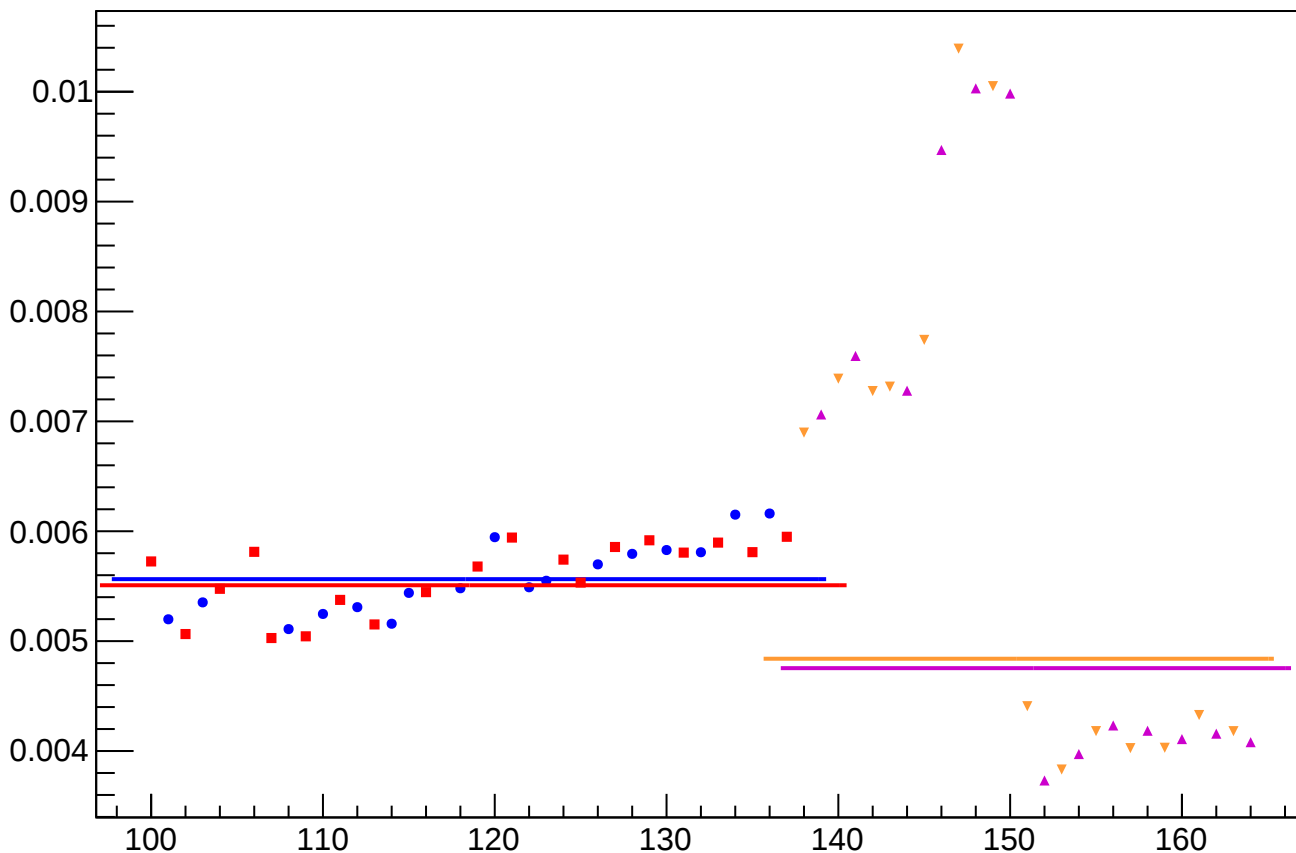
Right: 3.632+/-0.000 χ^2/NDF : 378731188267.1/35

In: 1.681+/-0.000 χ^2/NDF : 1675186333187.7/29

Out: 1.753+/-0.000 χ^2/NDF : 1781460613178.2/32

All: 1.717+/-0.000 χ^2/NDF : 3458234619243

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 :2092628.9/12

Left: 0.005+/-0.000 χ^2/NDF : 3972380.6/26

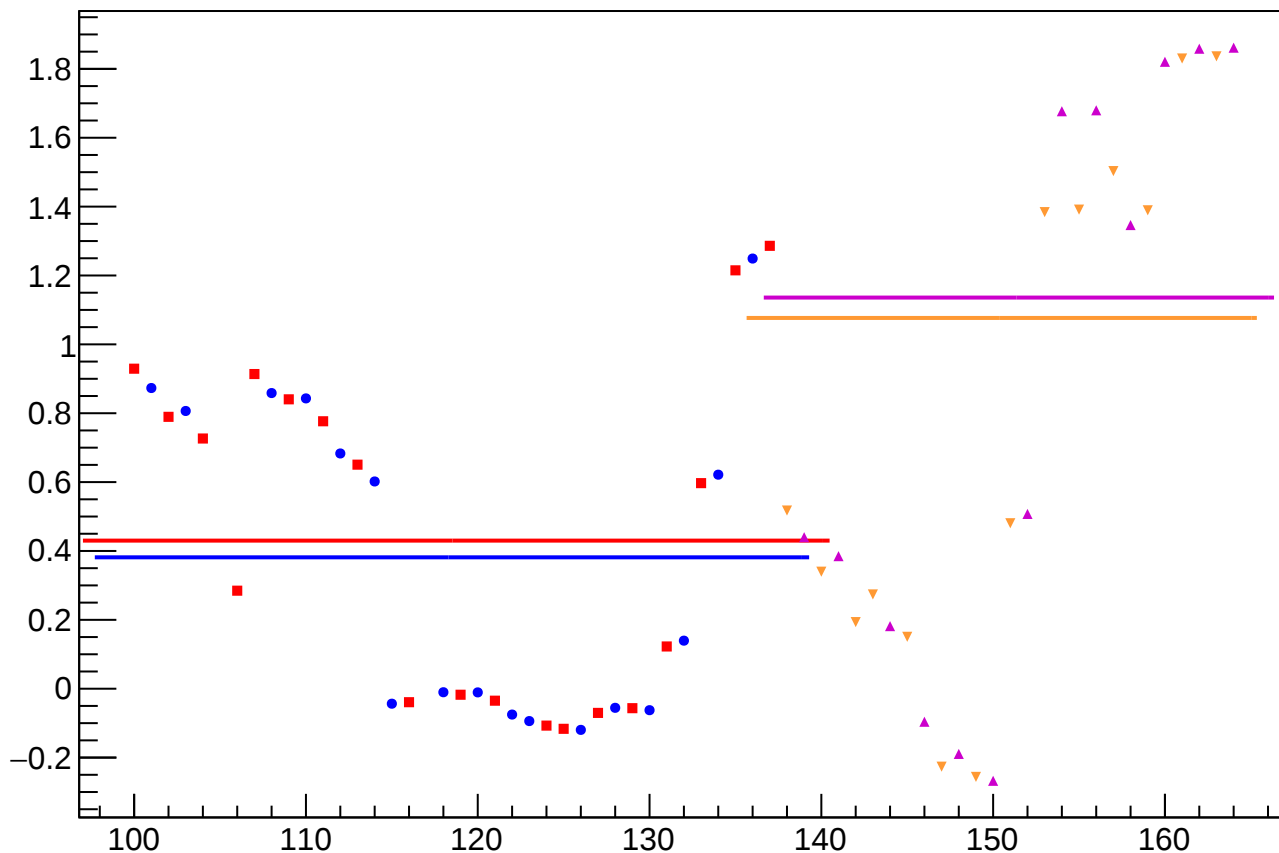
Right: 0.006+/-0.000 χ^2/NDF : 100909.6/35

In: 0.005+/-0.000 χ^2/NDF :2322632.1/29

Out: 0.005+/-0.000 χ^2/NDF :2057992.0/32

All: 0.005+/-0.000 χ^2/NDF : 4381968.4/62

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.382 $\pm$ 0.000 χ^2/NDF : 7124759123.1/16

Left Out: 1.077 $\pm$ 0.000 χ^2/NDF : 31881939979.2/13

Right Out: 0.430 $\pm$ 0.000 χ^2/NDF : 6676199135.9/18

Left In: 1.136 $\pm$ 0.000 χ^2/NDF : 39699304489.2/12

Left: 1.106 $\pm$ 0.000 χ^2/NDF : 71702675253.4/26

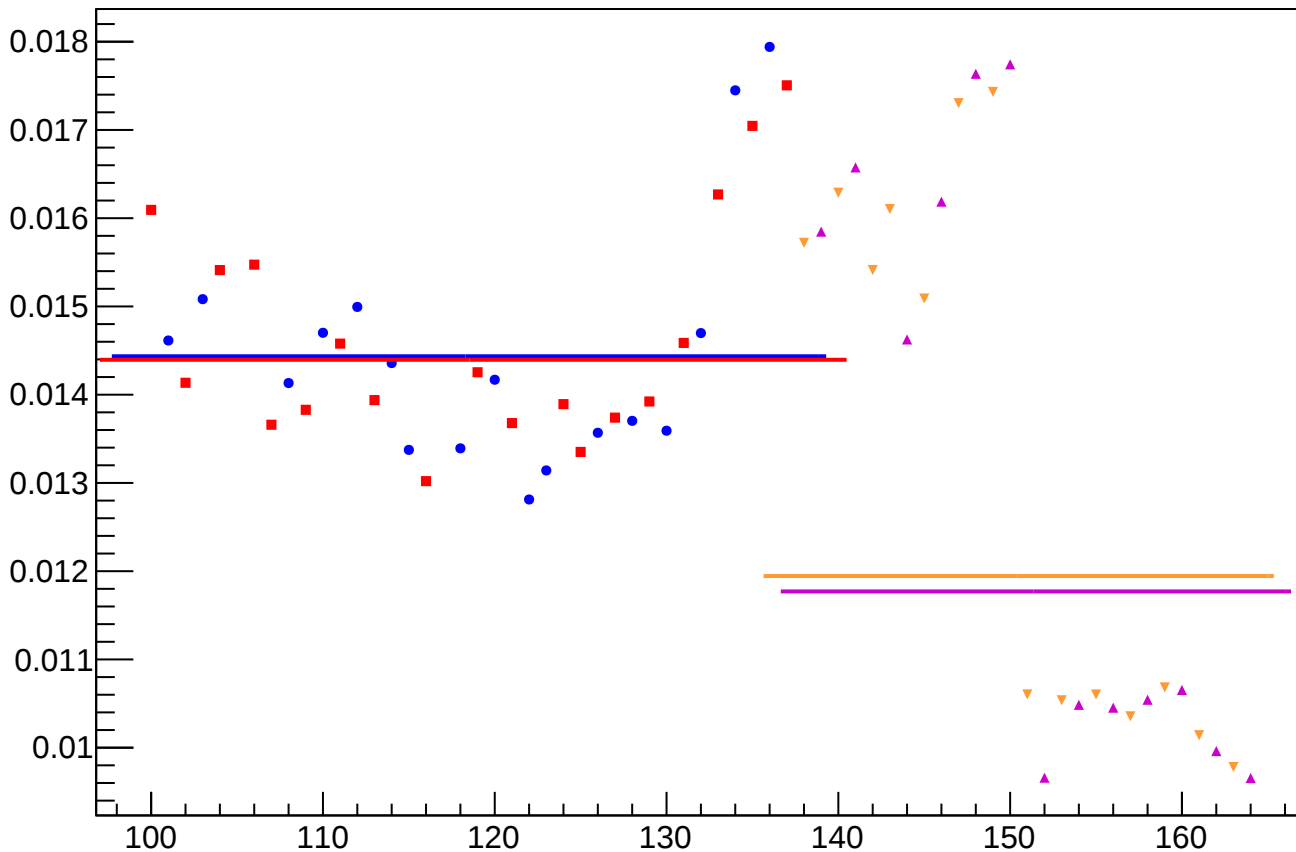
Right: 0.406 $\pm$ 0.000 χ^2/NDF : 13839390791.2/35

In: 0.900 $\pm$ 0.000 χ^2/NDF : 59245065829.2/29

Out: 0.866 $\pm$ 0.000 χ^2/NDF : 47993570510.9/32

All: 0.882 $\pm$ 0.000 χ^2/NDF : 107297604882.8

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 : 1055638.2/12

Left: 0.012+/-0.000 χ^2/NDF : 2011710.6/26

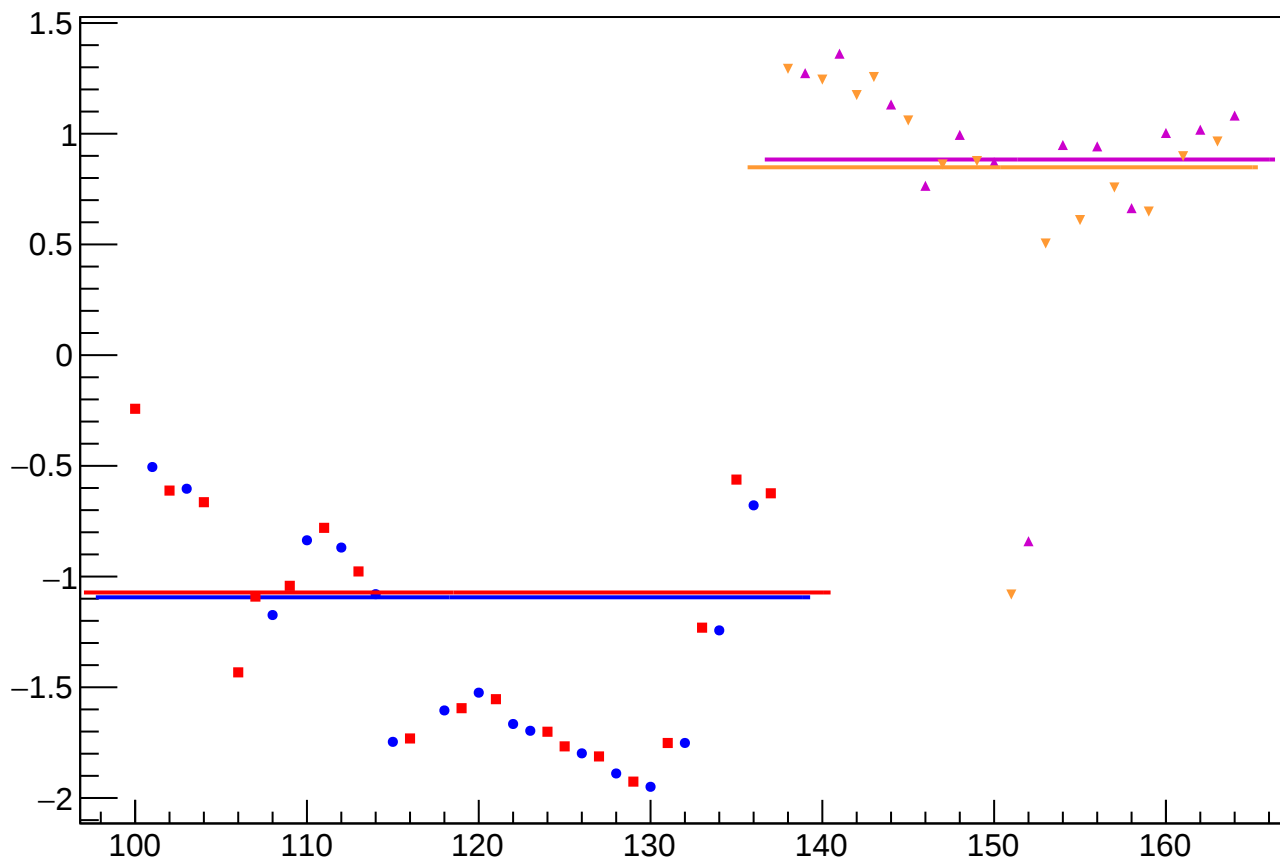
Right: 0.014+/-0.000 χ^2/NDF : 184806.5/35

In: 0.013+/-0.000 χ^2/NDF : 1475803.2/29

Out: 0.013+/-0.000 χ^2/NDF : 1299567.6/32

All: 0.013+/-0.000 χ^2/NDF : 2777367.2/62

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: 0.884+/-0.000 χ^2/NDF : 145610756824.5/12

Left: 0.866+/-0.000 χ^2/NDF : 270078572369.3/26

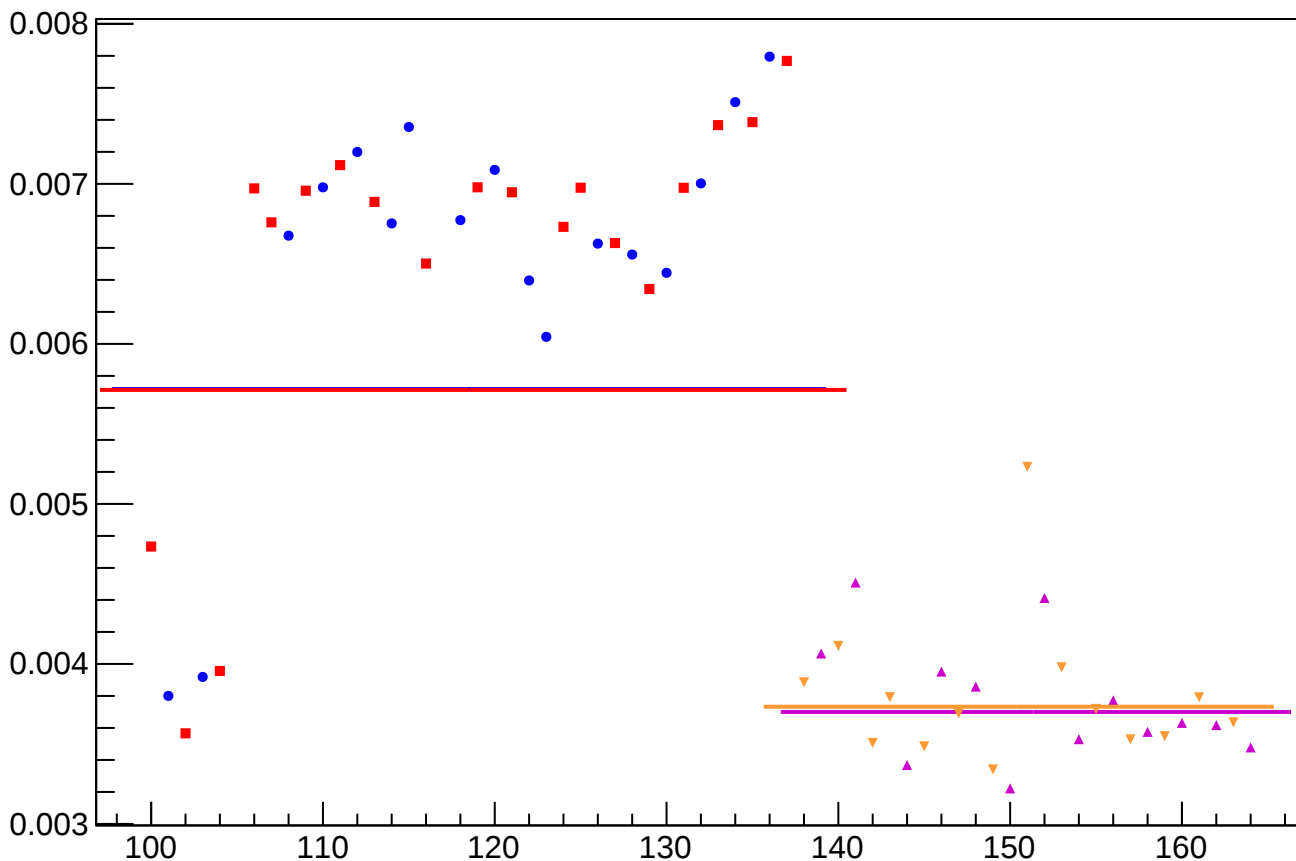
Right: -1.083+/-0.000 χ^2/NDF : 102900070258.1/35

In: 0.463+/-0.000 χ^2/NDF : 760766031624.5/29

Out: 0.426+/-0.000 χ^2/NDF : 714310492483.9/32

All: 0.445+/-0.000 χ^2/NDF : 1475658712773.

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 :168858.5/12

Left: 0.004+/-0.000 χ^2/NDF : 329099.4/26

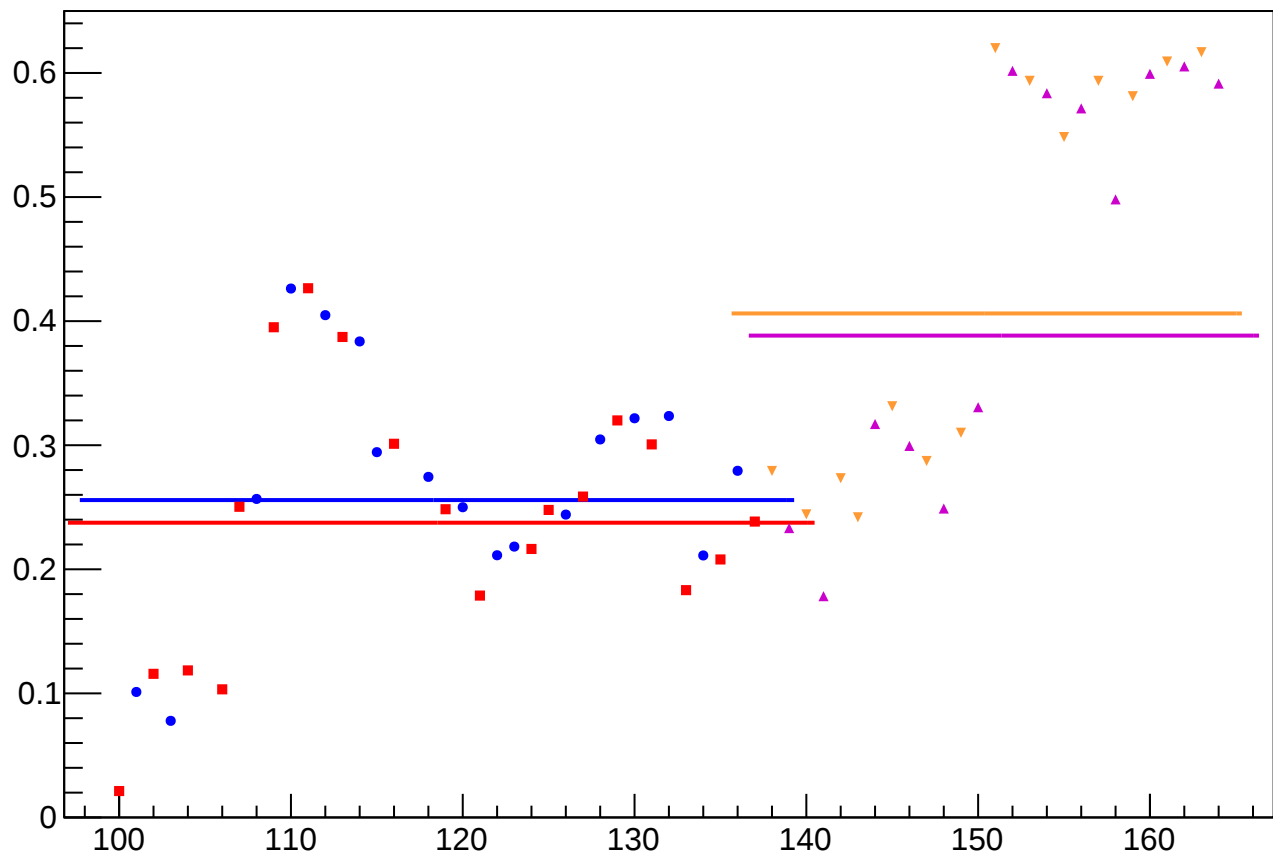
Right: 0.006+/-0.000 χ^2/NDF : 1761678.7/35

In: 0.004+/-0.000 χ^2/NDF :2171212.5/29

Out: 0.004+/-0.000 χ^2/NDF :2238548.9/32

All: 0.004+/-0.000 χ^2/NDF : 4411065.9/62

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.406+/-0.000 χ^2/NDF : 71317641697.6/13

Right Out: 0.238+/-0.000 χ^2/NDF : 26057284646.9/18

Left In: 0.388+/-0.000 χ^2/NDF : 66766521798.4/12

Left: 0.398+/-0.000 χ^2/NDF : 138527354579.3/26

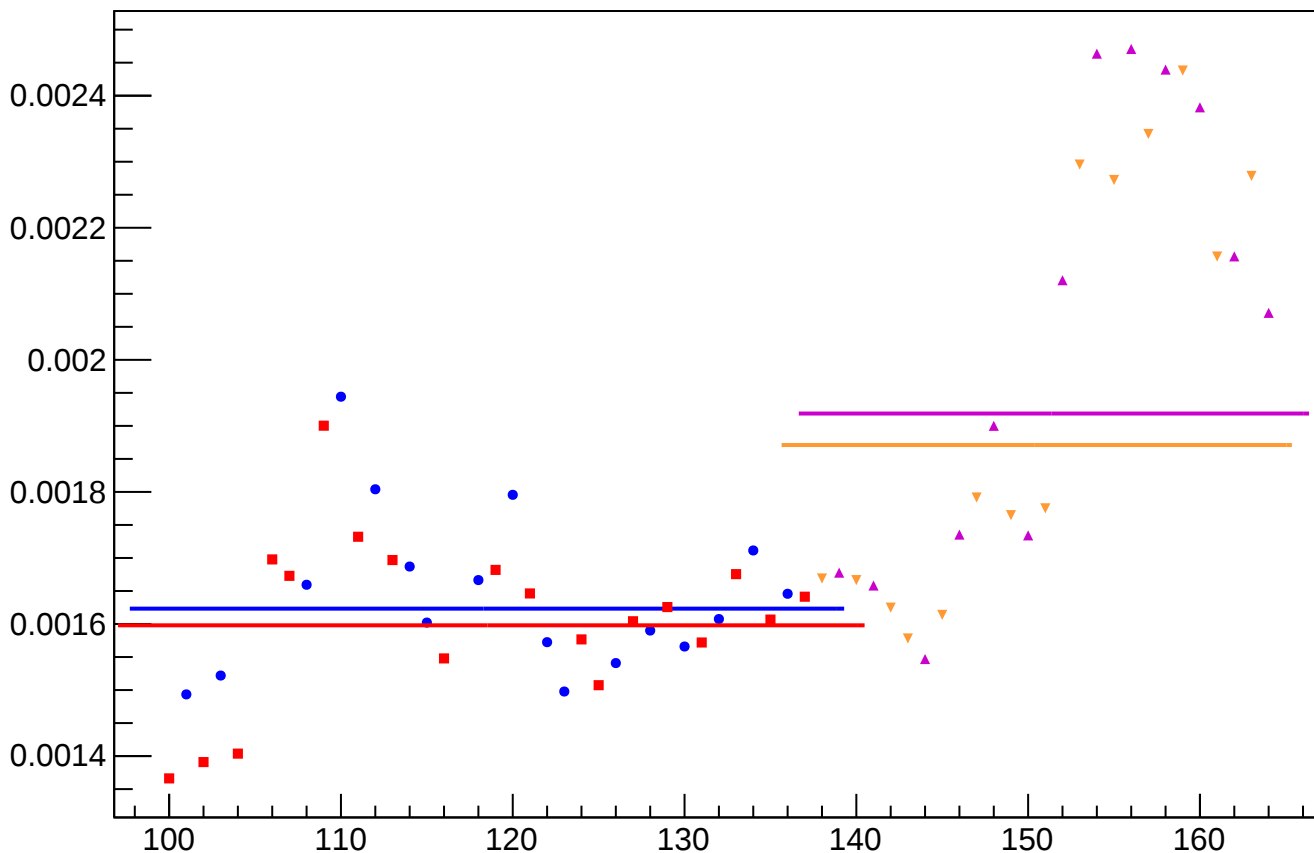
Right: 0.246+/-0.000 χ^2/NDF : 47851542841.4/35

In: 0.325+/-0.000 χ^2/NDF : 110543233173.6/29

Out: 0.324+/-0.000 χ^2/NDF : 137314355361.7/32

All: 0.325+/-0.000 χ^2/NDF : 247858086718.6

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 : 535060.3/12

Left: 0.002+/-0.000 χ^2/NDF : 1031567.7/26

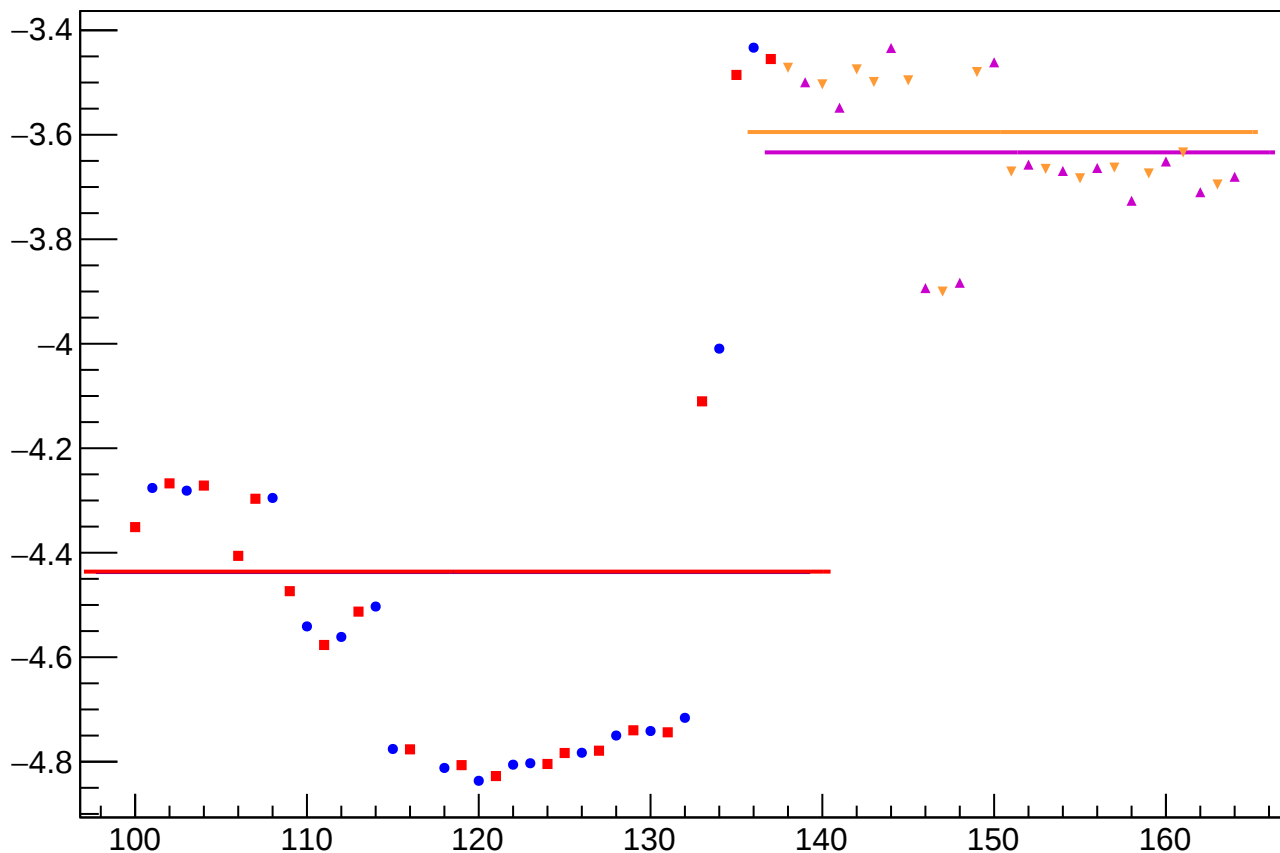
Right: 0.002+/-0.000 χ^2/NDF : 144790.6/35

In: 0.002+/-0.000 χ^2/NDF : 810197.6/29

Out: 0.002+/-0.000 χ^2/NDF : 790144.8/32

All: 0.002+/-0.000 χ^2/NDF : 1608325.6/62

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: -3.634 $\pm$ 0.000 χ^2/NDF : 42698701904.6/12

Left: -3.614 $\pm$ 0.000 χ^2/NDF : 75565046912.8/26

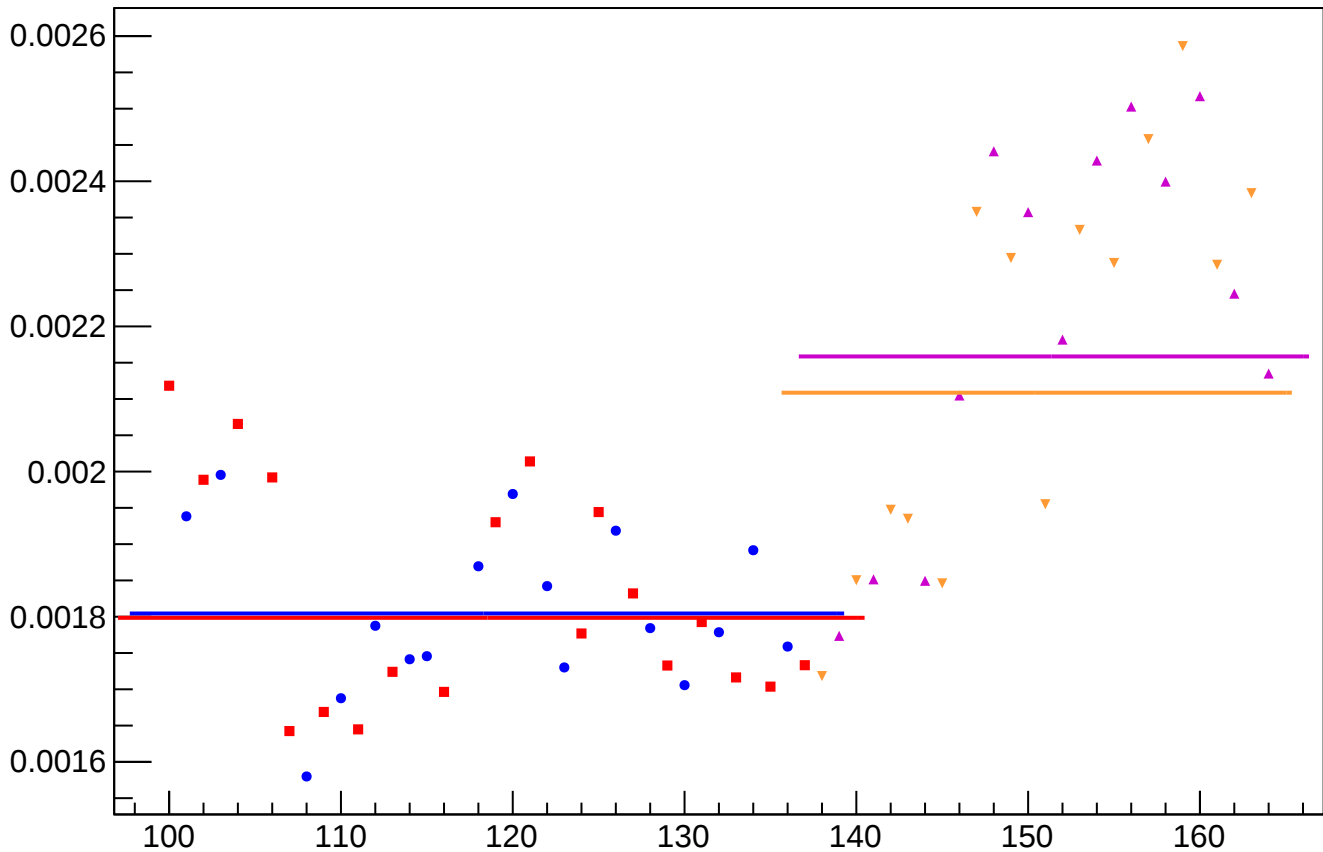
Right: -4.437 $\pm$ 0.000 χ^2/NDF : 717996921060.6/35

In: -4.022 $\pm$ 0.000 χ^2/NDF : 1101104256906.9/29

Out: -4.002 $\pm$ 0.000 χ^2/NDF : 1132610880789.5/32

All: -4.012 $\pm$ 0.000 χ^2/NDF : 2234608309212

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 :289590.1/12

Left: 0.002+/-0.000 χ^2/NDF : 618449.1/26

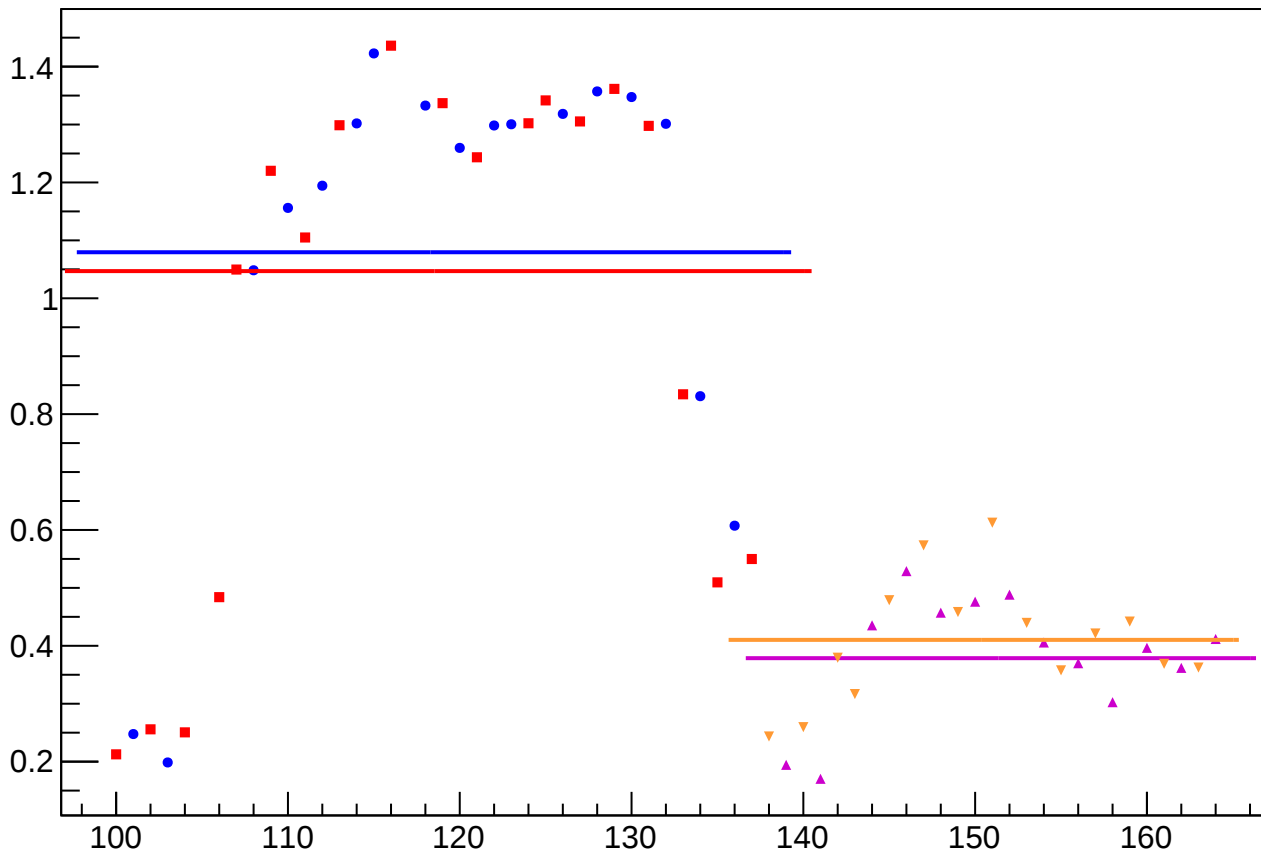
Right: 0.002+/-0.000 χ^2/NDF : 130196.1/35

In: 0.002+/-0.000 χ^2/NDF :597491.7/29

Out: 0.002+/-0.000 χ^2/NDF :615321.1/32

All: 0.002+/-0.000 χ^2/NDF : 1216305.6/62

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.410 $\pm$ 0.000 χ^2 /NDF: 1214909119.7/13

Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

Left In: 0.379 $\pm$ 0.000 χ^2 /NDF: 1044694690.3/12

Left: 0.395 $\pm$ 0.000 χ^2 /NDF: 2314575229.8/26

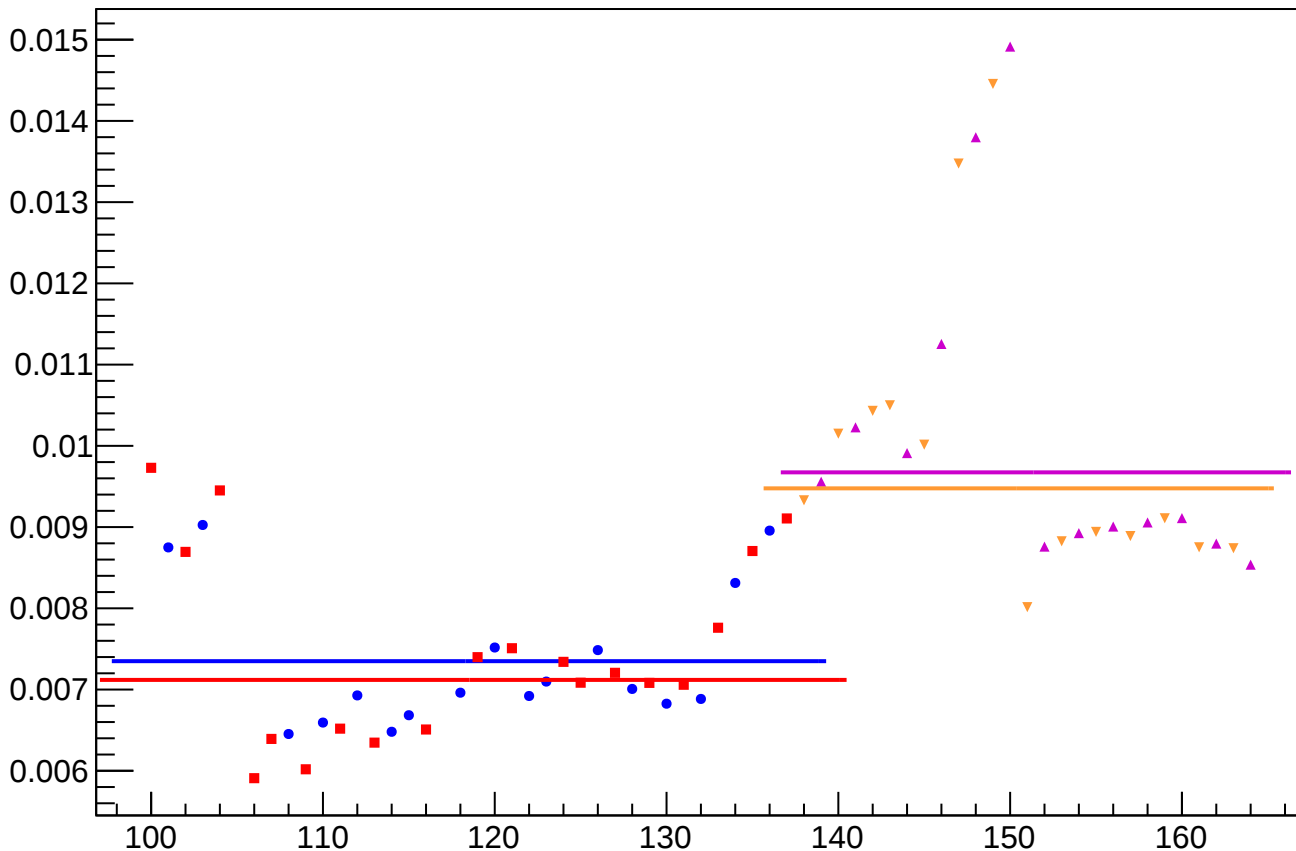
Right: 1.062 $\pm$ 0.000 χ^2 /NDF: 37285218980.1/35

In: 0.753 $\pm$ 0.000 χ^2 /NDF: 46587057746.6/29

Out: 0.759 $\pm$ 0.000 χ^2 /NDF: 46141178038.6/32

All: 0.756 $\pm$ 0.000 χ^2 /NDF: 92732753758.4/66

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 : 481349.8/12

Left: 0.010+/-0.000 χ^2/NDF : 941448.2/26

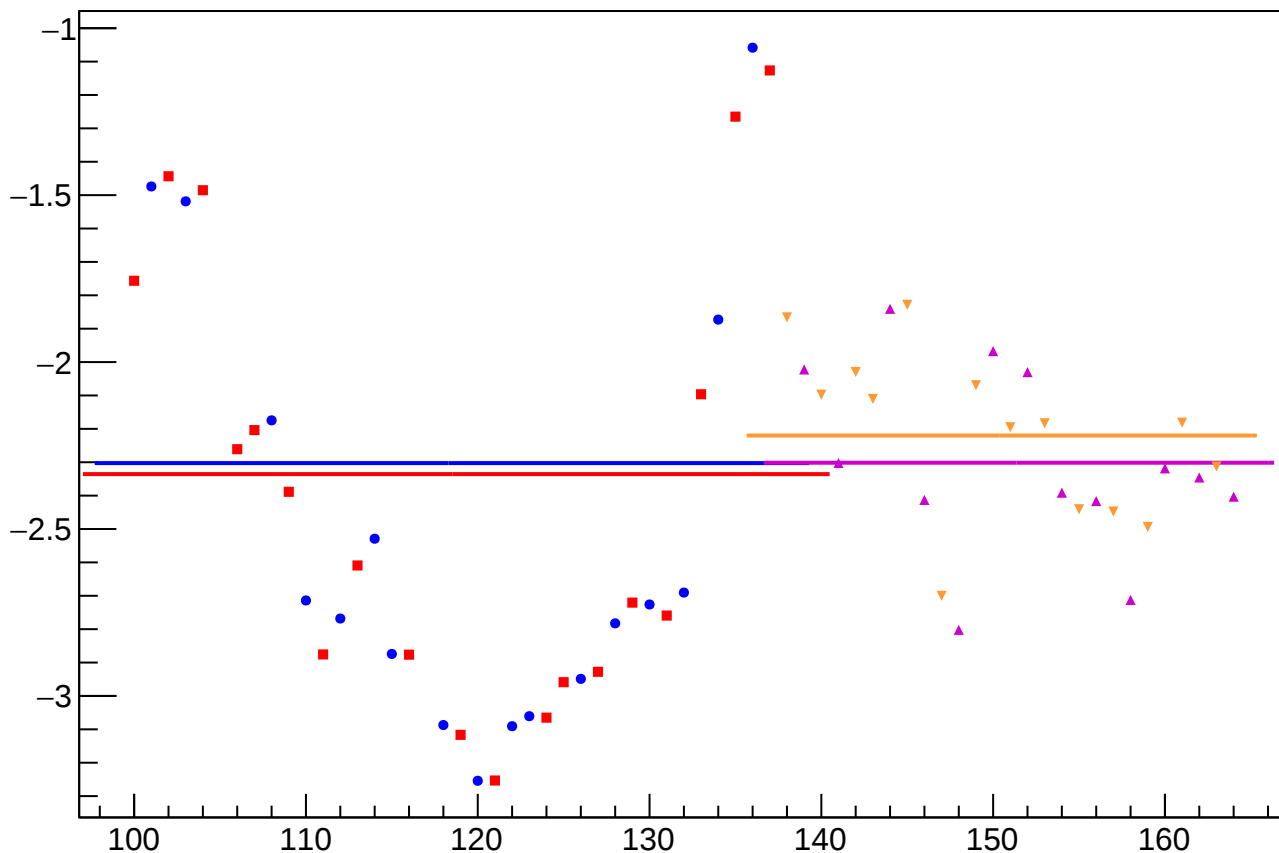
Right: 0.007+/-0.000 χ^2/NDF : 446823.4/35

In: 0.008+/-0.000 χ^2/NDF : 1278290.3/29

Out: 0.008+/-0.000 χ^2/NDF : 1407396.3/32

All: 0.008+/-0.000 χ^2/NDF : 2700379.7/62

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.303 ± 0.000 $\chi^2/\text{NDF}: 73755914805.8/16$

Left Out: -2.220 ± 0.000 $\chi^2/\text{NDF}: 6943623835.8/13$

Right Out: -2.336 ± 0.000 $\chi^2/\text{NDF}: 64499162456.4/18$

Left In: -2.301 ± 0.000 $\chi^2/\text{NDF}: 8508427985.3/12$

Left: -2.260 ± 0.000 $\chi^2/\text{NDF}: 15899291597.5/26$

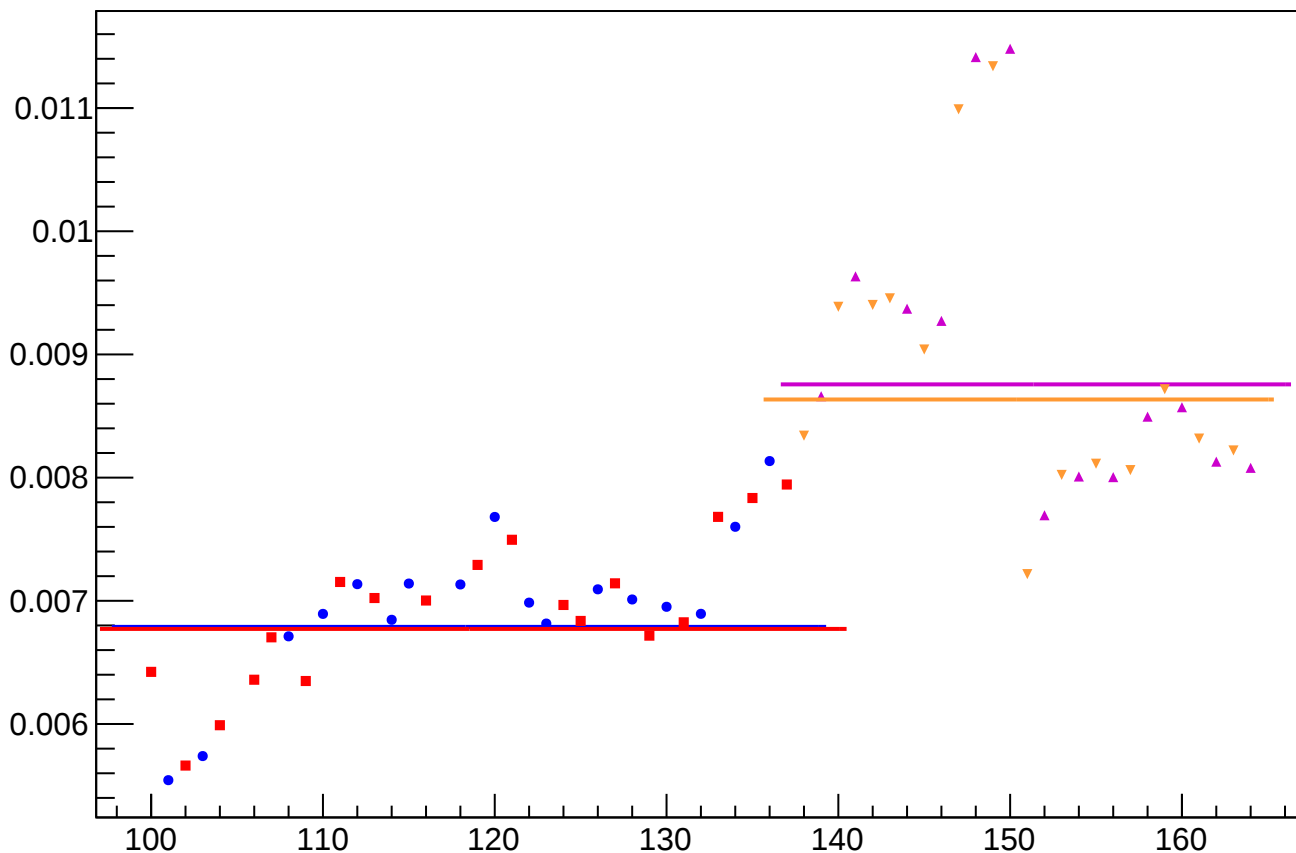
Right: -2.320 ± 0.000 $\chi^2/\text{NDF}: 138336112561.8/35$

In: -2.302 ± 0.000 $\chi^2/\text{NDF}: 82264437858.1/29$

Out: -2.281 ± 0.000 $\chi^2/\text{NDF}: 72415495144.2/32$

All: -2.291 ± 0.000 $\chi^2/\text{NDF}: 154743405327.1$

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 : 290217.8/12

Left: 0.009+/-0.000 χ^2/NDF : 577008.0/26

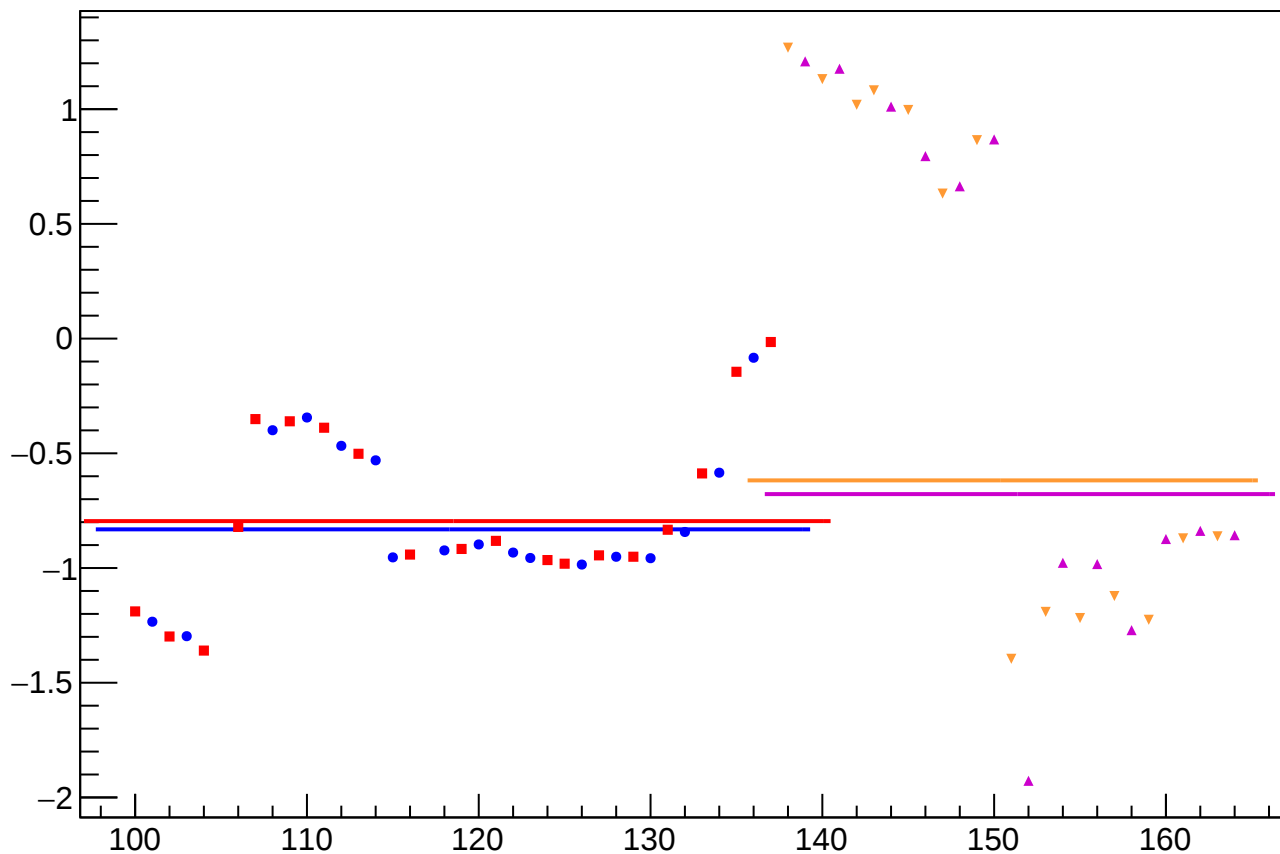
Right: 0.007+/-0.000 χ^2/NDF : 288483.5/35

In: 0.008+/-0.000 χ^2/NDF : 989461.8/29

Out: 0.008+/-0.000 χ^2/NDF : 913648.0/32

All: 0.008+/-0.000 χ^2/NDF : 1904745.8/62

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000

χ^2/NDF : 6692170860.9/16

Left: -0.648+/-0.000

χ^2/NDF : 228263255053.6/26

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: -0.724+/-0.000

χ^2/NDF : 125646355888.7/29

Out: -0.674+/-0.000

χ^2/NDF : 119119570283.6/32

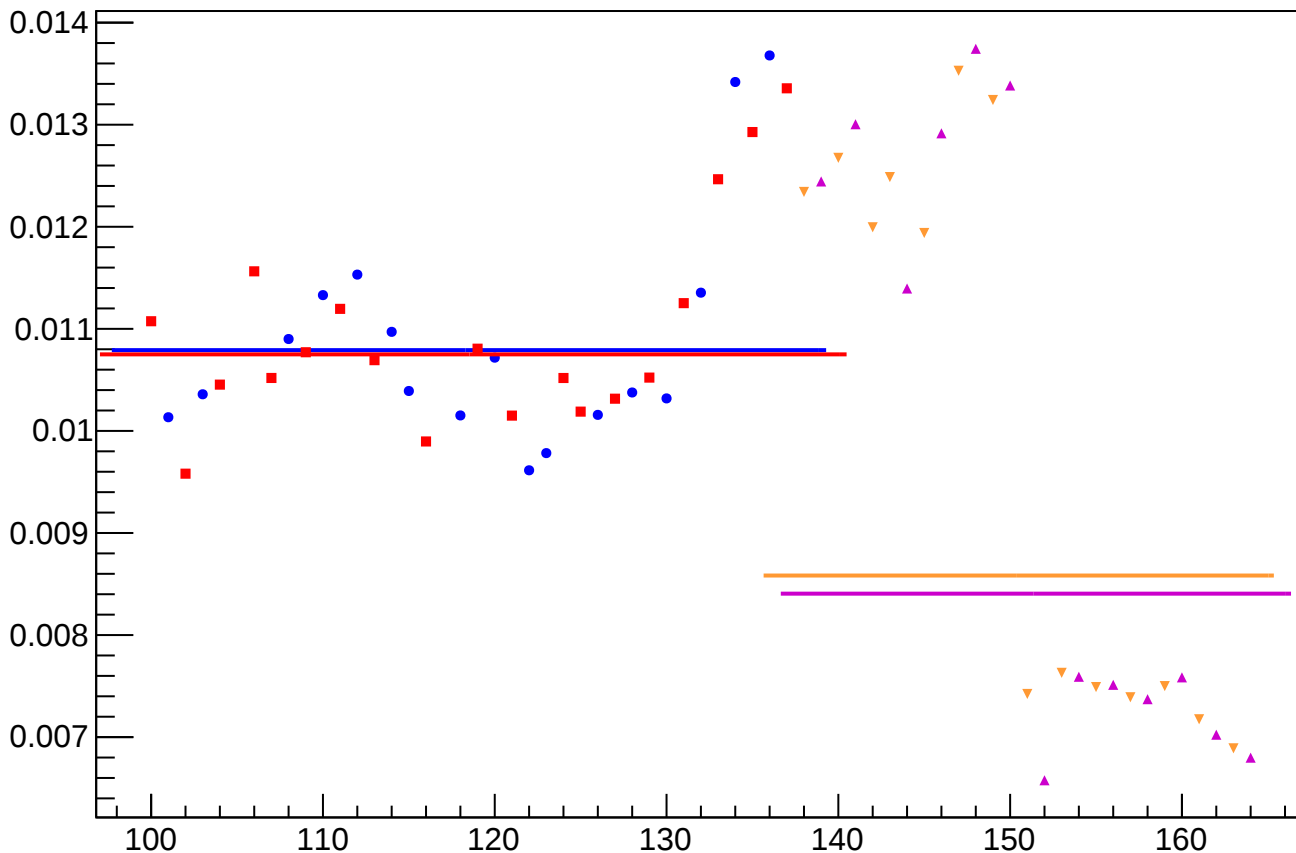
Left In: -0.678+/-0.000

χ^2/NDF : 118019779844.7/12

All: -0.699+/-0.000

χ^2/NDF : 245001787472.3

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: 0.008+/-0.000 χ^2/NDF :1462982.8/12

Left: 0.008+/-0.000 χ^2/NDF : 2790883.6/26

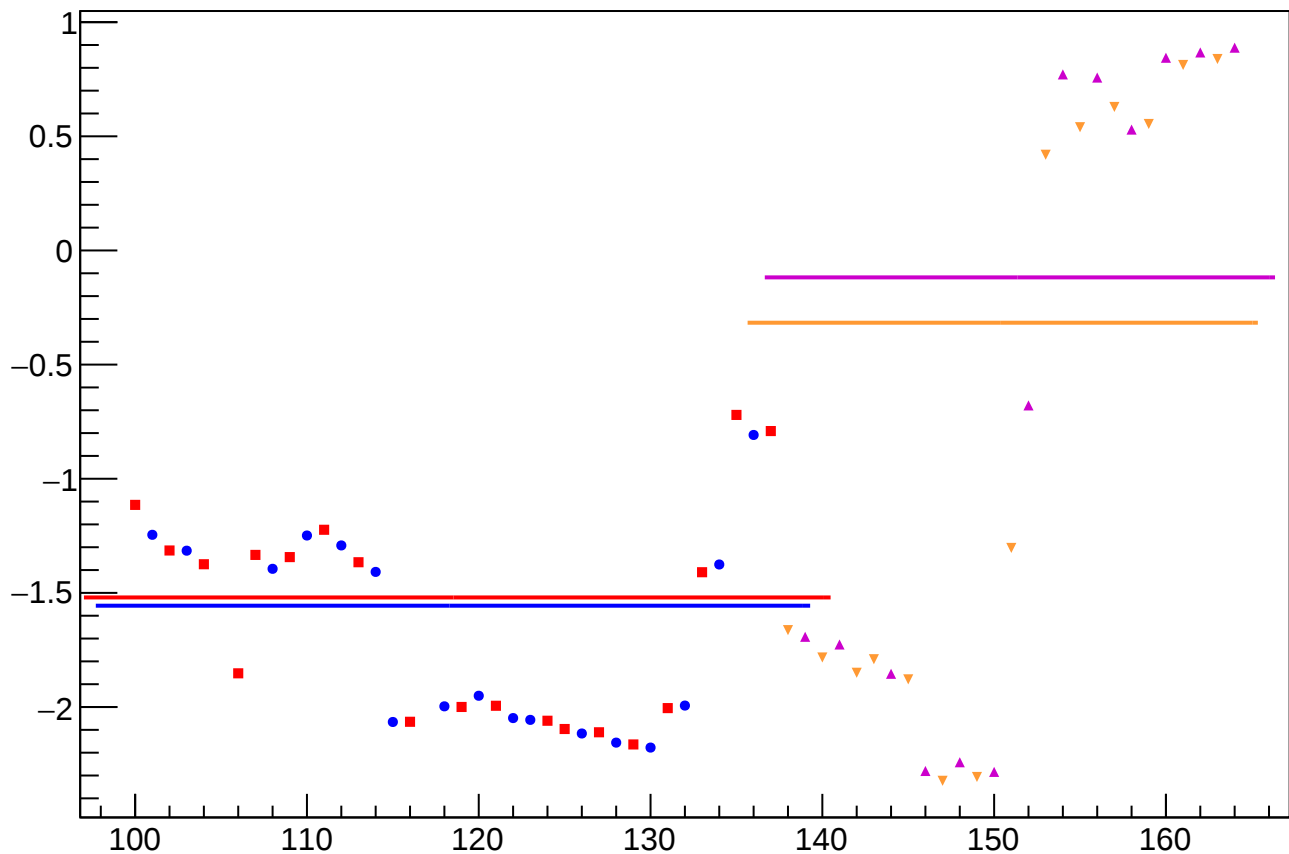
Right: 0.011+/-0.000 χ^2/NDF : 216122.9/35

In: 0.009+/-0.000 χ^2/NDF :2039238.3/29

Out: 0.009+/-0.000 χ^2/NDF :1798190.4/32

All: 0.009+/-0.000 χ^2/NDF : 3841453.5/62

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: -0.118+/-0.000

χ^2/NDF : 1788307578107.4/12

Left: -0.217+/-0.000

χ^2/NDF : 3577368129874.8/26

Right: -1.537+/-0.000

χ^2/NDF : 294029827862.9/35

In: -0.723+/-0.000

χ^2/NDF : 2965937183217.1/29

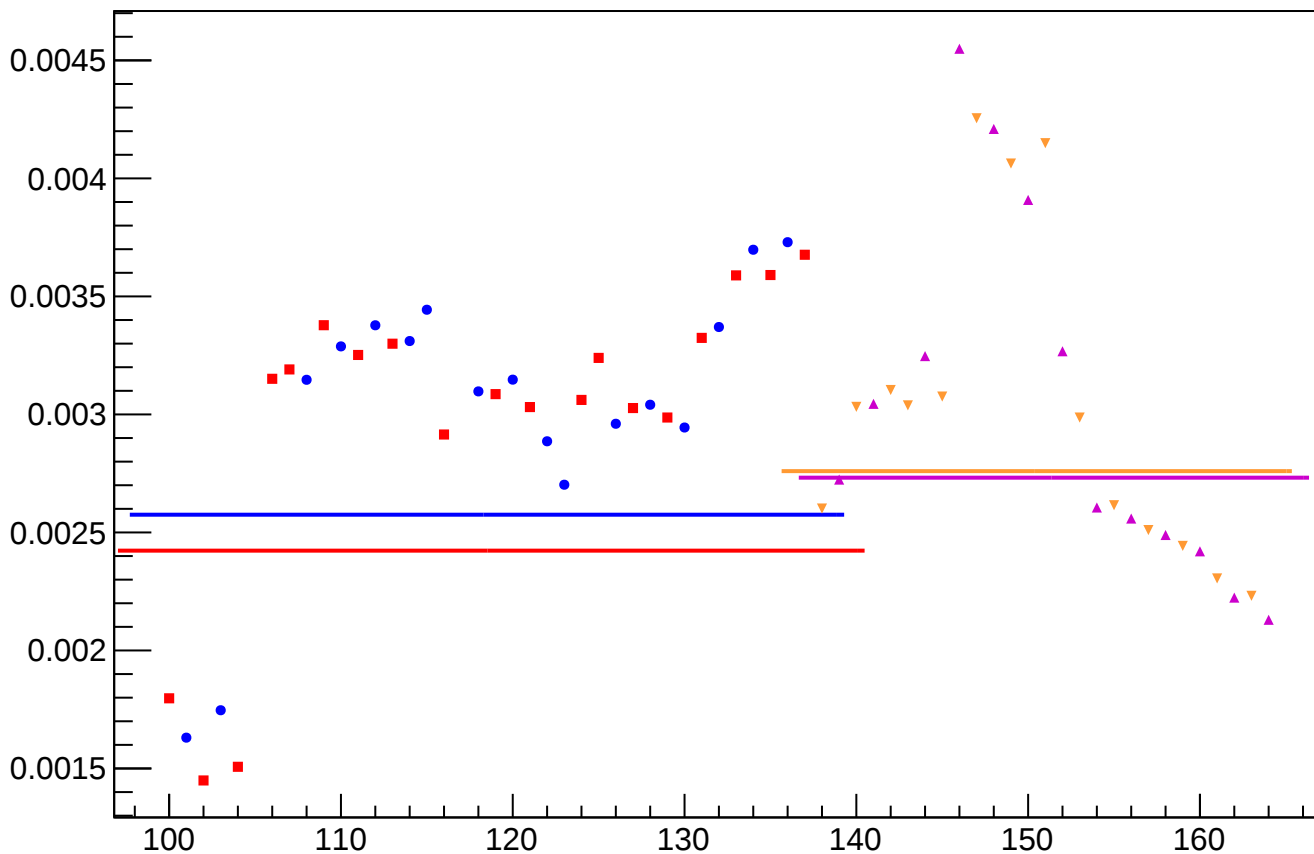
Out: -0.858+/-0.000

χ^2/NDF : 2673526771938.2/32

All: -0.793+/-0.000

χ^2/NDF : 5658551628439

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 : 756123.3/12

Left: 0.003+/-0.000 χ^2/NDF : 1399553.0/26

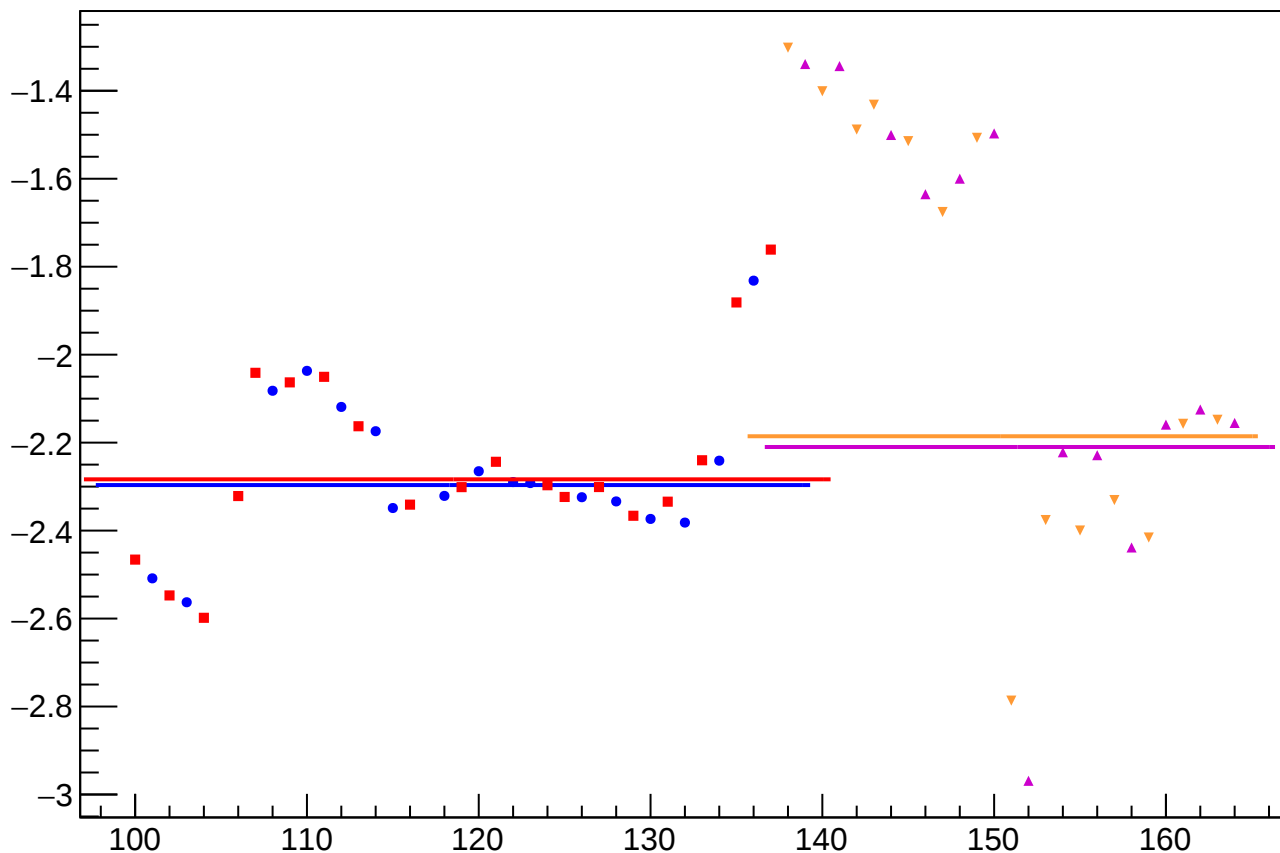
Right: 0.002+/-0.000 χ^2/NDF : 2524978.4/35

In: 0.003+/-0.000 χ^2/NDF : 1794290.0/29

Out: 0.003+/-0.000 χ^2/NDF : 2253192.4/32

All: 0.003+/-0.000 χ^2/NDF : 4054479.0/62

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.296+/-0.000

χ^2/NDF : 5782980938.4/16

Left: -2.198+/-0.000

χ^2/NDF : 117356047213.5/26

Left Out: -2.186+/-0.000

χ^2/NDF : 51015979682.1/13

Right: -2.290+/-0.000

χ^2/NDF : 12344935761.7/35

Right Out: -2.283+/-0.000

χ^2/NDF : 6548716896.9/18

In: -2.237+/-0.000

χ^2/NDF : 72809406757.5/29

Out: -2.218+/-0.000

χ^2/NDF : 58598643993.3/32

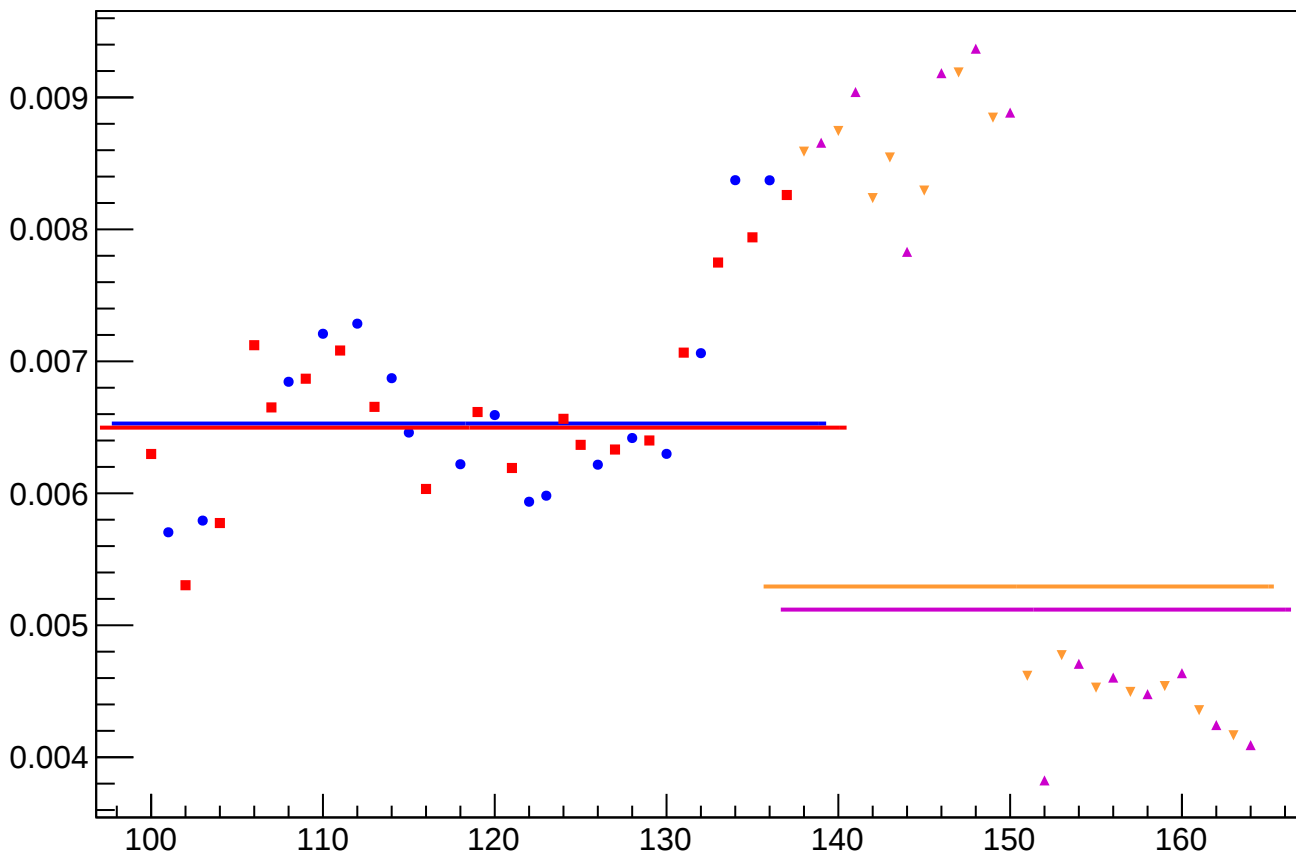
Left In: -2.210+/-0.000

χ^2/NDF : 66240668365.7/12

All: -2.227+/-0.000

χ^2/NDF : 131495465284.1

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 : 2021843.6/12

Left: 0.005+/-0.000 χ^2/NDF : 3839341.4/26

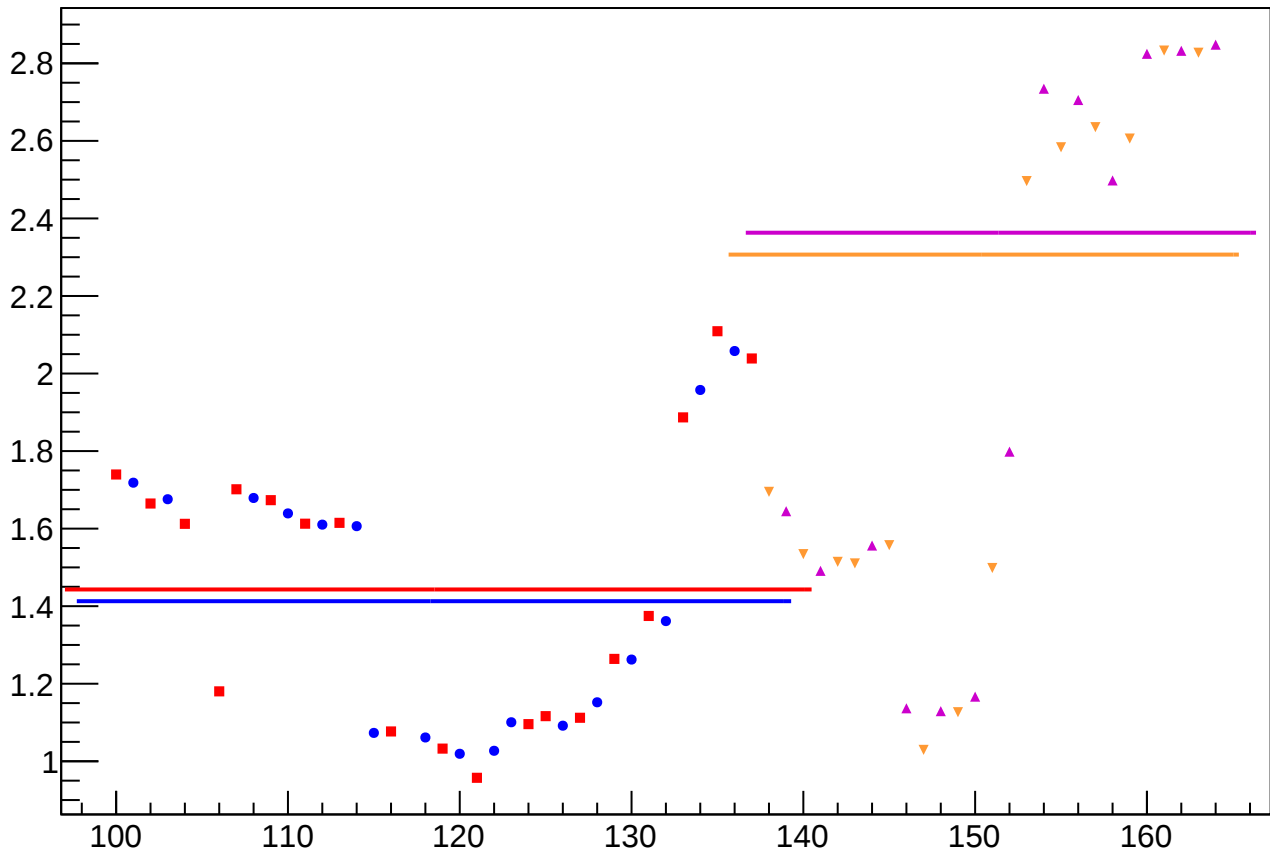
Right: 0.007+/-0.000 χ^2/NDF : 340761.0/35

In: 0.006+/-0.000 χ^2/NDF : 2615345.5/29

Out: 0.006+/-0.000 χ^2/NDF : 2283958.4/32

All: 0.006+/-0.000 χ^2/NDF : 4908392.7/62

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: 2.363+/-0.000 χ^2/NDF : 206617640417.5/12

Left: 2.335+/-0.000 χ^2/NDF : 404132713563.0/26

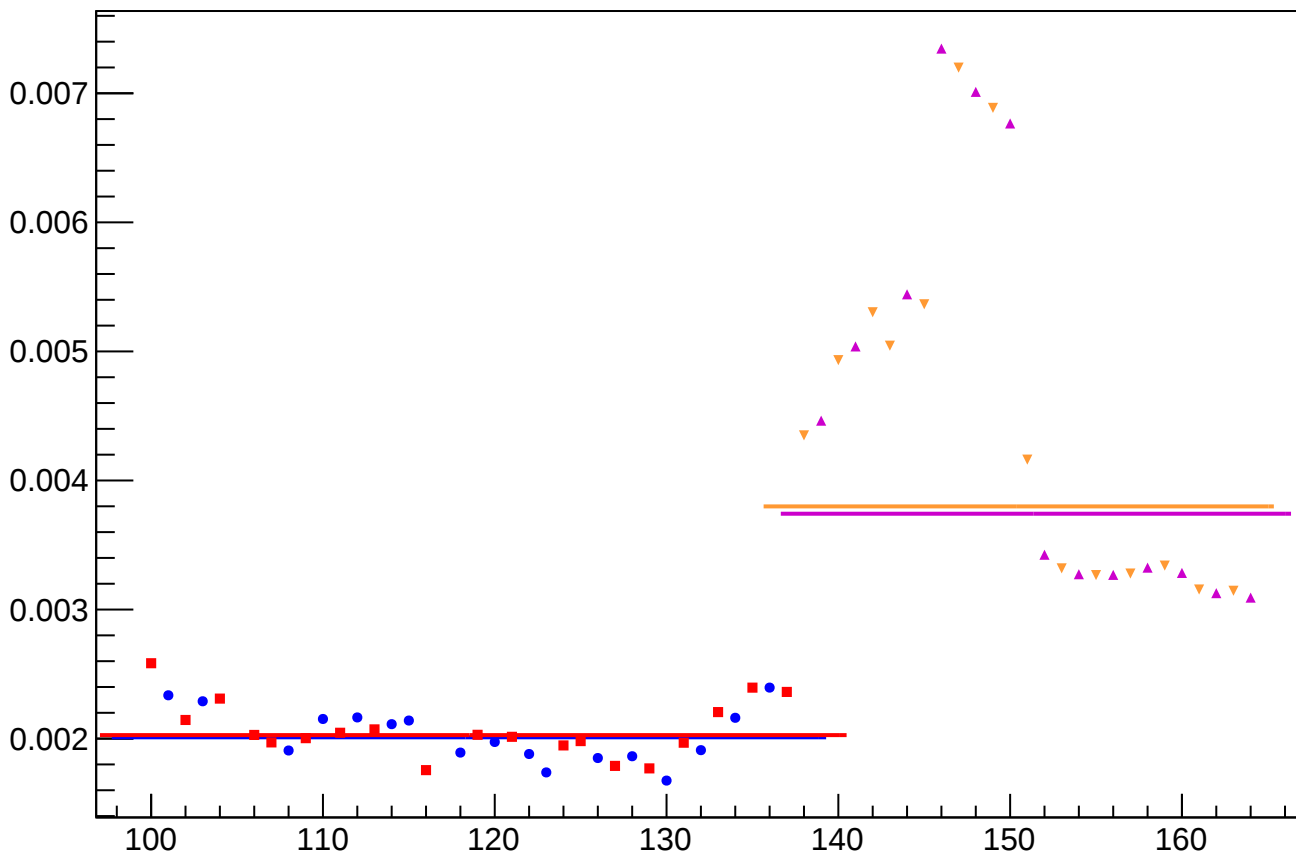
Right: 1.428+/-0.000 χ^2/NDF : 346560852941.7/35

In: 1.690+/-0.000 χ^2/NDF : 782006335486.2/29

Out: 1.690+/-0.000 χ^2/NDF : 705942153467.9/32

All: 1.690+/-0.000 χ^2/NDF : 1487949080485.

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 :1384434.3/12

Left: 0.004+/-0.000 χ^2/NDF : 2548257.8/26

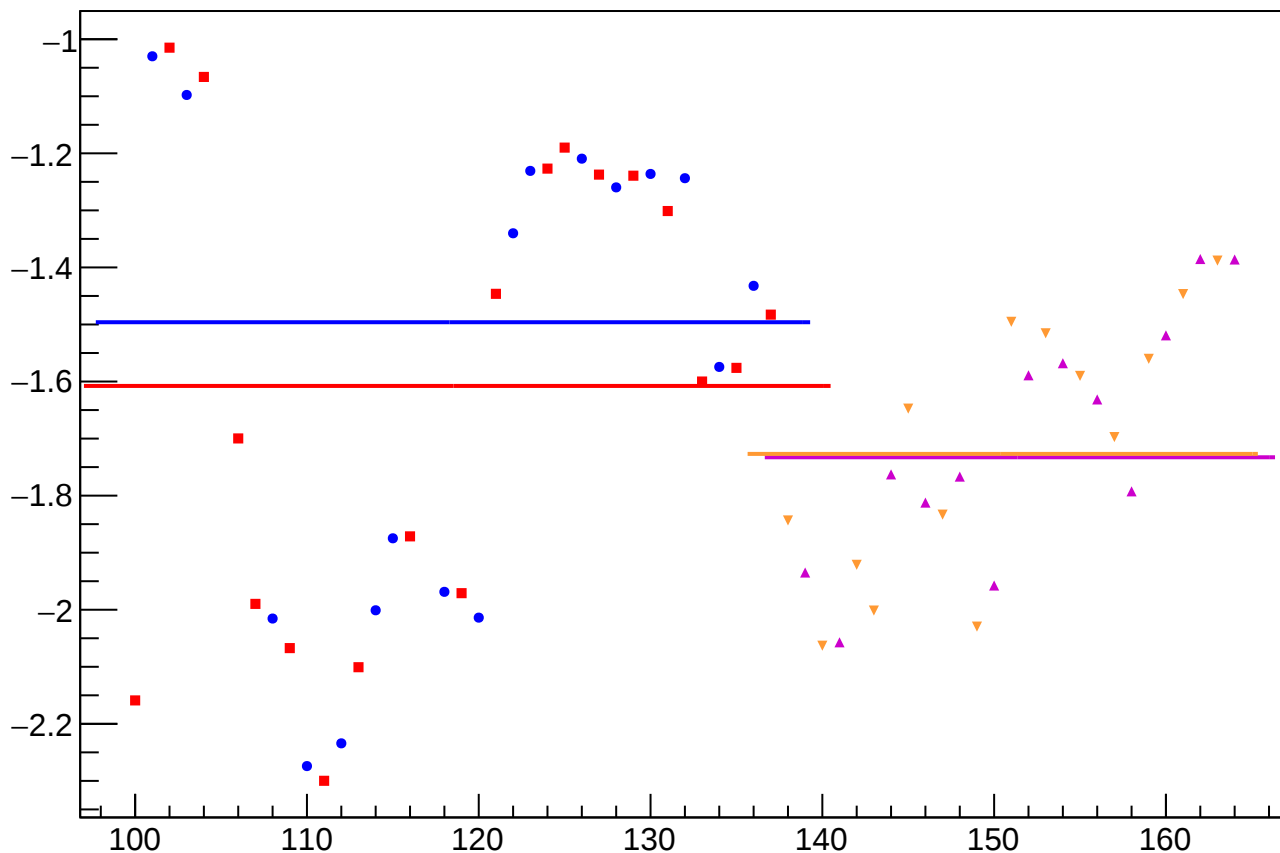
Right: 0.002+/-0.000 χ^2/NDF : 256903.9/35

In: 0.003+/-0.000 χ^2/NDF :4214112.1/29

Out: 0.003+/-0.000 χ^2/NDF :4095972.2/32

All: 0.003+/-0.000 χ^2/NDF : 8310711.1/62

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496 ± 0.000 $\chi^2/\text{NDF}: 22525130000.3/16$

Left Out: -1.727 ± 0.000 $\chi^2/\text{NDF}: 13228744027.8/13$

Right Out: -1.608 ± 0.000 $\chi^2/\text{NDF}: 27836461057.4/18$

Left In: -1.733 ± 0.000 $\chi^2/\text{NDF}: 10243421274.3/12$

Left: -1.730 ± 0.000 $\chi^2/\text{NDF}: 23476583774.6/26$

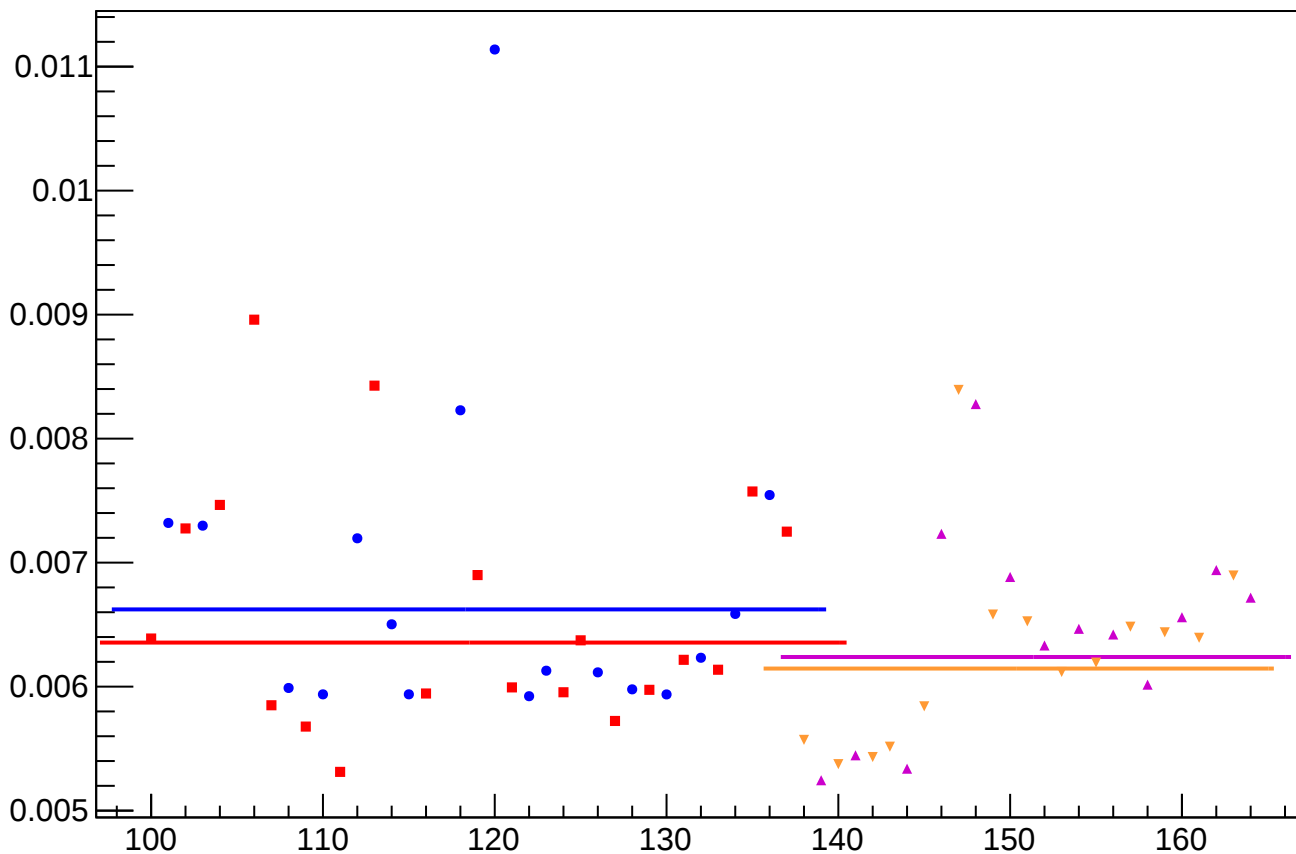
Right: -1.556 ± 0.000 $\chi^2/\text{NDF}: 51297044912.1/35$

In: -1.647 ± 0.000 $\chi^2/\text{NDF}: 37735491385.3/29$

Out: -1.681 ± 0.000 $\chi^2/\text{NDF}: 42488554945.9/32$

All: -1.665 ± 0.000 $\chi^2/\text{NDF}: 80453629323.6/64$

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 :286808.4/12

Left: 0.006+/-0.000 χ^2/NDF : 508911.3/26

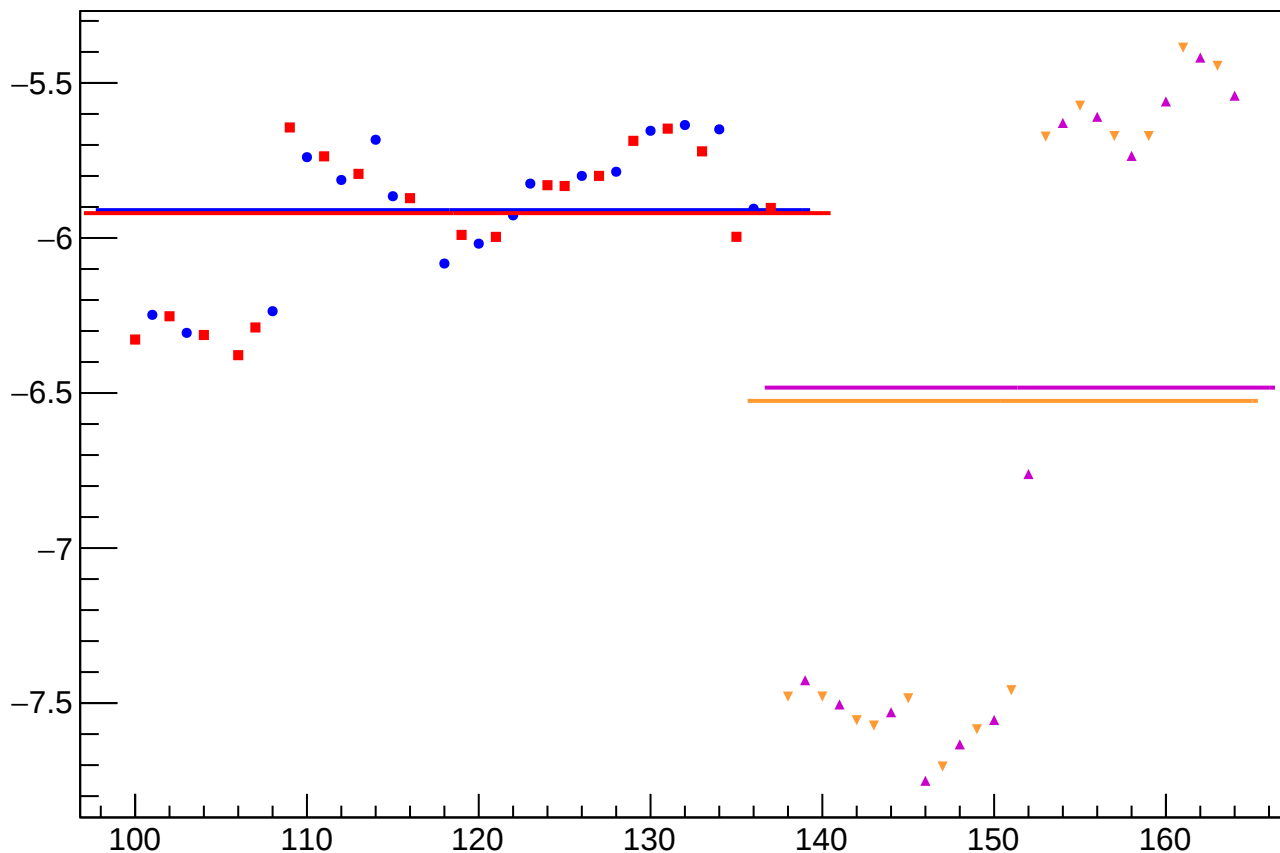
Right: 0.006+/-0.000 χ^2/NDF : 471227.9/35

In: 0.006+/-0.000 χ^2/NDF :545548.6/29

Out: 0.006+/-0.000 χ^2/NDF :456573.6/32

All: 0.006+/-0.000 χ^2/NDF : 1011336.3/62

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: -6.483+/-0.000 χ^2/NDF : 117868837233.9/12

Left: -6.504+/-0.000 χ^2/NDF : 254102144150.6/26

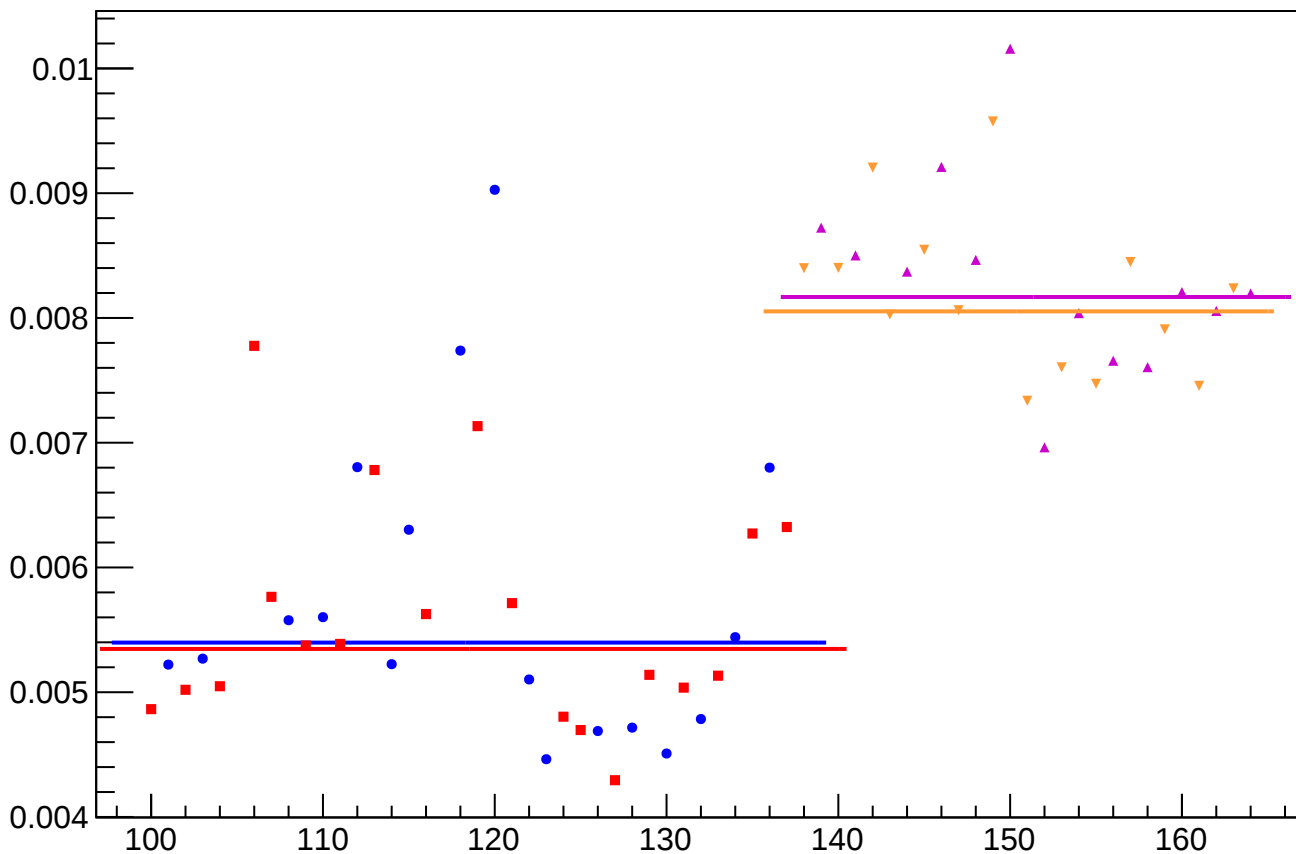
Right: -5.915+/-0.000 χ^2/NDF : 23950013841.5/35

In: -6.140+/-0.000 χ^2/NDF : 155667414301.4/29

Out: -6.153+/-0.000 χ^2/NDF : 180298381295.7/32

All: -6.146+/-0.000 χ^2/NDF : 335995630529.4

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 :141243.1/12

Left: 0.008+/-0.000 χ^2/NDF : 237132.5/26

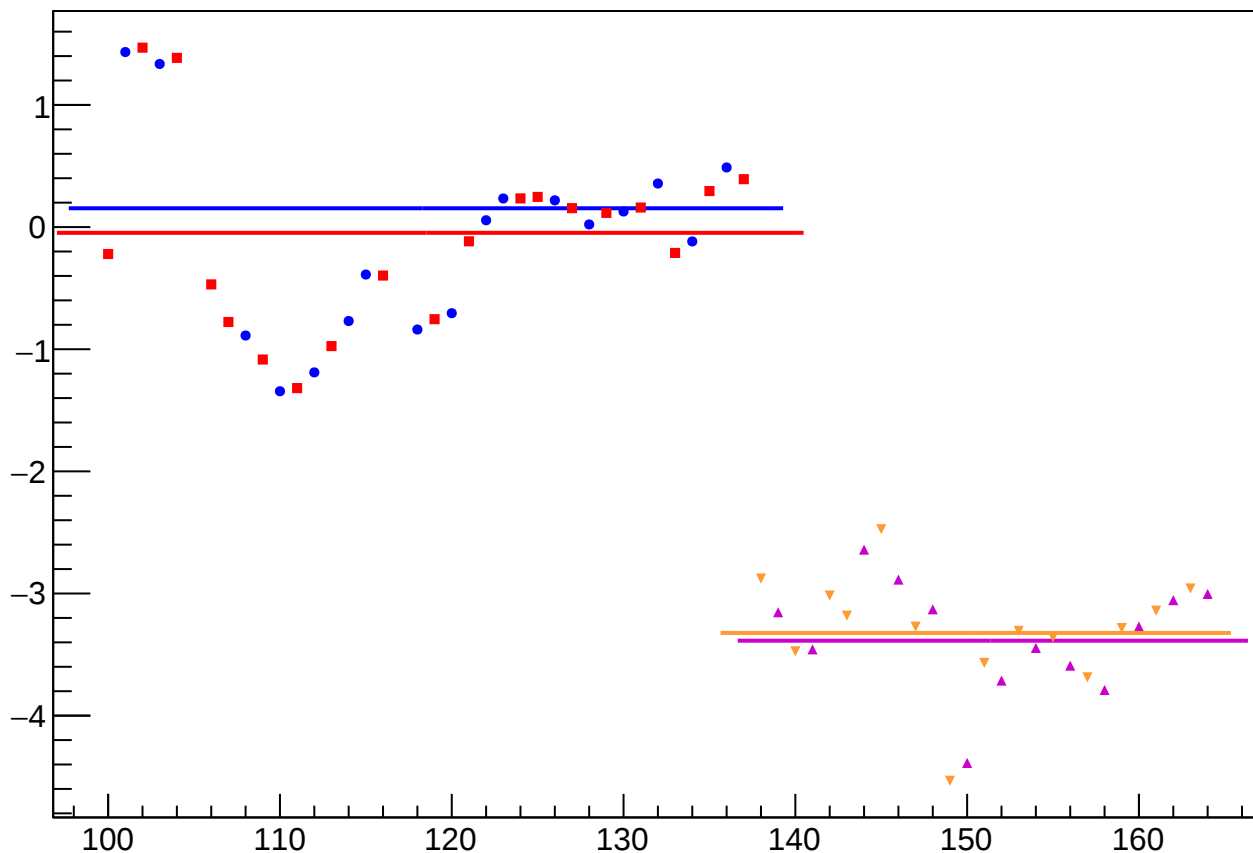
Right: 0.005+/-0.000 χ^2/NDF : 621271.5/35

In: 0.007+/-0.000 χ^2/NDF :1760686.1/29

Out: 0.006+/-0.000 χ^2/NDF :1597892.2/32

All: 0.006+/-0.000 χ^2/NDF : 3363676.6/62

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: -3.386+/-0.000 χ^2/NDF : 6848919002.6/12

Left: -3.354+/-0.000 χ^2/NDF : 14430131938.7/26

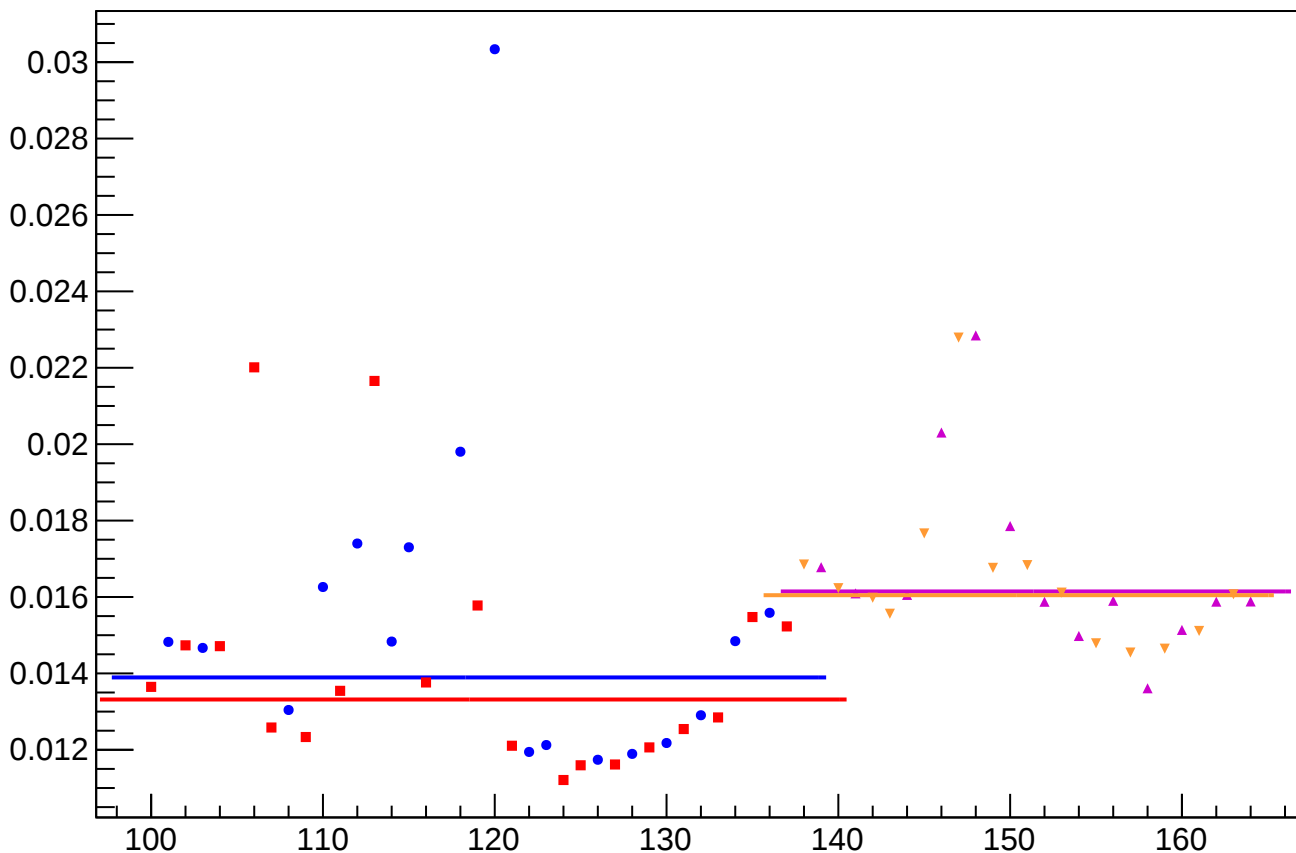
Right: 0.045+/-0.000 χ^2/NDF : 38872167594.9/35

In: -1.785+/-0.000 χ^2/NDF : 234392467355.0/29

Out: -1.732+/-0.000 χ^2/NDF : 229768345083.1/32

All: -1.757+/-0.000 χ^2/NDF : 464261126344.5

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 400569.4/16

Left Out: 0.016+/-0.000 χ^2/NDF :194148.9/13

Right Out: 0.013+/-0.000 χ^2/NDF : 291358.0/18

Left In: 0.016+/-0.000 χ^2/NDF :274823.4/12

Left: 0.016+/-0.000 χ^2/NDF : 469336.7/26

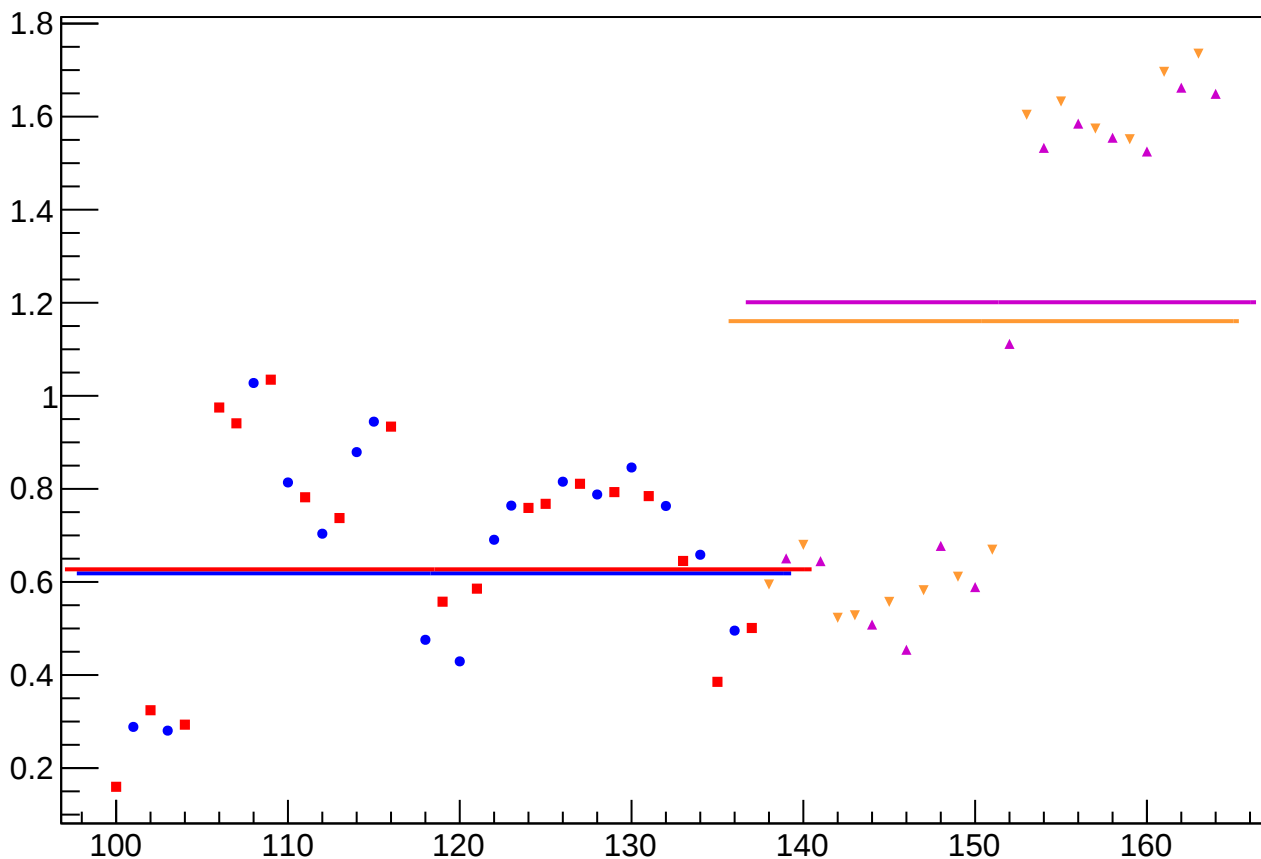
Right: 0.014+/-0.000 χ^2/NDF : 703029.7/35

In: 0.015+/-0.000 χ^2/NDF :845575.6/29

Out: 0.015+/-0.000 χ^2/NDF :764765.5/32

All: 0.015+/-0.000 χ^2/NDF : 1622073.3/62

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.619 $\pm$ 0.000 χ^2/NDF : 5416939288.1/16

Left Out: 1.160 $\pm$ 0.000 χ^2/NDF : 54883818611.9/13

Right Out: 0.627 $\pm$ 0.000 χ^2/NDF : 6337935219.4/18

Left In: 1.201 $\pm$ 0.000 χ^2/NDF : 48205428555.3/12

Left: 1.182 $\pm$ 0.000 χ^2/NDF : 103268623335.1/26

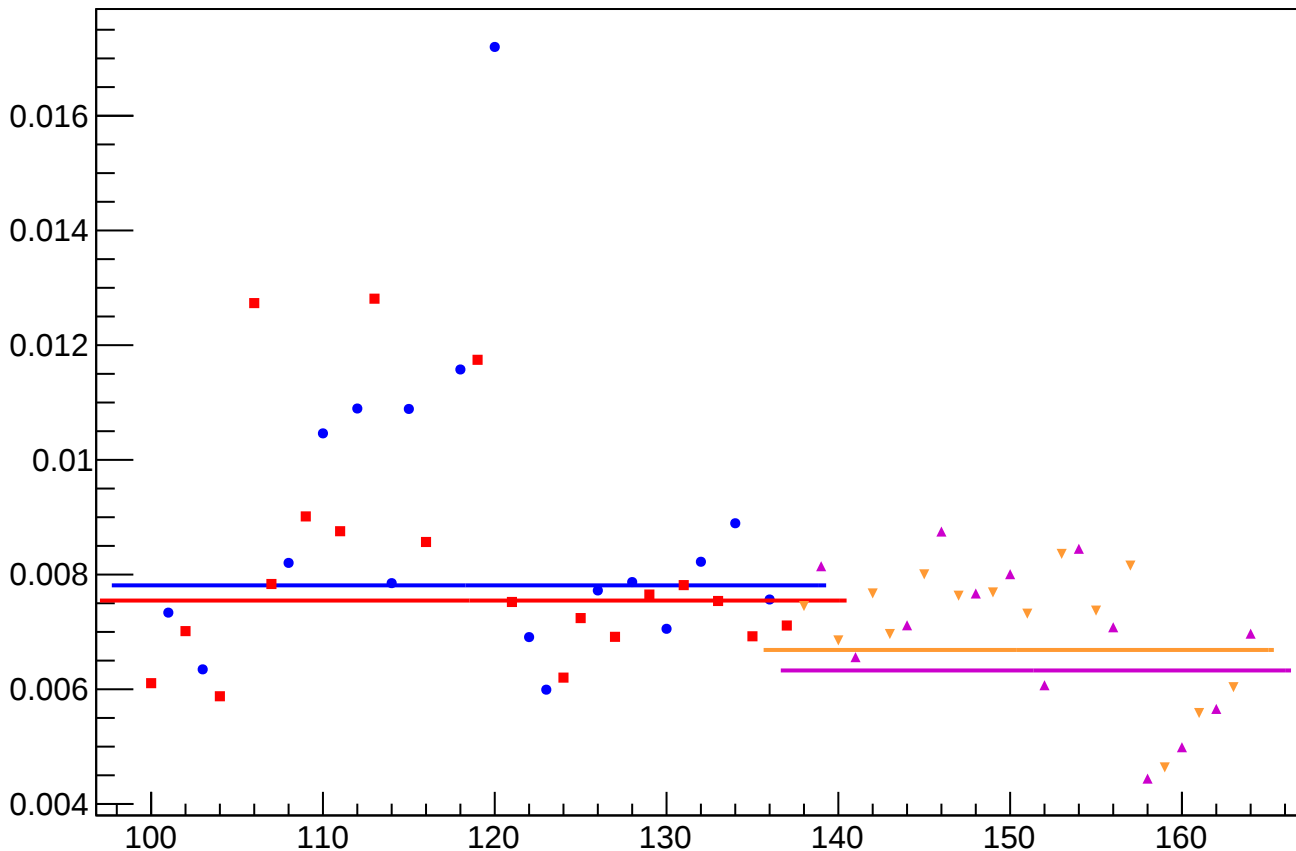
Right: 0.623 $\pm$ 0.000 χ^2/NDF : 11758668415.9/35

In: 1.030 $\pm$ 0.000 χ^2/NDF : 76468741574.9/29

Out: 0.977 $\pm$ 0.000 χ^2/NDF : 81487005515.8/32

All: 1.004 $\pm$ 0.000 χ^2/NDF : 158407040049.9

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 : 846553.9/12

Left: 0.006+/-0.000 χ^2/NDF : 1489633.4/26

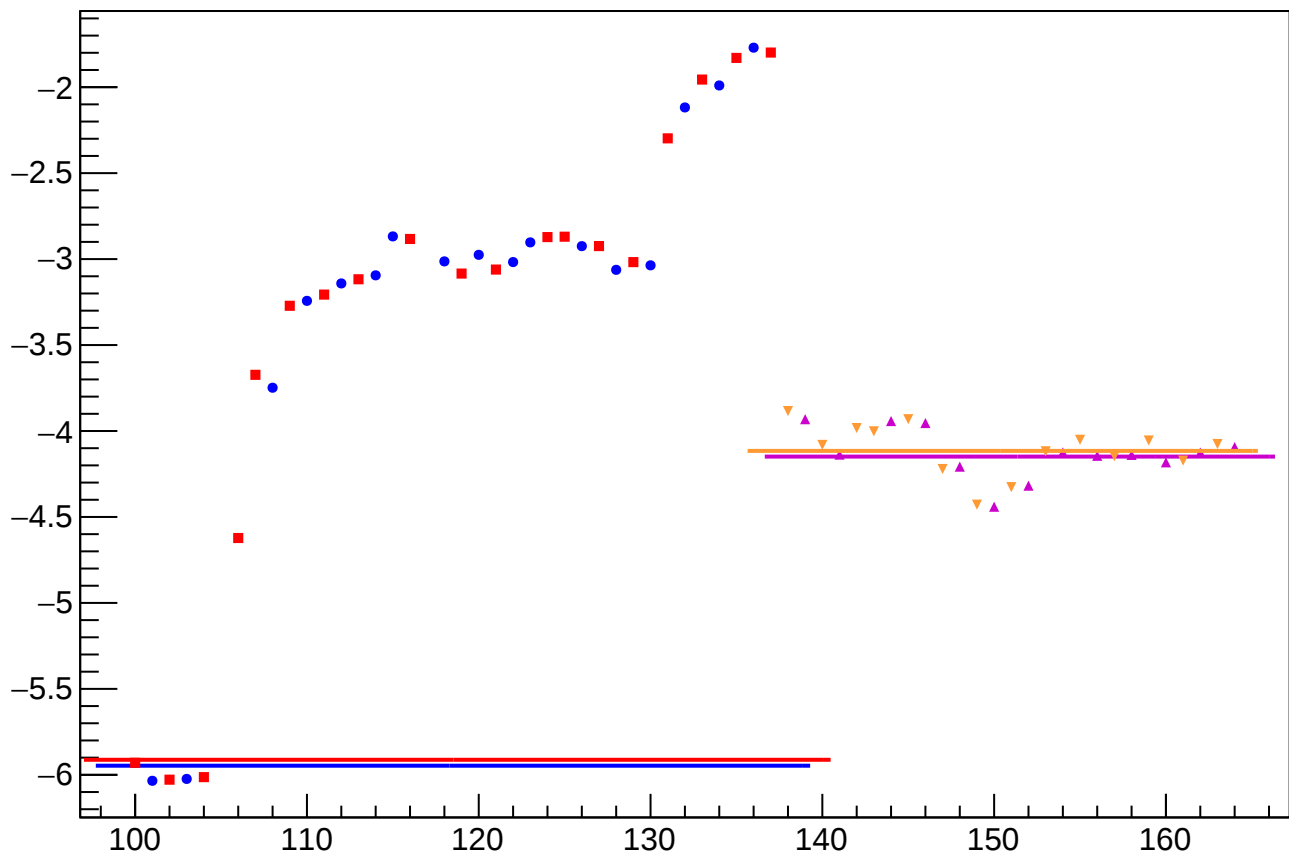
Right: 0.008+/-0.000 χ^2/NDF : 915777.7/35

In: 0.007+/-0.000 χ^2/NDF : 1609762.6/29

Out: 0.007+/-0.000 χ^2/NDF : 1162880.6/32

All: 0.007+/-0.000 χ^2/NDF : 2787851.6/62

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: -4.149+/-0.000 χ^2/NDF : 21264086.8/12

Left: -4.136+/-0.000 χ^2/NDF : 51834757.4/26

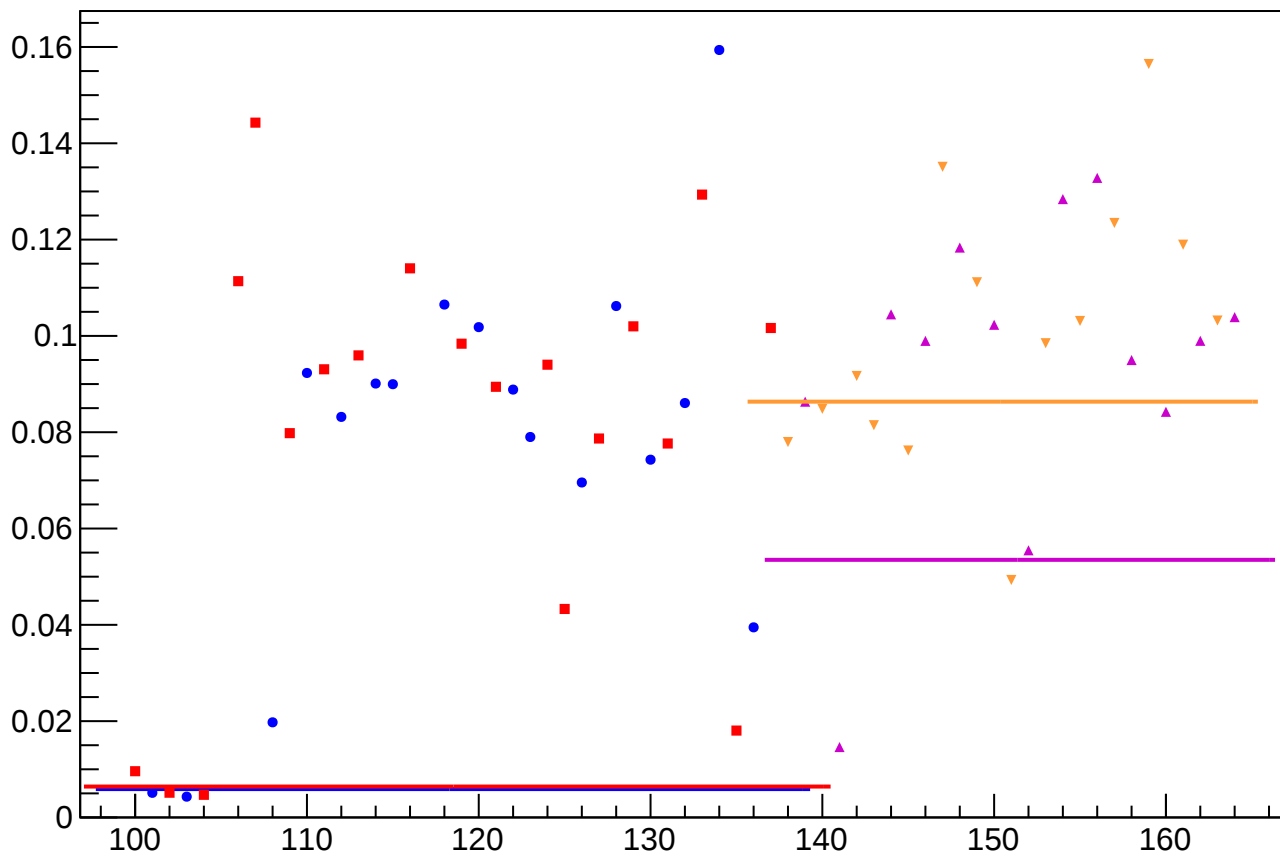
Right: -5.932+/-0.000 χ^2/NDF : 27811040884.1/35

In: -5.882+/-0.000 χ^2/NDF : 18709759577.8/29

Out: -5.861+/-0.000 χ^2/NDF : 18169819411.5/32

All: -5.873+/-0.000 χ^2/NDF : 36889189278.9/65

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: 0.053+/-0.000 χ^2/NDF :6142888.2/12

Left: 0.066+/-0.000 χ^2/NDF : 9153734.3/26

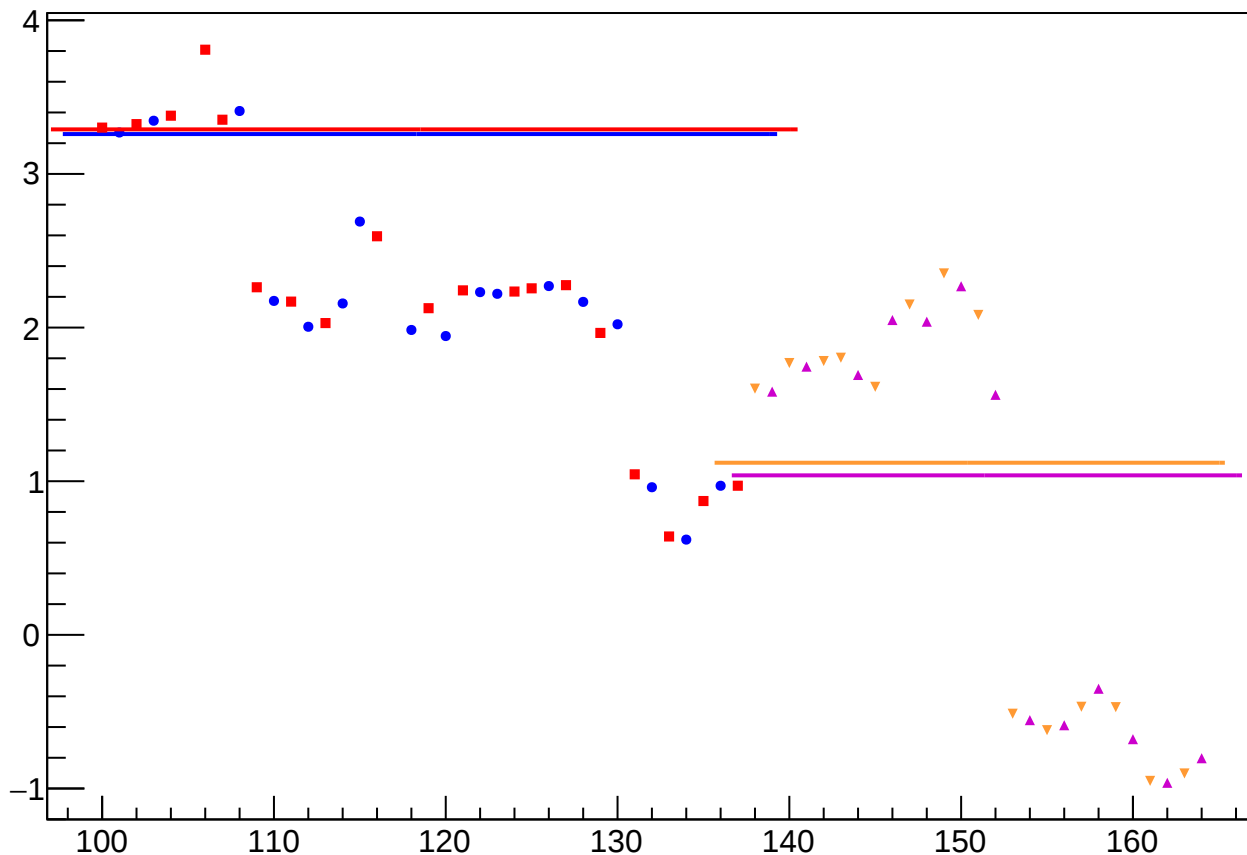
Right: 0.006+/-0.000 χ^2/NDF : 16444798.1/35

In: 0.008+/-0.000 χ^2/NDF :21820030.8/29

Out: 0.009+/-0.000 χ^2/NDF :23959337.6/32

All: 0.008+/-0.000 χ^2/NDF : 45831518.3/62

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: 1.038+/-0.000 χ^2/NDF : 1498273168.1/12

Left: 1.077+/-0.000 χ^2/NDF : 2974507068.4/26

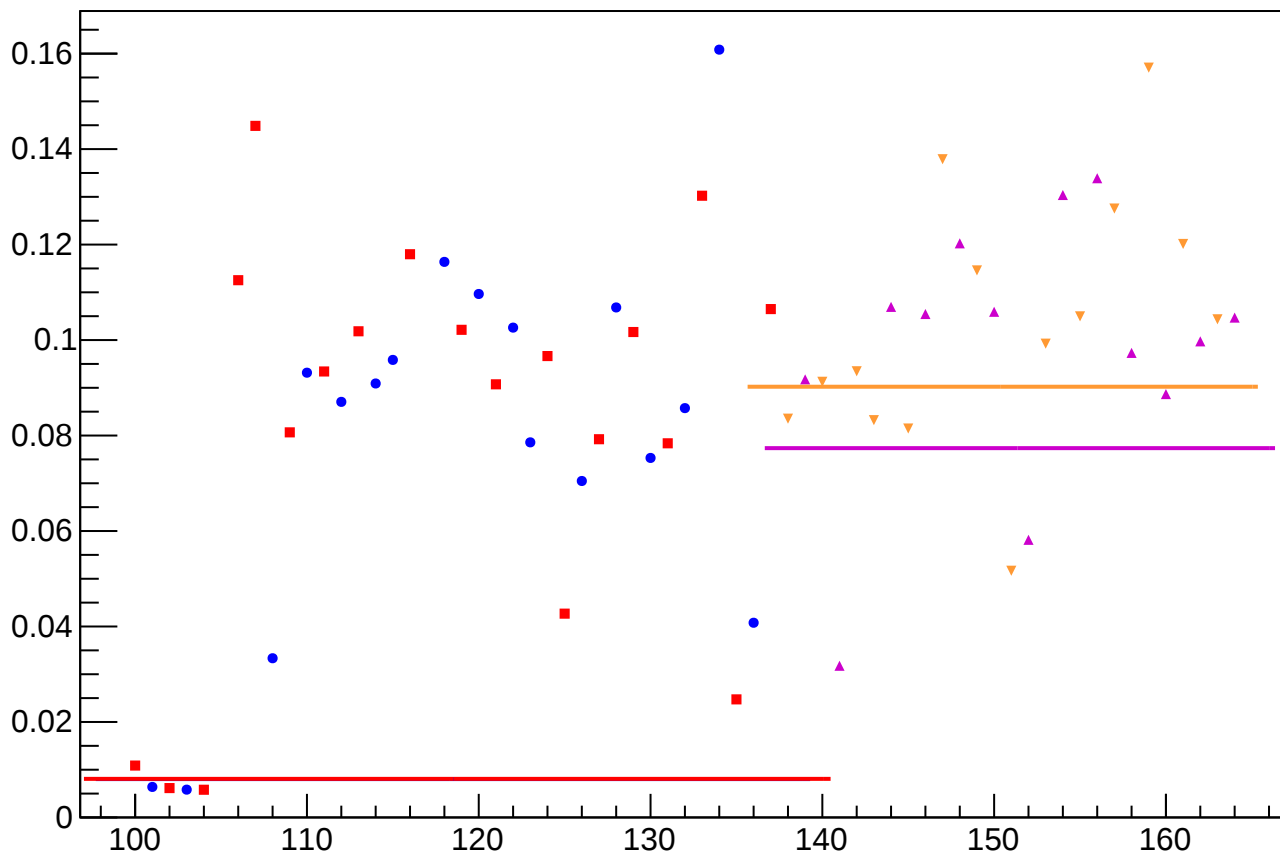
Right: 3.274+/-0.000 χ^2/NDF : 6196998308.4/35

In: 3.173+/-0.000 χ^2/NDF : 9940636341.9/29

Out: 3.208+/-0.000 χ^2/NDF : 9435208474.7/32

All: 3.190+/-0.000 χ^2/NDF : 19393473276.6/66

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.090+/-0.000 χ^2/NDF :1391987.5/13

Right Out: 0.008+/-0.000 χ^2/NDF : 8309426.5/18

Left In: 0.077+/-0.000 χ^2/NDF :2692633.6/12

Left: 0.083+/-0.000 χ^2/NDF : 4266227.6/26

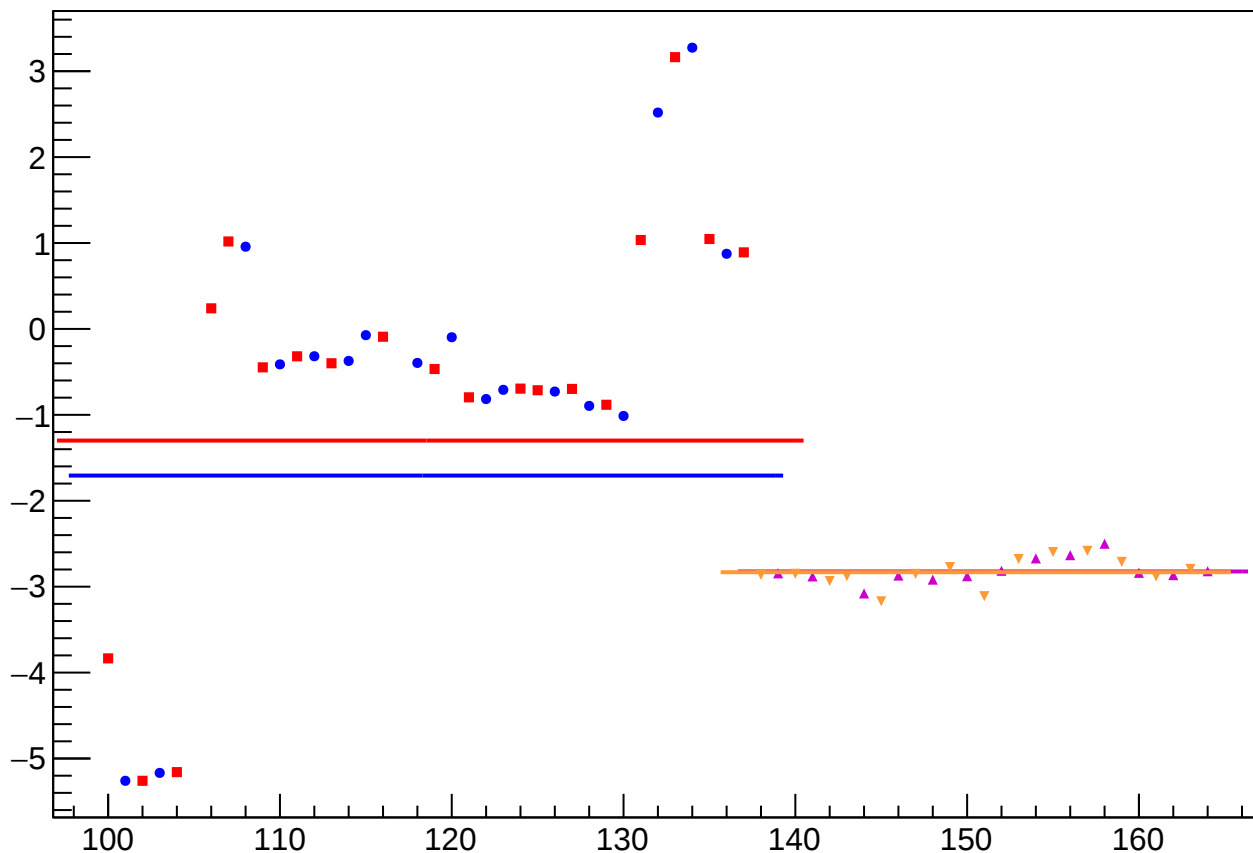
Right: 0.008+/-0.000 χ^2/NDF : 16051528.4/35

In: 0.011+/-0.000 χ^2/NDF :21187361.5/29

Out: 0.011+/-0.000 χ^2/NDF :23176298.9/32

All: 0.011+/-0.000 χ^2/NDF : 44369372.7/62

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.707 $\pm$ 0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.832 $\pm$ 0.000 χ^2/NDF : 4357391785.9/13

Right Out: -1.299 $\pm$ 0.000 χ^2/NDF : 178036726841.2/18

Left In: -2.823 $\pm$ 0.000 χ^2/NDF : 3223283350.7/12

Left: -2.827 $\pm$ 0.000 χ^2/NDF : 7586662786.1/26

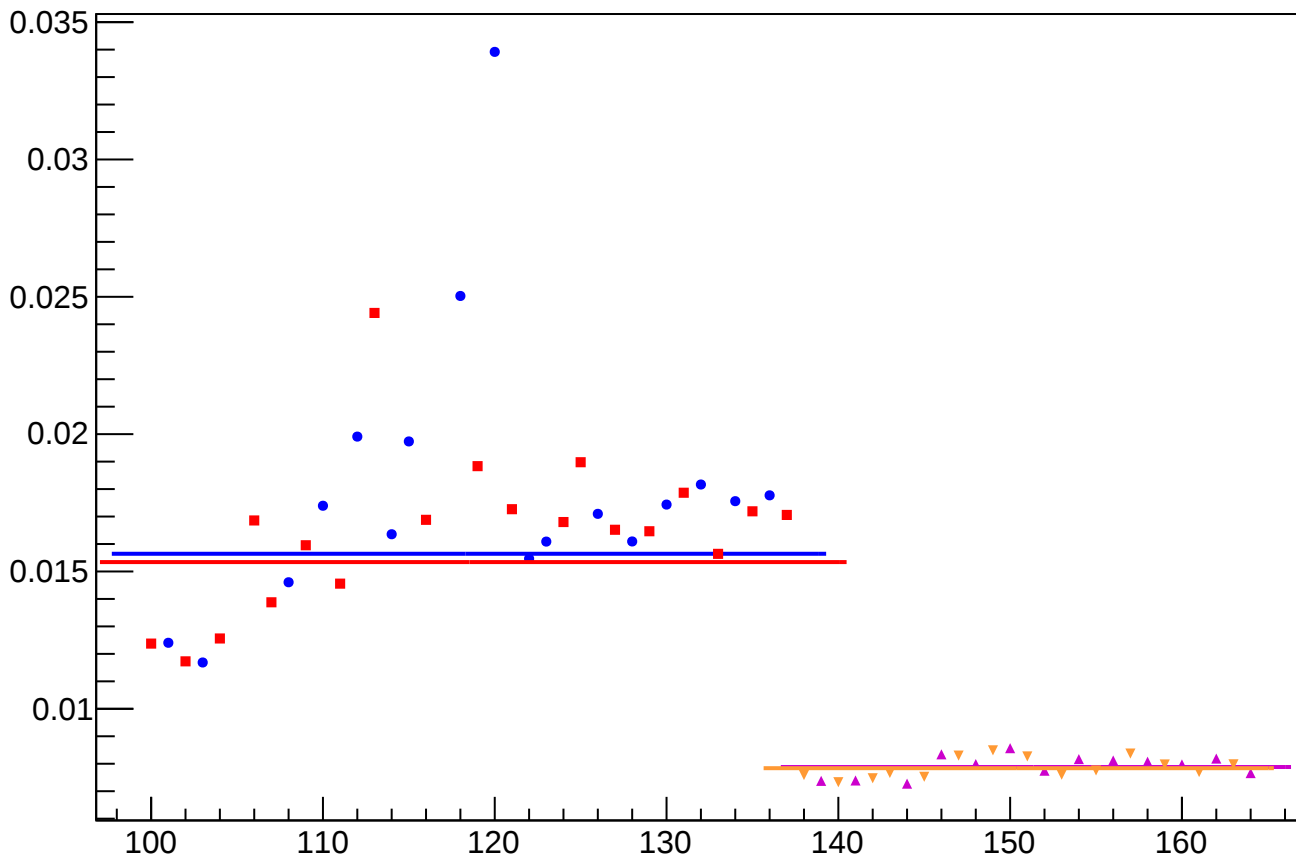
Right: -1.489 $\pm$ 0.000 χ^2/NDF : 346196986988.8/35

In: -2.682 $\pm$ 0.000 χ^2/NDF : 194273331751.5/29

Out: -2.618 $\pm$ 0.000 χ^2/NDF : 235612197760.0/32

All: -2.649 $\pm$ 0.000 χ^2/NDF : 430261199502.9

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 : 48359.5/12

Left: 0.008+/-0.000 χ^2/NDF : 89178.1/26

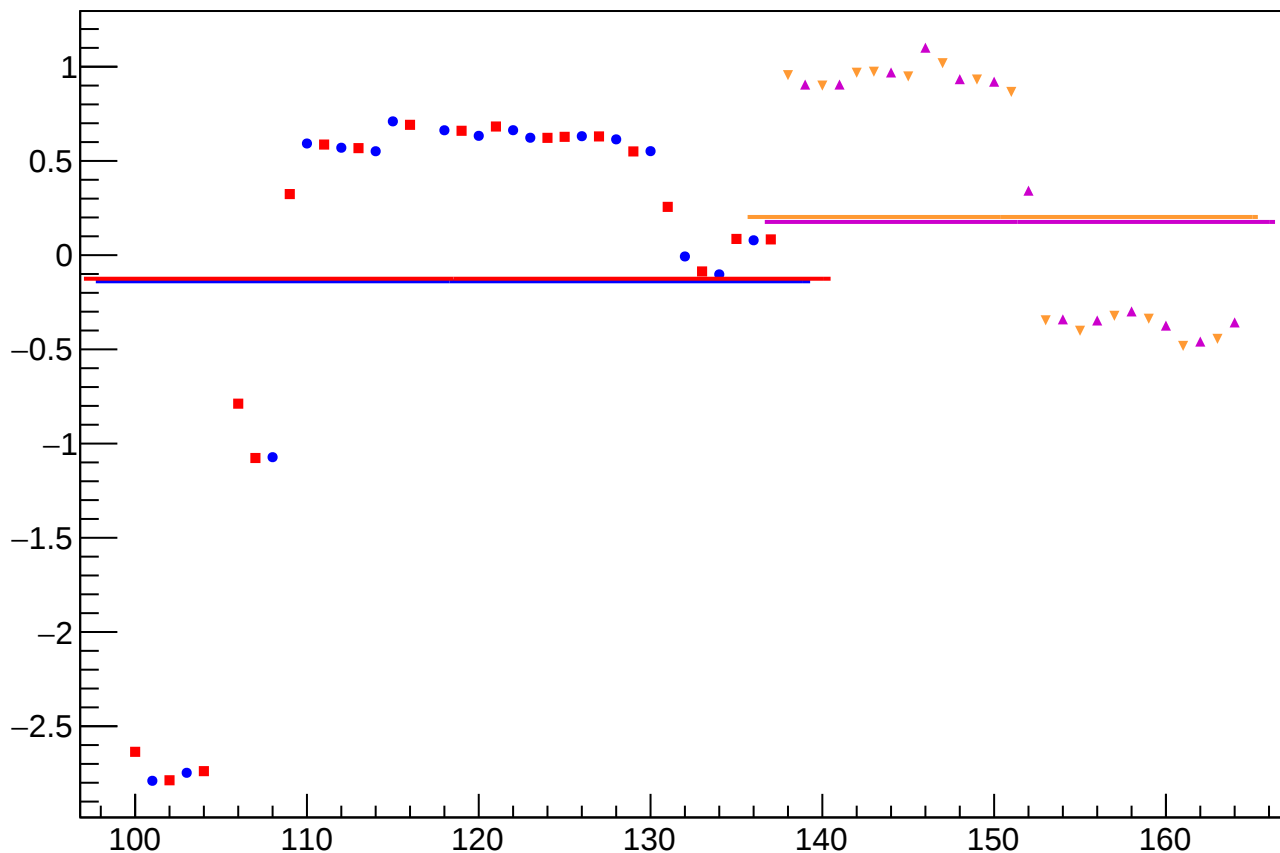
Right: 0.015+/-0.000 χ^2/NDF : 934296.8/35

In: 0.009+/-0.000 χ^2/NDF : 3038344.5/29

Out: 0.009+/-0.000 χ^2/NDF : 2946767.1/32

All: 0.009+/-0.000 χ^2/NDF : 5985190.6/62

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.000

χ^2/NDF : 715049983856.2/16

Left: 0.189+/-0.000 χ^2/NDF : 197023886356.5/26

Right: -0.132+/-0.000 χ^2/NDF : 1476596319761.2/3

Left Out: 0.203+/-0.000

χ^2/NDF : 106071431668.7/13

In: -0.038+/-0.000 χ^2/NDF : 822176934807.0/29

Right Out: -0.125+/-0.000

χ^2/NDF : 761496762534.7/18

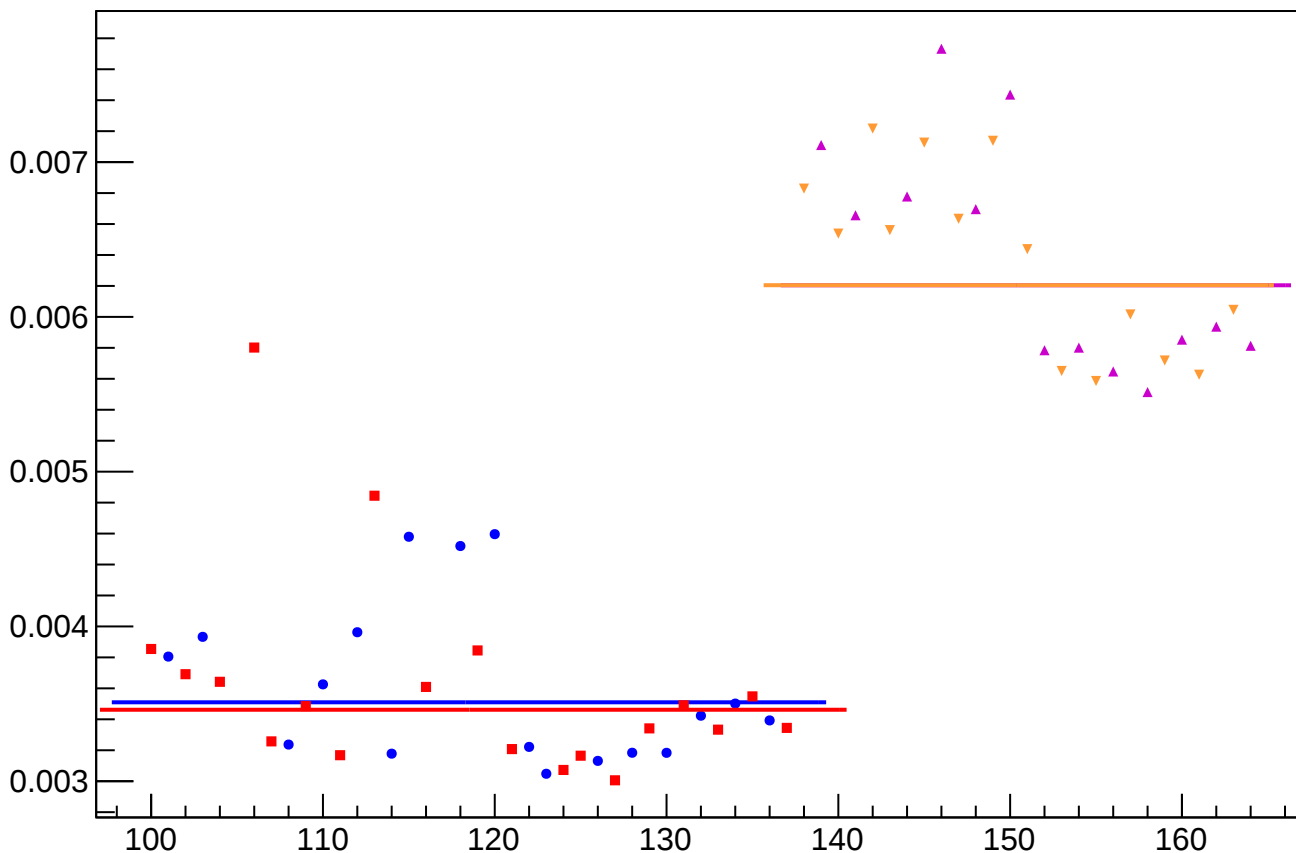
Out: -0.027+/-0.000 χ^2/NDF : 885679278107.9/32

Left In: 0.176+/-0.000

χ^2/NDF : 90868729075.9/12

All: -0.032+/-0.000 χ^2/NDF : 1707907263572

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 :204275.4/12

Left: 0.006+/-0.000 χ^2/NDF : 351600.8/26

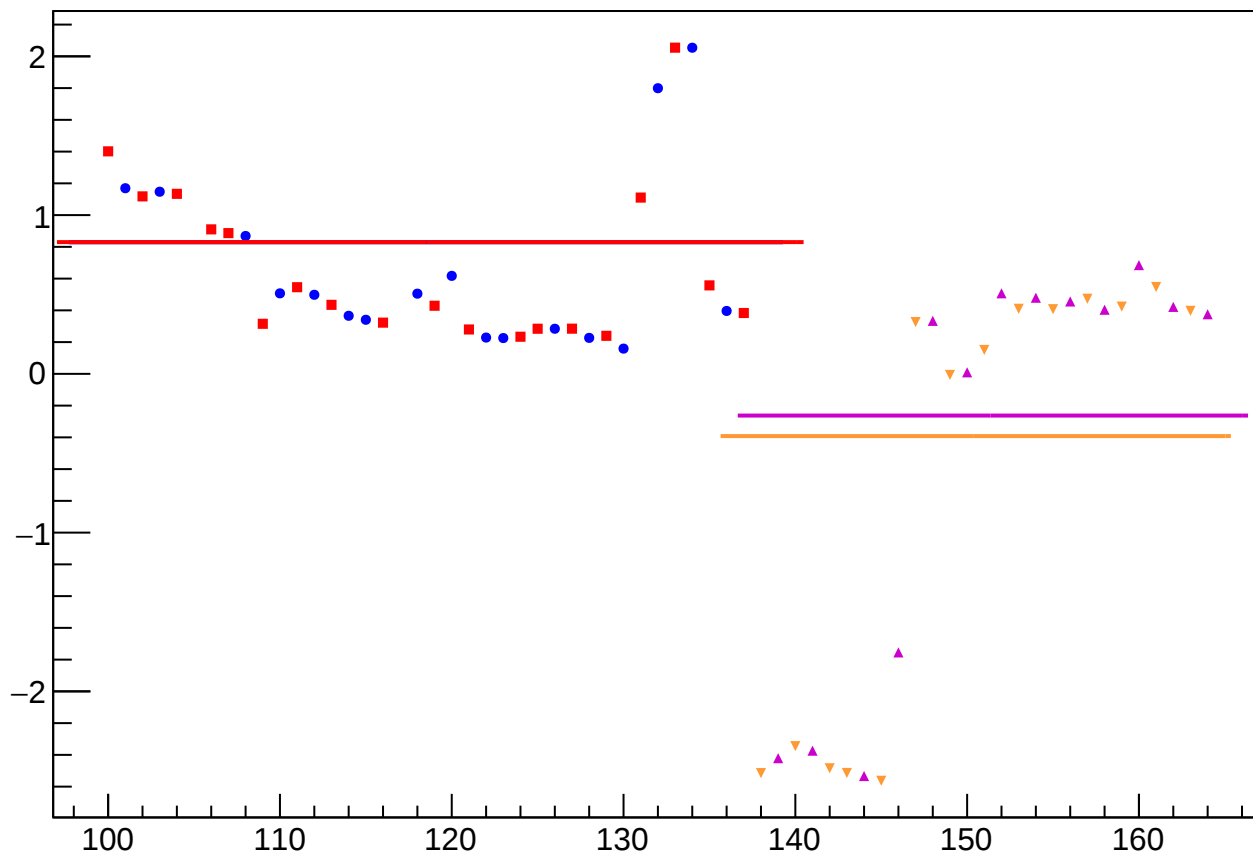
Right: 0.003+/-0.000 χ^2/NDF : 388552.5/35

In: 0.004+/-0.000 χ^2/NDF :2754385.6/29

Out: 0.004+/-0.000 χ^2/NDF :2900096.7/32

All: 0.004+/-0.000 χ^2/NDF : 5660047.4/62

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: -0.263+/-0.000 χ^2/NDF : 380065159020.7/12

Left: -0.328+/-0.000 χ^2/NDF : 817299554306.2/26

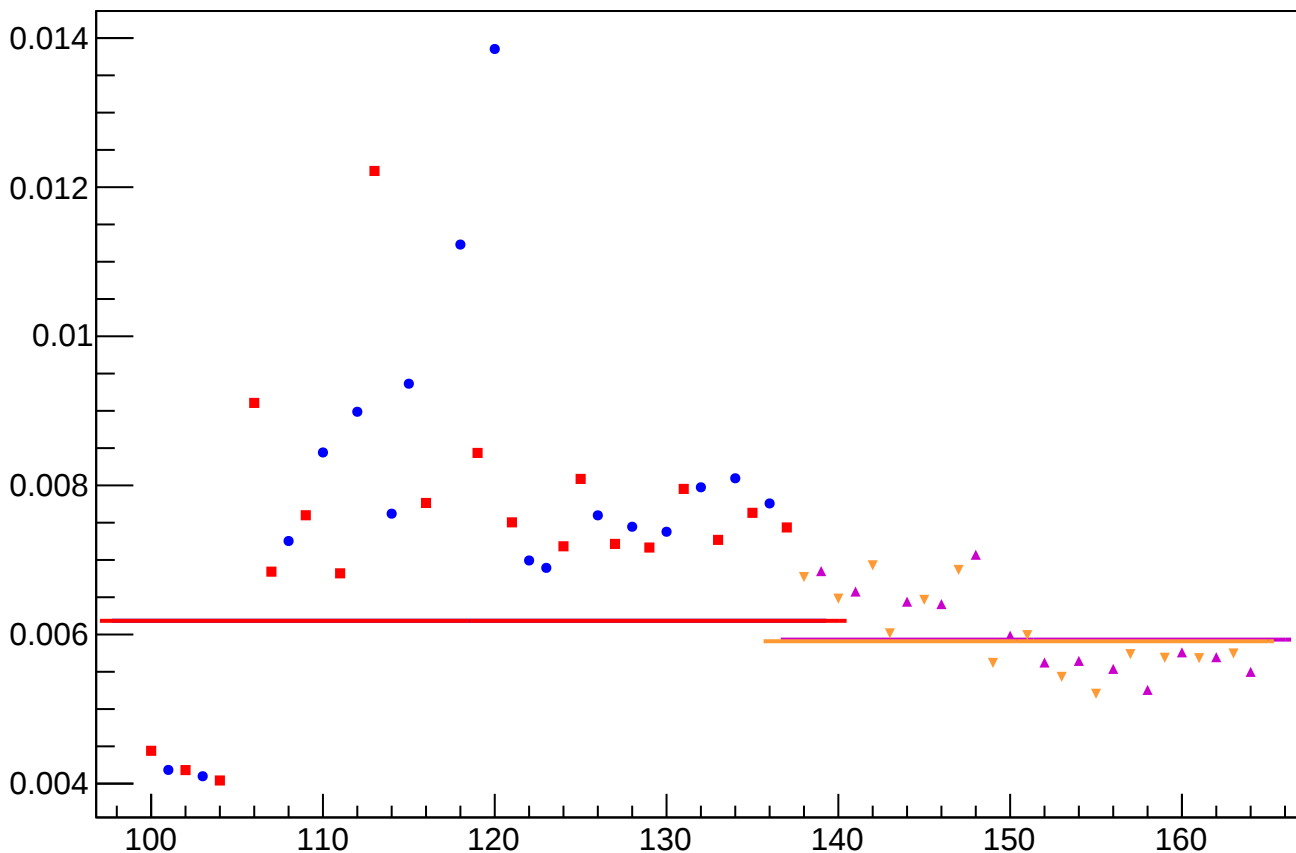
Right: 0.829+/-0.000 χ^2/NDF : 65054312510.0/35

In: 0.107+/-0.000 χ^2/NDF : 521369331936.5/29

Out: 0.041+/-0.000 χ^2/NDF : 614619335250.6/32

All: 0.073+/-0.000 χ^2/NDF : 1136880514759.

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 :147690.0/12

Left: 0.006+/-0.000 χ^2/NDF : 286776.2/26

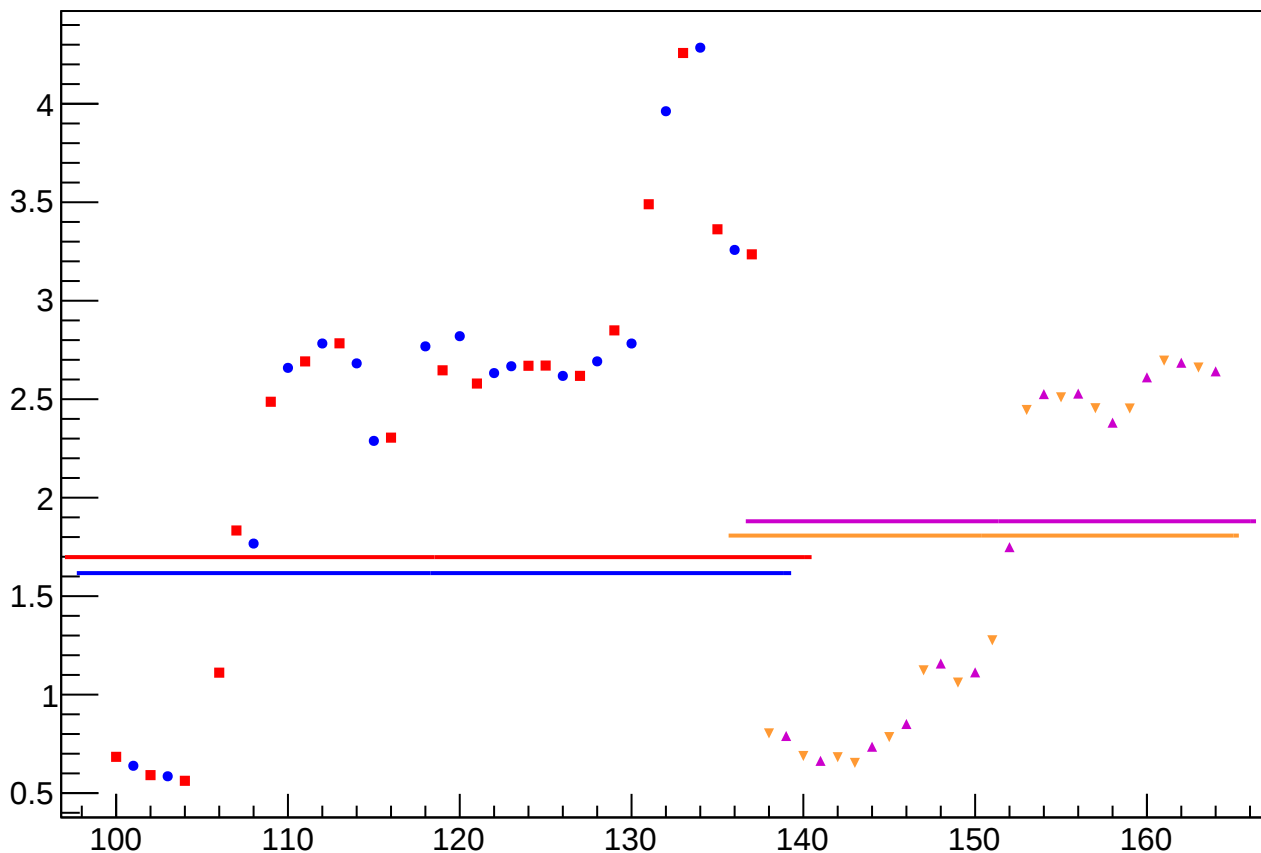
Right: 0.006+/-0.000 χ^2/NDF : 2255798.5/35

In: 0.006+/-0.000 χ^2/NDF :1388434.0/29

Out: 0.006+/-0.000 χ^2/NDF :1180491.0/32

All: 0.006+/-0.000 χ^2/NDF : 2568970.2/62

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: 1.880 $\pm$ 0.000 χ^2/NDF : 187576198129.1/12

Left: 1.844 $\pm$ 0.000 χ^2/NDF : 395213546215.9/26

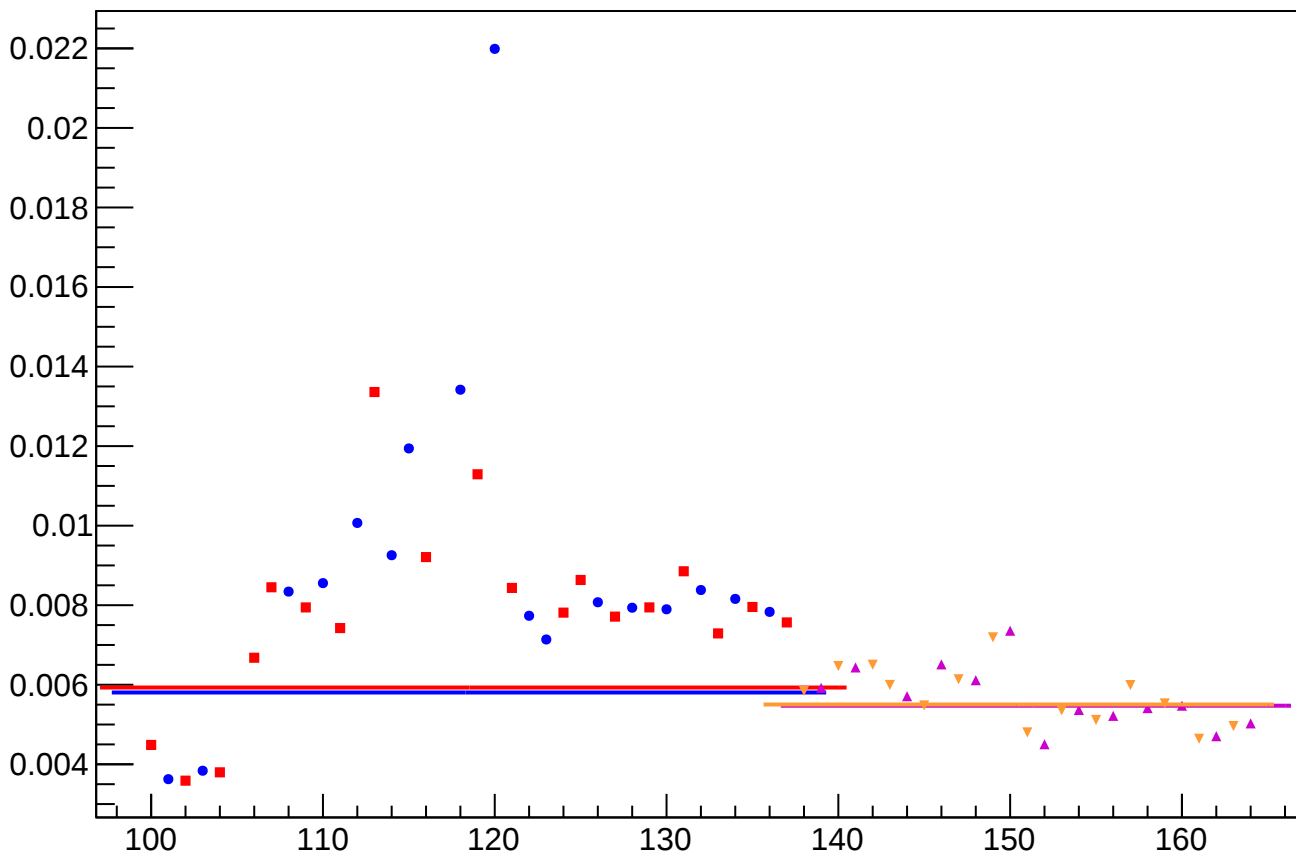
Right: 1.659 $\pm$ 0.000 χ^2/NDF : 430781224378.3/35

In: 1.796 $\pm$ 0.000 χ^2/NDF : 397192684269.9/29

Out: 1.771 $\pm$ 0.000 χ^2/NDF : 435461445439.7/32

All: 1.783 $\pm$ 0.000 χ^2/NDF : 832792960726.3

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: 0.005+/-0.000 χ^2/NDF :306798.1/12

Left: 0.005+/-0.000 χ^2/NDF : 567643.9/26

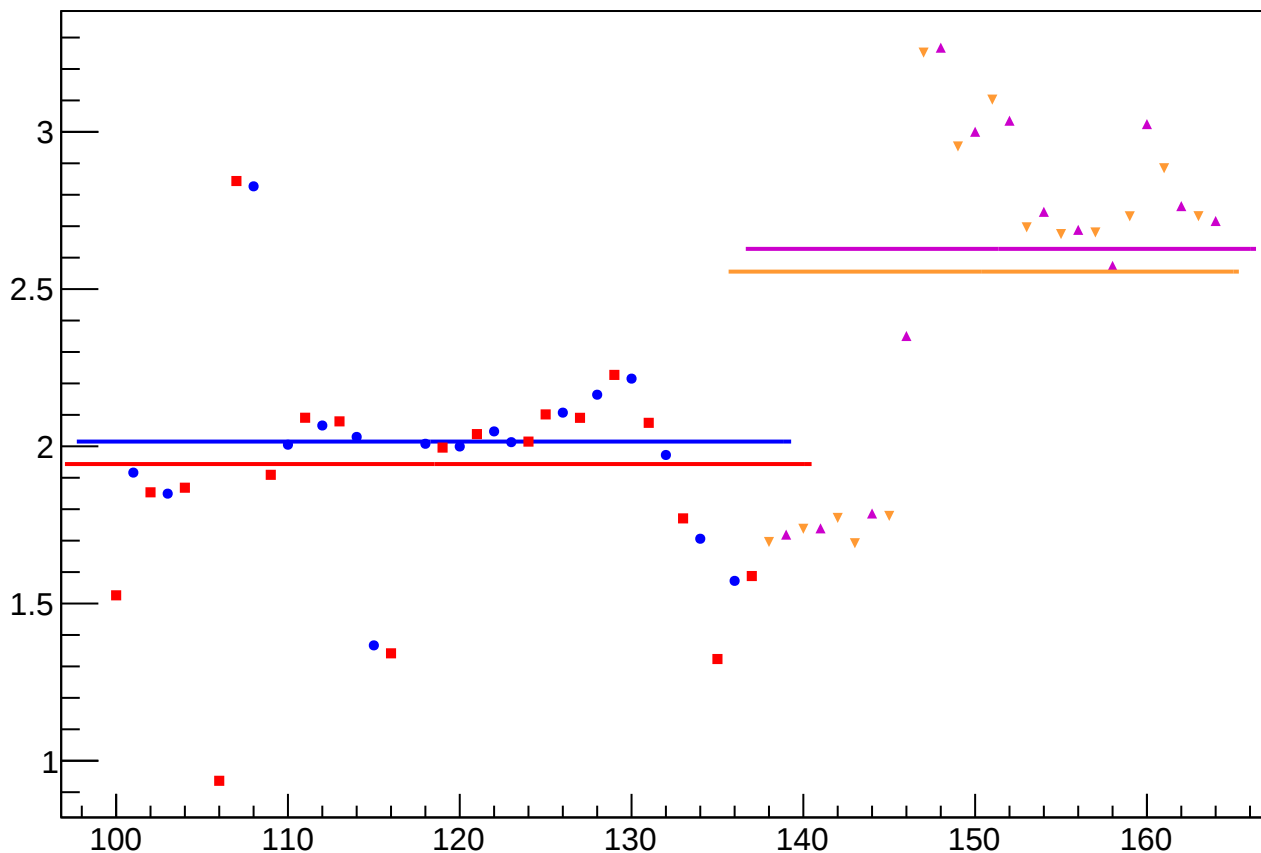
Right: 0.006+/-0.000 χ^2/NDF : 3605853.8/35

In: 0.006+/-0.000 χ^2/NDF :2246239.7/29

Out: 0.006+/-0.000 χ^2/NDF :1982966.9/32

All: 0.006+/-0.000 χ^2/NDF : 4231233.8/62

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: 2.628+/-0.000 χ^2/NDF : 40577910365.1/12

Left: 2.592+/-0.000 χ^2/NDF : 89041680857.2/26

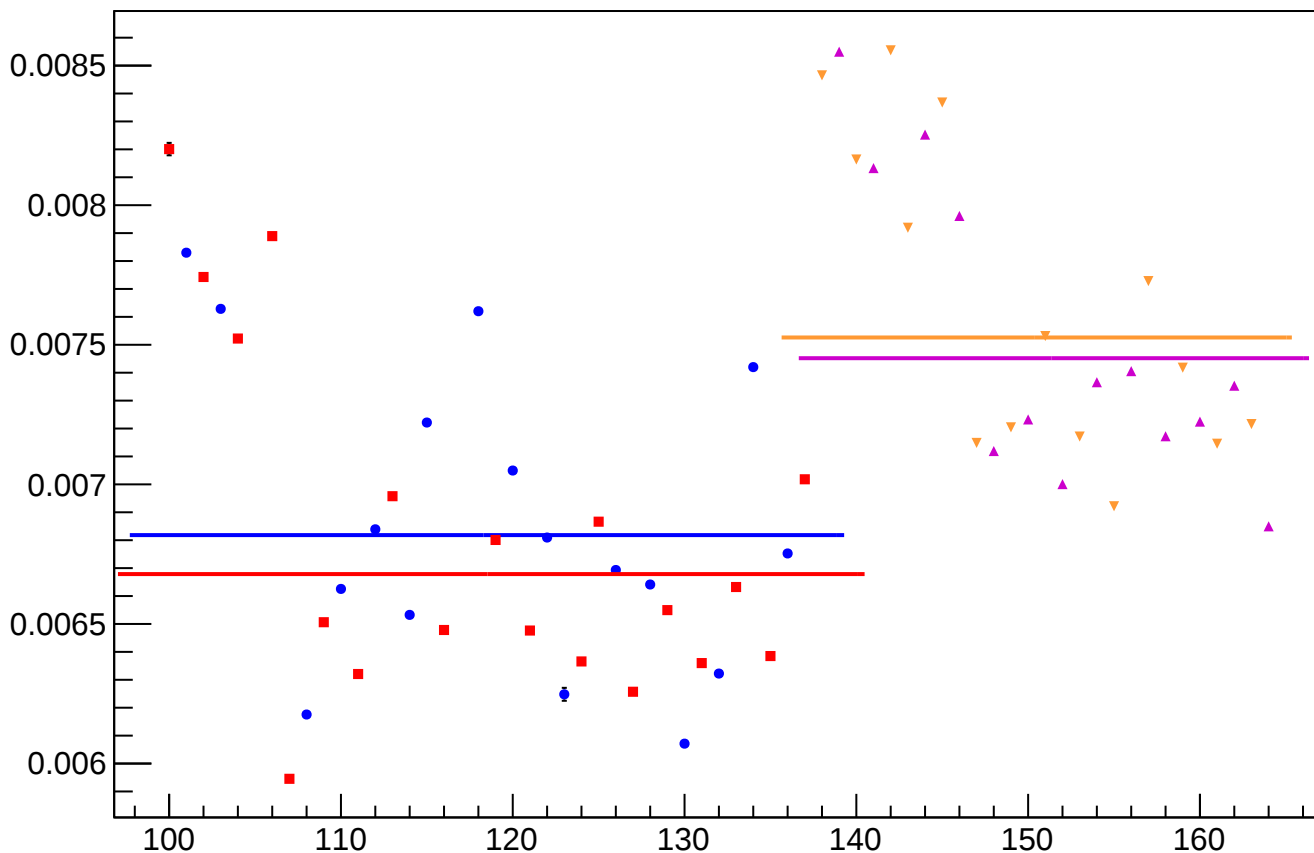
Right: 1.977+/-0.000 χ^2/NDF : 34023853436.2/35

In: 2.360+/-0.000 χ^2/NDF : 81758503496.4/29

Out: 2.271+/-0.000 χ^2/NDF : 99881172194.2/32

All: 2.315+/-0.000 χ^2/NDF : 182930590286.6

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 75813.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 86122.1/13

Right Out: 0.007+/-0.000 χ^2/NDF : 75718.4/18

Left In: 0.007+/-0.000 χ^2/NDF : 79333.3/12

Left: 0.007+/-0.000 χ^2/NDF : 166421.9/26

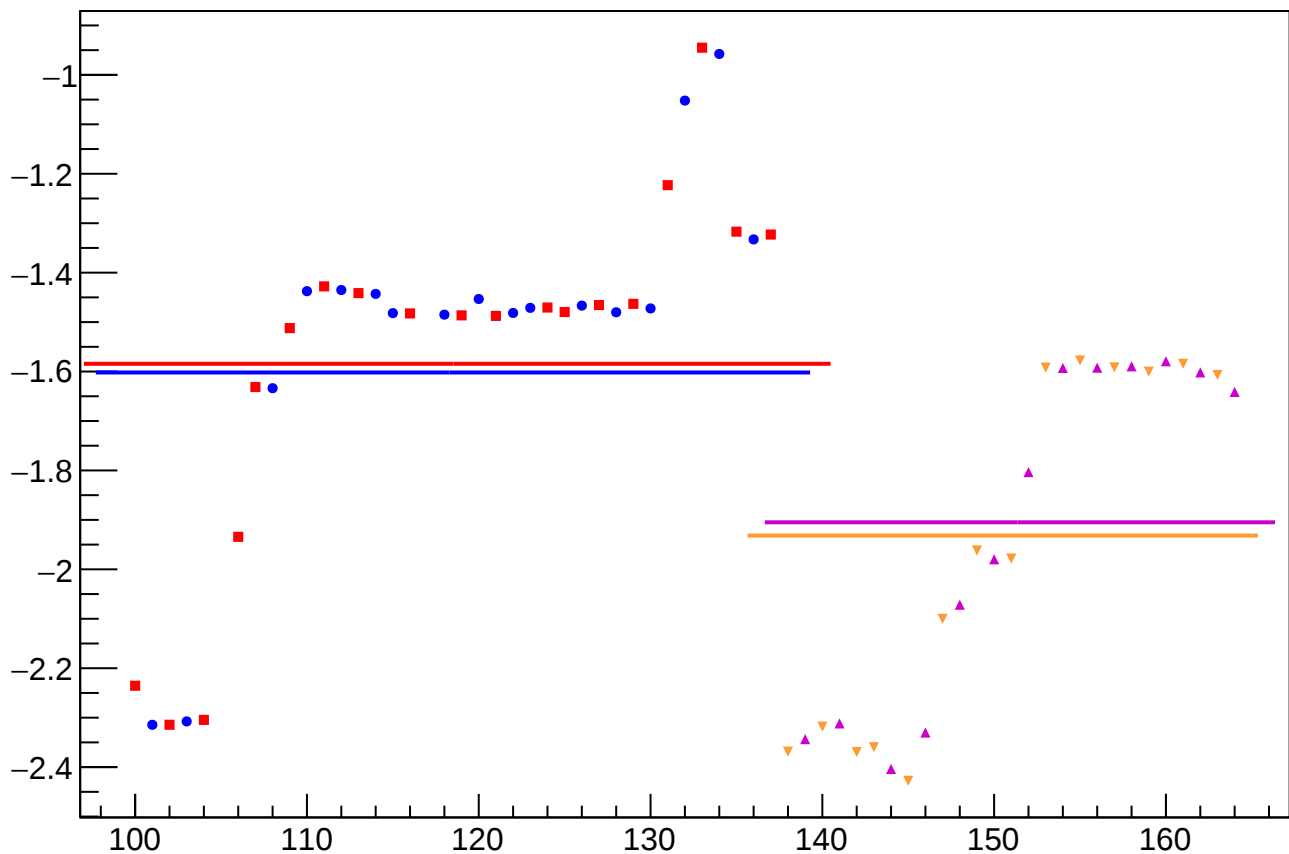
Right: 0.007+/-0.000 χ^2/NDF : 154341.2/35

In: 0.007+/-0.000 χ^2/NDF : 217055.4/29

Out: 0.007+/-0.000 χ^2/NDF : 278607.9/32

All: 0.007+/-0.000 χ^2/NDF : 496279.5/62

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: -1.905+/-0.000 χ^2/NDF : 126619988888.4/12

Left: -1.918+/-0.000 χ^2/NDF : 264968689959.9/26

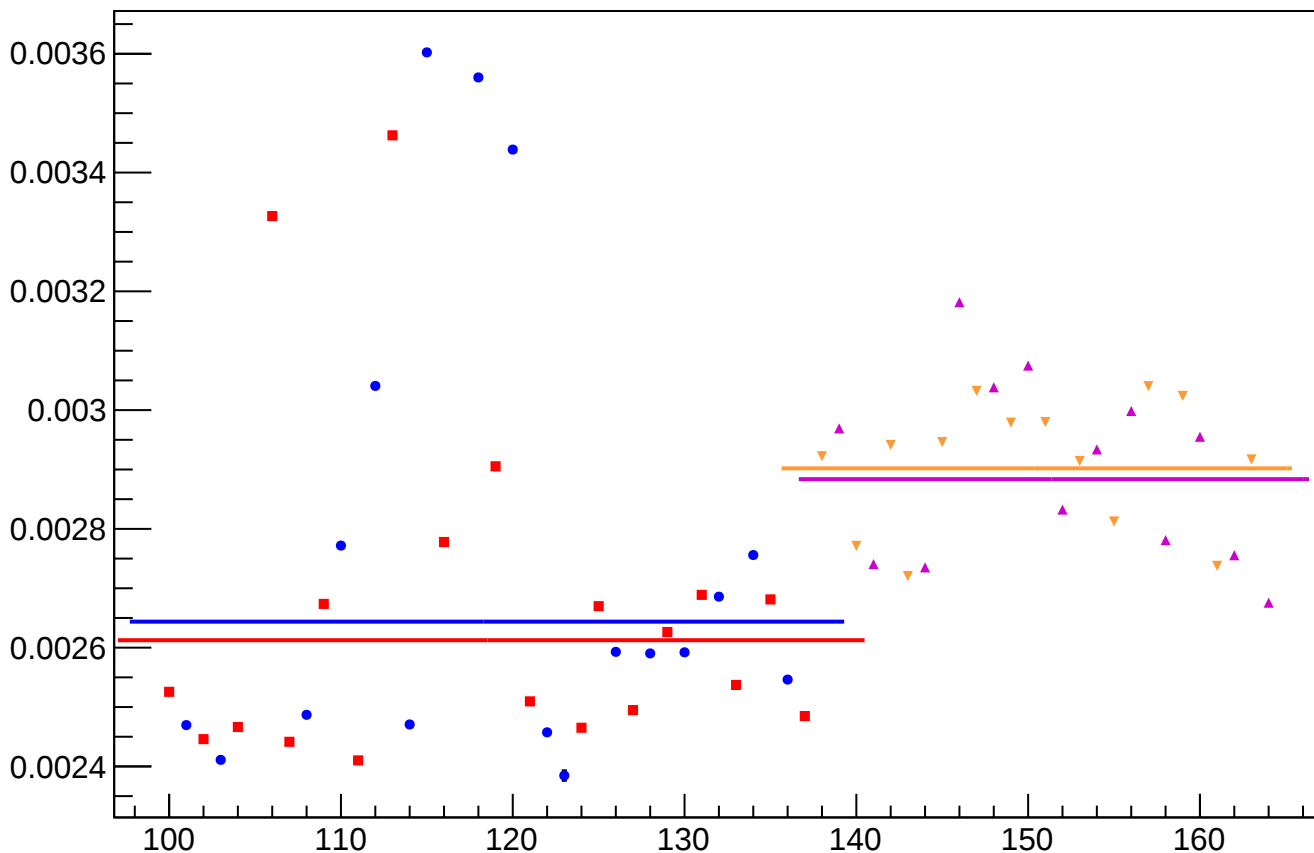
Right: -1.593+/-0.000 χ^2/NDF : 283924451158.7/35

In: -1.773+/-0.000 χ^2/NDF : 313510916819.7/29

Out: -1.773+/-0.000 χ^2/NDF : 345671291273.1/32

All: -1.773+/-0.000 χ^2/NDF : 659182276114.6

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 :49172.2/12

Left: 0.003+/-0.000 χ^2/NDF : 76203.5/26

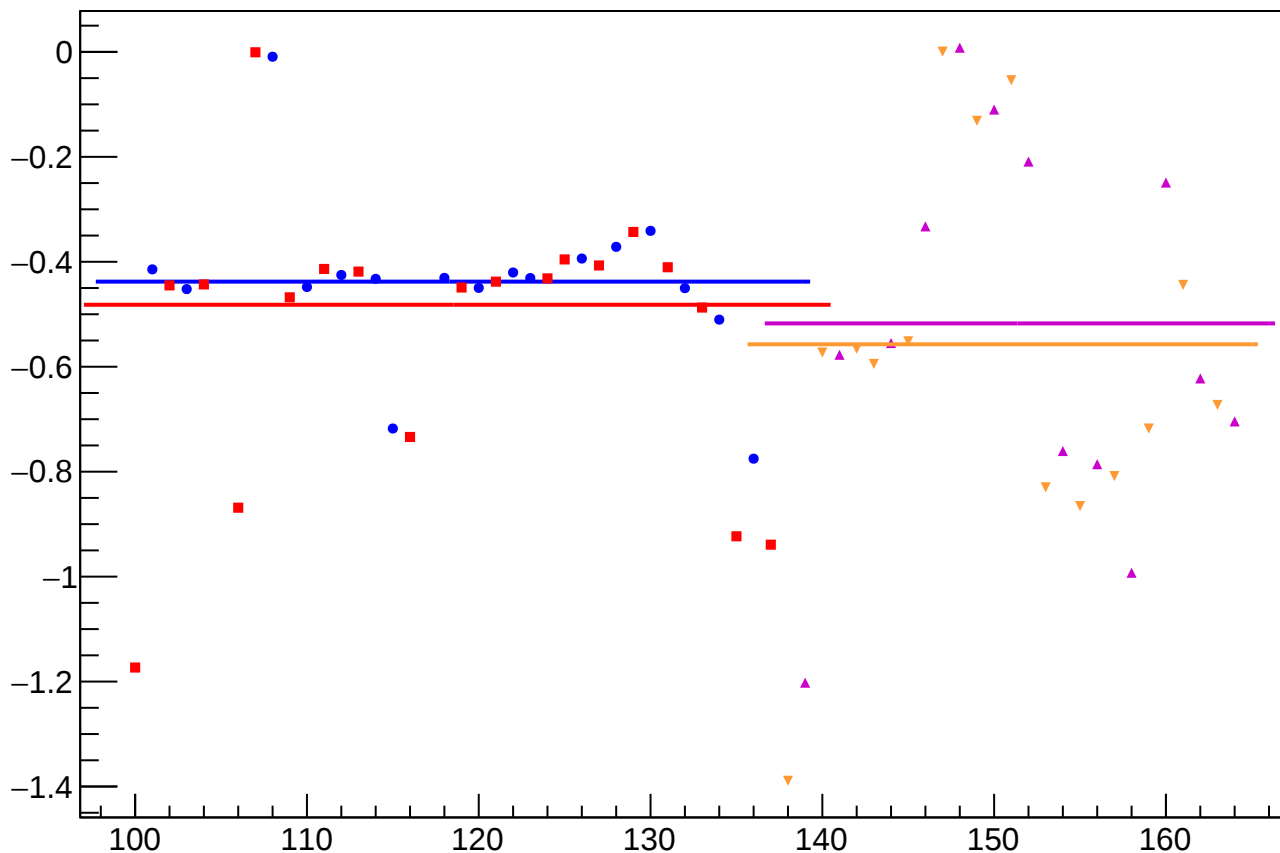
Right: 0.003+/-0.000 χ^2/NDF : 257596.7/35

In: 0.003+/-0.000 χ^2/NDF :259094.0/29

Out: 0.003+/-0.000 χ^2/NDF :220975.0/32

All: 0.003+/-0.000 χ^2/NDF : 480270.1/62

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: -0.517+/-0.000 χ^2/NDF : 7090751535.7/12

Left: -0.537+/-0.000 χ^2/NDF : 14722472628.7/26

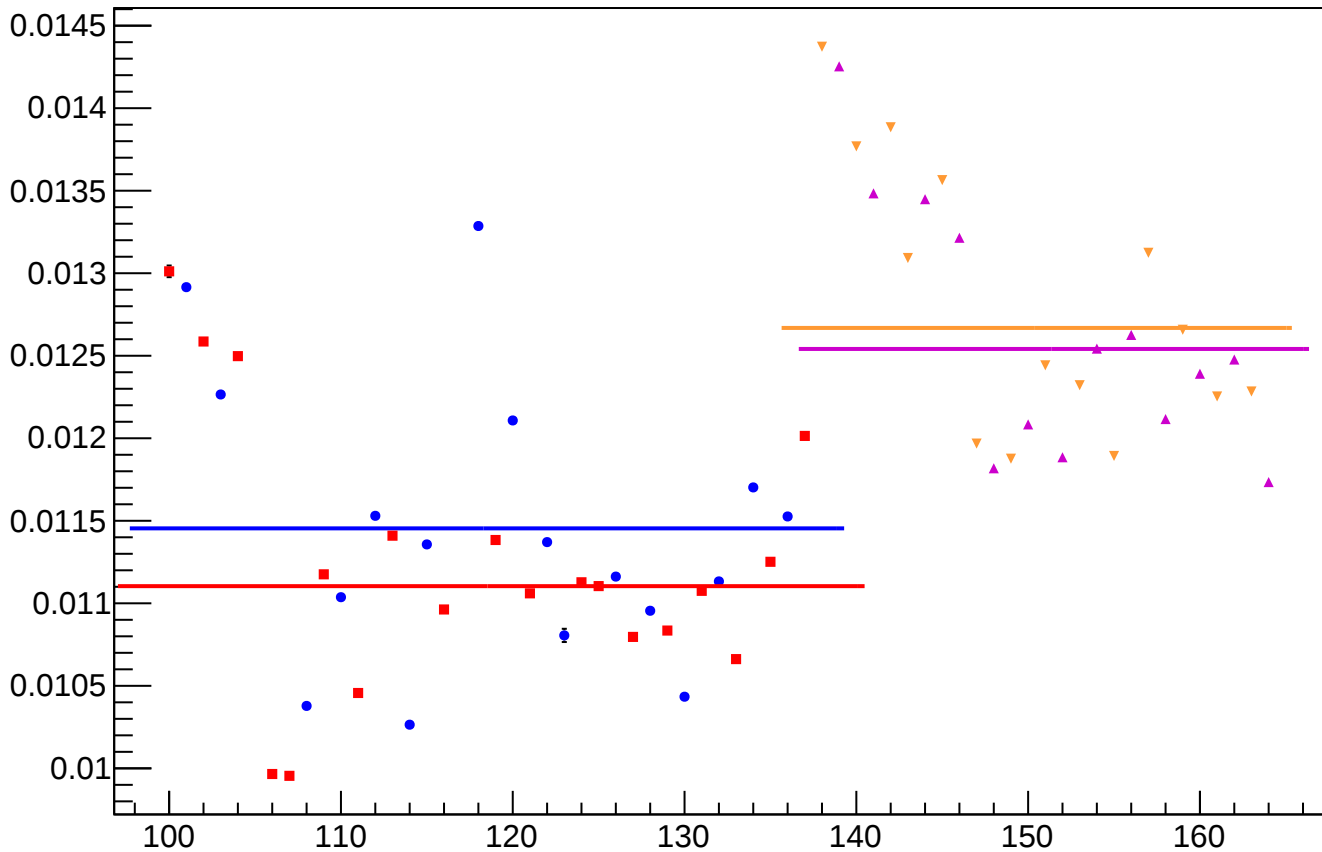
Right: -0.461+/-0.000 χ^2/NDF : 4208237576.2/35

In: -0.482+/-0.000 χ^2/NDF : 8727755796.6/29

Out: -0.521+/-0.000 χ^2/NDF : 10444452066.5/32

All: -0.502+/-0.000 χ^2/NDF : 19260133357.1/70

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 : 58586.0/12

Left: 0.013+/-0.000 χ^2/NDF : 126784.9/26

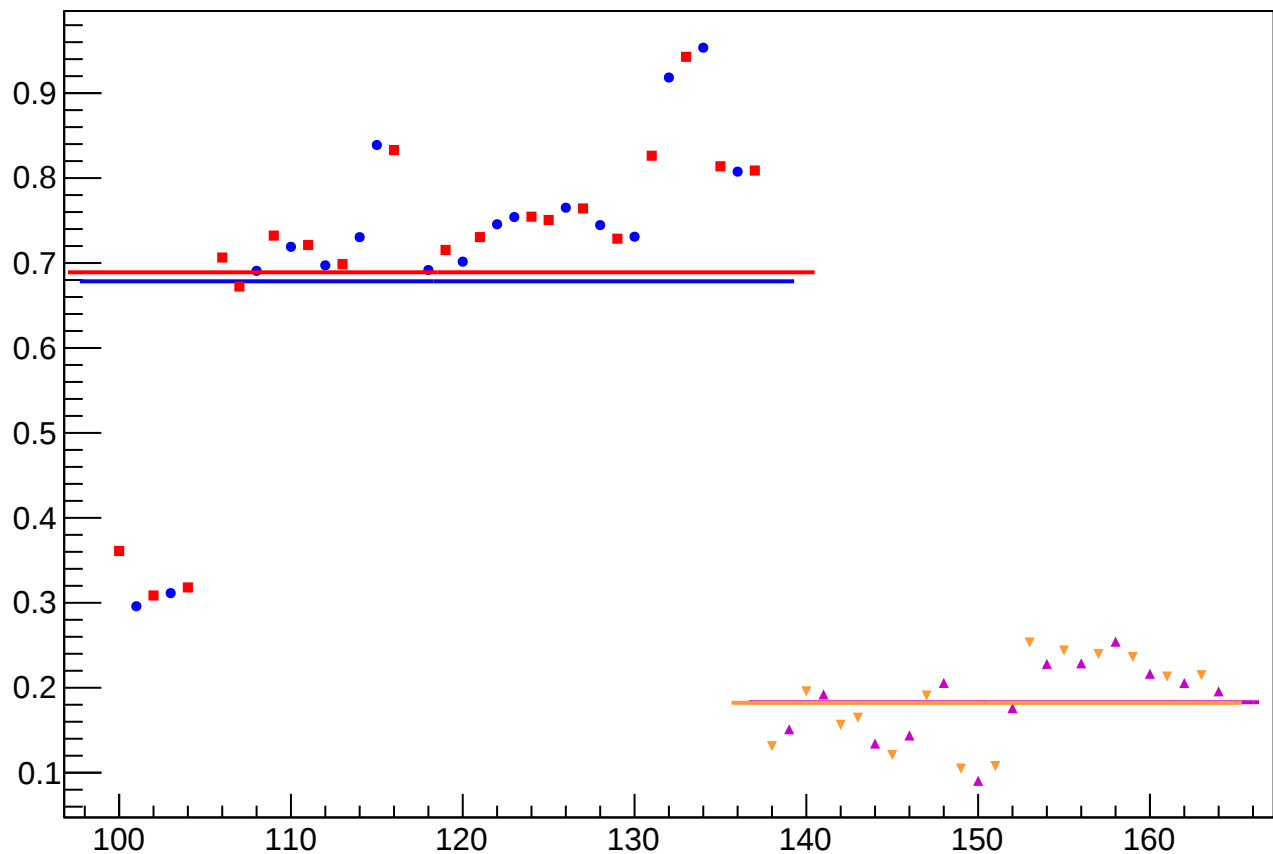
Right: 0.011+/-0.000 χ^2/NDF : 127177.8/35

In: 0.012+/-0.000 χ^2/NDF : 188299.5/29

Out: 0.012+/-0.000 χ^2/NDF : 267558.9/32

All: 0.012+/-0.000 χ^2/NDF : 458004.9/62

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: 0.183+/-0.000 χ^2/NDF : 4116467588.0/12

Left: 0.183+/-0.000 χ^2/NDF : 9432352650.3/26

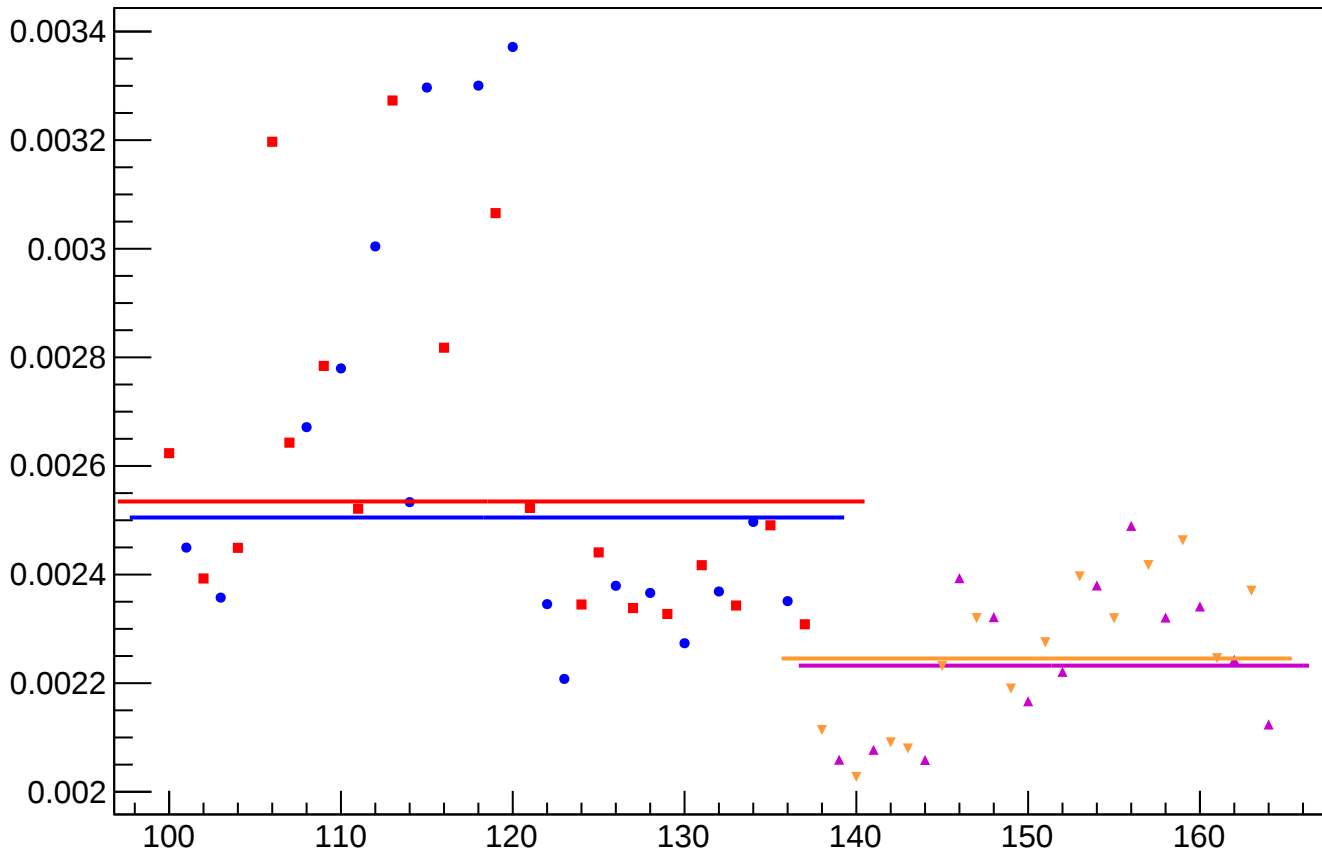
Right: 0.684+/-0.000 χ^2/NDF : 73922739006.0/35

In: 0.348+/-0.000 χ^2/NDF : 209049534577.9/29

Out: 0.353+/-0.000 χ^2/NDF : 218239369872.8/32

All: 0.350+/-0.000 χ^2/NDF : 427335897622.6

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 : 74099.4/12

Left: 0.002+/-0.000 χ^2/NDF : 146887.1/26

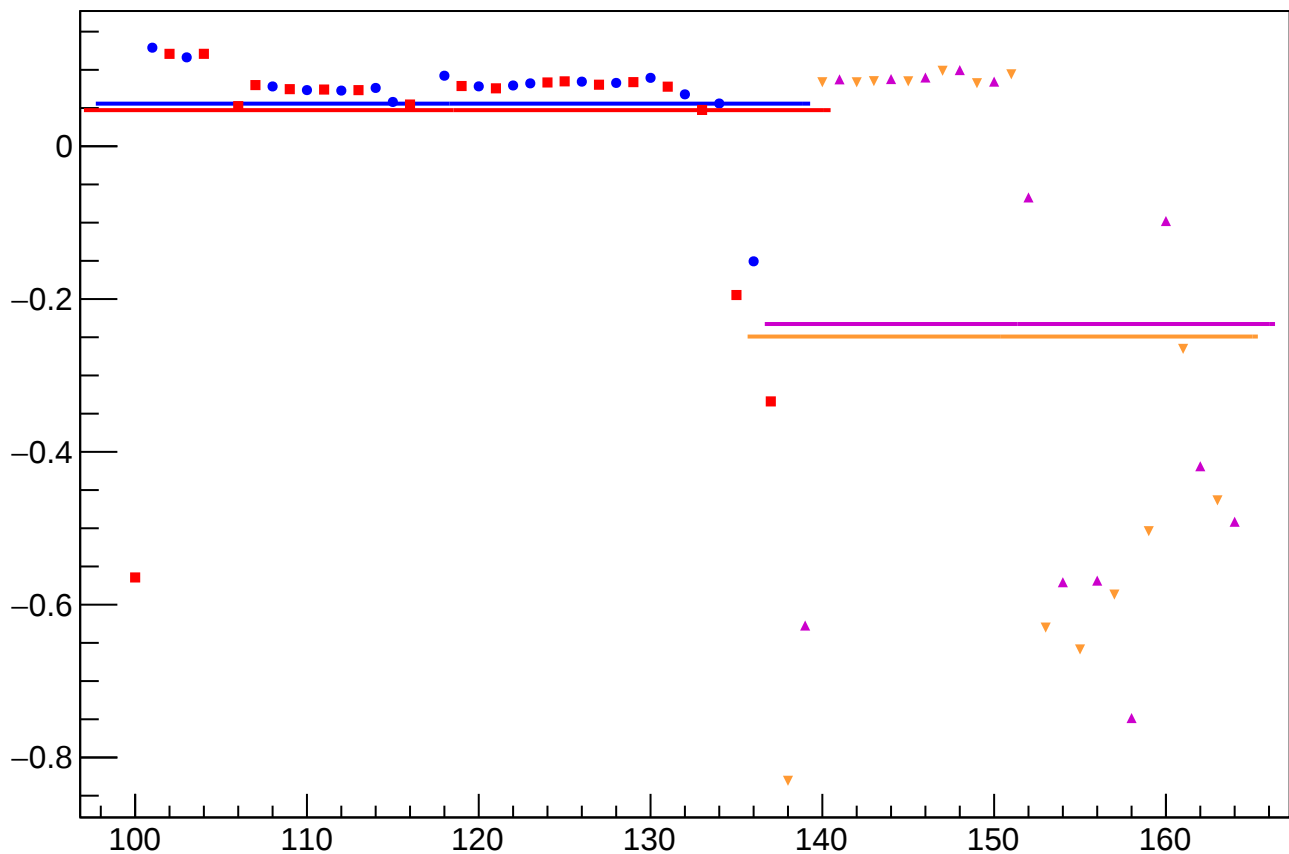
Right: 0.003+/-0.000 χ^2/NDF : 308029.3/35

In: 0.002+/-0.000 χ^2/NDF : 350474.8/29

Out: 0.002+/-0.000 χ^2/NDF : 319638.4/32

All: 0.002+/-0.000 χ^2/NDF : 671340.7/62

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.249+/-0.000 χ^2/NDF : 8682965430.0/13

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

Left In: -0.233+/-0.000 χ^2/NDF : 7668025210.4/12

Left: -0.241+/-0.000 χ^2/NDF : 16361181904.4/26

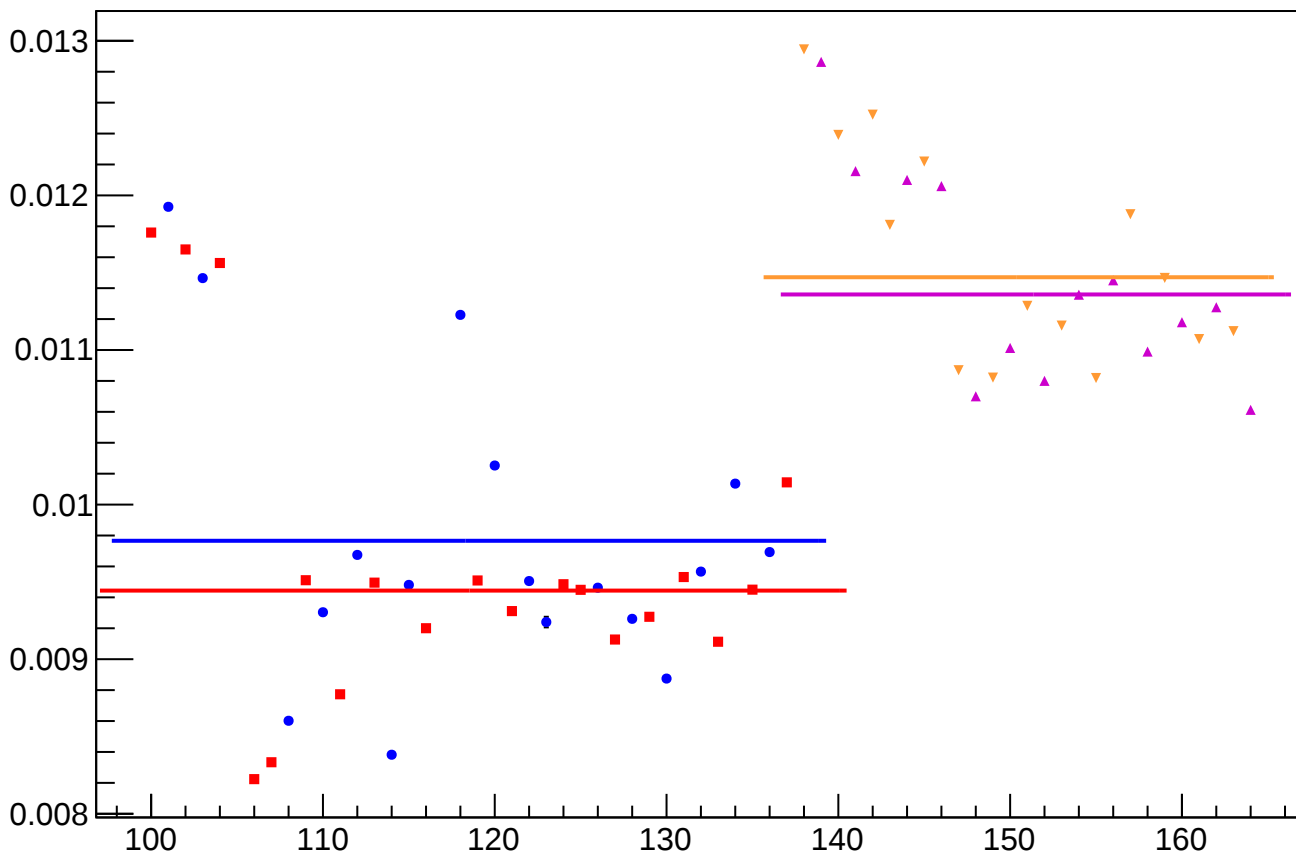
Right: 0.051+/-0.000 χ^2/NDF : 1245197626.4/35

In: -0.097+/-0.000 χ^2/NDF : 11061528792.1/29

Out: -0.099+/-0.000 χ^2/NDF : 12861770711.3/32

All: -0.098+/-0.000 χ^2/NDF : 23923709317.1/65

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 : 55620.5/12

Left: 0.011+/-0.000 χ^2/NDF : 116723.7/26

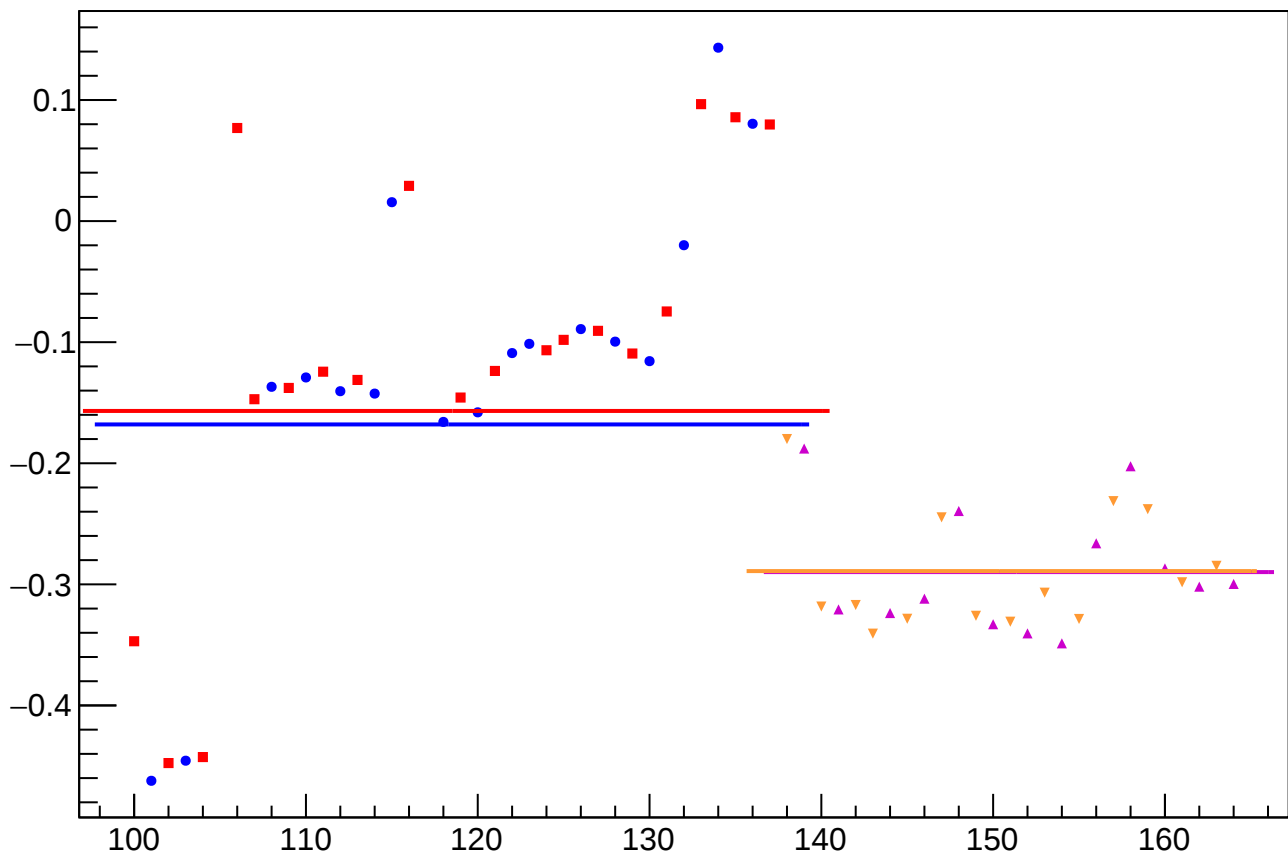
Right: 0.010+/-0.000 χ^2/NDF : 234814.0/35

In: 0.011+/-0.000 χ^2/NDF : 353570.2/29

Out: 0.010+/-0.000 χ^2/NDF : 485215.0/32

All: 0.011+/-0.000 χ^2/NDF : 842734.7/62

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.289+/-0.000 χ^2/NDF : 2668726913.7/13

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

Left In: -0.290+/-0.000 χ^2/NDF : 3061657148.7/12

Left: -0.289+/-0.000 χ^2/NDF : 5730795652.0/26

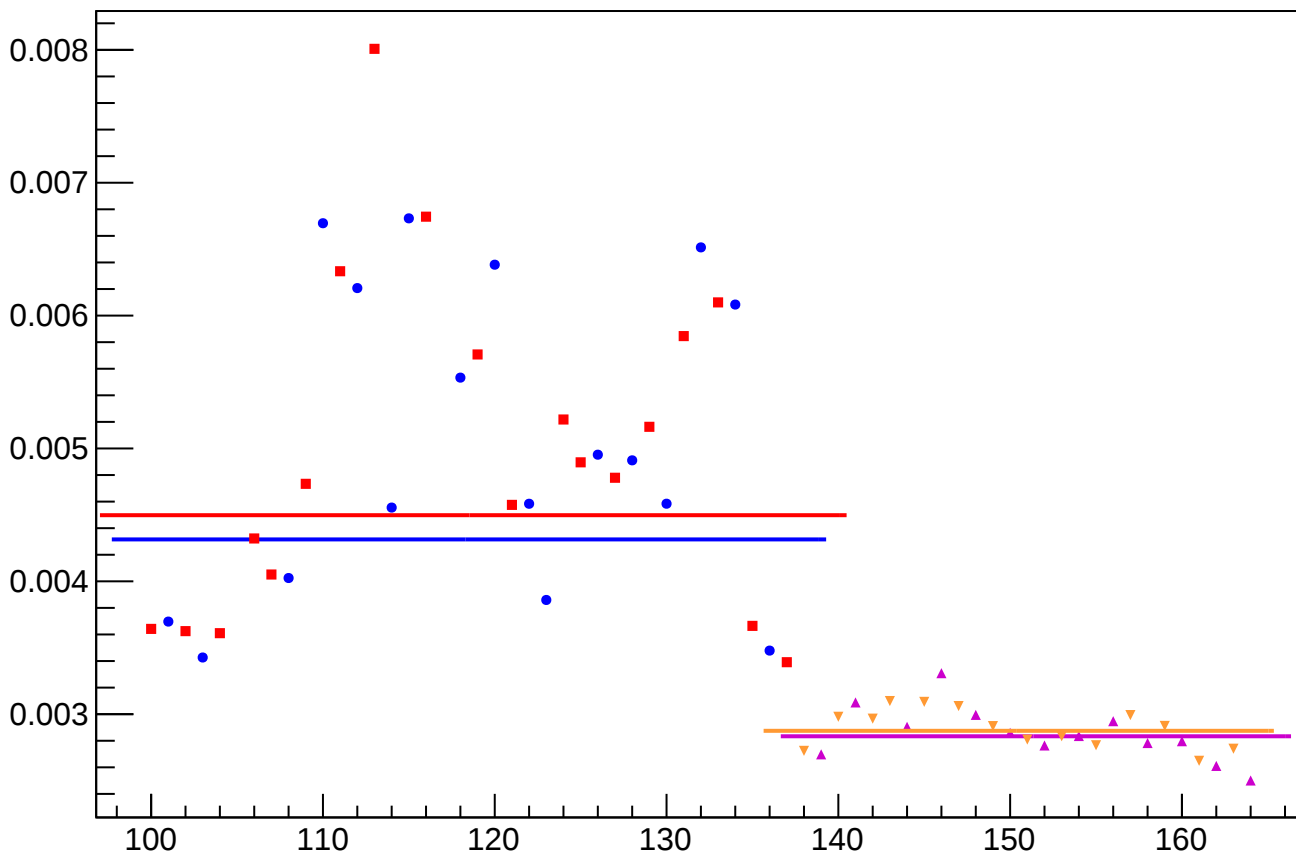
Right: -0.162+/-0.000 χ^2/NDF : 23377980189.6/35

In: -0.265+/-0.000 χ^2/NDF : 19086094962.5/29

Out: -0.262+/-0.000 χ^2/NDF : 17980135444.8/32

All: -0.264+/-0.000 χ^2/NDF : 37072540402.1/65

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 : 84198.0/12

Left: 0.003+/-0.000 χ^2/NDF : 133001.8/26

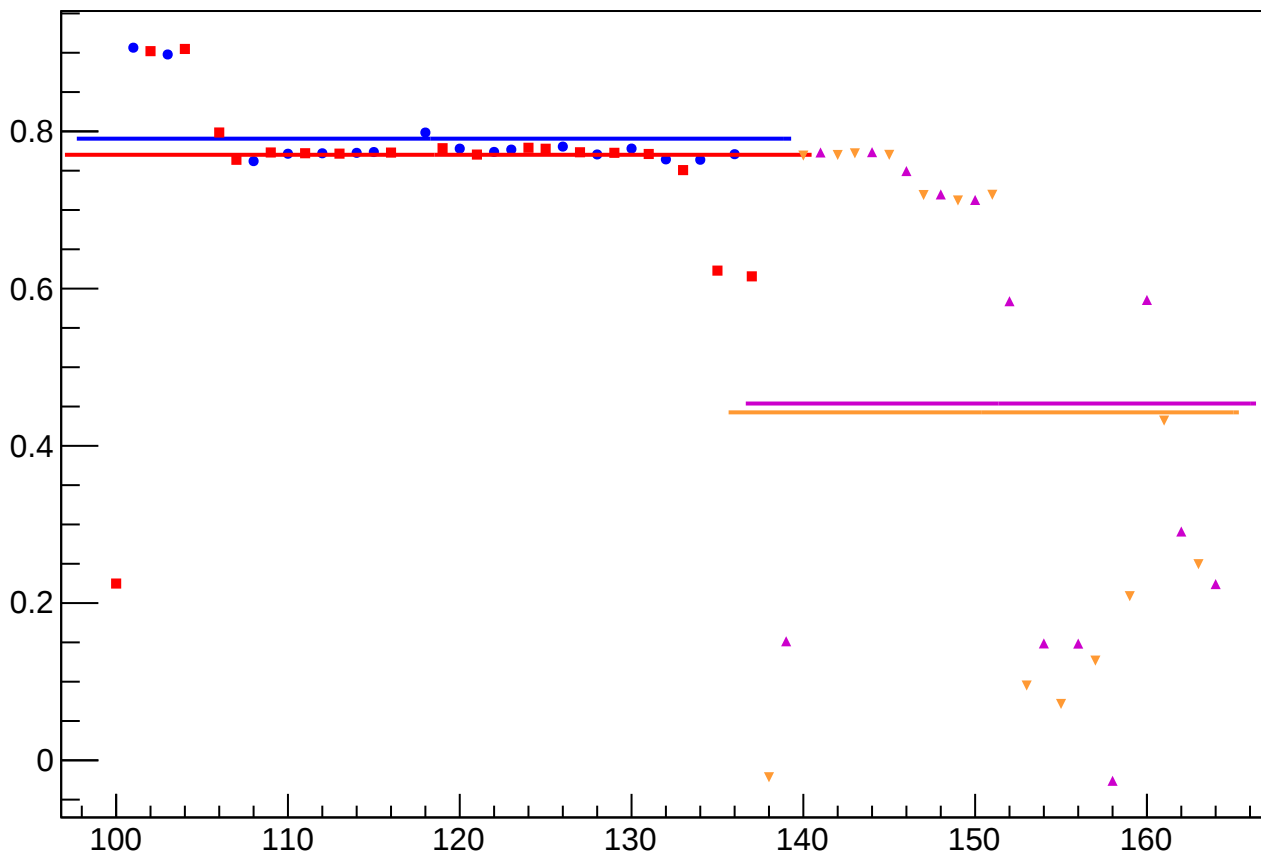
Right: 0.004+/-0.000 χ^2/NDF : 1279743.5/35

In: 0.003+/-0.000 χ^2/NDF : 1794337.9/29

Out: 0.003+/-0.000 χ^2/NDF : 1986680.1/32

All: 0.003+/-0.000 χ^2/NDF : 3788334.4/62

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: 0.454+/-0.000 χ^2/NDF : 6498993842.6/12

Left: 0.448+/-0.000 χ^2/NDF : 13710490693.9/26

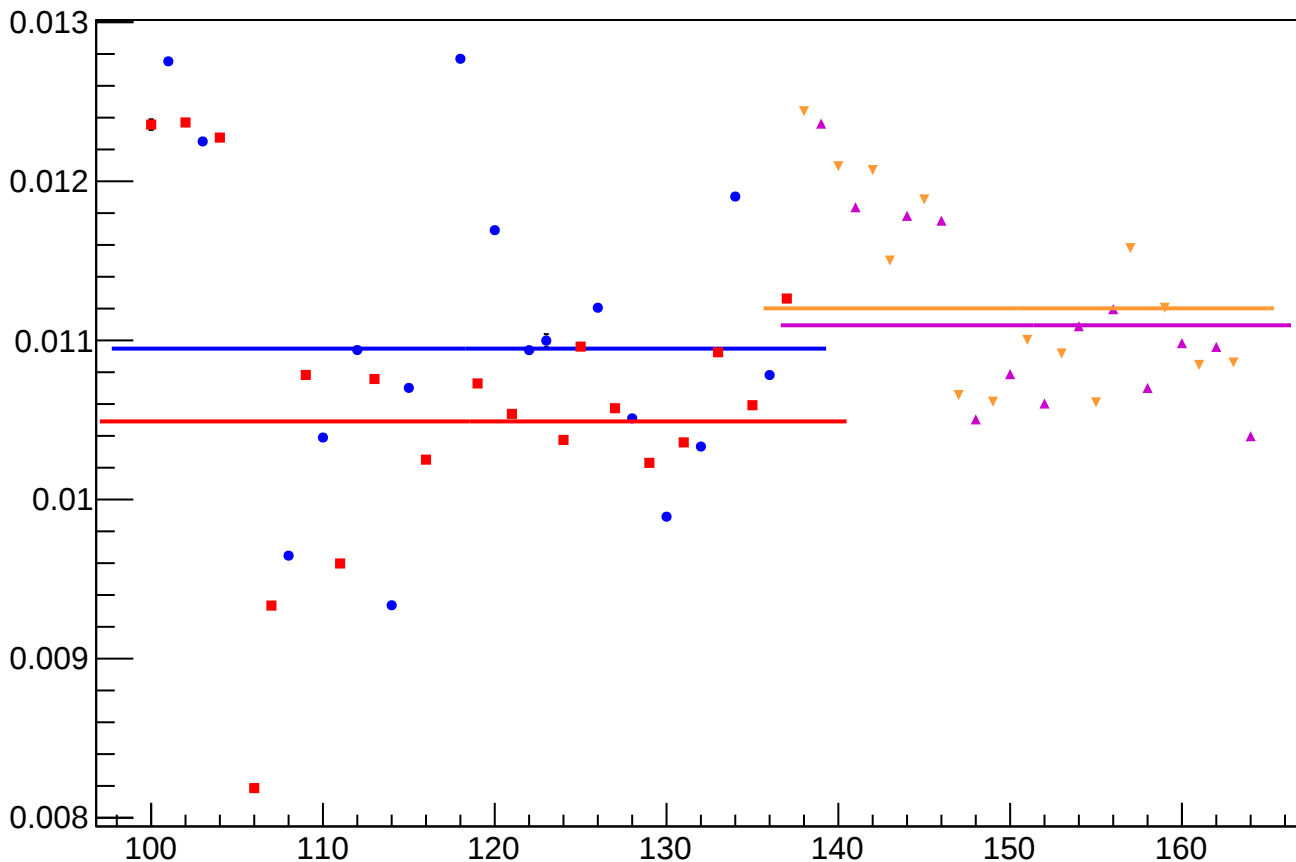
Right: 0.780+/-0.000 χ^2/NDF : 494318002.1/35

In: 0.589+/-0.000 χ^2/NDF : 10254979859.1/29

Out: 0.587+/-0.000 χ^2/NDF : 11352618836.4/32

All: 0.588+/-0.000 χ^2/NDF : 21608063259.9/66

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 : 47968.8/12

Left: 0.011+/-0.000 χ^2/NDF : 99984.5/26

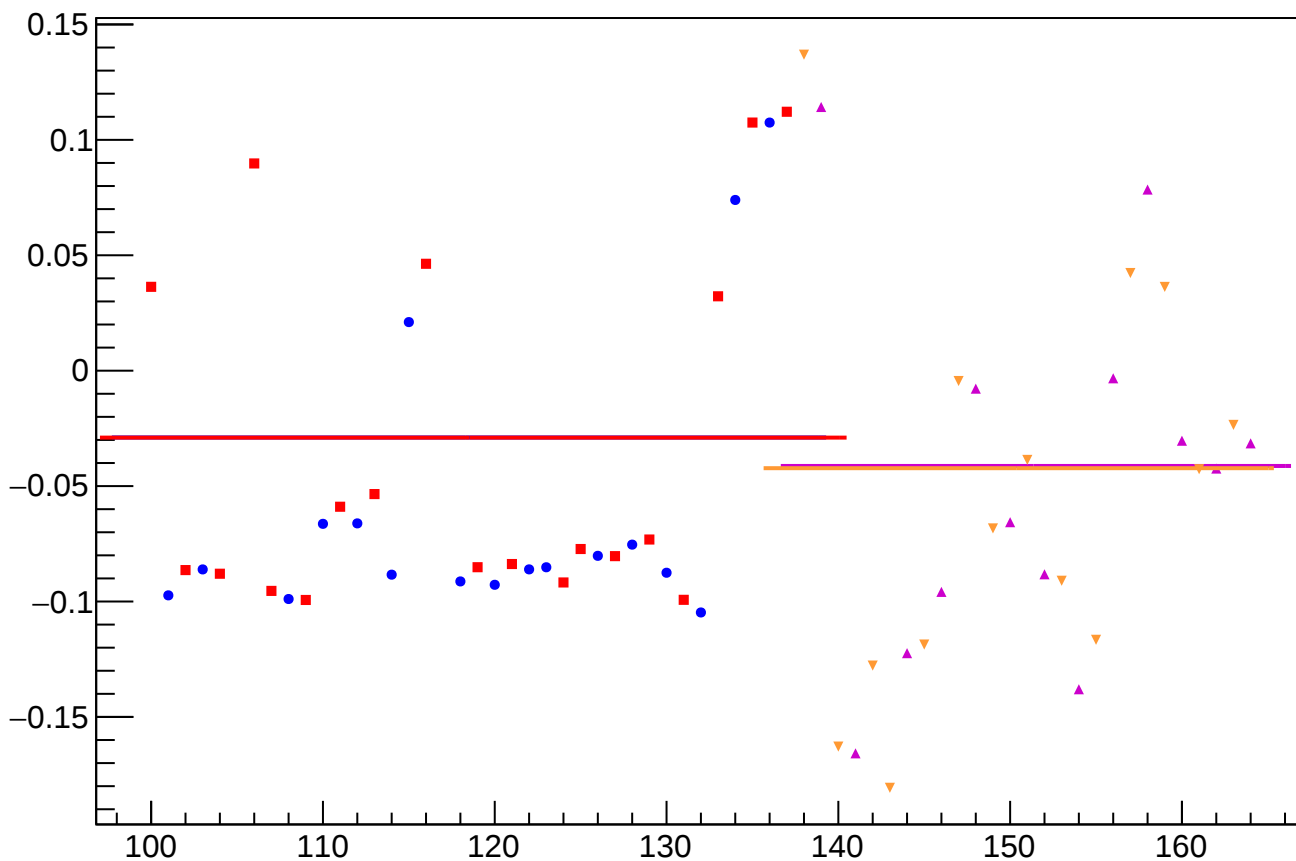
Right: 0.011+/-0.000 χ^2/NDF : 230086.8/35

In: 0.011+/-0.000 χ^2/NDF : 147903.9/29

Out: 0.011+/-0.000 χ^2/NDF : 206017.3/32

All: 0.011+/-0.000 χ^2/NDF : 356903.4/62

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.000

χ^2/NDF : 2445975608.2/16

Left: -0.042+/-0.000

χ^2/NDF : 12464148902.8/26

Left Out: -0.042+/-0.000

χ^2/NDF : 6631494802.4/13

Right: -0.029+/-0.000

χ^2/NDF : 4559325692.9/35

Right Out: -0.029+/-0.000

χ^2/NDF : 2113349669.8/18

In: -0.038+/-0.000

χ^2/NDF : 8313789587.2/29

Out: -0.039+/-0.000

χ^2/NDF : 8784392781.6/32

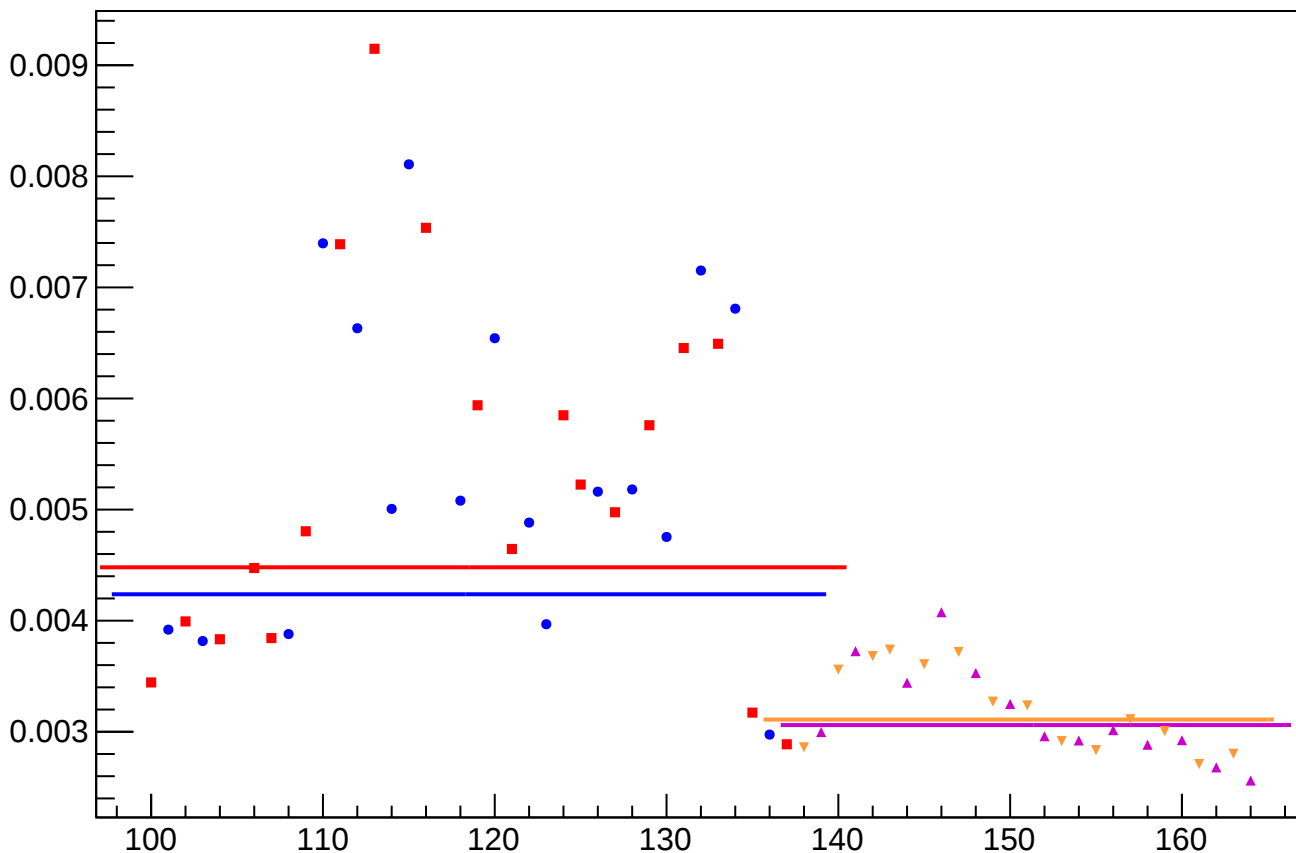
Left In: -0.041+/-0.000

χ^2/NDF : 5832184242.8/12

All: -0.039+/-0.000

χ^2/NDF : 17098624977.1/100

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 :271385.7/12

Left: 0.003+/-0.000 χ^2/NDF : 501319.4/26

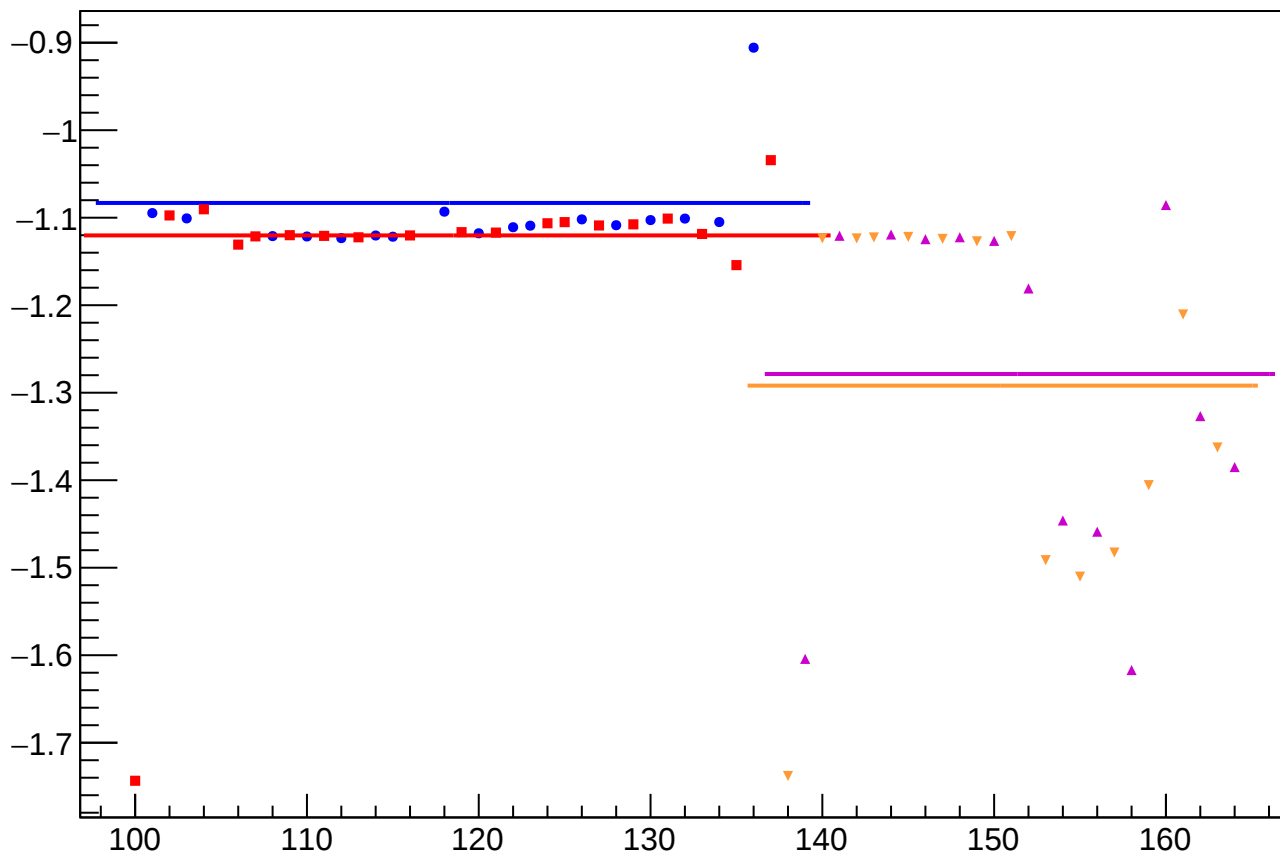
Right: 0.004+/-0.000 χ^2/NDF : 1883305.7/35

In: 0.003+/-0.000 χ^2/NDF :1801972.1/29

Out: 0.003+/-0.000 χ^2/NDF :2057946.0/32

All: 0.003+/-0.000 χ^2/NDF : 3869773.2/62

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: -1.279+/-0.000 χ^2/NDF : 3432530802.1/12

Left: -1.285+/-0.000 χ^2/NDF : 7033282525.2/26

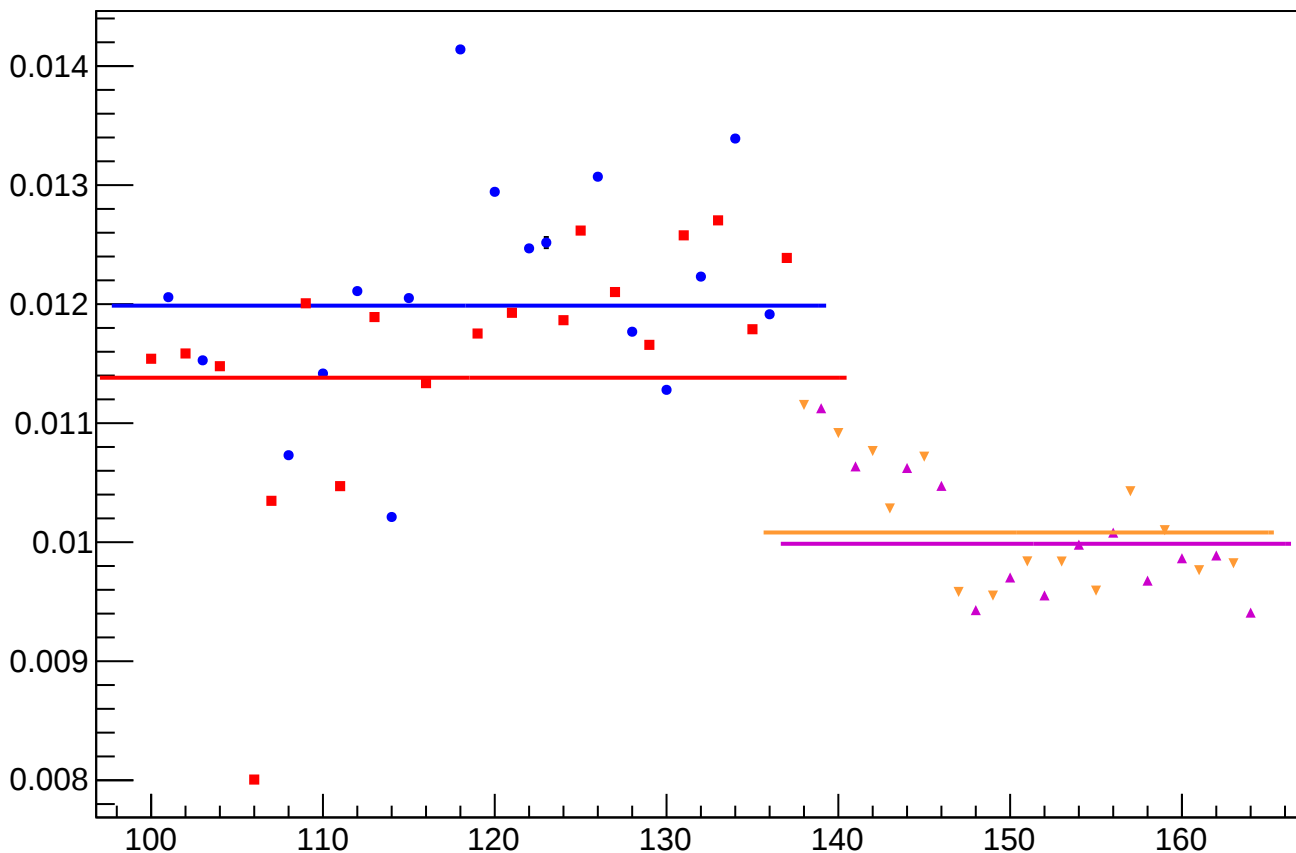
Right: -1.103+/-0.000 χ^2/NDF : 456854707.0/35

In: -1.218+/-0.000 χ^2/NDF : 4814944493.2/29

Out: -1.232+/-0.000 χ^2/NDF : 4828493407.2/32

All: -1.225+/-0.000 χ^2/NDF : 9658714212.7/6

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:45808.2/12

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 96171.4/26

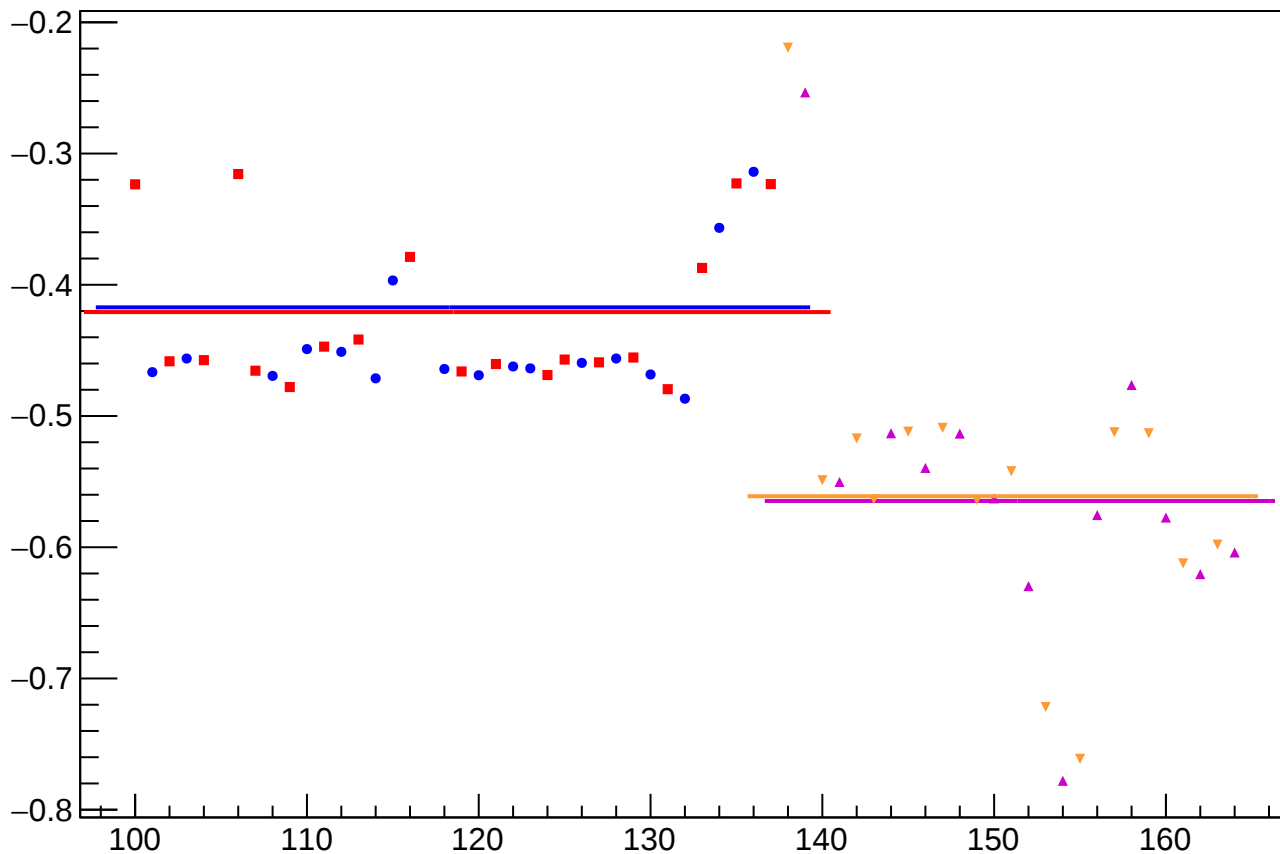
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 232714.9/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:353294.7/29

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:320546.3/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 674675.9/62

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: -0.565+/-0.000 χ^2/NDF : 10405294123.6/12

Left: -0.563+/-0.000 χ^2/NDF : 23371526076.1/26

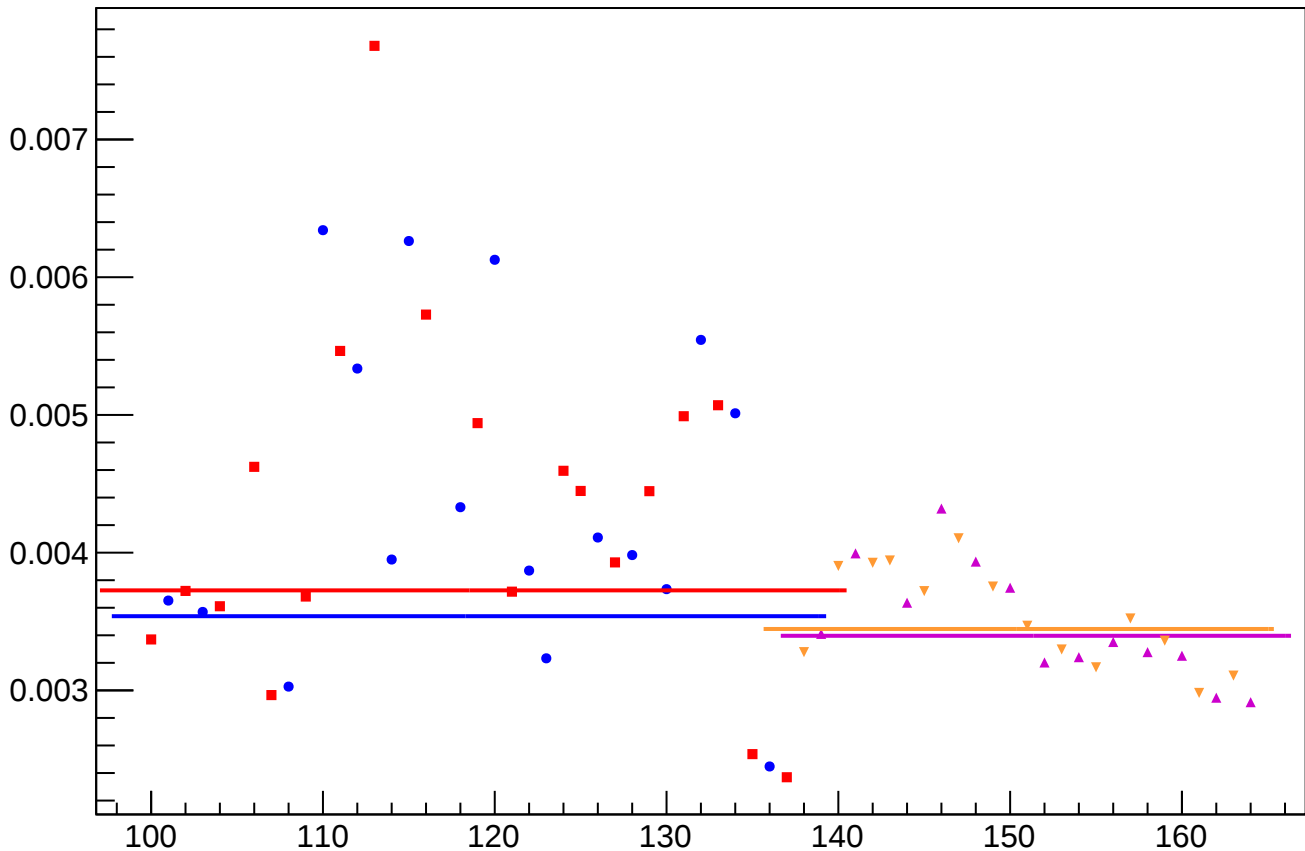
Right: -0.419+/-0.000 χ^2/NDF : 3688293301.3/35

In: -0.514+/-0.000 χ^2/NDF : 18627344676.8/29

Out: -0.513+/-0.000 χ^2/NDF : 20070283939.8/32

All: -0.513+/-0.000 χ^2/NDF : 38697820809.1/70

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:223628.1/12

Left: 0.003 $\pm$ 0.000 χ^2 /NDF: 403327.6/26

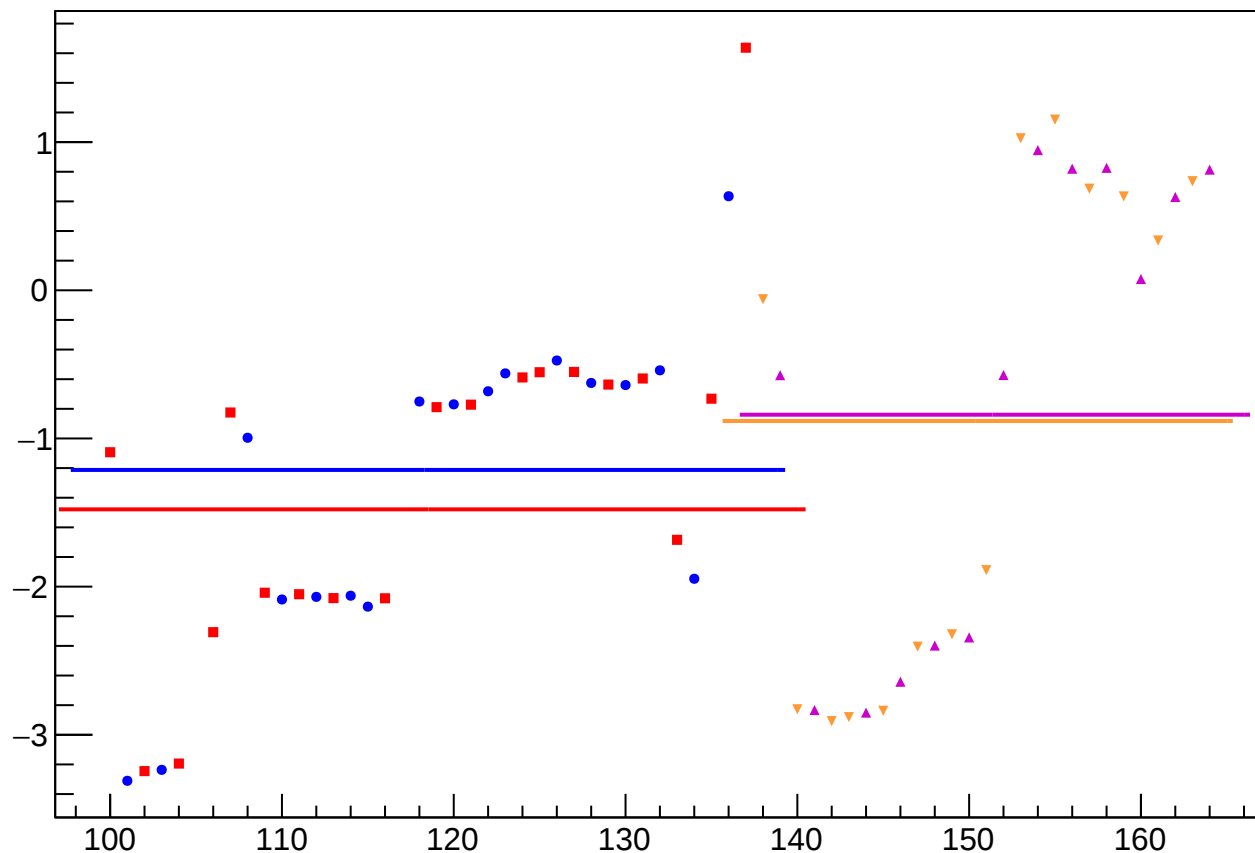
Right: 0.004 $\pm$ 0.000 χ^2 /NDF: 1749655.8/35

In: 0.003 $\pm$ 0.000 χ^2 /NDF:1071272.5/29

Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1119755.0/32

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2202519.3/62

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.212+/-0.000

χ²/NDF: 1992853443.9/16

Left: -0.861+/-0.000

χ²/NDF: 9024219630.0/26

Left Out: -0.882+/-0.000

χ²/NDF: 4822558074.0/13

Right: -1.347+/-0.000

χ²/NDF: 3617796481.7/35

Right Out: -1.478+/-0.000

χ²/NDF: 1578264383.8/18

In: -0.998+/-0.000

χ²/NDF: 6297062623.2/29

Out: -1.136+/-0.000

χ²/NDF: 6673472627.3/32

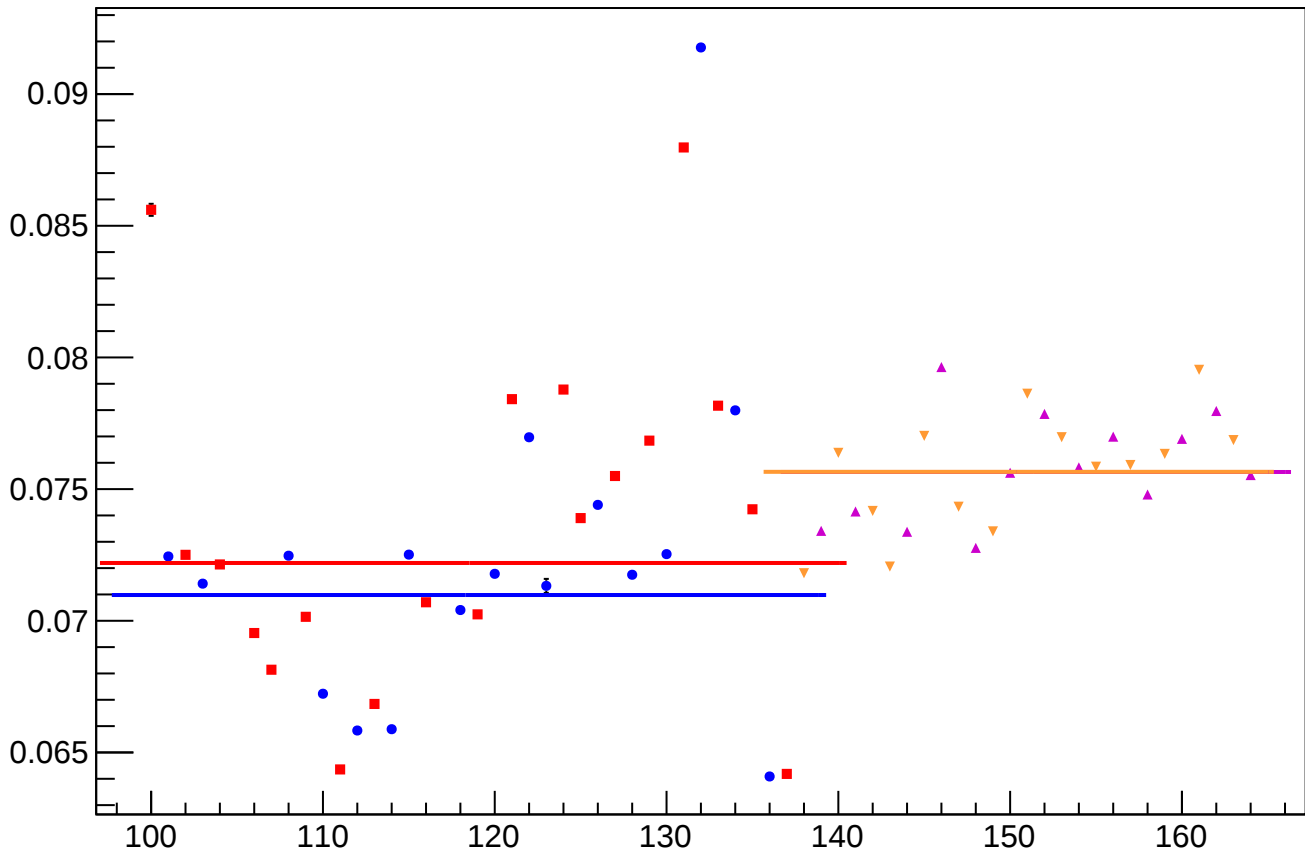
Left In: -0.840+/-0.000

χ²/NDF: 4200057566.3/12

All: -1.068+/-0.000

χ²/NDF: 12999912517.9/32

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 :13449.1/12

Left: 0.076+/-0.000 χ^2/NDF : 30713.5/26

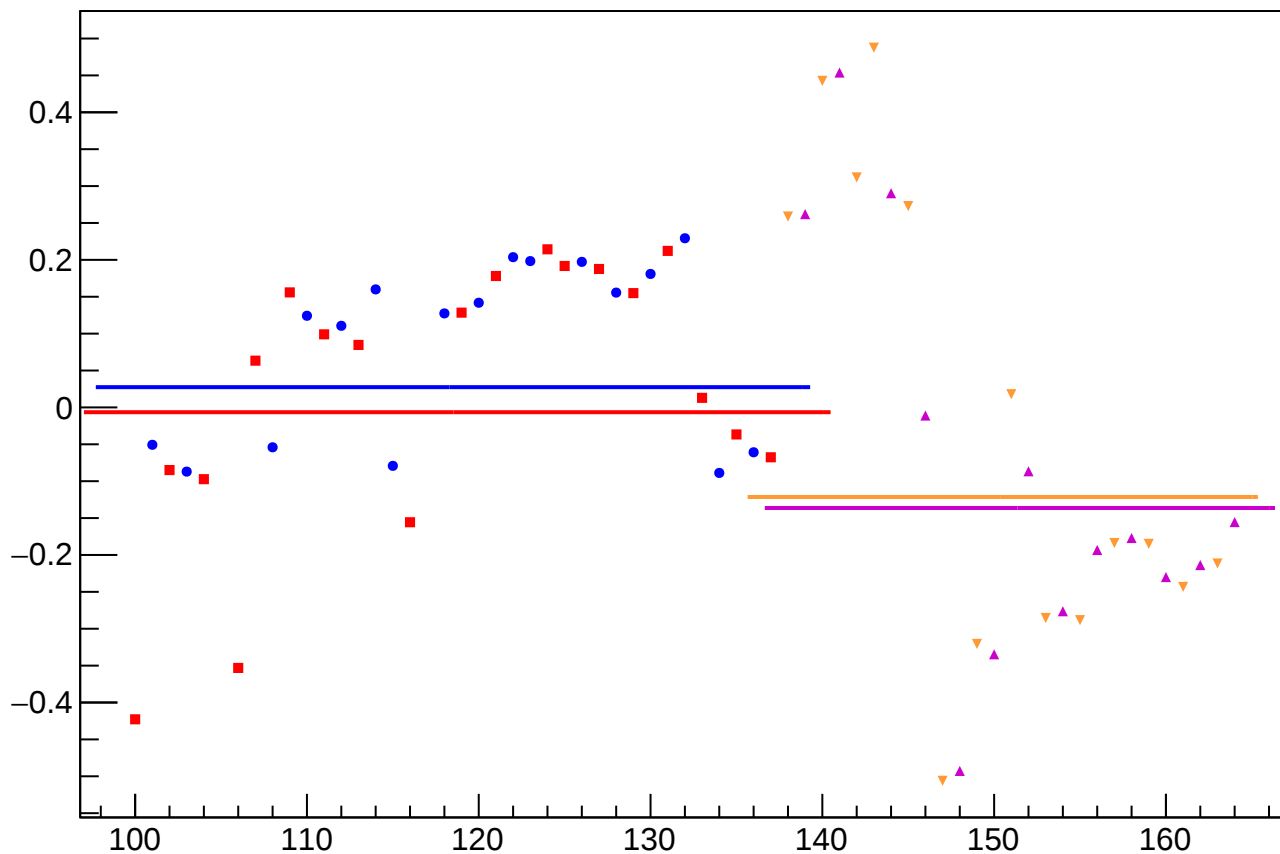
Right: 0.072+/-0.000 χ^2/NDF : 152771.2/35

In: 0.074+/-0.000 χ^2/NDF :123752.6/29

Out: 0.074+/-0.000 χ^2/NDF :108864.8/32

All: 0.074+/-0.000 χ^2/NDF : 233457.6/62

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: -0.136+/-0.000 χ^2/NDF : 10204014022.9/12

Left: -0.129+/-0.000 χ^2/NDF : 23906607641.5/26

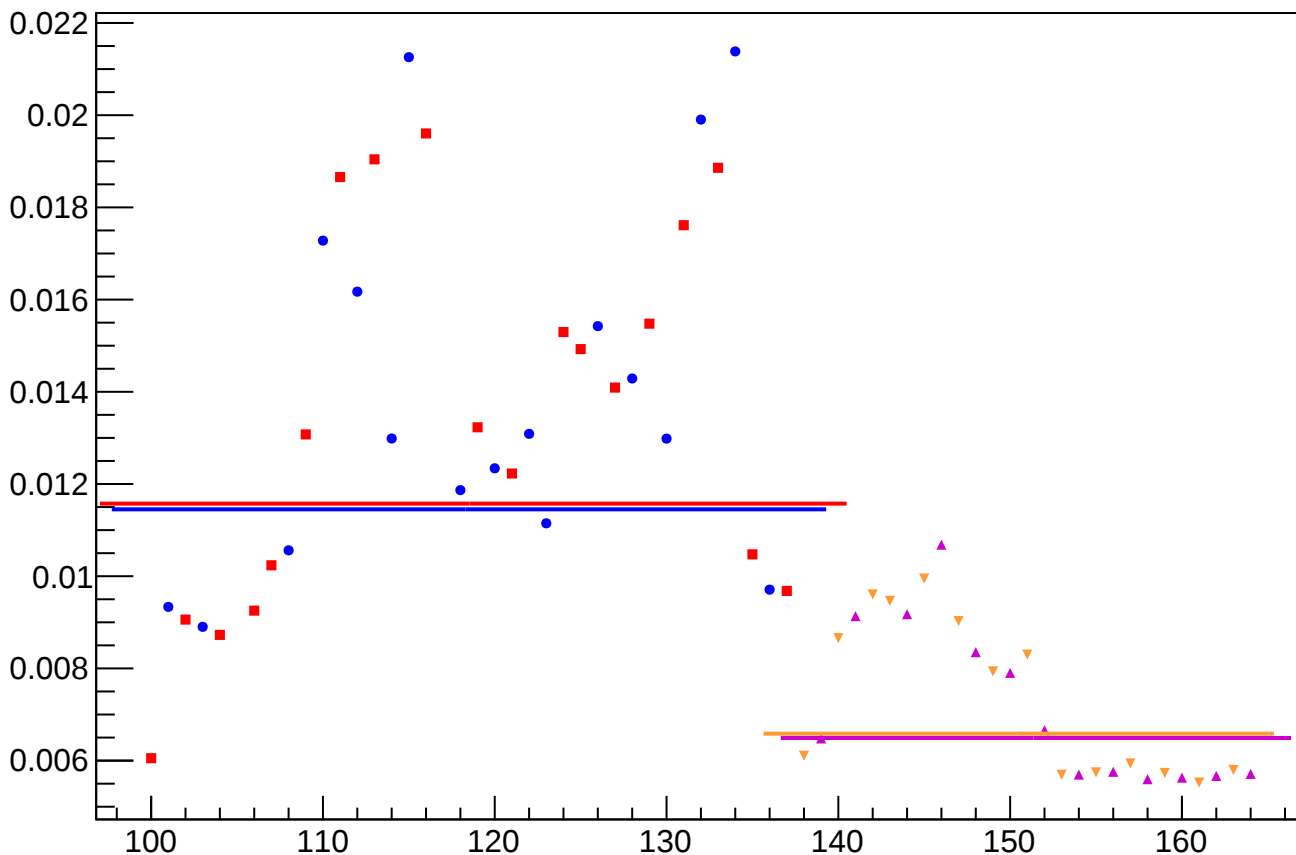
Right: 0.010+/-0.000 χ^2/NDF : 1787030042.0/35

In: -0.109+/-0.000 χ^2/NDF : 11747387313.3/29

Out: -0.102+/-0.000 χ^2/NDF : 15363004576.9/32

All: -0.106+/-0.000 χ^2/NDF : 27117341132.1/64

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :843802.3/13

Right Out: 0.012+/-0.000 χ^2/NDF : 997161.1/18

Left In: 0.006+/-0.000 χ^2/NDF :777967.6/12

Left: 0.007+/-0.000 χ^2/NDF : 1623715.9/26

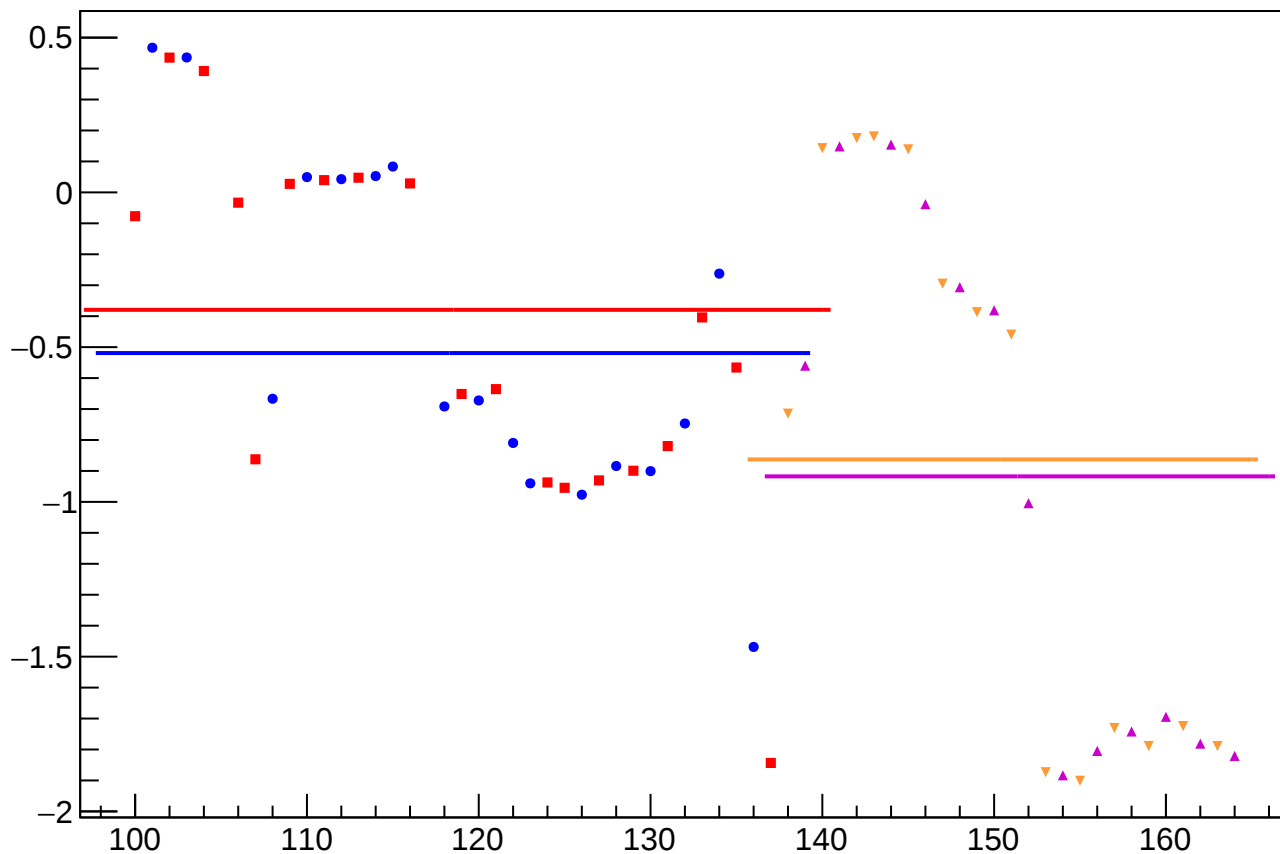
Right: 0.012+/-0.000 χ^2/NDF : 1677468.5/35

In: 0.007+/-0.000 χ^2/NDF :3256918.8/29

Out: 0.007+/-0.000 χ^2/NDF :3672238.9/32

All: 0.007+/-0.000 χ^2/NDF : 6932866.8/62

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: -0.918 ± 0.000 χ^2/NDF : 855517538.9/12

Left: -0.890 ± 0.000 χ^2/NDF : 1809748012.4/26

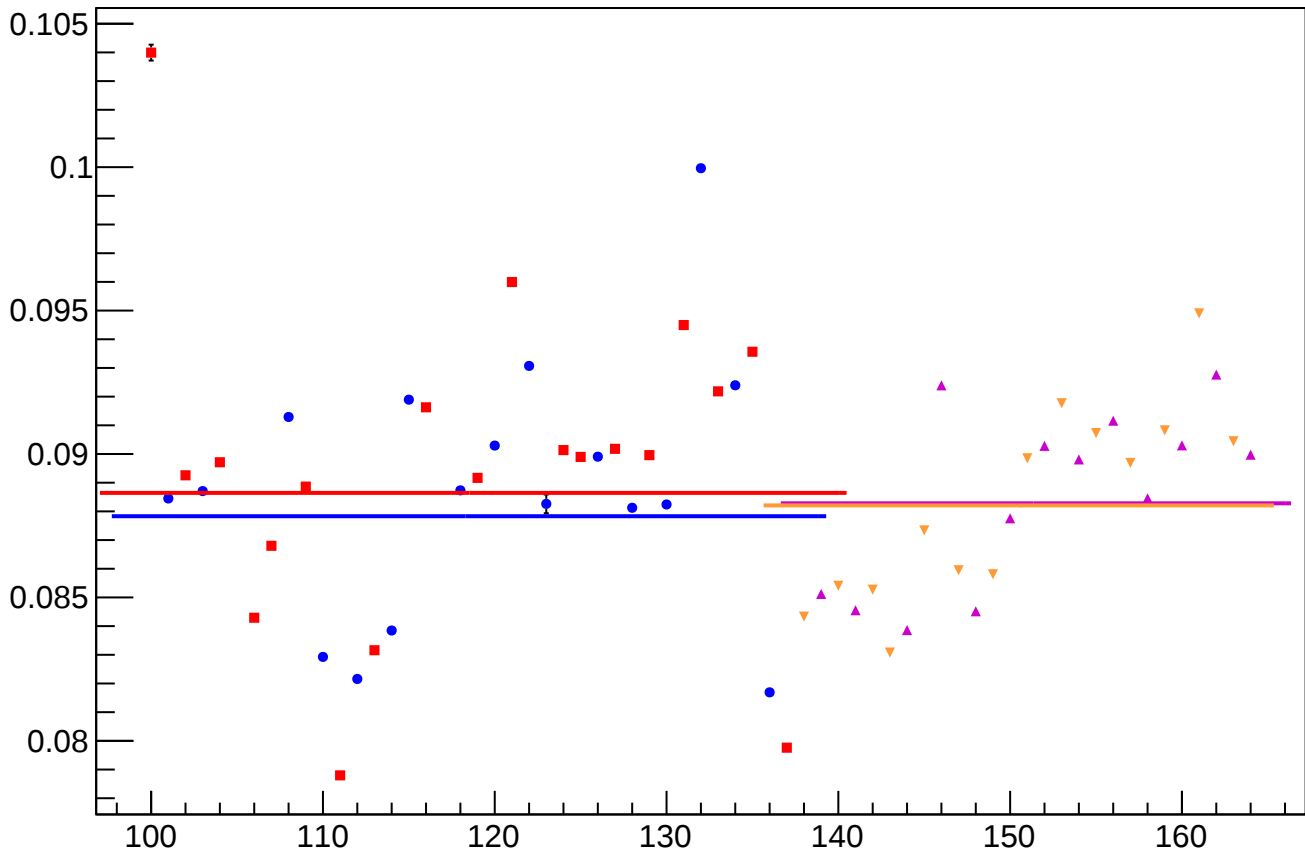
Right: -0.448 ± 0.000 χ^2/NDF : 616632603.2/35

In: -0.759 ± 0.000 χ^2/NDF : 1277695009.4/29

Out: -0.668 ± 0.000 χ^2/NDF : 1347006263.3/32

All: -0.713 ± 0.000 χ^2/NDF : 2633736803.0/6

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 : 23833.9/12

Left: 0.088+/-0.000 χ^2/NDF : 51829.4/26

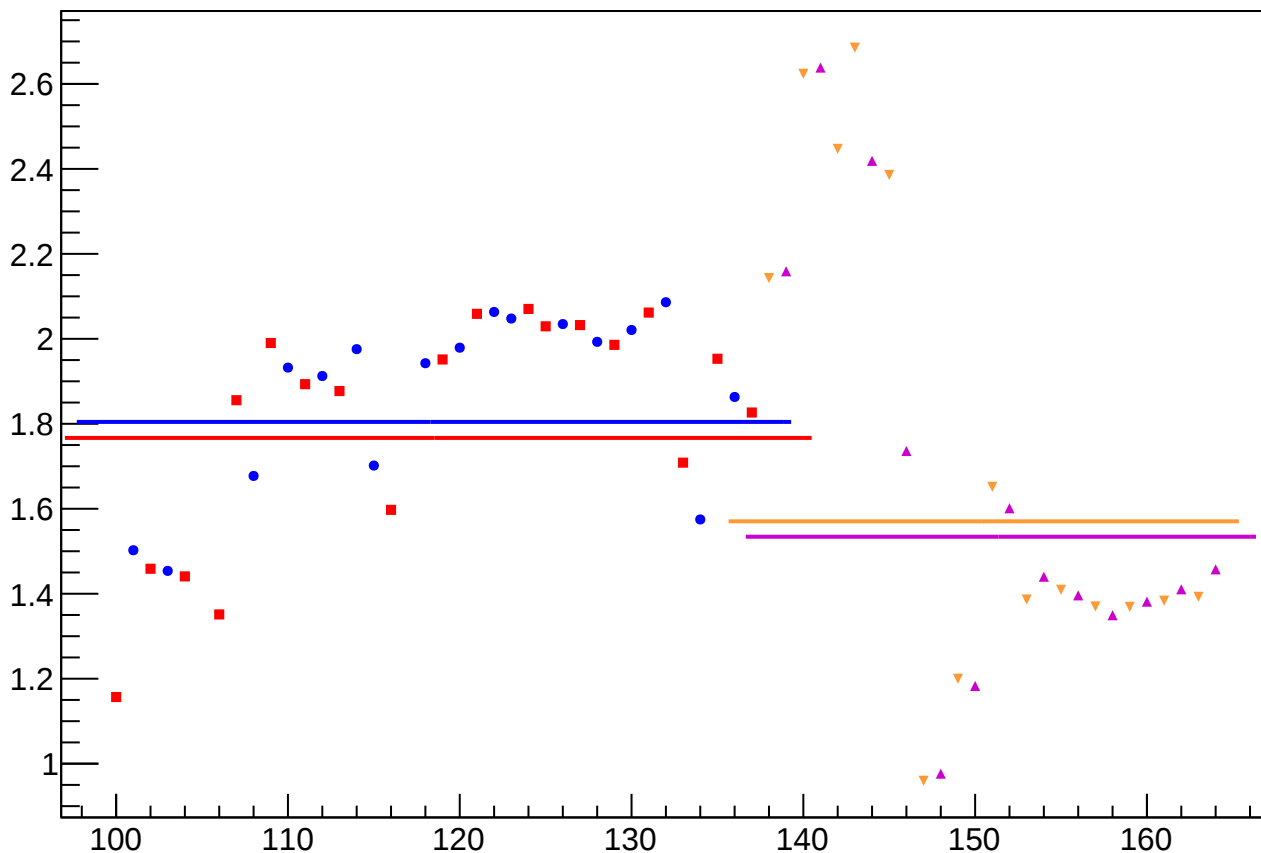
Right: 0.088+/-0.000 χ^2/NDF : 75262.5/35

In: 0.088+/-0.000 χ^2/NDF : 58999.2/29

Out: 0.088+/-0.000 χ^2/NDF : 67917.3/32

All: 0.088+/-0.000 χ^2/NDF : 127091.9/62

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.570 $\pm$ 0.000 χ^2 /NDF: 23022528379.3/13

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

Left In: 1.534 $\pm$ 0.000 χ^2 /NDF: 17869355457.0/12

Left: 1.552 $\pm$ 0.000 χ^2 /NDF: 40972240560.7/26

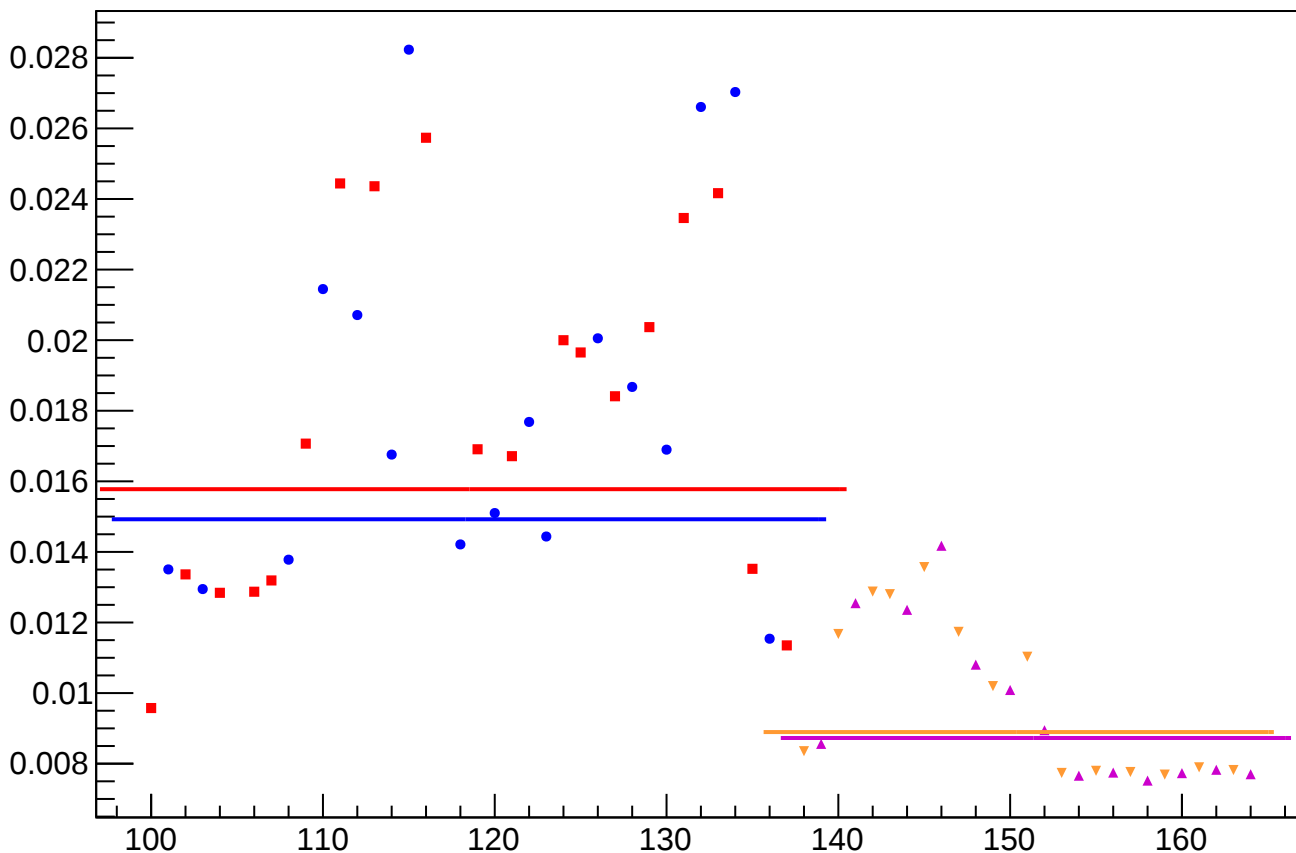
Right: 1.786 $\pm$ 0.000 χ^2 /NDF: 2883751688.5/35

In: 1.581 $\pm$ 0.000 χ^2 /NDF: 20586813485.6/29

Out: 1.603 $\pm$ 0.000 χ^2 /NDF: 25510029036.7/32

All: 1.592 $\pm$ 0.000 χ^2 /NDF: 46133803979.7/6

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 : 723910.4/12

Left: 0.009+/-0.000 χ^2/NDF : 1510053.3/26

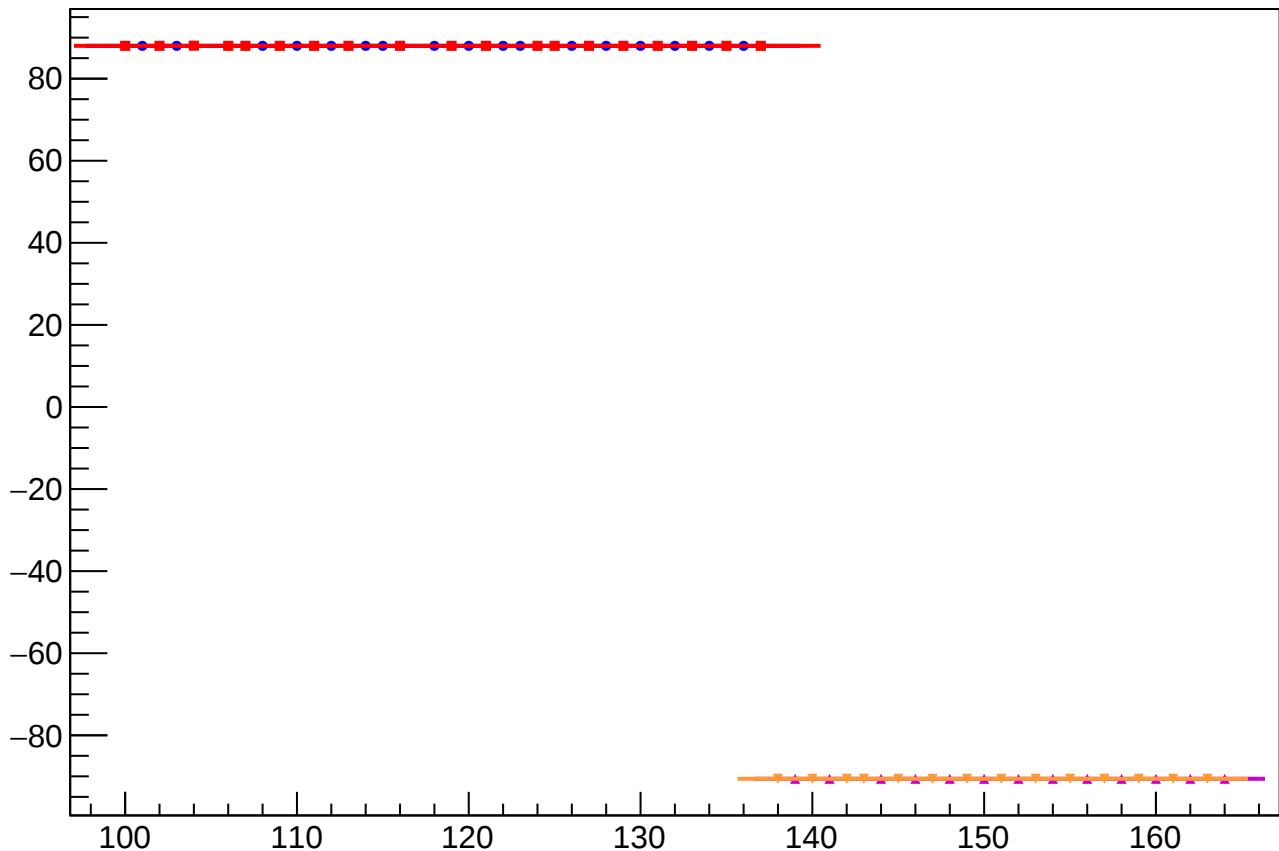
Right: 0.015+/-0.000 χ^2/NDF : 1447935.5/35

In: 0.010+/-0.000 χ^2/NDF : 3008793.0/29

Out: 0.010+/-0.000 χ^2/NDF : 3480887.6/32

All: 0.010+/-0.000 χ^2/NDF : 6498751.1/62

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:2934916.0/12

Left: -90.599+/-0.000 χ^2 /NDF: 7715438.3/26

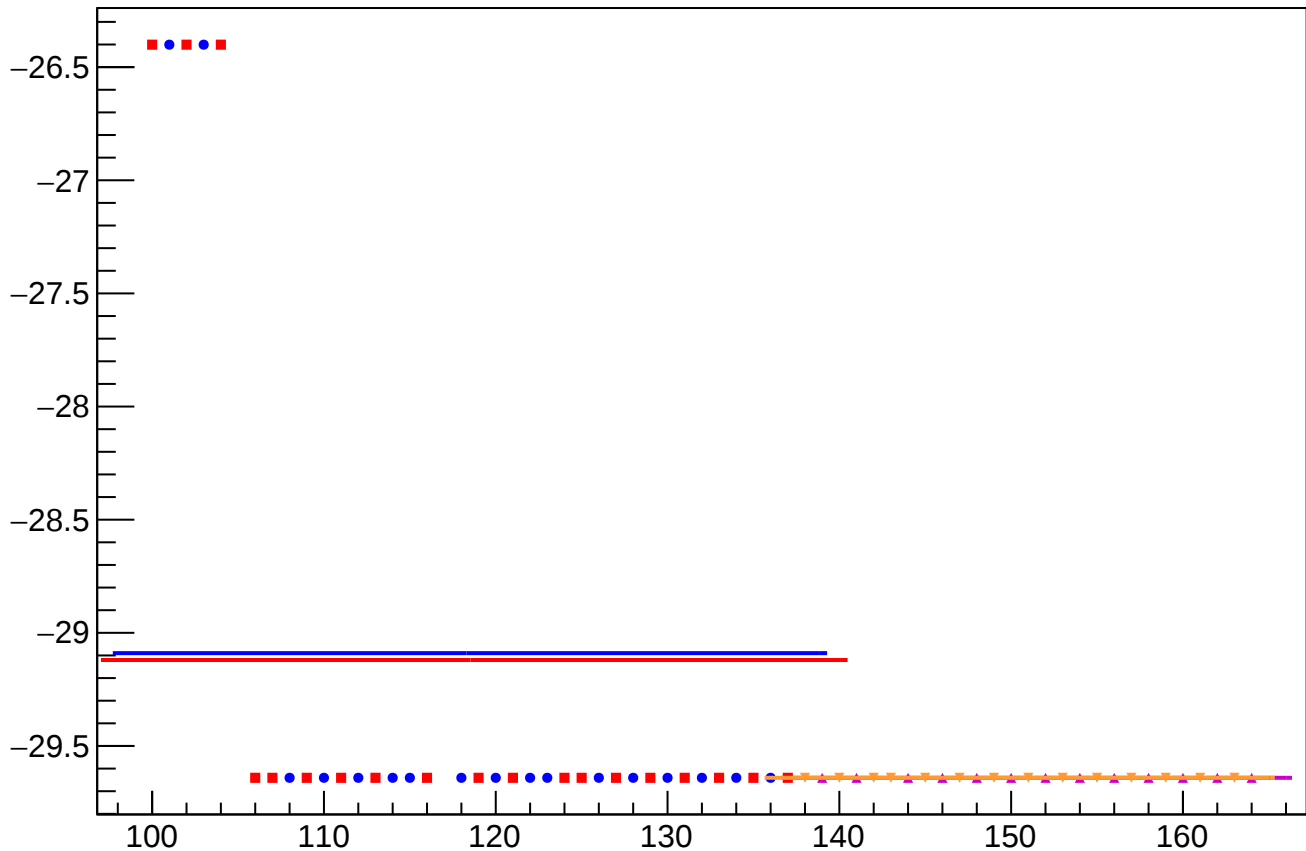
Right: 88.002+/-0.000 χ^2 /NDF: 8043459440319720

In: -19.973+/-0.000 χ^2 /NDF:13383220785549838

Out: -19.277+/-0.000 χ^2 /NDF:1383392457176065

All: -19.620+/-0.000 χ^2 /NDF: 272175776635

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 : 88301.9/12

In: -29.423+/-0.000

χ^2/NDF : 11554298584615279

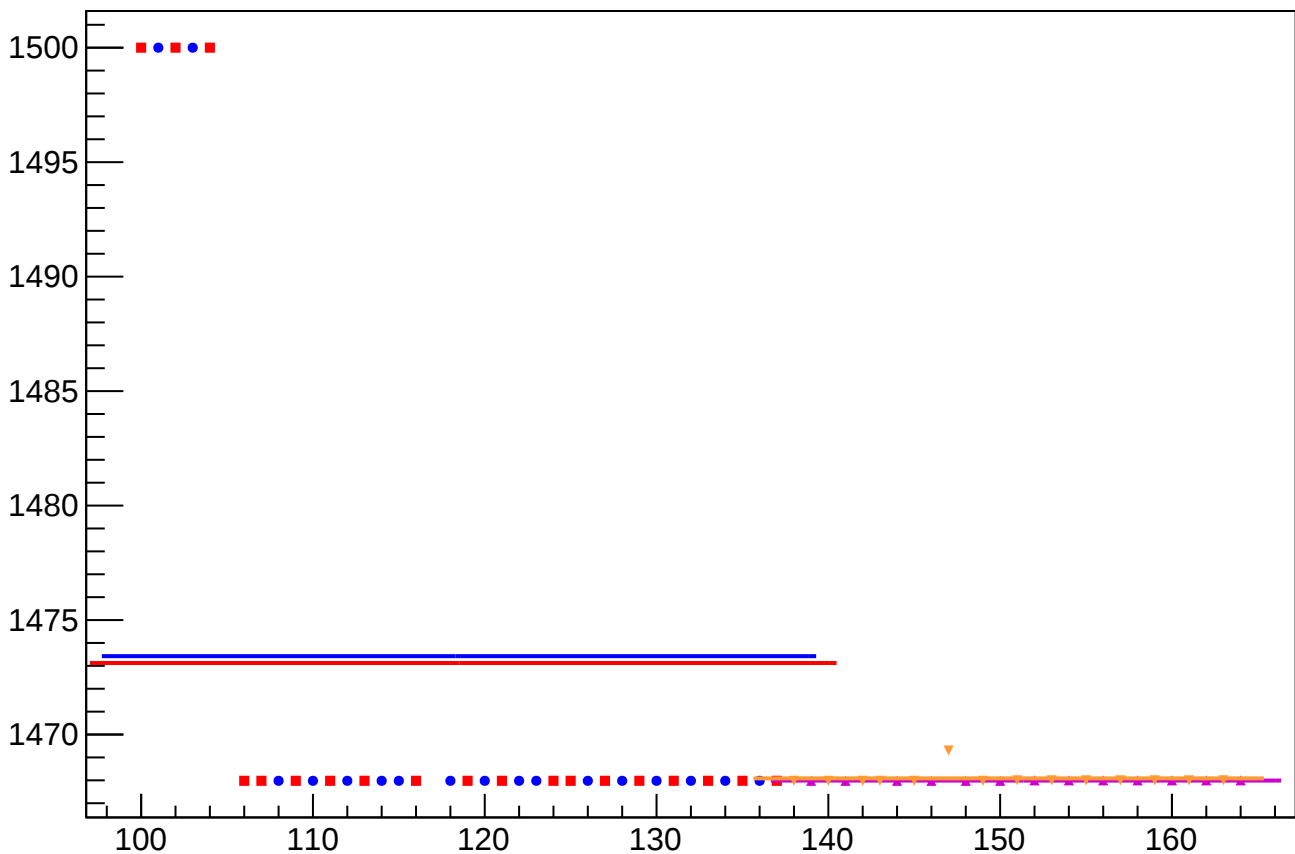
Out: -29.433+/-0.000

χ^2/NDF : 1139593444247767

All: -29.428+/-0.000

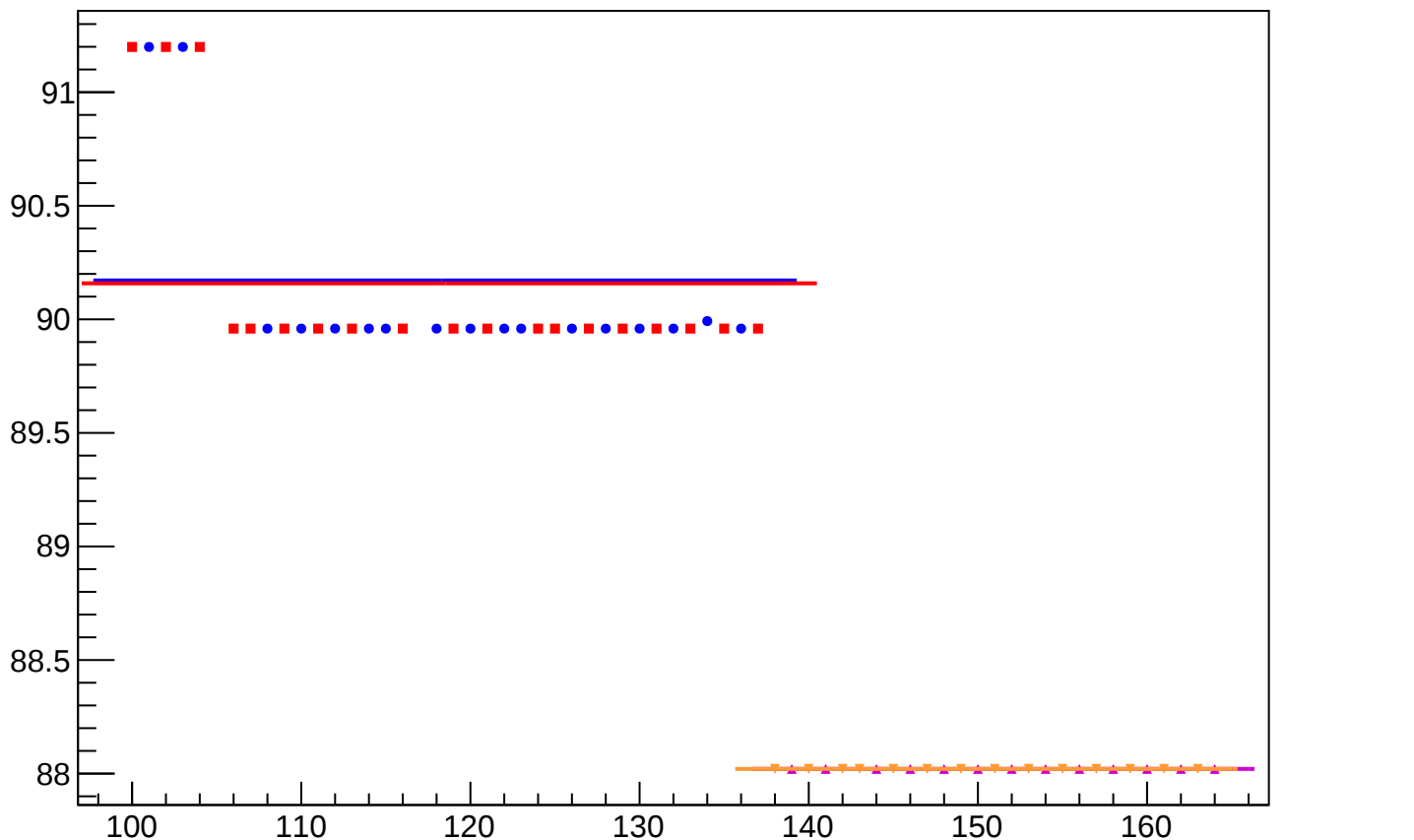
χ^2/NDF : 229511182531

epics_psub_pl_pos_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: 1467.990+/-0.000 χ^2/NDF : 105771913263444913089585086464.0/12
 All: 1470.118+/-0.000 χ^2/NDF : 22378239198

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 : 6428017.3/26

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: 88.871+/-0.000

χ^2/NDF : 209052433567956558

Out: 88.874+/-0.000

χ^2/NDF : 21317346332399940

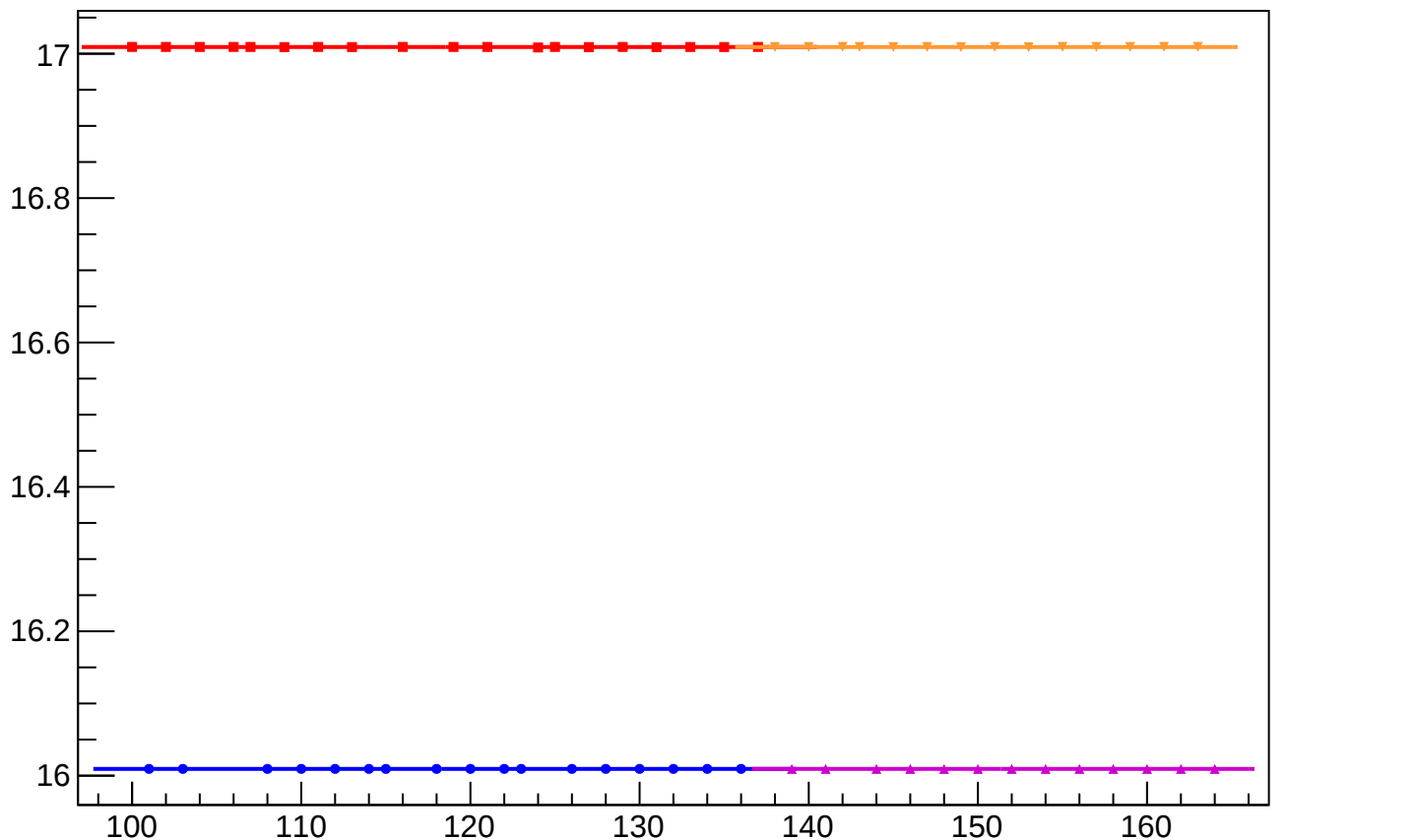
Left In: 88.021+/-0.000

χ^2/NDF : 3025792.8/12

All: 88.873+/-0.000

χ^2/NDF : 4222268897987

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: 48808.4/12

Left: 16.509 $\pm$ 0.000 χ^2 /NDF: 49187125840250953

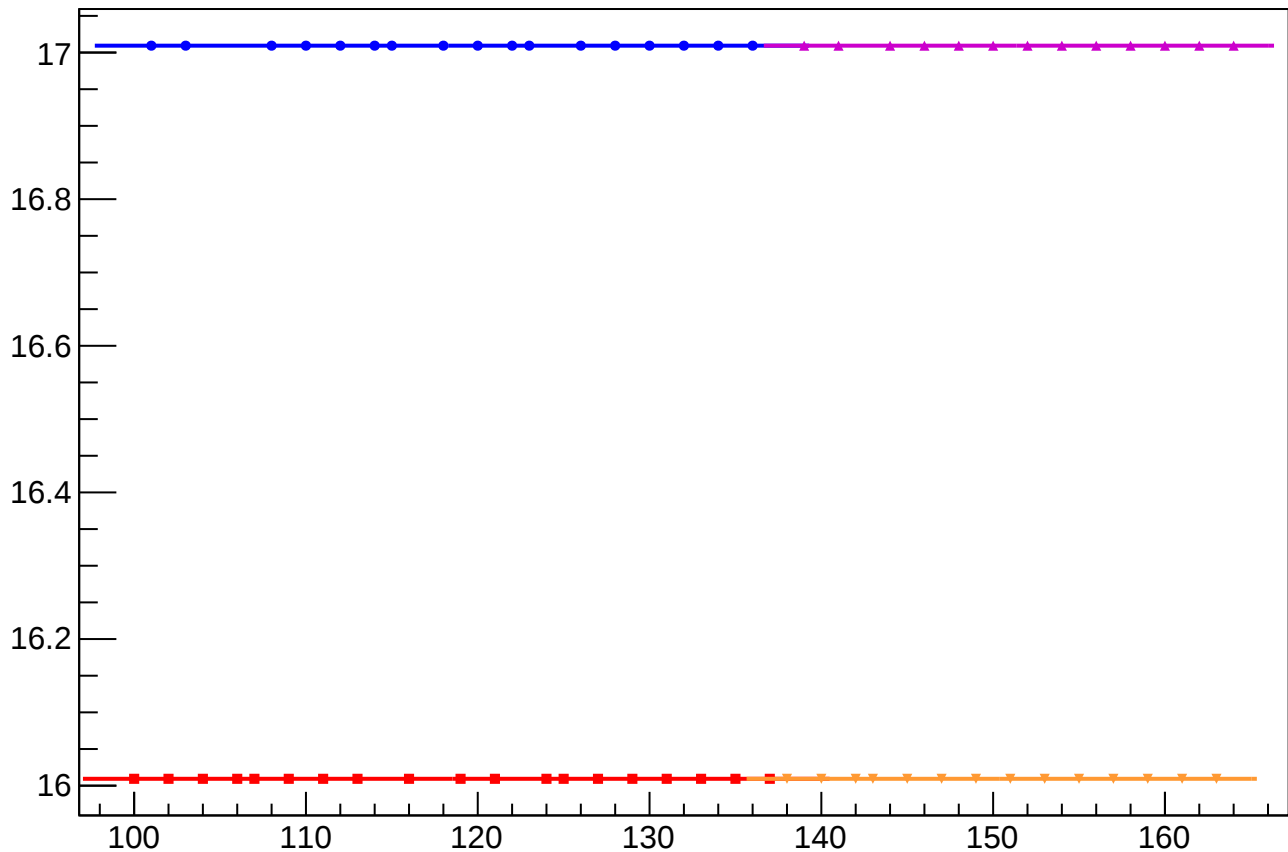
Right: 16.506 $\pm$ 0.000 χ^2 /NDF: 3289281212306816

In: 16.009 $\pm$ 0.000 χ^2 /NDF: 188481.0/29

Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26512914964555761

All: 16.508 $\pm$ 0.000 χ^2 /NDF: 8208043536660

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 : 35404.1/12

Left: 16.501+/-0.000 χ^2/NDF : 52958848513446968

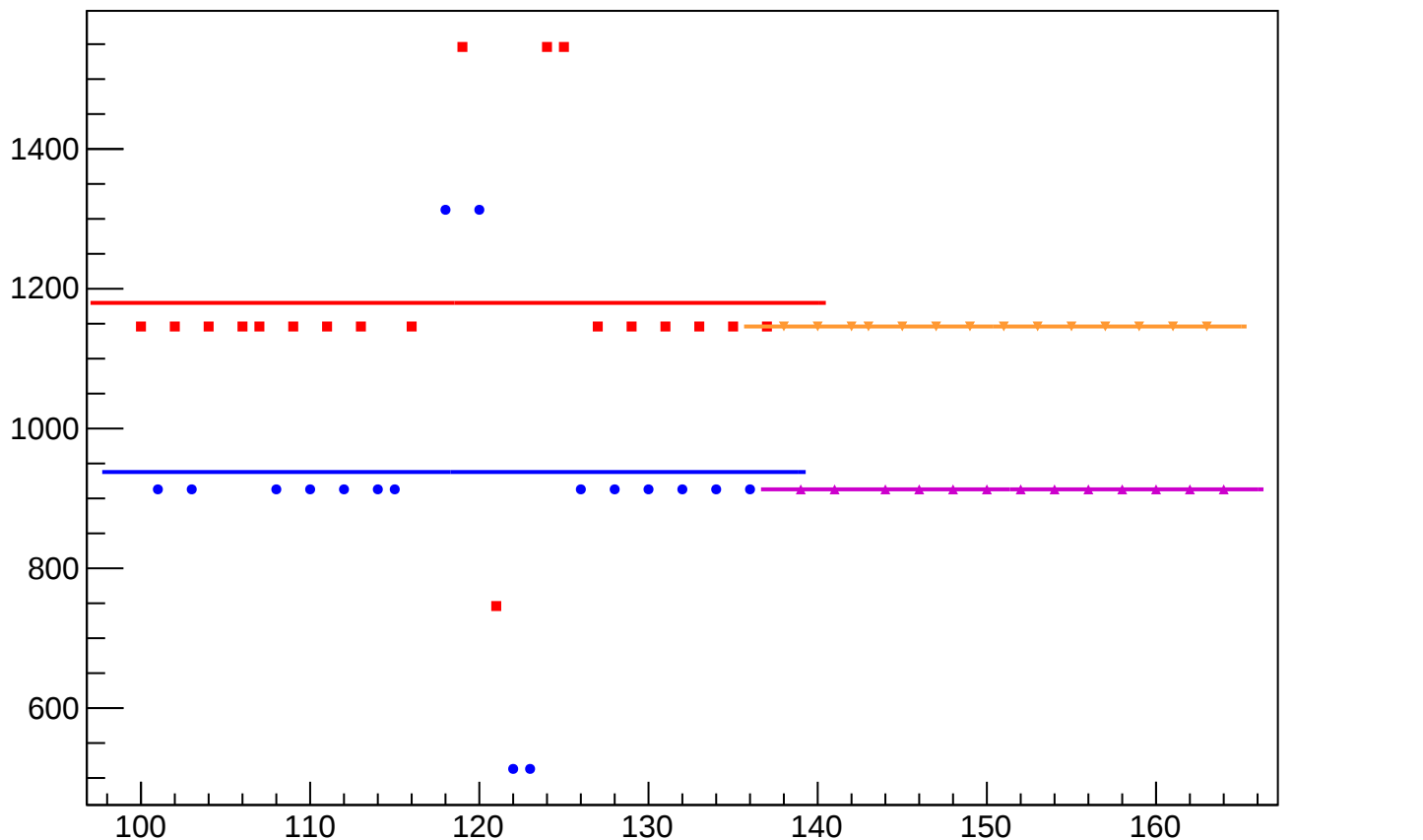
Right: 16.490+/-0.000 χ^2/NDF : 3437400145243126

In: 17.009+/-0.000 χ^2/NDF : 319028.0/29

Out: 16.009+/-0.000 χ^2/NDF : 275179.9/32

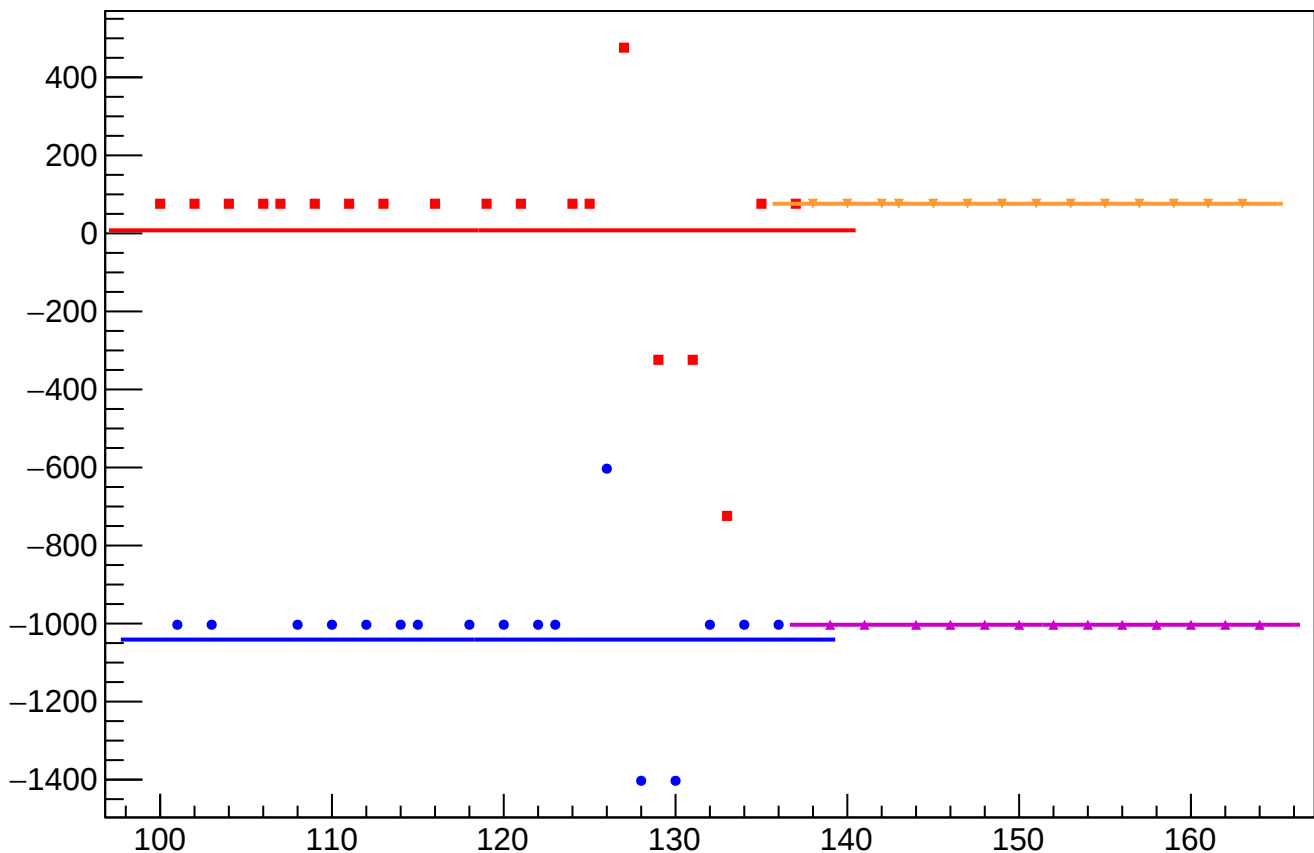
All: 16.497+/-0.000 χ^2/NDF : 8734207665903

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



Left: 1030.860 +/- 0.000 χ^2/NDF : 29139788603468
 Right: 1061.185 +/- 0.000 χ^2/NDF : 62999129654777
 In: 922.796 +/- 0.000 χ^2/NDF : 2111277379330523
 Out: 1159.506 +/- 0.000 χ^2/NDF : 219113868963029
 All: 1042.911 +/- 0.000 χ^2/NDF : 92923601607

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: -1002.990+/-0.000 χ^2/NDF : 1387058346642824405245231104.0/12
 All: -476.682+/-0.000 χ^2/NDF : 10827053020