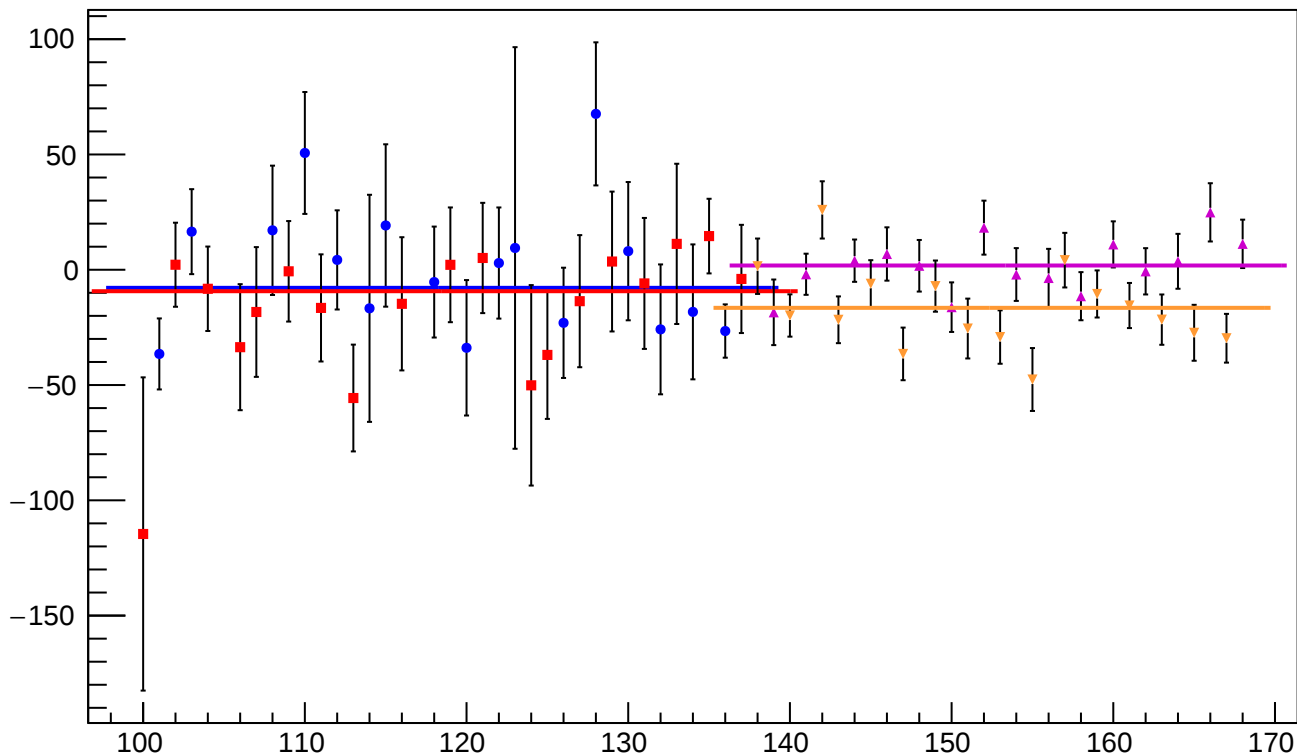


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -16.519 ± 2.769

χ^2/NDF : 32.0/15

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: 1.842 ± 2.815

χ^2/NDF : 14.2/14

+ sign -14.819 ± 2.483

χ^2/NDF : 56.6/32

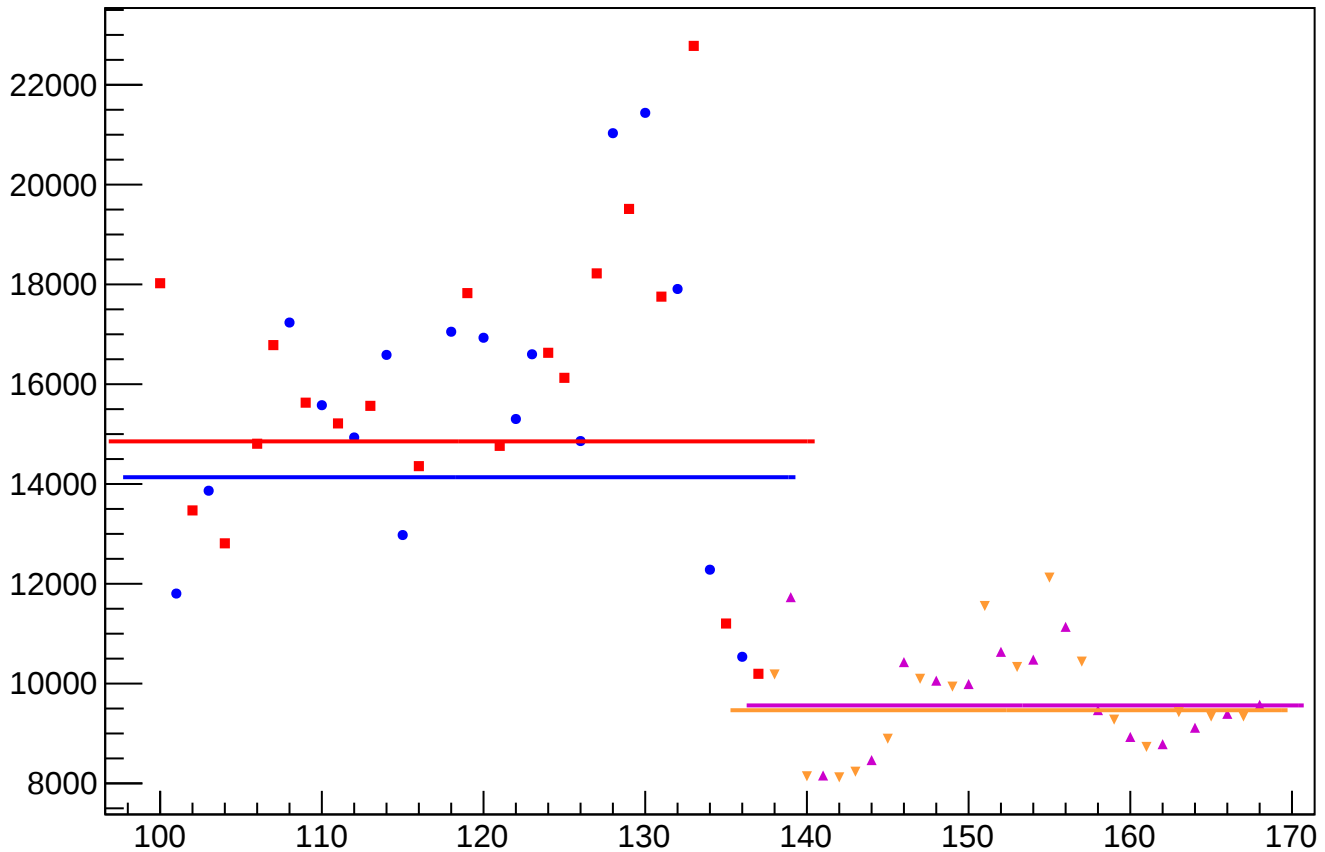
All: -7.702 ± 1.769

χ^2/NDF : 103.8/66

- sign -0.358 ± 2.522

χ^2/NDF : 30.6/33

diff_bpm4aX_rms vs Slug



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

Left Out: 9465.973 $\pm$ 1.958 χ^2 /NDF: 282746.6/15

+ sign 10381.054 $\pm$ 1.755 χ^2 /NDF: 1994852.0/32

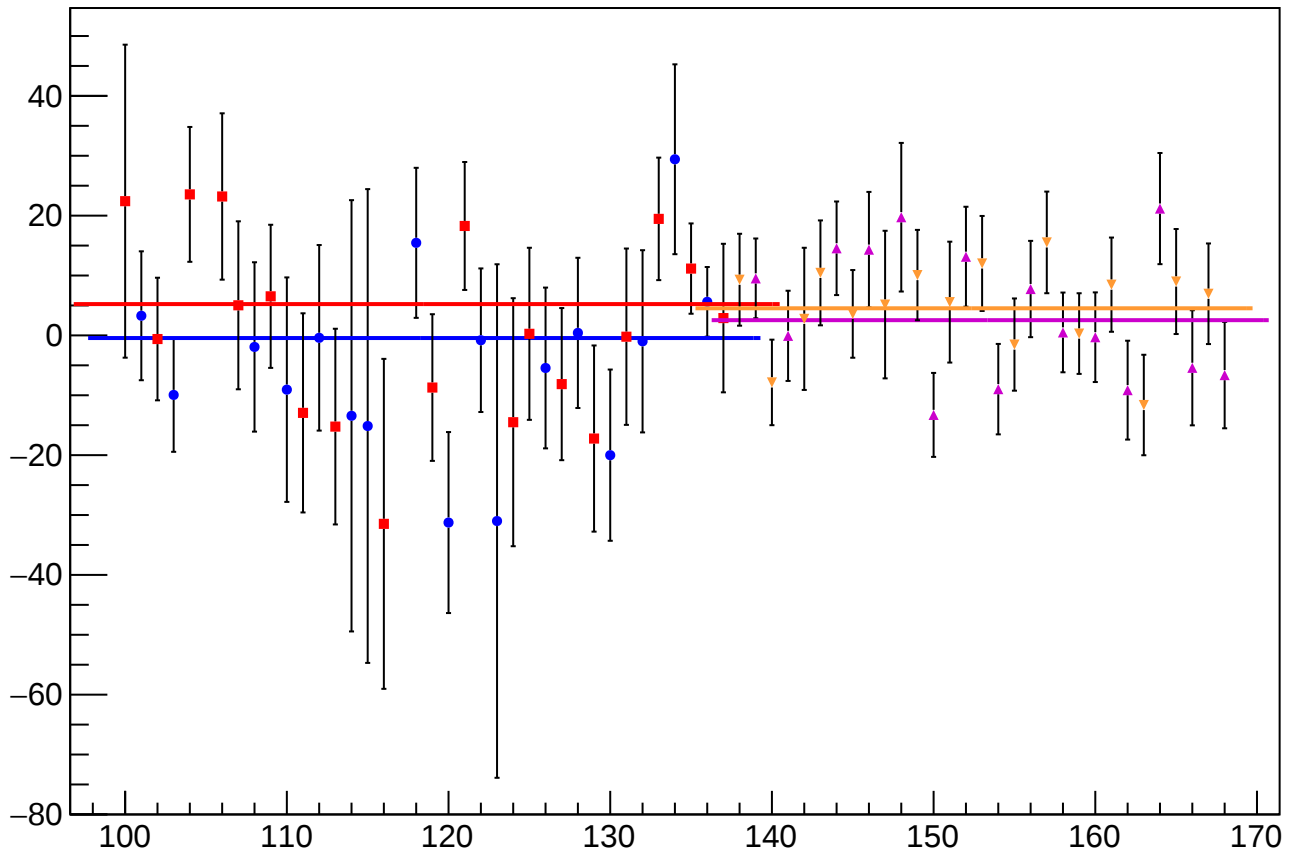
Right Out: 14854.033 $\pm$ 4.014 χ^2 /NDF: 472017.6/18

All: 10491.976 $\pm$ 1.251 χ^2 /NDF: 4096821.8/6

Left In: 9562.192 $\pm$ 1.990 χ^2 /NDF: 227045.7/14

- sign 10606.436 $\pm$ 1.783 χ^2 /NDF: 2093857.6/33

diff_bpm4aY_mean vs Slug



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

Left Out: 4.528 ± 2.061 χ^2/NDF : 12.3/15

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

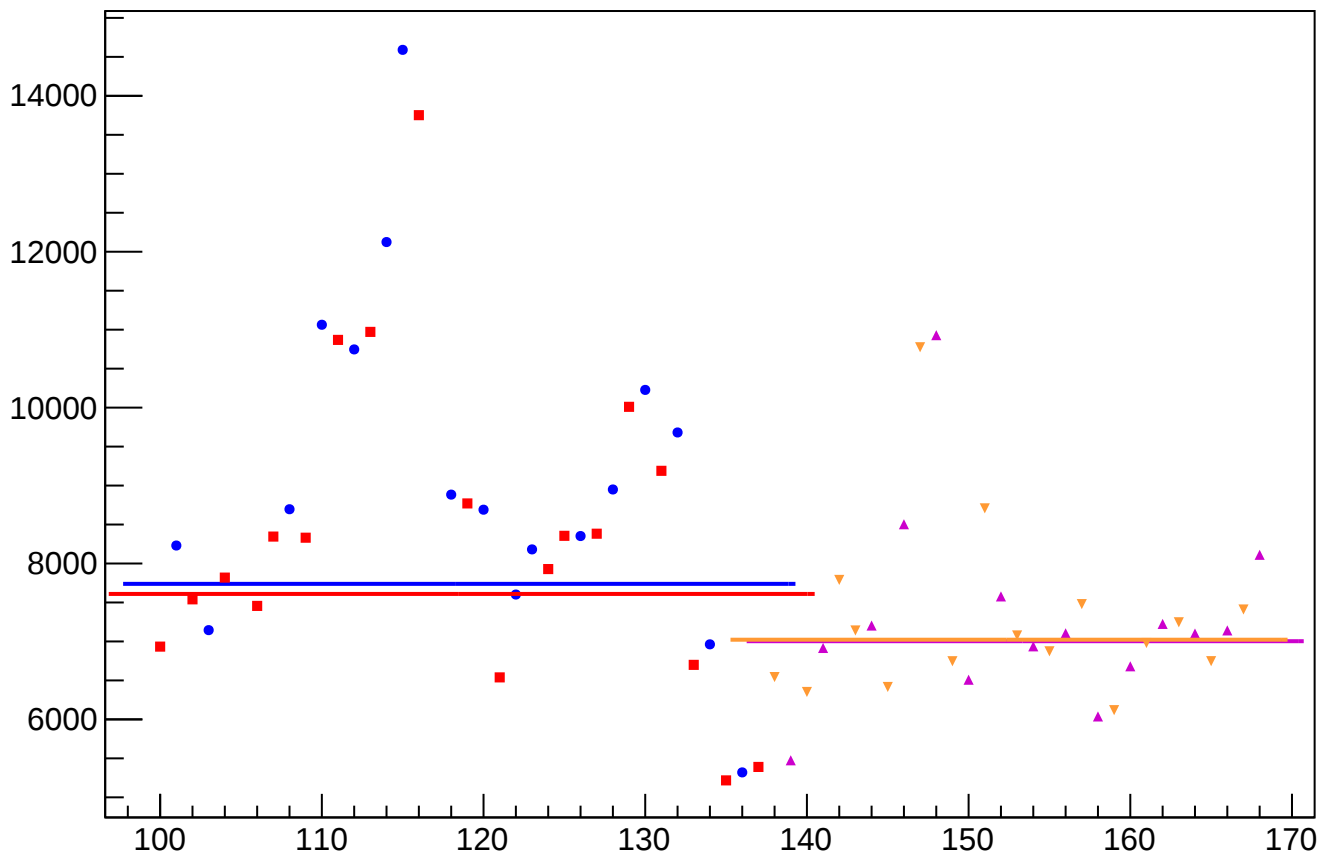
Left In: 2.544 ± 2.078 χ^2/NDF : 24.5/14

+ sign 2.985 ± 1.711 χ^2/NDF : 28.7/32

All: 3.215 ± 1.205 χ^2/NDF : 73.1/66

- sign 3.440 ± 1.696 χ^2/NDF : 44.4/33

diff_bpm4aY_rms vs Slug



Right In: 7738.886+/-2.172 χ^2/NDF : 740836.7/16

Left Out: 7022.230+/-1.457 χ^2/NDF : 341995.5/15

Right Out: 7609.531+/-2.076 χ^2/NDF : 679180.7/18

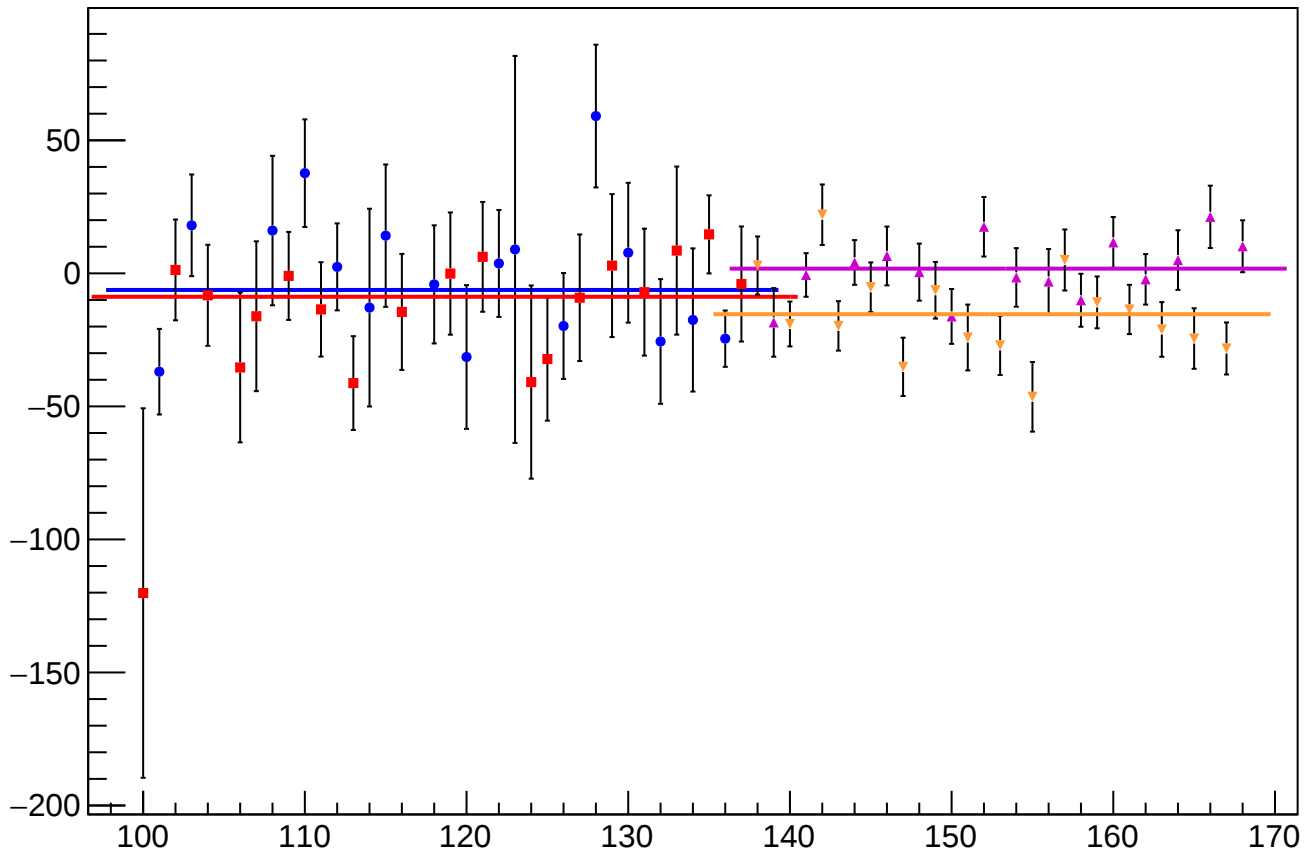
Left In: 7003.157+/-1.469 χ^2/NDF : 454264.0/14

+ sign 7244.703+/-1.210 χ^2/NDF : 1157935.2/32

All: 7224.936+/-0.852 χ^2/NDF : 2348756.3/60

- sign 7205.516+/-1.199 χ^2/NDF : 1190291.9/33

diff_bpm4eX_mean vs Slug



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

Left Out: -15.351 ± 2.597 χ^2/NDF : 32.5/15

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

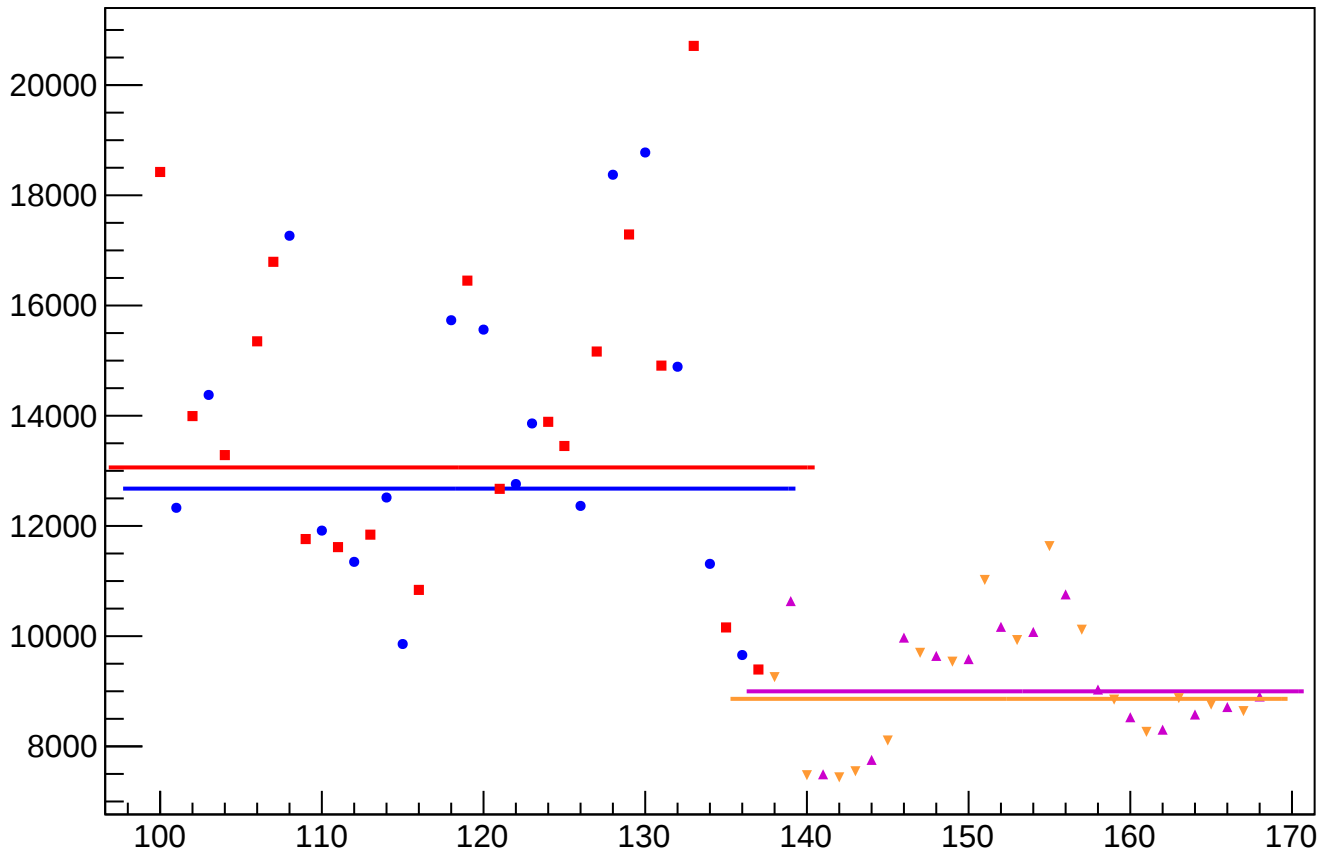
Left In: 1.774 ± 2.652 χ^2/NDF : 14.3/14

+ sign -13.427 ± 2.306 χ^2/NDF : 58.3/32

All: -7.088 ± 1.643 χ^2/NDF : 104.6/66

- sign -0.548 ± 2.343 χ^2/NDF : 31.0/33

diff_bpm4eX_rms vs Slug



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

Left Out: 8862.445+/-1.836 χ^2/NDF : 363117.0/15

+ sign 9668.535+/-1.631 χ^2/NDF : 1828740.6/32

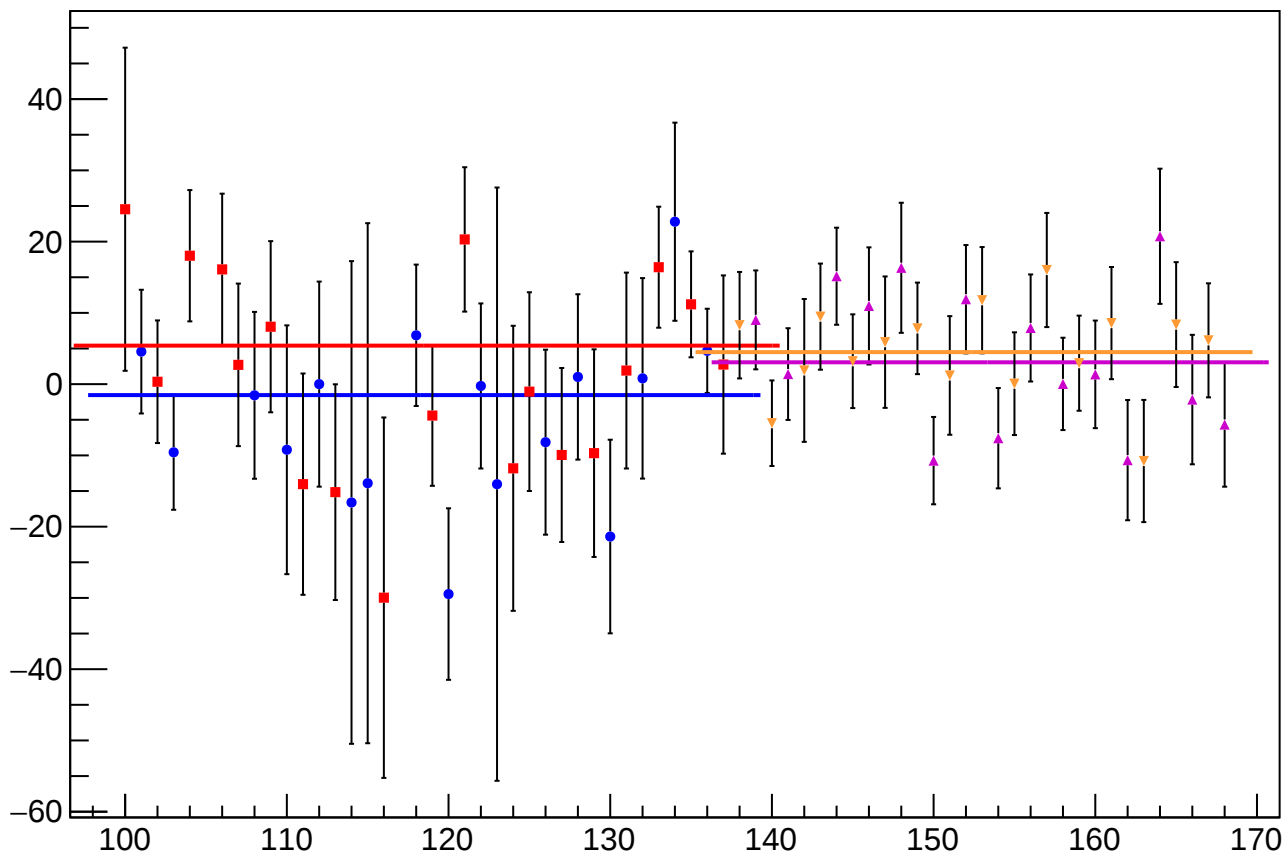
Right Out: 13061.839+/-3.535 χ^2/NDF : 497429.6/18

All: 9777.973+/-1.162 χ^2/NDF : 3641483.5/60

Left In: 8998.786+/-1.875 χ^2/NDF : 275168.9/14

- sign 9890.879+/-1.656 χ^2/NDF : 1803593.5/33

diff_bpm4eY_mean vs Slug



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

Left Out: 4.494 ± 1.887 χ^2/NDF : 11.2/15

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

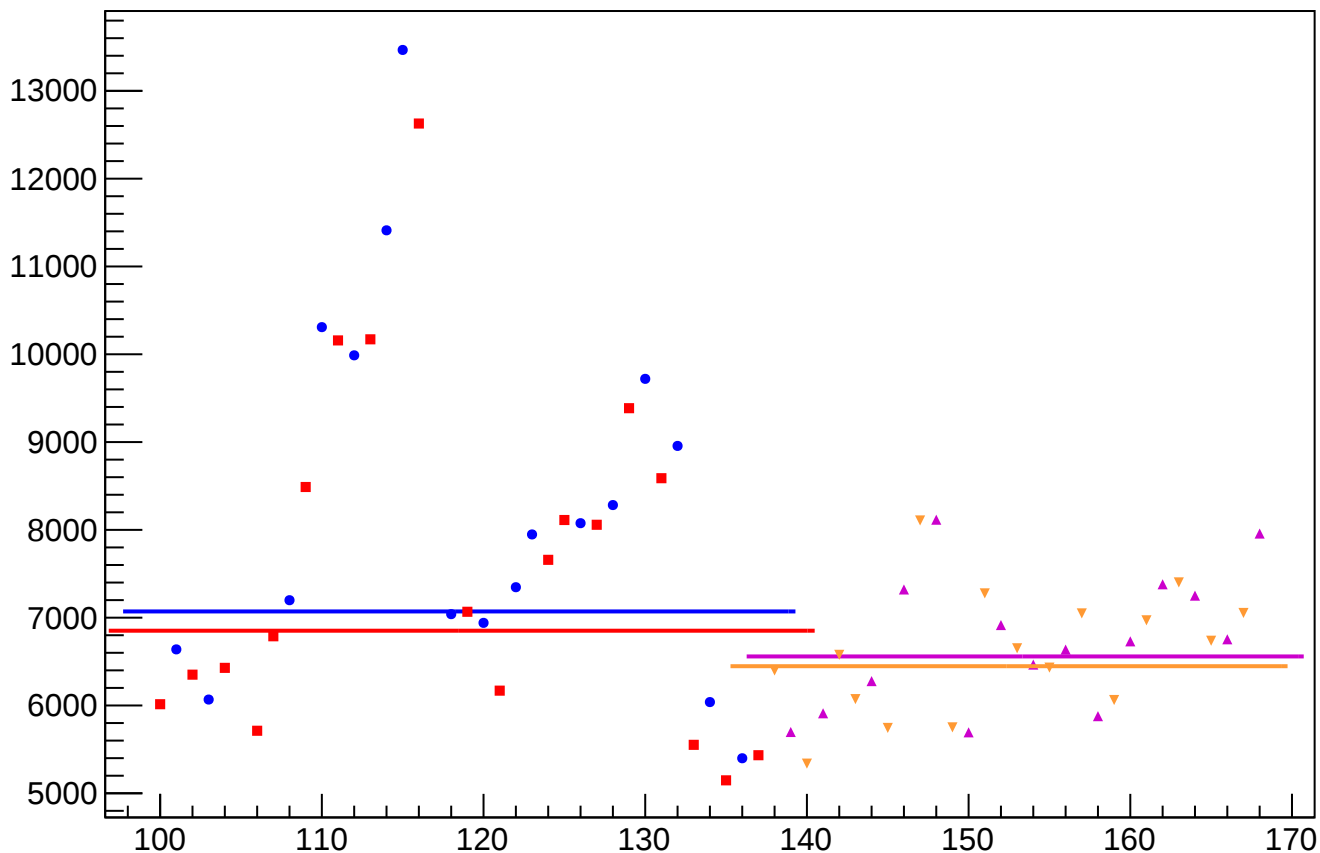
Left In: 3.065 ± 1.936 χ^2/NDF : 23.8/14

+ sign 2.601 ± 1.563 χ^2/NDF : 29.2/32

All: 3.243 ± 1.105 χ^2/NDF : 72.5/66

- sign 3.883 ± 1.561 χ^2/NDF : 42.9/33

diff_bpm4eY_rms vs Slug



Right In: 7071.043+/-1.973 χ^2/NDF : 600748.1/16

Left Out: 6447.297+/-1.334 χ^2/NDF : 271575.4/15

Right Out: 6851.604+/-1.866 χ^2/NDF : 684398.7/18

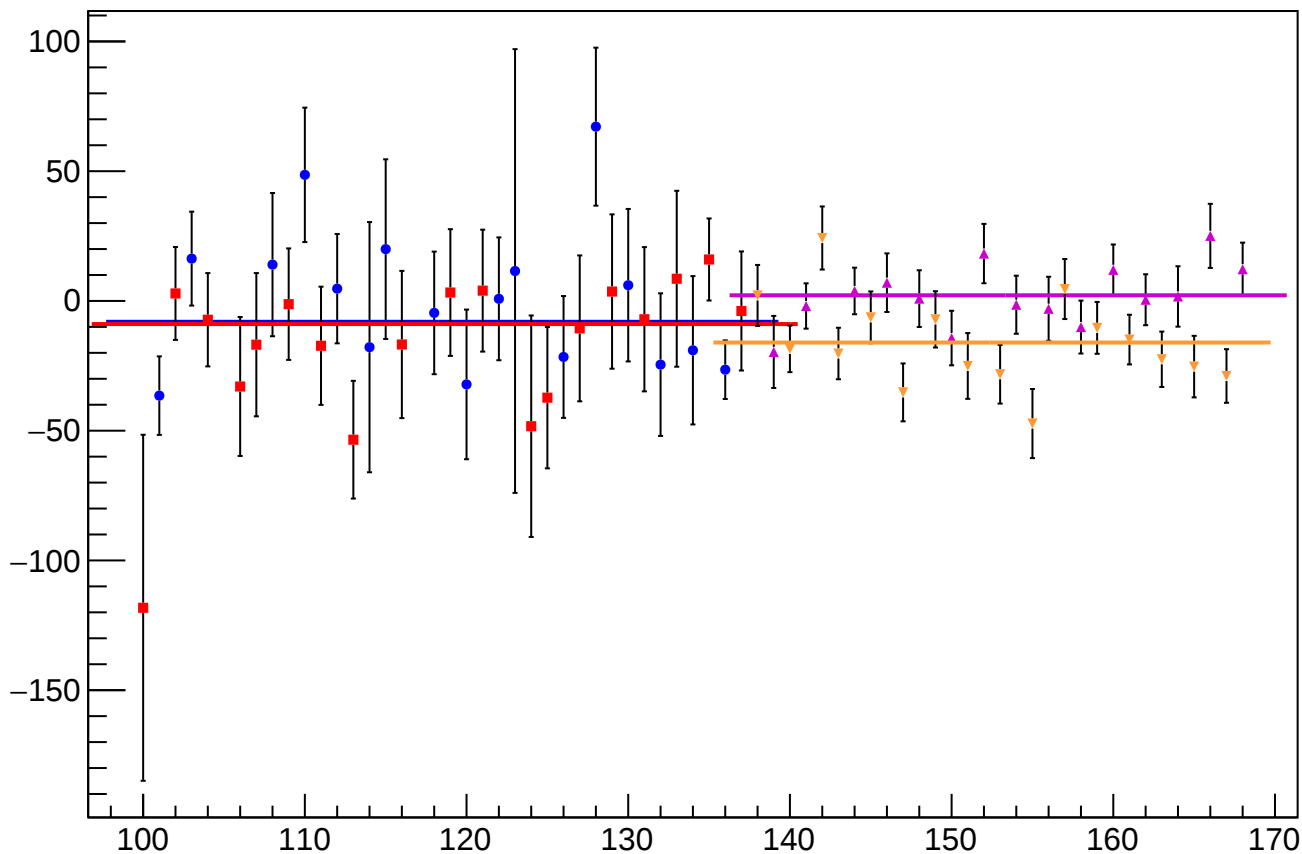
Left In: 6558.543+/-1.369 χ^2/NDF : 279811.4/14

+ sign 6643.030+/-1.105 χ^2/NDF : 940899.3/32

All: 6652.043+/-0.781 χ^2/NDF : 1921273.2/66

- sign 6661.032+/-1.104 χ^2/NDF : 980241.2/33

diff_bpm4acX_mean vs Slug



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

Left Out: -16.014 ± 2.707 $\chi^2/\text{NDF}: 31.4/15$

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

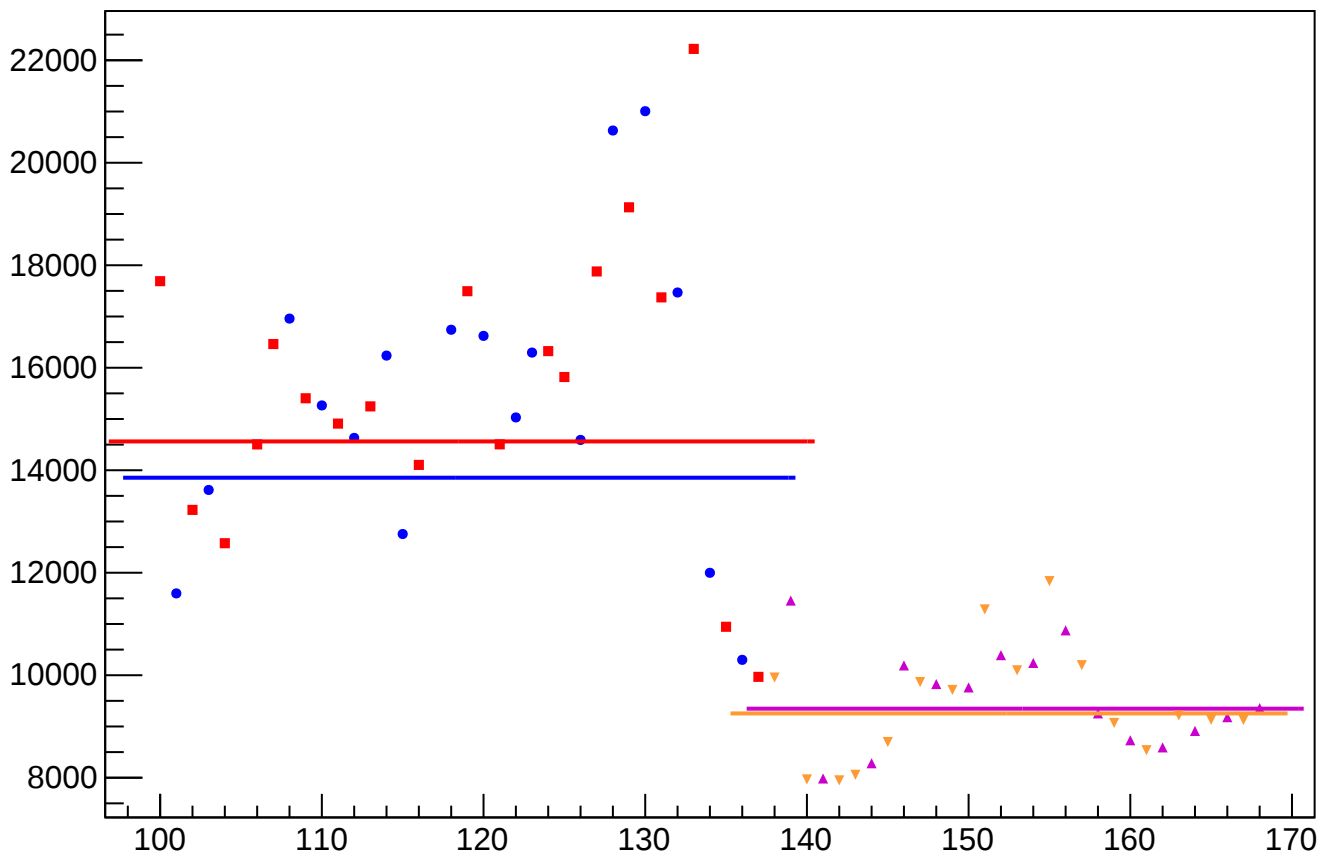
Left In: 2.183 ± 2.751 $\chi^2/\text{NDF}: 14.5/14$

+ sign -14.458 ± 2.428 $\chi^2/\text{NDF}: 55.7/32$

All: -7.340 ± 1.730 $\chi^2/\text{NDF}: 104.6/66$

- sign 0.005 ± 2.467 $\chi^2/\text{NDF}: 31.4/33$

diff_bpm4acX_rms vs Slug



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

Left Out: 9254.676+/-1.914 χ^2/NDF : 279539.1/15

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

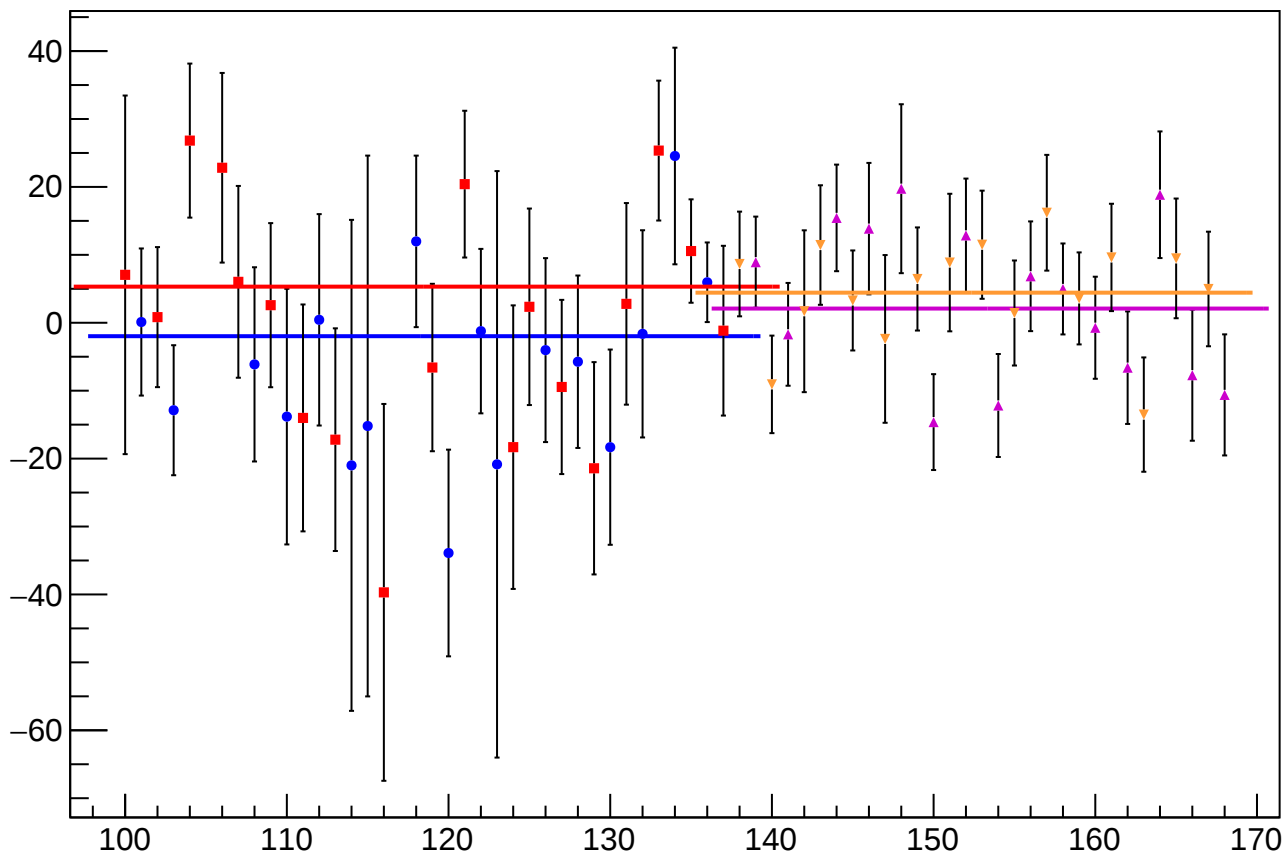
Left In: 9347.486+/-1.946 χ^2/NDF : 224340.9/14

+ sign 10152.056+/-1.717 χ^2/NDF : 2007390.1/32

All: 10260.068+/-1.224 χ^2/NDF : 4124810.3/66

- sign 10371.518+/-1.744 χ^2/NDF : 2109379.7/33

diff_bpm4acY_mean vs Slug



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

Left Out: 4.431 ± 2.070 χ^2/NDF : 13.3/15

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

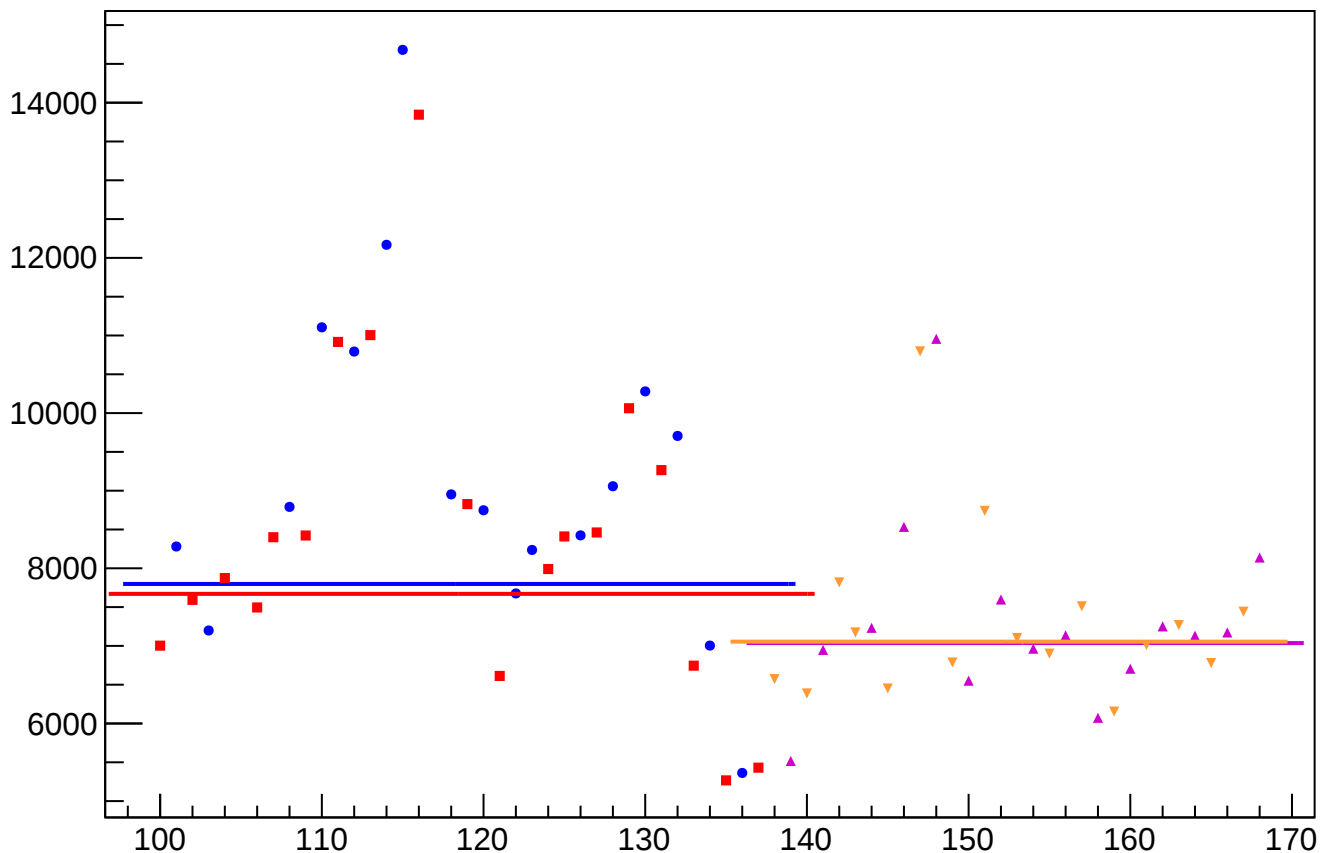
Left In: 2.091 ± 2.087 χ^2/NDF : 26.6/14

+ sign 2.450 ± 1.720 χ^2/NDF : 30.3/32

All: 2.810 ± 1.211 χ^2/NDF : 82.0/66

- sign 3.163 ± 1.706 χ^2/NDF : 51.6/33

diff_bpm4acY_rms vs Slug



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

Left Out: 7054.727 $\pm$ 1.463 χ^2 /NDF:338149.5/15

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

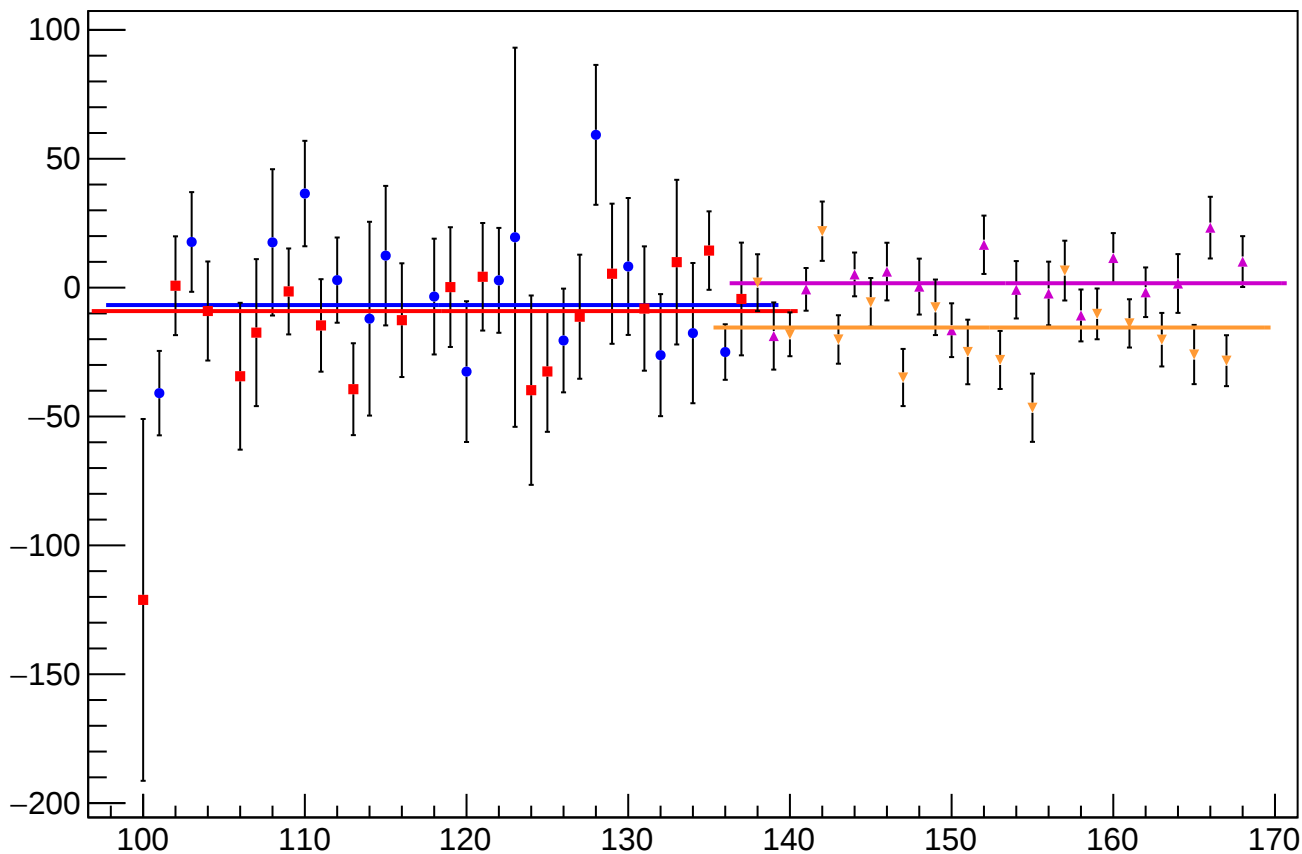
Left In: 7036.687 $\pm$ 1.476 χ^2 /NDF:447392.4/14

+ sign 7284.592 $\pm$ 1.216 χ^2 /NDF: 1154231.7/32

All: 7265.808 $\pm$ 0.856 χ^2 /NDF: 2336092.3/60

- sign 7247.345 $\pm$ 1.206 χ^2 /NDF: 1181387.8/33

diff_bpm4ecX_mean vs Slug



Right In: -6.760 ± 5.085 χ^2/NDF : 23.7/16

Left Out: -15.472 ± 2.625 χ^2/NDF : 32.1/15

Right Out: -9.102 ± 5.070 χ^2/NDF : 12.2/18

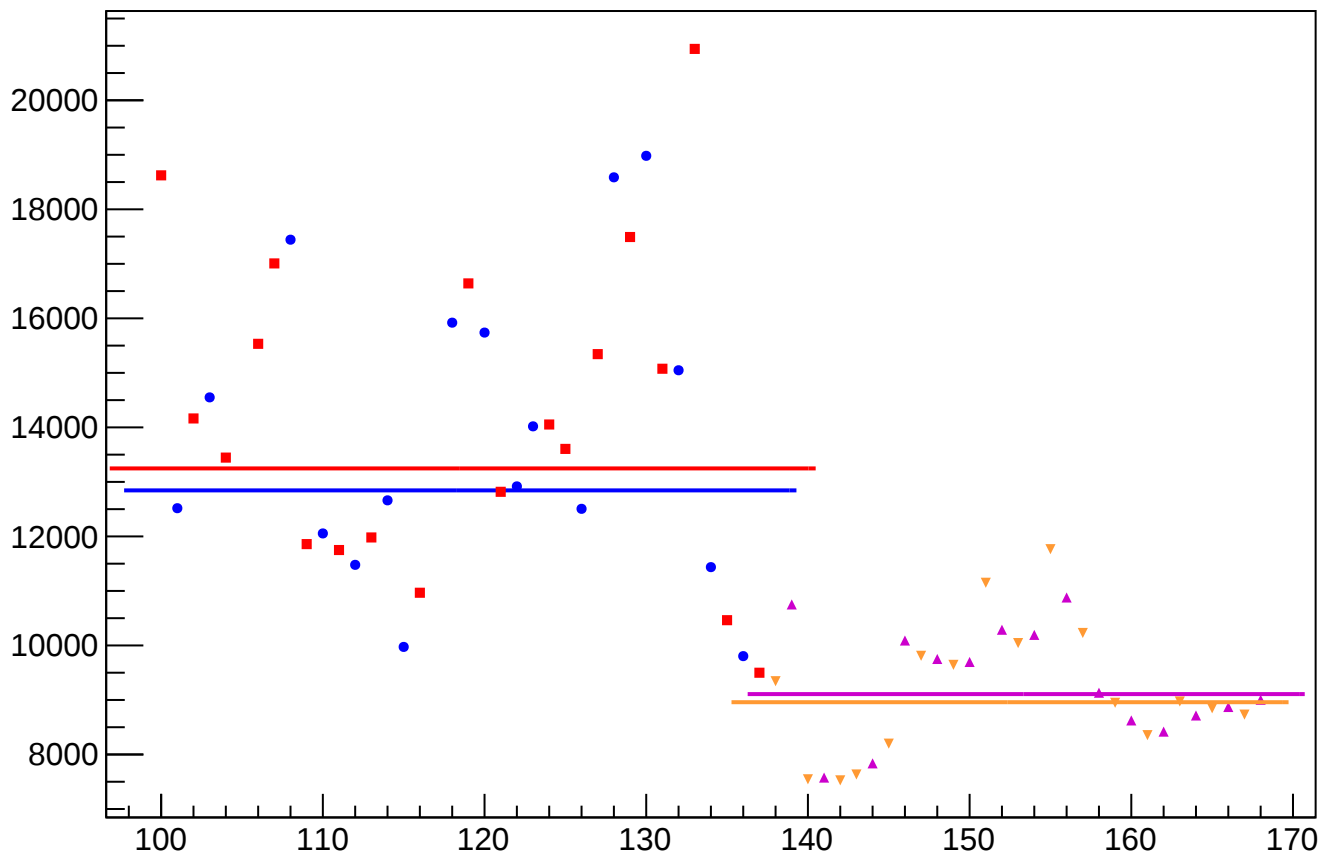
Left In: 1.708 ± 2.684 χ^2/NDF : 14.5/14

+ sign -13.639 ± 2.333 χ^2/NDF : 58.1/32

All: -7.259 ± 1.663 χ^2/NDF : 103.6/66

- sign -0.659 ± 2.372 χ^2/NDF : 30.3/33

diff_bpm4ecX_rms vs Slug



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

Left Out: 8958.961+/-1.856 χ^2/NDF : 364726.4/15

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

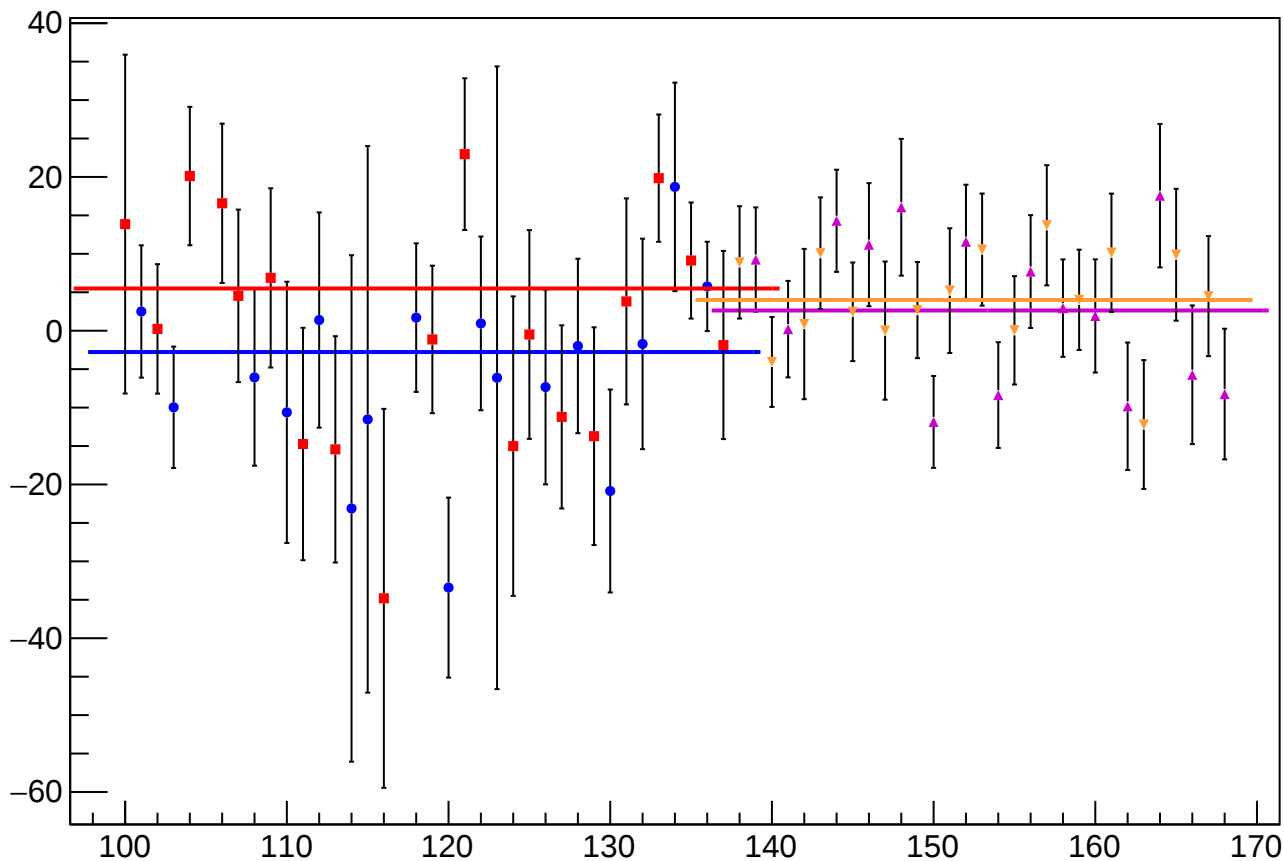
Left In: 9107.786+/-1.898 χ^2/NDF : 274446.4/14

+ sign 9776.716+/-1.649 χ^2/NDF : 1833996.7/32

All: 9893.379+/-1.176 χ^2/NDF : 3645243.8/60

- sign 10014.056+/-1.678 χ^2/NDF : 1801070.2/33

diff_bpm4ecY_mean vs Slug



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

Left Out: 4.003 ± 1.842 χ^2/NDF : 11.0/15

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

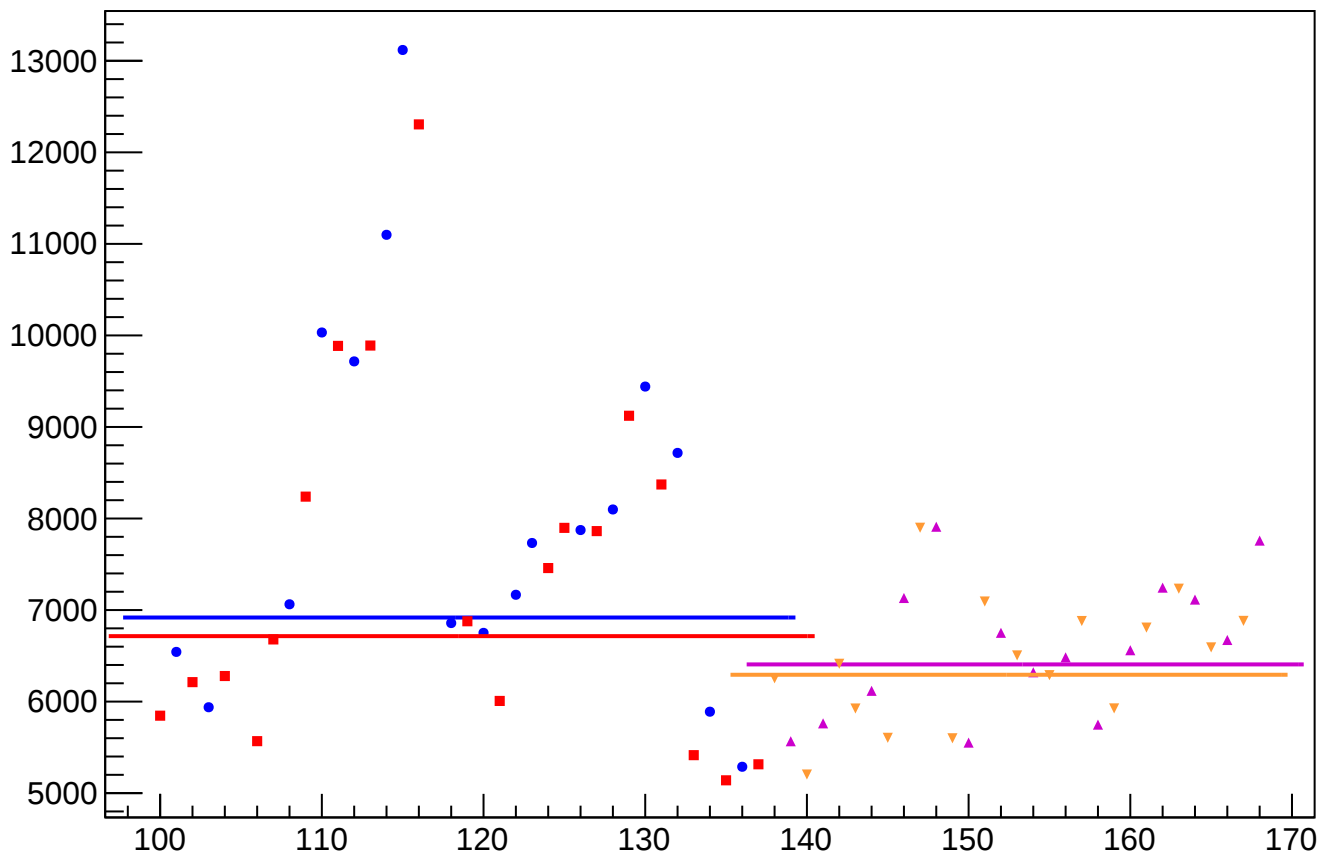
Left In: 2.630 ± 1.892 χ^2/NDF : 25.3/14

+ sign 1.885 ± 1.527 χ^2/NDF : 31.1/32

All: 2.756 ± 1.080 χ^2/NDF : 81.0/66

- sign 3.627 ± 1.527 χ^2/NDF : 49.3/33

diff_bpm4ecY_rms vs Slug



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

Left Out: 6293.103 ± 1.302 χ^2/NDF : 273185.4/15

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

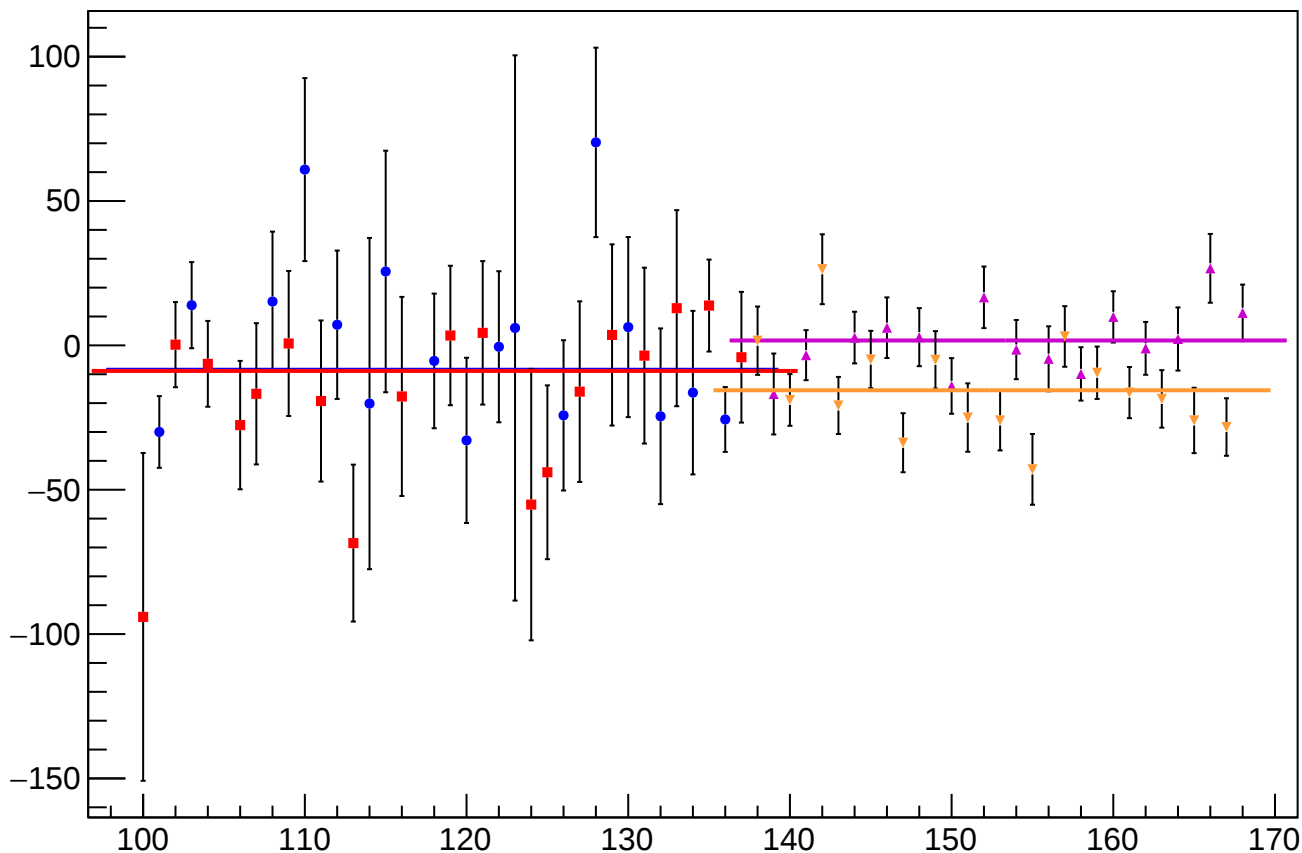
Left In: 6406.183 ± 1.338 χ^2/NDF : 281669.3/14

+ sign 6488.563 ± 1.080 χ^2/NDF : 932285.4/32

All: 6501.161 ± 0.764 χ^2/NDF : 1888806.3/60

- sign 6513.757 ± 1.080 χ^2/NDF : 956248.7/33

diff_bpm1X_mean vs Slug



Right In: -8.448 ± 5.393 χ^2/NDF : 22.0/16

Left Out: -15.550 ± 2.569 χ^2/NDF : 32.8/15

Right Out: -8.854 ± 5.508 χ^2/NDF : 14.2/18

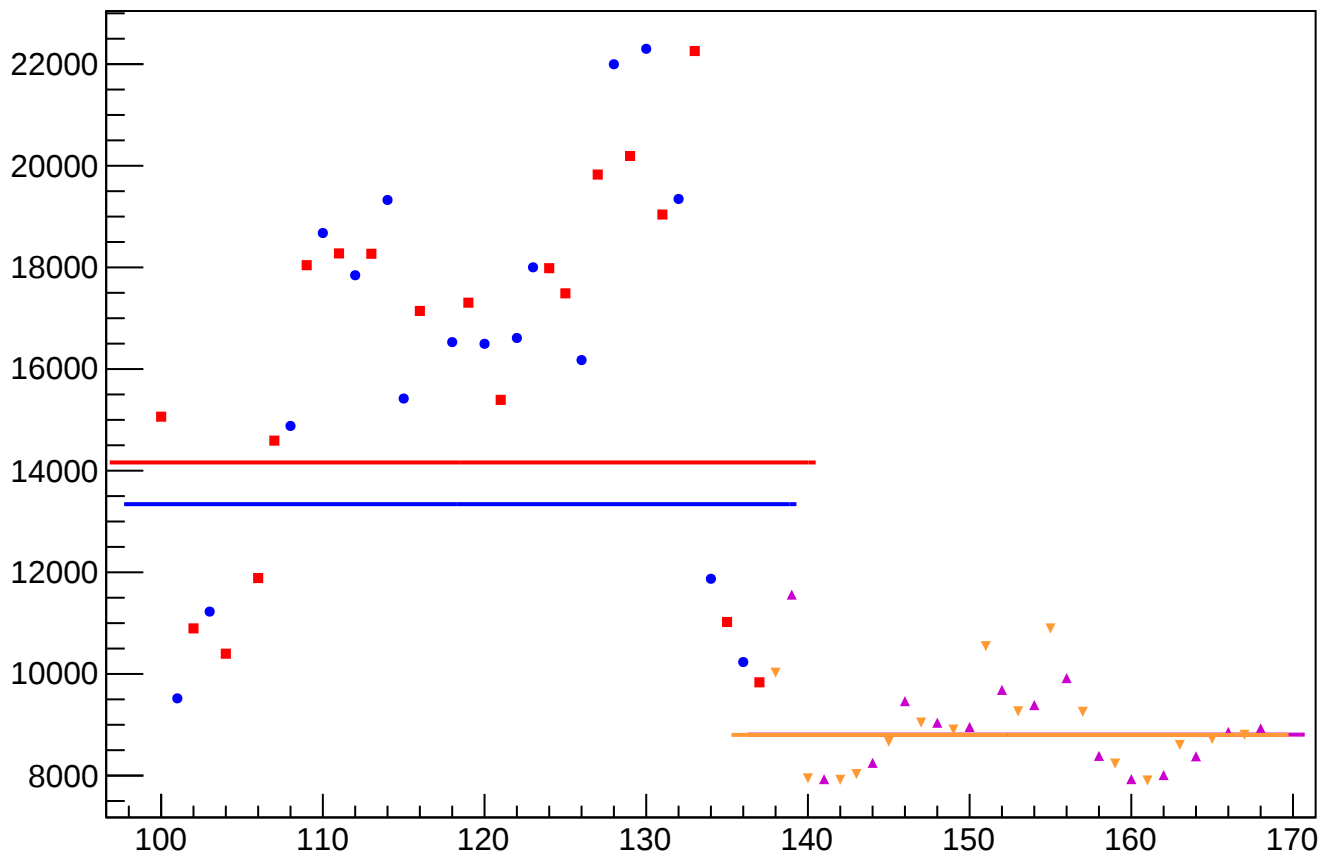
Left In: 1.694 ± 2.591 χ^2/NDF : 15.2/14

+ sign -14.236 ± 2.320 χ^2/NDF : 56.2/32

All: -7.302 ± 1.649 χ^2/NDF : 106.7/66

- sign -0.217 ± 2.345 χ^2/NDF : 32.4/33

diff_bpm1X_rms vs Slug



Right In: 13340.948+/-3.813 χ^2/NDF : 1044569.8/16

Left Out: 8801.357+/-1.817 χ^2/NDF : 202857.0/15

Right Out: 14161.826+/-3.895 χ^2/NDF : 931787.3/18

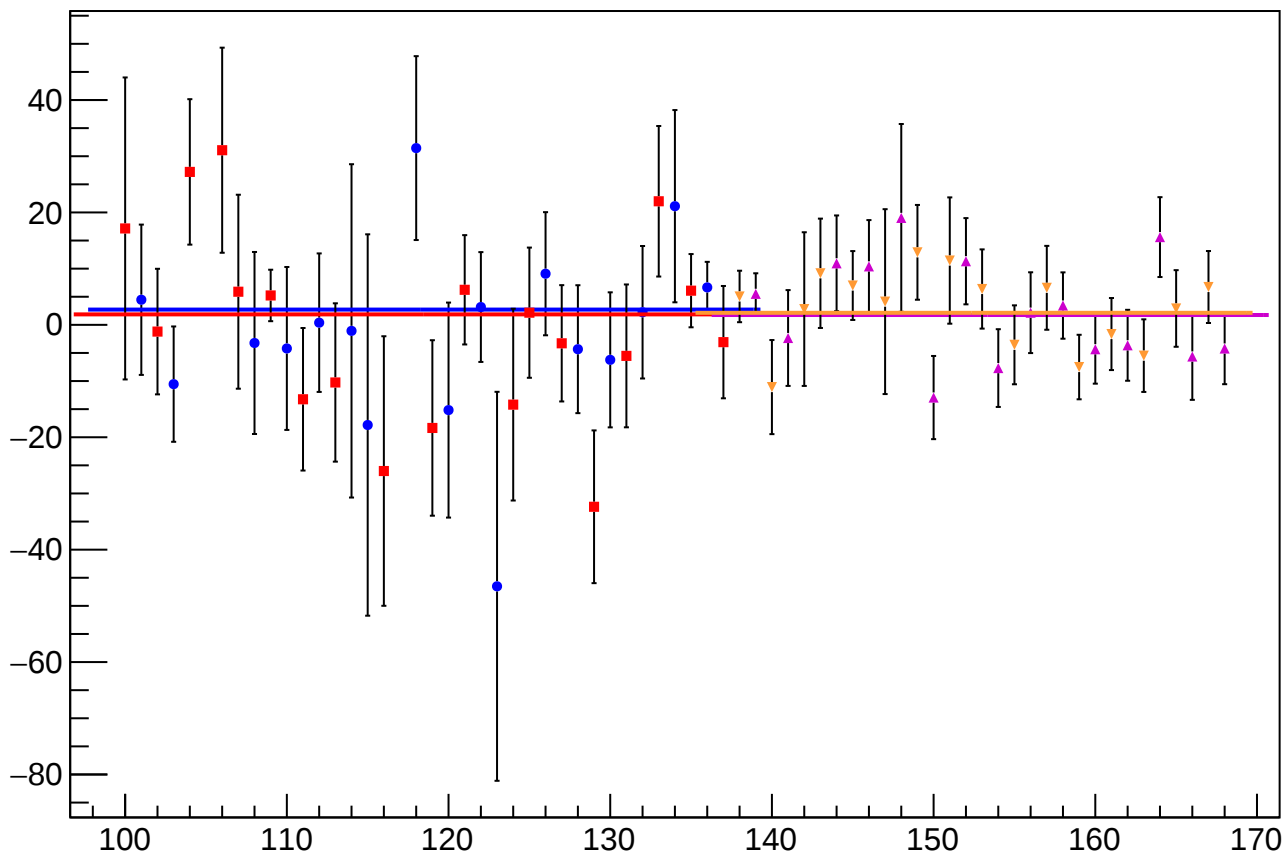
Left In: 8806.421+/-1.832 χ^2/NDF : 196520.9/14

+ sign 9641.205+/-1.640 χ^2/NDF : 2402394.5/32

All: 9708.196+/-1.166 χ^2/NDF : 5082054.8/60

- sign 9776.634+/-1.658 χ^2/NDF : 2676288.1/33

diff_bpm1Y_mean vs Slug



Right In: 2.717 ± 2.752 χ^2/NDF : 11.6/16

Left Out: 2.142 ± 1.787 χ^2/NDF : 12.8/15

Right Out: 1.861 ± 2.439 χ^2/NDF : 23.5/18

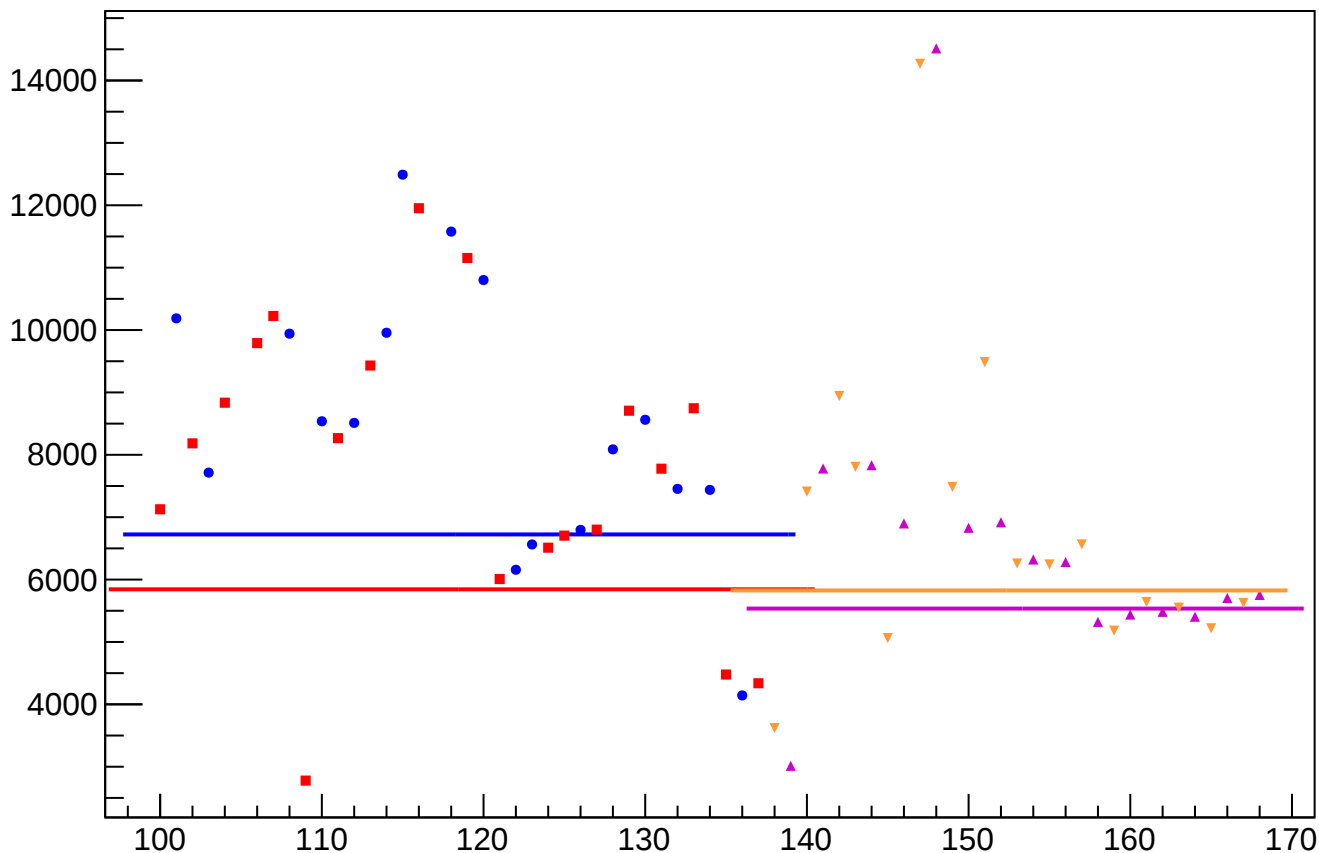
Left In: 1.751 ± 1.720 χ^2/NDF : 19.4/14

+ sign 2.313 ± 1.499 χ^2/NDF : 24.5/32

All: 2.033 ± 1.025 χ^2/NDF : 67.5/66

- sign 1.788 ± 1.405 χ^2/NDF : 42.9/33

diff_bpm1Y_rms vs Slug



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

Left Out: 5825.979+/-1.264 χ^2/NDF : 1653003.1/15

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

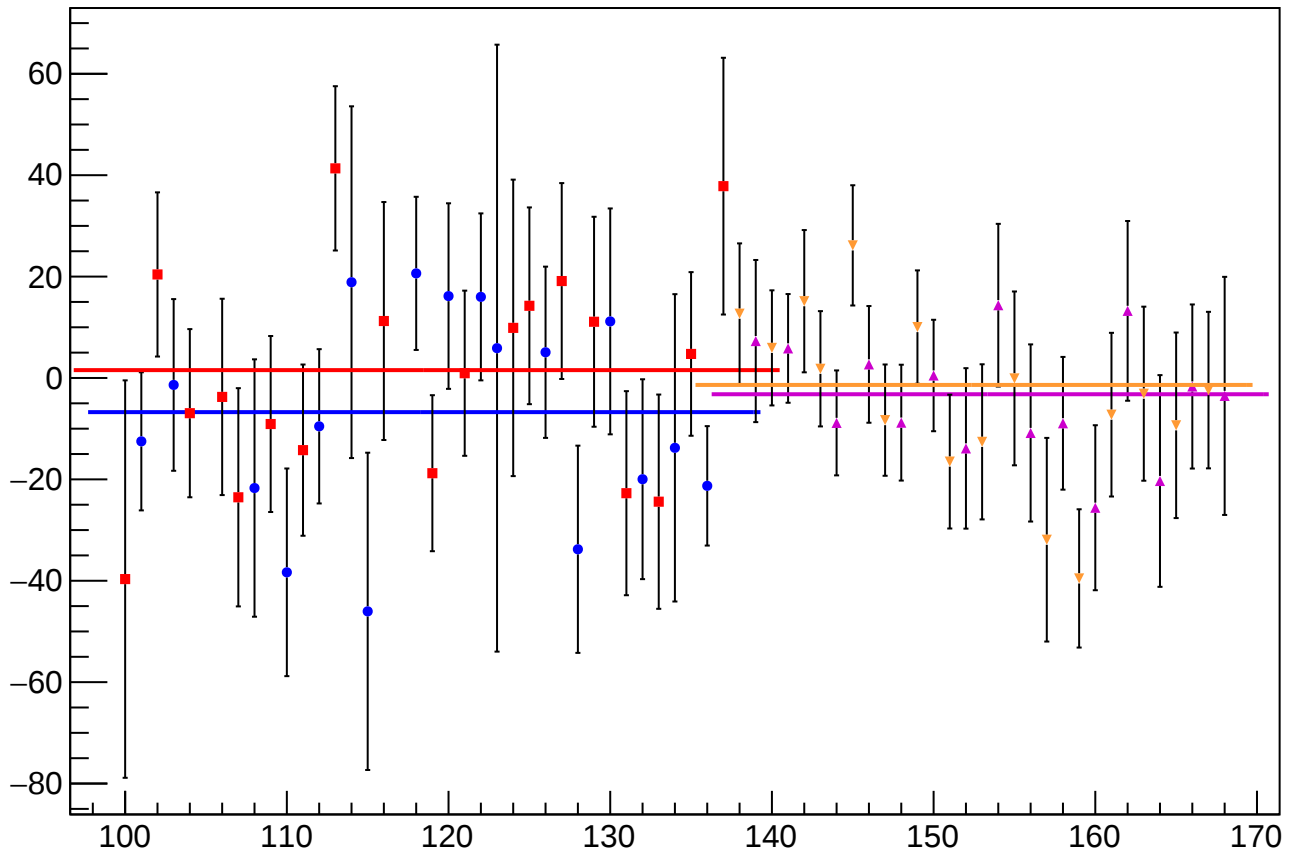
Left In: 5535.156+/-1.216 χ^2/NDF : 2049226.4/14

+ sign 6092.268+/-1.060 χ^2/NDF : 3194831.7/32

All: 5850.368+/-0.725 χ^2/NDF : 7640597.2/60

- sign 5637.655+/-0.994 χ^2/NDF : 4347848.4/33

diff_bpm11X_mean vs Slug



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

Left Out: -1.370 ± 3.433 χ^2/NDF : 22.1/15

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

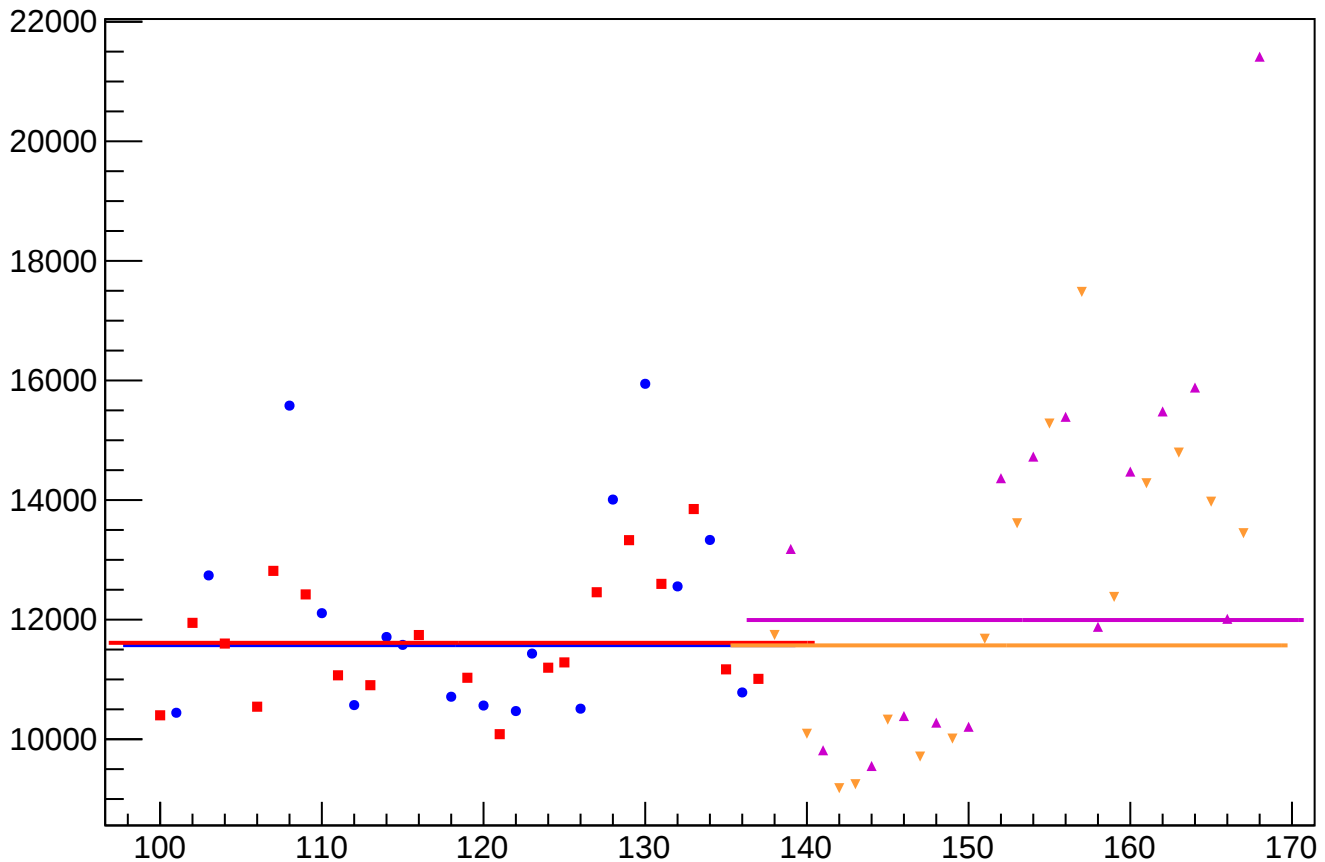
Left In: -3.208 ± 3.597 χ^2/NDF : 7.5/14

+ sign -3.337 ± 2.732 χ^2/NDF : 39.8/32

All: -2.329 ± 1.948 χ^2/NDF : 68.3/66

- sign -1.288 ± 2.778 χ^2/NDF : 28.2/33

diff_bpm11X_rms vs Slug



Right In: 11573.490 $\pm$ 3.191 χ^2 /NDF: 238734.7/16

Left Out: 11569.380 $\pm$ 2.427 χ^2 /NDF: 794506.1/15

Right Out: 11612.220 $\pm$ 3.092 χ^2 /NDF: 94308.1/18

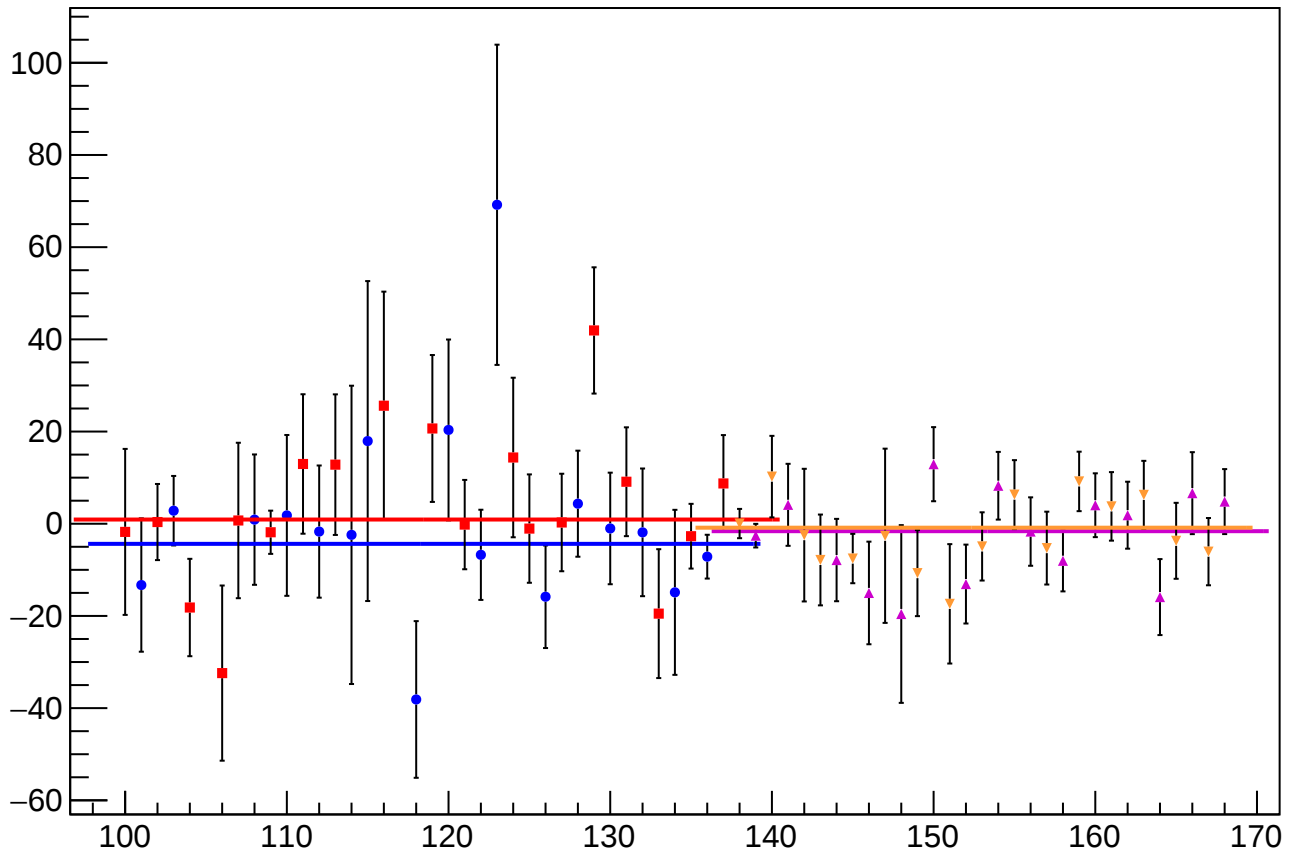
Left In: 11993.546 $\pm$ 2.543 χ^2 /NDF: 1035703.2/14

+ sign 11570.887 $\pm$ 1.932 χ^2 /NDF: 1033241.9/32

All: 11703.045 $\pm$ 1.377 χ^2 /NDF: 2181842.2/6

- sign 11839.646 $\pm$ 1.964 χ^2 /NDF: 1139084.0/33

diff_bpm11Y_mean vs Slug



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

Left Out: -0.856 ± 1.745 χ^2/NDF : 12.4/15

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

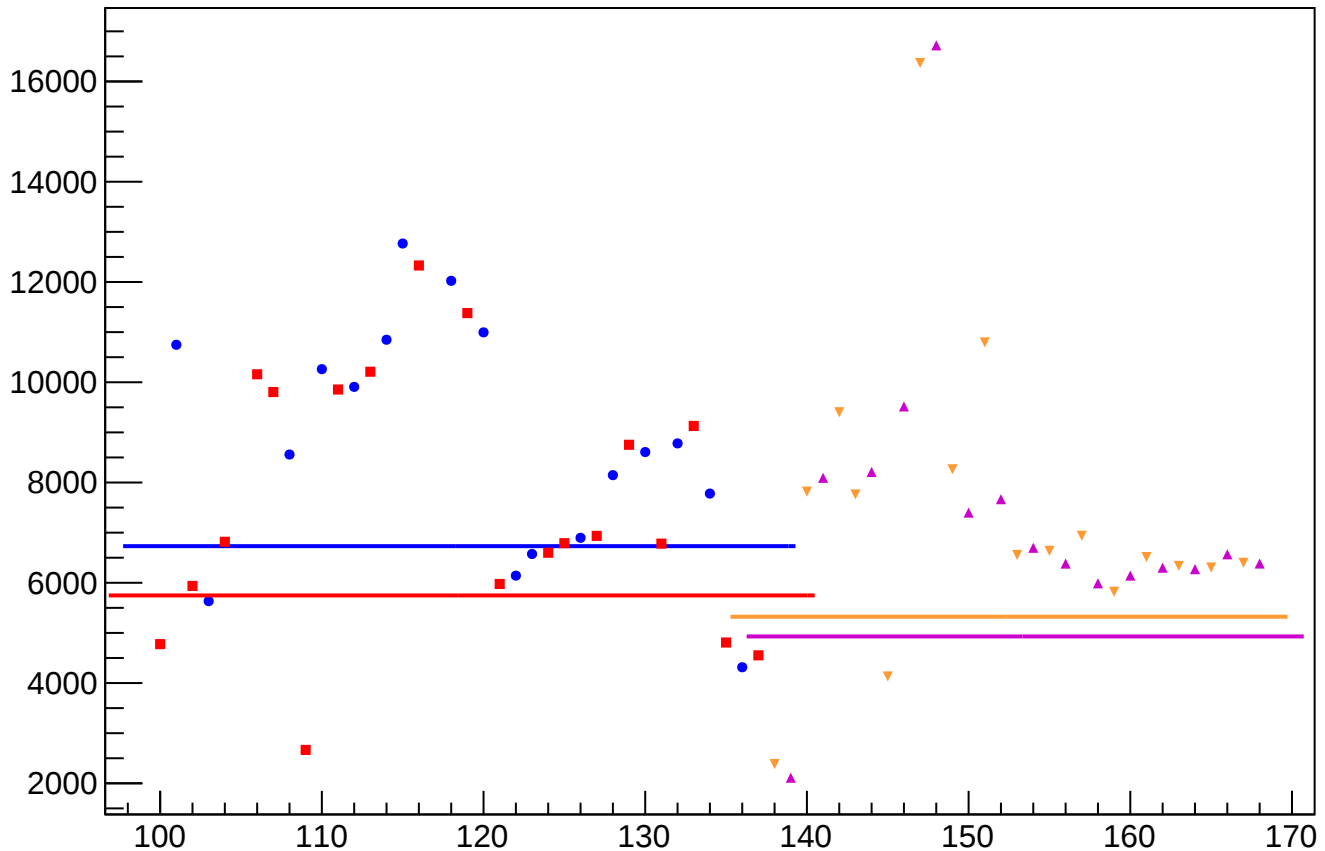
Left In: -1.615 ± 1.657 χ^2/NDF : 16.8/14

+ sign -1.849 ± 1.478 χ^2/NDF : 28.0/32

All: -1.290 ± 1.004 χ^2/NDF : 69.3/66

- sign -0.810 ± 1.368 χ^2/NDF : 41.0/33

diff_bpm11Y_rms vs Slug



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

Left Out: 5323.238+/-1.234 χ^2/NDF : 3863929.2/15

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

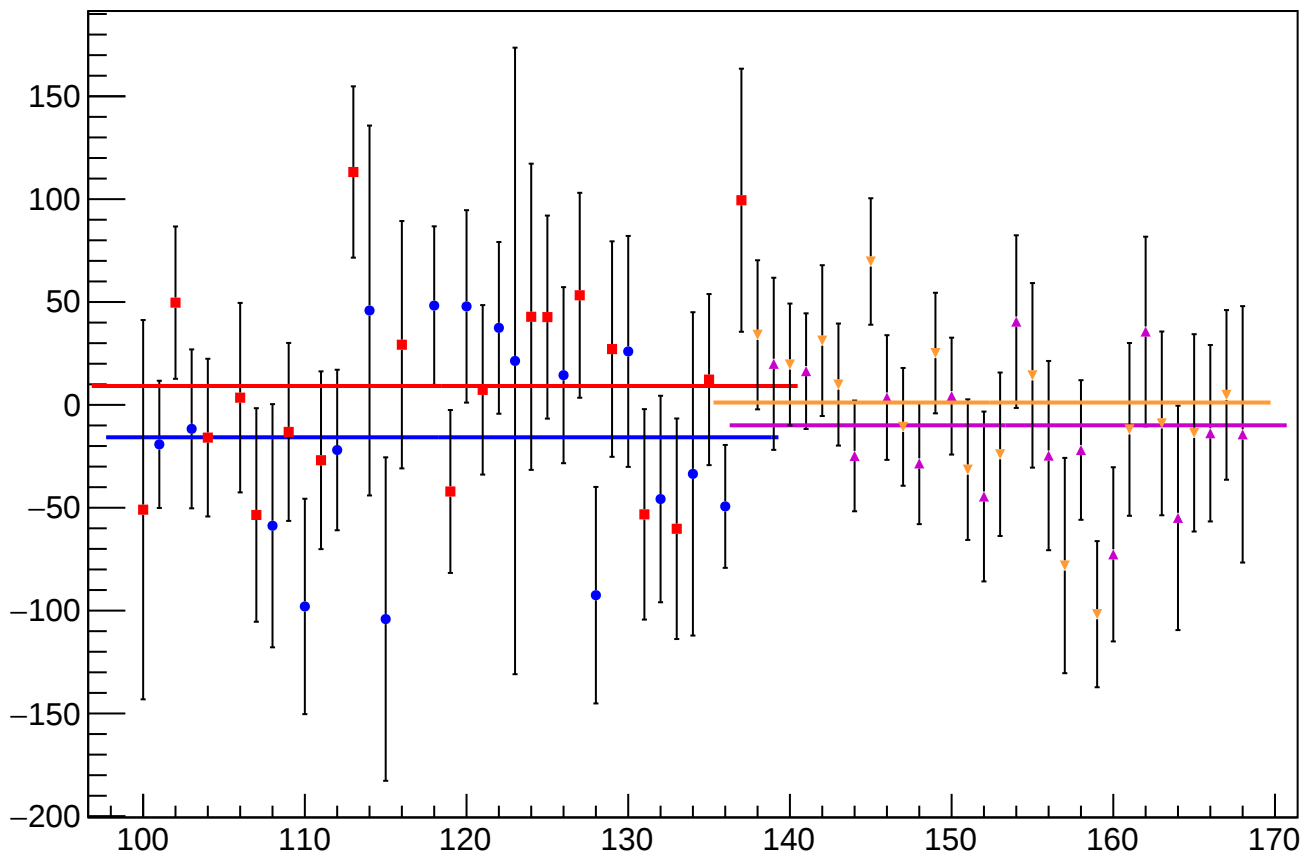
Left In: 4930.072+/-1.172 χ^2/NDF : 5008175.7/14

+ sign 5721.956+/-1.045 χ^2/NDF : 5677589.3/32

All: 5435.656+/-0.710 χ^2/NDF : 13142341.8/6

- sign 5190.148+/-0.968 χ^2/NDF : 7325288.3/33

diff_bpm12X_mean vs Slug



Right In: -15.751 ± 11.207 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 1.147 ± 8.958 $\chi^2/\text{NDF}: 20.1/15$

Right Out: 9.179 ± 10.889 $\chi^2/\text{NDF}: 19.3/18$

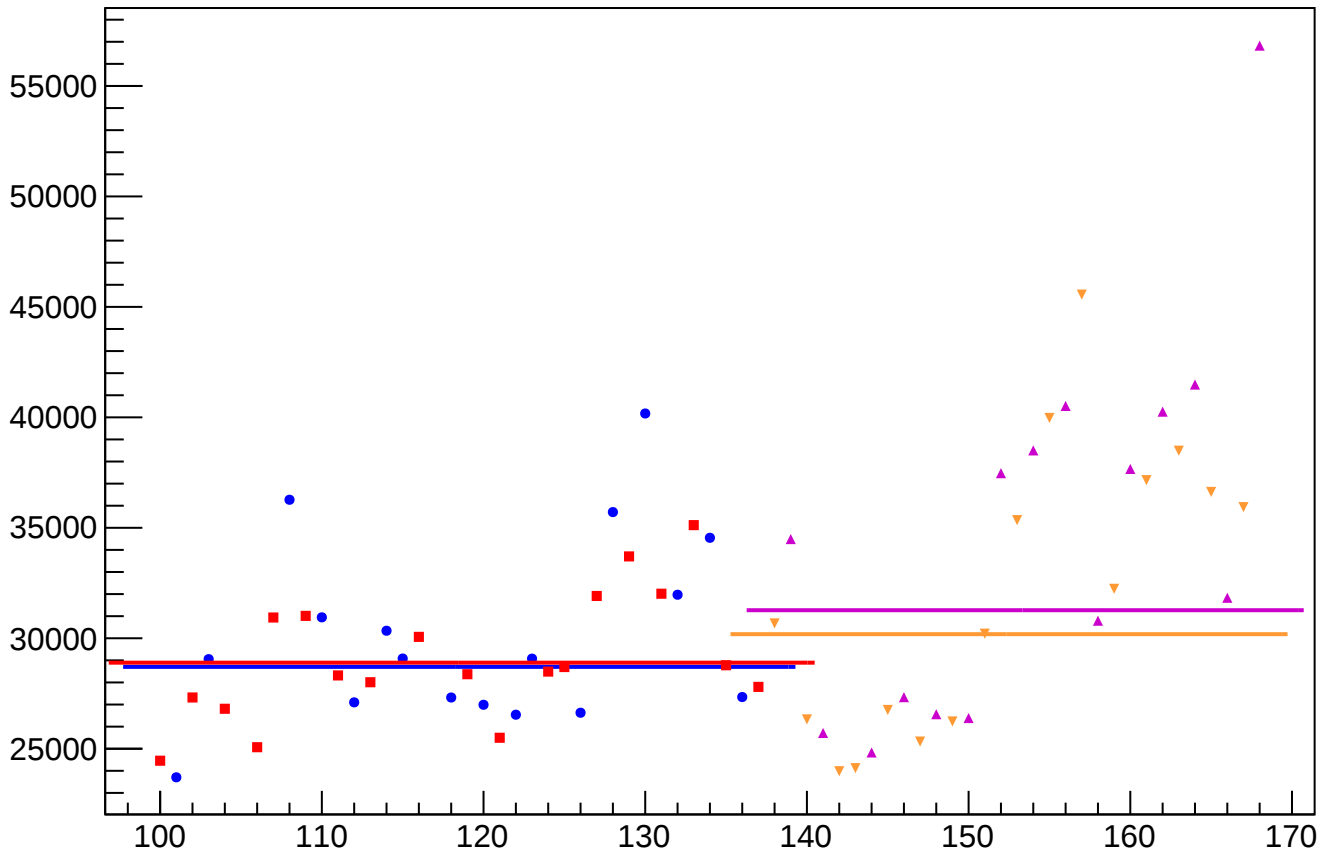
Left In: -9.927 ± 9.383 $\chi^2/\text{NDF}: 8.8/14$

+ sign -5.440 ± 6.998 $\chi^2/\text{NDF}: 37.4/32$

All: -3.641 ± 4.987 $\chi^2/\text{NDF}: 67.4/66$

- sign -1.785 ± 7.108 $\chi^2/\text{NDF}: 29.8/33$

diff_bpm12X_rms vs Slug



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

Left Out: 30185.235+/-6.335 χ^2/NDF : 801483.3/15

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

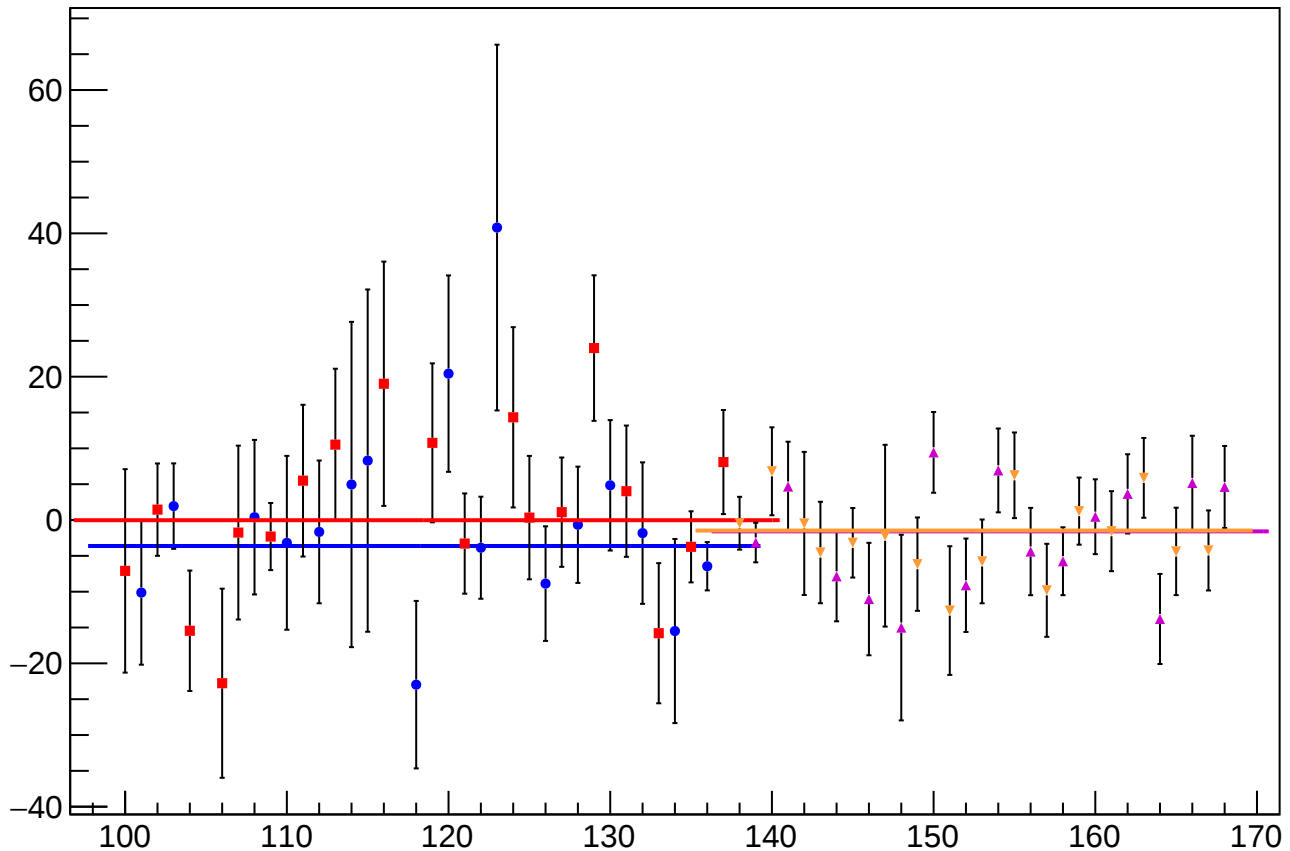
Left In: 31269.914+/-6.635 χ^2/NDF : 1062591.7/14

+ sign 29608.398+/-4.948 χ^2/NDF : 1073746.5/32

All: 29928.165+/-3.526 χ^2/NDF : 2310606.8/66

- sign 30258.123+/-5.026 χ^2/NDF : 1228374.5/33

diff_bpm12Y_mean vs Slug



Right In: -3.625 ± 2.006 χ^2/NDF : 13.7/16

Left Out: -1.468 ± 1.467 χ^2/NDF : 10.7/15

Right Out: -0.027 ± 1.890 χ^2/NDF : 22.1/18

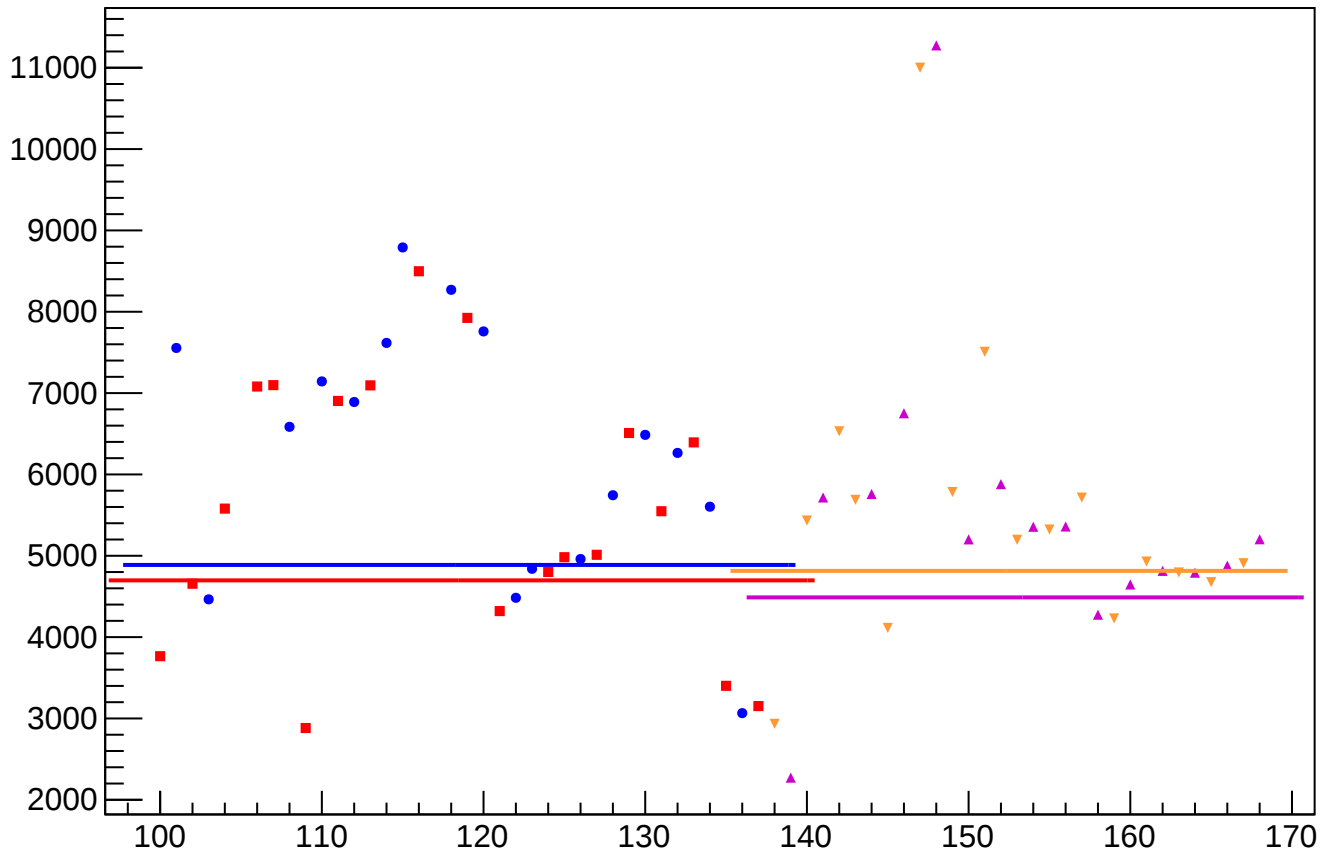
Left In: -1.584 ± 1.403 χ^2/NDF : 20.2/14

+ sign -2.219 ± 1.184 χ^2/NDF : 25.2/32

All: -1.596 ± 0.816 χ^2/NDF : 68.4/66

- sign -1.031 ± 1.126 χ^2/NDF : 42.7/33

diff_bpm12Y_rms vs Slug



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

Left Out: 4814.487+/-1.037 χ^2/NDF : 1468278.0/15

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

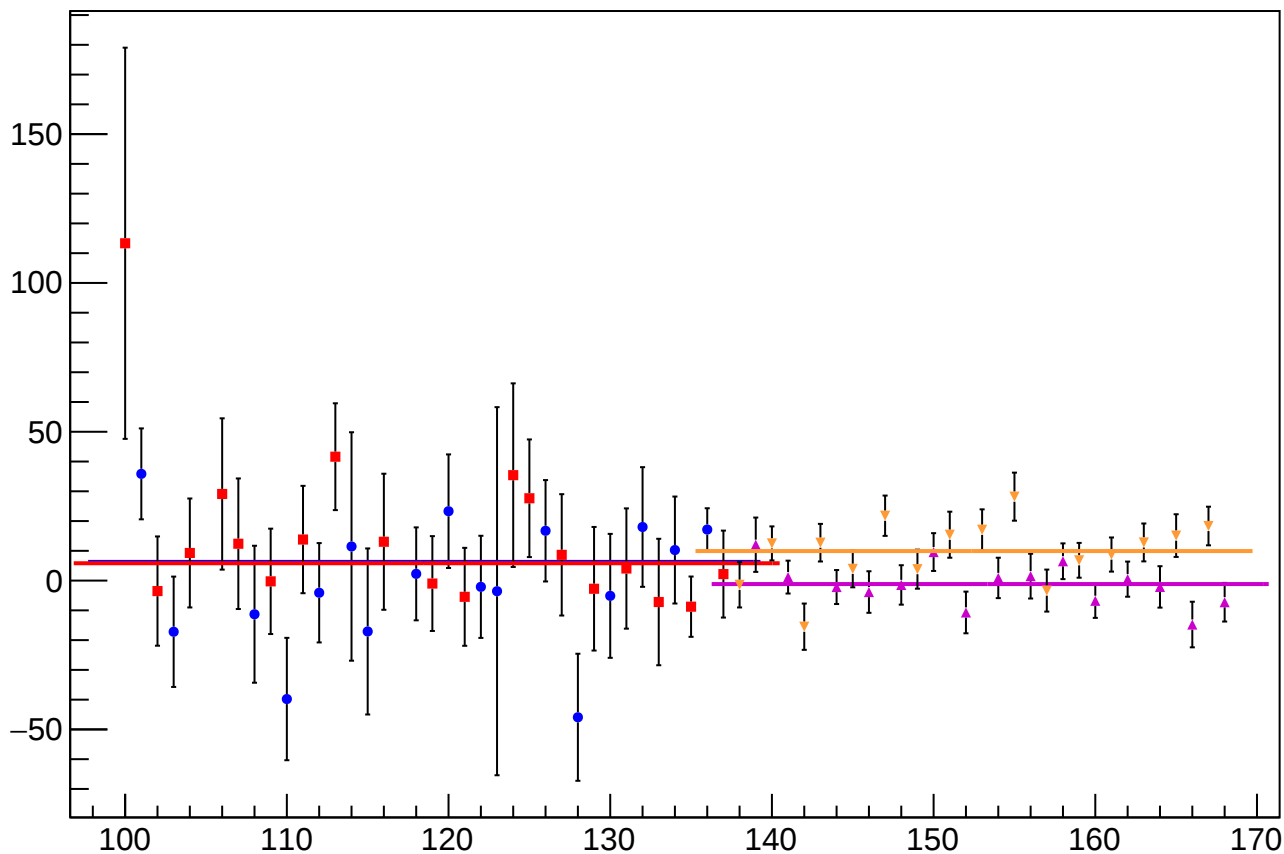
Left In: 4488.243+/-0.992 χ^2/NDF : 2426766.6/14

+ sign 4839.925+/-0.837 χ^2/NDF : 2879302.1/32

All: 4694.364+/-0.577 χ^2/NDF : 6692624.1/60

- sign 4562.637+/-0.796 χ^2/NDF : 3755732.8/33

diff_bpm16X_mean vs Slug



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

Left Out: 9.923 ± 1.663 χ^2/NDF : 31.2/15

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

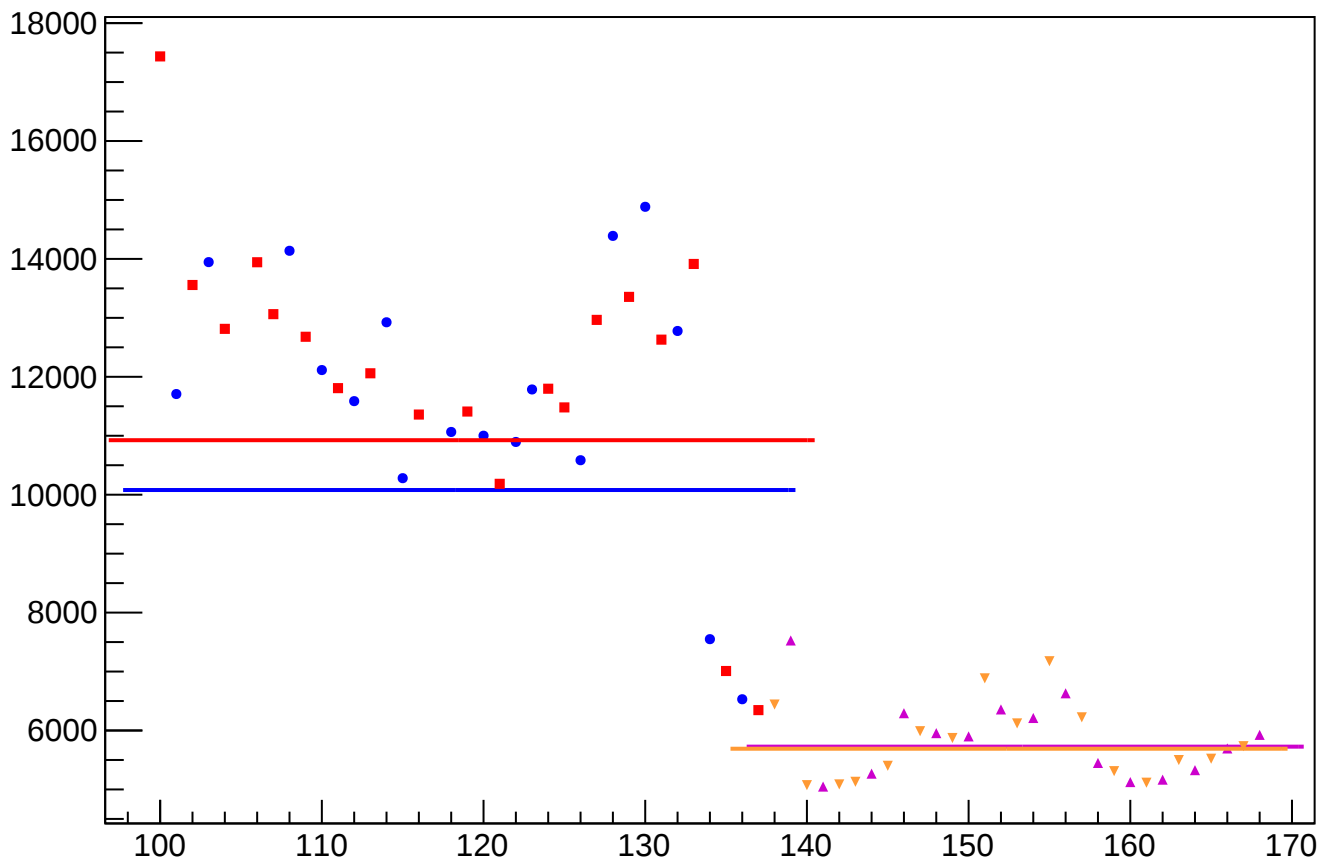
Left In: -1.165 ± 1.686 χ^2/NDF : 14.1/14

+ sign 9.400 ± 1.539 χ^2/NDF : 54.4/32

All: 4.681 ± 1.098 χ^2/NDF : 103.8/66

- sign -0.202 ± 1.566 χ^2/NDF : 30.3/33

diff_bpm16X_rms vs Slug



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

Left Out: 5690.782 $\pm$ 1.176 χ^2 /NDF:246629.5/15

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

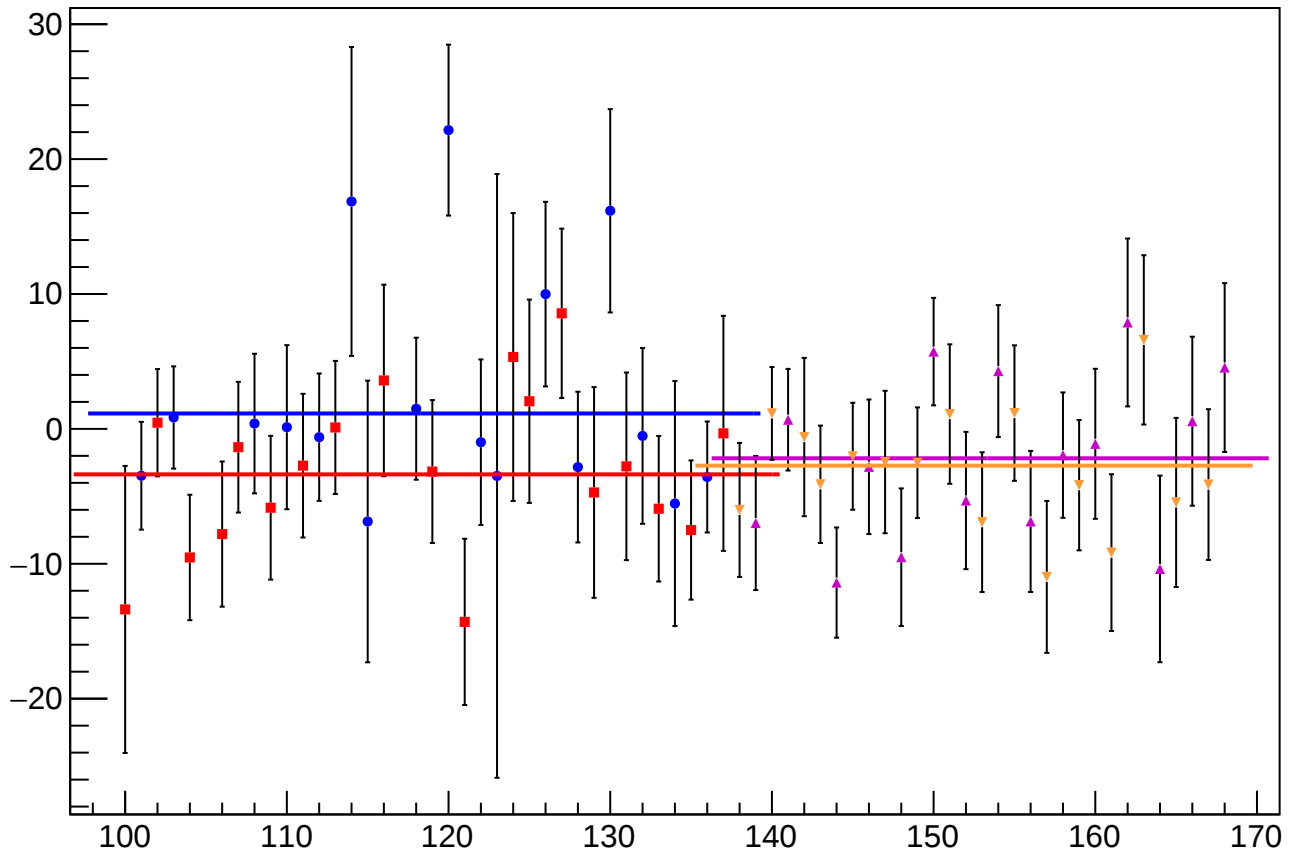
Left In: 5726.029 $\pm$ 1.192 χ^2 /NDF:246150.6/14

+ sign 6320.474 $\pm$ 1.089 χ^2 /NDF: 3238865.5/32

All: 6380.282 $\pm$ 0.776 χ^2 /NDF: 6877670.7/60

- sign 6442.166 $\pm$ 1.107 χ^2 /NDF: 3632663.2/33

diff_bpm16Y_mean vs Slug



Right In: 1.142 ± 1.395 χ^2/NDF : 23.2/16

Left Out: -2.725 ± 1.225 χ^2/NDF : 9.7/15

Right Out: -3.371 ± 1.333 χ^2/NDF : 15.1/18

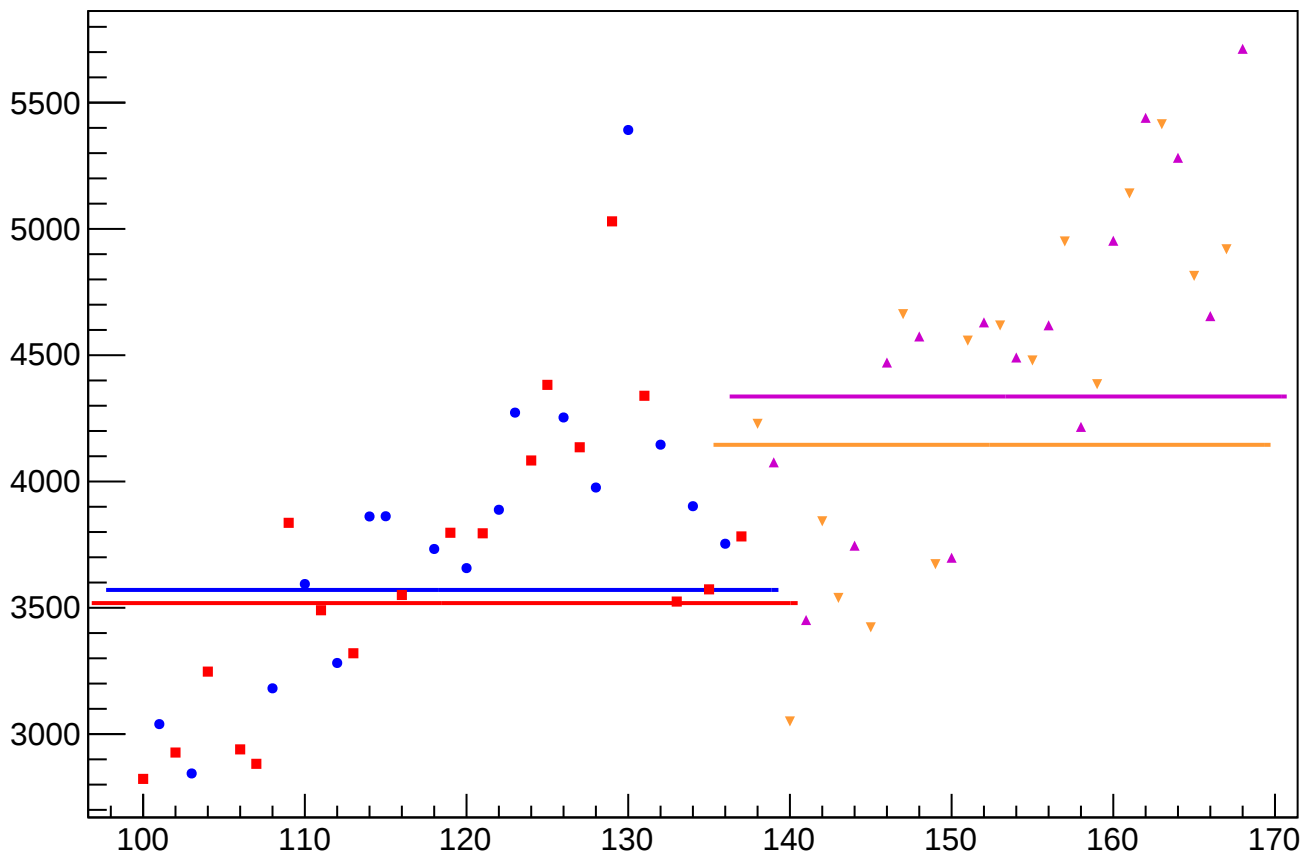
Left In: -2.179 ± 1.285 χ^2/NDF : 21.0/14

+ sign -1.042 ± 0.920 χ^2/NDF : 37.3/32

All: -1.893 ± 0.652 χ^2/NDF : 75.4/66

- sign -2.753 ± 0.925 χ^2/NDF : 36.5/33

diff_bpm16Y_rms vs Slug



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

Left Out: 4145.225+/-0.866 χ^2/NDF : 644990.7/15

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

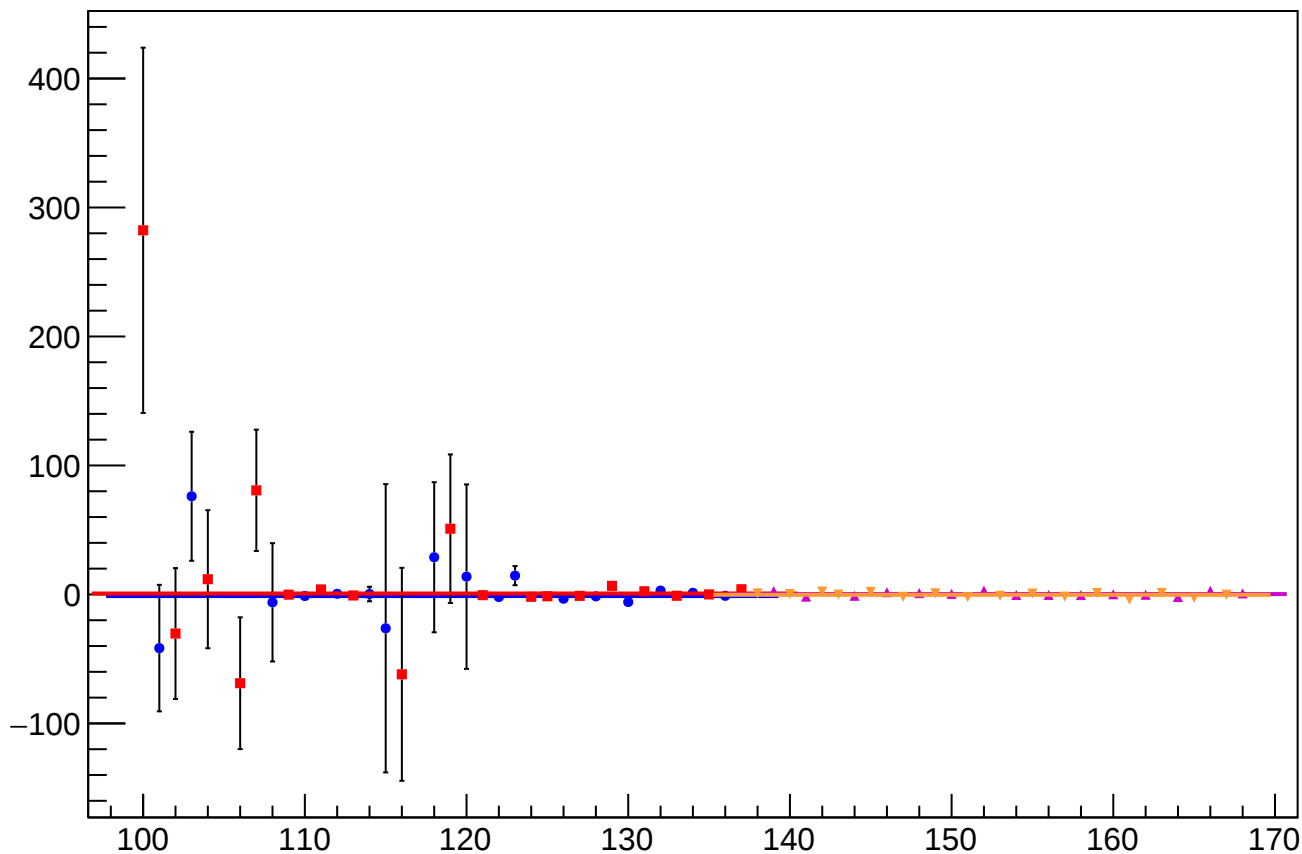
Left In: 4336.535+/-0.908 χ^2/NDF : 457333.9/14

+ sign 3895.231+/-0.651 χ^2/NDF : 1146118.7/32

All: 3918.846+/-0.461 χ^2/NDF : 2289657.5/66

- sign 3942.704+/-0.654 χ^2/NDF : 1140891.7/33

diff_bpm1p02bX_mean vs Slug



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

Left Out: -0.273 ± 0.307 χ^2/NDF : 29.8/15

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

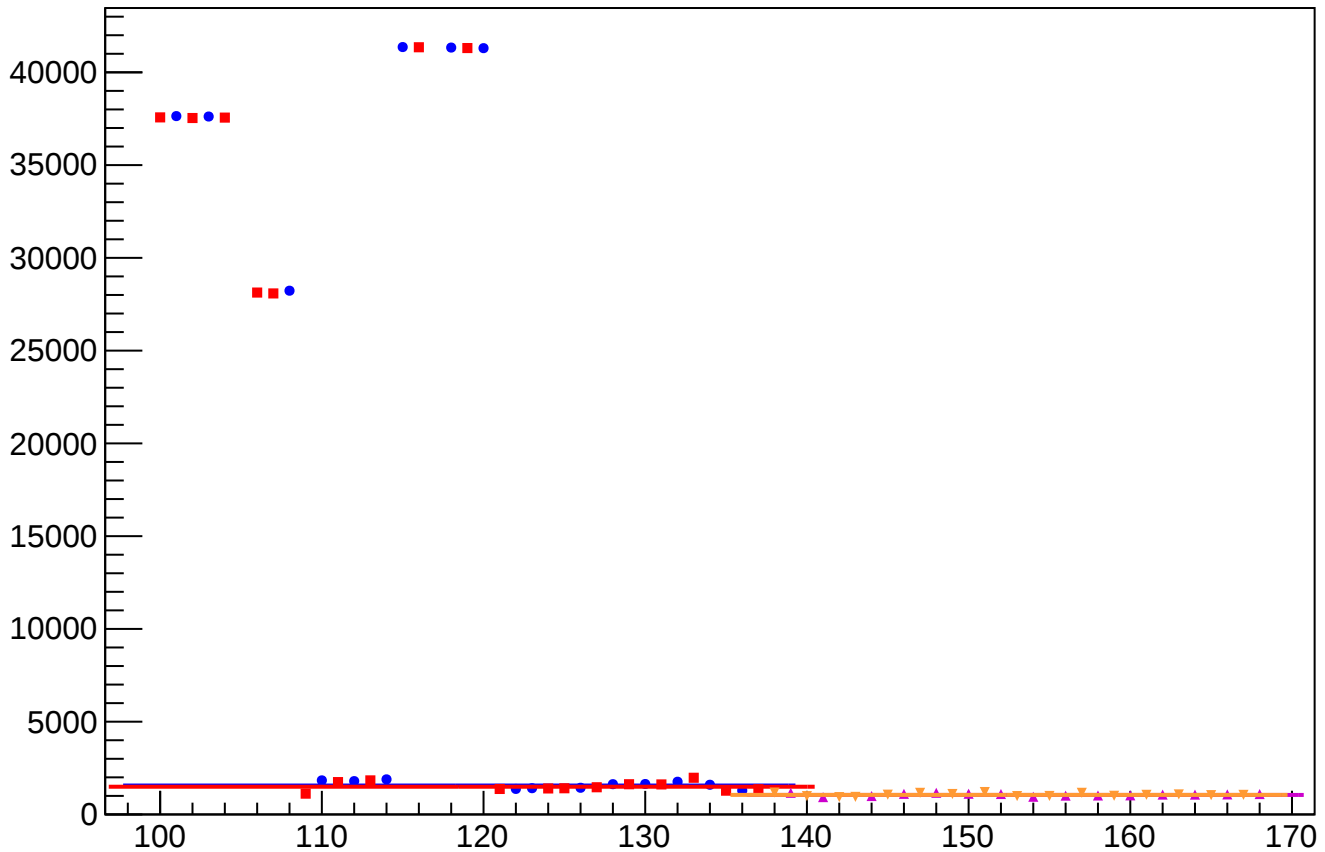
Left In: 0.276 ± 0.309 χ^2/NDF : 22.2/14

+ sign -0.416 ± 0.284 χ^2/NDF : 47.6/32

All: -0.032 ± 0.201 χ^2/NDF : 95.8/66

- sign 0.349 ± 0.283 χ^2/NDF : 44.6/33

diff_bpm1p02bX_rms vs Slug



Right In: 1558.988 ± 0.529 χ^2/NDF : 4753669.7/16

Left Out: 1054.422 ± 0.217 χ^2/NDF : 129624.8/15

Right Out: 1494.619 ± 0.502 χ^2/NDF : 4892920.0/18

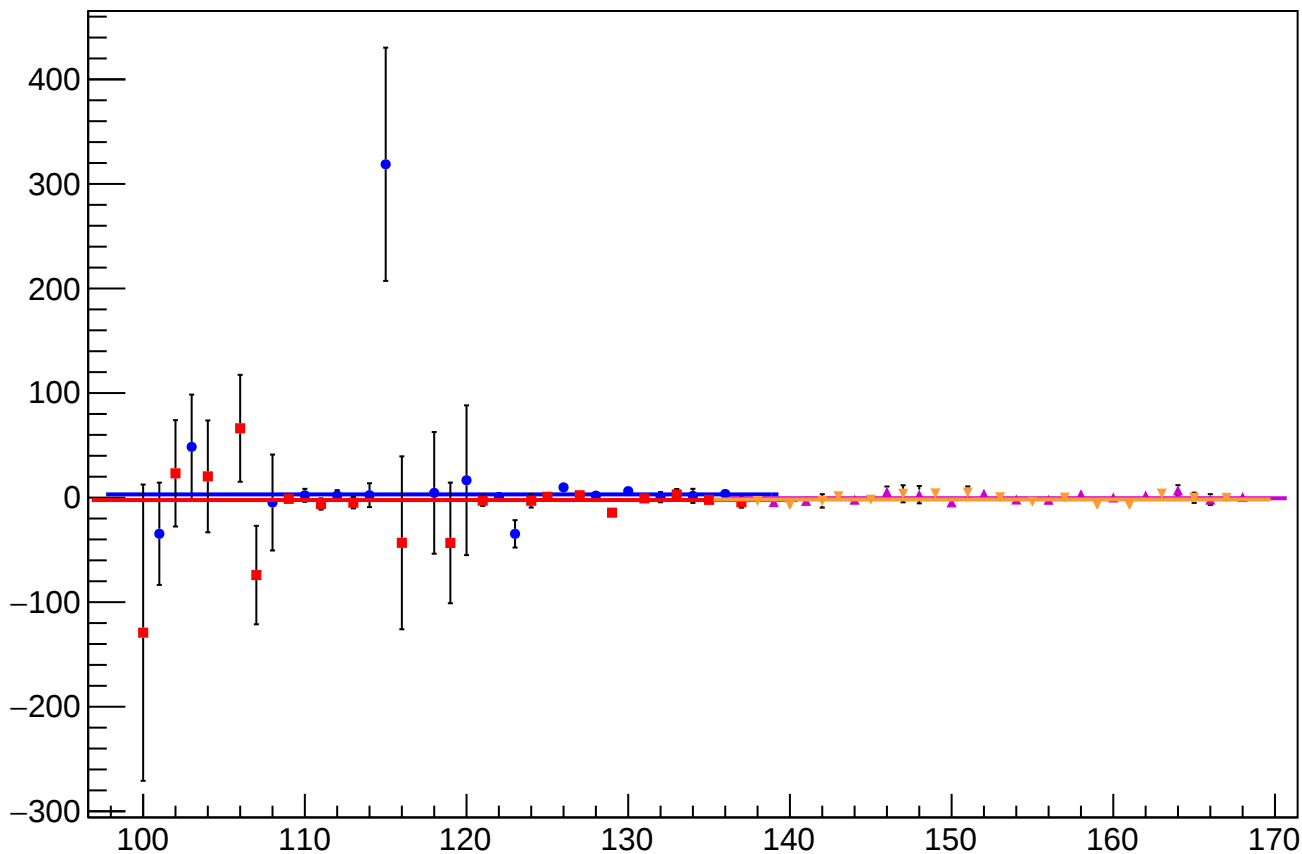
Left In: 1051.665 ± 0.218 χ^2/NDF : 101914.9/14

+ sign 1127.198 ± 0.201 χ^2/NDF : 5662373.2/32

All: 1124.640 ± 0.142 χ^2/NDF : 11311666.8/6

- sign 1122.096 ± 0.200 χ^2/NDF : 5648970.0/33

diff_bpm1p02bY_mean vs Slug



Right In: 3.075+/-1.323 χ^2/NDF : 21.9/16

Left Out: -1.771+/-1.005 χ^2/NDF : 12.1/15

Right Out: -2.306+/-1.235 χ^2/NDF : 16.9/18

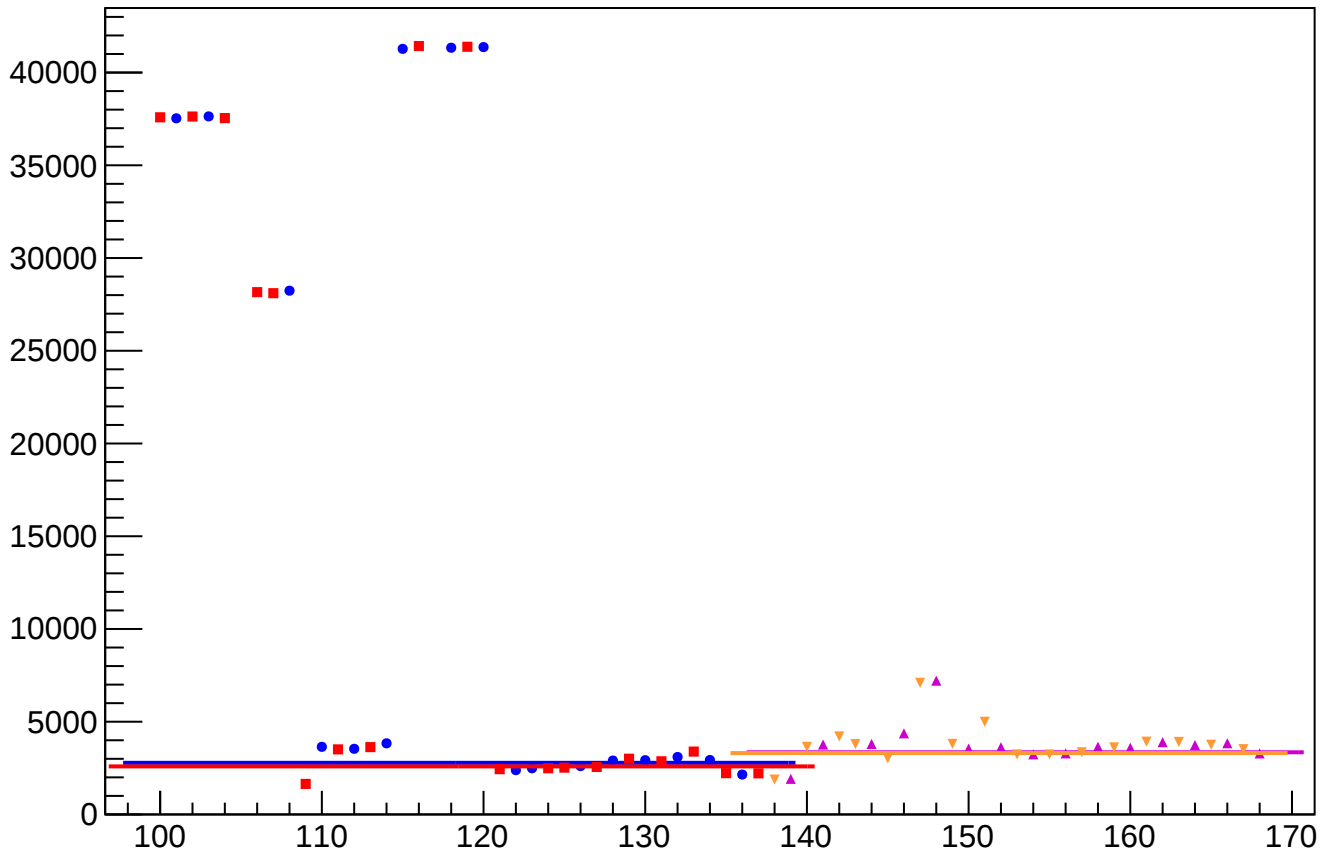
Left In: -0.611+/-1.021 χ^2/NDF : 10.7/14

+ sign 0.002+/-0.800 χ^2/NDF : 42.5/32

All: -0.660+/-0.561 χ^2/NDF : 72.6/66

- sign -1.299+/-0.787 χ^2/NDF : 28.8/33

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3308.874+/-0.711 χ^2/NDF : 1616670.1/15

+ sign 3116.848+/-0.566 χ^2/NDF : 6393662.6/32

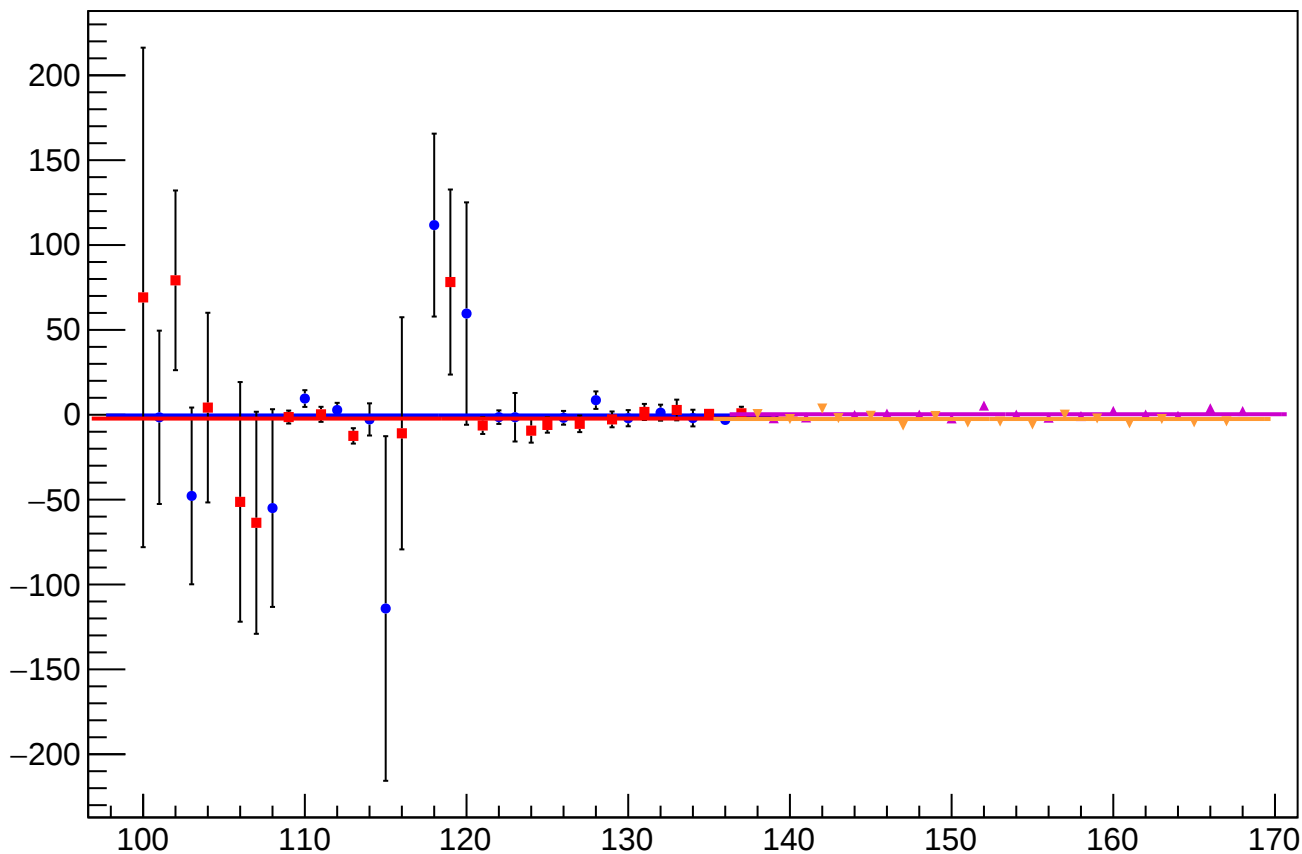
Right Out: 2591.161+/-0.873 χ^2/NDF : 4846722.1/18

All: 3079.206+/-0.397 χ^2/NDF : 13088894.2/6

Left In: 3351.716+/-0.722 χ^2/NDF : 1389013.5/14

- sign 3042.832+/-0.556 χ^2/NDF : 6686532.3/33

diff_bpm1p03aX_mean vs Slug



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

Left Out: -2.508 ± 0.483 χ^2/NDF : 24.6/15

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

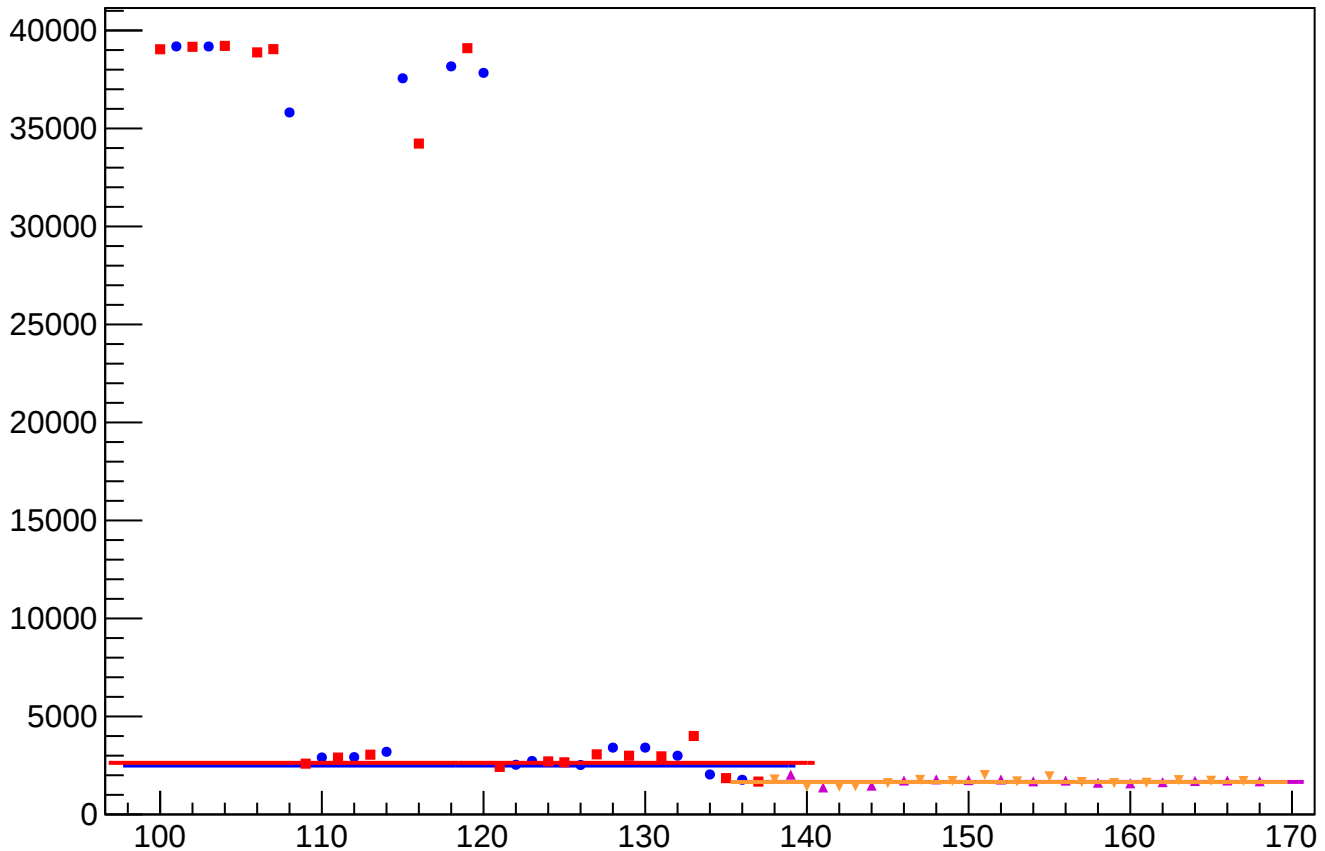
Left In: 0.311 ± 0.488 χ^2/NDF : 17.2/14

+ sign -2.222 ± 0.449 χ^2/NDF : 45.5/32

All: -1.140 ± 0.319 χ^2/NDF : 95.5/66

- sign -0.029 ± 0.455 χ^2/NDF : 38.3/33

diff_bpm1p03aX_rms vs Slug



Right In: 2495.603 ± 0.861 $\chi^2/\text{NDF}: 4882334.6/16$

Left Out: 1654.459 ± 0.341 $\chi^2/\text{NDF}: 212320.8/15$

Right Out: 2633.244 ± 0.881 $\chi^2/\text{NDF}: 4860512.6/18$

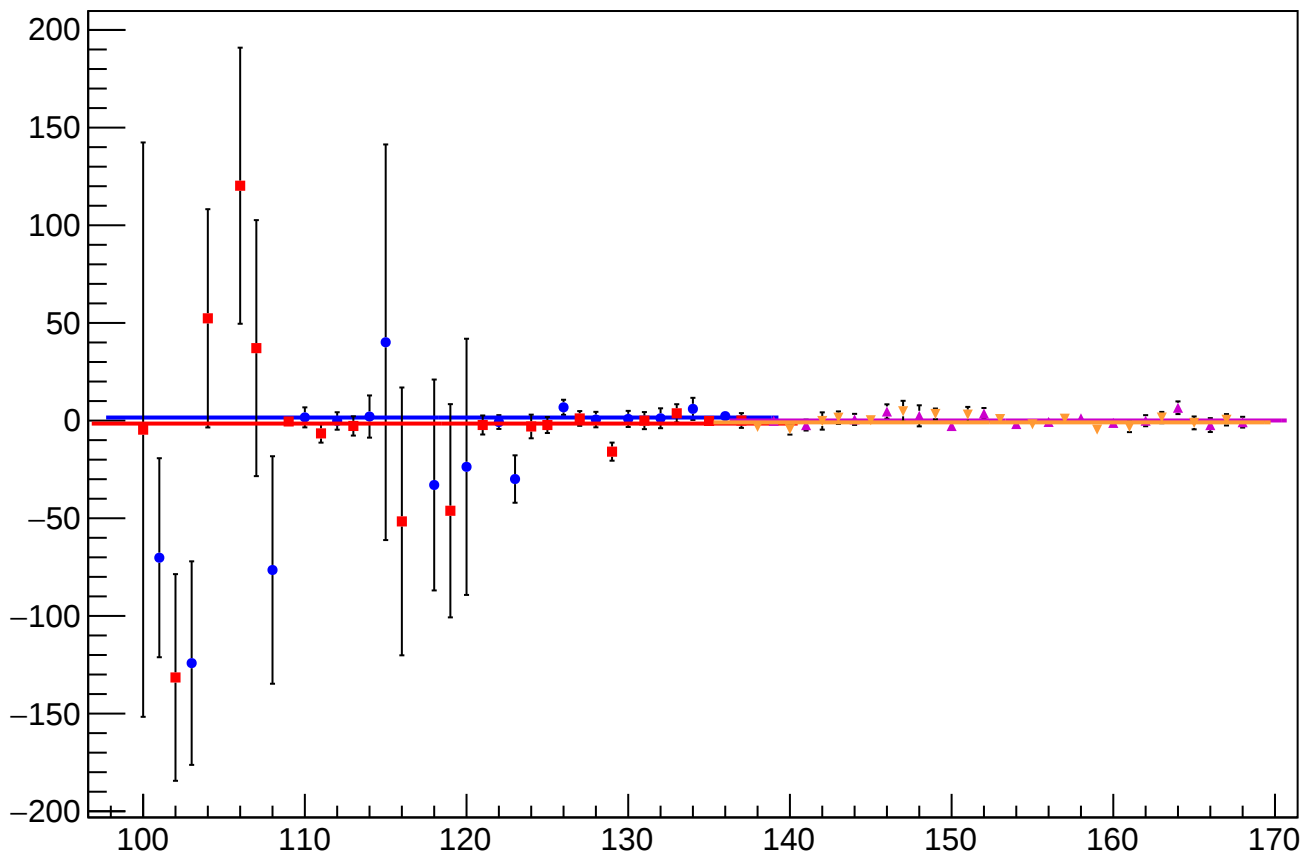
Left In: 1659.817 ± 0.345 $\chi^2/\text{NDF}: 177265.1/14$

+ sign 1768.724 ± 0.317 $\chi^2/\text{NDF}: 5919152.6/32$

All: 1778.932 ± 0.226 $\chi^2/\text{NDF}: 12017335.2/6$

- sign 1789.403 ± 0.321 $\chi^2/\text{NDF}: 6096087.1/33$

diff_bpm1p03aY_mean vs Slug



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

Left Out: -0.905 ± 0.662 χ^2/NDF : 14.8/15

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

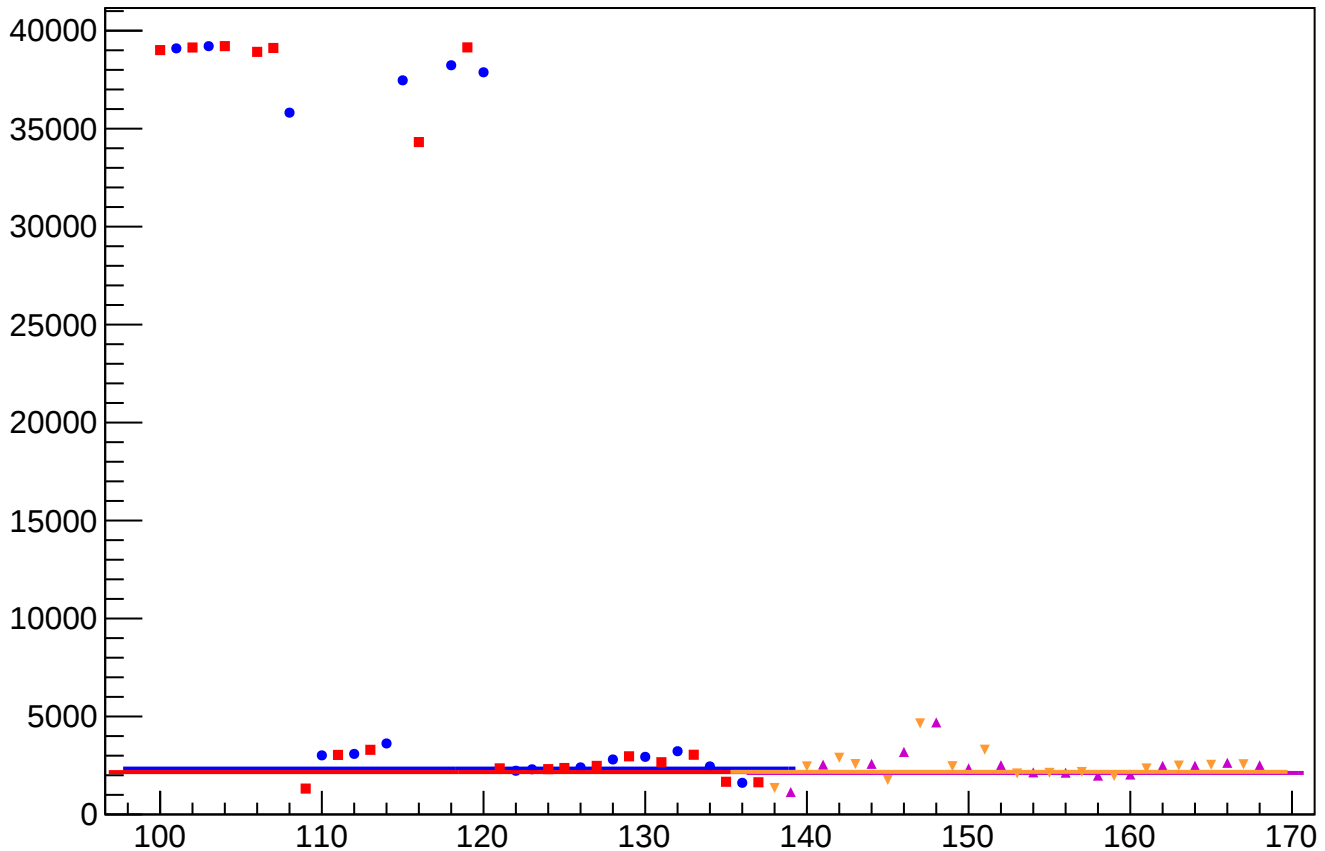
Left In: 0.062 ± 0.653 χ^2/NDF : 11.2/14

+ sign -0.281 ± 0.573 χ^2/NDF : 38.6/32

All: -0.329 ± 0.399 χ^2/NDF : 76.4/66

- sign -0.373 ± 0.557 χ^2/NDF : 37.8/33

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2175.514+/-0.468 χ^2/NDF : 1377708.8/15

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

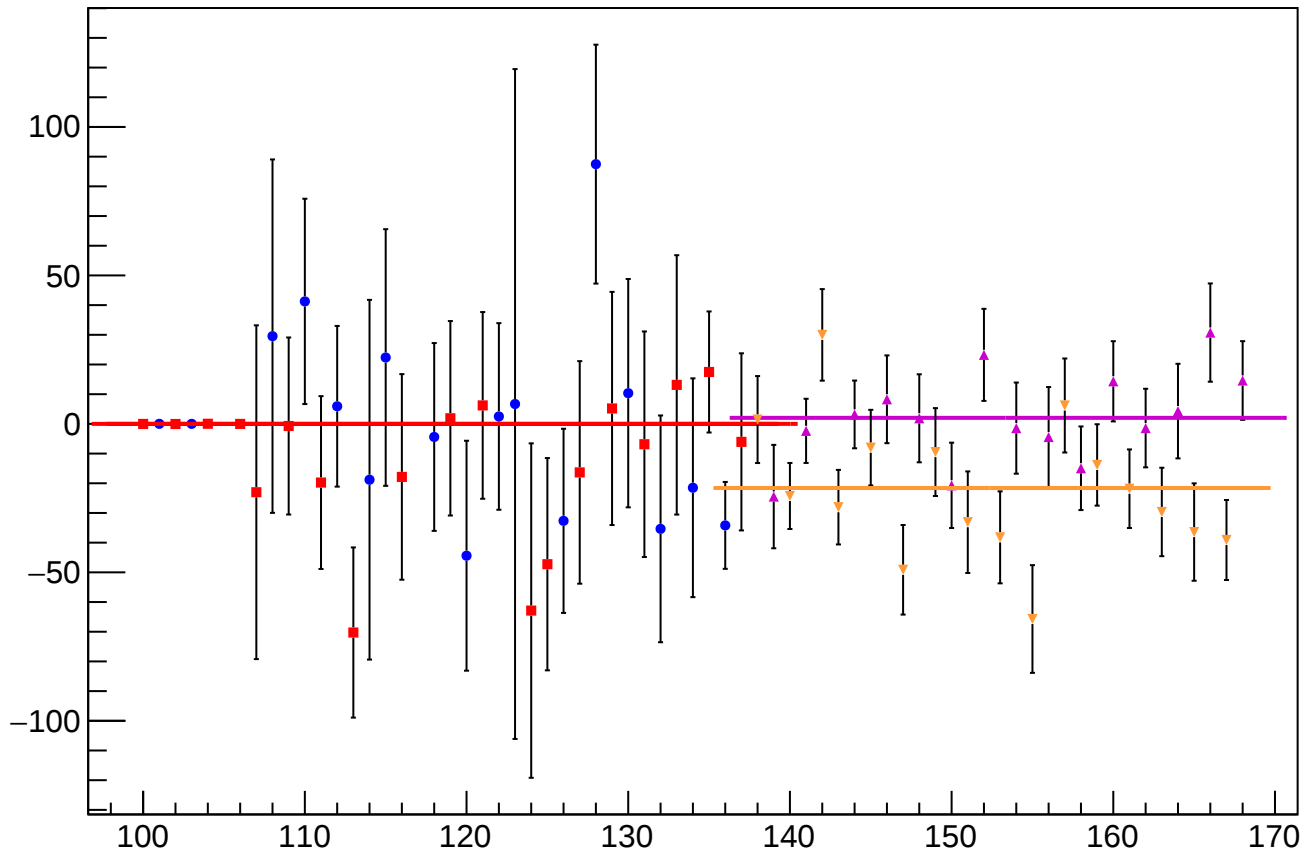
Left In: 2117.698+/-0.462 χ^2/NDF : 1919043.2/14

+ sign 2217.139+/-0.405 χ^2/NDF : 6416012.1/32

All: 2172.112+/-0.282 χ^2/NDF : 13660535.7/6

- sign 2129.632+/-0.394 χ^2/NDF : 7220522.6/33

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 16.2/16

Left Out: -21.596 ± 3.585 χ^2/NDF : 32.9/15

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.9/18

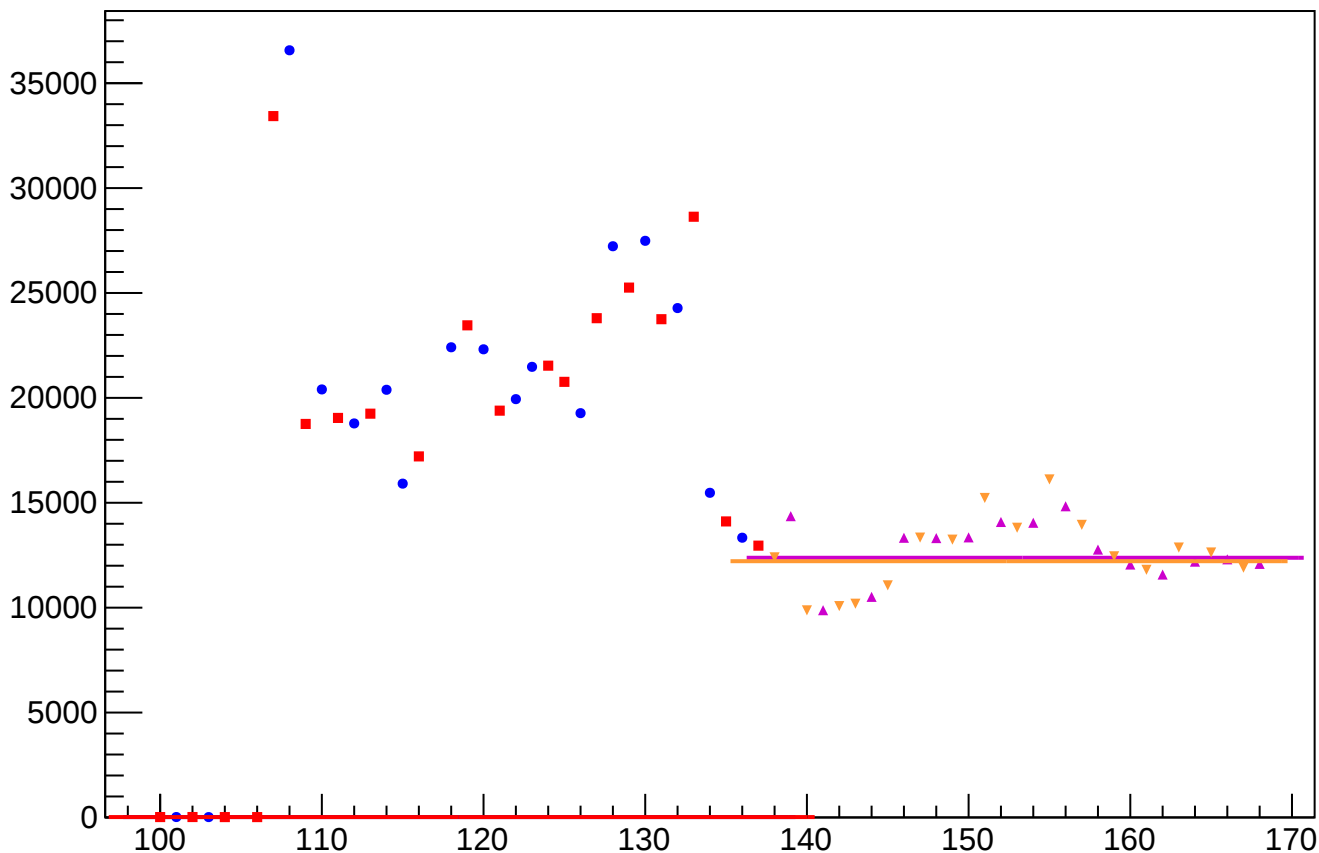
Left In: 2.035 ± 3.652 χ^2/NDF : 13.5/14

+ sign 0.013 ± 0.017 χ^2/NDF : 85.3/32

All: 0.008 ± 0.012 χ^2/NDF : 115.2/66

- sign 0.003 ± 0.016 χ^2/NDF : 29.7/33

diff_cav4bX_rms vs Slug



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

Left Out: 12214.767 $\pm$ 2.535 χ^2 /NDF: 425187.5/15

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

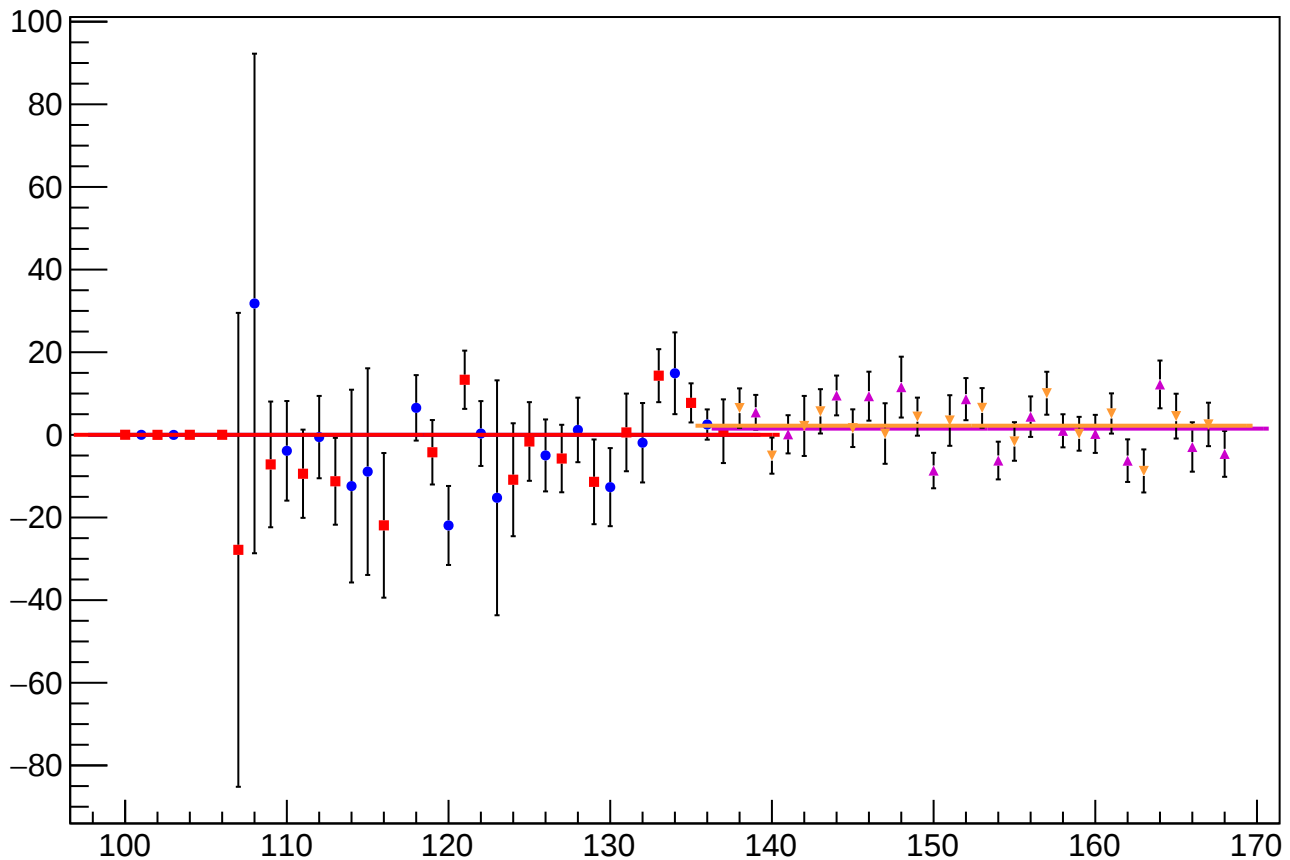
Left In: 12378.315 $\pm$ 2.582 χ^2 /NDF: 313394.4/14

+ sign 18.927 $\pm$ 0.012 χ^2 /NDF: 34553803.2/32

All: 18.725 $\pm$ 0.008 χ^2 /NDF: 68889631.1/66

- sign 18.551 $\pm$ 0.011 χ^2 /NDF: 34335322.1/33

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 13.0/16

Left Out: 2.217 $\pm$ 1.264 χ^2 /NDF:13.3/15

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.6/18

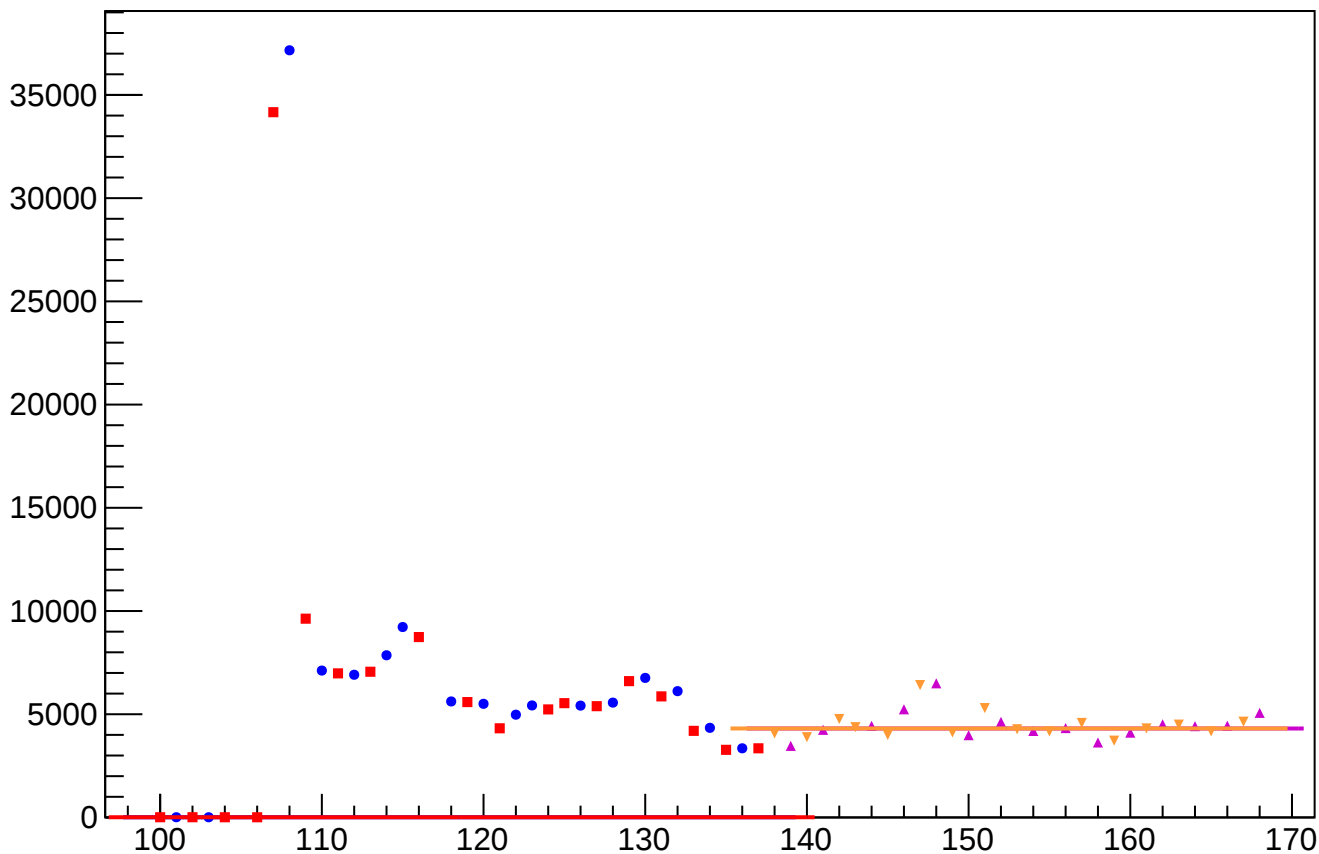
Left In: 1.509 $\pm$ 1.277 χ^2 /NDF:25.7/14

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 29.4/32

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 76.1/66

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 45.6/33

diff_cav4bY_rms vs Slug



Right In: 9.939 $\pm$ 0.007 χ^2 /NDF: 11114526.8/16

Left Out: 4310.627 $\pm$ 0.894 χ^2 /NDF: 322241.9/15

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11159992.3/18

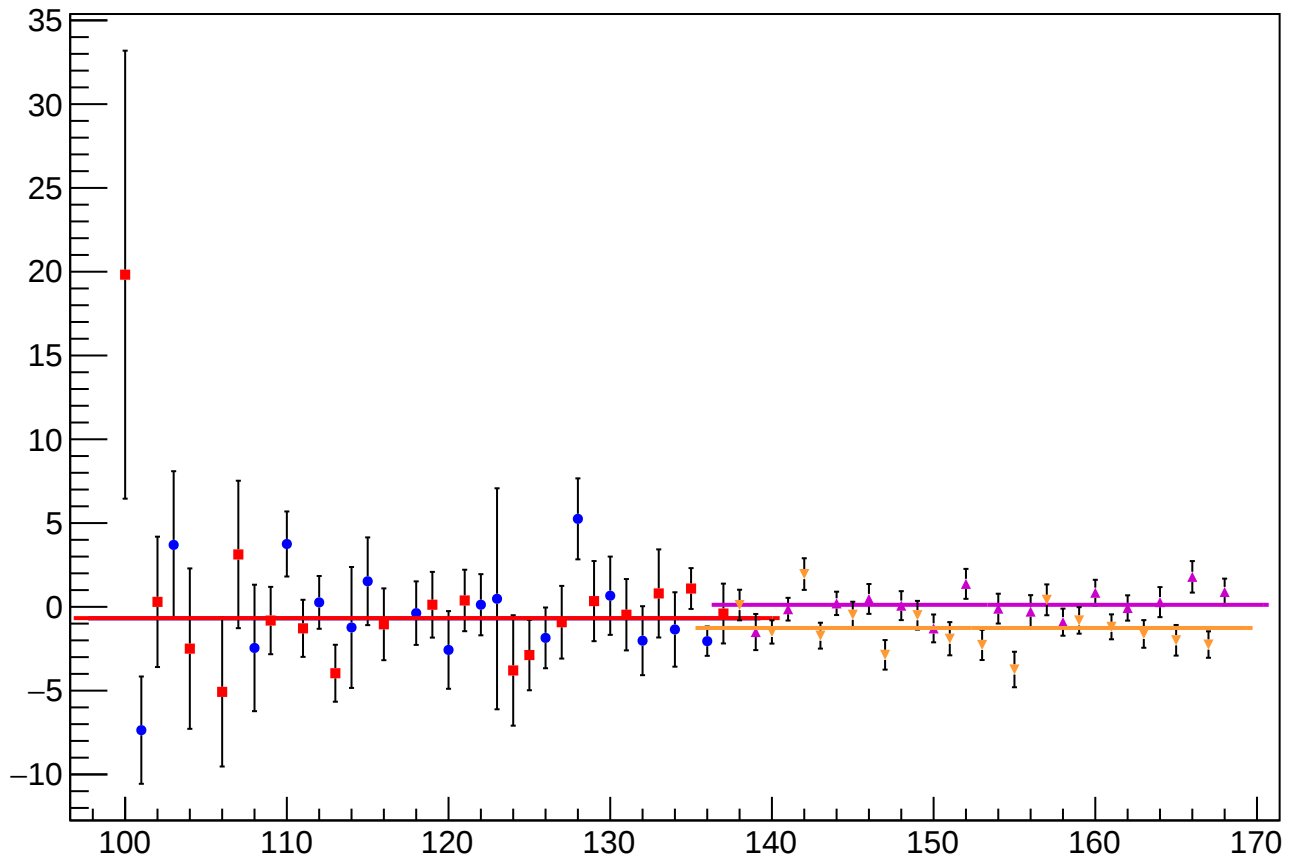
Left In: 4308.899 $\pm$ 0.903 χ^2 /NDF: 431077.8/14

+ sign 10.167 $\pm$ 0.007 χ^2 /NDF: 34590313.5/32

All: 10.106 $\pm$ 0.004 χ^2 /NDF: 68836791.1/66

- sign 10.052 $\pm$ 0.006 χ^2 /NDF: 34246310.6/33

diff_cav4cX_mean vs Slug



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

Left Out: -1.260 ± 0.211 χ^2/NDF : 32.7/15

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

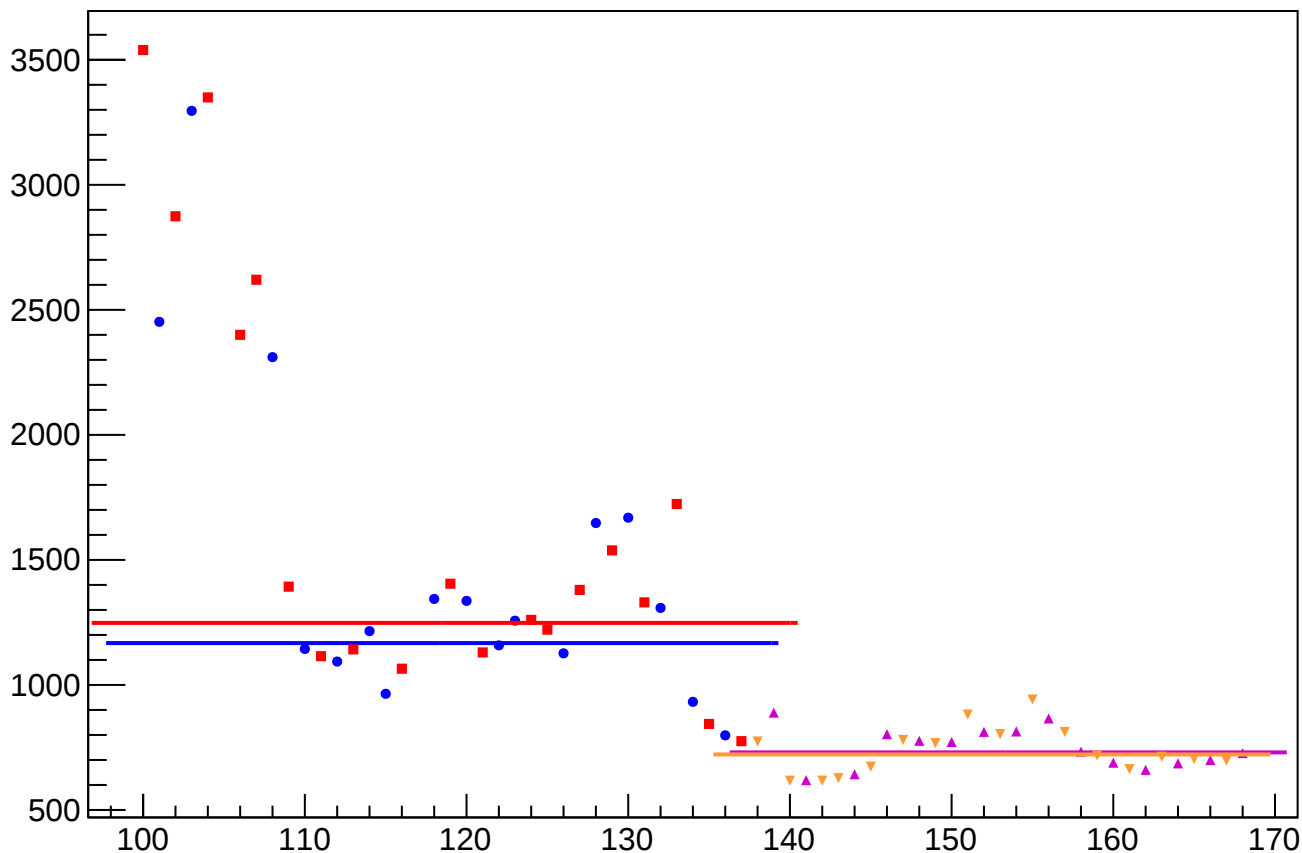
Left In: 0.121 ± 0.215 χ^2/NDF : 14.3/14

+ sign -1.168 ± 0.194 χ^2/NDF : 56.4/32

All: -0.597 ± 0.138 χ^2/NDF : 103.9/66

- sign -0.002 ± 0.198 χ^2/NDF : 29.8/33

diff_cav4cX_rms vs Slug



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

Left Out: 722.052 $\pm$ 0.149 χ^2 /NDF: 317616.6/15

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

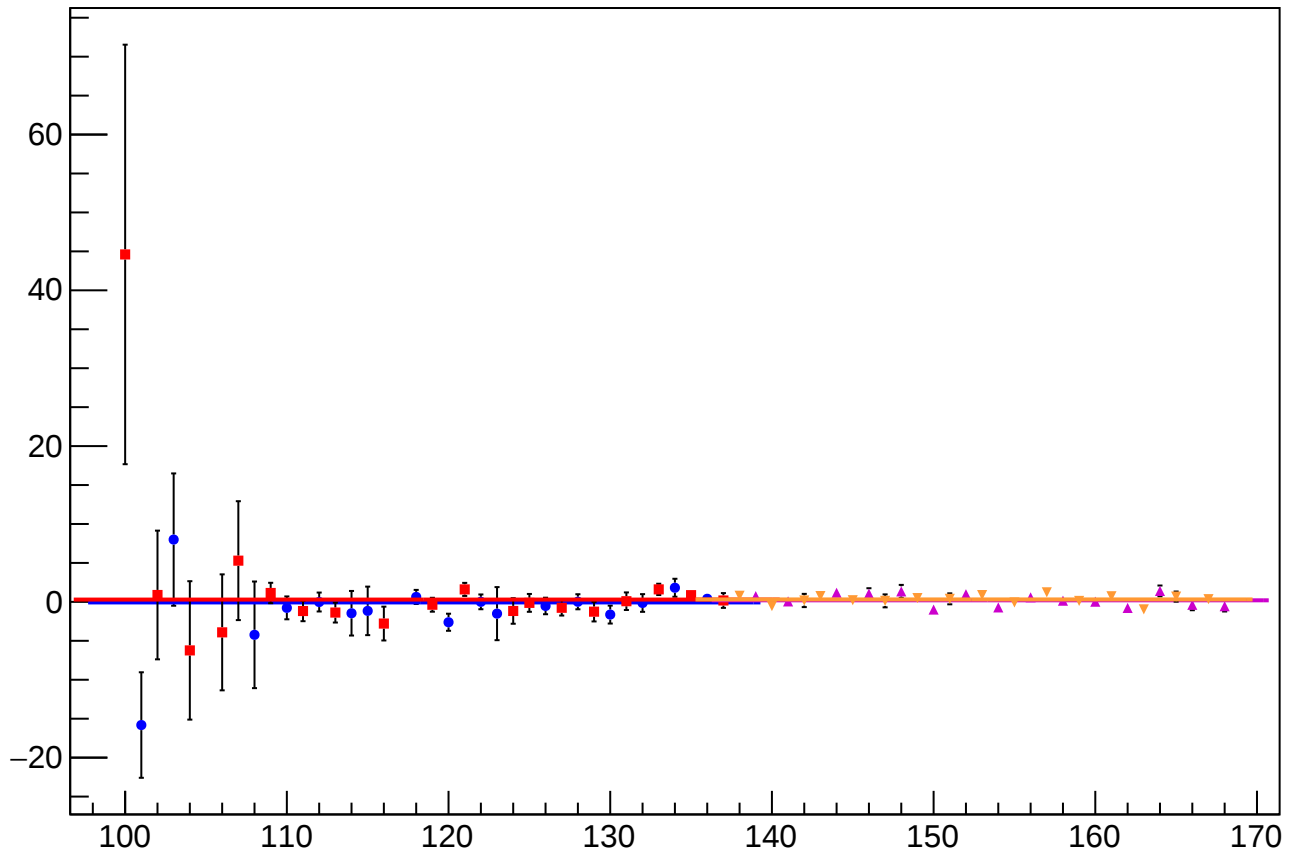
Left In: 730.264 $\pm$ 0.152 χ^2 /NDF: 255207.9/14

+ sign 793.804 $\pm$ 0.137 χ^2 /NDF: 3326618.5/32

All: 802.208 $\pm$ 0.098 χ^2 /NDF: 7050626.1/66

- sign 810.969 $\pm$ 0.140 χ^2 /NDF: 3716307.6/33

diff_cav4cY_mean vs Slug



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

Left Out: 0.312 ± 0.151 χ^2/NDF : 12.6/15

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

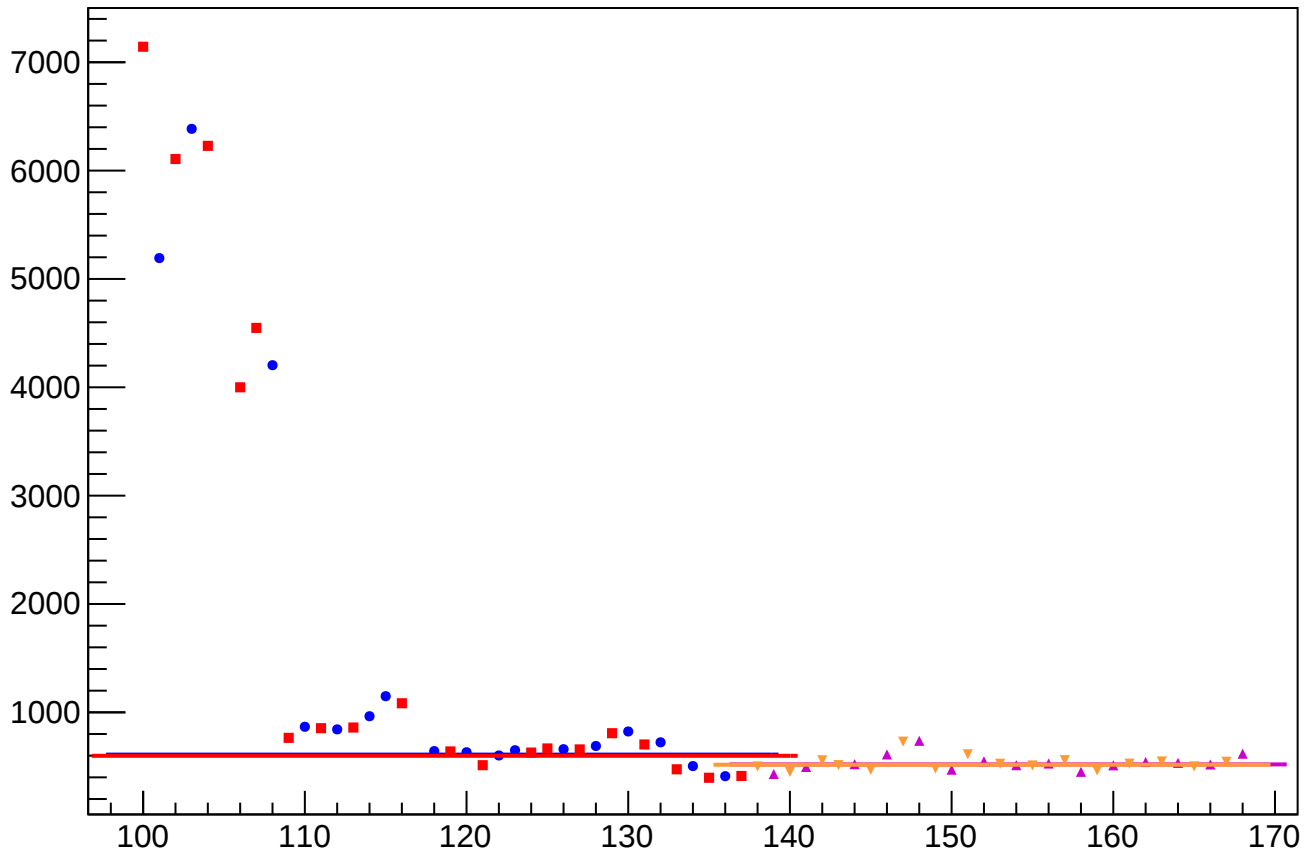
Left In: 0.199 ± 0.154 χ^2/NDF : 25.3/14

+ sign 0.219 ± 0.132 χ^2/NDF : 33.4/32

All: 0.221 ± 0.094 χ^2/NDF : 79.0/66

- sign 0.223 ± 0.133 χ^2/NDF : 45.6/33

diff_cav4cY_rms vs Slug



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

Left Out: 516.608 $\pm$ 0.107 χ^2 /NDF: 273073.8/15

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

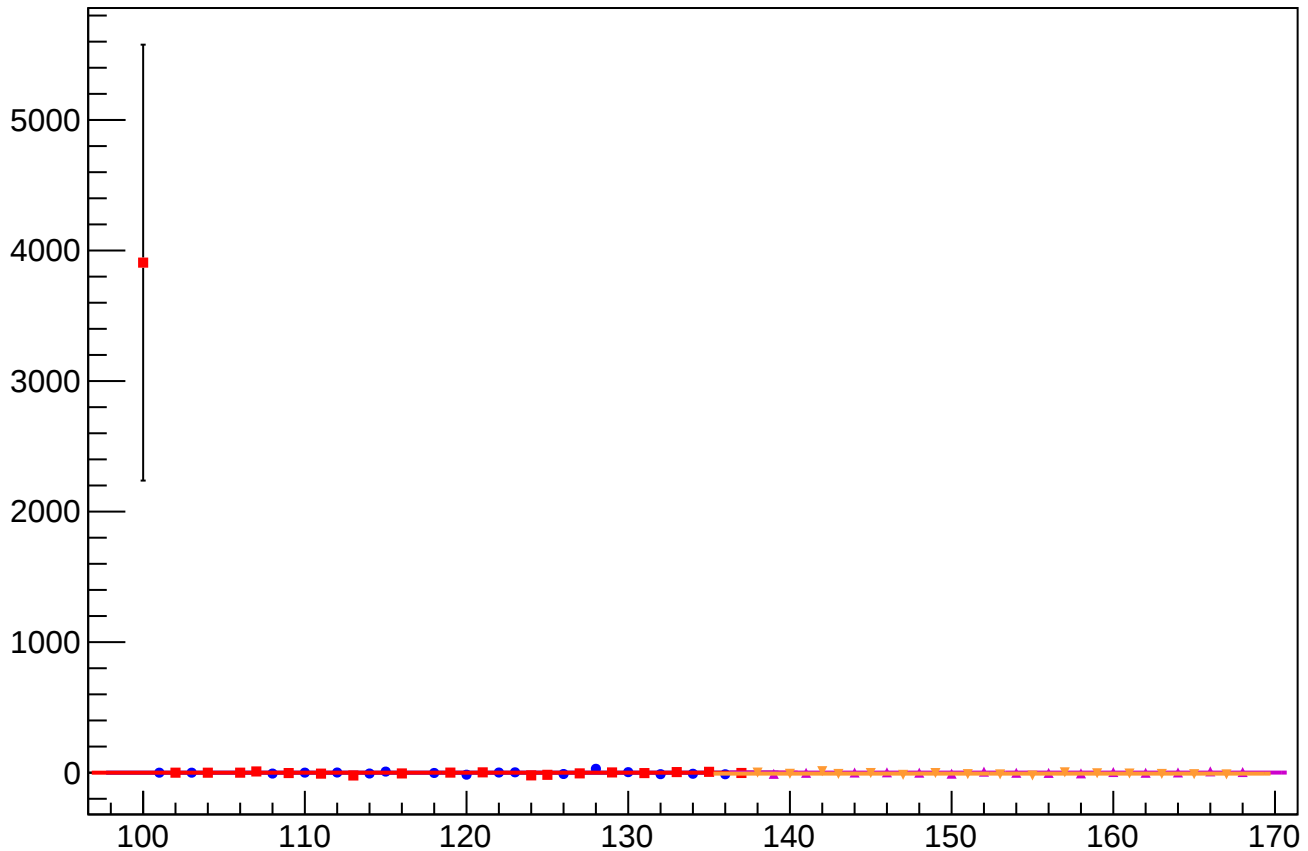
Left In: 519.488 $\pm$ 0.109 χ^2 /NDF: 340510.0/14

+ sign 539.039 $\pm$ 0.093 χ^2 /NDF: 3591792.3/32

All: 539.326 $\pm$ 0.066 χ^2 /NDF: 7620363.7/66

- sign 539.617 $\pm$ 0.094 χ^2 /NDF: 4028552.2/33

diff_cav4dX_mean vs Slug



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

Left Out: -7.282 ± 1.232 χ^2/NDF : 32.9/15

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

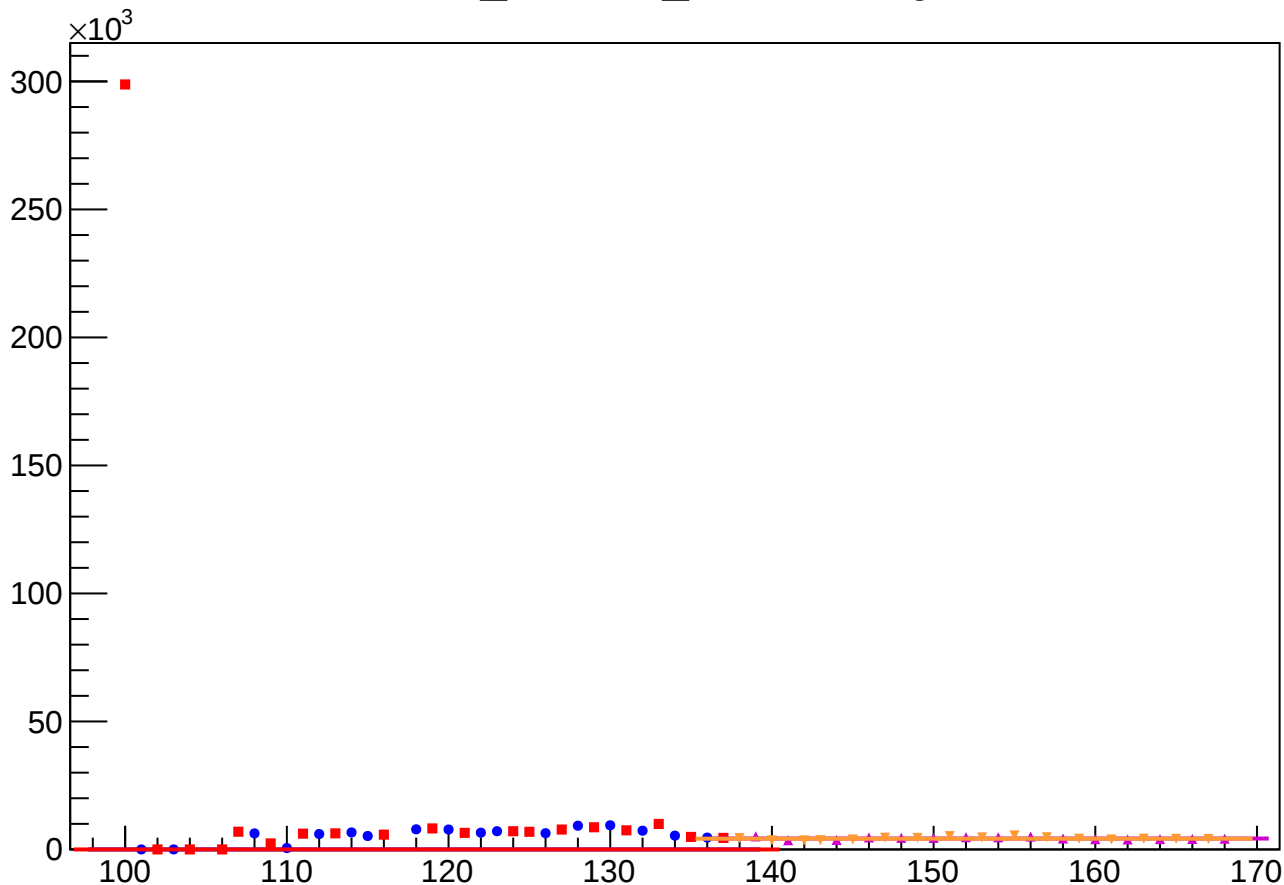
Left In: 0.720 ± 1.255 χ^2/NDF : 14.0/14

+ sign -0.024 ± 0.021 χ^2/NDF : 83.2/32

All: -0.025 ± 0.014 χ^2/NDF : 115.4/66

- sign -0.026 ± 0.020 χ^2/NDF : 32.2/33

diff_cav4dX_rms vs Slug



Right In: 17.341 $\pm$ 0.015 χ^2 /NDF: 10501445.0/16

Left Out: 4207.424 $\pm$ 0.871 χ^2 /NDF: 335427.4/15

Right Out: 17.269 $\pm$ 0.014 χ^2 /NDF: 10820611.7/18

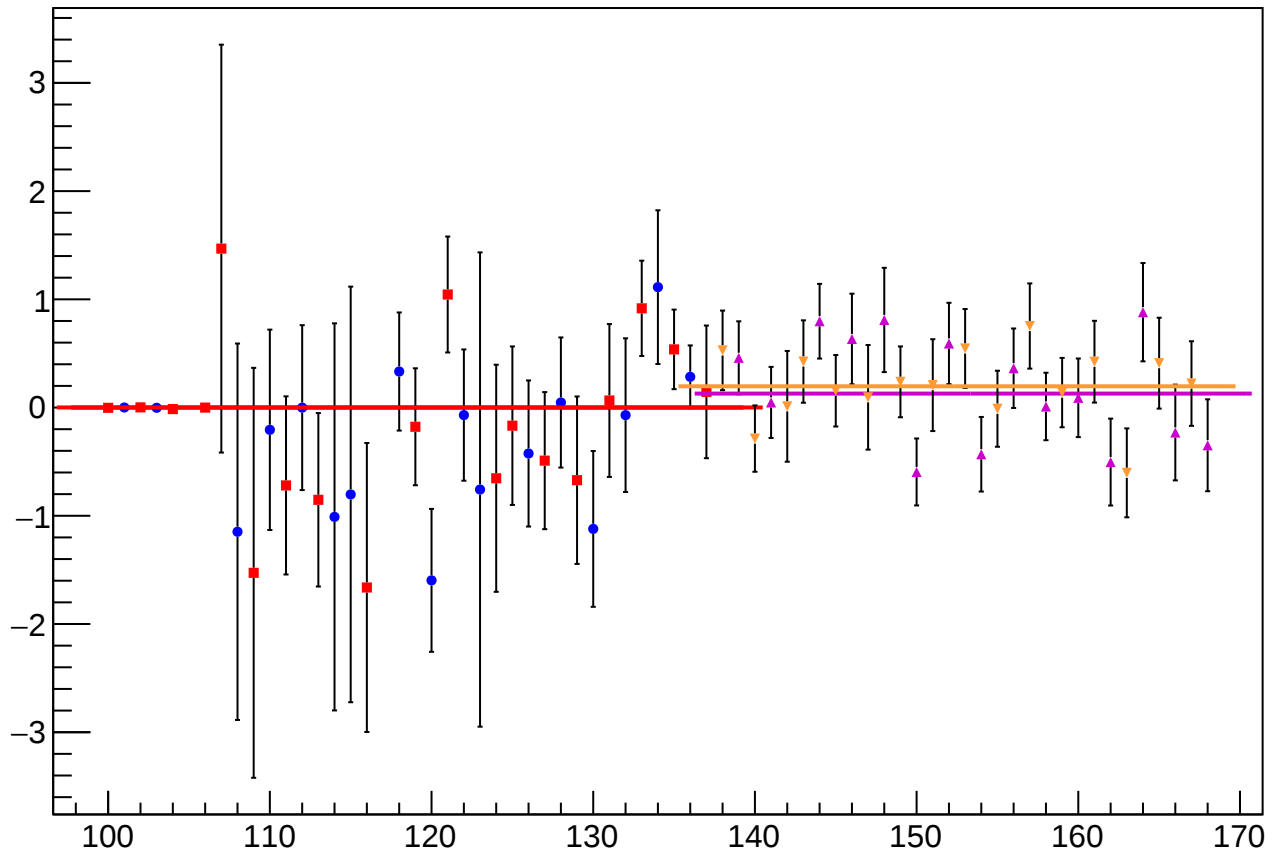
Left In: 4262.092 $\pm$ 0.888 χ^2 /NDF: 259037.6/14

+ sign 18.534 $\pm$ 0.015 χ^2 /NDF: 33960343.9/32

All: 18.422 $\pm$ 0.010 χ^2 /NDF: 67896641.0/66

- sign 18.322 $\pm$ 0.014 χ^2 /NDF: 33936187.8/33

diff_cav4dY_mean vs Slug



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

Left Out: 0.197 ± 0.094 χ^2/NDF : 11.6/15

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

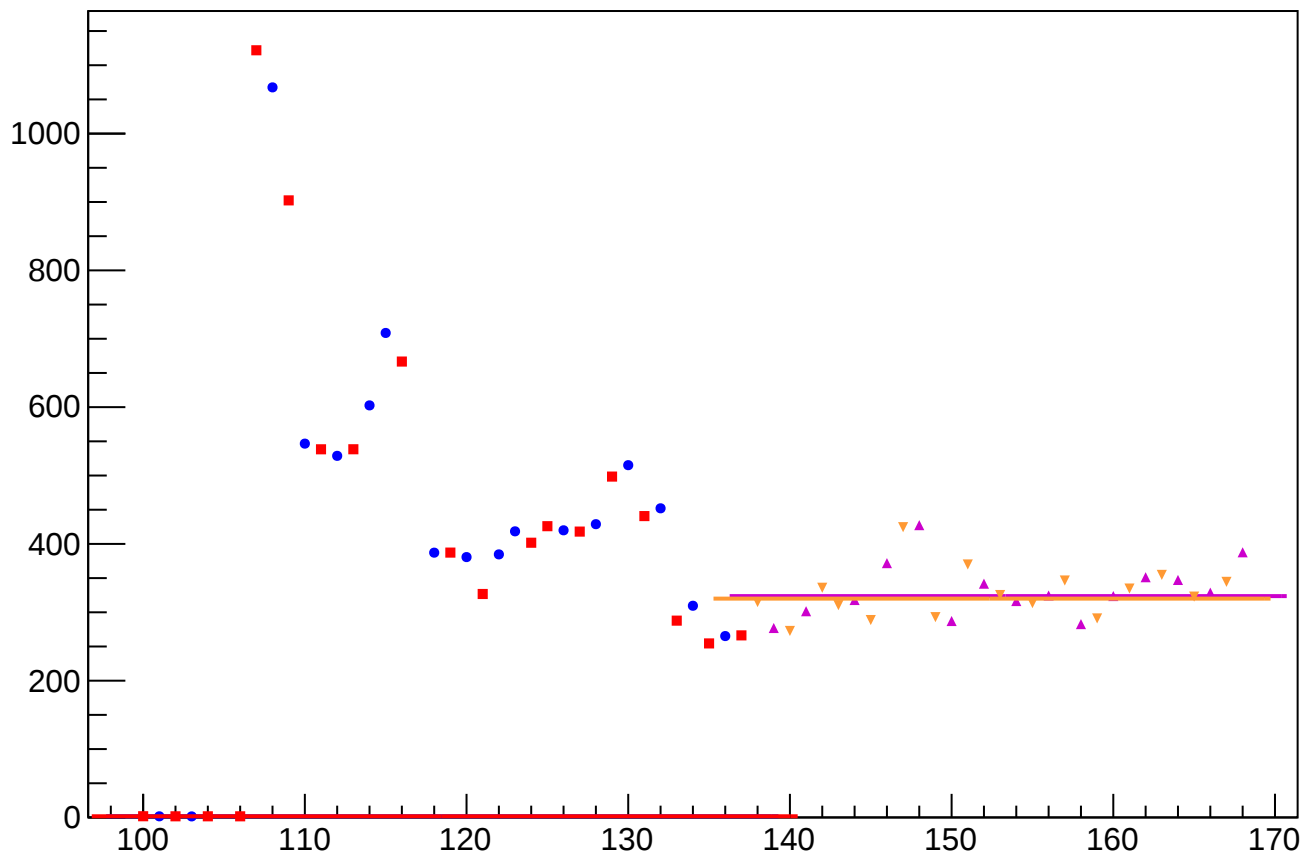
Left In: 0.129 ± 0.096 χ^2/NDF : 25.6/14

+ sign 0.000 ± 0.002 χ^2/NDF : 29.7/32

All: 0.001 ± 0.001 χ^2/NDF : 75.1/66

- sign 0.001 ± 0.002 χ^2/NDF : 45.3/33

diff_cav4dY_rms vs Slug



Right In: 1.699 $\pm$ 0.001 χ^2 /NDF: 11053026.2/16

Left Out: 320.006 $\pm$ 0.066 χ^2 /NDF: 255632.6/15

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10743910.0/18

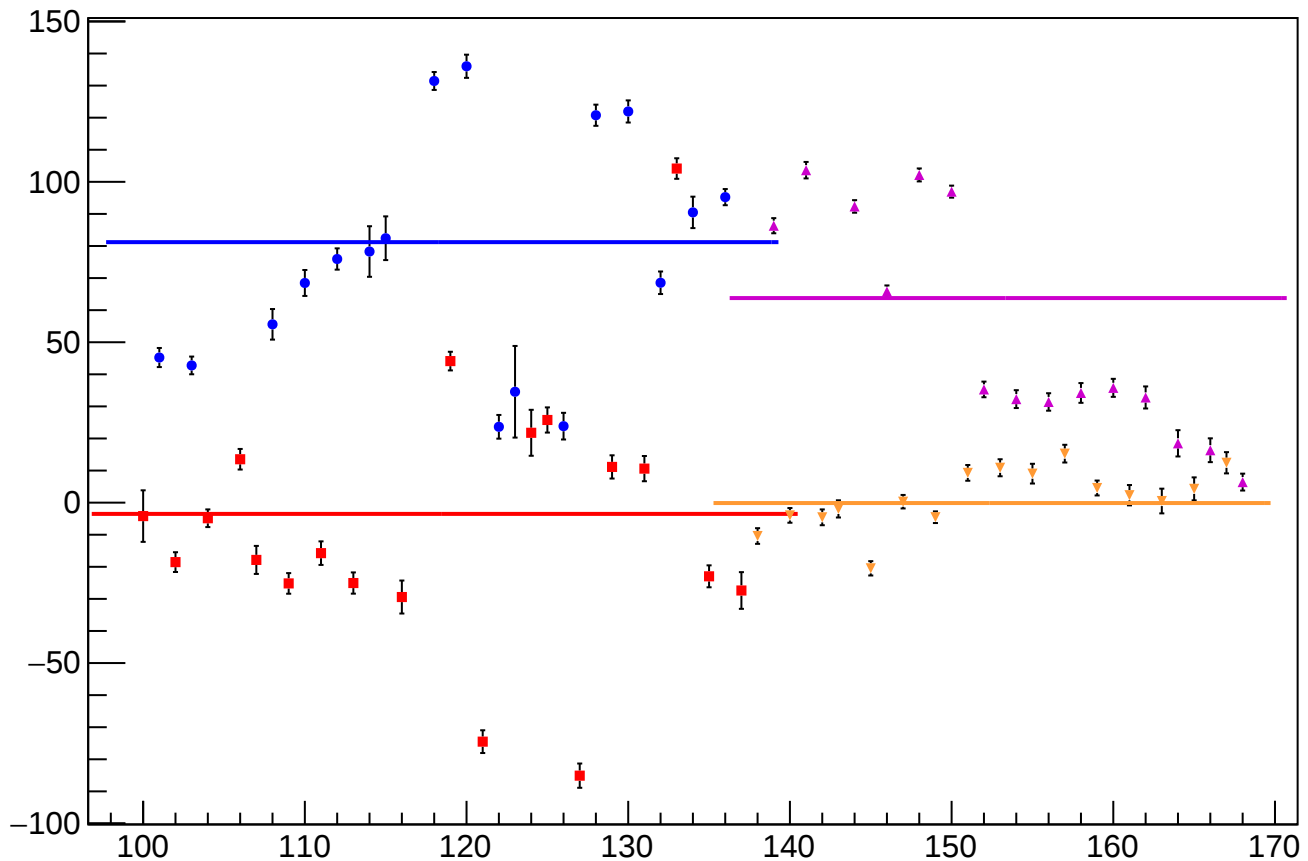
Left In: 323.681 $\pm$ 0.068 χ^2 /NDF: 295579.5/14

+ sign 1.848 $\pm$ 0.001 χ^2 /NDF: 34409766.0/32

All: 1.855 $\pm$ 0.001 χ^2 /NDF: 68124188.4/66

- sign 1.861 $\pm$ 0.001 χ^2 /NDF: 33714380.8/33

diff_bpm0i01X_mean vs Slug



Right In: 81.201 $\pm$ 0.886 χ^2 /NDF: 1709.8/16

Left Out: -0.124 $\pm$ 0.638 χ^2 /NDF: 205.5/15

Right Out: -3.508 $\pm$ 0.843 χ^2 /NDF: 2599.0/18

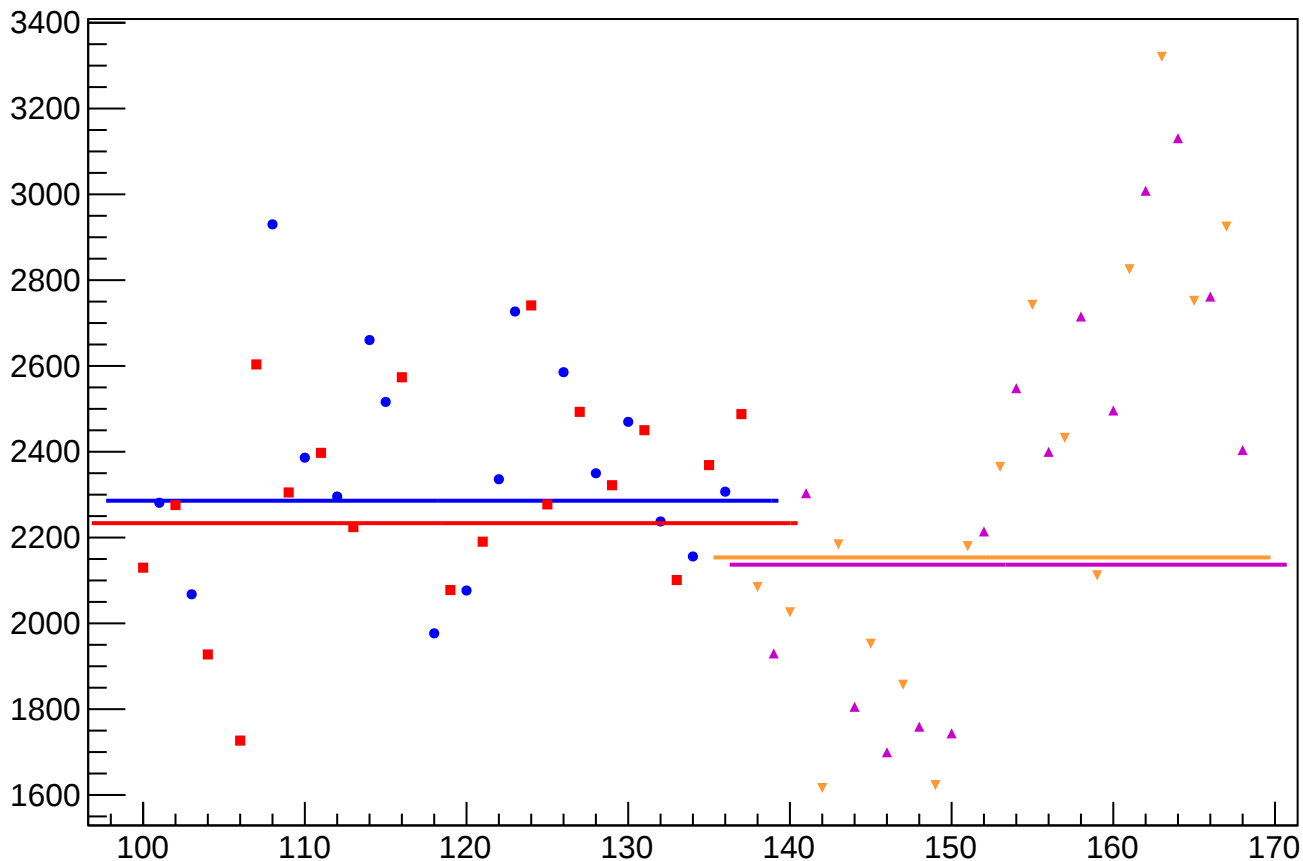
Left In: 63.768 $\pm$ 0.642 χ^2 /NDF: 2657.8/14

+ sign 27.653 $\pm$ 0.518 χ^2 /NDF: 7466.7/32

All: 33.434 $\pm$ 0.364 χ^2 /NDF: 17004.2/66

- sign 39.060 $\pm$ 0.511 χ^2 /NDF: 9291.4/33

diff_bpm0i01X_rms vs Slug



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

Left Out: 2153.669+/-0.451 χ^2/NDF : 874497.8/15

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

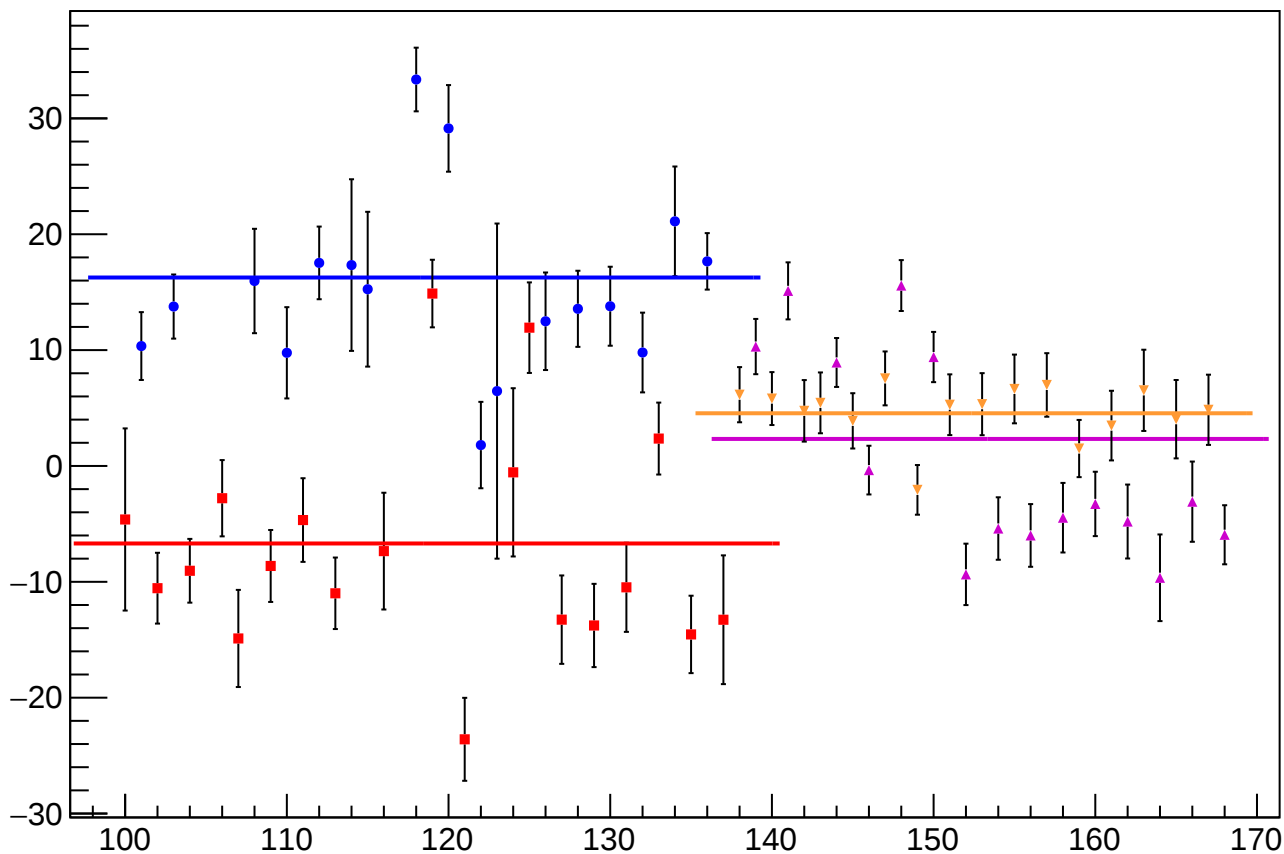
Left In: 2136.721+/-0.454 χ^2/NDF : 837231.1/14

+ sign 2198.818+/-0.366 χ^2/NDF : 1013167.1/32

All: 2185.369+/-0.257 χ^2/NDF : 2016624.5/60

- sign 2172.283+/-0.361 χ^2/NDF : 1000793.3/33

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.548 $\pm$ 0.657 χ^2 /NDF: 15.6/15

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

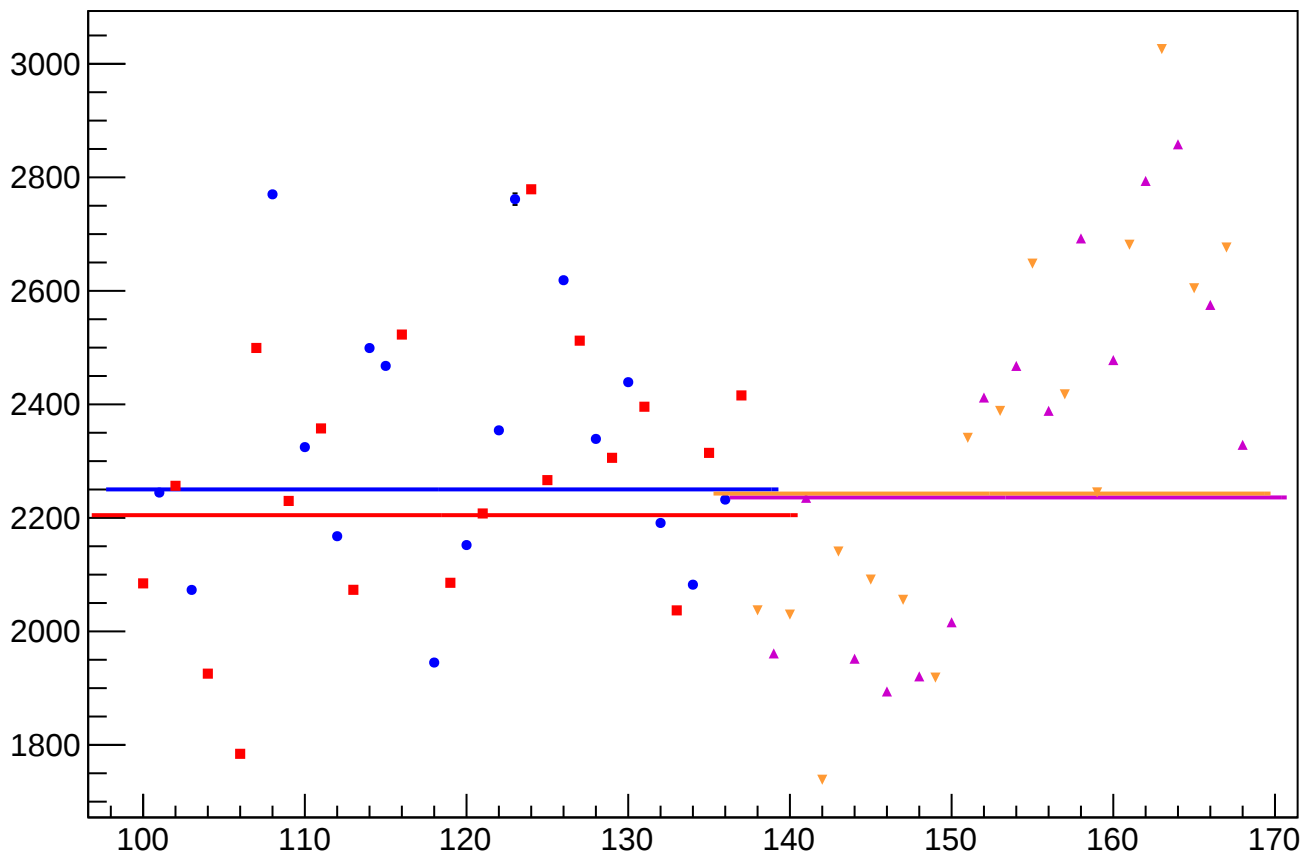
Left In: 2.333 $\pm$ 0.663 χ^2 /NDF: 171.1/14

+ sign 8.794 $\pm$ 0.525 χ^2 /NDF: 211.7/32

All: 3.747 $\pm$ 0.369 χ^2 /NDF: 771.6/66

- sign -1.178 $\pm$ 0.518 χ^2 /NDF: 377.1/33

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2242.854 ± 0.465 χ^2/NDF : 434590.1/15

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

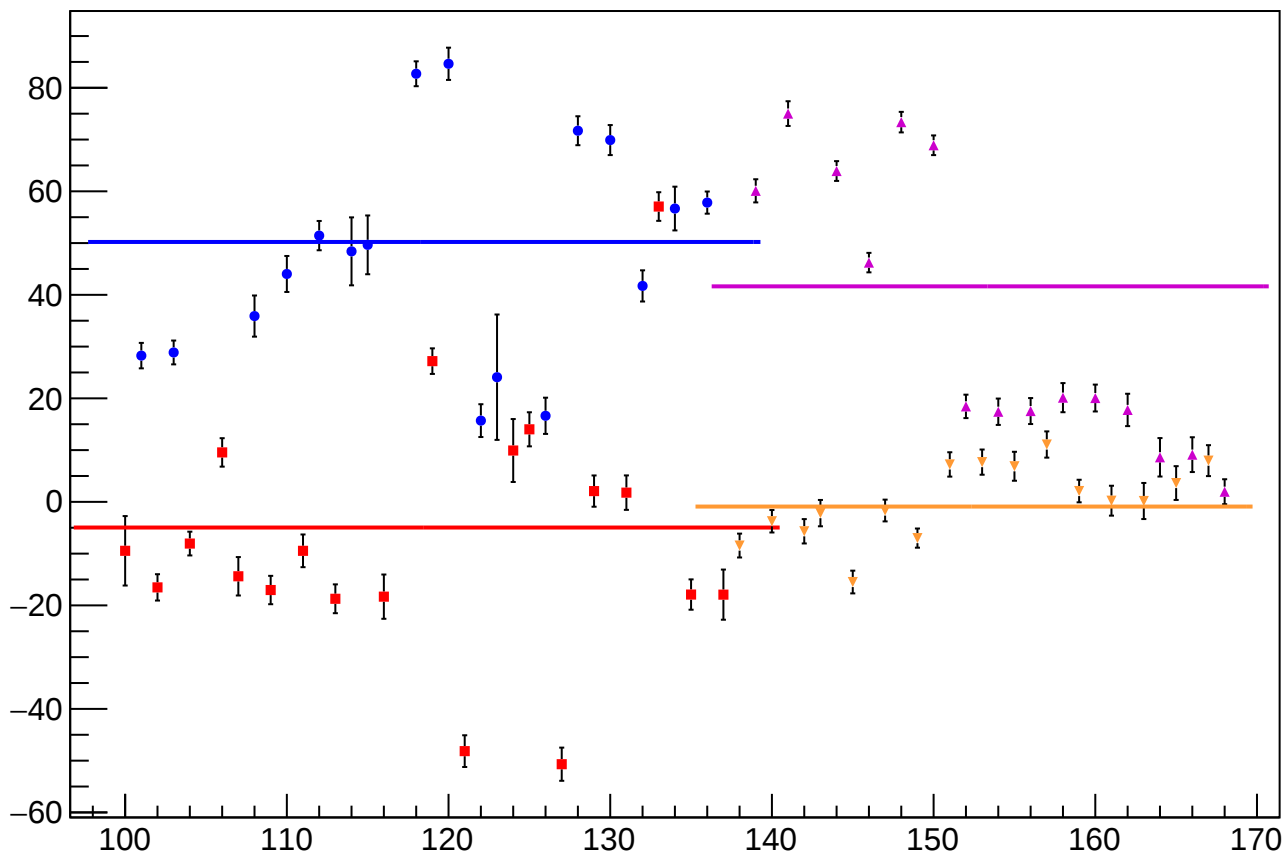
Left In: 2236.018 ± 0.469 χ^2/NDF : 407142.3/14

+ sign 2245.507 ± 0.371 χ^2/NDF : 532258.1/32

All: 2234.554 ± 0.261 χ^2/NDF : 1069076.9/66

- sign 2223.869 ± 0.366 χ^2/NDF : 535096.5/33

diff_bpm0i01aX_mean vs Slug



Right In: 50.215 $\pm$ 0.751 χ^2 /NDF: 830.3/16

Left Out: -0.907 $\pm$ 0.607 χ^2 /NDF:139.2/15

Right Out: -4.958 $\pm$ 0.713 χ^2 /NDF: 1262.6/18

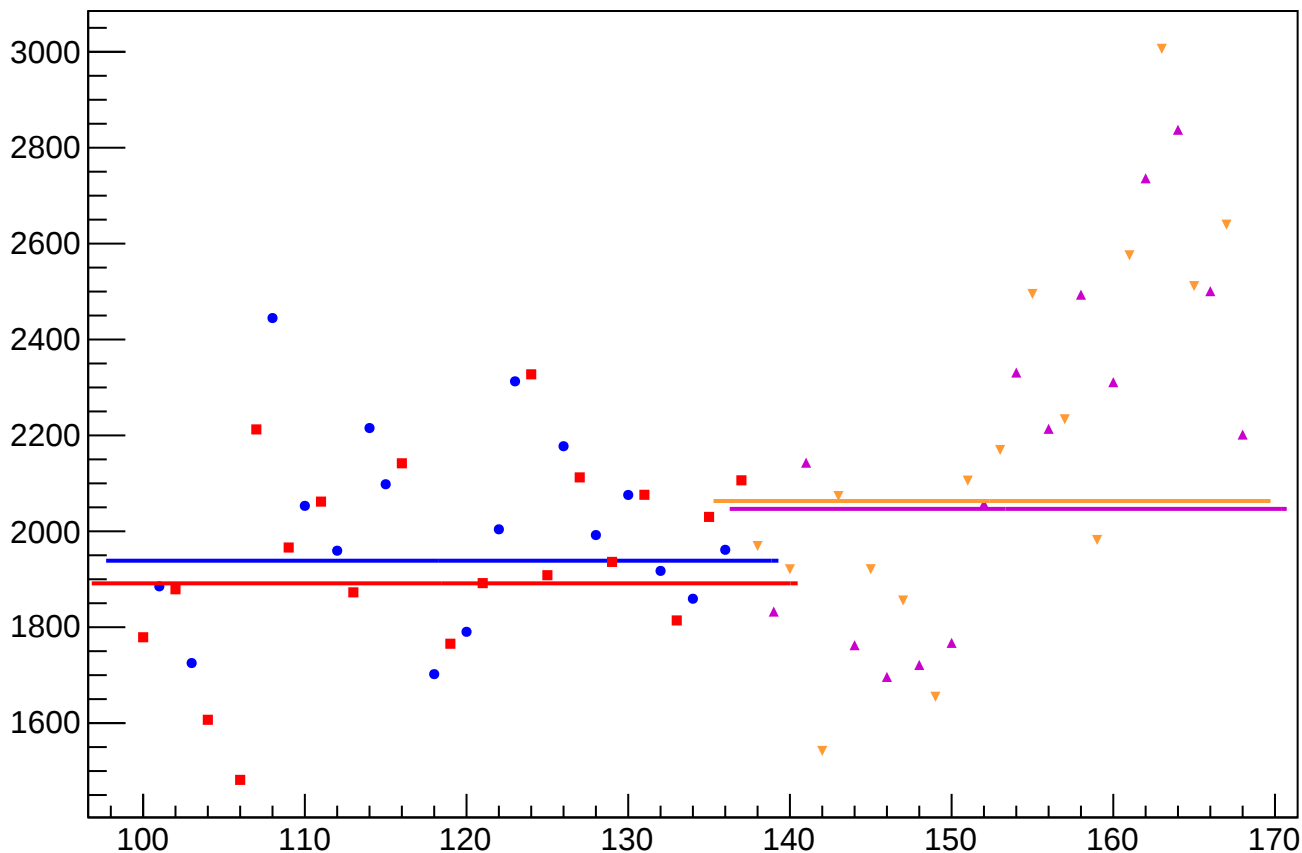
Left In: 41.639 $\pm$ 0.611 χ^2 /NDF:1783.5/14

+ sign 19.310 $\pm$ 0.472 χ^2 /NDF: 3772.4/32

All: 20.642 $\pm$ 0.331 χ^2 /NDF: 9295.7/66

- sign 21.928 $\pm$ 0.464 χ^2 /NDF: 5507.6/33

diff_bpm0i01aX_rms vs Slug



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

Left Out: 2063.155 $\pm$ 0.429 χ^2 /NDF: 620428.6/15

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

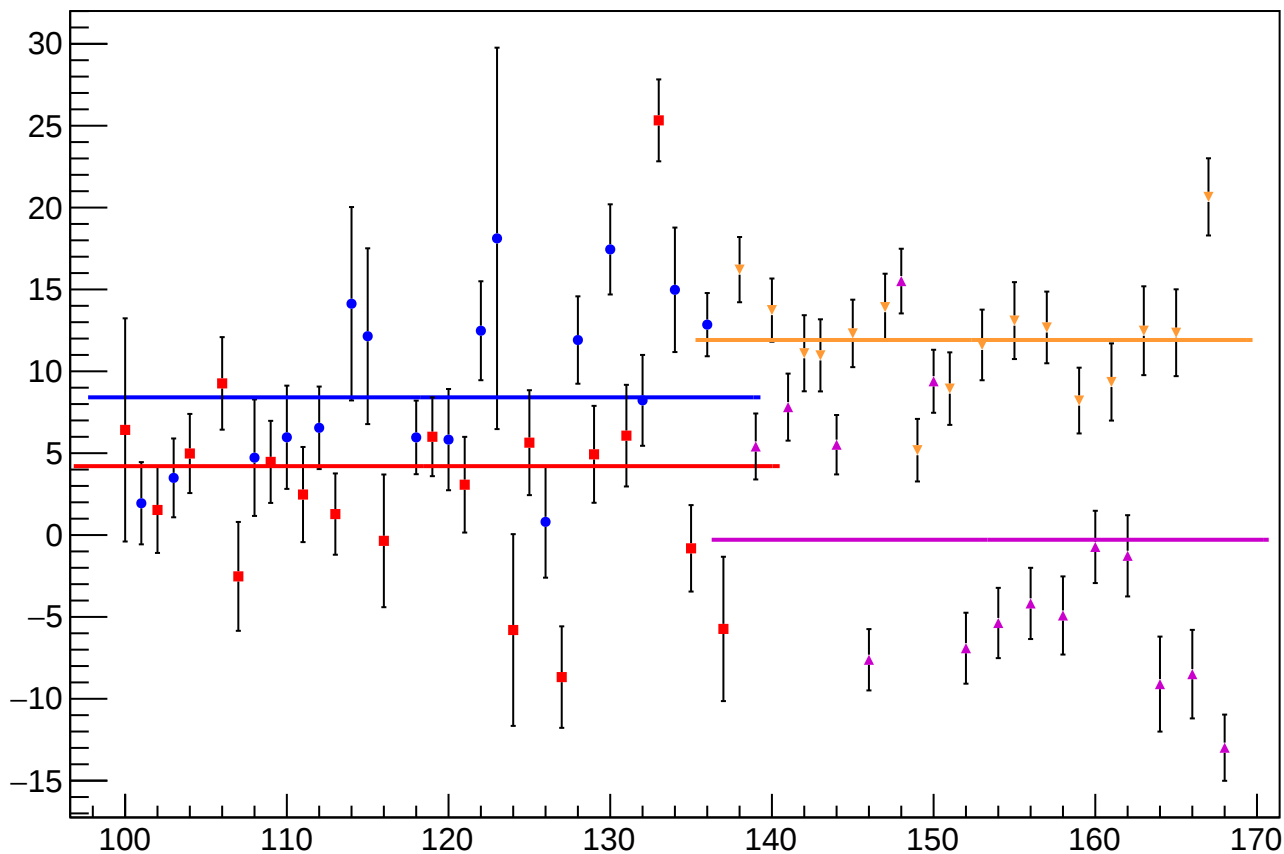
Left In: 2046.763 $\pm$ 0.432 χ^2 /NDF: 569837.4/14

+ sign 2013.932 $\pm$ 0.334 χ^2 /NDF: 753801.3/32

All: 1997.215 $\pm$ 0.234 χ^2 /NDF: 1529872.1/60

- sign 1981.070 $\pm$ 0.328 χ^2 /NDF: 771142.1/33

diff_bpm0i01aY_mean vs Slug



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

Left Out: 11.914 ± 0.546 $\chi^2/\text{NDF}: 39.9/15$

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

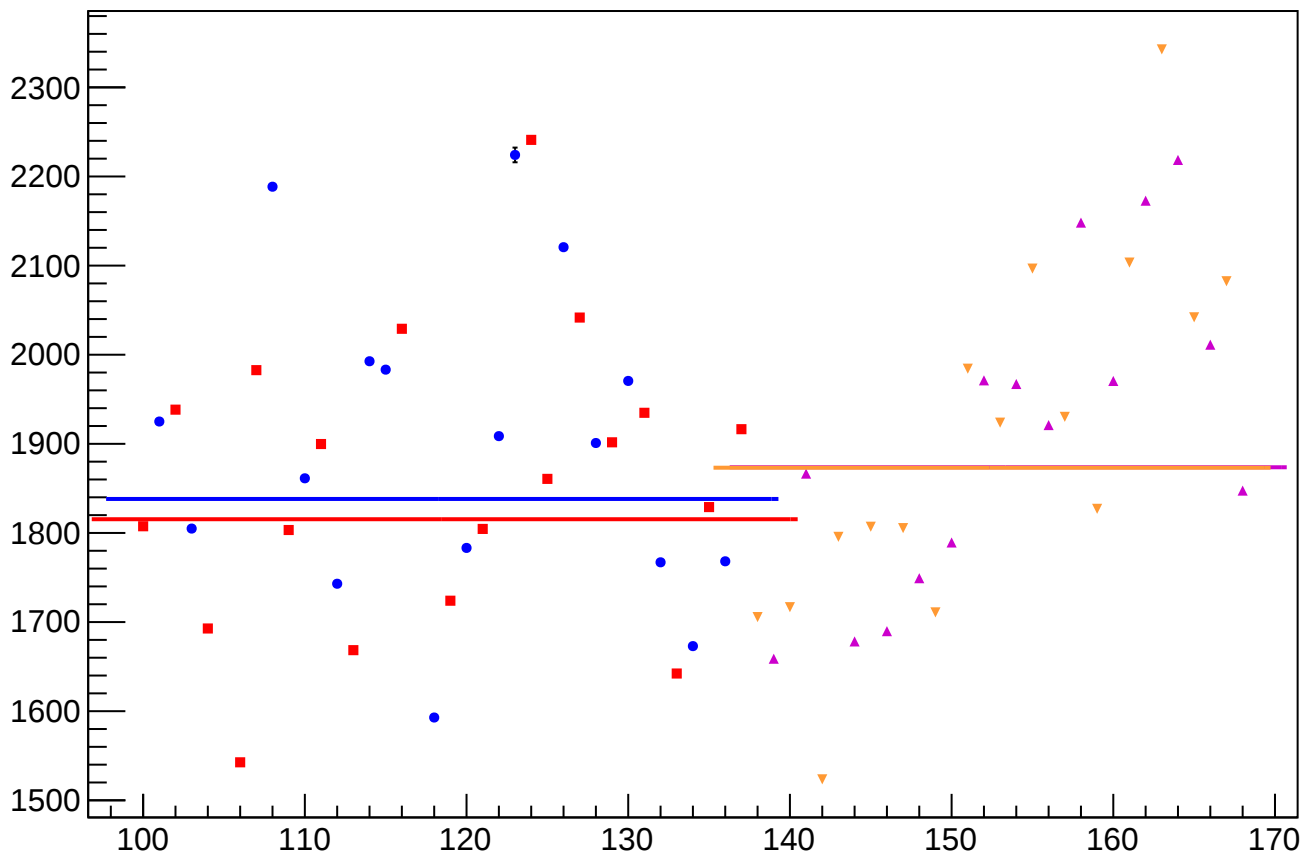
Left In: -0.288 ± 0.552 $\chi^2/\text{NDF}: 218.5/14$

+ sign 10.615 ± 0.433 $\chi^2/\text{NDF}: 99.7/32$

All: 6.010 ± 0.305 $\chi^2/\text{NDF}: 681.6/66$

- sign 1.490 ± 0.429 $\chi^2/\text{NDF}: 357.8/33$

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1873.207 $\pm$ 0.386 χ^2 /NDF: 223254.4/15

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

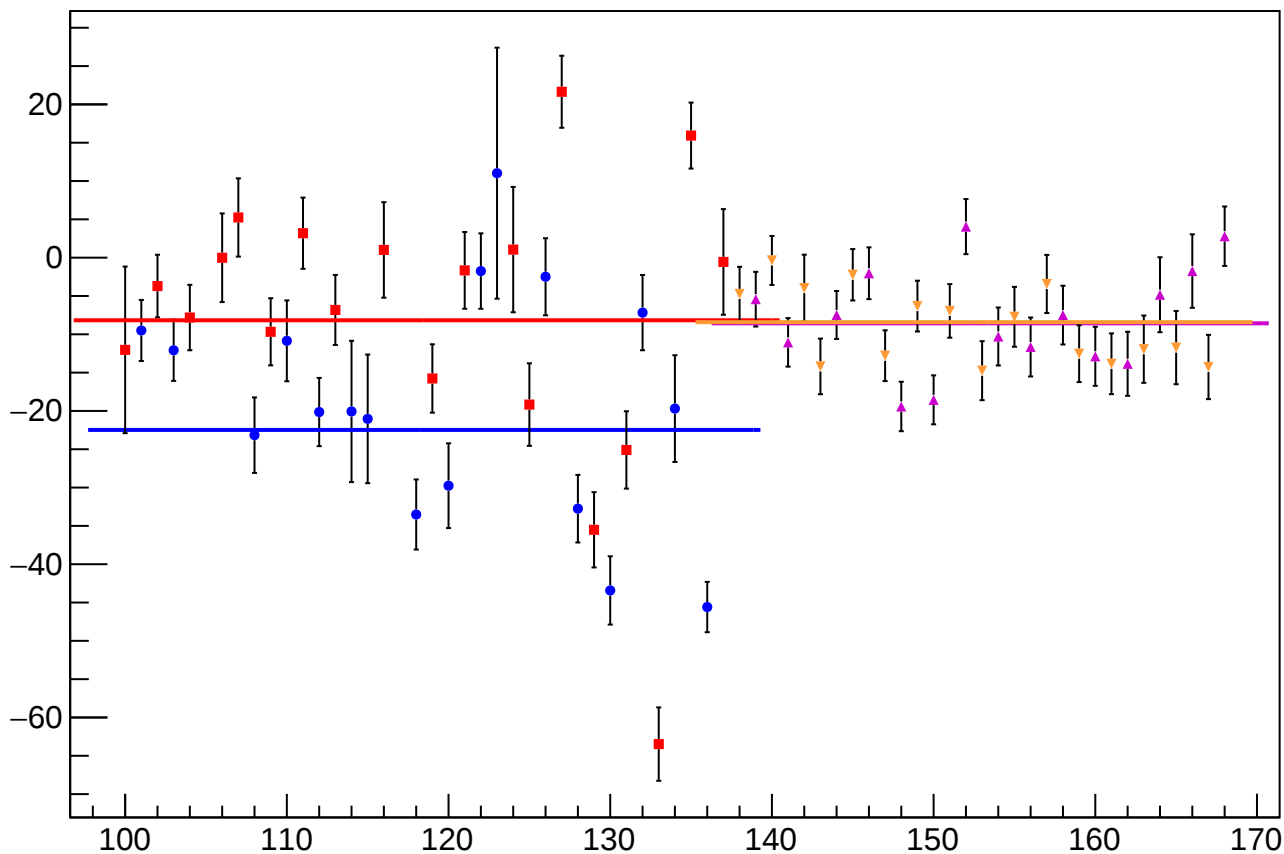
Left In: 1873.705 $\pm$ 0.390 χ^2 /NDF: 178988.3/14

+ sign 1860.210 $\pm$ 0.306 χ^2 /NDF: 309192.3/32

All: 1855.390 $\pm$ 0.216 χ^2 /NDF: 584919.0/66

- sign 1850.659 $\pm$ 0.303 χ^2 /NDF: 275235.6/33

diff_bpm0l01X_mean vs Slug



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

Left Out: -8.416 ± 0.932 χ^2/NDF : 27.4/15

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

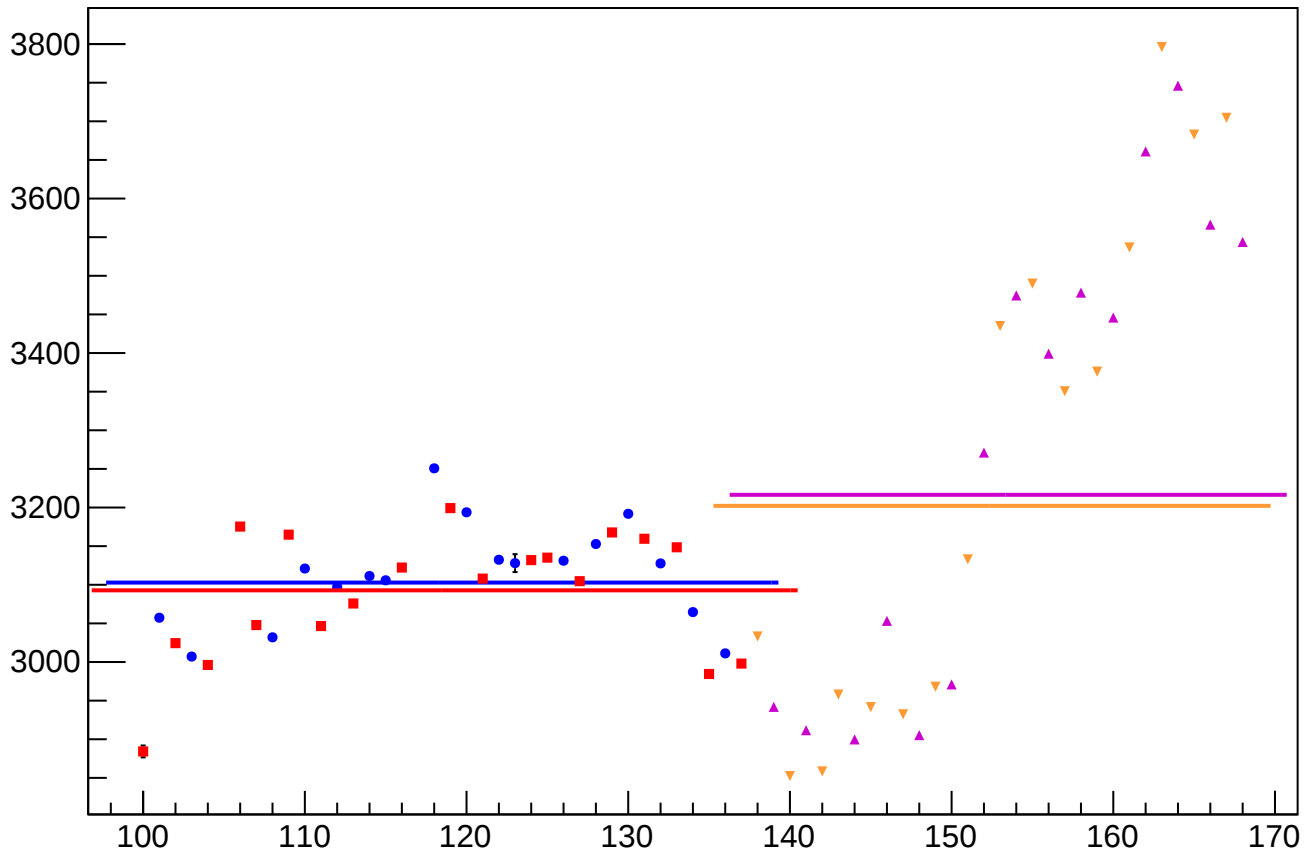
Left In: -8.567 ± 0.944 χ^2/NDF : 53.6/14

+ sign -13.736 ± 0.735 χ^2/NDF : 268.2/32

All: -11.060 ± 0.518 χ^2/NDF : 625.2/66

- sign -8.408 ± 0.731 χ^2/NDF : 330.6/33

diff_bpm0l01X_rms vs Slug



Right In: 3102.846+/-0.845 χ^2/NDF : 7344.9/16

Left Out: 3202.167+/-0.659 χ^2/NDF : 211599.7/15

Right Out: 3092.795+/-0.818 χ^2/NDF : 7763.4/18

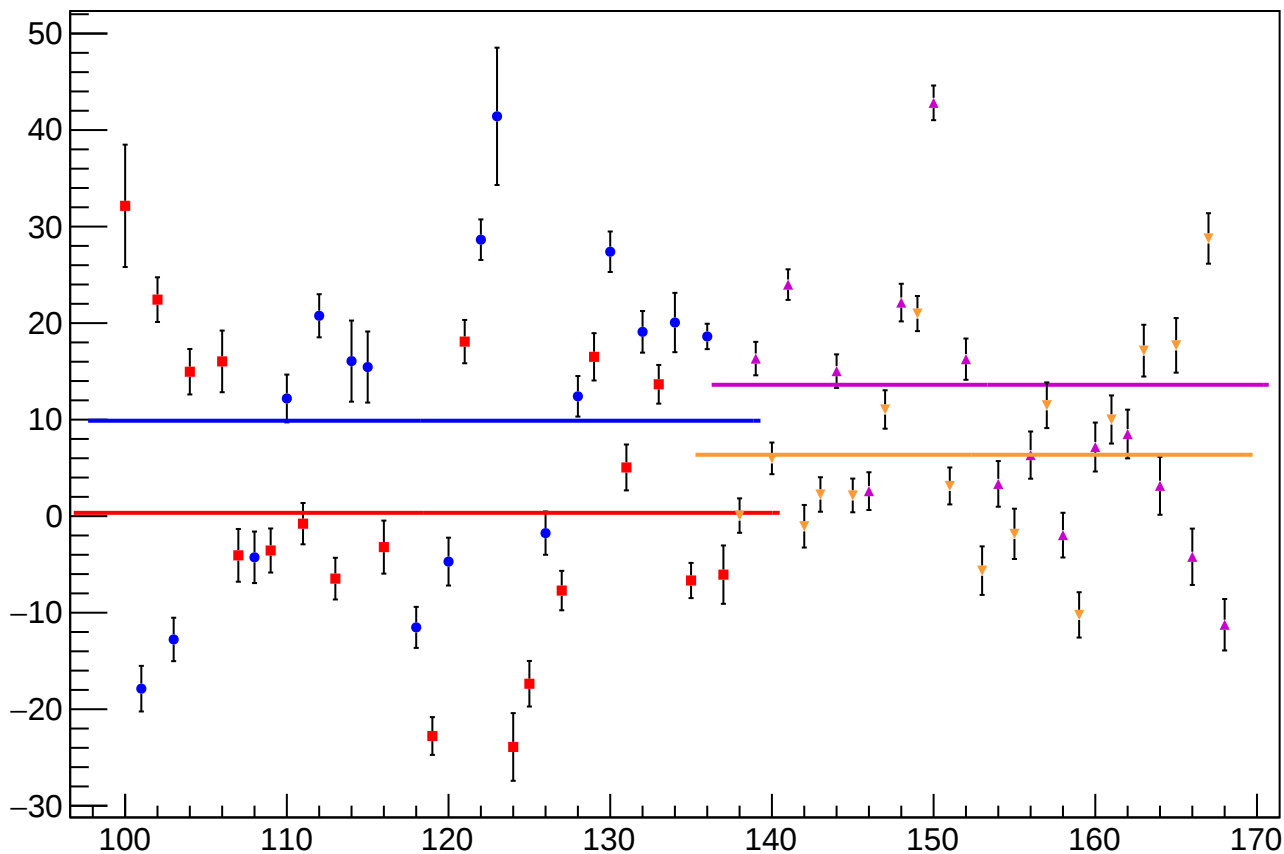
Left In: 3216.466+/-0.668 χ^2/NDF : 187645.8/14

+ sign 3164.587+/-0.520 χ^2/NDF : 227537.0/32

All: 3165.799+/-0.367 χ^2/NDF : 436679.2/66

- sign 3167.000+/-0.517 χ^2/NDF : 209131.4/33

diff_bpm0l01Y_mean vs Slug



Right In: 9.887 $\pm$ 0.559 χ^2 /NDF: 703.6/16

Left Out: 6.363 $\pm$ 0.527 χ^2 /NDF: 303.2/15

Right Out: 0.346 $\pm$ 0.547 χ^2 /NDF: 628.9/18

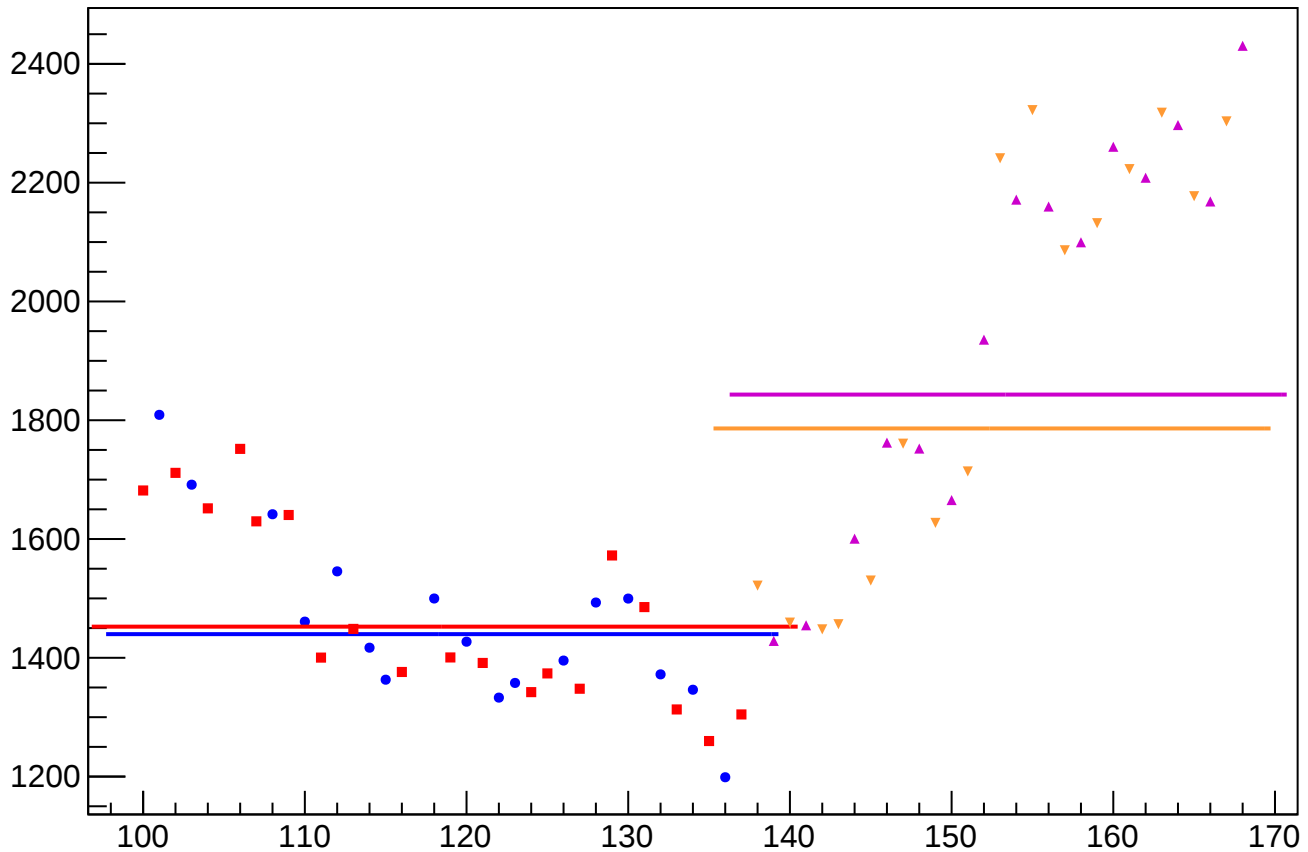
Left In: 13.610 $\pm$ 0.548 χ^2 /NDF: 583.1/14

+ sign 8.021 $\pm$ 0.384 χ^2 /NDF: 1027.9/32

All: 7.498 $\pm$ 0.272 χ^2 /NDF: 2537.2/66

- sign 6.966 $\pm$ 0.387 χ^2 /NDF: 1505.5/33

diff_bpm0l01Y_rms vs Slug



Right In: 1439.826+/-0.396 χ^2/NDF : 172823.5/16

Left Out: 1786.169+/-0.373 χ^2/NDF : 782137.2/15

Right Out: 1452.452+/-0.387 χ^2/NDF : 138519.7/18

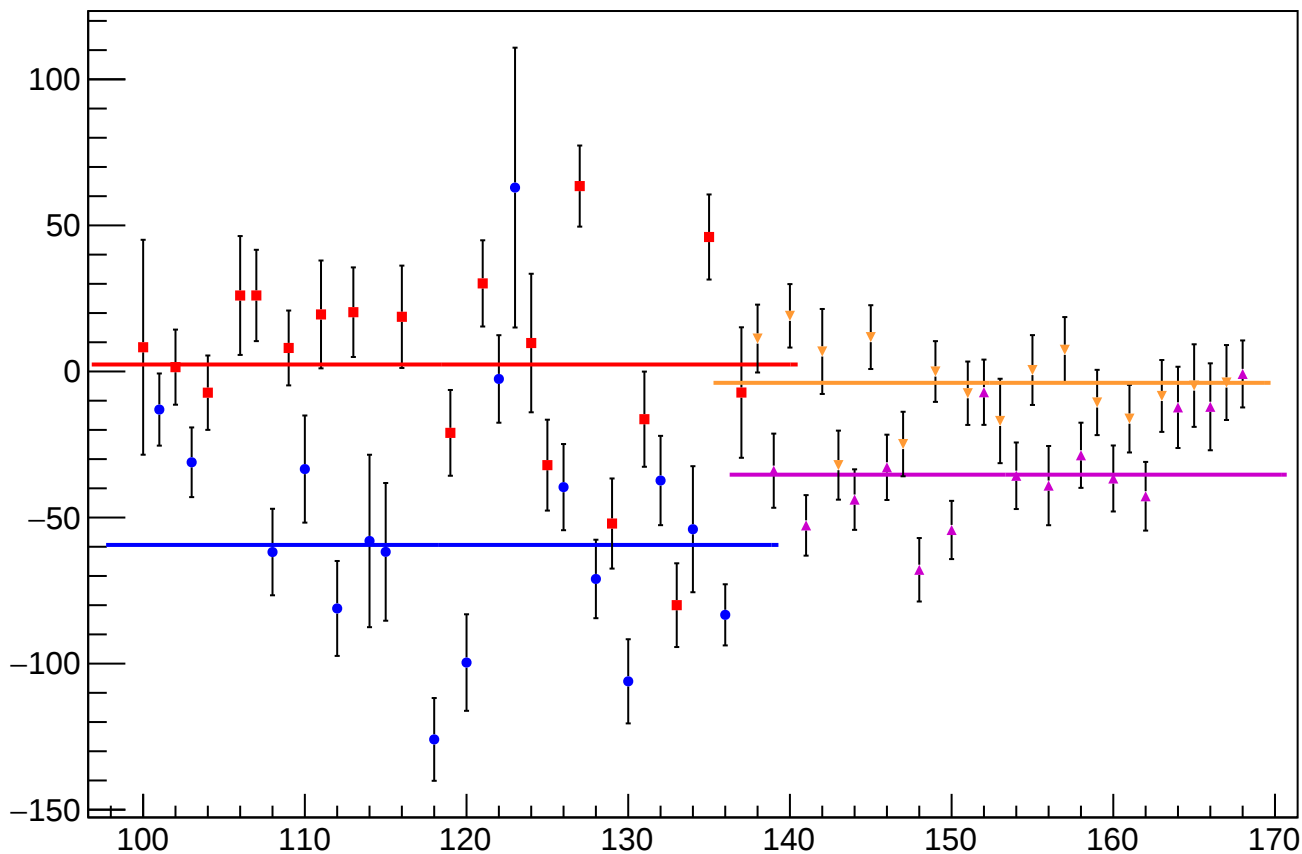
Left In: 1843.202+/-0.387 χ^2/NDF : 665255.8/14

+ sign 1623.274+/-0.271 χ^2/NDF : 1360914.7/32

All: 1635.260+/-0.193 χ^2/NDF : 2678187.2/60

- sign 1647.459+/-0.274 χ^2/NDF : 1313334.3/33

diff_bpm0l02X_mean vs Slug



Right In: -59.374 ± 3.729 χ^2/NDF : 92.9/16

Left Out: -3.889 ± 2.948 χ^2/NDF : 21.9/15

Right Out: 2.388 ± 3.630 χ^2/NDF : 93.9/18

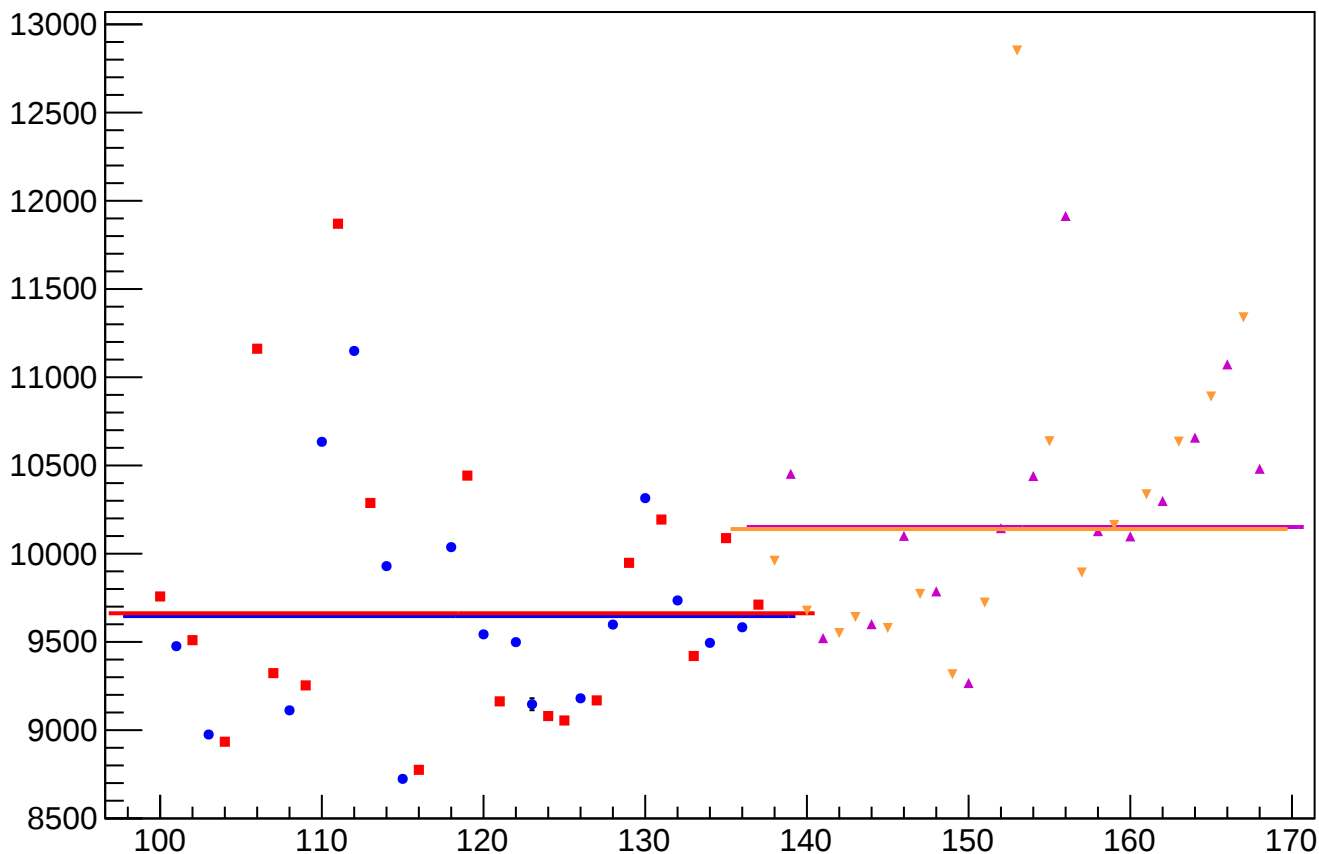
Left In: -35.326 ± 2.976 χ^2/NDF : 37.6/14

+ sign -25.235 ± 2.313 χ^2/NDF : 251.0/32

All: -22.688 ± 1.631 χ^2/NDF : 449.5/66

- sign -20.168 ± 2.301 χ^2/NDF : 196.1/33

diff_bpm0l02X_rms vs Slug



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

Left Out: 10139.719+/-2.085 χ^2/NDF : 135830.4/15

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

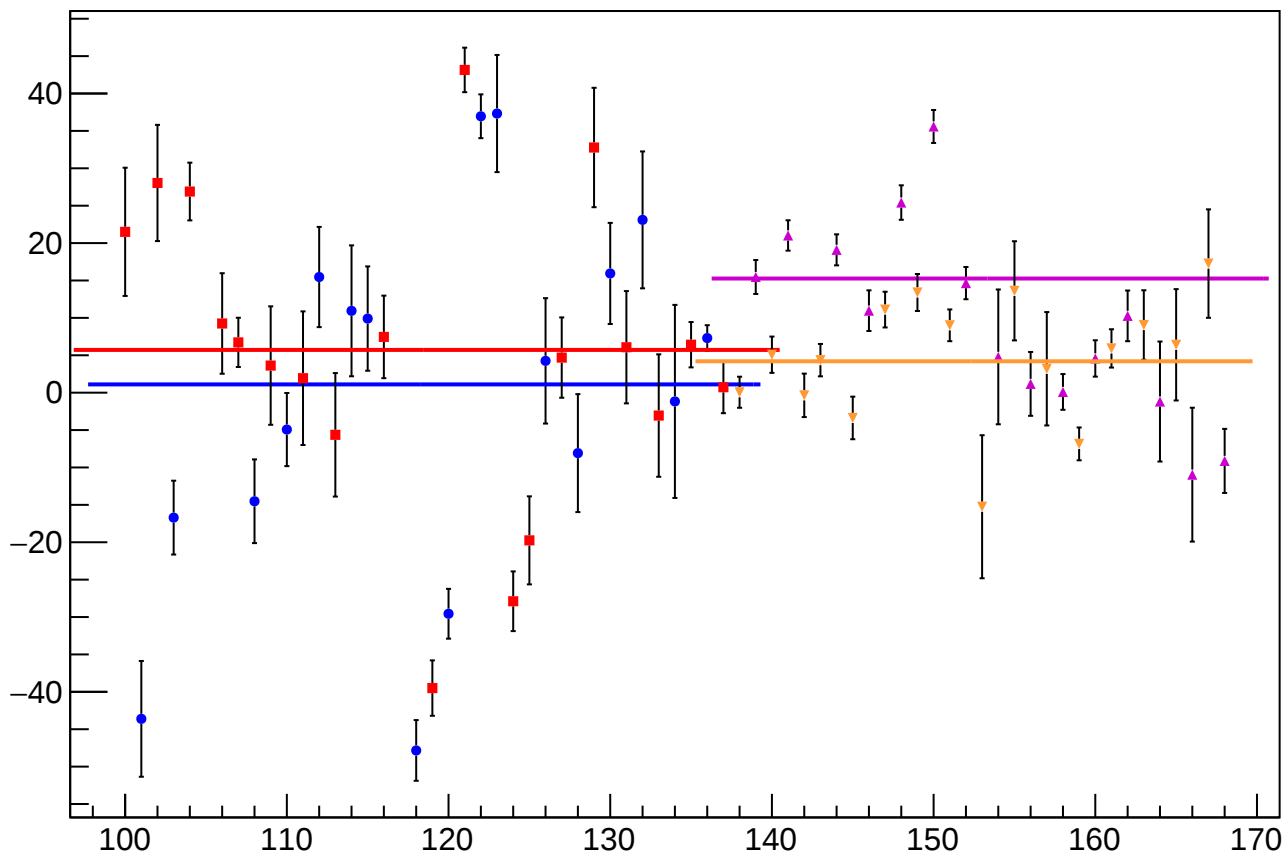
Left In: 10151.324+/-2.104 χ^2/NDF : 79641.3/14

+ sign 9949.966+/-1.635 χ^2/NDF : 201422.6/32

All: 9952.393+/-1.153 χ^2/NDF : 380359.0/66

- sign 9954.796+/-1.627 χ^2/NDF : 178932.1/33

diff_bpm0l02Y_mean vs Slug



Right In: 1.106 ± 1.066 χ^2/NDF : 489.7/16

Left Out: 4.197 ± 0.723 χ^2/NDF : 77.3/15

Right Out: 5.716 ± 1.091 χ^2/NDF : 456.0/18

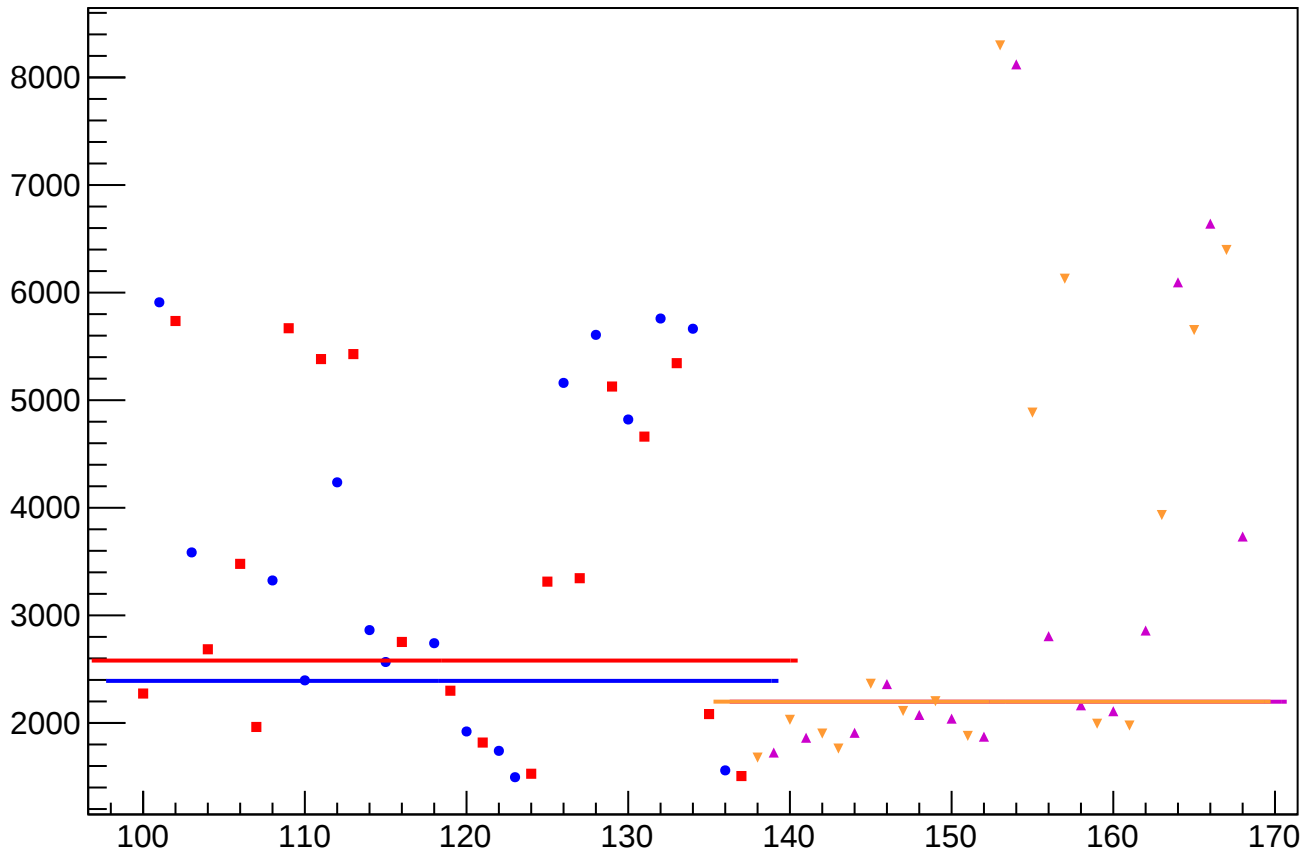
Left In: 15.261 ± 0.708 χ^2/NDF : 237.8/14

+ sign 3.224 ± 0.599 χ^2/NDF : 572.8/32

All: 7.864 ± 0.422 χ^2/NDF : 1439.7/66

- sign 12.433 ± 0.594 χ^2/NDF : 747.6/33

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2198.163 $\pm$ 0.511 χ^2 /NDF:3382846.0/15

+ sign 2258.952 $\pm$ 0.423 χ^2 /NDF: 6028263.7/32

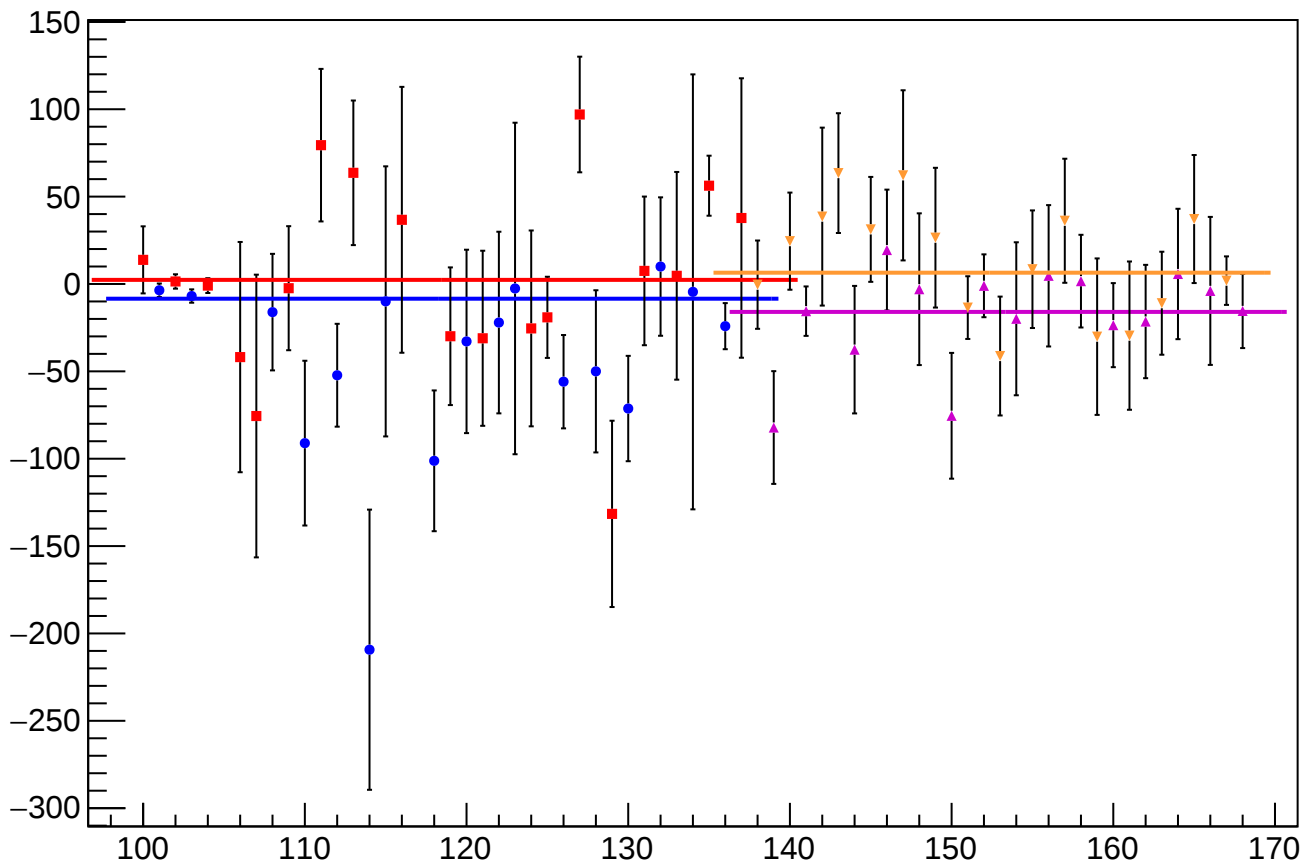
Right Out: 2580.040 $\pm$ 0.772 χ^2 /NDF: 2365271.4/18

All: 2285.100 $\pm$ 0.298 χ^2 /NDF: 11028776.1/6

- sign 2310.848 $\pm$ 0.420 χ^2 /NDF: 4992936.3/33

Left In: 2197.501 $\pm$ 0.501 χ^2 /NDF:2454673.0/14

diff_bpm0l03X_mean vs Slug



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

Left Out: 6.457 $\pm$ 7.064 χ^2 /NDF:12.4/15

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

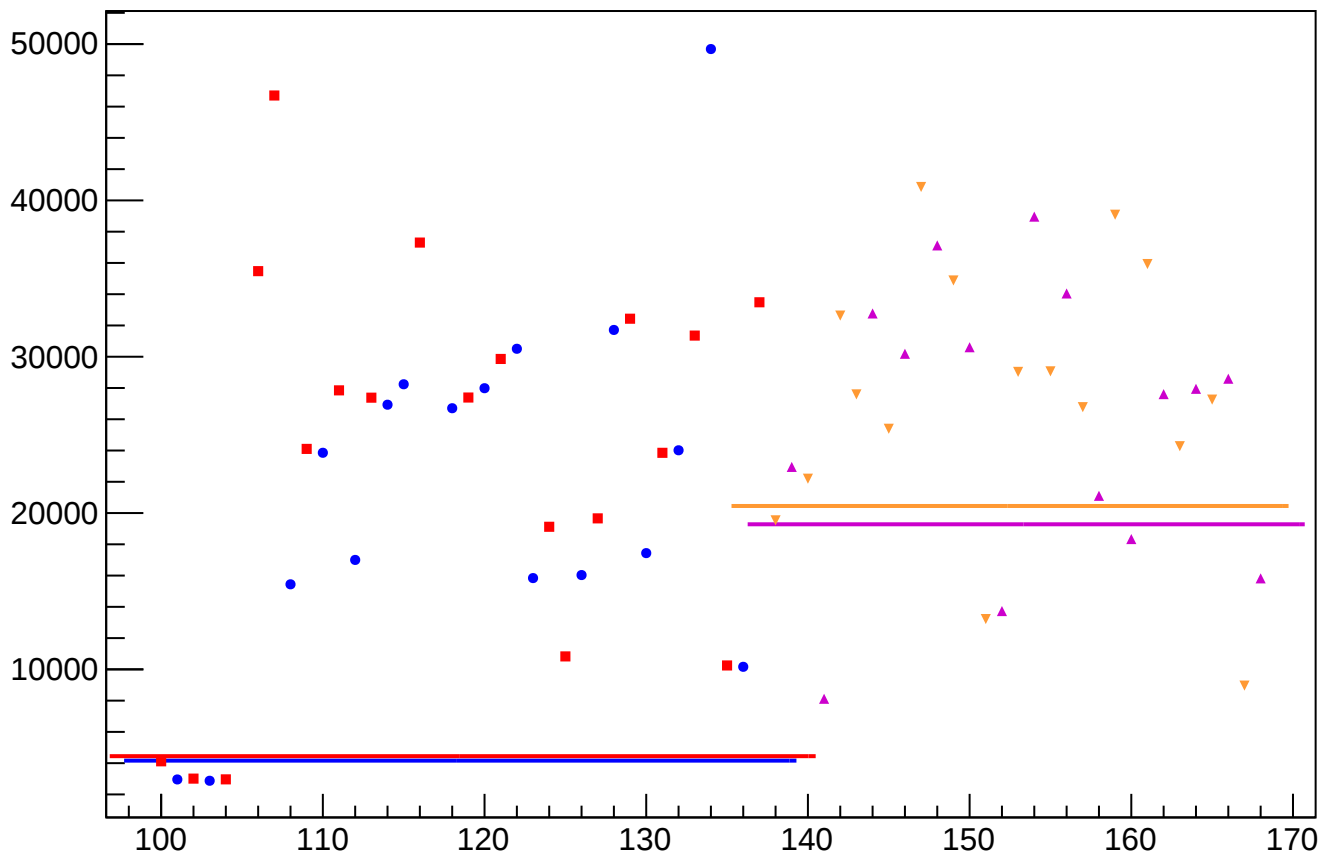
Left In: -15.985 $\pm$ 6.957 χ^2 /NDF:10.4/14

+ sign -6.669 $\pm$ 2.430 χ^2 /NDF: 45.2/32

All: -3.631 $\pm$ 1.771 χ^2 /NDF: 99.5/66

- sign -0.187 $\pm$ 2.587 χ^2 /NDF: 51.0/33

diff_bpm0l03X_rms vs Slug



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

Left Out: 20452.133 ± 4.995 χ^2/NDF : 3610002.2/15

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

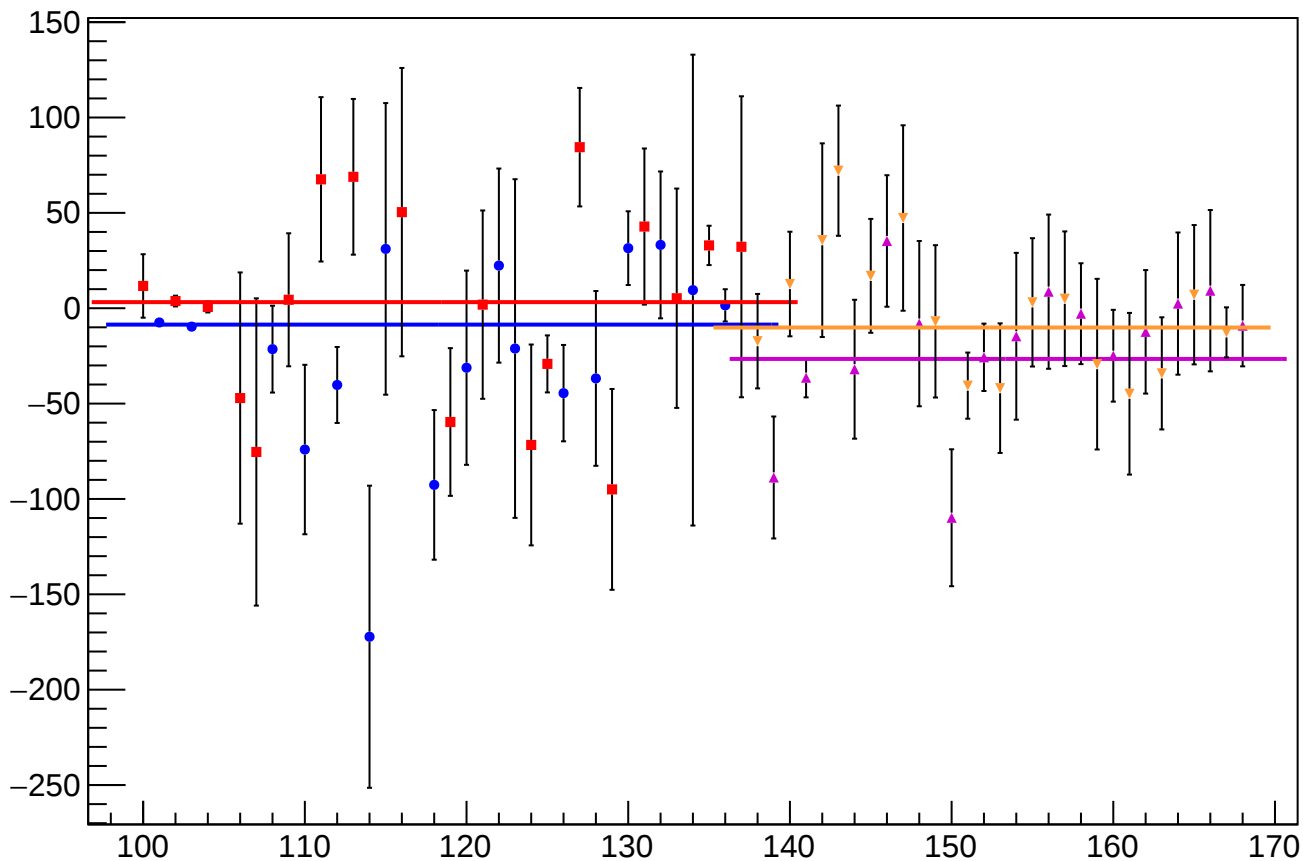
Left In: 19280.752 ± 4.919 χ^2/NDF : 3541927.2/14

+ sign 6089.378 ± 1.718 χ^2/NDF : 18977991.4/32

All: 6280.960 ± 1.252 χ^2/NDF : 37808273.8/6

- sign 6498.175 ± 1.829 χ^2/NDF : 18803746.5/33

diff_bpm0l03Y_mean vs Slug



Right In: -8.586 ± 1.778 χ^2/NDF : 24.4/16

Left Out: -10.113 ± 6.895 χ^2/NDF : 15.7/15

Right Out: 3.194 ± 1.922 χ^2/NDF : 36.9/18

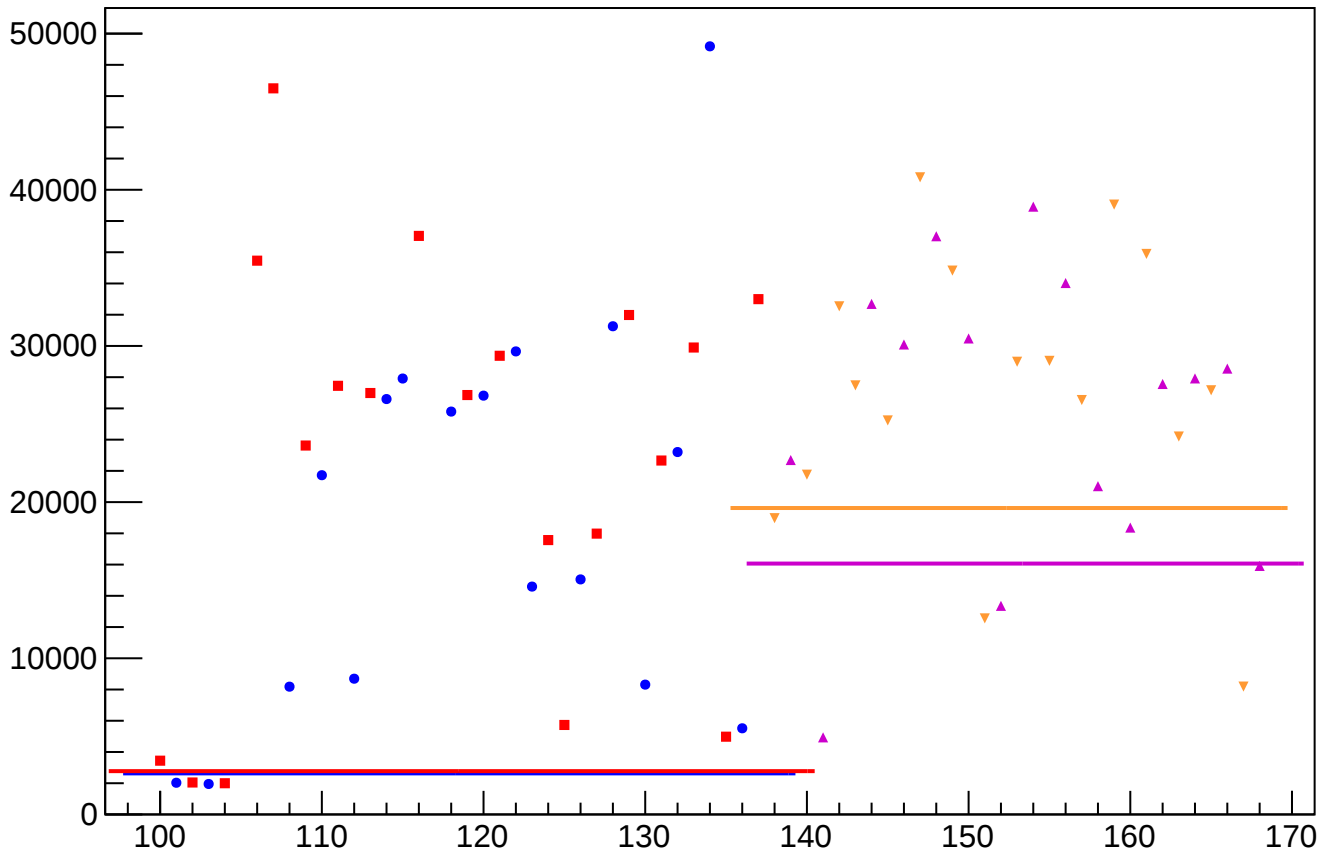
Left In: -26.588 ± 6.298 χ^2/NDF : 17.3/14

+ sign -8.682 ± 1.721 χ^2/NDF : 40.1/32

All: -4.320 ± 1.257 χ^2/NDF : 128.5/66

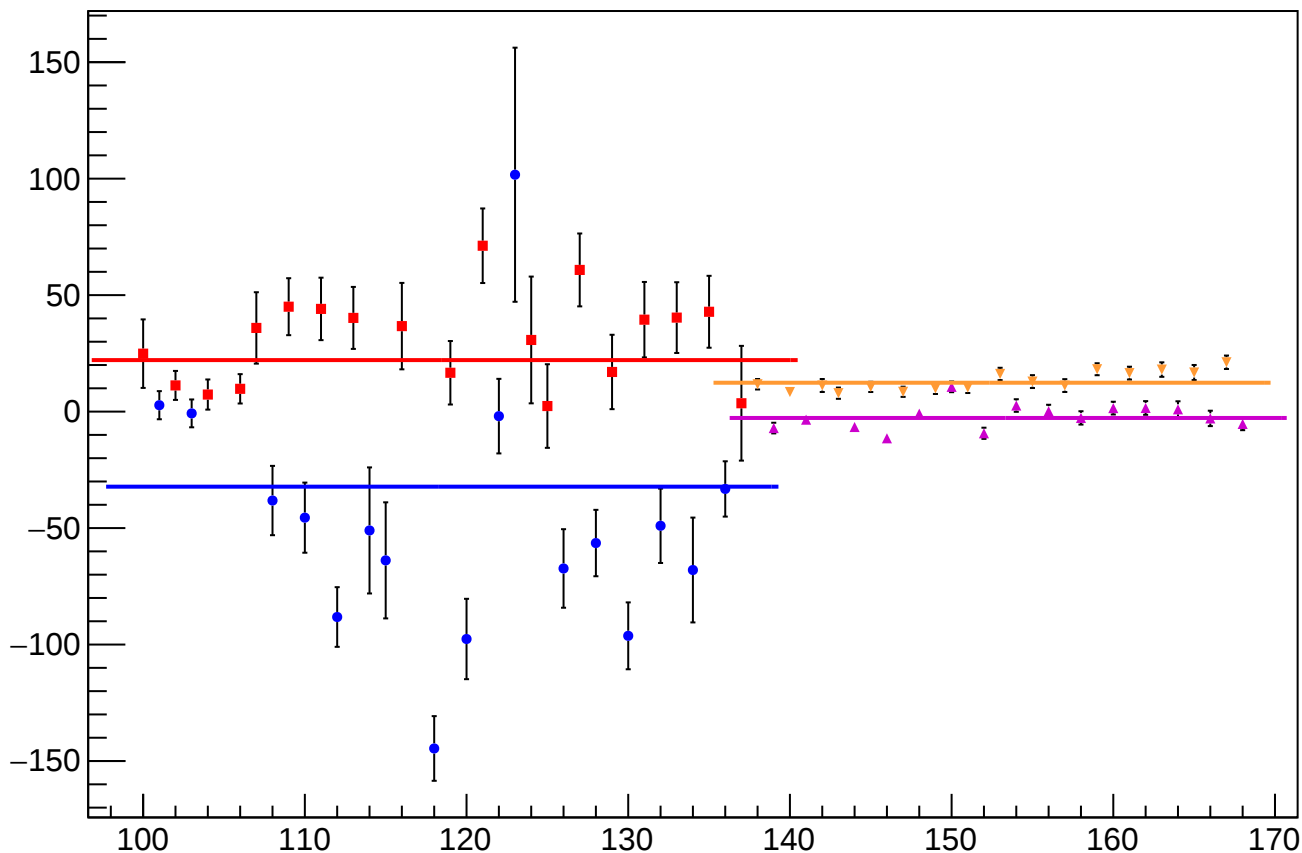
- sign 0.656 ± 1.839 χ^2/NDF : 74.7/33

diff_bpm0l03Y_rms vs Slug



Right In: 2630.547+/-1.257	χ^2/NDF : 5588981.6/16	+ sign 3689.844+/-1.217	χ^2/NDF : 21012810.7/32
Left Out: 19622.247+/-4.875	χ^2/NDF : 4033352.5/15	All: 3790.904+/-0.889	χ^2/NDF : 42672462.6/6
Right Out: 2773.446+/-1.359	χ^2/NDF : 7835878.7/18	- sign 3906.176+/-1.300	χ^2/NDF : 21644896.8/33
Left In: 16064.870+/-4.453	χ^2/NDF : 5659839.4/14		

diff_bpm0l04X_mean vs Slug



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

Left Out: 12.395 ± 0.633 χ^2/NDF : 36.8/15

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

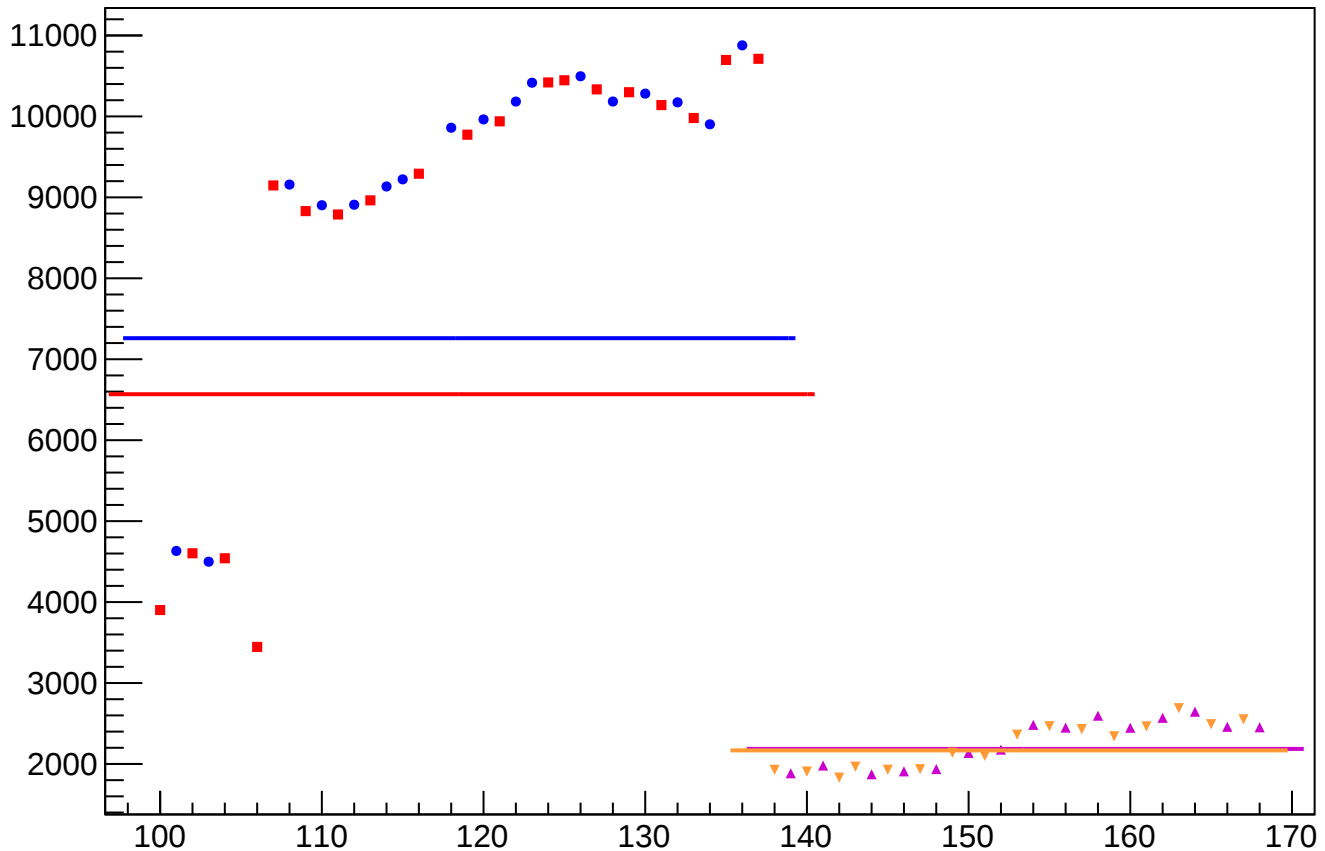
Left In: -2.729 ± 0.645 χ^2/NDF : 78.1/14

+ sign 10.471 ± 0.619 χ^2/NDF : 454.7/32

All: 4.627 ± 0.440 χ^2/NDF : 838.7/66

- sign -1.360 ± 0.627 χ^2/NDF : 203.6/33

diff_bpm0l04X_rms vs Slug



Right In: 7260.081+/-2.108 χ^2/NDF : 1636373.2/16

Left Out: 2167.680+/-0.448 χ^2/NDF :339753.7/15

+ sign 2387.292+/-0.438 χ^2/NDF : 7559415.8/32

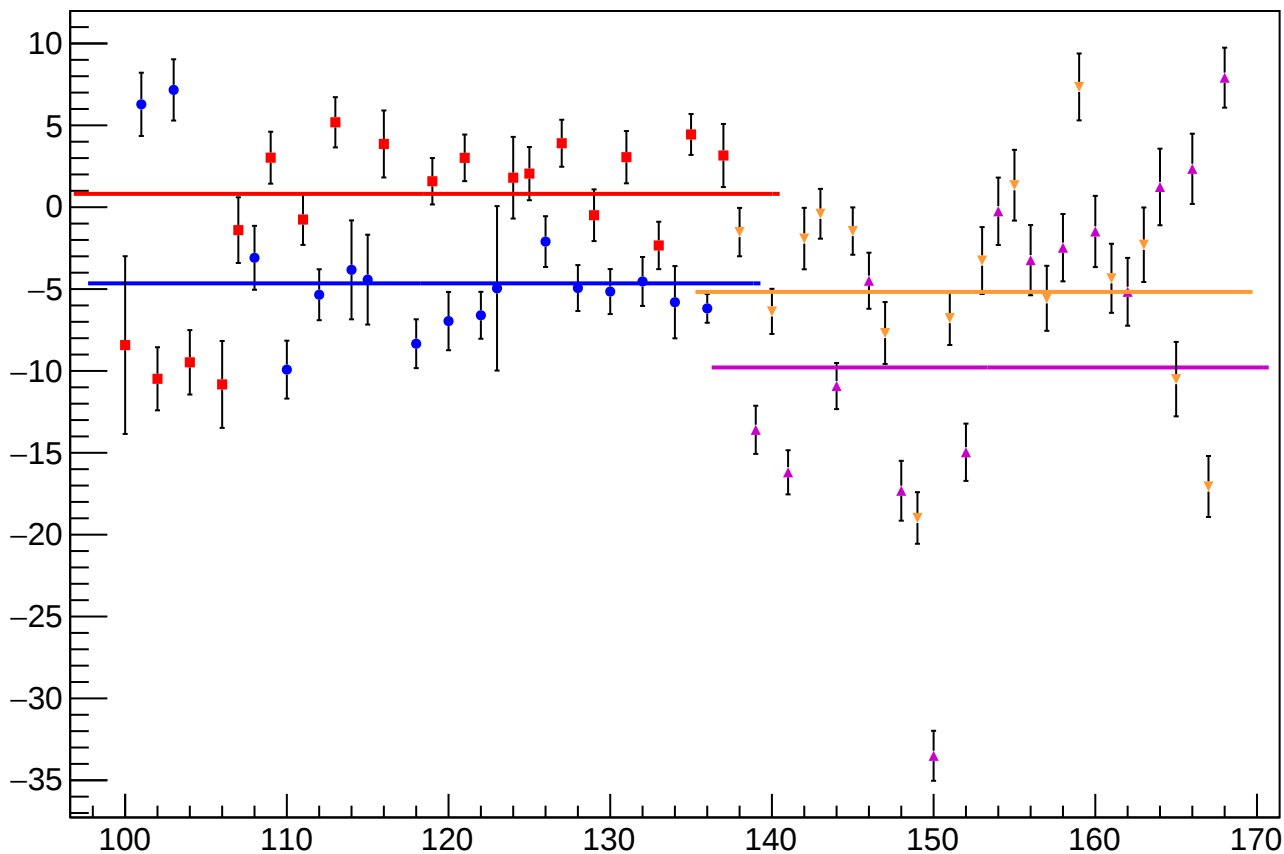
Right Out: 6568.180+/-1.887 χ^2/NDF : 2196546.0/18

All: 2407.206+/-0.311 χ^2/NDF : 15220702.6/6

Left In: 2186.083+/-0.456 χ^2/NDF :367526.5/14

- sign 2427.607+/-0.443 χ^2/NDF : 7657098.2/33

diff_bpm0l04Y_mean vs Slug



Right In: -4.651 ± 0.393 χ^2/NDF : 97.6/16

Left Out: -5.173 ± 0.444 χ^2/NDF : 201.3/15

Right Out: 0.814 ± 0.388 χ^2/NDF : 123.7/18

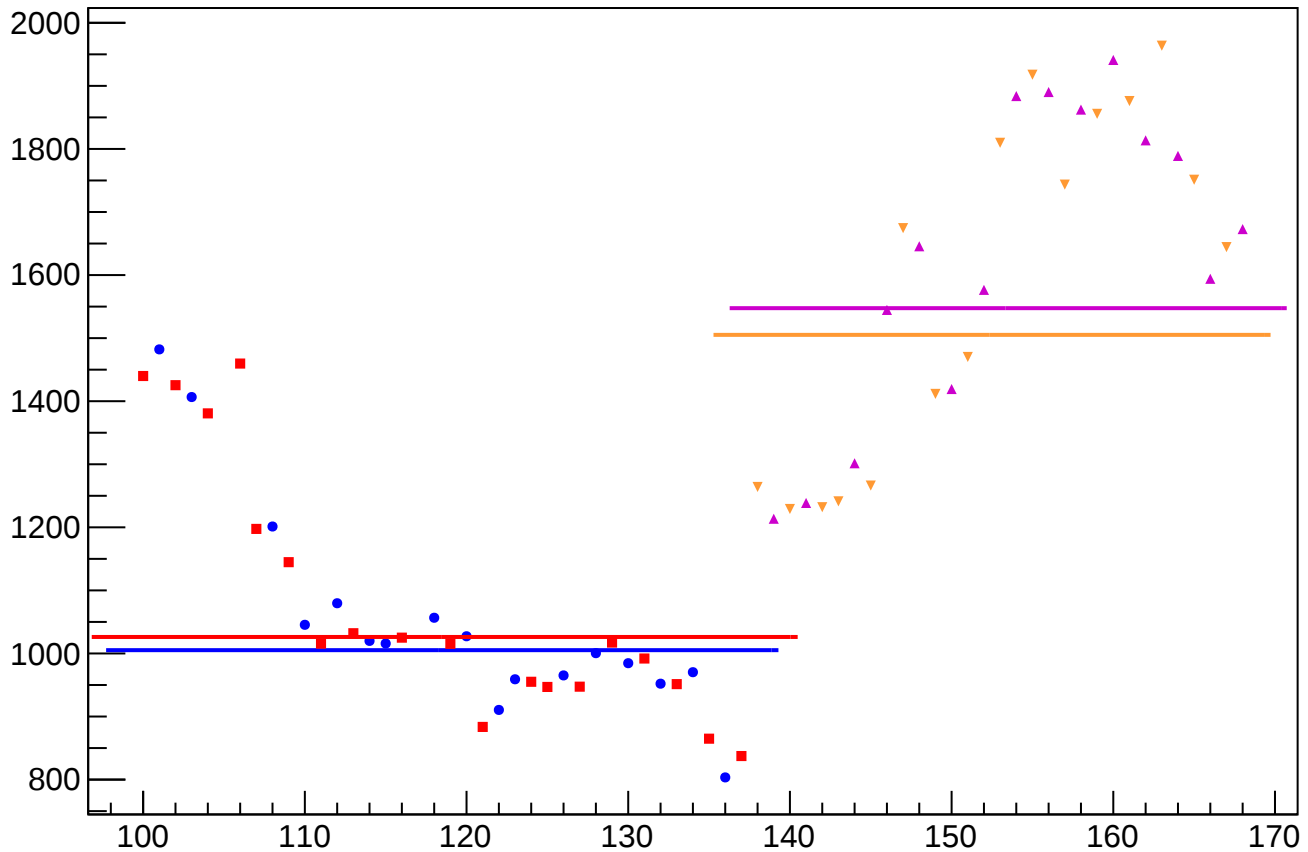
Left In: -9.788 ± 0.459 χ^2/NDF : 517.0/14

+ sign -4.880 ± 0.294 χ^2/NDF : 299.7/32

All: -4.251 ± 0.209 χ^2/NDF : 1260.4/66

- sign -3.610 ± 0.297 χ^2/NDF : 951.5/33

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1505.190 ± 0.314 $\chi^2/\text{NDF}: 697346.5/15$

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

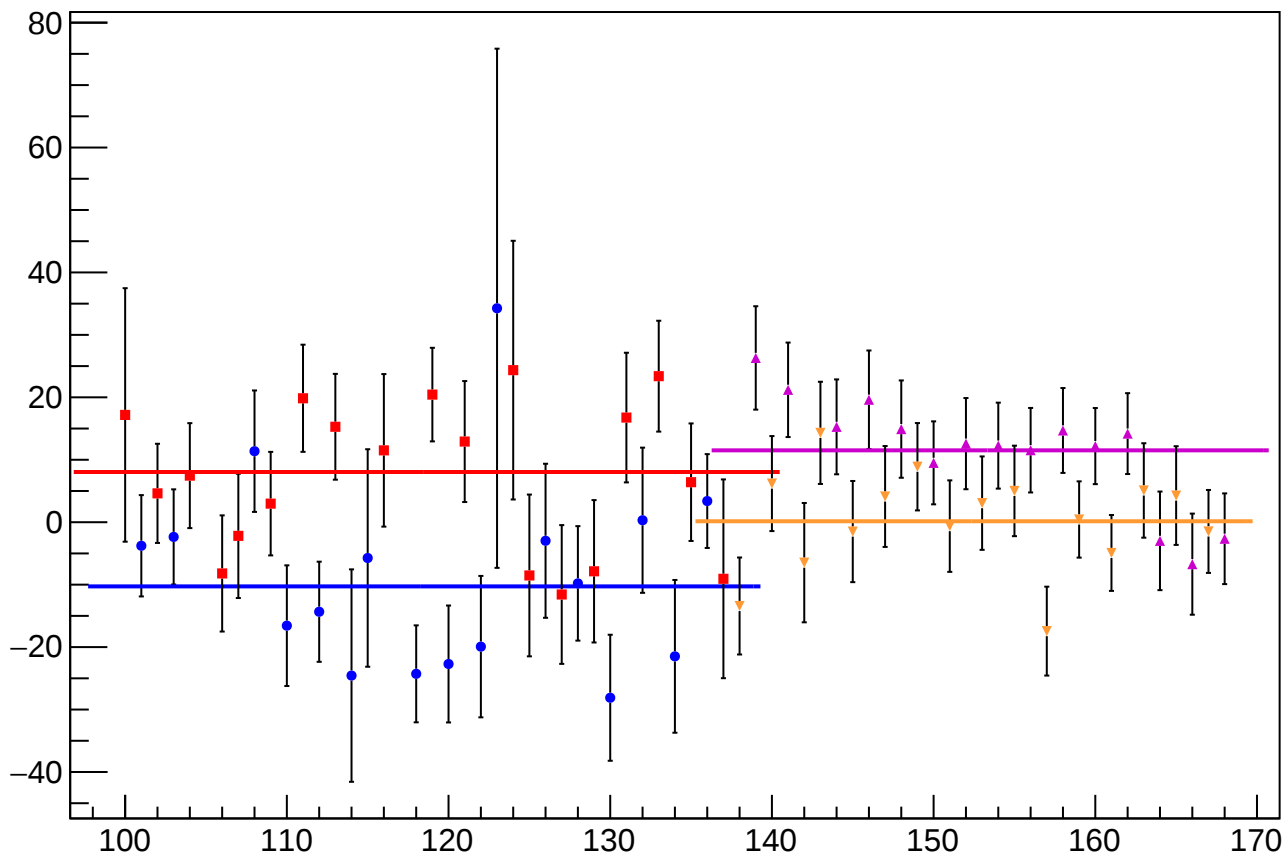
Left In: 1547.522 ± 0.325 $\chi^2/\text{NDF}: 570916.7/14$

+ sign 1224.776 ± 0.208 $\chi^2/\text{NDF}: 2483400.9/32$

All: 1234.179 ± 0.148 $\chi^2/\text{NDF}: 4894756.0/60$

- sign 1243.742 ± 0.210 $\chi^2/\text{NDF}: 2407230.1/33$

diff_bpm0l05X_mean vs Slug



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

Left Out: 0.153 ± 1.838 χ^2/NDF : 17.2/15

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

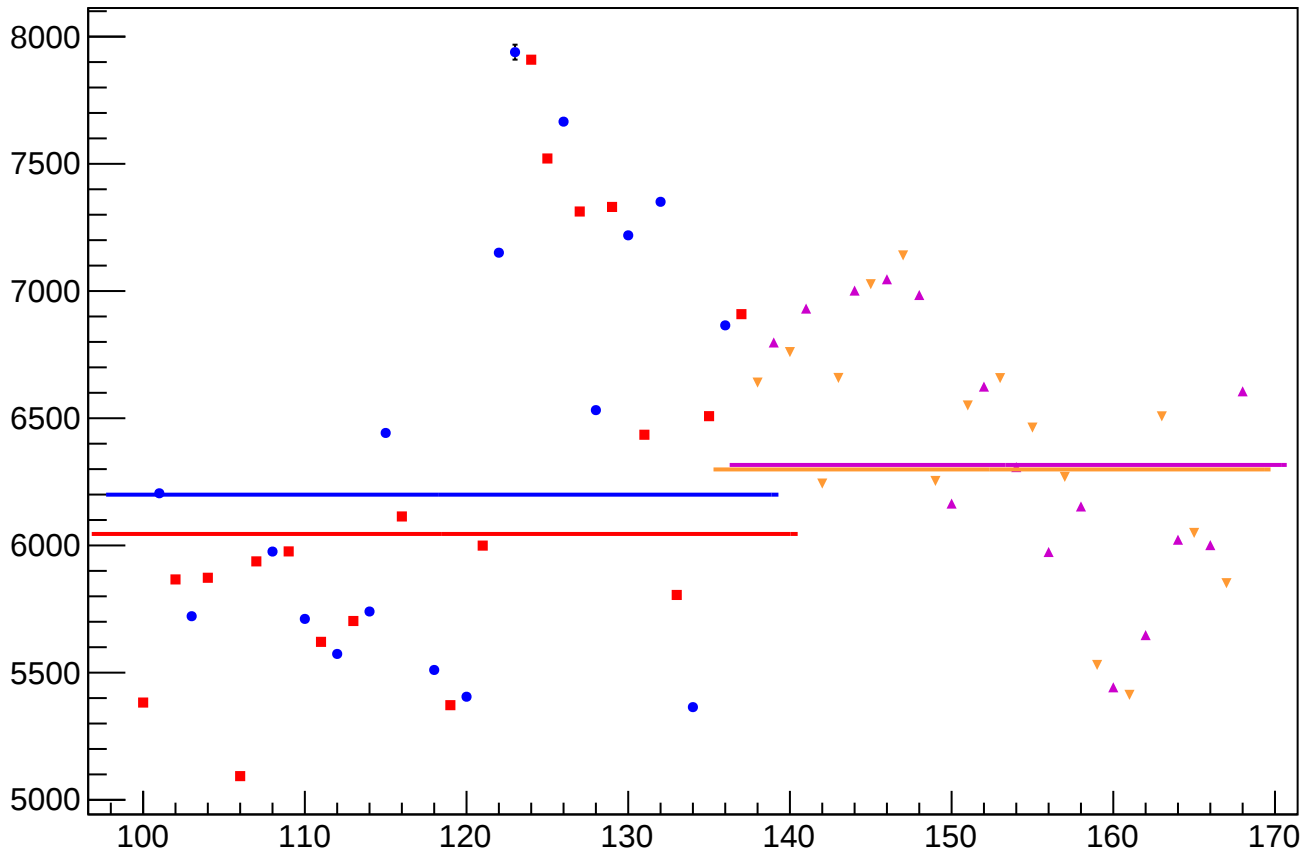
Left In: 11.510 ± 1.860 χ^2/NDF : 19.1/14

+ sign -3.686 ± 1.461 χ^2/NDF : 52.5/32

All: 3.312 ± 1.026 χ^2/NDF : 141.1/66

- sign 10.122 ± 1.441 χ^2/NDF : 43.3/33

diff_bpm0l05X_rms vs Slug



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

Left Out: 6298.759 $\pm$ 1.299 χ^2 /NDF:147914.1/15

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

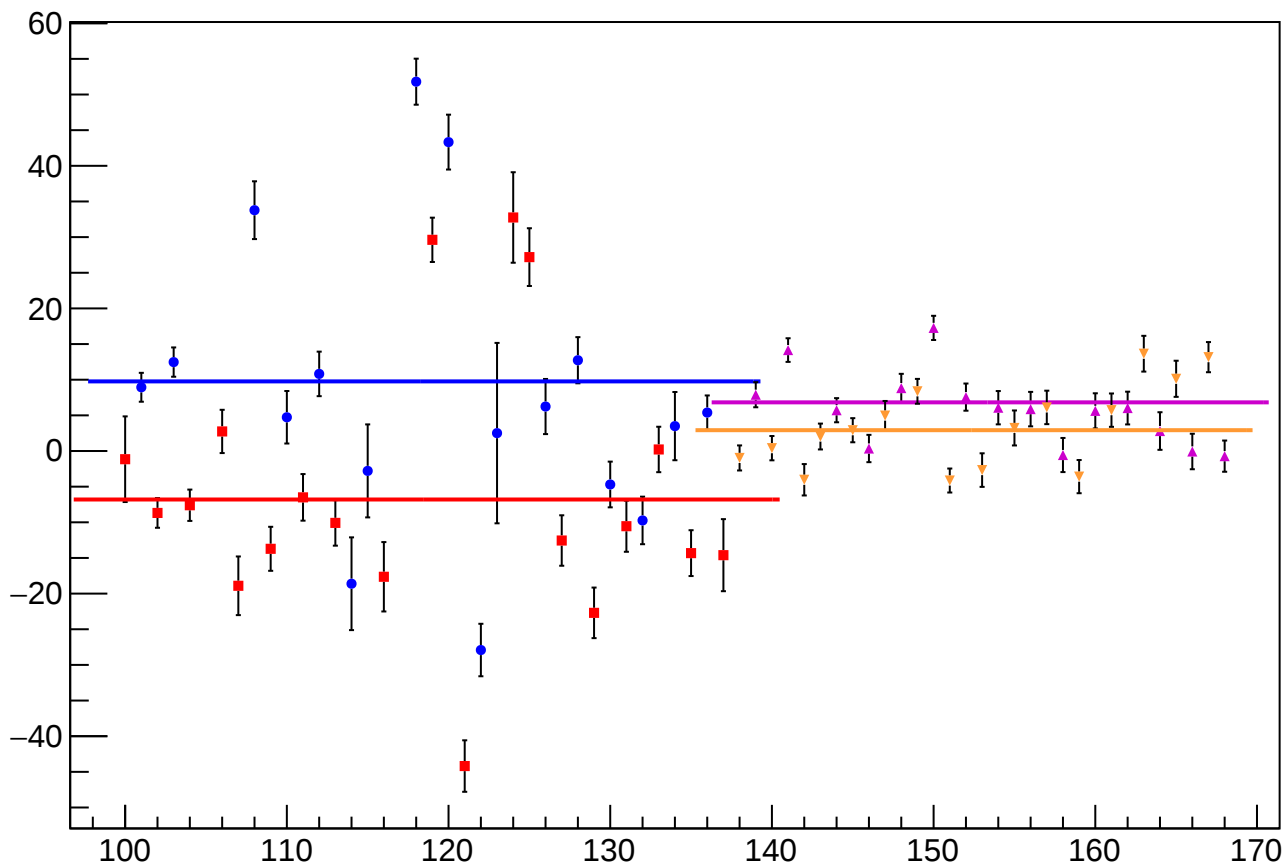
Left In: 6316.464 $\pm$ 1.315 χ^2 /NDF:150393.0/14

+ sign 6262.268 $\pm$ 1.033 χ^2 /NDF: 321817.2/32

All: 6234.739 $\pm$ 0.725 χ^2 /NDF: 648948.5/66

- sign 6207.952 $\pm$ 1.019 χ^2 /NDF: 325729.8/33

diff_bpm0l05Y_mean vs Slug



Right In: 9.764 ± 0.797 χ^2/NDF : 473.8/16

Left Out: 2.921 ± 0.507 χ^2/NDF : 112.3/15

Right Out: -6.801 ± 0.765 χ^2/NDF : 421.8/18

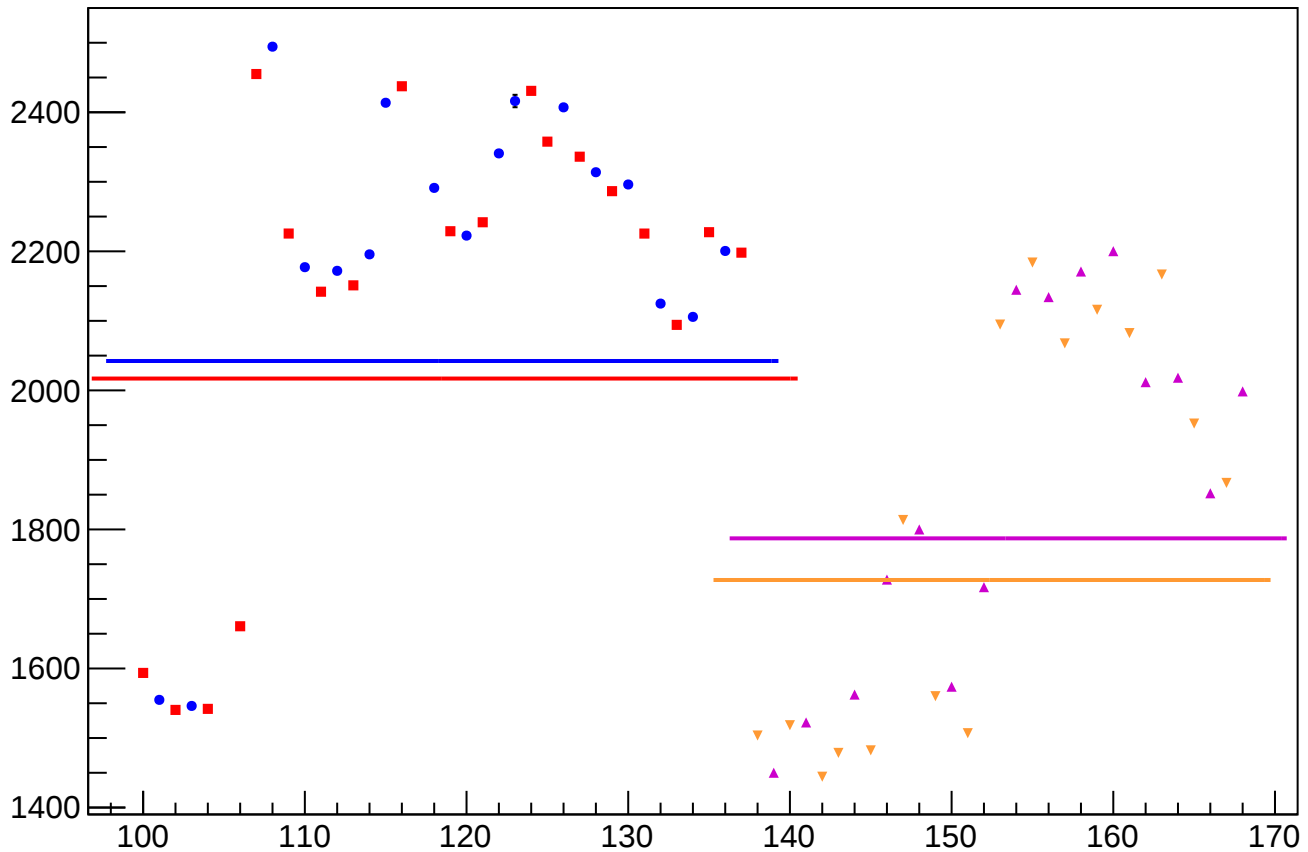
Left In: 6.824 ± 0.529 χ^2/NDF : 102.9/14

+ sign 4.895 ± 0.428 χ^2/NDF : 638.6/32

All: 3.677 ± 0.305 χ^2/NDF : 1394.5/66

- sign 2.419 ± 0.435 χ^2/NDF : 739.5/33

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1727.284+/-0.359 χ^2/NDF : 579118.0/15

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

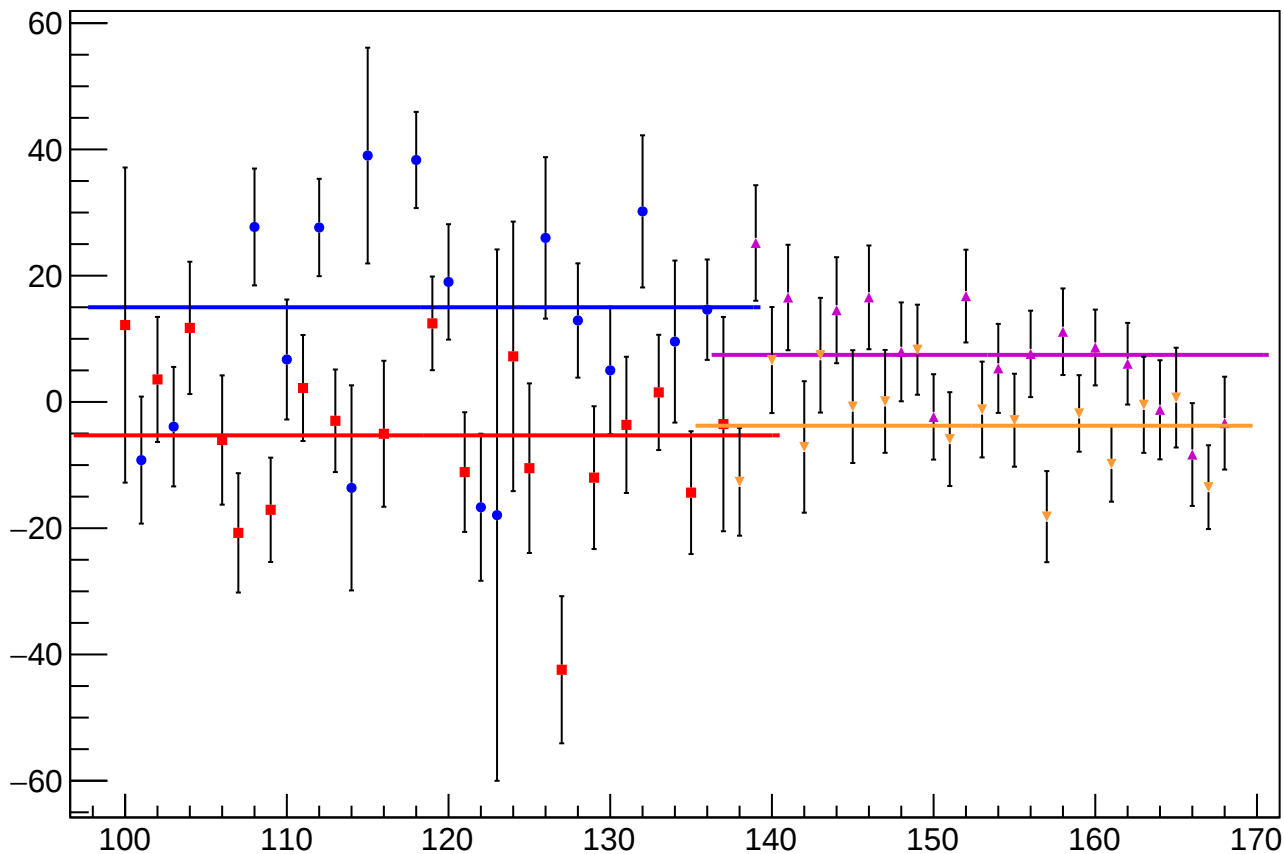
Left In: 1787.160+/-0.374 χ^2/NDF : 446340.2/14

+ sign 1818.172+/-0.303 χ^2/NDF : 1158273.0/32

All: 1839.482+/-0.216 χ^2/NDF : 2112588.6/60

- sign 1861.473+/-0.307 χ^2/NDF : 944242.9/33

diff_bpm0l06X_mean vs Slug



Right In: 14.997 ± 2.485 $\chi^2/\text{NDF}: 41.3/16$

Left Out: -3.764 ± 1.888 $\chi^2/\text{NDF}: 15.4/15$

Right Out: -5.291 ± 2.357 $\chi^2/\text{NDF}: 28.1/18$

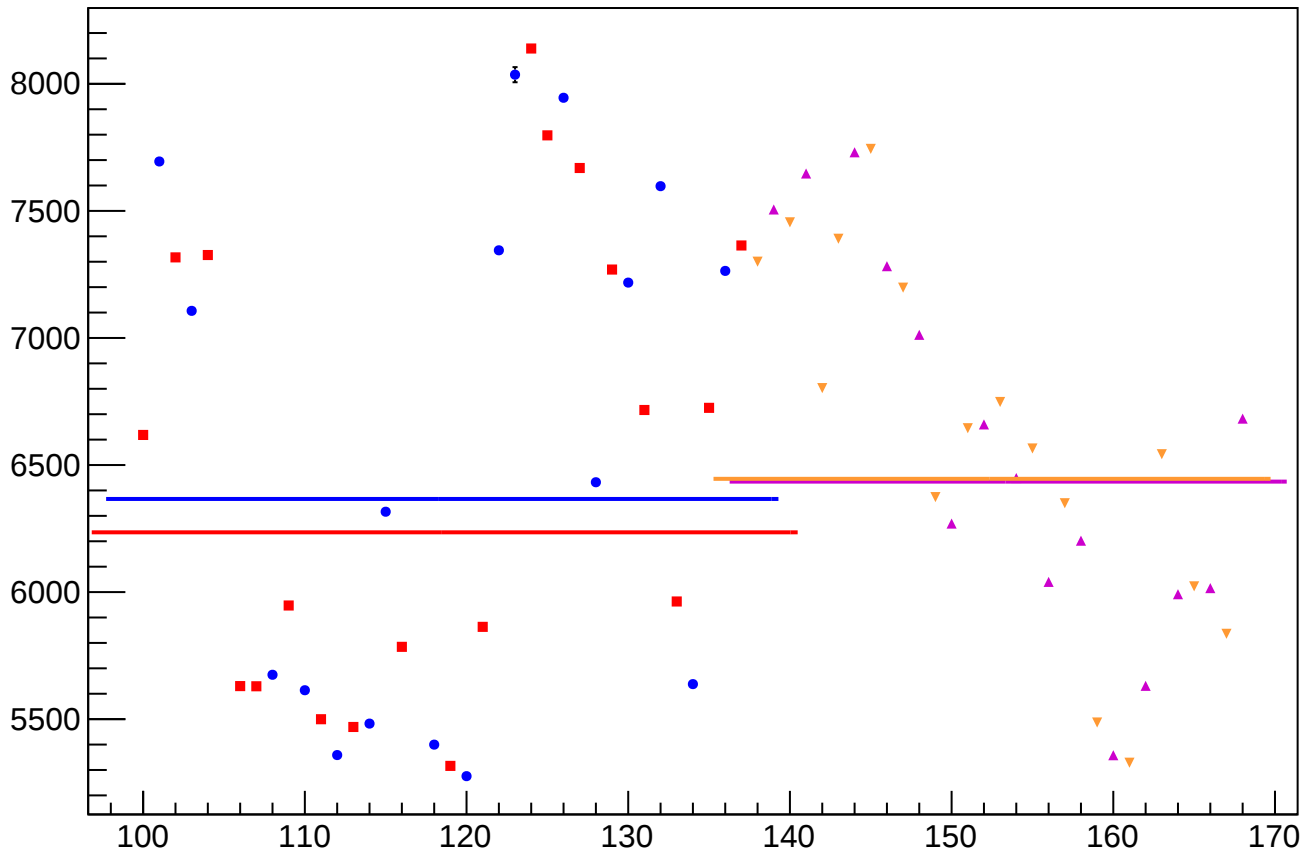
Left In: 7.457 ± 1.903 $\chi^2/\text{NDF}: 18.2/14$

+ sign 3.099 ± 1.503 $\chi^2/\text{NDF}: 92.8/32$

All: 2.758 ± 1.055 $\chi^2/\text{NDF}: 156.9/66$

- sign 2.428 ± 1.481 $\chi^2/\text{NDF}: 64.0/33$

diff_bpm0l06X_rms vs Slug



Right In: 6366.491+/-1.757 χ^2/NDF : 286494.5/16

Left Out: 6445.710+/-1.335 χ^2/NDF : 280392.1/15

Right Out: 6235.179+/-1.667 χ^2/NDF : 243204.0/18

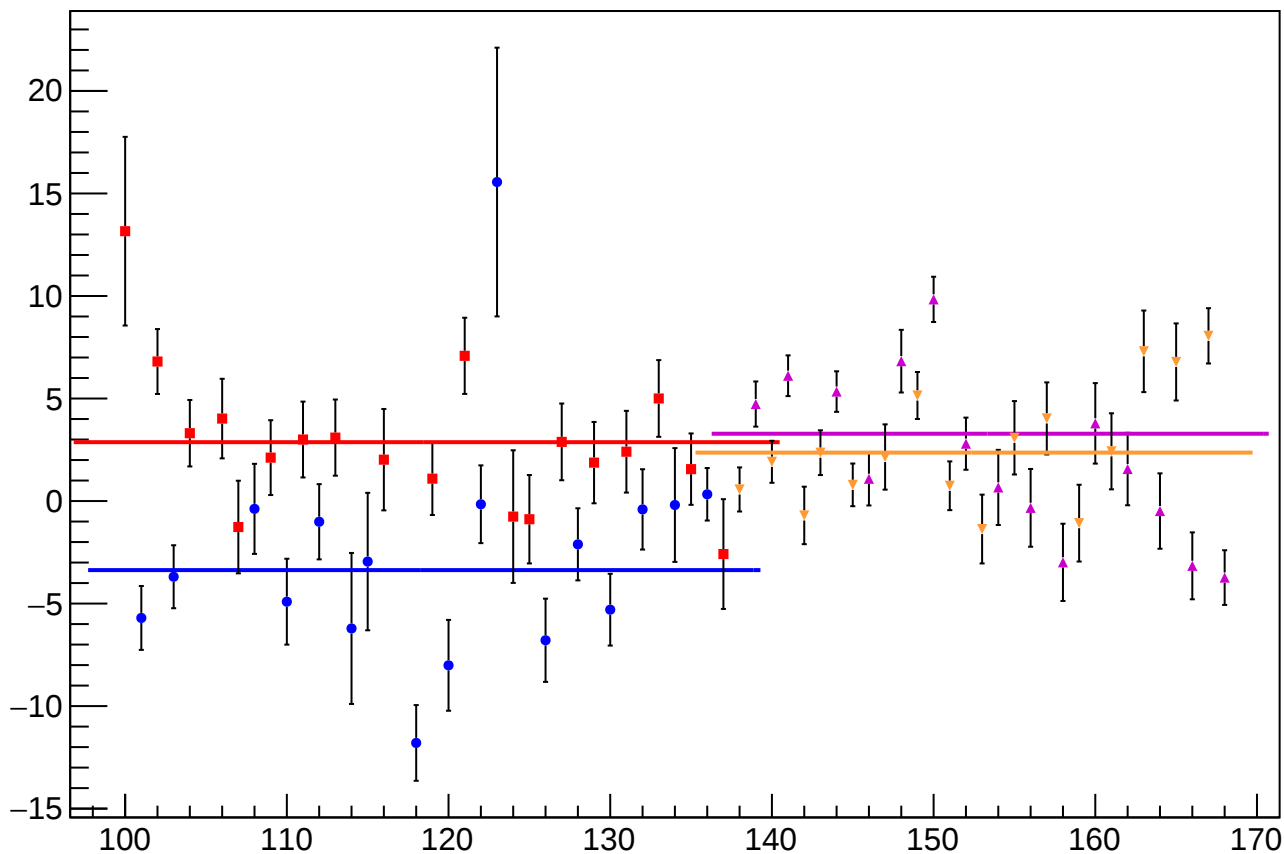
Left In: 6434.733+/-1.346 χ^2/NDF : 270537.5/14

+ sign 6416.729+/-1.063 χ^2/NDF : 568175.3/32

All: 6385.909+/-0.746 χ^2/NDF : 1092250.5/60

- sign 6356.004+/-1.047 χ^2/NDF : 522418.8/33

diff_bpm0l06Y_mean vs Slug



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

Left Out: 2.363 ± 0.341 $\chi^2/\text{NDF}: 56.7/15$

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

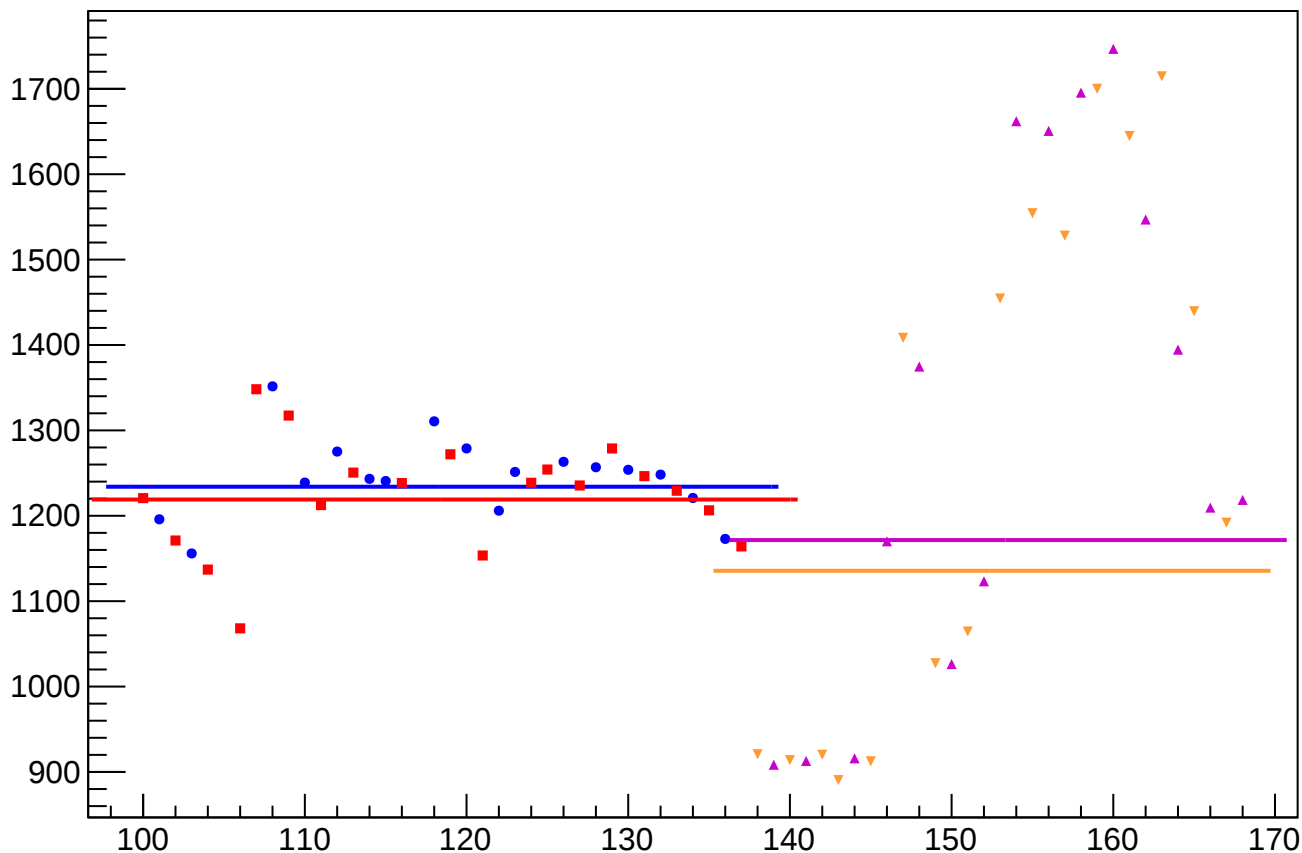
Left In: 3.283 ± 0.354 $\chi^2/\text{NDF}: 123.0/14$

+ sign 0.417 ± 0.277 $\chi^2/\text{NDF}: 212.6/32$

All: 1.760 ± 0.197 $\chi^2/\text{NDF}: 415.6/66$

- sign 3.128 ± 0.280 $\chi^2/\text{NDF}: 155.6/33$

diff_bpm0l06Y_rms vs Slug



Right In: 1234.032 $\pm$ 0.336 χ^2 /NDF: 23565.3/16

Left Out: 1135.569 $\pm$ 0.241 χ^2 /NDF:1336600.6/15

Right Out: 1219.041 $\pm$ 0.323 χ^2 /NDF: 40370.4/18

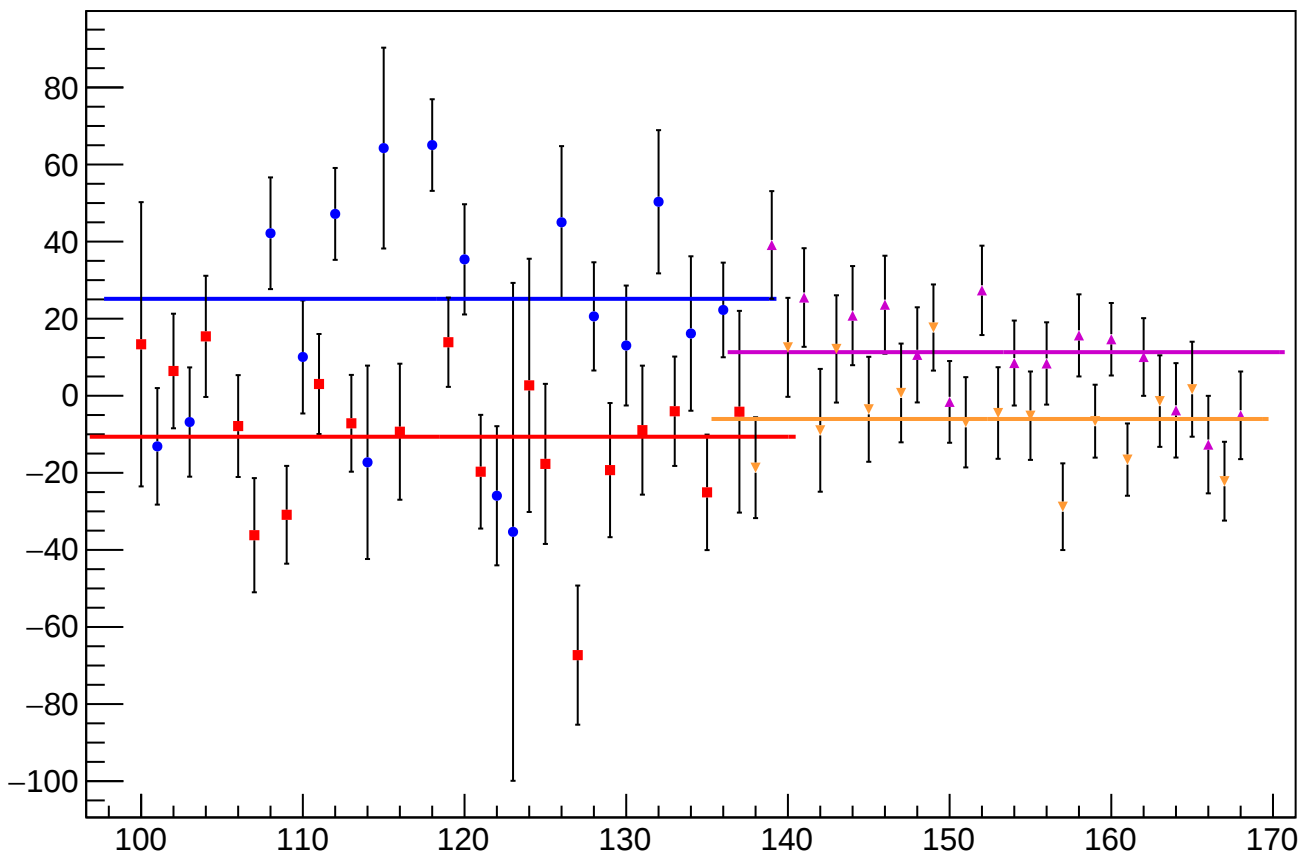
Left In: 1171.567 $\pm$ 0.250 χ^2 /NDF:1177295.0/14

+ sign 1168.993 $\pm$ 0.196 χ^2 /NDF: 1416807.0/32

All: 1179.095 $\pm$ 0.139 χ^2 /NDF: 2653358.5/60

- sign 1189.383 $\pm$ 0.198 χ^2 /NDF: 1231184.3/33

diff_bpm0l07X_mean vs Slug



Right In: 25.149 ± 3.837 χ^2/NDF : 46.9/16

Left Out: -6.025 ± 2.934 χ^2/NDF : 18.0/15

Right Out: -10.634 ± 3.595 χ^2/NDF : 27.7/18

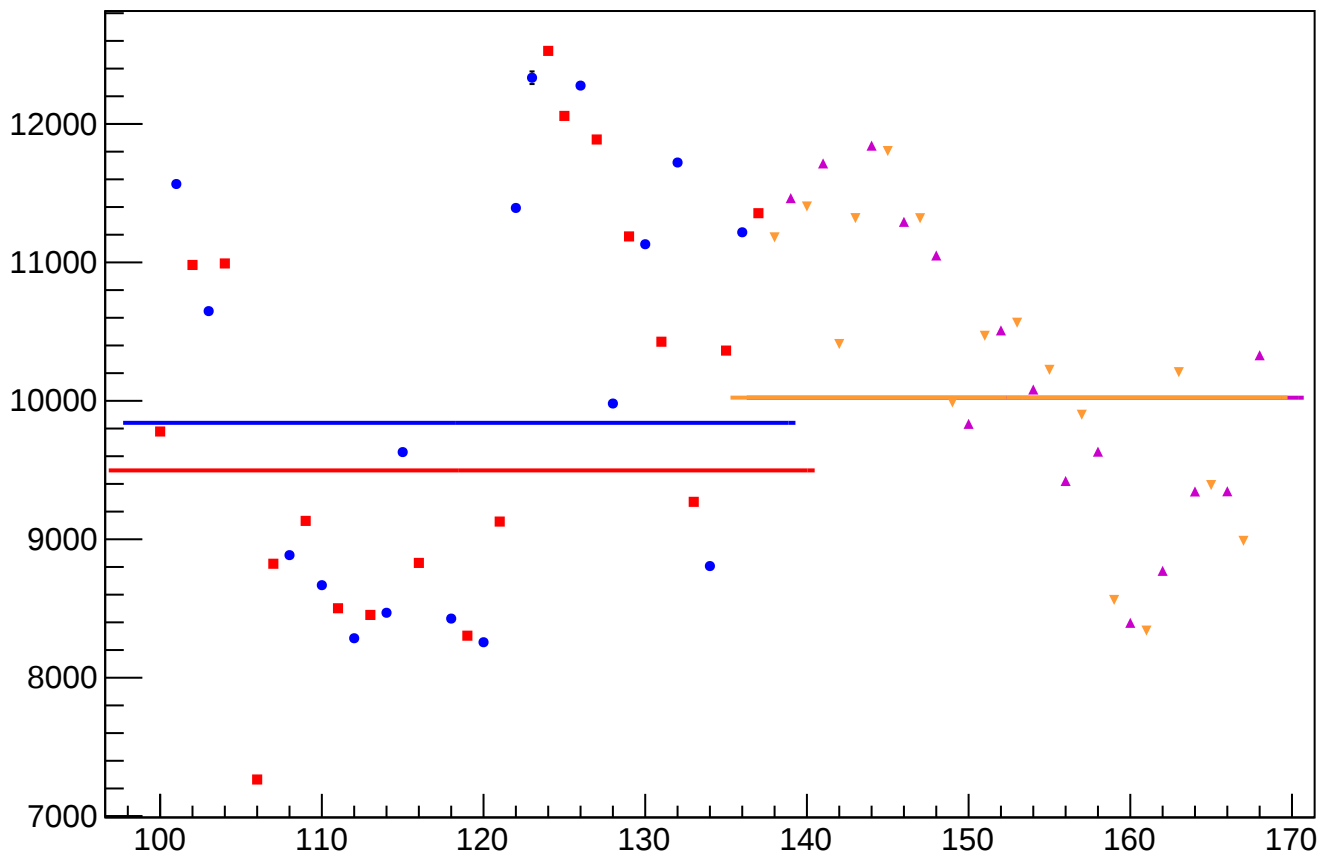
Left In: 11.312 ± 2.962 χ^2/NDF : 17.7/14

+ sign 5.476 ± 2.331 χ^2/NDF : 106.6/32

All: 3.927 ± 1.632 χ^2/NDF : 175.1/66

- sign 2.436 ± 2.286 χ^2/NDF : 67.6/33

diff_bpm0l07X_rms vs Slug



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

Left Out: 10023.193+/-2.075 χ^2/NDF : 258212.3/15

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

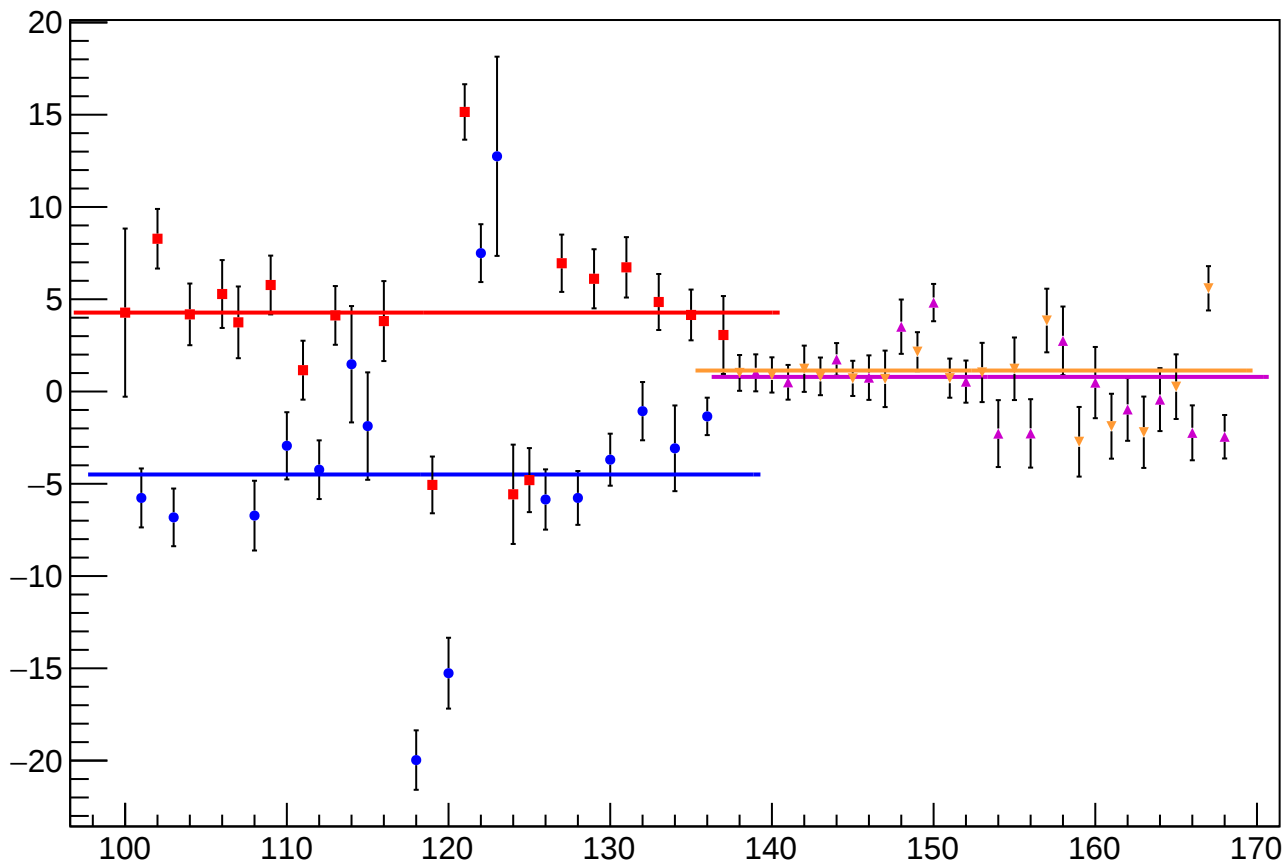
Left In: 10022.689+/-2.095 χ^2/NDF : 247254.4/14

+ sign 9956.039+/-1.648 χ^2/NDF : 521114.3/32

All: 9881.746+/-1.154 χ^2/NDF : 1074483.1/60

- sign 9810.284+/-1.616 χ^2/NDF : 549382.4/33

diff_bpm0l07Y_mean vs Slug



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

Left Out: 1.137 ± 0.316 χ^2/NDF : 28.2/15

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

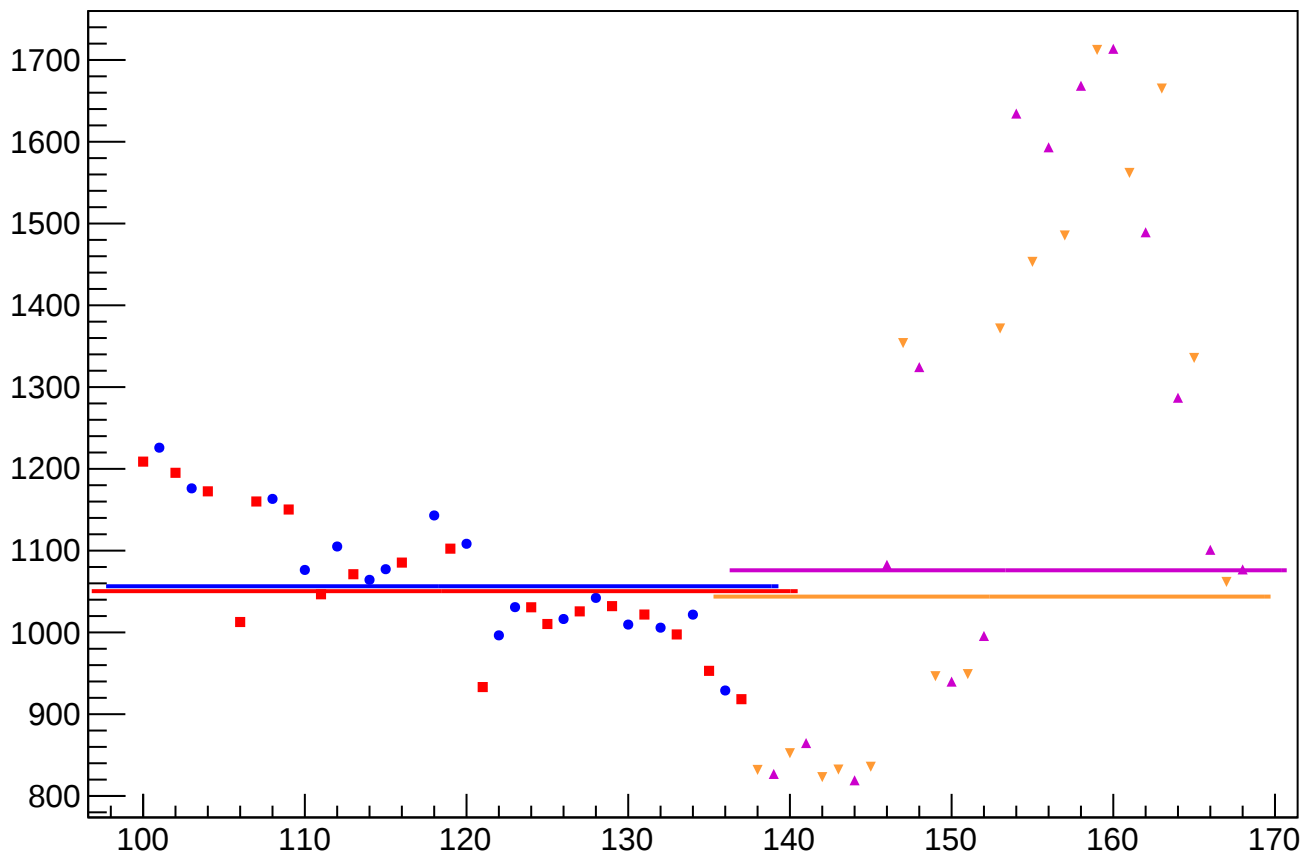
Left In: 0.792 ± 0.328 χ^2/NDF : 40.7/14

+ sign -0.972 ± 0.250 χ^2/NDF : 365.8/32

All: 0.609 ± 0.177 χ^2/NDF : 681.8/66

- sign 2.217 ± 0.252 χ^2/NDF : 235.2/33

diff_bpm0l07Y_rms vs Slug



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

Left Out: 1043.796 $\pm$ 0.223 χ^2 /NDF:1552357.4/15

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

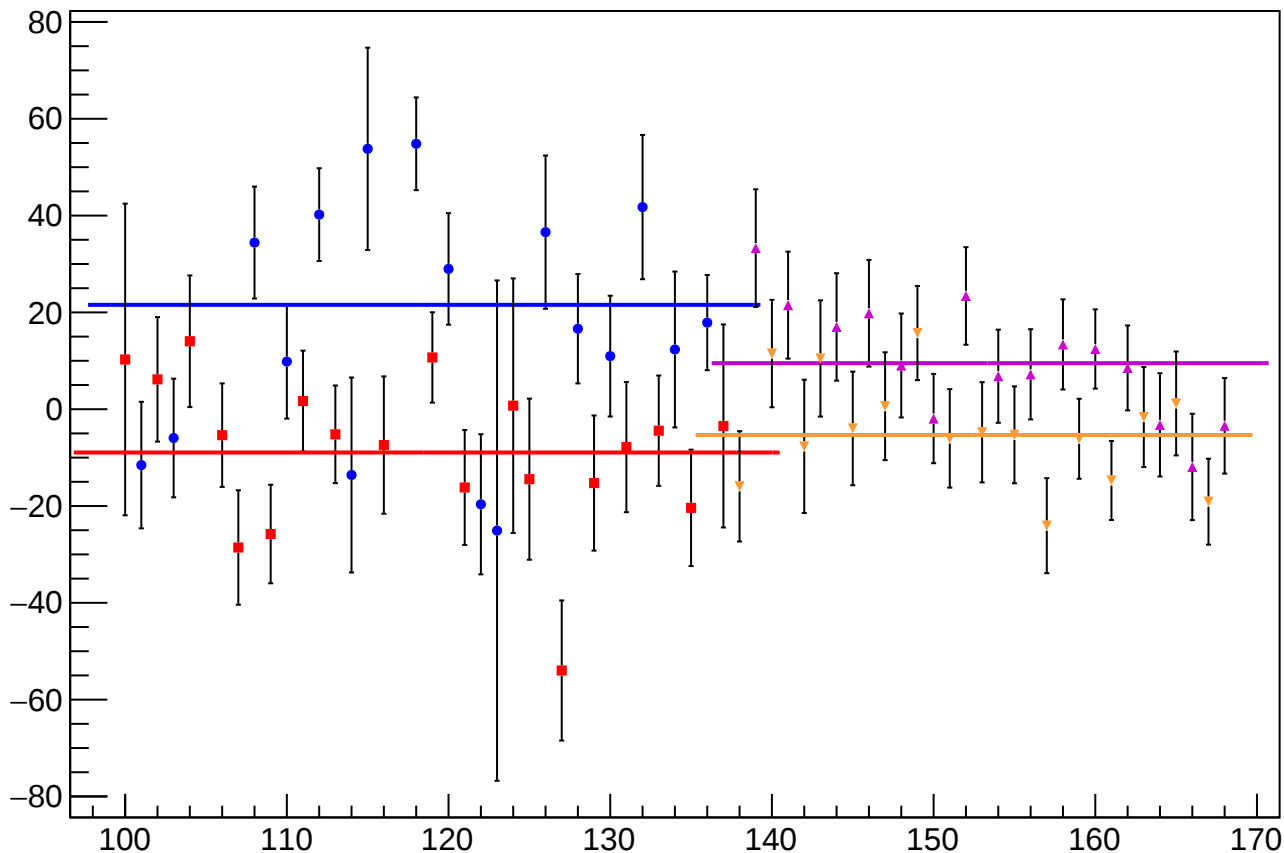
Left In: 1075.963 $\pm$ 0.232 χ^2 /NDF:1412248.7/14

+ sign 1048.527 $\pm$ 0.177 χ^2 /NDF: 1644330.5/32

All: 1056.952 $\pm$ 0.125 χ^2 /NDF: 3148529.8/60

- sign 1065.526 $\pm$ 0.178 χ^2 /NDF: 1499606.5/33

diff_bpm0l08X_mean vs Slug



Right In: 21.561 $\pm$ 3.110 χ^2 /NDF: 48.4/16

Left Out: -5.320 $\pm$ 2.551 χ^2 /NDF:17.8/15

Right Out: -8.943 $\pm$ 2.912 χ^2 /NDF: 27.4/18

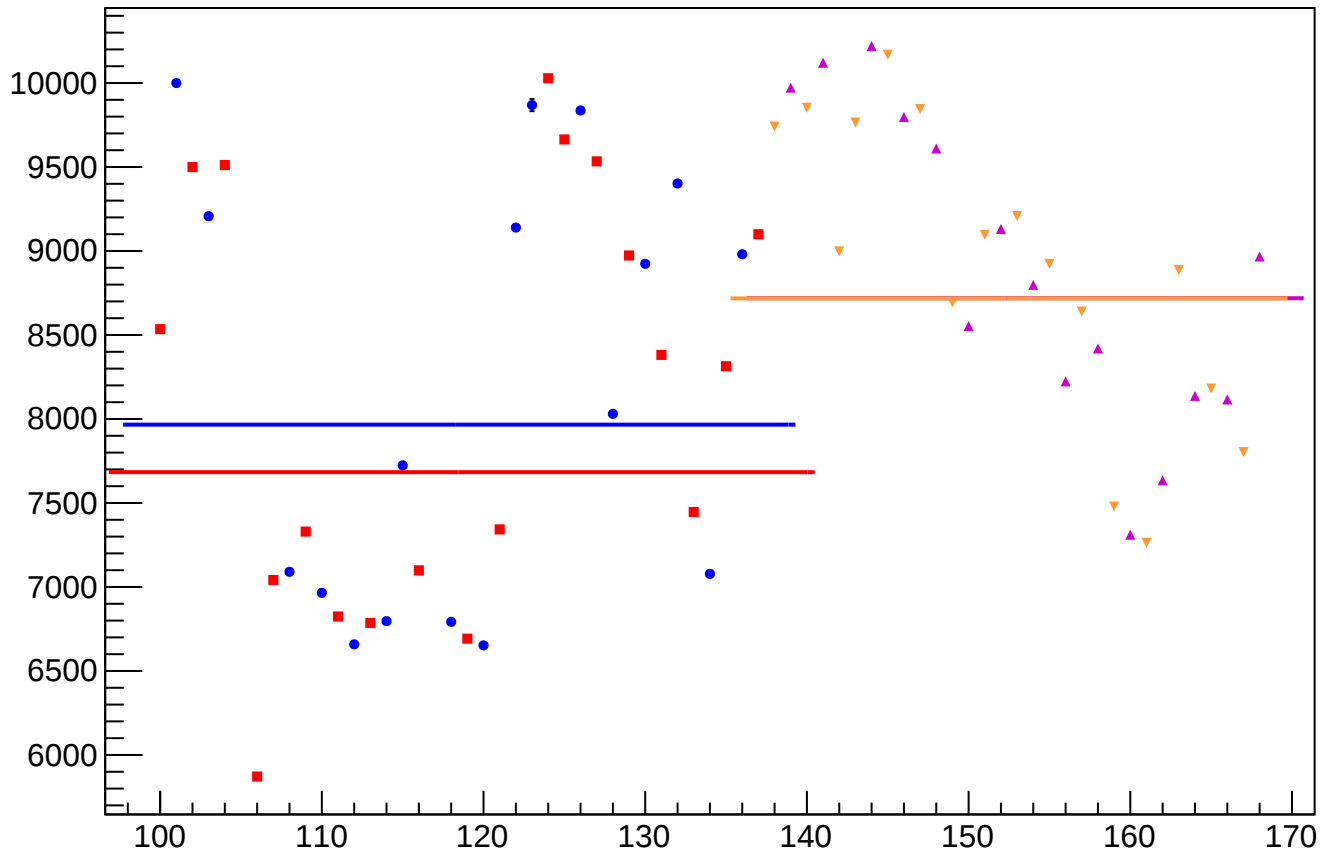
Left In: 9.514 $\pm$ 2.576 χ^2 /NDF:17.2/14

+ sign 5.492 $\pm$ 1.973 χ^2 /NDF: 110.8/32

All: 3.406 $\pm$ 1.379 χ^2 /NDF: 180.2/66

- sign 1.410 $\pm$ 1.929 χ^2 /NDF: 67.2/33

diff_bpm0l08X_rms vs Slug



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

Left Out: 8717.914 $\pm$ 1.804 χ^2 /NDF: 247487.9/15

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

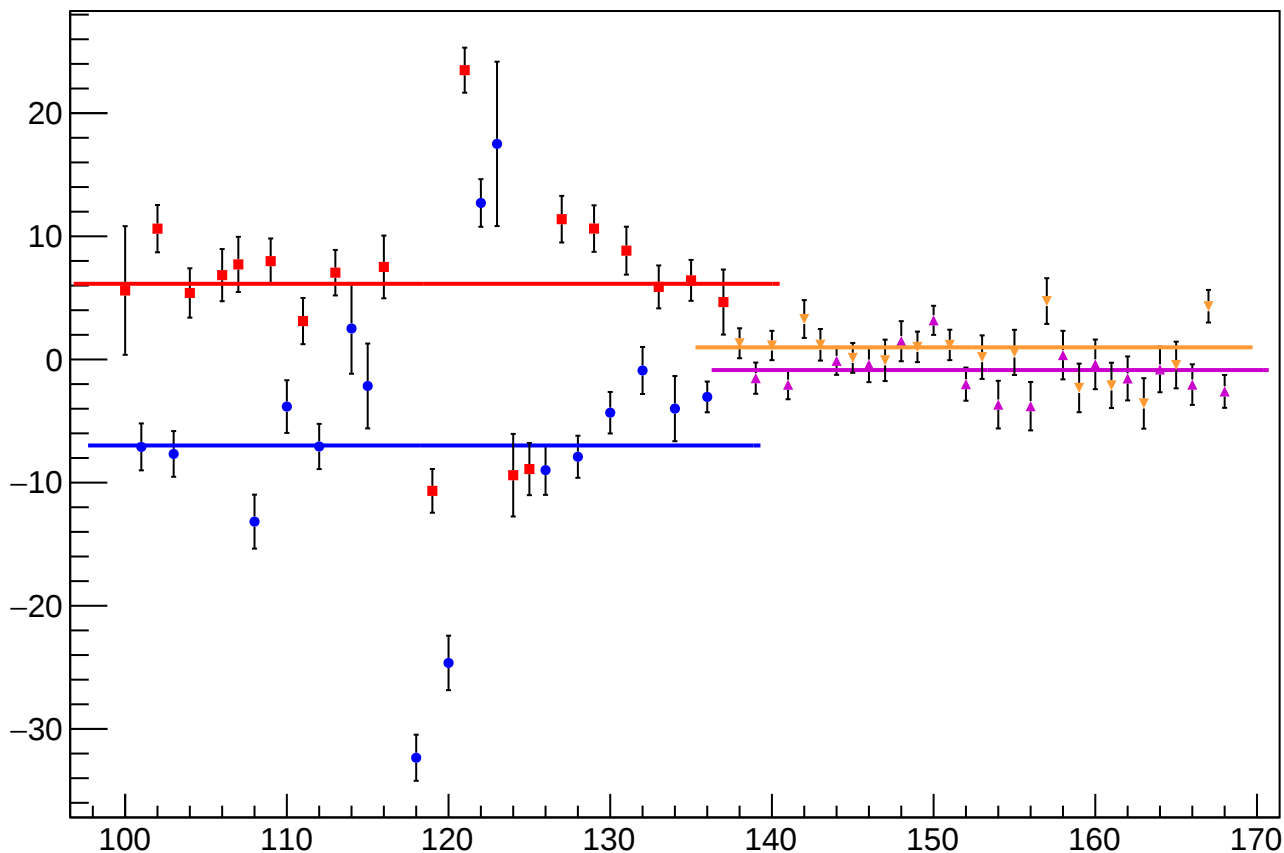
Left In: 8718.946 $\pm$ 1.822 χ^2 /NDF: 237708.9/14

+ sign 8415.648 $\pm$ 1.395 χ^2 /NDF: 613894.3/32

All: 8338.317 $\pm$ 0.975 χ^2 /NDF: 1314521.7/60

- sign 8264.336 $\pm$ 1.364 χ^2 /NDF: 694613.2/33

diff_bpm0l08Y_mean vs Slug



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

Left Out: 0.985 ± 0.370 χ^2/NDF : 25.1/15

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

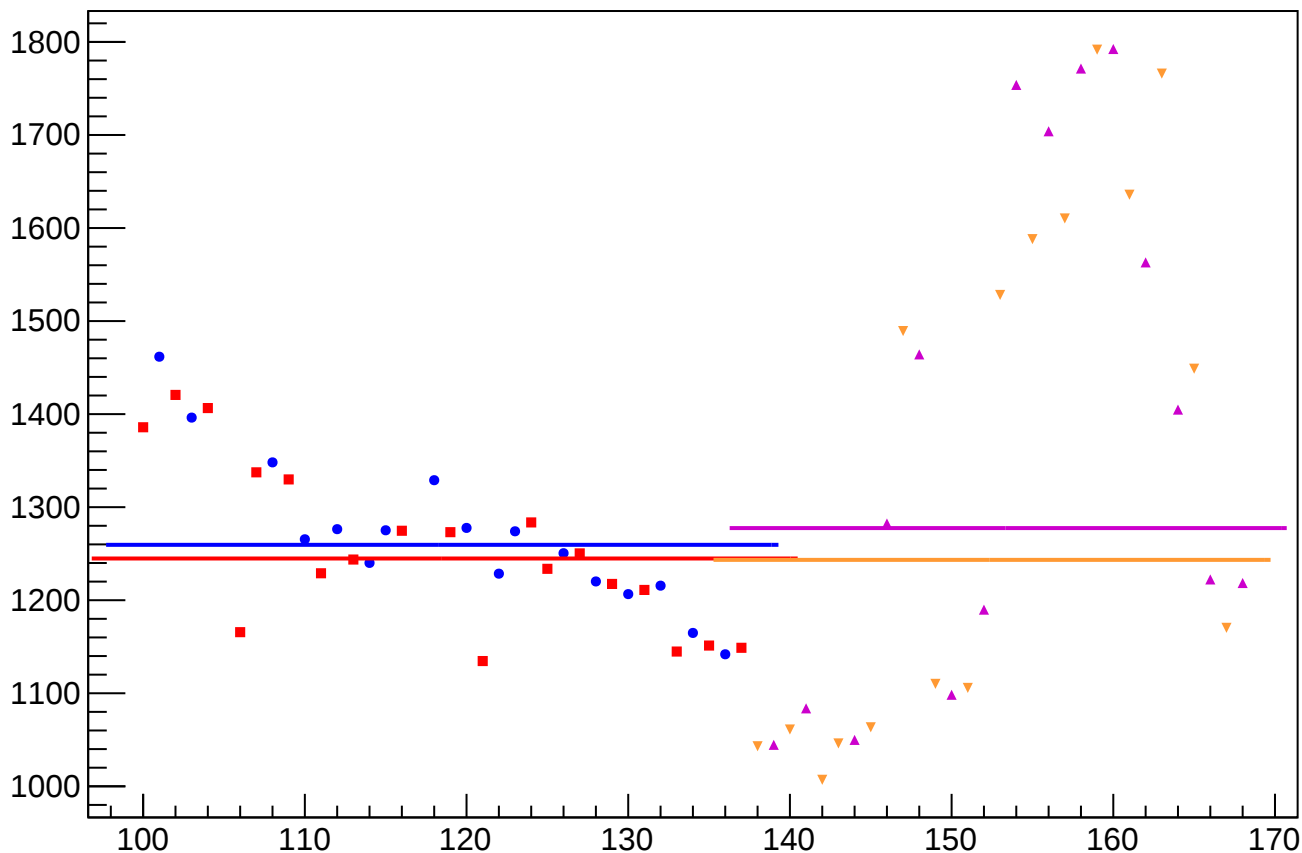
Left In: -0.861 ± 0.383 χ^2/NDF : 23.4/14

+ sign -1.938 ± 0.294 χ^2/NDF : 603.7/32

All: -0.000 ± 0.209 χ^2/NDF : 1126.4/66

- sign 1.957 ± 0.296 χ^2/NDF : 435.6/33

diff_bpm0l08Y_rms vs Slug



Right In: 1259.531+/-0.344 χ^2/NDF : 64844.4/16

Left Out: 1243.366+/-0.262 χ^2/NDF : 936392.1/15

Right Out: 1244.837+/-0.330 χ^2/NDF : 66826.0/18

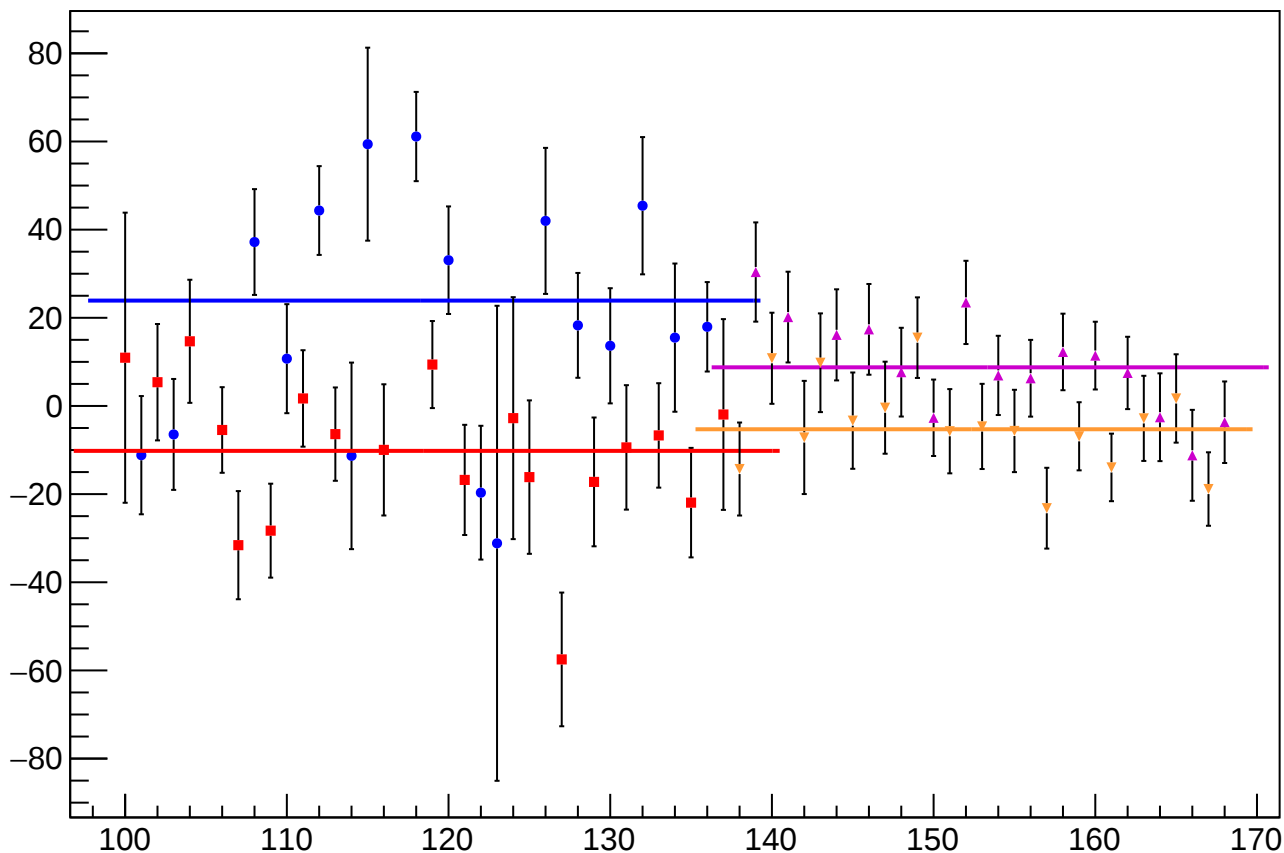
Left In: 1277.523+/-0.271 χ^2/NDF : 821323.1/14

+ sign 1249.297+/-0.208 χ^2/NDF : 1002636.3/32

All: 1256.797+/-0.148 χ^2/NDF : 1899258.2/60

- sign 1264.374+/-0.209 χ^2/NDF : 894013.8/33

diff_bpm0l09X_mean vs Slug



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

Left Out: -5.287 ± 2.385 $\chi^2/\text{NDF}: 18.8/15$

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

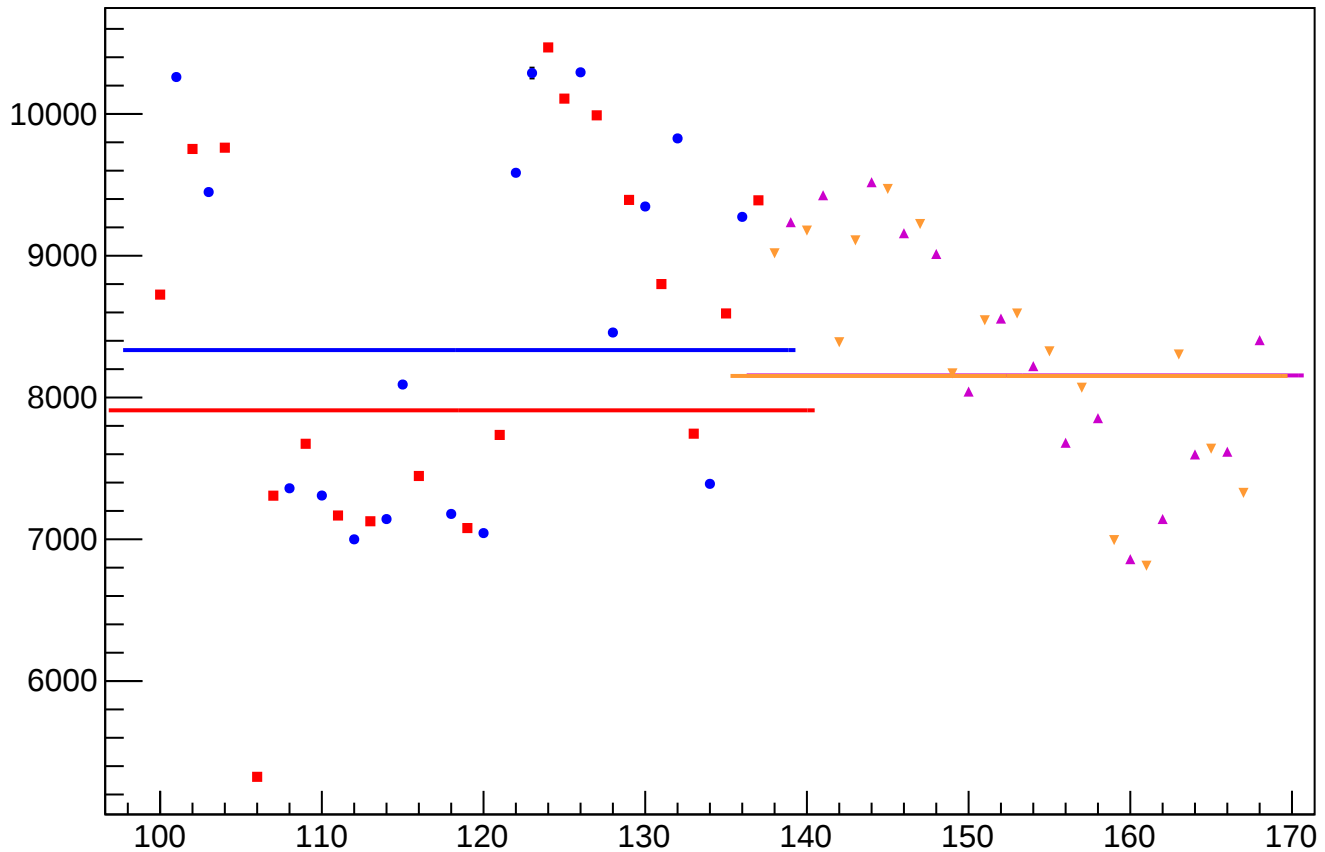
Left In: 8.764 ± 2.409 $\chi^2/\text{NDF}: 17.6/14$

+ sign 4.929 ± 1.923 $\chi^2/\text{NDF}: 123.6/32$

All: 3.099 ± 1.344 $\chi^2/\text{NDF}: 195.1/66$

- sign 1.350 ± 1.880 $\chi^2/\text{NDF}: 69.7/33$

diff_bpm0l09X_rms vs Slug



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

Left Out: 8152.161 $\pm$ 1.687 χ^2 /NDF: 238250.6/15

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

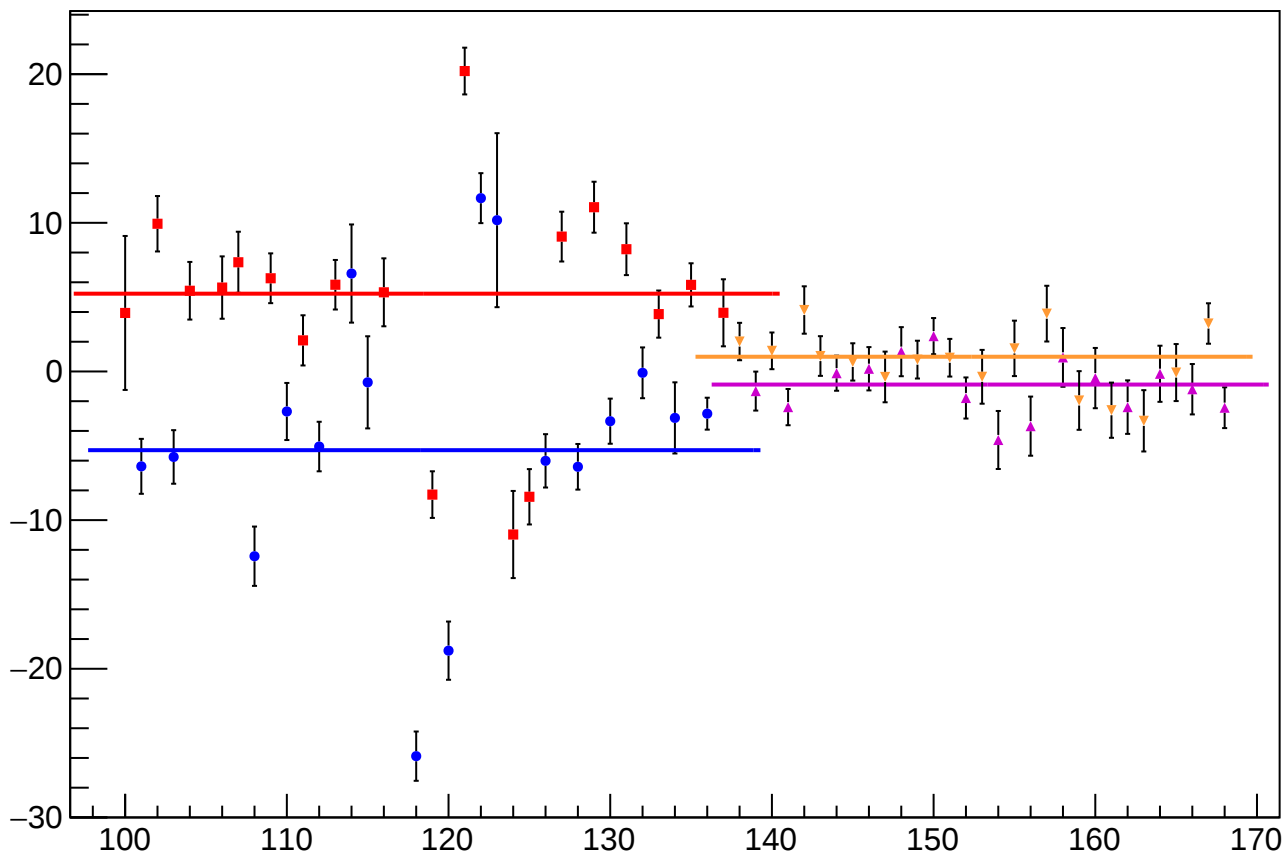
Left In: 8155.768 $\pm$ 1.703 χ^2 /NDF: 230075.1/14

+ sign 8215.978 $\pm$ 1.360 χ^2 /NDF: 514644.2/32

All: 8135.952 $\pm$ 0.951 χ^2 /NDF: 1150478.9/66

- sign 8059.485 $\pm$ 1.329 χ^2 /NDF: 629061.5/33

diff_bpm0l09Y_mean vs Slug



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

Left Out: 0.991 ± 0.380 χ^2/NDF : 21.8/15

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

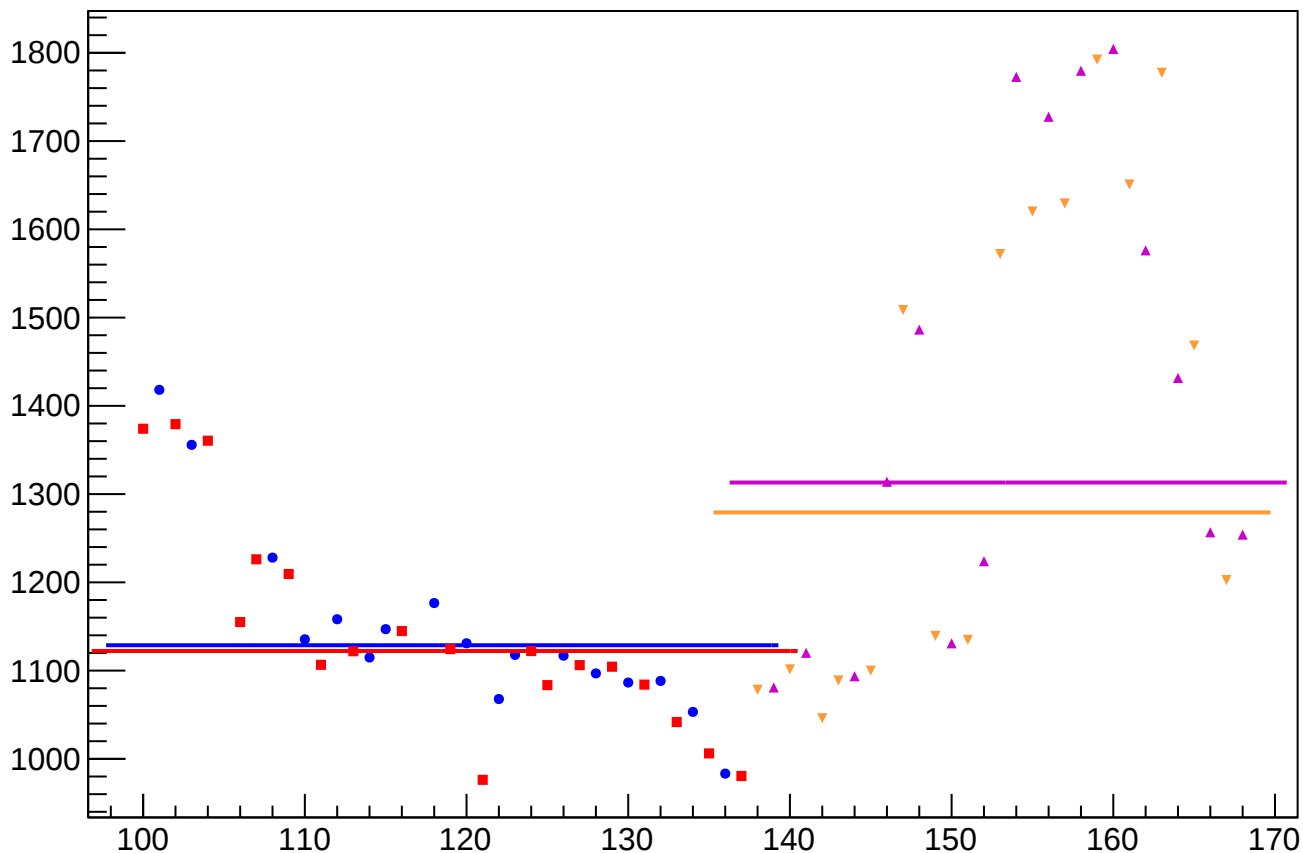
Left In: -0.880 ± 0.392 χ^2/NDF : 20.7/14

+ sign -1.715 ± 0.287 χ^2/NDF : 497.9/32

All: 0.117 ± 0.203 χ^2/NDF : 995.0/66

- sign 1.958 ± 0.287 χ^2/NDF : 415.2/33

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1279.236 $\pm$ 0.269 χ^2 /NDF: 849888.3/15

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

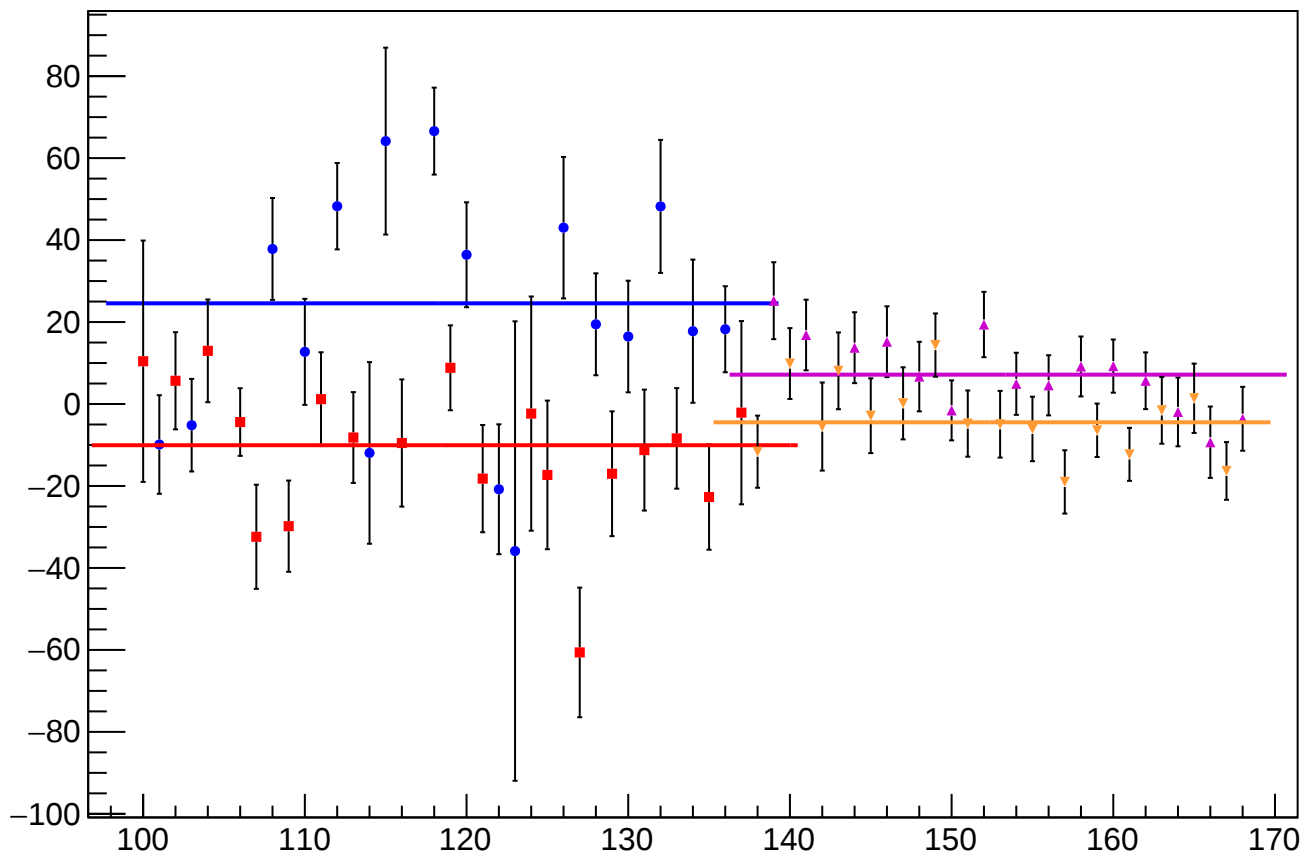
Left In: 1313.110 $\pm$ 0.278 χ^2 /NDF: 740428.6/14

+ sign 1214.461 $\pm$ 0.203 χ^2 /NDF: 1118190.4/32

All: 1219.469 $\pm$ 0.143 χ^2 /NDF: 2209023.1/60

- sign 1224.502 $\pm$ 0.203 χ^2 /NDF: 1089608.0/33

diff_bpm0l10X_mean vs Slug



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

Left Out: -4.462 ± 2.008 $\chi^2/\text{NDF}: 20.1/15$

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

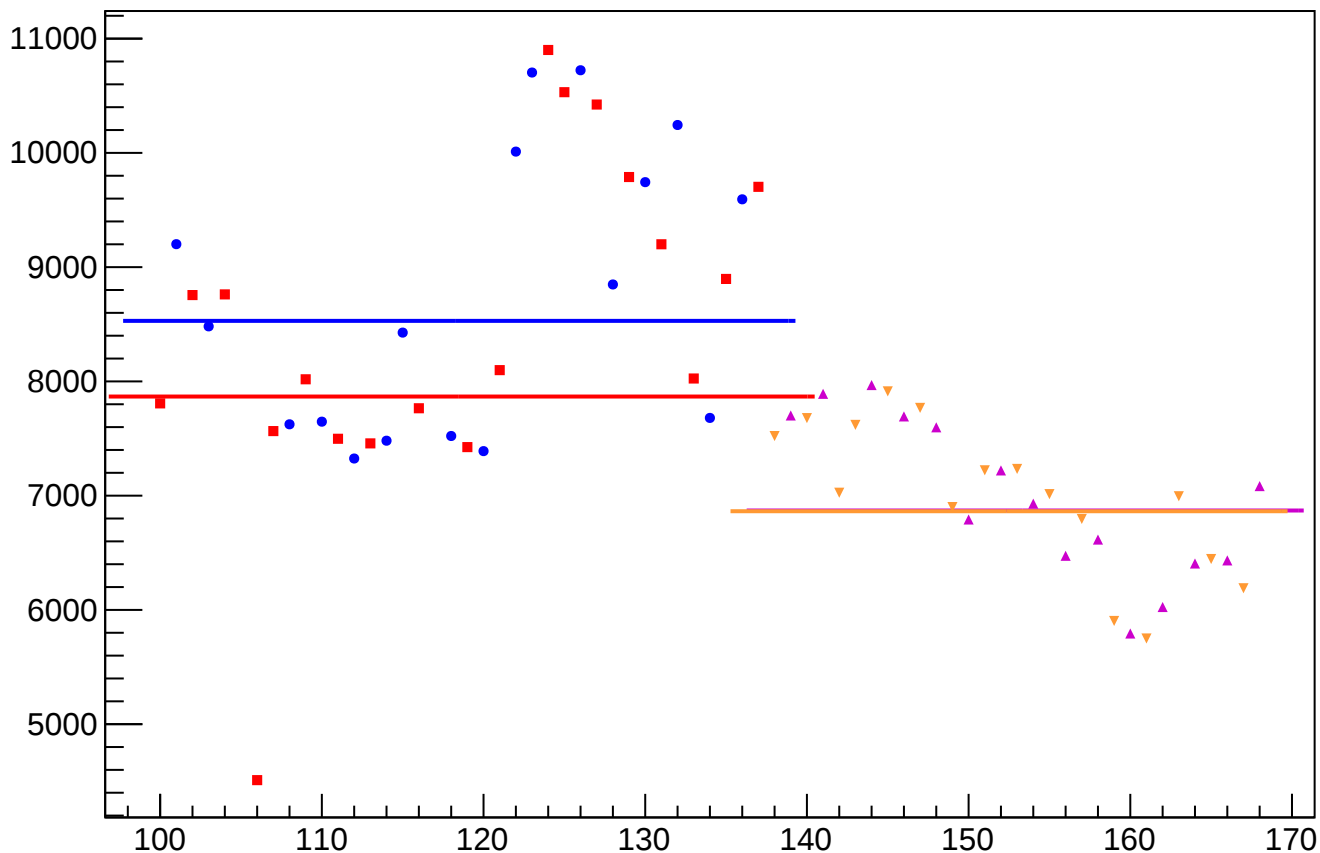
Left In: 7.162 ± 2.029 $\chi^2/\text{NDF}: 17.3/14$

+ sign 3.316 ± 1.718 $\chi^2/\text{NDF}: 134.2/32$

All: 2.531 ± 1.202 $\chi^2/\text{NDF}: 203.2/66$

- sign 1.778 ± 1.682 $\chi^2/\text{NDF}: 68.6/33$

diff_bpm0l10X_rms vs Slug



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

Left Out: 6863.797+/-1.420 χ^2/NDF : 225461.0/15

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

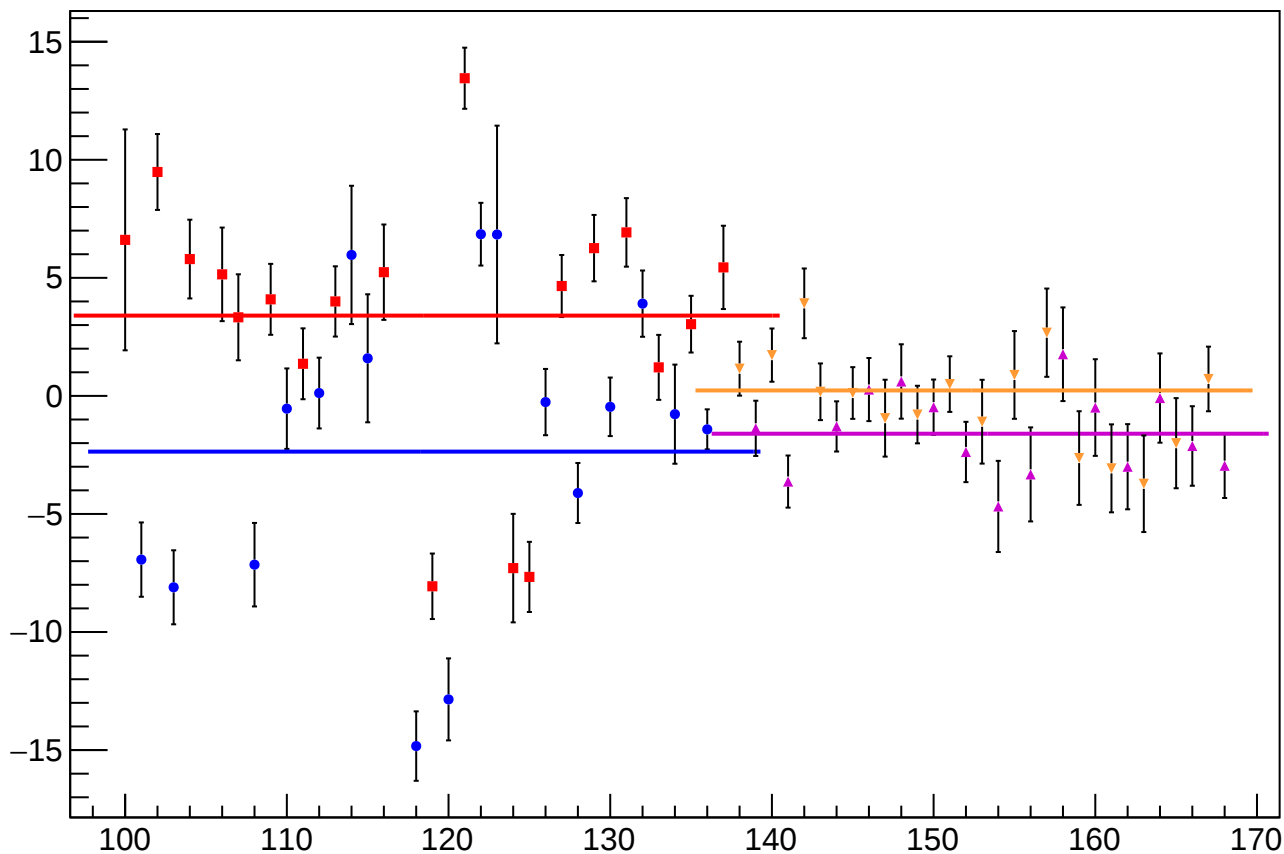
Left In: 6870.058+/-1.434 χ^2/NDF : 218828.0/14

+ sign 7310.171+/-1.215 χ^2/NDF : 802857.4/32

All: 7244.716+/-0.850 χ^2/NDF : 1734427.2/60

- sign 7181.964+/-1.189 χ^2/NDF : 925881.0/33

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.231 ± 0.358 χ^2/NDF : 22.8/15

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

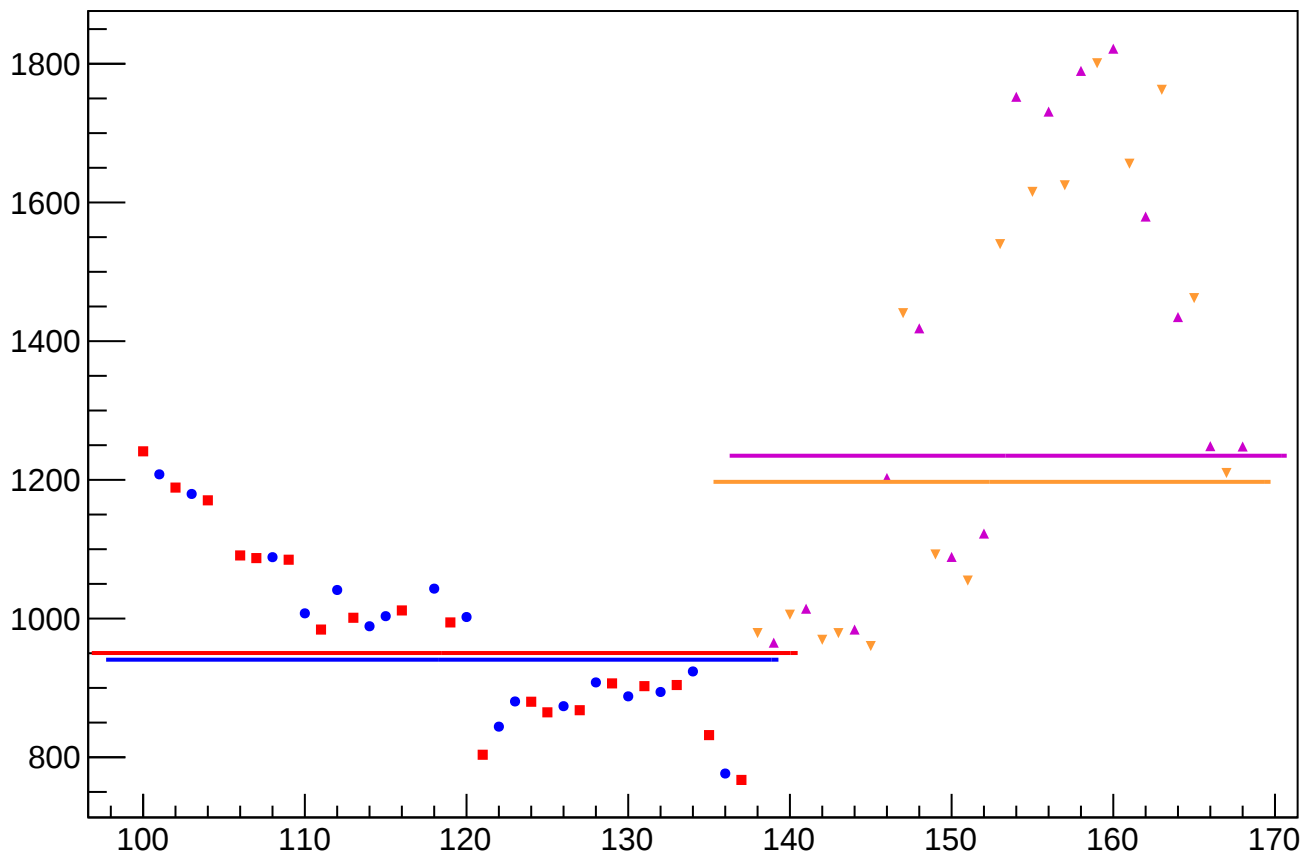
Left In: -1.602 ± 0.372 χ^2/NDF : 17.5/14

+ sign -1.038 ± 0.256 χ^2/NDF : 280.4/32

All: -0.031 ± 0.182 χ^2/NDF : 664.5/66

- sign 0.993 ± 0.258 χ^2/NDF : 352.8/33

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1197.152+/-0.253 χ^2/NDF :1205090.5/15

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

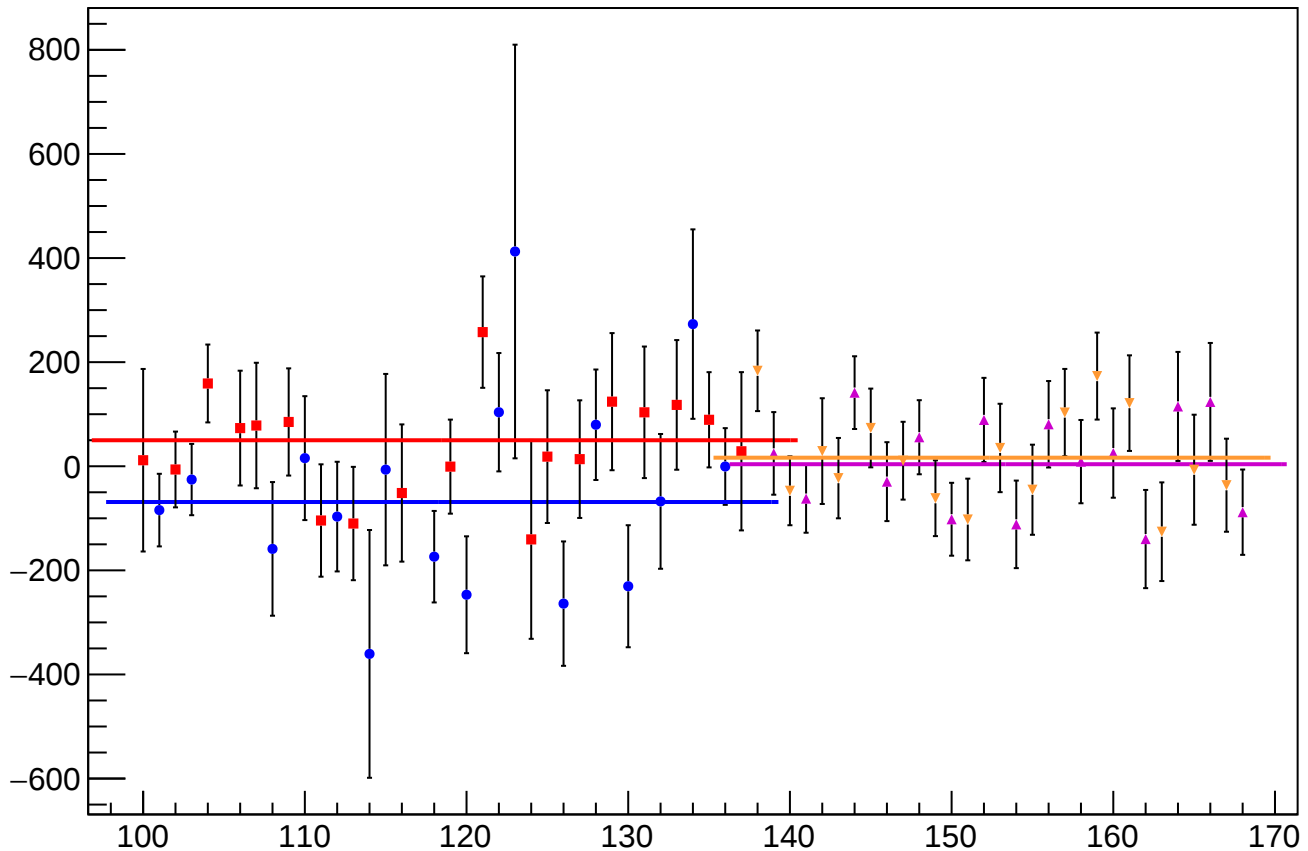
Left In: 1234.812+/-0.263 χ^2/NDF :1056962.5/14

+ sign 1071.535+/-0.181 χ^2/NDF : 1949150.8/32

All: 1079.320+/-0.128 χ^2/NDF : 3837728.8/60

- sign 1087.236+/-0.182 χ^2/NDF : 1884842.8/33

diff_bpm0r03X_mean vs Slug



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

Left Out: 16.459 ± 20.556 χ^2/NDF : 18.9/15

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

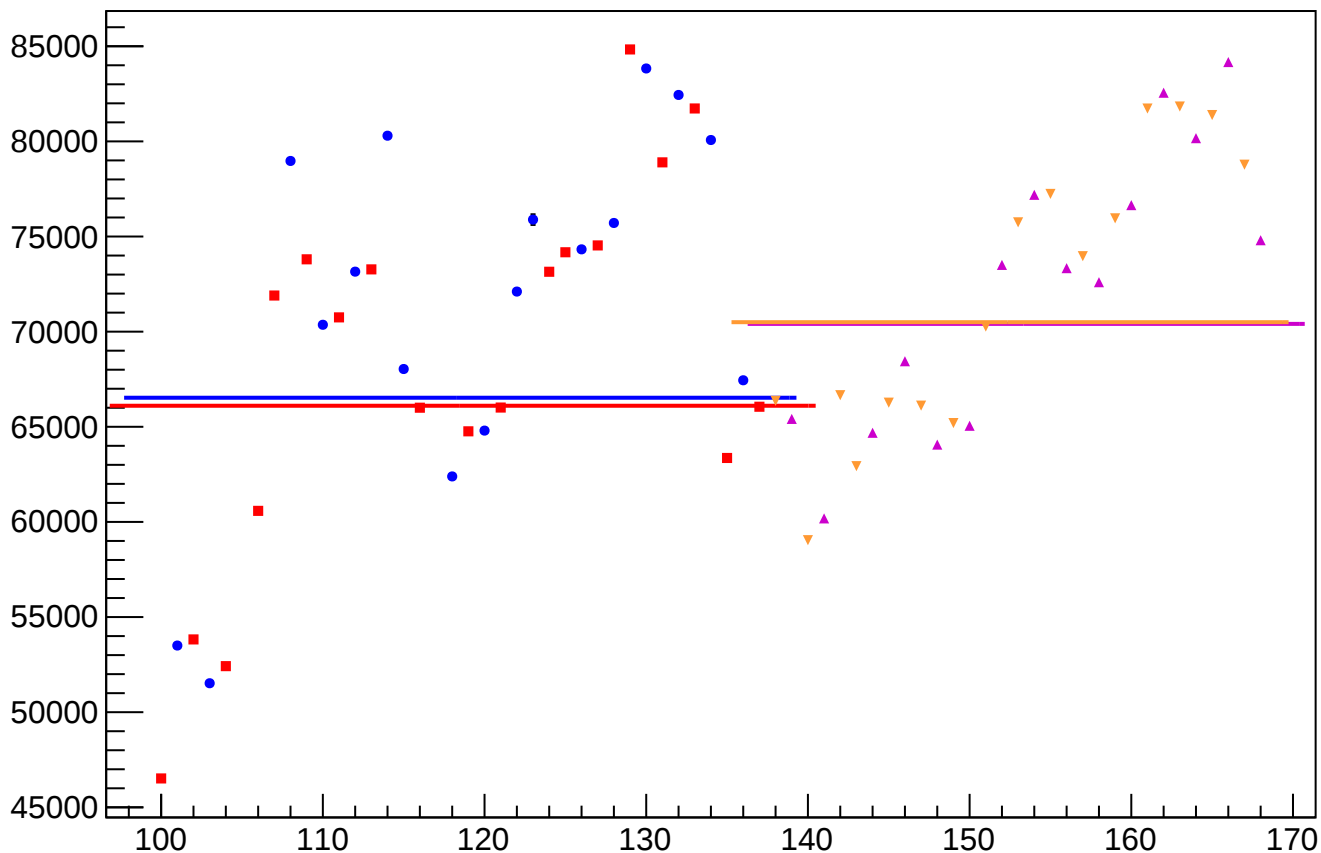
Left In: 3.931 ± 20.702 χ^2/NDF : 17.7/14

+ sign -16.377 ± 16.112 χ^2/NDF : 47.3/32

All: 3.327 ± 11.335 χ^2/NDF : 84.0/66

- sign 22.636 ± 15.950 χ^2/NDF : 33.7/33

diff_bpm0r03X_rms vs Slug



Right In: 66527.251+/-18.347 χ^2/NDF : 320887.2/16

Left Out: 70497.762+/-14.536 χ^2/NDF : 240017.4/15

Right Out: 66105.849+/-17.692 χ^2/NDF : 298485.4/18

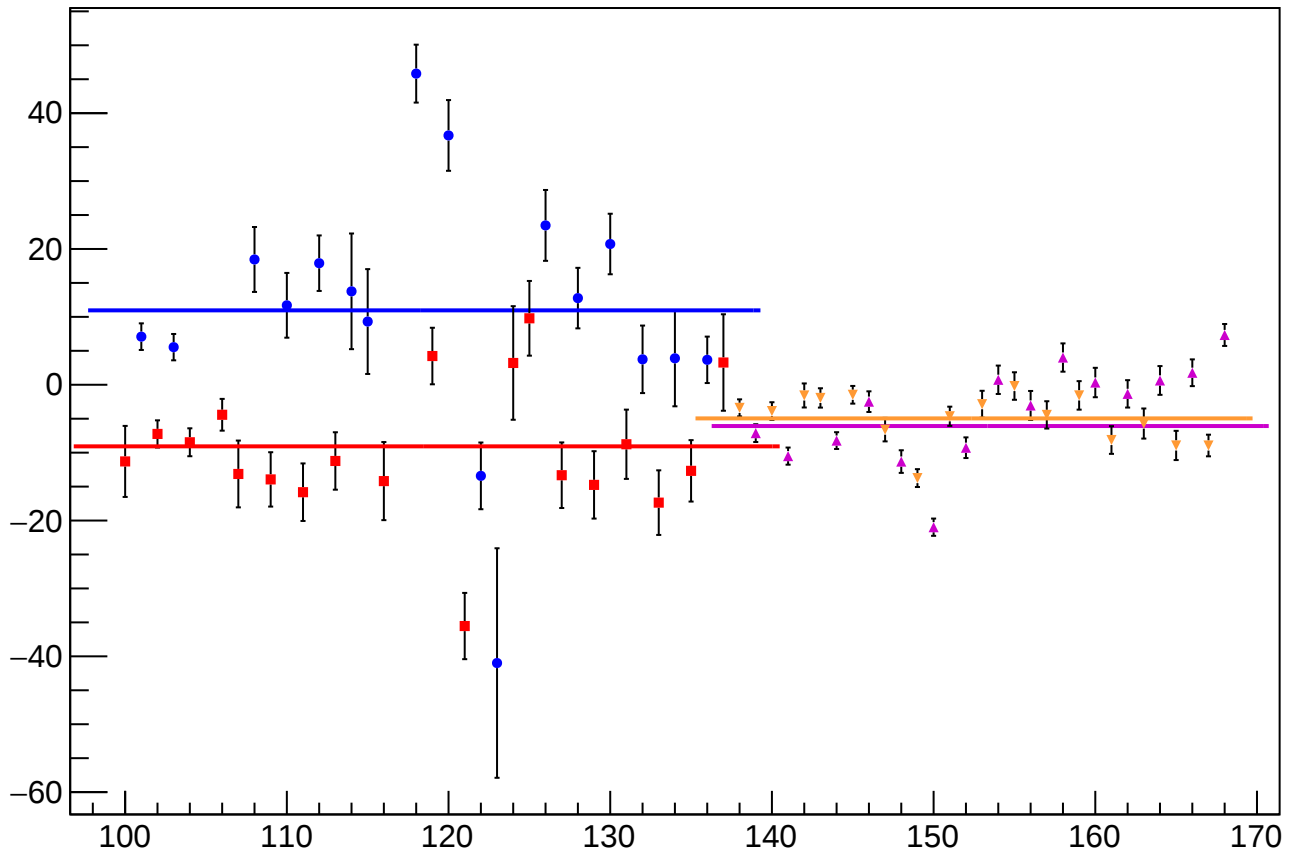
Left In: 70408.531+/-14.639 χ^2/NDF : 215204.5/14

+ sign 68966.583+/-11.393 χ^2/NDF : 589679.2/32

All: 68811.688+/-8.015 χ^2/NDF : 1138845.7/6

- sign 68659.900+/-11.278 χ^2/NDF : 548800.5/33

diff_bpm0r03Y_mean vs Slug



Right In: 10.958 ± 0.943 χ^2/NDF : 160.9/16

Left Out: -4.955 ± 0.406 χ^2/NDF : 84.7/15

Right Out: -9.072 ± 0.866 χ^2/NDF : 73.1/18

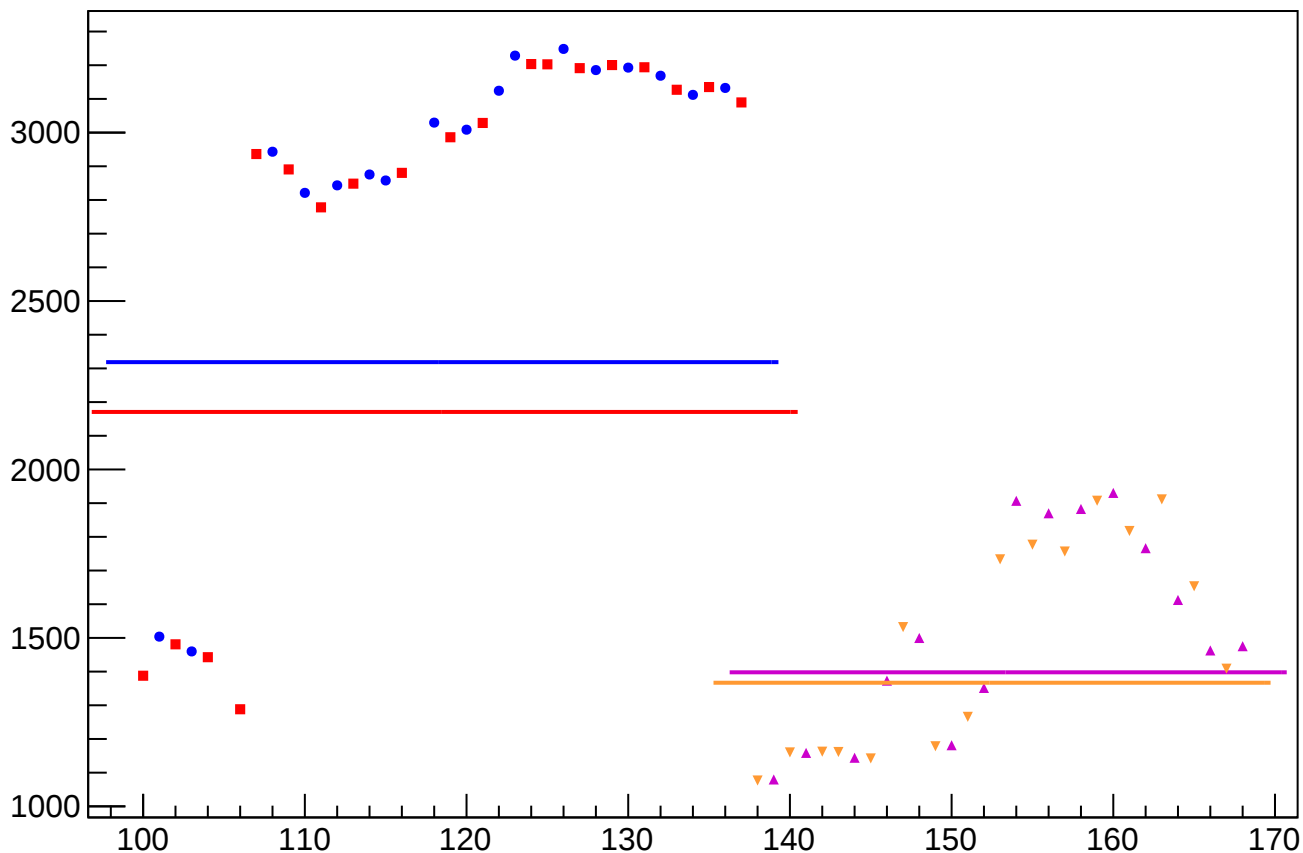
Left In: -6.080 ± 0.418 χ^2/NDF : 318.5/14

+ sign -2.467 ± 0.373 χ^2/NDF : 485.7/32

All: -4.535 ± 0.265 χ^2/NDF : 949.2/66

- sign -6.646 ± 0.377 χ^2/NDF : 401.3/33

diff_bpm0r03Y_rms vs Slug



Right In: 2318.624 $\pm$ 0.667 χ^2 /NDF: 1408300.4/16

Left Out: 1366.947 $\pm$ 0.287 χ^2 /NDF: 967536.6/15

Right Out: 2170.786 $\pm$ 0.613 χ^2 /NDF: 1753687.8/18

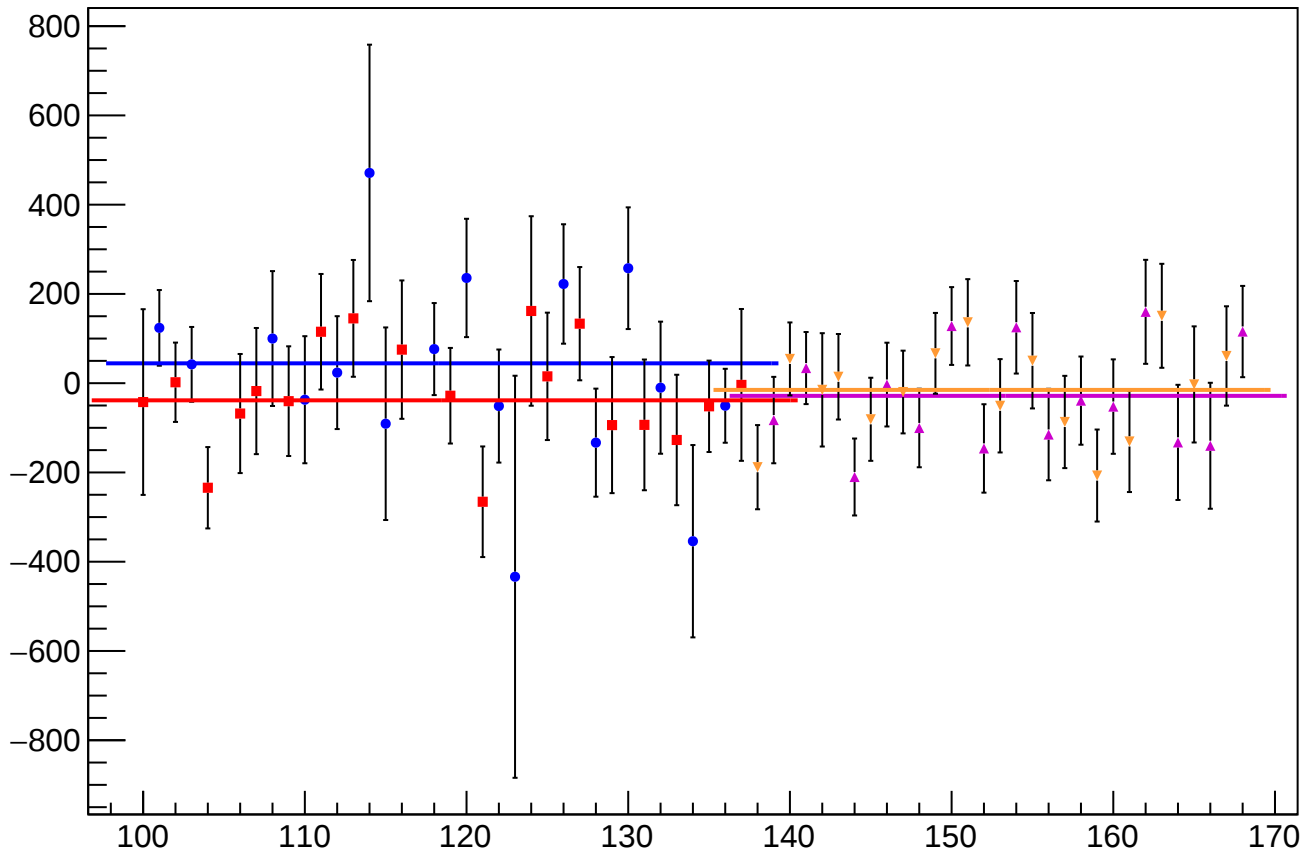
Left In: 1397.884 $\pm$ 0.296 χ^2 /NDF: 881482.5/14

+ sign 1515.760 $\pm$ 0.264 χ^2 /NDF: 4093626.3/32

All: 1529.779 $\pm$ 0.187 χ^2 /NDF: 8025232.0/60

- sign 1544.088 $\pm$ 0.266 χ^2 /NDF: 3925895.4/33

diff_bpm0r05X_mean vs Slug



Right In: 44.484 ± 30.432 χ^2/NDF : 19.1/16

Left Out: -15.065 ± 25.386 χ^2/NDF : 15.9/15

Right Out: -38.425 ± 29.435 χ^2/NDF : 15.7/18

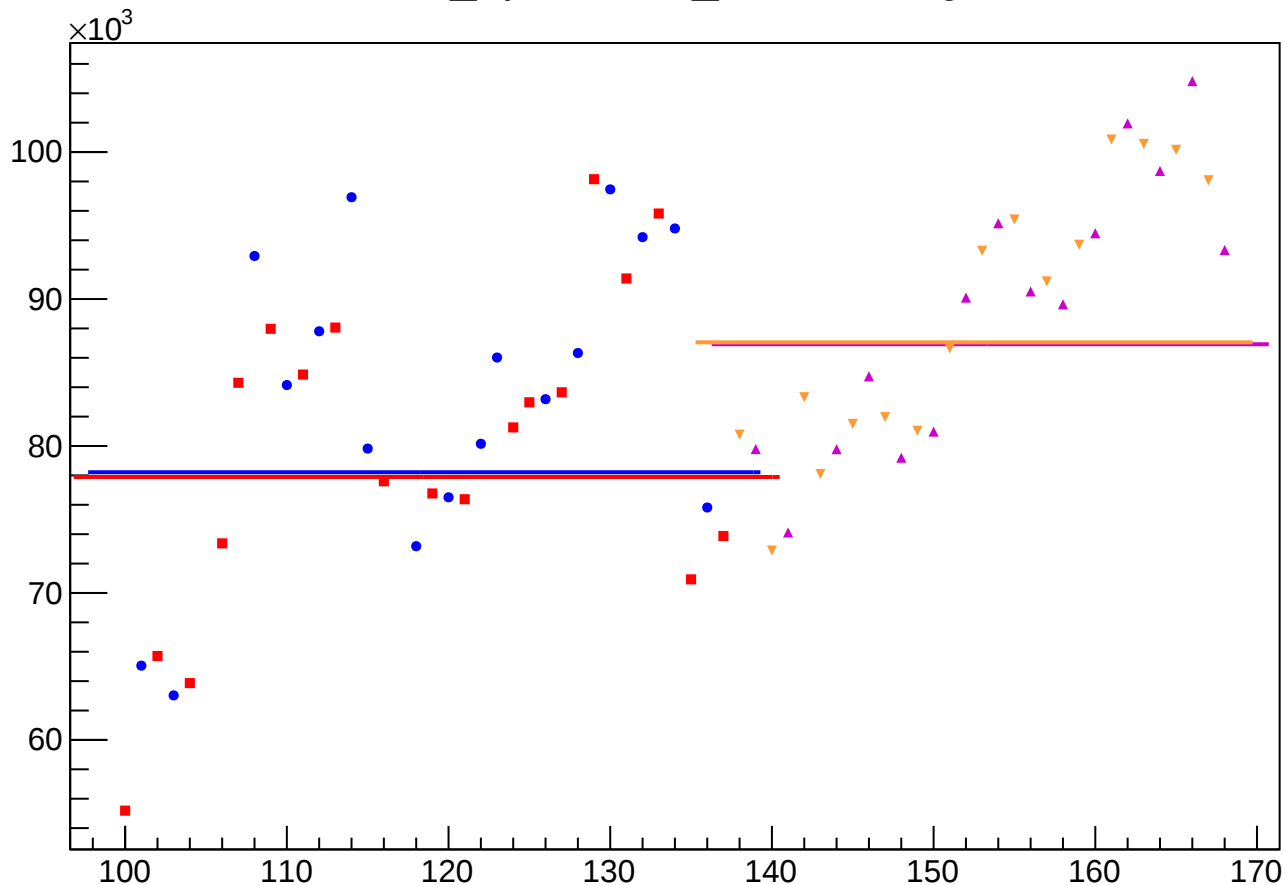
Left In: -28.365 ± 25.564 χ^2/NDF : 19.6/14

+ sign 9.370 ± 19.494 χ^2/NDF : 37.3/32

All: -11.869 ± 13.716 χ^2/NDF : 75.0/66

- sign -32.691 ± 19.301 χ^2/NDF : 35.4/33

diff_bpm0r05X_rms vs Slug



Right In: 78213.025 $\pm$ 21.519 χ^2 /NDF: 251056.7/16

Left Out: 87054.575 $\pm$ 17.951 χ^2 /NDF: 237446.0/15

Right Out: 77891.938 $\pm$ 20.814 χ^2 /NDF: 246970.2/18

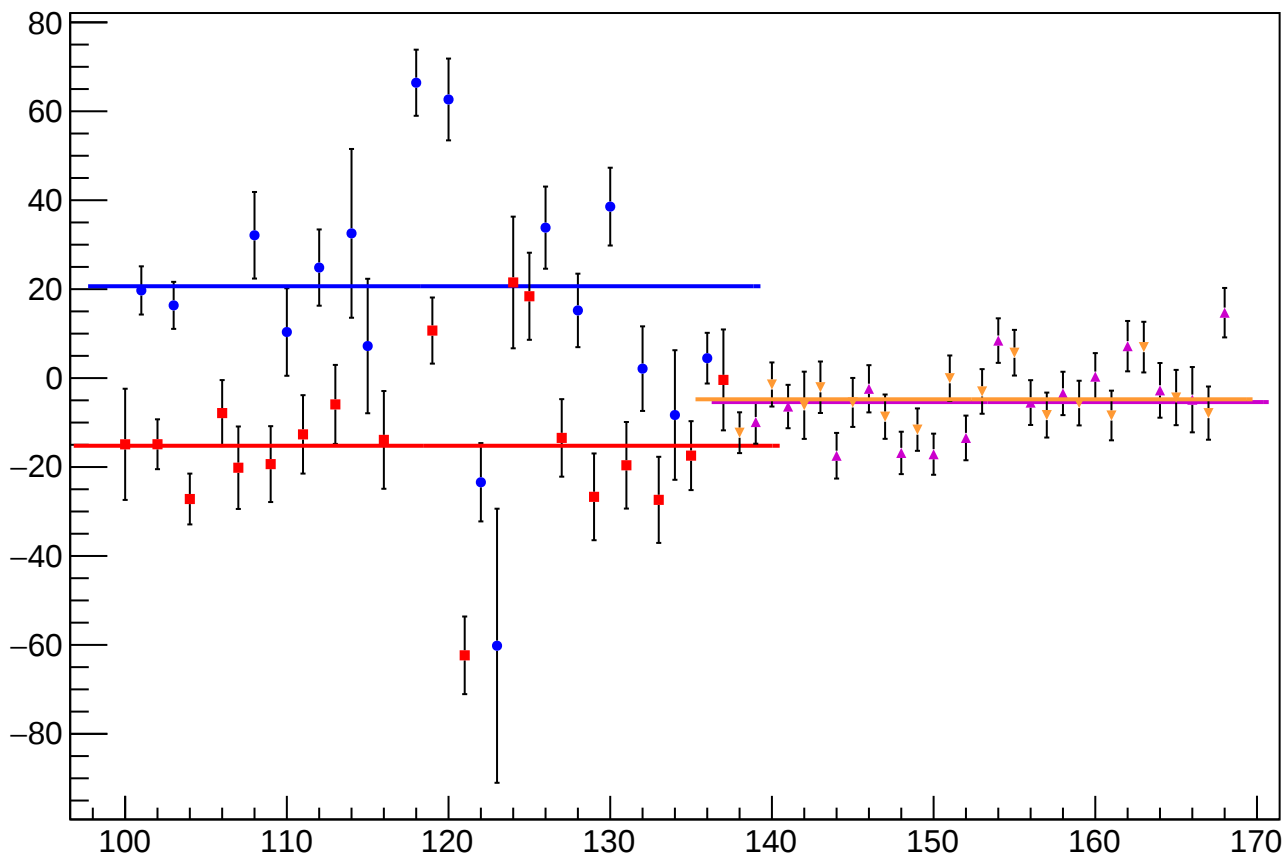
Left In: 86923.724 $\pm$ 18.076 χ^2 /NDF: 219477.4/14

+ sign 83426.542 $\pm$ 13.784 χ^2 /NDF: 588051.1/32

All: 83231.554 $\pm$ 9.698 χ^2 /NDF: 1162233.0/6

- sign 83040.408 $\pm$ 13.648 χ^2 /NDF: 573785.6/33

diff_bpm0r05Y_mean vs Slug



Right In: 20.657 ± 2.036 χ^2/NDF : 117.7/16

Left Out: -4.768 ± 1.332 χ^2/NDF : 16.7/15

Right Out: -15.216 ± 1.955 χ^2/NDF : 71.3/18

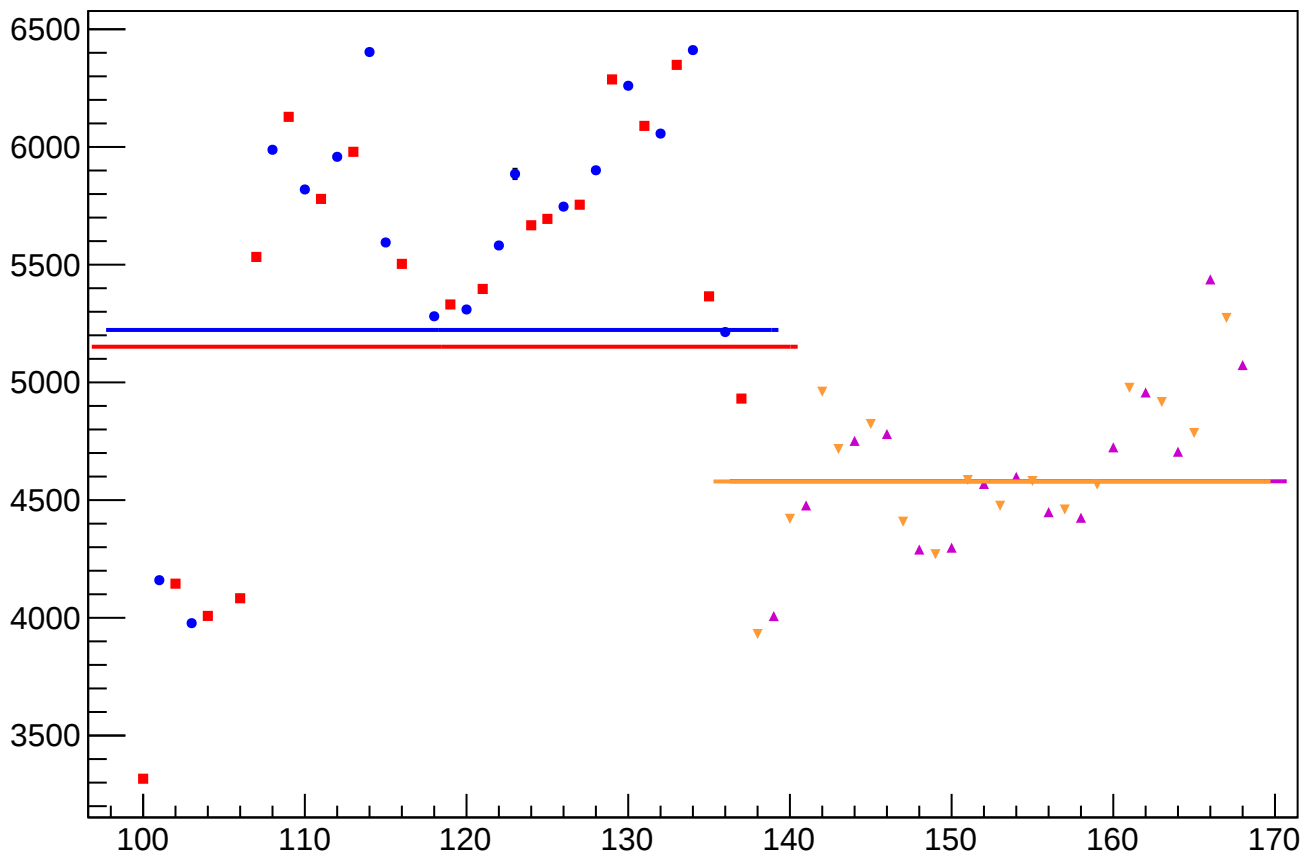
Left In: -5.392 ± 1.344 χ^2/NDF : 48.6/14

+ sign 2.849 ± 1.114 χ^2/NDF : 243.6/32

All: -2.883 ± 0.786 χ^2/NDF : 433.3/66

- sign -8.546 ± 1.107 χ^2/NDF : 137.1/33

diff_bpm0r05Y_rms vs Slug



Right In: 5222.767 $\pm$ 1.440 χ^2 /NDF: 312497.9/16

Left Out: 4579.198 $\pm$ 0.942 χ^2 /NDF: 111111.7/15

Right Out: 5151.532 $\pm$ 1.382 χ^2 /NDF: 387685.6/18

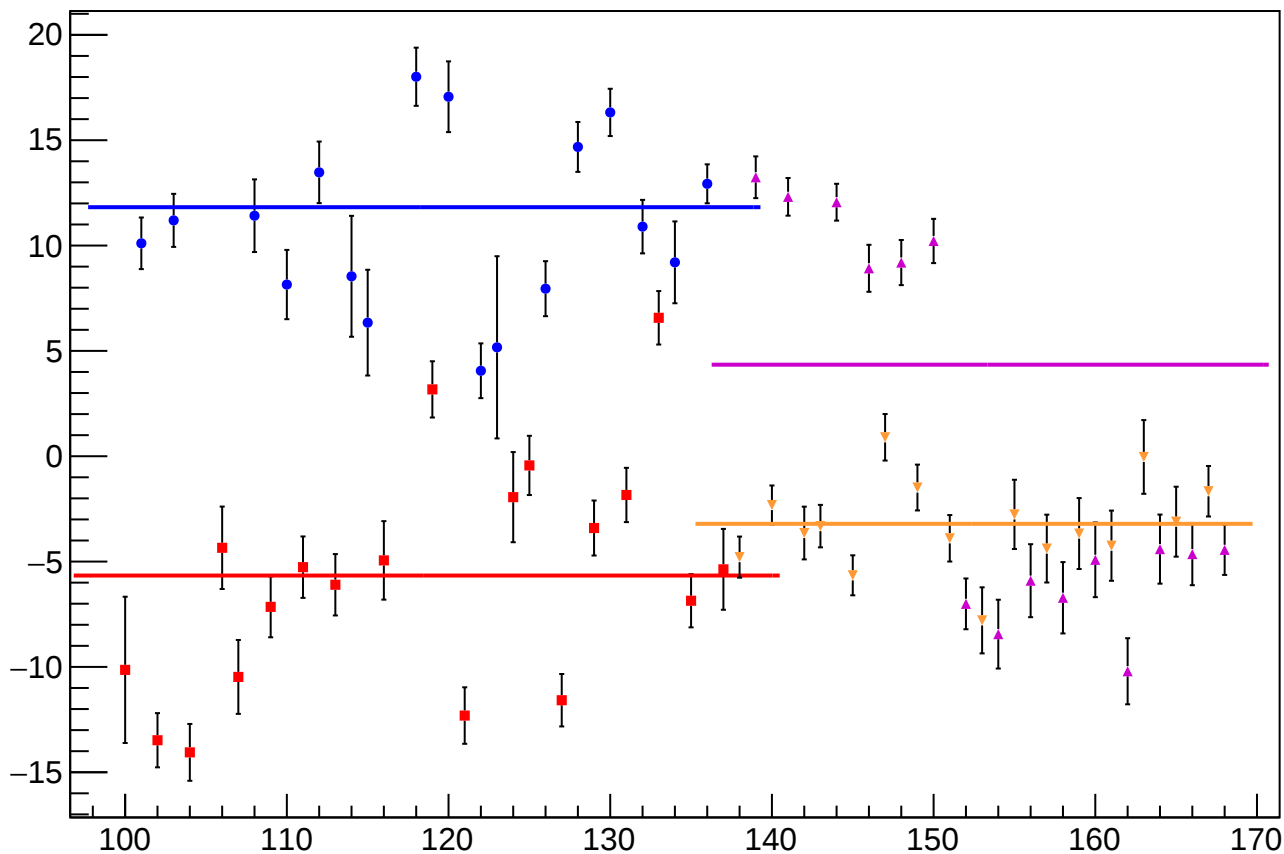
Left In: 4579.917 $\pm$ 0.950 χ^2 /NDF: 106089.5/14

+ sign 4772.012 $\pm$ 0.788 χ^2 /NDF: 563588.5/32

All: 4767.685 $\pm$ 0.555 χ^2 /NDF: 1173551.3/60

- sign 4763.411 $\pm$ 0.783 χ^2 /NDF: 609902.9/33

diff_bpm2i01X_mean vs Slug



Right In: 11.821 ± 0.344 χ^2/NDF : 117.0/16

Left Out: -3.208 ± 0.306 χ^2/NDF : 41.6/15

Right Out: -5.663 ± 0.338 χ^2/NDF : 300.1/18

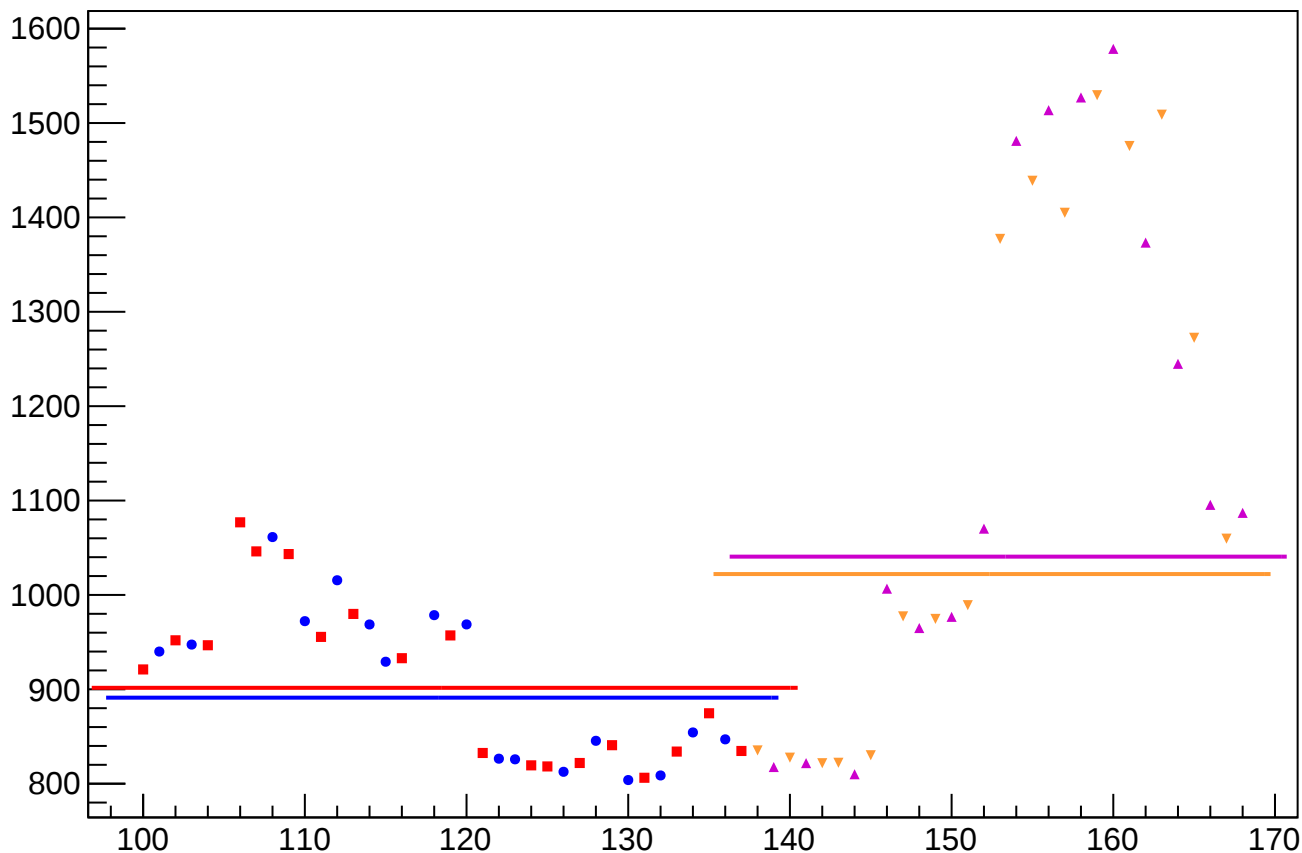
Left In: 4.345 ± 0.314 χ^2/NDF : 767.8/14

+ sign 3.414 ± 0.229 χ^2/NDF : 1223.2/32

All: 1.579 ± 0.162 χ^2/NDF : 2891.1/66

- sign -0.278 ± 0.230 χ^2/NDF : 1538.3/33

diff_bpm2i01X_rms vs Slug



Right In: 891.149 ± 0.244 $\chi^2/\text{NDF}: 101659.1/16$

Left Out: 1022.120 ± 0.216 $\chi^2/\text{NDF}: 1258364.1/15$

Right Out: 901.588 ± 0.239 $\chi^2/\text{NDF}: 114590.8/18$

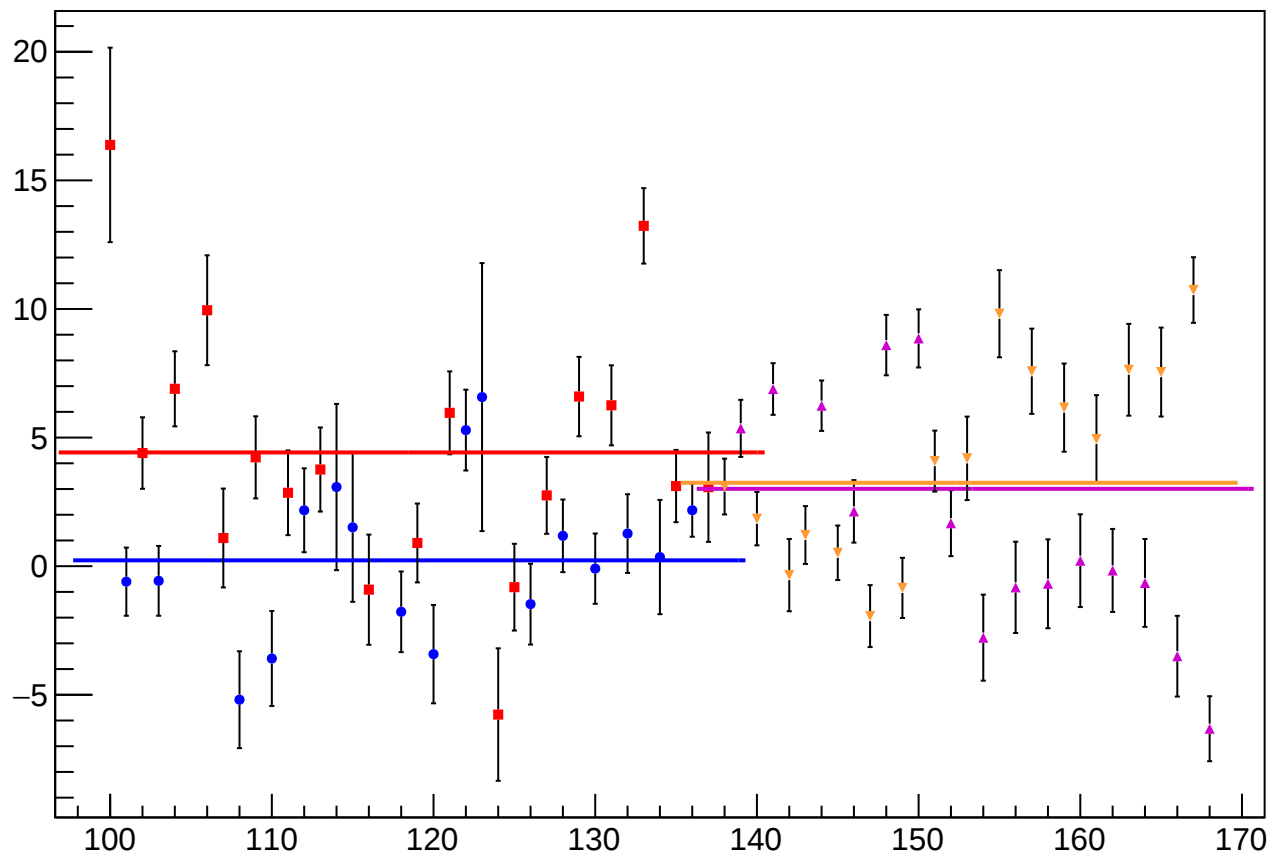
Left In: 1040.575 ± 0.222 $\chi^2/\text{NDF}: 1151215.9/14$

+ sign 964.408 ± 0.162 $\chi^2/\text{NDF}: 1521716.4/32$

All: 970.354 ± 0.115 $\chi^2/\text{NDF}: 2971701.2/66$

- sign 976.371 ± 0.163 $\chi^2/\text{NDF}: 1447264.5/33$

diff_bpm2i01Y_mean vs Slug



Right In: 0.227 ± 0.395 χ^2/NDF : 38.5/16

Left Out: 3.243 ± 0.331 χ^2/NDF : 122.4/15

Right Out: 4.423 ± 0.387 χ^2/NDF : 103.3/18

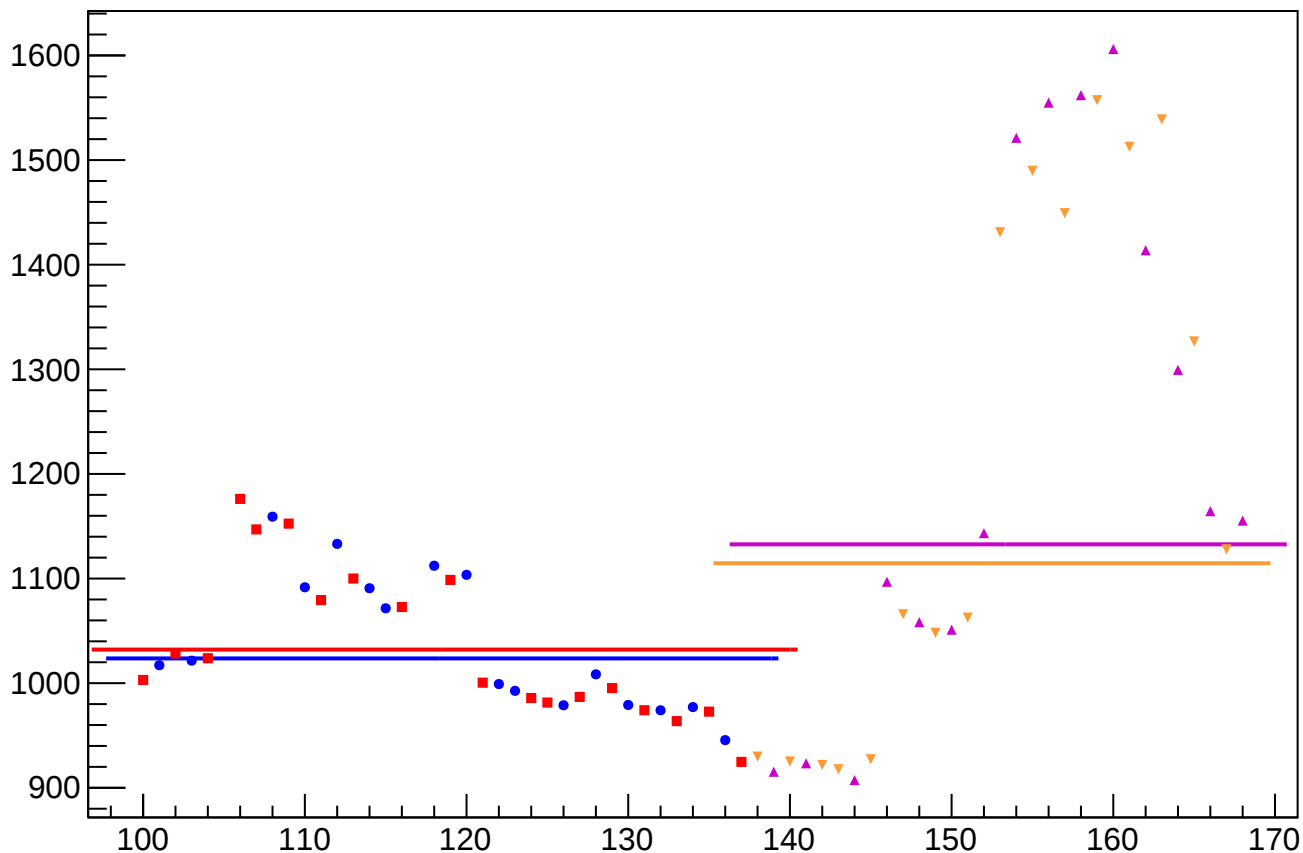
Left In: 3.009 ± 0.339 χ^2/NDF : 185.0/14

+ sign 2.000 ± 0.254 χ^2/NDF : 195.2/32

All: 2.807 ± 0.180 χ^2/NDF : 511.5/66

- sign 3.623 ± 0.255 χ^2/NDF : 295.9/33

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1114.645+/-0.234 χ^2/NDF : 941179.4/15

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

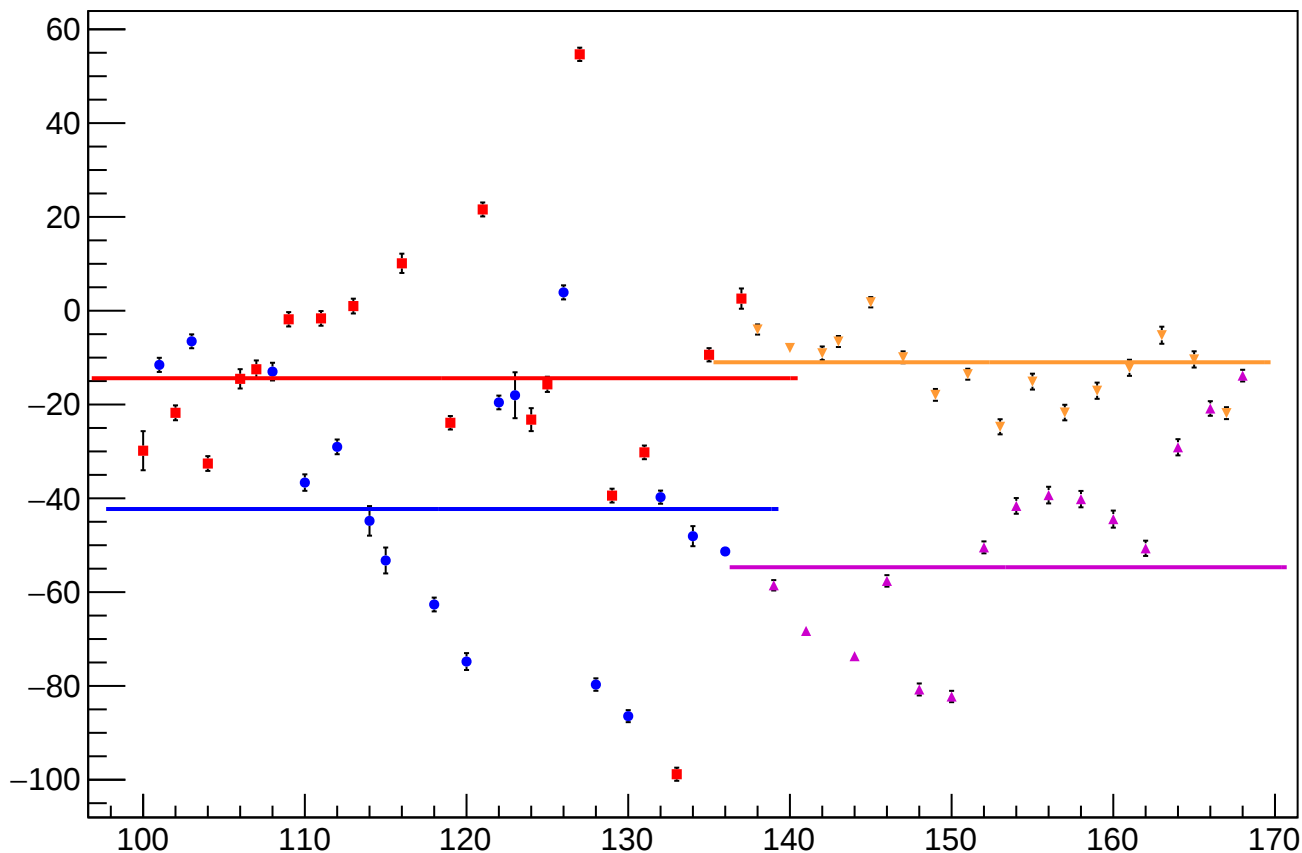
Left In: 1132.705+/-0.240 χ^2/NDF : 853235.1/14

+ sign 1077.137+/-0.179 χ^2/NDF : 1055937.2/32

All: 1083.055+/-0.127 χ^2/NDF : 2047332.2/60

- sign 1089.029+/-0.180 χ^2/NDF : 989206.5/33

diff_bpm2i02X_mean vs Slug



Right In: -42.278 ± 0.387 $\chi^2/\text{NDF}: 5126.8/16$

Left Out: -10.989 ± 0.338 $\chi^2/\text{NDF}: 453.1/15$

Right Out: -14.393 ± 0.378 $\chi^2/\text{NDF}: 7669.8/18$

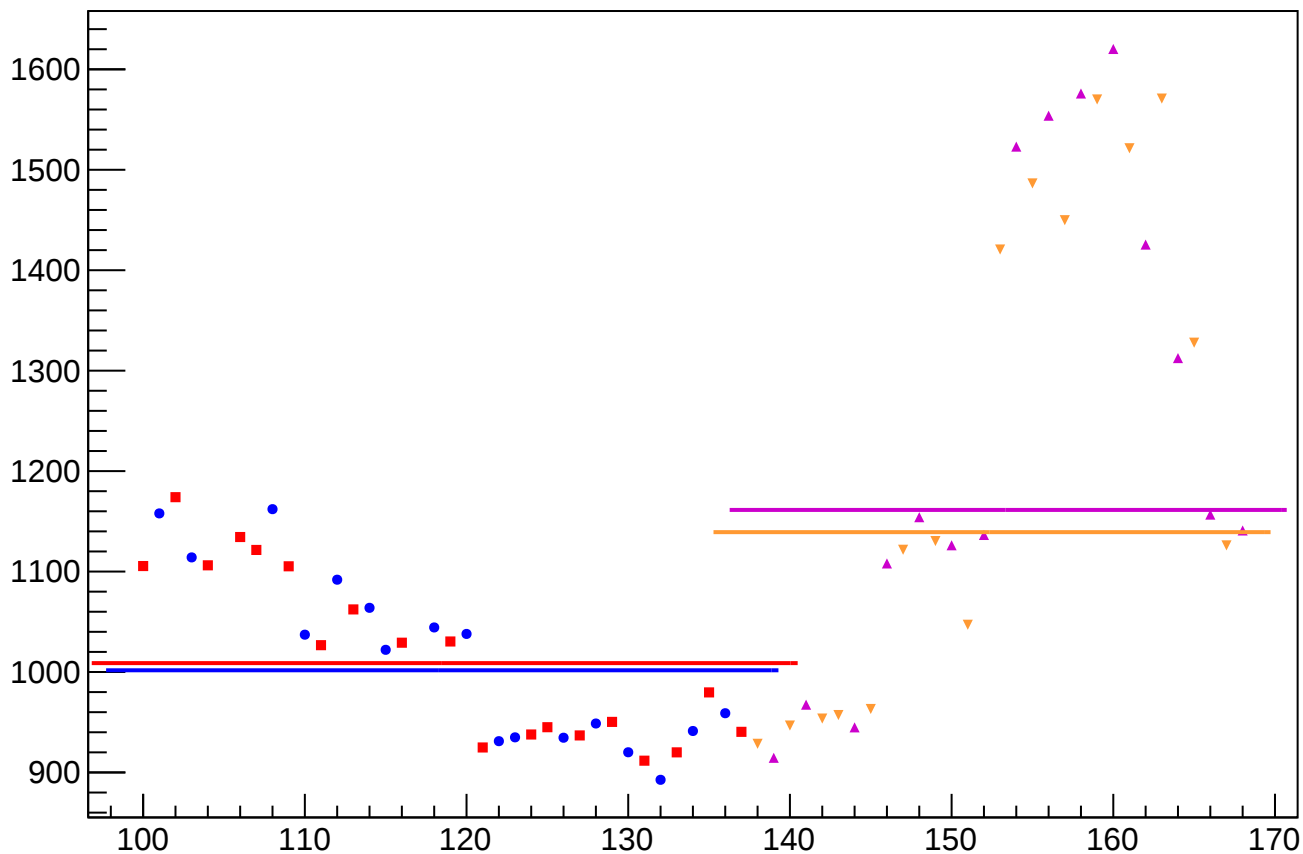
Left In: -54.692 ± 0.347 $\chi^2/\text{NDF}: 3477.4/14$

+ sign -24.505 ± 0.254 $\chi^2/\text{NDF}: 9290.7/32$

All: -30.375 ± 0.180 $\chi^2/\text{NDF}: 27671.4/66$

- sign -36.302 ± 0.256 $\chi^2/\text{NDF}: 17311.1/33$

diff_bpm2i02X_rms vs Slug



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

Left Out: 1139.237 $\pm$ 0.239 χ^2 /NDF: 861199.8/15

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

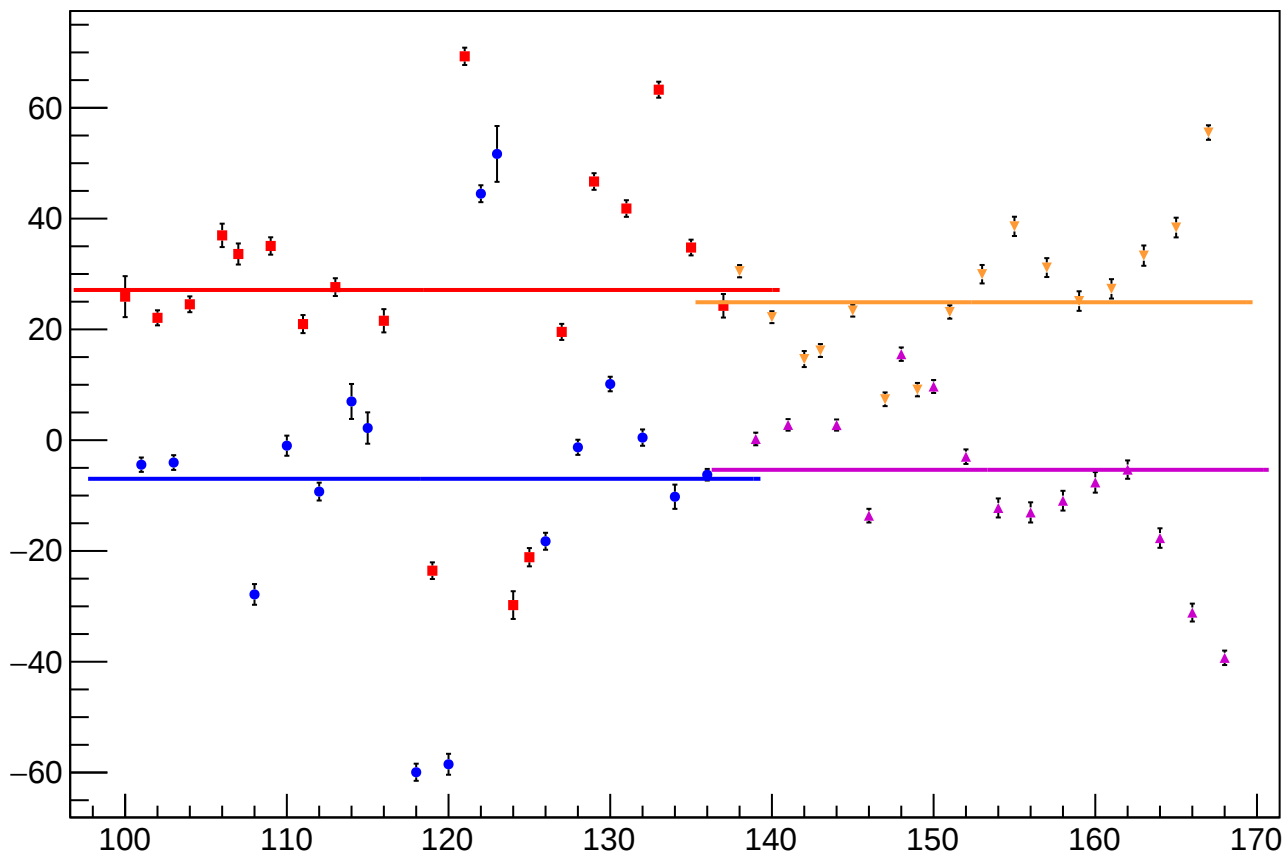
Left In: 1161.357 $\pm$ 0.245 χ^2 /NDF: 762733.3/14

+ sign 1079.829 $\pm$ 0.180 χ^2 /NDF: 1100066.4/32

All: 1085.766 $\pm$ 0.128 χ^2 /NDF: 2136903.5/60

- sign 1091.761 $\pm$ 0.181 χ^2 /NDF: 1034648.6/33

diff_bpm2i02Y_mean vs Slug



Right In: -6.974 ± 0.388 χ^2/NDF : 3636.9/16

Left Out: 24.898 ± 0.340 χ^2/NDF : 1218.5/15

Right Out: 27.116 ± 0.380 χ^2/NDF : 4283.5/18

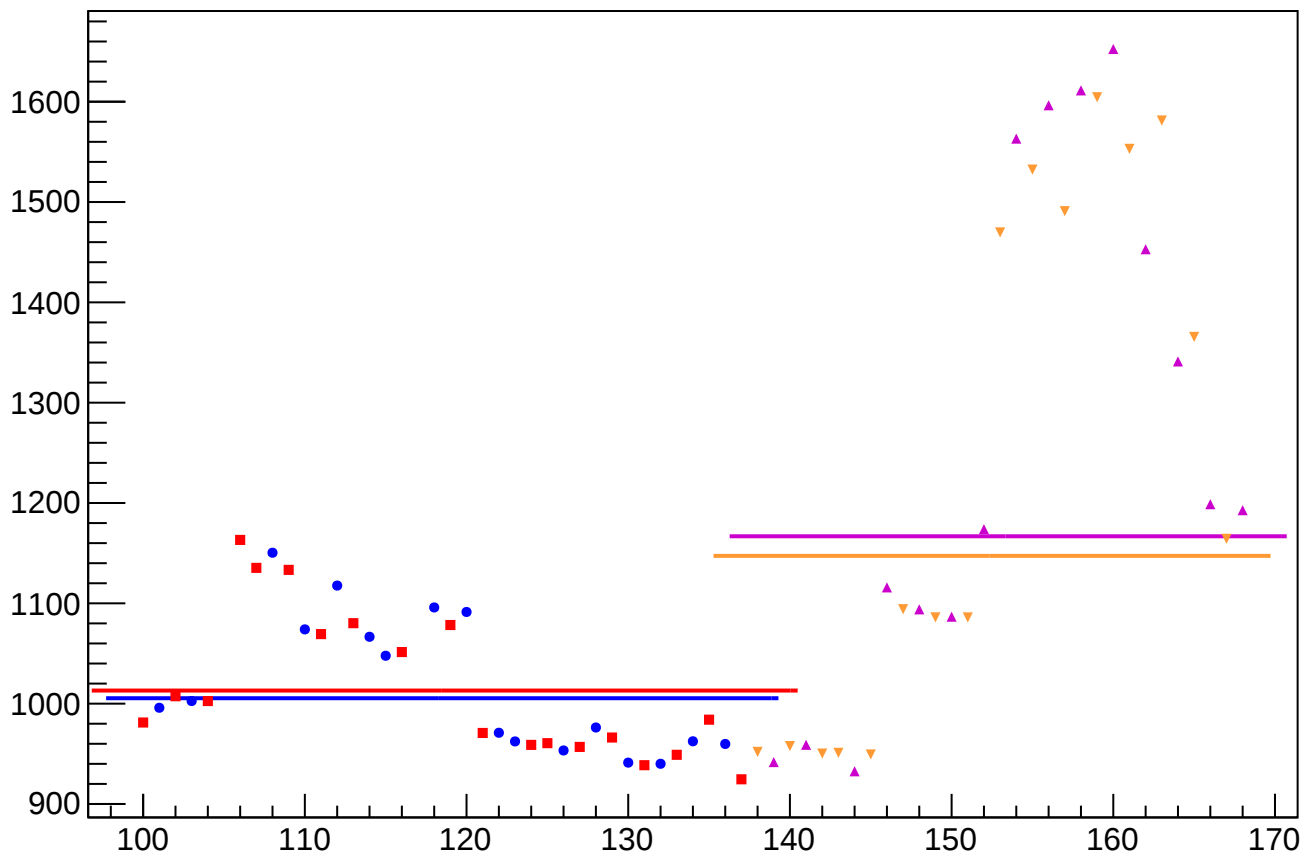
Left In: -5.351 ± 0.349 χ^2/NDF : 1683.1/14

+ sign 11.034 ± 0.256 χ^2/NDF : 8668.9/32

All: 10.277 ± 0.181 χ^2/NDF : 18619.2/66

- sign 9.514 ± 0.257 χ^2/NDF : 9932.7/33

diff_bpm2i02Y_rms vs Slug



Right In: 1005.409+/-0.274 χ^2 /NDF: 54586.0/16

Left Out: 1147.303+/-0.241 χ^2 /NDF:936451.8/15

Right Out: 1013.064+/-0.268 χ^2 /NDF: 63265.7/18

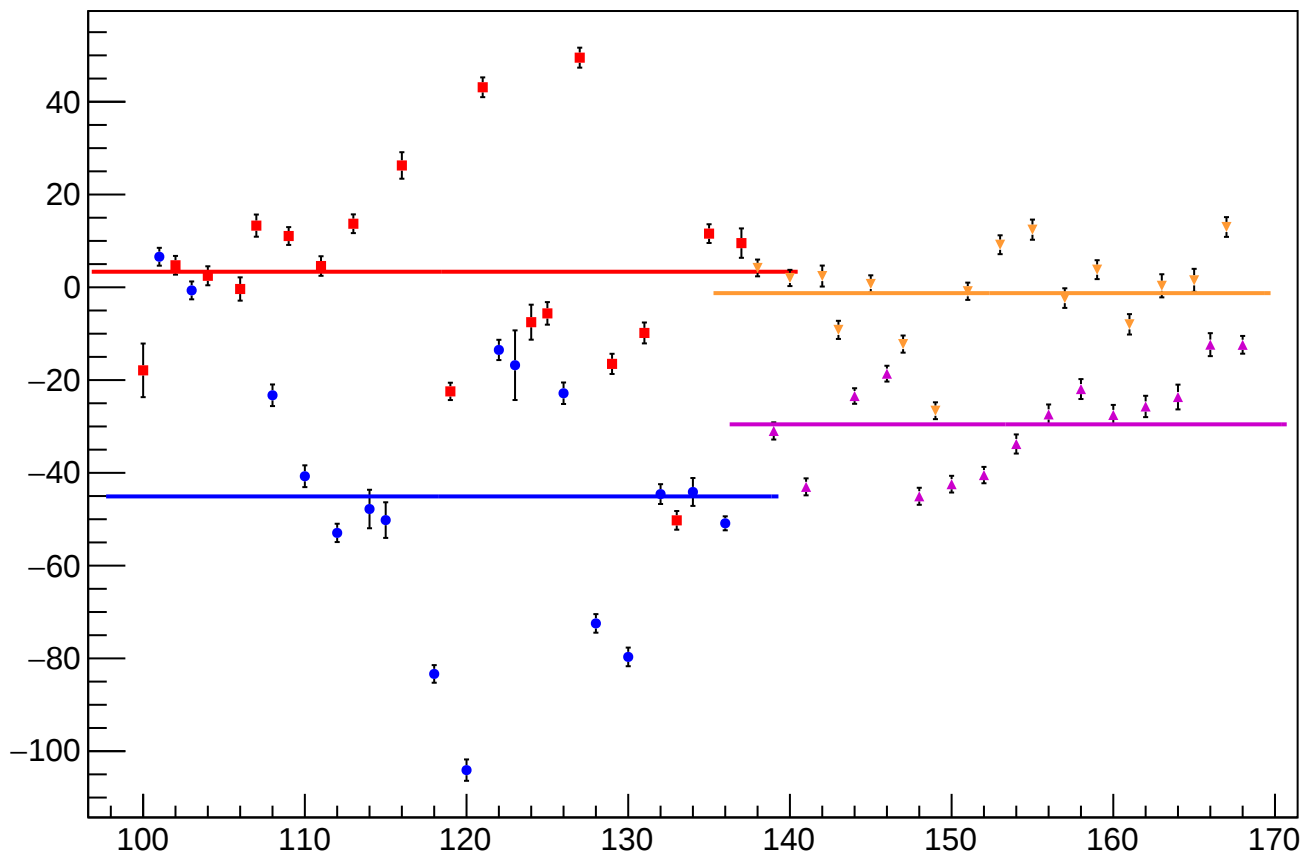
Left In: 1166.838+/-0.247 χ^2 /NDF:845197.3/14

+ sign 1085.582+/-0.181 χ^2 /NDF: 1142204.6/32

All: 1090.985+/-0.128 χ^2 /NDF: 2230397.5/60

- sign 1096.430+/-0.182 χ^2 /NDF: 1086402.2/33

diff_bpm0i02X_mean vs Slug



Right In: -45.081 ± 0.540 χ^2/NDF : 3238.1/16

Left Out: -1.257 ± 0.504 χ^2/NDF : 391.6/15

Right Out: 3.358 ± 0.522 χ^2/NDF : 2005.7/18

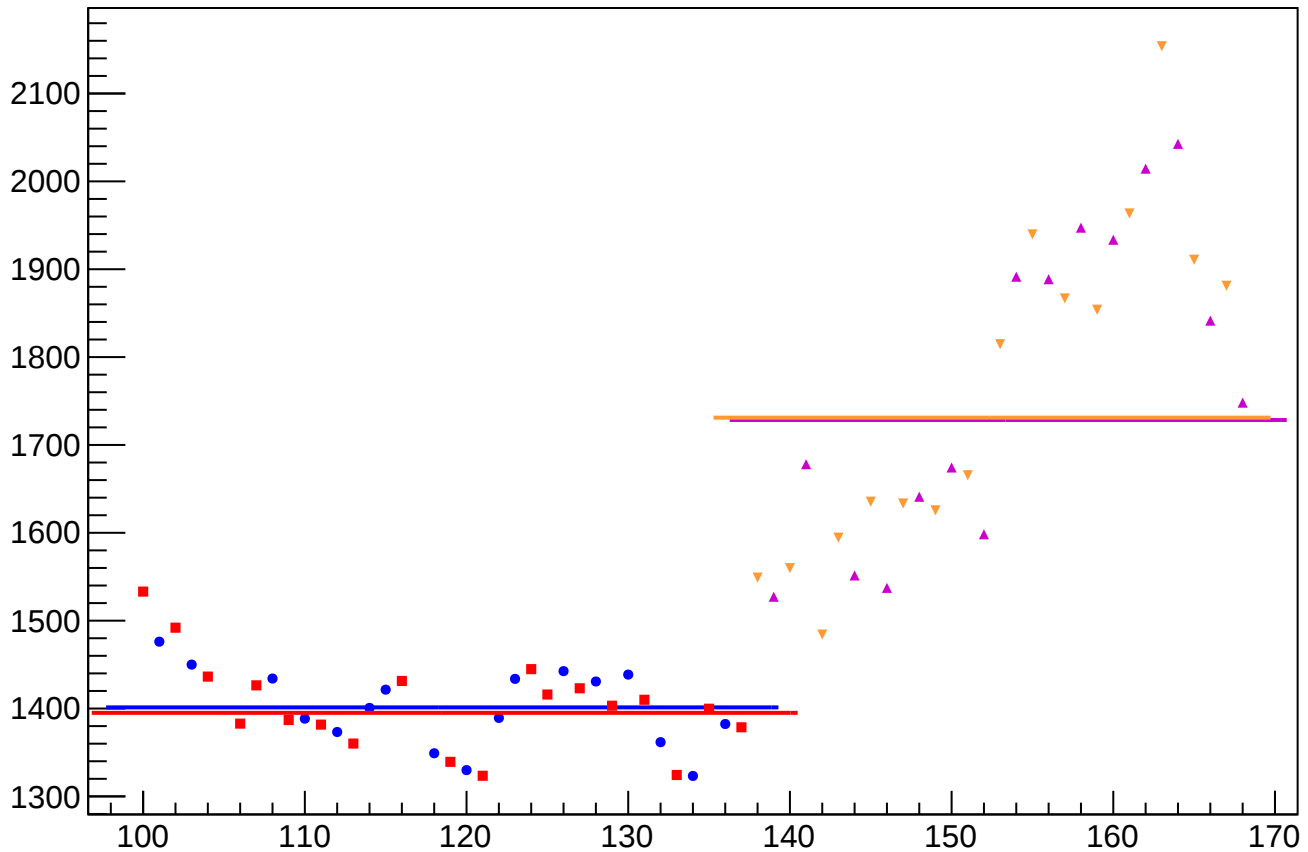
Left In: -29.542 ± 0.508 χ^2/NDF : 425.2/14

+ sign -21.683 ± 0.368 χ^2/NDF : 7150.0/32

All: -17.553 ± 0.259 χ^2/NDF : 11868.3/66

- sign -13.518 ± 0.364 χ^2/NDF : 4469.9/33

diff_bpm0i02X_rms vs Slug



Right In: 1401.307+/-0.382 χ^2 /NDF: 12852.1/16

Left Out: 1731.063+/-0.357 χ^2 /NDF: 230818.6/15

Right Out: 1395.105+/-0.369 χ^2 /NDF: 15520.0/18

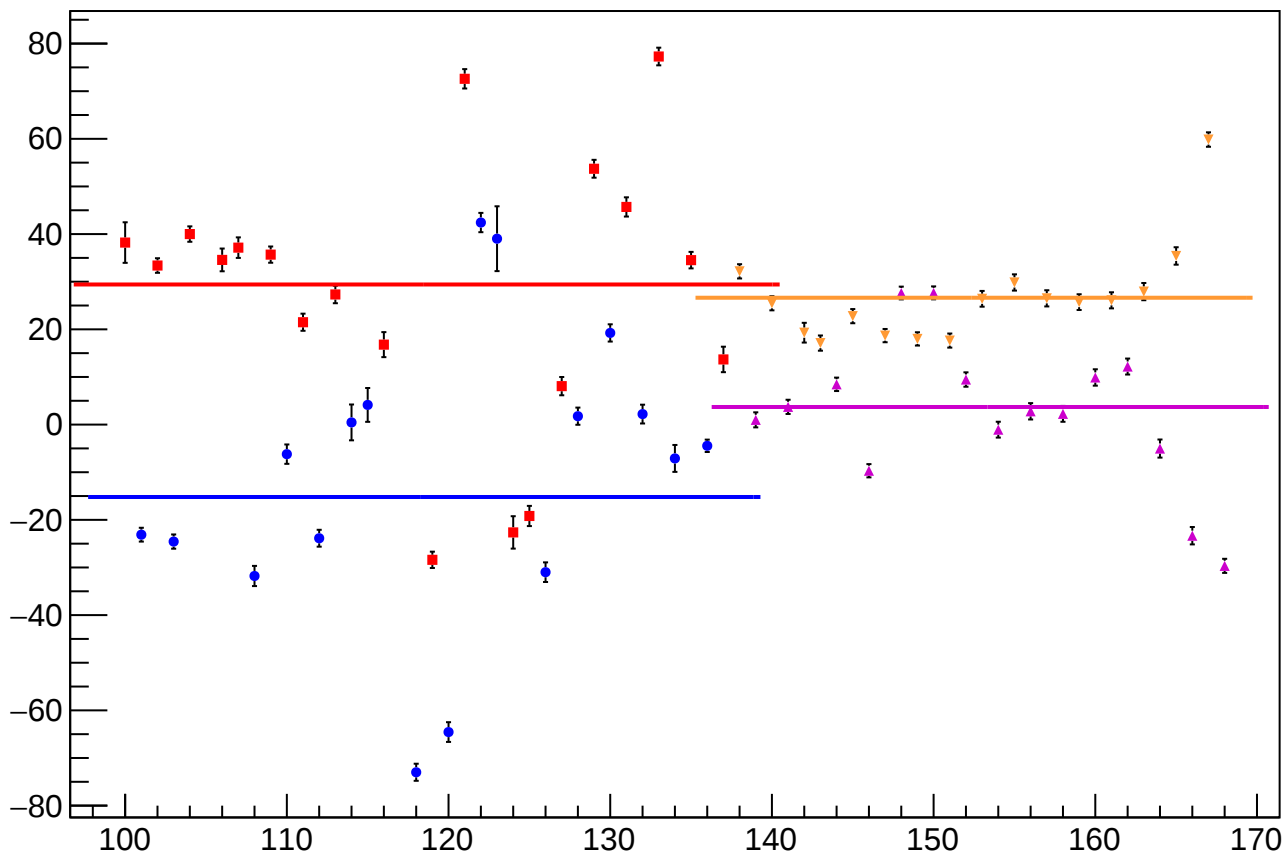
Left In: 1728.411+/-0.360 χ^2 /NDF: 215322.0/14

+ sign 1577.362+/-0.261 χ^2 /NDF: 642304.8/32

All: 1571.651+/-0.183 χ^2 /NDF: 1292650.2/60

- sign 1566.071+/-0.258 χ^2 /NDF: 649395.4/33

diff_bpm0i02Y_mean vs Slug



Right In: -15.202 ± 0.472 χ^2/NDF : 3362.5/16

Left Out: 26.635 ± 0.399 χ^2/NDF : 683.5/15

Right Out: 29.418 ± 0.456 χ^2/NDF : 3544.8/18

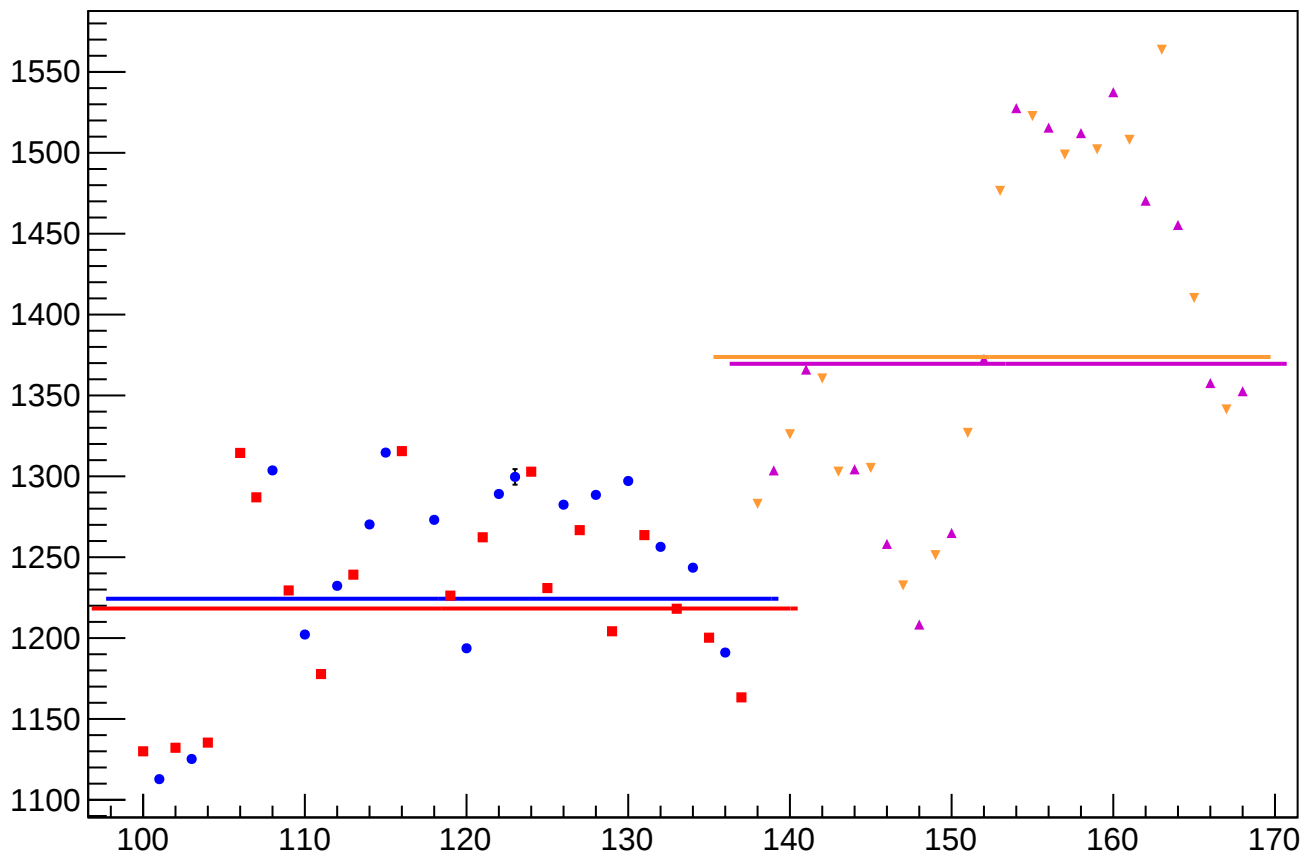
Left In: 3.696 ± 0.402 χ^2/NDF : 1546.1/14

+ sign 9.185 ± 0.305 χ^2/NDF : 8623.4/32

All: 12.093 ± 0.214 χ^2/NDF : 15684.0/66

- sign 14.937 ± 0.302 χ^2/NDF : 6880.7/33

diff_bpm0i02Y_rms vs Slug



Right In: 1224.320+/-0.334 χ^2/NDF : 38778.2/16

Left Out: 1373.781+/-0.282 χ^2/NDF : 137921.9/15

Right Out: 1218.276+/-0.323 χ^2/NDF : 27572.9/18

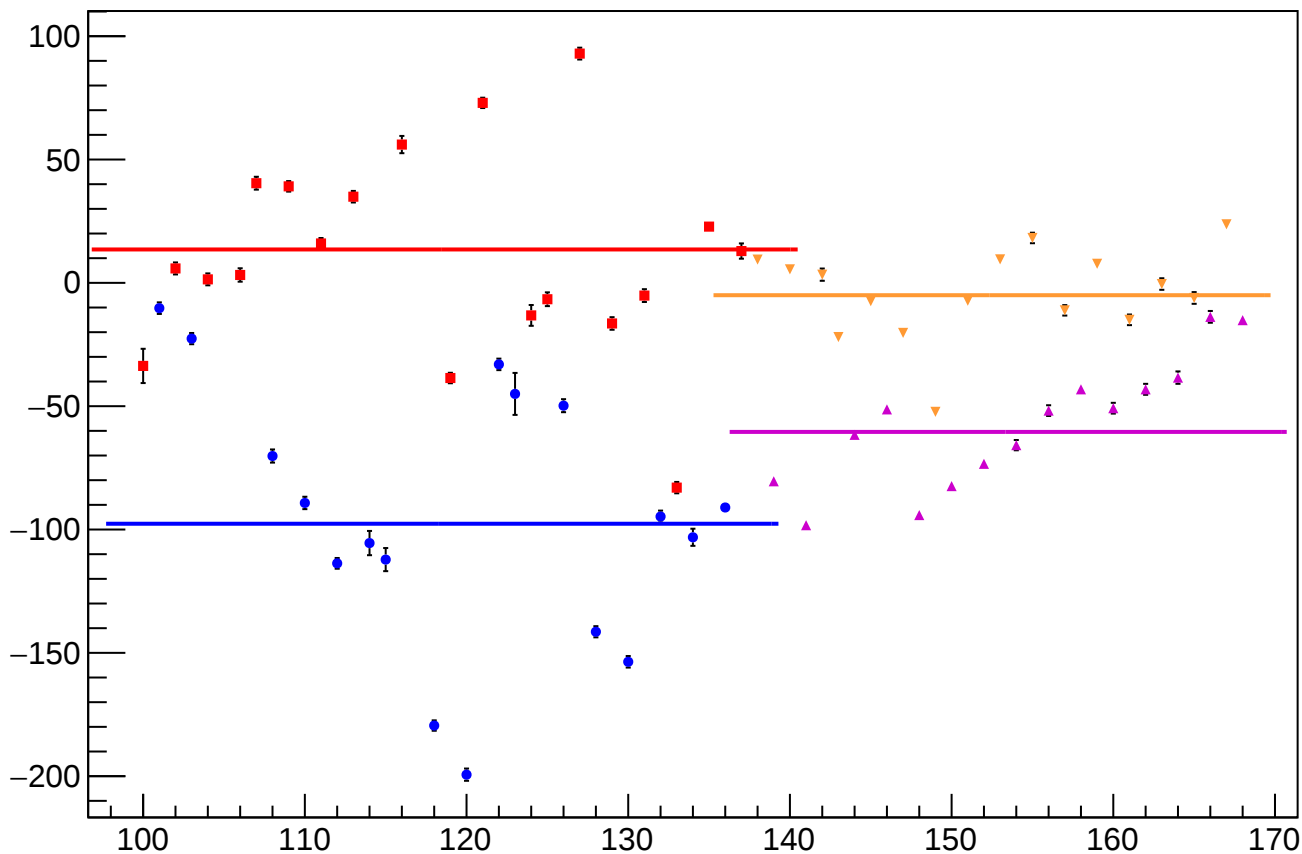
Left In: 1369.571+/-0.284 χ^2/NDF : 139165.7/14

+ sign 1311.441+/-0.216 χ^2/NDF : 293538.8/32

All: 1307.401+/-0.152 χ^2/NDF : 584811.8/66

- sign 1303.448+/-0.213 χ^2/NDF : 290578.2/33

diff_bpm0i02aX_mean vs Slug



Right In: -97.657 ± 0.601 χ^2/NDF : 7936.6/16

Left Out: -5.006 ± 0.503 χ^2/NDF : 1369.5/15

Right Out: 13.538 ± 0.579 χ^2/NDF : 5128.2/18

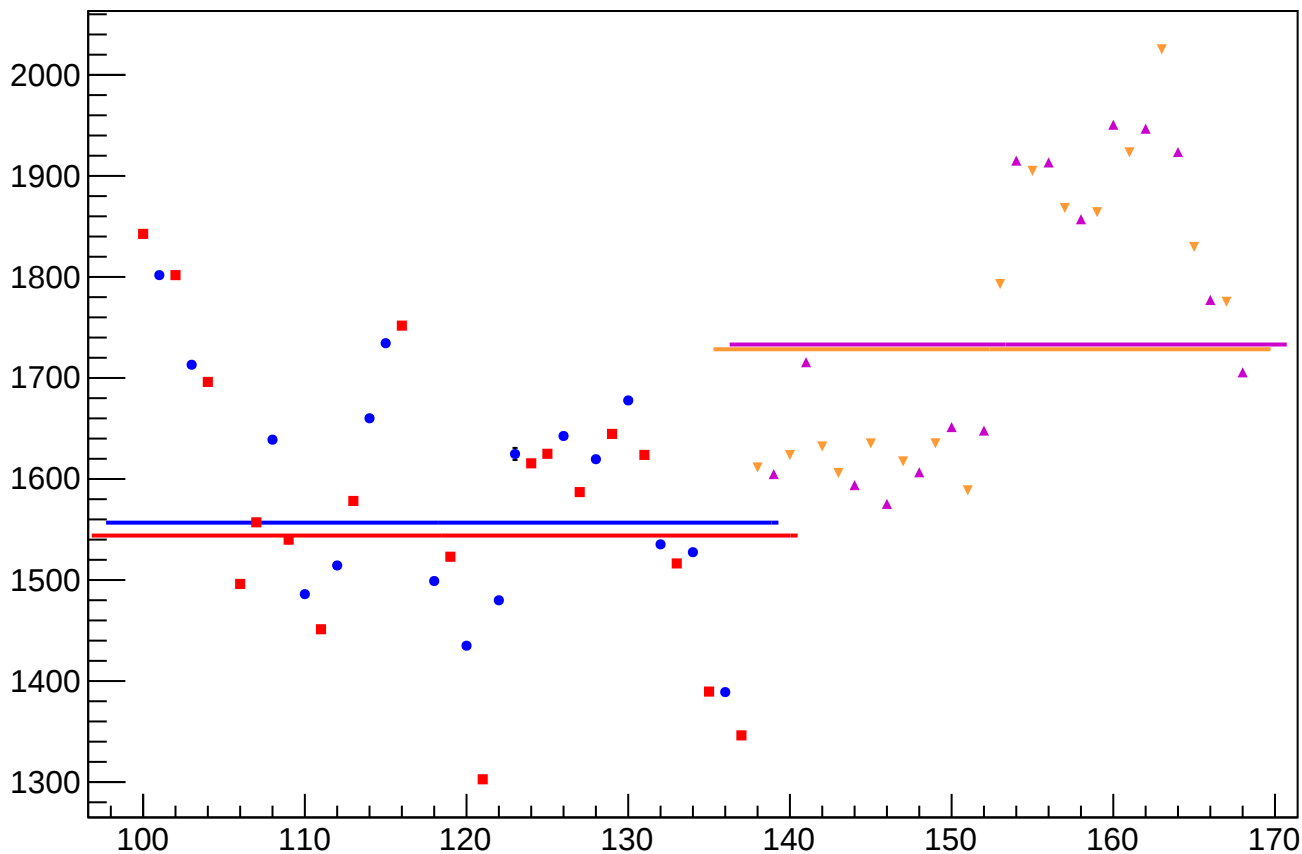
Left In: -60.425 ± 0.509 χ^2/NDF : 2322.3/14

+ sign -43.117 ± 0.386 χ^2/NDF : 23281.2/32

All: -35.604 ± 0.272 χ^2/NDF : 40685.4/66

- sign -28.220 ± 0.382 χ^2/NDF : 16651.7/33

diff_bpm0i02aX_rms vs Slug



Right In: 1556.799 $\pm$ 0.425 χ^2 /NDF: 81549.2/16

Left Out: 1728.414 $\pm$ 0.355 χ^2 /NDF: 141434.6/15

Right Out: 1544.034 $\pm$ 0.410 χ^2 /NDF: 100501.7/18

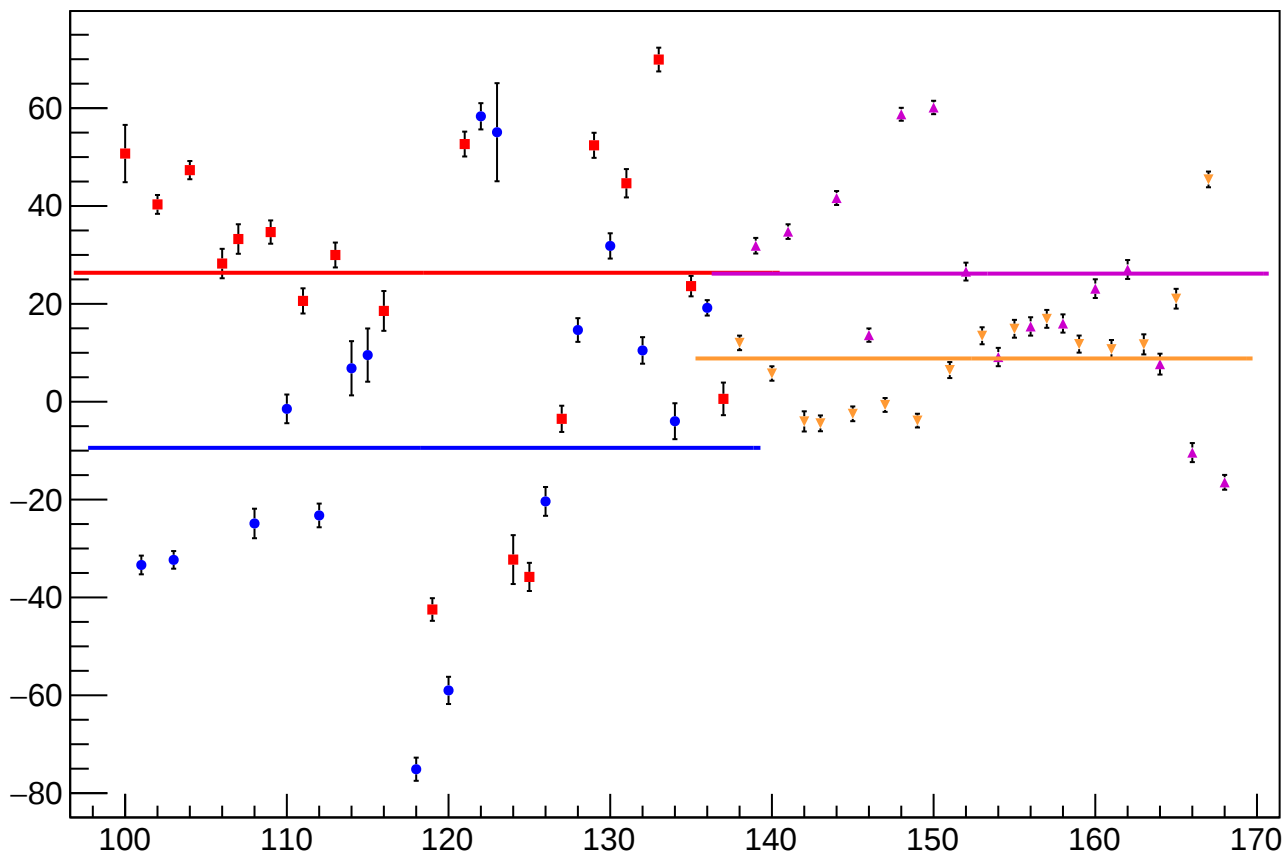
Left In: 1733.109 $\pm$ 0.360 χ^2 /NDF: 144304.2/14

+ sign 1657.822 $\pm$ 0.273 χ^2 /NDF: 318877.9/32

All: 1654.271 $\pm$ 0.192 χ^2 /NDF: 684276.4/66

- sign 1650.782 $\pm$ 0.270 χ^2 /NDF: 365062.4/33

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 8.840 ± 0.417 χ^2/NDF : 898.2/15

Right Out: 26.354 ± 0.603 χ^2/NDF : 2472.1/18

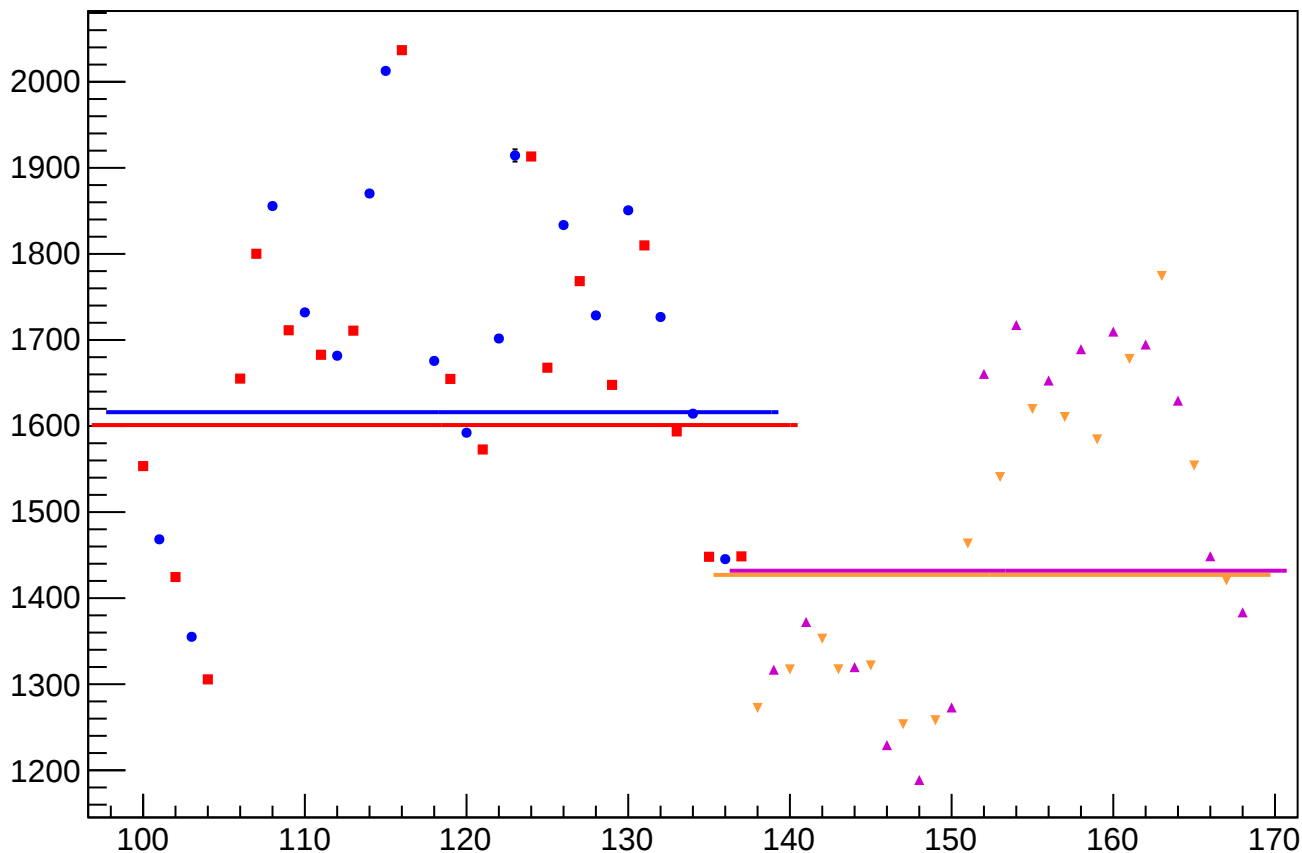
Left In: 26.181 ± 0.423 χ^2/NDF : 2839.6/14

+ sign 3.238 ± 0.347 χ^2/NDF : 4411.8/32

All: 14.760 ± 0.245 χ^2/NDF : 11925.7/66

- sign 26.238 ± 0.346 χ^2/NDF : 5311.7/33

diff_bpm0i02aY_rms vs Slug



Right In: 1616.094 ± 0.443 $\chi^2/\text{NDF}: 149596.3/16$

Left Out: 1427.019 ± 0.295 $\chi^2/\text{NDF}: 282521.8/15$

Right Out: 1601.134 ± 0.426 $\chi^2/\text{NDF}: 153651.5/18$

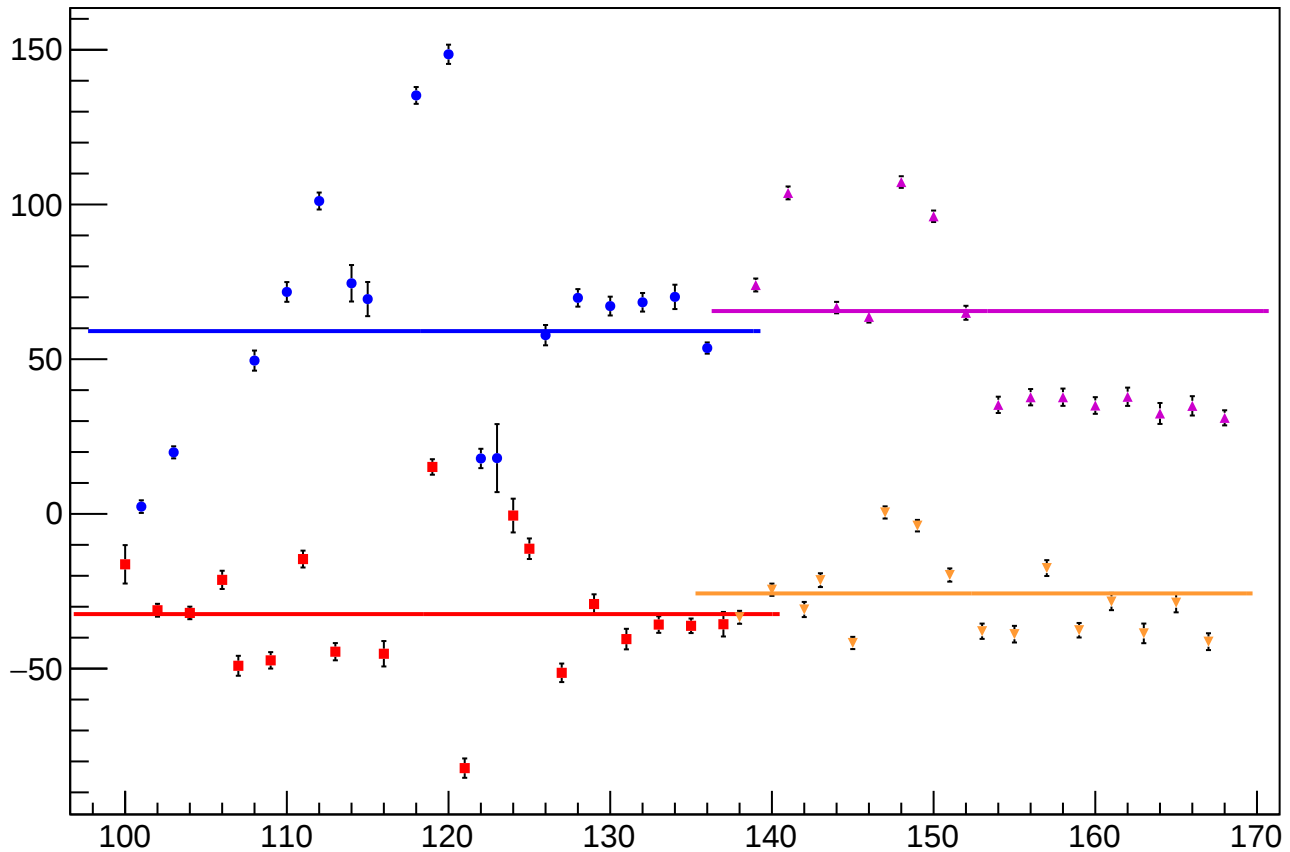
Left In: 1431.879 ± 0.299 $\chi^2/\text{NDF}: 406953.1/14$

+ sign 1484.996 ± 0.245 $\chi^2/\text{NDF}: 558440.9/32$

All: 1486.361 ± 0.173 $\chi^2/\text{NDF}: 1224765.0/60$

- sign 1487.721 ± 0.245 $\chi^2/\text{NDF}: 666262.2/33$

diff_bpm0i05X_mean vs Slug



Right In: 59.081 ± 0.699 χ^2/NDF : 3293.6/16

Left Out: -25.702 ± 0.580 χ^2/NDF : 544.9/15

Right Out: -32.382 ± 0.666 χ^2/NDF : 891.5/18

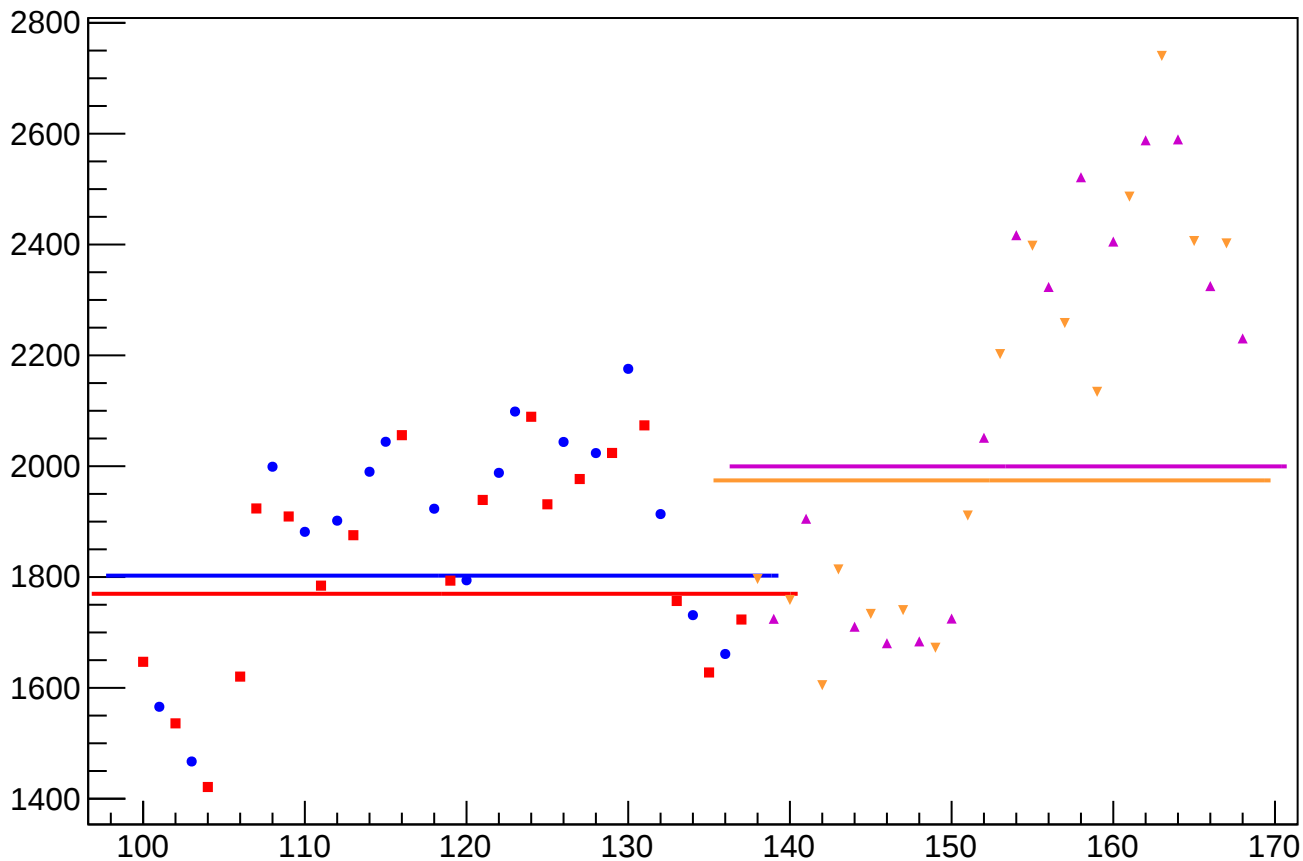
Left In: 65.559 ± 0.594 χ^2/NDF : 2070.6/14

+ sign 8.848 ± 0.447 χ^2/NDF : 12543.7/32

All: 15.578 ± 0.315 χ^2/NDF : 27994.7/66

- sign 22.214 ± 0.443 χ^2/NDF : 14999.8/33

diff_bpm0i05X_rms vs Slug



Right In: 1802.524 ± 0.495 χ^2/NDF : 184069.0/16

Left Out: 1974.375 ± 0.410 χ^2/NDF : 578295.2/15

Right Out: 1769.772 ± 0.471 χ^2/NDF : 177893.4/18

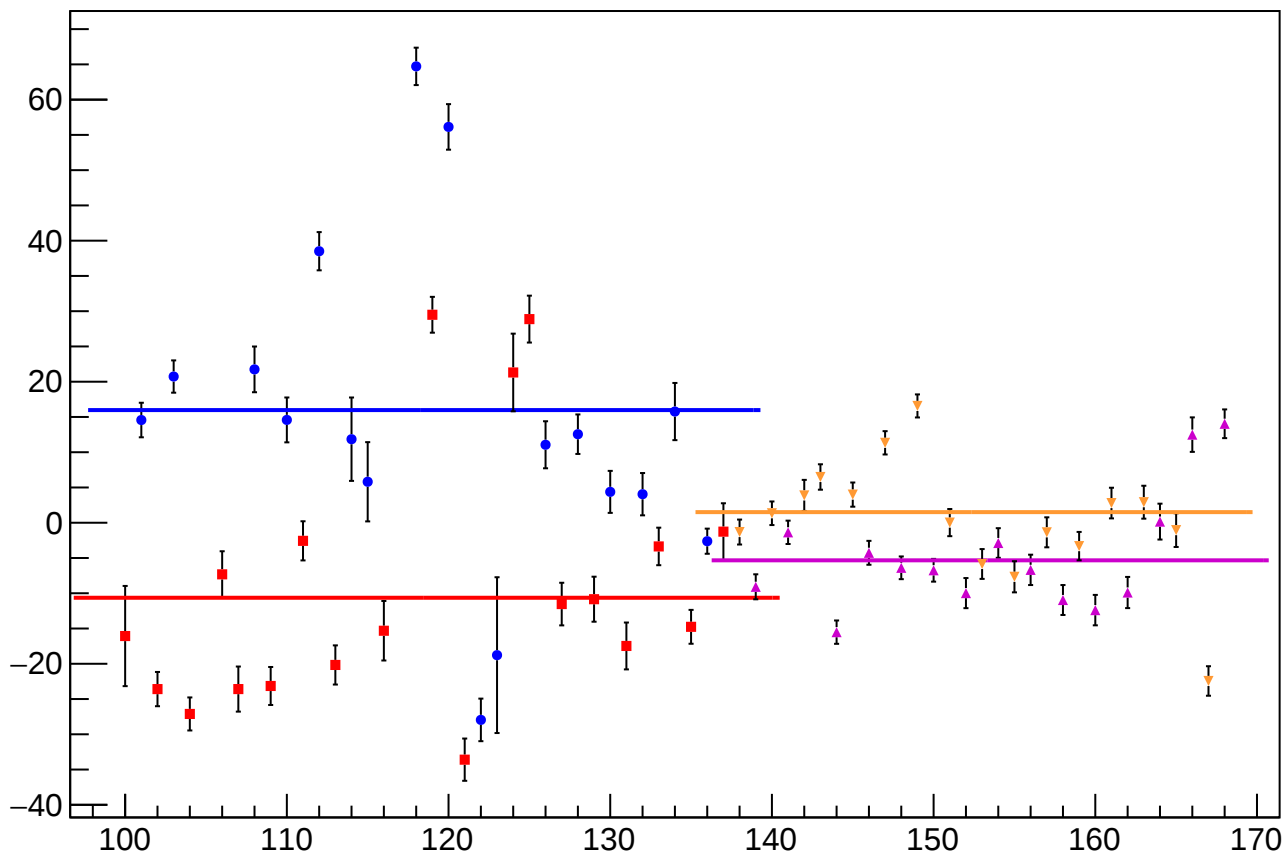
Left In: 1999.666 ± 0.420 χ^2/NDF : 622845.4/14

+ sign 1904.345 ± 0.316 χ^2/NDF : 833894.9/32

All: 1901.112 ± 0.222 χ^2/NDF : 1767489.6/60

- sign 1897.923 ± 0.314 χ^2/NDF : 933386.5/33

diff_bpm0i05Y_mean vs Slug



Right In: 15.976 $\pm$ 0.722 χ^2/NDF : 938.4/16

Left Out: 1.505 $\pm$ 0.486 χ^2/NDF : 303.9/15

Right Out: -10.638 $\pm$ 0.693 χ^2/NDF : 642.1/18

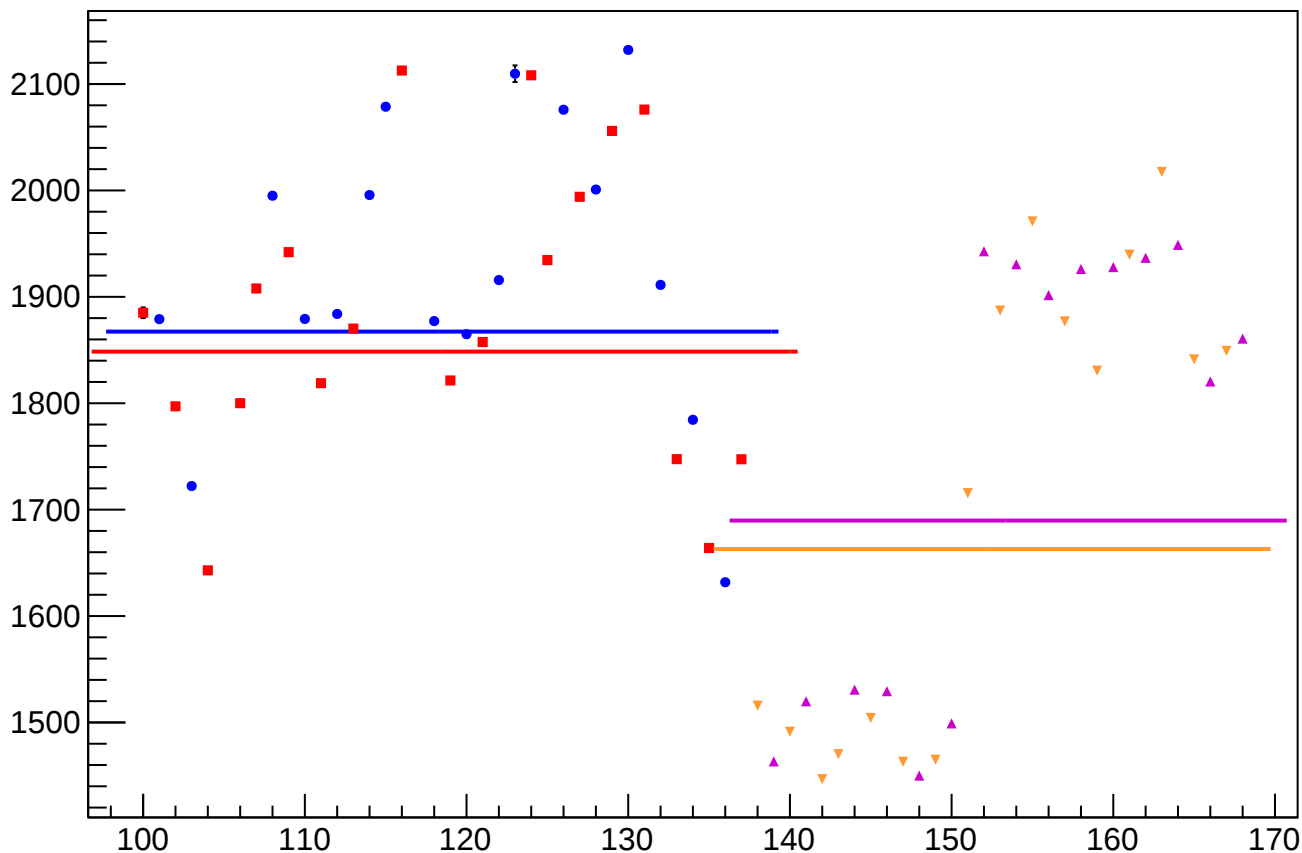
Left In: -5.330 $\pm$ 0.498 χ^2/NDF : 226.4/14

+ sign 6.019 $\pm$ 0.403 χ^2/NDF : 1519.0/32

All: -0.534 $\pm$ 0.286 χ^2/NDF : 2956.9/66

- sign -7.137 $\pm$ 0.405 χ^2/NDF : 907.1/33

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1663.023 $\pm$ 0.344 χ^2 /NDF: 355333.1/15

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

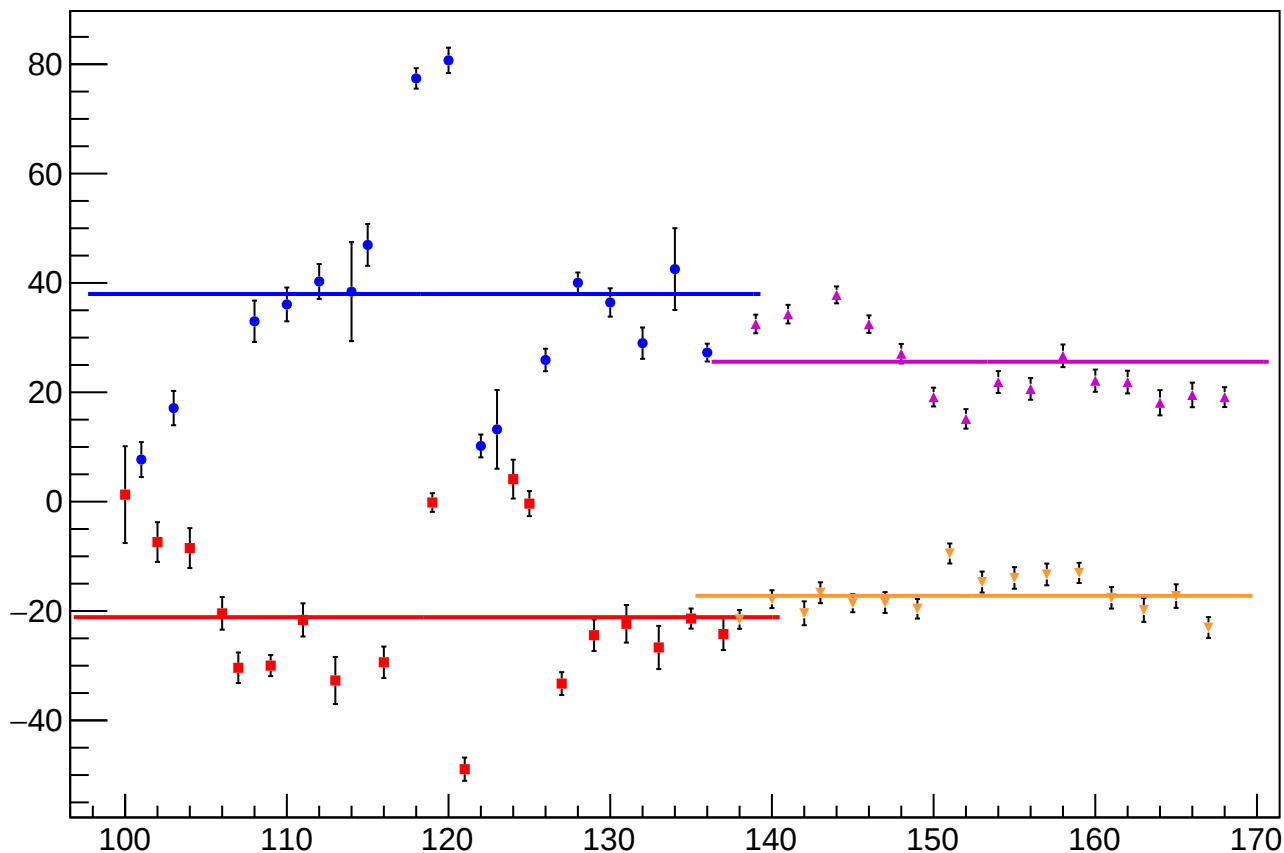
Left In: 1689.731 $\pm$ 0.352 χ^2 /NDF: 350626.3/14

+ sign 1726.757 $\pm$ 0.285 χ^2 /NDF: 546581.2/32

All: 1735.240 $\pm$ 0.202 χ^2 /NDF: 1040715.1/60

- sign 1743.787 $\pm$ 0.286 χ^2 /NDF: 492355.0/33

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 $\chi^2/\text{NDF}: 1204.3/16$

Left Out: -17.217 ± 0.472 $\chi^2/\text{NDF}: 53.6/15$

Right Out: -21.124 ± 0.608 $\chi^2/\text{NDF}: 573.6/18$

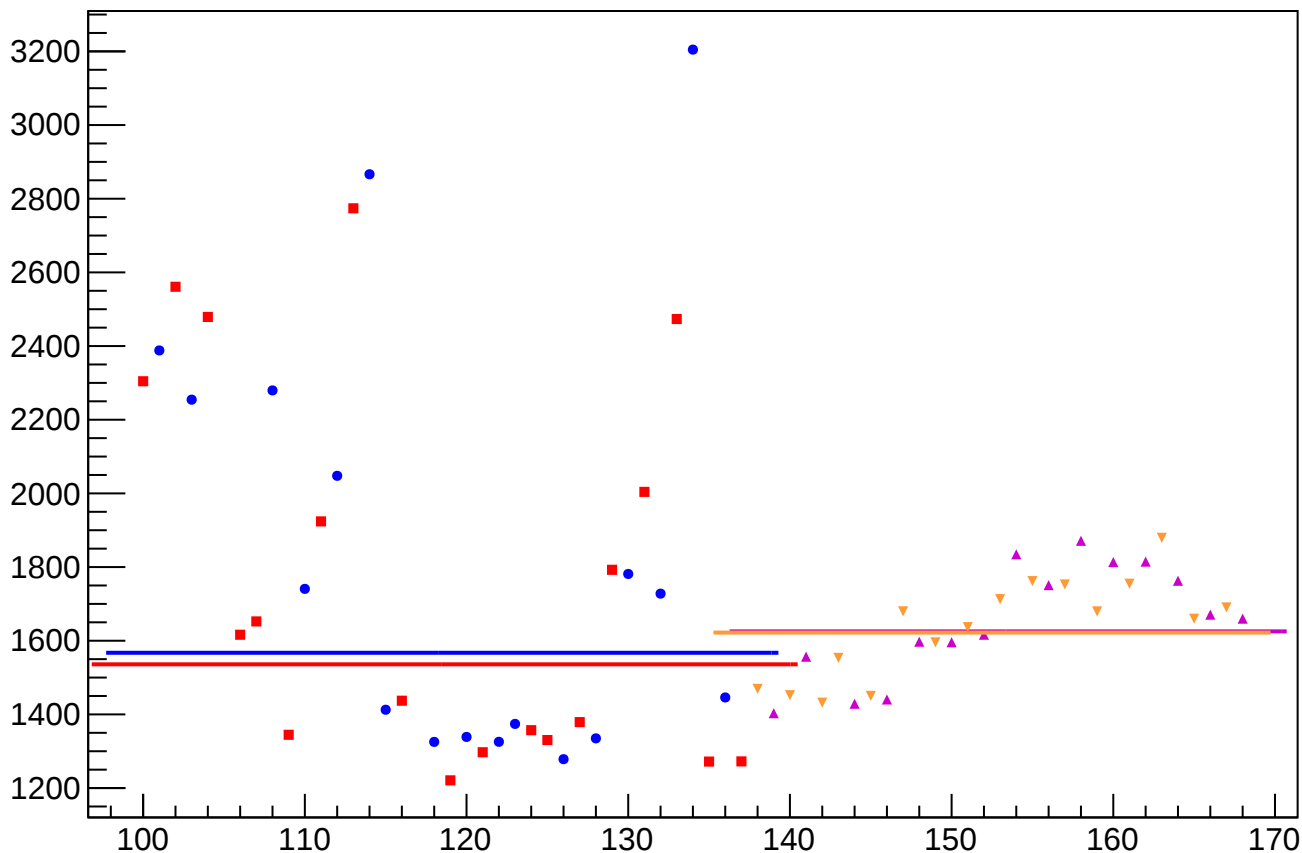
Left In: 25.587 ± 0.478 $\chi^2/\text{NDF}: 219.7/14$

+ sign 2.344 ± 0.379 $\chi^2/\text{NDF}: 6099.6/32$

All: 5.070 ± 0.267 $\chi^2/\text{NDF}: 10639.2/66$

- sign 7.746 ± 0.376 $\chi^2/\text{NDF}: 4437.4/33$

diff_bpm0i07X_rms vs Slug



Right In: 1567.328+/-0.451 χ^2/NDF : 673450.6/16

Left Out: 1622.186+/-0.334 χ^2/NDF : 144653.6/15

Right Out: 1535.967+/-0.430 χ^2/NDF : 882098.2/18

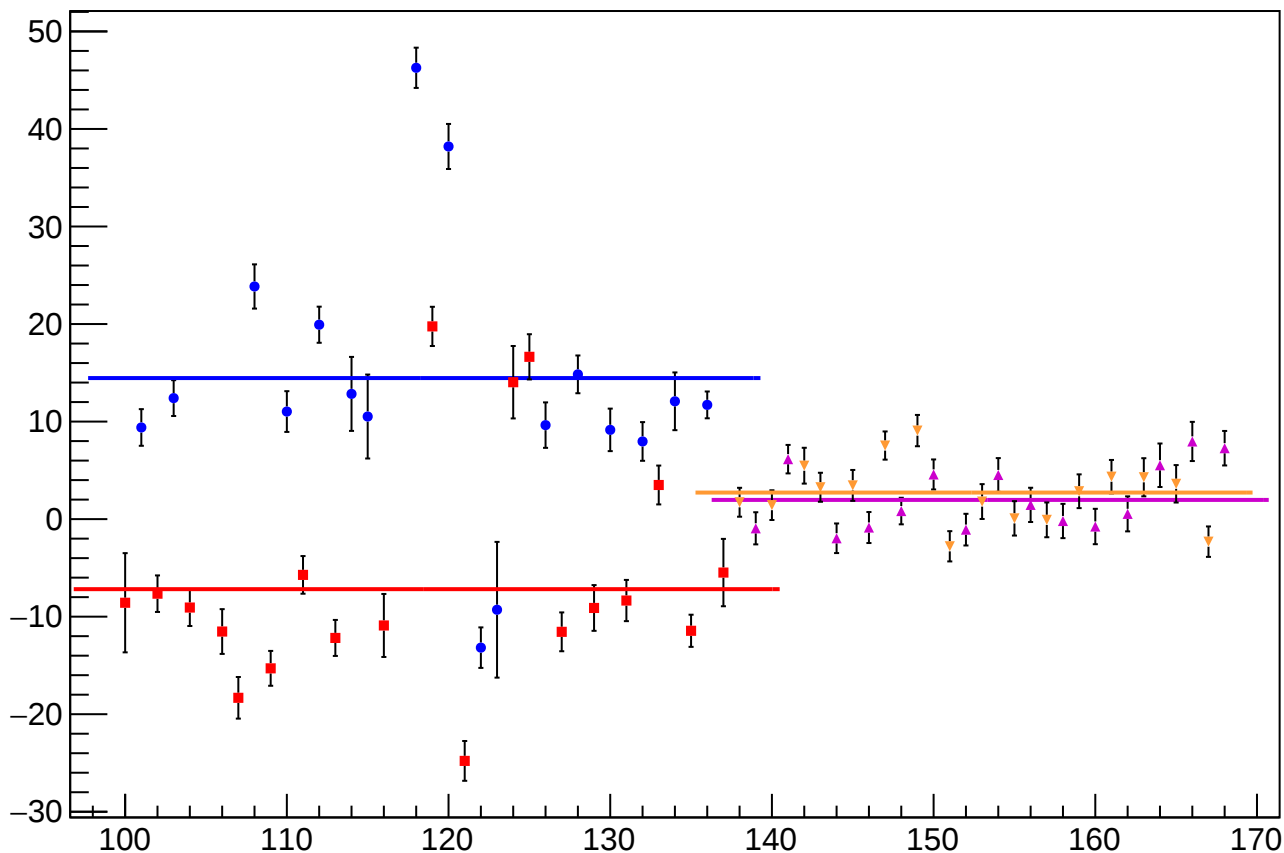
Left In: 1625.425+/-0.338 χ^2/NDF : 198275.1/14

+ sign 1602.744+/-0.268 χ^2/NDF : 827669.5/32

All: 1596.948+/-0.189 χ^2/NDF : 1935697.3/60

- sign 1591.257+/-0.266 χ^2/NDF : 1107102.8/33

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 ± 0.523 χ^2/NDF : 595.9/16

Left Out: 2.722 ± 0.412 χ^2/NDF : 60.3/15

Right Out: -7.181 ± 0.494 χ^2/NDF : 495.7/18

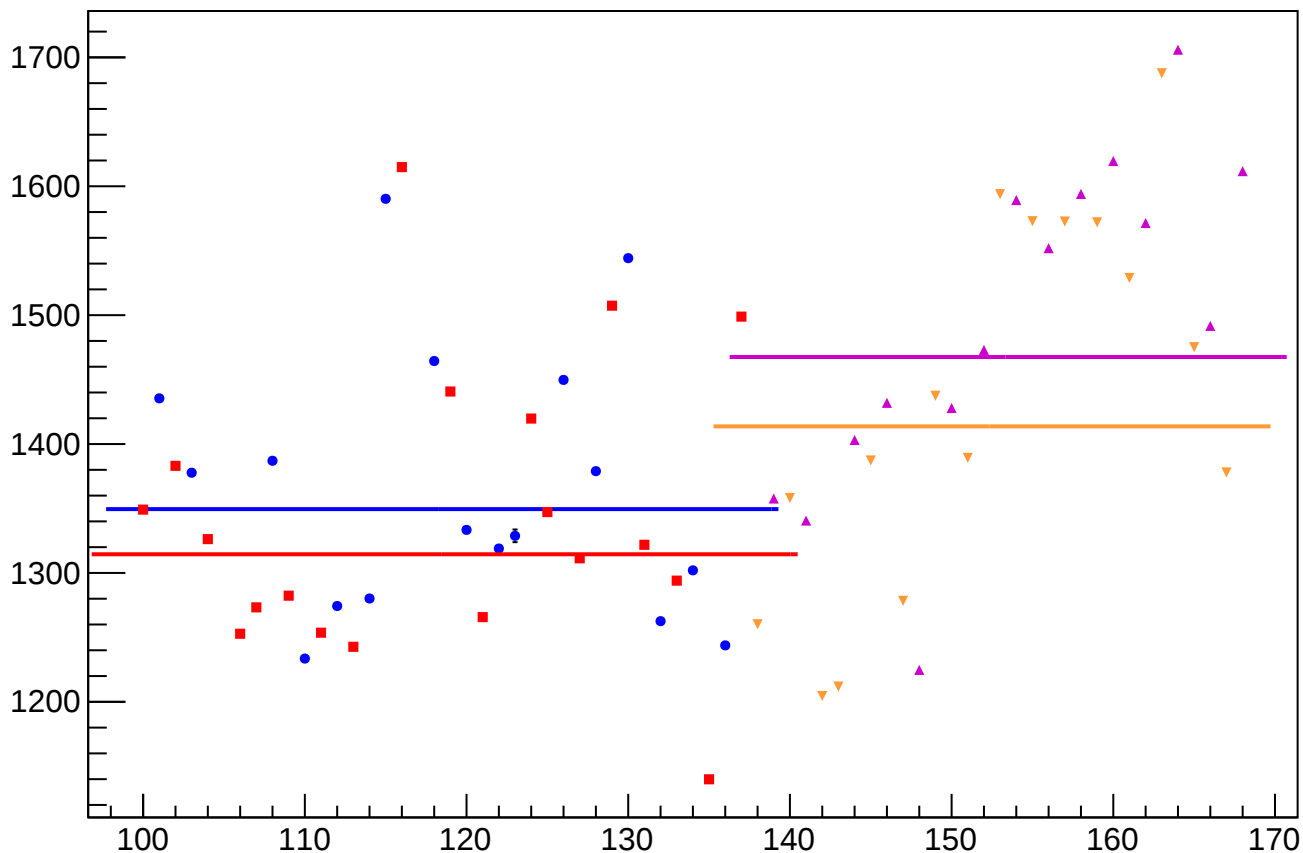
Left In: 1.969 ± 0.431 χ^2/NDF : 55.4/14

+ sign 7.219 ± 0.324 χ^2/NDF : 966.8/32

All: 2.634 ± 0.229 χ^2/NDF : 2114.9/66

- sign -1.986 ± 0.325 χ^2/NDF : 745.5/33

diff_bpm0i07Y_rms vs Slug



Right In: 1349.522 $\pm$ 0.370 χ^2 /NDF: 64667.6/16

Left Out: 1413.712 $\pm$ 0.292 χ^2 /NDF: 226714.7/15

Right Out: 1314.485 $\pm$ 0.350 χ^2 /NDF: 80952.7/18

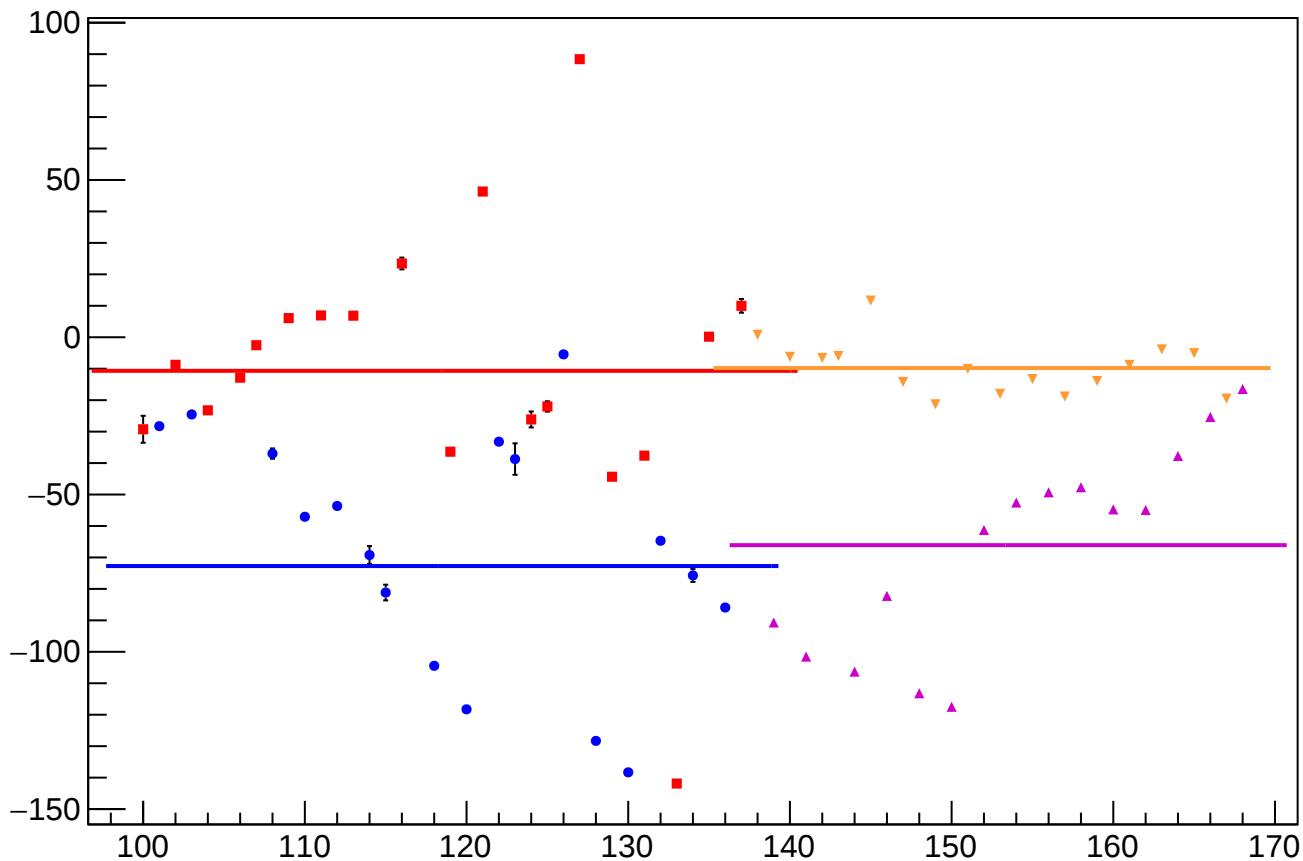
Left In: 1467.539 $\pm$ 0.305 χ^2 /NDF: 175643.5/14

+ sign 1389.125 $\pm$ 0.229 χ^2 /NDF: 309955.6/32

All: 1395.230 $\pm$ 0.162 χ^2 /NDF: 676816.4/66

- sign 1401.382 $\pm$ 0.230 χ^2 /NDF: 365433.5/33

diff_bpm1i02X_mean vs Slug



Right In: -72.741 ± 0.362 $\chi^2/\text{NDF}: 11690.4/16$

Left Out: -9.790 ± 0.270 $\chi^2/\text{NDF}: 956.7/15$

Right Out: -10.671 ± 0.352 $\chi^2/\text{NDF}: 18171.0/18$

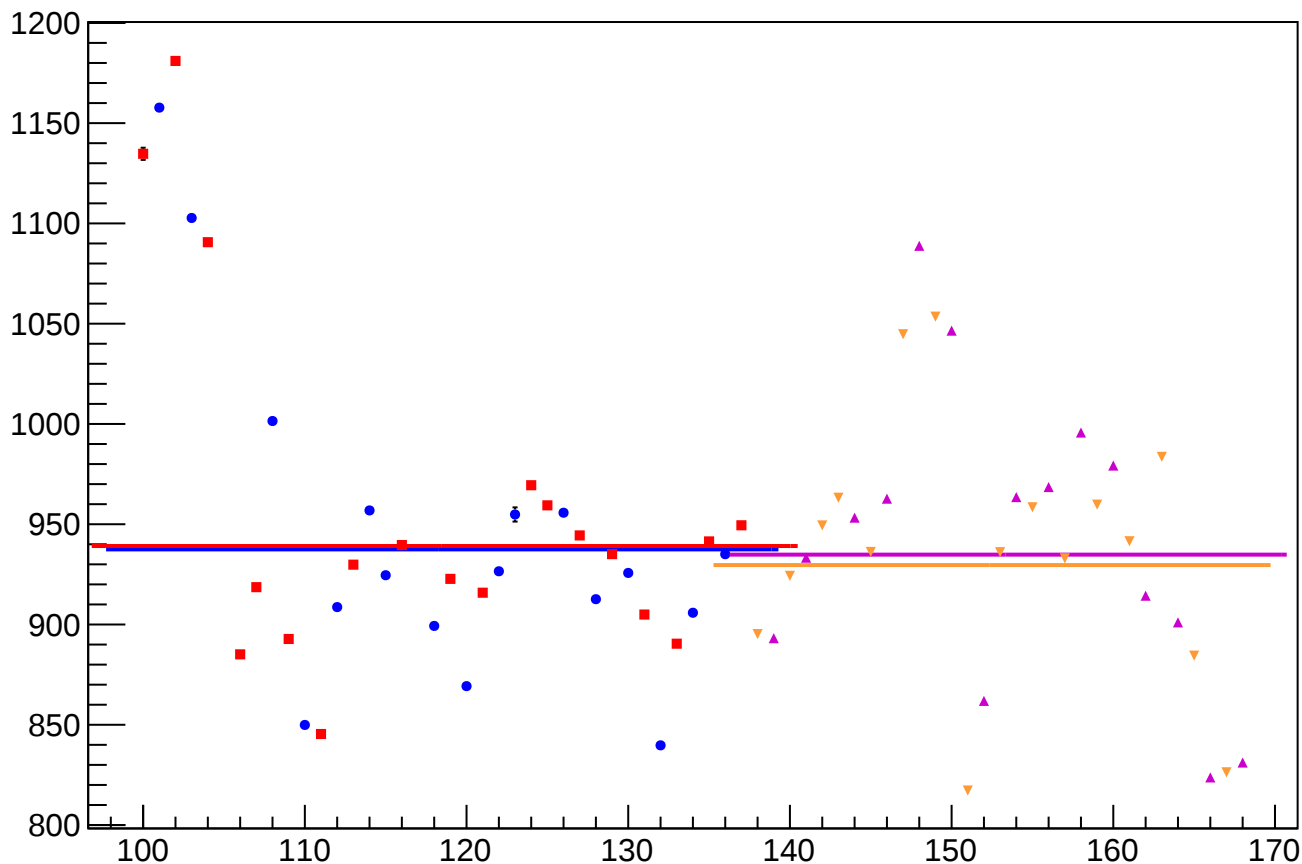
Left In: -66.096 ± 0.274 $\chi^2/\text{NDF}: 12930.2/14$

+ sign -32.292 ± 0.217 $\chi^2/\text{NDF}: 32040.0/32$

All: -38.737 ± 0.153 $\chi^2/\text{NDF}: 80314.9/66$

- sign -45.172 ± 0.216 $\chi^2/\text{NDF}: 46506.2/33$

diff_bpm1i02X_rms vs Slug



Right In: 937.454 $\pm$ 0.256 χ^2 /NDF: 98307.6/16

Left Out: 929.638 $\pm$ 0.191 χ^2 /NDF: 111346.5/15

Right Out: 939.140 $\pm$ 0.249 χ^2 /NDF: 90253.2/18

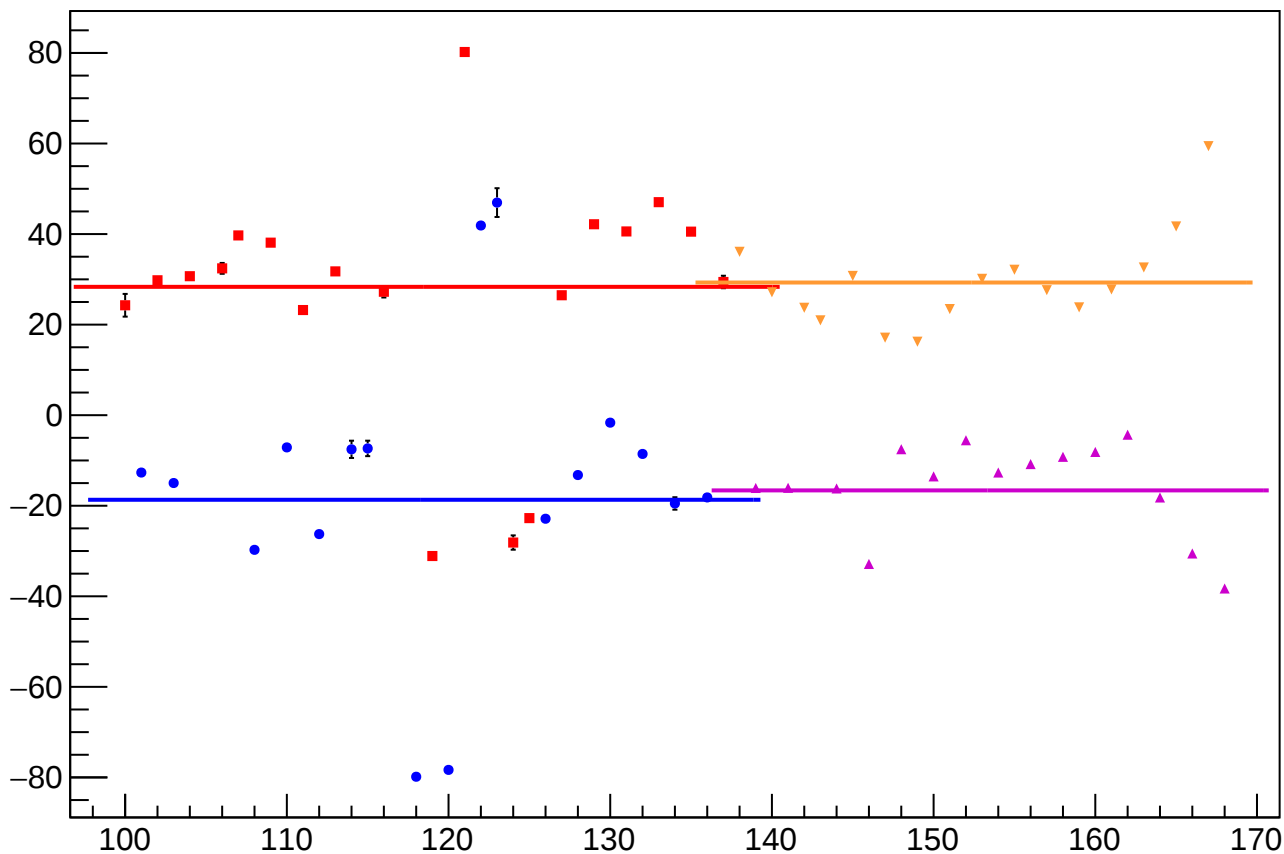
Left In: 934.842 $\pm$ 0.194 χ^2 /NDF: 130187.0/14

+ sign 932.432 $\pm$ 0.153 χ^2 /NDF: 210252.1/32

All: 934.450 $\pm$ 0.108 χ^2 /NDF: 431224.2/66

- sign 936.465 $\pm$ 0.153 χ^2 /NDF: 220625.4/33

diff_bpm1i02Y_mean vs Slug



Right In: -18.683 ± 0.243 $\chi^2/\text{NDF}: 13006.2/16$

Left Out: 29.301 ± 0.209 $\chi^2/\text{NDF}: 2567.9/15$

Right Out: 28.347 ± 0.235 $\chi^2/\text{NDF}: 12508.1/18$

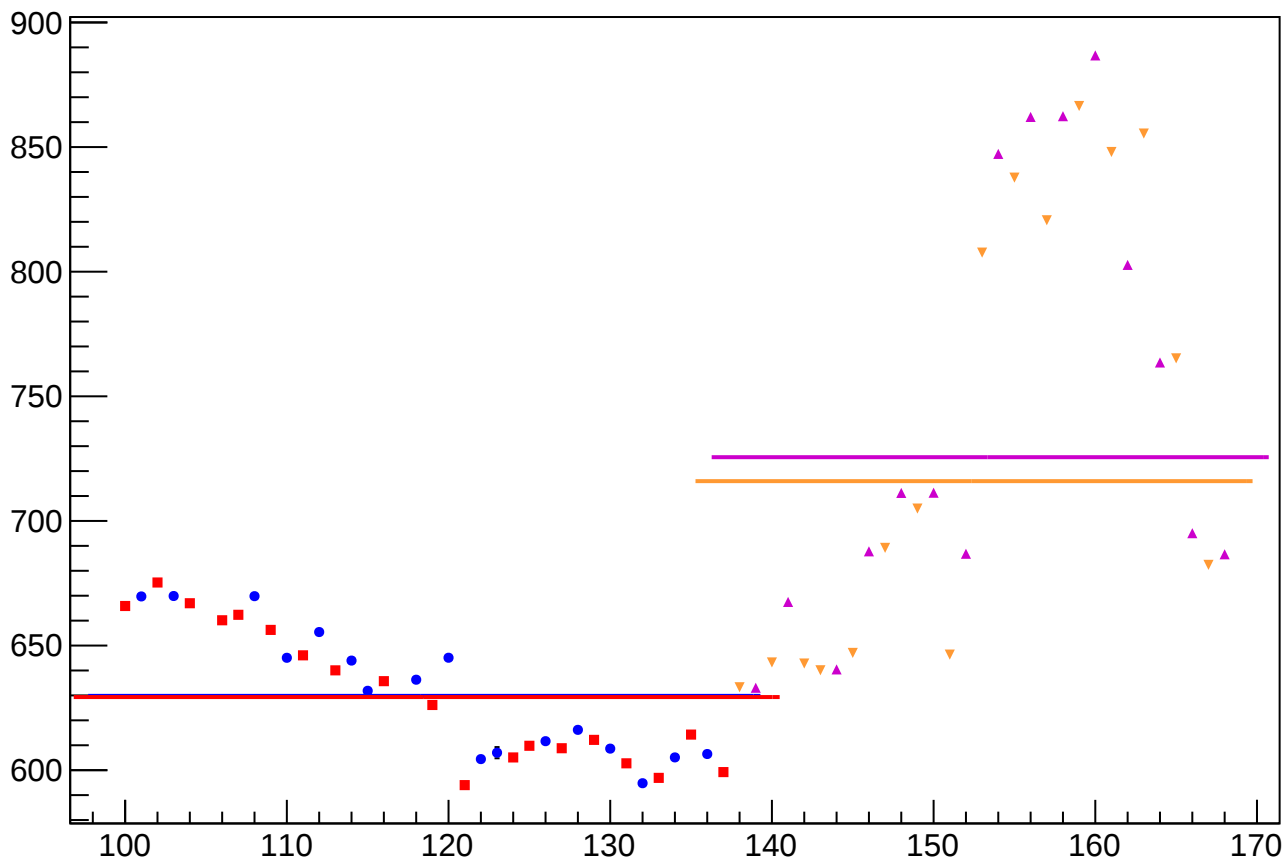
Left In: -16.611 ± 0.214 $\chi^2/\text{NDF}: 2240.9/14$

+ sign 8.838 ± 0.158 $\chi^2/\text{NDF}: 38000.8/32$

All: 6.268 ± 0.112 $\chi^2/\text{NDF}: 73258.2/66$

- sign 3.704 ± 0.158 $\chi^2/\text{NDF}: 34732.1/33$

diff_bpm1i02Y_rms vs Slug



Right In: 629.815 $\pm$ 0.172 χ^2 /NDF: 23298.3/16

Left Out: 715.968 $\pm$ 0.148 χ^2 /NDF:329437.2/15

Right Out: 629.340 $\pm$ 0.166 χ^2 /NDF: 25538.5/18

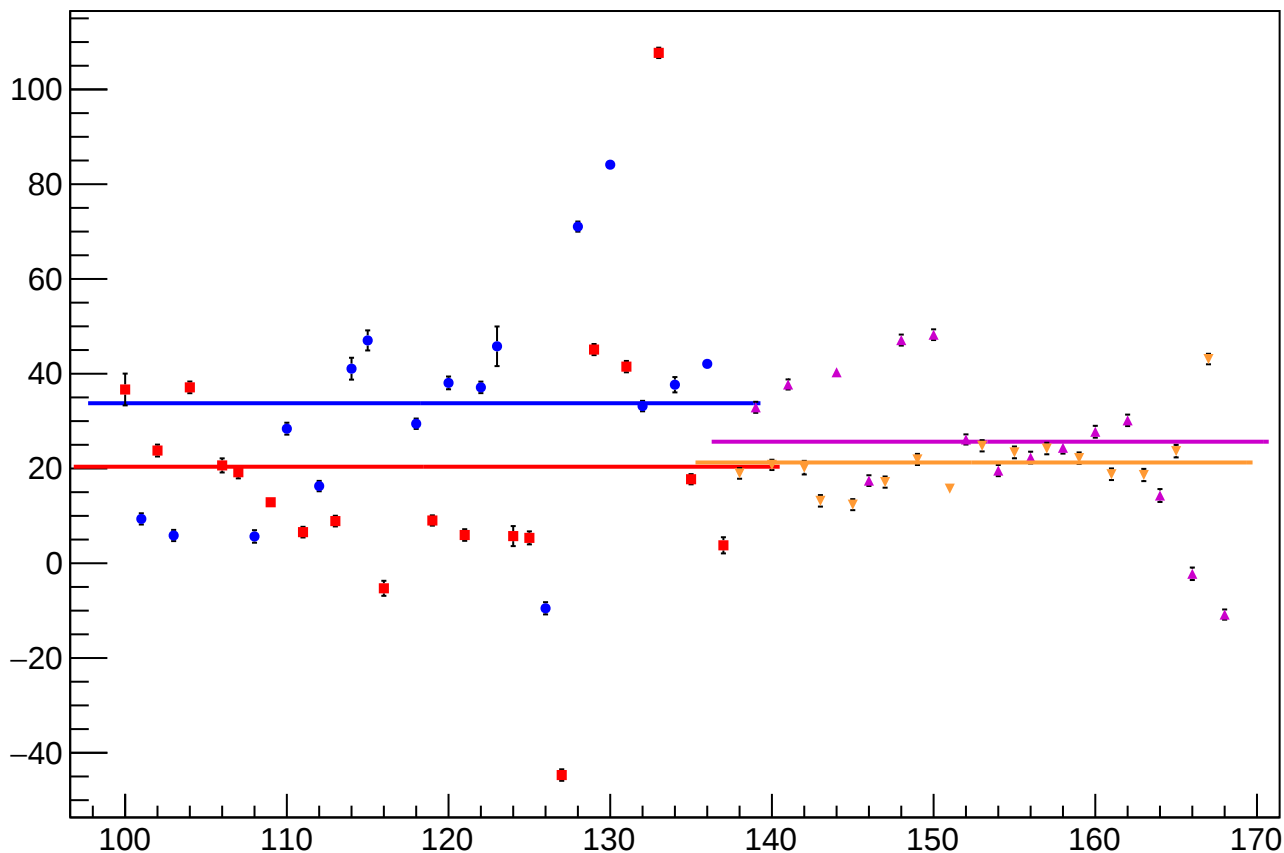
Left In: 725.577 $\pm$ 0.151 χ^2 /NDF:275595.3/14

+ sign 679.227 $\pm$ 0.112 χ^2 /NDF: 497327.1/32

All: 680.660 $\pm$ 0.079 χ^2 /NDF: 981920.6/66

- sign 682.089 $\pm$ 0.112 χ^2 /NDF: 484266.7/33

diff_bpm1i04X_mean vs Slug



Right In: 33.773 ± 0.300 χ^2/NDF : 6487.9/16

Left Out: 21.269 ± 0.298 χ^2/NDF : 565.2/15

Right Out: 20.375 ± 0.293 χ^2/NDF : 11287.7/18

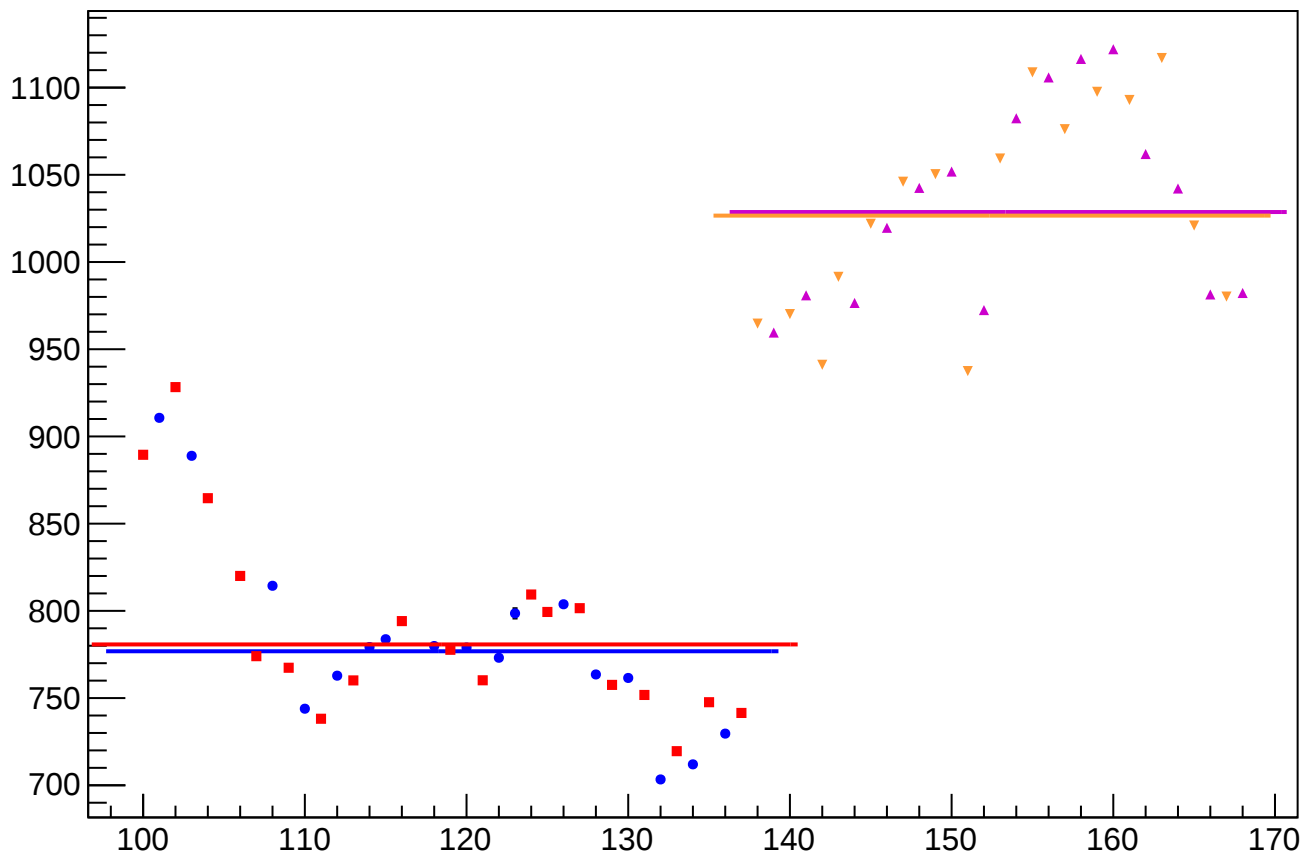
Left In: 25.654 ± 0.301 χ^2/NDF : 2872.6/14

+ sign 27.484 ± 0.211 χ^2/NDF : 7927.4/32

All: 25.193 ± 0.149 χ^2/NDF : 22478.7/66

- sign 22.935 ± 0.210 χ^2/NDF : 14318.2/33

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1026.603 $\pm$ 0.211 χ^2 /NDF: 75743.4/15

Right Out: 780.755 $\pm$ 0.207 χ^2 /NDF: 57428.9/18

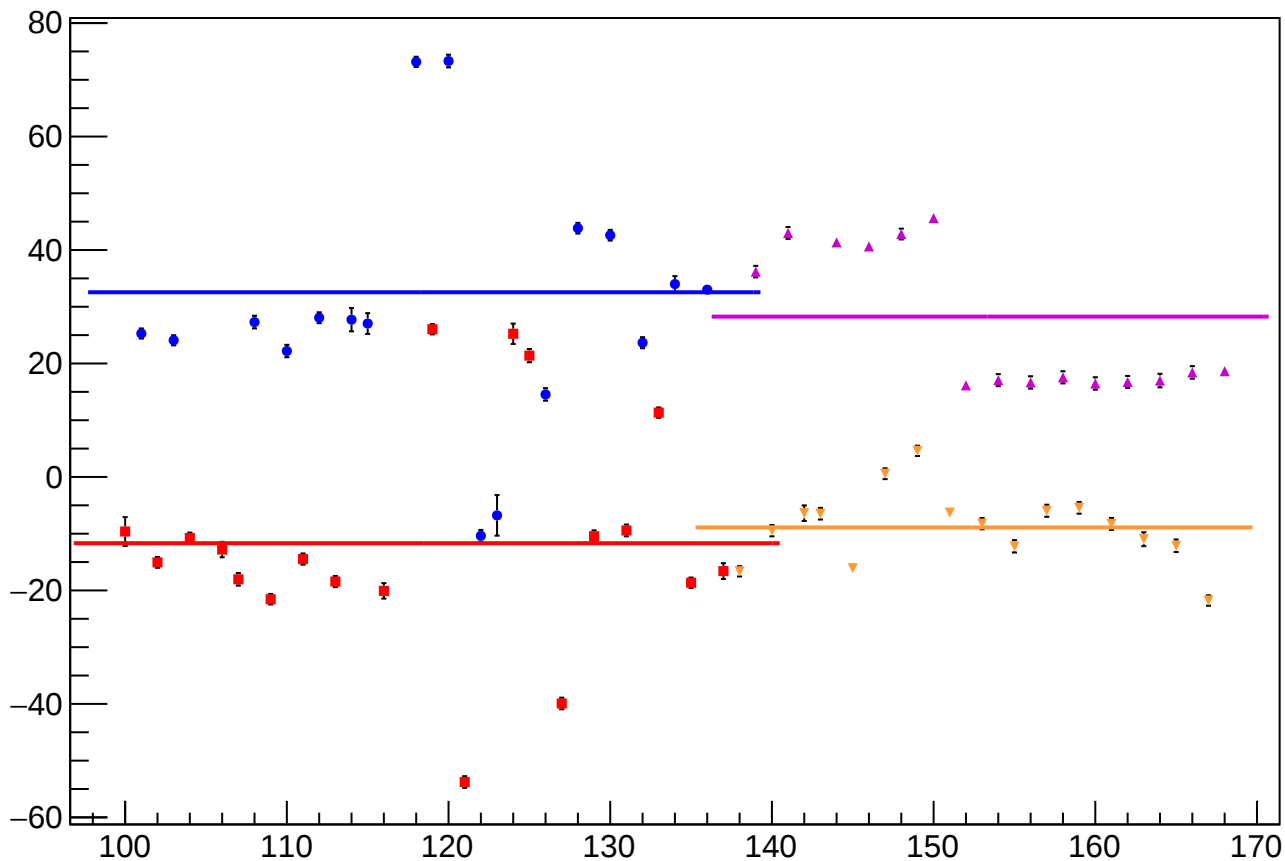
Left In: 1028.660 $\pm$ 0.213 χ^2 /NDF: 63663.0/14

+ sign 902.453 $\pm$ 0.150 χ^2 /NDF: 840925.1/32

All: 901.708 $\pm$ 0.105 χ^2 /NDF: 1658640.4/66

- sign 900.973 $\pm$ 0.148 χ^2 /NDF: 817665.9/33

diff_bpm1i04Y_mean vs Slug



Right In: 32.552 $\pm$ 0.253 χ^2 /NDF: 6073.0/16

Left Out: -8.893 $\pm$ 0.250 χ^2 /NDF: 711.5/15

Right Out: -11.674 $\pm$ 0.247 χ^2 /NDF: 6357.6/18

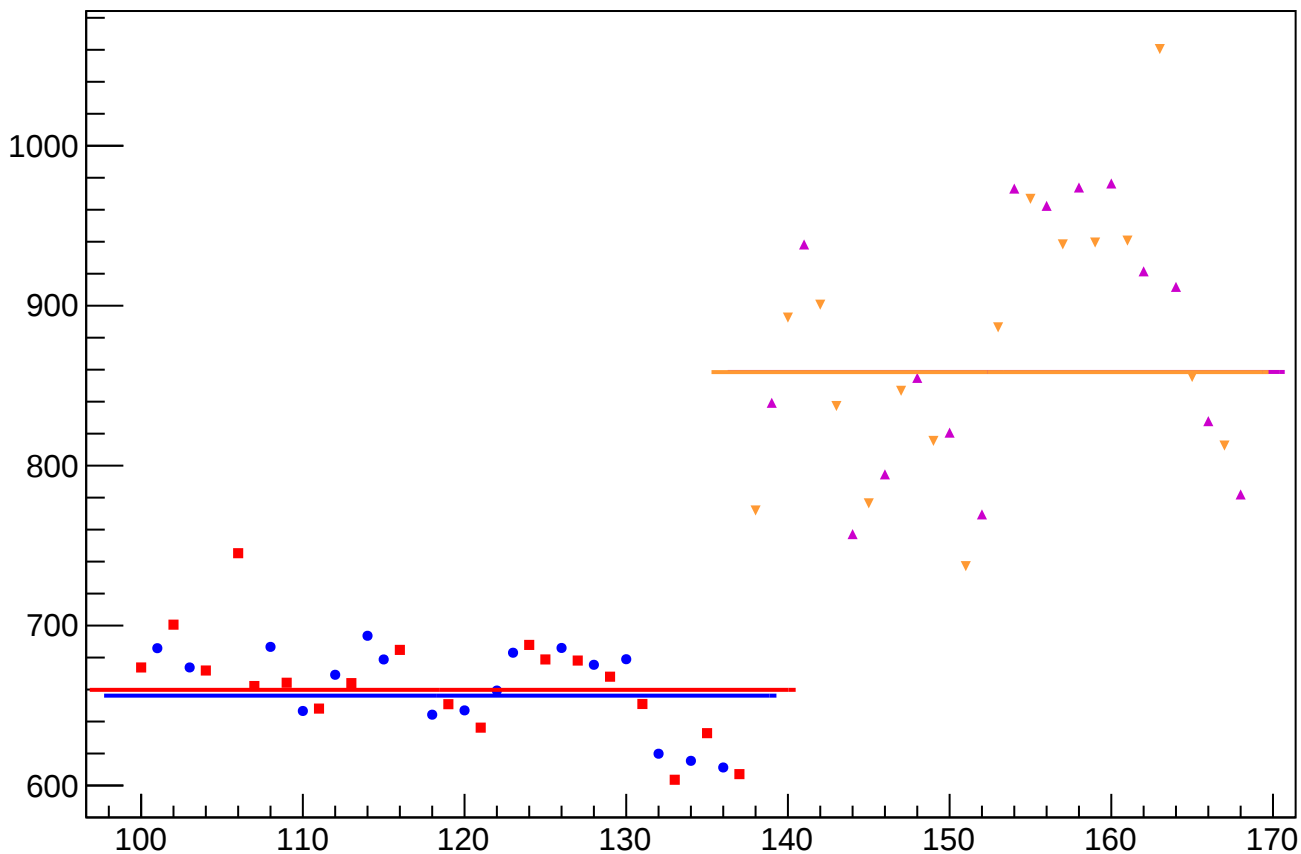
Left In: 28.260 $\pm$ 0.253 χ^2 /NDF: 2384.5/14

+ sign 11.629 $\pm$ 0.178 χ^2 /NDF: 20346.9/32

All: 9.703 $\pm$ 0.125 χ^2 /NDF: 42071.1/66

- sign 7.802 $\pm$ 0.177 χ^2 /NDF: 21491.5/33

diff_bpm1i04Y_rms vs Slug



Right In: 656.181 $\pm$ 0.179 χ^2 /NDF: 23569.6/16

Left Out: 858.479 $\pm$ 0.177 χ^2 /NDF:204753.9/15

Right Out: 659.813 $\pm$ 0.175 χ^2 /NDF: 28325.7/18

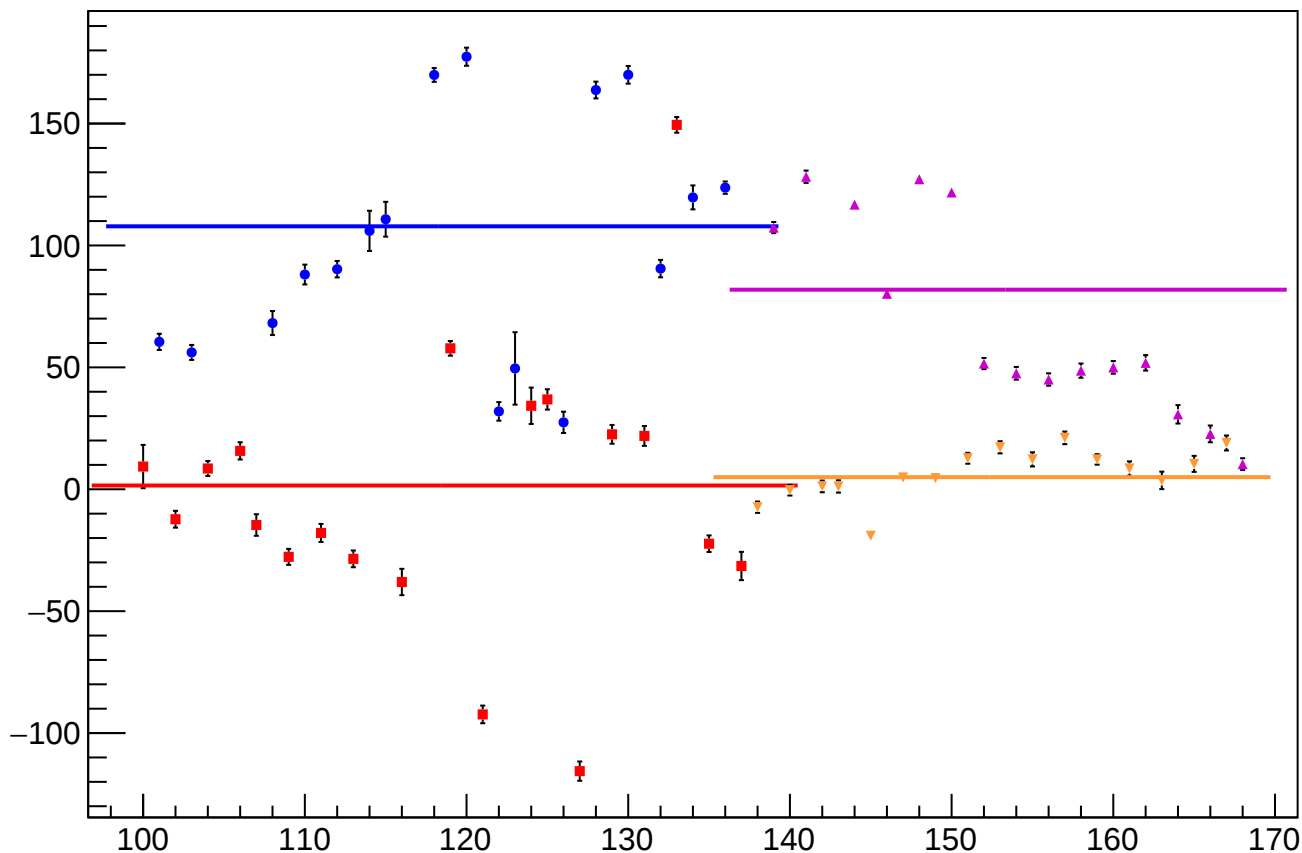
Left In: 858.572 $\pm$ 0.179 χ^2 /NDF:194871.1/14

+ sign 758.310 $\pm$ 0.126 χ^2 /NDF: 874578.1/32

All: 757.525 $\pm$ 0.089 χ^2 /NDF: 1729508.8/66

- sign 756.749 $\pm$ 0.125 χ^2 /NDF: 854853.2/33

diff_bpm1i06X_mean vs Slug



Right In: 107.852 $\pm$ 0.922 χ^2 /NDF: 2809.0/16

Left Out: 4.972 $\pm$ 0.593 χ^2 /NDF: 296.7/15

Right Out: 1.542 $\pm$ 0.883 χ^2 /NDF: 4523.8/18

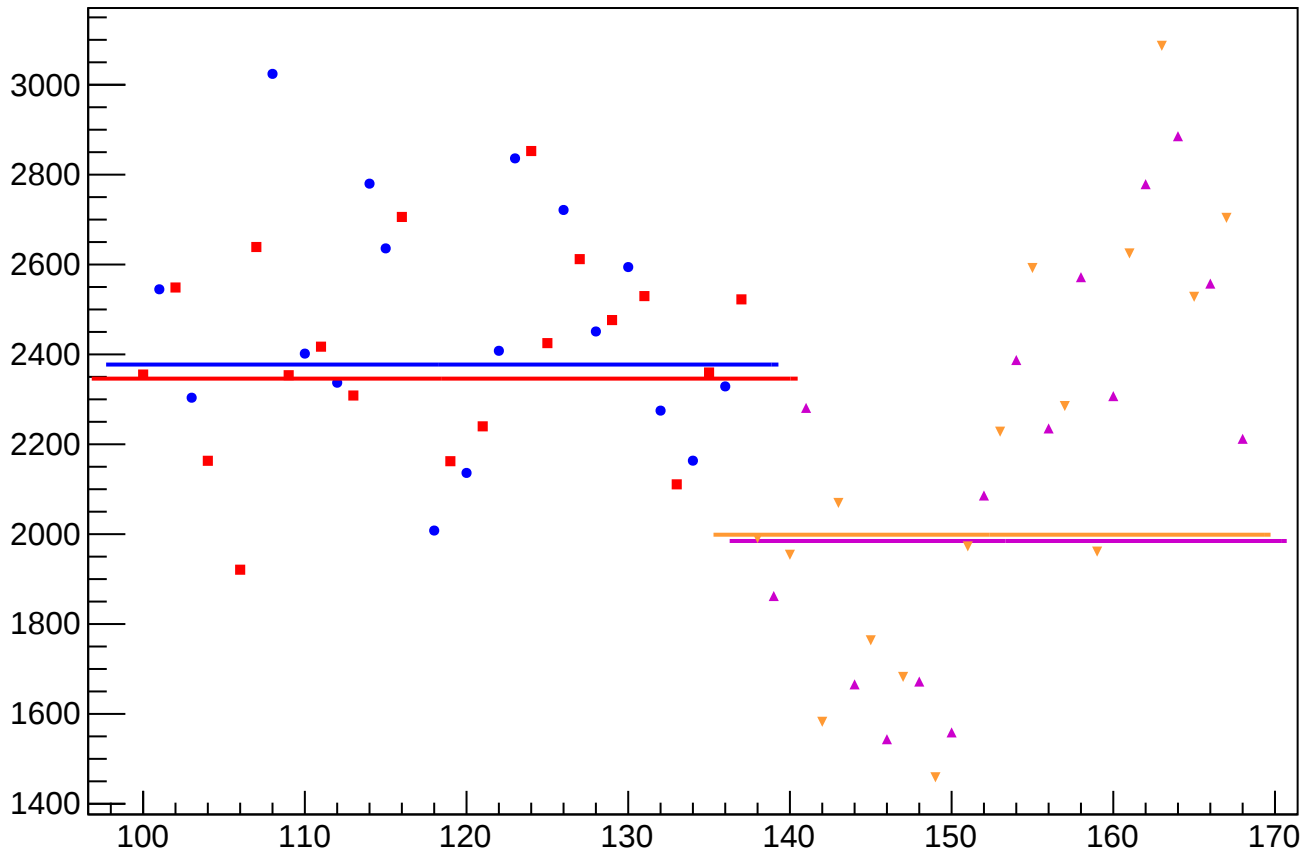
Left In: 81.863 $\pm$ 0.597 χ^2 /NDF: 4242.4/14

+ sign 35.103 $\pm$ 0.499 χ^2 /NDF: 11918.9/32

All: 45.989 $\pm$ 0.351 χ^2 /NDF: 27307.2/66

- sign 56.691 $\pm$ 0.494 χ^2 /NDF: 14443.5/33

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 1998.780+/-0.419 χ^2/NDF : 920622.4/15

Right Out: 2346.121+/-0.625 χ^2/NDF : 108257.3/18

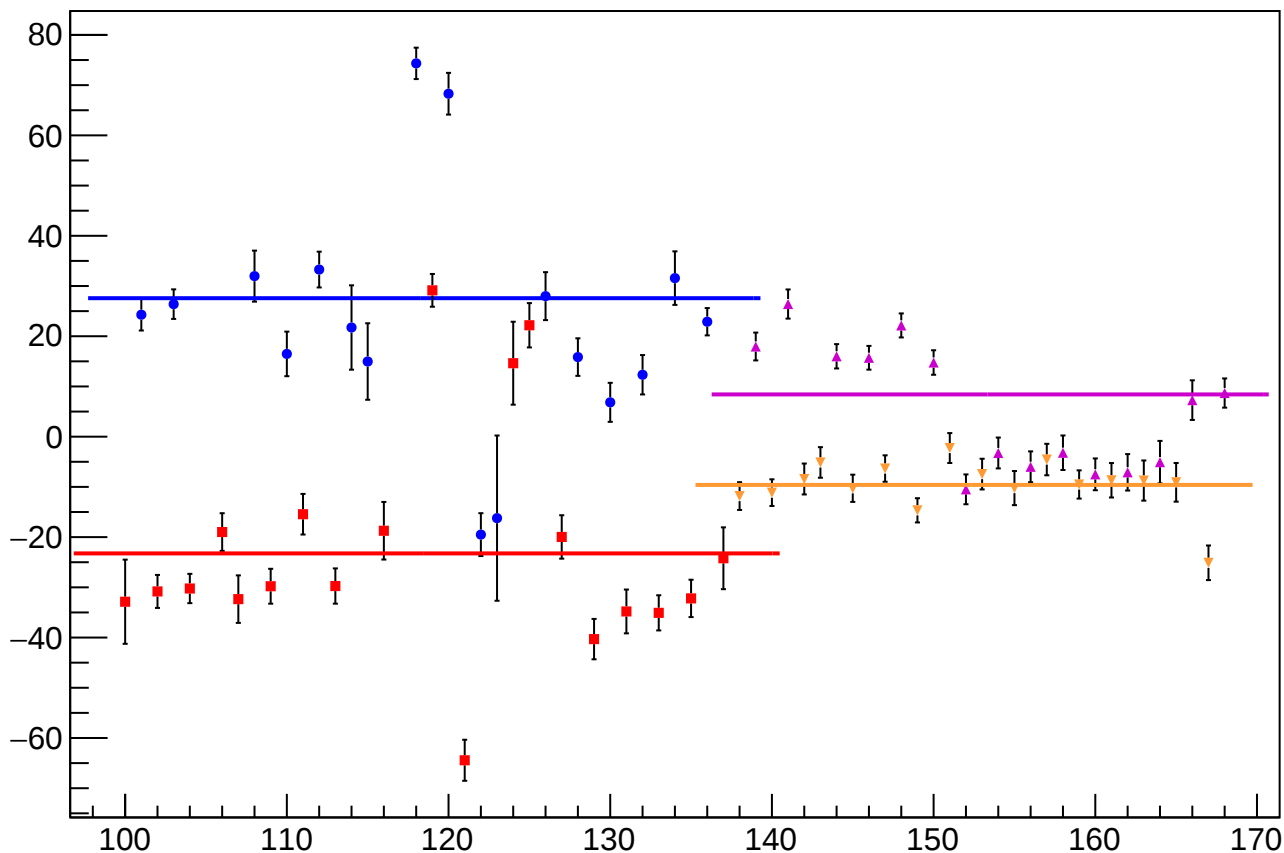
Left In: 1984.796+/-0.422 χ^2/NDF : 905546.8/14

+ sign 2109.677+/-0.353 χ^2/NDF : 1279029.2/32

All: 2103.803+/-0.248 χ^2/NDF : 2523164.3/60

- sign 2098.029+/-0.350 χ^2/NDF : 1243584.9/33

diff_bpm1i06Y_mean vs Slug



Right In: 27.577+/-0.975 χ^2 /NDF: 519.6/16

Left Out: -9.605+/-0.751 χ^2 /NDF:38.9/15

Right Out: -23.243+/-0.927 χ^2 /NDF: 557.9/18

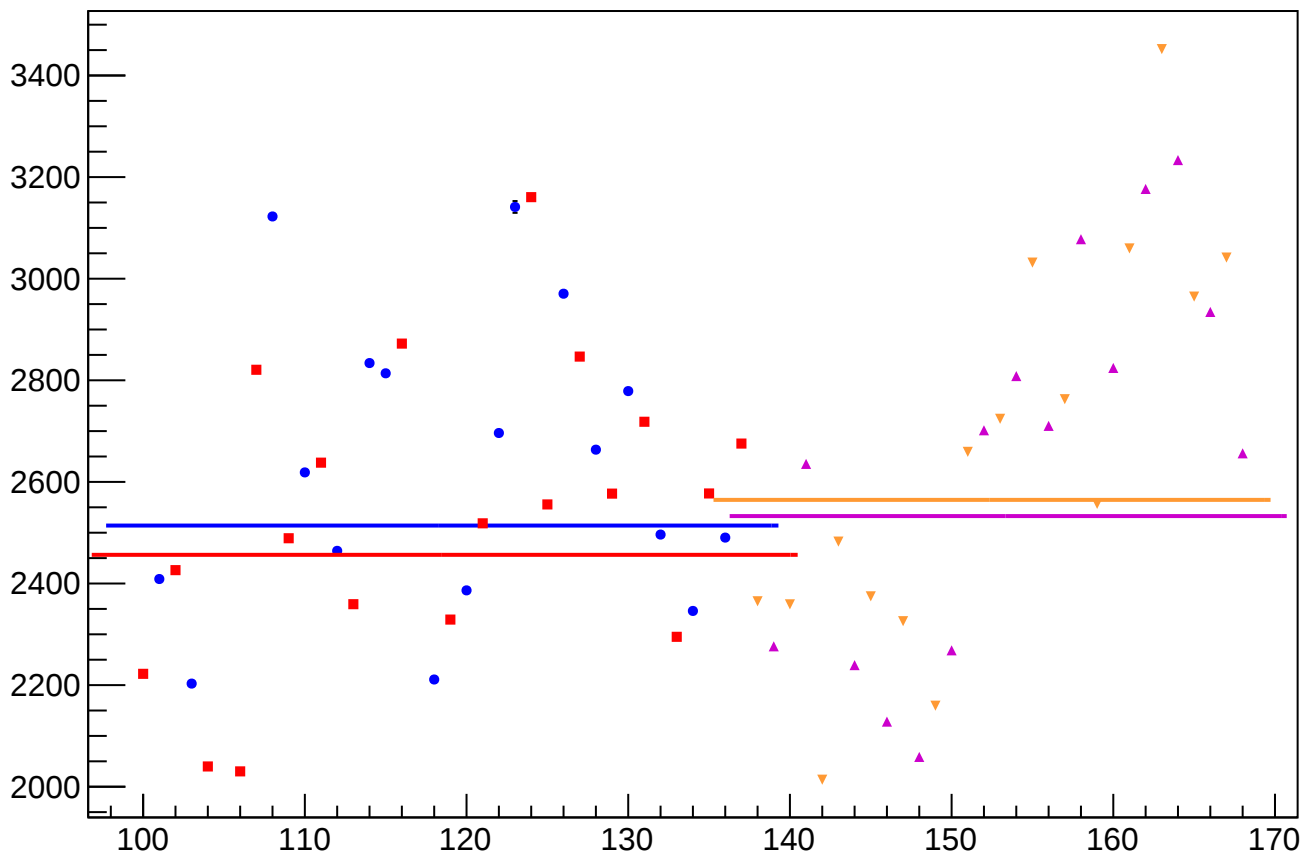
Left In: 8.413+/-0.753 χ^2 /NDF:251.6/14

+ sign 4.249+/-0.595 χ^2 /NDF: 1471.3/32

All: -0.034+/-0.417 χ^2 /NDF: 3085.4/66

- sign -4.163+/-0.584 χ^2 /NDF: 1512.4/33

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088+/-0.689 χ^2 /NDF: 120961.3/16

Left Out: 2564.633+/-0.531 χ^2 /NDF: 423855.9/15

Right Out: 2456.460+/-0.655 χ^2 /NDF: 149732.7/18

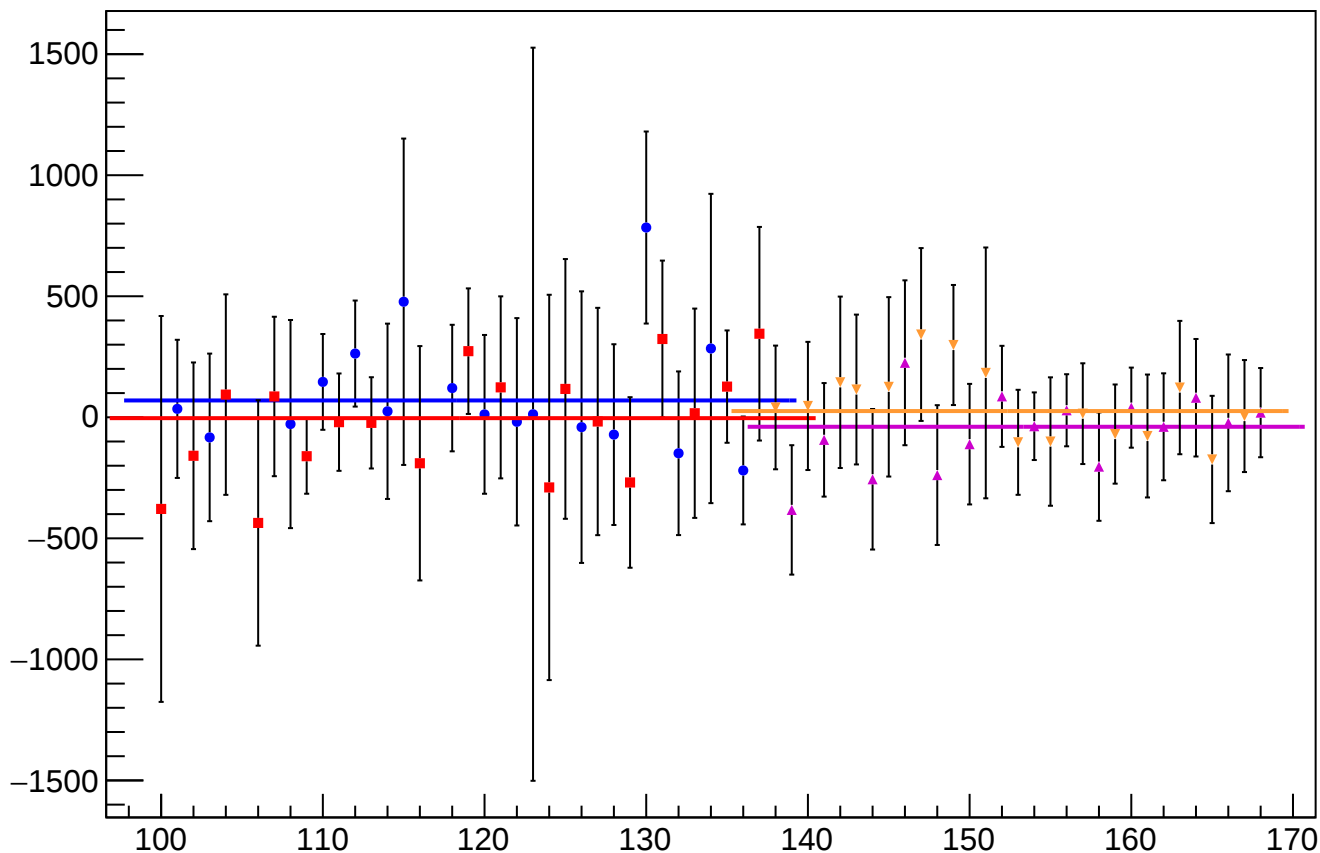
Left In: 2532.744+/-0.532 χ^2 /NDF: 448408.4/14

+ sign 2545.800+/-0.421 χ^2 /NDF: 548190.9/32

All: 2523.725+/-0.295 χ^2 /NDF: 1159902.7/60

- sign 2502.438+/-0.413 χ^2 /NDF: 606304.4/33

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 69.587 ± 79.023 $\chi^2/\text{NDF}: 7.3/16$

Left Out: 25.730 ± 66.318 $\chi^2/\text{NDF}: 4.0/15$

Right Out: -3.562 ± 69.980 $\chi^2/\text{NDF}: 6.4/18$

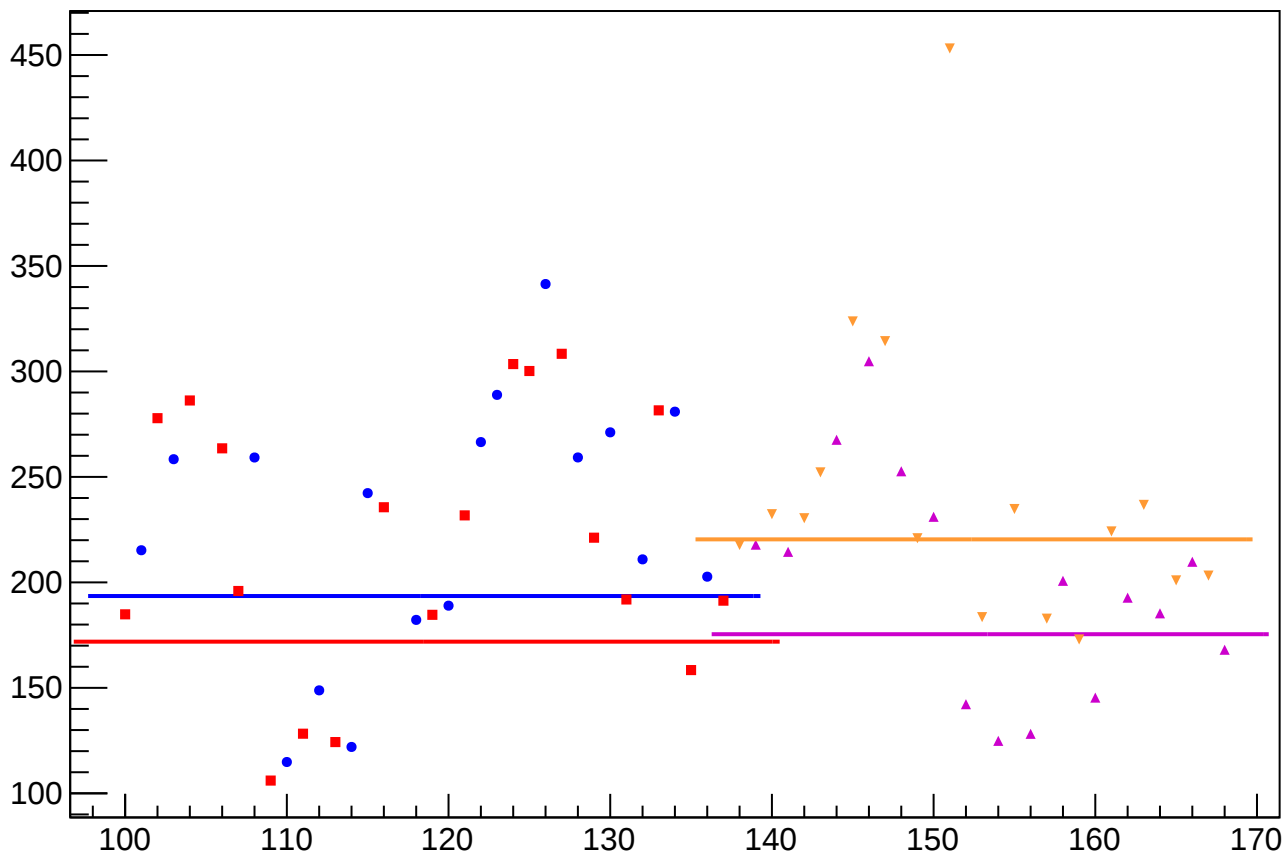
Left In: -39.141 ± 54.546 $\chi^2/\text{NDF}: 5.1/14$

+ sign 43.854 ± 50.799 $\chi^2/\text{NDF}: 11.5/32$

All: 3.353 ± 32.830 $\chi^2/\text{NDF}: 24.3/66$

- sign -25.695 ± 43.021 $\chi^2/\text{NDF}: 11.7/33$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.533 $\pm$ 0.056 χ^2 /NDF: 1010428.2/16

Left Out: 220.393 $\pm$ 0.047 χ^2 /NDF:990255.4/15

Right Out: 171.901 $\pm$ 0.049 χ^2 /NDF: 1576883.7/18

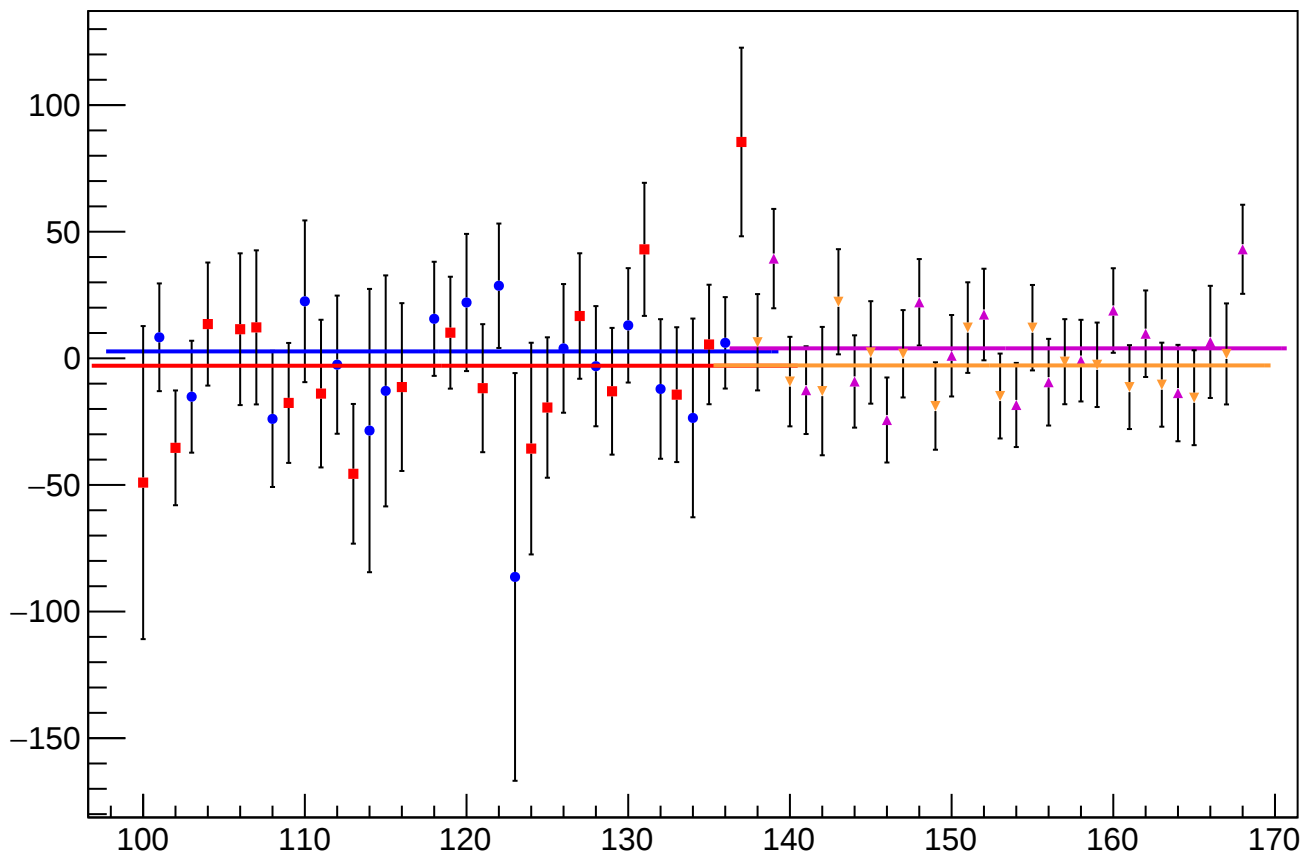
Left In: 175.433 $\pm$ 0.039 χ^2 /NDF:1493050.1/14

+ sign 209.293 $\pm$ 0.036 χ^2 /NDF: 2136259.0/32

All: 188.798 $\pm$ 0.023 χ^2 /NDF: 5768416.4/66

- sign 174.098 $\pm$ 0.030 χ^2 /NDF: 3073103.9/33

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 $\pm$ 6.424 χ^2 /NDF: 6.8/16

Left Out: -2.804 $\pm$ 4.519 χ^2 /NDF: 6.0/15

Right Out: -2.928 $\pm$ 6.279 χ^2 /NDF: 17.8/18

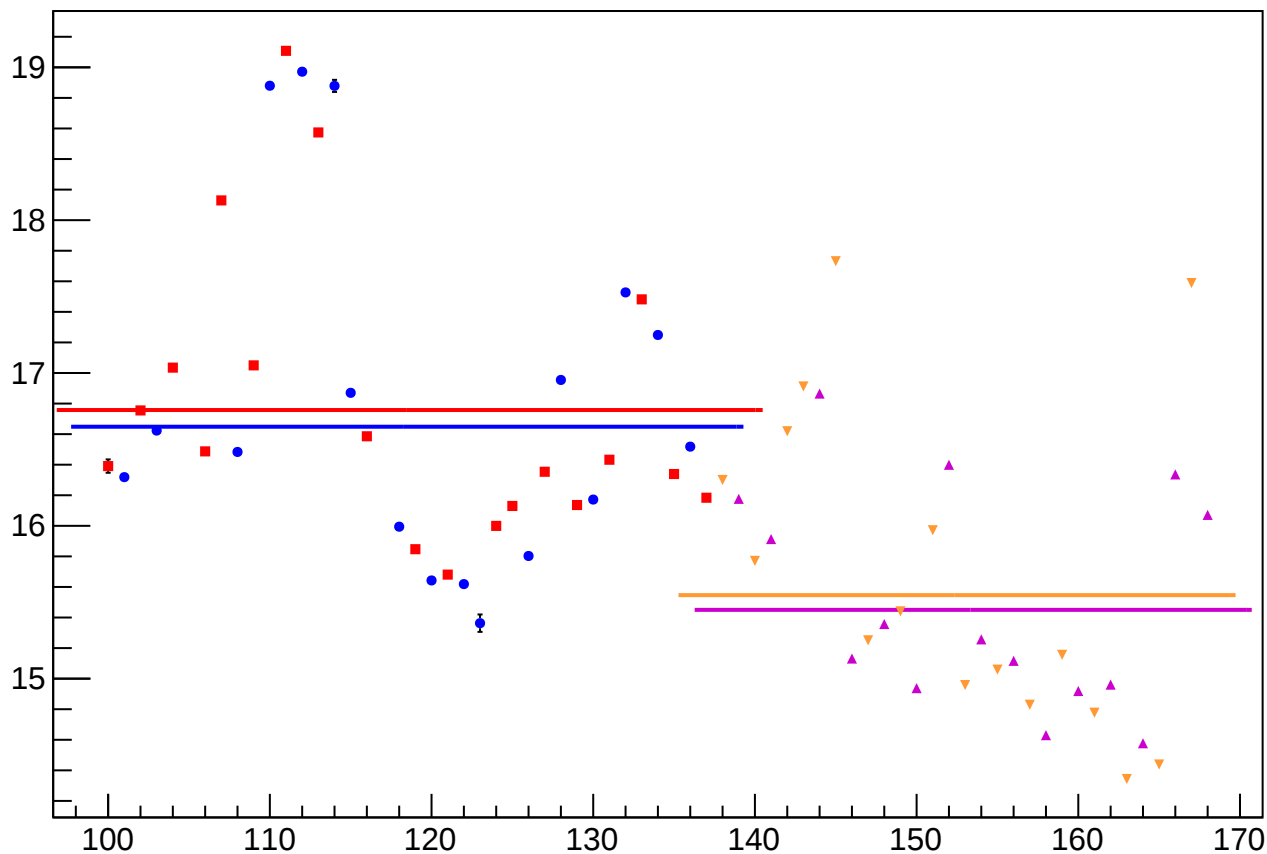
Left In: 3.943 $\pm$ 4.528 χ^2 /NDF: 18.5/14

+ sign -0.971 $\pm$ 3.696 χ^2 /NDF: 13.3/32

All: 0.318 $\pm$ 2.605 χ^2 /NDF: 50.5/66

- sign 1.591 $\pm$ 3.673 χ^2 /NDF: 37.0/33

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.649 $\pm$ 0.005 χ^2/NDF : 42566.9/16

Left Out: 15.547 $\pm$ 0.003 χ^2/NDF : 92462.3/15

Right Out: 16.758 $\pm$ 0.004 χ^2/NDF : 39950.7/18

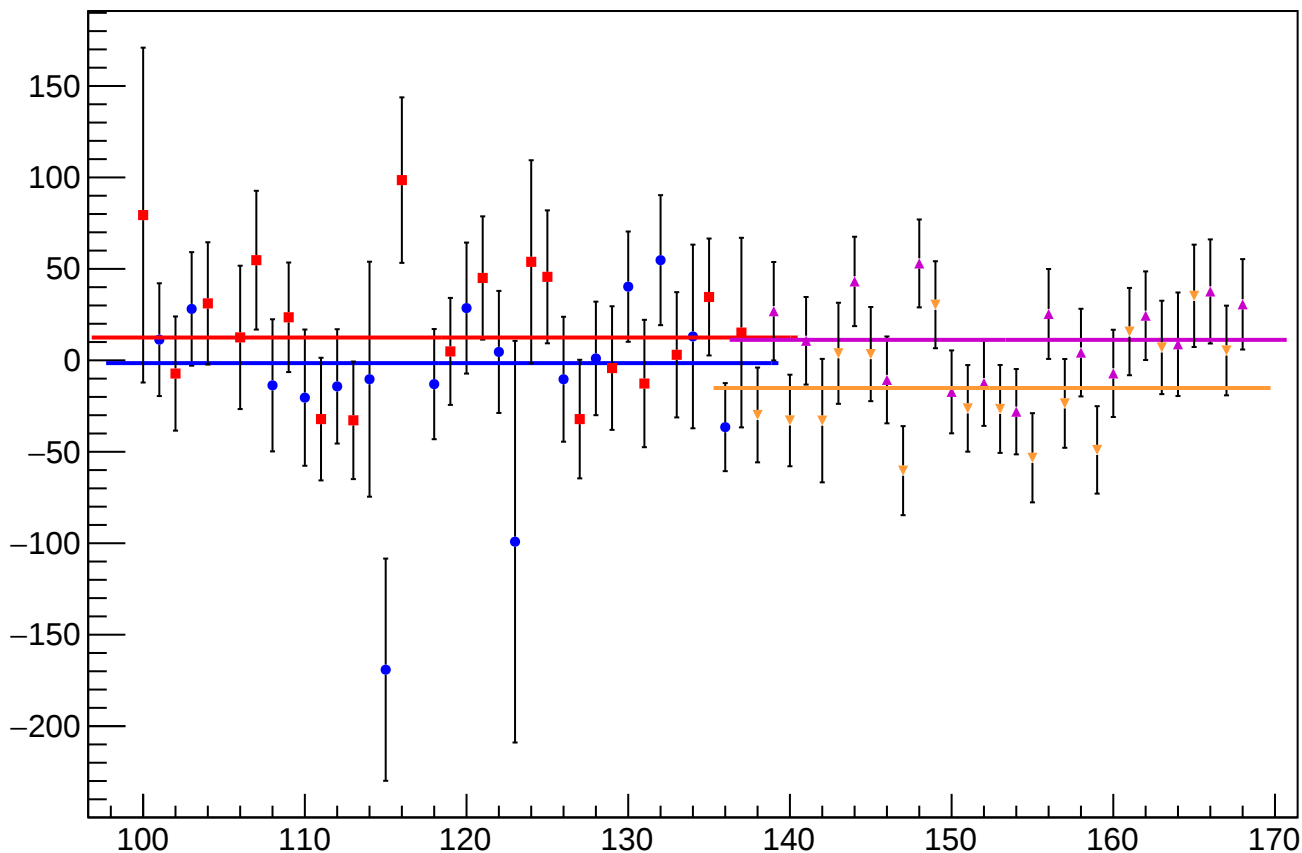
Left In: 15.450 $\pm$ 0.003 χ^2/NDF : 44319.8/14

+ sign 15.911 $\pm$ 0.003 χ^2/NDF : 174400.7/32

All: 15.904 $\pm$ 0.002 χ^2/NDF : 315746.0/66

- sign 15.898 $\pm$ 0.003 χ^2/NDF : 141331.4/33

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.523 ± 8.485 χ^2/NDF : 17.6/16

Left Out: -15.108 ± 6.310 χ^2/NDF : 20.6/15

Right Out: 12.475 ± 8.210 χ^2/NDF : 15.6/18

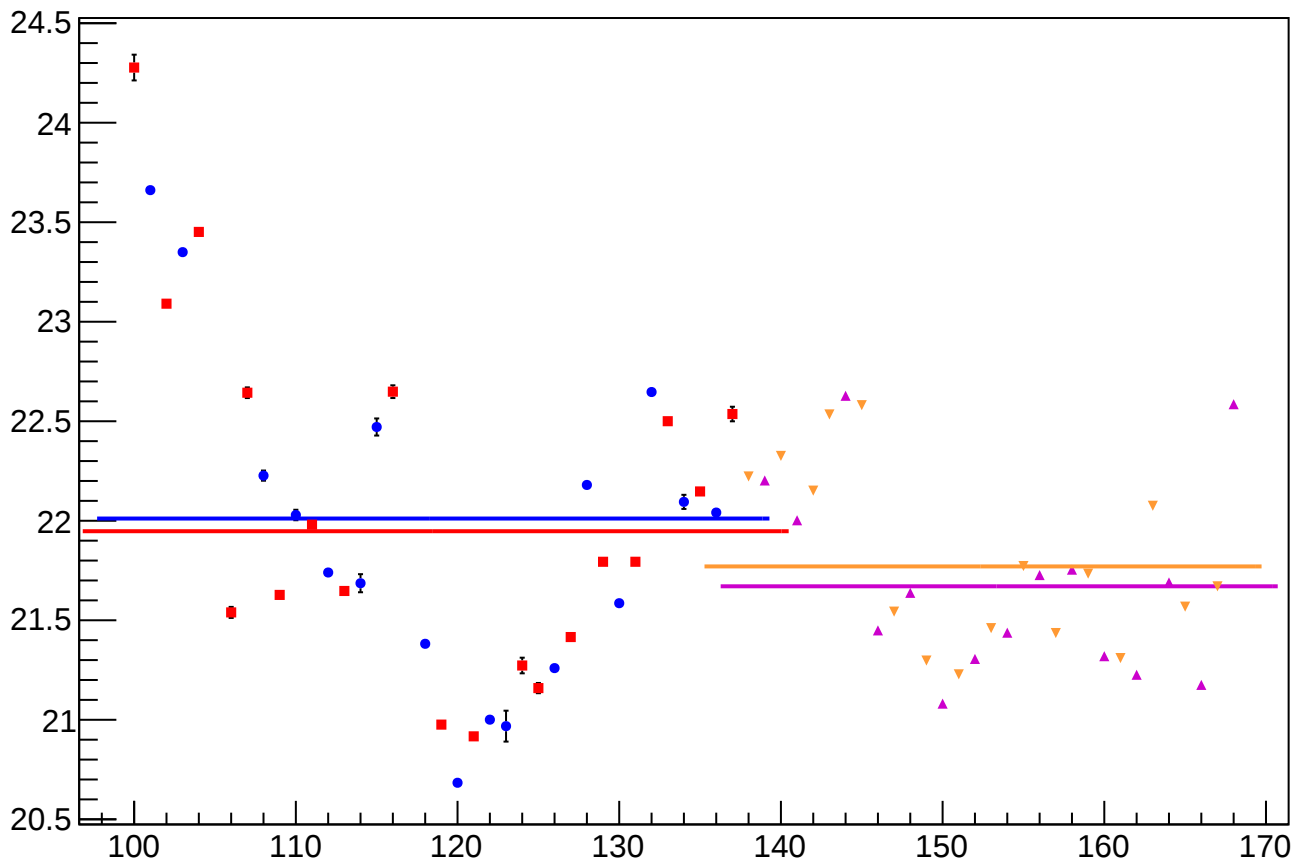
Left In: 11.204 ± 6.338 χ^2/NDF : 14.1/14

+ sign -10.270 ± 5.064 χ^2/NDF : 39.9/32

All: 0.806 ± 3.564 χ^2/NDF : 79.1/66

- sign 11.679 ± 5.017 χ^2/NDF : 29.8/33

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011 $\pm$ 0.006 χ^2 /NDF: 17546.9/16

Left Out: 21.771 $\pm$ 0.004 χ^2 /NDF: 9255.2/15

Right Out: 21.947 $\pm$ 0.006 χ^2 /NDF: 16592.7/18

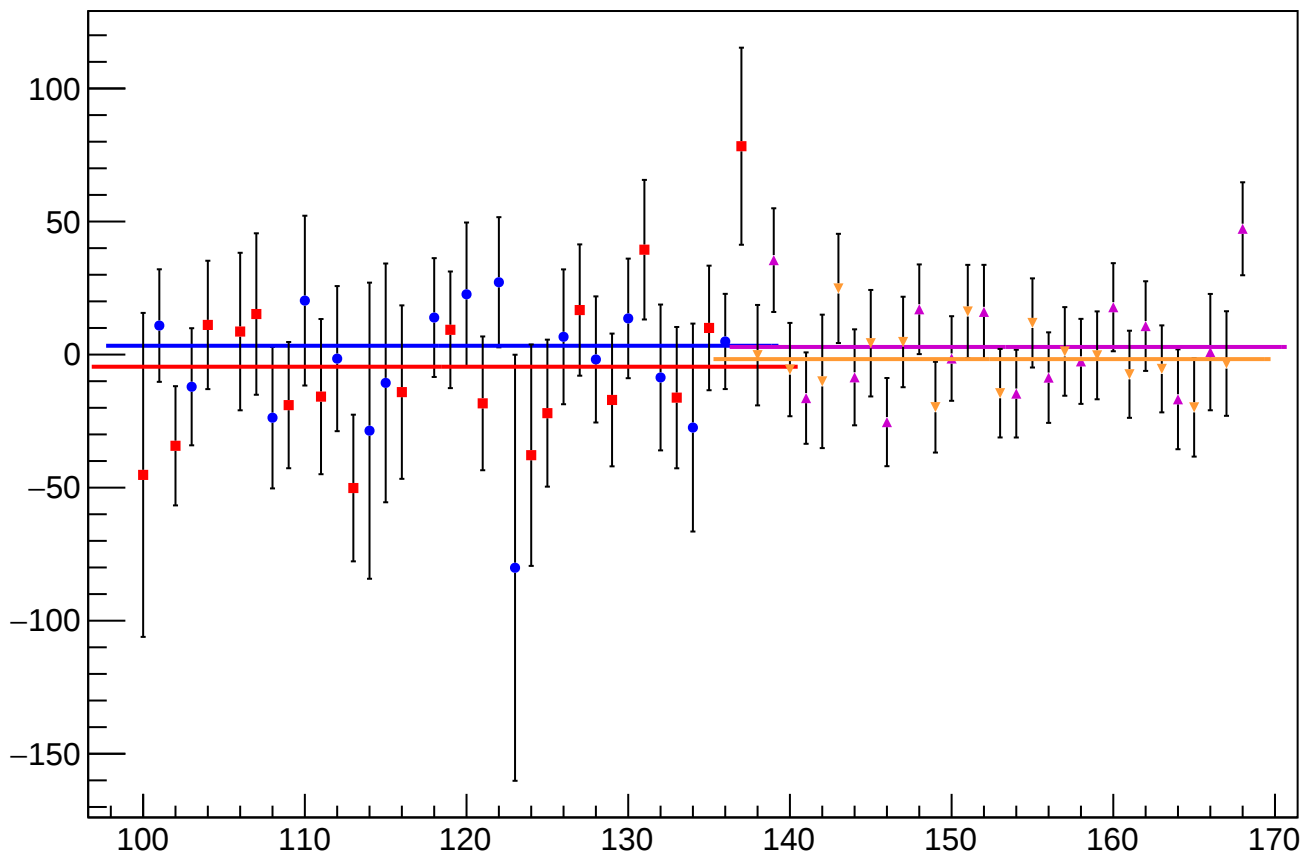
Left In: 21.671 $\pm$ 0.004 χ^2 /NDF: 10940.0/14

+ sign 21.856 $\pm$ 0.004 χ^2 /NDF: 27837.8/32

All: 21.815 $\pm$ 0.003 χ^2 /NDF: 57060.5/66

- sign 21.774 $\pm$ 0.004 χ^2 /NDF: 28956.8/33

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317 ± 6.388 χ^2/NDF : 6.3/16

Left Out: -1.700 ± 4.467 χ^2/NDF : 6.7/15

Right Out: -4.561 ± 6.244 χ^2/NDF : 17.7/18

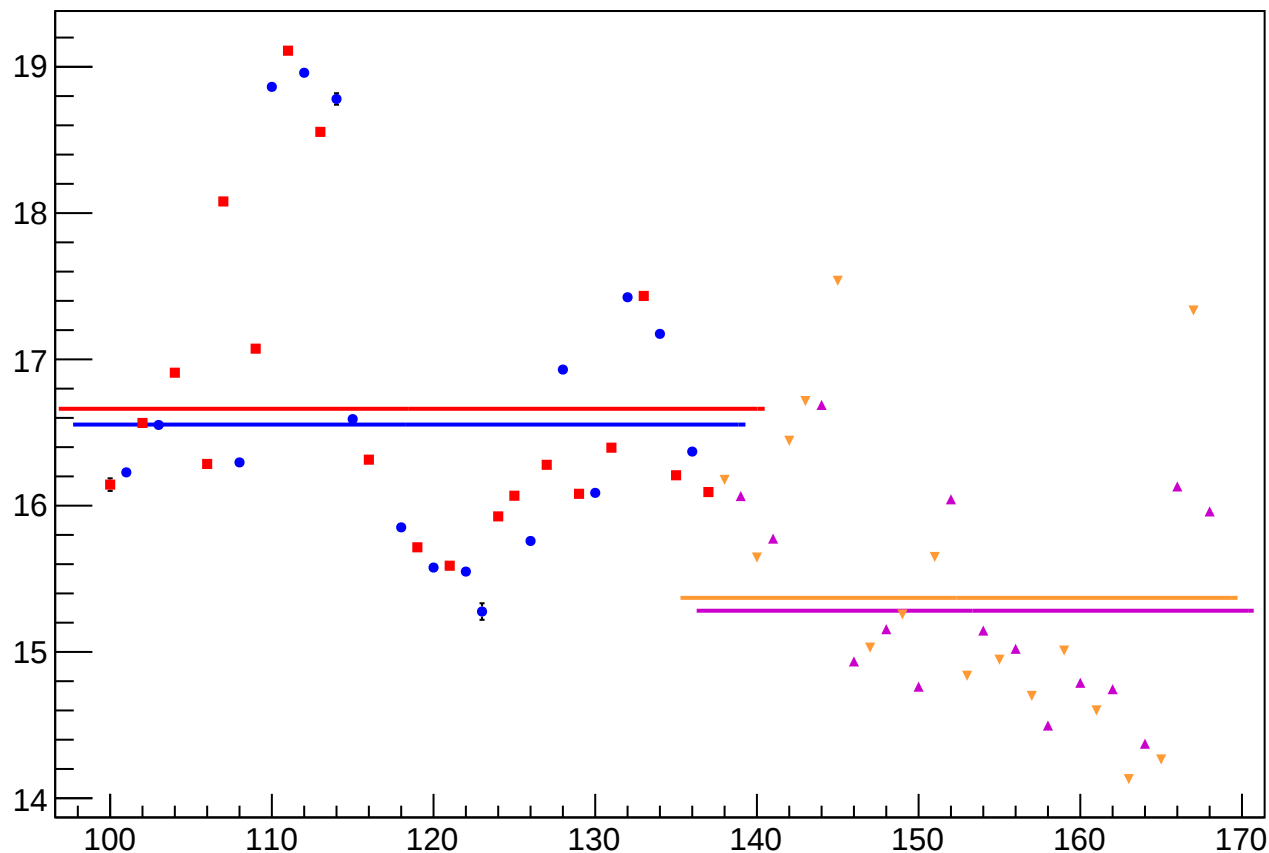
Left In: 2.868 ± 4.479 χ^2/NDF : 19.0/14

+ sign -0.052 ± 3.661 χ^2/NDF : 13.3/32

All: 0.147 ± 2.581 χ^2/NDF : 51.0/66

- sign 0.344 ± 3.639 χ^2/NDF : 37.7/33

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.554 $\pm$ 0.005 χ^2 /NDF: 44475.2/16

Left Out: 15.370 $\pm$ 0.003 χ^2 /NDF: 91801.6/15

Right Out: 16.662 $\pm$ 0.004 χ^2 /NDF: 43063.6/18

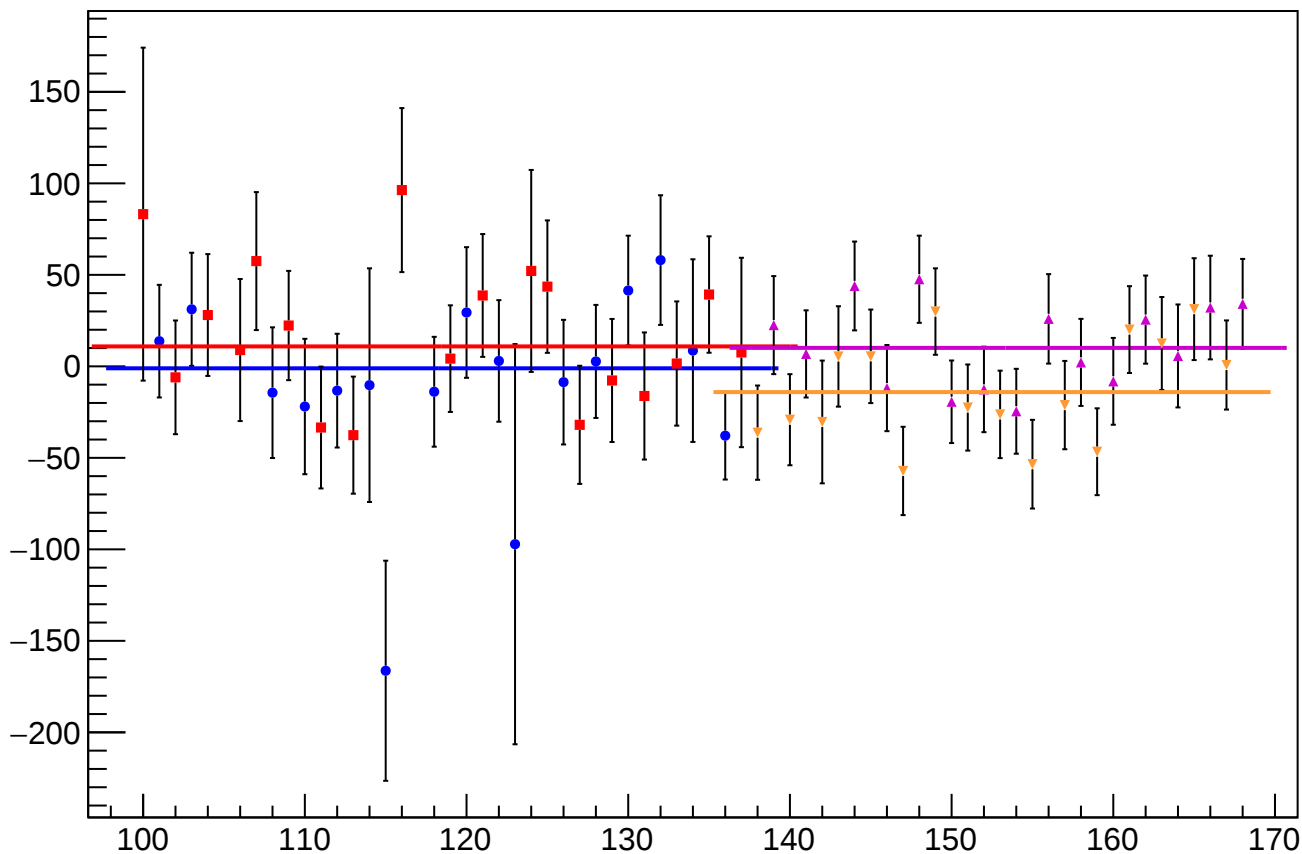
Left In: 15.282 $\pm$ 0.003 χ^2 /NDF: 43856.8/14

+ sign 15.759 $\pm$ 0.003 χ^2 /NDF: 182471.8/32

All: 15.755 $\pm$ 0.002 χ^2 /NDF: 333962.5/66

- sign 15.751 $\pm$ 0.003 χ^2 /NDF: 151485.9/33

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.068 $\pm$ 8.444 χ^2/NDF : 18.5/16

Left Out: -14.068 $\pm$ 6.270 χ^2/NDF : 20.3/15

Right Out: 10.900 $\pm$ 8.169 χ^2/NDF : 16.2/18

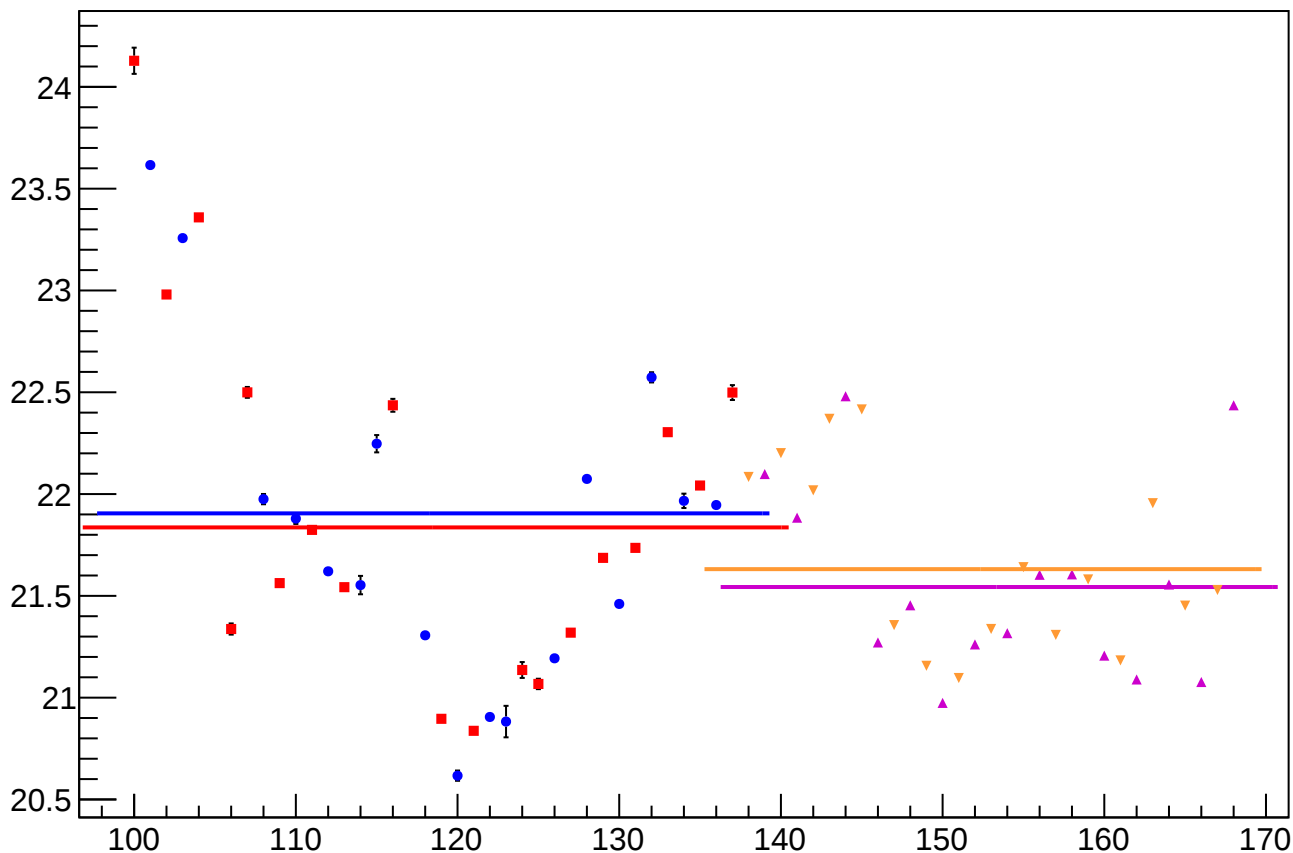
Left In: 10.093 $\pm$ 6.300 χ^2/NDF : 13.5/14

+ sign -9.449 $\pm$ 5.034 χ^2/NDF : 40.3/32

All: 0.562 $\pm$ 3.544 χ^2/NDF : 77.9/66

- sign 10.394 $\pm$ 4.989 χ^2/NDF : 29.8/33

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.905 $\pm$ 0.006 χ^2 /NDF: 17794.2/16

Left Out: 21.631 $\pm$ 0.004 χ^2 /NDF: 9195.5/15

Right Out: 21.836 $\pm$ 0.006 χ^2 /NDF: 16251.2/18

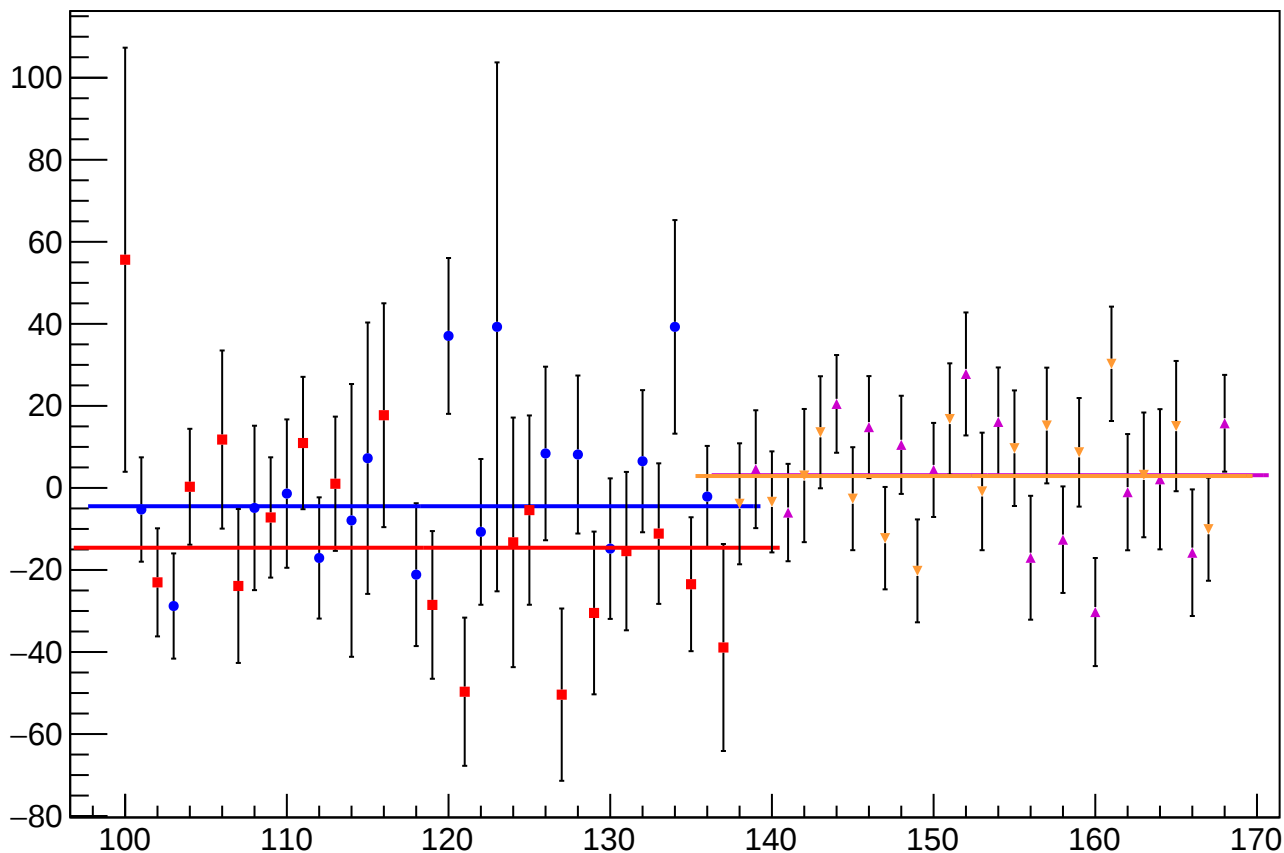
Left In: 21.543 $\pm$ 0.004 χ^2 /NDF: 10626.8/14

+ sign 21.729 $\pm$ 0.004 χ^2 /NDF: 28346.4/32

All: 21.690 $\pm$ 0.003 χ^2 /NDF: 57064.5/66

- sign 21.653 $\pm$ 0.004 χ^2 /NDF: 28488.4/33

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.461 ± 4.329 χ^2/NDF : 15.2/16

Left Out: 2.903 ± 3.424 χ^2/NDF : 13.9/15

Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

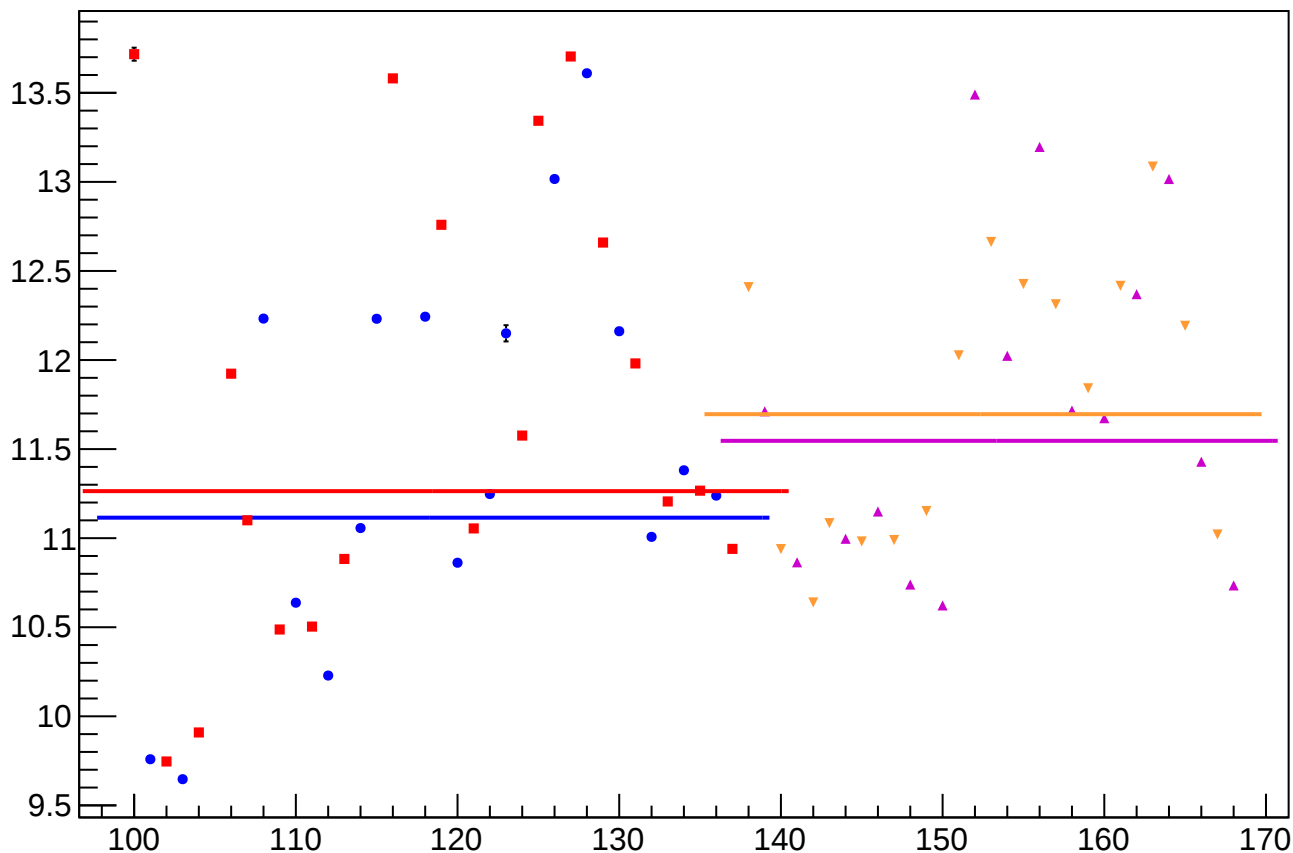
Left In: 3.102 ± 3.409 χ^2/NDF : 20.1/14

+ sign 0.069 ± 2.685 χ^2/NDF : 30.9/32

All: -1.879 ± 1.891 χ^2/NDF : 82.0/66

- sign -3.794 ± 2.663 χ^2/NDF : 50.1/33

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 $\pm$ 0.003 χ^2 /NDF: 133059.3/16

Left Out: 11.696 $\pm$ 0.002 χ^2 /NDF: 90872.0/15

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

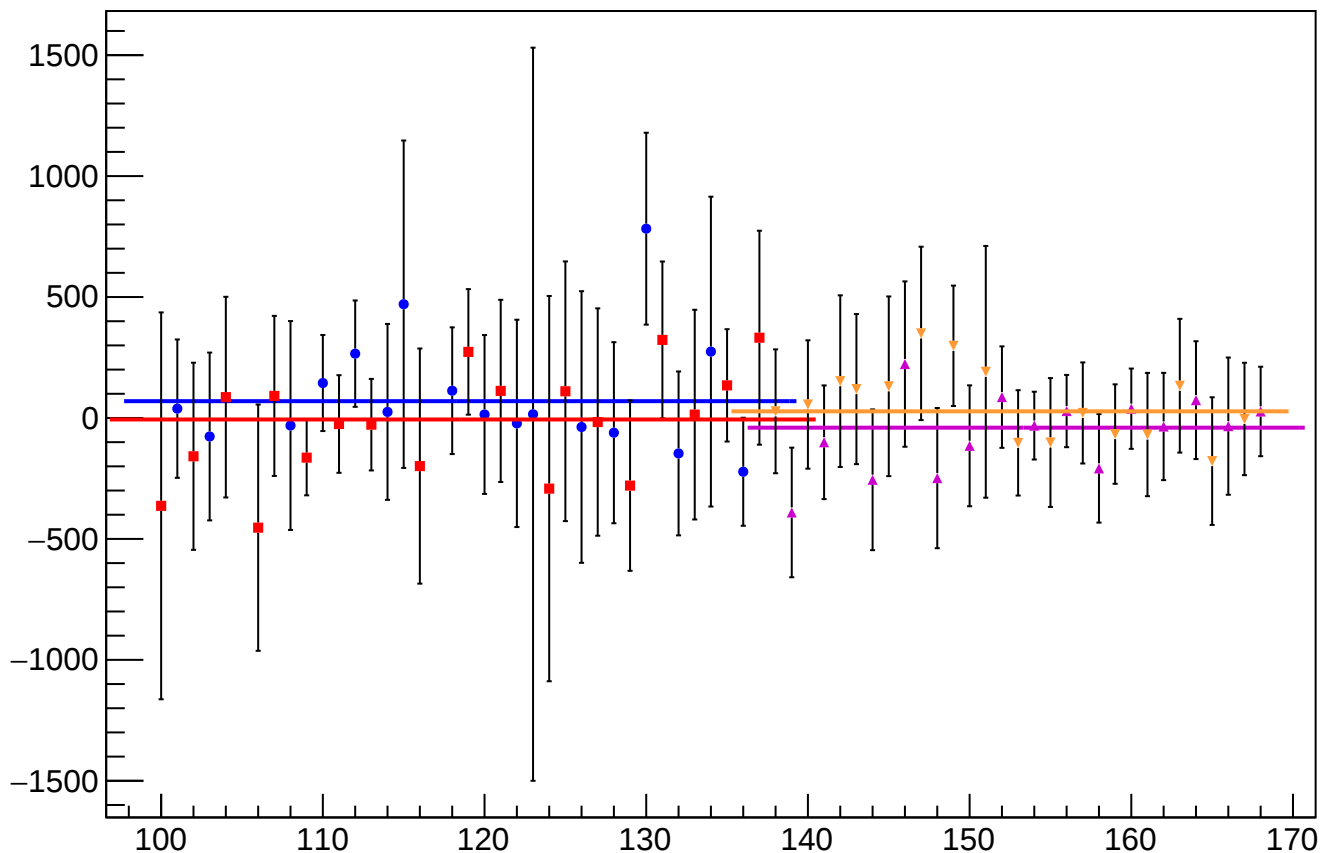
Left In: 11.546 $\pm$ 0.002 χ^2 /NDF: 126971.6/14

+ sign 11.472 $\pm$ 0.002 χ^2 /NDF: 246089.3/32

All: 11.454 $\pm$ 0.001 χ^2 /NDF: 526080.9/66

- sign 11.436 $\pm$ 0.002 χ^2 /NDF: 279809.2/33

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470+/-79.231 χ^2/NDF : 7.3/16

Left Out: 27.483+/-66.550 χ^2/NDF : 4.1/15

Right Out: -6.194+/-70.182 χ^2/NDF : 6.5/18

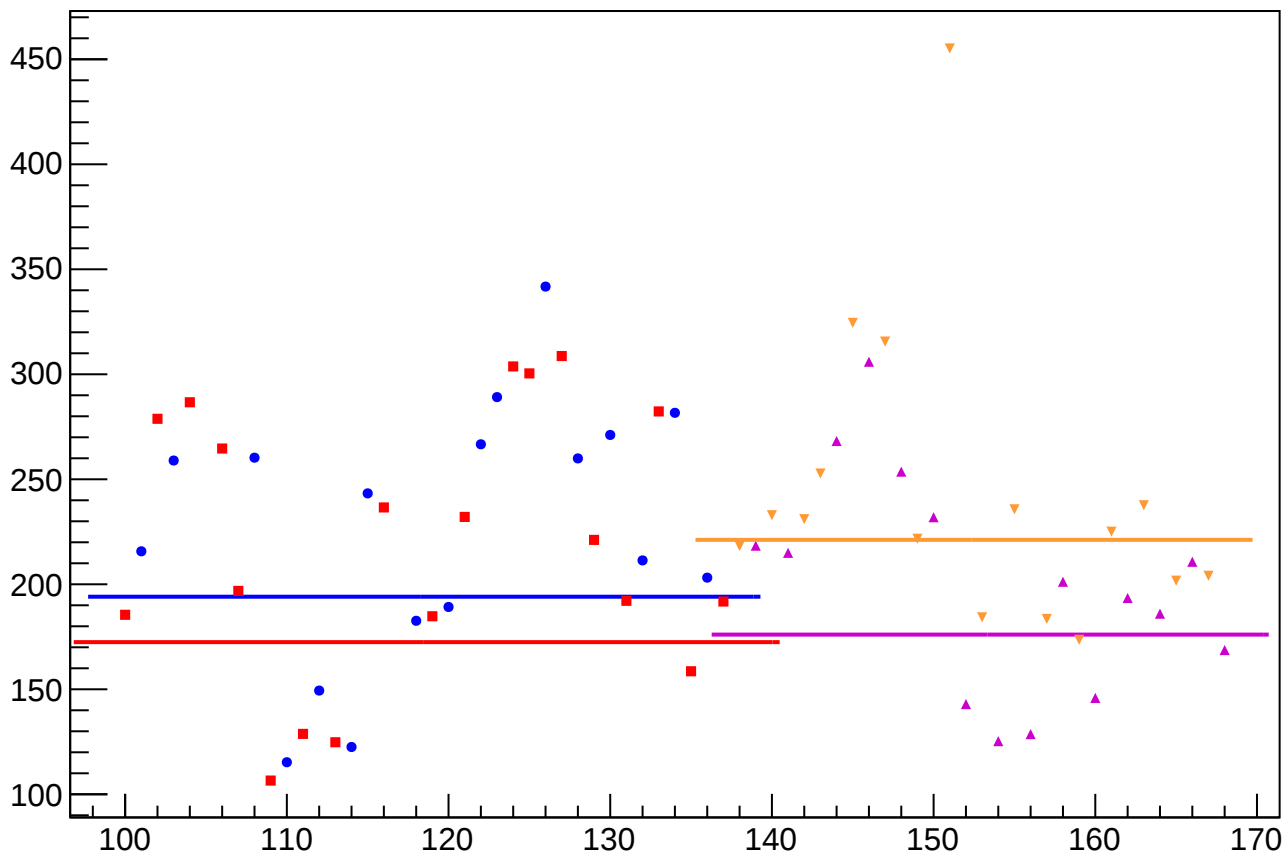
Left In: -40.131+/-54.734 χ^2/NDF : 5.2/14

+ sign 44.852+/-50.959 χ^2/NDF : 11.5/32

All: 2.840+/-32.935 χ^2/NDF : 24.6/66

- sign -27.296+/-43.160 χ^2/NDF : 11.9/33

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.082 $\pm$ 0.056 χ^2 /NDF: 1005395.7/16

Left Out: 221.166 $\pm$ 0.047 χ^2 /NDF:989312.3/15

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

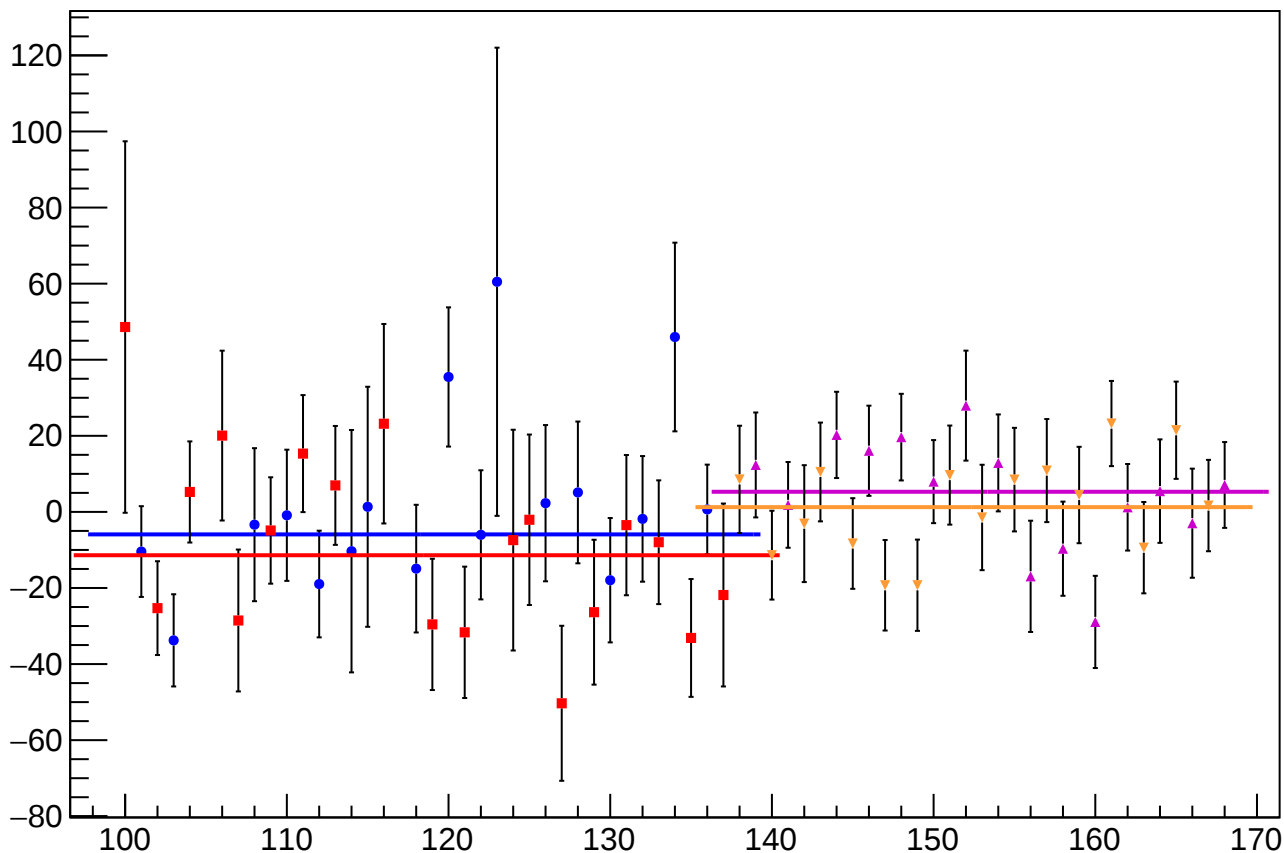
Left In: 176.043 $\pm$ 0.039 χ^2 /NDF:1491138.8/14

+ sign 209.962 $\pm$ 0.036 χ^2 /NDF: 2131740.4/32

All: 189.420 $\pm$ 0.023 χ^2 /NDF: 5753717.6/66

- sign 174.685 $\pm$ 0.031 χ^2 /NDF: 3063857.8/33

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.912 ± 4.133 χ^2/NDF : 18.8/16

Left Out: 1.252 ± 3.166 χ^2/NDF : 17.0/15

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

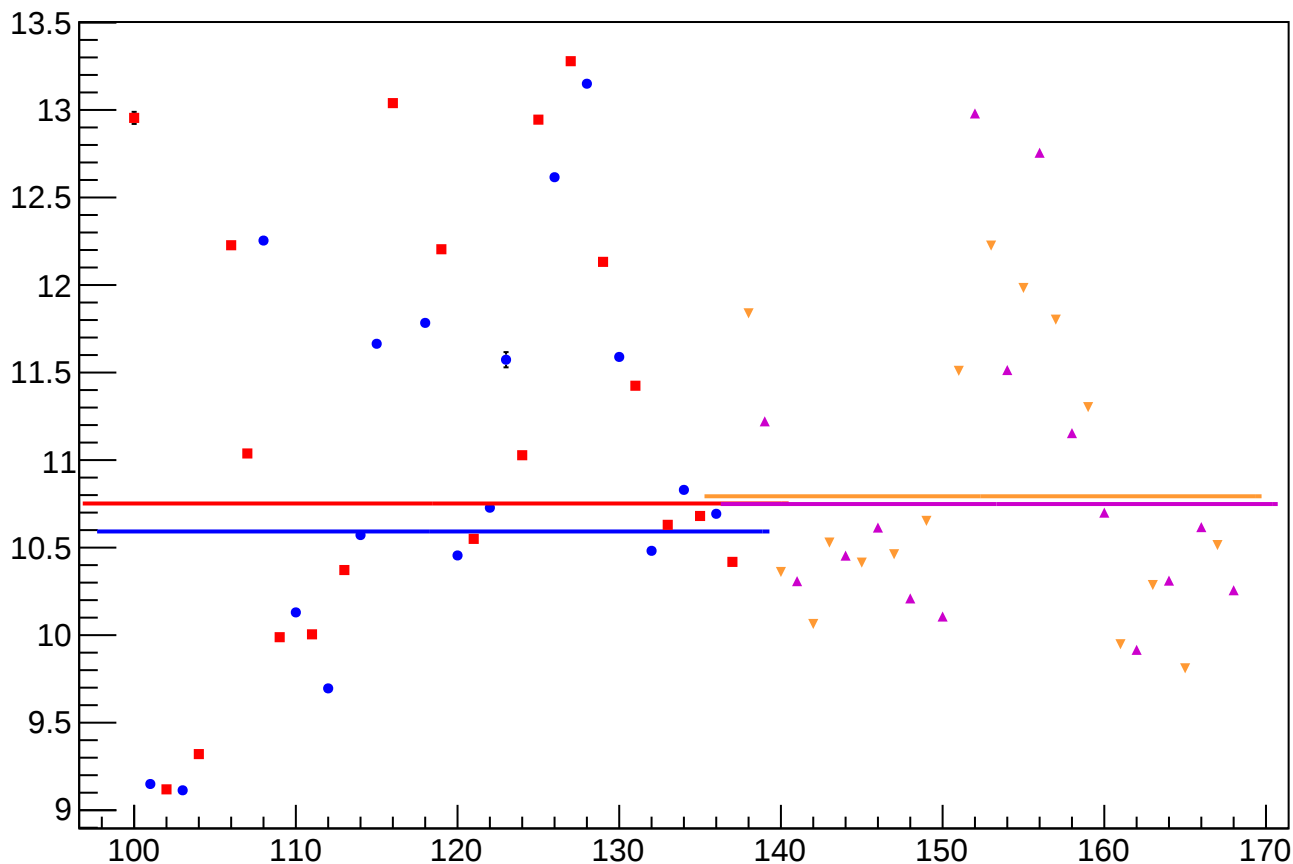
Left In: 5.291 ± 3.179 χ^2/NDF : 19.6/14

+ sign -1.398 ± 2.514 χ^2/NDF : 37.8/32

All: -1.205 ± 1.775 χ^2/NDF : 90.7/66

- sign -1.014 ± 2.507 χ^2/NDF : 52.9/33

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 $\pm$ 0.003 χ^2/NDF : 160397.9/16

Left Out: 10.793 $\pm$ 0.002 χ^2/NDF :107786.2/15

Right Out: 10.752 $\pm$ 0.003 χ^2/NDF : 176895.3/18

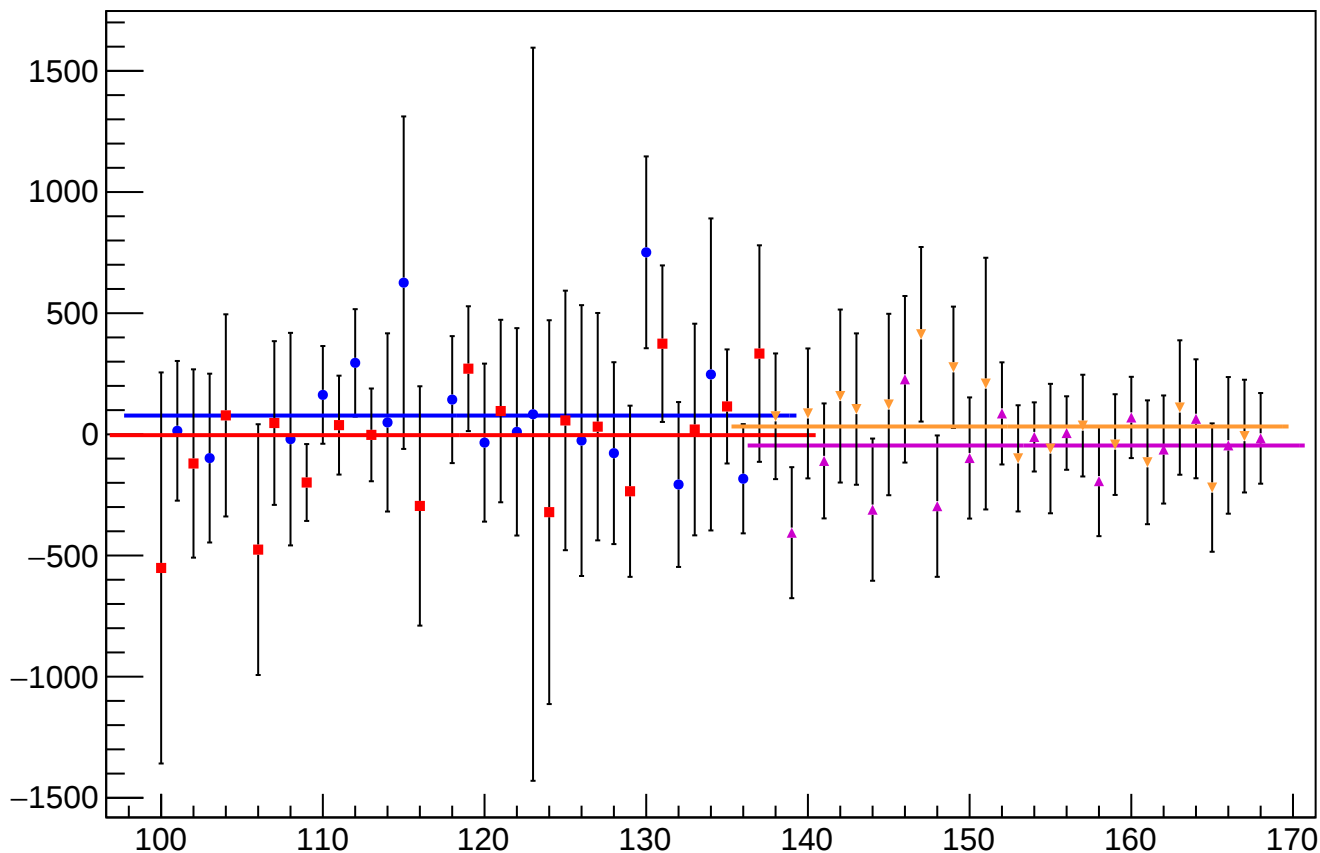
Left In: 10.749 $\pm$ 0.002 χ^2/NDF :129896.6/14

+ sign 10.719 $\pm$ 0.002 χ^2/NDF : 271164.7/32

All: 10.735 $\pm$ 0.001 χ^2/NDF : 578111.6/66

- sign 10.750 $\pm$ 0.002 χ^2/NDF : 306792.7/33

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 77.589 $\pm$ 79.751 χ^2/NDF : 7.6/16

Left Out: 32.441 $\pm$ 66.953 χ^2/NDF : 4.4/15

Right Out: -3.305 $\pm$ 70.855 χ^2/NDF : 7.4/18

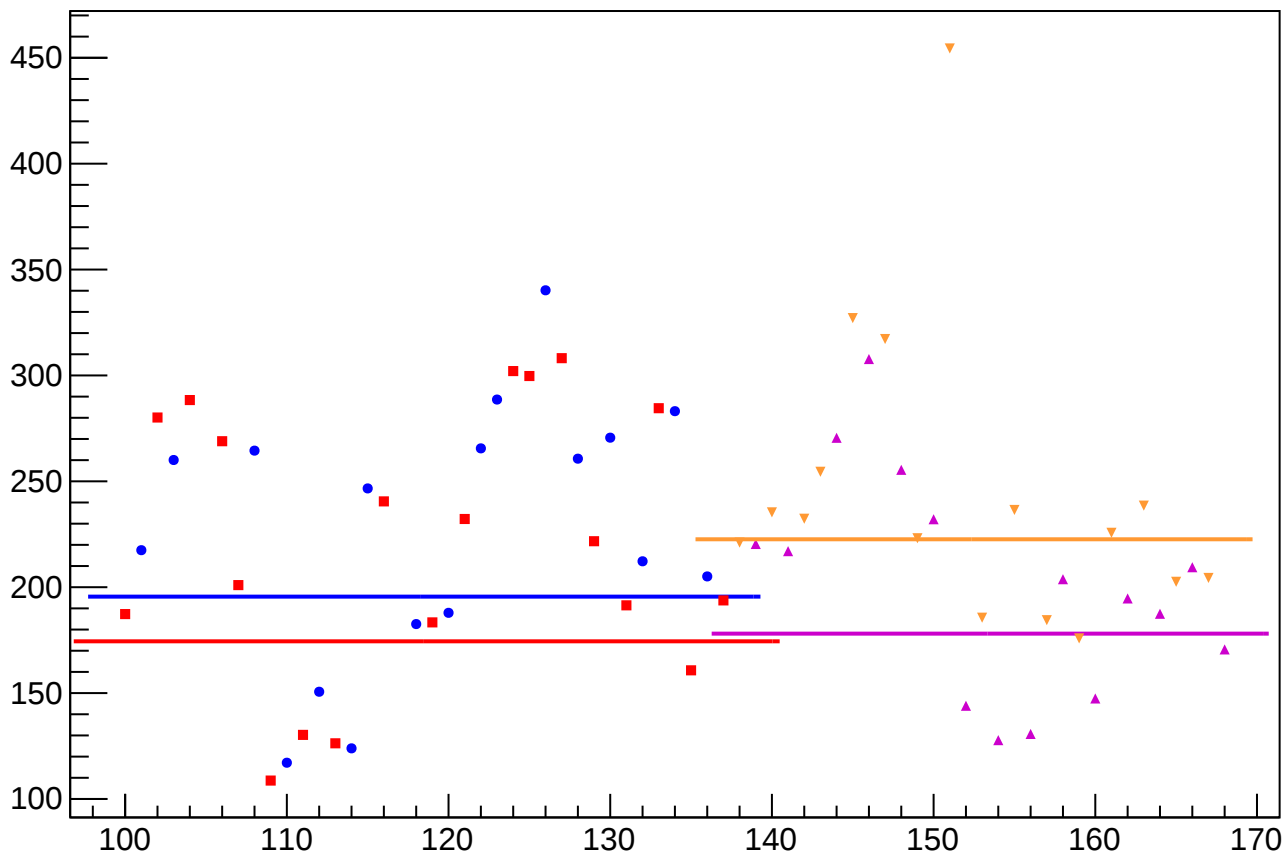
Left In: -46.028 $\pm$ 55.288 χ^2/NDF : 5.8/14

+ sign 51.107 $\pm$ 51.278 χ^2/NDF : 12.2/32

All: 4.103 $\pm$ 33.211 χ^2/NDF : 27.0/66

- sign -29.860 $\pm$ 43.588 χ^2/NDF : 13.3/33

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.551 $\pm$ 0.056 χ^2 /NDF: 979937.7/16

Left Out: 222.630 $\pm$ 0.047 χ^2 /NDF: 979519.5/15

Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

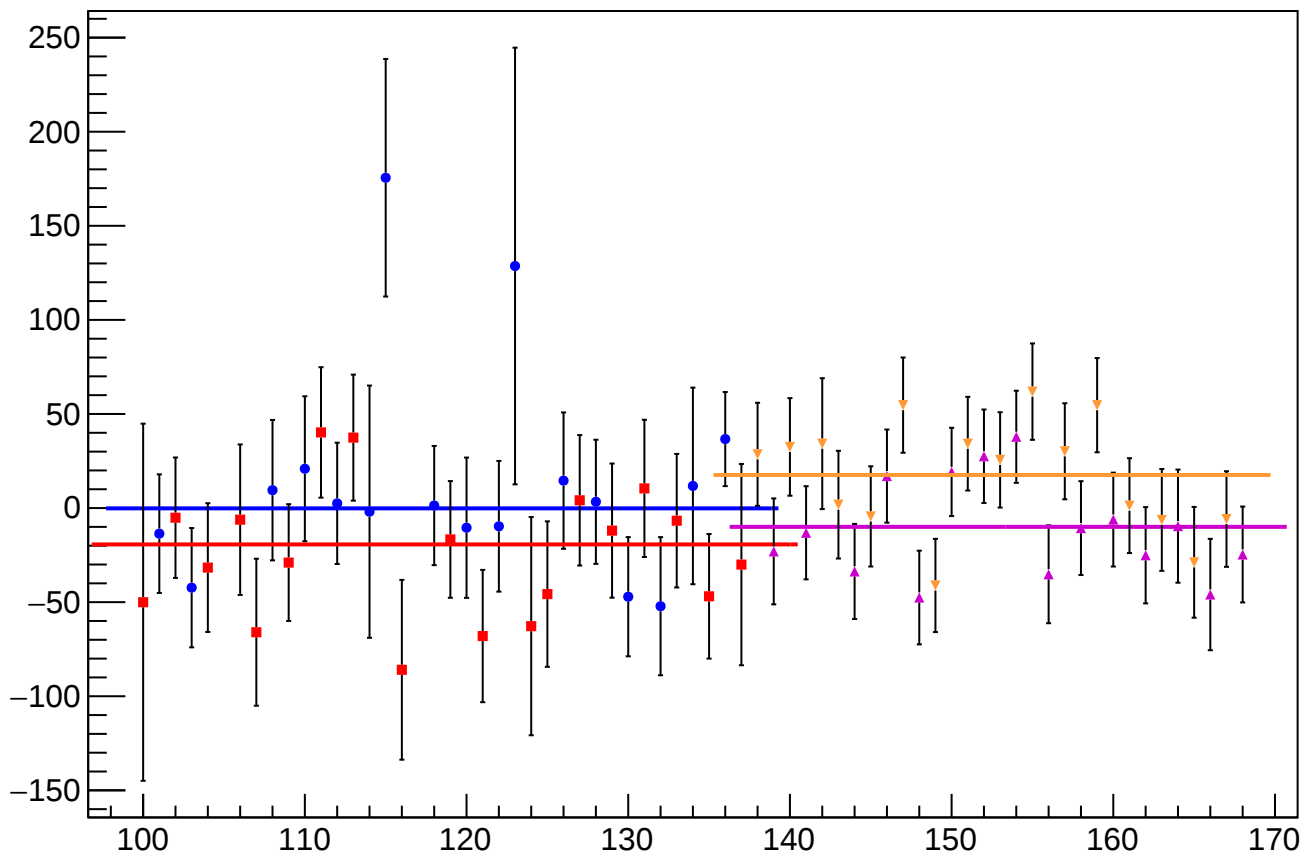
Left In: 178.075 $\pm$ 0.039 χ^2 /NDF: 1450096.3/14

+ sign 211.435 $\pm$ 0.036 χ^2 /NDF: 2094711.3/32

All: 191.272 $\pm$ 0.023 χ^2 /NDF: 5609349.9/66

- sign 176.703 $\pm$ 0.031 χ^2 /NDF: 2981981.0/33

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158 ± 8.826 χ^2/NDF : 18.1/16

Left Out: 17.579 ± 6.602 χ^2/NDF : 20.0/15

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

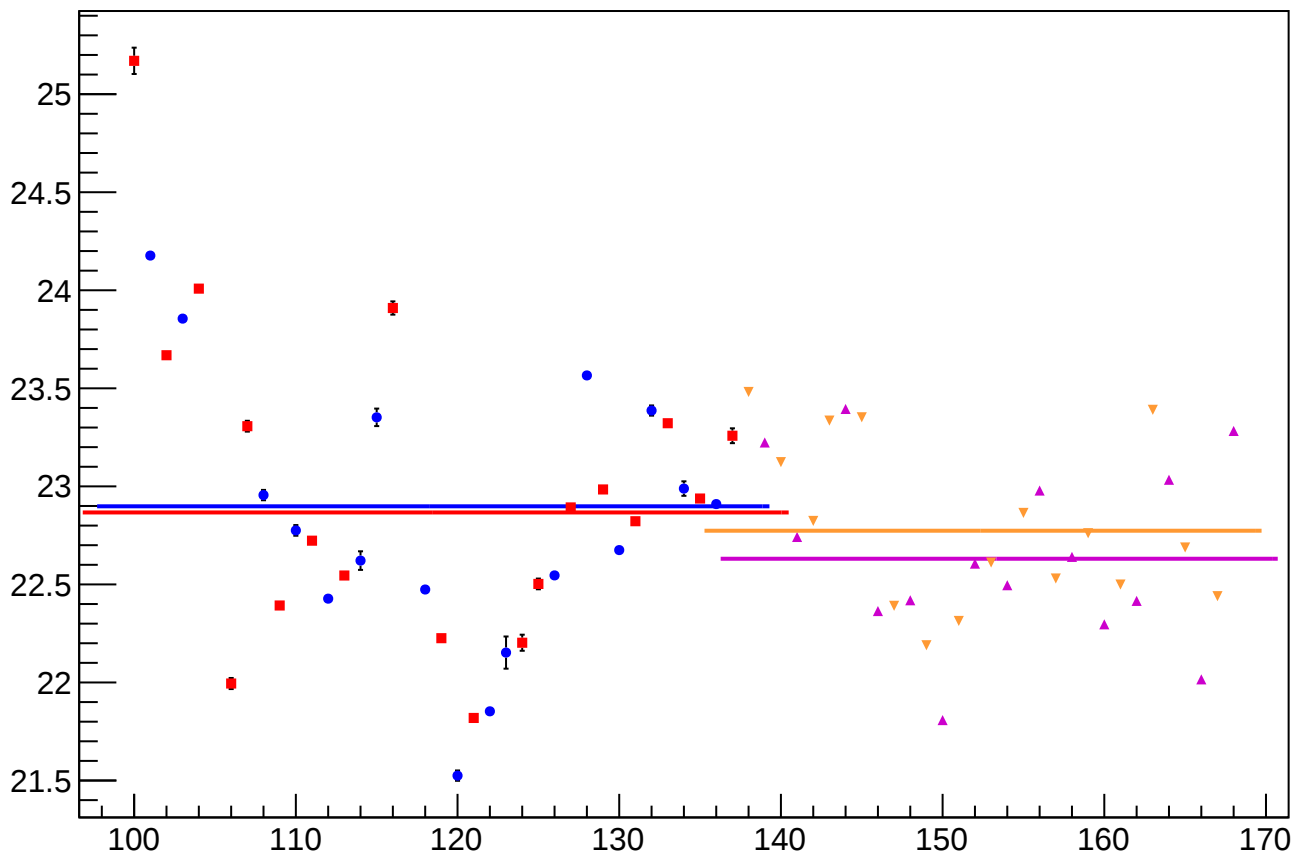
Left In: -9.981 ± 6.619 χ^2/NDF : 15.3/14

+ sign 11.216 ± 5.287 χ^2/NDF : 40.6/32

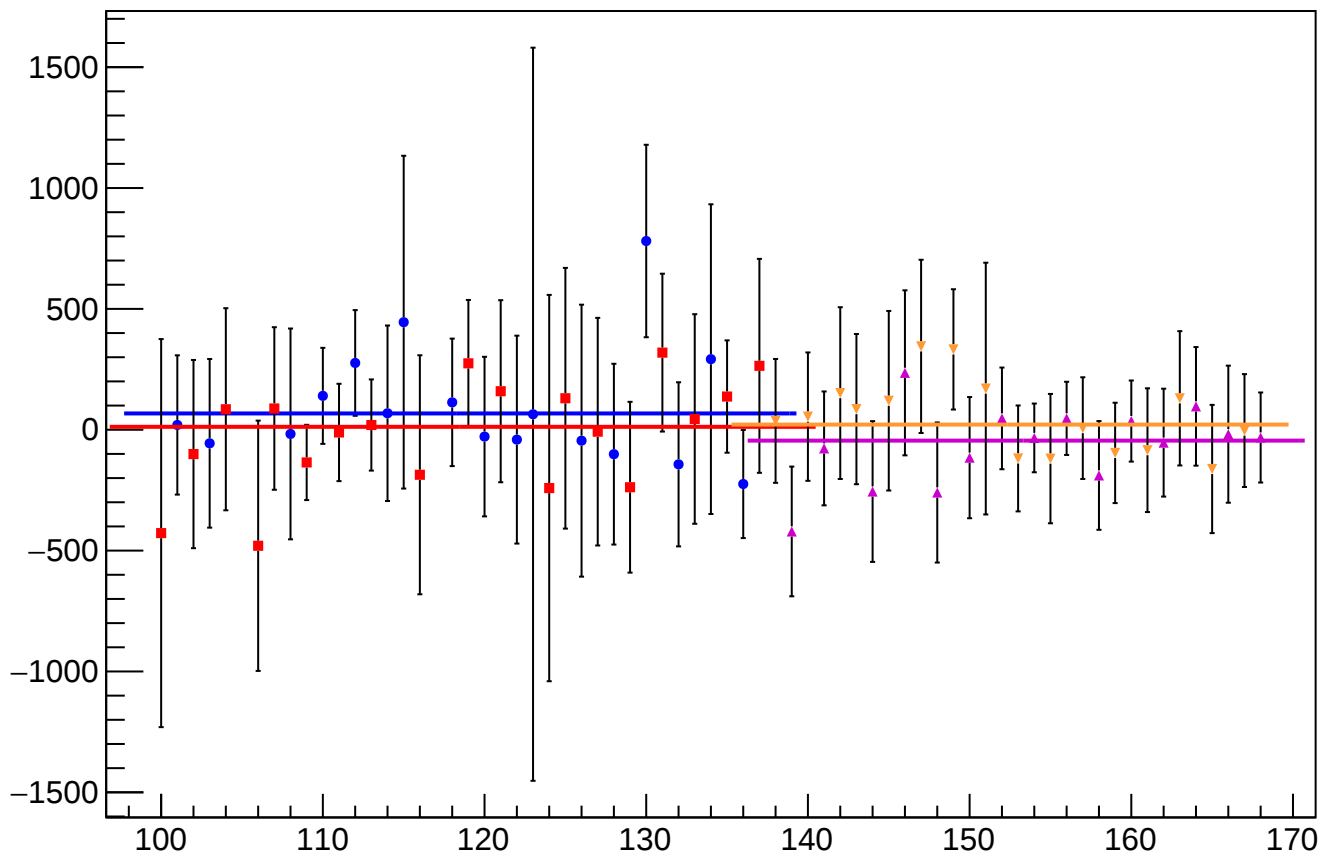
All: -1.252 ± 3.720 χ^2/NDF : 82.6/66

- sign -13.477 ± 5.235 χ^2/NDF : 30.9/33

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.449 $\pm$ 79.404 χ^2 /NDF: 7.4/16

Left Out: 21.352 $\pm$ 66.825 χ^2 /NDF: 4.6/15

Right Out: 12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

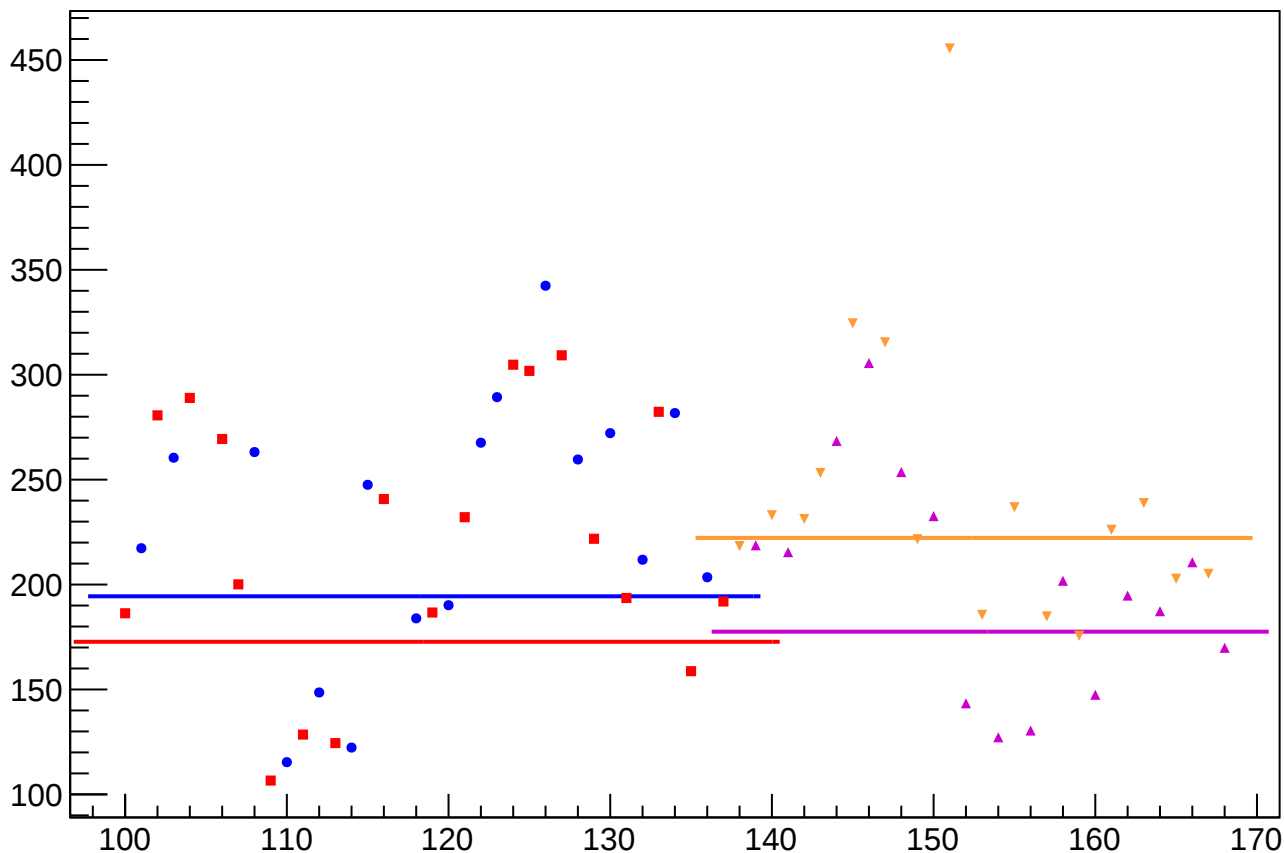
Left In: -44.944 $\pm$ 55.124 χ^2 /NDF: 5.4/14

+ sign 40.464 $\pm$ 51.128 χ^2 /NDF: 12.1/32

All: 3.433 $\pm$ 33.083 χ^2 /NDF: 24.6/66

- sign -23.239 $\pm$ 43.392 χ^2 /NDF: 11.5/33

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411 $\pm$ 0.056 χ^2 /NDF: 1019913.2/16

Left Out: 222.230 $\pm$ 0.047 χ^2 /NDF: 968581.1/15

Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

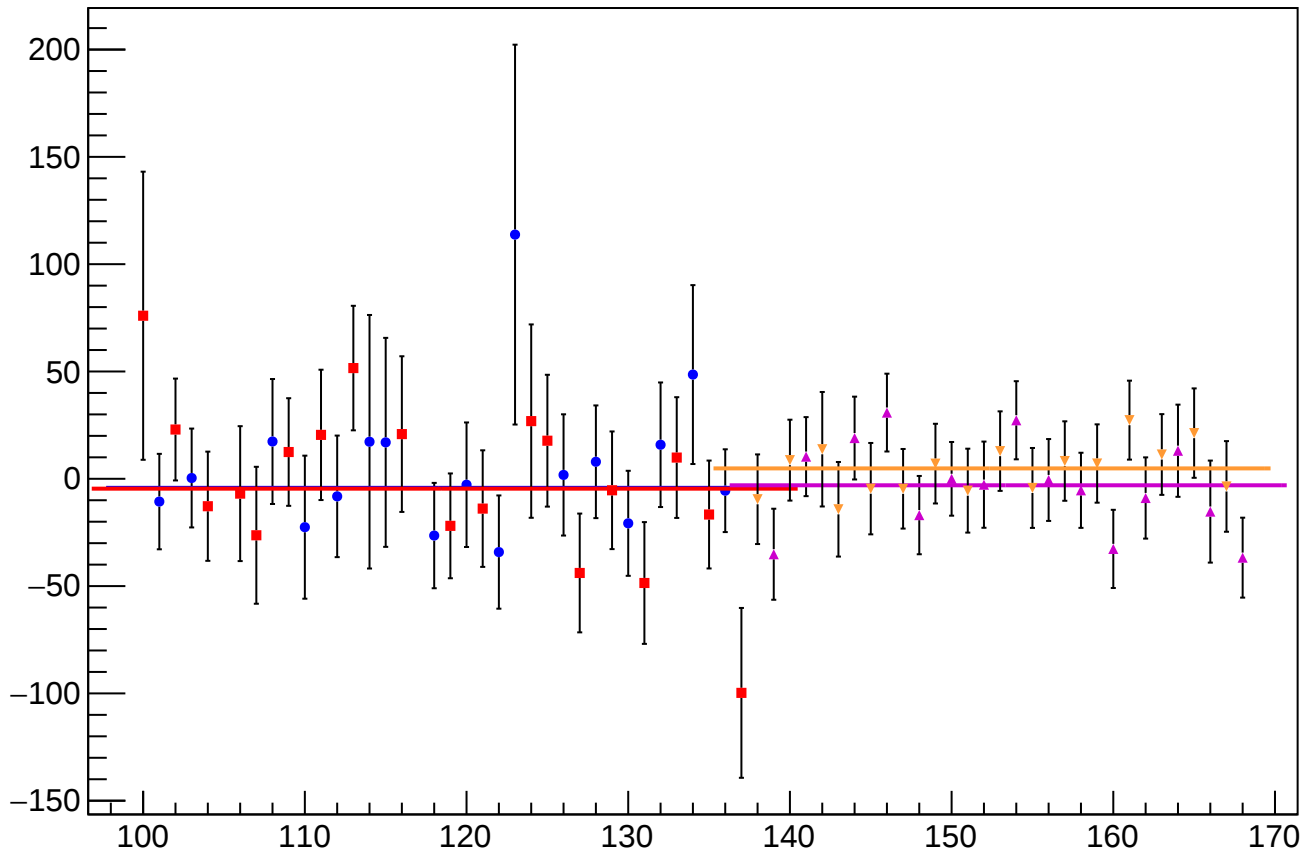
Left In: 177.546 $\pm$ 0.039 χ^2 /NDF: 1439745.5/14

+ sign 210.696 $\pm$ 0.036 χ^2 /NDF: 2132204.1/32

All: 190.361 $\pm$ 0.023 χ^2 /NDF: 5718752.4/66

- sign 175.714 $\pm$ 0.031 χ^2 /NDF: 3042310.7/33

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 ± 6.871 χ^2/NDF : 8.0/16

Left Out: 4.839 ± 4.924 χ^2/NDF : 5.0/15

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

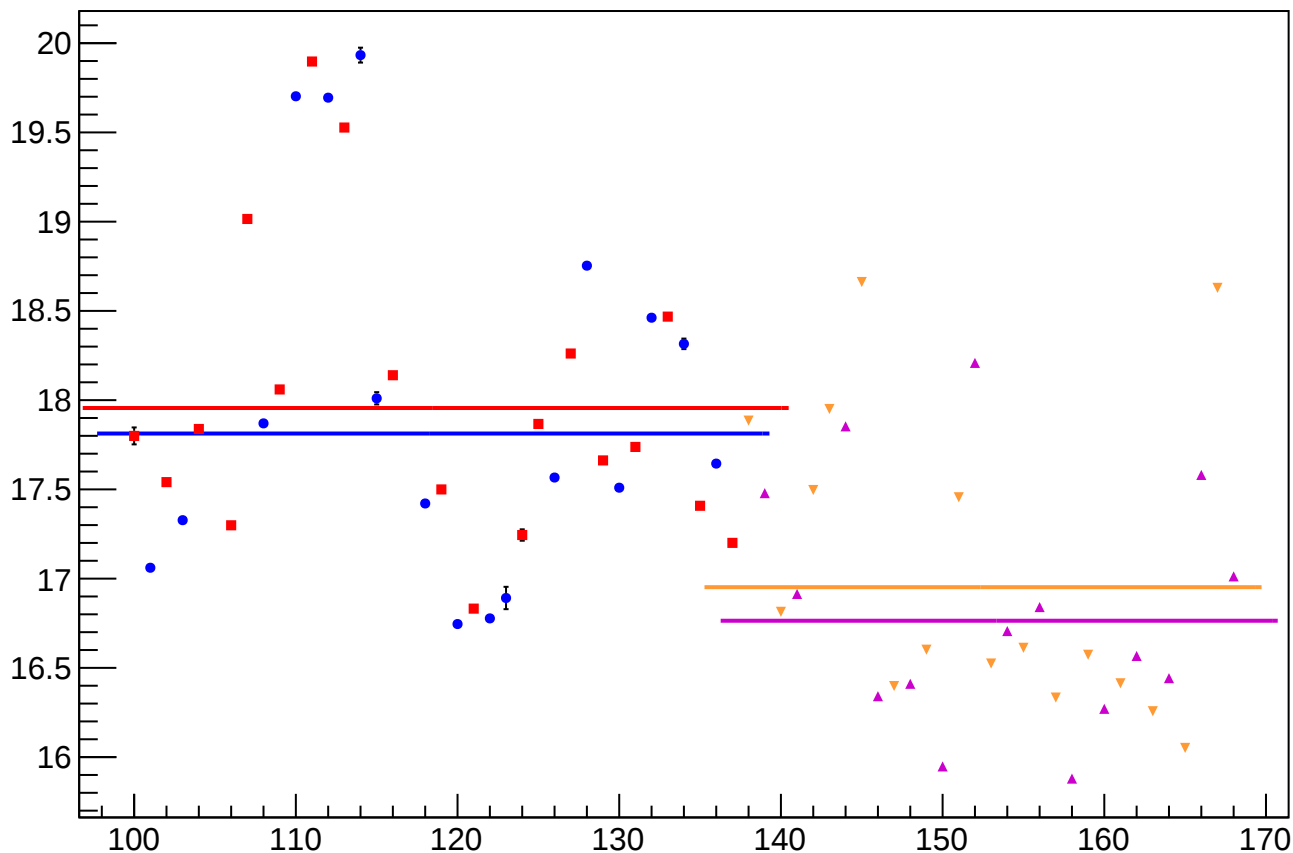
Left In: -3.027 ± 4.913 χ^2/NDF : 17.9/14

+ sign 1.765 ± 4.002 χ^2/NDF : 14.2/32

All: -0.928 ± 2.818 χ^2/NDF : 54.1/66

- sign -3.574 ± 3.967 χ^2/NDF : 39.0/33

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.813 ± 0.005 χ^2/NDF : 32034.8/16

Left Out: 16.952 ± 0.003 χ^2/NDF : 51378.7/15

Right Out: 17.956 ± 0.005 χ^2/NDF : 25445.3/18

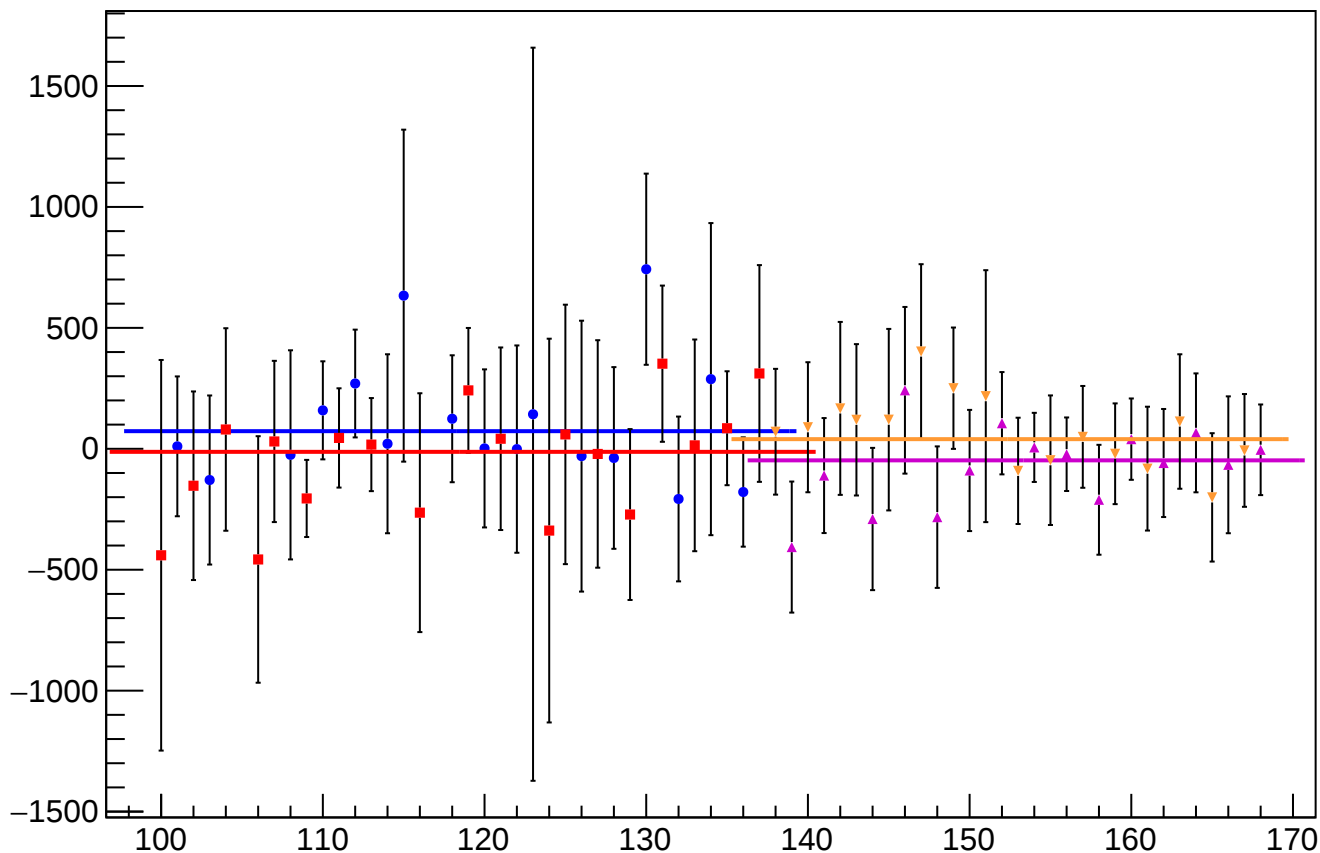
Left In: 16.764 ± 0.003 χ^2/NDF : 35497.4/14

+ sign 17.244 ± 0.003 χ^2/NDF : 104156.3/32

All: 17.211 ± 0.002 χ^2/NDF : 206328.2/66

- sign 17.179 ± 0.003 χ^2/NDF : 101902.9/33

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888 ± 79.948 χ^2/NDF : 7.2/16

Left Out: 39.884 ± 67.103 χ^2/NDF : 3.8/15

Right Out: -12.565 ± 71.013 χ^2/NDF : 6.7/18

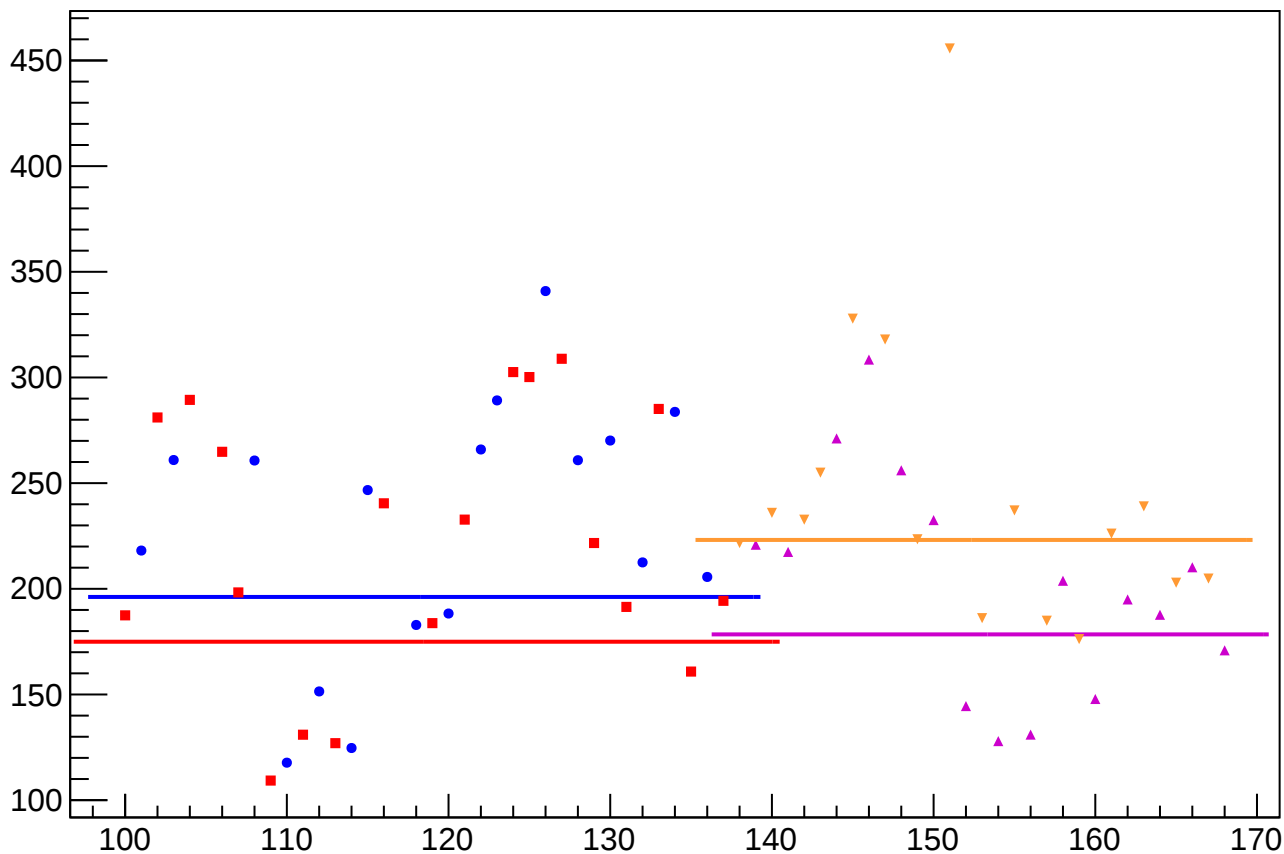
Left In: -47.781 ± 55.400 χ^2/NDF : 5.6/14

+ sign 53.525 ± 51.398 χ^2/NDF : 11.1/32

All: 2.439 ± 33.284 χ^2/NDF : 25.4/66

- sign -34.457 ± 43.680 χ^2/NDF : 12.5/33

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151+/-0.057 χ^2/NDF : 964998.4/16

Left Out: 223.128+/-0.047 χ^2/NDF : 979546.1/15

Right Out: 174.965+/-0.050 χ^2/NDF : 1510956.5/18

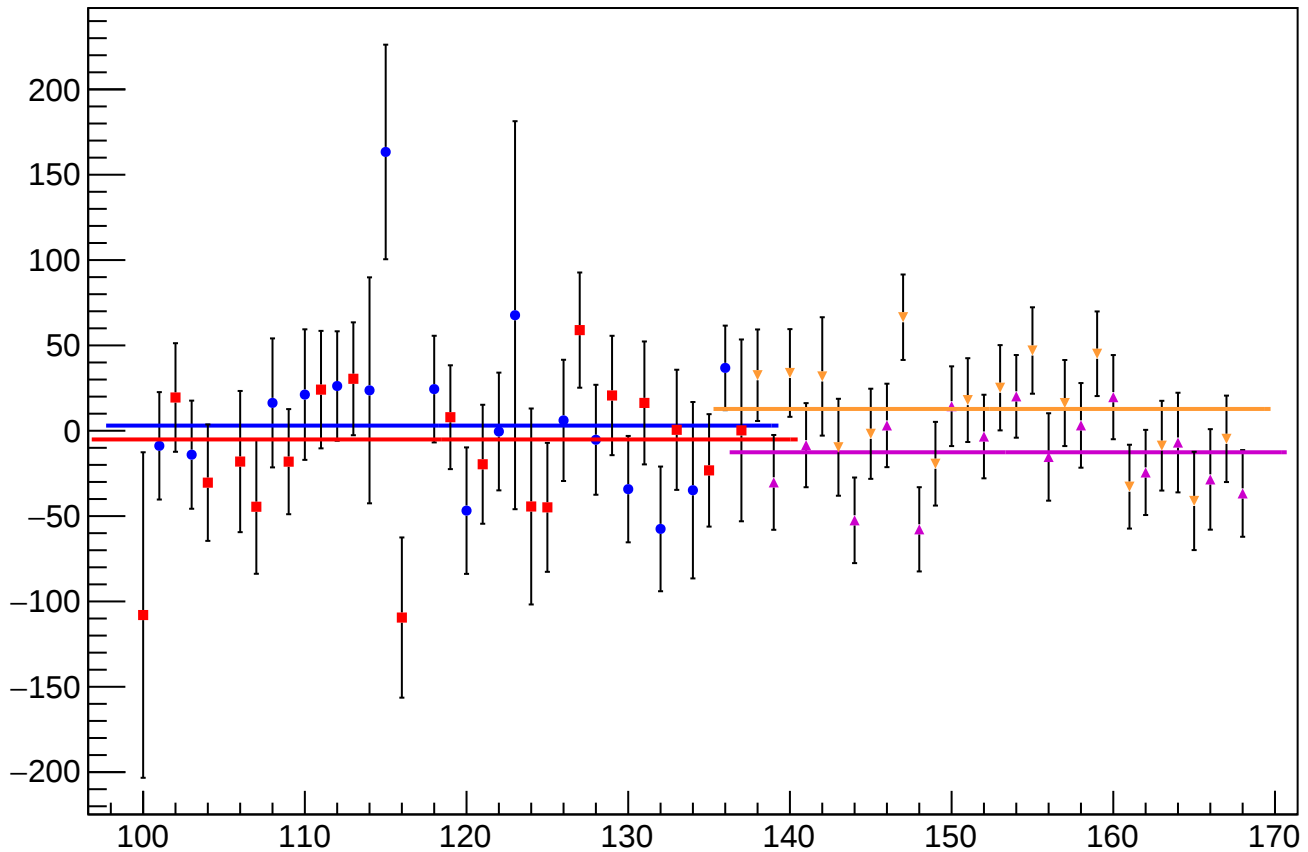
Left In: 178.435+/-0.039 χ^2/NDF : 1449830.7/14

+ sign 211.978+/-0.036 χ^2/NDF : 2078143.6/32

All: 191.739+/-0.024 χ^2/NDF : 5575970.2/66

- sign 177.122+/-0.031 χ^2/NDF : 2963756.3/33

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 ± 8.751 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 12.775 ± 6.514 $\chi^2/\text{NDF}: 20.7/15$

Right Out: -5.092 ± 8.477 $\chi^2/\text{NDF}: 17.2/18$

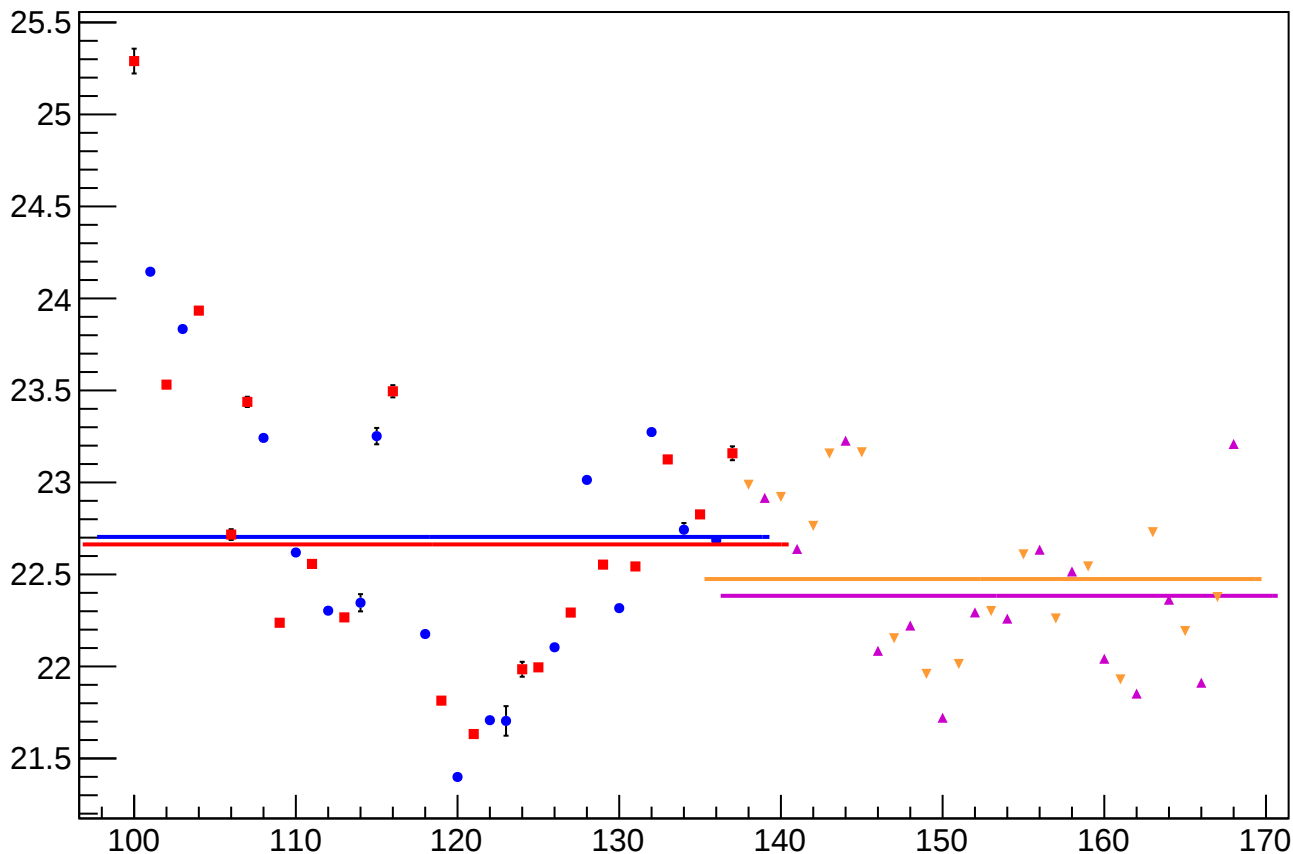
Left In: -12.608 ± 6.546 $\chi^2/\text{NDF}: 13.6/14$

+ sign 9.297 ± 5.226 $\chi^2/\text{NDF}: 38.7/32$

All: -0.333 ± 3.679 $\chi^2/\text{NDF}: 76.7/66$

- sign -9.800 ± 5.181 $\chi^2/\text{NDF}: 31.3/33$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704 $\pm$ 0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.475 $\pm$ 0.005 χ^2 /NDF: 7617.7/15

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

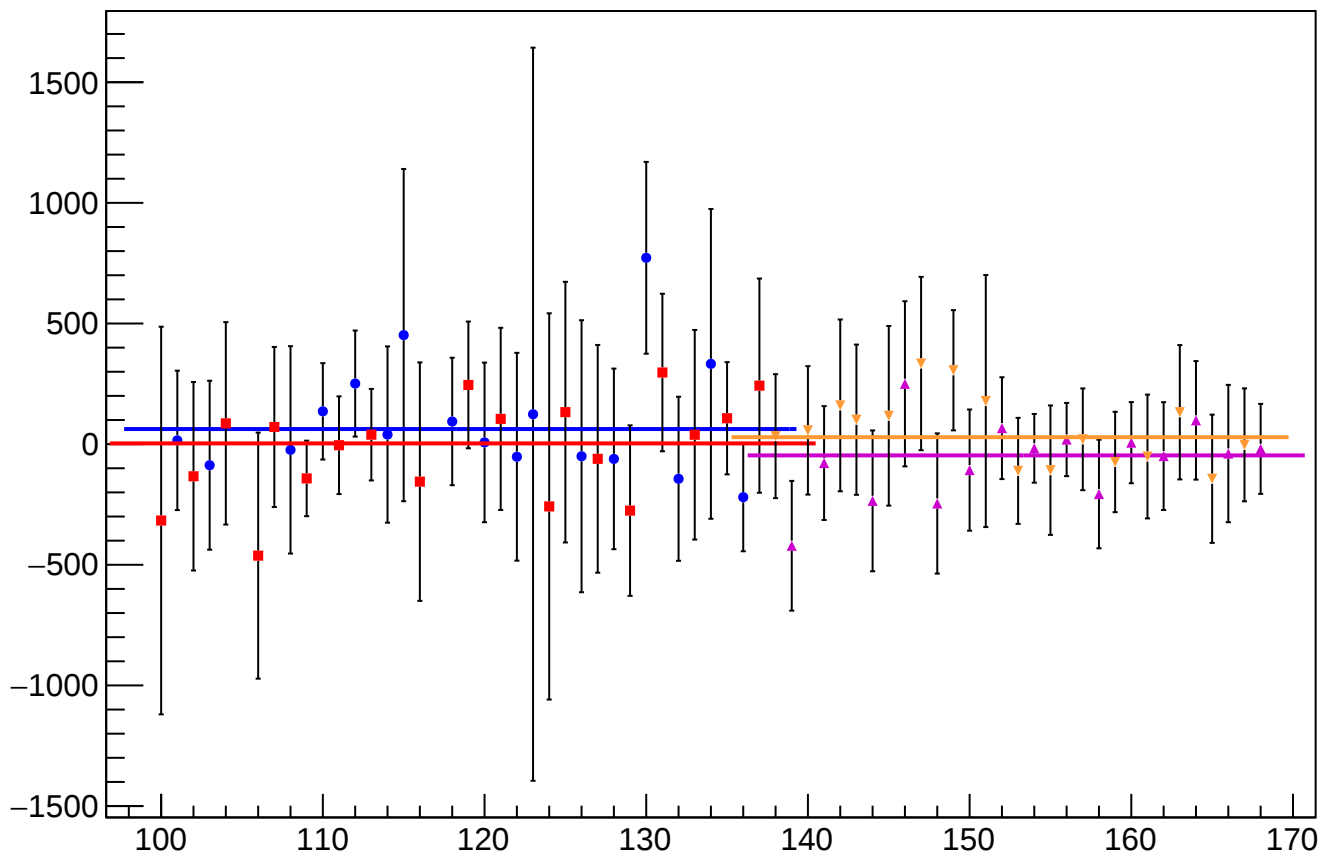
Left In: 22.384 $\pm$ 0.005 χ^2 /NDF: 9449.3/14

+ sign 22.557 $\pm$ 0.004 χ^2 /NDF: 22603.4/32

All: 22.522 $\pm$ 0.003 χ^2 /NDF: 46528.9/66

- sign 22.488 $\pm$ 0.004 χ^2 /NDF: 23752.5/33

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573 $\pm$ 79.605 χ^2 /NDF: 7.0/16

Left Out: 28.880 $\pm$ 66.975 χ^2 /NDF: 3.9/15

Right Out: 3.038 $\pm$ 70.518 χ^2 /NDF: 5.2/18

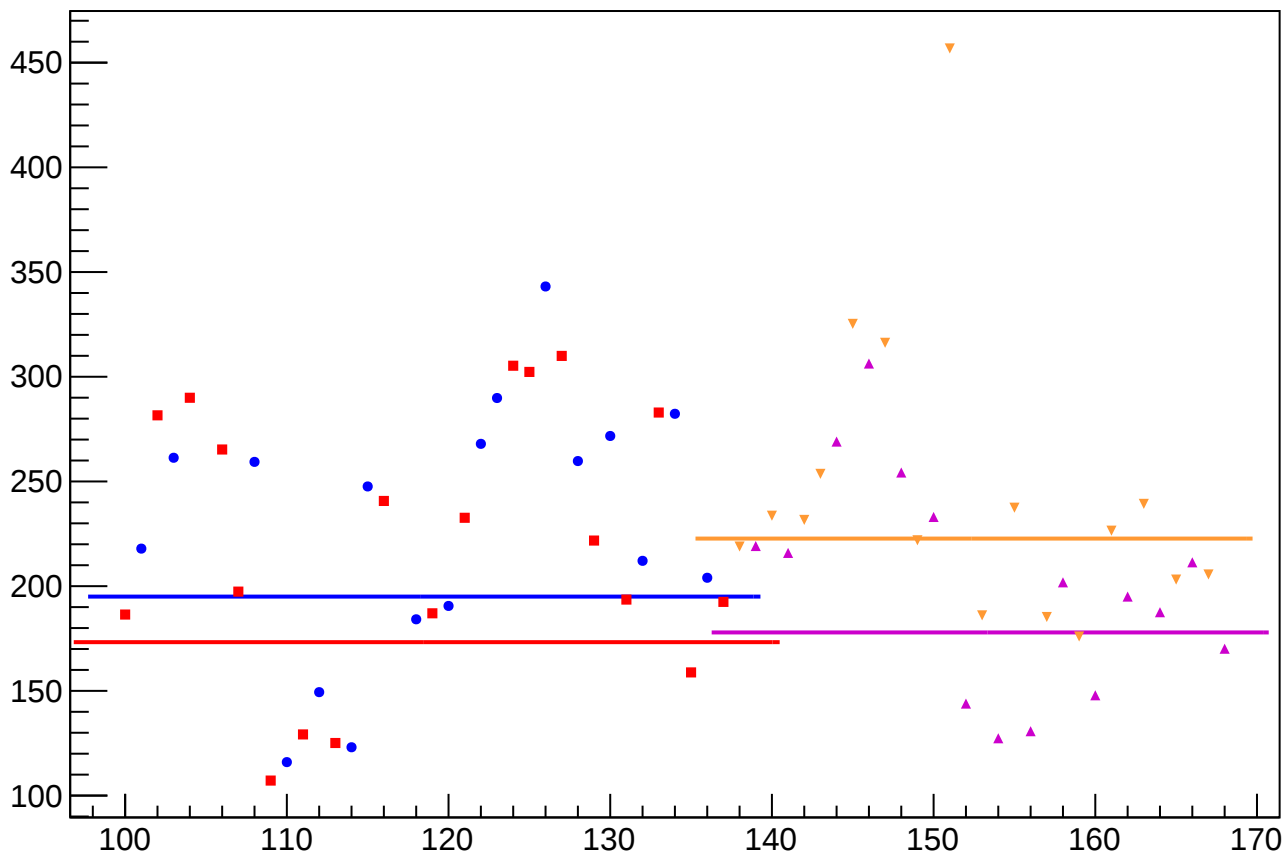
Left In: -46.628 $\pm$ 55.236 χ^2 /NDF: 5.1/14

+ sign 42.845 $\pm$ 51.249 χ^2 /NDF: 11.0/32

All: 1.804 $\pm$ 33.157 χ^2 /NDF: 22.8/66

- sign -27.743 $\pm$ 43.484 χ^2 /NDF: 10.7/33

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.022+/-0.056 χ^2/NDF : 1004284.9/16

Left Out: 222.727+/-0.047 χ^2/NDF : 968625.1/15

Right Out: 173.262+/-0.050 χ^2/NDF : 1578202.7/18

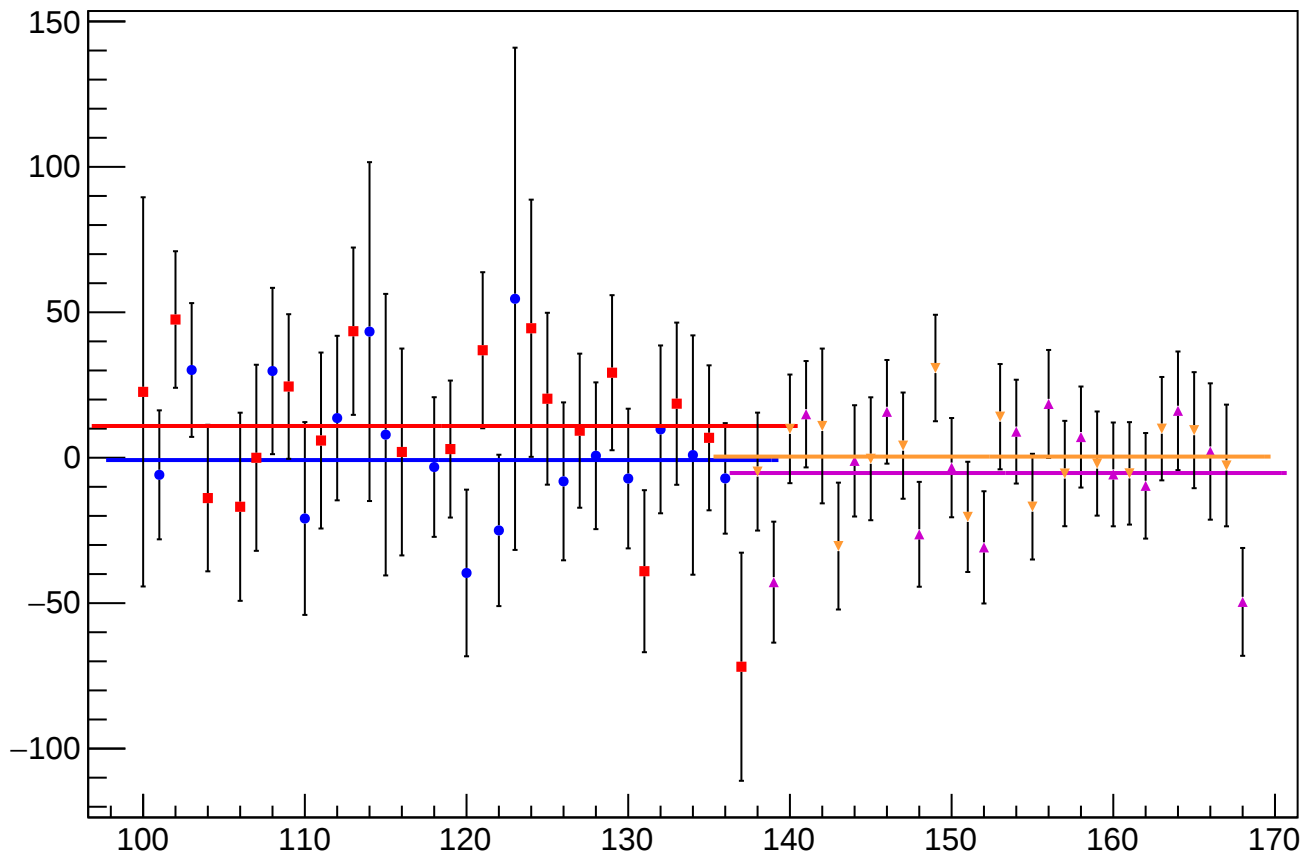
Left In: 177.904+/-0.039 χ^2/NDF : 1439572.7/14

+ sign 211.244+/-0.036 χ^2/NDF : 2114753.7/32

All: 190.833+/-0.023 χ^2/NDF : 5683512.7/66

- sign 176.139+/-0.031 χ^2/NDF : 3023148.0/33

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 ± 6.770 χ^2/NDF : 7.8/16

Left Out: 0.390 ± 4.808 χ^2/NDF : 8.7/15

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

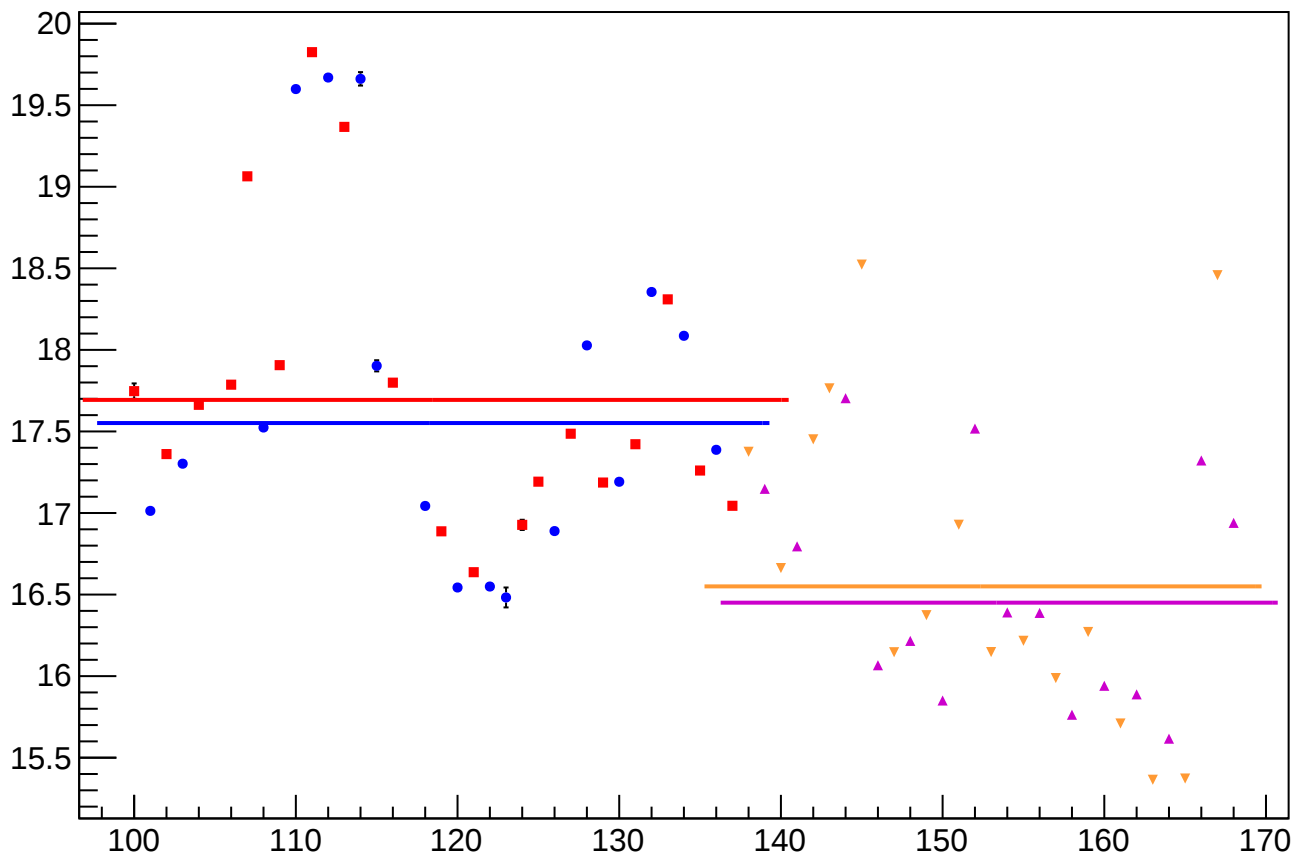
Left In: -5.257 ± 4.819 χ^2/NDF : 18.8/14

+ sign -0.010 ± 3.920 χ^2/NDF : 16.5/32

All: 0.165 ± 2.764 χ^2/NDF : 55.1/66

- sign 0.337 ± 3.898 χ^2/NDF : 38.6/33

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 $\pm$ 0.005 χ^2 /NDF: 34027.1/16

Left Out: 16.550 $\pm$ 0.003 χ^2 /NDF: 72397.7/15

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30742.0/18

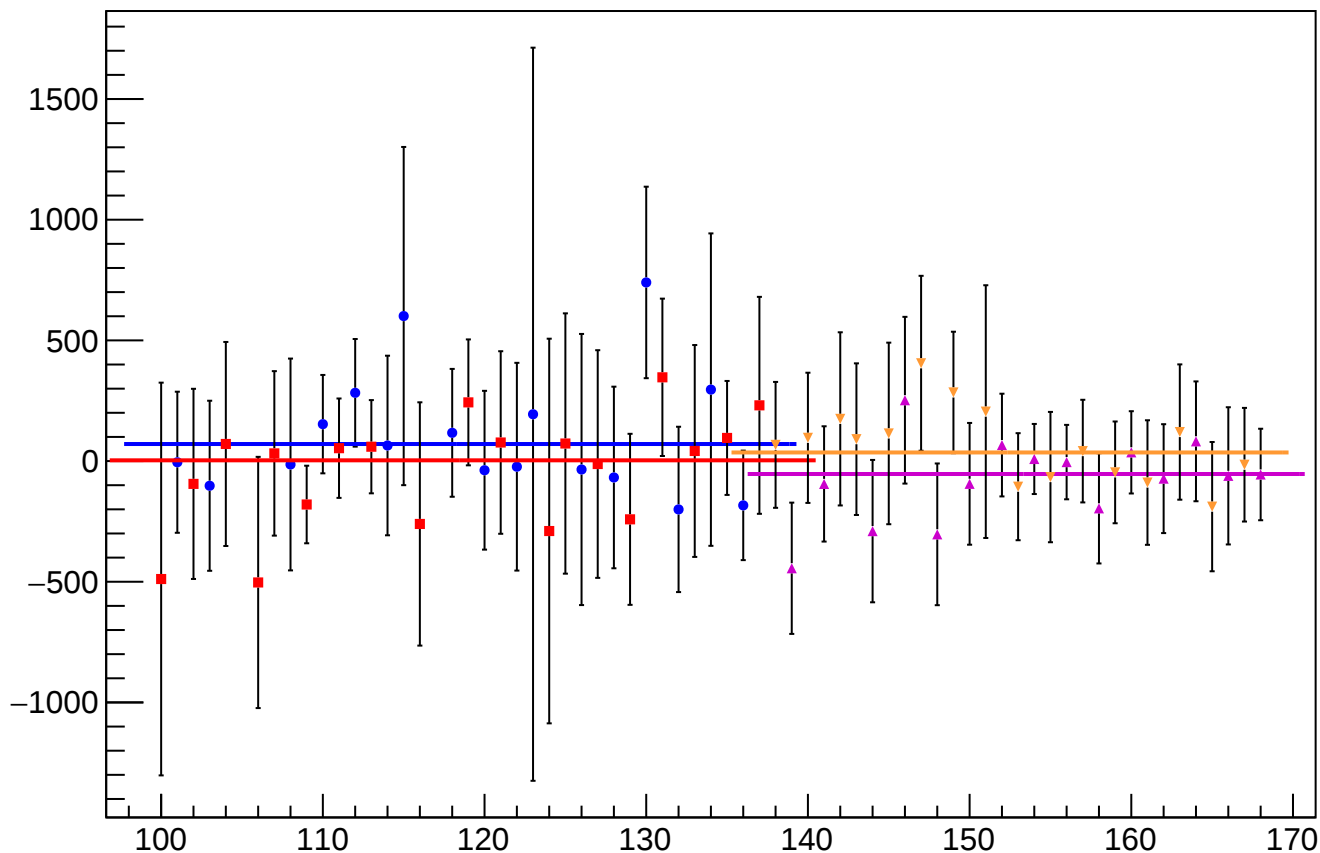
Left In: 16.450 $\pm$ 0.003 χ^2 /NDF: 35632.6/14

+ sign 16.886 $\pm$ 0.003 χ^2 /NDF: 135510.4/32

All: 16.883 $\pm$ 0.002 χ^2 /NDF: 247916.1/66

- sign 16.880 $\pm$ 0.003 χ^2 /NDF: 112403.8/33

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 70.634 $\pm$ 80.409 χ^2 /NDF: 7.2/16

Left Out: 35.643 $\pm$ 67.590 χ^2 /NDF: 4.2/15

Right Out: 3.063 $\pm$ 71.508 χ^2 /NDF: 6.2/18

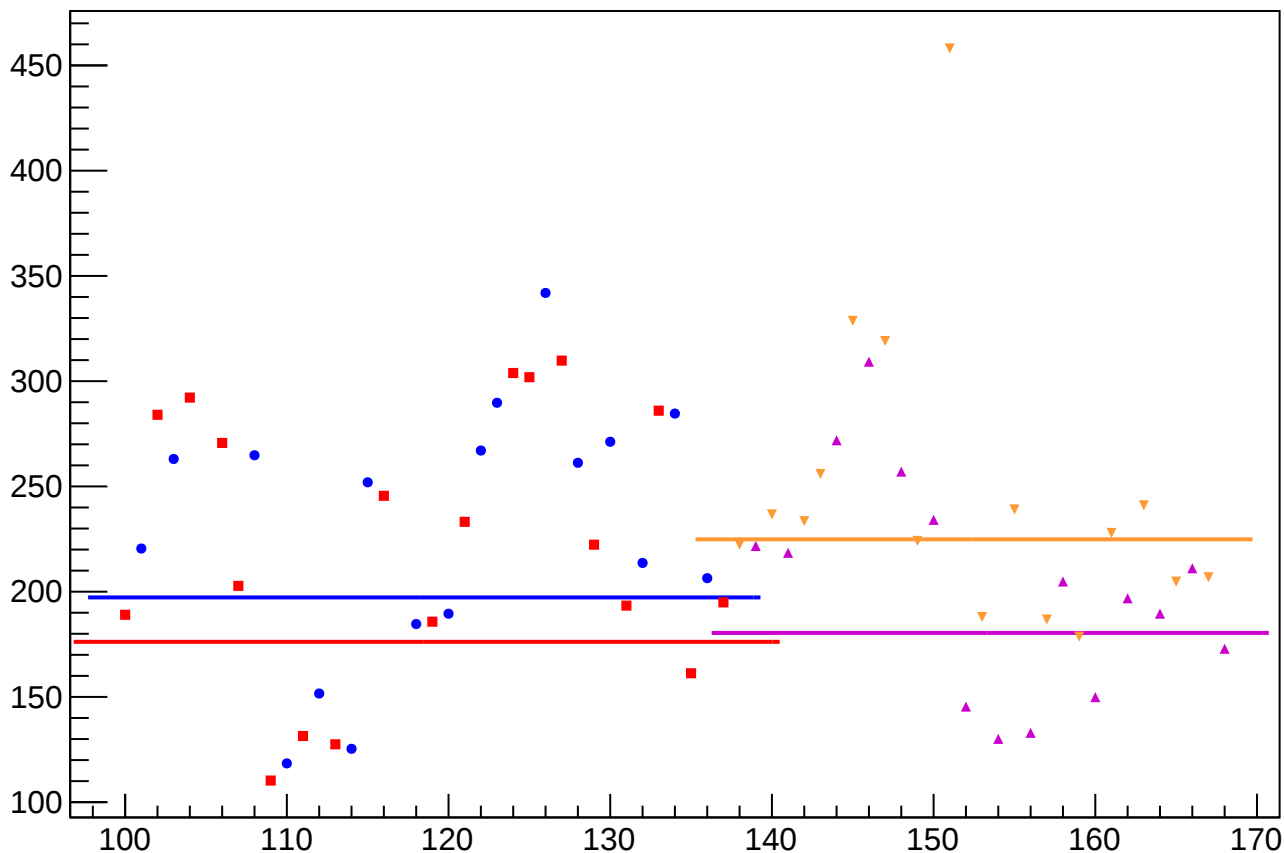
Left In: -53.583 $\pm$ 55.943 χ^2 /NDF: 5.8/14

+ sign 50.130 $\pm$ 51.739 χ^2 /NDF: 11.5/32

All: 2.481 $\pm$ 33.546 χ^2 /NDF: 25.4/66

- sign -32.076 $\pm$ 44.061 χ^2 /NDF: 12.4/33

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.271+/-0.057 χ^2/NDF : 969549.7/16

Left Out: 224.882+/-0.048 χ^2/NDF : 960196.1/15

Right Out: 176.181+/-0.051 χ^2/NDF : 1519707.5/18

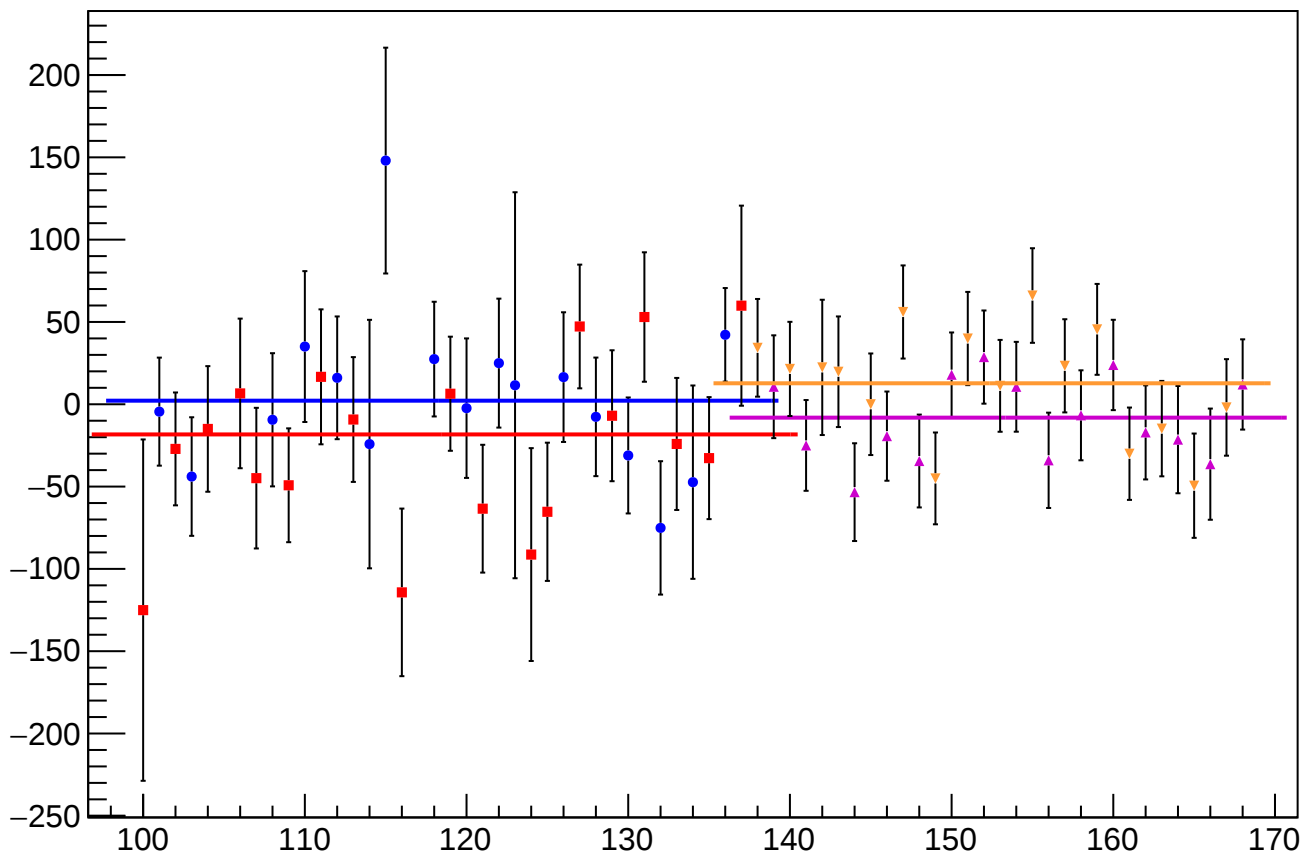
Left In: 180.397+/-0.040 χ^2/NDF : 1405602.1/14

+ sign 213.450+/-0.037 χ^2/NDF : 2067930.2/32

All: 193.363+/-0.024 χ^2/NDF : 5517617.1/66

- sign 178.796+/-0.031 χ^2/NDF : 2929622.6/33

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178 ± 9.825 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 12.748 ± 7.383 $\chi^2/\text{NDF}: 20.8/15$

Right Out: -18.320 ± 9.497 $\chi^2/\text{NDF}: 19.6/18$

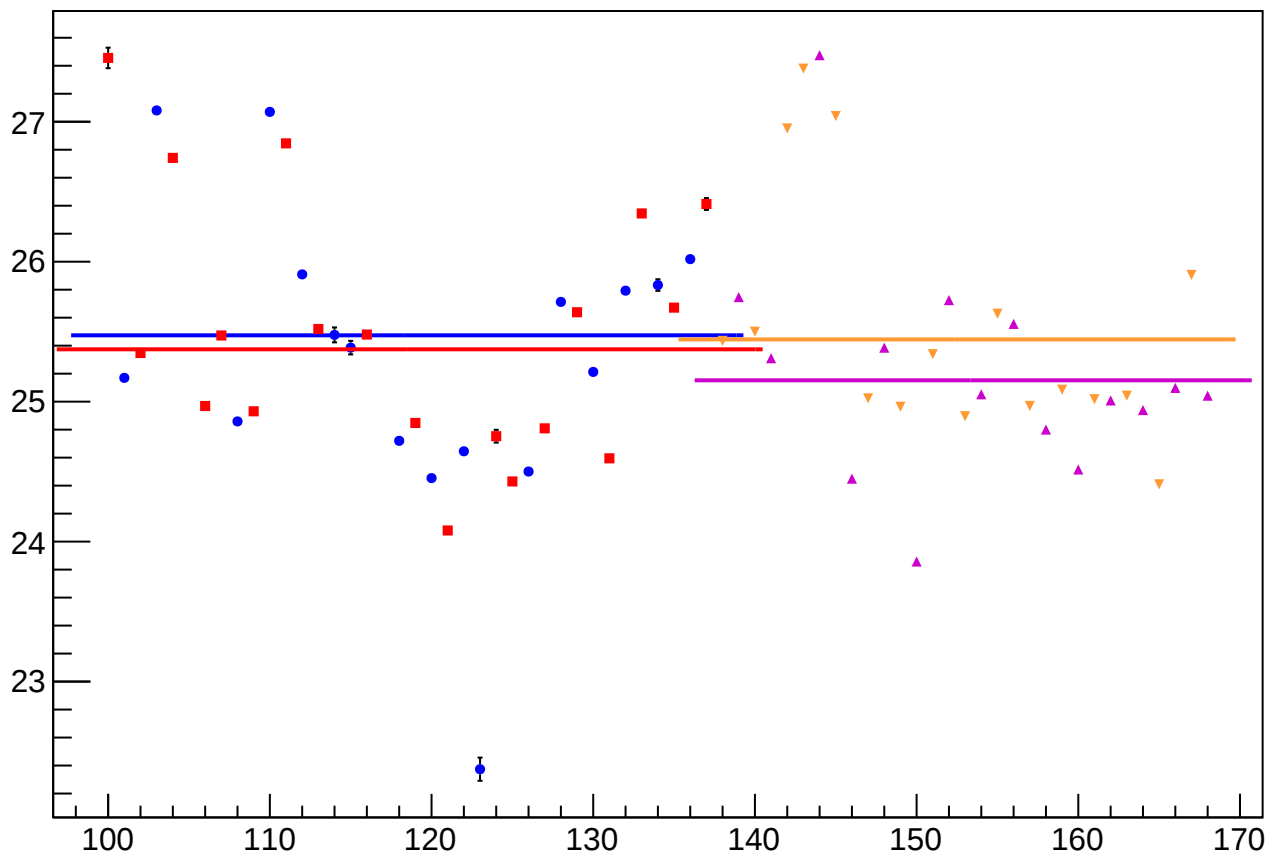
Left In: -8.128 ± 7.364 $\chi^2/\text{NDF}: 11.0/14$

+ sign 8.933 ± 5.902 $\chi^2/\text{NDF}: 36.9/32$

All: -1.658 ± 4.144 $\chi^2/\text{NDF}: 74.5/66$

- sign -11.955 ± 5.820 $\chi^2/\text{NDF}: 31.3/33$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474 $\pm$ 0.007 χ^2 /NDF: 14061.2/16

Left Out: 25.445 $\pm$ 0.005 χ^2 /NDF: 20988.6/15

Right Out: 25.374 $\pm$ 0.007 χ^2 /NDF: 13581.2/18

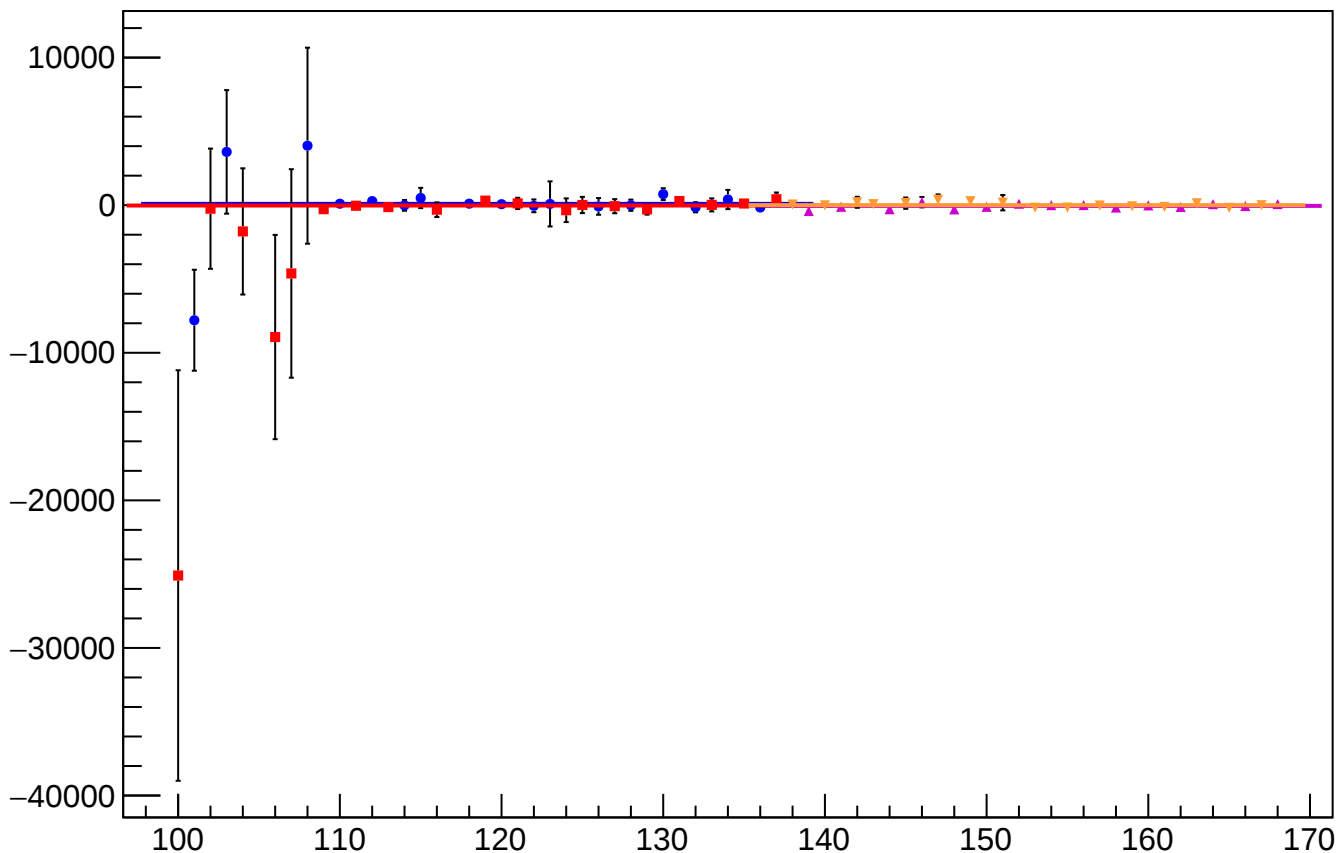
Left In: 25.152 $\pm$ 0.005 χ^2 /NDF: 22417.3/14

+ sign 25.455 $\pm$ 0.004 χ^2 /NDF: 35061.1/32

All: 25.344 $\pm$ 0.003 χ^2 /NDF: 73143.8/66

- sign 25.236 $\pm$ 0.004 χ^2 /NDF: 36678.5/33

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 89.619+/-87.630 χ^2/NDF : 12.3/16

Left Out: 2.805+/-68.054 χ^2/NDF : 4.6/15

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

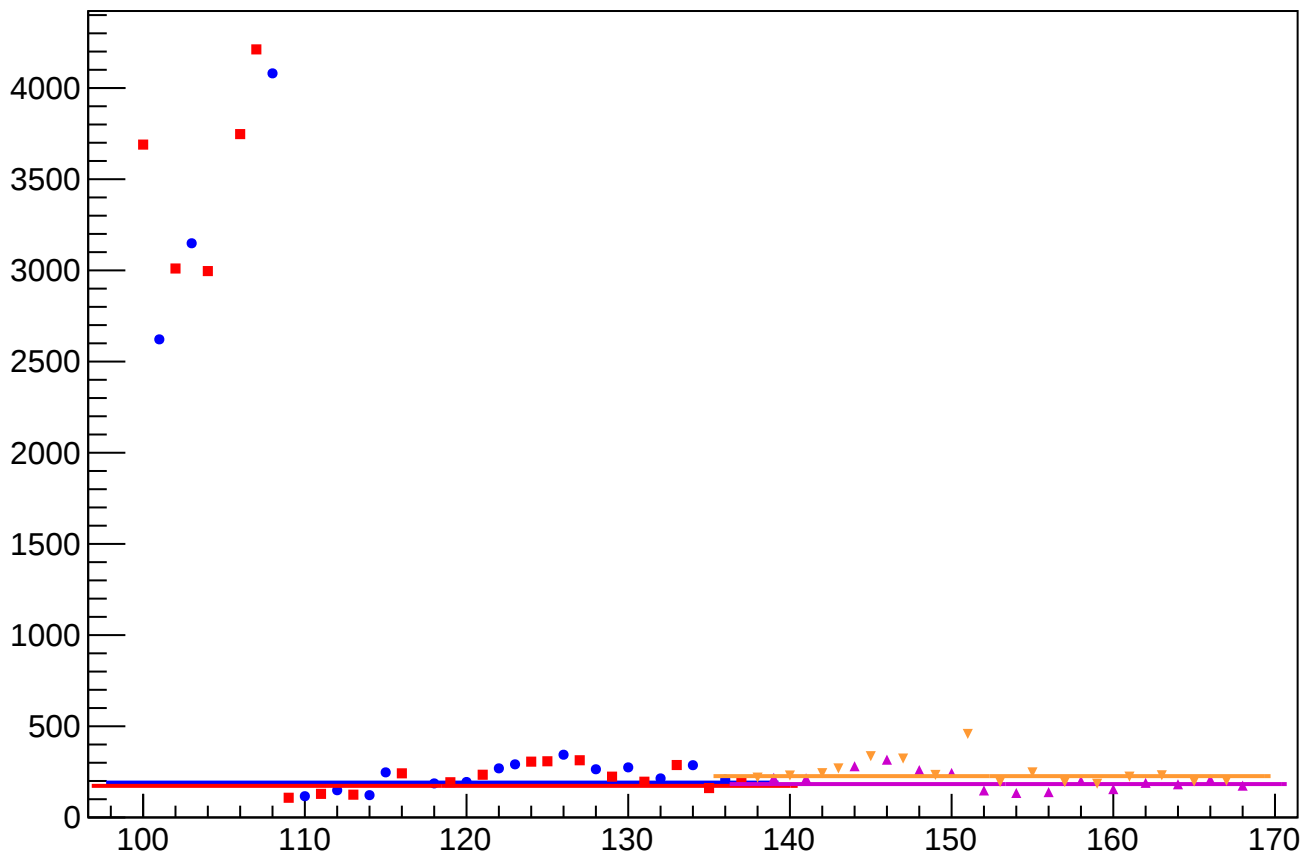
Left In: -46.740+/-56.606 χ^2/NDF : 5.3/14

+ sign 35.465+/-53.749 χ^2/NDF : 17.5/32

All: -7.110+/-35.114 χ^2/NDF : 35.8/66

- sign -38.811+/-46.380 χ^2/NDF : 17.2/33

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.190 $\pm$ 0.062 χ^2 /NDF: 3571747.5/16

Left Out: 226.583 $\pm$ 0.048 χ^2 /NDF: 955074.5/15

+ sign 213.267 $\pm$ 0.038 χ^2 /NDF: 4730331.3/32

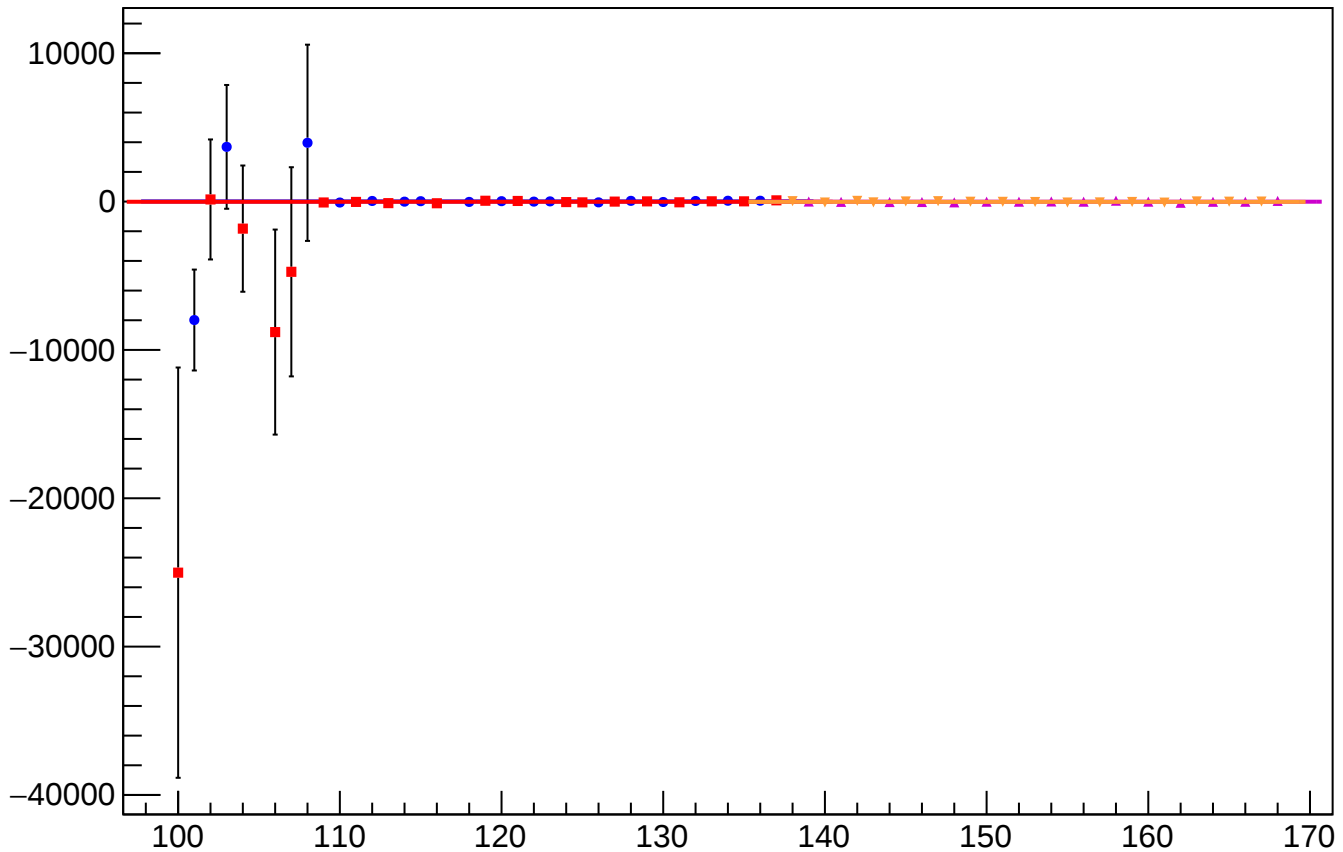
Right Out: 173.269 $\pm$ 0.057 χ^2 /NDF: 4207191.5/18

All: 194.107 $\pm$ 0.025 χ^2 /NDF: 10701177.5/60

- sign 179.840 $\pm$ 0.033 χ^2 /NDF: 5527442.5/33

Left In: 183.057 $\pm$ 0.040 χ^2 /NDF: 1300598.4/14

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.398+/-12.190 χ^2/NDF : 18.3/16

Left Out: -18.445+/-8.440 χ^2/NDF : 16.1/15

Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

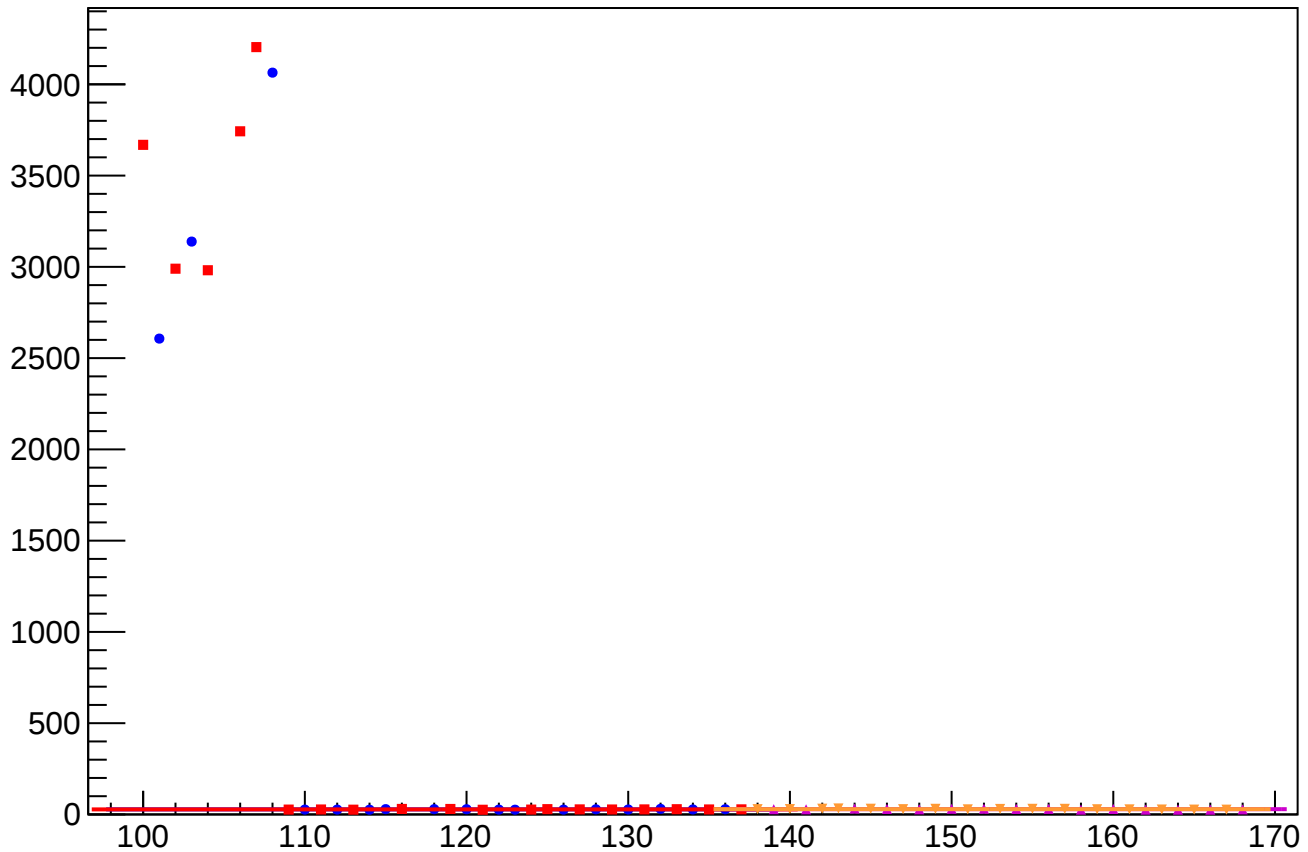
Left In: -8.527+/-8.491 χ^2/NDF : 17.3/14

+ sign -9.097+/-6.939 χ^2/NDF : 38.1/32

All: -9.529+/-4.919 χ^2/NDF : 79.9/66

- sign -9.965+/-6.974 χ^2/NDF : 41.8/33

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837 $\pm$ 0.009 χ^2 /NDF: 3026887.2/16

Left Out: 29.027 $\pm$ 0.006 χ^2 /NDF: 91936.8/15

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

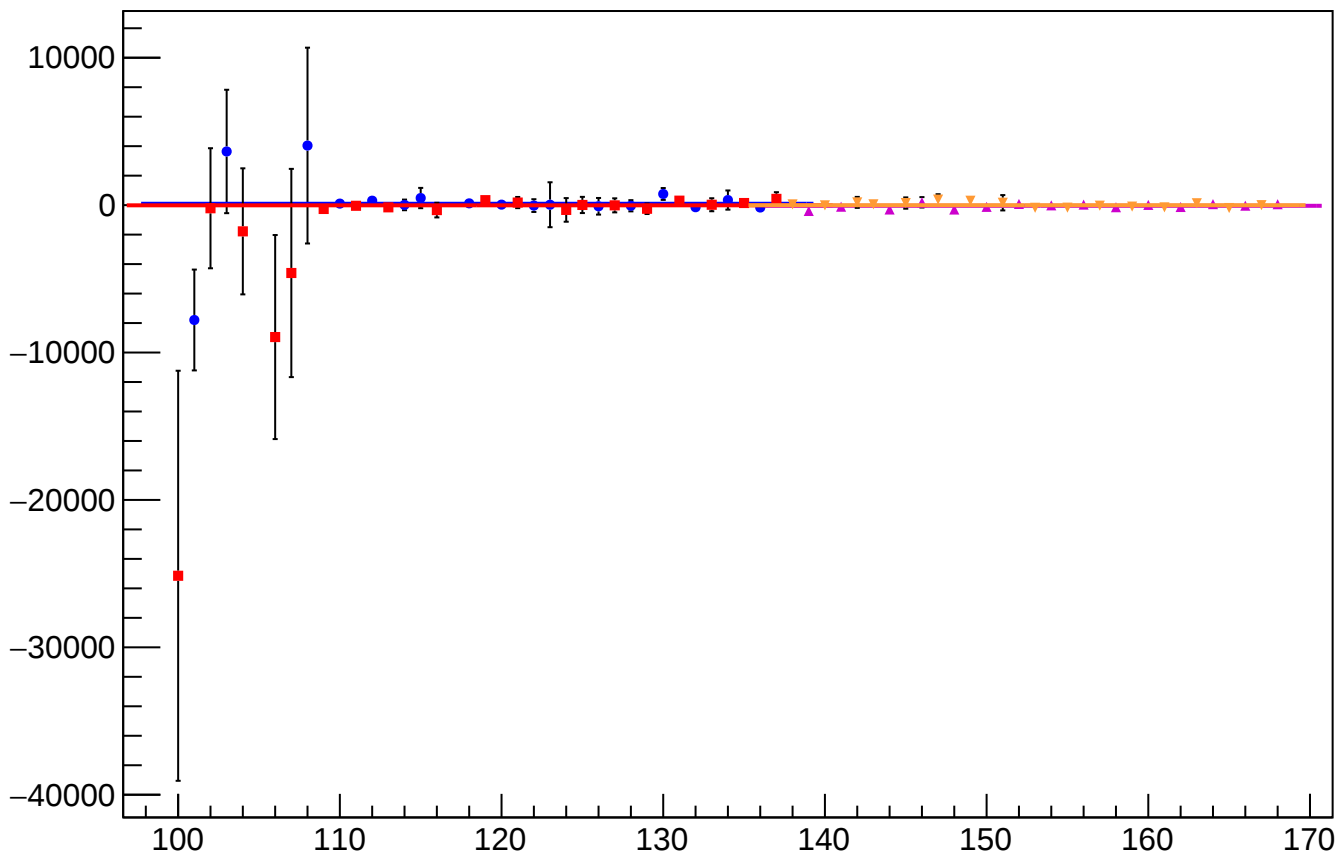
Left In: 28.920 $\pm$ 0.006 χ^2 /NDF: 108277.3/14

+ sign 28.641 $\pm$ 0.005 χ^2 /NDF: 3131713.0/32

All: 28.581 $\pm$ 0.003 χ^2 /NDF: 6730657.1/66

- sign 28.521 $\pm$ 0.005 χ^2 /NDF: 3598647.5/33

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 92.840+/-87.359 χ^2/NDF : 12.6/16

Left Out: -4.895+/-67.906 χ^2/NDF : 5.3/15

Right Out: -12.772+/-80.640 χ^2/NDF : 12.7/18

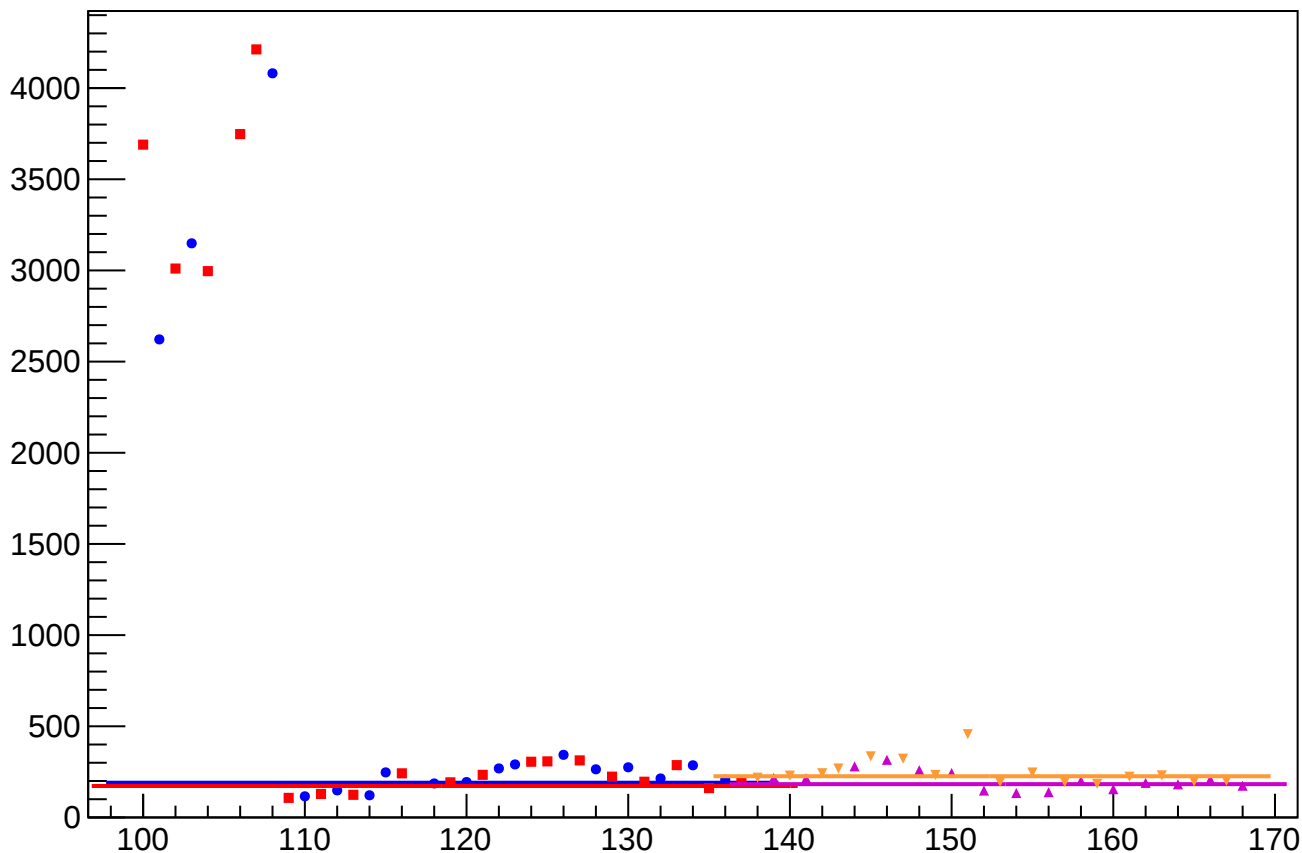
Left In: -45.206+/-56.496 χ^2/NDF : 5.4/14

+ sign 31.916+/-53.613 χ^2/NDF : 18.7/32

All: -6.164+/-35.029 χ^2/NDF : 37.7/66

- sign -34.528+/-46.271 χ^2/NDF : 18.1/33

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.485+/-0.062 χ^2/NDF : 3583573.2/16

Left Out: 226.091+/-0.048 χ^2/NDF : 954936.9/15

+ sign 212.680+/-0.038 χ^2/NDF : 4745612.9/32

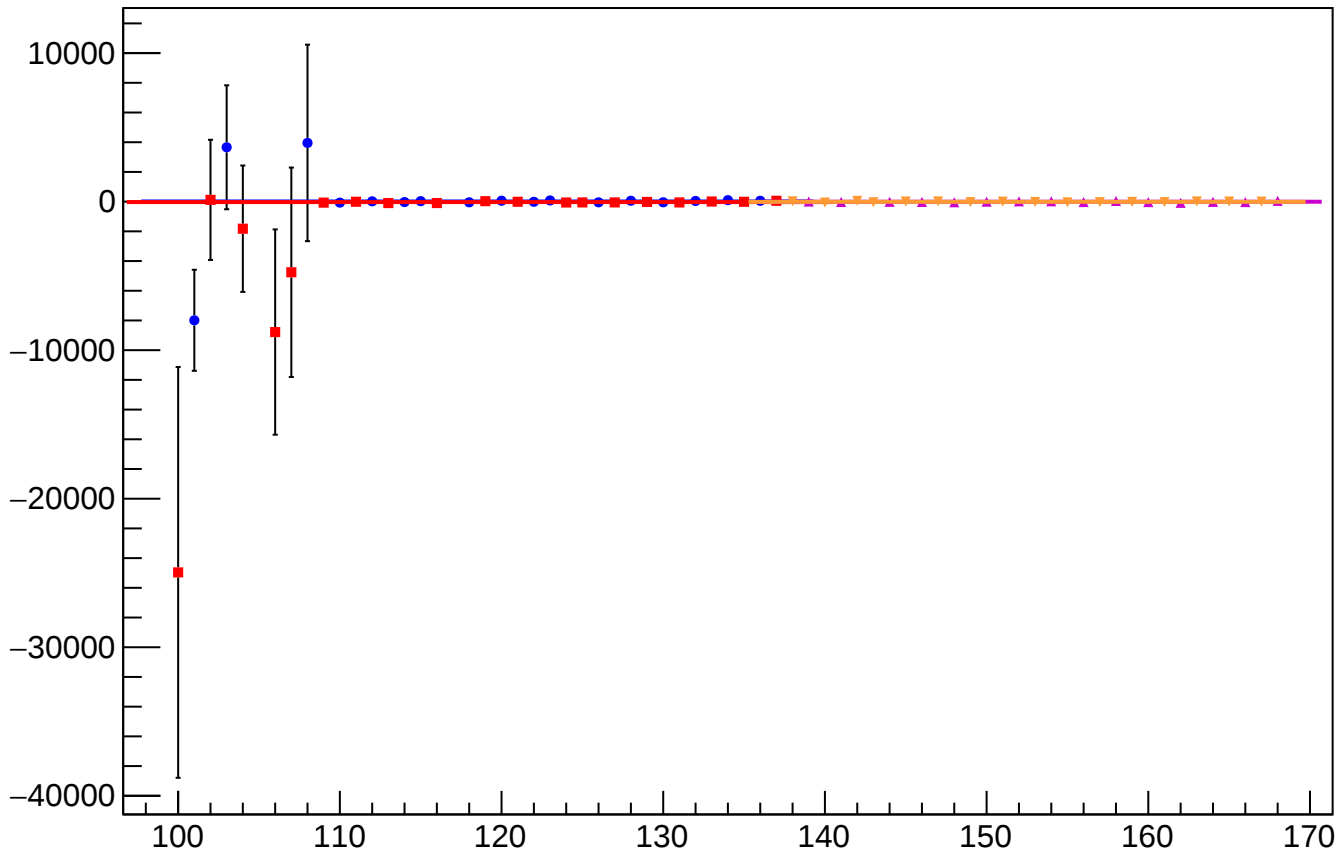
Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

All: 193.594+/-0.025 χ^2/NDF : 10727692.6/60

- sign 179.378+/-0.033 χ^2/NDF : 5539828.9/33

Left In: 182.704+/-0.040 χ^2/NDF : 1300387.4/14

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600 $\pm$ 12.273 χ^2 /NDF: 23.2/16

Left Out: -13.471 $\pm$ 8.505 χ^2 /NDF:10.5/15

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

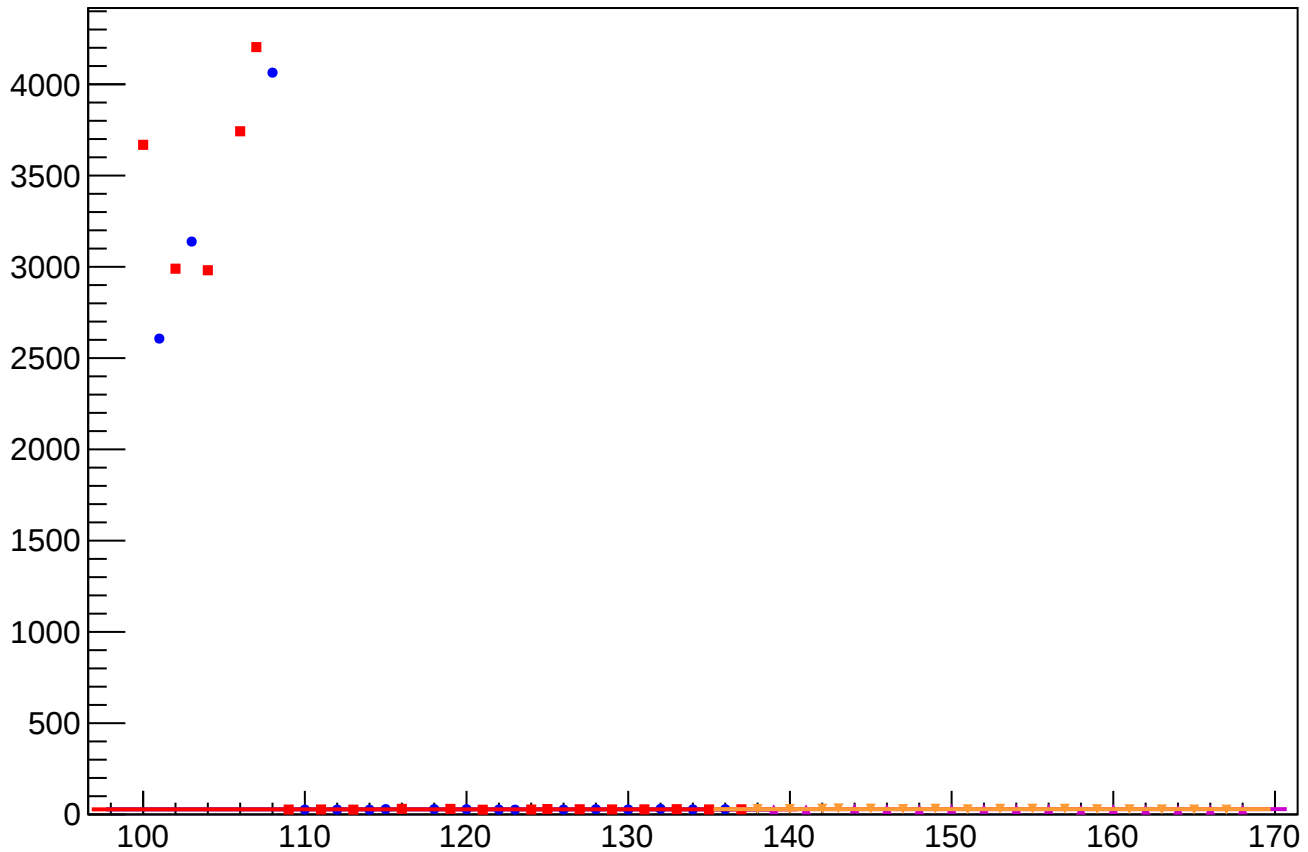
Left In: -7.111 $\pm$ 8.544 χ^2 /NDF:17.4/14

+ sign -5.986 $\pm$ 6.991 χ^2 /NDF: 36.2/32

All: -10.182 $\pm$ 4.954 χ^2 /NDF: 73.0/66

- sign -14.416 $\pm$ 7.022 χ^2 /NDF: 36.2/33

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.023+/-0.009 χ^2/NDF : 3027003.0/16

Left Out: 29.245+/-0.006 χ^2/NDF : 96139.0/15

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

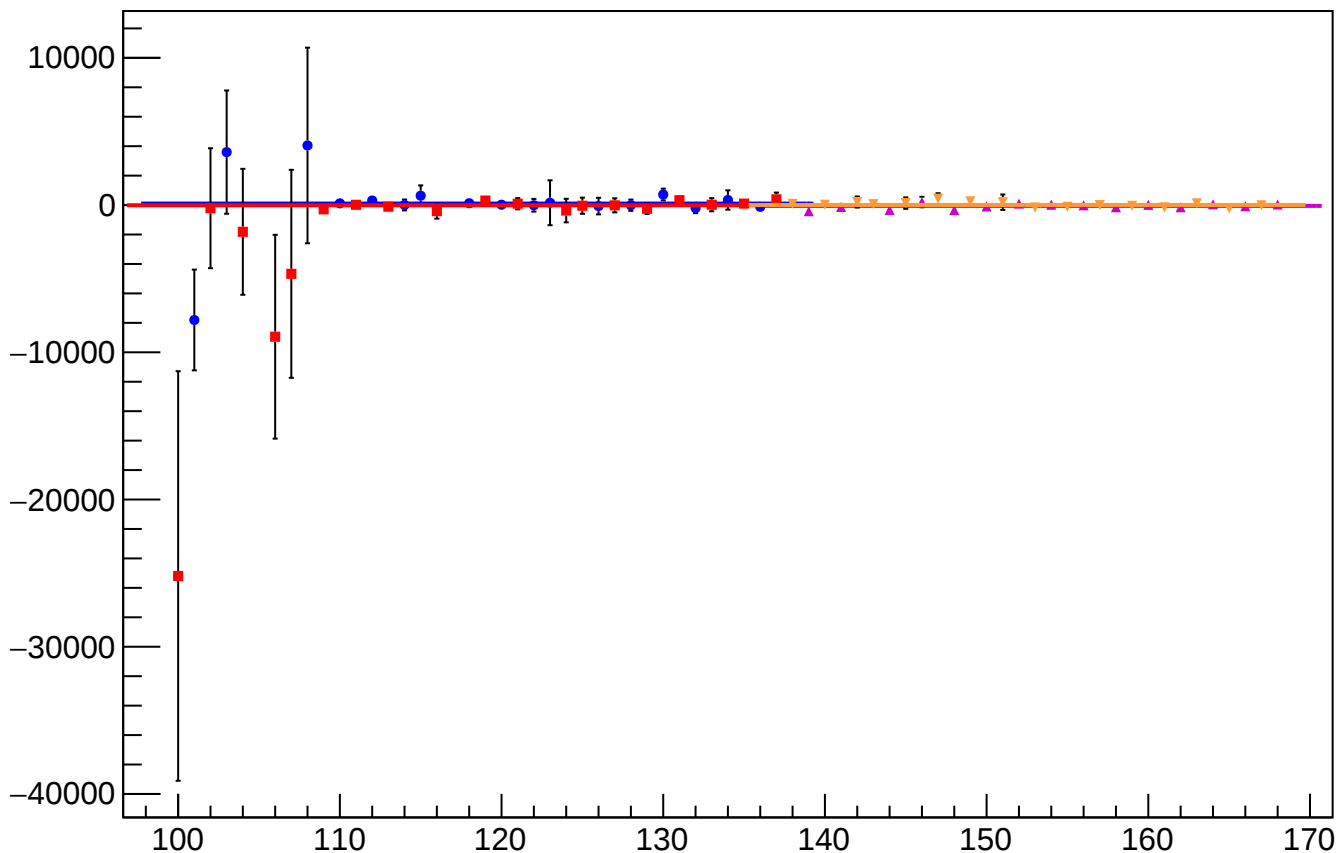
Left In: 29.103+/-0.006 χ^2/NDF : 108730.0/14

+ sign 28.849+/-0.005 χ^2/NDF : 3136547.3/32

All: 28.784+/-0.004 χ^2/NDF : 6737737.0/66

- sign 28.718+/-0.005 χ^2/NDF : 3600842.0/33

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 101.772 $\pm$ 88.390 χ^2 /NDF: 12.4/16

Left Out: 8.718 $\pm$ 68.664 χ^2 /NDF: 5.0/15

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

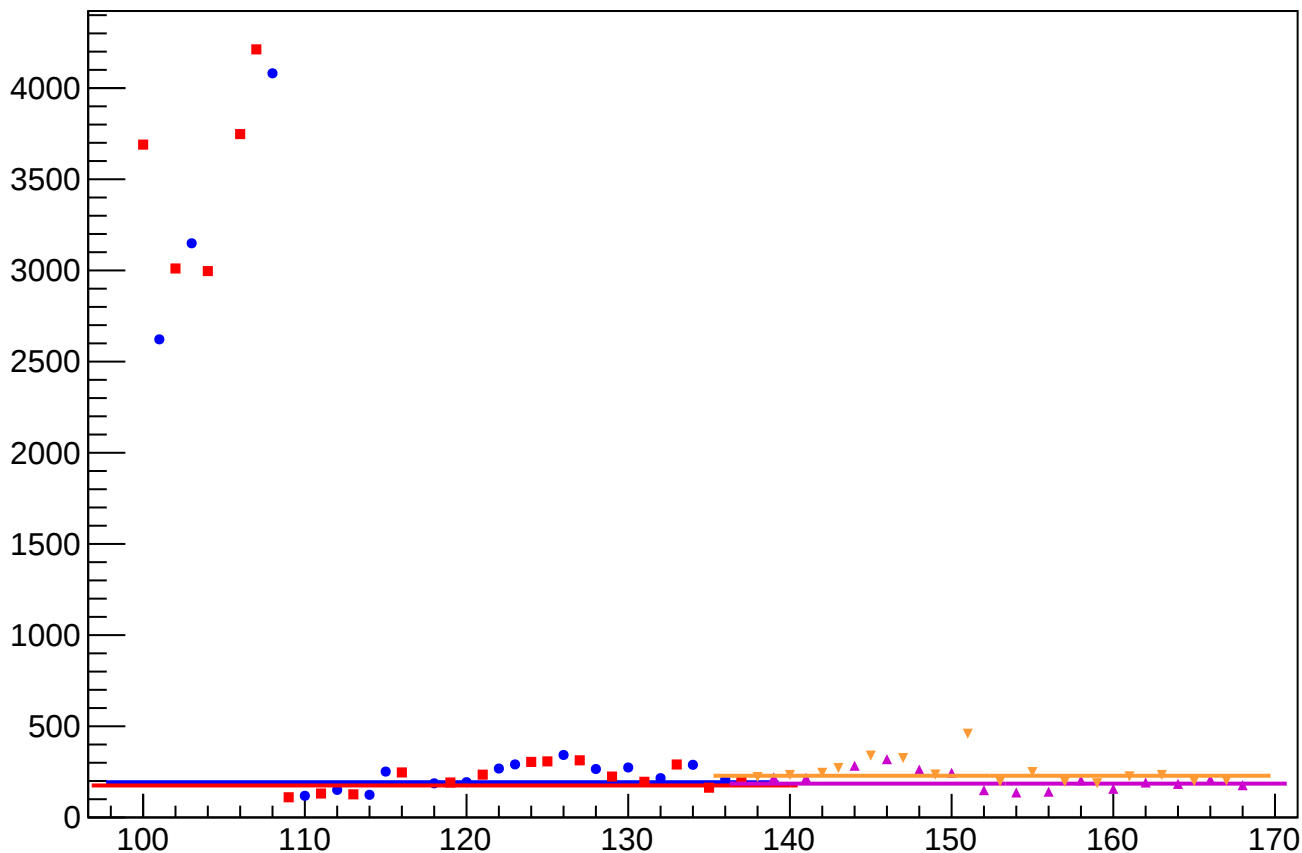
Left In: -54.236 $\pm$ 57.299 χ^2 /NDF: 6.0/14

+ sign 43.739 $\pm$ 54.225 χ^2 /NDF: 18.1/32

All: -4.186 $\pm$ 35.480 χ^2 /NDF: 37.9/66

- sign -40.063 $\pm$ 46.917 χ^2 /NDF: 18.4/33

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.190+/-0.063 χ^2/NDF : 3536123.5/16

Left Out: 228.709+/-0.049 χ^2/NDF : 948242.5/15

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

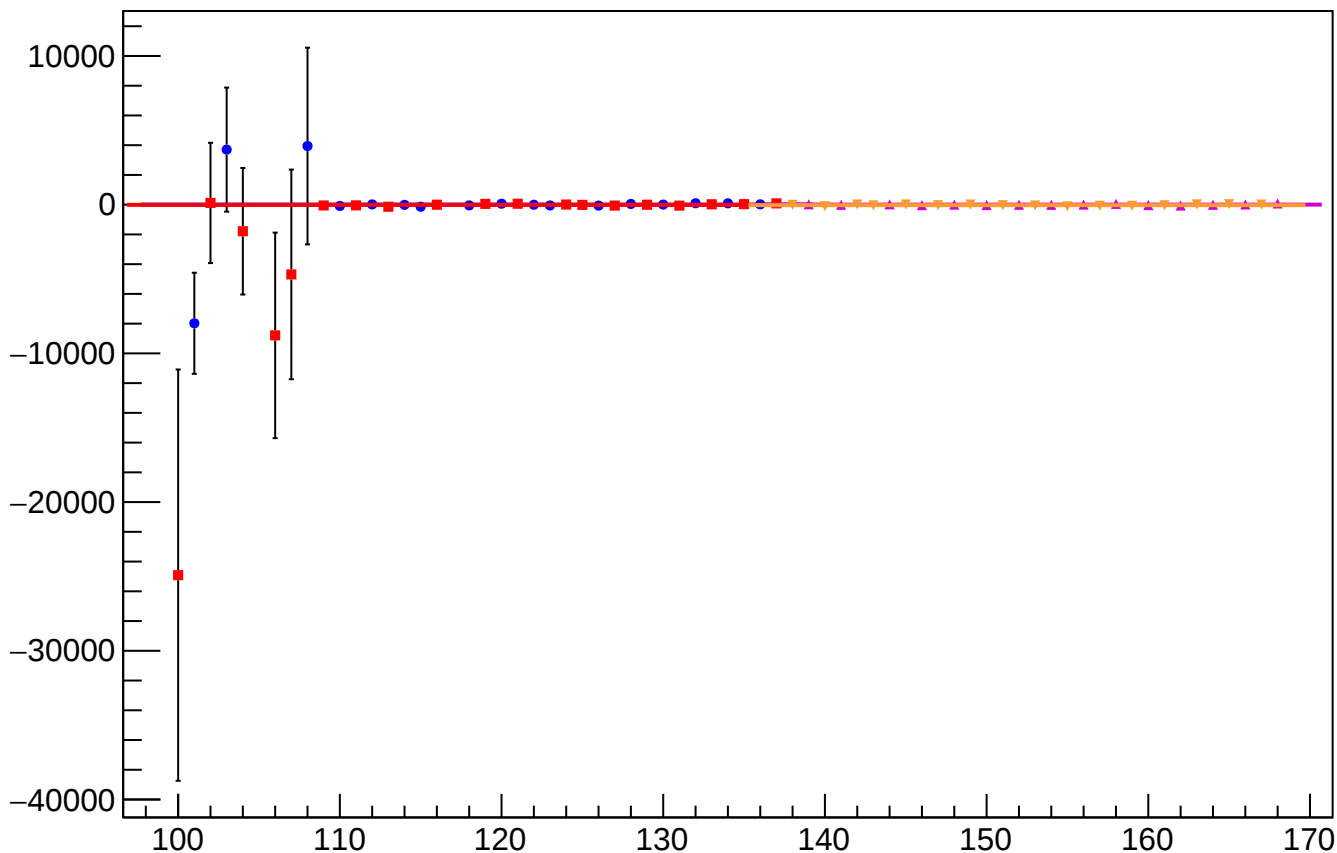
Left In: 185.491+/-0.041 χ^2/NDF : 1271739.6/14

+ sign 215.341+/-0.038 χ^2/NDF : 4685772.5/32

All: 196.385+/-0.025 χ^2/NDF : 10570415.9/60

- sign 182.193+/-0.033 χ^2/NDF : 5457227.5/33

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651 $\pm$ 14.935 χ^2 /NDF: 20.4/16

Left Out: -32.488 $\pm$ 10.082 χ^2 /NDF:18.3/15

Right Out: -12.487 $\pm$ 14.947 χ^2 /NDF: 21.7/18

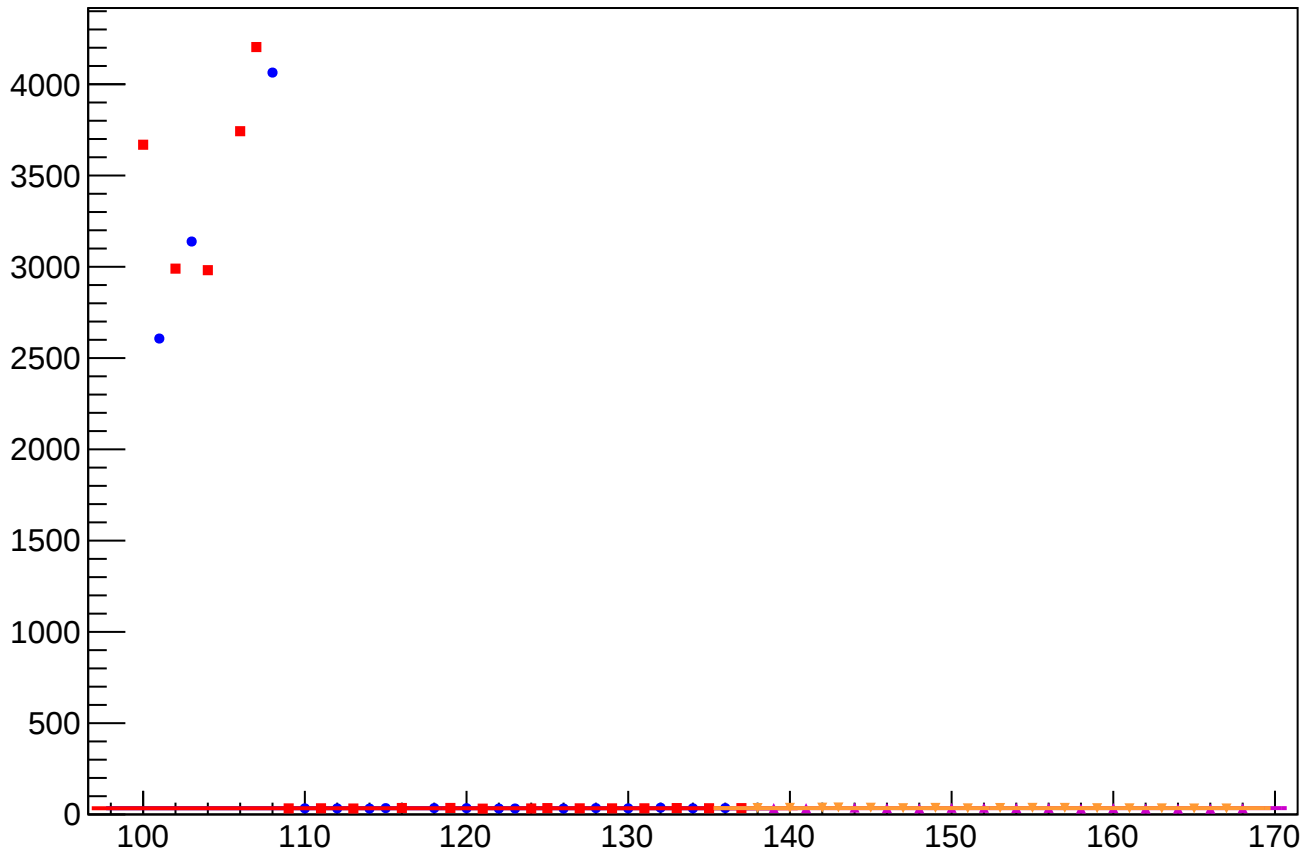
Left In: 3.698 $\pm$ 10.165 χ^2 /NDF:11.8/14

+ sign -20.861 $\pm$ 8.356 χ^2 /NDF: 43.0/32

All: -11.197 $\pm$ 5.926 χ^2 /NDF: 80.0/66

- sign -1.420 $\pm$ 8.405 χ^2 /NDF: 34.3/33

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.137 $\pm$ 0.011 χ^2 /NDF: 3006248.0/16

Left Out: 34.731 $\pm$ 0.007 χ^2 /NDF: 46656.3/15

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

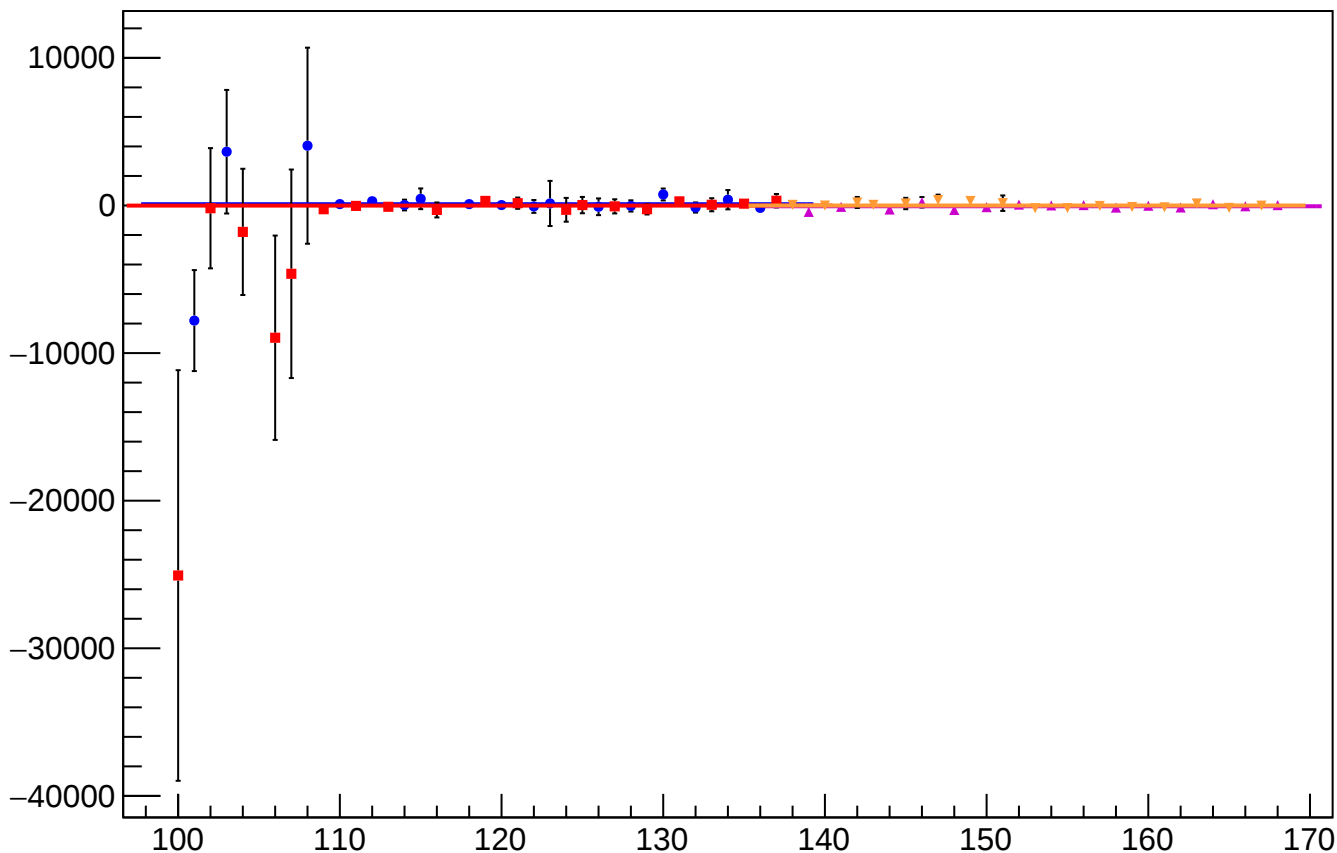
Left In: 34.693 $\pm$ 0.007 χ^2 /NDF: 51411.8/14

+ sign 34.545 $\pm$ 0.006 χ^2 /NDF: 3055072.2/32

All: 34.496 $\pm$ 0.004 χ^2 /NDF: 6562235.6/66

- sign 34.446 $\pm$ 0.006 χ^2 /NDF: 3507023.9/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041 $\pm$ 87.947 χ^2 /NDF: 12.4/16

Left Out: -1.111 $\pm$ 68.539 χ^2 /NDF: 5.1/15

Right Out: -7.296 $\pm$ 81.208 χ^2 /NDF: 11.1/18

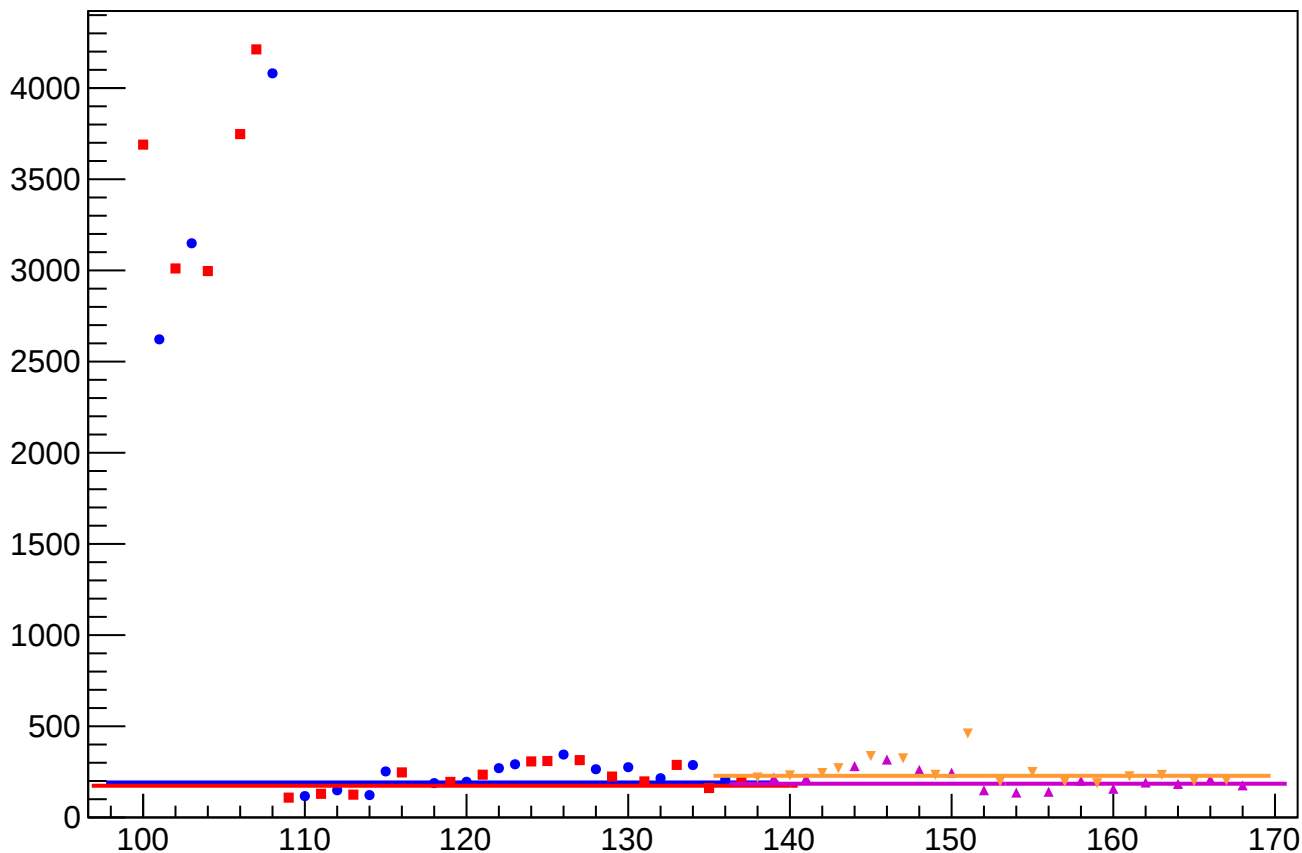
Left In: -52.834 $\pm$ 57.141 χ^2 /NDF: 5.4/14

+ sign 31.819 $\pm$ 54.061 χ^2 /NDF: 18.1/32

All: -8.000 $\pm$ 35.354 χ^2 /NDF: 35.7/66

- sign -37.754 $\pm$ 46.732 χ^2 /NDF: 16.7/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 191.880 $\pm$ 0.062 χ^2 /NDF: 3573060.2/16

Left Out: 228.323 $\pm$ 0.048 χ^2 /NDF: 937129.4/15

Right Out: 173.928 $\pm$ 0.057 χ^2 /NDF: 4211385.1/18

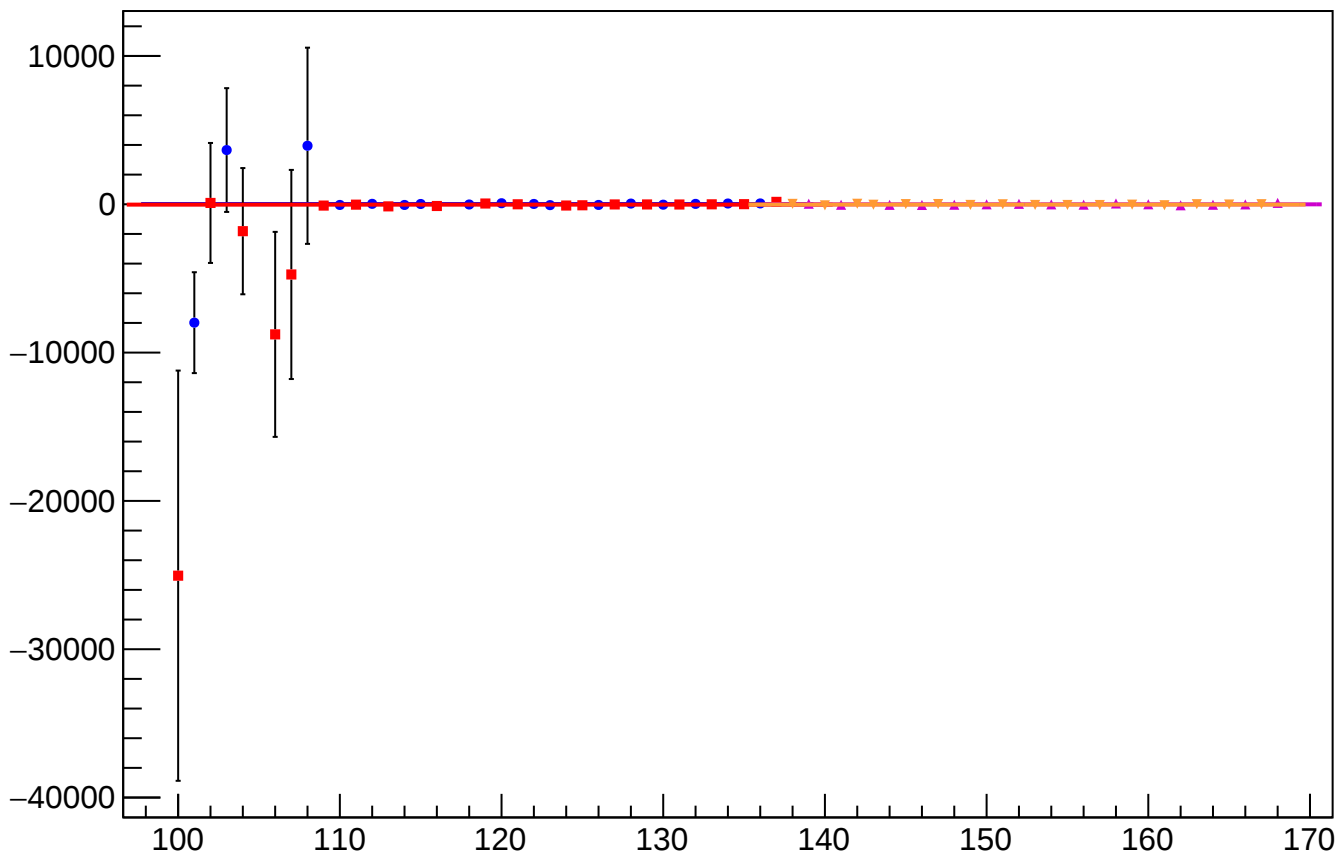
Left In: 184.990 $\pm$ 0.040 χ^2 /NDF: 1259401.9/14

+ sign 214.553 $\pm$ 0.038 χ^2 /NDF: 4723840.4/32

All: 195.536 $\pm$ 0.025 χ^2 /NDF: 10651847.5/60

- sign 181.327 $\pm$ 0.033 χ^2 /NDF: 5495608.4/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.121+/-13.618 χ^2/NDF : 15.2/16

Left Out: -20.399+/-9.155 χ^2/NDF : 11.6/15

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

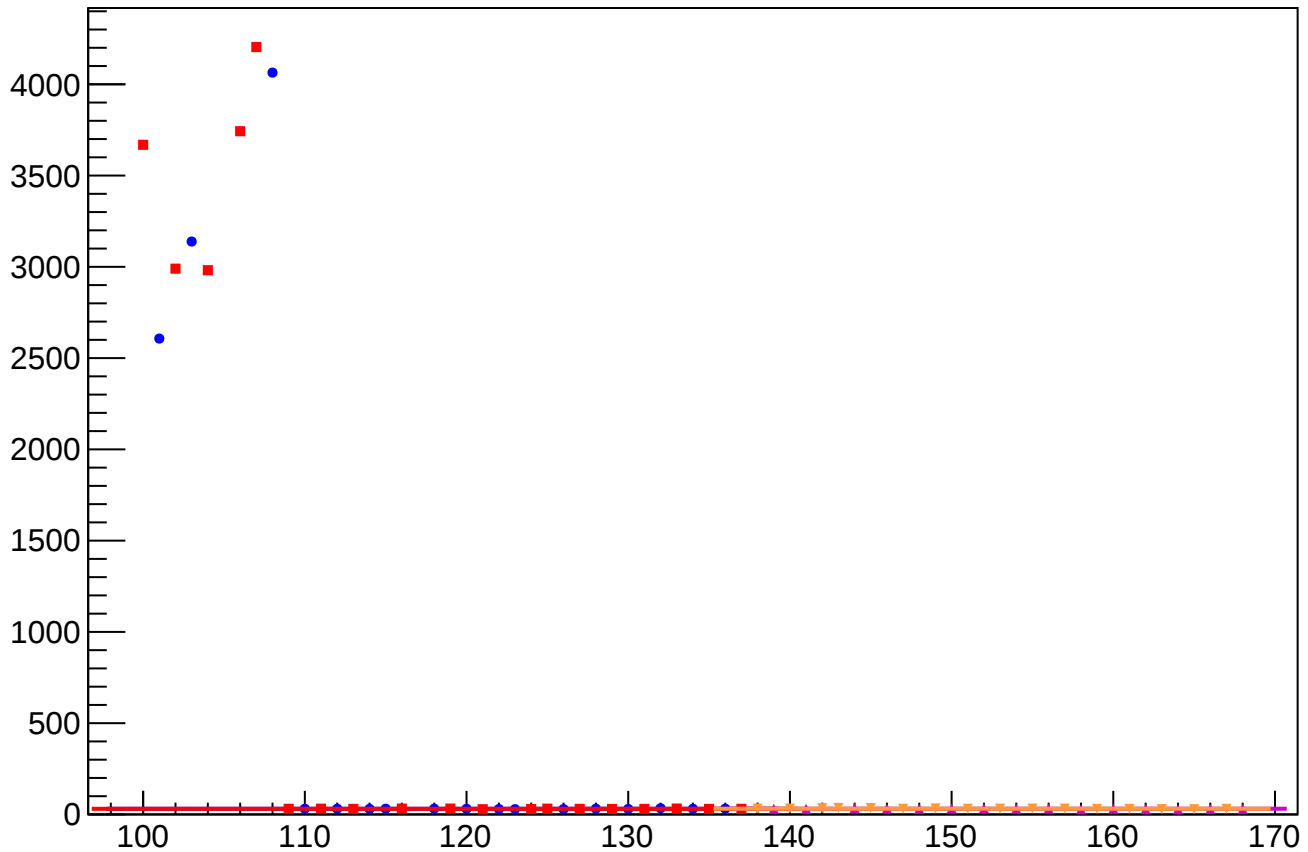
Left In: -3.660+/-9.205 χ^2/NDF : 21.8/14

+ sign -9.654+/-7.598 χ^2/NDF : 31.2/32

All: -9.736+/-5.385 χ^2/NDF : 81.9/66

- sign -9.819+/-7.633 χ^2/NDF : 50.7/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.127 $\pm$ 0.010 χ^2 /NDF: 3014425.9/16

Left Out: 31.502 $\pm$ 0.006 χ^2 /NDF: 71898.9/15

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

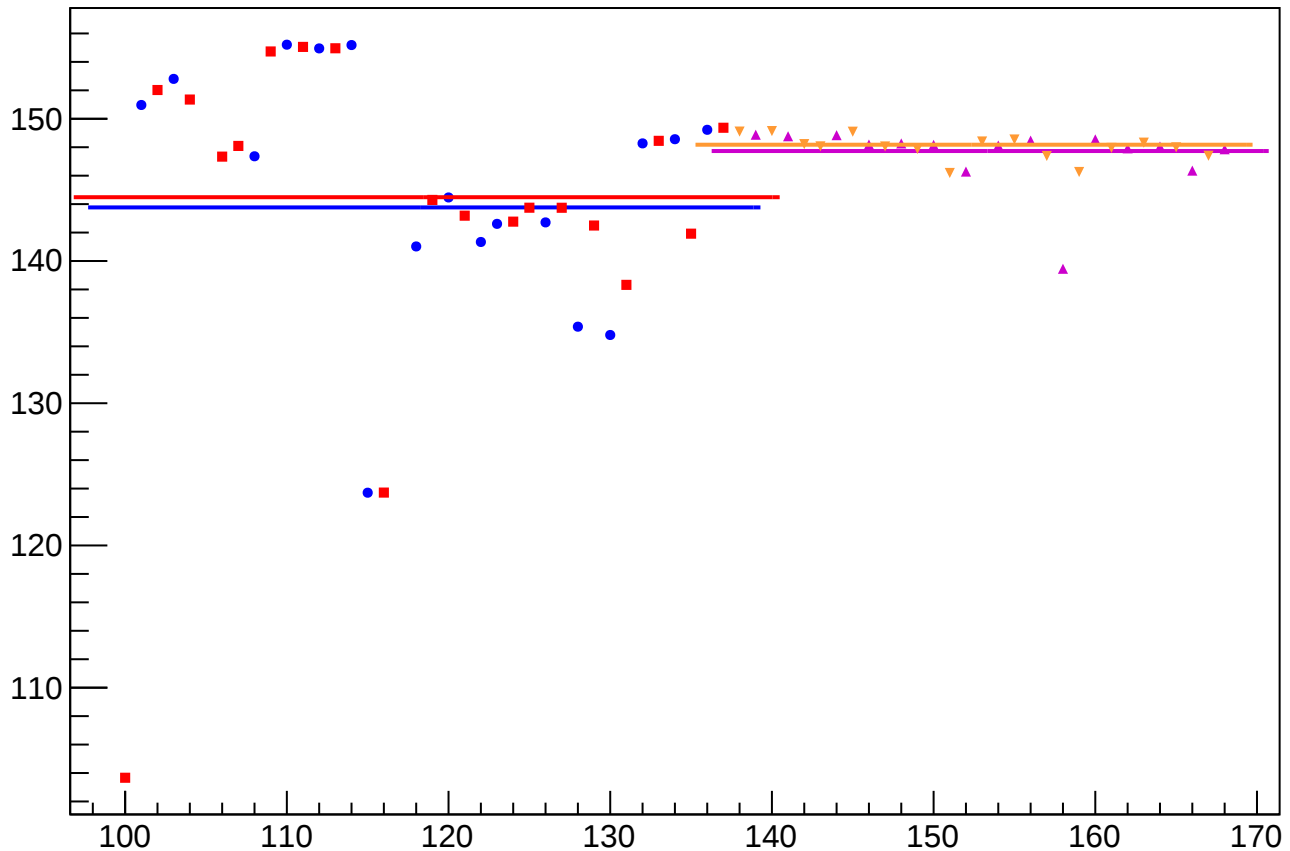
Left In: 31.369 $\pm$ 0.007 χ^2 /NDF: 80248.8/14

+ sign 31.385 $\pm$ 0.005 χ^2 /NDF: 3087372.5/32

All: 31.314 $\pm$ 0.004 χ^2 /NDF: 6628135.7/66

- sign 31.242 $\pm$ 0.005 χ^2 /NDF: 3540410.9/33

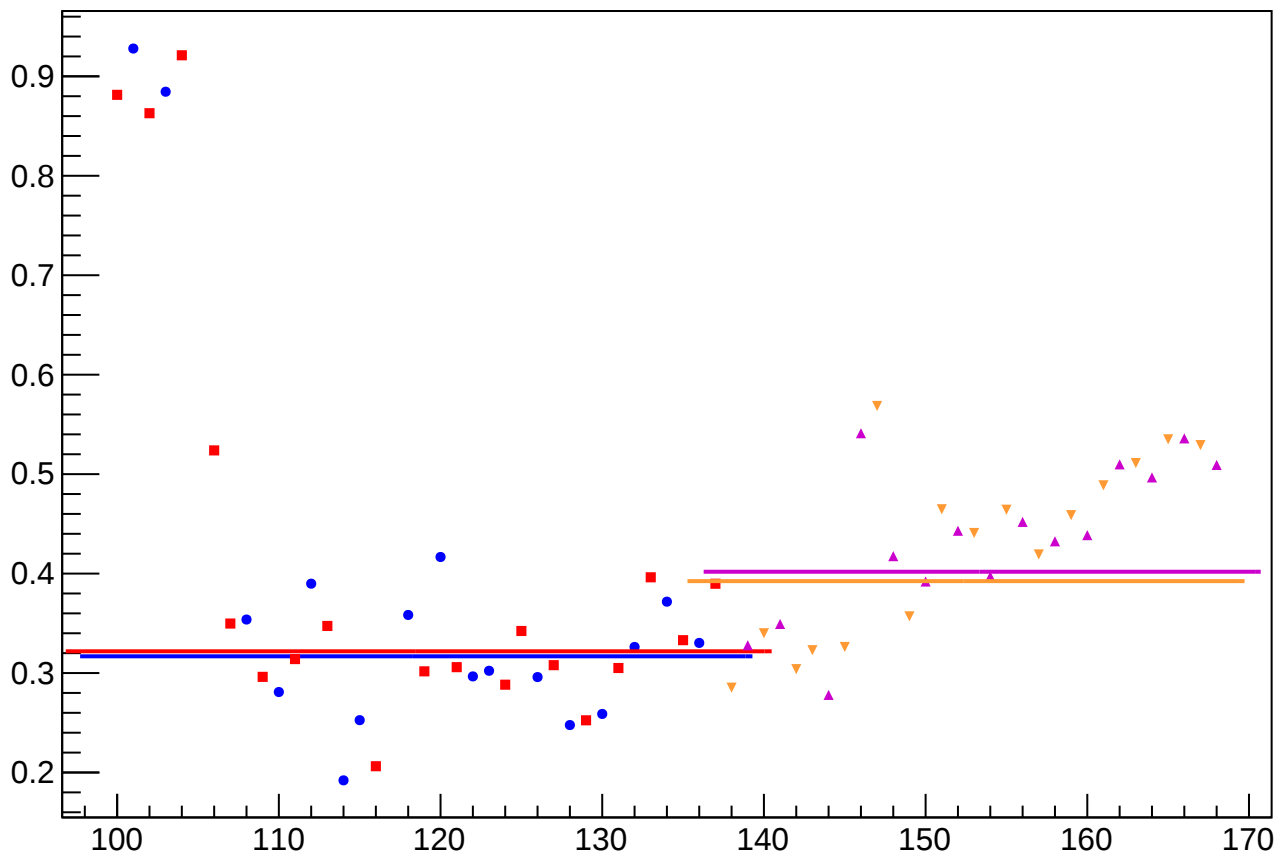
yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000 χ^2 /NDF: 3532173868.5/16
 Left Out: 148.177 $\pm$ 0.000 χ^2 /NDF: 52452126.2/15
 Right Out: 144.486 $\pm$ 0.000 χ^2 /NDF: 4183608291.3/18
 Left In: 147.732 $\pm$ 0.000 χ^2 /NDF: 324068147.4/14

+ sign 146.237 $\pm$ 0.000 χ^2 /NDF: 4190433683.6/32
 All: 146.243 $\pm$ 0.000 χ^2 /NDF: 9021927352.9
 - sign 146.248 $\pm$ 0.000 χ^2 /NDF: 4831486004.8/33

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.392 ± 0.000 χ^2/NDF : 1037052.2/15

Right Out: 0.322 ± 0.000 χ^2/NDF : 1217762.5/18

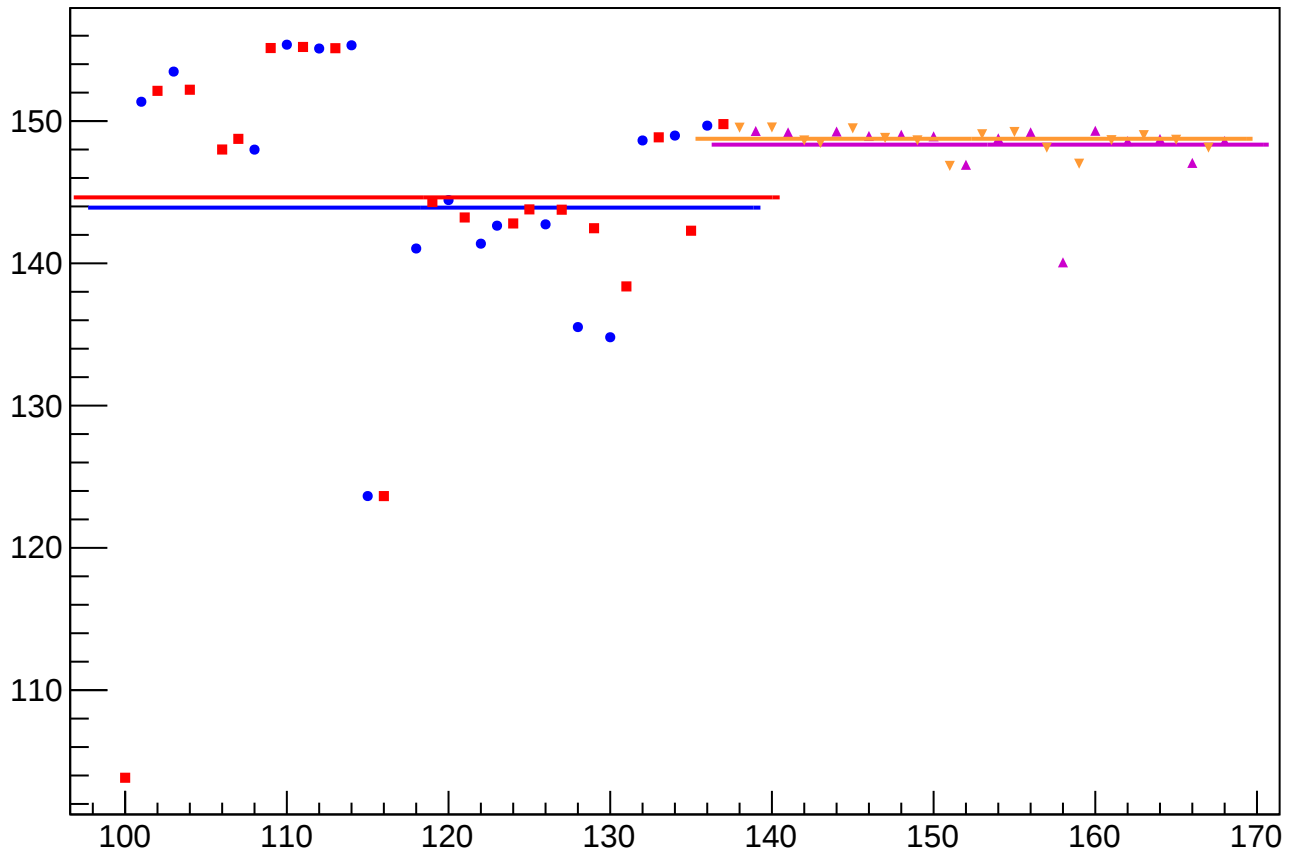
Left In: 0.402 ± 0.000 χ^2/NDF : 842040.9/14

+ sign 0.359 ± 0.000 χ^2/NDF : 2672006.0/32

All: 0.362 ± 0.000 χ^2/NDF : 5129644.8/66

- sign 0.365 ± 0.000 χ^2/NDF : 2452929.3/33

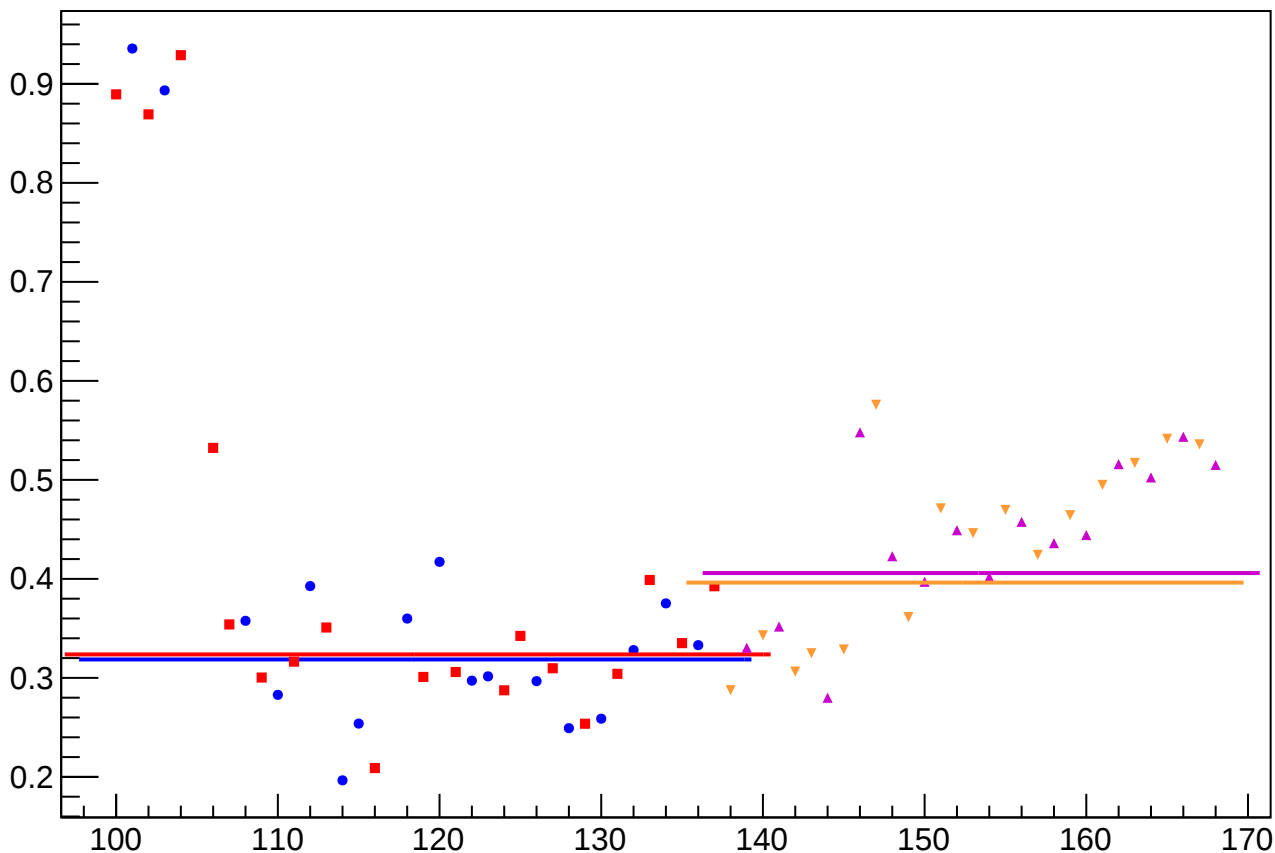
yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 ± 0.000 $\chi^2/\text{NDF}: 3584662767.5/16$
 Left Out: 148.756 ± 0.000 $\chi^2/\text{NDF}: 40946884.6/15$
 Right Out: 144.637 ± 0.000 $\chi^2/\text{NDF}: 4210524953.9/18$
 Left In: 148.343 ± 0.000 $\chi^2/\text{NDF}: 313200825.9/14$

+ sign 146.616 ± 0.000 $\chi^2/\text{NDF}: 4344618561.7/32$
 All: 146.628 ± 0.000 $\chi^2/\text{NDF}: 9283864378.8$
 - sign 146.641 ± 0.000 $\chi^2/\text{NDF}: 4939208858.5/33$

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.396 ± 0.000 χ^2/NDF : 1056155.3/15

Right Out: 0.324 ± 0.000 χ^2/NDF : 1220898.3/18

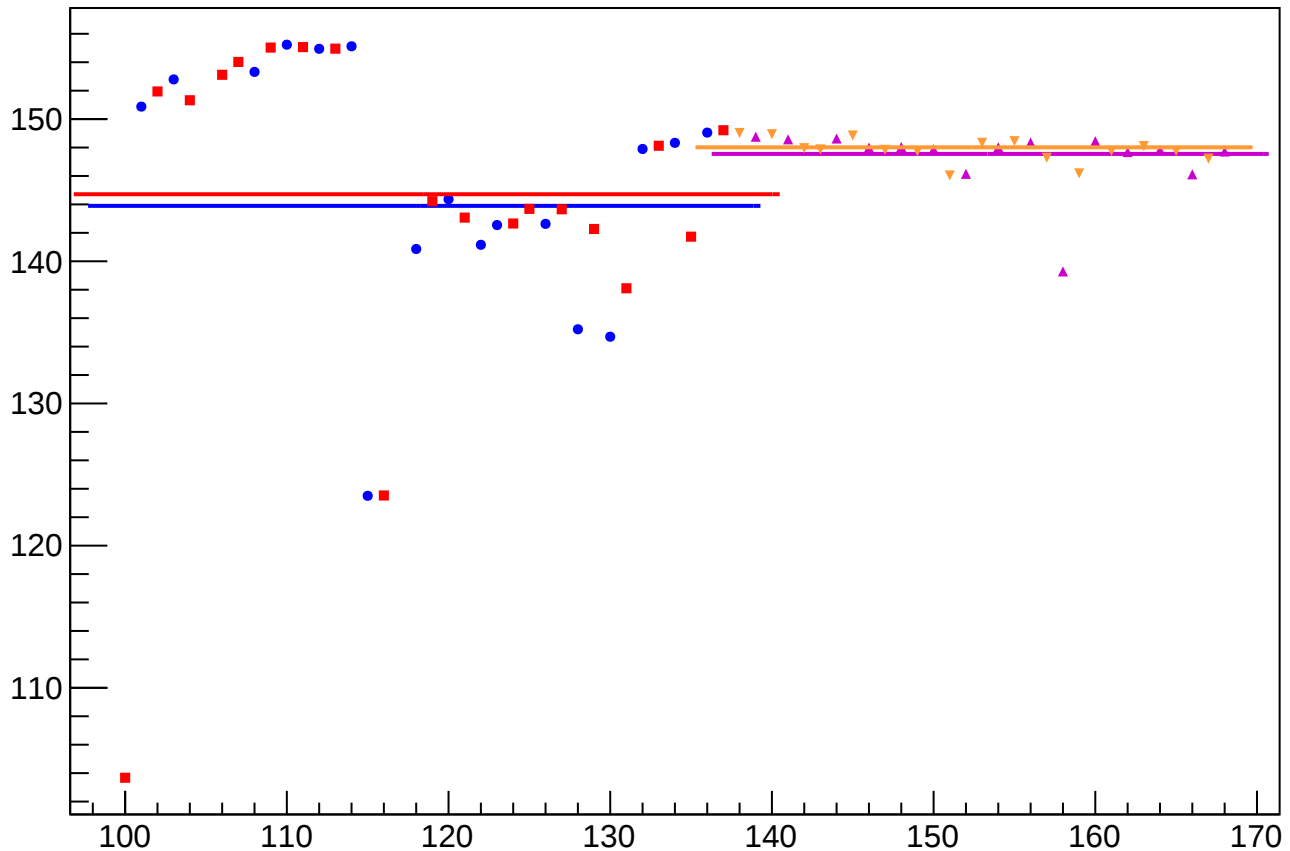
Left In: 0.406 ± 0.000 χ^2/NDF : 859267.7/14

+ sign 0.362 ± 0.000 χ^2/NDF : 2707152.9/32

All: 0.365 ± 0.000 χ^2/NDF : 5200739.2/66

- sign 0.368 ± 0.000 χ^2/NDF : 2488813.7/33

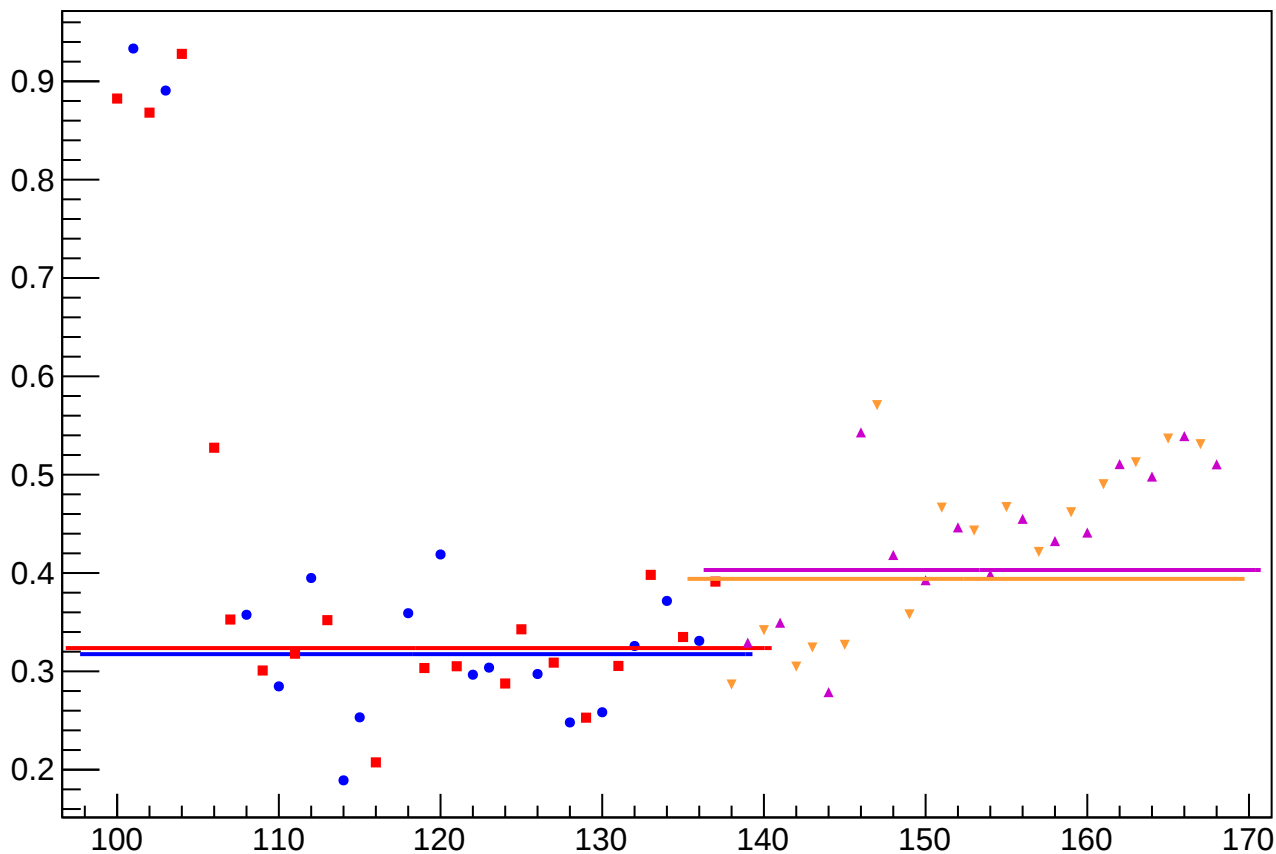
yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16
 Left Out: 148.015 $\pm$ 0.000 χ^2 /NDF: 50924807.6/15
 Right Out: 144.715 $\pm$ 0.000 χ^2 /NDF: 4474458988.7/18
 Left In: 147.551 $\pm$ 0.000 χ^2 /NDF: 322960966.7/14

+ sign 146.202 $\pm$ 0.000 χ^2 /NDF: 4325369828.7/32
 All: 146.230 $\pm$ 0.000 χ^2 /NDF: 9367925007.5
 - sign 146.258 $\pm$ 0.000 χ^2 /NDF: 5042356251.0/33

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.394 $\pm$ 0.000 χ^2 /NDF:1037990.5/15

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1221676.7/18

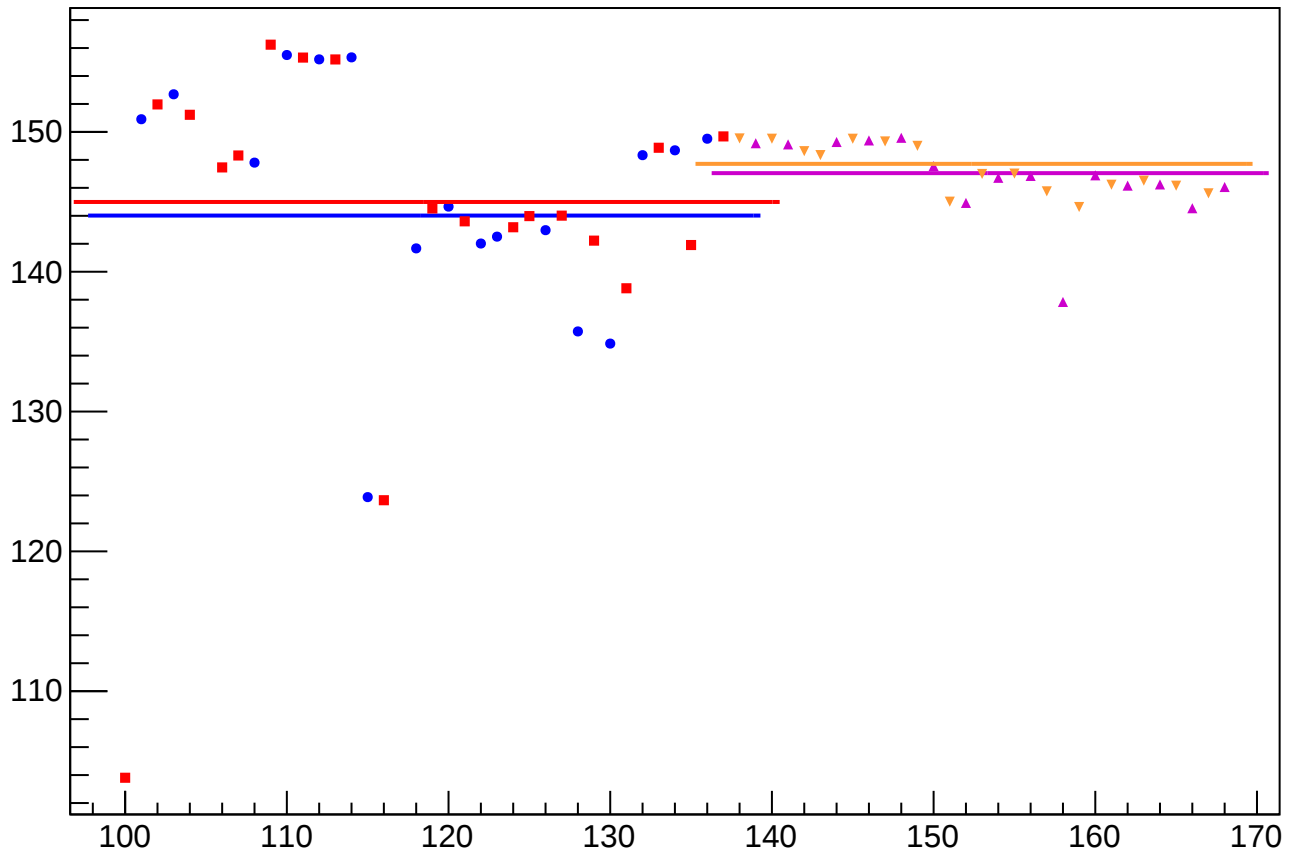
Left In: 0.403 $\pm$ 0.000 χ^2 /NDF:846334.7/14

+ sign 0.360 $\pm$ 0.000 χ^2 /NDF: 2693885.6/32

All: 0.364 $\pm$ 0.000 χ^2 /NDF: 5151215.5/66

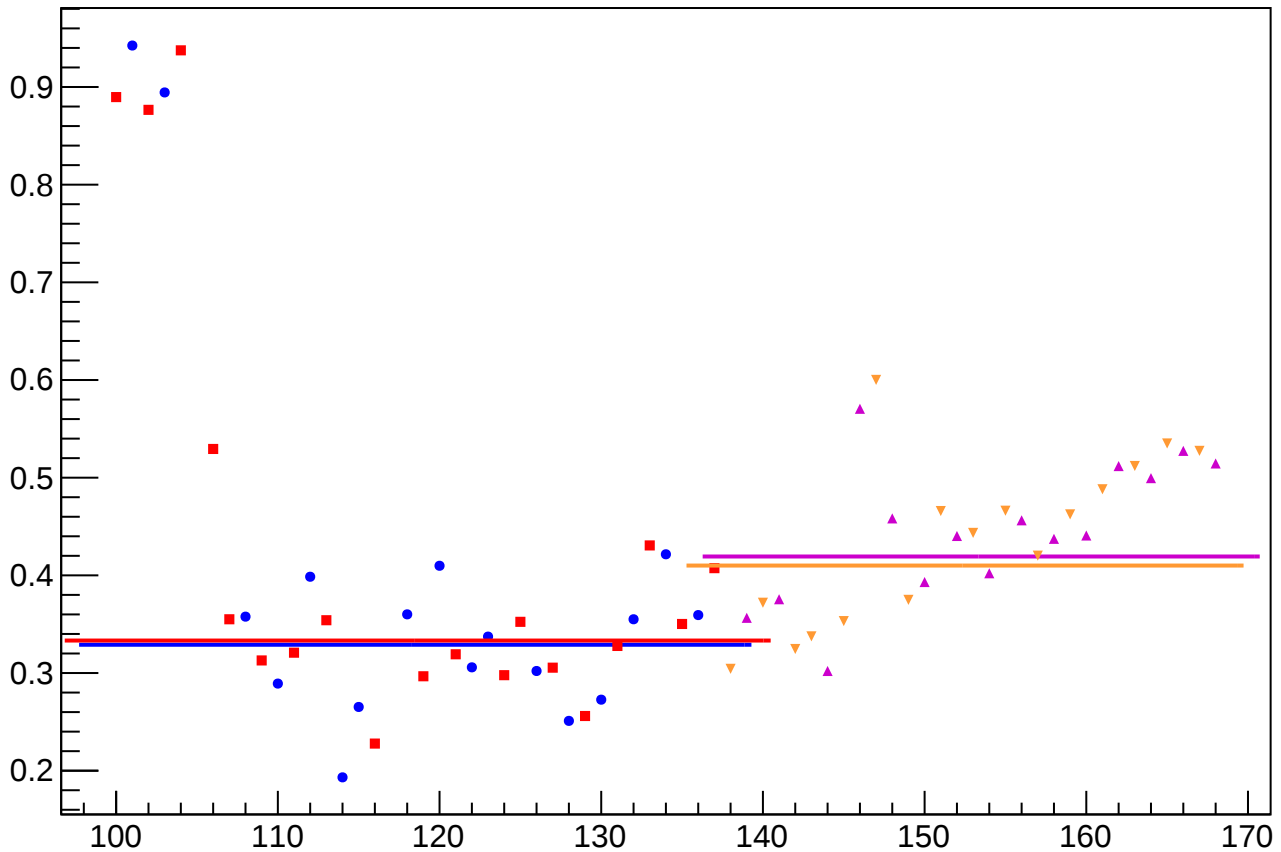
- sign 0.367 $\pm$ 0.000 χ^2 /NDF: 2451994.0/33

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 $\pm$ 0.000	χ^2 /NDF: 3238525527.6/16	+ sign 146.088 $\pm$ 0.000	χ^2 /NDF: 3821381465.0/32
Left Out: 147.716 $\pm$ 0.000	χ^2 /NDF: 189460291.5/15	All: 146.097 $\pm$ 0.000	χ^2 /NDF: 8297029756.2
Right Out: 144.990 $\pm$ 0.000	χ^2 /NDF: 3853449012.9/18	- sign 146.106 $\pm$ 0.000	χ^2 /NDF: 4475627957.0/33
Left In: 147.052 $\pm$ 0.000	χ^2 /NDF: 500829061.8/14		

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.410 ± 0.000 χ^2/NDF : 808148.7/15

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

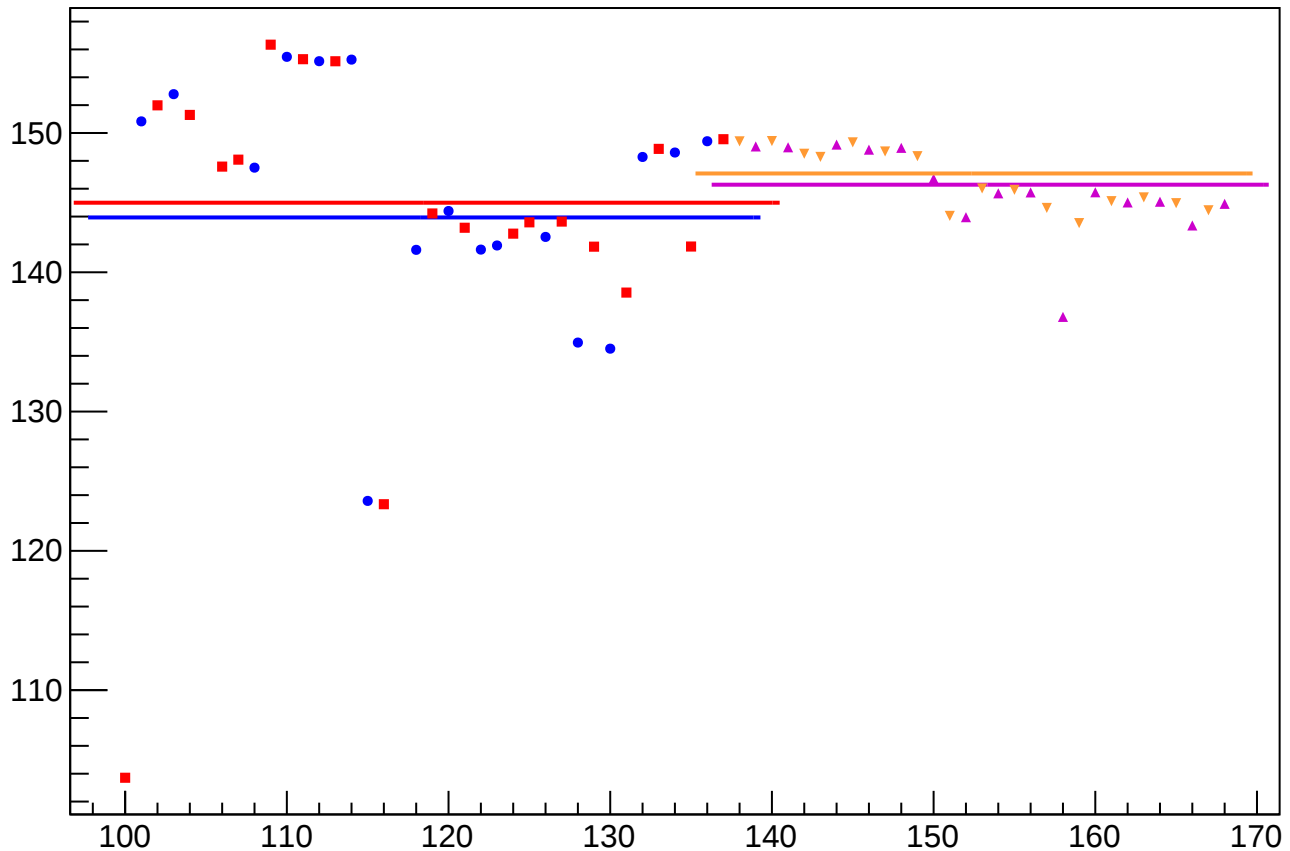
Left In: 0.419 ± 0.000 χ^2/NDF : 641513.5/14

+ sign 0.374 ± 0.000 χ^2/NDF : 2462355.0/32

All: 0.377 ± 0.000 χ^2/NDF : 4712478.3/66

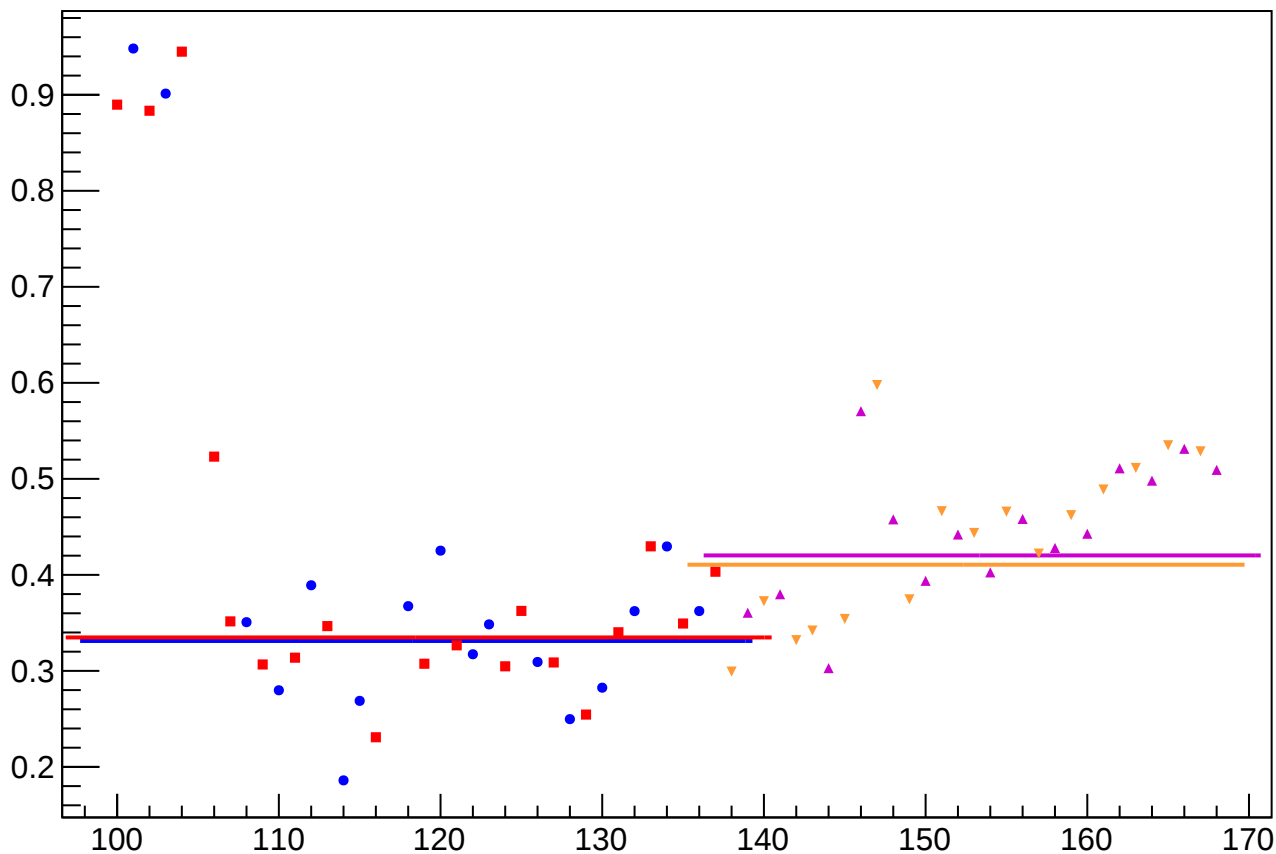
- sign 0.380 ± 0.000 χ^2/NDF : 2246607.8/33

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000	χ^2 /NDF: 3379203532.9/16	+ sign 145.714 $\pm$ 0.000	χ^2 /NDF: 3952787263.9/32
Left Out: 147.094 $\pm$ 0.000	χ^2 /NDF: 290209981.7/15	All: 145.705 $\pm$ 0.000	χ^2 /NDF: 8551978605.6
Right Out: 144.995 $\pm$ 0.000	χ^2 /NDF: 3934069043.2/18	- sign 145.697 $\pm$ 0.000	χ^2 /NDF: 4599174231.8/33
Left In: 146.288 $\pm$ 0.000	χ^2 /NDF: 617776287.9/14		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.411 ± 0.000 χ^2/NDF : 806706.6/15

Right Out: 0.335 ± 0.000 χ^2/NDF : 1172239.8/18

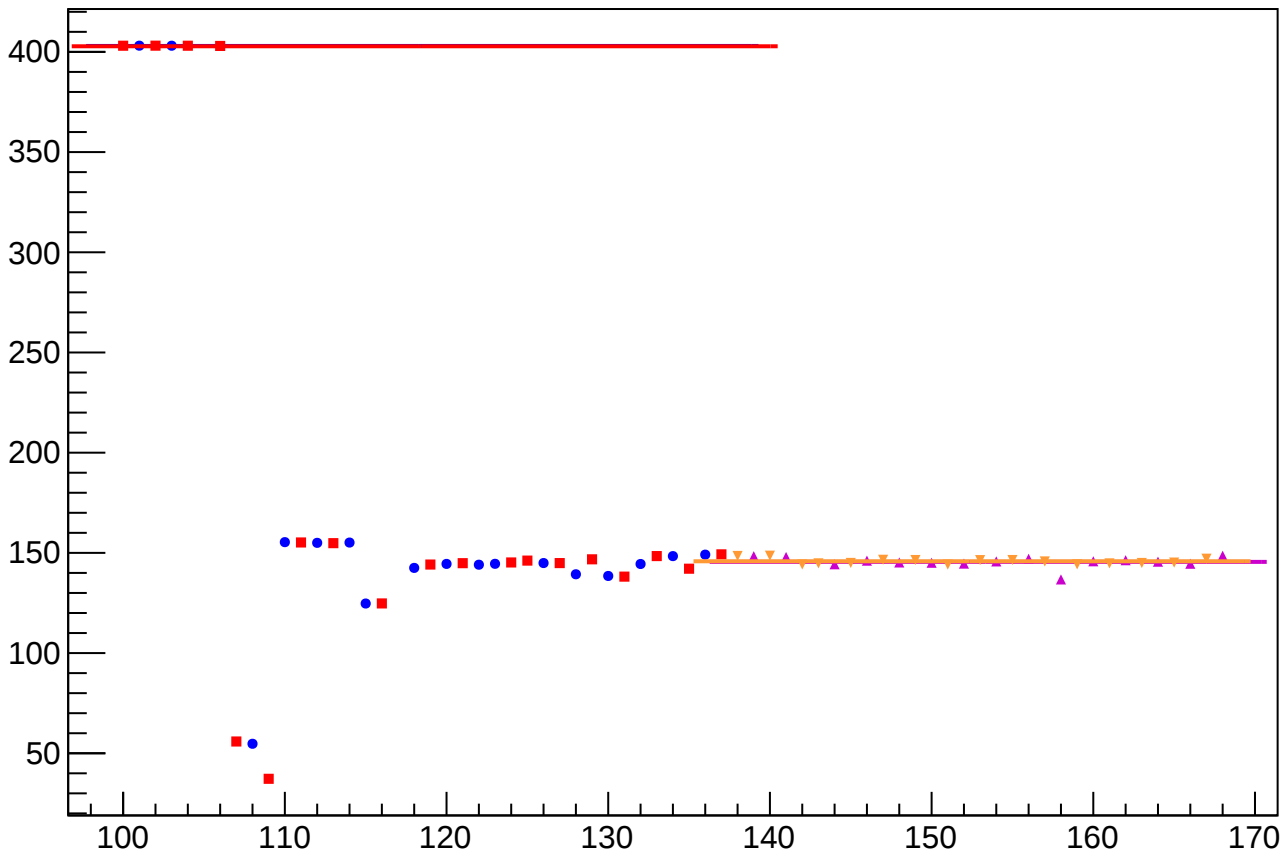
Left In: 0.420 ± 0.000 χ^2/NDF : 619555.1/14

+ sign 0.376 ± 0.000 χ^2/NDF : 2460952.5/32

All: 0.379 ± 0.000 χ^2/NDF : 4669050.2/66

- sign 0.381 ± 0.000 χ^2/NDF : 2204835.8/33

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 145.807+/-0.000 χ^2/NDF :44279120.4/15

Right Out: 402.799+/-0.000 χ^2/NDF : 3103890772575.4/18

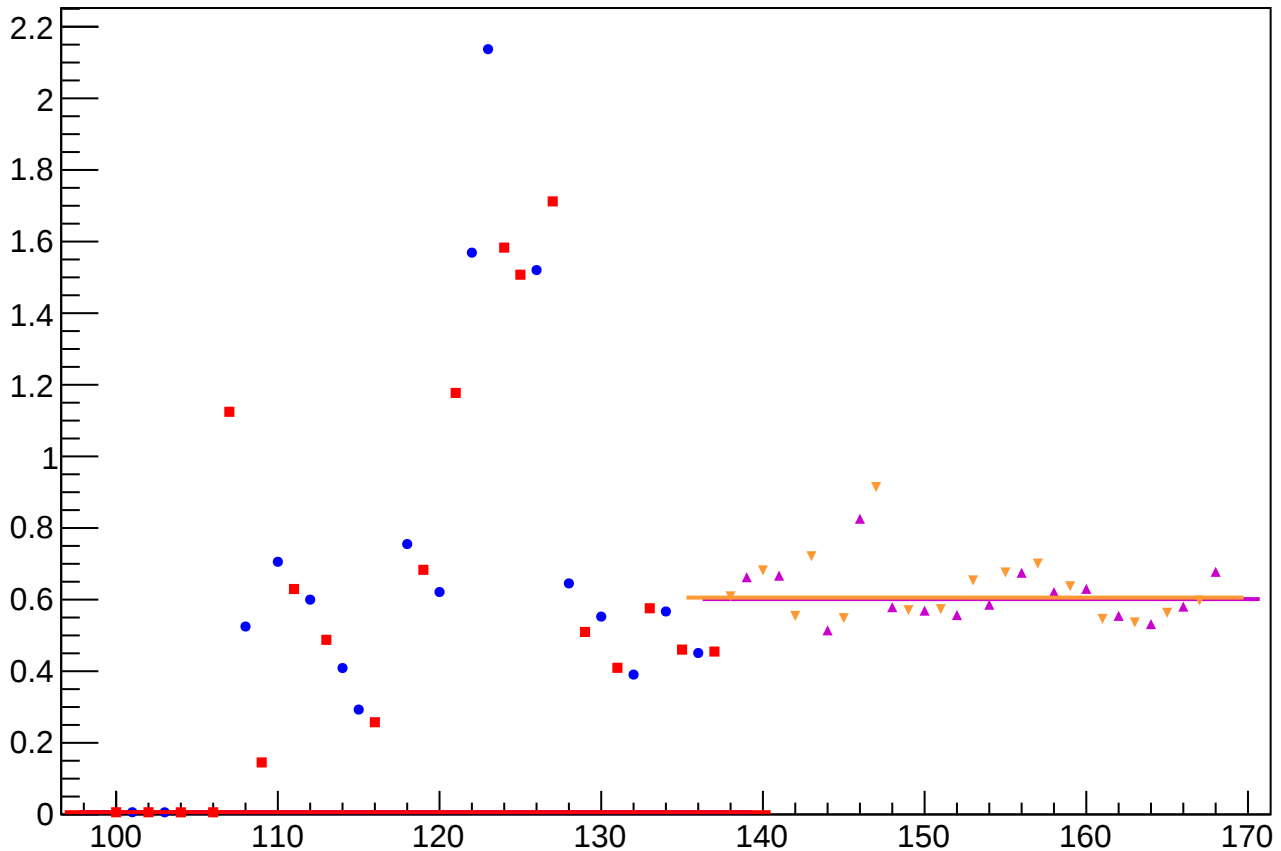
Left In: 145.504+/-0.000 χ^2/NDF :147491715.4/14

$$+ \text{sign } 402.766 \pm 0.000 \quad \chi^2/\text{NDF: } 2629250407999.0$$

All: 402.693+/-0.000 χ^2/NDF : 728191170153

- sign 402.628+/-0.000 χ^2/NDF : 4652345895669.3/

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.606+/-0.000 χ^2/NDF :255524.1/15

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

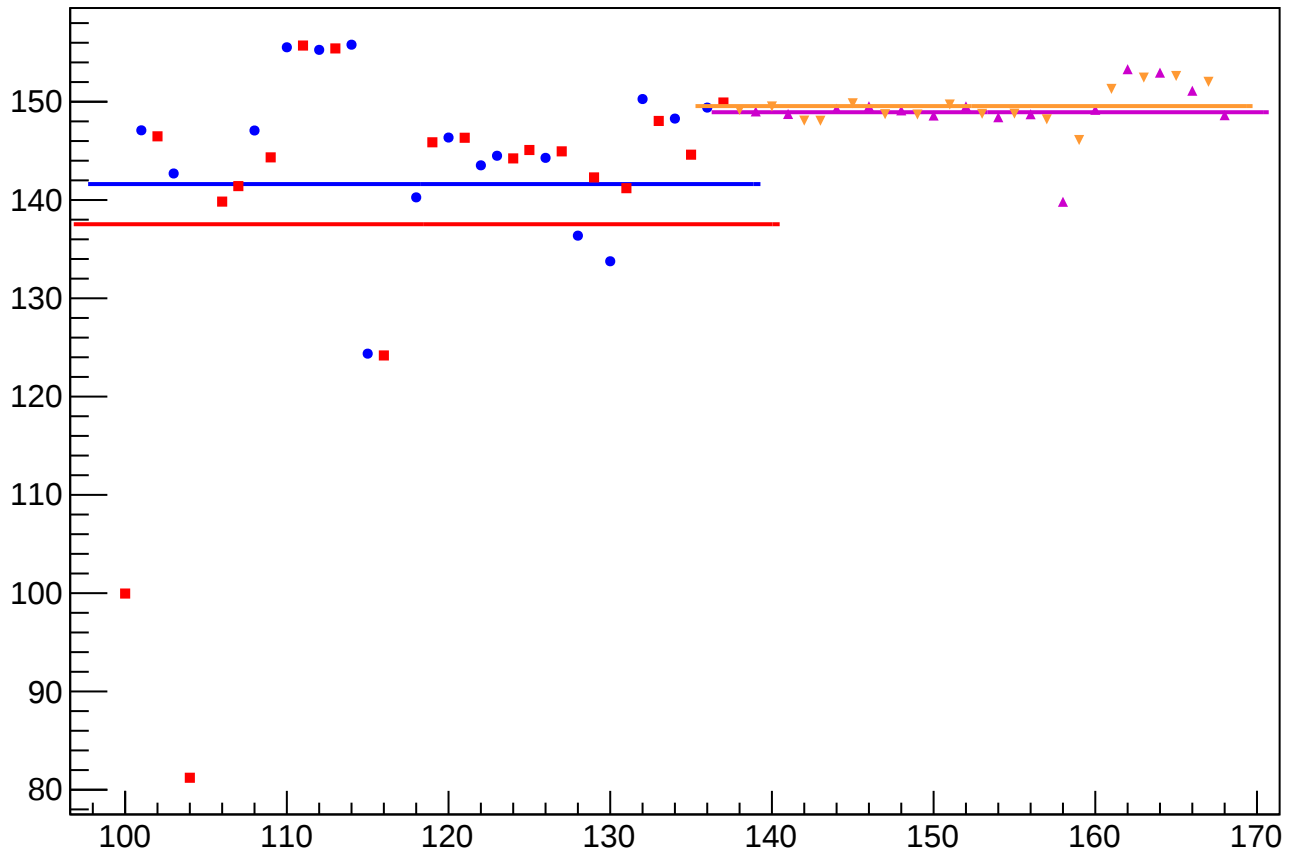
Left In: 0.601+/-0.000 χ^2/NDF :210022.5/14

+ sign 0.007+/-0.000 χ^2/NDF : 26062888.2/32

All: 0.007+/-0.000 χ^2/NDF : 52049057.9/66

- sign 0.007+/-0.000 χ^2/NDF : 25986040.5/33

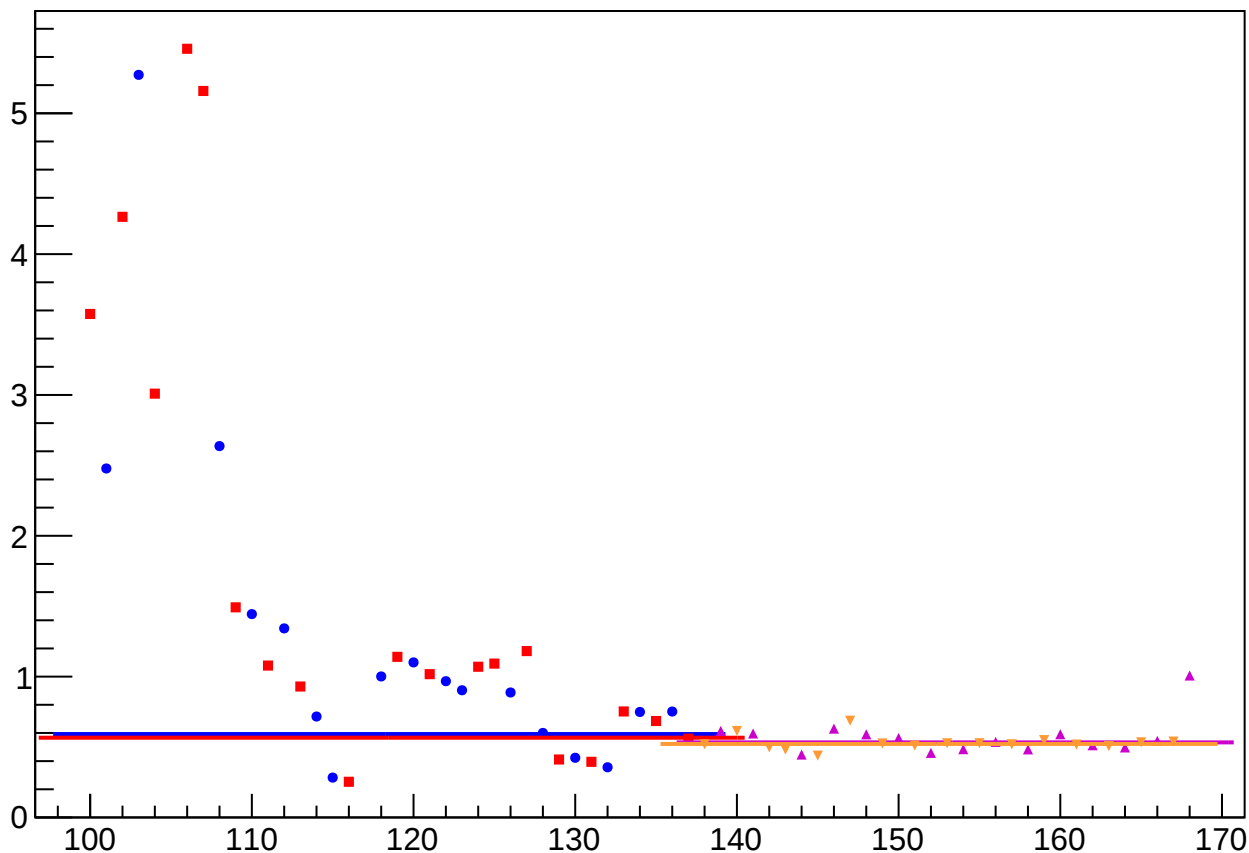
yield_cav4cQ_mean vs Slug



Right In: 141.622 ± 0.000 χ^2/NDF : 982037737.7/16
 Left Out: 149.556 ± 0.000 χ^2/NDF : 119006531.1/15
 Right Out: 137.536 ± 0.000 χ^2/NDF : 1315768553.6/18
 Left In: 148.932 ± 0.000 χ^2/NDF : 363121639.1/14

+ sign 147.902 ± 0.000 χ^2/NDF : 1605261026.6/32
 All: 147.128 ± 0.000 χ^2/NDF : 4406313231.7
 - sign 146.315 ± 0.000 χ^2/NDF : 2741394421.0/33

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.522 $\pm$ 0.000 χ^2 /NDF:171472.2/15

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4682140.9/18

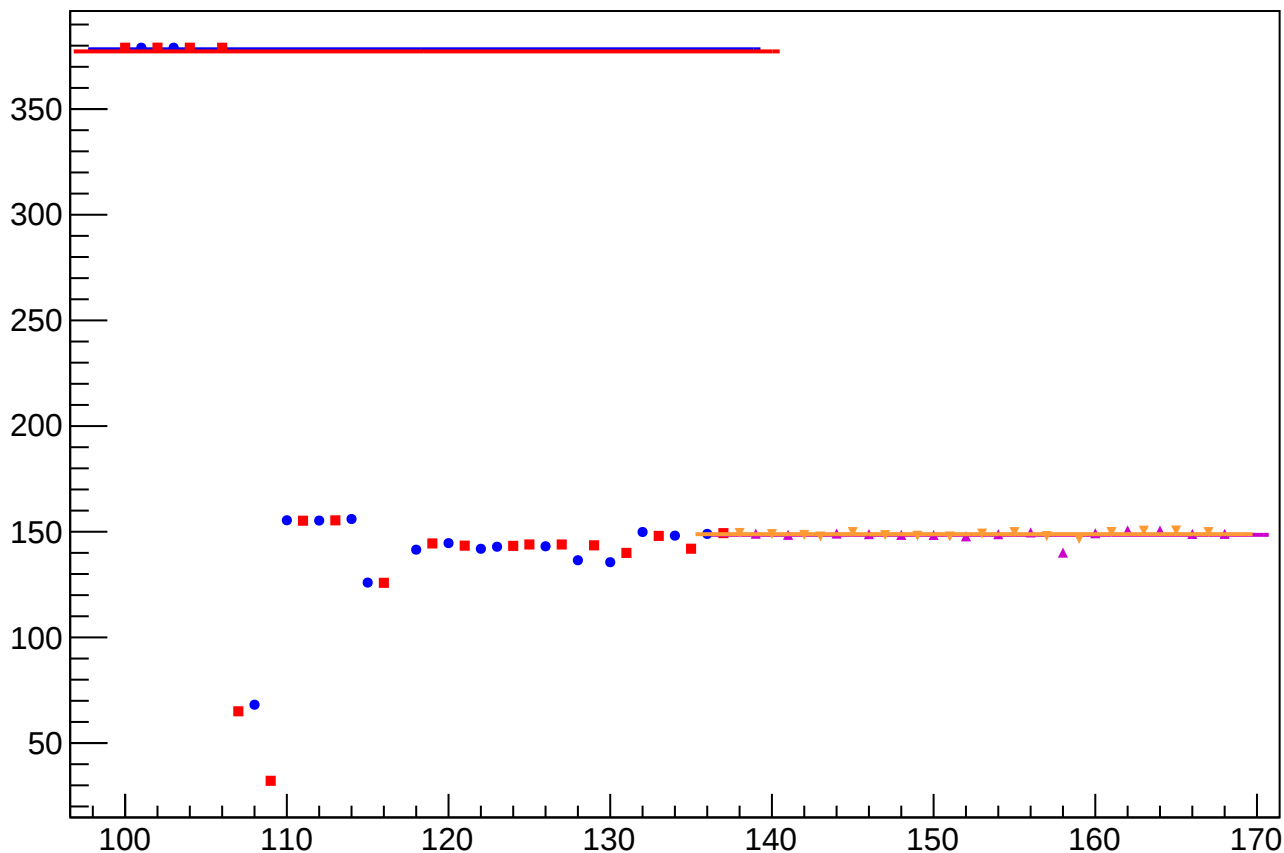
Left In: 0.533 $\pm$ 0.000 χ^2 /NDF:544395.5/14

+ sign 0.537 $\pm$ 0.000 χ^2 /NDF: 3772139.3/32

All: 0.539 $\pm$ 0.000 χ^2 /NDF: 9017358.8/66

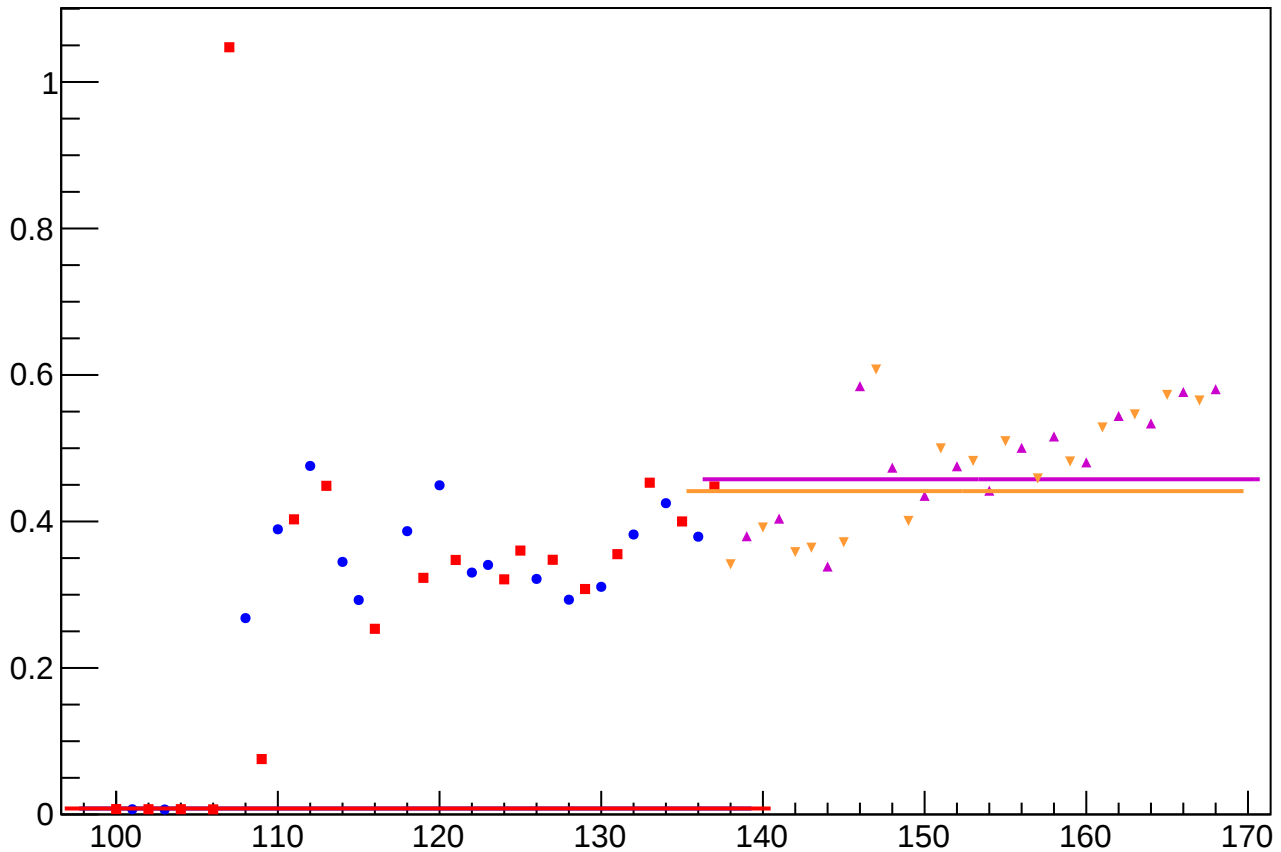
- sign 0.541 $\pm$ 0.000 χ^2 /NDF: 5244445.6/33

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2 /NDF: 2512261599188.1/16
 Left Out: 148.836+/-0.000 χ^2 /NDF: 59897736.4/15
 Right Out: 377.289+/-0.000 χ^2 /NDF: 8279468194444.1/18
 Left In: 148.531+/-0.000 χ^2 /NDF: 233424625.0/14

yield_cav4dQ_rms vs Slug



Right In: 0.008 ± 0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.441 ± 0.000 χ^2/NDF : 731388.2/15

Right Out: 0.008 ± 0.000 χ^2/NDF : 9535410.6/18

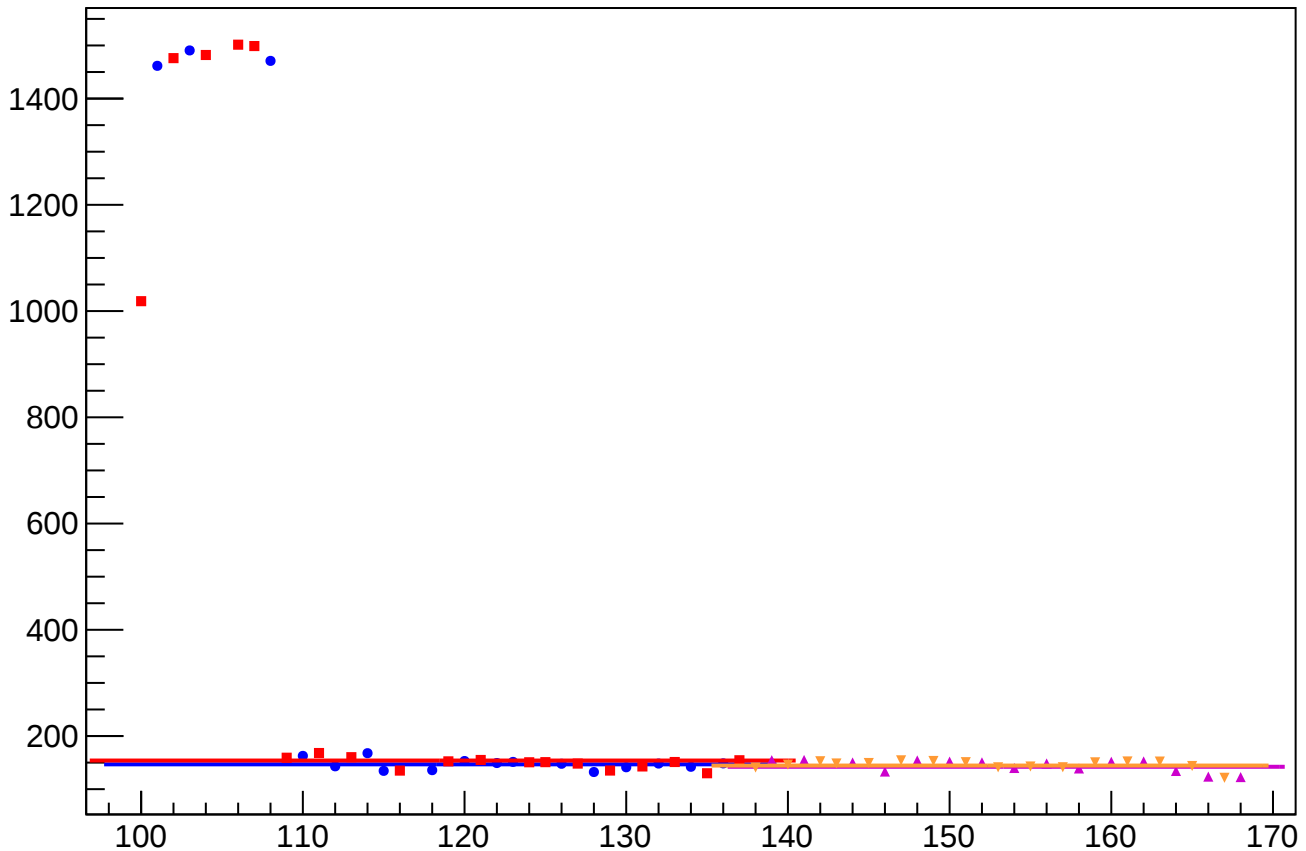
Left In: 0.458 ± 0.000 χ^2/NDF : 593322.0/14

+ sign 0.010 ± 0.000 χ^2/NDF : 31939107.4/32

All: 0.010 ± 0.000 χ^2/NDF : 63278732.6/66

- sign 0.010 ± 0.000 χ^2/NDF : 31338556.2/33

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 144.429+/-0.000 χ^2/NDF : 1167220985.9/15

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

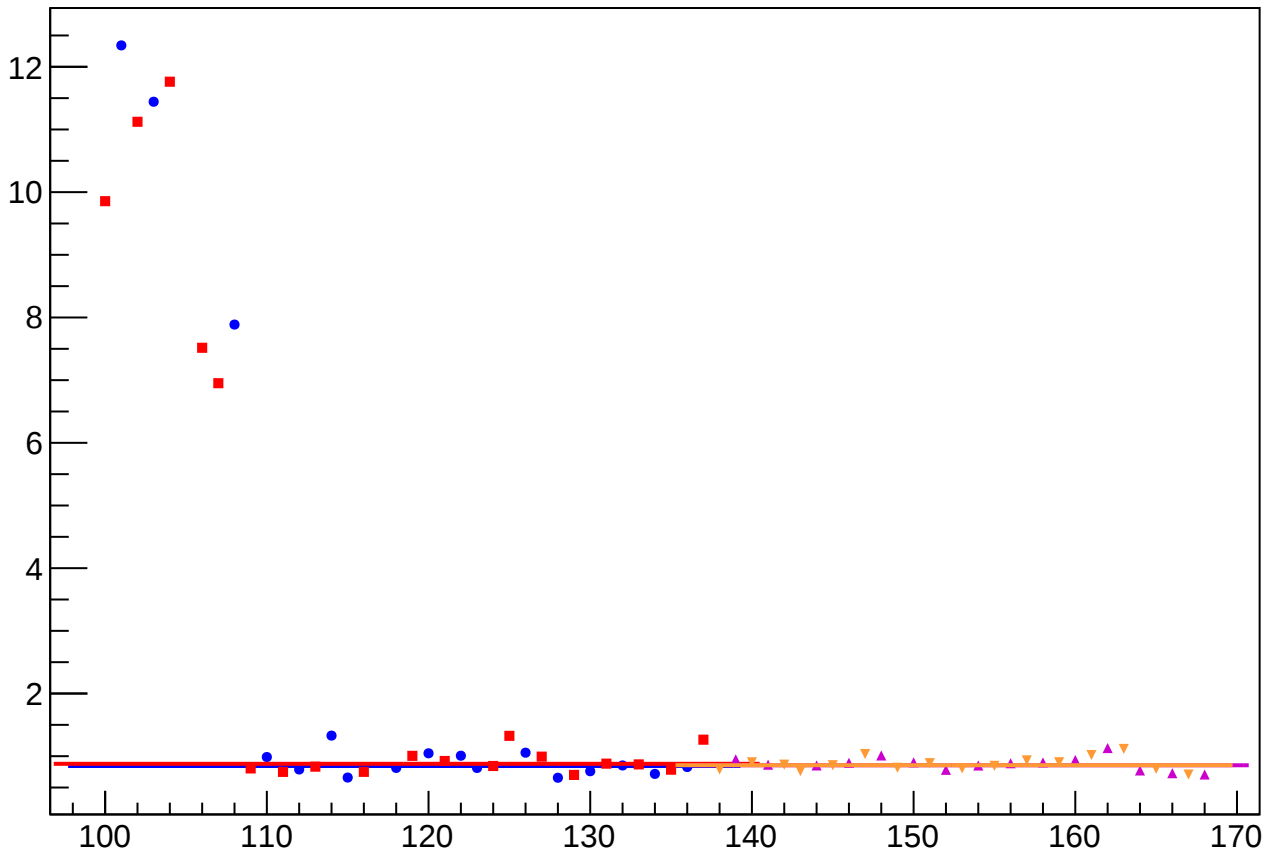
Left In: 142.133+/-0.000 χ^2/NDF : 1769687290.6/14

+ sign 145.101+/-0.000 χ^2/NDF : 25538007307.9/32

All: 145.316+/-0.000 χ^2/NDF : 61567236558.0

- sign 145.530+/-0.000 χ^2/NDF : 36027546751.1/33

yield_bcm0l02_rms vs Slug



Right In: 0.844 ± 0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.856 ± 0.000 χ^2/NDF : 262236.6/15

Right Out: 0.878 ± 0.000 χ^2/NDF : 2812500.6/18

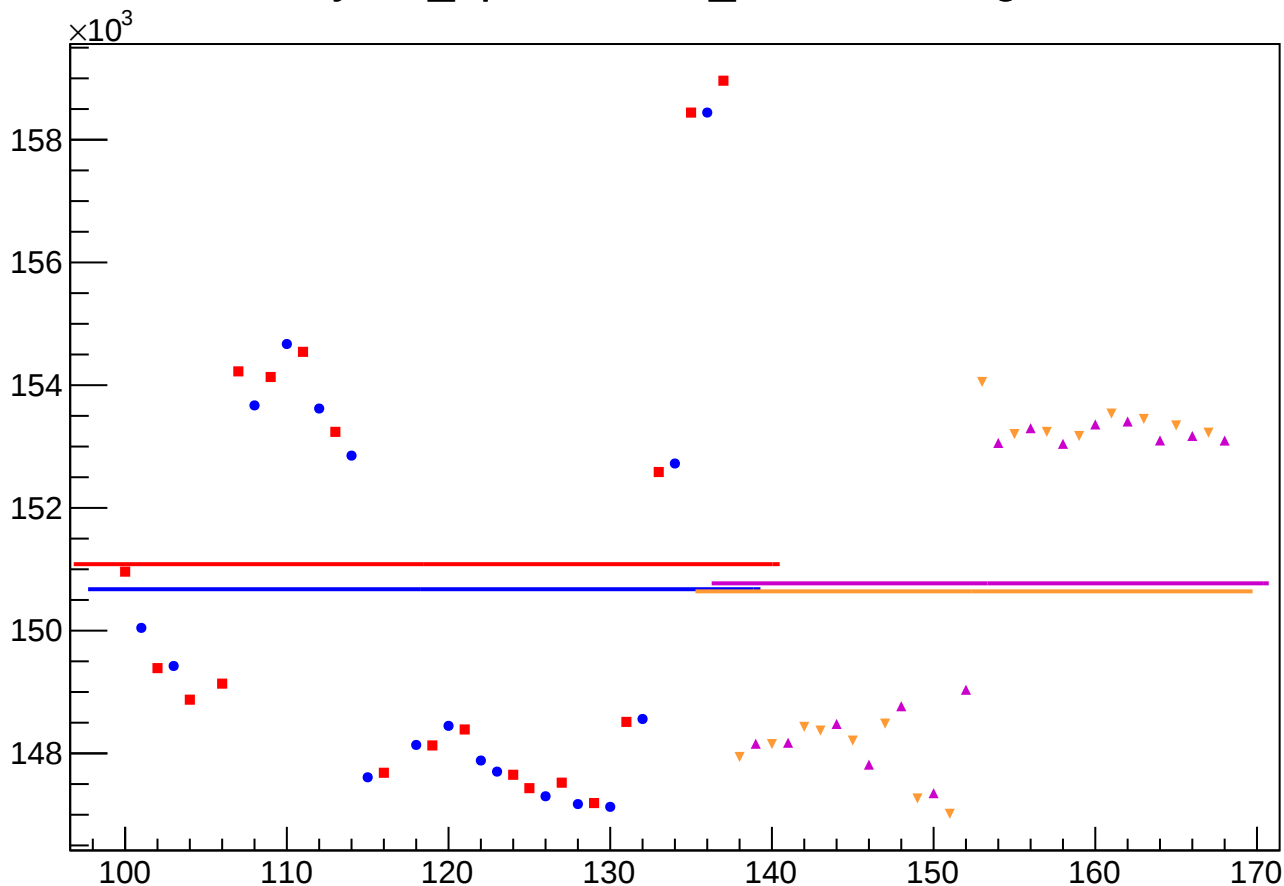
Left In: 0.855 ± 0.000 χ^2/NDF : 267727.0/14

+ sign 0.852 ± 0.000 χ^2/NDF : 2933874.9/32

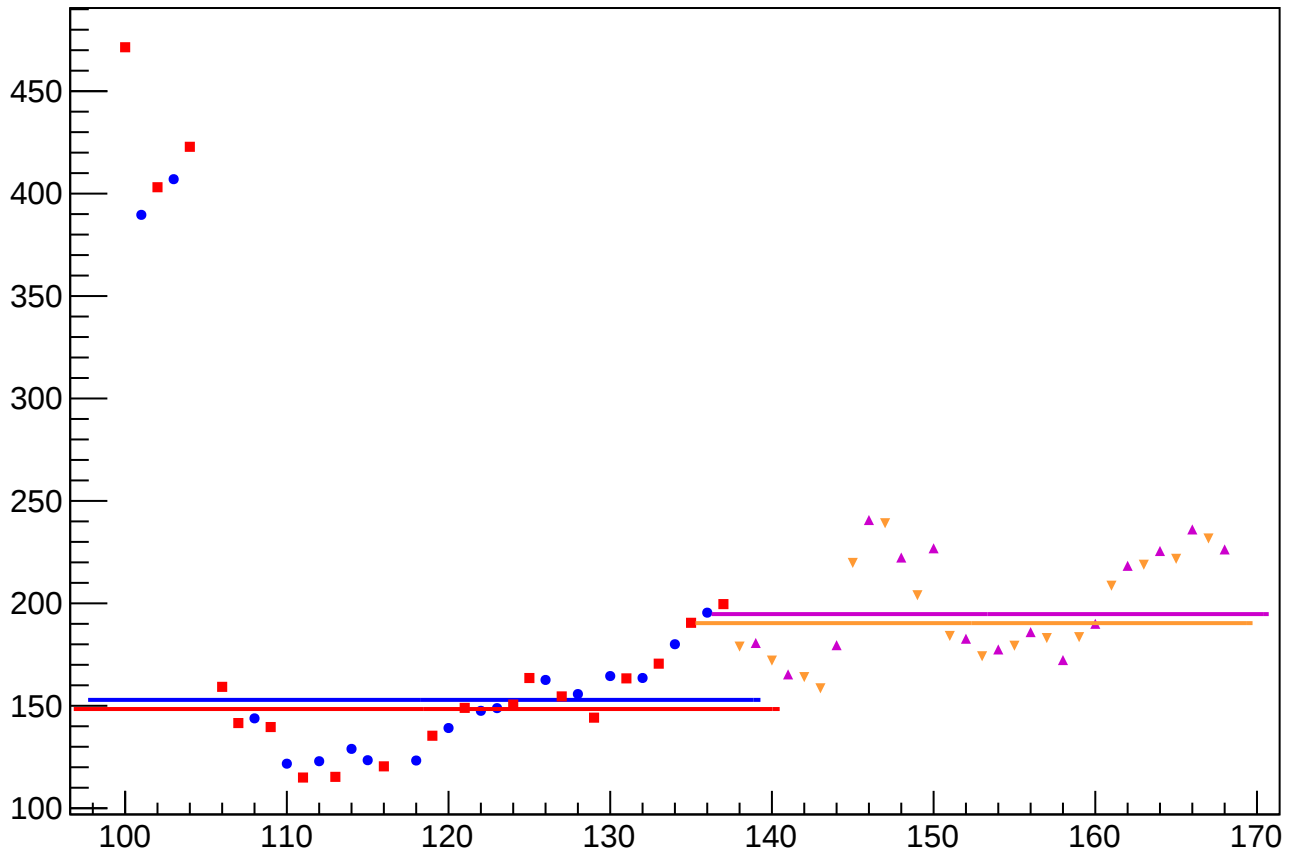
All: 0.857 ± 0.000 χ^2/NDF : 6019784.4/66

- sign 0.862 ± 0.000 χ^2/NDF : 3084313.5/33

yield_bpm0i01WS_mean vs Slug



yield_bpm0i01WS_rms vs Slug



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 190.346 $\pm$ 0.040 χ^2 /NDF:333094.0/15

Right Out: 148.418 $\pm$ 0.042 χ^2 /NDF: 1191577.6/18

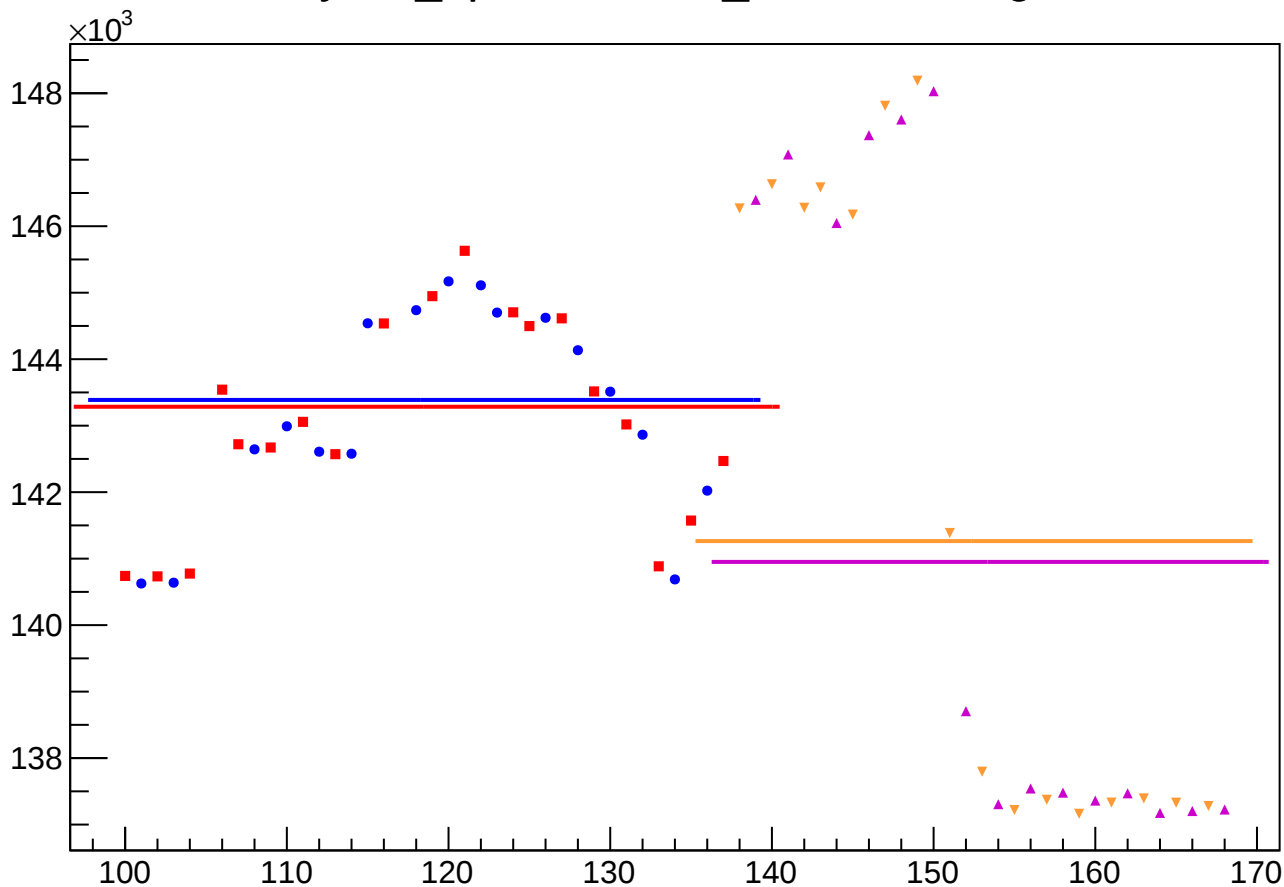
Left In: 194.755 $\pm$ 0.041 χ^2 /NDF:349993.4/14

+ sign 173.810 $\pm$ 0.030 χ^2 /NDF: 1882718.5/32

All: 173.073 $\pm$ 0.021 χ^2 /NDF: 4047874.8/66

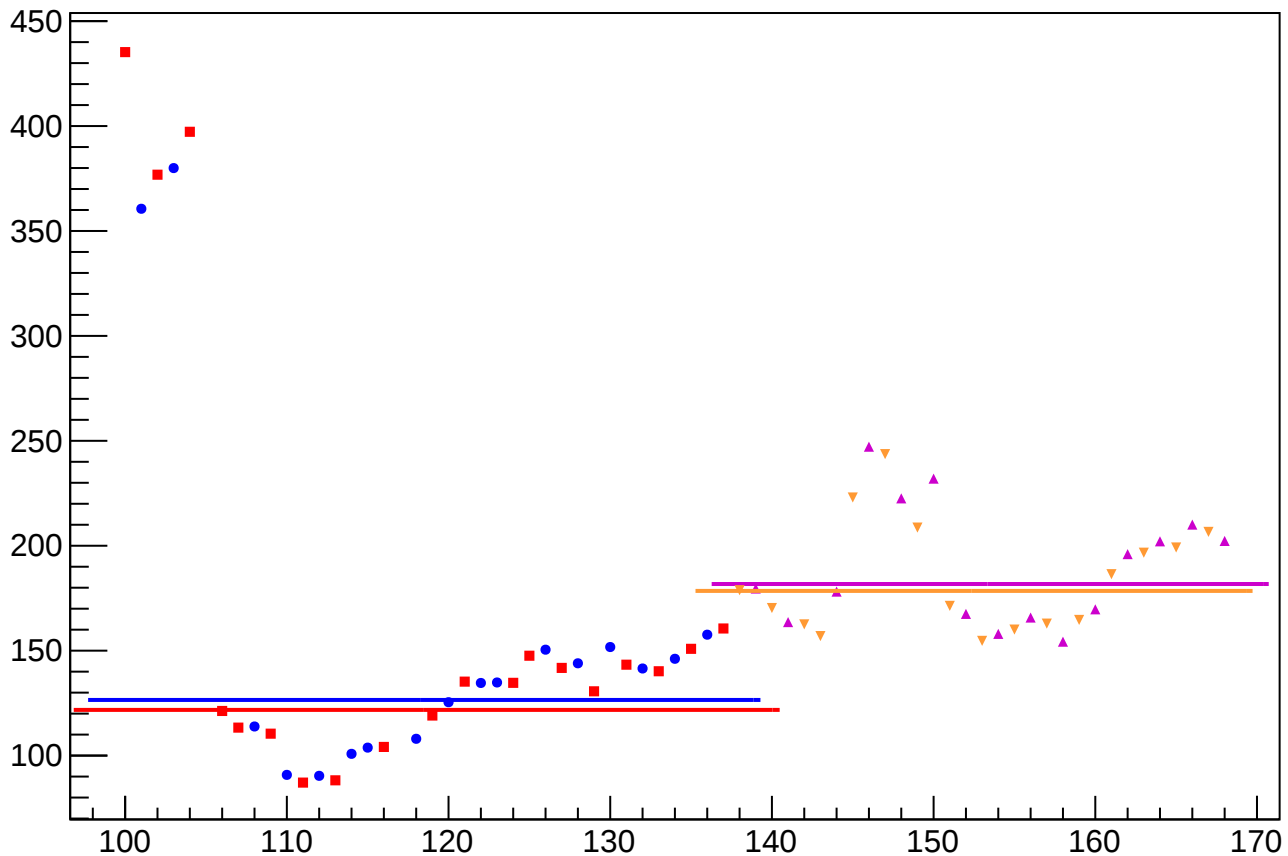
- sign 172.346 $\pm$ 0.029 χ^2 /NDF: 2163922.6/33

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099+/-0.053	χ^2/NDF : 521299875.7/16	+ sign 142322.847+/-0.037	χ^2/NDF : 8601014203.3
Left Out: 141264.224+/-0.053	χ^2/NDF : 7266969813.5/15	All: 142275.308+/-0.026	χ^2/NDF : 173325594
Right Out: 143284.757+/-0.049	χ^2/NDF : 608634820.1/18	- sign 142229.995+/-0.036	χ^2/NDF : 8728360905.4/14
Left In: 140950.953+/-0.054	χ^2/NDF : 7098684544.1/14		

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 178.477 $\pm$ 0.037 χ^2 /NDF:384137.2/15

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

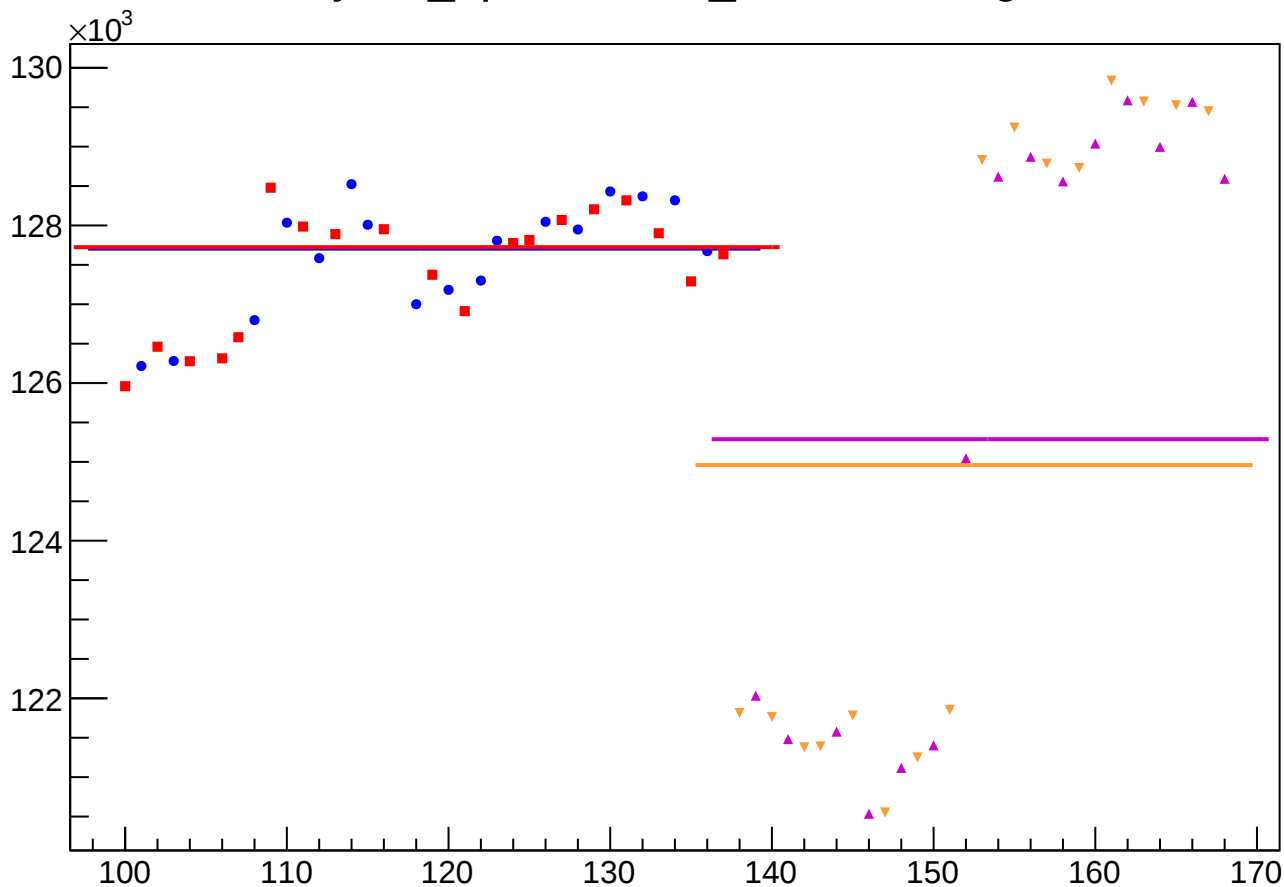
Left In: 181.765 $\pm$ 0.038 χ^2 /NDF:444729.6/14

+ sign 152.564 $\pm$ 0.026 χ^2 /NDF: 2799730.5/32

All: 150.681 $\pm$ 0.018 χ^2 /NDF: 6067693.0/66

- sign 148.886 $\pm$ 0.026 χ^2 /NDF: 3257967.9/33

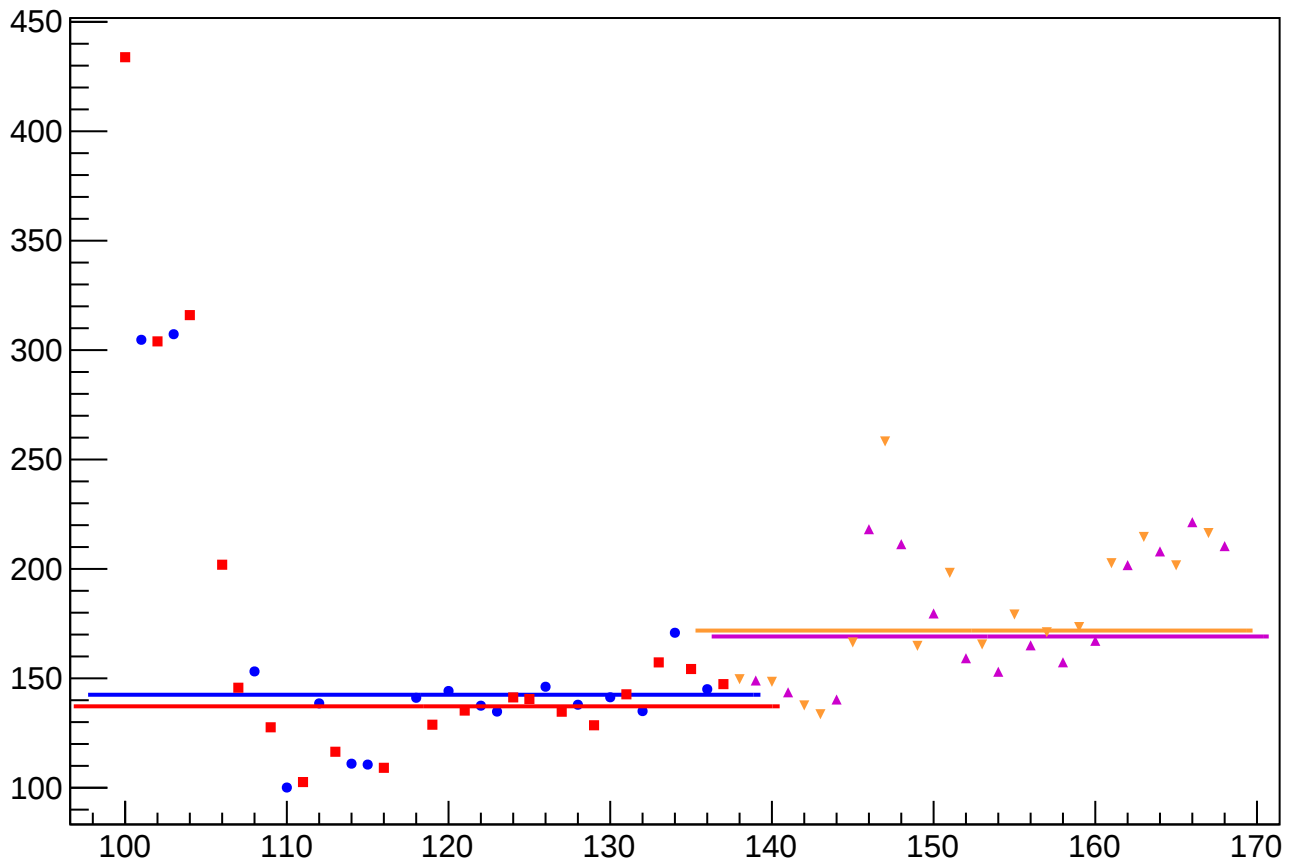
yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 ± 0.058 $\chi^2/\text{NDF}: 97860521.1/16$
 Left Out: 124959.387 ± 0.051 $\chi^2/\text{NDF}: 5518790182.8/15$
 Right Out: 127724.256 ± 0.055 $\chi^2/\text{NDF}: 112614317.2/18$
 Left In: 125287.956 ± 0.051 $\chi^2/\text{NDF}: 4980075711.3/14$

+ sign 126162.558 ± 0.038 $\chi^2/\text{NDF}: 6874504075.0$
 All: 126294.050 ± 0.027 $\chi^2/\text{NDF}: 130612505$
 - sign 126416.725 ± 0.037 $\chi^2/\text{NDF}: 6164111508.3/14$

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 171.835 $\pm$ 0.036 χ^2 /NDF: 620490.4/15

Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

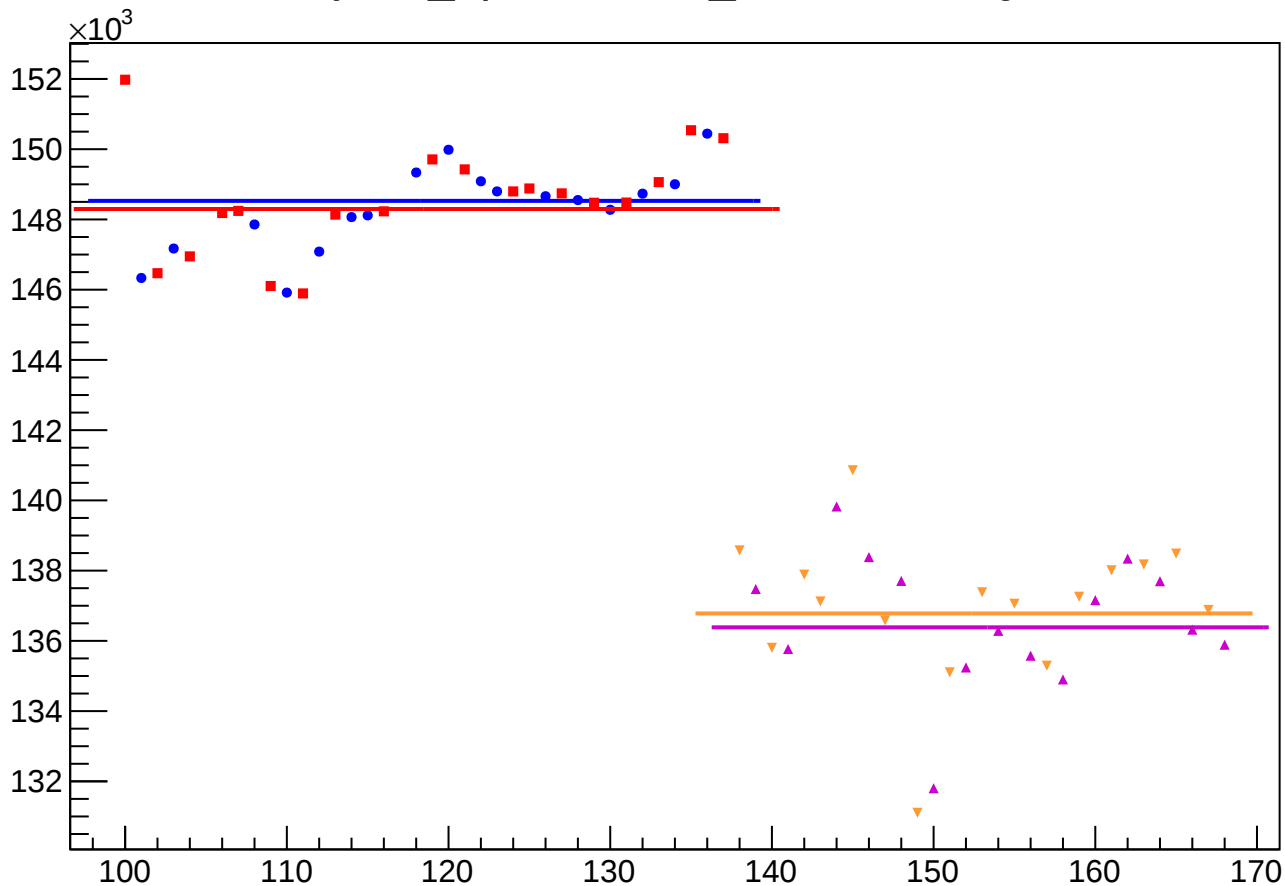
Left In: 169.127 $\pm$ 0.036 χ^2 /NDF: 533271.7/14

+ sign 158.986 $\pm$ 0.027 χ^2 /NDF: 1743649.5/32

All: 156.583 $\pm$ 0.019 χ^2 /NDF: 3617105.1/66

- sign 154.340 $\pm$ 0.026 χ^2 /NDF: 1858331.1/33

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 136781.071 $\pm$ 0.075 χ^2 /NDF: 829723489.6/15

Right Out: 148297.126 $\pm$ 0.076 χ^2 /NDF: 293244556.5/18

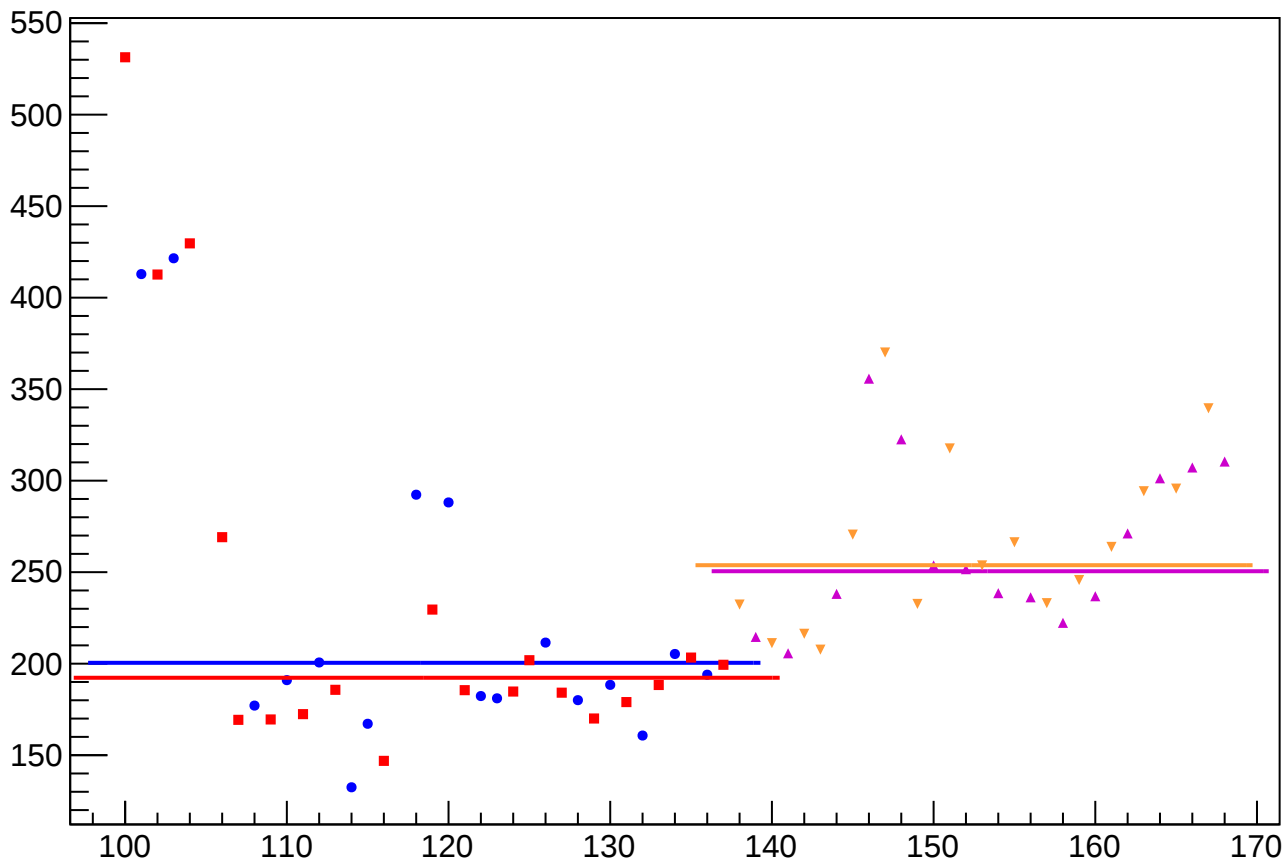
Left In: 136385.453 $\pm$ 0.075 χ^2 /NDF: 639565223.7/14

+ sign 142148.750 $\pm$ 0.055 χ^2 /NDF: 12167440765.

All: 142180.669 $\pm$ 0.038 χ^2 /NDF: 255189529

- sign 142210.281 $\pm$ 0.053 χ^2 /NDF: 13350874007.2

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 253.807 $\pm$ 0.053 χ^2 /NDF: 567499.4/15

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

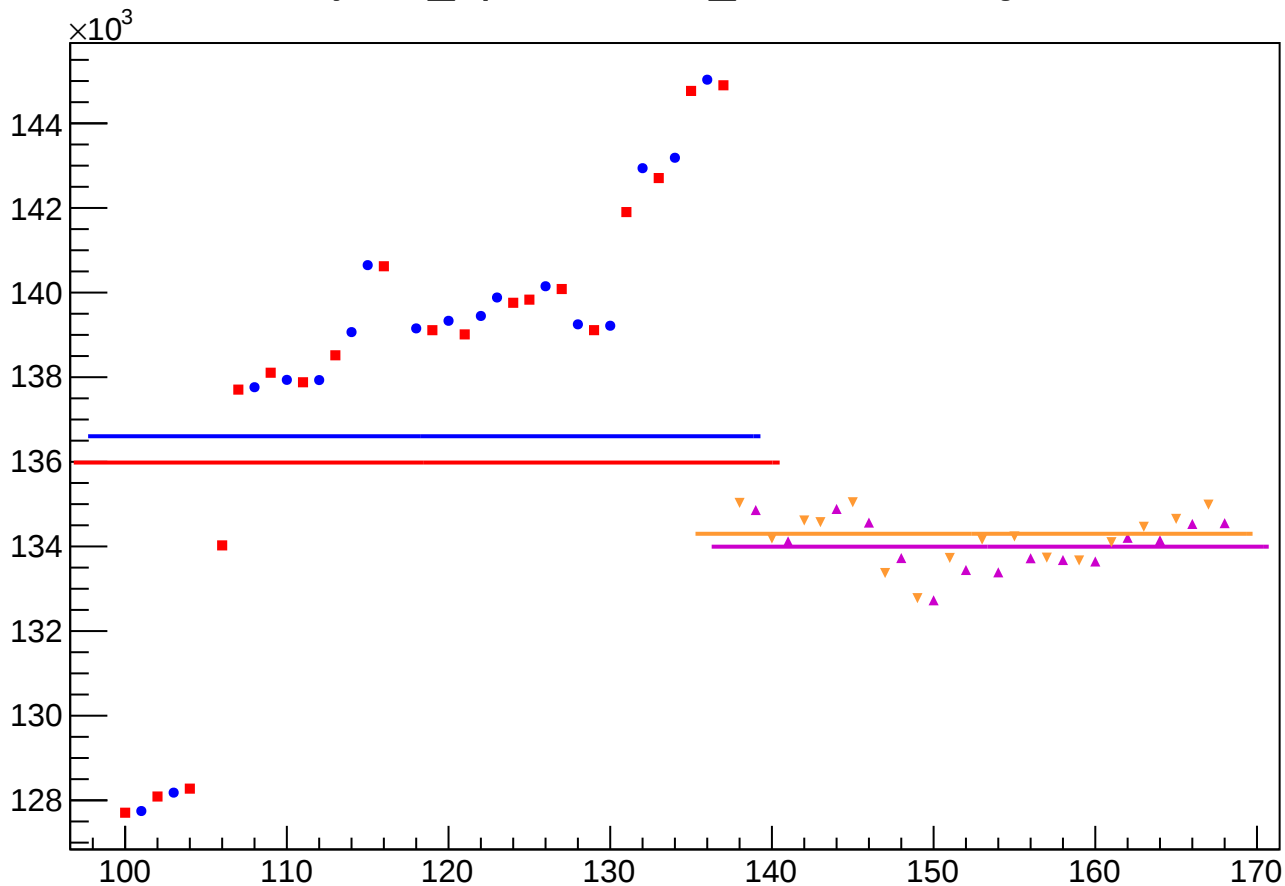
Left In: 250.517 $\pm$ 0.053 χ^2 /NDF: 517898.2/14

+ sign 229.438 $\pm$ 0.039 χ^2 /NDF: 1962758.2/32

All: 225.606 $\pm$ 0.027 χ^2 /NDF: 3936719.2/66

- sign 222.051 $\pm$ 0.038 χ^2 /NDF: 1955566.5/33

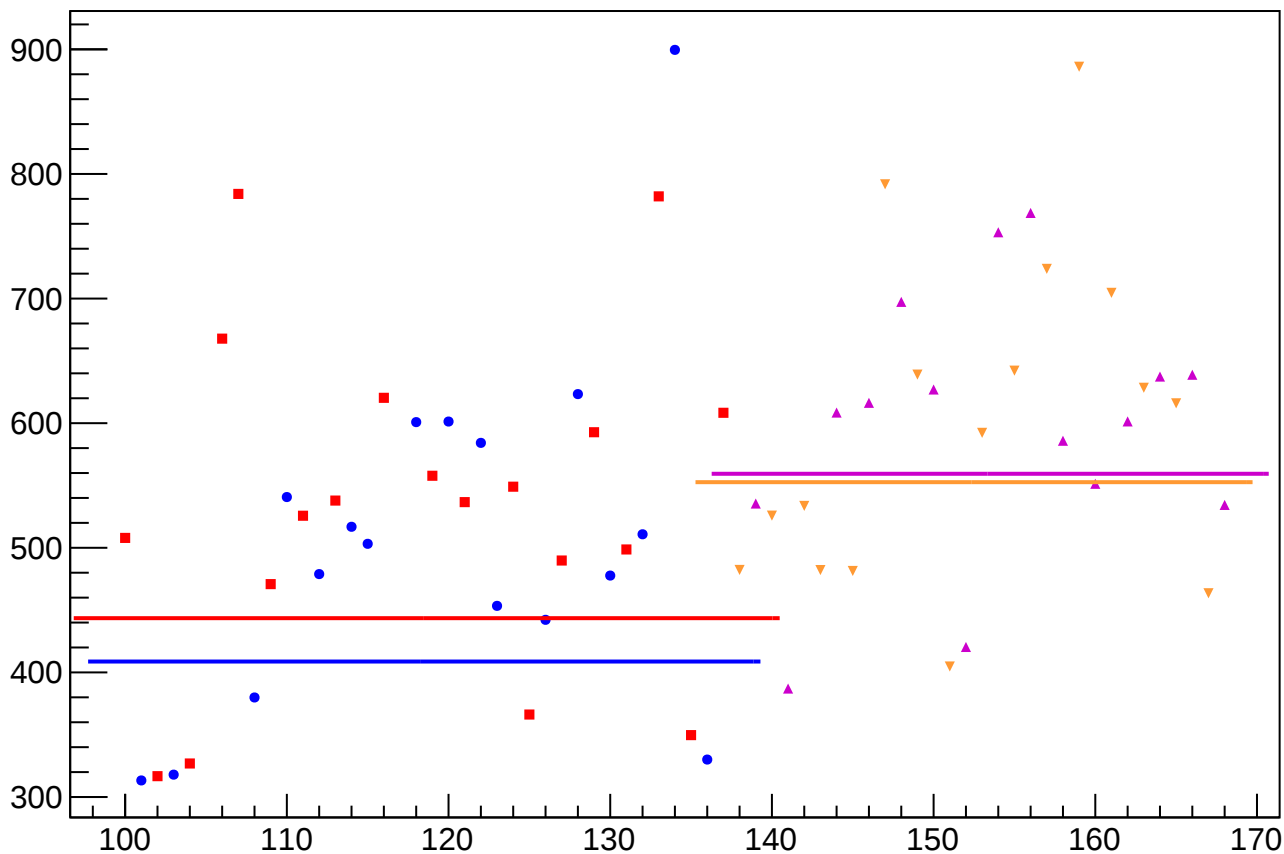
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 ± 0.171 $\chi^2/\text{NDF}: 1494354557.3/16$
 Left Out: 134299.660 ± 0.173 $\chi^2/\text{NDF}: 12815227.7/15$
 Right Out: 135982.842 ± 0.183 $\chi^2/\text{NDF}: 1082431147.9/18$
 Left In: 133994.751 ± 0.180 $\chi^2/\text{NDF}: 10352538.7/14$

+ sign 135461.527 ± 0.122 $\chi^2/\text{NDF}: 1596816452.6$
 All: 135230.482 ± 0.088 $\chi^2/\text{NDF}: 275729372$
 - sign 134974.100 ± 0.128 $\chi^2/\text{NDF}: 1152875793.5$

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 552.659 $\pm$ 0.122 χ^2 /NDF: 879367.7/15

Right Out: 443.521 $\pm$ 0.129 χ^2 /NDF: 917492.4/18

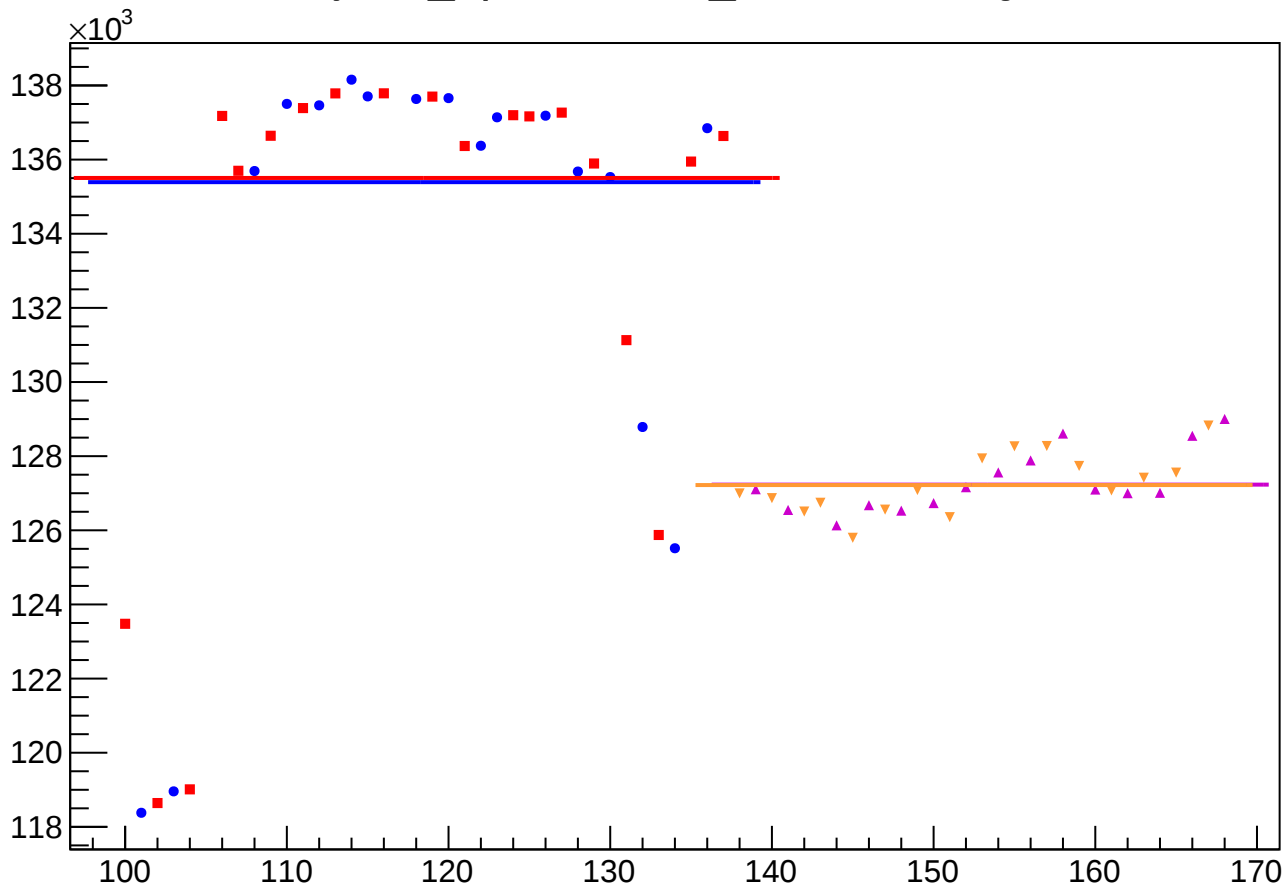
Left In: 559.397 $\pm$ 0.127 χ^2 /NDF: 740442.3/14

+ sign 480.108 $\pm$ 0.086 χ^2 /NDF: 2401720.0/32

All: 490.635 $\pm$ 0.062 χ^2 /NDF: 4499491.0/66

- sign 502.315 $\pm$ 0.091 χ^2 /NDF: 2066214.3/33

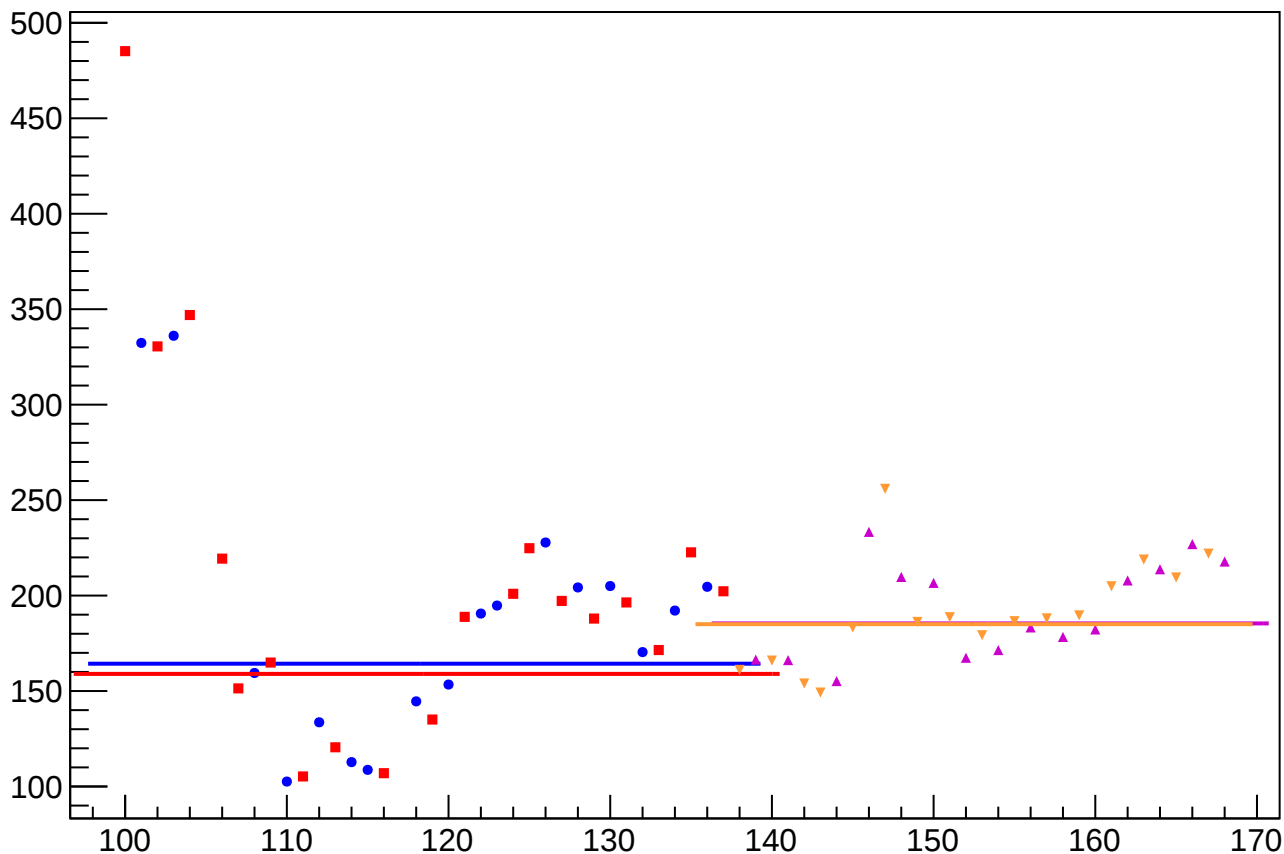
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 ± 0.068 $\chi^2/\text{NDF}: 4580024611.0/16$
 Left Out: 127220.467 ± 0.055 $\chi^2/\text{NDF}: 197491931.4/15$
 Right Out: 135504.836 ± 0.064 $\chi^2/\text{NDF}: 4730667469.8/18$
 Left In: 127232.038 ± 0.055 $\chi^2/\text{NDF}: 212225992.3/14$

+ sign 130413.293 ± 0.043 $\chi^2/\text{NDF}: 13506488110.0/15$
 All: 130575.979 ± 0.030 $\chi^2/\text{NDF}: 279995333.0/15$
 - sign 130732.734 ± 0.042 $\chi^2/\text{NDF}: 14464504939.2/15$

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 $\pm$ 0.048 χ^2 /NDF: 1230487.8/16

Left Out: 185.011 $\pm$ 0.039 χ^2 /NDF: 392601.5/15

Right Out: 158.977 $\pm$ 0.046 χ^2 /NDF: 1384059.2/18

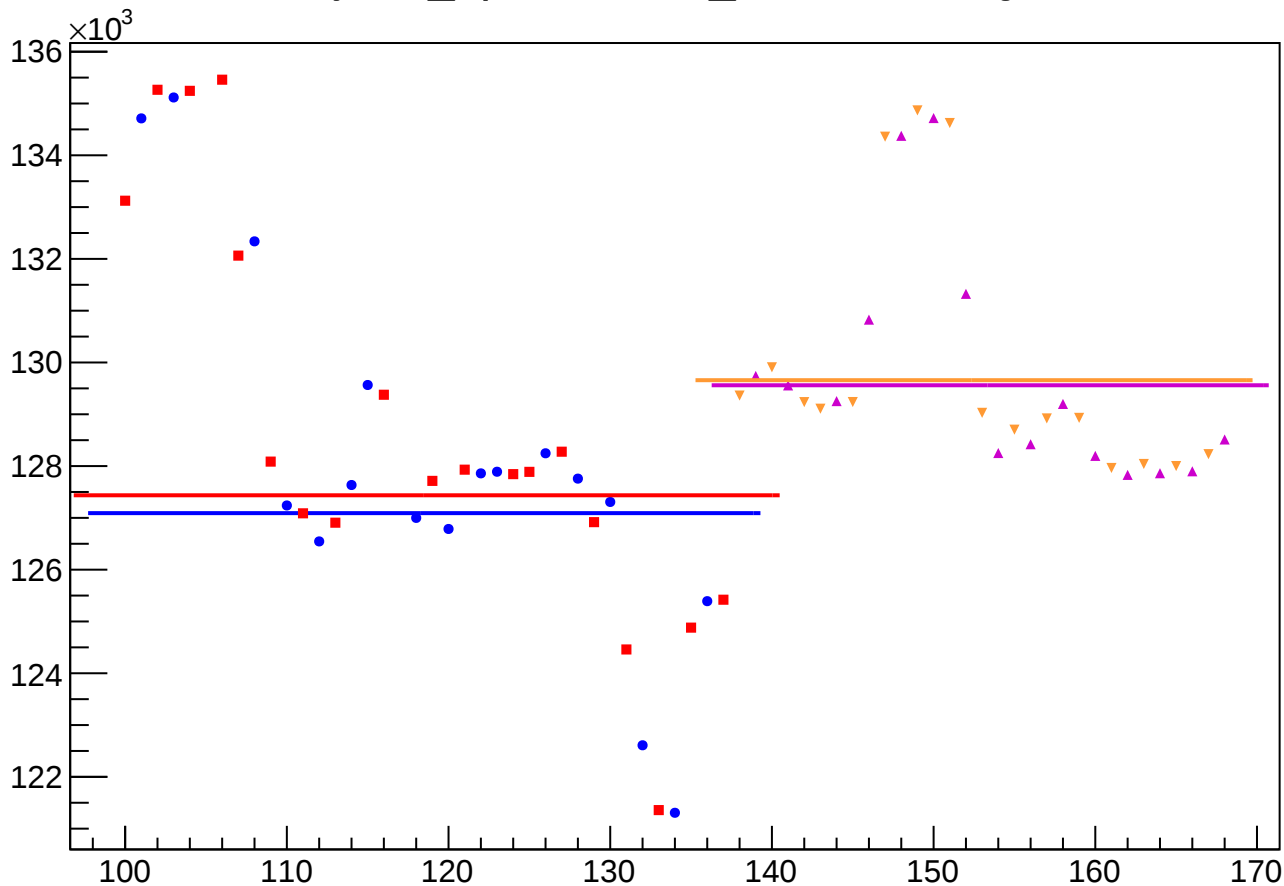
Left In: 185.413 $\pm$ 0.039 χ^2 /NDF: 353659.1/14

+ sign 176.923 $\pm$ 0.030 χ^2 /NDF: 1735132.1/32

All: 175.550 $\pm$ 0.021 χ^2 /NDF: 3671371.2/66

- sign 174.227 $\pm$ 0.030 χ^2 /NDF: 1932173.3/33

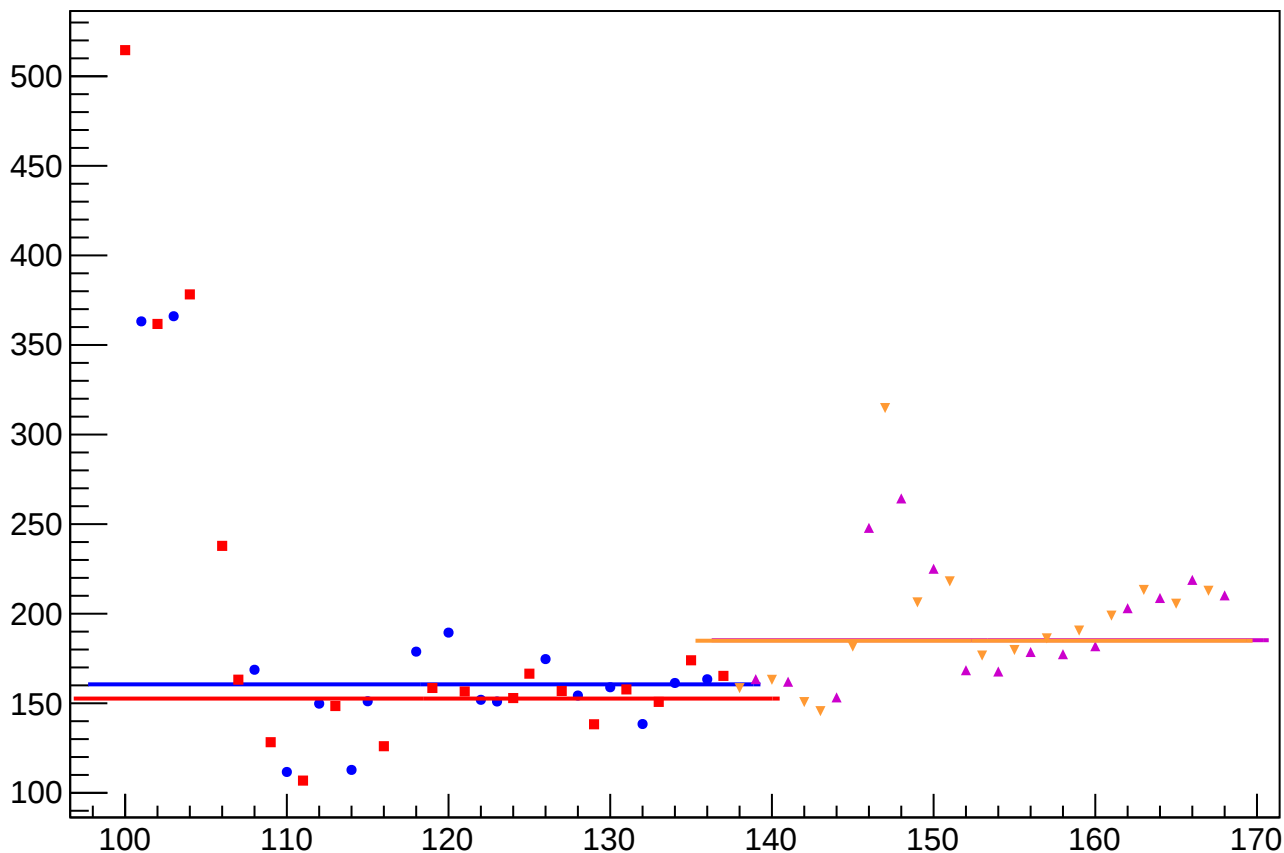
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$
 Left Out: 129658.037 ± 0.055 $\chi^2/\text{NDF}: 1320287937.2/15$
 Right Out: 127436.101 ± 0.062 $\chi^2/\text{NDF}: 2079075713.9/18$
 Left In: 129560.228 ± 0.055 $\chi^2/\text{NDF}: 1091681704.7/14$

+ sign 128611.389 ± 0.042 $\chi^2/\text{NDF}: 3924829050.8$
 All: 128610.894 ± 0.030 $\chi^2/\text{NDF}: 775413365$
 - sign 128610.427 ± 0.041 $\chi^2/\text{NDF}: 3829304343.4$

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 ± 0.047 χ^2/NDF : 942747.0/16

Left Out: 184.920 ± 0.039 χ^2/NDF : 598417.5/15

Right Out: 152.629 ± 0.044 χ^2/NDF : 1086504.4/18

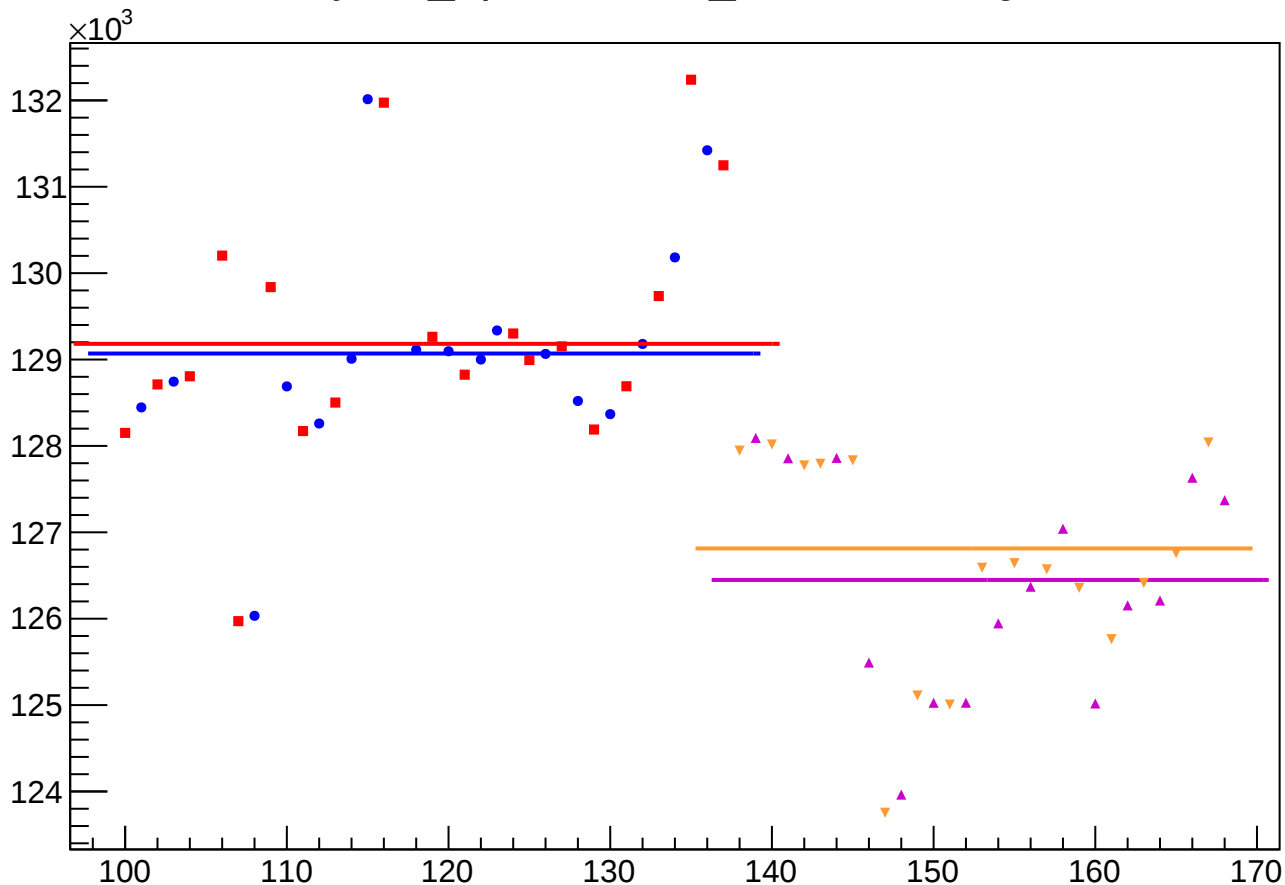
Left In: 185.200 ± 0.039 χ^2/NDF : 539825.5/14

+ sign 174.988 ± 0.030 χ^2/NDF : 1700988.2/32

All: 172.750 ± 0.021 χ^2/NDF : 3647866.3/66

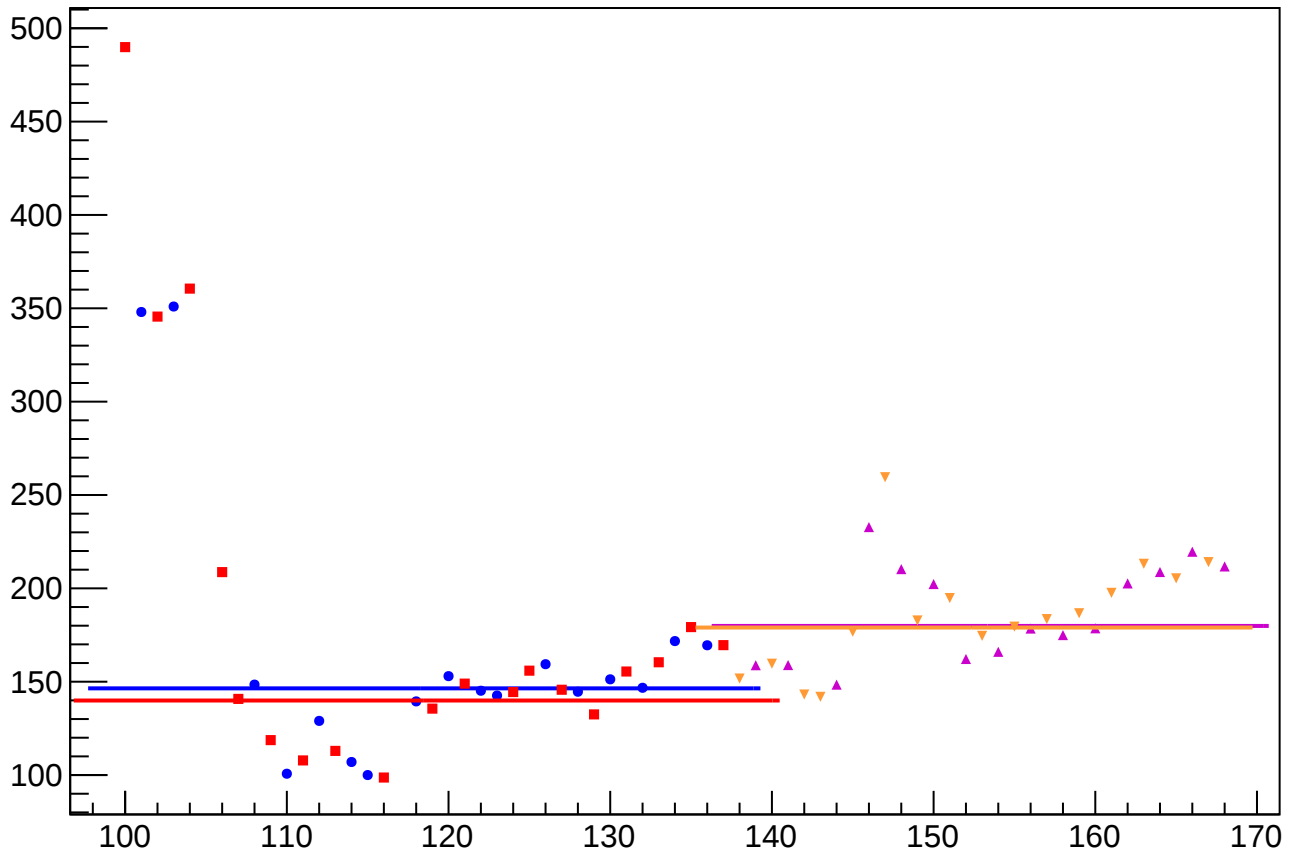
- sign 170.636 ± 0.029 χ^2/NDF : 1936013.0/33

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 $\pm$ 0.060	χ^2 /NDF: 476692316.5/16	+ sign 127799.323 $\pm$ 0.040	χ^2 /NDF: 1729609623.7
Left Out: 126813.243 $\pm$ 0.053	χ^2 /NDF: 461178814.3/15	All: 127775.136 $\pm$ 0.028	χ^2 /NDF: 41402533
Right Out: 129181.887 $\pm$ 0.056	χ^2 /NDF: 625597399.6/18	- sign 127752.197 $\pm$ 0.039	χ^2 /NDF: 2409923314.1
Left In: 126448.675 $\pm$ 0.054	χ^2 /NDF: 542324814.6/14		

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 179.009 $\pm$ 0.037 χ^2 /NDF: 488156.7/15

Right Out: 139.929 $\pm$ 0.040 χ^2 /NDF: 1203570.9/18

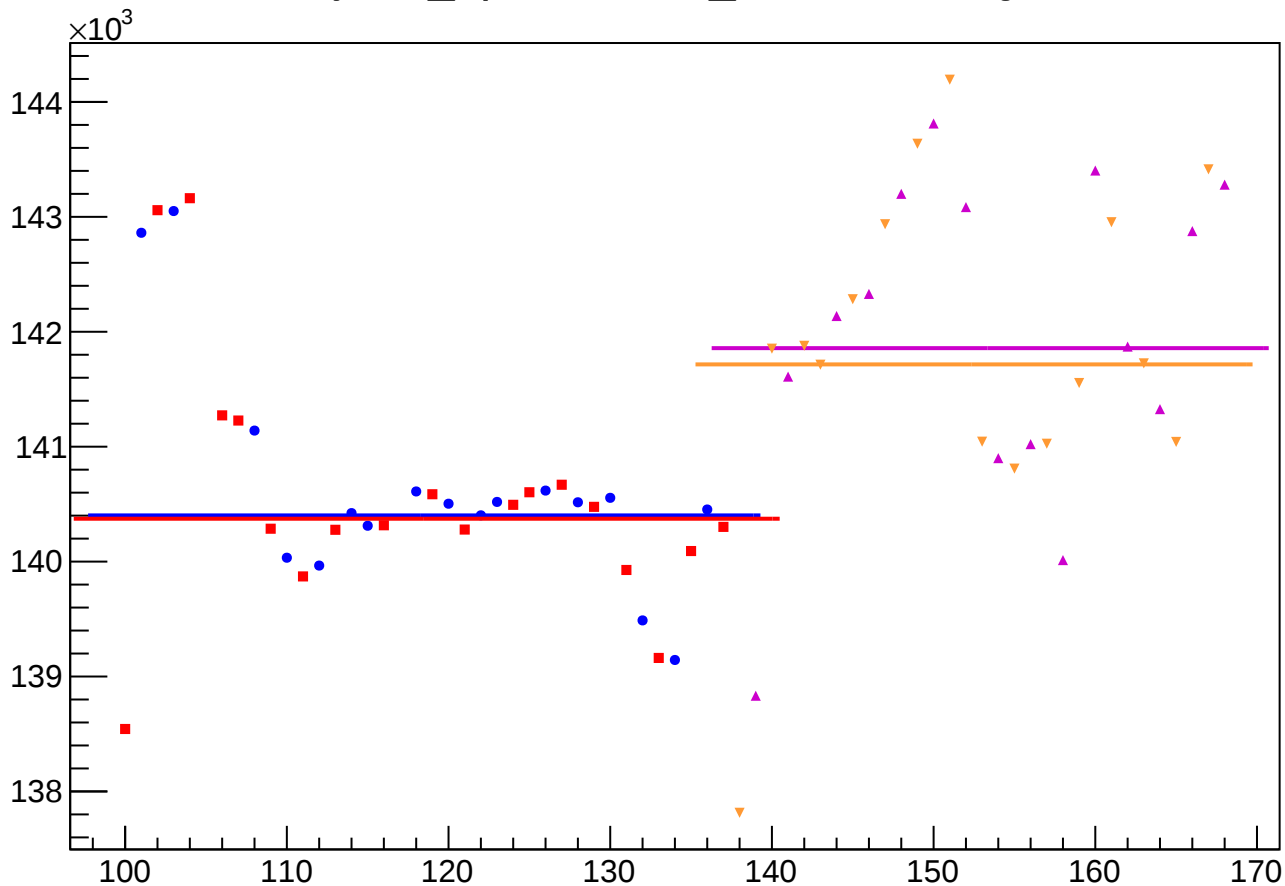
Left In: 179.873 $\pm$ 0.038 χ^2 /NDF: 410679.9/14

+ sign 164.775 $\pm$ 0.028 χ^2 /NDF: 1882896.8/32

All: 162.747 $\pm$ 0.020 χ^2 /NDF: 4037803.6/66

- sign 160.823 $\pm$ 0.027 χ^2 /NDF: 2144773.9/33

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 ± 0.064 $\chi^2/\text{NDF}: 88071774.7/16$

Left Out: 141716.094 ± 0.061 $\chi^2/\text{NDF}: 627050344.1/15$

Right Out: 140373.163 ± 0.060 $\chi^2/\text{NDF}: 99854533.3/18$

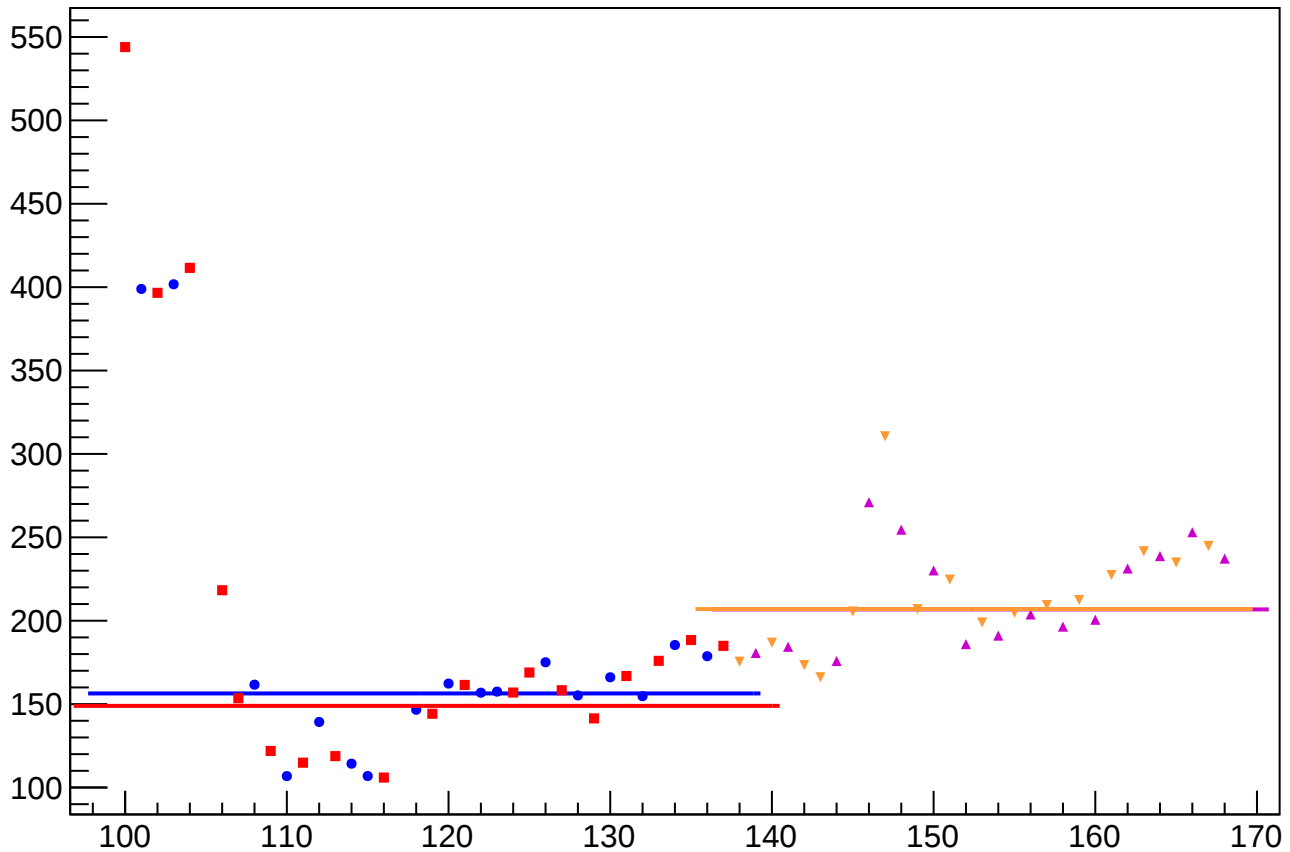
Left In: 141857.506 ± 0.062 $\chi^2/\text{NDF}: 506858866.9/14$

+ sign 141090.178 ± 0.044 $\chi^2/\text{NDF}: 933520827.5/3$

All: 141091.899 ± 0.031 $\chi^2/\text{NDF}: 183873001$

- sign 141093.509 ± 0.043 $\chi^2/\text{NDF}: 905206279.9/3$

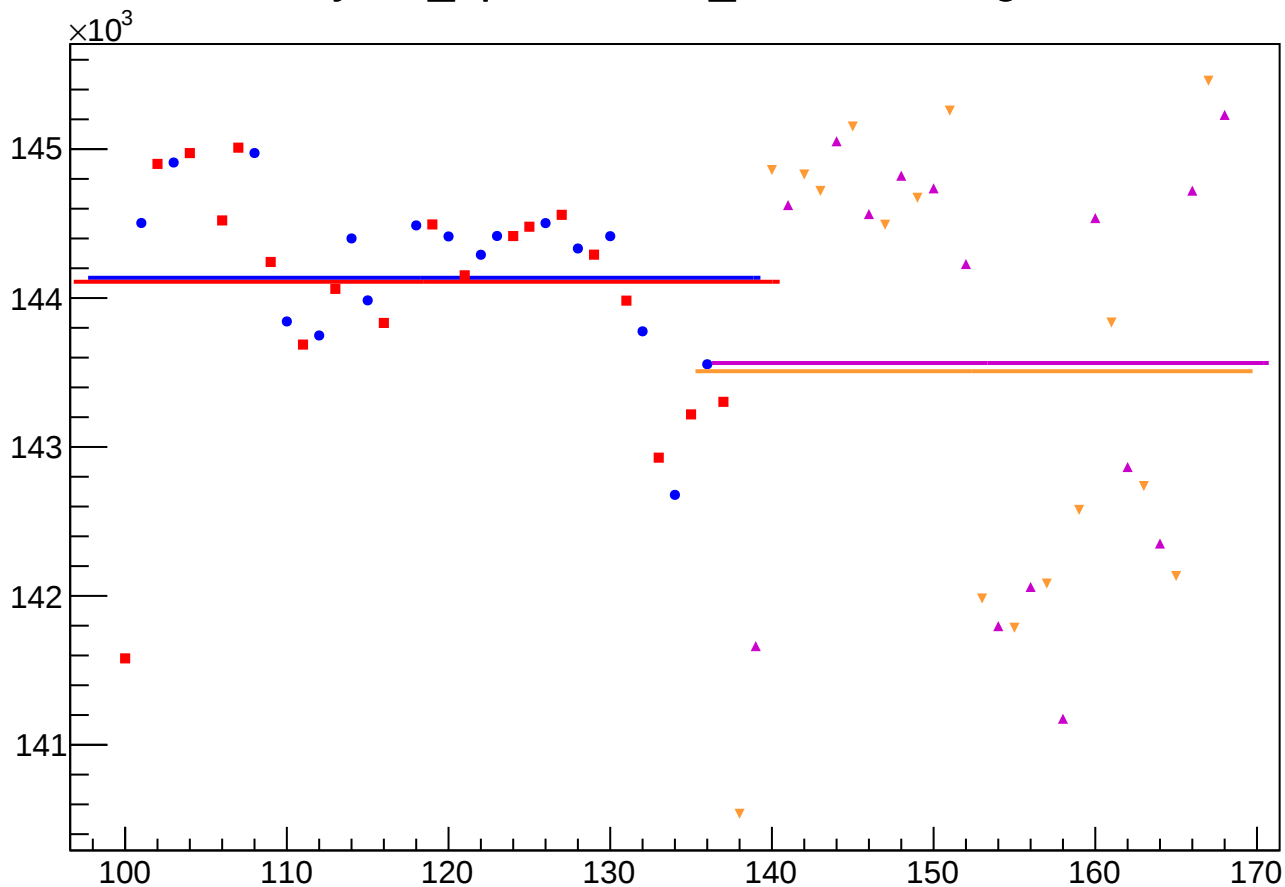
yield_bpm0l07WS_rms vs Slug



Right In: 156.394 ± 0.046 χ^2/NDF : 1154804.2/16
 Left Out: 206.981 ± 0.043 χ^2/NDF : 455098.2/15
 Right Out: 148.949 ± 0.042 χ^2/NDF : 1307651.5/18
 Left In: 206.787 ± 0.044 χ^2/NDF : 404425.1/14

+ sign 182.886 ± 0.031 χ^2/NDF : 2257229.0/32
 All: 179.853 ± 0.022 χ^2/NDF : 4893739.7/66
 - sign 177.018 ± 0.030 χ^2/NDF : 2618463.1/33

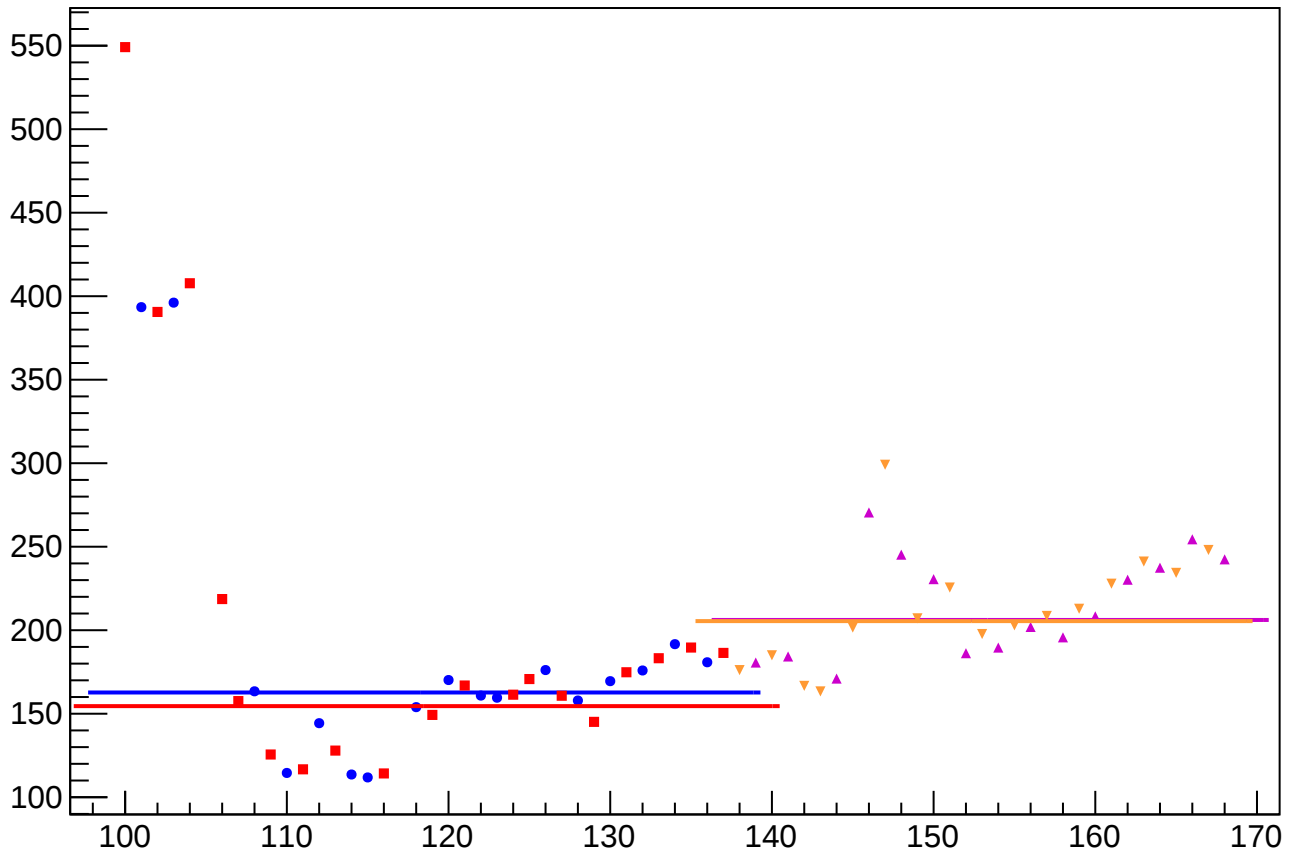
yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16
 Left Out: 143508.706 $\pm$ 0.061 χ^2 /NDF: 660955729.7/15
 Right Out: 144109.419 $\pm$ 0.062 χ^2 /NDF: 65258627.2/18
 Left In: 143563.824 $\pm$ 0.061 χ^2 /NDF: 553974353.7/14

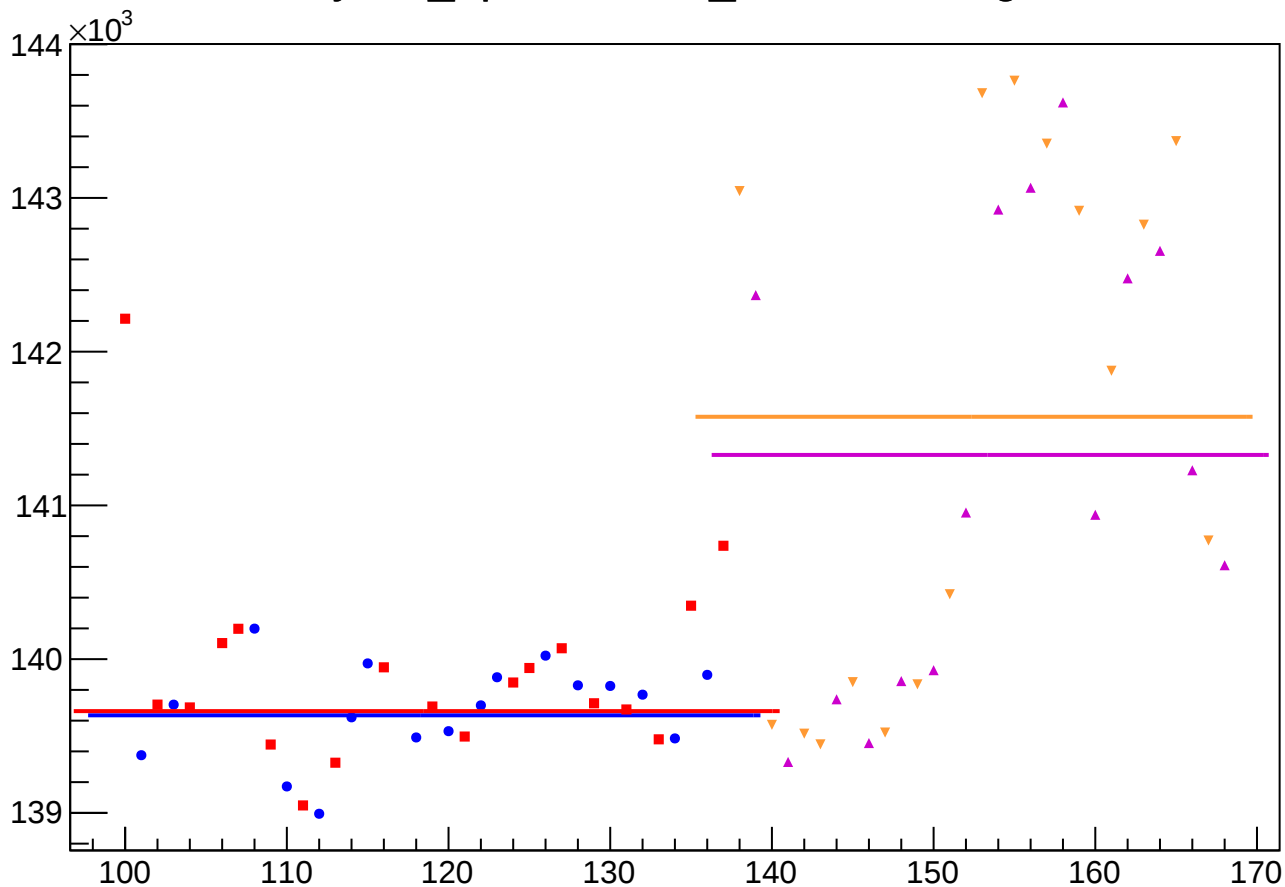
+ sign 143793.588 $\pm$ 0.045 χ^2 /NDF: 756230709.0/3
 All: 143814.900 $\pm$ 0.031 χ^2 /NDF: 141502521
 - sign 143834.925 $\pm$ 0.044 χ^2 /NDF: 658359296.5/3

yield_bpm0l08WS_rms vs Slug



Right In: 162.714+/-0.047	χ^2/NDF : 1066482.0/16	+ sign 186.047+/-0.032	χ^2/NDF : 1983447.0/32
Left Out: 205.453+/-0.043	χ^2/NDF : 469590.6/15	All: 183.189+/-0.022	χ^2/NDF : 4334131.5/66
Right Out: 154.547+/-0.044	χ^2/NDF : 1217495.9/18	- sign 180.504+/-0.031	χ^2/NDF : 2335034.3/33
Left In: 206.141+/-0.043	χ^2/NDF : 417772.5/14		

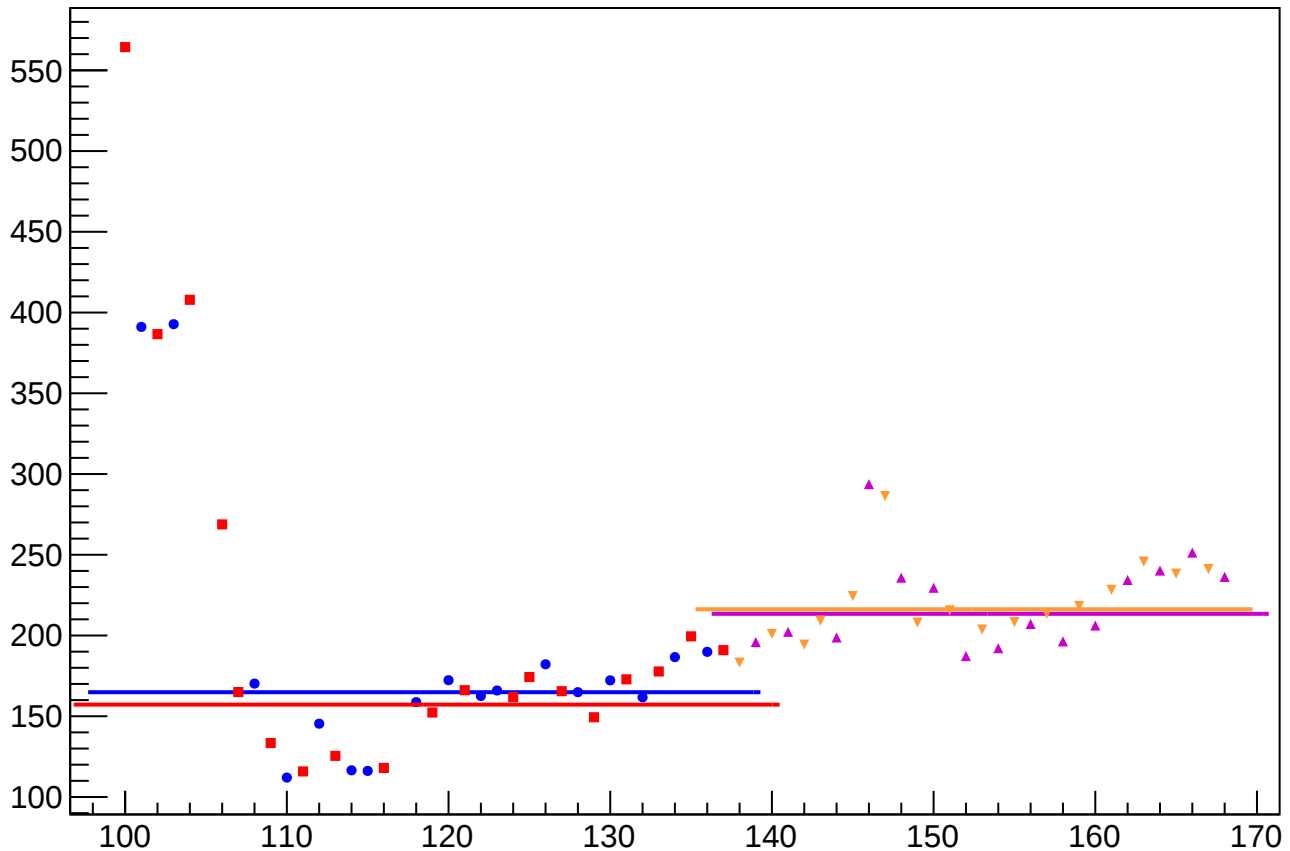
yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 $\pm$ 0.068 χ^2 /NDF: 24844912.0/16
 Left Out: 141576.505 $\pm$ 0.064 χ^2 /NDF: 709288764.5/15
 Right Out: 139661.970 $\pm$ 0.063 χ^2 /NDF: 38372985.0/18
 Left In: 141328.343 $\pm$ 0.063 χ^2 /NDF: 517596258.1/14

+ sign 140666.043 $\pm$ 0.046 χ^2 /NDF: 1170100761.0
 All: 140574.307 $\pm$ 0.032 χ^2 /NDF: 208046167.0
 - sign 140489.068 $\pm$ 0.045 χ^2 /NDF: 902823234.1/3

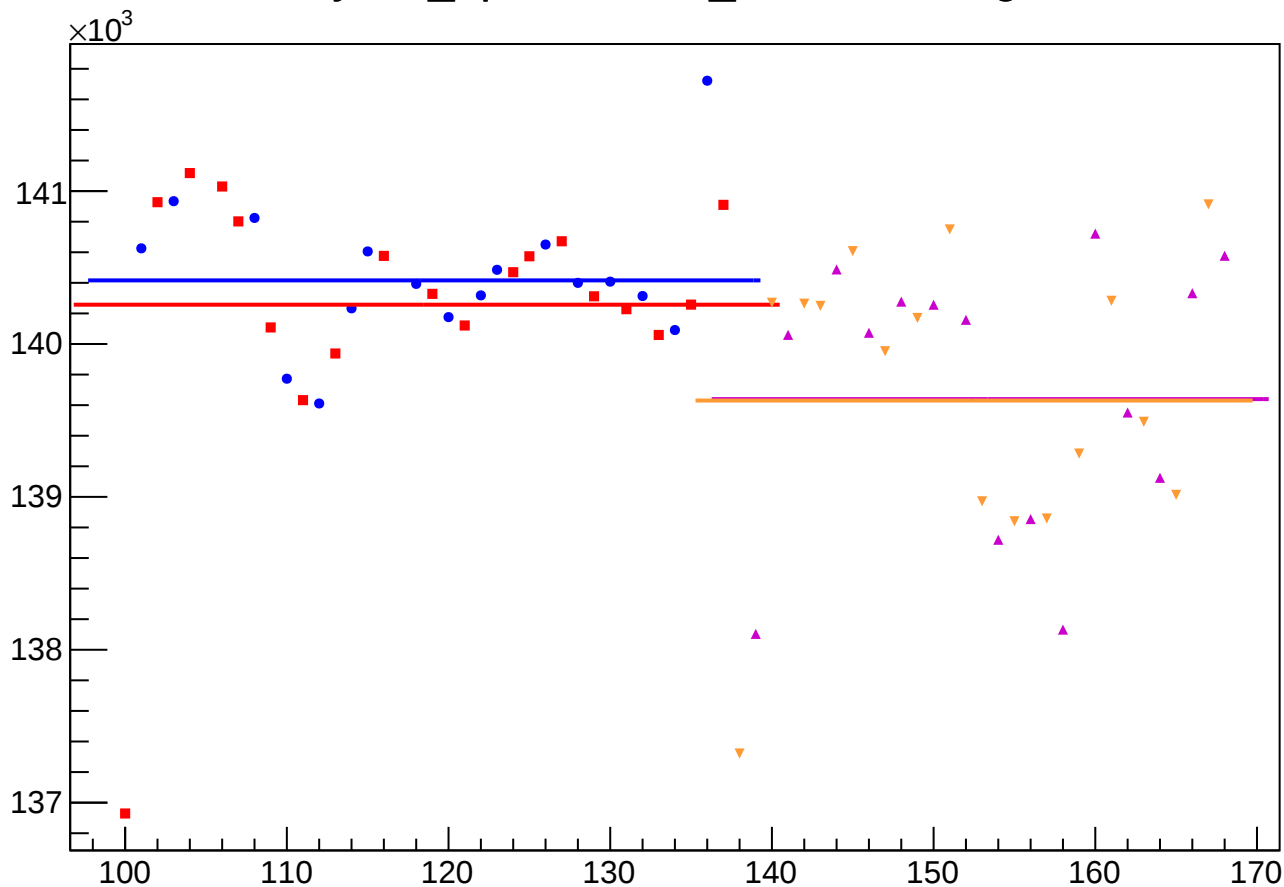
yield_bpm0l09WS_rms vs Slug



Right In: 164.884 ± 0.048 $\chi^2/\text{NDF}: 1066270.8/16$
 Left Out: 216.256 ± 0.045 $\chi^2/\text{NDF}: 225717.5/15$
 Right Out: 157.207 ± 0.045 $\chi^2/\text{NDF}: 1245030.9/18$
 Left In: 213.422 ± 0.045 $\chi^2/\text{NDF}: 297733.9/14$

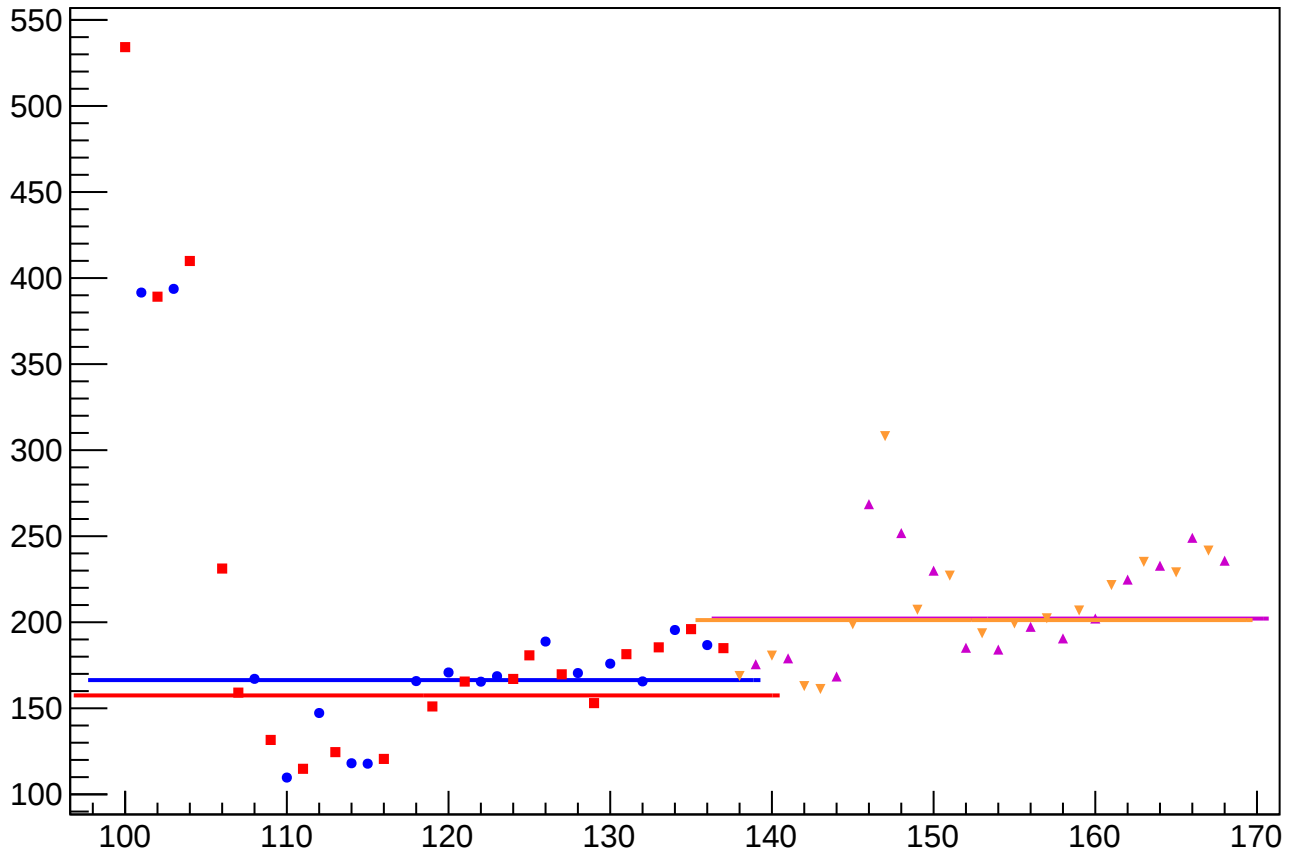
+ sign 192.169 ± 0.033 $\chi^2/\text{NDF}: 1902256.0/32$
 All: 188.510 ± 0.023 $\chi^2/\text{NDF}: 4258470.5/66$
 - sign 185.109 ± 0.032 $\chi^2/\text{NDF}: 2332223.0/33$

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068	χ^2 /NDF: 69975821.3/16	+ sign 139969.737 $\pm$ 0.045	χ^2 /NDF: 413881204.2/3
Left Out: 139630.253 $\pm$ 0.060	χ^2 /NDF: 268927049.9/15	All: 139951.317 $\pm$ 0.031	χ^2 /NDF: 725924388
Right Out: 140256.992 $\pm$ 0.063	χ^2 /NDF: 38063371.4/18	- sign 139933.989 $\pm$ 0.044	χ^2 /NDF: 311717342.5/3
Left In: 139639.643 $\pm$ 0.060	χ^2 /NDF: 223641369.4/14		

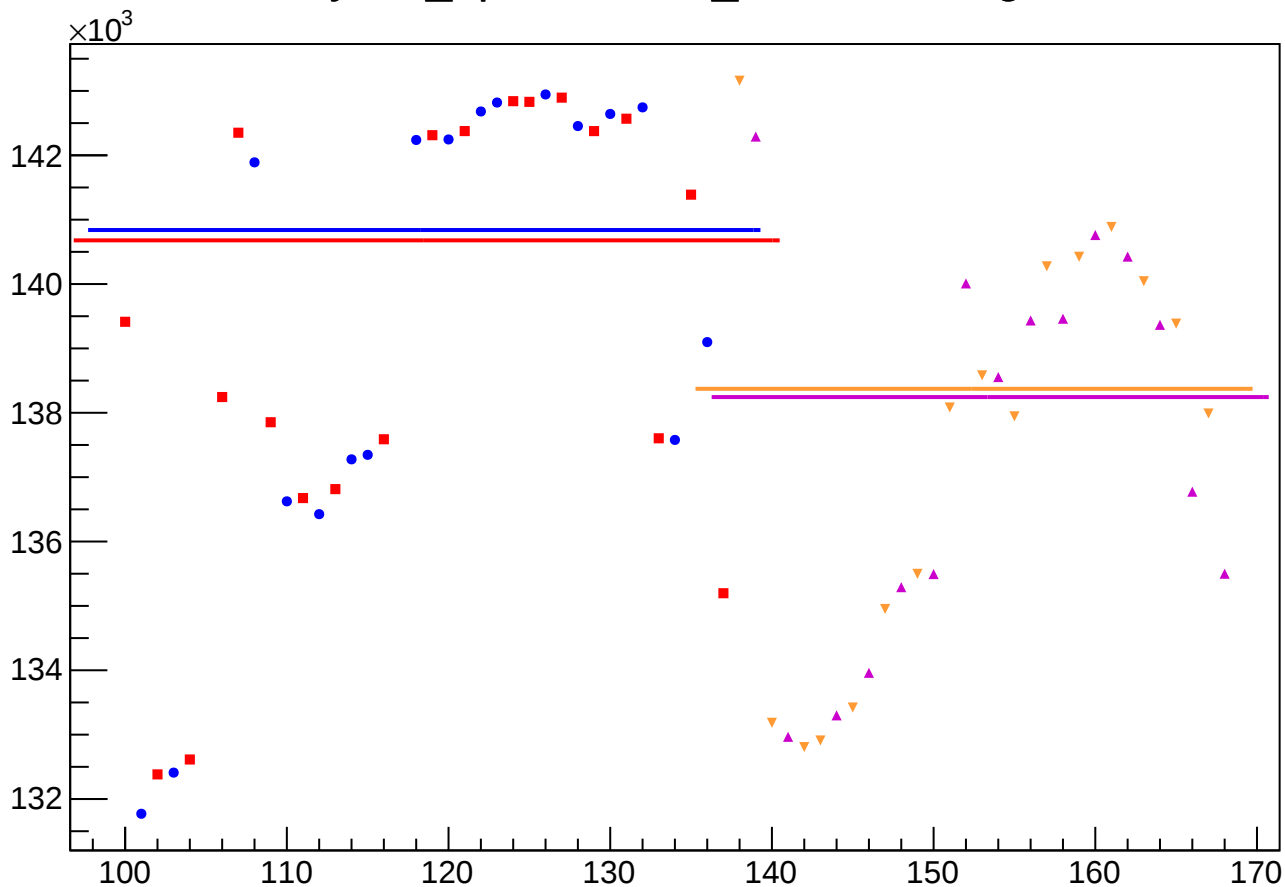
yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 $\chi^2/\text{NDF}: 1080964.8/16$
 Left Out: 201.255 ± 0.042 $\chi^2/\text{NDF}: 515538.1/15$
 Right Out: 157.475 ± 0.045 $\chi^2/\text{NDF}: 1229886.8/18$
 Left In: 202.136 ± 0.043 $\chi^2/\text{NDF}: 451688.8/14$

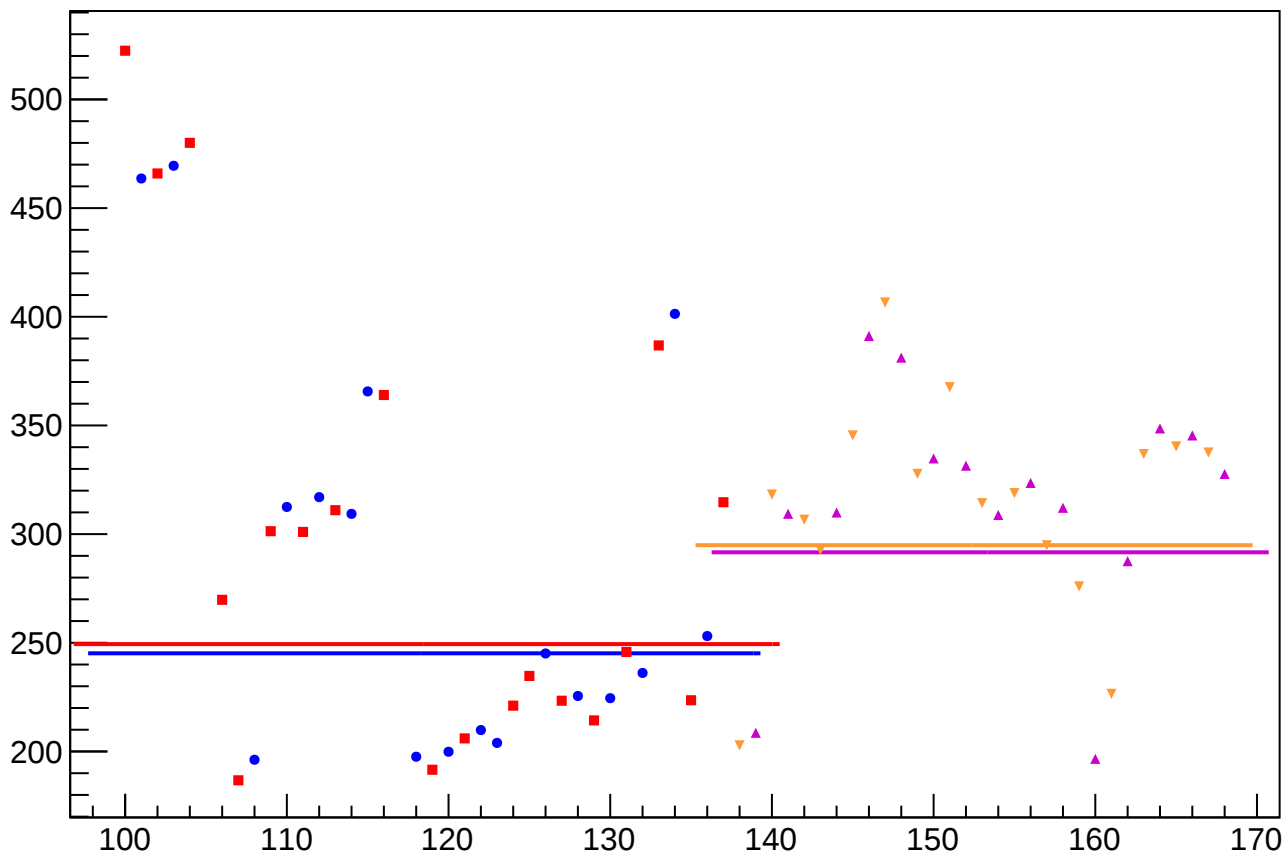
+ sign 186.192 ± 0.032 $\chi^2/\text{NDF}: 1891734.1/32$
 All: 183.435 ± 0.022 $\chi^2/\text{NDF}: 4111395.9/66$
 - sign 180.842 ± 0.031 $\chi^2/\text{NDF}: 2205069.4/33$

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	+ sign 139454.999 $\pm$ 0.066	χ^2 /NDF: 2560032783.5
Left Out: 138372.779 $\pm$ 0.088	χ^2 /NDF: 1396053223.4/15	All: 139389.158 $\pm$ 0.047	χ^2 /NDF: 491329860
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	- sign 139323.813 $\pm$ 0.066	χ^2 /NDF: 2351297898.8/14
Left In: 138244.067 $\pm$ 0.088	χ^2 /NDF: 1174794217.8/14		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 294.905 ± 0.063 χ^2/NDF : 757505.8/15

Right Out: 249.397 ± 0.070 χ^2/NDF : 1009731.2/18

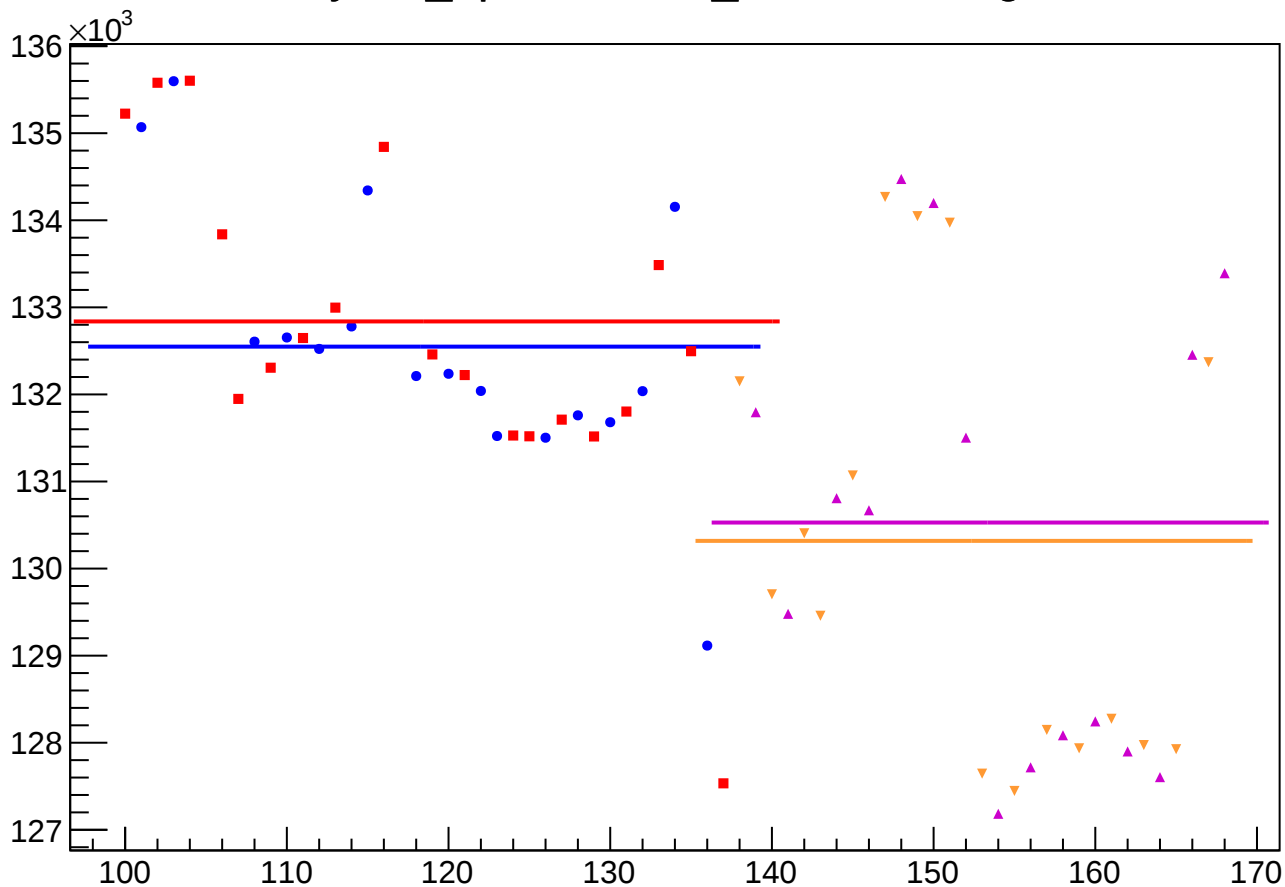
Left In: 291.639 ± 0.063 χ^2/NDF : 923329.8/14

+ sign 273.077 ± 0.047 χ^2/NDF : 1904690.3/32

All: 272.990 ± 0.033 χ^2/NDF : 4039968.7/66

- sign 272.903 ± 0.047 χ^2/NDF : 2135271.5/33

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130318.078 $\pm$ 0.078 χ^2 /NDF: 677867655.0/15

Right Out: 132838.294 $\pm$ 0.107 χ^2 /NDF: 149611447.6/18

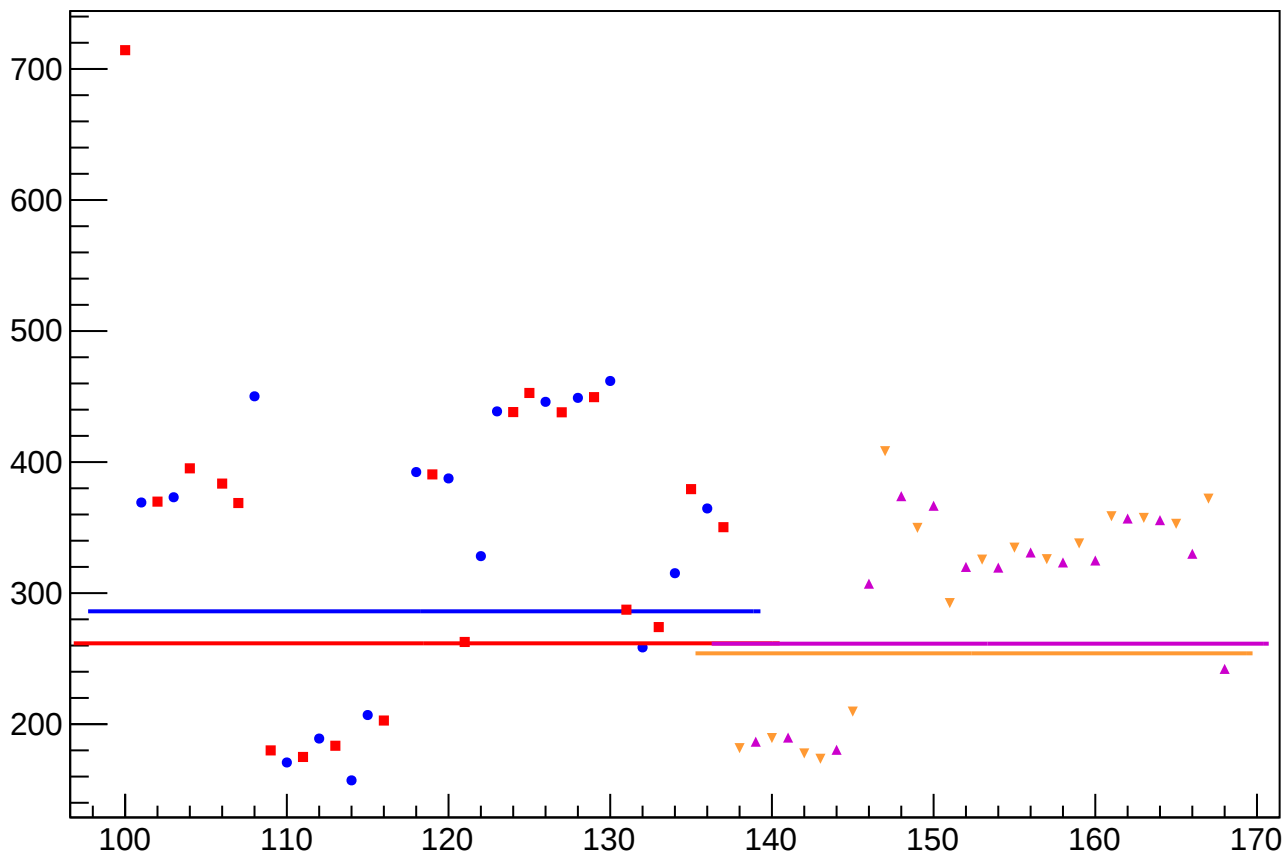
Left In: 130528.628 $\pm$ 0.080 χ^2 /NDF: 684500639.5/14

+ sign 130989.309 $\pm$ 0.065 χ^2 /NDF: 1083140299.5

All: 131178.530 $\pm$ 0.046 χ^2 /NDF: 223112752

- sign 131360.955 $\pm$ 0.064 χ^2 /NDF: 1131585501.6

yield_bpm0r05WS_rms vs Slug



Right In: 286.122 $\pm$ 0.084 χ^2 /NDF: 1525266.4/16

Left Out: 254.051 $\pm$ 0.055 χ^2 /NDF: 2096524.7/15

Right Out: 261.686 $\pm$ 0.076 χ^2 /NDF: 1623174.1/18

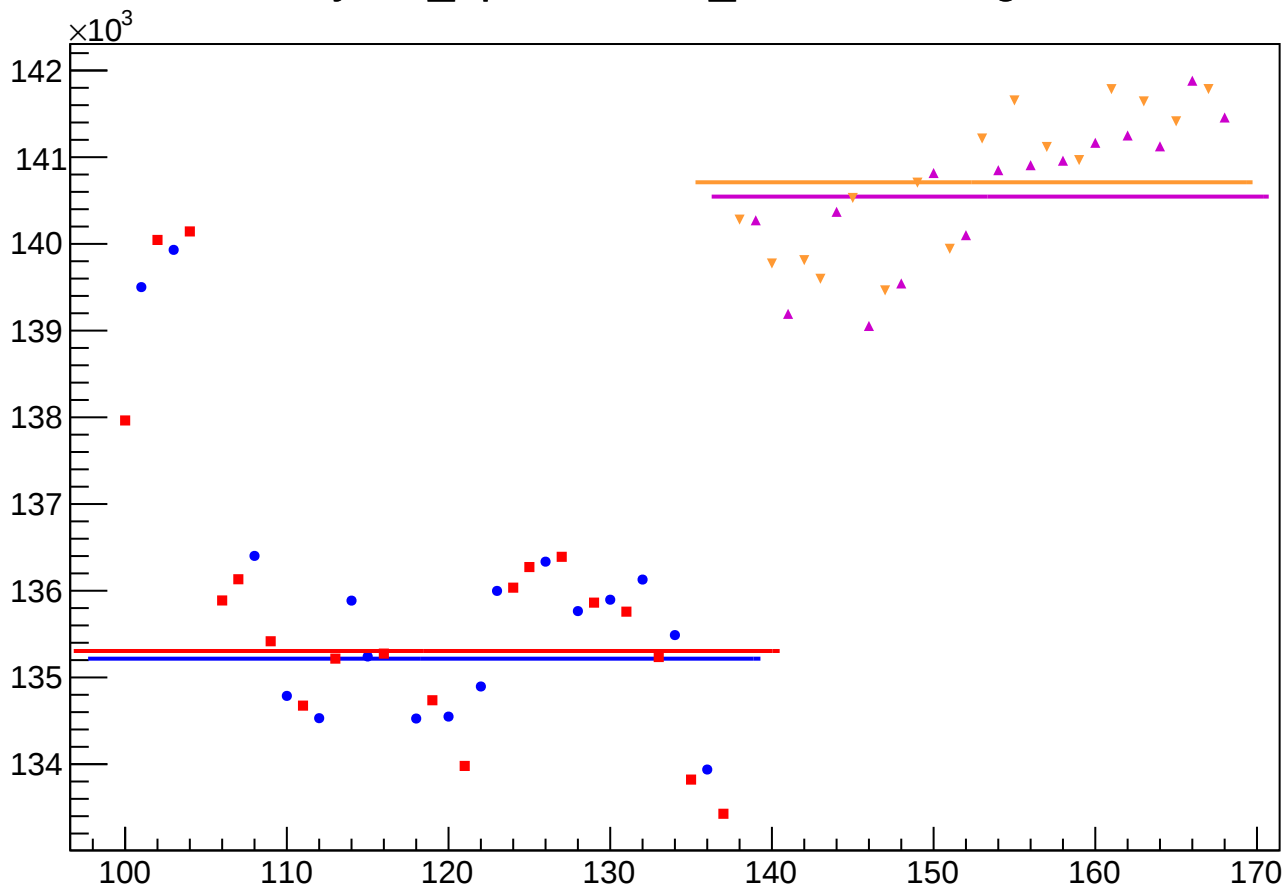
Left In: 261.416 $\pm$ 0.057 χ^2 /NDF: 1644248.4/14

+ sign 263.701 $\pm$ 0.046 χ^2 /NDF: 3722720.3/32

All: 262.587 $\pm$ 0.032 χ^2 /NDF: 6991286.8/66

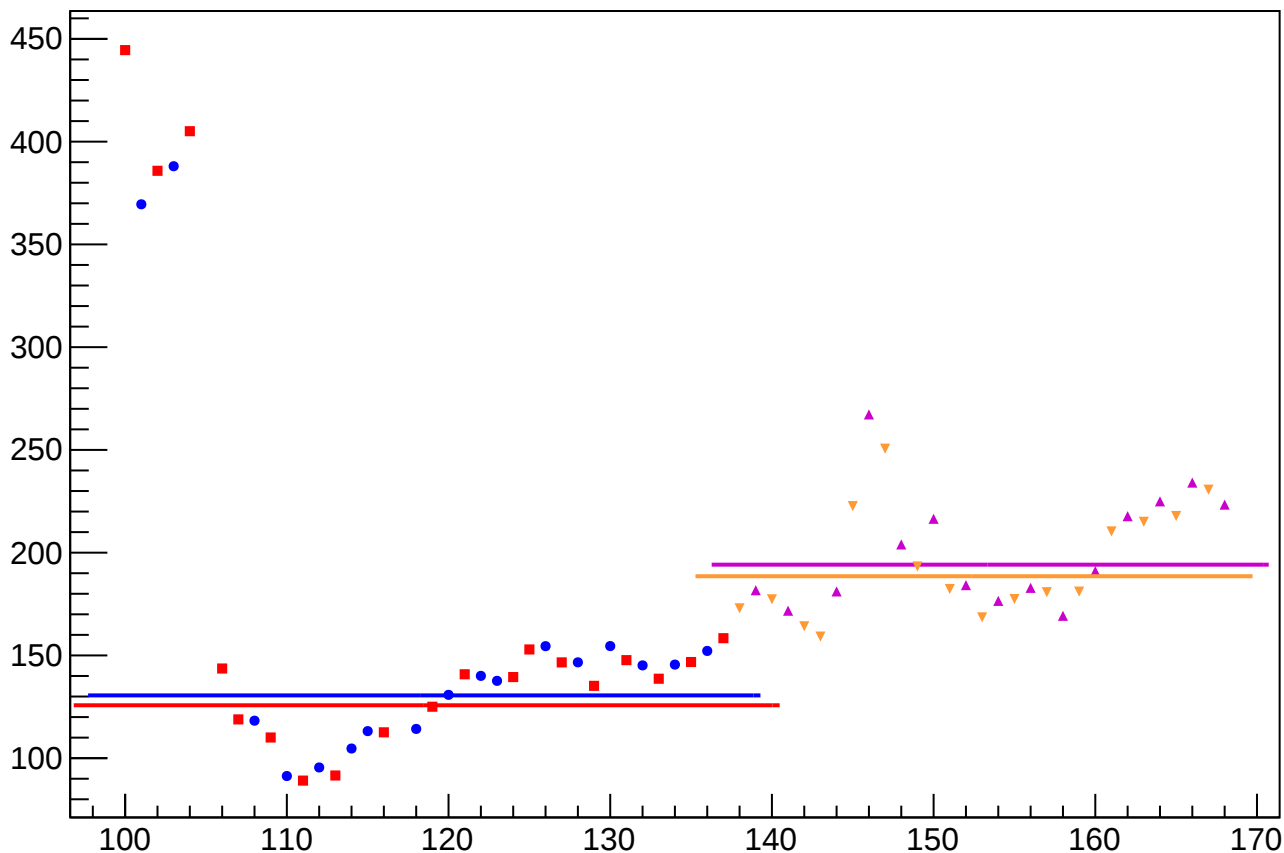
- sign 261.514 $\pm$ 0.045 χ^2 /NDF: 3267430.6/33

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054	χ^2 /NDF: 371347707.3/16	+ sign 137891.601 $\pm$ 0.039	χ^2 /NDF: 5539621048.6/15
Left Out: 140710.634 $\pm$ 0.056	χ^2 /NDF: 194081907.7/15	All: 137745.410 $\pm$ 0.027	χ^2 /NDF: 106951702.7/14
Right Out: 135305.135 $\pm$ 0.051	χ^2 /NDF: 357636841.6/18	- sign 137603.833 $\pm$ 0.038	χ^2 /NDF: 5127799380.8/17
Left In: 140545.457 $\pm$ 0.058	χ^2 /NDF: 164483773.7/14		

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 188.538 $\pm$ 0.039 χ^2 /NDF: 354742.1/15

Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

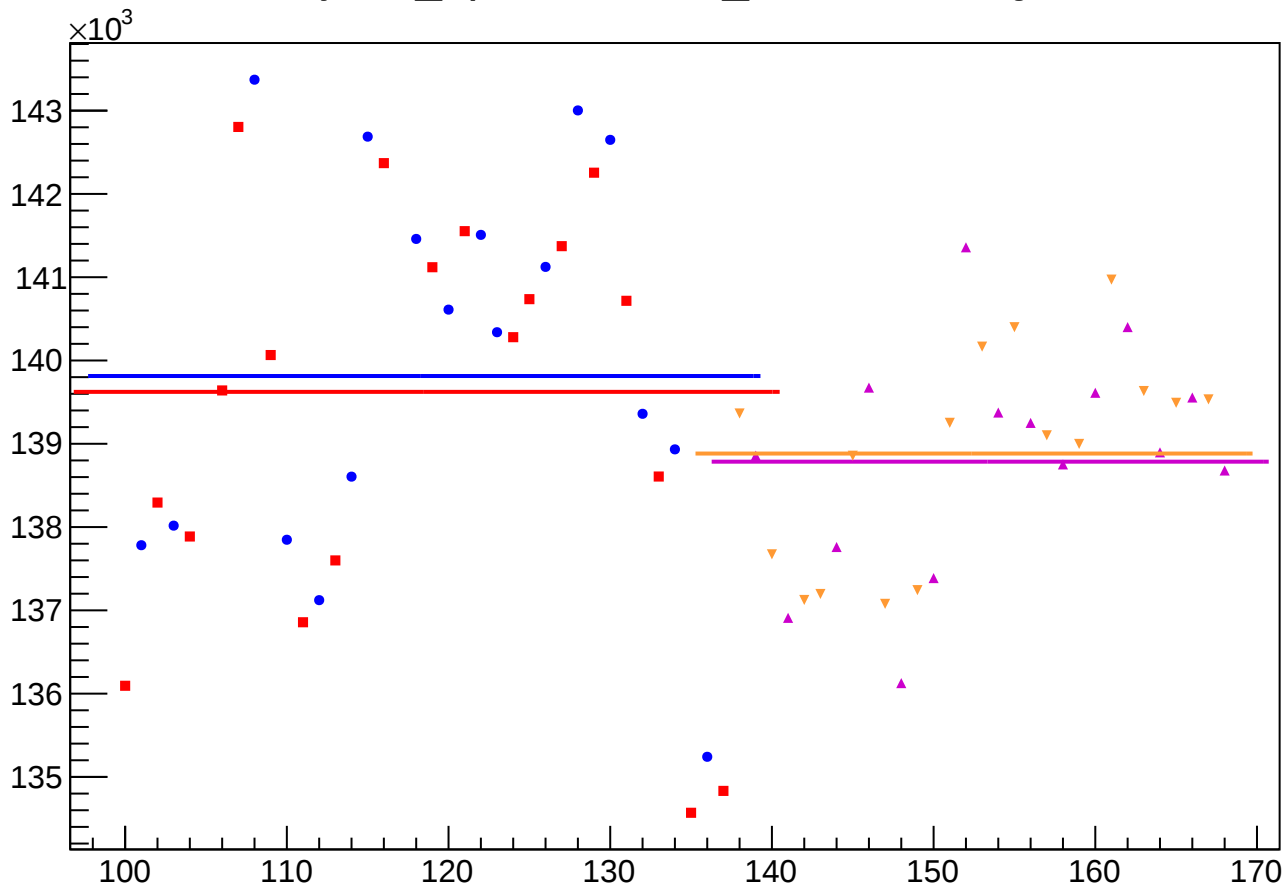
Left In: 194.160 $\pm$ 0.041 χ^2 /NDF: 338442.1/14

+ sign 158.785 $\pm$ 0.028 χ^2 /NDF: 2836047.0/32

All: 157.246 $\pm$ 0.019 χ^2 /NDF: 6190631.5/66

- sign 155.756 $\pm$ 0.027 χ^2 /NDF: 3348435.9/33

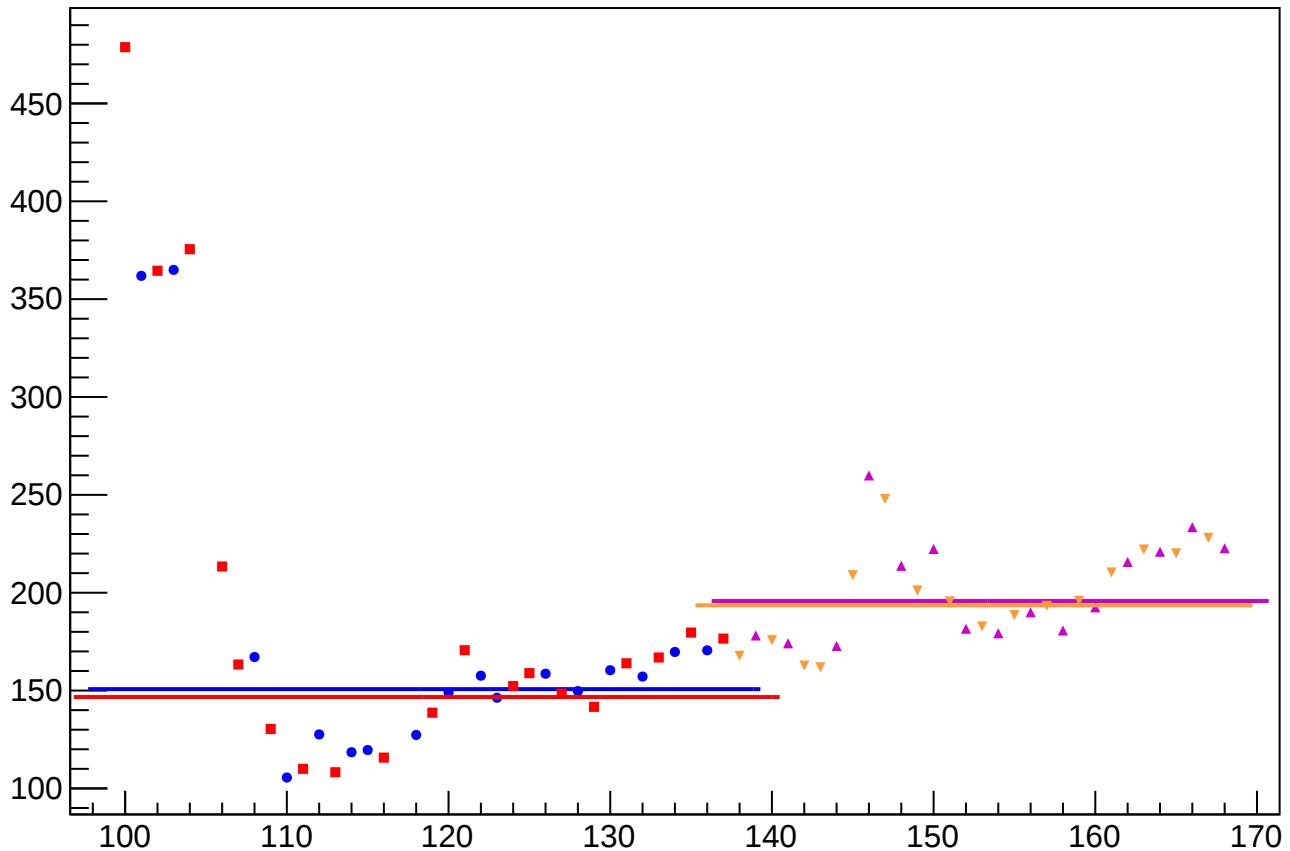
yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 ± 0.062 $\chi^2/\text{NDF}: 1689865533.6/16$
 Left Out: 138882.777 ± 0.057 $\chi^2/\text{NDF}: 440546771.1/15$
 Right Out: 139623.387 ± 0.059 $\chi^2/\text{NDF}: 1505731109.1/18$
 Left In: 138785.160 ± 0.058 $\chi^2/\text{NDF}: 524120698.0/14$

+ sign 139312.709 ± 0.042 $\chi^2/\text{NDF}: 2252031029.5$
 All: 139255.343 ± 0.030 $\chi^2/\text{NDF}: 438753904$
 - sign 139199.559 ± 0.041 $\chi^2/\text{NDF}: 2131842693.0/15$

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 $\pm$ 0.044 χ^2 /NDF: 1050071.6/16

Left Out: 193.557 $\pm$ 0.041 χ^2 /NDF:305740.8/15

Right Out: 146.686 $\pm$ 0.042 χ^2 /NDF: 1203106.6/18

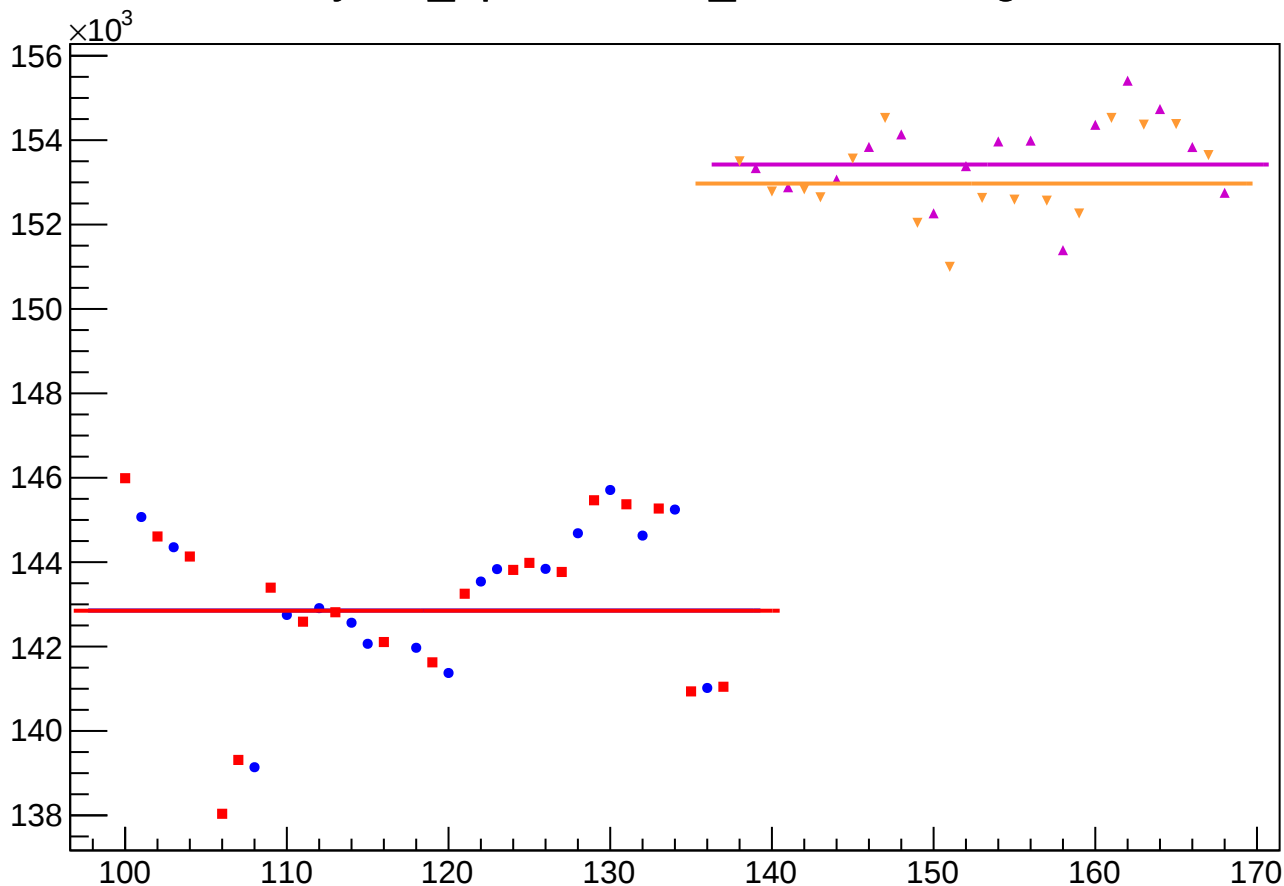
Left In: 195.751 $\pm$ 0.041 χ^2 /NDF:314428.5/14

+ sign 173.779 $\pm$ 0.030 χ^2 /NDF: 1870580.1/32

All: 172.621 $\pm$ 0.021 χ^2 /NDF: 4090008.3/66

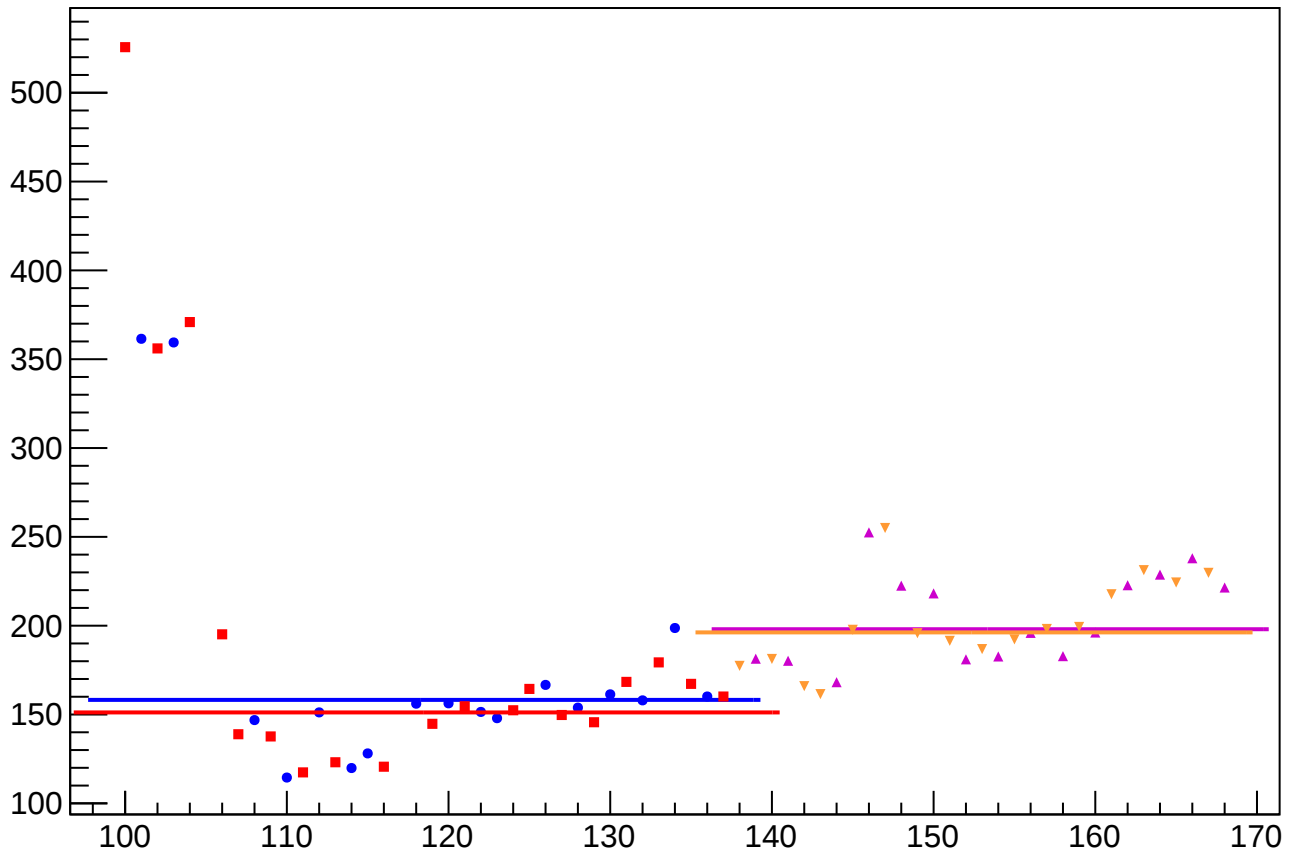
- sign 171.494 $\pm$ 0.029 χ^2 /NDF: 2216440.5/33

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065	χ^2 /NDF: 740367386.5/16	+ sign 148454.858 $\pm$ 0.043	χ^2 /NDF: 14551650438.
Left Out: 152971.919 $\pm$ 0.058	χ^2 /NDF: 259116469.2/15	All: 148357.073 $\pm$ 0.030	χ^2 /NDF: 313725827
Right Out: 142849.362 $\pm$ 0.060	χ^2 /NDF: 850066807.5/18	- sign 148263.843 $\pm$ 0.042	χ^2 /NDF: 16810926306.1
Left In: 153422.822 $\pm$ 0.059	χ^2 /NDF: 265991259.8/14		

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 χ^2/NDF : 883513.4/16

Left Out: 196.226 ± 0.041 χ^2/NDF : 301919.4/15

Right Out: 151.174 ± 0.043 χ^2/NDF : 1003301.6/18

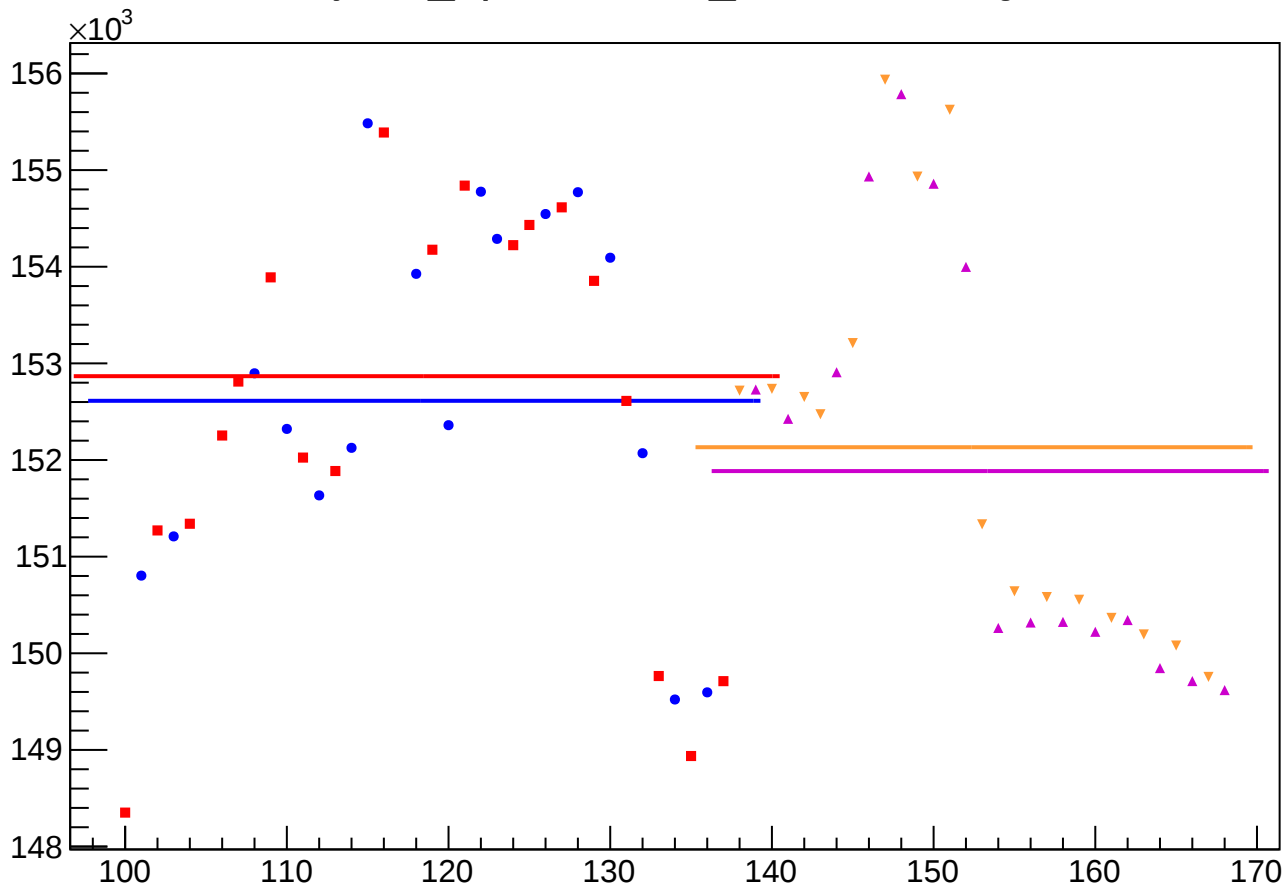
Left In: 198.010 ± 0.042 χ^2/NDF : 312943.7/14

+ sign 179.264 ± 0.031 χ^2/NDF : 1567642.7/32

All: 177.162 ± 0.021 χ^2/NDF : 3509041.1/66

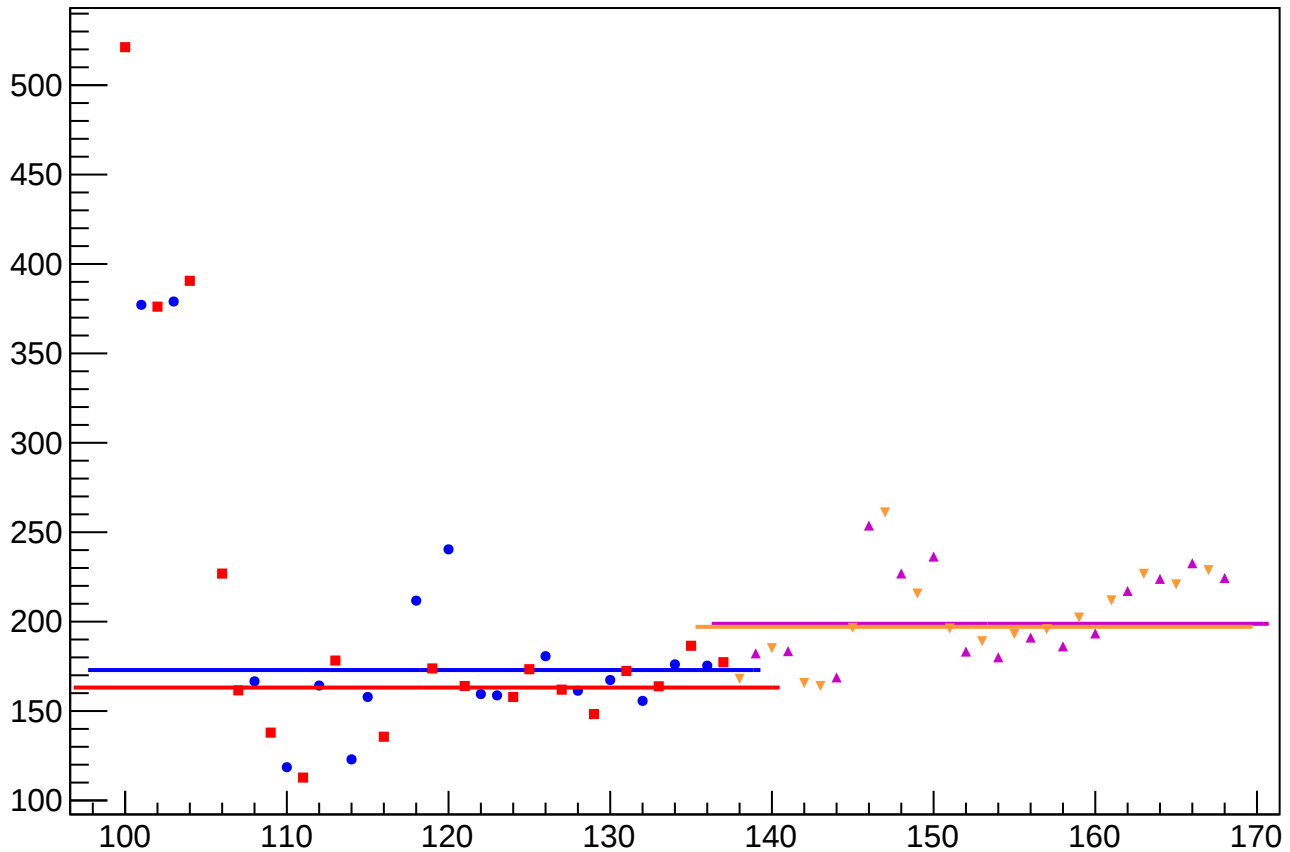
- sign 175.158 ± 0.030 χ^2/NDF : 1932152.3/33

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2/NDF : 621416187.4/16
 Left Out: 152132.286 $\pm$ 0.058 χ^2/NDF : 997280475.3/15
 Right Out: 152867.453 $\pm$ 0.066 χ^2/NDF : 719075986.4/18
 Left In: 151885.422 $\pm$ 0.059 χ^2/NDF : 1092918197.0/14

yield_bpm0i07WS_rms vs Slug



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 197.104+/-0.041 χ^2/NDF : 318082.6/15

Right Out: 163.138+/-0.047 χ^2/NDF : 1033751.2/18

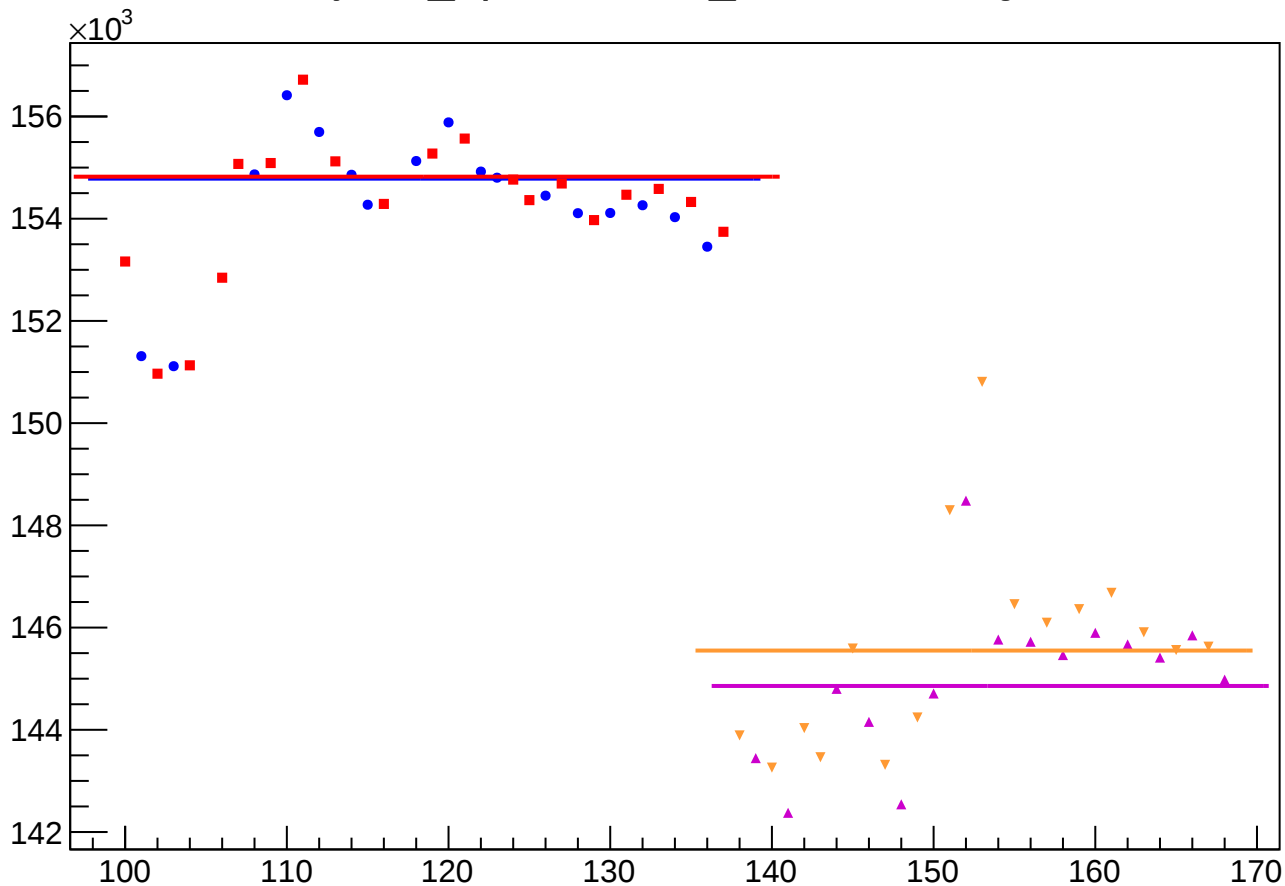
Left In: 198.797+/-0.042 χ^2/NDF : 328204.5/14

+ sign 187.596+/-0.032 χ^2/NDF : 1396329.7/32

All: 185.238+/-0.022 χ^2/NDF : 3091955.1/66

- sign 183.001+/-0.031 χ^2/NDF : 1685042.8/33

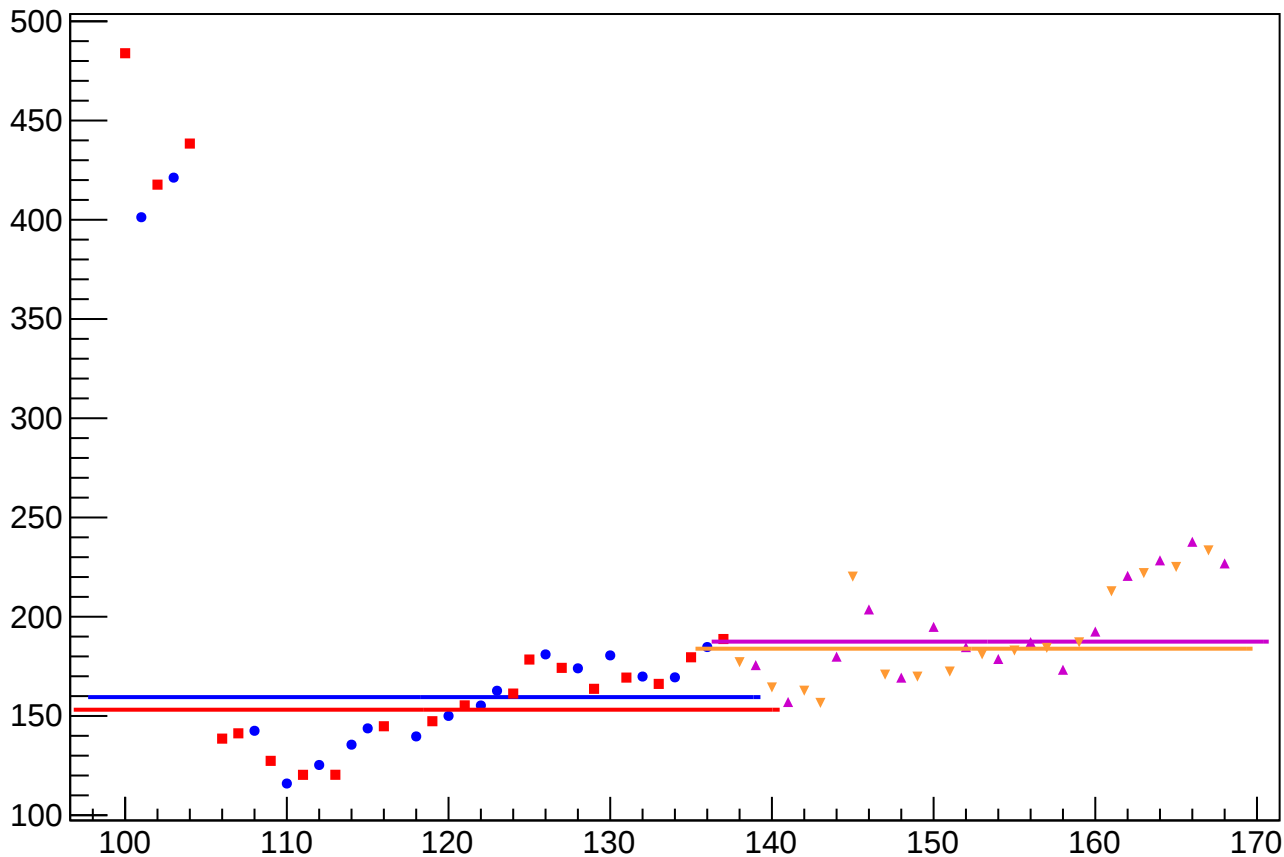
yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 ± 0.065 $\chi^2/\text{NDF}: 265581398.0/16$
 Left Out: 145550.493 ± 0.054 $\chi^2/\text{NDF}: 1481806688.4/15$
 Right Out: 154822.113 ± 0.061 $\chi^2/\text{NDF}: 293850525.9/18$
 Left In: 144857.755 ± 0.055 $\chi^2/\text{NDF}: 822465305.1/14$

+ sign 149303.992 ± 0.042 $\chi^2/\text{NDF}: 13589003808.$
 All: 149342.136 ± 0.029 $\chi^2/\text{NDF}: 293364900$
 - sign 149379.077 ± 0.041 $\chi^2/\text{NDF}: 15745838022.6$

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 ± 0.046 χ^2/NDF : 1131844.5/16

Left Out: 183.894 ± 0.038 χ^2/NDF : 329309.0/15

Right Out: 153.153 ± 0.043 χ^2/NDF : 1173739.7/18

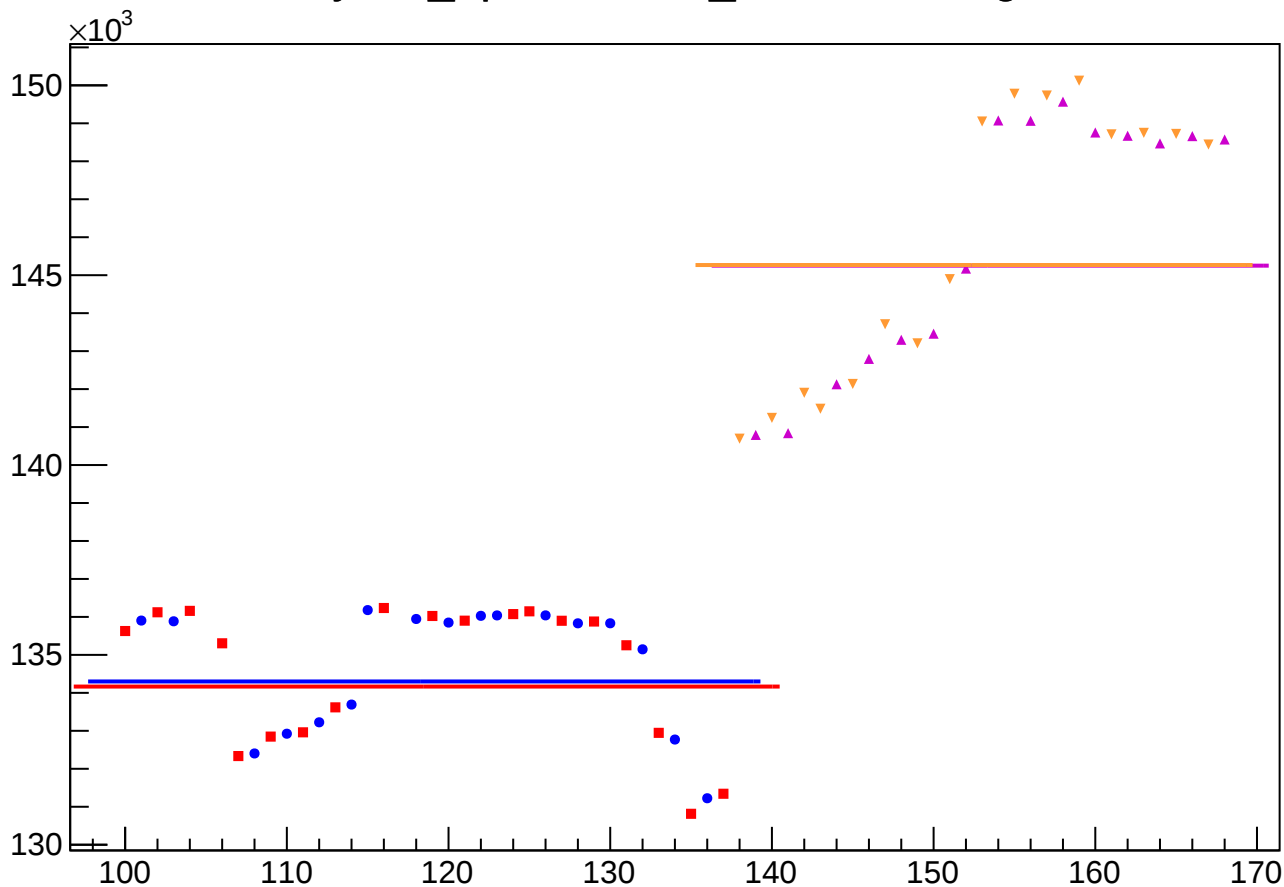
Left In: 187.454 ± 0.039 χ^2/NDF : 290543.4/14

+ sign 173.979 ± 0.029 χ^2/NDF : 1626399.1/32

All: 172.918 ± 0.021 χ^2/NDF : 3439950.6/66

- sign 171.890 ± 0.029 χ^2/NDF : 1811000.4/33

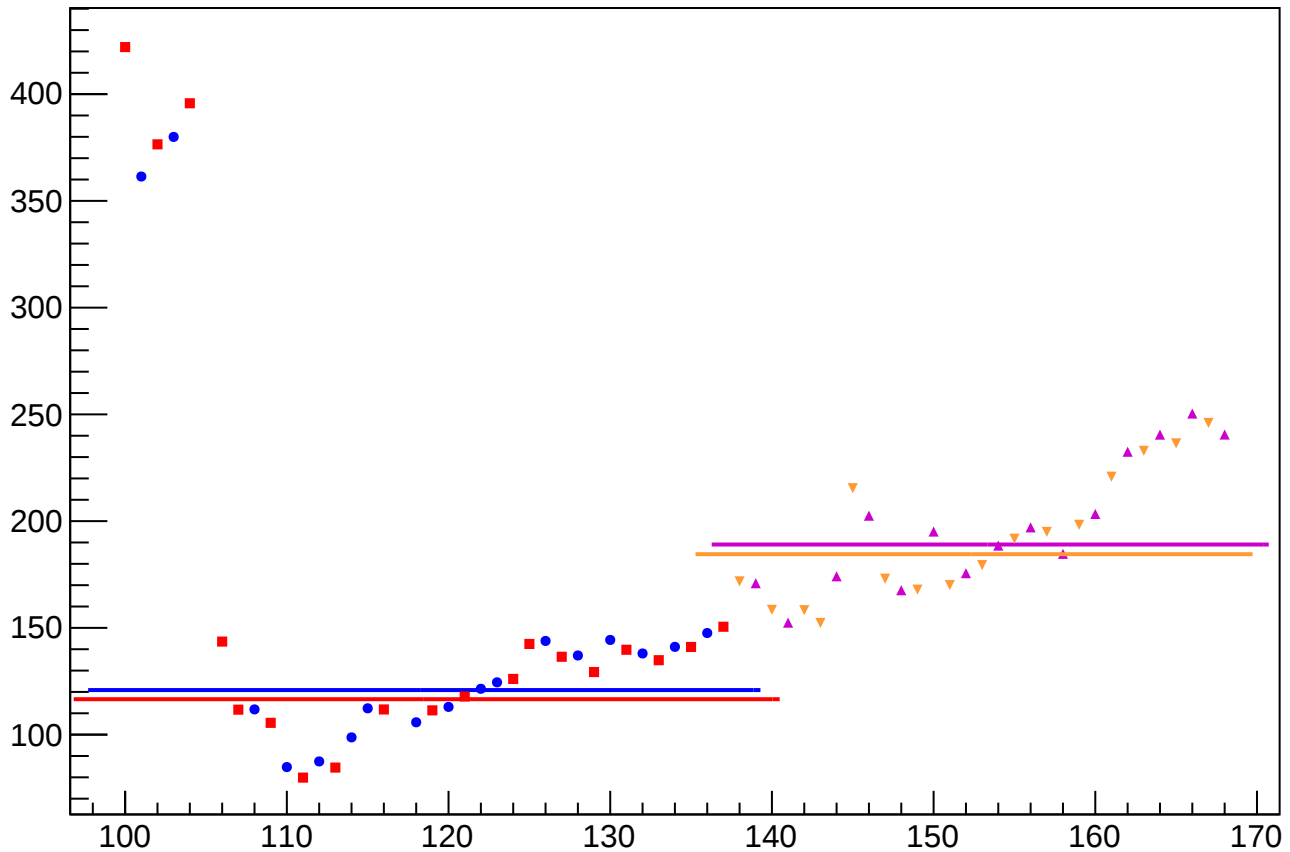
yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16
 Left Out: 145267.495 $\pm$ 0.054 χ^2 /NDF: 4221206305.0/15
 Right Out: 134165.615 $\pm$ 0.047 χ^2 /NDF: 1211471052.4/18
 Left In: 145251.194 $\pm$ 0.056 χ^2 /NDF: 3569192601.2/14

+ sign 139352.431 $\pm$ 0.037 χ^2 /NDF: 27235327653.
 All: 139057.538 $\pm$ 0.026 χ^2 /NDF: 548870745
 - sign 138774.411 $\pm$ 0.036 χ^2 /NDF: 27527040450.7

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 184.510 $\pm$ 0.039 χ^2 /NDF: 472280.4/15

Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

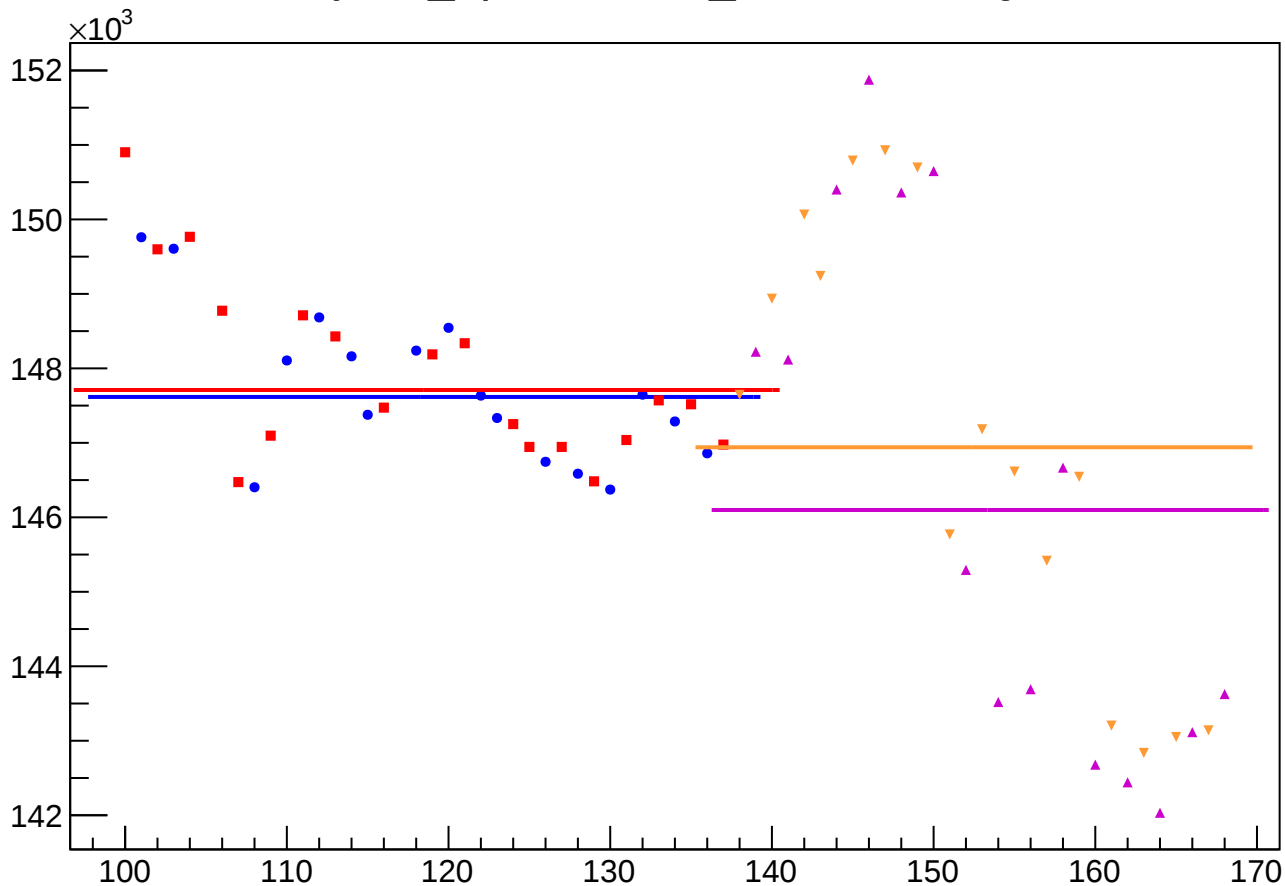
Left In: 189.046 $\pm$ 0.040 χ^2 /NDF: 428464.6/14

+ sign 150.188 $\pm$ 0.026 χ^2 /NDF: 3408247.6/32

All: 148.417 $\pm$ 0.018 χ^2 /NDF: 7330267.7/66

- sign 146.716 $\pm$ 0.026 χ^2 /NDF: 3913020.5/33

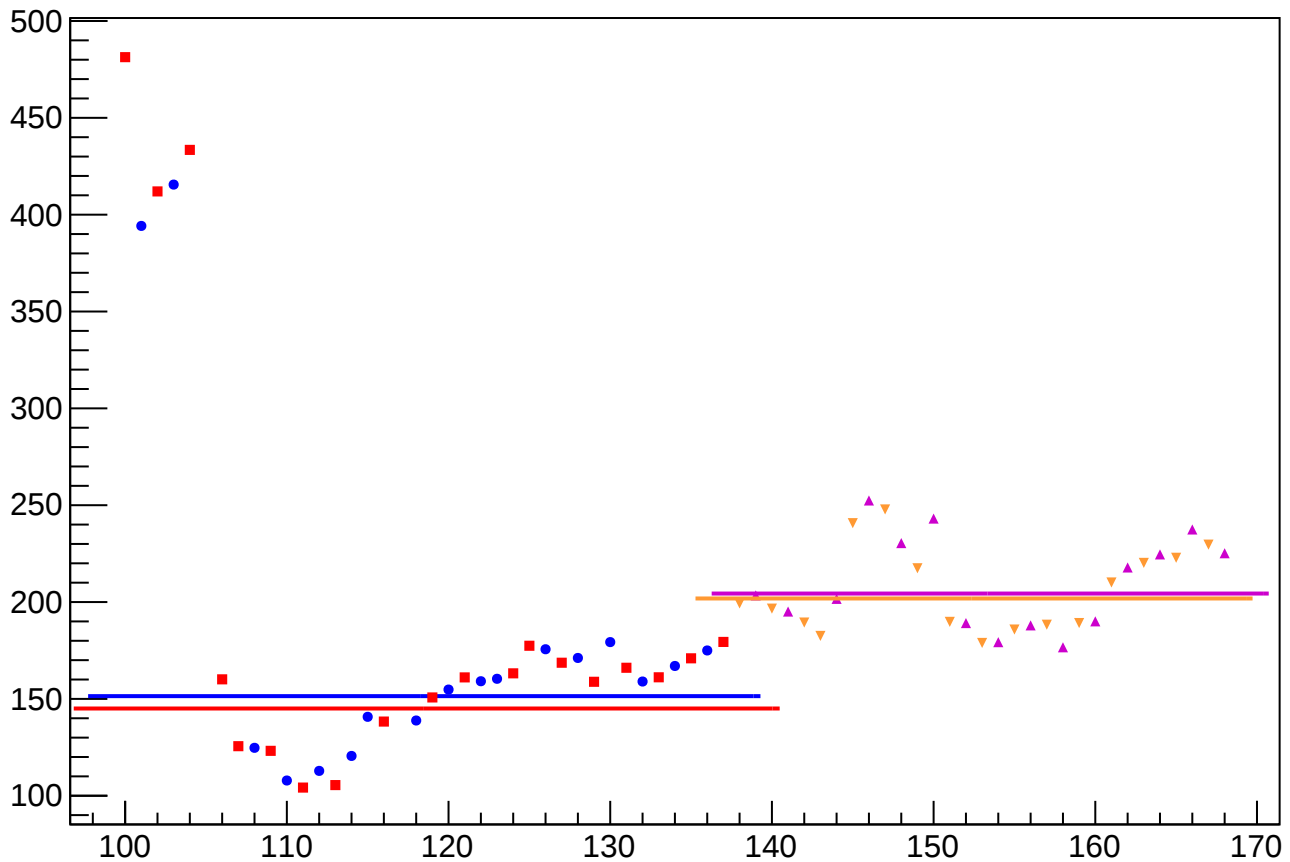
yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 ± 0.062 $\chi^2/\text{NDF}: 199263428.7/16$
 Left Out: 146940.592 ± 0.059 $\chi^2/\text{NDF}: 1922564551.5/15$
 Right Out: 147709.723 ± 0.058 $\chi^2/\text{NDF}: 203906685.9/18$
 Left In: 146098.357 ± 0.061 $\chi^2/\text{NDF}: 2704202748.3/14$

+ sign 147260.868 ± 0.043 $\chi^2/\text{NDF}: 2183303866.6/15$
 All: 147093.513 ± 0.030 $\chi^2/\text{NDF}: 548839959.9/17$
 - sign 146933.999 ± 0.042 $\chi^2/\text{NDF}: 3275541293.2/15$

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 201.845 $\pm$ 0.042 χ^2 /NDF: 225934.1/15

Right Out: 145.039 $\pm$ 0.041 χ^2 /NDF: 1375972.0/18

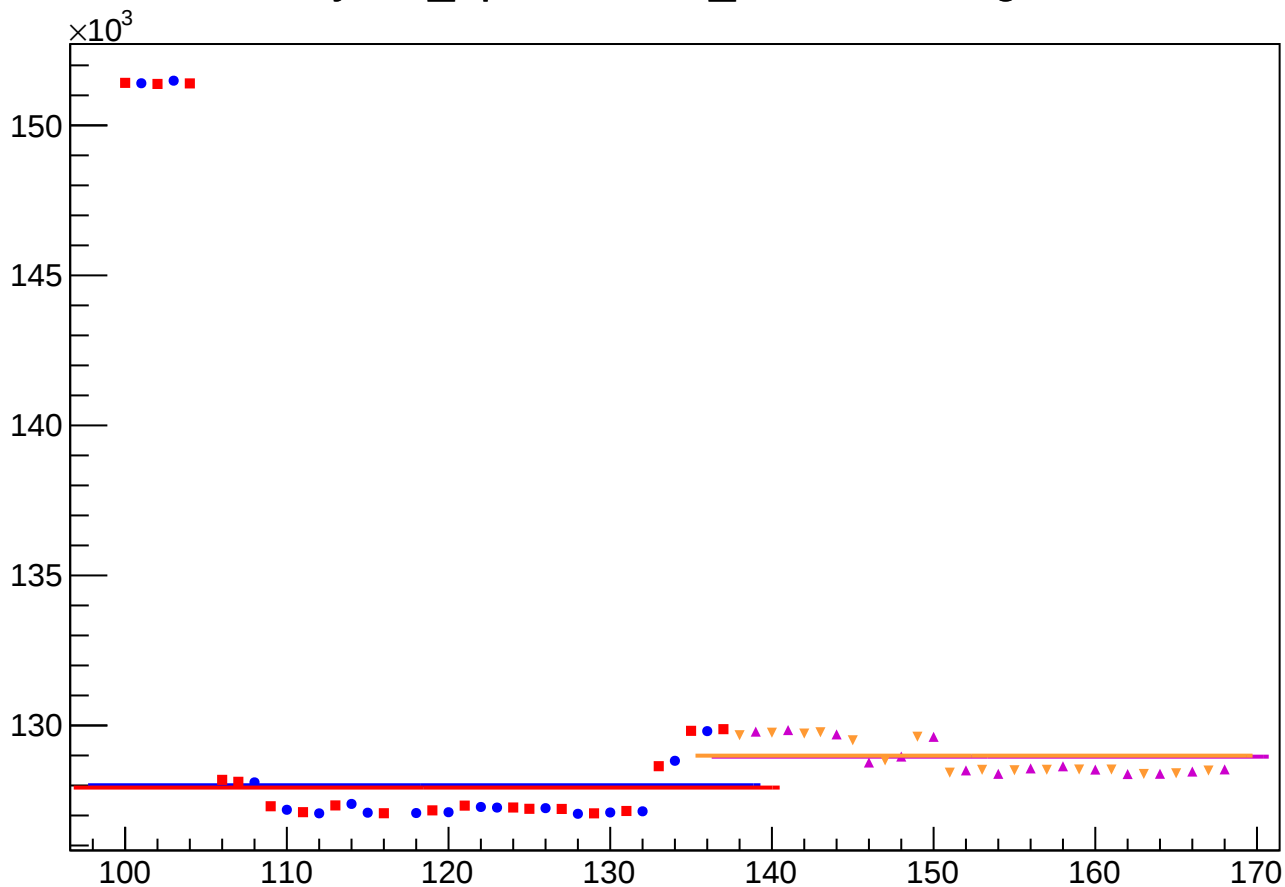
Left In: 204.391 $\pm$ 0.043 χ^2 /NDF: 280073.5/14

+ sign 177.941 $\pm$ 0.030 χ^2 /NDF: 2168698.7/32

All: 175.724 $\pm$ 0.021 χ^2 /NDF: 4832085.7/66

- sign 173.612 $\pm$ 0.030 χ^2 /NDF: 2653017.4/33

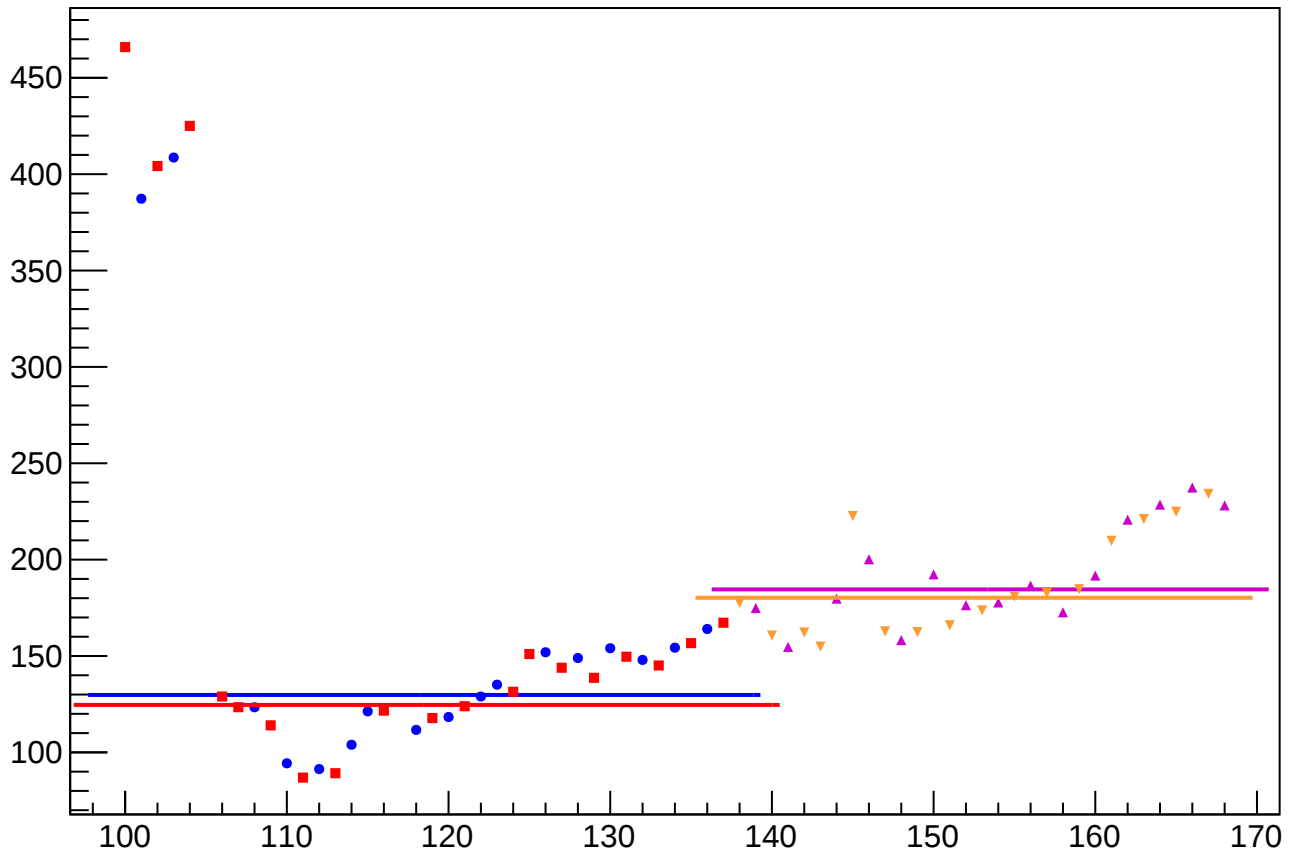
yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16
 Left Out: 128994.150 $\pm$ 0.053 χ^2 /NDF: 117987903.7/15
 Right Out: 127930.136 $\pm$ 0.050 χ^2 /NDF: 3768176193.0/18
 Left In: 128960.346 $\pm$ 0.055 χ^2 /NDF: 106533903.8/14

+ sign 128510.783 $\pm$ 0.038 χ^2 /NDF: 4607355029.7
 All: 128455.641 $\pm$ 0.026 χ^2 /NDF: 867807612
 - sign 128402.856 $\pm$ 0.037 χ^2 /NDF: 4066573561.0

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 180.233 $\pm$ 0.038 χ^2 /NDF: 387194.1/15

Right Out: 124.625 $\pm$ 0.036 χ^2 /NDF: 1531827.4/18

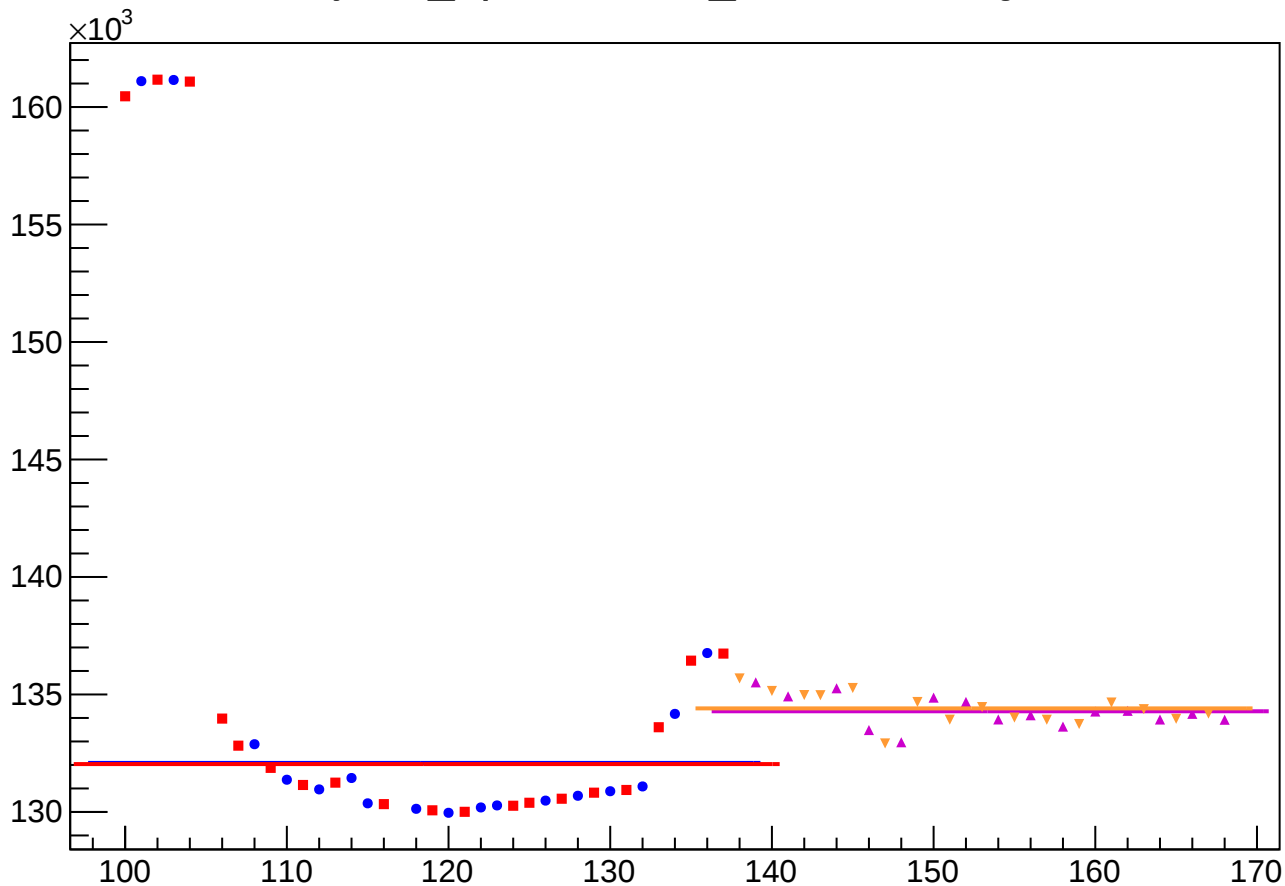
Left In: 184.565 $\pm$ 0.039 χ^2 /NDF: 339795.6/14

+ sign 155.527 $\pm$ 0.027 χ^2 /NDF: 2758526.7/32

All: 153.791 $\pm$ 0.019 χ^2 /NDF: 5937370.0/66

- sign 152.129 $\pm$ 0.026 χ^2 /NDF: 3170620.2/33

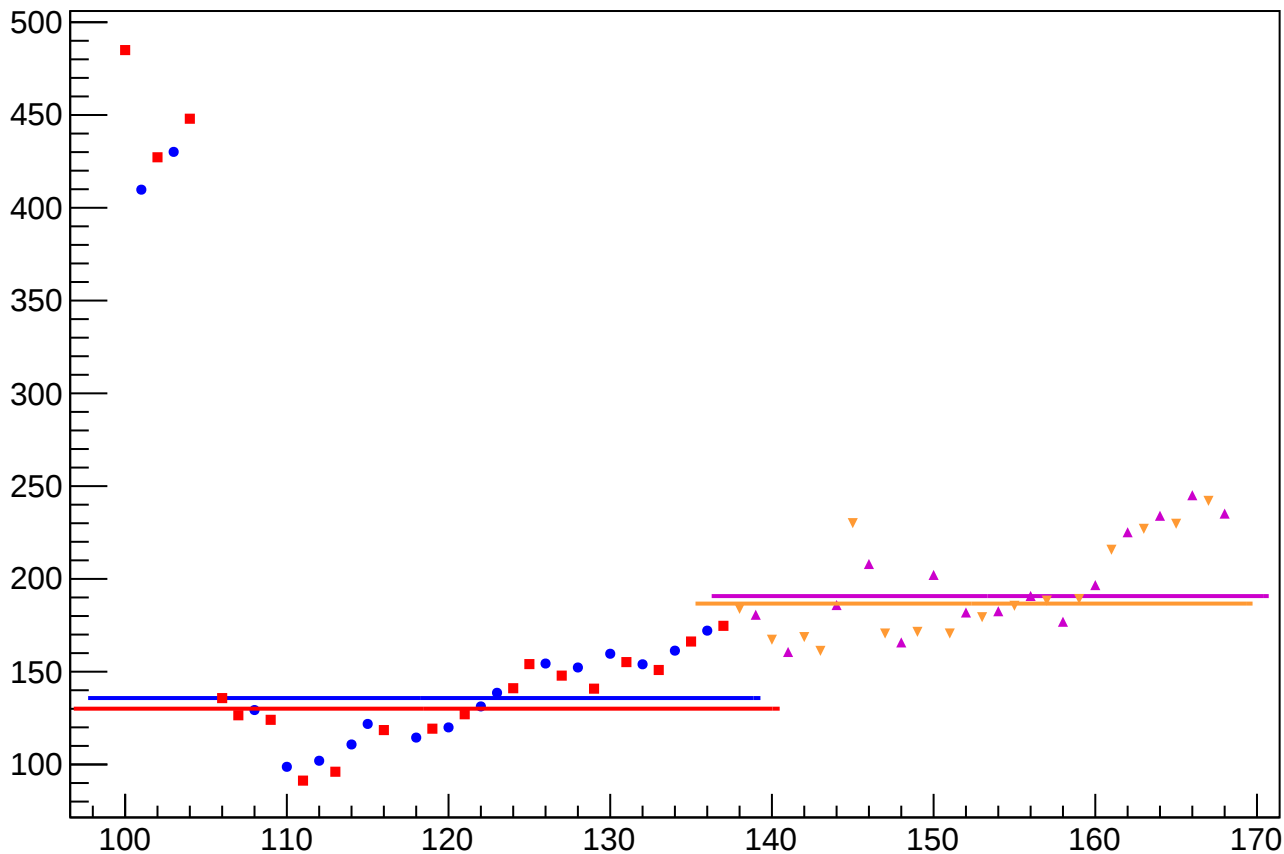
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134407.521 $\pm$ 0.055 χ^2 /NDF: 163511715.5/15
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134284.679 $\pm$ 0.057 χ^2 /NDF: 159273303.2/14

+ sign 133280.640 $\pm$ 0.039 χ^2 /NDF: 7763880465.1
 All: 133177.356 $\pm$ 0.028 χ^2 /NDF: 14666660
 - sign 133078.776 $\pm$ 0.038 χ^2 /NDF: 6889341703.9

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 186.697 $\pm$ 0.039 χ^2 /NDF: 359472.4/15

Right Out: 130.070 $\pm$ 0.037 χ^2 /NDF: 1503997.6/18

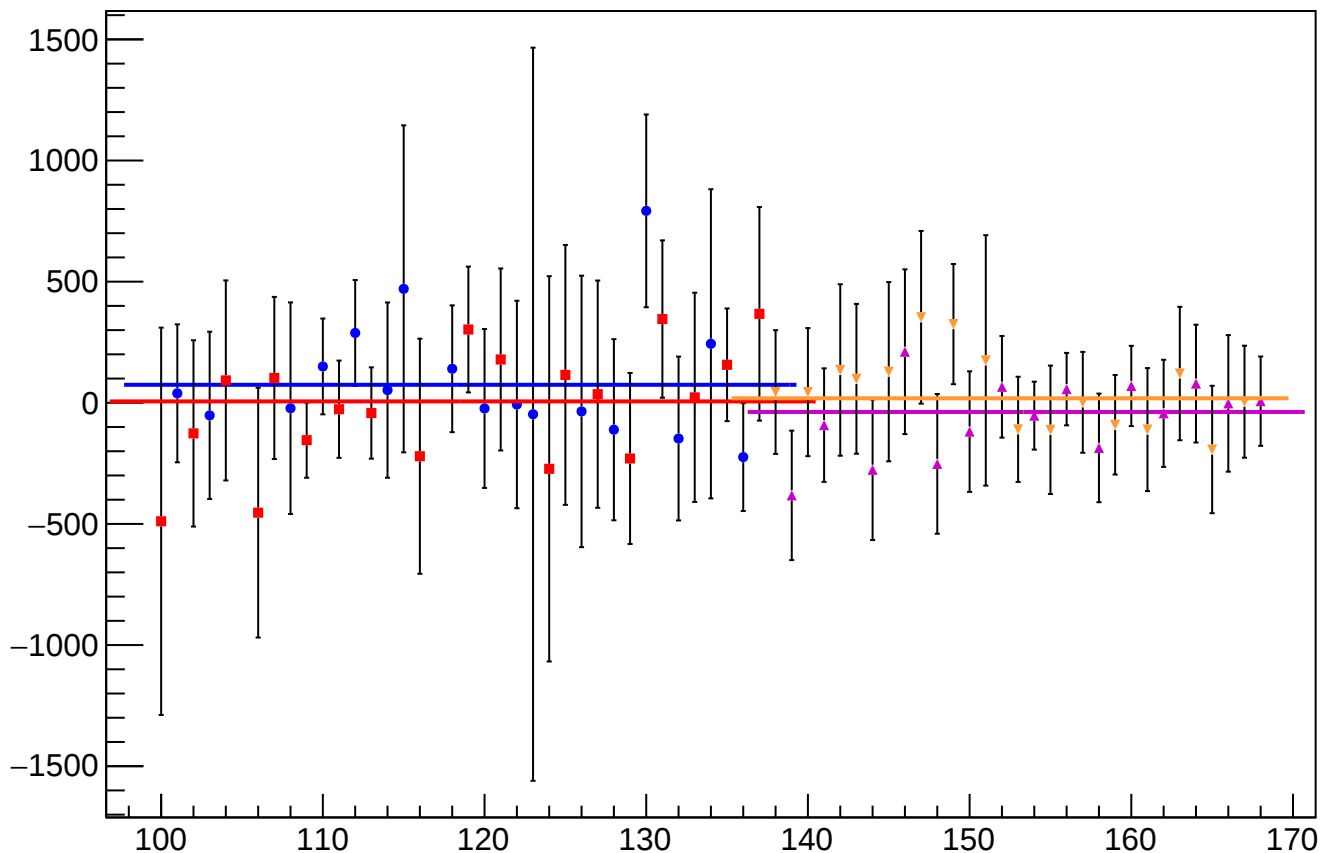
Left In: 190.743 $\pm$ 0.040 χ^2 /NDF: 324422.7/14

+ sign 161.981 $\pm$ 0.028 χ^2 /NDF: 2635678.8/32

All: 160.038 $\pm$ 0.019 χ^2 /NDF: 5709938.7/66

- sign 158.183 $\pm$ 0.027 χ^2 /NDF: 3064744.9/33

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 18.603+/-66.318 χ^2/NDF : 4.7/15

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

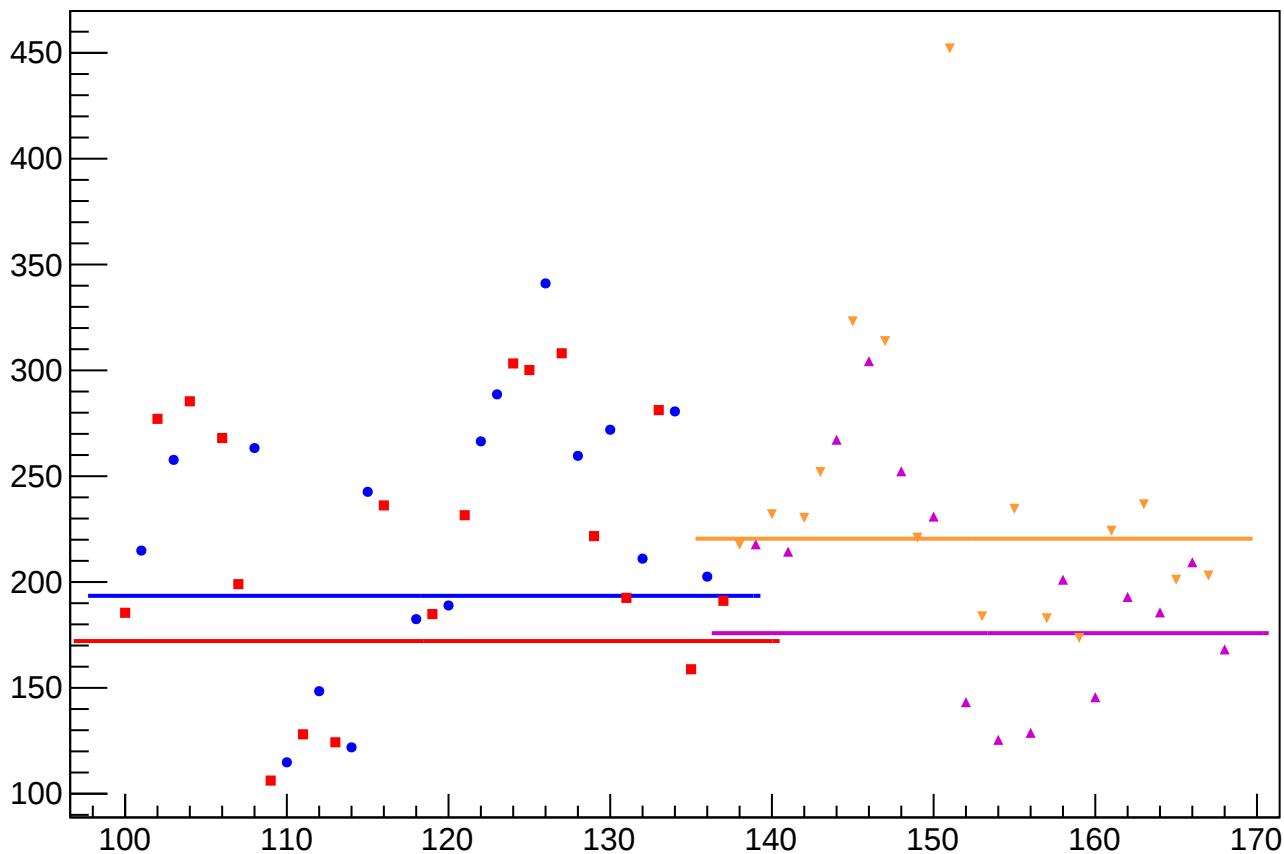
Left In: -37.849+/-54.638 χ^2/NDF : 5.4/14

+ sign 41.619+/-50.798 χ^2/NDF : 12.7/32

All: 4.987+/-32.859 χ^2/NDF : 26.3/66

- sign -21.367+/-43.087 χ^2/NDF : 12.8/33

asym_bcm_an_ds_rms vs Slug



Right In: 193.488+/-0.056 χ^2/NDF : 1017195.7/16

Left Out: 220.470+/-0.047 χ^2/NDF : 981216.1/15

Right Out: 172.122+/-0.050 χ^2/NDF : 1579840.2/18

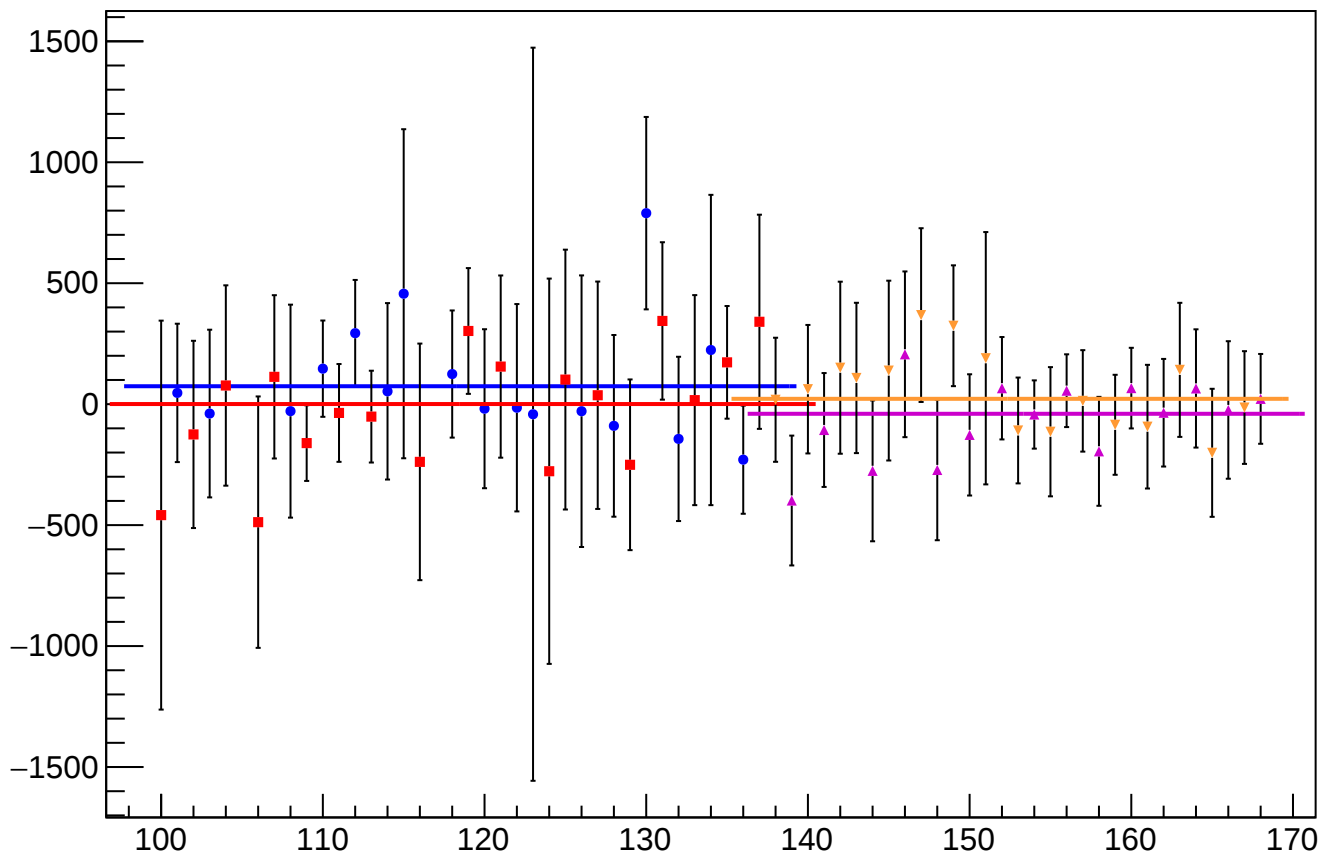
Left In: 175.853+/-0.039 χ^2/NDF : 1470614.0/14

+ sign 209.319+/-0.036 χ^2/NDF : 2135237.4/32

All: 189.035+/-0.023 χ^2/NDF : 5737526.7/66

- sign 174.442+/-0.030 χ^2/NDF : 3053979.3/33

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098 $\pm$ 79.404 χ^2 /NDF: 7.6/16

Left Out: 22.087 $\pm$ 66.750 χ^2 /NDF: 4.8/15

Right Out: 0.503 $\pm$ 70.437 χ^2 /NDF: 7.3/18

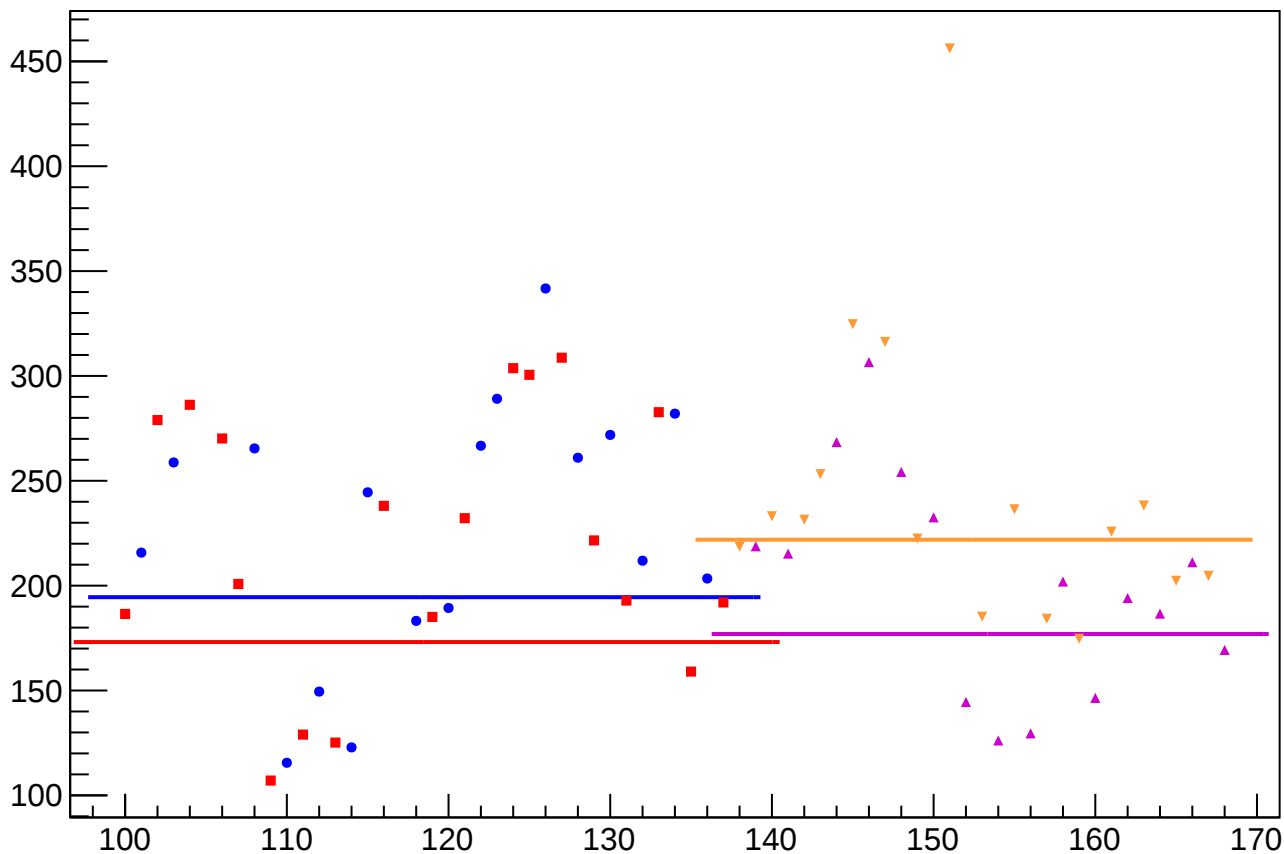
Left In: -39.790 $\pm$ 54.978 χ^2 /NDF: 5.6/14

+ sign 43.623 $\pm$ 51.095 χ^2 /NDF: 12.6/32

All: 3.983 $\pm$ 33.051 χ^2 /NDF: 26.8/66

- sign -24.536 $\pm$ 43.339 χ^2 /NDF: 13.1/33

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 221.905 $\pm$ 0.047 χ^2 /NDF: 980356.4/15

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

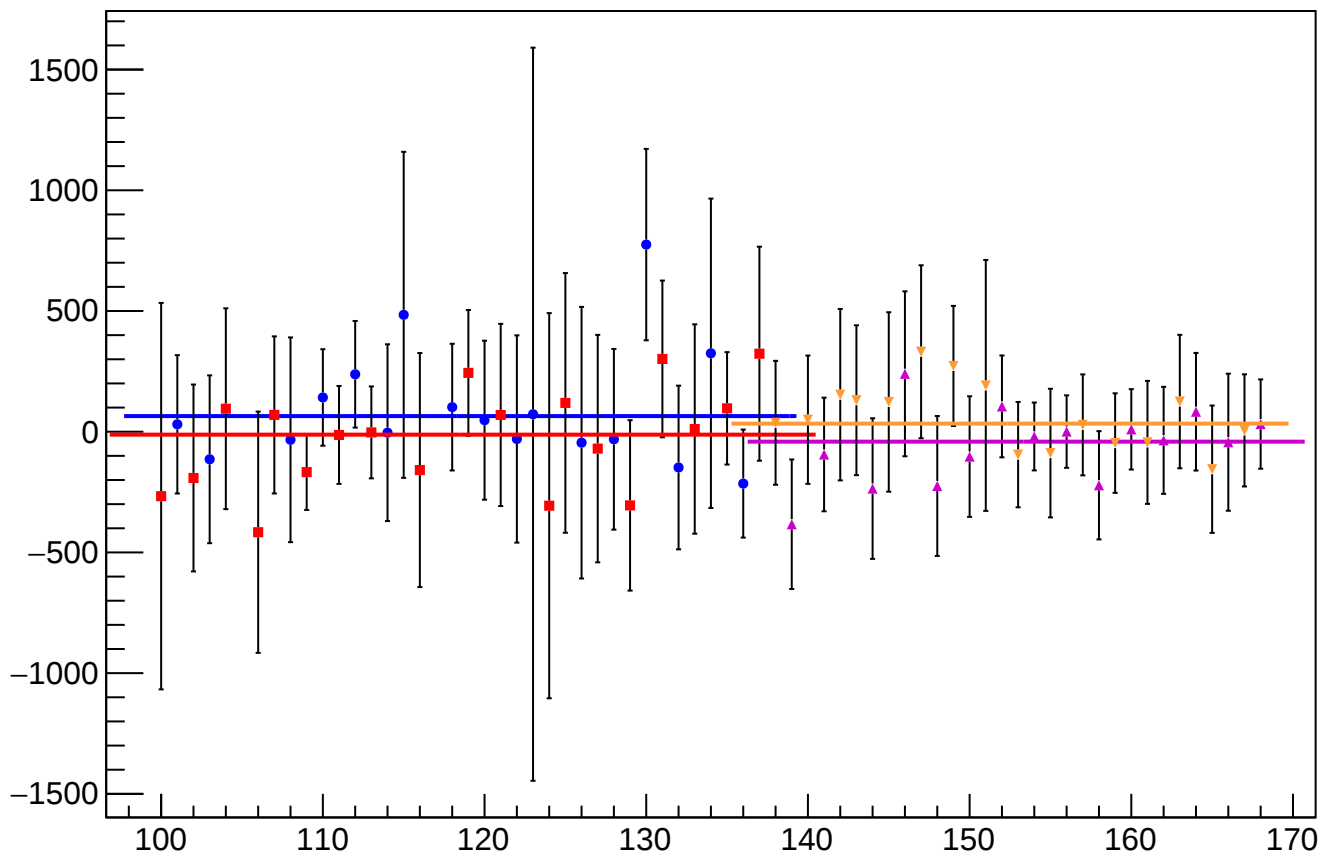
Left In: 176.944 $\pm$ 0.039 χ^2 /NDF: 1469180.2/14

+ sign 210.556 $\pm$ 0.036 χ^2 /NDF: 2128498.1/32

All: 190.164 $\pm$ 0.023 χ^2 /NDF: 5716478.6/66

- sign 175.493 $\pm$ 0.031 χ^2 /NDF: 3040234.6/33

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 33.487 ± 66.597 χ^2/NDF : 3.4/15

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

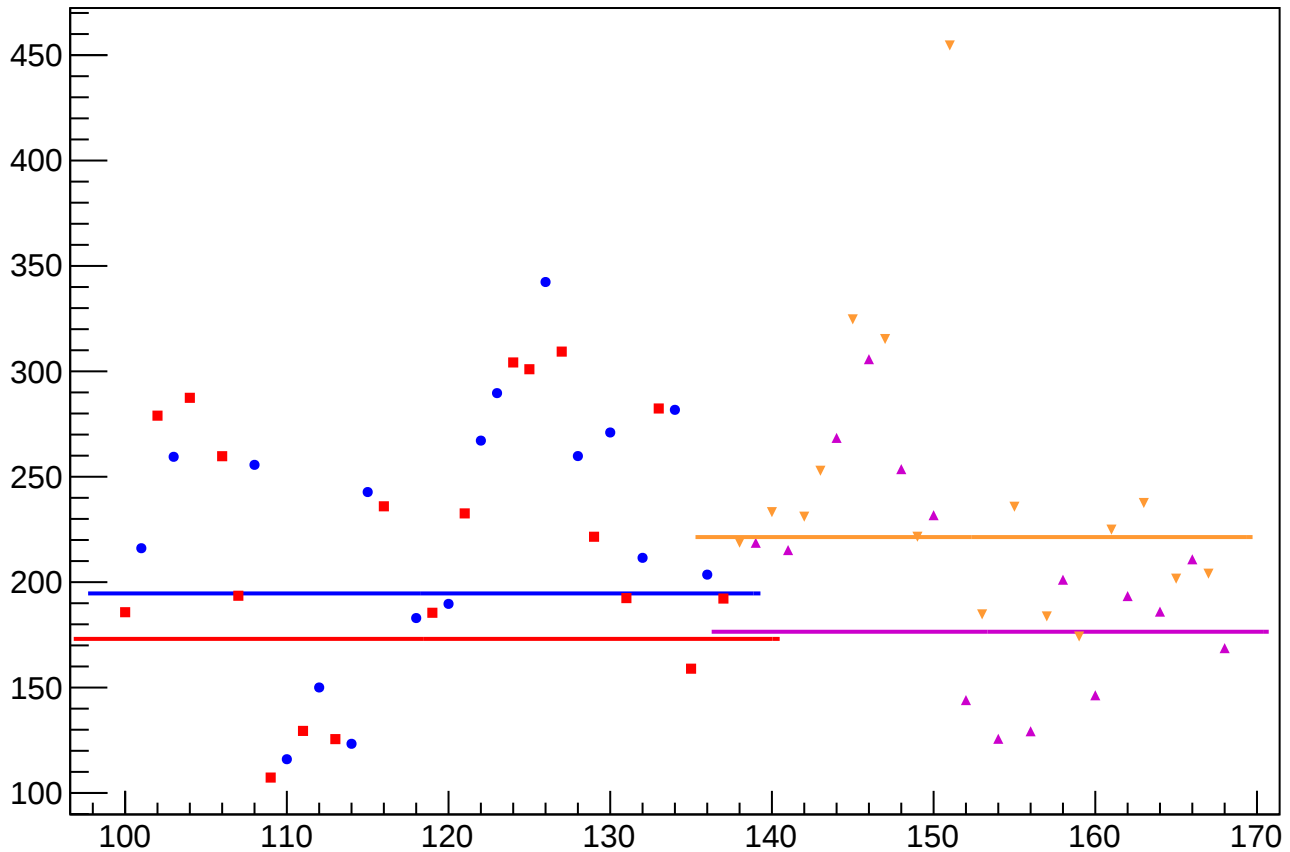
Left In: -41.194 ± 54.836 χ^2/NDF : 5.0/14

+ sign 46.391 ± 51.025 χ^2/NDF : 10.5/32

All: 1.825 ± 32.993 χ^2/NDF : 22.8/66

- sign -30.198 ± 43.252 χ^2/NDF : 10.9/33

asym_bcm_an_us_rms vs Slug



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 221.384 $\pm$ 0.047 χ^2 /NDF: 982384.7/15

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

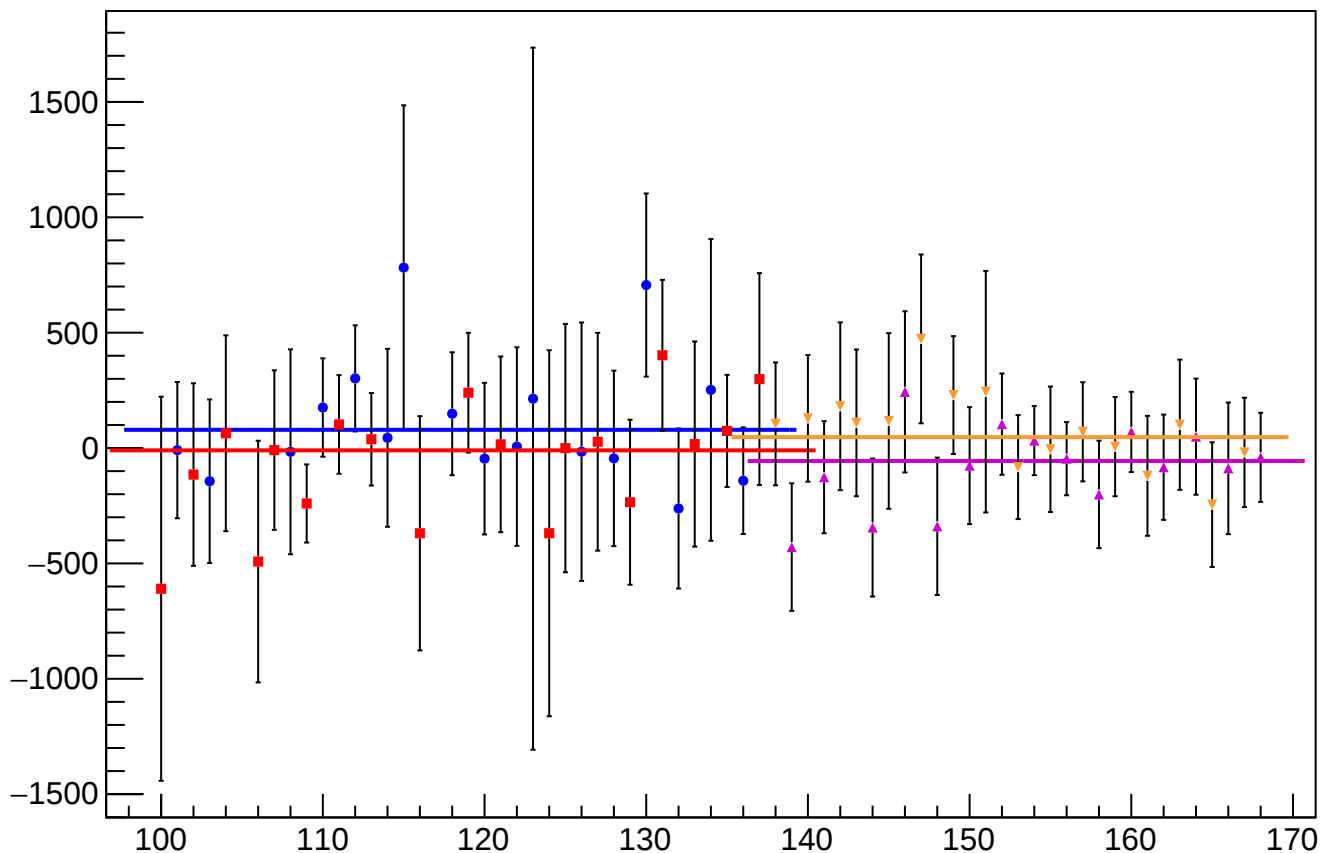
Left In: 176.476 $\pm$ 0.039 χ^2 /NDF: 1472874.7/14

+ sign 210.344 $\pm$ 0.036 χ^2 /NDF: 2102270.3/32

All: 189.892 $\pm$ 0.023 χ^2 /NDF: 5674798.5/66

- sign 175.196 $\pm$ 0.031 χ^2 /NDF: 3020298.9/33

asym_bcm_dg_us_mean vs Slug



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 47.480+/-68.420 χ^2/NDF : 4.5/15

Right Out: -9.982+/-73.310 χ^2/NDF : 7.9/18

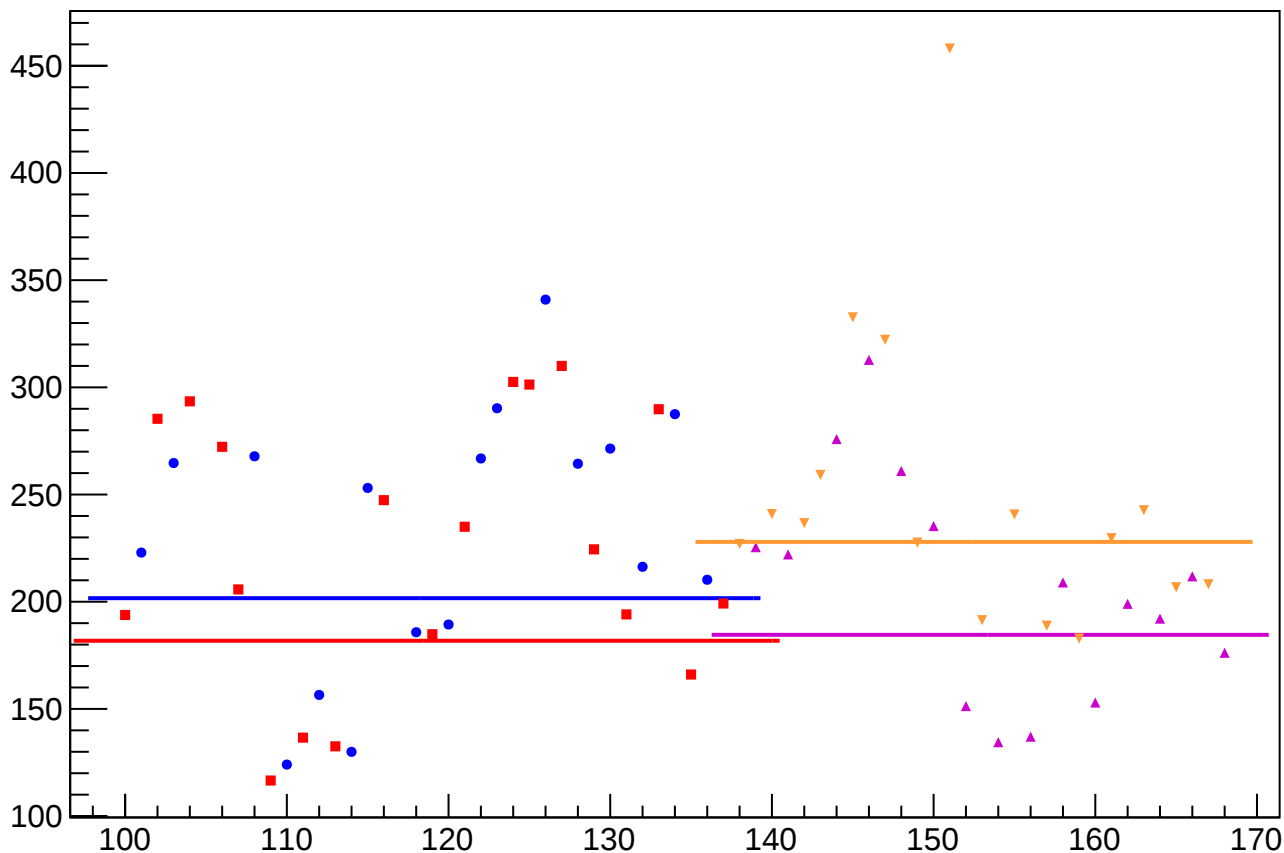
Left In: -56.084+/-57.072 χ^2/NDF : 6.5/14

+ sign 60.493+/-52.501 χ^2/NDF : 12.1/32

All: 3.354+/-34.182 χ^2/NDF : 28.7/66

- sign -38.687+/-45.034 χ^2/NDF : 14.6/33

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 227.905 $\pm$ 0.048 χ^2 /NDF: 938803.6/15

Right Out: 181.797 $\pm$ 0.052 χ^2 /NDF: 1377449.9/18

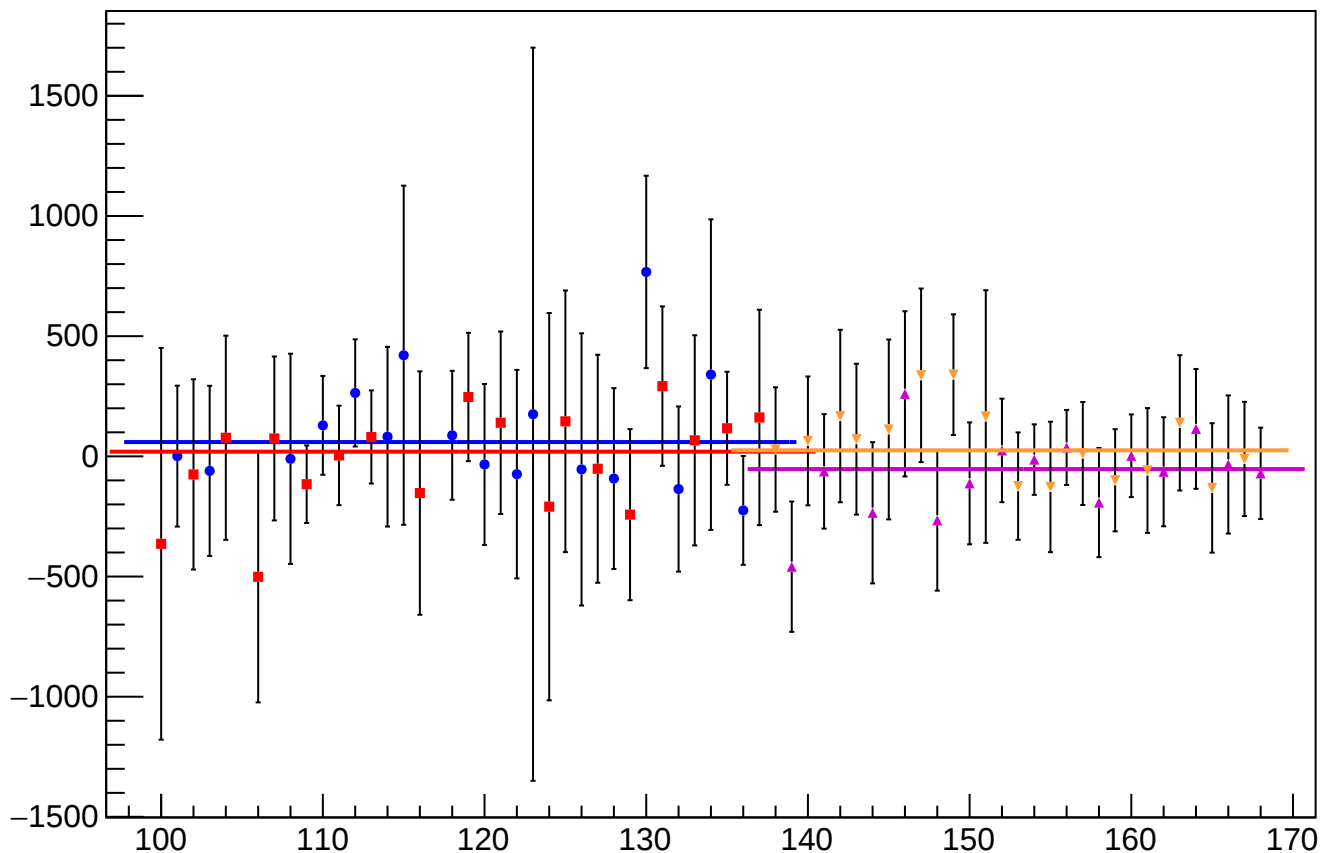
Left In: 184.557 $\pm$ 0.040 χ^2 /NDF: 1328277.4/14

+ sign 217.111 $\pm$ 0.037 χ^2 /NDF: 1943043.0/32

All: 197.756 $\pm$ 0.024 χ^2 /NDF: 5122325.9/66

- sign 183.516 $\pm$ 0.032 χ^2 /NDF: 2707492.2/33

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 $\pm$ 80.808 χ^2/NDF : 7.0/16

Left Out: 25.110 $\pm$ 67.798 χ^2/NDF : 4.4/15

Right Out: 19.541 $\pm$ 71.866 χ^2/NDF : 4.7/18

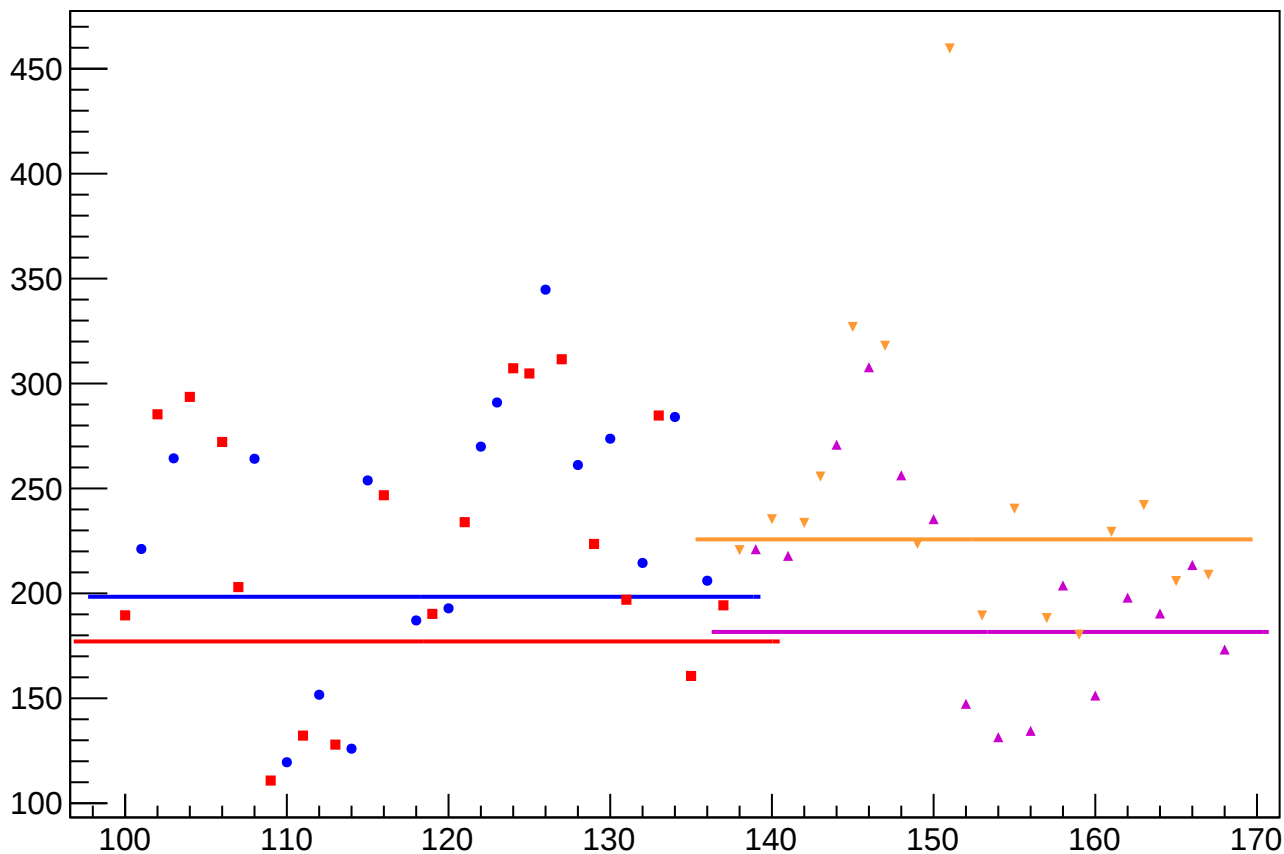
Left In: -52.853 $\pm$ 56.243 χ^2/NDF : 5.5/14

+ sign 39.315 $\pm$ 51.939 χ^2/NDF : 11.5/32

All: 1.873 $\pm$ 33.702 χ^2/NDF : 23.3/66

- sign -25.355 $\pm$ 44.292 χ^2/NDF : 10.9/33

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 225.734 $\pm$ 0.048 χ^2 /NDF: 934967.9/15

Right Out: 177.096 $\pm$ 0.051 χ^2 /NDF: 1524763.6/18

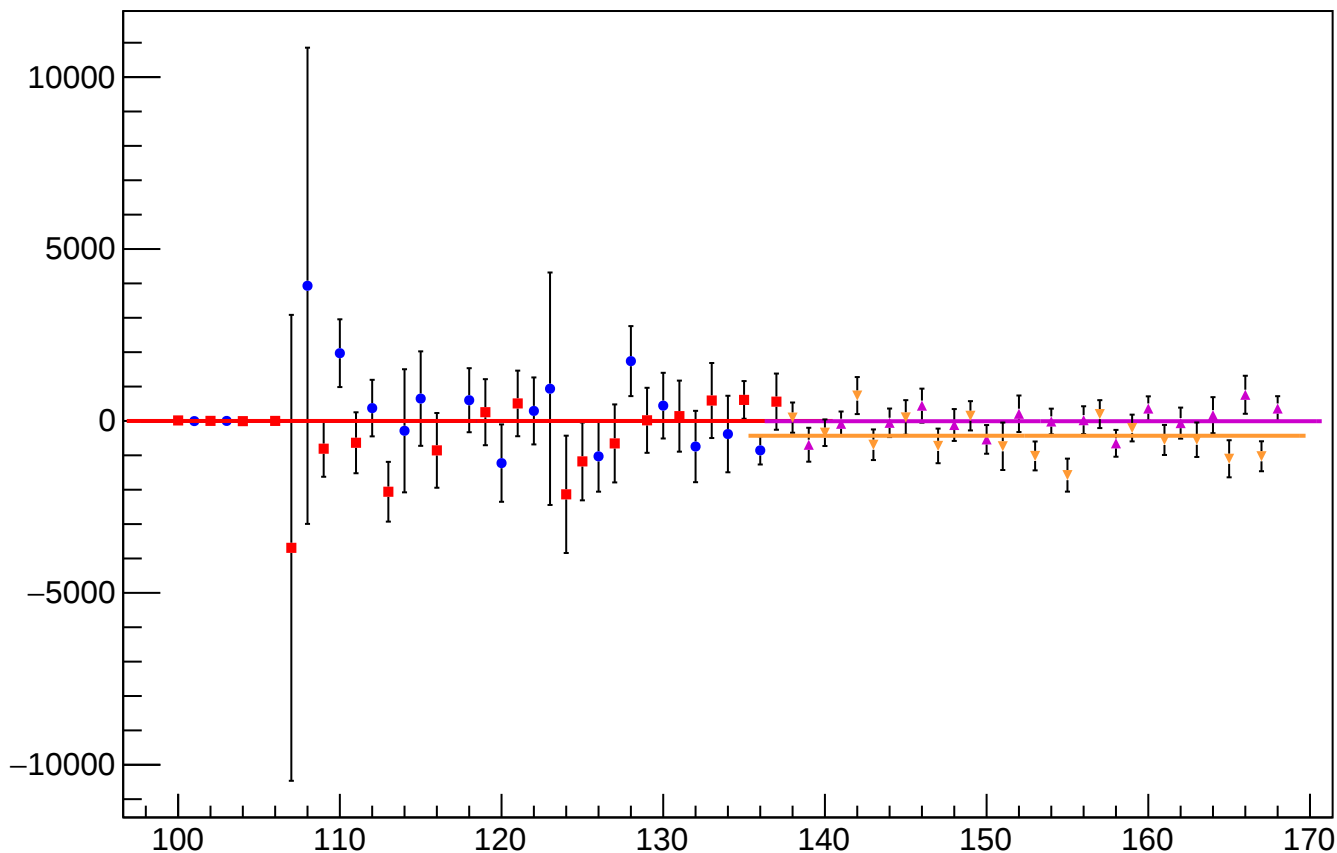
Left In: 181.619 $\pm$ 0.040 χ^2 /NDF: 1351734.1/14

+ sign 214.433 $\pm$ 0.037 χ^2 /NDF: 2033151.3/32

All: 194.440 $\pm$ 0.024 χ^2 /NDF: 5426395.6/66

- sign 179.901 $\pm$ 0.031 χ^2 /NDF: 2881411.7/33

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -430.610 ± 114.346 χ^2/NDF : 24.0/15

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

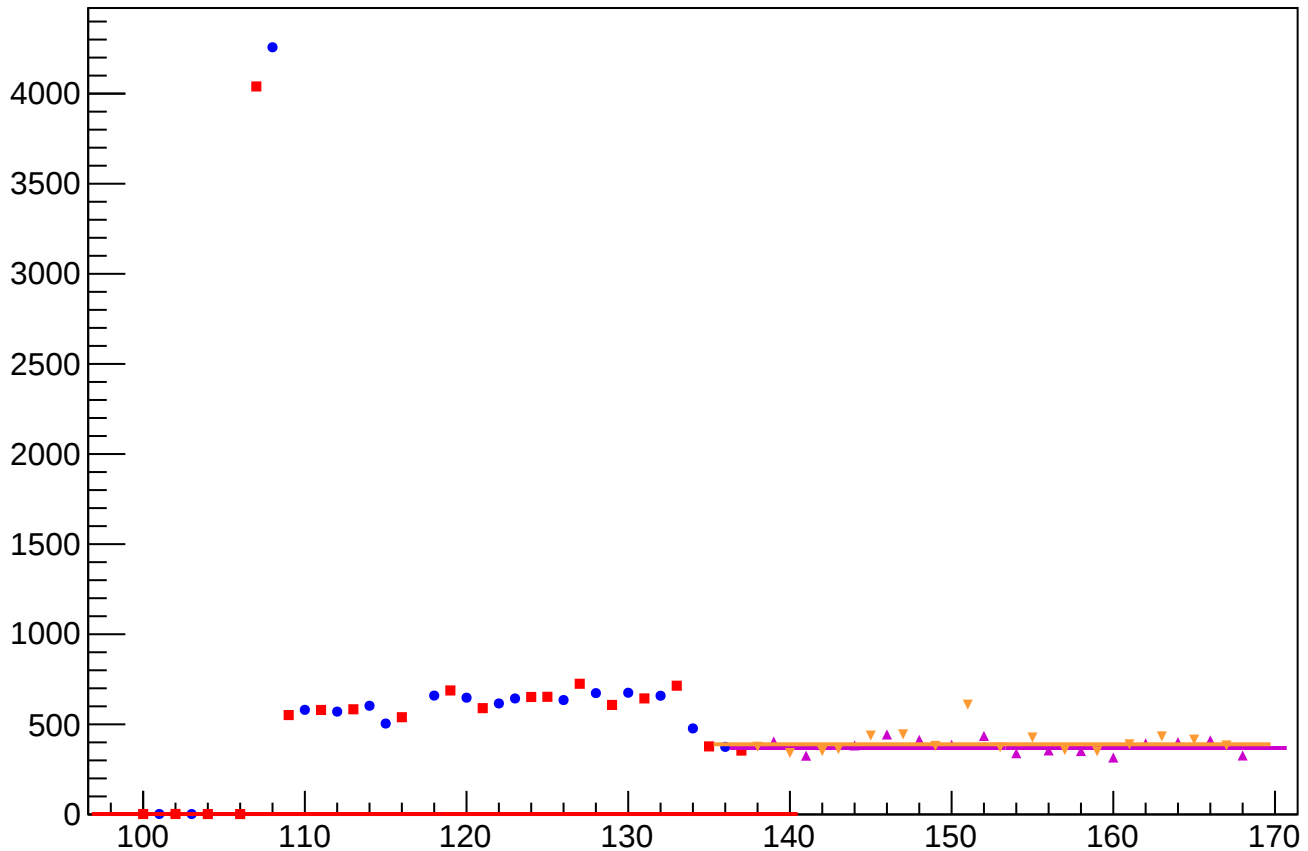
Left In: -7.843 ± 109.588 χ^2/NDF : 11.6/14

+ sign -1.696 ± 2.251 χ^2/NDF : 55.0/32

All: -1.181 ± 1.540 χ^2/NDF : 86.0/66

- sign -0.729 ± 2.111 χ^2/NDF : 30.9/33

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 389.364+/-0.081 χ^2/NDF : 365126.1/15

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

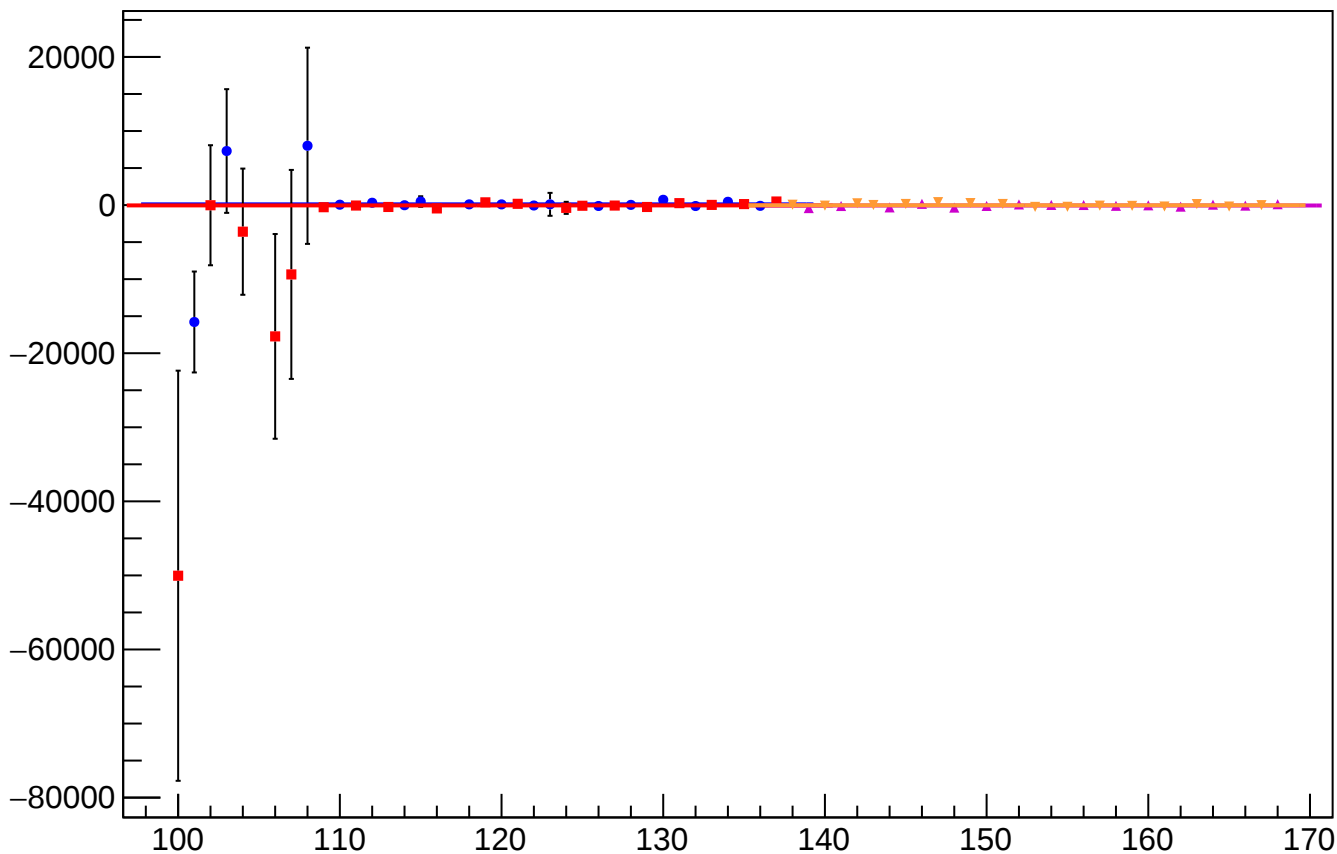
Left In: 368.784+/-0.077 χ^2/NDF : 257878.6/14

+ sign 2.607+/-0.002 χ^2/NDF : 34102086.4/32

All: 2.589+/-0.001 χ^2/NDF : 67849797.3/66

- sign 2.573+/-0.001 χ^2/NDF : 33747468.8/33

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -26.041+/-70.413 χ^2/NDF : 6.0/15

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

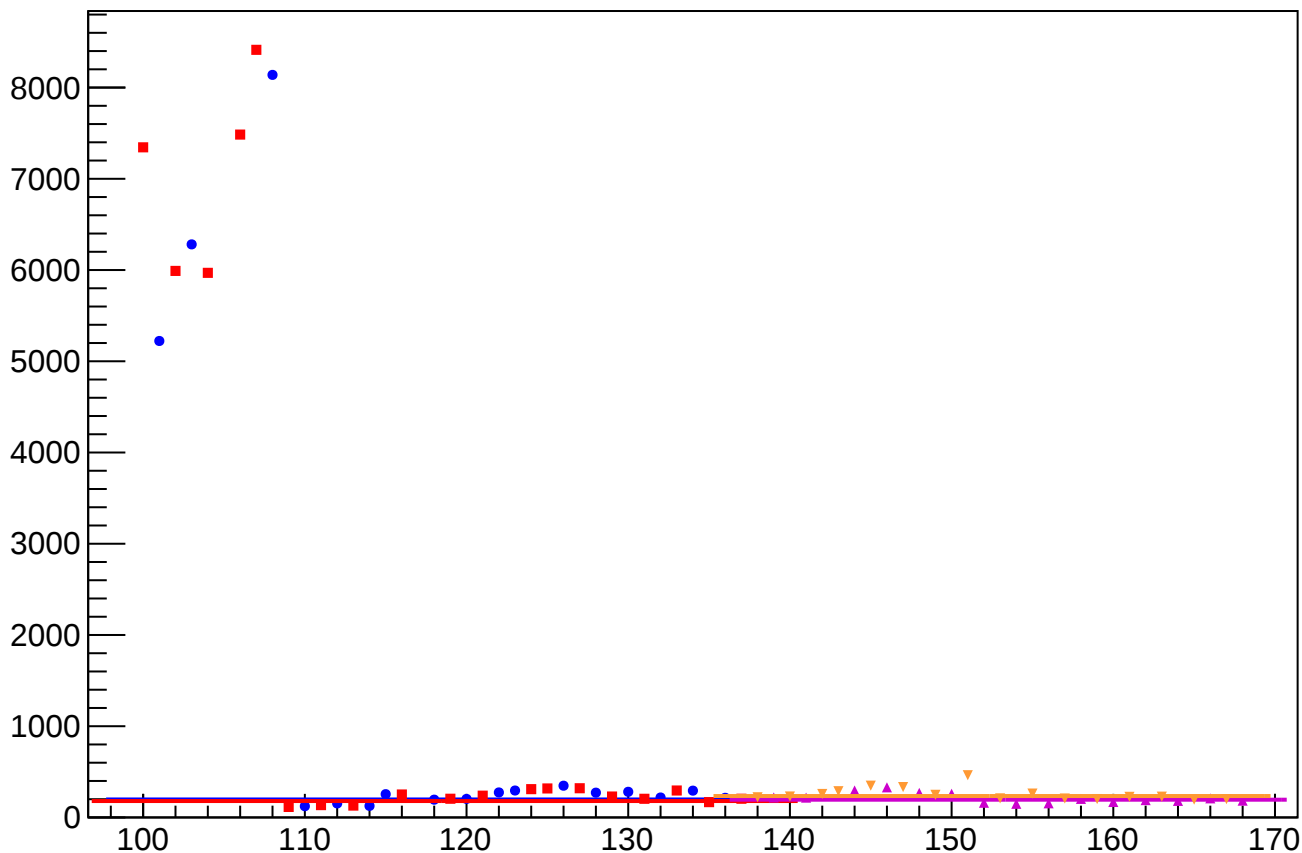
Left In: -55.803+/-59.746 χ^2/NDF : 6.0/14

+ sign 20.743+/-55.656 χ^2/NDF : 19.0/32

All: -20.001+/-36.685 χ^2/NDF : 39.8/66

- sign -51.303+/-48.783 χ^2/NDF : 19.9/33

asym_cav4cQ_rms vs Slug



Right In: 197.086 $\pm$ 0.064 χ^2 /NDF: 3693614.0/16

Left Out: 234.857 $\pm$ 0.050 χ^2 /NDF: 934582.7/15

Right Out: 179.949 $\pm$ 0.060 χ^2 /NDF: 4321173.8/18

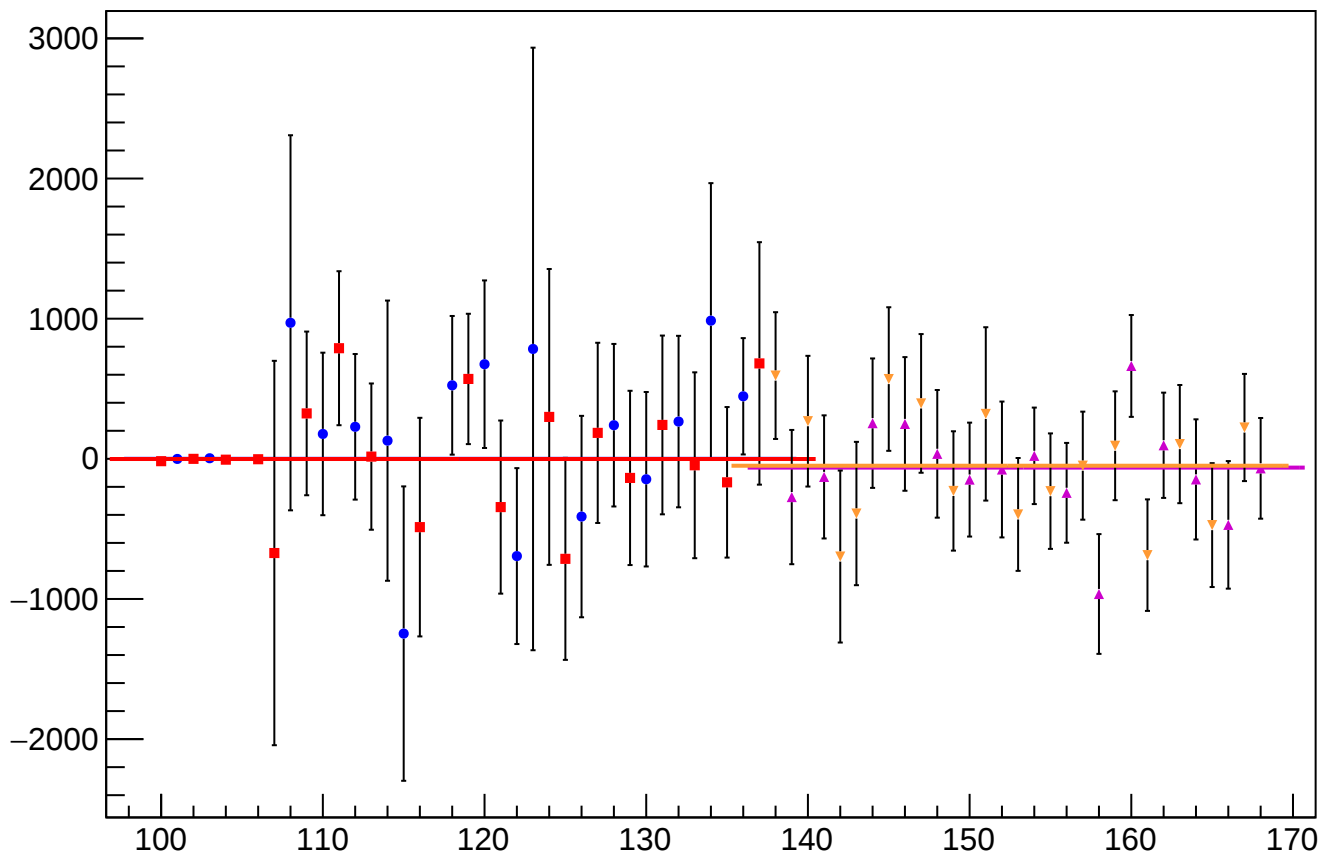
Left In: 194.583 $\pm$ 0.042 χ^2 /NDF: 1068762.2/14

+ sign 220.685 $\pm$ 0.039 χ^2 /NDF: 4844141.4/32

All: 203.165 $\pm$ 0.026 χ^2 /NDF: 10624499.6/60

- sign 189.705 $\pm$ 0.034 χ^2 /NDF: 5429926.7/33

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -49.294 ± 110.899 χ^2/NDF : 12.1/15

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

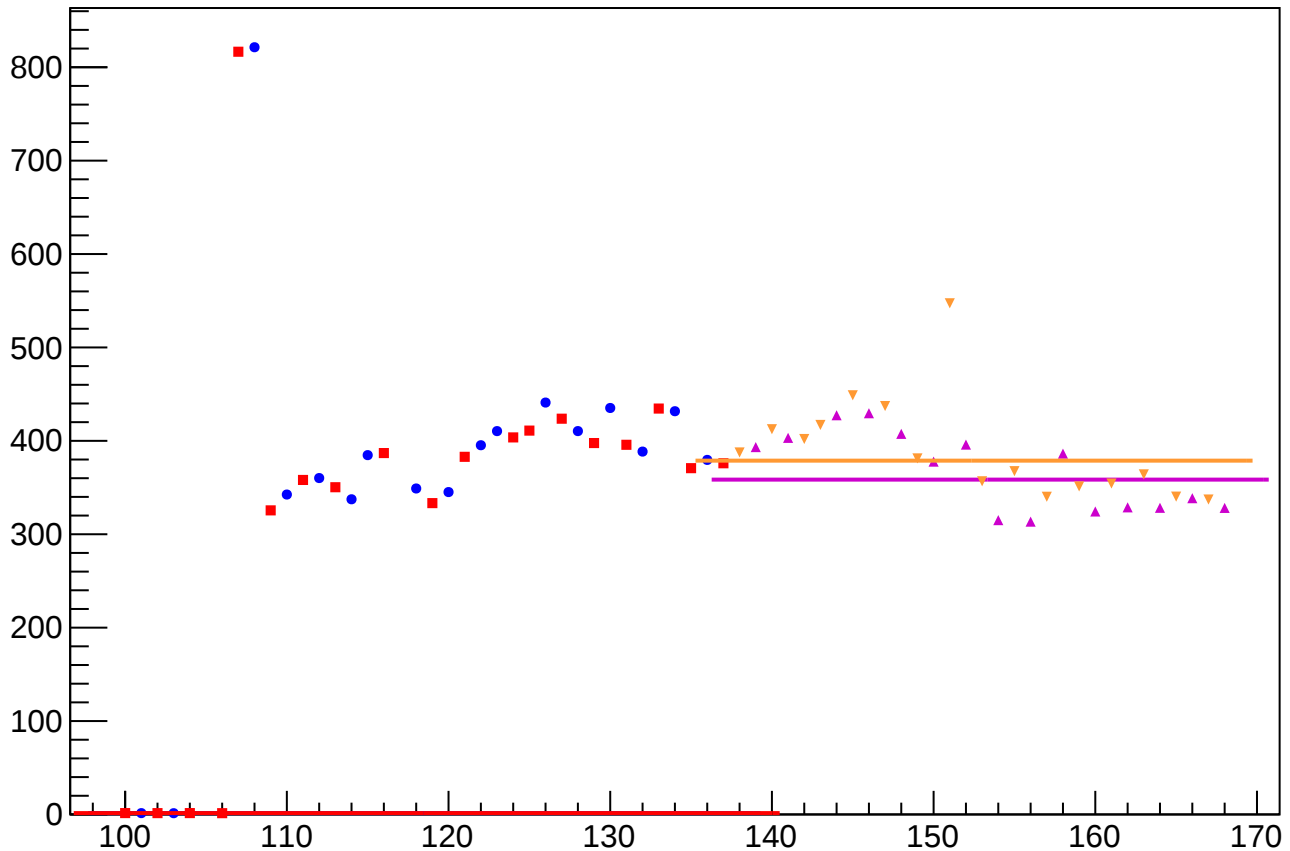
Left In: -62.697 ± 106.457 χ^2/NDF : 11.0/14

+ sign -0.150 ± 1.736 χ^2/NDF : 22.0/32

All: -0.784 ± 1.185 χ^2/NDF : 43.2/66

- sign -1.338 ± 1.622 χ^2/NDF : 20.9/33

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 378.804+/-0.078 χ^2/NDF : 325508.4/15

Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

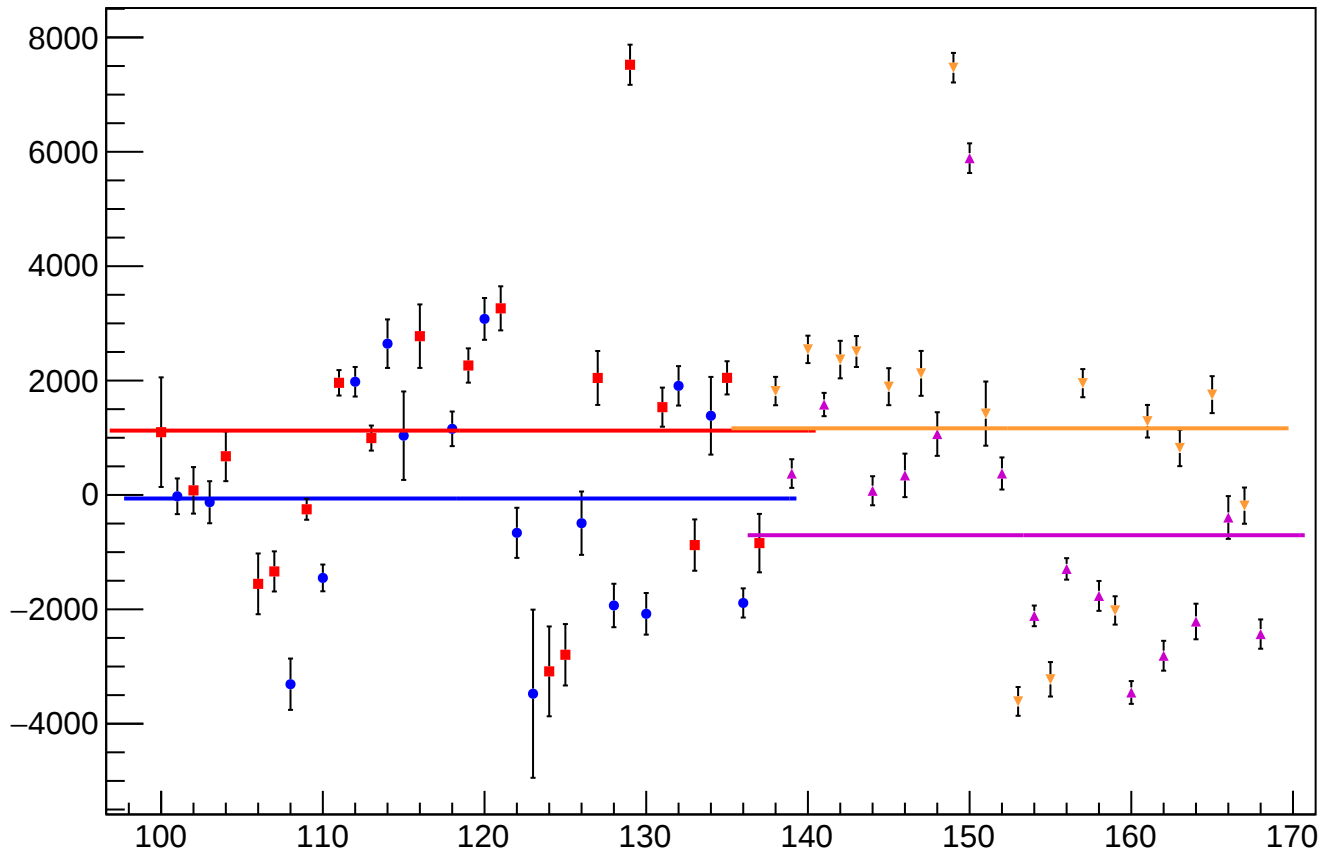
Left In: 358.492+/-0.075 χ^2/NDF : 290097.3/14

+ sign 1.545+/-0.001 χ^2/NDF : 34433821.1/32

All: 1.539+/-0.001 χ^2/NDF : 68096143.1/66

- sign 1.534+/-0.001 χ^2/NDF : 33662276.4/33

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 1165.193 ± 72.149 χ^2/NDF : 1454.2/15

Right Out: 1125.437 ± 78.370 χ^2/NDF : 671.2/18

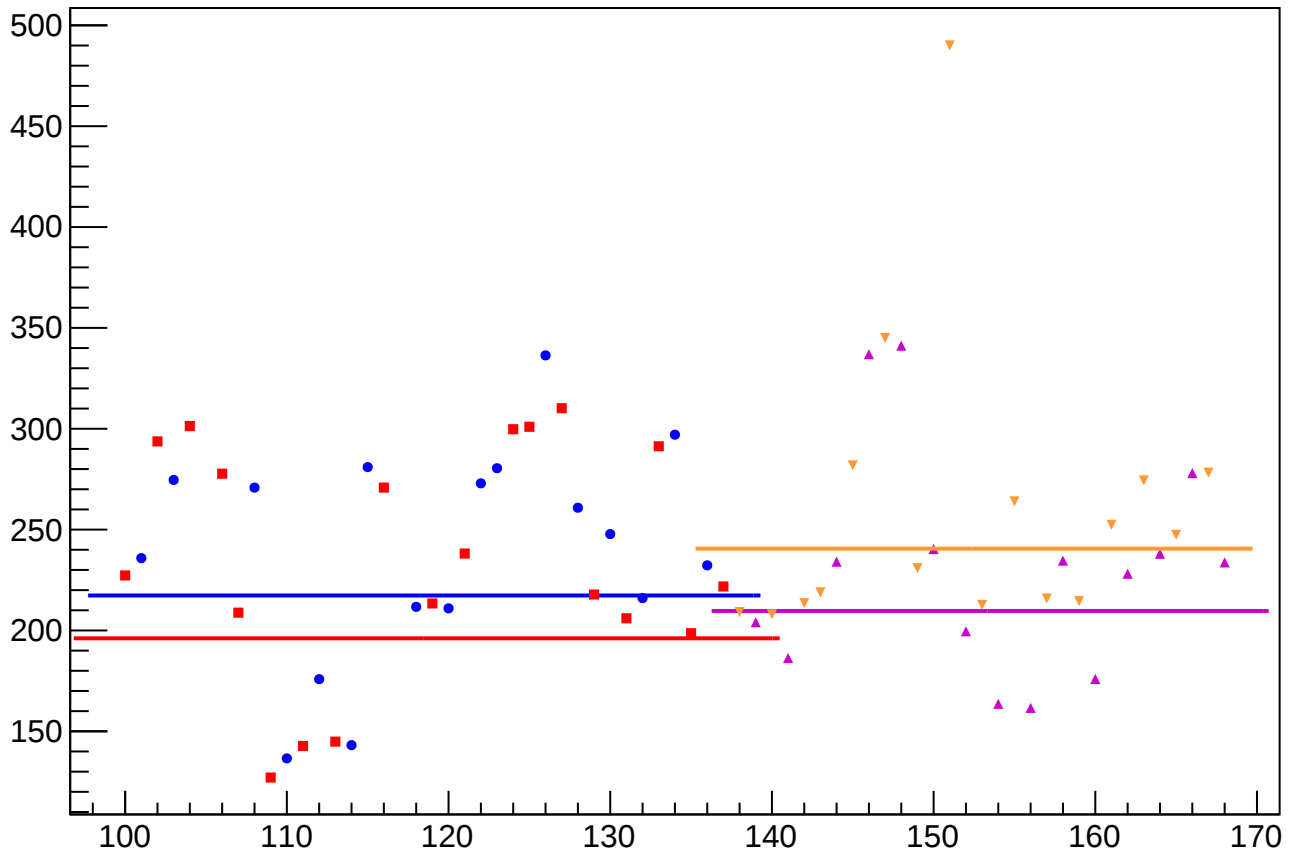
Left In: -703.969 ± 64.131 χ^2/NDF : 1255.6/14

+ sign 667.934 ± 55.646 χ^2/NDF : 2005.4/32

All: 312.498 ± 37.039 χ^2/NDF : 4331.8/66

- sign 29.748 ± 49.631 χ^2/NDF : 2253.1/33

asym_bcm0l02_rms vs Slug



Right In: 217.330+/-0.062 χ^2/NDF : 652722.5/16

Left Out: 240.562+/-0.051 χ^2/NDF : 802029.0/15

Right Out: 196.105+/-0.055 χ^2/NDF : 1190733.6/18

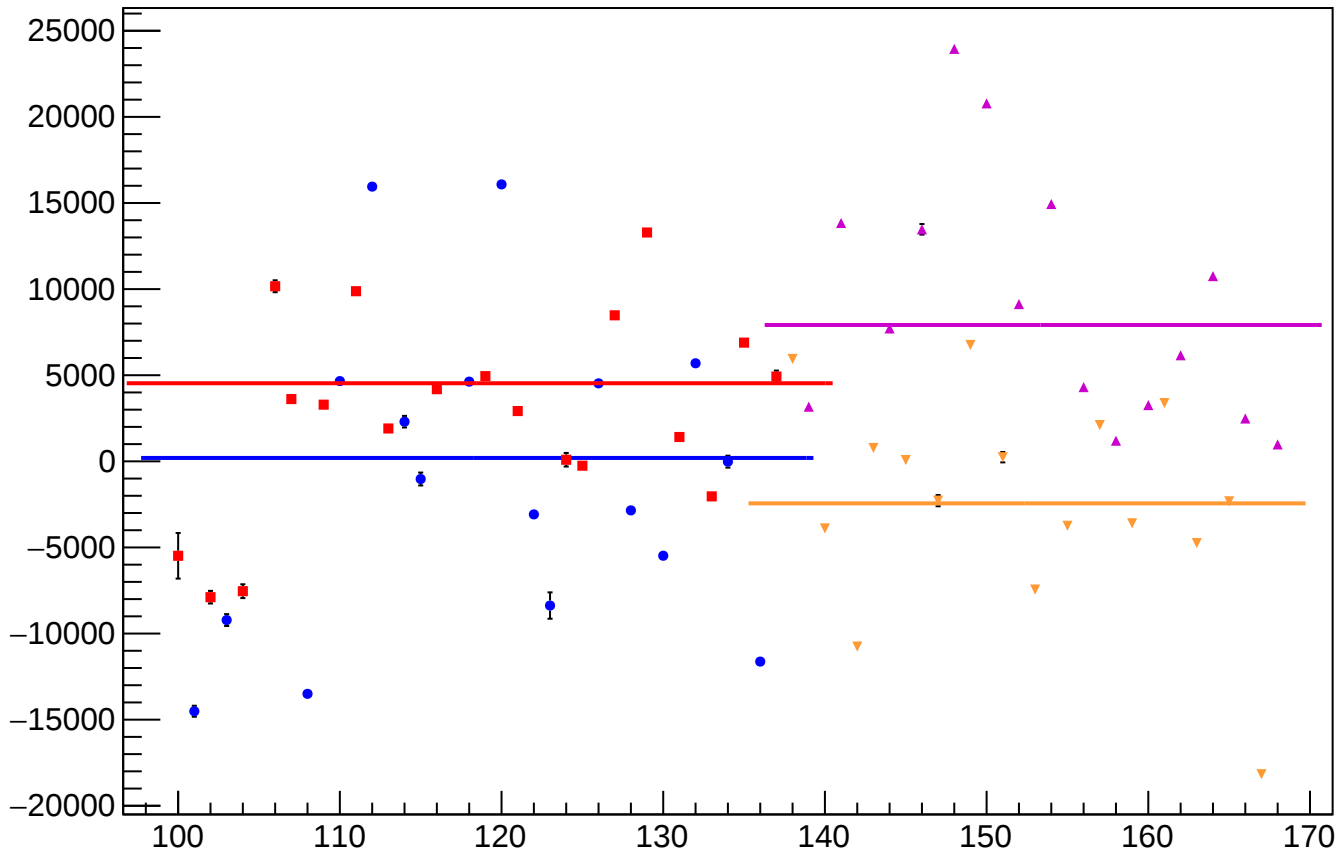
Left In: 209.665+/-0.045 χ^2/NDF : 985962.7/14

+ sign 231.150+/-0.039 χ^2/NDF : 1538768.7/32

All: 216.155+/-0.026 χ^2/NDF : 4012077.8/66

- sign 204.226+/-0.035 χ^2/NDF : 2212555.1/33

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -2440.246+/-50.525 χ^2/NDF :13671.5/15

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

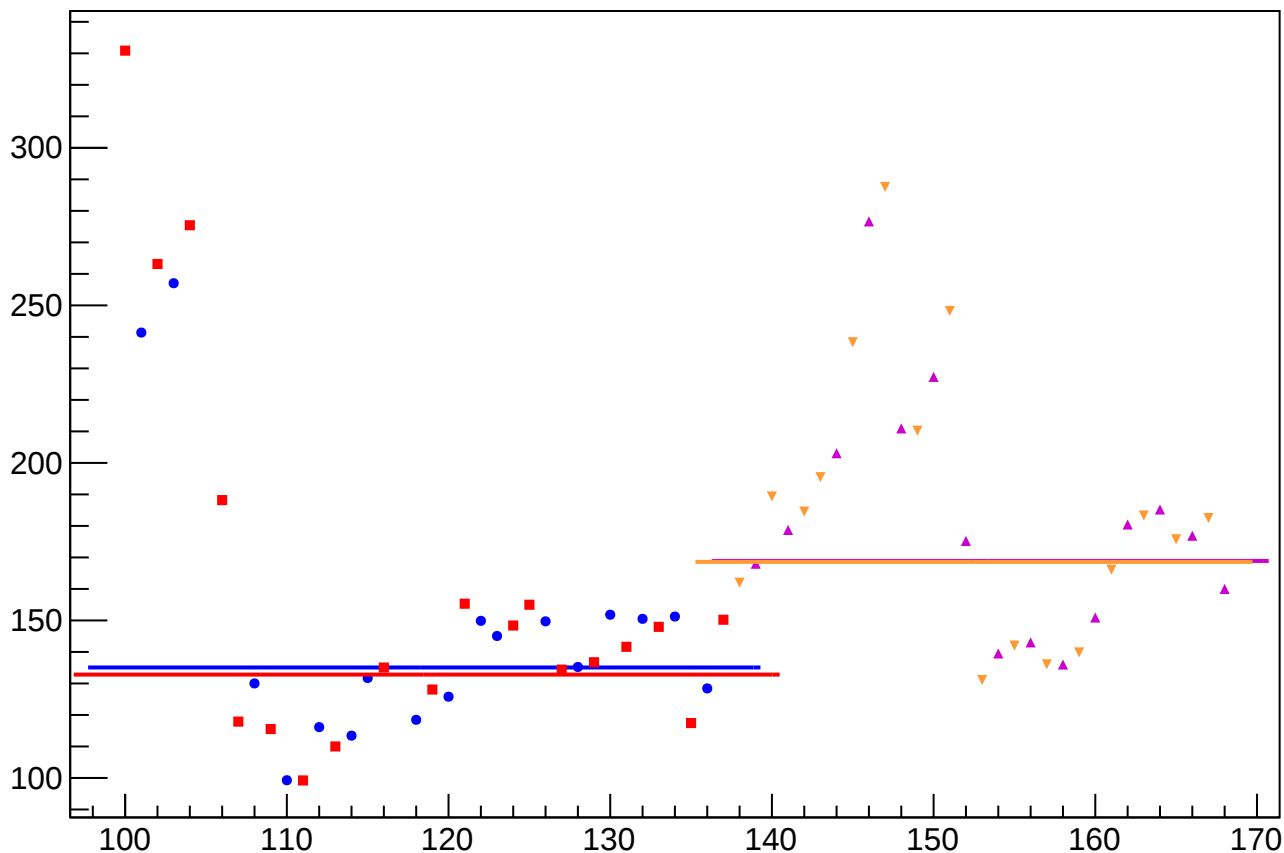
Left In: 7917.275+/-51.177 χ^2/NDF :16462.4/14

+ sign -1228.451+/-37.146 χ^2/NDF : 45581.7/32

All: 2571.661+/-26.083 χ^2/NDF : 92297.3/66

- sign 6267.672+/-36.633 χ^2/NDF : 26070.4/33

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 ± 0.039 χ^2/NDF : 658703.5/16

Left Out: 168.591 ± 0.036 χ^2/NDF : 1012860.5/15

Right Out: 132.816 ± 0.037 χ^2/NDF : 831191.5/18

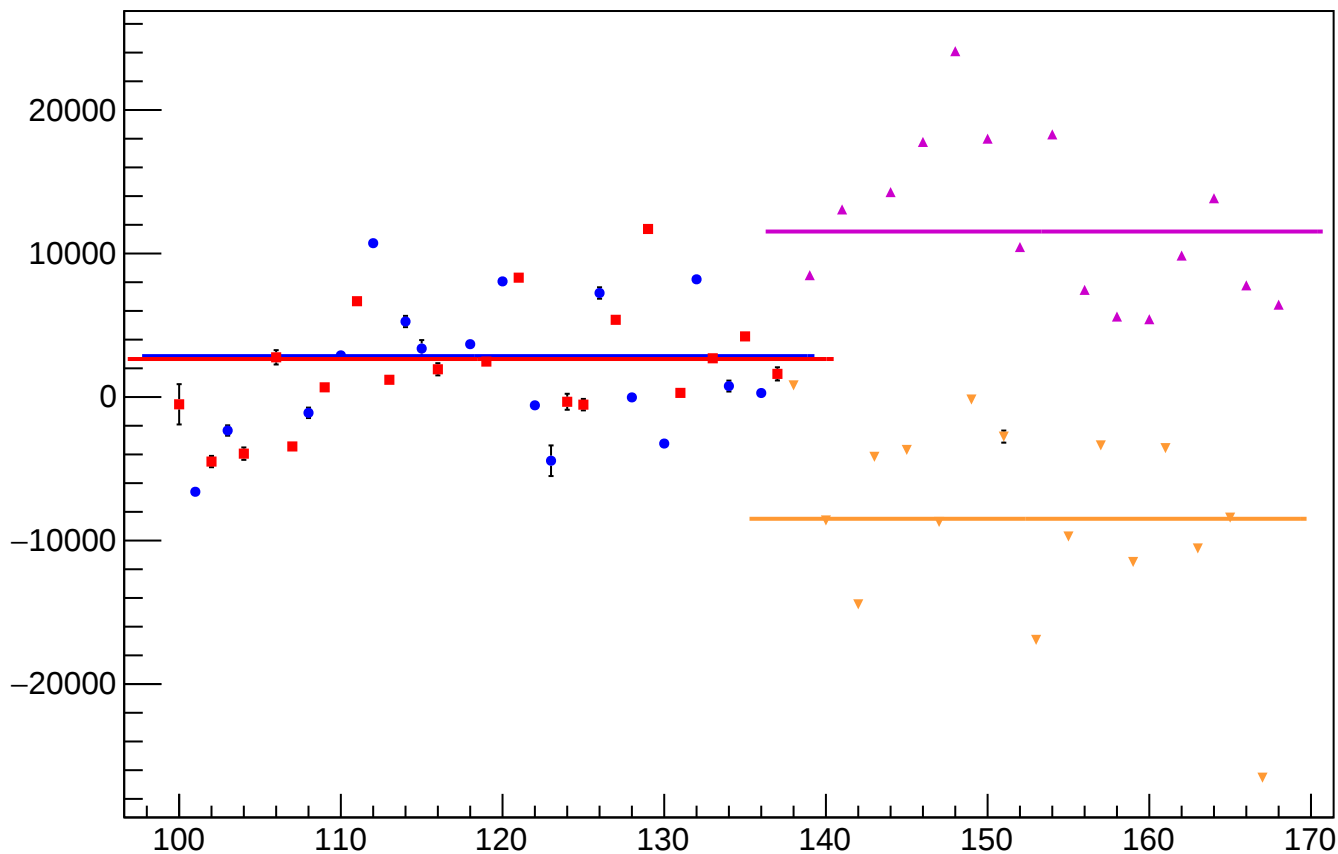
Left In: 168.885 ± 0.036 χ^2/NDF : 736712.3/14

+ sign 153.189 ± 0.026 χ^2/NDF : 2076021.3/32

All: 152.230 ± 0.018 χ^2/NDF : 4130968.3/66

- sign 151.298 ± 0.026 χ^2/NDF : 2052318.7/33

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -8482.959+/-57.447 χ^2/NDF :15098.2/15

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

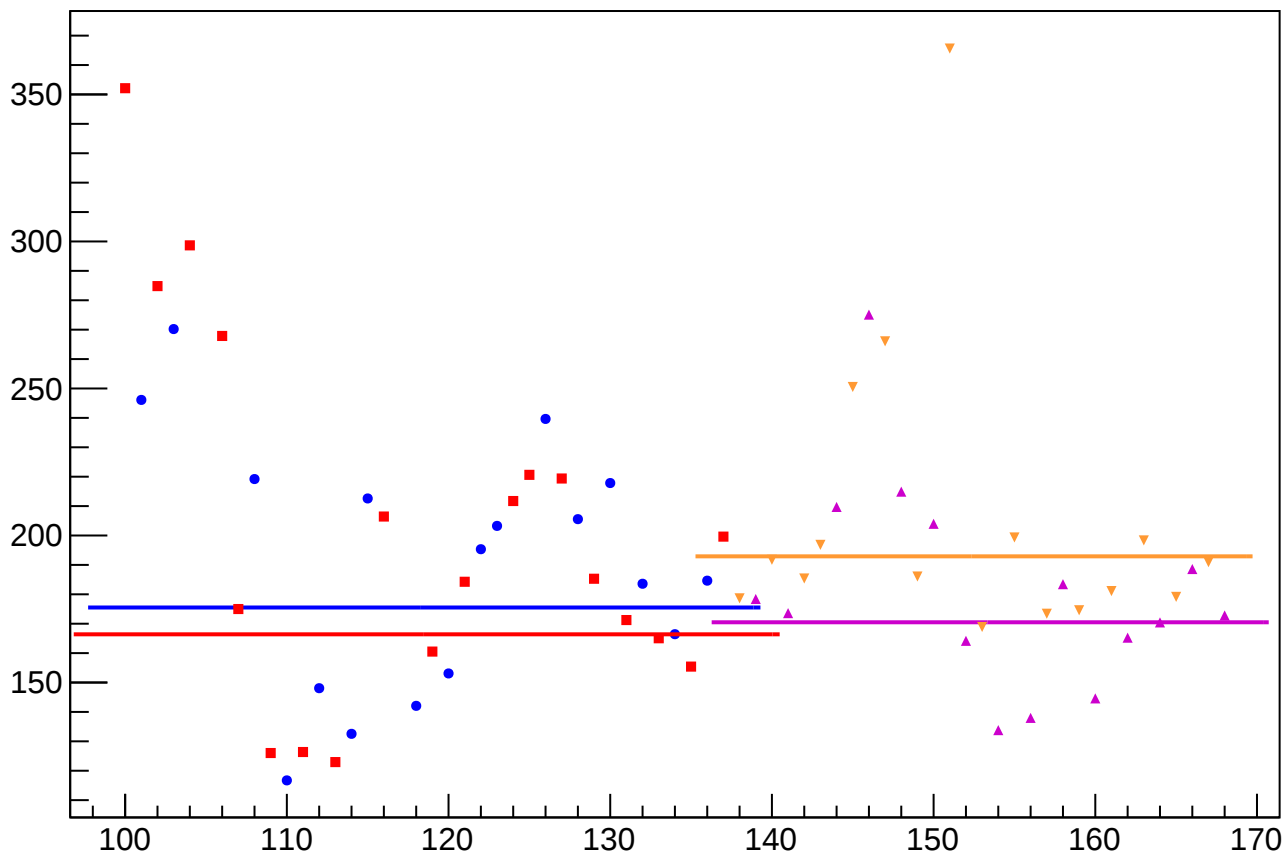
Left In: 11532.072+/-51.711 χ^2/NDF :10481.7/14

+ sign -3979.666+/-44.598 χ^2/NDF : 34742.9/32

All: 2639.318+/-30.039 χ^2/NDF : 100001.1/60

- sign 8136.112+/-40.642 χ^2/NDF : 24938.5/33

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 192.912 $\pm$ 0.041 χ^2 /NDF: 628067.8/15

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

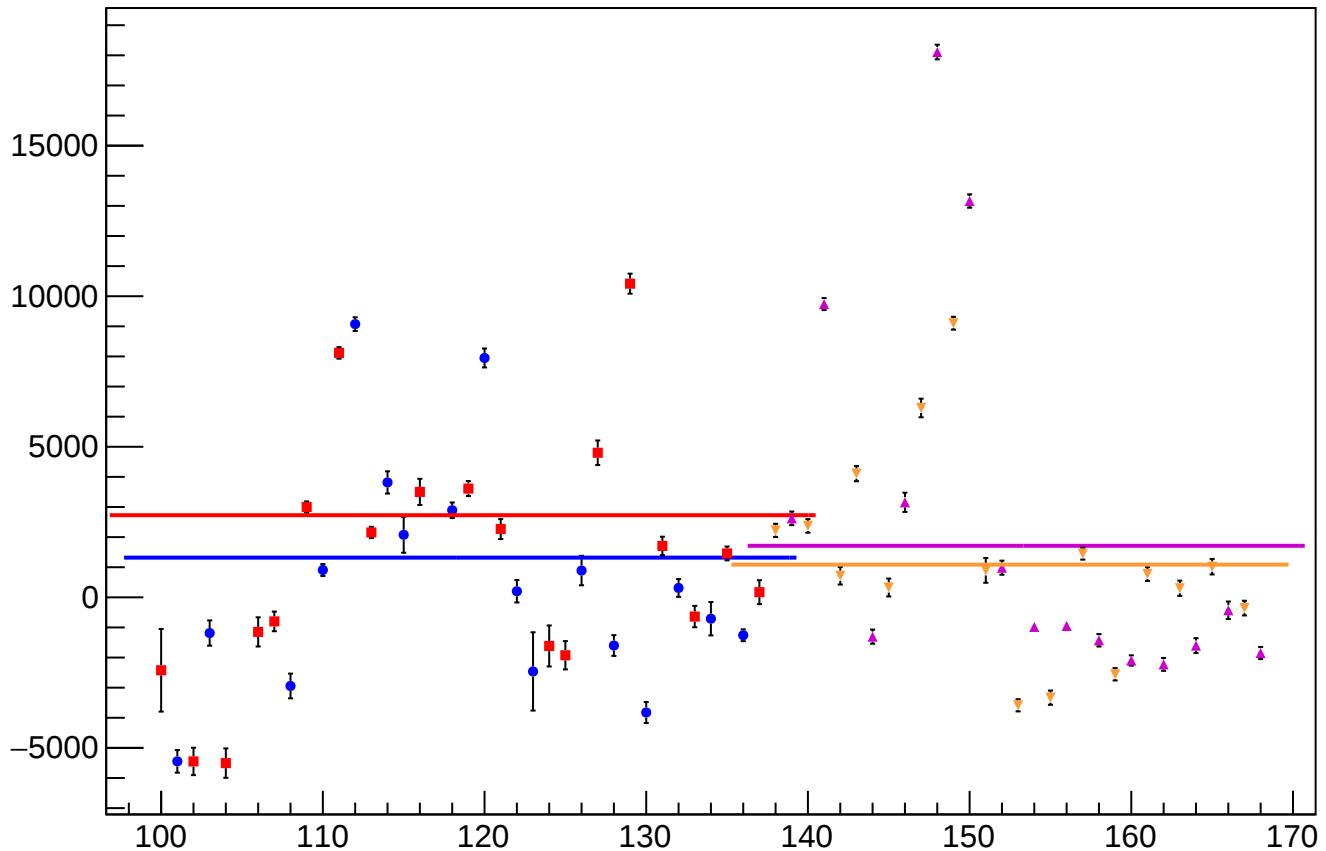
Left In: 170.488 $\pm$ 0.037 χ^2 /NDF: 686618.1/14

+ sign 185.999 $\pm$ 0.032 χ^2 /NDF: 1390588.3/32

All: 176.670 $\pm$ 0.021 χ^2 /NDF: 3171743.3/66

- sign 168.922 $\pm$ 0.029 χ^2 /NDF: 1620946.6/33

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1086.184+/-60.371 χ^2/NDF : 3154.3/15

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

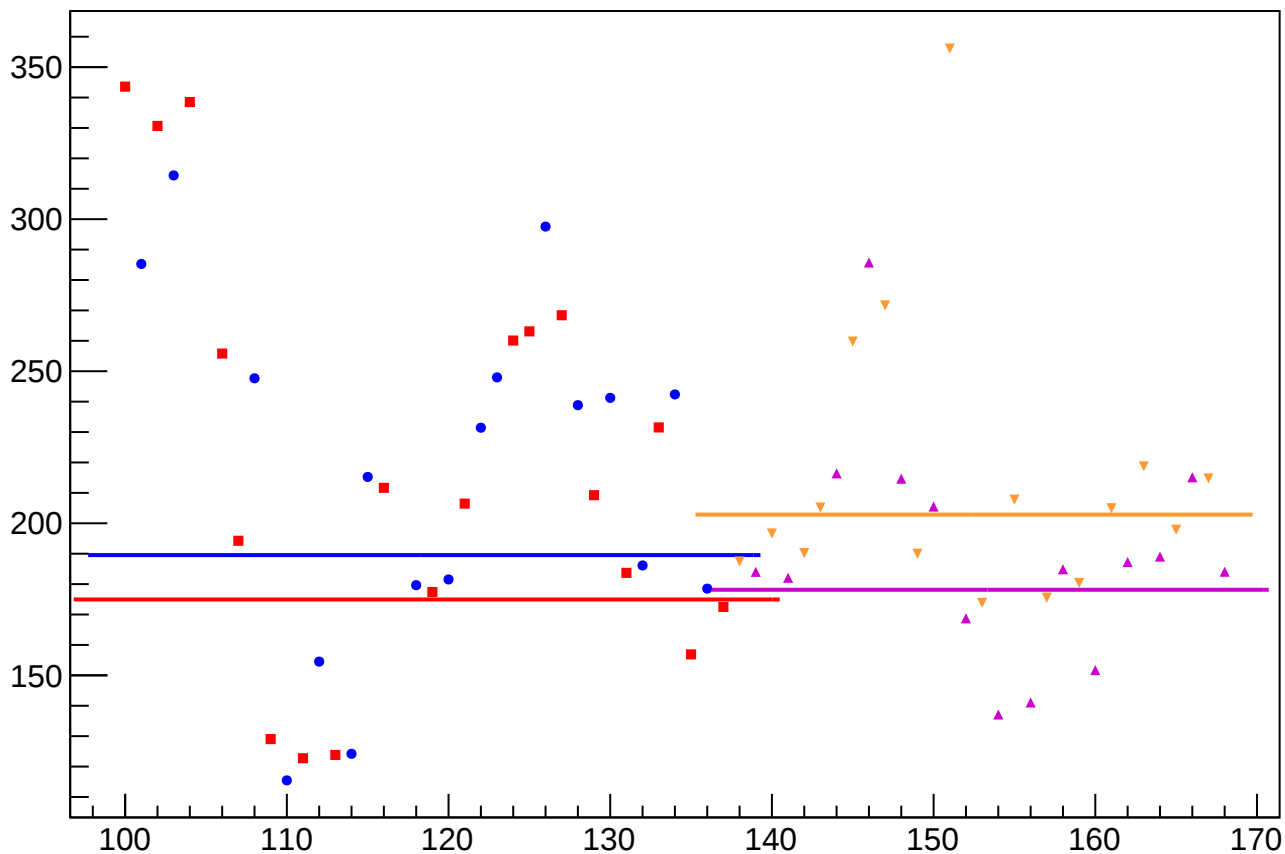
Left In: 1711.785+/-54.082 χ^2/NDF : 11211.4/14

+ sign 1174.613+/-47.544 χ^2/NDF : 5826.9/32

All: 1680.955+/-31.811 χ^2/NDF : 19871.4/66

- sign 2091.361+/-42.804 χ^2/NDF : 13839.1/33

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 202.860 $\pm$ 0.043 χ^2 /NDF: 587933.9/15

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

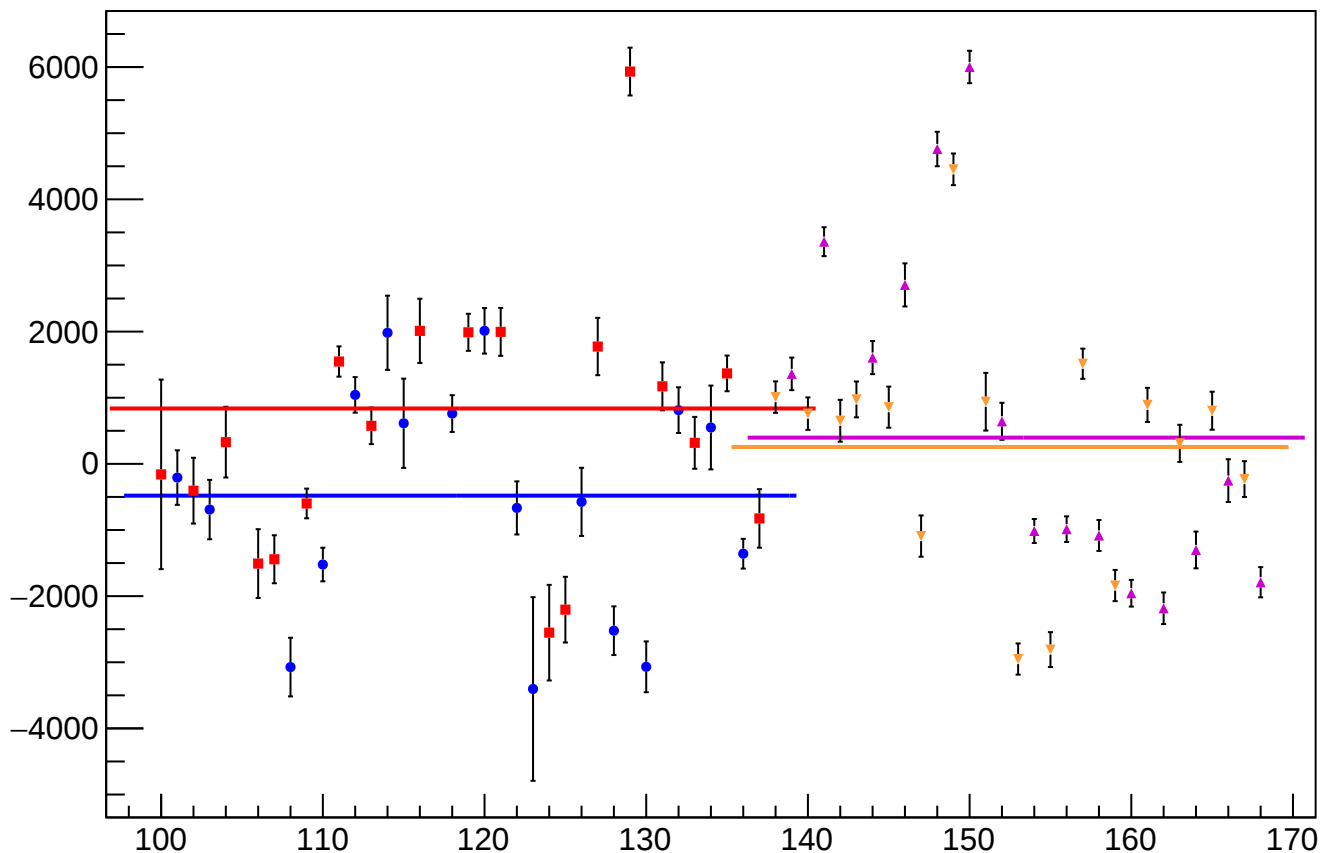
Left In: 178.137 $\pm$ 0.038 χ^2 /NDF: 702448.8/14

+ sign 197.803 $\pm$ 0.034 χ^2 /NDF: 1605631.4/32

All: 186.282 $\pm$ 0.022 χ^2 /NDF: 3820415.0/66

- sign 176.944 $\pm$ 0.030 χ^2 /NDF: 2002160.2/33

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 254.970 ± 66.806 χ^2/NDF : 797.2/15

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

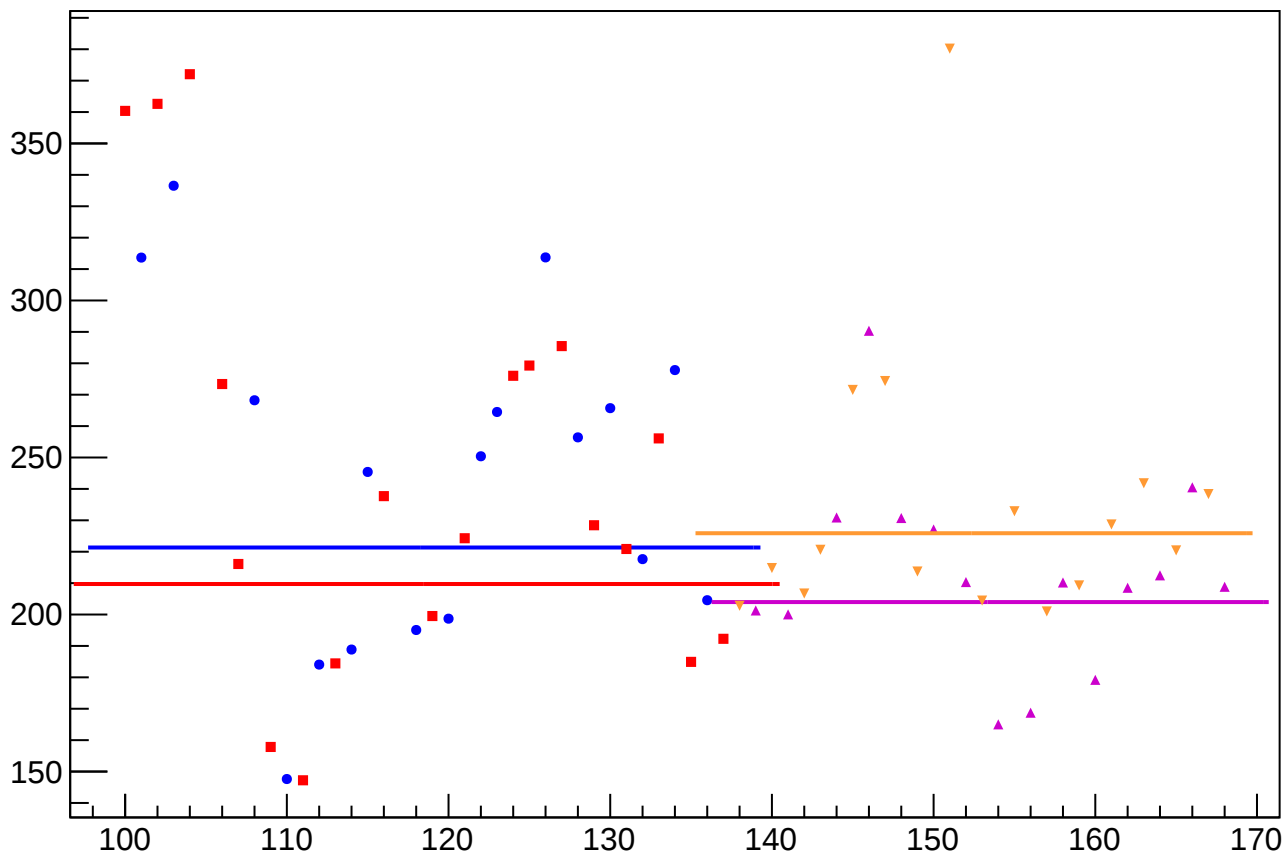
Left In: 396.715 ± 61.304 χ^2/NDF : 1615.2/14

+ sign -11.486 ± 53.351 χ^2/NDF : 1131.8/32

All: 294.453 ± 36.149 χ^2/NDF : 3261.6/66

- sign 554.130 ± 49.152 χ^2/NDF : 2068.9/33

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 225.888 $\pm$ 0.047 χ^2 /NDF: 440939.8/15

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

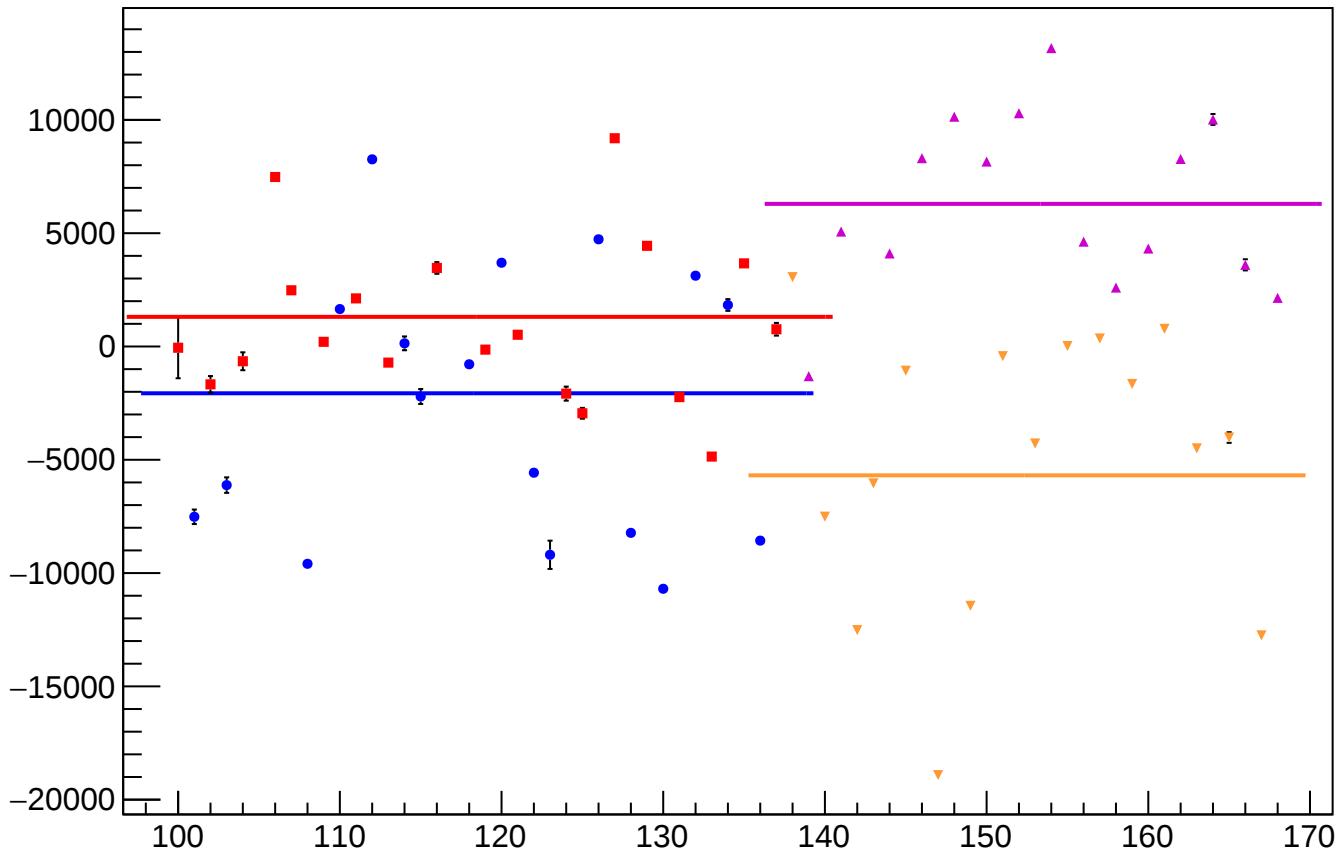
Left In: 203.967 $\pm$ 0.043 χ^2 /NDF: 423622.4/14

+ sign 224.241 $\pm$ 0.038 χ^2 /NDF: 1089982.4/32

All: 214.386 $\pm$ 0.026 χ^2 /NDF: 2529982.8/66

- sign 206.021 $\pm$ 0.035 χ^2 /NDF: 1313822.9/33

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -5686.485 ± 37.391 $\chi^2/\text{NDF}: 29316.8/15$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

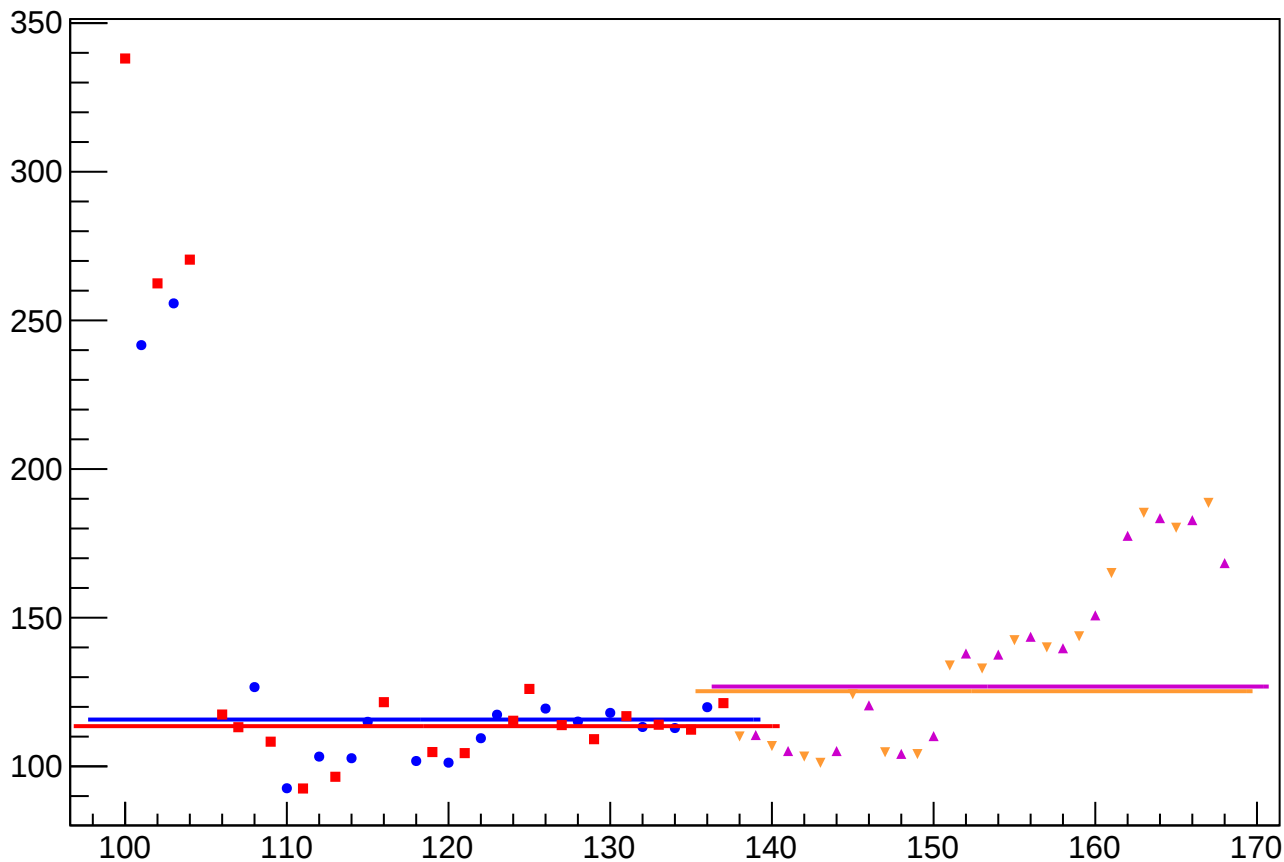
Left In: 6293.907 ± 38.085 $\chi^2/\text{NDF}: 9629.0/14$

+ sign -4294.614 ± 29.338 $\chi^2/\text{NDF}: 49455.4/32$

All: -1.754 ± 20.650 $\chi^2/\text{NDF}: 114563.9/66$

- sign 4213.362 ± 29.071 $\chi^2/\text{NDF}: 22674.5/33$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 125.275 $\pm$ 0.026 χ^2 /NDF: 917634.8/15

Right Out: 113.519 $\pm$ 0.032 χ^2 /NDF: 796640.6/18

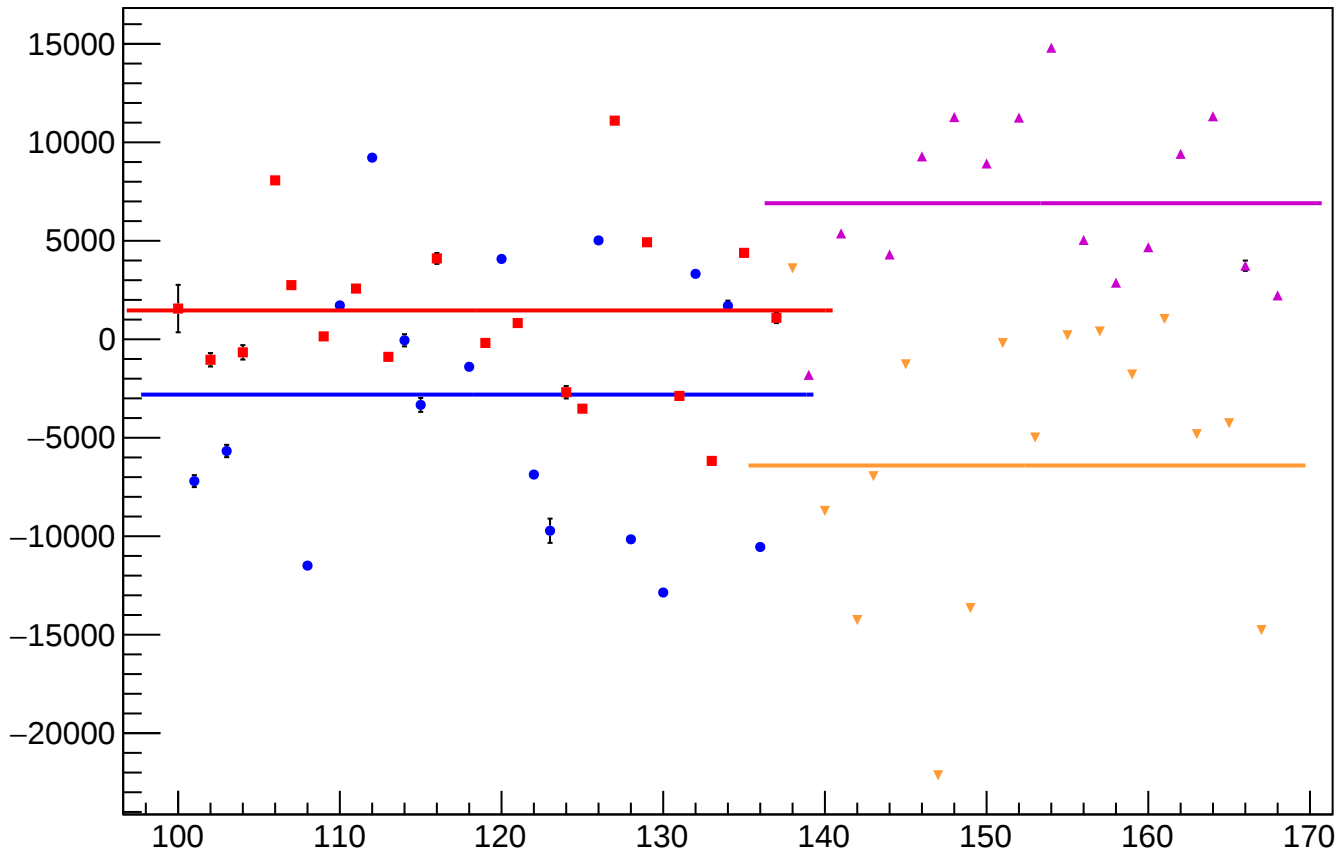
Left In: 126.842 $\pm$ 0.027 χ^2 /NDF: 823833.5/14

+ sign 121.611 $\pm$ 0.021 χ^2 /NDF: 1711640.7/32

All: 121.445 $\pm$ 0.015 χ^2 /NDF: 3434387.3/66

- sign 121.282 $\pm$ 0.021 χ^2 /NDF: 1722620.0/33

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 χ^2/NDF : 21263.1/16

Left Out: -6408.003 ± 39.701 χ^2/NDF : 35425.5/15

Right Out: 1465.074 ± 46.394 χ^2/NDF : 8004.7/18

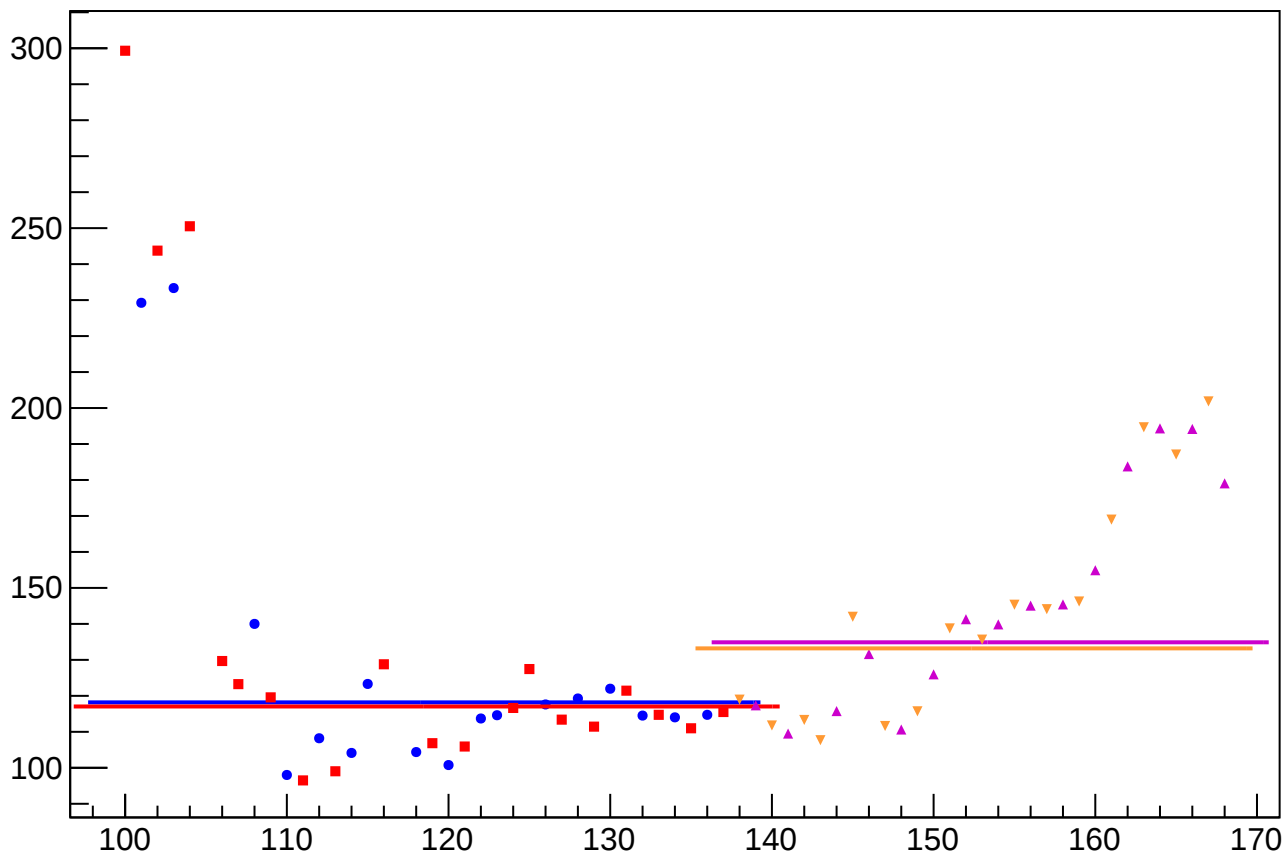
Left In: 6909.366 ± 40.446 χ^2/NDF : 11349.4/14

+ sign -4956.341 ± 30.666 χ^2/NDF : 60003.3/32

All: -171.173 ± 21.621 χ^2/NDF : 135597.1/66

- sign 4558.405 ± 30.487 χ^2/NDF : 27178.3/33

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 133.195+/-0.028 χ^2/NDF : 802143.1/15

Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

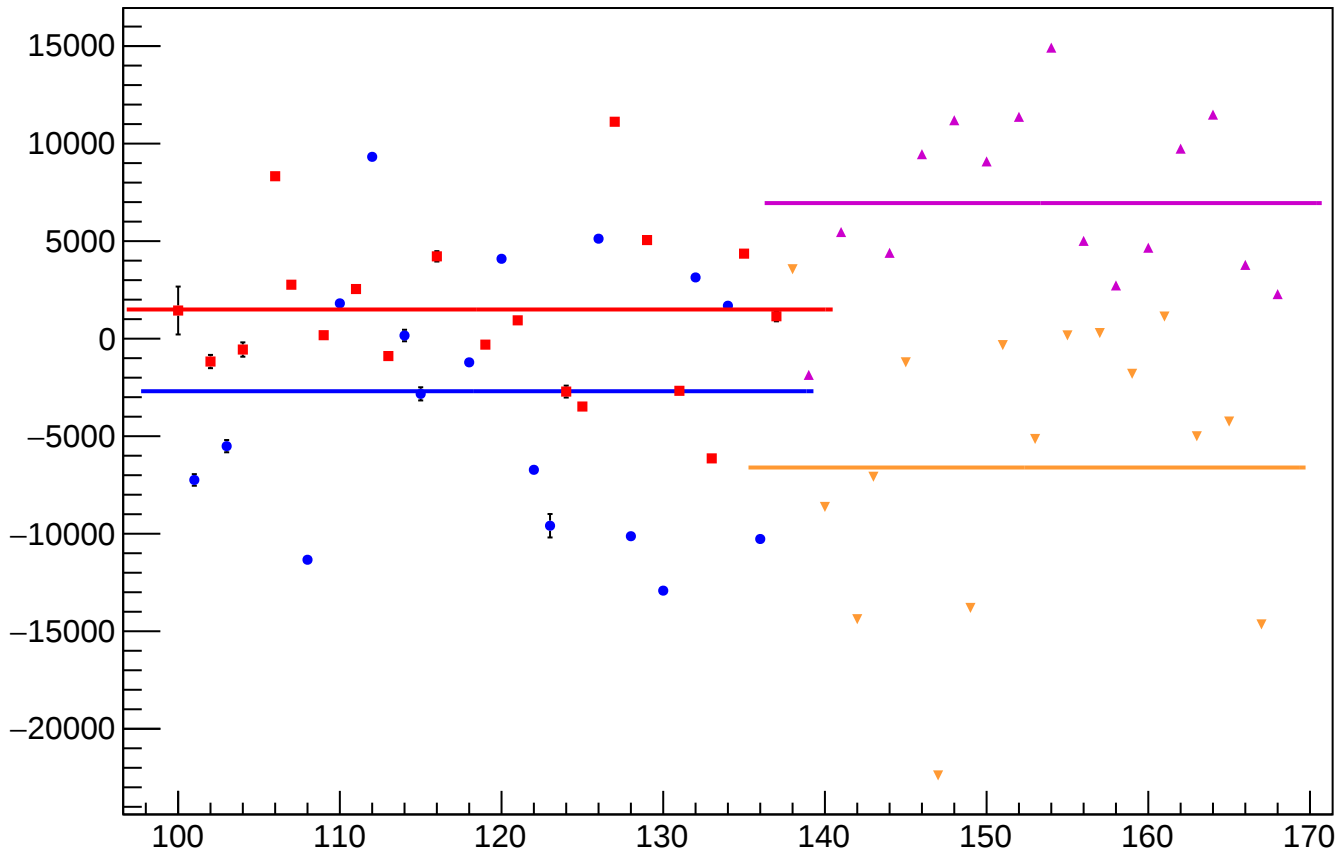
Left In: 134.883+/-0.029 χ^2/NDF : 717040.9/14

+ sign 127.142+/-0.022 χ^2/NDF : 1553656.8/32

All: 127.161+/-0.015 χ^2/NDF : 3129317.0/66

- sign 127.181+/-0.022 χ^2/NDF : 1575658.5/33

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 $\pm$ 46.347 χ^2 /NDF: 22860.3/16

Left Out: -6605.471 $\pm$ 38.758 χ^2 /NDF:38533.3/15

Right Out: 1495.744 $\pm$ 44.445 χ^2 /NDF: 8717.2/18

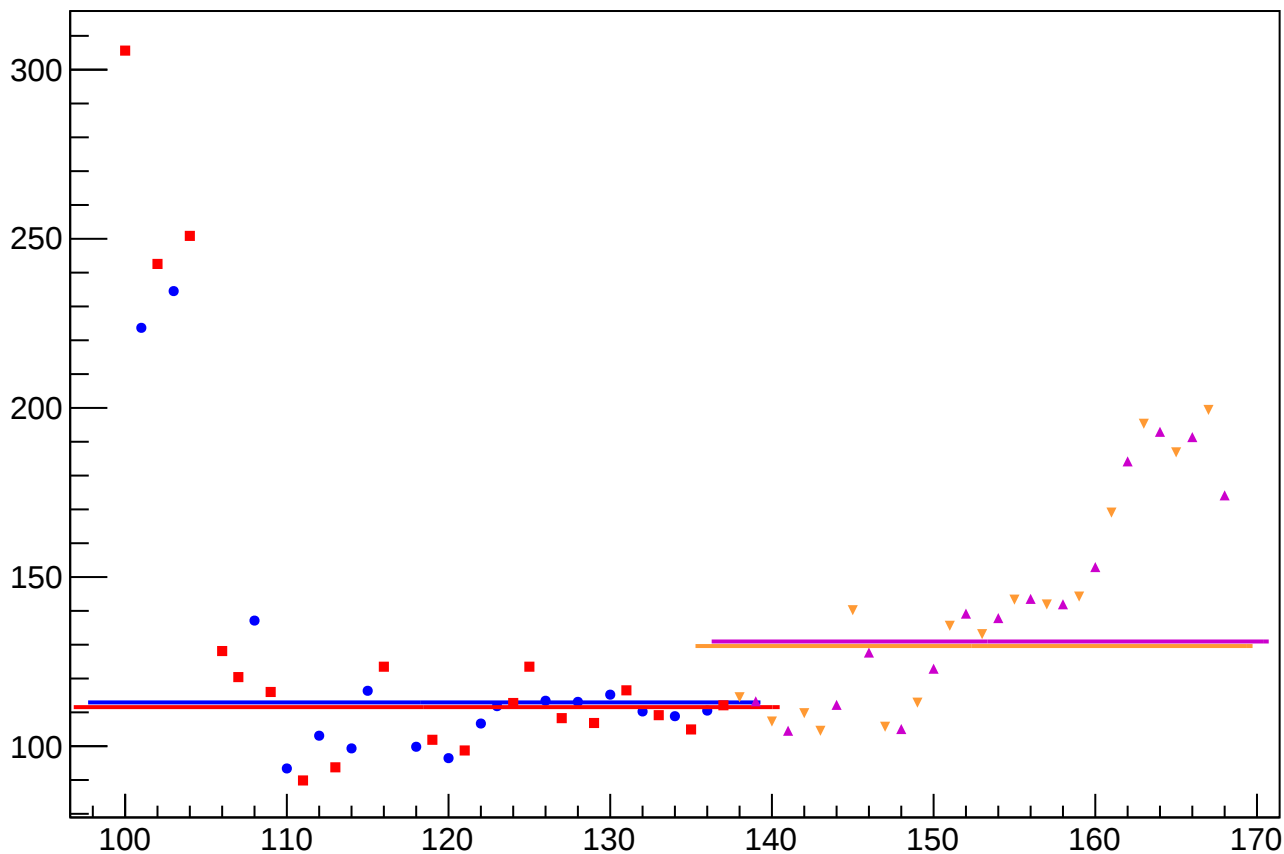
Left In: 6950.544 $\pm$ 39.389 χ^2 /NDF:12210.8/14

+ sign -4995.904 $\pm$ 29.732 χ^2 /NDF: 65584.5/32

All: -181.623 $\pm$ 20.933 χ^2 /NDF: 146942.4/66

- sign 4550.913 $\pm$ 29.478 χ^2 /NDF: 29364.7/33

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 129.603 $\pm$ 0.027 χ^2 /NDF: 909916.7/15

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

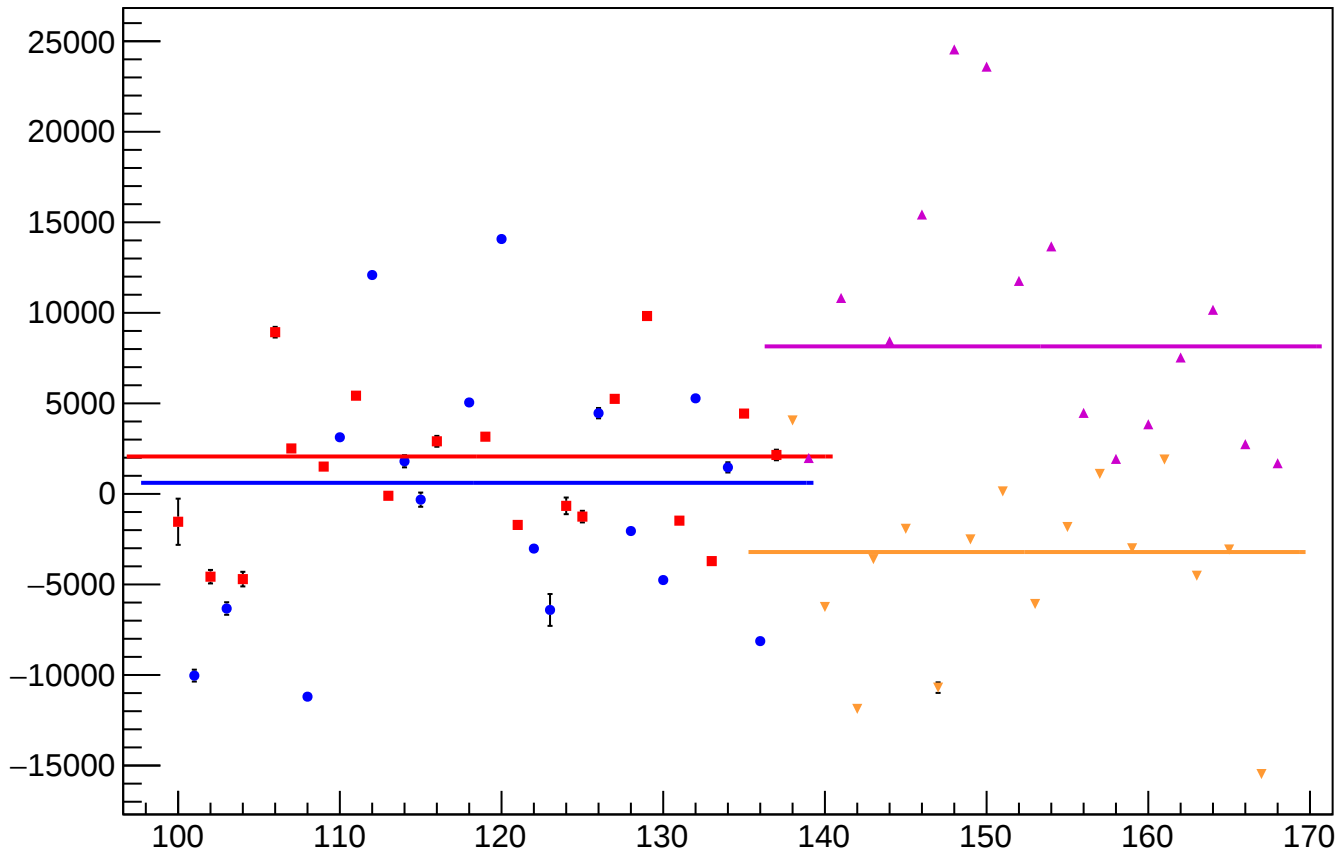
Left In: 130.950 $\pm$ 0.028 χ^2 /NDF: 810049.6/14

+ sign 122.746 $\pm$ 0.021 χ^2 /NDF: 1742315.4/32

All: 122.578 $\pm$ 0.015 χ^2 /NDF: 3531561.5/66

- sign 122.413 $\pm$ 0.021 χ^2 /NDF: 1789119.7/33

asym_bpm0i01WS_mean vs Slug



Right In: 612.621+/-56.062 χ^2/NDF : 18243.4/16

Left Out: -3209.613+/-46.299 χ^2/NDF : 10443.1/15

Right Out: 2067.410+/-53.931 χ^2/NDF : 4642.7/18

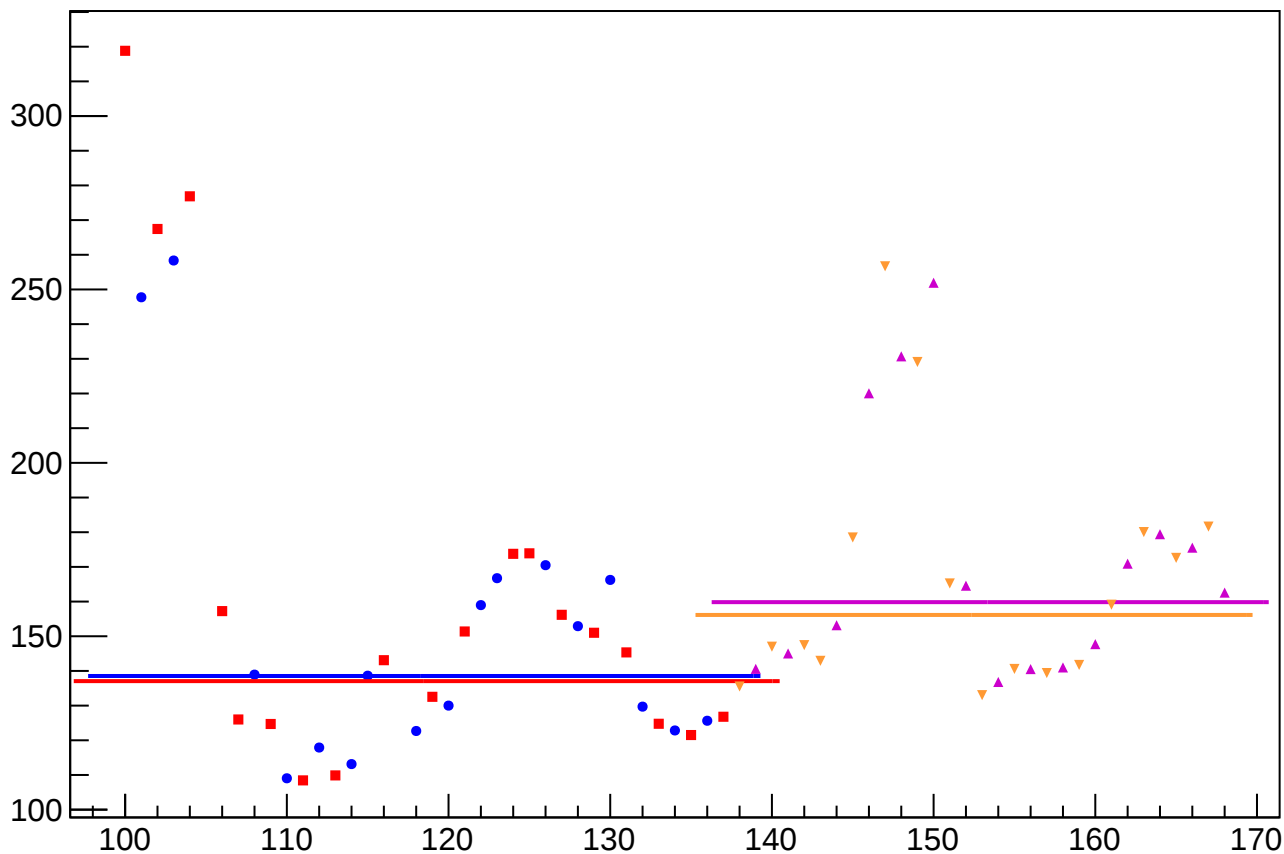
Left In: 8147.619+/-47.894 χ^2/NDF : 15998.5/14

+ sign -1659.741+/-35.699 χ^2/NDF : 31450.0/32

All: 1892.334+/-25.282 χ^2/NDF : 79060.4/66

- sign 5466.733+/-35.811 χ^2/NDF : 27747.4/33

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 156.144 $\pm$ 0.033 χ^2 /NDF: 656639.4/15

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

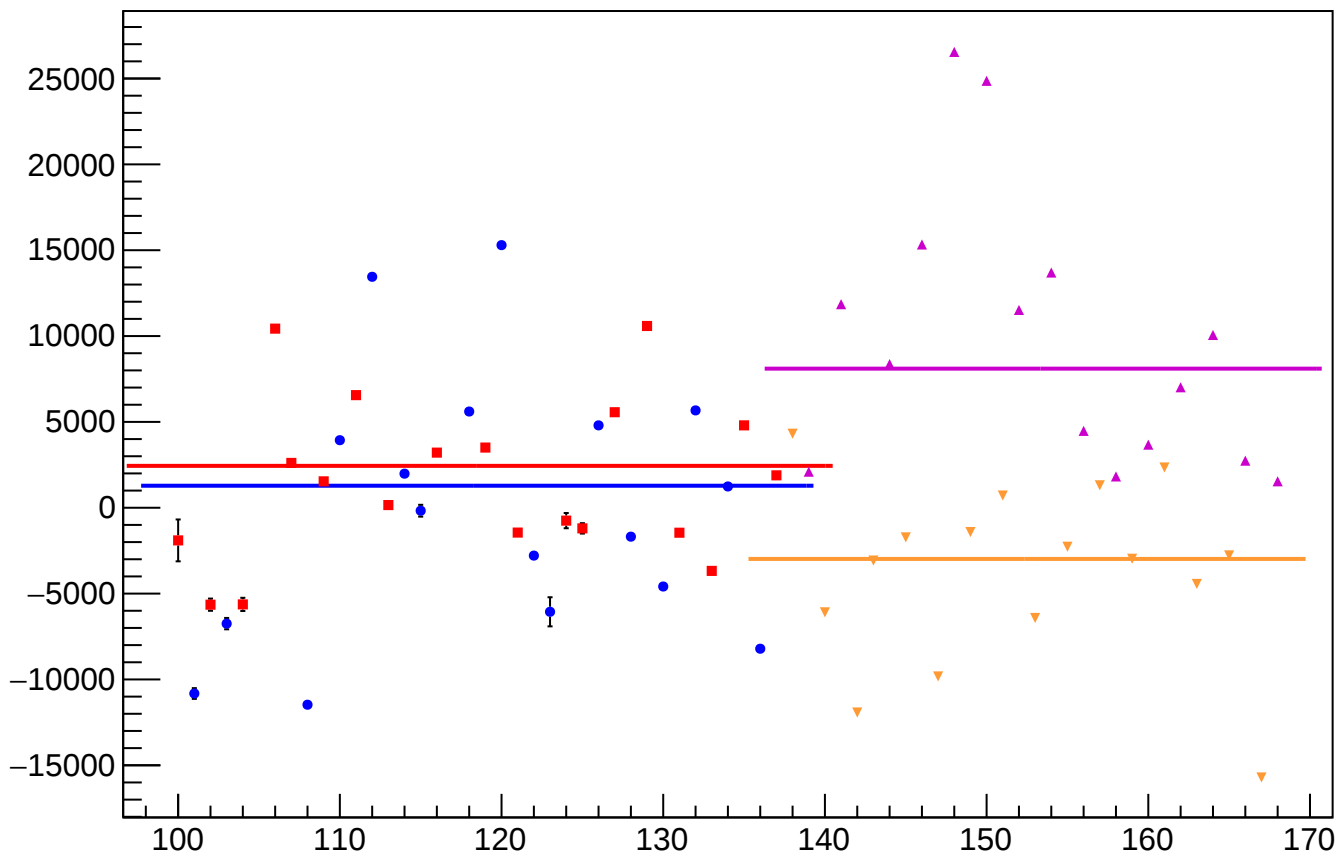
Left In: 159.835 $\pm$ 0.034 χ^2 /NDF: 690011.2/14

+ sign 149.007 $\pm$ 0.025 χ^2 /NDF: 1442800.8/32

All: 149.399 $\pm$ 0.018 χ^2 /NDF: 3088185.6/66

- sign 149.793 $\pm$ 0.025 χ^2 /NDF: 1644900.6/33

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2981.235+/-41.285 χ^2/NDF :13554.9/15

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

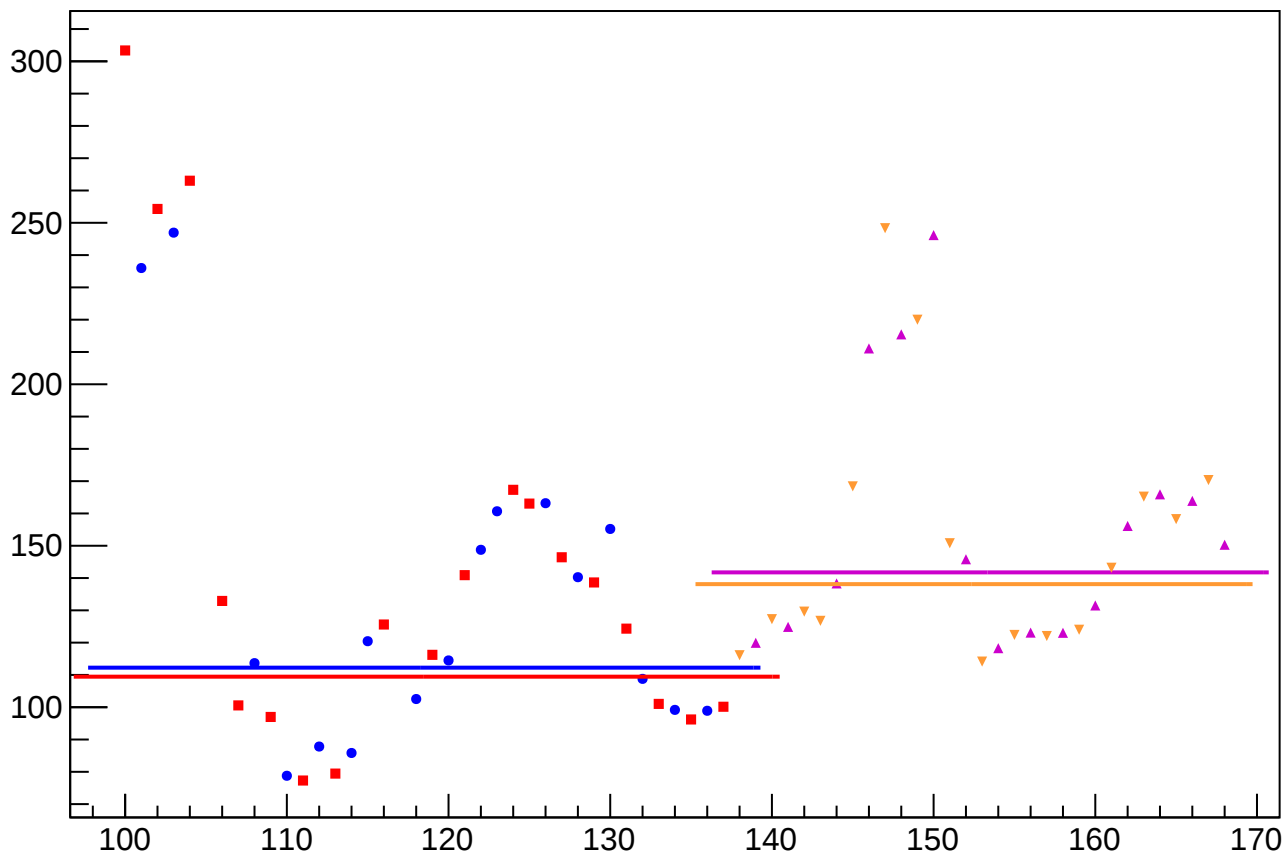
Left In: 8102.089+/-42.870 χ^2/NDF :21097.3/14

+ sign -1104.817+/-30.894 χ^2/NDF : 48790.1/32

All: 2138.763+/-21.813 χ^2/NDF : 107983.7/60

- sign 5363.119+/-30.802 χ^2/NDF : 37212.7/33

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 138.115+/-0.029 χ^2/NDF : 922253.3/15

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

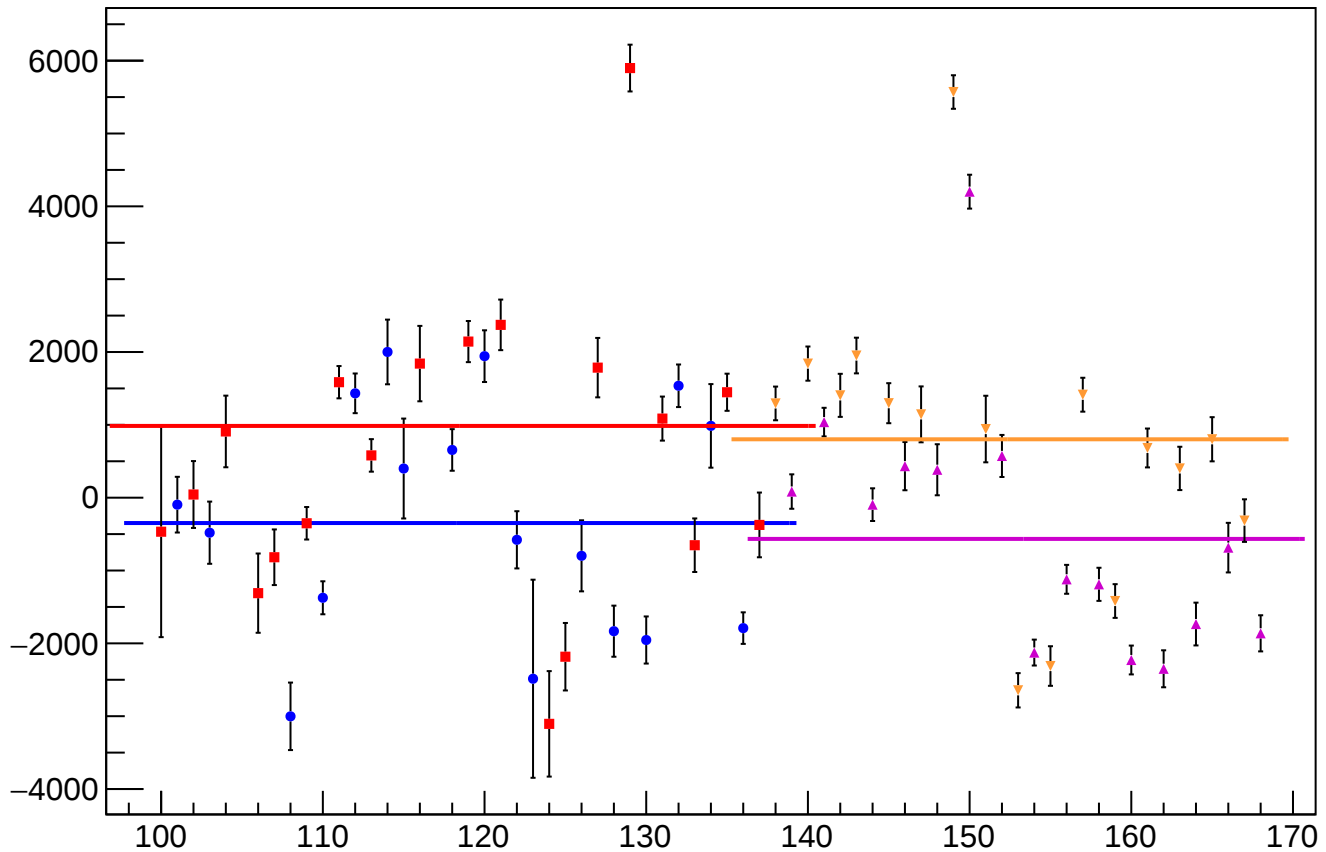
Left In: 141.754+/-0.030 χ^2/NDF : 948915.1/14

+ sign 126.734+/-0.022 χ^2/NDF : 2393207.5/32

All: 126.432+/-0.015 χ^2/NDF : 5161145.5/66

- sign 126.131+/-0.022 χ^2/NDF : 2767556.6/33

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 801.622 ± 66.631 χ^2/NDF : 943.6/15

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

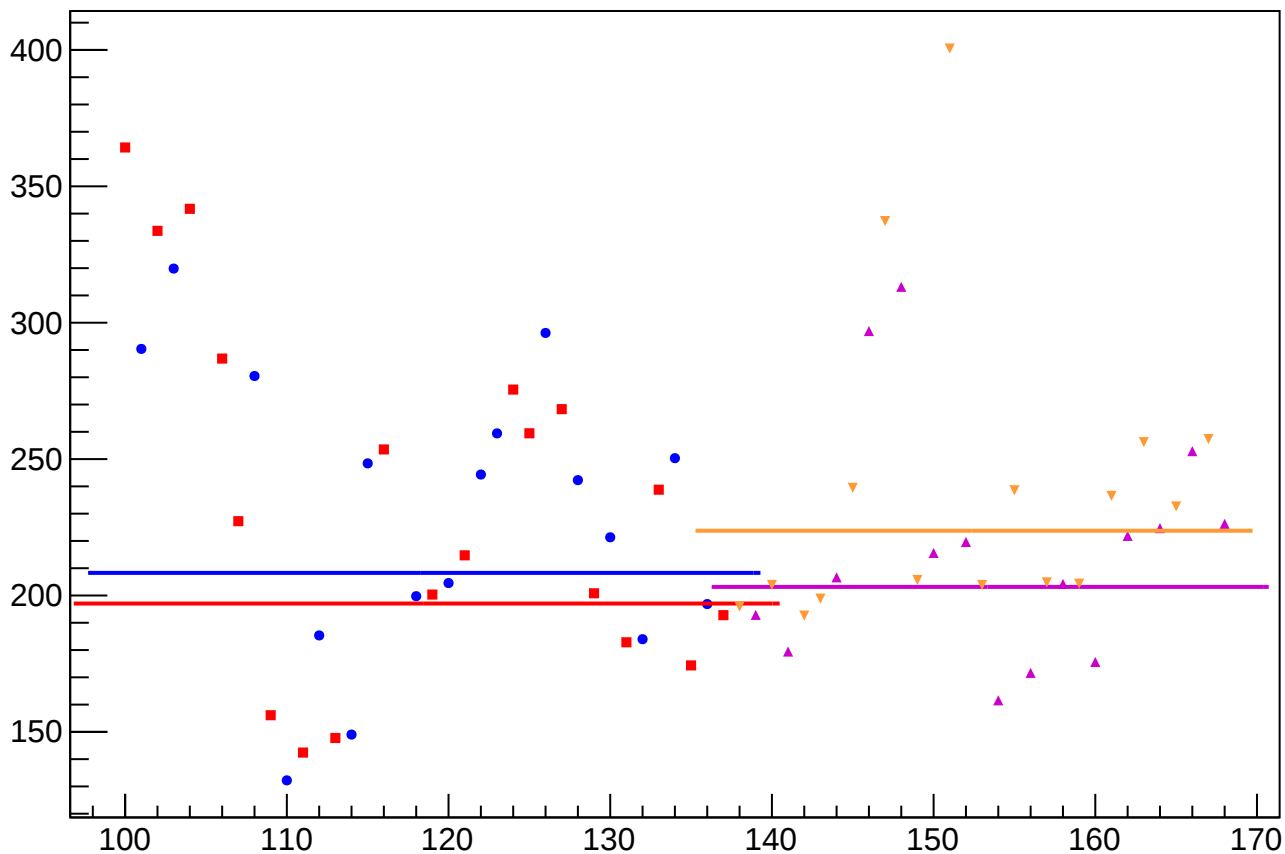
Left In: -565.943 ± 61.389 χ^2/NDF : 786.2/14

+ sign 356.481 ± 52.160 χ^2/NDF : 1376.2/32

All: 180.460 ± 35.386 χ^2/NDF : 2905.5/66

- sign 30.371 ± 48.165 χ^2/NDF : 1508.2/33

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 $\pm$ 0.059 χ^2 /NDF: 698491.0/16

Left Out: 223.741 $\pm$ 0.047 χ^2 /NDF: 683218.1/15

Right Out: 197.051 $\pm$ 0.055 χ^2 /NDF: 926786.6/18

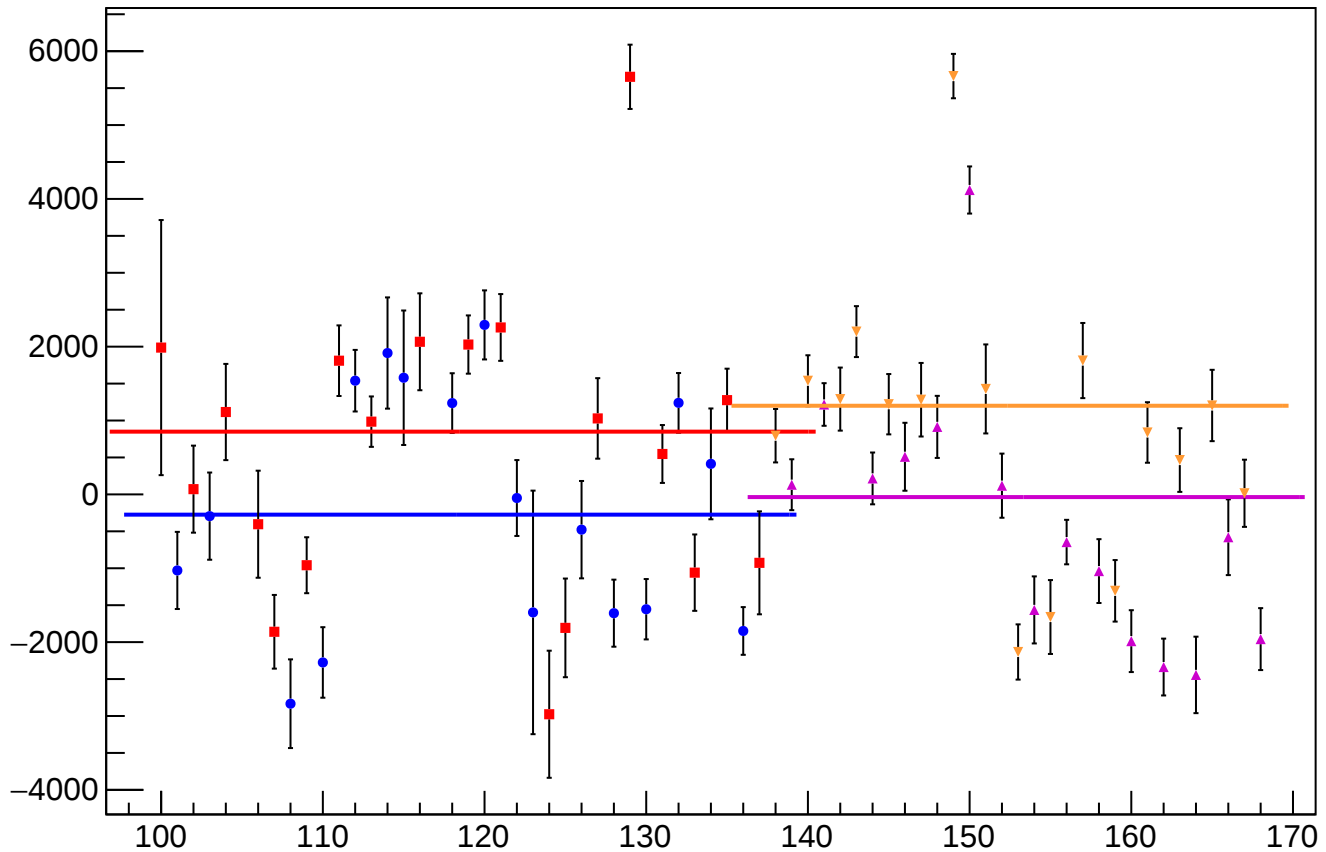
Left In: 203.147 $\pm$ 0.043 χ^2 /NDF: 683484.1/14

+ sign 217.758 $\pm$ 0.037 χ^2 /NDF: 1423363.5/32

All: 208.607 $\pm$ 0.025 χ^2 /NDF: 3155265.2/66

- sign 200.804 $\pm$ 0.034 χ^2 /NDF: 1617852.5/33

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1200.014 ± 102.574 χ^2/NDF : 391.8/15

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

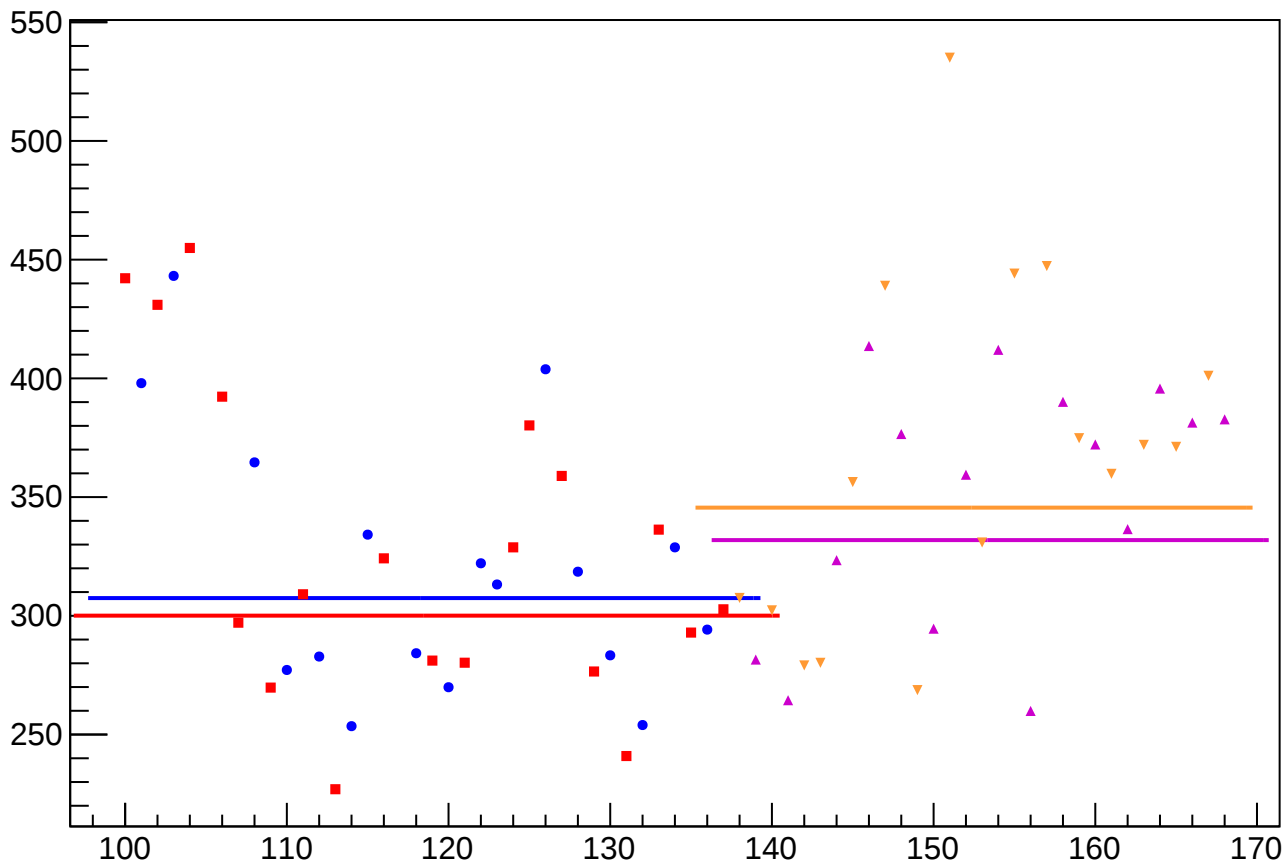
Left In: -36.366 ± 99.494 χ^2/NDF : 318.1/14

+ sign 585.488 ± 78.331 χ^2/NDF : 649.5/32

All: 458.750 ± 54.300 χ^2/NDF : 1269.7/66

- sign 341.507 ± 75.340 χ^2/NDF : 615.2/33

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 345.561 $\pm$ 0.073 χ^2 /NDF: 790291.6/15

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

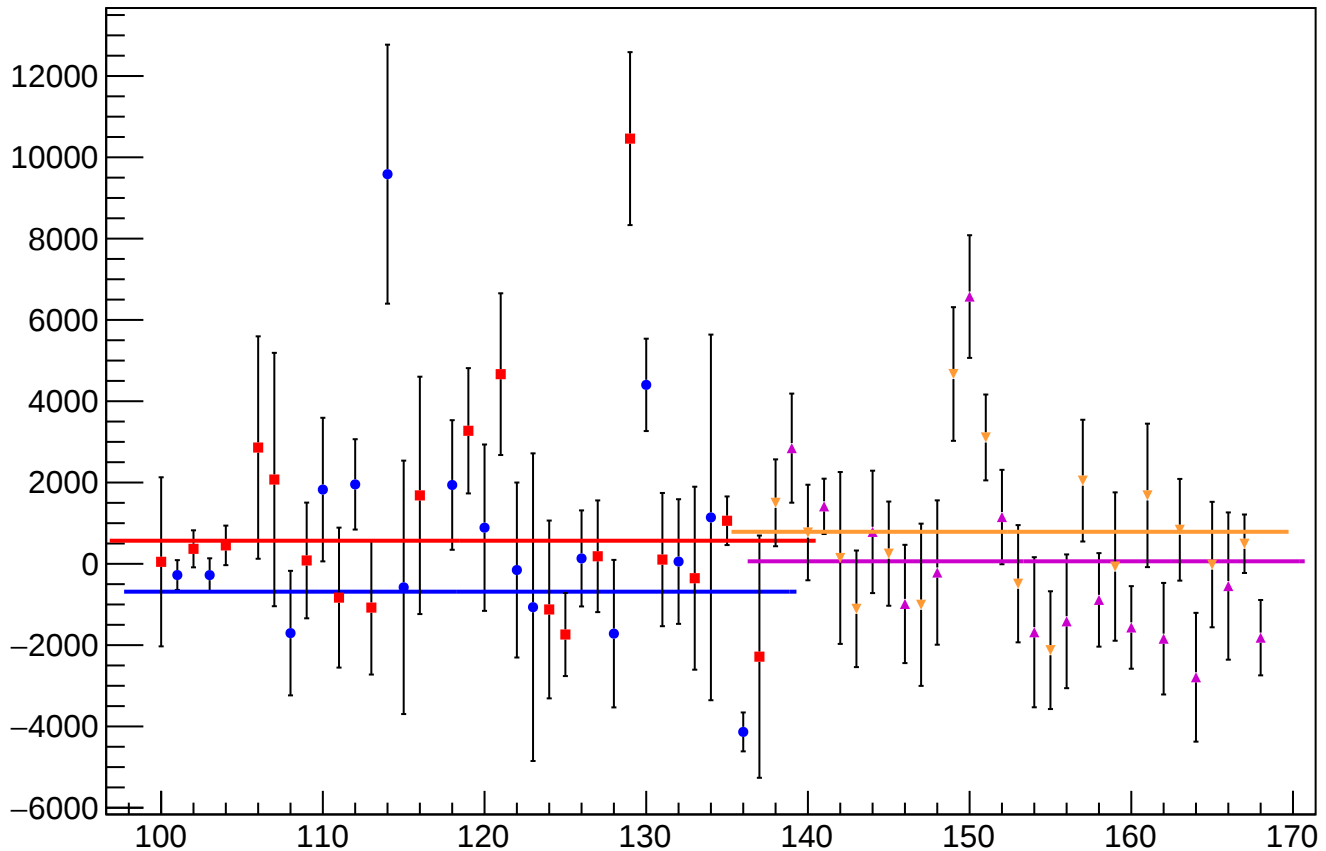
Left In: 331.886 $\pm$ 0.070 χ^2 /NDF: 584496.1/14

+ sign 329.683 $\pm$ 0.055 χ^2 /NDF: 1228366.6/32

All: 323.777 $\pm$ 0.038 χ^2 /NDF: 2412400.5/66

- sign 318.313 $\pm$ 0.053 χ^2 /NDF: 1162146.2/33

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 788.259 ± 325.225 χ^2/NDF : 20.1/15

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

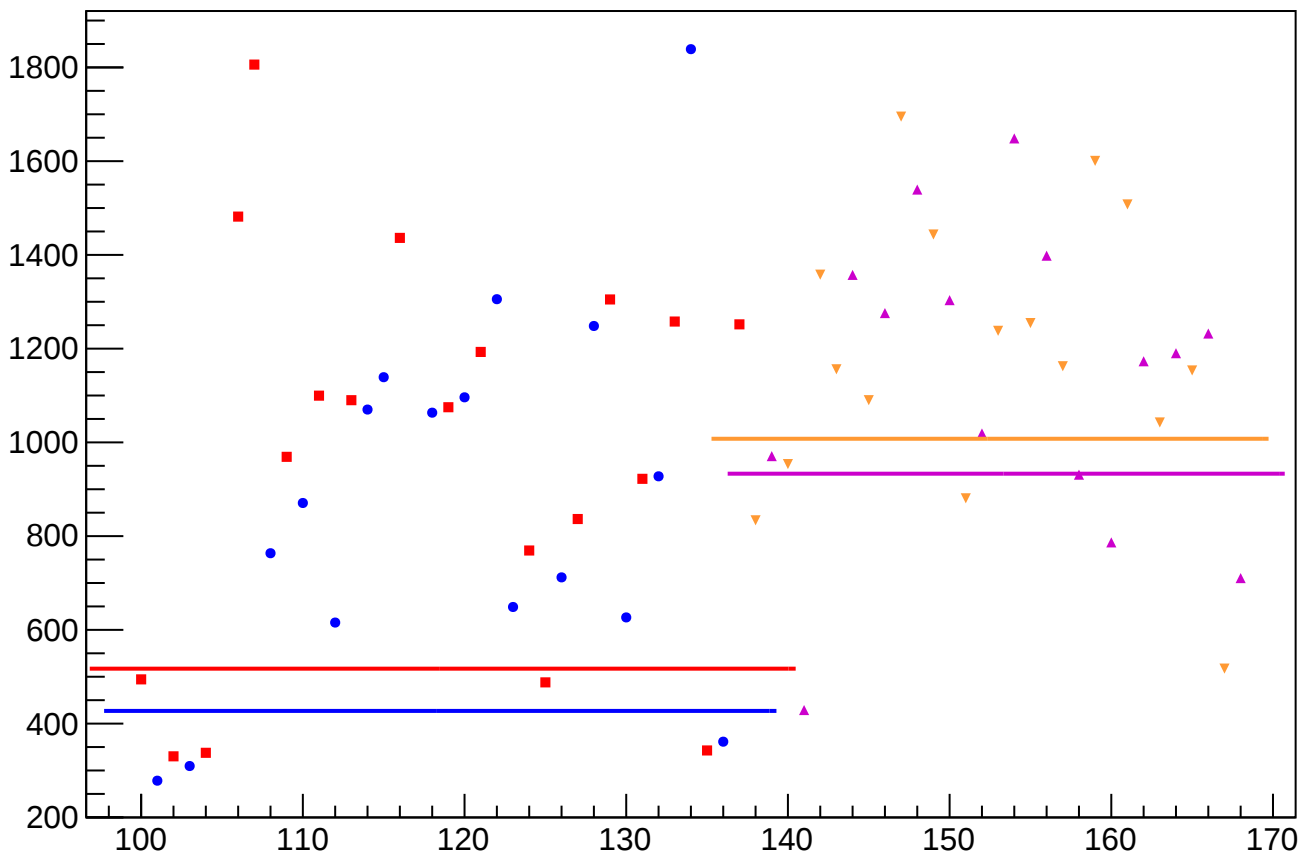
Left In: 62.220 ± 317.636 χ^2/NDF : 42.9/14

+ sign -250.537 ± 176.620 χ^2/NDF : 132.0/32

All: 37.296 ± 130.334 χ^2/NDF : 222.0/66

- sign 381.437 ± 193.125 χ^2/NDF : 84.2/33

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1007.735+/-0.230 χ^2/NDF : 2000013.7/15

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

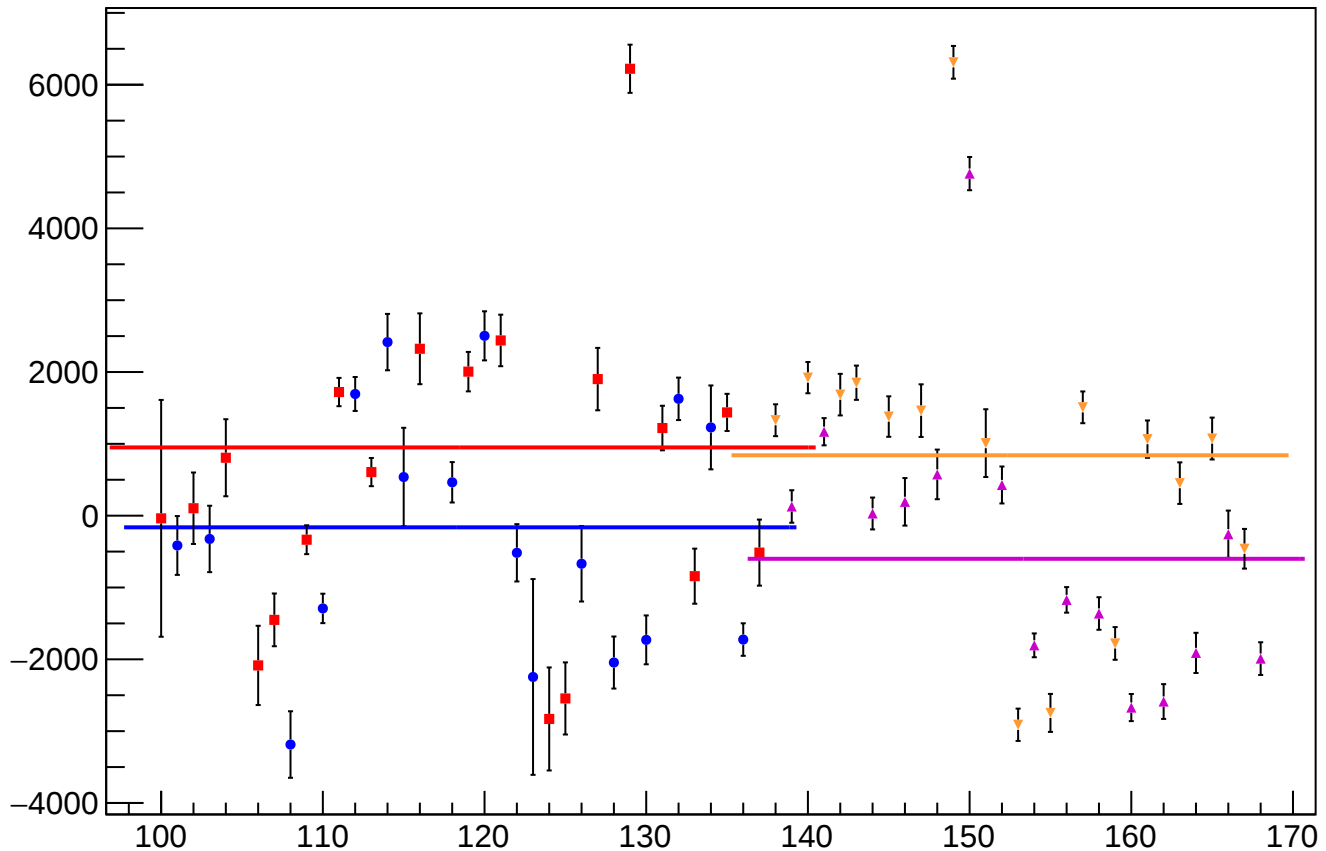
Left In: 933.202+/-0.225 χ^2/NDF : 2519384.6/14

+ sign 598.330+/-0.125 χ^2/NDF : 9360736.8/32

All: 631.430+/-0.092 χ^2/NDF : 17801465.8/60

- sign 671.006+/-0.137 χ^2/NDF : 8286495.9/33

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 840.740 ± 64.533 χ^2/NDF : 1267.7/15

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

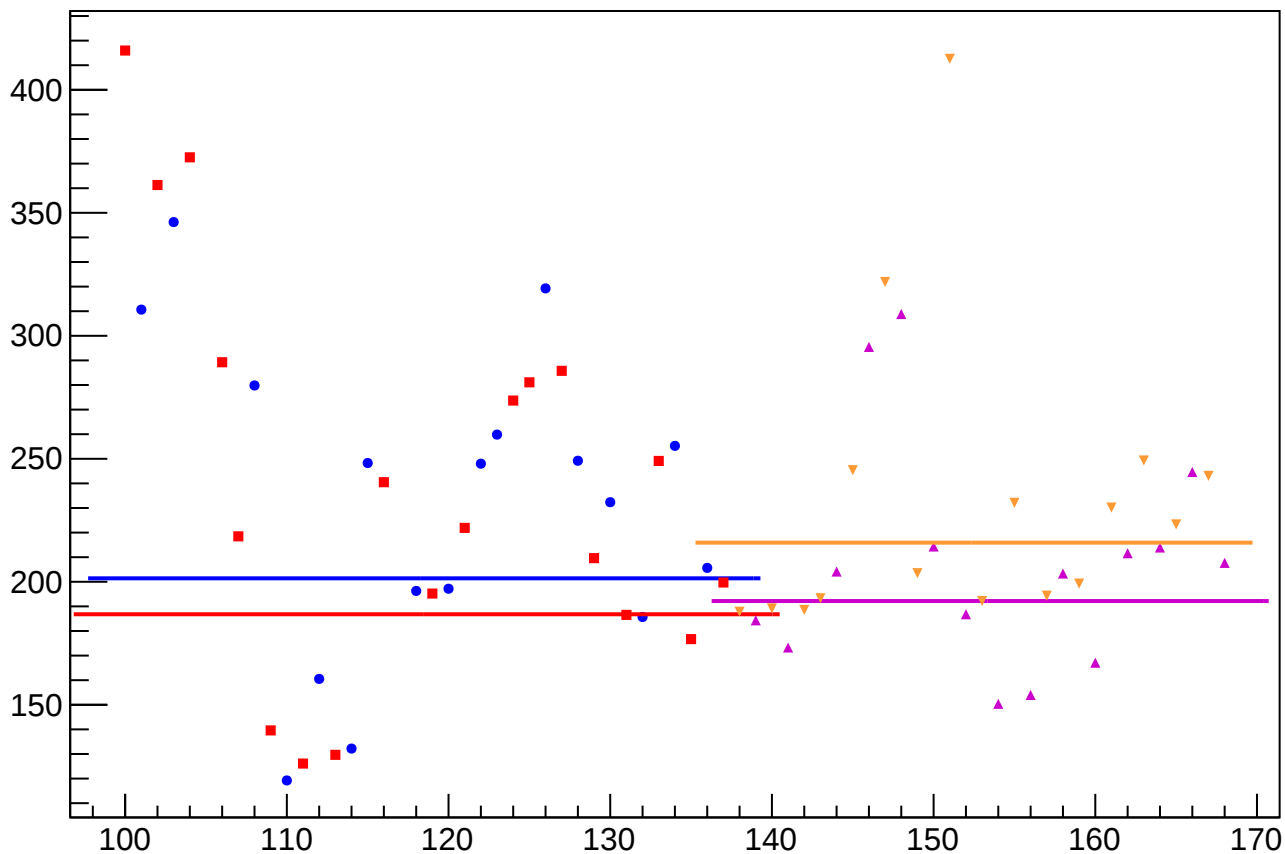
Left In: -600.486 ± 58.434 χ^2/NDF : 998.5/14

+ sign 459.114 ± 50.795 χ^2/NDF : 1747.1/32

All: 198.687 ± 34.148 χ^2/NDF : 3598.7/66

- sign -16.068 ± 46.126 χ^2/NDF : 1803.6/33

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 215.914 $\pm$ 0.046 χ^2 /NDF: 753138.8/15

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

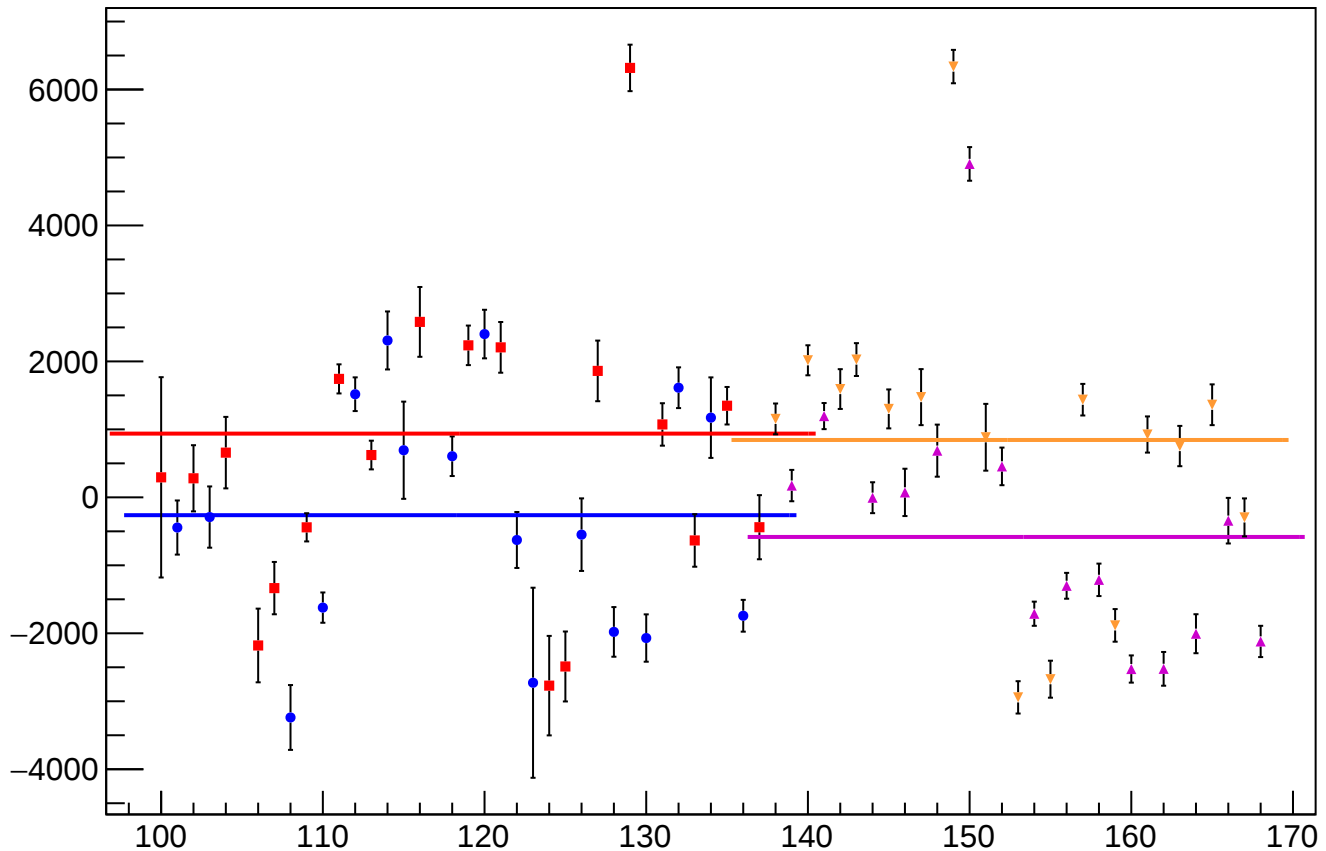
Left In: 192.178 $\pm$ 0.041 χ^2 /NDF: 814681.4/14

+ sign 210.395 $\pm$ 0.036 χ^2 /NDF: 1847601.0/32

All: 199.300 $\pm$ 0.024 χ^2 /NDF: 4235967.5/66

- sign 190.150 $\pm$ 0.033 χ^2 /NDF: 2214233.8/33

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 844.038 ± 66.807 χ^2/NDF : 1141.9/15

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

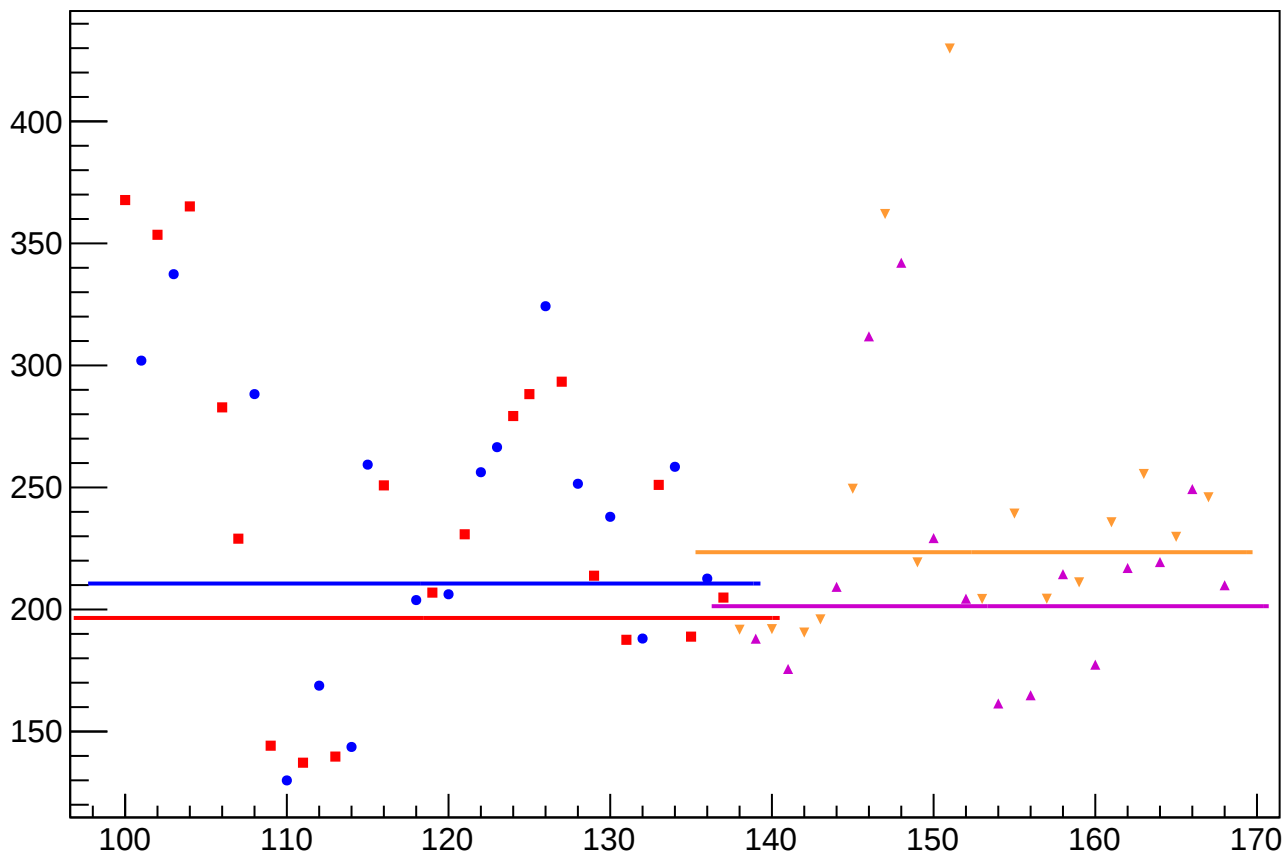
Left In: -582.575 ± 61.120 χ^2/NDF : 910.2/14

+ sign 424.218 ± 52.627 χ^2/NDF : 1614.7/32

All: 189.109 ± 35.549 χ^2/NDF : 3317.2/66

- sign -8.197 ± 48.211 χ^2/NDF : 1665.8/33

asym_bpm0l05WS_rms vs Slug



Right In: 210.636 $\pm$ 0.060 χ^2 /NDF: 875776.4/16

Left Out: 223.473 $\pm$ 0.047 χ^2 /NDF:807218.7/15

Right Out: 196.528 $\pm$ 0.055 χ^2 /NDF: 1205091.0/18

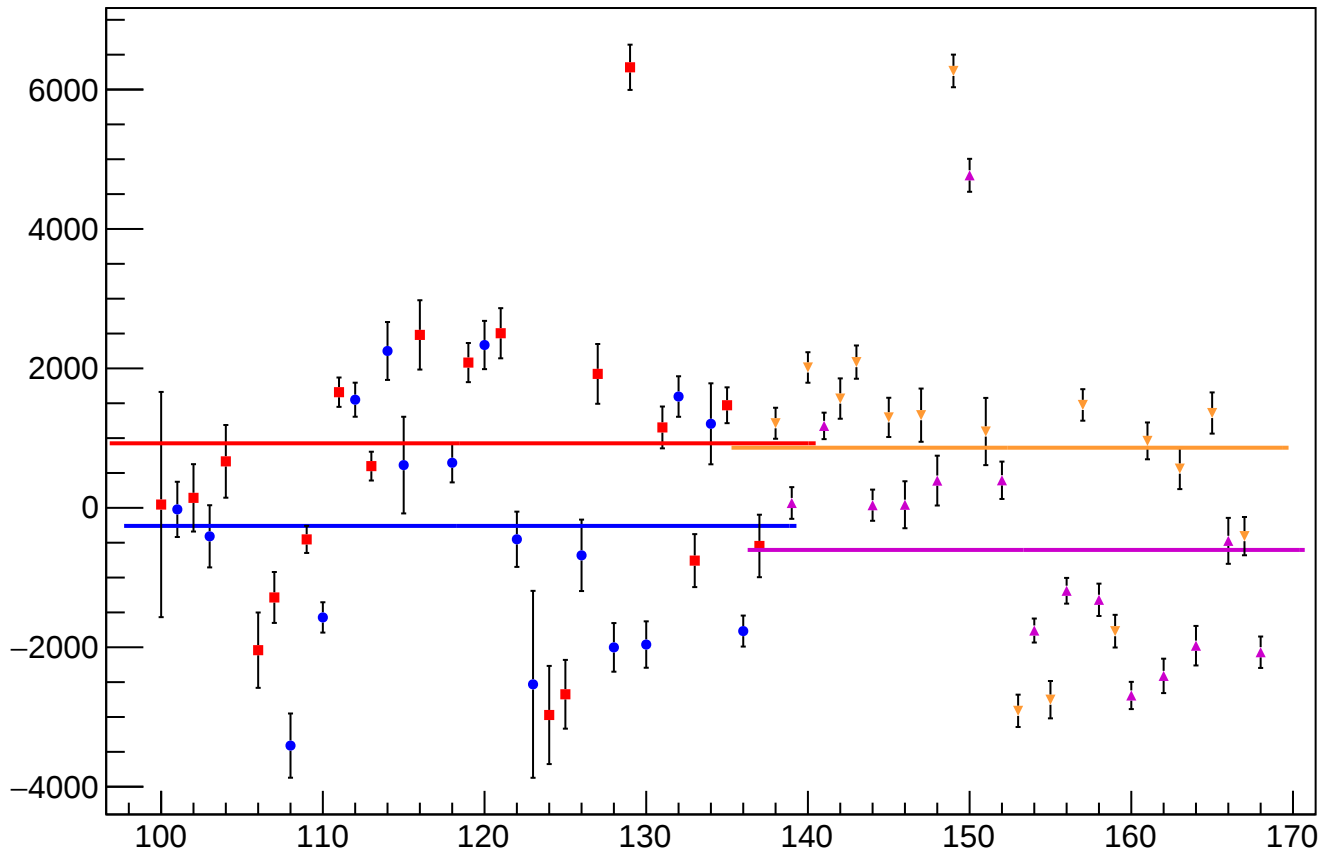
Left In: 201.350 $\pm$ 0.043 χ^2 /NDF:810826.7/14

+ sign 218.602 $\pm$ 0.037 χ^2 /NDF: 1711018.0/32

All: 208.231 $\pm$ 0.025 χ^2 /NDF: 3874478.1/66

- sign 199.528 $\pm$ 0.034 χ^2 /NDF: 2020621.0/33

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 862.450 ± 65.432 χ^2/NDF : 1205.5/15

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

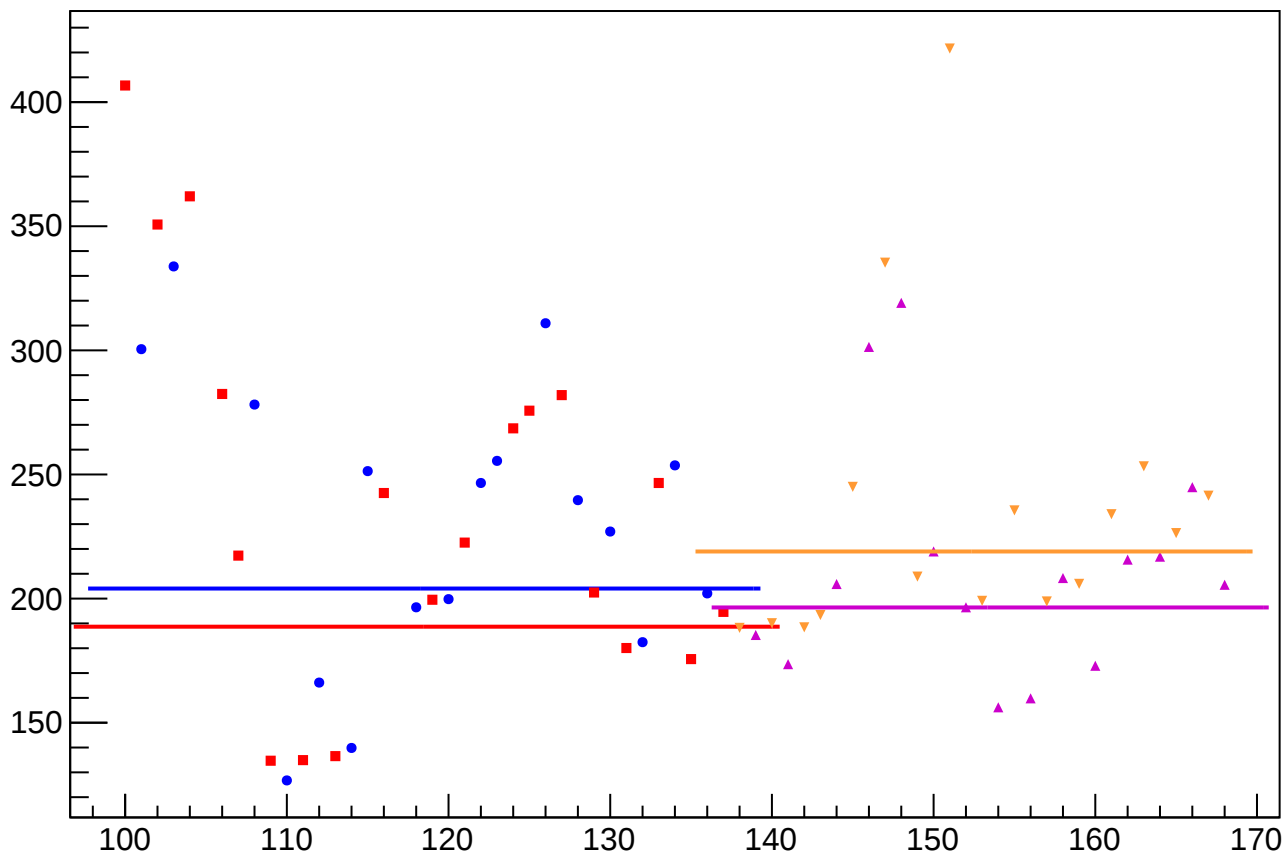
Left In: -603.634 ± 59.625 χ^2/NDF : 945.5/14

+ sign 431.304 ± 51.338 χ^2/NDF : 1709.7/32

All: 186.827 ± 34.583 χ^2/NDF : 3531.2/66

- sign -16.286 ± 46.794 χ^2/NDF : 1780.0/33

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 218.977+/-0.046 χ^2/NDF : 771236.0/15

Right Out: 188.681+/-0.053 χ^2/NDF : 1251107.4/18

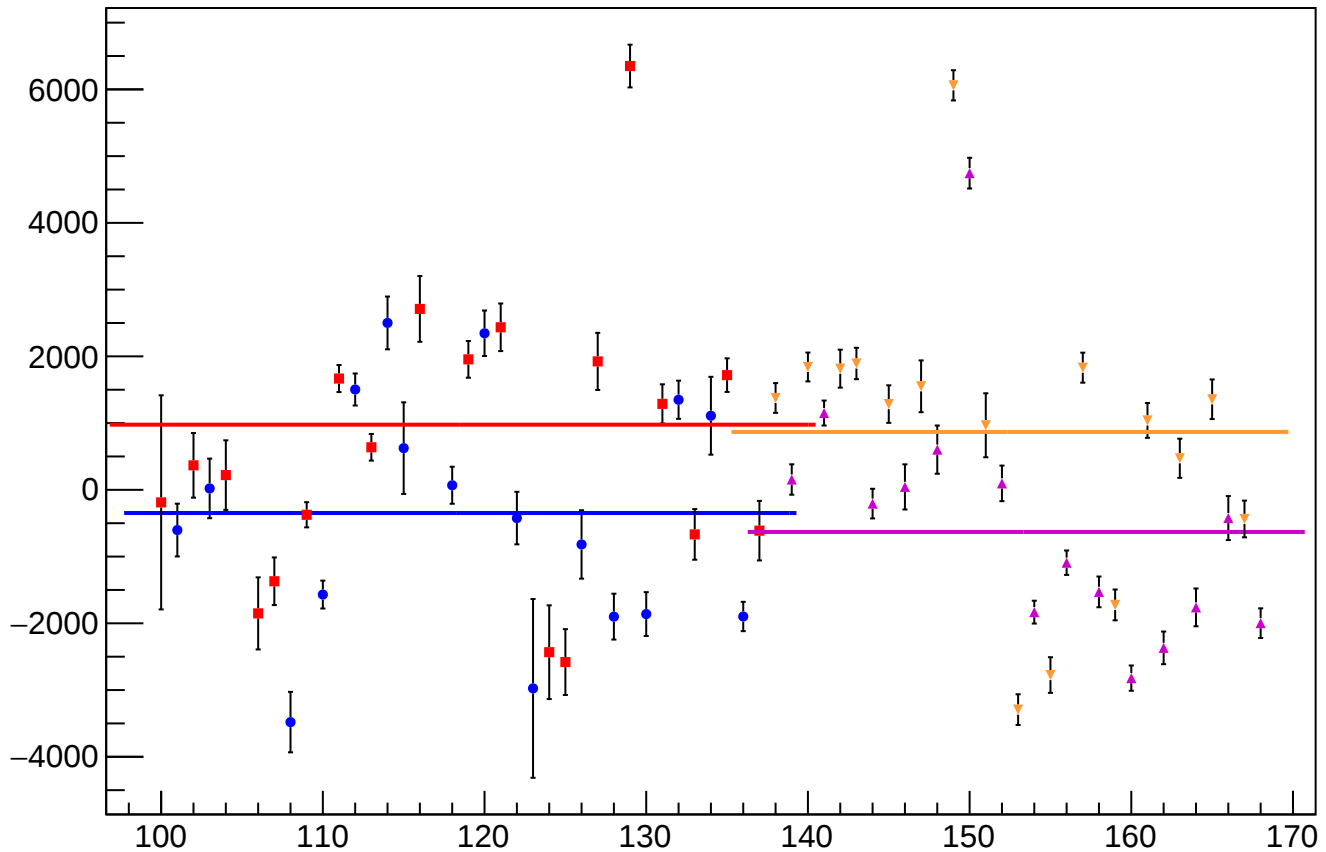
Left In: 196.427+/-0.042 χ^2/NDF : 776759.9/14

+ sign 213.239+/-0.036 χ^2/NDF : 1679662.4/32

All: 202.431+/-0.024 χ^2/NDF : 3882788.1/66

- sign 193.452+/-0.033 χ^2/NDF : 2040834.2/33

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 867.280 ± 64.891 χ^2/NDF : 1271.1/15

Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

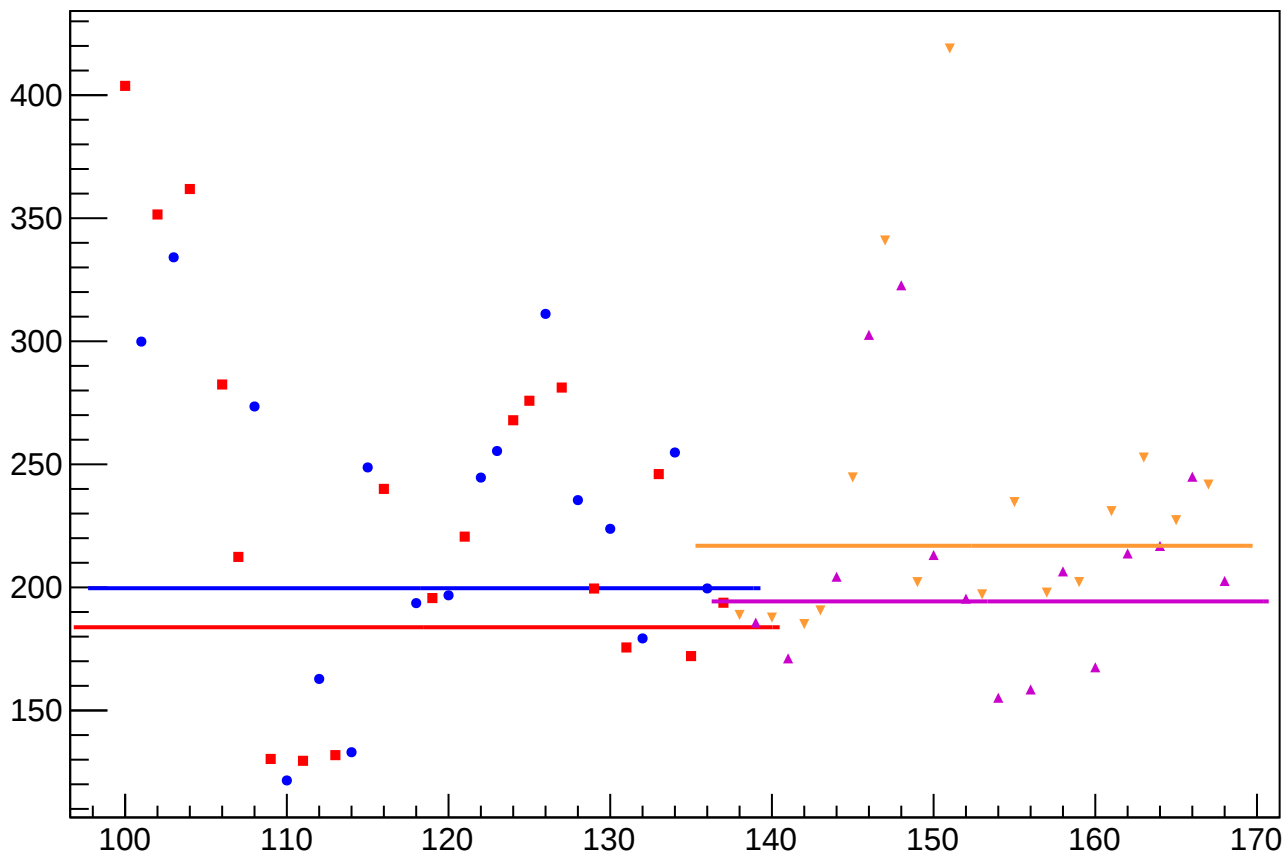
Left In: -631.235 ± 59.039 χ^2/NDF : 984.4/14

+ sign 394.767 ± 50.721 χ^2/NDF : 1806.4/32

All: 176.033 ± 34.124 χ^2/NDF : 3699.4/66

- sign -4.845 ± 46.124 χ^2/NDF : 1859.0/33

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 216.913 $\pm$ 0.046 χ^2 /NDF: 806356.2/15

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

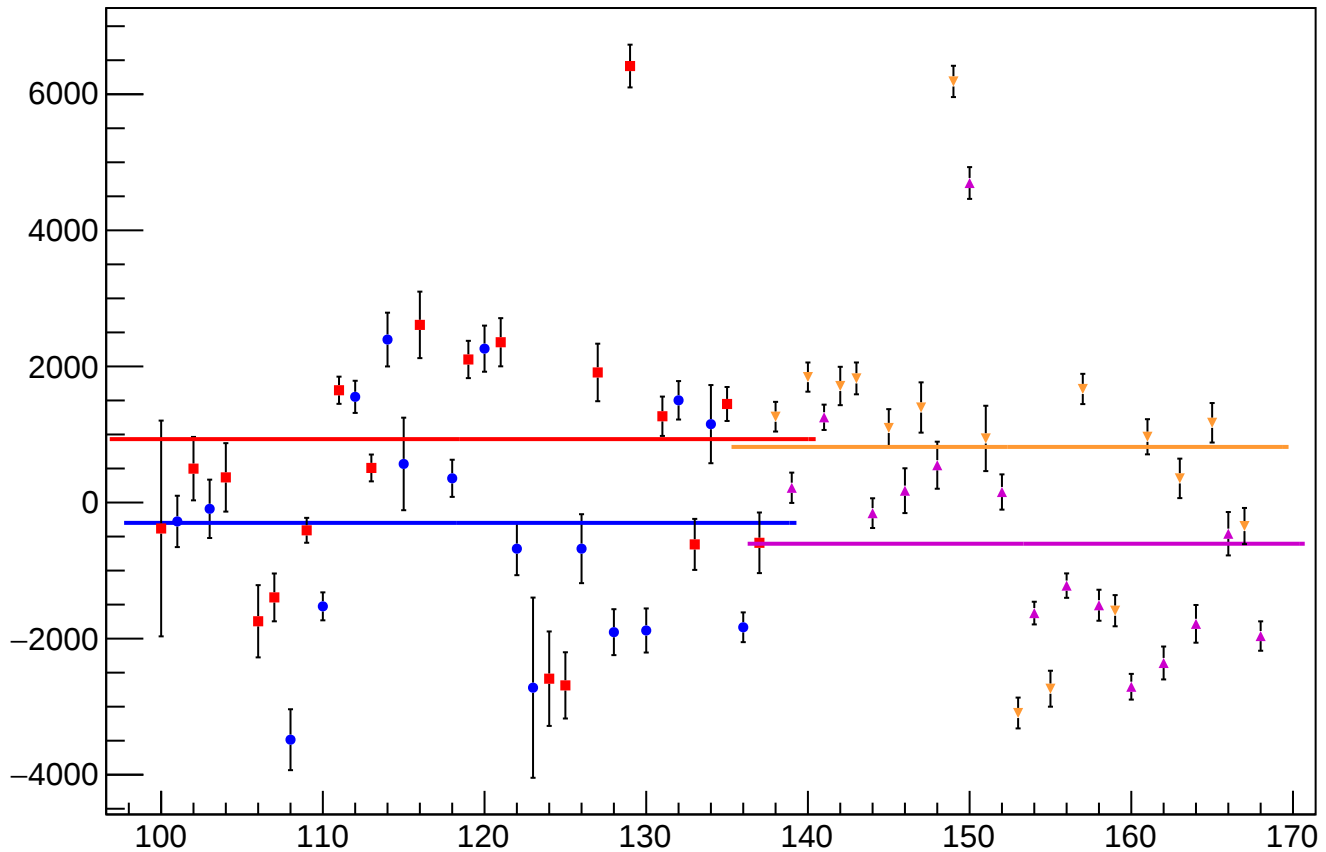
Left In: 194.310 $\pm$ 0.042 χ^2 /NDF: 810778.3/14

+ sign 210.204 $\pm$ 0.036 χ^2 /NDF: 1804458.9/32

All: 199.264 $\pm$ 0.024 χ^2 /NDF: 4159503.1/66

- sign 190.218 $\pm$ 0.033 χ^2 /NDF: 2185061.4/33

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 817.215 ± 64.122 χ^2/NDF : 1232.1/15

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

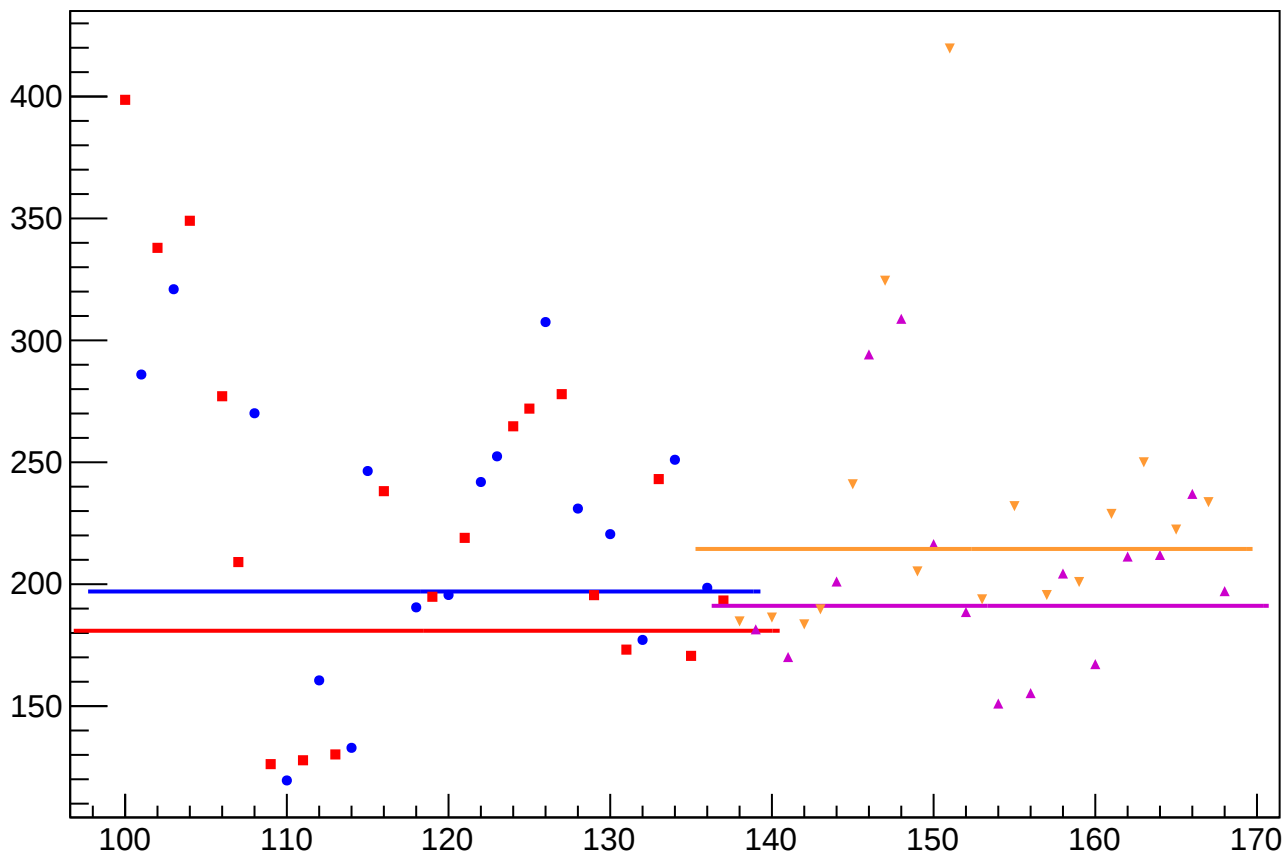
Left In: -605.581 ± 58.080 χ^2/NDF : 956.6/14

+ sign 381.693 ± 50.073 χ^2/NDF : 1756.9/32

All: 168.250 ± 33.630 χ^2/NDF : 3634.2/66

- sign -7.130 ± 45.390 χ^2/NDF : 1844.1/33

asym_bpm0l08WS_rms vs Slug



Right In: 197.013 $\pm$ 0.057 χ^2 /NDF: 911923.5/16

Left Out: 214.460 $\pm$ 0.045 χ^2 /NDF: 777420.9/15

Right Out: 180.906 $\pm$ 0.051 χ^2 /NDF: 1345685.7/18

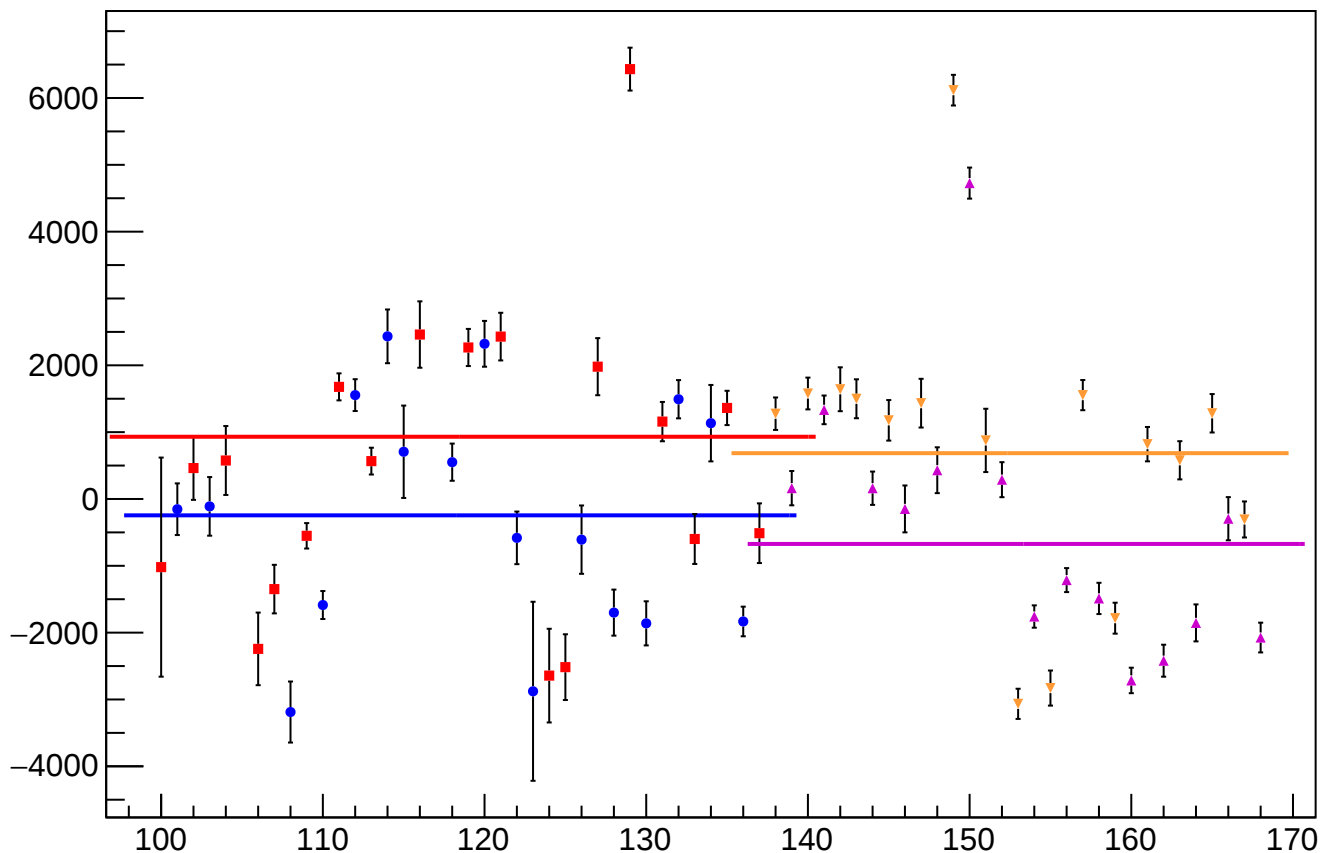
Left In: 191.136 $\pm$ 0.041 χ^2 /NDF: 787275.3/14

+ sign 207.653 $\pm$ 0.035 χ^2 /NDF: 1747116.7/32

All: 196.400 $\pm$ 0.024 χ^2 /NDF: 4088219.5/66

- sign 187.154 $\pm$ 0.032 χ^2 /NDF: 2157115.8/33

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 685.446 ± 66.941 χ^2/NDF : 1206.0/15

Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

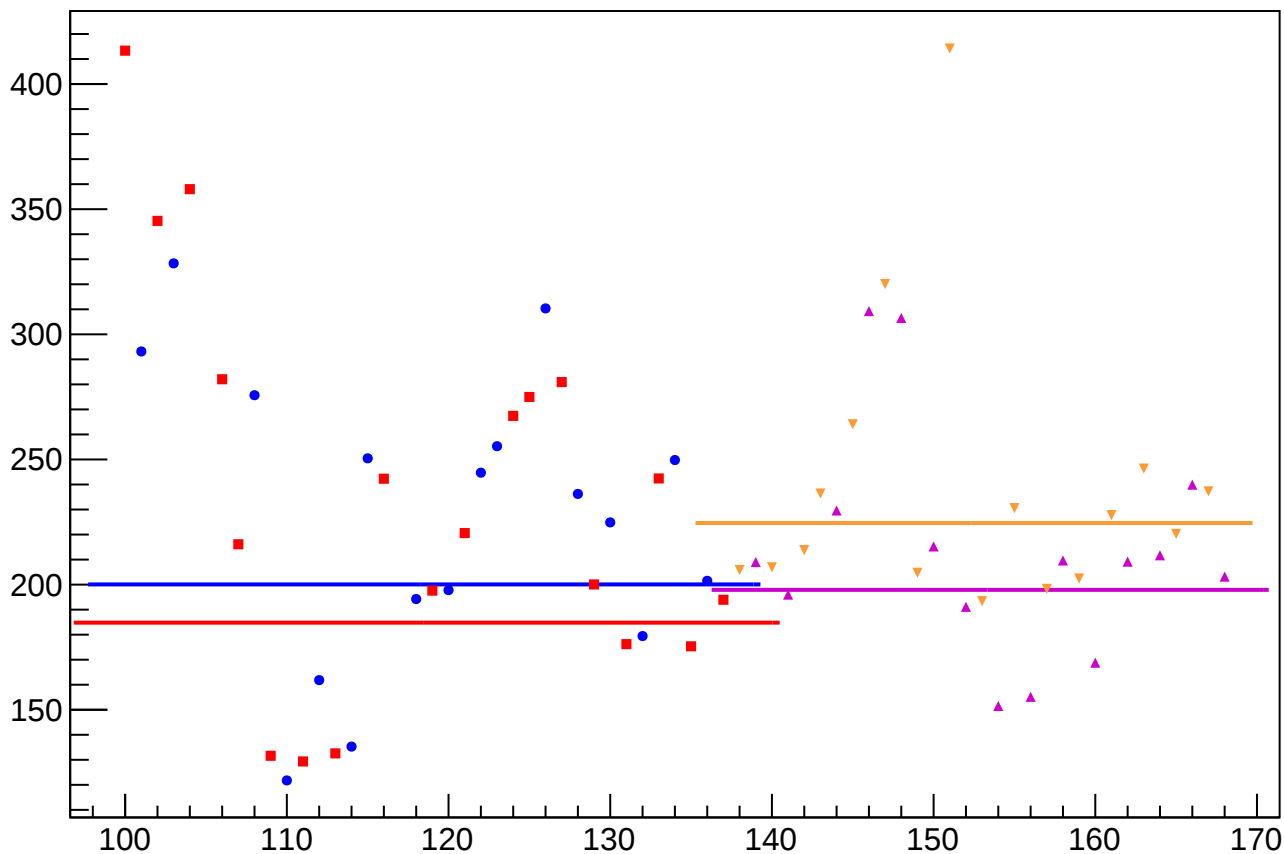
Left In: -672.867 ± 60.226 χ^2/NDF : 965.9/14

+ sign 310.064 ± 51.702 χ^2/NDF : 1675.4/32

All: 119.813 ± 34.681 χ^2/NDF : 3557.4/66

- sign -35.825 ± 46.763 χ^2/NDF : 1857.4/33

asym_bpm0l09WS_rms vs Slug



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 224.619+/-0.047 χ^2/NDF : 636566.0/15

Right Out: 184.807+/-0.052 χ^2/NDF : 1318267.6/18

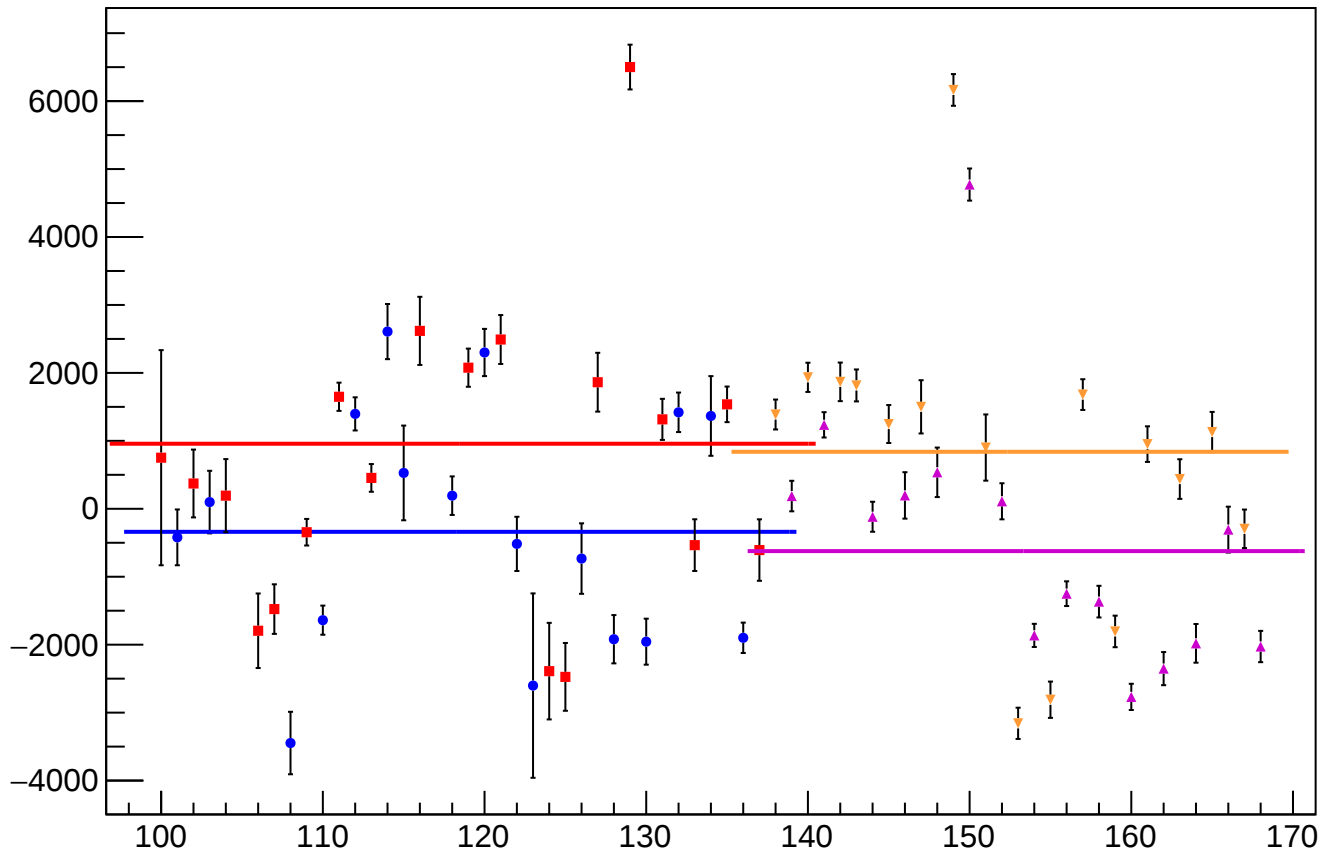
Left In: 197.906+/-0.043 χ^2/NDF : 814670.2/14

+ sign 214.717+/-0.037 χ^2/NDF : 1663325.2/32

All: 202.609+/-0.025 χ^2/NDF : 4033255.1/66

- sign 192.704+/-0.033 χ^2/NDF : 2170505.7/33

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 839.029 ± 65.115 χ^2/NDF : 1239.8/15

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

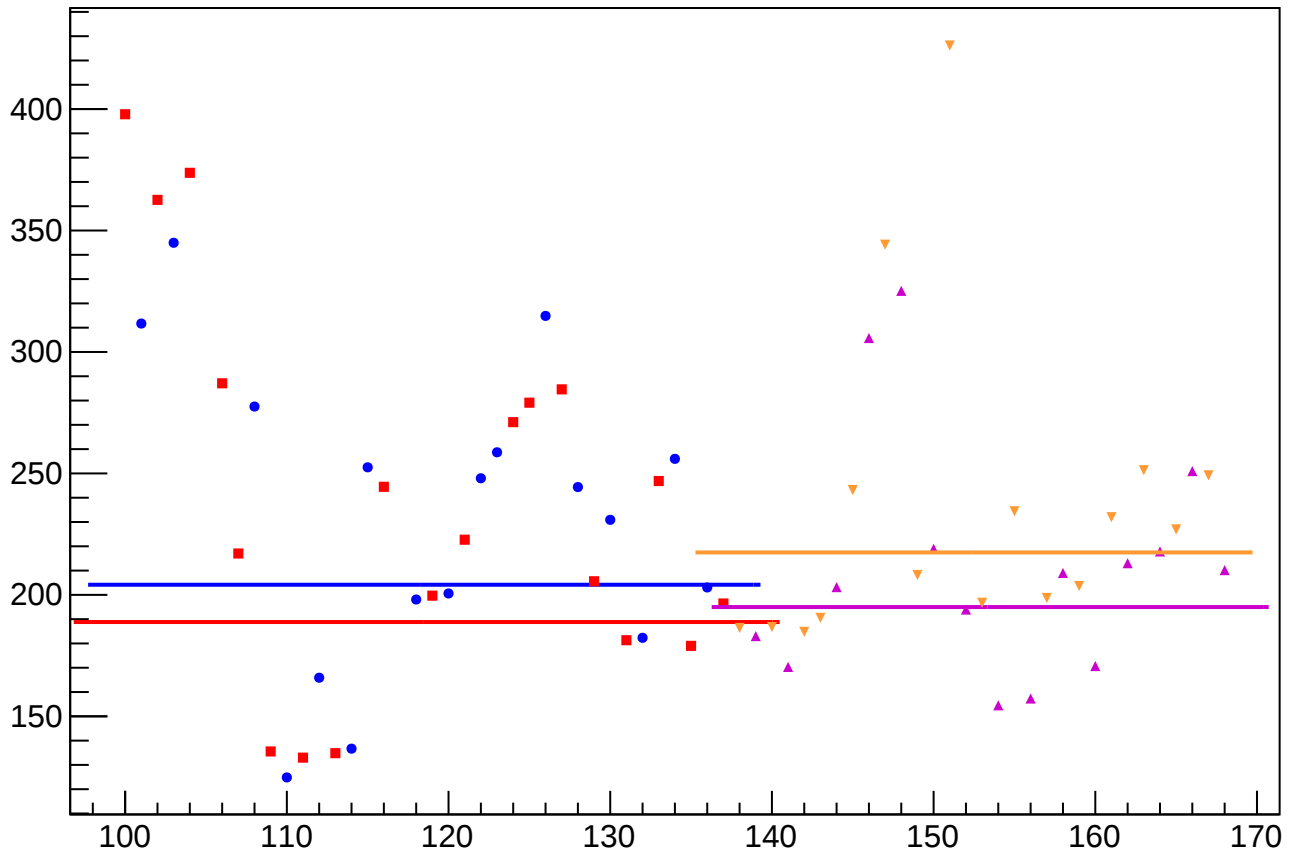
Left In: -622.820 ± 59.324 χ^2/NDF : 972.2/14

+ sign 391.053 ± 51.260 χ^2/NDF : 1753.7/32

All: 165.373 ± 34.524 χ^2/NDF : 3601.6/66

- sign -21.985 ± 46.705 χ^2/NDF : 1812.4/33

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 217.475 $\pm$ 0.046 χ^2 /NDF: 834635.4/15

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

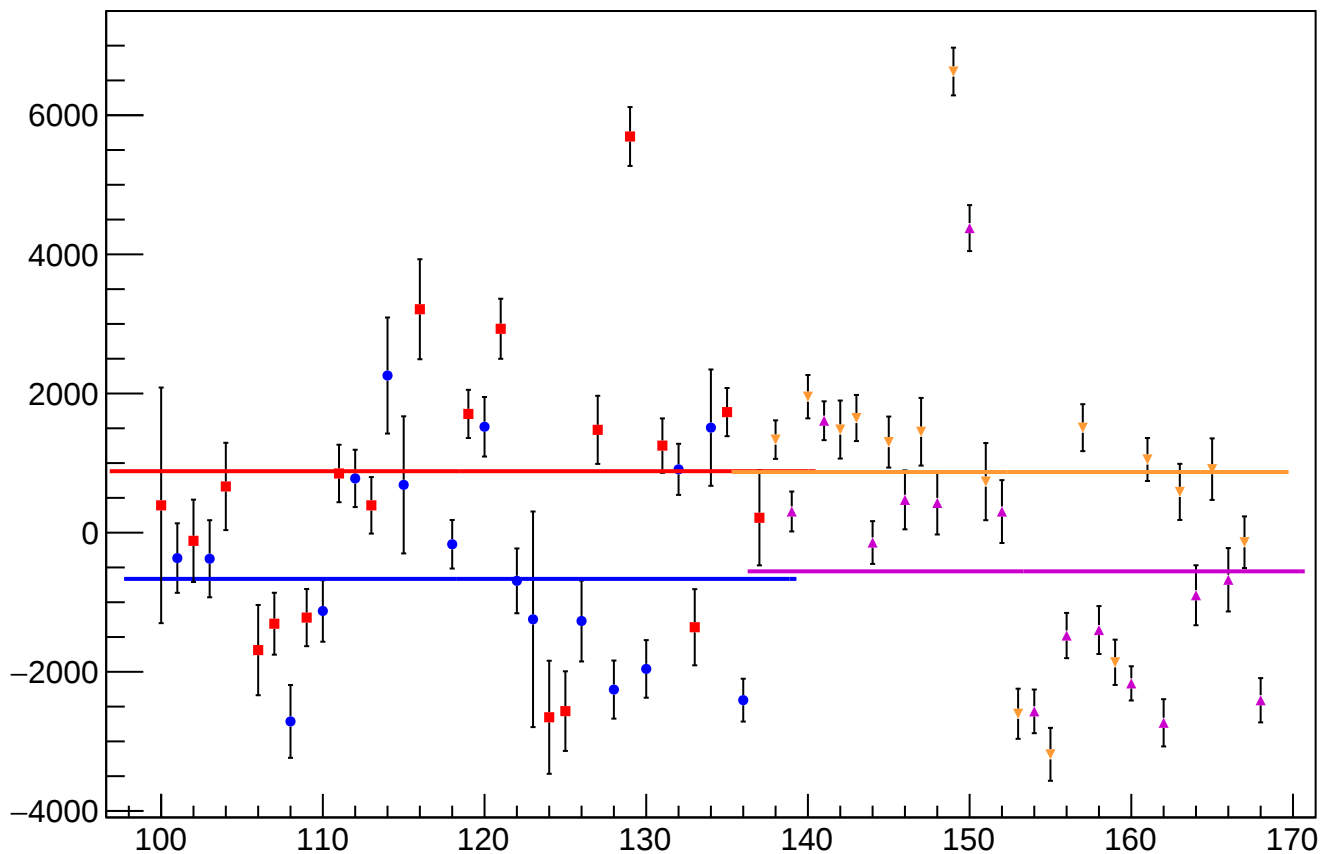
Left In: 194.988 $\pm$ 0.042 χ^2 /NDF: 854714.1/14

+ sign 212.417 $\pm$ 0.036 χ^2 /NDF: 1813804.4/32

All: 201.613 $\pm$ 0.024 χ^2 /NDF: 4154243.7/66

- sign 192.643 $\pm$ 0.033 χ^2 /NDF: 2177821.2/33

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 871.390 ± 90.009 χ^2/NDF : 596.4/15

Right Out: 883.255 ± 110.875 χ^2/NDF : 320.1/18

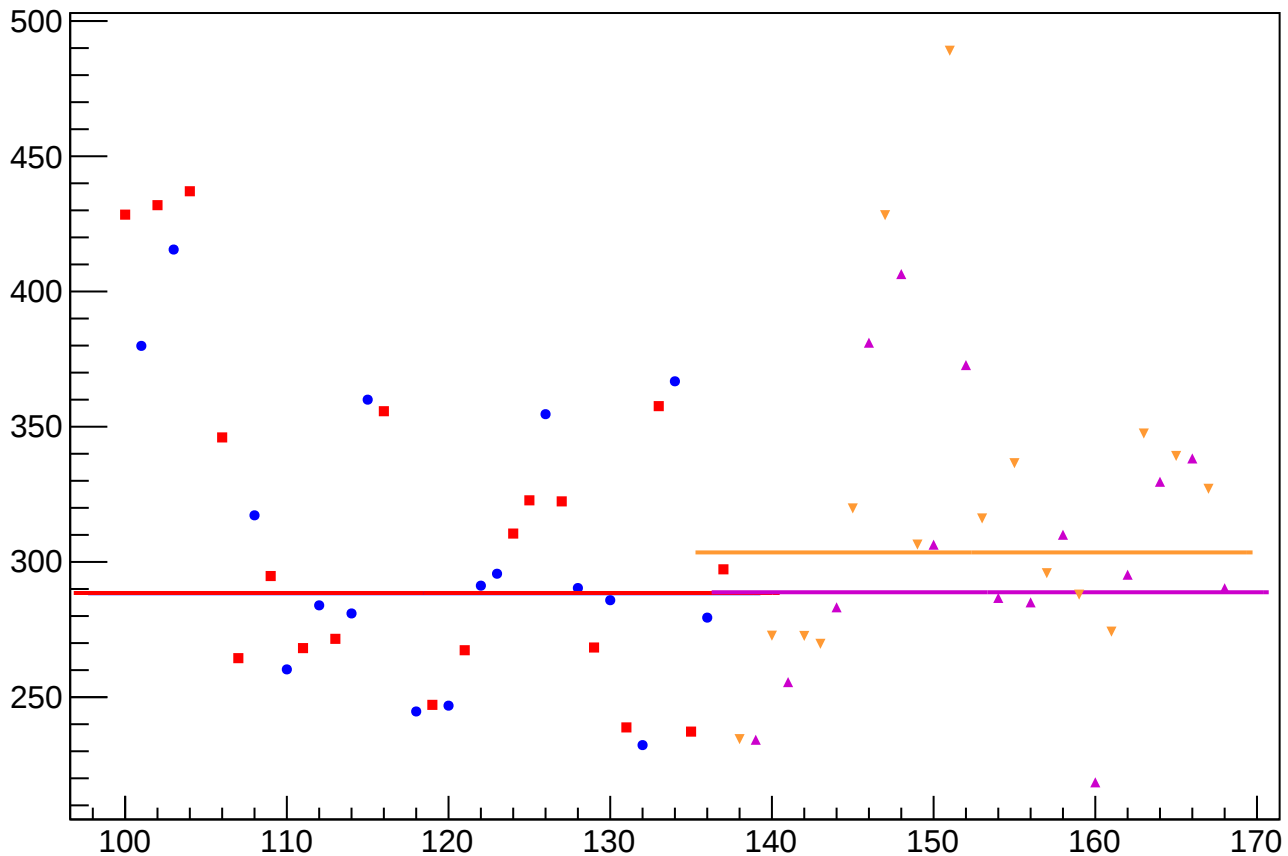
Left In: -555.983 ± 86.581 χ^2/NDF : 481.8/14

+ sign 281.313 ± 70.632 χ^2/NDF : 862.6/32

All: 130.230 ± 49.077 χ^2/NDF : 1777.9/66

- sign -10.795 ± 68.240 χ^2/NDF : 906.5/33

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 303.520 $\pm$ 0.064 χ^2 /NDF:620721.1/15

Right Out: 288.522 $\pm$ 0.078 χ^2 /NDF: 455410.1/18

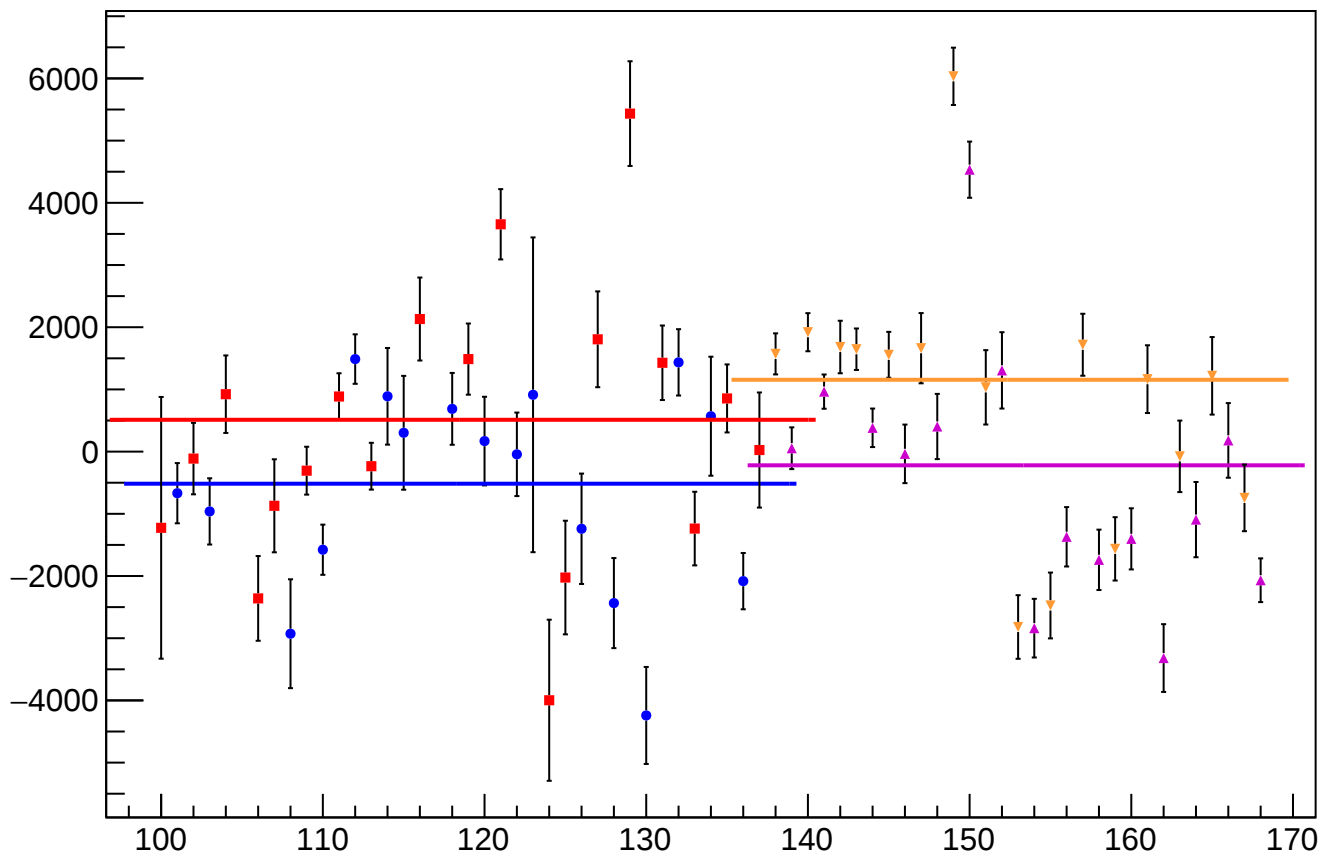
Left In: 288.791 $\pm$ 0.061 χ^2 /NDF:619295.2/14

+ sign 297.721 $\pm$ 0.050 χ^2 /NDF: 982143.3/32

All: 293.050 $\pm$ 0.035 χ^2 /NDF: 2073770.1/66

- sign 288.689 $\pm$ 0.048 χ^2 /NDF: 1074712.6/33

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1155.243 ± 111.697 $\chi^2/\text{NDF}: 280.1/15$

Right Out: 511.851 ± 135.798 $\chi^2/\text{NDF}: 141.3/18$

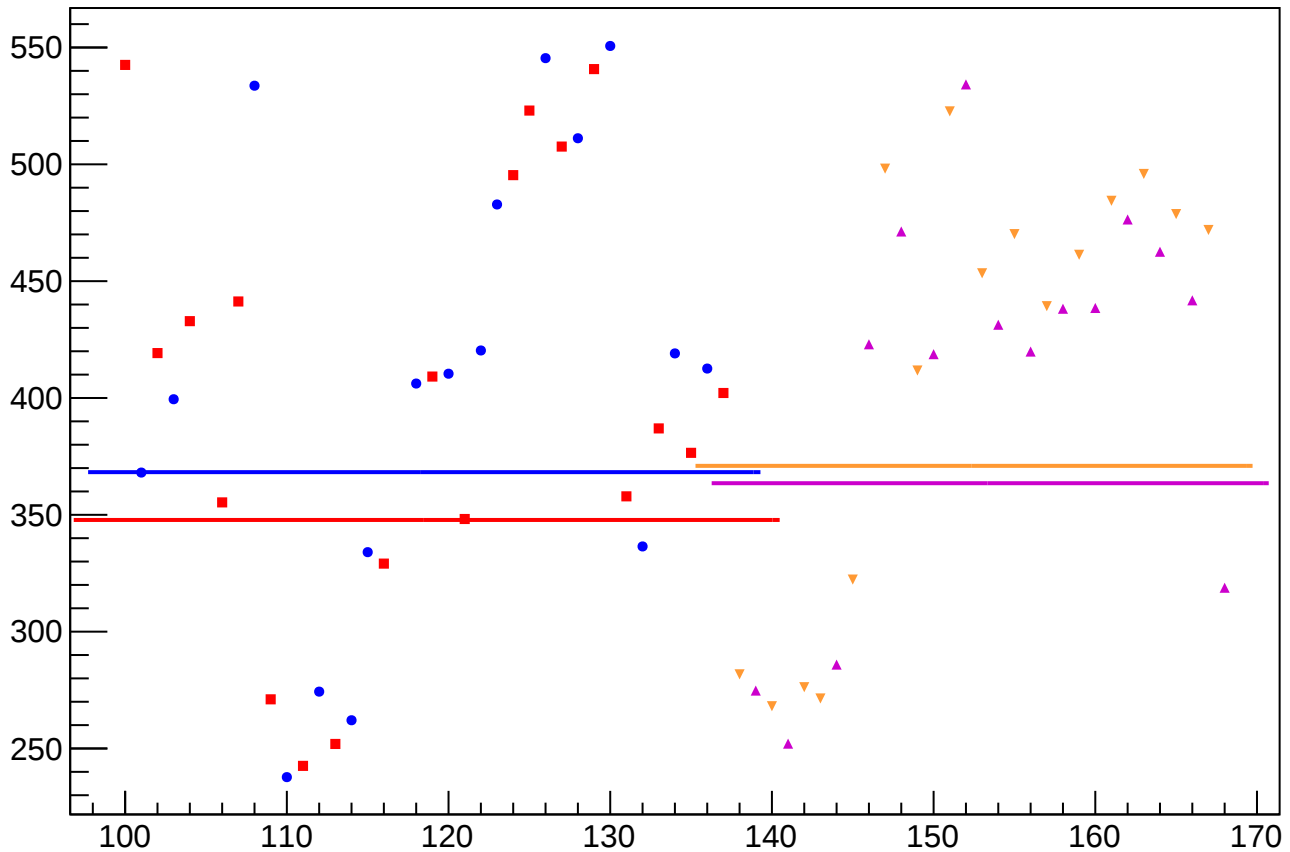
Left In: -220.153 ± 110.121 $\chi^2/\text{NDF}: 256.2/14$

+ sign 545.278 ± 89.008 $\chi^2/\text{NDF}: 469.8/32$

All: 298.308 ± 61.673 $\chi^2/\text{NDF}: 899.6/66$

- sign 70.243 ± 85.533 $\chi^2/\text{NDF}: 415.0/33$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 370.957+/-0.079 χ^2/NDF : 1465901.5/15

Right Out: 347.802+/-0.096 χ^2/NDF : 821862.5/18

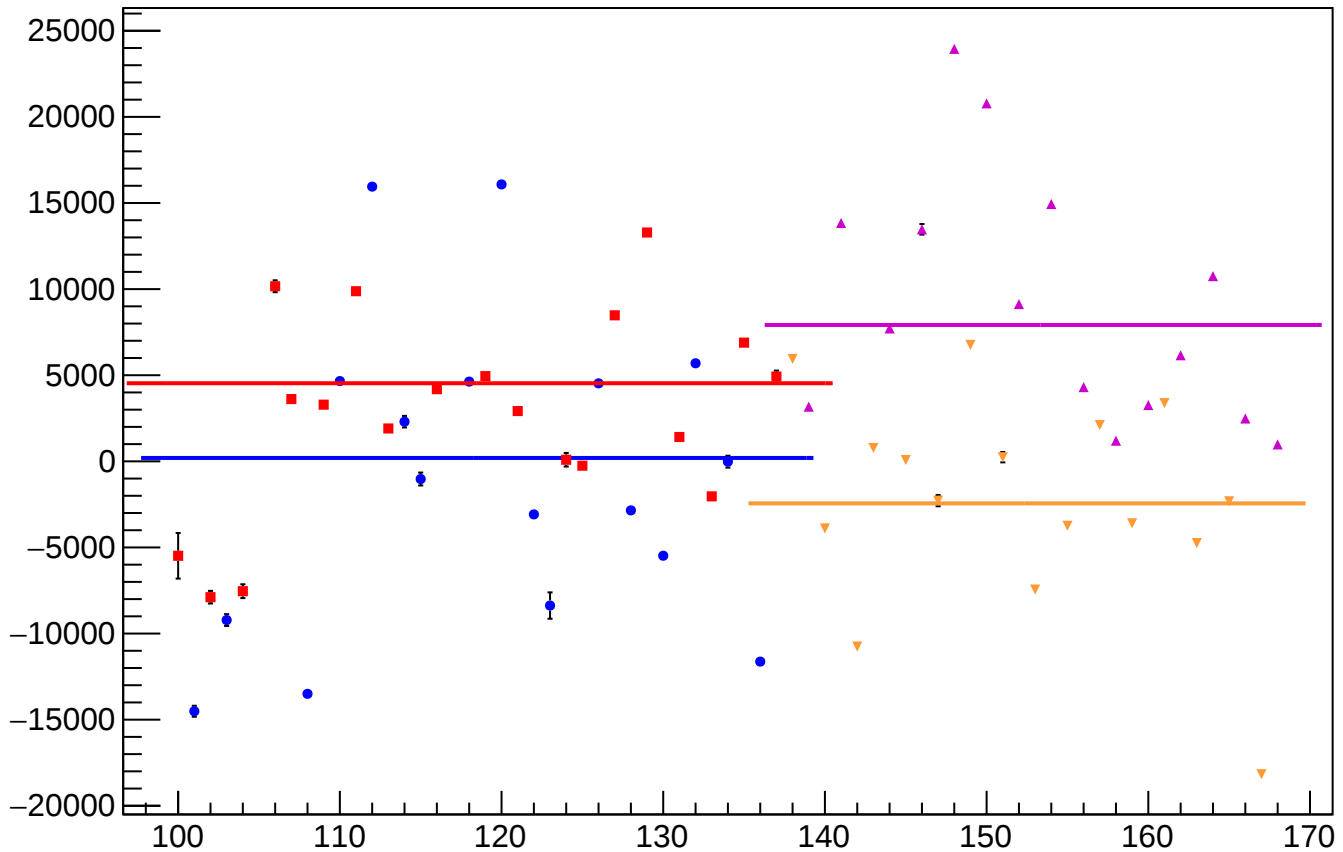
Left In: 363.530+/-0.078 χ^2/NDF : 1263598.6/14

+ sign 369.974+/-0.063 χ^2/NDF : 2236442.4/32

All: 363.380+/-0.044 χ^2/NDF : 4359202.7/66

- sign 357.291+/-0.060 χ^2/NDF : 2101646.3/33

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -2440.246+/-50.525 χ^2/NDF :13671.5/15

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

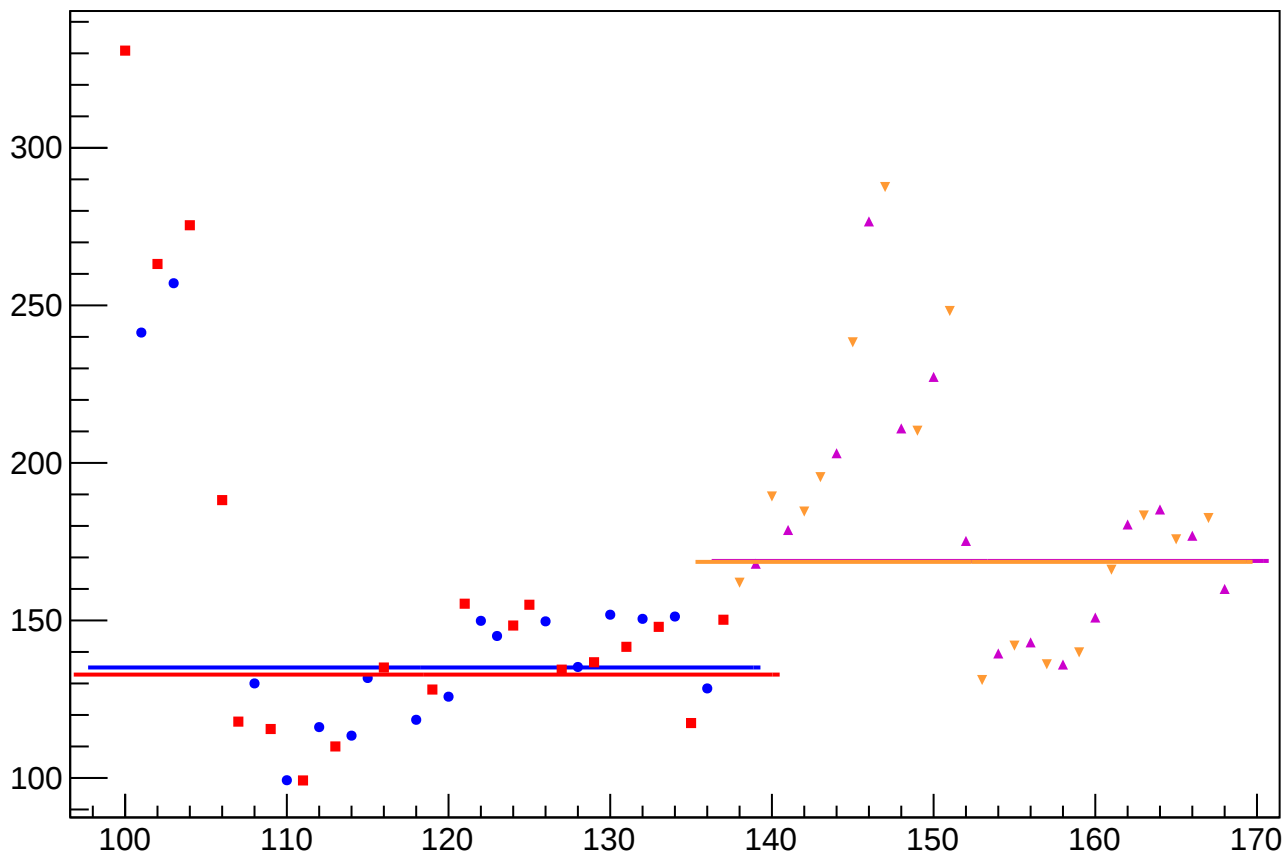
Left In: 7917.275+/-51.177 χ^2/NDF :16462.4/14

+ sign -1228.451+/-37.146 χ^2/NDF : 45581.7/32

All: 2571.661+/-26.083 χ^2/NDF : 92297.3/66

- sign 6267.672+/-36.633 χ^2/NDF : 26070.4/33

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 168.591 $\pm$ 0.036 χ^2 /NDF: 1012860.5/15

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

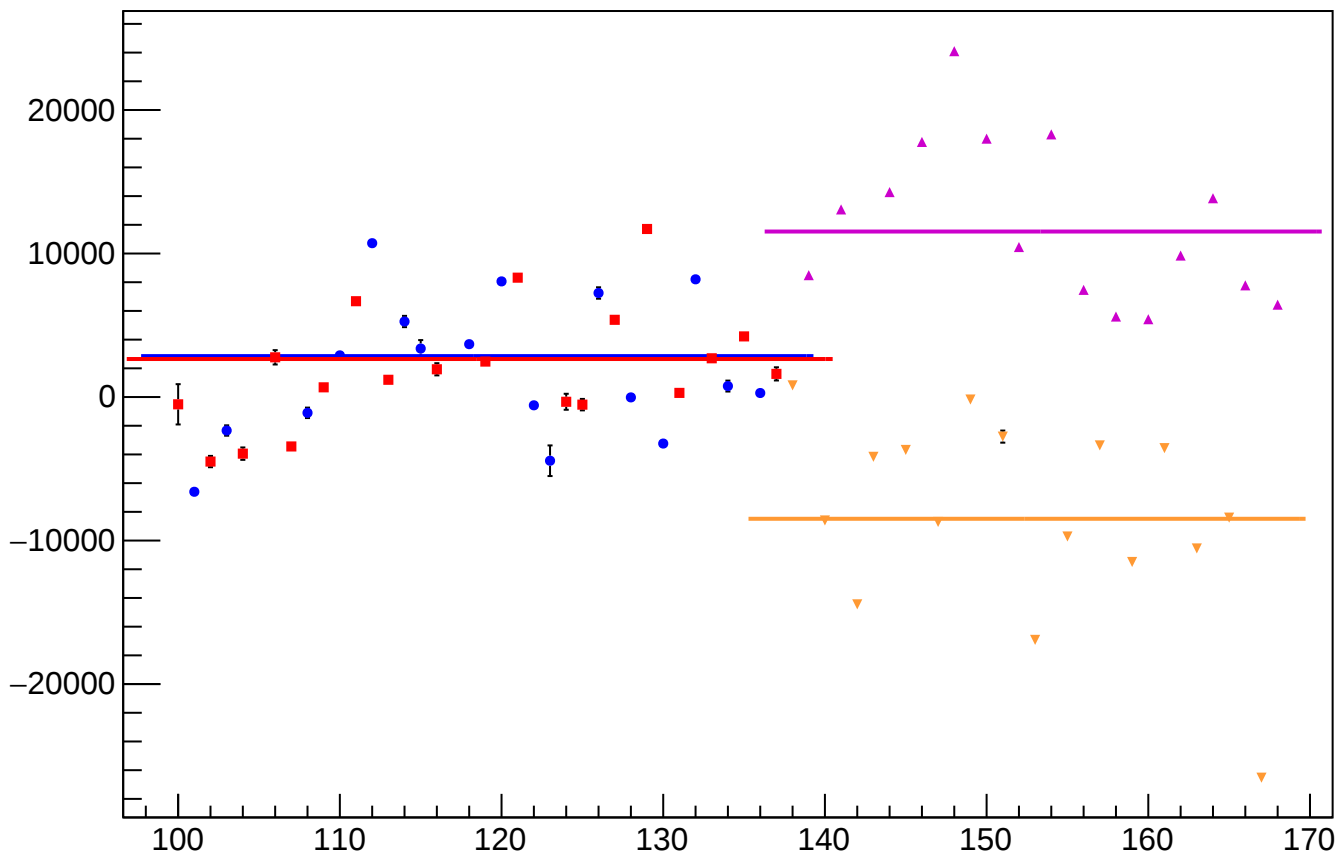
Left In: 168.885 $\pm$ 0.036 χ^2 /NDF: 736712.3/14

+ sign 153.189 $\pm$ 0.026 χ^2 /NDF: 2076021.3/32

All: 152.230 $\pm$ 0.018 χ^2 /NDF: 4130968.3/66

- sign 151.298 $\pm$ 0.026 χ^2 /NDF: 2052318.7/33

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -8482.959+/-57.447 χ^2/NDF :15098.2/15

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

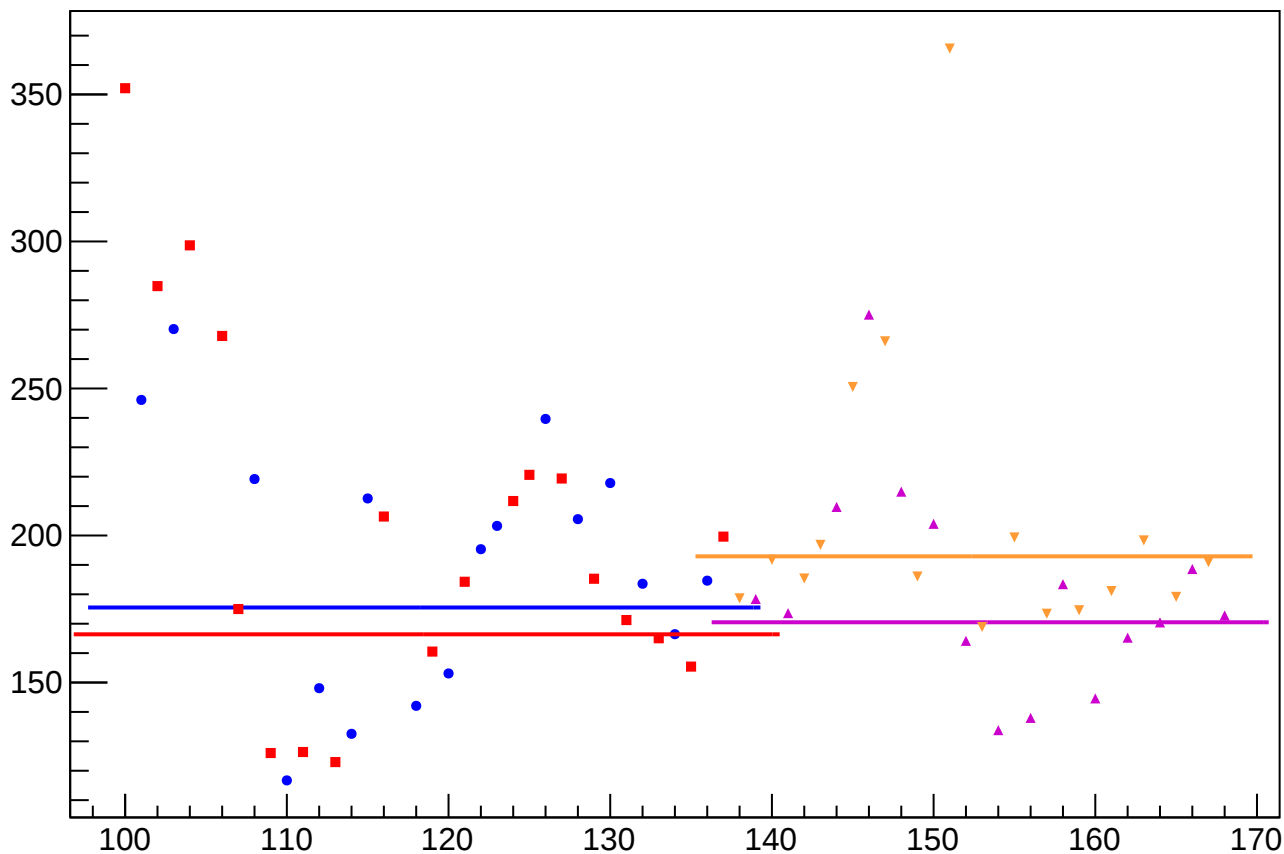
Left In: 11532.072+/-51.711 χ^2/NDF :10481.7/14

+ sign -3979.666+/-44.598 χ^2/NDF : 34742.9/32

All: 2639.318+/-30.039 χ^2/NDF : 100001.1/60

- sign 8136.112+/-40.642 χ^2/NDF : 24938.5/33

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 192.912 $\pm$ 0.041 χ^2 /NDF: 628067.8/15

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

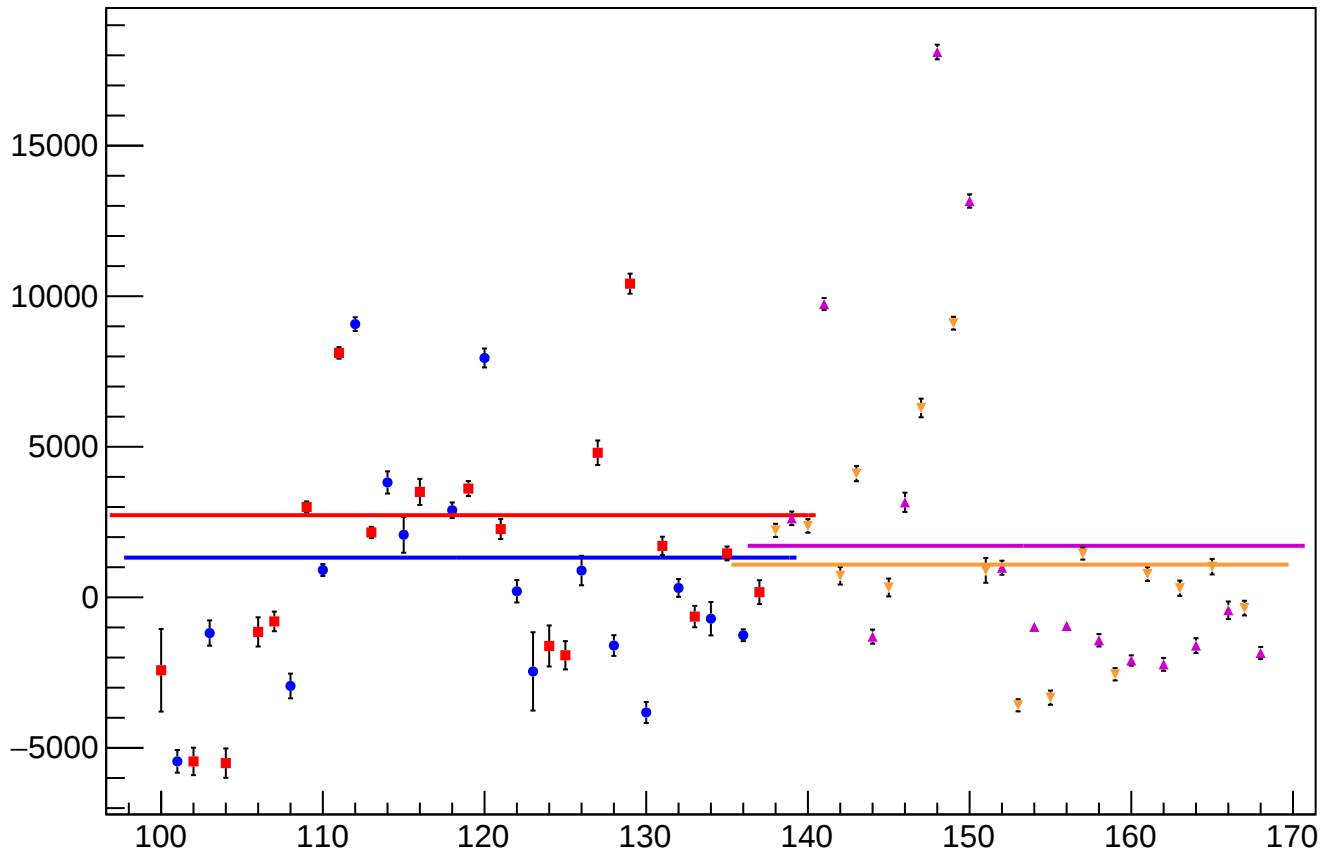
Left In: 170.488 $\pm$ 0.037 χ^2 /NDF: 686618.1/14

+ sign 185.999 $\pm$ 0.032 χ^2 /NDF: 1390588.3/32

All: 176.670 $\pm$ 0.021 χ^2 /NDF: 3171743.3/66

- sign 168.922 $\pm$ 0.029 χ^2 /NDF: 1620946.6/33

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1086.184+/-60.371 χ^2/NDF : 3154.3/15

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

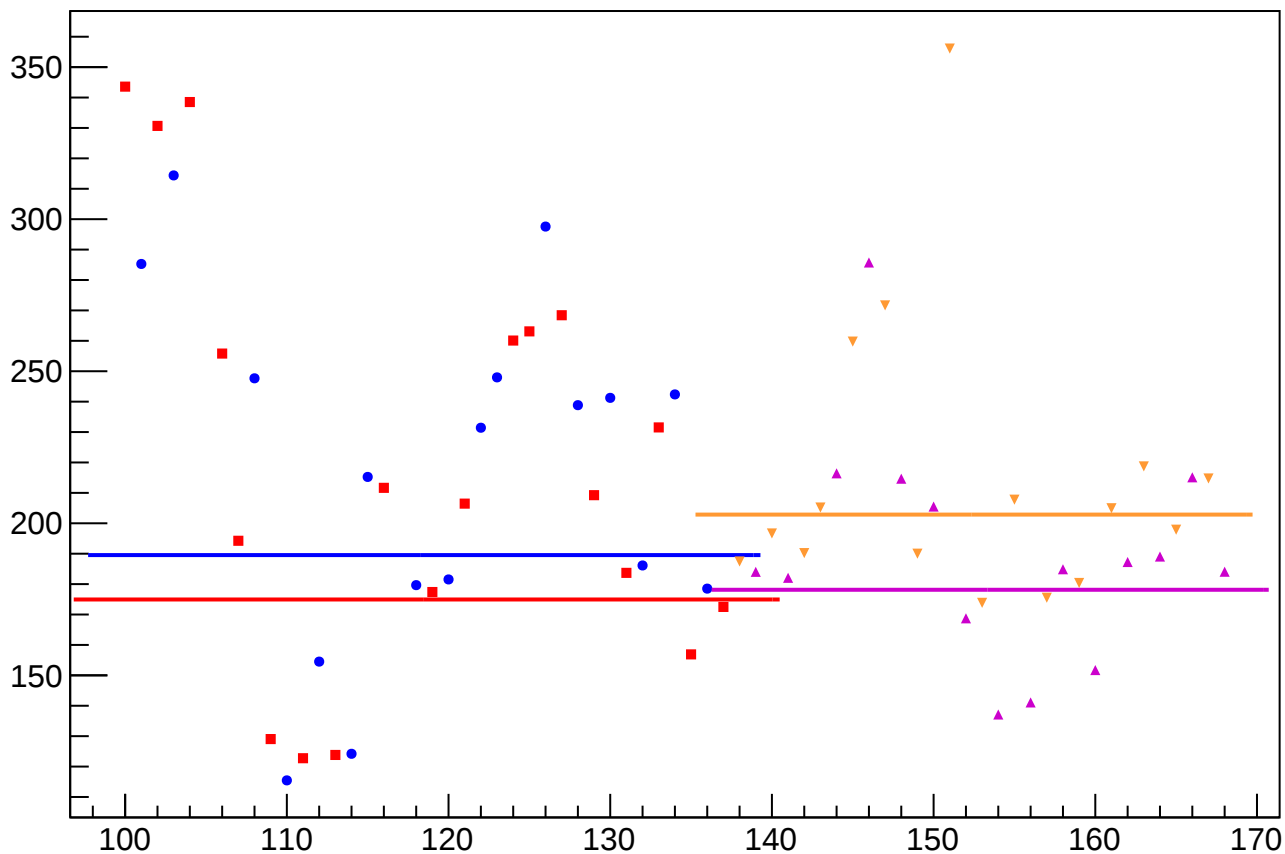
Left In: 1711.785+/-54.082 χ^2/NDF : 11211.4/14

+ sign 1174.613+/-47.544 χ^2/NDF : 5826.9/32

All: 1680.955+/-31.811 χ^2/NDF : 19871.4/66

- sign 2091.361+/-42.804 χ^2/NDF : 13839.1/33

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 202.860 $\pm$ 0.043 χ^2 /NDF: 587933.9/15

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

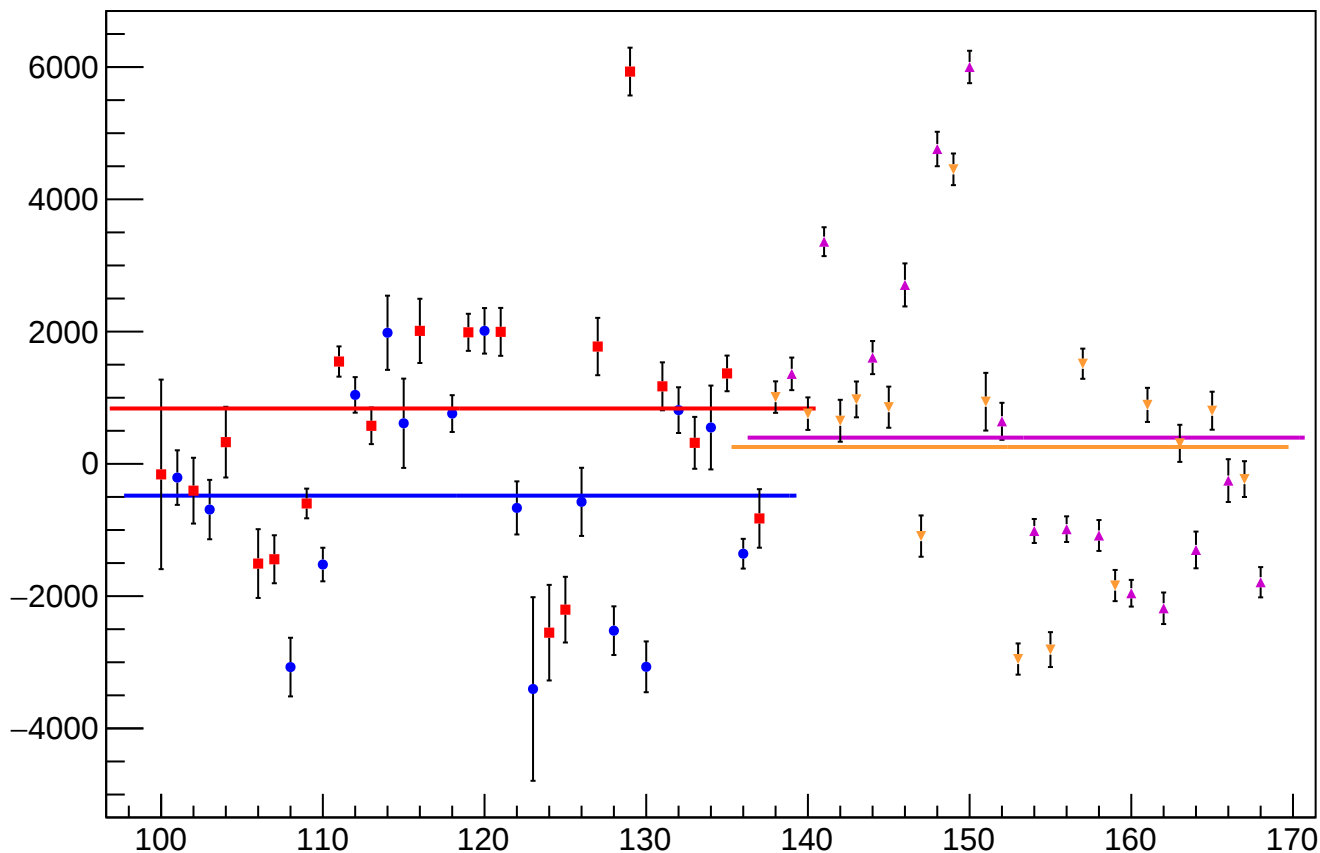
Left In: 178.137 $\pm$ 0.038 χ^2 /NDF: 702448.8/14

+ sign 197.803 $\pm$ 0.034 χ^2 /NDF: 1605631.4/32

All: 186.282 $\pm$ 0.022 χ^2 /NDF: 3820415.0/66

- sign 176.944 $\pm$ 0.030 χ^2 /NDF: 2002160.2/33

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 254.970 ± 66.806 χ^2/NDF : 797.2/15

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

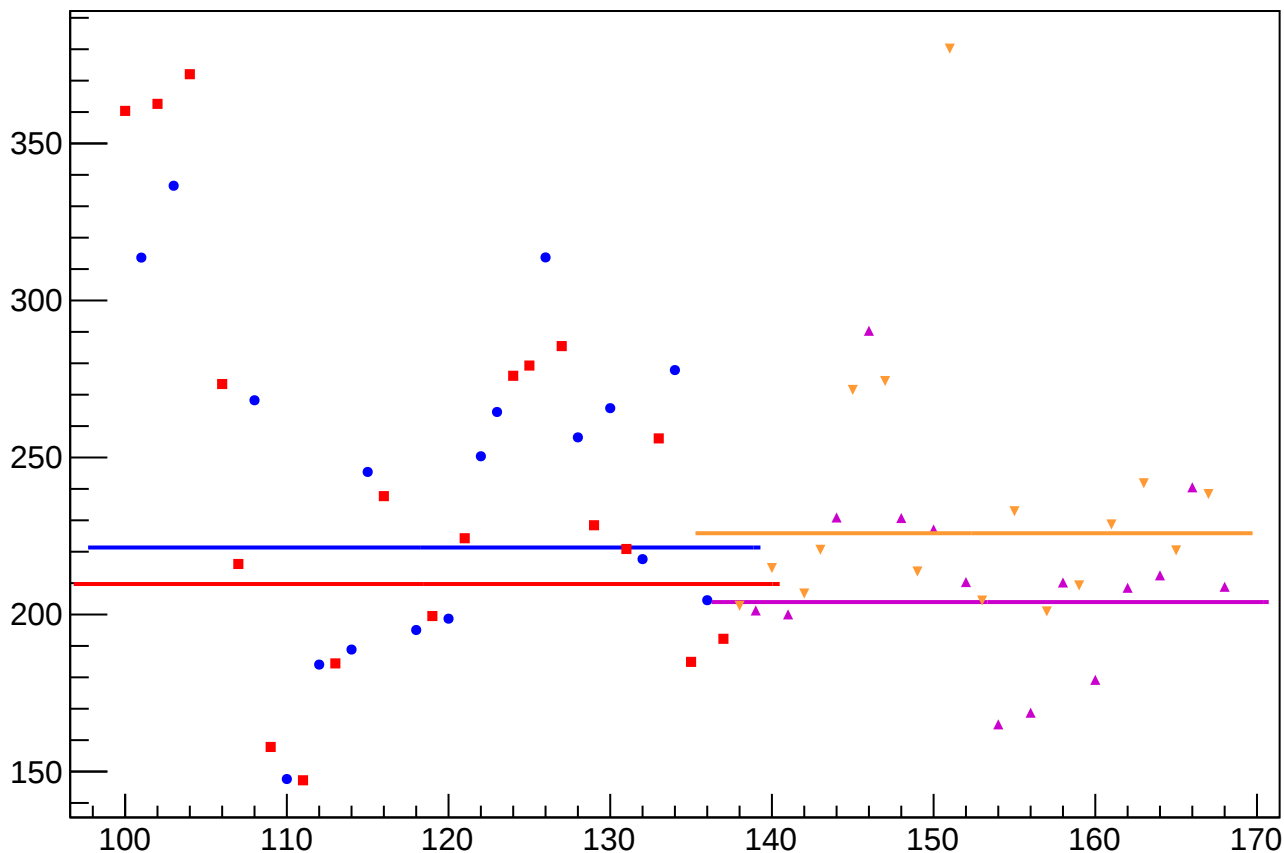
Left In: 396.715 ± 61.304 χ^2/NDF : 1615.2/14

+ sign -11.486 ± 53.351 χ^2/NDF : 1131.8/32

All: 294.453 ± 36.149 χ^2/NDF : 3261.6/66

- sign 554.130 ± 49.152 χ^2/NDF : 2068.9/33

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 225.888 $\pm$ 0.047 χ^2 /NDF: 440939.8/15

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

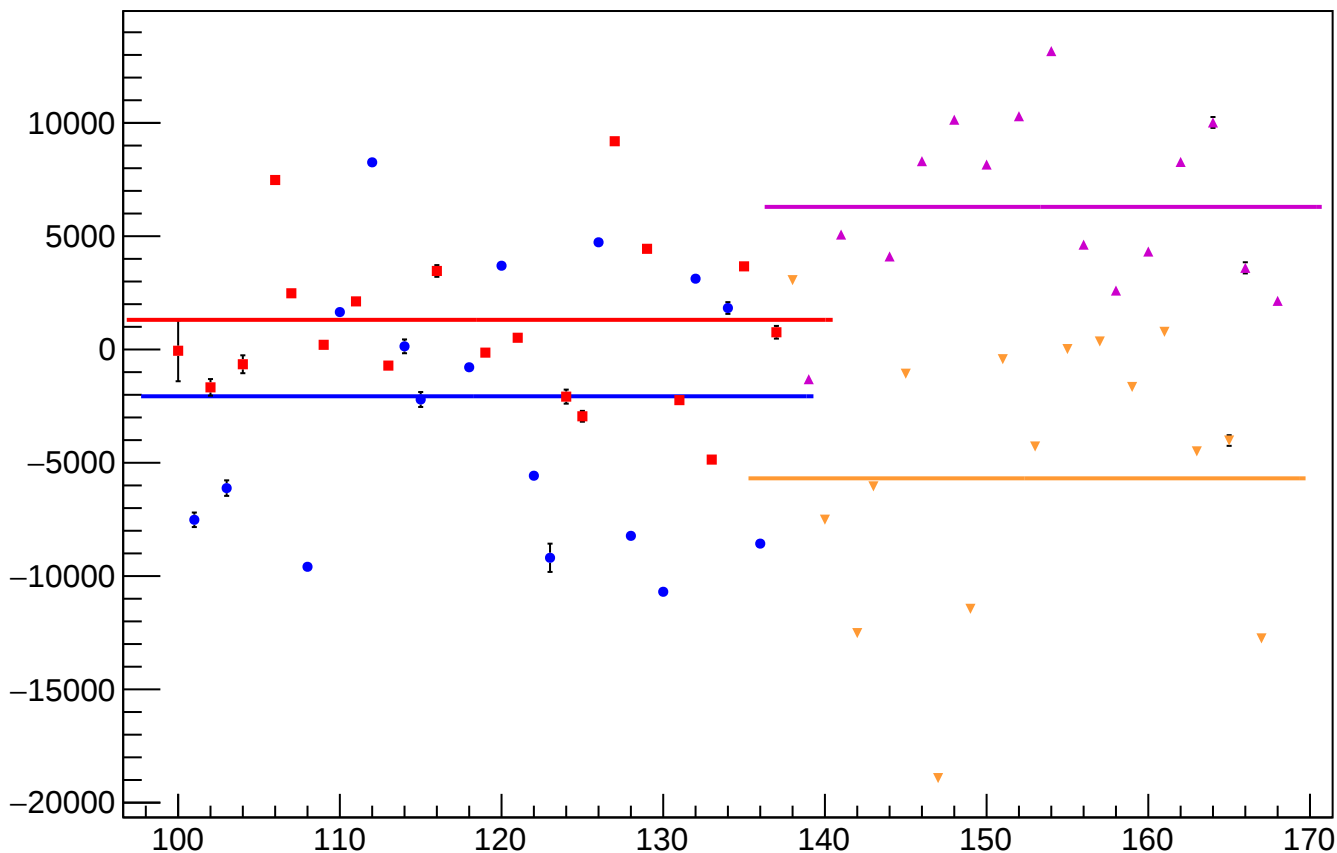
Left In: 203.967 $\pm$ 0.043 χ^2 /NDF: 423622.4/14

+ sign 224.241 $\pm$ 0.038 χ^2 /NDF: 1089982.4/32

All: 214.386 $\pm$ 0.026 χ^2 /NDF: 2529982.8/66

- sign 206.021 $\pm$ 0.035 χ^2 /NDF: 1313822.9/33

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 $\pm$ 47.322 χ^2 /NDF: 16533.3/16

Left Out: -5686.485 $\pm$ 37.391 χ^2 /NDF: 29316.8/15

Right Out: 1308.512 $\pm$ 45.001 χ^2 /NDF: 5894.4/18

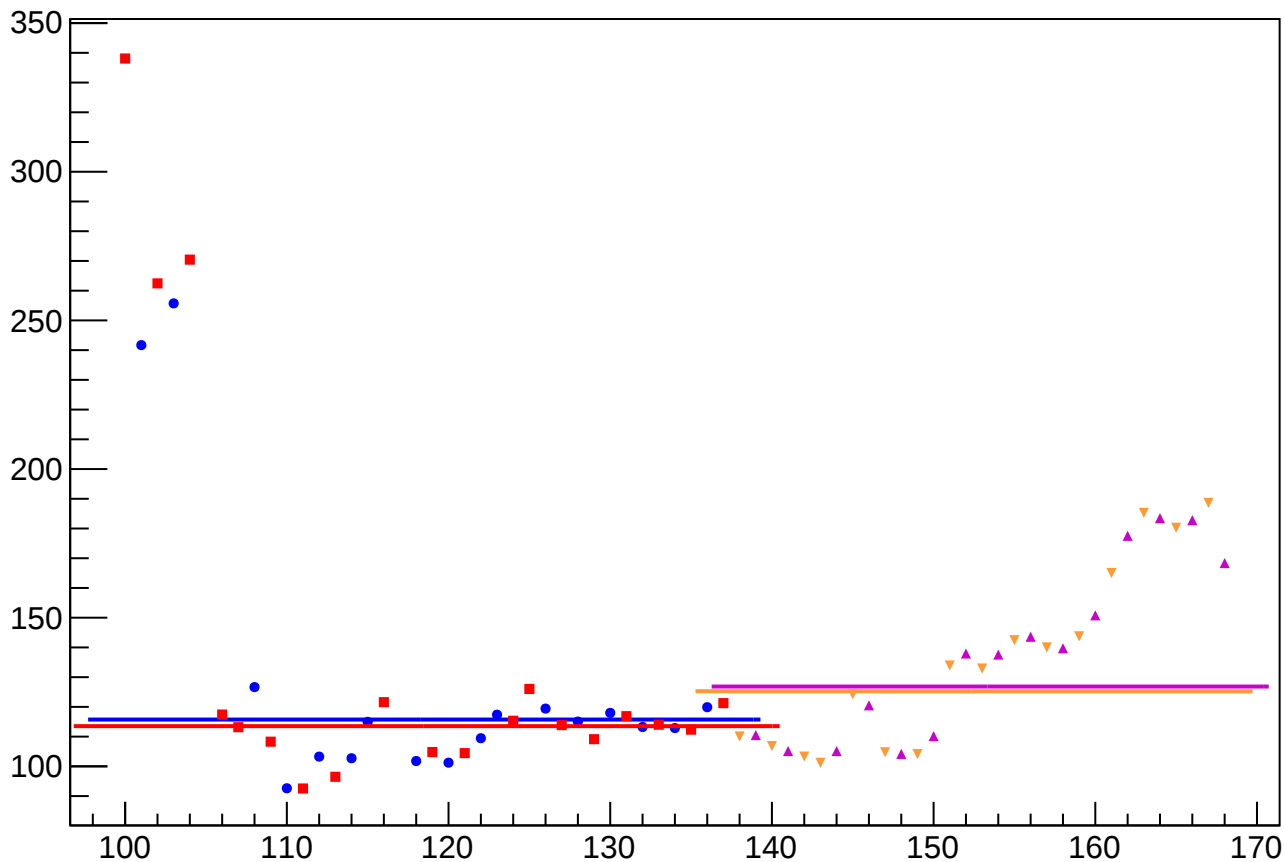
Left In: 6293.907 $\pm$ 38.085 χ^2 /NDF: 9629.0/14

+ sign -4294.614 $\pm$ 29.338 χ^2 /NDF: 49455.4/32

All: -1.754 $\pm$ 20.650 χ^2 /NDF: 114563.9/66

- sign 4213.362 $\pm$ 29.071 χ^2 /NDF: 22674.5/33

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 125.275 $\pm$ 0.026 χ^2 /NDF: 917634.8/15

Right Out: 113.519 $\pm$ 0.032 χ^2 /NDF: 796640.6/18

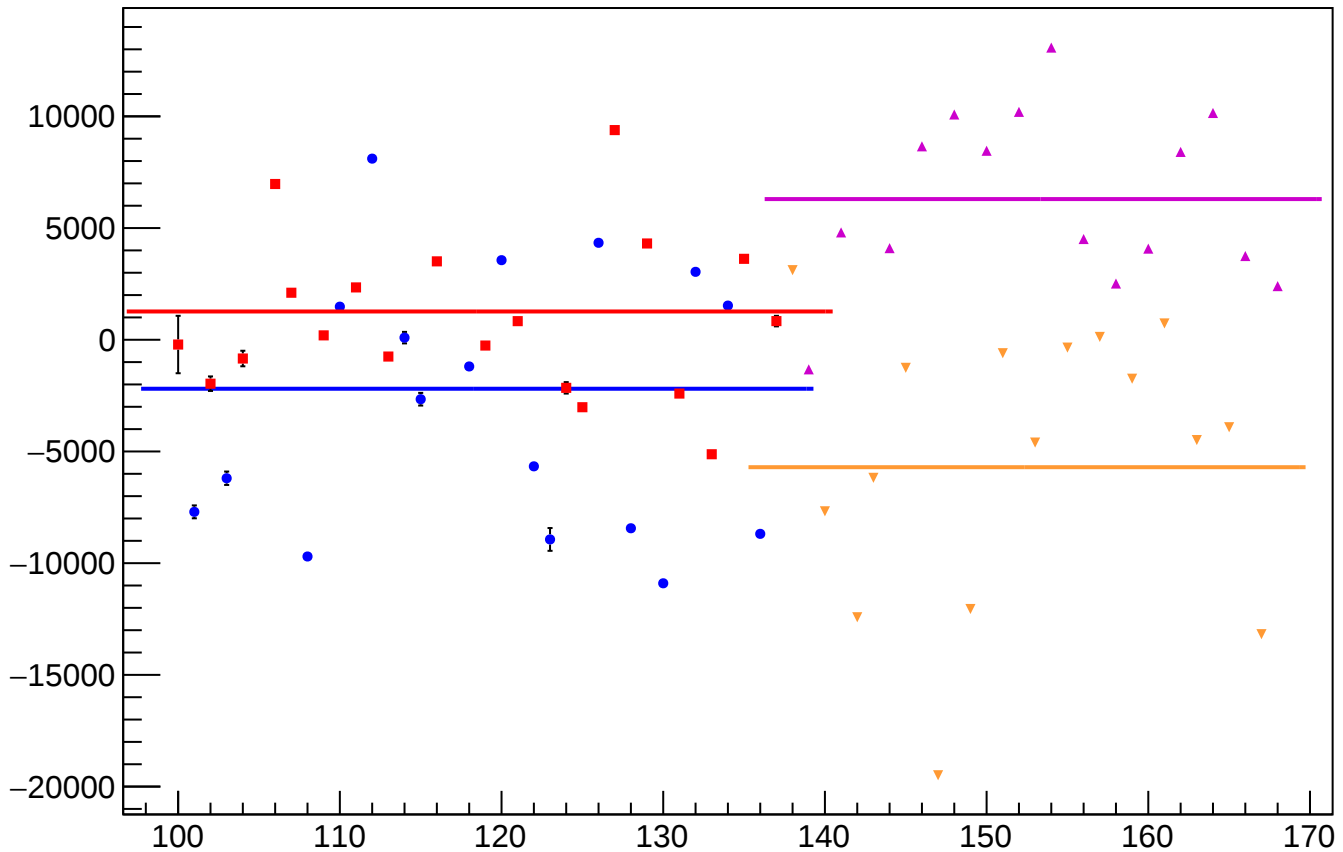
Left In: 126.842 $\pm$ 0.027 χ^2 /NDF: 823833.5/14

+ sign 121.611 $\pm$ 0.021 χ^2 /NDF: 1711640.7/32

All: 121.445 $\pm$ 0.015 χ^2 /NDF: 3434387.3/66

- sign 121.282 $\pm$ 0.021 χ^2 /NDF: 1722620.0/33

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -5704.076 ± 33.832 χ^2/NDF : 35788.2/15

Right Out: 1266.189 ± 38.048 χ^2/NDF : 8550.5/18

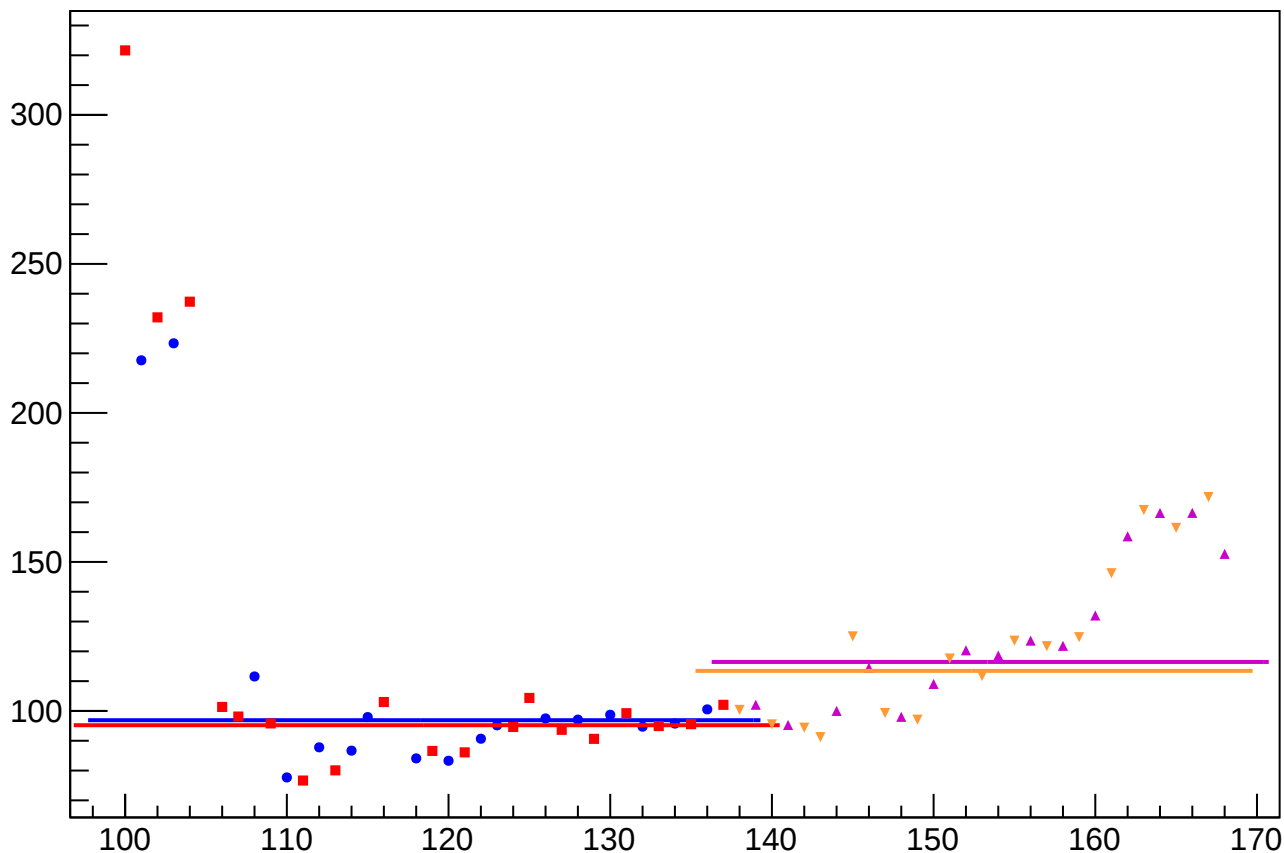
Left In: 6297.100 ± 34.864 χ^2/NDF : 11918.6/14

+ sign -4237.158 ± 25.816 χ^2/NDF : 63102.4/32

All: -100.260 ± 18.215 χ^2/NDF : 144210.3/66

- sign 4000.944 ± 25.705 χ^2/NDF : 29972.9/33

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 113.452+/-0.024 χ^2/NDF : 824669.3/15

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

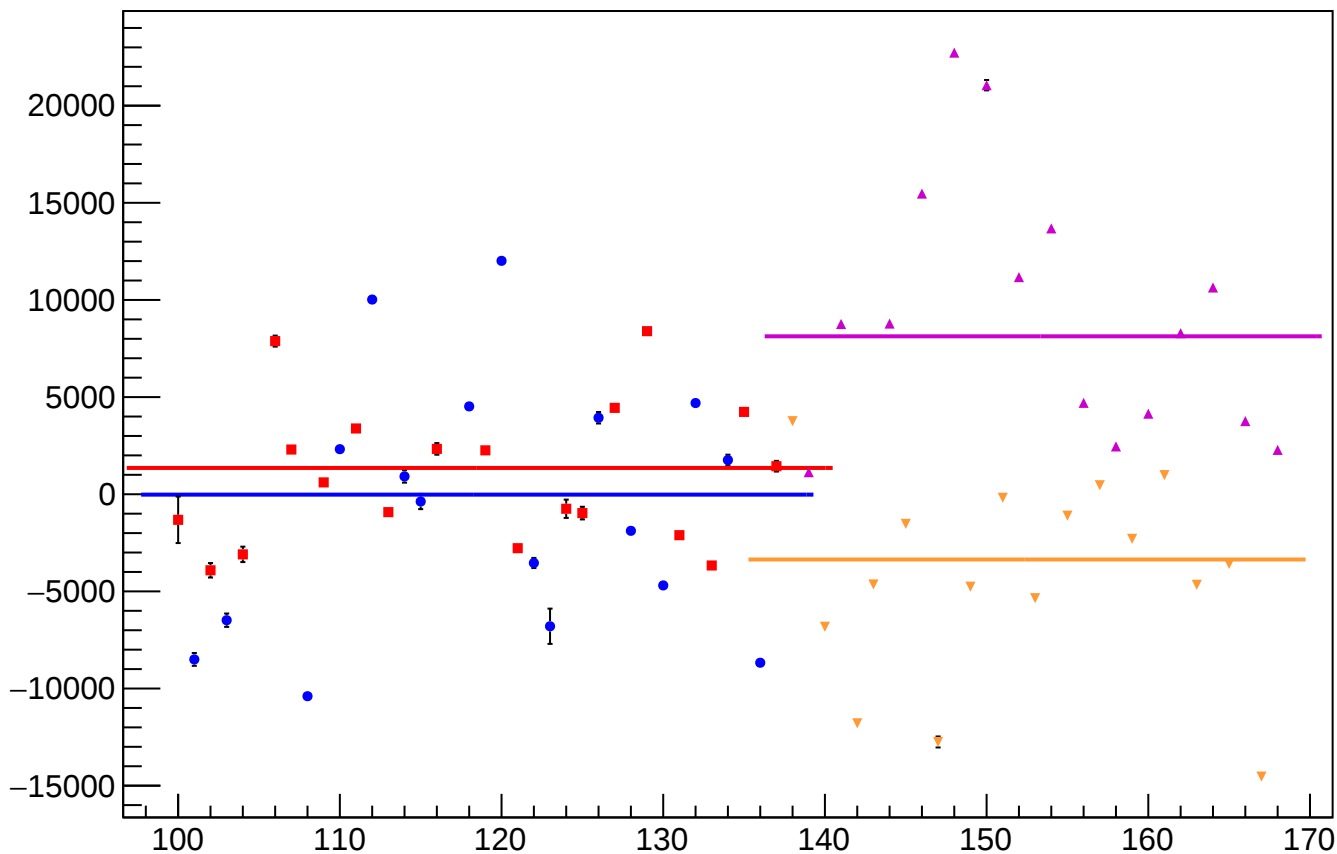
Left In: 116.441+/-0.025 χ^2/NDF : 654484.8/14

+ sign 106.535+/-0.018 χ^2/NDF : 1842004.0/32

All: 106.644+/-0.013 χ^2/NDF : 3694766.0/66

- sign 106.752+/-0.018 χ^2/NDF : 1852690.8/33

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -3359.105 ± 47.038 χ^2/NDF : 9513.8/15

Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

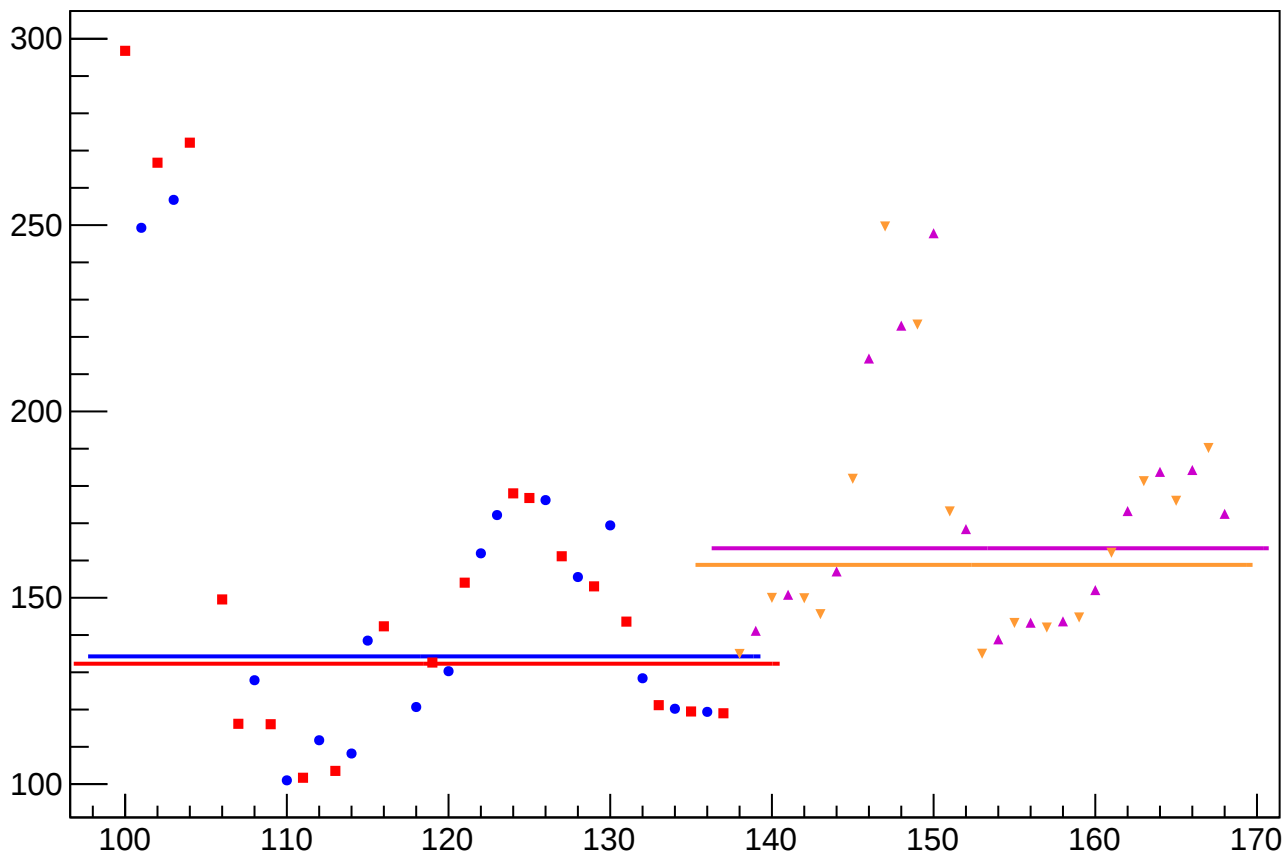
Left In: 8128.480 ± 48.849 χ^2/NDF : 13429.5/14

+ sign -1937.901 ± 35.649 χ^2/NDF : 28019.6/32

All: 1512.209 ± 25.233 χ^2/NDF : 73006.3/66

- sign 4976.121 ± 35.721 χ^2/NDF : 26216.8/33

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 158.826 $\pm$ 0.033 χ^2 /NDF: 620590.4/15

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

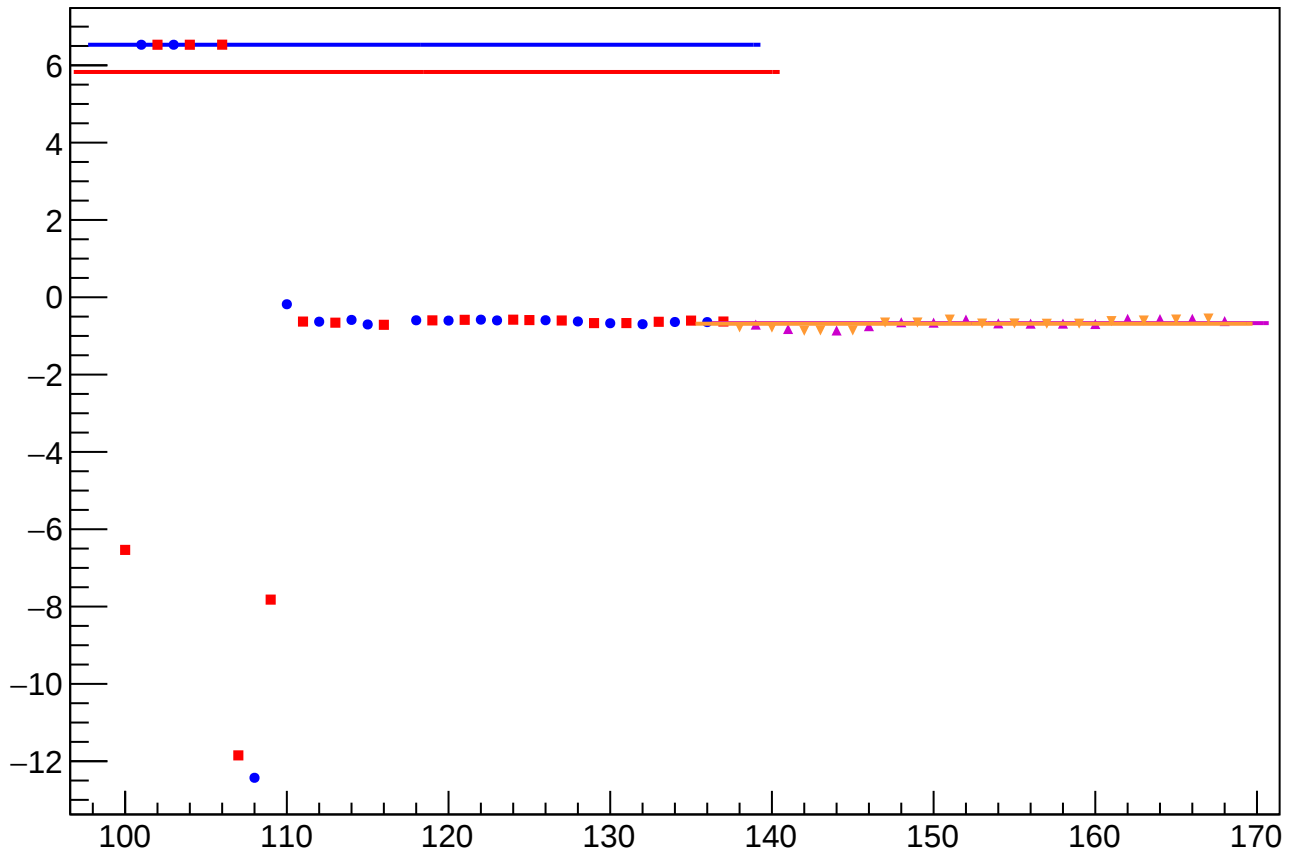
Left In: 163.283 $\pm$ 0.035 χ^2 /NDF: 609373.4/14

+ sign 148.373 $\pm$ 0.025 χ^2 /NDF: 1641266.1/32

All: 148.620 $\pm$ 0.018 χ^2 /NDF: 3495030.9/66

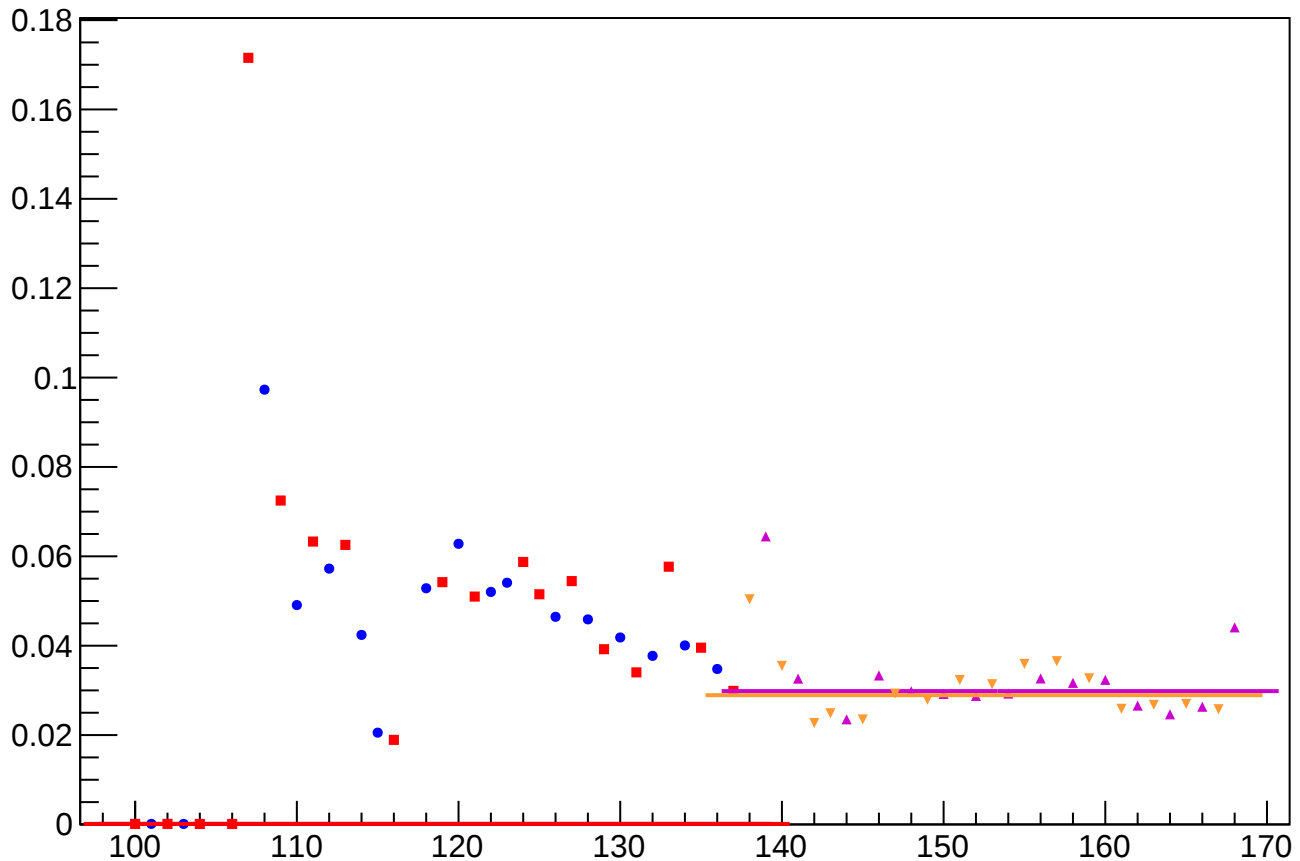
- sign 148.868 $\pm$ 0.025 χ^2 /NDF: 1853572.6/33

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16
 Left Out: -0.684 $\pm$ 0.000 χ^2 /NDF: 124022184.5/15
 Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755948646460090.5/18
 Left In: -0.669 $\pm$ 0.000 χ^2 /NDF: 95181895.6/14
 + sign 6.531 $\pm$ 0.000 χ^2 /NDF: 713386013313.2/32
 All: 6.154 $\pm$ 0.000 χ^2 /NDF: 7770902347362.1
 - sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756387767863802.6/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.029+/-0.000 χ^2/NDF : 590788.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

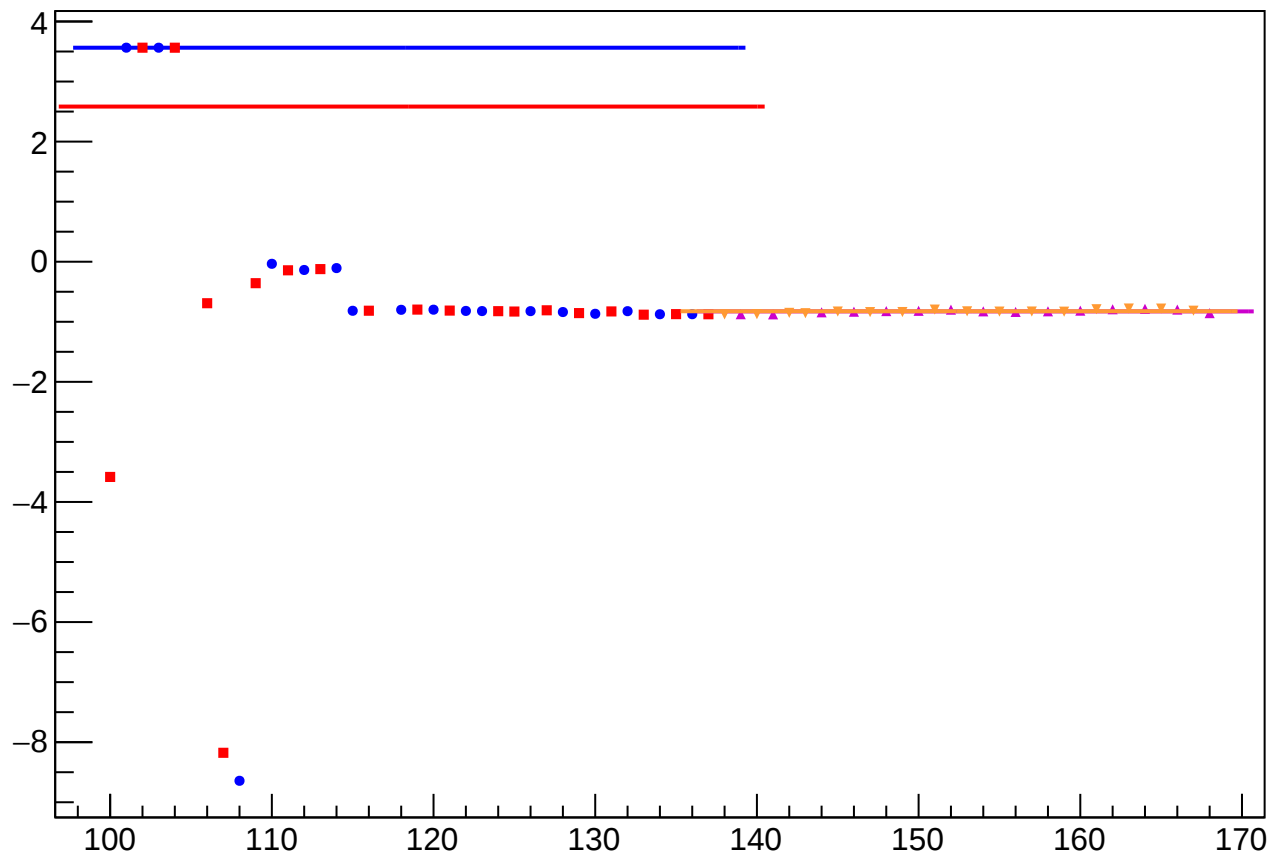
Left In: 0.030+/-0.000 χ^2/NDF : 739528.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 28269123.1/32

All: 0.000+/-0.000 χ^2/NDF : 56759223.7/66

- sign 0.000+/-0.000 χ^2/NDF : 28489600.7/33

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.825+/-0.000 χ^2/NDF : 123790496.5/15

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

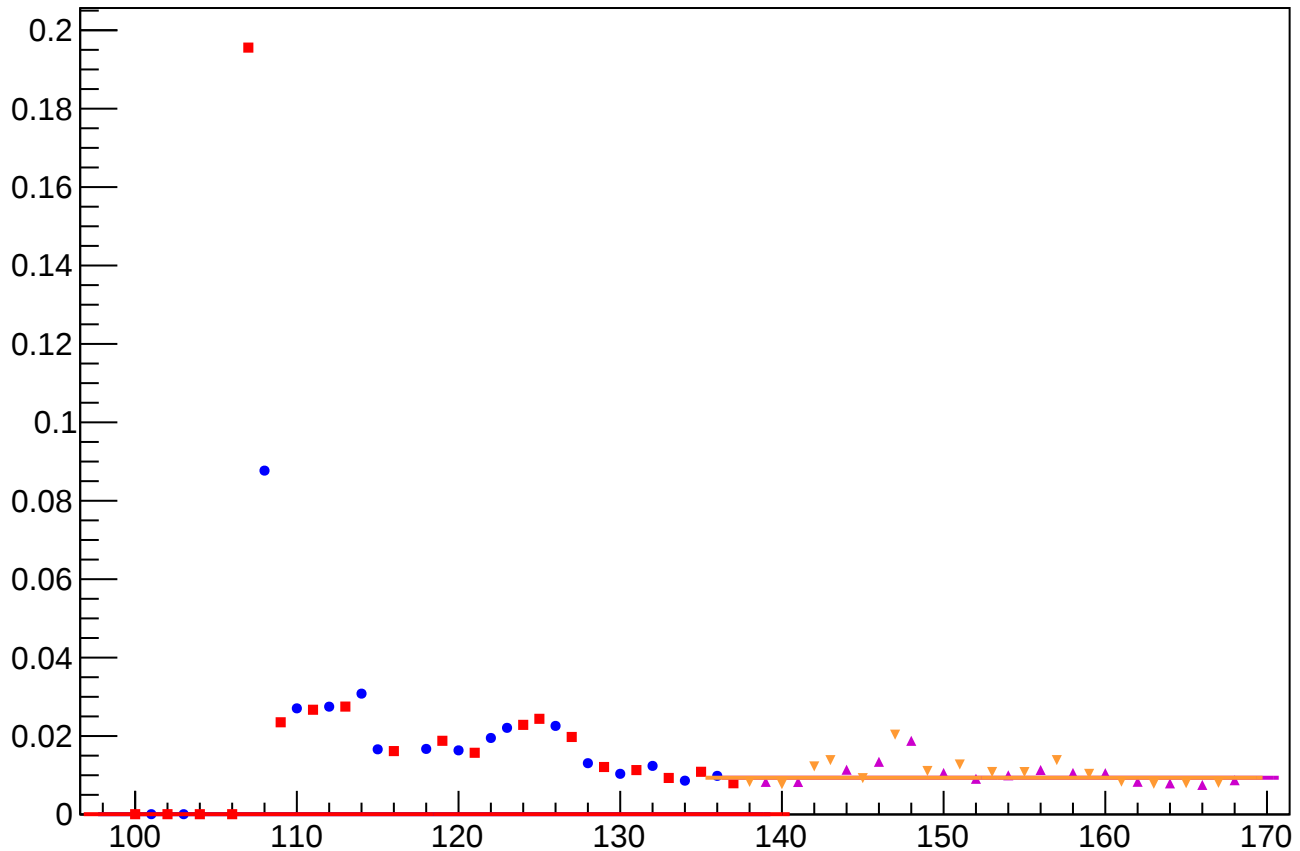
Left In: -0.827+/-0.000 χ^2/NDF : 107730139.5/14

+ sign 3.561+/-0.000 χ^2/NDF : 2527739909397.0/32

All: 3.039+/-0.000 χ^2/NDF : 13854328441283

- sign 2.582+/-0.000 χ^2/NDF : 1254738902689275.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.009+/-0.000 χ^2/NDF :1059703.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

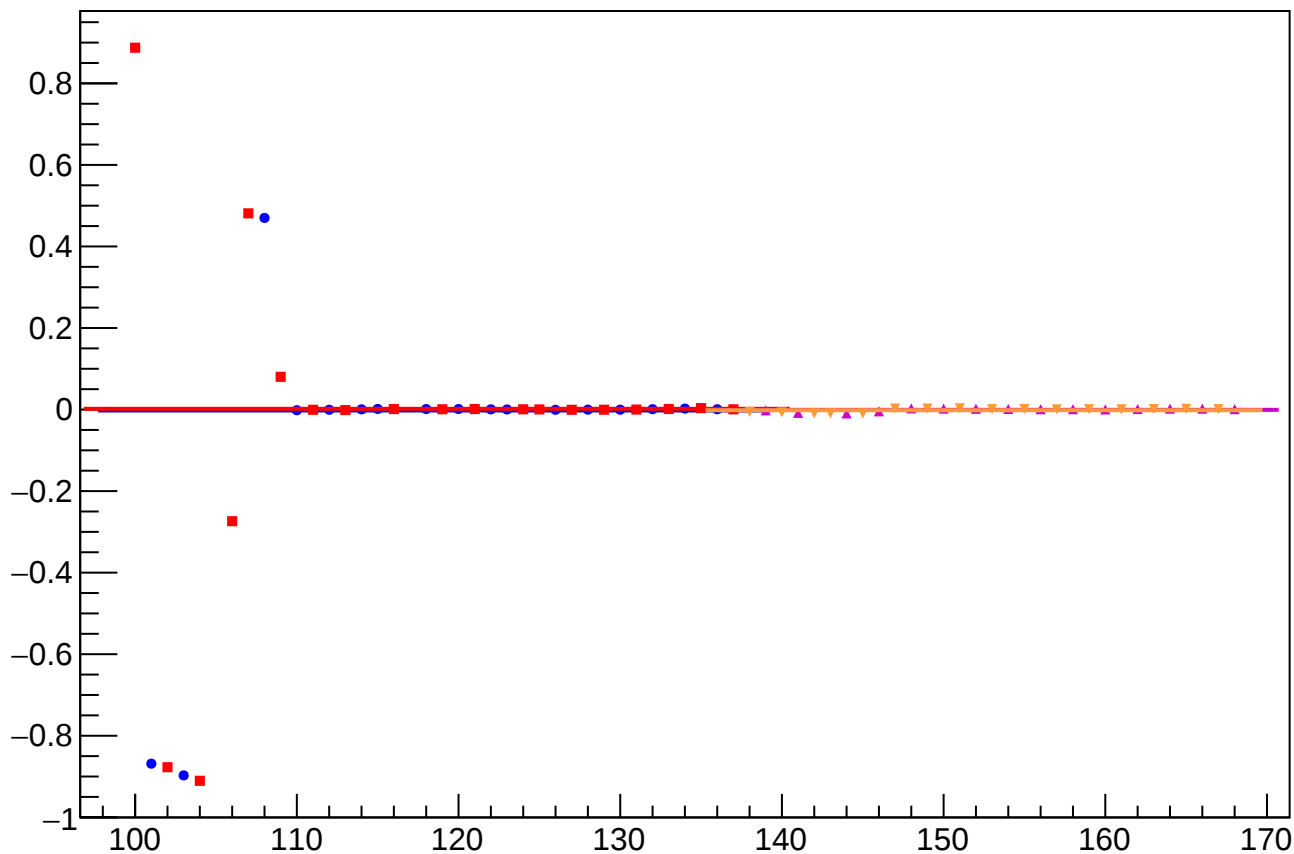
Left In: 0.009+/-0.000 χ^2/NDF :756147.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 29227005.0/32

All: 0.000+/-0.000 χ^2/NDF : 58179695.7/66

- sign 0.000+/-0.000 χ^2/NDF : 28952071.0/33

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.002 ± 0.000 χ^2/NDF : 91677602.6/15

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041331104.7/18

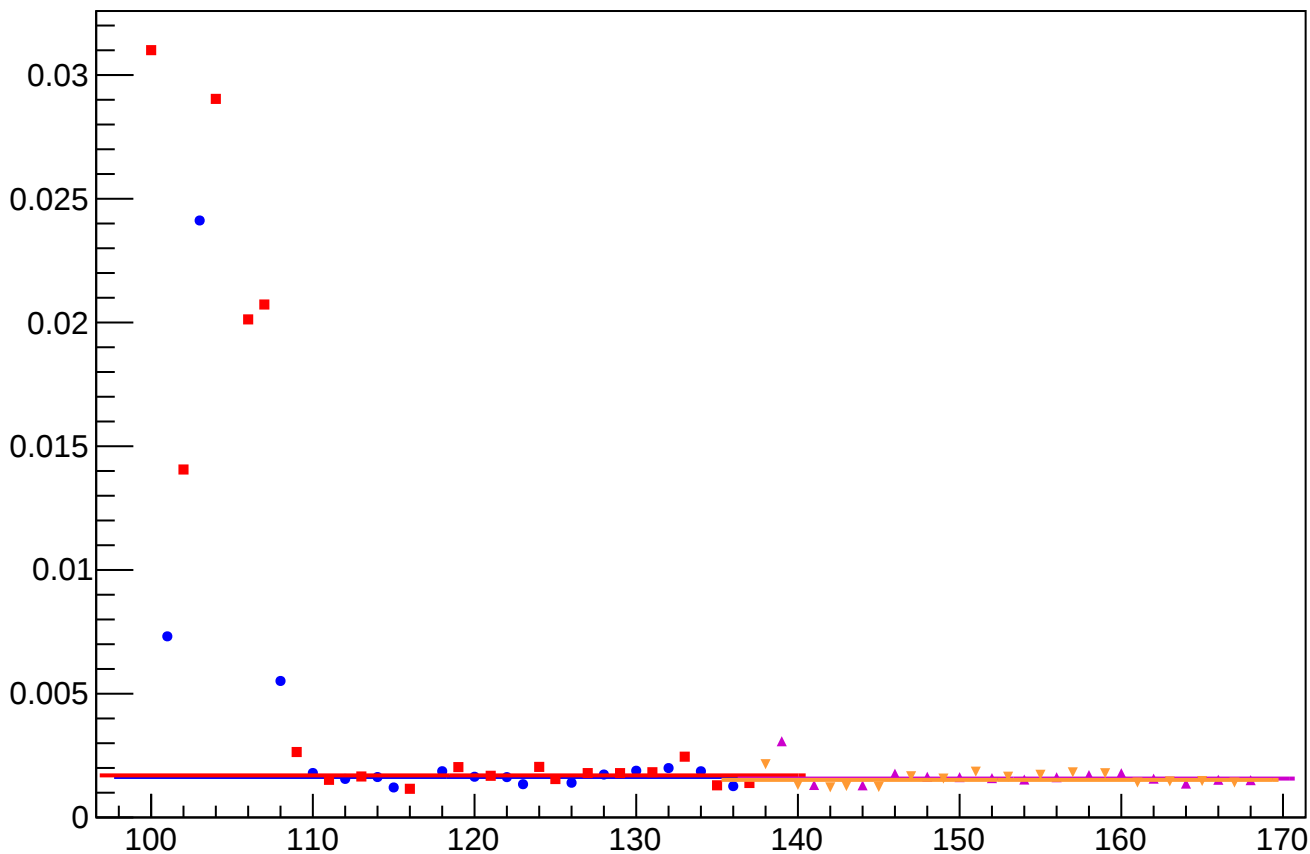
Left In: -0.001 ± 0.000 χ^2/NDF : 66520757.8/14

+ sign -0.002 ± 0.000 χ^2/NDF : 9887525043.7/32

All: -0.001 ± 0.000 χ^2/NDF : 13012494474.9/33

- sign 0.000 ± 0.000 χ^2/NDF : 3115110478.5/33

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:427952.3/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

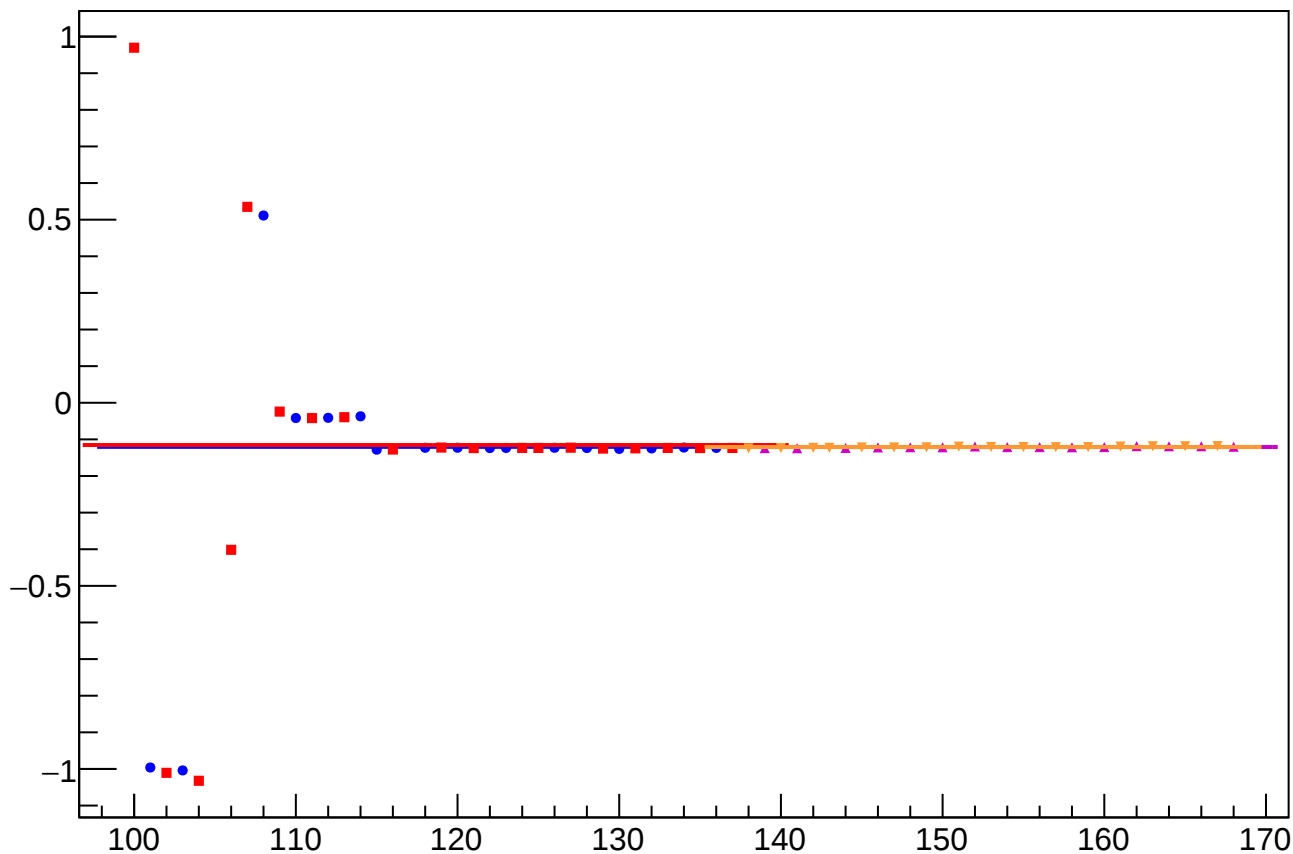
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:501283.8/14

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2380551.7/32

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5960633.4/66

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3562983.1/33

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.121+/-0.000 χ^2/NDF : 31344900.8/15

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

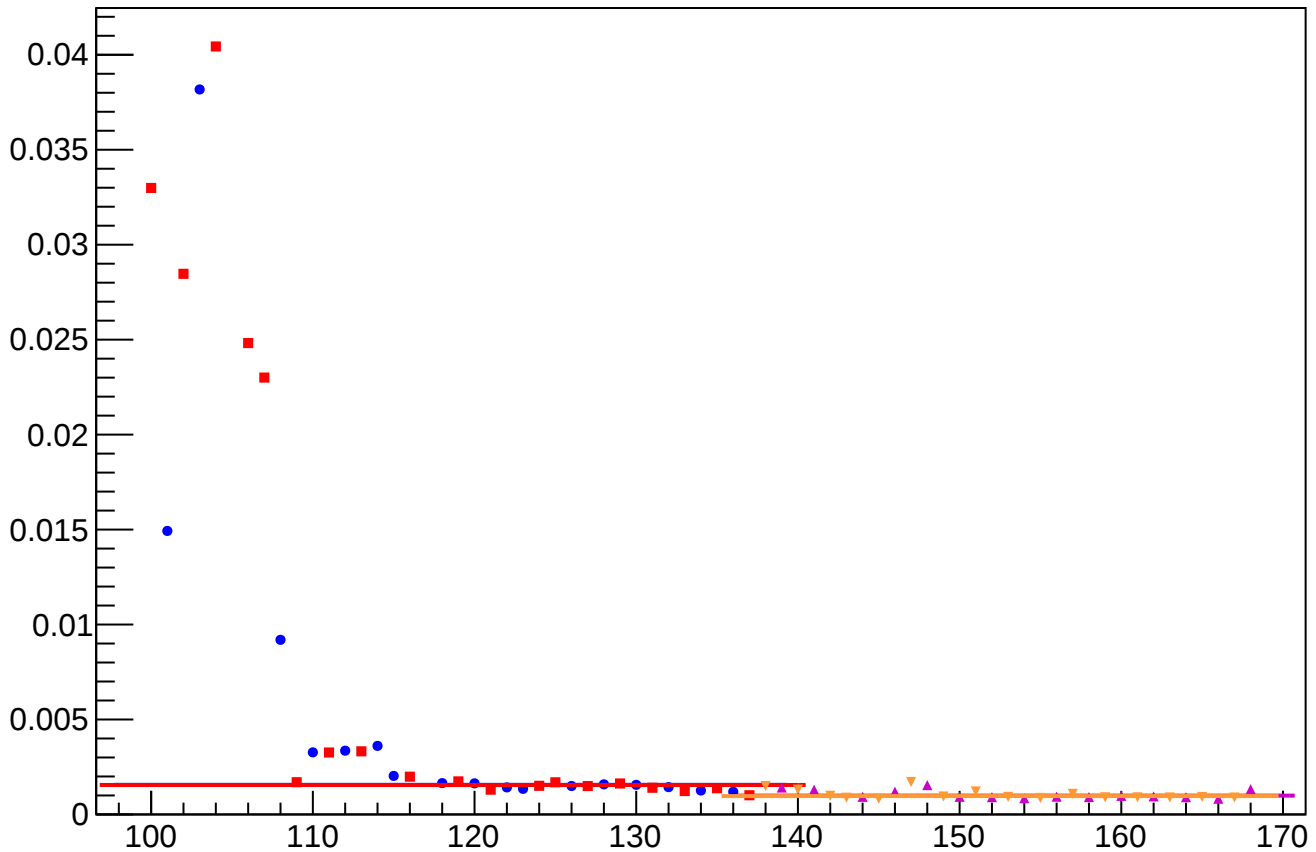
Left In: -0.121+/-0.000 χ^2/NDF : 27822299.2/14

+ sign -0.121+/-0.000 χ^2/NDF : 3964116479.7/32

All: -0.120+/-0.000 χ^2/NDF : 6500344118.8/6

- sign -0.120+/-0.000 χ^2/NDF : 2532459081.2/33

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2903607.4/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 727731.3/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

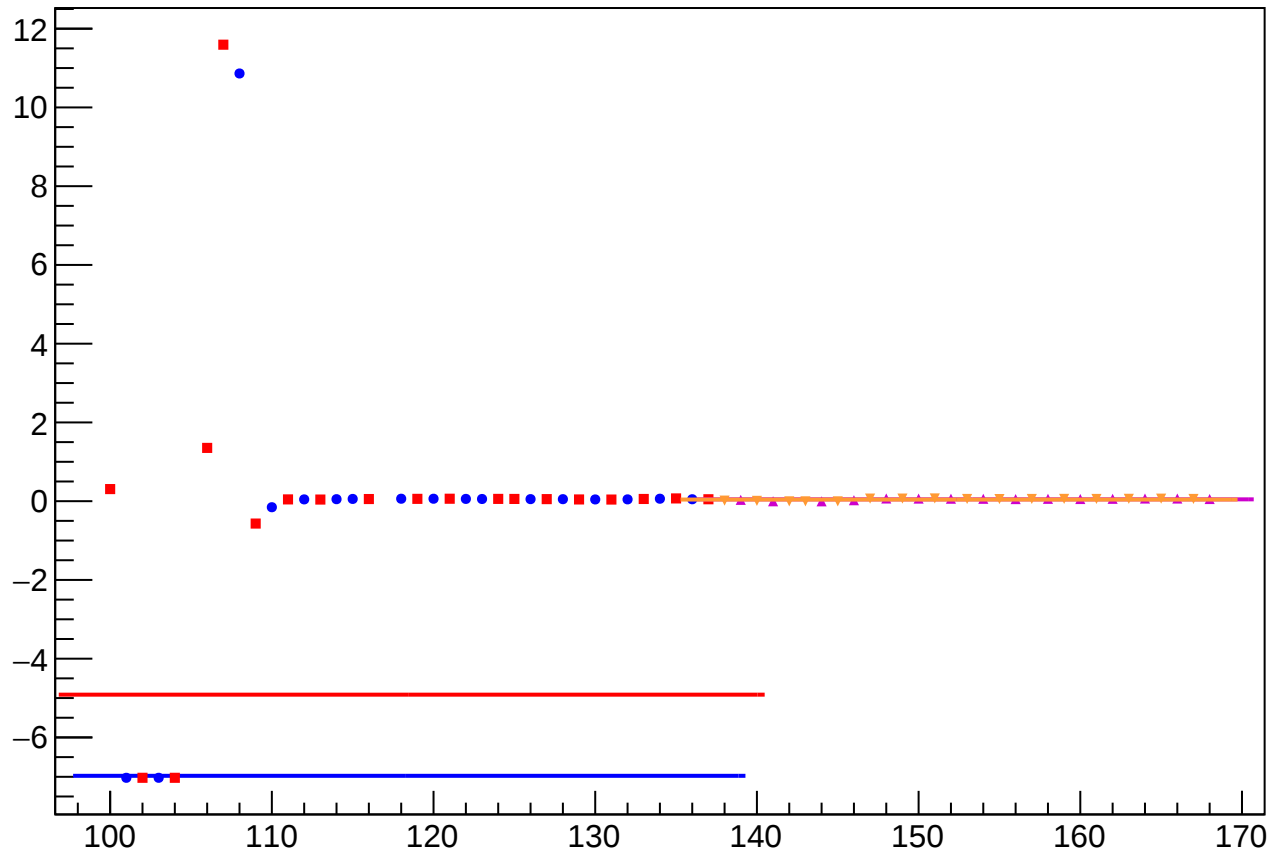
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 668226.2/14

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4771182.6/32

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10002020.5/66

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5223009.1/33

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.041+/-0.000 χ^2/NDF : 93661255.4/15

Right Out: -4.914+/-0.000 χ^2/NDF : 365362215369689.4/18

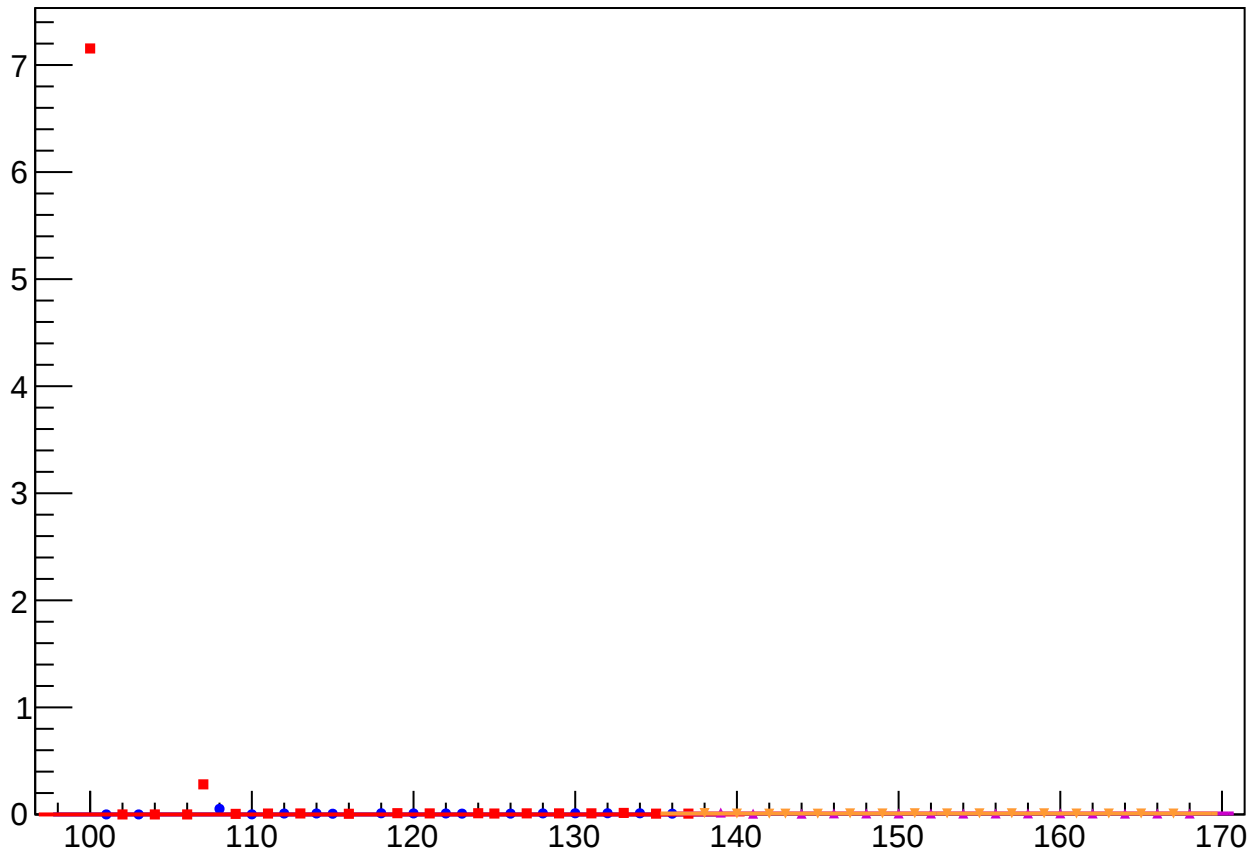
Left In: 0.046+/-0.000 χ^2/NDF : 74048055.1/14

+ sign -6.943+/-0.000 χ^2/NDF : 14525734021998.6/16

All: -5.874+/-0.000 χ^2/NDF : 4383029335170.4/16

- sign -4.894+/-0.000 χ^2/NDF : 368040275534769.0/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.009+/-0.000 χ^2/NDF : 420366.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

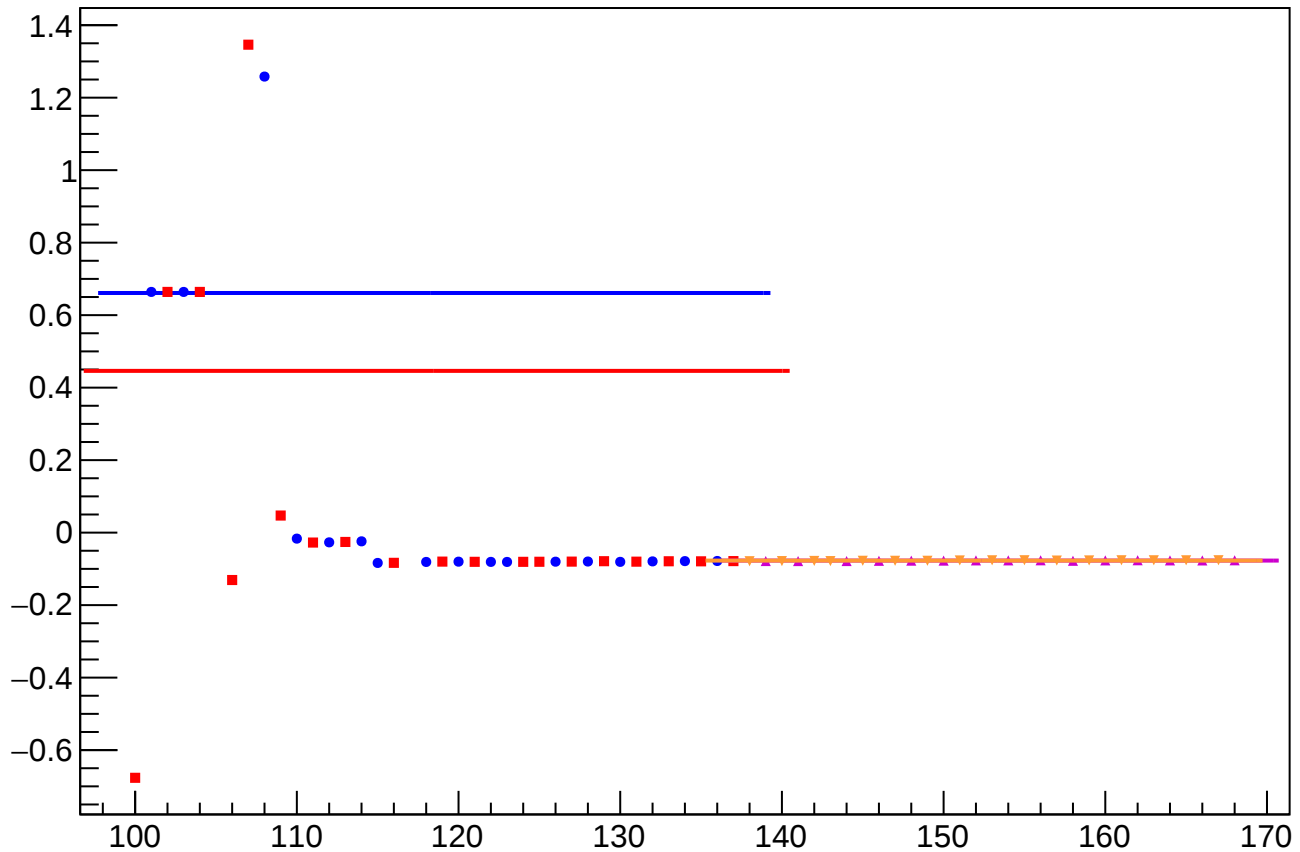
Left In: 0.009+/-0.000 χ^2/NDF : 495130.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 26768939.2/32

All: 0.000+/-0.000 χ^2/NDF : 54090361.1/66

- sign 0.000+/-0.000 χ^2/NDF : 27319680.9/33

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5678332616622.1/16

Left Out: -0.077 $\pm$ 0.000 χ^2 /NDF: 29940224.5/15

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405428604683882.5/18

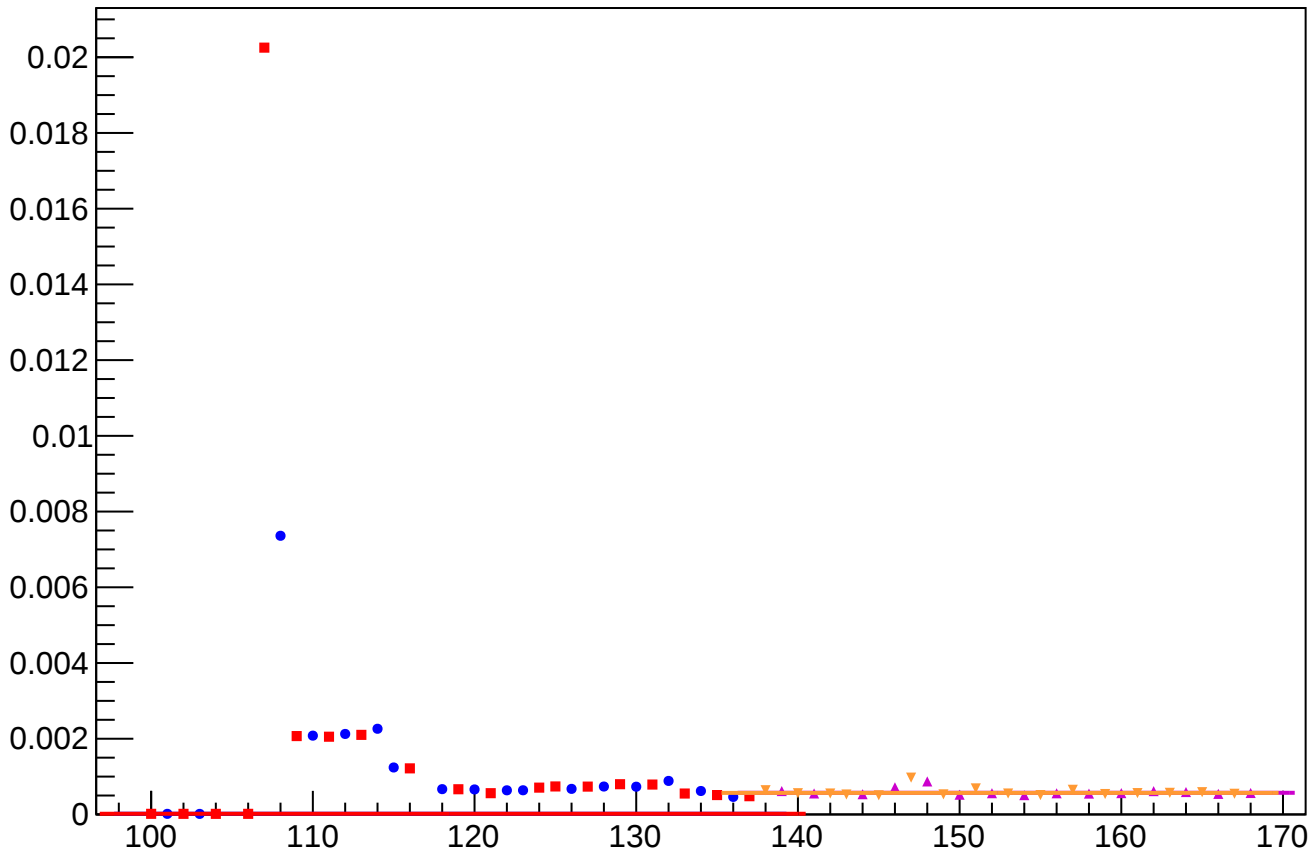
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 21530584.7/14

+ sign 0.651 $\pm$ 0.000 χ^2 /NDF: 24251961565956.6/3

All: 0.541 $\pm$ 0.000 χ^2 /NDF: 50048909130770

- sign 0.440 $\pm$ 0.000 χ^2 /NDF: 414600762579956.5/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9997012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 410955.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

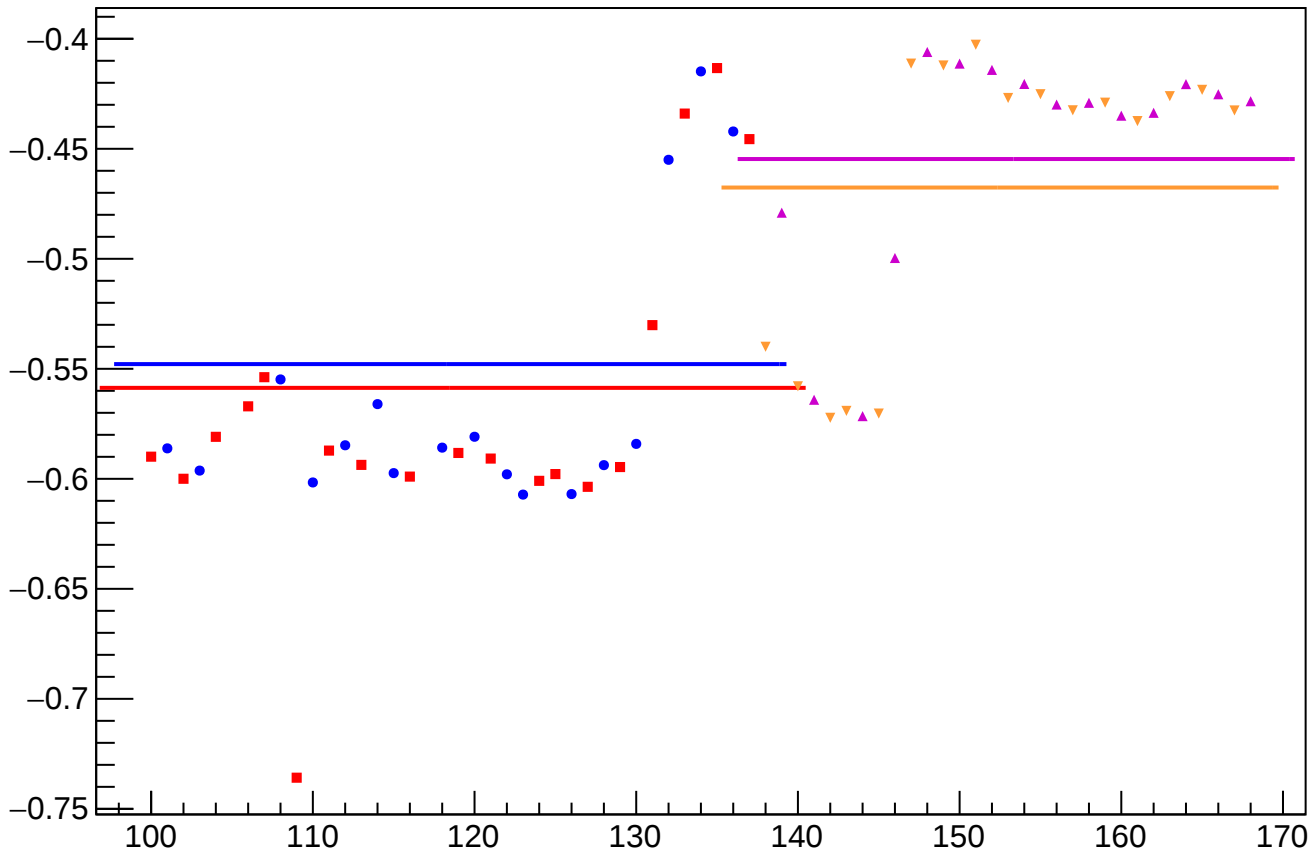
Left In: 0.001+/-0.000 χ^2/NDF : 315673.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 31121140.2/32

All: 0.000+/-0.000 χ^2/NDF : 61481590.1/66

- sign 0.000+/-0.000 χ^2/NDF : 30358738.4/33

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.468+/-0.000 χ^2/NDF : 101955568.9/15

Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

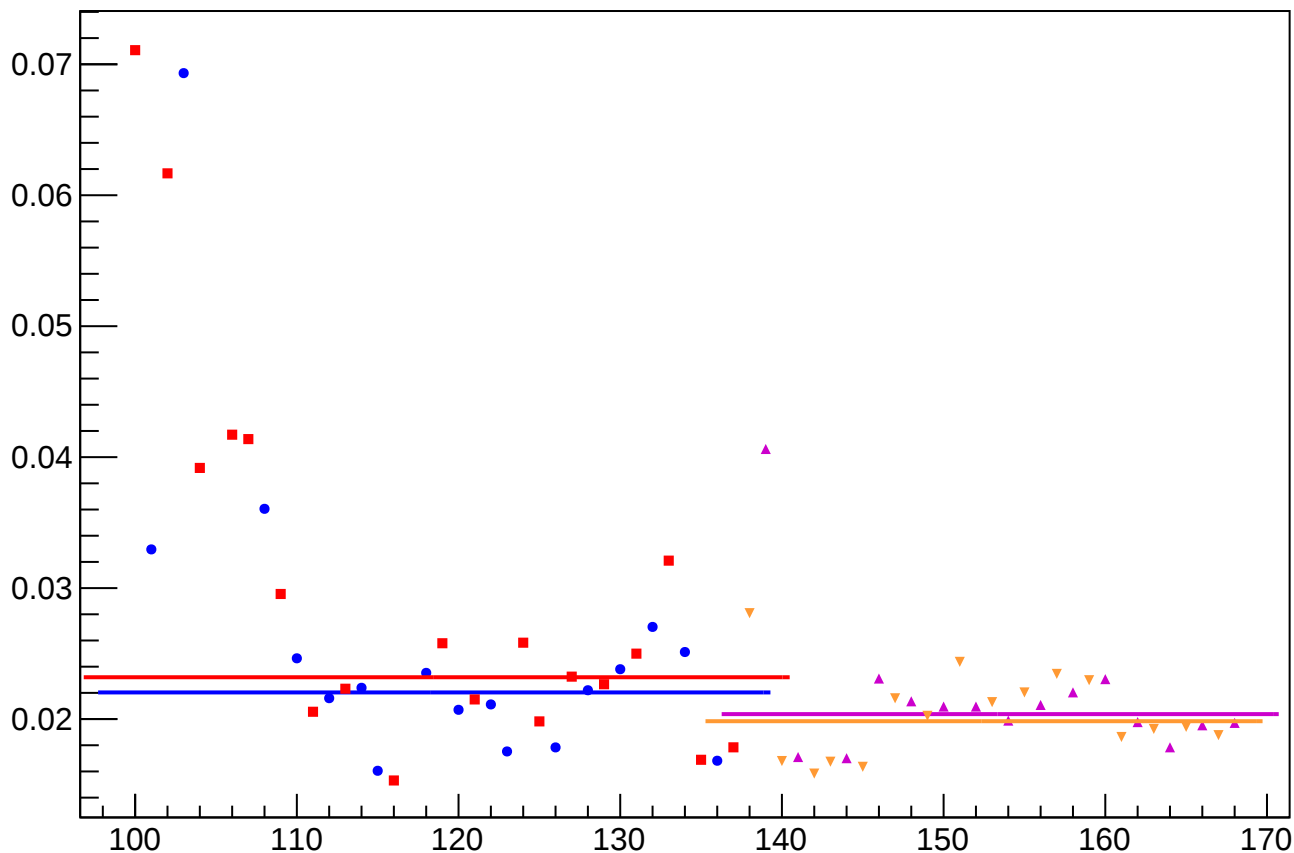
Left In: -0.455+/-0.000 χ^2/NDF : 73926925.4/14

+ sign -0.492+/-0.000 χ^2/NDF : 197532880.7/32

All: -0.489+/-0.000 χ^2/NDF : 412199706.9/66

- sign -0.486+/-0.000 χ^2/NDF : 214112815.4/33

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 958966.6/16

Left Out: 0.020 ± 0.000 χ^2/NDF : 397495.1/15

Right Out: 0.023 ± 0.000 χ^2/NDF : 1156989.7/18

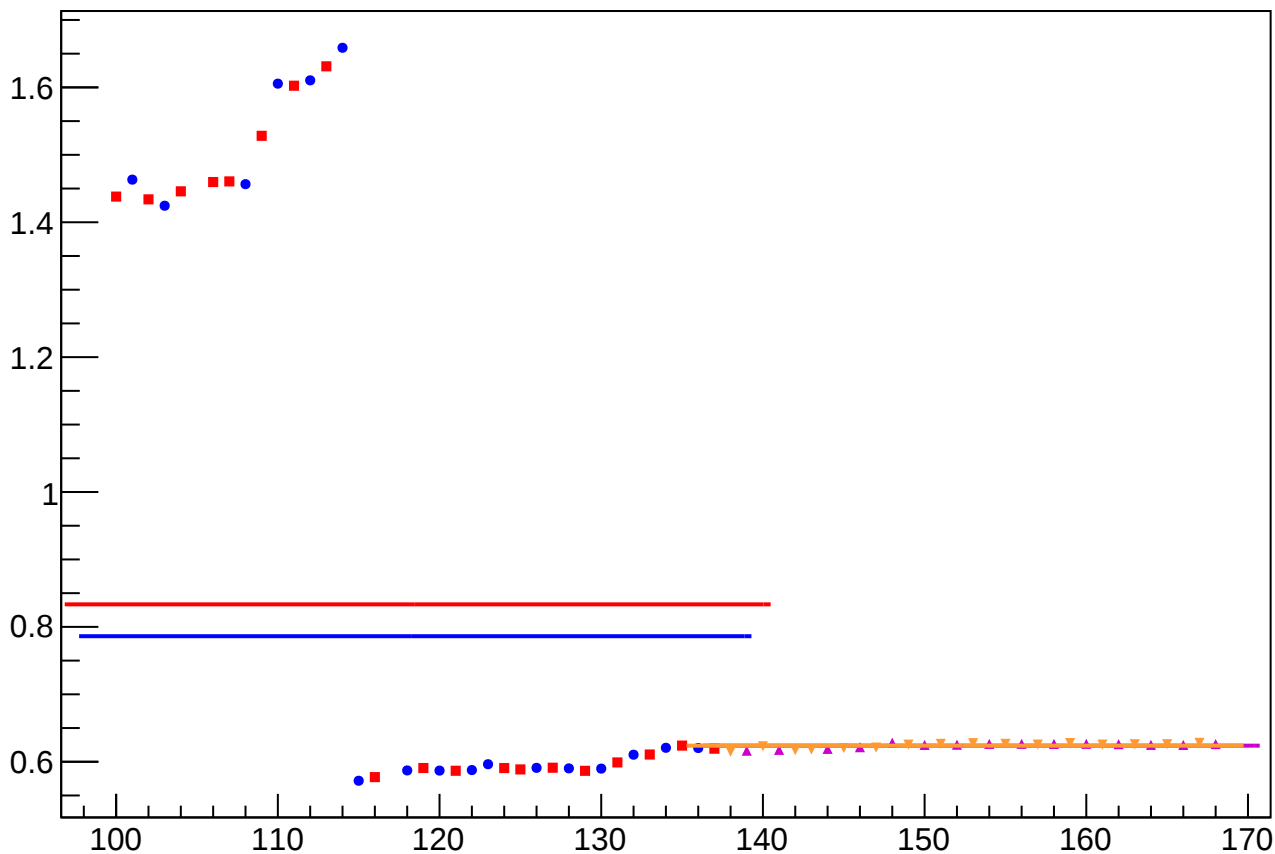
Left In: 0.020 ± 0.000 χ^2/NDF : 502653.0/14

+ sign 0.021 ± 0.000 χ^2/NDF : 1426899.3/32

All: 0.021 ± 0.000 χ^2/NDF : 3213452.1/66

- sign 0.021 ± 0.000 χ^2/NDF : 1768839.8/33

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.624 $\pm$ 0.000 χ^2 /NDF:1140386.5/15

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4156812252.4/18

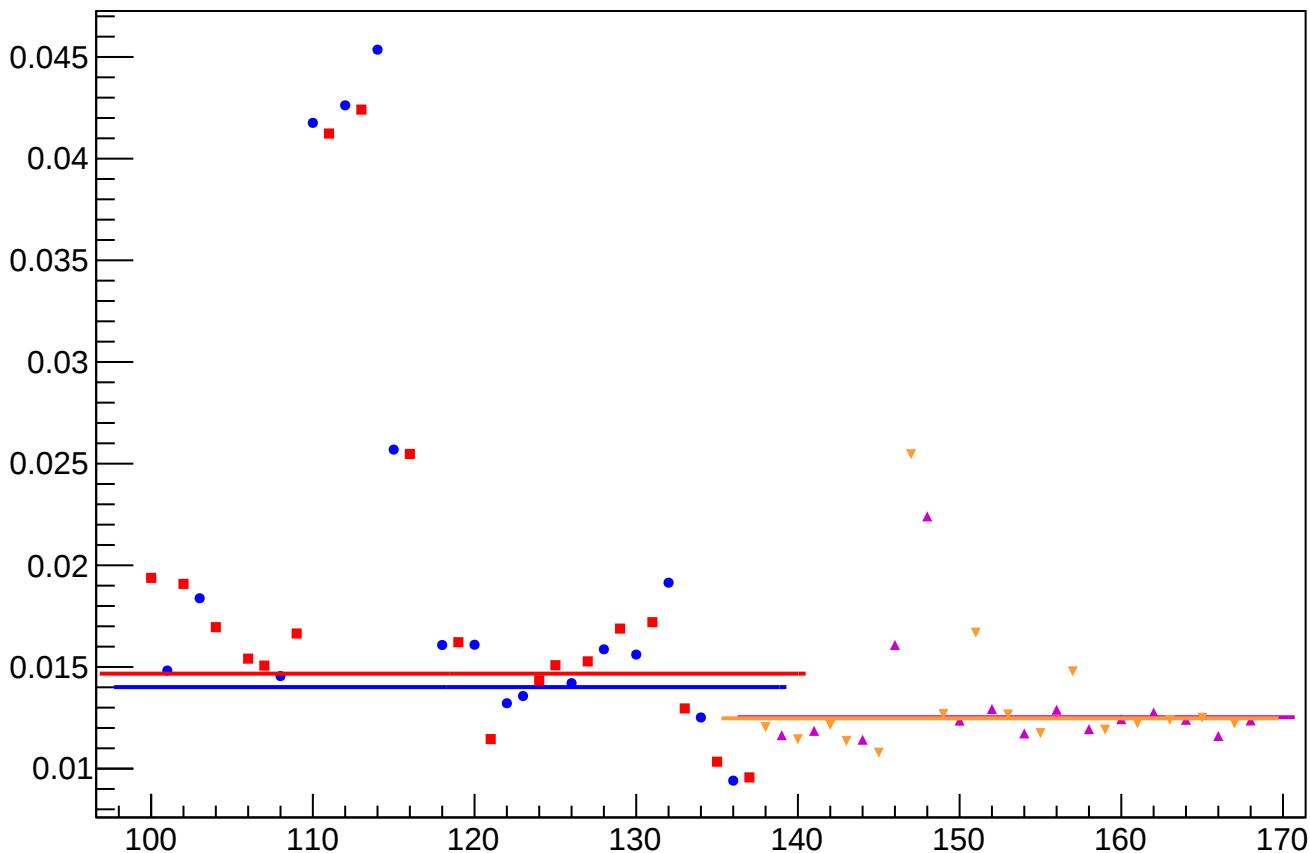
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:918028.2/14

+ sign 0.670 $\pm$ 0.000 χ^2 /NDF: 4135016559.0/32

All: 0.677 $\pm$ 0.000 χ^2 /NDF: 9181015102.8/60

- sign 0.683 $\pm$ 0.000 χ^2 /NDF: 5038009059.7/33

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1404865.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF :589161.7/15

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1263462.0/18

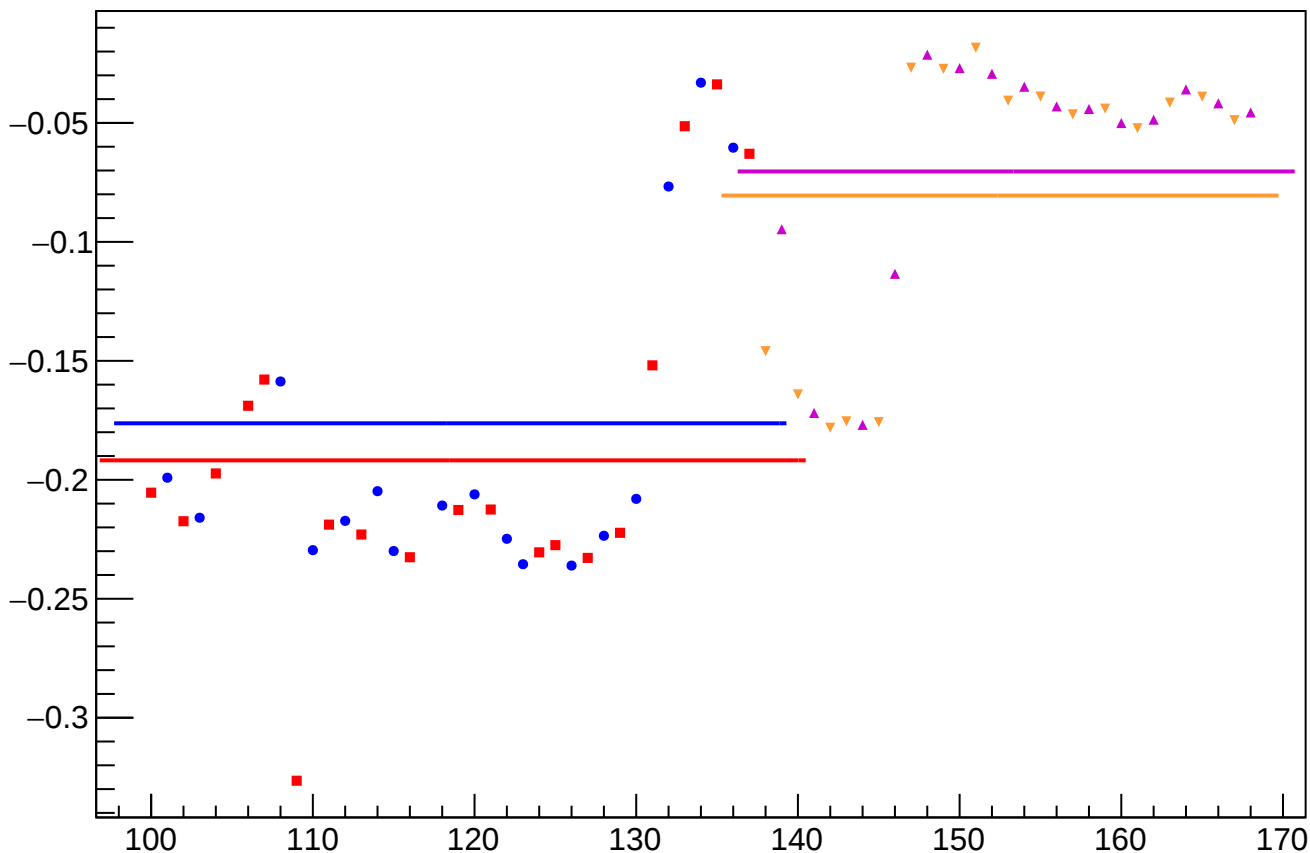
Left In: 0.013 $\pm$ 0.000 χ^2/NDF :417293.6/14

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2091267.3/32

All: 0.013 $\pm$ 0.000 χ^2/NDF : 3961046.0/66

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 1865021.7/33

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.081+/-0.000 χ^2/NDF : 97278178.8/15

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

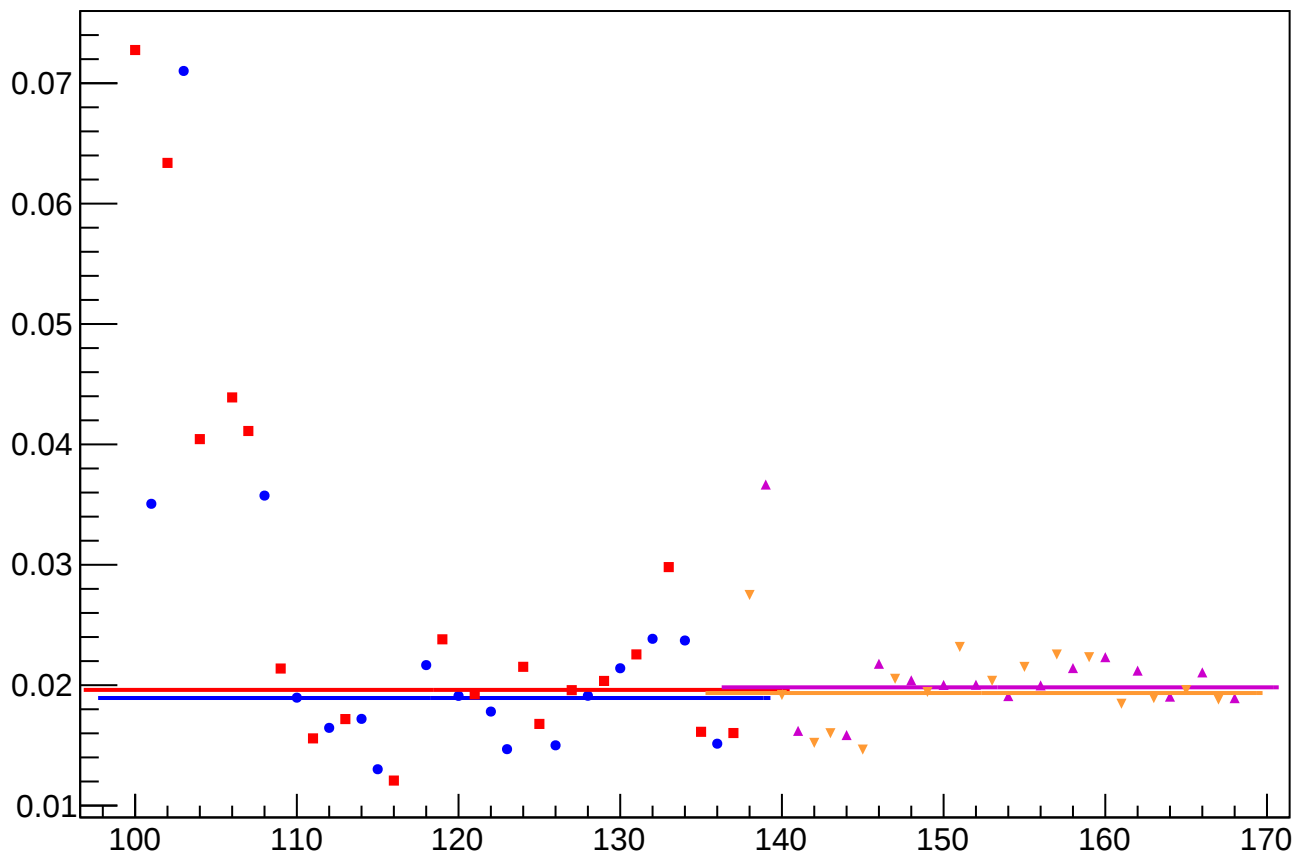
Left In: -0.070+/-0.000 χ^2/NDF : 74205612.2/14

+ sign -0.114+/-0.000 χ^2/NDF : 249998689.3/32

All: -0.114+/-0.000 χ^2/NDF : 535623762.9/66

- sign -0.114+/-0.000 χ^2/NDF : 285620954.7/33

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 418156.2/15

Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

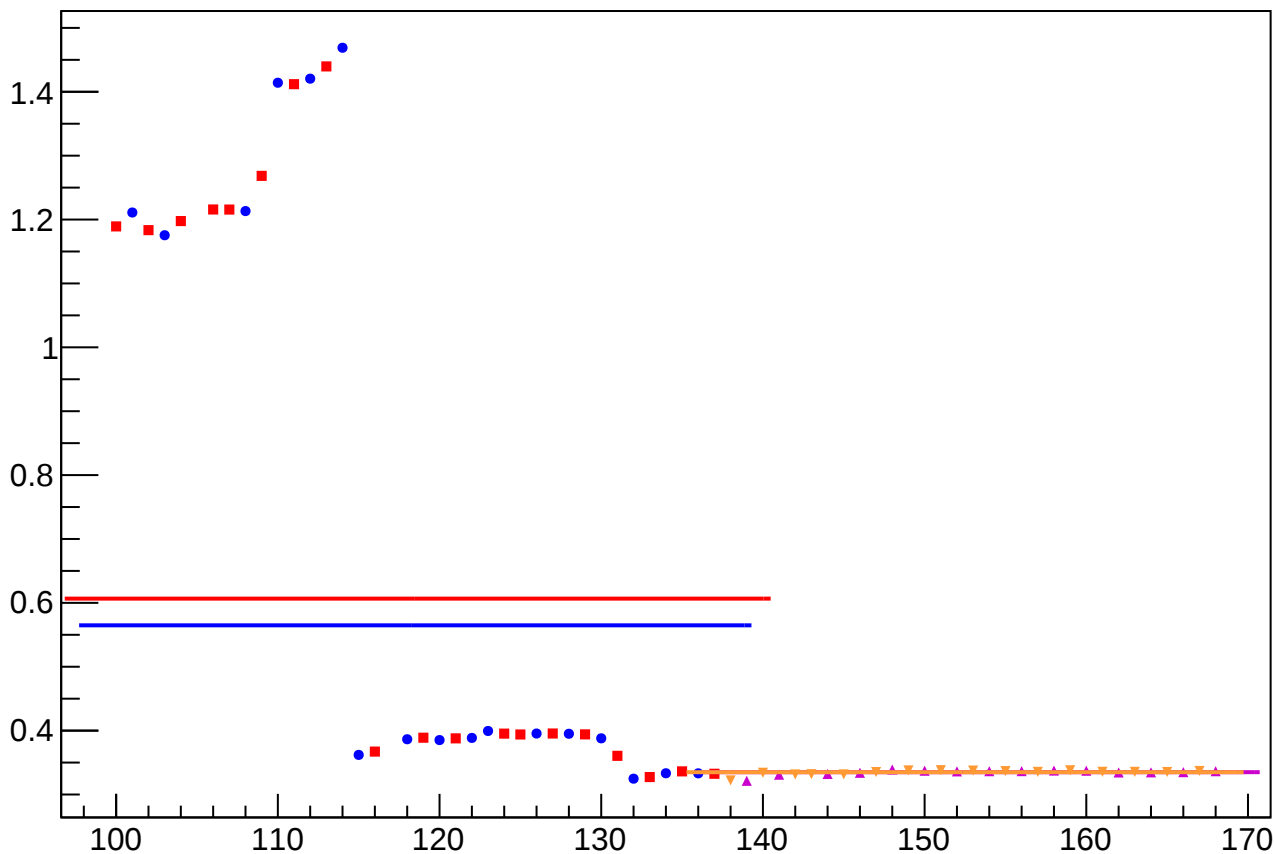
Left In: 0.020+/-0.000 χ^2/NDF : 475726.0/14

+ sign 0.019+/-0.000 χ^2/NDF : 1627091.6/32

All: 0.019+/-0.000 χ^2/NDF : 3572643.4/66

- sign 0.020+/-0.000 χ^2/NDF : 1934172.3/33

yield_bpm4eY_mean vs Slug



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1093996.9/15

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5513752213.8/18

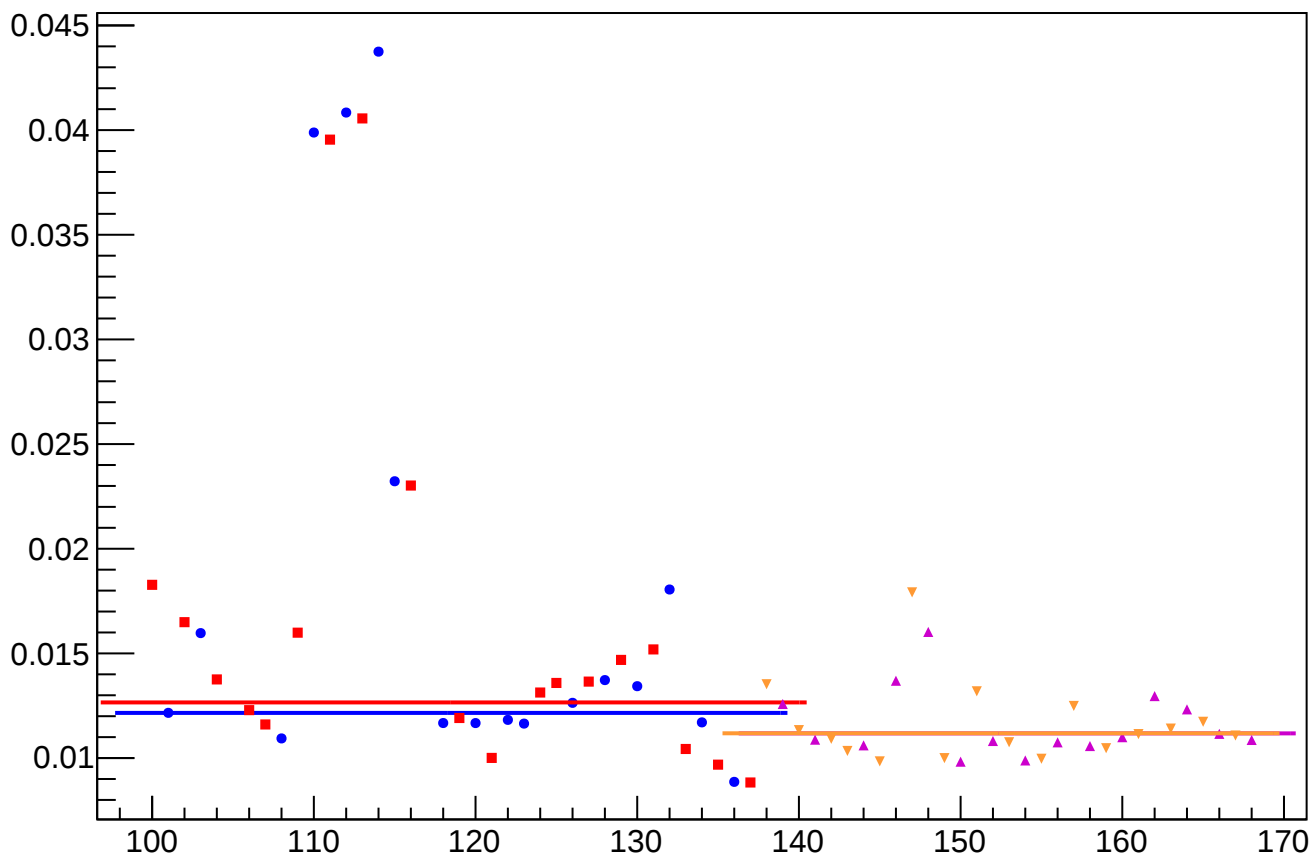
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1171085.0/14

+ sign 0.404 $\pm$ 0.000 χ^2 /NDF: 6451260311.3/32

All: 0.409 $\pm$ 0.000 χ^2 /NDF: 13892146102.4/6

- sign 0.415 $\pm$ 0.000 χ^2 /NDF: 7433498846.9/33

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:398268.3/15

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

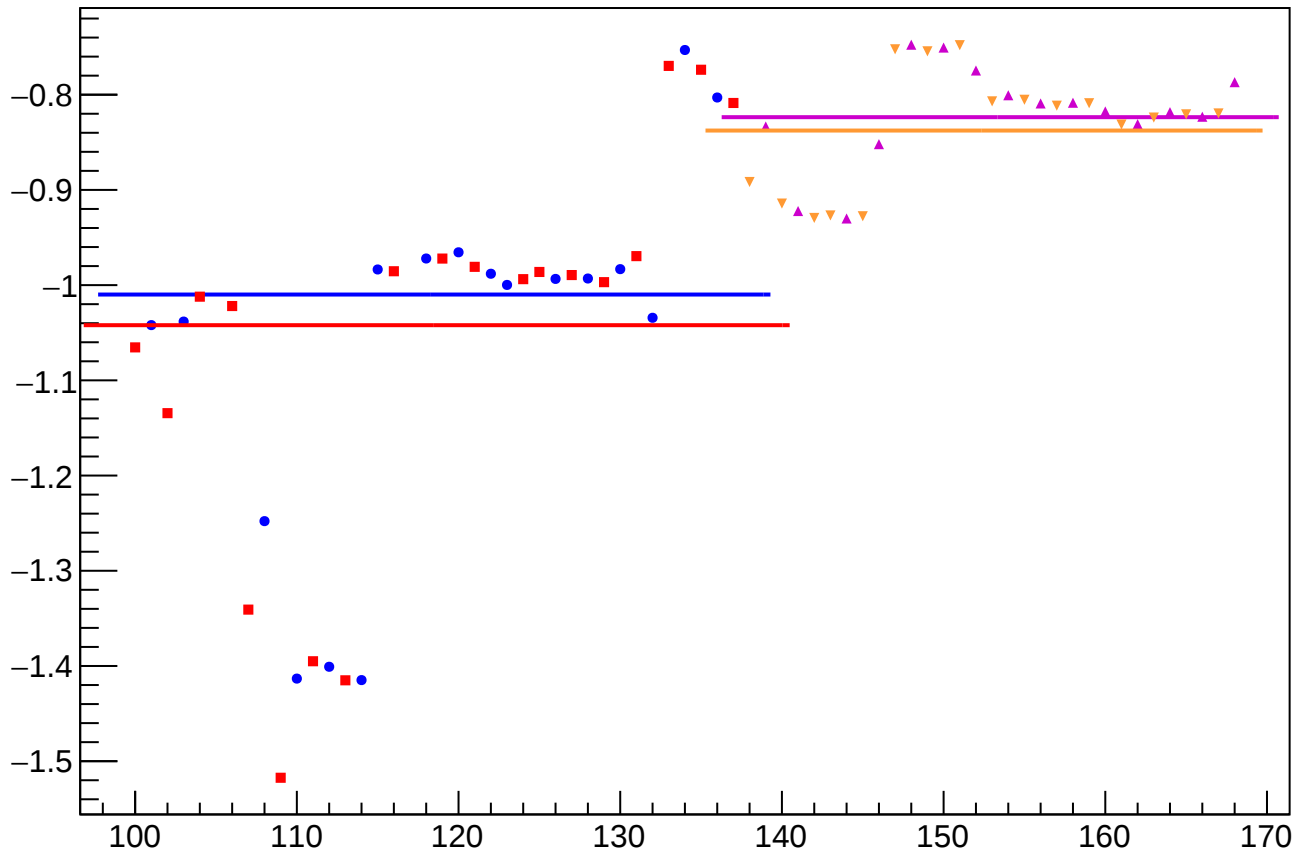
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:322729.5/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1759116.2/32

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3468626.5/66

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1707106.2/33

yield_bpm4acX_mean vs Slug



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.838+/-0.000 χ^2/NDF : 93388268.8/15

Right Out: -1.042+/-0.000 χ^2/NDF : 530106141.8/18

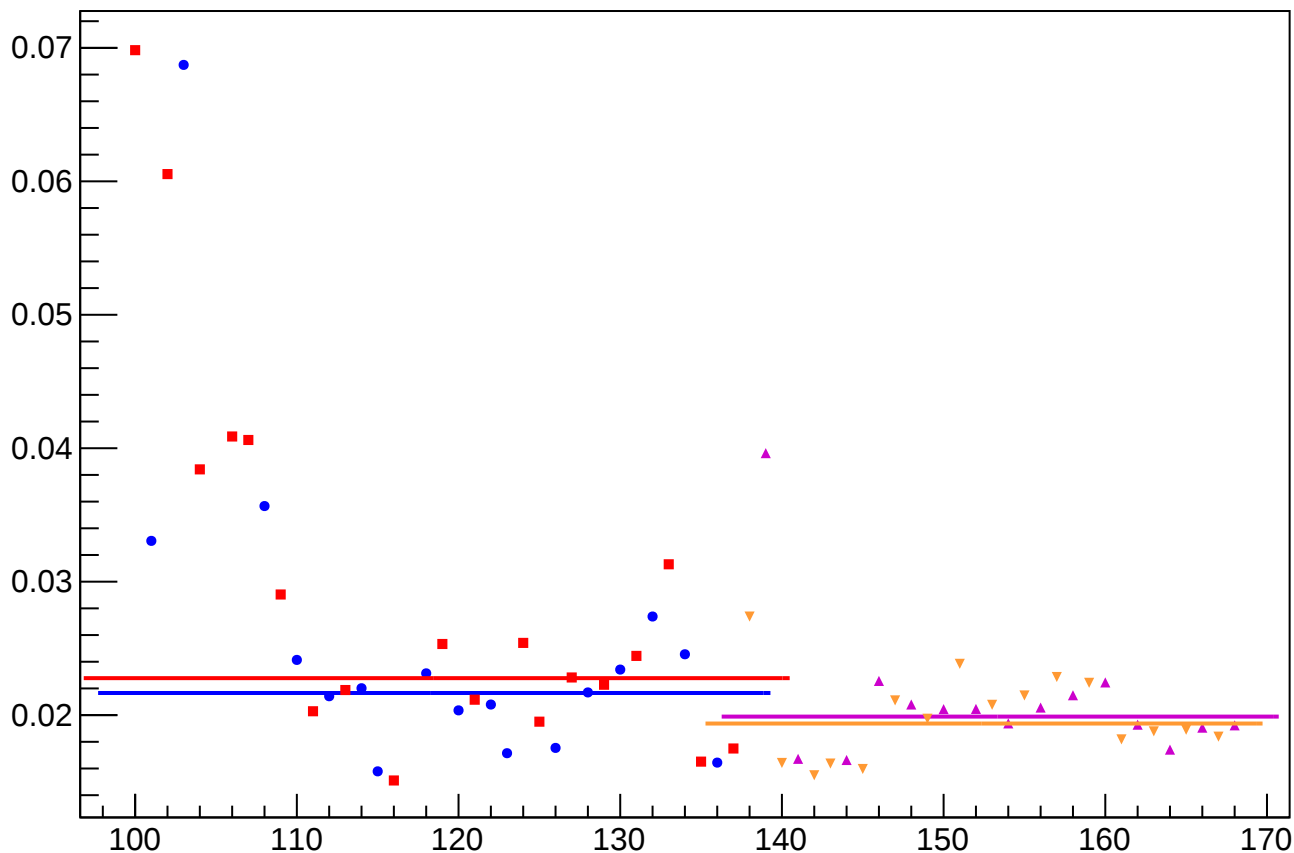
Left In: -0.824+/-0.000 χ^2/NDF : 73014457.3/14

+ sign -0.890+/-0.000 χ^2/NDF : 705730015.5/32

All: -0.890+/-0.000 χ^2/NDF : 1650627648.4/6

- sign -0.890+/-0.000 χ^2/NDF : 944897220.9/33

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 983499.8/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 395144.9/15

Right Out: 0.023 ± 0.000 χ^2/NDF : 1152617.8/18

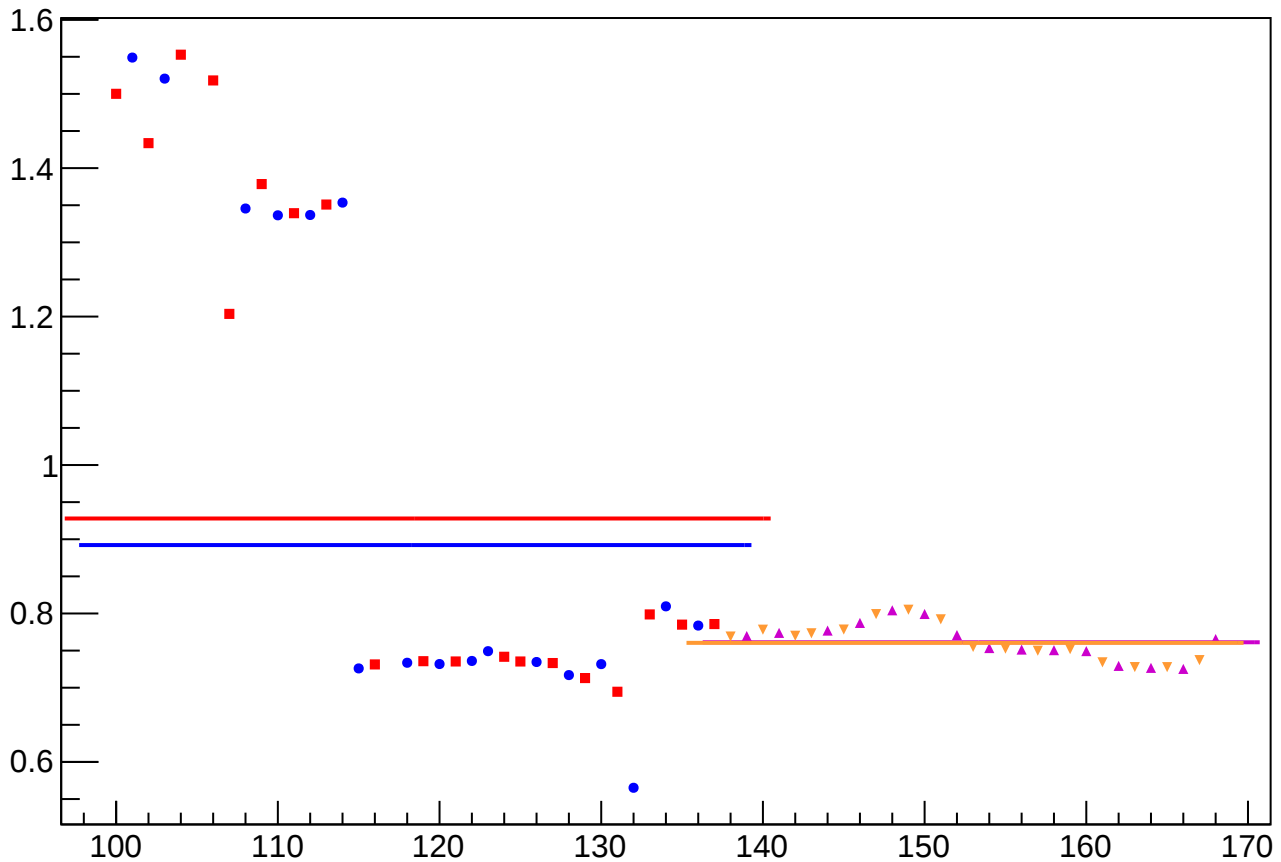
Left In: 0.020 ± 0.000 χ^2/NDF : 499594.4/14

+ sign 0.020 ± 0.000 χ^2/NDF : 1458009.5/32

All: 0.020 ± 0.000 χ^2/NDF : 3246092.3/66

- sign 0.021 ± 0.000 χ^2/NDF : 1771094.2/33

yield_bpm4acY_mean vs Slug



Right In: 0.892 $\pm$ 0.000 χ^2 /NDF: 2413732173.6/16

Left Out: 0.760 $\pm$ 0.000 χ^2 /NDF:36027456.5/15

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

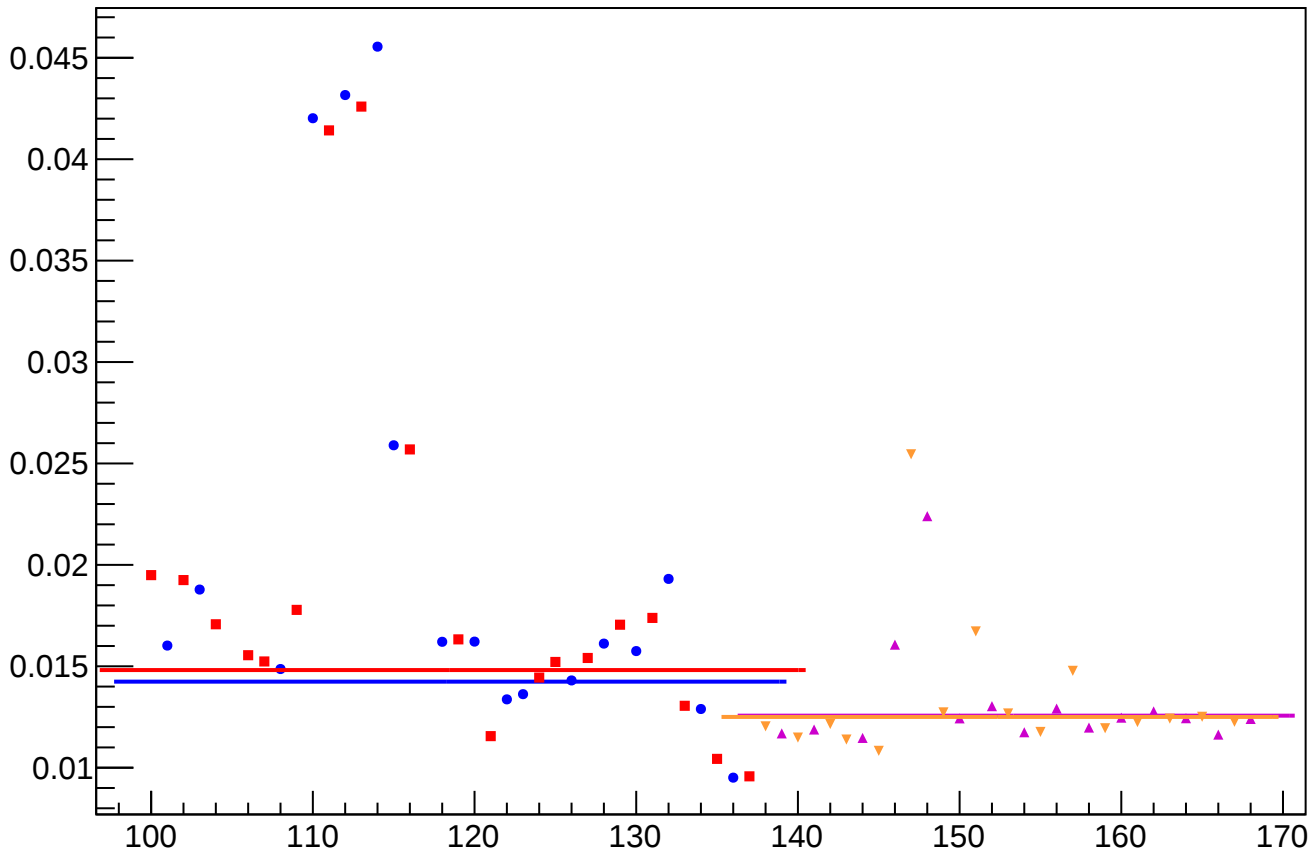
Left In: 0.761 $\pm$ 0.000 χ^2 /NDF:32556872.0/14

+ sign 0.797 $\pm$ 0.000 χ^2 /NDF: 2797828658.1/32

All: 0.802 $\pm$ 0.000 χ^2 /NDF: 5820600307.9/60

- sign 0.808 $\pm$ 0.000 χ^2 /NDF: 3017399471.1/33

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1415681.3/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:584499.5/15

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1274172.7/18

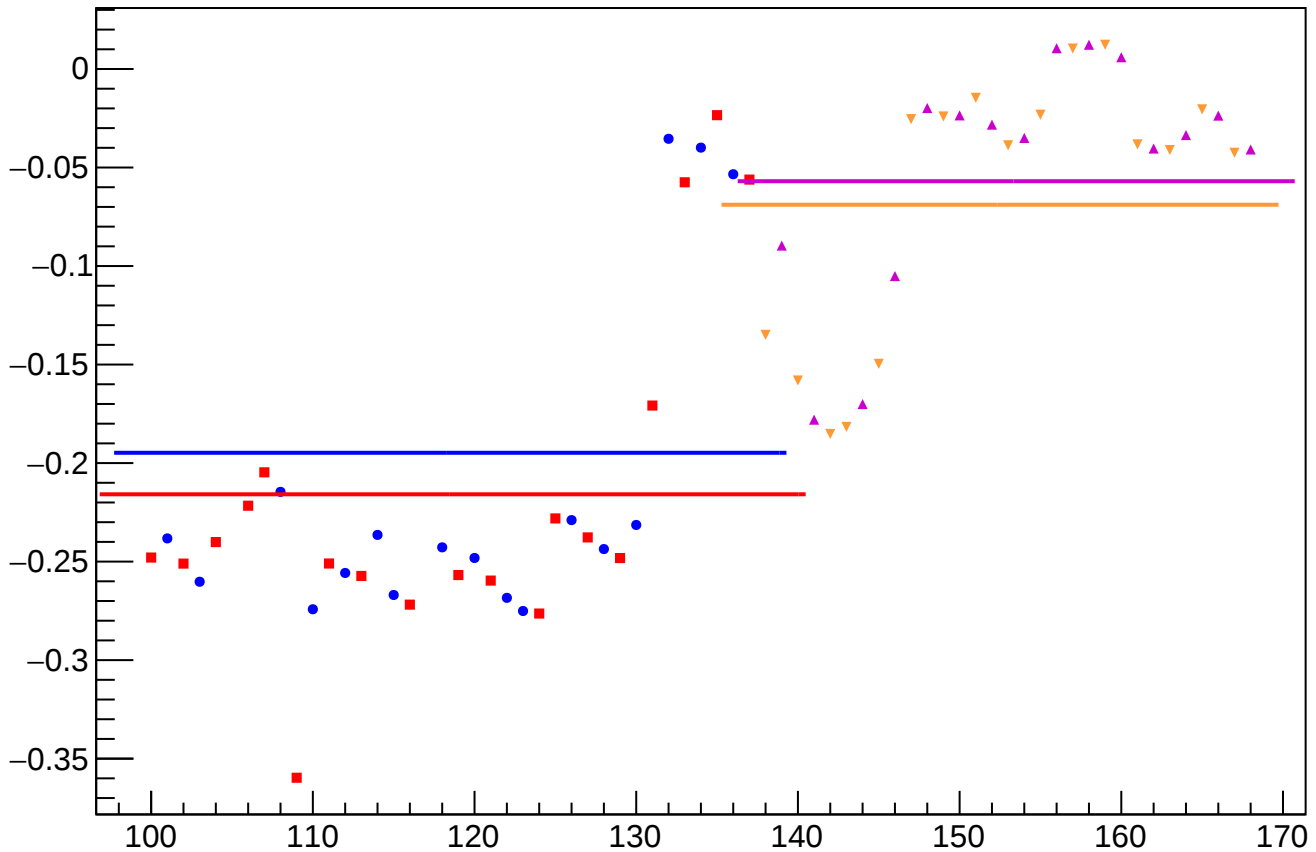
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:413225.7/14

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2121577.7/32

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4012016.1/66

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1886373.3/33

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.069+/-0.000 χ^2/NDF : 114396656.5/15

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

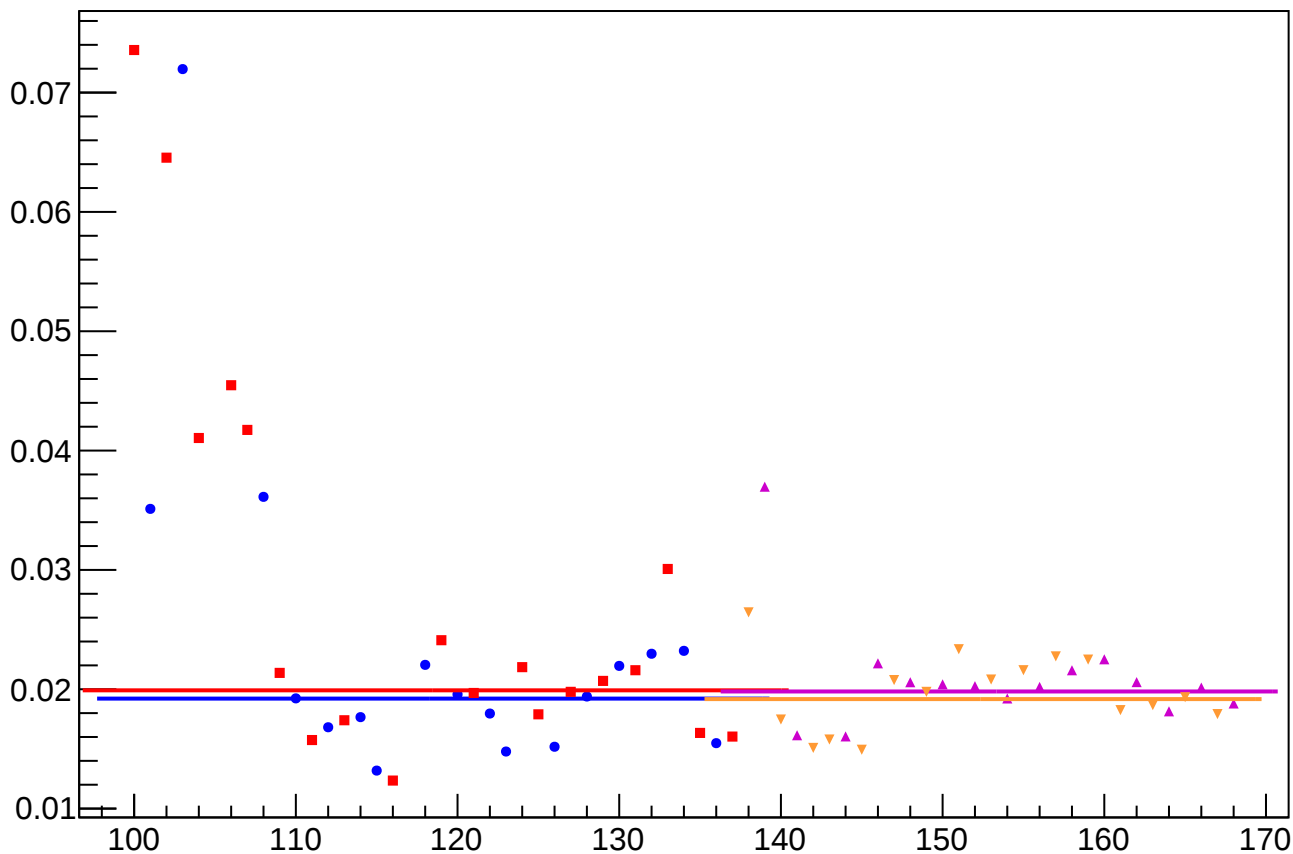
Left In: -0.057+/-0.000 χ^2/NDF : 97226530.5/14

+ sign -0.112+/-0.000 χ^2/NDF : 363834112.3/32

All: -0.113+/-0.000 χ^2/NDF : 786690064.5/66

- sign -0.113+/-0.000 χ^2/NDF : 422848474.4/33

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1177085.4/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 426761.6/15

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1446950.0/18

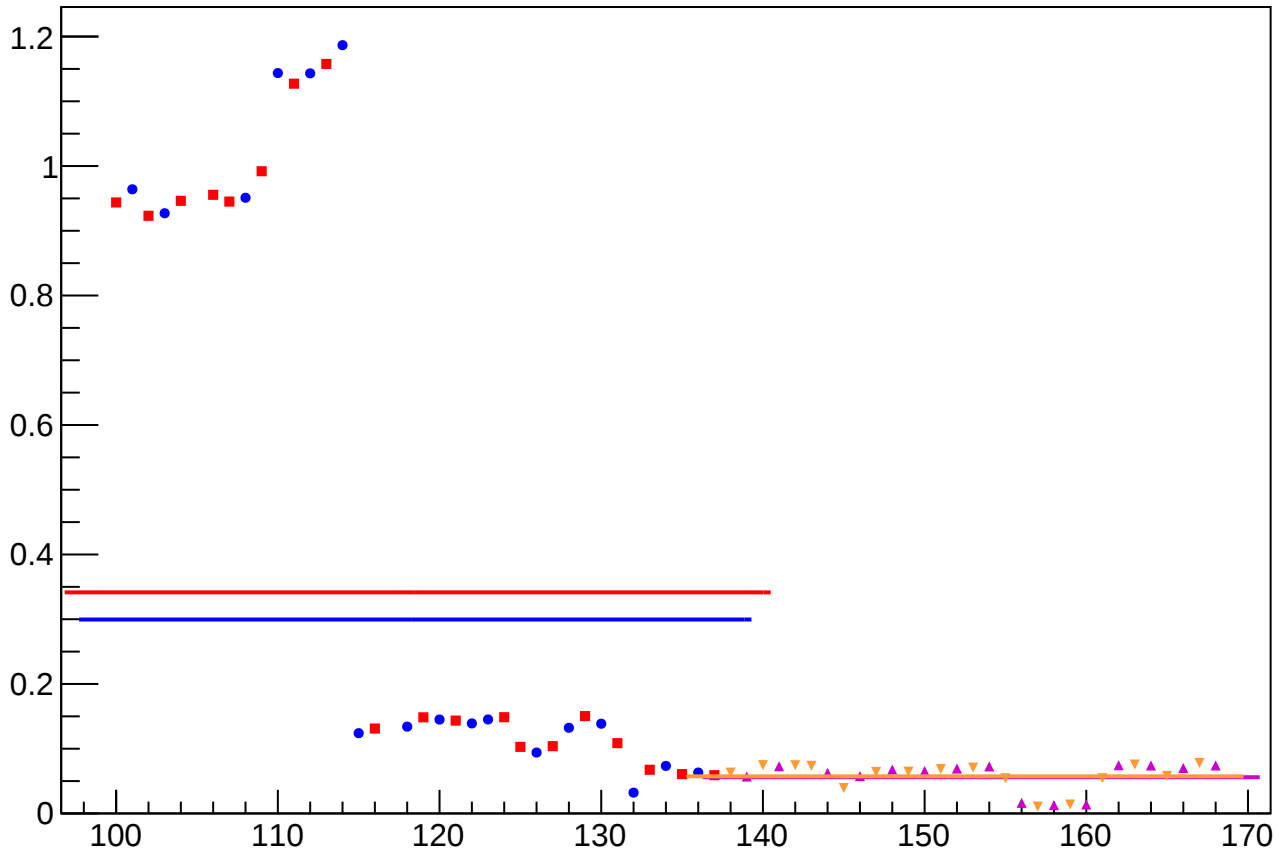
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 484780.1/14

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1603877.2/32

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3552279.1/66

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1931884.1/33

yield_bpm4ecY_mean vs Slug



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.057 $\pm$ 0.000 χ^2 /NDF: 40217287.2/15

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5450600455.1/18

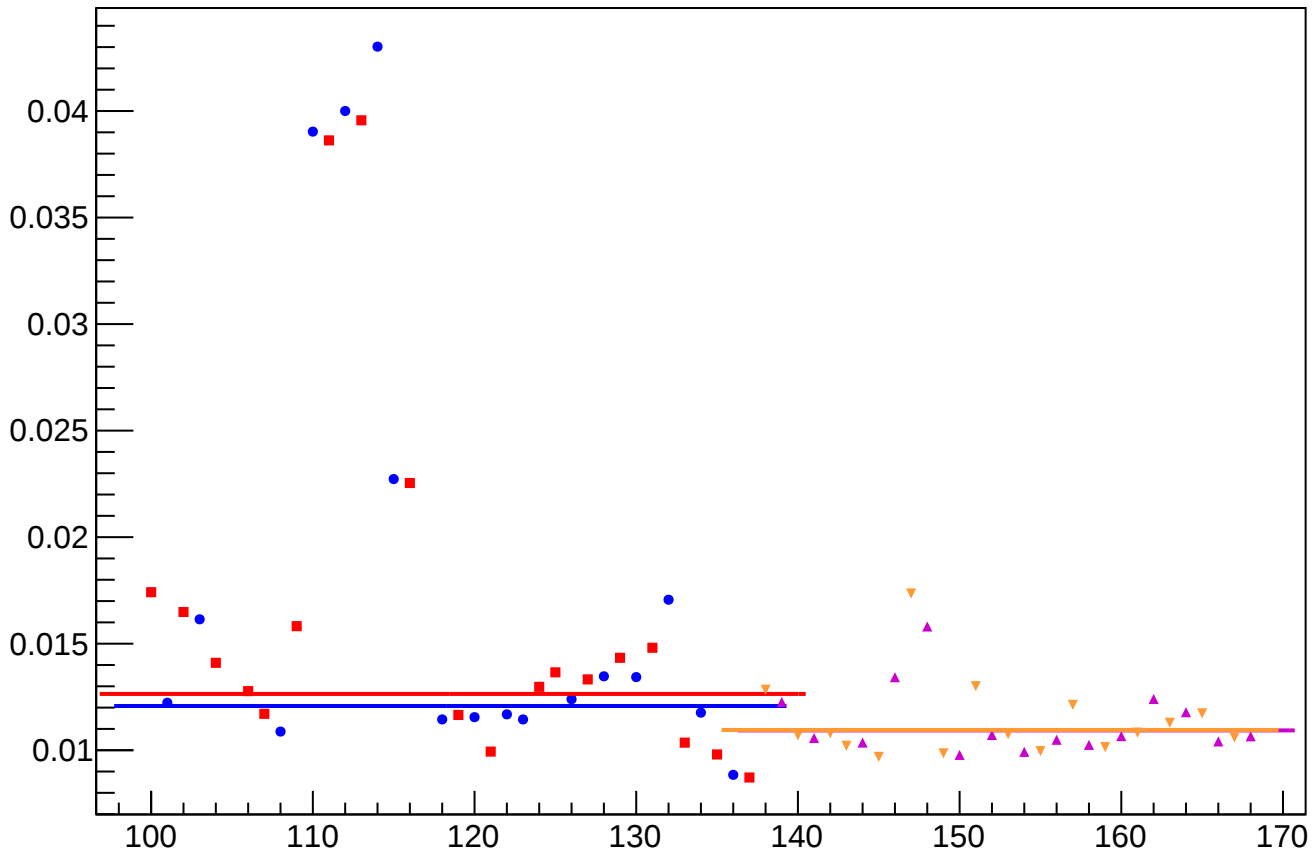
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF: 50951451.6/14

+ sign 0.128 $\pm$ 0.000 χ^2 /NDF: 6817750718.4/32

All: 0.133 $\pm$ 0.000 χ^2 /NDF: 14474889500.6/6

- sign 0.137 $\pm$ 0.000 χ^2 /NDF: 7652004956.7/33

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1282097.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 371324.9/15

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

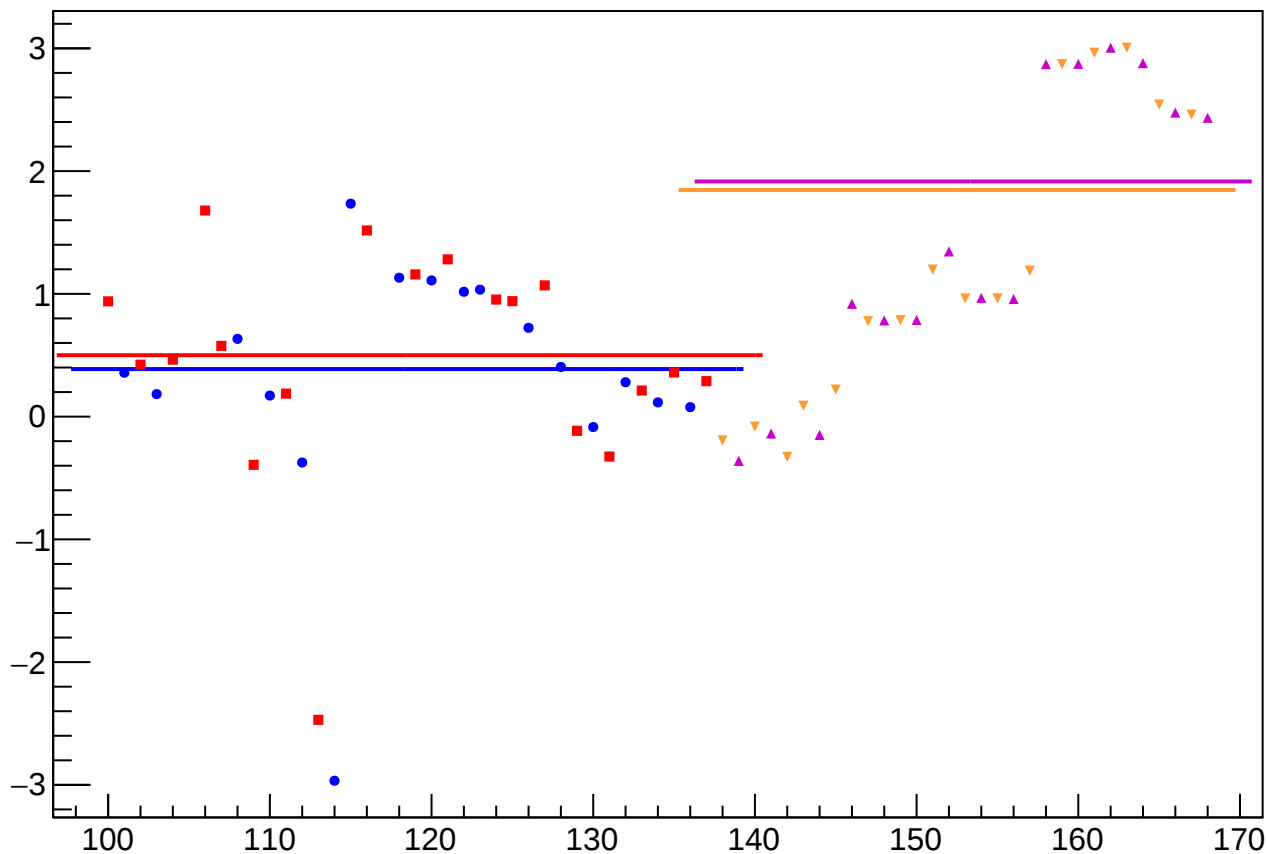
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 302744.9/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1722914.0/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3420450.8/66

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1695121.1/33

yield_bpm1X_mean vs Slug



Right In: 0.387 ± 0.000 χ^2/NDF : 247912593.5/16

Left Out: 1.846 ± 0.000 χ^2/NDF : 26000003887.6/15

Right Out: 0.500 ± 0.000 χ^2/NDF : 983360928.1/18

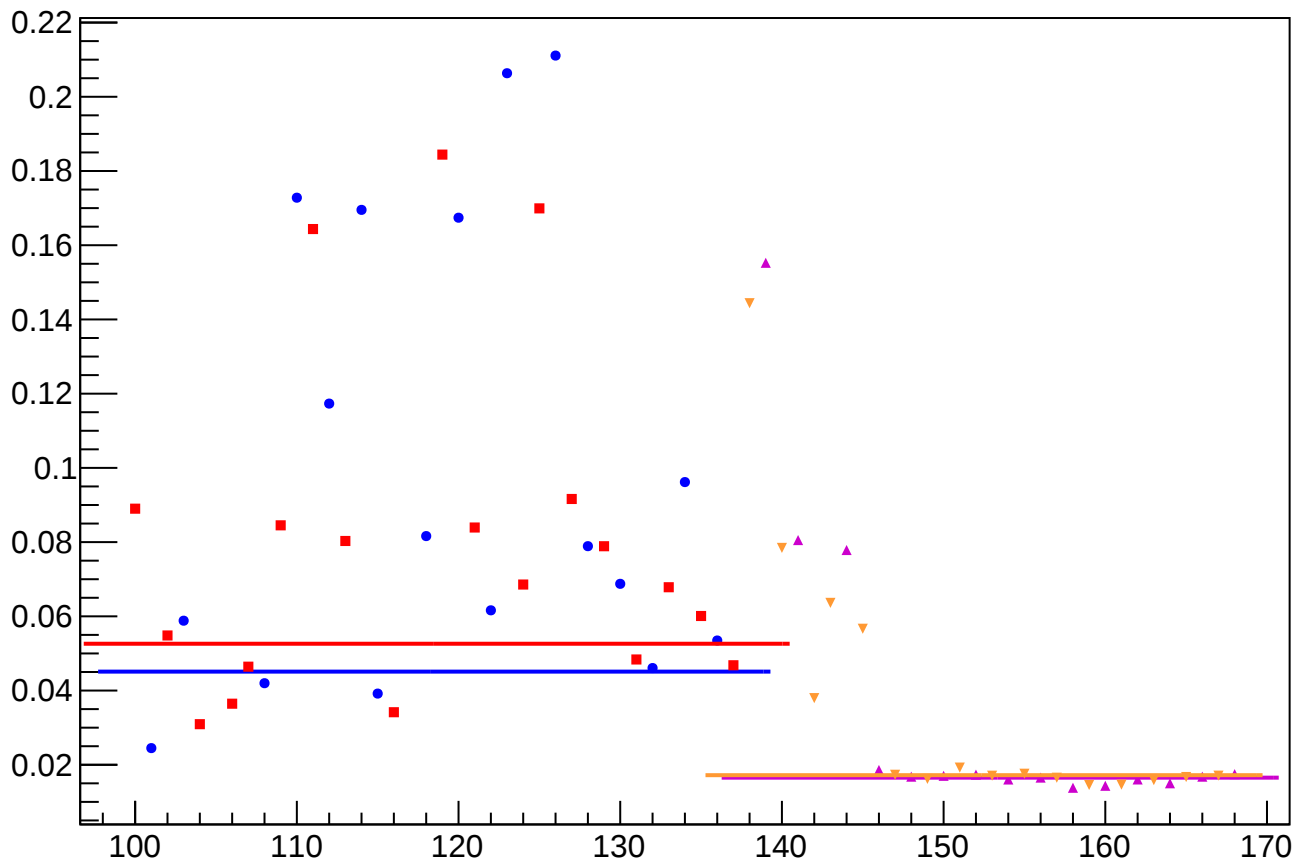
Left In: 1.916 ± 0.000 χ^2/NDF : 27754313046.6/14

+ sign 1.761 ± 0.000 χ^2/NDF : 29751329912.6/32

All: 1.808 ± 0.000 χ^2/NDF : 61468335366.8/6

- sign 1.851 ± 0.000 χ^2/NDF : 31590832456.7/33

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.017+/-0.000 χ^2/NDF :2729635.4/15

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

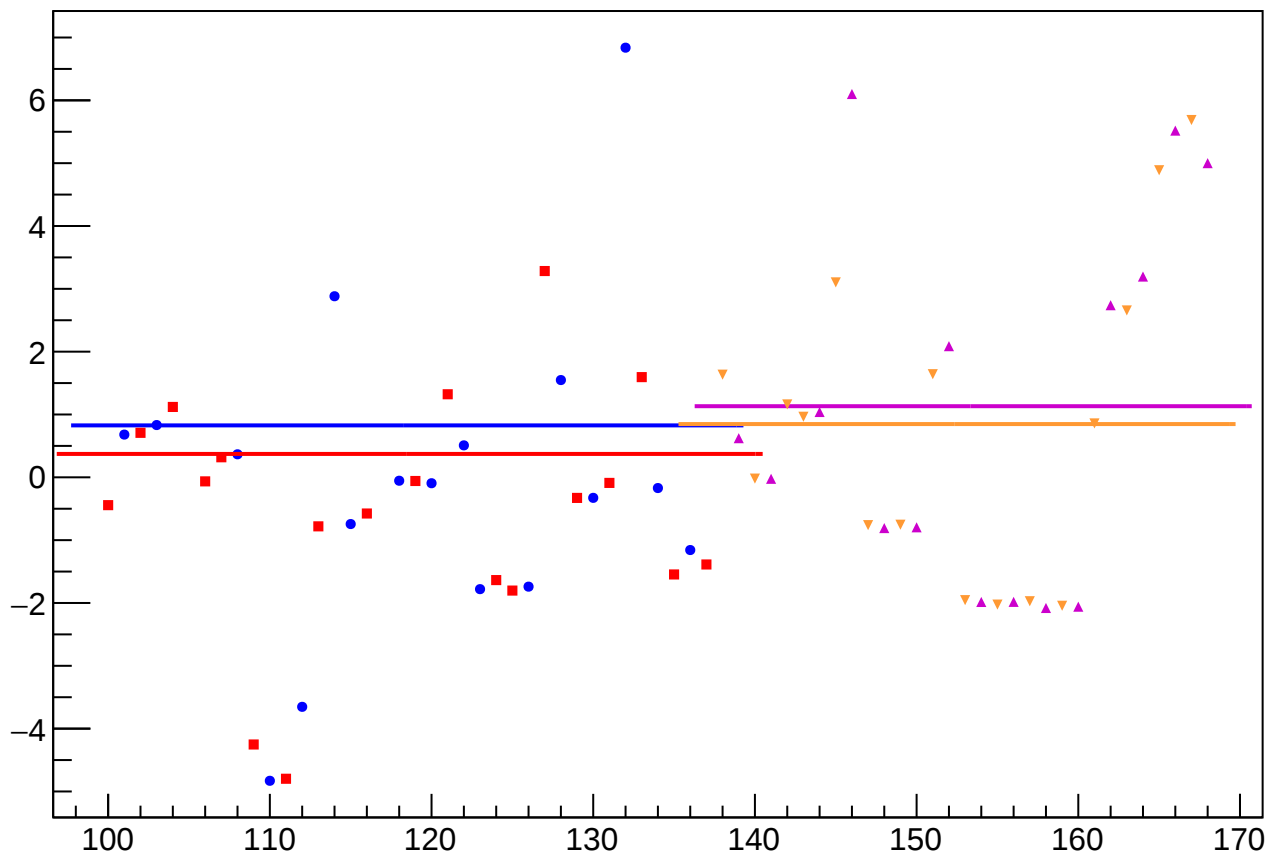
Left In: 0.017+/-0.000 χ^2/NDF :2340212.7/14

+ sign 0.019+/-0.000 χ^2/NDF : 8140655.9/32

All: 0.018+/-0.000 χ^2/NDF : 16393323.4/66

- sign 0.018+/-0.000 χ^2/NDF : 8239777.1/33

yield_bpm1Y_mean vs Slug



Right In: 0.827+/-0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.848+/-0.000 χ^2/NDF : 361515688049.5/15

Right Out: 0.372+/-0.000 χ^2/NDF : 4972900338.2/18

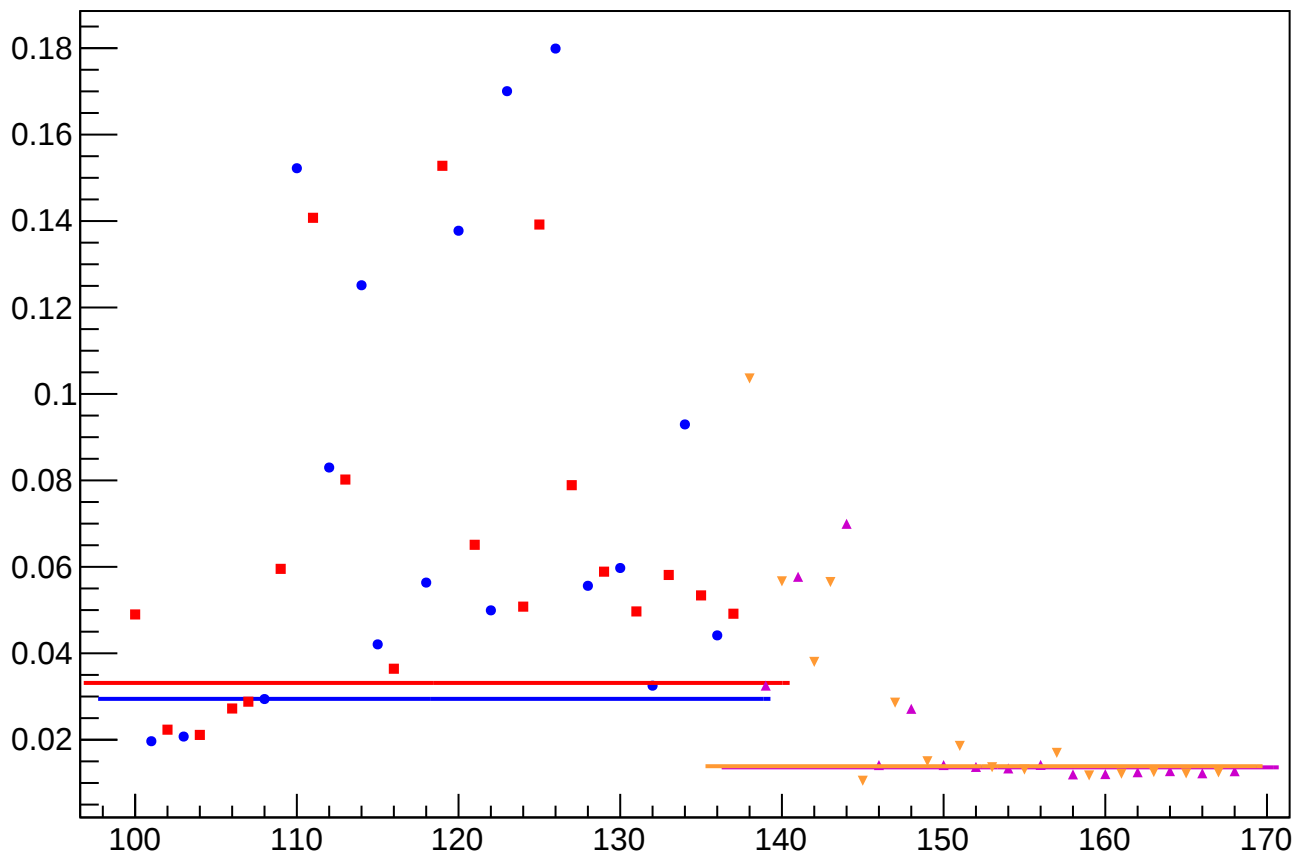
Left In: 1.132+/-0.000 χ^2/NDF : 475102866933.6/14

+ sign 0.846+/-0.000 χ^2/NDF : 372453754973.5/32

All: 0.968+/-0.000 χ^2/NDF : 855850137535.8

- sign 1.082+/-0.000 χ^2/NDF : 481962348040.5/33

yield_bpm1Y_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.014 $\pm$ 0.000 χ^2/NDF : 2836387.4/15

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3096820.9/18

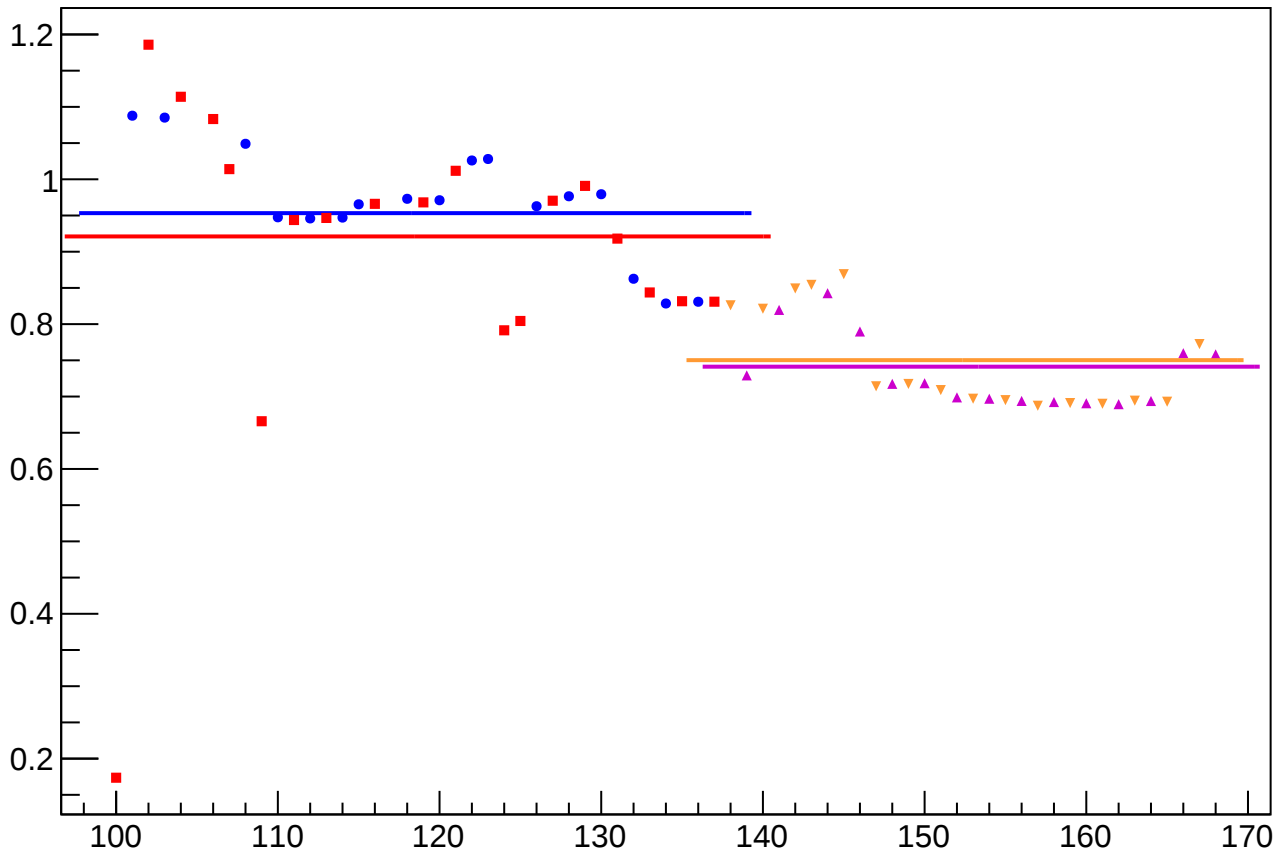
Left In: 0.014 $\pm$ 0.000 χ^2/NDF : 1869811.2/14

+ sign 0.015 $\pm$ 0.000 χ^2/NDF : 7648909.0/32

All: 0.015 $\pm$ 0.000 χ^2/NDF : 15111992.9/66

- sign 0.015 $\pm$ 0.000 χ^2/NDF : 7460631.7/33

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.750 $\pm$ 0.000 χ^2 /NDF: 259727474.2/15

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

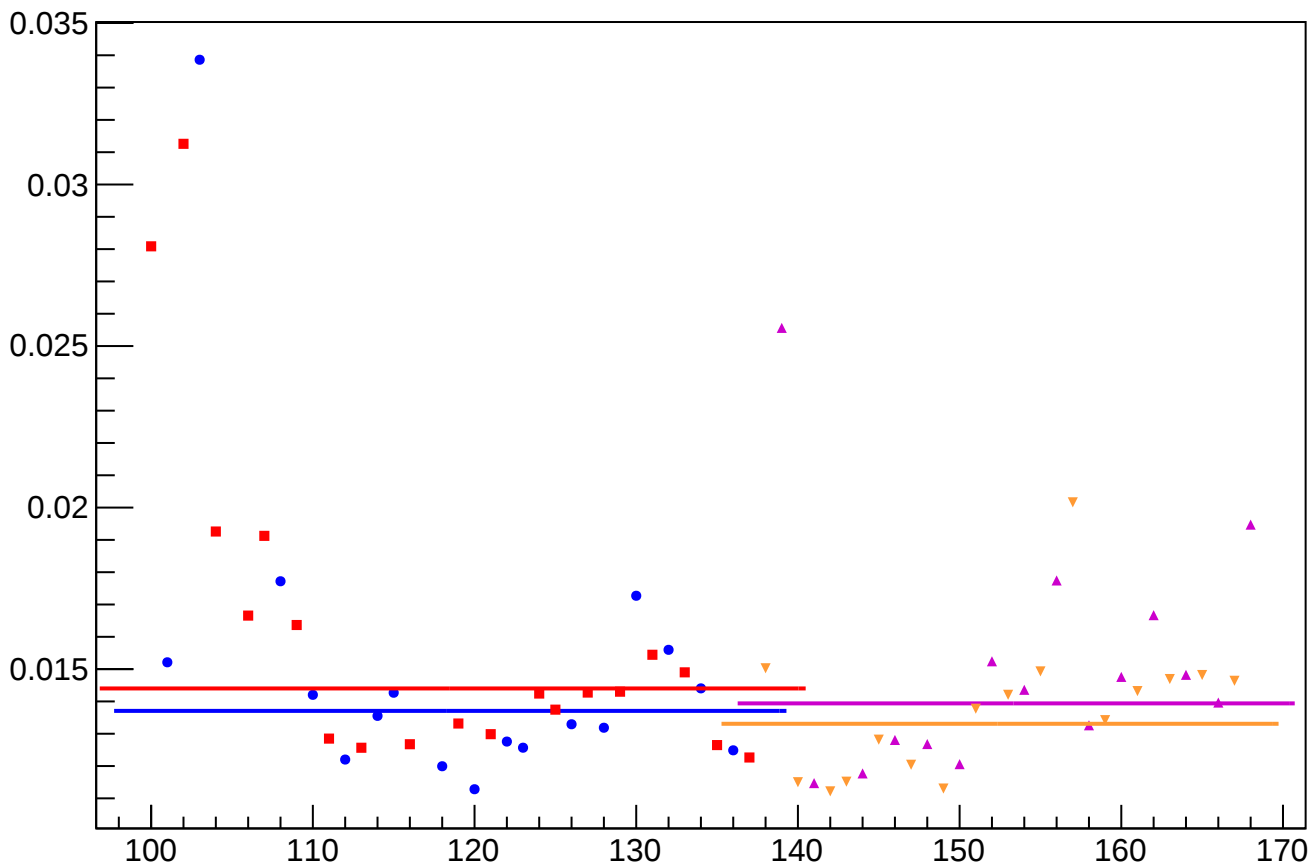
Left In: 0.741 $\pm$ 0.000 χ^2 /NDF: 156428304.7/14

+ sign 0.821 $\pm$ 0.000 χ^2 /NDF: 1265933885.2/32

All: 0.814 $\pm$ 0.000 χ^2 /NDF: 2416477966.2/60

- sign 0.806 $\pm$ 0.000 χ^2 /NDF: 1140353230.5/33

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 546317.6/16

Left Out: 0.013+/-0.000 χ^2/NDF : 366348.8/15

Right Out: 0.014+/-0.000 χ^2/NDF : 501768.8/18

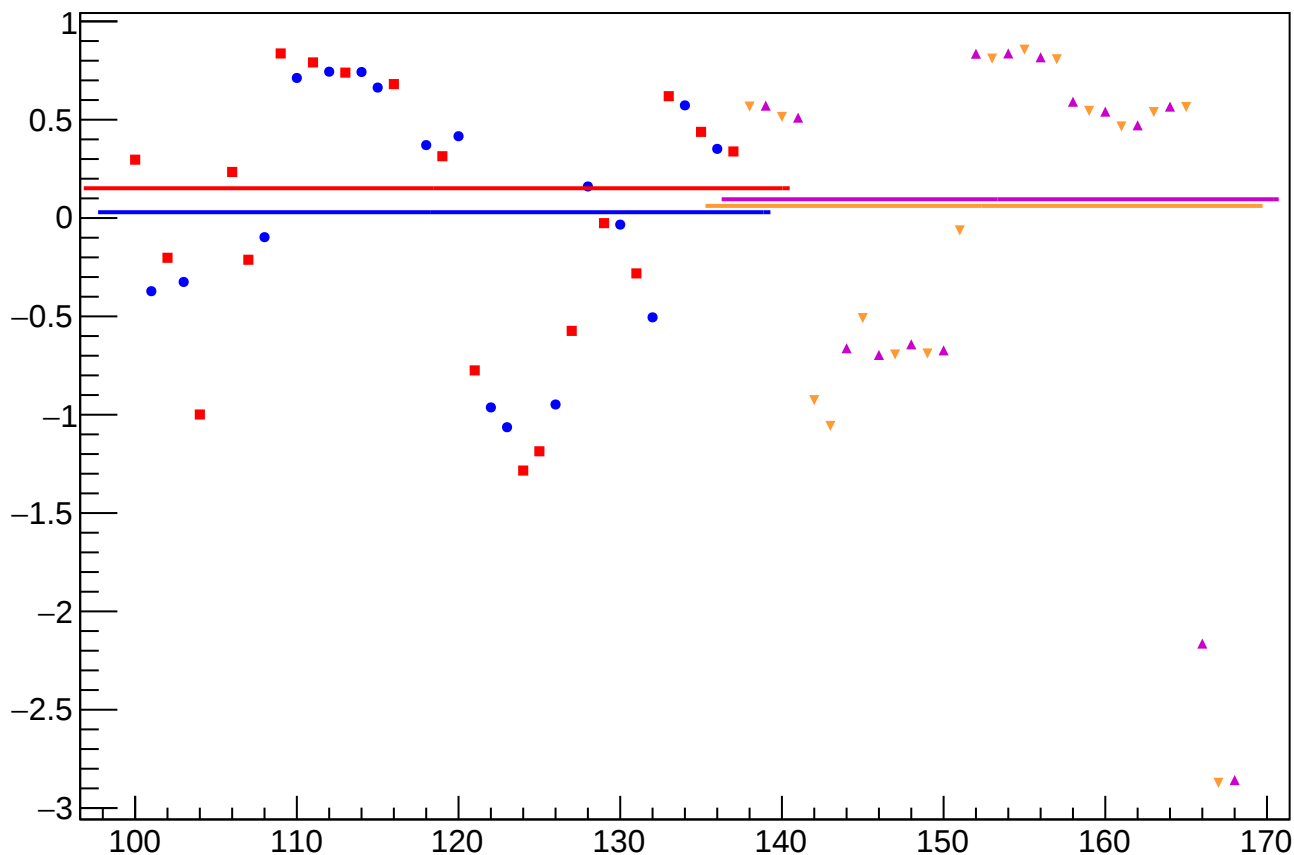
Left In: 0.014+/-0.000 χ^2/NDF : 702628.5/14

+ sign 0.013+/-0.000 χ^2/NDF : 919100.6/32

All: 0.014+/-0.000 χ^2/NDF : 2168413.9/66

- sign 0.014+/-0.000 χ^2/NDF : 1212449.8/33

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.062 $\pm$ 0.000 χ^2 /NDF: 62258224168.2/15

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

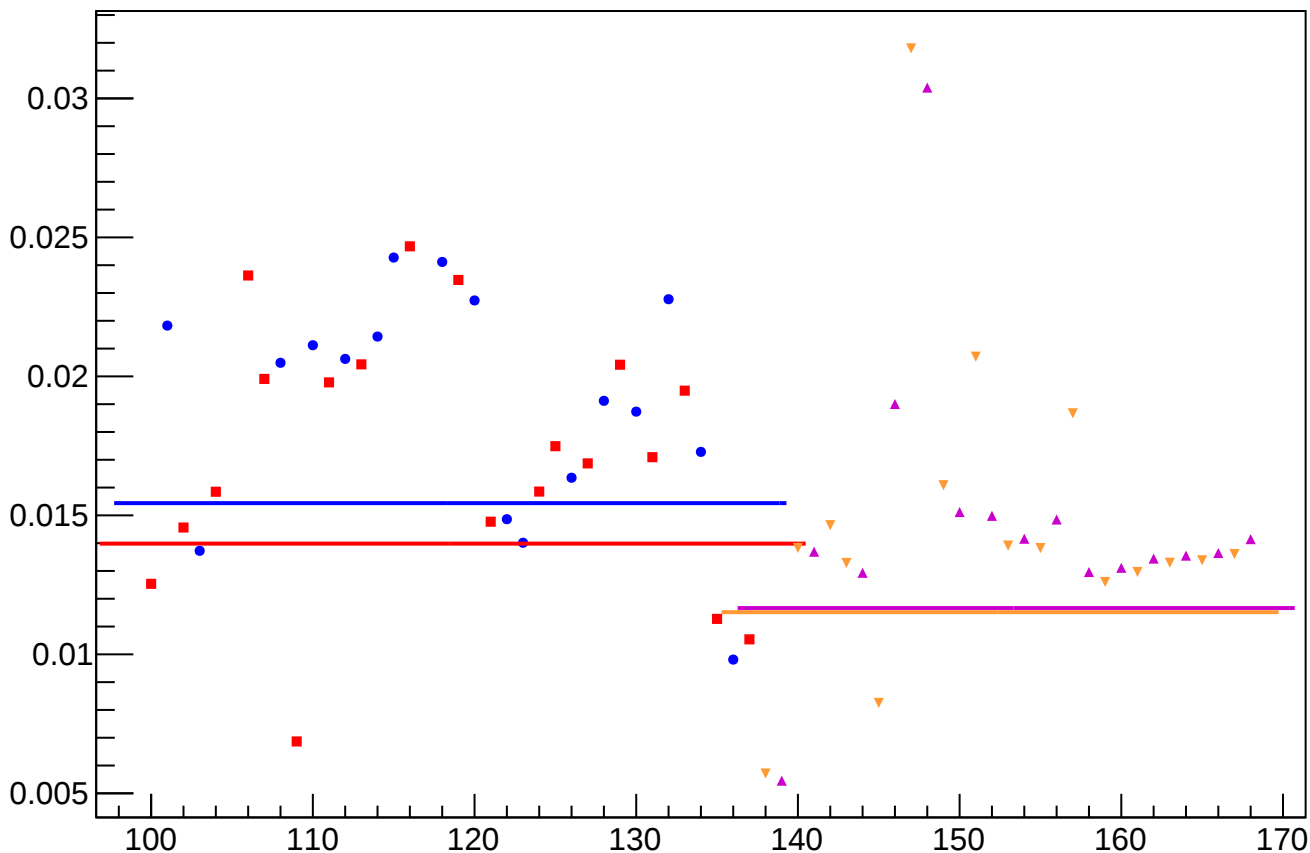
Left In: 0.095 $\pm$ 0.000 χ^2 /NDF: 71830182361.6/14

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 68571605236.9/32

All: 0.083 $\pm$ 0.000 χ^2 /NDF: 153290784787.1

- sign 0.112 $\pm$ 0.000 χ^2 /NDF: 84556198224.8/33

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.012+/-0.000 χ^2/NDF : 2939493.1/15

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

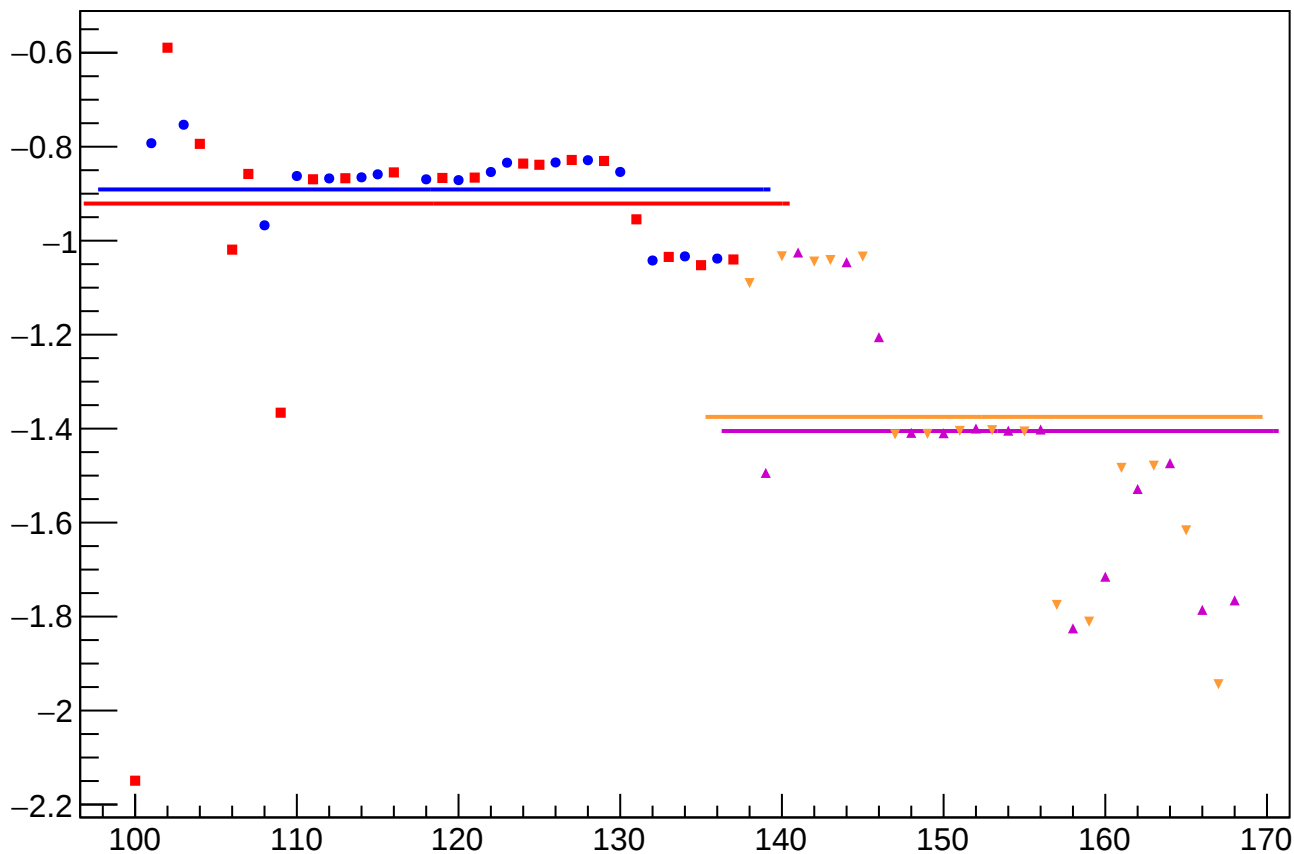
Left In: 0.012+/-0.000 χ^2/NDF : 2916832.9/14

+ sign 0.012+/-0.000 χ^2/NDF : 4652584.9/32

All: 0.012+/-0.000 χ^2/NDF : 9352079.3/66

- sign 0.012+/-0.000 χ^2/NDF : 4697299.7/33

yield_bpm12X_mean vs Slug



Right In: -0.891 ± 0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.375 ± 0.000 χ^2/NDF : 646430393.0/15

Right Out: -0.921 ± 0.000 χ^2/NDF : 131183059.9/18

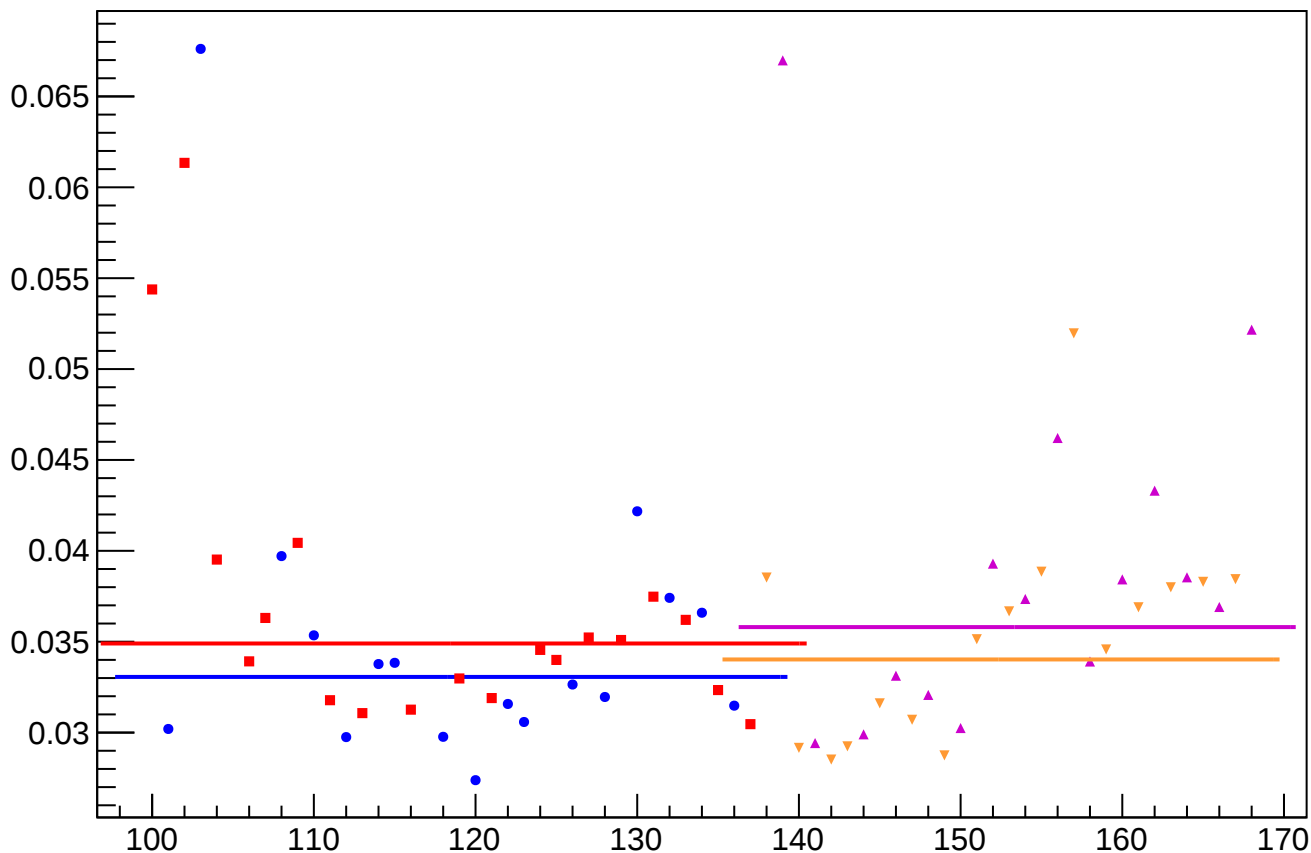
Left In: -1.405 ± 0.000 χ^2/NDF : 509097276.2/14

+ sign -1.191 ± 0.000 χ^2/NDF : 1465916559.5/32

All: -1.203 ± 0.000 χ^2/NDF : 2832954581.6/6

- sign -1.216 ± 0.000 χ^2/NDF : 1362692652.5/33

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 409286.7/16

Left Out: 0.034 $\pm$ 0.000 χ^2 /NDF: 406543.4/15

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 274270.8/18

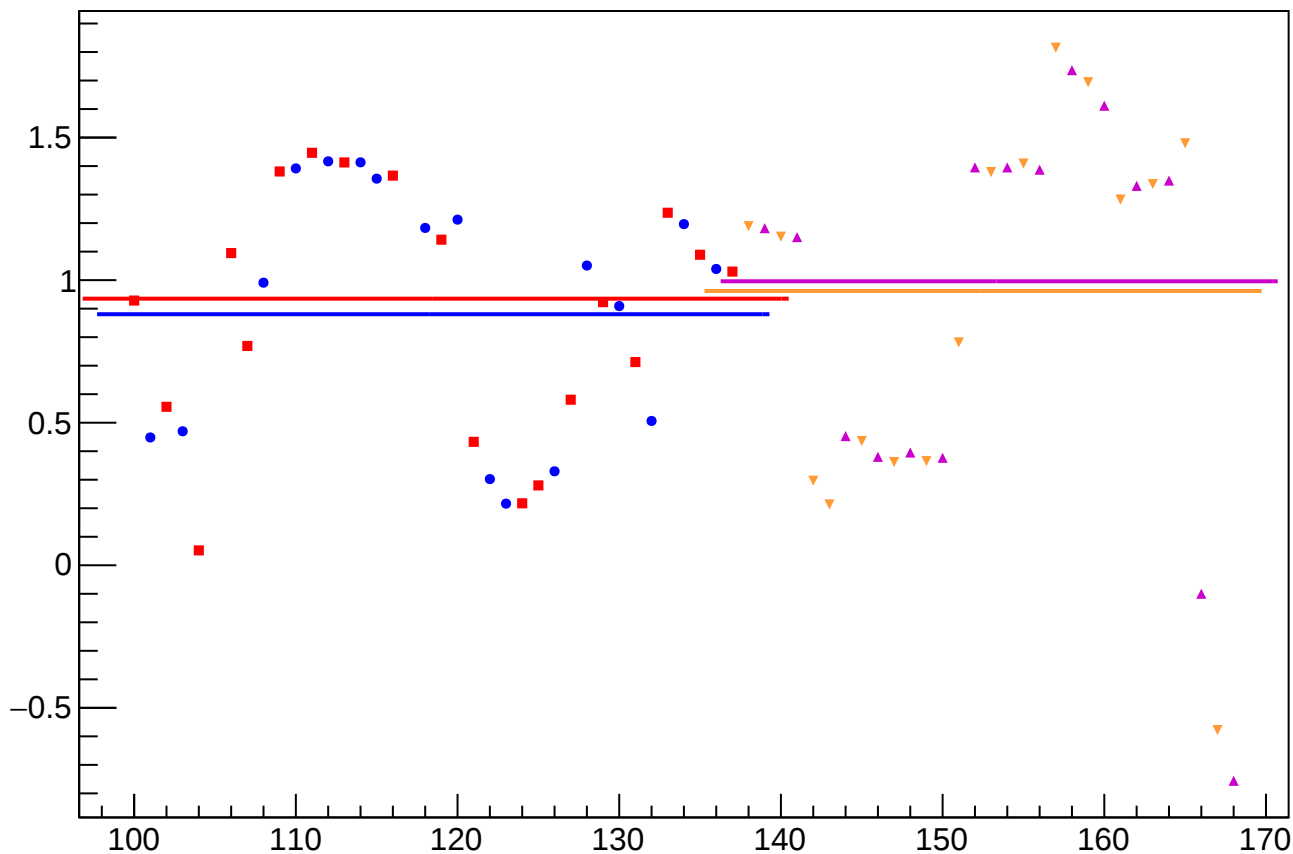
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 785768.1/14

+ sign 0.034 $\pm$ 0.000 χ^2 /NDF: 821980.0/32

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 1930546.3/66

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1065055.7/33

yield_bpm12Y_mean vs Slug



Right In: 0.880 ± 0.000 χ^2/NDF : 6400108121.4/16

Left Out: 0.962 ± 0.000 χ^2/NDF : 53581444106.9/15

Right Out: 0.935 ± 0.000 χ^2/NDF : 9833525935.6/18

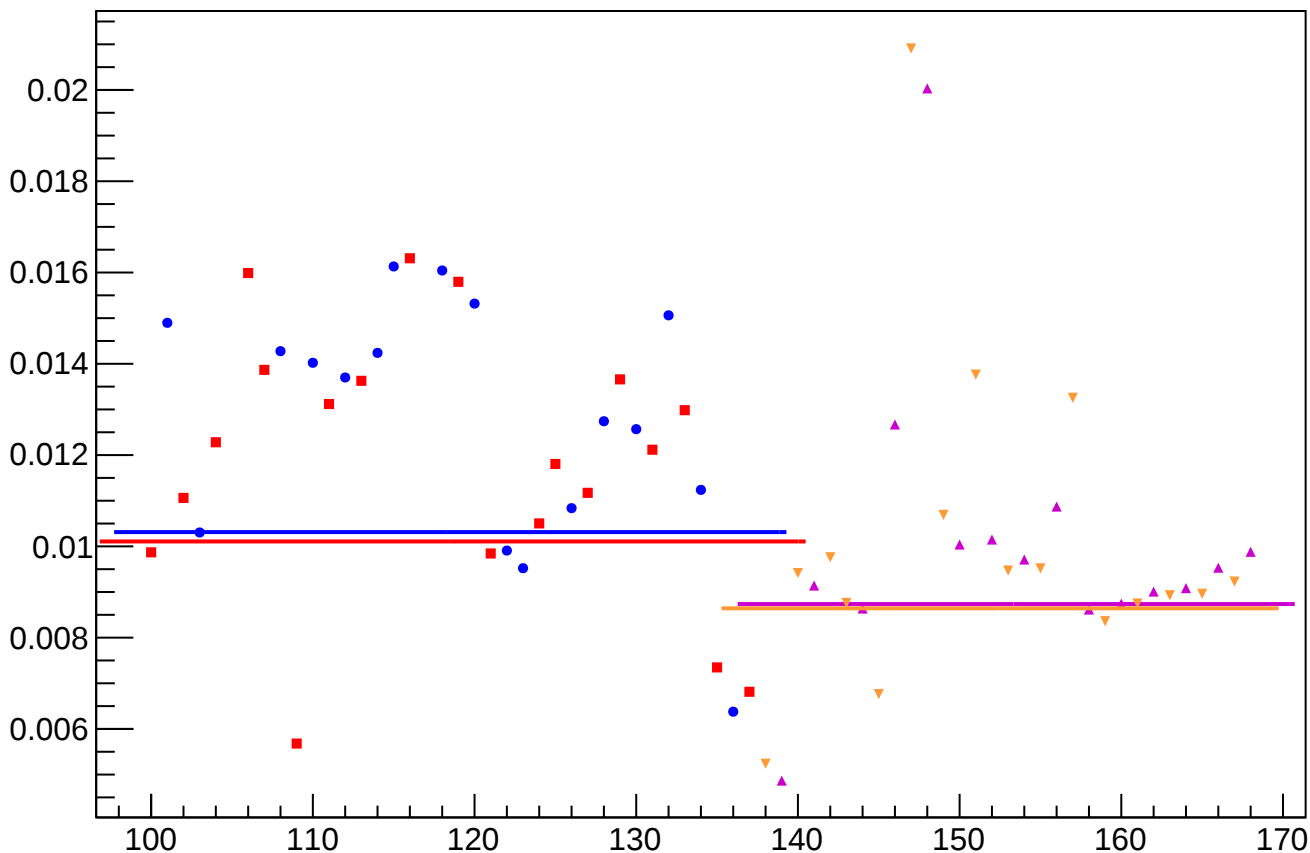
Left In: 0.996 ± 0.000 χ^2/NDF : 57113570455.4/14

+ sign 0.940 ± 0.000 χ^2/NDF : 60236032024.6/32

All: 0.959 ± 0.000 χ^2/NDF : 127474177796.9

- sign 0.978 ± 0.000 χ^2/NDF : 67096757547.7/33

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1231066.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1664228.5/15

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

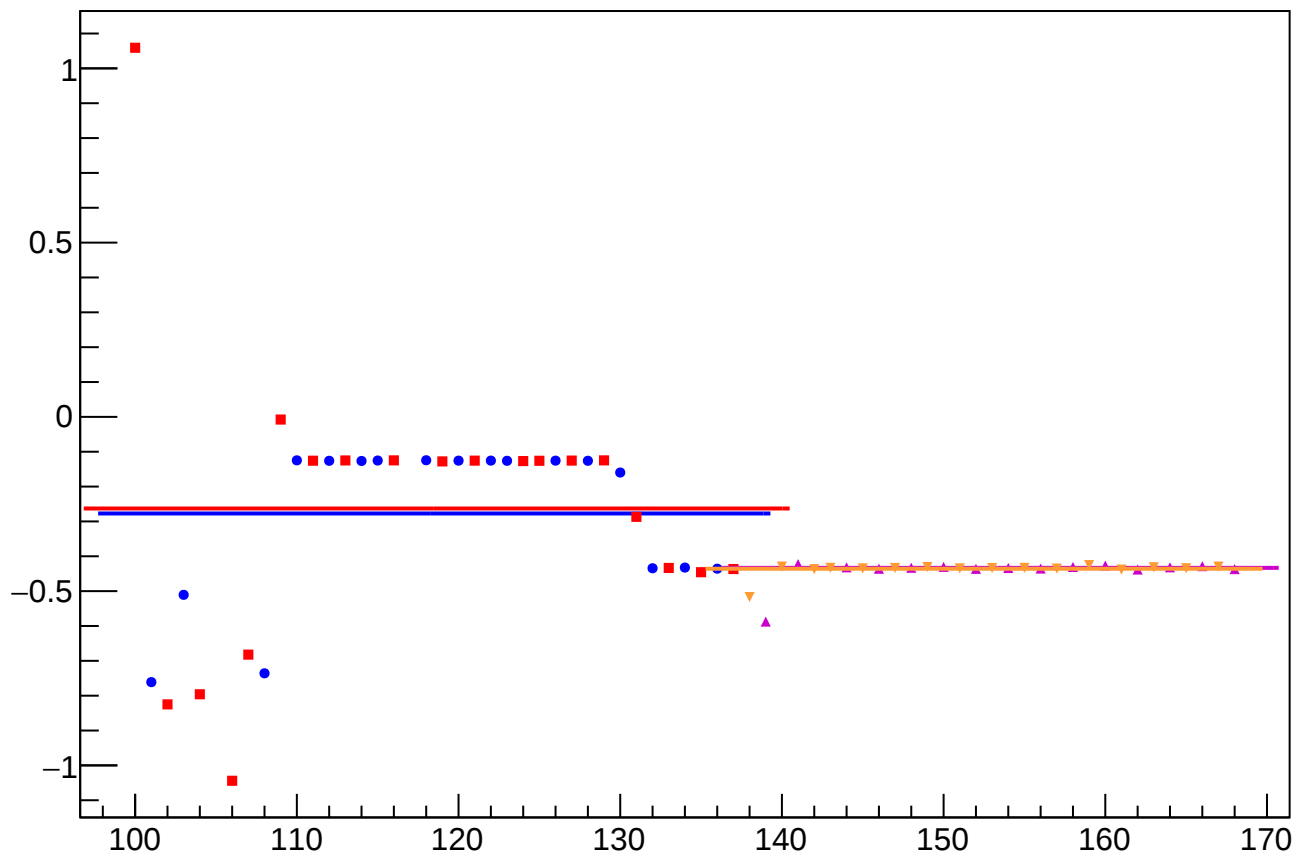
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1591881.6/14

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3109223.7/32

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6031275.0/66

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2921685.6/33

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 25880532.0/15

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

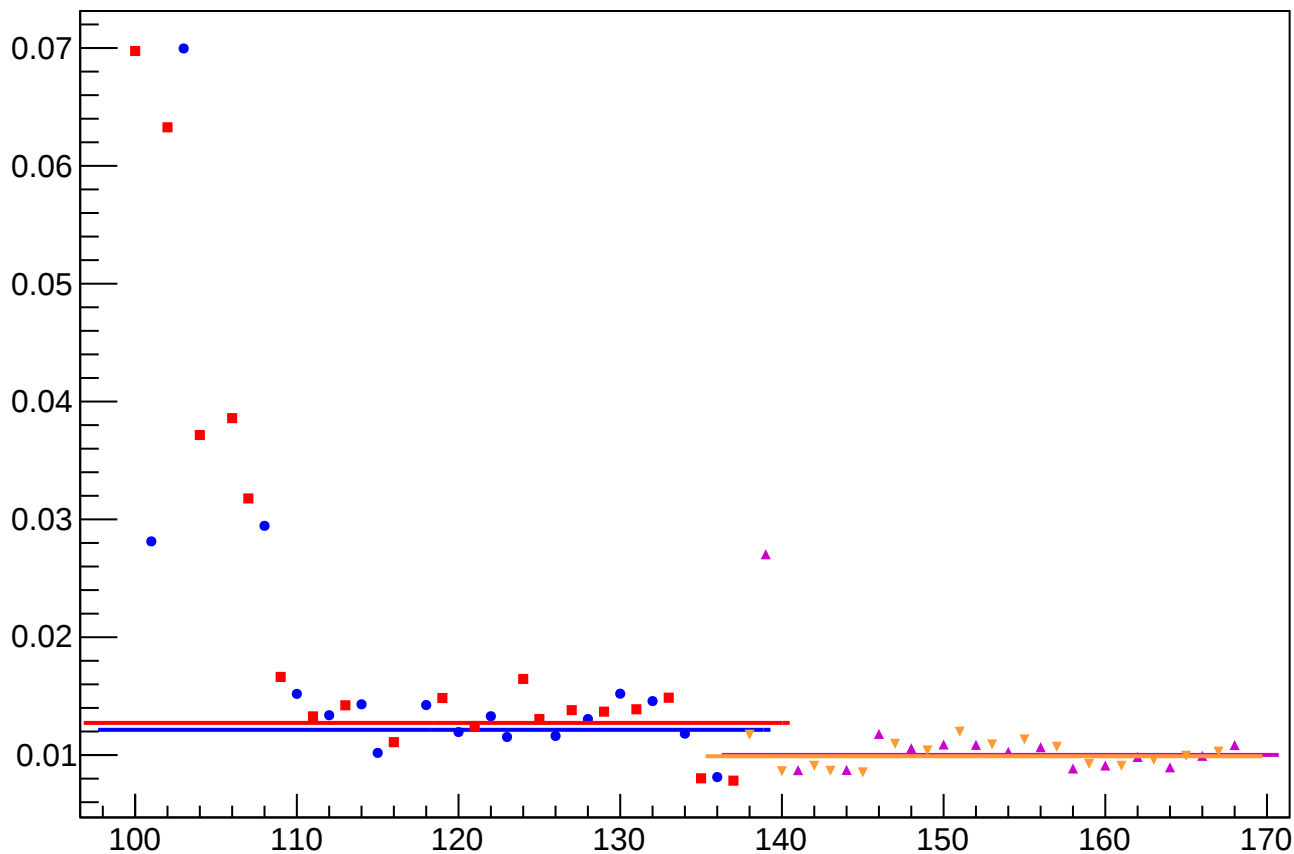
Left In: -0.433 ± 0.000 χ^2/NDF : 23565033.6/14

+ sign -0.397 ± 0.000 χ^2/NDF : 1576301276.7/32

All: -0.395 ± 0.000 χ^2/NDF : 3272124771.9/6

- sign -0.393 ± 0.000 χ^2/NDF : 1694490327.8/33

yield_bpm16X_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1727494.7/16

Left Out: 0.010 ± 0.000 χ^2/NDF : 226234.5/15

Right Out: 0.013 ± 0.000 χ^2/NDF : 1969165.0/18

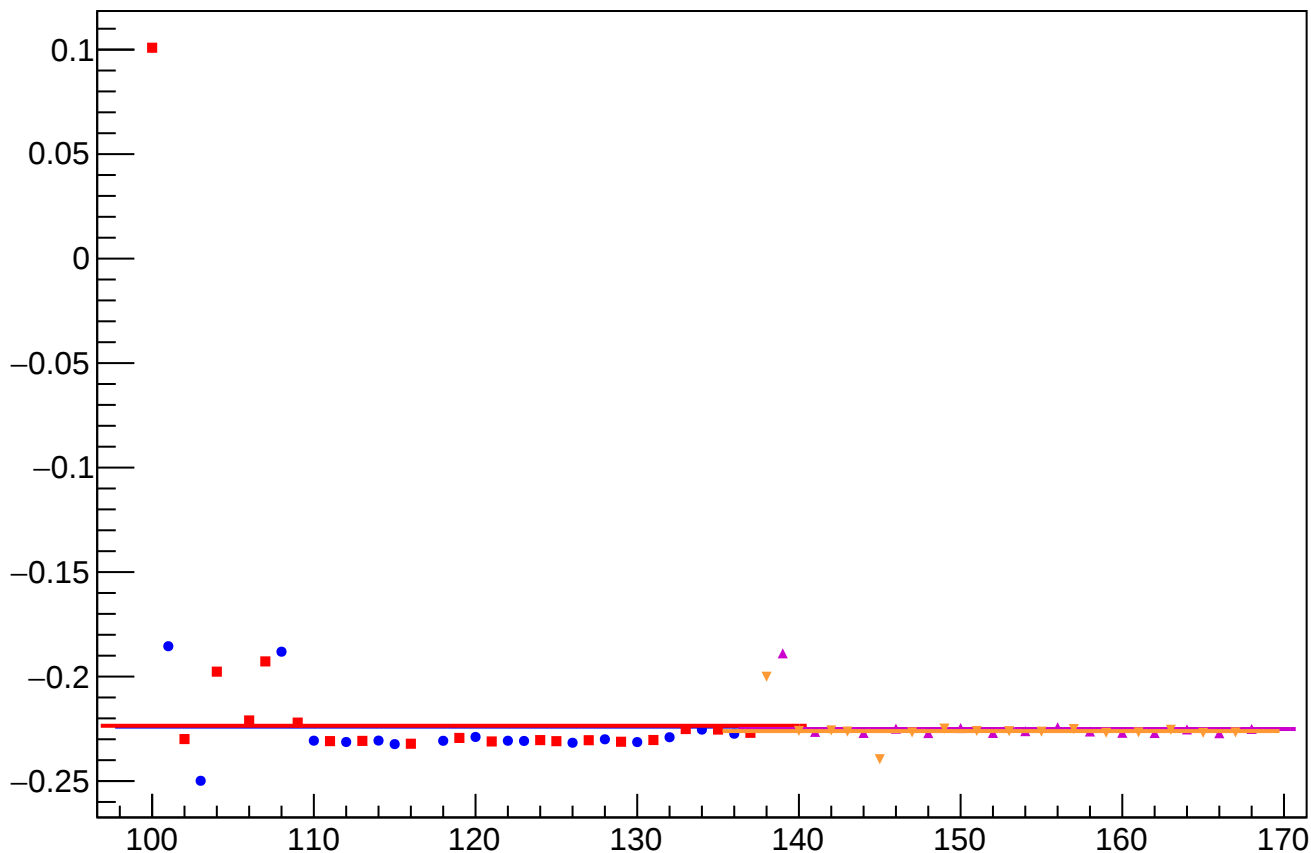
Left In: 0.010 ± 0.000 χ^2/NDF : 703314.5/14

+ sign 0.010 ± 0.000 χ^2/NDF : 2197782.3/32

All: 0.011 ± 0.000 χ^2/NDF : 5213032.1/66

- sign 0.011 ± 0.000 χ^2/NDF : 3009316.0/33

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74704721.6/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20611852.5/15

Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

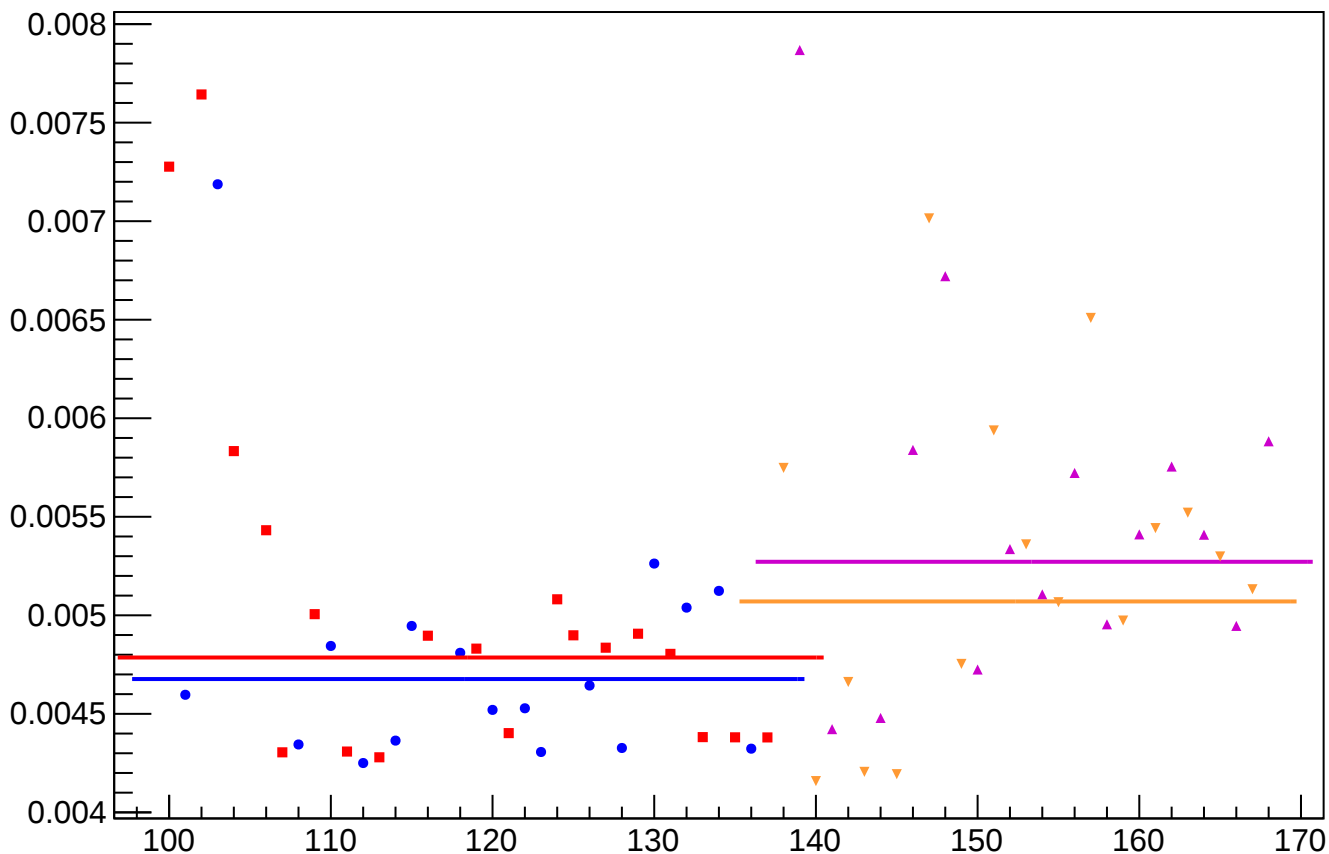
Left In: -0.225+/-0.000 χ^2/NDF : 14336562.5/14

+ sign -0.225+/-0.000 χ^2/NDF : 96079794.9/32

All: -0.225+/-0.000 χ^2/NDF : 279148356.9/66

- sign -0.224+/-0.000 χ^2/NDF : 182855162.9/33

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 181335.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 447744.7/15

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

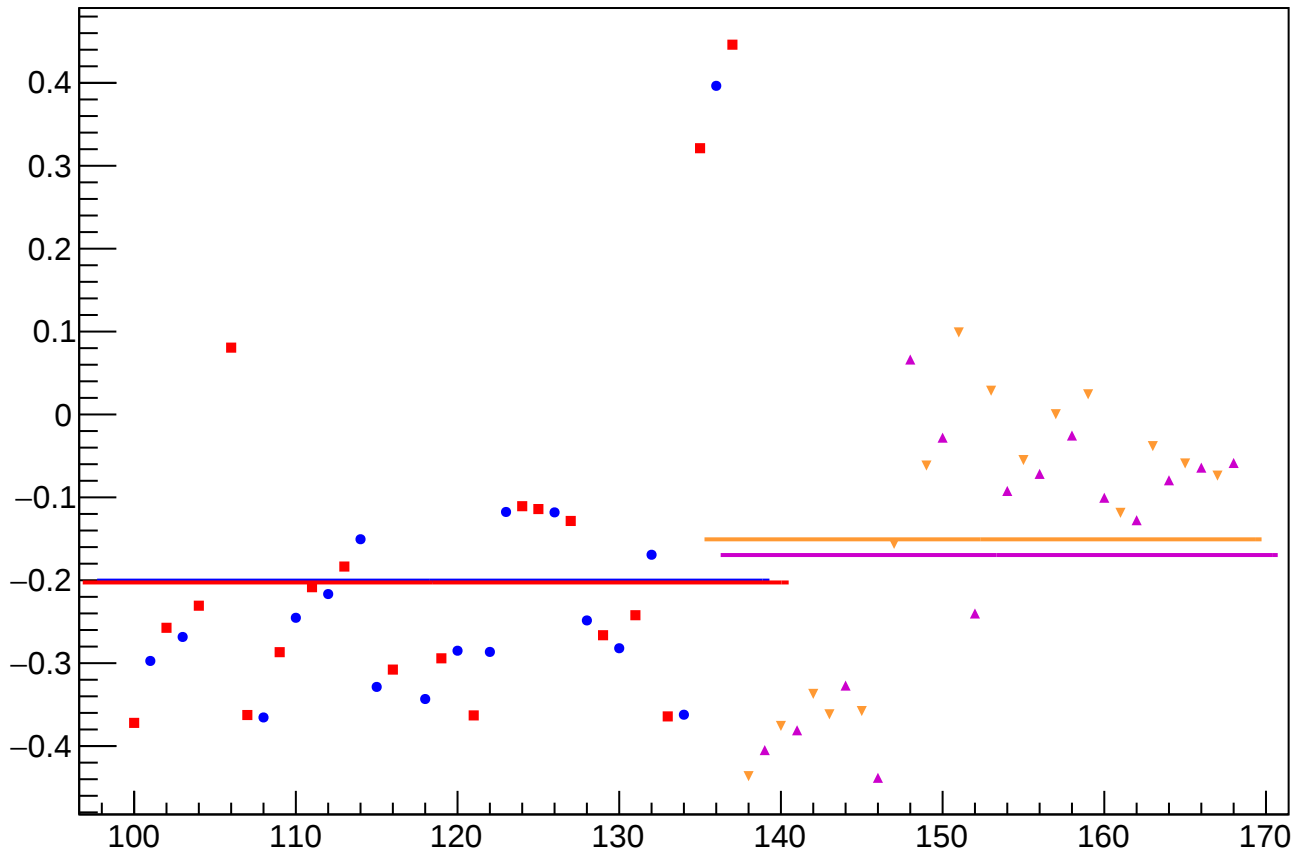
Left In: 0.005+/-0.000 χ^2/NDF : 404629.6/14

+ sign 0.005+/-0.000 χ^2/NDF : 681016.5/32

All: 0.005+/-0.000 χ^2/NDF : 1427098.1/66

- sign 0.005+/-0.000 χ^2/NDF : 729776.1/33

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.151 ± 0.000 χ^2/NDF : 11174994758.1/15

Right Out: -0.203 ± 0.000 χ^2/NDF : 5028268807.1/18

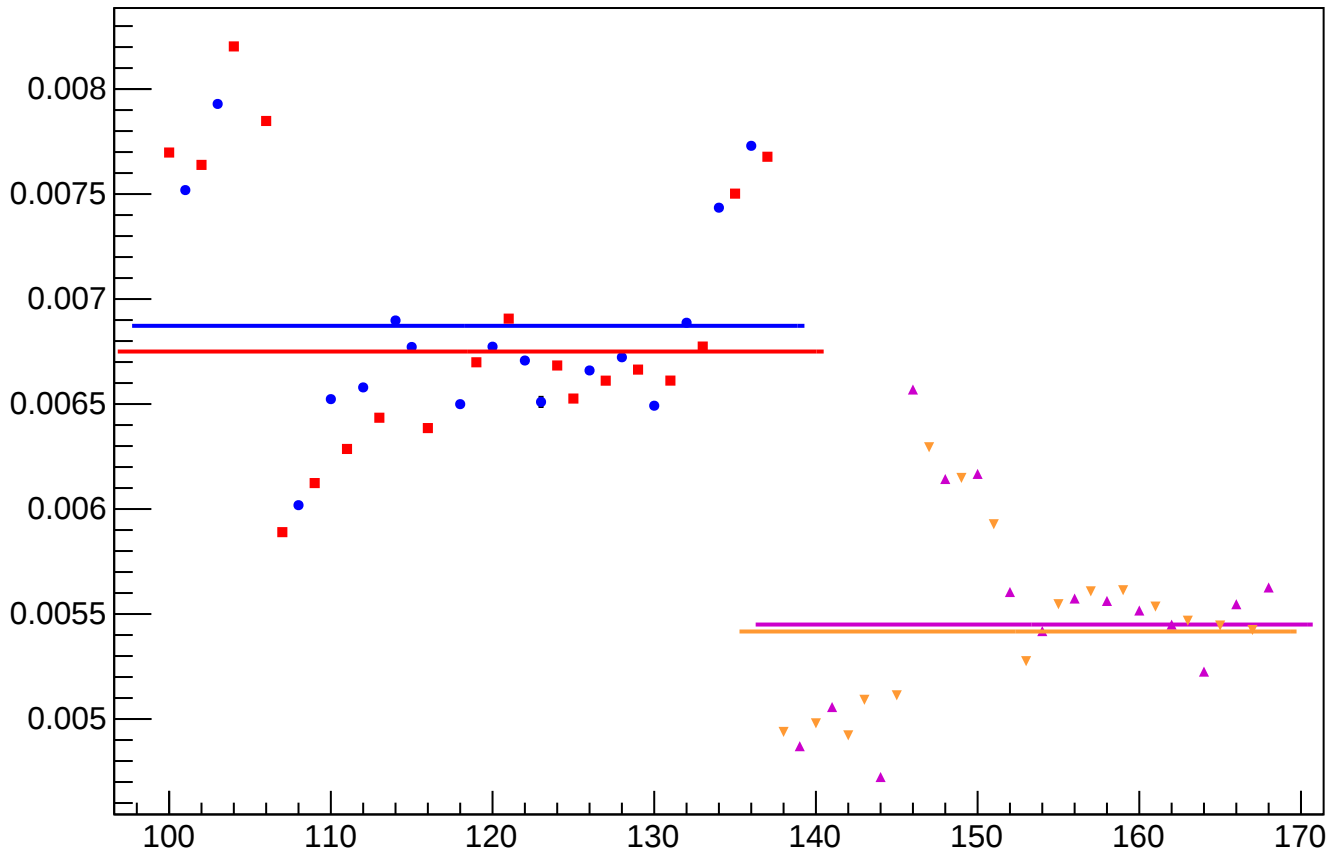
Left In: -0.170 ± 0.000 χ^2/NDF : 8231153578.1/14

+ sign -0.164 ± 0.000 χ^2/NDF : 17400496815.4/32

All: -0.172 ± 0.000 χ^2/NDF : 30836625131.6

- sign -0.179 ± 0.000 χ^2/NDF : 13376355149.9/33

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 78611.6/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:105572.0/15

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 105124.4/18

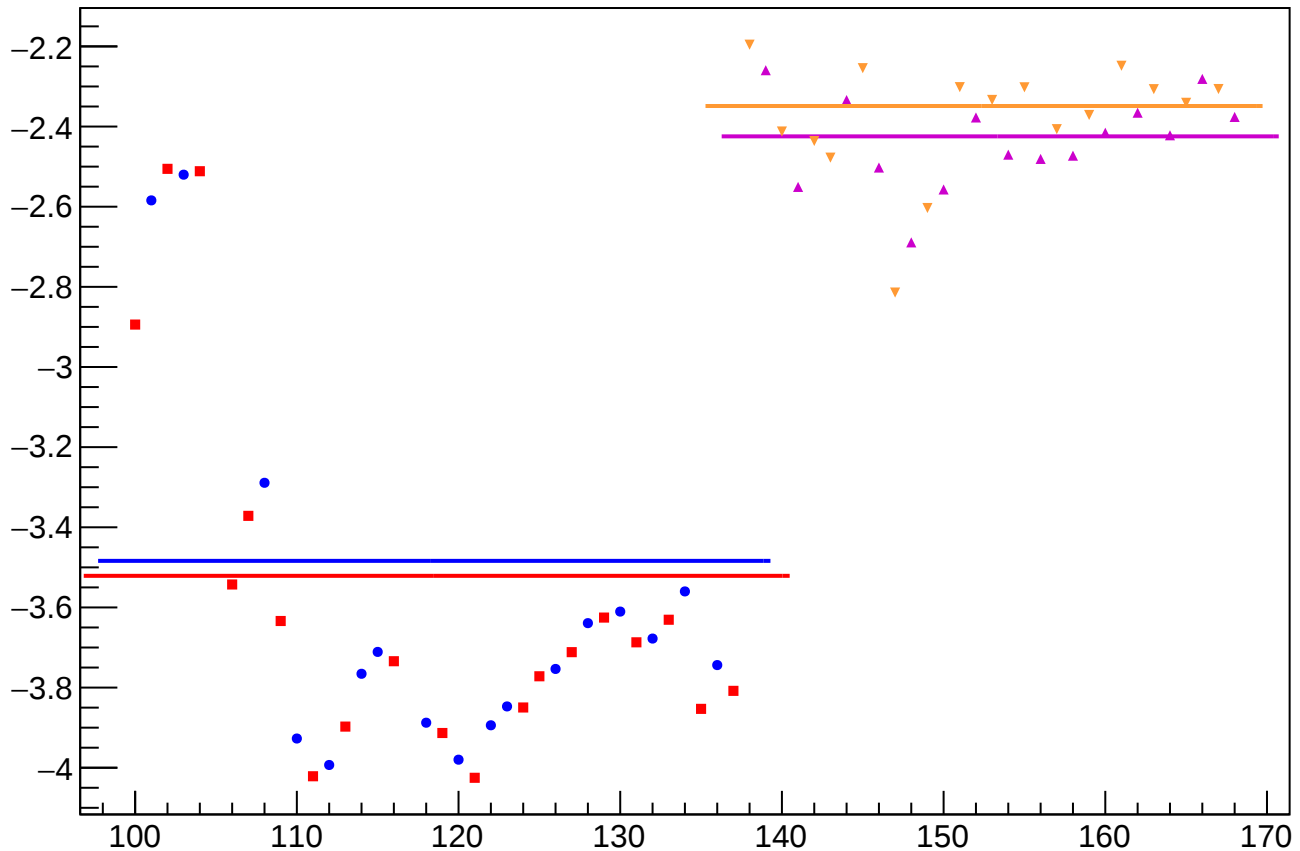
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:147960.3/14

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 614690.1/32

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1229092.3/66

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 614161.5/33

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.349+/-0.000 χ^2/NDF : 1675521023.4/15

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

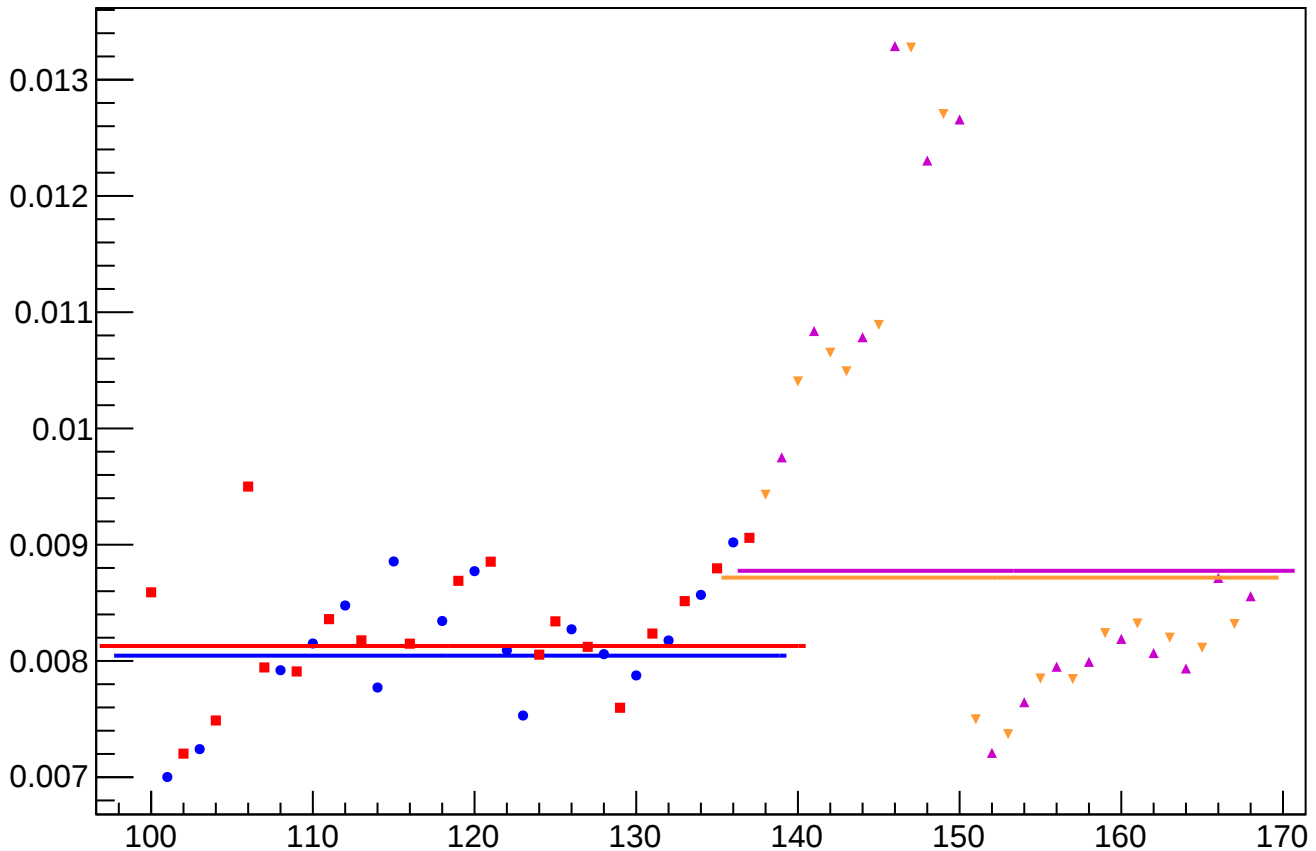
Left In: -2.424+/-0.000 χ^2/NDF : 1125991316.8/14

+ sign -2.818+/-0.000 χ^2/NDF : 104826281924.4/32

All: -2.854+/-0.000 χ^2/NDF : 20395232009.9

- sign -2.891+/-0.000 χ^2/NDF : 98489107613.5/33

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 71989.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 593111.7/15

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

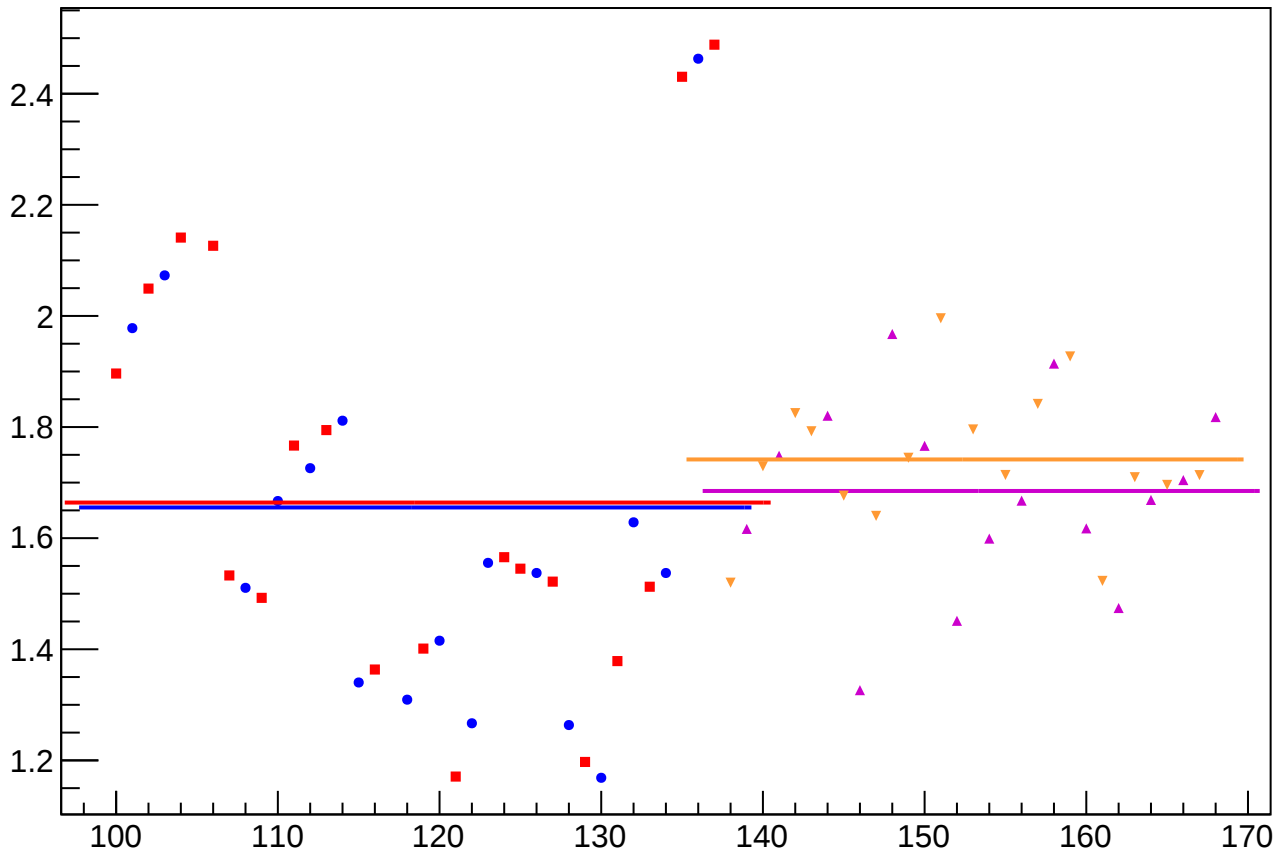
Left In: 0.009+/-0.000 χ^2/NDF : 699935.2/14

+ sign 0.008+/-0.000 χ^2/NDF : 718295.1/32

All: 0.008+/-0.000 χ^2/NDF : 1525923.2/66

- sign 0.009+/-0.000 χ^2/NDF : 806717.6/33

yield_bpm0i02aX_mean vs Slug



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.742+/-0.000 χ^2/NDF : 1523208870.0/15

Right Out: 1.664+/-0.000 χ^2/NDF : 5944262279.7/18

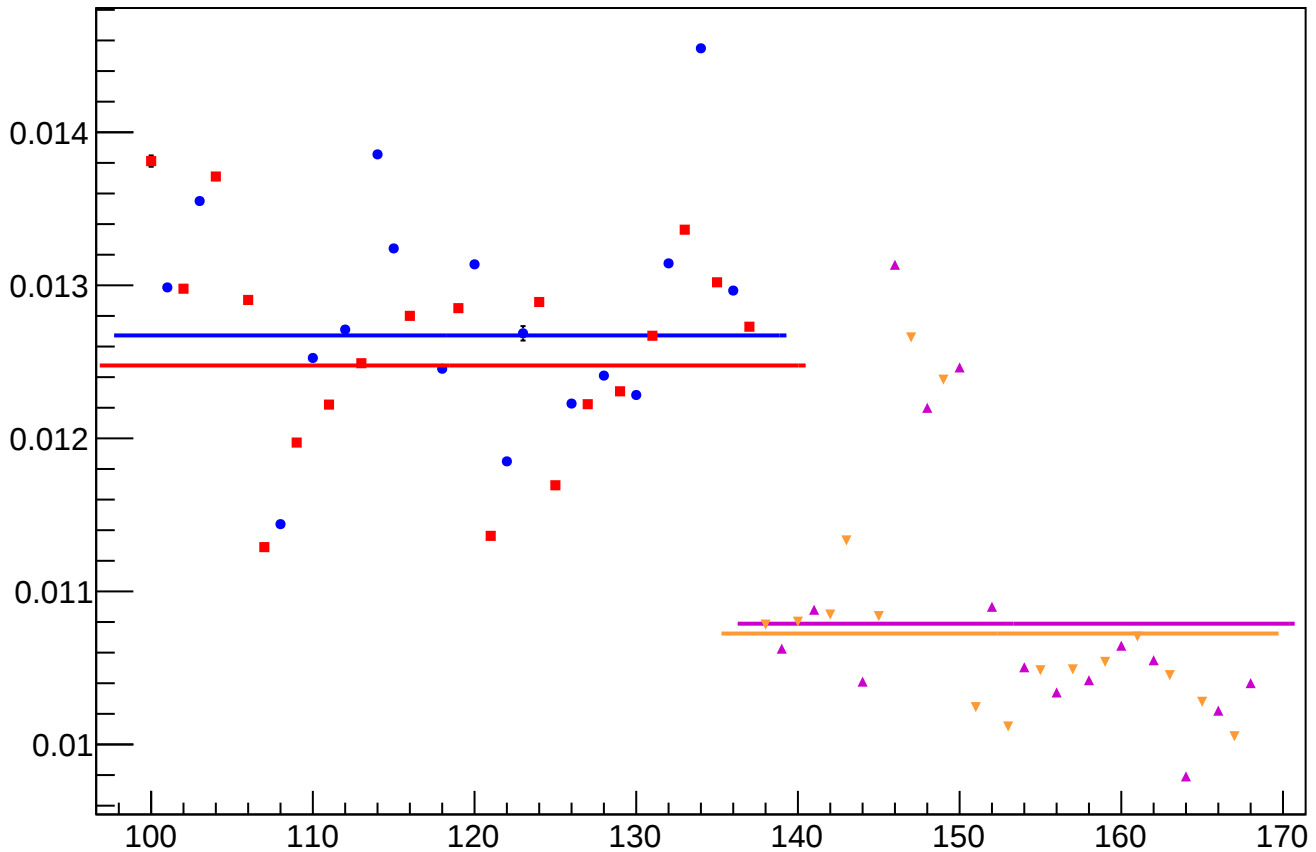
Left In: 1.685+/-0.000 χ^2/NDF : 2395070756.7/14

+ sign 1.716+/-0.000 χ^2/NDF : 8215065432.0/32

All: 1.697+/-0.000 χ^2/NDF : 16667644091.9/6

- sign 1.678+/-0.000 χ^2/NDF : 8352462428.4/33

yield_bpm0i02aX_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 31801.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:84990.0/15

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 39134.8/18

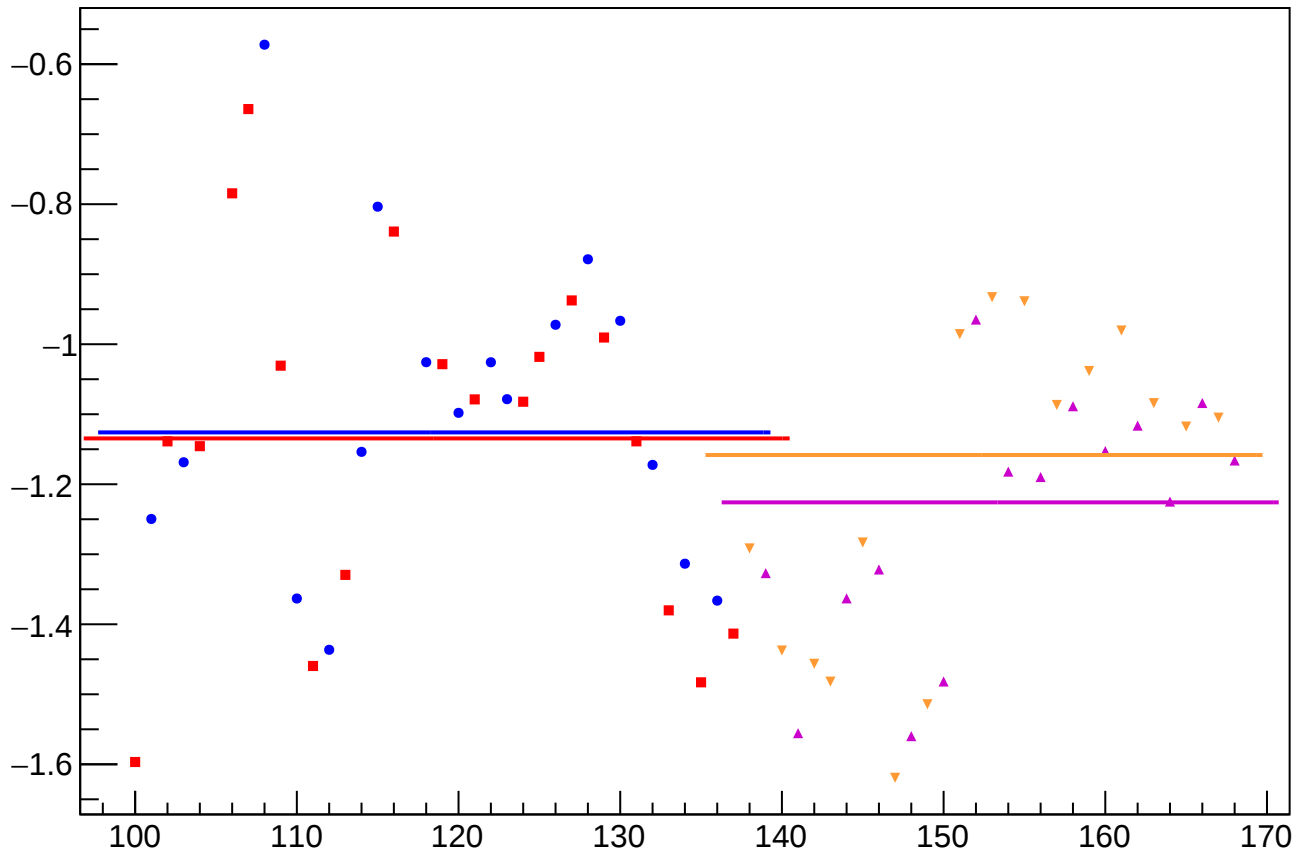
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119694.9/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 335560.4/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 666281.8/66

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 330613.1/33

yield_bpm0i02aY_mean vs Slug



Right In: -1.126 ± 0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.158 ± 0.000 χ^2/NDF : 7088748806.3/15

Right Out: -1.135 ± 0.000 χ^2/NDF : 3677461023.4/18

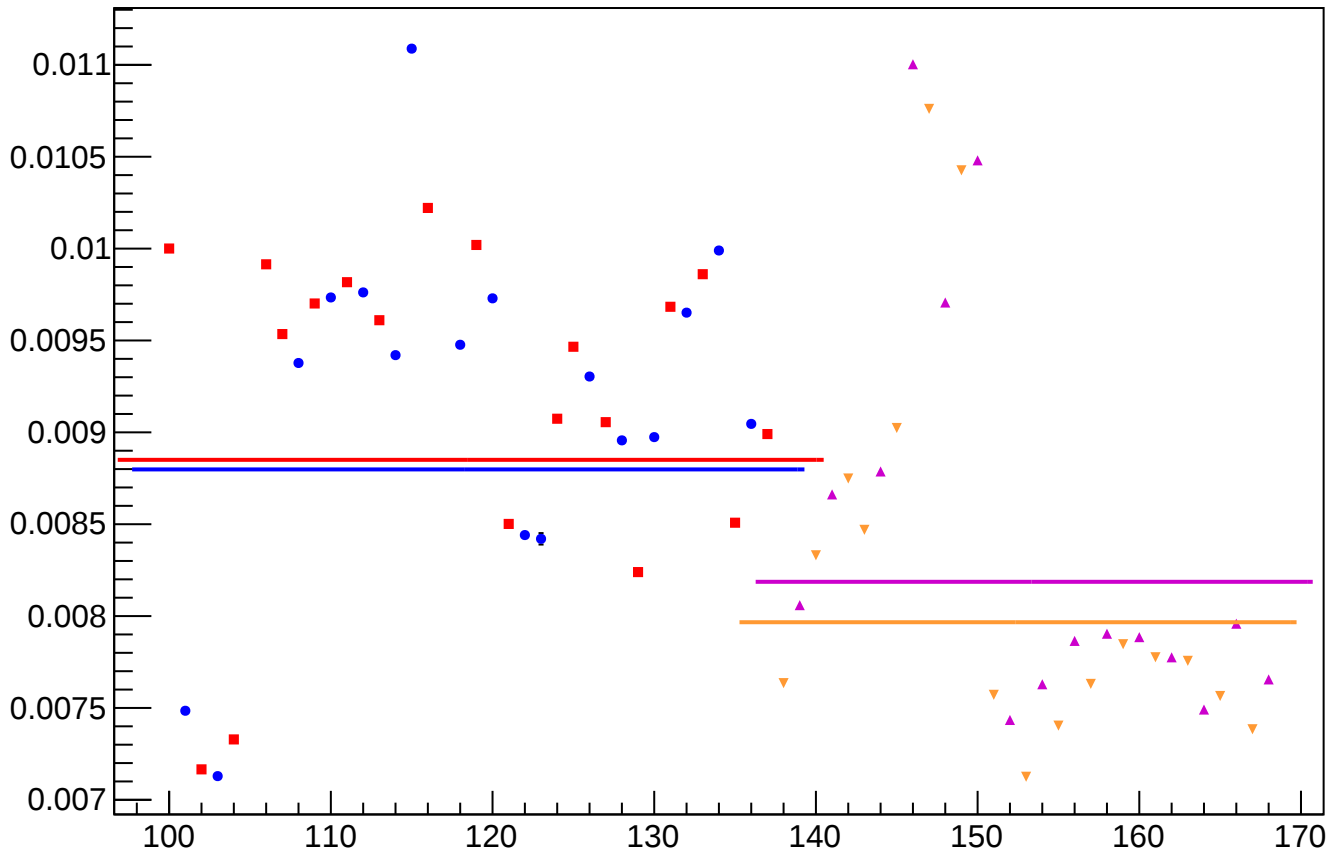
Left In: -1.226 ± 0.000 χ^2/NDF : 4458475636.9/14

+ sign -1.148 ± 0.000 χ^2/NDF : 10721410615.8/32

All: -1.171 ± 0.000 χ^2/NDF : 19590572083.1/33

- sign -1.194 ± 0.000 χ^2/NDF : 8597734239.4/33

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :244188.1/15

Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

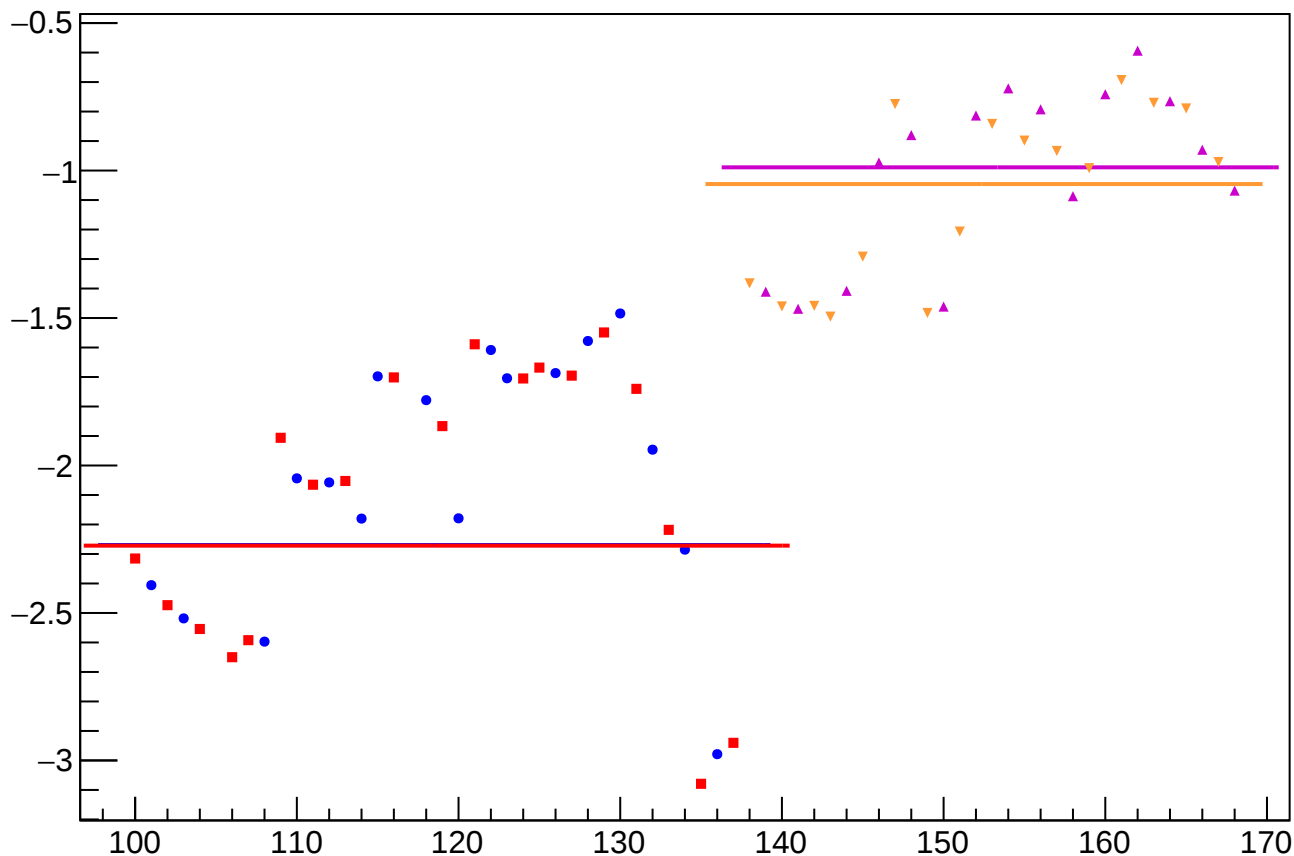
Left In: 0.008+/-0.000 χ^2/NDF :251186.7/14

+ sign 0.008+/-0.000 χ^2/NDF : 472605.7/32

All: 0.008+/-0.000 χ^2/NDF : 954421.8/66

- sign 0.008+/-0.000 χ^2/NDF : 473951.6/33

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.046+/-0.000 χ^2/NDF : 17506060793.5/15

Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

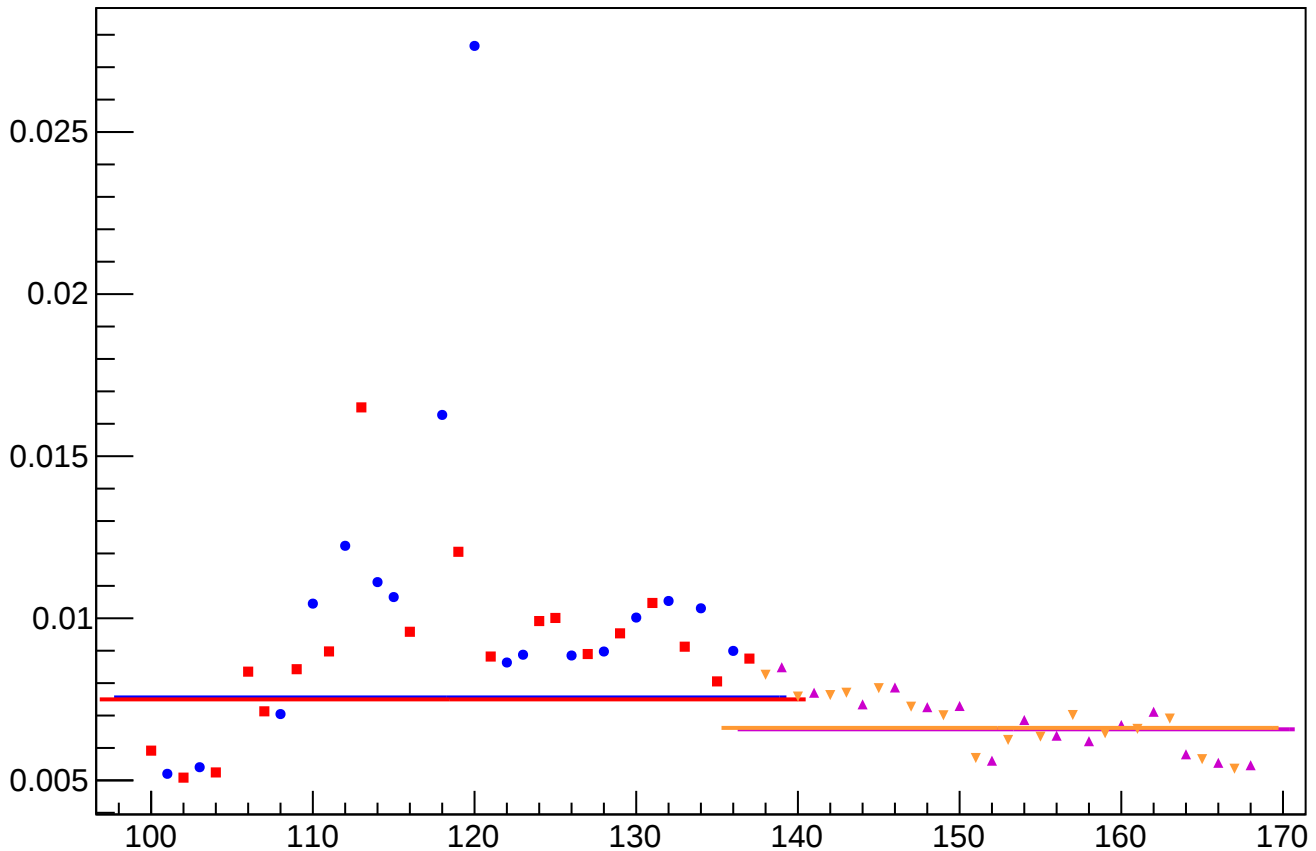
Left In: -0.989+/-0.000 χ^2/NDF : 17928417661.3/14

+ sign -1.371+/-0.000 χ^2/NDF : 131821219762.2/32

All: -1.364+/-0.000 χ^2/NDF : 285504838576.4

- sign -1.358+/-0.000 χ^2/NDF : 153654156858.1/33

yield_bpm0i05X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1221004.0/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:330503.3/15

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 933998.1/18

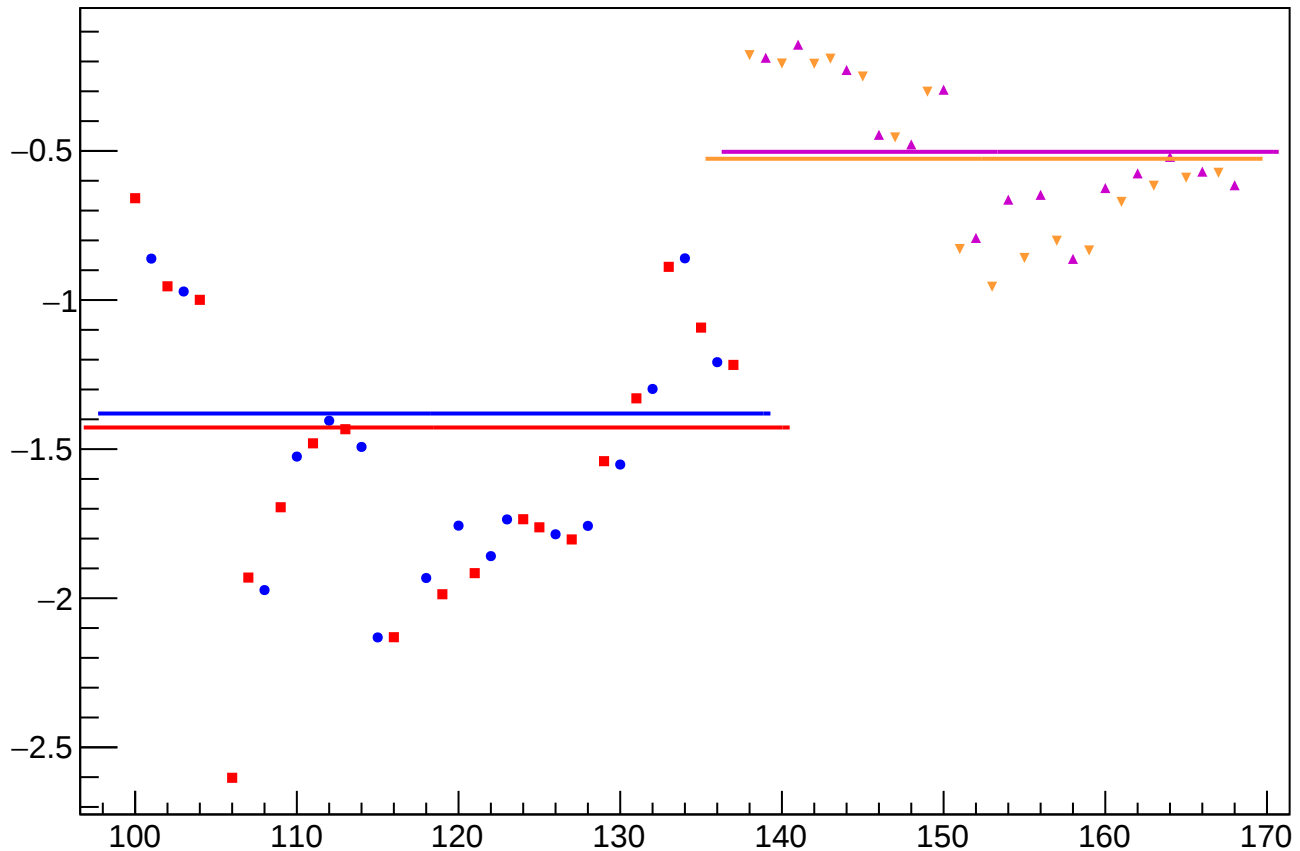
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:371520.0/14

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1665637.1/32

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3092392.5/66

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1426491.3/33

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.526+/-0.000 χ^2/NDF : 44582356936.9/15

+ sign -0.673+/-0.000 χ^2/NDF : 143068192907.1/32

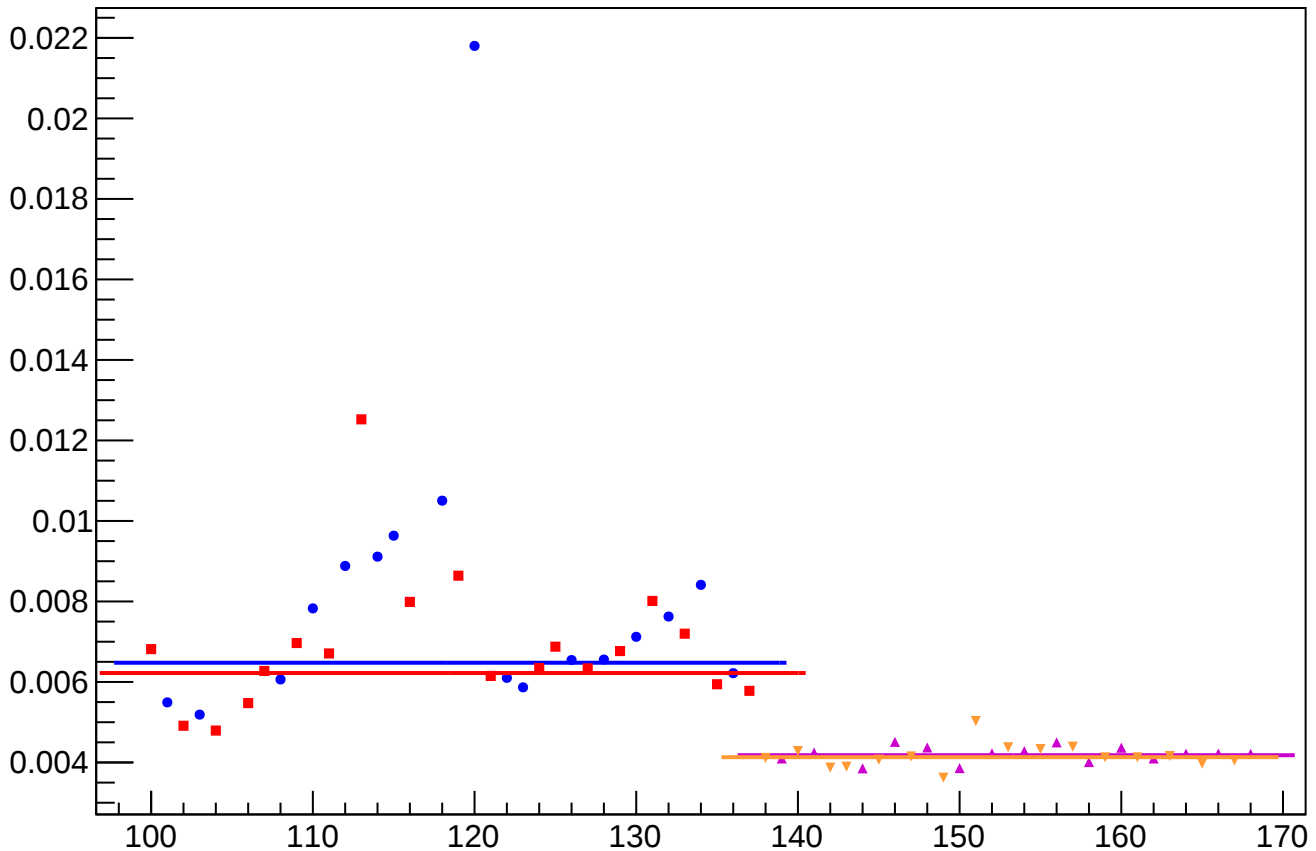
Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

All: -0.680+/-0.000 χ^2/NDF : 305471424976.7

Left In: -0.503+/-0.000 χ^2/NDF : 28825604018.6/14

- sign -0.688+/-0.000 χ^2/NDF : 162320093874.6/33

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 572678.4/16

Left Out: 0.004+/-0.000 χ^2/NDF : 89945.9/15

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

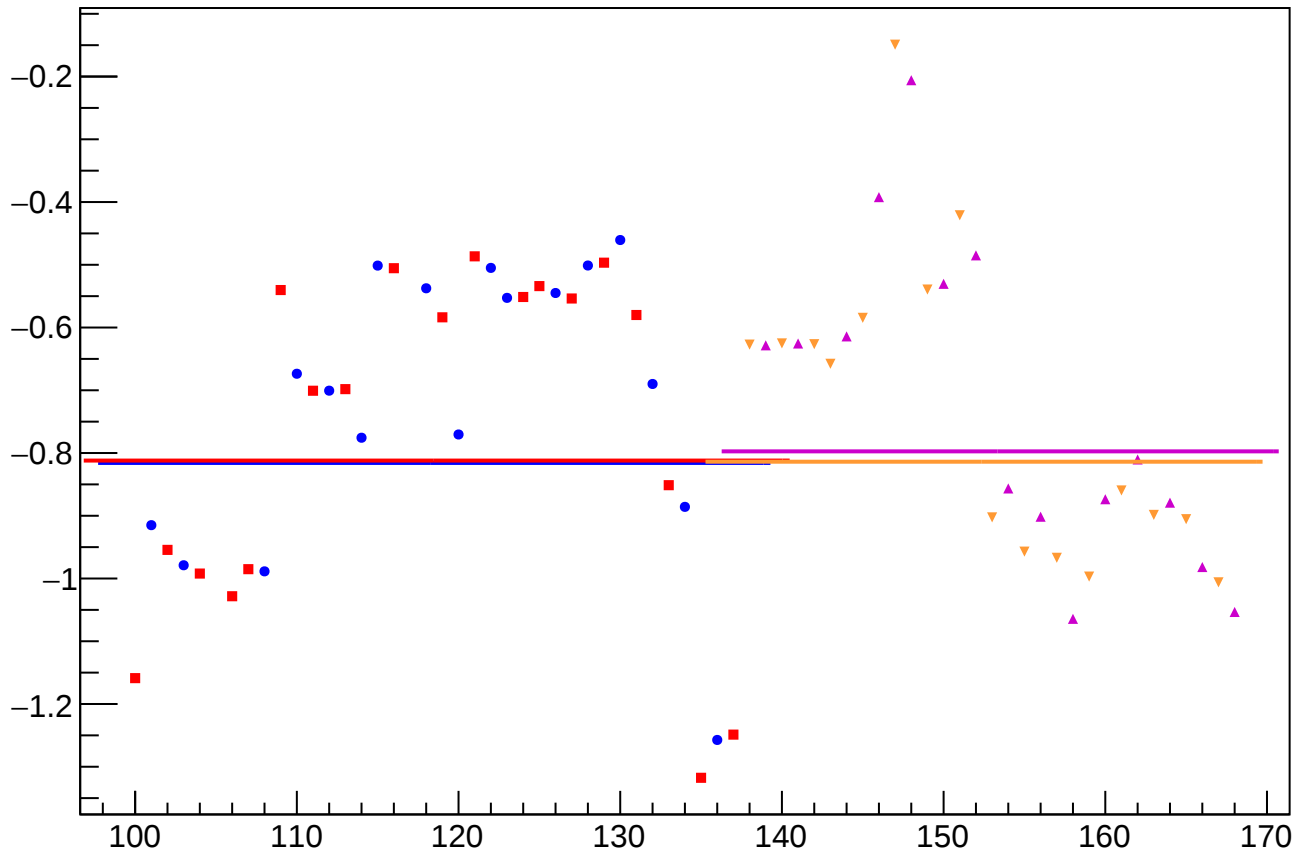
Left In: 0.004+/-0.000 χ^2/NDF : 46984.7/14

+ sign 0.005+/-0.000 χ^2/NDF : 1846493.5/32

All: 0.005+/-0.000 χ^2/NDF : 3332220.4/66

- sign 0.005+/-0.000 χ^2/NDF : 1483490.0/33

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.814+/-0.000 χ^2/NDF : 29352983112.3/15

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

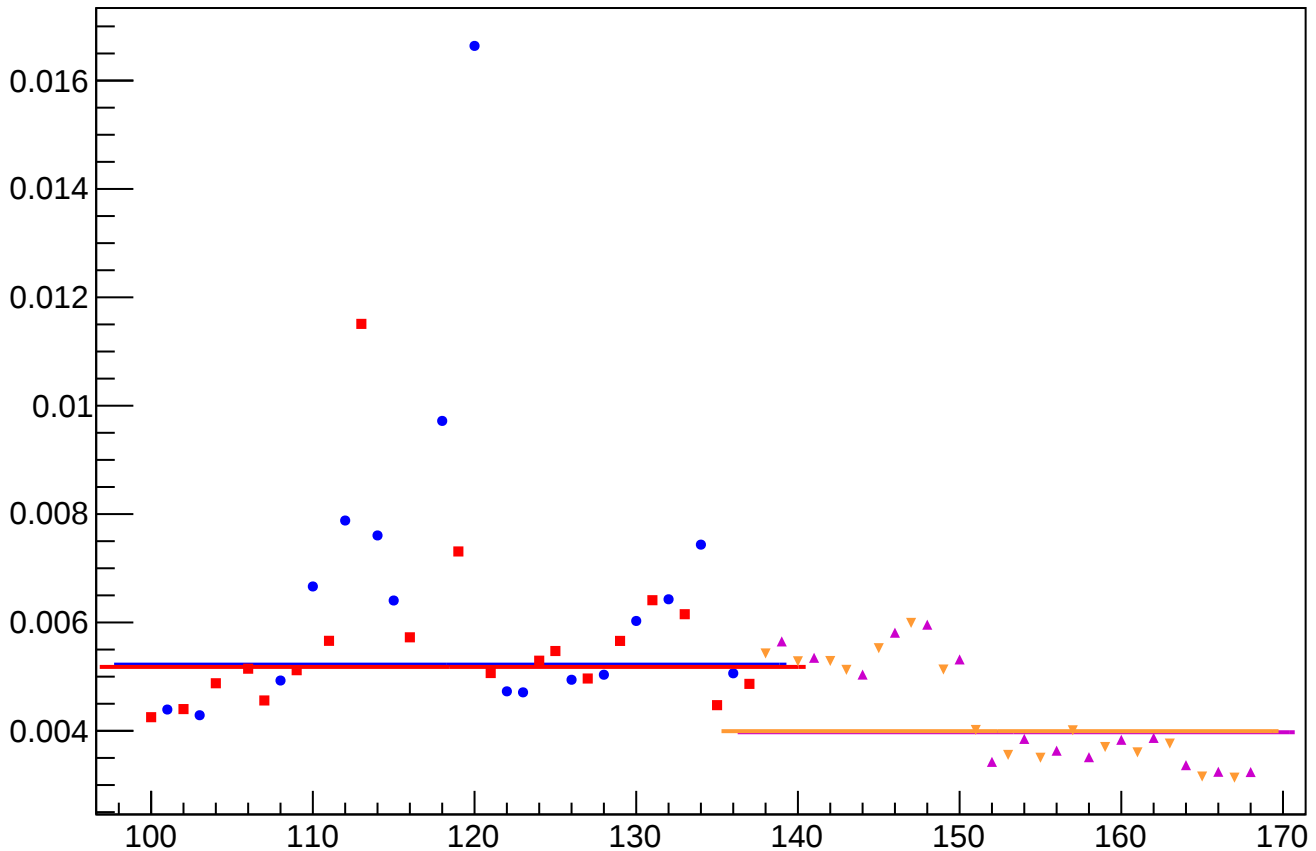
Left In: -0.797+/-0.000 χ^2/NDF : 34251448985.0/14

+ sign -0.814+/-0.000 χ^2/NDF : 43526441856.1/32

All: -0.808+/-0.000 χ^2/NDF : 94705165686.6

- sign -0.801+/-0.000 χ^2/NDF : 51102934347.8/33

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 664386.8/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 897193.6/15

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 363781.3/18

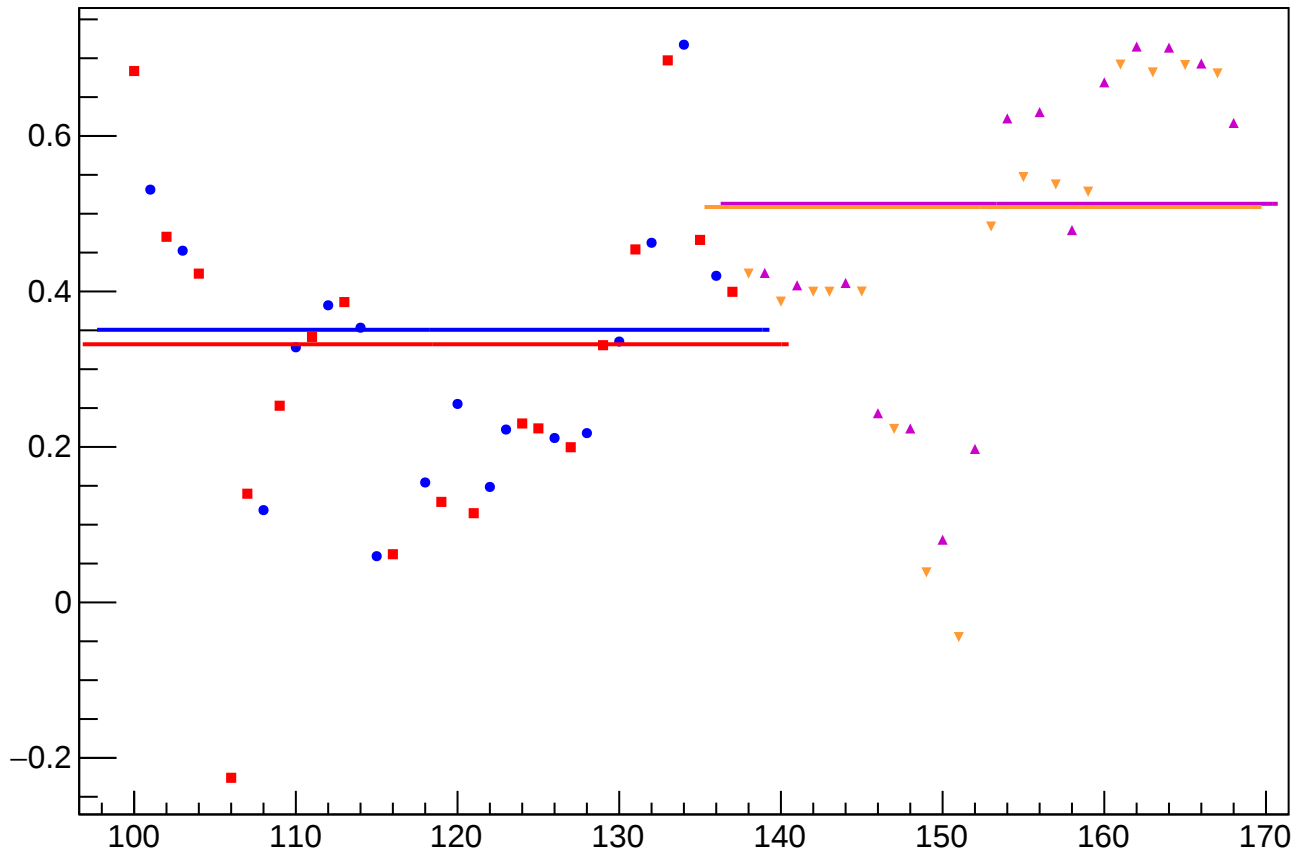
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 953596.4/14

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2015933.9/32

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 3815012.2/66

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1799078.2/33

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.509+/-0.000 χ^2/NDF : 37364219756.4/15

Right Out: 0.332+/-0.000 χ^2/NDF : 11796213425.9/18

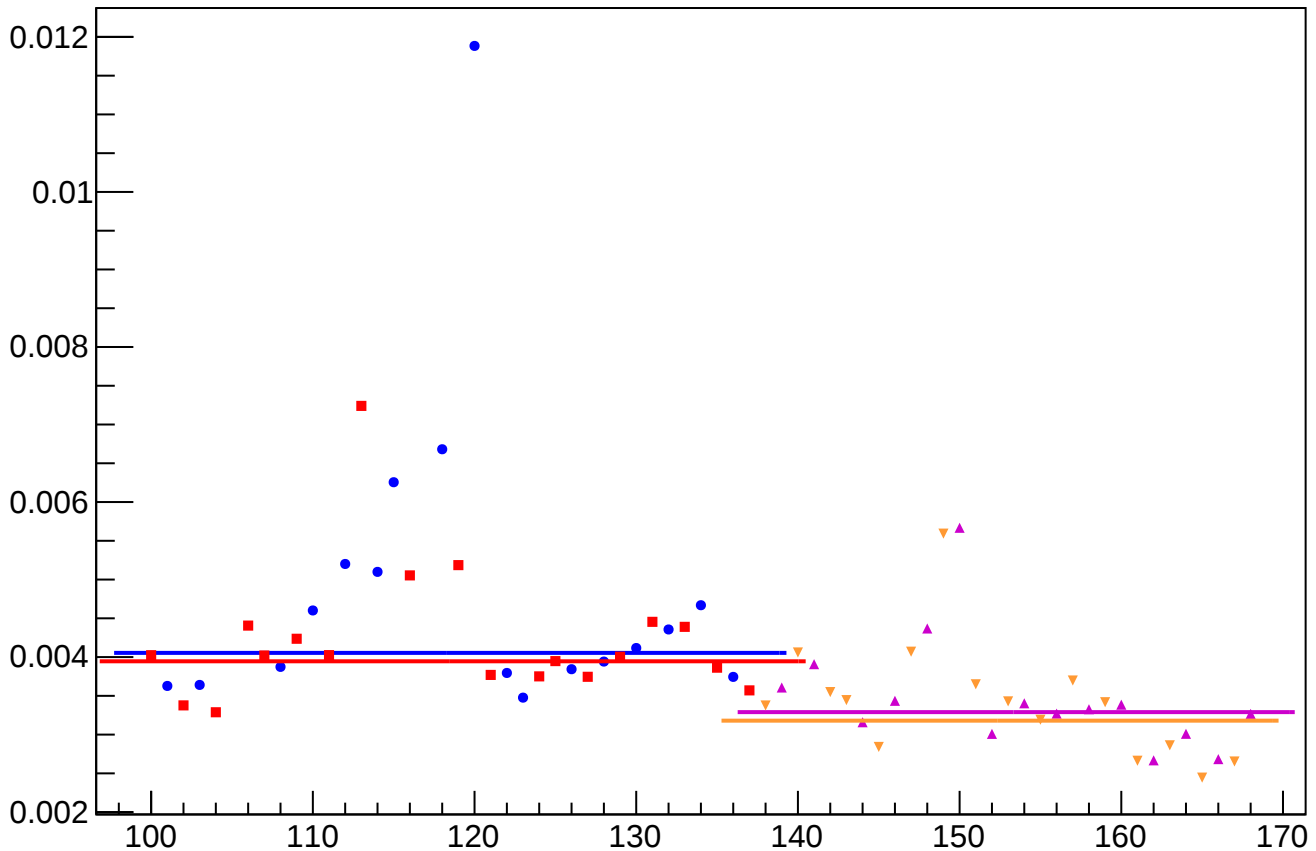
Left In: 0.513+/-0.000 χ^2/NDF : 34280090139.7/14

+ sign 0.468+/-0.000 χ^2/NDF : 51183921598.3/32

All: 0.464+/-0.000 χ^2/NDF : 106351389720.3

- sign 0.459+/-0.000 χ^2/NDF : 55120729895.5/33

yield_bpm0i07Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 455318.3/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 708139.9/15

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

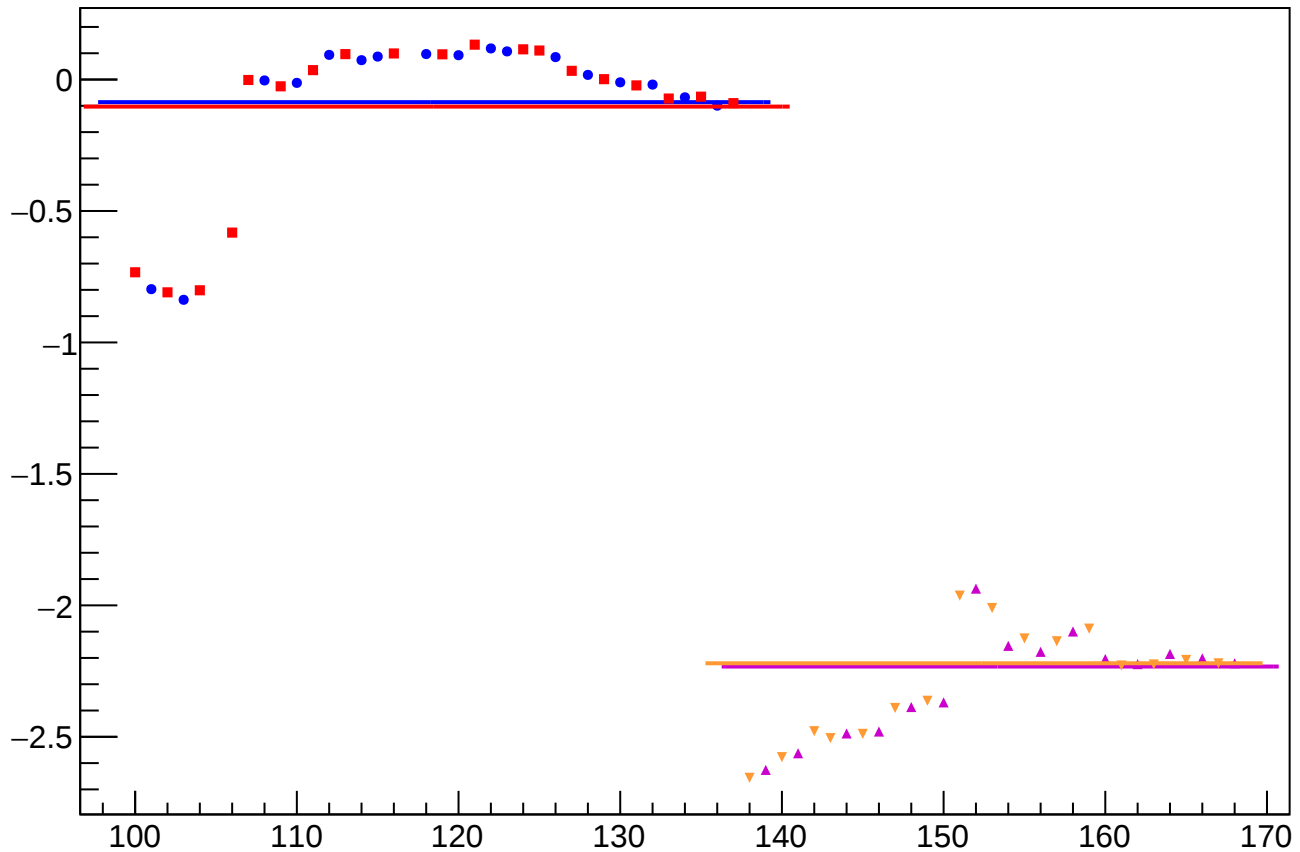
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 556873.4/14

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1556278.7/32

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2620242.4/66

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1055932.7/33

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.220+/-0.000 χ^2/NDF : 3414716430.6/15

Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

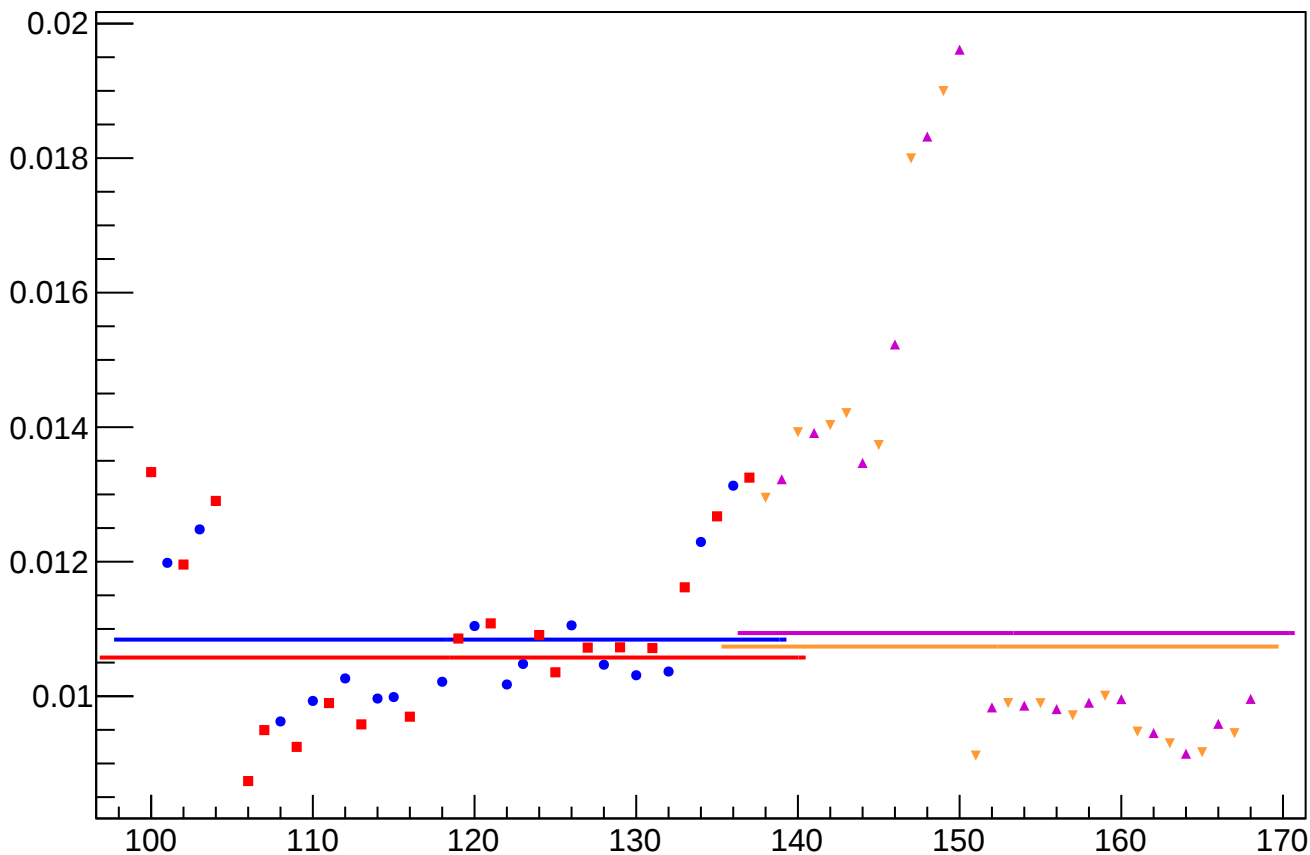
Left In: -2.233+/-0.000 χ^2/NDF : 2690609579.5/14

+ sign -1.437+/-0.000 χ^2/NDF : 171268705787.8/32

All: -1.404+/-0.000 χ^2/NDF : 349264275846.9

- sign -1.371+/-0.000 χ^2/NDF : 177659268395.0/33

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.011+/-0.000 χ^2/NDF :1103434.8/15

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

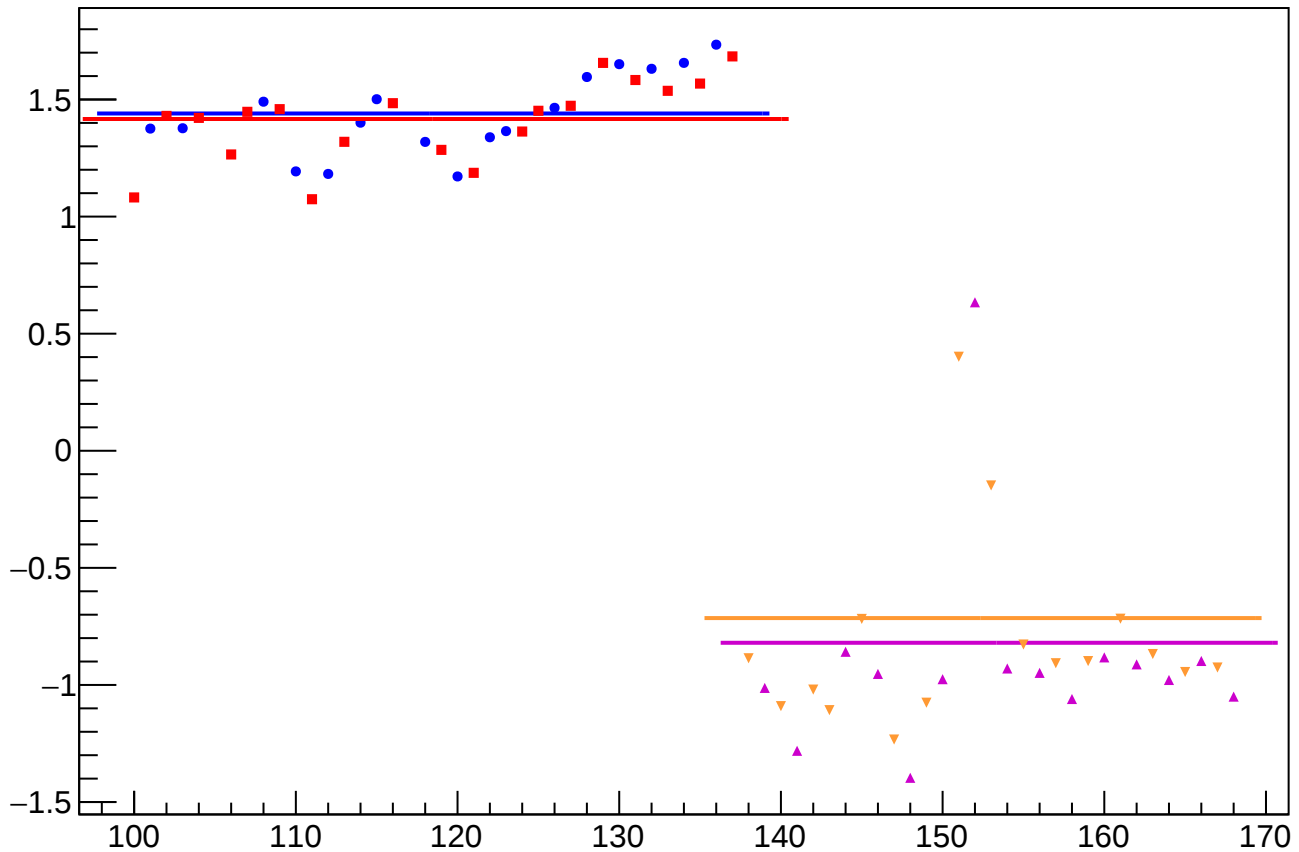
Left In: 0.011+/-0.000 χ^2/NDF :1118705.4/14

+ sign 0.011+/-0.000 χ^2/NDF : 1228467.0/32

All: 0.011+/-0.000 χ^2/NDF : 2536091.8/66

- sign 0.011+/-0.000 χ^2/NDF : 1307584.7/33

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.714 $\pm$ 0.000 χ^2 /NDF: 30950599941.0/15

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

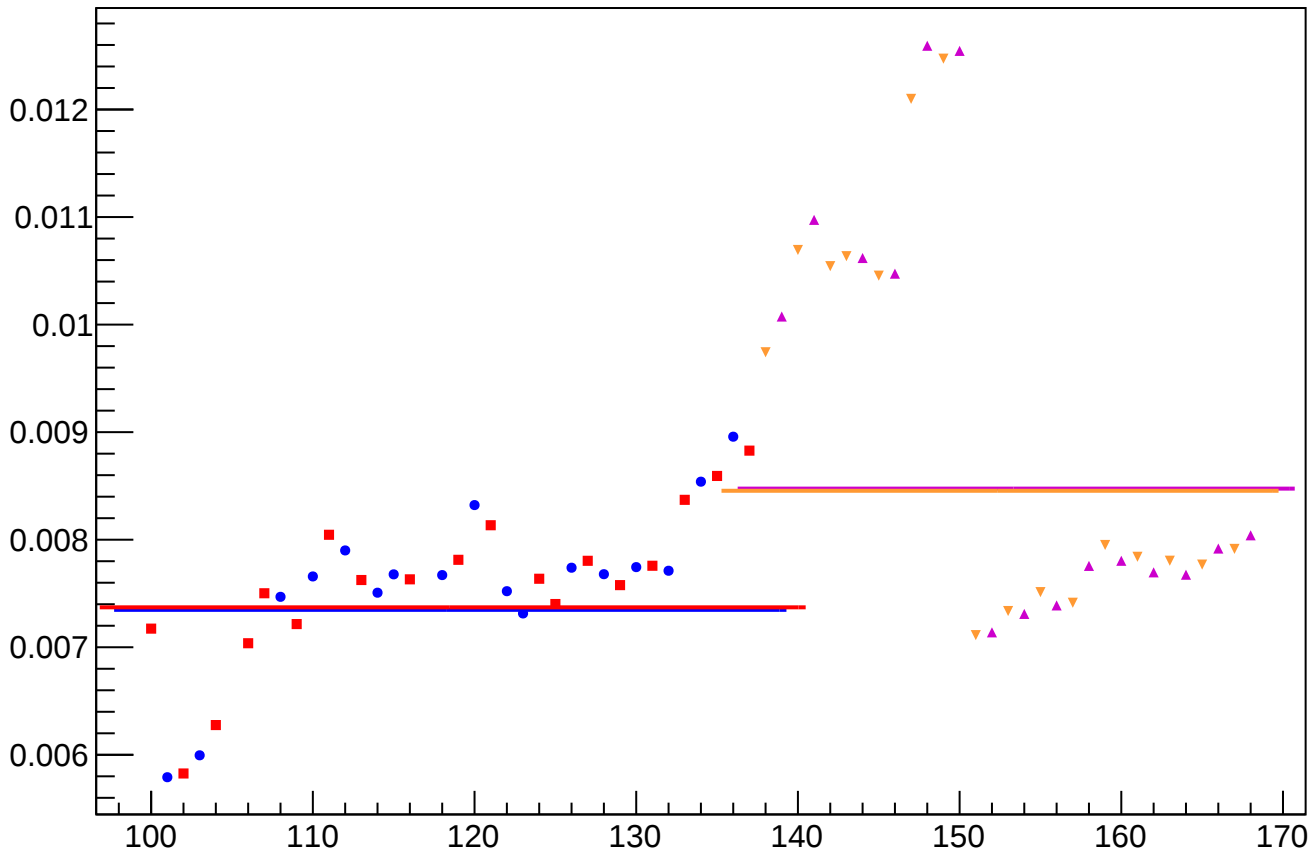
Left In: -0.820 $\pm$ 0.000 χ^2 /NDF: 40320486868.1/14

+ sign 0.218 $\pm$ 0.000 χ^2 /NDF: 355711775176.6/32

All: 0.205 $\pm$ 0.000 χ^2 /NDF: 752611099983.1

- sign 0.192 $\pm$ 0.000 χ^2 /NDF: 396799022466.0/33

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 228163.6/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 738915.4/15

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 172689.5/18

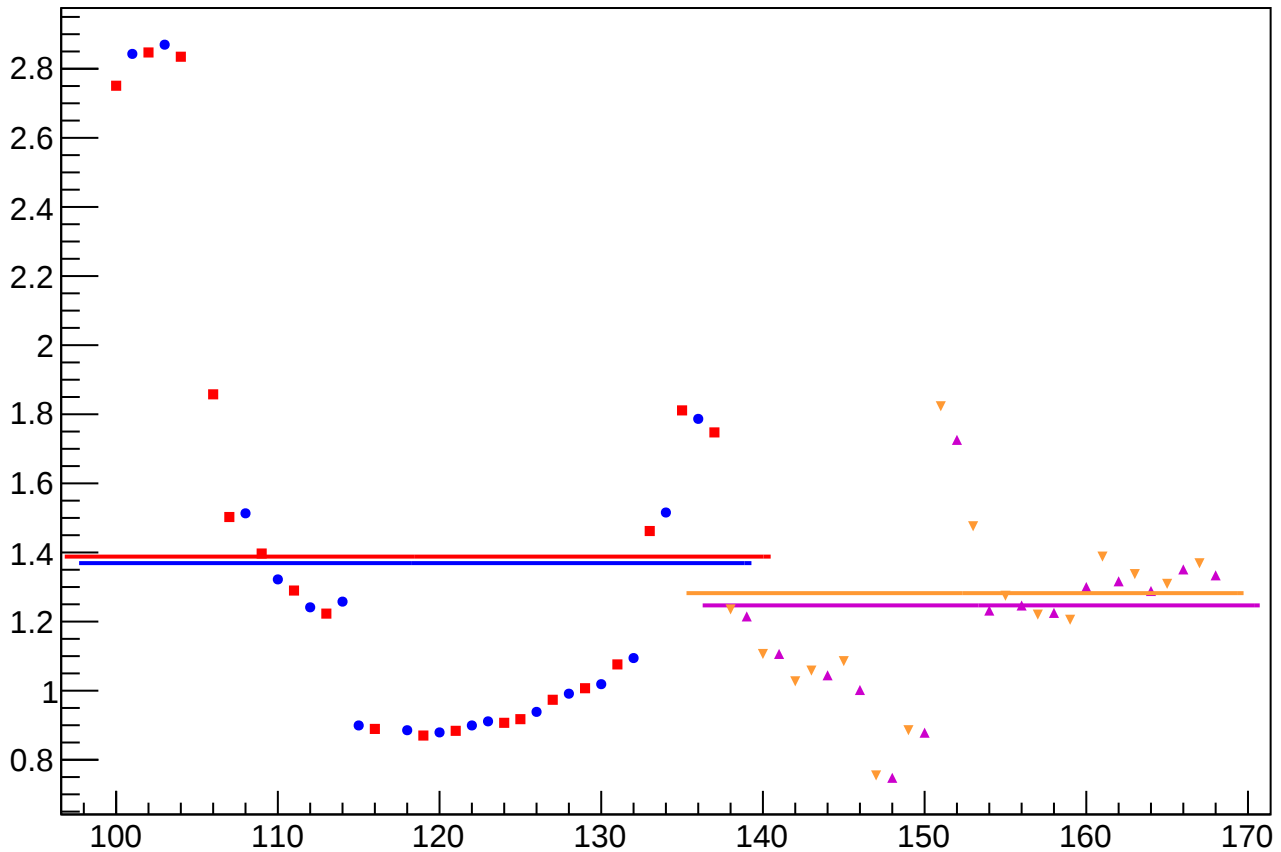
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 801844.5/14

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 1136741.5/32

All: 0.008 $\pm$ 0.000 χ^2/NDF : 2283603.6/66

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 1146862.1/33

yield_bpm1i04X_mean vs Slug



Right In: 1.369 ± 0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.282 ± 0.000 χ^2/NDF : 9115161597.1/15

Right Out: 1.388 ± 0.000 χ^2/NDF : 49900245868.0/18

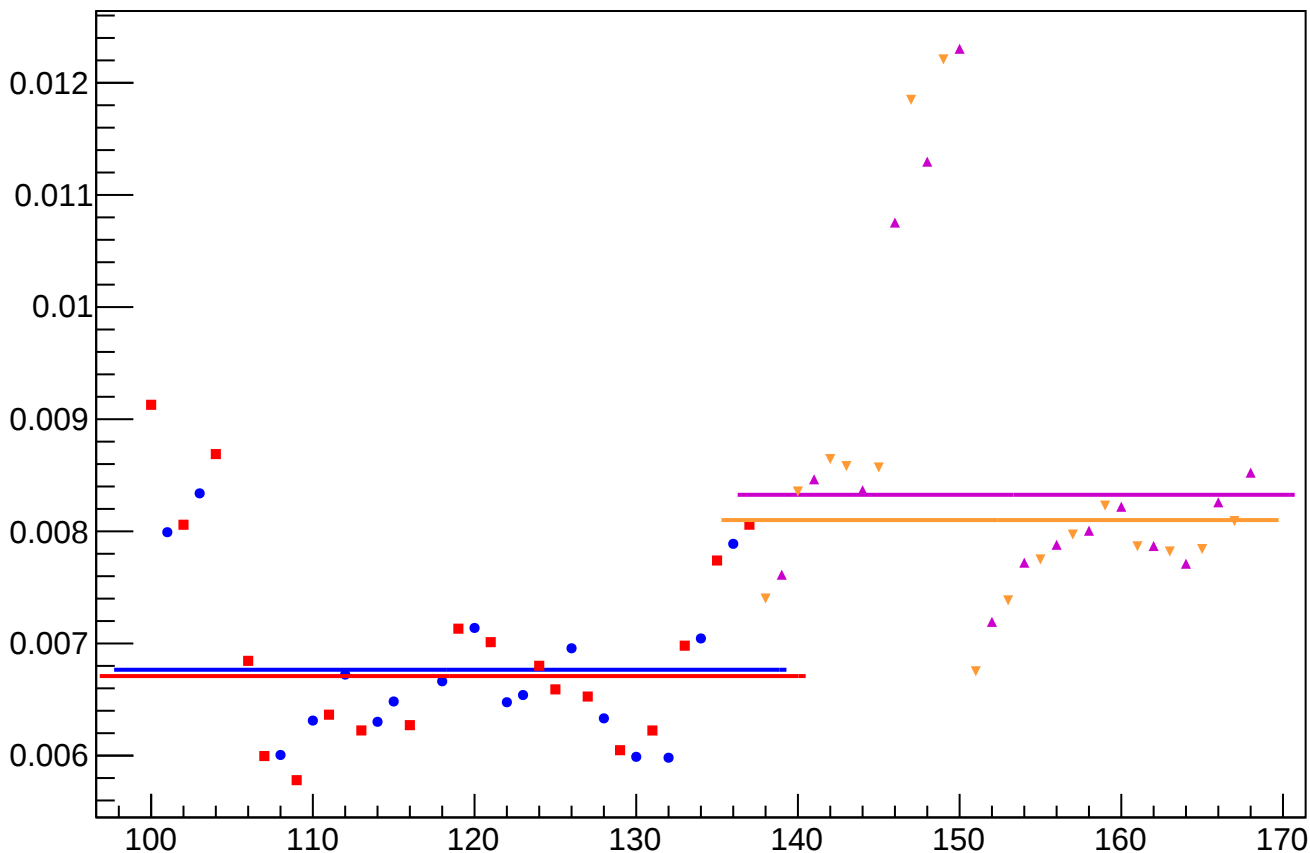
Left In: 1.247 ± 0.000 χ^2/NDF : 7233513892.8/14

+ sign 1.322 ± 0.000 χ^2/NDF : 63912822291.8/32

All: 1.319 ± 0.000 χ^2/NDF : 122629178139.1

- sign 1.316 ± 0.000 χ^2/NDF : 58711025554.1/33

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 411128.8/15

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

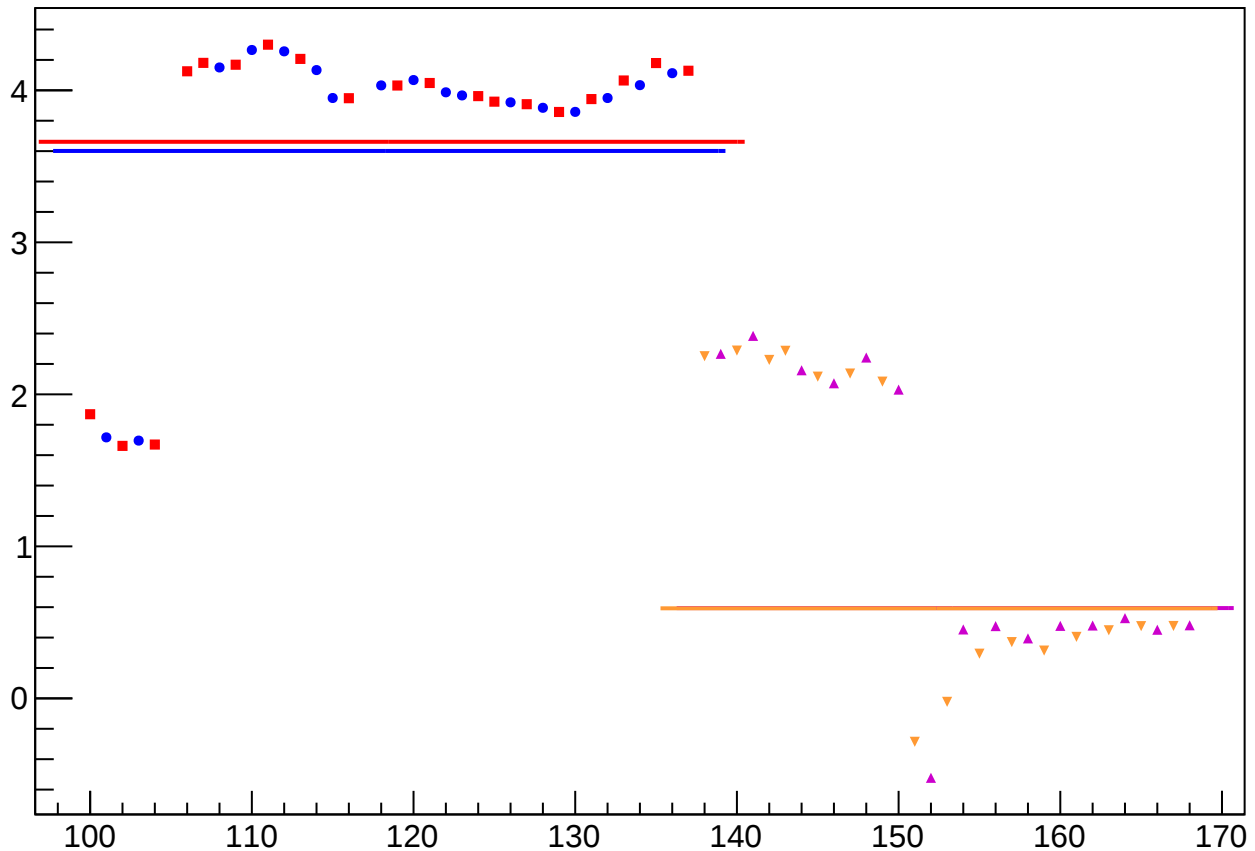
Left In: 0.008+/-0.000 χ^2/NDF : 428897.2/14

+ sign 0.007+/-0.000 χ^2/NDF : 850284.9/32

All: 0.008+/-0.000 χ^2/NDF : 1881042.2/66

- sign 0.008+/-0.000 χ^2/NDF : 1030217.5/33

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.592+/-0.000 χ^2/NDF : 256975837621.7/15

Right Out: 3.661+/-0.000 χ^2/NDF : 192519897222.5/18

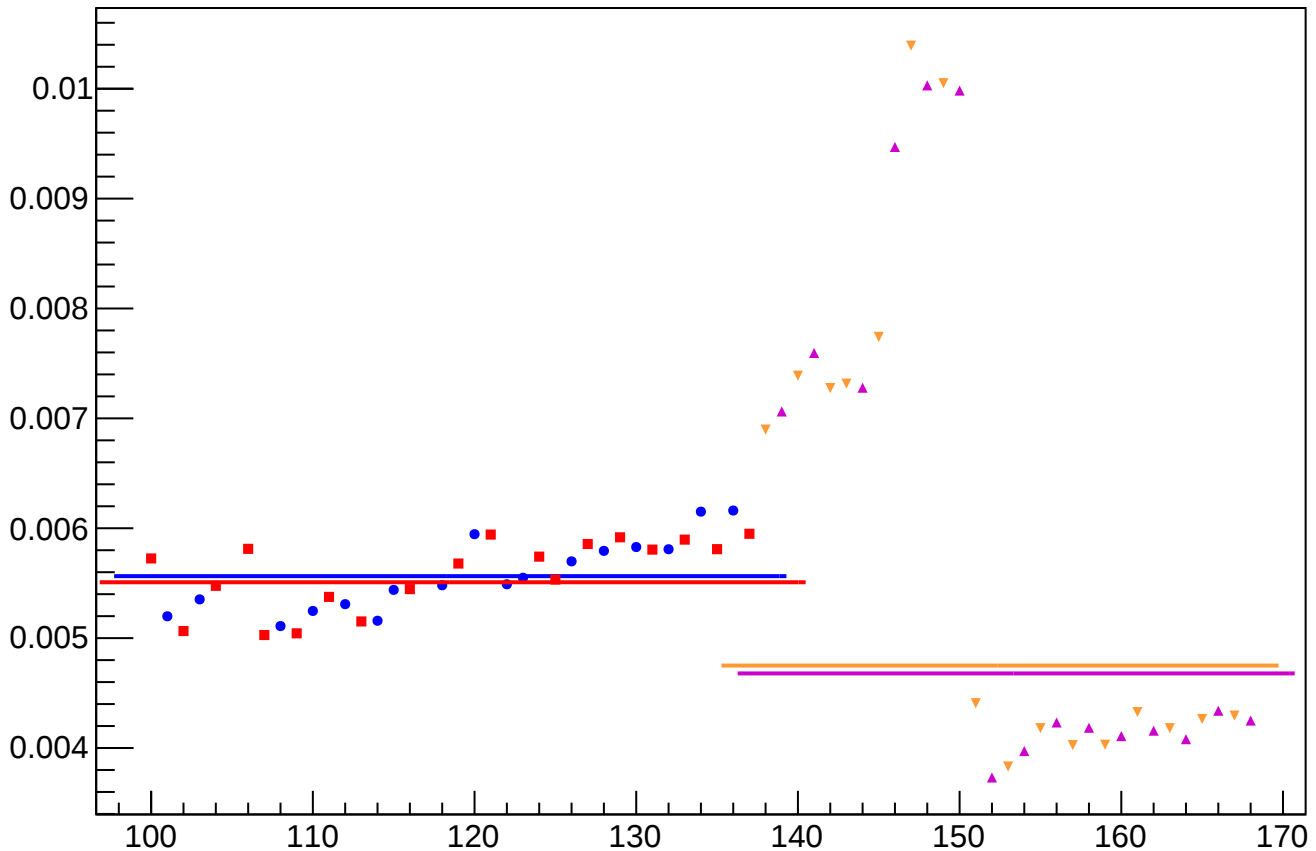
Left In: 0.594+/-0.000 χ^2/NDF : 253503406588.4/14

+ sign 1.556+/-0.000 χ^2/NDF : 1771108407000.3/32

All: 1.582+/-0.000 χ^2/NDF : 3662439735857.

- sign 1.607+/-0.000 χ^2/NDF : 1890446939429.1/33

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.005+/-0.000 χ^2/NDF :1915377.5/15

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

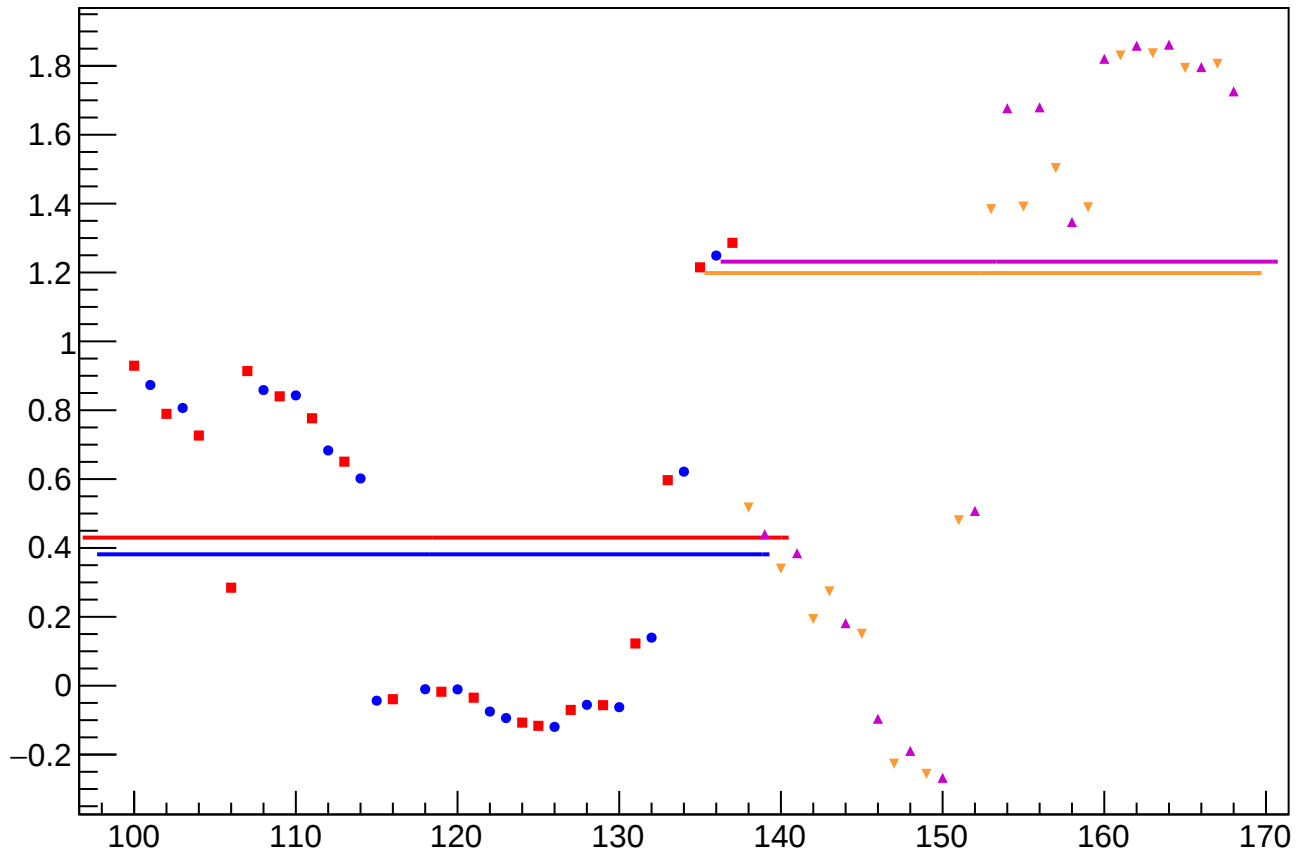
Left In: 0.005+/-0.000 χ^2/NDF :2120479.6/14

+ sign 0.005+/-0.000 χ^2/NDF : 2157333.0/32

All: 0.005+/-0.000 χ^2/NDF : 4544108.1/66

- sign 0.005+/-0.000 χ^2/NDF : 2384466.0/33

yield_bpm1i06X_mean vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2/NDF : 7124759123.1/16

Left Out: 1.198 $\pm$ 0.000 χ^2/NDF : 37969663963.4/15

Right Out: 0.430 $\pm$ 0.000 χ^2/NDF : 6676199135.9/18

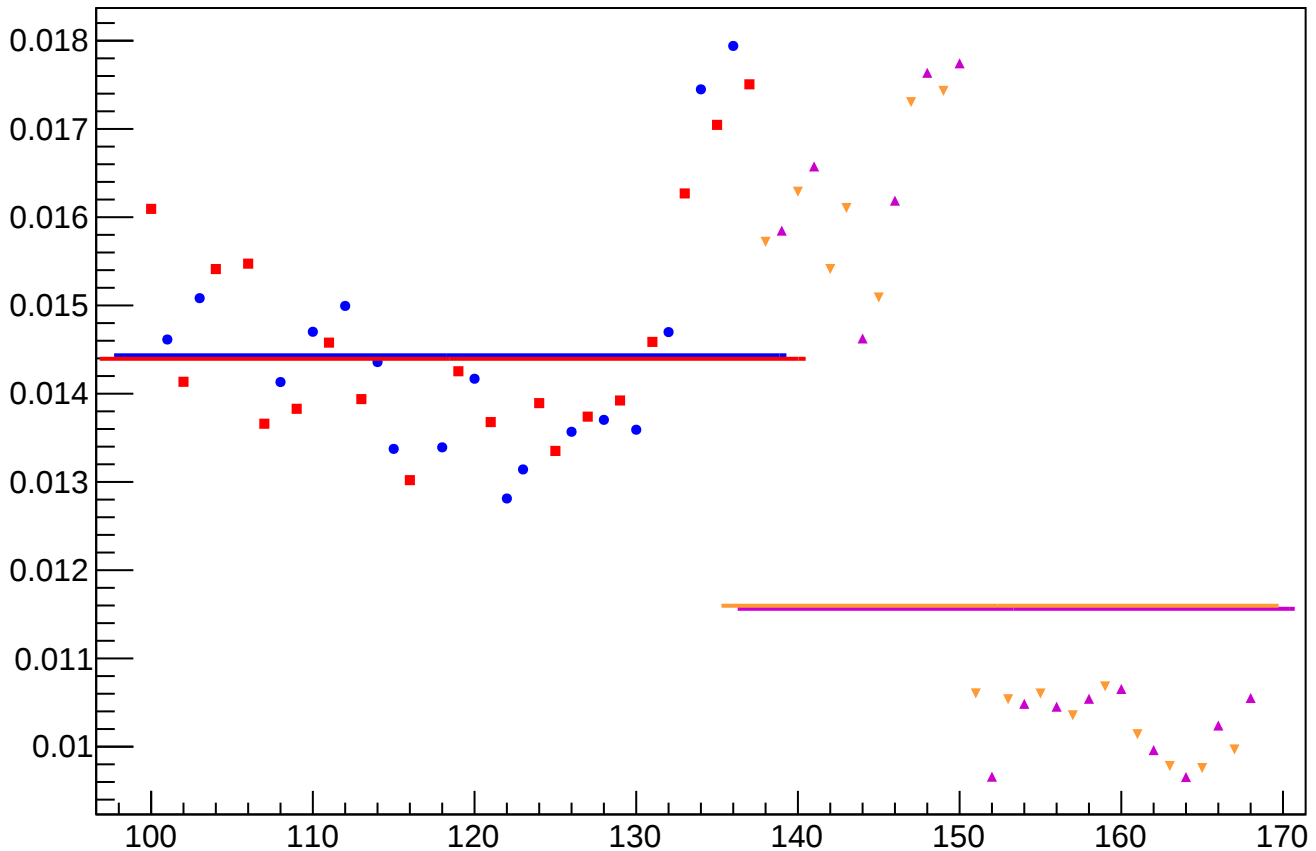
Left In: 1.231 $\pm$ 0.000 χ^2/NDF : 43841044843.7/14

+ sign 0.972 $\pm$ 0.000 χ^2/NDF : 60433149489.7/32

All: 0.986 $\pm$ 0.000 χ^2/NDF : 126293952407.9

- sign 1.000 $\pm$ 0.000 χ^2/NDF : 65817054749.2/33

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.012+/-0.000 χ^2/NDF :1053668.8/15

Right Out: 0.014+/-0.000 χ^2/NDF : 74531.6/18

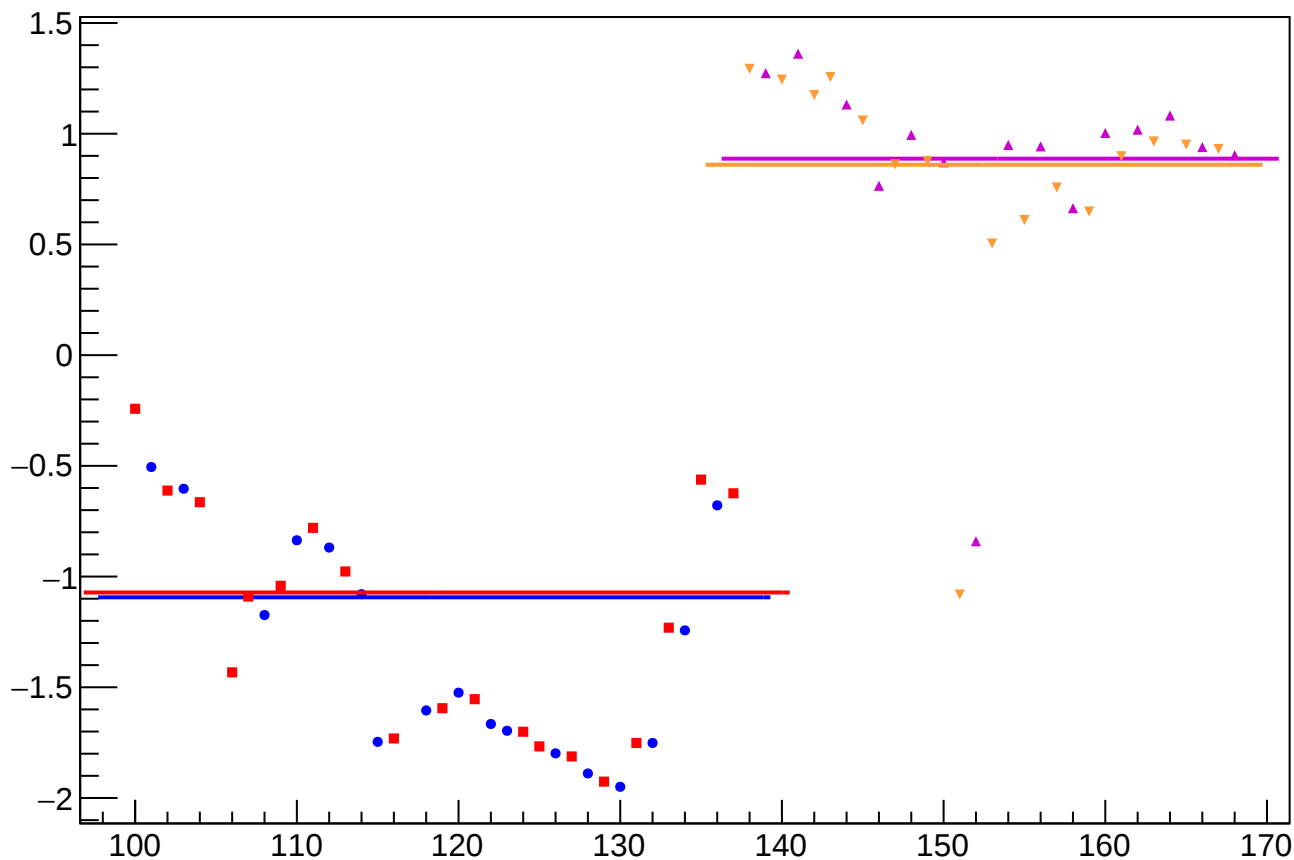
Left In: 0.012+/-0.000 χ^2/NDF :1095294.9/14

+ sign 0.012+/-0.000 χ^2/NDF : 1534155.6/32

All: 0.012+/-0.000 χ^2/NDF : 3086386.2/66

- sign 0.012+/-0.000 χ^2/NDF : 1552230.5/33

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.860+/-0.000 χ^2/NDF : 124766622851.2/15

Right Out: -1.072+/-0.000 χ^2/NDF : 46896017480.0/18

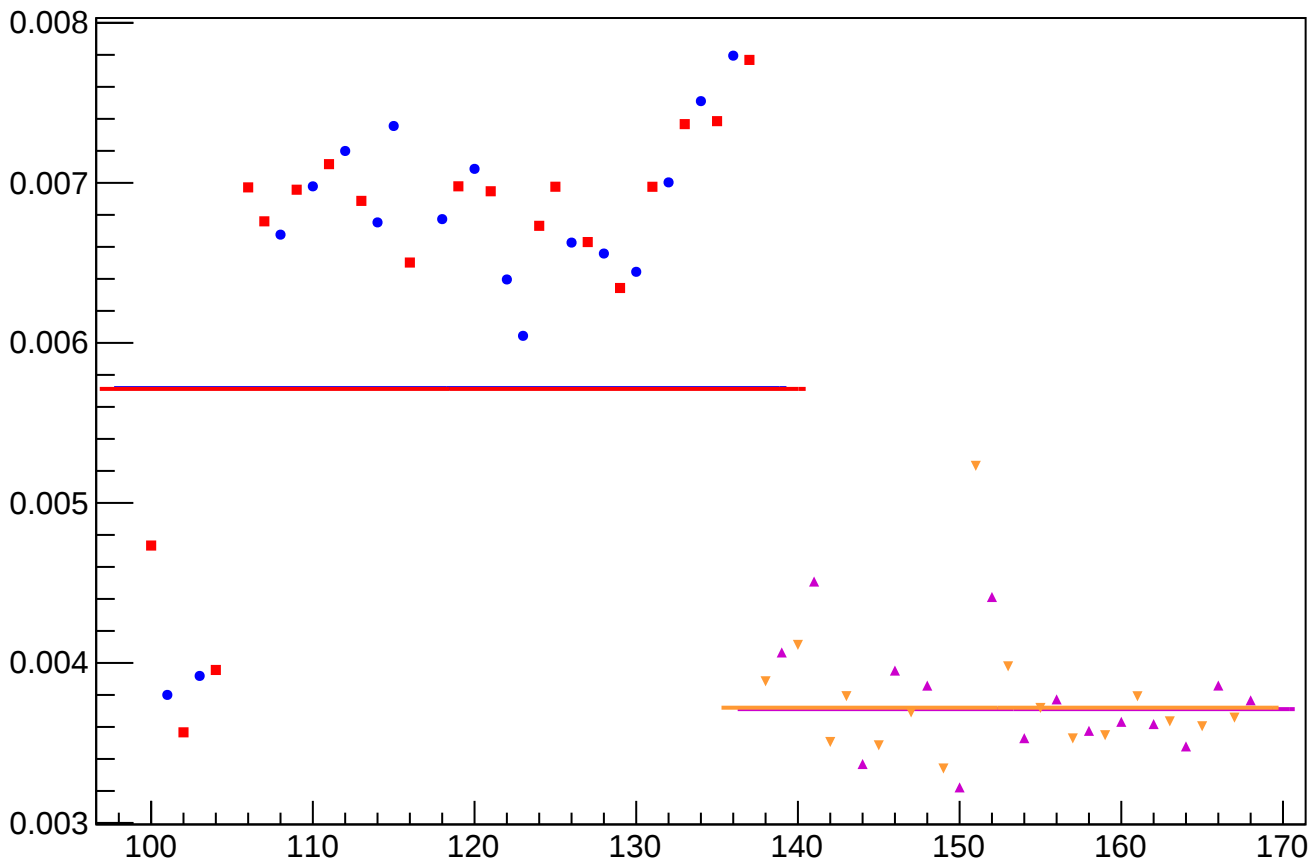
Left In: 0.887+/-0.000 χ^2/NDF : 145722006356.5/14

+ sign 0.486+/-0.000 χ^2/NDF : 741273230892.3/32

All: 0.492+/-0.000 χ^2/NDF : 1514517439315.

- sign 0.497+/-0.000 χ^2/NDF : 773183978404.2/33

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837775.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 161286.6/15

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 923899.1/18

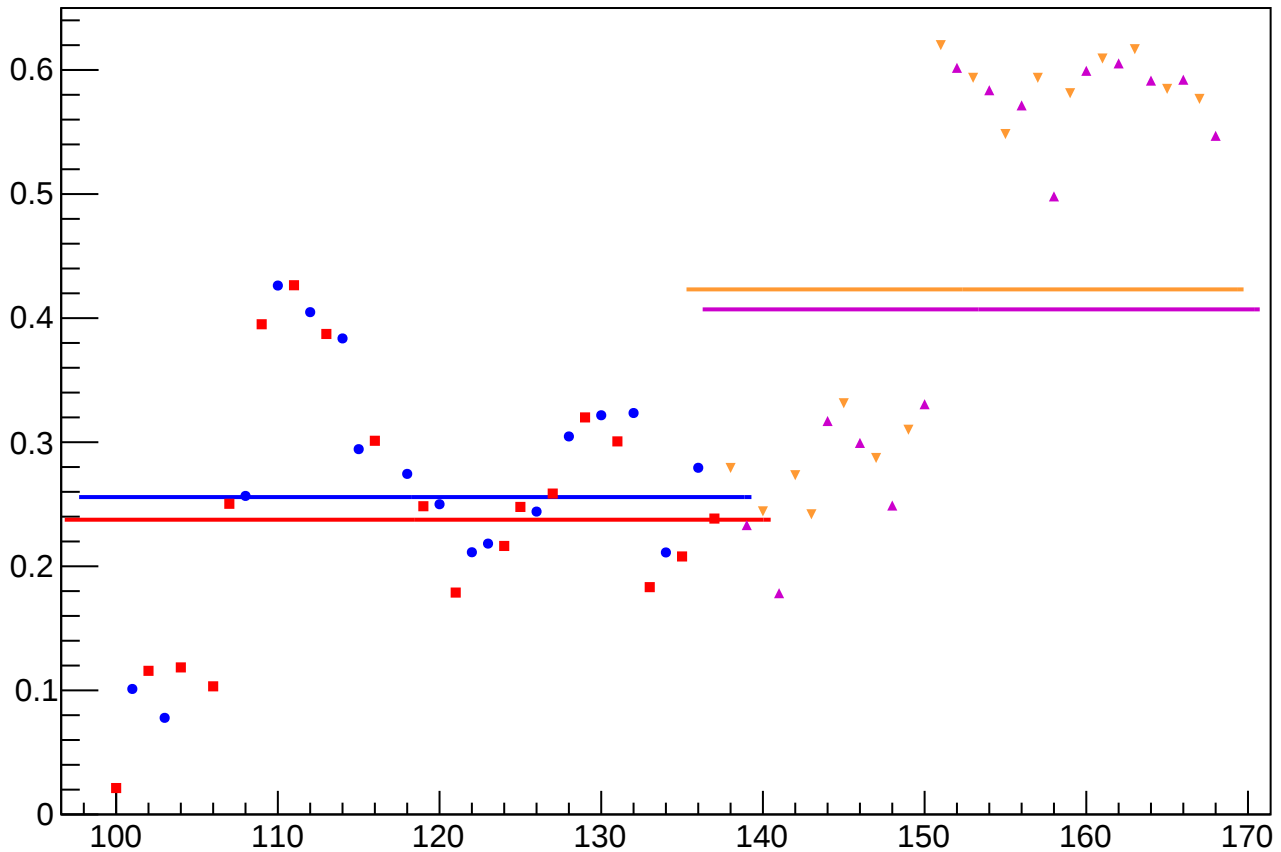
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 170763.7/14

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2170777.5/32

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4476837.0/66

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2306010.4/33

yield_bpm2i01X_mean vs Slug



Right In: 0.256 $\pm$ 0.000 χ^2 /NDF: 21365489849.4/16

Left Out: 0.423 $\pm$ 0.000 χ^2 /NDF: 79863358294.0/15

+ sign 0.351 $\pm$ 0.000 χ^2 /NDF: 140122117358.3/32

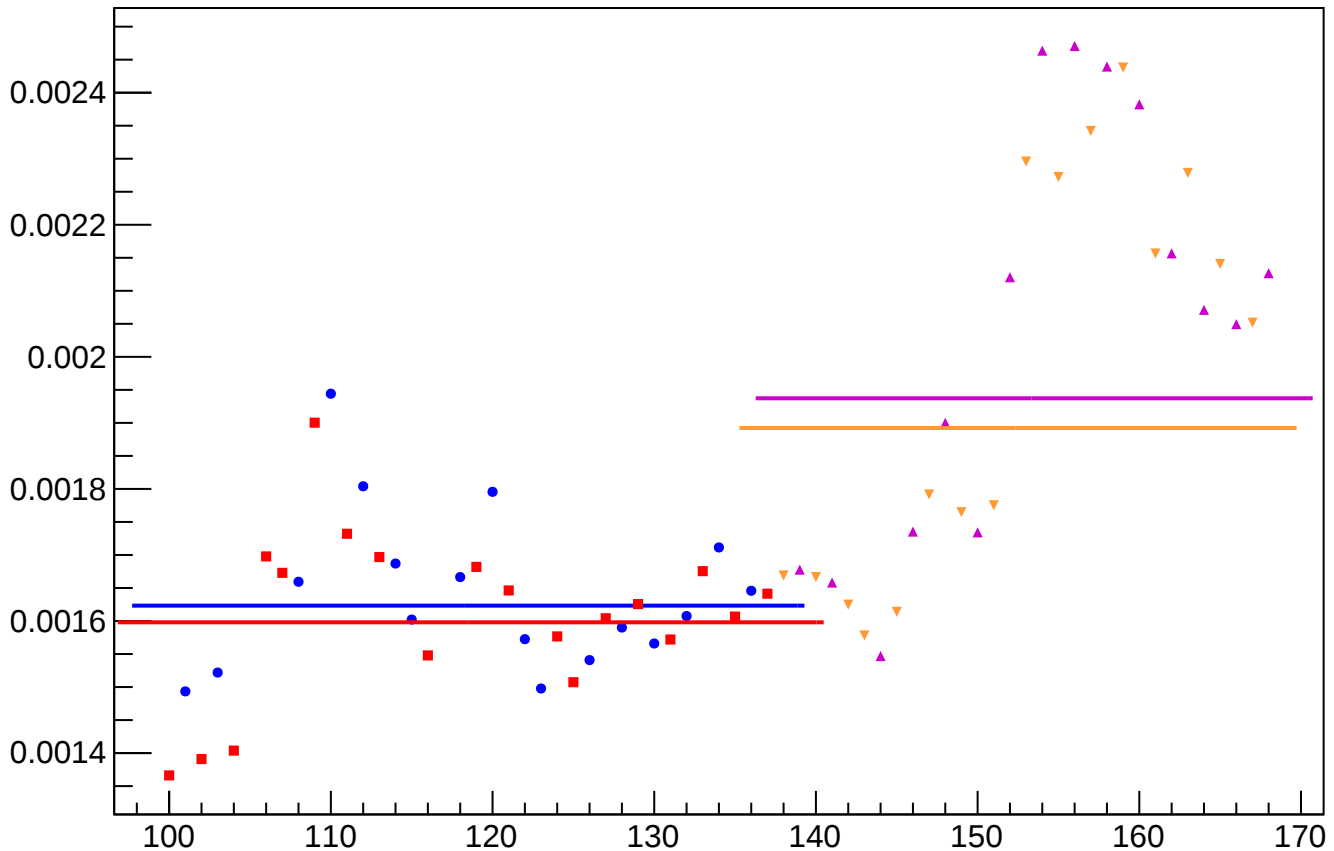
Right Out: 0.238 $\pm$ 0.000 χ^2 /NDF: 26057284646.9/18

All: 0.338 $\pm$ 0.000 χ^2 /NDF: 284580316726.4

Left In: 0.407 $\pm$ 0.000 χ^2 /NDF: 75779006979.1/14

- sign 0.326 $\pm$ 0.000 χ^2 /NDF: 142727101499.3/33

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 52468.7/16

Left Out: 0.002+/-0.000 χ^2/NDF : 518088.9/15

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

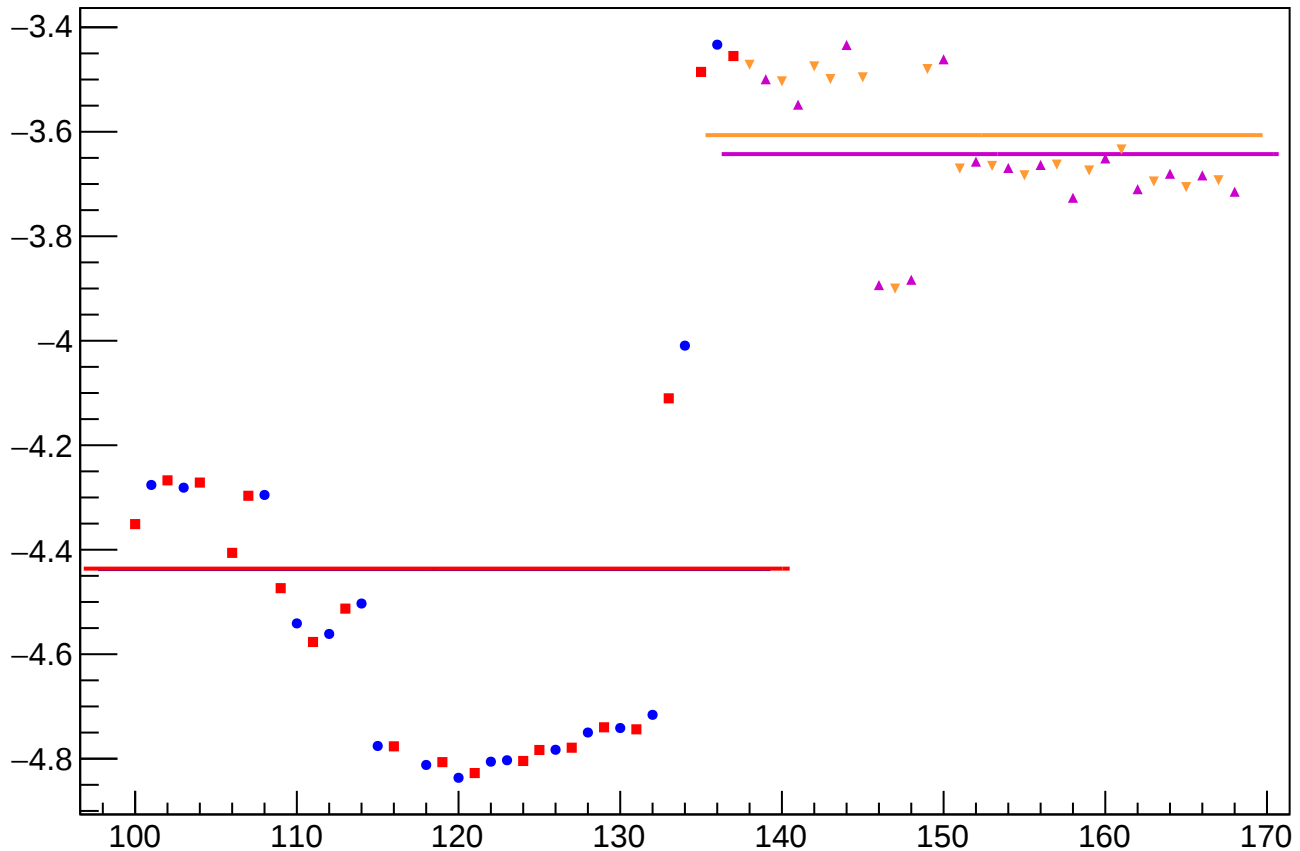
Left In: 0.002+/-0.000 χ^2/NDF : 553336.9/14

+ sign 0.002+/-0.000 χ^2/NDF : 771394.0/32

All: 0.002+/-0.000 χ^2/NDF : 1742935.7/66

- sign 0.002+/-0.000 χ^2/NDF : 971539.1/33

yield_bpm2i01Y_mean vs Slug



Right In: -4.437 $\pm$ 0.000 χ^2 /NDF: 392812415429.0/16

Left Out: -3.606 $\pm$ 0.000 χ^2 /NDF: 33927412860.7/15

Right Out: -4.436 $\pm$ 0.000 χ^2 /NDF: 325183860699.4/18

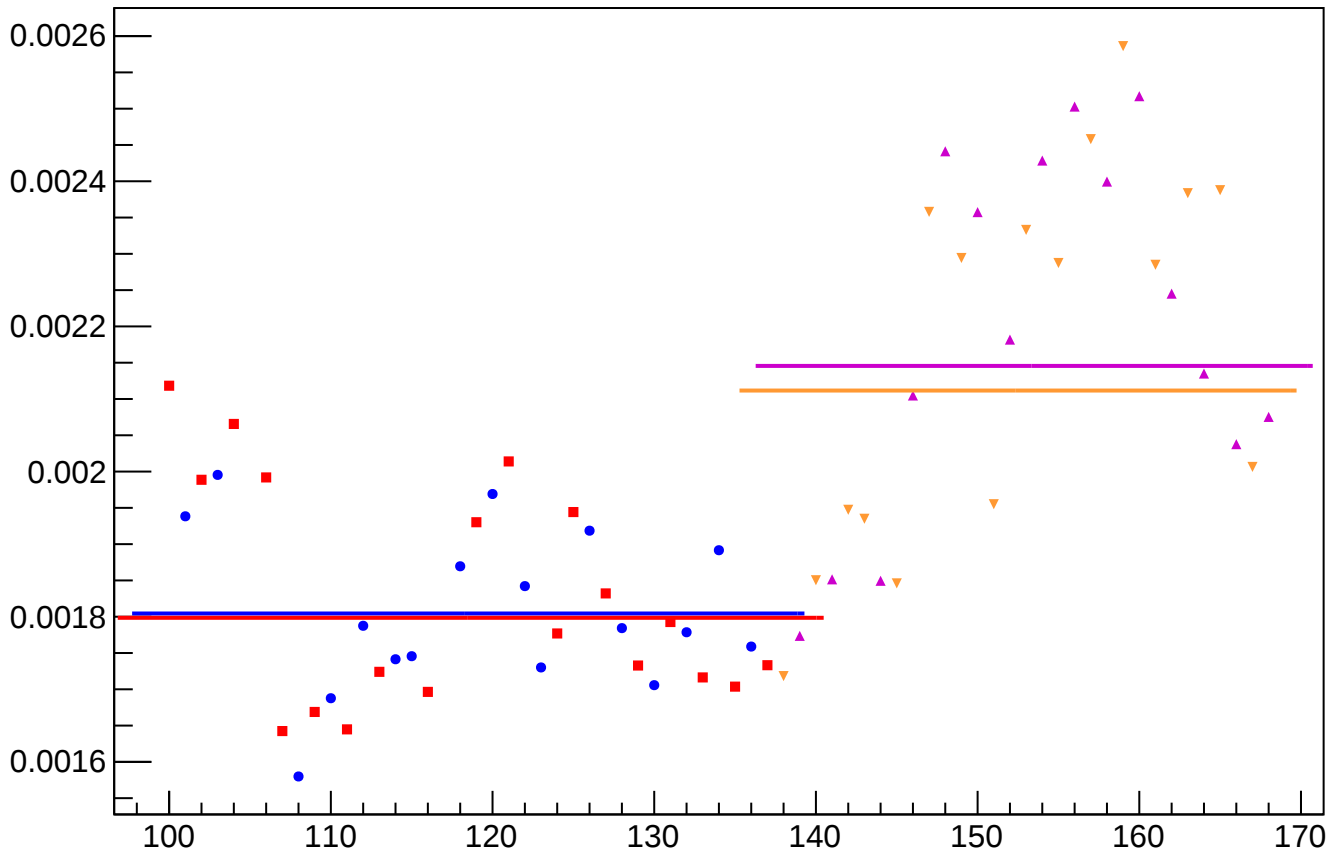
Left In: -3.643 $\pm$ 0.000 χ^2 /NDF: 44093621528.0/14

+ sign -3.971 $\pm$ 0.000 χ^2 /NDF: 1200573058599.7/3

All: -3.991 $\pm$ 0.000 χ^2 /NDF: 2290688090563

- sign -4.011 $\pm$ 0.000 χ^2 /NDF: 1086478455633.1/3

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 49103.2/16

Left Out: 0.002+/-0.000 χ^2/NDF : 342678.4/15

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

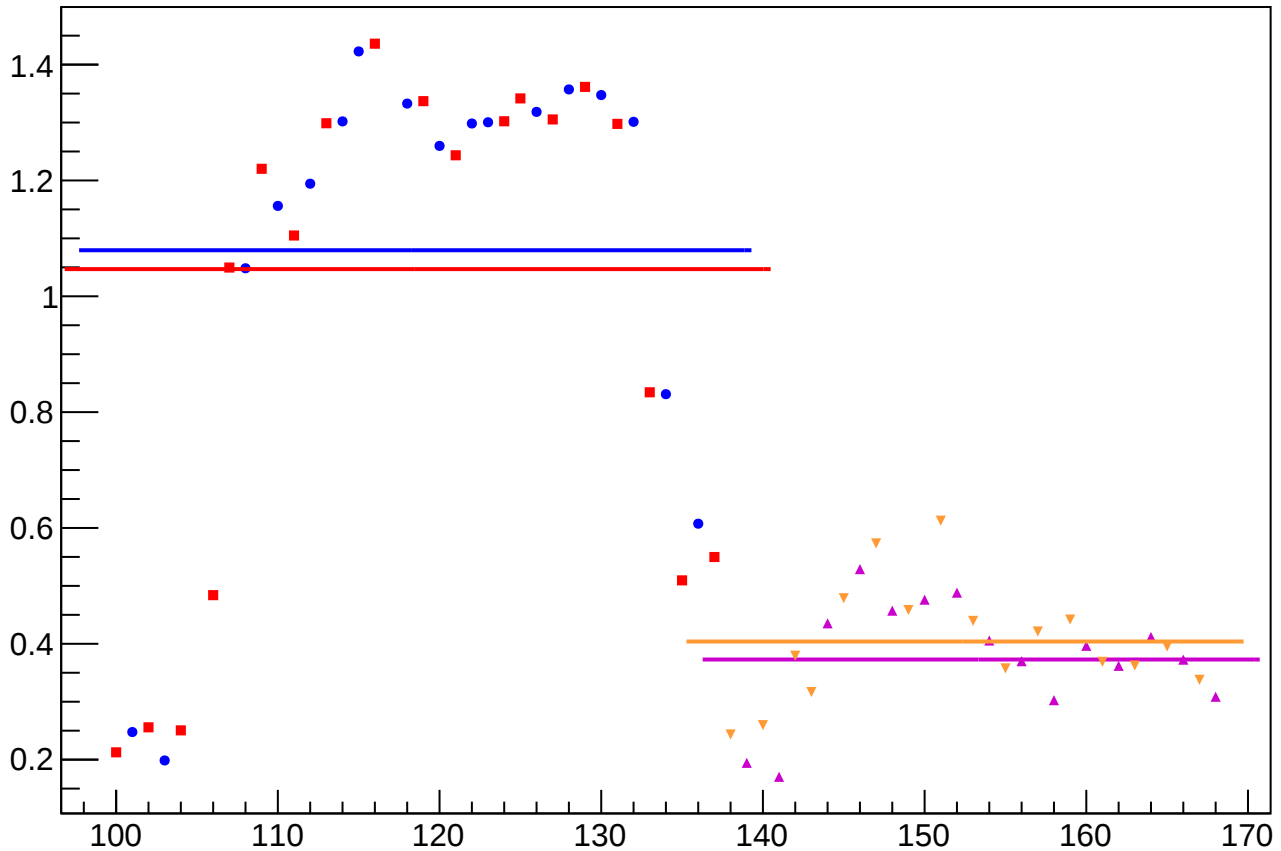
Left In: 0.002+/-0.000 χ^2/NDF : 295292.2/14

+ sign 0.002+/-0.000 χ^2/NDF : 603536.0/32

All: 0.002+/-0.000 χ^2/NDF : 1254556.1/66

- sign 0.002+/-0.000 χ^2/NDF : 650744.1/33

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.404 $\pm$ 0.000 χ^2 /NDF: 1262902708.4/15

+ sign 0.730 $\pm$ 0.000 χ^2 /NDF: 47700734296.2/32

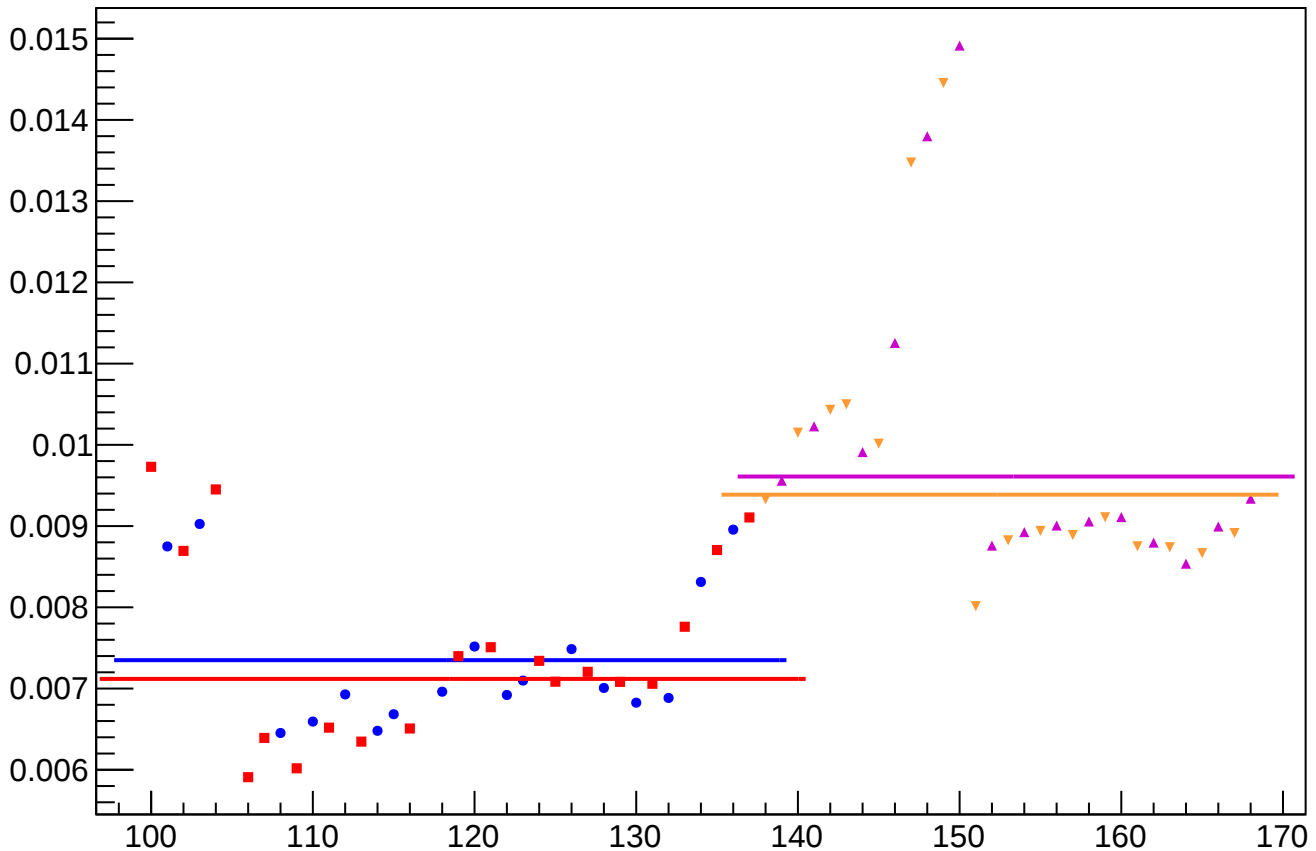
Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

All: 0.729 $\pm$ 0.000 χ^2 /NDF: 98009207392.9/6

Left In: 0.373 $\pm$ 0.000 χ^2 /NDF: 1087704174.6/14

- sign 0.729 $\pm$ 0.000 χ^2 /NDF: 50308314575.5/33

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 470153.1/15

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

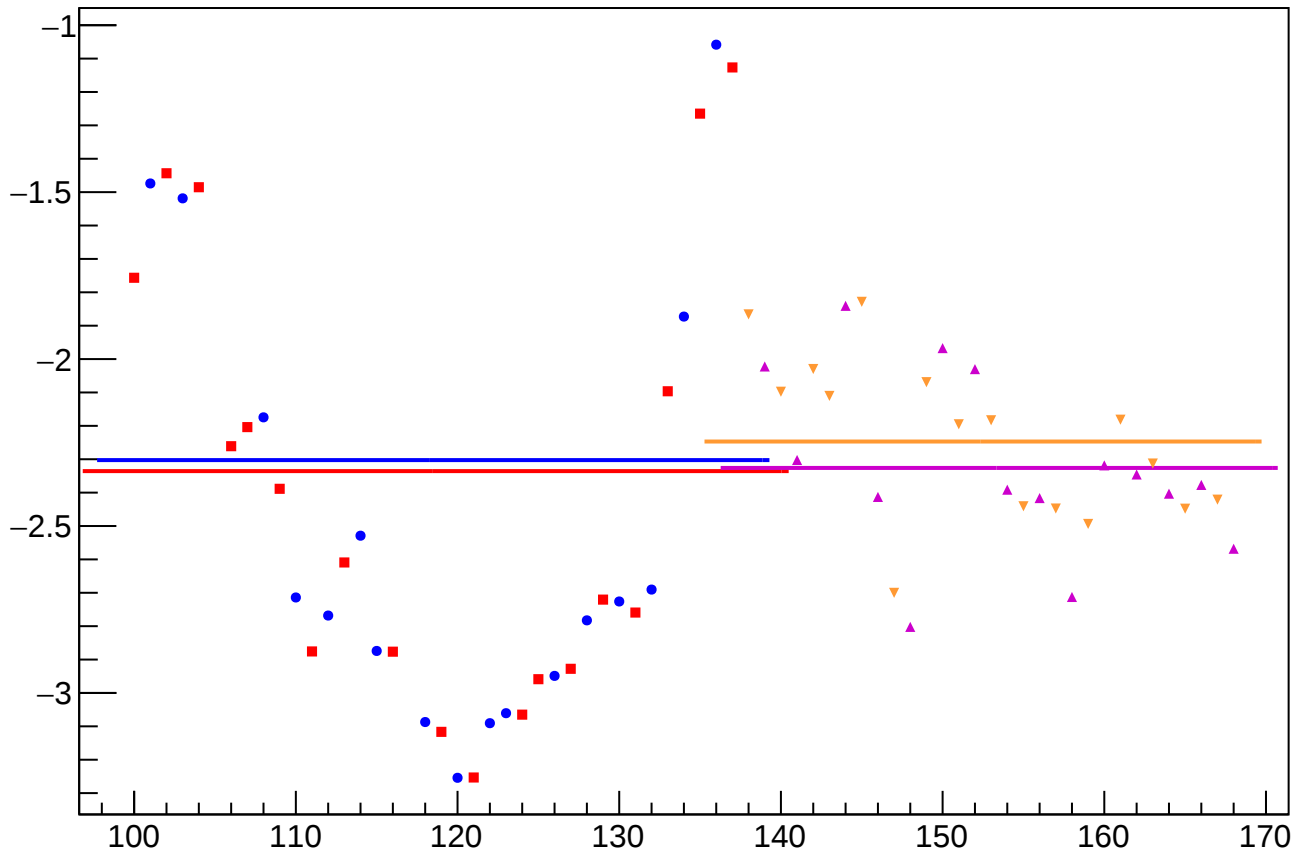
Left In: 0.010+/-0.000 χ^2/NDF : 488793.0/14

+ sign 0.008+/-0.000 χ^2/NDF : 1176602.7/32

All: 0.008+/-0.000 χ^2/NDF : 2734586.9/66

- sign 0.008+/-0.000 χ^2/NDF : 1554937.0/33

yield_bpm2i02Y_mean vs Slug



Right In: -2.303 ± 0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.247 ± 0.000 χ^2/NDF : 7738029312.7/15

Right Out: -2.336 ± 0.000 χ^2/NDF : 64499162456.4/18

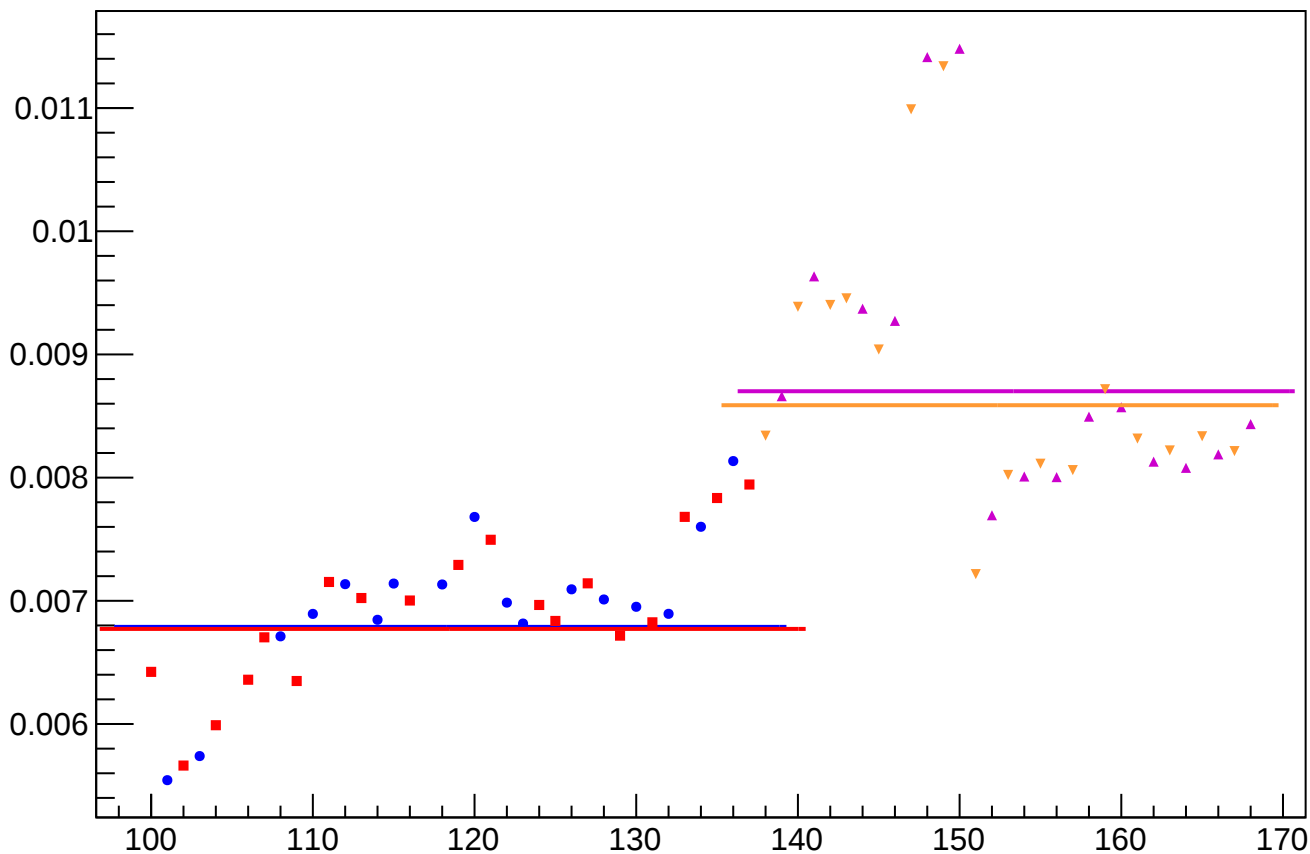
Left In: -2.326 ± 0.000 χ^2/NDF : 9296296697.2/14

+ sign -2.273 ± 0.000 χ^2/NDF : 81727588176.6/32

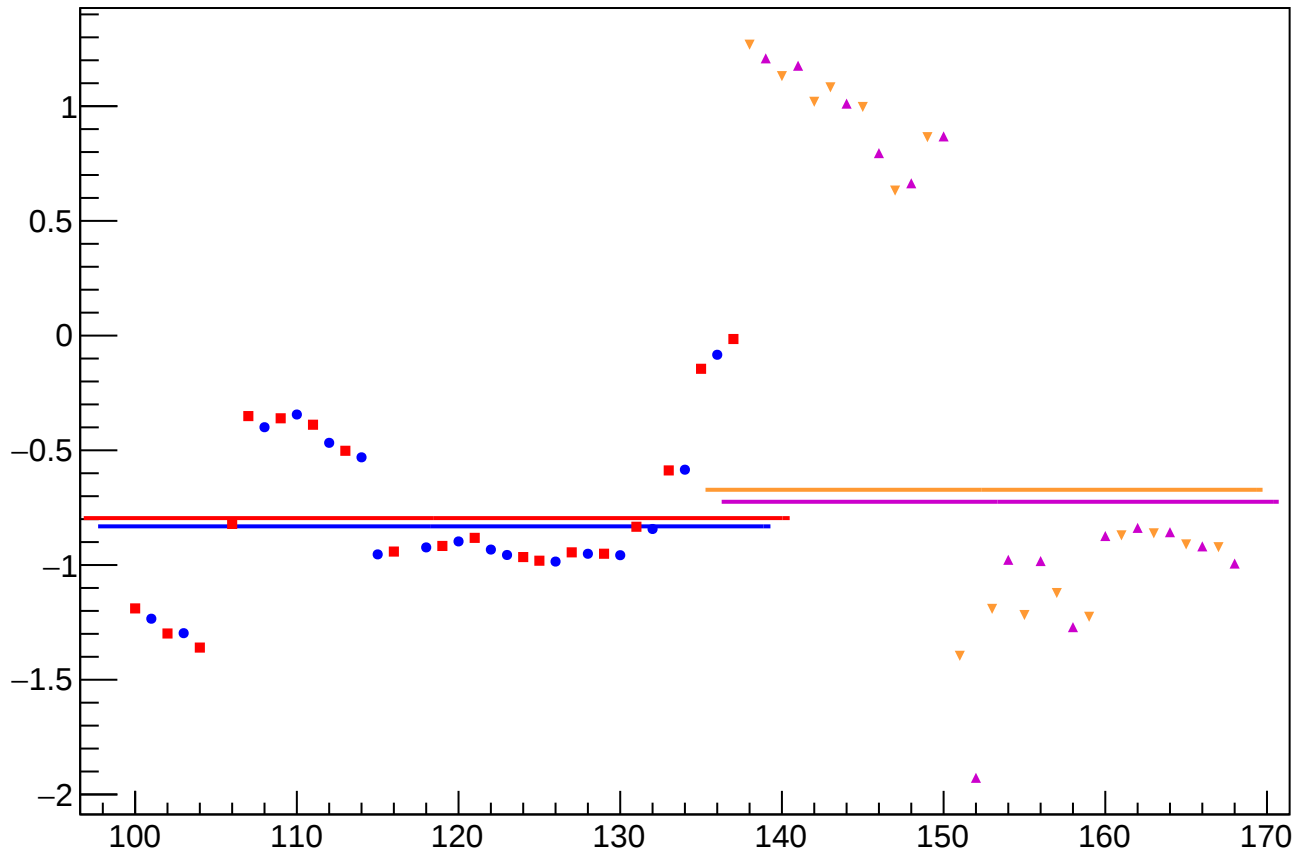
All: -2.302 ± 0.000 χ^2/NDF : 156031366756.4

- sign -2.331 ± 0.000 χ^2/NDF : 73802390791.7/33

yield_bpm2i02Y_rms vs Slug



yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.672 ± 0.000 χ^2/NDF : 112112027614.7/15

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

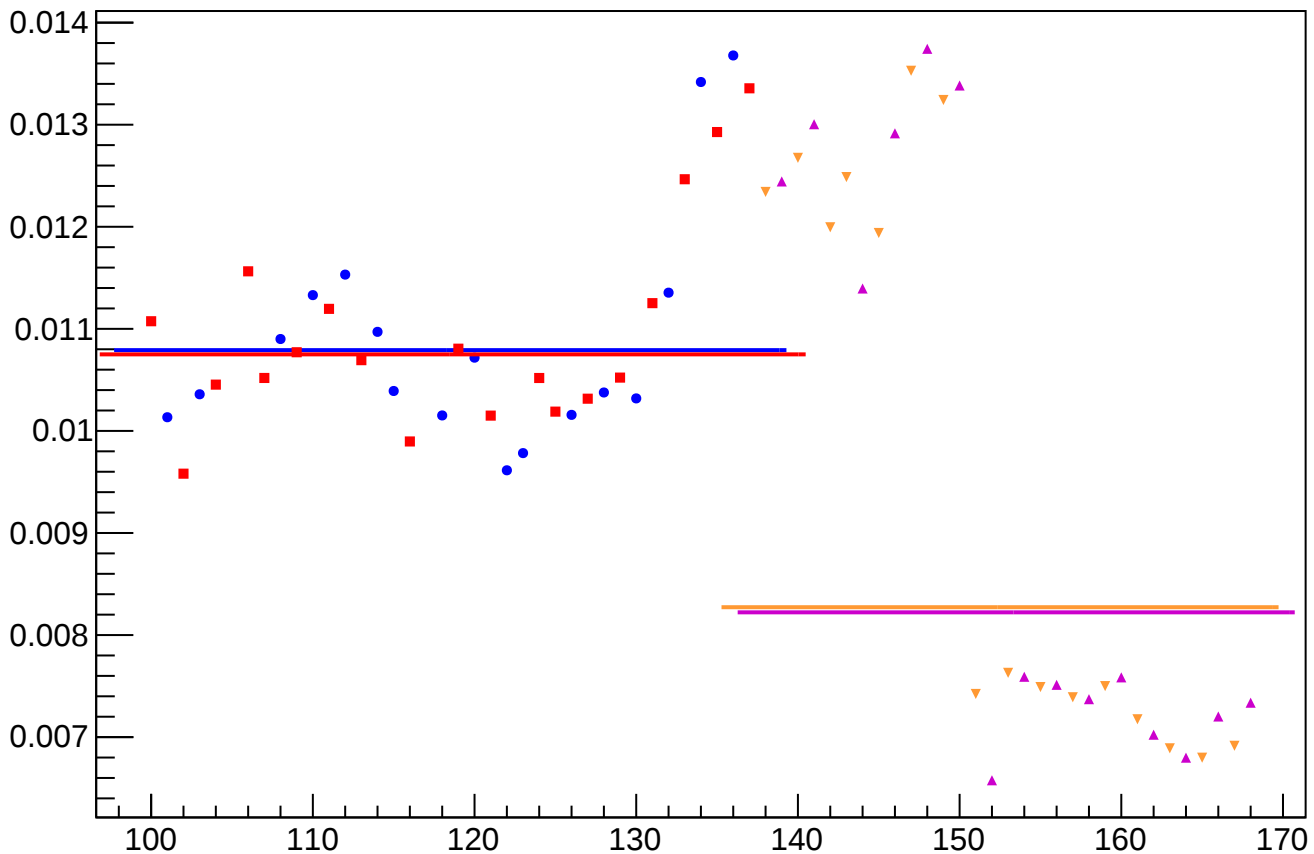
Left In: -0.724 ± 0.000 χ^2/NDF : 119814492938.8/14

+ sign -0.714 ± 0.000 χ^2/NDF : 119862860614.1/32

All: -0.729 ± 0.000 χ^2/NDF : 247816208997.0

- sign -0.744 ± 0.000 χ^2/NDF : 127855729359.8/33

yield_bpm0i01X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 125802.4/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1462934.5/15

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 90220.8/18

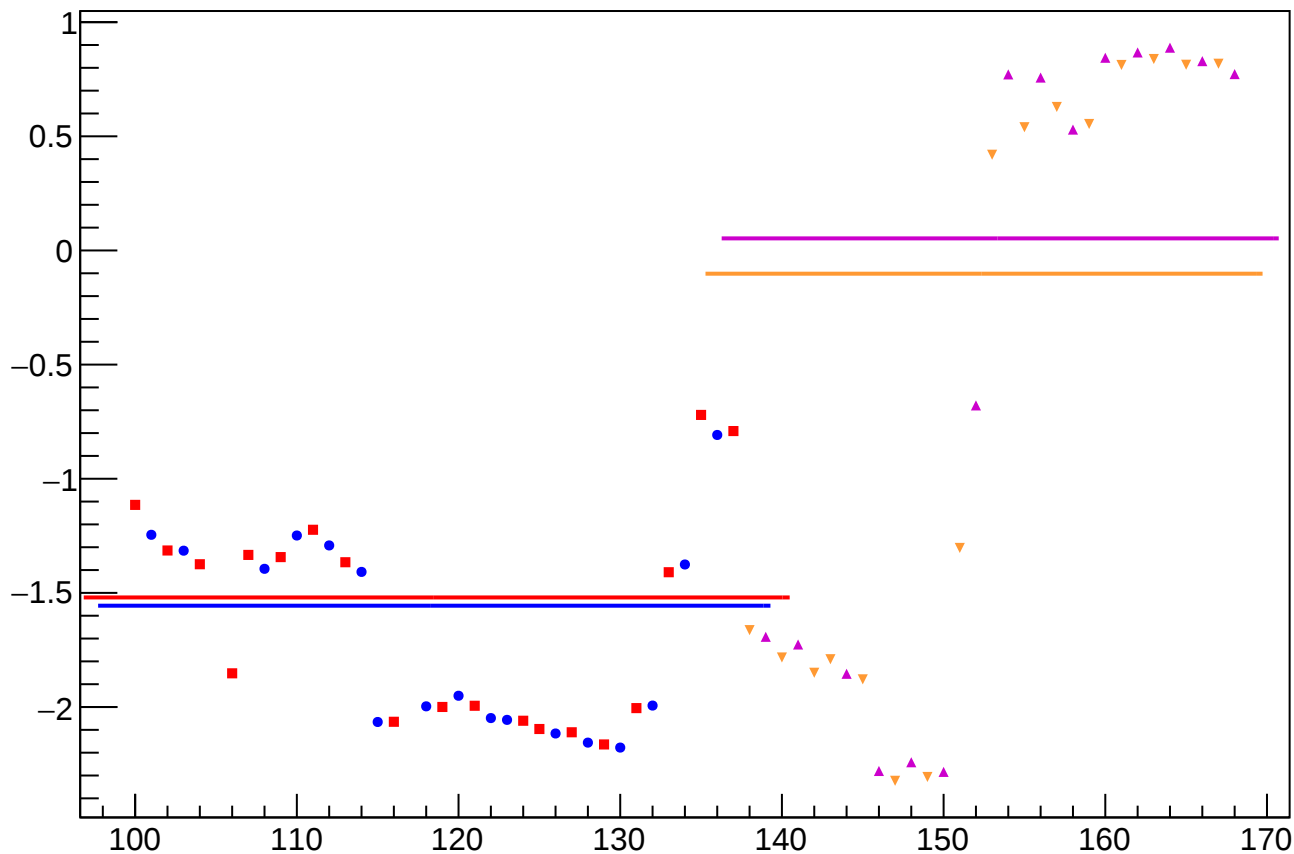
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1517645.1/14

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2117031.6/32

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4278527.8/66

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2161425.6/33

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -0.102+/-0.000 χ^2/NDF : 2052807044210.8/15

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

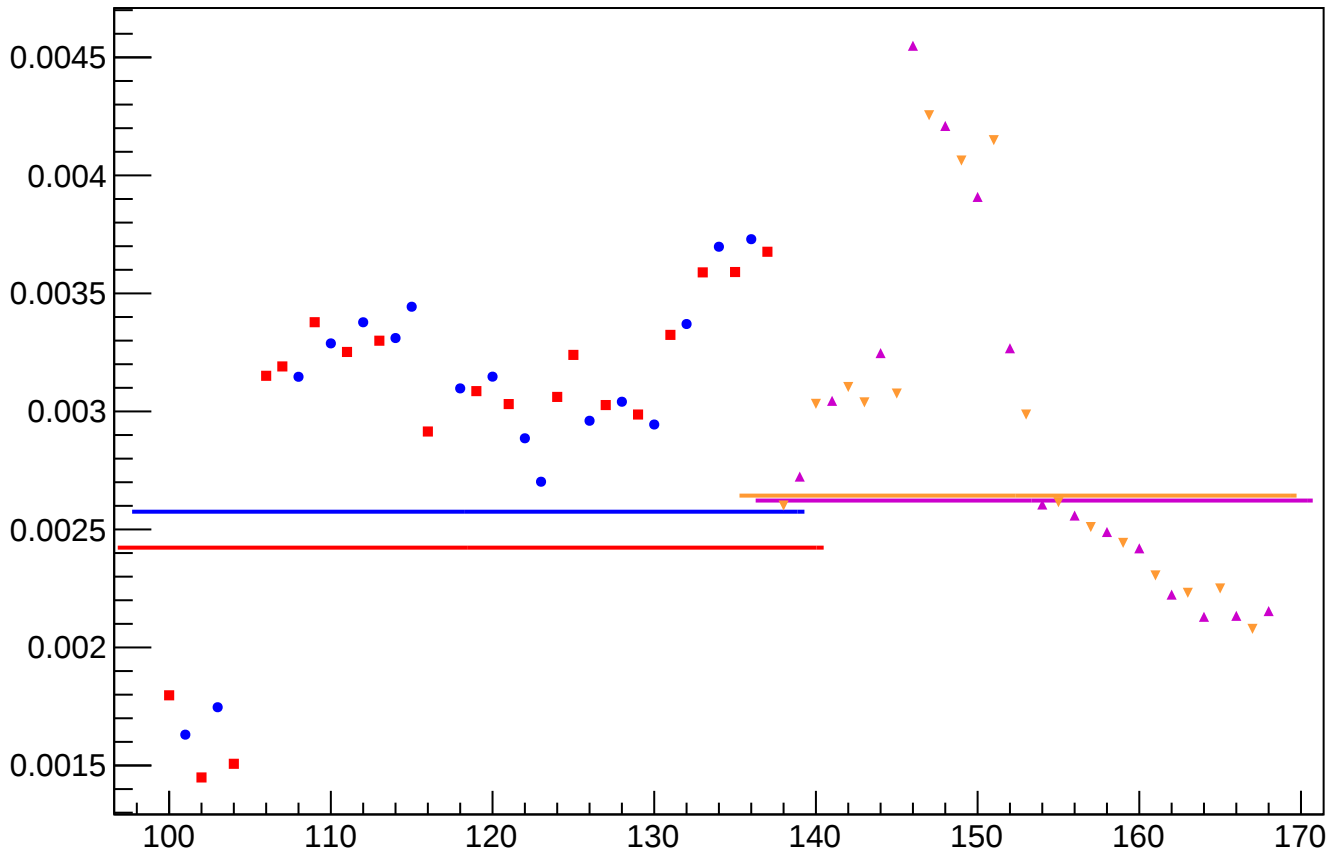
Left In: 0.053+/-0.000 χ^2/NDF : 1971714948239.2/14

+ sign -0.639+/-0.000 χ^2/NDF : 3345779058073.6/3

All: -0.607+/-0.000 χ^2/NDF : 6893136316494

- sign -0.577+/-0.000 χ^2/NDF : 3542781239712.4/3

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF : 815112.5/15

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

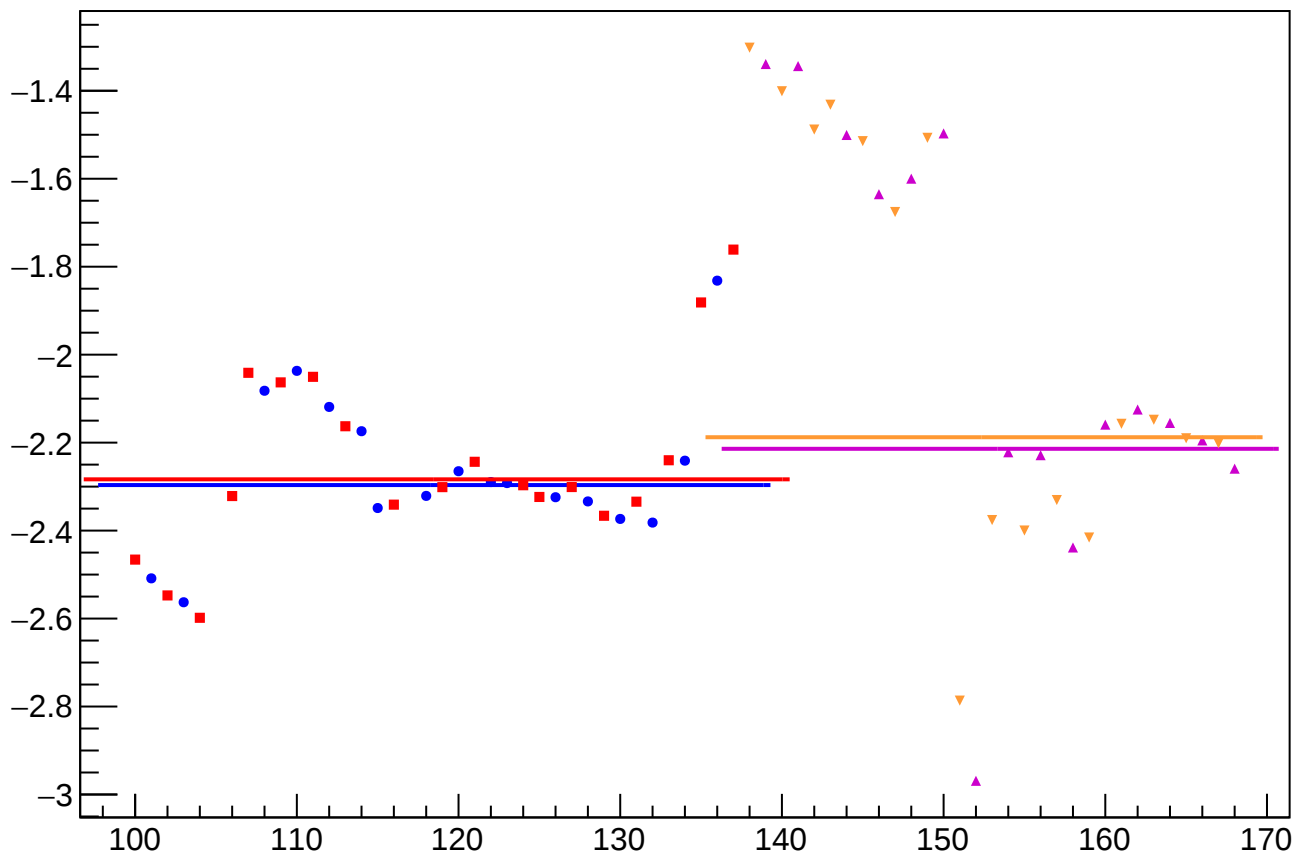
Left In: 0.003+/-0.000 χ^2/NDF : 907095.8/14

+ sign 0.003+/-0.000 χ^2/NDF : 1833946.8/32

All: 0.003+/-0.000 χ^2/NDF : 4290769.1/66

- sign 0.003+/-0.000 χ^2/NDF : 2443324.0/33

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.188+/-0.000 χ^2/NDF : 51026689165.1/15

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

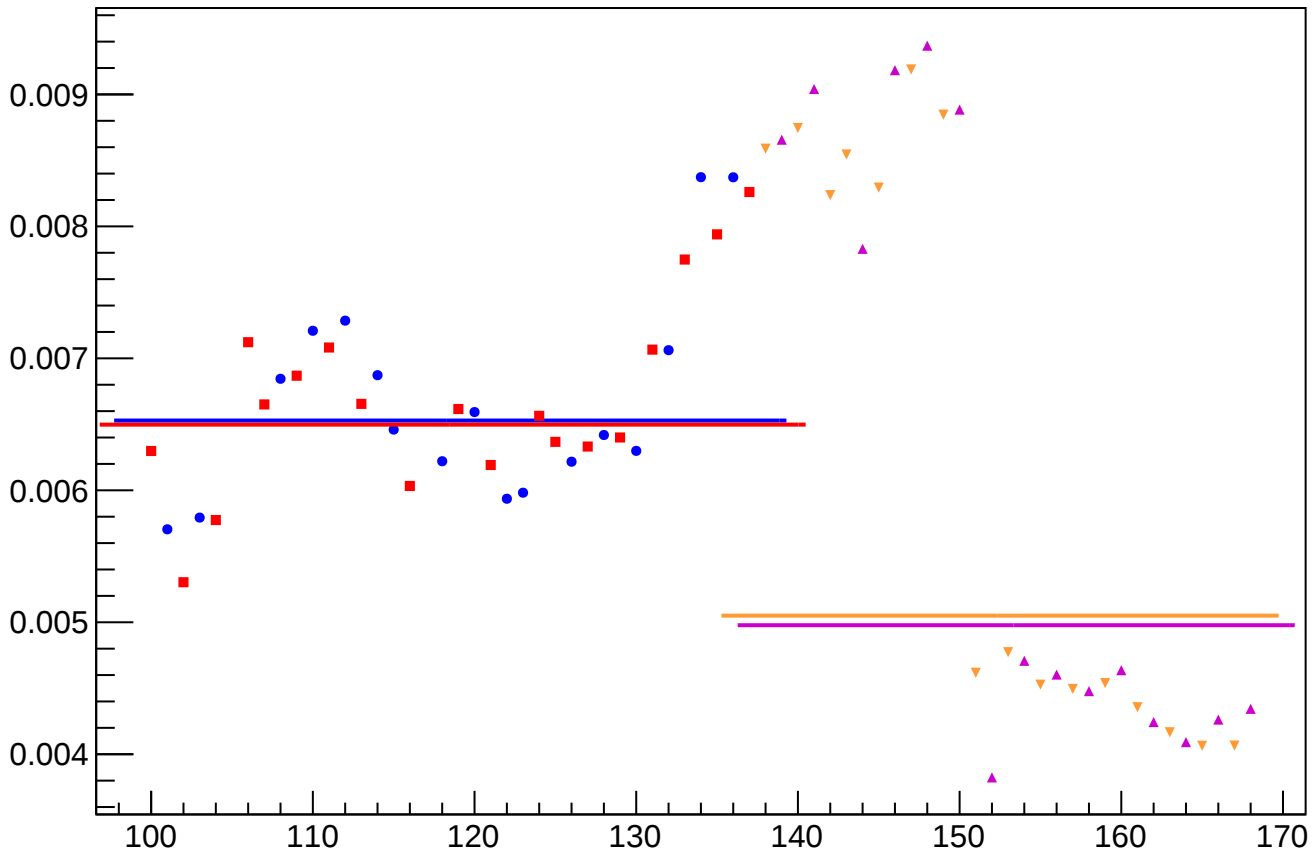
Left In: -2.214+/-0.000 χ^2/NDF : 66344947471.7/14

+ sign -2.217+/-0.000 χ^2/NDF : 58117969325.0/32

All: -2.225+/-0.000 χ^2/NDF : 131644146512.1

- sign -2.234+/-0.000 χ^2/NDF : 73450434815.7/33

yield_bpm0i01aX_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 176467.7/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:2003309.4/15

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 164144.2/18

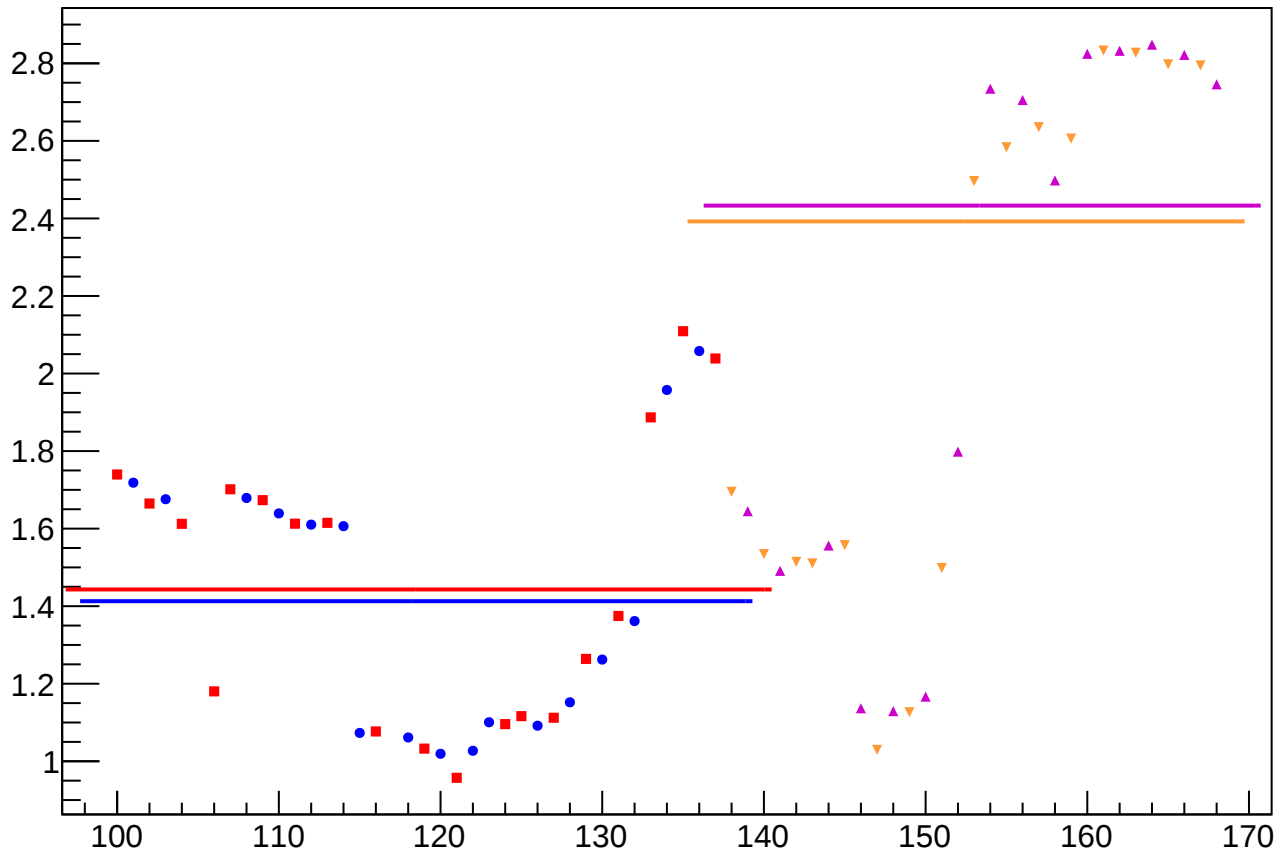
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:2099515.7/14

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2663292.4/32

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 5462361.7/66

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2797848.5/33

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.392+/-0.000 χ^2/NDF : 222925118073.1/15

+ sign 1.740+/-0.000 χ^2/NDF : 884345814925.6/32

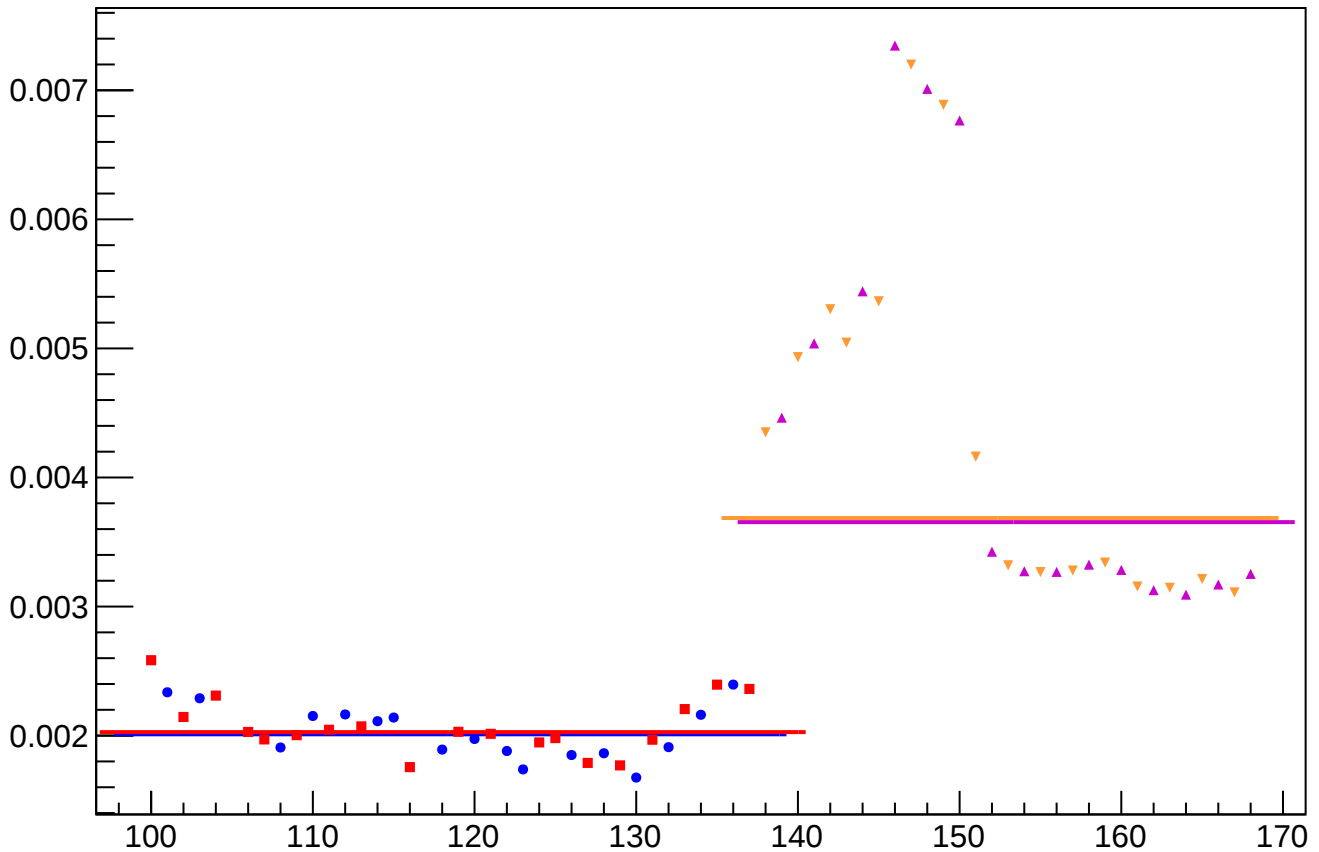
Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

All: 1.752+/-0.000 χ^2/NDF : 1785449543495.

Left In: 2.433+/-0.000 χ^2/NDF : 225004343721.9/14

- sign 1.764+/-0.000 χ^2/NDF : 900394113082.1/33

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.004+/-0.000 χ^2/NDF :1254800.7/15

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

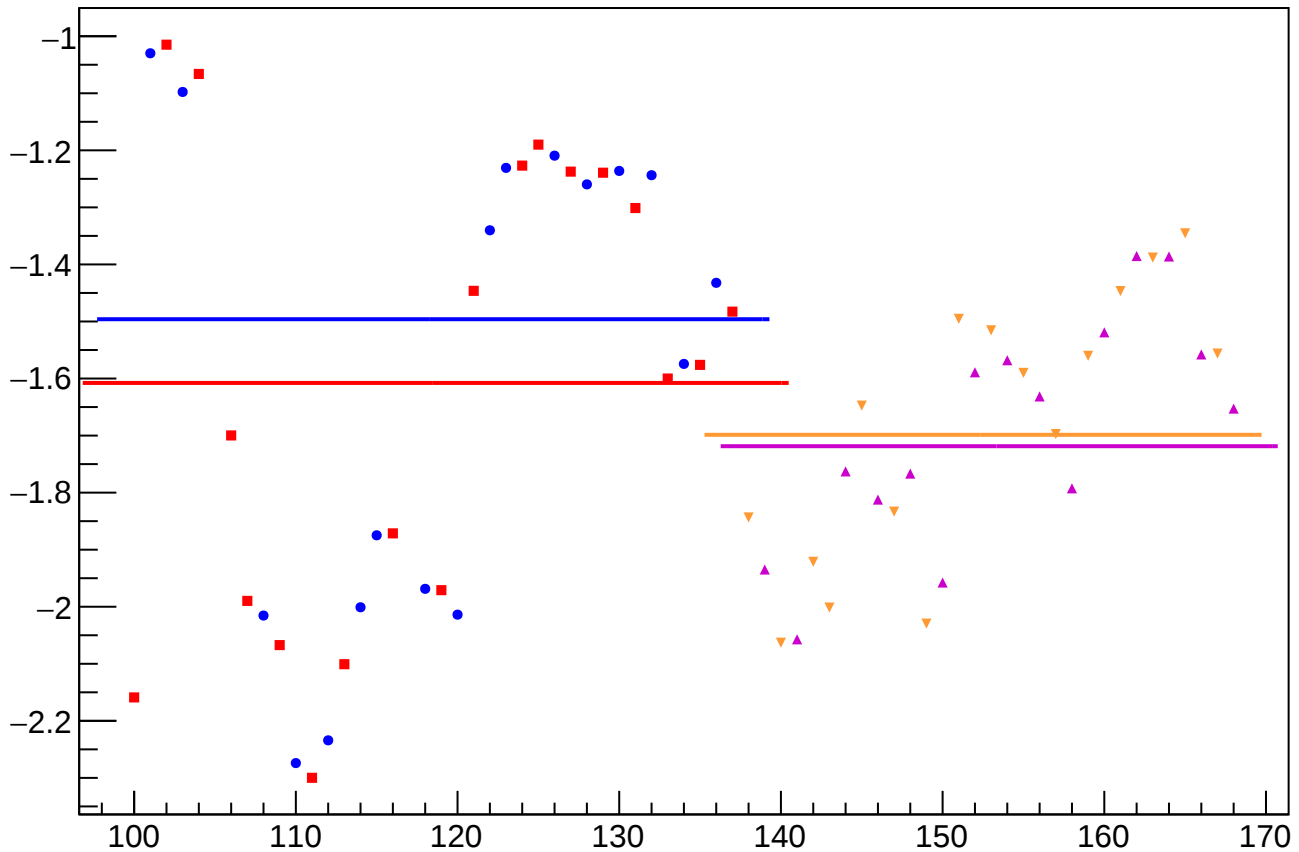
Left In: 0.004+/-0.000 χ^2/NDF :1443037.6/14

+ sign 0.003+/-0.000 χ^2/NDF : 4269189.4/32

All: 0.003+/-0.000 χ^2/NDF : 8528612.3/66

- sign 0.003+/-0.000 χ^2/NDF : 4258963.3/33

yield_bpm0l01X_mean vs Slug



Right In: -1.496 ± 0.000 $\chi^2/\text{NDF}: 22525130000.3/16$

Left Out: -1.699 ± 0.000 $\chi^2/\text{NDF}: 15478655668.1/15$

Right Out: -1.608 ± 0.000 $\chi^2/\text{NDF}: 27836461057.4/18$

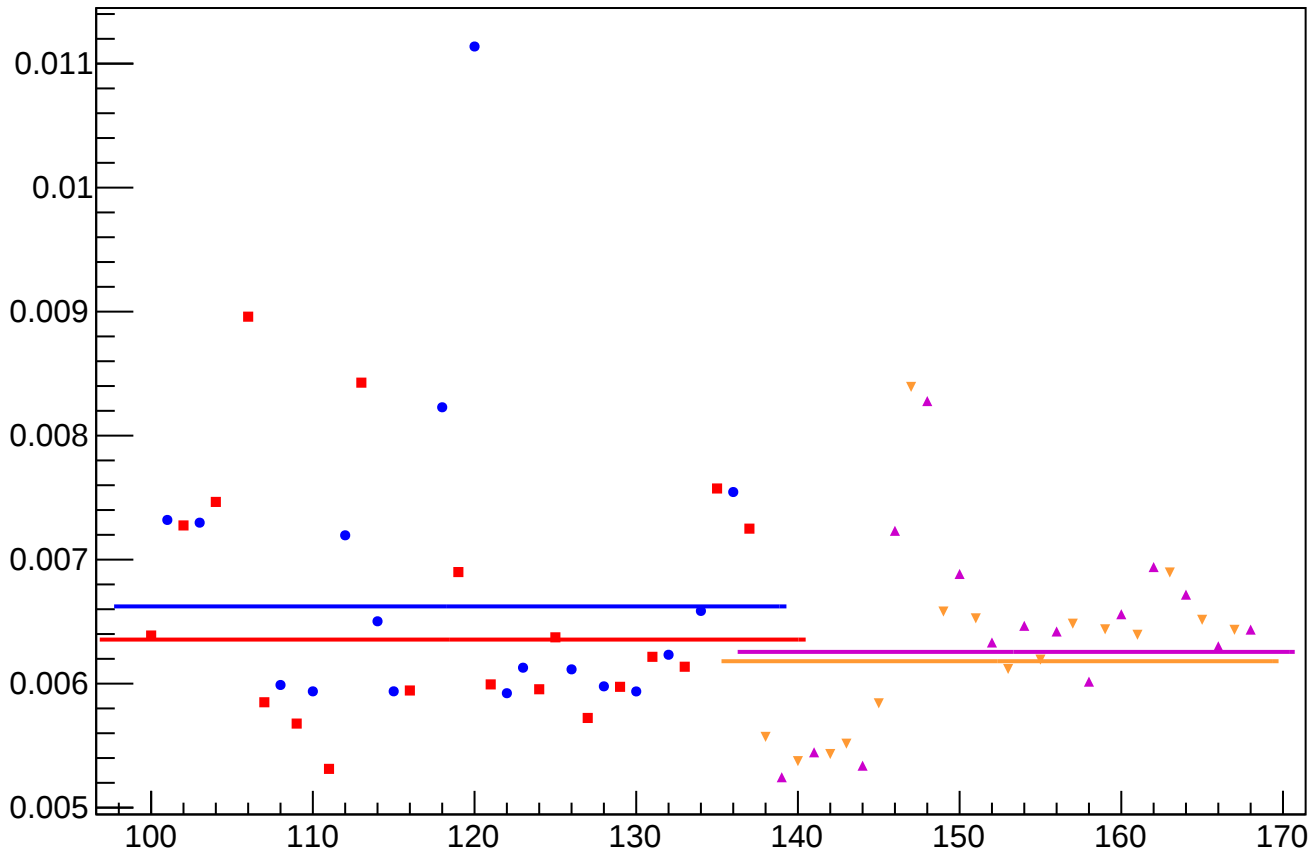
Left In: -1.719 ± 0.000 $\chi^2/\text{NDF}: 10727054464.5/14$

+ sign -1.633 ± 0.000 $\chi^2/\text{NDF}: 41865833992.2/32$

All: -1.656 ± 0.000 $\chi^2/\text{NDF}: 82122230974.7/33$

- sign -1.678 ± 0.000 $\chi^2/\text{NDF}: 39828686020.1/33$

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF : 225876.7/15

Right Out: 0.006+/-0.000 χ^2/NDF : 227861.1/18

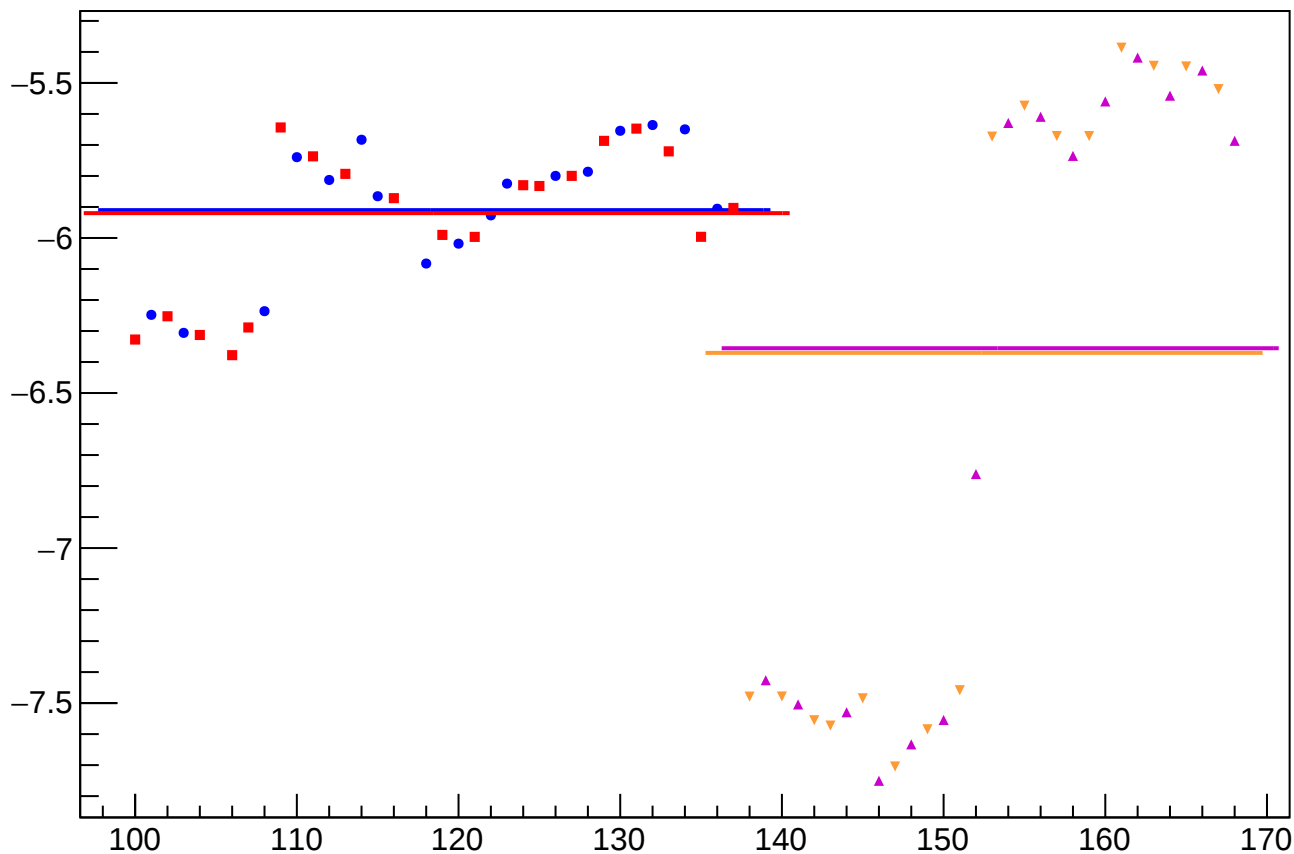
Left In: 0.006+/-0.000 χ^2/NDF : 288279.2/14

+ sign 0.006+/-0.000 χ^2/NDF : 495274.5/32

All: 0.006+/-0.000 χ^2/NDF : 1013852.4/66

- sign 0.006+/-0.000 χ^2/NDF : 518169.8/33

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.370+/-0.000 χ^2/NDF : 158536643830.2/15

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

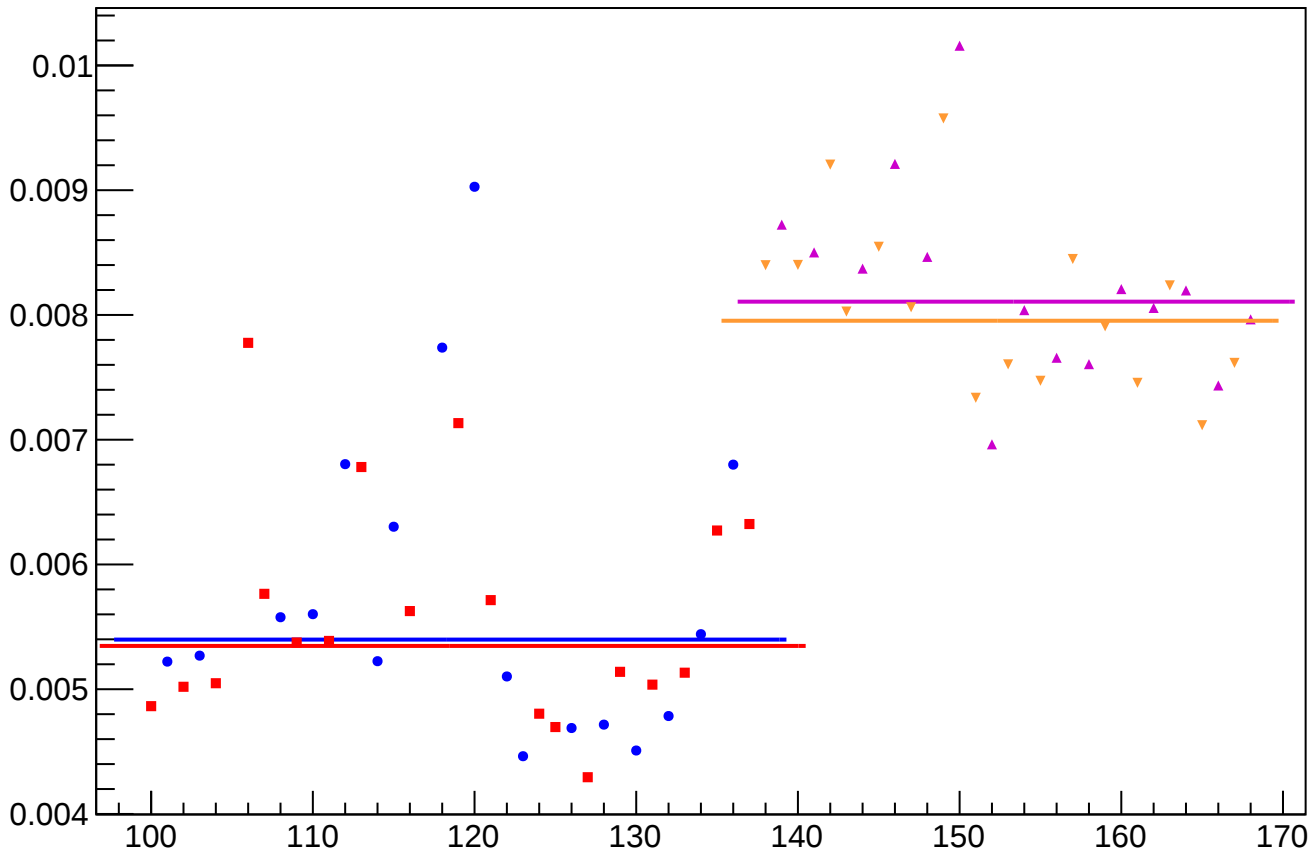
Left In: -6.356+/-0.000 χ^2/NDF : 133566326139.1/14

+ sign -6.116+/-0.000 χ^2/NDF : 188876713584.2/32

All: -6.108+/-0.000 χ^2/NDF : 352831620781.2

- sign -6.101+/-0.000 χ^2/NDF : 163913587256.8/33

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :115442.3/15

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

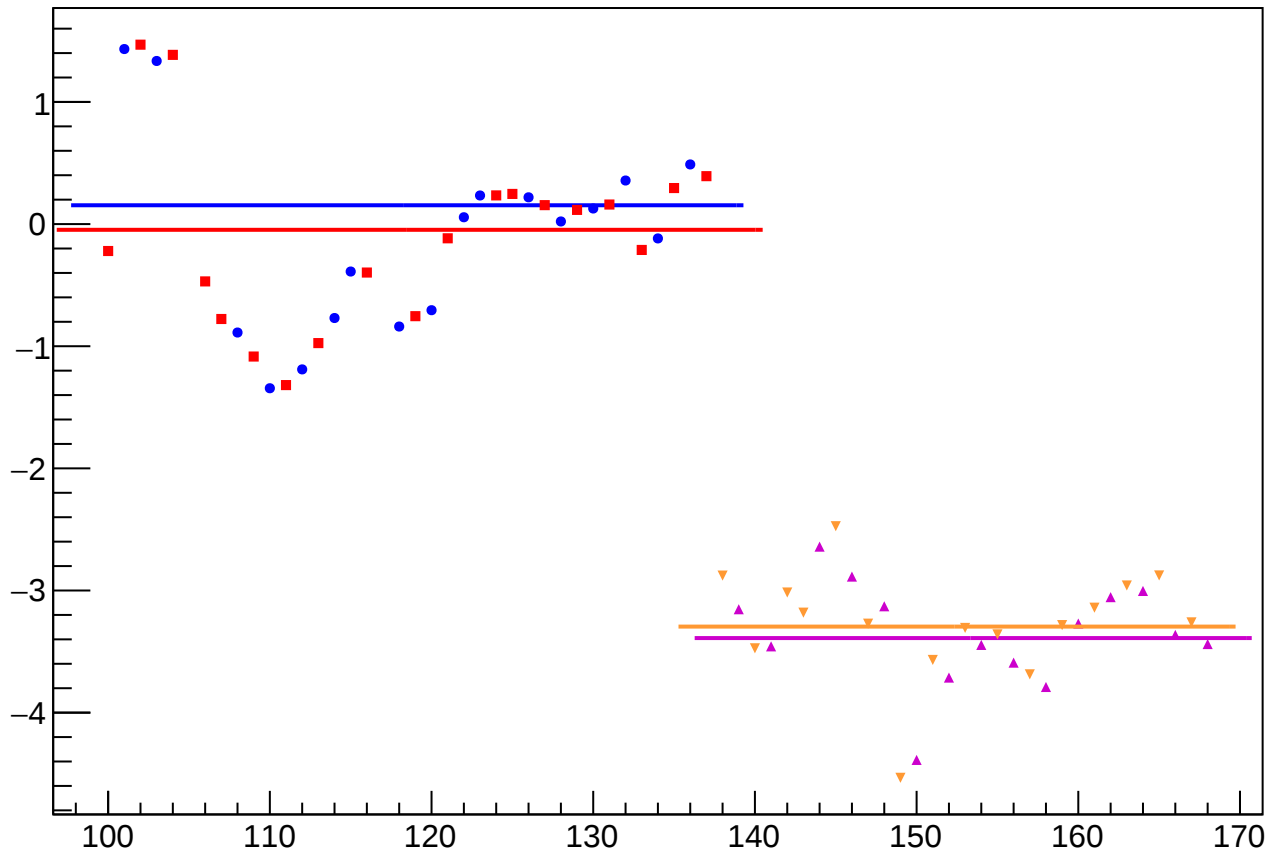
Left In: 0.008+/-0.000 χ^2/NDF :151547.5/14

+ sign 0.007+/-0.000 χ^2/NDF : 1669949.2/32

All: 0.007+/-0.000 χ^2/NDF : 3480628.3/66

- sign 0.006+/-0.000 χ^2/NDF : 1809894.6/33

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.295+/-0.000 χ^2/NDF : 7932734182.2/15

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

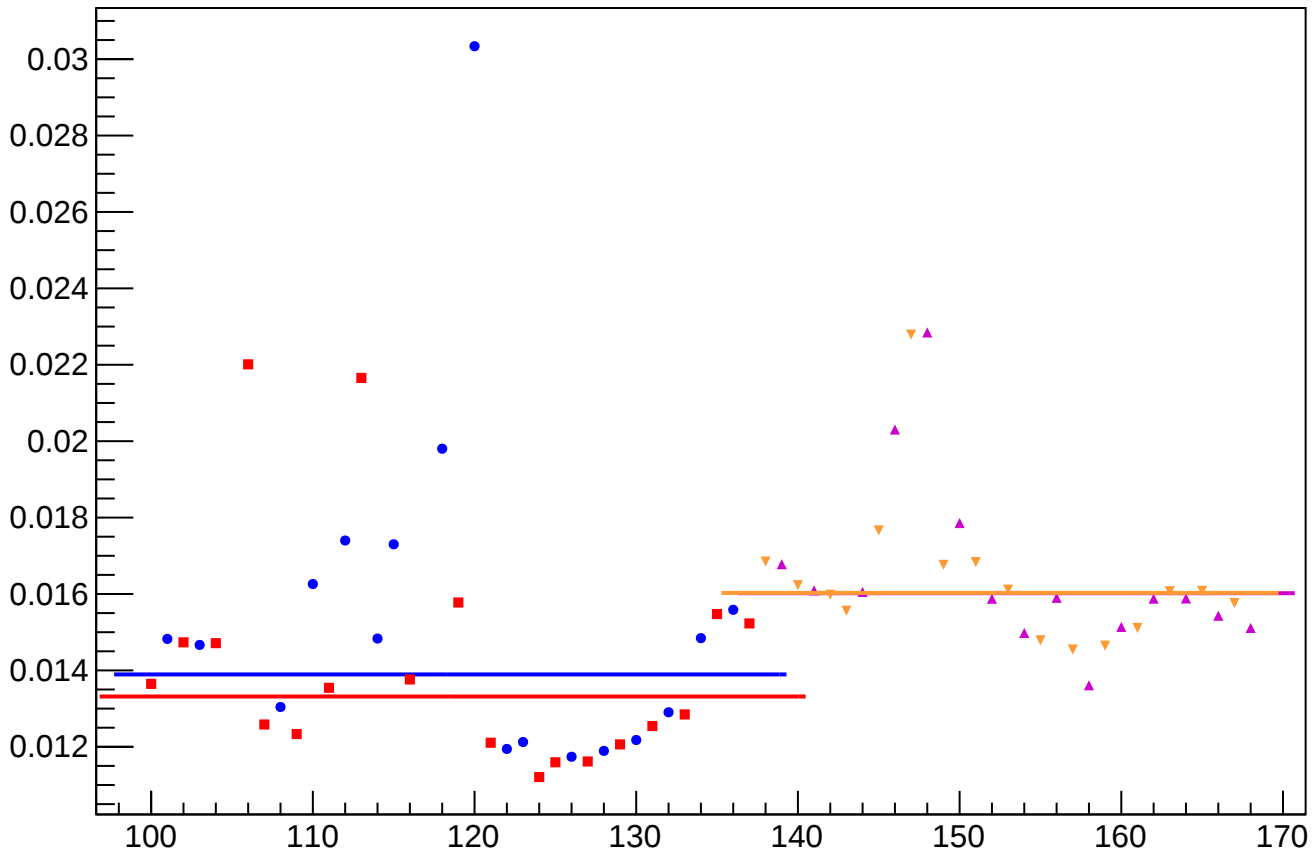
Left In: -3.389+/-0.000 χ^2/NDF : 6859425996.6/14

+ sign -1.877+/-0.000 χ^2/NDF : 239805168058.8/32

All: -1.867+/-0.000 χ^2/NDF : 488249669209.2

- sign -1.857+/-0.000 χ^2/NDF : 248428907269.1/33

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 400569.4/16

Left Out: 0.016+/-0.000 χ^2/NDF :194623.6/15

Right Out: 0.013+/-0.000 χ^2/NDF : 291358.0/18

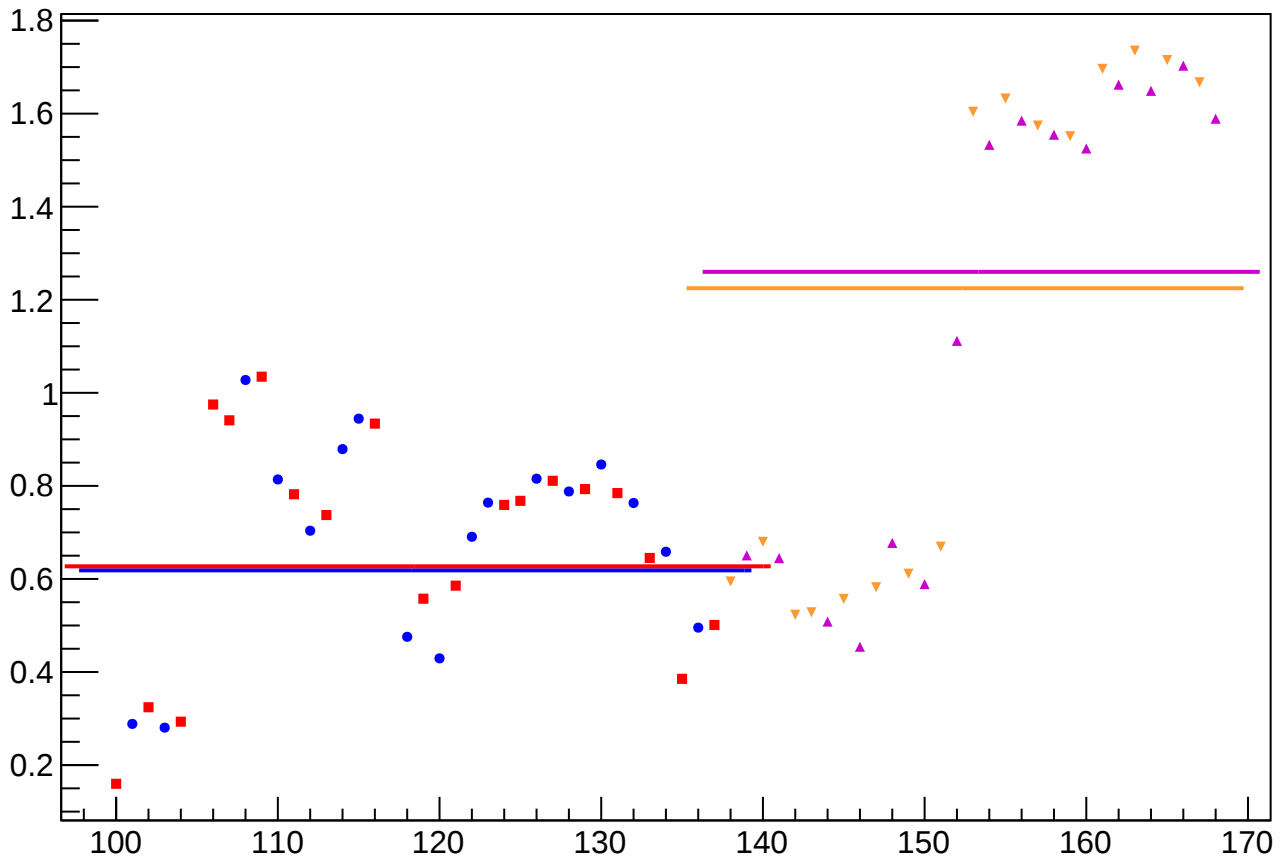
Left In: 0.016+/-0.000 χ^2/NDF :283488.3/14

+ sign 0.015+/-0.000 χ^2/NDF : 759732.4/32

All: 0.015+/-0.000 χ^2/NDF : 1633506.8/66

- sign 0.015+/-0.000 χ^2/NDF : 863242.6/33

yield_bpm0l02Y_mean vs Slug



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 1.225+/-0.000 χ^2/NDF : 61922510153.1/15

Right Out: 0.627+/-0.000 χ^2/NDF : 6337935219.4/18

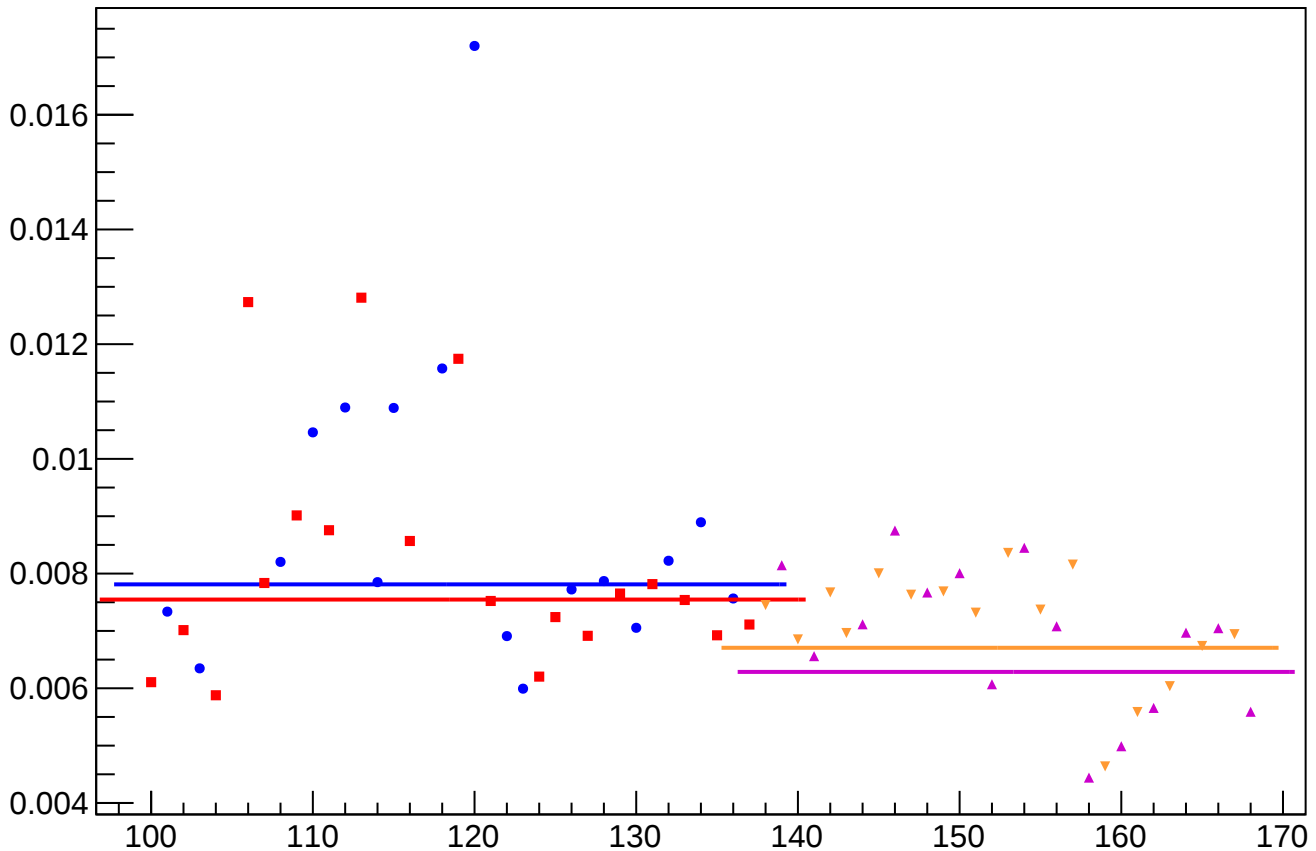
Left In: 1.260+/-0.000 χ^2/NDF : 53988312255.2/14

+ sign 1.050+/-0.000 χ^2/NDF : 92286513656.1/32

All: 1.064+/-0.000 χ^2/NDF : 183639634461.4

- sign 1.076+/-0.000 χ^2/NDF : 91231296300.2/33

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 466827.3/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:617320.9/15

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 441823.4/18

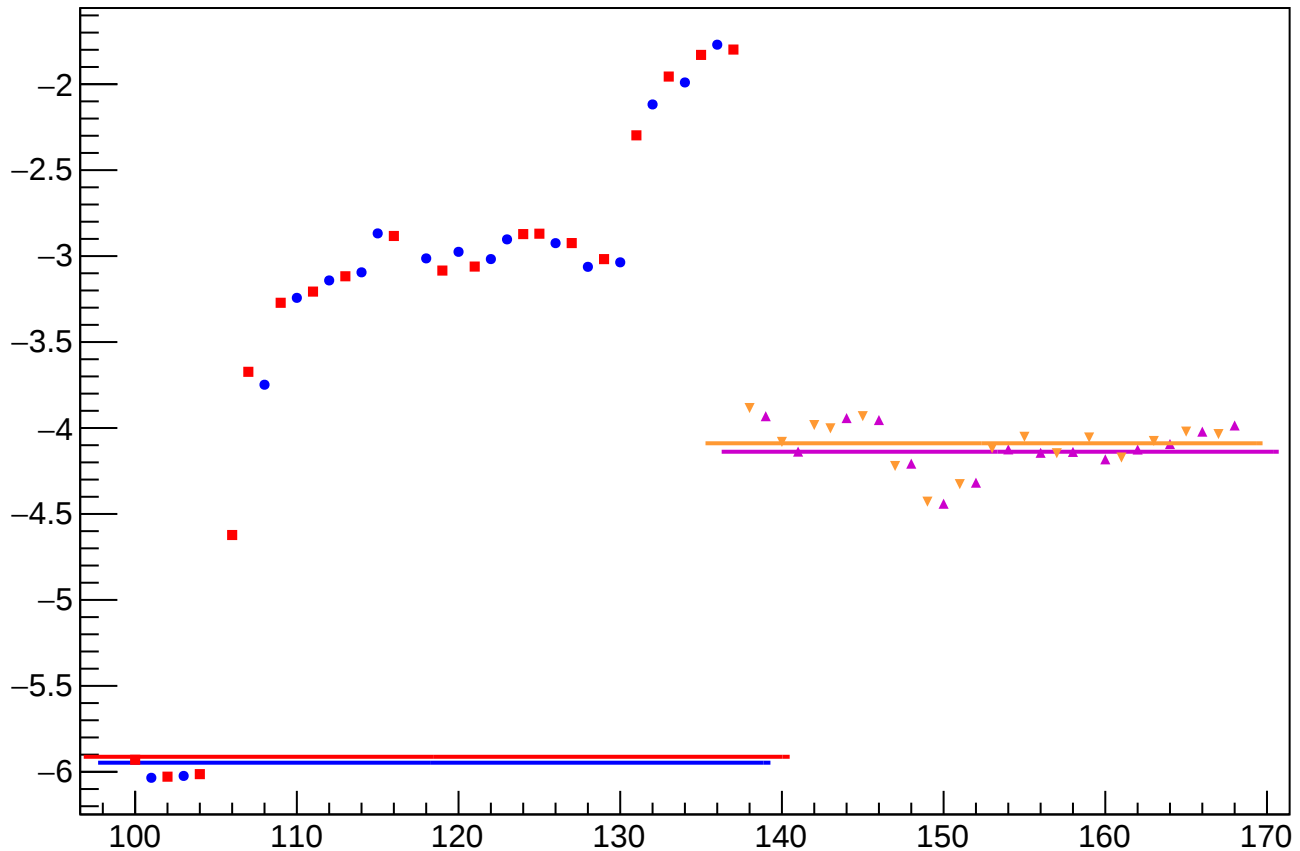
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:885390.3/14

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1250149.4/32

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2872029.2/66

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1572895.4/33

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2 /NDF: 13165963559.5/16

Left Out: -4.089+/-0.000 χ^2 /NDF: 32287533.9/15

Right Out: -5.912+/-0.000 χ^2 /NDF: 14619971495.0/18

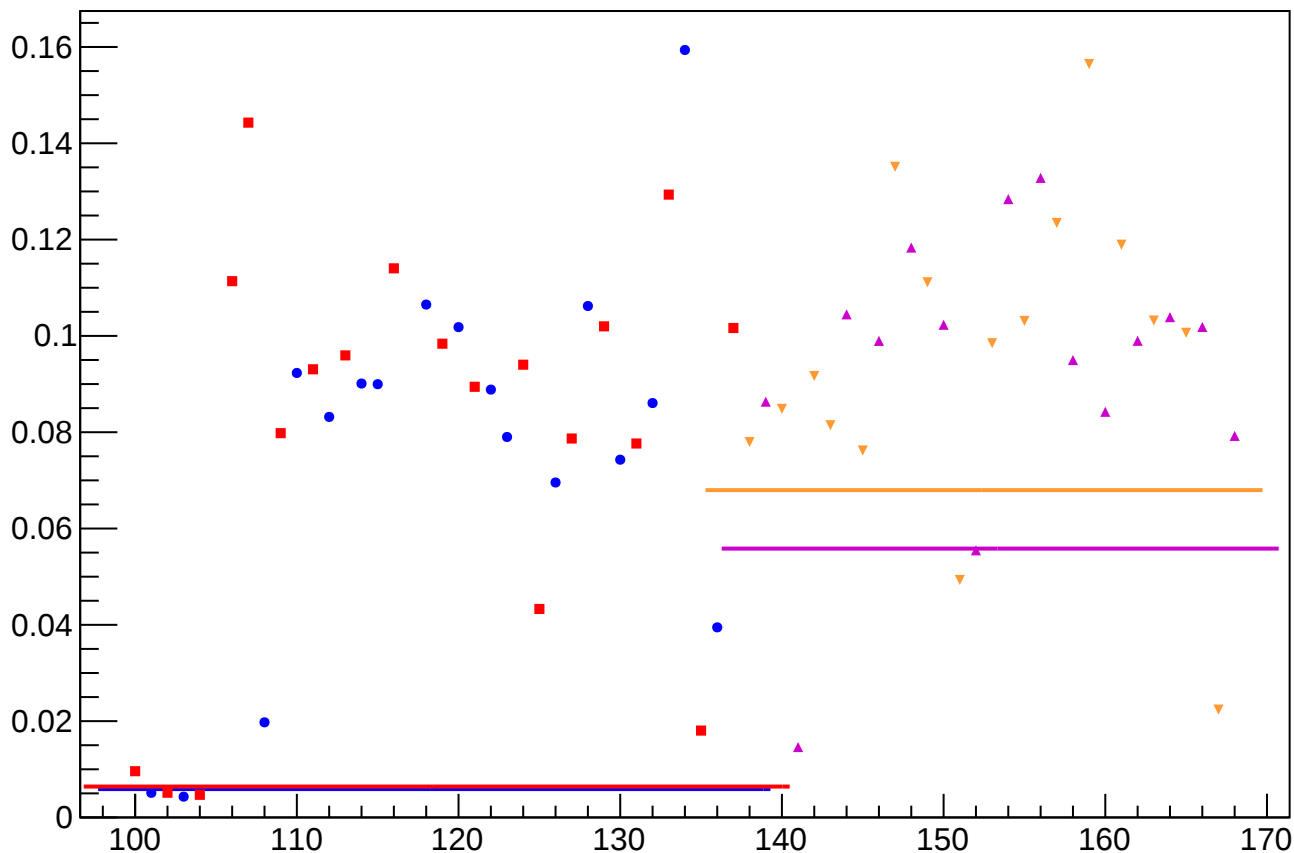
Left In: -4.138+/-0.000 χ^2 /NDF: 24202918.2/14

+ sign -5.884+/-0.000 χ^2 /NDF: 18766773894.0/32

All: -5.859+/-0.000 χ^2 /NDF: 39197146458.6

- sign -5.828+/-0.000 χ^2 /NDF: 20362072831.9/33

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7934545.2/16

Left Out: 0.068 $\pm$ 0.000 χ^2 /NDF:4448153.1/15

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

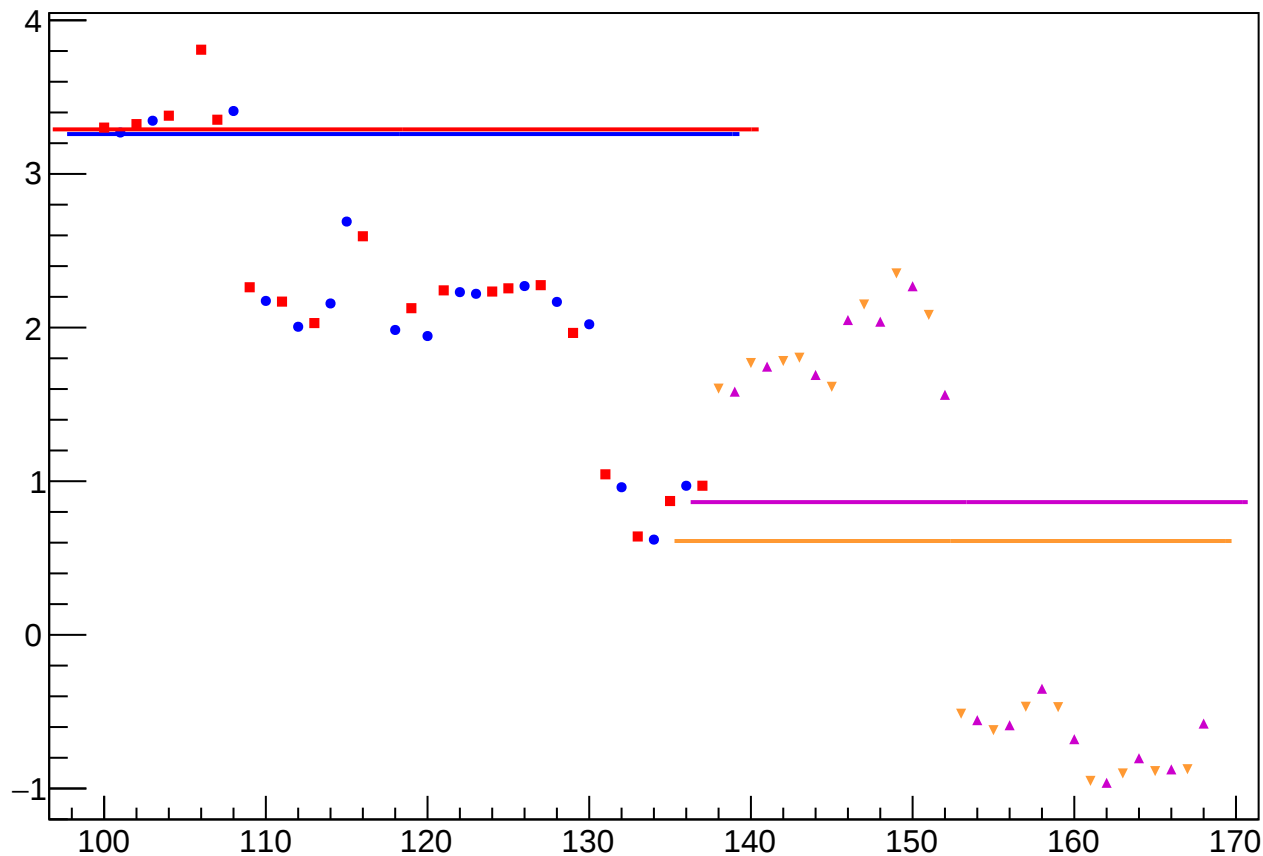
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:6445988.0/14

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 24816755.3/32

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 48656525.2/66

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 23814060.8/33

yield_bpm0l03Y_mean vs Slug



Right In: 3.259 $\pm$ 0.000 χ^2 /NDF: 2921931976.8/16

Left Out: 0.611 $\pm$ 0.000 χ^2 /NDF: 2528117269.0/15

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3262231575.5/18

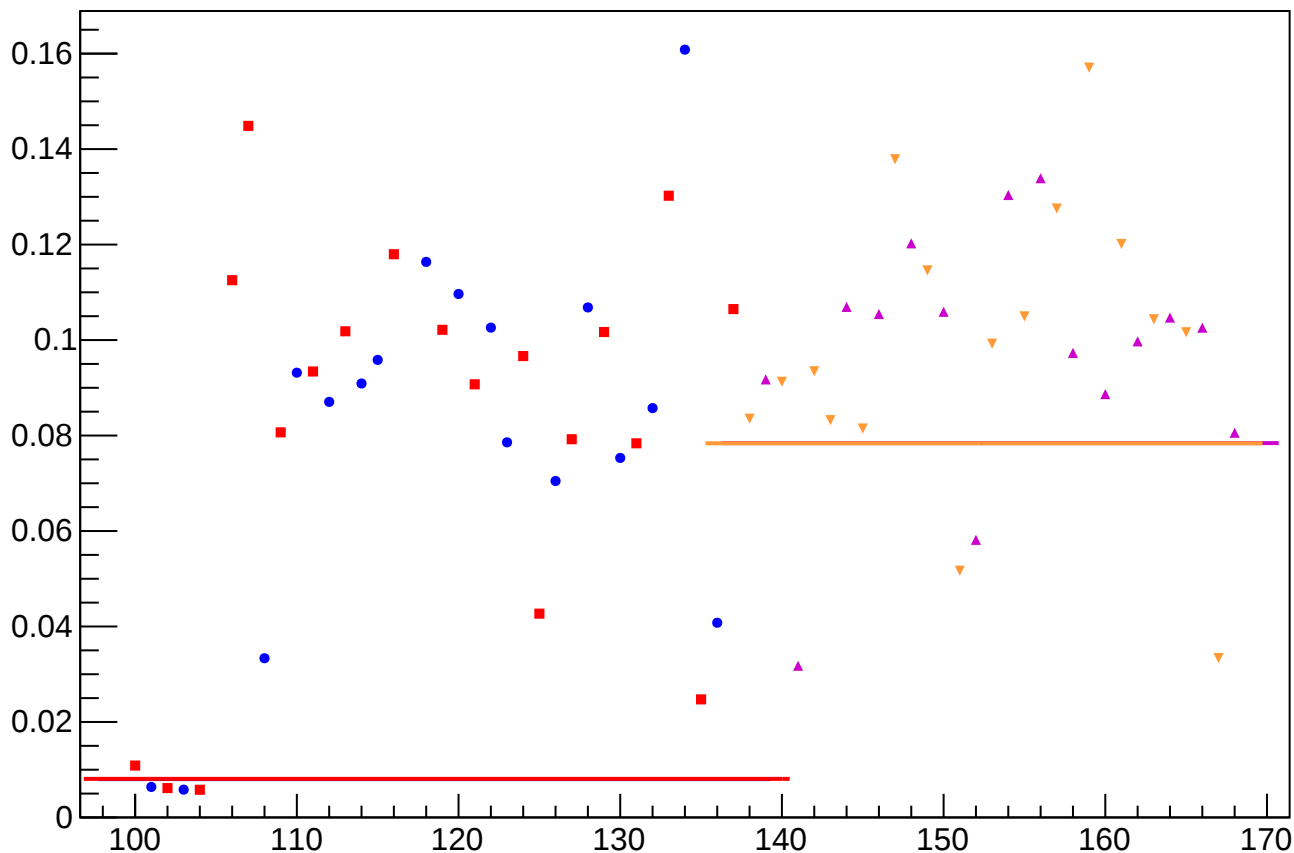
Left In: 0.864 $\pm$ 0.000 χ^2 /NDF: 1848013245.8/14

+ sign 3.137 $\pm$ 0.000 χ^2 /NDF: 14771609526.2/32

All: 3.156 $\pm$ 0.000 χ^2 /NDF: 27175722959.7/6

- sign 3.177 $\pm$ 0.000 χ^2 /NDF: 12381396182.3/33

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.078+/-0.000 χ^2/NDF : 2961526.5/15

Right Out: 0.008+/-0.000 χ^2/NDF : 8309426.5/18

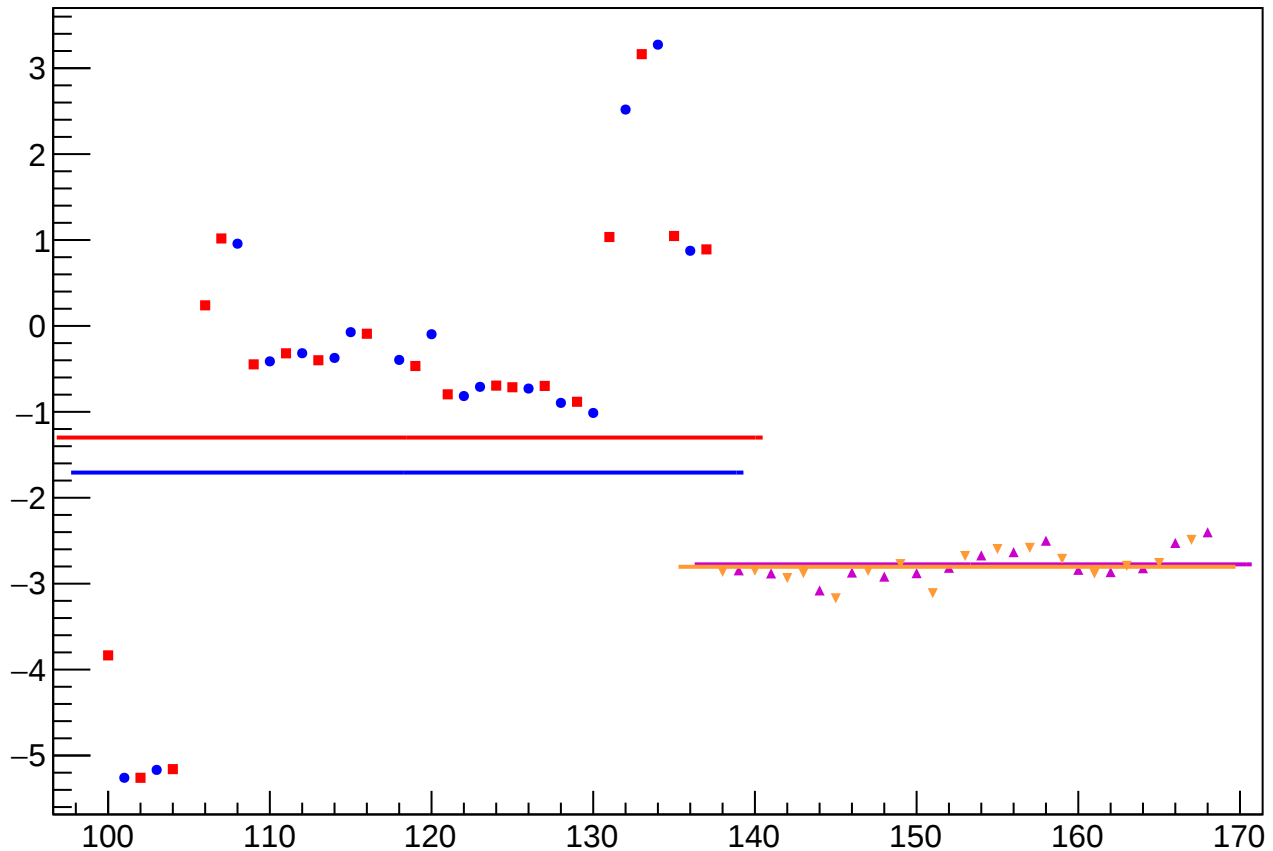
Left In: 0.078+/-0.000 χ^2/NDF : 2746041.3/14

+ sign 0.011+/-0.000 χ^2/NDF : 23851488.5/32

All: 0.011+/-0.000 χ^2/NDF : 47129186.0/66

- sign 0.011+/-0.000 χ^2/NDF : 23277524.4/33

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.803+/-0.000 χ^2/NDF : 5802967239.9/15

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

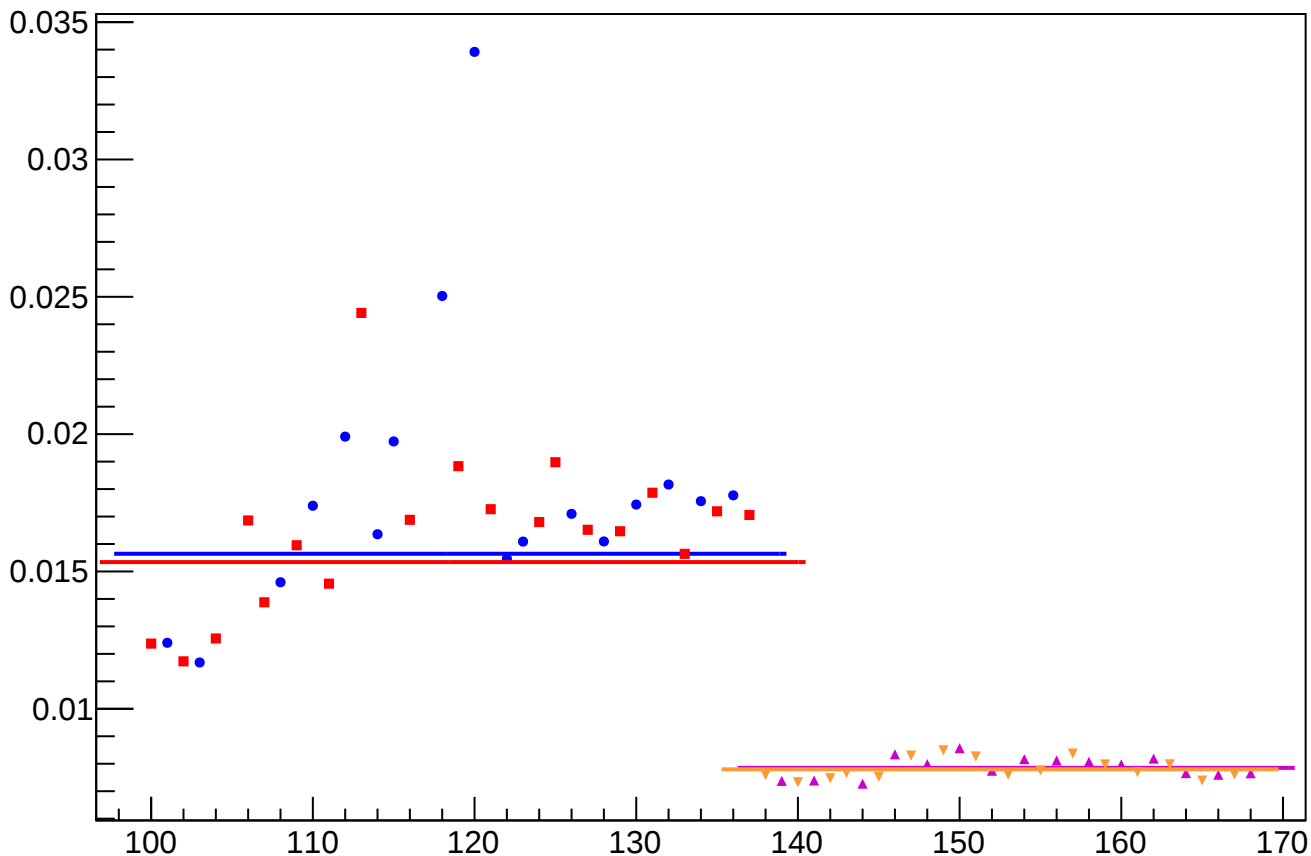
Left In: -2.775+/-0.000 χ^2/NDF : 6116530633.1/14

+ sign -2.683+/-0.000 χ^2/NDF : 196452461126.3/32

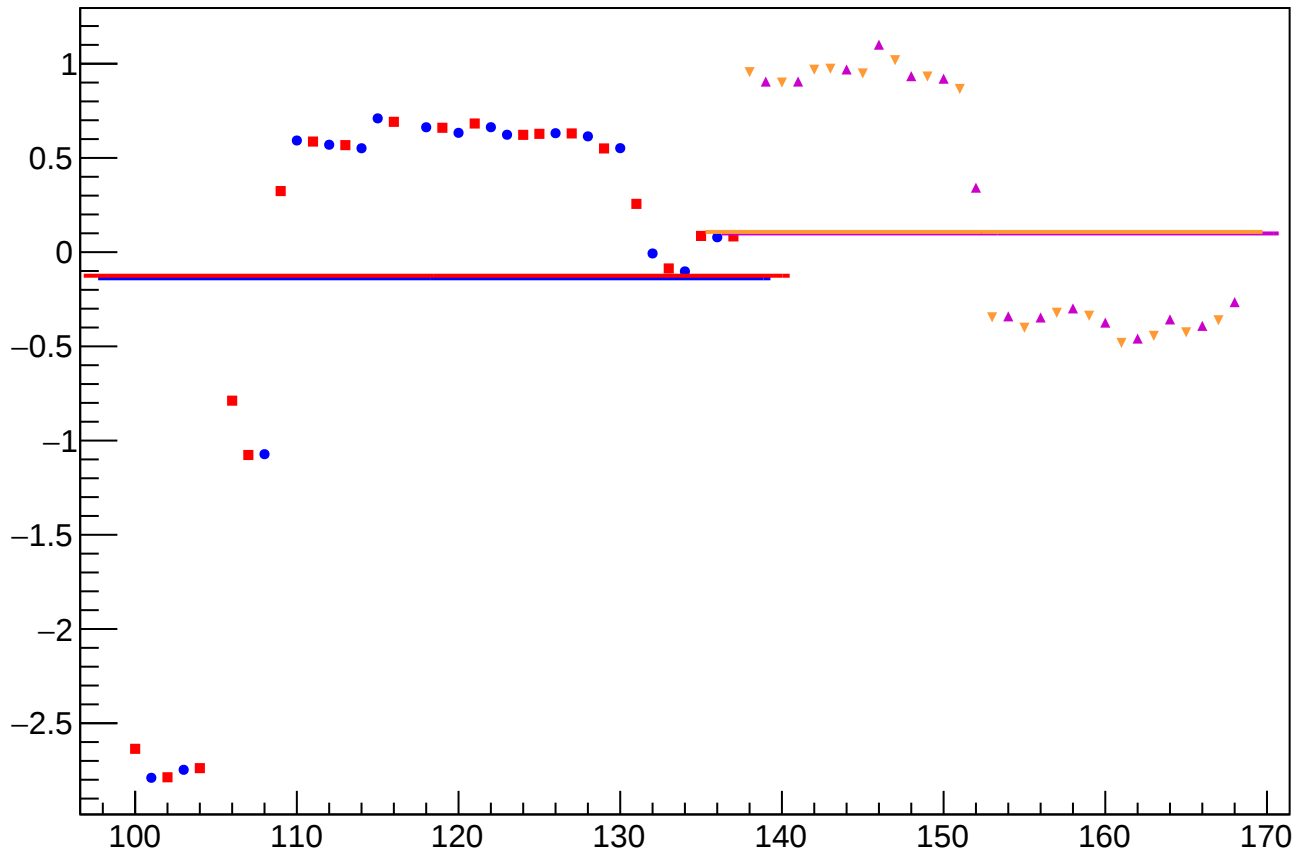
All: -2.636+/-0.000 χ^2/NDF : 431649860453.6

- sign -2.588+/-0.000 χ^2/NDF : 234255522424.3/33

yield_bpm0l04X_rms vs Slug



yield_bpm0l04Y_mean vs Slug



Right In: -0.139 ± 0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.107 ± 0.000 χ^2/NDF : 119710501748.0/15

Right Out: -0.125 ± 0.000 χ^2/NDF : 761496762534.7/18

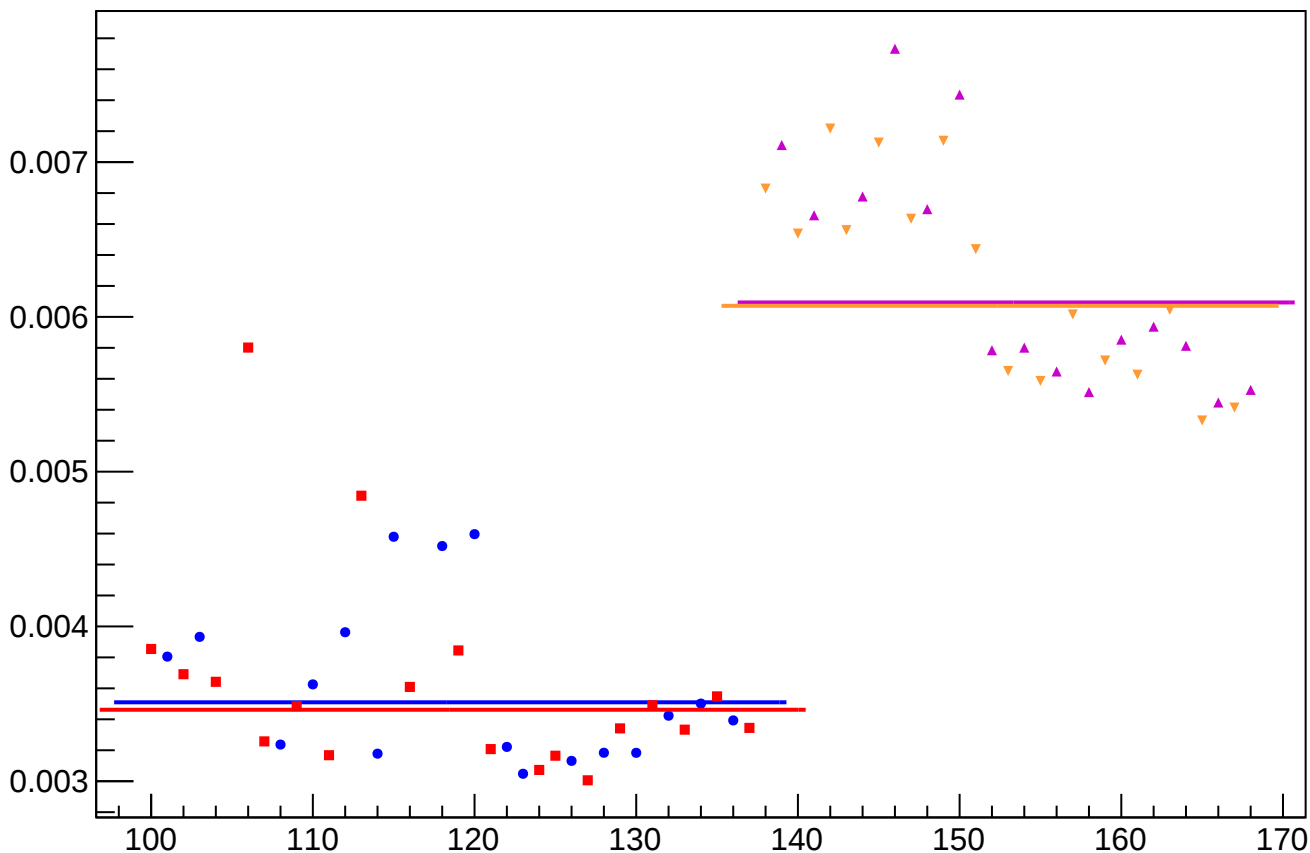
Left In: 0.099 ± 0.000 χ^2/NDF : 100173162652.5/14

+ sign -0.050 ± 0.000 χ^2/NDF : 845911142077.5/32

All: -0.050 ± 0.000 χ^2/NDF : 1717103579369

- sign -0.049 ± 0.000 χ^2/NDF : 871192102088.8/33

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.006+/-0.000 χ^2/NDF : 200542.9/15

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

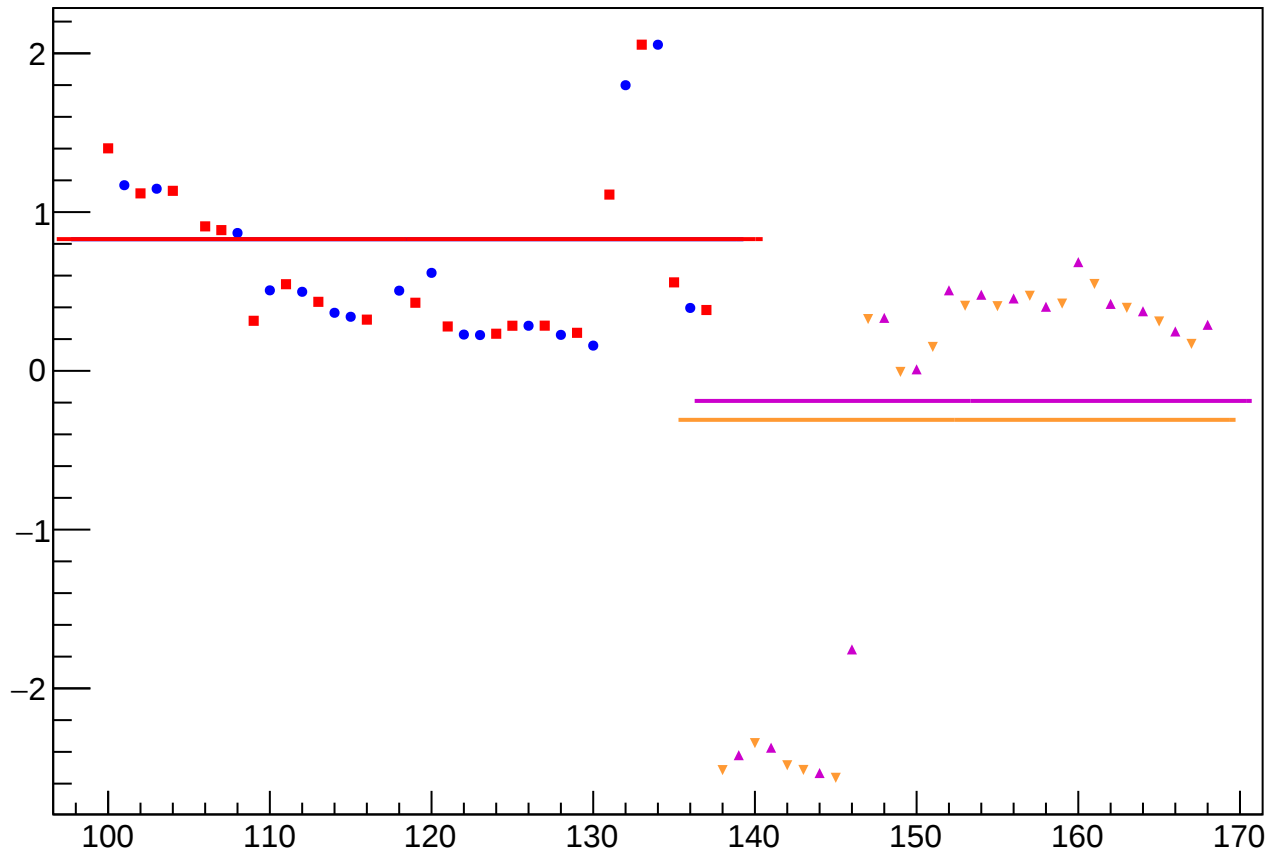
Left In: 0.006+/-0.000 χ^2/NDF : 242286.0/14

+ sign 0.004+/-0.000 χ^2/NDF : 2788335.9/32

All: 0.004+/-0.000 χ^2/NDF : 5872013.9/66

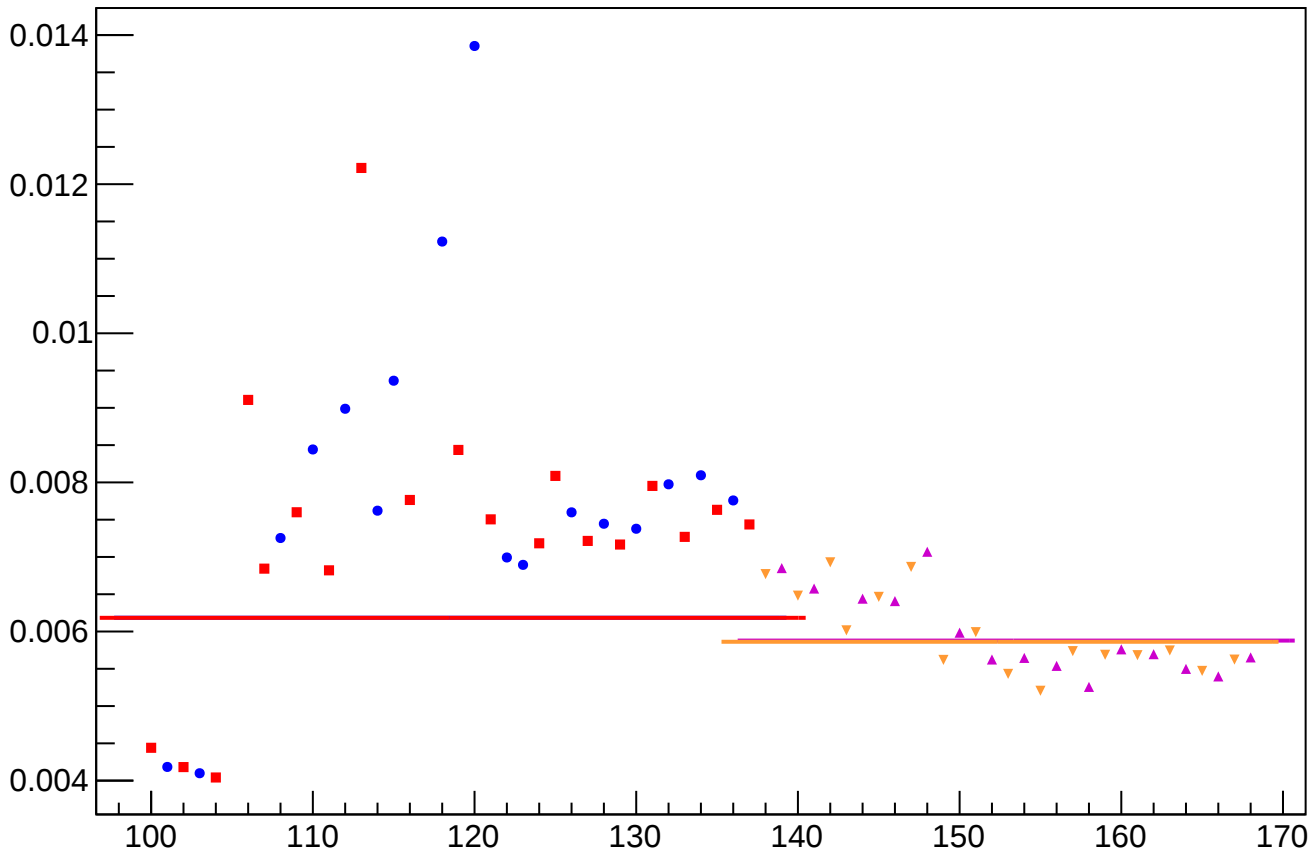
- sign 0.004+/-0.000 χ^2/NDF : 3078357.4/33

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000	χ^2/NDF : 31718573821.2/16	+ sign 0.037+/-0.000	χ^2/NDF : 606521699186.9/32
Left Out: -0.309+/-0.000	χ^2/NDF : 449559037228.4/15	All: 0.090+/-0.000	χ^2/NDF : 1139641674858.
Right Out: 0.830+/-0.000	χ^2/NDF : 33335665437.8/18	- sign 0.142+/-0.000	χ^2/NDF : 530545601866.1/33
Left In: -0.189+/-0.000	χ^2/NDF : 390745325213.0/14		

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.006+/-0.000 χ^2/NDF : 148691.8/15

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

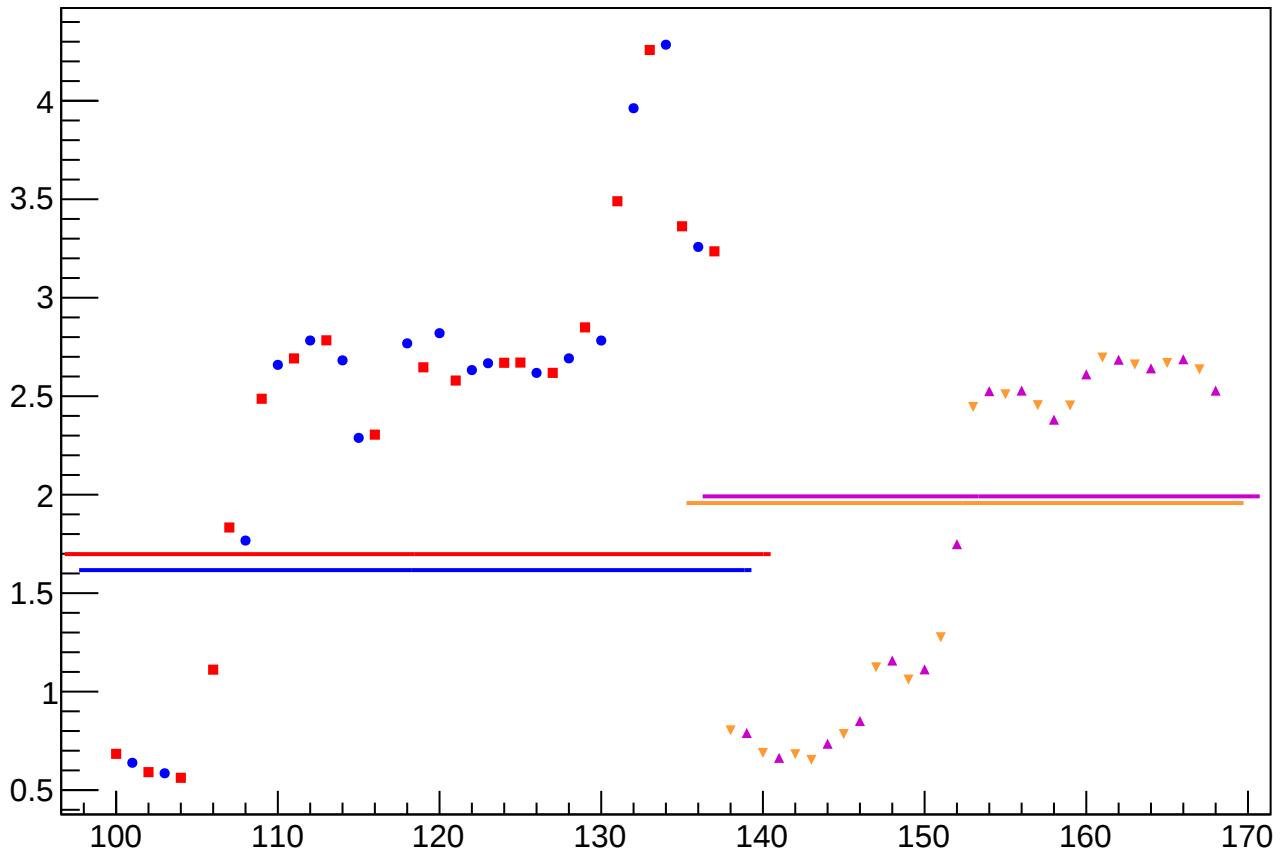
Left In: 0.006+/-0.000 χ^2/NDF : 160366.3/14

+ sign 0.006+/-0.000 χ^2/NDF : 1397761.4/32

All: 0.006+/-0.000 χ^2/NDF : 2604211.5/66

- sign 0.006+/-0.000 χ^2/NDF : 1206311.7/33

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.957+/-0.000 χ^2/NDF : 244647498411.7/15

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

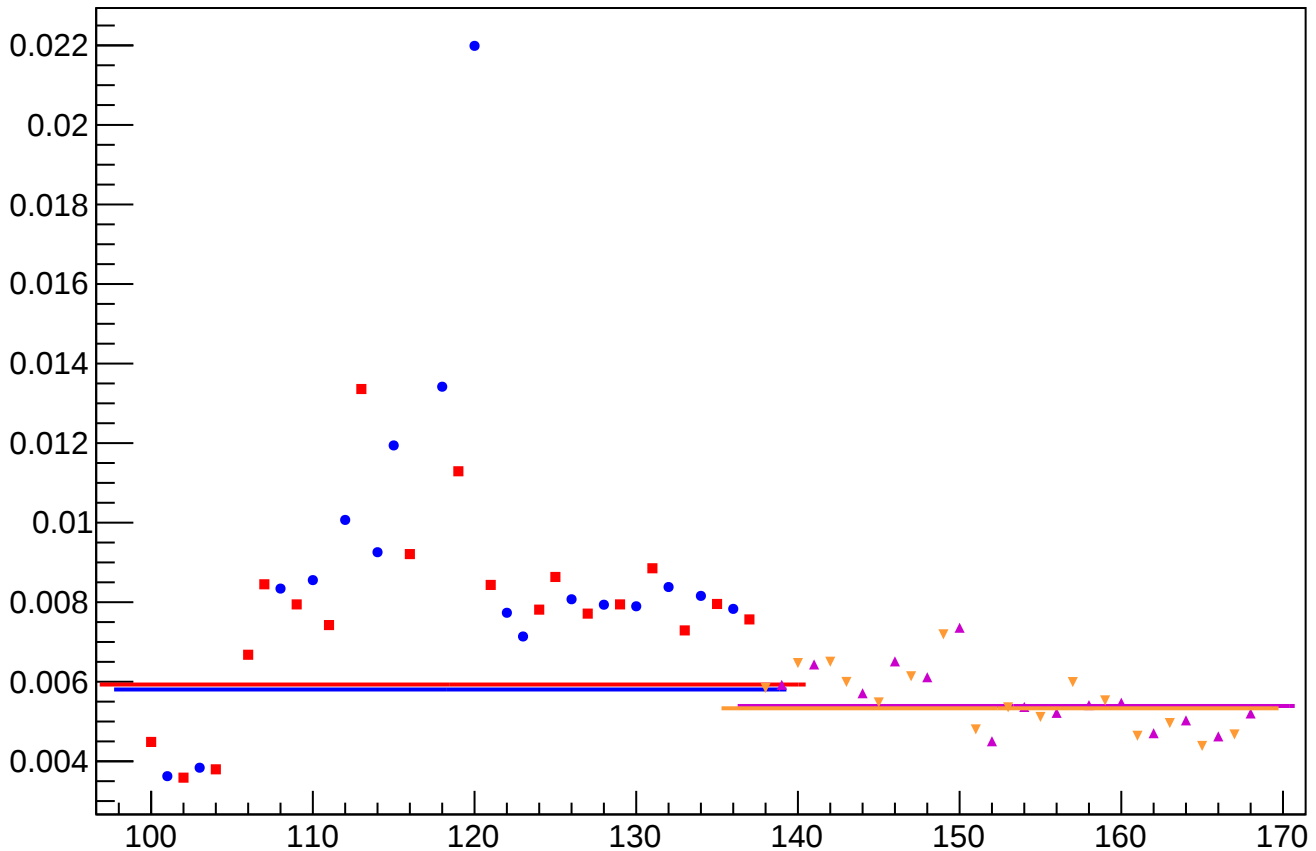
Left In: 1.991+/-0.000 χ^2/NDF : 212132712832.5/14

+ sign 1.861+/-0.000 χ^2/NDF : 459444438108.5/32

All: 1.883+/-0.000 χ^2/NDF : 908627000627.9

- sign 1.904+/-0.000 χ^2/NDF : 448724368958.0/33

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 361044.3/15

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

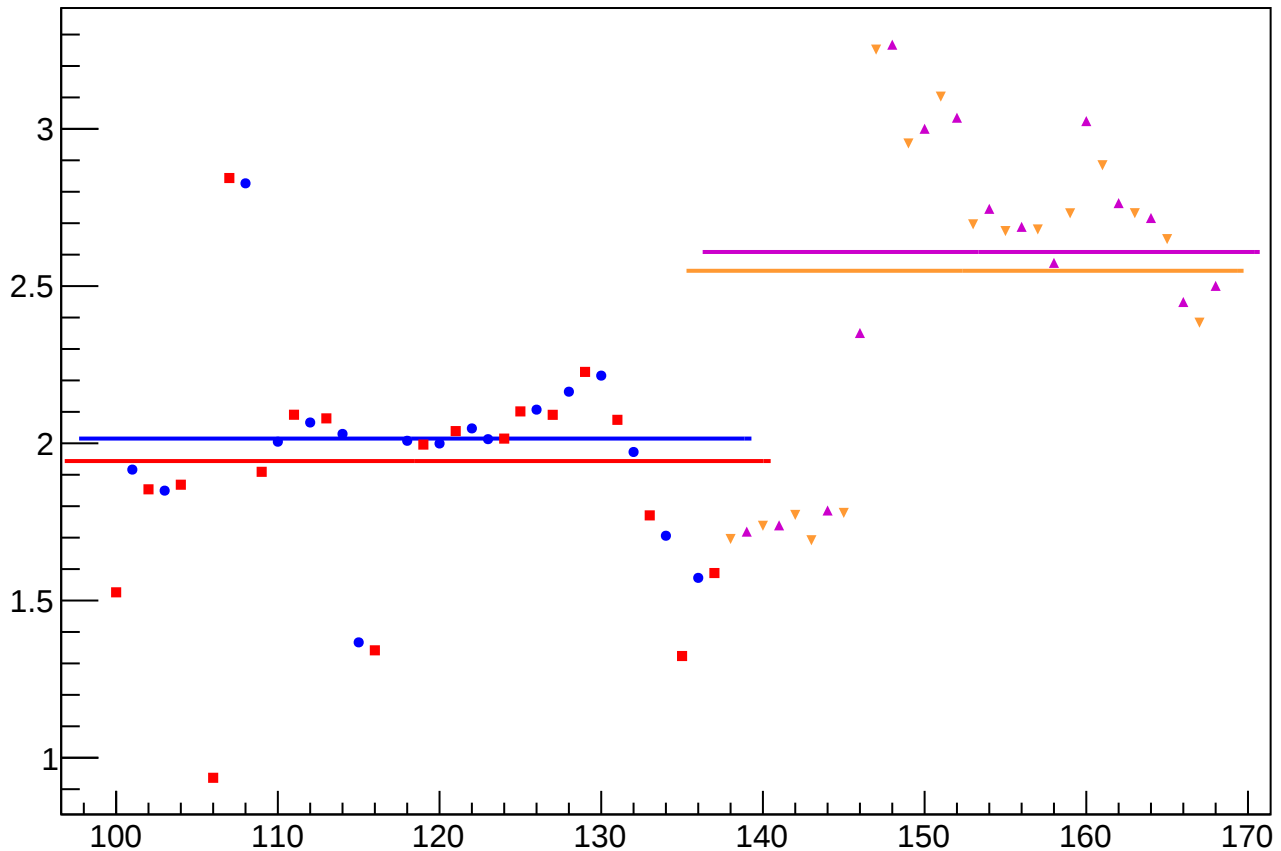
Left In: 0.005+/-0.000 χ^2/NDF : 342408.6/14

+ sign 0.005+/-0.000 χ^2/NDF : 2324981.9/32

All: 0.006+/-0.000 χ^2/NDF : 4418848.8/66

- sign 0.006+/-0.000 χ^2/NDF : 2090115.1/33

yield_bpm0l06X_mean vs Slug



Right In: 2.015 $\pm$ 0.000 χ^2 /NDF: 12228403202.6/16

Left Out: 2.549 $\pm$ 0.000 χ^2 /NDF: 48539480448.5/15

Right Out: 1.944 $\pm$ 0.000 χ^2 /NDF: 21427099579.0/18

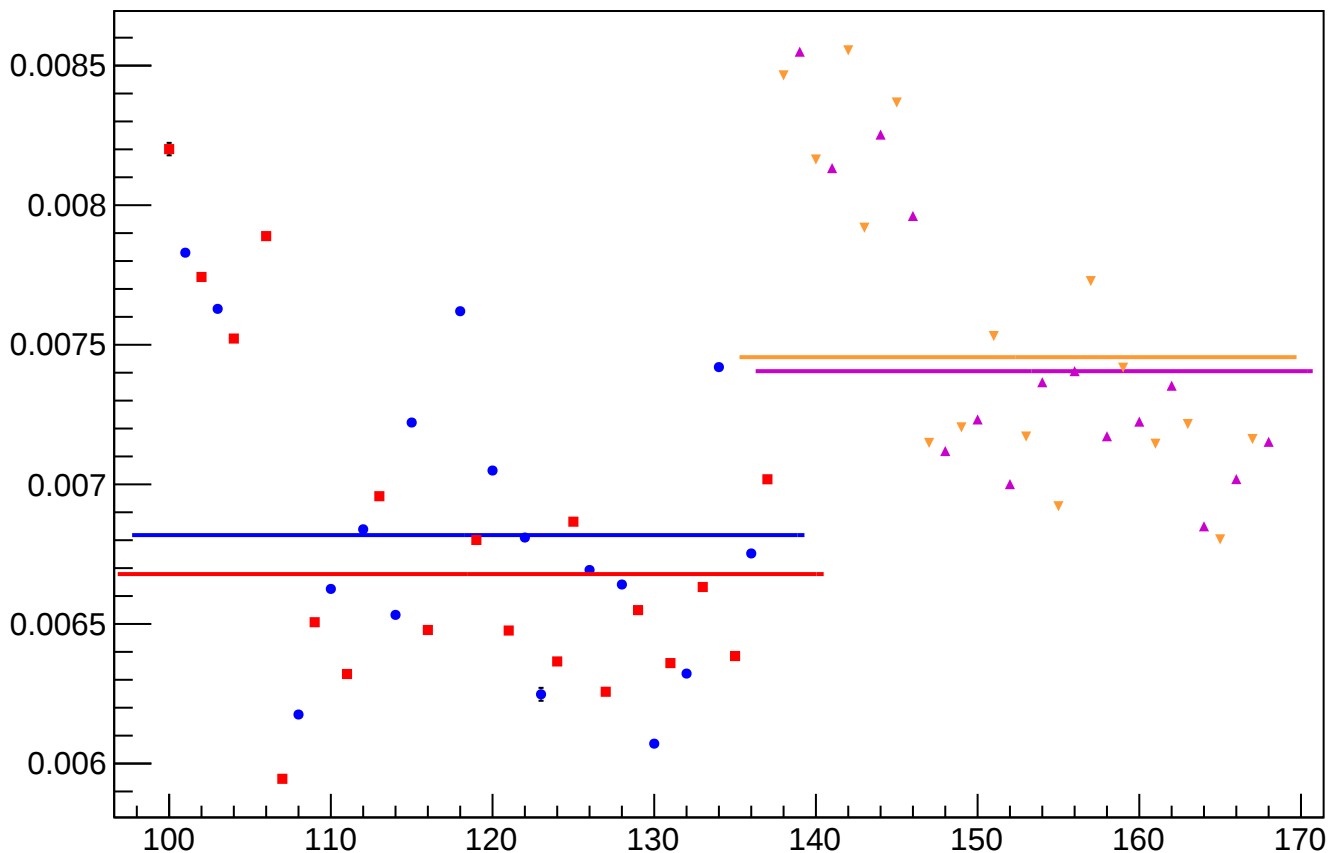
Left In: 2.608 $\pm$ 0.000 χ^2 /NDF: 41104481573.4/14

+ sign 2.333 $\pm$ 0.000 χ^2 /NDF: 83970446647.7/32

All: 2.328 $\pm$ 0.000 χ^2 /NDF: 184979474992.3

- sign 2.324 $\pm$ 0.000 χ^2 /NDF: 100994599010.7/33

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 75813.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:100800.2/15

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 75718.4/18

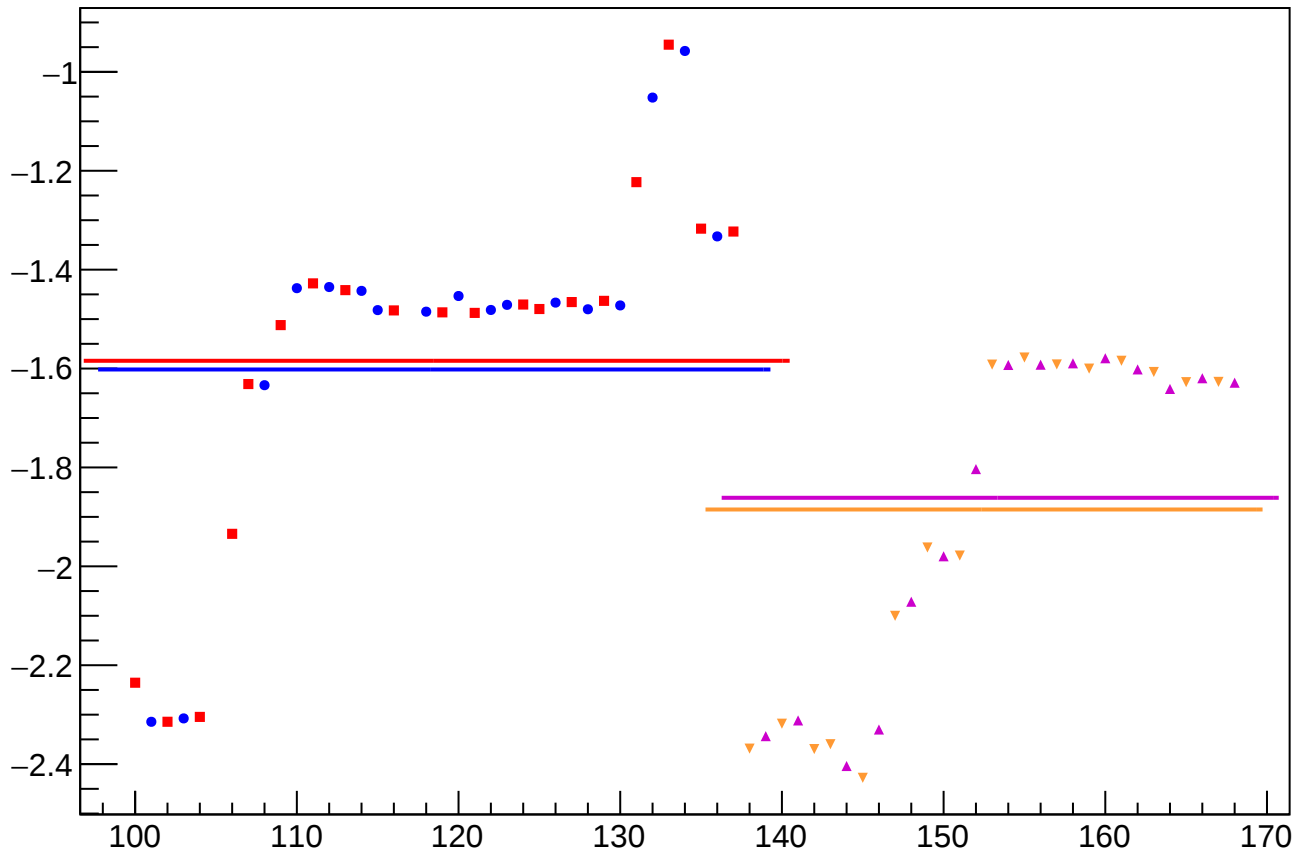
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:85387.5/14

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 242823.0/32

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 499579.2/66

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 253033.1/33

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.885+/-0.000 χ^2/NDF : 154465628134.6/15

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

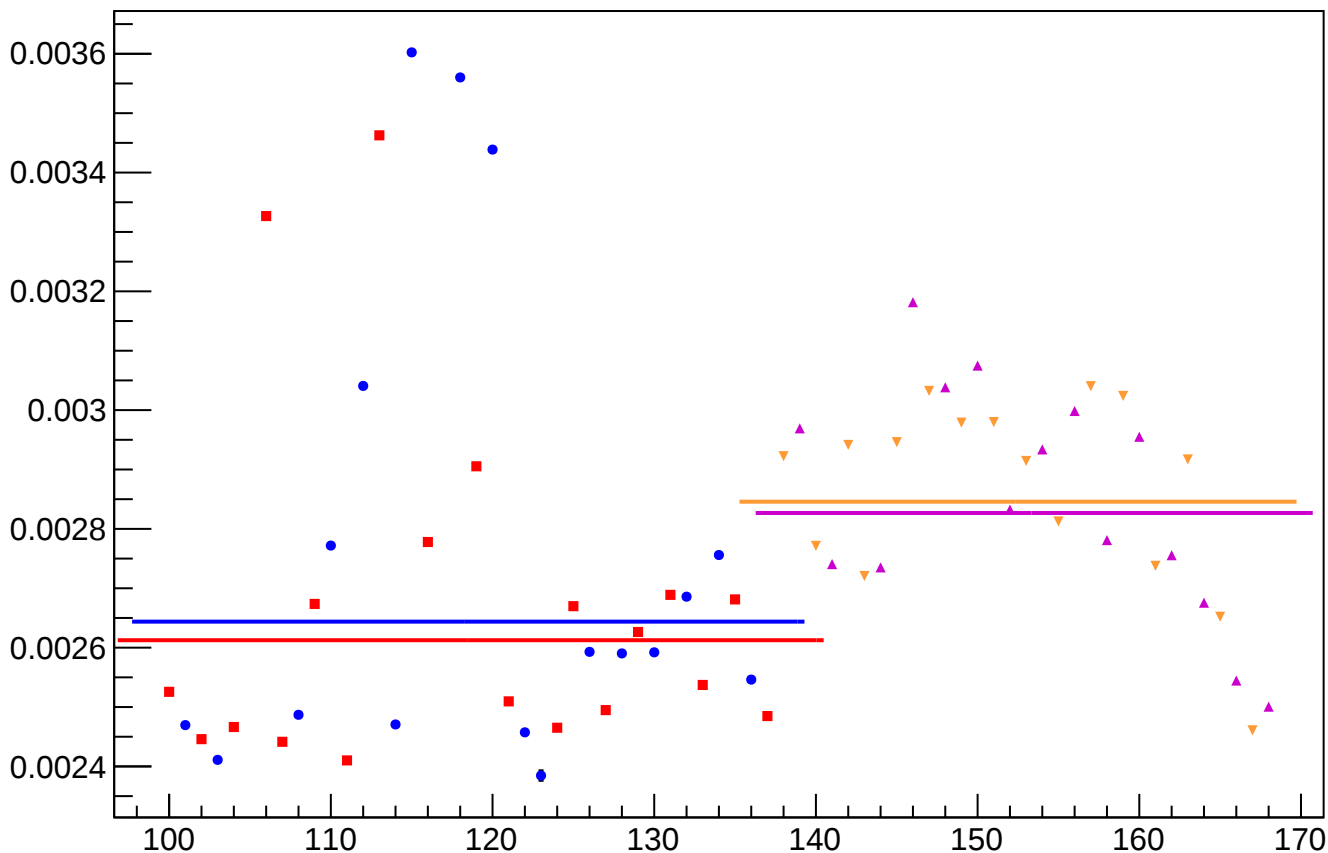
Left In: -1.861+/-0.000 χ^2/NDF : 140891272511.7/14

+ sign -1.773+/-0.000 χ^2/NDF : 338245535437.7/32

All: -1.760+/-0.000 χ^2/NDF : 667565792172.5

- sign -1.747+/-0.000 χ^2/NDF : 328514259860.5/33

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 151383.5/16

Left Out: 0.003+/-0.000 χ^2/NDF : 78196.3/15

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

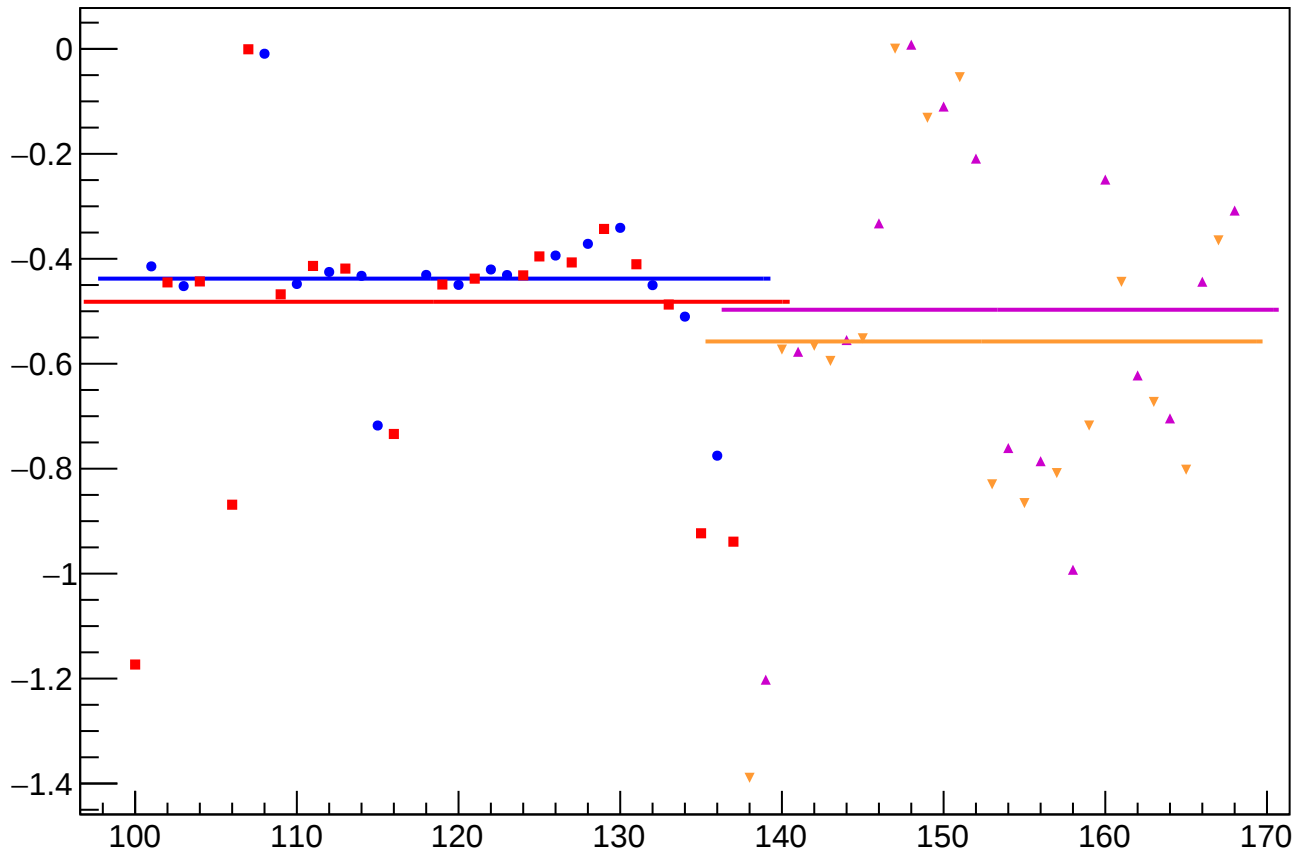
Left In: 0.003+/-0.000 χ^2/NDF : 98188.5/14

+ sign 0.003+/-0.000 χ^2/NDF : 273921.7/32

All: 0.003+/-0.000 χ^2/NDF : 531869.6/66

- sign 0.003+/-0.000 χ^2/NDF : 256157.6/33

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.558+/-0.000 χ^2/NDF : 8020003280.0/15

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

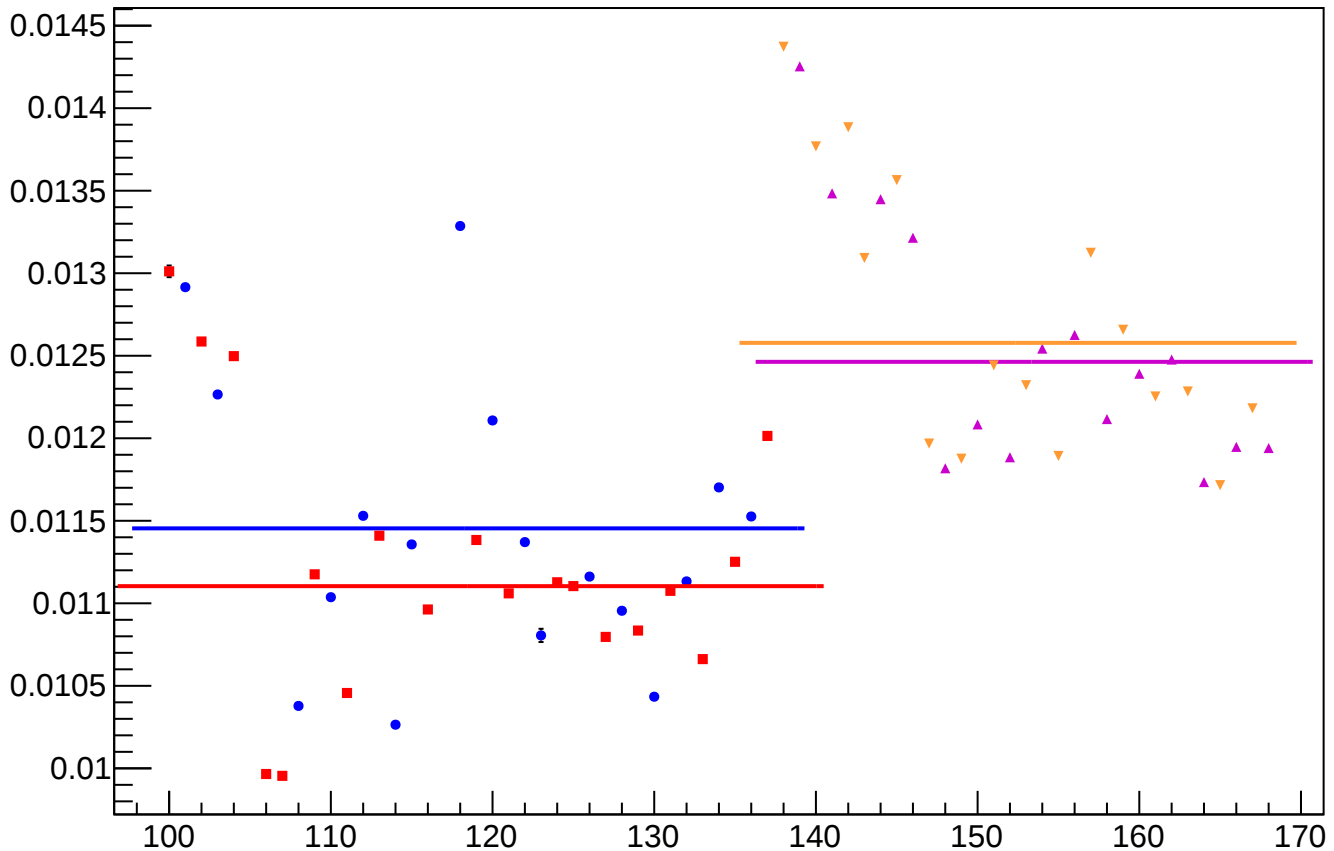
Left In: -0.497+/-0.000 χ^2/NDF : 7328762342.9/14

+ sign -0.509+/-0.000 χ^2/NDF : 9900238763.0/32

All: -0.499+/-0.000 χ^2/NDF : 19951225978.1/64

- sign -0.490+/-0.000 χ^2/NDF : 10030665970.6/33

yield_bpm0l07X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 64687.8/16

Left Out: 0.013+/-0.000 χ^2/NDF : 75962.0/15

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

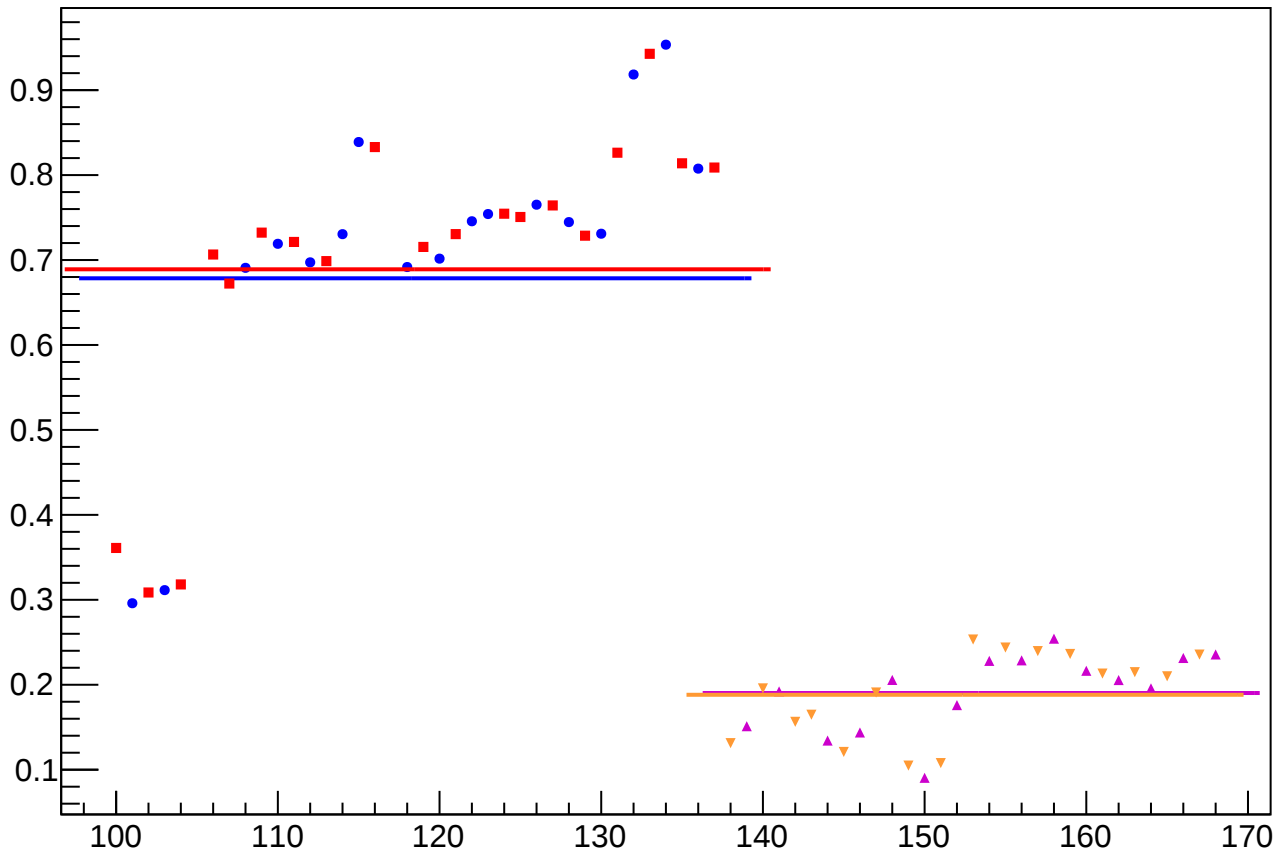
Left In: 0.012+/-0.000 χ^2/NDF : 64389.5/14

+ sign 0.012+/-0.000 χ^2/NDF : 214278.0/32

All: 0.012+/-0.000 χ^2/NDF : 459040.0/66

- sign 0.012+/-0.000 χ^2/NDF : 236807.4/33

yield_bpm0l07Y_mean vs Slug



Right In: 0.678+/-0.000 χ^2/NDF : 38506442638.3/16

Left Out: 0.188+/-0.000 χ^2/NDF : 5895175572.3/15

Right Out: 0.689+/-0.000 χ^2/NDF : 35358596931.1/18

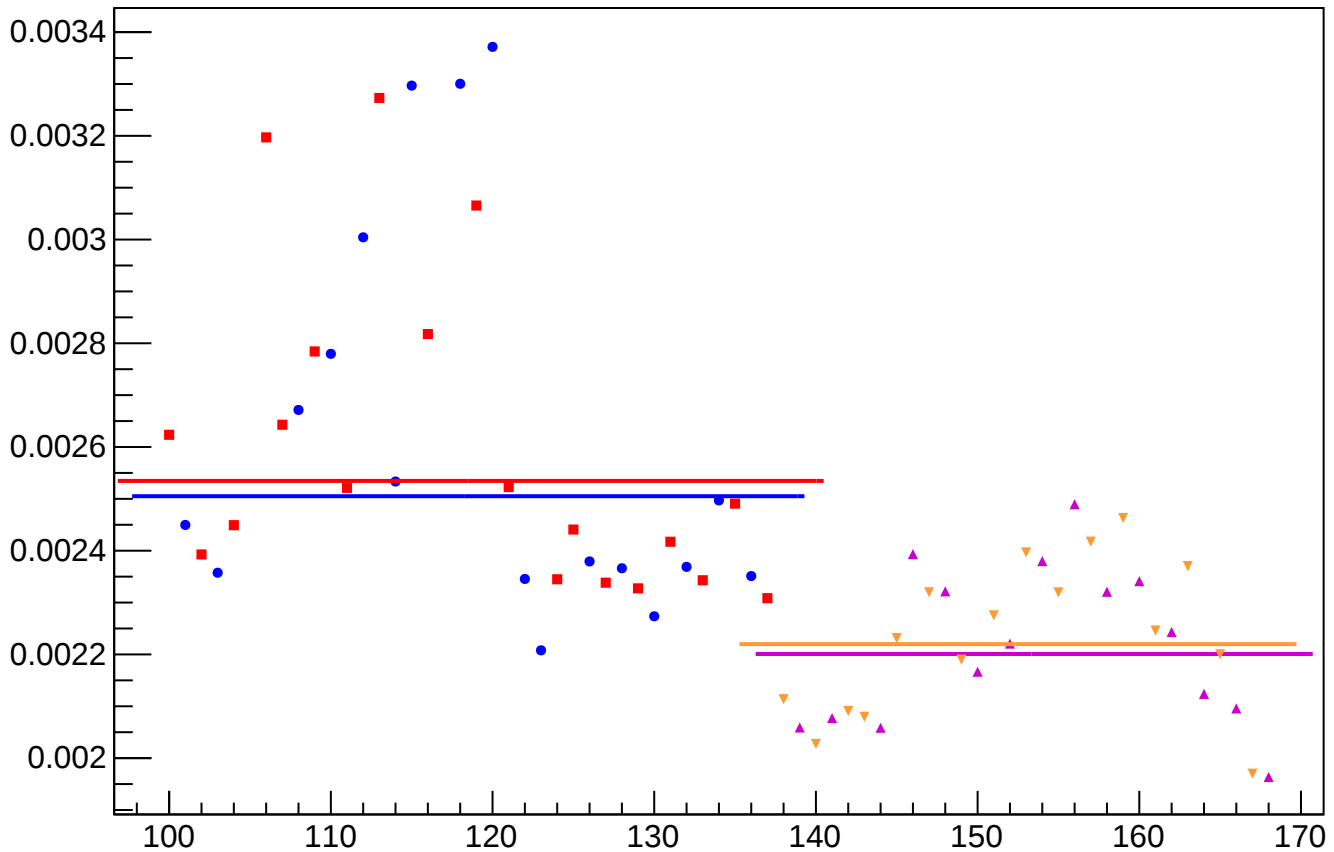
Left In: 0.190+/-0.000 χ^2/NDF : 4881323607.1/14

+ sign 0.335+/-0.000 χ^2/NDF : 215316026879.2/32

All: 0.339+/-0.000 χ^2/NDF : 436062790939.4

- sign 0.342+/-0.000 χ^2/NDF : 220658522143.4/33

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 175524.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:100279.5/15

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 131609.0/18

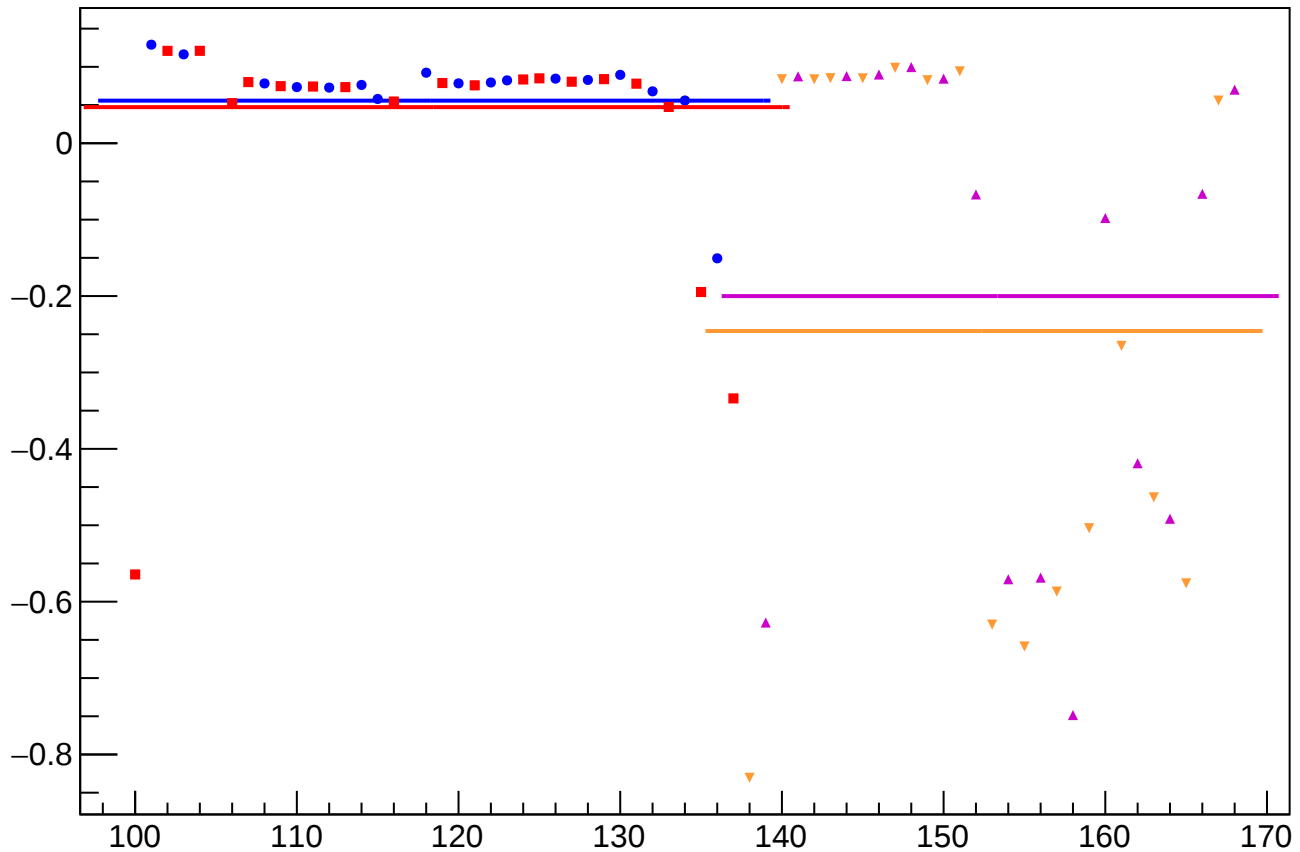
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:105185.8/14

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 391524.5/32

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 789916.6/66

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 398366.6/33

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.246+/-0.000 χ^2/NDF : 9808958199.2/15

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

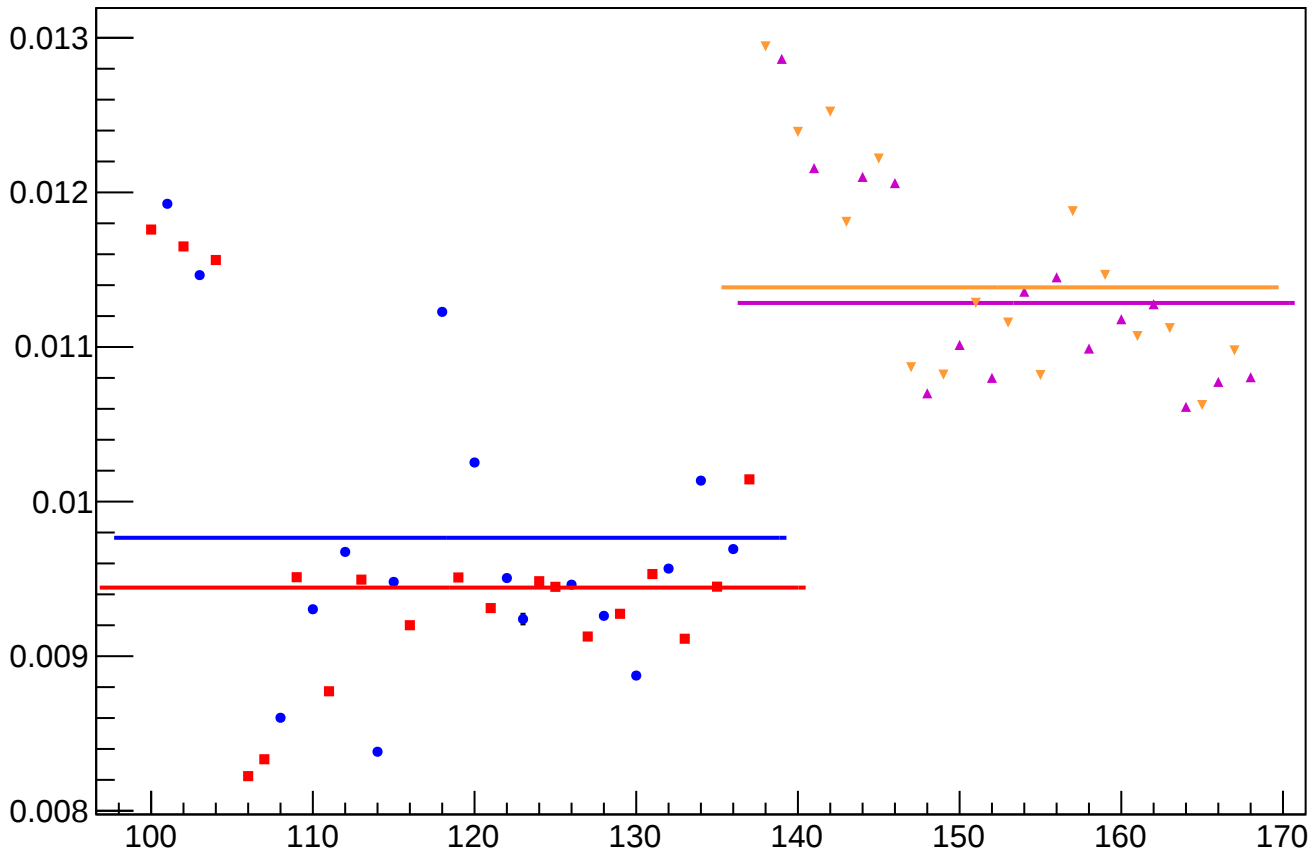
Left In: -0.200+/-0.000 χ^2/NDF : 8333955406.7/14

+ sign -0.114+/-0.000 χ^2/NDF : 13687007470.1/32

All: -0.098+/-0.000 χ^2/NDF : 25422504127.3/33

- sign -0.084+/-0.000 χ^2/NDF : 11662630053.1/33

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116638.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 69189.2/15

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 110693.8/18

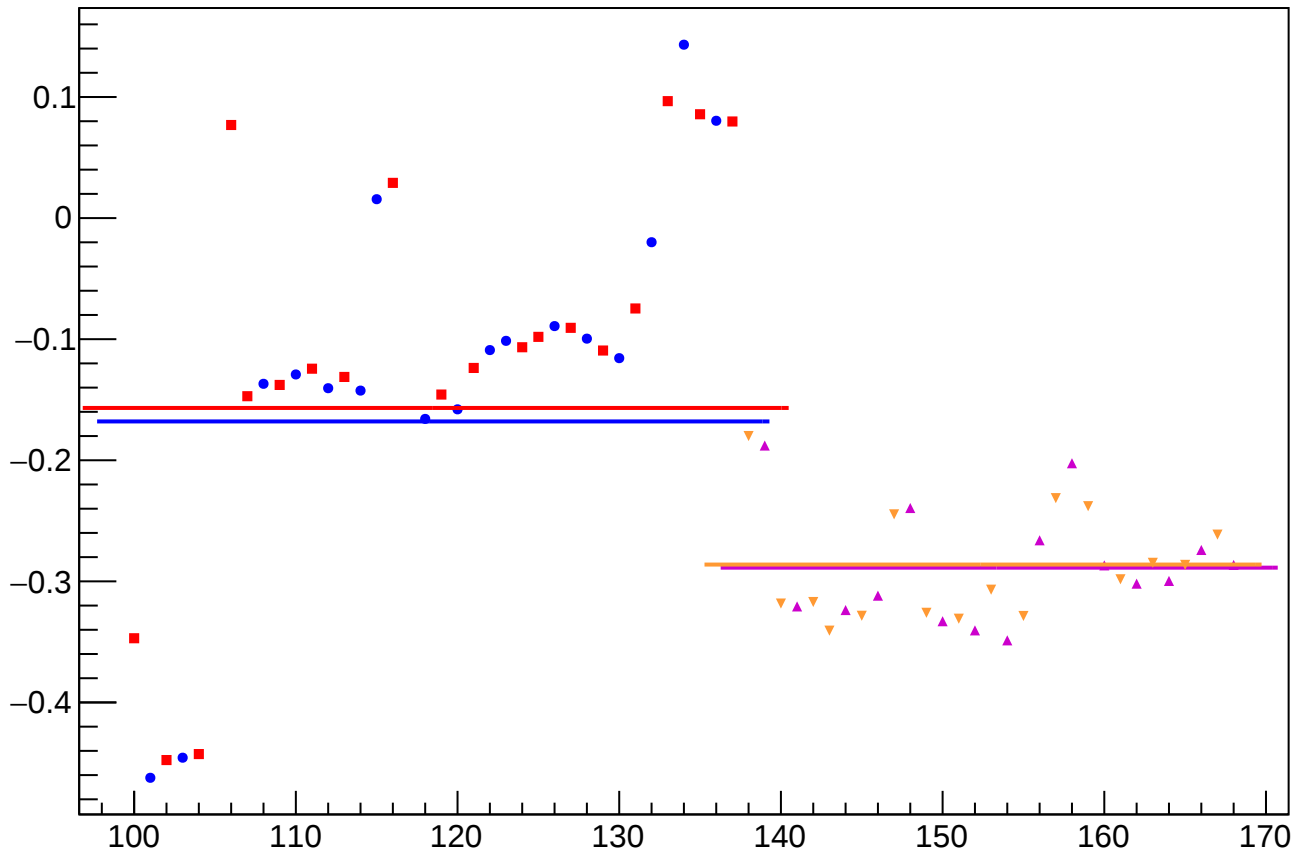
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 62013.5/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 385317.4/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 846824.6/66

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 450840.2/33

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.286+/-0.000 χ^2/NDF : 2766273185.2/15

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

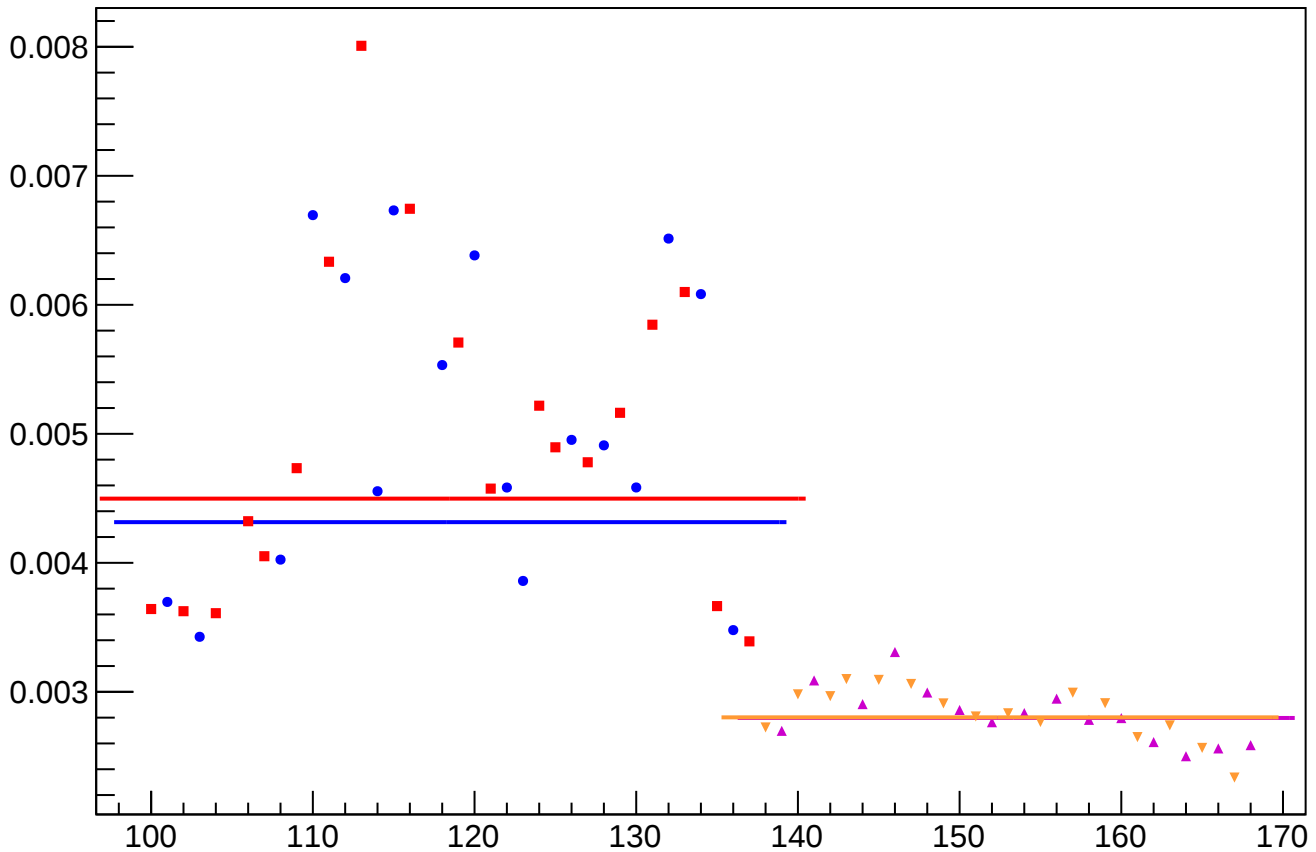
Left In: -0.289+/-0.000 χ^2/NDF : 3080990457.2/14

+ sign -0.265+/-0.000 χ^2/NDF : 18678038022.0/32

All: -0.265+/-0.000 χ^2/NDF : 37182646546.0/32

- sign -0.265+/-0.000 χ^2/NDF : 18504586922.6/33

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003+/-0.000 χ^2/NDF :131613.5/15

Right Out: 0.004+/-0.000 χ^2/NDF : 649708.4/18

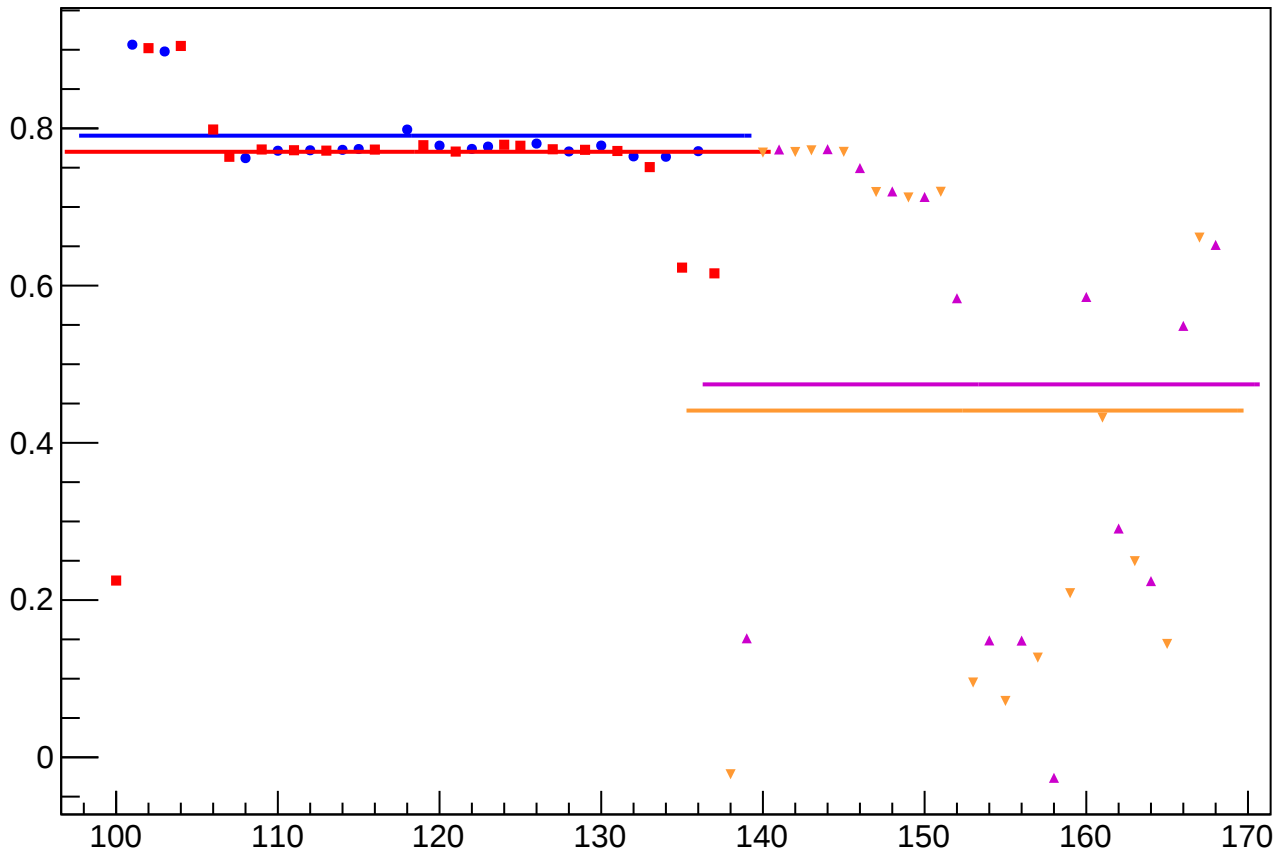
Left In: 0.003+/-0.000 χ^2/NDF :106957.4/14

+ sign 0.003+/-0.000 χ^2/NDF : 1924866.5/32

All: 0.003+/-0.000 χ^2/NDF : 4143976.7/66

- sign 0.003+/-0.000 χ^2/NDF : 2217731.5/33

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.441 $\pm$ 0.000 χ^2 /NDF: 7992611471.8/15

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

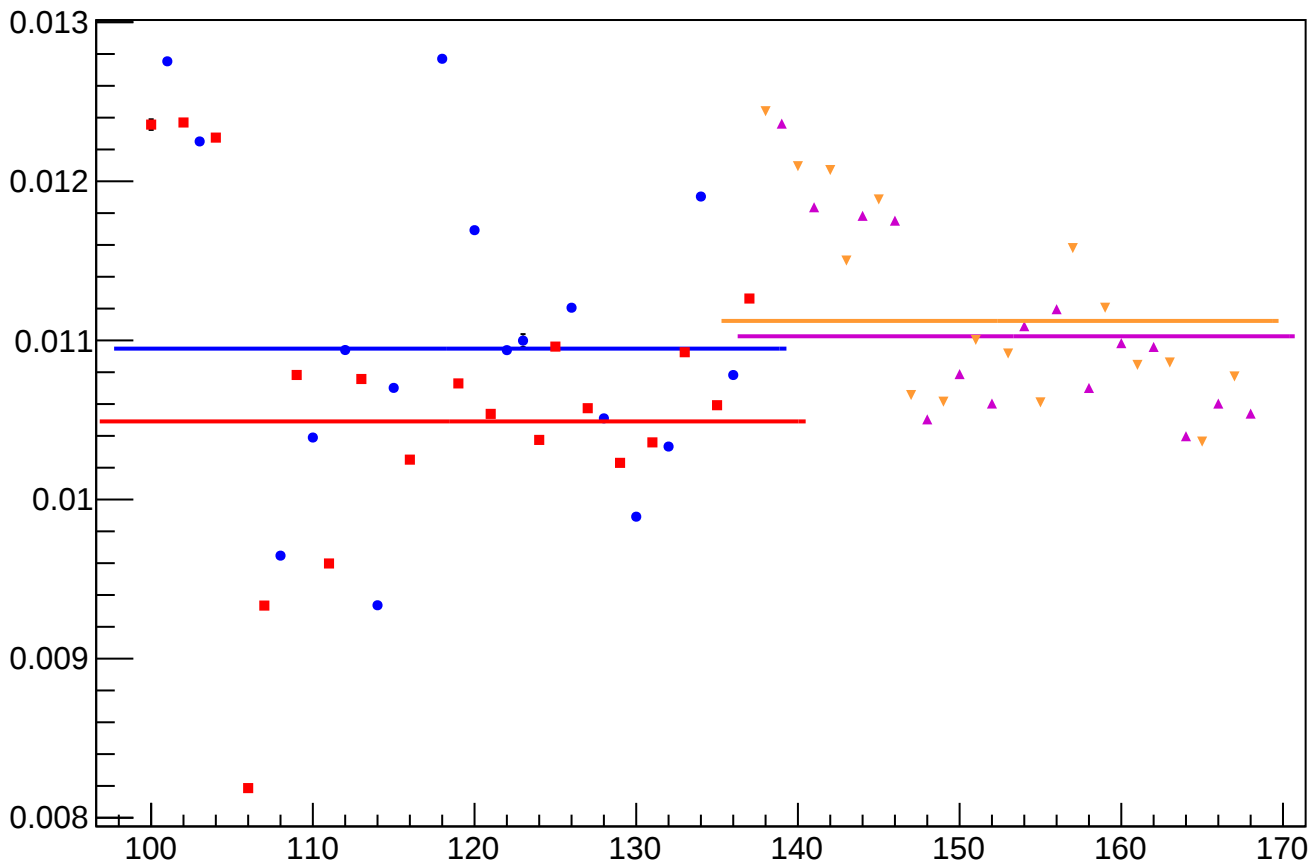
Left In: 0.474 $\pm$ 0.000 χ^2 /NDF: 6788070609.3/14

+ sign 0.570 $\pm$ 0.000 χ^2 /NDF: 12244274356.7/32

All: 0.583 $\pm$ 0.000 χ^2 /NDF: 22714573226.8/6

- sign 0.594 $\pm$ 0.000 χ^2 /NDF: 10426909272.2/33

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 59807.3/15

Right Out: 0.010+/-0.000 χ^2/NDF : 119420.8/18

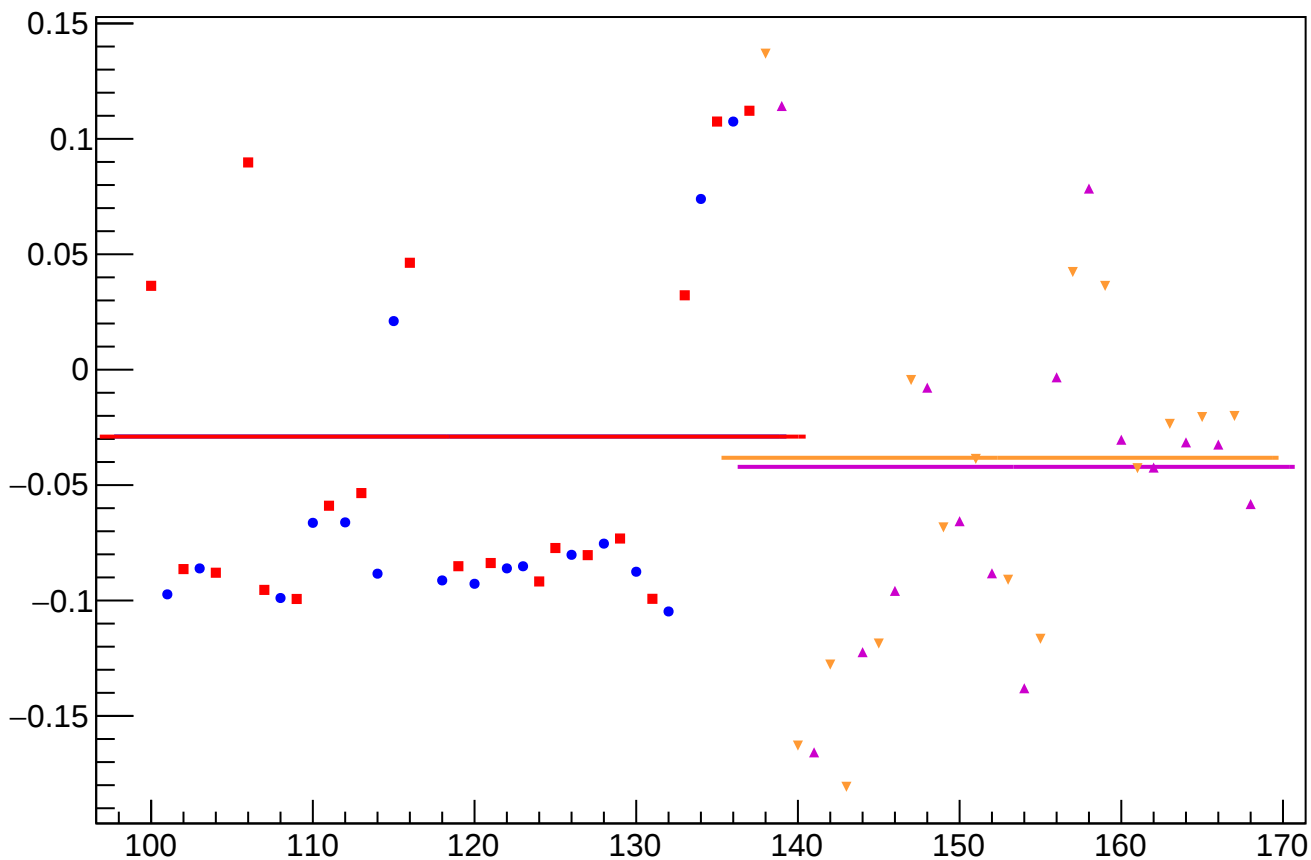
Left In: 0.011+/-0.000 χ^2/NDF : 53855.1/14

+ sign 0.011+/-0.000 χ^2/NDF : 160415.2/32

All: 0.011+/-0.000 χ^2/NDF : 364345.4/66

- sign 0.011+/-0.000 χ^2/NDF : 194623.2/33

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.038+/-0.000 χ^2/NDF : 6720996060.9/15

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

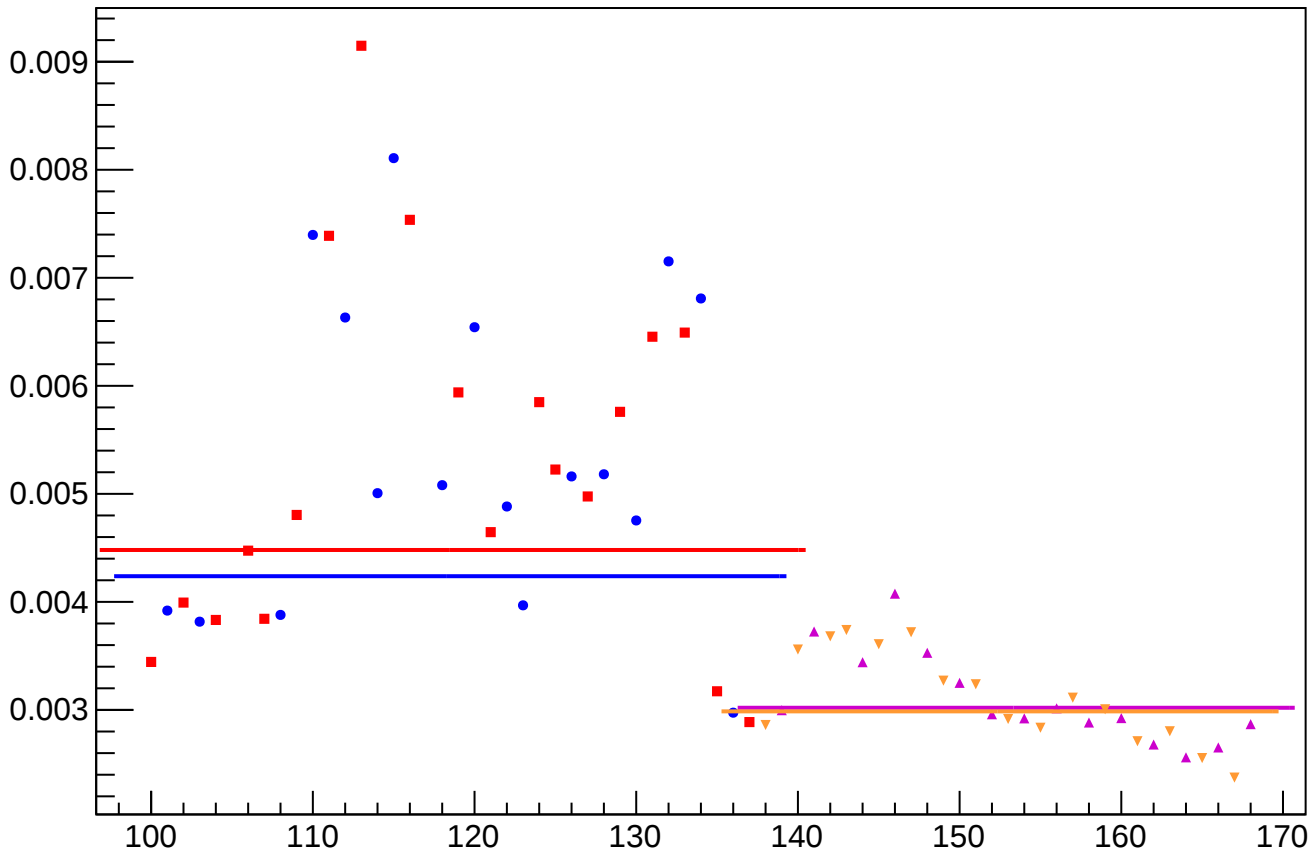
Left In: -0.042+/-0.000 χ^2/NDF : 5864384544.6/14

+ sign -0.036+/-0.000 χ^2/NDF : 9187711398.1/32

All: -0.038+/-0.000 χ^2/NDF : 17213101499.7/33

- sign -0.040+/-0.000 χ^2/NDF : 8017812009.3/33

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 881584.1/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394888.8/15

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 984186.1/18

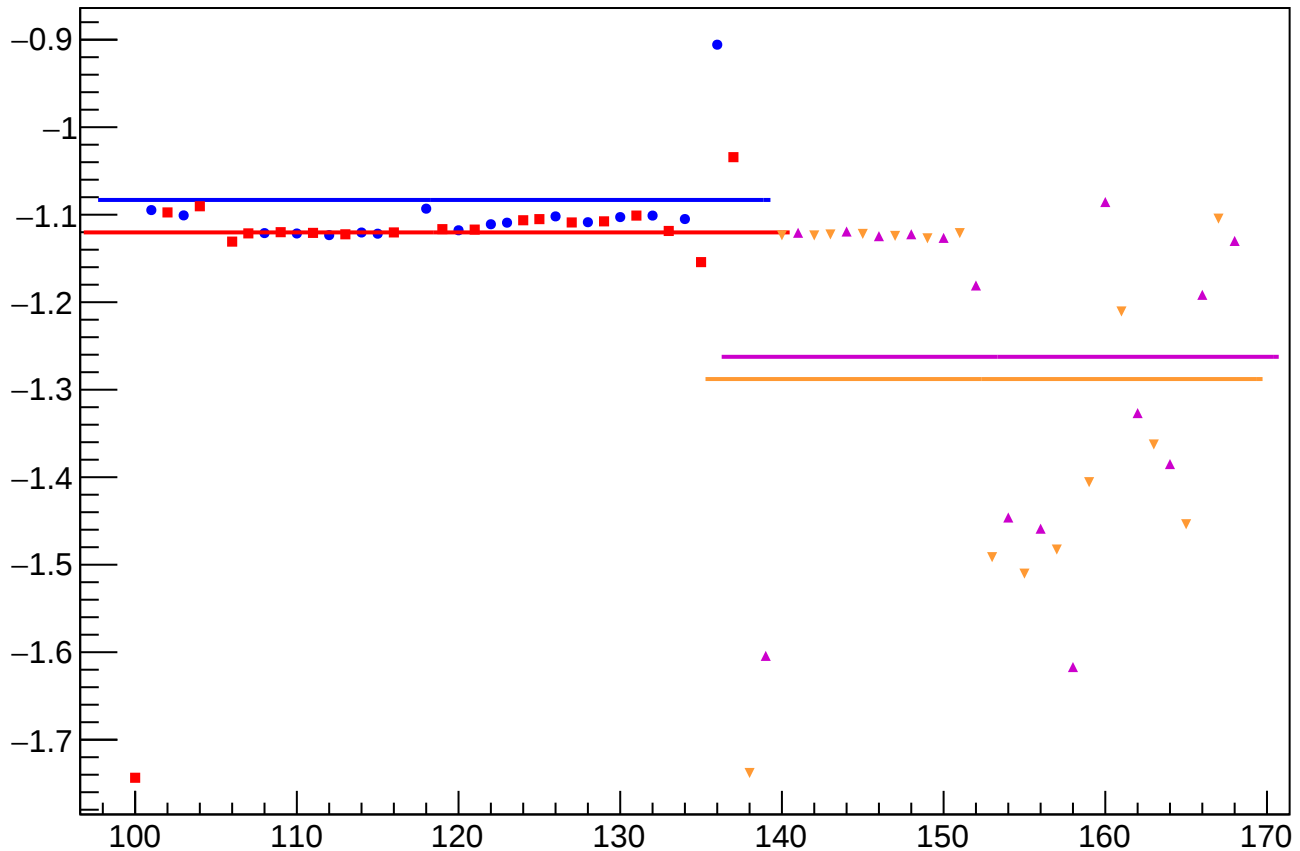
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:298824.4/14

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2040150.3/32

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4327491.6/66

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2279400.6/33

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2 /NDF: 202920901.6/16

Left Out: -1.288+/-0.000 χ^2 /NDF: 4044599395.3/15

Right Out: -1.120+/-0.000 χ^2 /NDF: 220571280.7/18

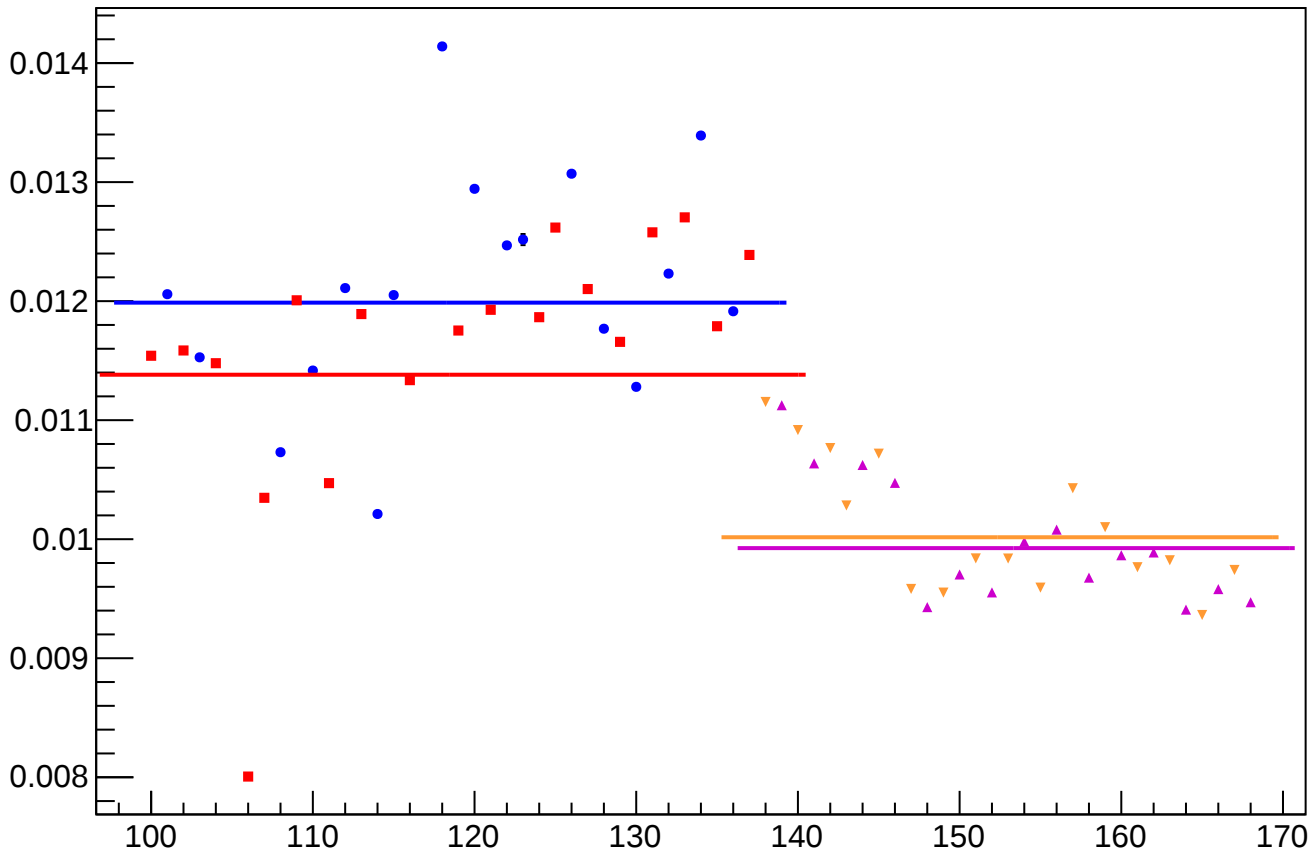
Left In: -1.262+/-0.000 χ^2 /NDF: 3646711032.4/14

+ sign -1.230+/-0.000 χ^2 /NDF: 5593795168.1/32

All: -1.224+/-0.000 χ^2 /NDF: 10203986072.1/33

- sign -1.217+/-0.000 χ^2 /NDF: 4597317607.0/33

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 57078.7/15

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

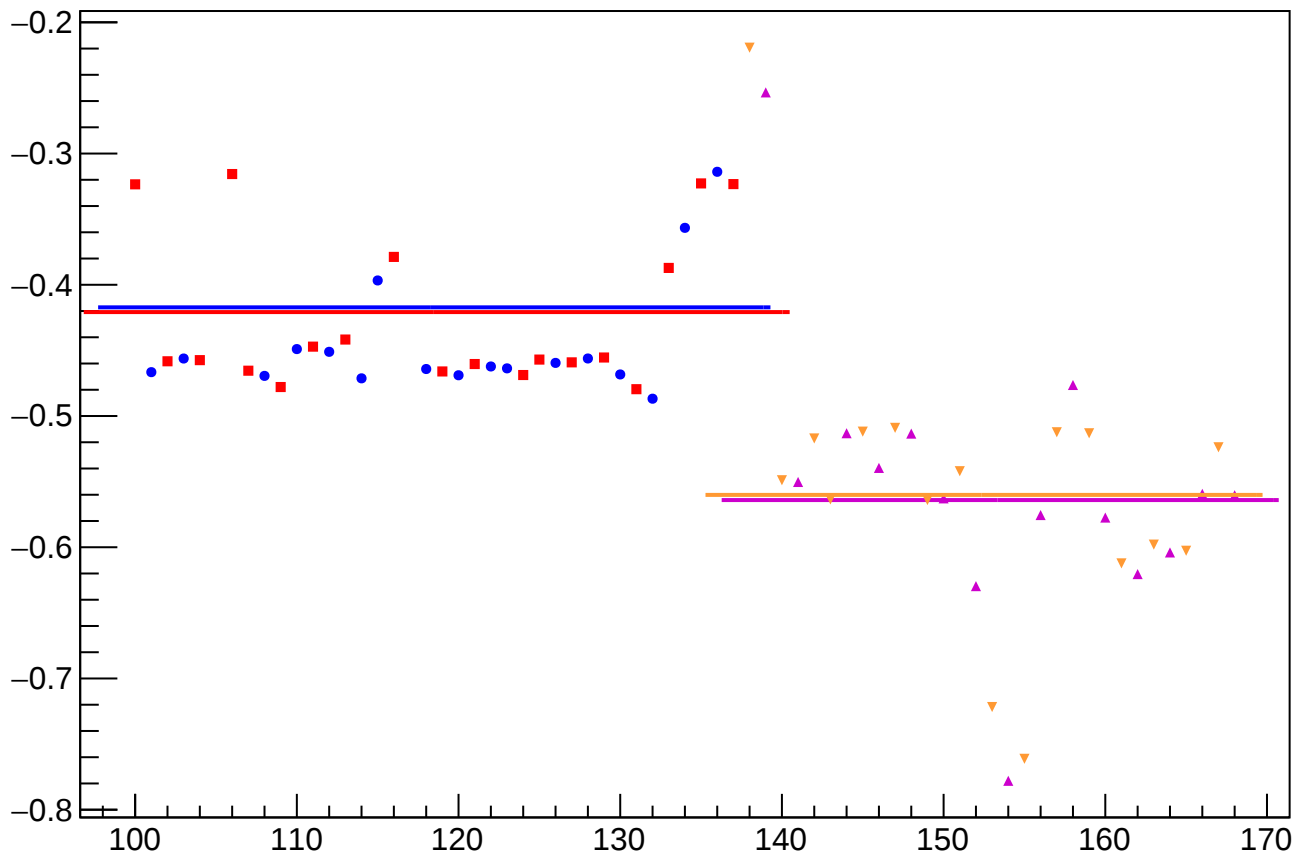
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 51679.3/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 367173.8/32

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 732364.2/66

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 359499.1/33

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.560+/-0.000 χ^2/NDF : 13235775033.6/15

Right Out: -0.421+/-0.000 χ^2/NDF : 1646463410.7/18

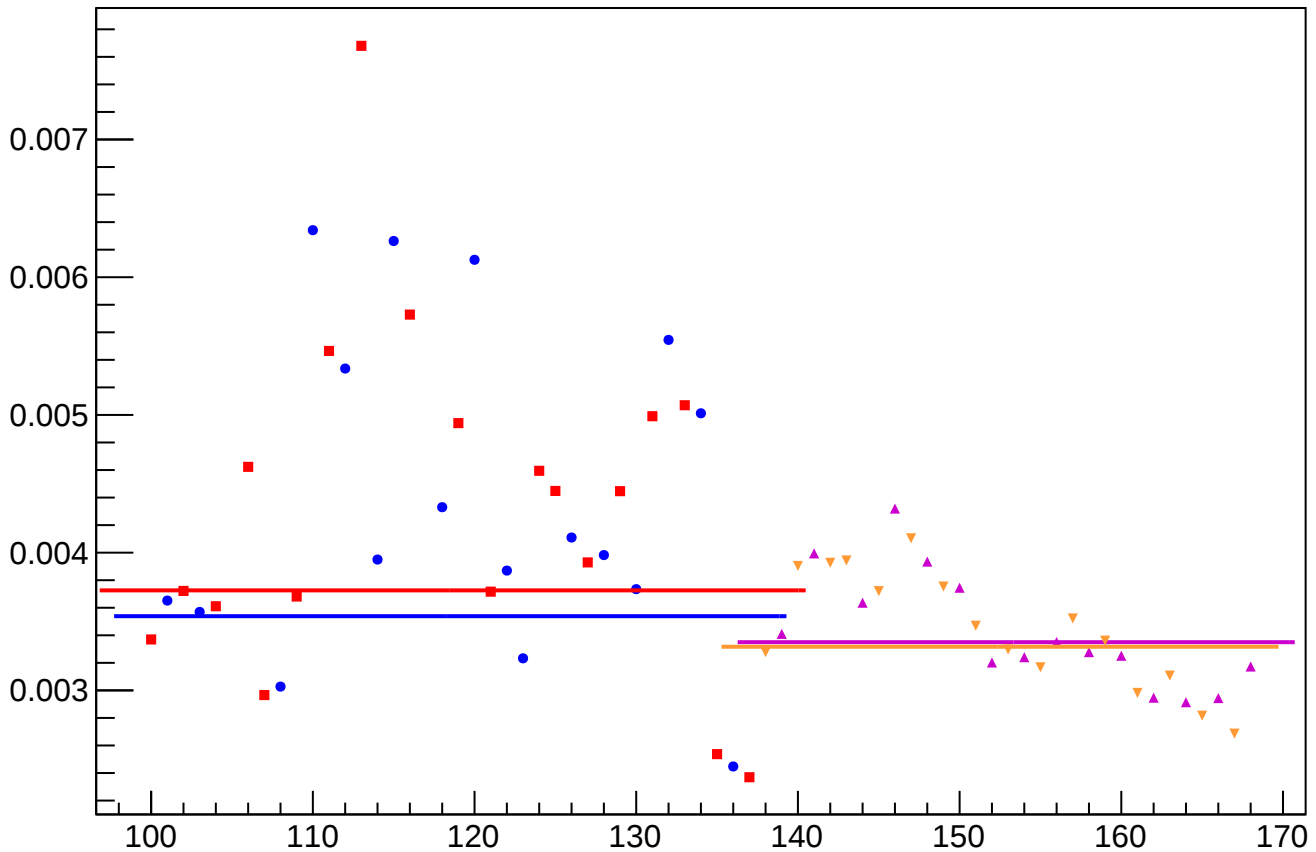
Left In: -0.564+/-0.000 χ^2/NDF : 10408138866.9/14

+ sign -0.517+/-0.000 χ^2/NDF : 21444967354.8/32

All: -0.518+/-0.000 χ^2/NDF : 39520846920.6/33

- sign -0.520+/-0.000 χ^2/NDF : 18066264005.4/33

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 836154.0/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:327124.4/15

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

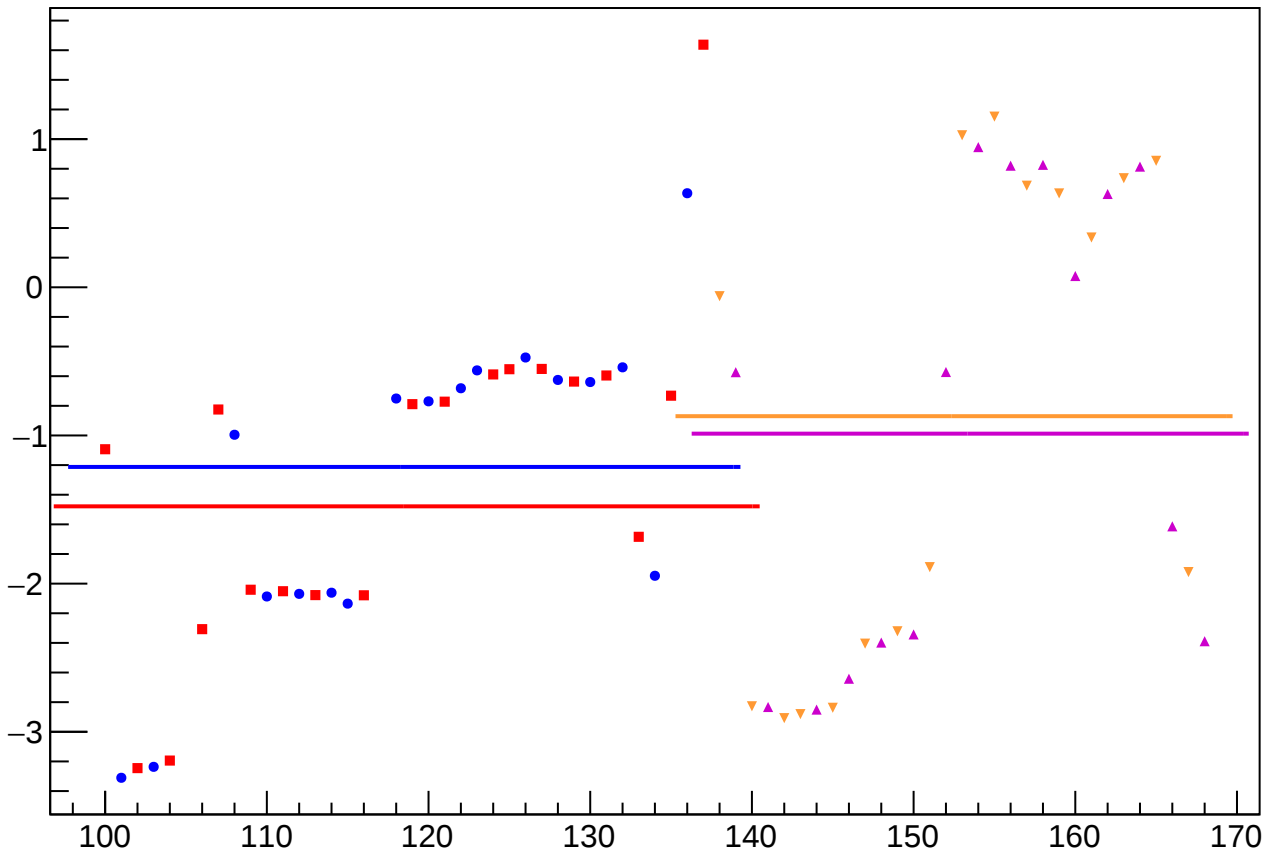
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:251701.5/14

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1192999.6/32

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2435189.2/66

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1233107.0/33

yield_bpm0r03X_mean vs Slug



Right In: -1.212 ± 0.000 $\chi^2/\text{NDF}: 1992853443.9/16$

Left Out: -0.870 ± 0.000 $\chi^2/\text{NDF}: 5279145426.7/15$

Right Out: -1.478 ± 0.000 $\chi^2/\text{NDF}: 1578264383.8/18$

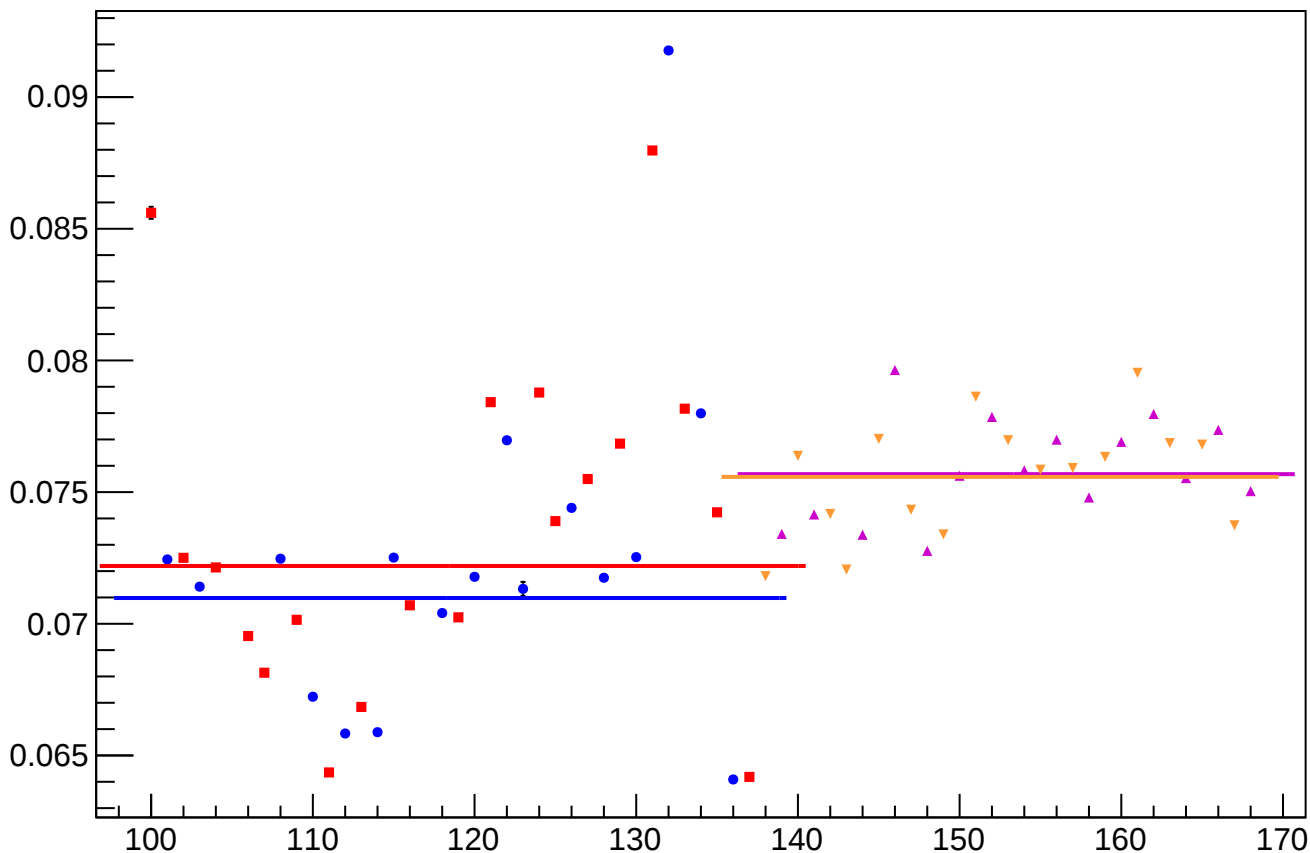
Left In: -0.988 ± 0.000 $\chi^2/\text{NDF}: 4561145602.8/14$

+ sign -1.003 ± 0.000 $\chi^2/\text{NDF}: 7365408683.4/32$

All: -1.094 ± 0.000 $\chi^2/\text{NDF}: 13752118036.8/66$

- sign -1.184 ± 0.000 $\chi^2/\text{NDF}: 6331964991.9/33$

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.076+/-0.000 χ^2/NDF : 18555.8/15

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

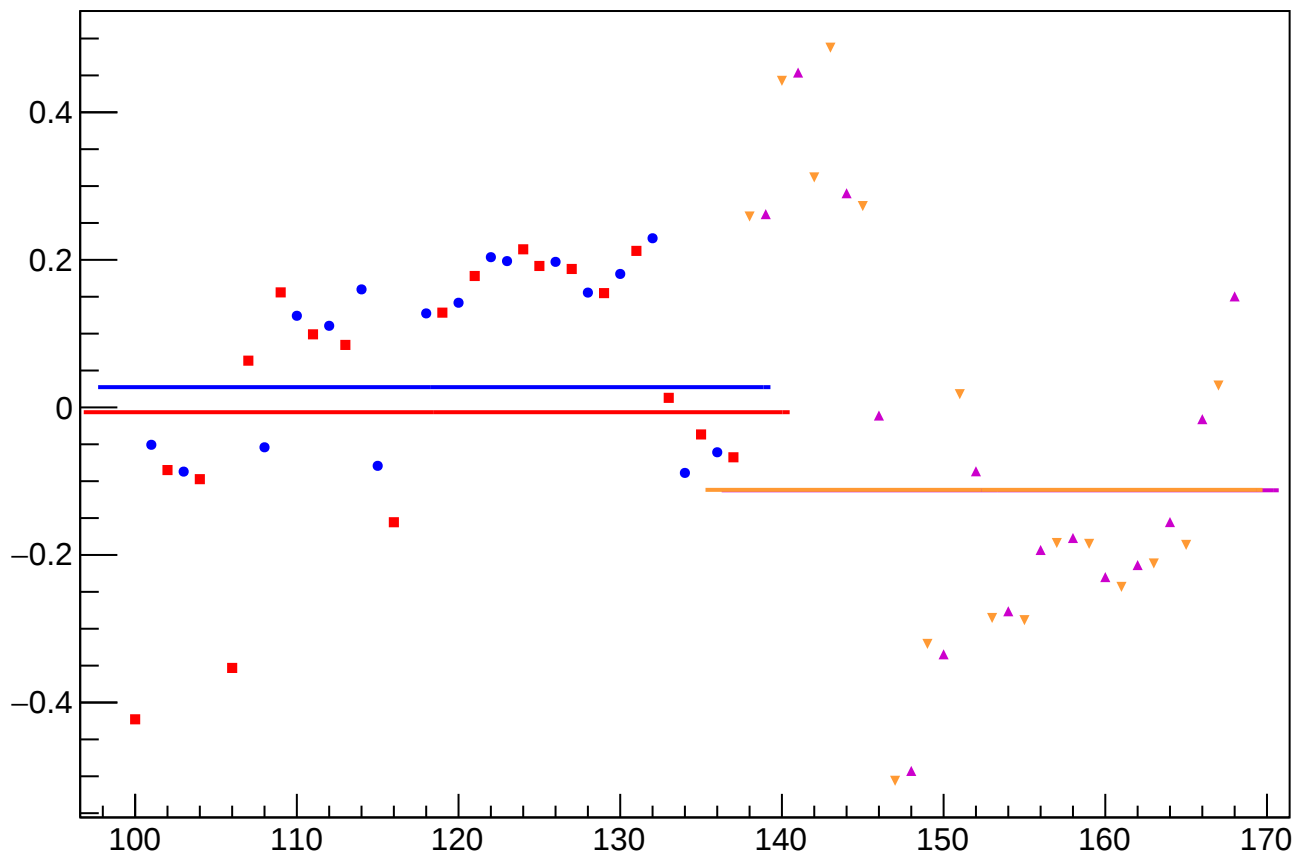
Left In: 0.076+/-0.000 χ^2/NDF : 14079.5/14

+ sign 0.074+/-0.000 χ^2/NDF : 129846.1/32

All: 0.074+/-0.000 χ^2/NDF : 237438.9/66

- sign 0.074+/-0.000 χ^2/NDF : 106763.7/33

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.112+/-0.000 χ^2/NDF : 14286190514.4/15

Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

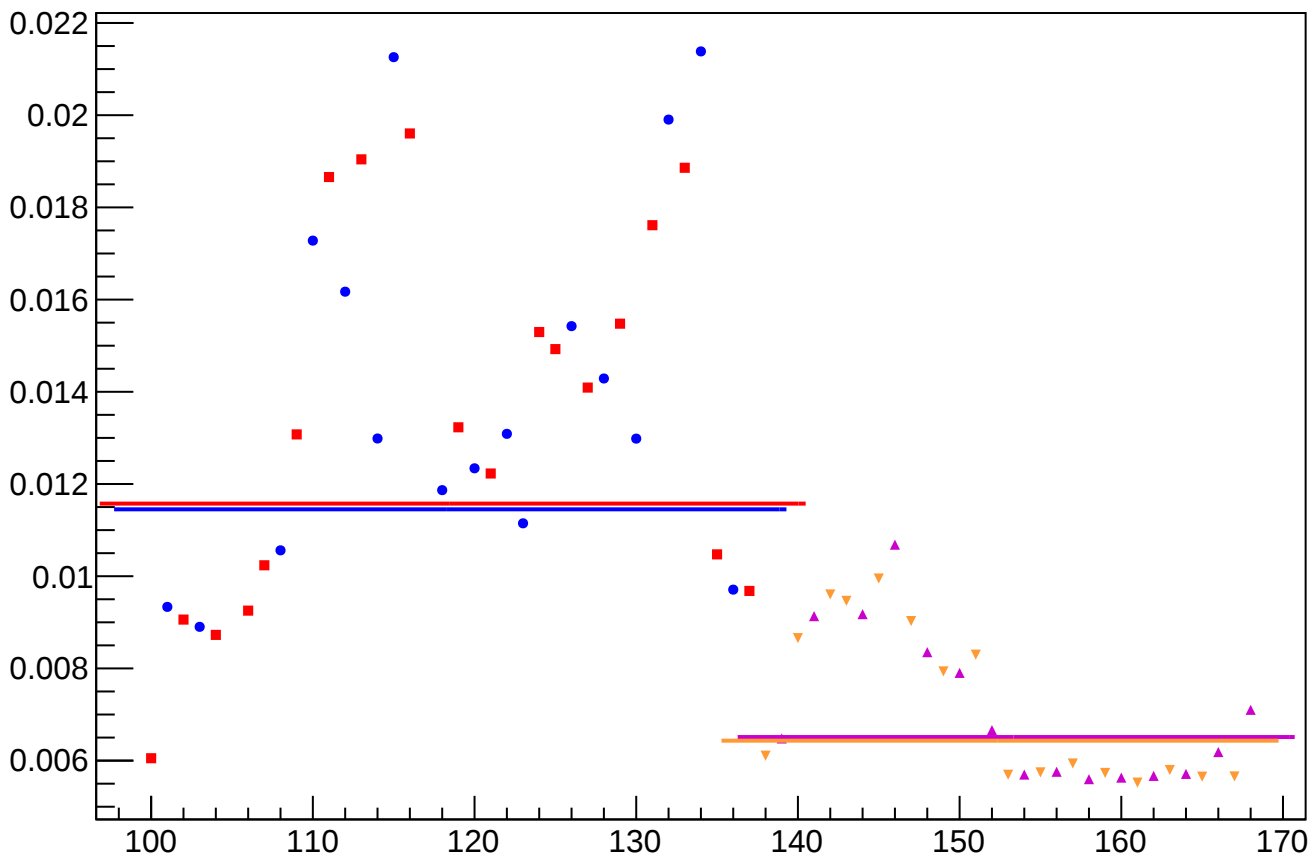
Left In: -0.112+/-0.000 χ^2/NDF : 11507006433.6/14

+ sign -0.092+/-0.000 χ^2/NDF : 15575203185.8/32

All: -0.094+/-0.000 χ^2/NDF : 28706113112.4/33

- sign -0.096+/-0.000 χ^2/NDF : 13127539851.2/33

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 679628.0/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 905287.3/15

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 997161.1/18

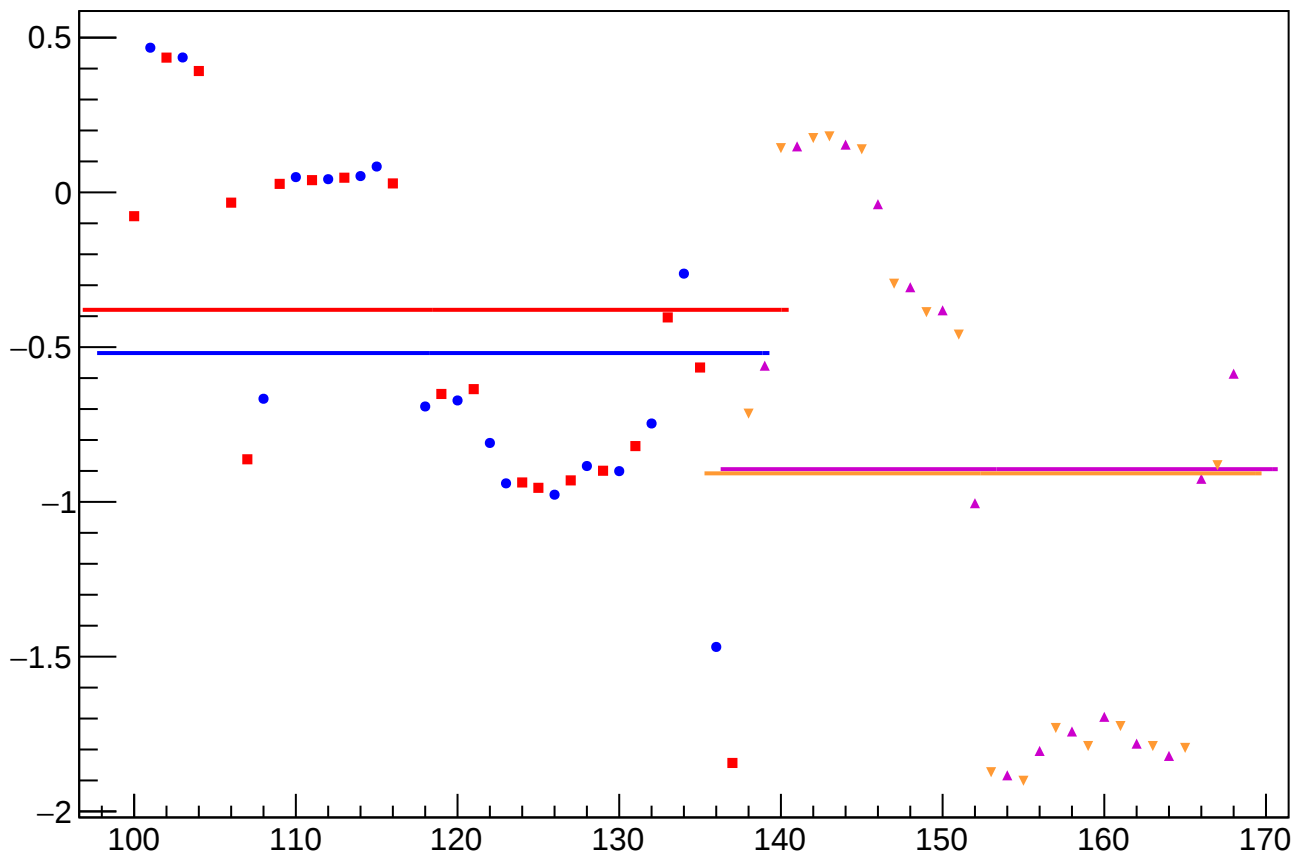
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 791613.7/14

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3473244.4/32

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7194289.6/66

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3716949.4/33

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.908 ± 0.000 χ^2/NDF : 1010877127.6/15

Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

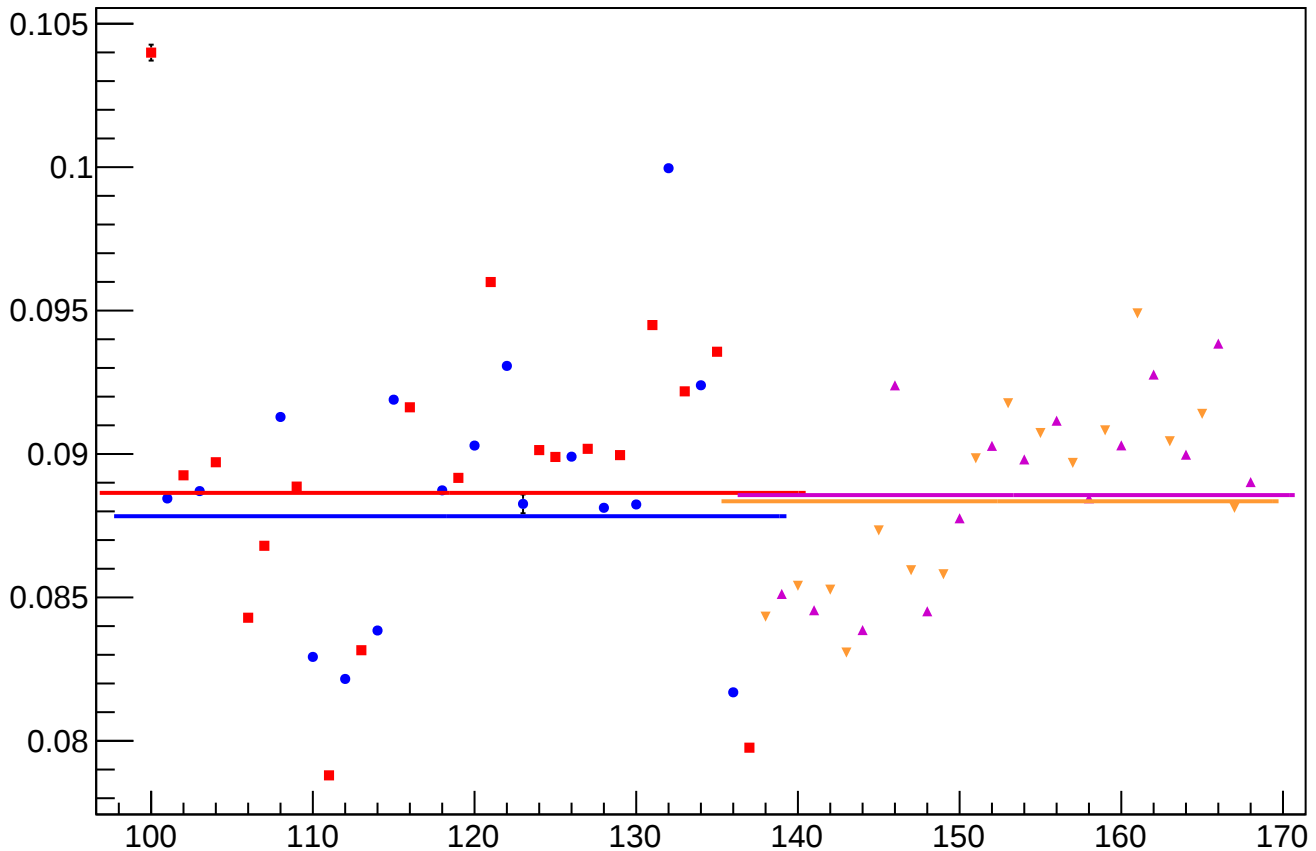
Left In: -0.894 ± 0.000 χ^2/NDF : 866291787.8/14

+ sign -0.766 ± 0.000 χ^2/NDF : 1433523526.7/32

All: -0.733 ± 0.000 χ^2/NDF : 2722325799.7/6

- sign -0.699 ± 0.000 χ^2/NDF : 1283410661.4/33

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34954.4/16

Left Out: 0.088 $\pm$ 0.000 χ^2 /NDF:29373.2/15

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39722.9/18

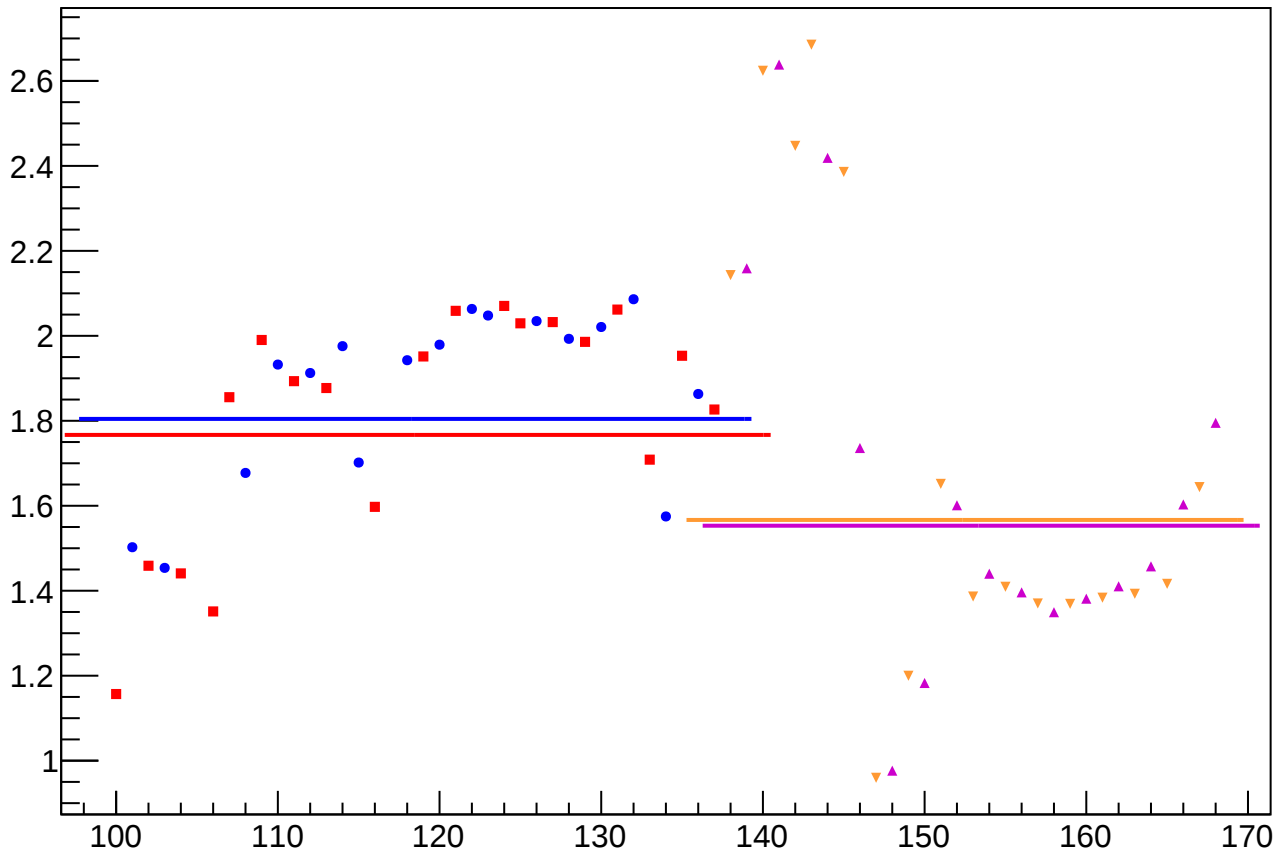
Left In: 0.089 $\pm$ 0.000 χ^2 /NDF:27553.7/14

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 64626.4/32

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 132358.9/66

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 67283.3/33

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.567 $\pm$ 0.000 χ^2 /NDF: 23318840021.0/15

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

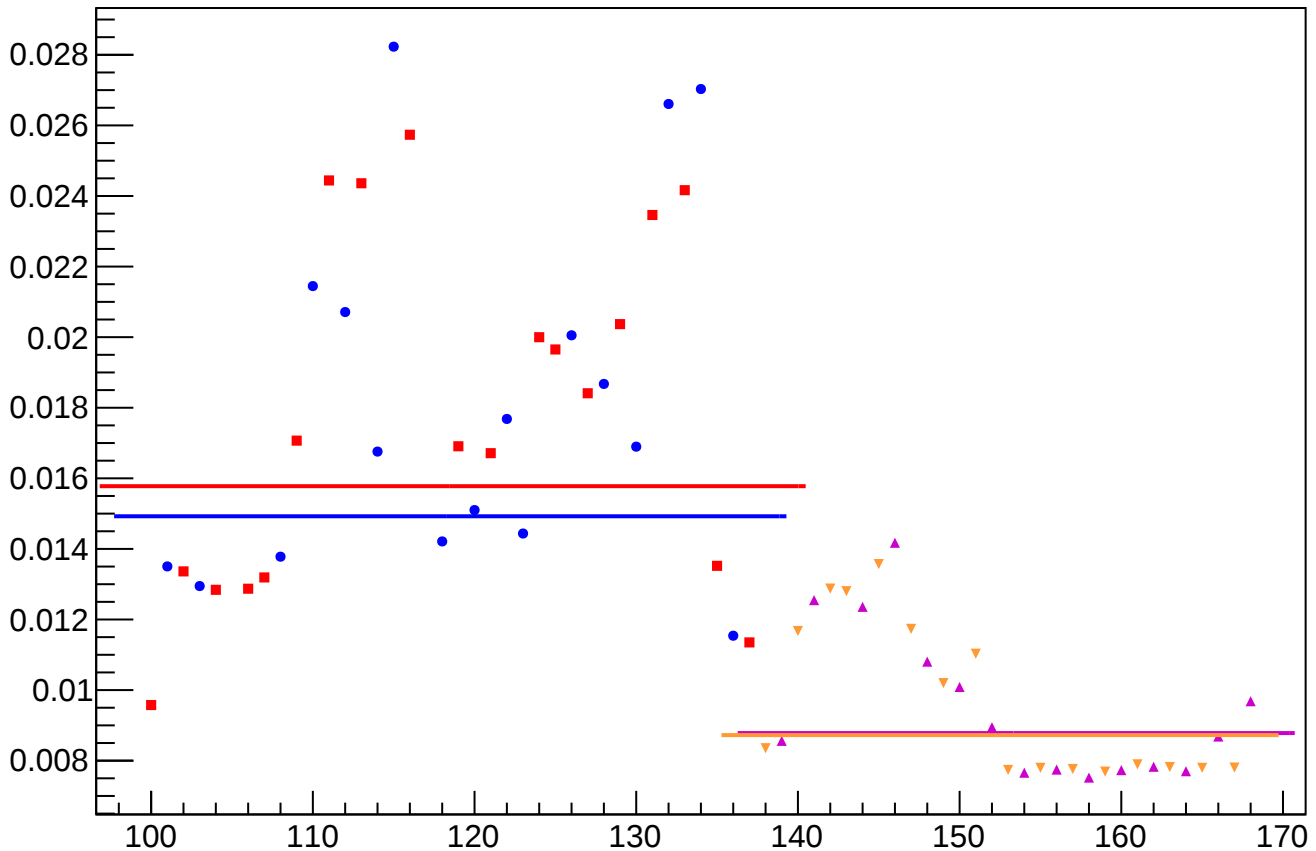
Left In: 1.553 $\pm$ 0.000 χ^2 /NDF: 18413797604.2/14

+ sign 1.603 $\pm$ 0.000 χ^2 /NDF: 25713120954.5/32

All: 1.594 $\pm$ 0.000 χ^2 /NDF: 46805933686.7/6

- sign 1.585 $\pm$ 0.000 χ^2 /NDF: 21065545802.0/33

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.009+/-0.000 χ^2/NDF : 827989.9/15

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

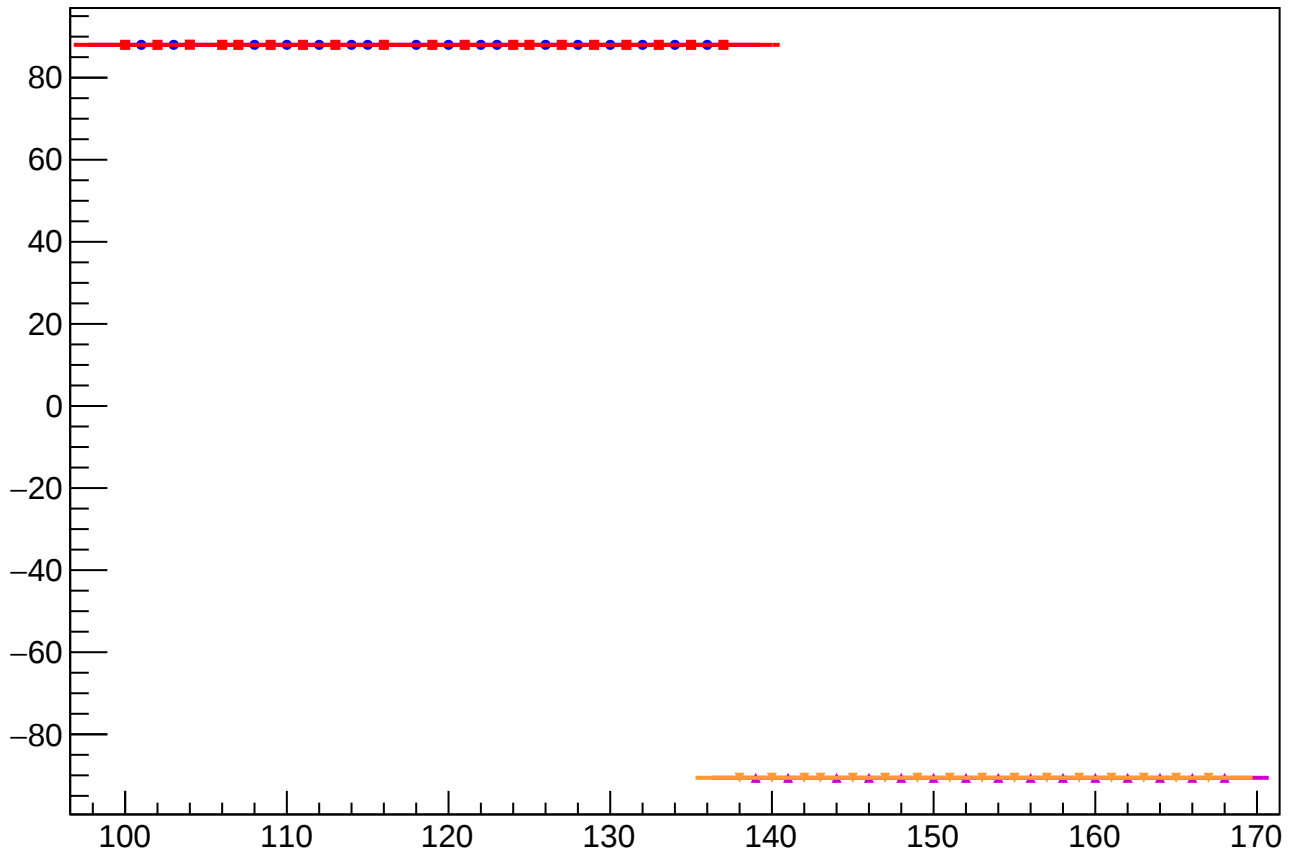
Left In: 0.009+/-0.000 χ^2/NDF : 738181.4/14

+ sign 0.010+/-0.000 χ^2/NDF : 3154109.5/32

All: 0.010+/-0.000 χ^2/NDF : 6701652.9/66

- sign 0.010+/-0.000 χ^2/NDF : 3543777.0/33

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1852068.7/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5372837.0/15

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

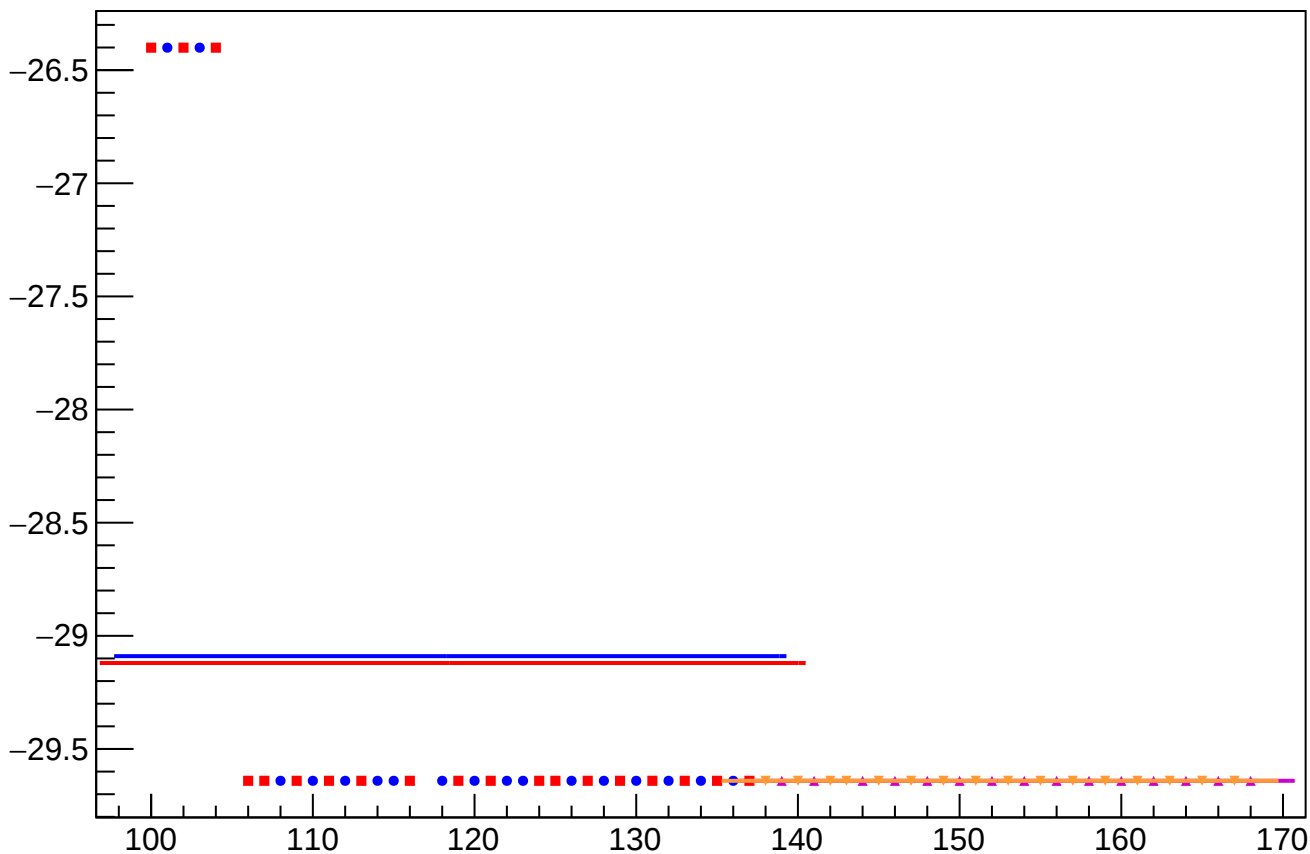
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5300337.5/14

+ sign -26.177 $\pm$ 0.000 χ^2 /NDF: 141521500079001

All: -24.928 $\pm$ 0.000 χ^2 /NDF: 285600323878

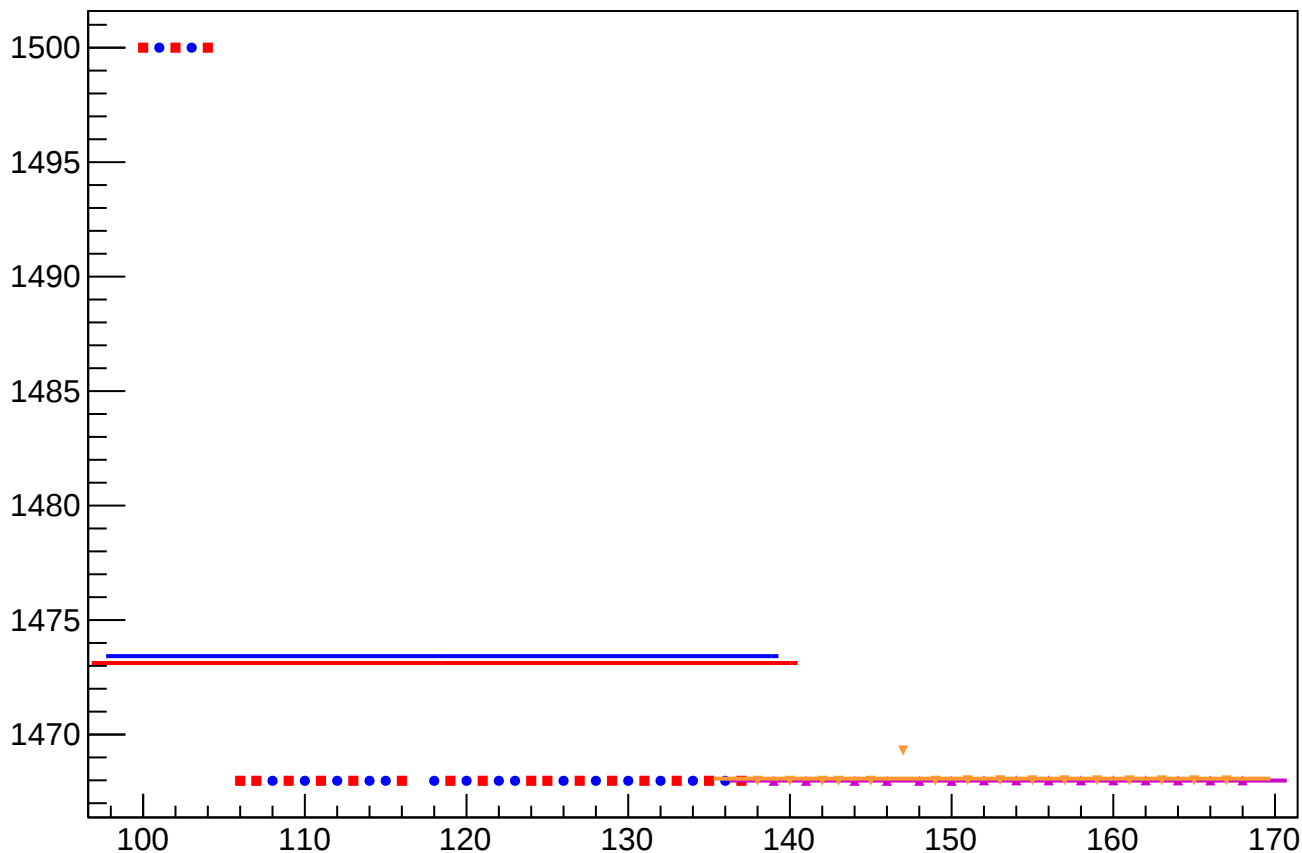
- sign -23.681 $\pm$ 0.000 χ^2 /NDF: 1440188492420782

epics_HWienAngles_mean vs Slug



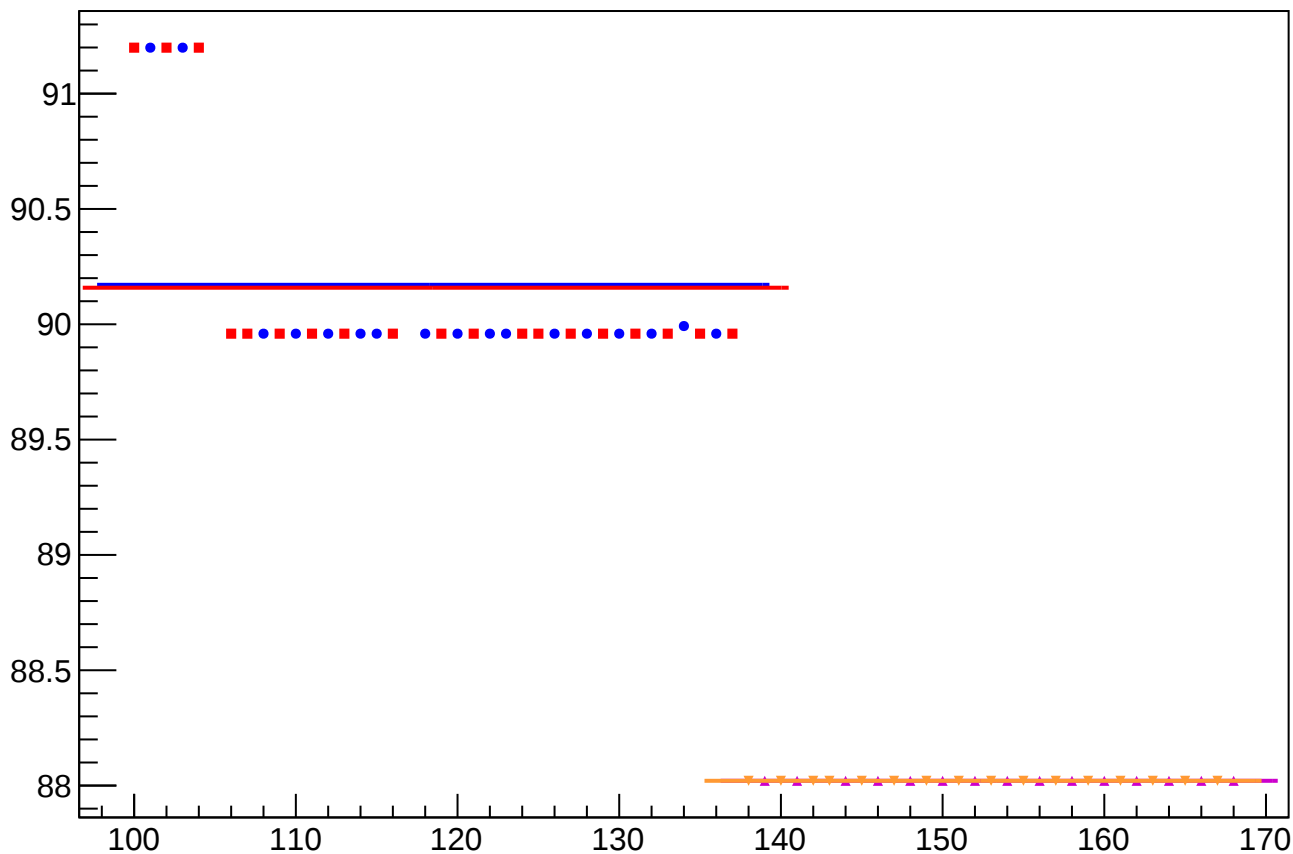
Right In: -29.090+/-0.000 χ^2/NDF : 1028099246109521929793835198578688.0/16
 Left Out: -29.641+/-0.000 χ^2/NDF : 220313.1/15 + sign -29.442+/-0.000 χ^2/NDF : 116274560332639
 Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18 All: -29.444+/-0.000 χ^2/NDF : 230717675741
 Left In: -29.641+/-0.000 χ^2/NDF : 145188.3/14 - sign -29.446+/-0.000 χ^2/NDF : 1144418172080933

epics_psub_pl_poss_mean vs Slug



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16
 Left Out: 1468.075+/-0.000 χ^2/NDF : 125441849334309110352066409136128.0/15
 Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18
 Left In: 1467.991+/-0.000 χ^2/NDF : 117080165949056208561896423424.0/14
 All: 1469.959+/-0.000 χ^2/NDF : 22497805094
 + sign 1470.004+/-0.000 χ^2/NDF : 11324141380811
 - sign 1469.914+/-0.000 χ^2/NDF : 11172883701848

epics_Phi_FGs_mean vs Slug



Right In: 90.171+/-0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 4494159.5/15

Right Out: 90.159+/-0.000 χ^2/NDF : 149705165651000025160777180643328.0/18

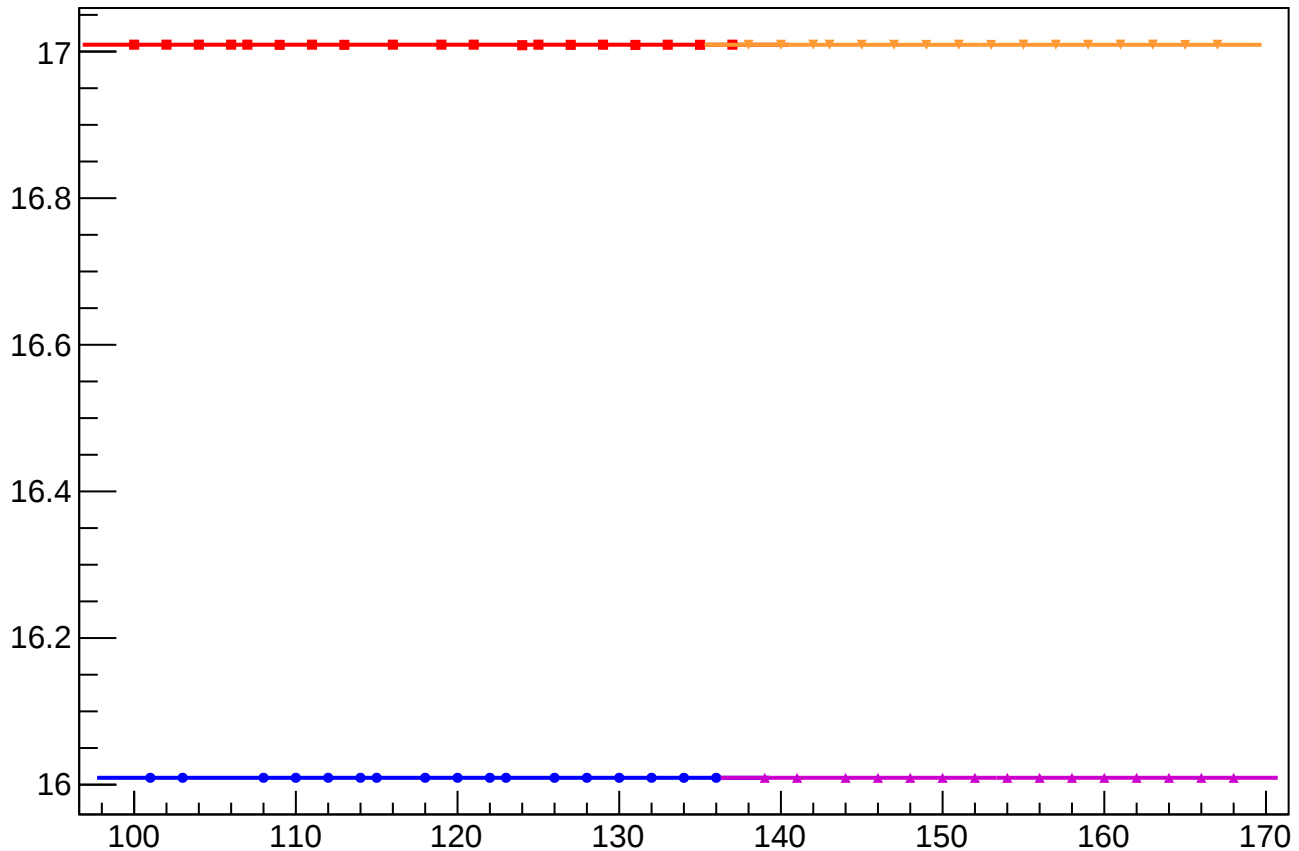
Left In: 88.021+/-0.000 χ^2/NDF : 5120603.4/14

+ sign 88.796+/-0.000 χ^2/NDF : 2201998413140175

All: 88.809+/-0.000 χ^2/NDF : 4415723411428

- sign 88.822+/-0.000 χ^2/NDF : 2213108082650060

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 ± 0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009 ± 0.000 χ^2/NDF : 17772868462055089518936064.0/15

Right Out: 17.009 ± 0.000 χ^2/NDF : 12516014336037541461884928.0/18

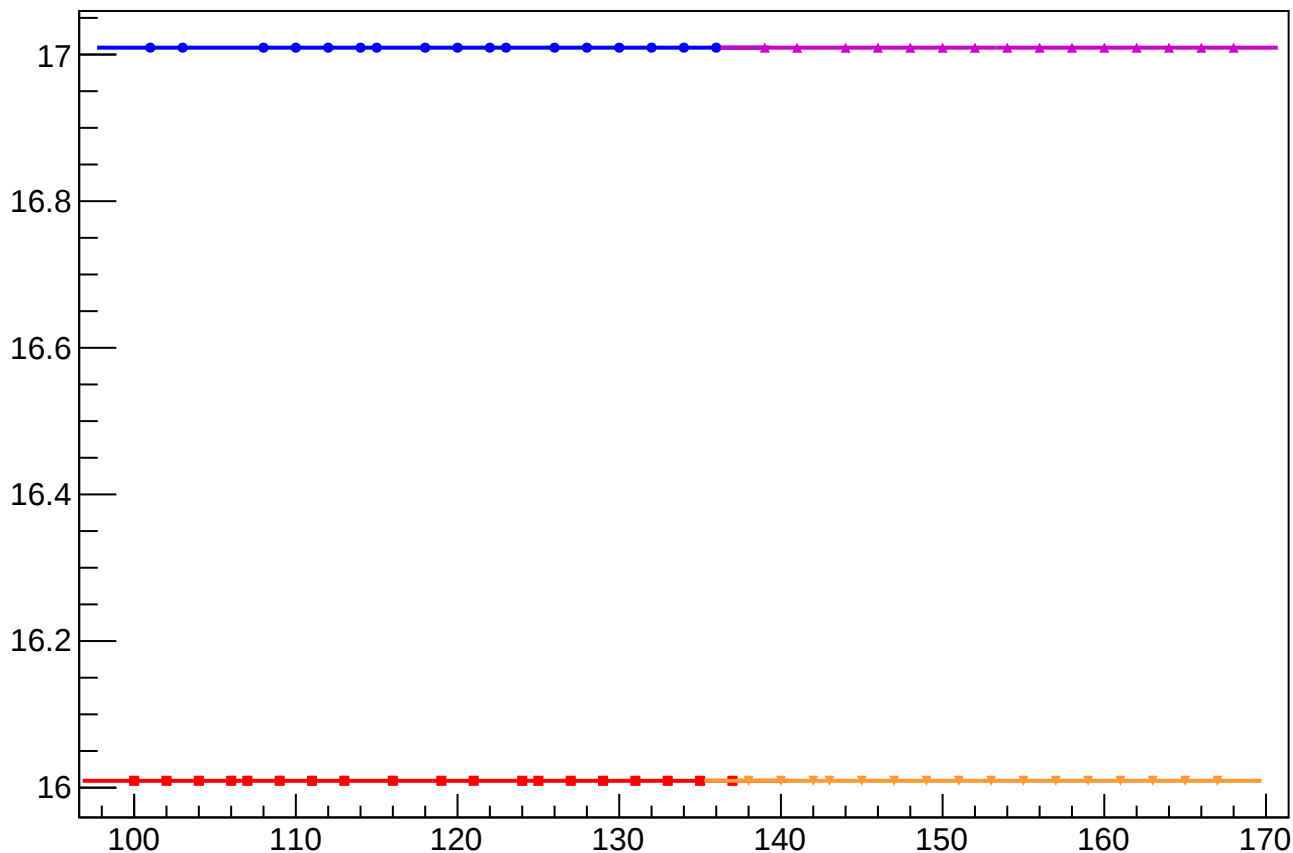
Left In: 16.009 ± 0.000 χ^2/NDF : 56368.8/14

+ sign 16.639 ± 0.000 χ^2/NDF : 4169103923780959

All: 16.509 ± 0.000 χ^2/NDF : 8905233498214

- sign 16.378 ± 0.000 χ^2/NDF : 4128224510940115

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 89602.0/15

Right Out: 16.009+/-0.000 χ^2/NDF : 39518.8/18

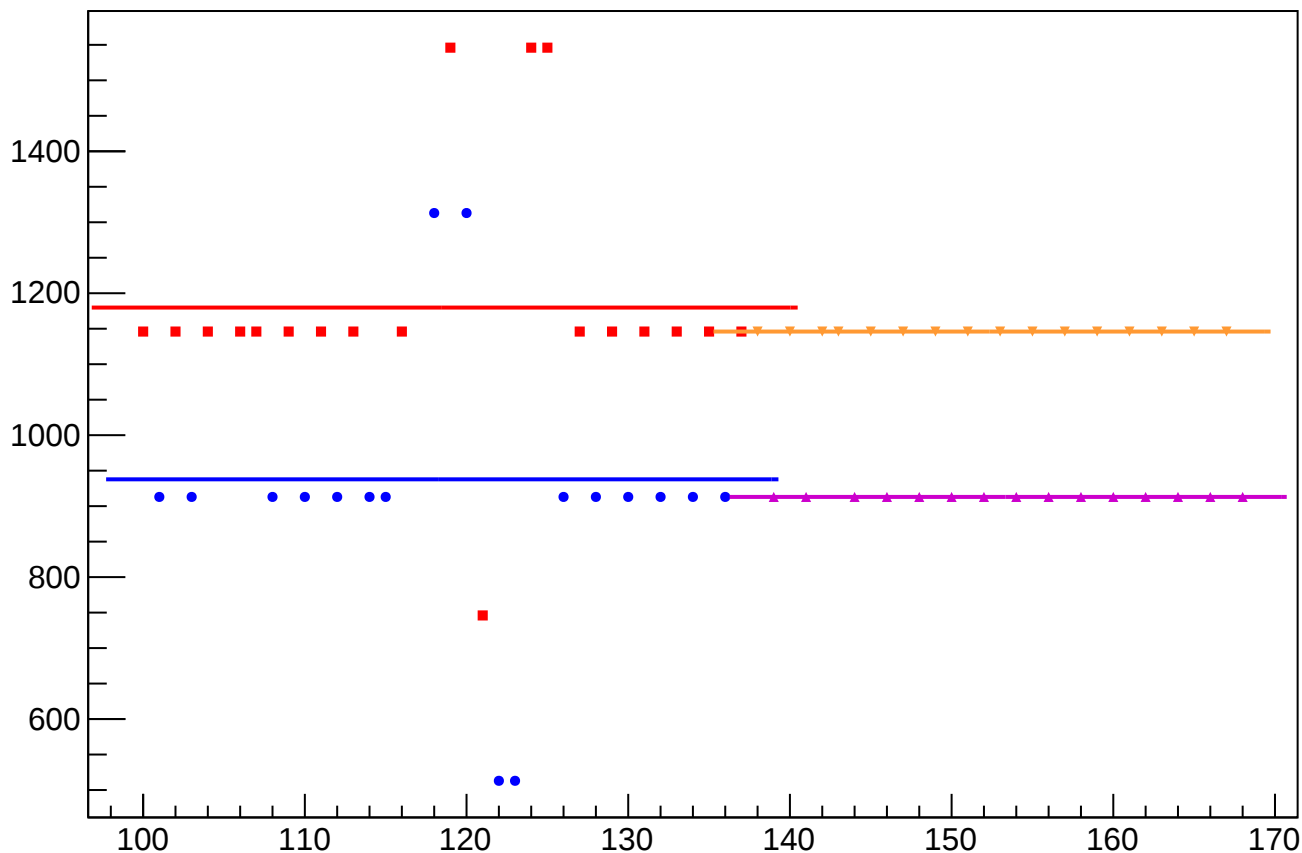
Left In: 17.009+/-0.000 χ^2/NDF : 39026.5/14

+ sign 16.361+/-0.000 χ^2/NDF : 4293864118895911

All: 16.497+/-0.000 χ^2/NDF : 9454648520084

- sign 16.633+/-0.000 χ^2/NDF : 4459342105262776

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 4135490558436759457000062976.0/15

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

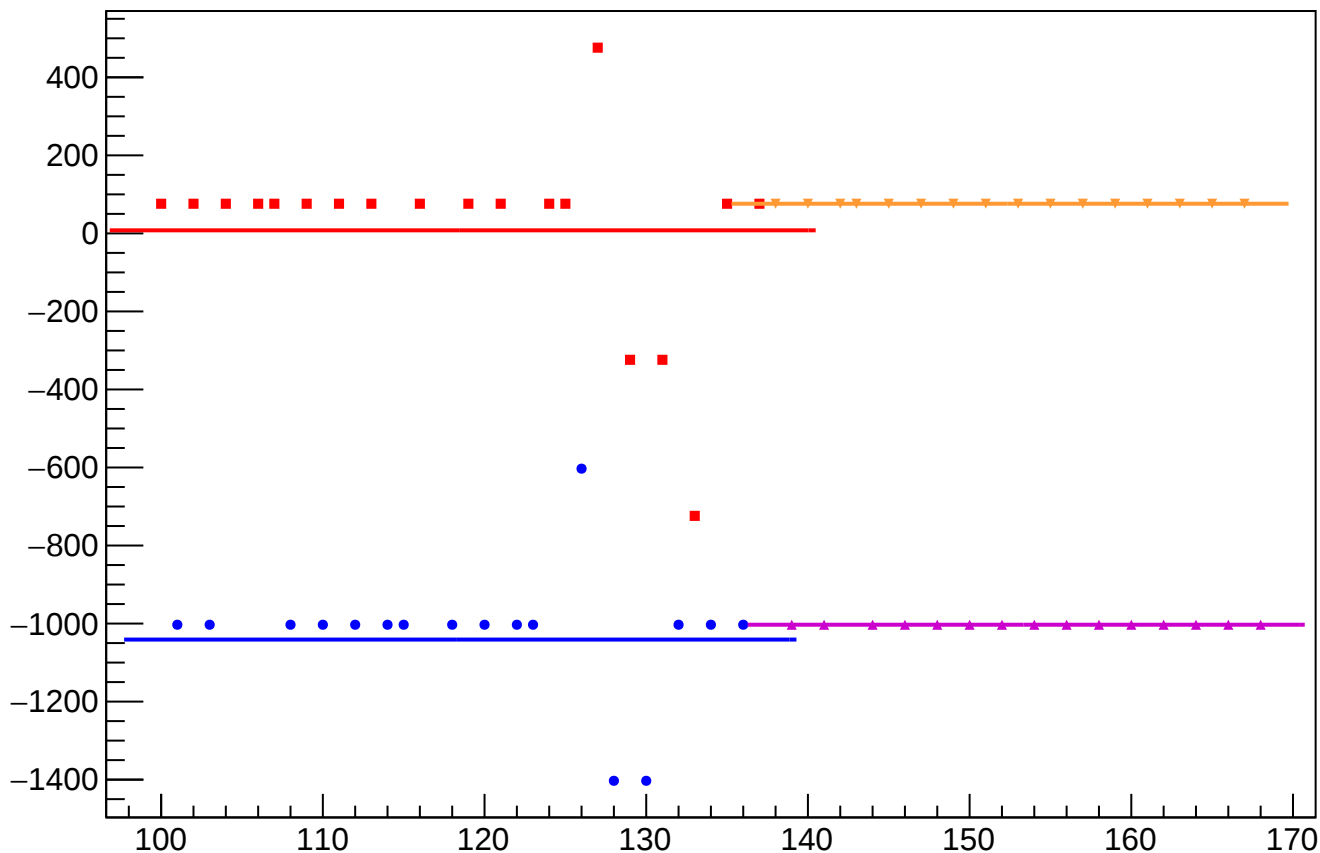
Left In: 912.995+/-0.000 χ^2/NDF : 18060796655780727045165678592.0/14

All: 1041.909+/-0.000 χ^2/NDF : 96880877260.0/18

+ sign 1070.900+/-0.000 χ^2/NDF : 40092770863156.0/18

- sign 1012.962+/-0.000 χ^2/NDF : 53556288030830.0/18

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1041.030 +/- 0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16

Left Out: 76.011 +/- 0.000 χ^2/NDF : 10052923607451260422679691264.0/15

Right Out: 7.865 +/- 0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18

Left In: -1002.990 +/- 0.000 χ^2/NDF : 1855016956080798829012582400.0/14