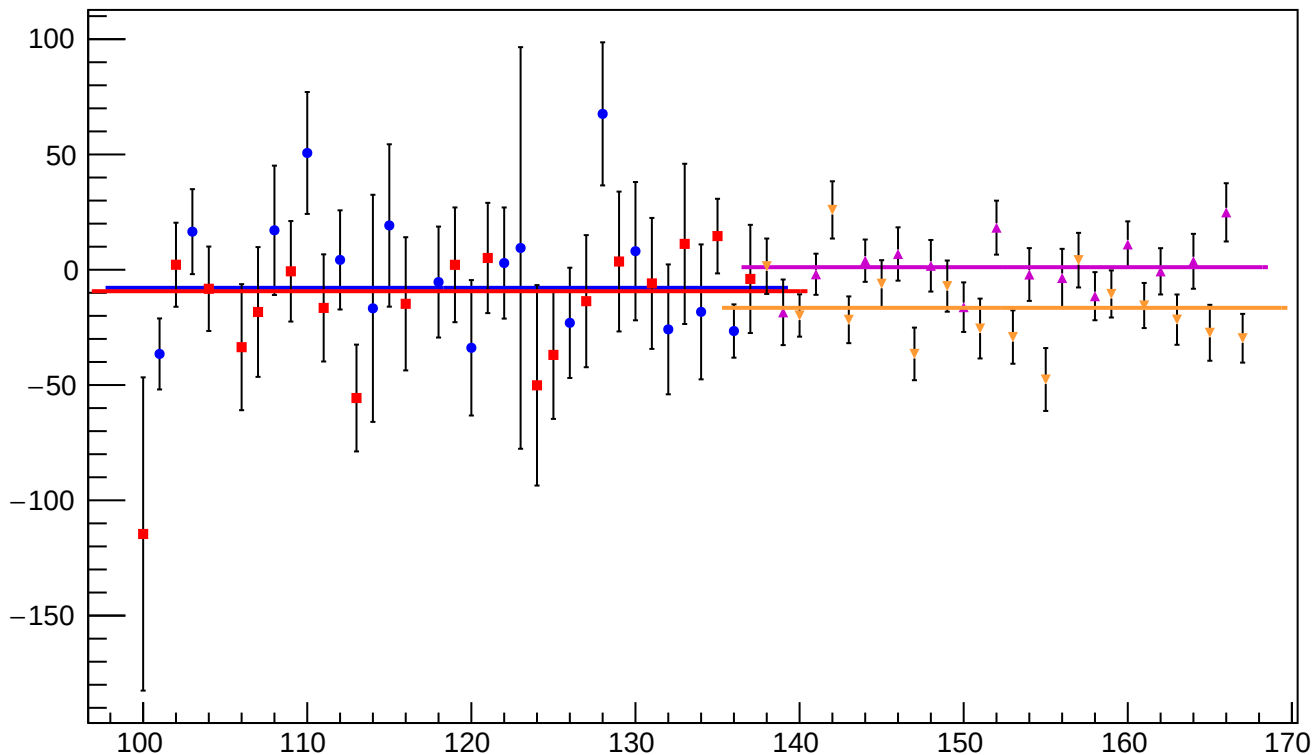


diff_bpm4aX_mean vs Slug



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: 1.114 ± 2.922

χ^2/NDF : 13.4/13

+ sign -14.819 ± 2.483

χ^2/NDF : 56.6/32

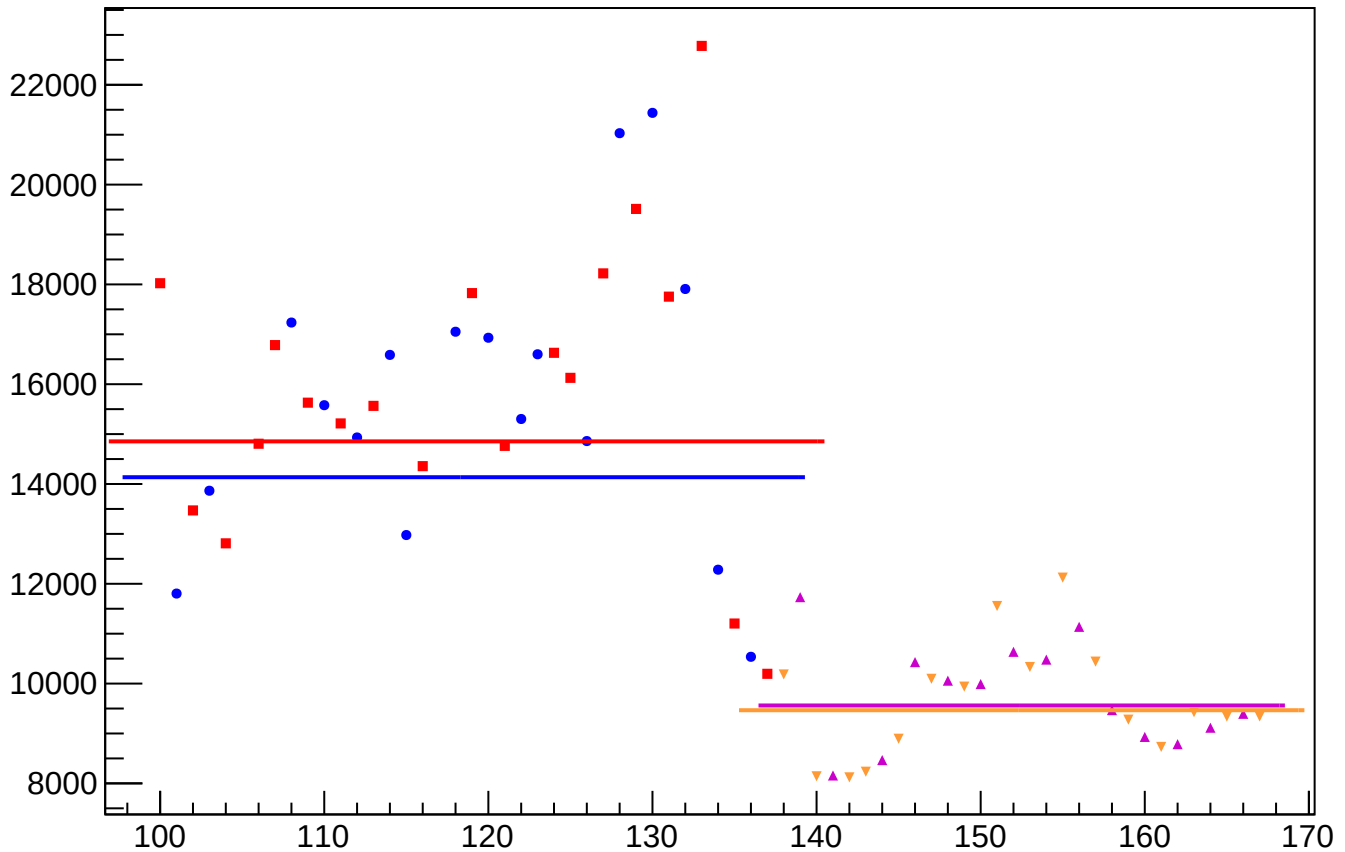
All: -8.256 ± 1.795

χ^2/NDF : 100.5/65

- sign -1.069 ± 2.598

χ^2/NDF : 29.3/32

diff_bpm4aX_rms vs Slug



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

Left Out: 9465.973+/-1.958 χ^2/NDF : 282746.6/15

+ sign 10381.054+/-1.755 χ^2/NDF : 1994852.0/32

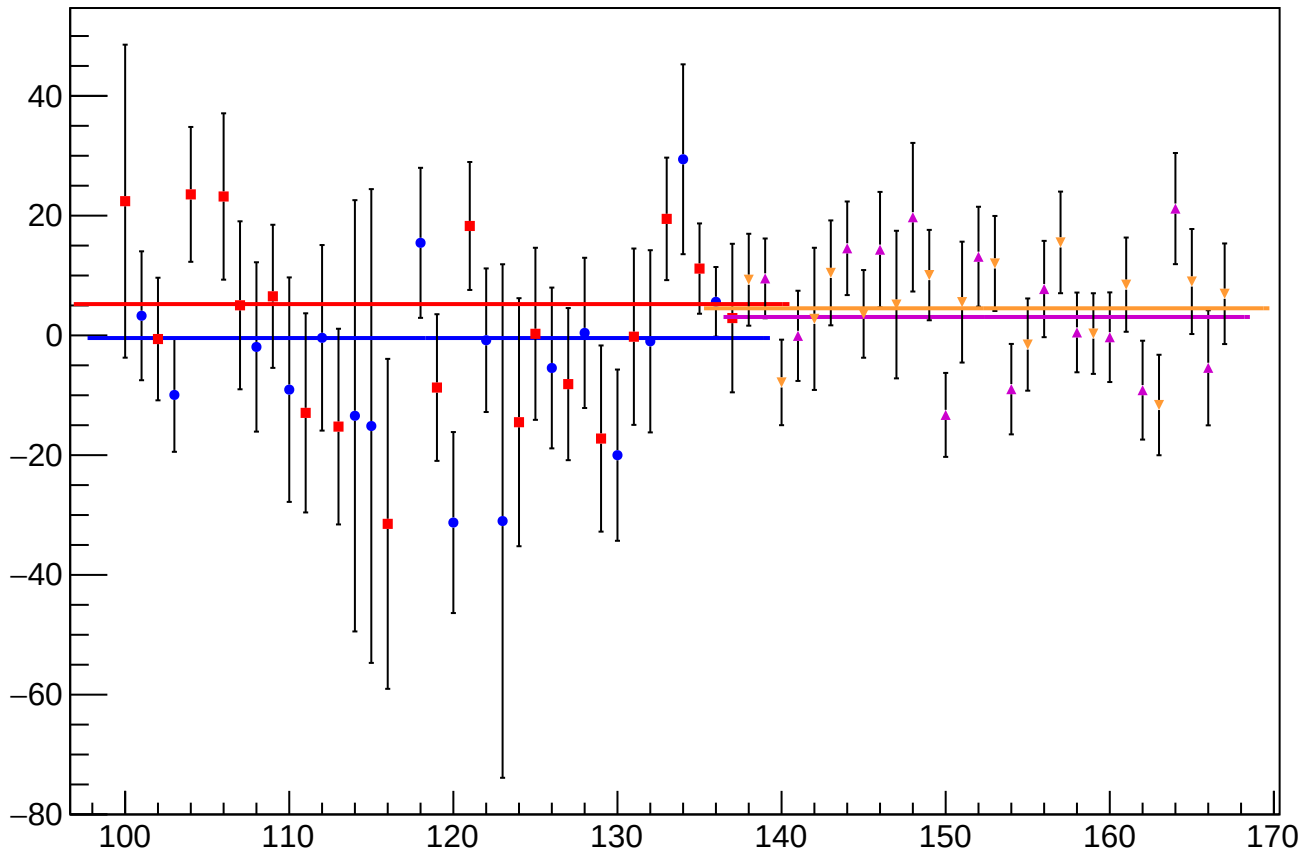
Right Out: 14854.033+/-4.014 χ^2/NDF : 472017.6/18

All: 10518.794+/-1.269 χ^2/NDF : 4081118.3/6

- sign 10669.644+/-1.837 χ^2/NDF : 2073367.7/32

Left In: 9561.154+/-2.066 χ^2/NDF : 227042.2/13

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

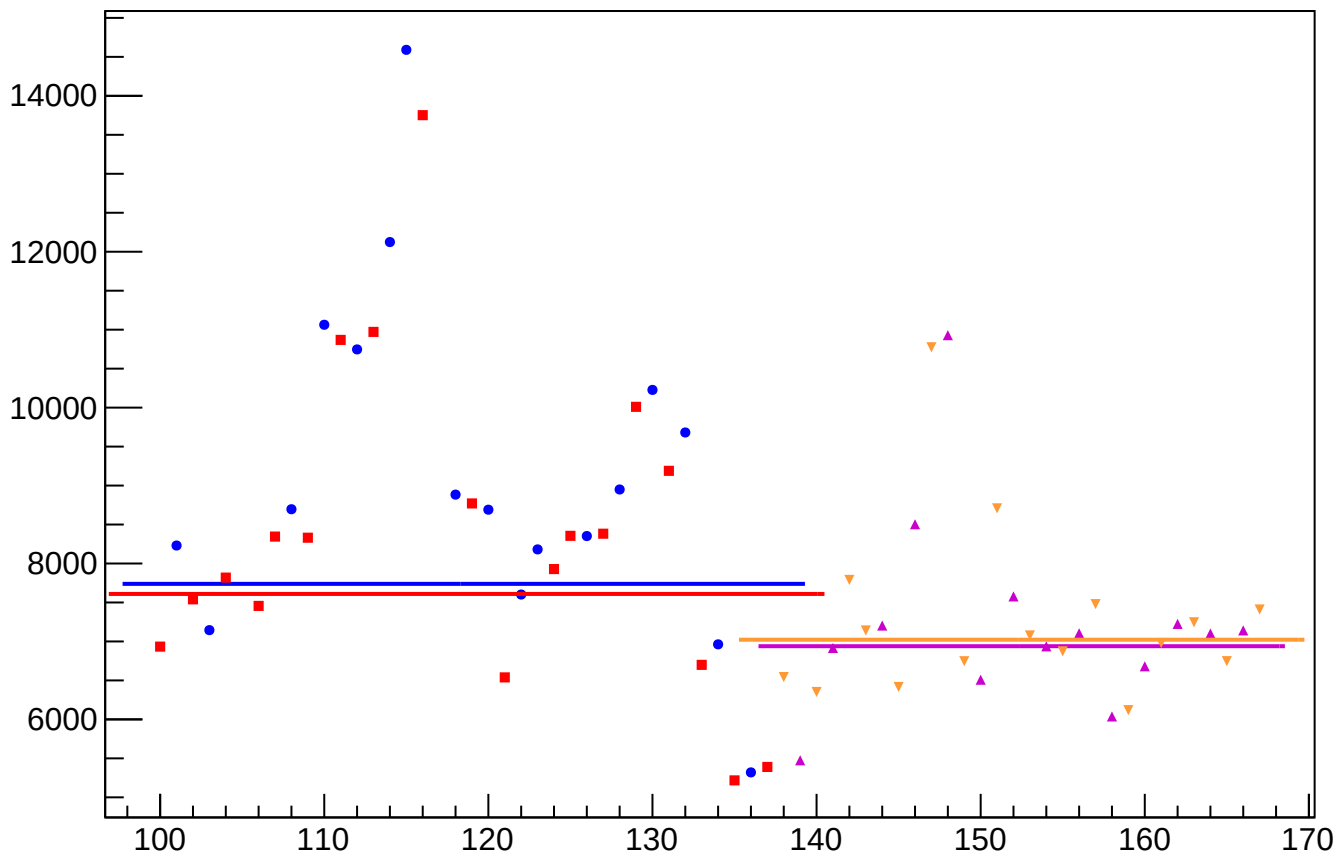
Left In: 3.075 ± 2.137 χ^2/NDF : 23.3/13

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

All: 3.399 ± 1.216 χ^2/NDF : 71.8/65

- sign 3.821 ± 1.728 χ^2/NDF : 43.0/32

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

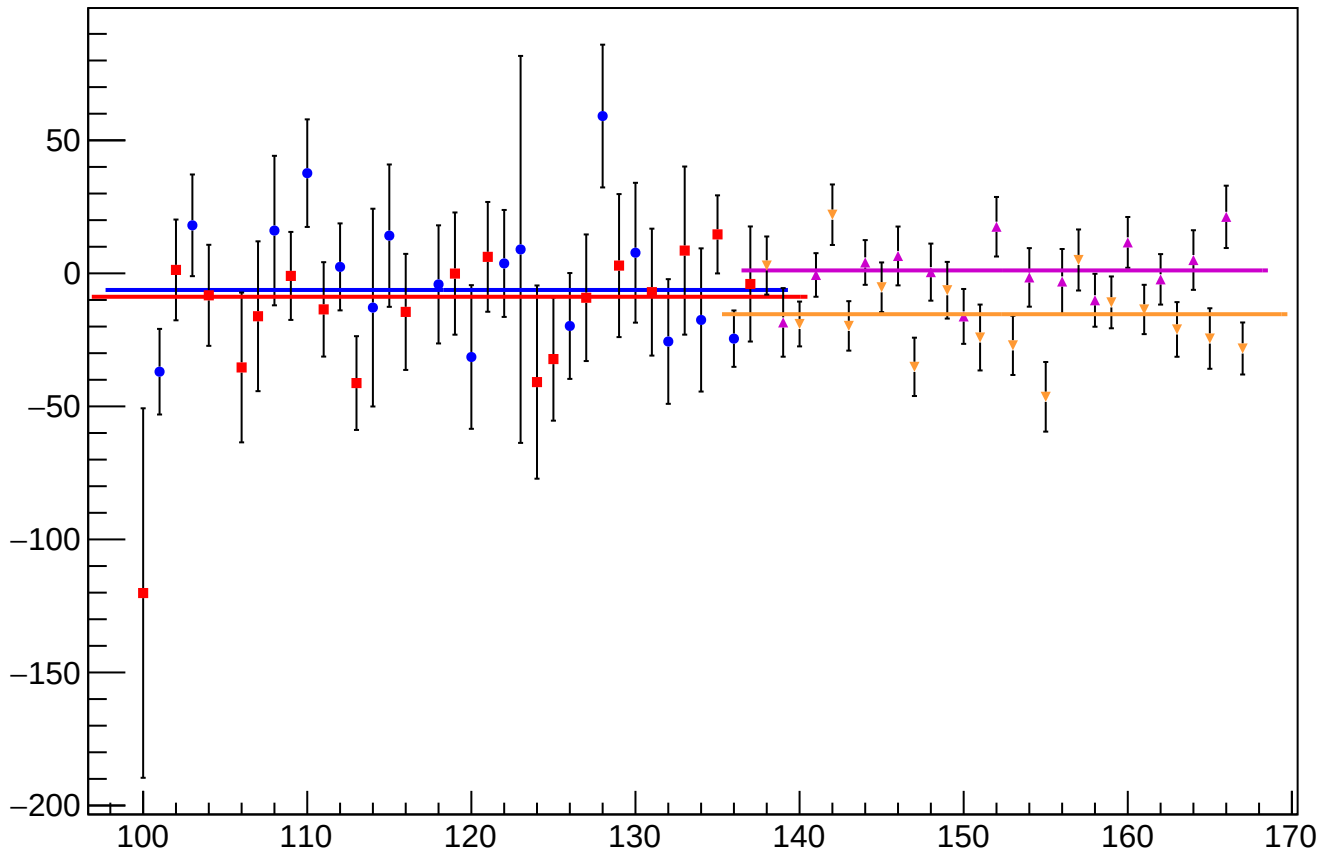
Left In: 6939.015+/-1.511 χ^2/NDF : 421320.3/13

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

All: 7208.329+/-0.860 χ^2/NDF : 2328454.7/65

- sign 7171.242+/-1.222 χ^2/NDF : 1168694.2/32

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

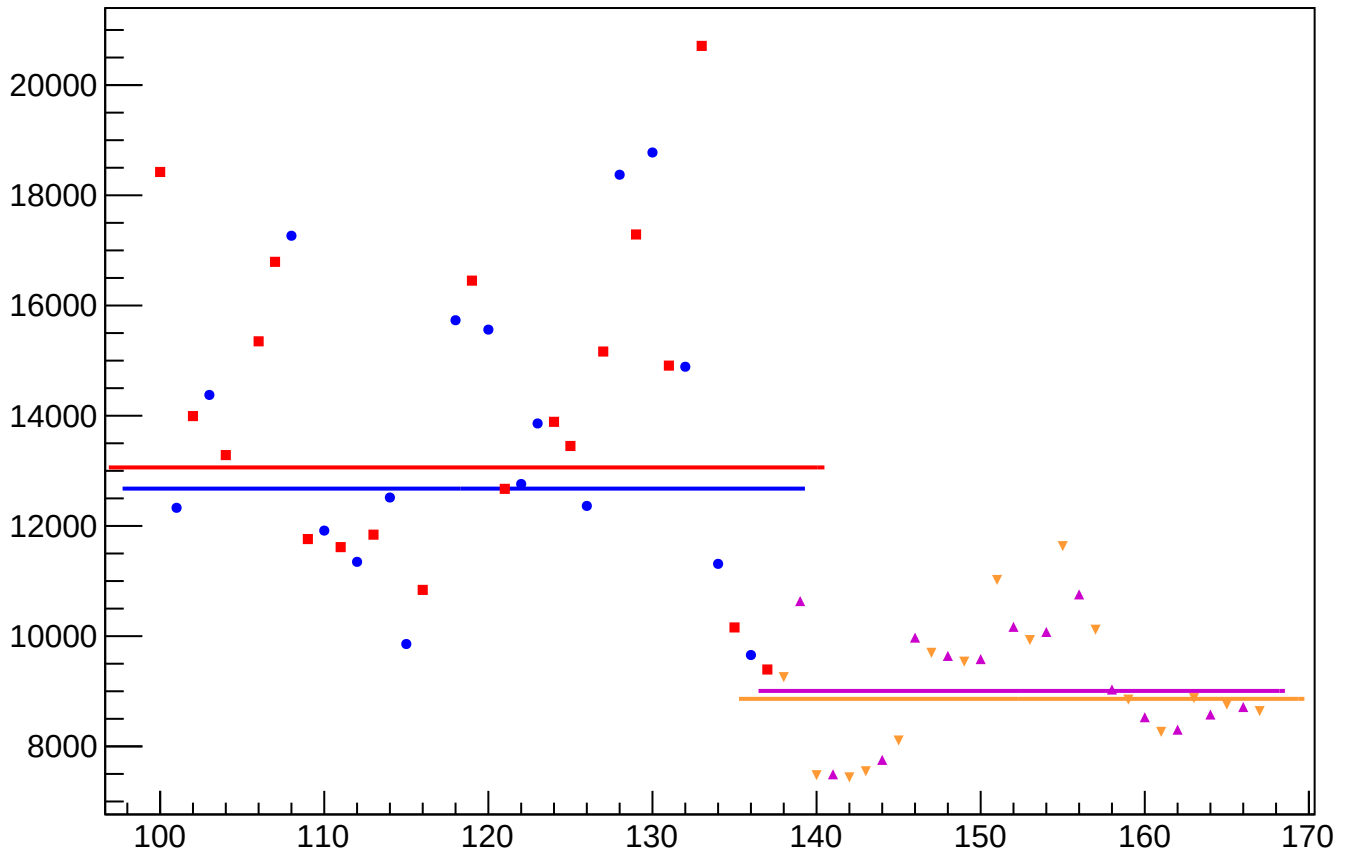
Left In: 1.104 ± 2.755 χ^2/NDF : 13.5/13

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

All: -7.592 ± 1.667 χ^2/NDF : 101.4/65

- sign -1.204 ± 2.413 χ^2/NDF : 29.7/32

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

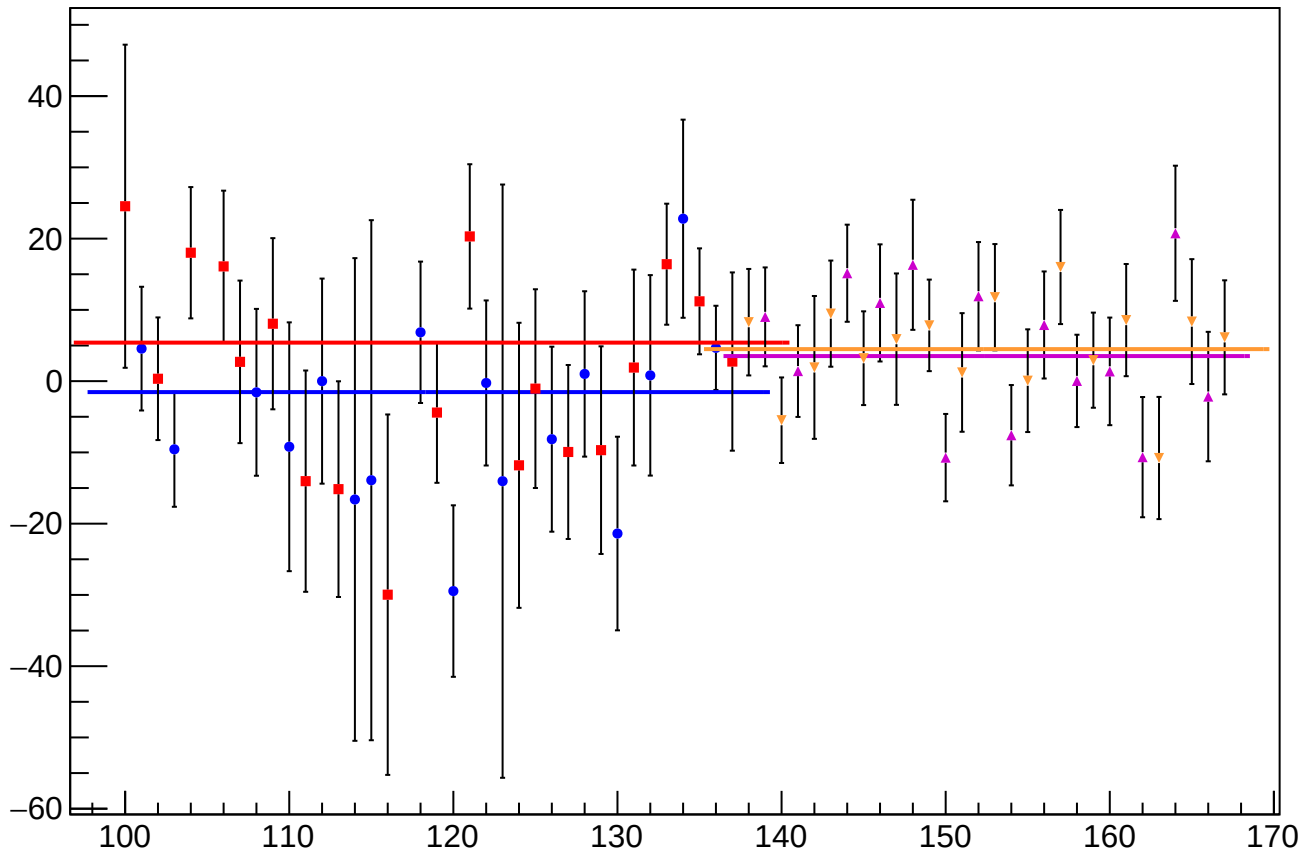
Right Out: 13061.839+/-3.535 χ^2/NDF : 497429.6/18

All: 9803.454+/-1.179 χ^2/NDF : 3625016.1/65

- sign 9951.161+/-1.706 χ^2/NDF : 1781937.5/32

Left In: 9006.247+/-1.948 χ^2/NDF : 274970.3/13

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

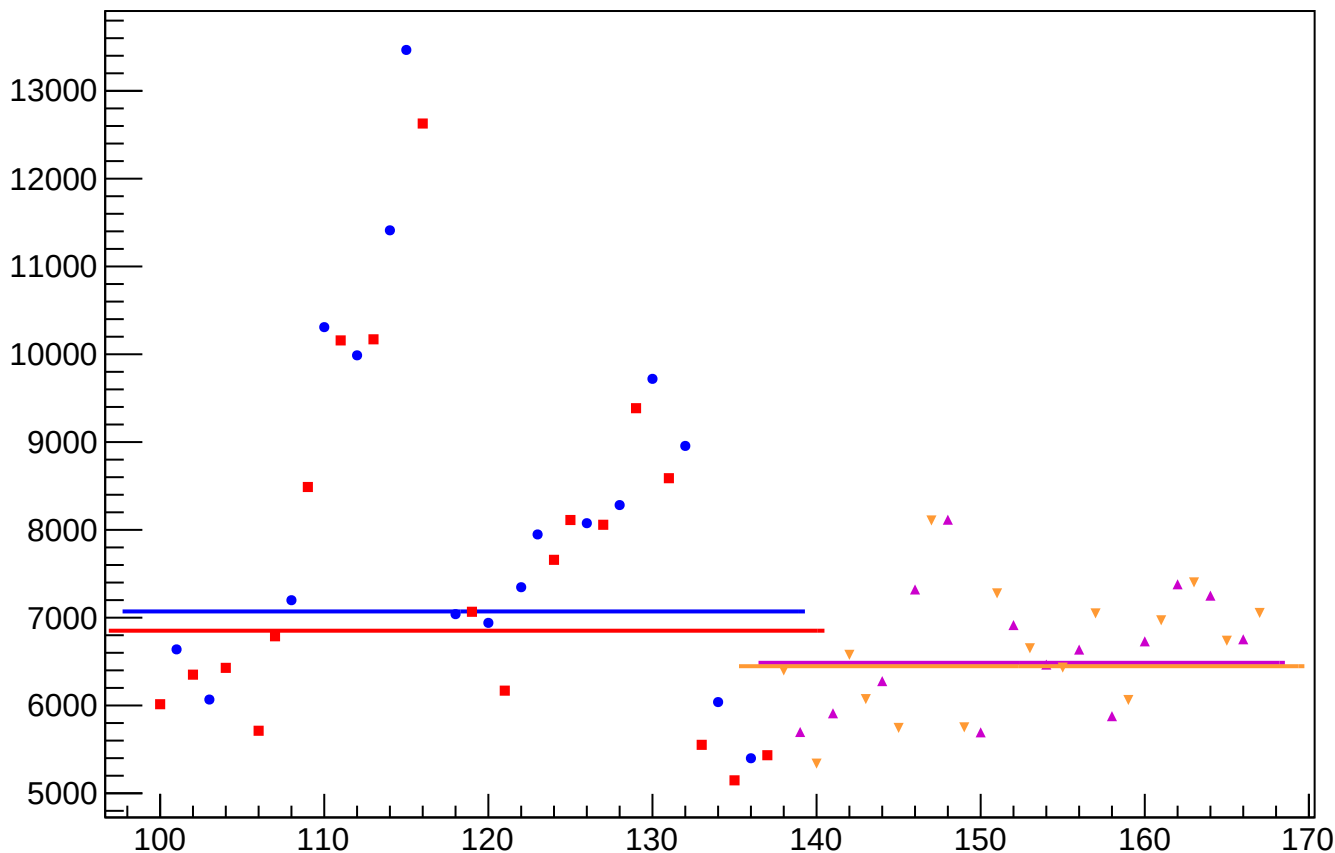
Left In: 3.518 ± 1.985 χ^2/NDF : 22.8/13

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

All: 3.389 ± 1.114 χ^2/NDF : 71.4/65

- sign 4.200 ± 1.587 χ^2/NDF : 41.7/32

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

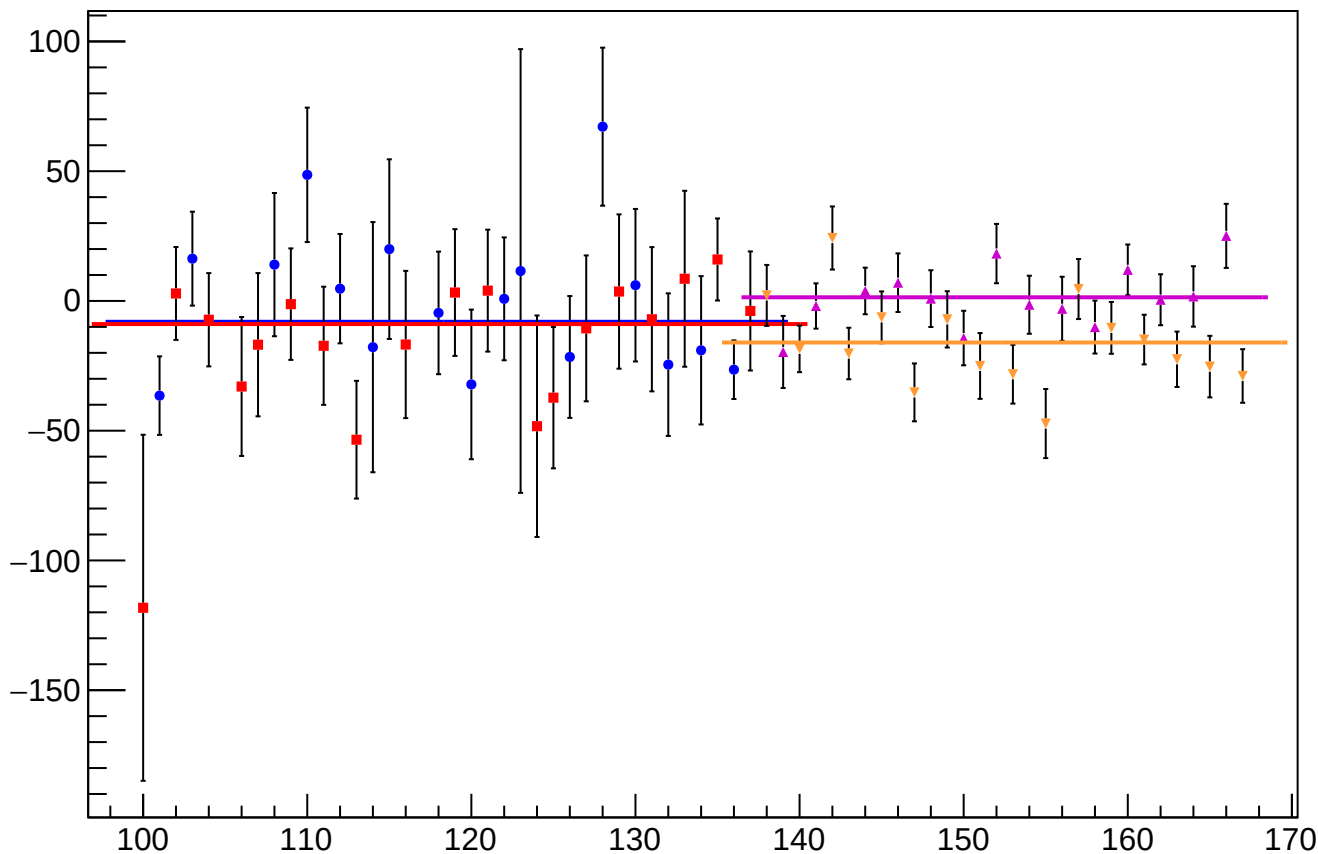
Left In: 6485.931+/-1.404 χ^2/NDF : 225568.1/13

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

All: 6630.727+/-0.787 χ^2/NDF : 1875632.1/65

- sign 6618.051+/-1.122 χ^2/NDF : 934481.3/32

diff_bpm4acX_mean vs Slug



Right In: -8.036 ± 5.497 χ^2/NDF : 22.6/16

Left Out: -16.014 ± 2.707 χ^2/NDF : 31.4/15

Right Out: -8.907 ± 5.566 χ^2/NDF : 13.7/18

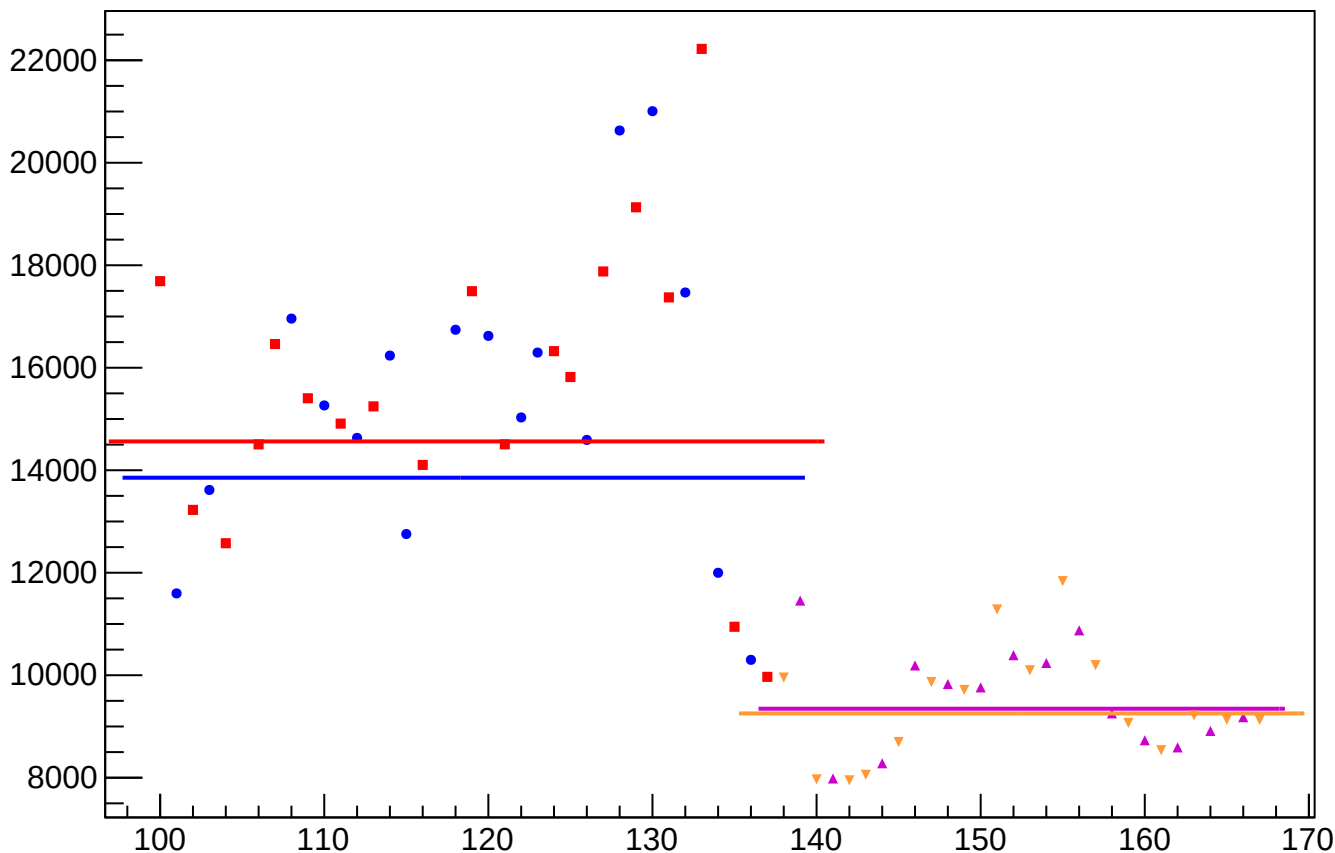
Left In: 1.405 ± 2.856 χ^2/NDF : 13.5/13

+ sign -14.458 ± 2.428 χ^2/NDF : 55.7/32

All: -7.913 ± 1.756 χ^2/NDF : 100.8/65

- sign -0.745 ± 2.541 χ^2/NDF : 29.9/32

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

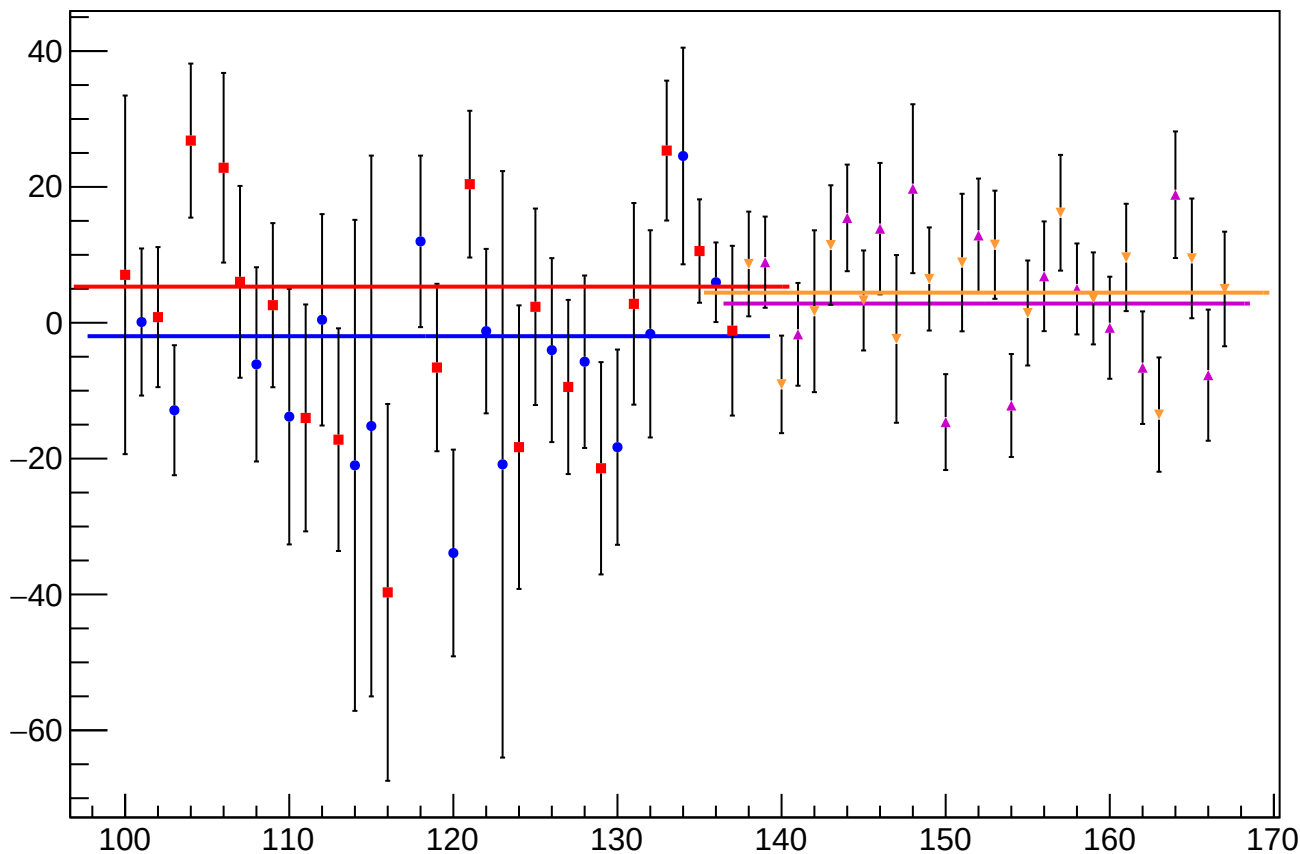
Left In: 9346.668+/-2.020 χ^2/NDF : 224338.6/13

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

All: 10286.511+/-1.241 χ^2/NDF : 4108878.3/6

- sign 10433.767+/-1.797 χ^2/NDF : 2088640.2/32

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

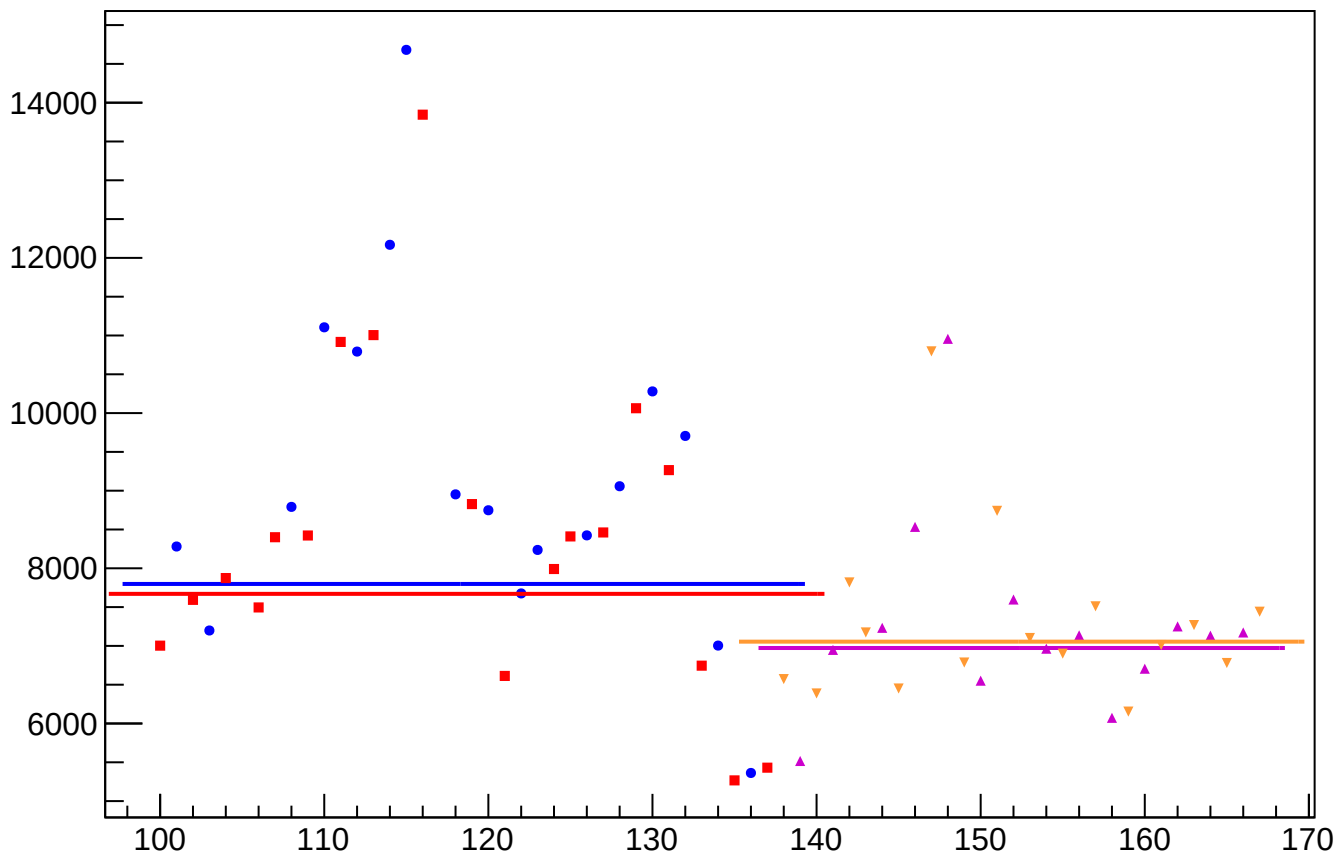
Left In: 2.828 ± 2.147 χ^2/NDF : 24.4/13

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

All: 3.062 ± 1.222 χ^2/NDF : 79.7/65

- sign 3.687 ± 1.738 χ^2/NDF : 49.2/32

diff_bpm4acY_rms vs Slug



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

Left Out: 7054.727+/-1.463 χ^2/NDF :338149.5/15

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

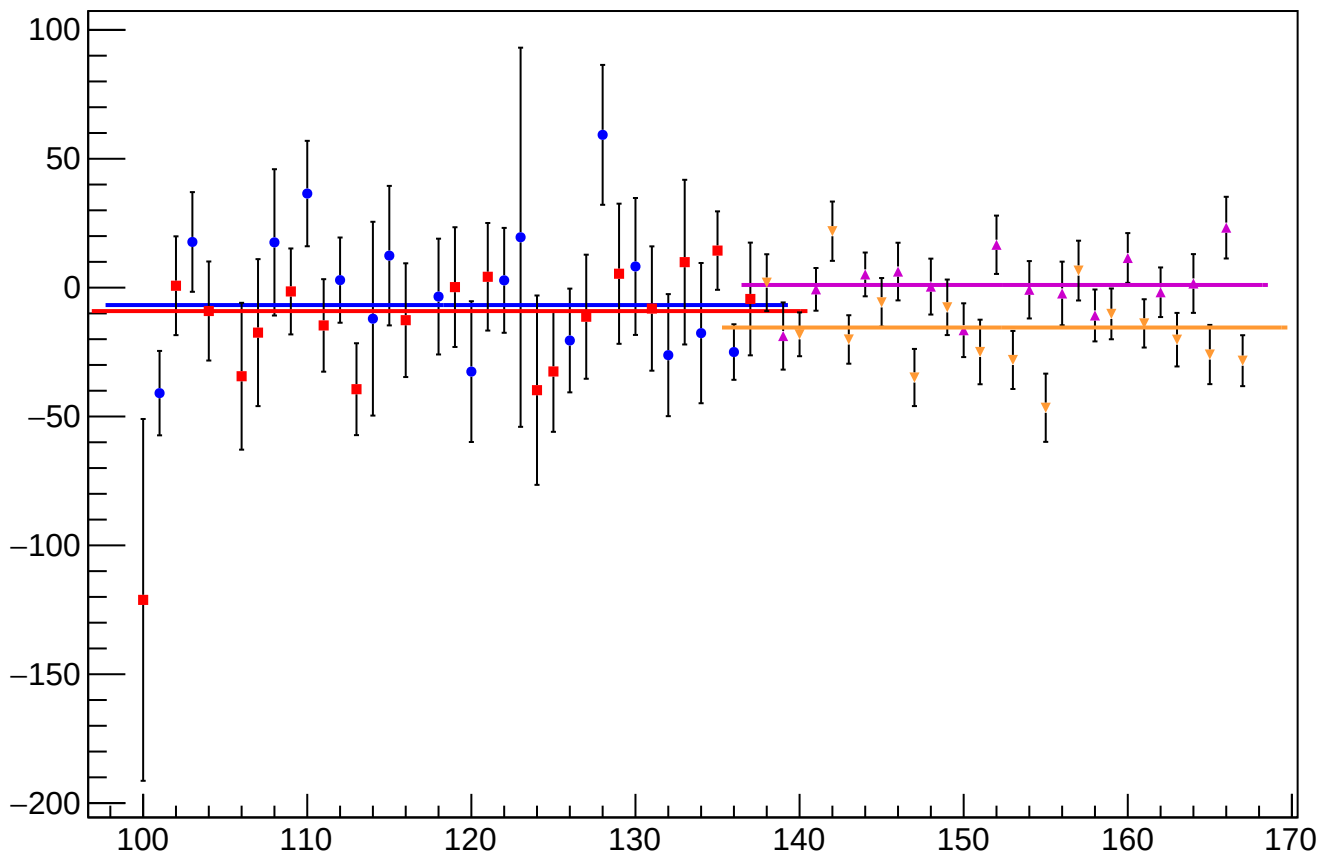
Left In: 6972.756+/-1.518 χ^2/NDF :415047.6/13

+ sign 7284.592+/-1.216 χ^2/NDF : 1154231.7/32

All: 7249.388+/-0.864 χ^2/NDF : 2316550.6/65

- sign 7213.472+/-1.229 χ^2/NDF : 1160626.9/32

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

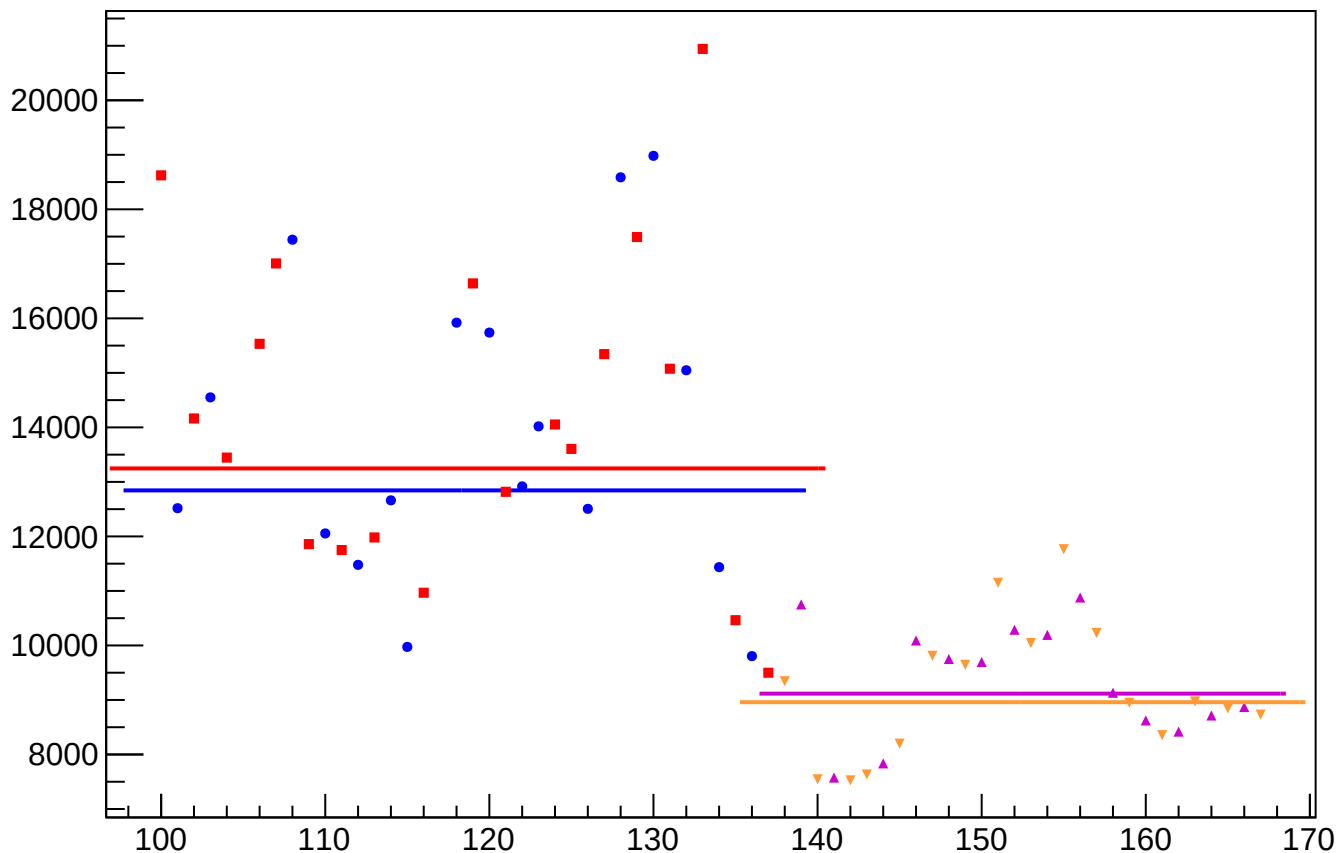
Left In: 1.036 ± 2.790 χ^2/NDF : 13.7/13

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

All: -7.767 ± 1.688 χ^2/NDF : 100.4/65

- sign -1.320 ± 2.444 χ^2/NDF : 29.0/32

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

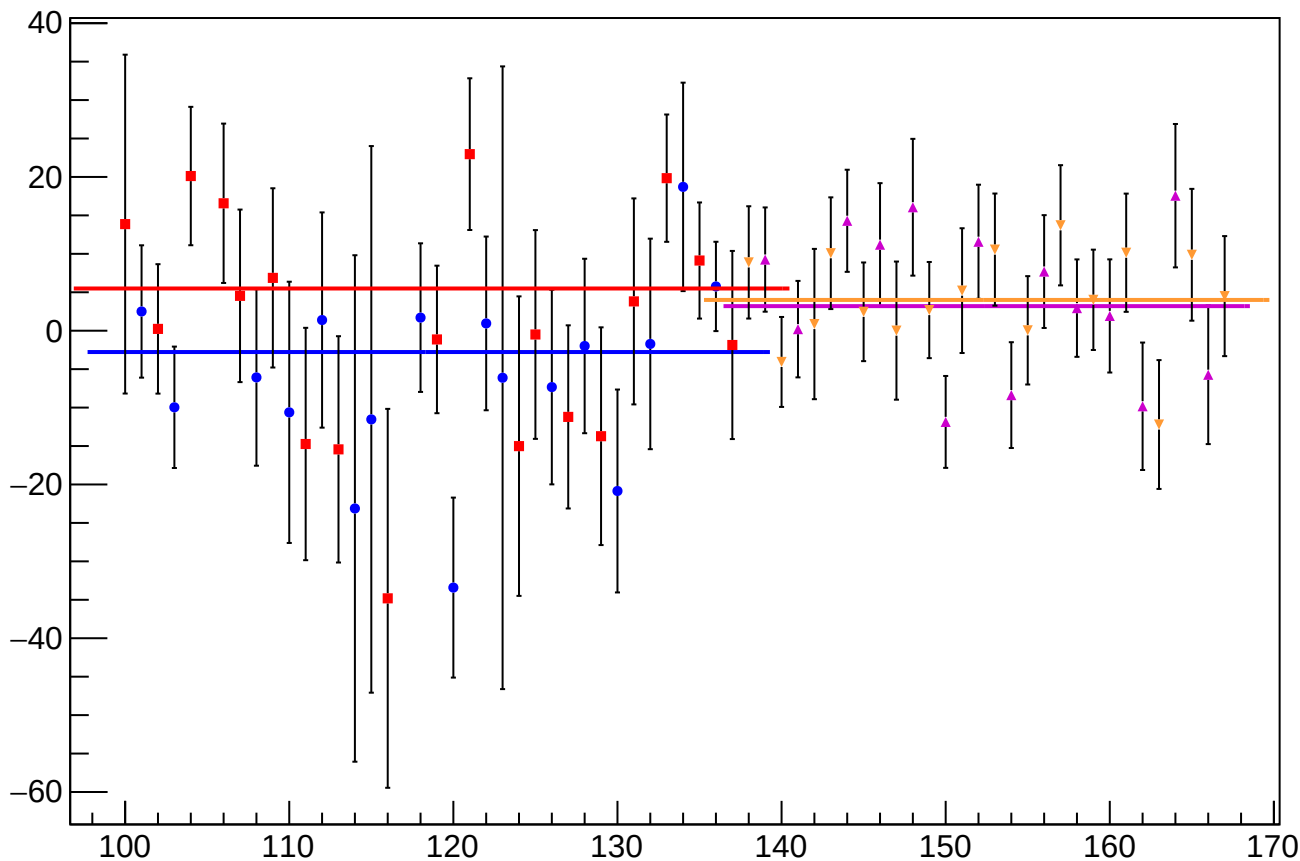
Left In: 9116.109+/-1.973 χ^2/NDF : 274206.0/13

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

All: 9919.408+/-1.193 χ^2/NDF : 3628504.3/65

- sign 10076.068+/-1.728 χ^2/NDF : 1778807.8/32

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

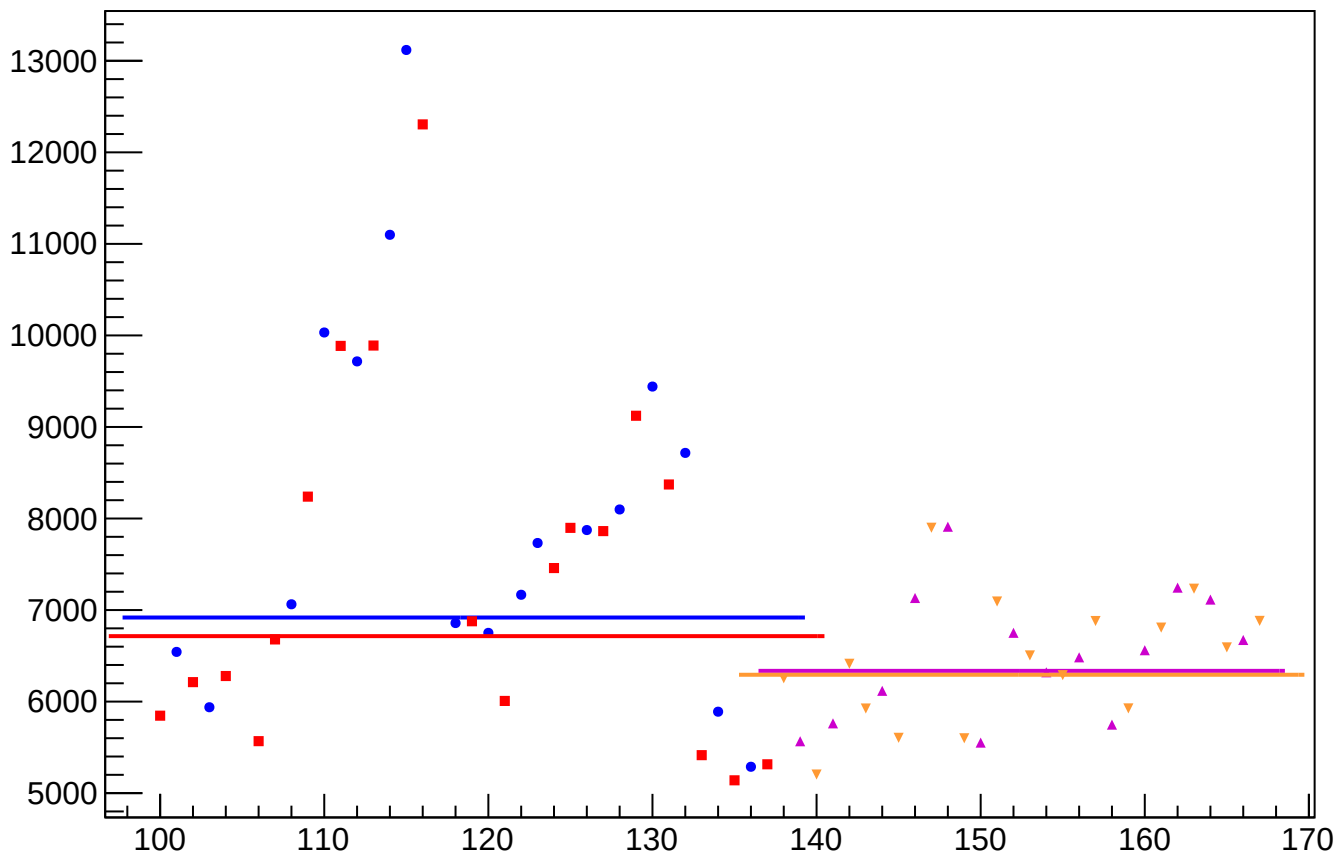
Left In: 3.197 ± 1.940 χ^2/NDF : 23.6/13

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

All: 2.936 ± 1.089 χ^2/NDF : 79.3/65

- sign 4.022 ± 1.552 χ^2/NDF : 47.3/32

diff_bpm4ecY_rms vs Slug



Right In: 6918.477 $\pm$ 1.932 χ^2 /NDF: 587039.3/16

Left Out: 6293.103 $\pm$ 1.302 χ^2 /NDF: 273185.4/15

Right Out: 6715.022 $\pm$ 1.830 χ^2 /NDF: 656010.3/18

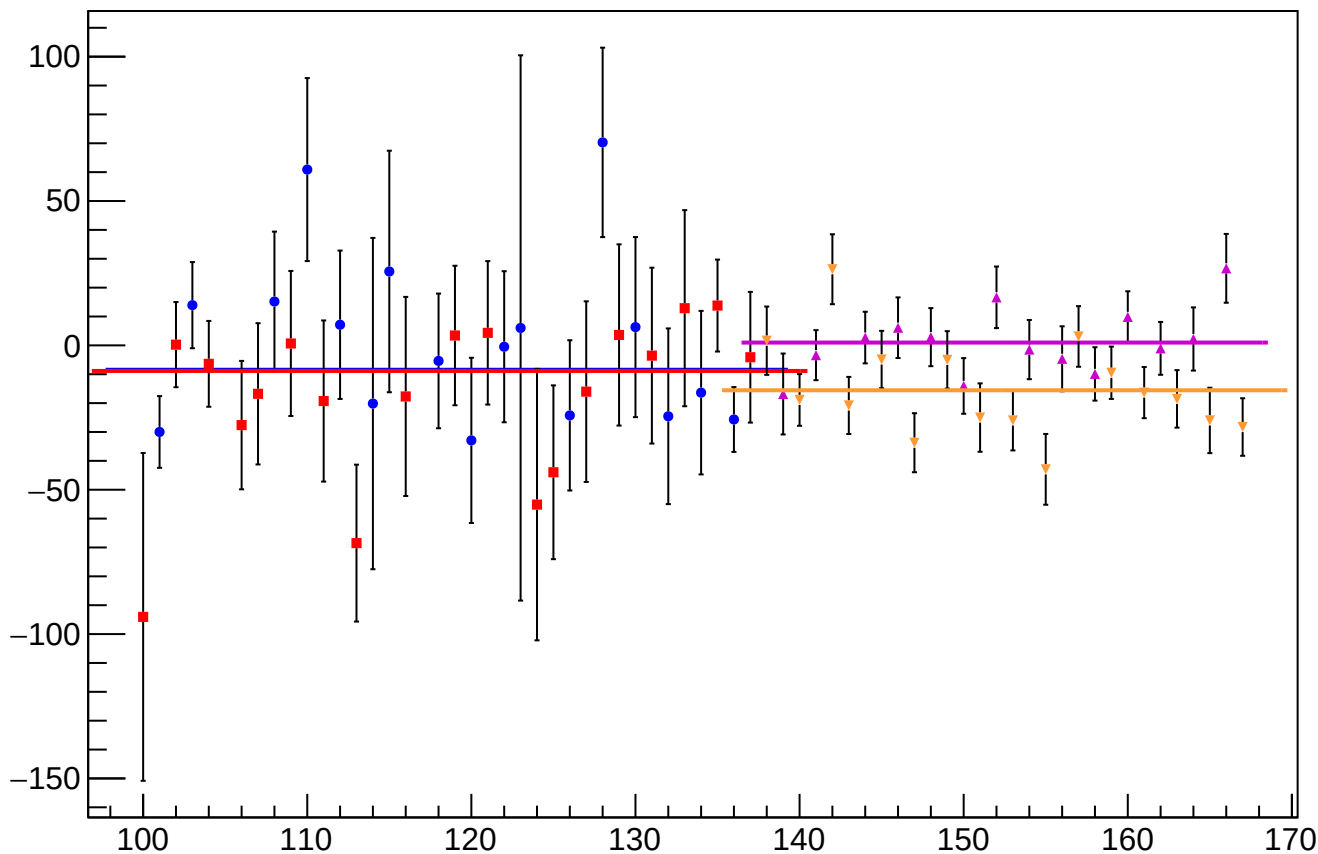
Left In: 6335.674 $\pm$ 1.372 χ^2 /NDF: 228368.5/13

+ sign 6488.563 $\pm$ 1.080 χ^2 /NDF: 932285.4/32

All: 6480.523 $\pm$ 0.770 χ^2 /NDF: 1844293.2/65

- sign 6472.216 $\pm$ 1.098 χ^2 /NDF: 911895.1/32

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

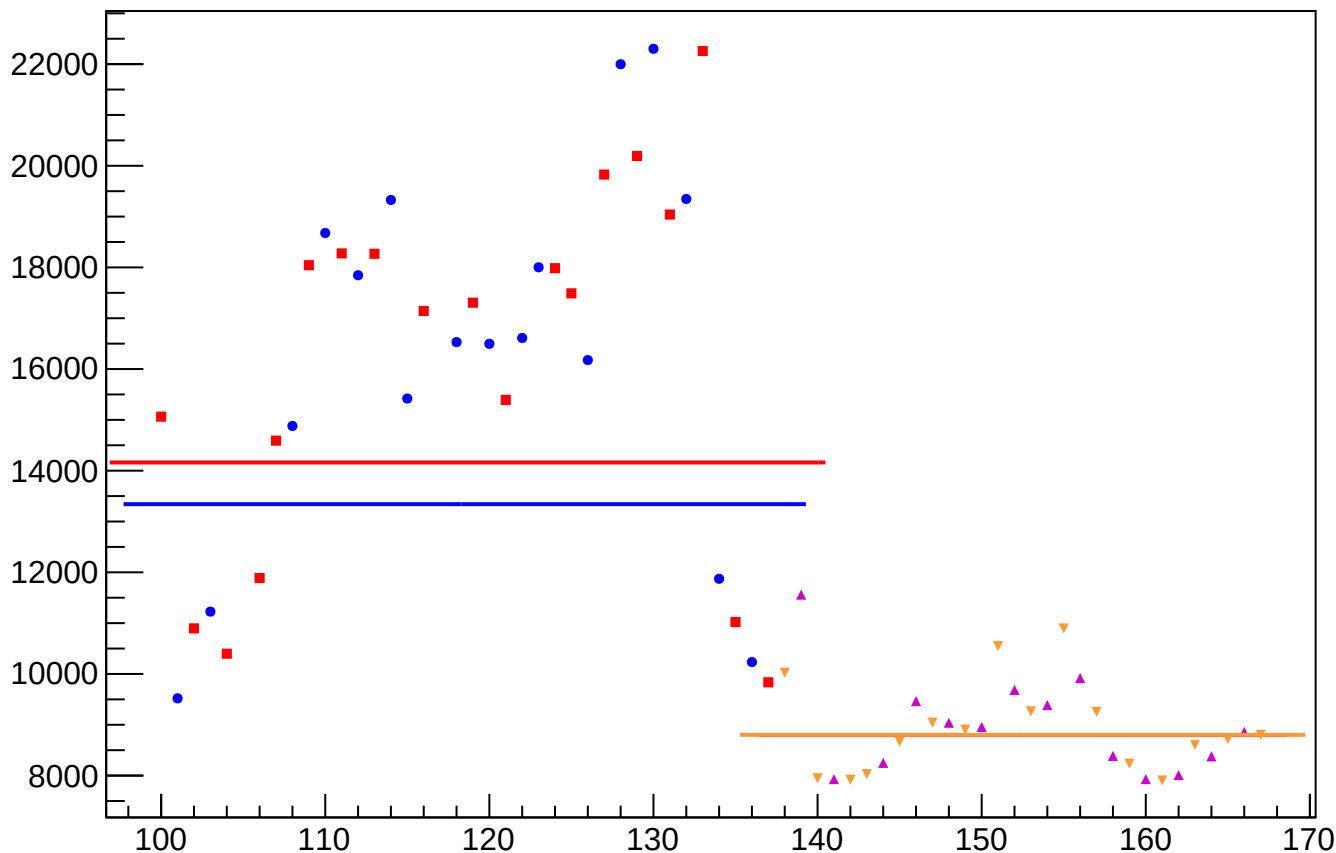
Left In: 0.972 ± 2.687 χ^2/NDF : 14.2/13

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

All: -7.845 ± 1.673 χ^2/NDF : 103.0/65

- sign -0.917 ± 2.415 χ^2/NDF : 31.0/32

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

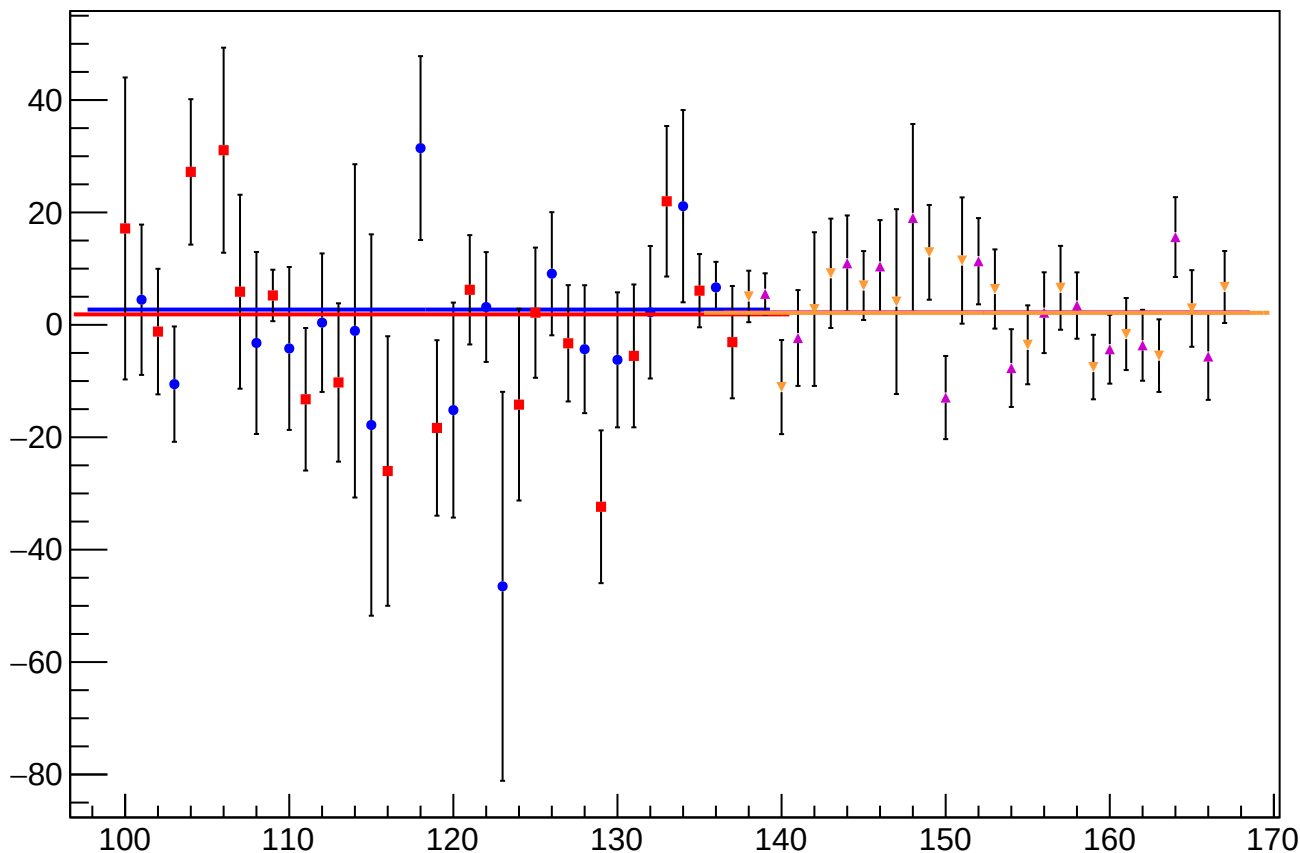
Left In: 8797.085 +/- 1.900 χ^2/NDF : 196176.7/13

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

All: 9730.946 +/- 1.183 χ^2/NDF : 5069035.8/65

- sign 9828.213 +/- 1.708 χ^2/NDF : 2660403.2/32

diff_bpm1Y_mean vs Slug



Right In: 2.717 $\pm$ 2.752 χ^2 /NDF: 11.6/16

Left Out: 2.142 $\pm$ 1.787 χ^2 /NDF:12.8/15

Right Out: 1.861 $\pm$ 2.439 χ^2 /NDF: 23.5/18

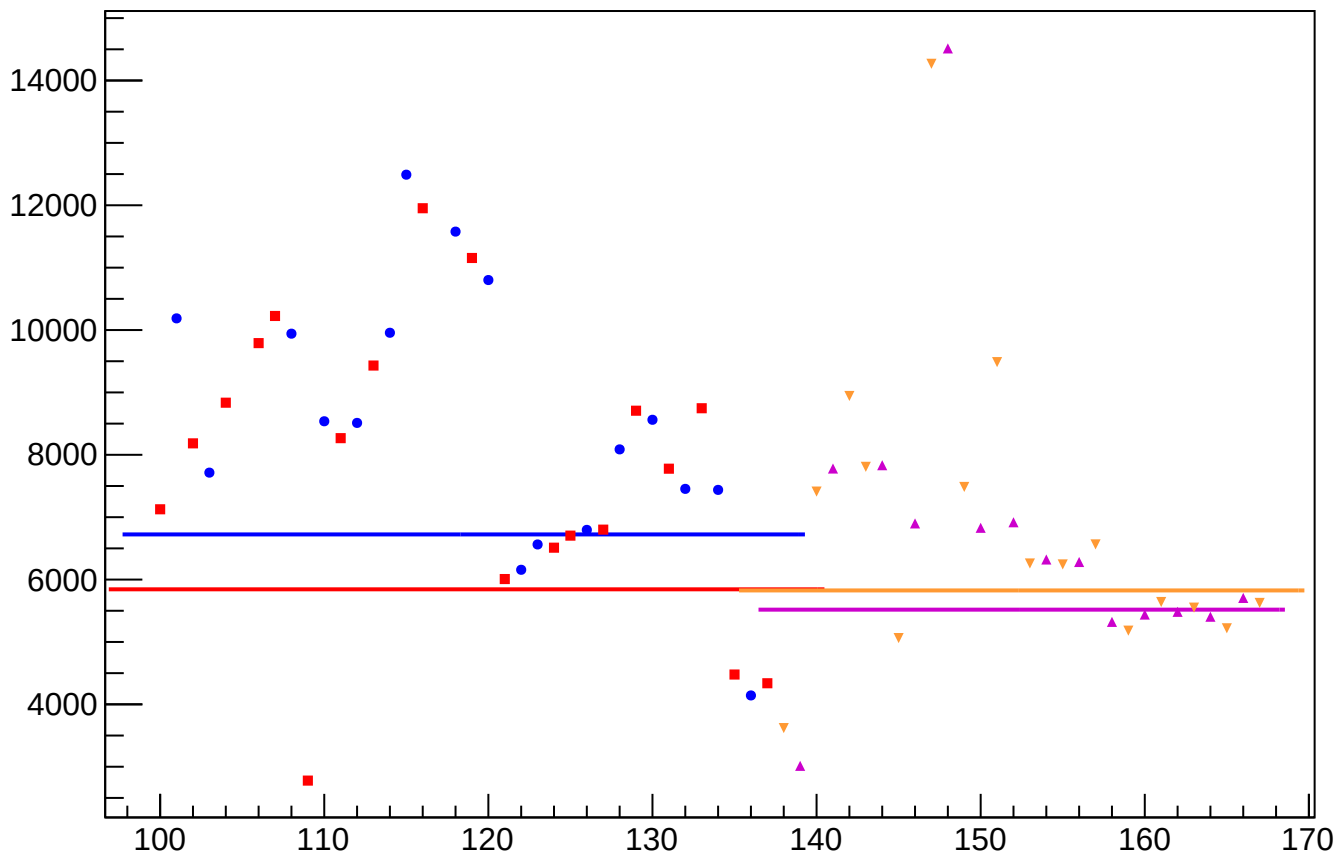
Left In: 2.224 $\pm$ 1.786 χ^2 /NDF:18.4/13

+ sign 2.313 $\pm$ 1.499 χ^2 /NDF: 24.5/32

All: 2.201 $\pm$ 1.039 χ^2 /NDF: 66.5/65

- sign 2.097 $\pm$ 1.441 χ^2 /NDF: 42.0/32

diff_bpm1Y_rms vs Slug



Right In: 6723.839 ± 1.946 $\chi^2/\text{NDF}: 1392082.5/16$

Left Out: 5825.979 ± 1.264 $\chi^2/\text{NDF}: 1653003.1/15$

Right Out: 5843.829 ± 1.725 $\chi^2/\text{NDF}: 2277223.8/18$

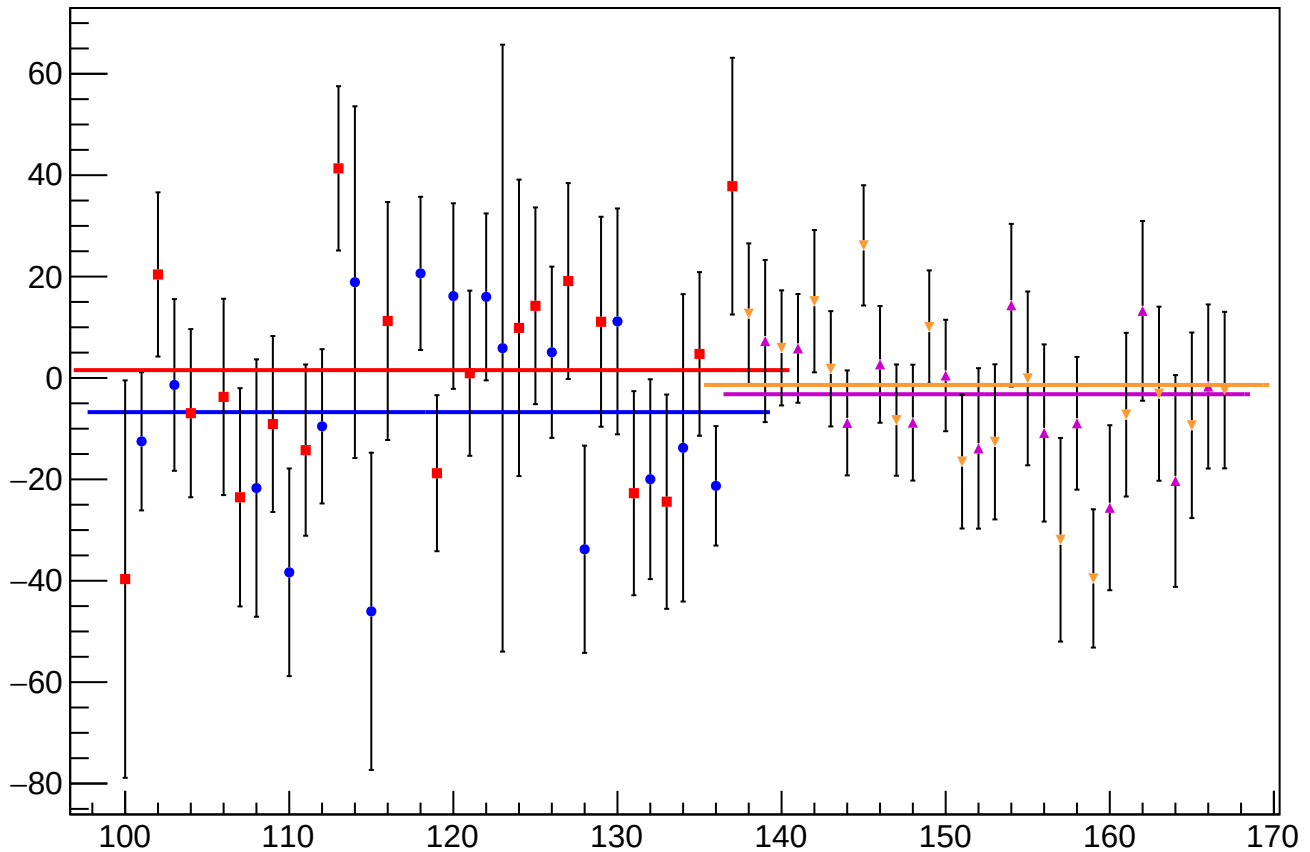
Left In: 5517.824 ± 1.263 $\chi^2/\text{NDF}: 2046662.4/13$

+ sign 6092.268 ± 1.060 $\chi^2/\text{NDF}: 3194831.7/32$

All: 5852.952 ± 0.735 $\chi^2/\text{NDF}: 7640122.7/65$

- sign 5631.661 ± 1.019 $\chi^2/\text{NDF}: 4347142.9/32$

diff_bpm11X_mean vs Slug



Right In: -6.736 $\pm$ 4.513 χ^2 /NDF: 16.9/16

Left Out: -1.370 $\pm$ 3.433 χ^2 /NDF: 22.1/15

Right Out: 1.549 $\pm$ 4.372 χ^2 /NDF: 20.0/18

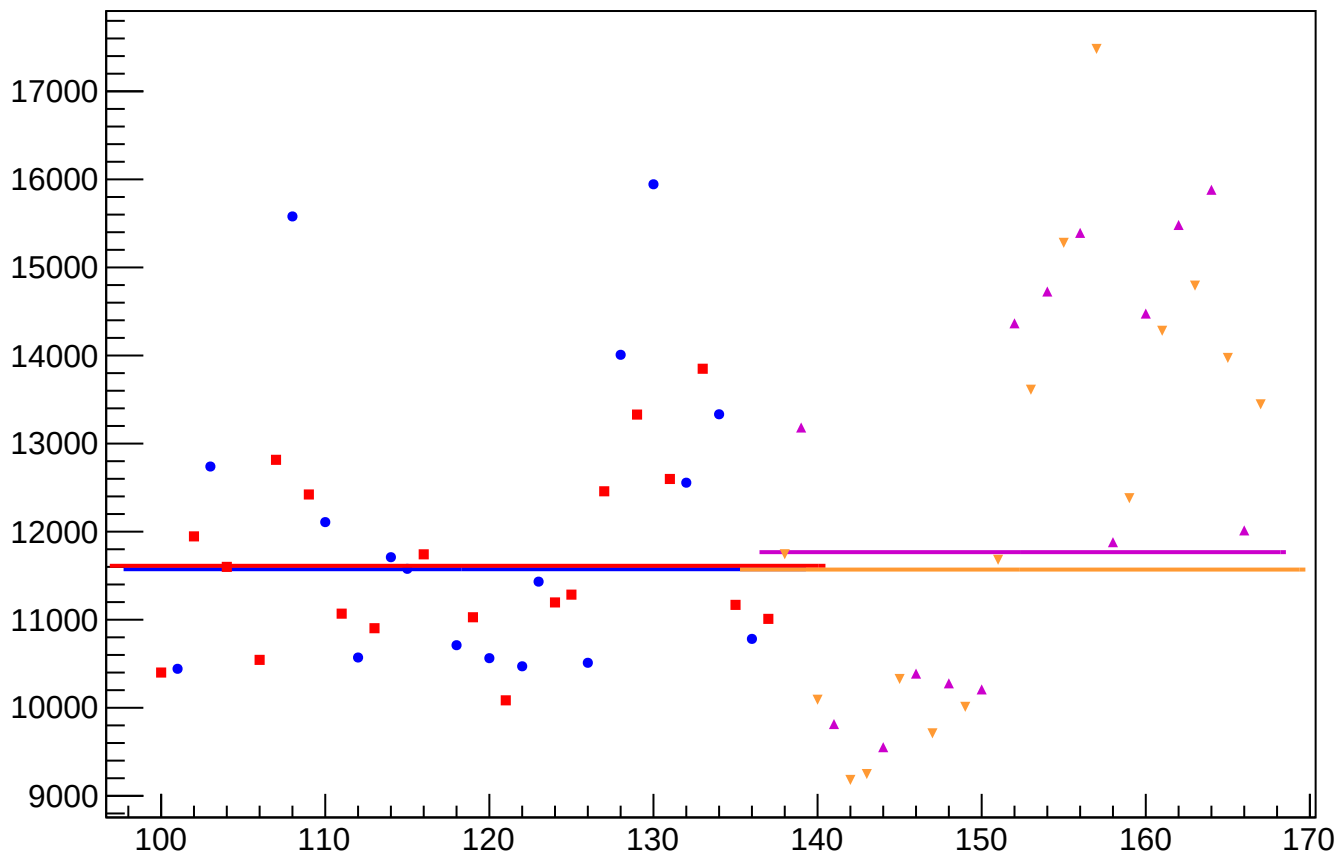
Left In: -3.200 $\pm$ 3.640 χ^2 /NDF: 7.5/13

+ sign -3.337 $\pm$ 2.732 χ^2 /NDF: 39.8/32

All: -2.321 $\pm$ 1.955 χ^2 /NDF: 68.3/65

- sign -1.256 $\pm$ 2.797 χ^2 /NDF: 28.2/32

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

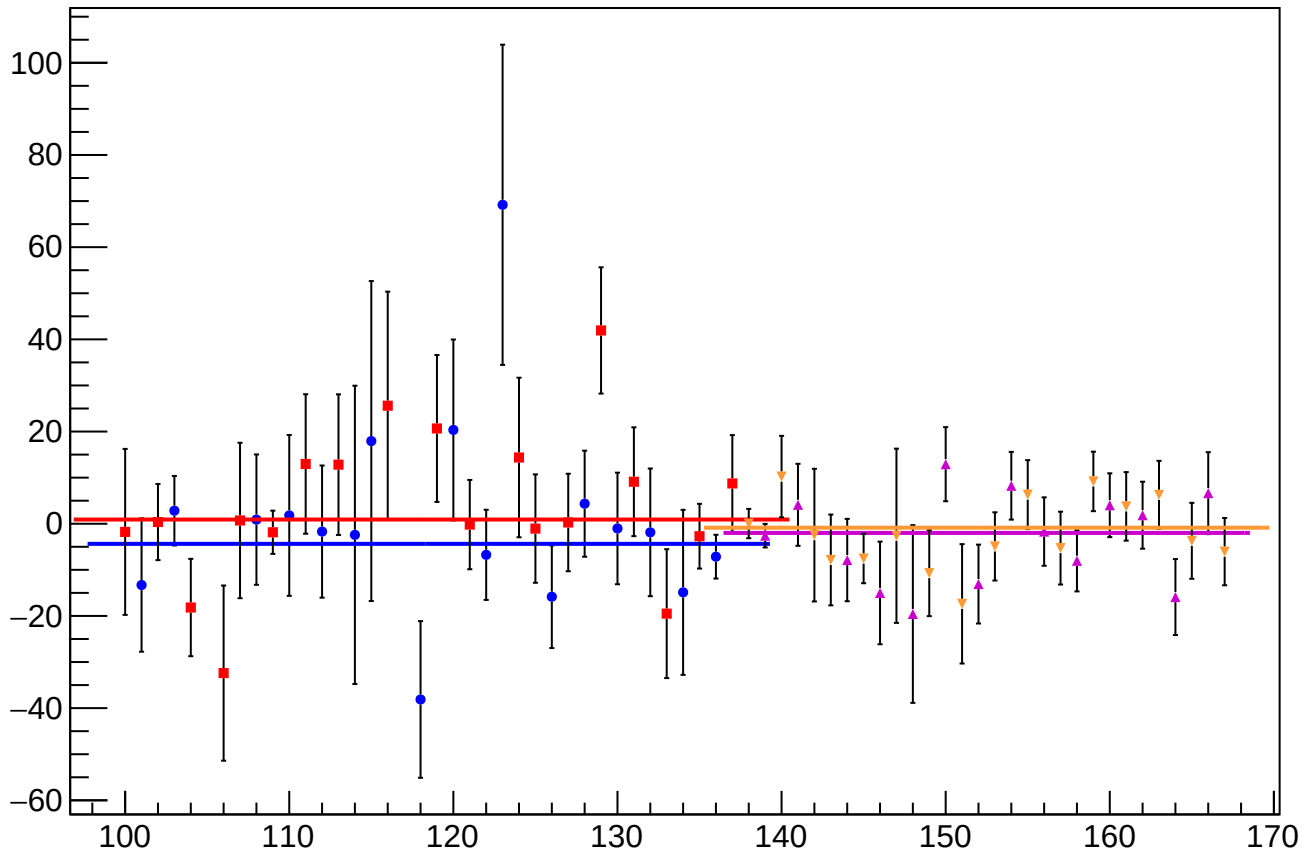
Left In: 11767.198 $\pm$ 2.574 χ^2 /NDF: 706002.7/13

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

All: 11635.759 $\pm$ 1.382 χ^2 /NDF: 1837346.4/6

- sign 11703.763 $\pm$ 1.978 χ^2 /NDF: 801795.0/32

diff_bpm11Y_mean vs Slug

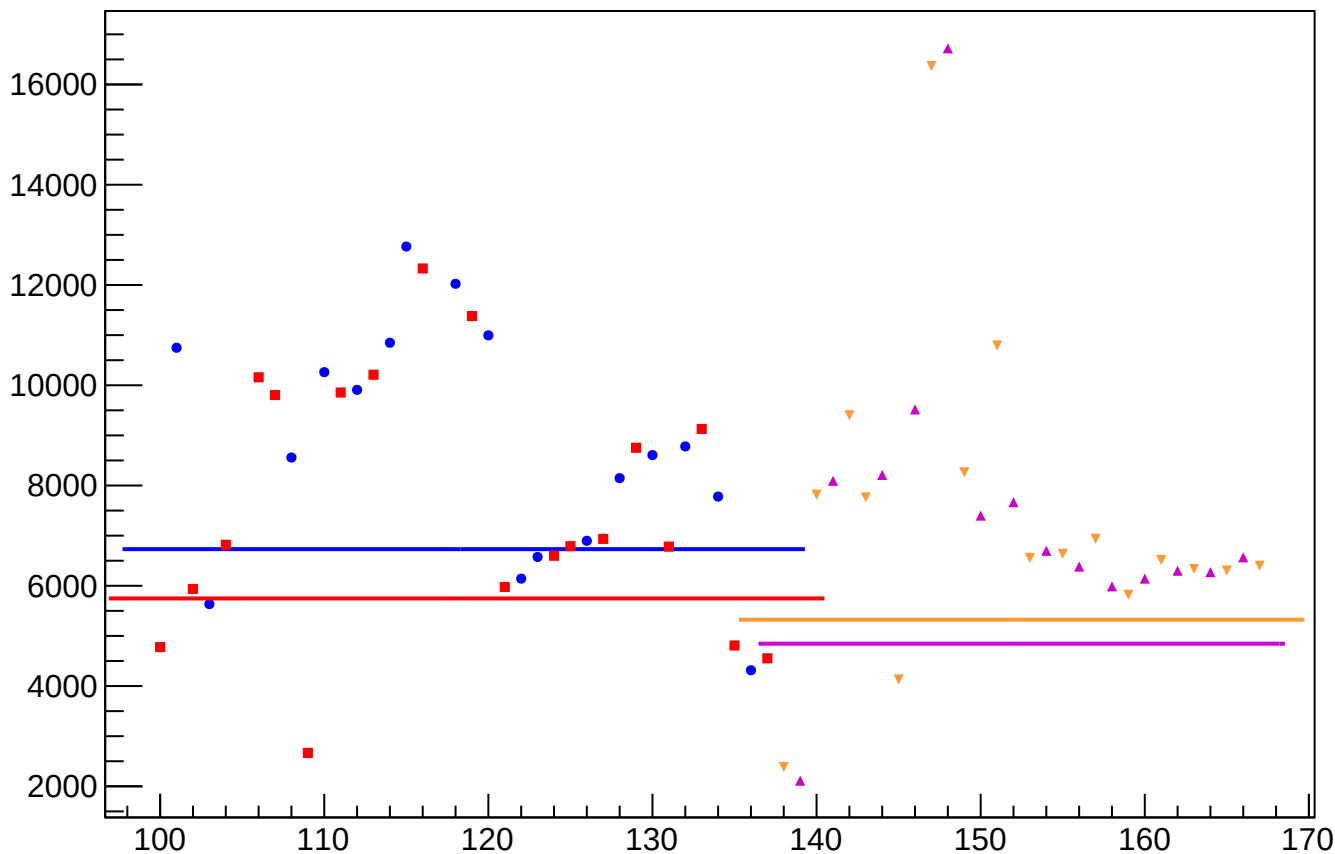


+ sign -1.849 ± 1.478 χ^2/NDF : 28.0/32

All: -1.416 ± 1.014 χ^2/NDF : 68.6/65

- sign -1.030 ± 1.395 χ^2/NDF : 40.4/32

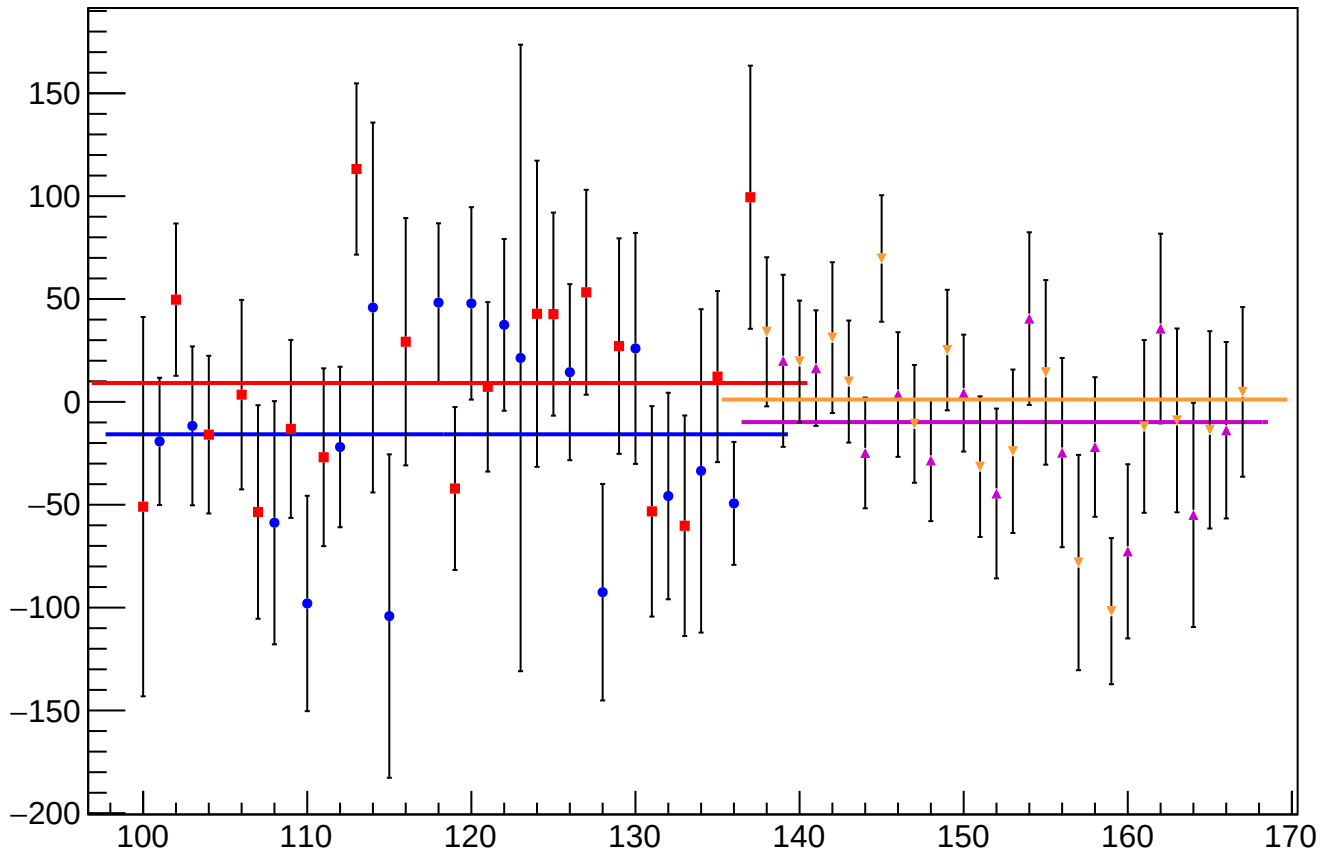
diff_bpm11Y_rms vs Slug



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: 4844.968+/-1.206 χ^2/NDF : 4918029.6/13

+ sign 5721.956+/-1.045 χ^2/NDF : 5677589.3/32
 All: 5416.004+/-0.717 χ^2/NDF : 13105350.0/6
 - sign 5143.366+/-0.986 χ^2/NDF : 7265612.9/32

diff_bpm12X_mean vs Slug



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

Left Out: 1.147 ± 8.958 χ^2/NDF : 20.1/15

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

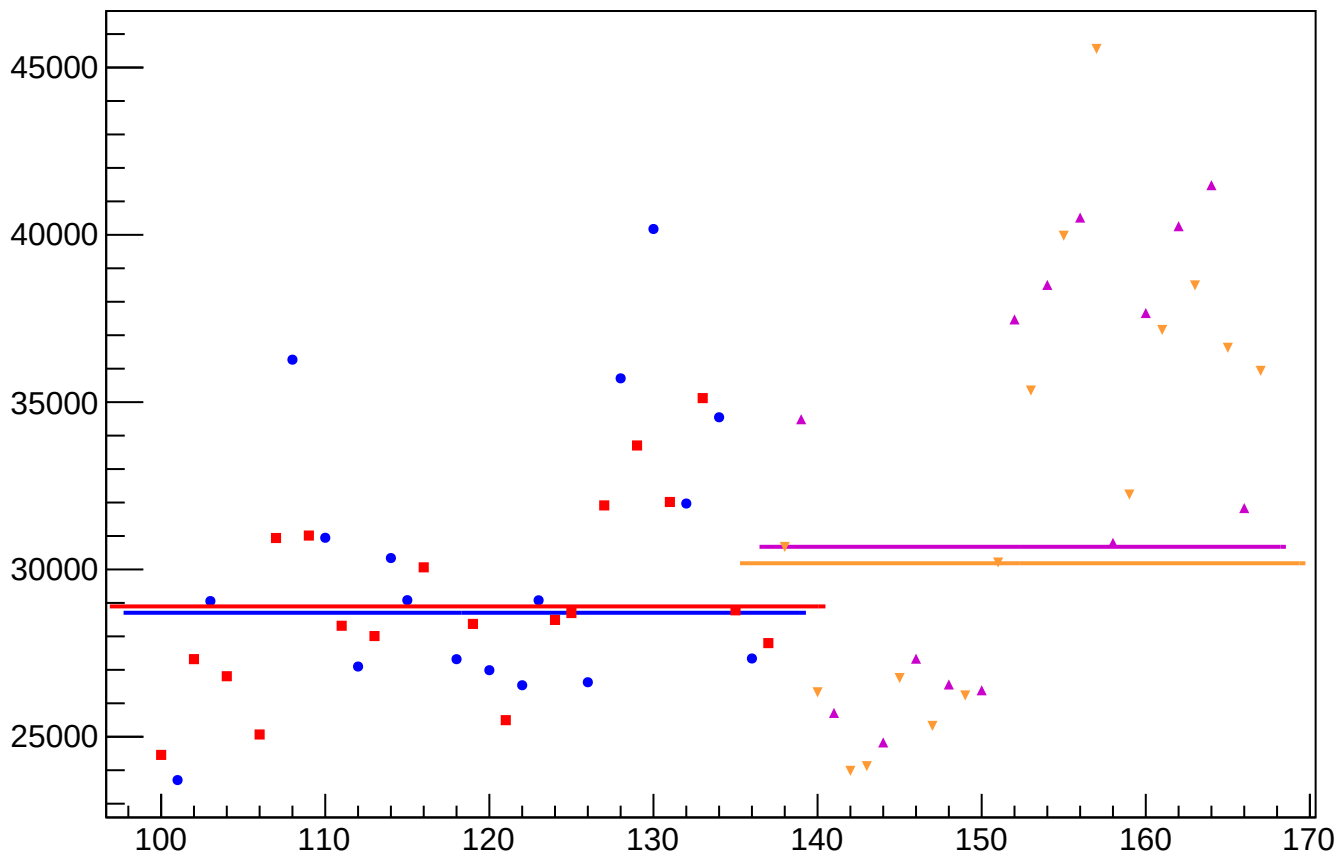
Left In: -9.825 ± 9.492 χ^2/NDF : 8.8/13

+ sign -5.440 ± 6.998 χ^2/NDF : 37.4/32

All: -3.573 ± 5.003 χ^2/NDF : 67.3/65

- sign -1.620 ± 7.155 χ^2/NDF : 29.8/32

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

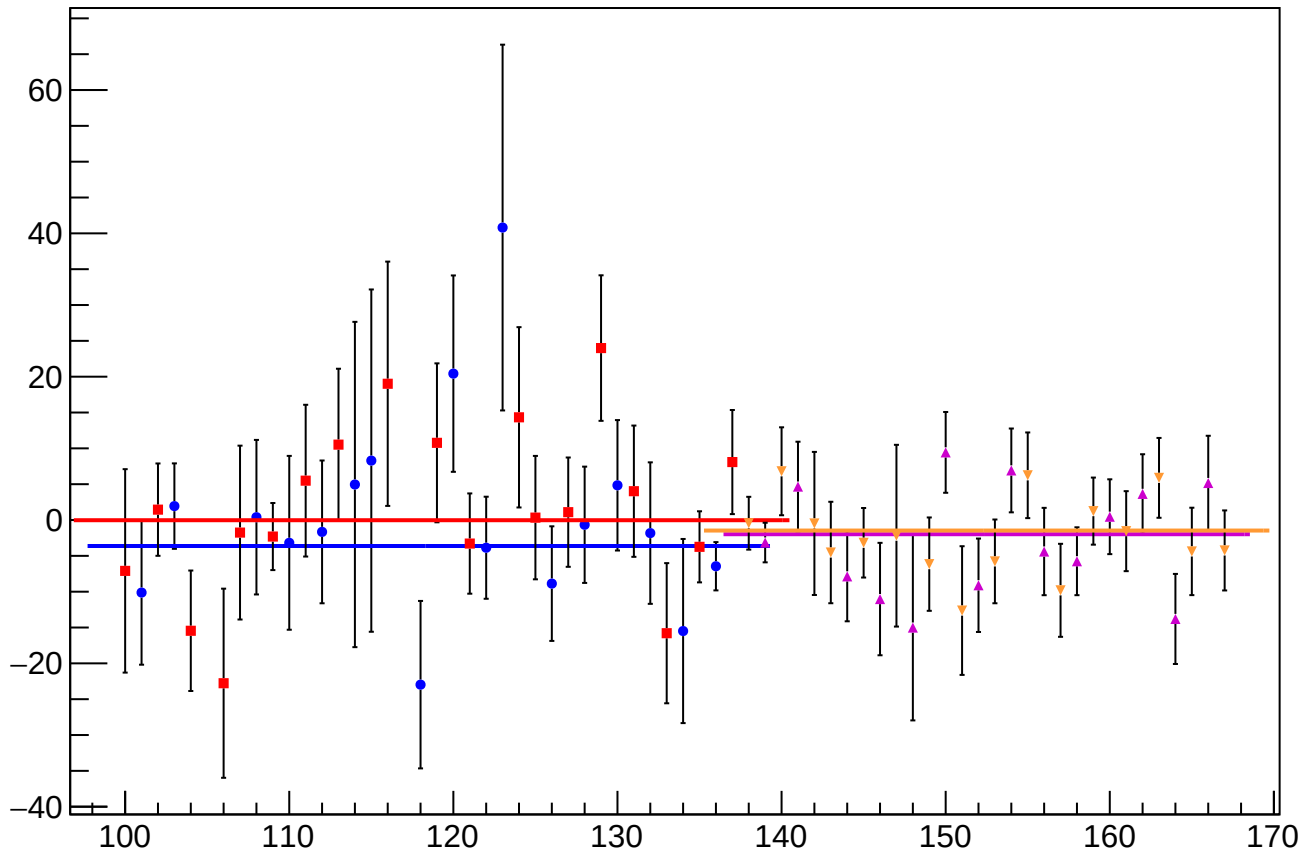
Left In: 30677.048+/-6.712 χ^2/NDF : 718436.4/13

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

All: 29754.813+/-3.538 χ^2/NDF : 1935606.7/6

- sign 29907.886+/-5.059 χ^2/NDF : 860069.1/32

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

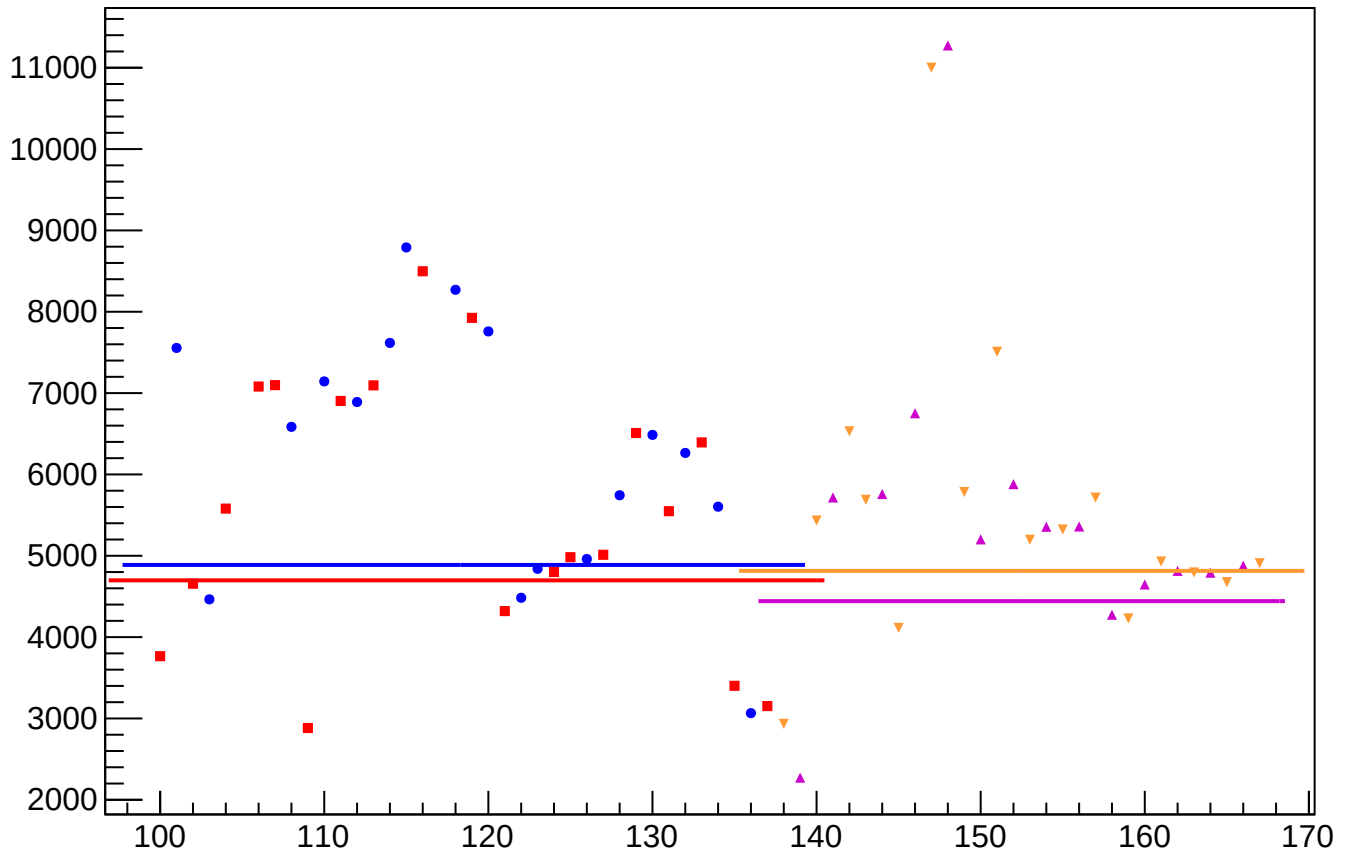
Left In: -1.981 ± 1.447 χ^2/NDF : 18.9/13

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

All: -1.725 ± 0.824 χ^2/NDF : 67.2/65

- sign -1.259 ± 1.149 χ^2/NDF : 41.7/32

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

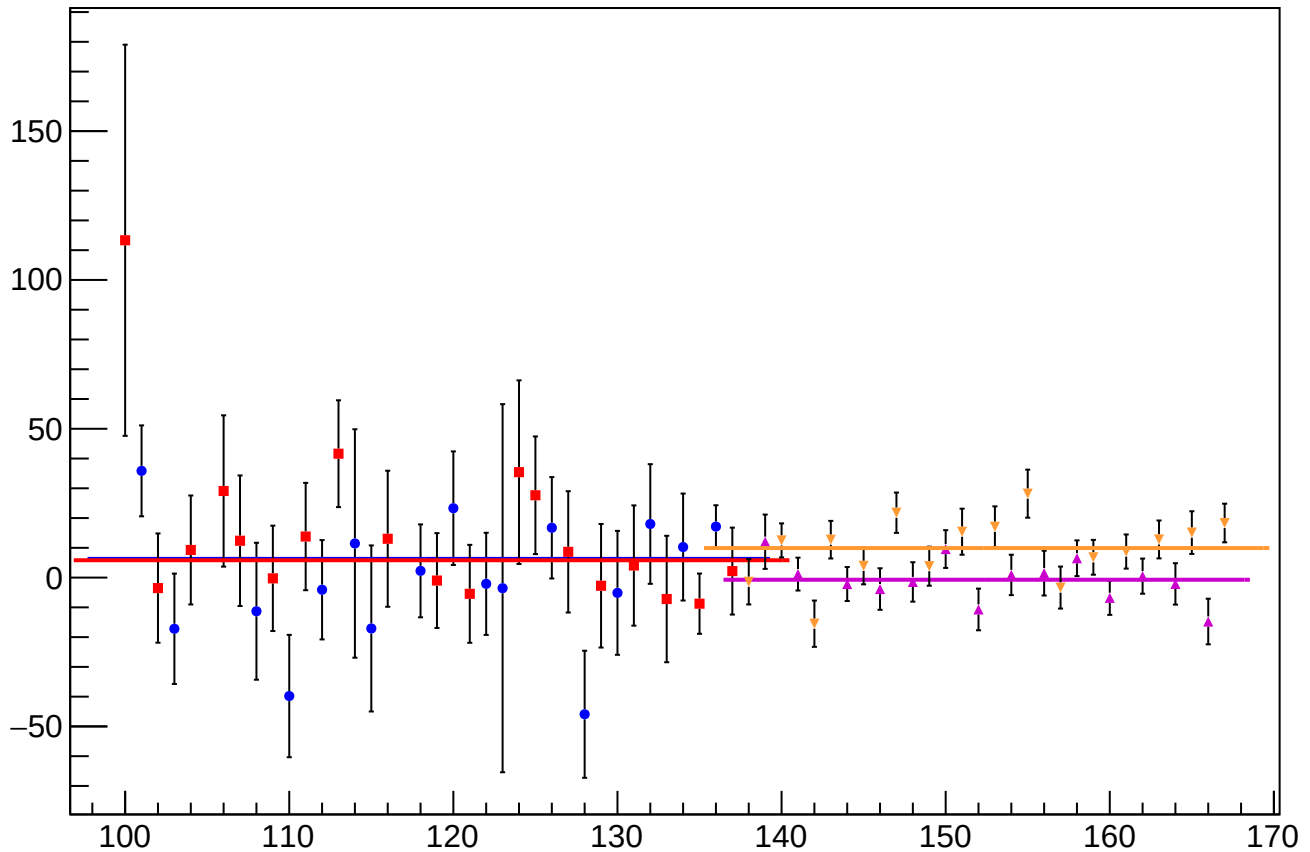
Left In: 4442.535+/-1.023 χ^2/NDF : 2393548.3/13

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

All: 4683.800+/-0.583 χ^2/NDF : 6676484.1/65

- sign 4536.816+/-0.812 χ^2/NDF : 3729661.2/32

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

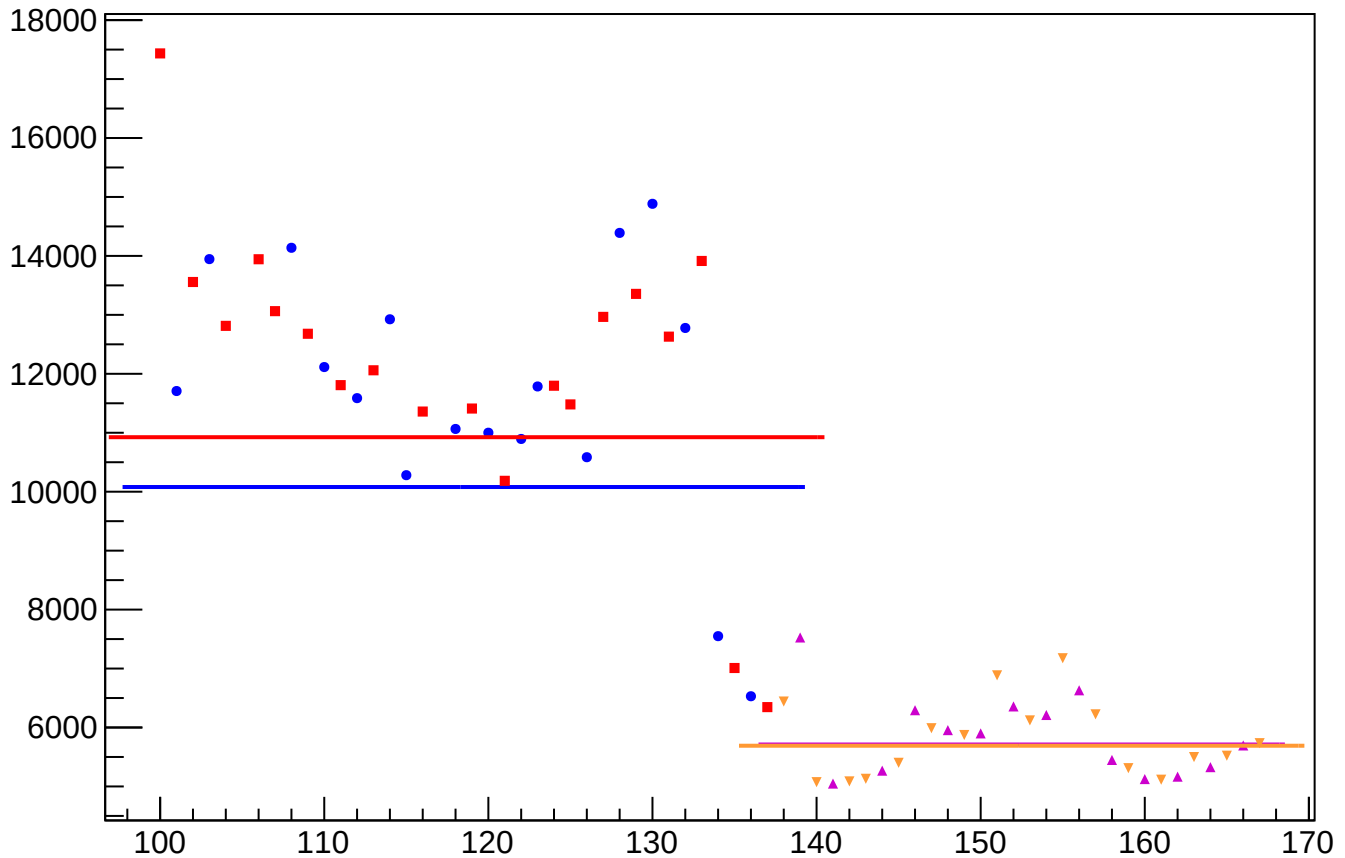
Left In: -0.724 ± 1.746 χ^2/NDF : 13.2/13

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

All: 5.033 ± 1.114 χ^2/NDF : 100.3/65

- sign 0.235 ± 1.614 χ^2/NDF : 29.0/32

diff_bpm16X_rms vs Slug



Right In: 10079.454+/-2.874 χ^2/NDF : 994683.1/16

Left Out: 5690.782+/-1.176 χ^2/NDF : 246629.5/15

Right Out: 10924.541+/-2.983 χ^2/NDF : 768447.5/18

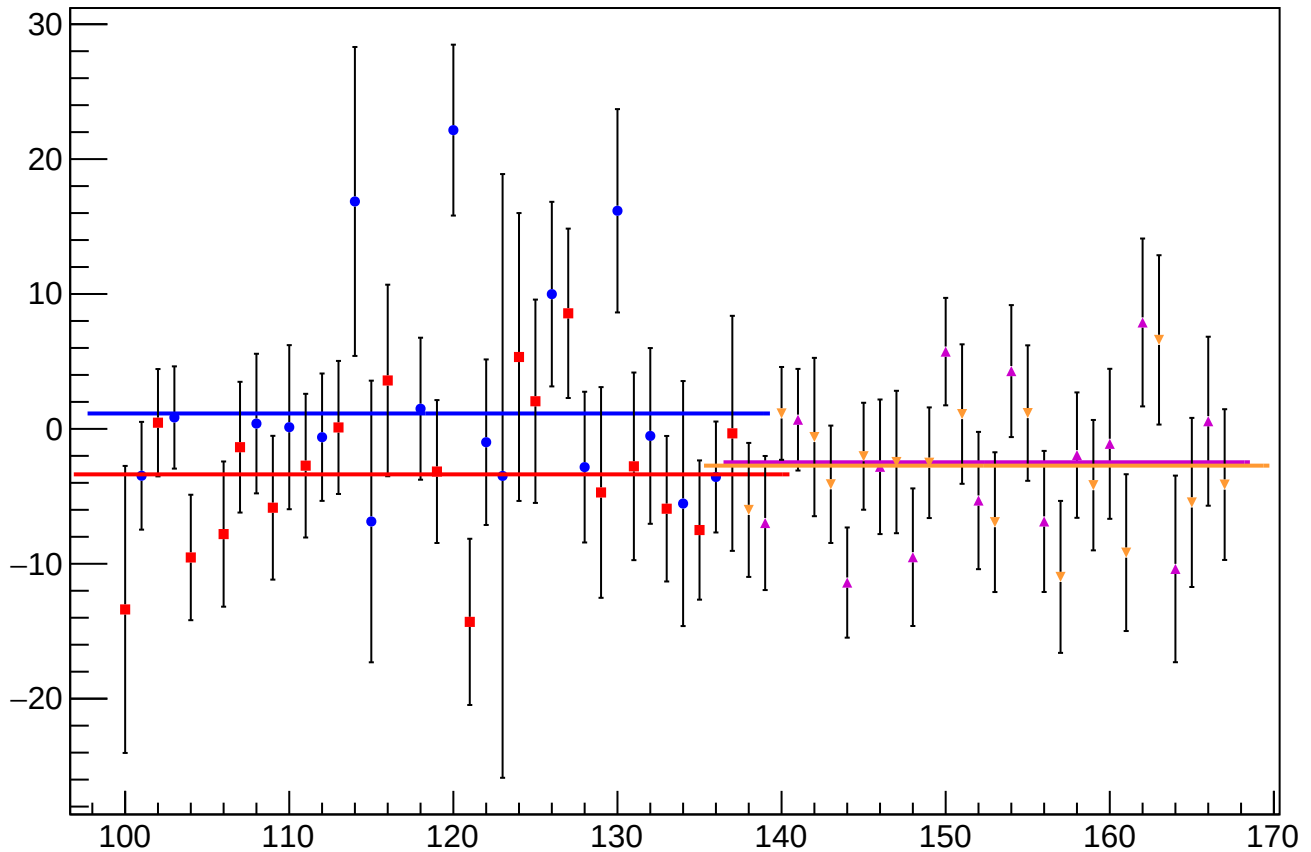
Left In: 5711.555+/-1.235 χ^2/NDF : 244113.9/13

+ sign 6320.474+/-1.089 χ^2/NDF : 3238865.5/32

All: 6393.645+/-0.788 χ^2/NDF : 6867599.3/65

- sign 6474.031+/-1.141 χ^2/NDF : 3619251.7/32

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

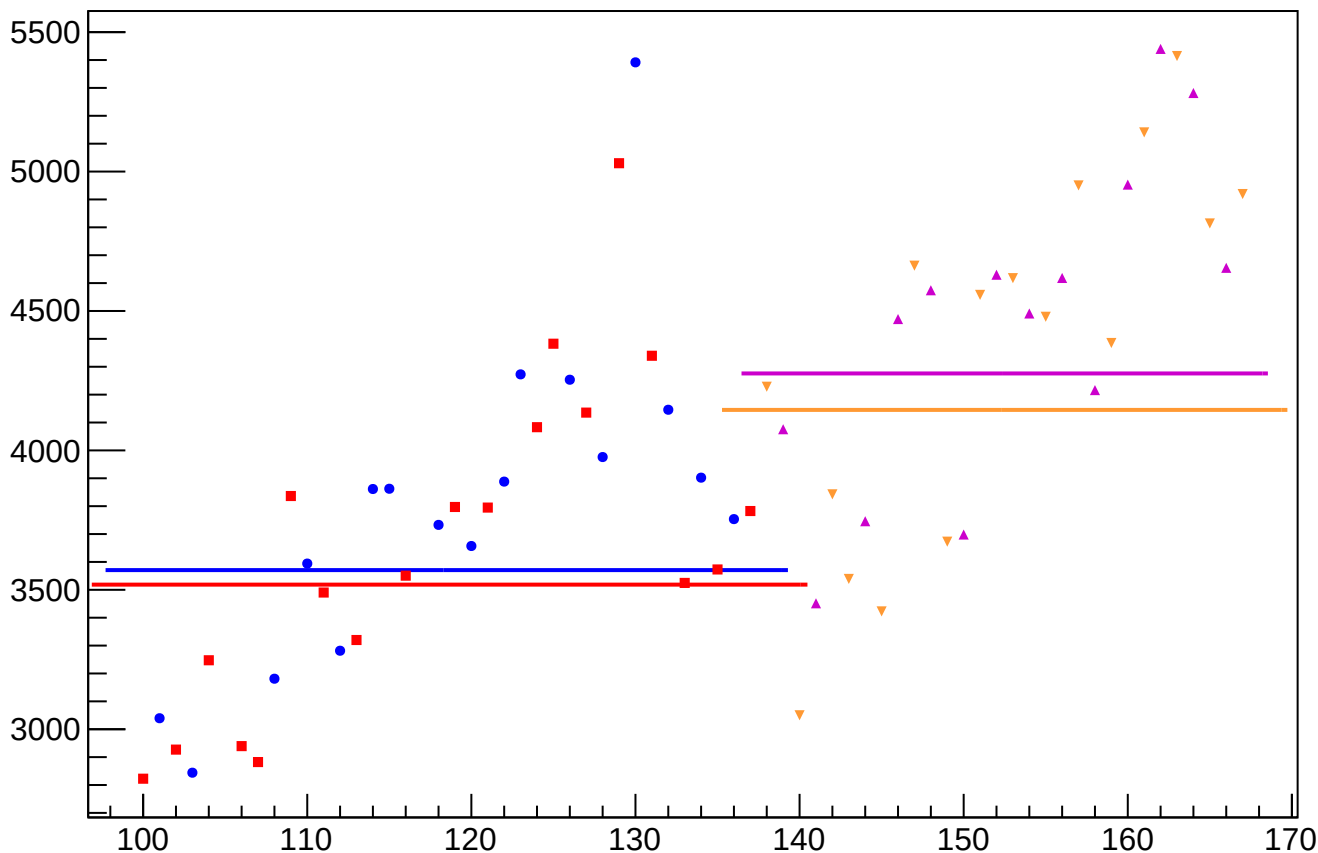
Left In: -2.475 ± 1.313 χ^2/NDF : 19.8/13

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

All: -1.964 ± 0.656 χ^2/NDF : 74.4/65

- sign -2.916 ± 0.935 χ^2/NDF : 35.1/32

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

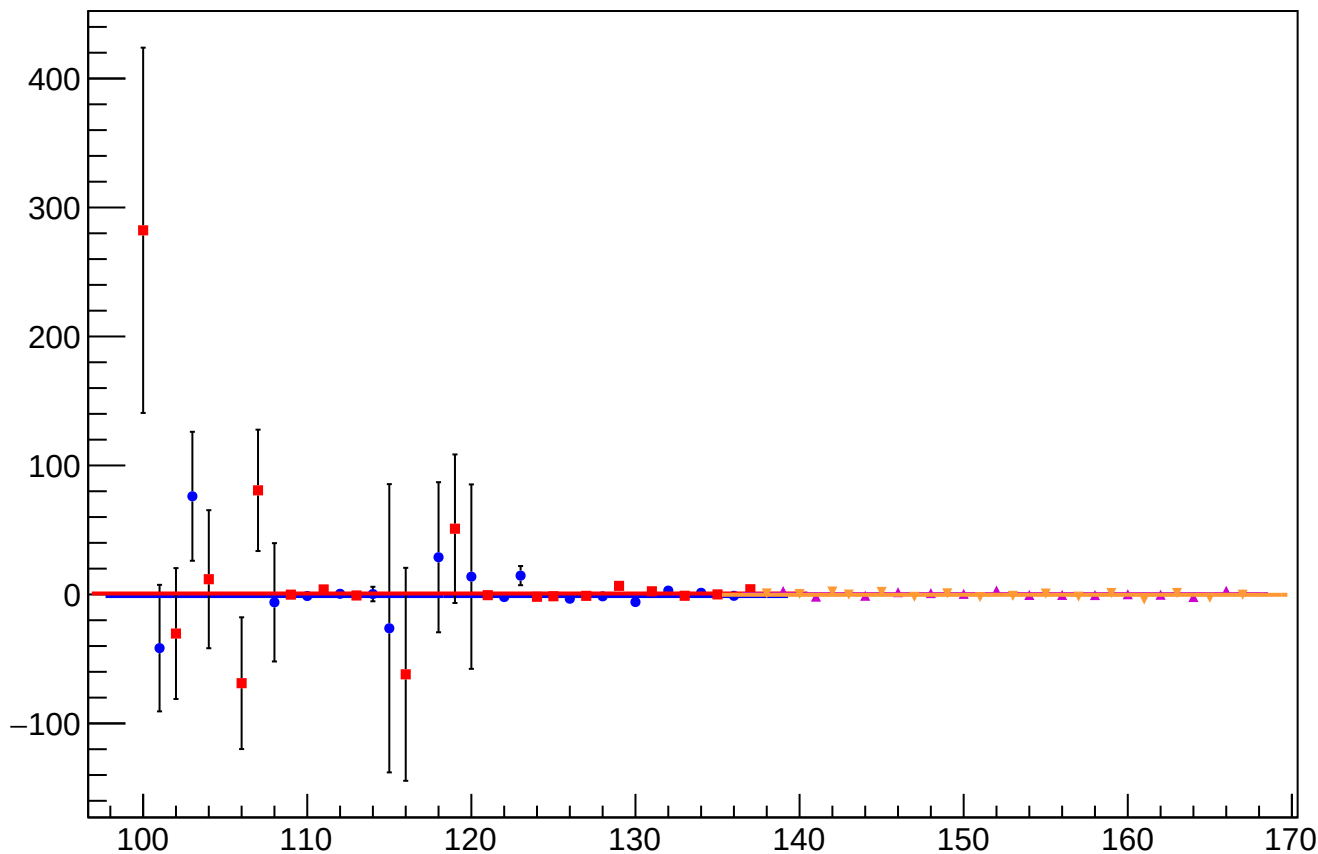
Left In: 4275.984+/-0.928 χ^2/NDF : 356328.9/13

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

All: 3899.134+/-0.464 χ^2/NDF : 2123483.3/65

- sign 3903.165+/-0.661 χ^2/NDF : 977291.5/32

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

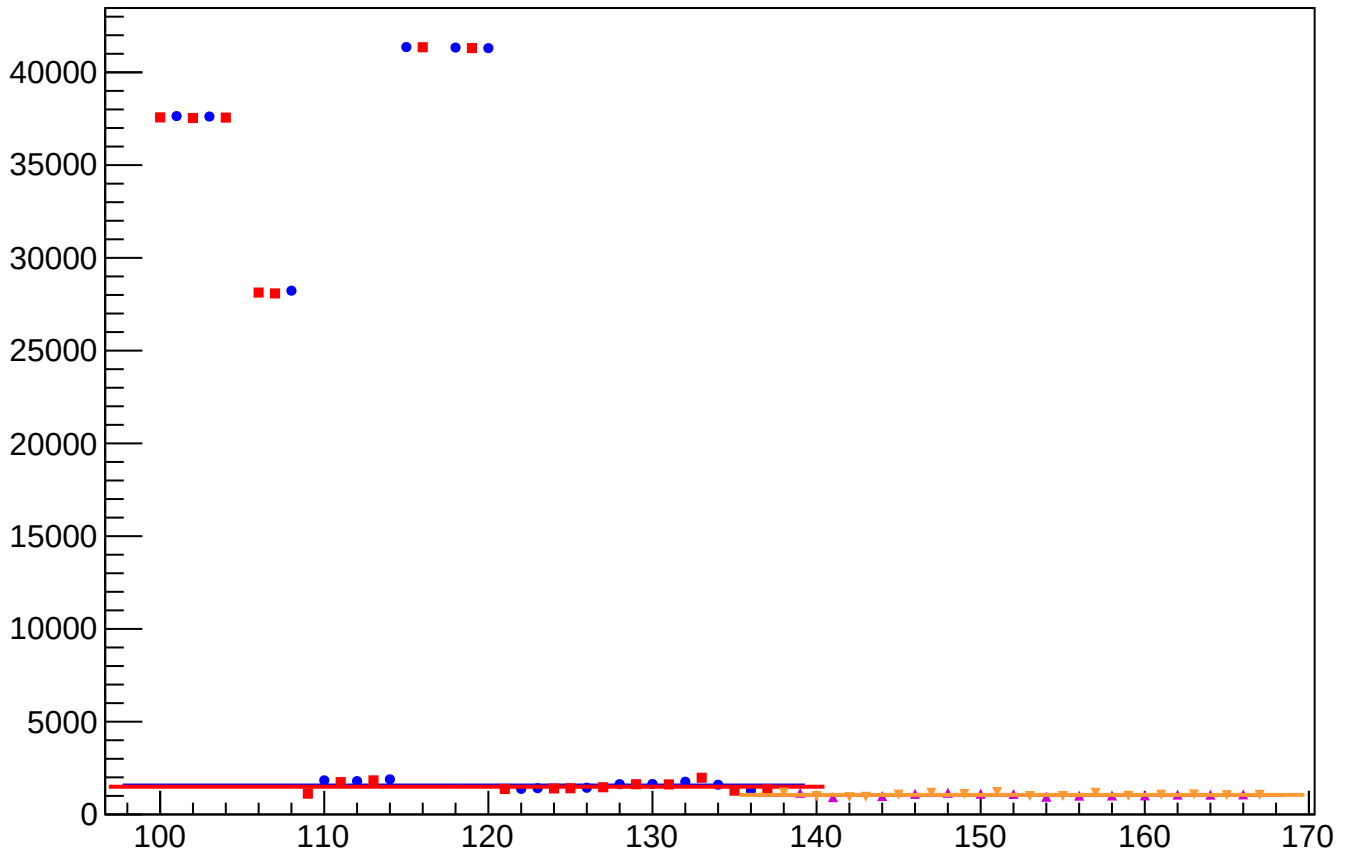
Left In: 0.236 ± 0.320 χ^2/NDF : 21.9/13

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

All: -0.057 ± 0.203 χ^2/NDF : 95.3/65

- sign 0.320 ± 0.291 χ^2/NDF : 44.4/32

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1054.422 $\pm$ 0.217 χ^2 /NDF: 129624.8/15

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

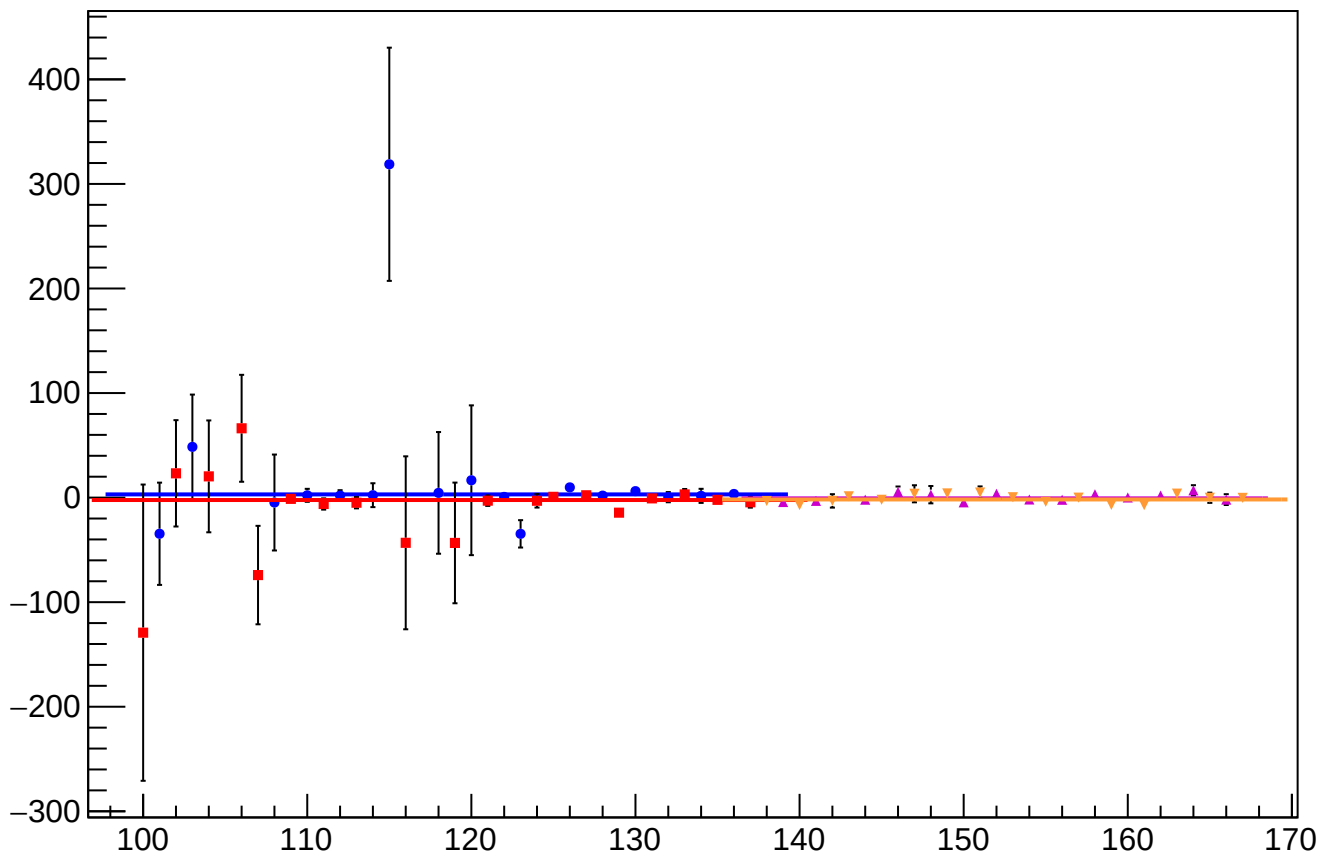
Left In: 1048.273 $\pm$ 0.226 χ^2 /NDF: 98493.8/13

+ sign 1127.198 $\pm$ 0.201 χ^2 /NDF: 5662373.2/32

All: 1125.350 $\pm$ 0.144 χ^2 /NDF: 11310788.8/6

- sign 1123.404 $\pm$ 0.206 χ^2 /NDF: 5648241.7/32

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

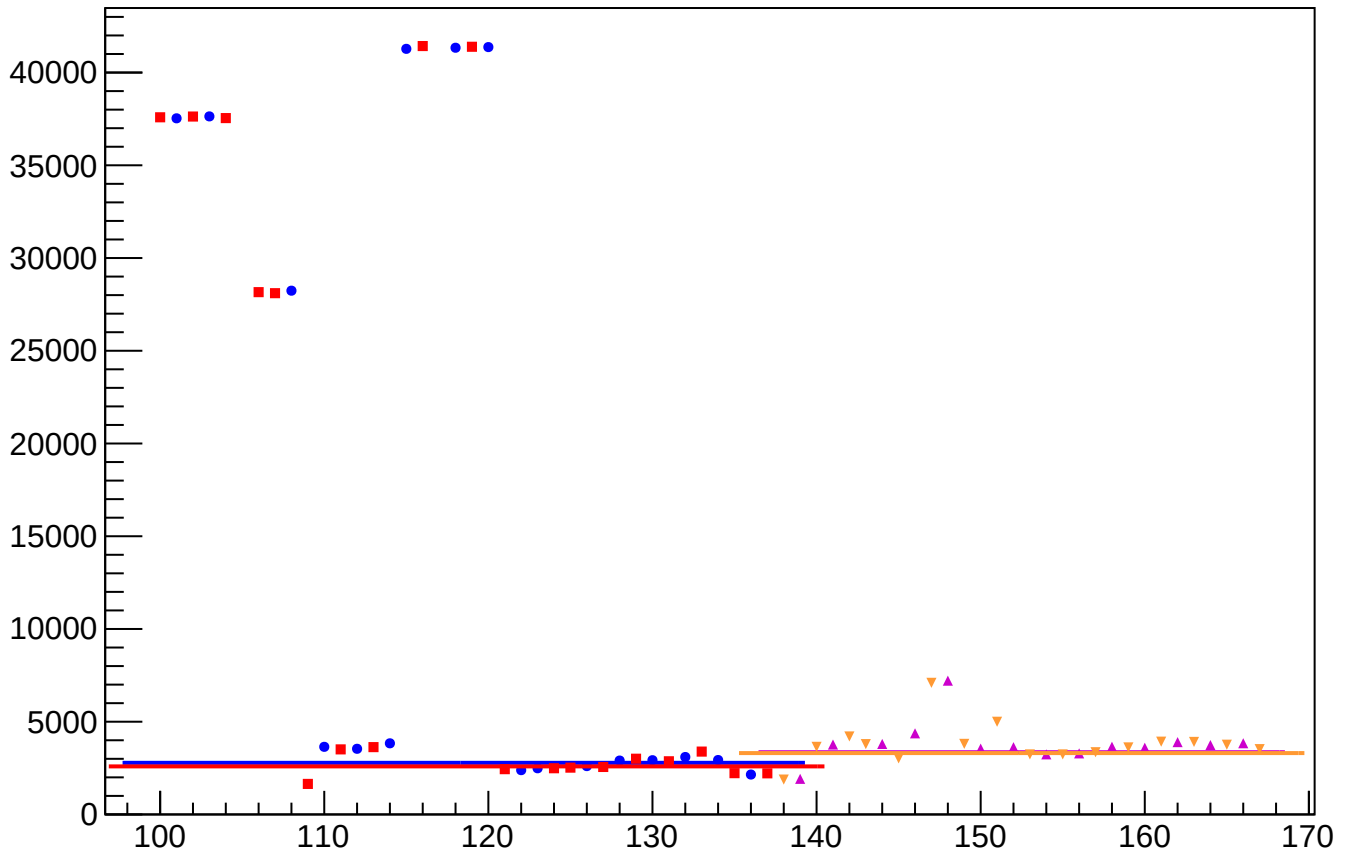
Left In: -0.716 ± 1.064 χ^2/NDF : 10.6/13

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

All: -0.691 ± 0.568 χ^2/NDF : 72.5/65

- sign -1.394 ± 0.806 χ^2/NDF : 28.5/32

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

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

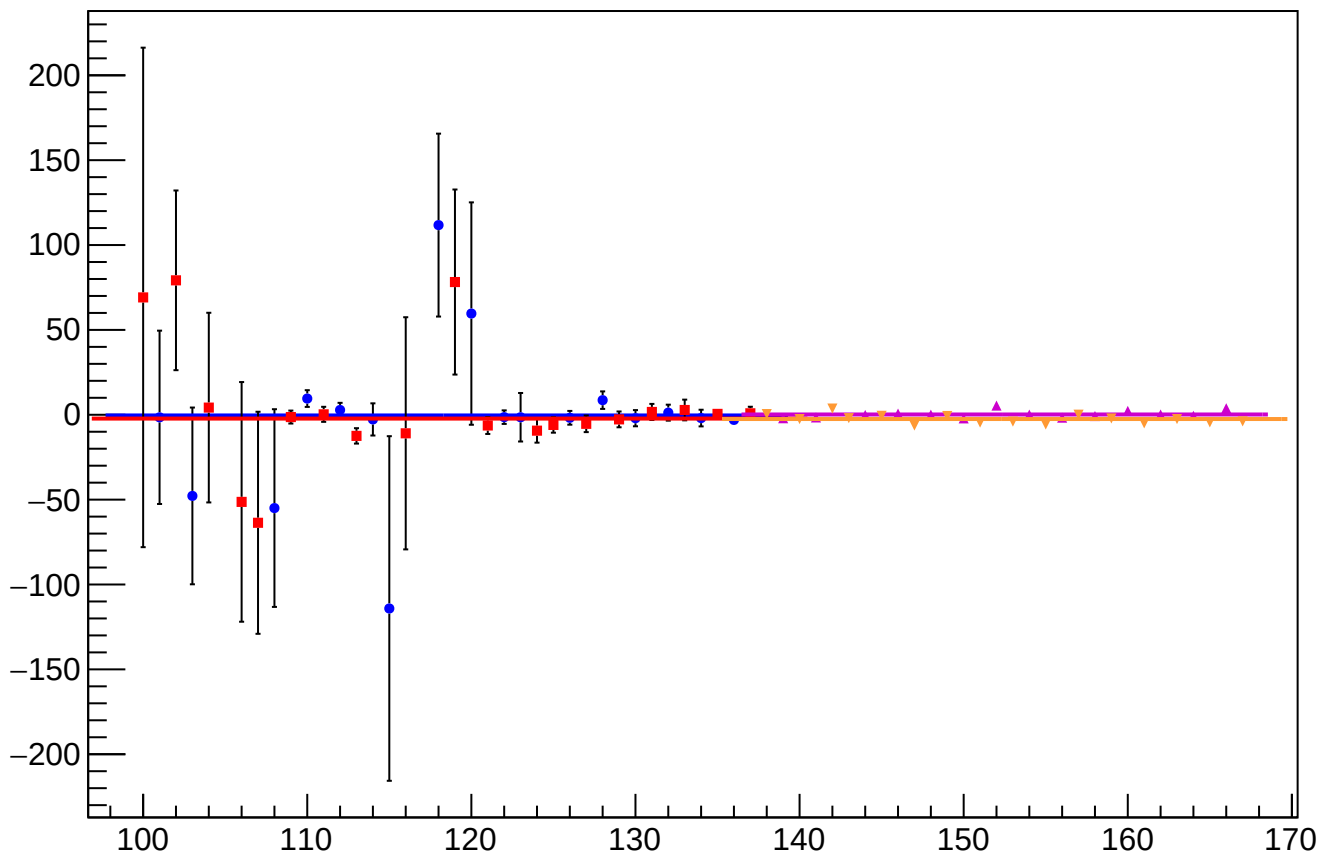
Left In: 3357.094+/-0.753 χ^2/NDF : 1388374.5/13

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

All: 3073.999+/-0.402 χ^2/NDF : 13081928.5/6

- sign 3030.532+/-0.570 χ^2/NDF : 6676717.9/32

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

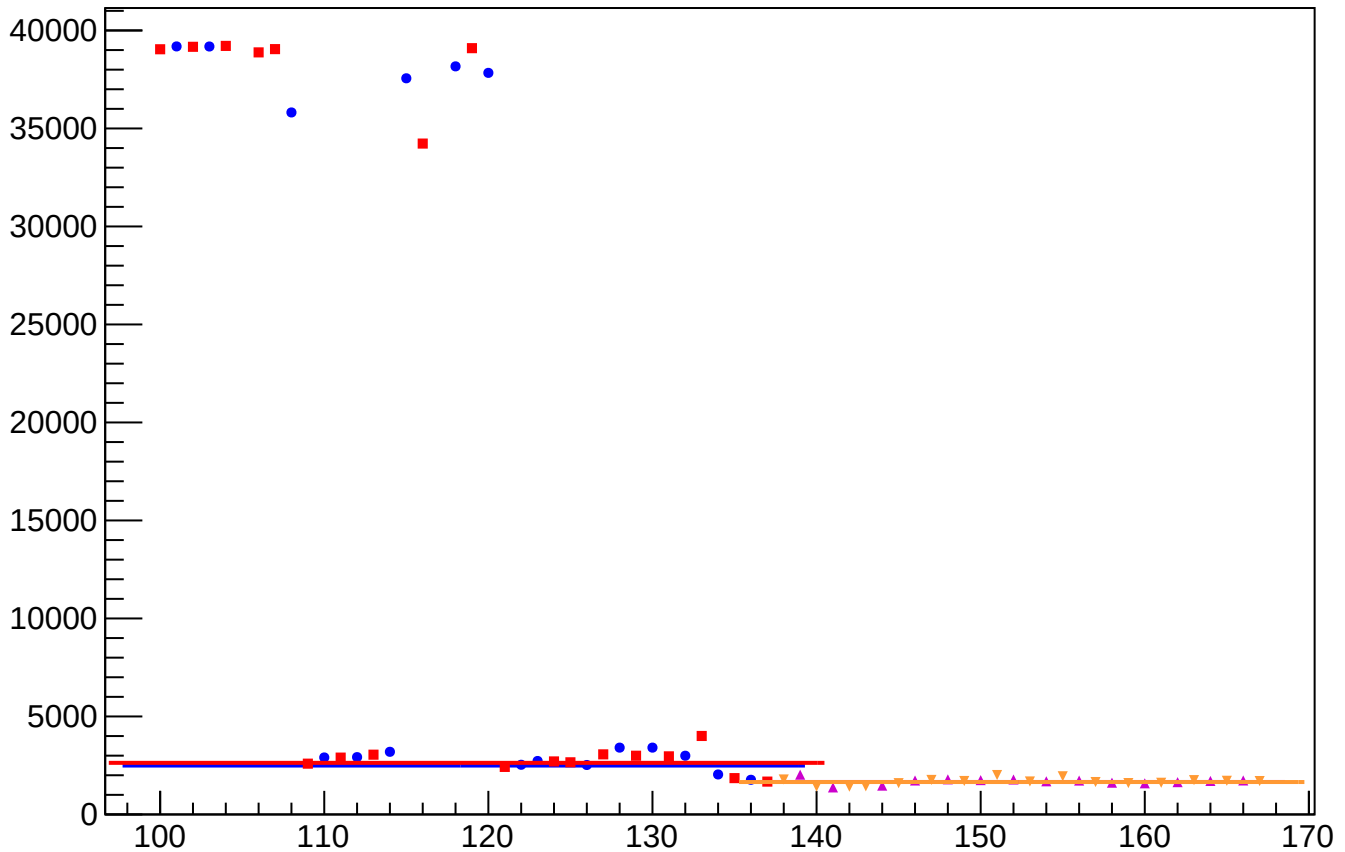
Left In: 0.169 ± 0.506 χ^2/NDF : 16.0/13

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

All: -1.242 ± 0.324 χ^2/NDF : 92.2/65

- sign -0.173 ± 0.469 χ^2/NDF : 36.7/32

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1654.459 $\pm$ 0.341 χ^2 /NDF: 212320.8/15

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

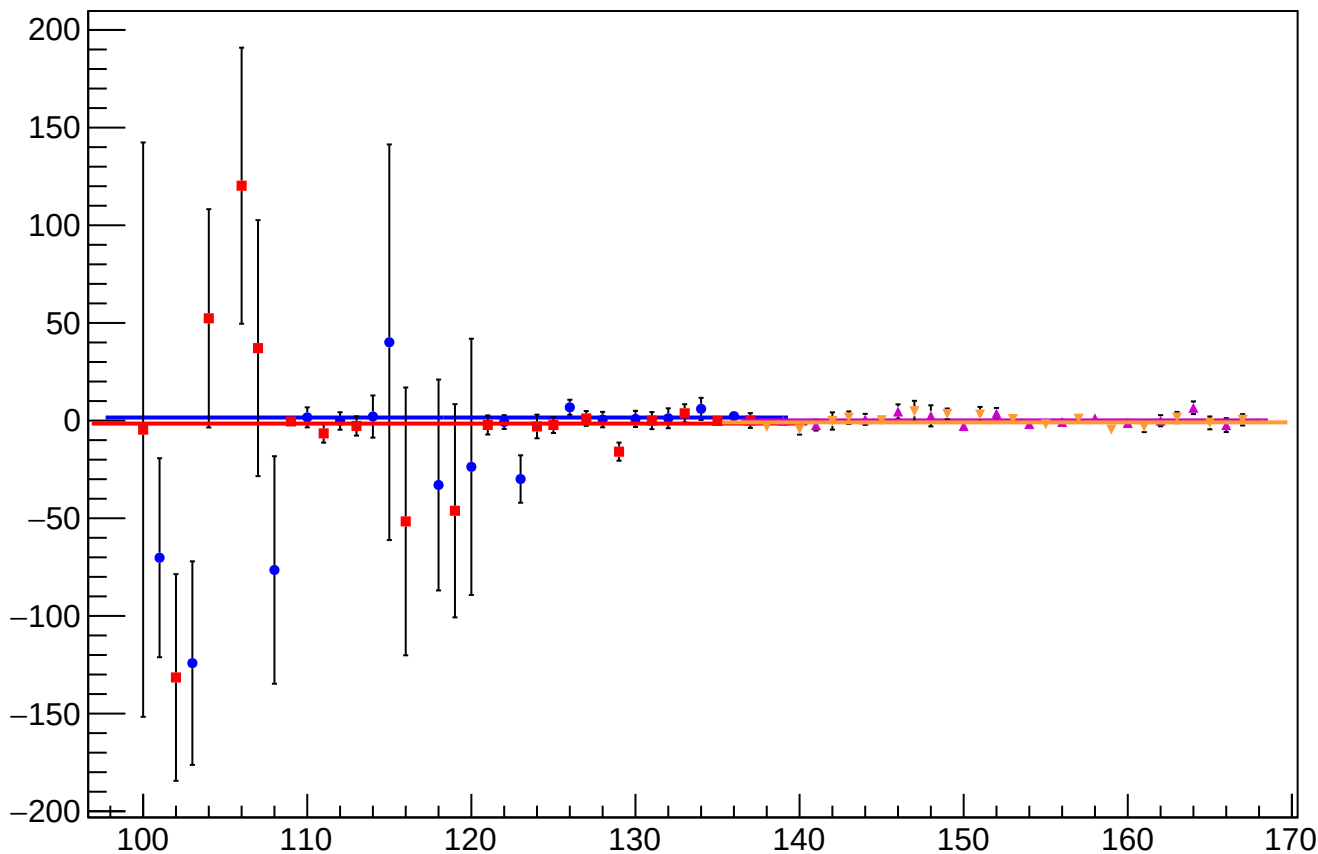
Left In: 1657.293 $\pm$ 0.358 χ^2 /NDF: 176547.5/13

+ sign 1768.724 $\pm$ 0.317 χ^2 /NDF: 5919152.6/32

All: 1781.538 $\pm$ 0.229 χ^2 /NDF: 12012981.6/64

- sign 1795.521 $\pm$ 0.332 χ^2 /NDF: 6090420.3/32

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

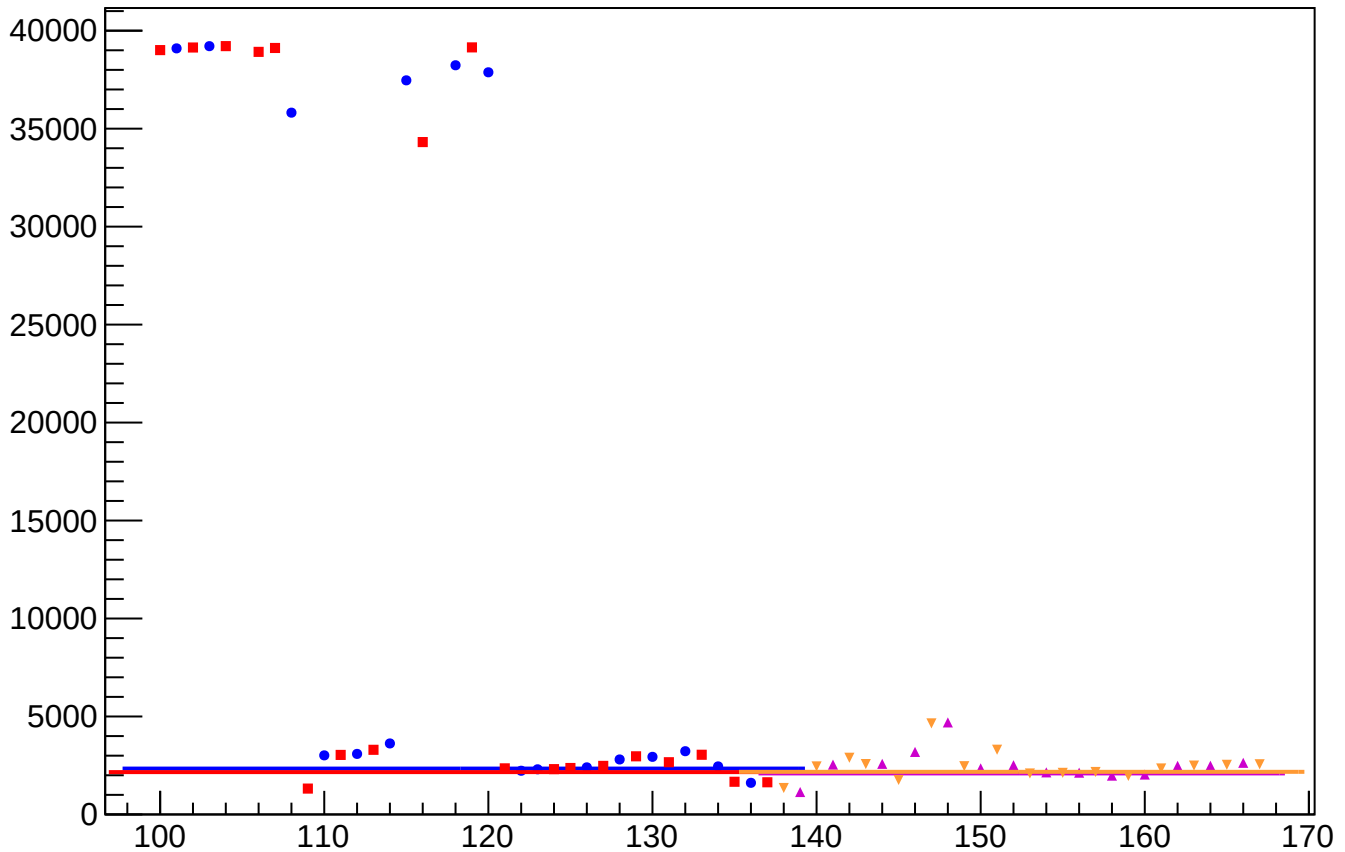
Left In: 0.114 ± 0.673 χ^2/NDF : 11.1/13

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

All: -0.318 ± 0.403 χ^2/NDF : 76.4/65

- sign -0.355 ± 0.568 χ^2/NDF : 37.8/32

diff_bpm1p03aY_rms vs Slug



Right In: 2341.130 ± 0.808 $\chi^2/\text{NDF}: 5006864.7/16$

Left Out: 2175.514 ± 0.468 $\chi^2/\text{NDF}: 1377708.8/15$

Right Out: 2161.162 ± 0.751 $\chi^2/\text{NDF}: 5299050.1/18$

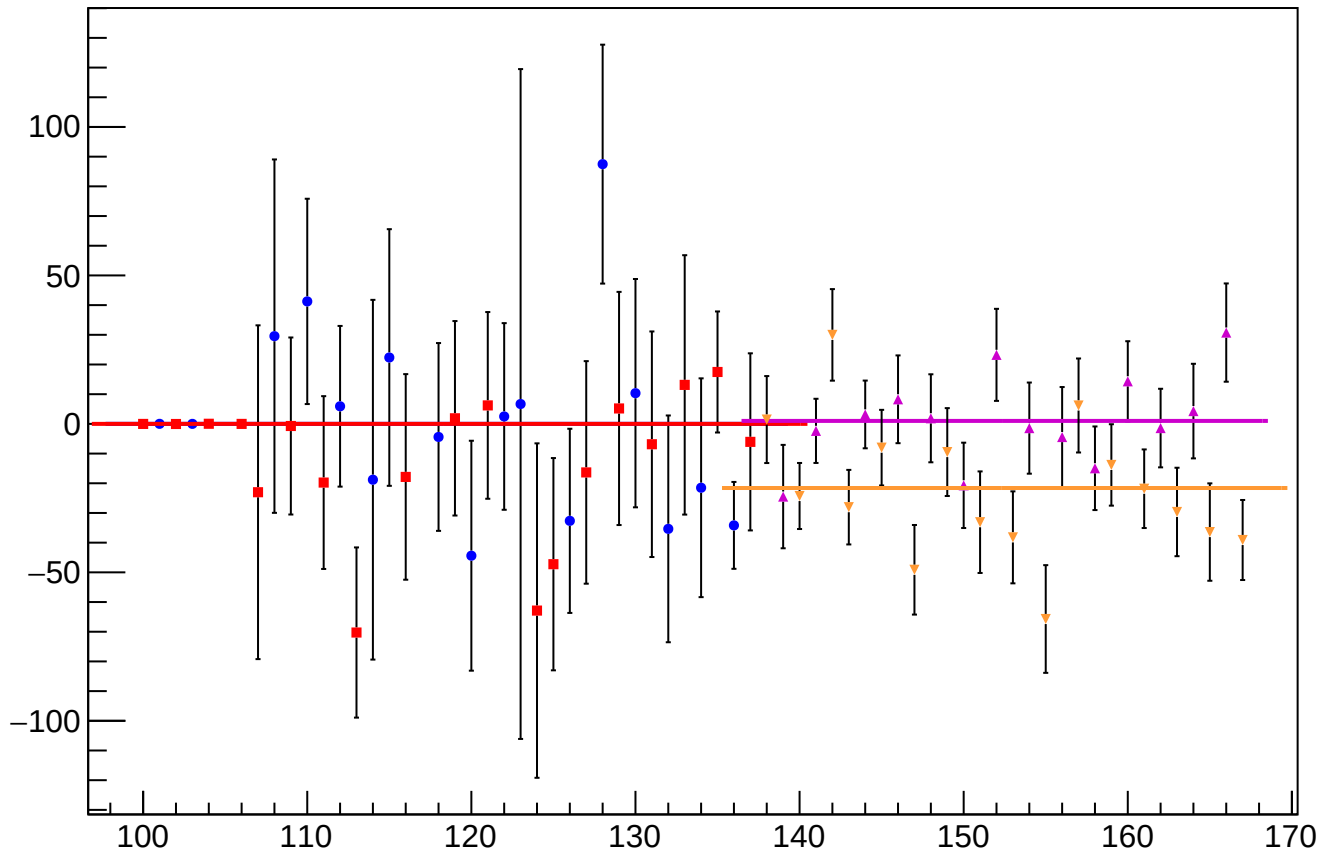
Left In: 2094.445 ± 0.476 $\chi^2/\text{NDF}: 1876422.0/13$

+ sign 2217.139 ± 0.405 $\chi^2/\text{NDF}: 6416012.1/32$

All: 2164.908 ± 0.285 $\chi^2/\text{NDF}: 13630077.6/64$

- sign 2113.541 ± 0.402 $\chi^2/\text{NDF}: 7181104.5/32$

diff_cav4bX_mean vs Slug



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

Left Out: -21.596 ± 3.585 $\chi^2/\text{NDF}: 32.9/15$

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

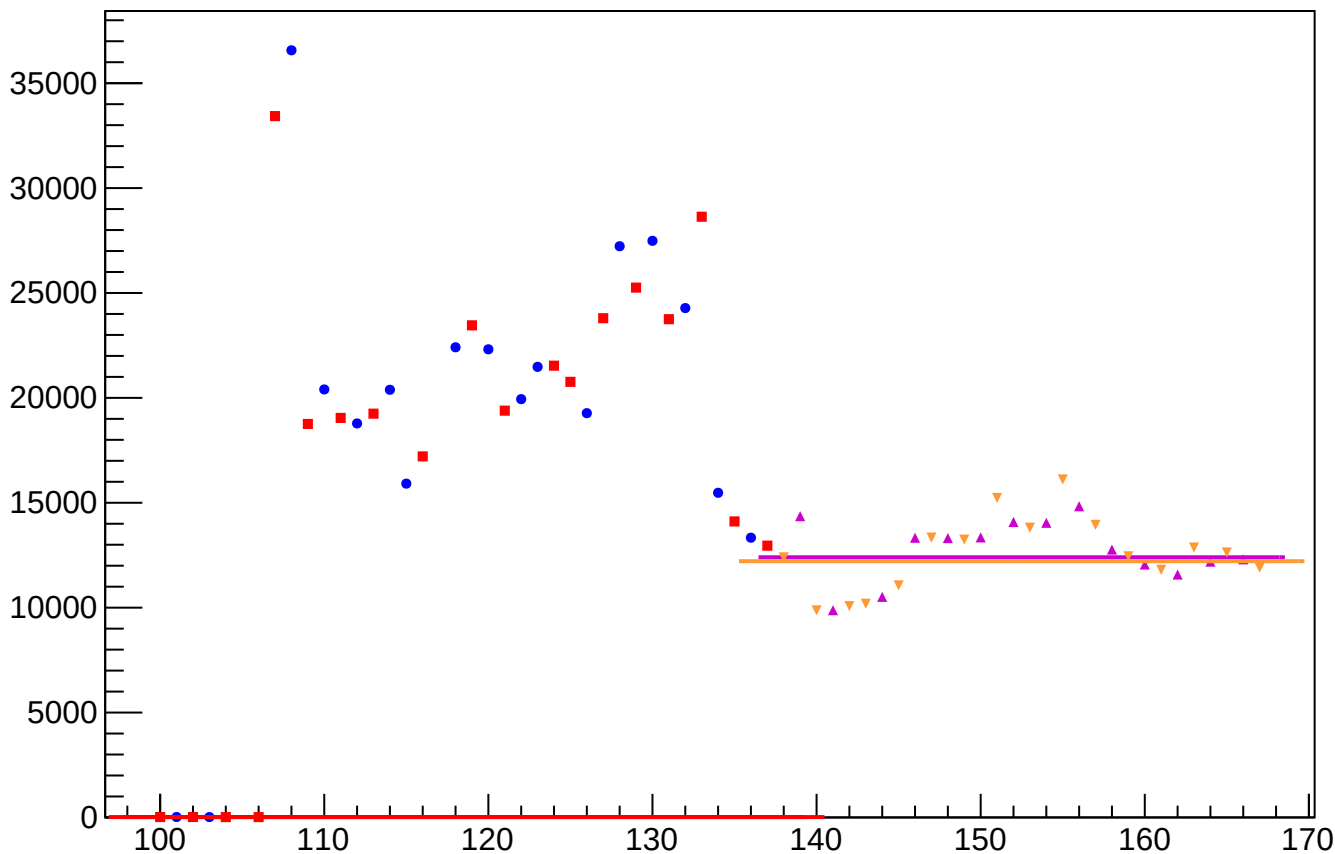
Left In: 1.001 ± 3.799 $\chi^2/\text{NDF}: 12.6/13$

+ sign 0.013 ± 0.017 $\chi^2/\text{NDF}: 85.3/32$

All: 0.008 ± 0.012 $\chi^2/\text{NDF}: 114.0/65$

- sign 0.003 ± 0.016 $\chi^2/\text{NDF}: 28.5/32$

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

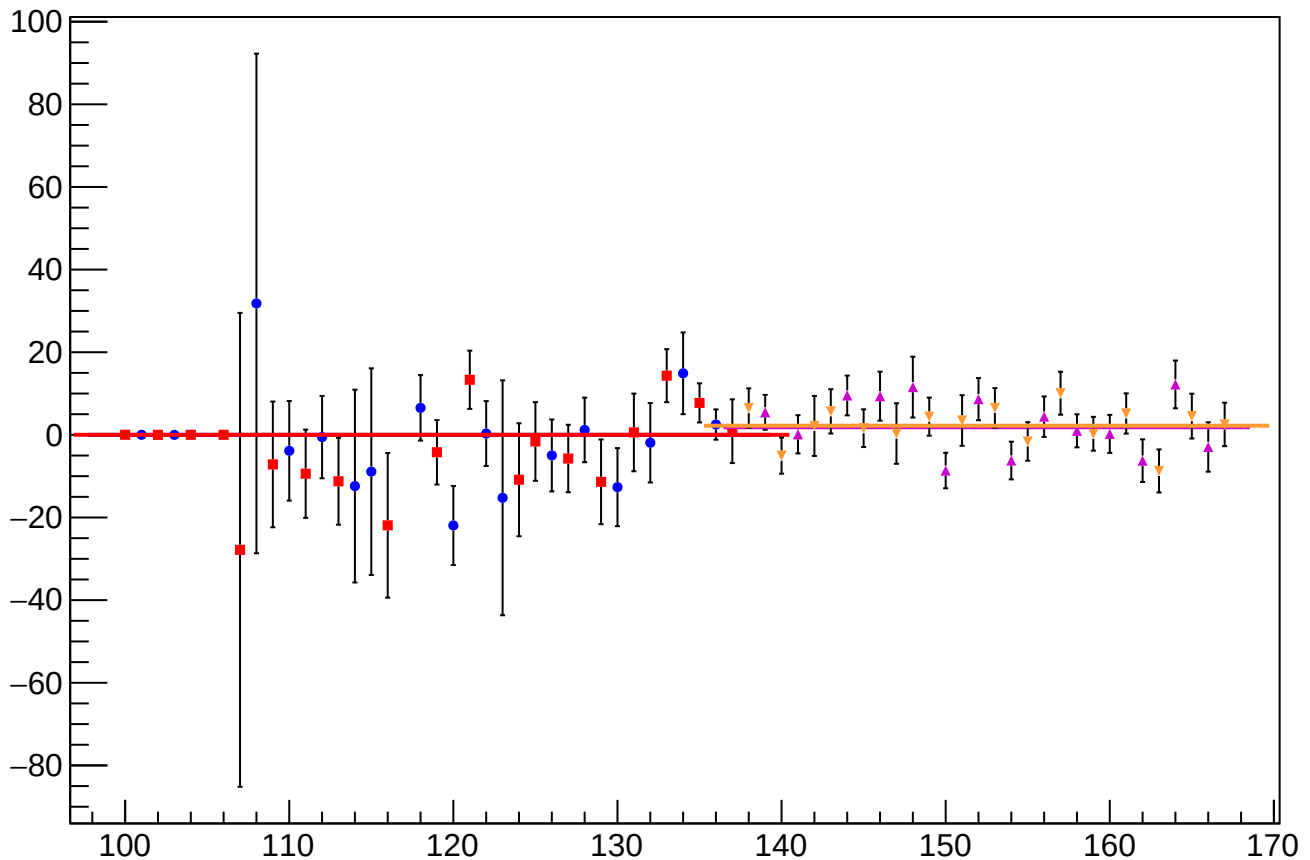
Left In: 12402.238 $\pm$ 2.686 χ^2 /NDF: 312351.1/13

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

All: 18.715 $\pm$ 0.008 χ^2 /NDF: 67229057.4/65

- sign 18.533 $\pm$ 0.011 χ^2 /NDF: 32674699.4/32

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

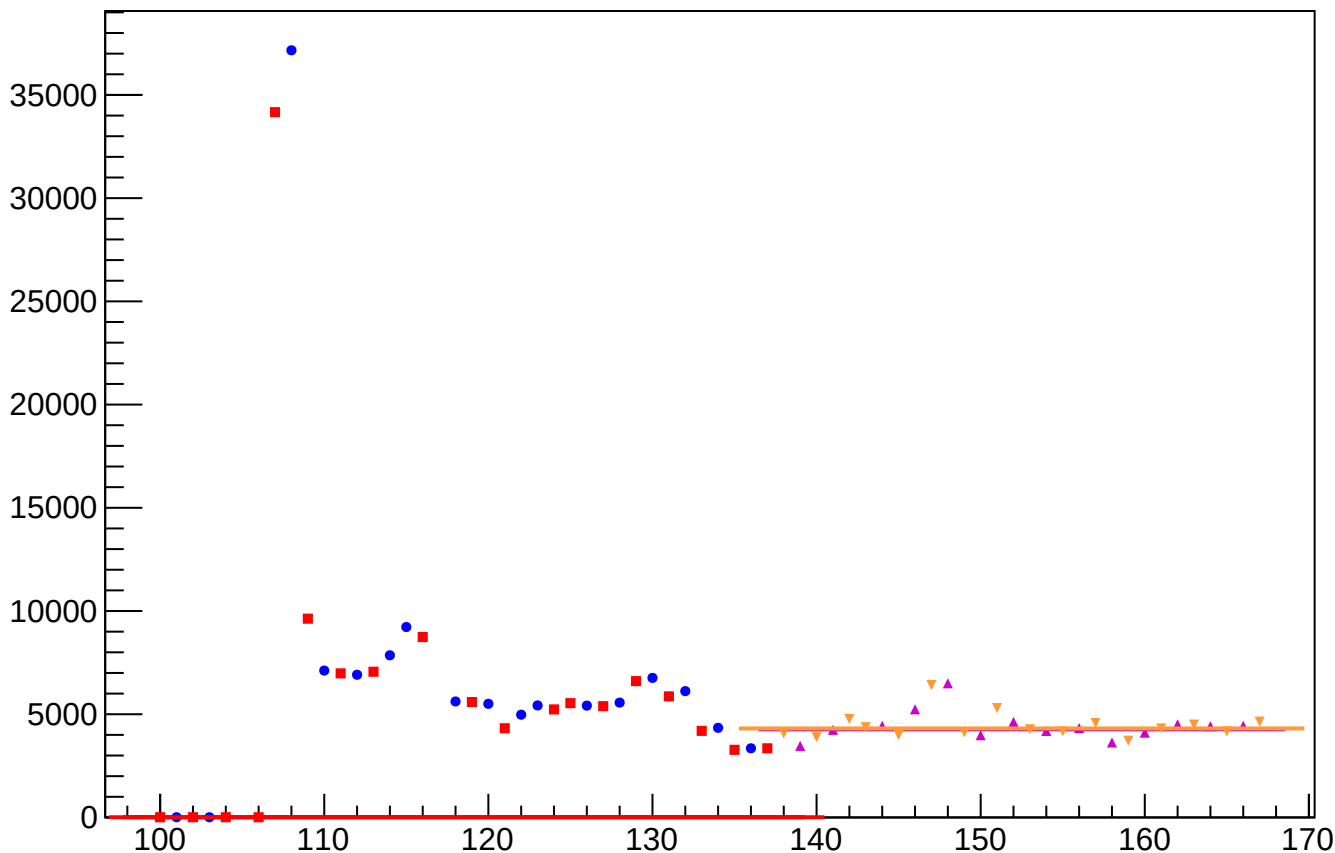
Left In: 1.851 $\pm$ 1.313 χ^2 /NDF:24.4/13

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

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 75.4/65

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 44.9/32

diff_cav4bY_rms vs Slug



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

Left Out: 4310.627 ± 0.894 χ^2/NDF : 322241.9/15

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

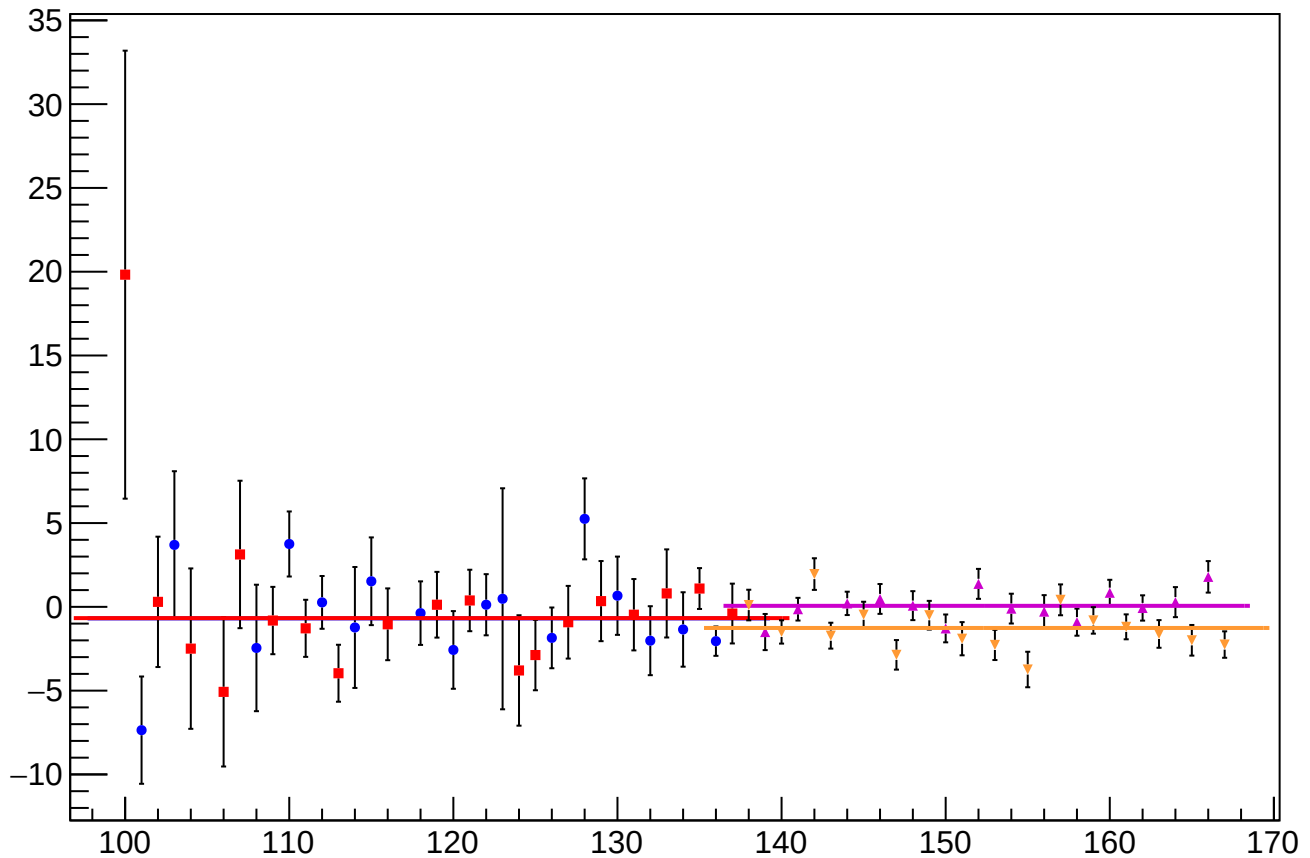
Left In: 4266.496 ± 0.928 χ^2/NDF : 391683.1/13

+ sign 10.167 ± 0.007 χ^2/NDF : 34590313.5/32

All: 10.099 ± 0.004 χ^2/NDF : 67175970.9/65

- sign 10.039 ± 0.006 χ^2/NDF : 32585452.9/32

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

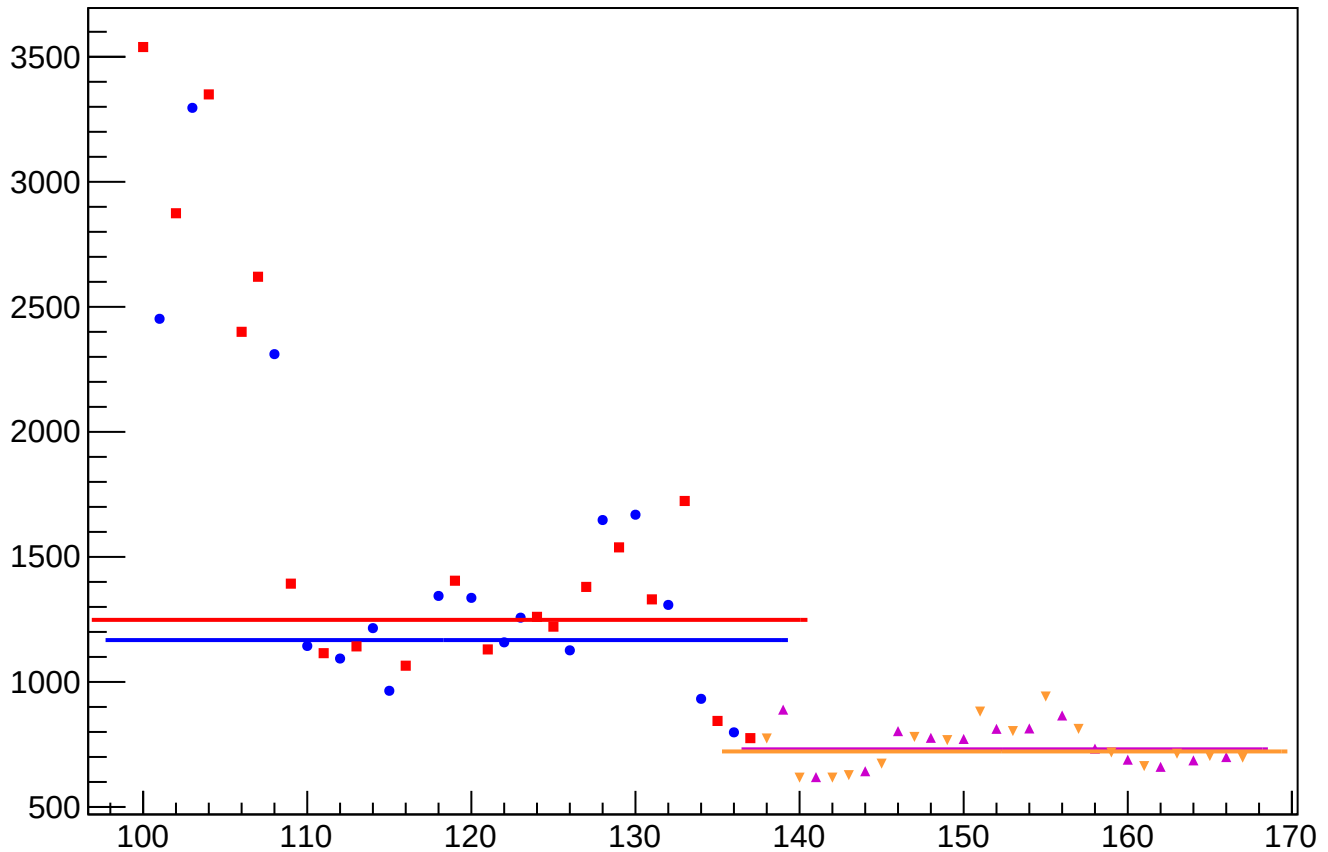
Left In: 0.061 ± 0.223 χ^2/NDF : 13.3/13

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

All: -0.643 ± 0.140 χ^2/NDF : 100.3/65

- sign -0.061 ± 0.204 χ^2/NDF : 28.4/32

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

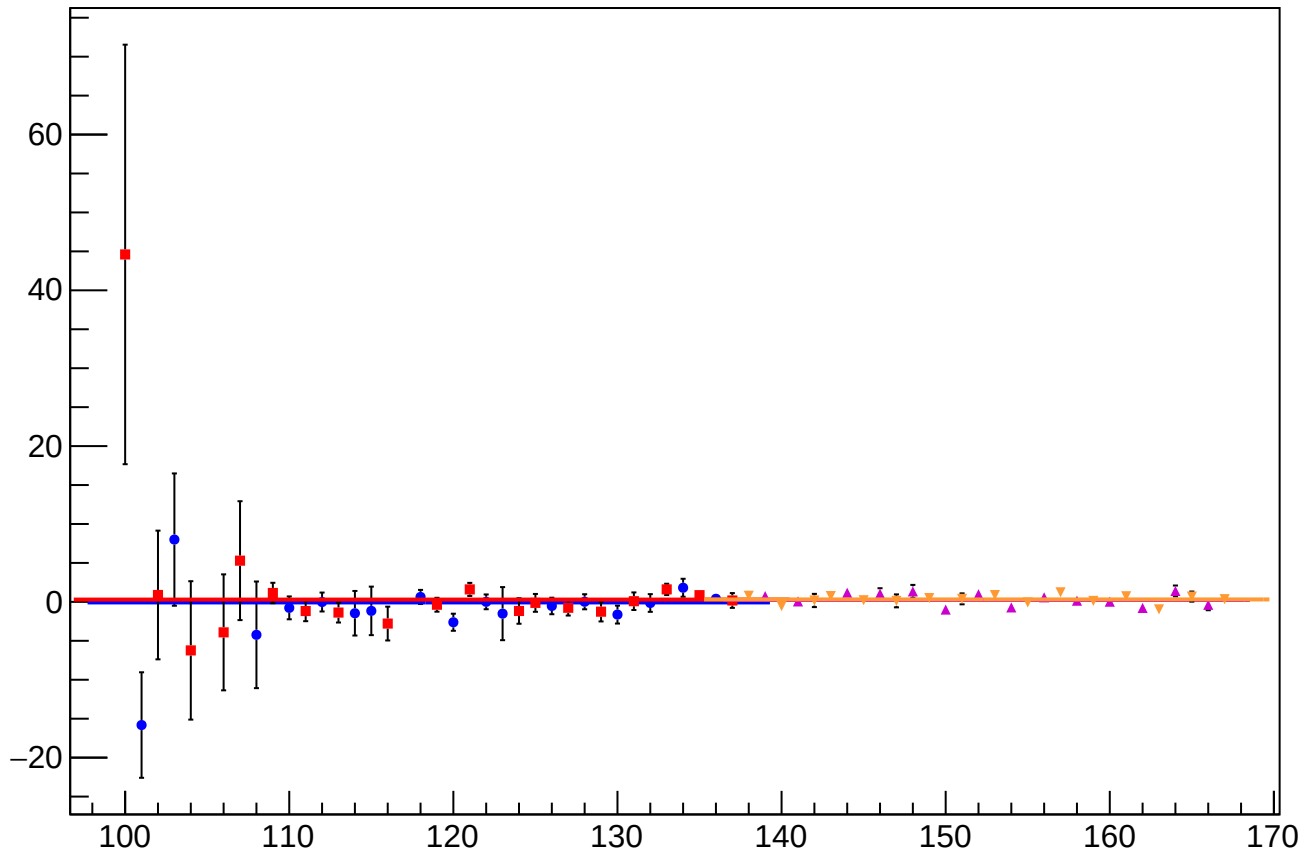
Left In: 730.486 $\pm$ 0.158 χ^2 /NDF: 255180.9/13

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

All: 804.529 $\pm$ 0.099 χ^2 /NDF: 7032483.3/65

- sign 816.440 $\pm$ 0.144 χ^2 /NDF: 3692907.3/32

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

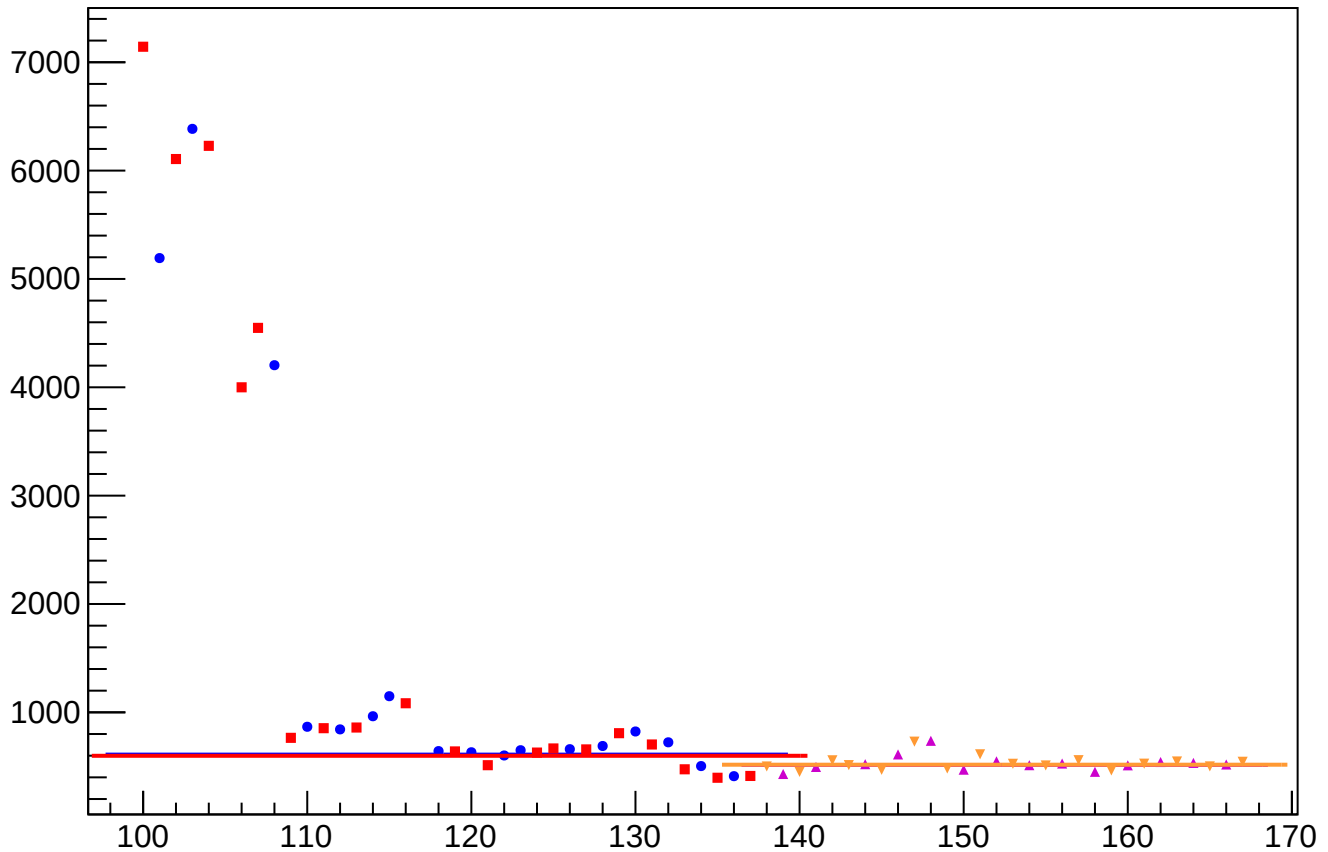
Left In: 0.241 ± 0.158 χ^2/NDF : 24.0/13

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

All: 0.237 ± 0.094 χ^2/NDF : 77.7/65

- sign 0.255 ± 0.135 χ^2/NDF : 44.2/32

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

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

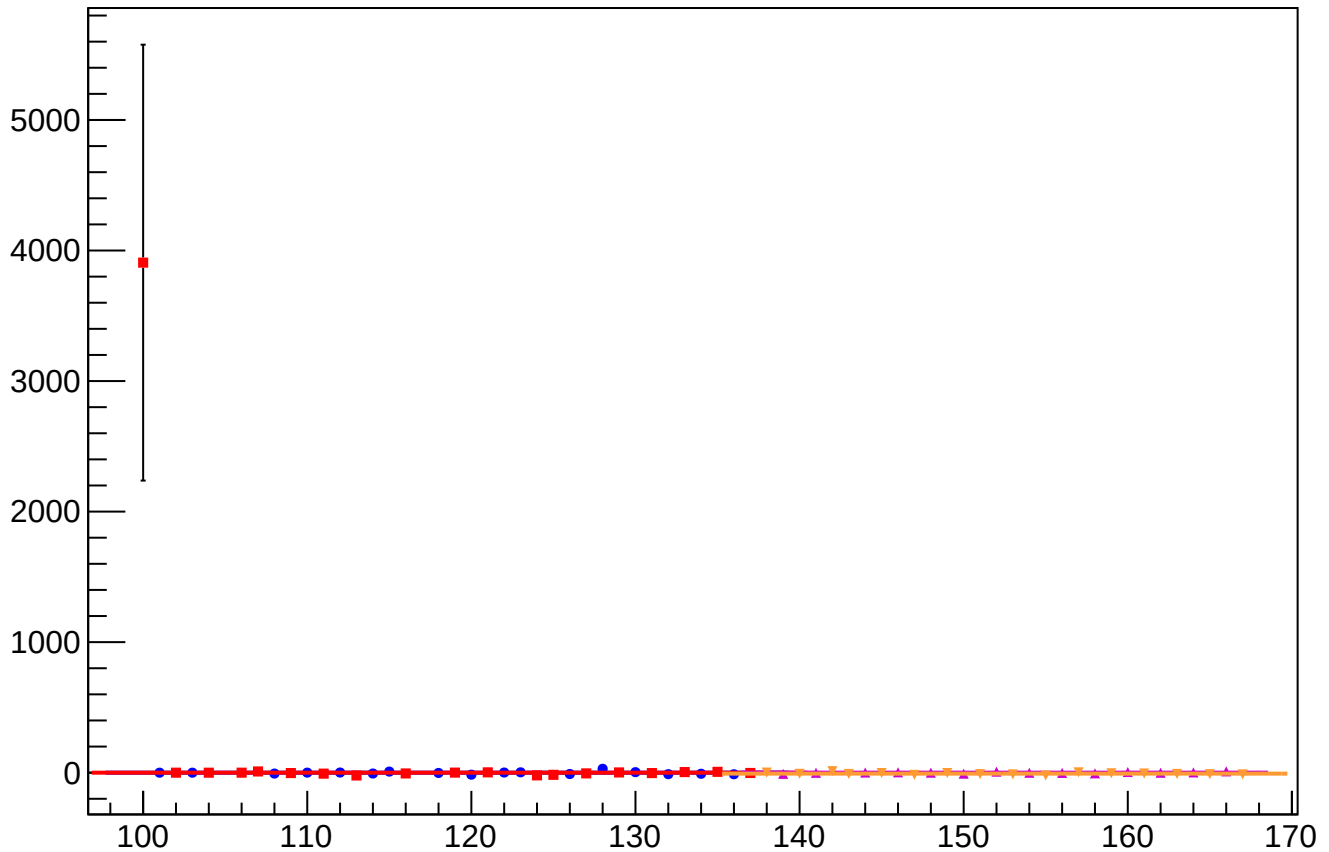
Right Out: 599.018 $\pm$ 0.187 χ^2 /NDF: 3552387.3/18

All: 537.790 $\pm$ 0.067 χ^2 /NDF: 7592624.0/65

Left In: 514.126 $\pm$ 0.112 χ^2 /NDF: 295604.7/13

- sign 536.471 $\pm$ 0.096 χ^2 /NDF: 4000462.3/32

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

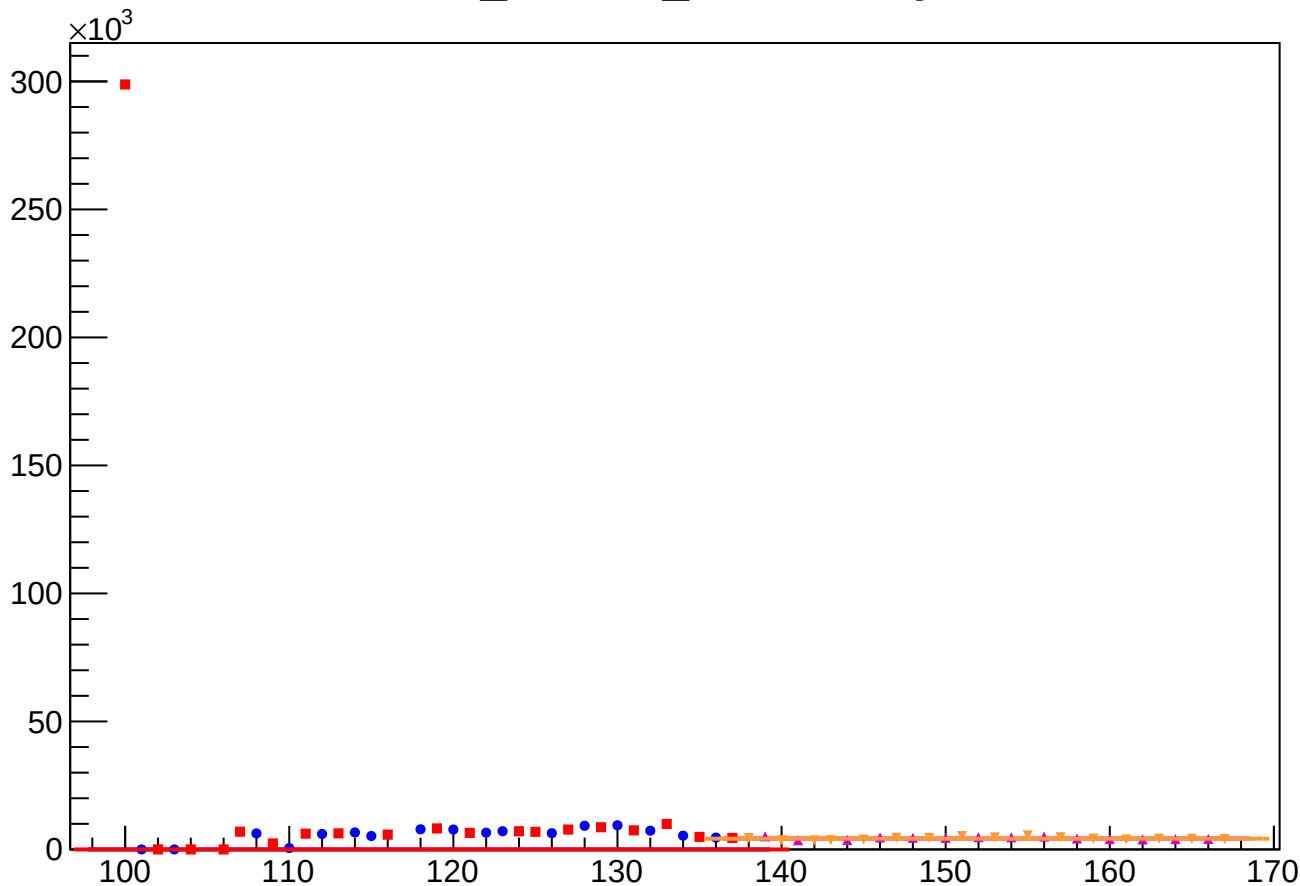
Left In: 0.380 ± 1.305 χ^2/NDF : 13.0/13

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

All: -0.025 ± 0.014 χ^2/NDF : 114.2/65

- sign -0.027 ± 0.020 χ^2/NDF : 31.0/32

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

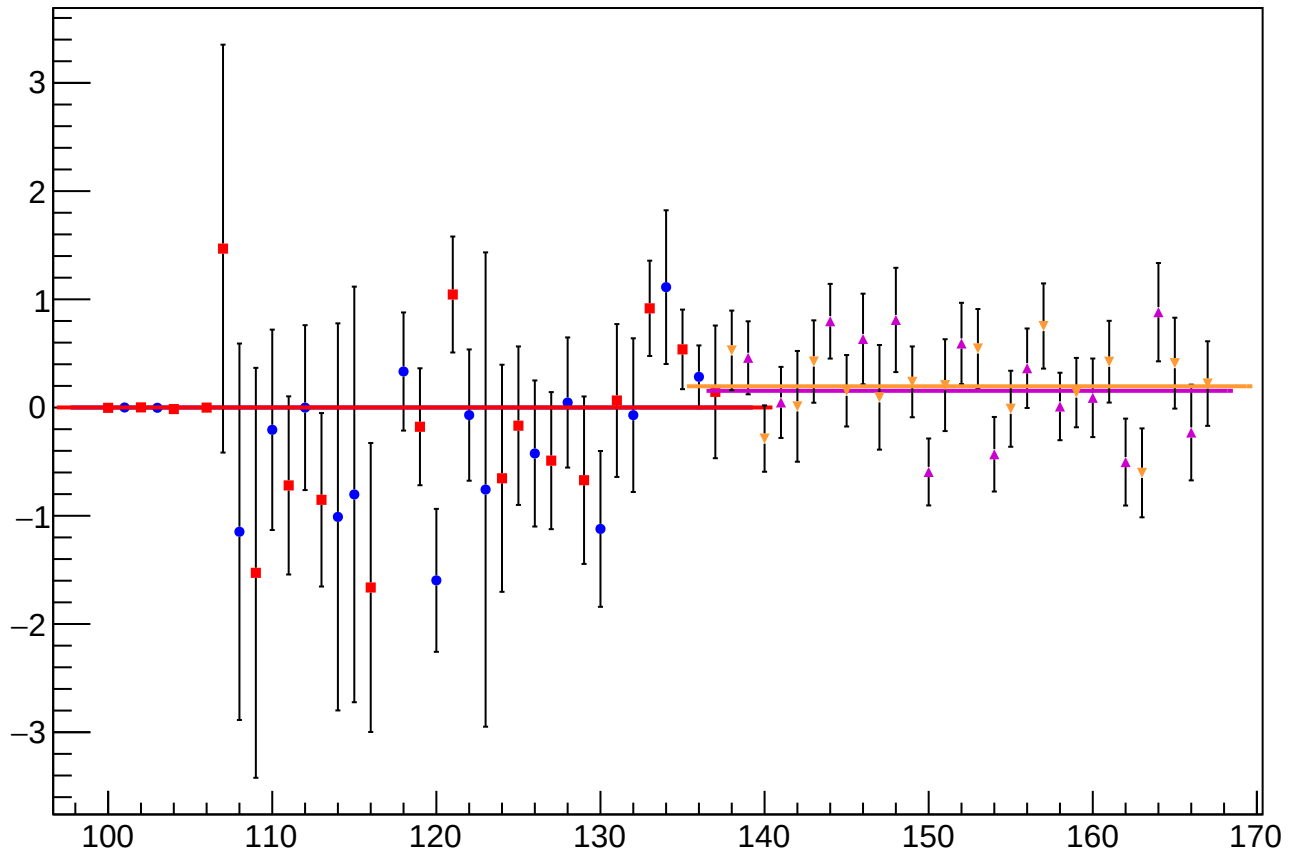
Left In: 4267.195 $\pm$ 0.923 χ^2 /NDF: 258626.9/13

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

All: 18.382 $\pm$ 0.010 χ^2 /NDF: 66245449.3/65

- sign 18.244 $\pm$ 0.014 χ^2 /NDF: 32284901.9/32

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

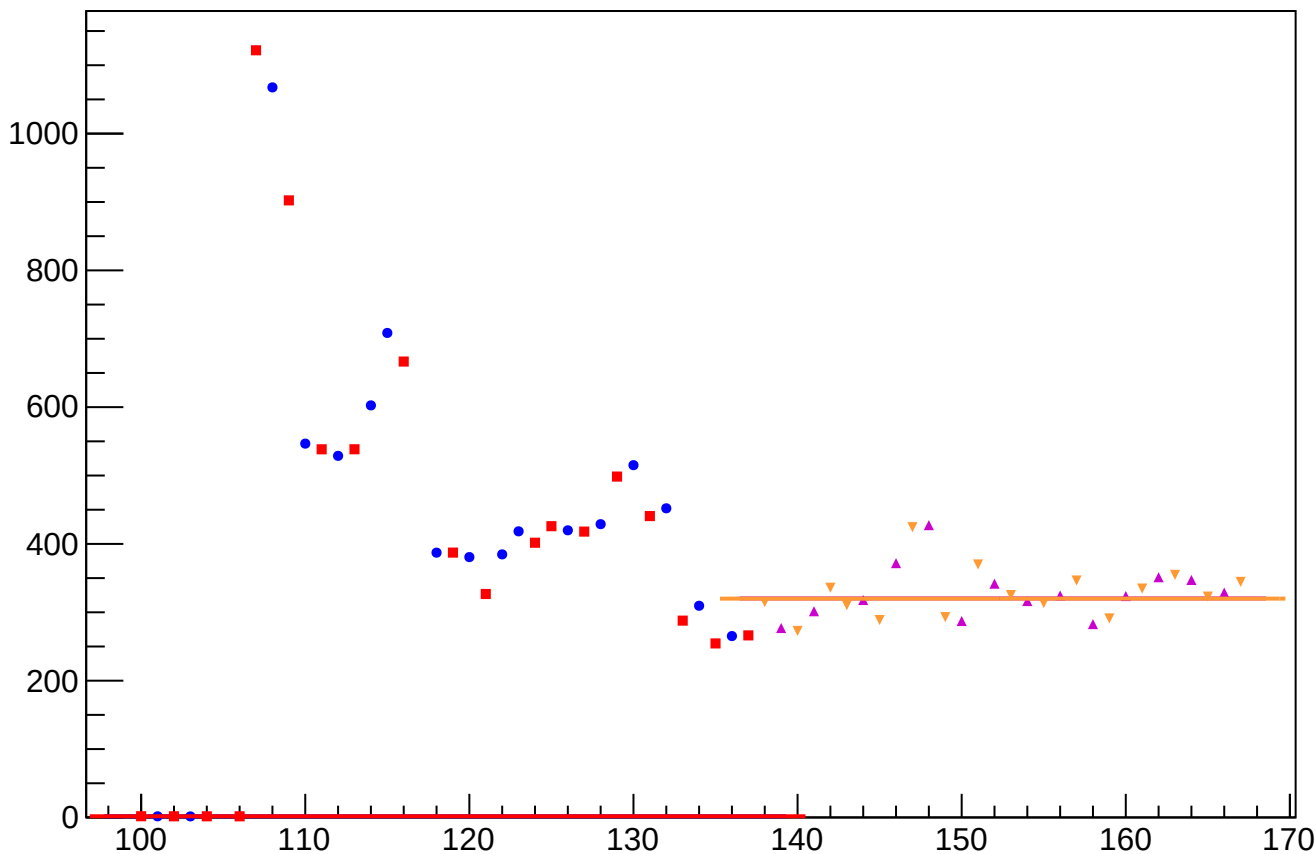
Left In: 0.155 ± 0.098 χ^2/NDF : 24.3/13

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

All: 0.001 ± 0.001 χ^2/NDF : 74.4/65

- sign 0.001 ± 0.002 χ^2/NDF : 44.6/32

diff_cav4dY_rms vs Slug



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

Left Out: 320.006+/-0.066 χ^2/NDF : 255632.6/15

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

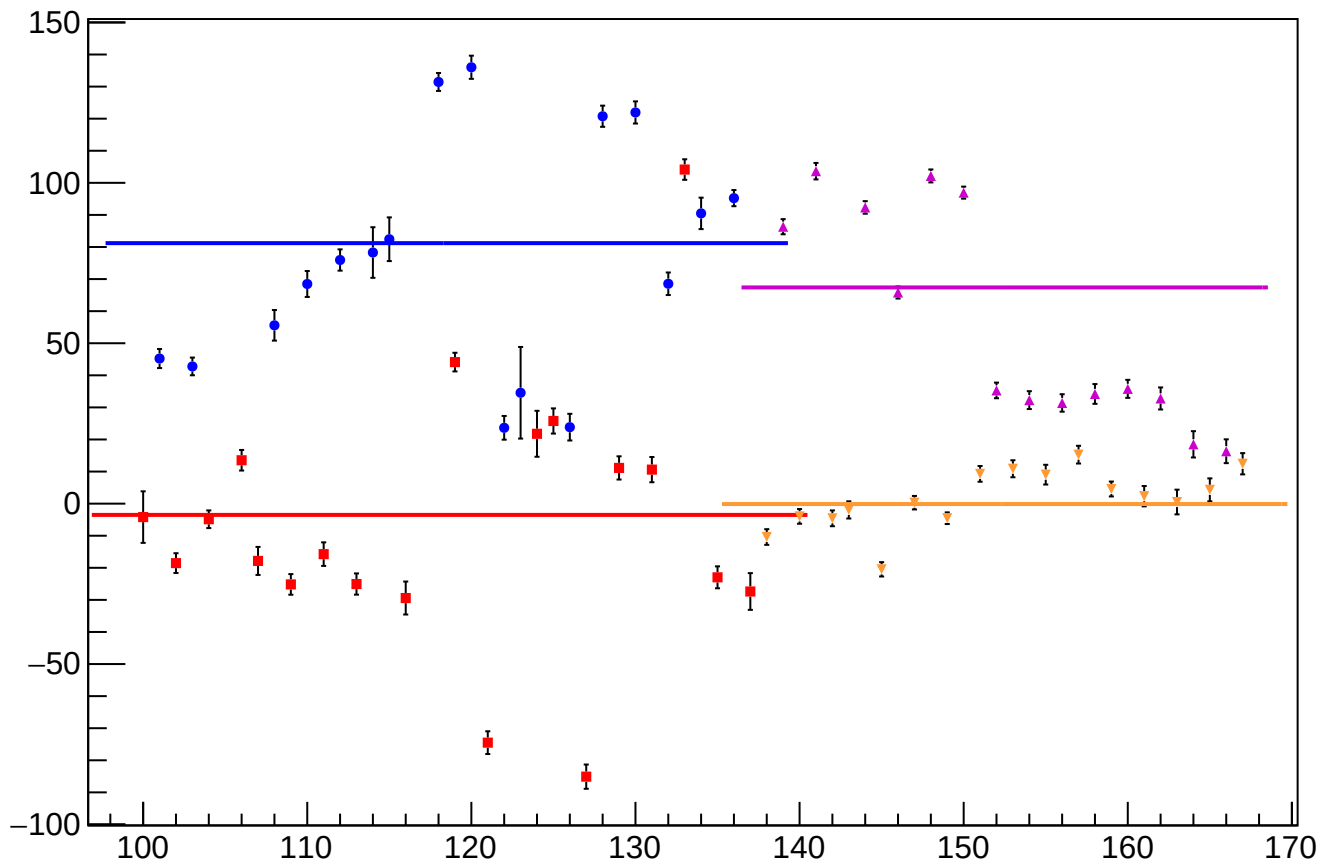
Left In: 320.260+/-0.069 χ^2/NDF : 247621.7/13

+ sign 1.848+/-0.001 χ^2/NDF : 34409766.0/32

All: 1.850+/-0.001 χ^2/NDF : 66472773.9/65

- sign 1.853+/-0.001 χ^2/NDF : 32063002.1/32

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

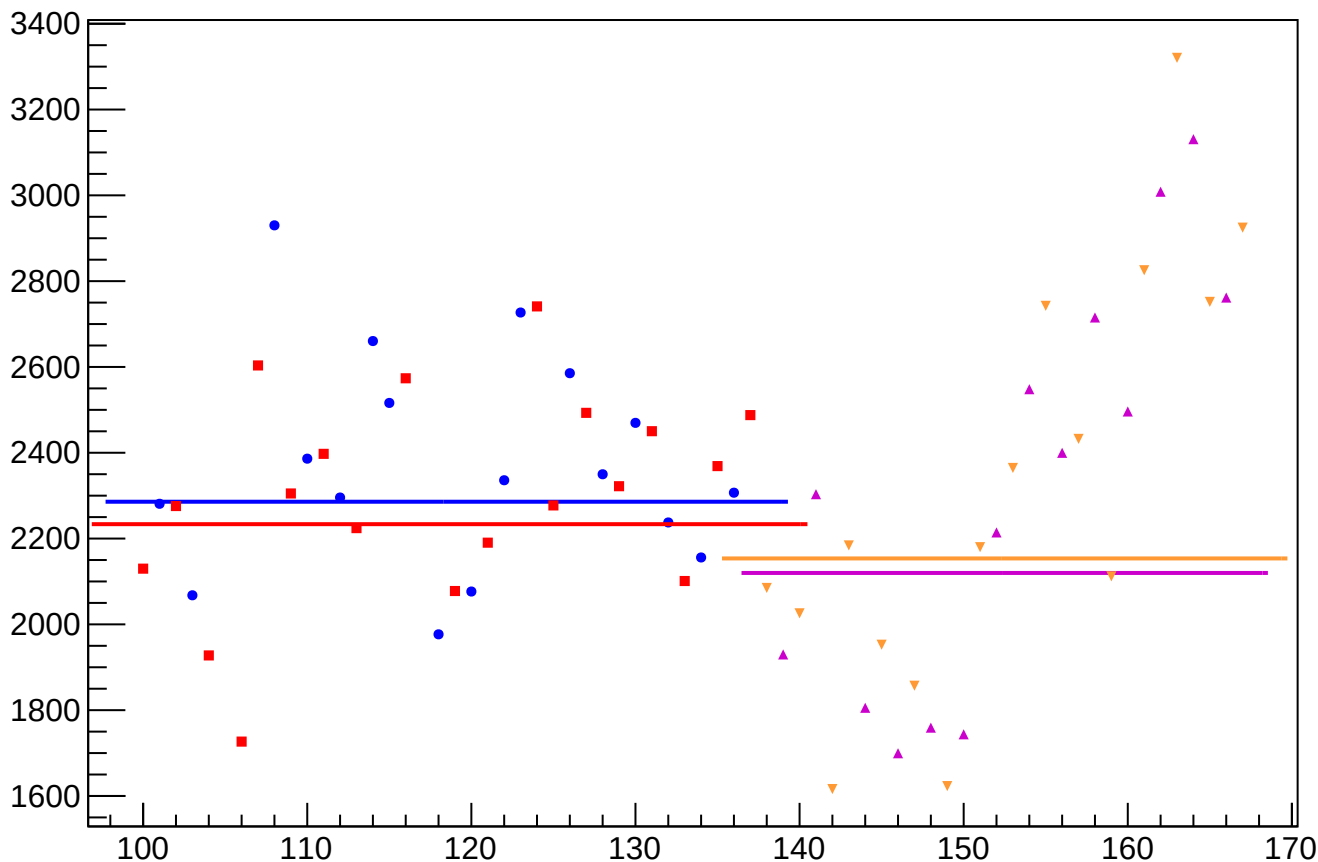
Left In: 67.394 $\pm$ 0.662 χ^2/NDF : 2153.1/13

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

All: 33.960 $\pm$ 0.367 χ^2/NDF : 16896.7/65

- sign 40.336 $\pm$ 0.520 χ^2/NDF : 9131.6/32

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

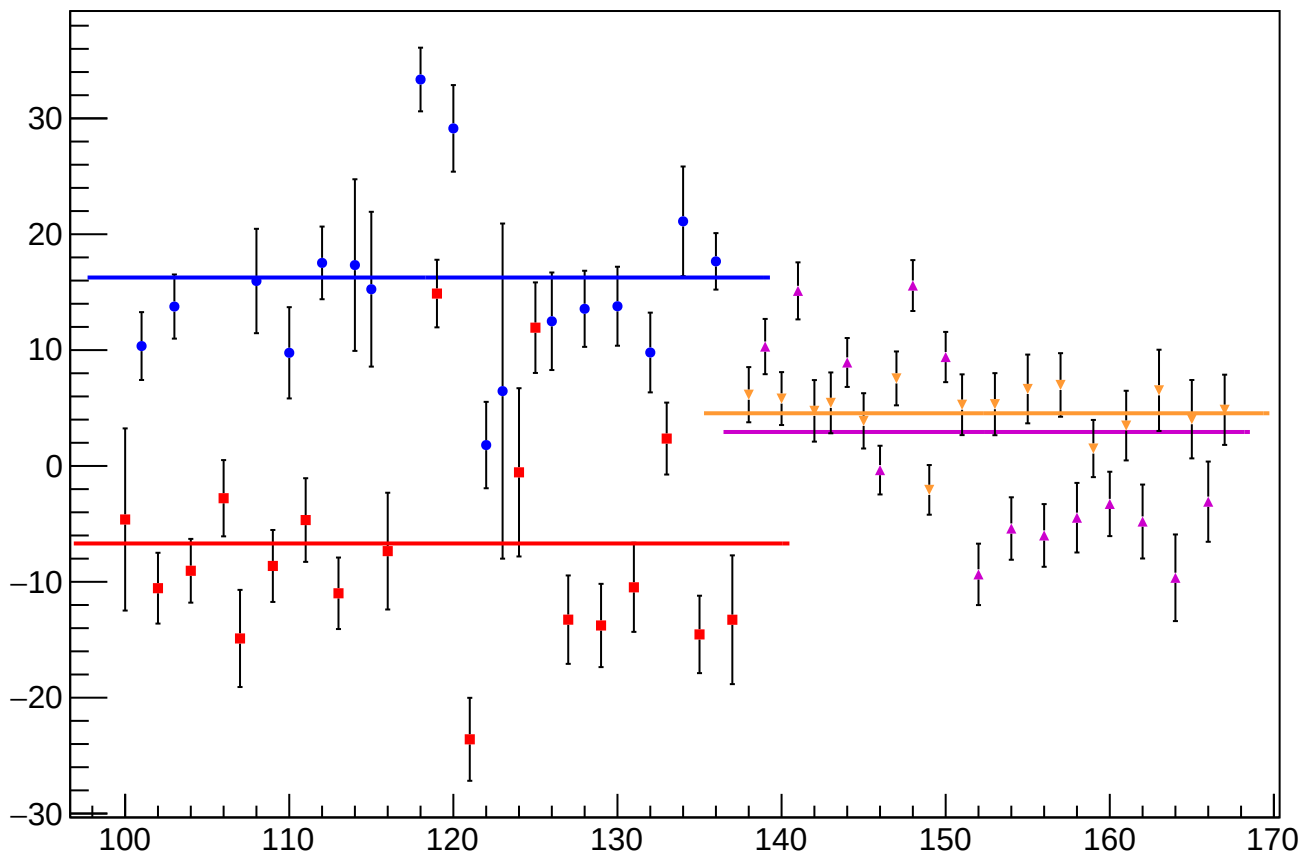
Left In: 2119.830+/-0.468 χ^2/NDF : 815316.3/13

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

All: 2181.120+/-0.260 χ^2/NDF : 2002564.7/65

- sign 2163.227+/-0.368 χ^2/NDF : 984695.7/32

diff_bpm0i01Y_mean vs Slug



Right In: 16.265 ± 0.872 χ^2/NDF : 80.8/16

Left Out: 4.548 ± 0.657 χ^2/NDF : 15.6/15

Right Out: -6.690 ± 0.831 χ^2/NDF : 134.0/18

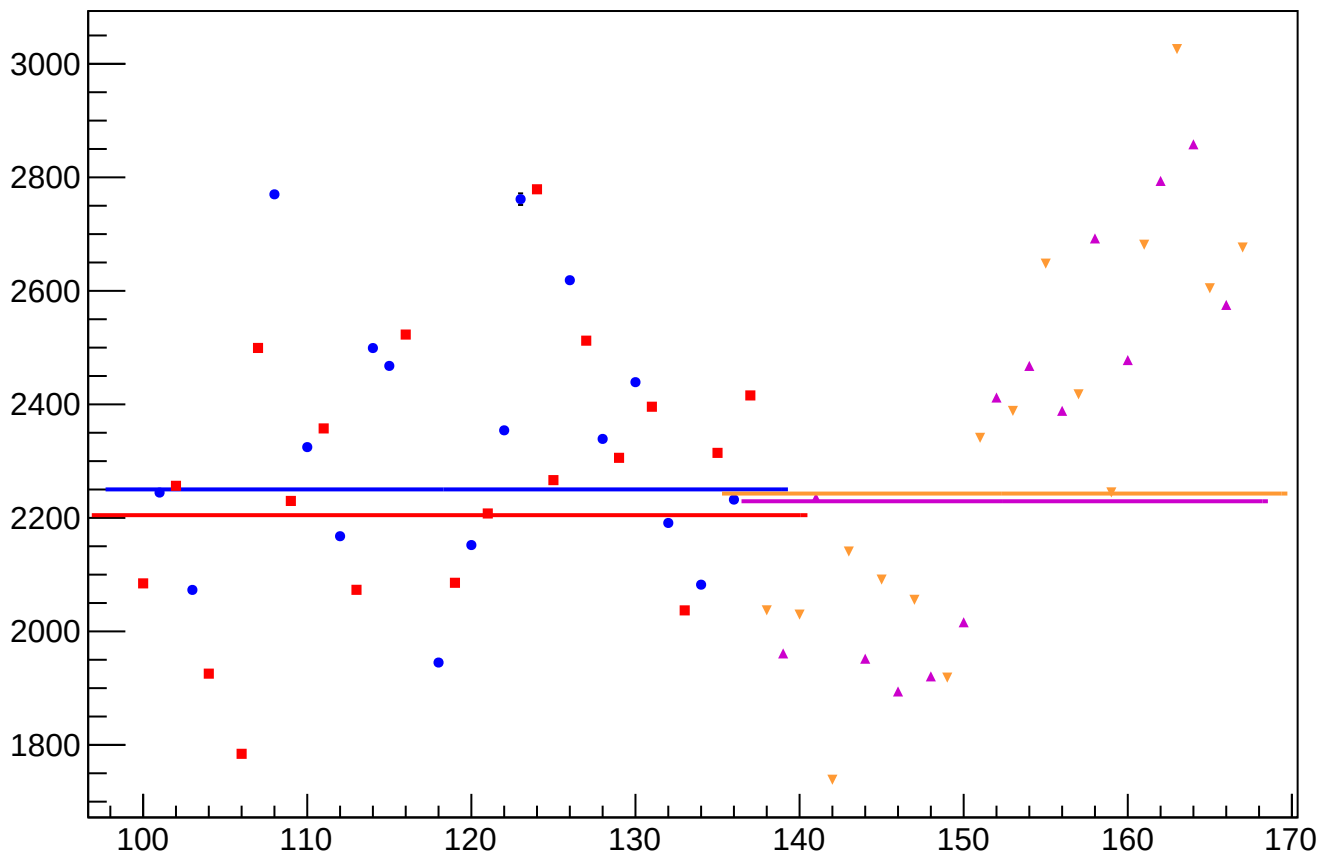
Left In: 2.933 ± 0.687 χ^2/NDF : 159.8/13

+ sign 8.794 ± 0.525 χ^2/NDF : 211.7/32

All: 3.953 ± 0.373 χ^2/NDF : 756.9/65

- sign -0.972 ± 0.529 χ^2/NDF : 373.5/32

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

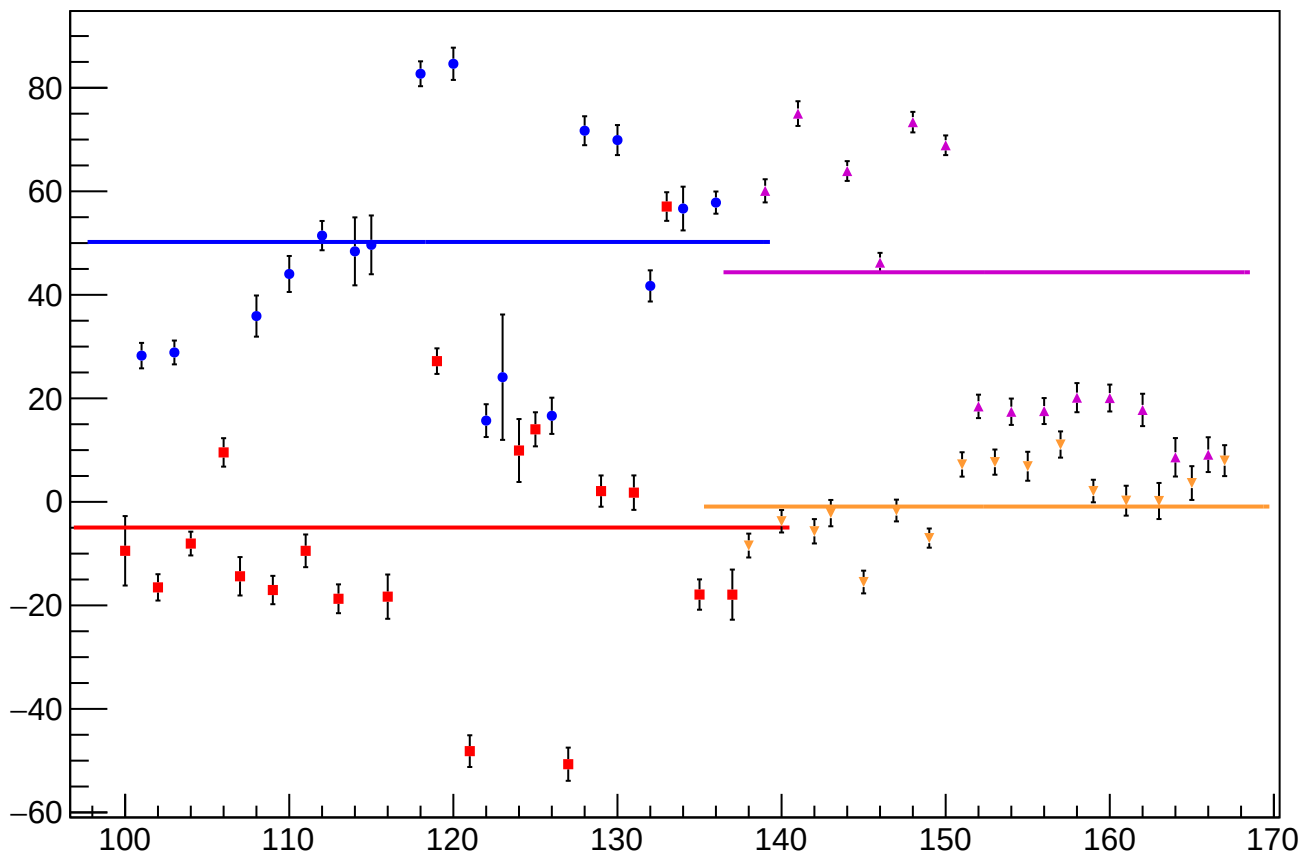
Left In: 2229.293 ± 0.485 χ^2/NDF : 404304.1/13

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

All: 2232.542 ± 0.263 χ^2/NDF : 1066288.0/65

- sign 2219.349 ± 0.374 χ^2/NDF : 531565.5/32

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

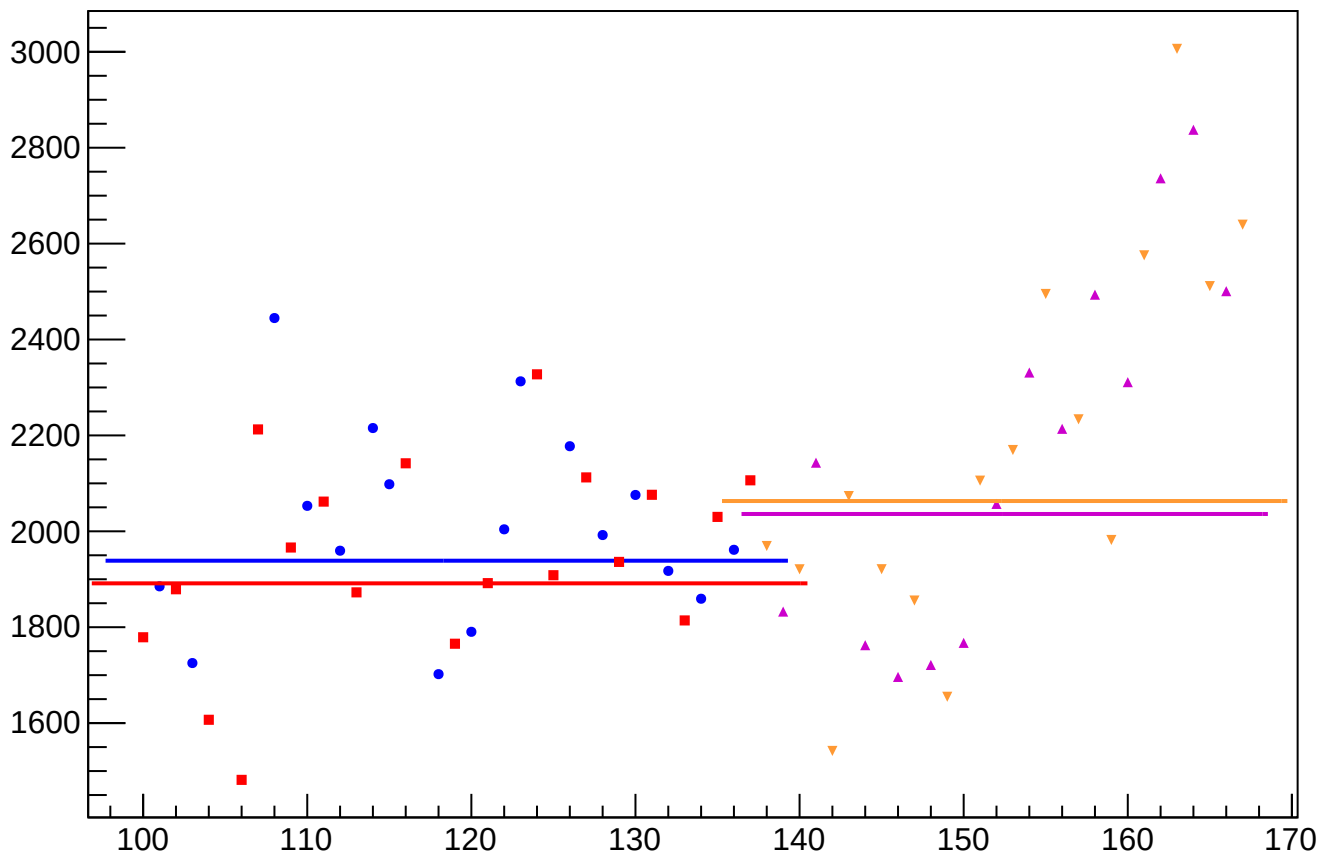
Left In: 44.360 $\pm$ 0.631 χ^2 /NDF:1494.1/13

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

All: 21.000 $\pm$ 0.334 χ^2 /NDF: 9234.5/65

- sign 22.696 $\pm$ 0.473 χ^2 /NDF: 5436.4/32

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

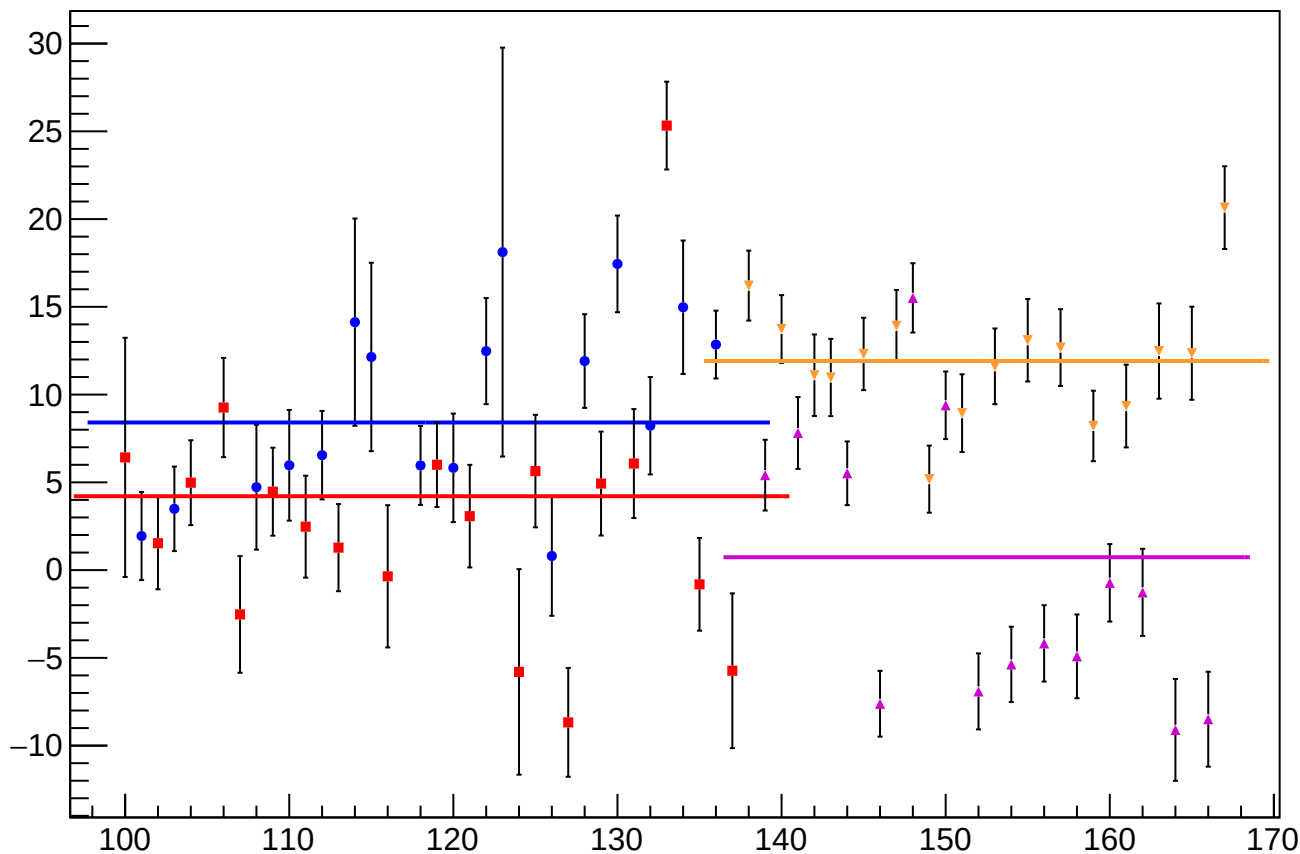
Left In: 2036.130 $\pm$ 0.447 χ^2 /NDF: 561003.2/13

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

All: 1993.287 $\pm$ 0.236 χ^2 /NDF: 1515198.8/65

- sign 1972.582 $\pm$ 0.334 χ^2 /NDF: 753738.6/32

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 $\chi^2/\text{NDF}: 113.1/18$

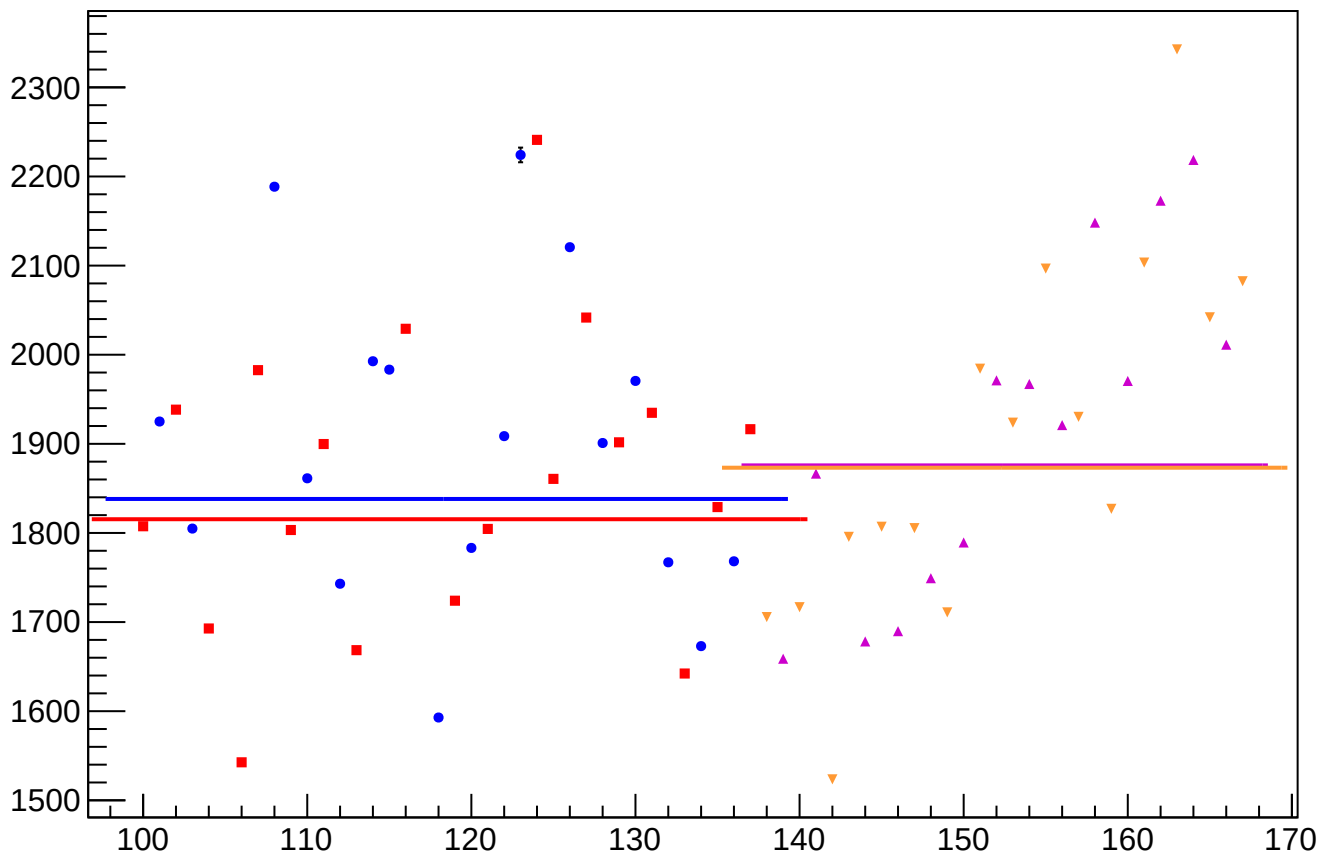
Left In: 0.734 ± 0.573 $\chi^2/\text{NDF}: 175.8/13$

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

All: 6.452 ± 0.308 $\chi^2/\text{NDF}: 591.2/65$

- sign 2.172 ± 0.439 $\chi^2/\text{NDF}: 304.1/32$

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

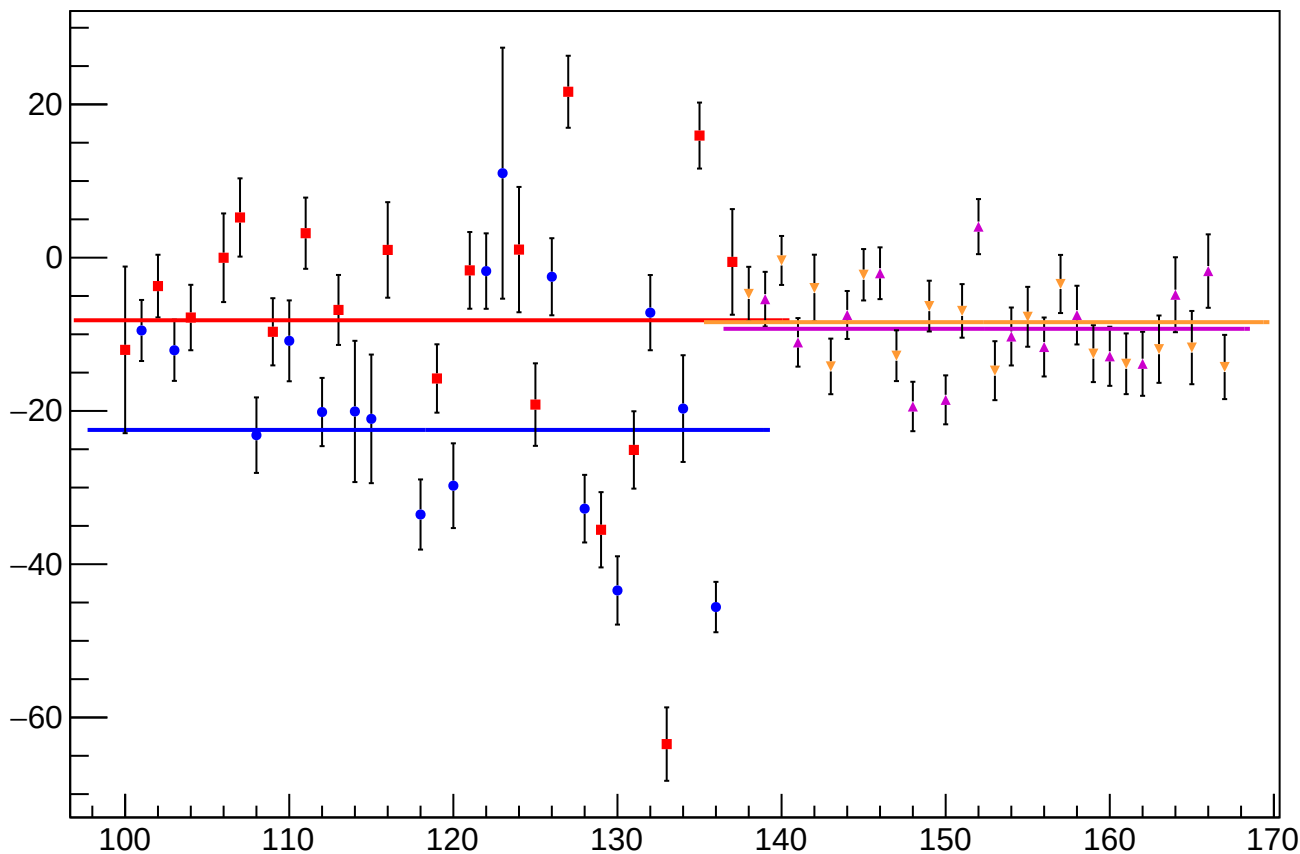
Left In: 1875.811 $\pm$ 0.406 χ^2 /NDF: 178626.2/13

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

All: 1855.573 $\pm$ 0.218 χ^2 /NDF: 584888.0/65

- sign 1850.806 $\pm$ 0.310 χ^2 /NDF: 275230.6/32

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

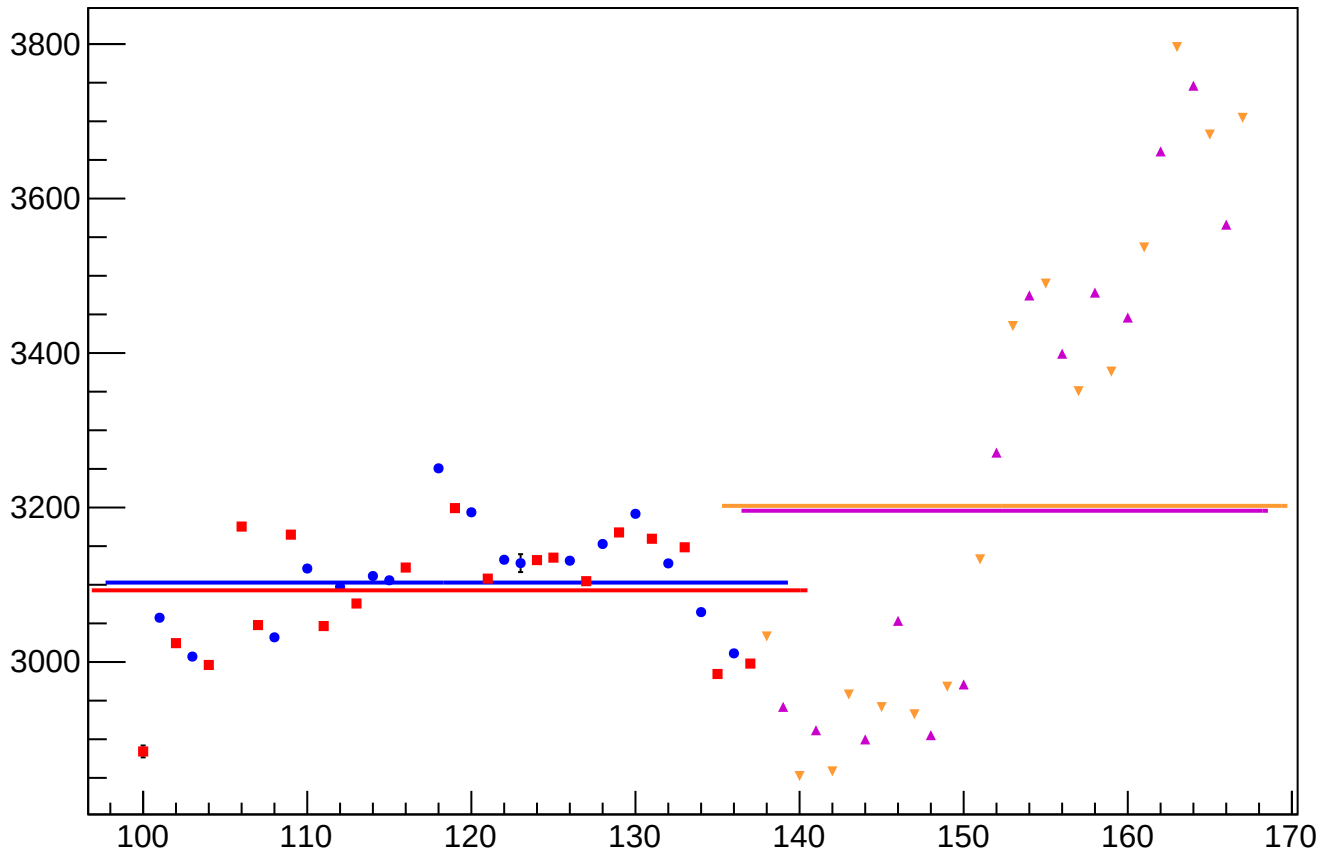
Left In: -9.284 ± 0.974 χ^2/NDF : 44.5/13

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

All: -11.312 ± 0.523 χ^2/NDF : 612.2/65

- sign -8.822 ± 0.745 χ^2/NDF : 322.0/32

diff_bpm0l01X_rms vs Slug



Right In: 3102.846 $\pm$ 0.845 χ^2 /NDF: 7344.9/16

Left Out: 3202.167 $\pm$ 0.659 χ^2 /NDF: 211599.7/15

Right Out: 3092.795 $\pm$ 0.818 χ^2 /NDF: 7763.4/18

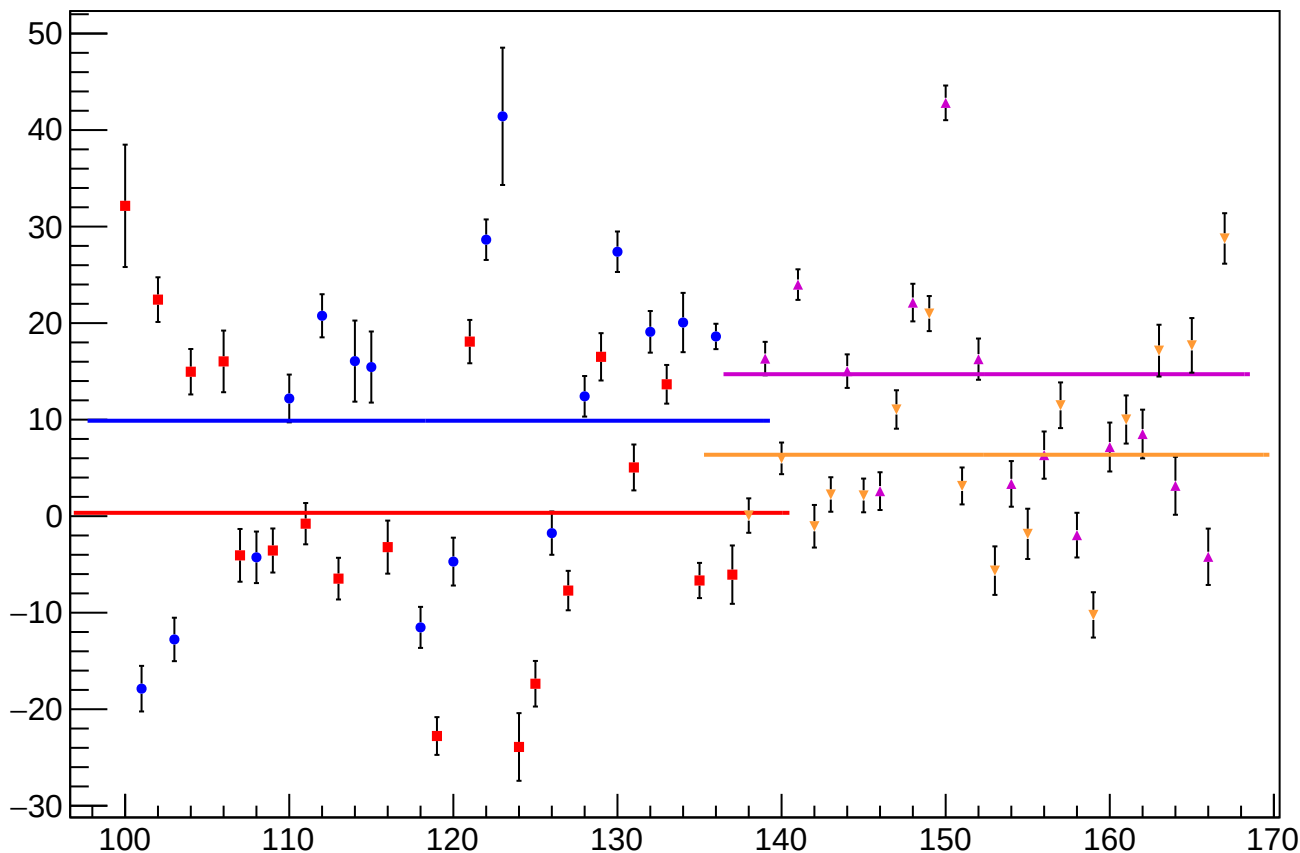
Left In: 3195.823 $\pm$ 0.688 χ^2 /NDF: 172485.7/13

+ sign 3164.587 $\pm$ 0.520 χ^2 /NDF: 227537.0/32

All: 3158.917 $\pm$ 0.370 χ^2 /NDF: 417316.7/65

- sign 3153.093 $\pm$ 0.527 χ^2 /NDF: 189538.3/32

diff_bpm0l01Y_mean vs Slug



Right In: 9.887 ± 0.559 χ^2/NDF : 703.6/16

Left Out: 6.363 ± 0.527 χ^2/NDF : 303.2/15

Right Out: 0.346 ± 0.547 χ^2/NDF : 628.9/18

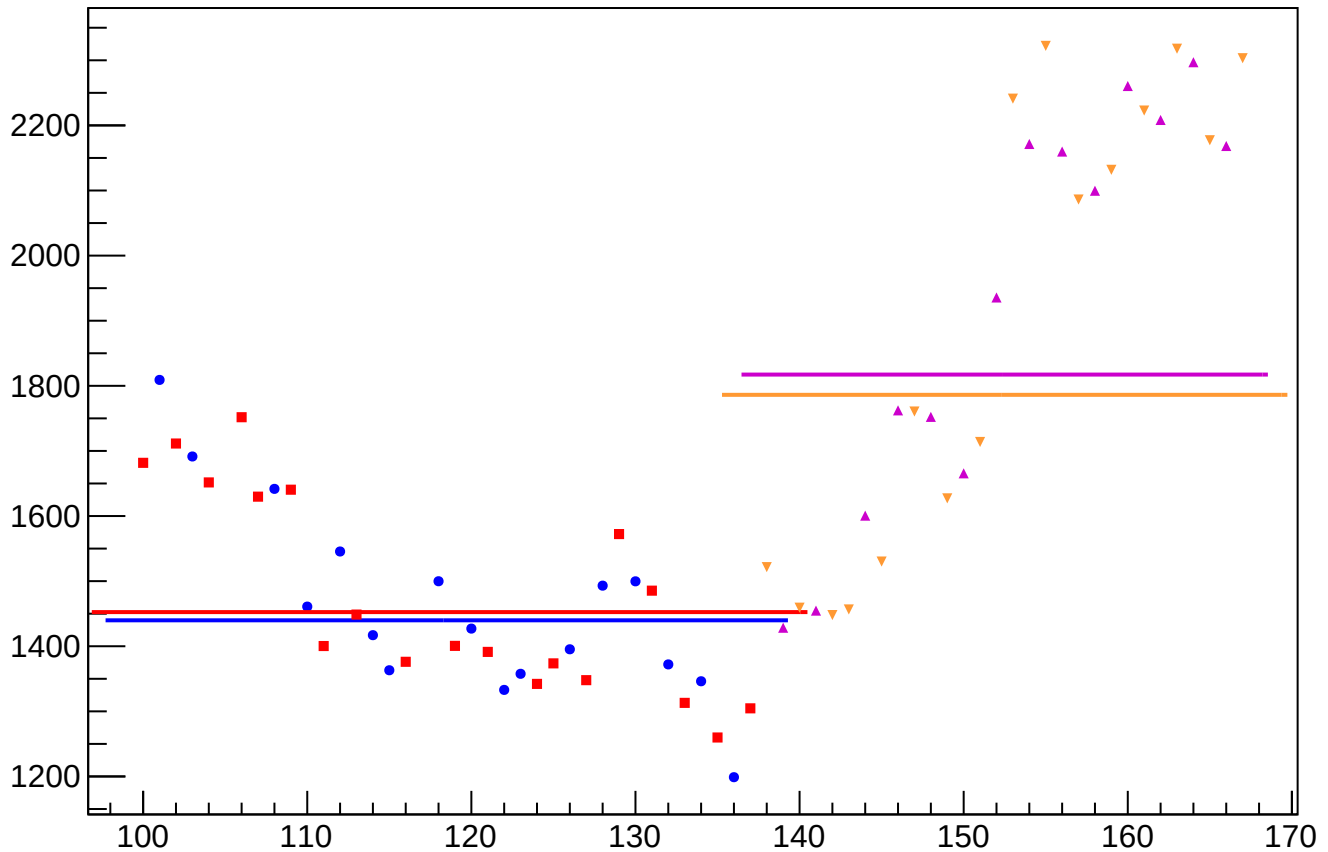
Left In: 14.708 ± 0.560 χ^2/NDF : 492.2/13

+ sign 8.021 ± 0.384 χ^2/NDF : 1027.9/32

All: 7.696 ± 0.274 χ^2/NDF : 2487.2/65

- sign 7.358 ± 0.391 χ^2/NDF : 1457.8/32

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1786.169 $\pm$ 0.373 χ^2 /NDF: 782137.2/15

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

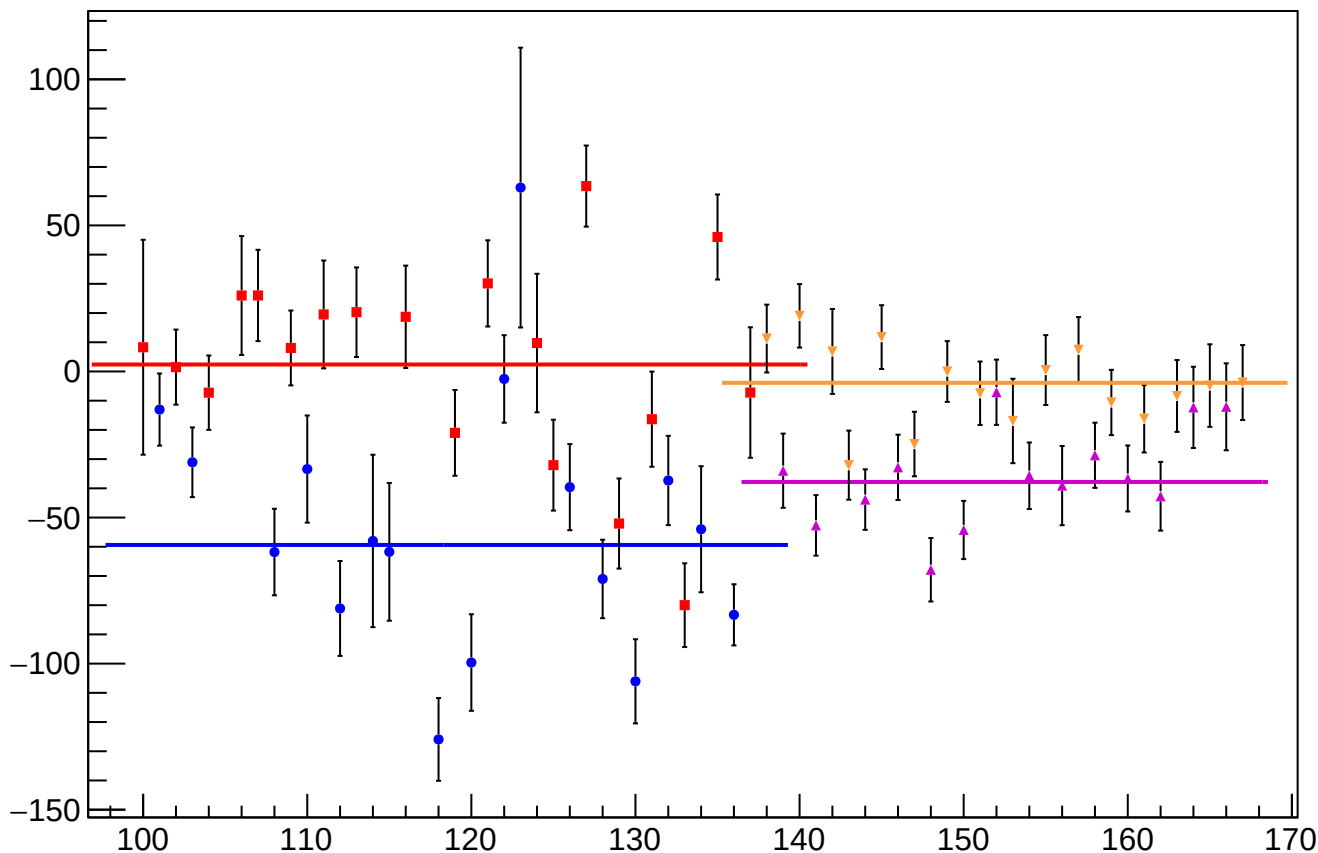
Left In: 1817.274 $\pm$ 0.396 χ^2 /NDF: 563808.8/13

+ sign 1623.274 $\pm$ 0.271 χ^2 /NDF: 1360914.7/32

All: 1626.856 $\pm$ 0.194 χ^2 /NDF: 2498165.3/65

- sign 1630.579 $\pm$ 0.277 χ^2 /NDF: 1136895.1/32

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

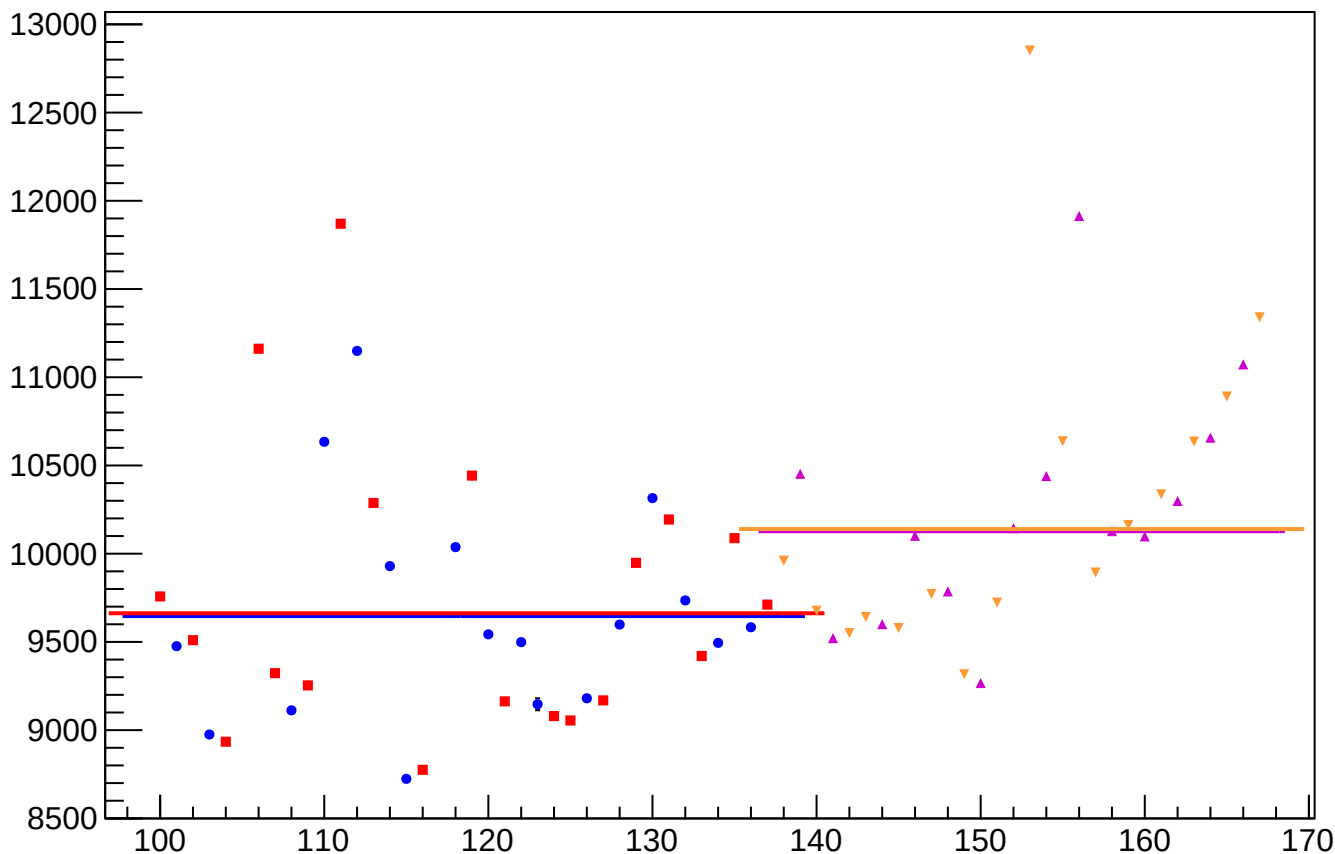
Left In: -37.816 ± 3.081 χ^2/NDF : 27.9/13

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

All: -23.140 ± 1.648 χ^2/NDF : 445.8/65

- sign -20.979 ± 2.349 χ^2/NDF : 193.1/32

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

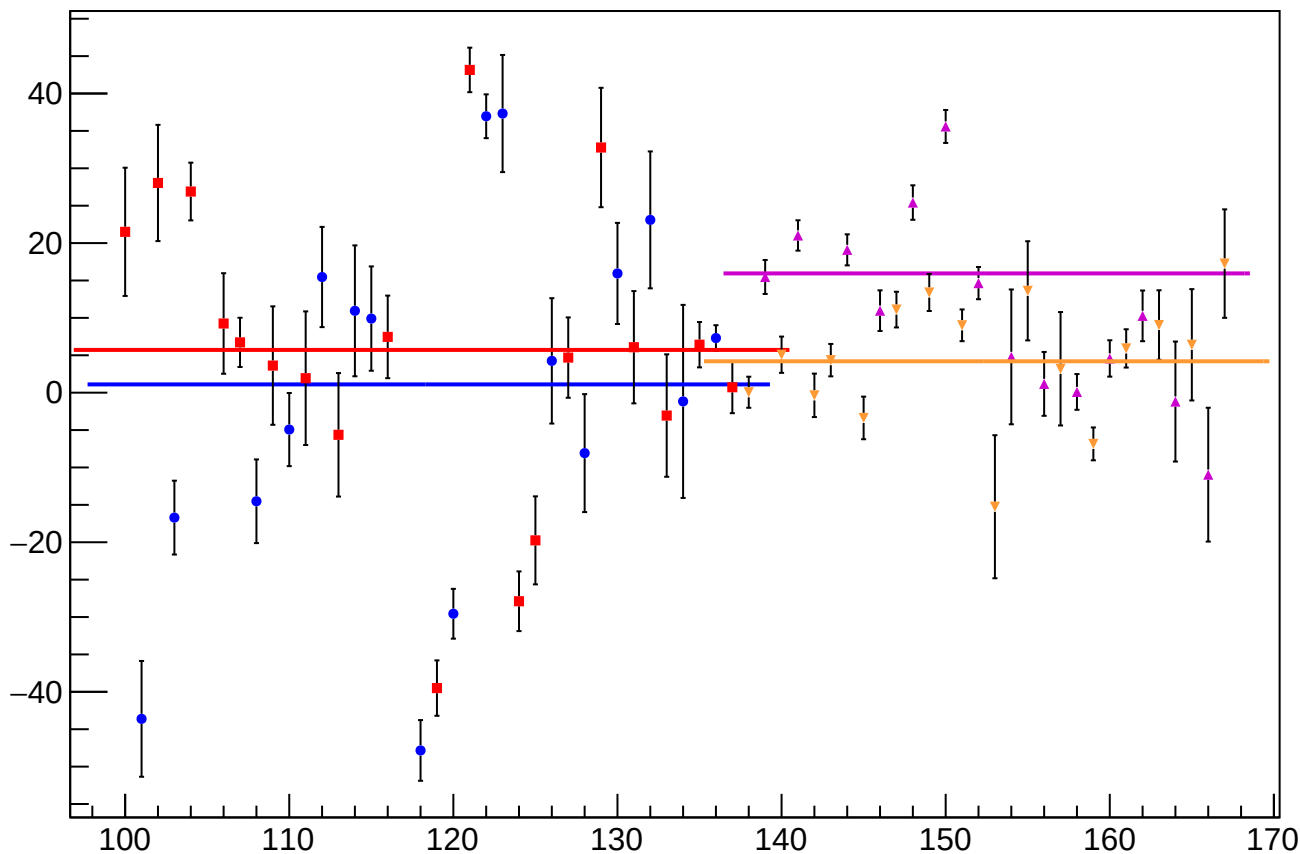
Left In: 10127.495+/-2.179 χ^2/NDF :77864.8/13

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

All: 9941.467+/-1.165 χ^2/NDF : 376014.9/65

- sign 9932.700+/-1.661 χ^2/NDF : 174537.5/32

diff_bpm0l02Y_mean vs Slug



Right In: 1.106 ± 1.066 $\chi^2/\text{NDF}: 489.7/16$

Left Out: 4.197 ± 0.723 $\chi^2/\text{NDF}: 77.3/15$

Right Out: 5.716 ± 1.091 $\chi^2/\text{NDF}: 456.0/18$

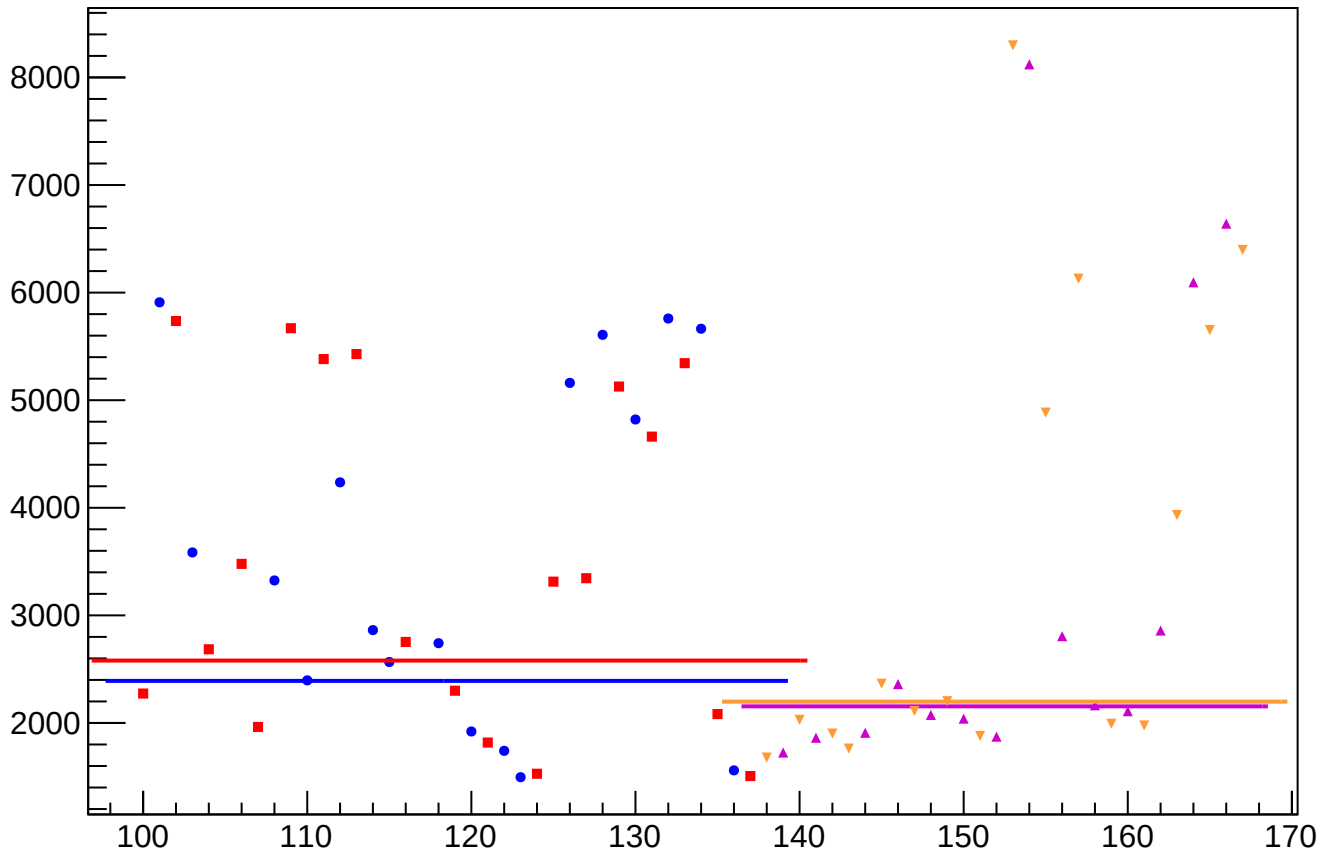
Left In: 15.947 ± 0.718 $\chi^2/\text{NDF}: 204.5/13$

+ sign 3.224 ± 0.599 $\chi^2/\text{NDF}: 572.8/32$

All: 8.030 ± 0.424 $\chi^2/\text{NDF}: 1423.8/65$

- sign 12.856 ± 0.600 $\chi^2/\text{NDF}: 721.8/32$

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2198.163 ± 0.511 $\chi^2/\text{NDF}: 3382846.0/15$

+ sign 2258.952 ± 0.423 $\chi^2/\text{NDF}: 6028263.7/32$

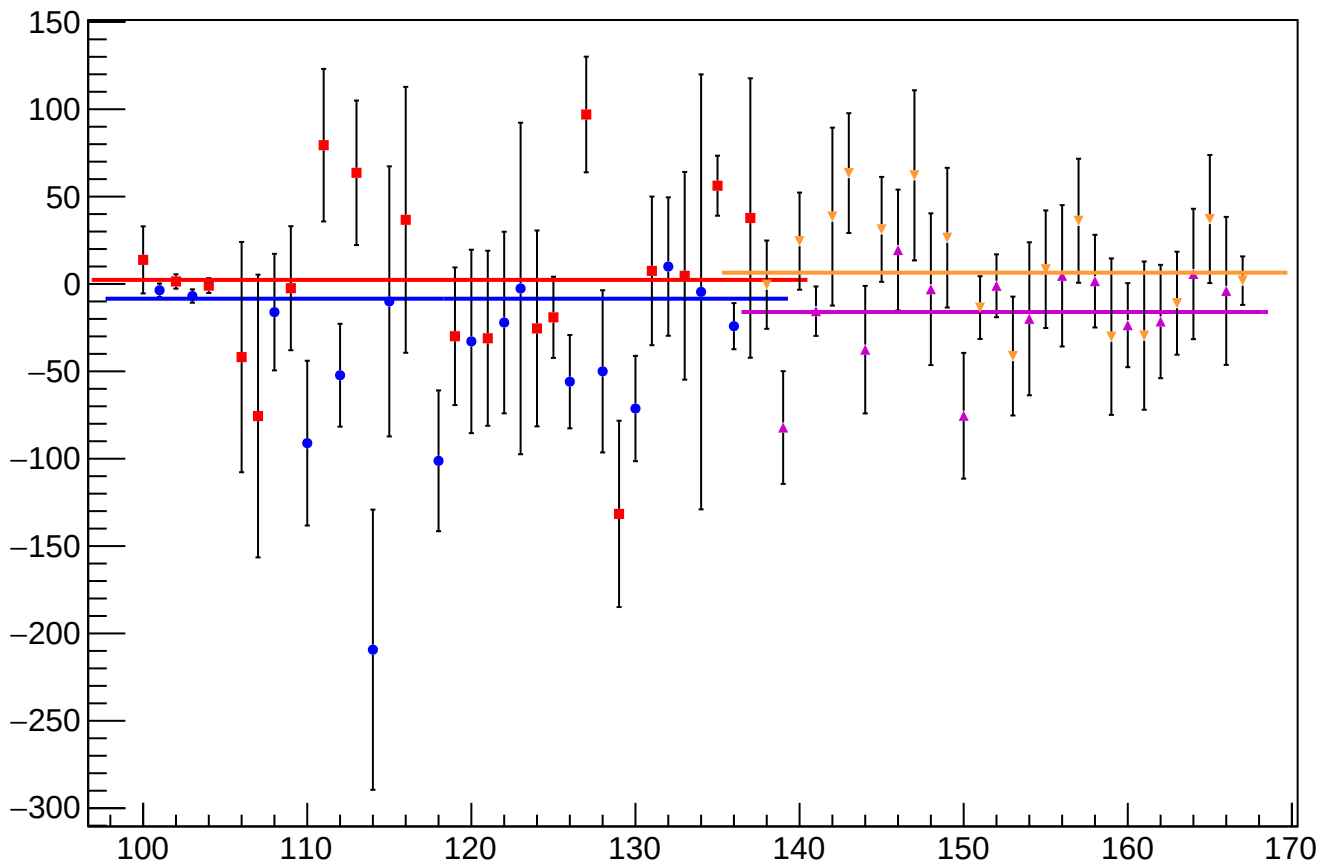
Right Out: 2580.040 ± 0.772 $\chi^2/\text{NDF}: 2365271.4/18$

All: 2270.932 ± 0.300 $\chi^2/\text{NDF}: 10797926.9/6$

Left In: 2154.356 ± 0.508 $\chi^2/\text{NDF}: 2190339.8/13$

- sign 2282.960 ± 0.424 $\chi^2/\text{NDF}: 4768057.4/32$

diff_bpm0l03X_mean vs Slug



Right In: -8.430 ± 2.587 χ^2/NDF : 28.9/16

Left Out: 6.457 ± 7.064 χ^2/NDF : 12.4/15

Right Out: 2.348 ± 2.787 χ^2/NDF : 34.7/18

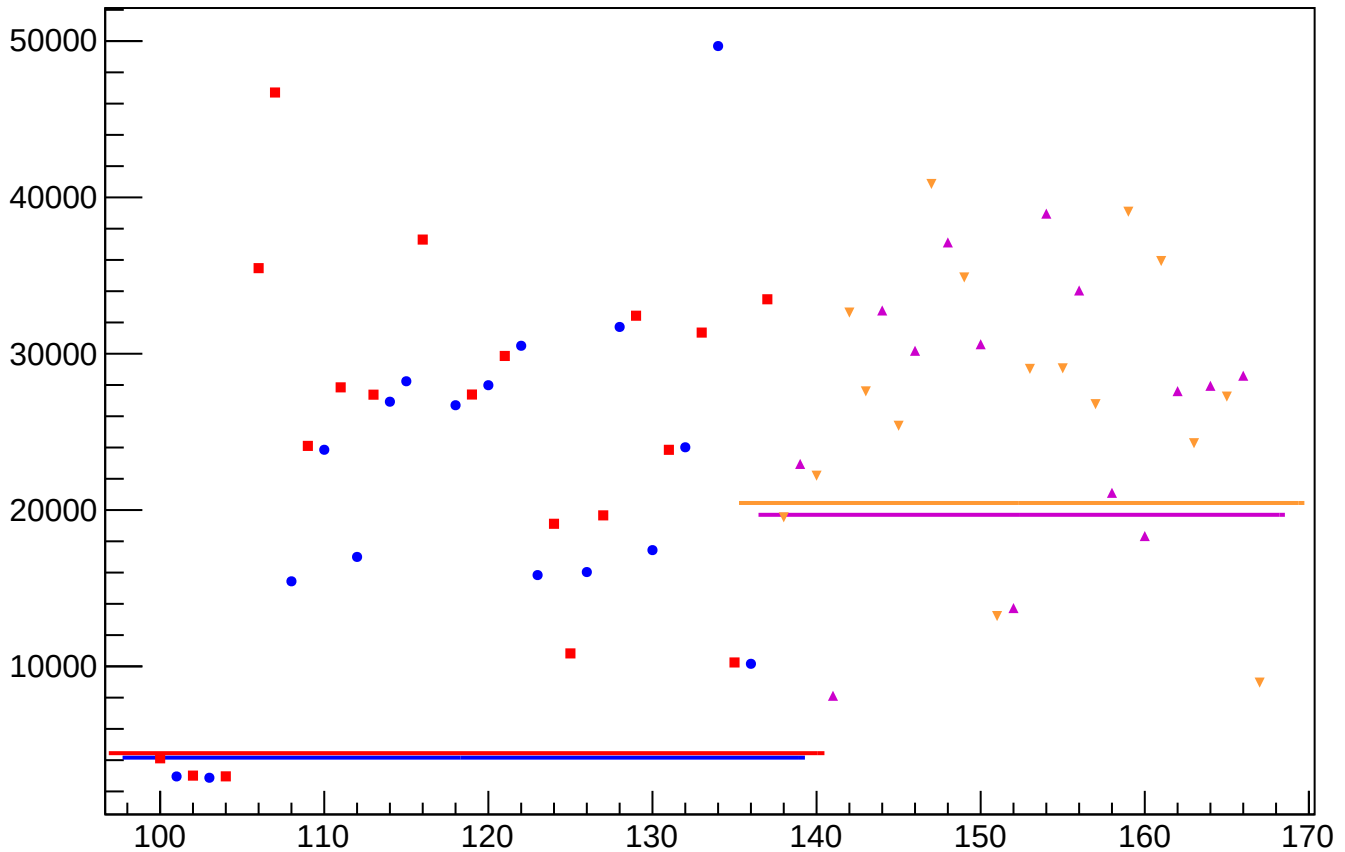
Left In: -16.052 ± 7.363 χ^2/NDF : 10.4/13

+ sign -6.669 ± 2.430 χ^2/NDF : 45.2/32

All: -3.549 ± 1.777 χ^2/NDF : 99.2/65

- sign 0.042 ± 2.606 χ^2/NDF : 50.5/32

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

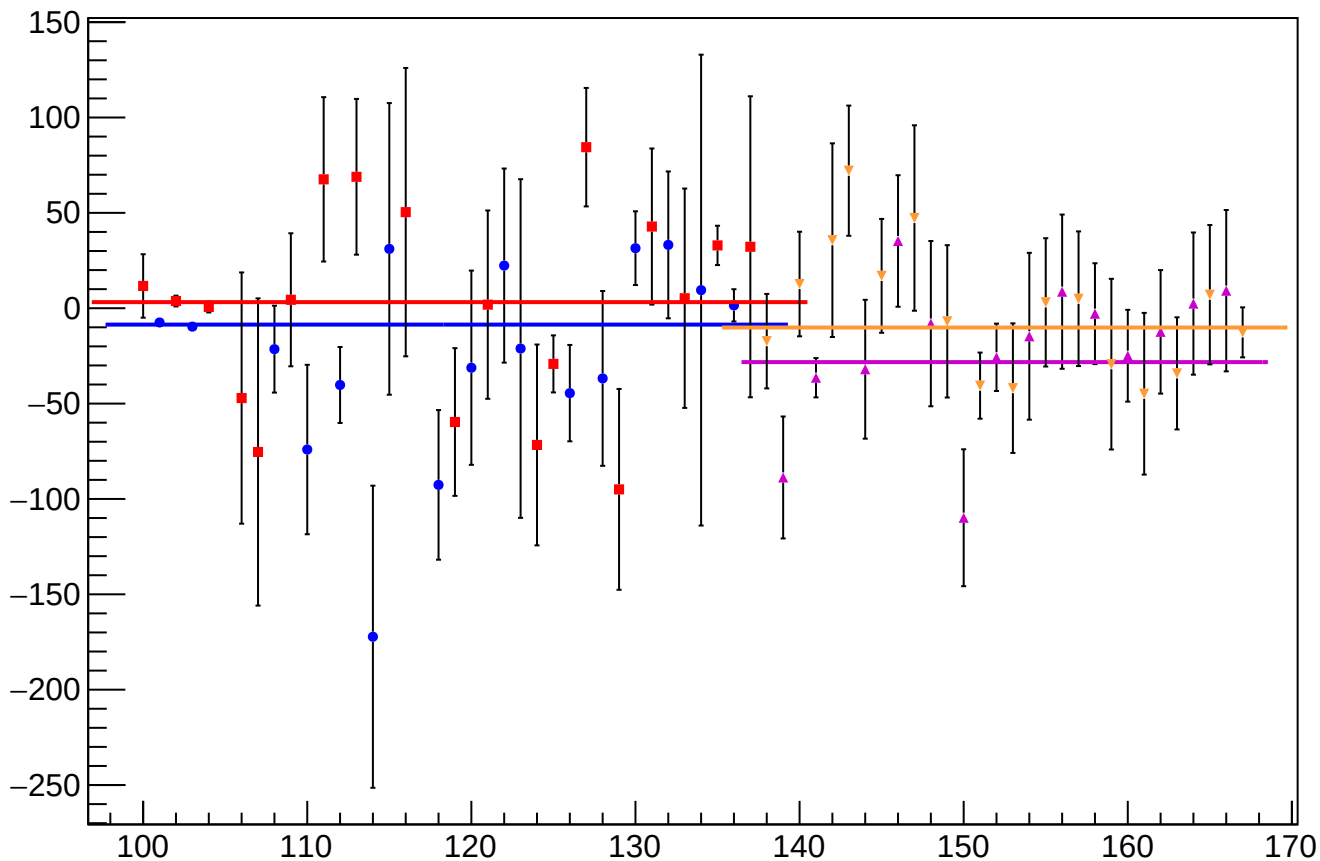
Left In: 19695.604+/-5.206 χ^2/NDF : 3482632.1/13

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

All: 6214.291+/-1.257 χ^2/NDF : 37402675.1/6

- sign 6358.045+/-1.843 χ^2/NDF : 18413312.8/32

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

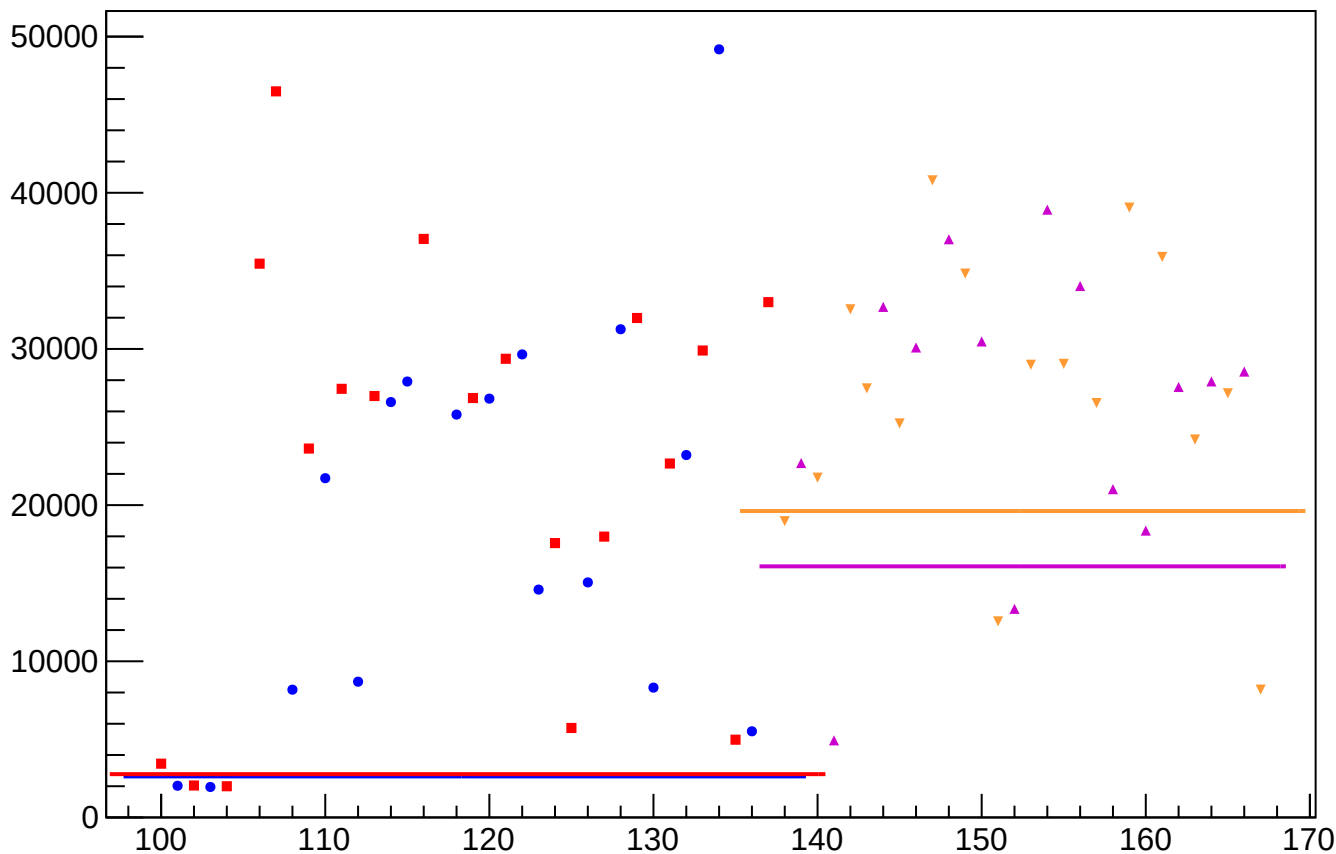
Left In: -28.253 ± 6.591 χ^2/NDF : 16.6/13

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

All: -4.303 ± 1.259 χ^2/NDF : 128.5/65

- sign 0.729 ± 1.845 χ^2/NDF : 74.4/32

diff_bpm0l03Y_rms vs Slug



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

Left Out: 19622.247+/-4.875 χ^2/NDF : 4033352.5/15

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

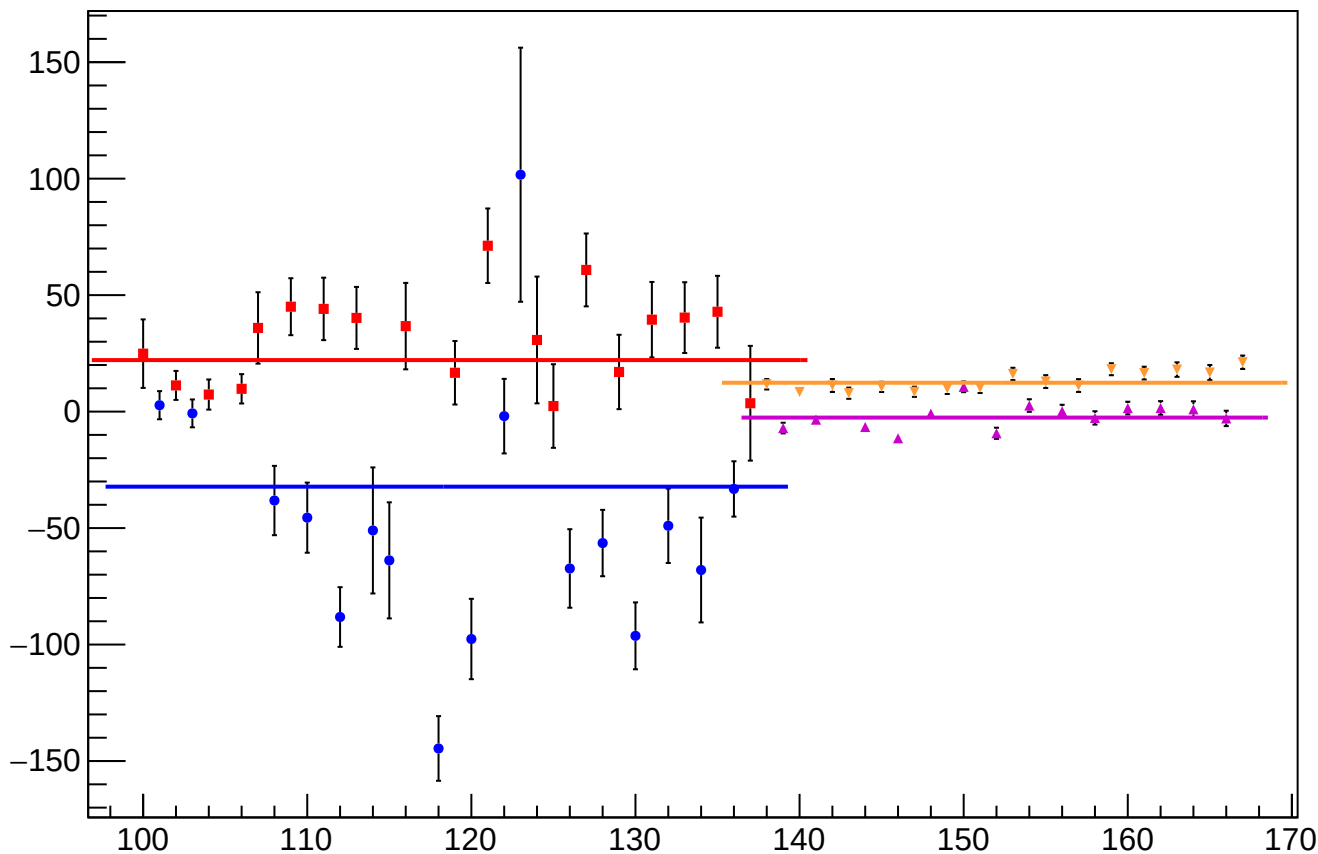
Left In: 16079.240+/-4.661 χ^2/NDF : 5659730.2/13

+ sign 3689.844+/-1.217 χ^2/NDF : 21012810.7/32

All: 3748.745+/-0.890 χ^2/NDF : 42025094.9/6

- sign 3816.431+/-1.305 χ^2/NDF : 21007252.1/32

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

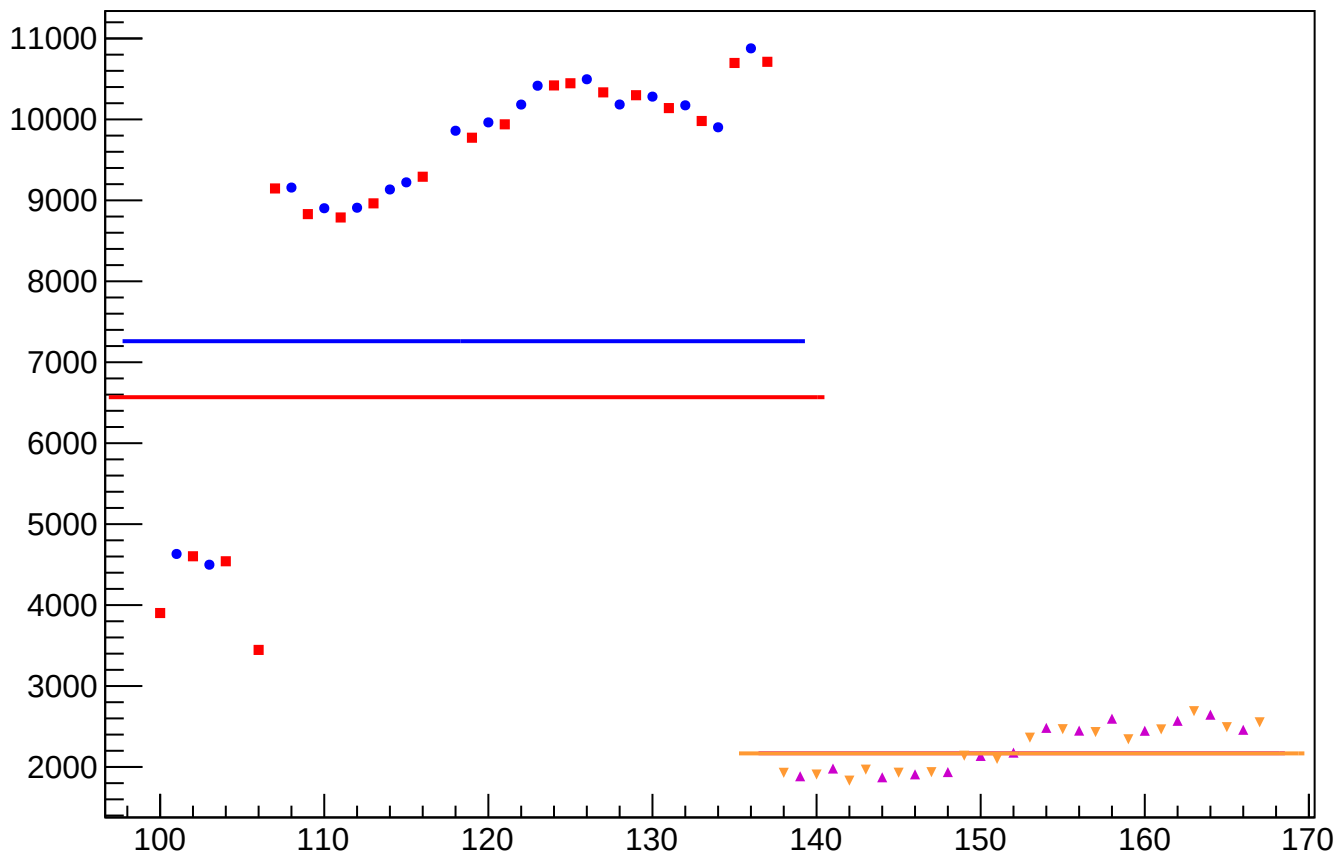
Left In: -2.573 ± 0.664 χ^2/NDF : 77.1/13

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

All: 4.901 ± 0.446 χ^2/NDF : 824.7/65

- sign -1.134 ± 0.644 χ^2/NDF : 201.3/32

diff_bpm0l04X_rms vs Slug



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

Left Out: 2167.680 $\pm$ 0.448 χ^2 /NDF: 339753.7/15

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

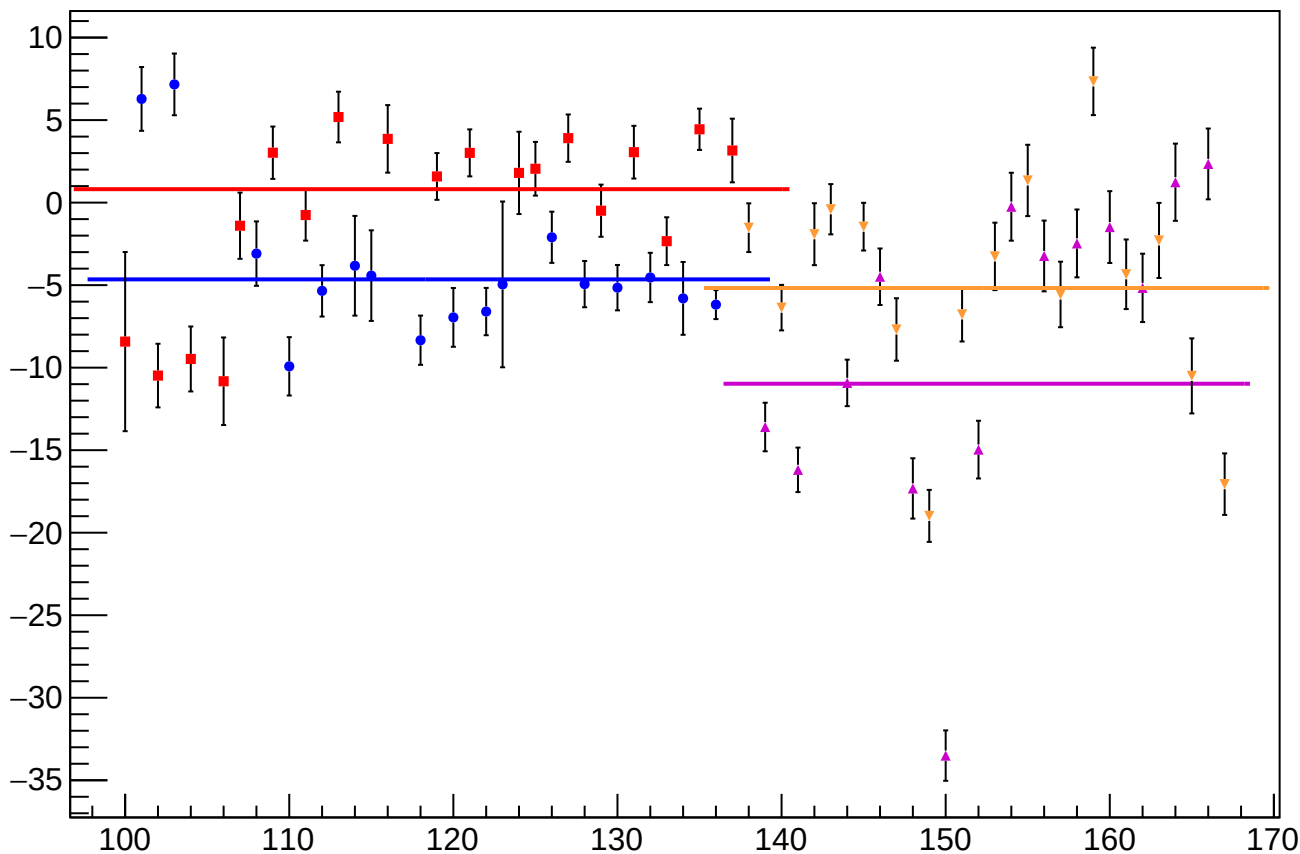
Left In: 2169.737 $\pm$ 0.470 χ^2 /NDF: 346510.8/13

+ sign 2387.292 $\pm$ 0.438 χ^2 /NDF: 7559415.8/32

All: 2405.932 $\pm$ 0.316 χ^2 /NDF: 15220097.9/6

- sign 2426.129 $\pm$ 0.456 χ^2 /NDF: 7656905.1/32

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

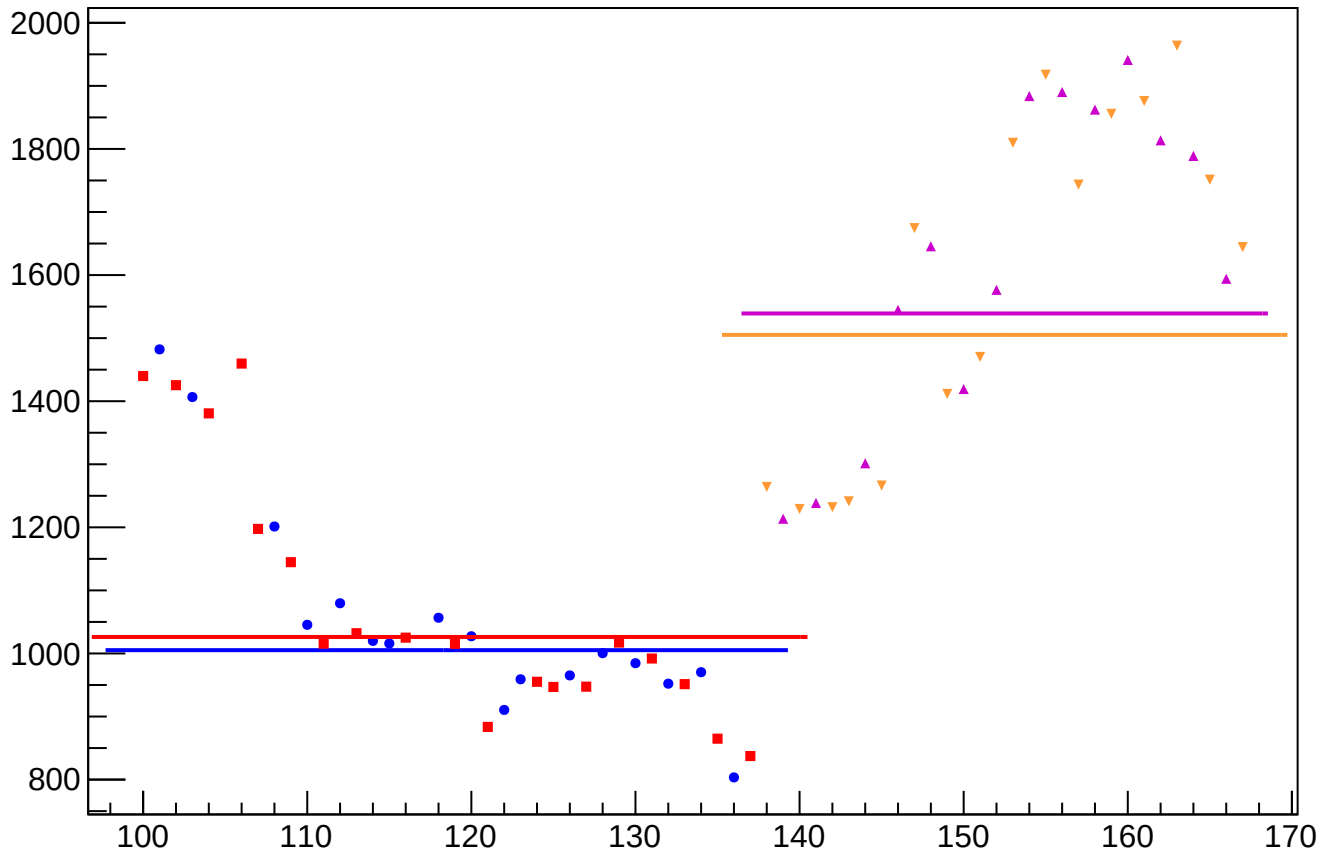
Left In: -10.974 ± 0.474 χ^2/NDF : 417.4/13

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

All: -4.411 ± 0.210 χ^2/NDF : 1215.8/65

- sign -3.920 ± 0.301 χ^2/NDF : 910.9/32

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1505.190+/-0.314 χ^2/NDF : 697346.5/15

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

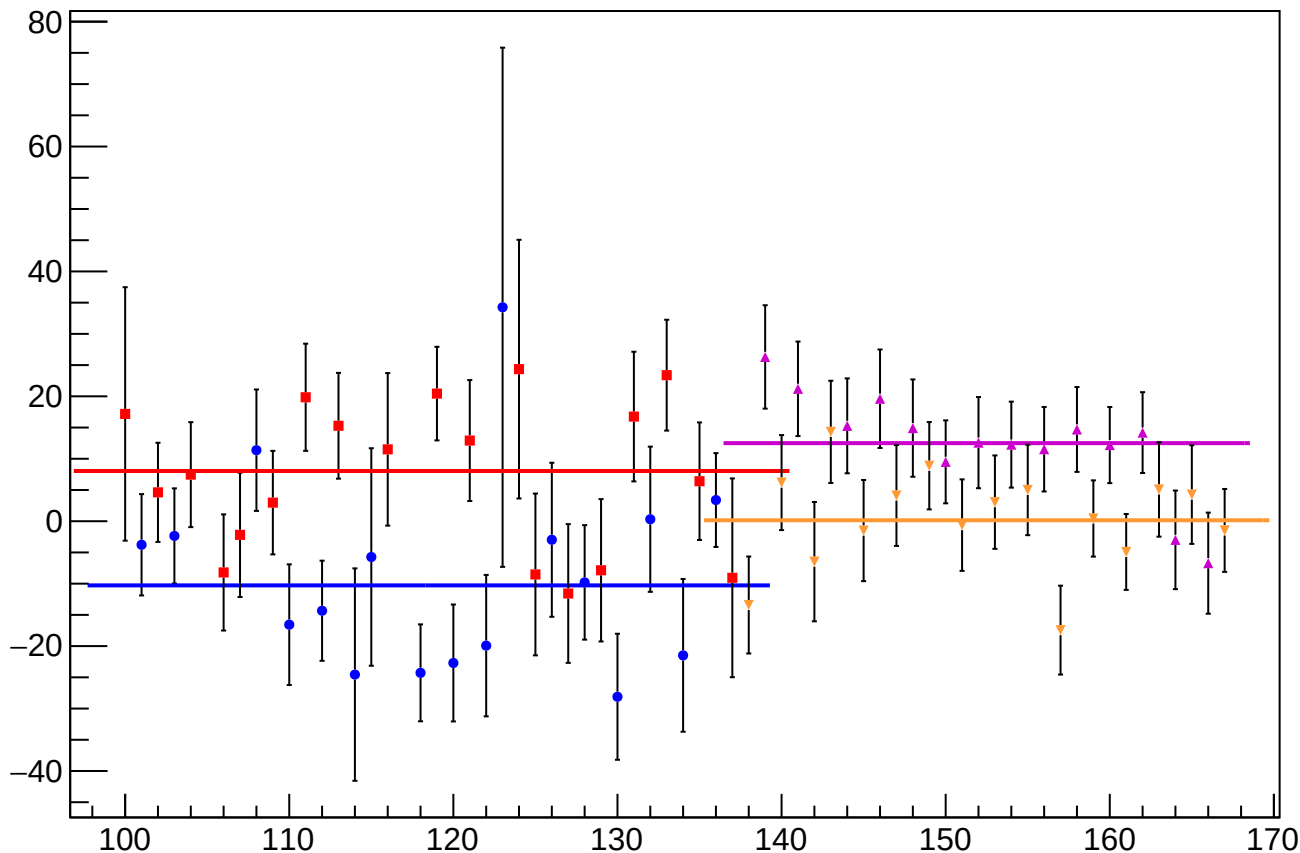
Left In: 1539.123+/-0.335 χ^2/NDF : 560921.0/13

+ sign 1224.776+/-0.208 χ^2/NDF : 2483400.9/32

All: 1228.405+/-0.149 χ^2/NDF : 4778560.9/65

- sign 1232.196+/-0.212 χ^2/NDF : 2294537.1/32

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

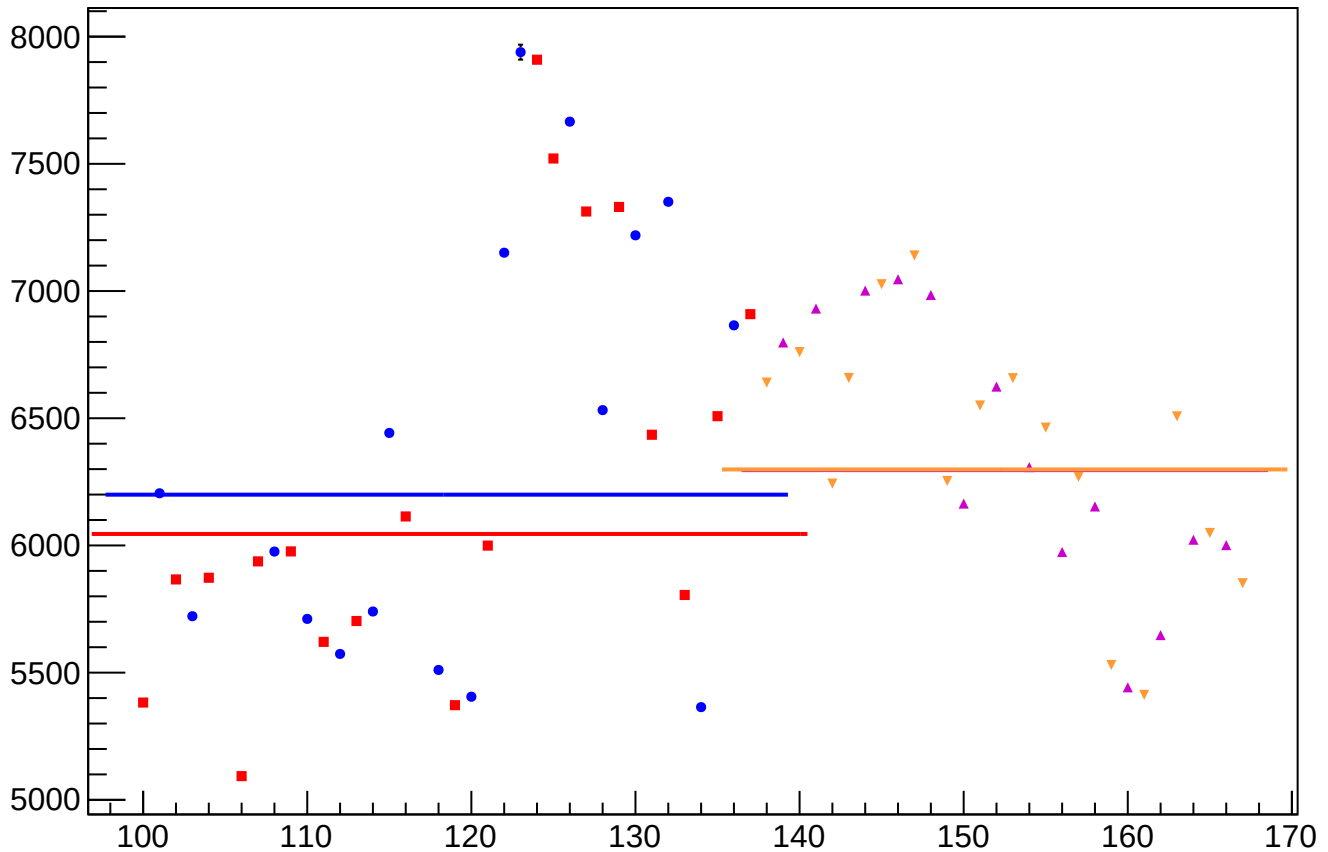
Left In: 12.504 ± 1.924 χ^2/NDF : 15.0/13

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

All: 3.434 ± 1.036 χ^2/NDF : 140.4/65

- sign 10.645 ± 1.470 χ^2/NDF : 40.0/32

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

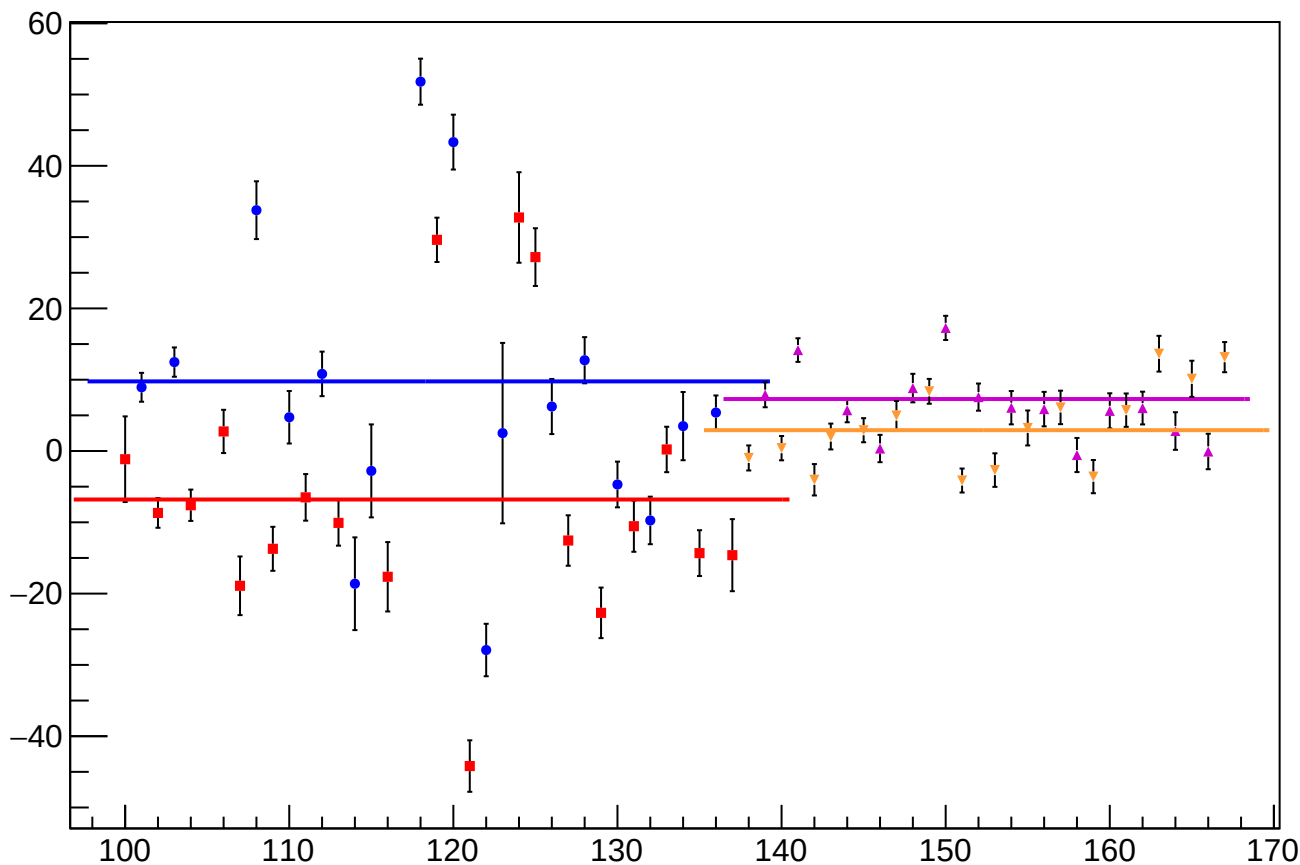
Left In: 6296.150 $\pm$ 1.361 χ^2 /NDF: 146995.2/13

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

All: 6227.186 $\pm$ 0.733 χ^2 /NDF: 643621.0/65

- sign 6191.651 $\pm$ 1.040 χ^2 /NDF: 319481.8/32

diff_bpm0l05Y_mean vs Slug



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

Left Out: 2.921 ± 0.507 $\chi^2/\text{NDF}: 112.3/15$

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

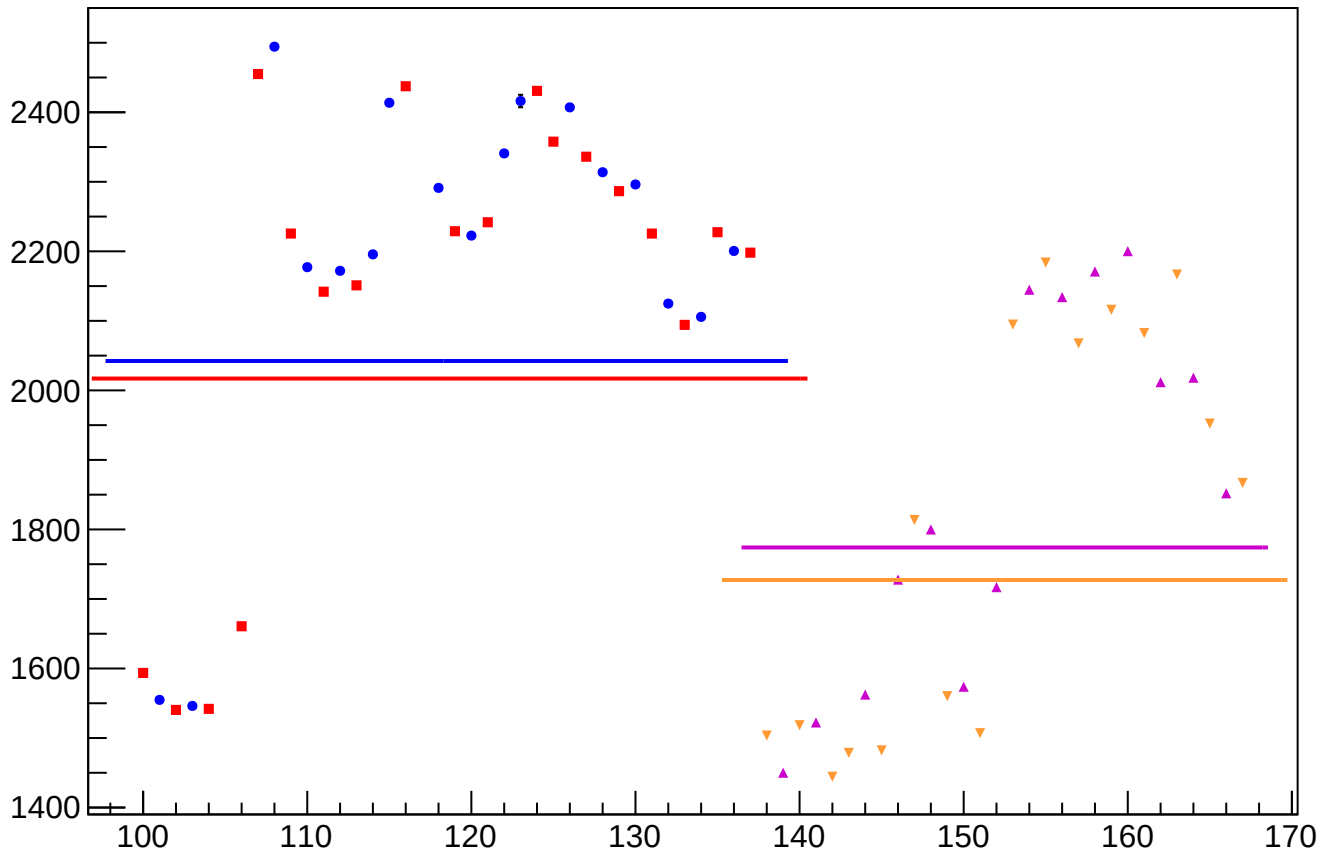
Left In: 7.291 ± 0.545 $\chi^2/\text{NDF}: 90.2/13$

+ sign 4.895 ± 0.428 $\chi^2/\text{NDF}: 638.6/32$

All: 3.764 ± 0.308 $\chi^2/\text{NDF}: 1390.4/65$

- sign 2.548 ± 0.444 $\chi^2/\text{NDF}: 737.3/32$

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

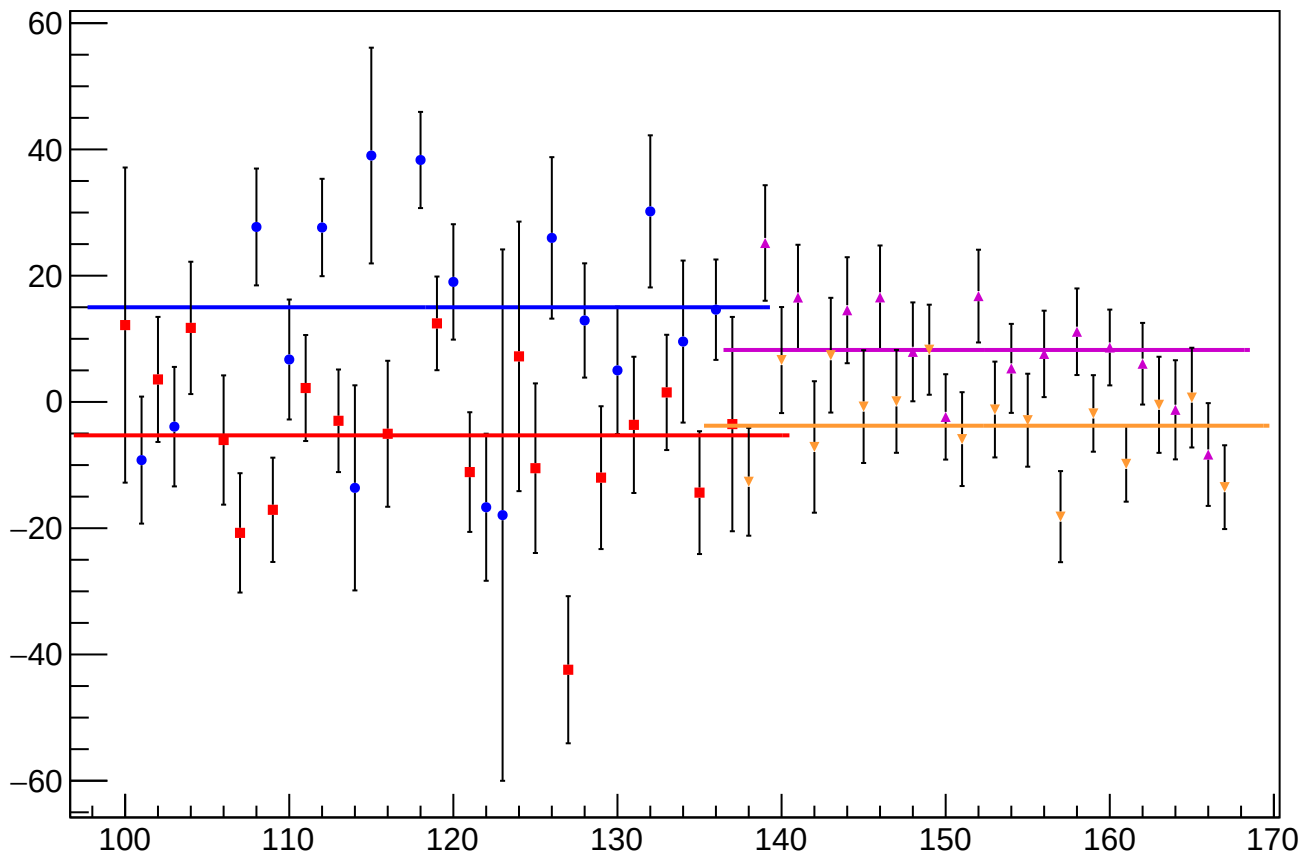
Left In: 1774.067+/-0.385 χ^2/NDF : 426528.4/13

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

All: 1836.331+/-0.218 χ^2/NDF : 2101815.3/65

- sign 1855.841+/-0.314 χ^2/NDF : 936075.5/32

diff_bpm0l06X_mean vs Slug



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

Left Out: -3.764 $\pm$ 1.888 χ^2 /NDF: 15.4/15

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

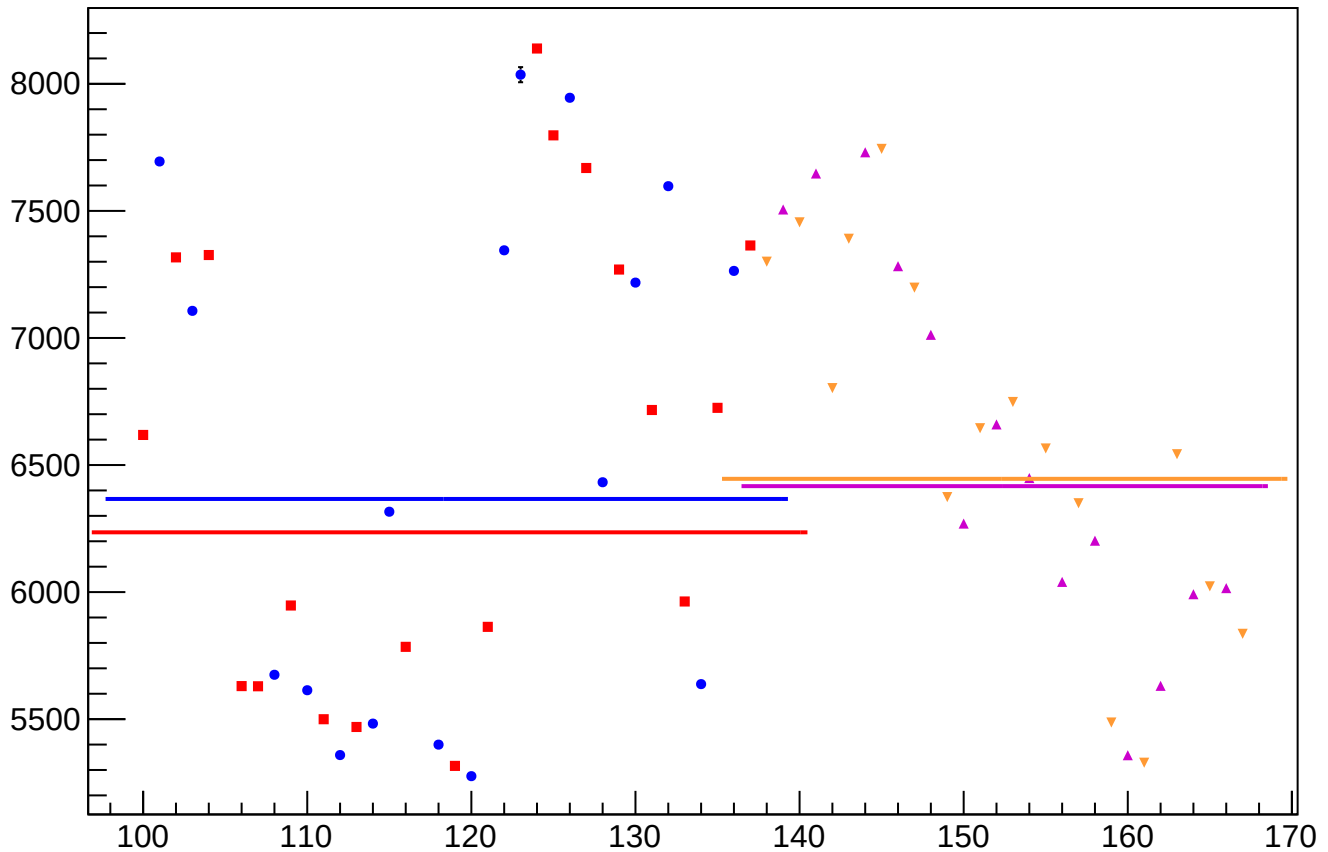
Left In: 8.234 $\pm$ 1.970 χ^2 /NDF: 15.9/13

+ sign 3.099 $\pm$ 1.503 χ^2 /NDF: 92.8/32

All: 2.887 $\pm$ 1.066 χ^2 /NDF: 156.2/65

- sign 2.672 $\pm$ 1.512 χ^2 /NDF: 63.3/32

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

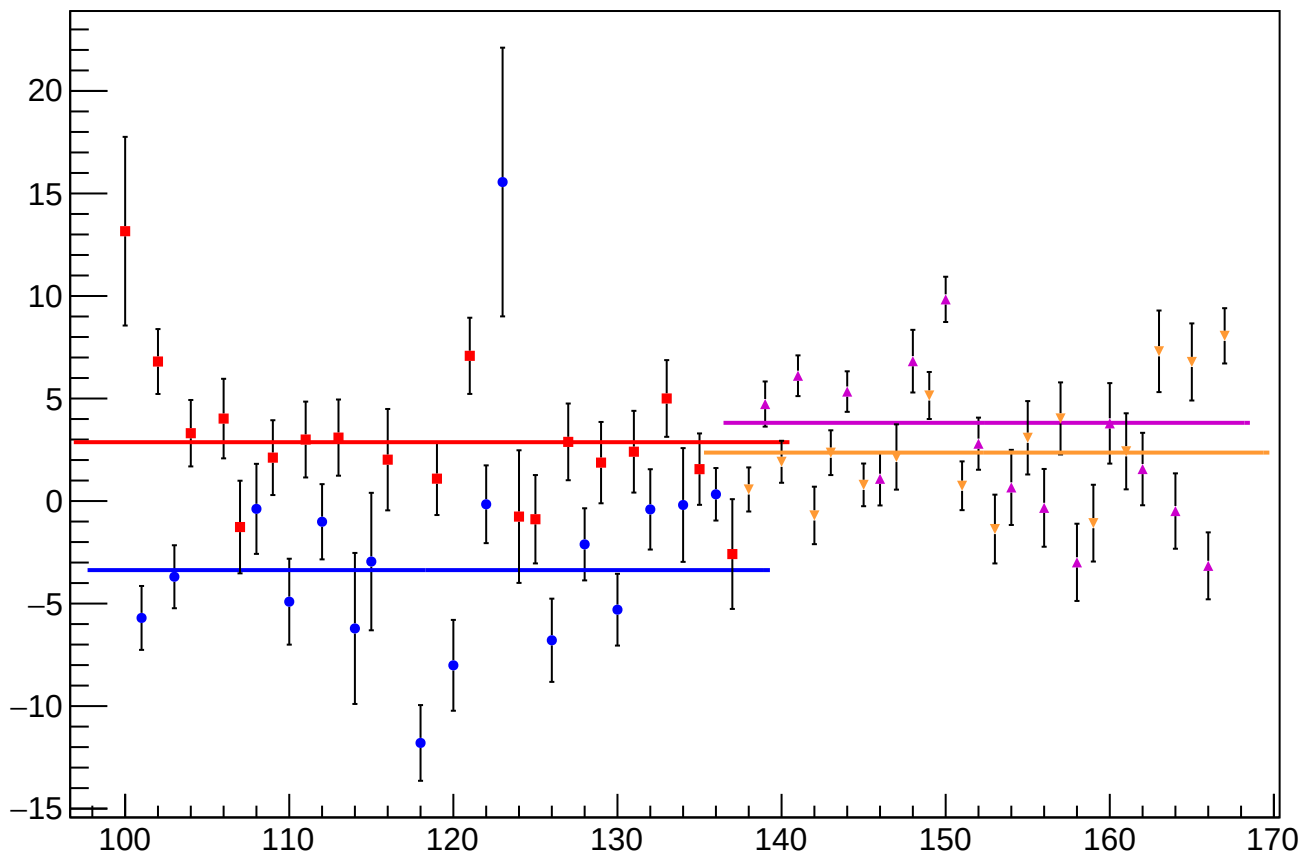
Left In: 6416.942 ± 1.393 χ^2/NDF : 268101.6/13

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

All: 6379.674 ± 0.754 χ^2/NDF : 1088925.9/65

- sign 6342.202 ± 1.069 χ^2/NDF : 518306.4/32

diff_bpm0l06Y_mean vs Slug



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

Left Out: 2.363 ± 0.341 χ^2/NDF : 56.7/15

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

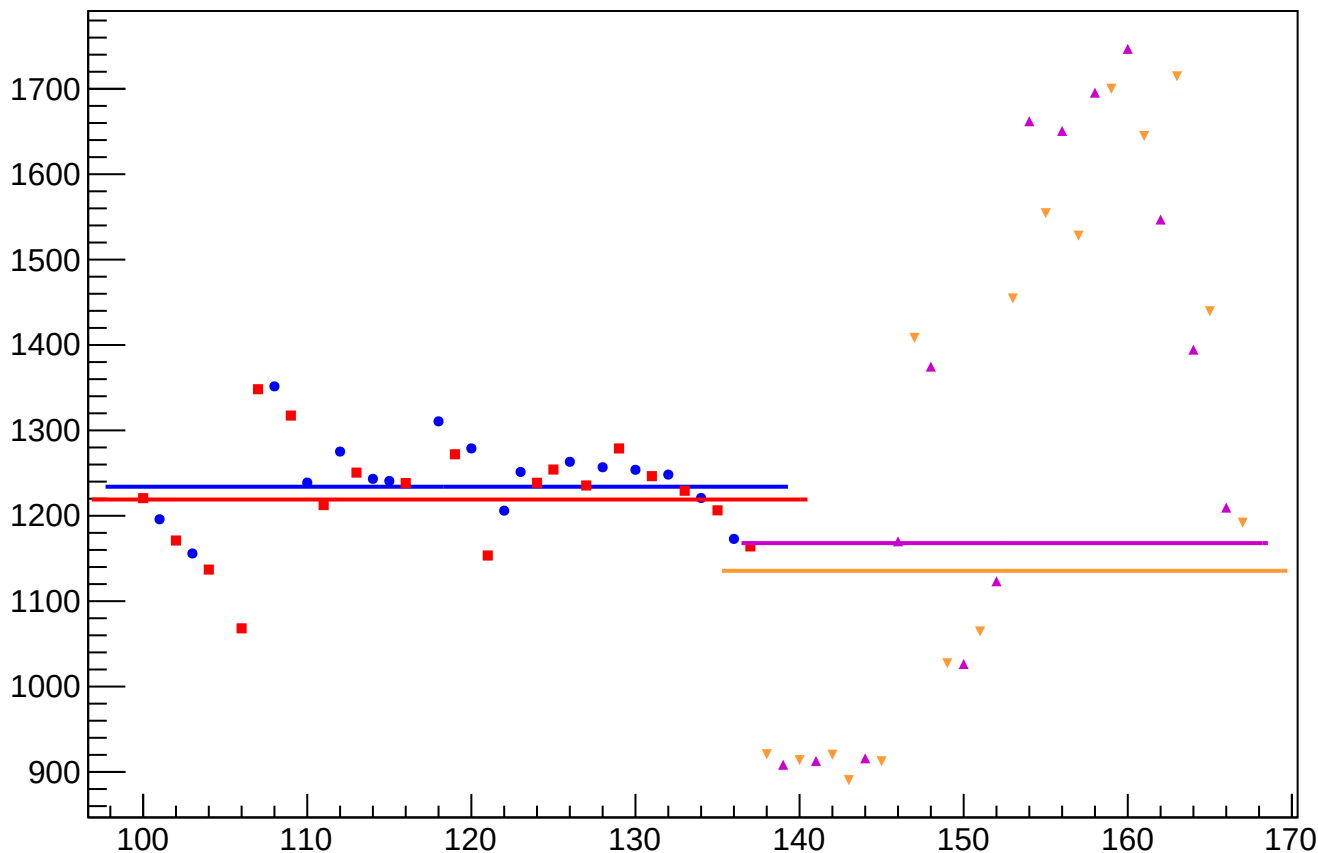
Left In: 3.815 ± 0.367 χ^2/NDF : 93.2/13

+ sign 0.417 ± 0.277 χ^2/NDF : 212.6/32

All: 1.883 ± 0.199 χ^2/NDF : 398.2/65

- sign 3.444 ± 0.286 χ^2/NDF : 127.9/32

diff_bpm0l06Y_rms vs Slug



Right In: 1234.032+/-0.336 χ^2/NDF : 23565.3/16

Left Out: 1135.569+/-0.241 χ^2/NDF : 1336600.6/15

Right Out: 1219.041+/-0.323 χ^2/NDF : 40370.4/18

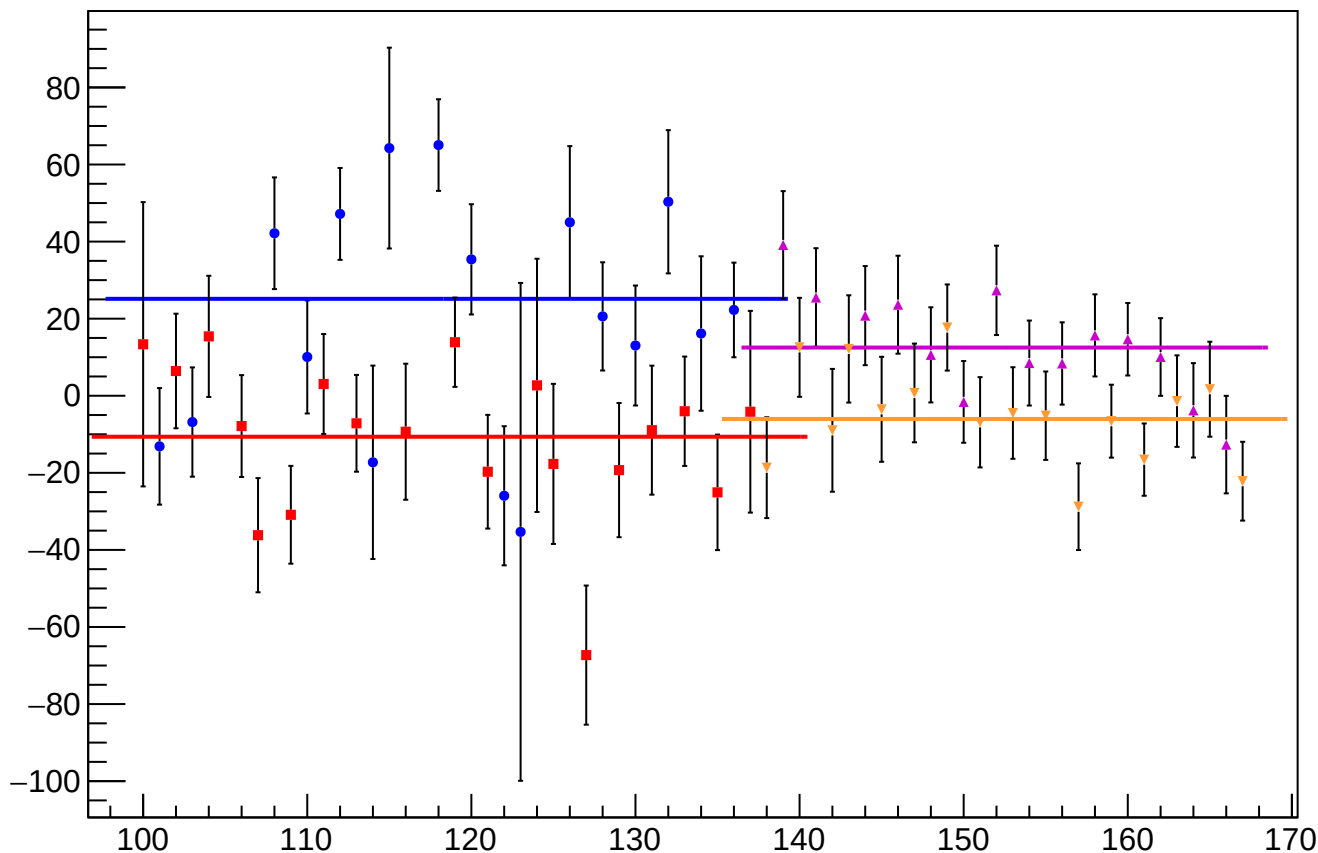
Left In: 1168.005+/-0.259 χ^2/NDF : 1174616.6/13

+ sign 1168.993+/-0.196 χ^2/NDF : 1416807.0/32

All: 1178.215+/-0.141 χ^2/NDF : 2651562.7/65

- sign 1188.038+/-0.202 χ^2/NDF : 1230179.1/32

diff_bpm0l07X_mean vs Slug



Right In: 25.149 ± 3.837 $\chi^2/\text{NDF}: 46.9/16$

Left Out: -6.025 ± 2.934 $\chi^2/\text{NDF}: 18.0/15$

Right Out: -10.634 ± 3.595 $\chi^2/\text{NDF}: 27.7/18$

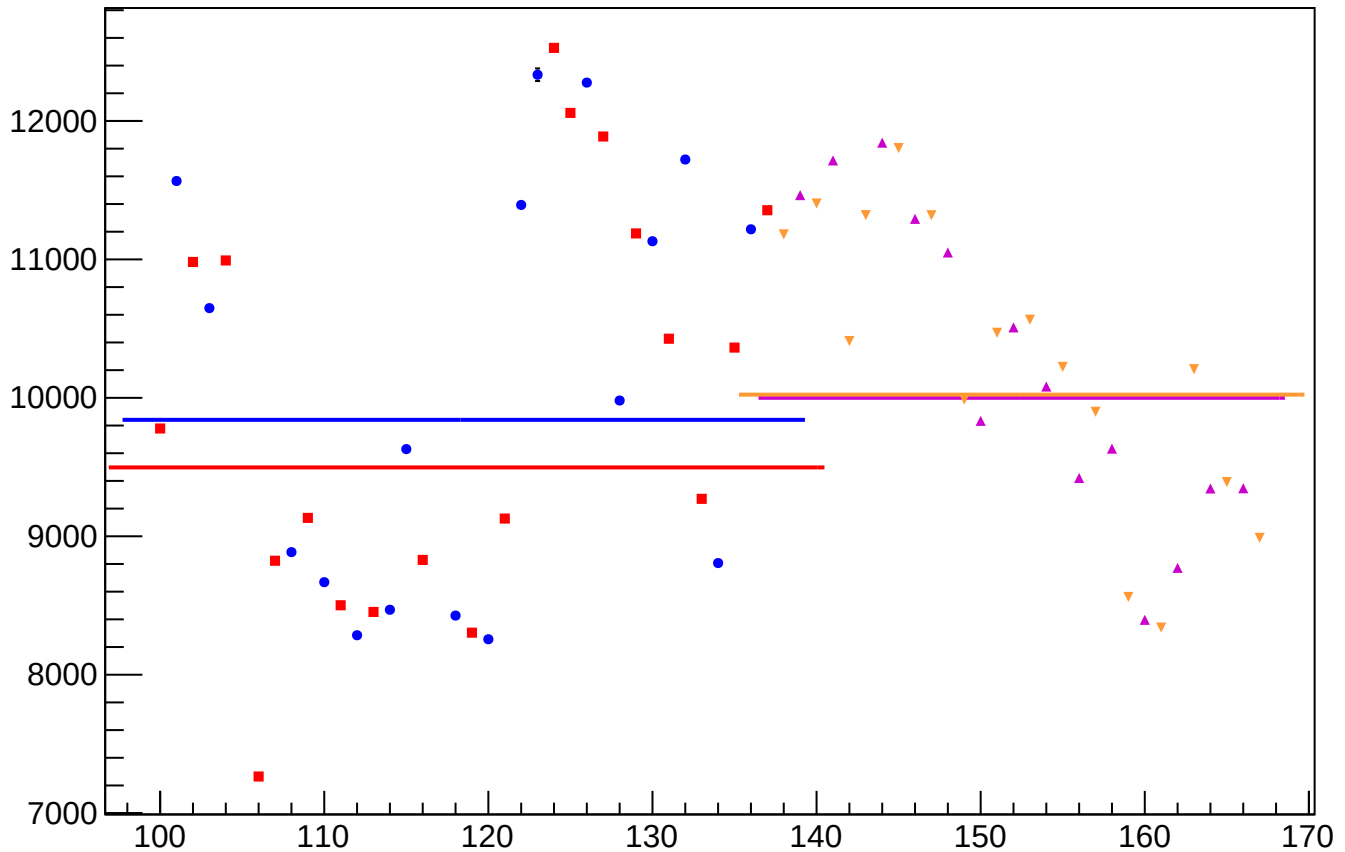
Left In: 12.505 ± 3.068 $\chi^2/\text{NDF}: 15.5/13$

+ sign 5.476 ± 2.331 $\chi^2/\text{NDF}: 106.6/32$

All: 4.116 ± 1.649 $\chi^2/\text{NDF}: 174.4/65$

- sign 2.753 ± 2.334 $\chi^2/\text{NDF}: 67.1/32$

diff_bpm0l07X_rms vs Slug



Right In: 9841.174 $\pm$ 2.713 χ^2 /NDF: 260062.4/16

Left Out: 10023.193 $\pm$ 2.075 χ^2 /NDF: 258212.3/15

Right Out: 9497.483 $\pm$ 2.542 χ^2 /NDF: 276700.1/18

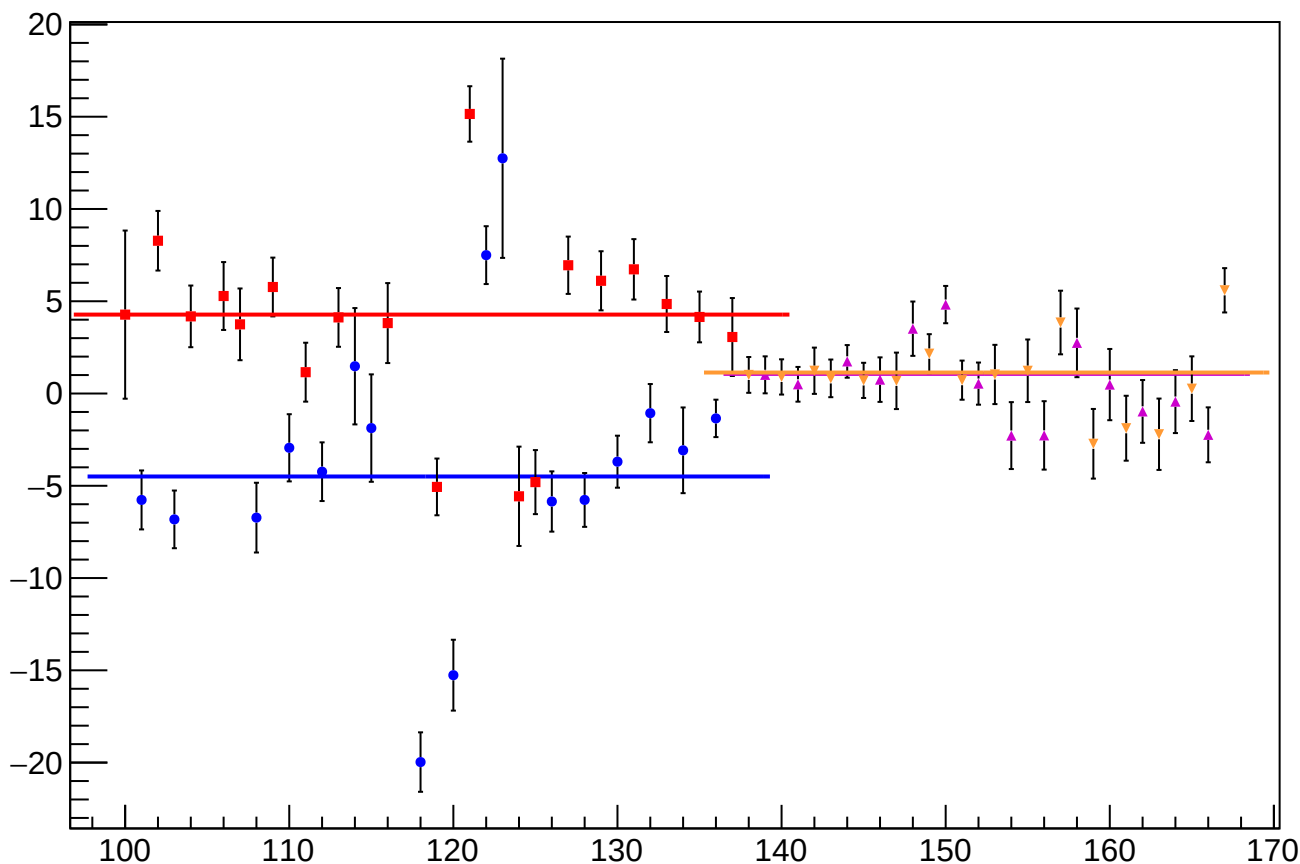
Left In: 10000.352 $\pm$ 2.169 χ^2 /NDF: 245692.8/13

+ sign 9956.039 $\pm$ 1.648 χ^2 /NDF: 521114.3/32

All: 9872.327 $\pm$ 1.166 χ^2 /NDF: 1071317.2/65

- sign 9788.412 $\pm$ 1.650 χ^2 /NDF: 545037.0/32

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

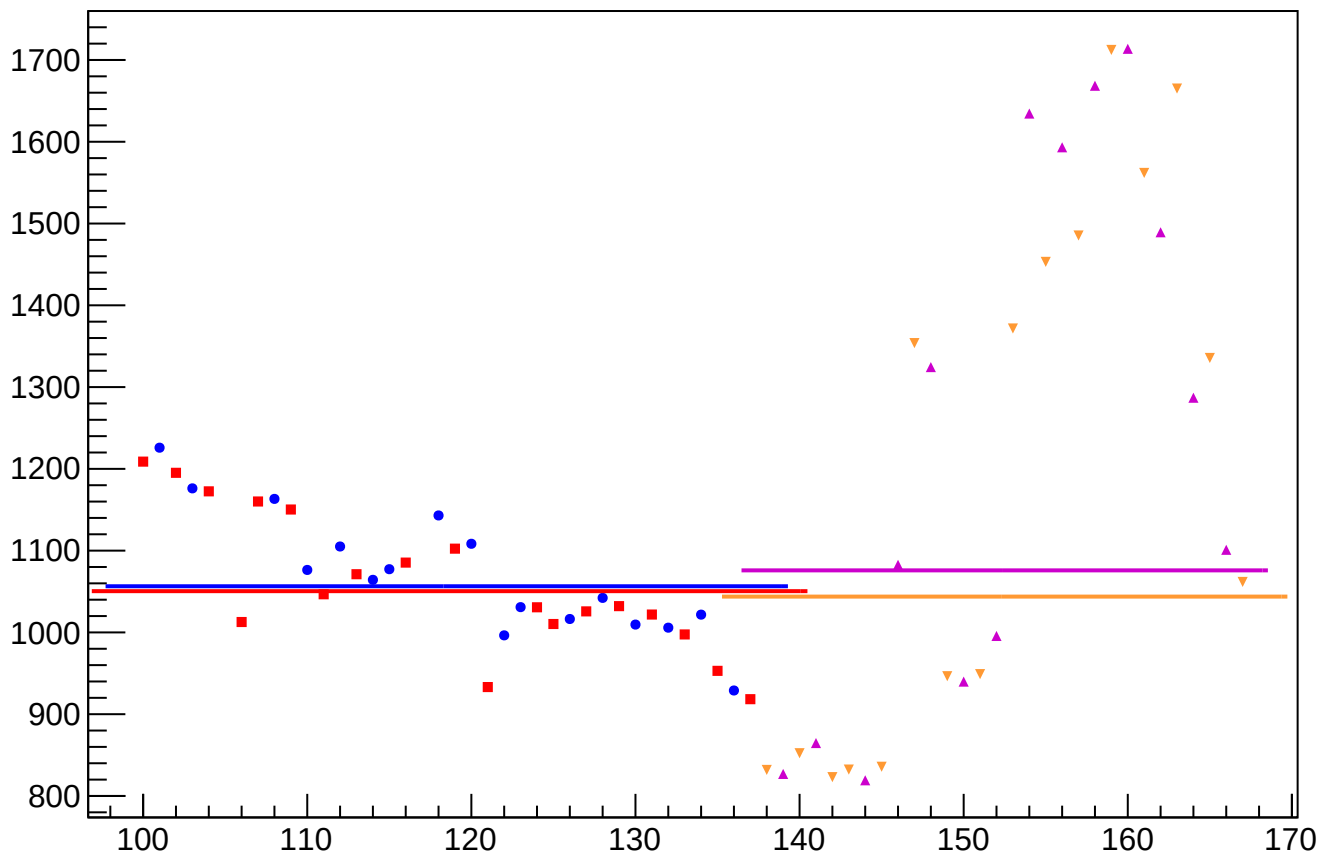
Left In: 1.063 ± 0.341 χ^2/NDF : 32.5/13

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

All: 0.680 ± 0.179 χ^2/NDF : 674.9/65

- sign 2.441 ± 0.258 χ^2/NDF : 218.7/32

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

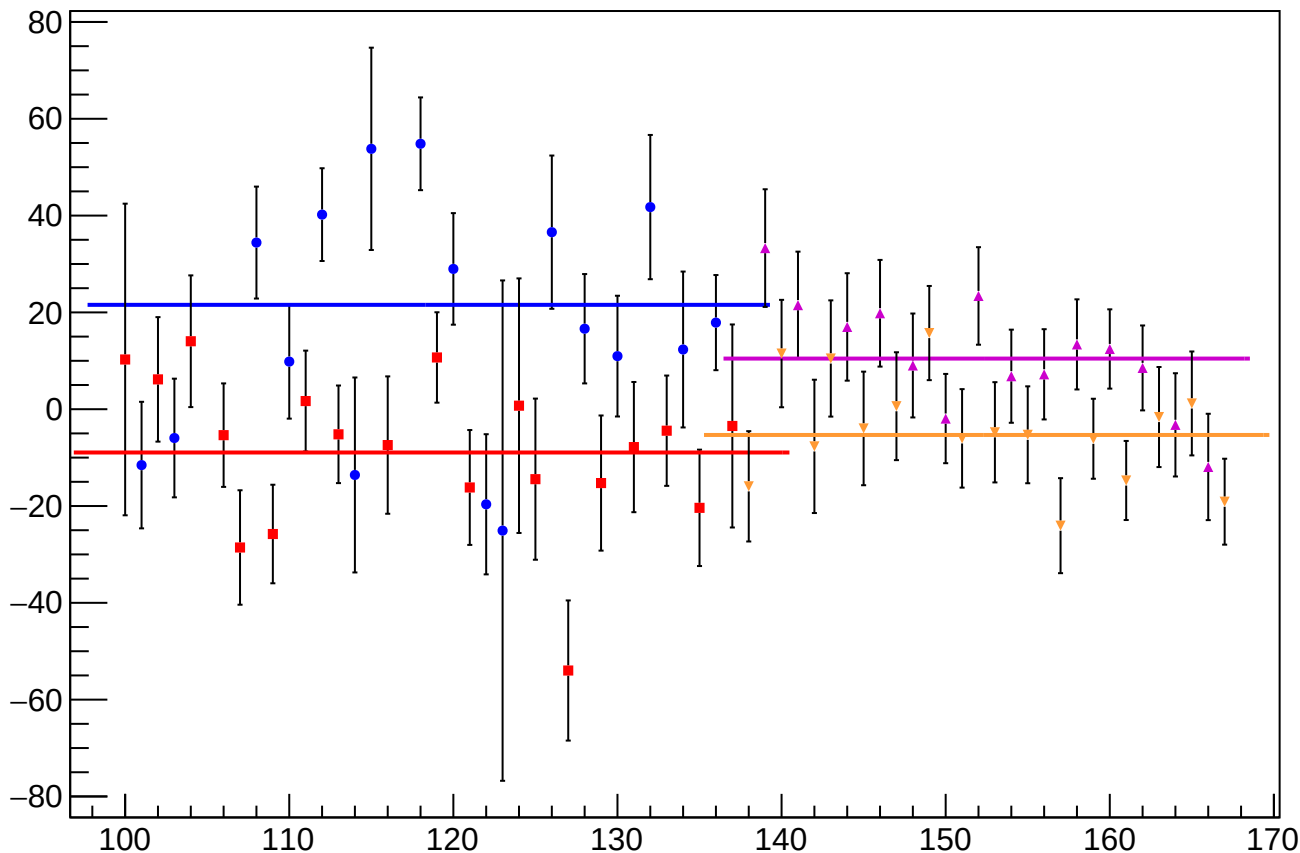
Left In: 1075.873 $\pm$ 0.241 χ^2 /NDF:1412246.9/13

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

All: 1056.486 $\pm$ 0.127 χ^2 /NDF: 3147934.7/65

- sign 1064.974 $\pm$ 0.182 χ^2 /NDF: 1499406.1/32

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

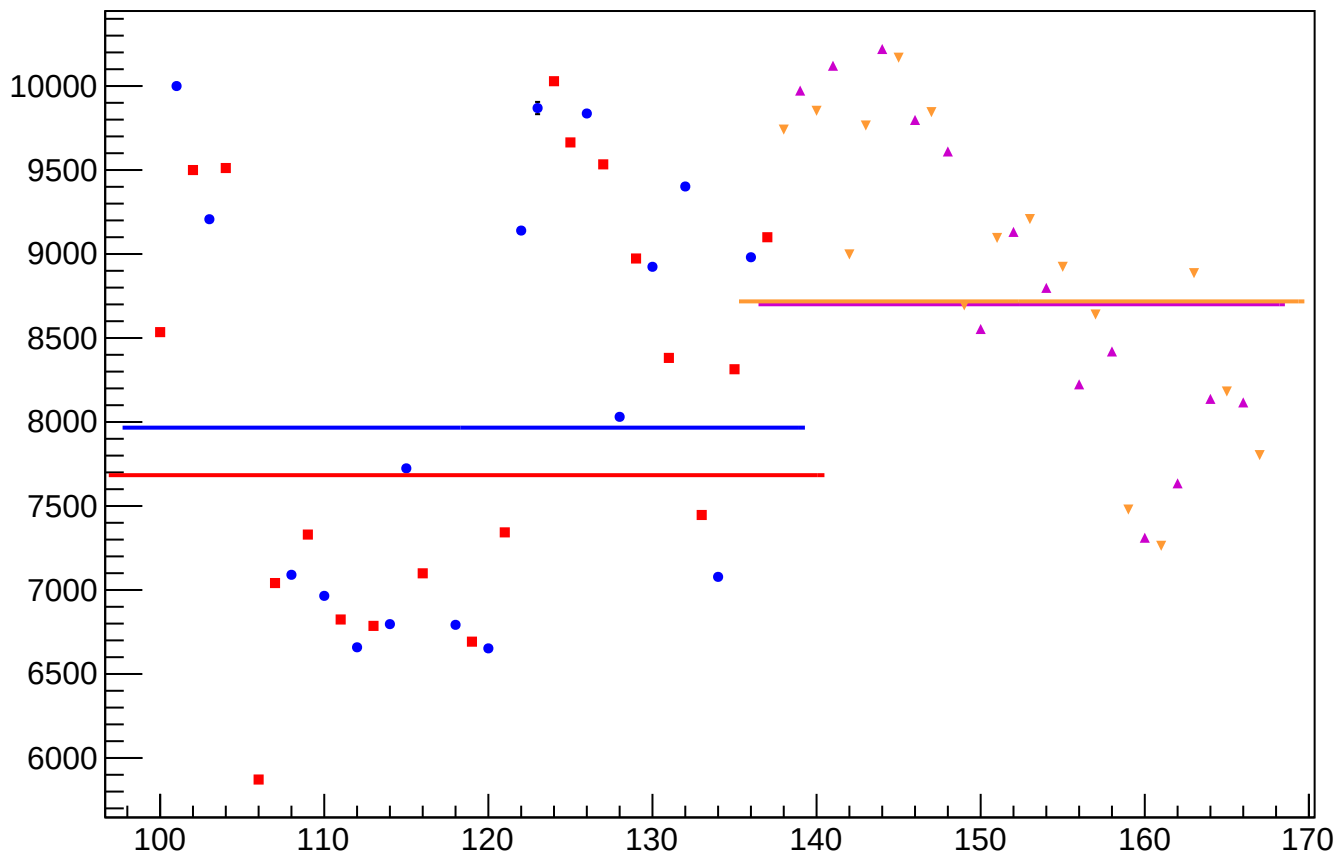
Left In: 10.460 $\pm$ 2.669 χ^2 /NDF:15.3/13

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

All: 3.542 $\pm$ 1.393 χ^2 /NDF: 179.7/65

- sign 1.603 $\pm$ 1.967 χ^2 /NDF: 66.9/32

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

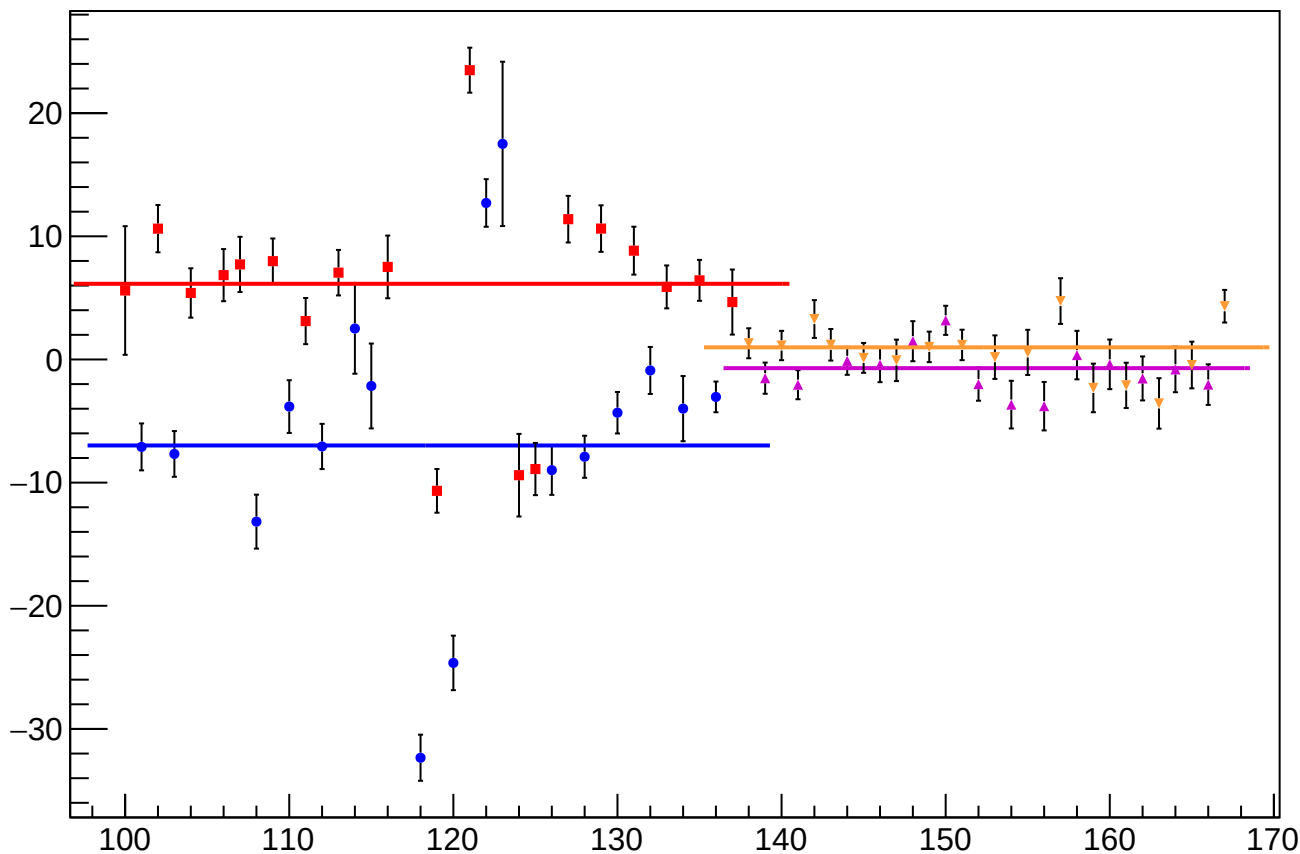
Left In: 8700.766 $\pm$ 1.887 χ^2 /NDF: 236346.1/13

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

All: 8325.783 $\pm$ 0.985 χ^2 /NDF: 1306228.6/65

- sign 8236.393 $\pm$ 1.391 χ^2 /NDF: 684054.5/32

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

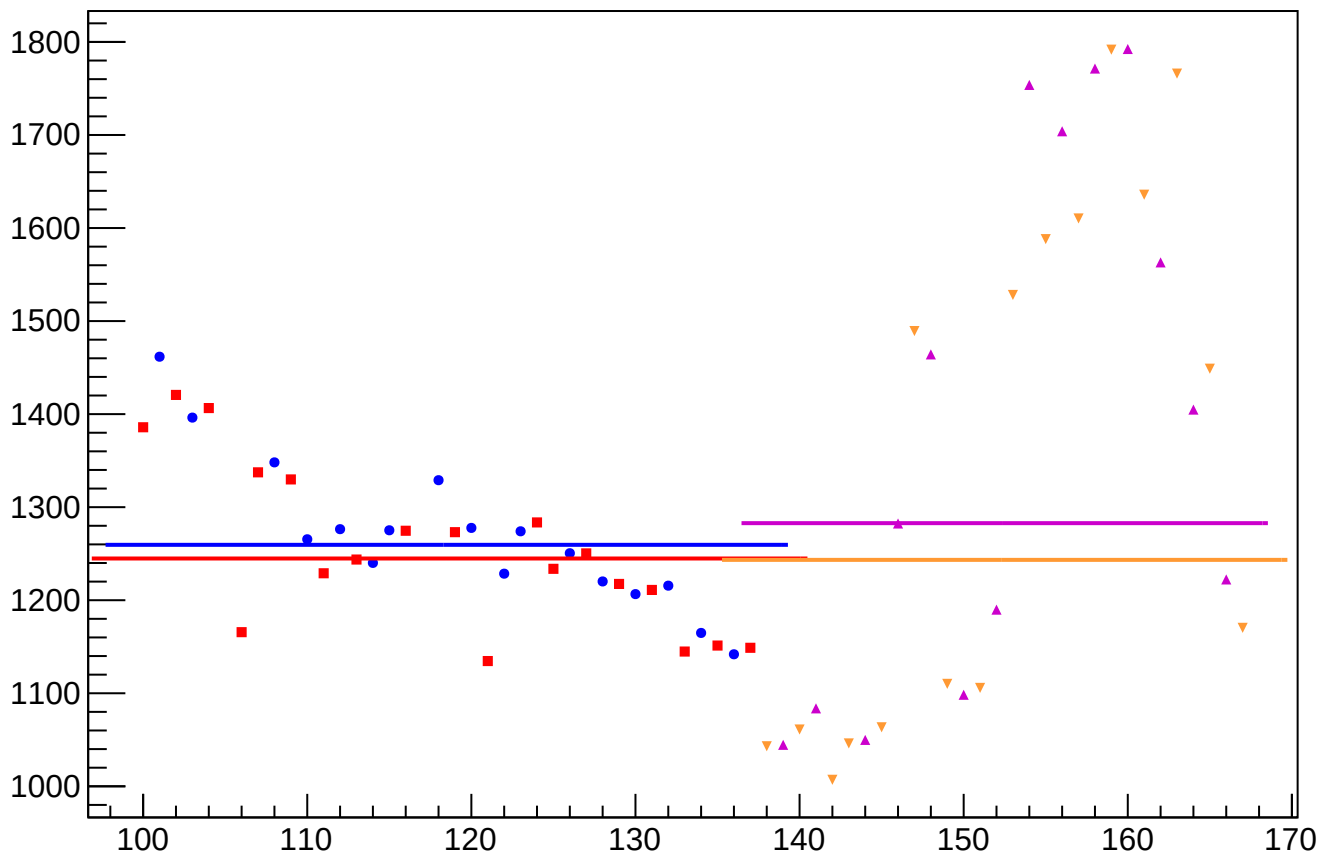
Left In: -0.705 ± 0.400 χ^2/NDF : 21.6/13

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

All: 0.065 ± 0.211 χ^2/NDF : 1122.5/65

- sign 2.193 ± 0.304 χ^2/NDF : 423.4/32

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1243.366 $\pm$ 0.262 χ^2 /NDF: 936392.1/15

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

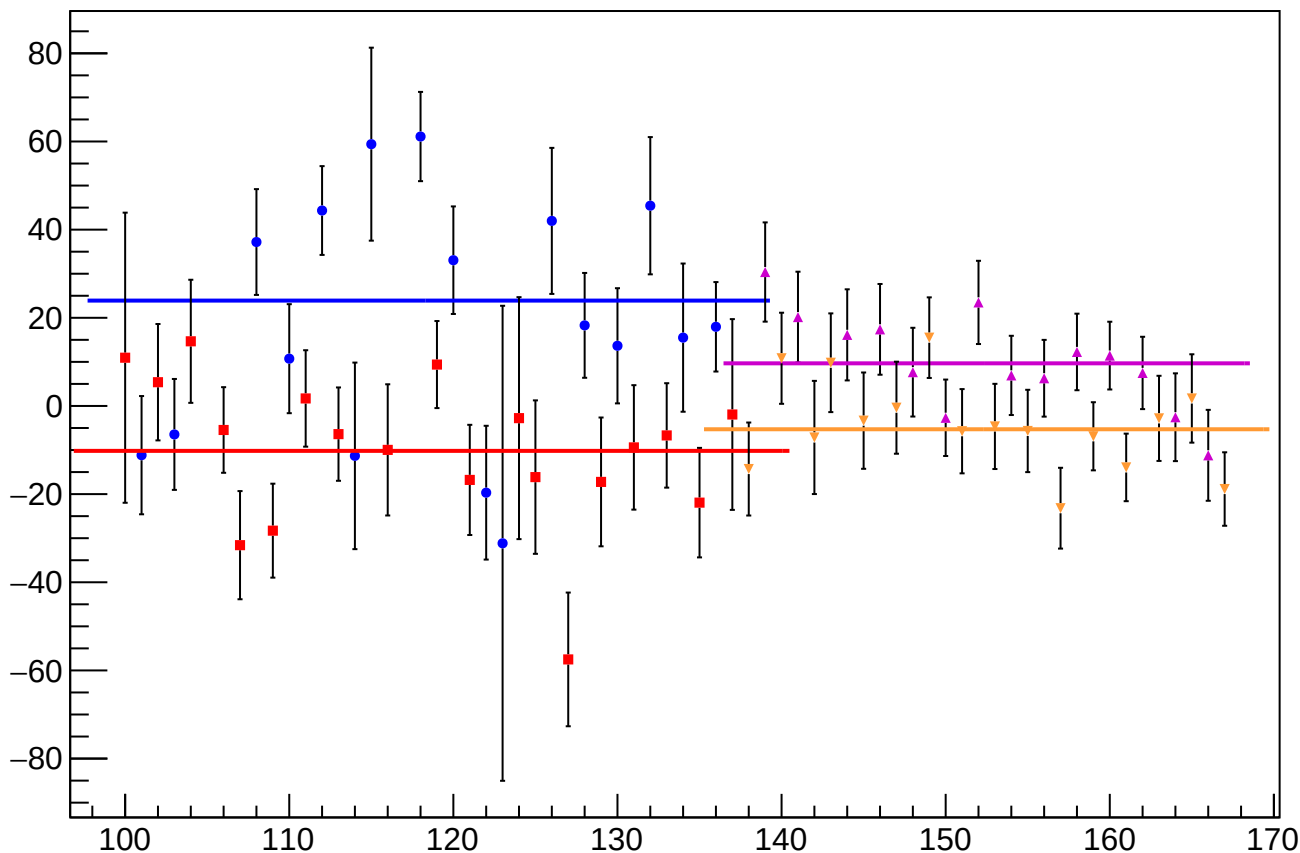
Left In: 1282.824 $\pm$ 0.283 χ^2 /NDF: 817053.1/13

+ sign 1249.297 $\pm$ 0.208 χ^2 /NDF: 1002636.3/32

All: 1257.759 $\pm$ 0.149 χ^2 /NDF: 1897567.1/65

- sign 1266.751 $\pm$ 0.215 χ^2 /NDF: 891524.3/32

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 $\chi^2/\text{NDF}: 27.9/18$

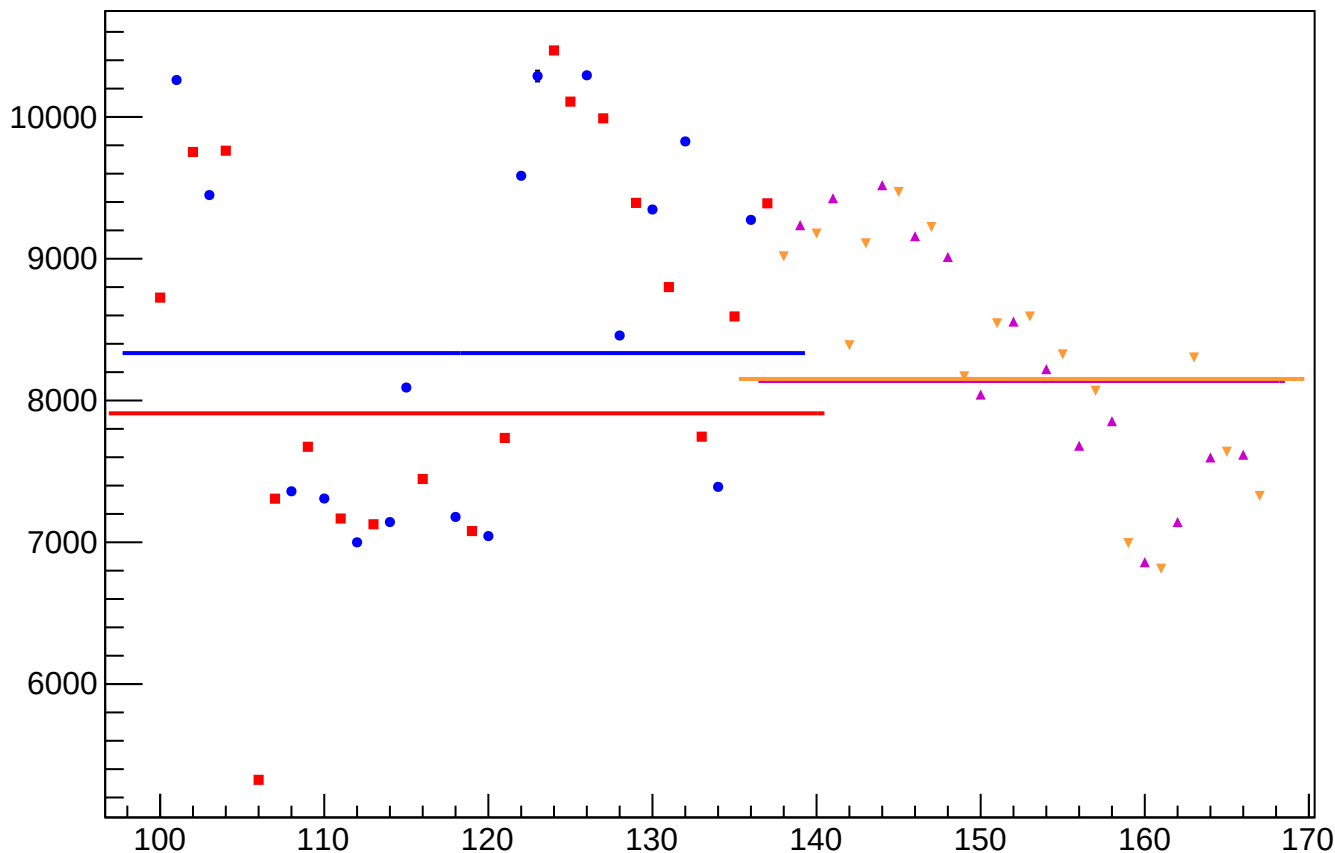
Left In: 9.671 ± 2.495 $\chi^2/\text{NDF}: 15.6/13$

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

All: 3.246 ± 1.359 $\chi^2/\text{NDF}: 194.6/65$

- sign 1.568 ± 1.920 $\chi^2/\text{NDF}: 69.4/32$

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

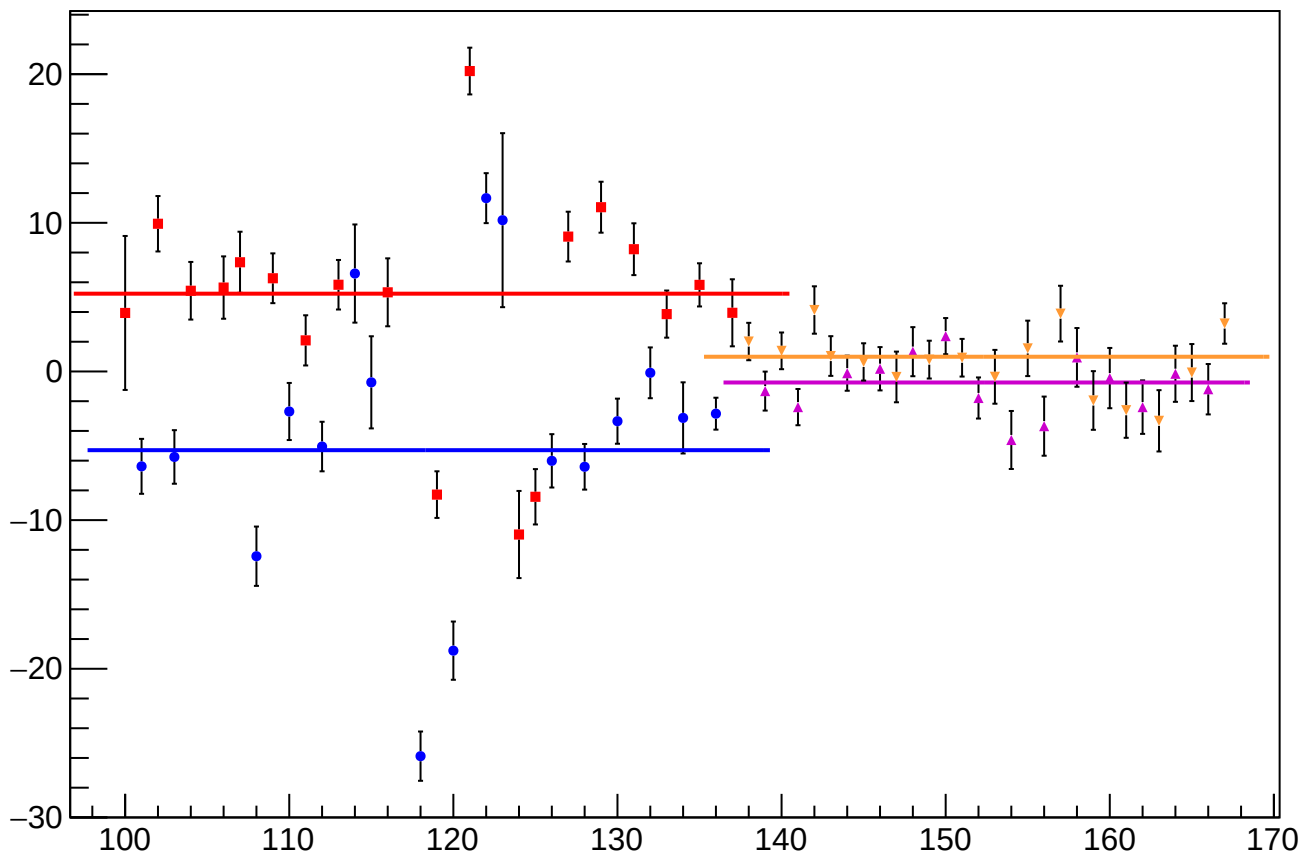
Left In: 8137.658 $\pm$ 1.764 χ^2 /NDF: 228521.9/13

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

All: 8130.156 $\pm$ 0.961 χ^2 /NDF: 1148755.0/65

- sign 8044.616 $\pm$ 1.358 χ^2 /NDF: 626156.8/32

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

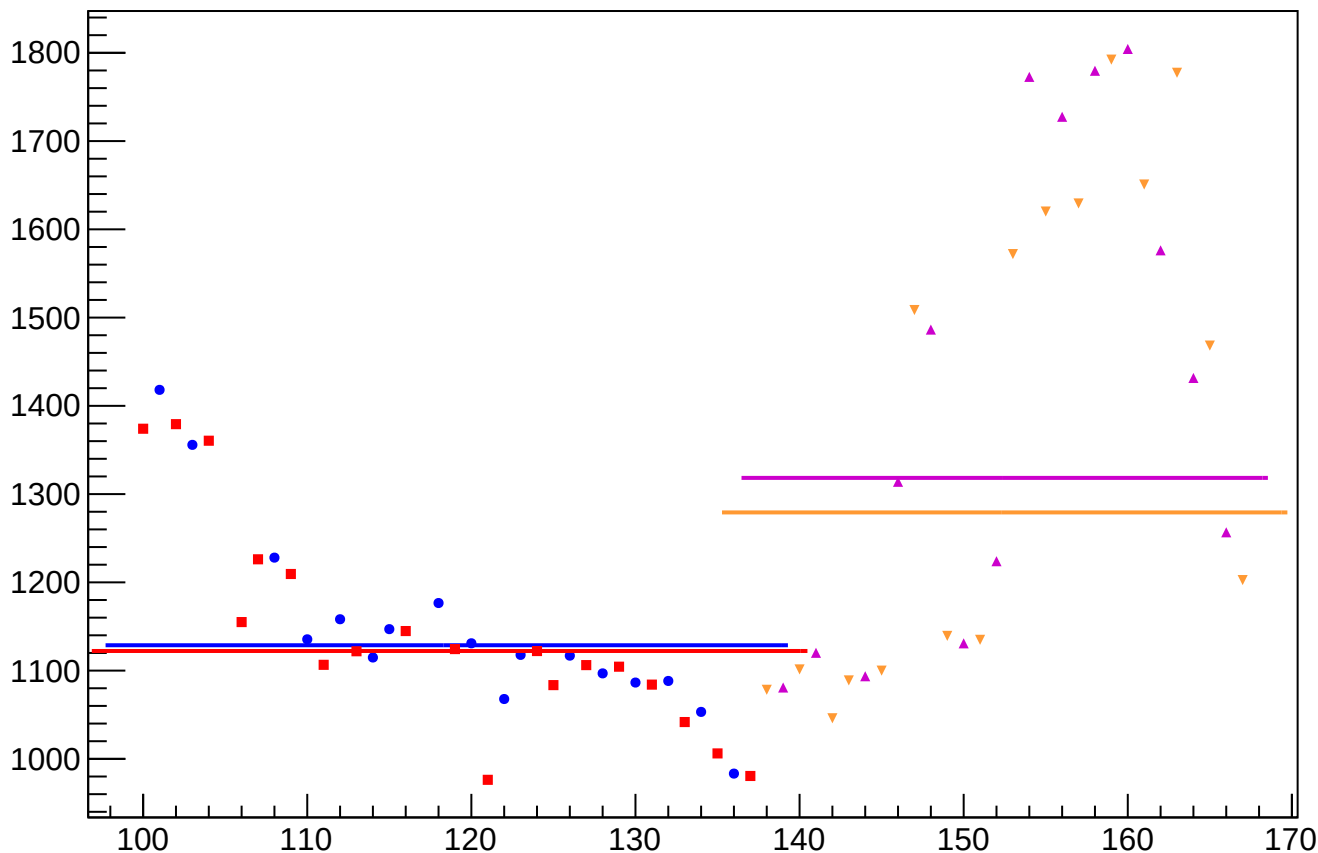
Left In: -0.742 ± 0.410 χ^2/NDF : 19.3/13

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

All: 0.174 ± 0.205 χ^2/NDF : 991.4/65

- sign 2.159 ± 0.294 χ^2/NDF : 404.5/32

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

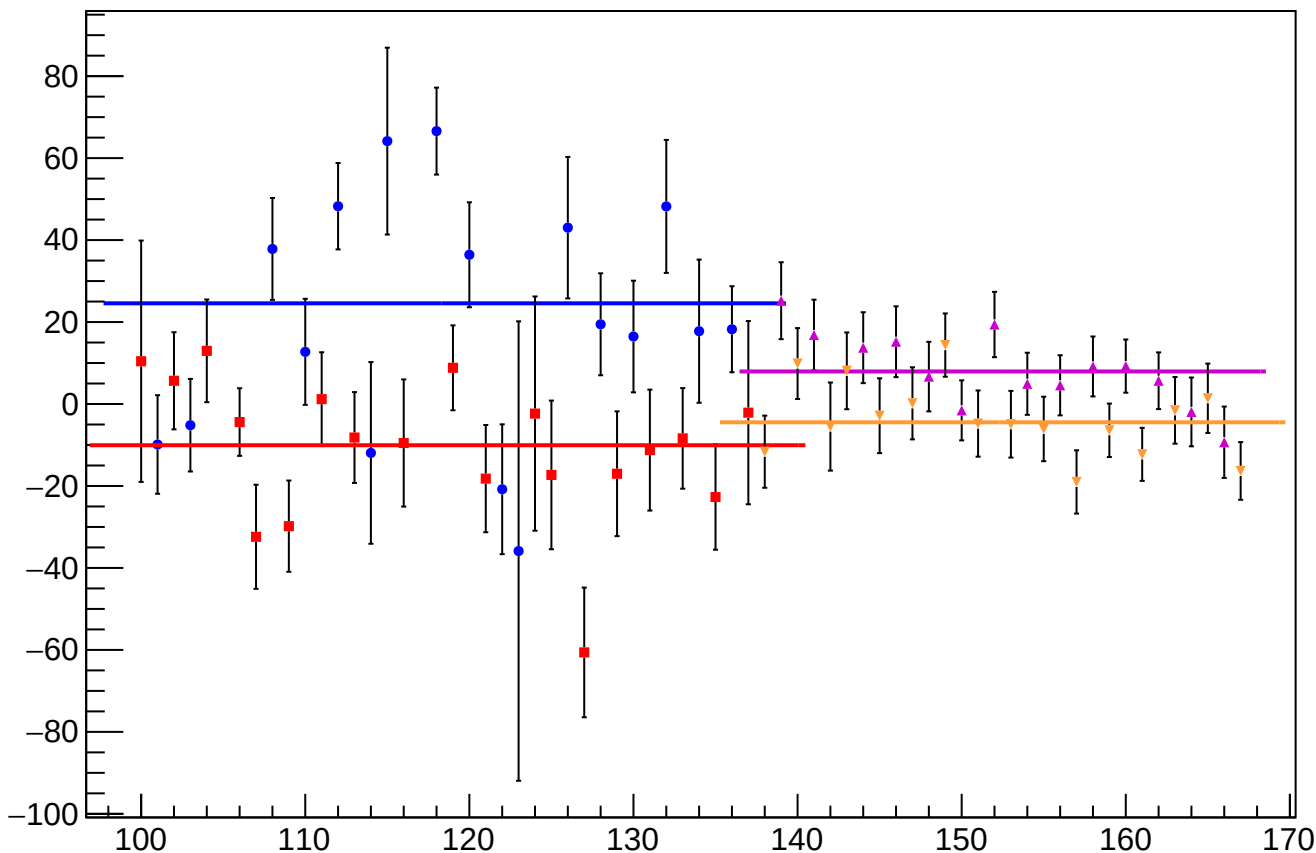
Left In: 1318.367 $\pm$ 0.290 χ^2 /NDF: 736400.6/13

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

All: 1218.696 $\pm$ 0.145 χ^2 /NDF: 2207722.4/65

- sign 1223.147 $\pm$ 0.208 χ^2 /NDF: 1088636.2/32

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 $\chi^2/\text{NDF}: 28.8/18$

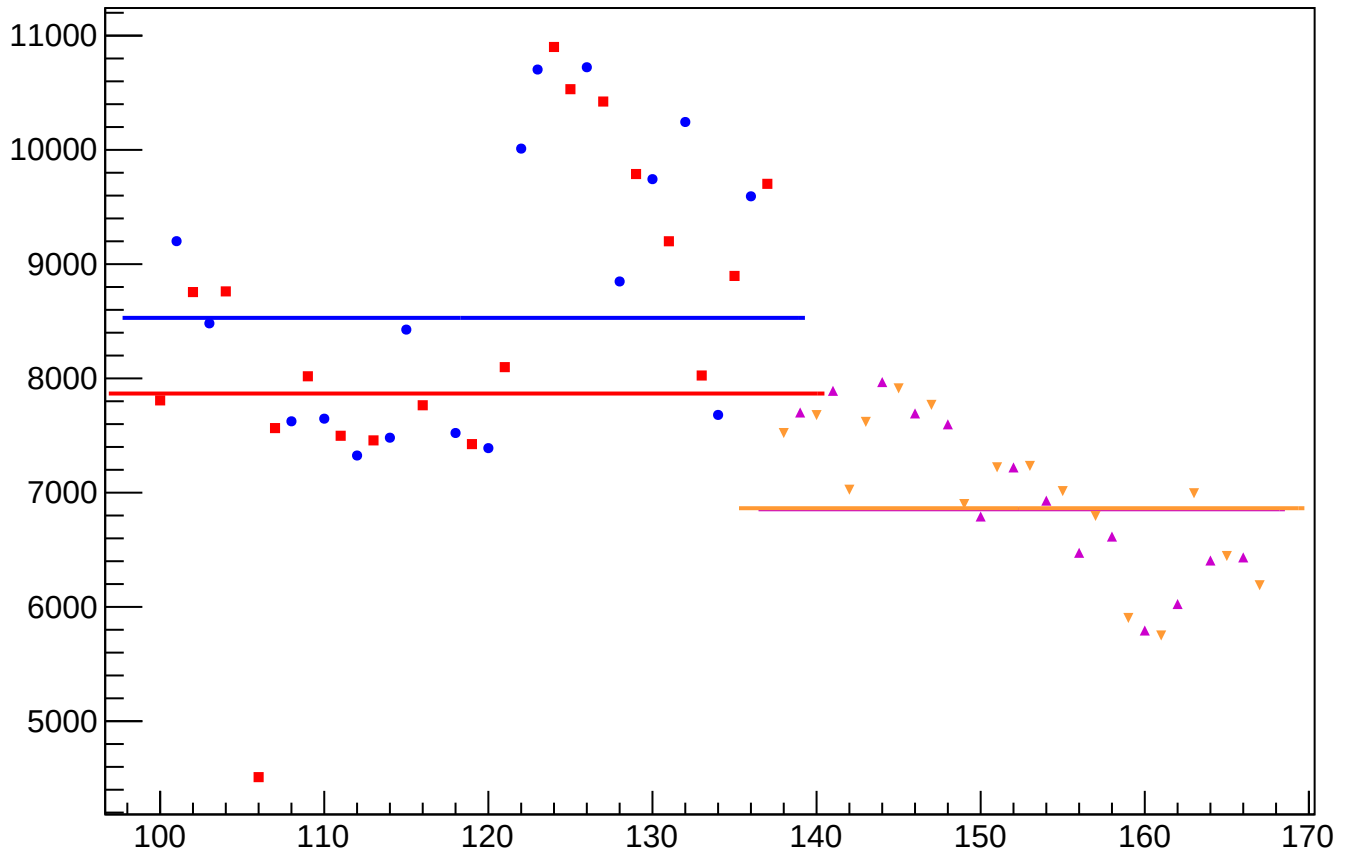
Left In: 7.944 ± 2.101 $\chi^2/\text{NDF}: 15.2/13$

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

All: 2.680 ± 1.216 $\chi^2/\text{NDF}: 202.6/65$

- sign 2.041 ± 1.722 $\chi^2/\text{NDF}: 68.1/32$

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

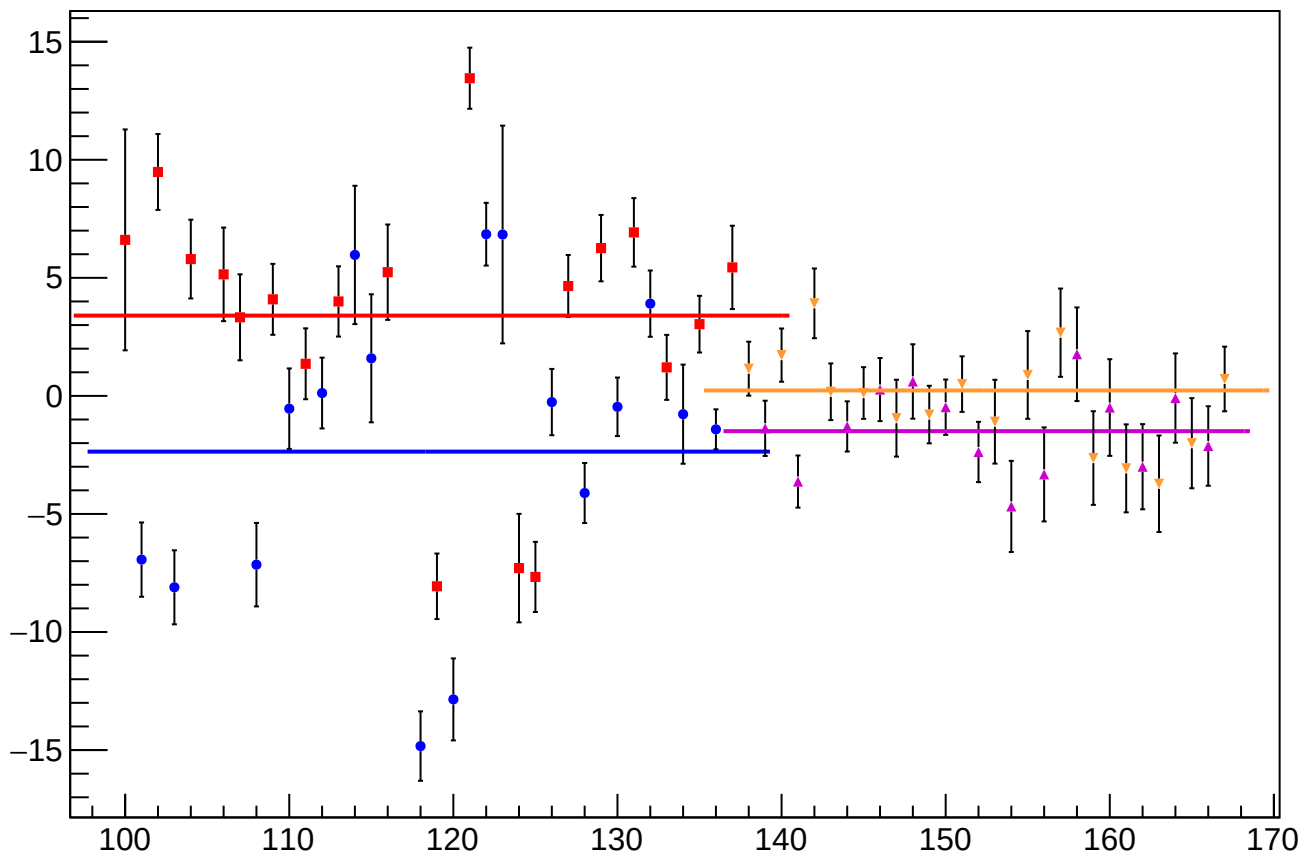
Left In: 6854.536+/-1.486 χ^2/NDF : 217215.8/13

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

All: 7248.634+/-0.860 χ^2/NDF : 1733553.8/65

- sign 7186.758+/-1.218 χ^2/NDF : 925548.1/32

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

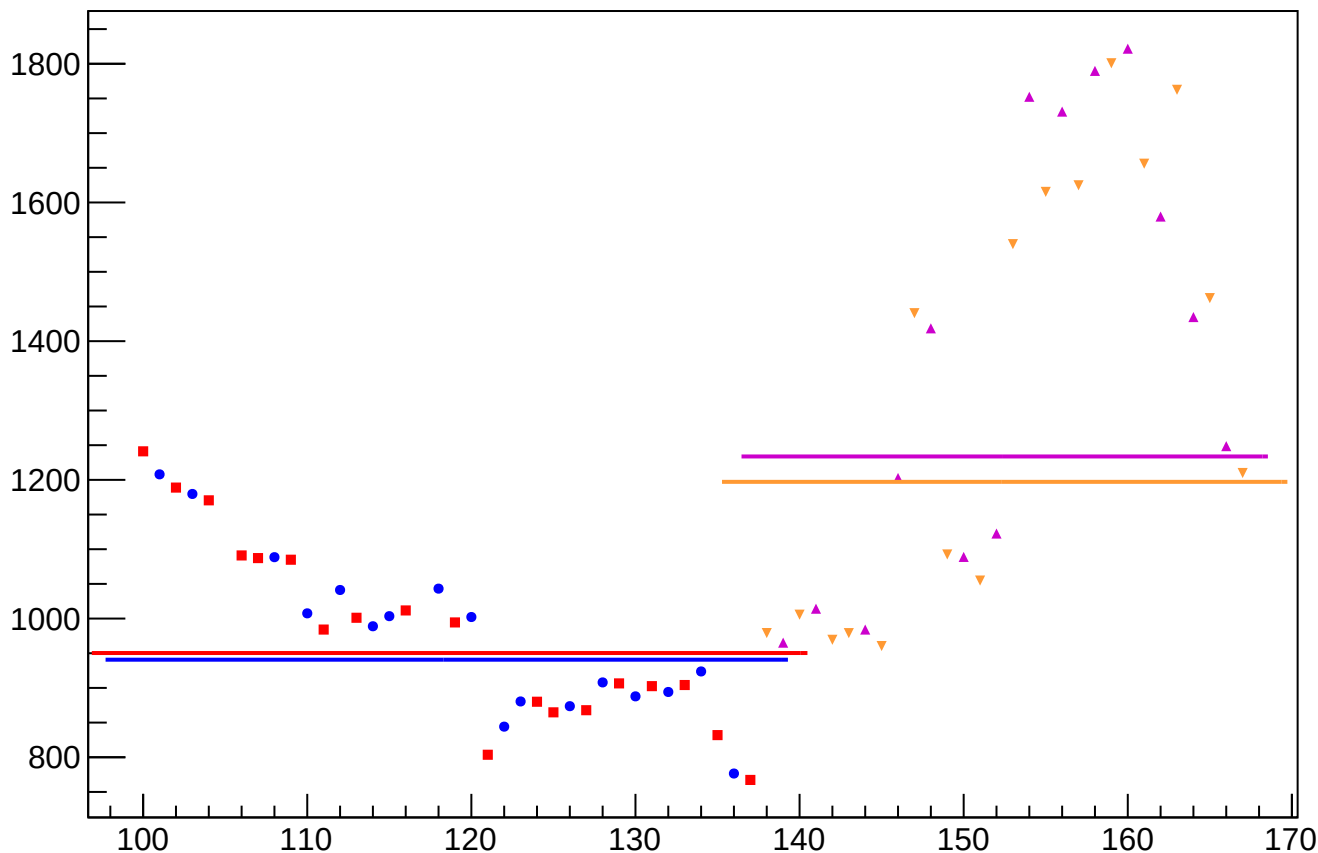
Left In: -1.493 ± 0.386 χ^2/NDF : 16.4/13

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

All: 0.022 ± 0.183 χ^2/NDF : 659.8/65

- sign 1.140 ± 0.263 χ^2/NDF : 344.1/32

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

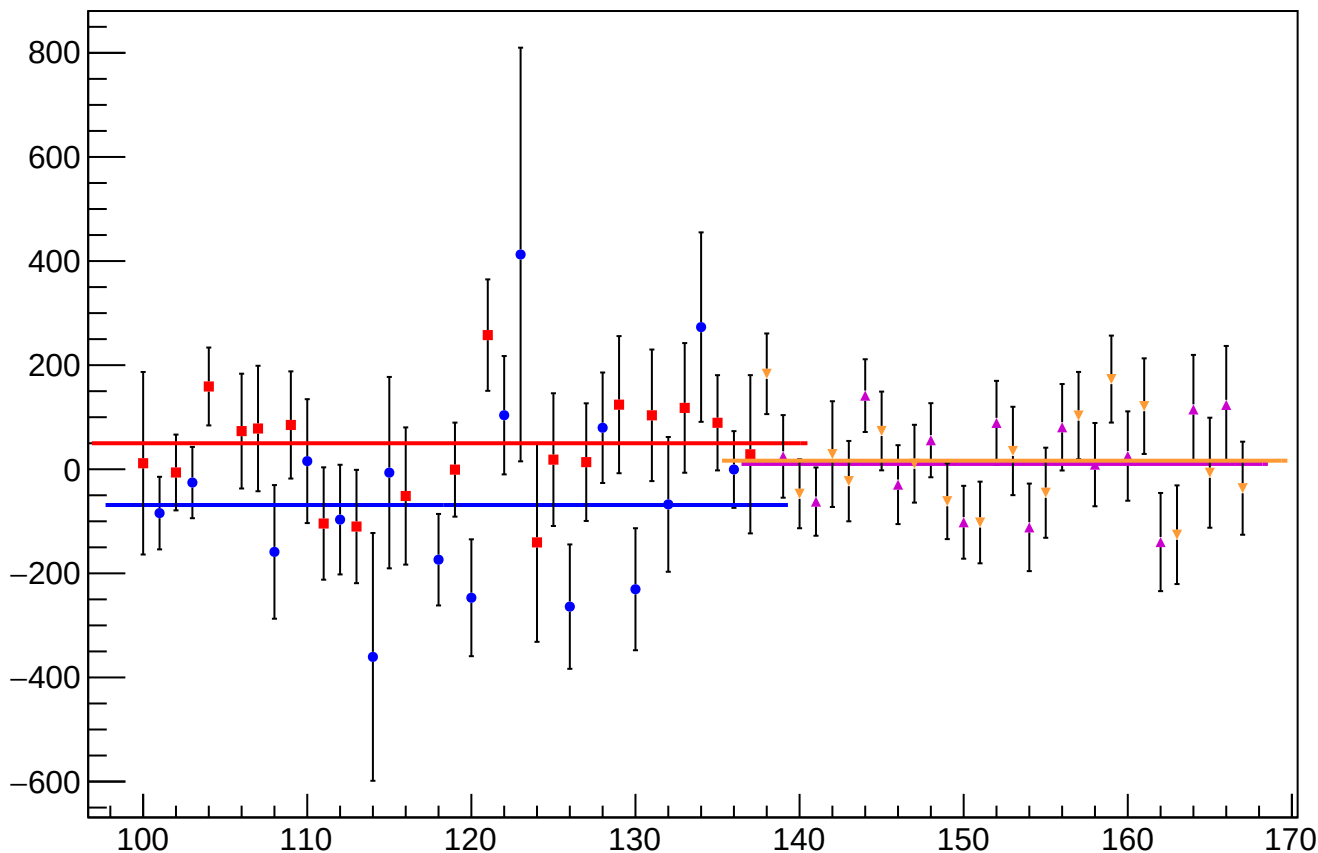
Left In: 1233.747+/-0.273 χ^2/NDF :1056757.4/13

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

All: 1076.279+/-0.130 χ^2/NDF : 3806618.6/65

- sign 1081.282+/-0.186 χ^2/NDF : 1856054.8/32

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

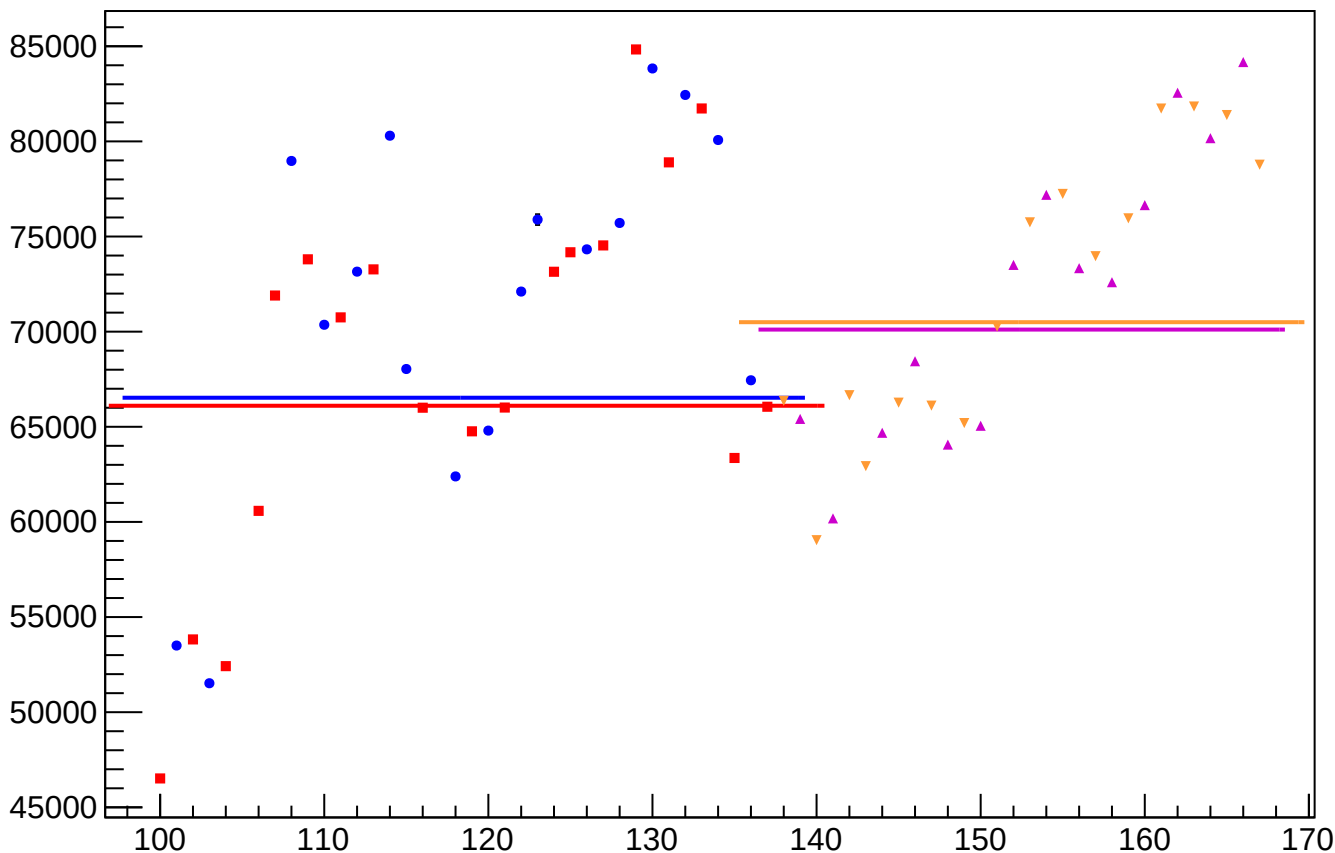
Left In: 10.211 ± 21.396 χ^2/NDF : 16.4/13

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

All: 5.113 ± 11.445 χ^2/NDF : 82.7/65

- sign 27.000 ± 16.261 χ^2/NDF : 31.8/32

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

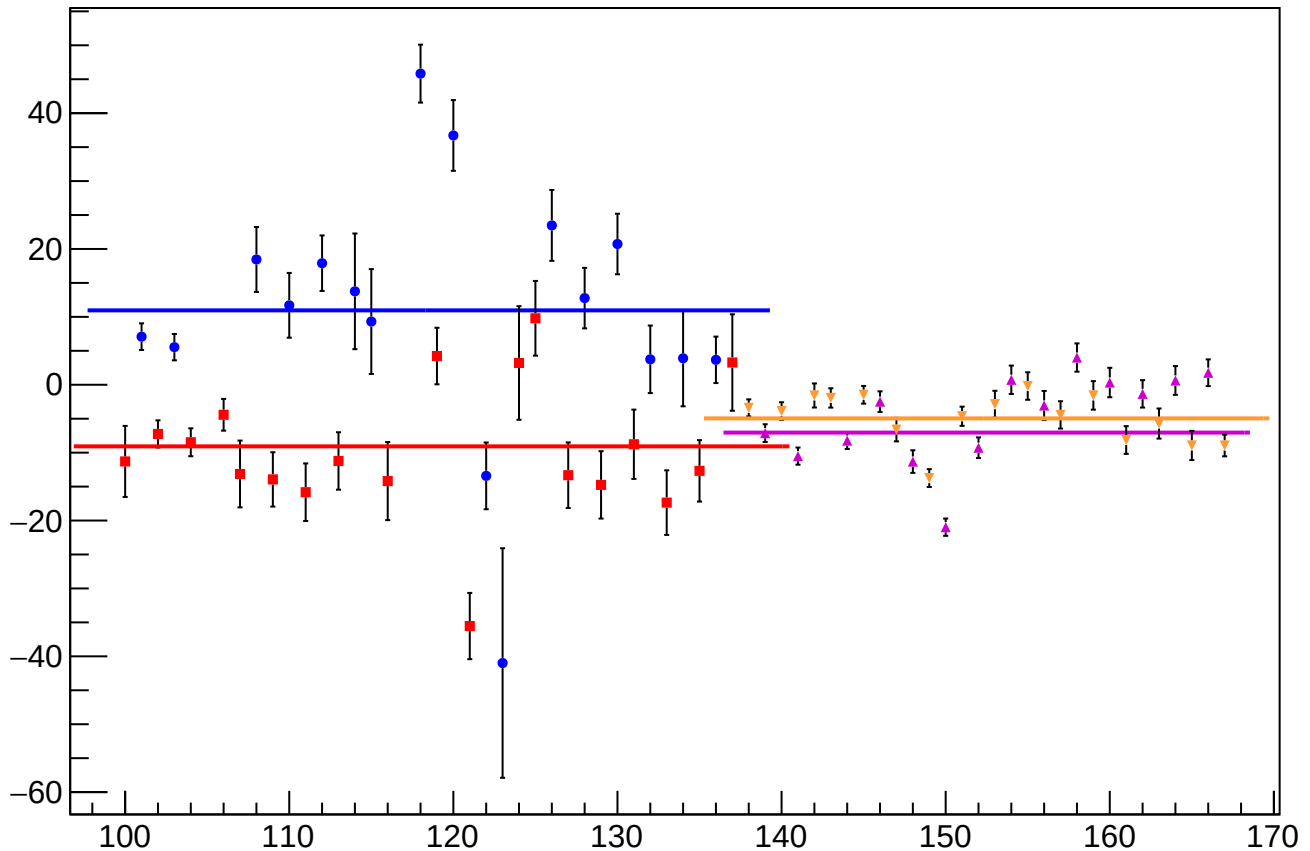
Left In: 70108.942+/-15.129 χ^2/NDF : 209057.6/13

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

All: 68694.825+/-8.093 χ^2/NDF : 1127943.1/6

- sign 68418.036+/-11.498 χ^2/NDF : 537115.5/32

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

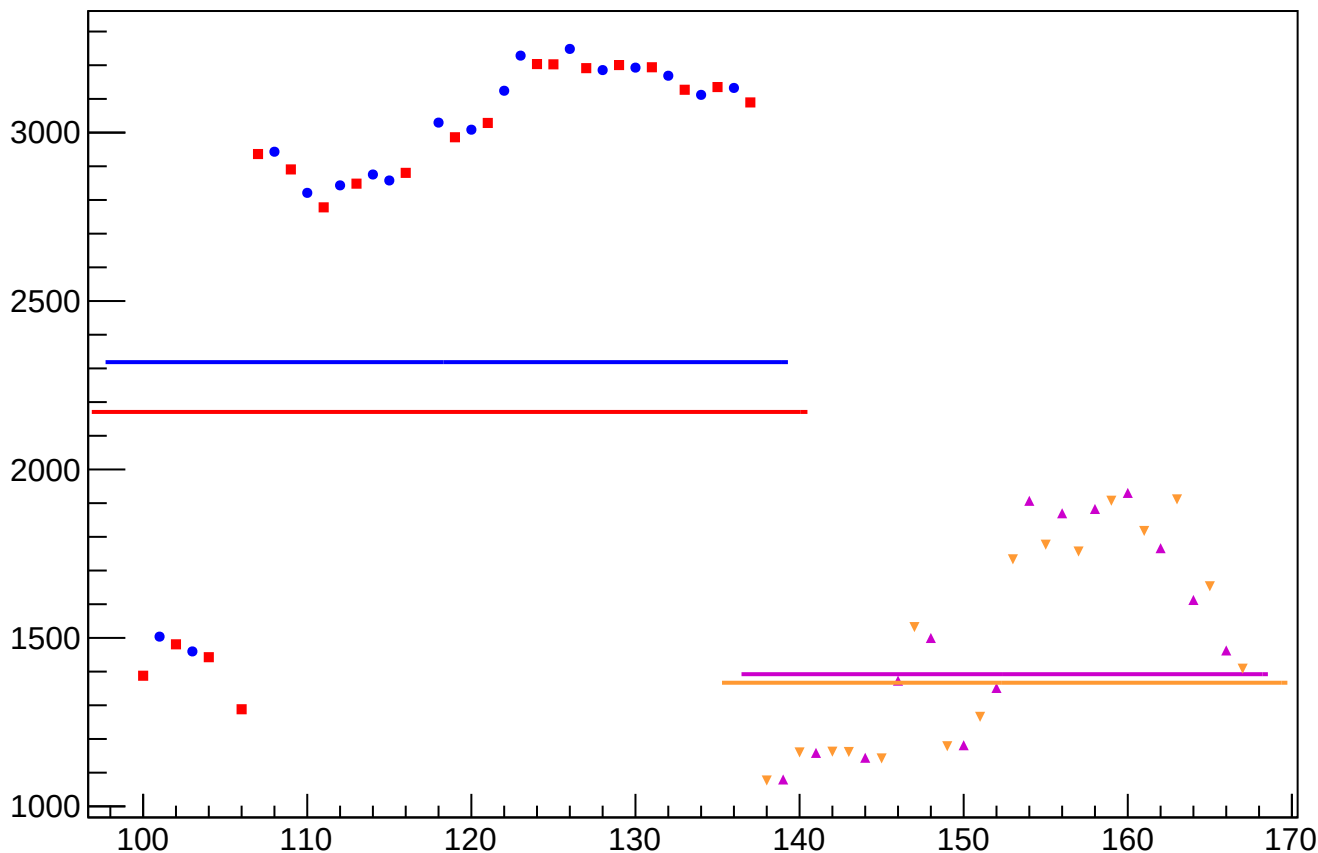
Left In: -7.045 ± 0.433 χ^2/NDF : 244.6/13

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

All: -4.863 ± 0.269 χ^2/NDF : 893.7/65

- sign -7.450 ± 0.387 χ^2/NDF : 322.1/32

diff_bpm0r03Y_rms vs Slug



Right In: 2318.624+/-0.667 χ^2/NDF : 1408300.4/16

Left Out: 1366.947+/-0.287 χ^2/NDF : 967536.6/15

Right Out: 2170.786+/-0.613 χ^2/NDF : 1753687.8/18

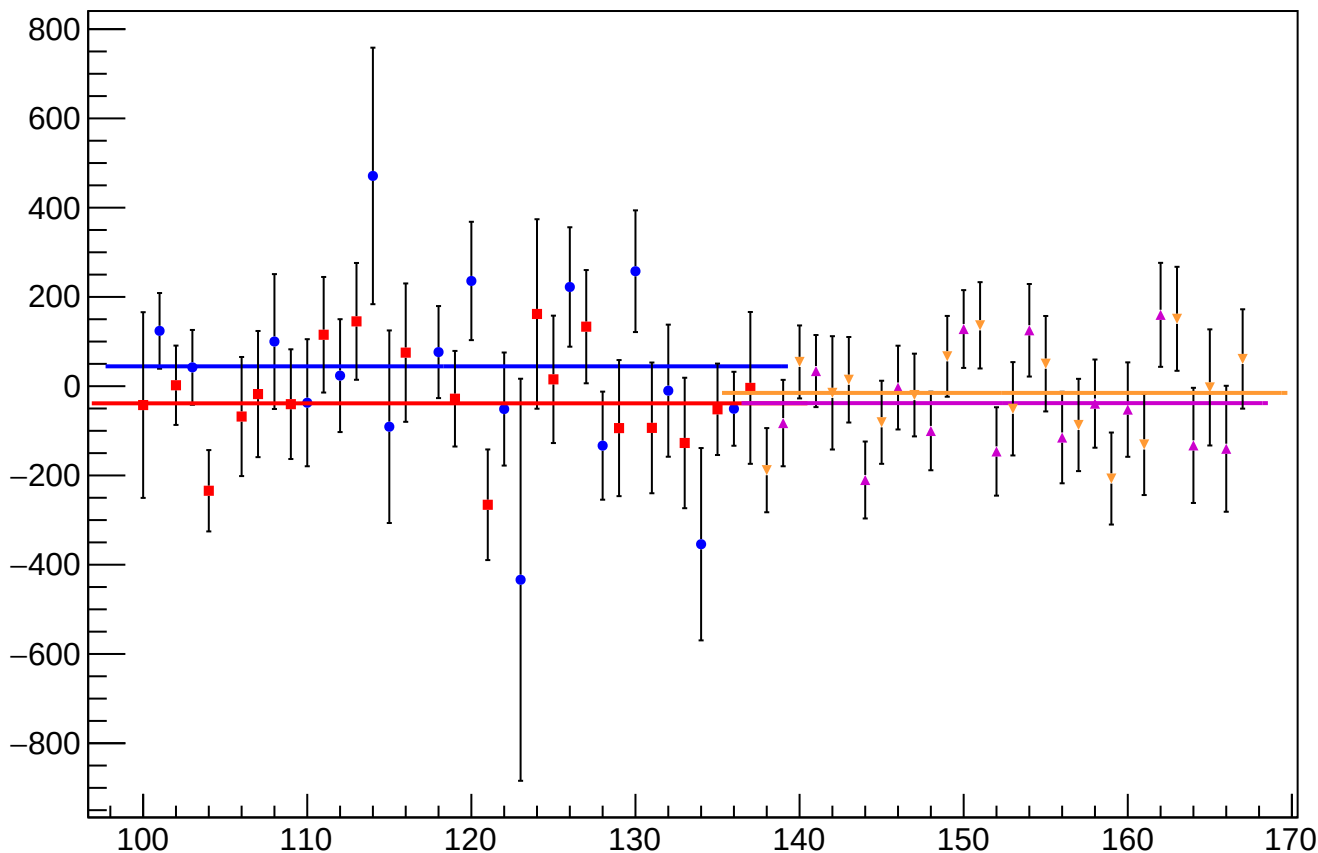
Left In: 1392.307+/-0.306 χ^2/NDF : 876545.5/13

+ sign 1515.760+/-0.264 χ^2/NDF : 4093626.3/32

All: 1531.285+/-0.190 χ^2/NDF : 8022901.0/65

- sign 1548.043+/-0.274 χ^2/NDF : 3922068.6/32

diff_bpm0r05X_mean vs Slug



Right In: 44.484 ± 30.432 $\chi^2/\text{NDF}: 19.1/16$

Left Out: -15.065 ± 25.386 $\chi^2/\text{NDF}: 15.9/15$

Right Out: -38.425 ± 29.435 $\chi^2/\text{NDF}: 15.7/18$

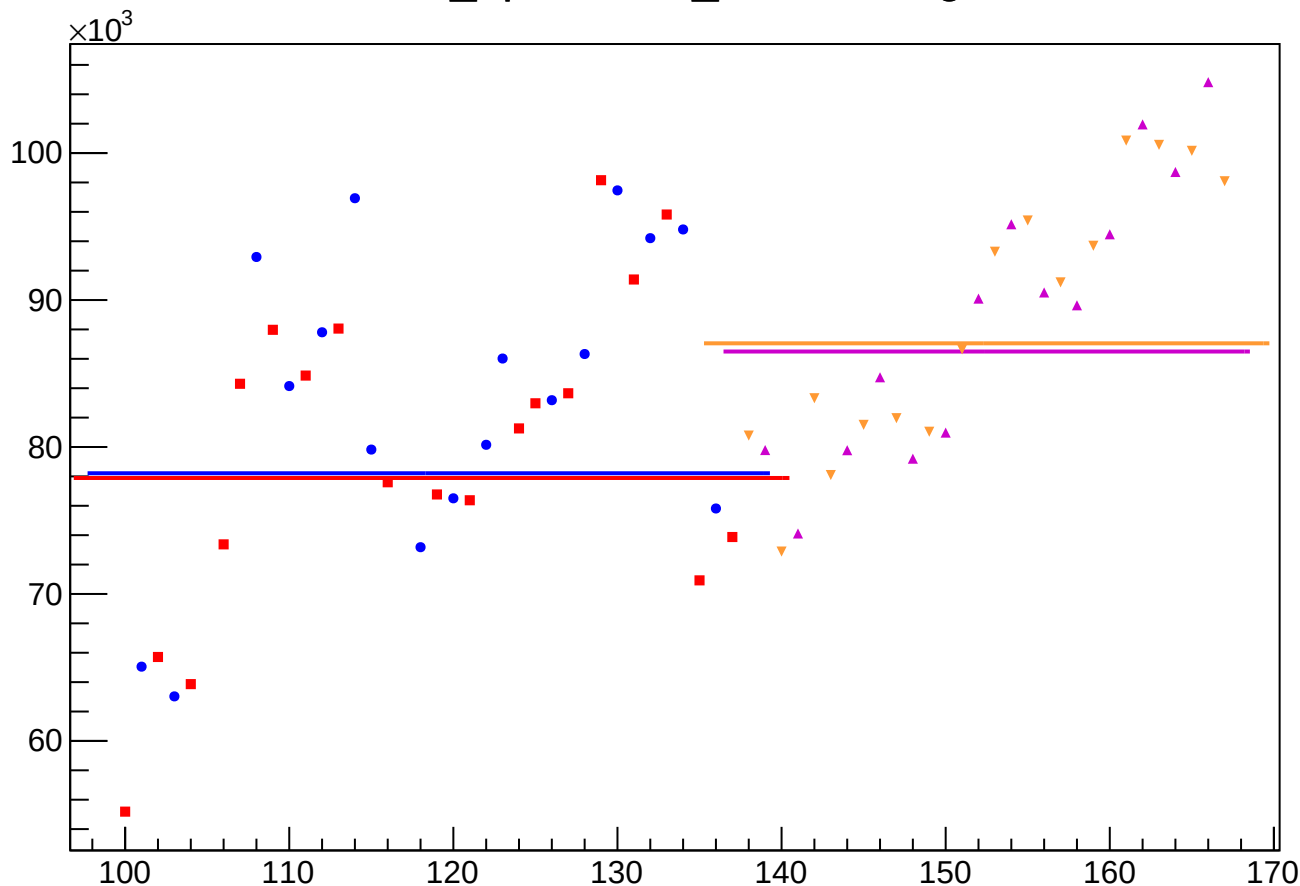
Left In: -37.964 ± 26.402 $\chi^2/\text{NDF}: 17.5/13$

+ sign 9.370 ± 19.494 $\chi^2/\text{NDF}: 37.3/32$

All: -14.205 ± 13.841 $\chi^2/\text{NDF}: 73.5/65$

- sign -38.170 ± 19.654 $\chi^2/\text{NDF}: 33.2/32$

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

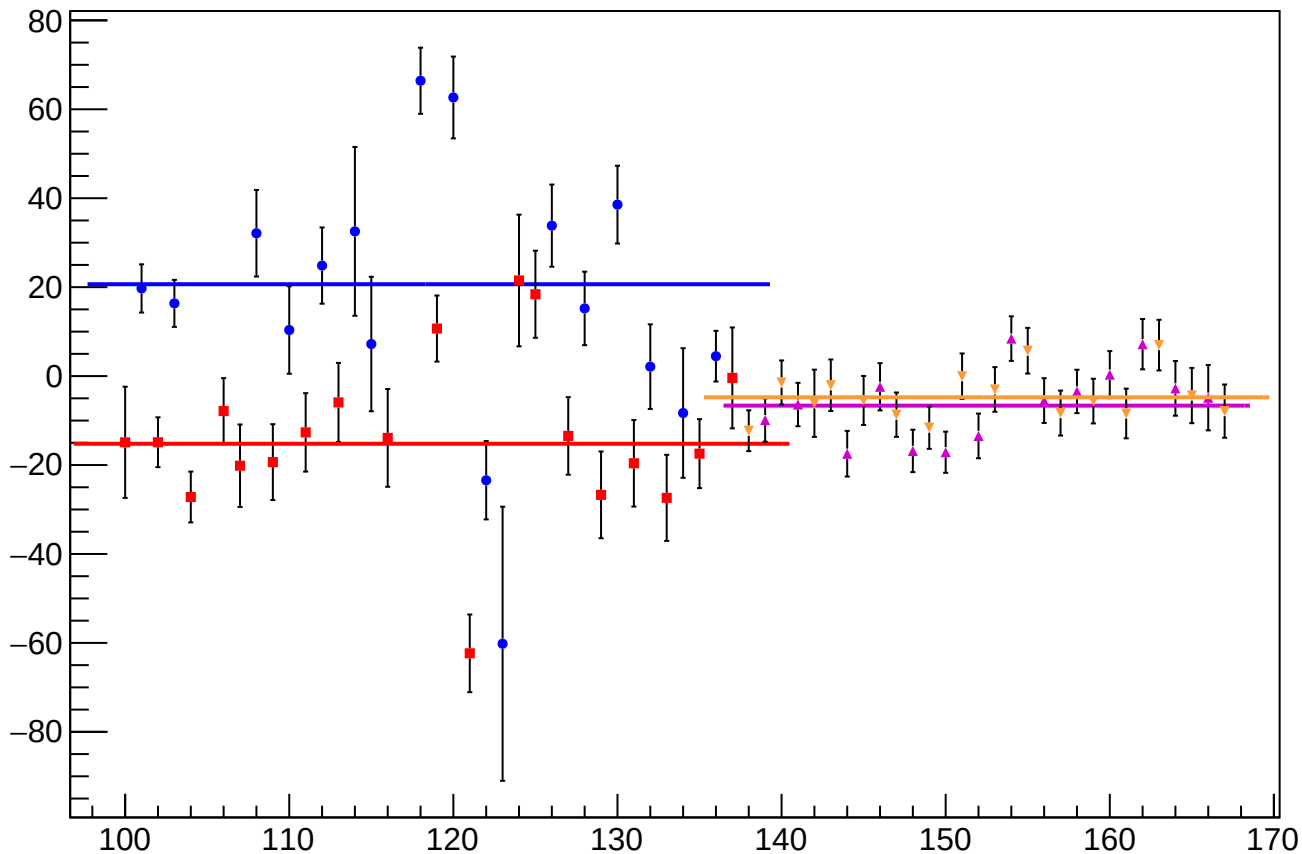
Left In: 86496.582 $\pm$ 18.669 χ^2 /NDF:211096.8/13

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

All: 83046.565 $\pm$ 9.787 χ^2 /NDF: 1142362.6/6

- sign 82660.320 $\pm$ 13.898 χ^2 /NDF: 552779.2/32

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

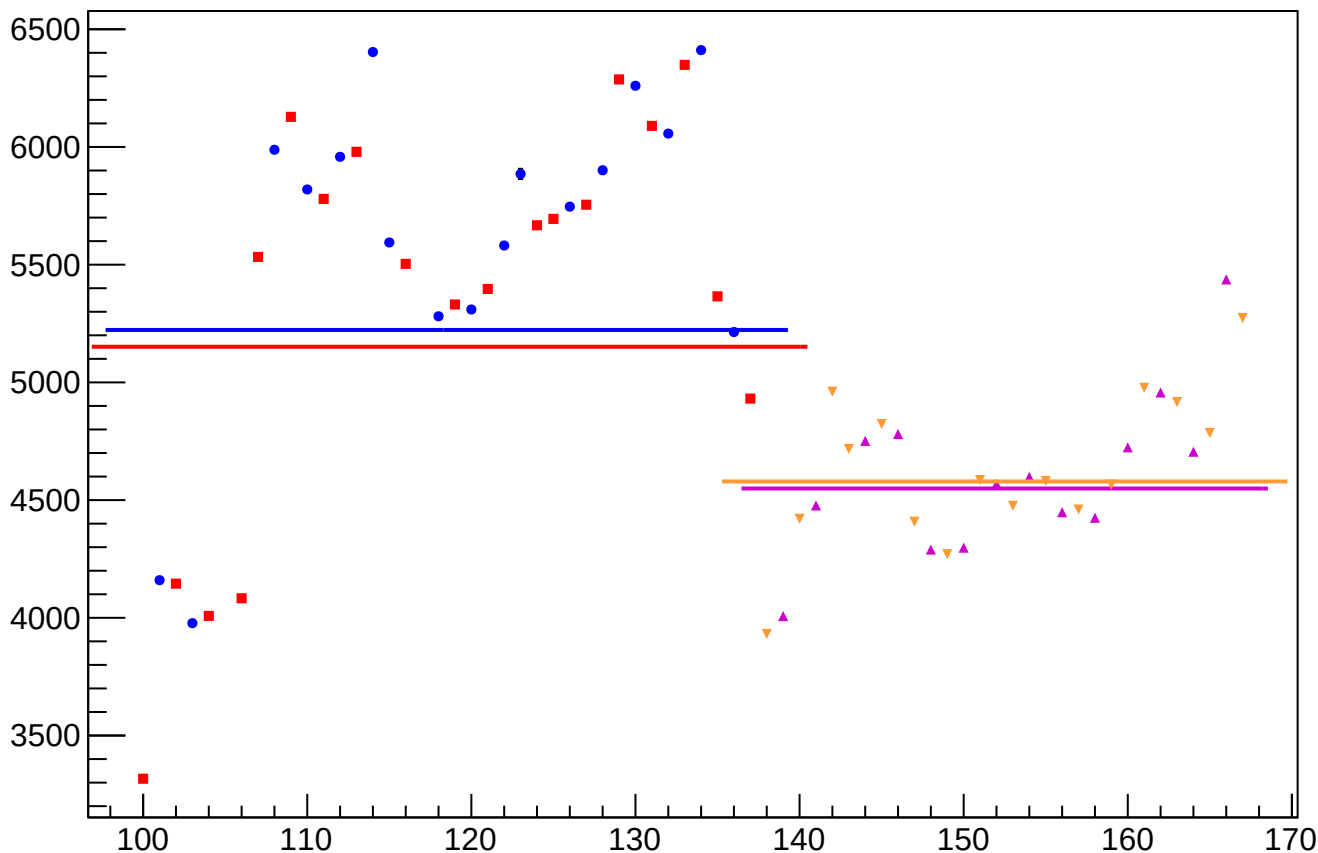
Left In: -6.640 ± 1.385 χ^2/NDF : 34.8/13

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

All: -3.242 ± 0.793 χ^2/NDF : 423.1/65

- sign -9.506 ± 1.130 χ^2/NDF : 118.9/32

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

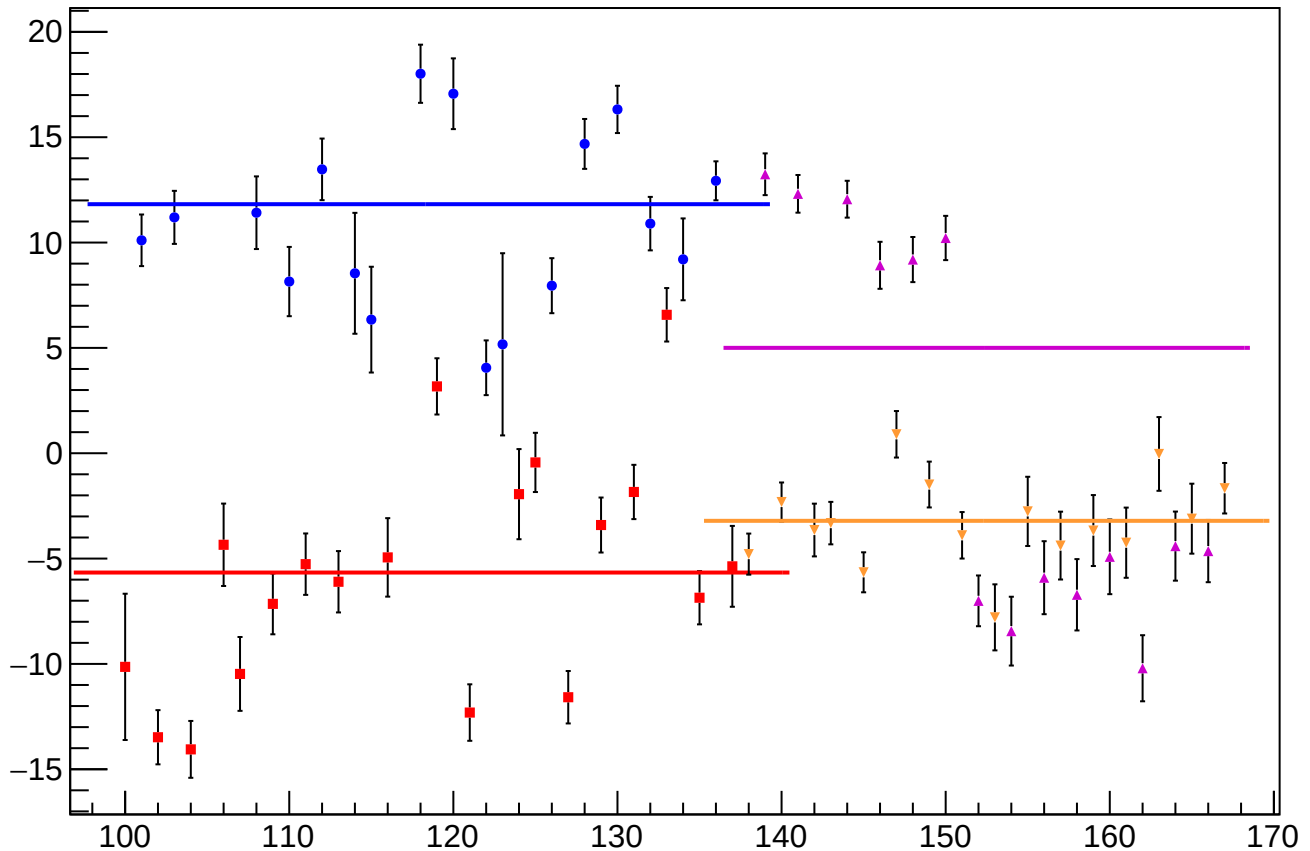
Left In: 4549.283 $\pm$ 0.979 χ^2 /NDF: 89342.8/13

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

All: 4761.455 $\pm$ 0.561 χ^2 /NDF: 1167372.2/65

- sign 4750.596 $\pm$ 0.799 χ^2 /NDF: 603419.6/32

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

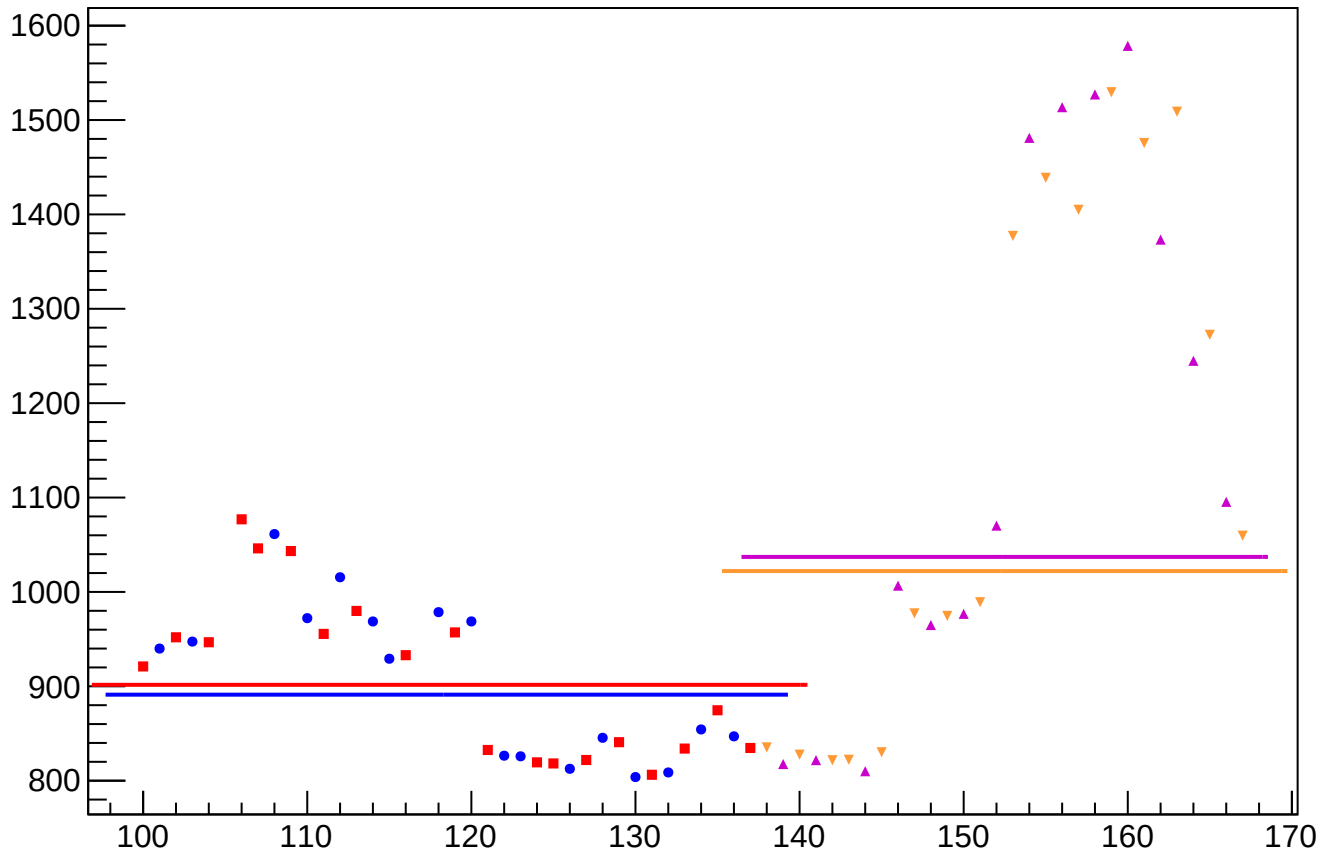
Left In: 5.002 ± 0.325 χ^2/NDF : 709.1/13

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

All: 1.693 ± 0.164 χ^2/NDF : 2865.0/65

- sign -0.116 ± 0.234 χ^2/NDF : 1525.6/32

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 $\chi^2/\text{NDF}: 114590.8/18$

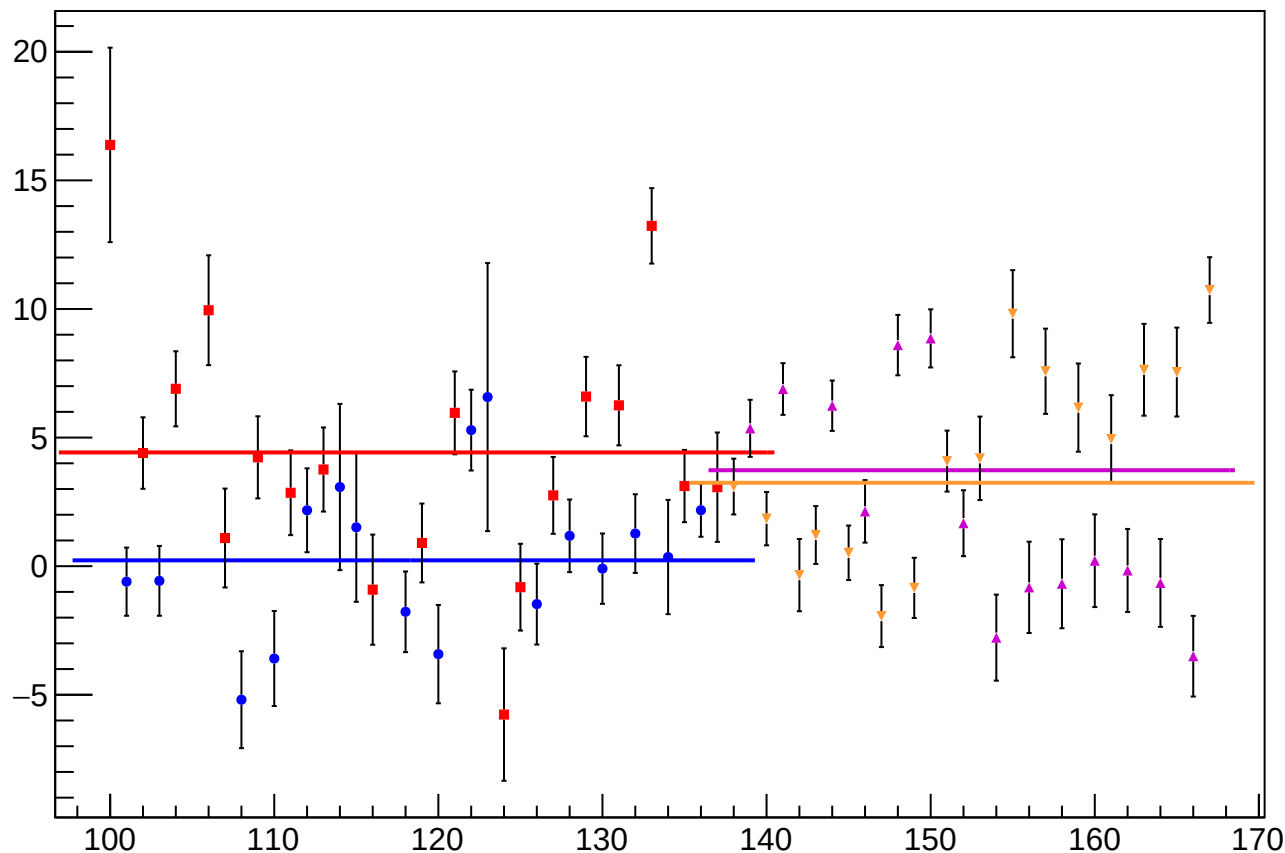
Left In: 1037.108 ± 0.230 $\chi^2/\text{NDF}: 1147944.8/13$

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

All: 968.144 ± 0.116 $\chi^2/\text{NDF}: 2952106.7/65$

- sign 972.072 ± 0.166 $\chi^2/\text{NDF}: 1429295.3/32$

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

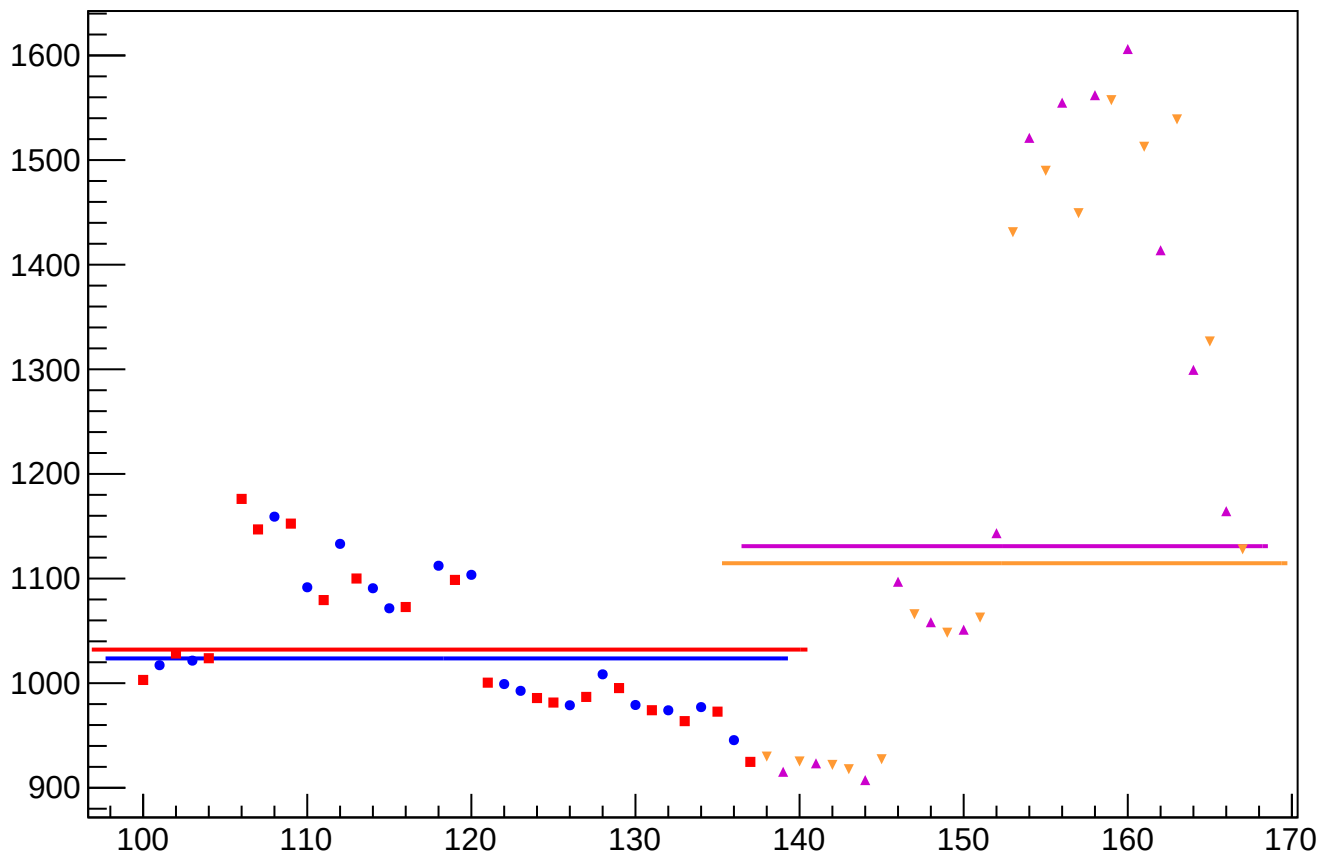
Left In: 3.730 ± 0.352 χ^2/NDF : 126.3/13

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

All: 2.996 ± 0.182 χ^2/NDF : 458.3/65

- sign 4.044 ± 0.260 χ^2/NDF : 231.4/32

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

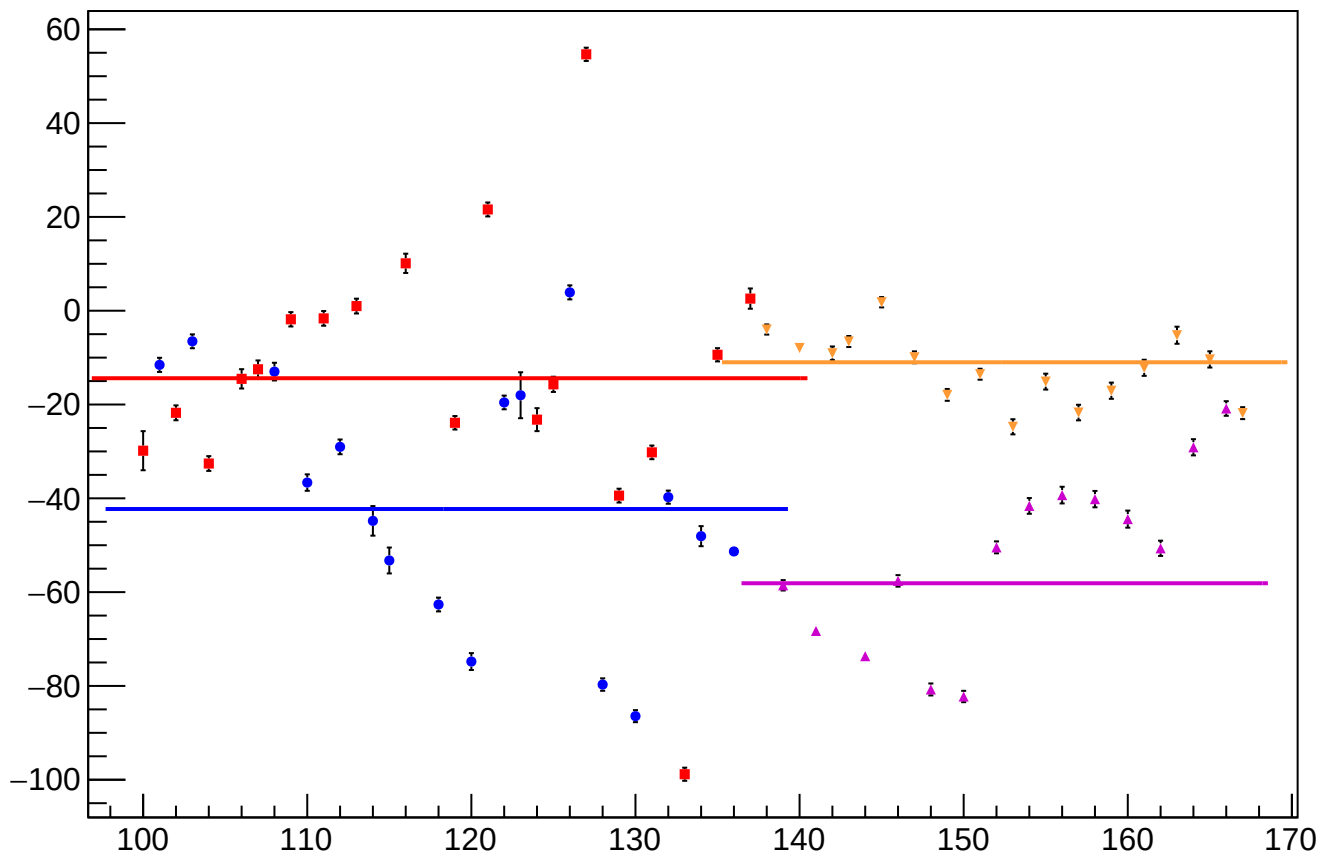
Left In: 1130.951+/-0.249 χ^2/NDF : 852541.8/13

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

All: 1081.562+/-0.128 χ^2/NDF : 2040650.2/65

- sign 1086.219+/-0.184 χ^2/NDF : 983463.2/32

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 $\chi^2/\text{NDF}: 7669.8/18$

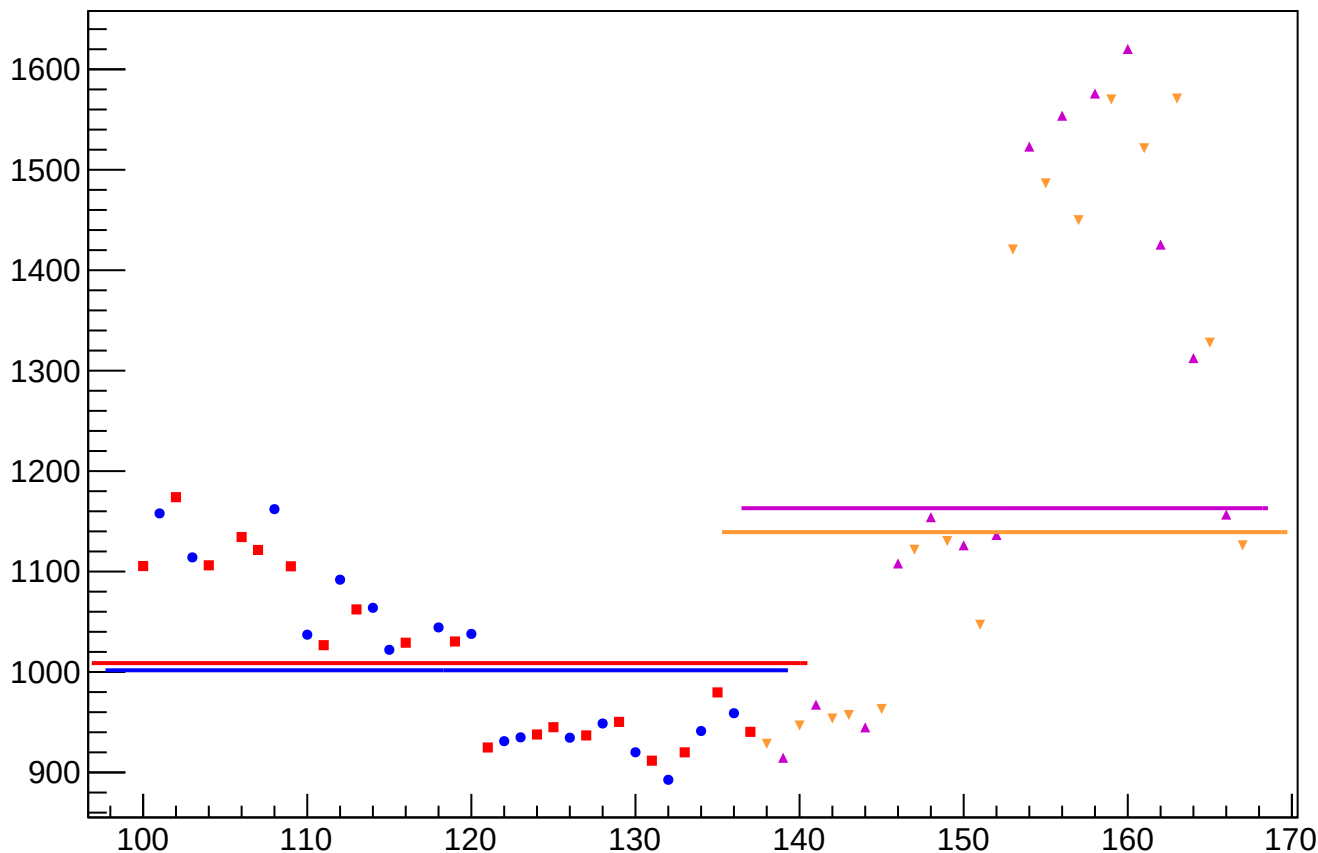
Left In: -58.107 ± 0.361 $\chi^2/\text{NDF}: 2316.7/13$

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

All: -30.727 ± 0.182 $\chi^2/\text{NDF}: 27492.1/65$

- sign -37.285 ± 0.261 $\chi^2/\text{NDF}: 16973.0/32$

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

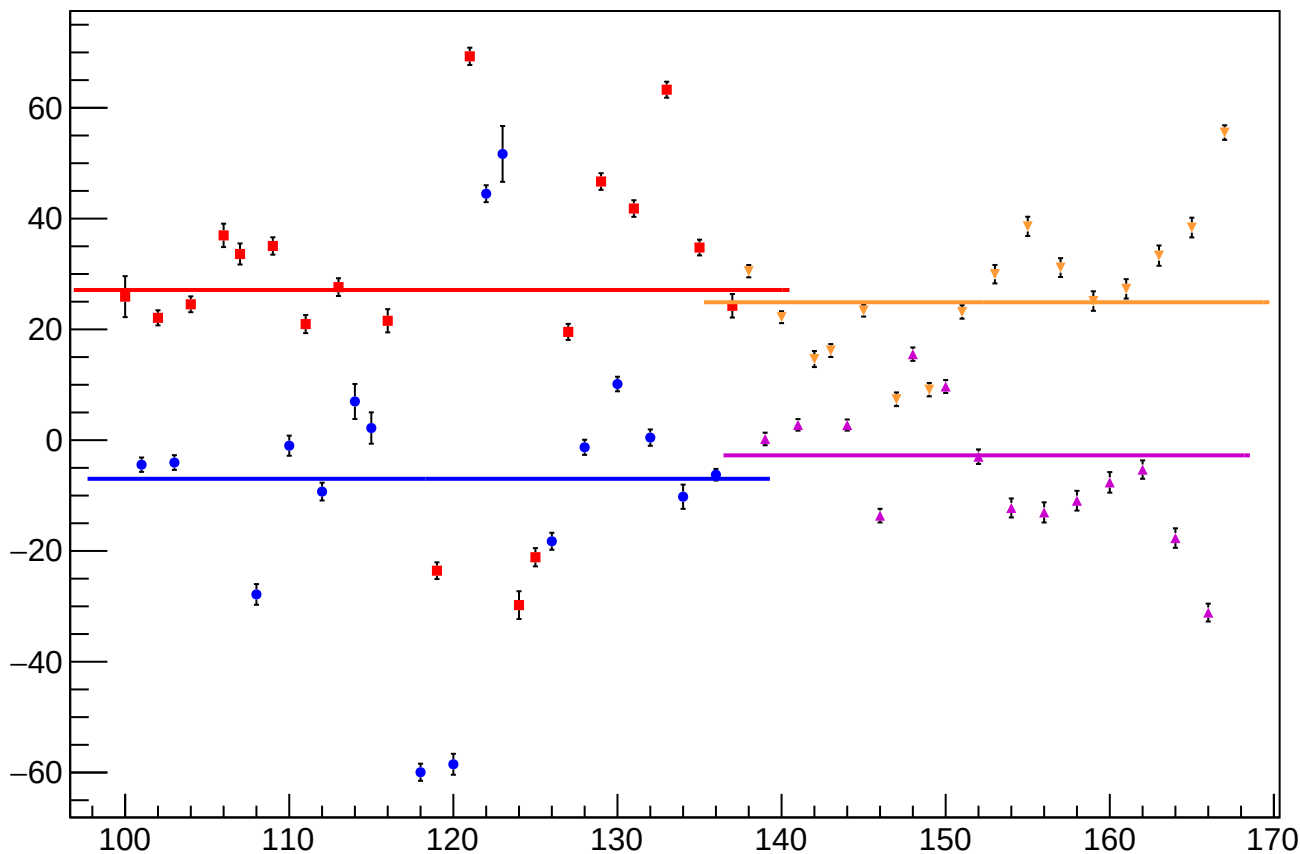
Left In: 1163.066 $\pm$ 0.255 χ^2 /NDF: 762152.2/13

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

All: 1084.591 $\pm$ 0.129 χ^2 /NDF: 2132916.5/65

- sign 1089.608 $\pm$ 0.185 χ^2 /NDF: 1031411.6/32

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

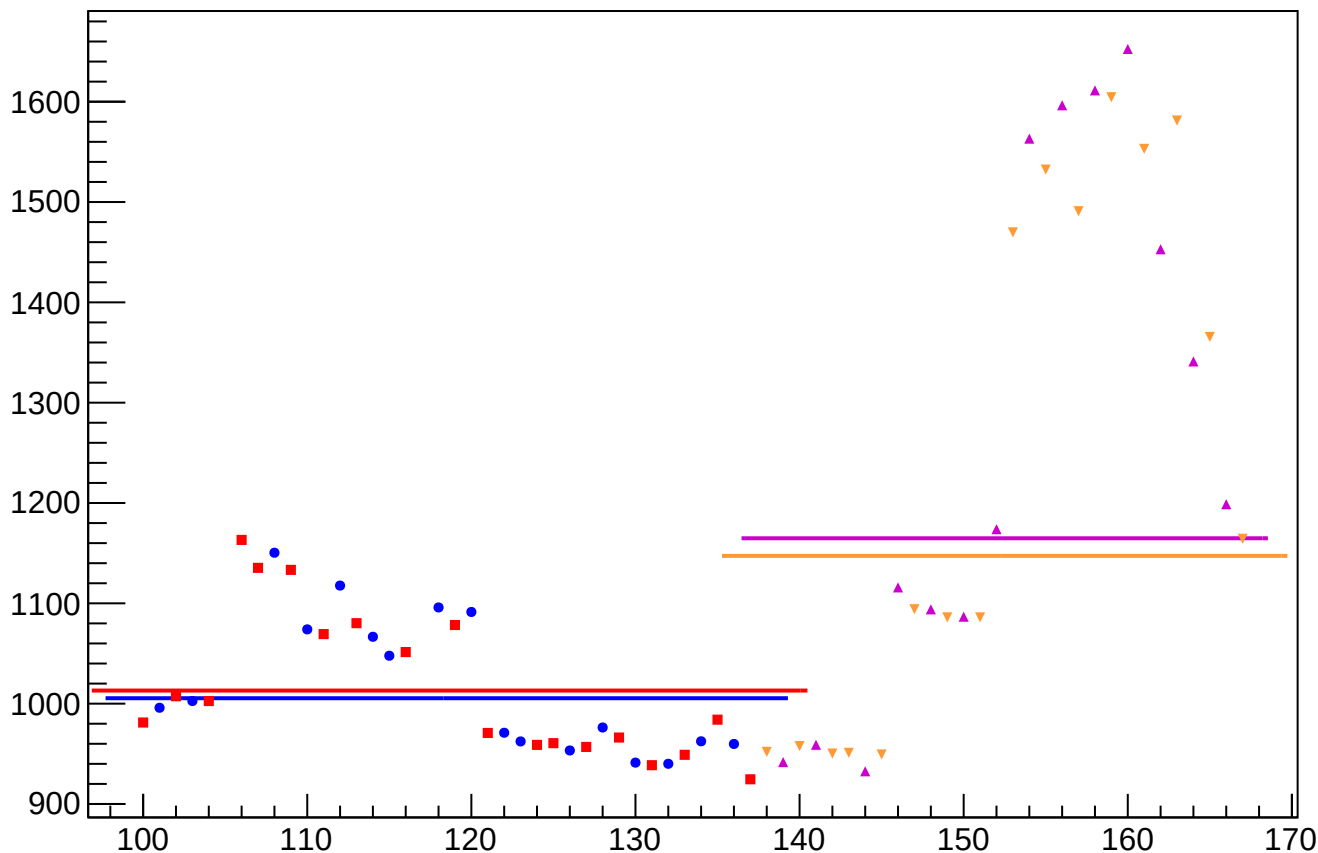
Left In: -2.740 ± 0.362 χ^2/NDF : 954.7/13

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

All: 11.252 ± 0.183 χ^2/NDF : 17148.1/65

- sign 11.481 ± 0.262 χ^2/NDF : 8477.7/32

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

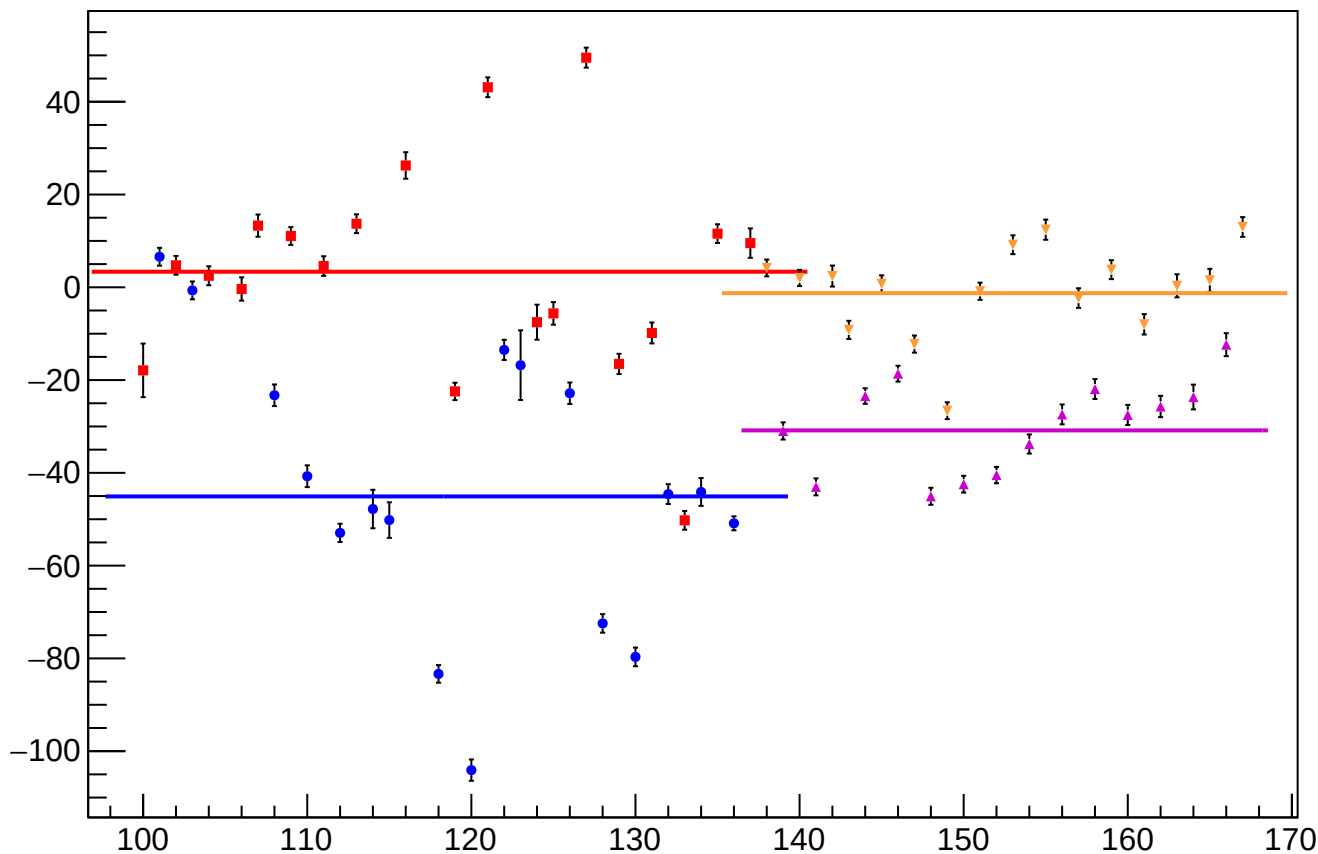
Left In: 1164.838+/-0.256 χ^2/NDF : 844342.9/13

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

All: 1088.981+/-0.129 χ^2/NDF : 2217977.2/65

- sign 1092.545+/-0.185 χ^2/NDF : 1075049.4/32

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

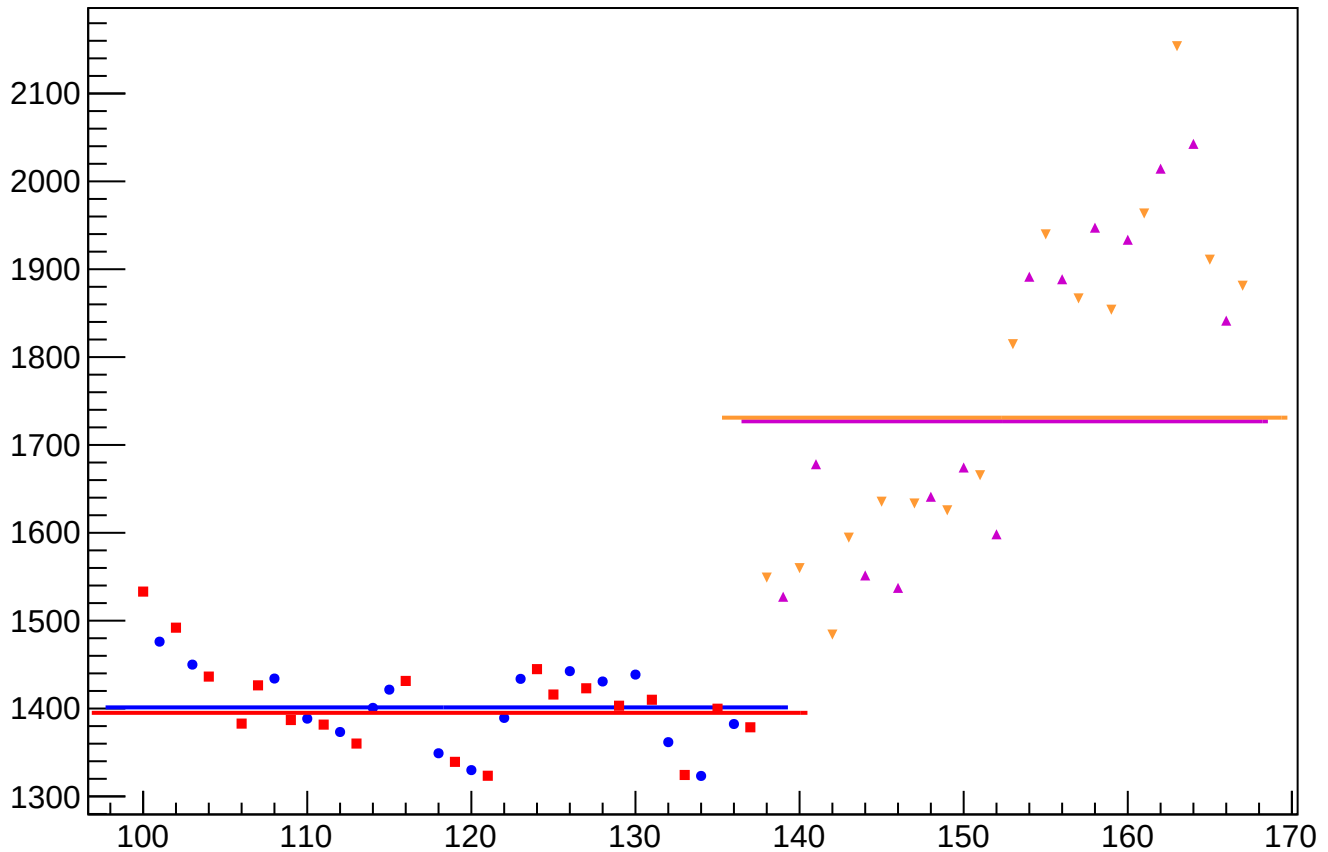
Left In: -30.846 ± 0.527 χ^2/NDF : 338.7/13

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

All: -17.649 ± 0.261 χ^2/NDF : 11860.9/65

- sign -13.560 ± 0.371 χ^2/NDF : 4469.5/32

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

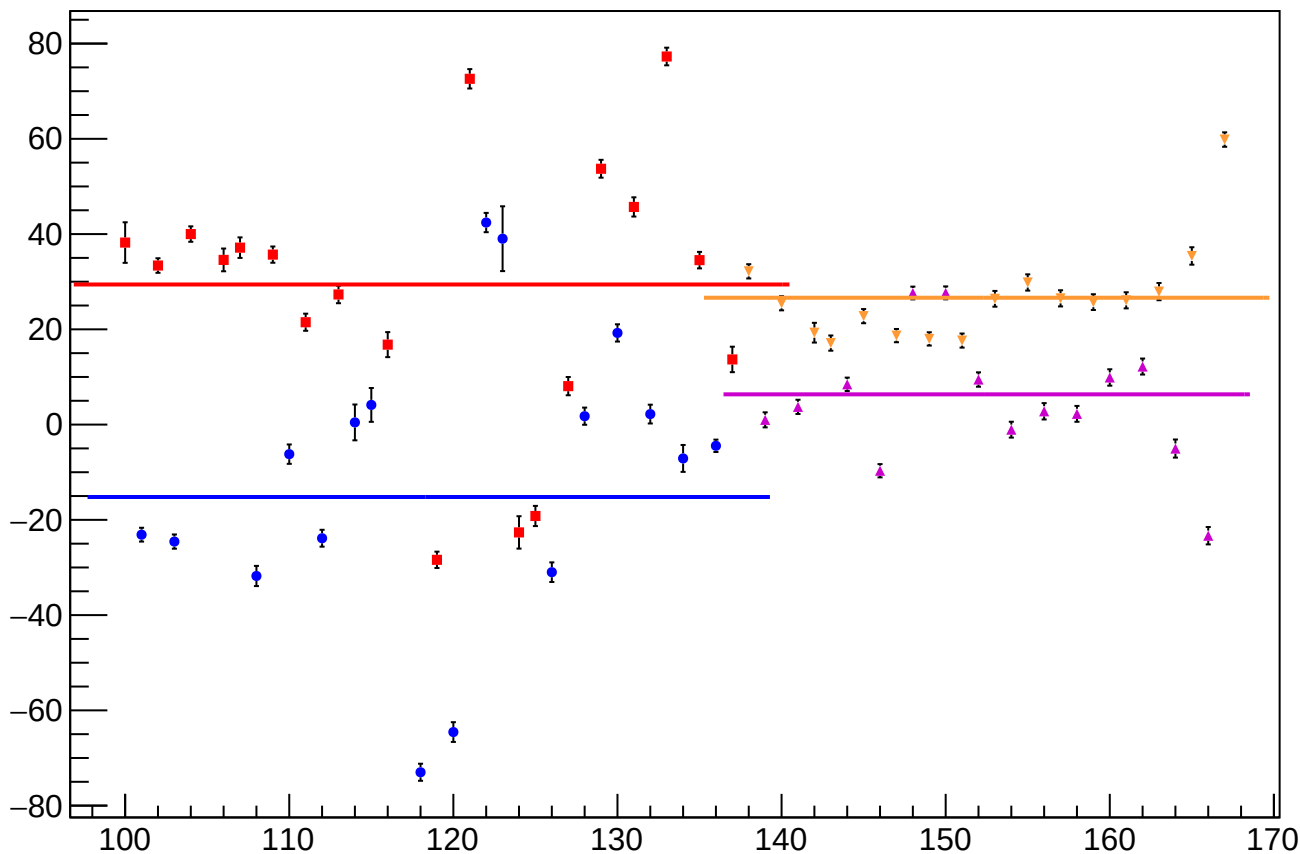
Left In: 1726.908+/-0.373 χ^2 /NDF: 215092.4/13

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

All: 1568.353+/-0.185 χ^2 /NDF: 1275298.8/65

- sign 1559.222+/-0.262 χ^2 /NDF: 630586.4/32

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

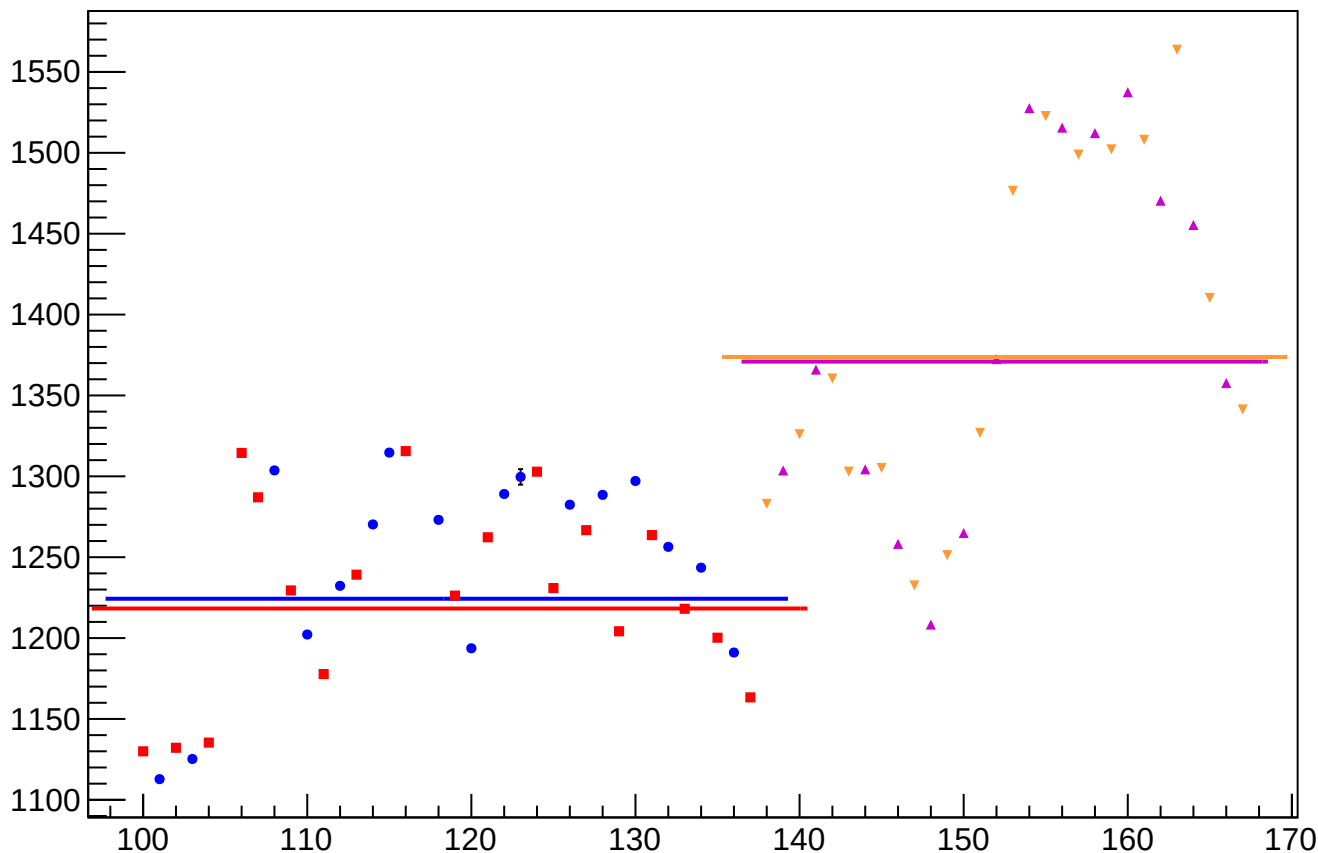
Left In: 6.353 ± 0.418 χ^2/NDF : 997.6/13

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

All: 12.988 ± 0.217 χ^2/NDF : 14870.8/65

- sign 16.870 ± 0.308 χ^2/NDF : 5933.1/32

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

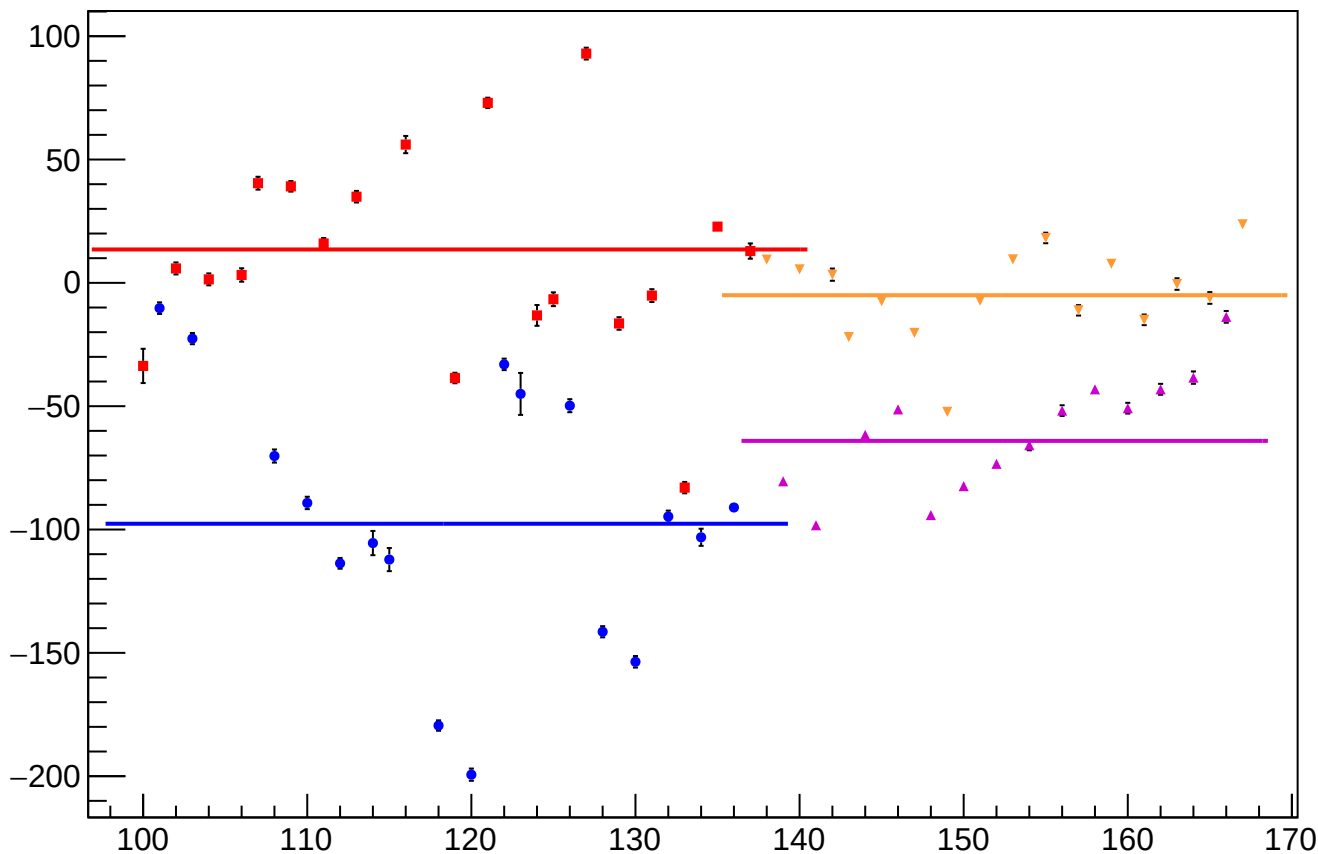
Left In: 1370.921+/-0.295 χ^2/NDF : 138882.6/13

+ sign 1311.441+/-0.216 χ^2/NDF : 293538.8/32

All: 1306.431+/-0.153 χ^2/NDF : 582903.9/65

- sign 1301.317+/-0.218 χ^2/NDF : 288273.9/32

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

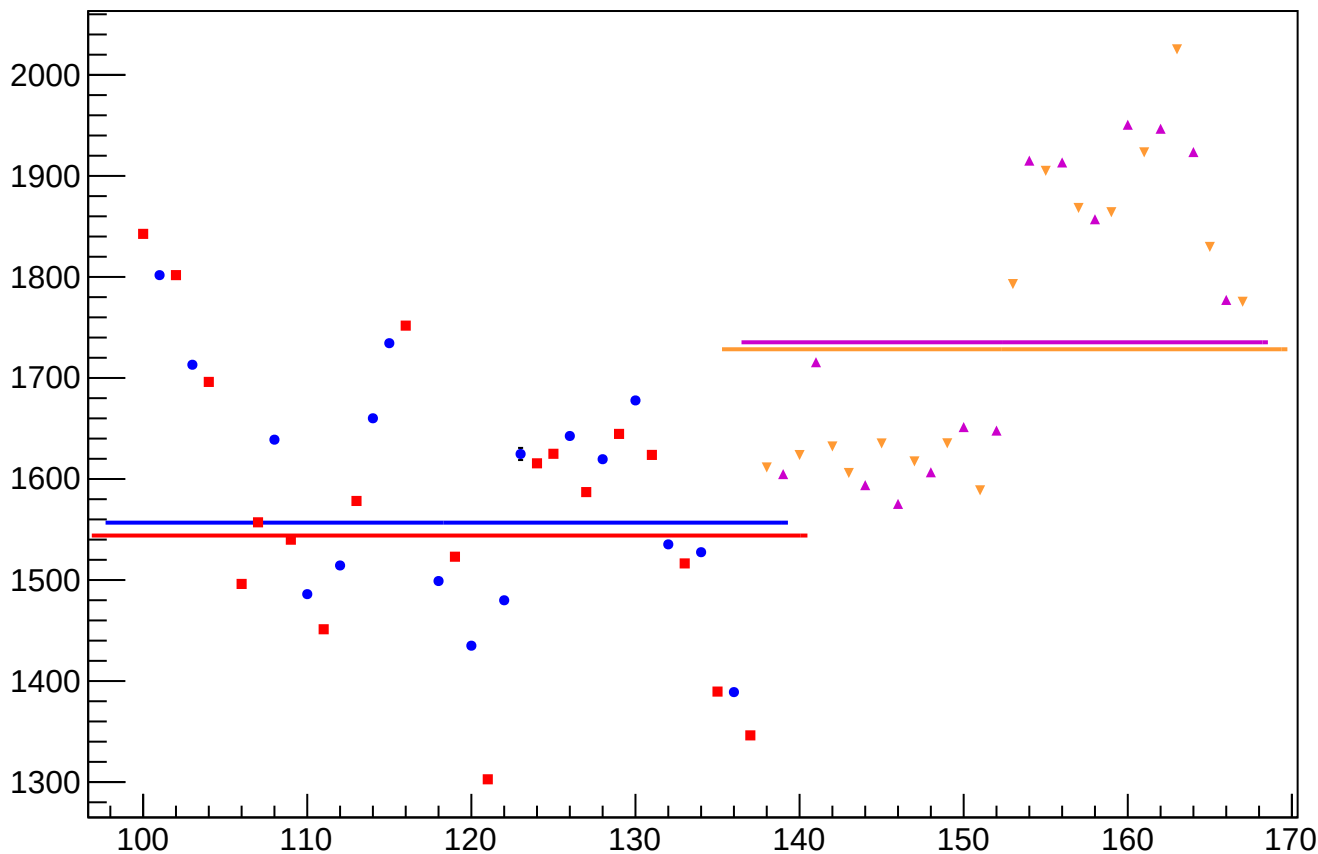
Left In: -64.064 ± 0.529 χ^2/NDF : 1685.6/13

+ sign -43.117 ± 0.386 χ^2/NDF : 23281.2/32

All: -36.047 ± 0.274 χ^2/NDF : 40562.4/65

- sign -28.794 ± 0.391 χ^2/NDF : 16600.3/32

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

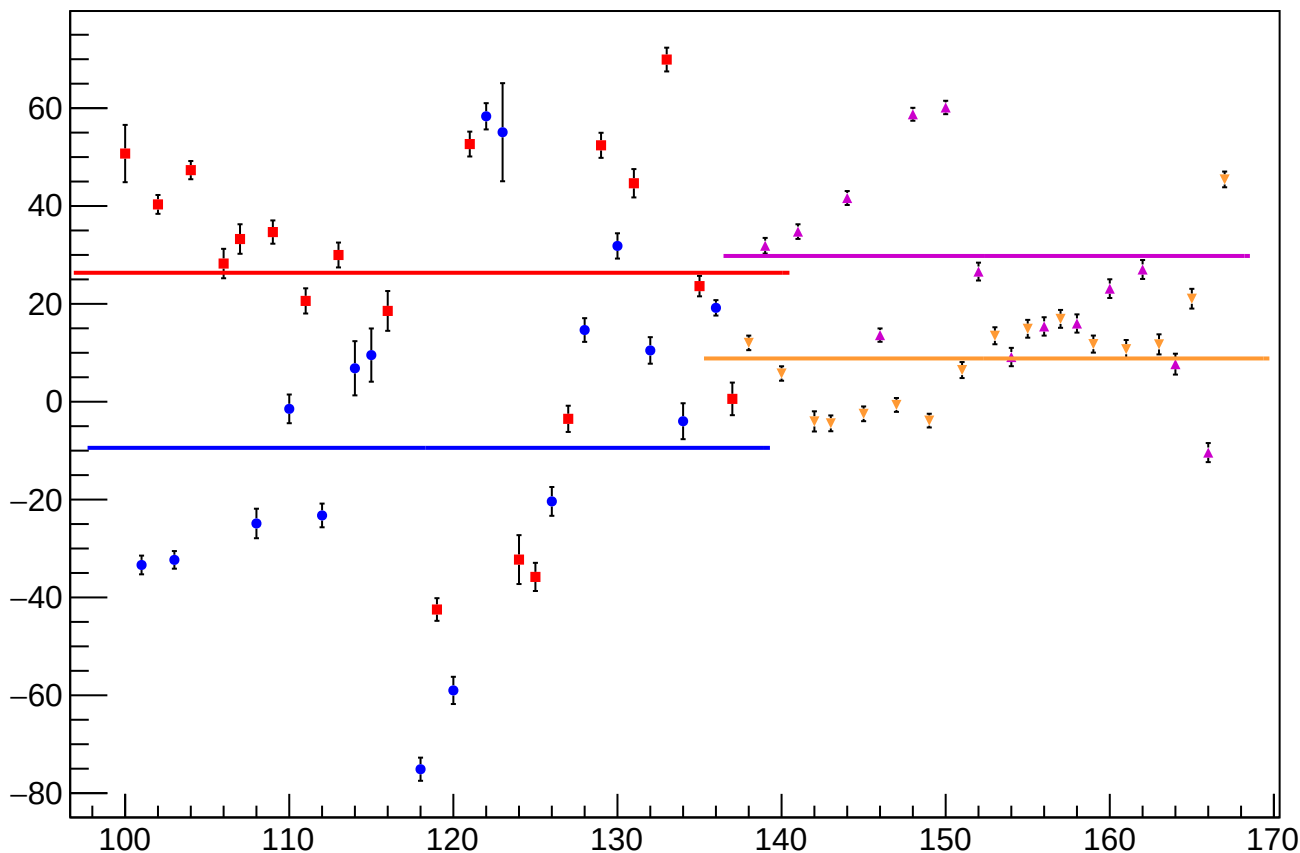
Left In: 1735.319 $\pm$ 0.374 χ^2 /NDF: 143834.4/13

+ sign 1657.822 $\pm$ 0.273 χ^2 /NDF: 318877.9/32

All: 1653.161 $\pm$ 0.194 χ^2 /NDF: 682730.4/65

- sign 1648.380 $\pm$ 0.276 χ^2 /NDF: 363260.8/32

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

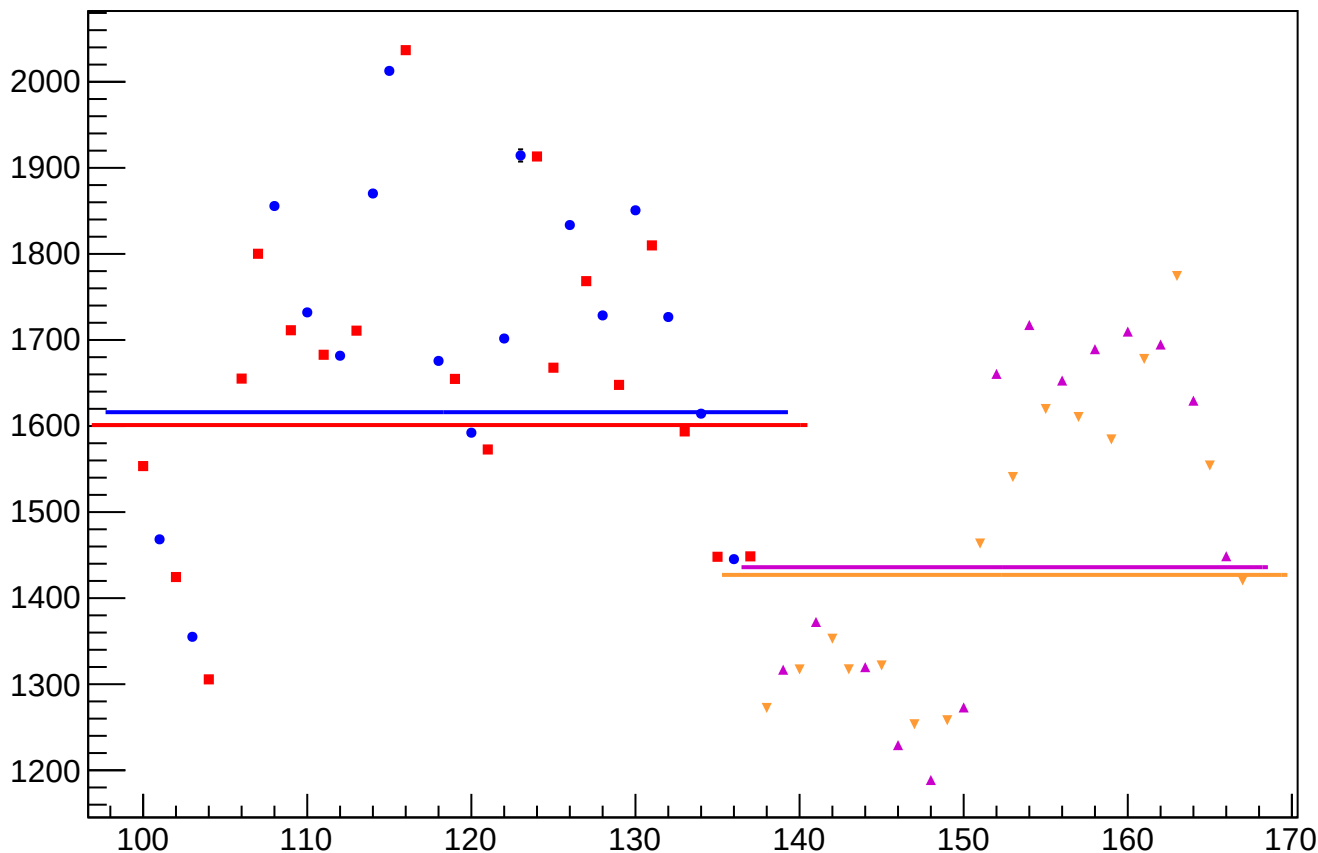
Left In: 29.791 ± 0.441 χ^2/NDF : 1979.0/13

+ sign 3.238 ± 0.347 χ^2/NDF : 4411.8/32

All: 15.600 ± 0.248 χ^2/NDF : 11488.8/65

- sign 28.595 ± 0.356 χ^2/NDF : 4472.3/32

diff_bpm0i02aY_rms vs Slug



Right In: 1616.094+/-0.443 χ^2/NDF : 149596.3/16

Left Out: 1427.019+/-0.295 χ^2/NDF : 282521.8/15

Right Out: 1601.134+/-0.426 χ^2/NDF : 153651.5/18

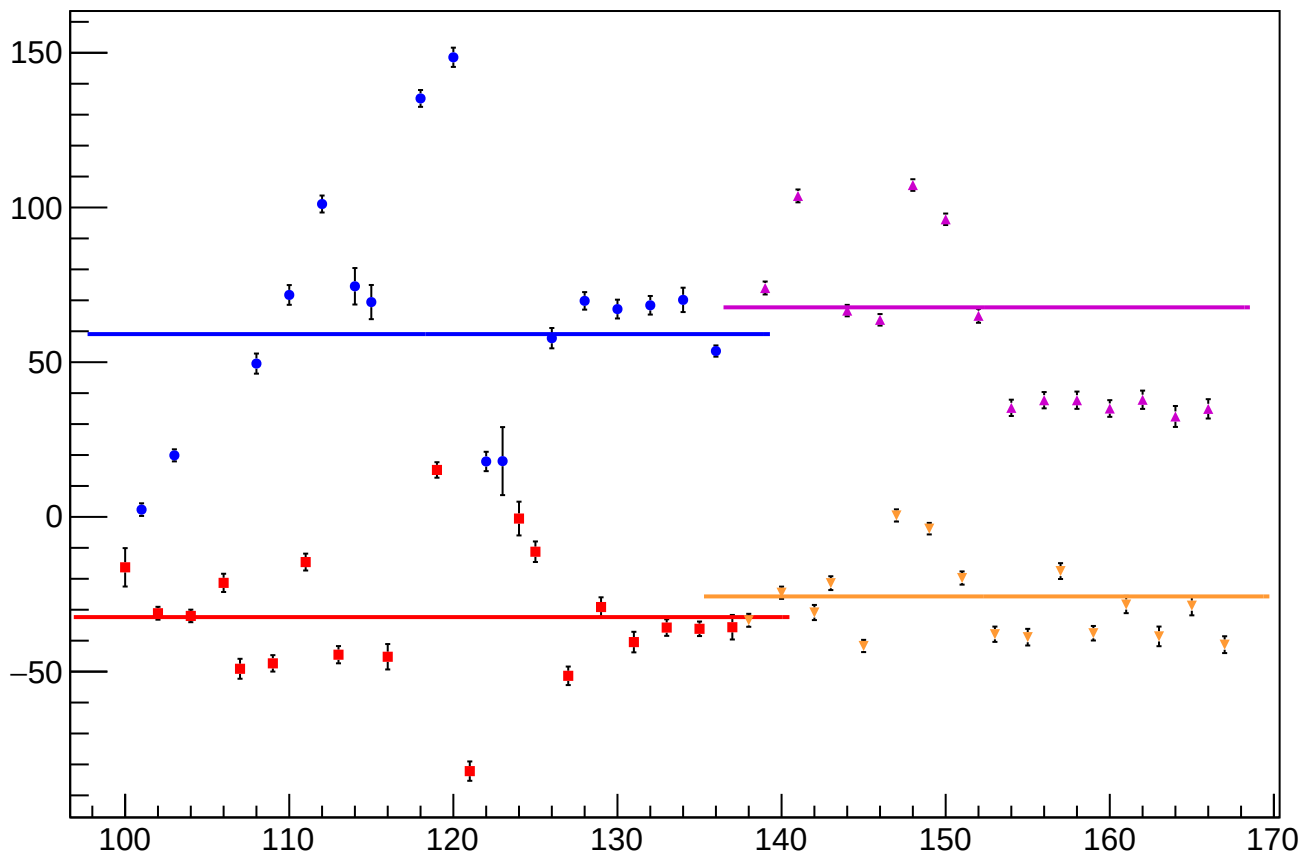
Left In: 1435.970+/-0.311 χ^2/NDF : 404741.9/13

+ sign 1484.996+/-0.245 χ^2/NDF : 558440.9/32

All: 1489.126+/-0.176 χ^2/NDF : 1215294.3/65

- sign 1493.469+/-0.251 χ^2/NDF : 656271.6/32

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

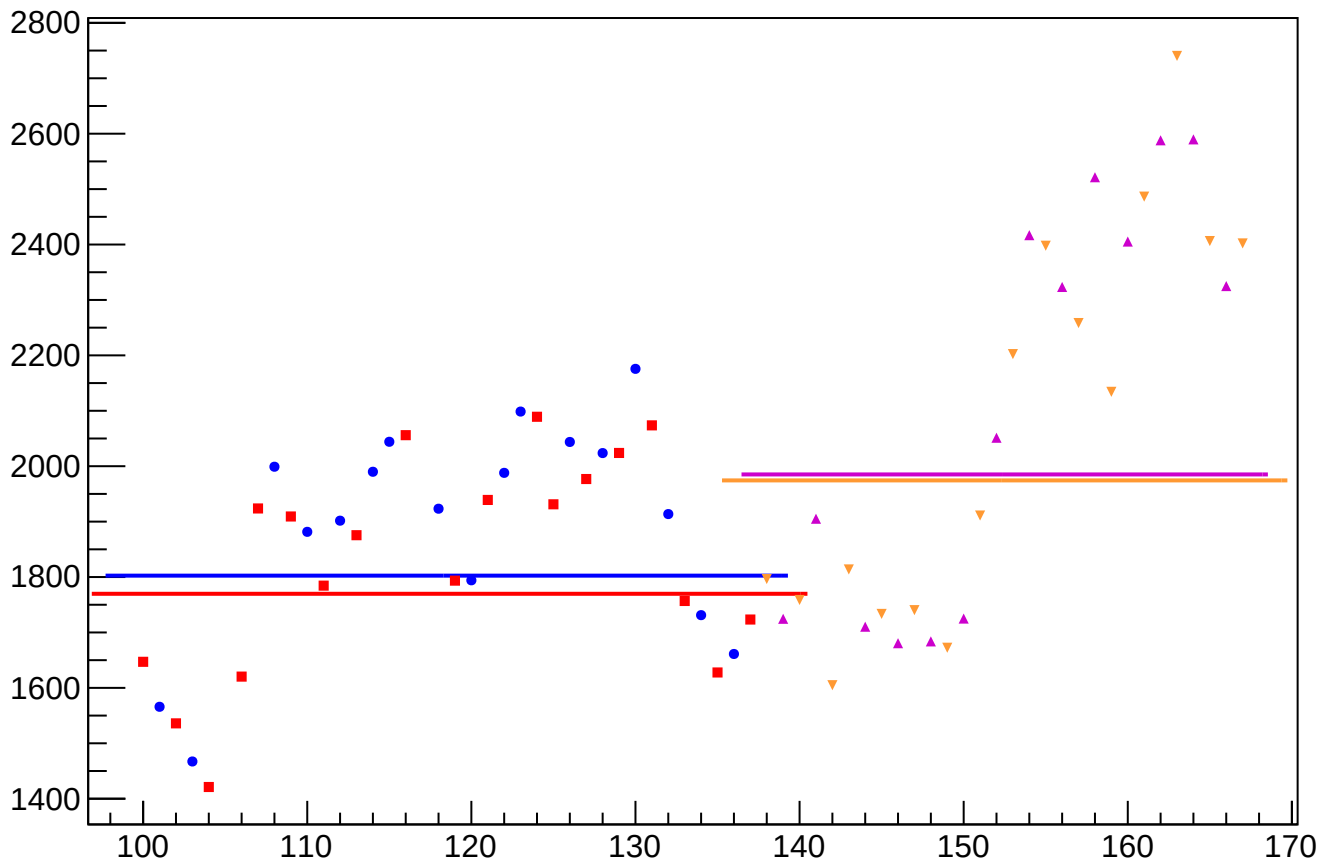
Left In: 67.728 ± 0.612 χ^2/NDF : 1858.3/13

+ sign 8.848 ± 0.447 χ^2/NDF : 12543.7/32

All: 15.317 ± 0.317 χ^2/NDF : 27953.9/65

- sign 21.913 ± 0.451 χ^2/NDF : 14986.3/32

diff_bpm0i05X_rms vs Slug



Right In: 1802.524 ± 0.495 $\chi^2/\text{NDF}: 184069.0/16$

Left Out: 1974.375 ± 0.410 $\chi^2/\text{NDF}: 578295.2/15$

Right Out: 1769.772 ± 0.471 $\chi^2/\text{NDF}: 177893.4/18$

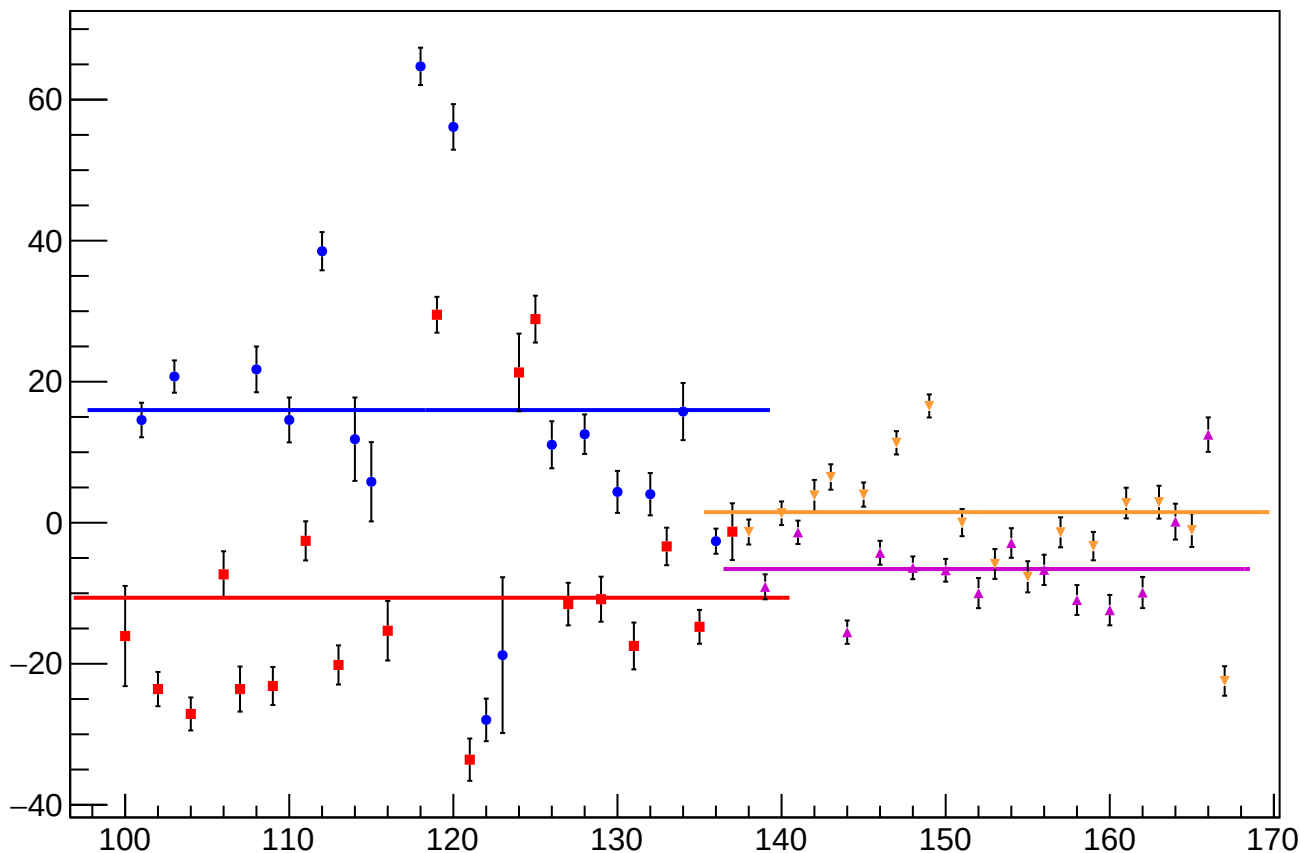
Left In: 1985.154 ± 0.433 $\chi^2/\text{NDF}: 603841.1/13$

+ sign 1904.345 ± 0.316 $\chi^2/\text{NDF}: 833894.9/32$

All: 1895.551 ± 0.224 $\chi^2/\text{NDF}: 1730474.9/65$

- sign 1886.585 ± 0.319 $\chi^2/\text{NDF}: 895013.3/32$

diff_bpm0i05Y_mean vs Slug



Right In: 15.976 ± 0.722 χ^2/NDF : 938.4/16

Left Out: 1.505 ± 0.486 χ^2/NDF : 303.9/15

Right Out: -10.638 ± 0.693 χ^2/NDF : 642.1/18

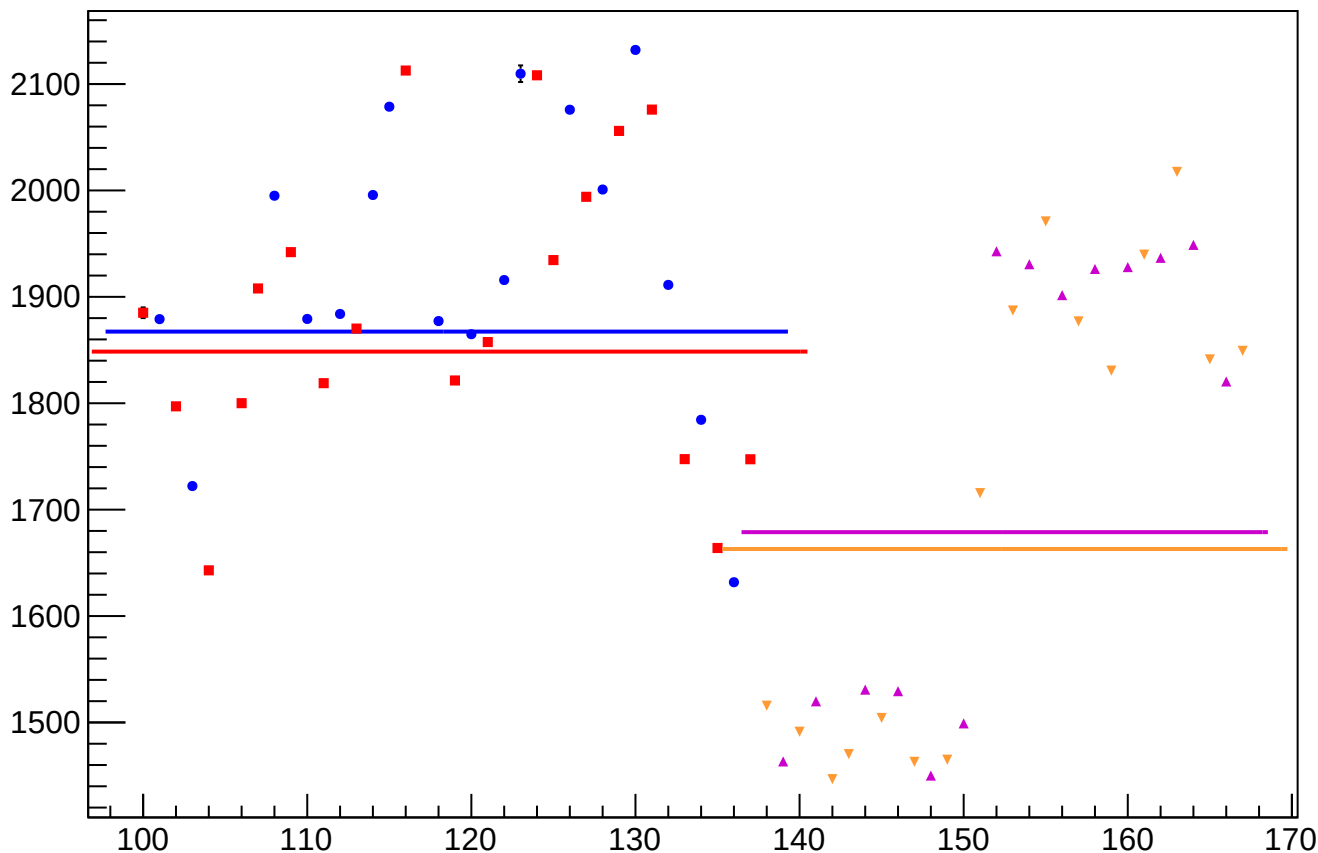
Left In: -6.562 ± 0.514 χ^2/NDF : 130.2/13

+ sign 6.019 ± 0.403 χ^2/NDF : 1519.0/32

All: -0.827 ± 0.288 χ^2/NDF : 2904.7/65

- sign -8.007 ± 0.413 χ^2/NDF : 794.6/32

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

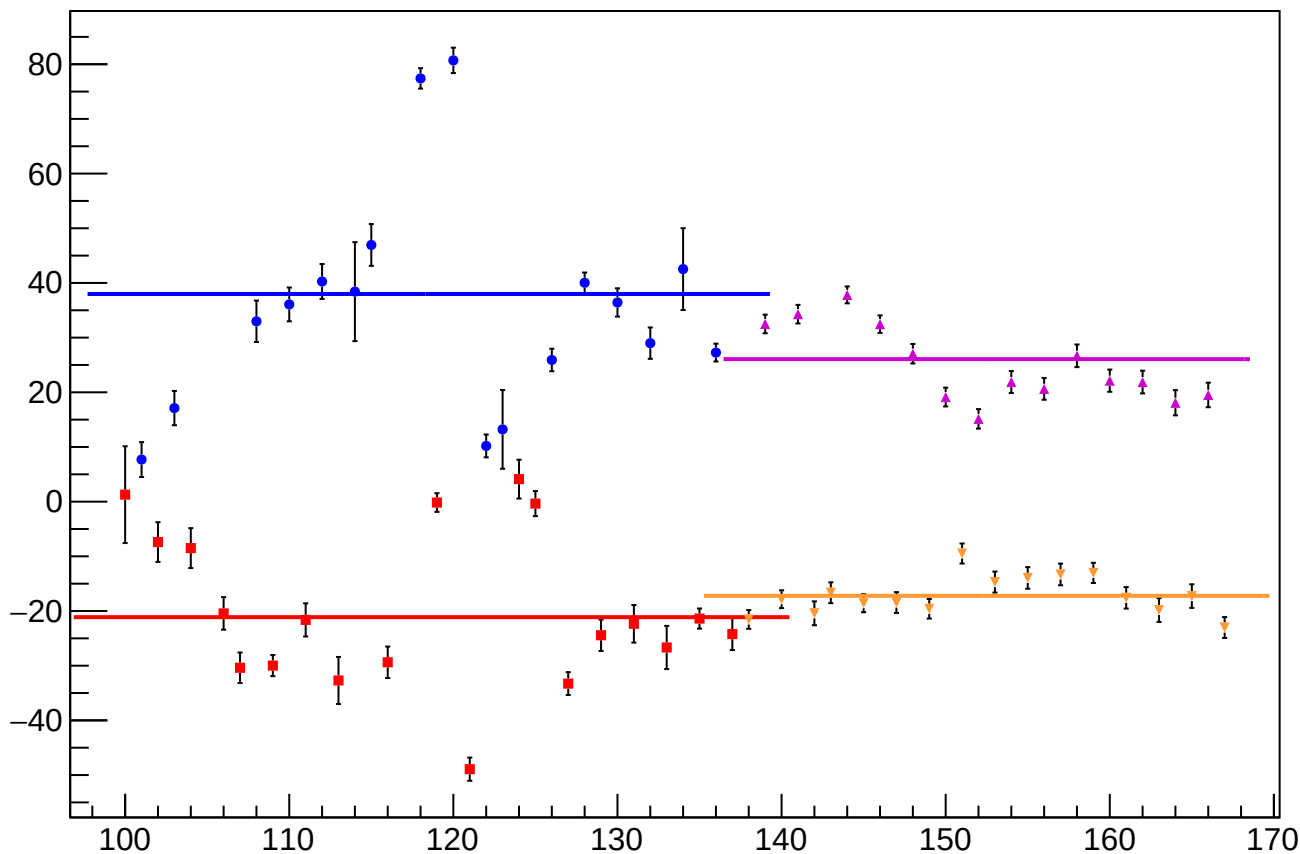
Left In: 1678.849 $\pm$ 0.363 χ^2 /NDF: 335622.6/13

+ sign 1726.757 $\pm$ 0.285 χ^2 /NDF: 546581.2/32

All: 1732.724 $\pm$ 0.204 χ^2 /NDF: 1032965.1/65

- sign 1738.982 $\pm$ 0.292 χ^2 /NDF: 485485.7/32

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 $\chi^2/\text{NDF}: 573.6/18$

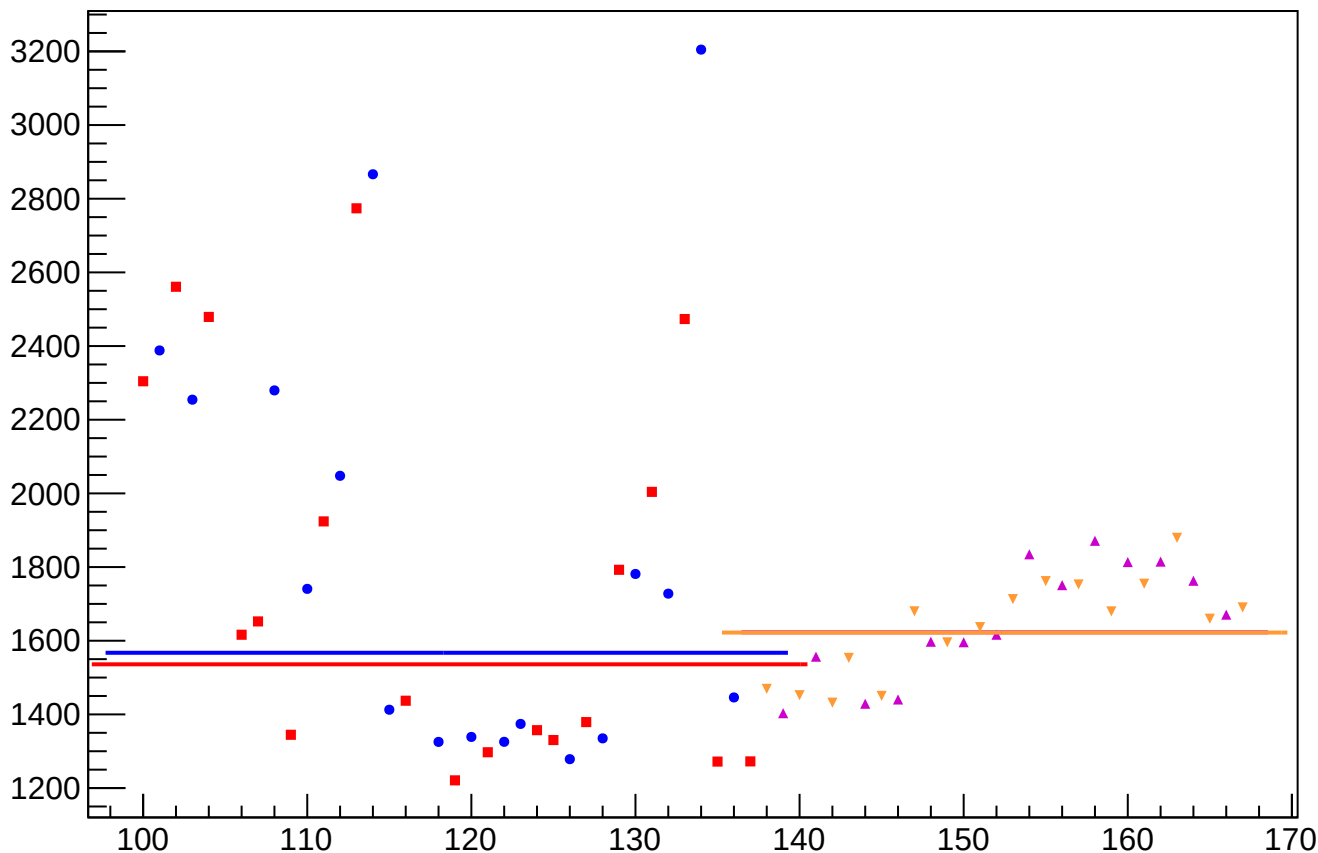
Left In: 26.068 ± 0.496 $\chi^2/\text{NDF}: 206.1/13$

+ sign 2.344 ± 0.379 $\chi^2/\text{NDF}: 6099.6/32$

All: 4.760 ± 0.270 $\chi^2/\text{NDF}: 10578.2/65$

- sign 7.238 ± 0.384 $\chi^2/\text{NDF}: 4396.5/32$

diff_bpm0i07X_rms vs Slug



Right In: 1567.328 $\pm$ 0.451 χ^2 /NDF: 673450.6/16

Left Out: 1622.186 $\pm$ 0.334 χ^2 /NDF:144653.6/15

Right Out: 1535.967 $\pm$ 0.430 χ^2 /NDF: 882098.2/18

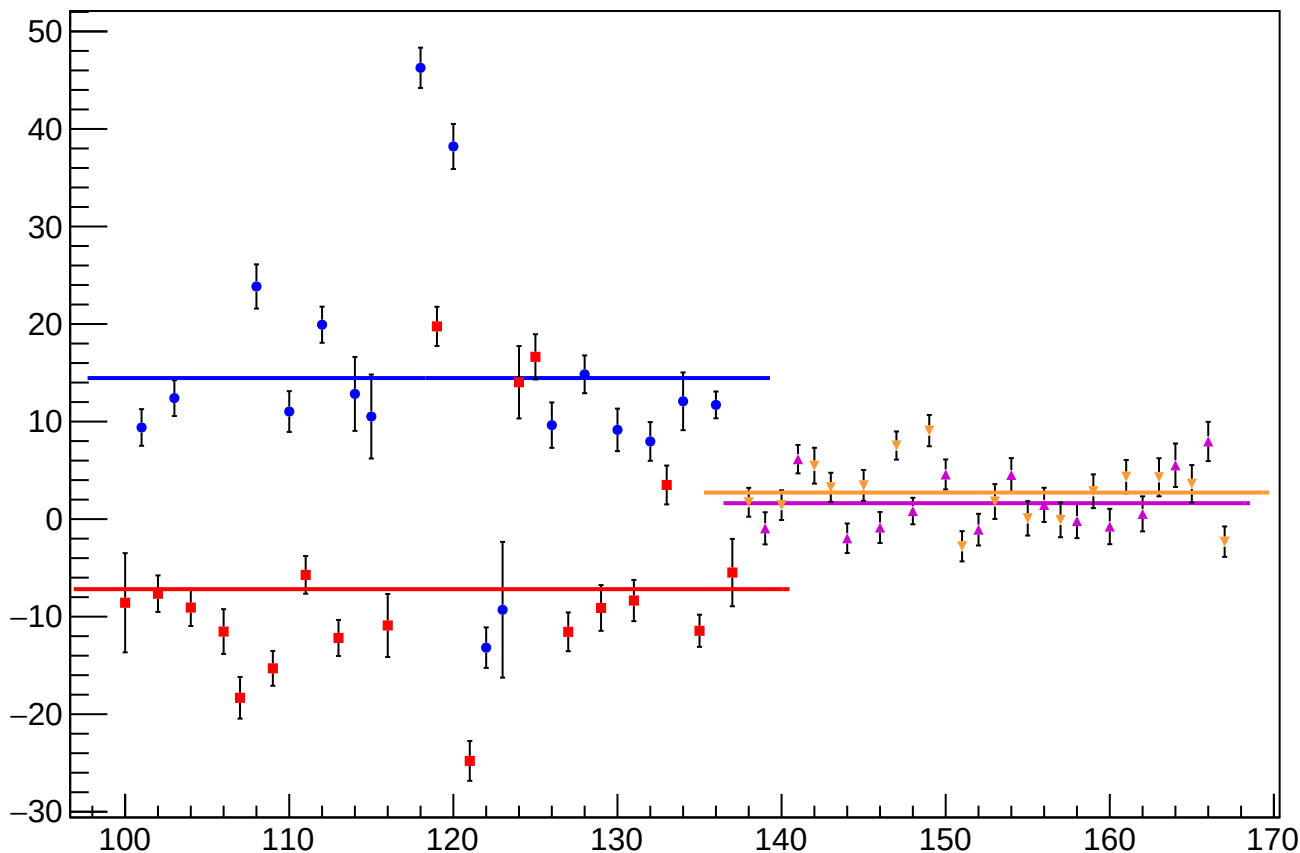
Left In: 1622.860 $\pm$ 0.351 χ^2 /NDF:197501.3/13

+ sign 1602.744 $\pm$ 0.268 χ^2 /NDF: 827669.5/32

All: 1595.559 $\pm$ 0.191 χ^2 /NDF: 1933244.5/65

- sign 1588.189 $\pm$ 0.272 χ^2 /NDF: 1104122.1/32

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 ± 0.523 $\chi^2/\text{NDF}: 595.9/16$

Left Out: 2.722 ± 0.412 $\chi^2/\text{NDF}: 60.3/15$

Right Out: -7.181 ± 0.494 $\chi^2/\text{NDF}: 495.7/18$

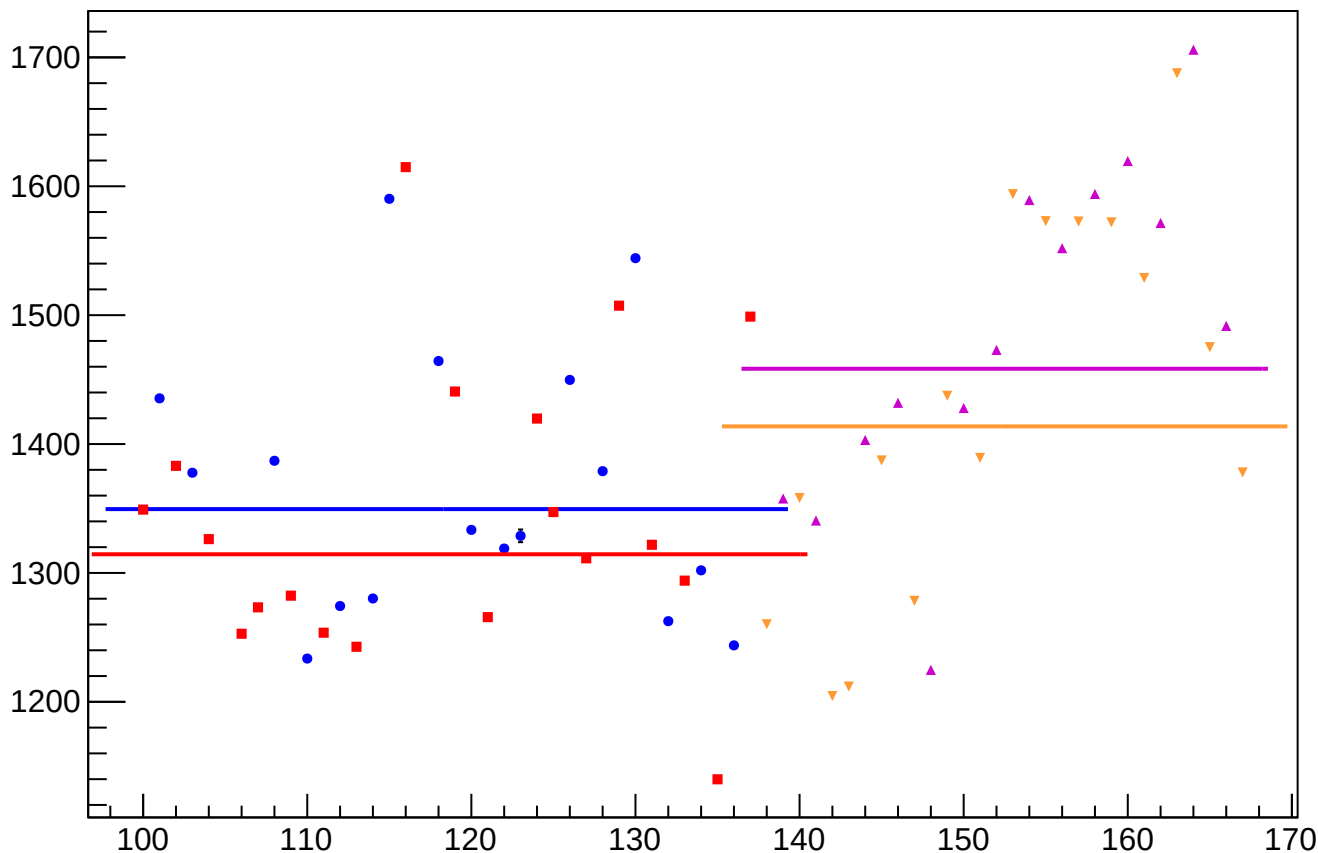
Left In: 1.633 ± 0.445 $\chi^2/\text{NDF}: 45.9/13$

+ sign 7.219 ± 0.324 $\chi^2/\text{NDF}: 966.8/32$

All: 2.554 ± 0.231 $\chi^2/\text{NDF}: 2107.9/65$

- sign -2.310 ± 0.331 $\chi^2/\text{NDF}: 717.2/32$

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

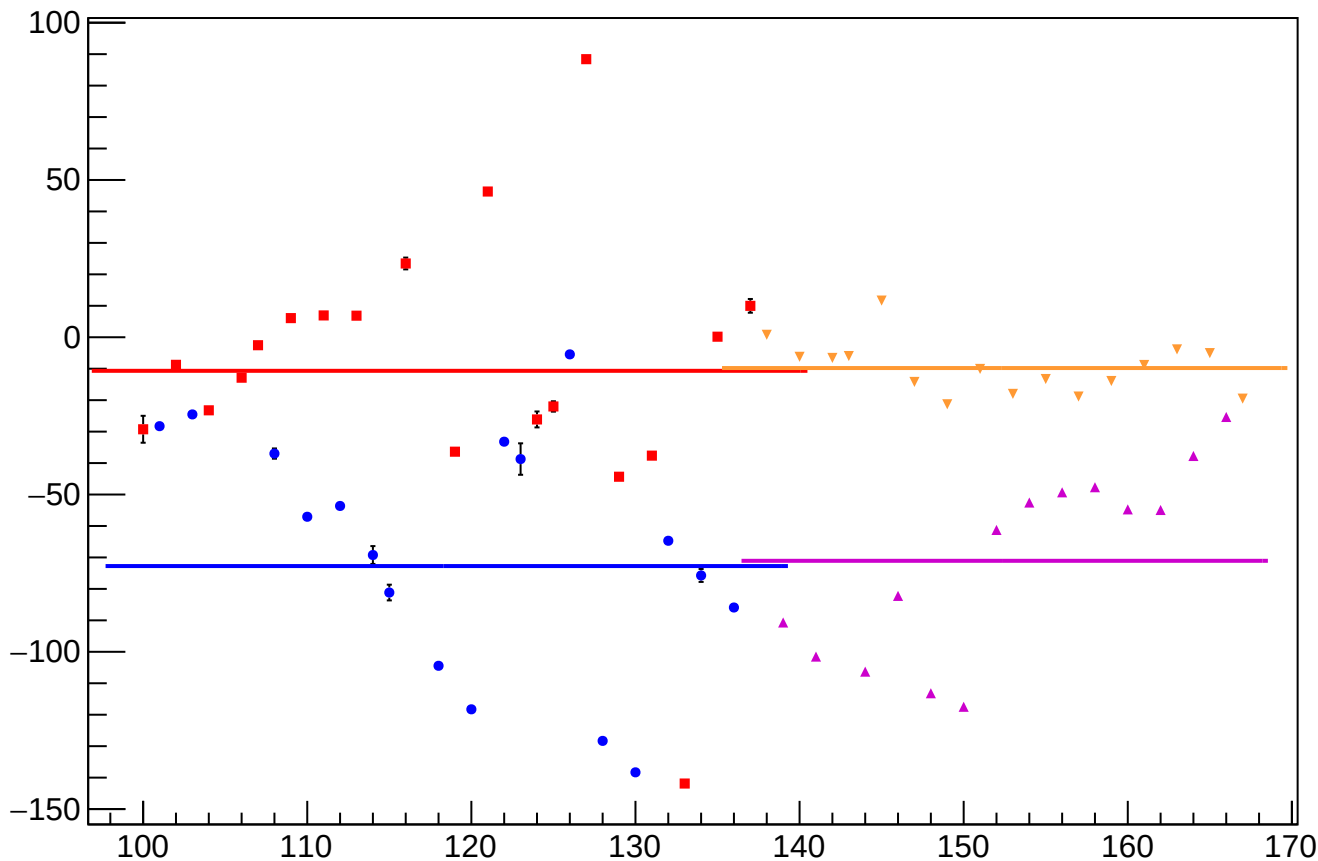
Left In: 1458.419 $\pm$ 0.315 χ^2 /NDF:161509.1/13

+ sign 1389.125 $\pm$ 0.229 χ^2 /NDF: 309955.6/32

All: 1391.526 $\pm$ 0.164 χ^2 /NDF: 646333.9/65

- sign 1394.029 $\pm$ 0.234 χ^2 /NDF: 336153.8/32

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 $\chi^2/\text{NDF}: 18171.0/18$

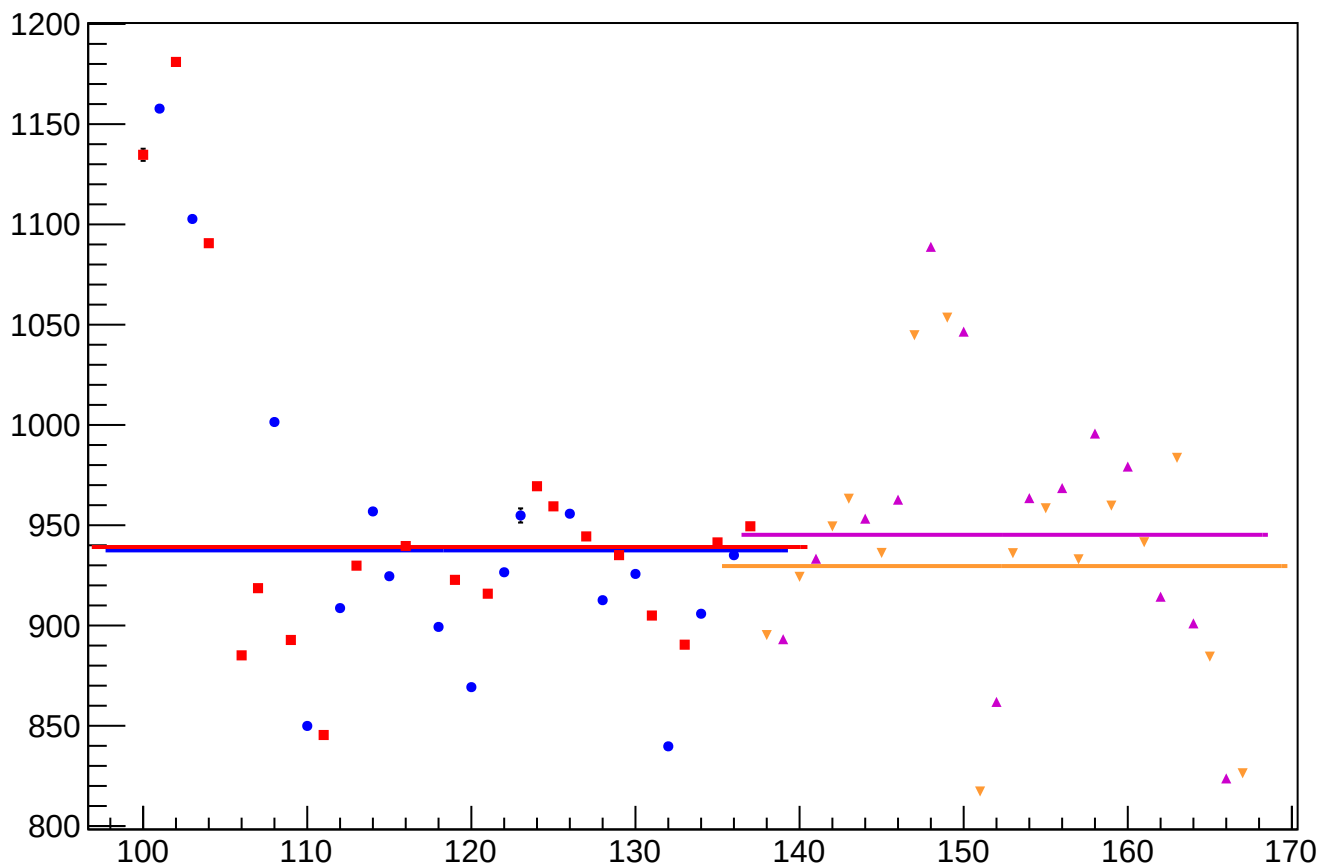
Left In: -71.070 ± 0.288 $\chi^2/\text{NDF}: 9649.5/13$

+ sign -32.292 ± 0.217 $\chi^2/\text{NDF}: 32040.0/32$

All: -39.388 ± 0.155 $\chi^2/\text{NDF}: 79696.1/65$

- sign -46.899 ± 0.223 $\chi^2/\text{NDF}: 45447.8/32$

diff_bpm1i02X_rms vs Slug



Right In: 937.454 ± 0.256 χ^2/NDF : 98307.6/16

Left Out: 929.638 ± 0.191 χ^2/NDF : 111346.5/15

Right Out: 939.140 ± 0.249 χ^2/NDF : 90253.2/18

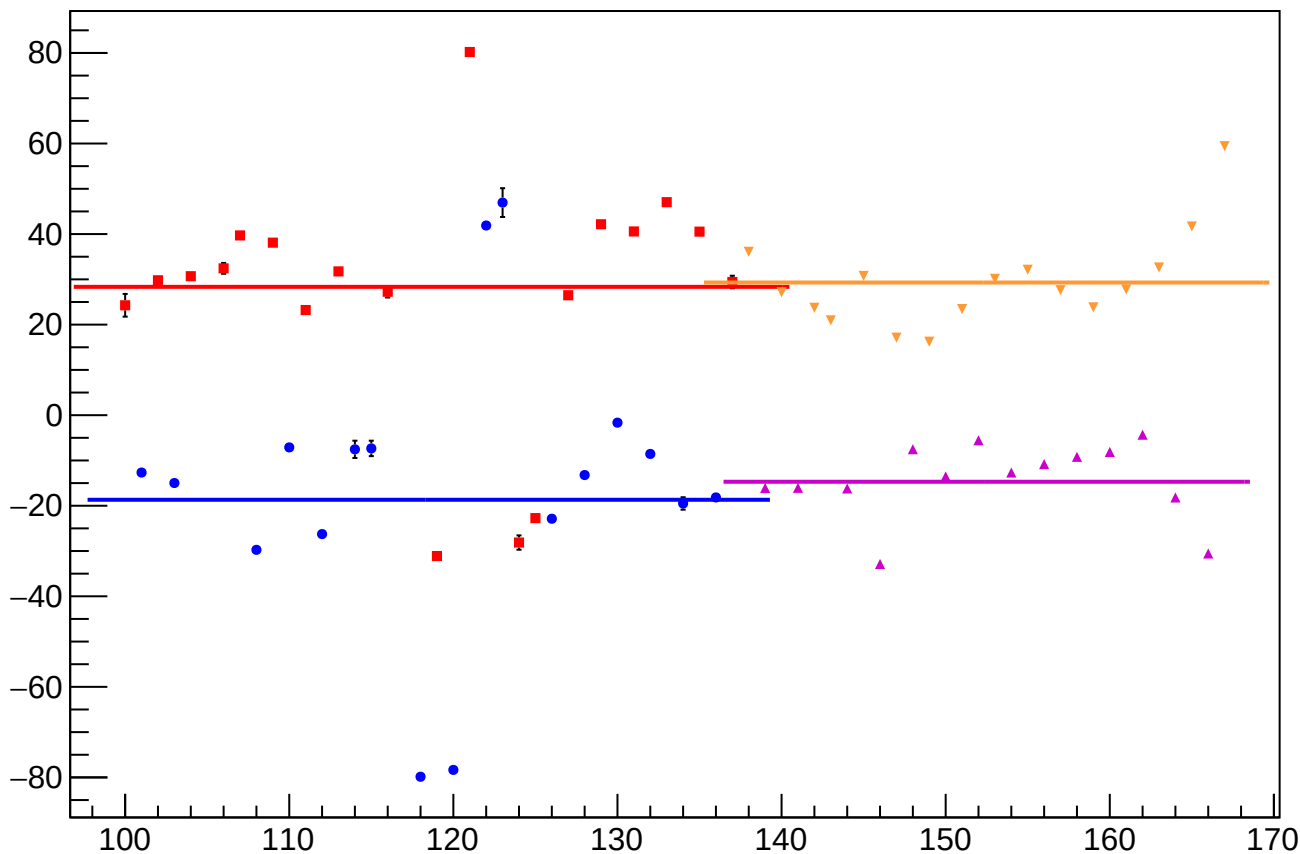
Left In: 945.226 ± 0.203 χ^2/NDF : 101589.7/13

+ sign 932.432 ± 0.153 χ^2/NDF : 210252.1/32

All: 937.464 ± 0.110 χ^2/NDF : 404674.3/65

- sign 942.790 ± 0.158 χ^2/NDF : 192200.9/32

diff_bpm1i02Y_mean vs Slug



Right In: -18.683 ± 0.243 χ^2/NDF : 13006.2/16

Left Out: 29.301 ± 0.209 χ^2/NDF : 2567.9/15

Right Out: 28.347 ± 0.235 χ^2/NDF : 12508.1/18

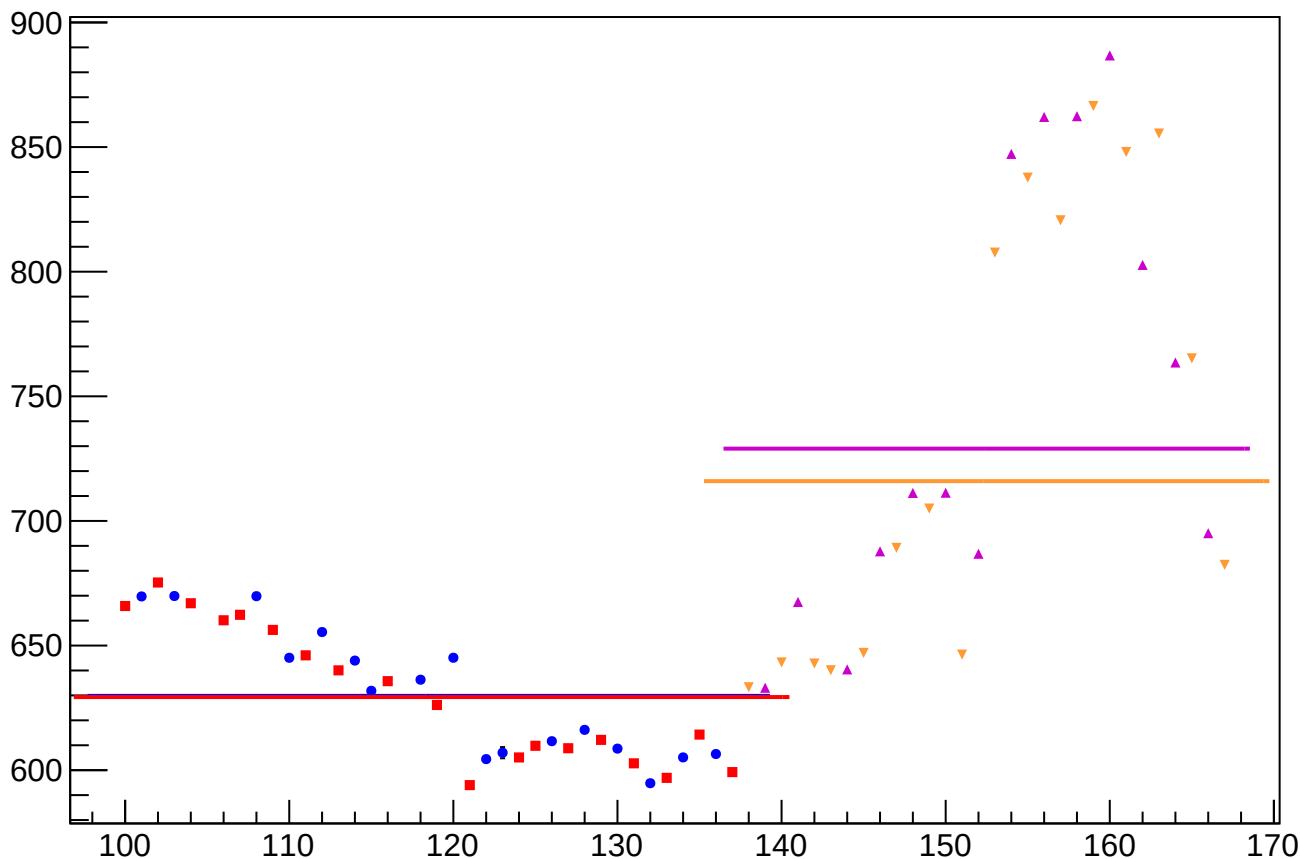
Left In: -14.702 ± 0.223 χ^2/NDF : 1335.7/13

+ sign 8.838 ± 0.158 χ^2/NDF : 38000.8/32

All: 7.280 ± 0.113 χ^2/NDF : 69661.8/65

- sign 5.655 ± 0.162 χ^2/NDF : 31463.6/32

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

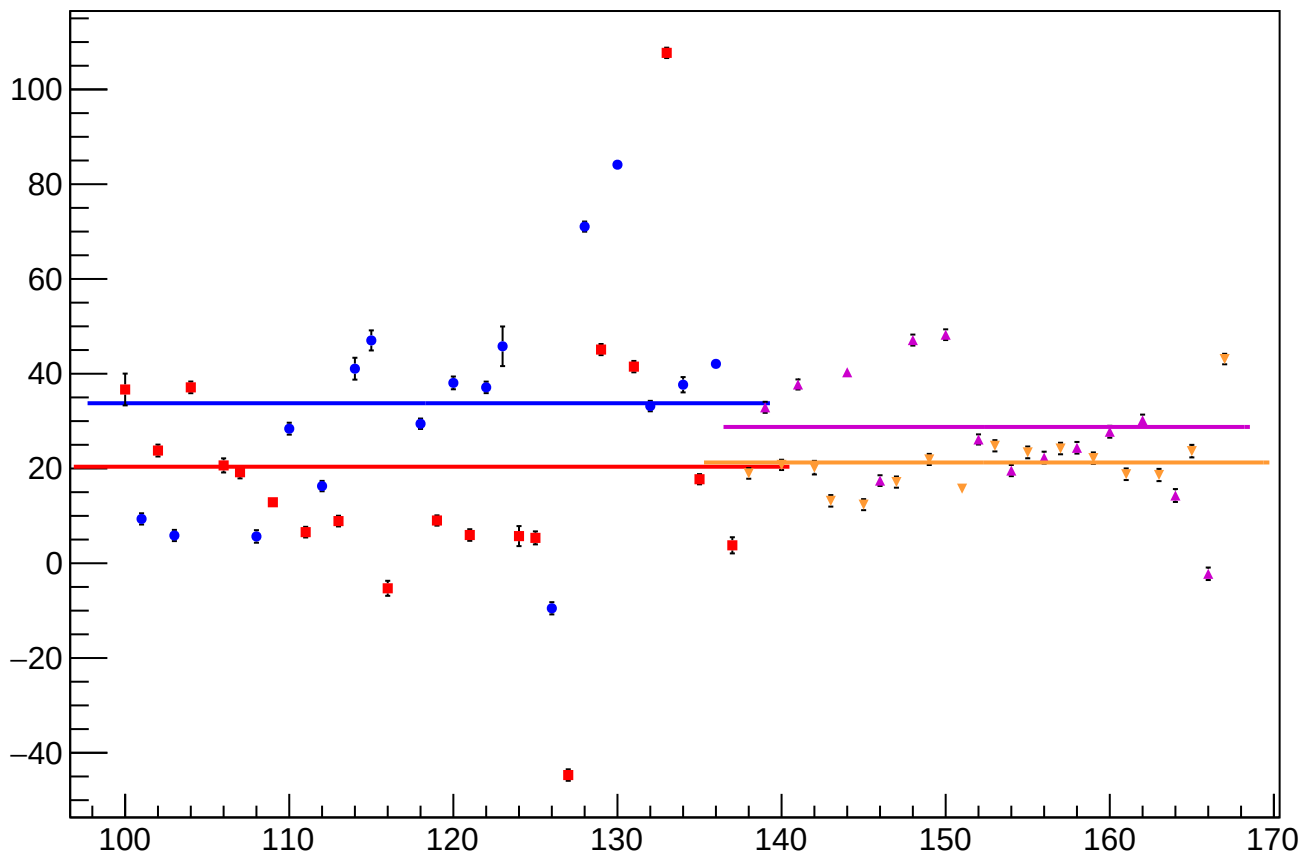
Left In: 729.010 $\pm$ 0.158 χ^2 /NDF: 269742.8/13

+ sign 679.227 $\pm$ 0.112 χ^2 /NDF: 497327.1/32

All: 680.524 $\pm$ 0.080 χ^2 /NDF: 981791.7/65

- sign 681.879 $\pm$ 0.114 χ^2 /NDF: 484190.5/32

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

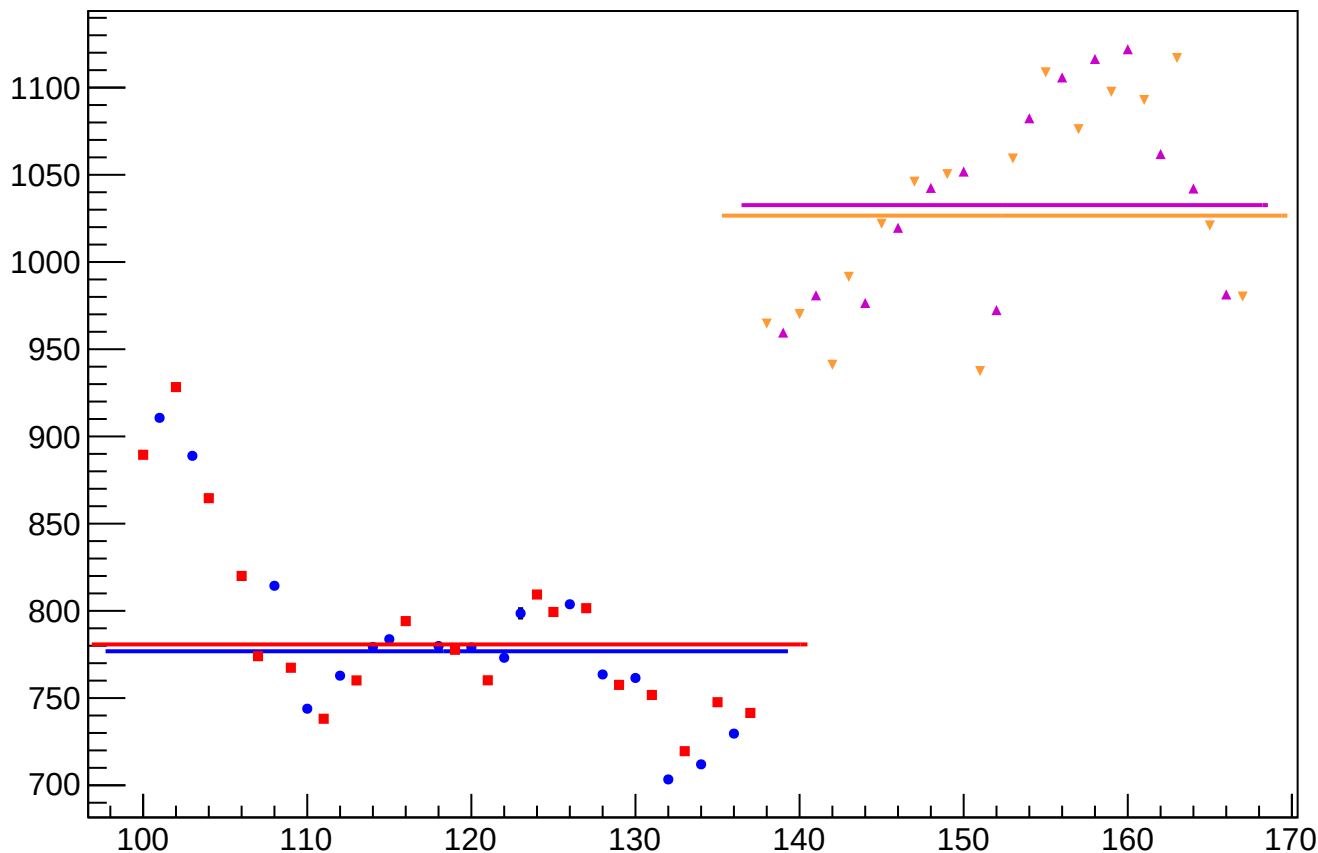
Left In: 28.770 ± 0.314 χ^2/NDF : 1621.7/13

+ sign 27.484 ± 0.211 χ^2/NDF : 7927.4/32

All: 25.899 ± 0.150 χ^2/NDF : 21333.2/65

- sign 24.274 ± 0.214 χ^2/NDF : 13292.0/32

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

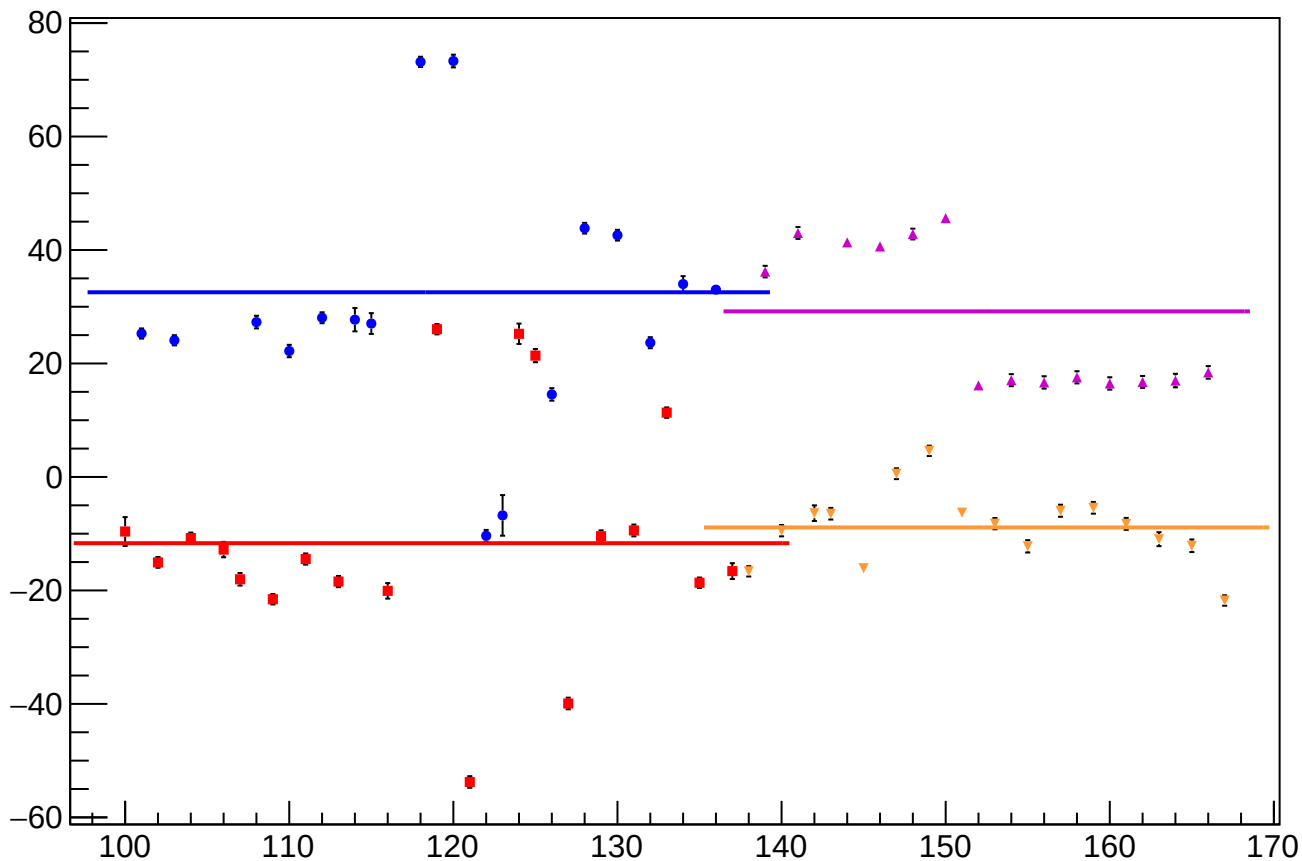
Left In: 1032.624 $\pm$ 0.222 χ^2 /NDF: 59614.8/13

+ sign 902.453 $\pm$ 0.150 χ^2 /NDF: 840925.1/32

All: 900.130 $\pm$ 0.106 χ^2 /NDF: 1647187.2/65

- sign 897.748 $\pm$ 0.151 χ^2 /NDF: 805773.1/32

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

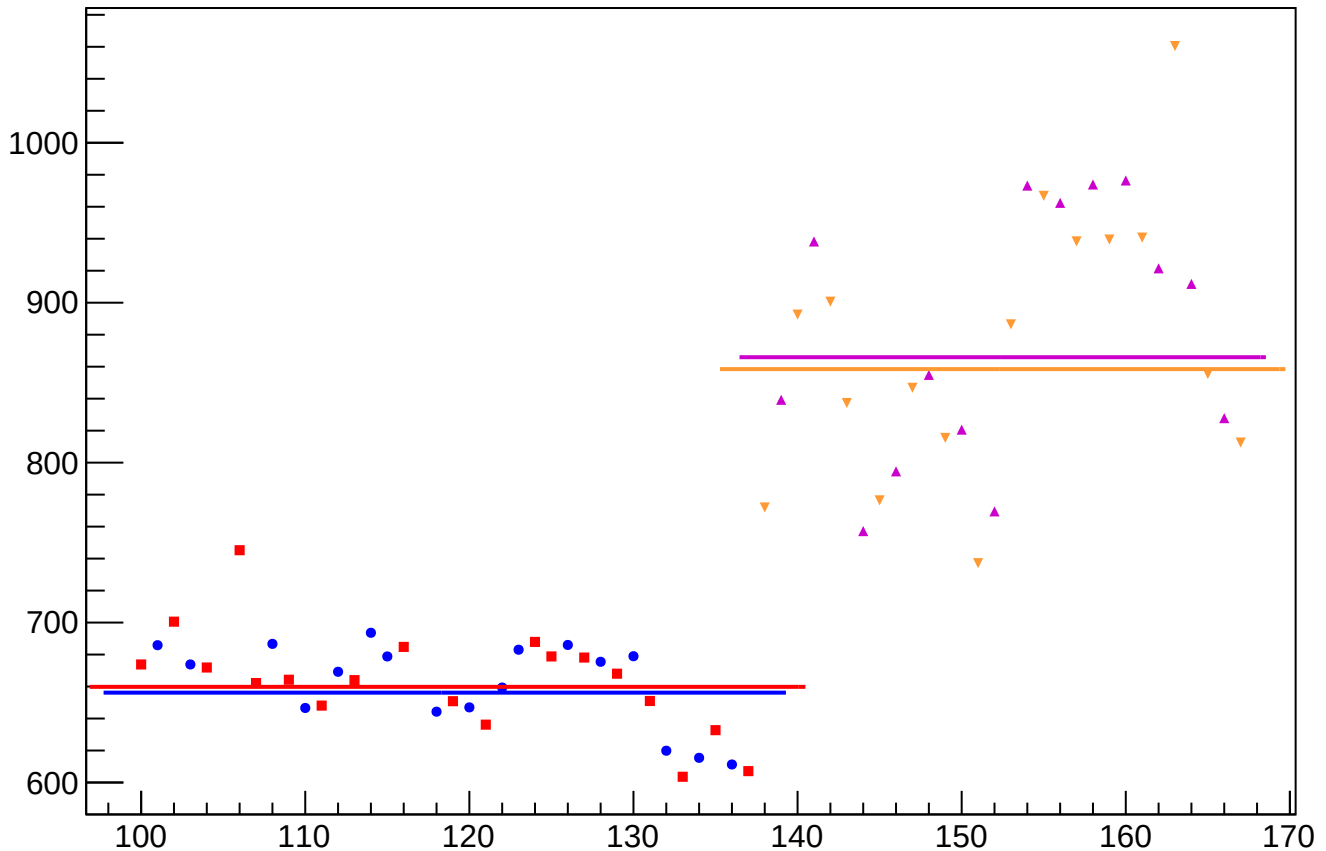
Left In: 29.184 $\pm$ 0.265 χ^2 /NDF: 2245.7/13

+ sign 11.629 $\pm$ 0.178 χ^2 /NDF: 20346.9/32

All: 9.507 $\pm$ 0.127 χ^2 /NDF: 41959.8/65

- sign 7.319 $\pm$ 0.181 χ^2 /NDF: 21324.1/32

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

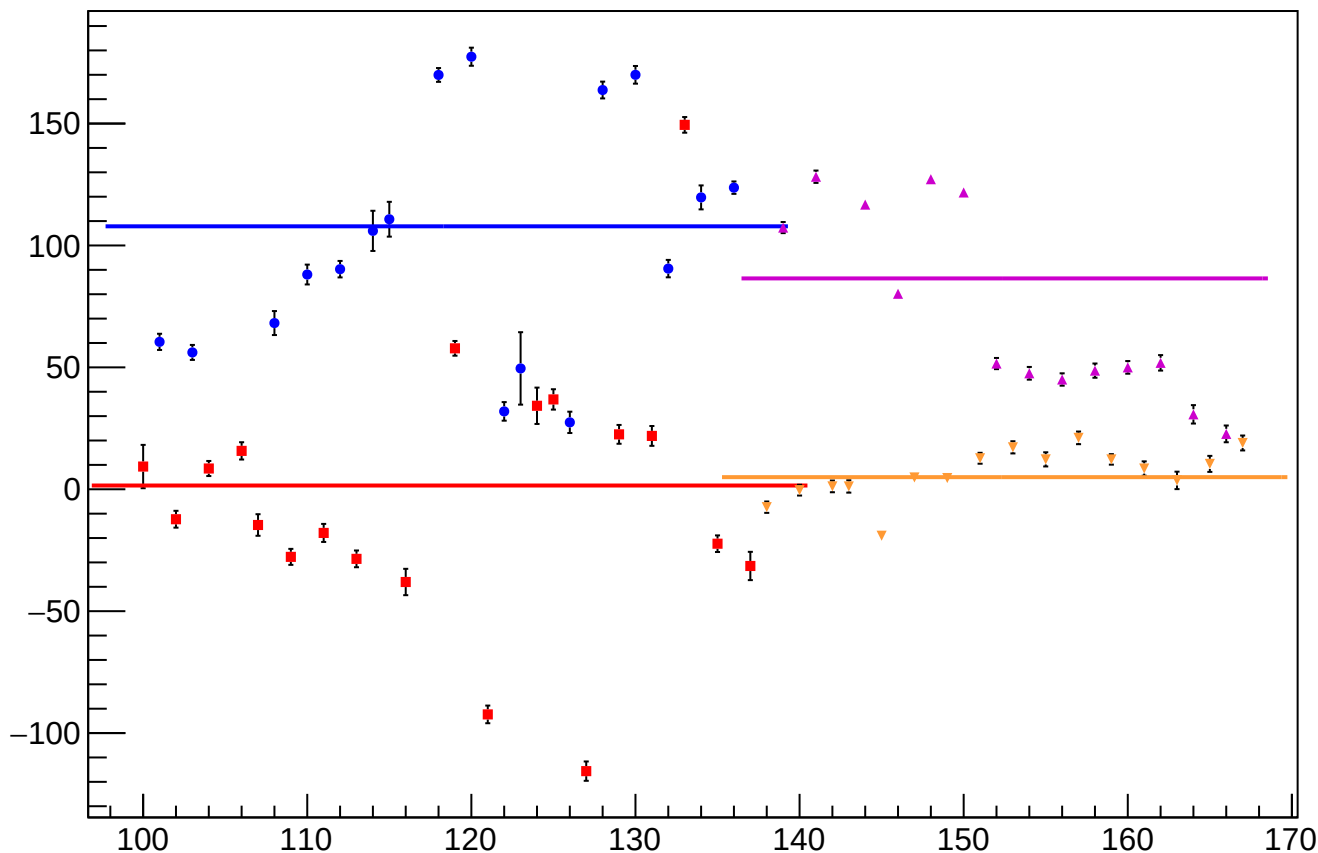
Left In: 865.919 $\pm$ 0.187 χ^2 /NDF:177308.2/13

+ sign 758.310 $\pm$ 0.126 χ^2 /NDF: 874578.1/32

All: 756.988 $\pm$ 0.090 χ^2 /NDF: 1727838.1/65

- sign 755.624 $\pm$ 0.128 χ^2 /NDF: 853035.5/32

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

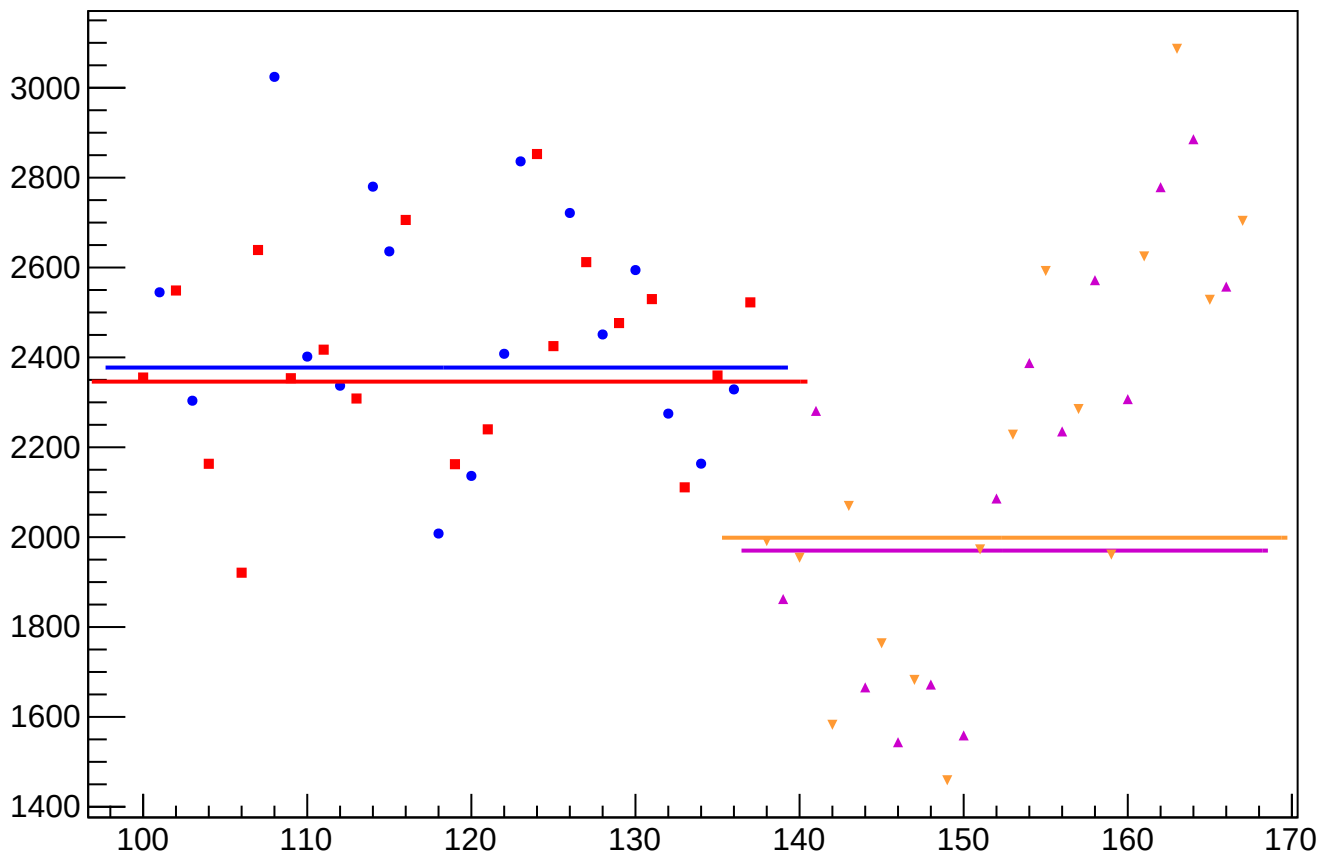
Left In: 86.484 $\pm$ 0.616 χ^2 /NDF: 3313.7/13

+ sign 35.103 $\pm$ 0.499 χ^2 /NDF: 11918.9/32

All: 46.755 $\pm$ 0.355 χ^2 /NDF: 27085.6/65

- sign 58.708 $\pm$ 0.505 χ^2 /NDF: 14061.0/32

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

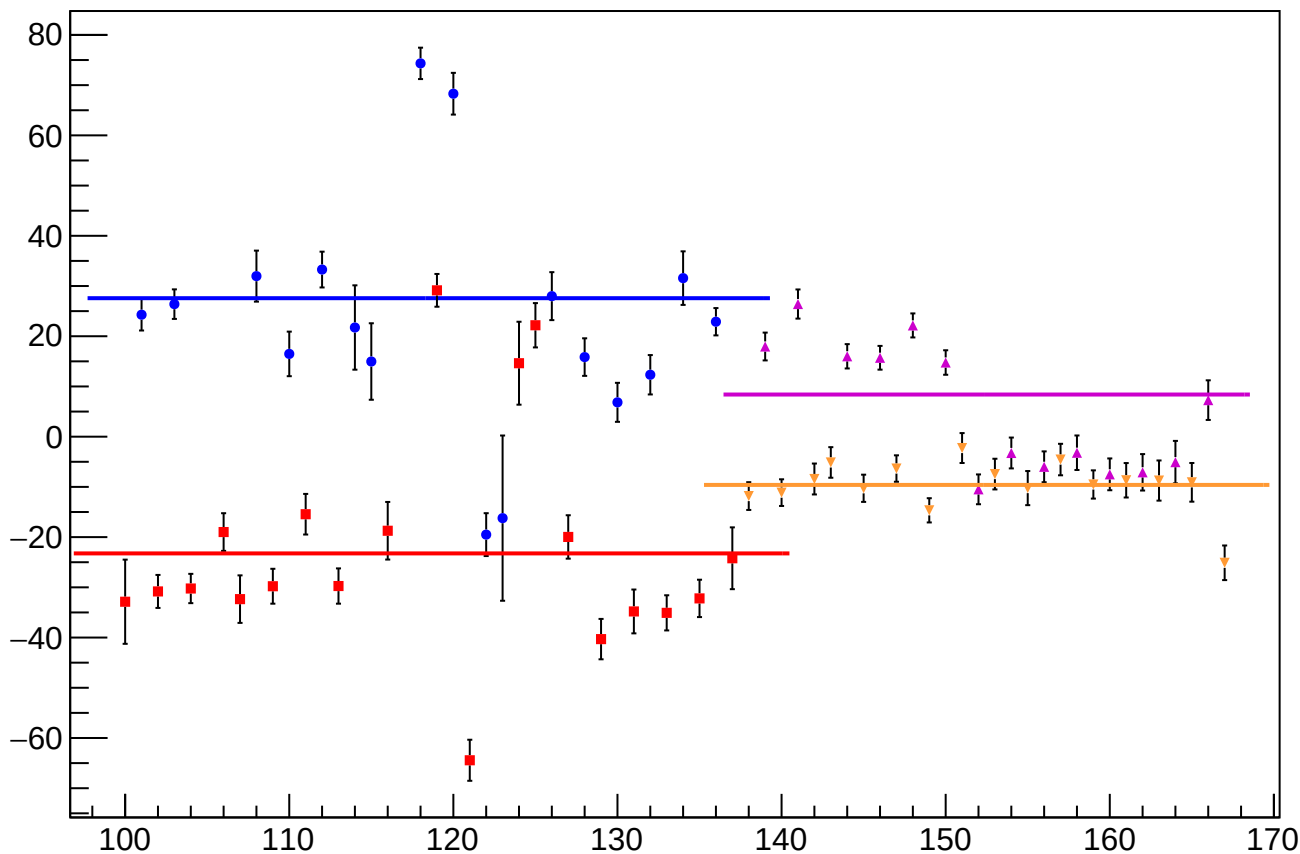
Left In: 1970.108+/-0.435 χ^2/NDF : 886785.0/13

+ sign 2109.677+/-0.353 χ^2/NDF : 1279029.2/32

All: 2101.477+/-0.251 χ^2/NDF : 2519072.7/65

- sign 2093.065+/-0.357 χ^2/NDF : 1238948.1/32

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

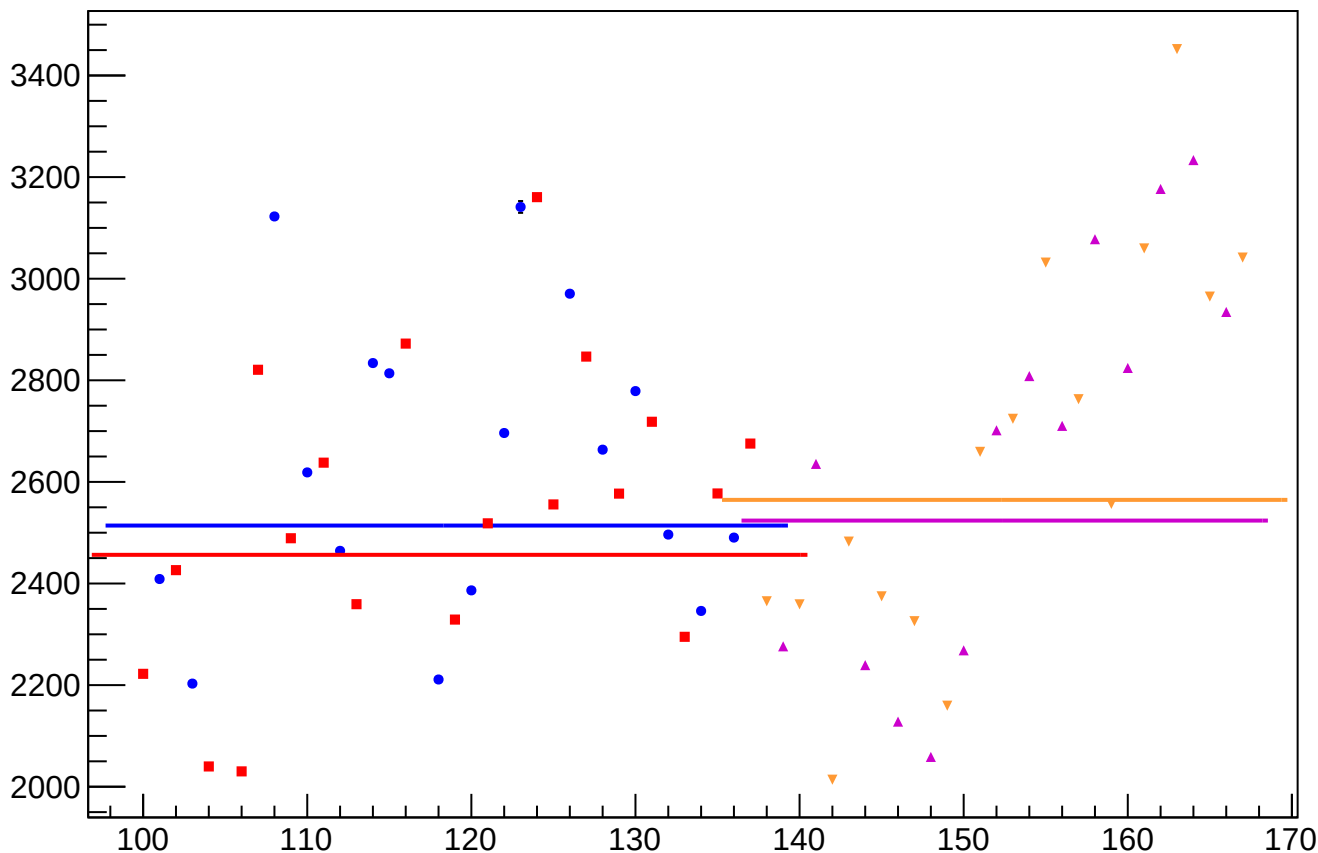
Left In: 8.393 ± 0.779 χ^2/NDF : 251.6/13

+ sign 4.249 ± 0.595 χ^2/NDF : 1471.3/32

All: -0.217 ± 0.421 χ^2/NDF : 3076.2/65

- sign -4.704 ± 0.596 χ^2/NDF : 1492.0/32

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

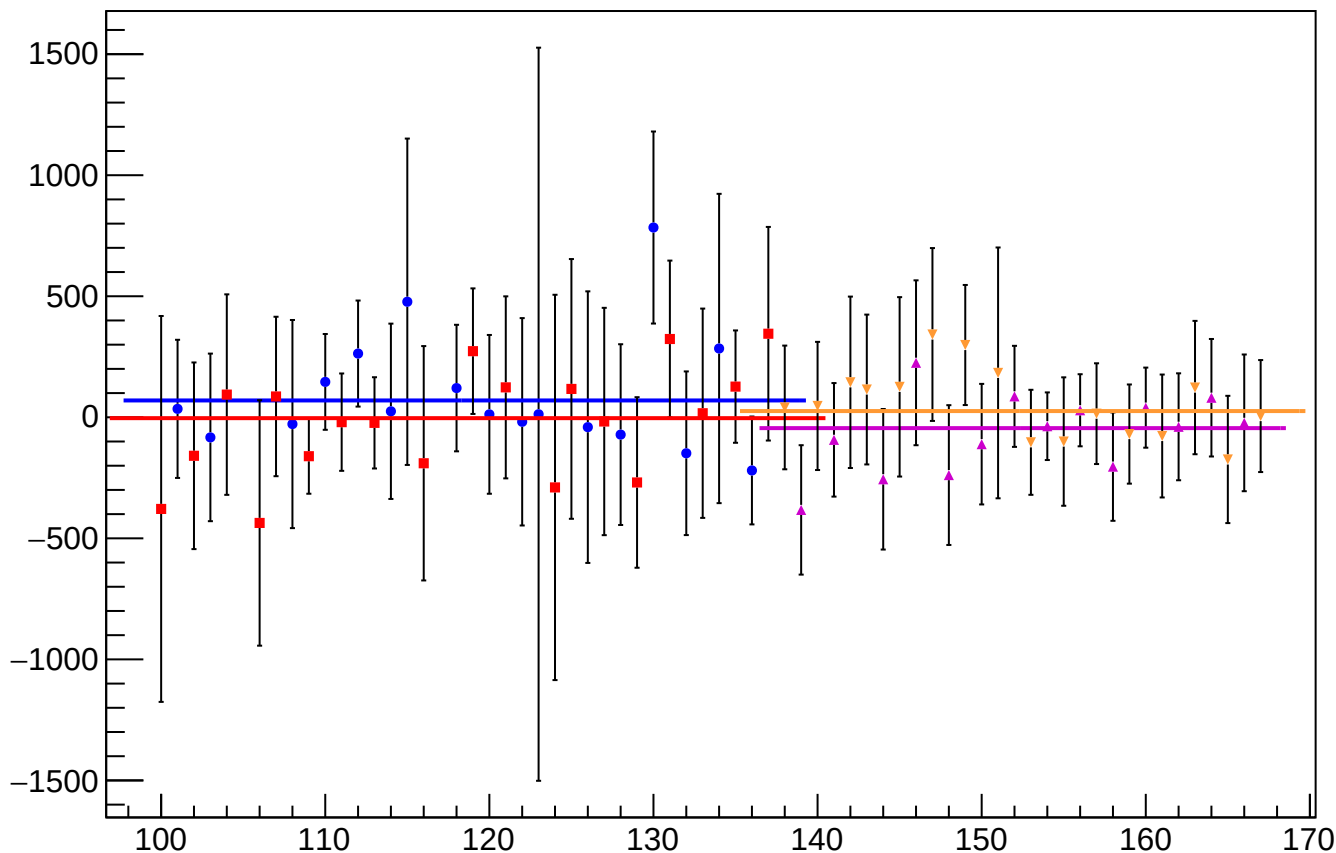
Left In: 2523.883+/-0.551 χ^2/NDF : 444544.1/13

+ sign 2545.800+/-0.421 χ^2/NDF : 548190.9/32

All: 2520.945+/-0.298 χ^2/NDF : 1155664.1/65

- sign 2495.971+/-0.422 χ^2/NDF : 600477.0/32

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 69.587 $\pm$ 79.023 χ^2 /NDF: 7.3/16

Left Out: 25.730 $\pm$ 66.318 χ^2 /NDF: 4.0/15

Right Out: -3.562 $\pm$ 69.980 χ^2 /NDF: 6.4/18

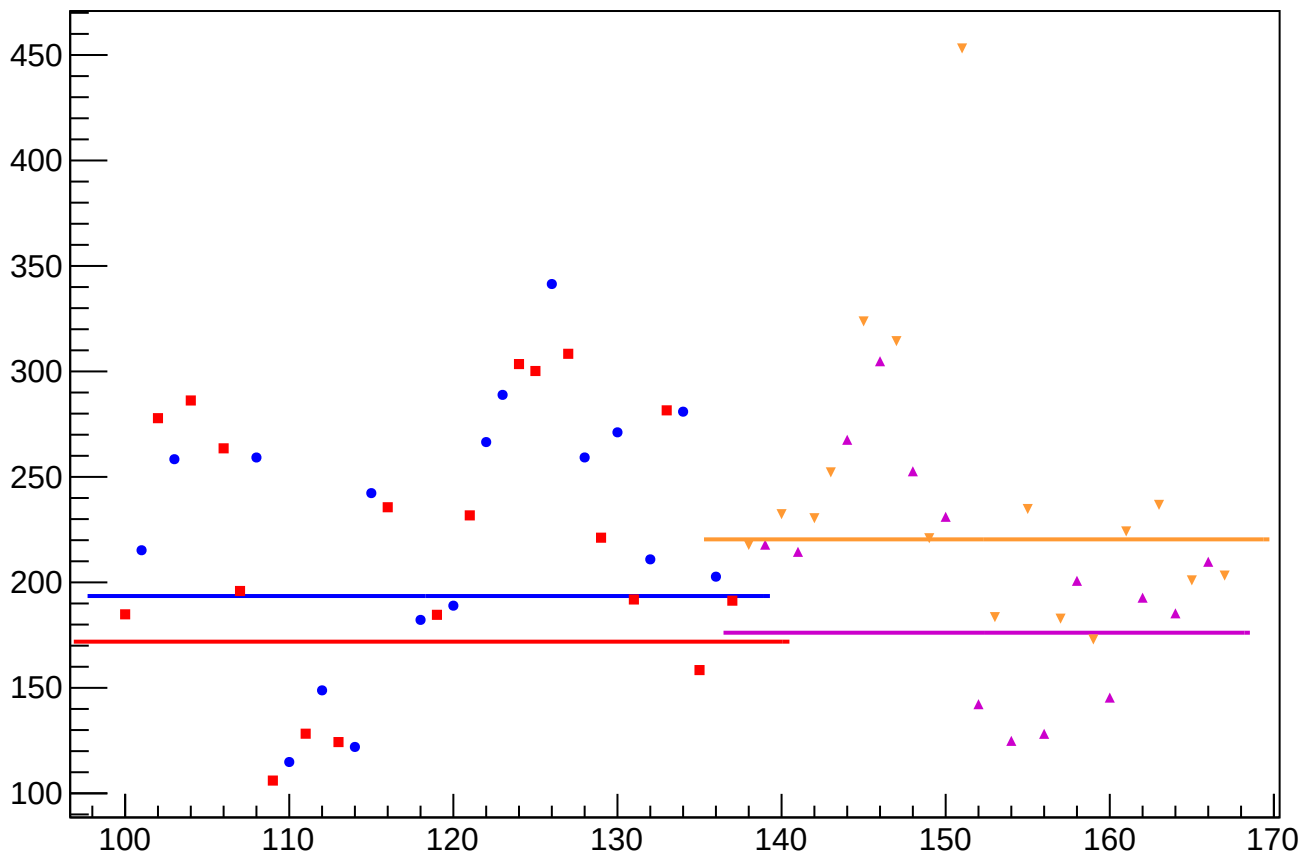
Left In: -44.751 $\pm$ 57.105 χ^2 /NDF: 5.0/13

+ sign 43.854 $\pm$ 50.799 χ^2 /NDF: 11.5/32

All: 2.831 $\pm$ 33.364 χ^2 /NDF: 24.3/65

- sign -28.287 $\pm$ 44.244 χ^2 /NDF: 11.6/32

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

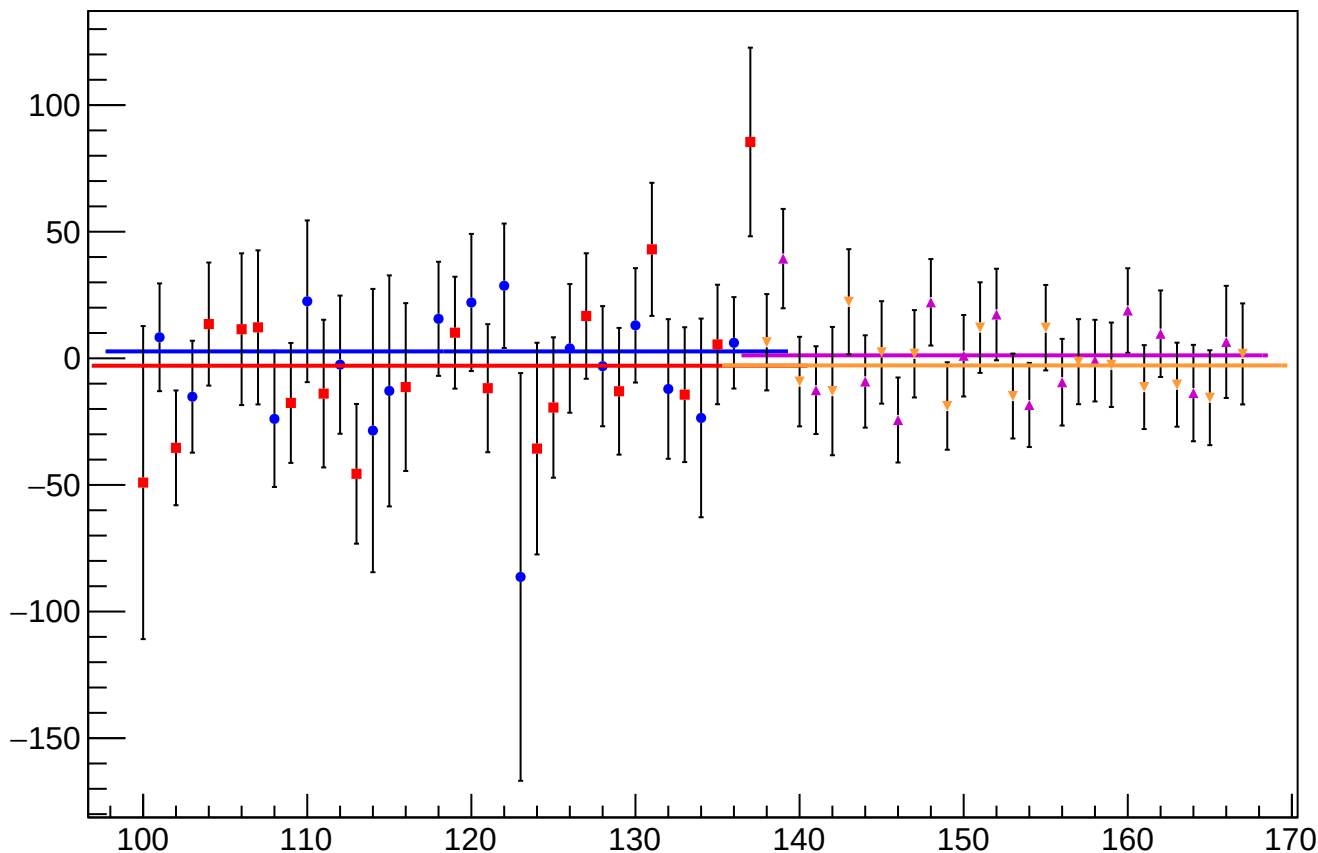
Left In: 176.140 $\pm$ 0.040 χ^2 /NDF:1489554.1/13

+ sign 209.293 $\pm$ 0.036 χ^2 /NDF: 2136259.0/32

All: 189.477 $\pm$ 0.024 χ^2 /NDF: 5742294.6/65

- sign 174.445 $\pm$ 0.031 χ^2 /NDF: 3070843.2/32

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 ± 6.424 χ^2/NDF : 6.8/16

Left Out: -2.804 ± 4.519 χ^2/NDF : 6.0/15

Right Out: -2.928 ± 6.279 χ^2/NDF : 17.8/18

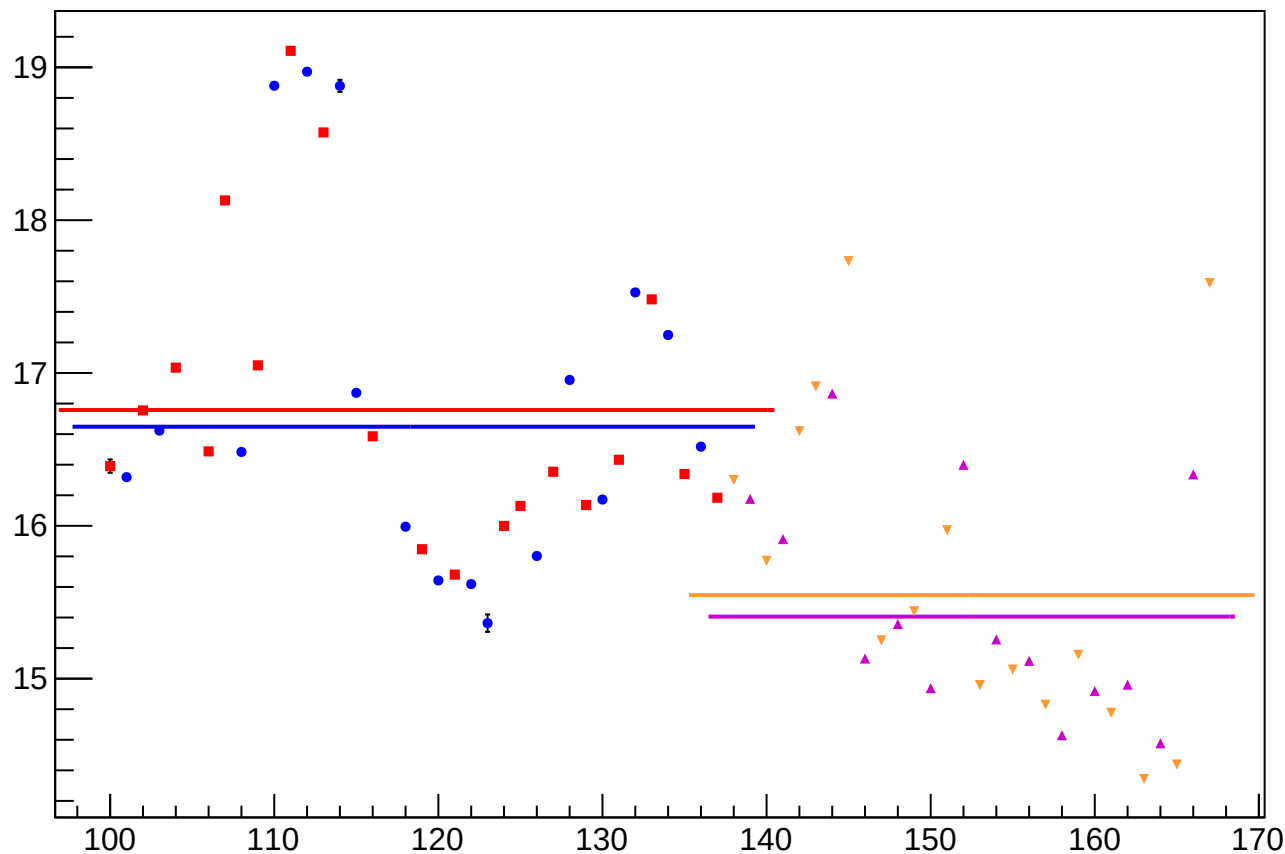
Left In: 1.167 ± 4.686 χ^2/NDF : 13.2/13

+ sign -0.971 ± 3.696 χ^2/NDF : 13.3/32

All: -0.640 ± 2.634 χ^2/NDF : 44.5/65

- sign -0.298 ± 3.756 χ^2/NDF : 31.2/32

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

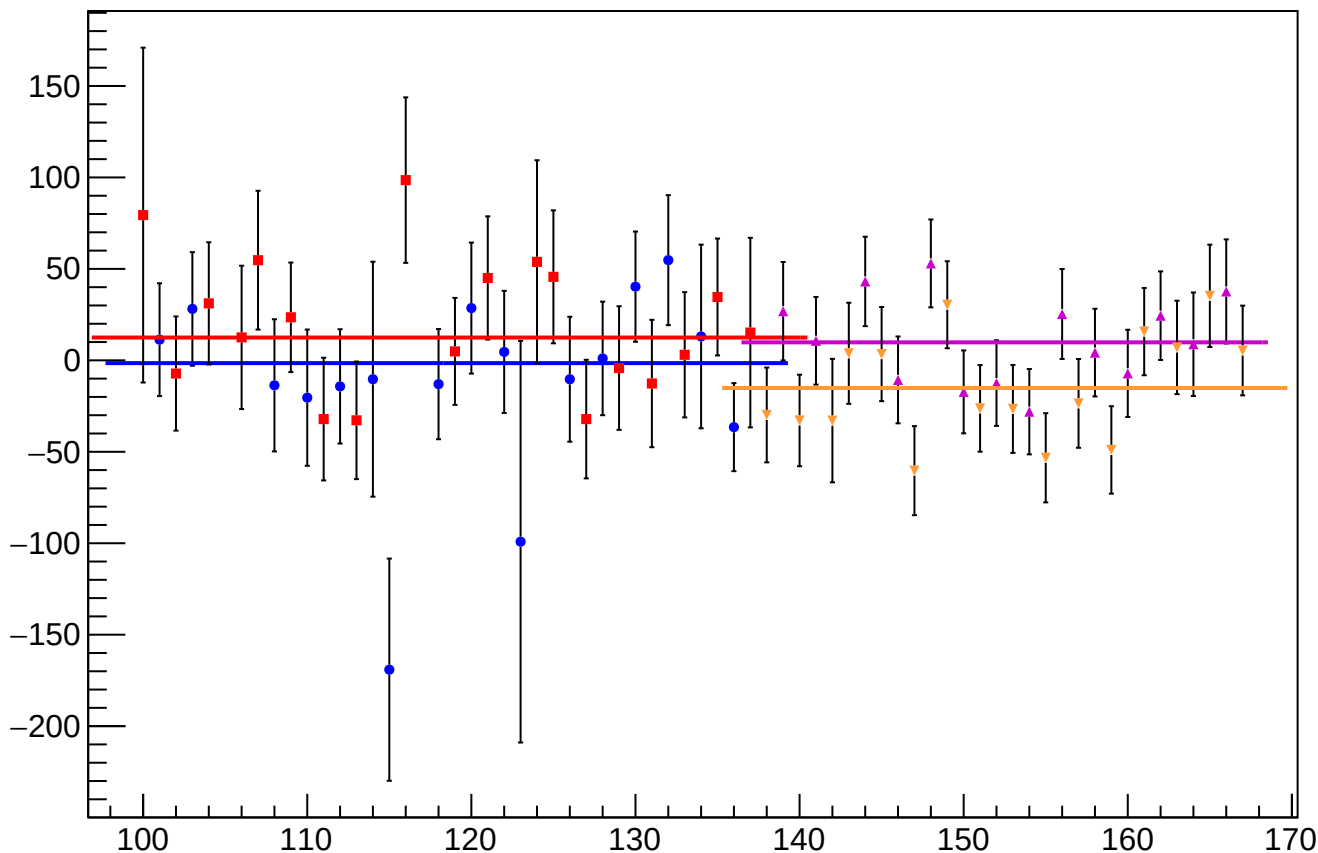
Left In: 15.406 $\pm$ 0.003 χ^2 /NDF: 41646.2/13

+ sign 15.911 $\pm$ 0.003 χ^2 /NDF: 174400.7/32

All: 15.901 $\pm$ 0.002 χ^2 /NDF: 315561.2/65

- sign 15.890 $\pm$ 0.003 χ^2 /NDF: 141126.7/32

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

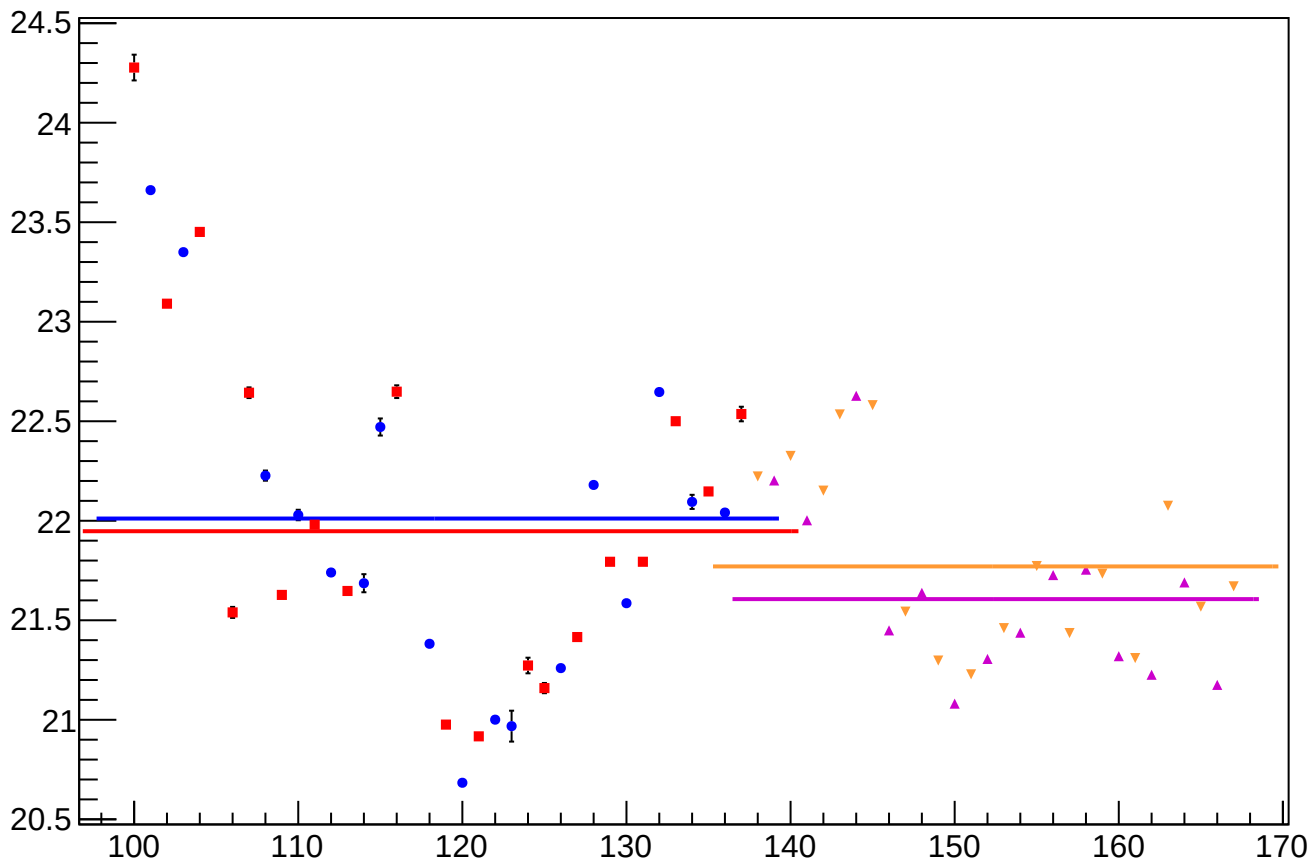
Left In: 9.836 ± 6.557 χ^2/NDF : 13.5/13

+ sign -10.270 ± 5.064 χ^2/NDF : 39.9/32

All: 0.172 ± 3.602 χ^2/NDF : 77.6/65

- sign 10.864 ± 5.124 χ^2/NDF : 29.1/32

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

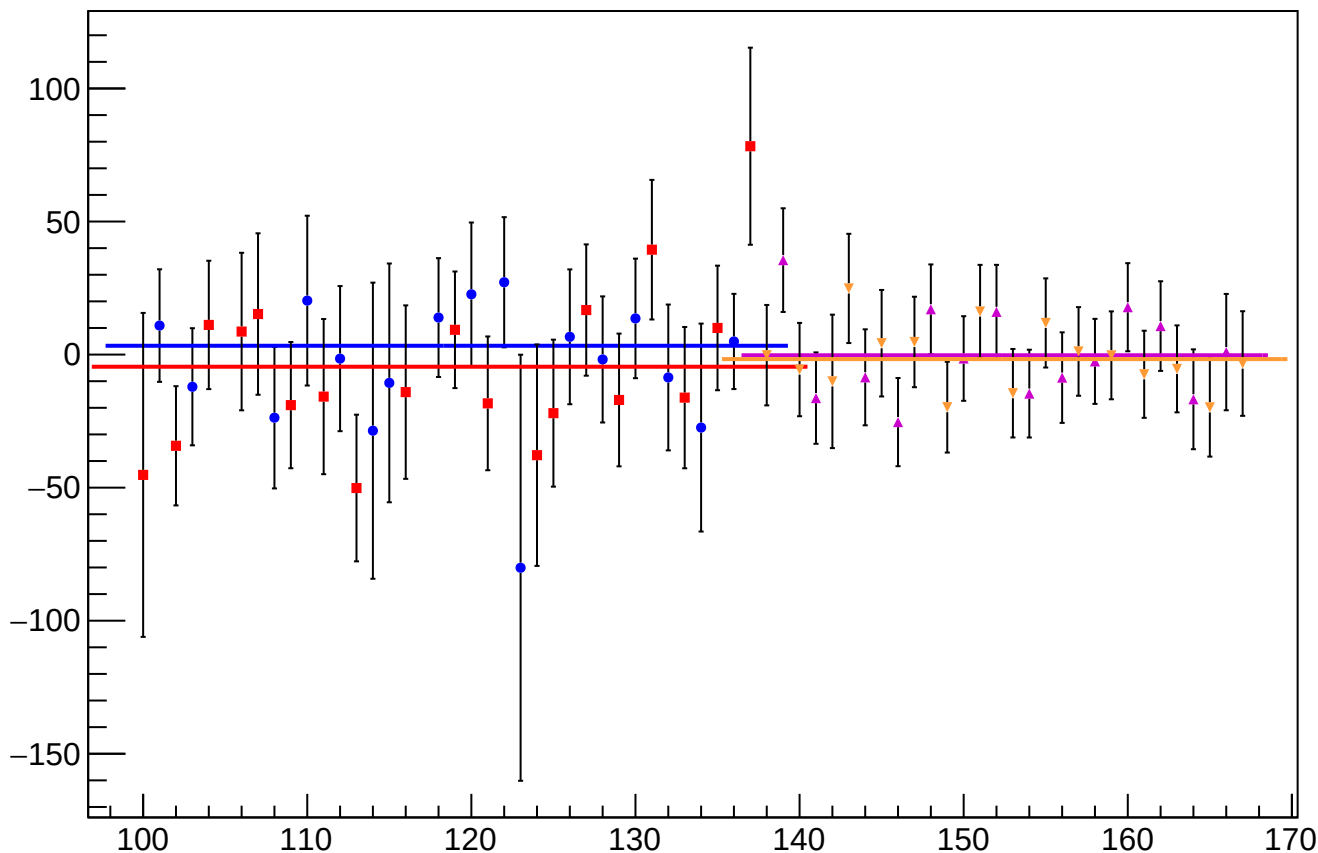
Left In: 21.606 $\pm$ 0.005 χ^2 /NDF: 8006.8/13

+ sign 21.856 $\pm$ 0.004 χ^2 /NDF: 27837.8/32

All: 21.798 $\pm$ 0.003 χ^2 /NDF: 55073.9/65

- sign 21.739 $\pm$ 0.004 χ^2 /NDF: 26707.8/32

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

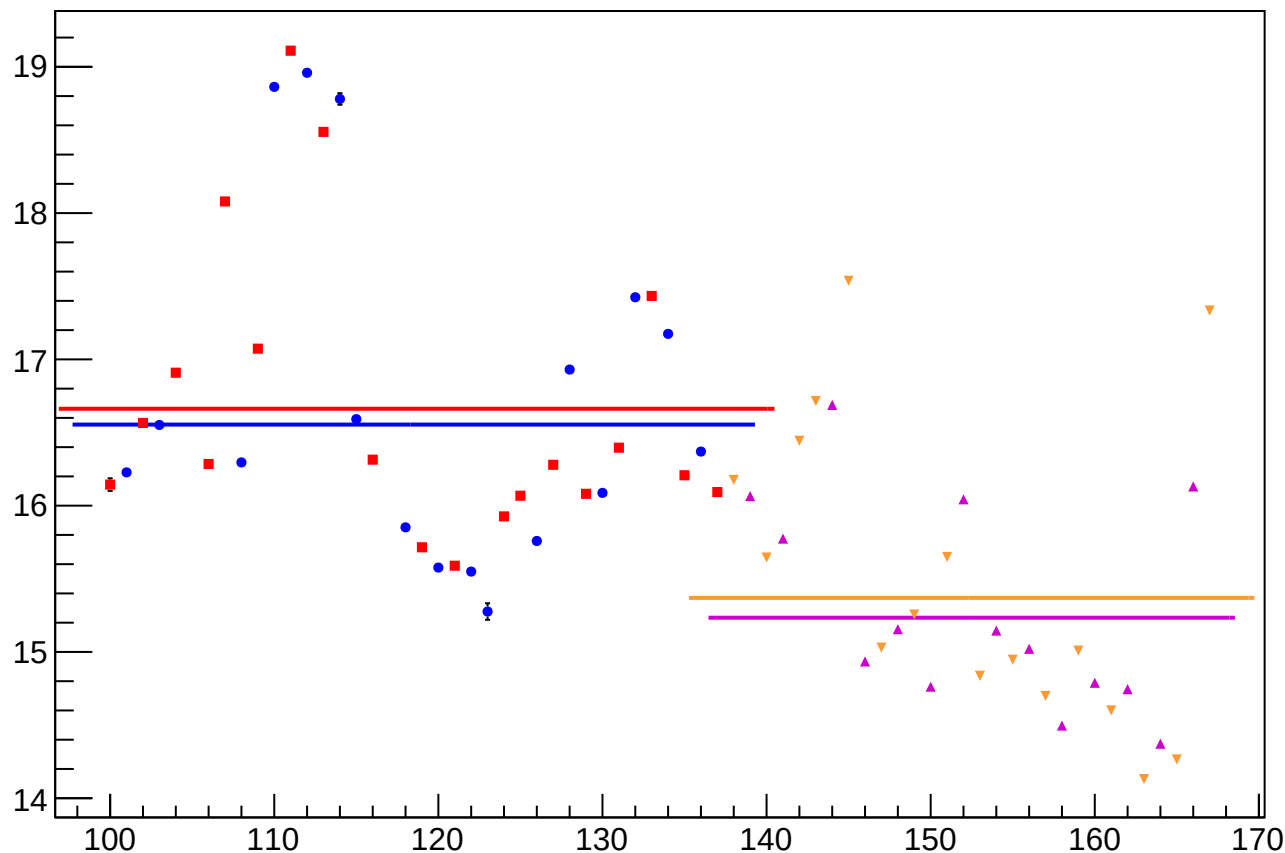
Left In: -0.256 ± 4.633 χ^2/NDF : 12.1/13

+ sign -0.052 ± 3.661 χ^2/NDF : 13.3/32

All: -0.904 ± 2.610 χ^2/NDF : 43.6/65

- sign -1.785 ± 3.721 χ^2/NDF : 30.1/32

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

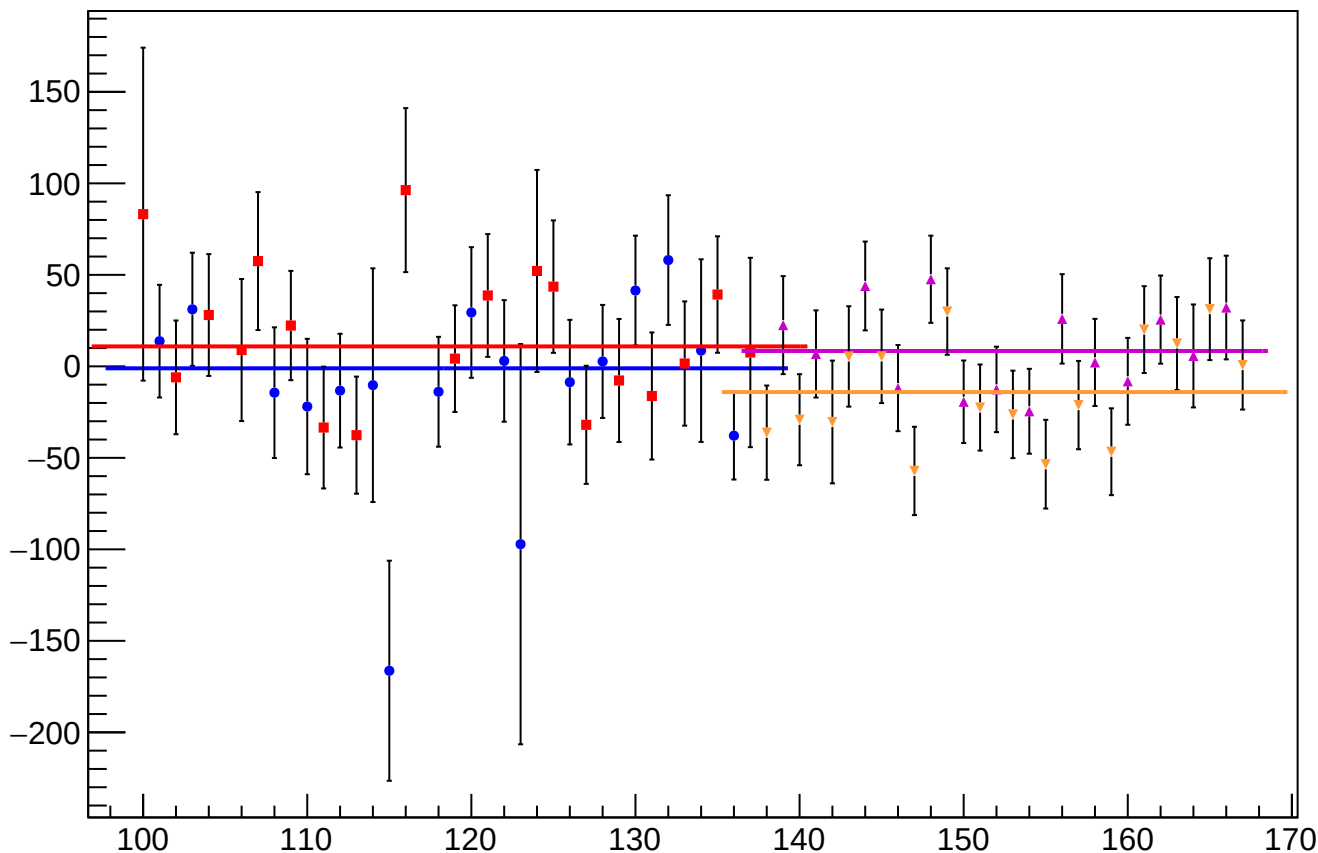
Left In: 15.234 $\pm$ 0.003 χ^2 /NDF: 40622.2/13

+ sign 15.759 $\pm$ 0.003 χ^2 /NDF: 182471.8/32

All: 15.750 $\pm$ 0.002 χ^2 /NDF: 333677.9/65

- sign 15.741 $\pm$ 0.003 χ^2 /NDF: 151183.6/32

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.068 ± 8.444 χ^2/NDF : 18.5/16

Left Out: -14.068 ± 6.270 χ^2/NDF : 20.3/15

Right Out: 10.900 ± 8.169 χ^2/NDF : 16.2/18

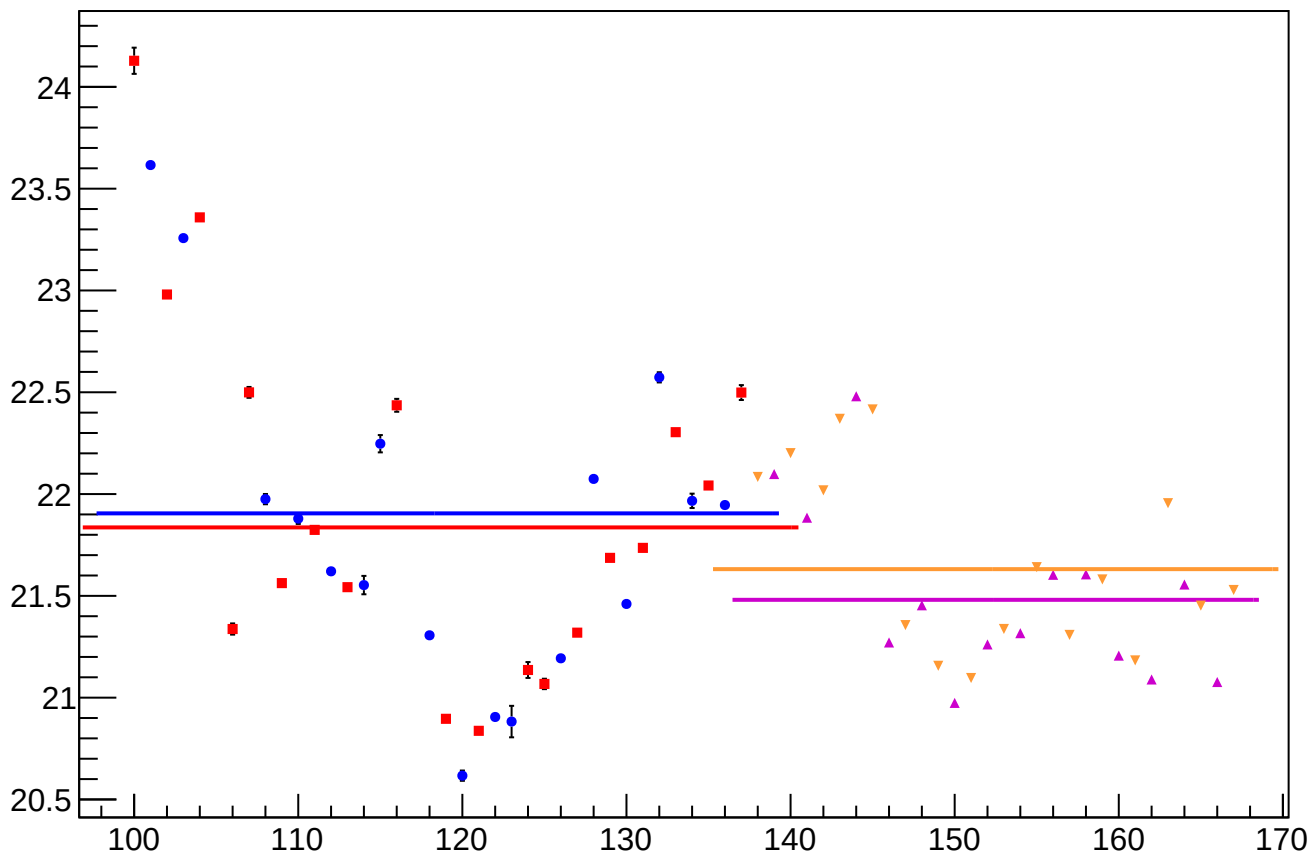
Left In: 8.397 ± 6.519 χ^2/NDF : 12.5/13

+ sign -9.449 ± 5.034 χ^2/NDF : 40.3/32

All: -0.153 ± 3.581 χ^2/NDF : 76.0/65

- sign 9.371 ± 5.095 χ^2/NDF : 28.8/32

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

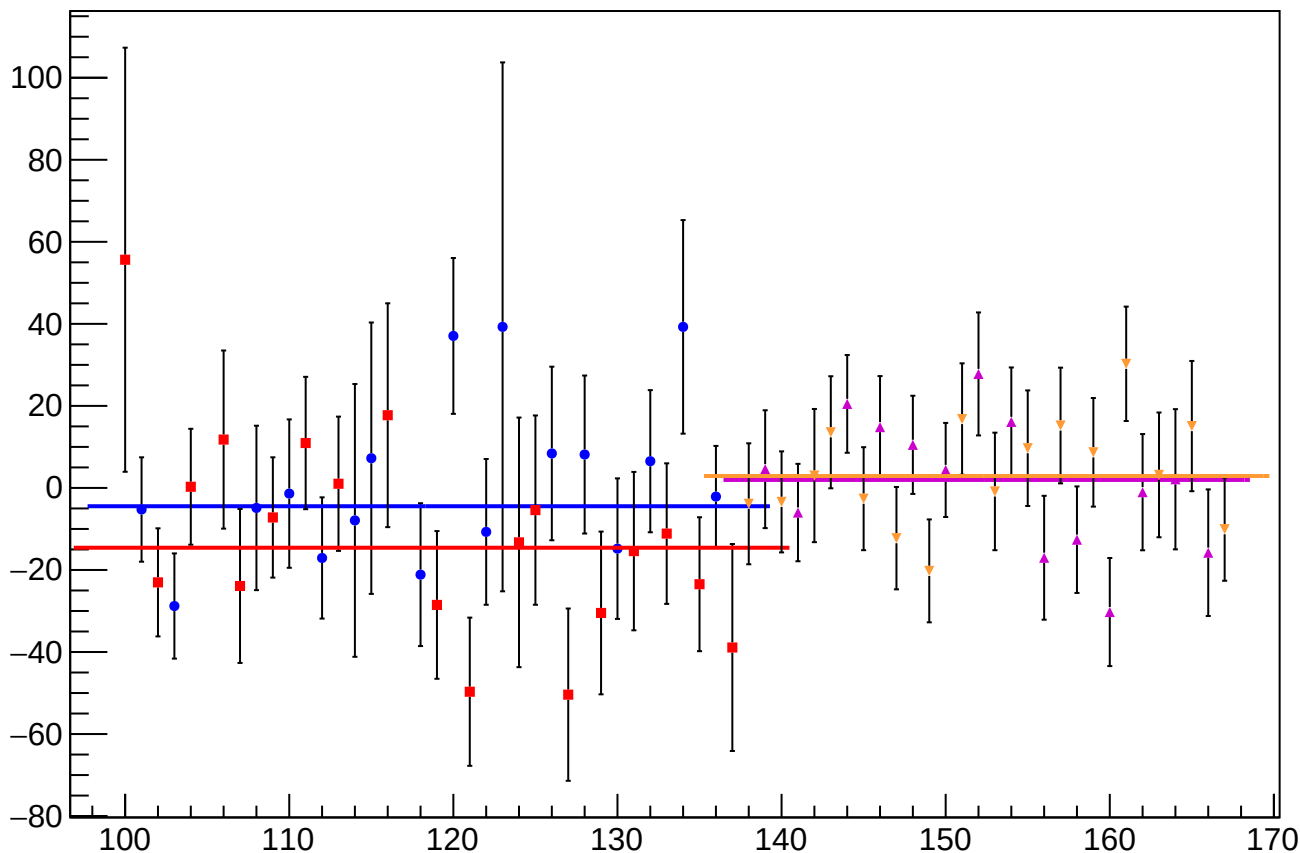
Left In: 21.481 $\pm$ 0.005 χ^2/NDF : 7797.3/13

+ sign 21.729 $\pm$ 0.004 χ^2/NDF : 28346.4/32

All: 21.674 $\pm$ 0.003 χ^2/NDF : 55180.1/65

- sign 21.619 $\pm$ 0.004 χ^2/NDF : 26364.7/32

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.461 ± 4.329 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 2.903 ± 3.424 $\chi^2/\text{NDF}: 13.9/15$

Right Out: -14.579 ± 4.264 $\chi^2/\text{NDF}: 19.5/18$

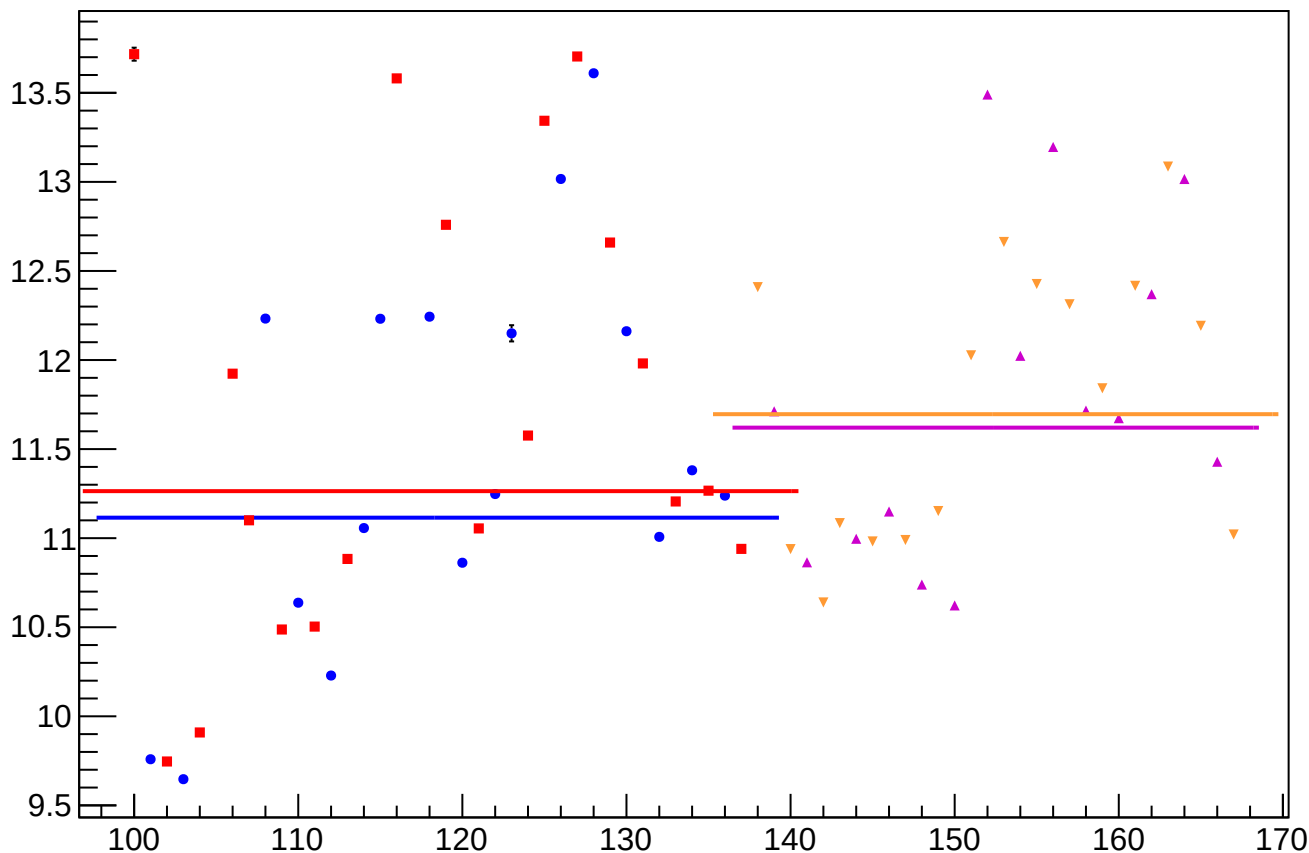
Left In: 1.948 ± 3.561 $\chi^2/\text{NDF}: 18.8/13$

+ sign 0.069 ± 2.685 $\chi^2/\text{NDF}: 30.9/32$

All: -2.344 ± 1.916 $\chi^2/\text{NDF}: 79.7/65$

- sign -4.844 ± 2.733 $\chi^2/\text{NDF}: 47.2/32$

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

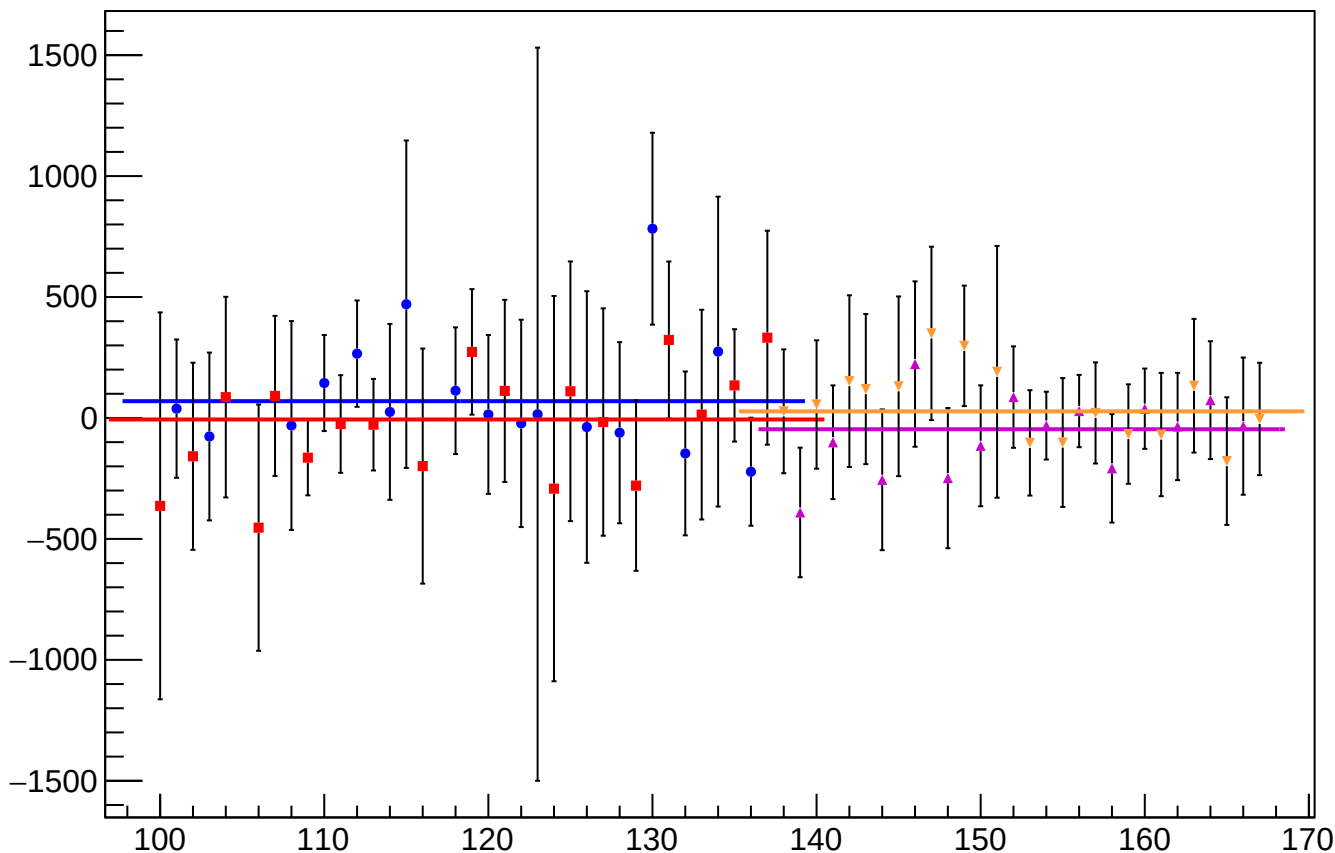
Left In: 11.620 $\pm$ 0.003 χ^2 /NDF: 116639.6/13

+ sign 11.472 $\pm$ 0.002 χ^2 /NDF: 246089.3/32

All: 11.473 $\pm$ 0.001 χ^2 /NDF: 518446.2/65

- sign 11.474 $\pm$ 0.002 χ^2 /NDF: 272356.5/32

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470 ± 79.231 $\chi^2/\text{NDF}: 7.3/16$

Left Out: 27.483 ± 66.550 $\chi^2/\text{NDF}: 4.1/15$

Right Out: -6.194 ± 70.182 $\chi^2/\text{NDF}: 6.5/18$

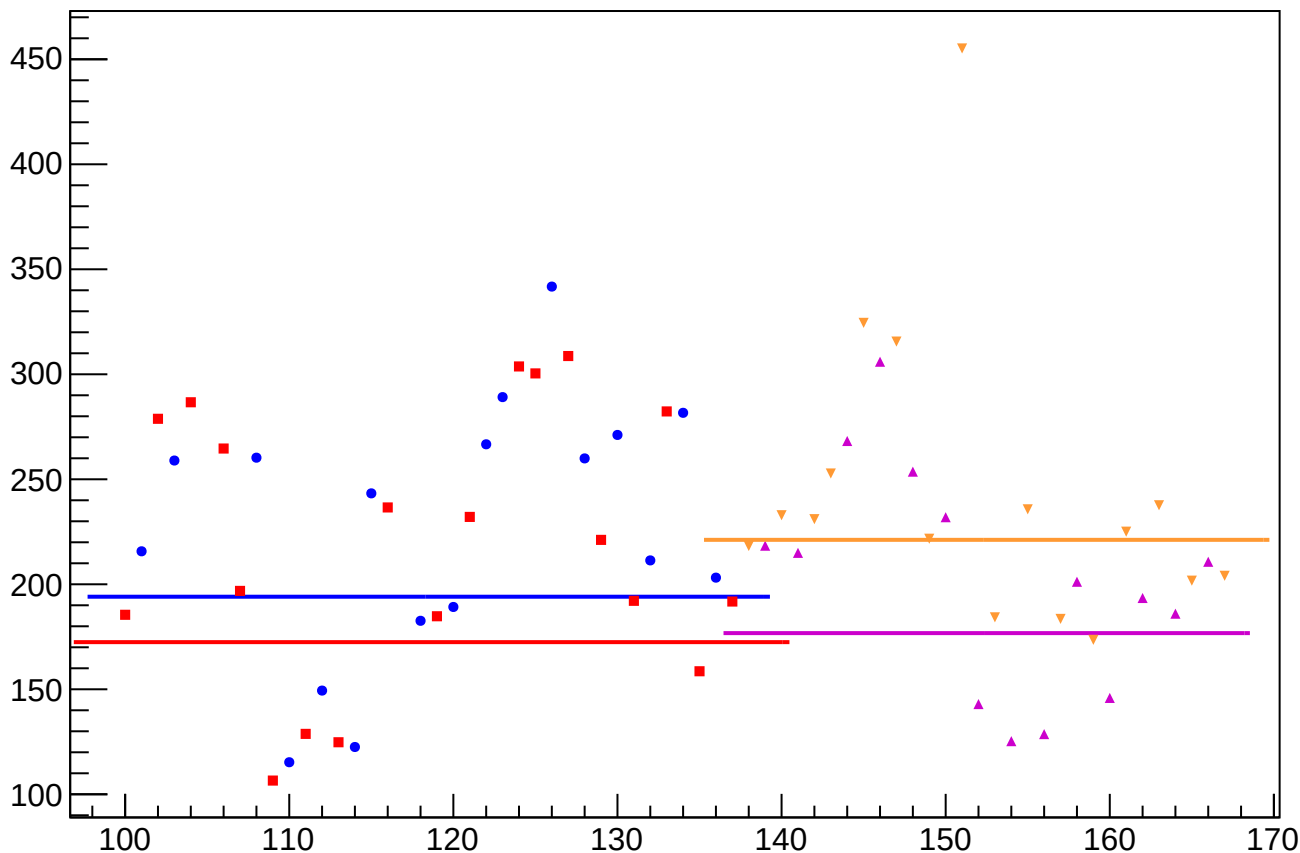
Left In: -46.563 ± 57.301 $\chi^2/\text{NDF}: 5.1/13$

+ sign 44.852 ± 50.959 $\chi^2/\text{NDF}: 11.5/32$

All: 2.053 ± 33.470 $\chi^2/\text{NDF}: 24.6/65$

- sign -30.417 ± 44.386 $\chi^2/\text{NDF}: 11.8/32$

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.082+/-0.056 χ^2/NDF : 1005395.7/16

Left Out: 221.166+/-0.047 χ^2/NDF : 989312.3/15

Right Out: 172.452+/-0.050 χ^2/NDF : 1569463.1/18

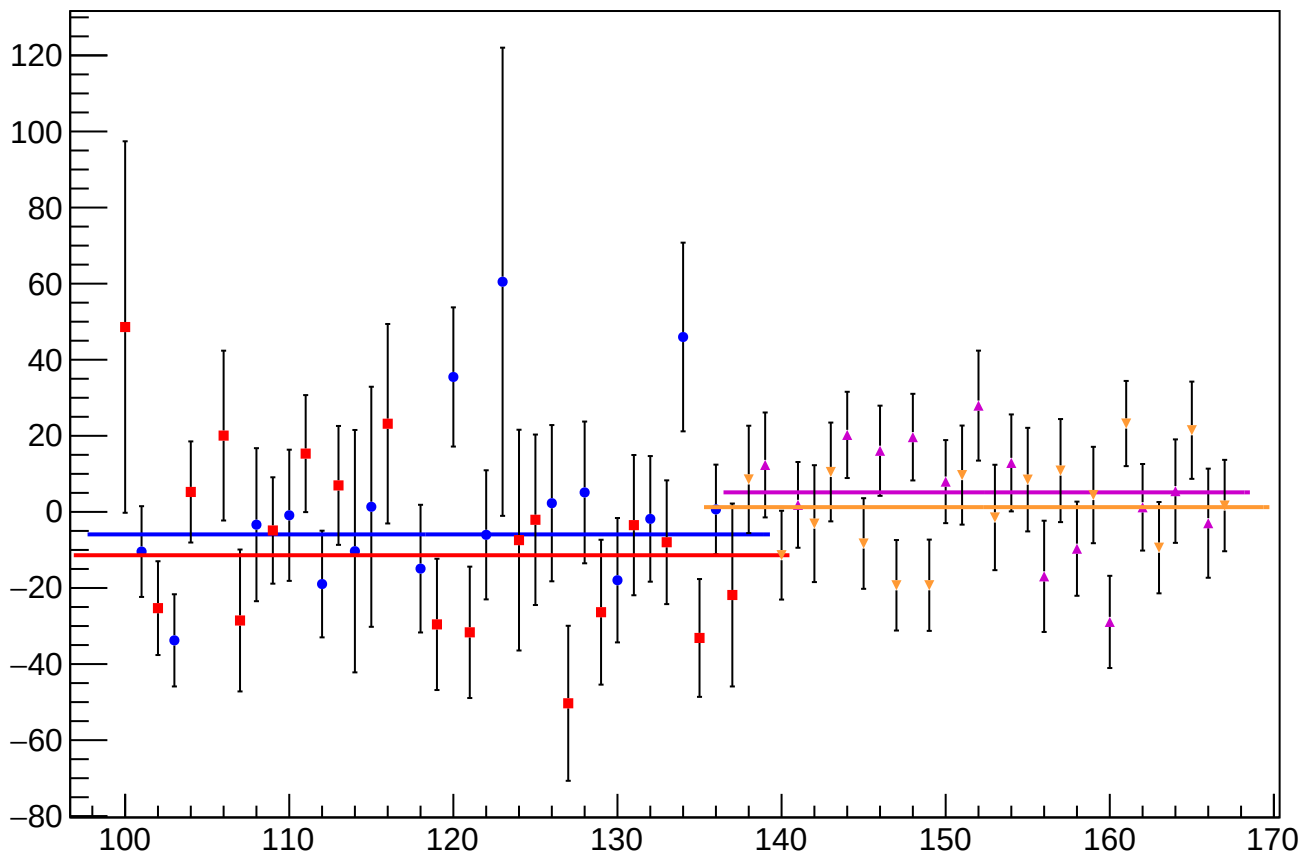
Left In: 176.749+/-0.041 χ^2/NDF : 1487672.6/13

+ sign 209.962+/-0.036 χ^2/NDF : 2131740.4/32

All: 190.099+/-0.024 χ^2/NDF : 5727765.5/65

- sign 175.030+/-0.031 χ^2/NDF : 3061634.2/32

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

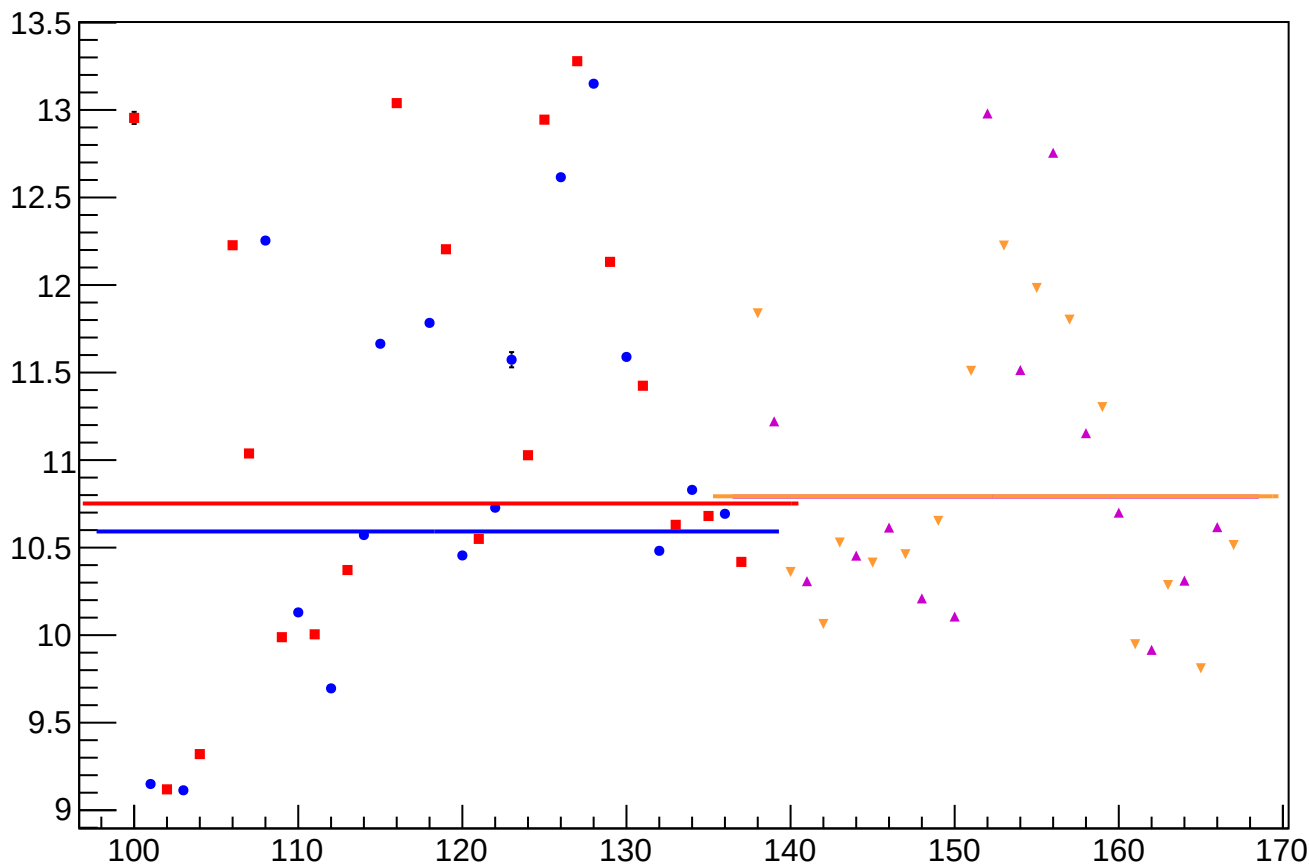
Left In: 5.137 ± 3.313 χ^2/NDF : 19.6/13

+ sign -1.398 ± 2.514 χ^2/NDF : 37.8/32

All: -1.416 ± 1.798 χ^2/NDF : 90.1/65

- sign -1.435 ± 2.572 χ^2/NDF : 52.3/32

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

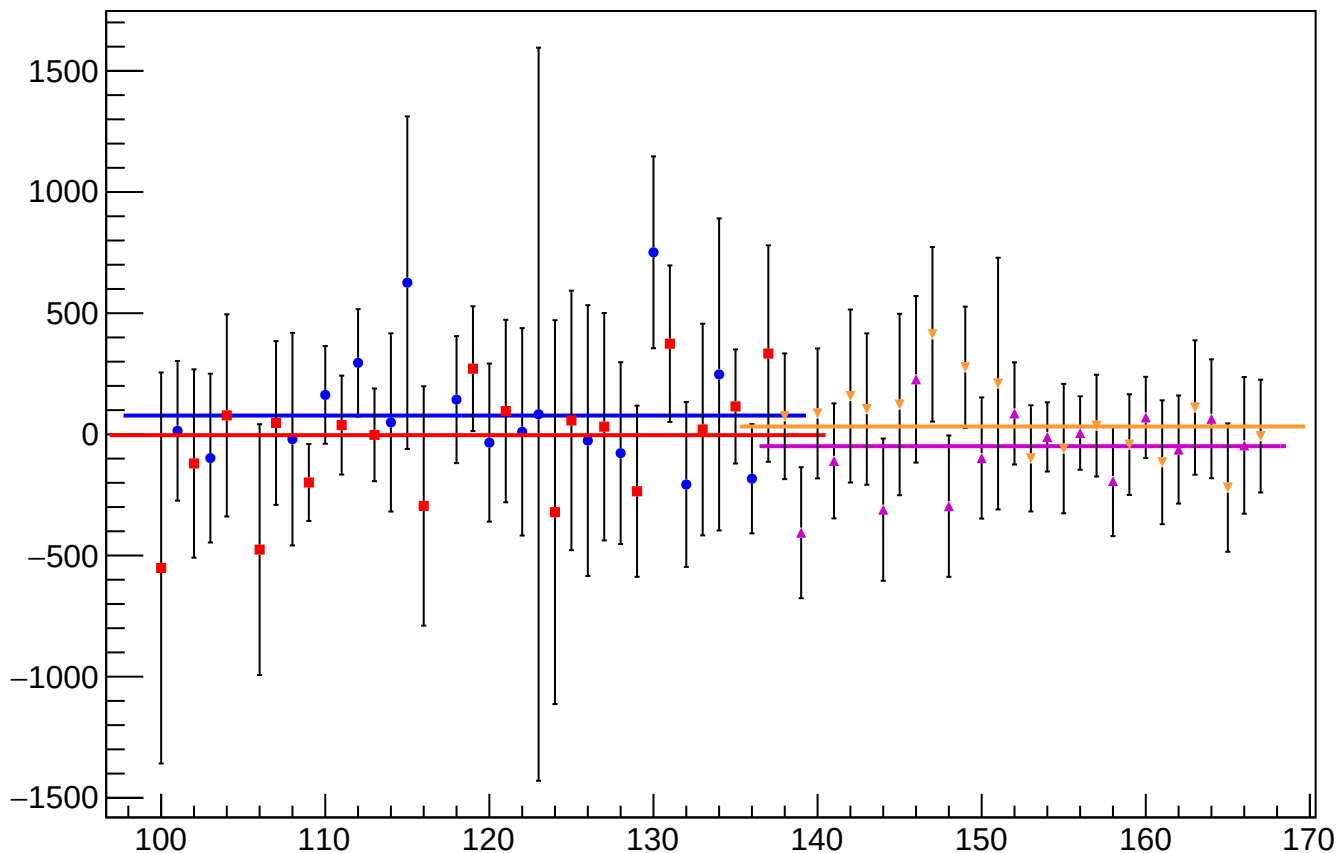
Left In: 10.791 $\pm$ 0.002 χ^2/NDF : 125756.9/13

+ sign 10.719 $\pm$ 0.002 χ^2/NDF : 271164.7/32

All: 10.747 $\pm$ 0.001 χ^2/NDF : 574428.8/65

- sign 10.776 $\pm$ 0.002 χ^2/NDF : 302764.6/32

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 77.589+/-79.751 χ^2/NDF : 7.6/16

Left Out: 32.441+/-66.953 χ^2/NDF : 4.4/15

Right Out: -3.305+/-70.855 χ^2/NDF : 7.4/18

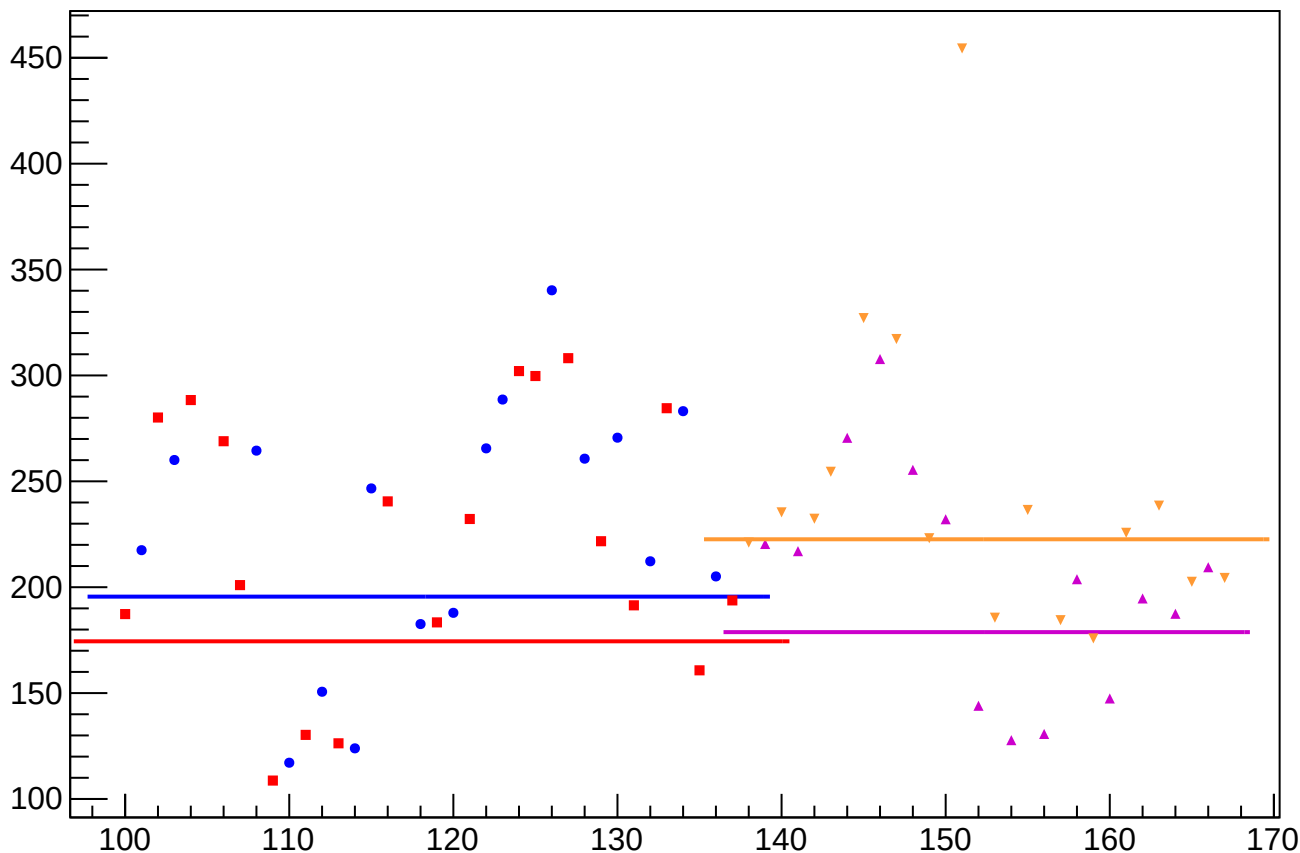
Left In: -48.852+/-57.873 χ^2/NDF : 5.7/13

+ sign 51.107+/-51.278 χ^2/NDF : 12.2/32

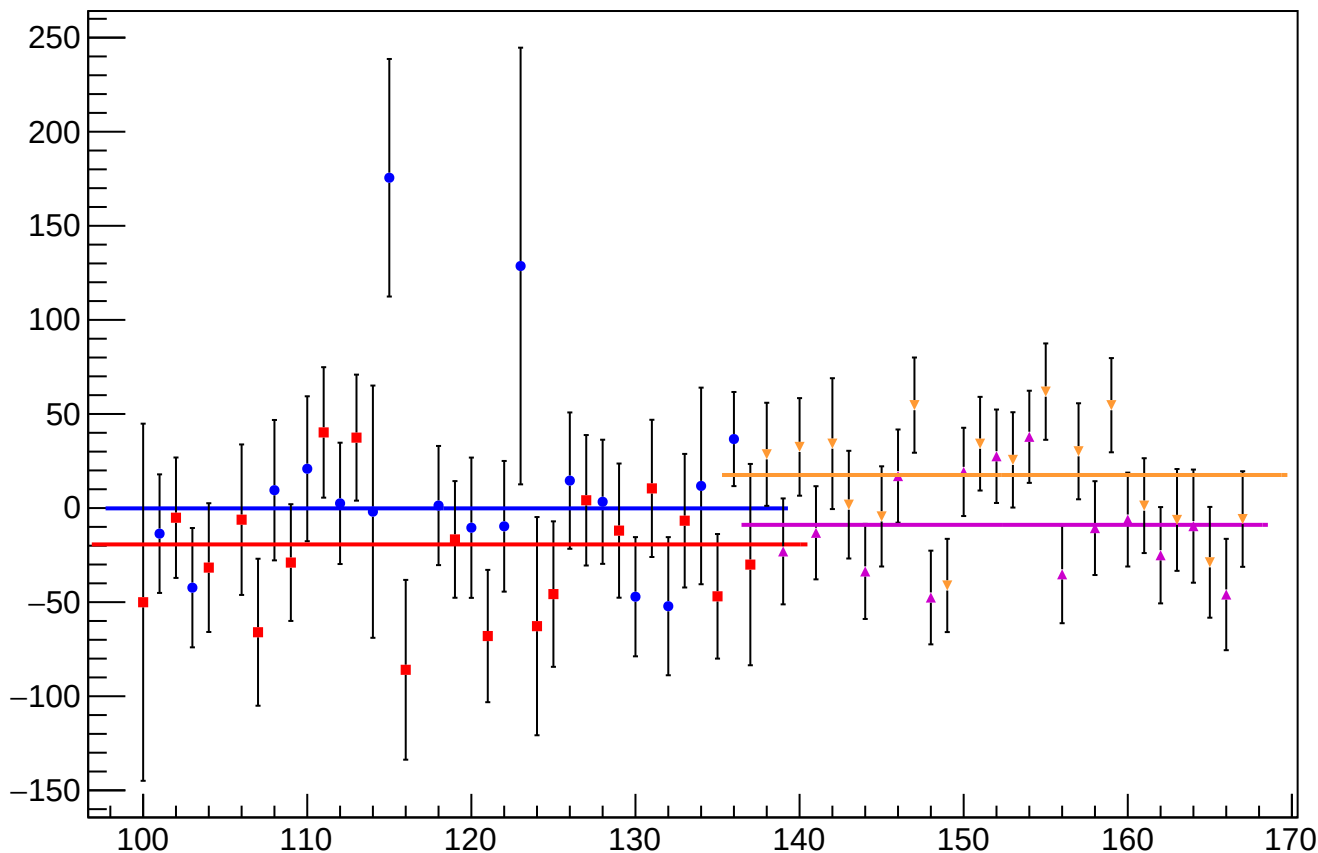
All: 4.774+/-33.747 χ^2/NDF : 27.0/65

- sign -30.626+/-44.822 χ^2/NDF : 13.3/32

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



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

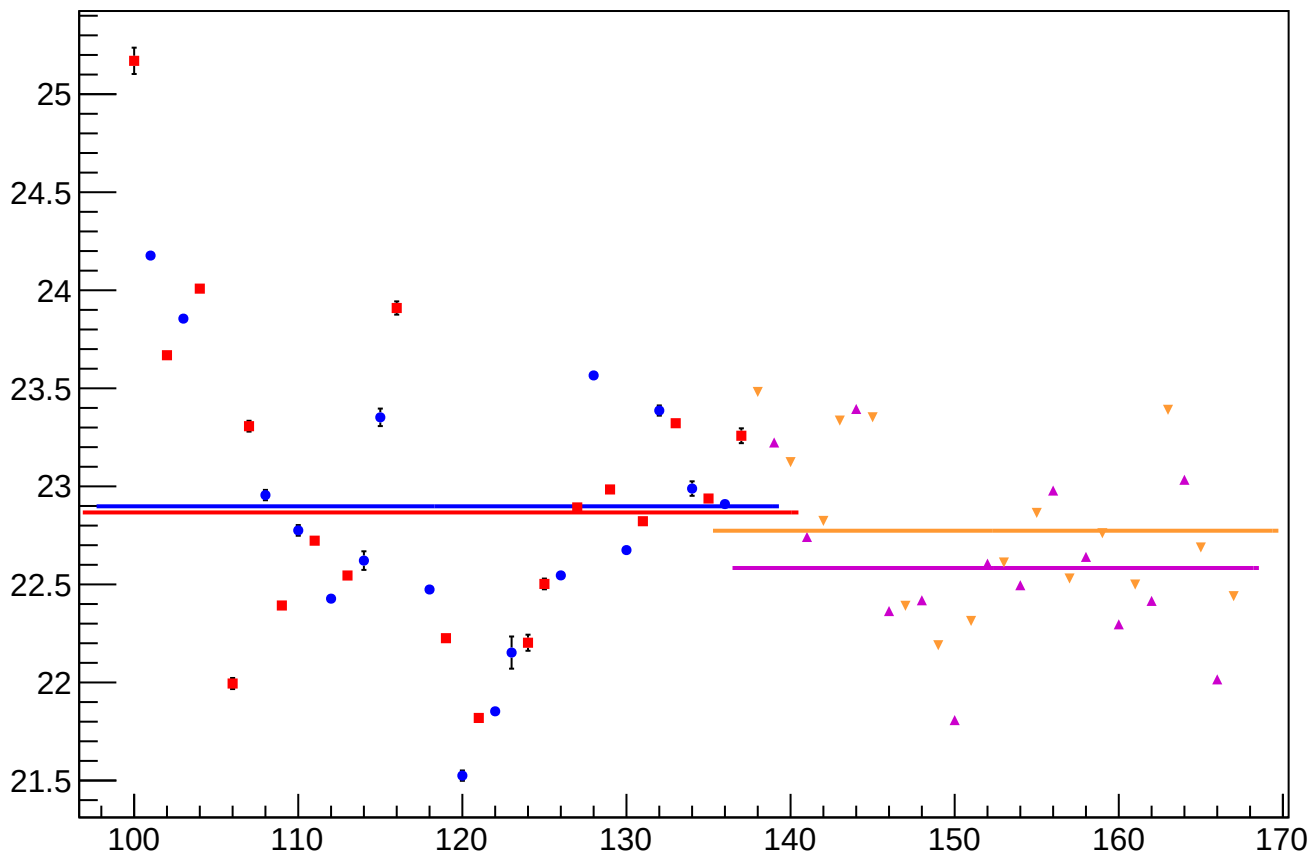
Left In: -8.917 ± 6.854 χ^2/NDF : 15.0/13

+ sign 11.216 ± 5.287 χ^2/NDF : 40.6/32

All: -0.742 ± 3.760 χ^2/NDF : 81.7/65

- sign -12.984 ± 5.349 χ^2/NDF : 30.7/32

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 $\pm$ 0.006 χ^2 /NDF: 12143.3/16

Left Out: 22.774 $\pm$ 0.005 χ^2 /NDF: 7598.0/15

Right Out: 22.867 $\pm$ 0.006 χ^2 /NDF: 11048.4/18

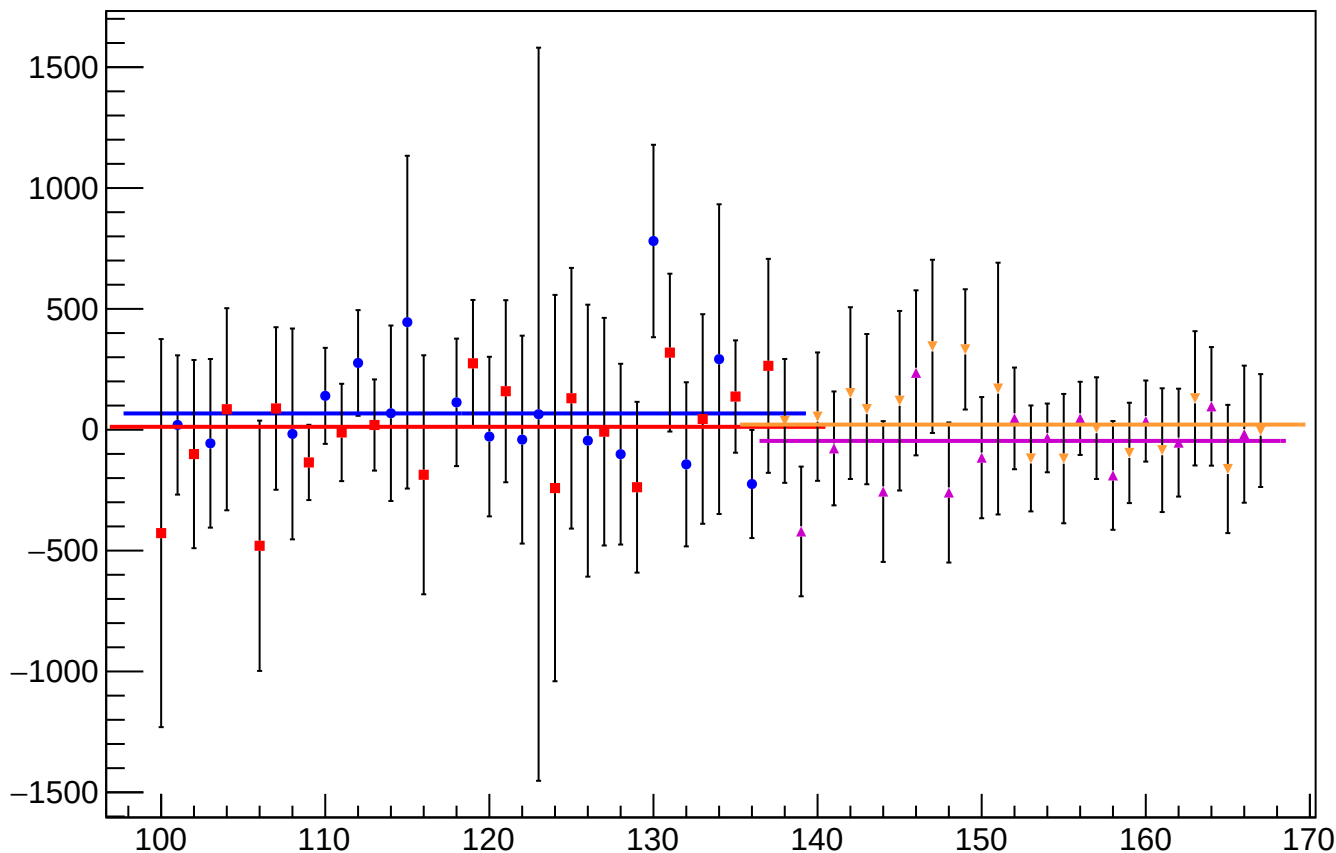
Left In: 22.584 $\pm$ 0.005 χ^2 /NDF: 7644.8/13

+ sign 22.818 $\pm$ 0.004 χ^2 /NDF: 19996.5/32

All: 22.757 $\pm$ 0.003 χ^2 /NDF: 40568.8/65

- sign 22.695 $\pm$ 0.004 χ^2 /NDF: 20028.7/32

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

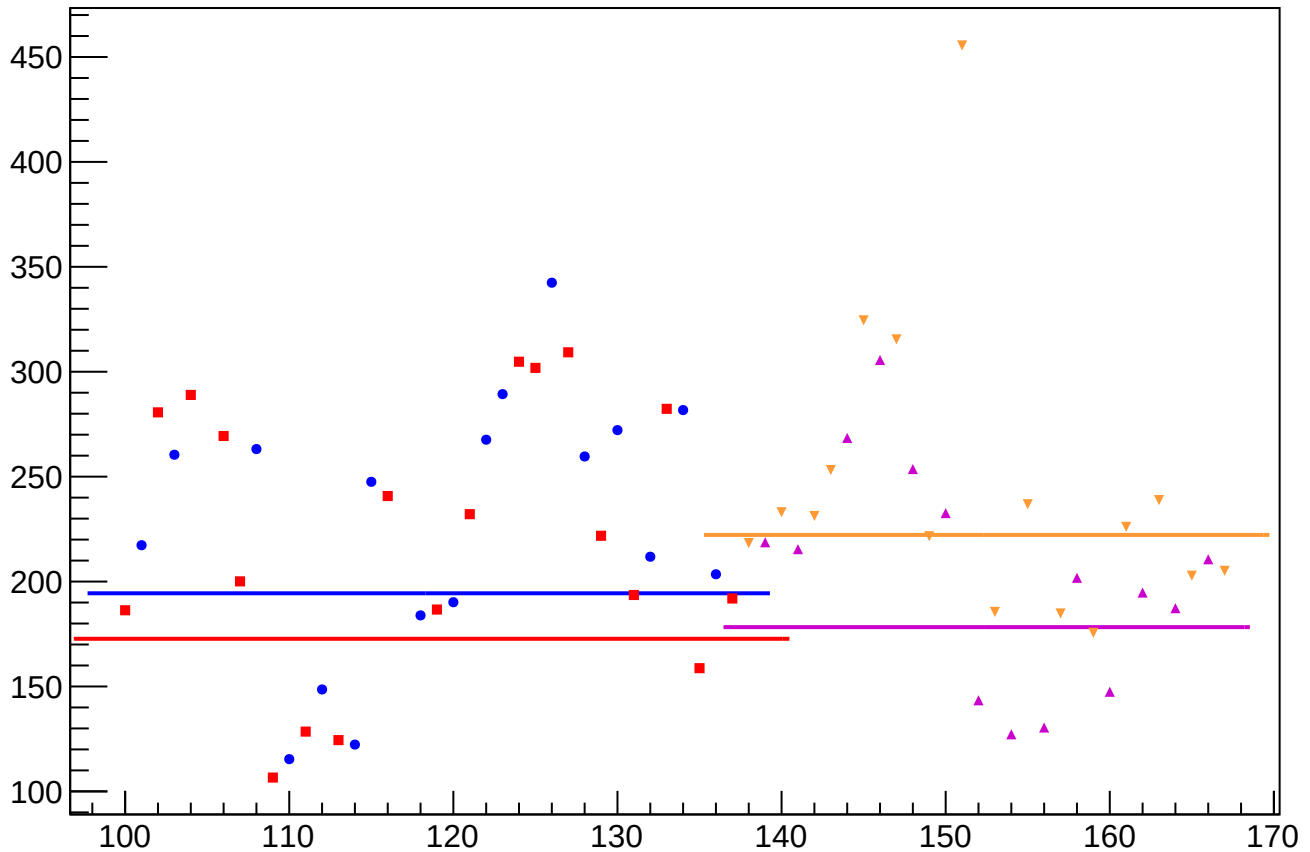
Left In: -46.177 $\pm$ 57.710 χ^2 /NDF: 5.4/13

+ sign 40.464 $\pm$ 51.128 χ^2 /NDF: 12.1/32

All: 4.590 $\pm$ 33.618 χ^2 /NDF: 24.5/65

- sign -22.730 $\pm$ 44.619 χ^2 /NDF: 11.5/32

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

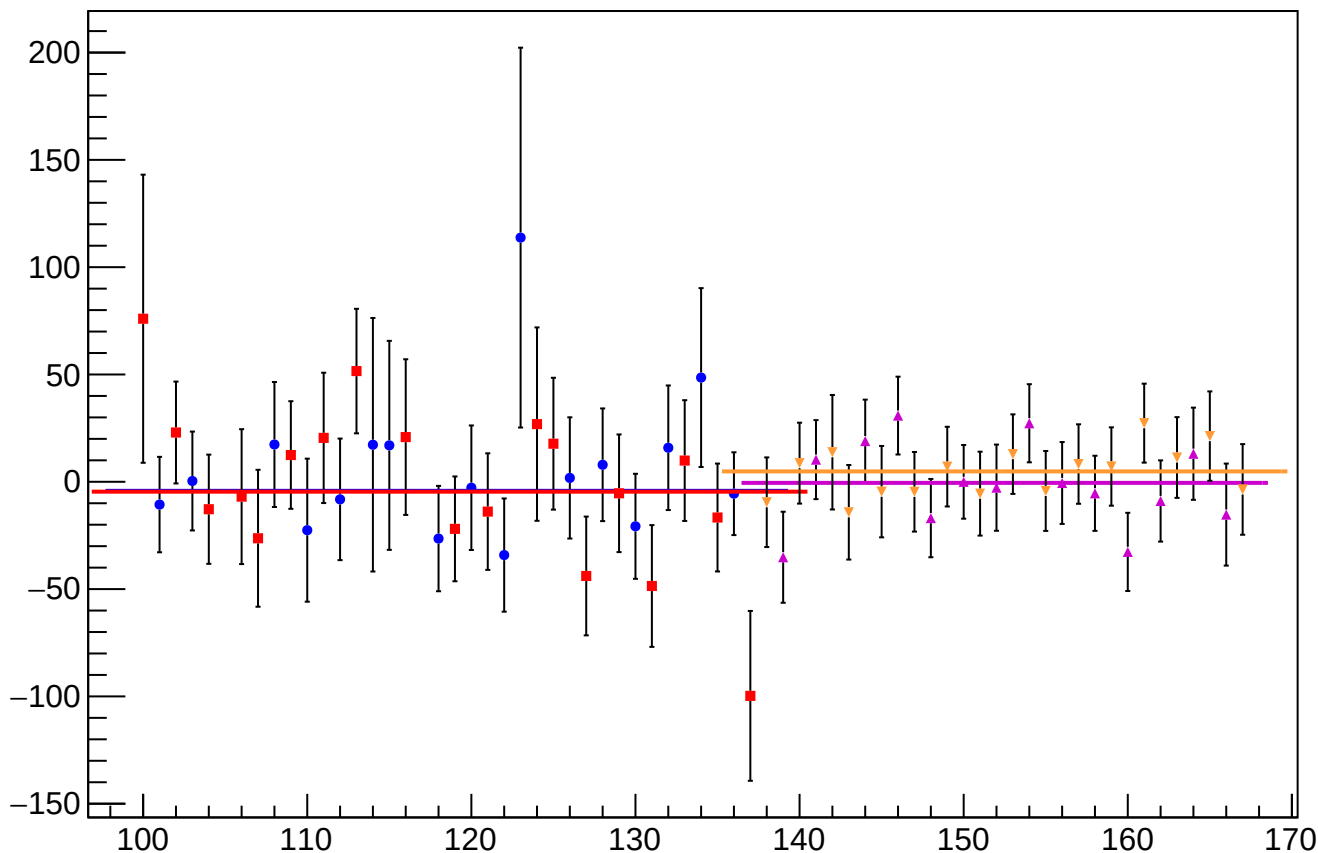
Left In: 178.284 $\pm$ 0.041 χ^2 /NDF: 1436018.6/13

+ sign 210.696 $\pm$ 0.036 χ^2 /NDF: 2132204.1/32

All: 191.028 $\pm$ 0.024 χ^2 /NDF: 5693747.6/65

- sign 176.050 $\pm$ 0.032 χ^2 /NDF: 3040225.9/32

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

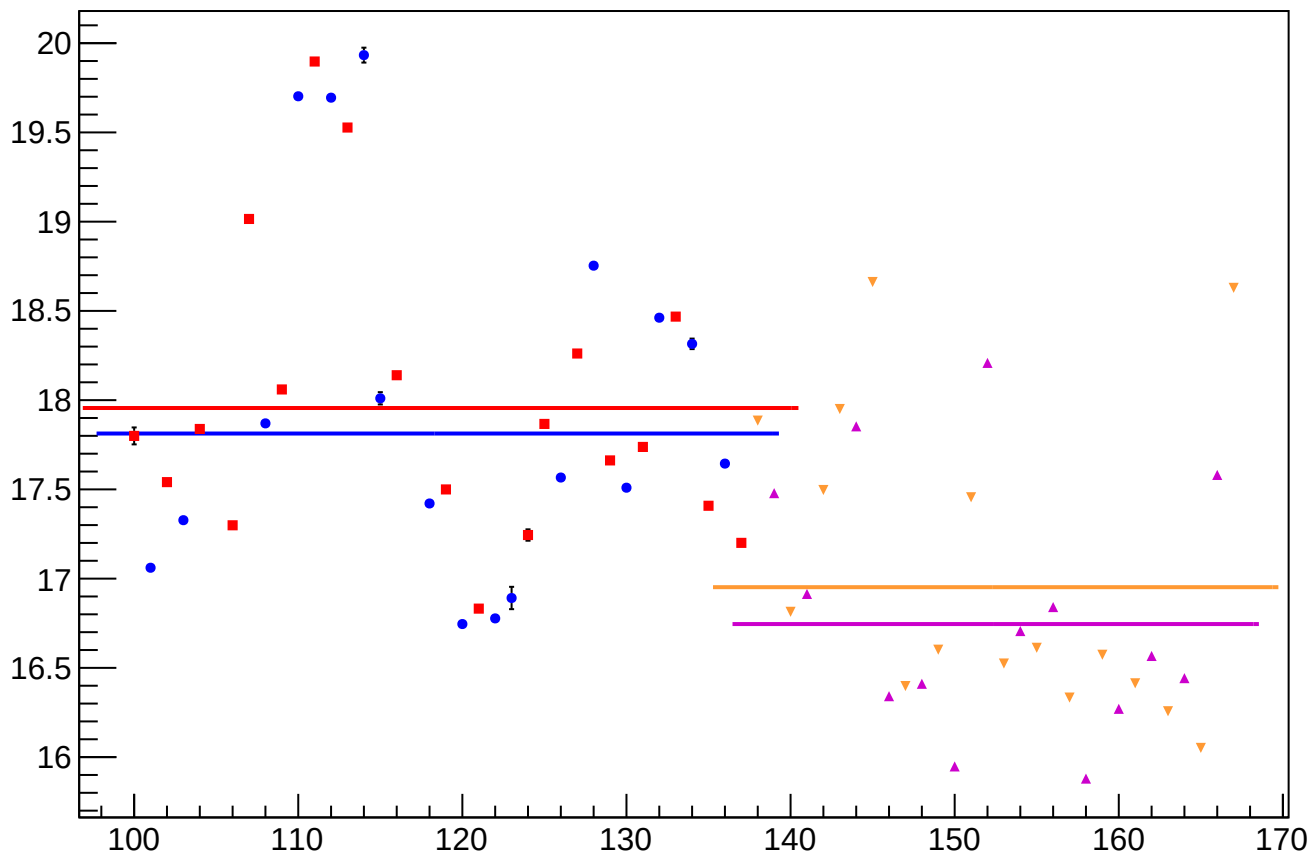
Left In: -0.506 ± 5.093 χ^2/NDF : 14.4/13

+ sign 1.765 ± 4.002 χ^2/NDF : 14.2/32

All: -0.090 ± 2.850 χ^2/NDF : 50.3/65

- sign -1.998 ± 4.060 χ^2/NDF : 35.7/32

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

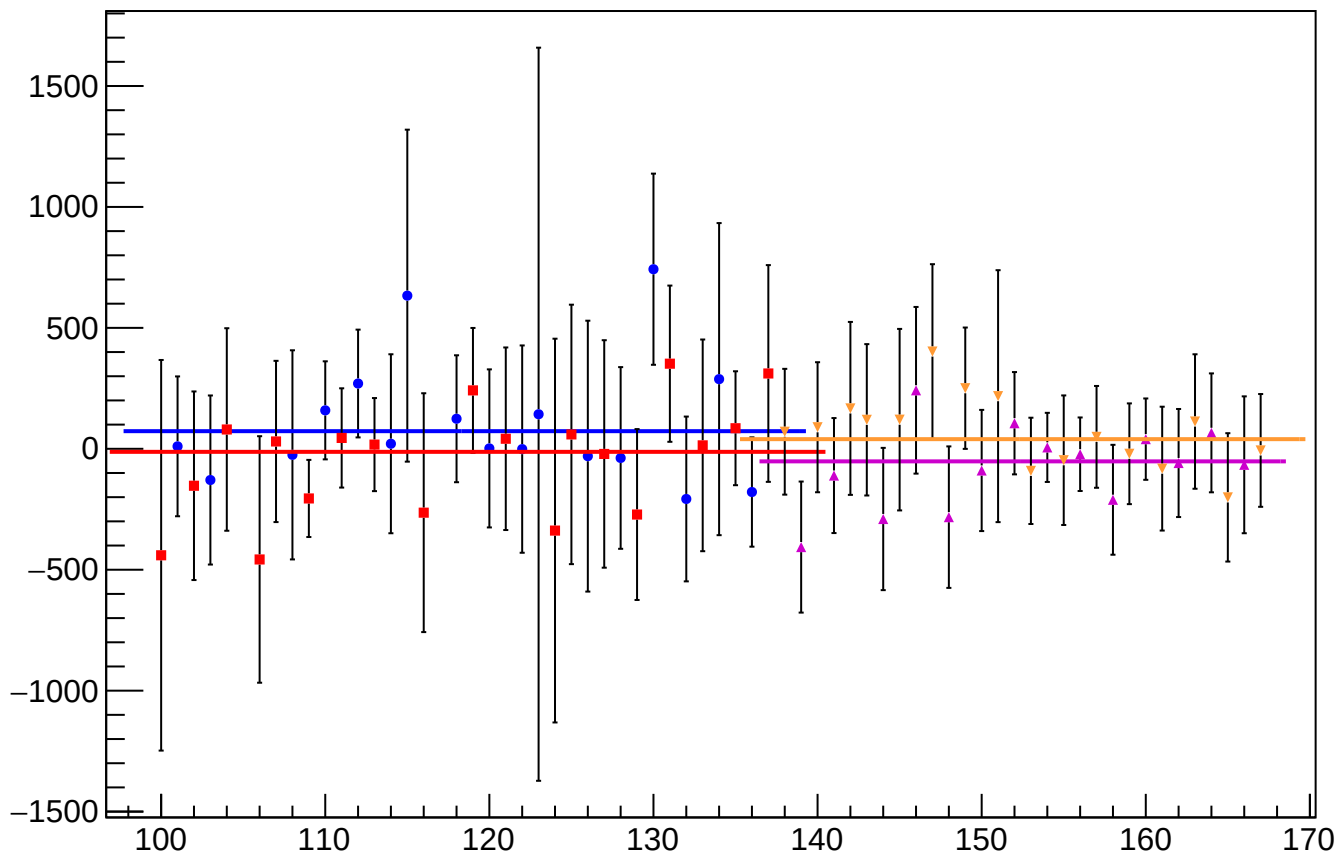
Left In: 16.746 ± 0.004 χ^2/NDF : 35114.6/13

+ sign 17.244 ± 0.003 χ^2/NDF : 104156.3/32

All: 17.216 ± 0.002 χ^2/NDF : 206095.5/65

- sign 17.187 ± 0.003 χ^2/NDF : 101736.1/32

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888 $\pm$ 79.948 χ^2 /NDF: 7.2/16

Left Out: 39.884 $\pm$ 67.103 χ^2 /NDF: 3.8/15

Right Out: -12.565 $\pm$ 71.013 χ^2 /NDF: 6.7/18

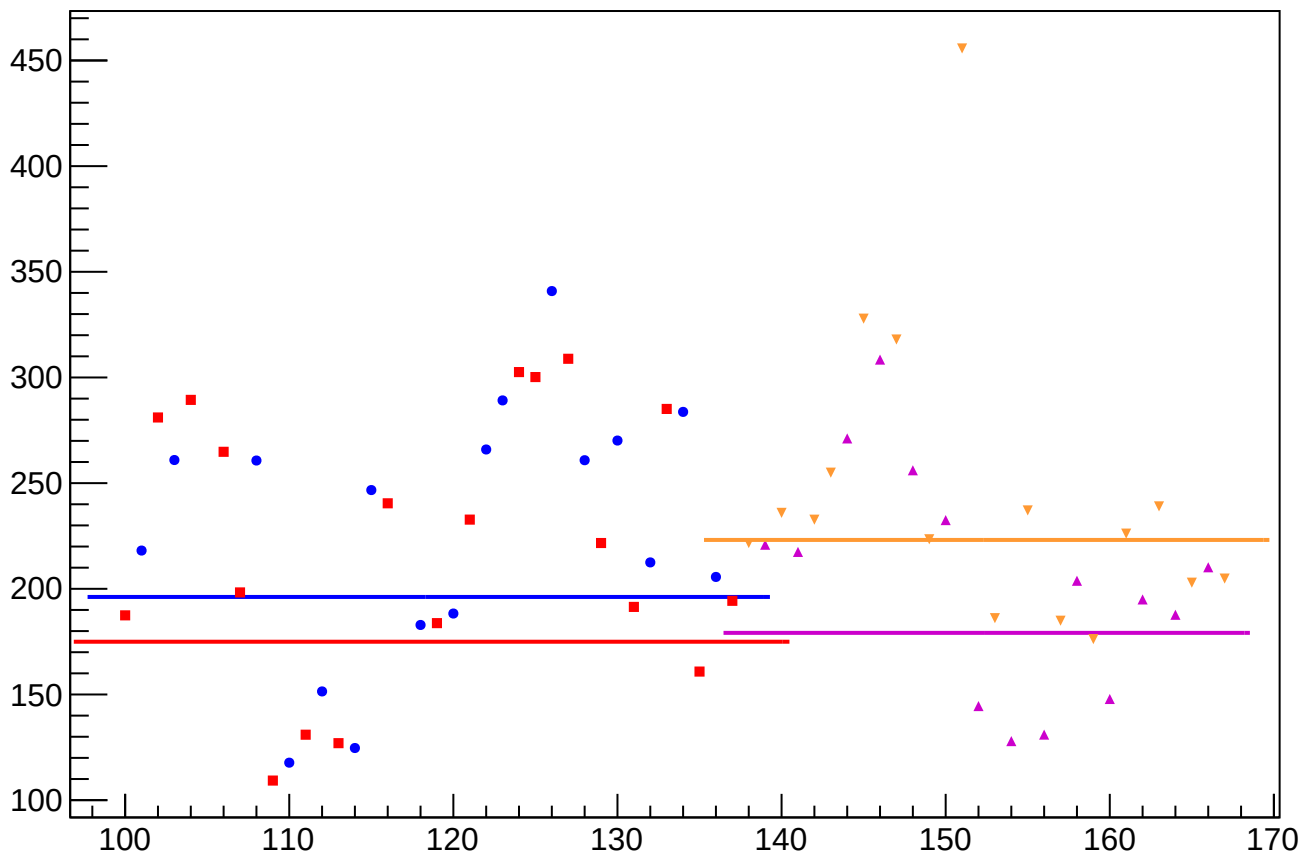
Left In: -51.965 $\pm$ 57.993 χ^2 /NDF: 5.6/13

+ sign 53.525 $\pm$ 51.398 χ^2 /NDF: 11.1/32

All: 2.652 $\pm$ 33.822 χ^2 /NDF: 25.4/65

- sign -36.201 $\pm$ 44.918 χ^2 /NDF: 12.5/32

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

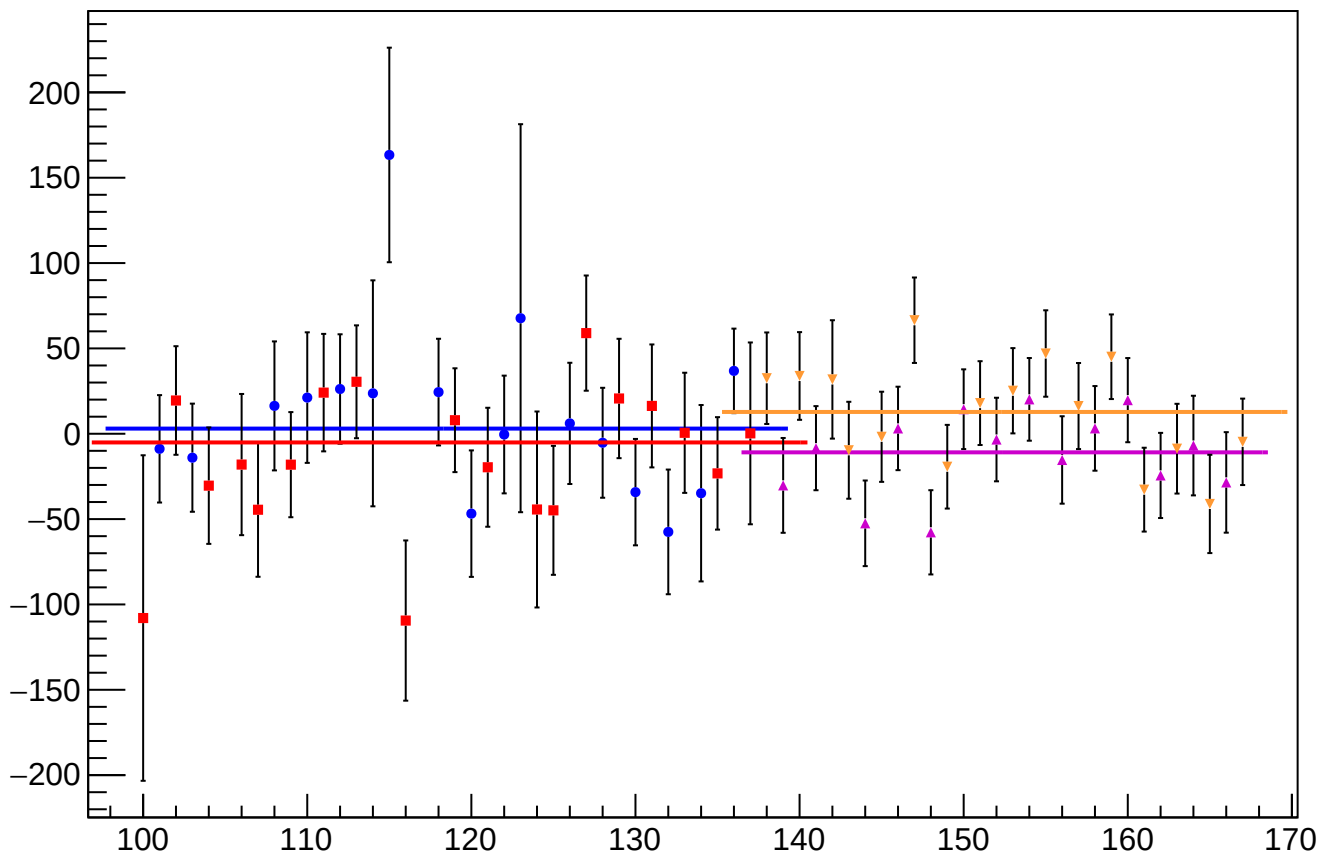
Left In: 179.158+/-0.041 χ^2/NDF : 1446279.6/13

+ sign 211.978+/-0.036 χ^2/NDF : 2078143.6/32

All: 192.418+/-0.024 χ^2/NDF : 5550407.0/65

- sign 177.480+/-0.032 χ^2/NDF : 2961418.8/32

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 $\chi^2/\text{NDF}: 17.2/18$

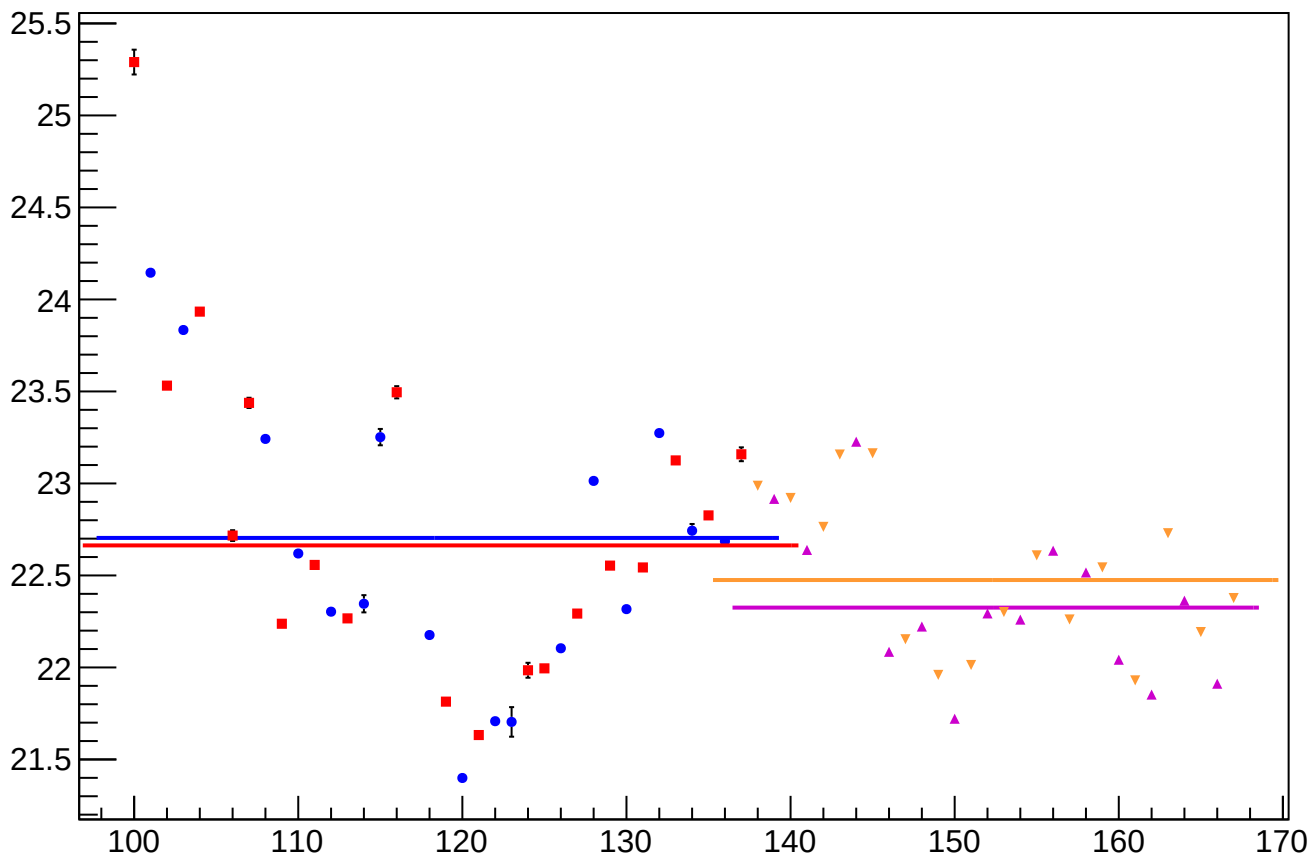
Left In: -10.892 ± 6.775 $\chi^2/\text{NDF}: 12.6/13$

+ sign 9.297 ± 5.226 $\chi^2/\text{NDF}: 38.7/32$

All: 0.447 ± 3.718 $\chi^2/\text{NDF}: 74.6/65$

- sign -8.631 ± 5.293 $\chi^2/\text{NDF}: 30.1/32$

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

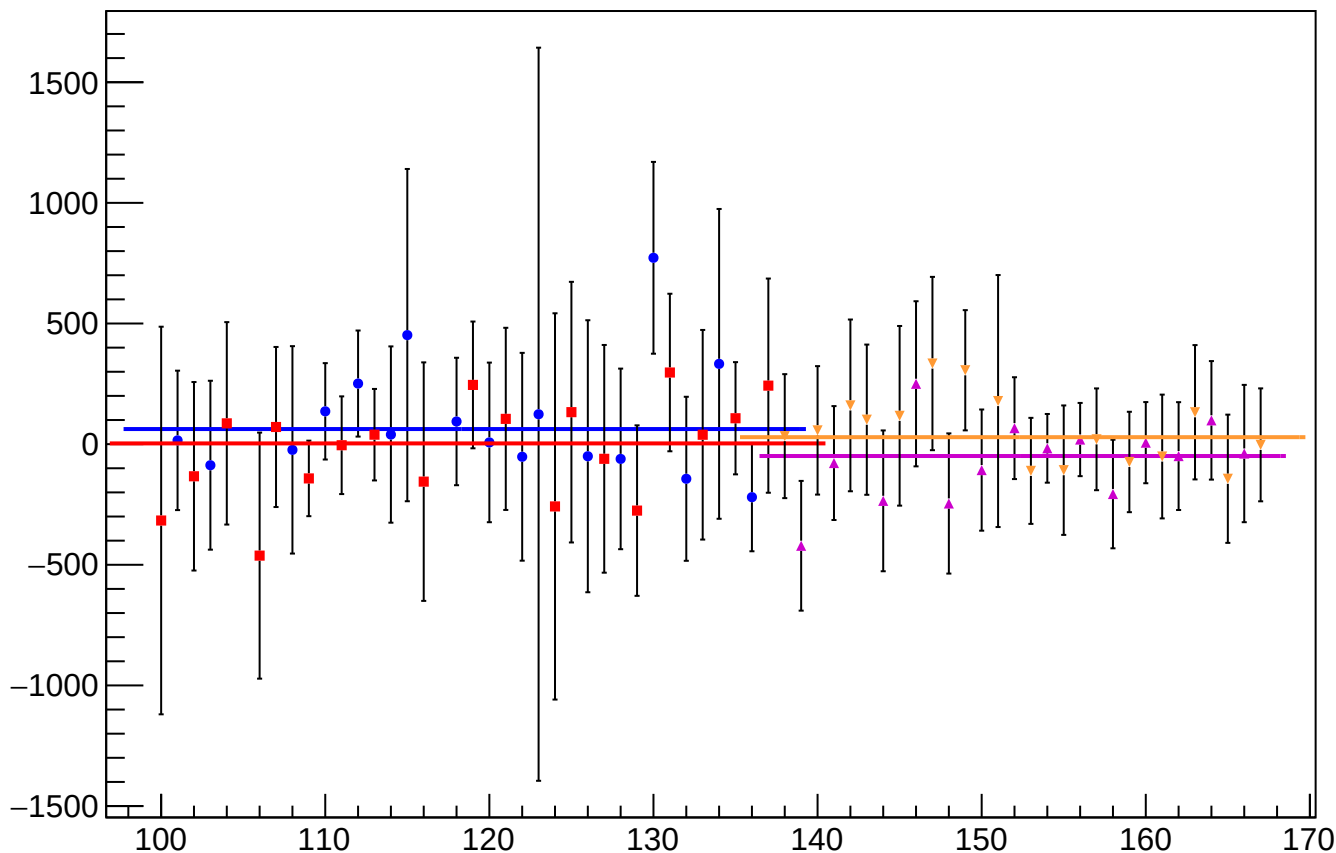
Left In: 22.325 $\pm$ 0.005 χ^2 /NDF: 7186.8/13

+ sign 22.557 $\pm$ 0.004 χ^2 /NDF: 22603.4/32

All: 22.507 $\pm$ 0.003 χ^2 /NDF: 45033.8/65

- sign 22.457 $\pm$ 0.004 χ^2 /NDF: 22070.6/32

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573+/-79.605 χ^2/NDF : 7.0/16

Left Out: 28.880+/-66.975 χ^2/NDF : 3.9/15

Right Out: 3.038+/-70.518 χ^2/NDF : 5.2/18

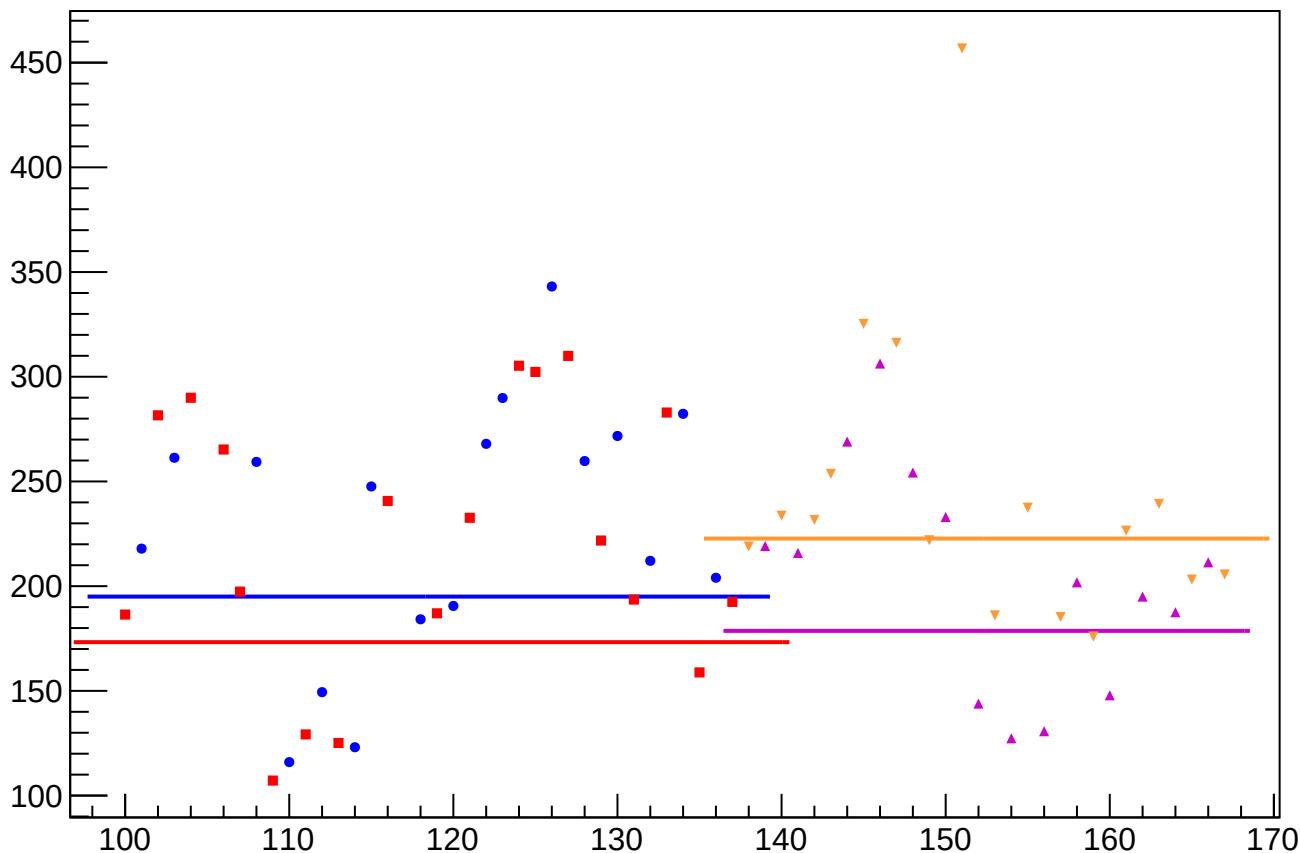
Left In: -49.222+/-57.829 χ^2/NDF : 5.1/13

+ sign 42.845+/-51.249 χ^2/NDF : 11.0/32

All: 2.503+/-33.693 χ^2/NDF : 22.8/65

- sign -28.209+/-44.716 χ^2/NDF : 10.7/32

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.022 $\pm$ 0.056 χ^2 /NDF: 1004284.9/16

Left Out: 222.727 $\pm$ 0.047 χ^2 /NDF: 968625.1/15

Right Out: 173.262 $\pm$ 0.050 χ^2 /NDF: 1578202.7/18

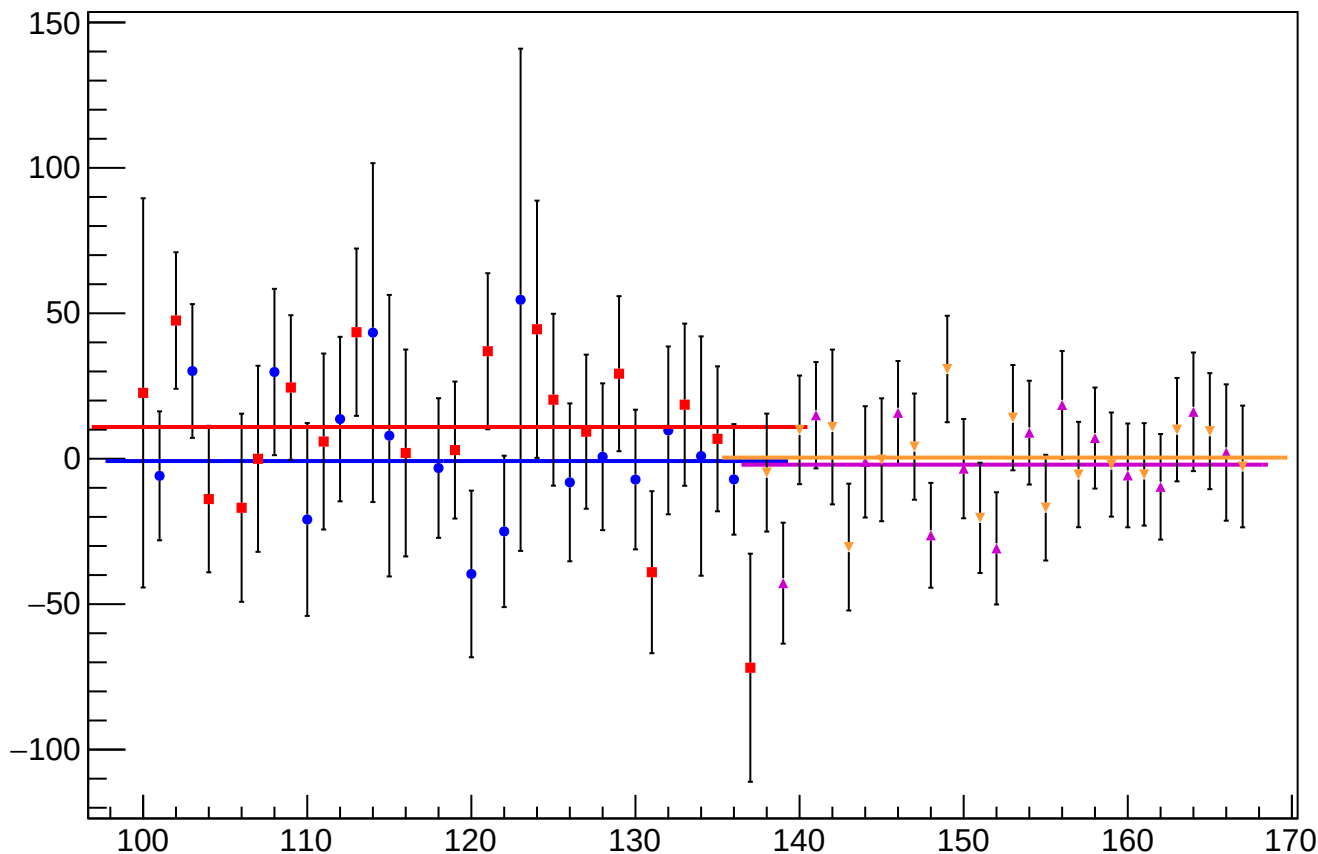
Left In: 178.651 $\pm$ 0.041 χ^2 /NDF: 1435769.5/13

+ sign 211.244 $\pm$ 0.036 χ^2 /NDF: 2114753.7/32

All: 191.508 $\pm$ 0.024 χ^2 /NDF: 5658085.8/65

- sign 176.484 $\pm$ 0.032 χ^2 /NDF: 3020956.8/32

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

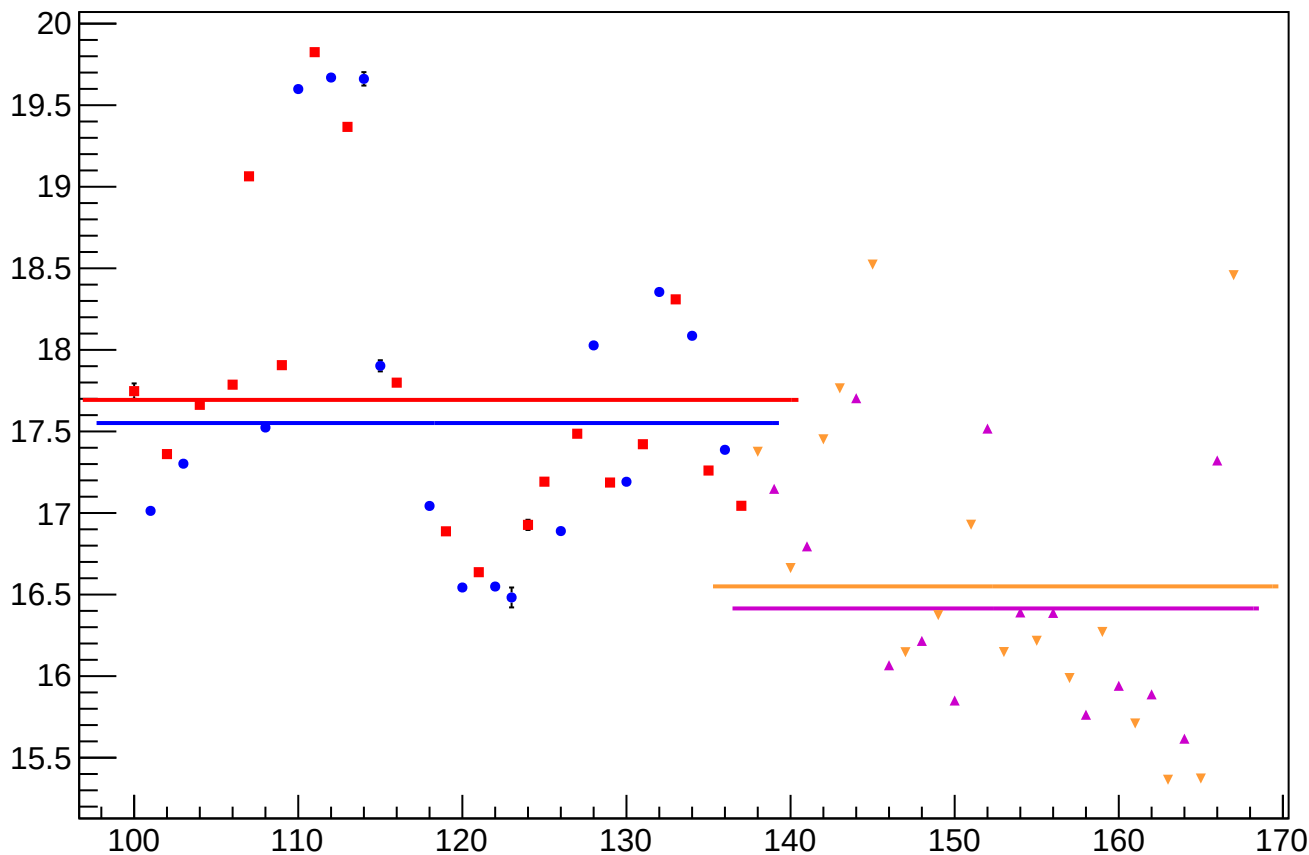
Left In: -2.046 ± 4.991 χ^2/NDF : 12.7/13

+ sign -0.010 ± 3.920 χ^2/NDF : 16.5/32

All: 1.295 ± 2.795 χ^2/NDF : 47.8/65

- sign 2.644 ± 3.987 χ^2/NDF : 31.1/32

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

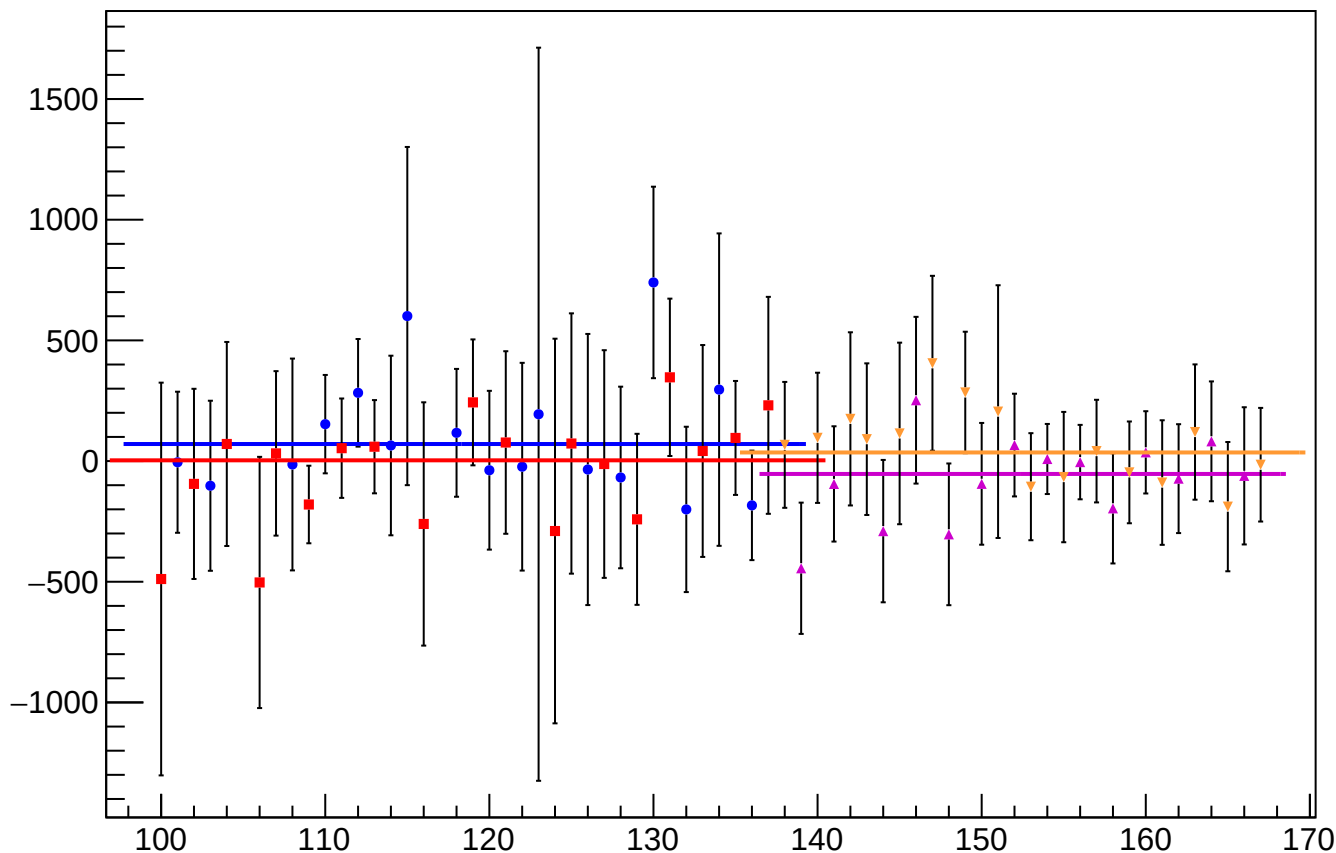
Left In: 16.415 $\pm$ 0.004 χ^2/NDF : 34139.5/13

+ sign 16.886 $\pm$ 0.003 χ^2/NDF : 135510.4/32

All: 16.882 $\pm$ 0.002 χ^2/NDF : 247897.2/65

- sign 16.878 $\pm$ 0.003 χ^2/NDF : 112382.5/32

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

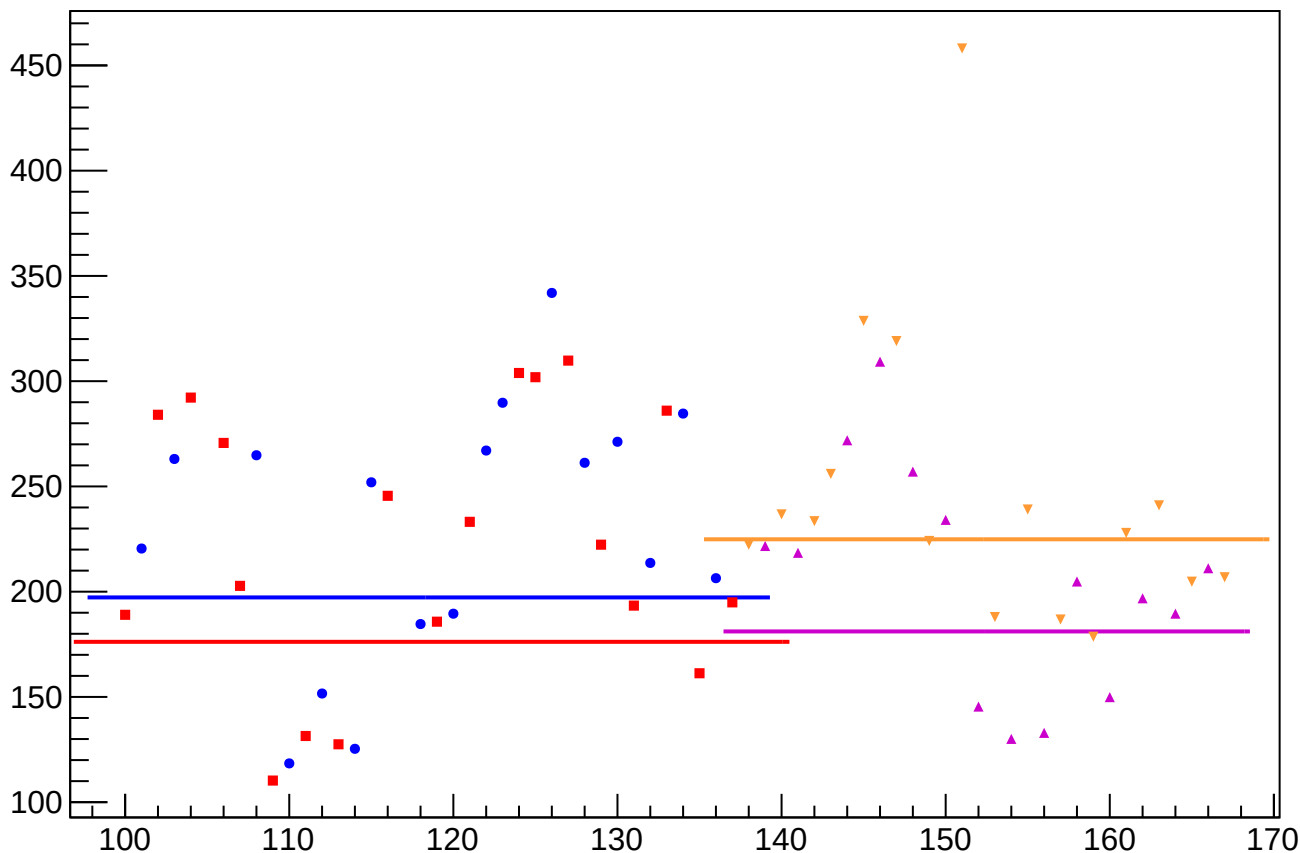
Left In: -53.389 $\pm$ 58.551 χ^2 /NDF: 5.8/13

+ sign 50.130 $\pm$ 51.739 χ^2 /NDF: 11.5/32

All: 4.359 $\pm$ 34.084 χ^2 /NDF: 25.3/65

- sign -30.731 $\pm$ 45.302 χ^2 /NDF: 12.4/32

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.271 $\pm$ 0.057 χ^2 /NDF: 969549.7/16

Left Out: 224.882 $\pm$ 0.048 χ^2 /NDF: 960196.1/15

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

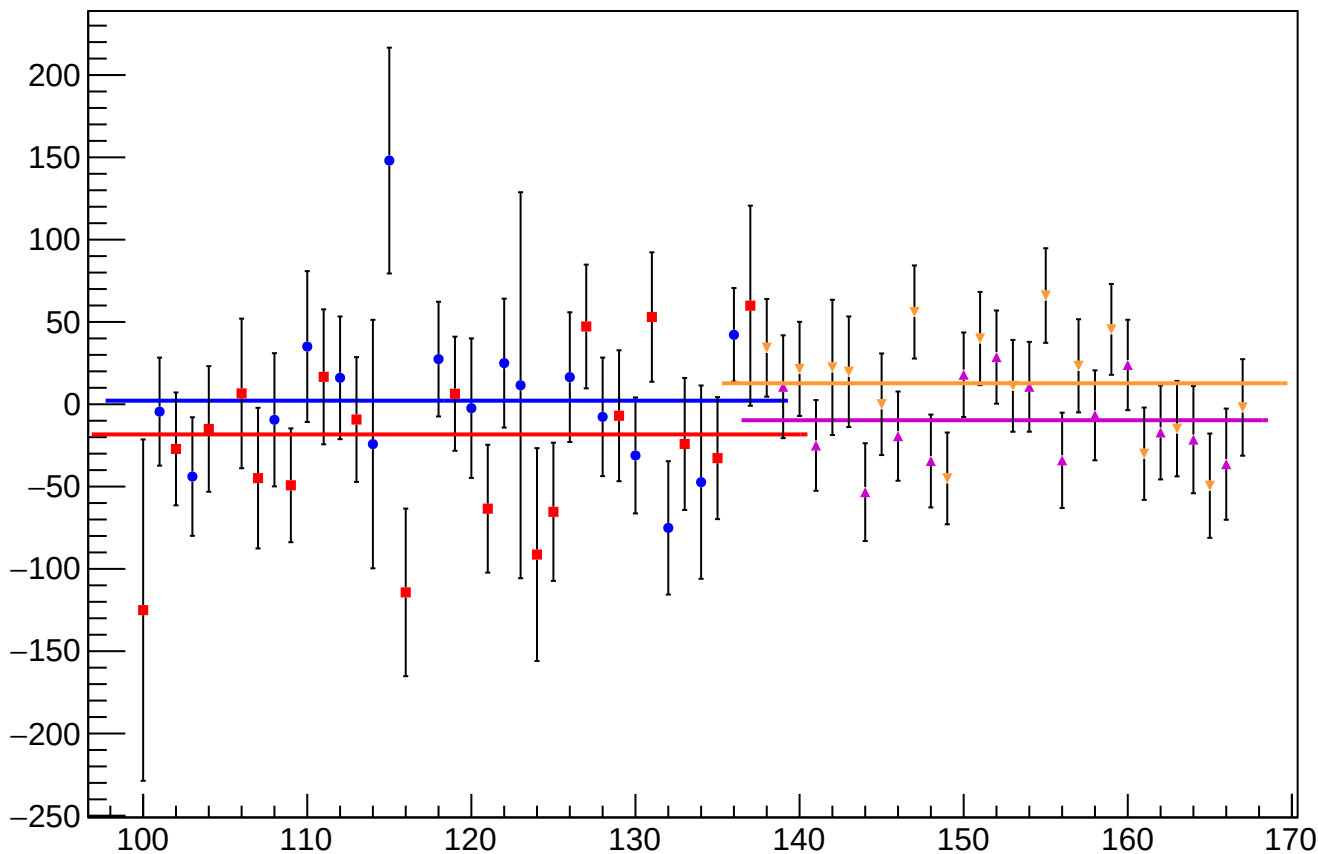
Left In: 181.113 $\pm$ 0.041 χ^2 /NDF: 1402166.1/13

+ sign 213.450 $\pm$ 0.037 χ^2 /NDF: 2067930.2/32

All: 194.025 $\pm$ 0.024 χ^2 /NDF: 5493530.6/65

- sign 179.133 $\pm$ 0.032 χ^2 /NDF: 2927570.1/32

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 $\chi^2/\text{NDF}: 19.6/18$

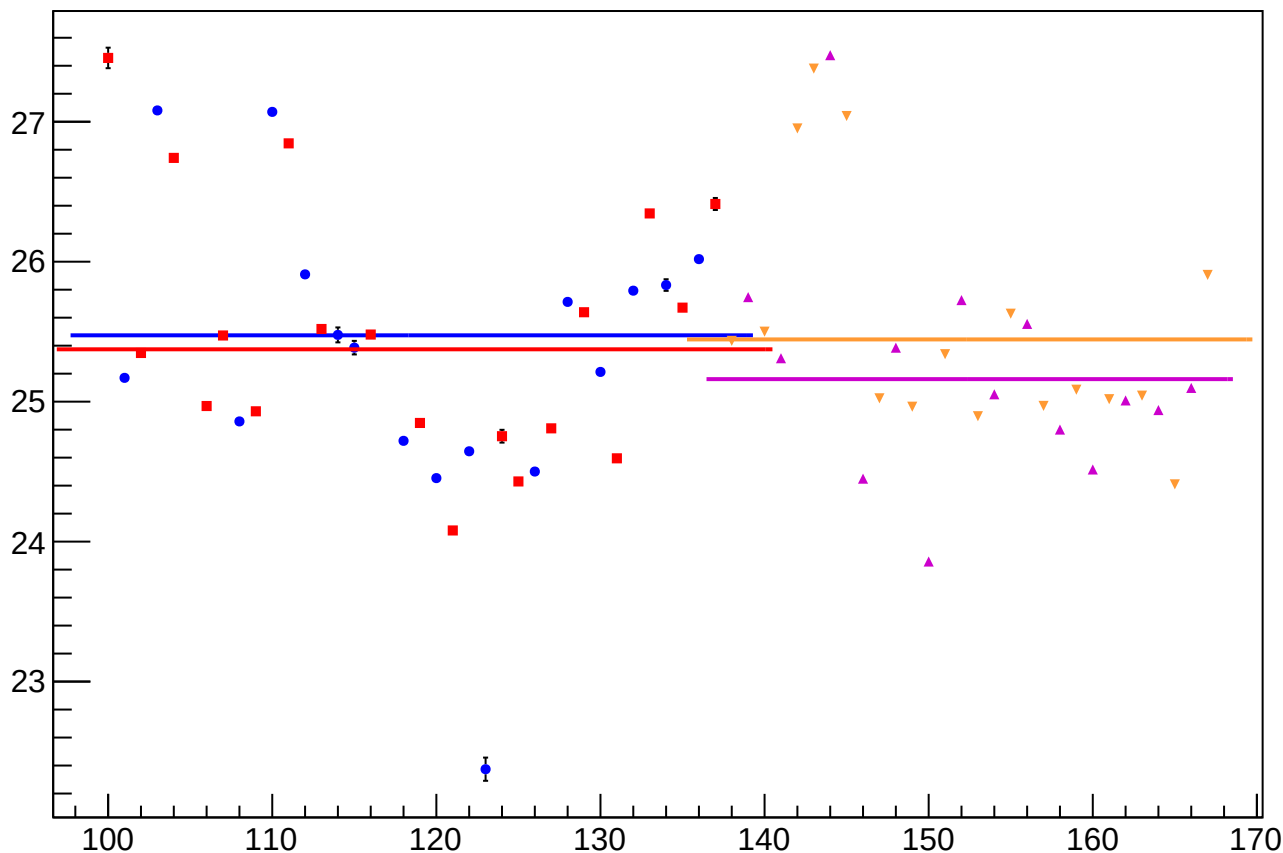
Left In: -9.696 ± 7.645 $\chi^2/\text{NDF}: 10.4/13$

+ sign 8.933 ± 5.902 $\chi^2/\text{NDF}: 36.9/32$

All: -1.978 ± 4.192 $\chi^2/\text{NDF}: 74.3/65$

- sign -13.087 ± 5.955 $\chi^2/\text{NDF}: 30.5/32$

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

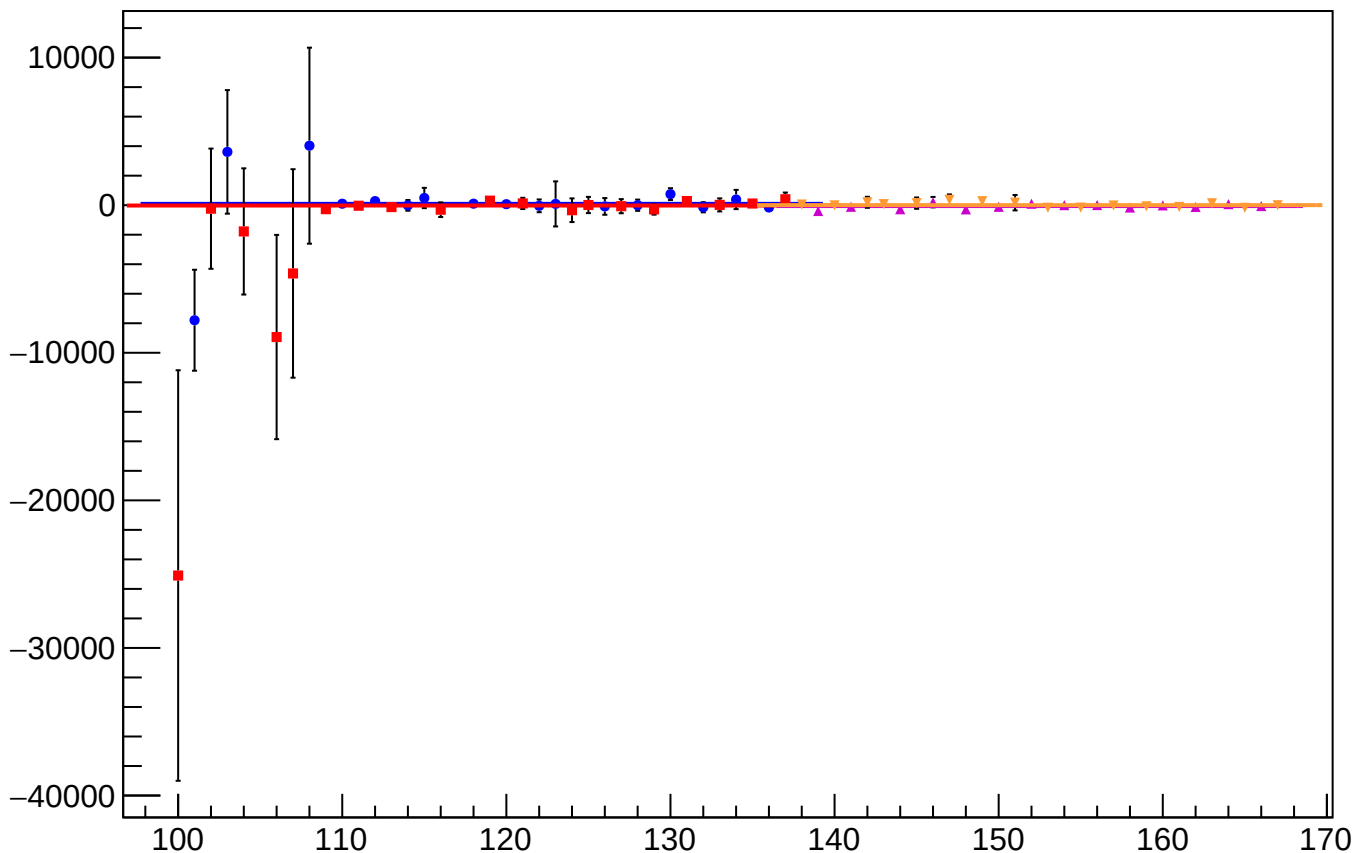
Left In: 25.161 $\pm$ 0.005 χ^2 /NDF: 22382.7/13

+ sign 25.455 $\pm$ 0.004 χ^2 /NDF: 35061.1/32

All: 25.351 $\pm$ 0.003 χ^2 /NDF: 72896.7/65

- sign 25.245 $\pm$ 0.004 χ^2 /NDF: 36574.8/32

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

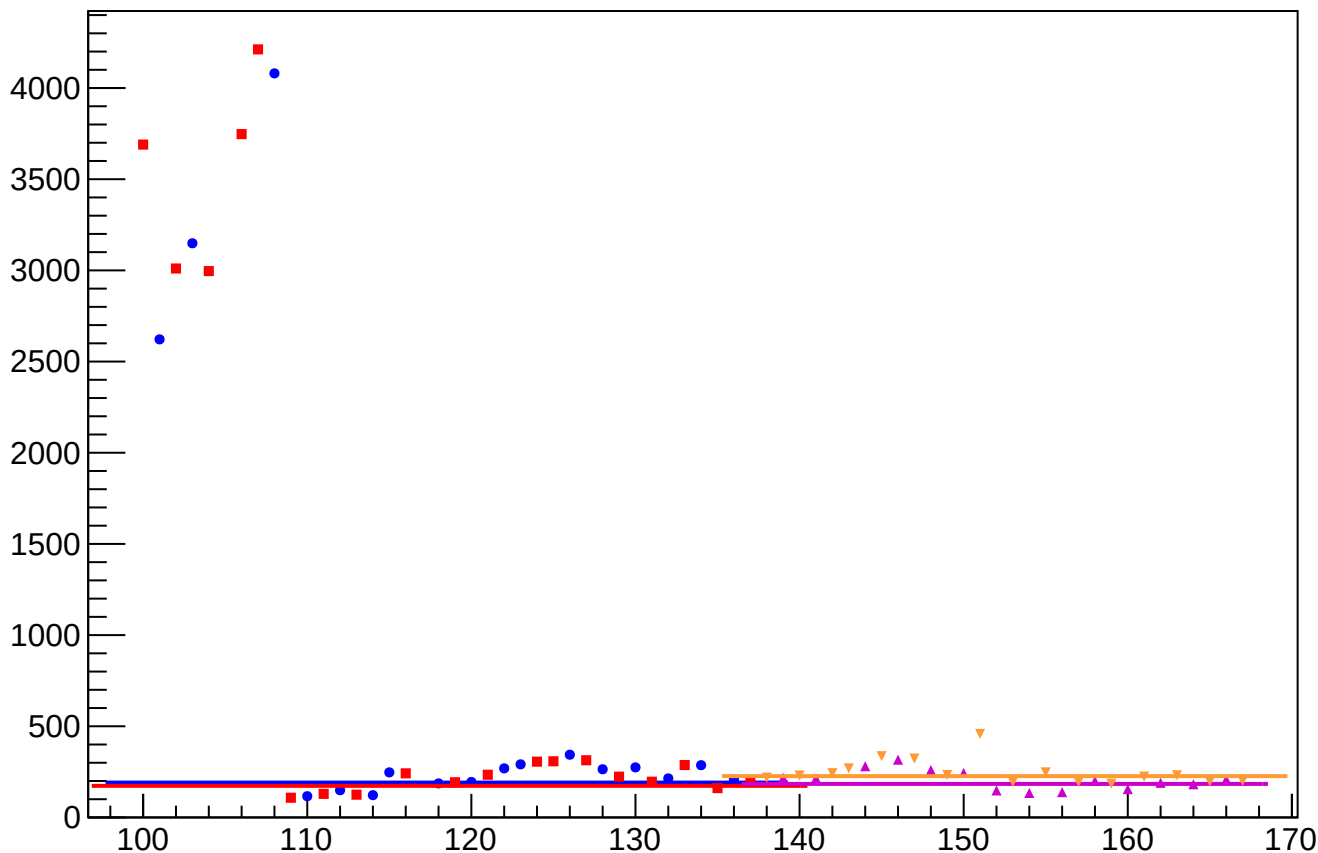
Left In: -58.427+/-59.263 χ^2/NDF : 4.8/13

+ sign 35.465+/-53.749 χ^2/NDF : 17.5/32

All: -9.972+/-35.722 χ^2/NDF : 35.6/65

- sign -45.921+/-47.808 χ^2/NDF : 16.9/32

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.190+/-0.062 χ^2/NDF : 3571747.5/16

Left Out: 226.583+/-0.048 χ^2/NDF : 955074.5/15

Right Out: 173.269+/-0.057 χ^2/NDF : 4207191.5/18

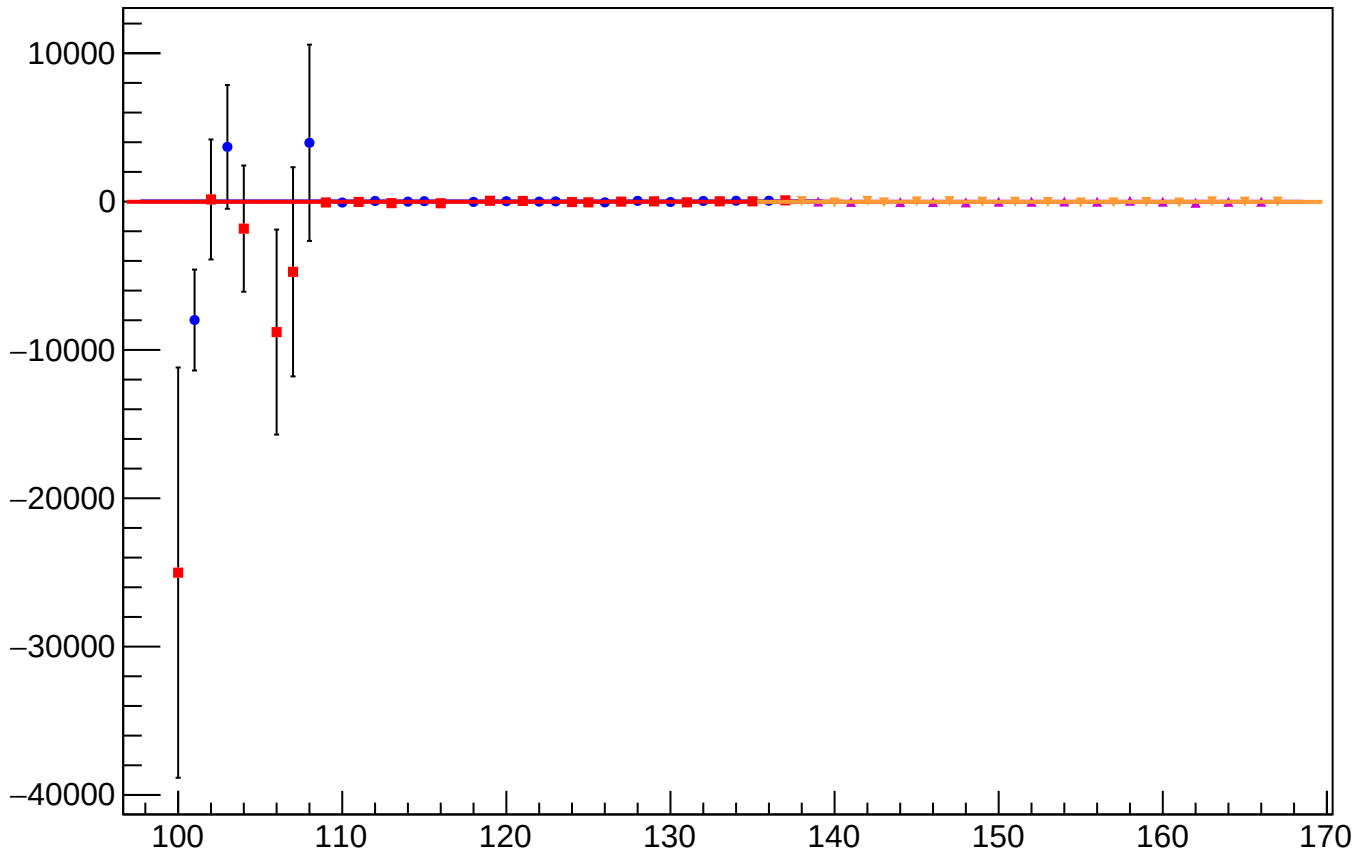
Left In: 183.888+/-0.042 χ^2/NDF : 1296104.2/13

+ sign 213.267+/-0.038 χ^2/NDF : 4730331.3/32

All: 194.795+/-0.025 χ^2/NDF : 10679187.9/65

- sign 180.180+/-0.034 χ^2/NDF : 5525722.0/32

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

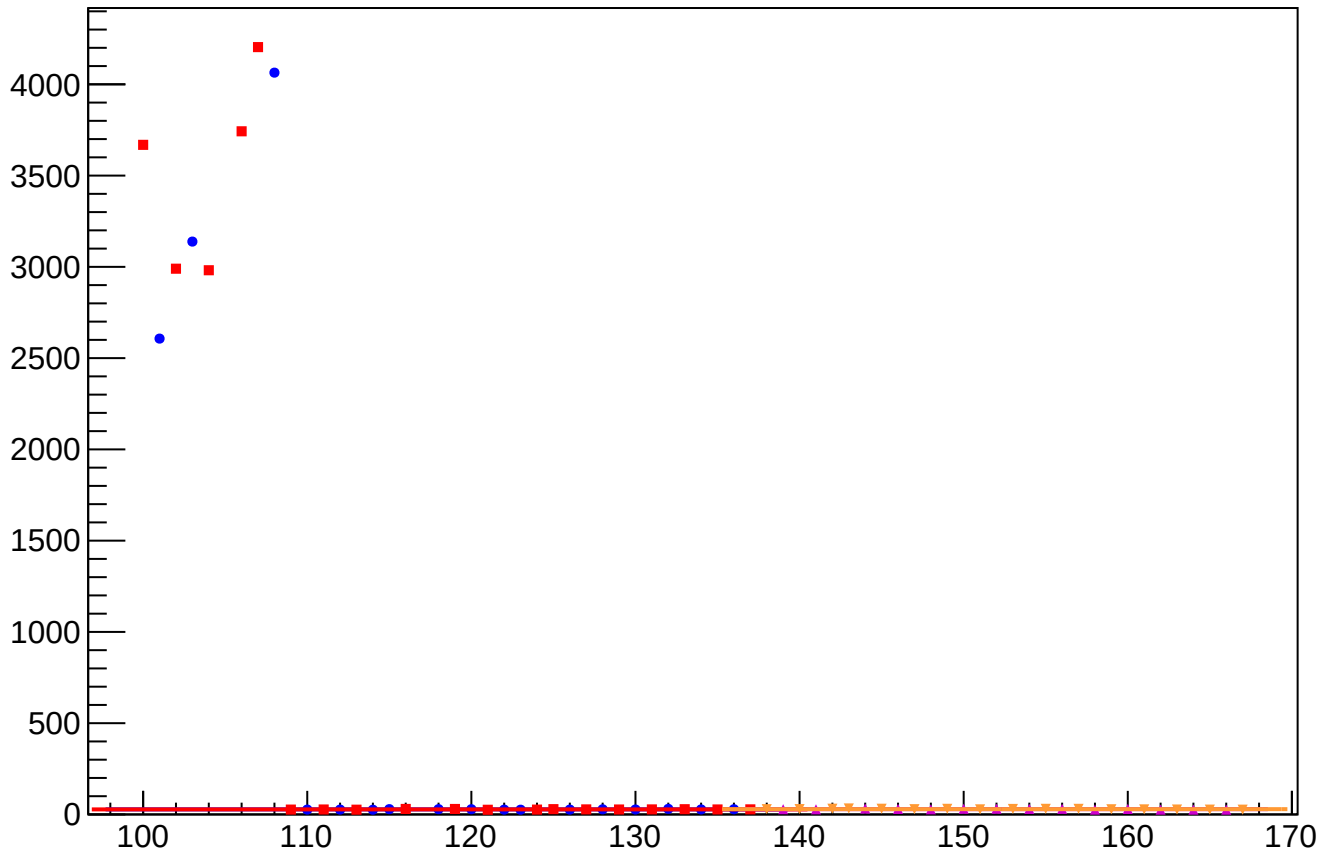
Left In: -13.089+/-8.838 χ^2/NDF : 13.8/13

+ sign -9.097+/-6.939 χ^2/NDF : 38.1/32

All: -11.007+/-4.984 χ^2/NDF : 76.5/65

- sign -13.041+/-7.163 χ^2/NDF : 38.2/32

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

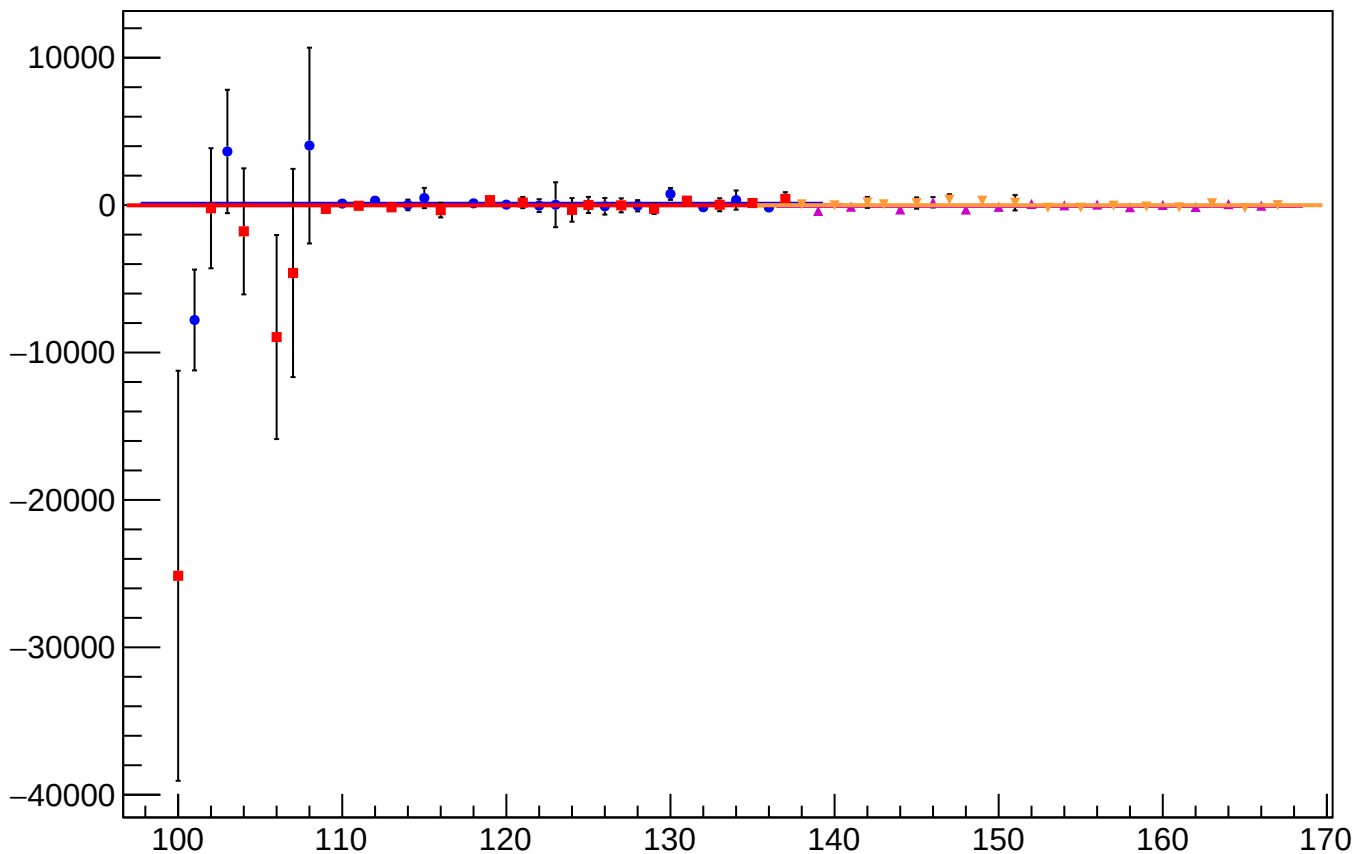
Left In: 29.002 $\pm$ 0.006 χ^2 /NDF: 106025.4/13

+ sign 28.641 $\pm$ 0.005 χ^2 /NDF: 3131713.0/32

All: 28.599 $\pm$ 0.004 χ^2 /NDF: 6729737.2/65

- sign 28.553 $\pm$ 0.005 χ^2 /NDF: 3597869.8/32

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

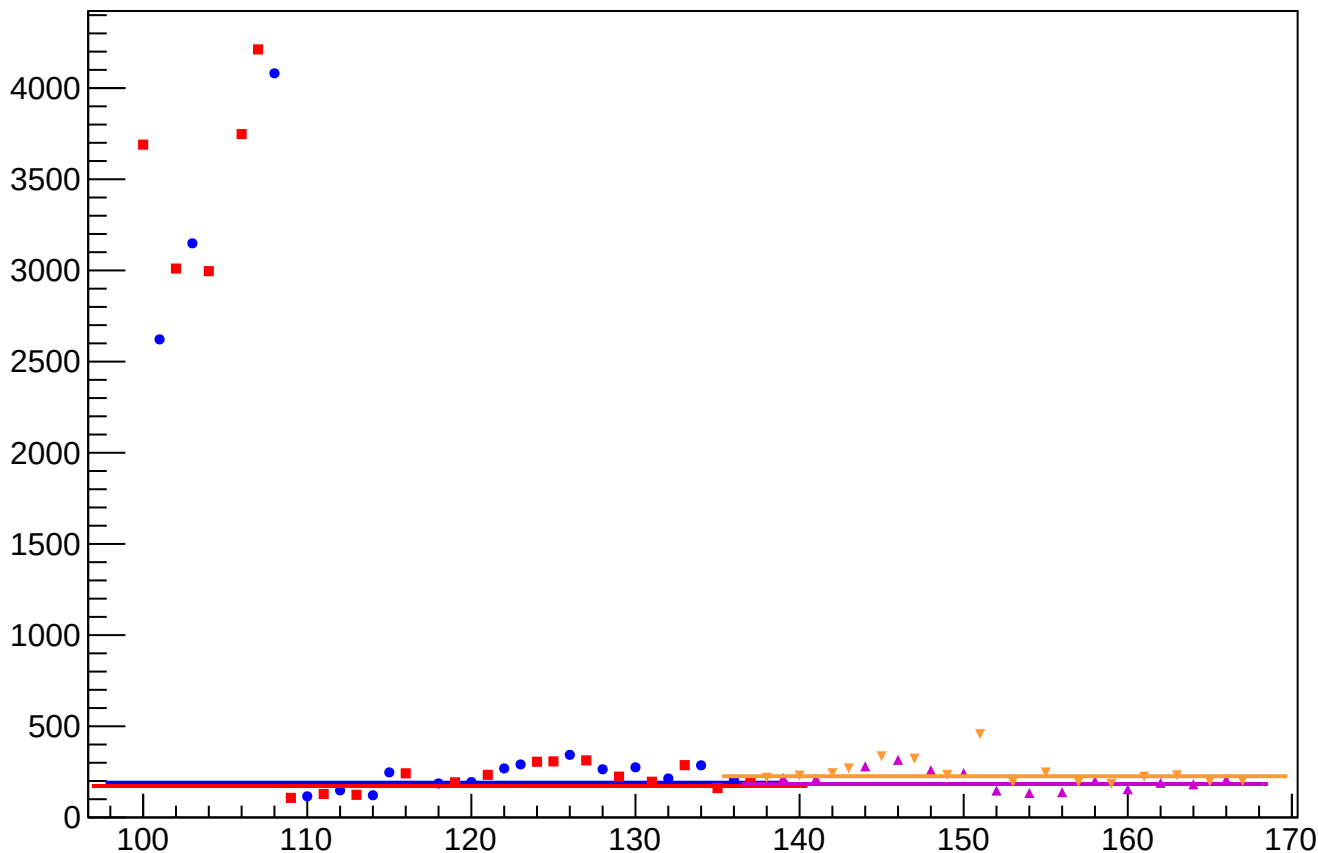
Left In: -55.594+/-59.145 χ^2/NDF : 5.0/13

+ sign 31.916+/-53.613 χ^2/NDF : 18.7/32

All: -8.574+/-35.634 χ^2/NDF : 37.6/65

- sign -40.616+/-47.693 χ^2/NDF : 17.8/32

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

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

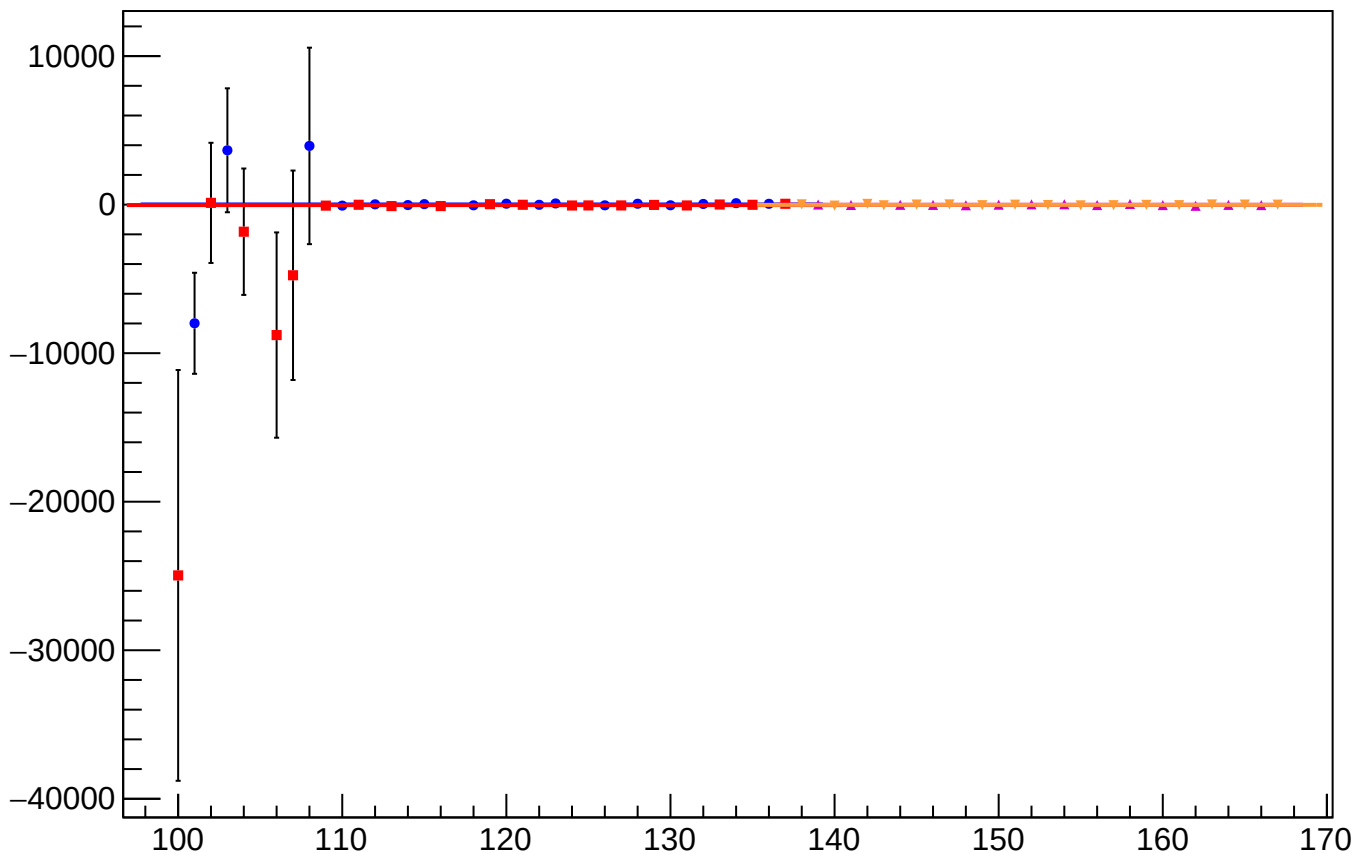
Left In: 183.527+/-0.042 χ^2/NDF : 1295974.8/13

+ sign 212.680+/-0.038 χ^2/NDF : 4745612.9/32

All: 194.272+/-0.025 χ^2/NDF : 10706198.6/65

- sign 179.705+/-0.034 χ^2/NDF : 5538228.5/32

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

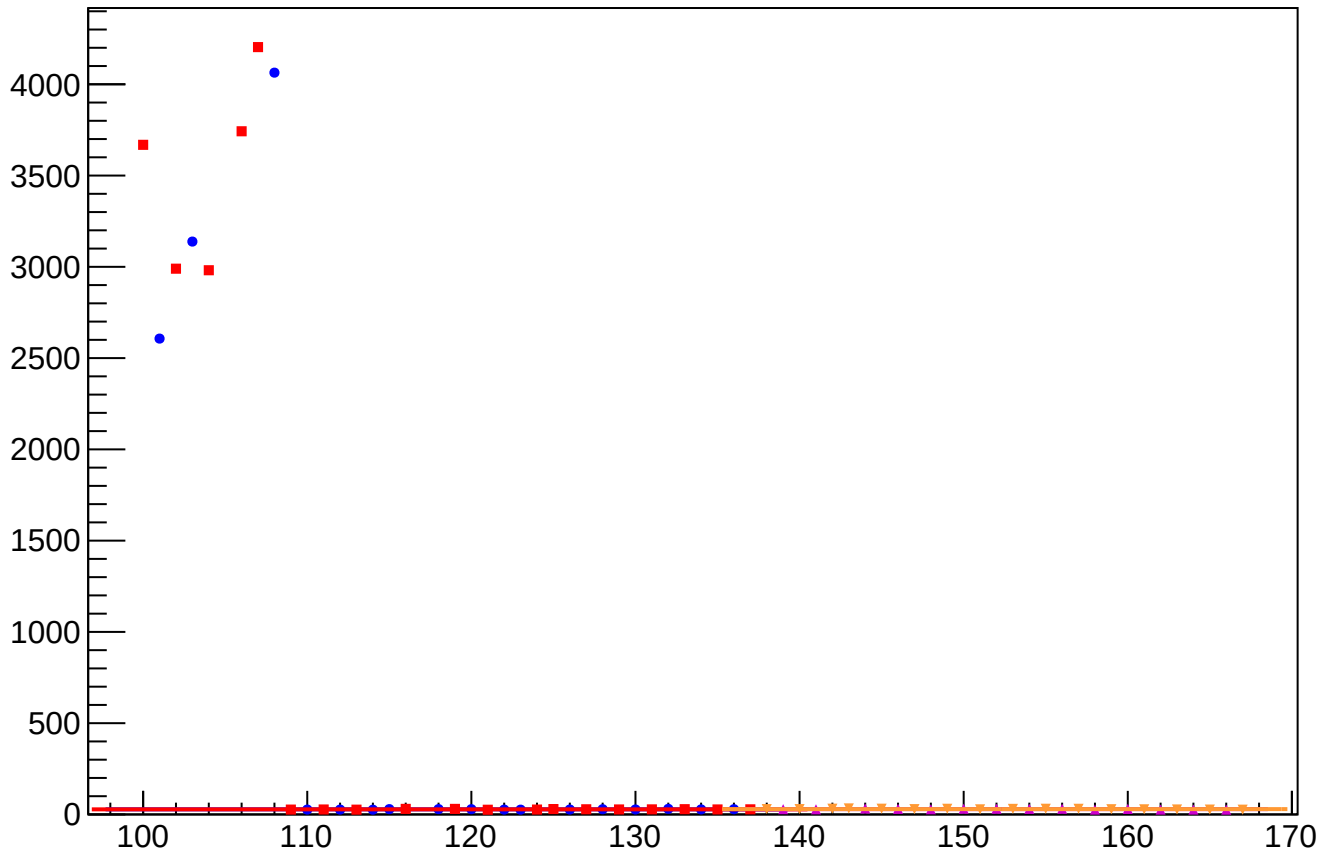
Left In: -12.380 $\pm$ 8.896 χ^2 /NDF:12.9/13

+ sign -5.986 $\pm$ 6.991 χ^2 /NDF: 36.2/32

All: -11.942 $\pm$ 5.020 χ^2 /NDF: 68.3/65

- sign -18.286 $\pm$ 7.214 χ^2 /NDF: 30.7/32

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.023 $\pm$ 0.009 χ^2 /NDF: 3027003.0/16

Left Out: 29.245 $\pm$ 0.006 χ^2 /NDF: 96139.0/15

Right Out: 27.917 $\pm$ 0.009 χ^2 /NDF: 3479610.6/18

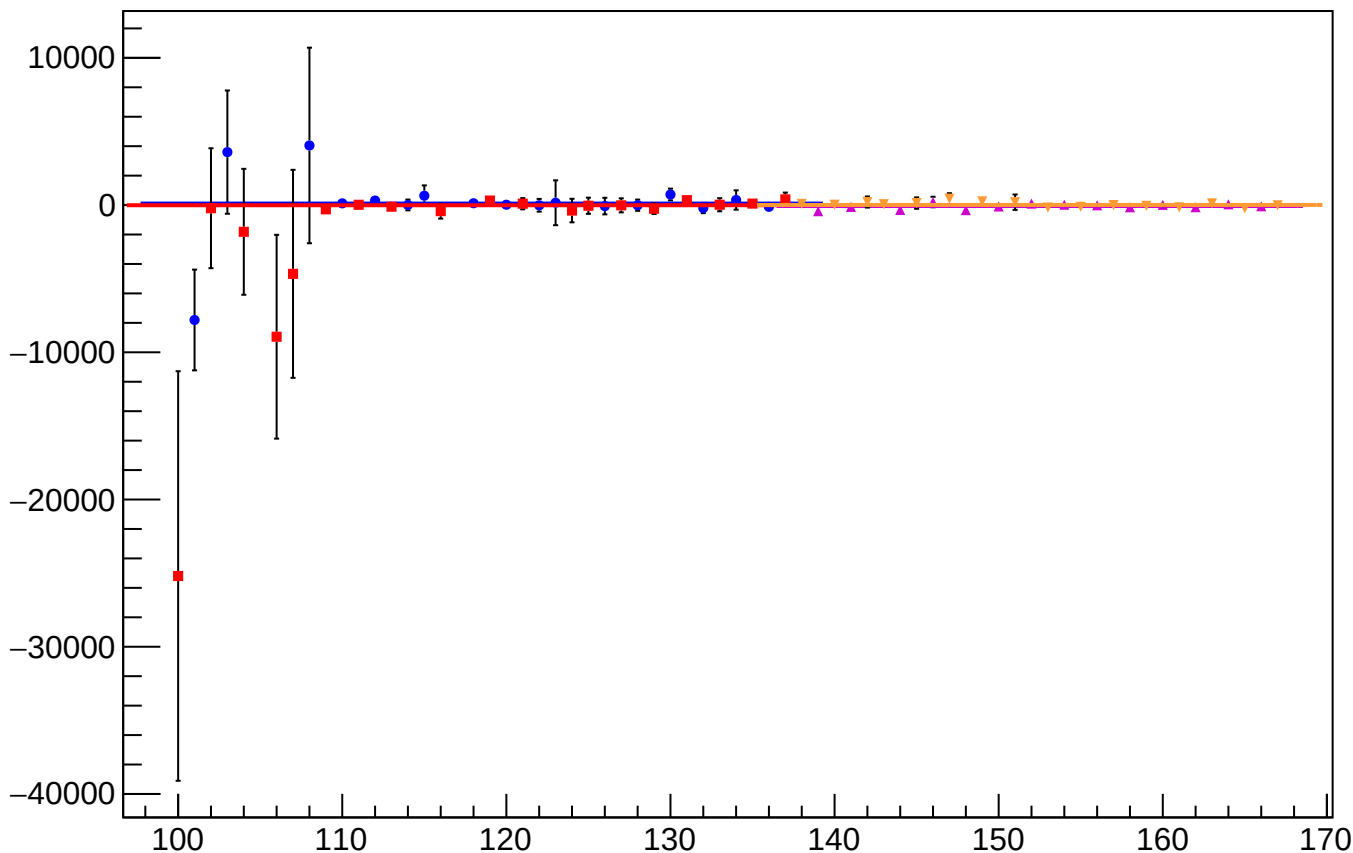
Left In: 29.198 $\pm$ 0.006 χ^2 /NDF: 105815.3/13

+ sign 28.849 $\pm$ 0.005 χ^2 /NDF: 3136547.3/32

All: 28.805 $\pm$ 0.004 χ^2 /NDF: 6736322.0/65

- sign 28.759 $\pm$ 0.005 χ^2 /NDF: 3599615.2/32

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

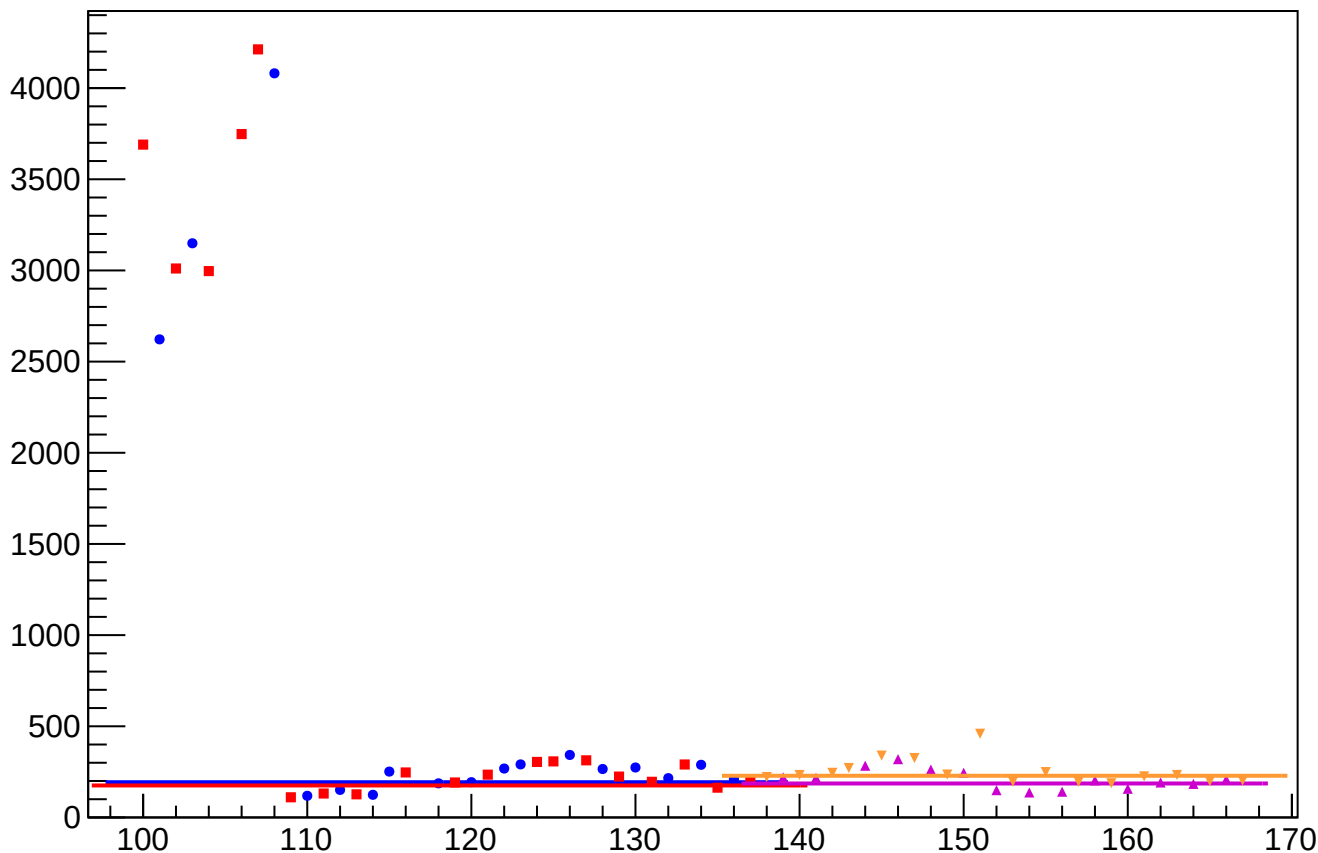
Left In: -63.171 $\pm$ 59.977 χ^2 /NDF: 5.7/13

+ sign 43.739 $\pm$ 54.225 χ^2 /NDF: 18.1/32

All: -5.687 $\pm$ 36.089 χ^2 /NDF: 37.8/65

- sign -44.989 $\pm$ 48.354 χ^2 /NDF: 18.2/32

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

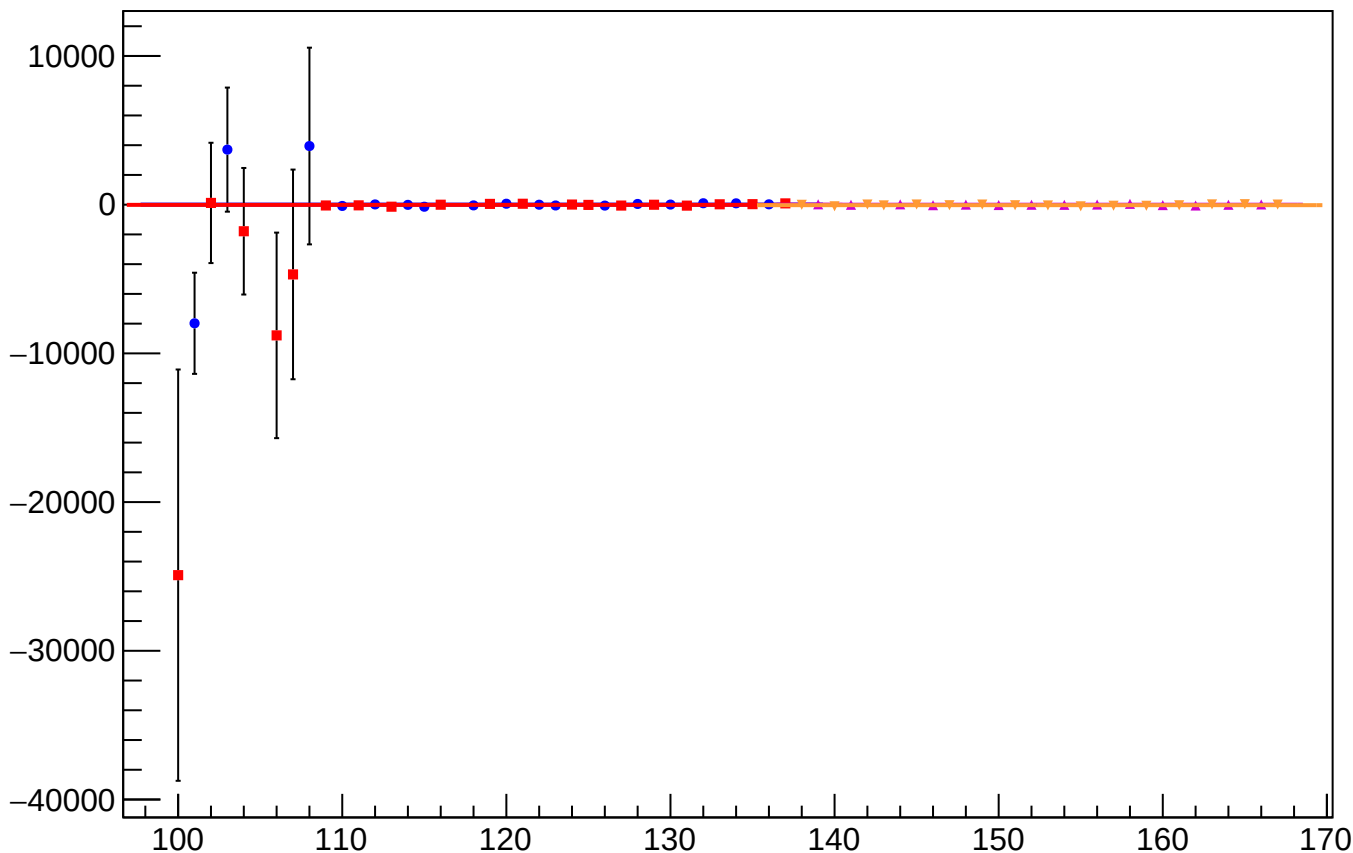
Left In: 186.314+/-0.042 χ^2/NDF : 1267419.4/13

+ sign 215.341+/-0.038 χ^2/NDF : 4685772.5/32

All: 197.060+/-0.026 χ^2/NDF : 10549481.3/65

- sign 182.524+/-0.034 χ^2/NDF : 5455632.9/32

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

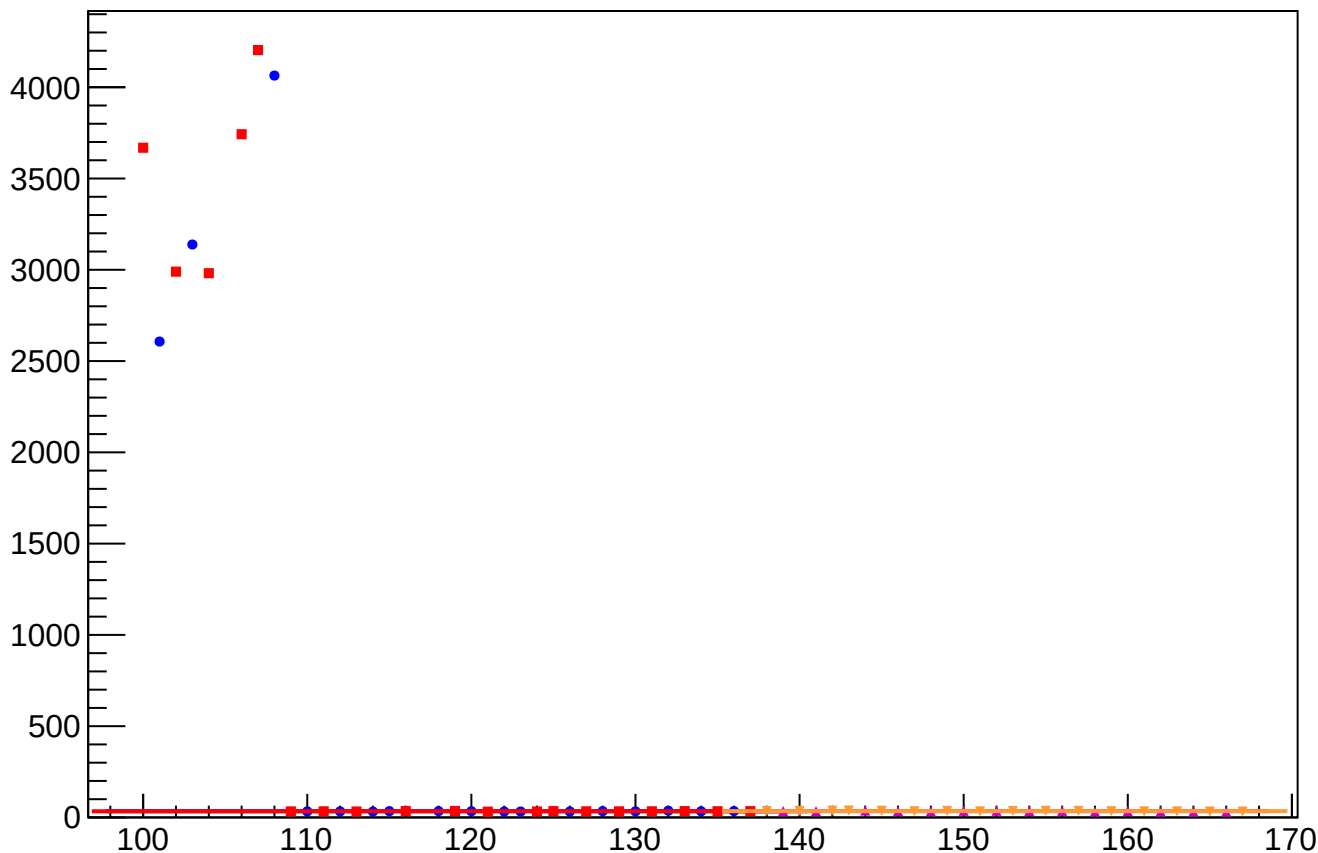
Left In: -2.320 $\pm$ 10.551 χ^2 /NDF:7.3/13

+ sign -20.861 $\pm$ 8.356 χ^2 /NDF: 43.0/32

All: -13.516 $\pm$ 6.000 χ^2 /NDF: 73.8/65

- sign -5.701 $\pm$ 8.620 χ^2 /NDF: 29.3/32

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

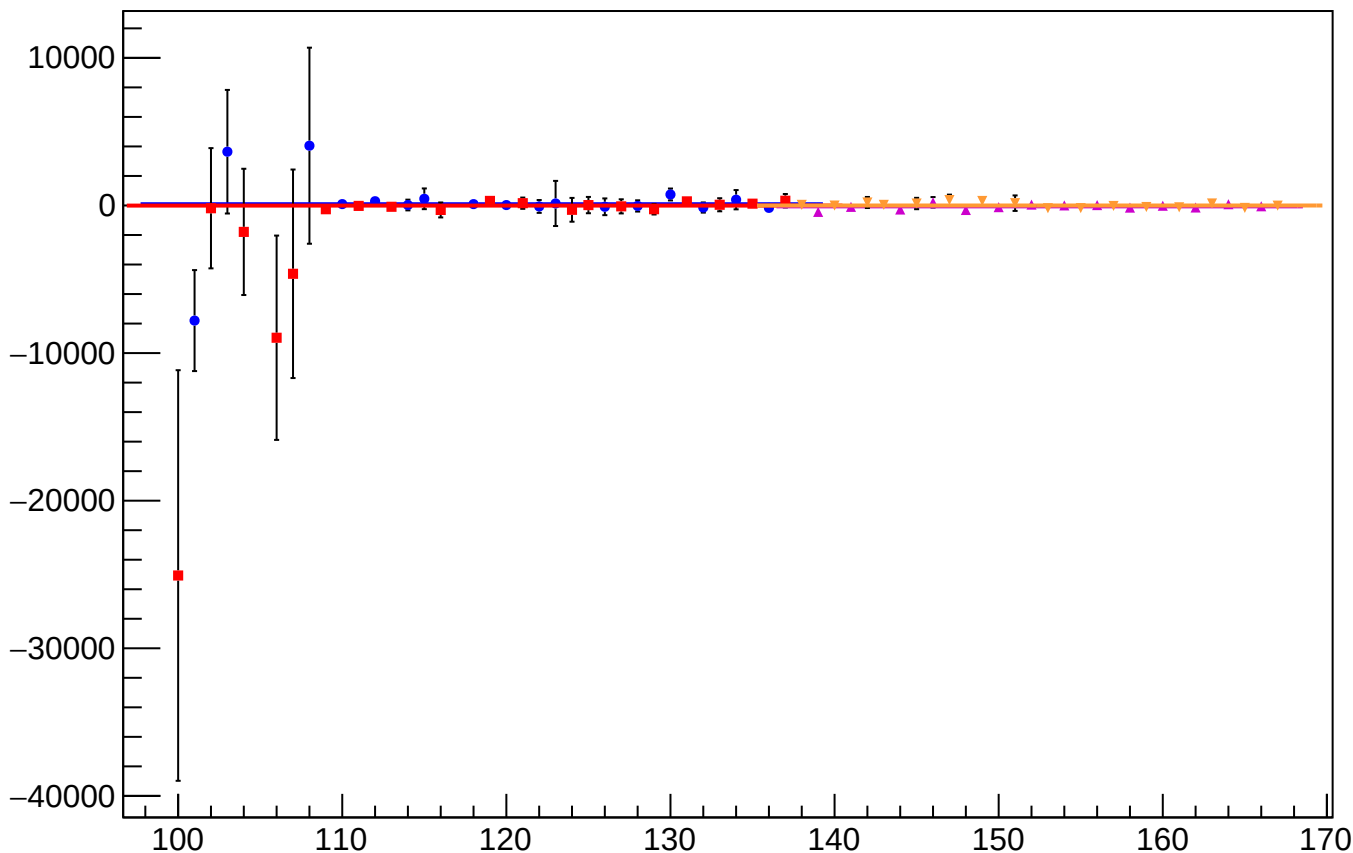
Left In: 34.697 $\pm$ 0.007 χ^2 /NDF: 51407.4/13

+ sign 34.545 $\pm$ 0.006 χ^2 /NDF: 3055072.2/32

All: 34.492 $\pm$ 0.004 χ^2 /NDF: 6562206.4/65

- sign 34.436 $\pm$ 0.006 χ^2 /NDF: 3506969.4/32

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041+/-87.947 χ^2/NDF : 12.4/16

Left Out: -1.111+/-68.539 χ^2/NDF : 5.1/15

Right Out: -7.296+/-81.208 χ^2/NDF : 11.1/18

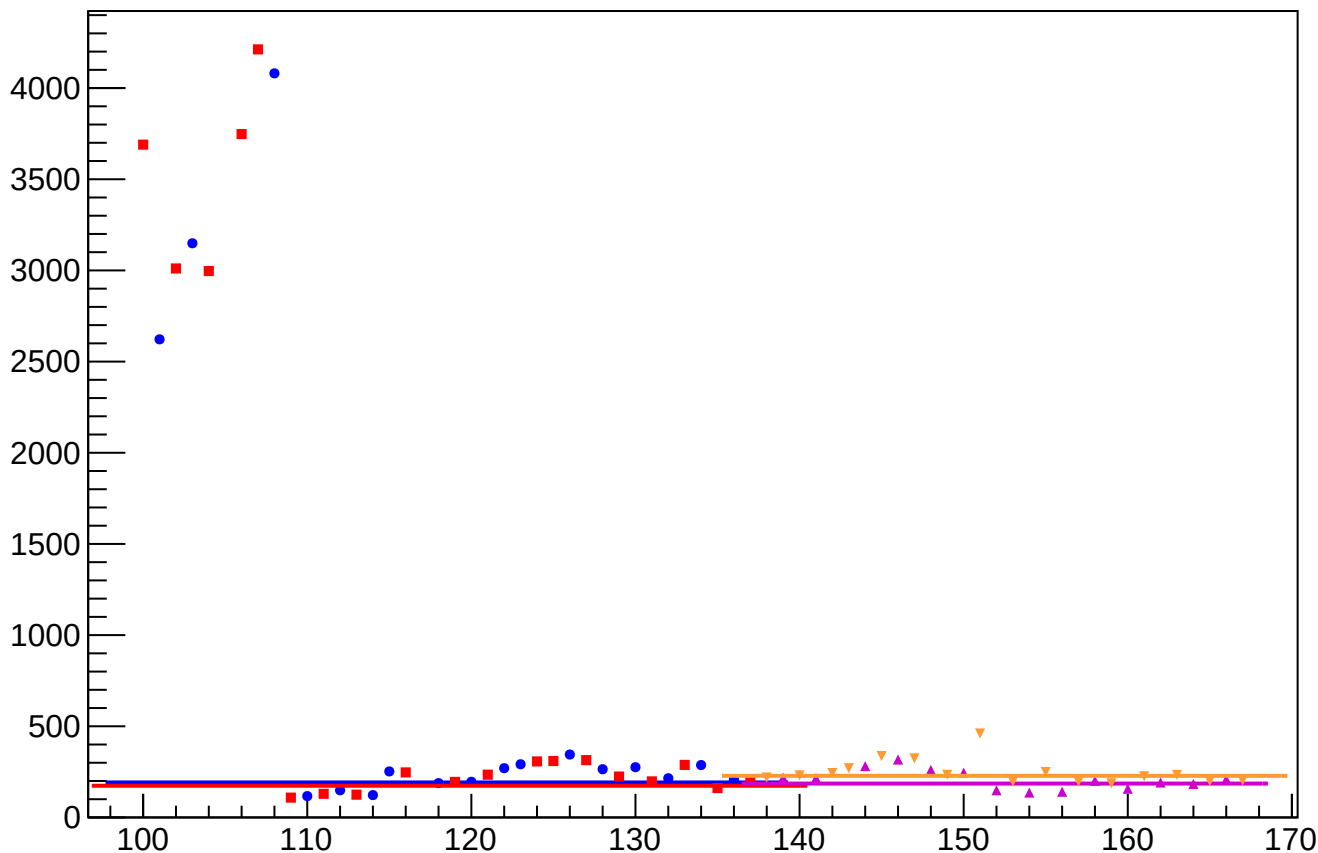
Left In: -60.152+/-59.820 χ^2/NDF : 5.2/13

+ sign 31.819+/-54.061 χ^2/NDF : 18.1/32

All: -9.090+/-35.962 χ^2/NDF : 35.7/65

- sign -41.560+/-48.163 χ^2/NDF : 16.6/32

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

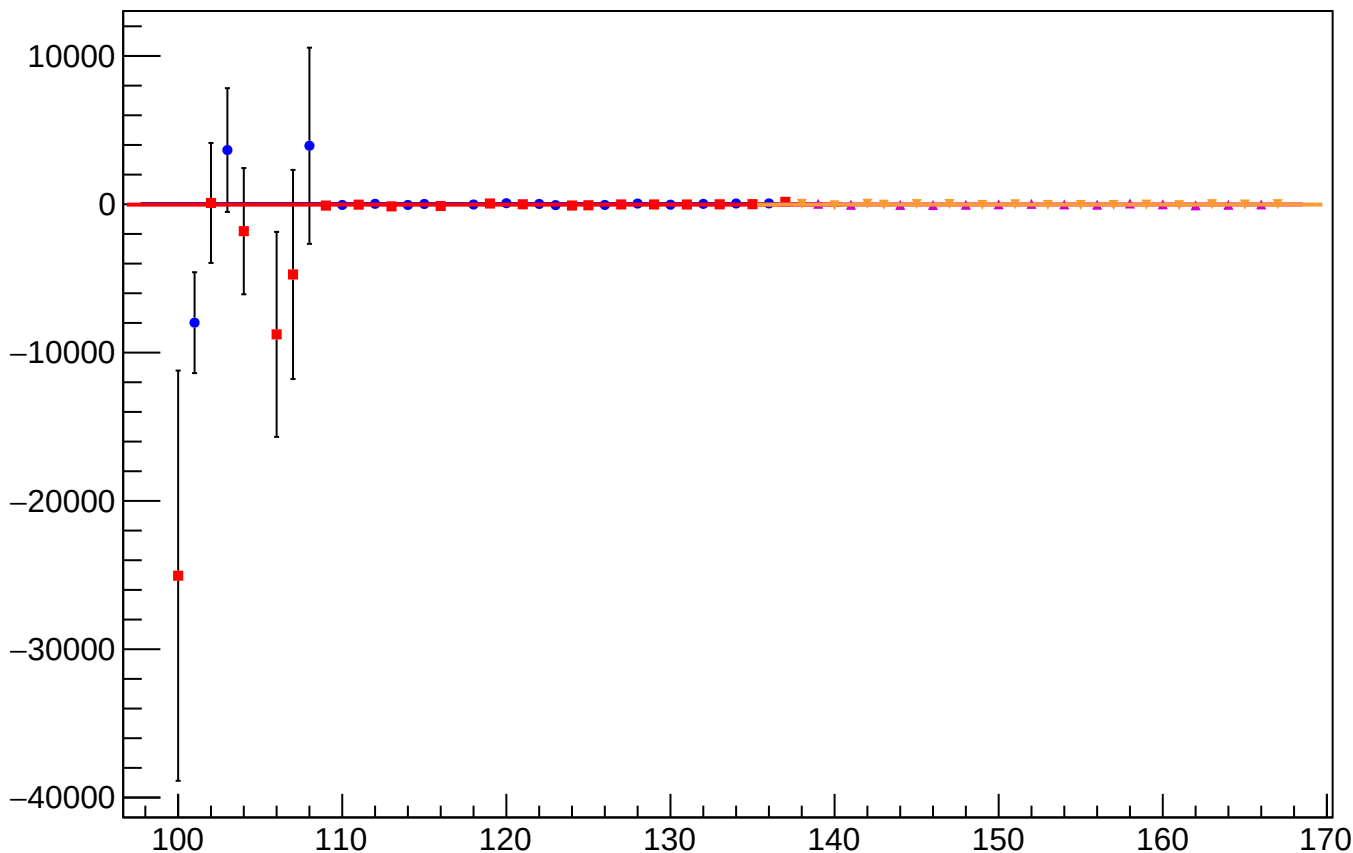
Left In: 185.839 $\pm$ 0.042 χ^2 /NDF: 1254797.2/13

+ sign 214.553 $\pm$ 0.038 χ^2 /NDF: 4723840.4/32

All: 196.209 $\pm$ 0.025 χ^2 /NDF: 10630966.4/65

- sign 181.649 $\pm$ 0.034 χ^2 /NDF: 5494075.2/32

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

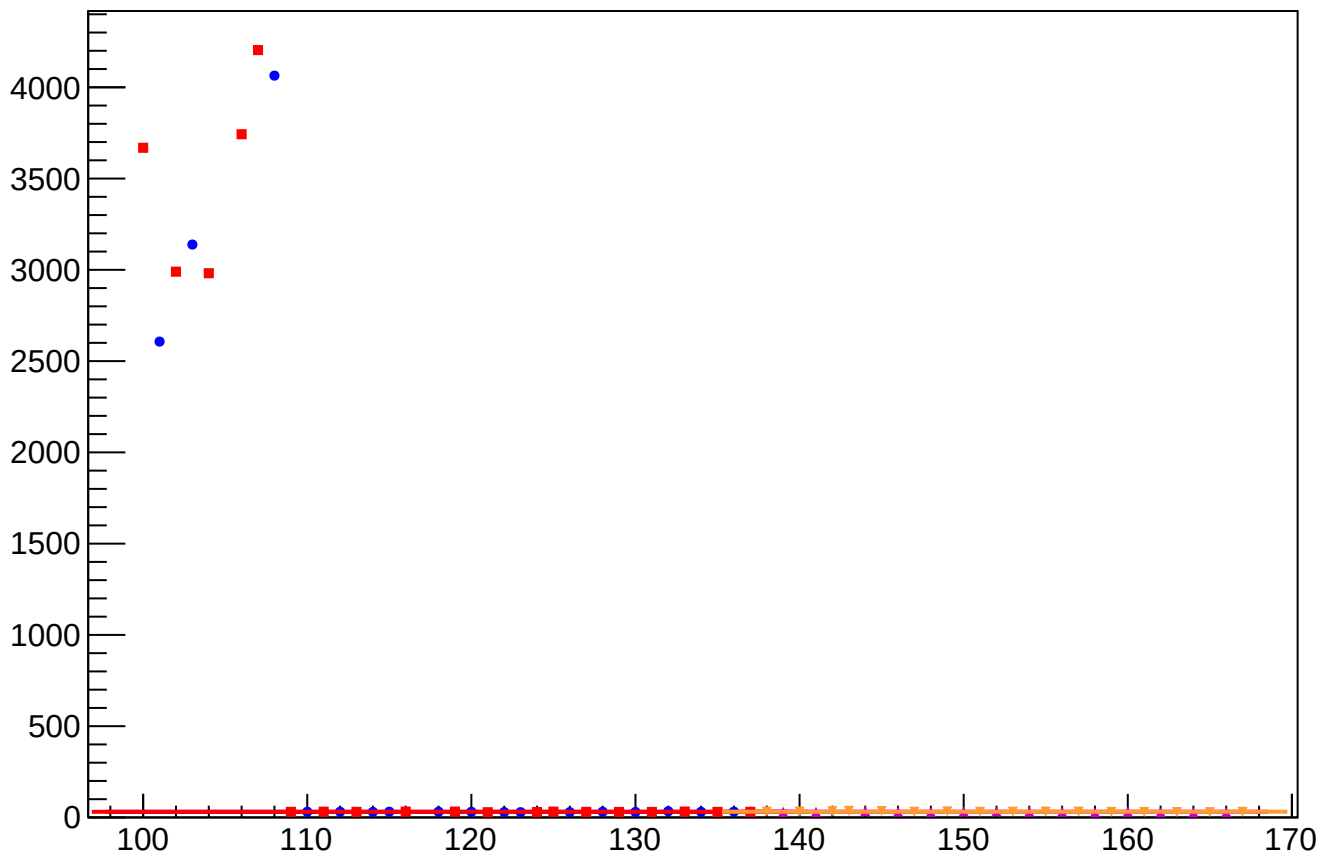
Left In: -11.527+/-9.568 χ^2/NDF : 12.7/13

+ sign -9.654+/-7.598 χ^2/NDF : 31.2/32

All: -12.452+/-5.455 χ^2/NDF : 72.2/65

- sign -15.428+/-7.836 χ^2/NDF : 40.7/32

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

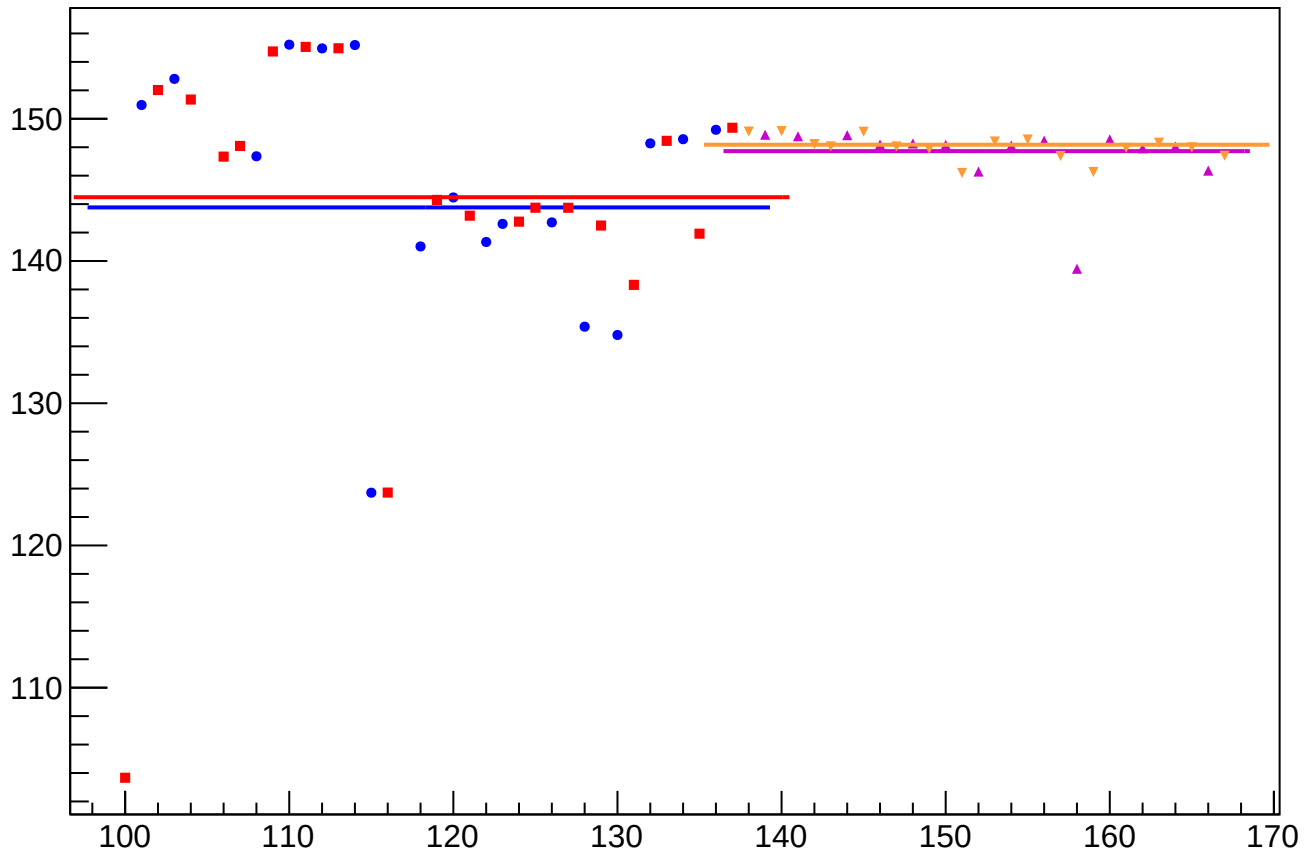
Left In: 31.415 $\pm$ 0.007 χ^2 /NDF: 79644.6/13

+ sign 31.385 $\pm$ 0.005 χ^2 /NDF: 3087372.5/32

All: 31.328 $\pm$ 0.004 χ^2 /NDF: 6627668.5/65

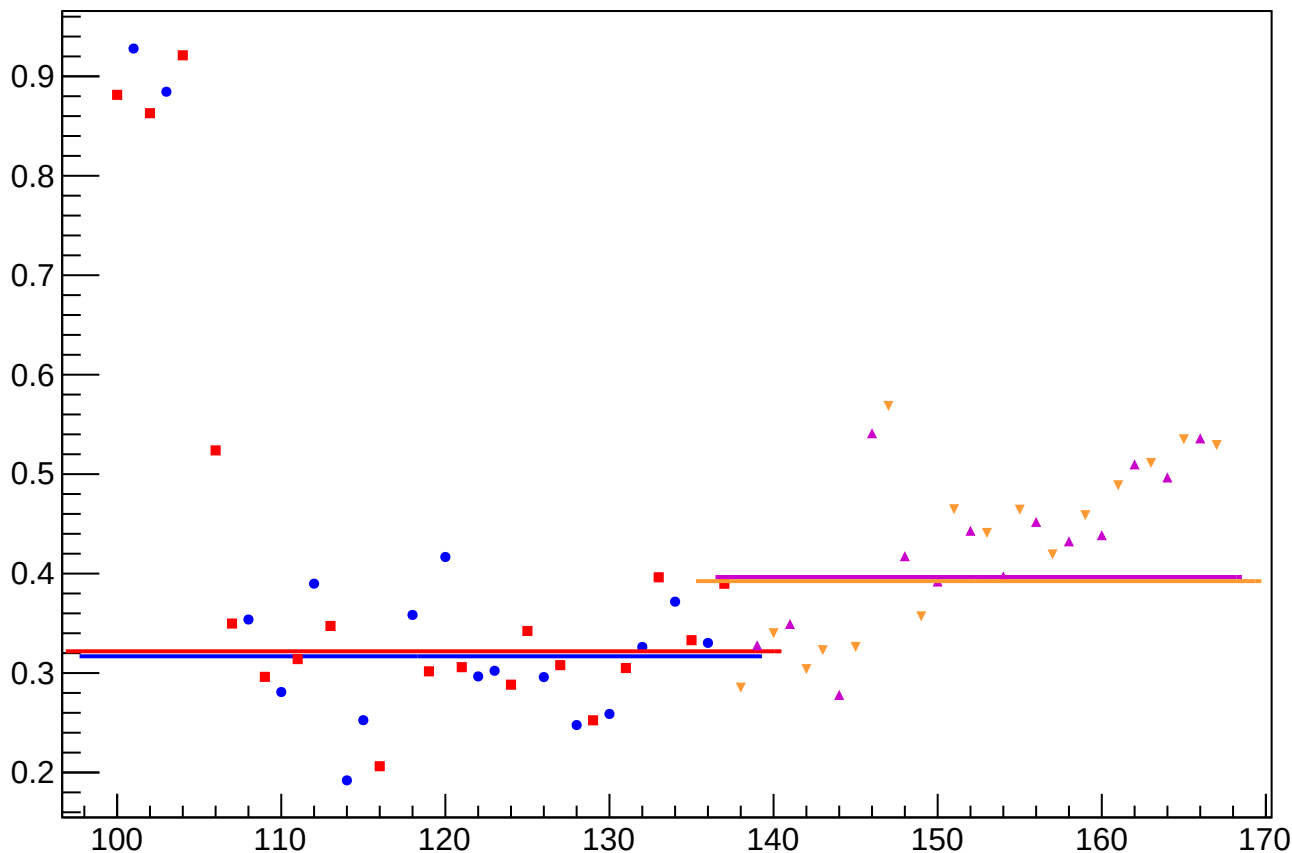
- sign 31.266 $\pm$ 0.006 χ^2 /NDF: 3540057.0/32

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000	χ^2 /NDF: 3532173868.5/16	+ sign 146.237 $\pm$ 0.000	χ^2 /NDF: 4190433683.6/32
Left Out: 148.177 $\pm$ 0.000	χ^2 /NDF: 52452126.2/15	All: 146.222 $\pm$ 0.000	χ^2 /NDF: 9013594266.6
Right Out: 144.486 $\pm$ 0.000	χ^2 /NDF: 4183608291.3/18	- sign 146.206 $\pm$ 0.000	χ^2 /NDF: 4823101190.4/32
Left In: 147.726 $\pm$ 0.000	χ^2 /NDF: 324015859.4/13		

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

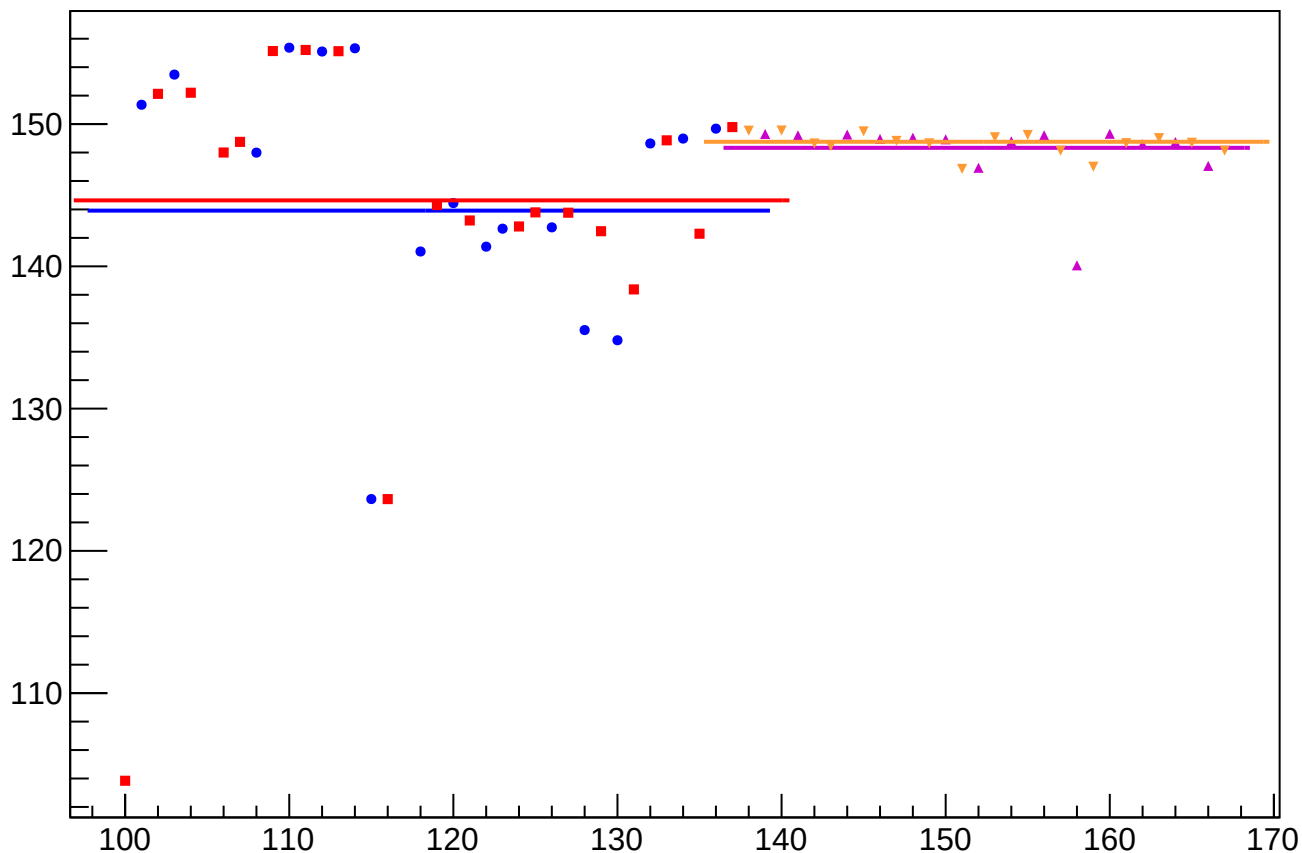
Left In: 0.397 ± 0.000 χ^2/NDF : 765715.4/13

+ sign 0.359 ± 0.000 χ^2/NDF : 2672006.0/32

All: 0.360 ± 0.000 χ^2/NDF : 4991506.1/65

- sign 0.362 ± 0.000 χ^2/NDF : 2318805.6/32

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 148.756 $\pm$ 0.000 χ^2 /NDF: 40946884.6/15

Right Out: 144.637 $\pm$ 0.000 χ^2 /NDF: 4210524953.9/18

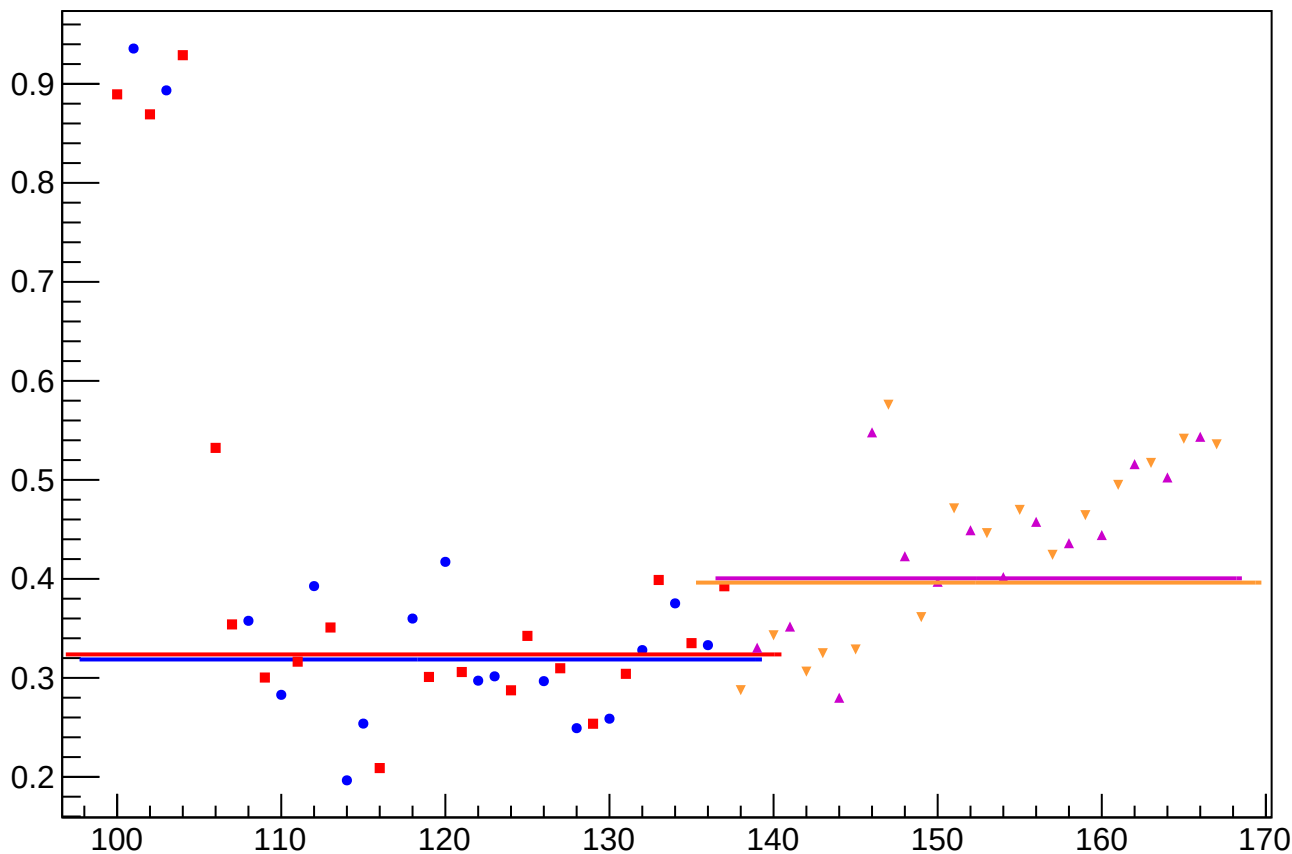
Left In: 148.331 $\pm$ 0.000 χ^2 /NDF: 312983815.8/13

+ sign 146.616 $\pm$ 0.000 χ^2 /NDF: 4344618561.7/32

All: 146.603 $\pm$ 0.000 χ^2 /NDF: 9271700526.7

- sign 146.590 $\pm$ 0.000 χ^2 /NDF: 4927039478.6/32

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

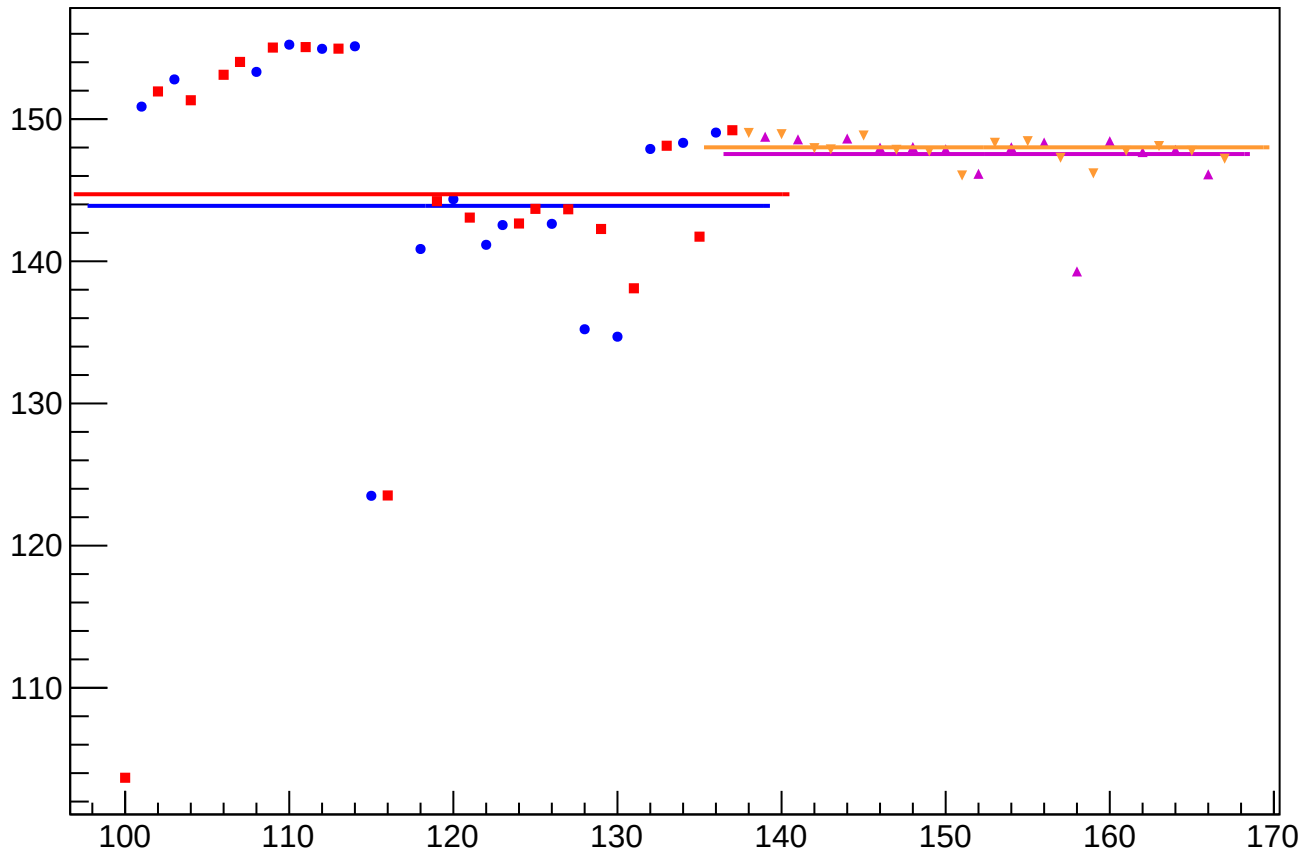
Left In: 0.401 ± 0.000 χ^2/NDF : 782101.5/13

+ sign 0.362 ± 0.000 χ^2/NDF : 2707152.9/32

All: 0.363 ± 0.000 χ^2/NDF : 5060021.4/65

- sign 0.364 ± 0.000 χ^2/NDF : 2352163.4/32

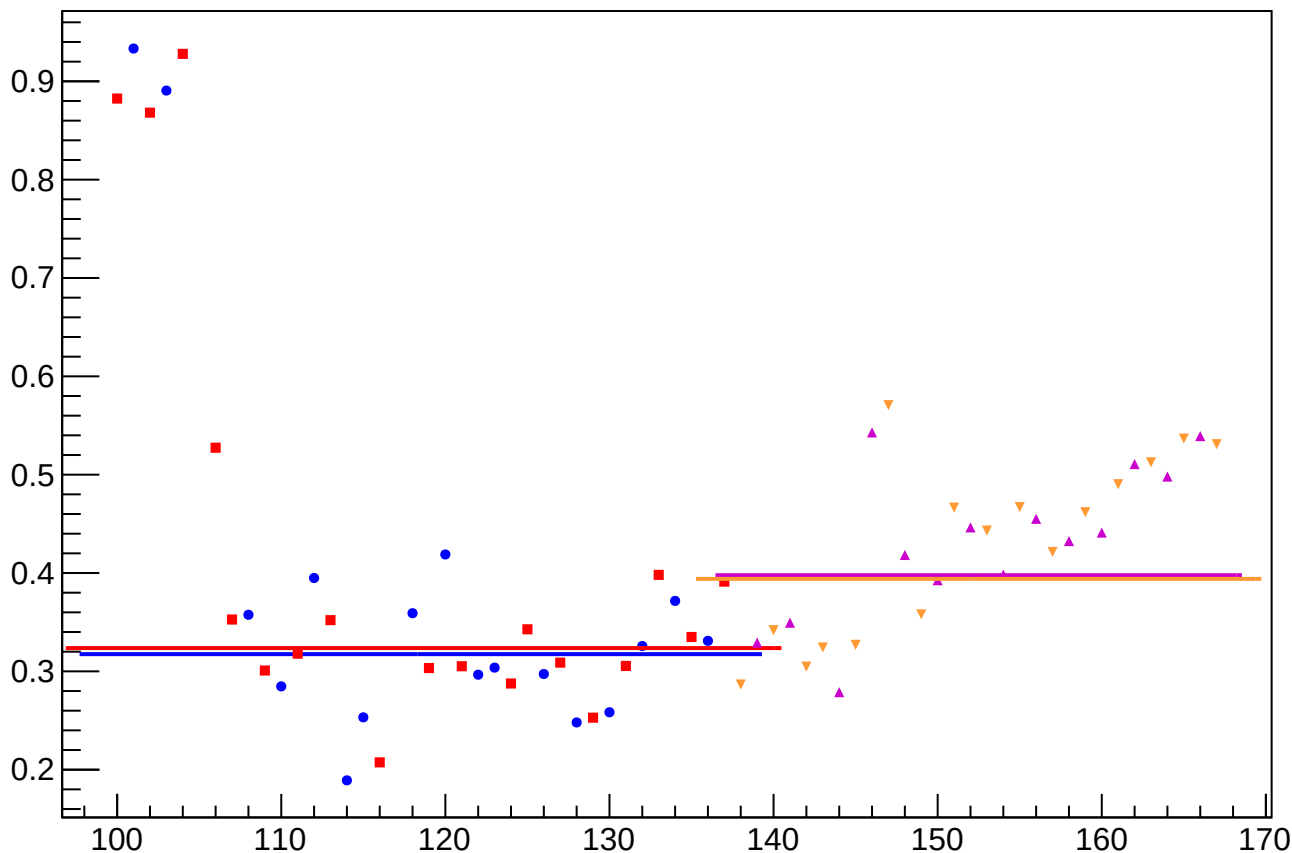
yield_bcm_an_us_mean vs Slug



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: 147.543 $\pm$ 0.000 χ^2 /NDF: 322863084.8/13

+ sign 146.202 $\pm$ 0.000 χ^2 /NDF: 4325369828.7/32
 All: 146.211 $\pm$ 0.000 χ^2 /NDF: 9360833321.1
 - sign 146.220 $\pm$ 0.000 χ^2 /NDF: 5035443258.8/32

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

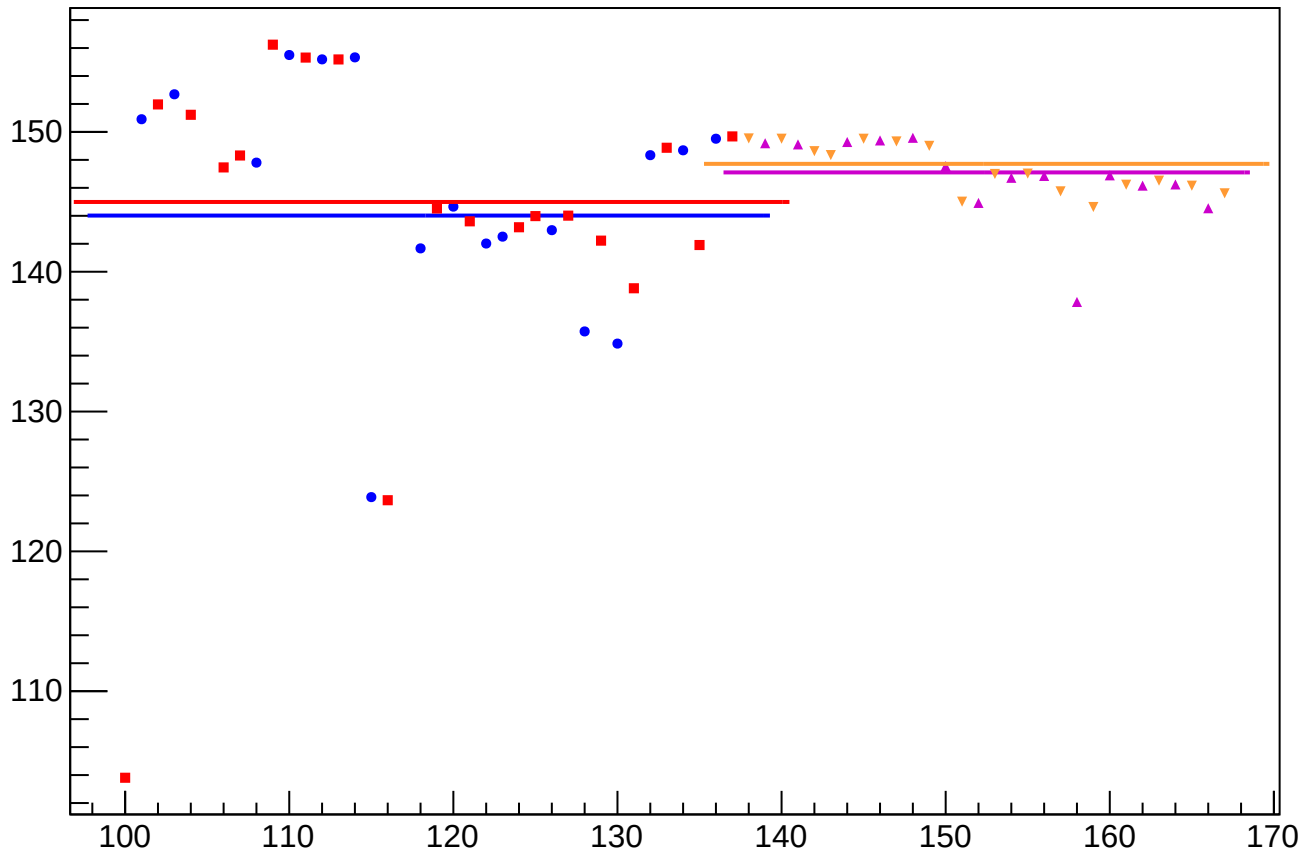
Left In: 0.398 $\pm$ 0.000 χ^2 /NDF:770263.0/13

+ sign 0.360 $\pm$ 0.000 χ^2 /NDF: 2693885.6/32

All: 0.362 $\pm$ 0.000 χ^2 /NDF: 5013886.1/65

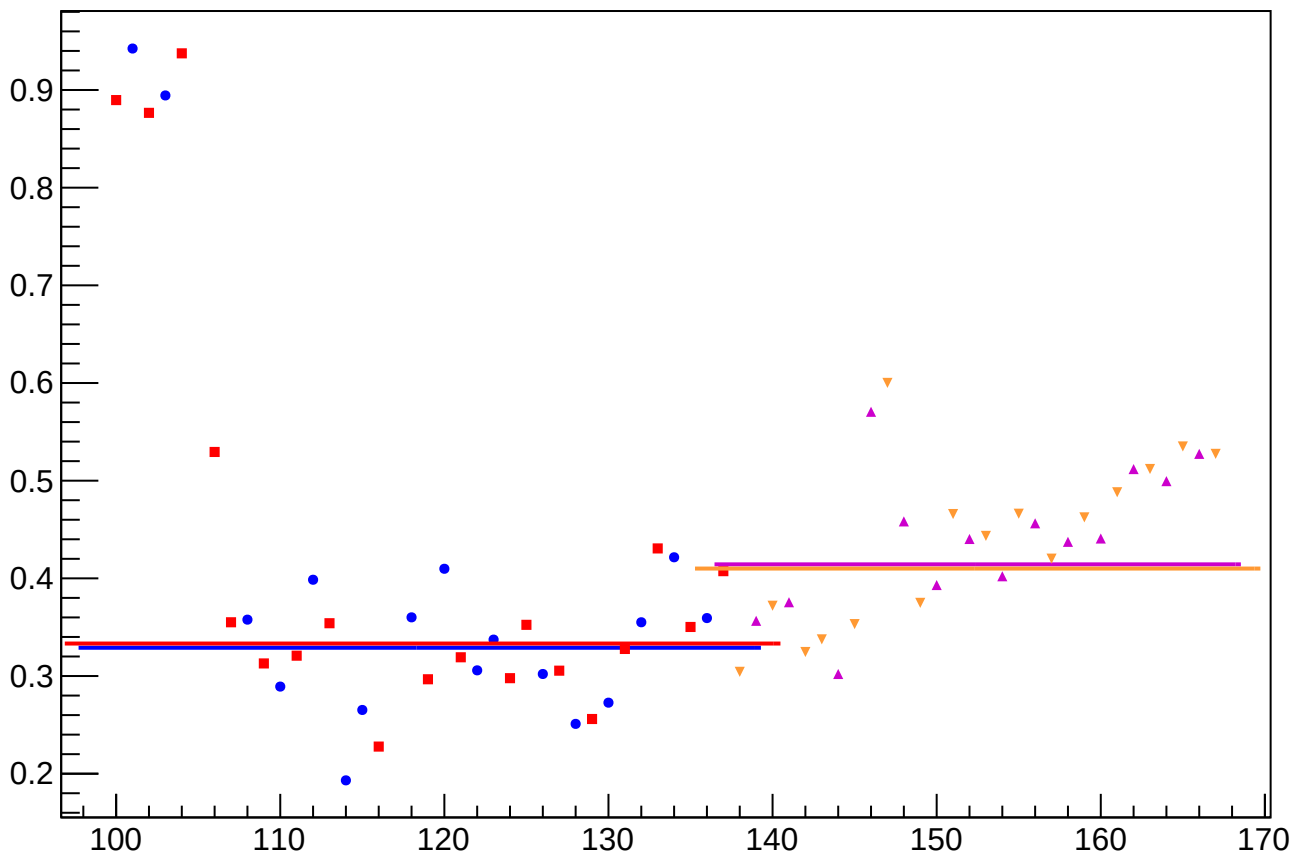
- sign 0.363 $\pm$ 0.000 χ^2 /NDF: 2319049.0/32

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: 8297025752.3
Right Out: 144.990 $\pm$ 0.000	χ^2 /NDF: 3853449012.9/18	- sign 146.108 $\pm$ 0.000	χ^2 /NDF: 4475621470.3/32
Left In: 147.104 $\pm$ 0.000	χ^2 /NDF: 497635333.3/13		

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

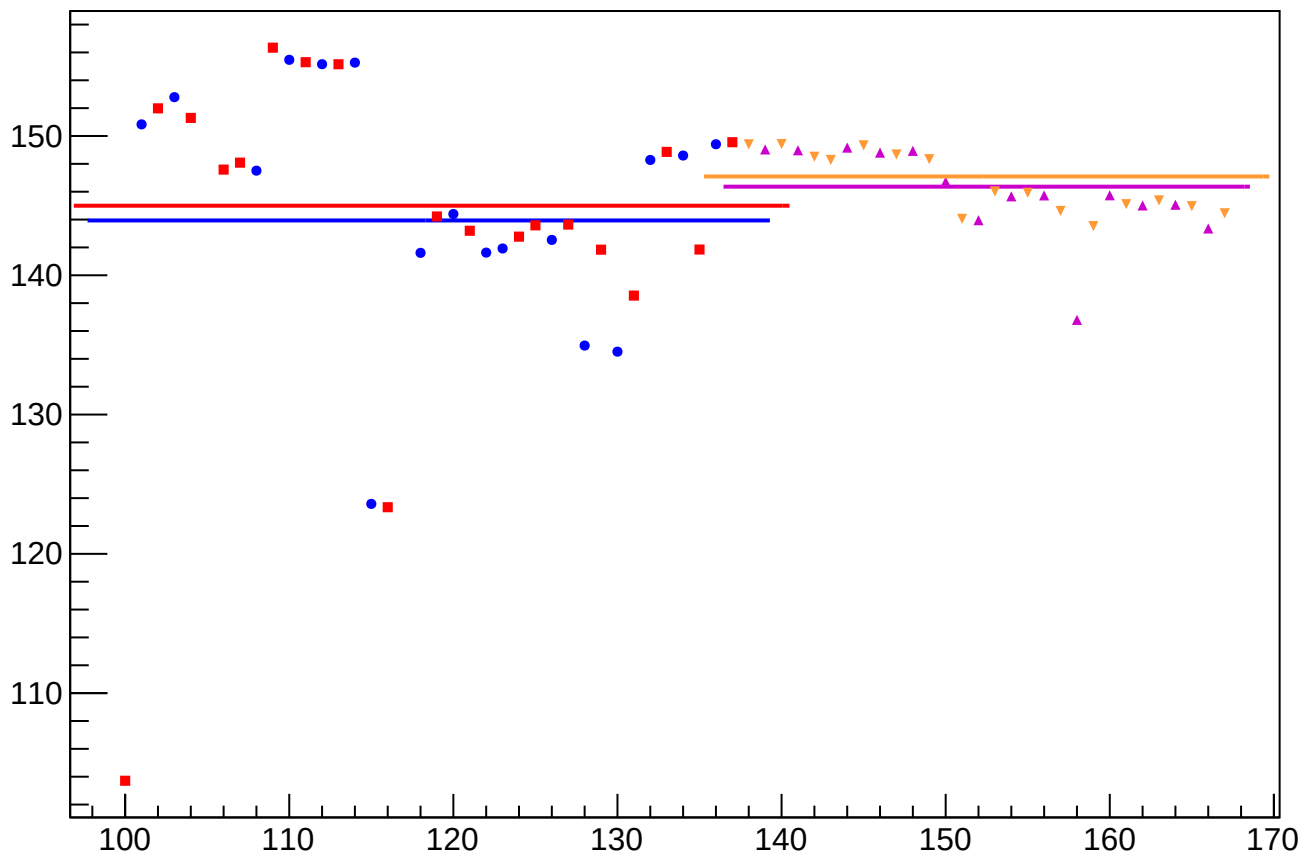
Left In: 0.414 ± 0.000 χ^2/NDF : 582512.4/13

+ sign 0.374 ± 0.000 χ^2/NDF : 2462355.0/32

All: 0.375 ± 0.000 χ^2/NDF : 4594062.1/65

- sign 0.376 ± 0.000 χ^2/NDF : 2131342.2/32

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 147.094 $\pm$ 0.000 χ^2 /NDF: 290209981.7/15

Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3934069043.2/18

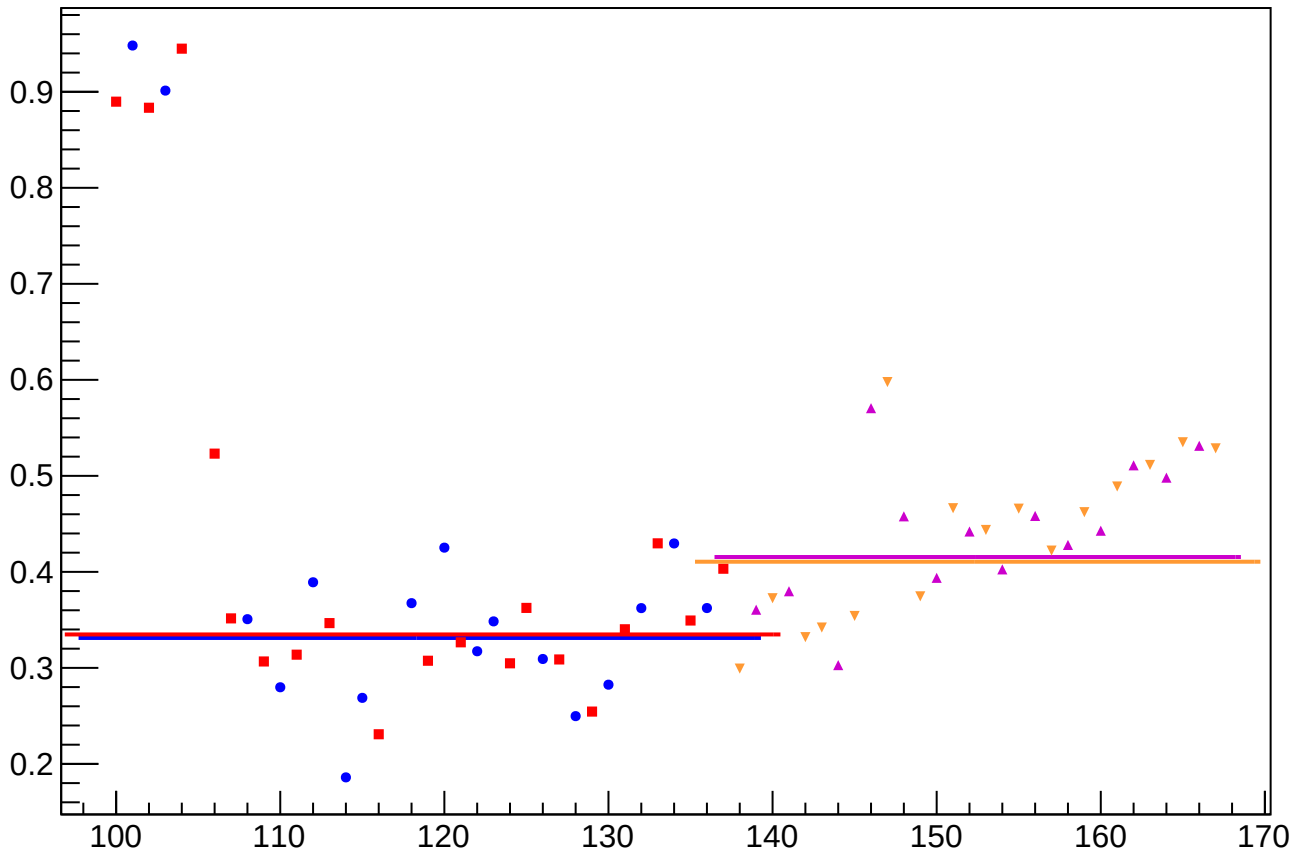
Left In: 146.362 $\pm$ 0.000 χ^2 /NDF: 611508388.9/13

+ sign 145.714 $\pm$ 0.000 χ^2 /NDF: 3952787263.9/32

All: 145.716 $\pm$ 0.000 χ^2 /NDF: 8549978226.8

- sign 145.719 $\pm$ 0.000 χ^2 /NDF: 4597189558.5/32

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

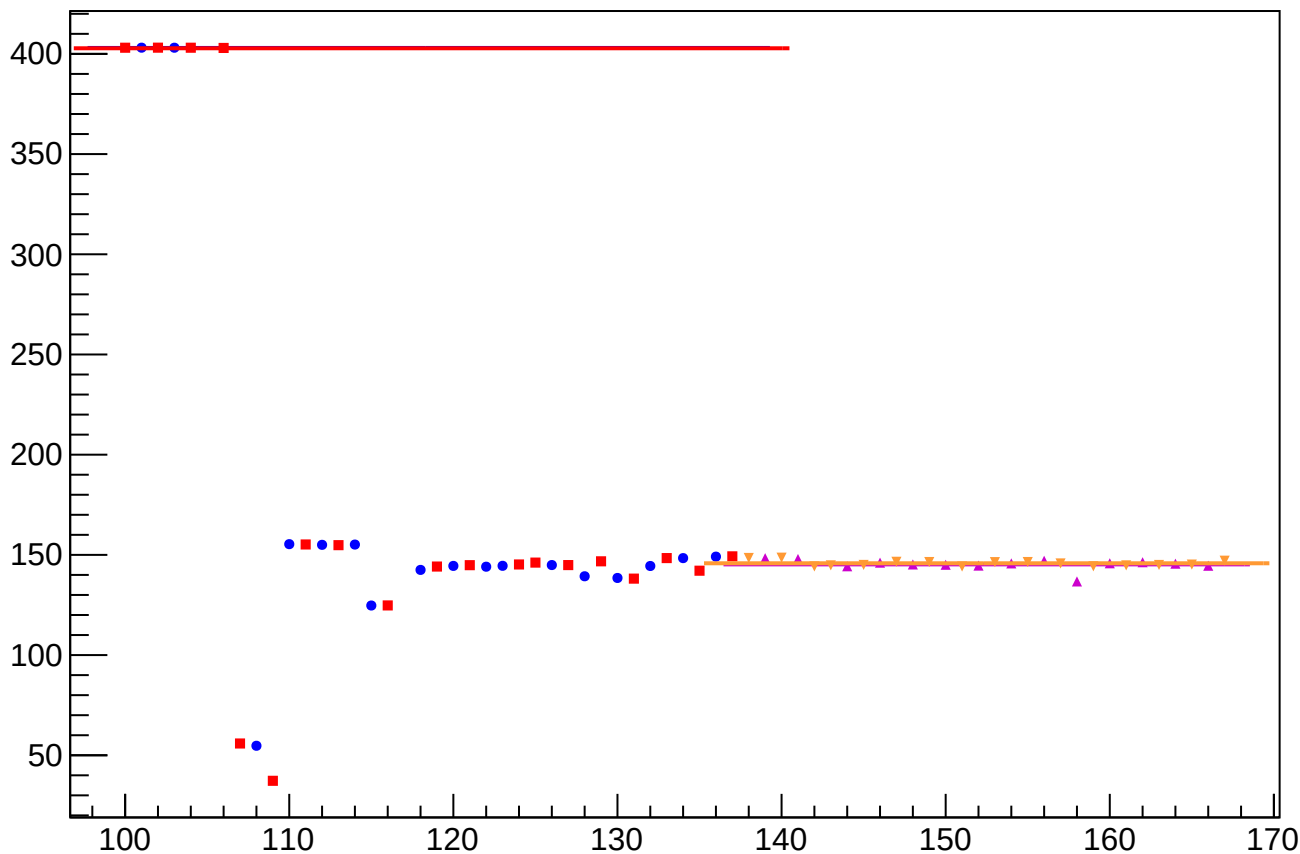
Left In: 0.415 ± 0.000 χ^2/NDF : 566817.3/13

+ sign 0.376 ± 0.000 χ^2/NDF : 2460952.5/32

All: 0.377 ± 0.000 χ^2/NDF : 4559614.3/65

- sign 0.378 ± 0.000 χ^2/NDF : 2098339.8/32

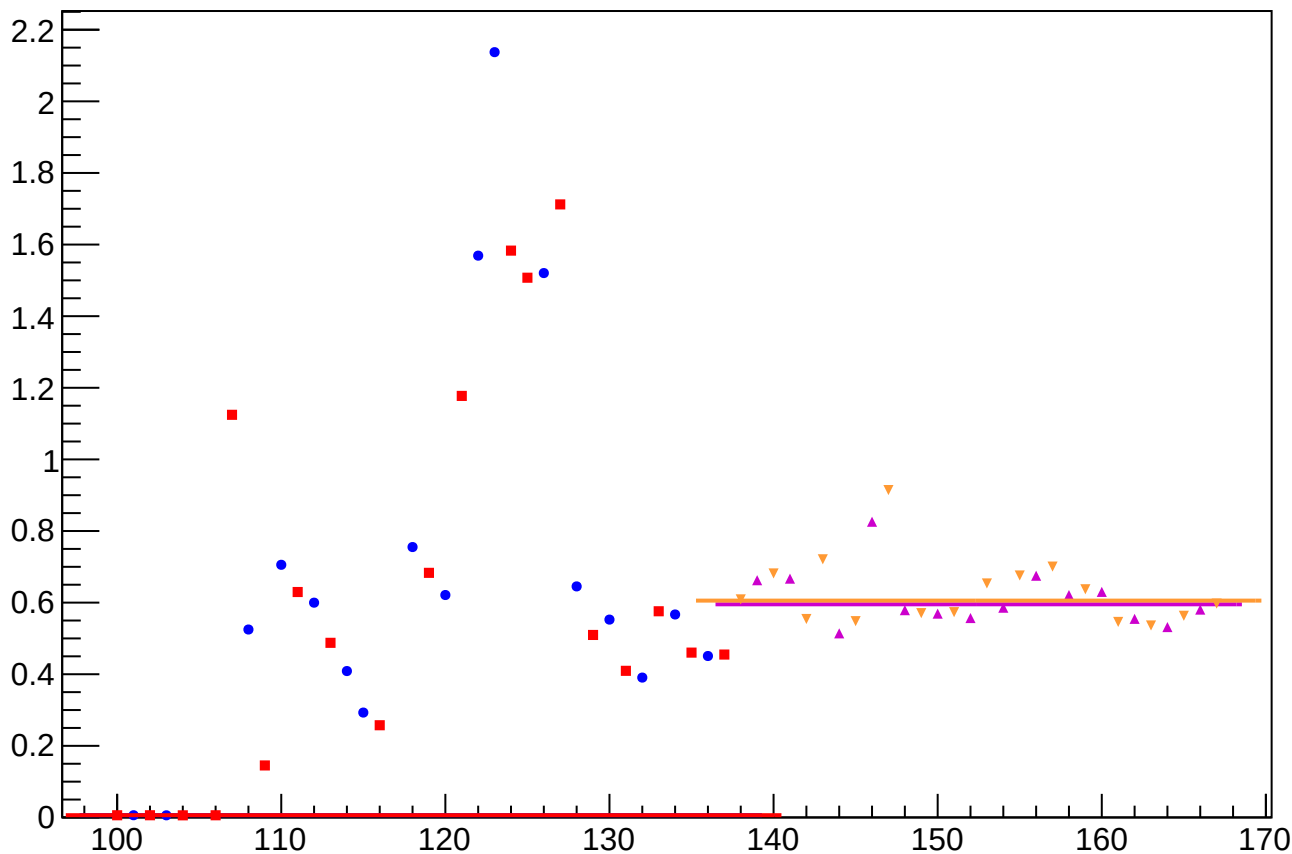
yield_cav4bQ_mean vs Slug



Right In: 402.957 $\pm$ 0.000 χ^2 /NDF: 1096710296821.6/16
 Left Out: 145.807 $\pm$ 0.000 χ^2 /NDF: 44279120.4/15
 Right Out: 402.799 $\pm$ 0.000 χ^2 /NDF: 3103890772575.4/18
 Left In: 145.259 $\pm$ 0.000 χ^2 /NDF: 129891734.7/13

+ sign 402.766 $\pm$ 0.000 χ^2 /NDF: 2629250407999.0
 All: 402.699 $\pm$ 0.000 χ^2 /NDF: 717011255064
 - sign 402.640 $\pm$ 0.000 χ^2 /NDF: 4540601134695.6

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

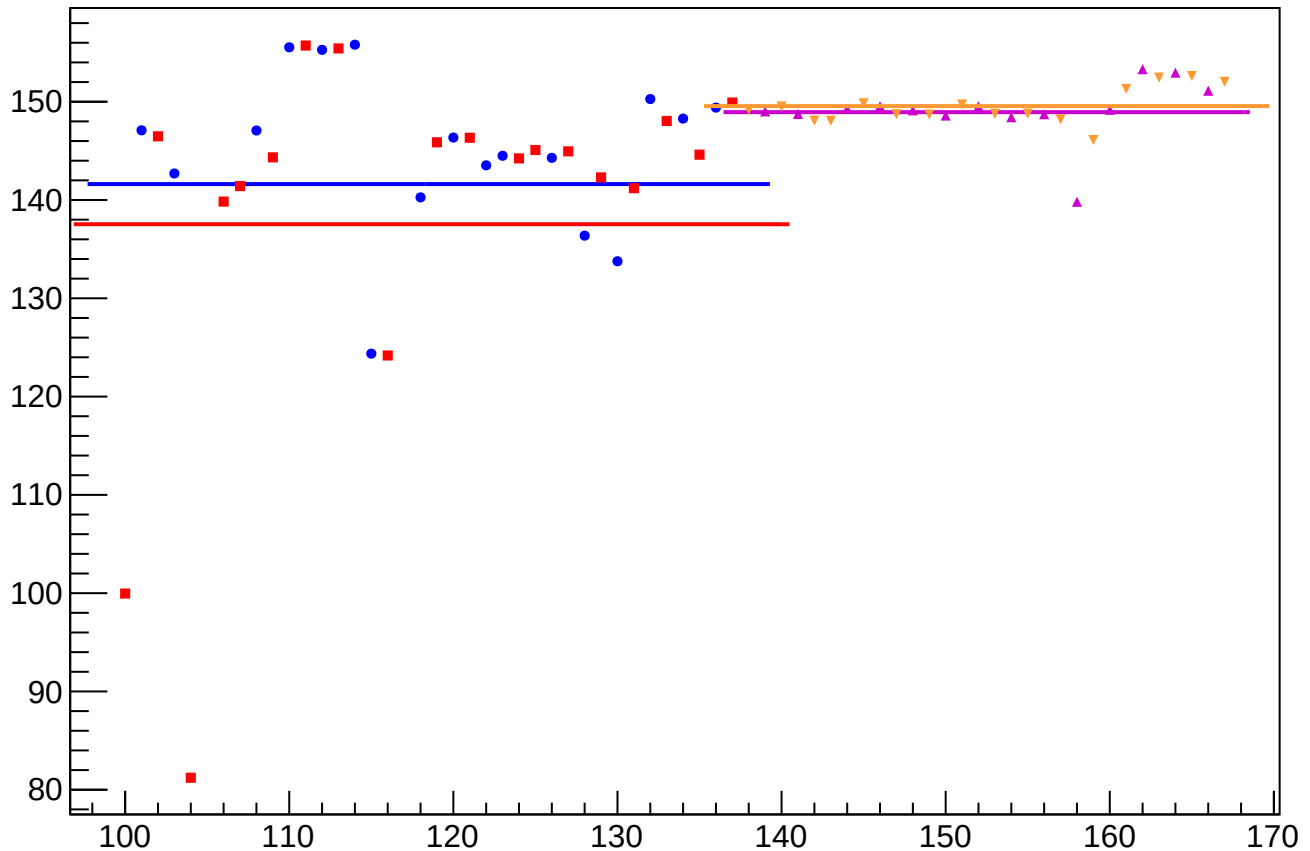
Left In: 0.595+/-0.000 χ^2/NDF :188258.5/13

+ sign 0.007+/-0.000 χ^2/NDF : 26062888.2/32

All: 0.007+/-0.000 χ^2/NDF : 50490398.7/65

- sign 0.007+/-0.000 χ^2/NDF : 24427209.2/32

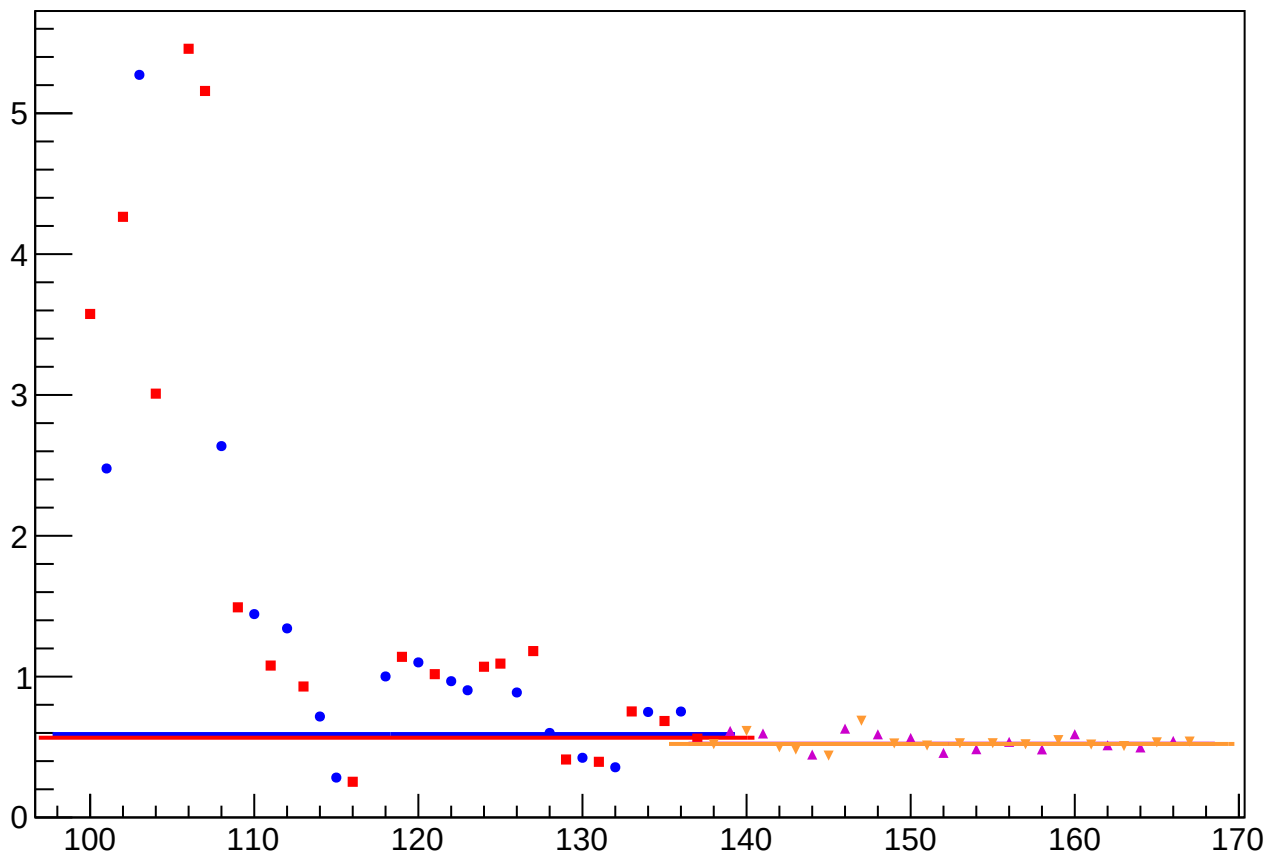
yield_cav4cQ_mean vs Slug



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: 148.938 ± 0.000 χ^2/NDF : 363057951.2/13

+ sign 147.902 ± 0.000 χ^2/NDF : 1605261026.6/32
 All: 147.117 ± 0.000 χ^2/NDF : 4404739400.3
 - sign 146.280 ± 0.000 χ^2/NDF : 2737630359.5/32

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

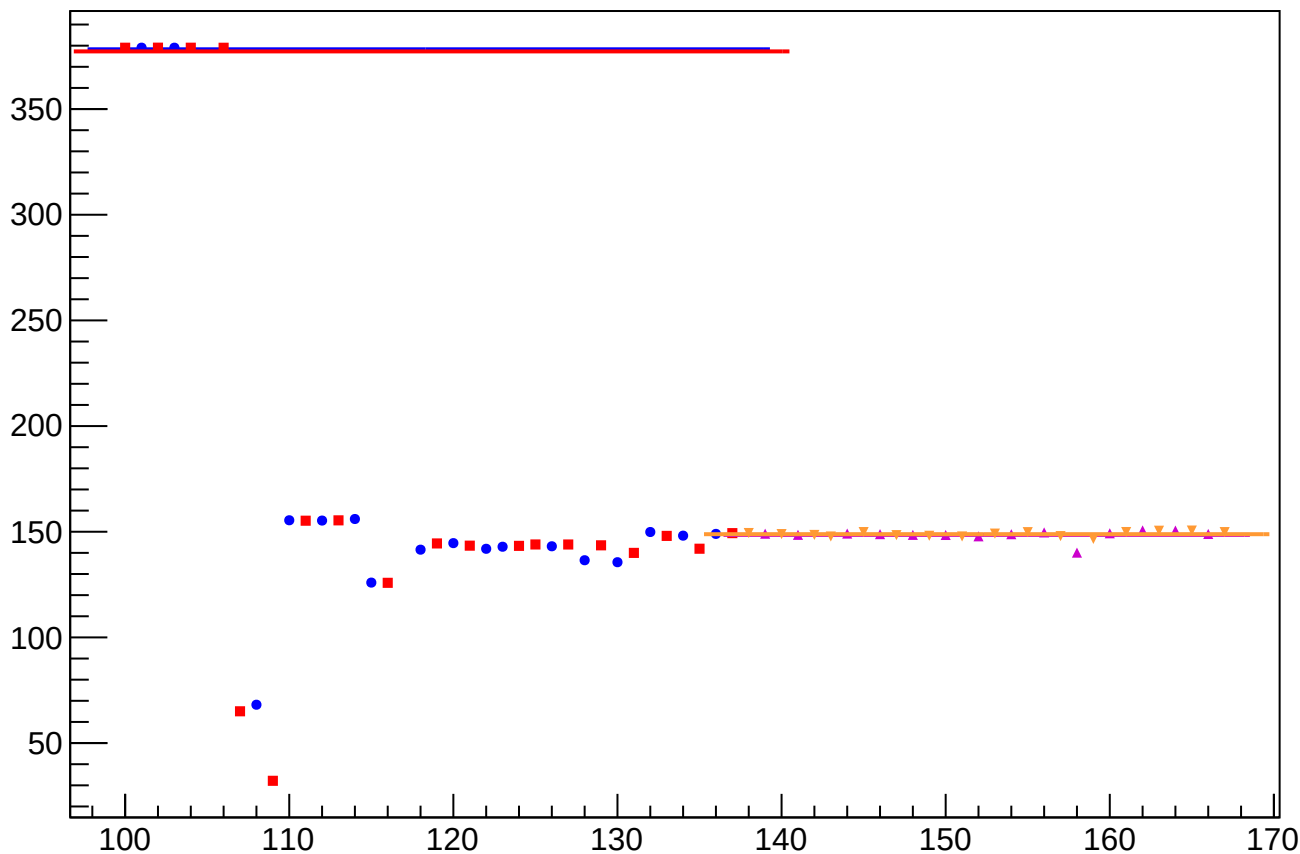
Left In: 0.524 $\pm$ 0.000 χ^2 /NDF:226716.6/13

+ sign 0.537 $\pm$ 0.000 χ^2 /NDF: 3772139.3/32

All: 0.535 $\pm$ 0.000 χ^2 /NDF: 8710818.5/65

- sign 0.534 $\pm$ 0.000 χ^2 /NDF: 4938243.5/32

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

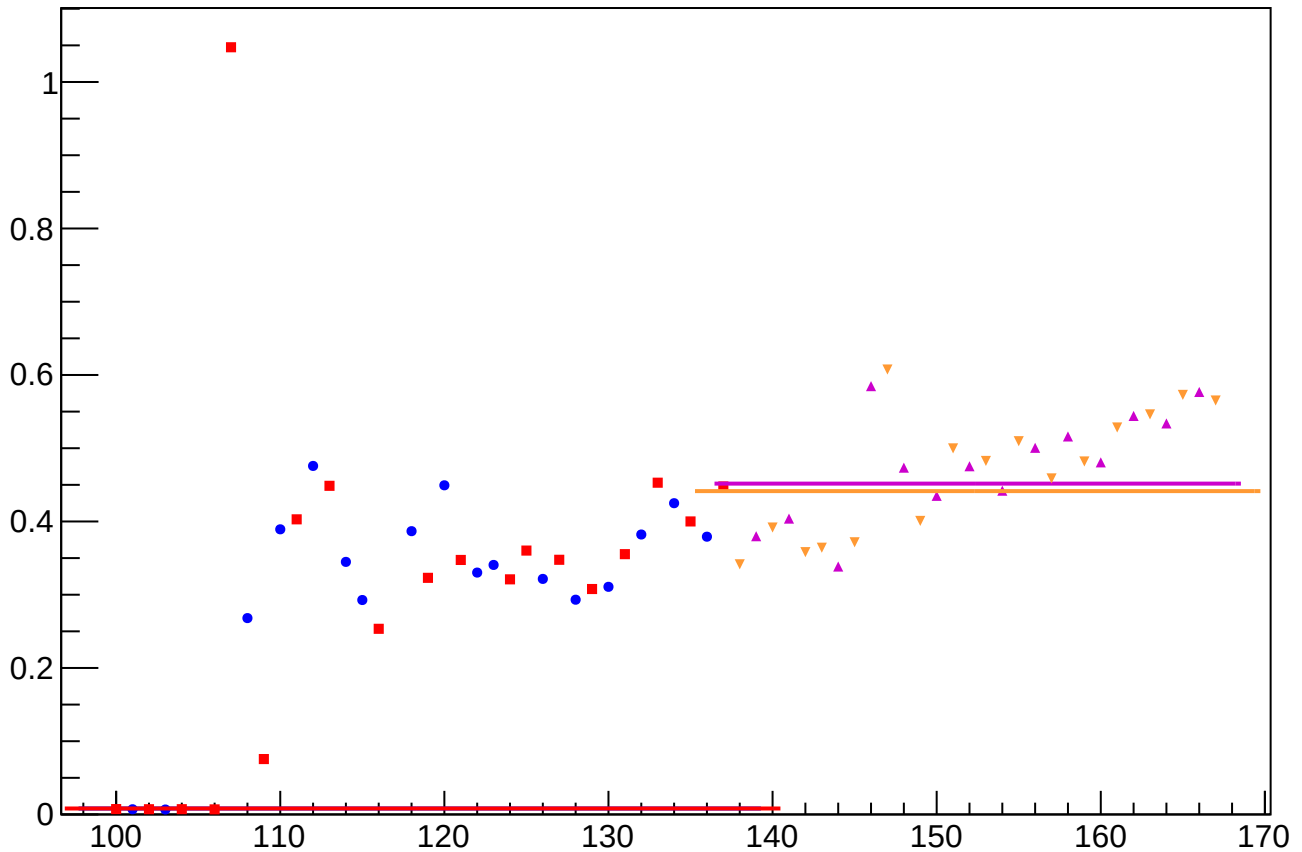
Left In: 148.509+/-0.000 χ^2/NDF : 232870585.1/13

+ sign 377.303+/-0.000 χ^2/NDF : 5501456050783.6

All: 376.894+/-0.000 χ^2/NDF : 164071777552

- sign 376.534+/-0.000 χ^2/NDF : 10901513146625.3

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

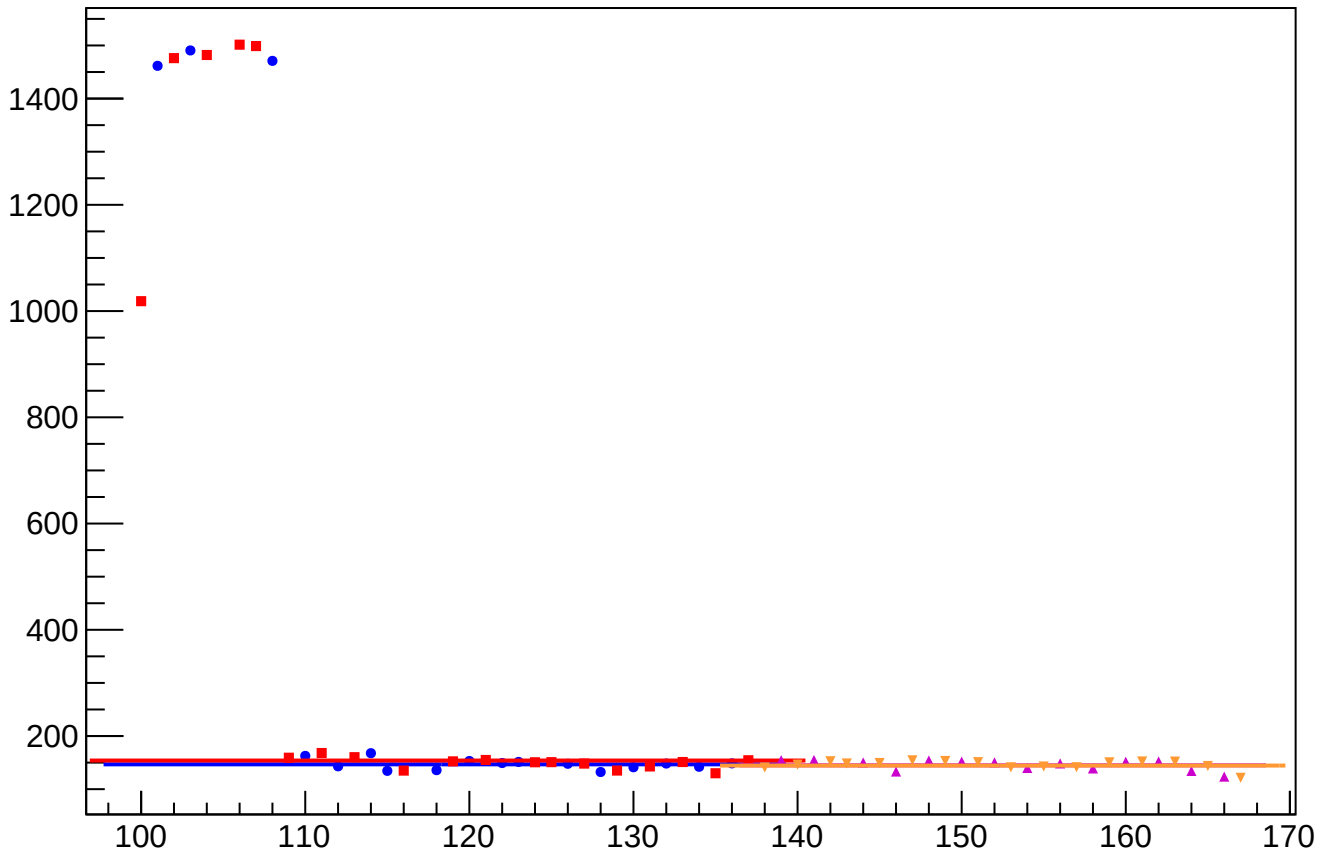
Left In: 0.452+/-0.000 χ^2/NDF : 516566.6/13

+ sign 0.010+/-0.000 χ^2/NDF : 31939107.4/32

All: 0.010+/-0.000 χ^2/NDF : 61701716.3/65

- sign 0.010+/-0.000 χ^2/NDF : 29760715.0/32

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

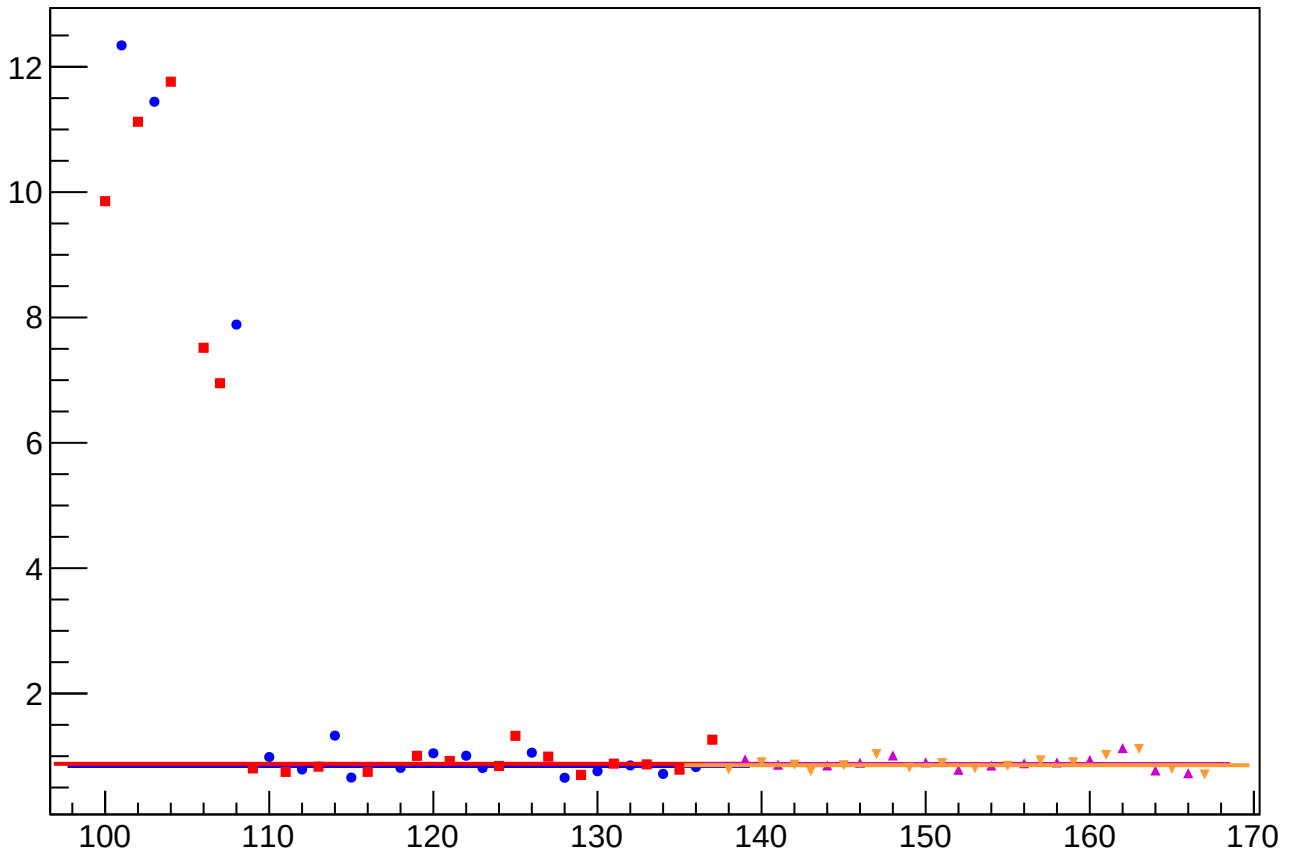
Left In: 144.863+/-0.000 χ^2/NDF : 1080750411.8/13

+ sign 145.101+/-0.000 χ^2/NDF : 25538007307.9/32

All: 146.352+/-0.000 χ^2/NDF : 60711188444.0

- sign 147.722+/-0.000 χ^2/NDF : 35113234172.6/32

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

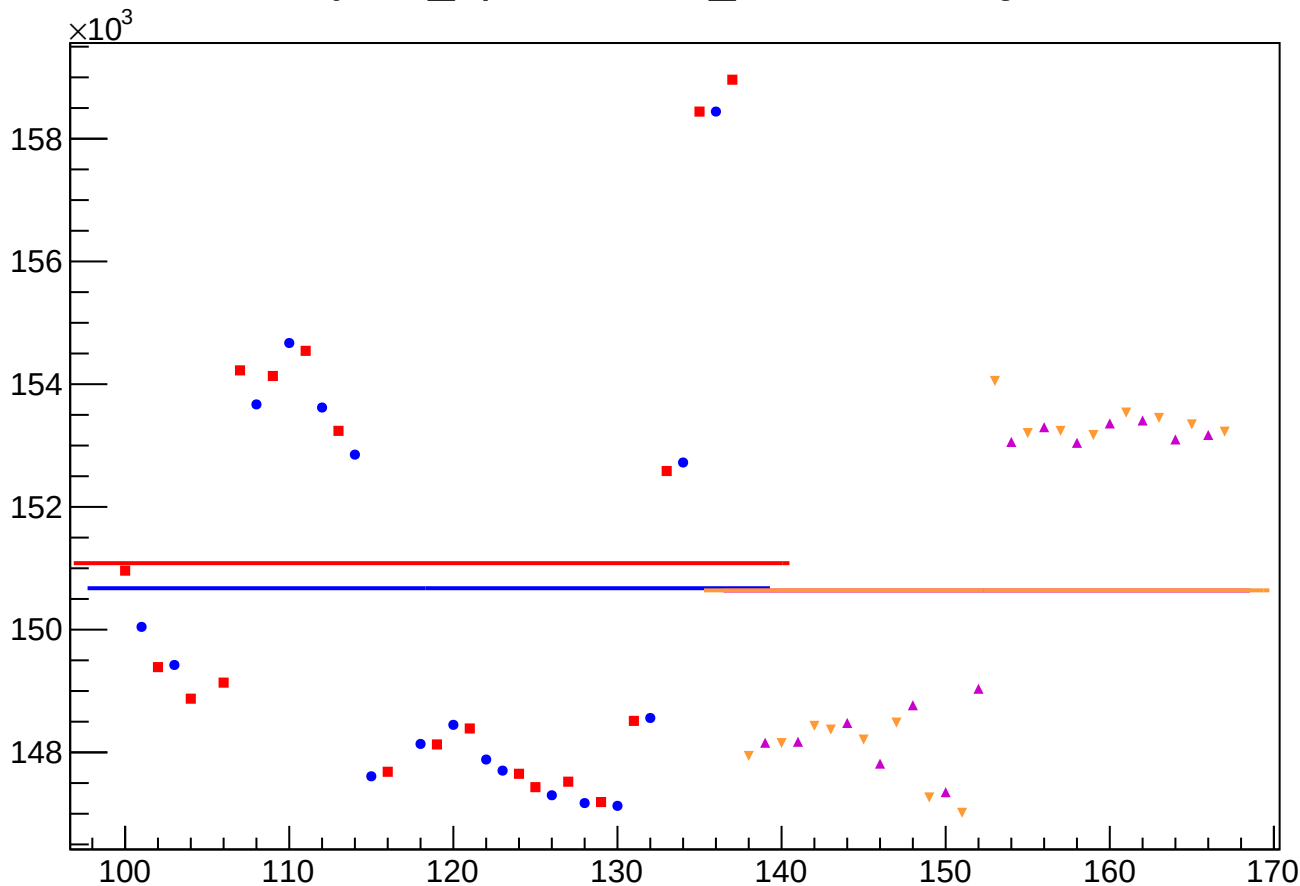
Left In: 0.876 ± 0.000 χ^2/NDF : 188580.1/13

+ sign 0.852 ± 0.000 χ^2/NDF : 2933874.9/32

All: 0.864 ± 0.000 χ^2/NDF : 5945163.2/65

- sign 0.877 ± 0.000 χ^2/NDF : 3001130.0/32

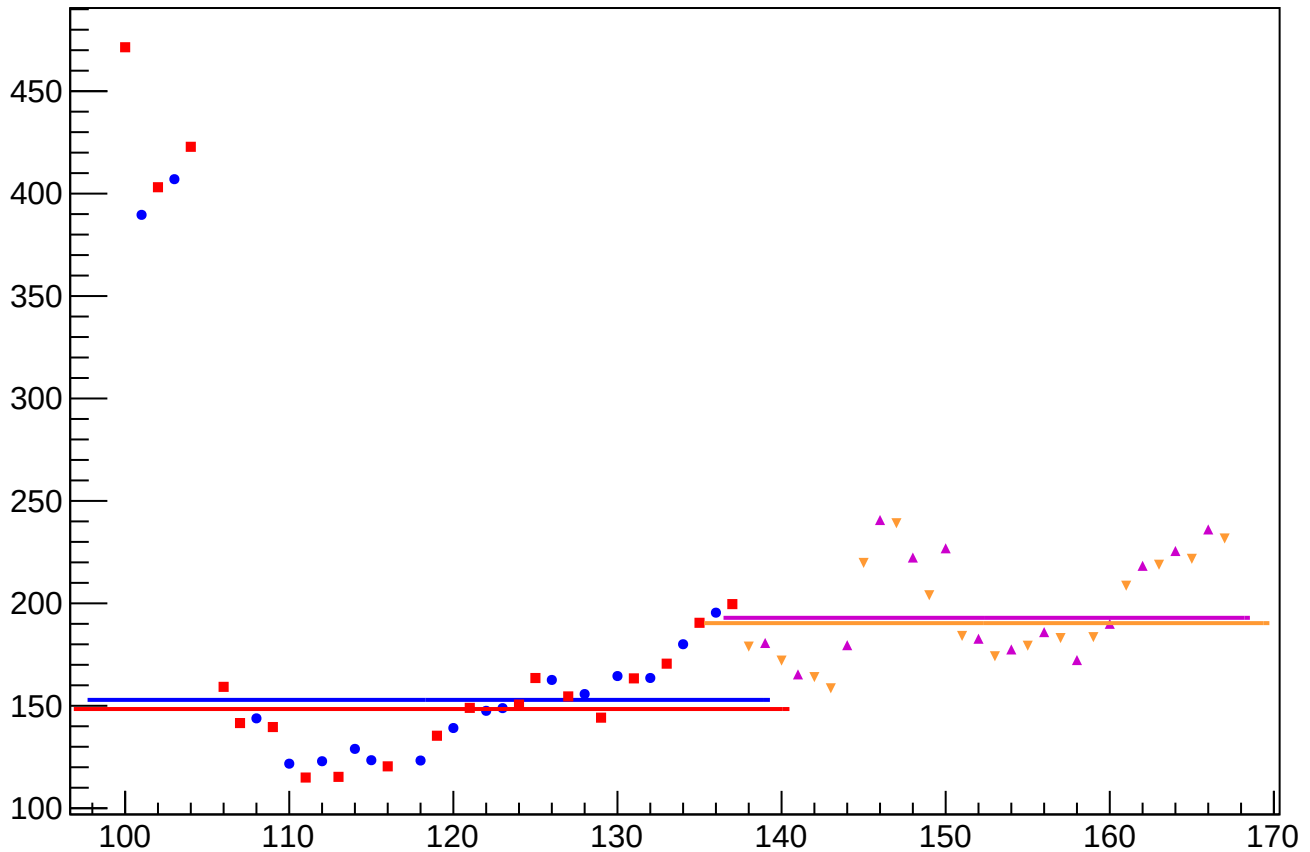
yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16
 Left Out: 150640.310 $\pm$ 0.056 χ^2 /NDF: 2448474795.1/15
 Right Out: 151083.268 $\pm$ 0.060 χ^2 /NDF: 3300830370.5/18
 Left In: 150637.134 $\pm$ 0.059 χ^2 /NDF: 1730372894.6/13

+ sign 150655.633 $\pm$ 0.042 χ^2 /NDF: 5758619476.1
 All: 150756.708 $\pm$ 0.030 χ^2 /NDF: 108296425
 - sign 150859.118 $\pm$ 0.042 χ^2 /NDF: 5059268882.6

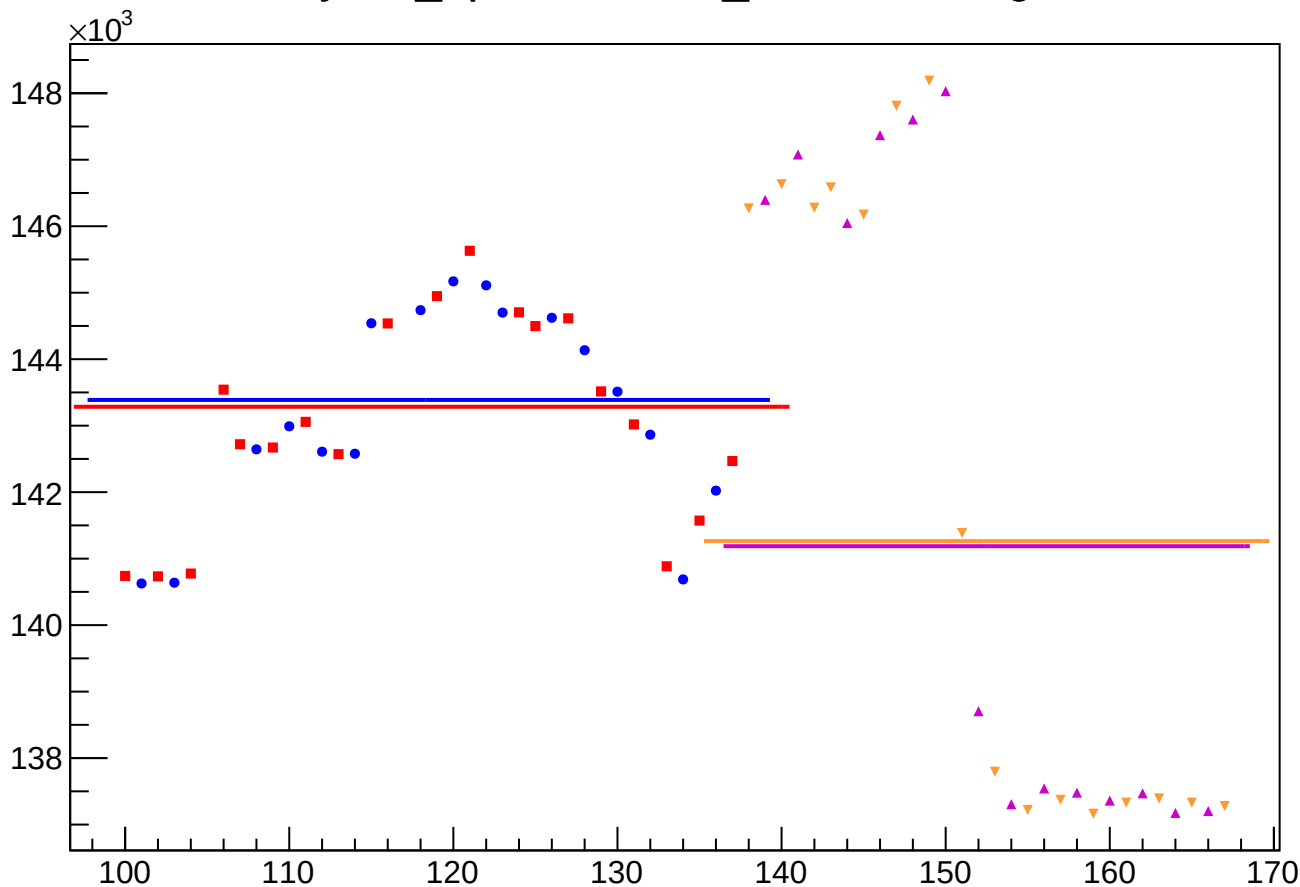
yield_bpm0i01WS_rms vs Slug



Right In: 152.883 ± 0.045 χ^2/NDF : 1154088.7/16
 Left Out: 190.346 ± 0.040 χ^2/NDF : 333094.0/15
 Right Out: 148.418 ± 0.042 χ^2/NDF : 1191577.6/18
 Left In: 192.939 ± 0.042 χ^2/NDF : 315639.9/13

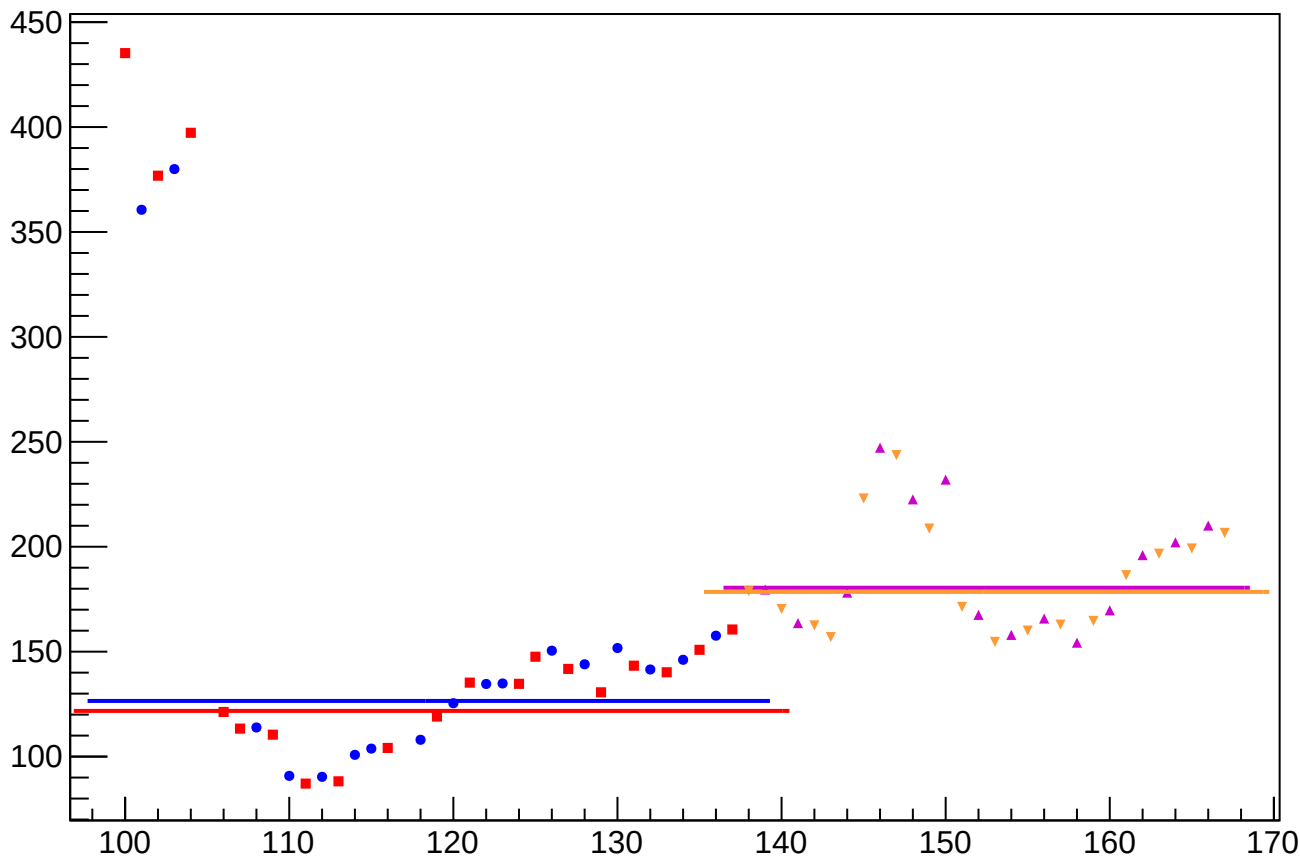
+ sign 173.810 ± 0.030 χ^2/NDF : 1882718.5/32
 All: 172.308 ± 0.021 χ^2/NDF : 3954119.3/65
 - sign 170.787 ± 0.030 χ^2/NDF : 2066211.7/32

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: 142345.940+/-0.026	χ^2/NDF : 168054283
Right Out: 143284.757+/-0.049	χ^2/NDF : 608634820.1/18	- sign 142368.561+/-0.037	χ^2/NDF : 8203652608.8/13
Left In: 141187.102+/-0.056	χ^2/NDF : 6797854966.8/13		

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

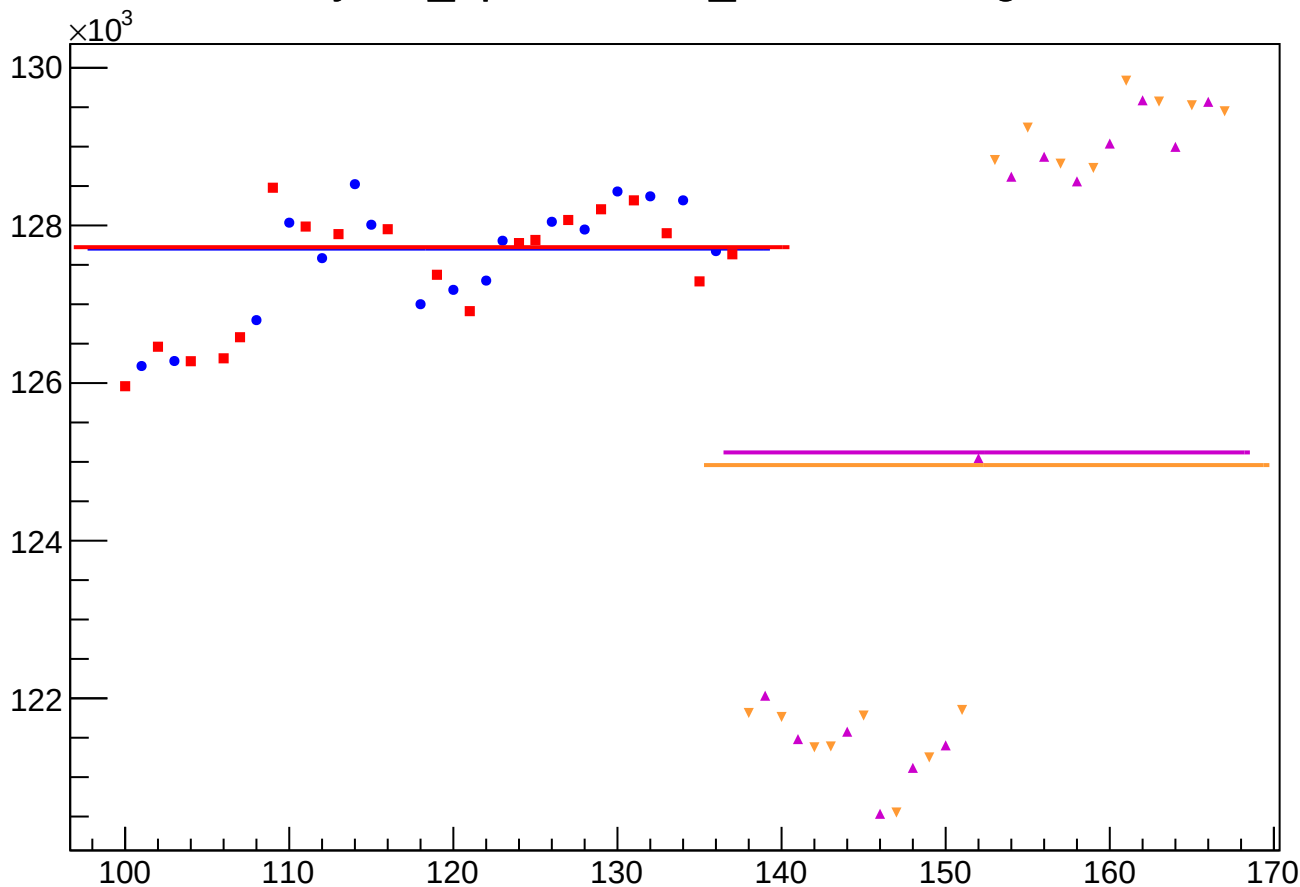
Left In: 180.463 $\pm$ 0.039 χ^2 /NDF:426455.0/13

+ sign 152.564 $\pm$ 0.026 χ^2 /NDF: 2799730.5/32

All: 149.959 $\pm$ 0.019 χ^2 /NDF: 5957524.0/65

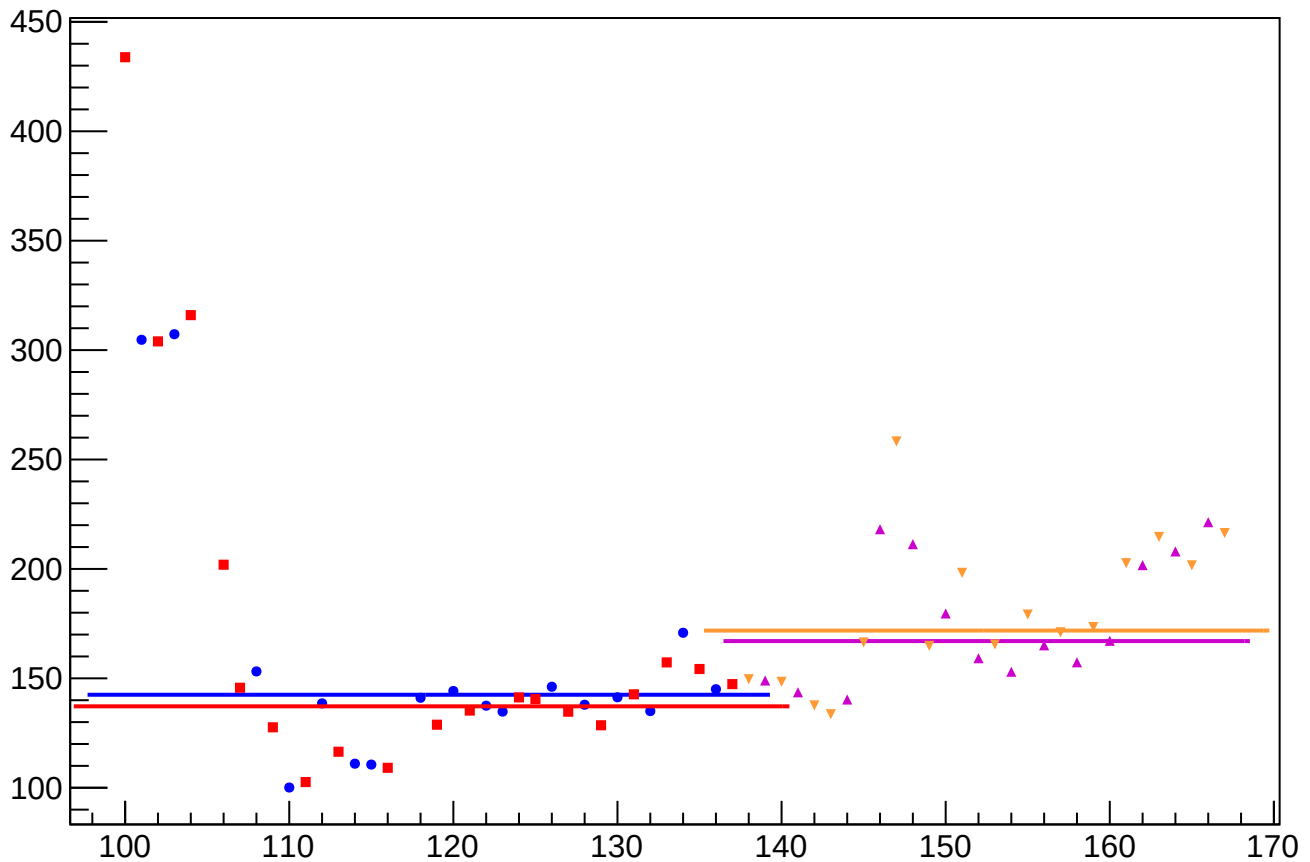
- sign 147.407 $\pm$ 0.026 χ^2 /NDF: 3138407.6/32

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194+/-0.058	χ^2/NDF : 97860521.1/16	+ sign 126162.558+/-0.038	χ^2/NDF : 6874504075.0
Left Out: 124959.387+/-0.051	χ^2/NDF : 5518790182.8/15	All: 126262.764+/-0.027	χ^2/NDF : 129603630
Right Out: 127724.256+/-0.055	χ^2/NDF : 112614317.2/18	- sign 126358.742+/-0.038	χ^2/NDF : 6072545377.6/13
Left In: 125119.991+/-0.052	χ^2/NDF : 4763854571.3/13		

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

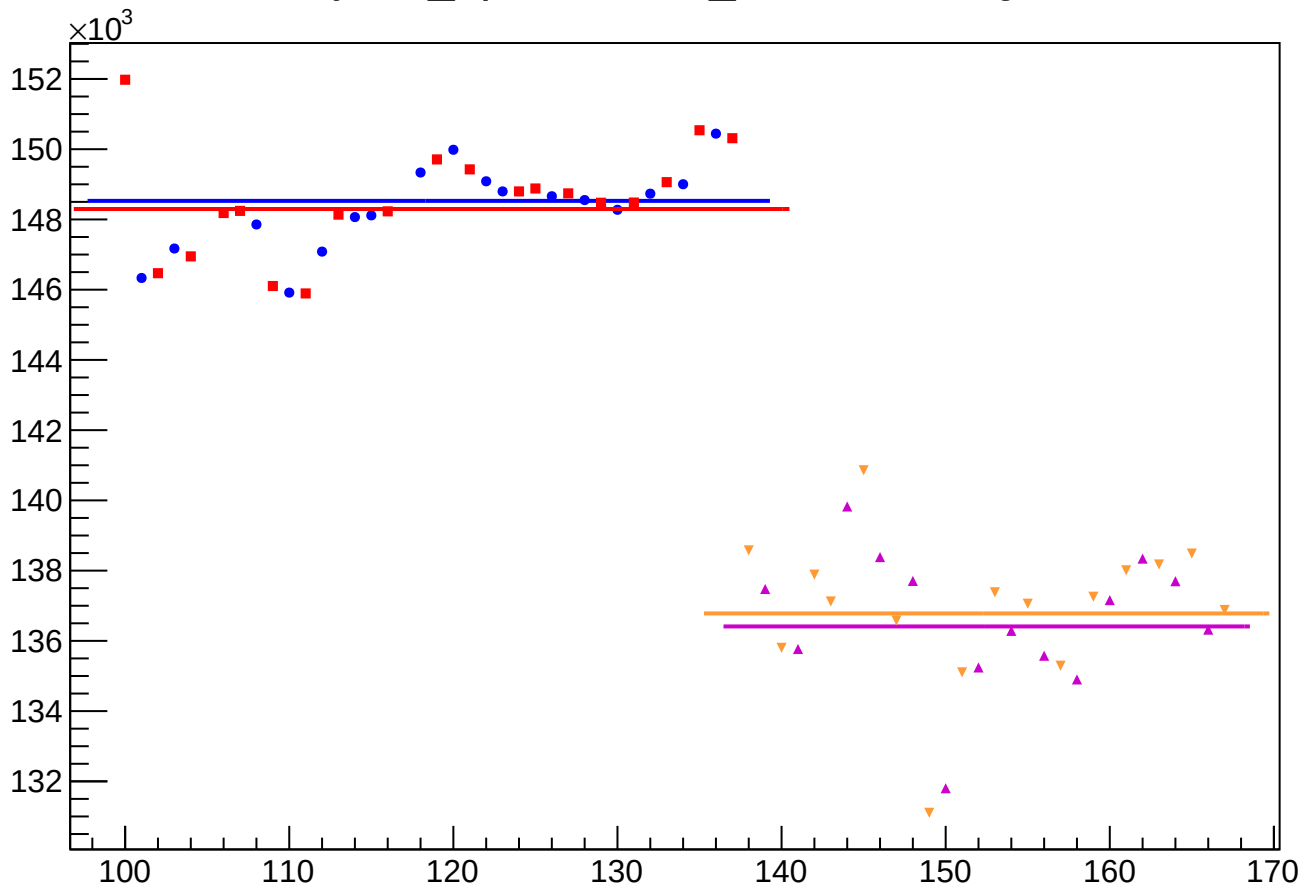
Left In: 167.028 $\pm$ 0.037 χ^2 /NDF: 465706.6/13

+ sign 158.986 $\pm$ 0.027 χ^2 /NDF: 1743649.5/32

All: 155.850 $\pm$ 0.019 χ^2 /NDF: 3506328.9/65

- sign 152.845 $\pm$ 0.027 χ^2 /NDF: 1736590.3/32

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

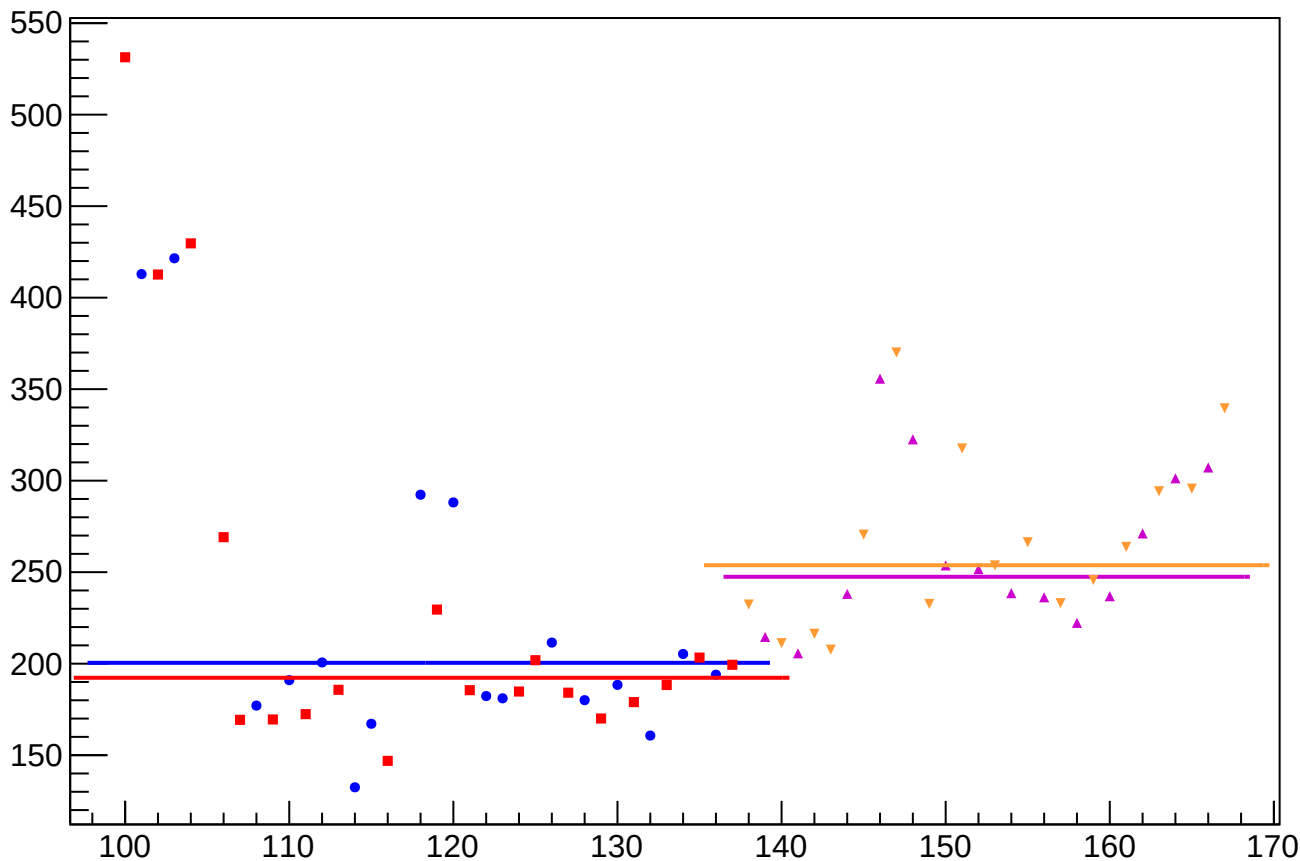
Left In: 136410.590 $\pm$ 0.077 χ^2/NDF : 637340787.8/13

+ sign 142148.750 $\pm$ 0.055 χ^2/NDF : 12167440765.0

All: 142262.378 $\pm$ 0.039 χ^2/NDF : 251719625.0

- sign 142370.464 $\pm$ 0.054 χ^2/NDF : 12996335854.0

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

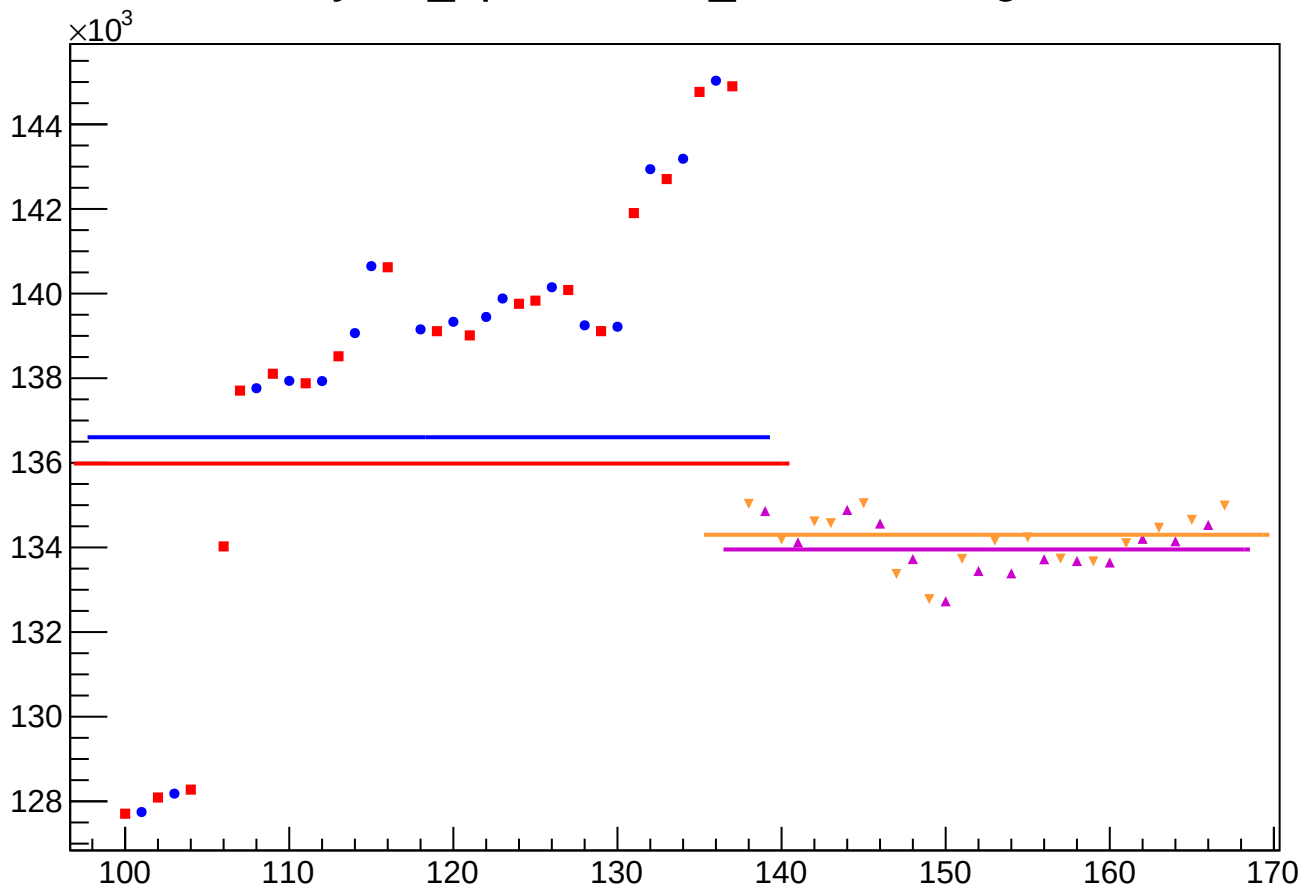
Left In: 247.470 $\pm$ 0.054 χ^2 /NDF: 452534.3/13

+ sign 229.438 $\pm$ 0.039 χ^2 /NDF: 1962758.2/32

All: 224.503 $\pm$ 0.027 χ^2 /NDF: 3810441.9/65

- sign 219.810 $\pm$ 0.038 χ^2 /NDF: 1816813.3/32

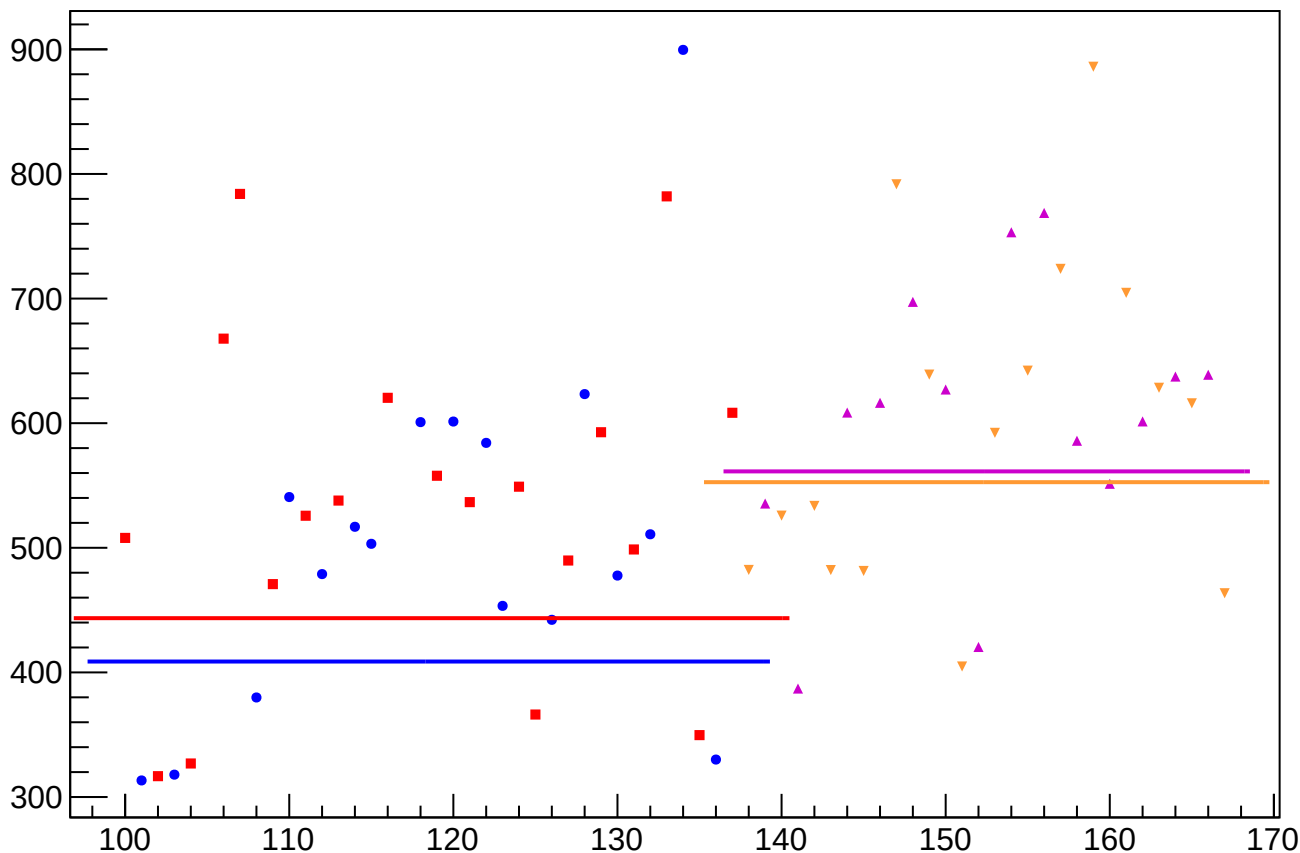
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16
 Left Out: 134299.660 $\pm$ 0.173 χ^2 /NDF: 12815227.7/15
 Right Out: 135982.842 $\pm$ 0.183 χ^2 /NDF: 1082431147.9/18
 Left In: 133952.217 $\pm$ 0.187 χ^2 /NDF: 9622603.0/13

+ sign 135461.527 $\pm$ 0.122 χ^2 /NDF: 1596816452.6
 All: 135242.301 $\pm$ 0.089 χ^2 /NDF: 275626286
 - sign 134989.934 $\pm$ 0.131 χ^2 /NDF: 1152468073.1/

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

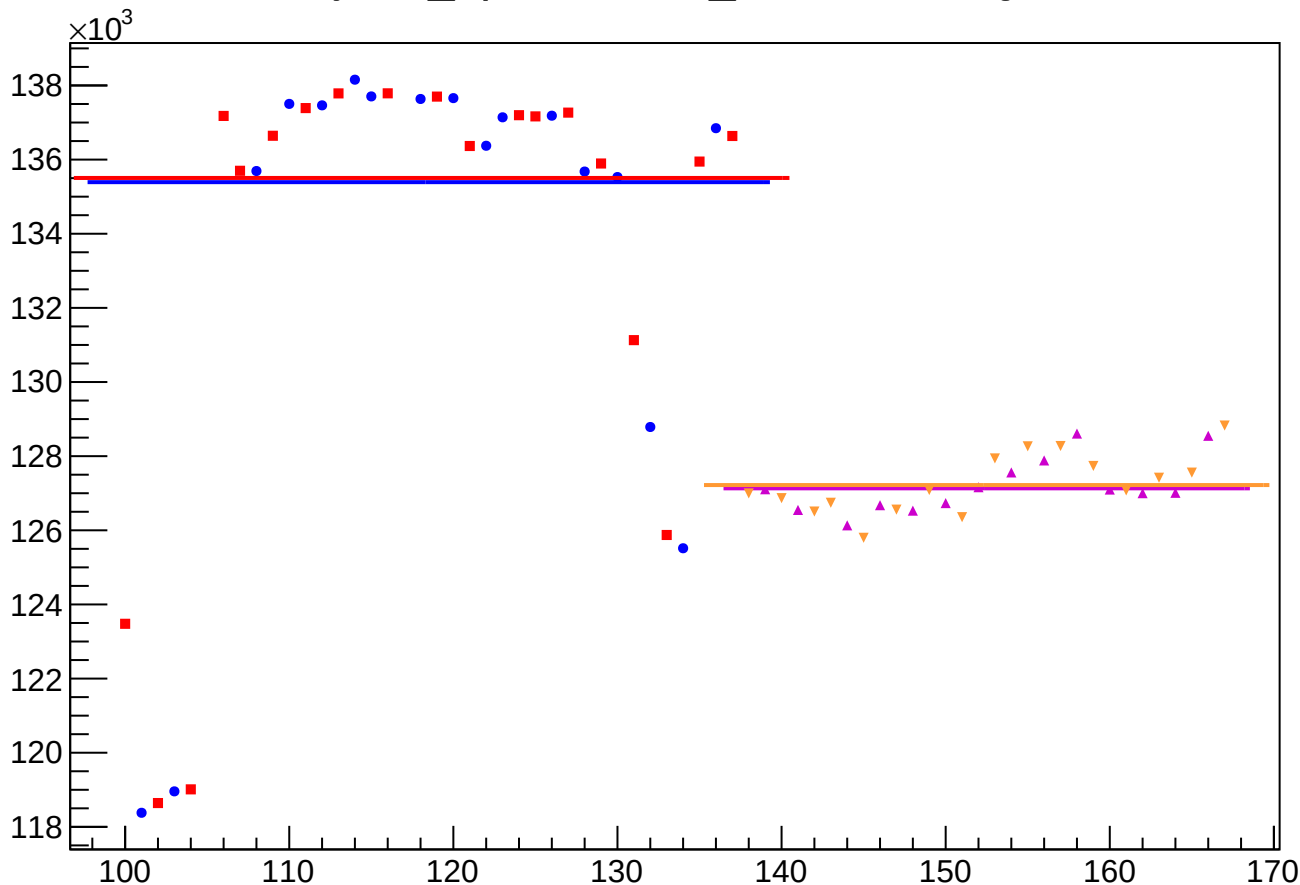
Left In: 561.308 $\pm$ 0.132 χ^2 /NDF: 737494.8/13

+ sign 480.108 $\pm$ 0.086 χ^2 /NDF: 2401720.0/32

All: 489.874 $\pm$ 0.063 χ^2 /NDF: 4490938.4/65

- sign 501.115 $\pm$ 0.092 χ^2 /NDF: 2061526.3/32

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16

Left Out: 127220.467 $\pm$ 0.055 χ^2 /NDF: 197491931.4/15

Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18

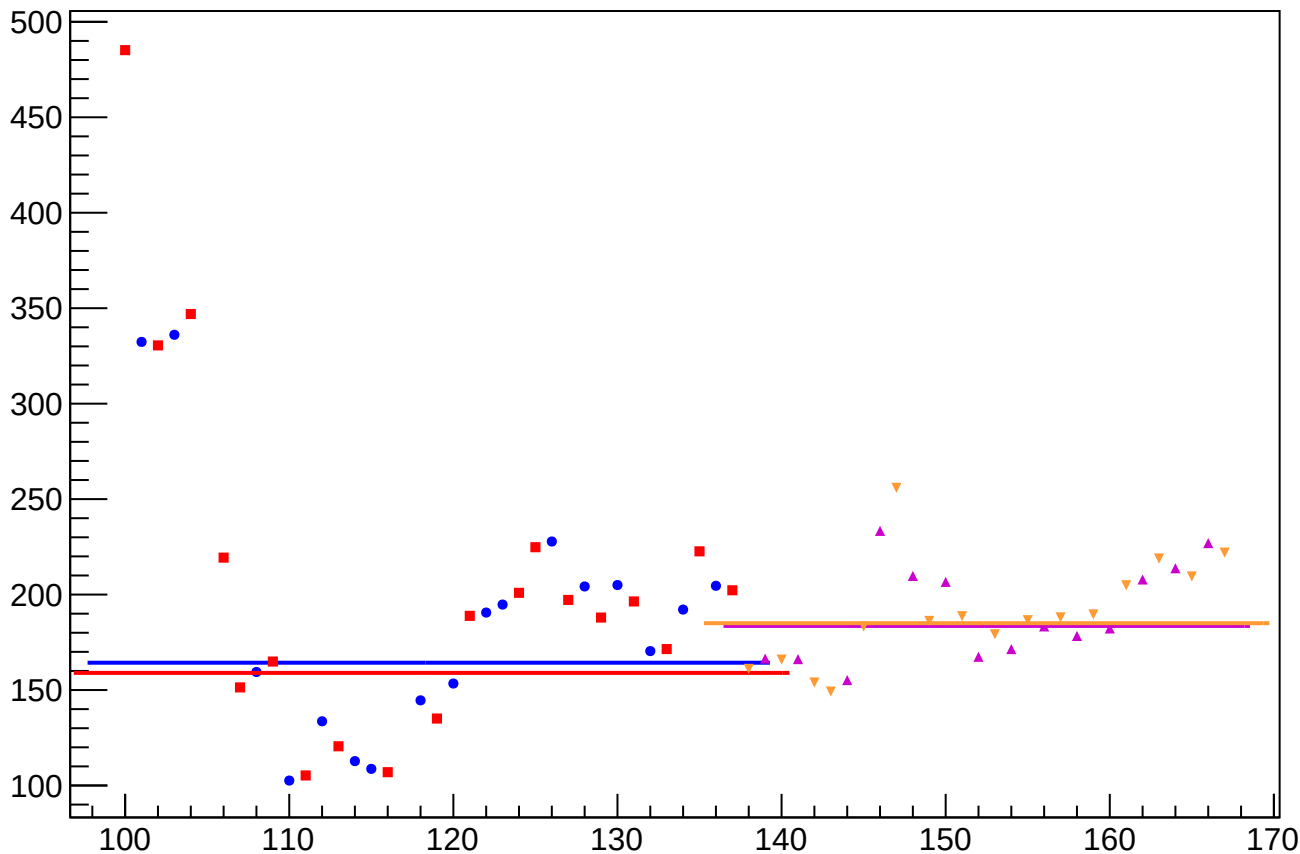
Left In: 127131.863 $\pm$ 0.057 χ^2 /NDF: 153861823.4/13

+ sign 130413.293 $\pm$ 0.043 χ^2 /NDF: 13506488110.0

All: 130601.081 $\pm$ 0.030 χ^2 /NDF: 279553745.0

- sign 130787.786 $\pm$ 0.043 χ^2 /NDF: 14410264899.1

yield_bpm0l04WS_rms vs Slug



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 185.011+/-0.039 χ^2/NDF : 392601.5/15

Right Out: 158.977+/-0.046 χ^2/NDF : 1384059.2/18

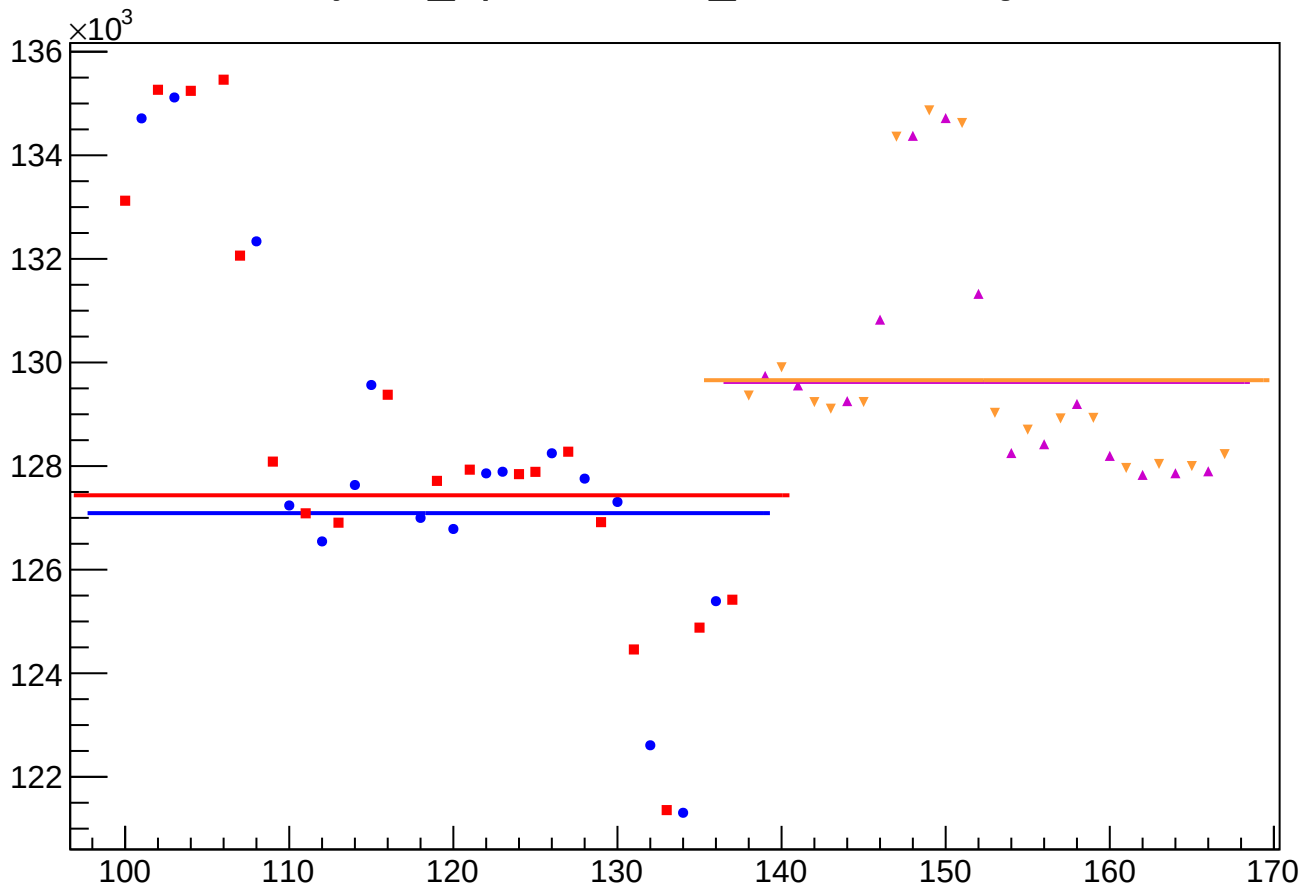
Left In: 183.582+/-0.040 χ^2/NDF : 314633.8/13

+ sign 176.923+/-0.030 χ^2/NDF : 1735132.1/32

All: 174.875+/-0.021 χ^2/NDF : 3607518.8/65

- sign 172.839+/-0.030 χ^2/NDF : 1863199.7/32

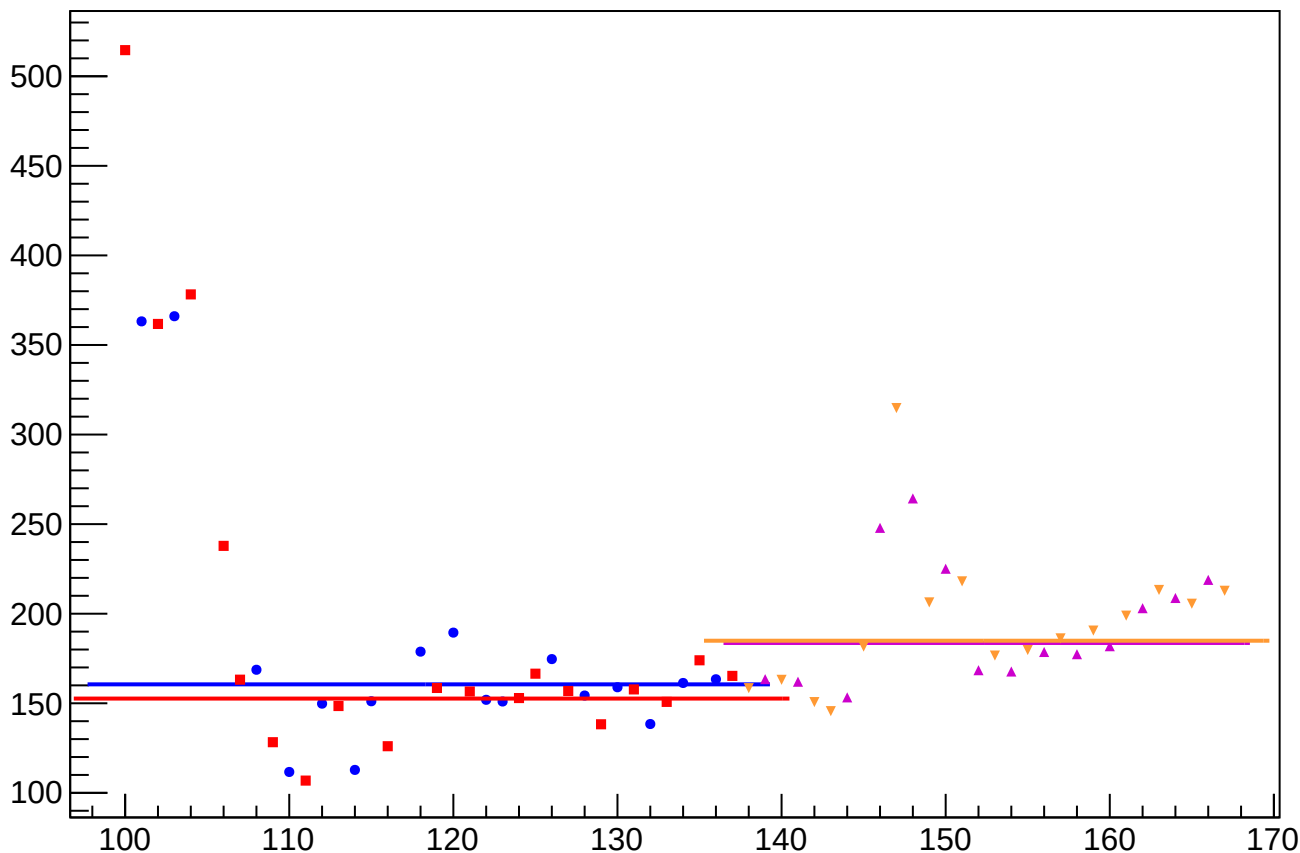
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16
 Left Out: 129658.037 $\pm$ 0.055 χ^2 /NDF: 1320287937.2/15
 Right Out: 127436.101 $\pm$ 0.062 χ^2 /NDF: 2079075713.9/18
 Left In: 129624.482 $\pm$ 0.057 χ^2 /NDF: 1069729839.5/13

+ sign 128611.389 $\pm$ 0.042 χ^2 /NDF: 3924829050.8
 All: 128612.521 $\pm$ 0.030 χ^2 /NDF: 775395190
 - sign 128613.626 $\pm$ 0.042 χ^2 /NDF: 3829121444.8/

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

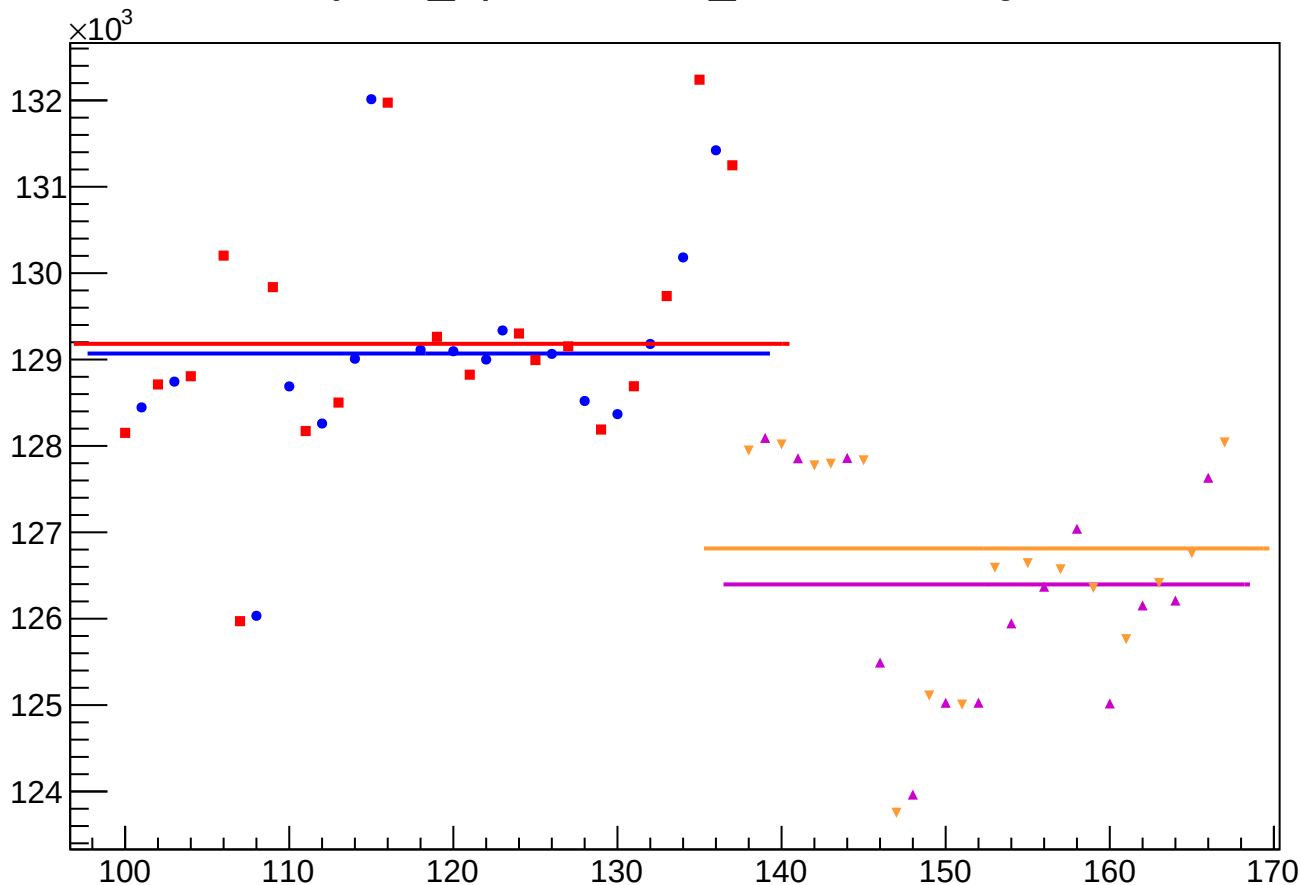
Left In: 183.662 ± 0.040 χ^2/NDF : 514687.1/13

+ sign 174.988 ± 0.030 χ^2/NDF : 1700988.2/32

All: 172.123 ± 0.021 χ^2/NDF : 3593894.3/65

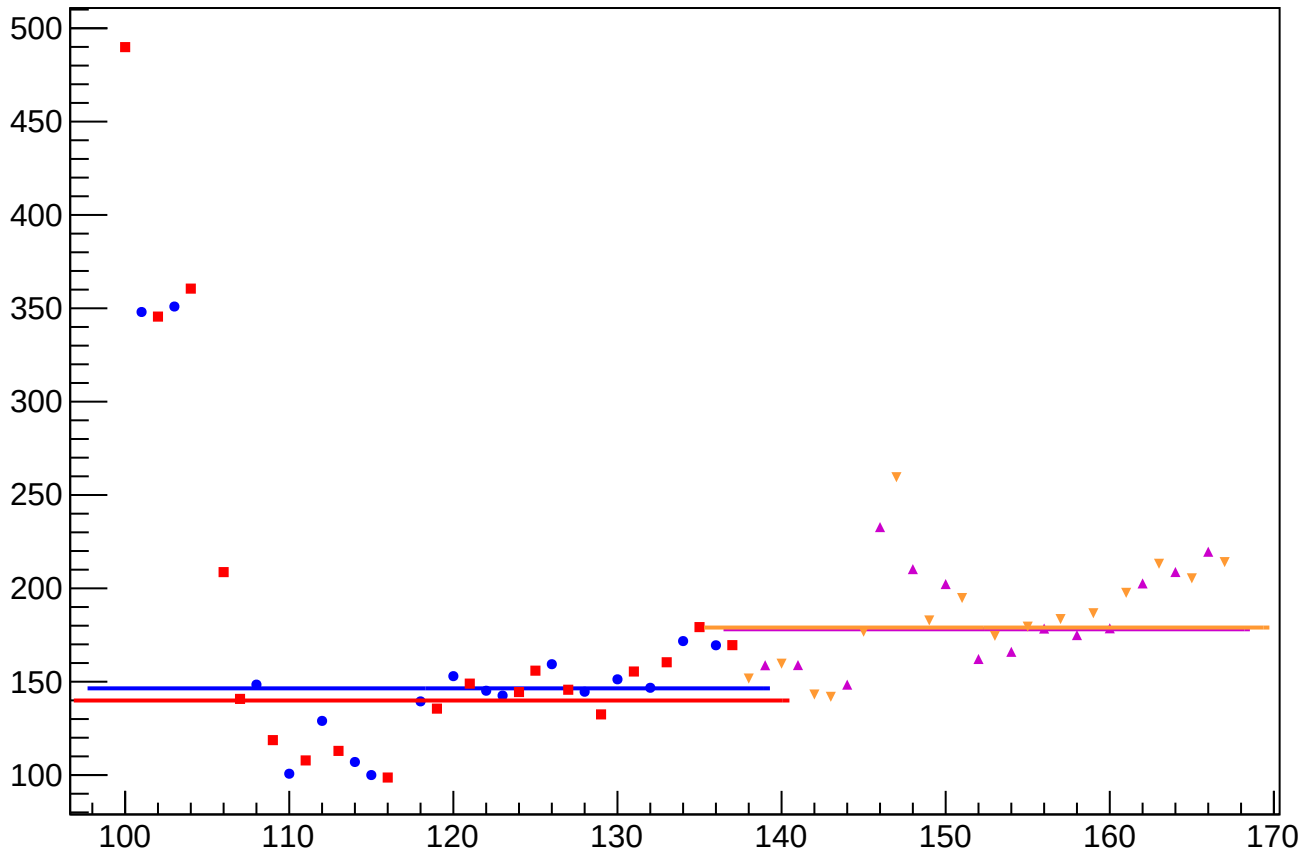
- sign 169.327 ± 0.030 χ^2/NDF : 1874816.3/32

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060	$\chi^2/\text{NDF}: 476692316.5/16$	+ sign 127799.323 ± 0.040	$\chi^2/\text{NDF}: 1729609623.7$
Left Out: 126813.243 ± 0.053	$\chi^2/\text{NDF}: 461178814.3/15$	All: 127781.002 ± 0.028	$\chi^2/\text{NDF}: 41371798$
Right Out: 129181.887 ± 0.056	$\chi^2/\text{NDF}: 625597399.6/18$	- sign 127763.127 ± 0.039	$\chi^2/\text{NDF}: 2407151107.0$
Left In: 126396.644 ± 0.055	$\chi^2/\text{NDF}: 525584296.6/13$		

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 $\chi^2/\text{NDF}: 1064791.0/16$

Left Out: 179.009 ± 0.037 $\chi^2/\text{NDF}: 488156.7/15$

+ sign 164.775 ± 0.028 $\chi^2/\text{NDF}: 1882896.8/32$

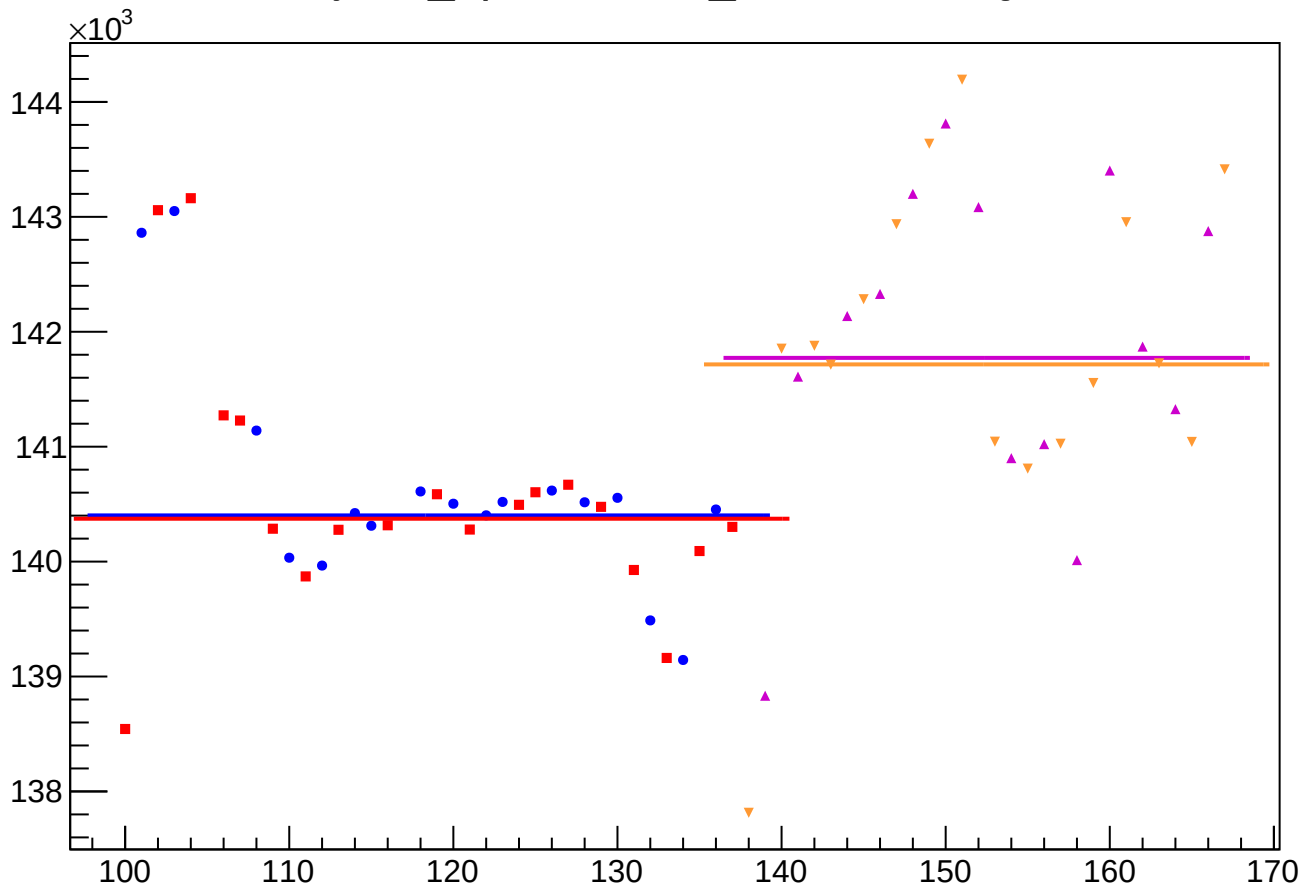
Right Out: 139.929 ± 0.040 $\chi^2/\text{NDF}: 1203570.9/18$

All: 162.034 ± 0.020 $\chi^2/\text{NDF}: 3947192.9/65$

- sign 159.361 ± 0.028 $\chi^2/\text{NDF}: 2045540.1/32$

Left In: 178.076 ± 0.039 $\chi^2/\text{NDF}: 370764.8/13$

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 141716.094 $\pm$ 0.061 χ^2 /NDF: 627050344.1/15

Right Out: 140373.163 $\pm$ 0.060 χ^2 /NDF: 99854533.3/18

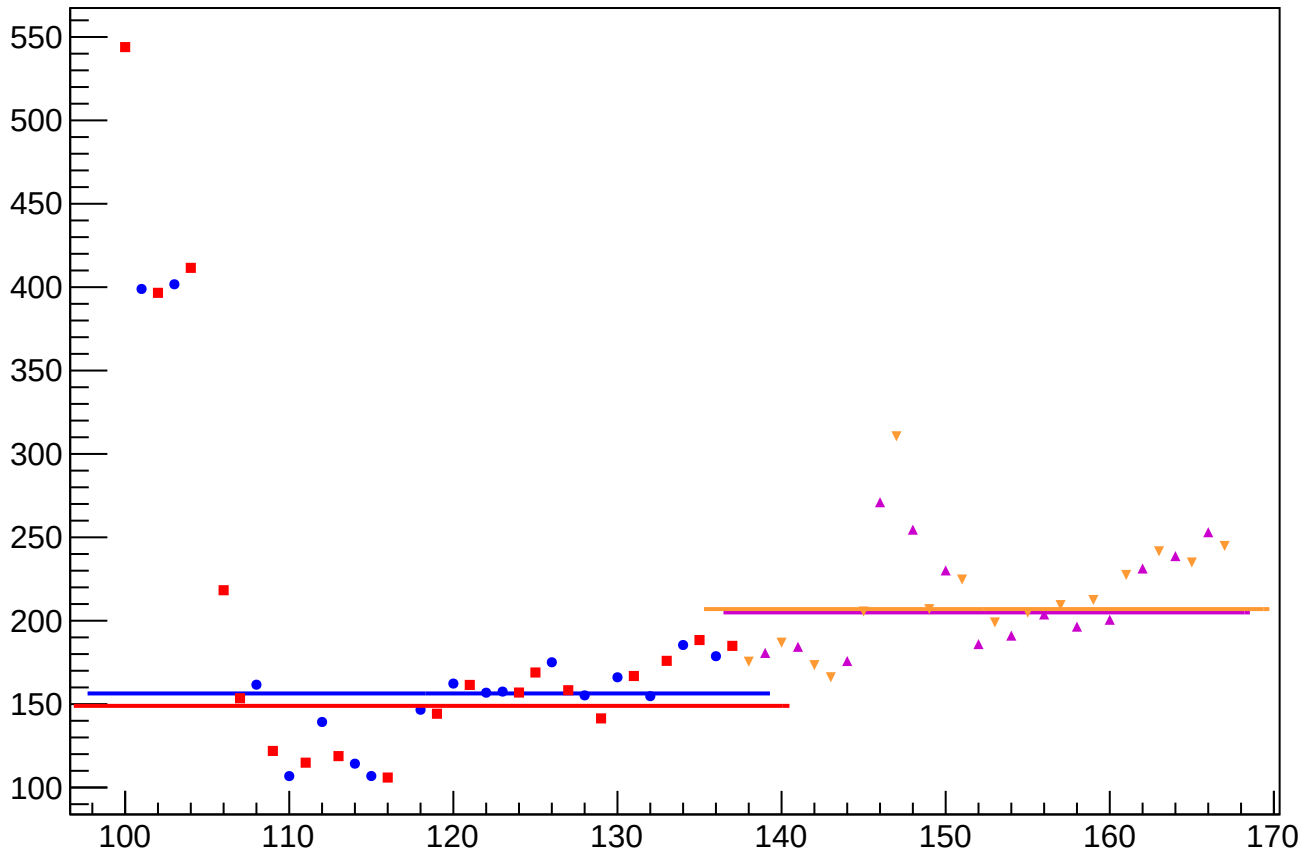
Left In: 141772.770 $\pm$ 0.063 χ^2 /NDF: 475126018.6/13

+ sign 141090.178 $\pm$ 0.044 χ^2 /NDF: 933520827.5/3

All: 141060.605 $\pm$ 0.031 χ^2 /NDF: 176686332

- sign 141032.185 $\pm$ 0.044 χ^2 /NDF: 832472939.9/3

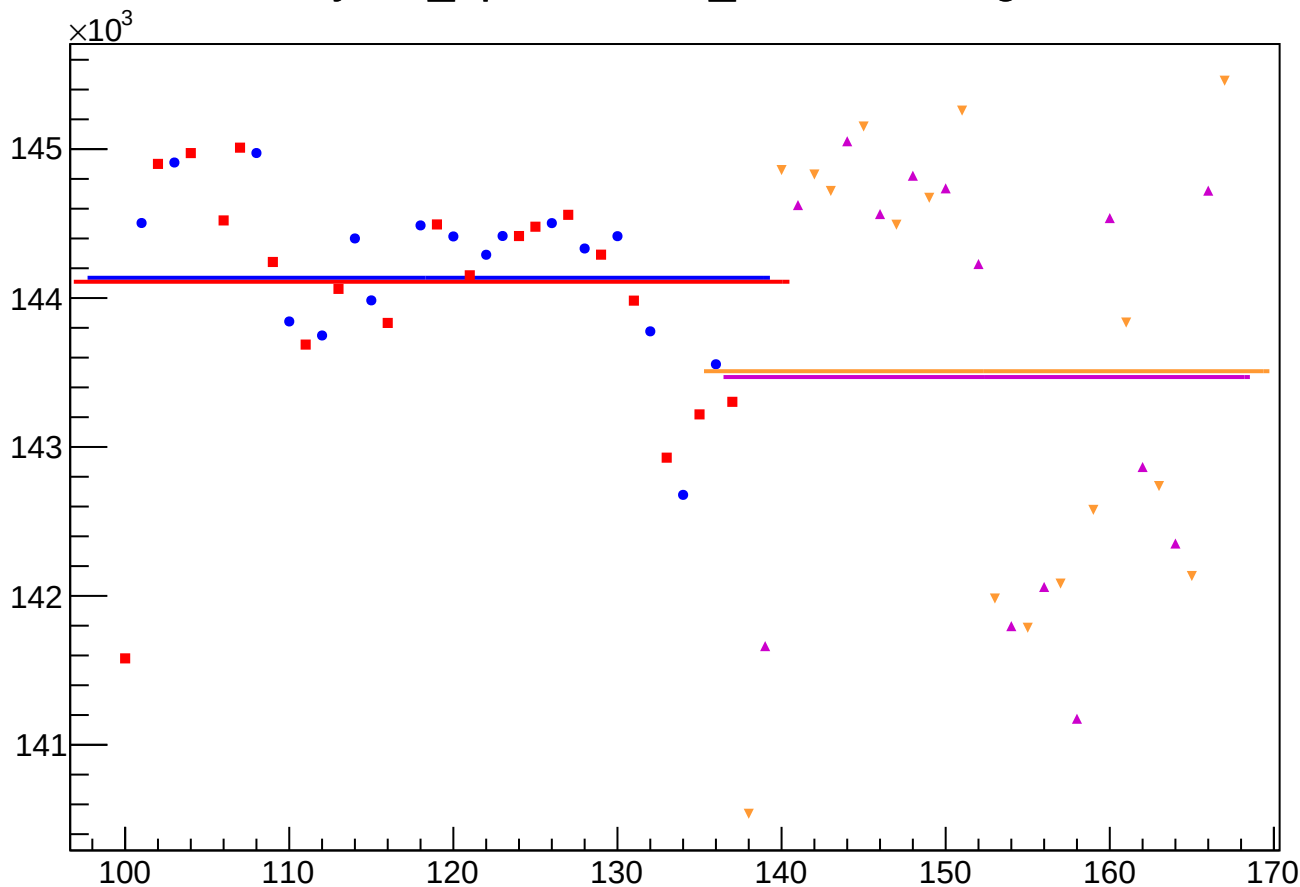
yield_bpm0l07WS_rms vs Slug



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: 204.972 ± 0.045 χ^2/NDF : 375322.3/13

+ sign 182.886 ± 0.031 χ^2/NDF : 2257229.0/32
 All: 179.032 ± 0.022 χ^2/NDF : 4794849.2/65
 - sign 175.328 ± 0.031 χ^2/NDF : 2508086.6/32

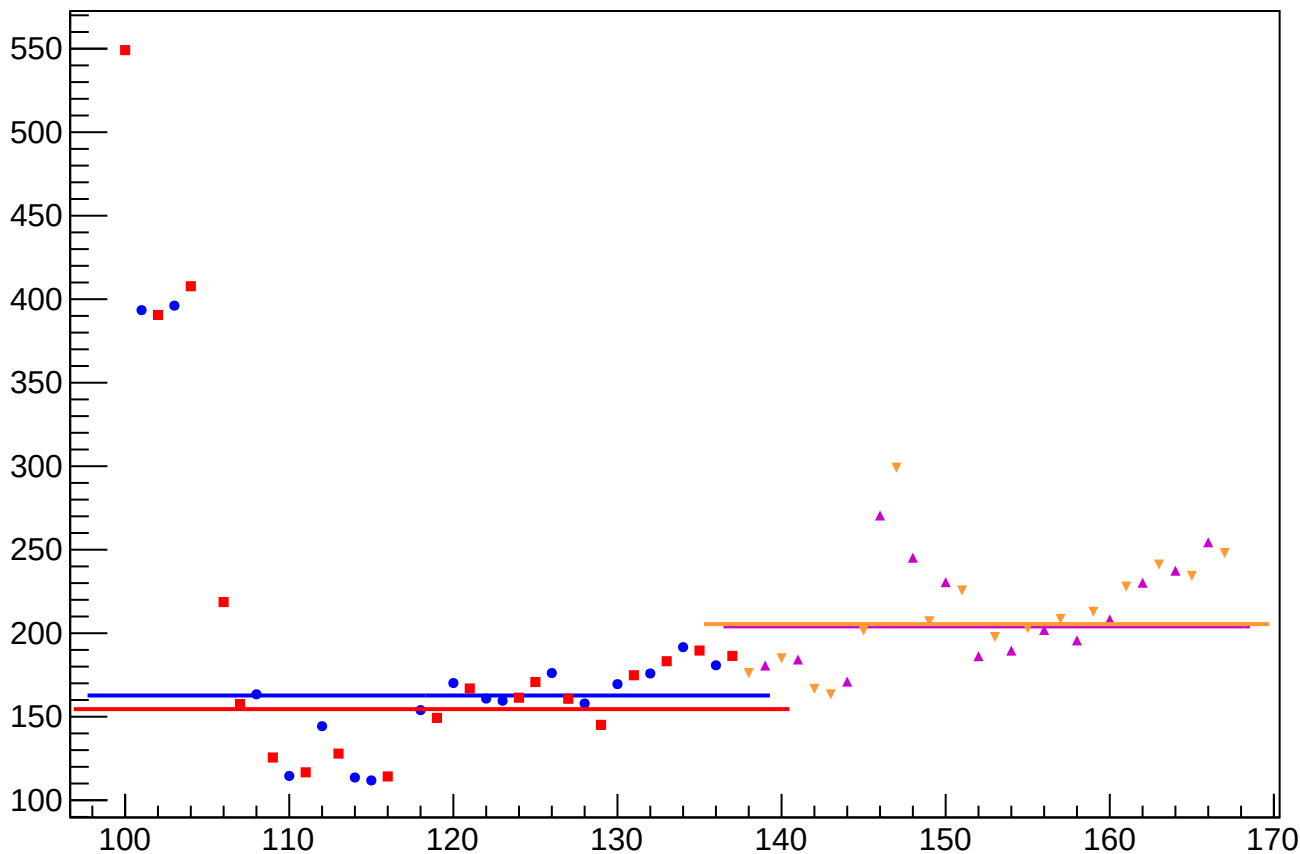
yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 ± 0.067 $\chi^2/\text{NDF}: 47069480.3/16$
 Left Out: 143508.706 ± 0.061 $\chi^2/\text{NDF}: 660955729.7/15$
 Right Out: 144109.419 ± 0.062 $\chi^2/\text{NDF}: 65258627.2/18$
 Left In: 143469.517 ± 0.063 $\chi^2/\text{NDF}: 512416008.7/13$

+ sign 143793.588 ± 0.045 $\chi^2/\text{NDF}: 756230709.0/3$
 All: 143794.961 ± 0.032 $\chi^2/\text{NDF}: 13862559$
 - sign 143796.286 ± 0.044 $\chi^2/\text{NDF}: 630023444.8/3$

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 205.453 $\pm$ 0.043 χ^2 /NDF: 469590.6/15

Right Out: 154.547 $\pm$ 0.044 χ^2 /NDF: 1217495.9/18

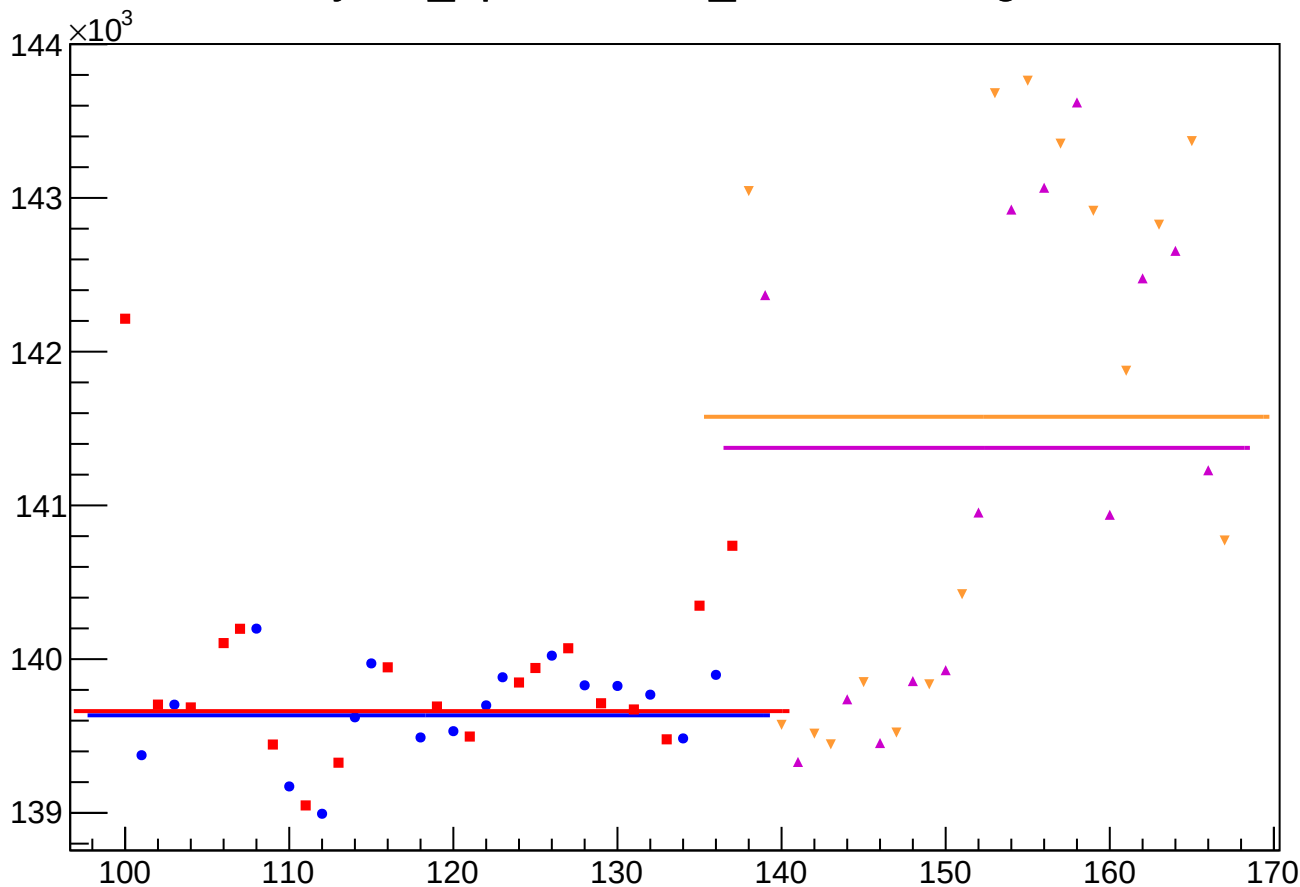
Left In: 204.086 $\pm$ 0.045 χ^2 /NDF: 378319.8/13

+ sign 186.047 $\pm$ 0.032 χ^2 /NDF: 1983447.0/32

All: 182.354 $\pm$ 0.022 χ^2 /NDF: 4233235.8/65

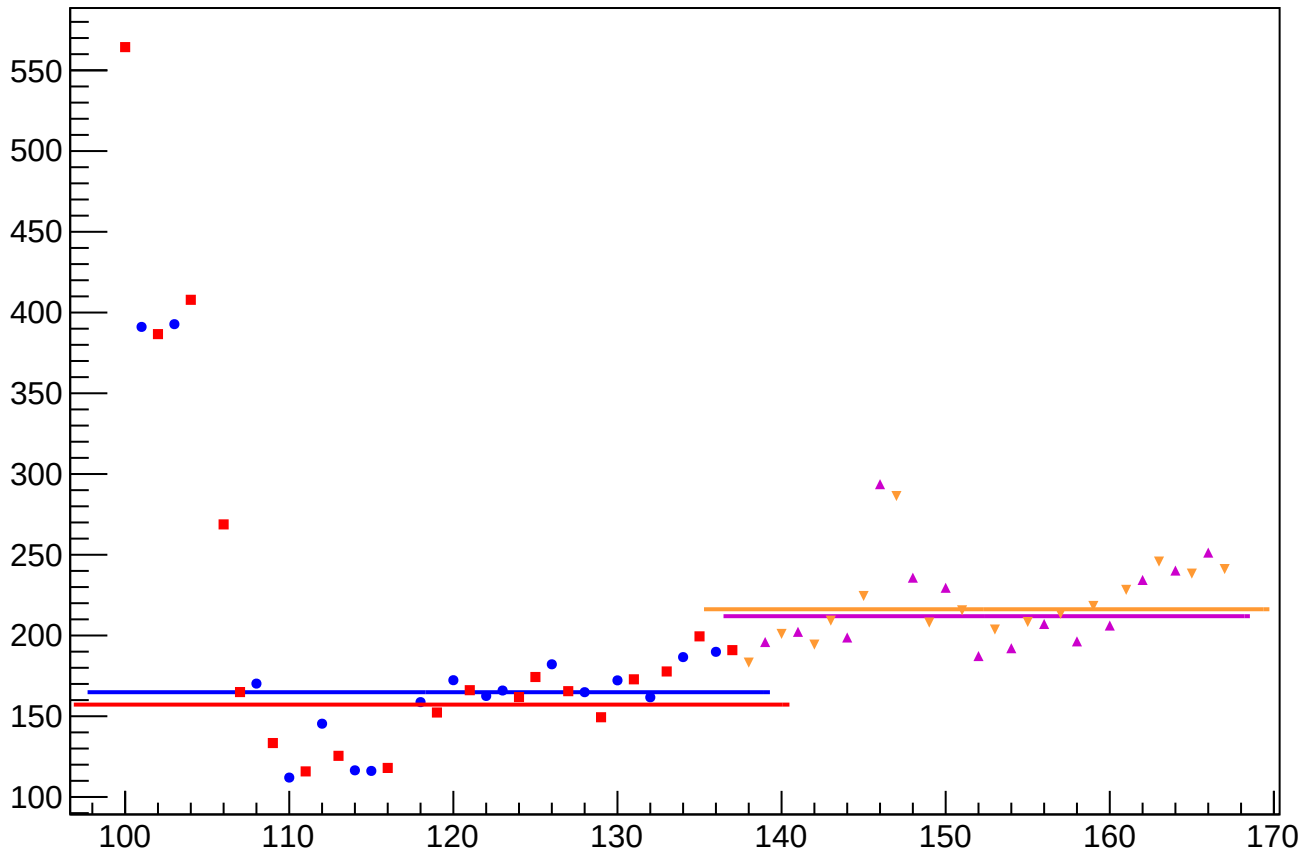
- sign 178.789 $\pm$ 0.031 χ^2 /NDF: 2223306.6/32

yield_bpm0l09WS_mean vs Slug



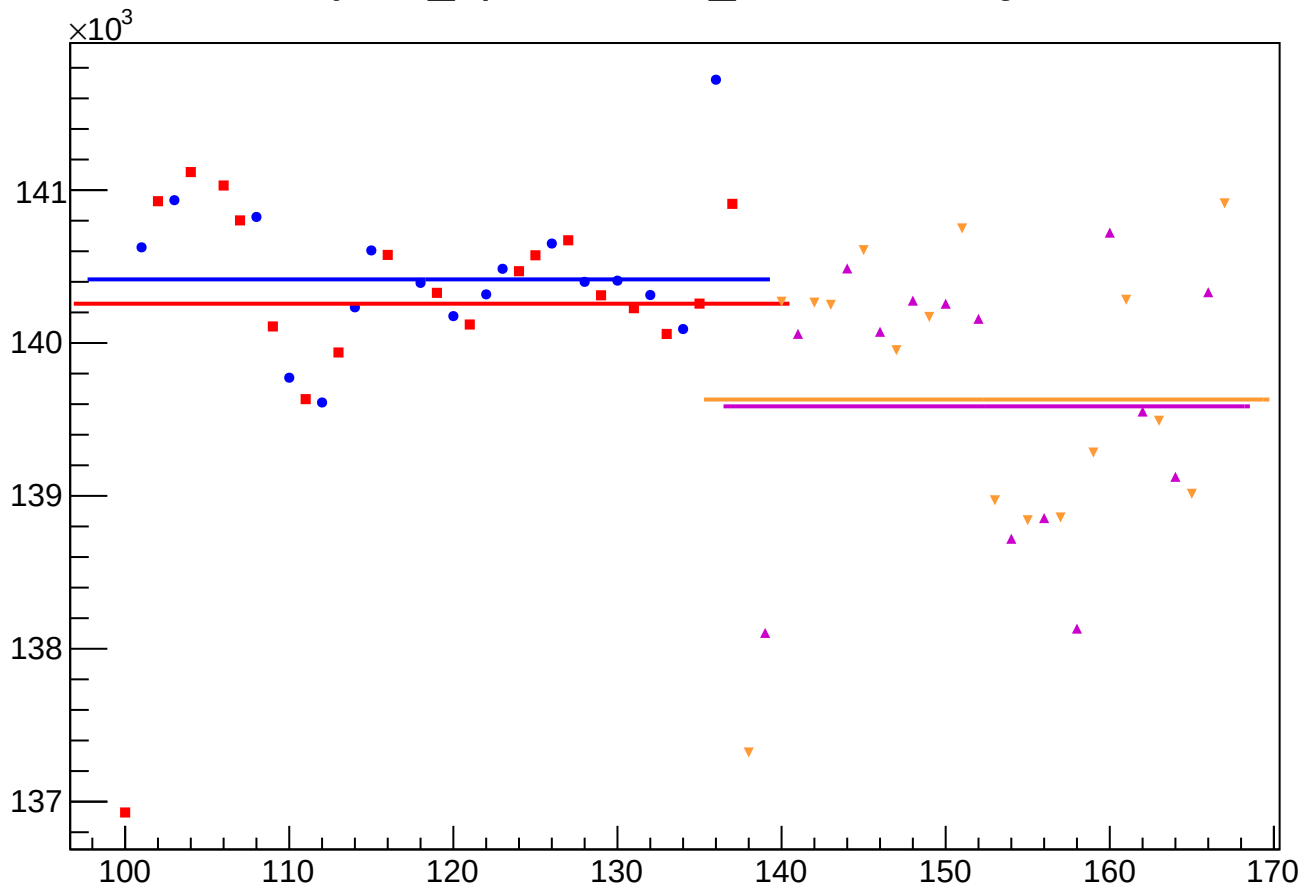
Right In: 139634.700+/-0.068	χ^2/NDF : 24844912.0/16	+ sign 140666.043+/-0.046	χ^2/NDF : 1170100761.0
Left Out: 141576.505+/-0.064	χ^2/NDF : 709288764.5/15	All: 140573.731+/-0.032	χ^2/NDF : 208044132
Right Out: 139661.970+/-0.063	χ^2/NDF : 38372985.0/18	- sign 140485.315+/-0.045	χ^2/NDF : 902594680.2/3
Left In: 141374.285+/-0.066	χ^2/NDF : 509422241.8/13		

yield_bpm0l09WS_rms vs Slug



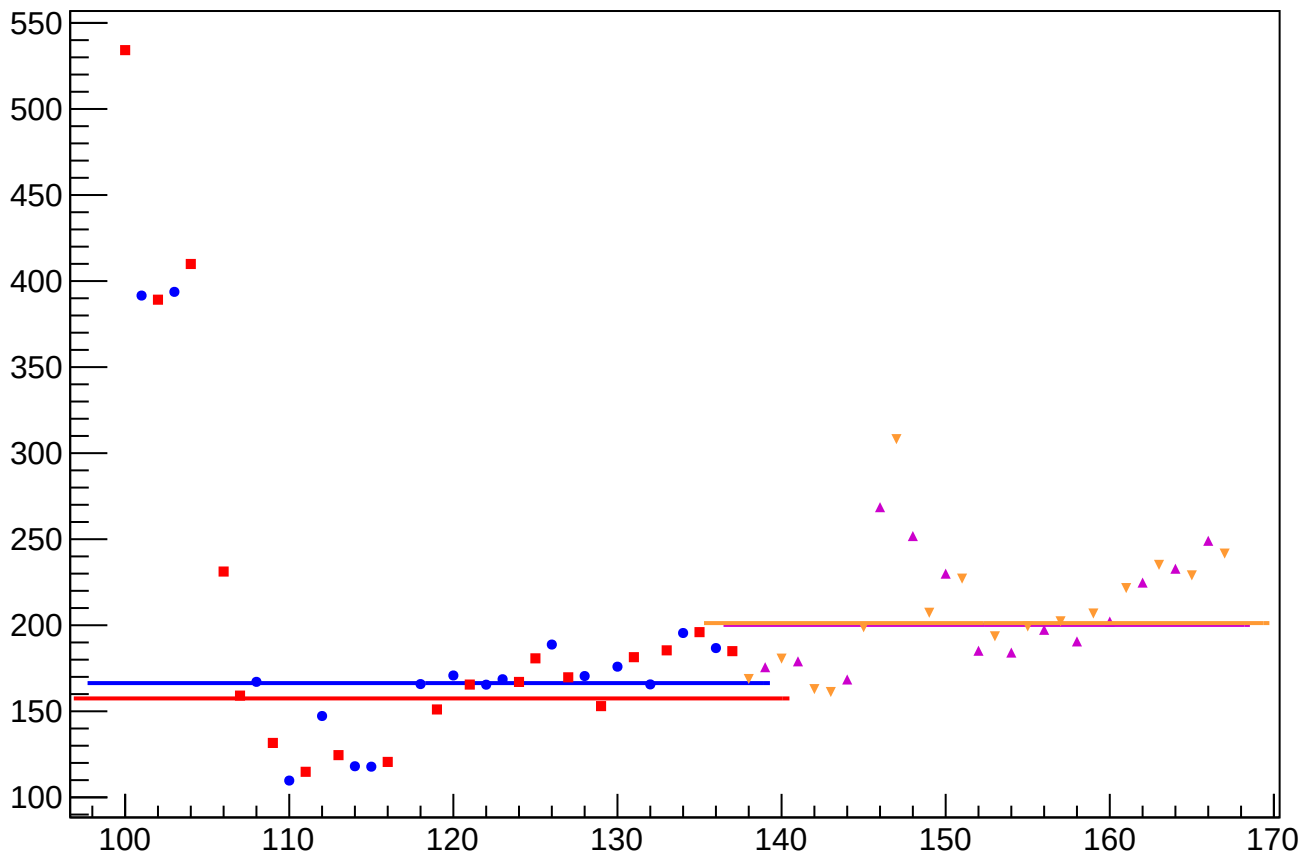
Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16 + sign 192.169 $\pm$ 0.033 χ^2 /NDF: 1902256.0/32
 Left Out: 216.256 $\pm$ 0.045 χ^2 /NDF: 225717.5/15 All: 187.758 $\pm$ 0.023 χ^2 /NDF: 4189244.3/65
 Right Out: 157.207 $\pm$ 0.045 χ^2 /NDF: 1245030.9/18 - sign 183.533 $\pm$ 0.032 χ^2 /NDF: 2251614.7/32
 Left In: 211.957 $\pm$ 0.046 χ^2 /NDF: 281122.0/13

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: 139941.983 $\pm$ 0.032	χ^2 /NDF: 719960723
Right Out: 140256.992 $\pm$ 0.063	χ^2 /NDF: 38063371.4/18	- sign 139915.109 $\pm$ 0.044	χ^2 /NDF: 305329285.9/3
Left In: 139585.600 $\pm$ 0.062	χ^2 /NDF: 209695993.7/13		

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 201.255 ± 0.042 χ^2/NDF : 515538.1/15

Right Out: 157.475 ± 0.045 χ^2/NDF : 1229886.8/18

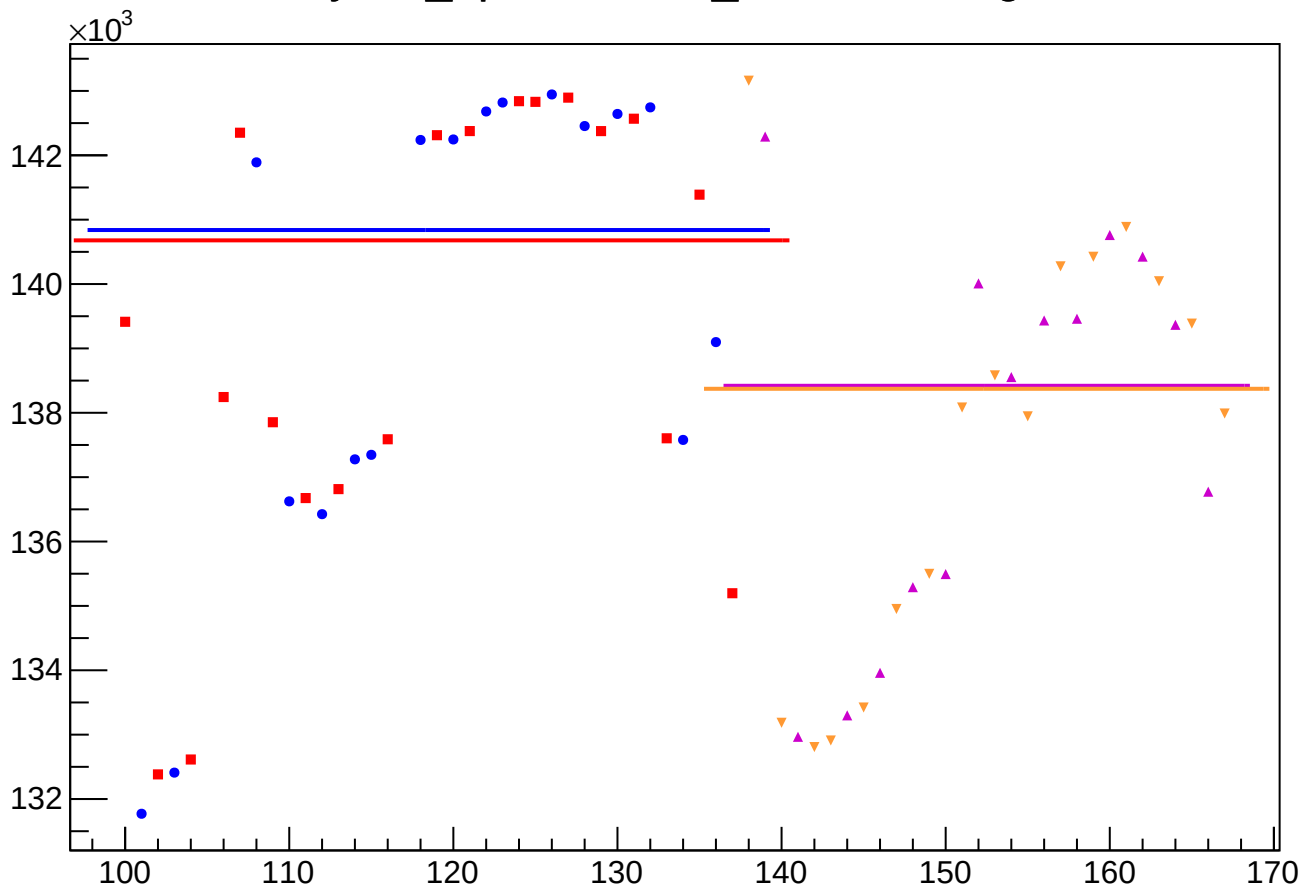
Left In: 200.197 ± 0.044 χ^2/NDF : 415770.1/13

+ sign 186.192 ± 0.032 χ^2/NDF : 1891734.1/32

All: 182.655 ± 0.022 χ^2/NDF : 4027963.8/65

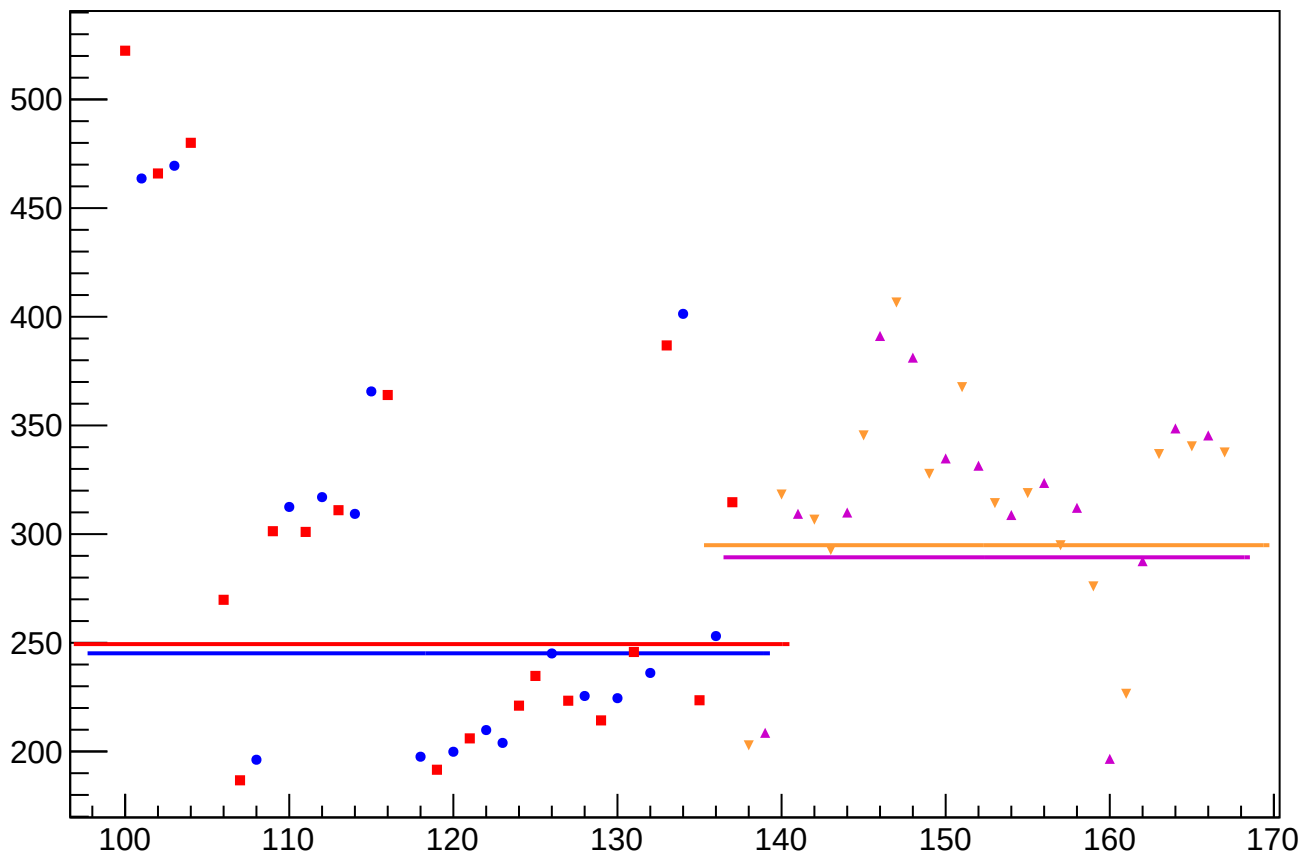
- sign 179.230 ± 0.031 χ^2/NDF : 2111859.7/32

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: 139455.489 $\pm$ 0.047	χ^2 /NDF: 479530082
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	- sign 139455.992 $\pm$ 0.067	χ^2 /NDF: 2235267933.5/13
Left In: 138419.352 $\pm$ 0.091	χ^2 /NDF: 1113348884.2/13		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 $\pm$ 0.071 χ^2 /NDF: 869491.6/16

Left Out: 294.905 $\pm$ 0.063 χ^2 /NDF: 757505.8/15

Right Out: 249.397 $\pm$ 0.070 χ^2 /NDF: 1009731.2/18

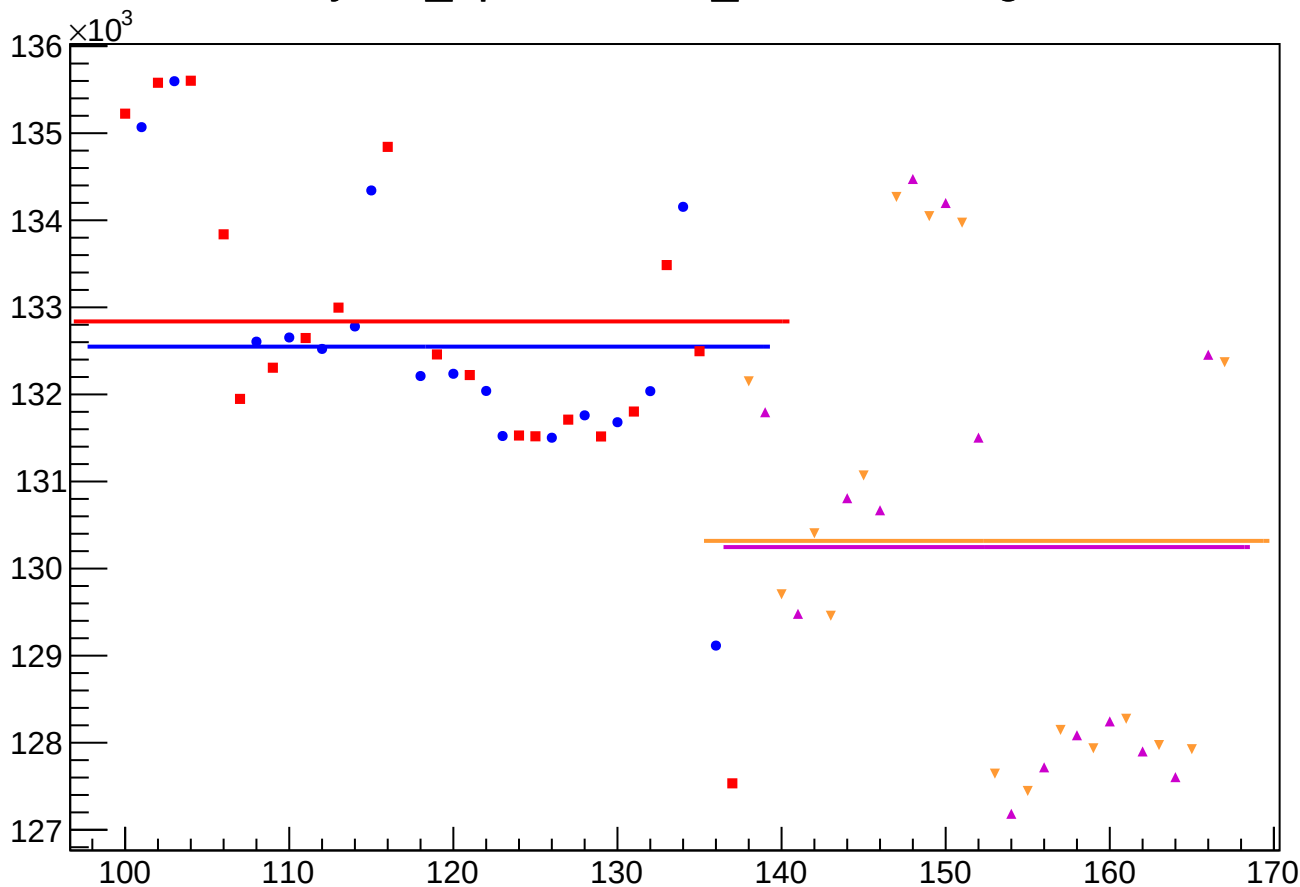
Left In: 289.335 $\pm$ 0.065 χ^2 /NDF: 902111.9/13

+ sign 273.077 $\pm$ 0.047 χ^2 /NDF: 1904690.3/32

All: 272.056 $\pm$ 0.033 χ^2 /NDF: 3993274.8/65

- sign 271.009 $\pm$ 0.047 χ^2 /NDF: 2087623.5/32

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

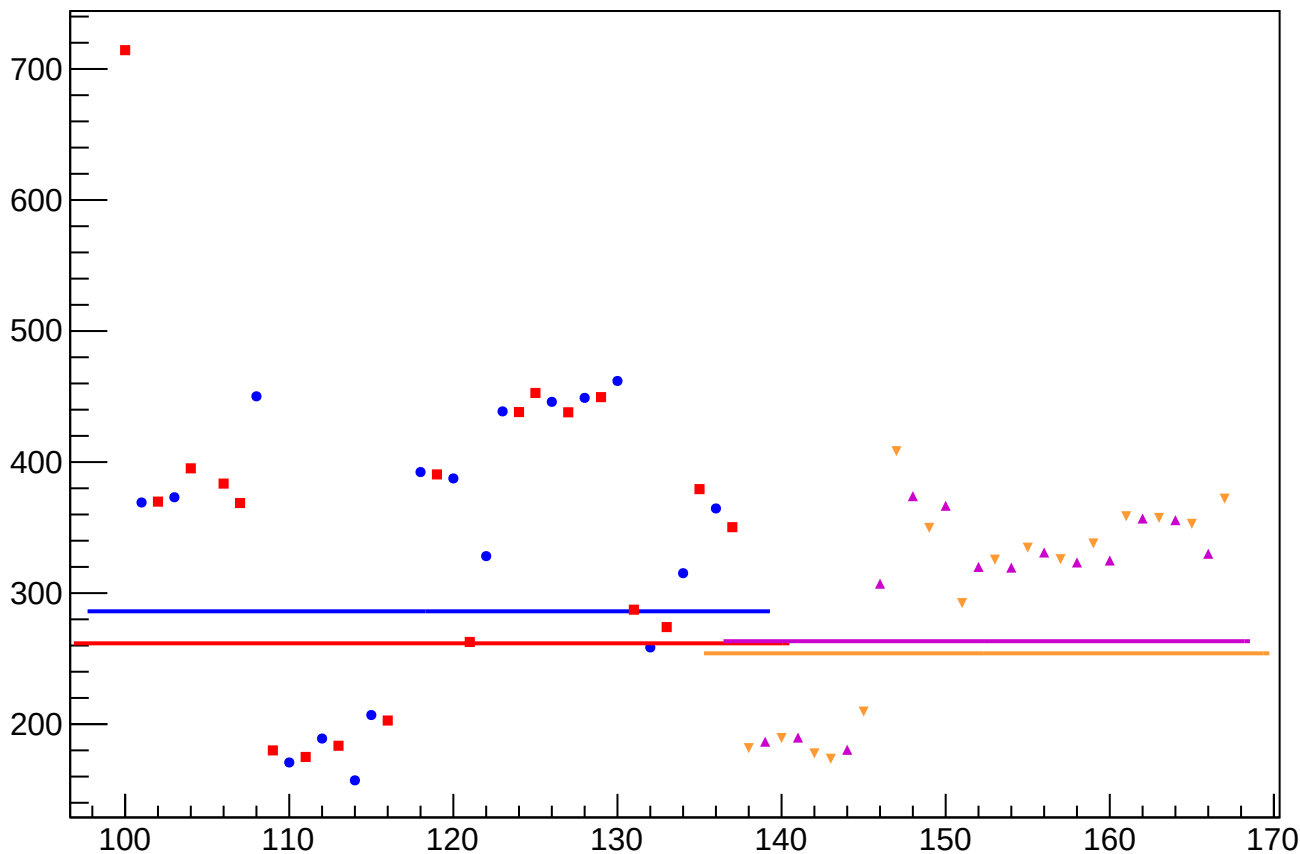
Left In: 130246.846 $\pm$ 0.084 χ^2 /NDF: 559658399.4/13

+ sign 130989.309 $\pm$ 0.065 χ^2 /NDF: 1083140299.5

All: 131112.008 $\pm$ 0.047 χ^2 /NDF: 216117107

- sign 131237.493 $\pm$ 0.066 χ^2 /NDF: 1070928359.4

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

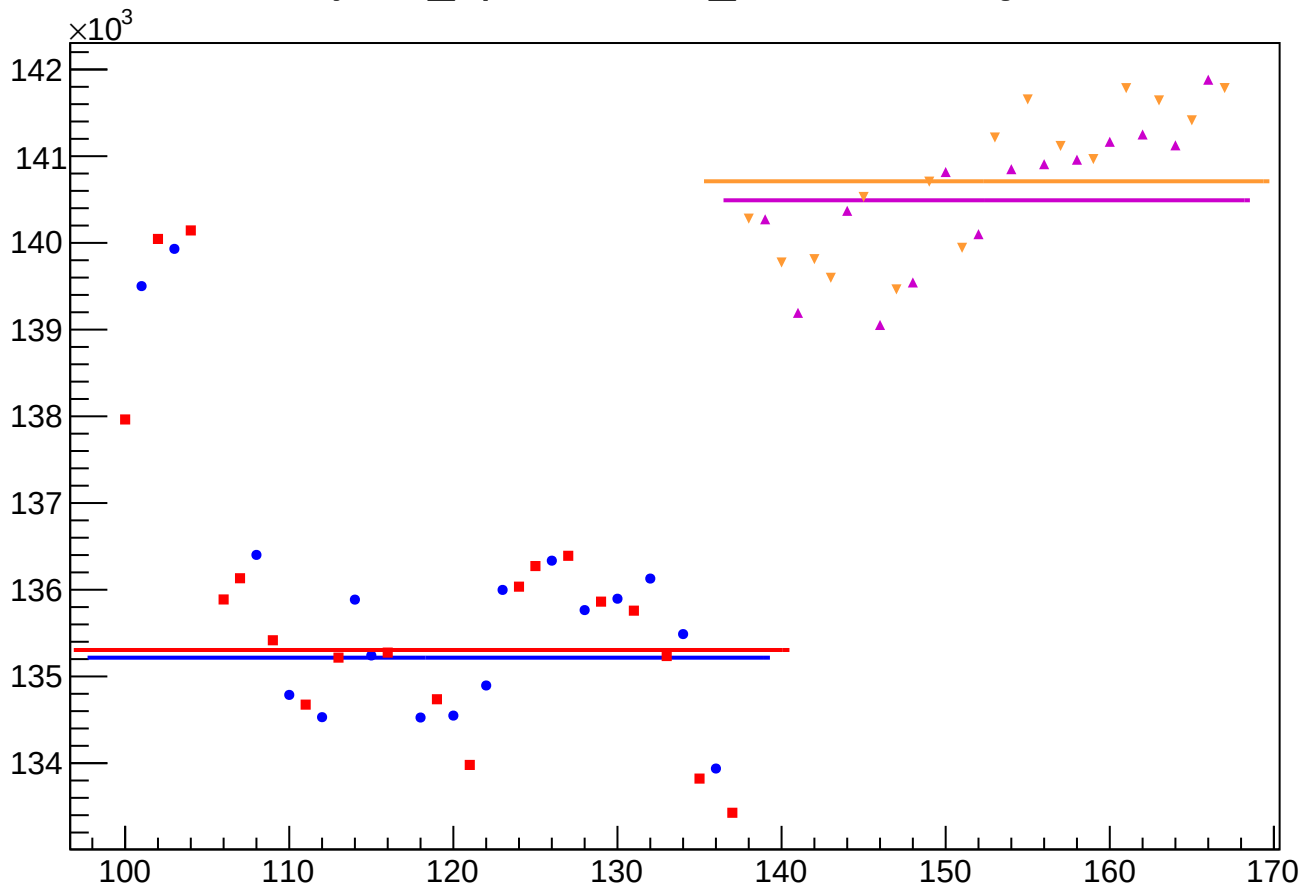
Left In: 263.309 $\pm$ 0.060 χ^2 /NDF:1632987.9/13

+ sign 263.701 $\pm$ 0.046 χ^2 /NDF: 3722720.3/32

All: 263.200 $\pm$ 0.033 χ^2 /NDF: 6979402.1/65

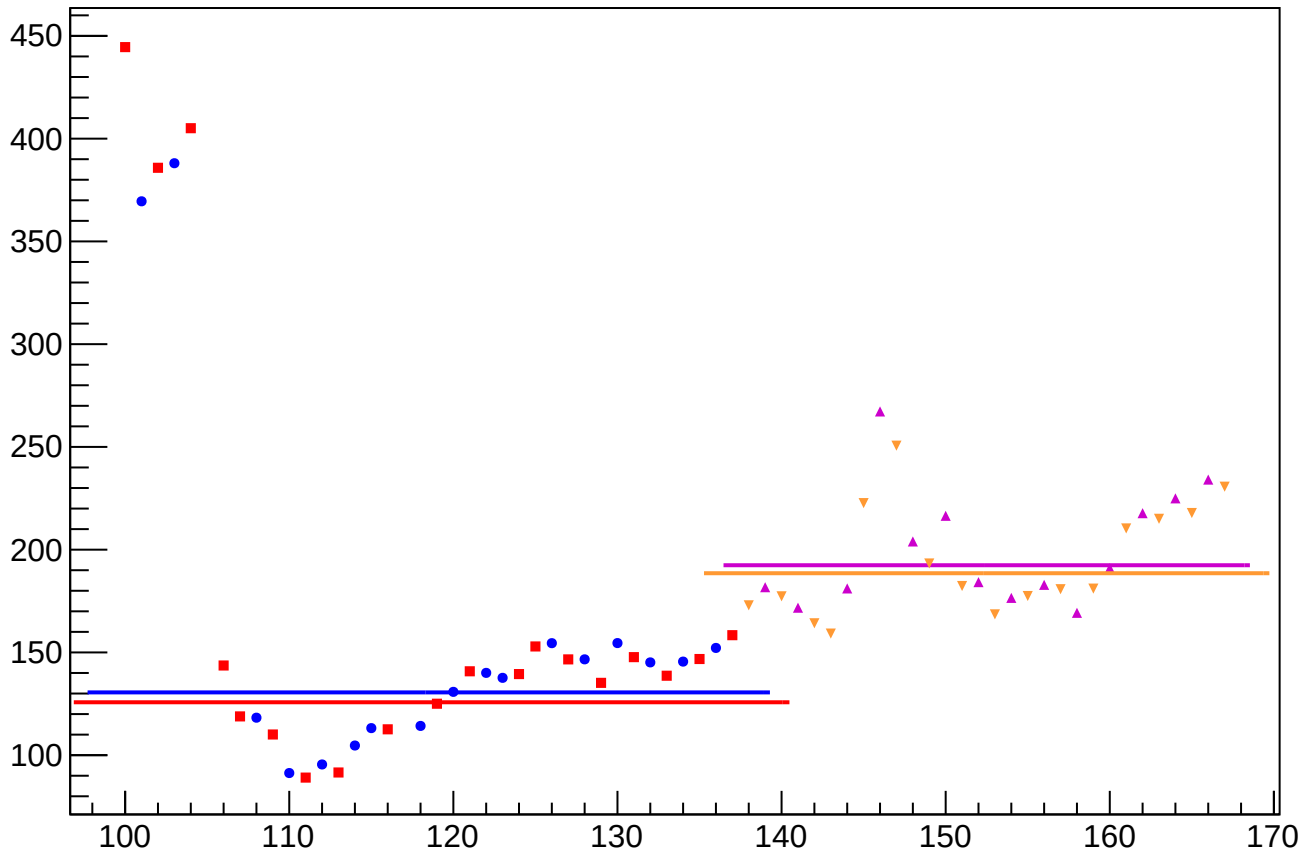
- sign 262.689 $\pm$ 0.047 χ^2 /NDF: 3256445.5/32

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
Left Out: 140710.634 $\pm$ 0.056	χ^2 /NDF: 194081907.7/15	All: 137698.529 $\pm$ 0.027	χ^2 /NDF: 104618184
Right Out: 135305.135 $\pm$ 0.051	χ^2 /NDF: 357636841.6/18	- sign 137506.845 $\pm$ 0.039	χ^2 /NDF: 4873196809.3/17
Left In: 140491.369 $\pm$ 0.060	χ^2 /NDF: 149738357.7/13		

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 ± 0.038 χ^2/NDF : 1373104.9/16

Left Out: 188.538 ± 0.039 χ^2/NDF : 354742.1/15

+ sign 158.785 ± 0.028 χ^2/NDF : 2836047.0/32

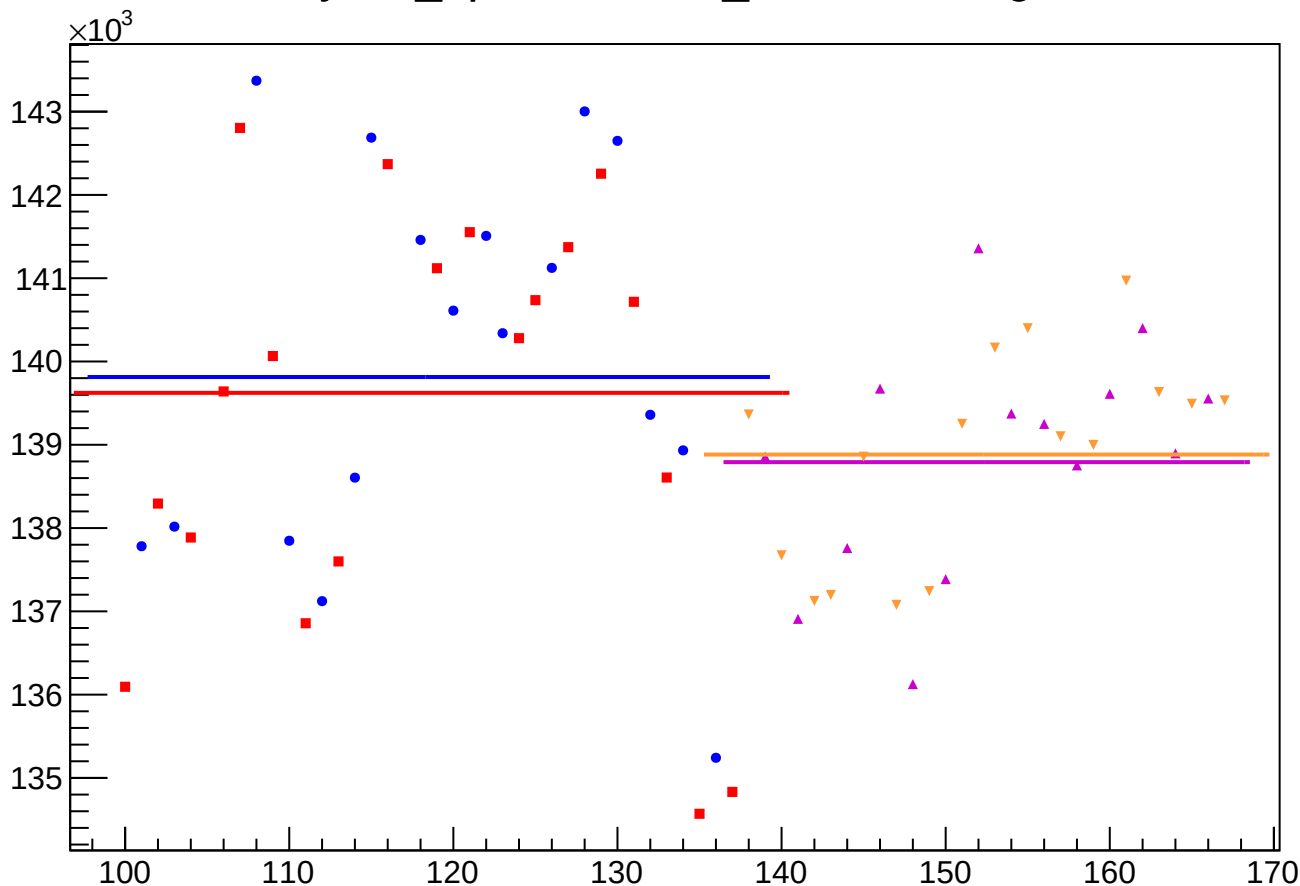
Right Out: 125.746 ± 0.036 χ^2/NDF : 1440002.5/18

All: 156.411 ± 0.019 χ^2/NDF : 6042520.8/65

- sign 154.054 ± 0.027 χ^2/NDF : 3191658.3/32

Left In: 192.427 ± 0.042 χ^2/NDF : 308193.6/13

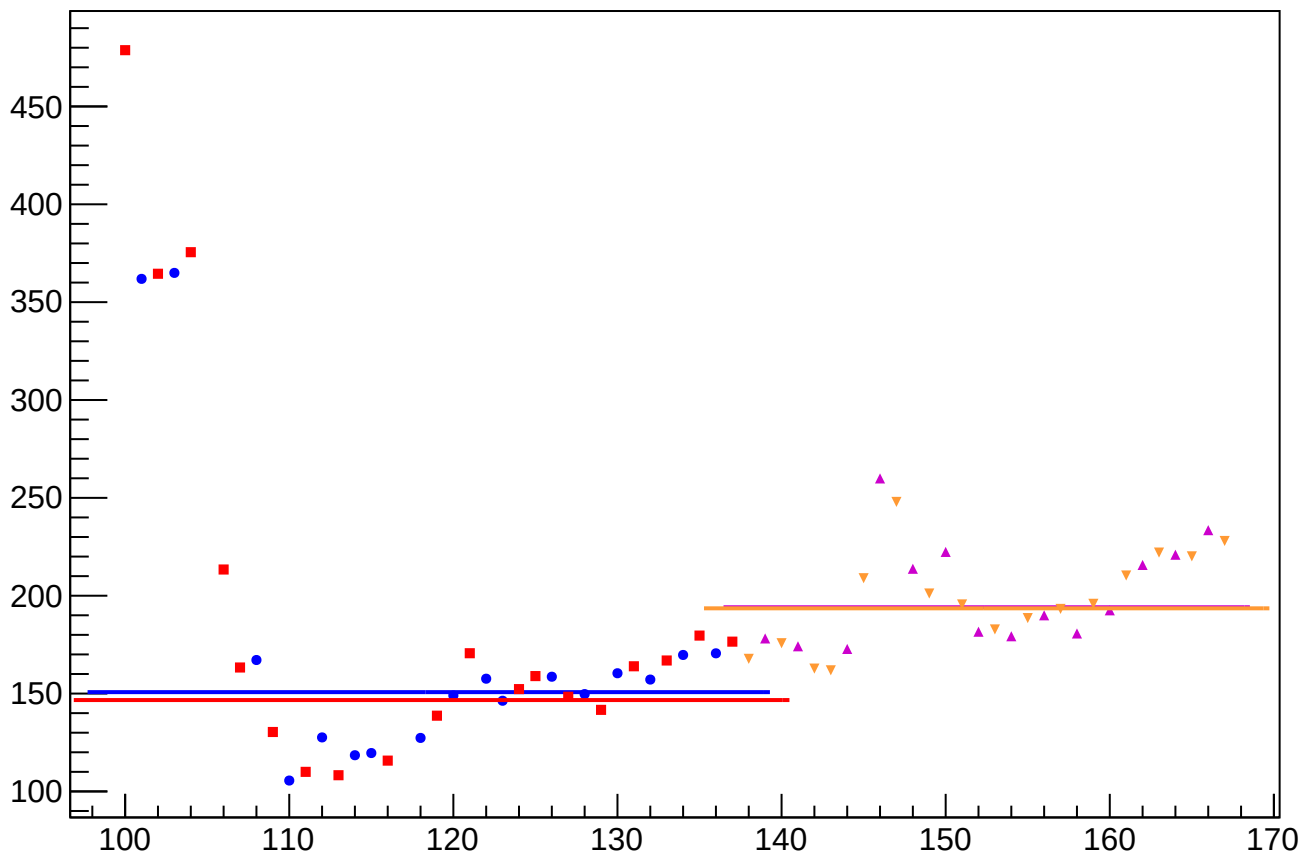
yield_bpm0i02aWS_mean vs Slug



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: 138791.601 ± 0.060 $\chi^2/\text{NDF}: 523920220.6/13$

+ sign 139312.709 ± 0.042 $\chi^2/\text{NDF}: 2252031029.5$
 All: 139263.929 ± 0.030 $\chi^2/\text{NDF}: 438187230$
 - sign 139215.081 ± 0.042 $\chi^2/\text{NDF}: 2127152106.6/13$

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

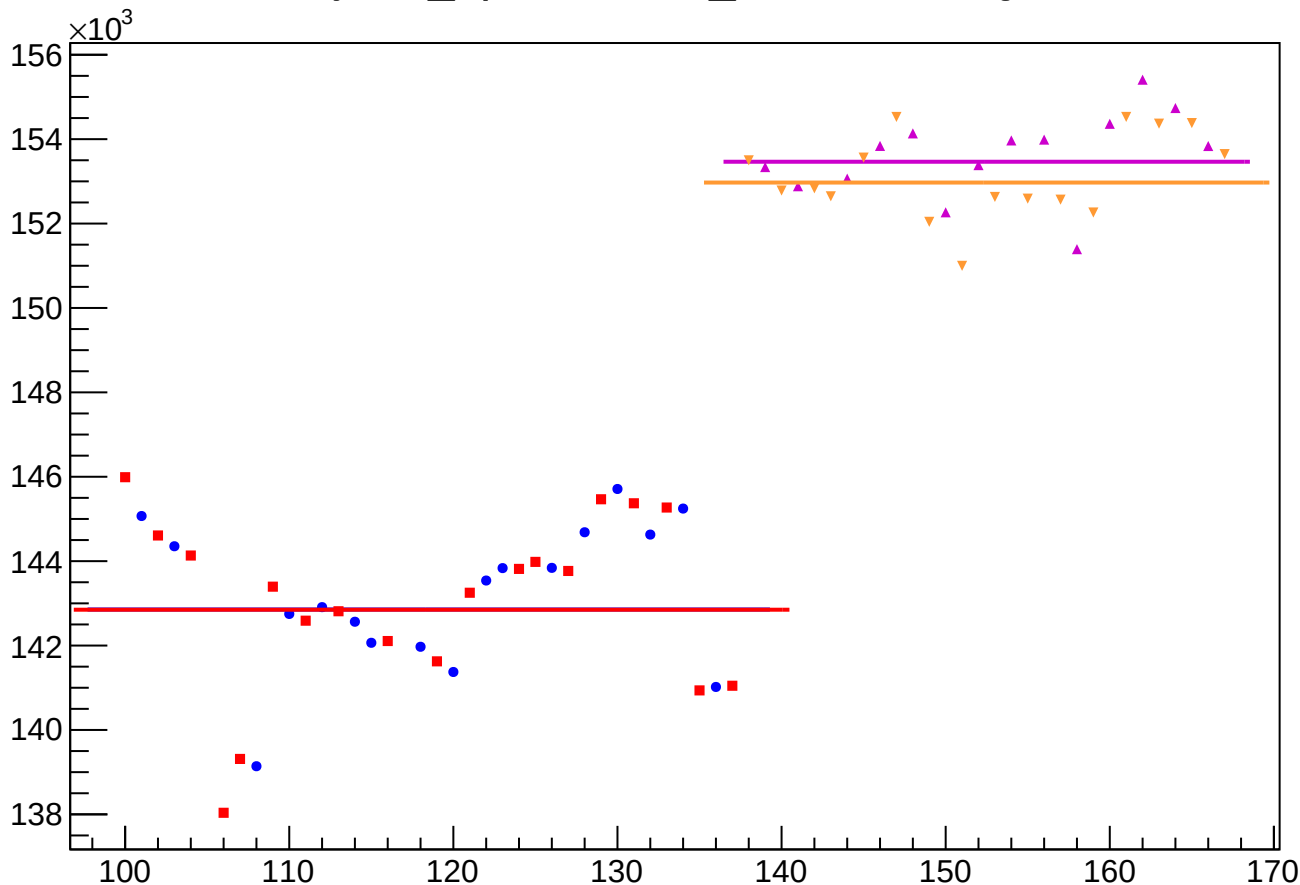
Left In: 194.113 $\pm$ 0.043 χ^2 /NDF:288501.2/13

+ sign 173.779 $\pm$ 0.030 χ^2 /NDF: 1870580.1/32

All: 171.874 $\pm$ 0.021 χ^2 /NDF: 4004366.4/65

- sign 169.967 $\pm$ 0.030 χ^2 /NDF: 2125587.5/32

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 152971.919 $\pm$ 0.058 χ^2 /NDF: 259116469.2/15

Right Out: 142849.362 $\pm$ 0.060 χ^2 /NDF: 850066807.5/18

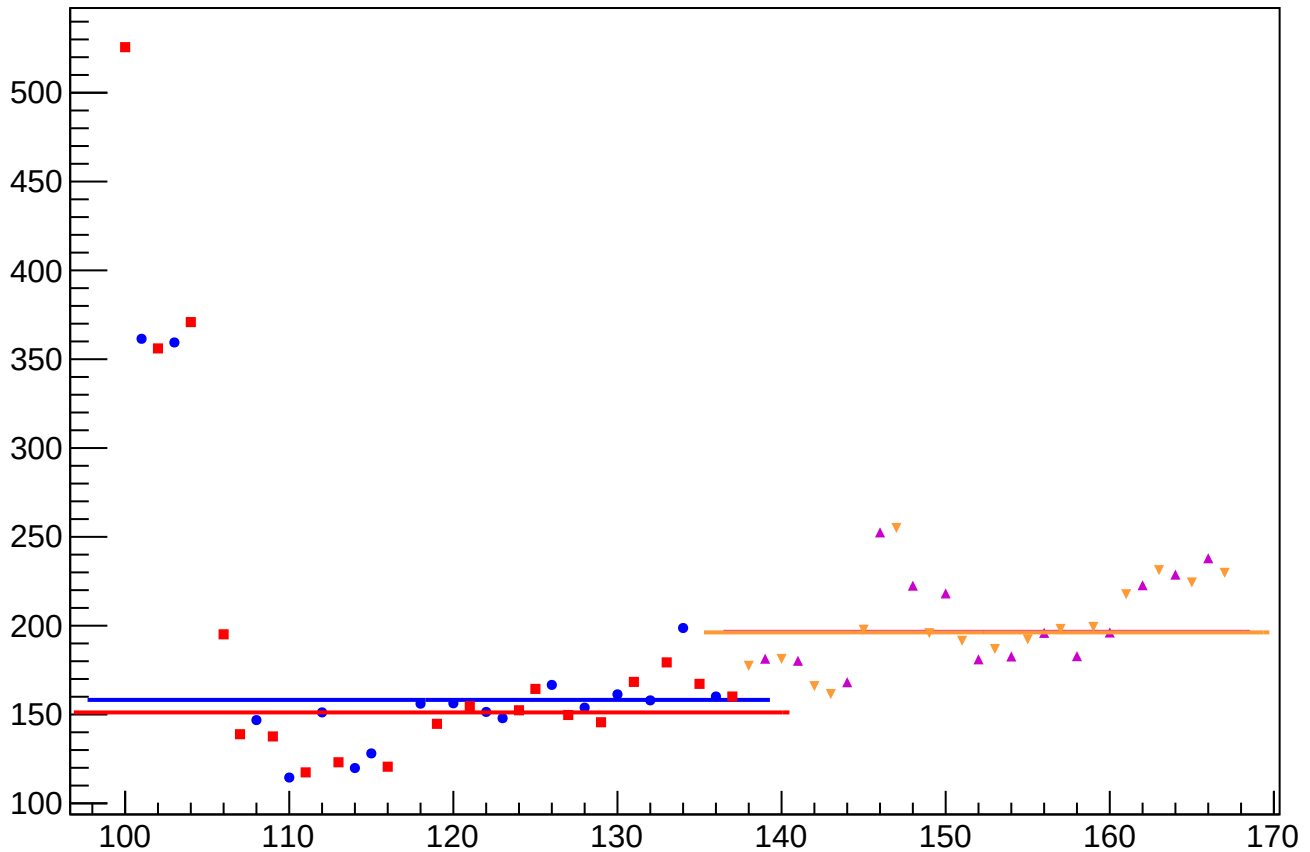
Left In: 153464.870 $\pm$ 0.061 χ^2 /NDF: 257892133.9/13

+ sign 148454.858 $\pm$ 0.043 χ^2 /NDF: 14551650438.

All: 148287.892 $\pm$ 0.030 χ^2 /NDF: 310387703

- sign 148123.737 $\pm$ 0.043 χ^2 /NDF: 16457503467.1

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

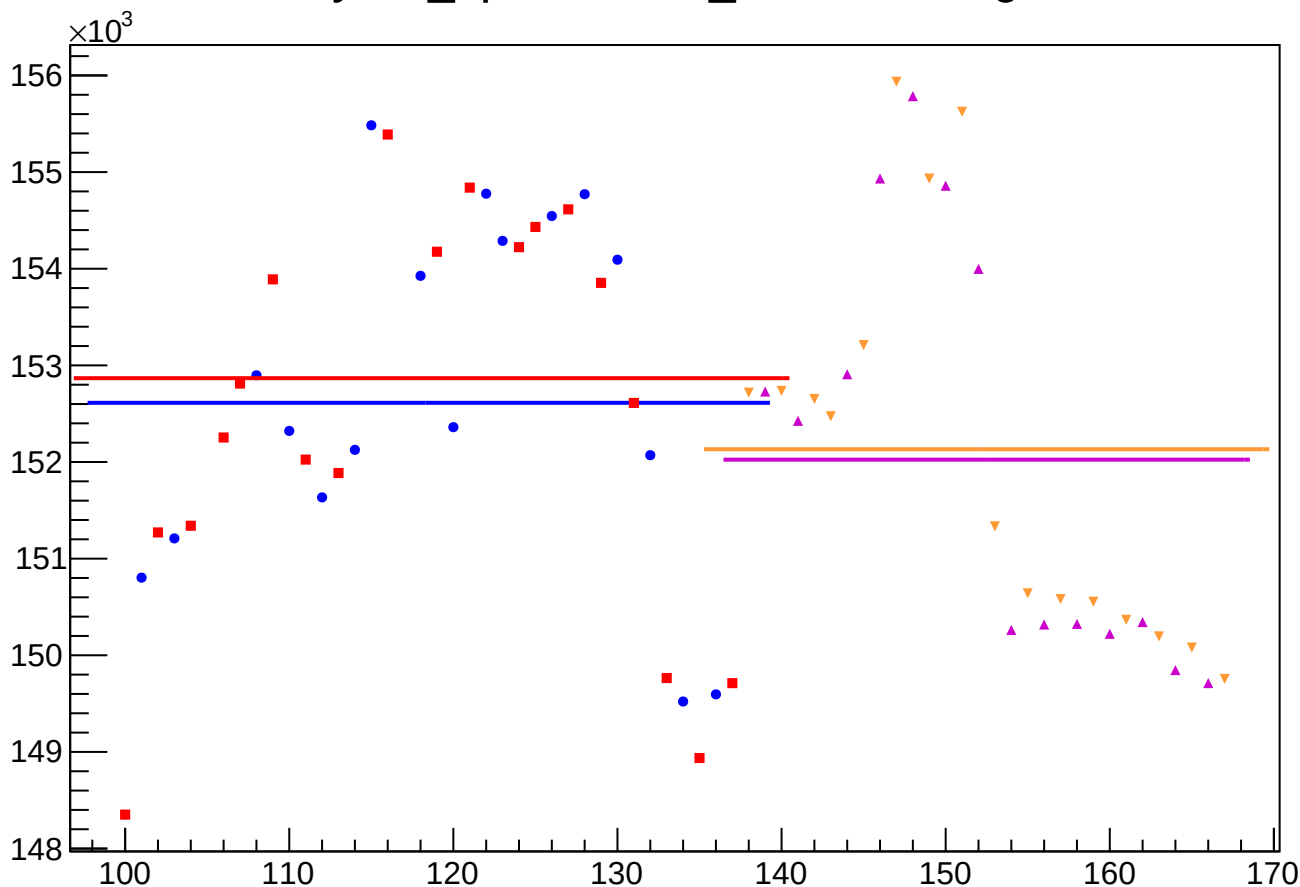
Left In: 196.535+/-0.043 χ^2/NDF : 293018.0/13

+ sign 179.264+/-0.031 χ^2/NDF : 1567642.7/32

All: 176.464+/-0.022 χ^2/NDF : 3441166.0/65

- sign 173.712+/-0.030 χ^2/NDF : 1856872.1/32

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

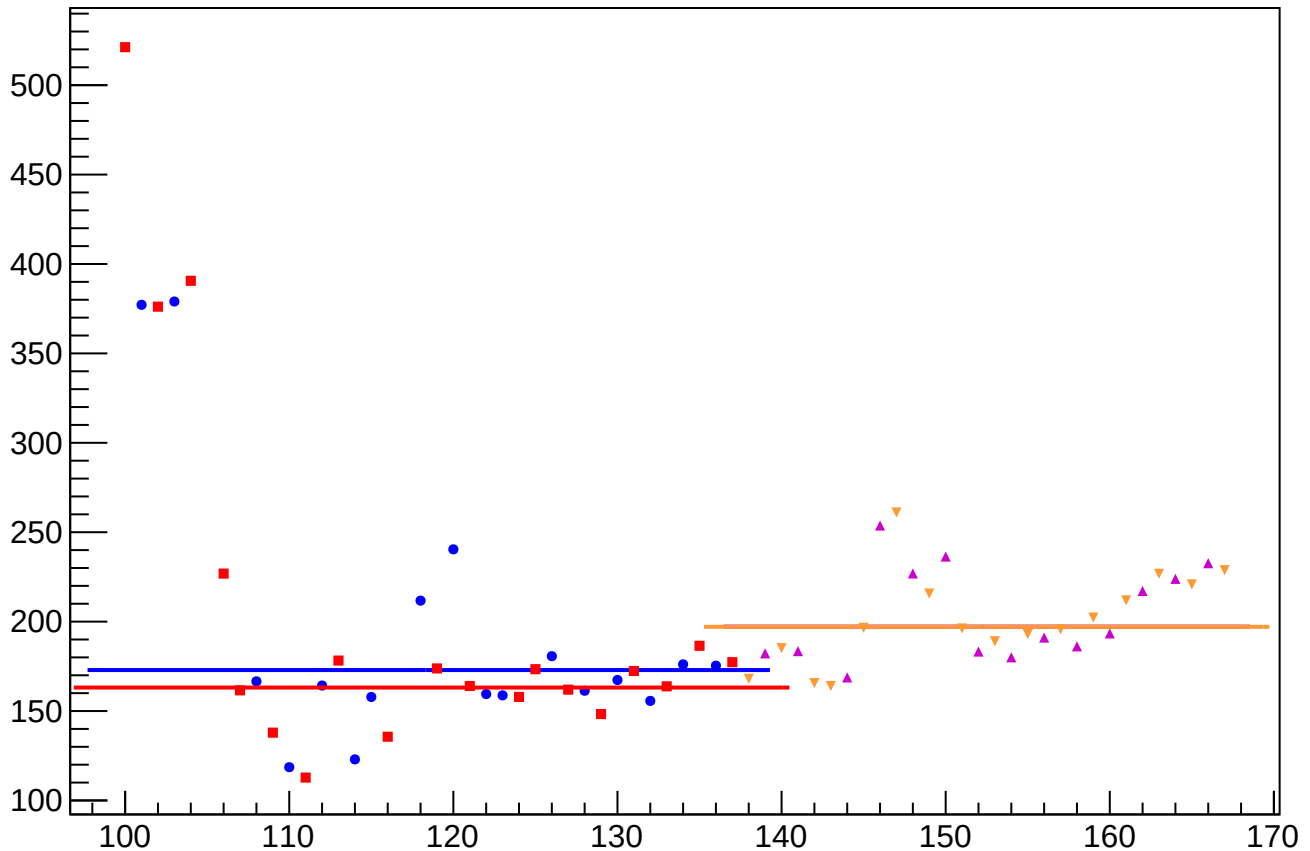
Left In: 152024.405 $\pm$ 0.061 χ^2 /NDF: 1002588594.5/13

+ sign 152321.129 $\pm$ 0.045 χ^2 /NDF: 1645576449.2/17

All: 152366.150 $\pm$ 0.032 χ^2 /NDF: 345710497.1/34

- sign 152410.275 $\pm$ 0.045 χ^2 /NDF: 1809568473.1/17

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

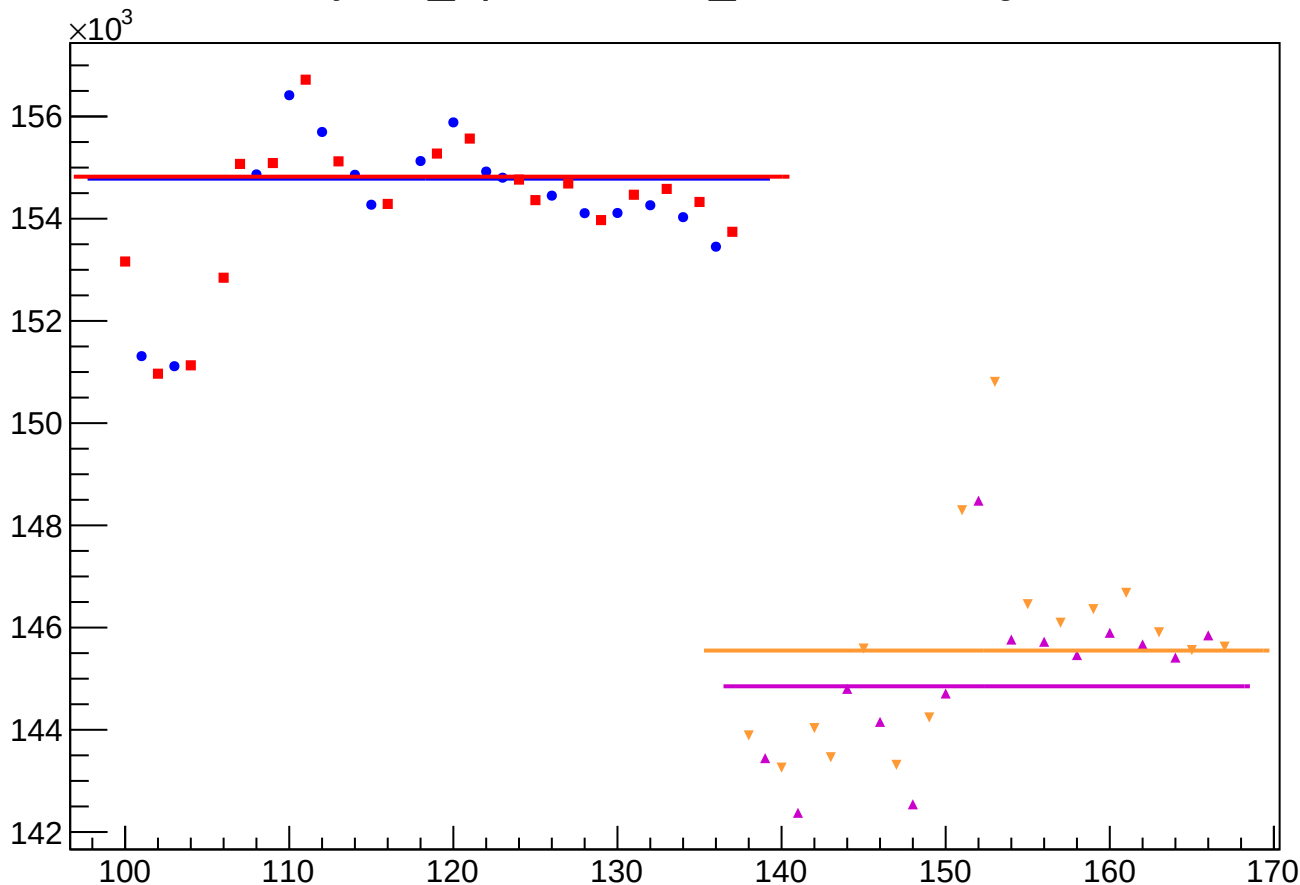
Left In: 197.227 ± 0.043 χ^2/NDF : 305145.5/13

+ sign 187.596 ± 0.032 χ^2/NDF : 1396329.7/32

All: 184.580 ± 0.023 χ^2/NDF : 3040268.2/65

- sign 181.624 ± 0.032 χ^2/NDF : 1626348.1/32

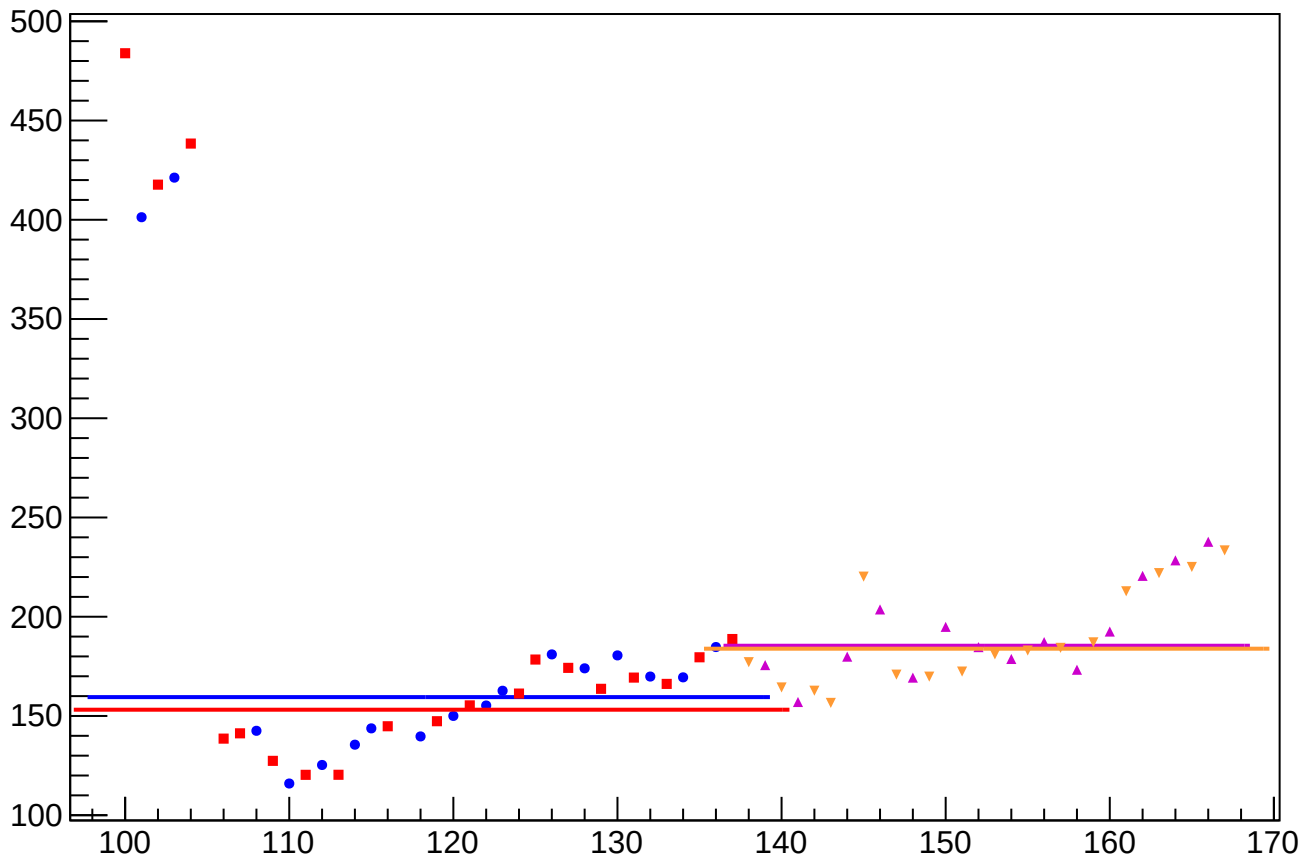
yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16
 Left Out: 145550.493 $\pm$ 0.054 χ^2 /NDF: 1481806688.4/15
 Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18
 Left In: 144851.238 $\pm$ 0.057 χ^2 /NDF: 822202968.3/13

+ sign 149303.992 $\pm$ 0.042 χ^2 /NDF: 13589003808.
 All: 149403.424 $\pm$ 0.029 χ^2 /NDF: 290237783.
 - sign 149502.418 $\pm$ 0.042 χ^2 /NDF: 15423416042.1

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

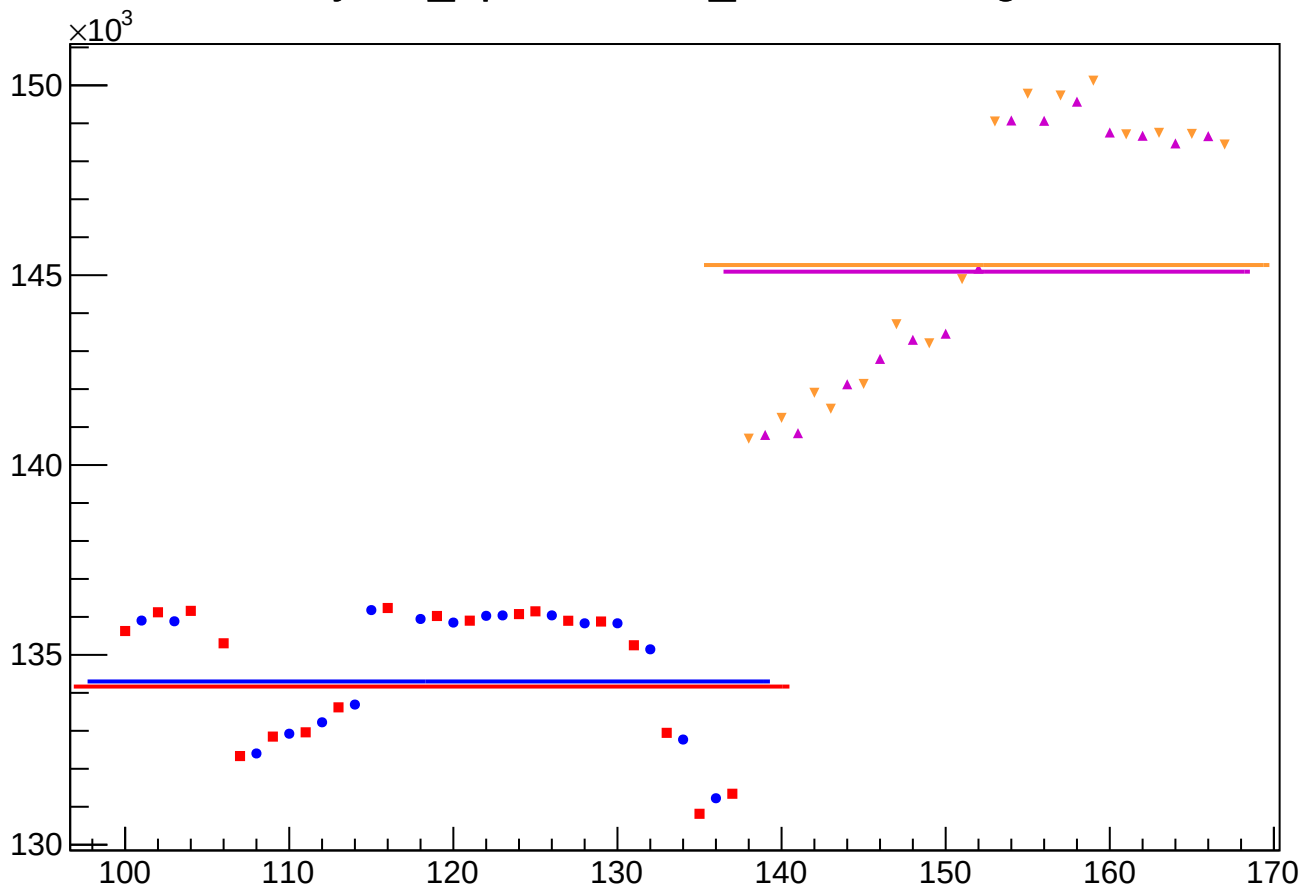
Left In: 185.382 ± 0.040 χ^2/NDF : 237498.5/13

+ sign 173.979 ± 0.029 χ^2/NDF : 1626399.1/32

All: 172.160 ± 0.021 χ^2/NDF : 3344201.3/65

- sign 170.348 ± 0.029 χ^2/NDF : 1710197.4/32

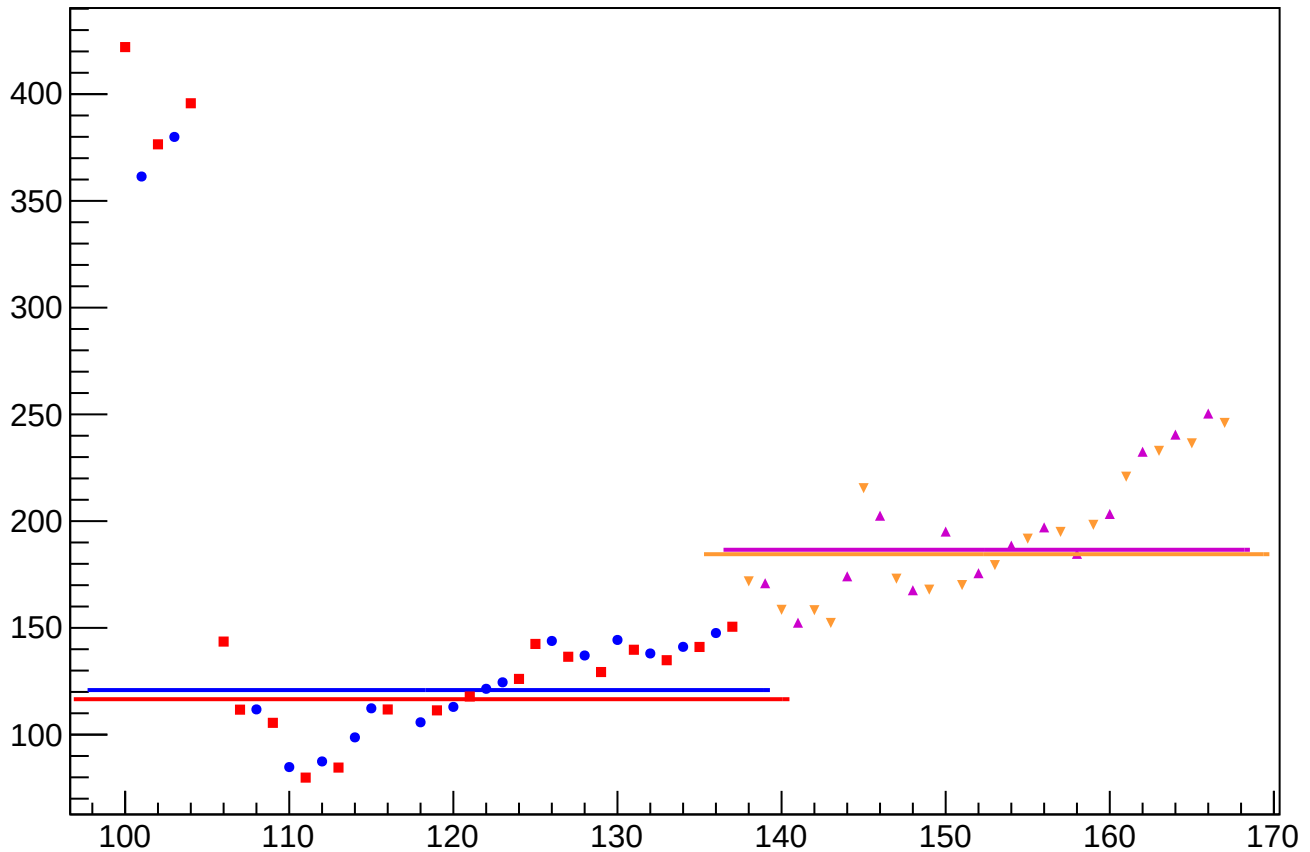
yield_bpm1i04WS_mean vs Slug



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: 145092.699 $\pm$ 0.058 χ^2 /NDF: 3402343160.1/13

+ sign 139352.431 $\pm$ 0.037 χ^2 /NDF: 27235327653.
 All: 138964.747 $\pm$ 0.026 χ^2 /NDF: 535681210
 - sign 138585.350 $\pm$ 0.037 χ^2 /NDF: 26115222444.0

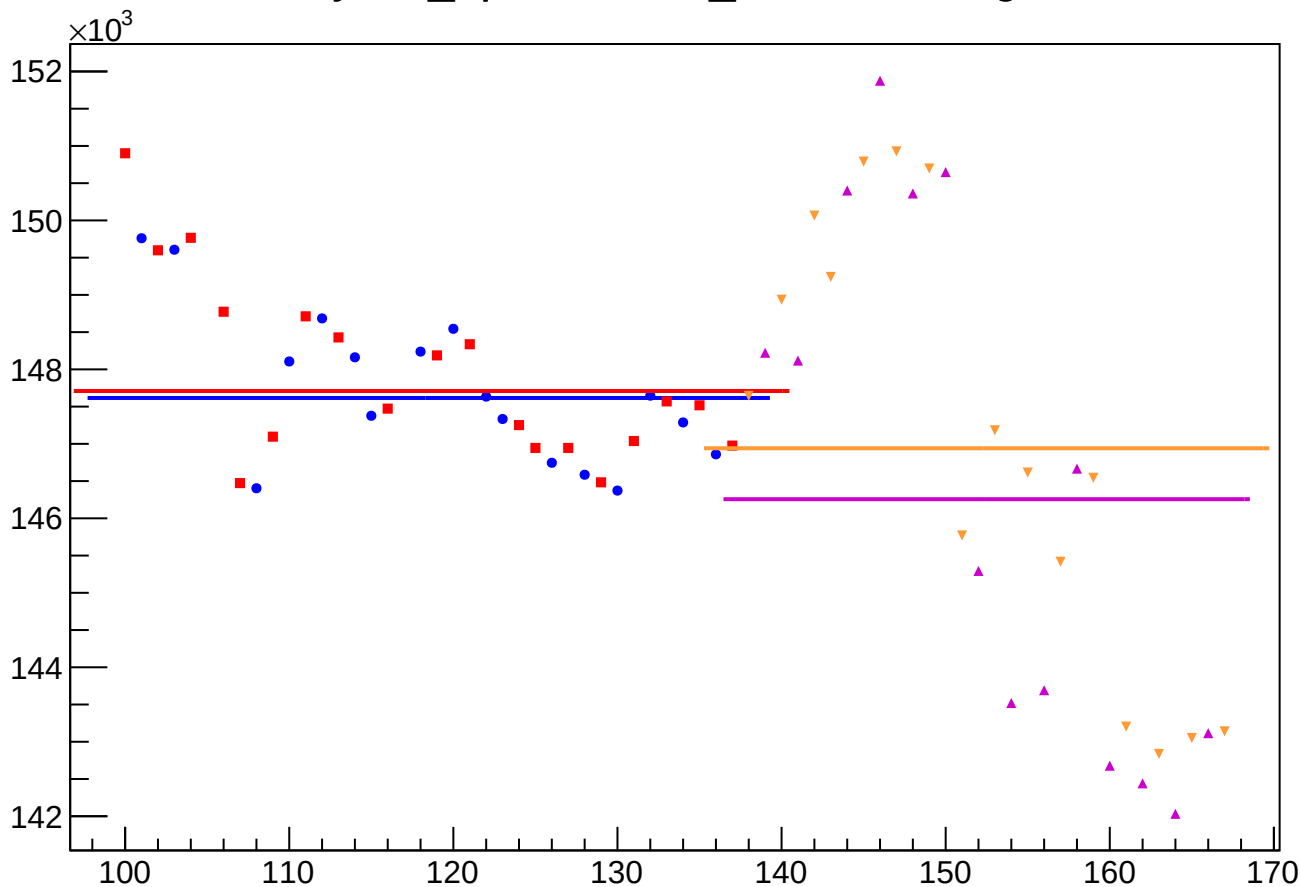
yield_bpm1i04WS_rms vs Slug



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: 186.589 $\pm$ 0.041 χ^2 /NDF: 348275.1/13

+ sign 150.188 $\pm$ 0.026 χ^2 /NDF: 3408247.6/32
 All: 147.518 $\pm$ 0.018 χ^2 /NDF: 7082982.8/65
 - sign 144.906 $\pm$ 0.026 χ^2 /NDF: 3654098.8/32

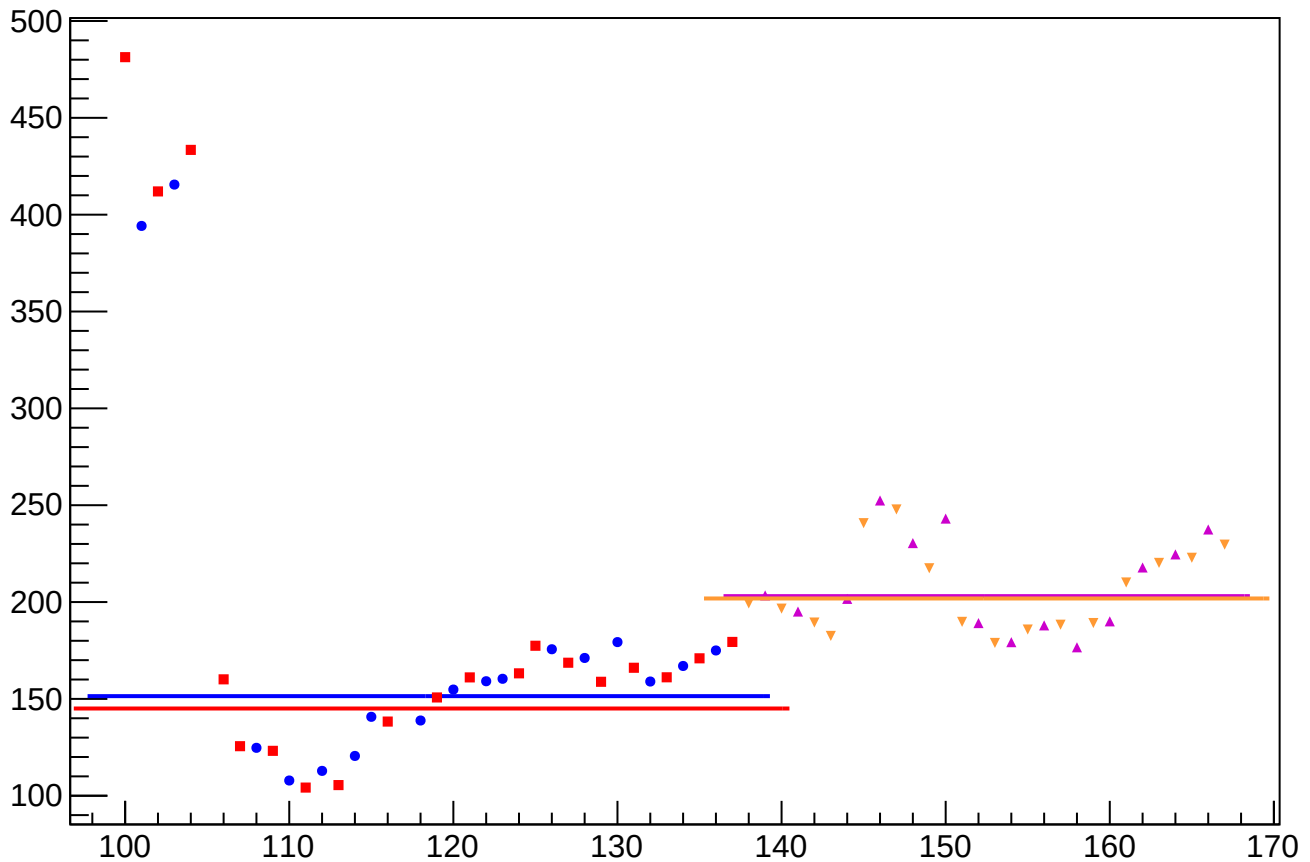
yield_bpm1i06WS_mean vs Slug



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: 146256.953 ± 0.062 $\chi^2/\text{NDF}: 2597245111.5/13$

+ sign 147260.868 ± 0.043 $\chi^2/\text{NDF}: 2183303866.6$
 All: 147145.814 ± 0.030 $\chi^2/\text{NDF}: 528767297$
 - sign 147032.872 ± 0.043 $\chi^2/\text{NDF}: 3090196843.7$

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

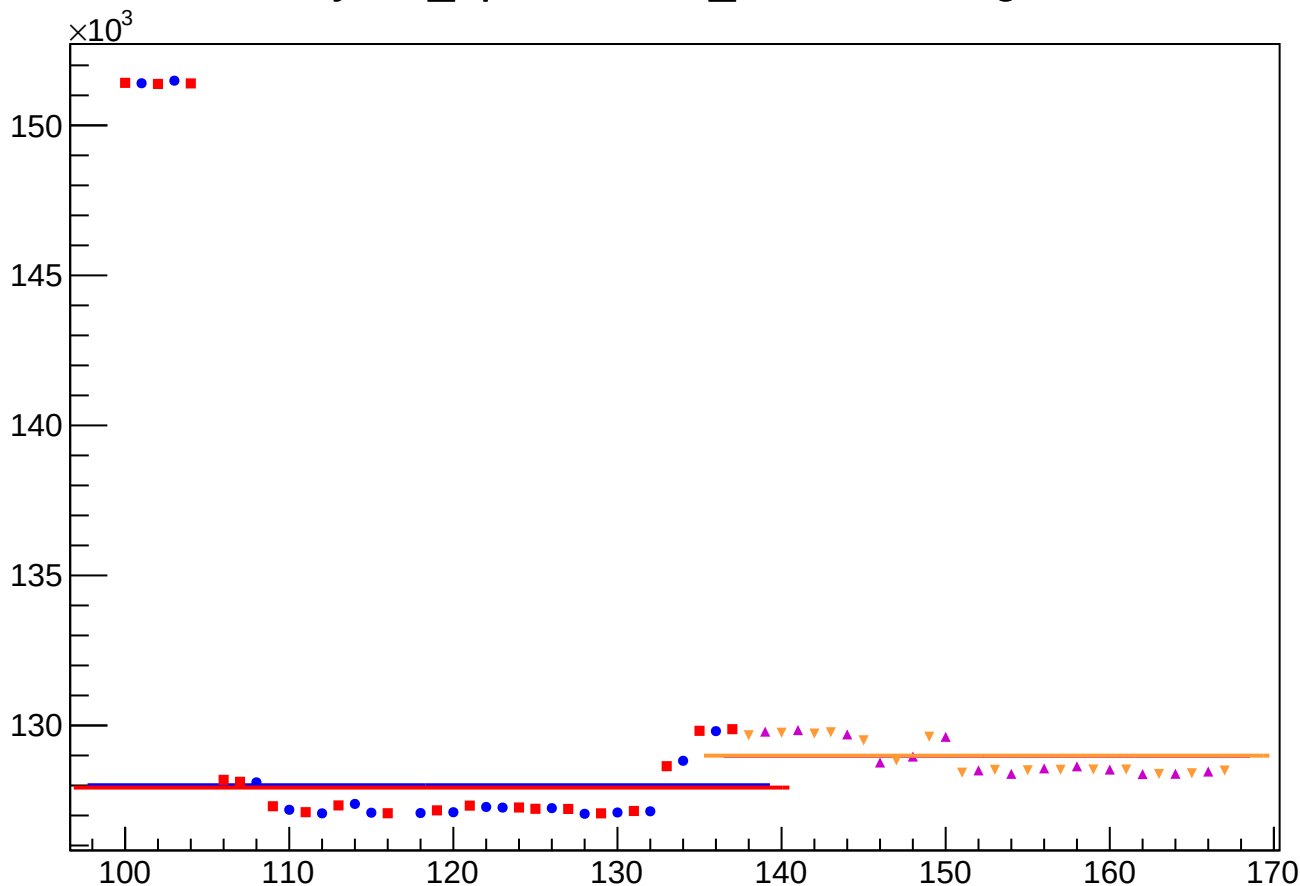
Left In: 203.056 $\pm$ 0.044 χ^2 /NDF: 264913.2/13

+ sign 177.941 $\pm$ 0.030 χ^2 /NDF: 2168698.7/32

All: 174.978 $\pm$ 0.021 χ^2 /NDF: 4750324.8/65

- sign 172.069 $\pm$ 0.030 χ^2 /NDF: 2562827.2/32

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

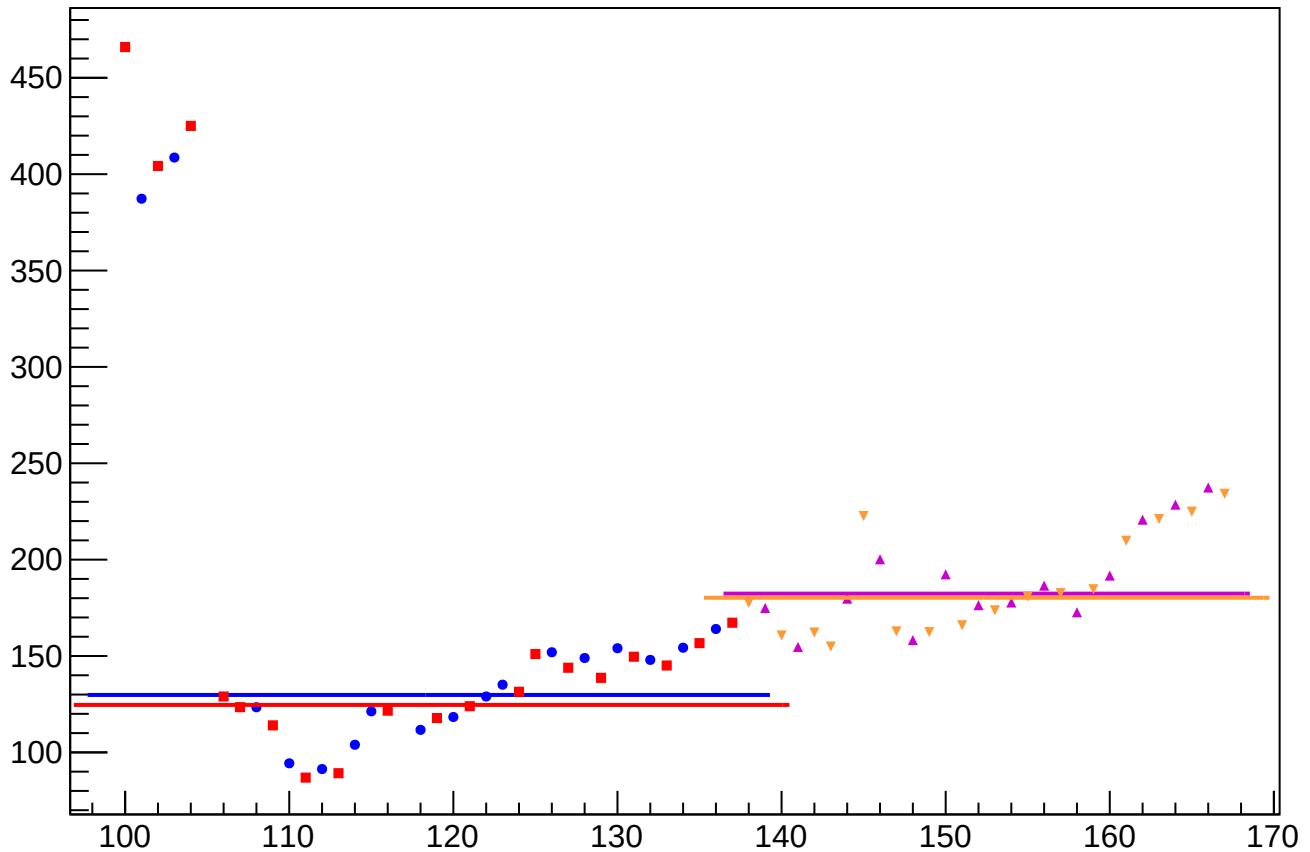
Left In: 128981.722 $\pm$ 0.056 χ^2 /NDF: 103506954.1/13

+ sign 128510.783 $\pm$ 0.038 χ^2 /NDF: 4607355029.7/19

All: 128454.721 $\pm$ 0.027 χ^2 /NDF: 867797019.0/20

- sign 128399.847 $\pm$ 0.037 χ^2 /NDF: 4066280871.3/21

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

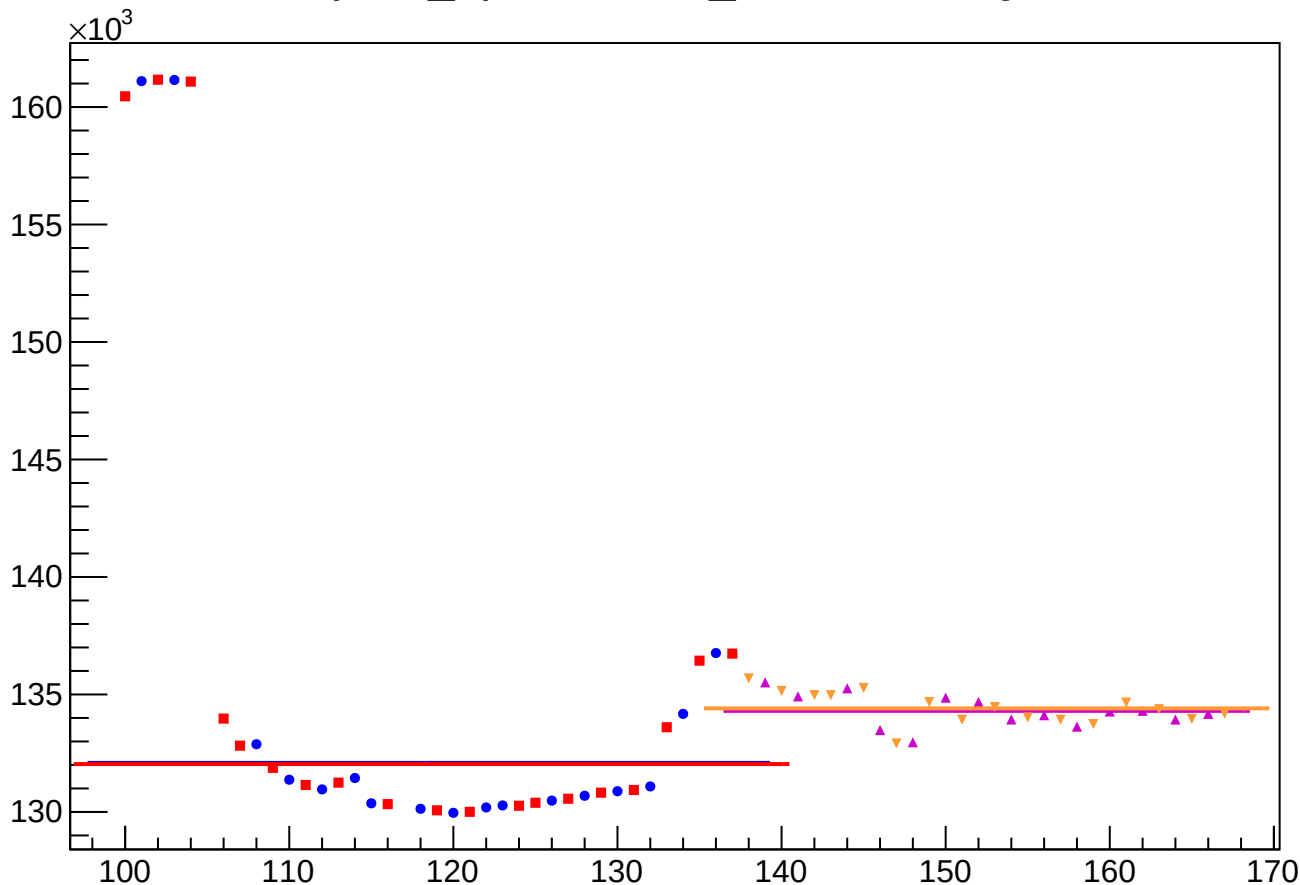
Left In: 182.367 $\pm$ 0.040 χ^2 /NDF: 275823.6/13

+ sign 155.527 $\pm$ 0.027 χ^2 /NDF: 2758526.7/32

All: 152.944 $\pm$ 0.019 χ^2 /NDF: 5758052.7/65

- sign 150.417 $\pm$ 0.027 χ^2 /NDF: 2981131.9/32

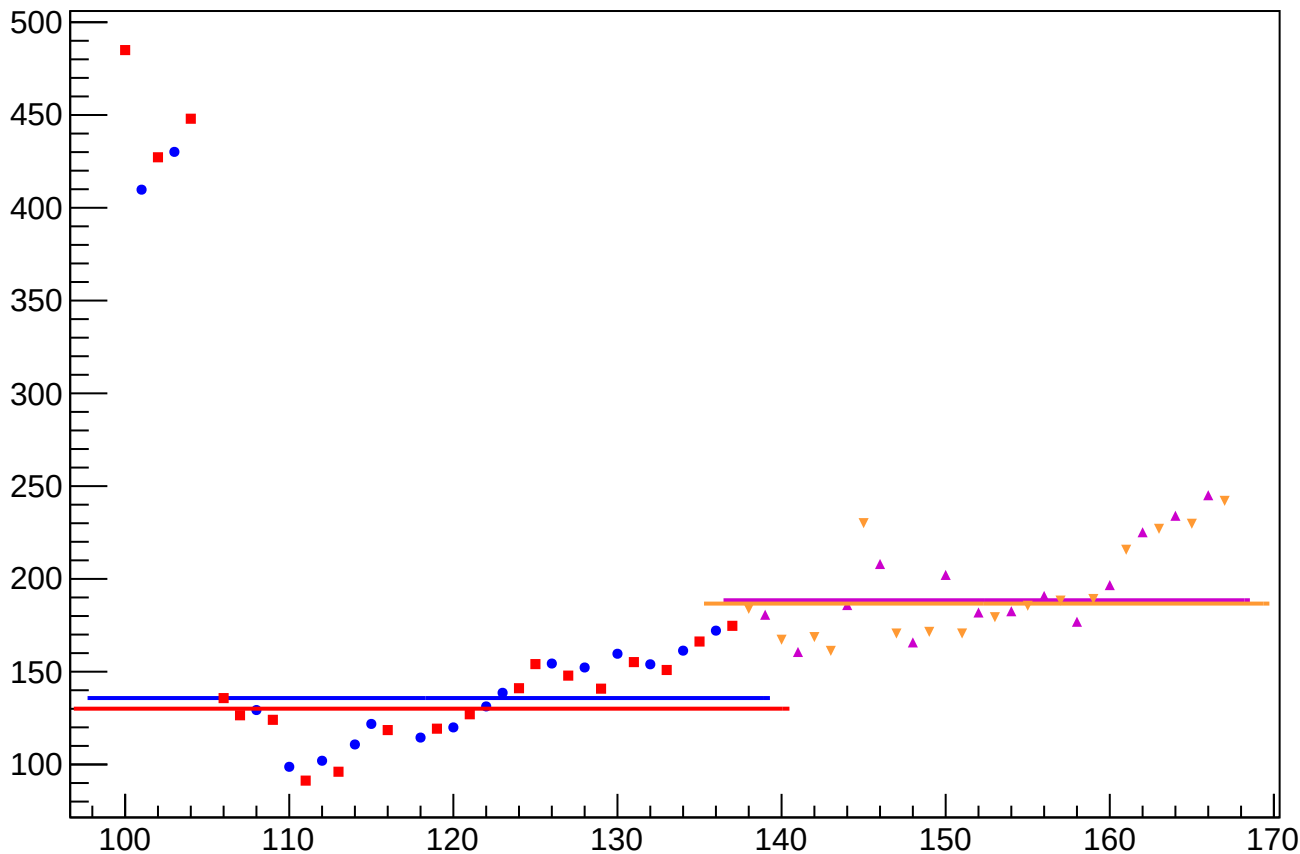
yield_bpm2i02WS_mean vs Slug



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: 134302.923 $\pm$ 0.058 χ^2 /NDF: 157217450.9/13

+ sign 133280.640 $\pm$ 0.039 χ^2 /NDF: 7763880465.1
 All: 133168.714 $\pm$ 0.028 χ^2 /NDF: 146581383
 - sign 133059.445 $\pm$ 0.039 χ^2 /NDF: 6878300217.6

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

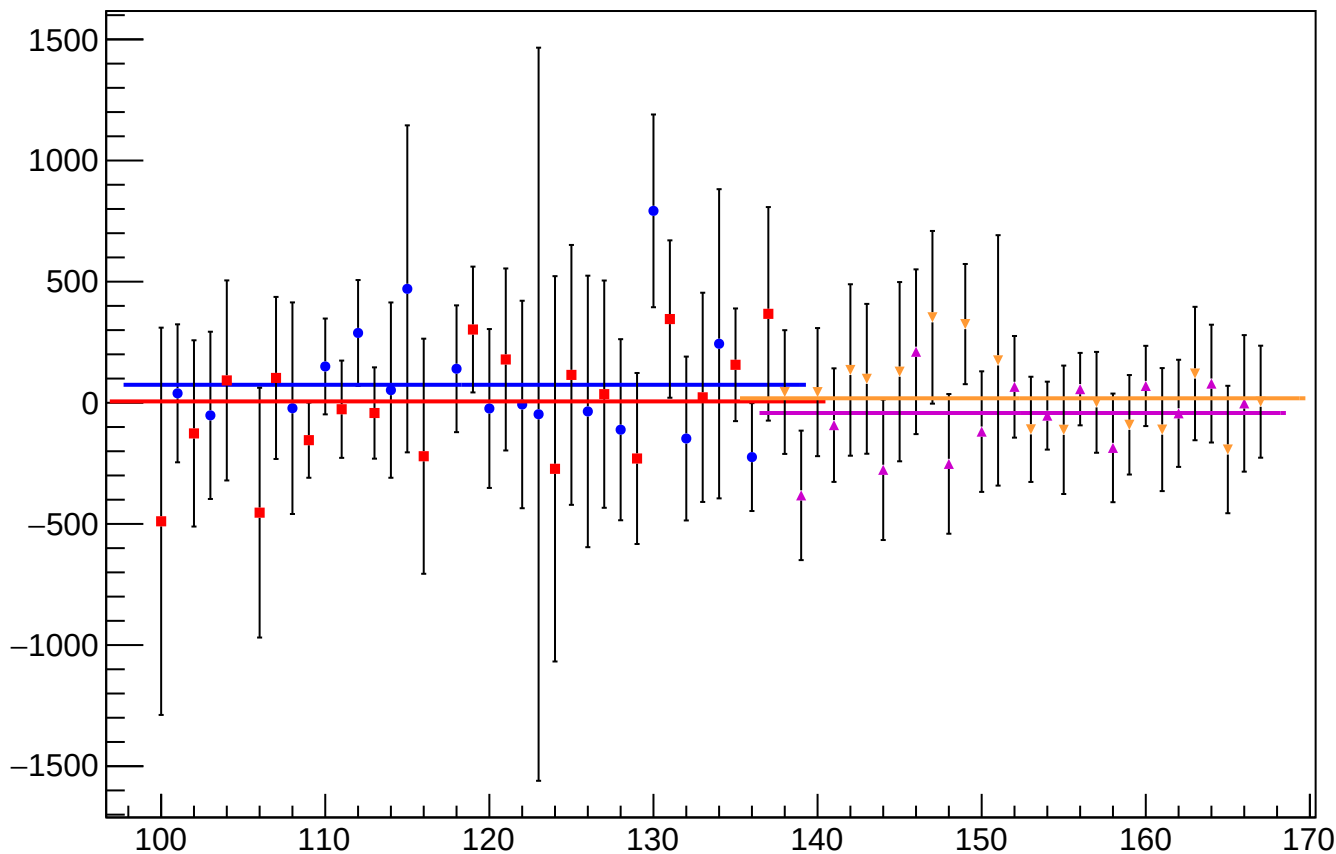
Left In: 188.490 $\pm$ 0.041 χ^2 /NDF: 261745.5/13

+ sign 161.981 $\pm$ 0.028 χ^2 /NDF: 2635678.8/32

All: 159.169 $\pm$ 0.020 χ^2 /NDF: 5537462.9/65

- sign 156.423 $\pm$ 0.028 χ^2 /NDF: 2881630.7/32

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

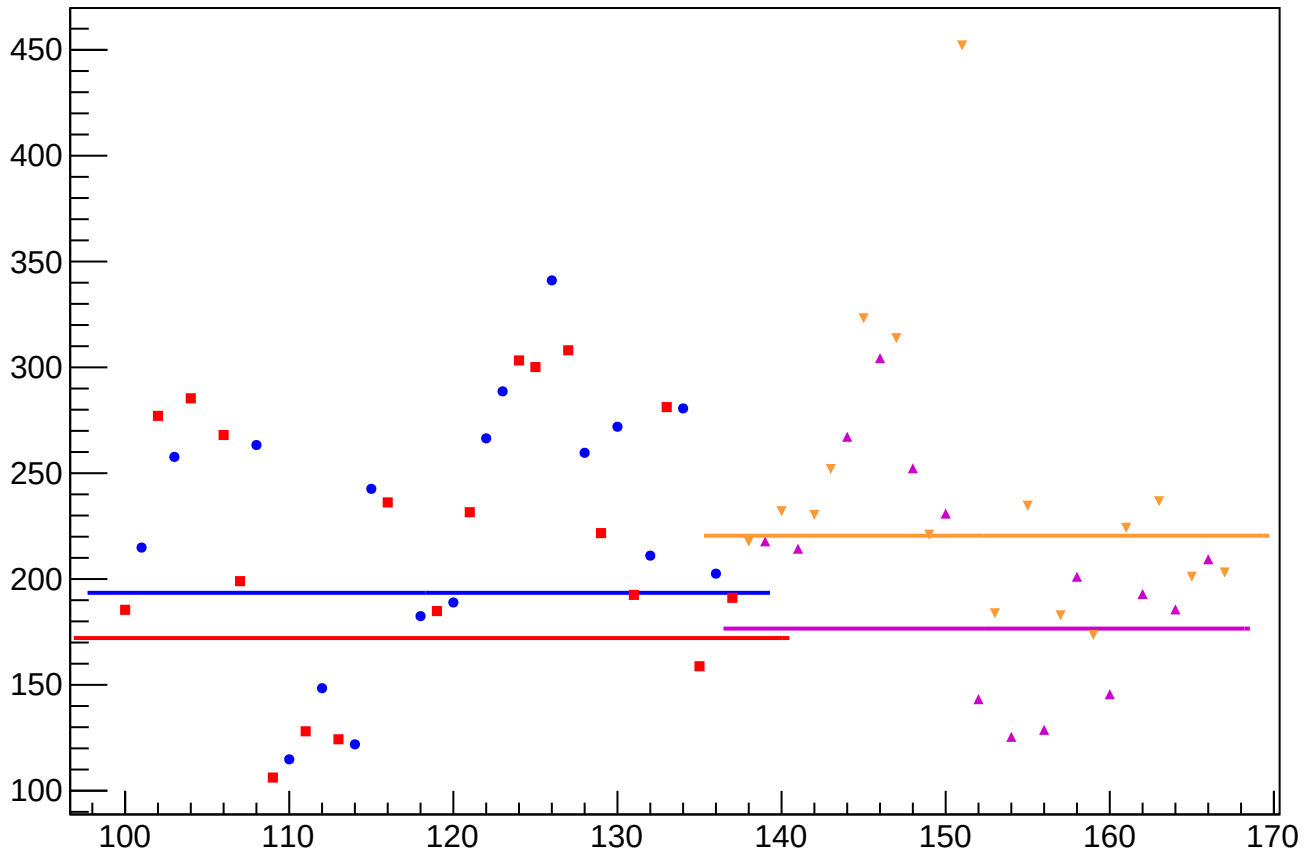
Left In: -42.132 ± 57.207 χ^2/NDF : 5.3/13

+ sign 41.619 ± 50.798 χ^2/NDF : 12.7/32

All: 4.933 ± 33.393 χ^2/NDF : 26.3/65

- sign -22.985 ± 44.314 χ^2/NDF : 12.7/32

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

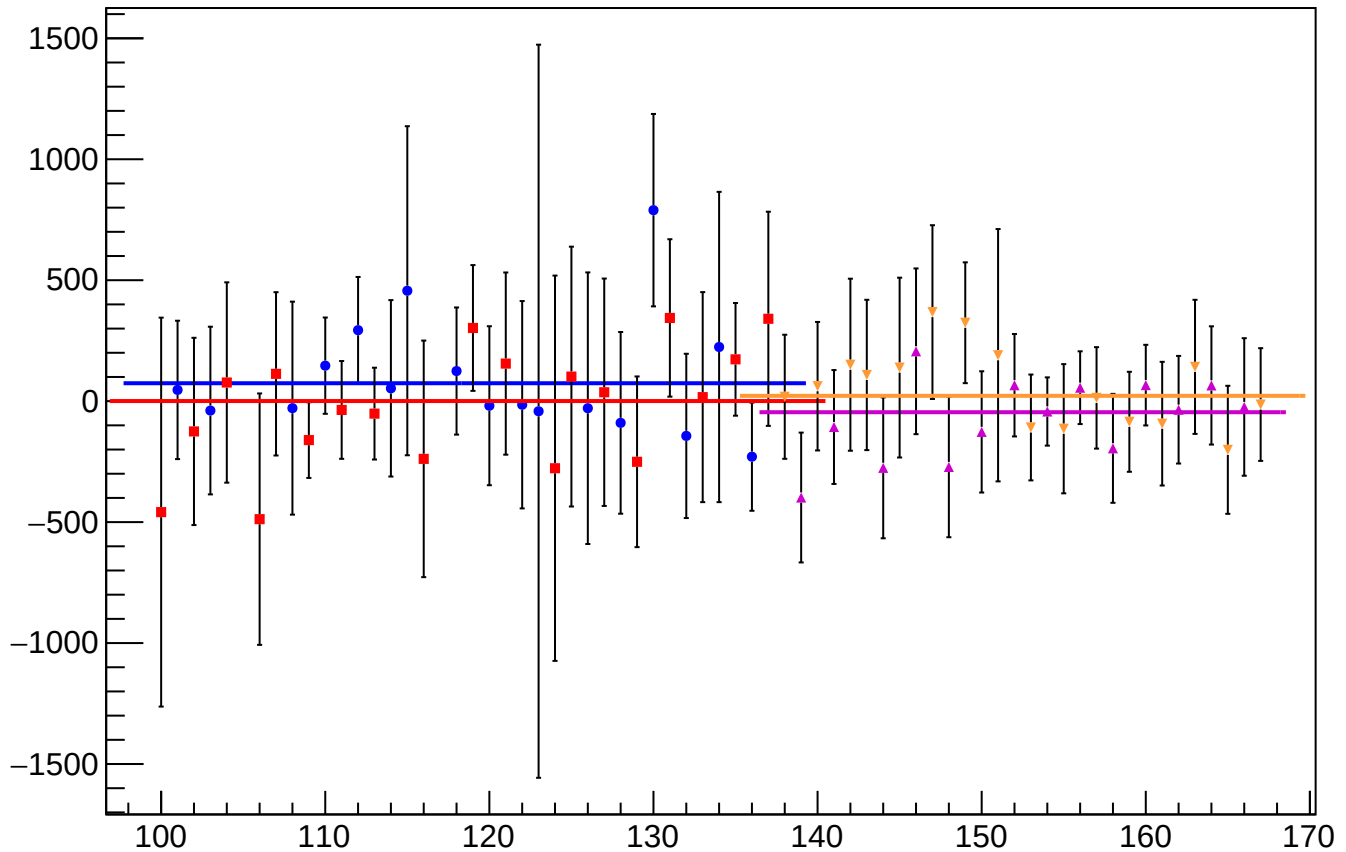
Left In: 176.592 ± 0.040 χ^2/NDF : 1466814.0/13

+ sign 209.319 ± 0.036 χ^2/NDF : 2135237.4/32

All: 189.719 ± 0.024 χ^2/NDF : 5711094.5/65

- sign 174.804 ± 0.031 χ^2/NDF : 3051536.4/32

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

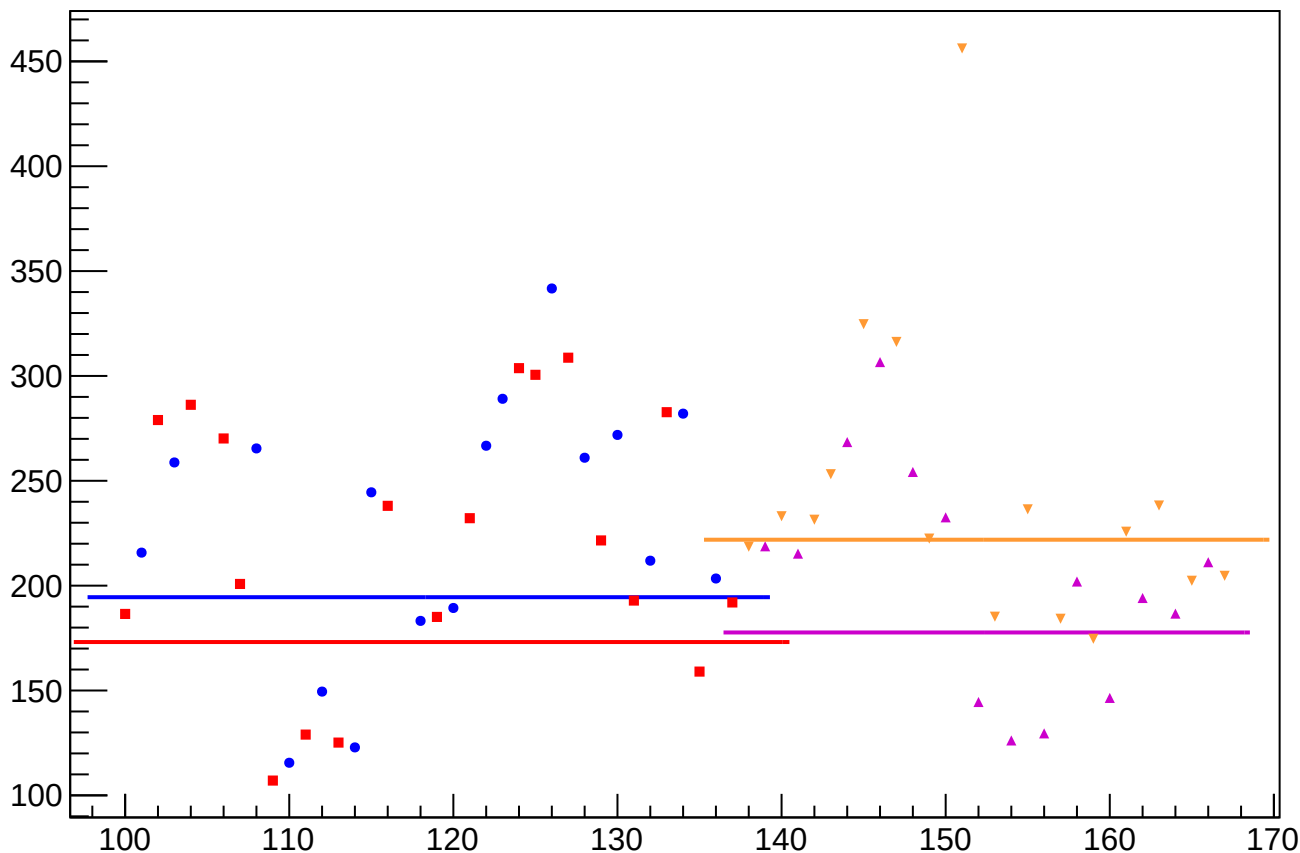
Left In: -45.717 $\pm$ 57.559 χ^2 /NDF: 5.5/13

+ sign 43.623 $\pm$ 51.095 χ^2 /NDF: 12.6/32

All: 3.397 $\pm$ 33.587 χ^2 /NDF: 26.8/65

- sign -27.211 $\pm$ 44.570 χ^2 /NDF: 13.1/32

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

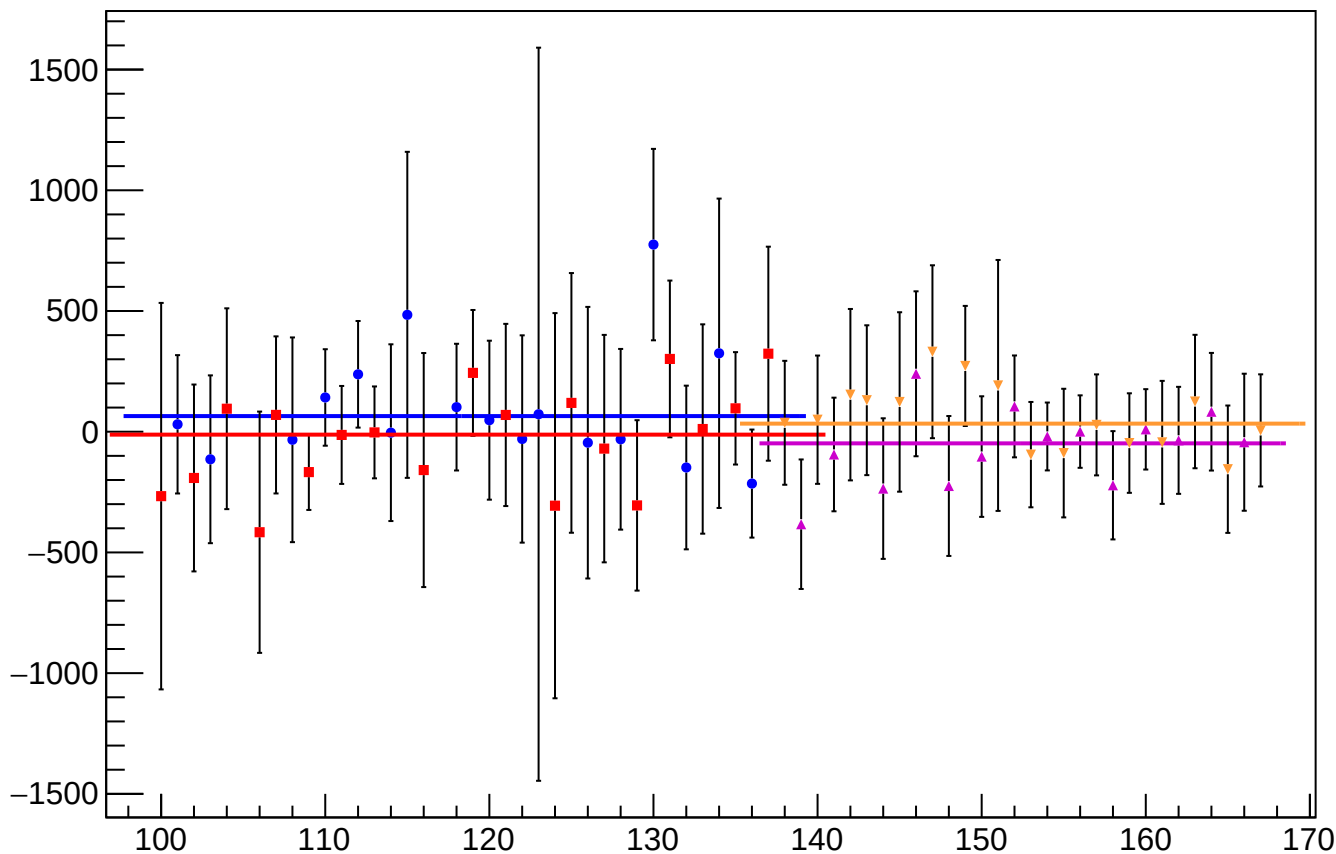
Left In: 177.674 $\pm$ 0.041 χ^2 /NDF:1465508.0/13

+ sign 210.556 $\pm$ 0.036 χ^2 /NDF: 2128498.1/32

All: 190.845 $\pm$ 0.024 χ^2 /NDF: 5690511.3/65

- sign 175.847 $\pm$ 0.032 χ^2 /NDF: 3037915.3/32

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 $\chi^2/\text{NDF}: 7.0/16$

Left Out: 33.487 ± 66.597 $\chi^2/\text{NDF}: 3.4/15$

Right Out: -12.094 ± 70.361 $\chi^2/\text{NDF}: 5.8/18$

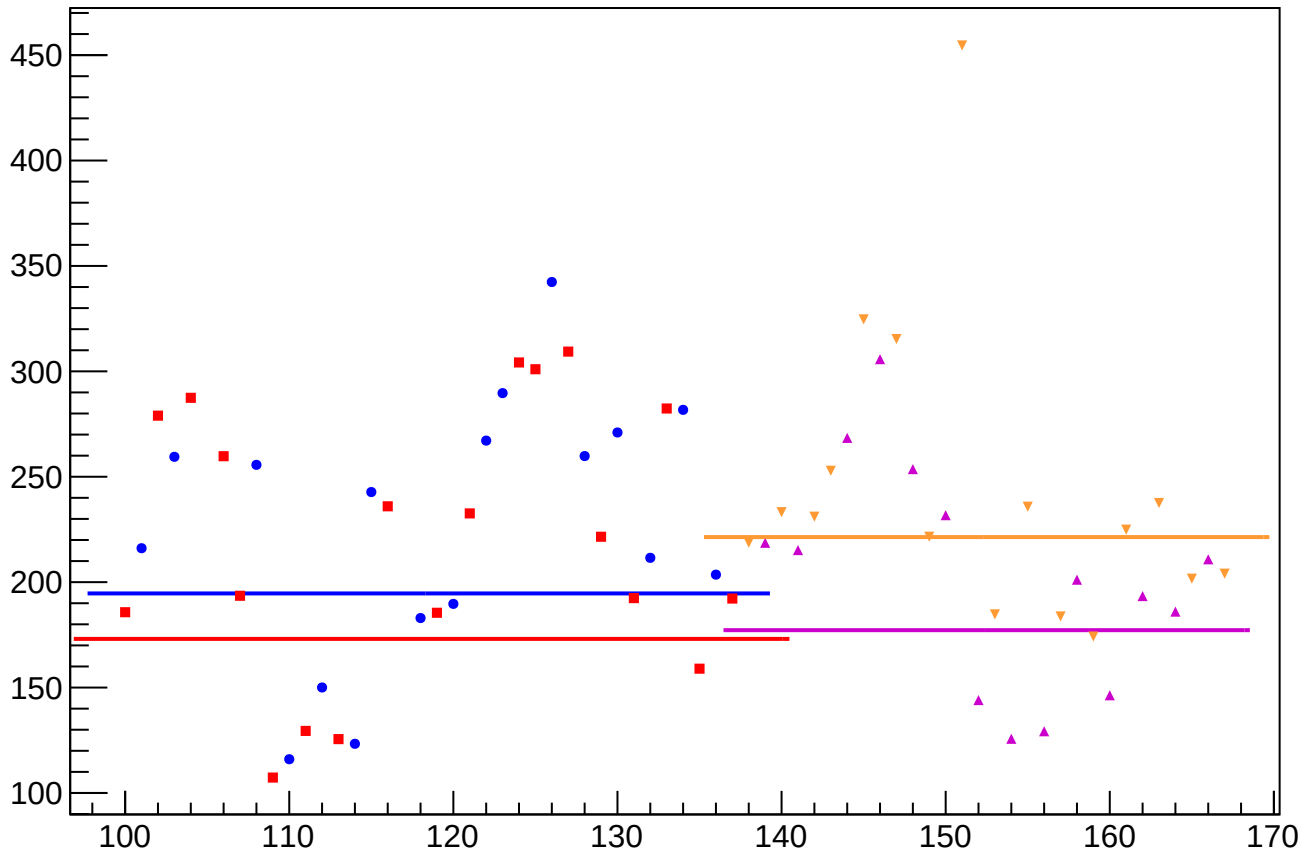
Left In: -48.217 ± 57.418 $\chi^2/\text{NDF}: 4.8/13$

+ sign 46.391 ± 51.025 $\chi^2/\text{NDF}: 10.5/32$

All: 0.844 ± 33.531 $\chi^2/\text{NDF}: 22.7/65$

- sign -33.777 ± 44.485 $\chi^2/\text{NDF}: 10.8/32$

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

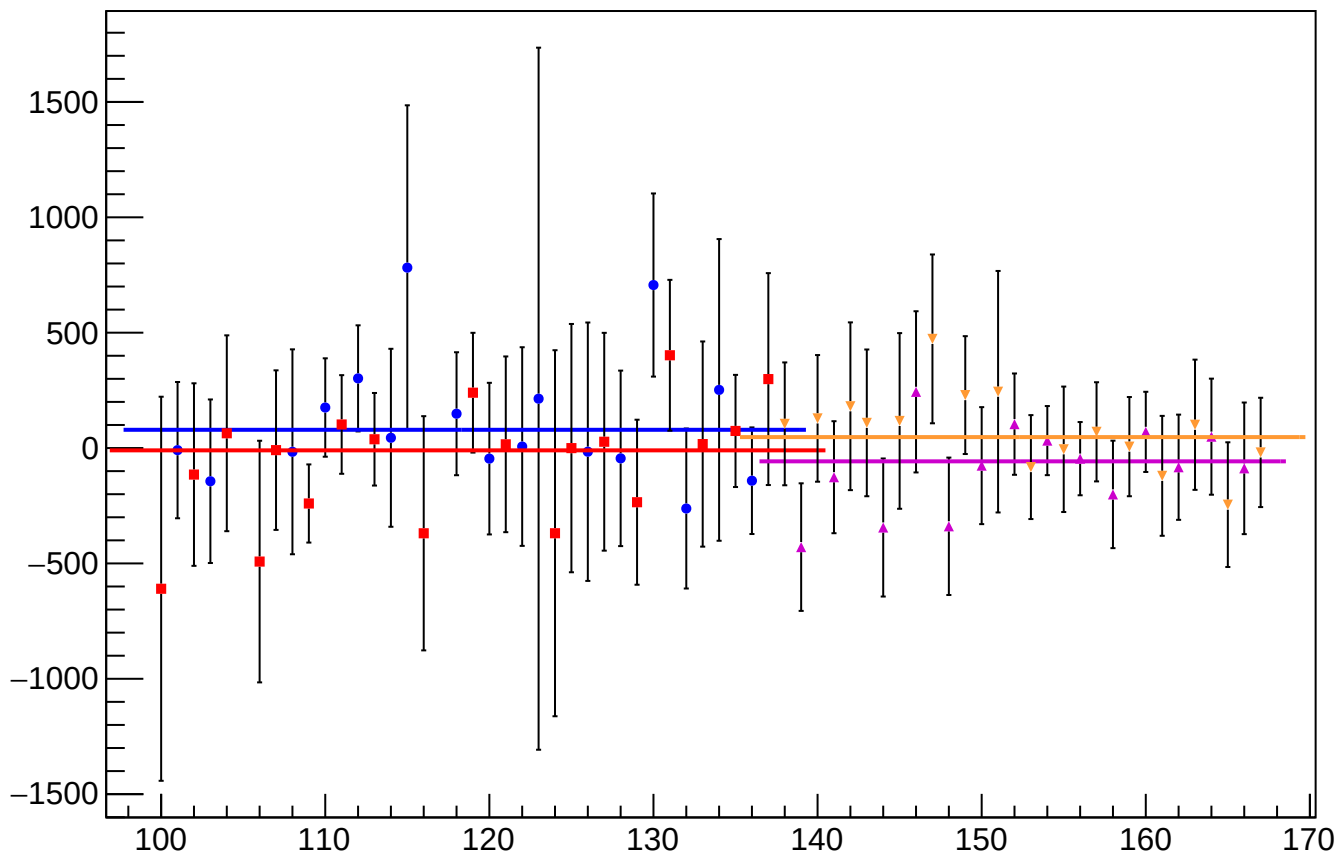
Left In: 177.225 $\pm$ 0.041 χ^2 /NDF: 1469000.3/13

+ sign 210.344 $\pm$ 0.036 χ^2 /NDF: 2102270.3/32

All: 190.588 $\pm$ 0.024 χ^2 /NDF: 5647685.6/65

- sign 175.572 $\pm$ 0.031 χ^2 /NDF: 3017690.0/32

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

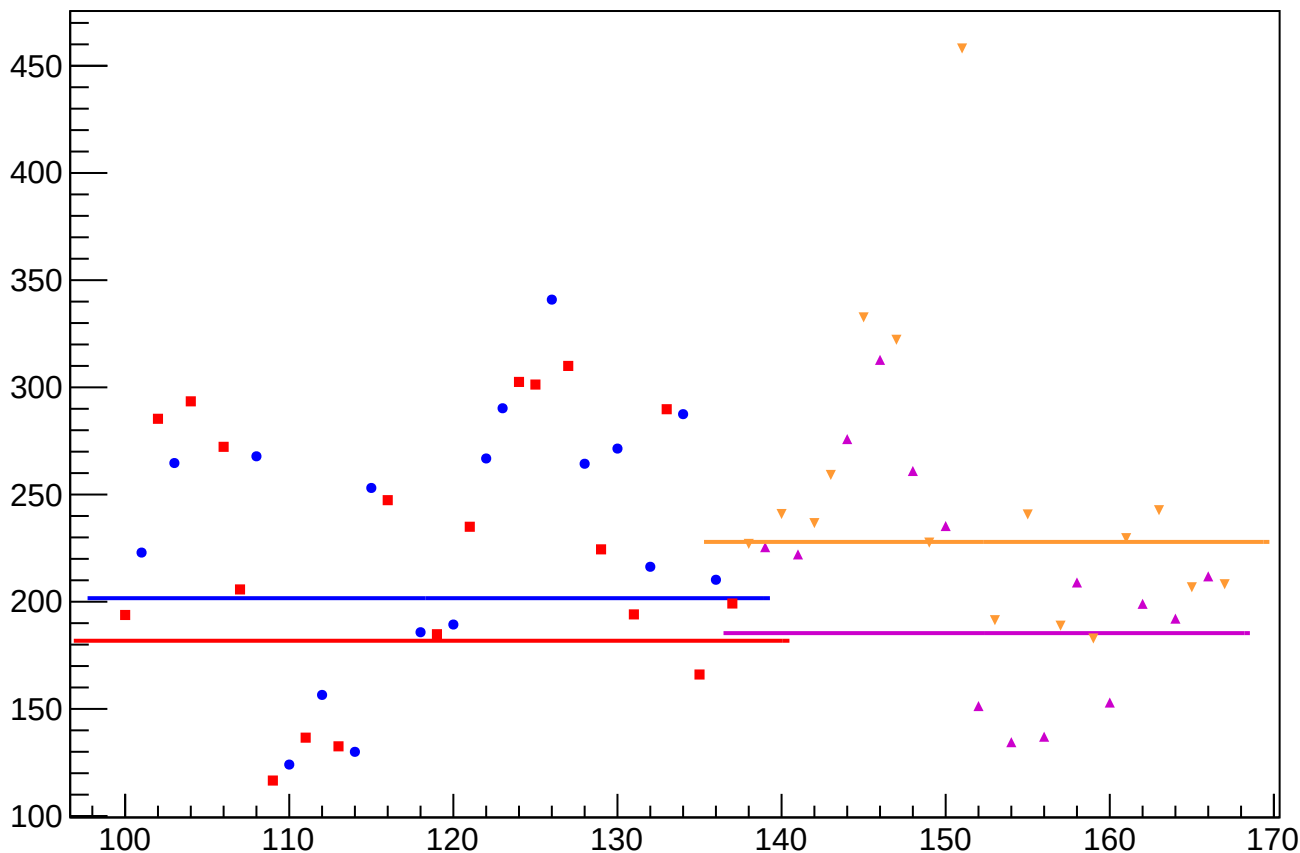
Left In: -57.600+/-59.739 χ^2/NDF : 6.5/13

+ sign 60.493+/-52.501 χ^2/NDF : 12.1/32

All: 4.763+/-34.730 χ^2/NDF : 28.7/65

- sign -38.598+/-46.310 χ^2/NDF : 14.6/32

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

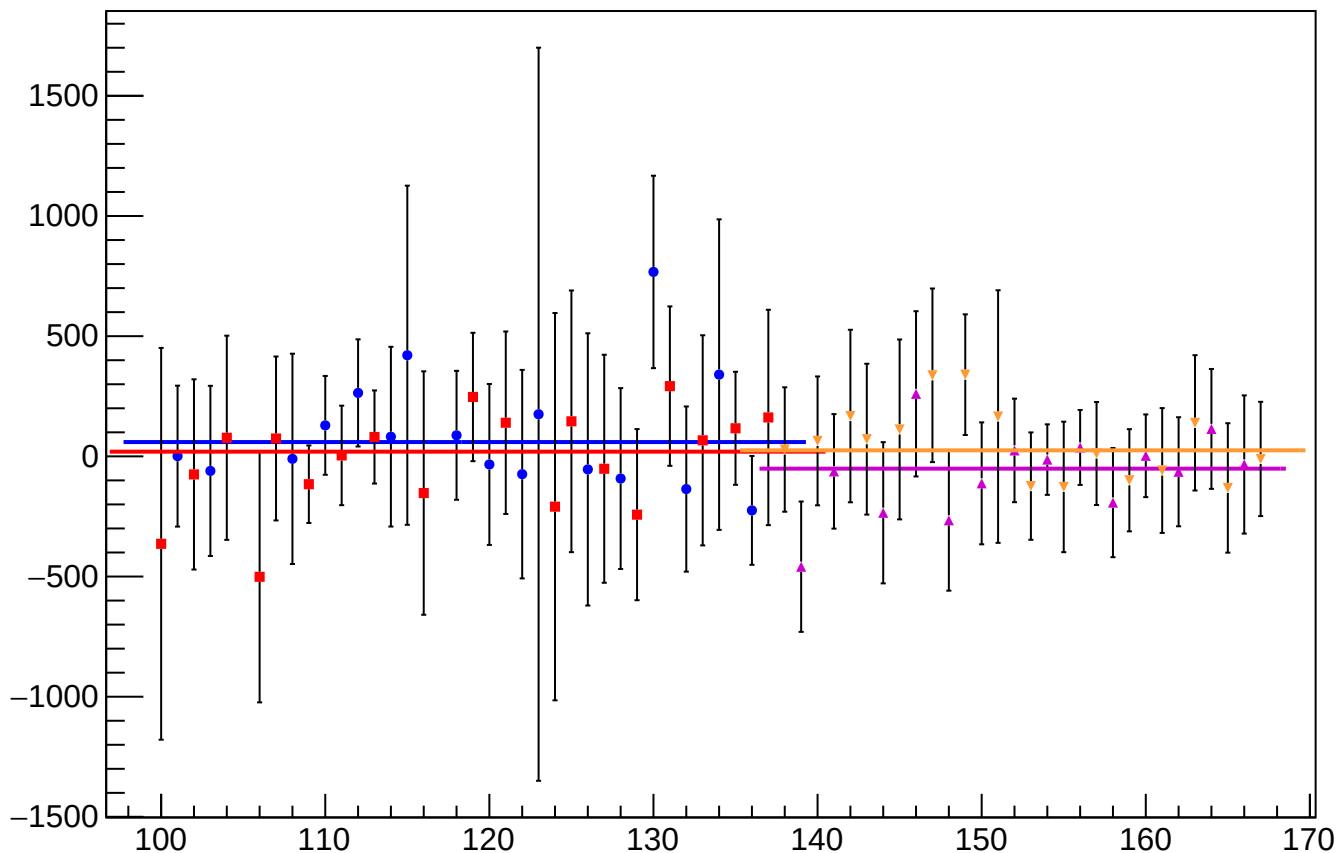
Left In: 185.356 $\pm$ 0.042 χ^2 /NDF: 1324177.5/13

+ sign 217.111 $\pm$ 0.037 χ^2 /NDF: 1943043.0/32

All: 198.453 $\pm$ 0.025 χ^2 /NDF: 5096617.3/65

- sign 183.936 $\pm$ 0.033 χ^2 /NDF: 2704460.2/32

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

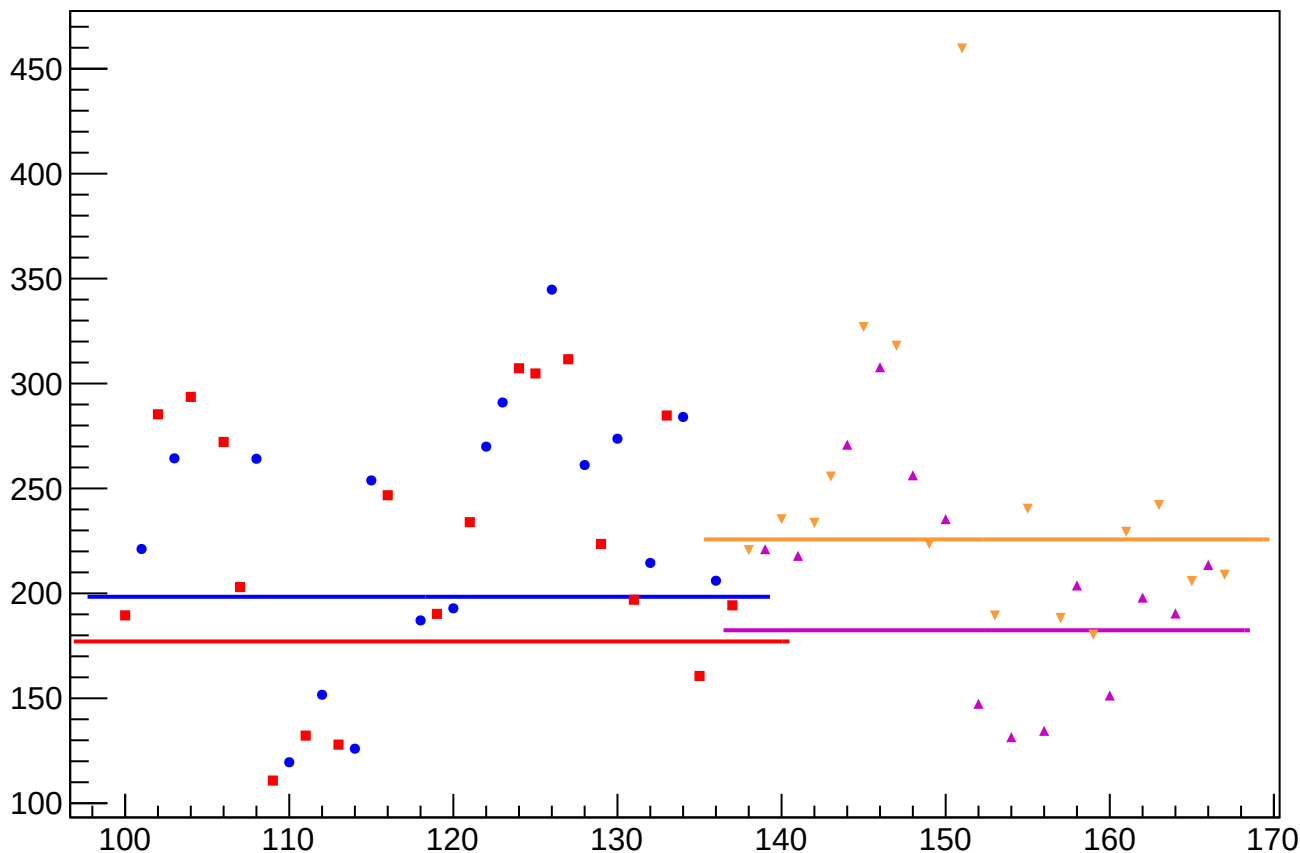
Left In: -51.134 $\pm$ 58.883 χ^2 /NDF: 5.5/13

+ sign 39.315 $\pm$ 51.939 χ^2 /NDF: 11.5/32

All: 4.233 $\pm$ 34.245 χ^2 /NDF: 23.1/65

- sign -22.746 $\pm$ 45.547 χ^2 /NDF: 10.8/32

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 ± 0.057 χ^2/NDF : 963672.6/16

Left Out: 225.734 ± 0.048 χ^2/NDF : 934967.9/15

Right Out: 177.096 ± 0.051 χ^2/NDF : 1524763.6/18

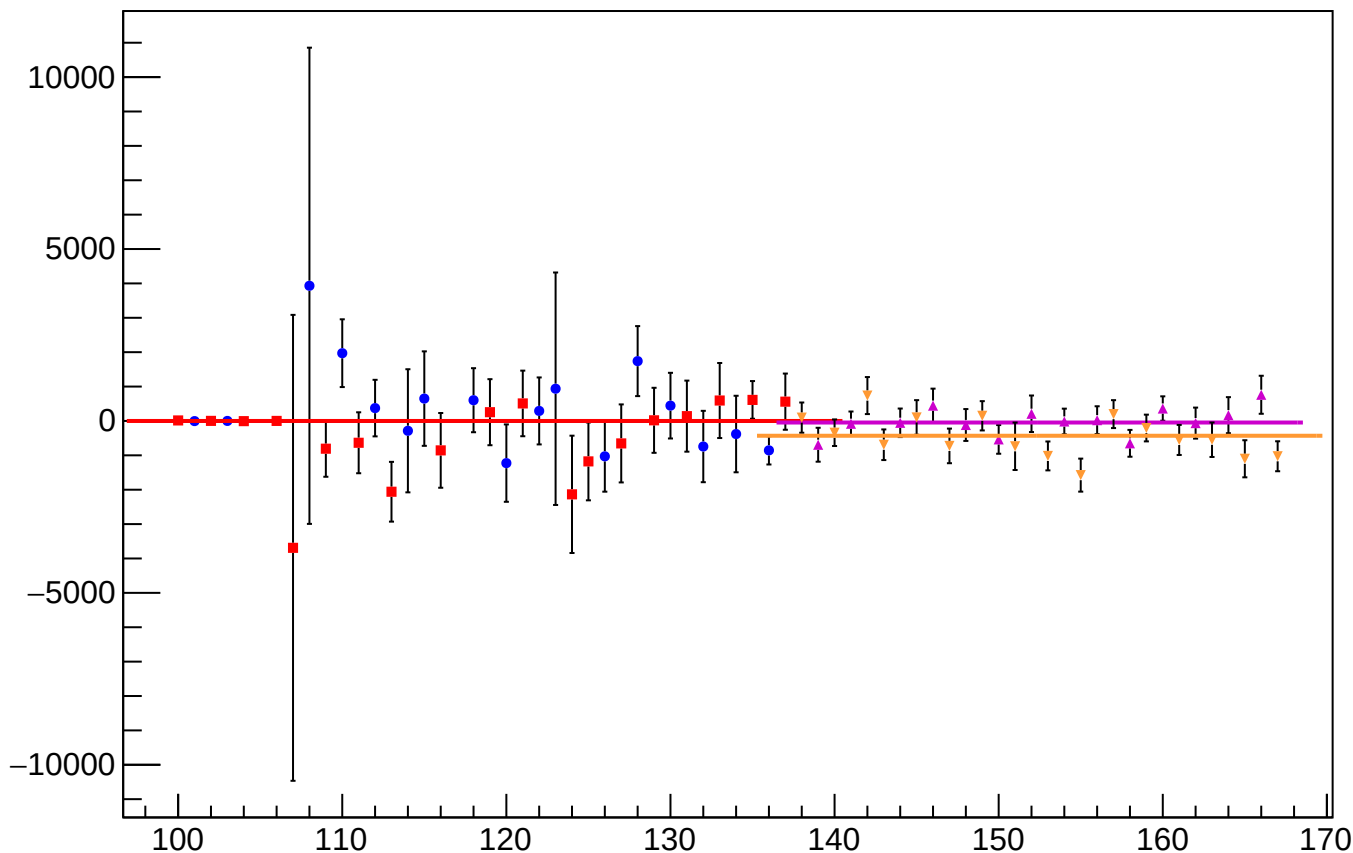
Left In: 182.422 ± 0.042 χ^2/NDF : 1347491.9/13

+ sign 214.433 ± 0.037 χ^2/NDF : 2033151.3/32

All: 195.128 ± 0.024 χ^2/NDF : 5400731.7/65

- sign 180.283 ± 0.032 χ^2/NDF : 2878828.9/32

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

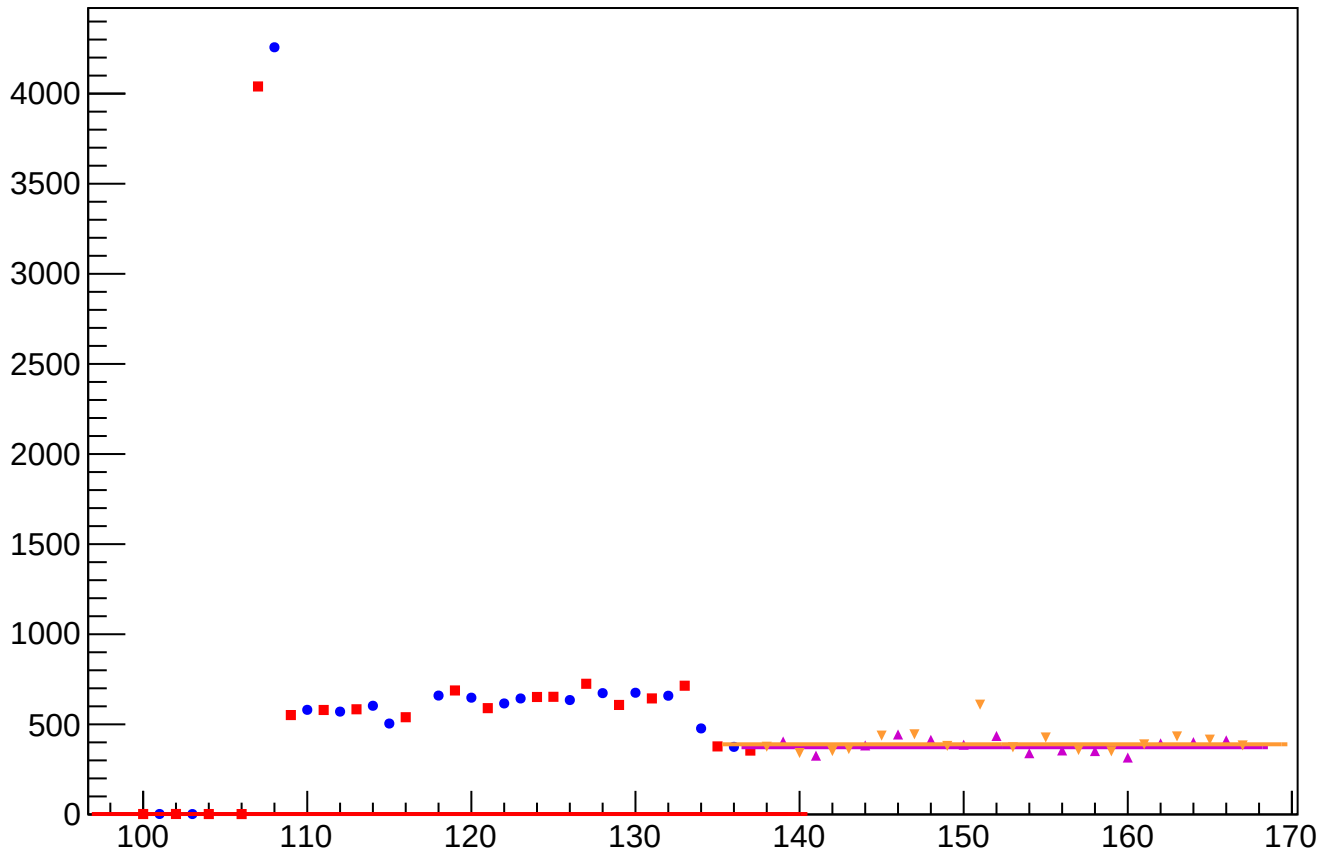
Left In: -45.890 ± 115.096 χ^2/NDF : 10.4/13

+ sign -1.696 ± 2.251 χ^2/NDF : 55.0/32

All: -1.188 ± 1.540 χ^2/NDF : 85.0/65

- sign -0.742 ± 2.111 χ^2/NDF : 29.9/32

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

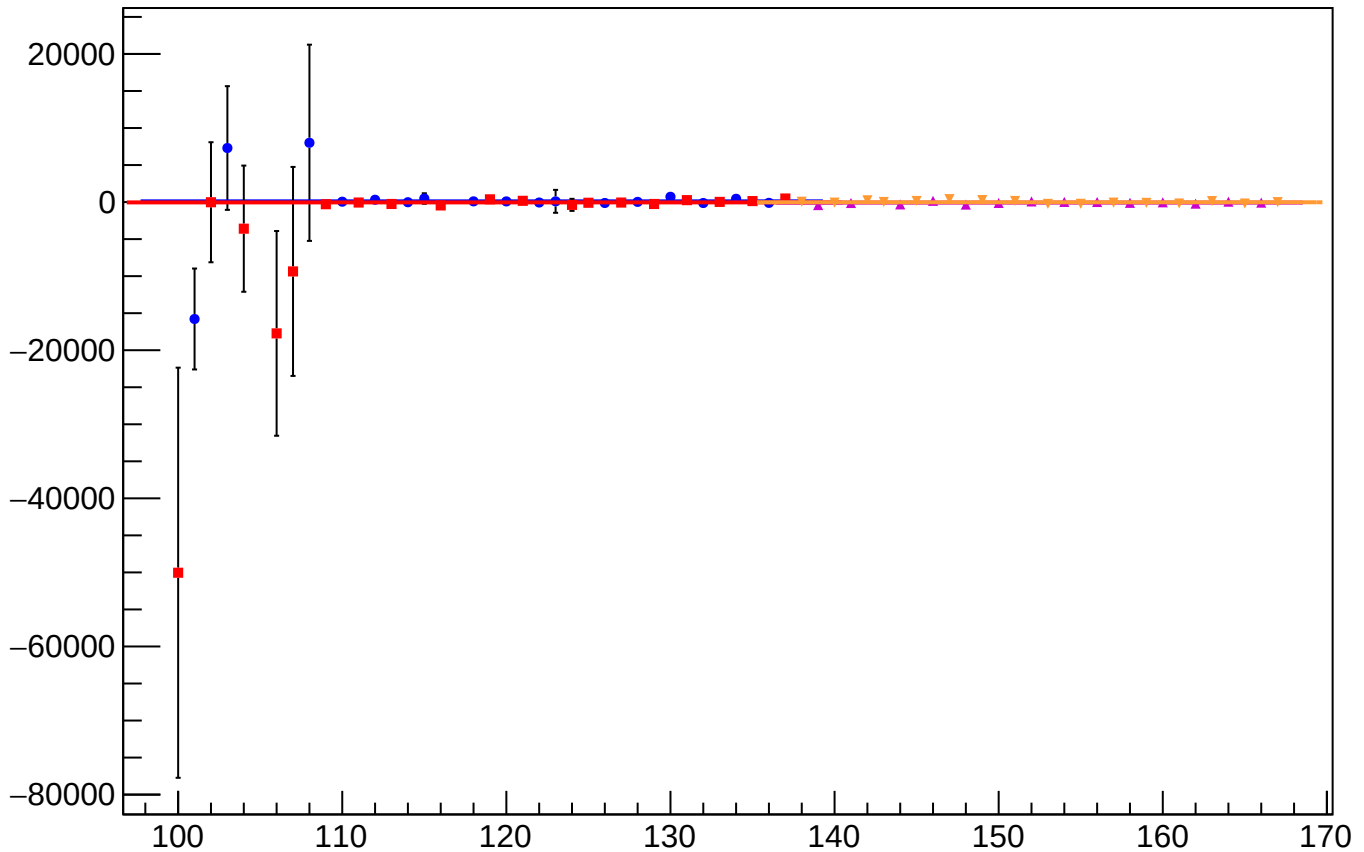
Left In: 373.065+/-0.081 χ^2/NDF : 228252.8/13

+ sign 2.607+/-0.002 χ^2/NDF : 34102086.4/32

All: 2.583+/-0.001 χ^2/NDF : 66210095.2/65

- sign 2.561+/-0.001 χ^2/NDF : 32107579.6/32

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

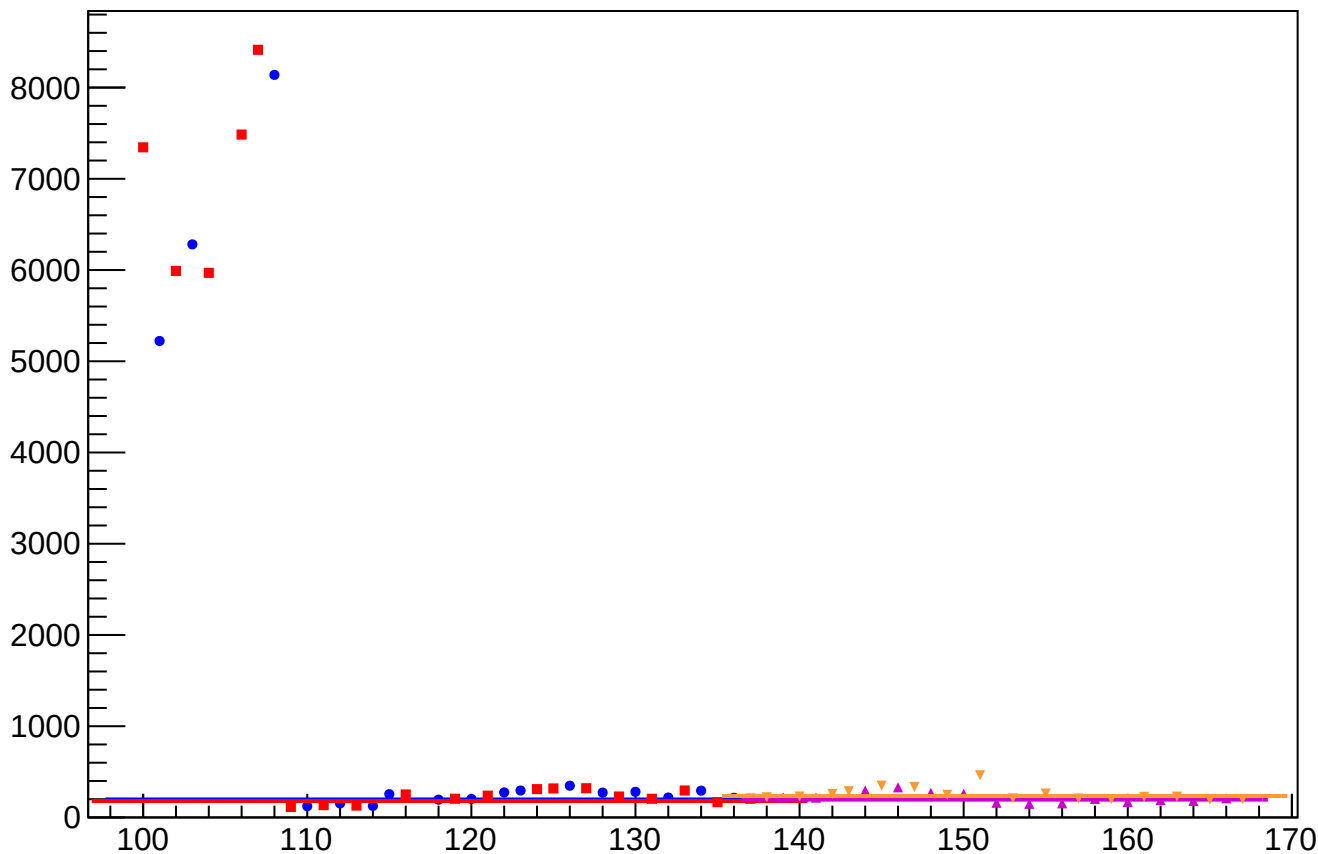
Left In: -72.601+/-62.545 χ^2/NDF : 5.1/13

+ sign 20.743+/-55.656 χ^2/NDF : 19.0/32

All: -24.756+/-37.306 χ^2/NDF : 39.3/65

- sign -61.876+/-50.271 χ^2/NDF : 19.1/32

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

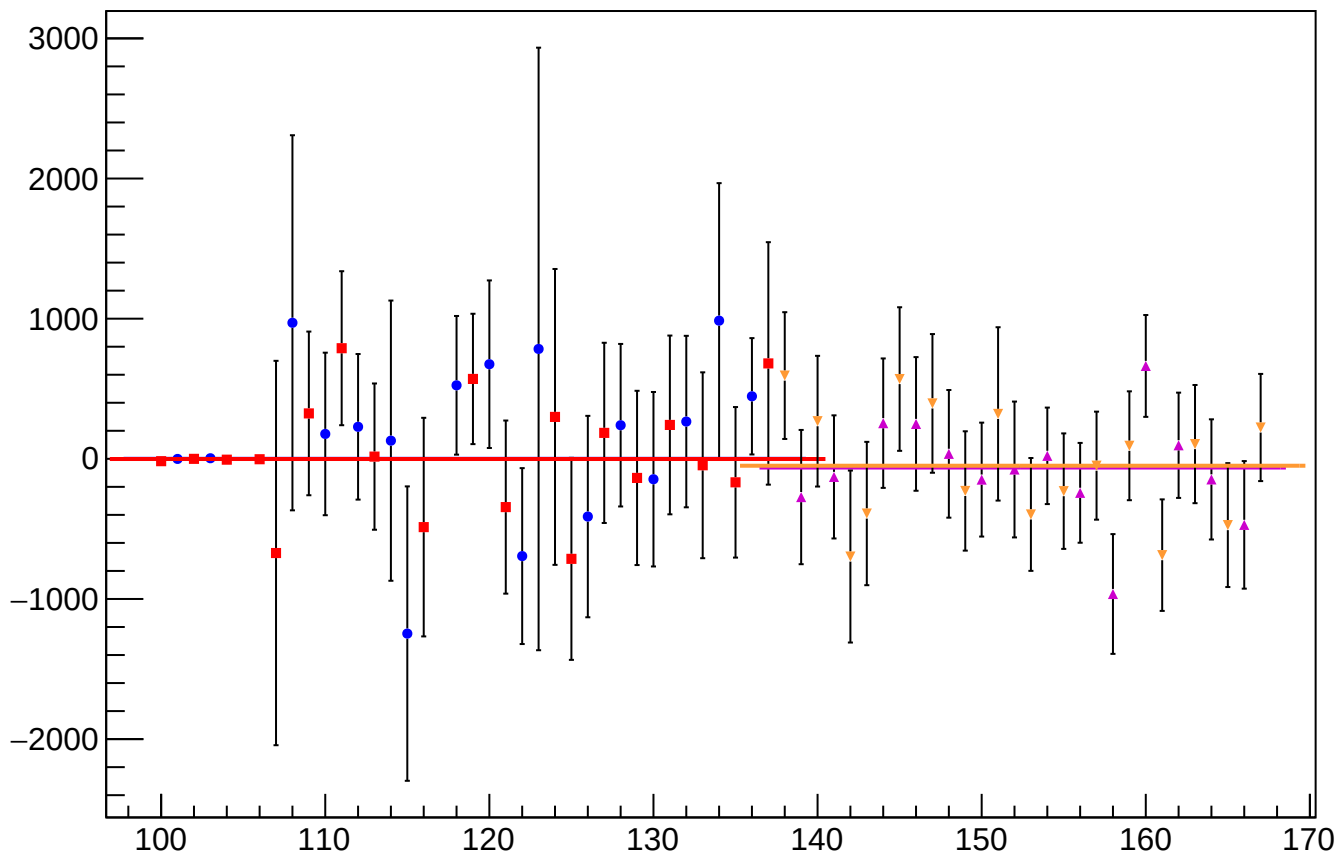
Left In: 195.575 $\pm$ 0.044 χ^2 /NDF: 1063008.9/13

+ sign 220.685 $\pm$ 0.039 χ^2 /NDF: 4844141.4/32

All: 203.811 $\pm$ 0.026 χ^2 /NDF: 10606329.9/65

- sign 190.044 $\pm$ 0.036 χ^2 /NDF: 5428369.0/32

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

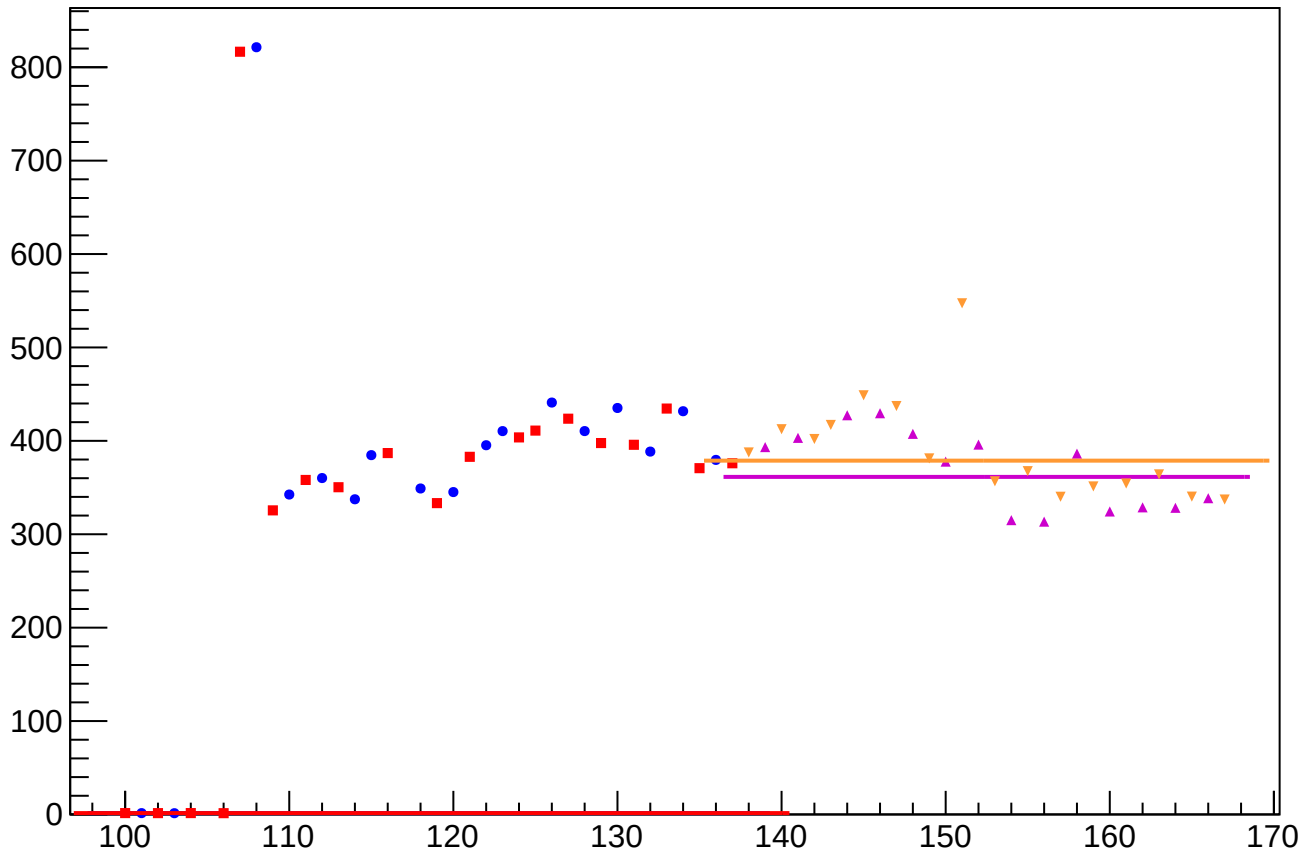
Left In: -62.195 ± 111.462 χ^2/NDF : 11.0/13

+ sign -0.150 ± 1.736 χ^2/NDF : 22.0/32

All: -0.783 ± 1.185 χ^2/NDF : 43.1/65

- sign -1.336 ± 1.622 χ^2/NDF : 20.9/32

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

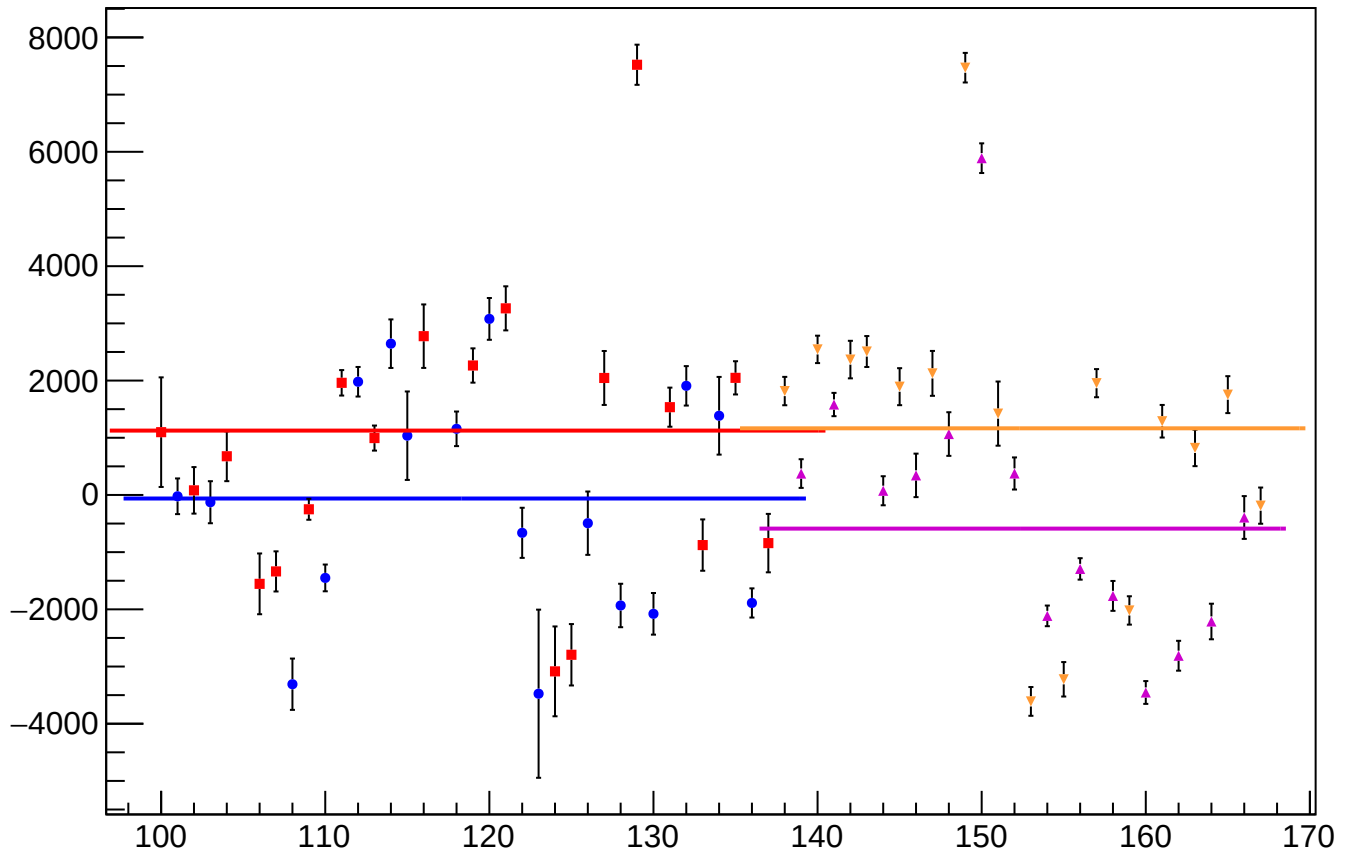
Left In: 361.407+/-0.079 χ^2/NDF : 274515.4/13

+ sign 1.545+/-0.001 χ^2/NDF : 34433821.1/32

All: 1.536+/-0.001 χ^2/NDF : 66442756.9/65

- sign 1.527+/-0.001 χ^2/NDF : 32008820.8/32

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

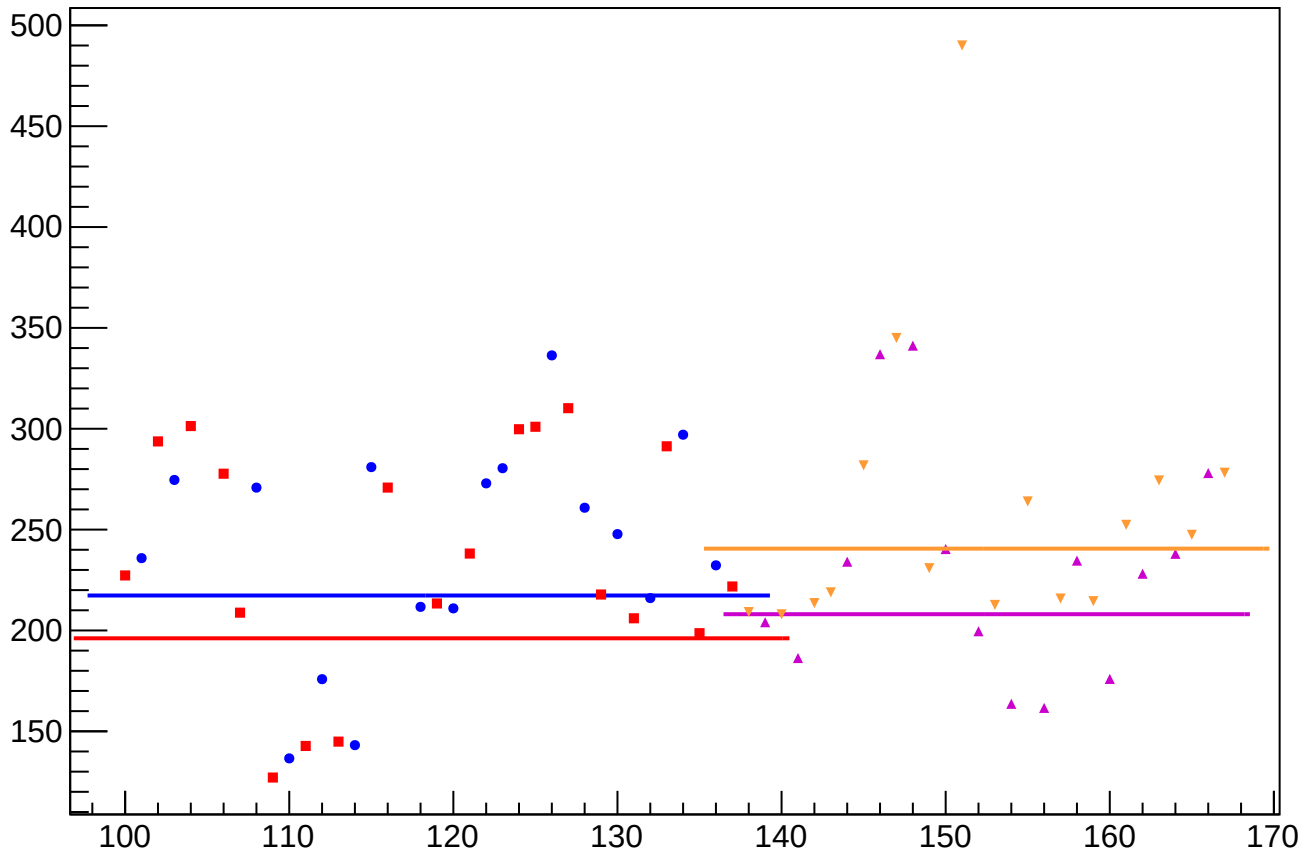
Left In: -588.405 ± 66.240 χ^2/NDF : 1207.0/13

+ sign 667.934 ± 55.646 χ^2/NDF : 2005.4/32

All: 371.104 ± 37.433 χ^2/NDF : 4214.5/65

- sign 125.767 ± 50.590 χ^2/NDF : 2157.2/32

asym_bcm0l02_rms vs Slug



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 240.562 $\pm$ 0.051 χ^2 /NDF:802029.0/15

Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

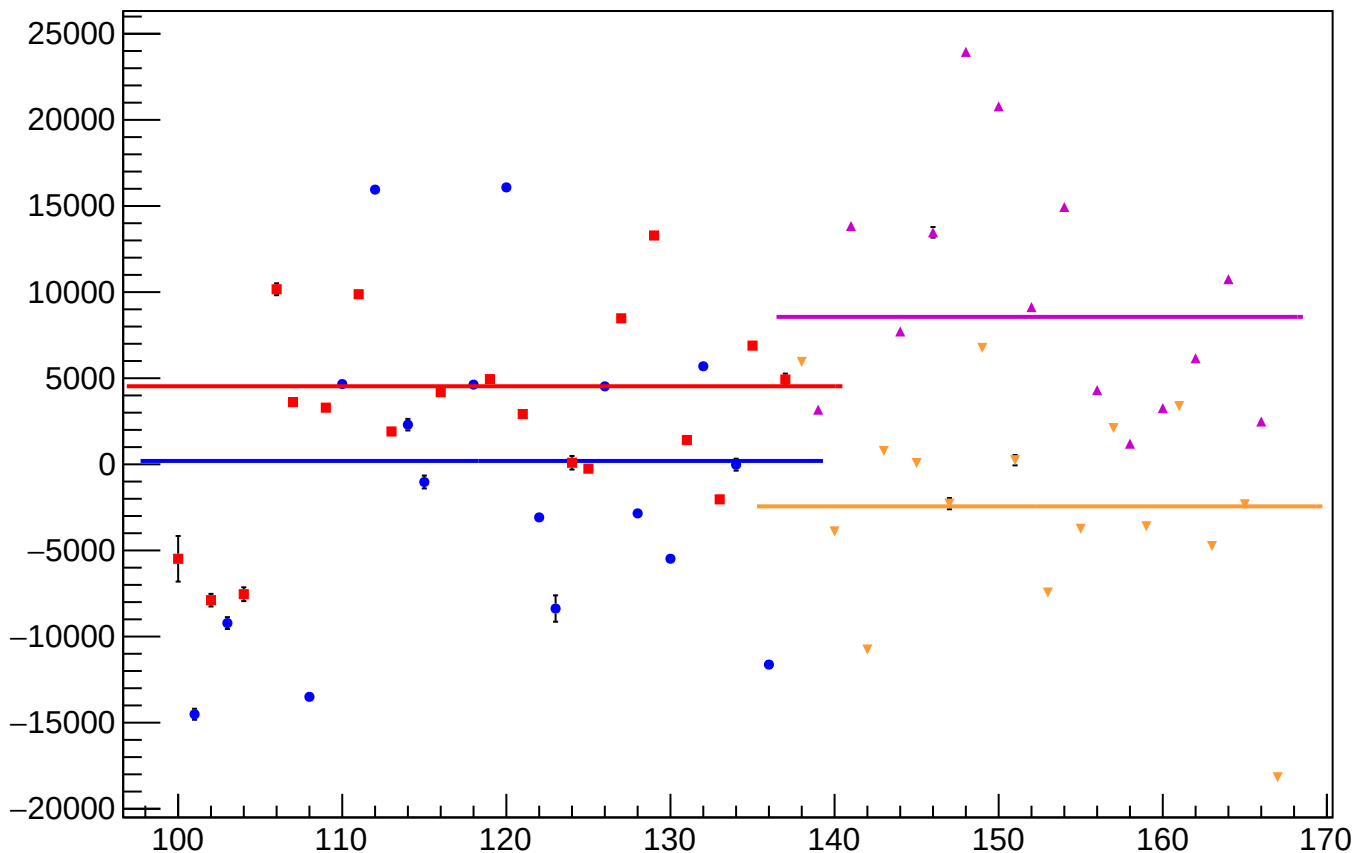
Left In: 208.056 $\pm$ 0.047 χ^2 /NDF:967127.1/13

+ sign 231.150 $\pm$ 0.039 χ^2 /NDF: 1538768.7/32

All: 215.780 $\pm$ 0.026 χ^2 /NDF: 4002459.0/65

- sign 203.076 $\pm$ 0.036 χ^2 /NDF: 2184985.9/32

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

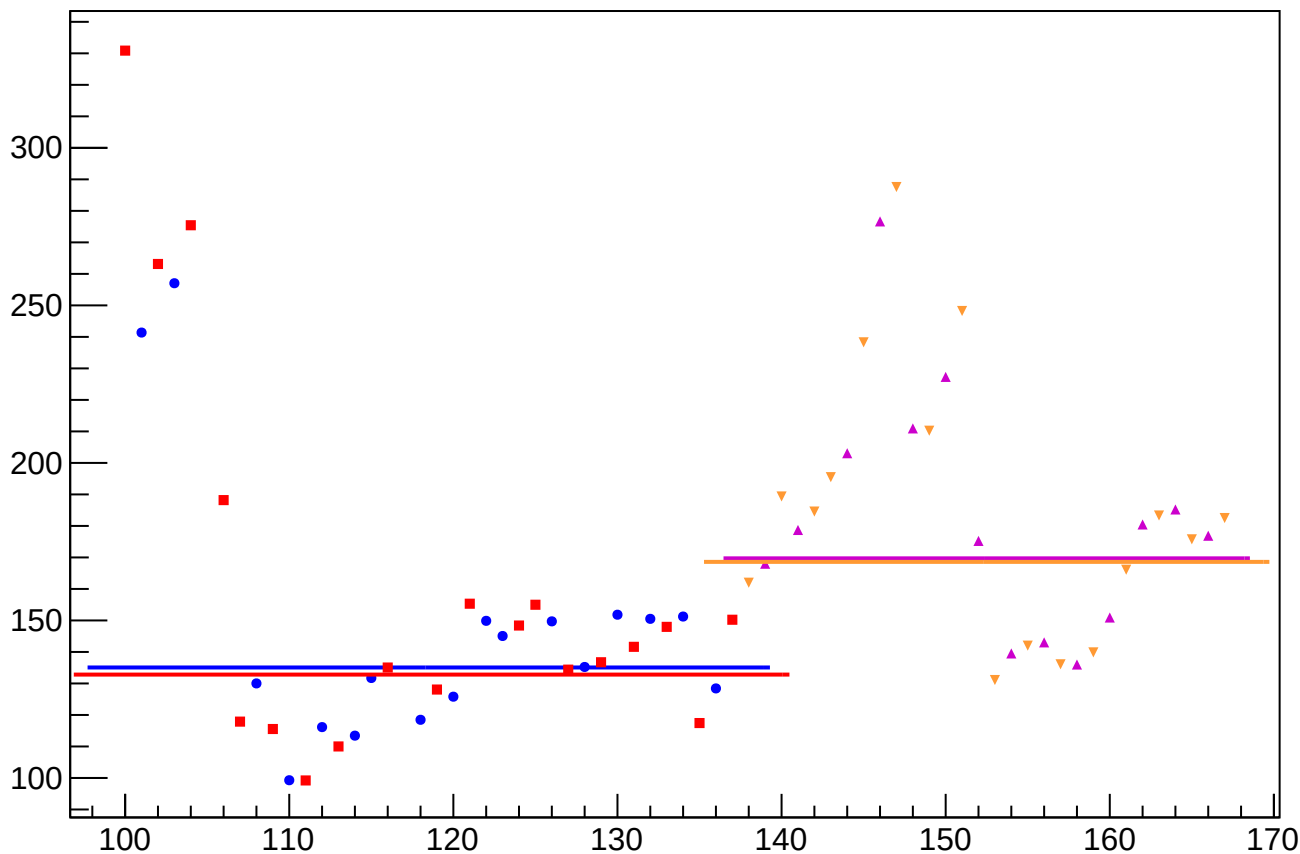
Left In: 8561.623 ± 53.501 χ^2/NDF : 14756.2/13

+ sign -1228.451 ± 37.146 χ^2/NDF : 45581.7/32

All: 2607.552 ± 26.376 χ^2/NDF : 92213.5/65

- sign 6508.393 ± 37.458 χ^2/NDF : 25122.4/32

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

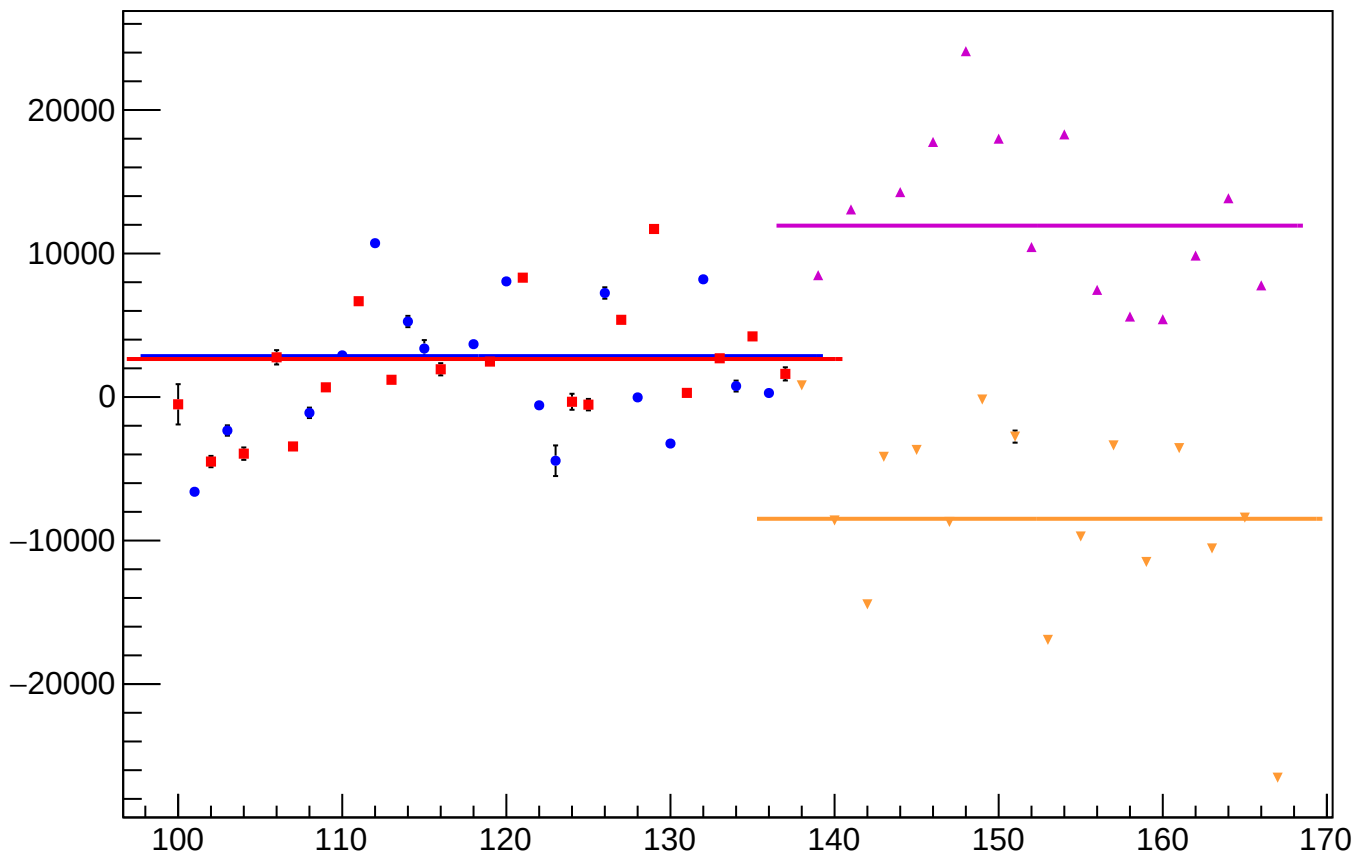
Left In: 169.710+/-0.038 χ^2/NDF :731116.7/13

+ sign 153.189+/-0.026 χ^2/NDF : 2076021.3/32

All: 152.055+/-0.019 χ^2/NDF : 4126956.1/65

- sign 150.901+/-0.026 χ^2/NDF : 2047173.3/32

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

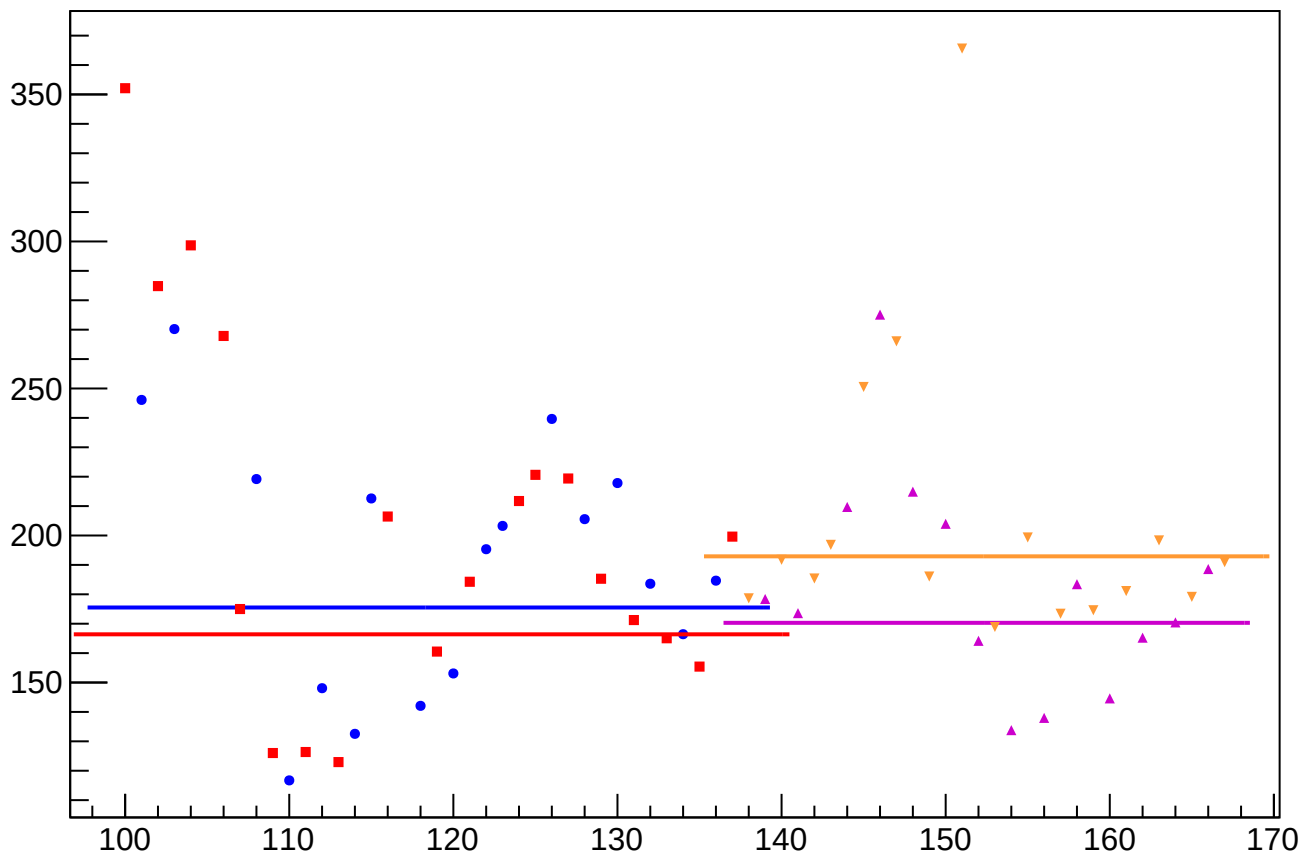
Left In: 11942.145+/-53.752 χ^2/NDF :9700.3/13

+ sign -3979.666+/-44.598 χ^2/NDF : 34742.9/32

All: 2541.421+/-30.424 χ^2/NDF : 99589.2/65

- sign 8218.081+/-41.610 χ^2/NDF : 24854.2/32

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

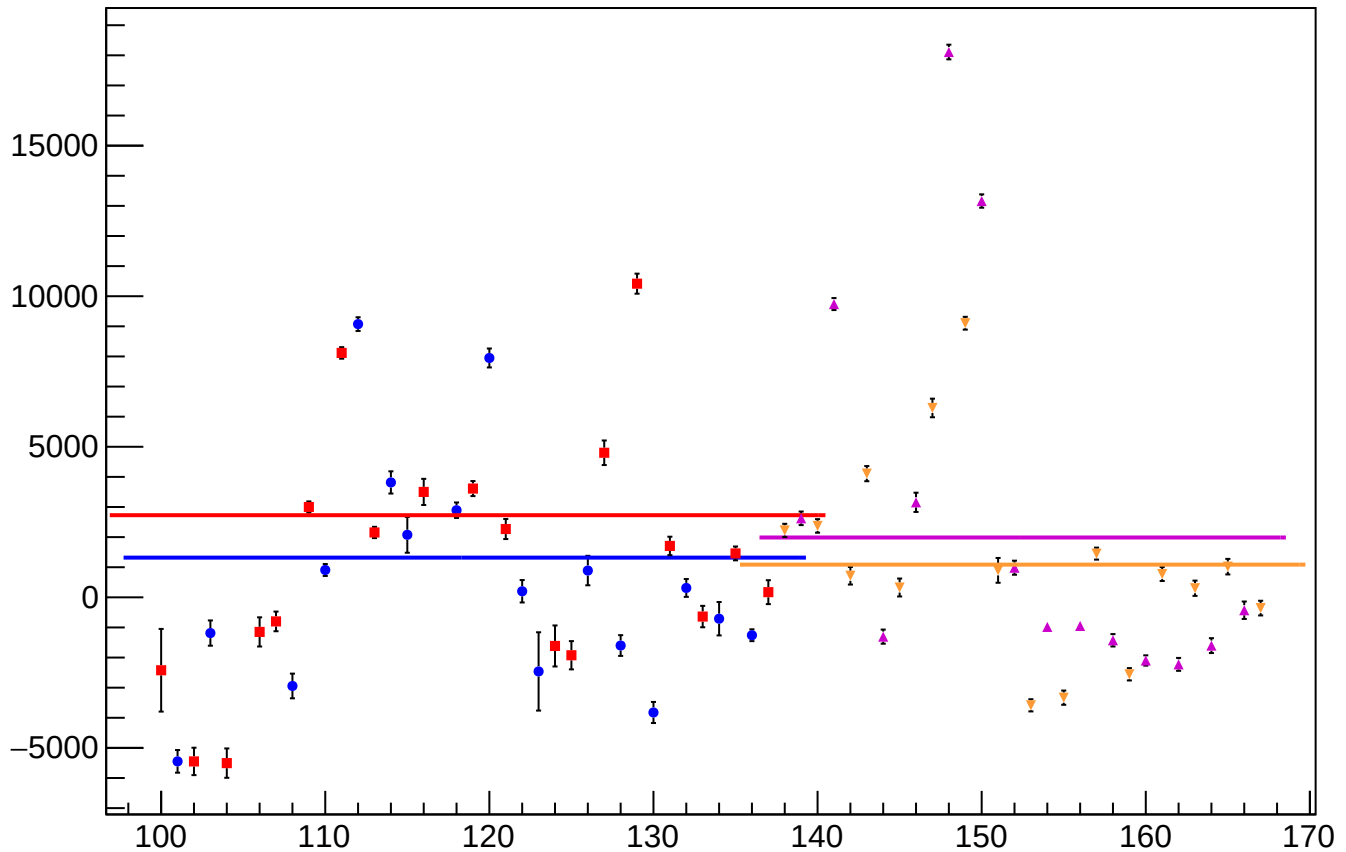
Left In: 170.300 $\pm$ 0.038 χ^2 /NDF: 686292.8/13

+ sign 185.999 $\pm$ 0.032 χ^2 /NDF: 1390588.3/32

All: 176.769 $\pm$ 0.022 χ^2 /NDF: 3170893.0/65

- sign 168.735 $\pm$ 0.029 χ^2 /NDF: 1620062.9/32

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 $\pm$ 77.146 χ^2 /NDF: 2667.0/16

Left Out: 1086.184 $\pm$ 60.371 χ^2 /NDF:3154.3/15

Right Out: 2727.798 $\pm$ 70.029 χ^2 /NDF: 2495.9/18

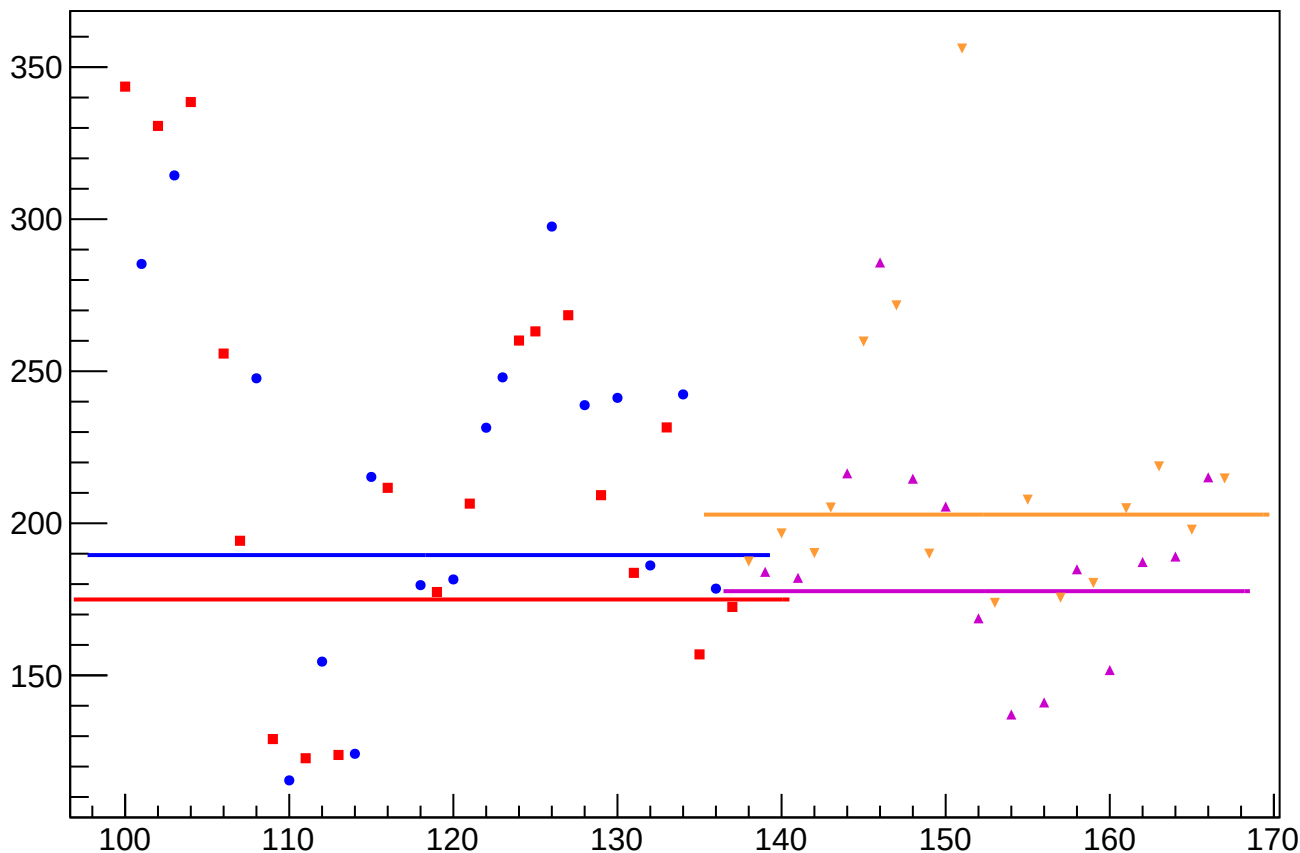
Left In: 1987.401 $\pm$ 56.136 χ^2 /NDF:10875.9/13

+ sign 1174.613 $\pm$ 47.544 χ^2 /NDF: 5826.9/32

All: 1770.931 $\pm$ 32.214 χ^2 /NDF: 19557.6/65

- sign 2277.044 $\pm$ 43.800 χ^2 /NDF: 13439.8/32

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 202.860+/-0.043 χ^2/NDF : 587933.9/15

Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

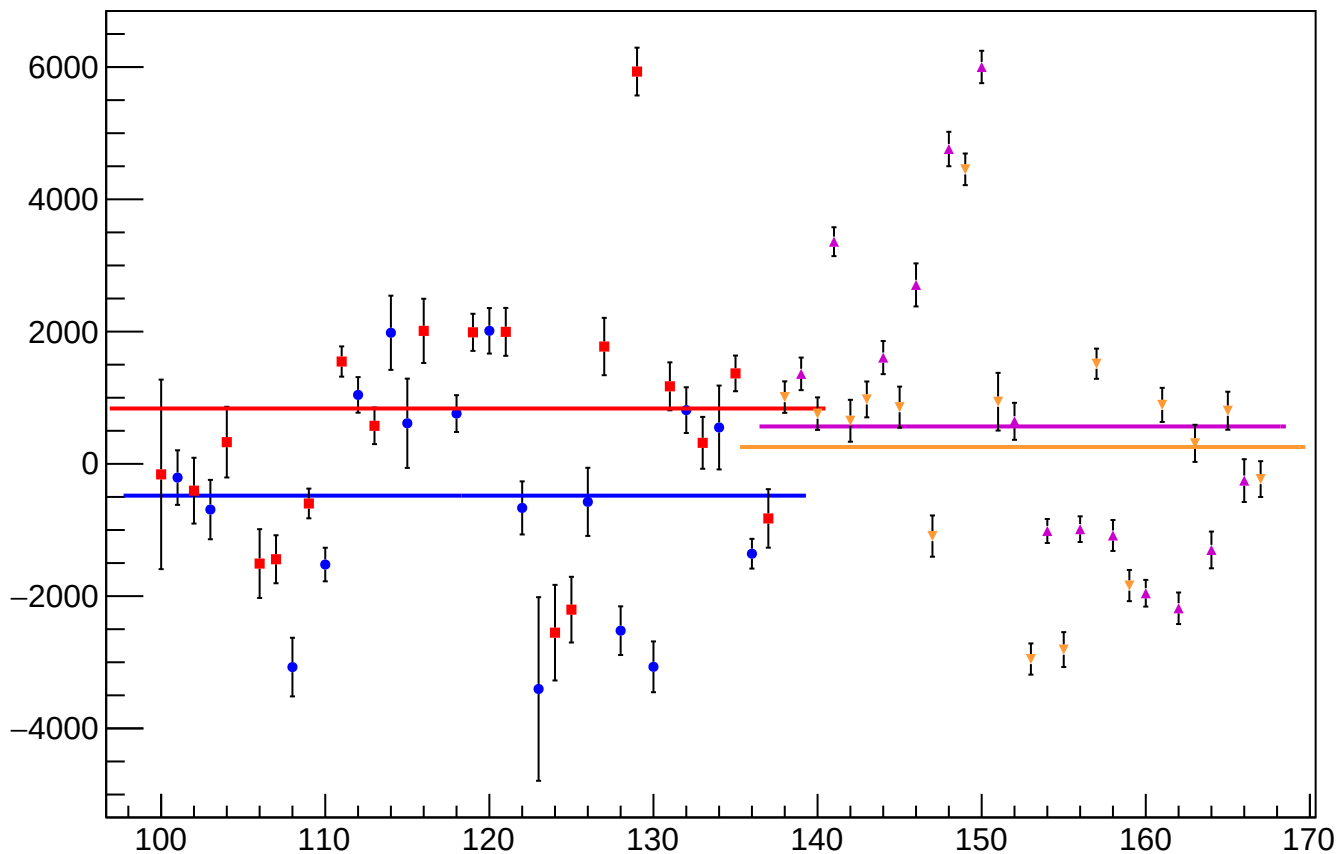
Left In: 177.677+/-0.040 χ^2/NDF : 700581.7/13

+ sign 197.803+/-0.034 χ^2/NDF : 1605631.4/32

All: 186.338+/-0.023 χ^2/NDF : 3820169.8/65

- sign 176.608+/-0.031 χ^2/NDF : 1999543.4/32

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

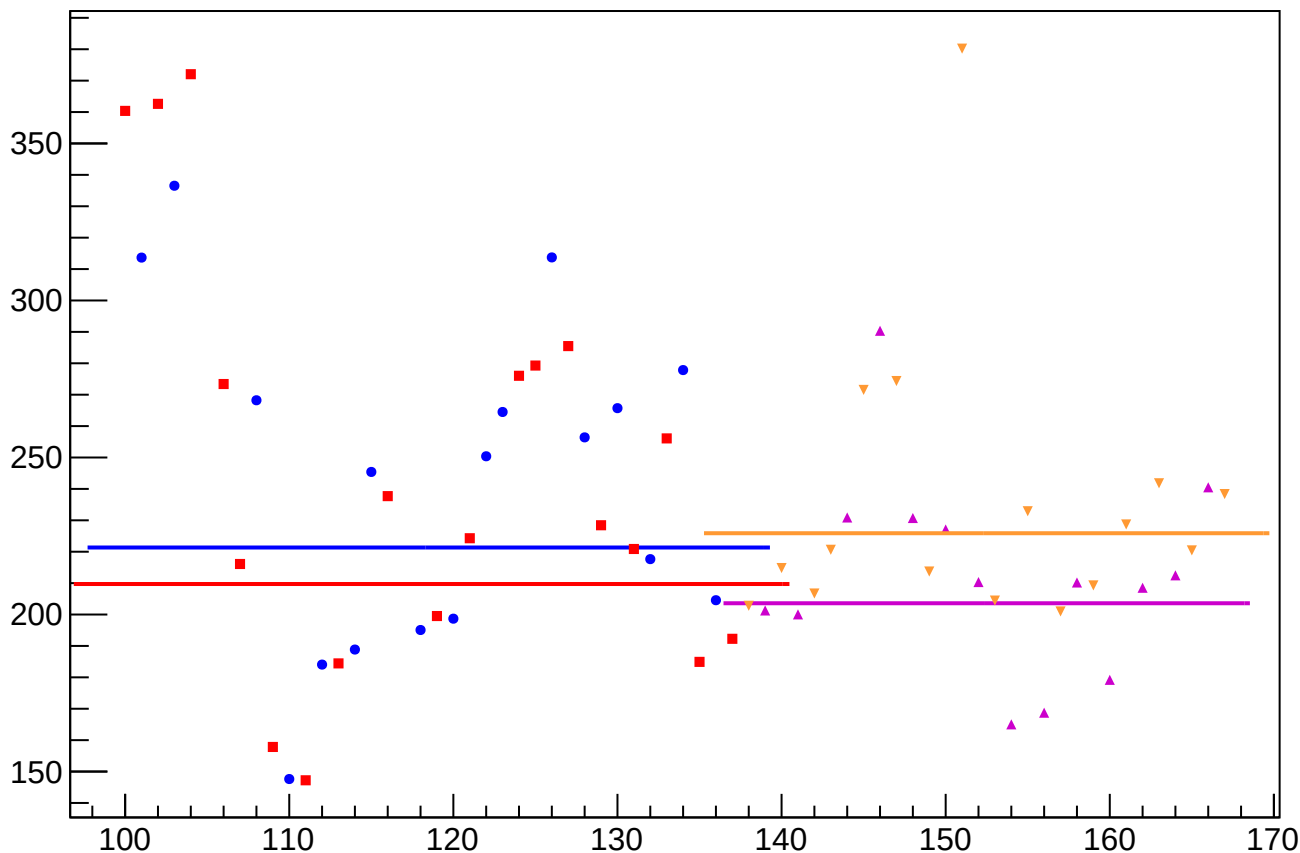
Left In: 565.851 ± 63.631 χ^2/NDF : 1516.8/13

+ sign -11.486 ± 53.351 χ^2/NDF : 1131.8/32

All: 347.819 ± 36.609 χ^2/NDF : 3176.5/65

- sign 667.549 ± 50.327 χ^2/NDF : 1958.9/32

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

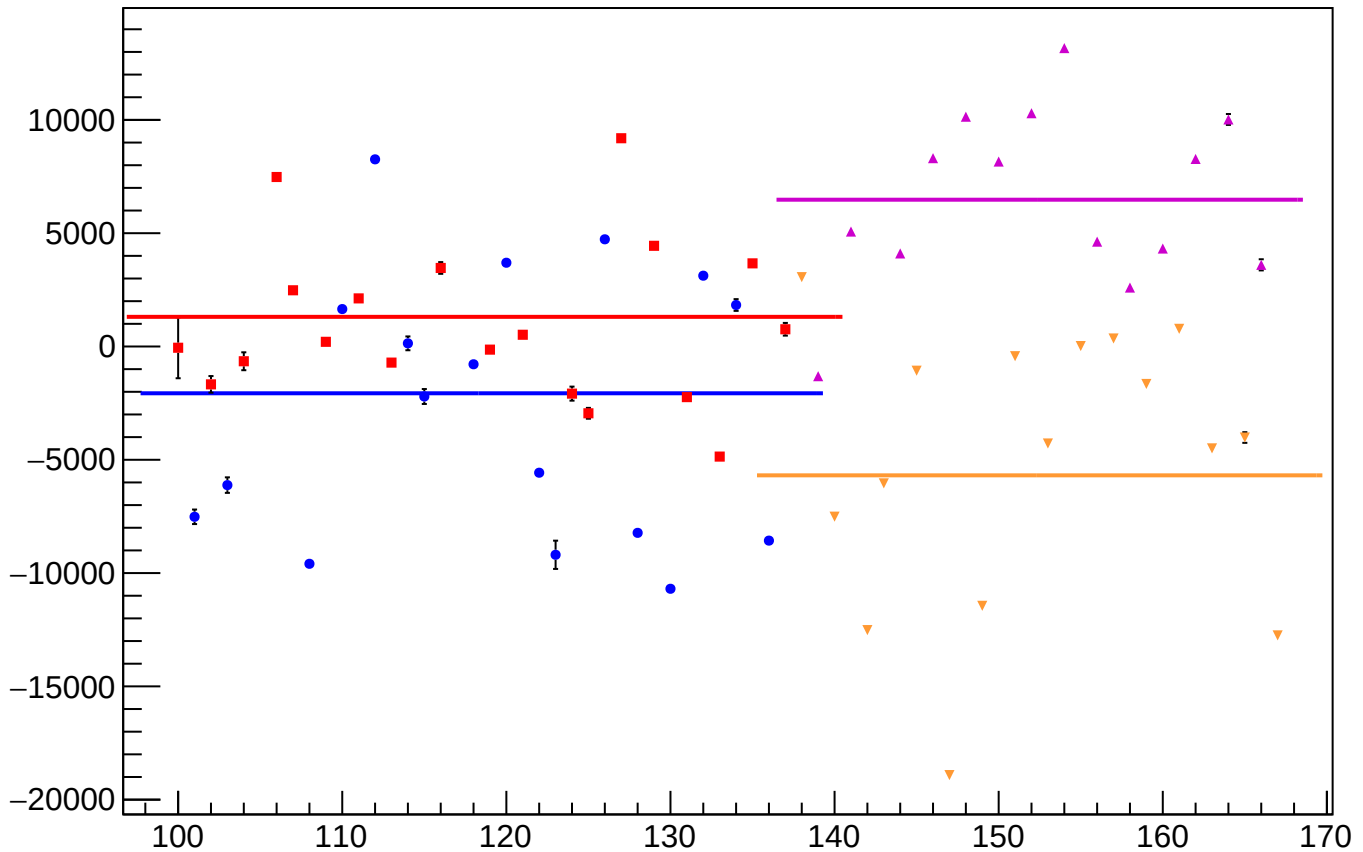
Left In: 203.590 $\pm$ 0.045 χ^2 /NDF: 422645.2/13

+ sign 224.241 $\pm$ 0.038 χ^2 /NDF: 1089982.4/32

All: 214.528 $\pm$ 0.026 χ^2 /NDF: 2528777.4/65

- sign 205.884 $\pm$ 0.036 χ^2 /NDF: 1313504.6/32

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -5686.485 ± 37.391 χ^2/NDF : 29316.8/15

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

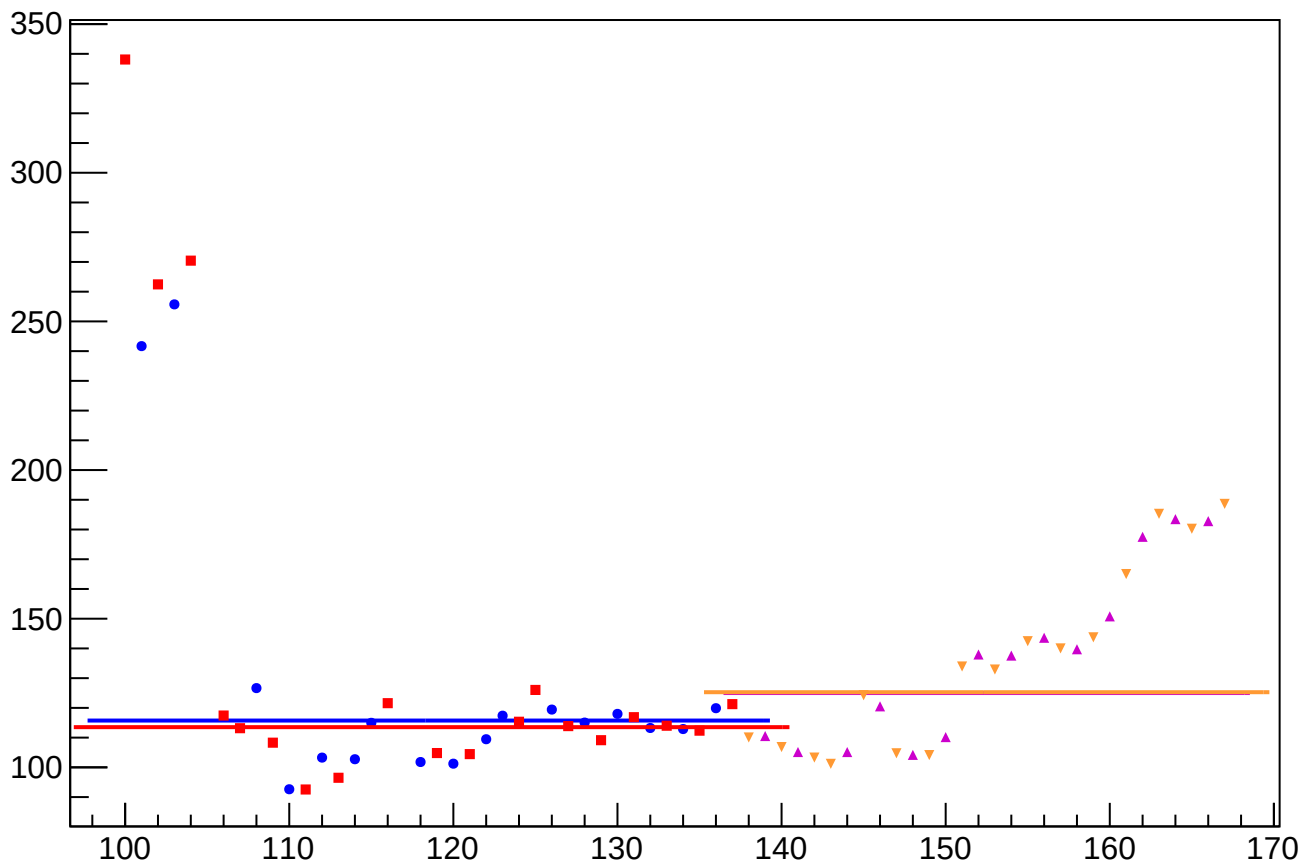
Left In: 6478.135 ± 38.921 χ^2/NDF : 9102.2/13

+ sign -4294.614 ± 29.338 χ^2/NDF : 49455.4/32

All: -28.956 ± 20.780 χ^2/NDF : 114426.9/65

- sign 4265.884 ± 29.438 χ^2/NDF : 22546.1/32

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 125.275+/-0.026 χ^2/NDF : 917634.8/15

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

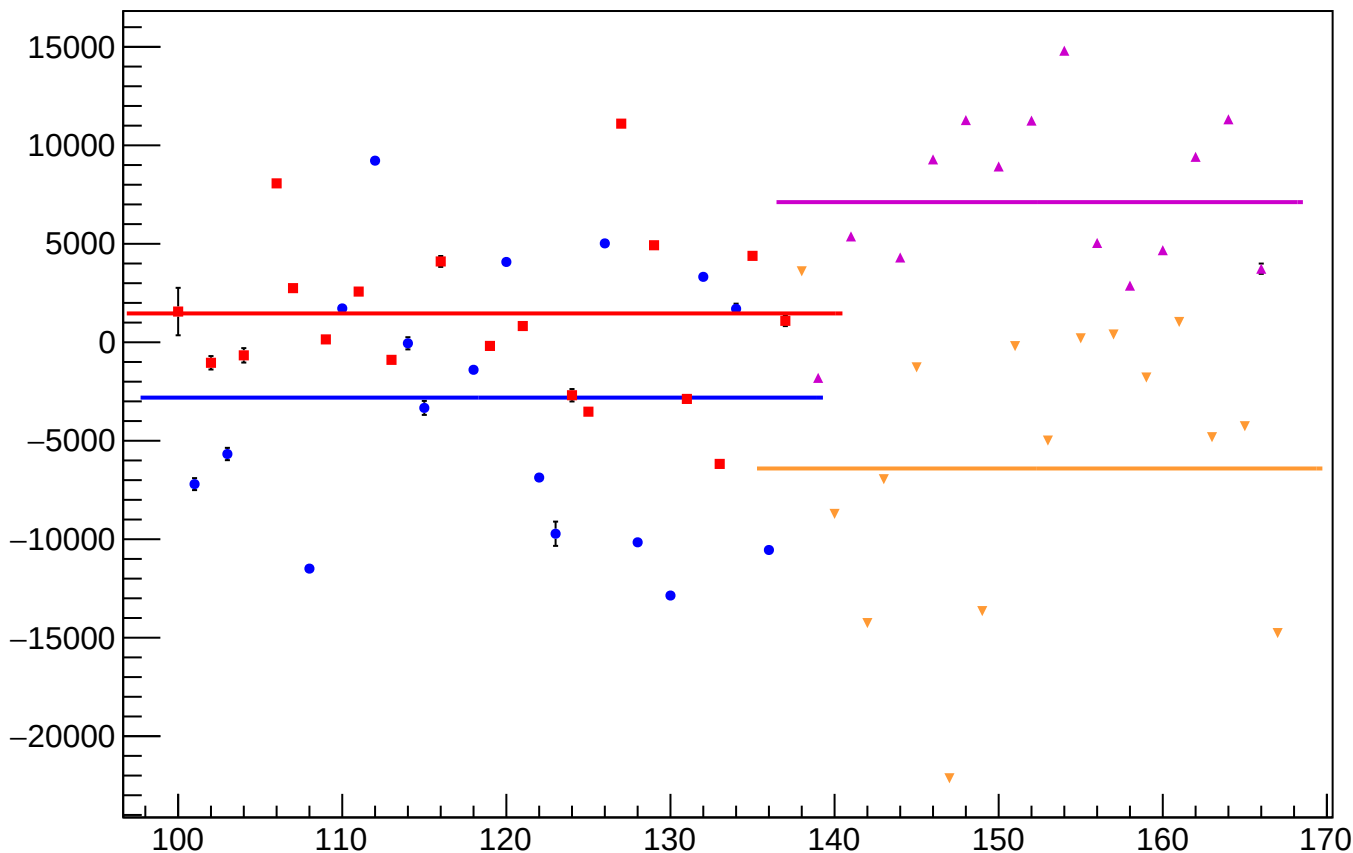
Left In: 124.997+/-0.028 χ^2/NDF : 718192.0/13

+ sign 121.611+/-0.021 χ^2/NDF : 1711640.7/32

All: 120.851+/-0.015 χ^2/NDF : 3303604.2/65

- sign 120.085+/-0.021 χ^2/NDF : 1589270.0/32

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

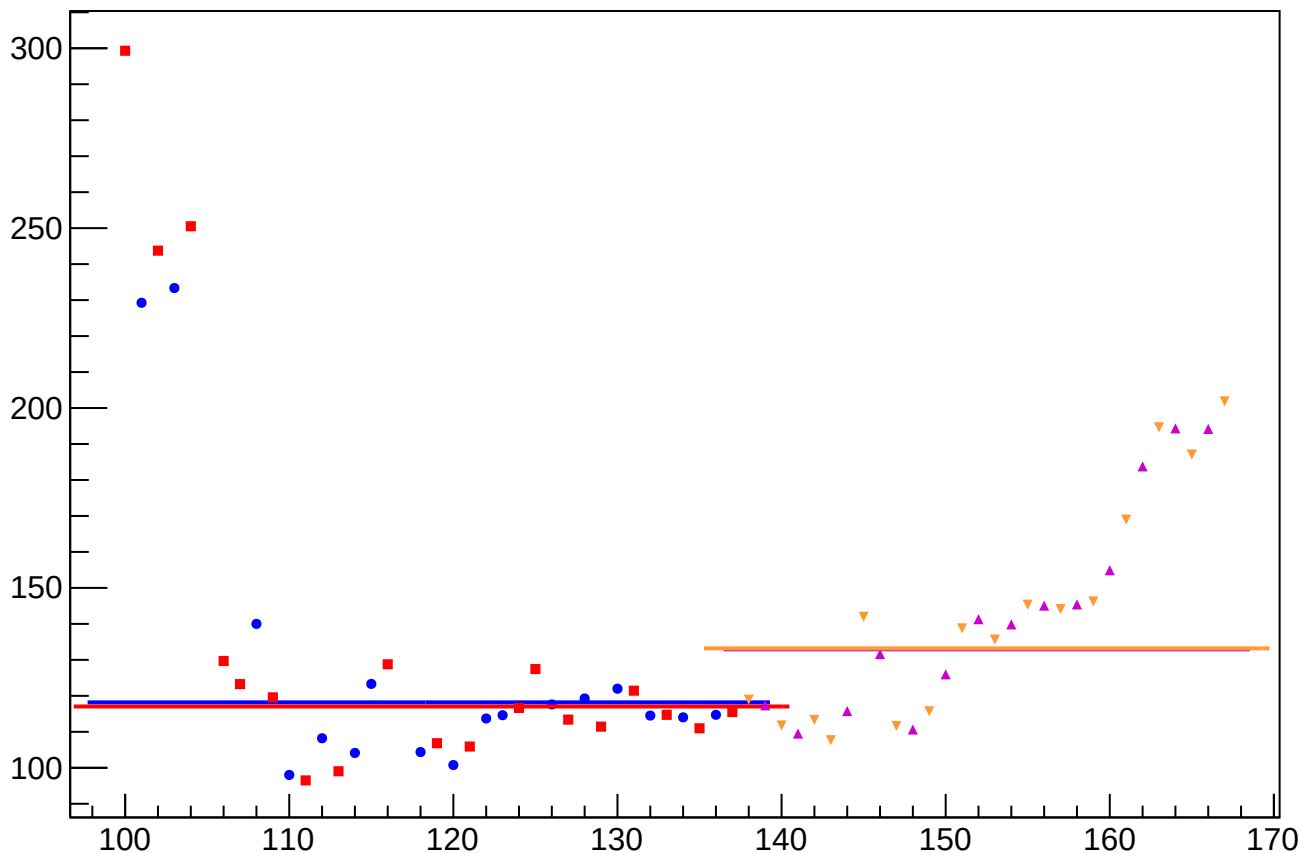
Left In: 7116.578+/-41.332 χ^2/NDF : 10756.6/13

+ sign -4956.341+/-30.666 χ^2/NDF : 60003.3/32

All: -200.609+/-21.753 χ^2/NDF : 135445.9/65

- sign 4615.900+/-30.861 χ^2/NDF : 27034.2/32

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

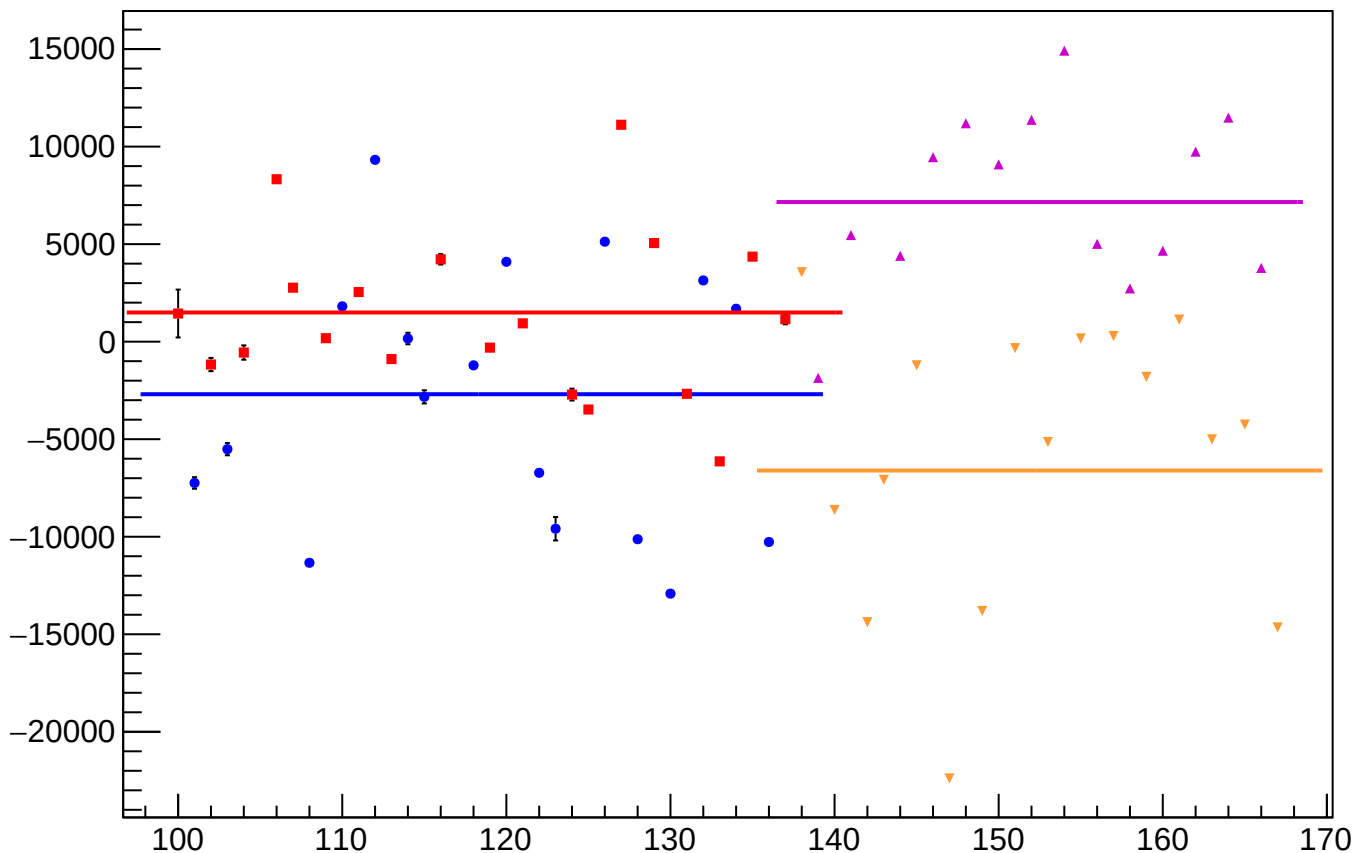
Left In: 132.927+/-0.029 χ^2/NDF : 611388.4/13

+ sign 127.142+/-0.022 χ^2/NDF : 1553656.8/32

All: 126.525+/-0.015 χ^2/NDF : 2987973.3/65

- sign 125.900+/-0.022 χ^2/NDF : 1432687.3/32

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -6605.471 ± 38.758 $\chi^2/\text{NDF}: 38533.3/15$

Right Out: 1495.744 ± 44.445 $\chi^2/\text{NDF}: 8717.2/18$

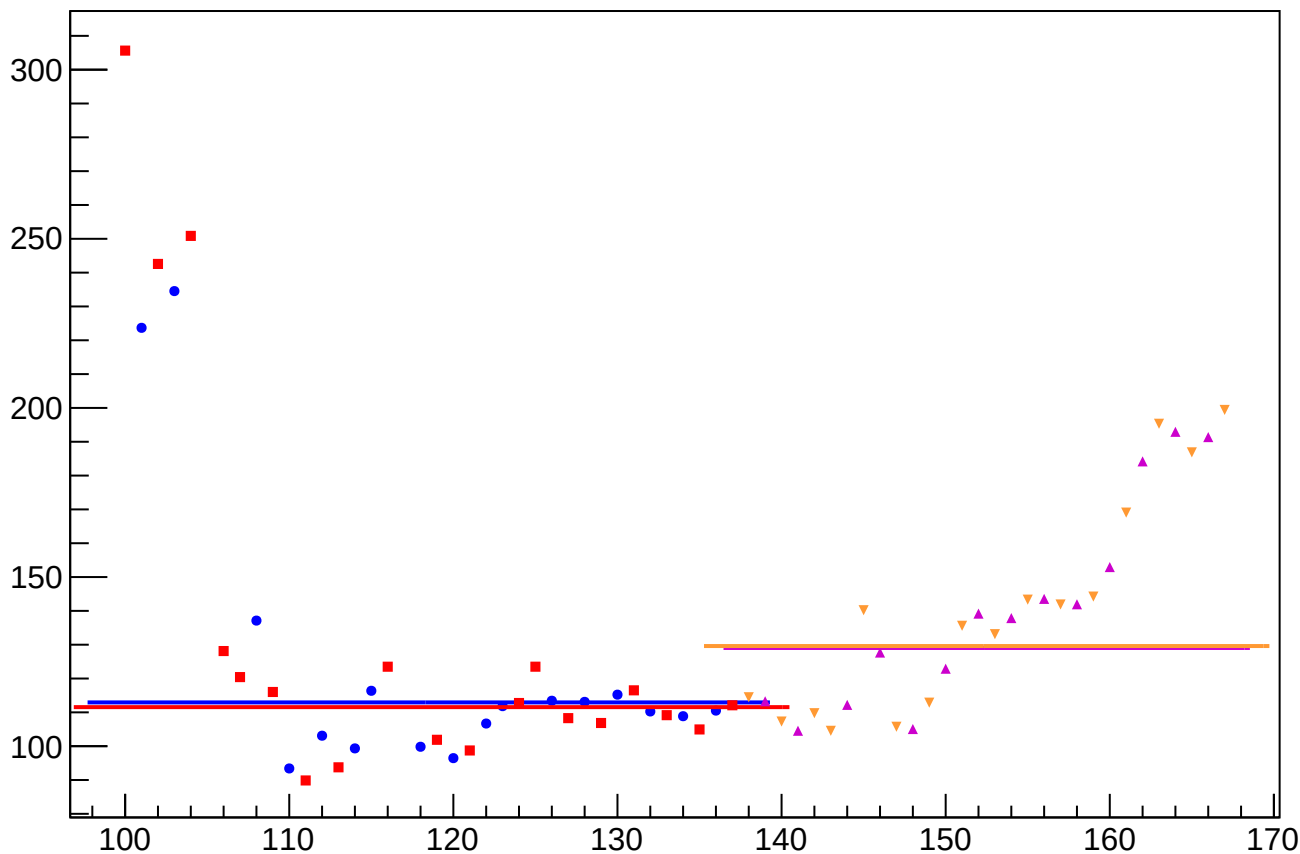
Left In: 7157.614 ± 40.253 $\chi^2/\text{NDF}: 11588.1/13$

+ sign -4995.904 ± 29.732 $\chi^2/\text{NDF}: 65584.5/32$

All: -211.578 ± 21.060 $\chi^2/\text{NDF}: 146773.8/65$

- sign 4606.169 ± 29.836 $\chi^2/\text{NDF}: 29220.6/32$

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

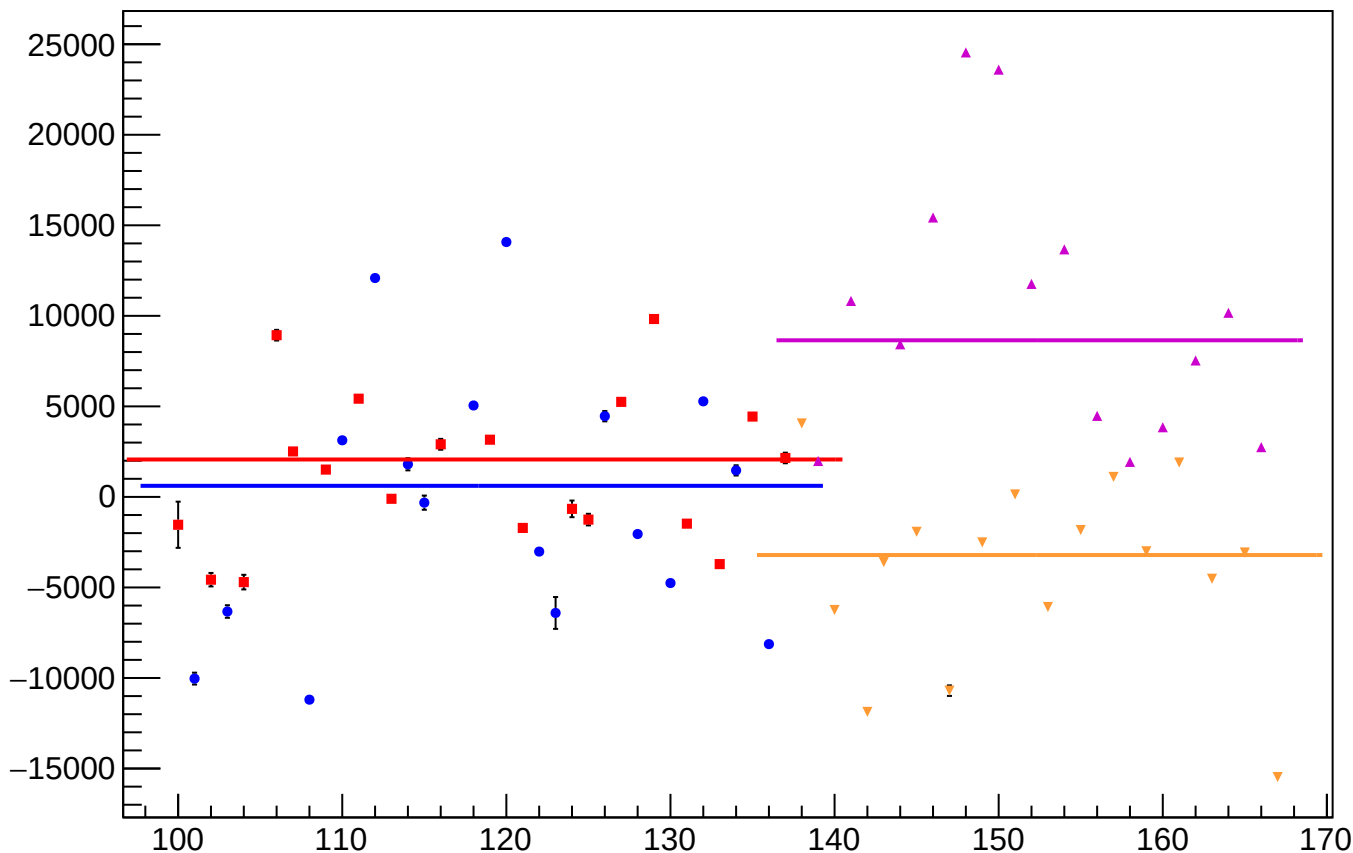
Left In: 129.033 $\pm$ 0.028 χ^2 /NDF: 703267.4/13

+ sign 122.746 $\pm$ 0.021 χ^2 /NDF: 1742315.4/32

All: 121.951 $\pm$ 0.015 χ^2 /NDF: 3384081.8/65

- sign 121.151 $\pm$ 0.021 χ^2 /NDF: 1638901.2/32

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3209.613 ± 46.299 $\chi^2/\text{NDF}: 10443.1/15$

Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

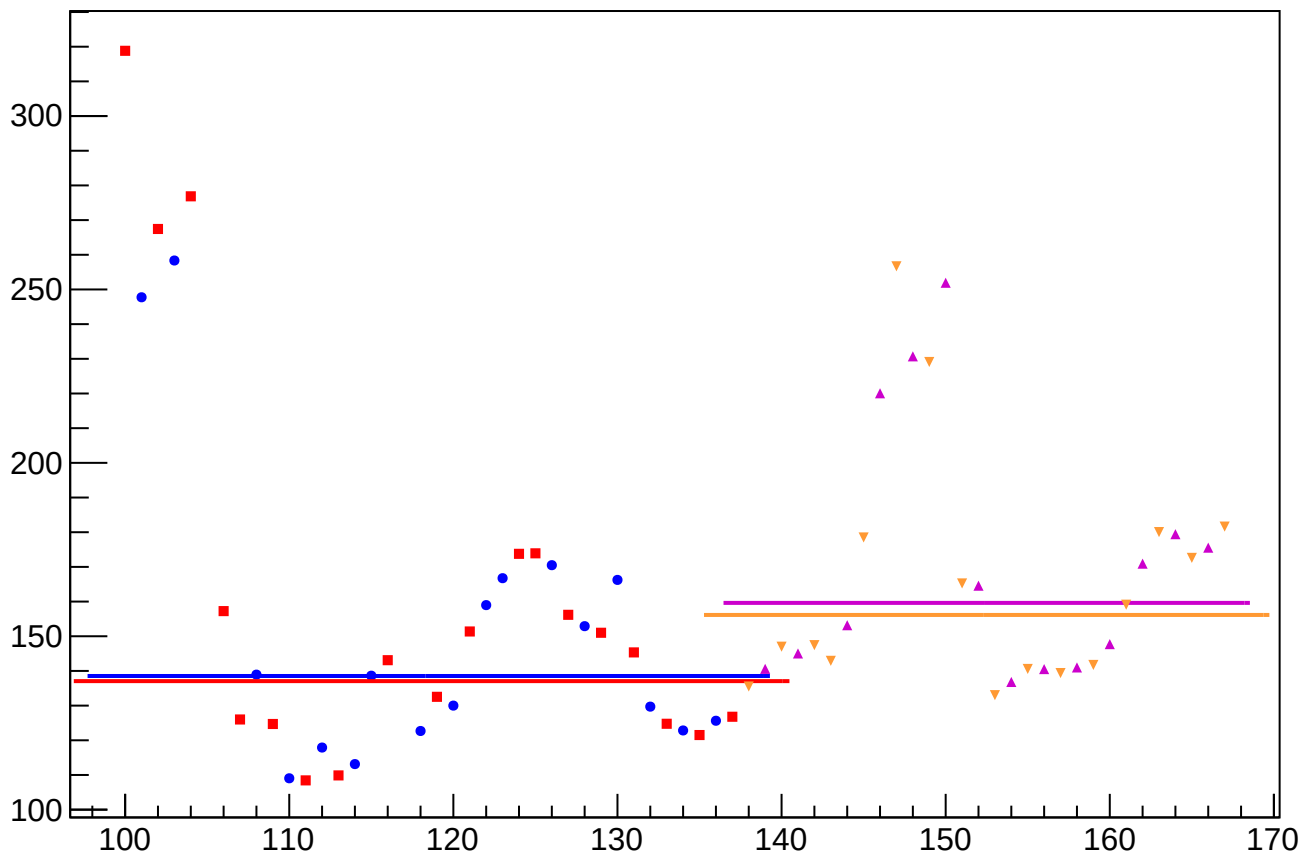
Left In: 8649.654 ± 49.722 $\chi^2/\text{NDF}: 14586.4/13$

+ sign -1659.741 ± 35.699 $\chi^2/\text{NDF}: 31450.0/32$

All: 1896.369 ± 25.541 $\chi^2/\text{NDF}: 79059.2/65$

- sign 5625.342 ± 36.556 $\chi^2/\text{NDF}: 27281.0/32$

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

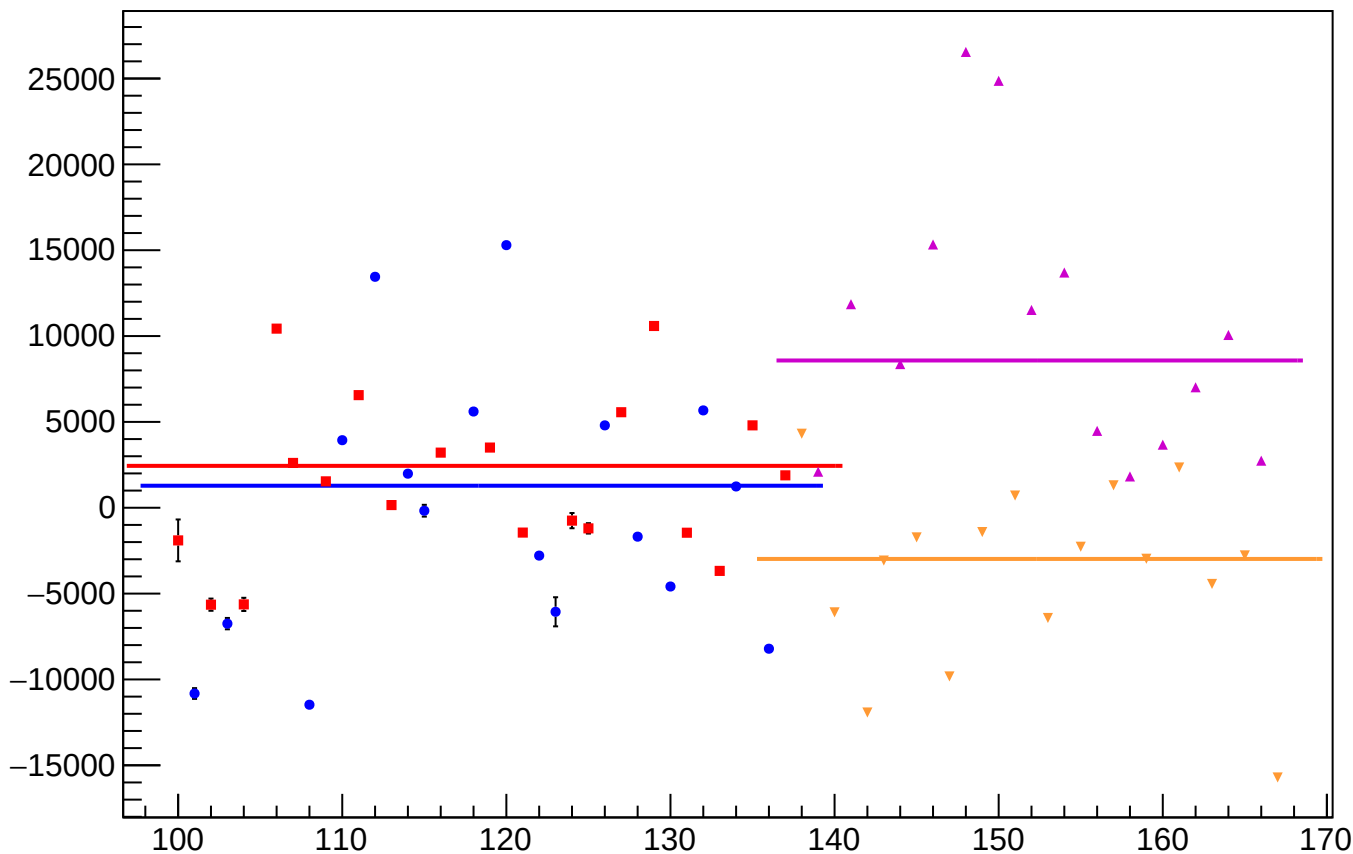
Left In: 159.621 $\pm$ 0.035 χ^2 /NDF: 689497.2/13

+ sign 149.007 $\pm$ 0.025 χ^2 /NDF: 1442800.8/32

All: 149.128 $\pm$ 0.018 χ^2 /NDF: 3077011.6/65

- sign 149.255 $\pm$ 0.026 χ^2 /NDF: 1634163.4/32

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

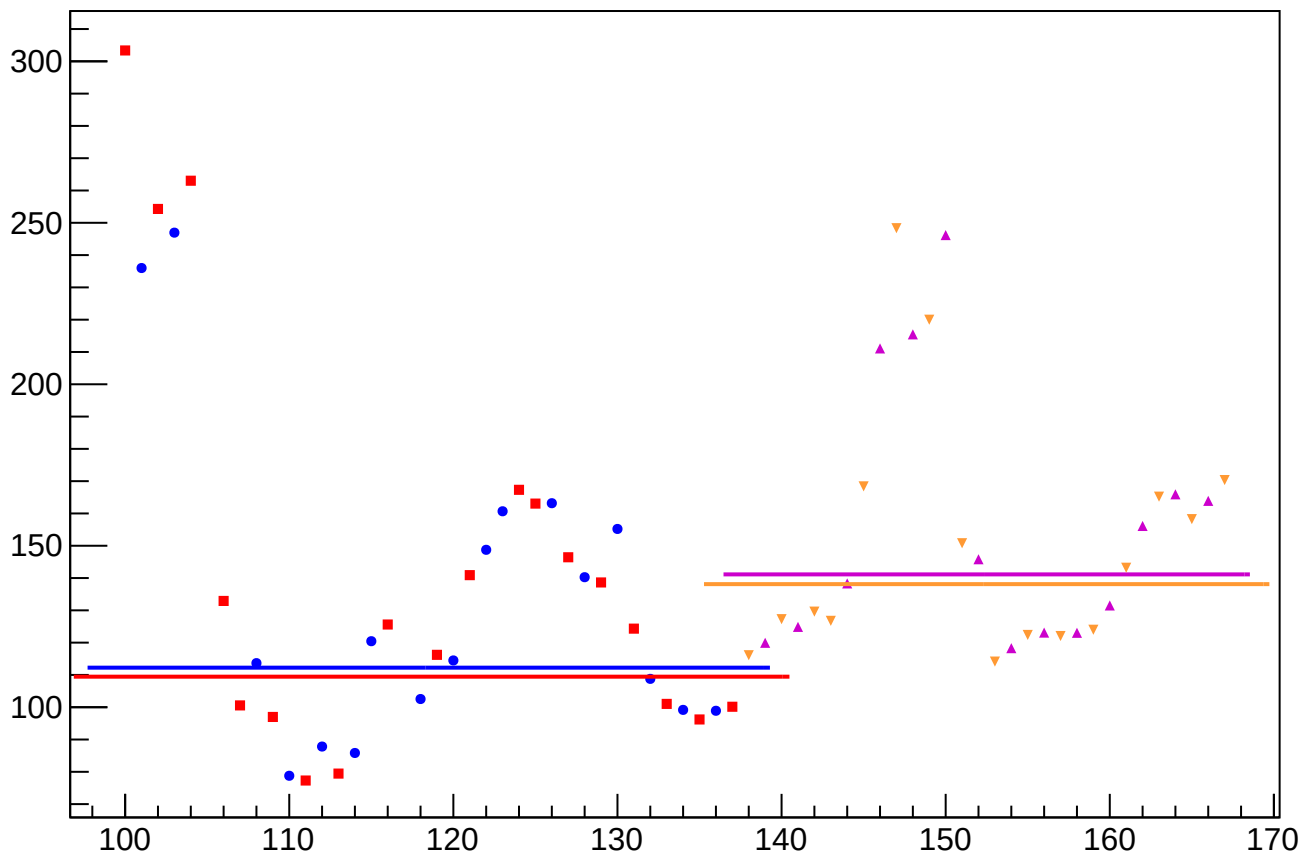
Left In: 8577.582+/-44.396 χ^2/NDF :19399.7/13

+ sign -1104.817+/-30.894 χ^2/NDF : 48790.1/32

All: 2149.412+/-22.006 χ^2/NDF : 107970.3/65

- sign 5501.277+/-31.354 χ^2/NDF : 36656.0/32

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

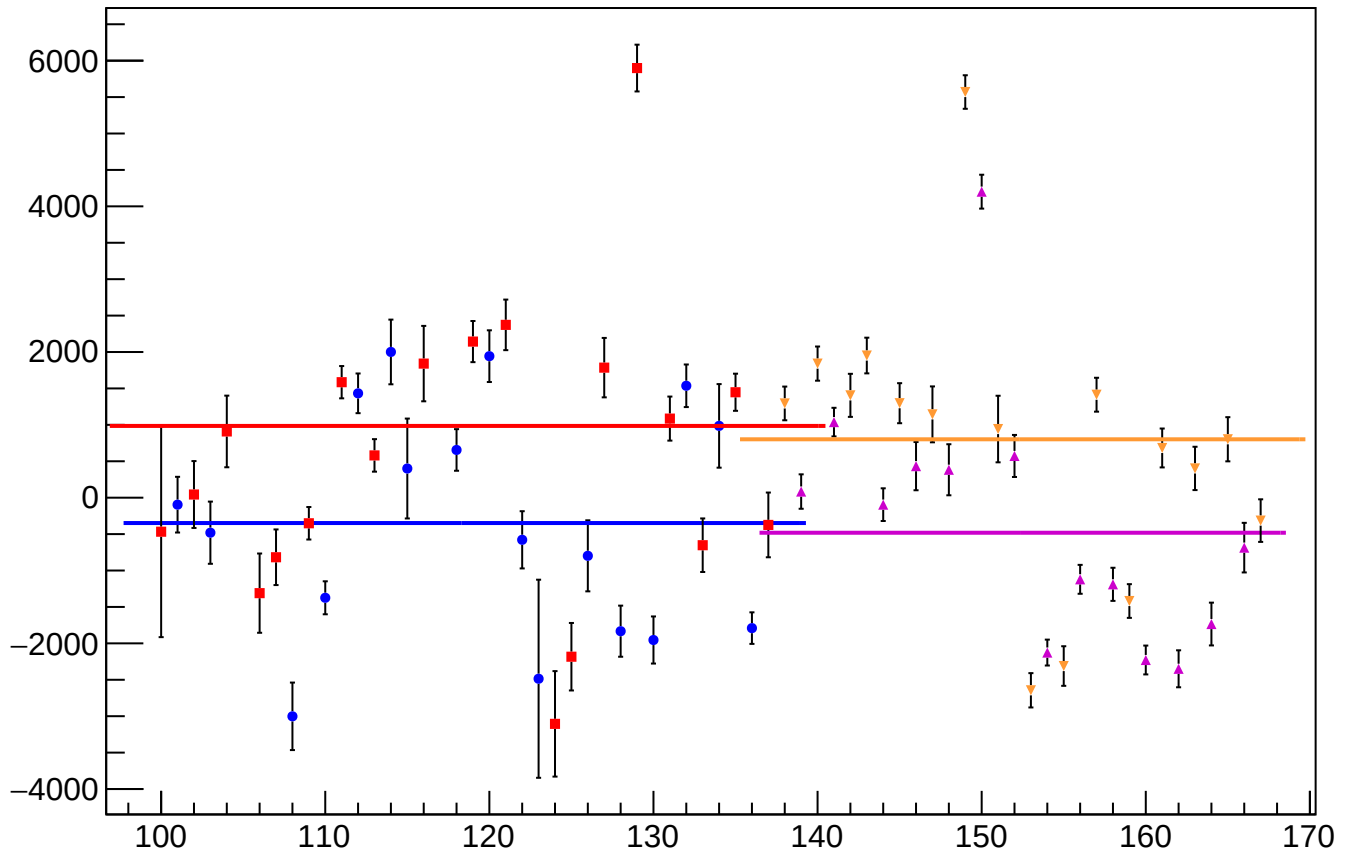
Left In: 141.133+/-0.031 χ^2/NDF : 943135.4/13

+ sign 126.734+/-0.022 χ^2/NDF : 2393207.5/32

All: 126.006+/-0.016 χ^2/NDF : 5118456.6/65

- sign 125.257+/-0.022 χ^2/NDF : 2722998.6/32

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

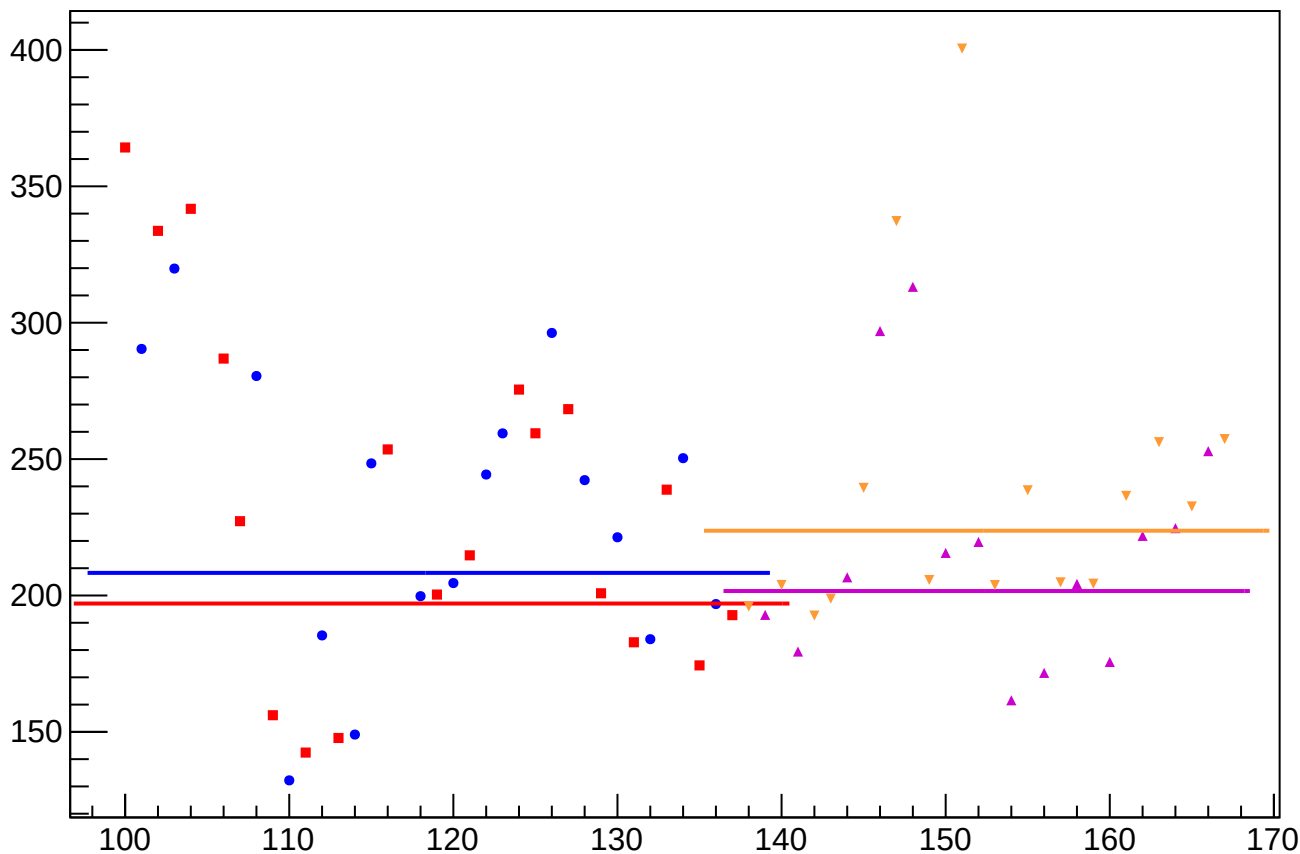
Left In: -481.333 ± 63.361 χ^2/NDF : 757.1/13

+ sign 356.481 ± 52.160 χ^2/NDF : 1376.2/32

All: 222.909 ± 35.752 χ^2/NDF : 2836.3/65

- sign 104.552 ± 49.100 χ^2/NDF : 1447.7/32

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

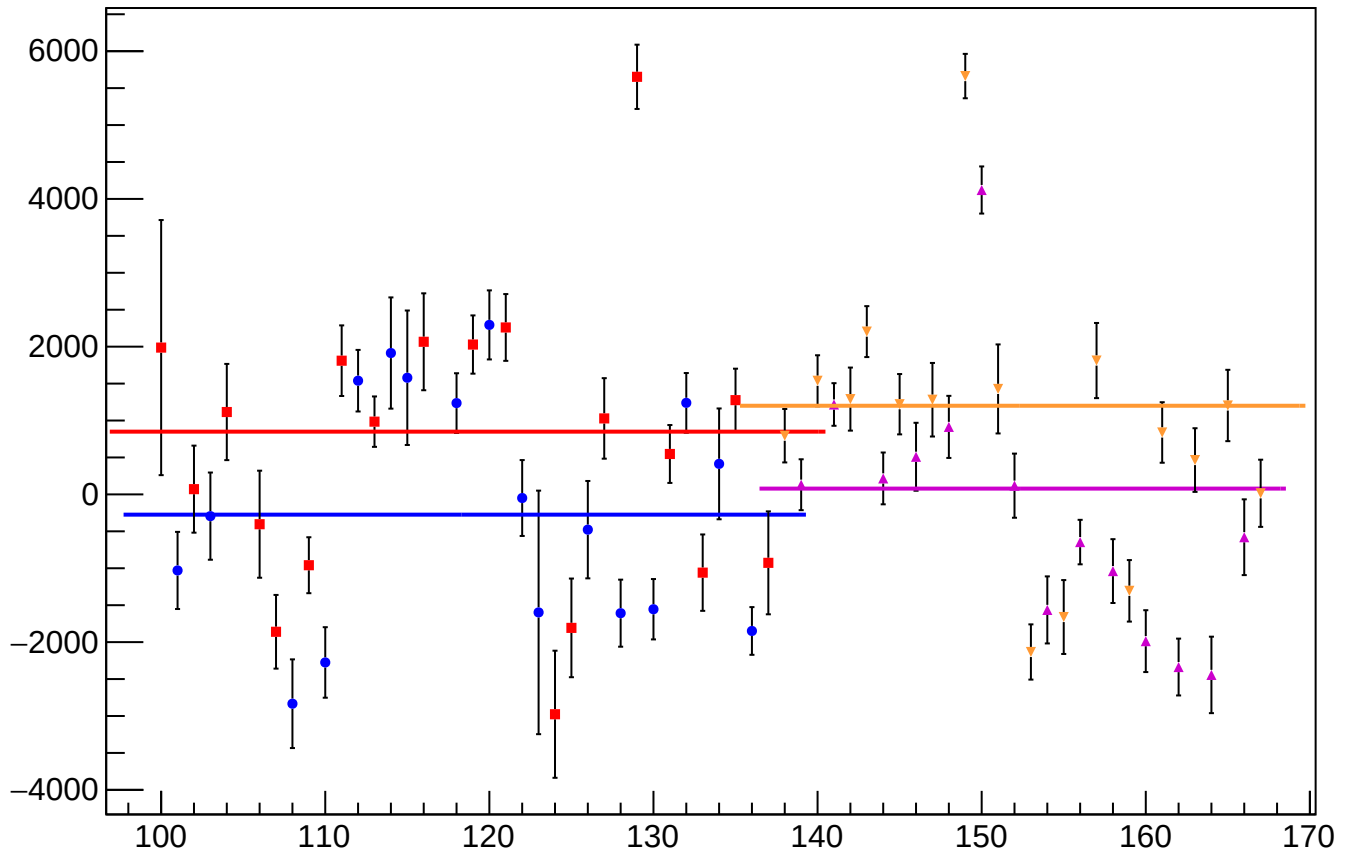
Left In: 201.638 $\pm$ 0.045 χ^2 /NDF: 664964.6/13

+ sign 217.758 $\pm$ 0.037 χ^2 /NDF: 1423363.5/32

All: 208.240 $\pm$ 0.025 χ^2 /NDF: 3144909.6/65

- sign 199.806 $\pm$ 0.035 χ^2 /NDF: 1595938.7/32

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

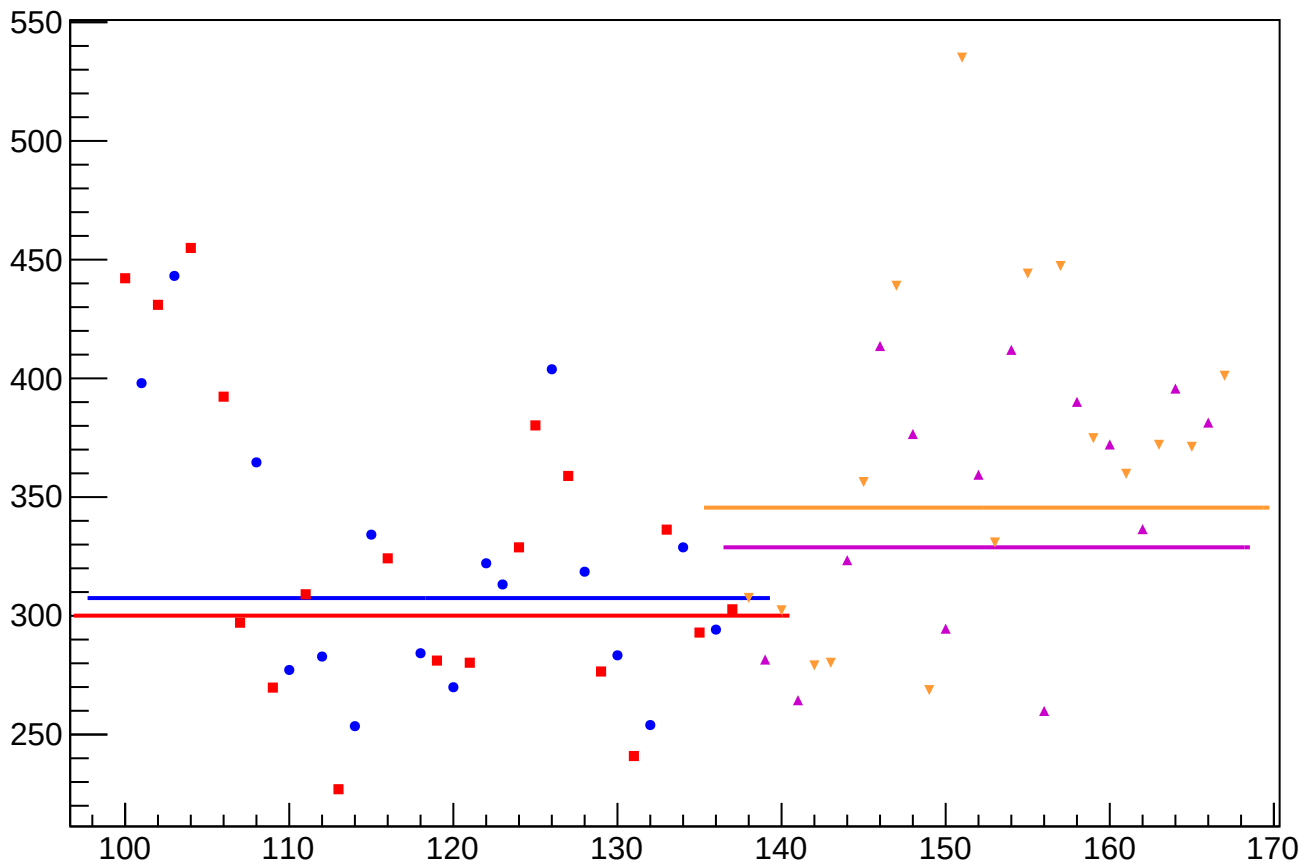
Left In: 78.357 ± 102.419 χ^2/NDF : 295.8/13

+ sign 585.488 ± 78.331 χ^2/NDF : 649.5/32

All: 499.993 ± 54.761 χ^2/NDF : 1235.9/65

- sign 418.264 ± 76.586 χ^2/NDF : 584.1/32

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

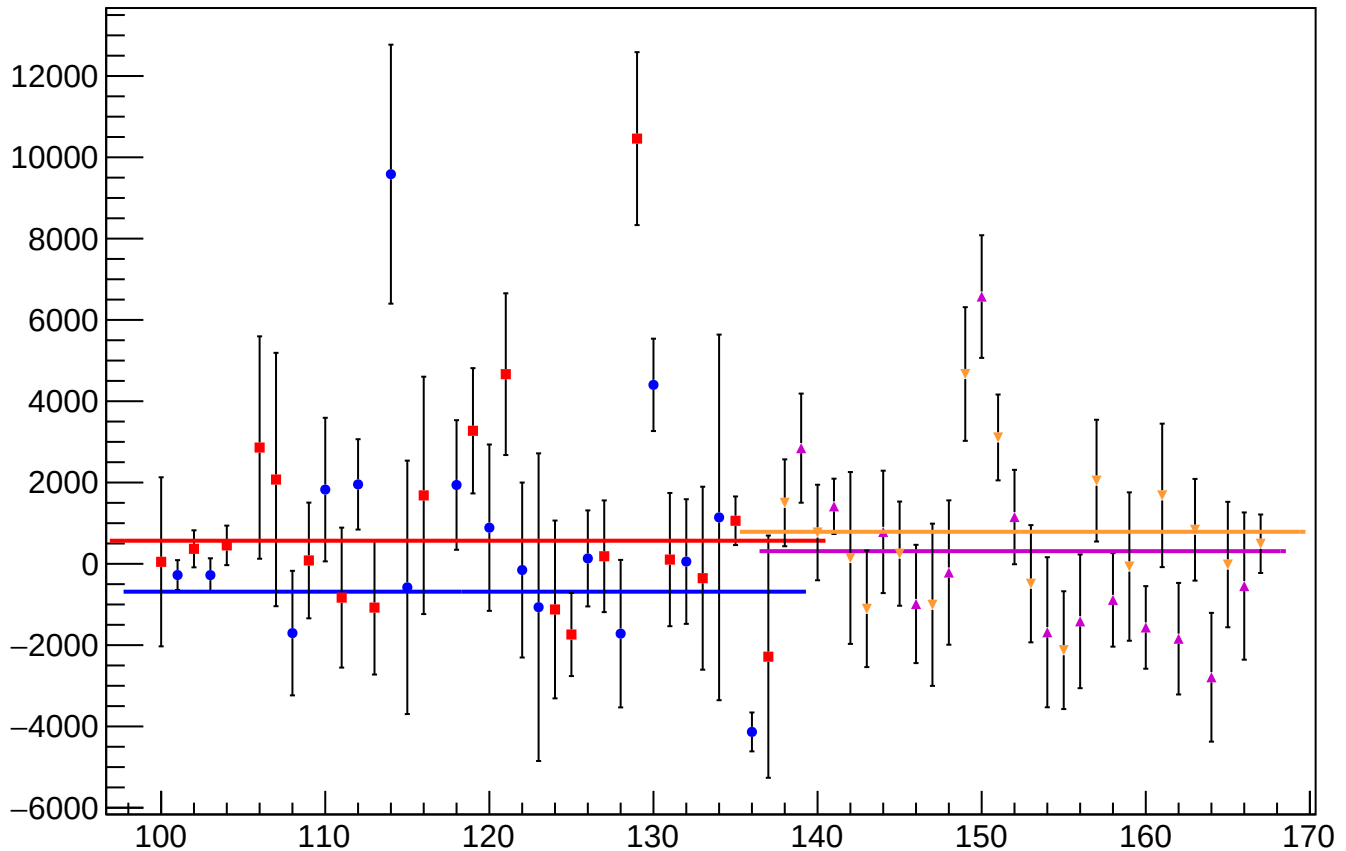
Left In: 328.852 $\pm$ 0.072 χ^2 /NDF: 553313.5/13

+ sign 329.683 $\pm$ 0.055 χ^2 /NDF: 1228366.6/32

All: 322.771 $\pm$ 0.039 χ^2 /NDF: 2372166.6/65

- sign 316.163 $\pm$ 0.054 χ^2 /NDF: 1113341.2/32

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

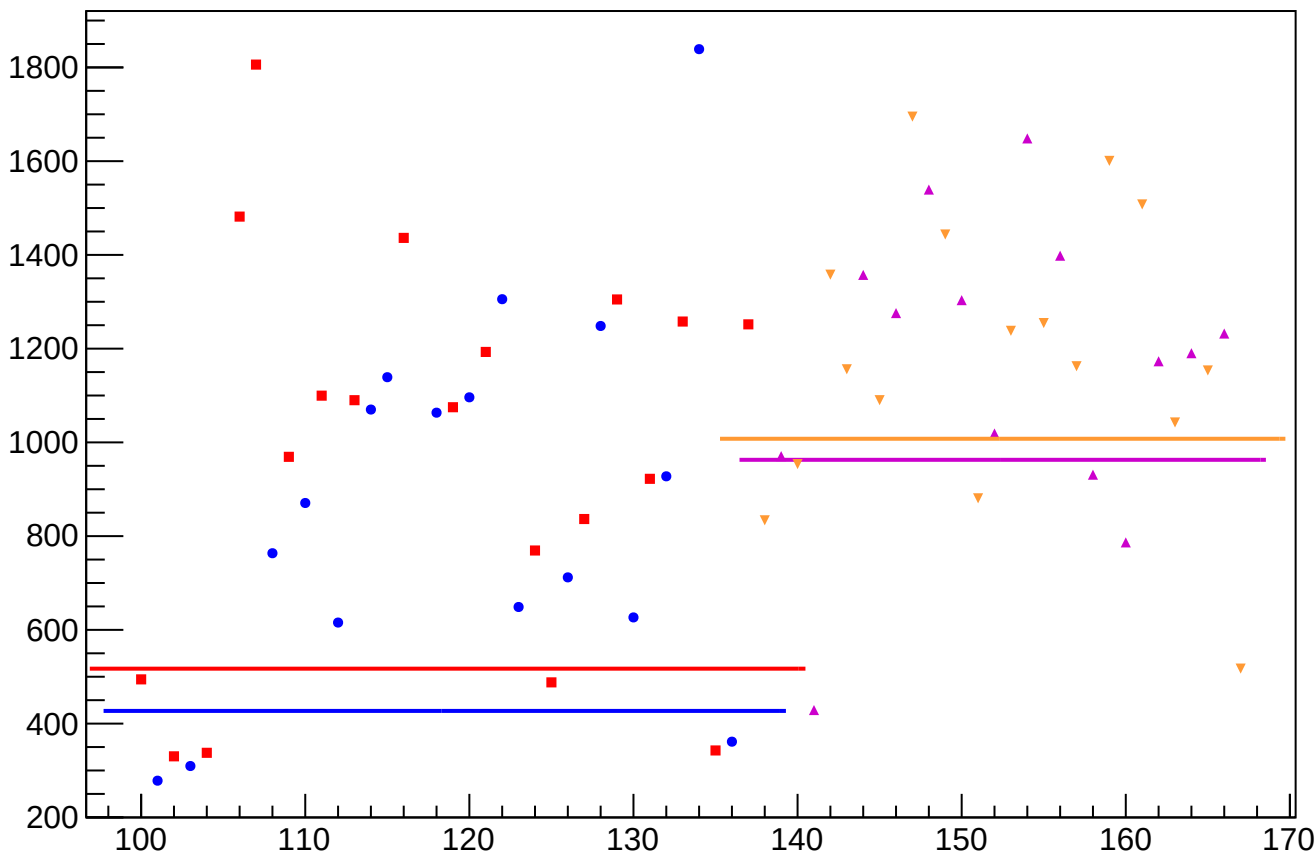
Left In: 312.009+/-338.095 χ^2/NDF : 38.2/13

+ sign -250.537+/-176.620 χ^2/NDF : 132.0/32

All: 74.663+/-131.641 χ^2/NDF : 217.9/65

- sign 481.114+/-197.456 χ^2/NDF : 78.3/32

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

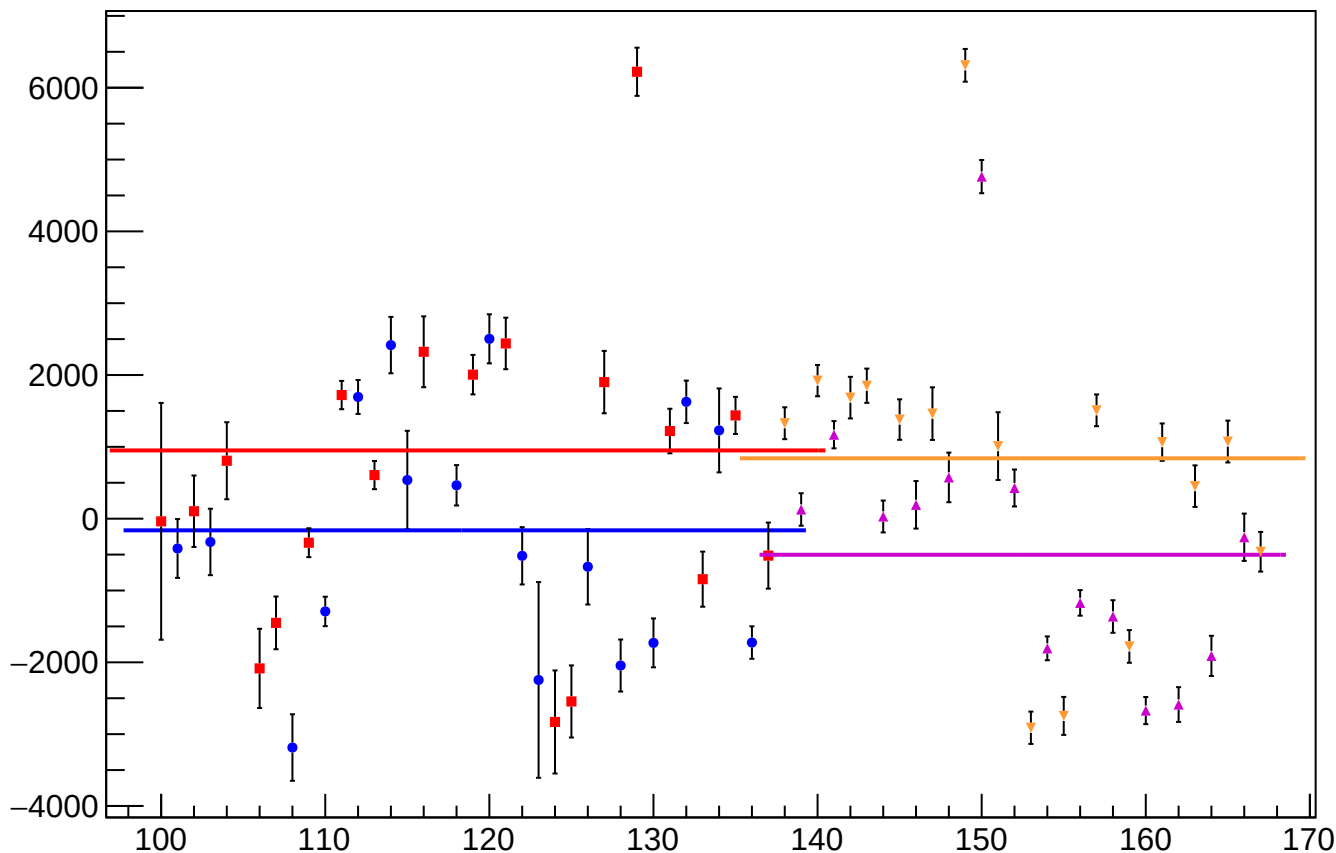
Left In: 962.820+/-0.239 χ^2/NDF : 2388601.0/13

+ sign 598.330+/-0.125 χ^2/NDF : 9360736.8/32

All: 629.837+/-0.093 χ^2/NDF : 17786645.2/65

- sign 669.217+/-0.140 χ^2/NDF : 8282711.7/32

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

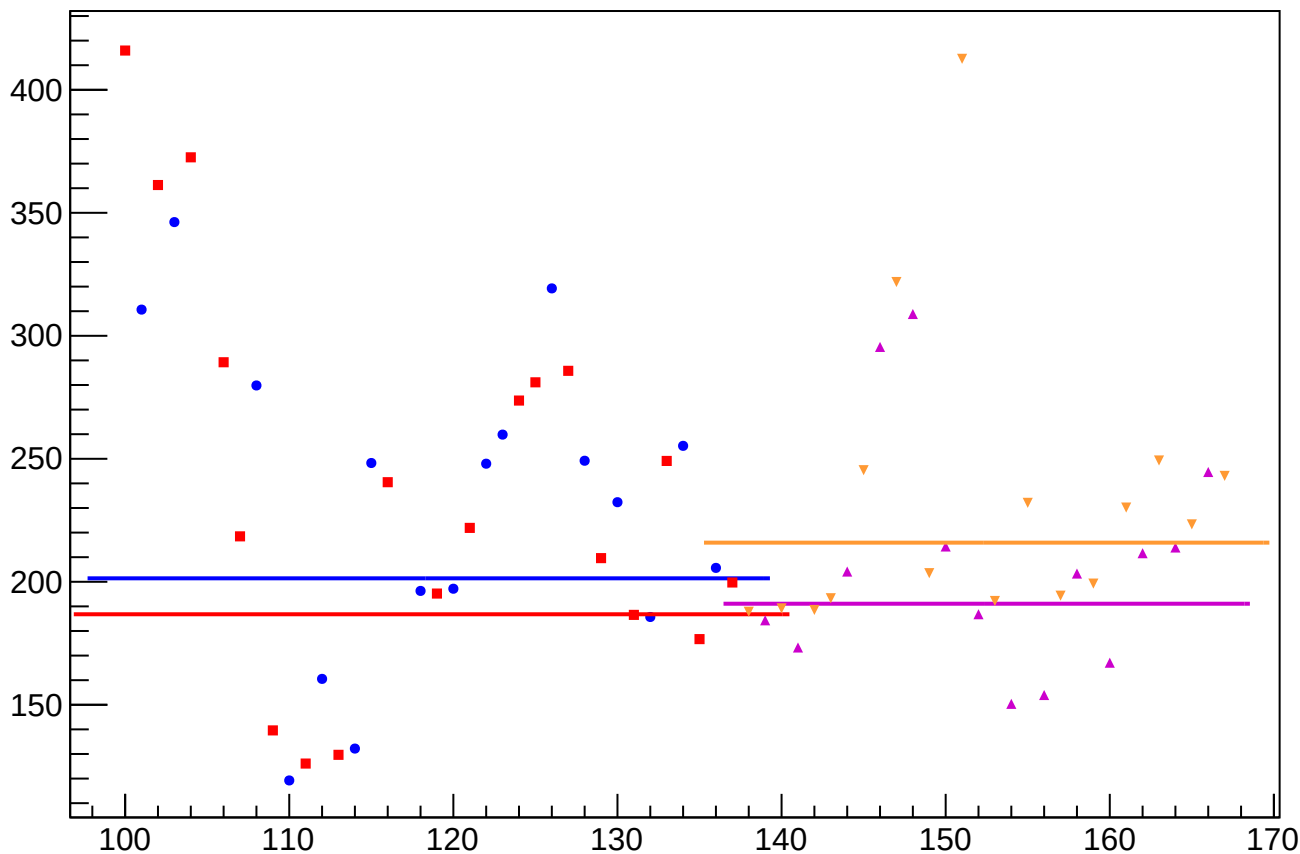
Left In: -502.475 ± 60.460 χ^2/NDF : 958.6/13

+ sign 459.114 ± 50.795 χ^2/NDF : 1747.1/32

All: 249.067 ± 34.538 χ^2/NDF : 3504.2/65

- sign 68.441 ± 47.103 χ^2/NDF : 1725.2/32

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

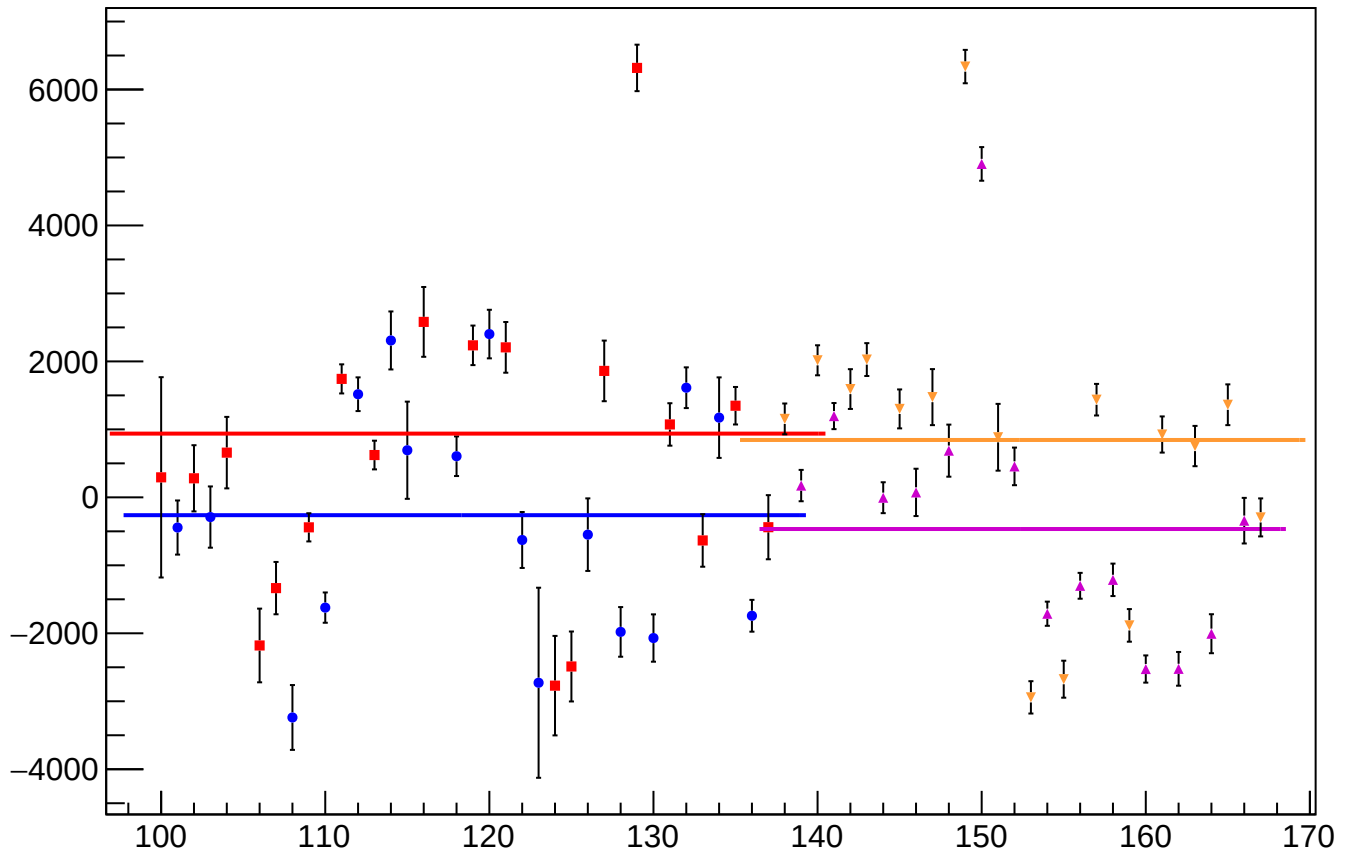
Left In: 191.083 $\pm$ 0.043 χ^2 /NDF: 804725.9/13

+ sign 210.395 $\pm$ 0.036 χ^2 /NDF: 1847601.0/32

All: 199.106 $\pm$ 0.024 χ^2 /NDF: 4233180.9/65

- sign 189.399 $\pm$ 0.033 χ^2 /NDF: 2201837.0/32

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

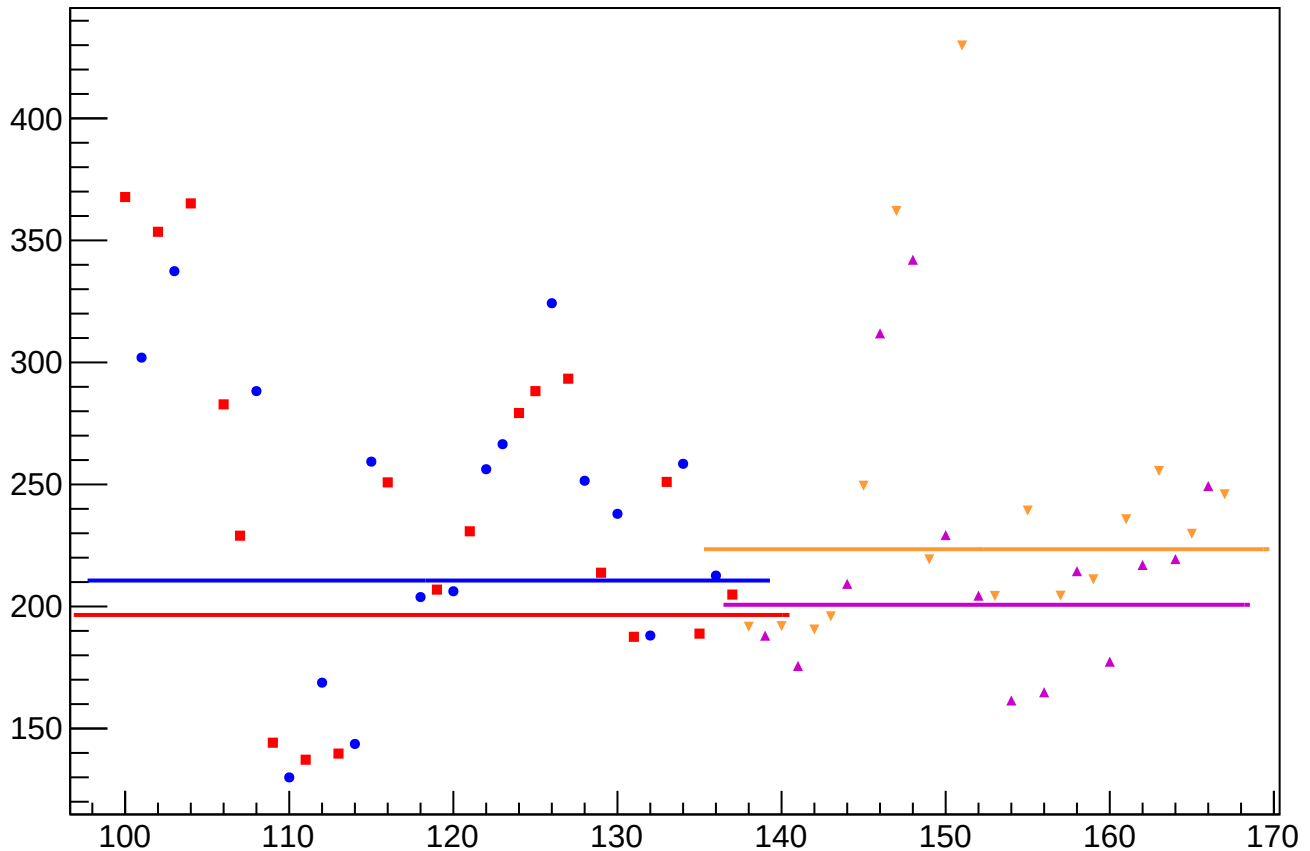
Left In: -465.823 ± 63.399 χ^2/NDF : 862.1/13

+ sign 424.218 ± 52.627 χ^2/NDF : 1614.7/32

All: 245.592 ± 35.981 χ^2/NDF : 3214.0/65

- sign 88.801 ± 49.306 χ^2/NDF : 1577.7/32

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

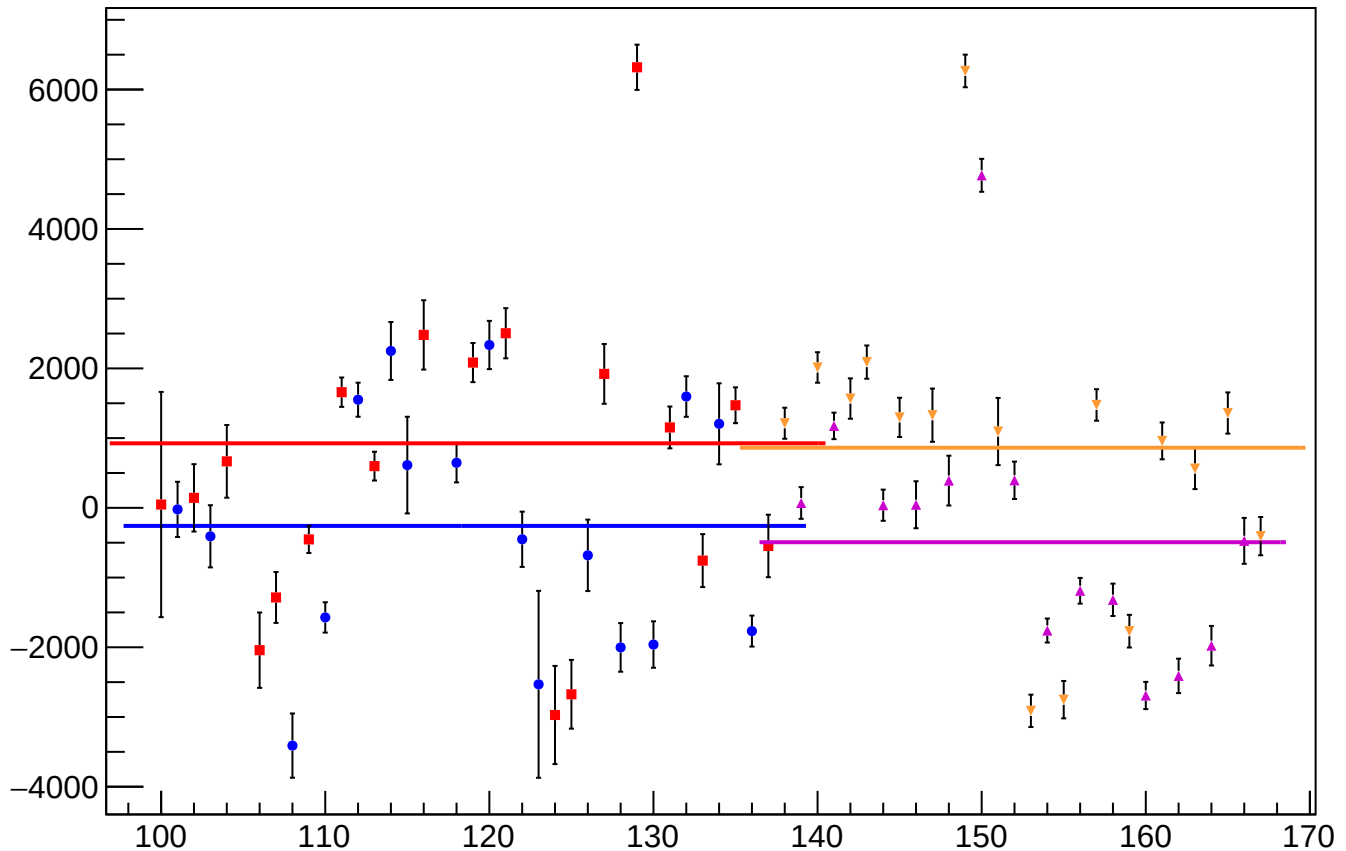
Left In: 200.698 $\pm$ 0.045 χ^2 /NDF:807826.5/13

+ sign 218.602 $\pm$ 0.037 χ^2 /NDF: 1711018.0/32

All: 208.190 $\pm$ 0.025 χ^2 /NDF: 3874365.0/65

- sign 199.050 $\pm$ 0.035 χ^2 /NDF: 2016336.2/32

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

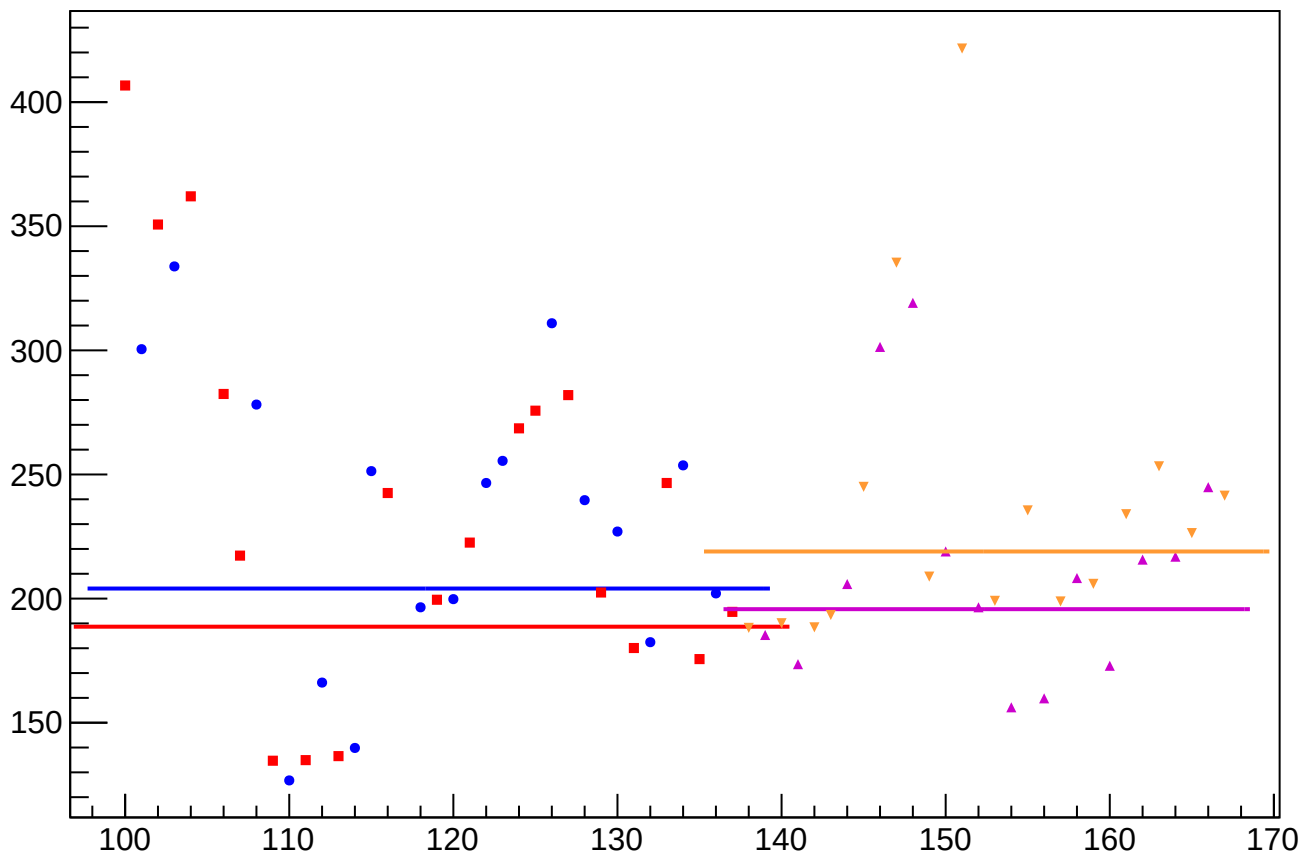
Left In: -493.102 ± 61.830 χ^2/NDF : 899.9/13

+ sign 431.304 ± 51.338 χ^2/NDF : 1709.7/32

All: 241.317 ± 34.998 χ^2/NDF : 3428.3/65

- sign 76.358 ± 47.837 χ^2/NDF : 1693.1/32

asym_bpm0l06WS_rms vs Slug



Right In: 204.051 $\pm$ 0.059 χ^2 /NDF: 868423.0/16

Left Out: 218.977 $\pm$ 0.046 χ^2 /NDF: 771236.0/15

Right Out: 188.681 $\pm$ 0.053 χ^2 /NDF: 1251107.4/18

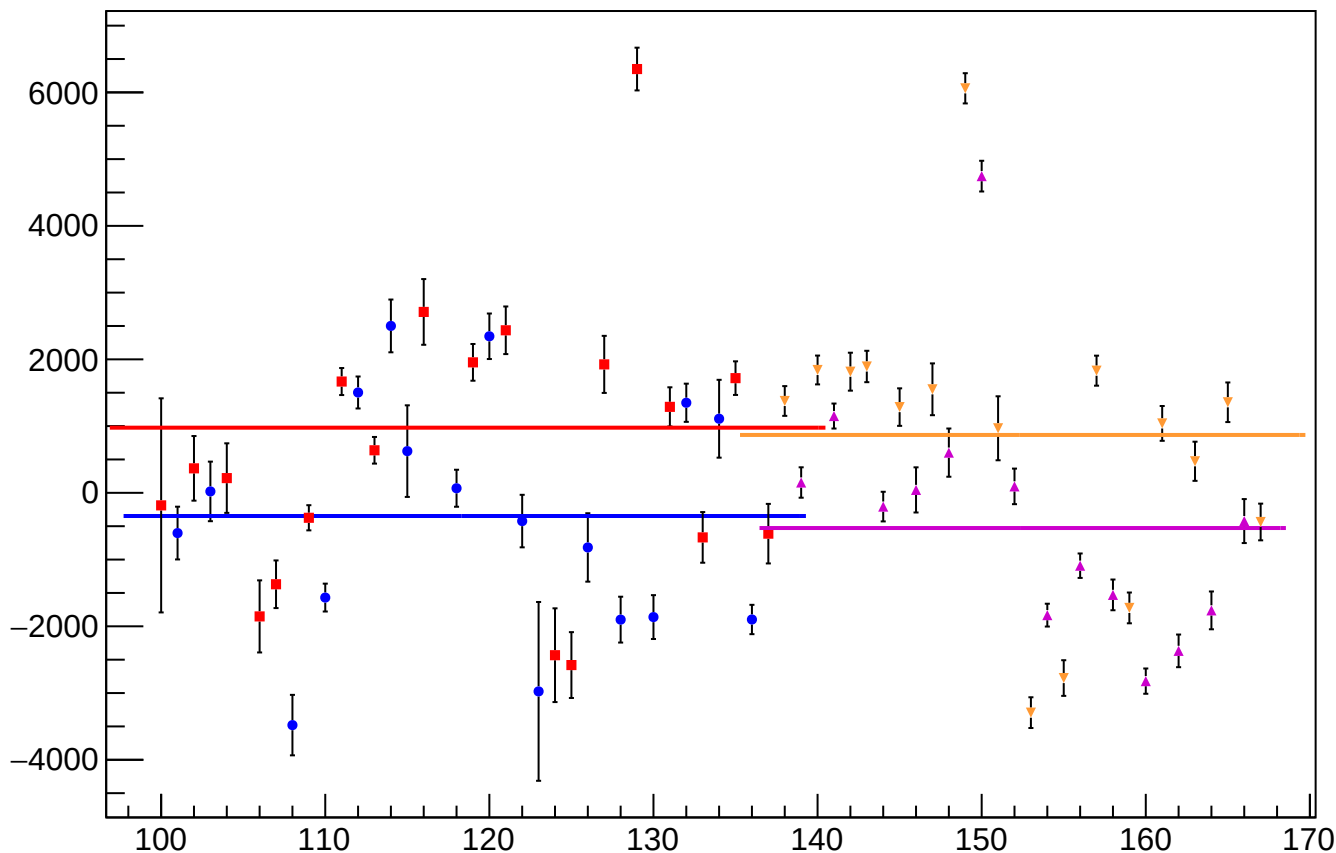
Left In: 195.738 $\pm$ 0.044 χ^2 /NDF: 773217.2/13

+ sign 213.239 $\pm$ 0.036 χ^2 /NDF: 1679662.4/32

All: 202.355 $\pm$ 0.025 χ^2 /NDF: 3882390.3/65

- sign 192.905 $\pm$ 0.034 χ^2 /NDF: 2034785.8/32

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

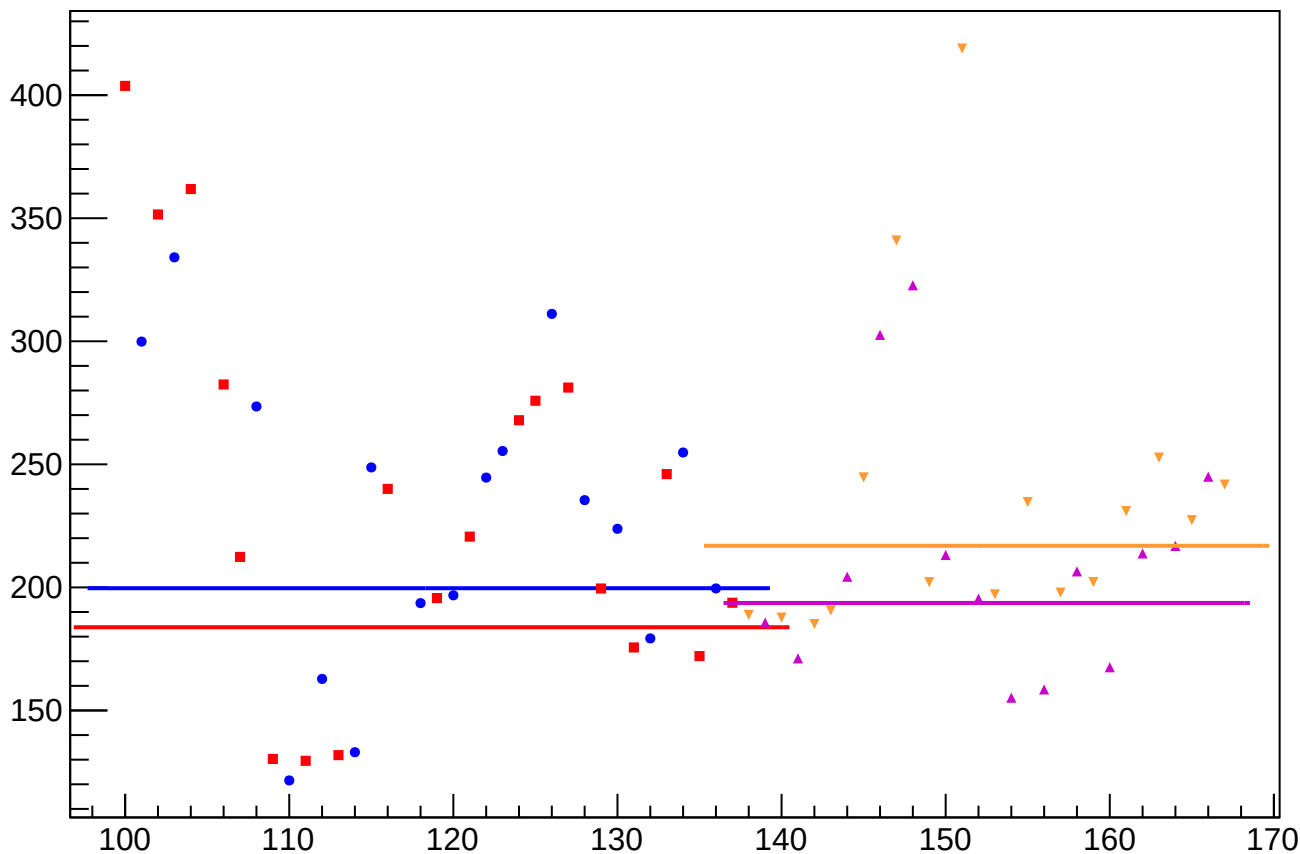
Left In: -527.359 ± 61.242 χ^2/NDF : 943.7/13

+ sign 394.767 ± 50.721 χ^2/NDF : 1806.4/32

All: 228.579 ± 34.534 χ^2/NDF : 3601.3/65

- sign 84.960 ± 47.152 χ^2/NDF : 1774.9/32

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 ± 0.058 χ^2/NDF : 943155.1/16

Left Out: 216.913 ± 0.046 χ^2/NDF : 806356.2/15

Right Out: 183.808 ± 0.052 χ^2/NDF : 1349625.1/18

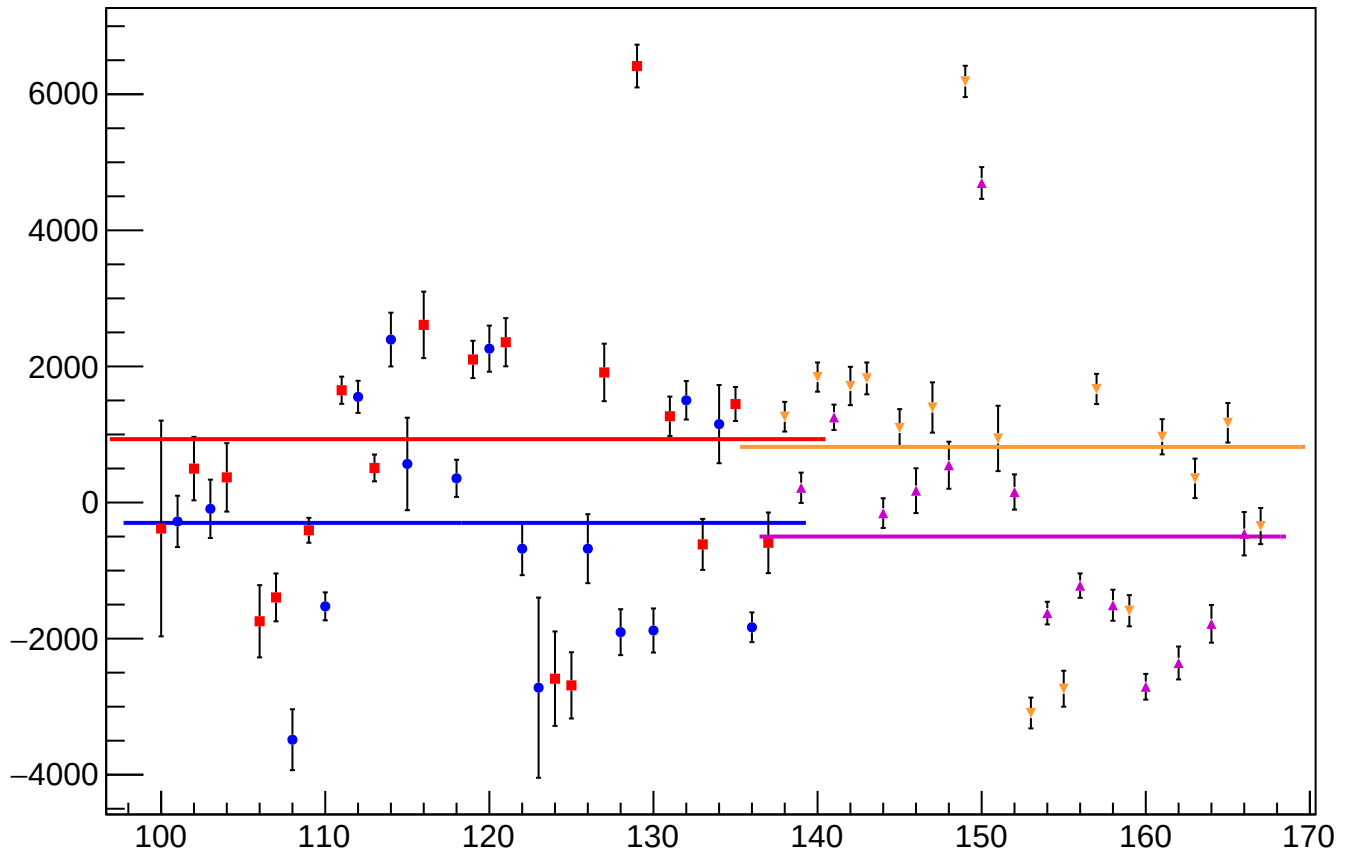
Left In: 193.678 ± 0.043 χ^2/NDF : 807768.3/13

+ sign 210.204 ± 0.036 χ^2/NDF : 1804458.9/32

All: 199.183 ± 0.024 χ^2/NDF : 4159036.6/65

- sign 189.659 ± 0.033 χ^2/NDF : 2178548.3/32

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

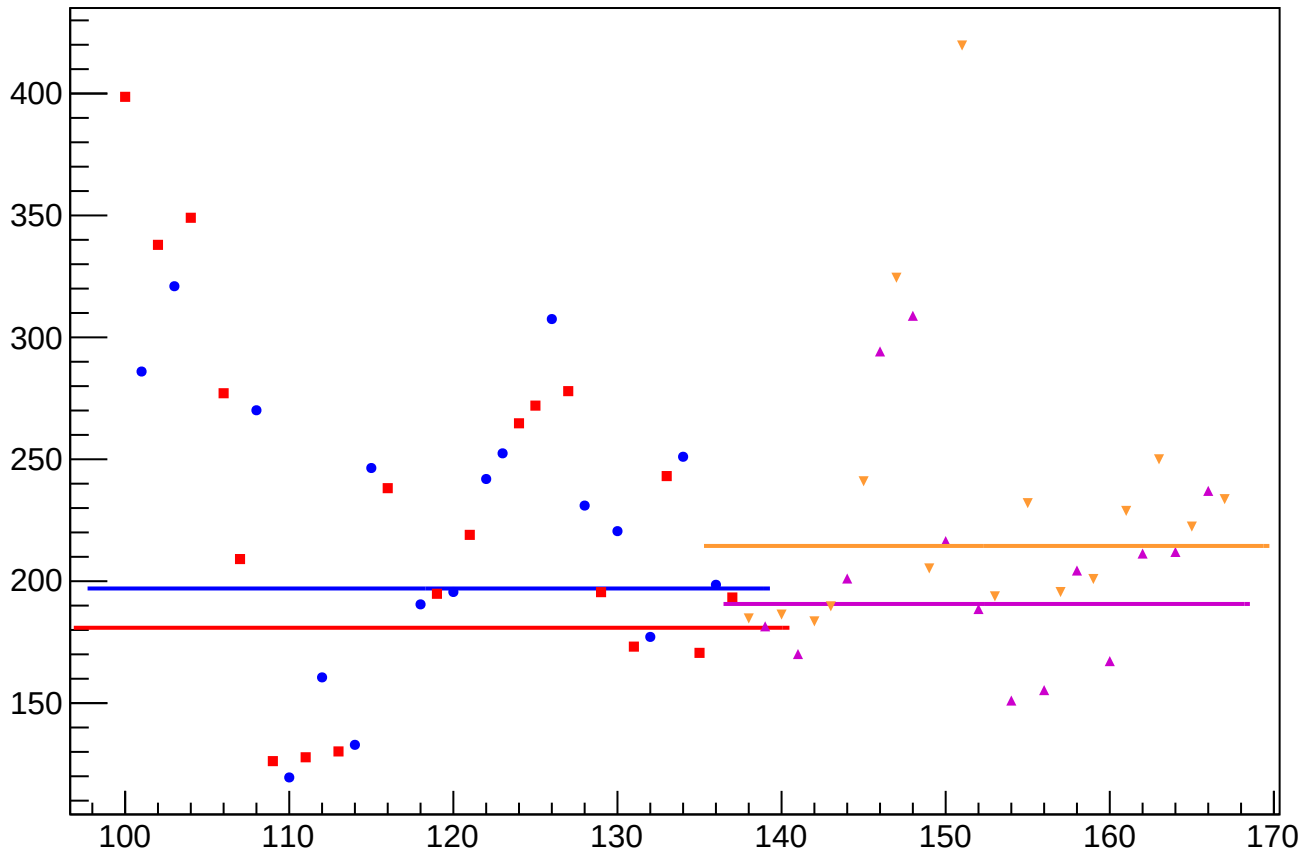
Left In: -499.978 ± 60.298 χ^2/NDF : 914.1/13

+ sign 381.693 ± 50.073 χ^2/NDF : 1756.9/32

All: 221.117 ± 34.044 χ^2/NDF : 3534.6/65

- sign 83.088 ± 46.425 χ^2/NDF : 1758.5/32

asym_bpm0l08WS_rms vs Slug



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

Left Out: 214.460+/-0.045 χ^2/NDF : 777420.9/15

Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

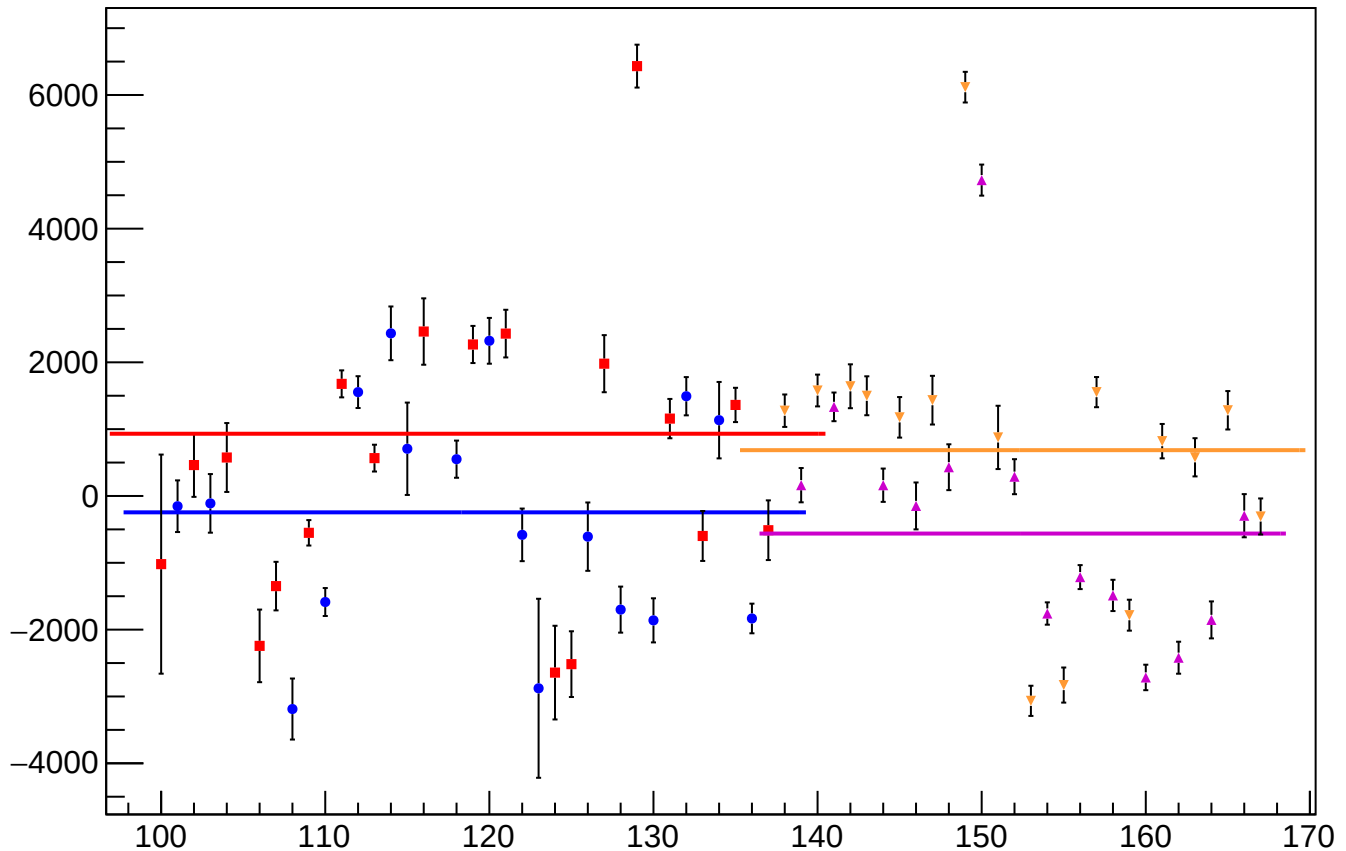
Left In: 190.668+/-0.043 χ^2/NDF : 785601.1/13

+ sign 207.653+/-0.035 χ^2/NDF : 1747116.7/32

All: 196.381+/-0.024 χ^2/NDF : 4088194.2/65

- sign 186.692+/-0.033 χ^2/NDF : 2152631.5/32

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

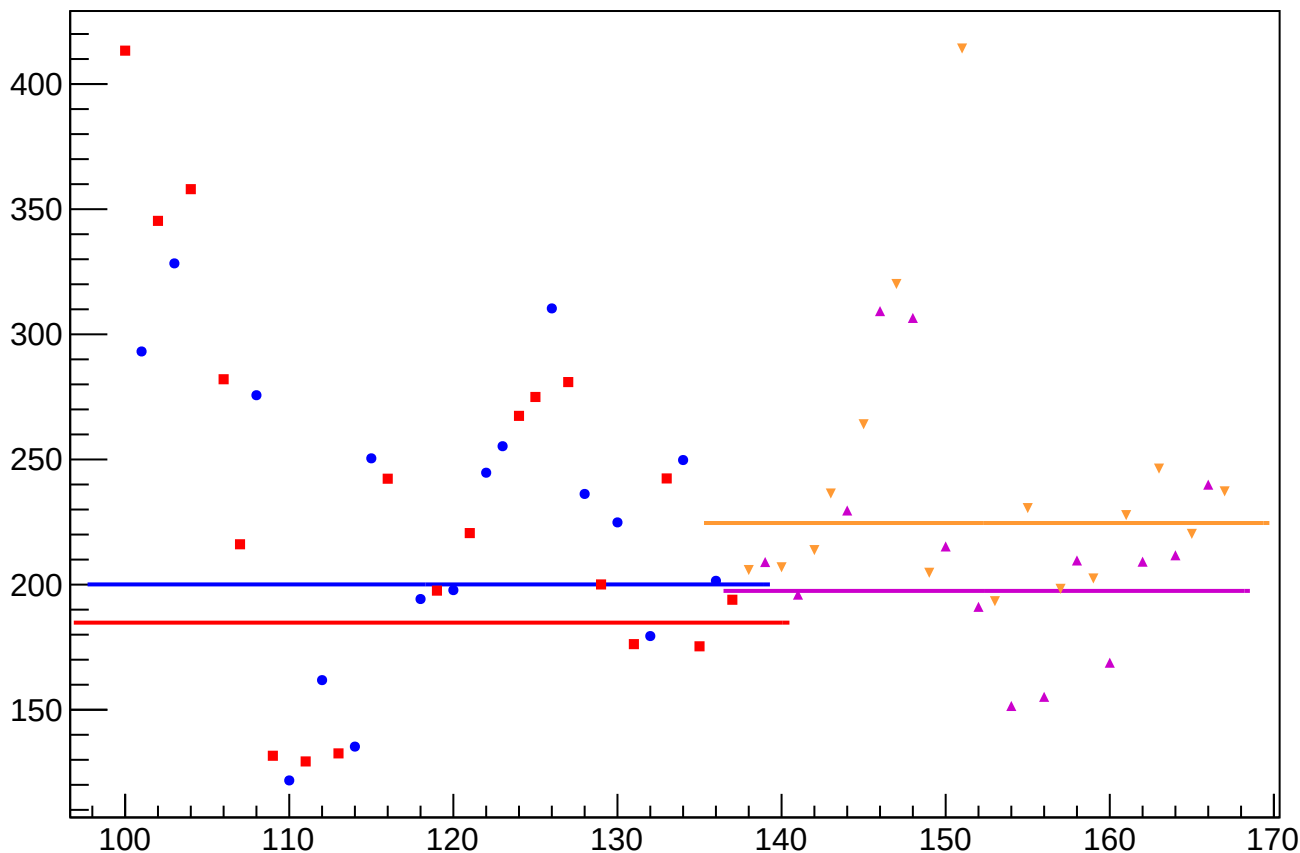
Left In: -562.335 ± 62.558 χ^2/NDF : 923.2/13

+ sign 310.064 ± 51.702 χ^2/NDF : 1675.4/32

All: 174.334 ± 35.110 χ^2/NDF : 3458.0/65

- sign 58.175 ± 47.829 χ^2/NDF : 1769.8/32

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

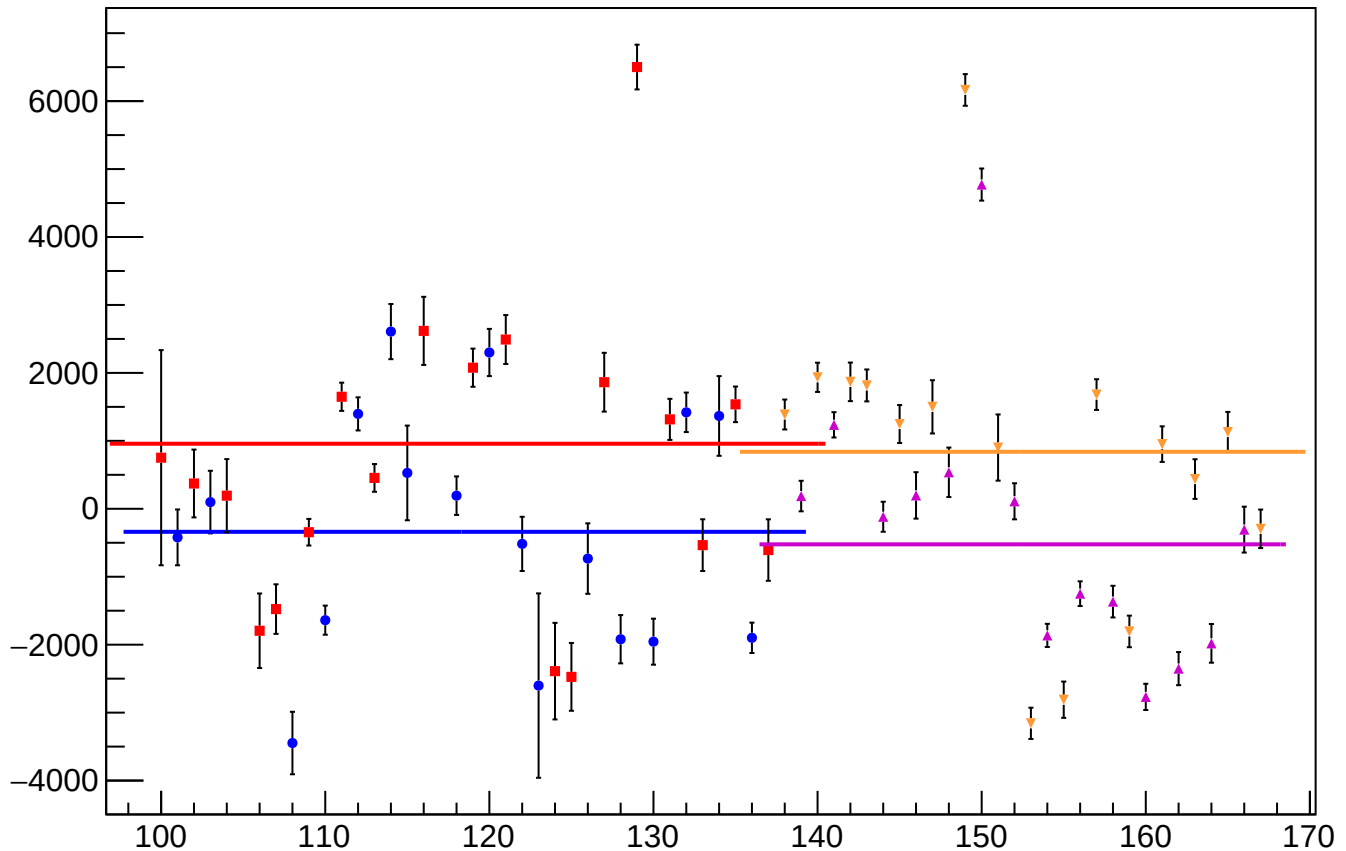
Left In: 197.488 ± 0.044 χ^2/NDF : 813451.2/13

+ sign 214.717 ± 0.037 χ^2/NDF : 1663325.2/32

All: 202.595 ± 0.025 χ^2/NDF : 4033240.7/65

- sign 192.220 ± 0.034 χ^2/NDF : 2165858.9/32

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

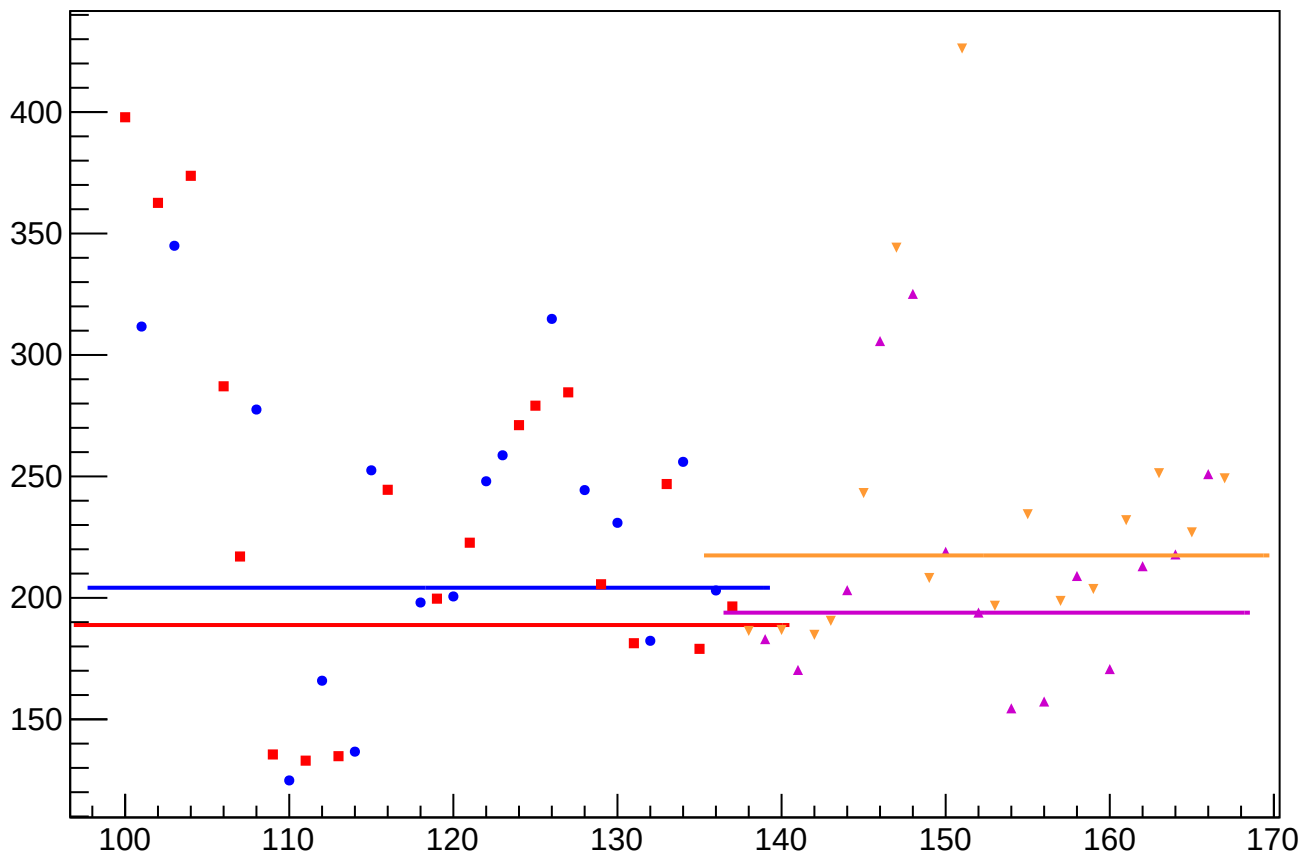
Left In: -523.060 ± 61.395 χ^2/NDF : 932.4/13

+ sign 391.053 ± 51.260 χ^2/NDF : 1753.7/32

All: 215.754 ± 34.918 χ^2/NDF : 3508.9/65

- sign 63.982 ± 47.696 χ^2/NDF : 1733.3/32

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

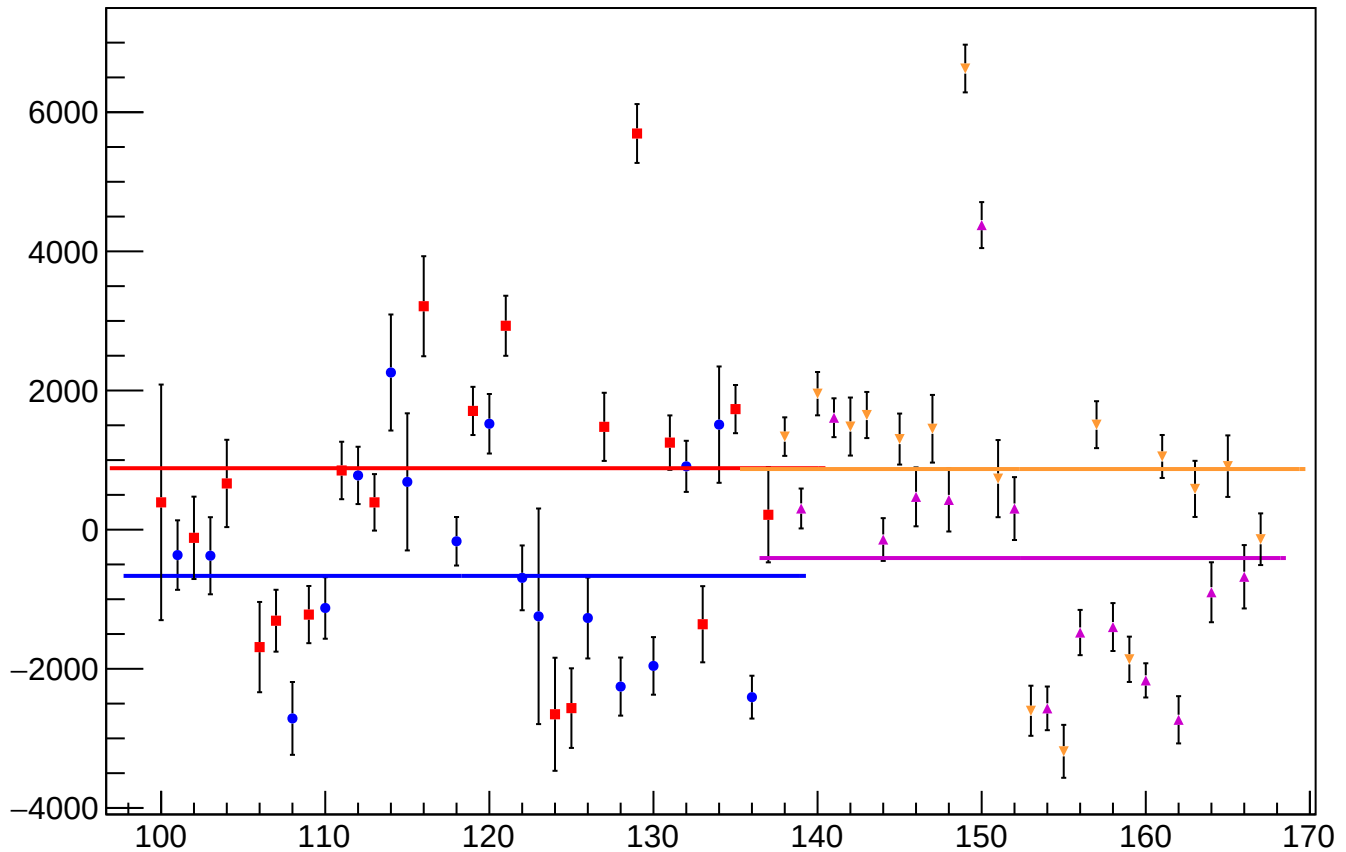
Left In: 193.908 $\pm$ 0.043 χ^2 /NDF: 845387.6/13

+ sign 212.417 $\pm$ 0.036 χ^2 /NDF: 1813804.4/32

All: 201.416 $\pm$ 0.025 χ^2 /NDF: 4151409.0/65

- sign 191.891 $\pm$ 0.034 χ^2 /NDF: 2165722.5/32

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

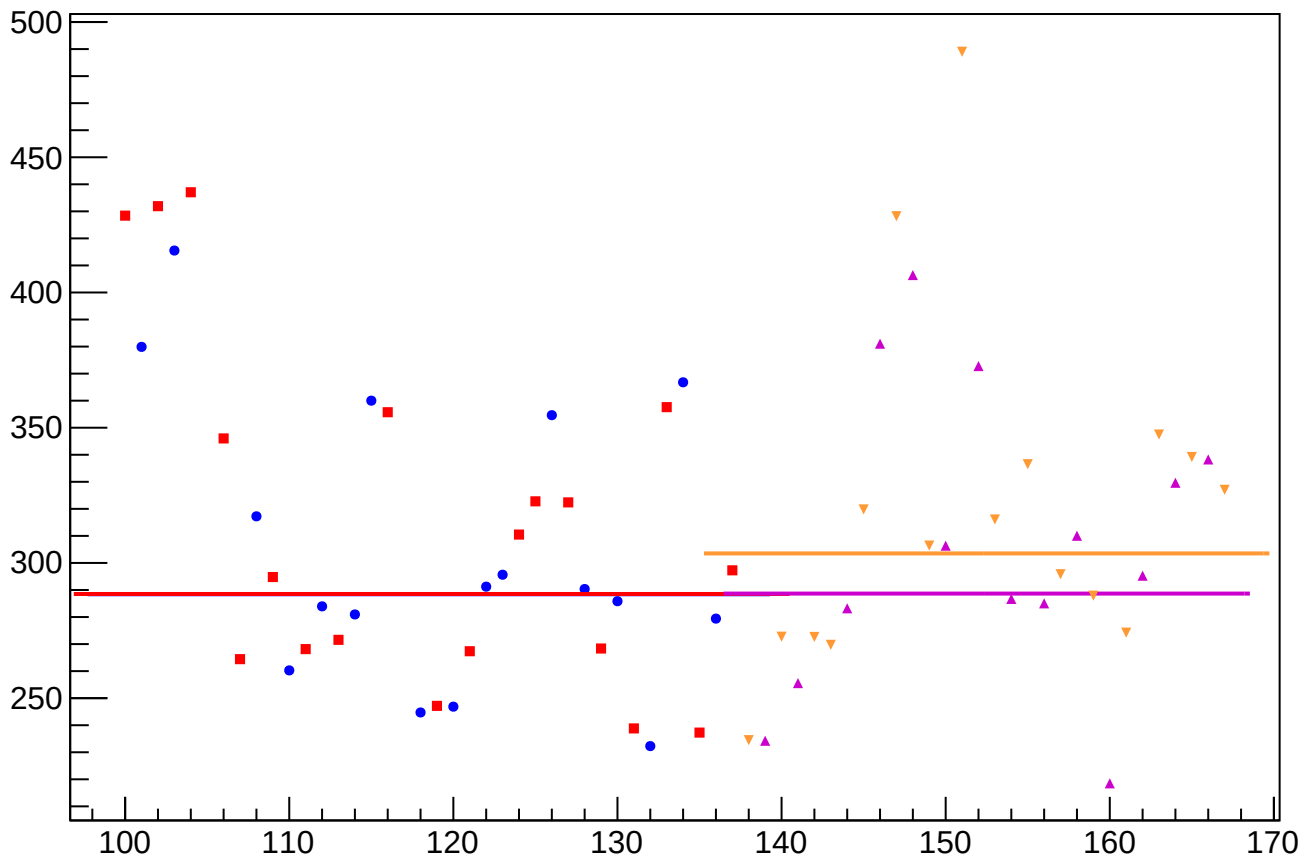
Left In: -407.953 ± 89.974 χ^2/NDF : 445.2/13

+ sign 281.313 ± 70.632 χ^2/NDF : 862.6/32

All: 192.054 ± 49.671 χ^2/NDF : 1712.7/65

- sign 104.723 ± 69.864 χ^2/NDF : 847.0/32

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

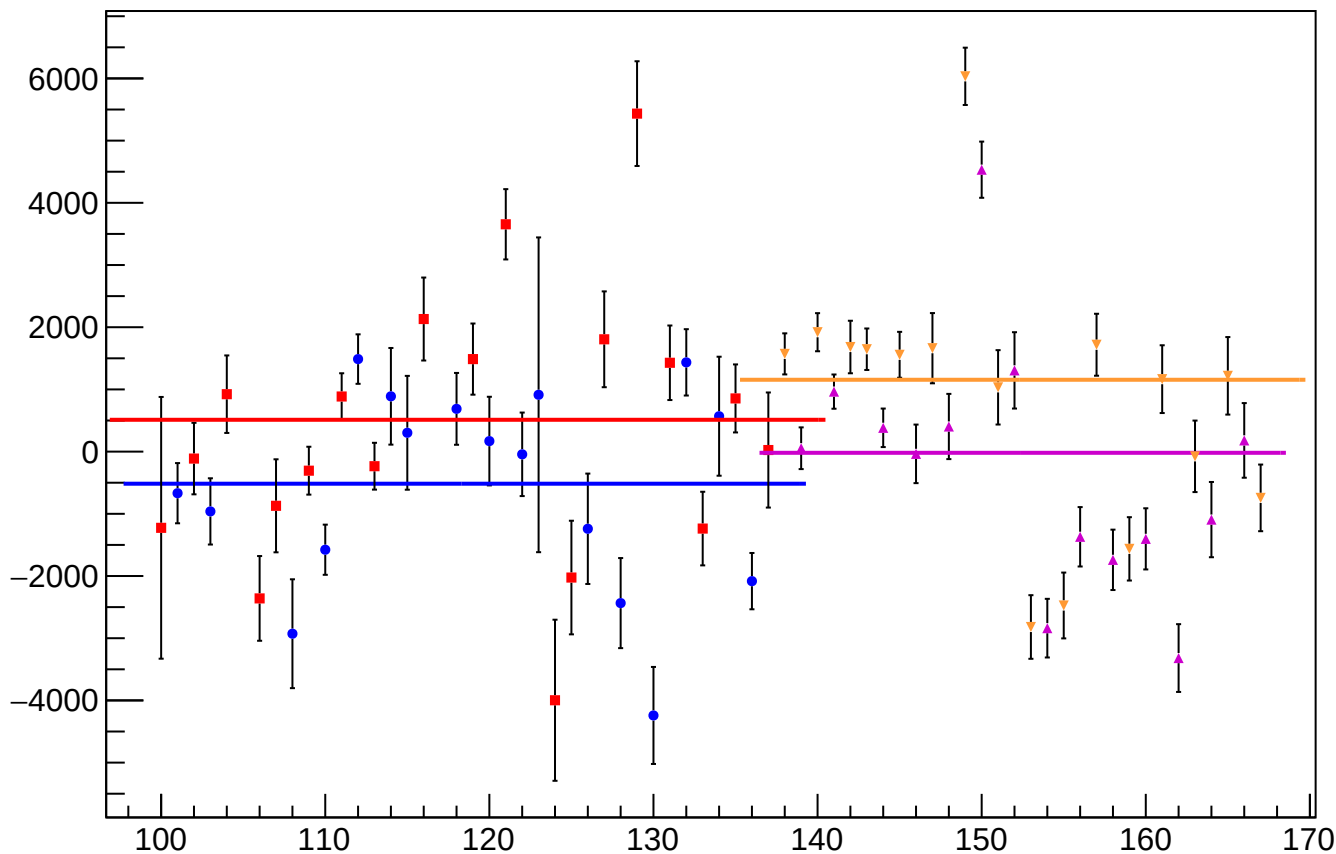
Left In: 288.672 $\pm$ 0.064 χ^2 /NDF: 619247.7/13

+ sign 297.721 $\pm$ 0.050 χ^2 /NDF: 982143.3/32

All: 293.117 $\pm$ 0.035 χ^2 /NDF: 2073615.3/65

- sign 288.613 $\pm$ 0.049 χ^2 /NDF: 1074660.1/32

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 $\chi^2/\text{NDF}: 141.3/18$

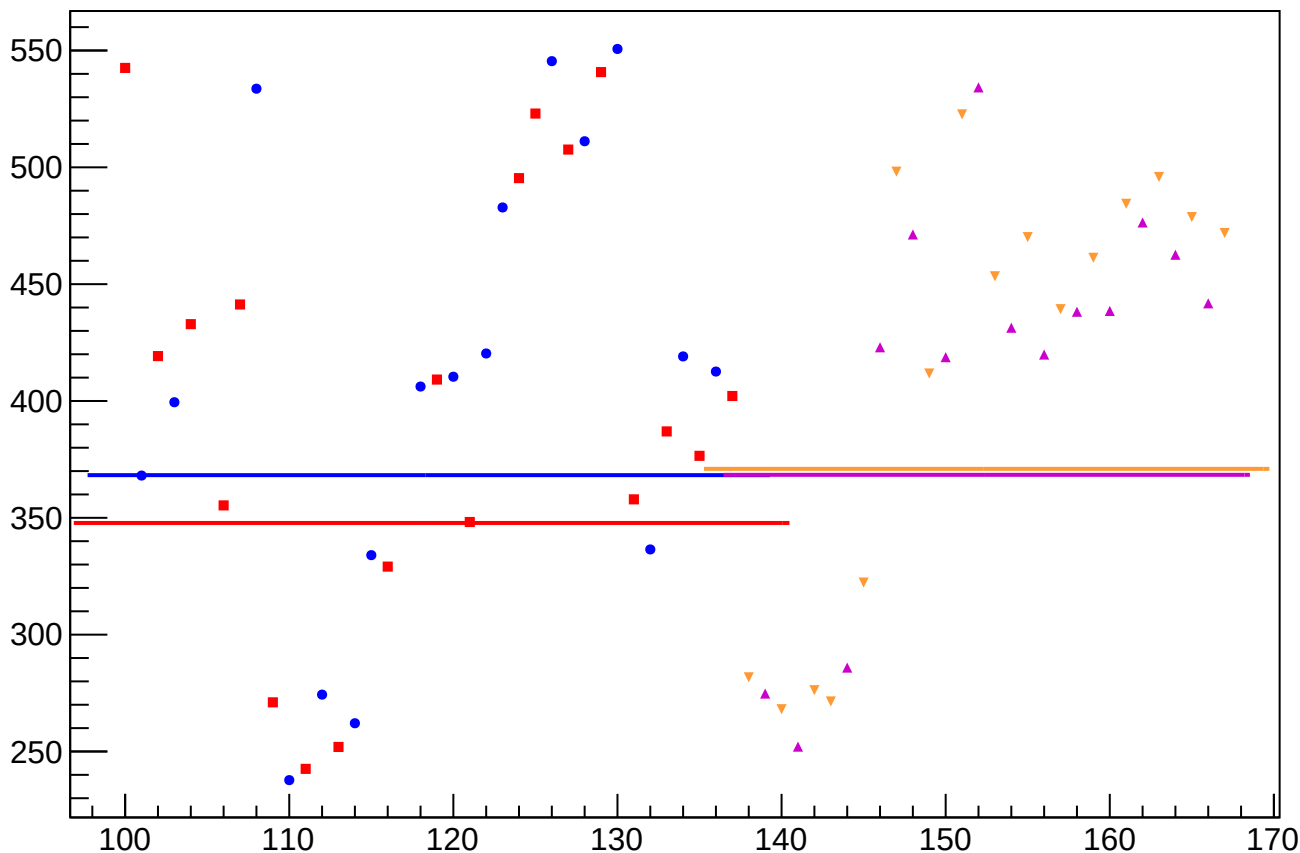
Left In: -19.061 ± 115.959 $\chi^2/\text{NDF}: 225.5/13$

+ sign 545.278 ± 89.008 $\chi^2/\text{NDF}: 469.8/32$

All: 373.463 ± 62.645 $\chi^2/\text{NDF}: 852.8/65$

- sign 204.815 ± 88.184 $\chi^2/\text{NDF}: 375.7/32$

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

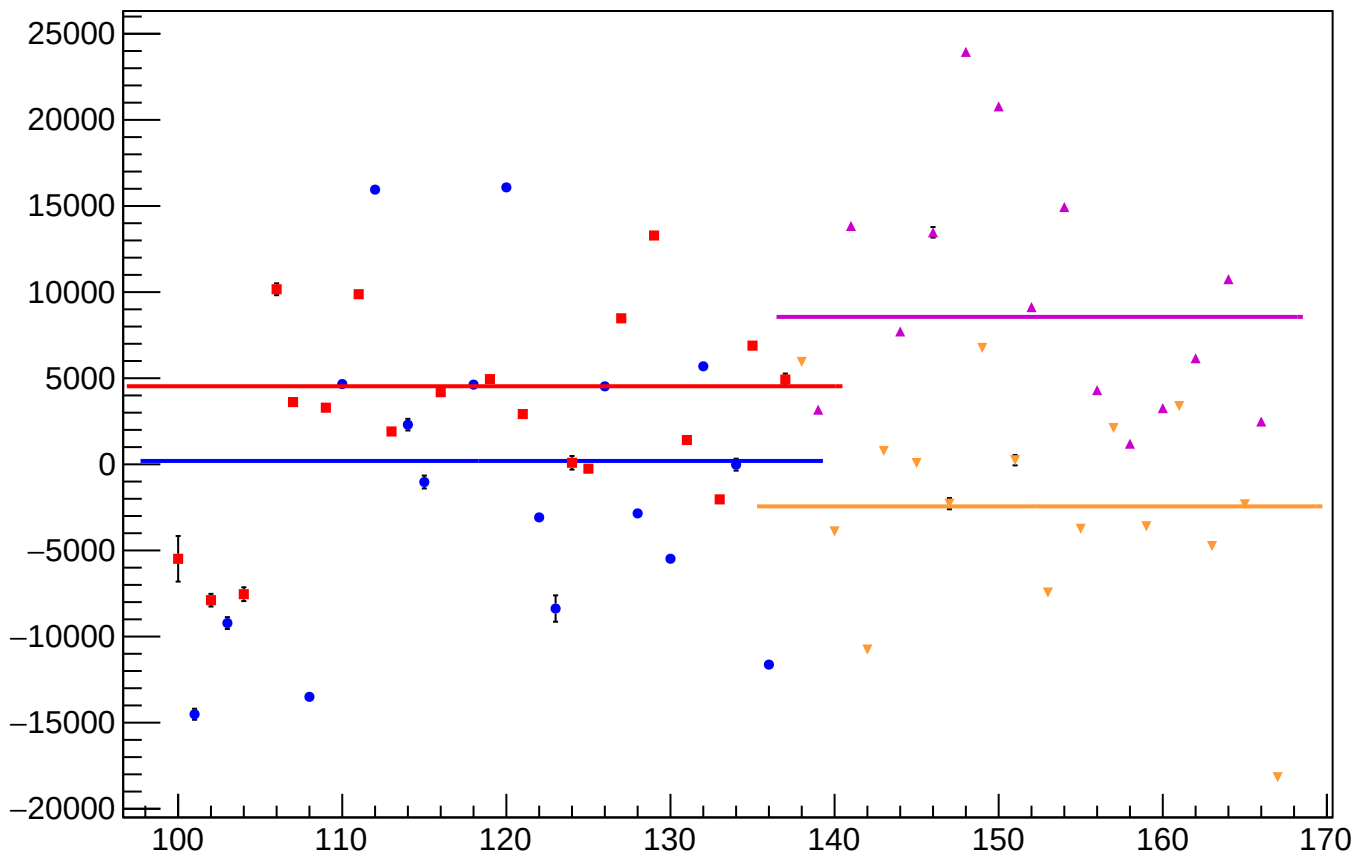
Left In: 368.398+/-0.082 χ^2/NDF : 1227687.7/13

+ sign 369.974+/-0.063 χ^2/NDF : 2236442.4/32

All: 364.796+/-0.044 χ^2/NDF : 4326011.8/65

- sign 359.713+/-0.062 χ^2/NDF : 2076155.8/32

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

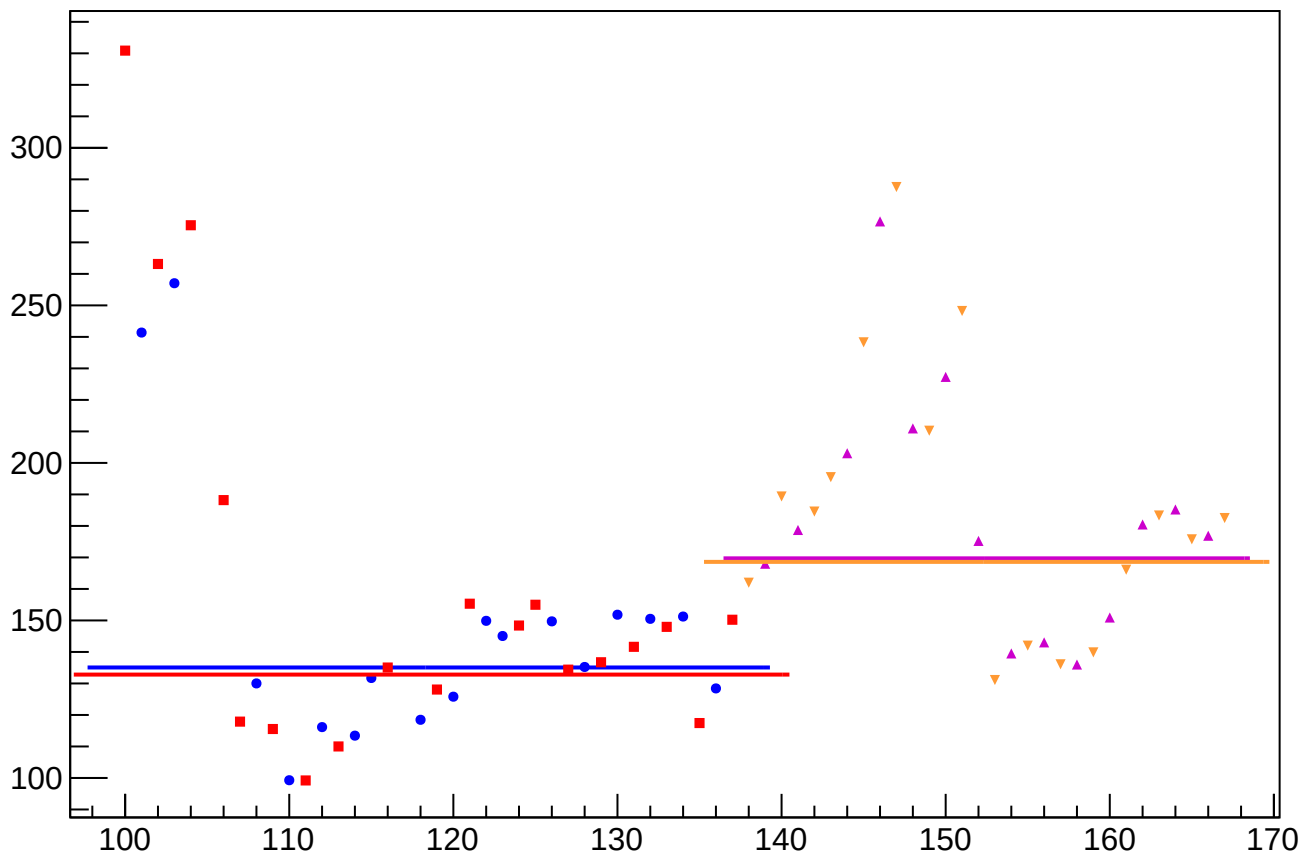
Left In: 8561.623 ± 53.501 χ^2/NDF : 14756.2/13

+ sign -1228.451 ± 37.146 χ^2/NDF : 45581.7/32

All: 2607.552 ± 26.376 χ^2/NDF : 92213.5/65

- sign 6508.393 ± 37.458 χ^2/NDF : 25122.4/32

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

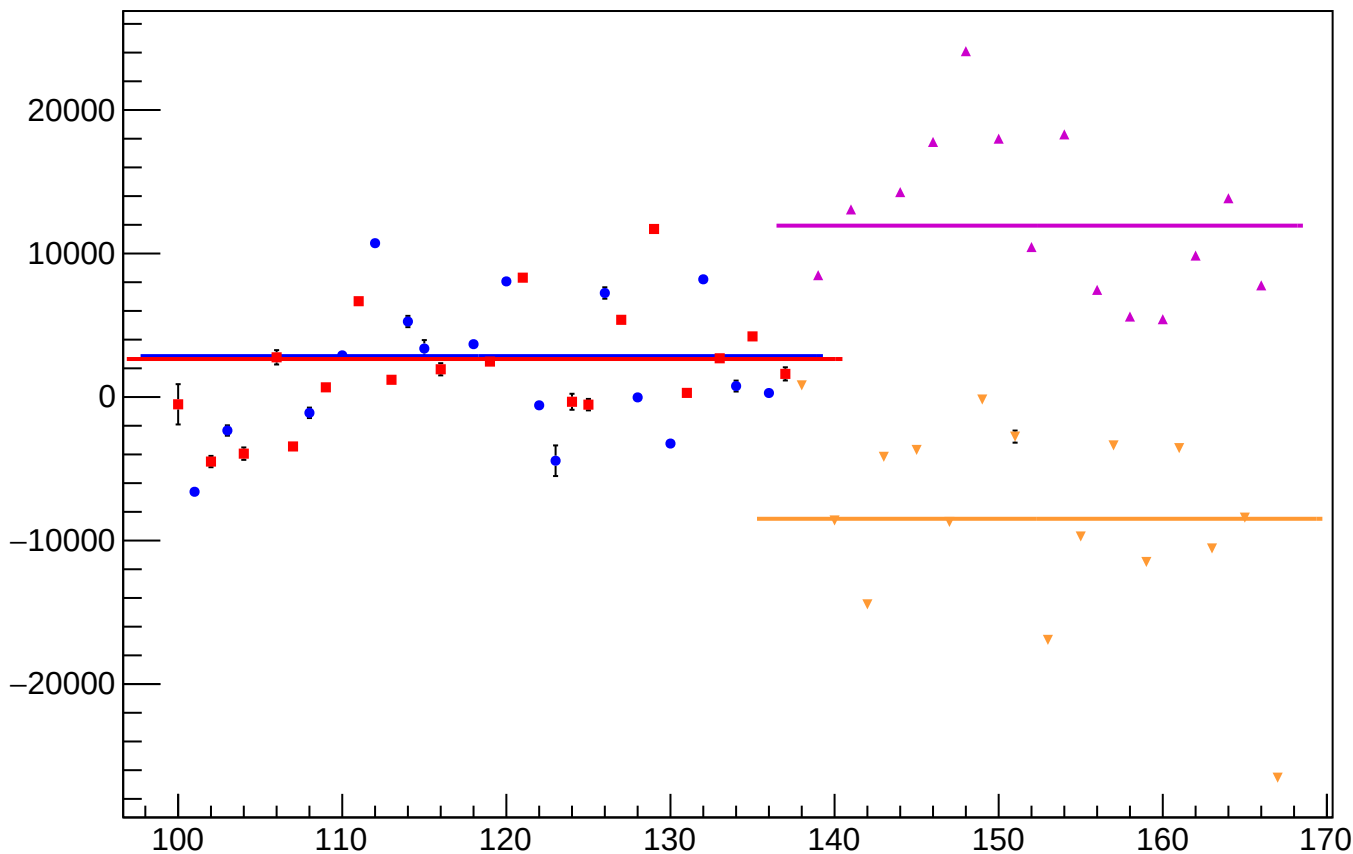
Left In: 169.710+/-0.038 χ^2/NDF : 731116.7/13

+ sign 153.189+/-0.026 χ^2/NDF : 2076021.3/32

All: 152.055+/-0.019 χ^2/NDF : 4126956.1/65

- sign 150.901+/-0.026 χ^2/NDF : 2047173.3/32

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

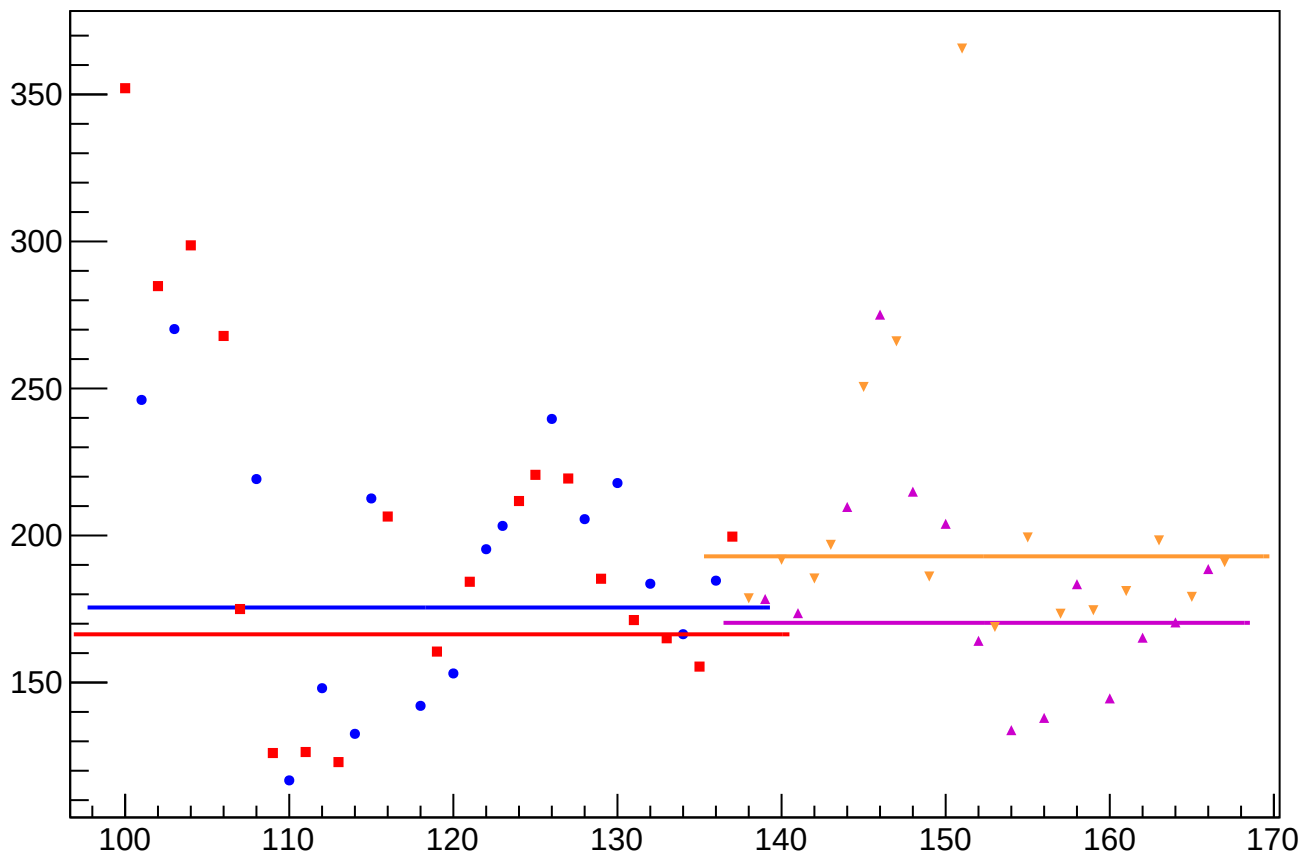
Left In: 11942.145+/-53.752 χ^2/NDF :9700.3/13

+ sign -3979.666+/-44.598 χ^2/NDF : 34742.9/32

All: 2541.421+/-30.424 χ^2/NDF : 99589.2/65

- sign 8218.081+/-41.610 χ^2/NDF : 24854.2/32

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

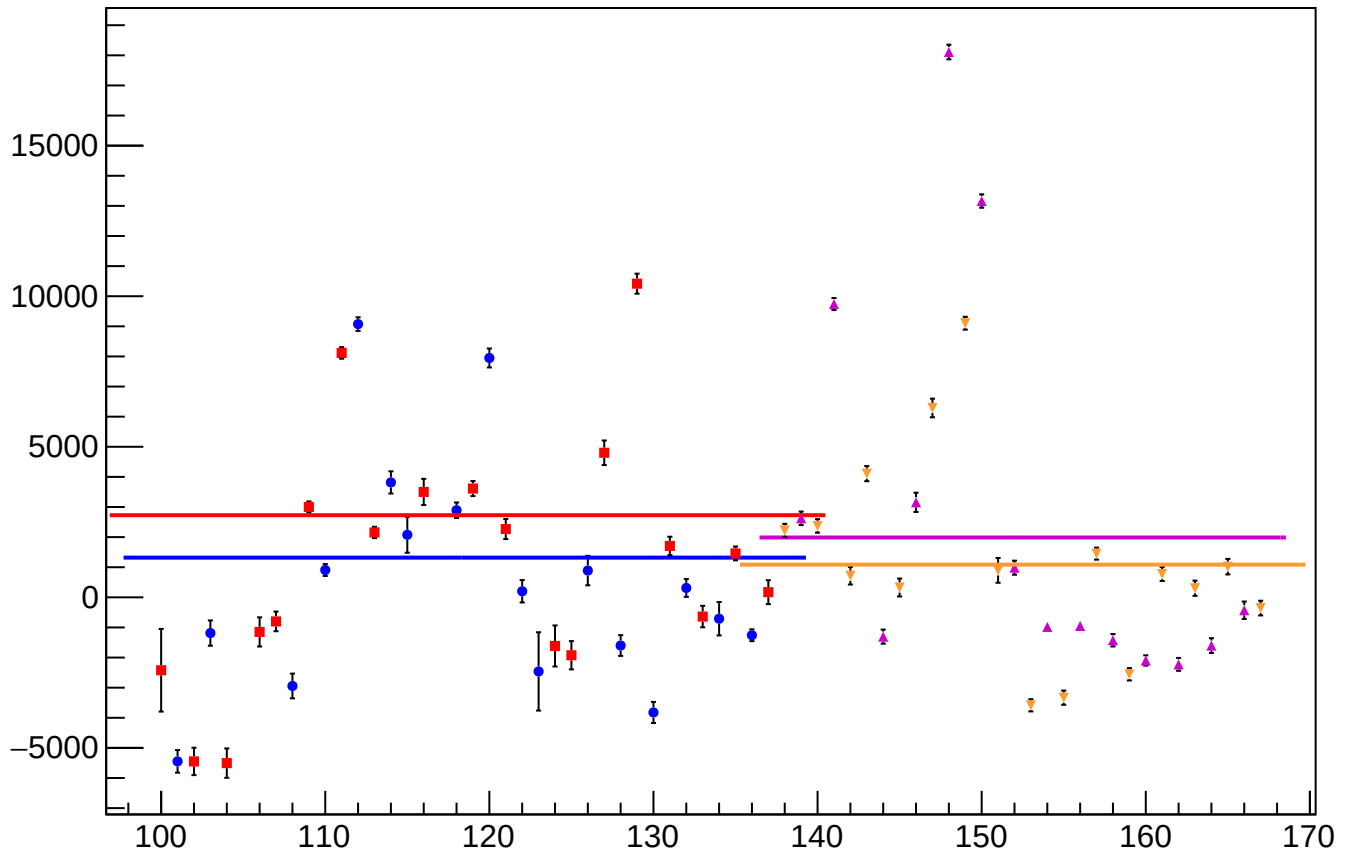
Left In: 170.300 $\pm$ 0.038 χ^2 /NDF: 686292.8/13

+ sign 185.999 $\pm$ 0.032 χ^2 /NDF: 1390588.3/32

All: 176.769 $\pm$ 0.022 χ^2 /NDF: 3170893.0/65

- sign 168.735 $\pm$ 0.029 χ^2 /NDF: 1620062.9/32

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 $\pm$ 77.146 χ^2 /NDF: 2667.0/16

Left Out: 1086.184 $\pm$ 60.371 χ^2 /NDF:3154.3/15

Right Out: 2727.798 $\pm$ 70.029 χ^2 /NDF: 2495.9/18

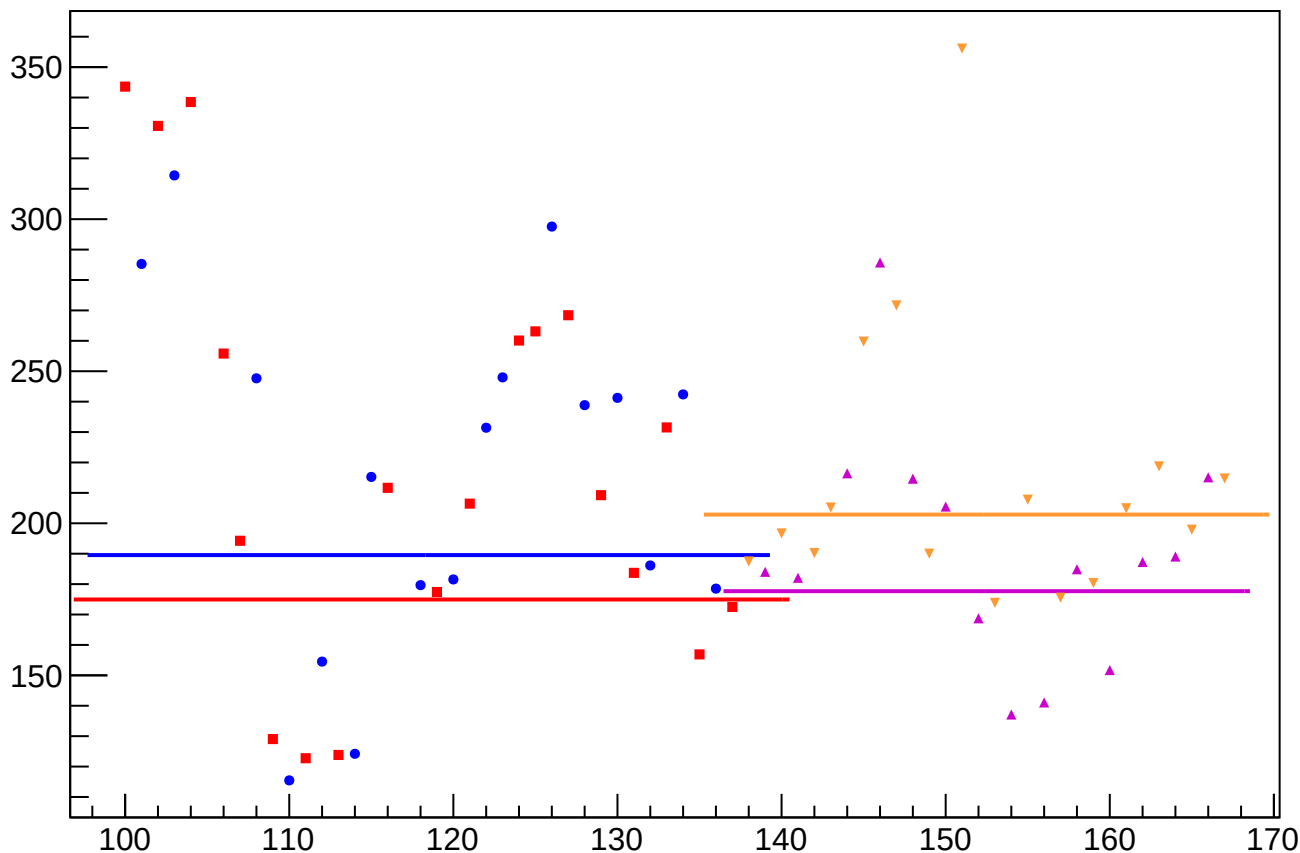
Left In: 1987.401 $\pm$ 56.136 χ^2 /NDF:10875.9/13

+ sign 1174.613 $\pm$ 47.544 χ^2 /NDF: 5826.9/32

All: 1770.931 $\pm$ 32.214 χ^2 /NDF: 19557.6/65

- sign 2277.044 $\pm$ 43.800 χ^2 /NDF: 13439.8/32

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

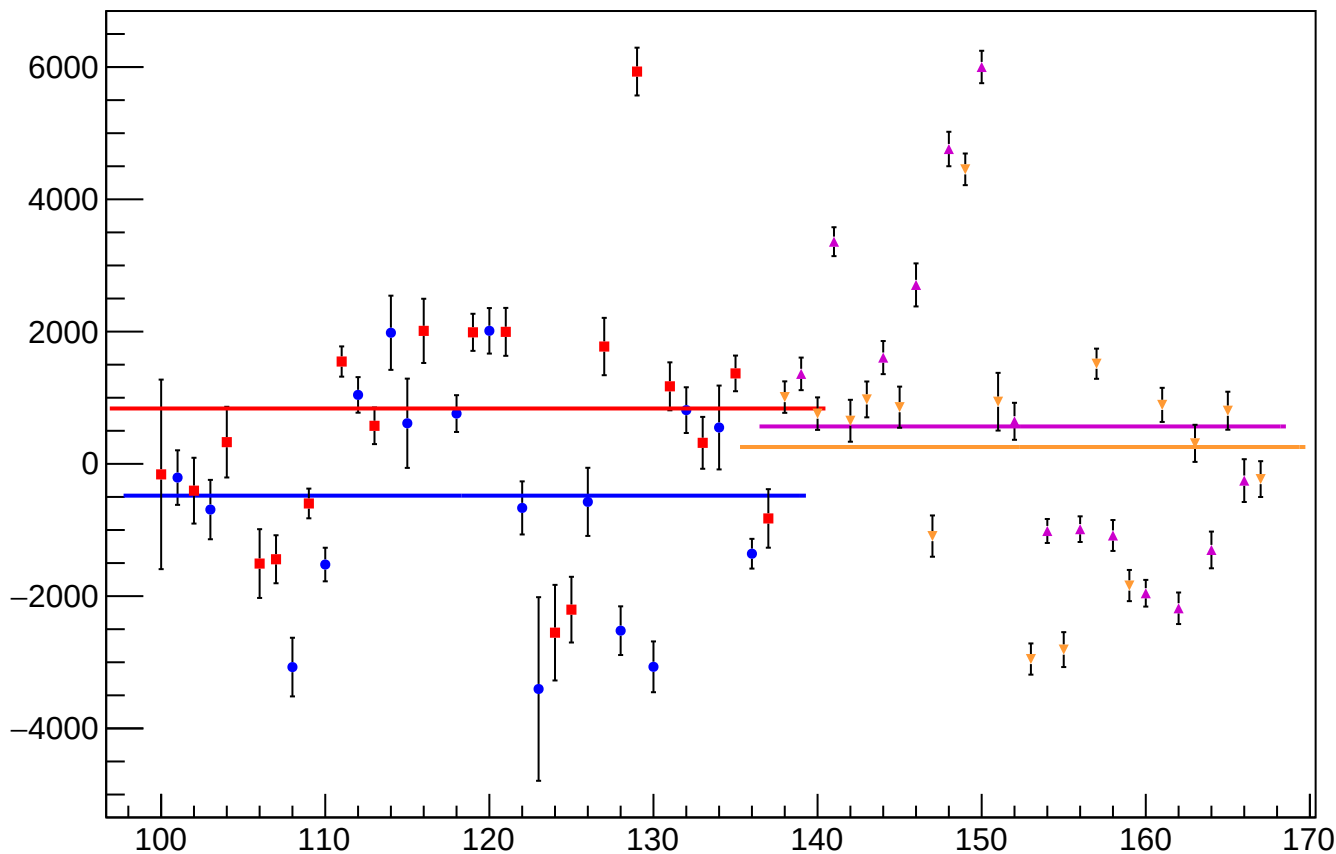
Left In: 177.677 $\pm$ 0.040 χ^2 /NDF: 700581.7/13

+ sign 197.803 $\pm$ 0.034 χ^2 /NDF: 1605631.4/32

All: 186.338 $\pm$ 0.023 χ^2 /NDF: 3820169.8/65

- sign 176.608 $\pm$ 0.031 χ^2 /NDF: 1999543.4/32

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

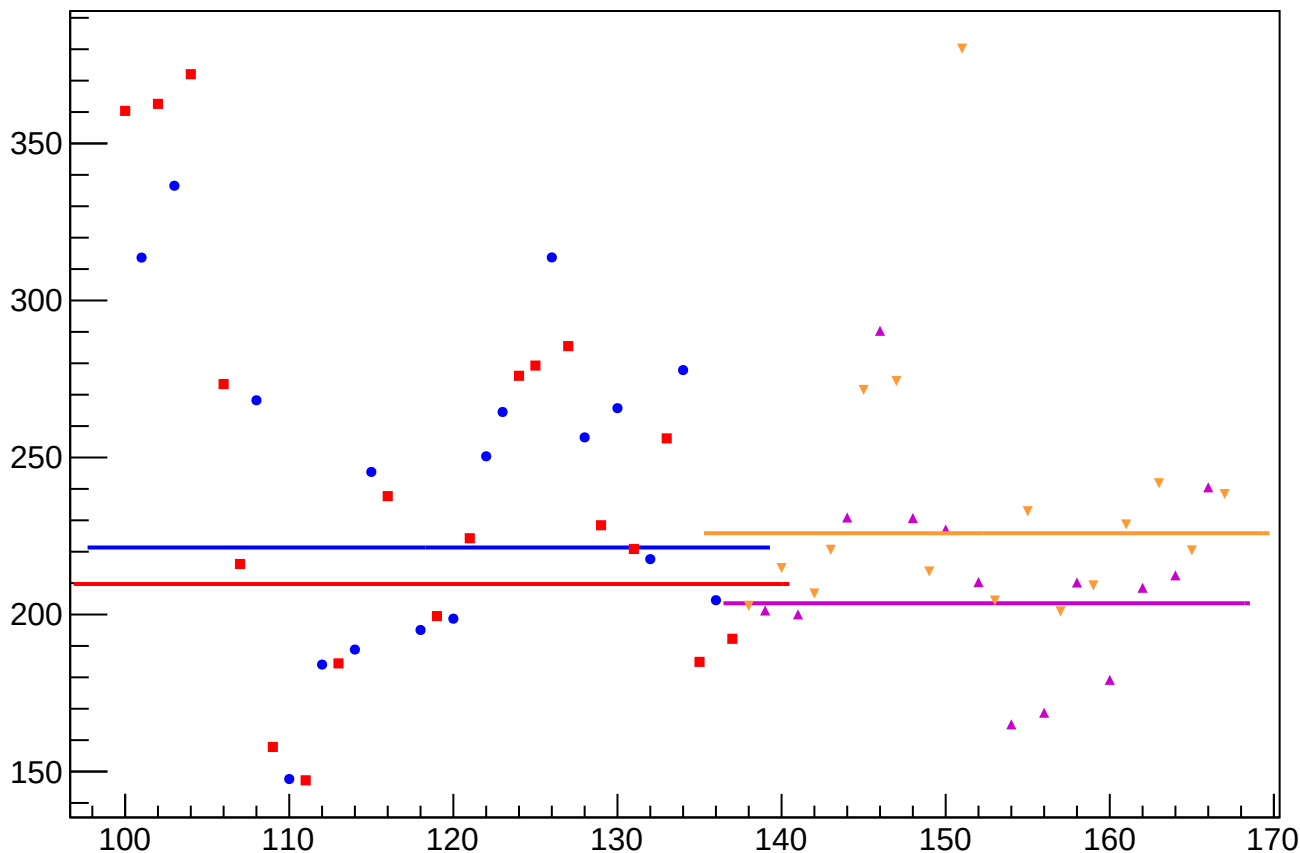
Left In: 565.851 ± 63.631 χ^2/NDF : 1516.8/13

+ sign -11.486 ± 53.351 χ^2/NDF : 1131.8/32

All: 347.819 ± 36.609 χ^2/NDF : 3176.5/65

- sign 667.549 ± 50.327 χ^2/NDF : 1958.9/32

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

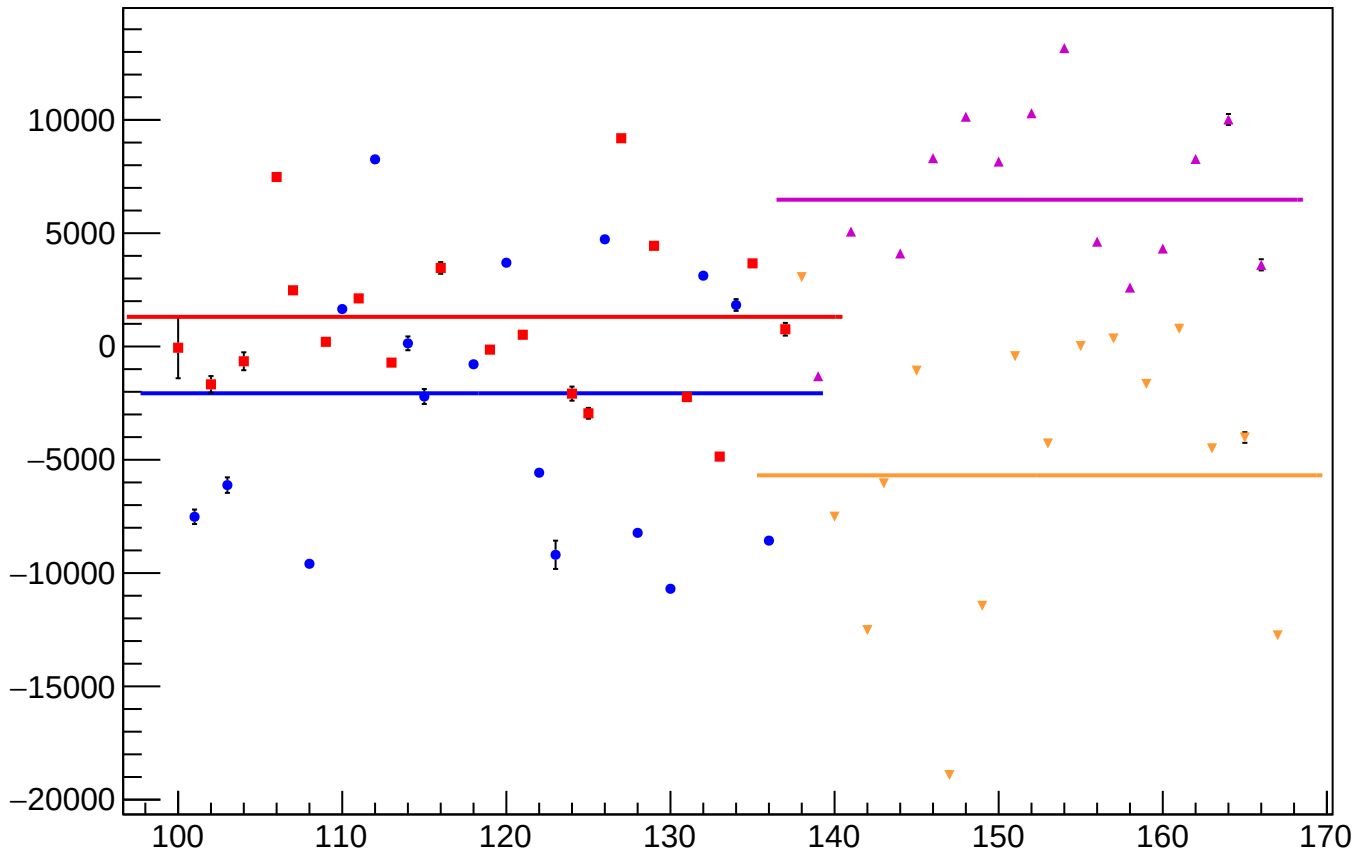
Left In: 203.590 $\pm$ 0.045 χ^2 /NDF: 422645.2/13

+ sign 224.241 $\pm$ 0.038 χ^2 /NDF: 1089982.4/32

All: 214.528 $\pm$ 0.026 χ^2 /NDF: 2528777.4/65

- sign 205.884 $\pm$ 0.036 χ^2 /NDF: 1313504.6/32

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 $\chi^2/\text{NDF}: 5894.4/18$

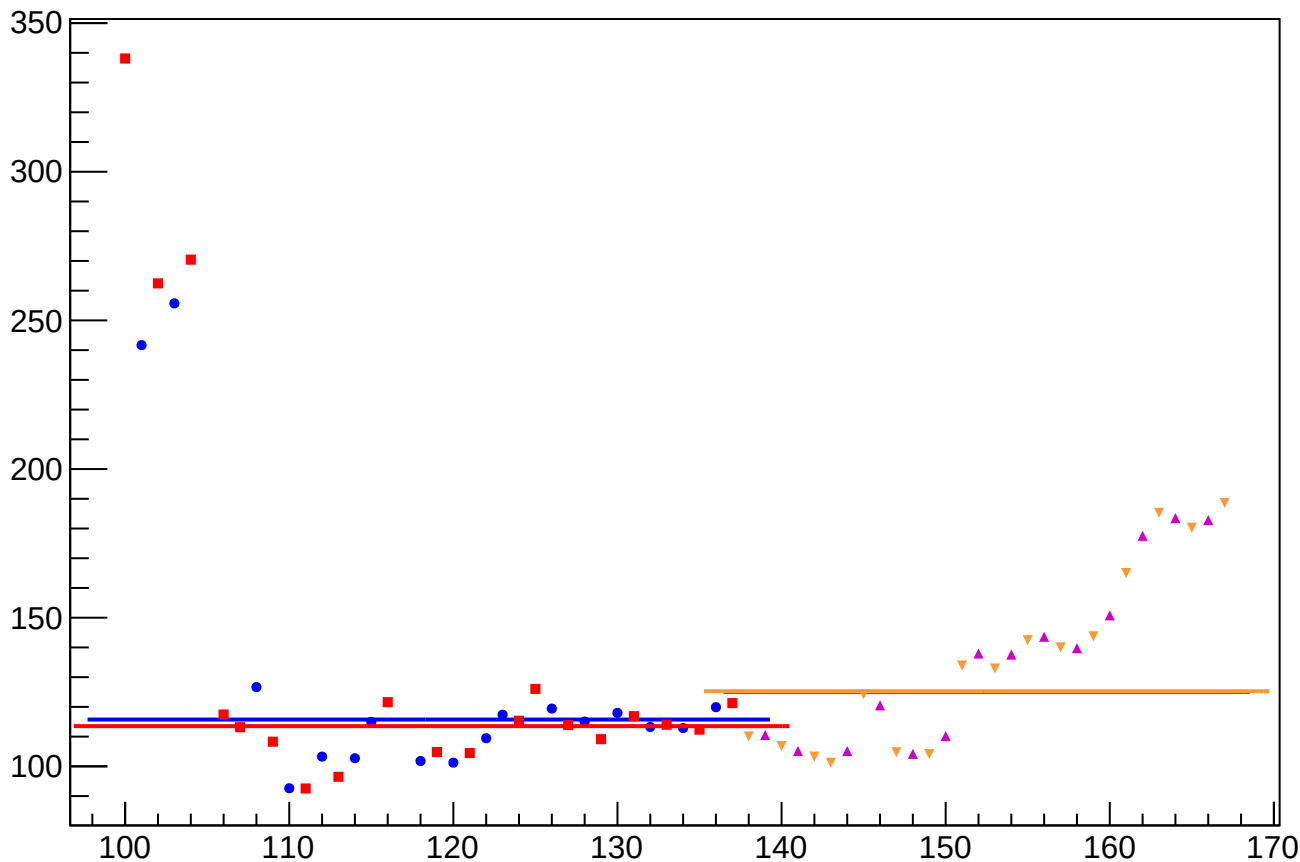
Left In: 6478.135 ± 38.921 $\chi^2/\text{NDF}: 9102.2/13$

+ sign -4294.614 ± 29.338 $\chi^2/\text{NDF}: 49455.4/32$

All: -28.956 ± 20.780 $\chi^2/\text{NDF}: 114426.9/65$

- sign 4265.884 ± 29.438 $\chi^2/\text{NDF}: 22546.1/32$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 125.275+/-0.026 χ^2/NDF : 917634.8/15

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

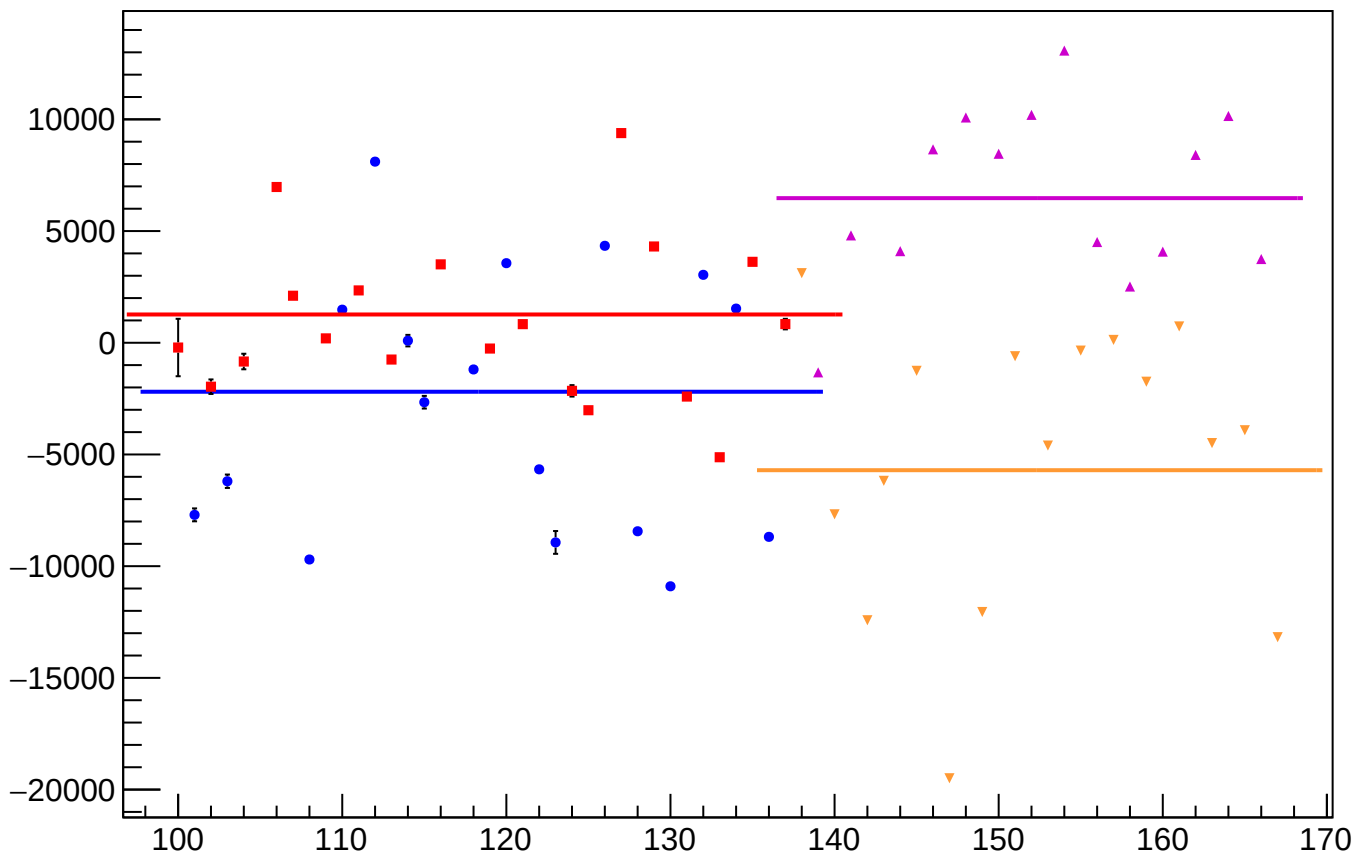
Left In: 124.997+/-0.028 χ^2/NDF : 718192.0/13

+ sign 121.611+/-0.021 χ^2/NDF : 1711640.7/32

All: 120.851+/-0.015 χ^2/NDF : 3303604.2/65

- sign 120.085+/-0.021 χ^2/NDF : 1589270.0/32

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

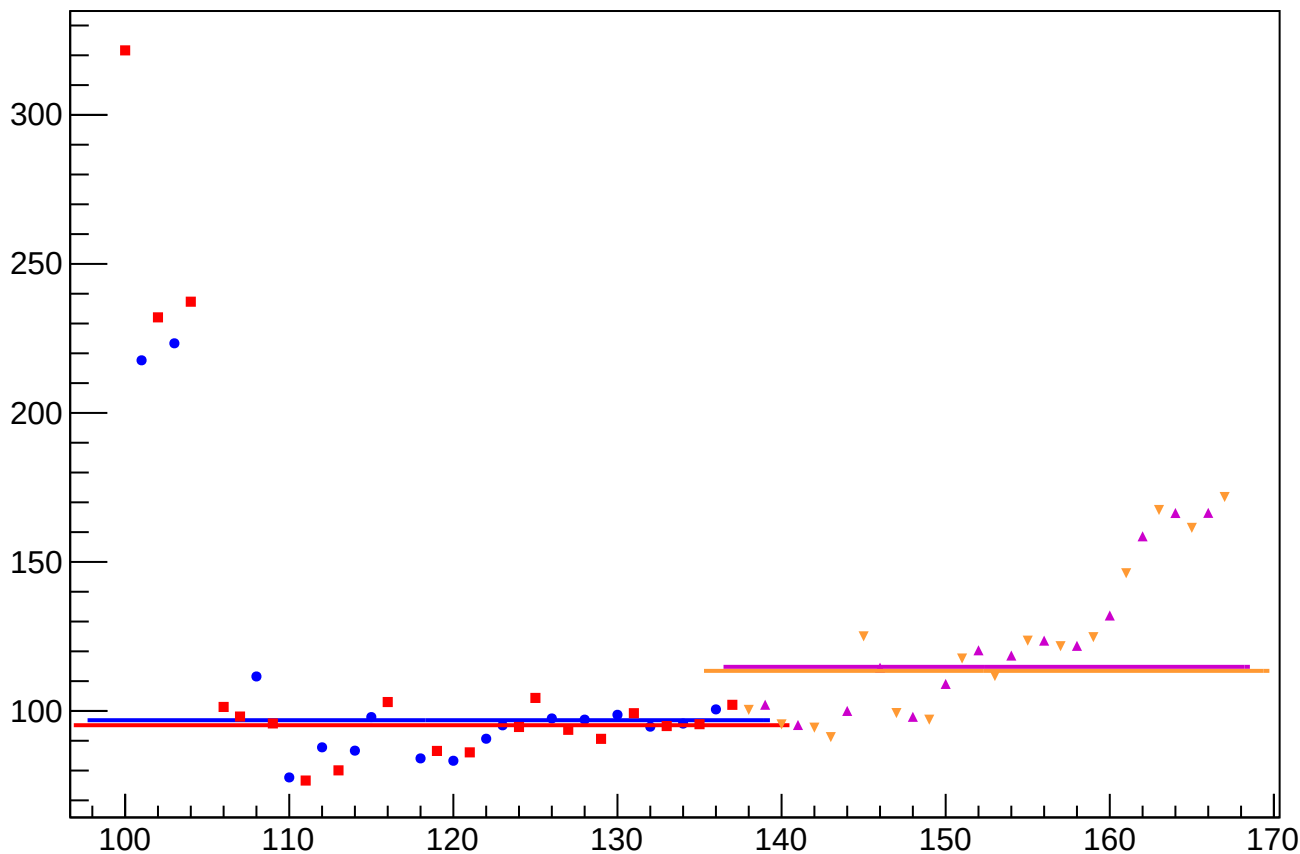
Left In: 6473.320+/-35.644 χ^2/NDF : 11353.8/13

+ sign -4237.158+/-25.816 χ^2/NDF : 63102.4/32

All: -130.161+/-18.324 χ^2/NDF : 143984.9/65

- sign 4039.484+/-26.012 χ^2/NDF : 29879.6/32

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

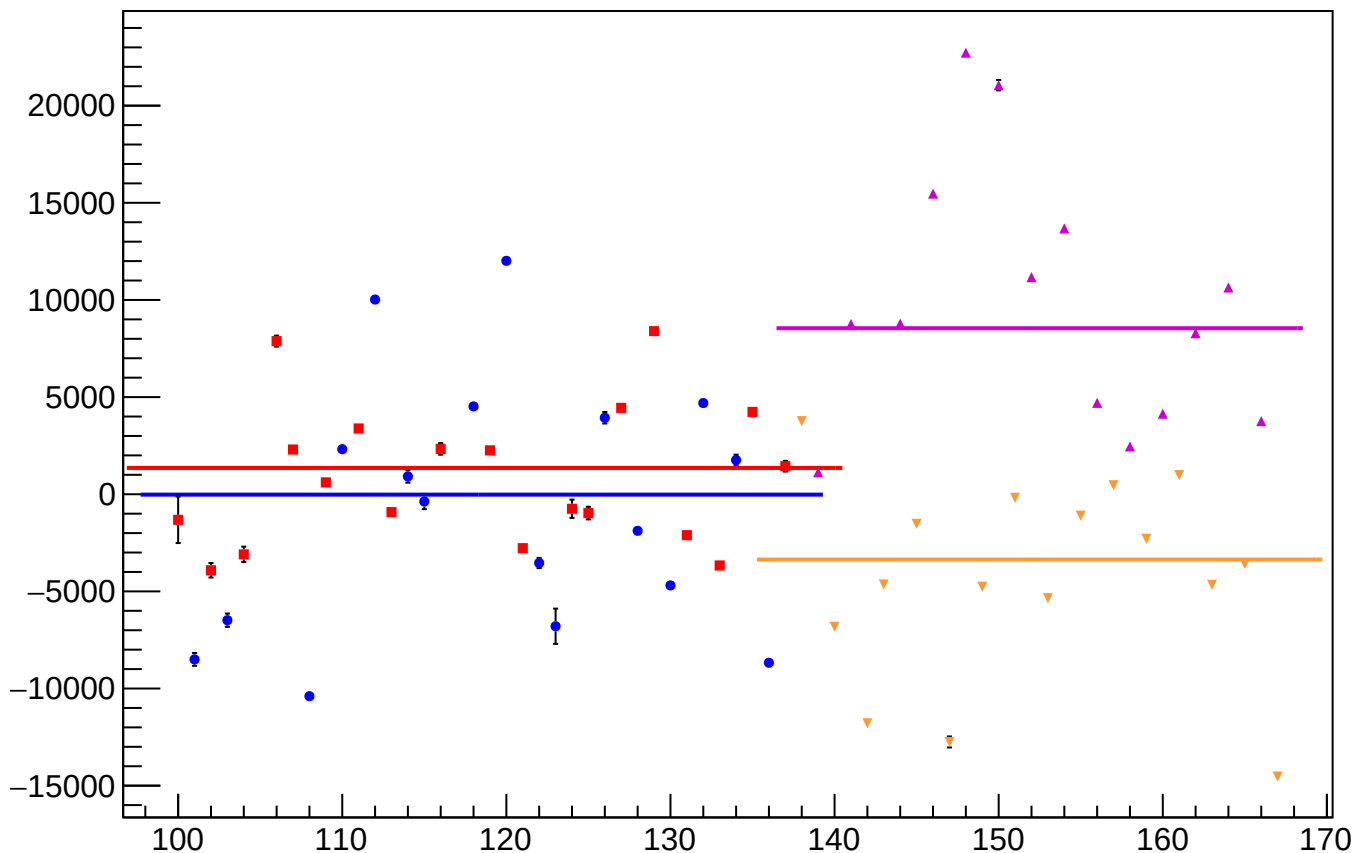
Left In: 114.800+/-0.025 χ^2/NDF : 556567.4/13

+ sign 106.535+/-0.018 χ^2/NDF : 1842004.0/32

All: 106.094+/-0.013 χ^2/NDF : 3541842.4/65

- sign 105.645+/-0.018 χ^2/NDF : 1698659.3/32

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -3359.105 ± 47.038 $\chi^2/\text{NDF}: 9513.8/15$

Right Out: 1353.461 ± 52.367 $\chi^2/\text{NDF}: 3837.2/18$

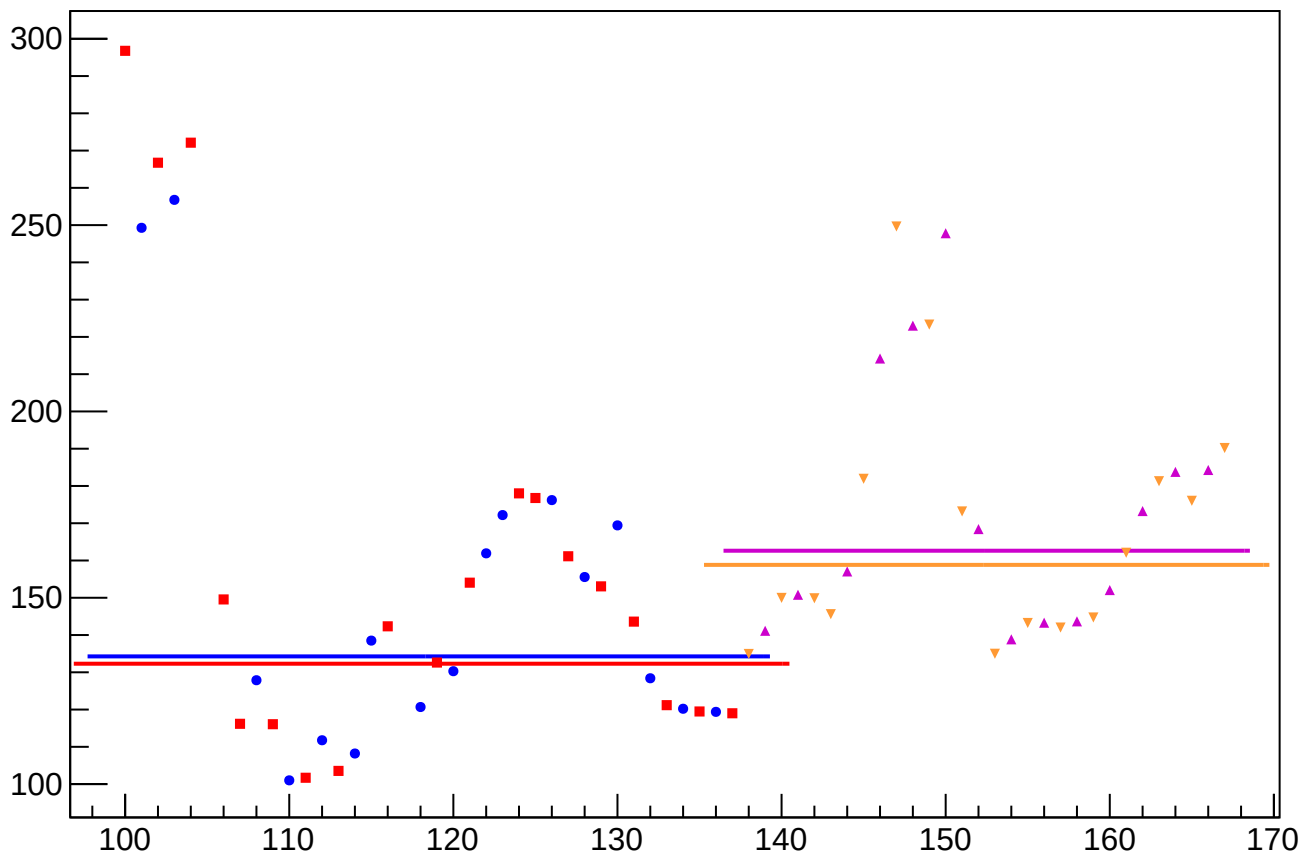
Left In: 8546.103 ± 50.564 $\chi^2/\text{NDF}: 12406.5/13$

+ sign -1937.901 ± 35.649 $\chi^2/\text{NDF}: 28019.6/32$

All: 1498.250 ± 25.461 $\chi^2/\text{NDF}: 72989.4/65$

- sign 5075.696 ± 36.375 $\chi^2/\text{NDF}: 26006.6/32$

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

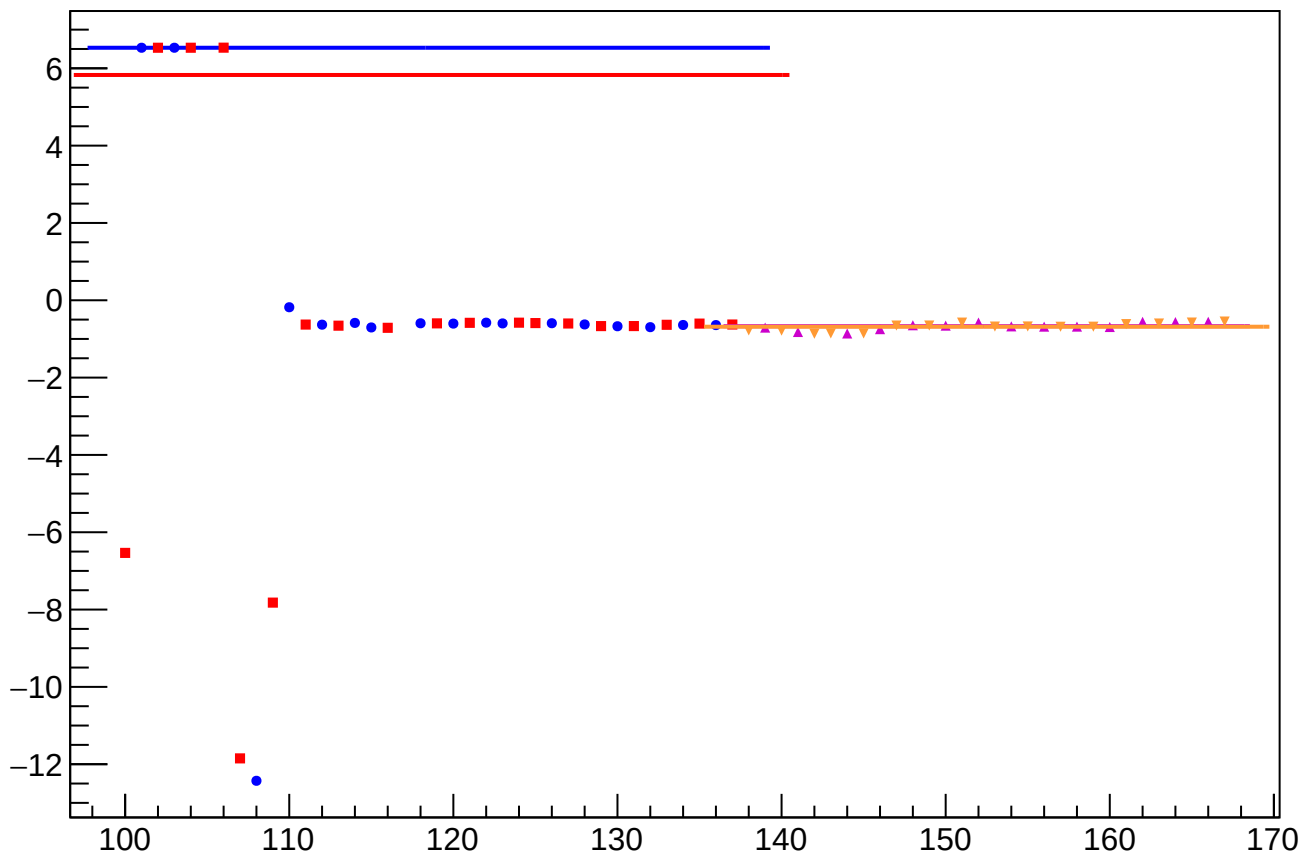
Left In: 162.623 $\pm$ 0.036 χ^2 /NDF: 604261.0/13

+ sign 148.373 $\pm$ 0.025 χ^2 /NDF: 1641266.1/32

All: 148.187 $\pm$ 0.018 χ^2 /NDF: 3462521.8/65

- sign 147.993 $\pm$ 0.026 χ^2 /NDF: 1821144.5/32

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

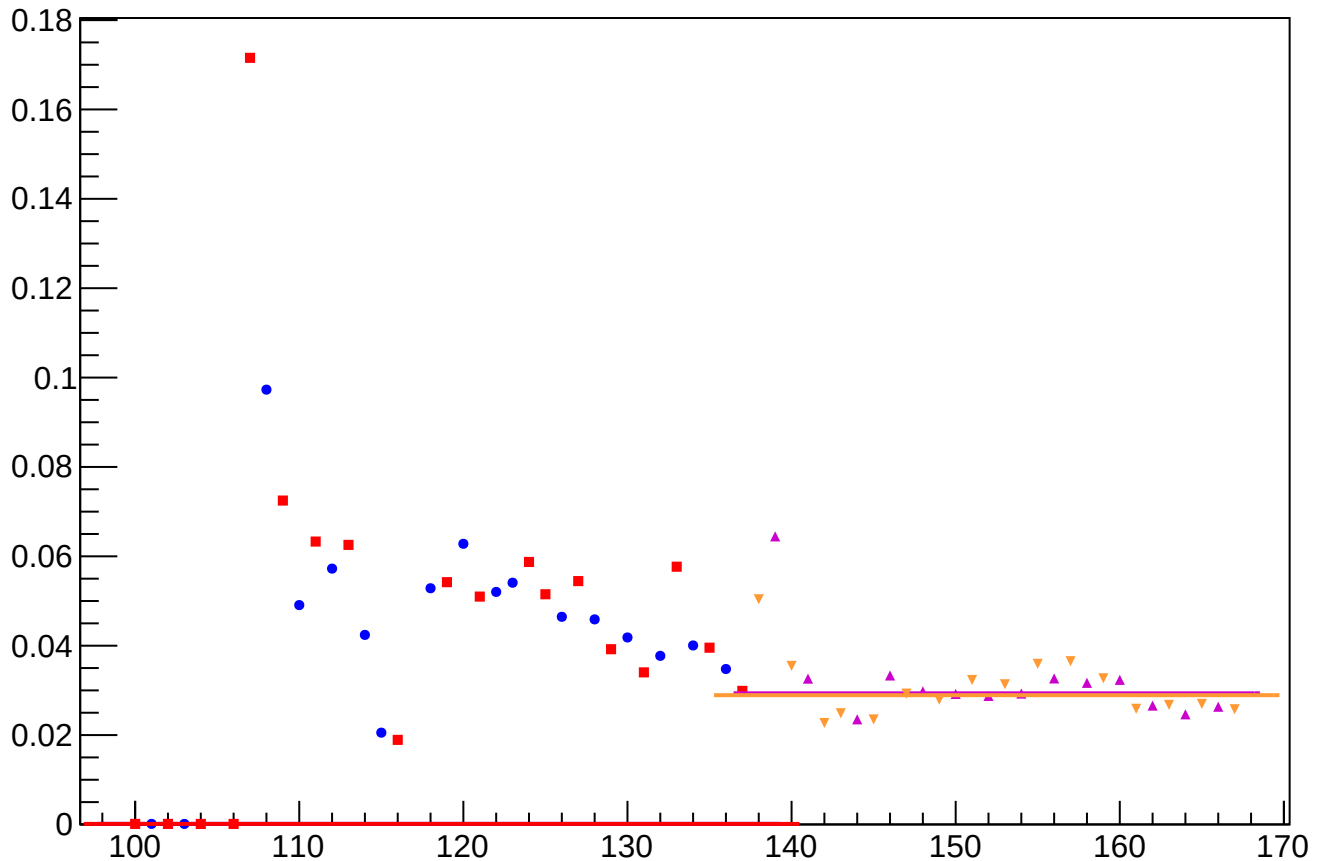
Left In: -0.670 $\pm$ 0.000 χ^2 /NDF: 94175895.7/13

+ sign 6.531 $\pm$ 0.000 χ^2 /NDF: 713386013313.2/32

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77707415635755

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756373206011051.6/18

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

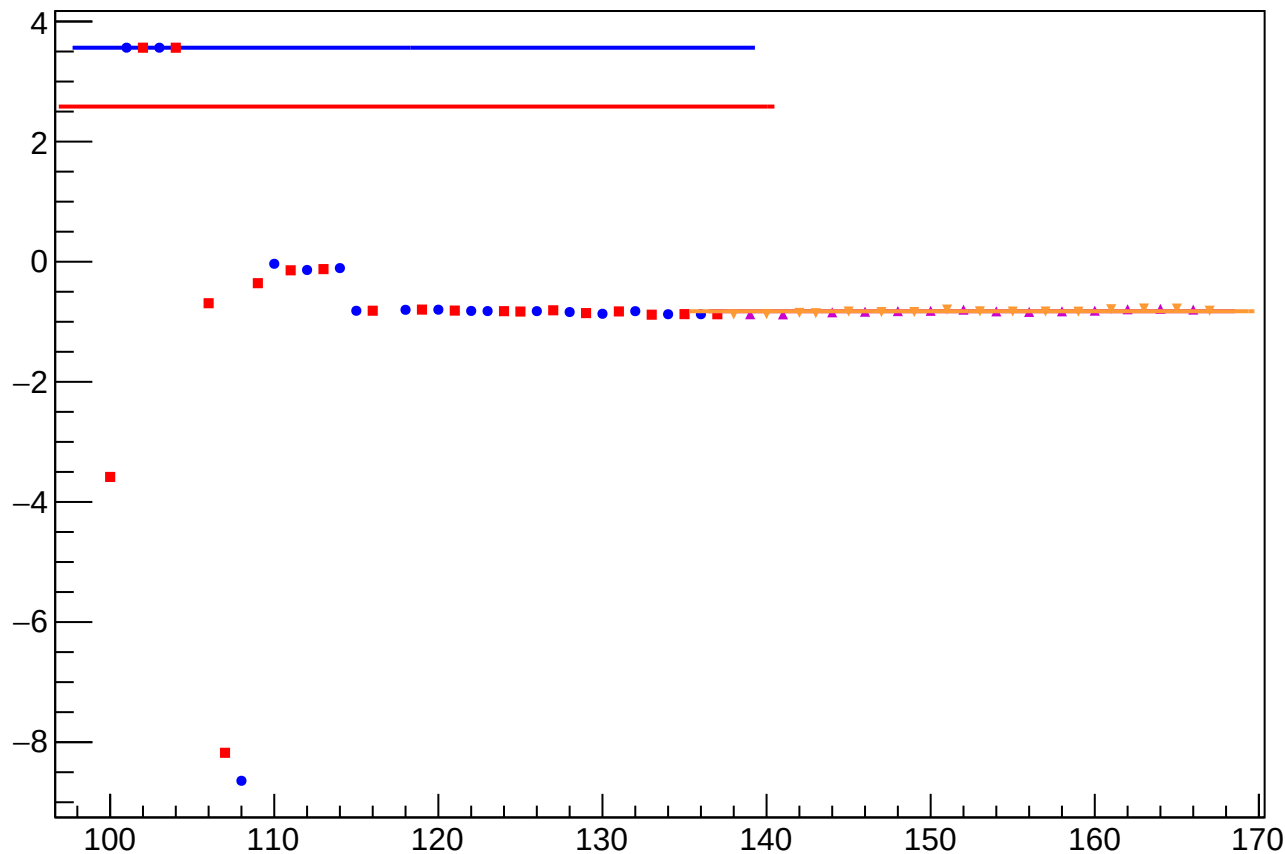
Left In: 0.029+/-0.000 χ^2/NDF : 591817.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 28269123.1/32

All: 0.000+/-0.000 χ^2/NDF : 55402315.0/65

- sign 0.000+/-0.000 χ^2/NDF : 27132618.1/32

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

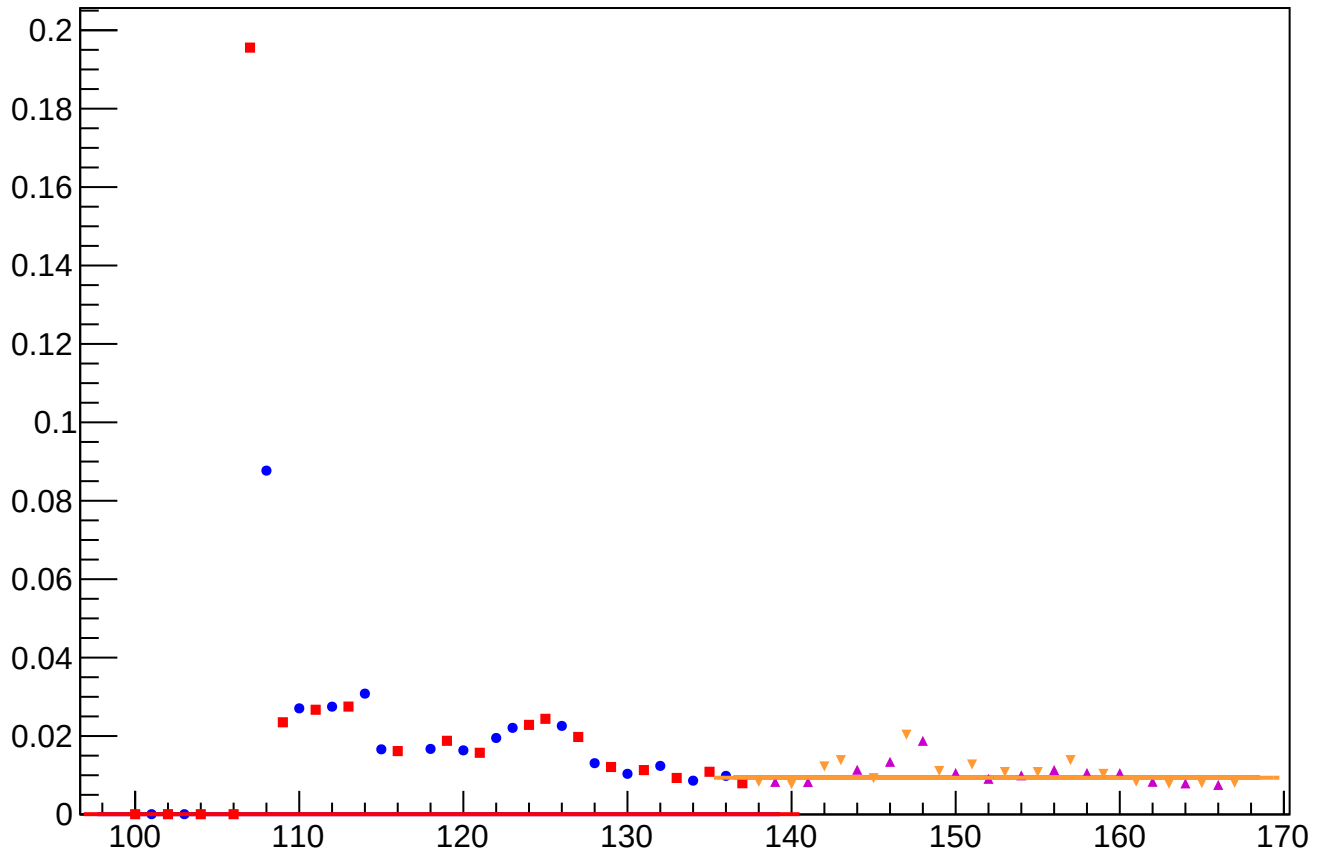
Left In: -0.824+/-0.000 χ^2/NDF : 97992451.2/13

+ sign 3.561+/-0.000 χ^2/NDF : 2527739909397.0/32

All: 3.039+/-0.000 χ^2/NDF : 13852737719415

- sign 2.582+/-0.000 χ^2/NDF : 1254614945120806.0

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

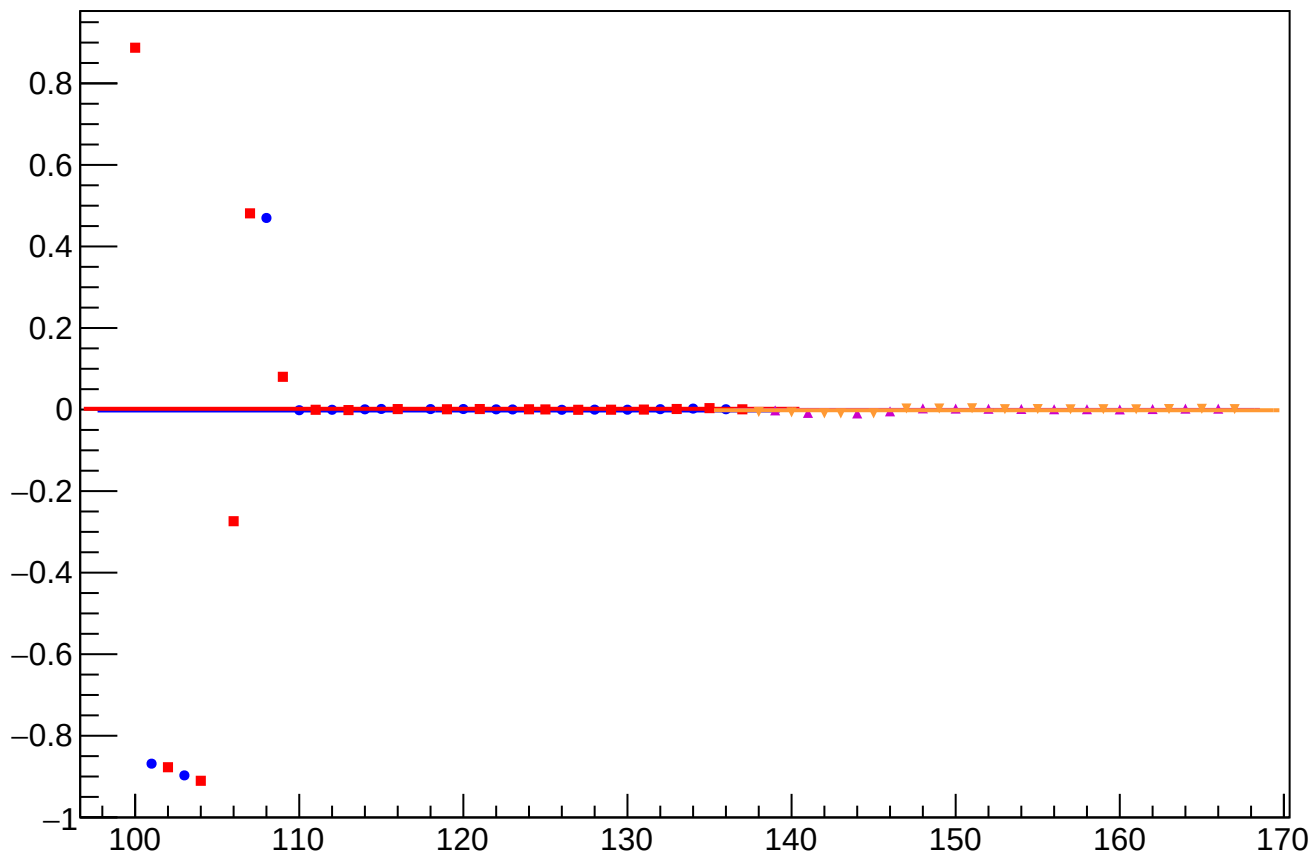
Left In: 0.009+/-0.000 χ^2/NDF :746884.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 29227005.0/32

All: 0.000+/-0.000 χ^2/NDF : 56607652.3/65

- sign 0.000+/-0.000 χ^2/NDF : 27379742.9/32

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

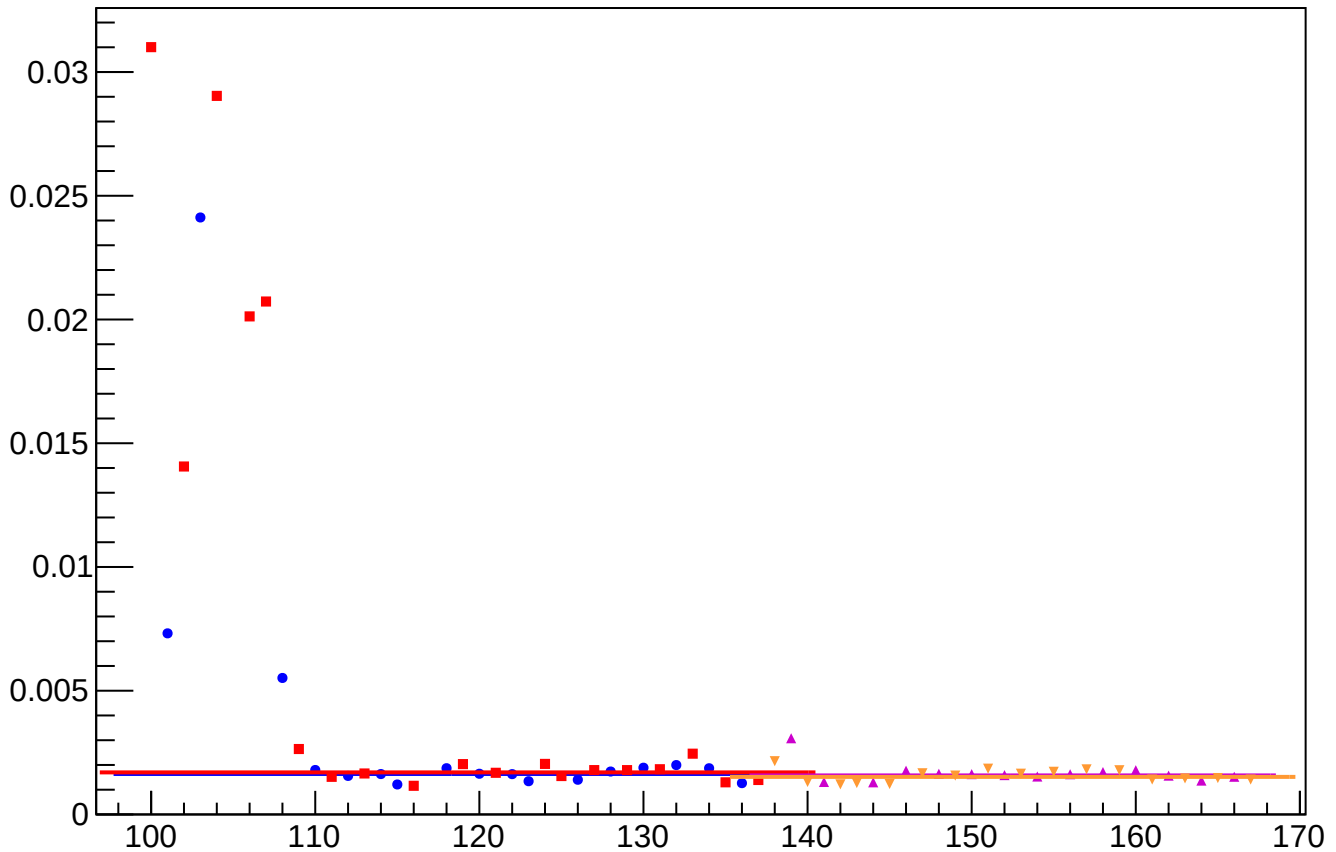
Left In: -0.001 ± 0.000 χ^2/NDF : 65486723.3/13

+ sign -0.002 ± 0.000 χ^2/NDF : 9887525043.7/32

All: -0.001 ± 0.000 χ^2/NDF : 13011234769.9

- sign -0.000 ± 0.000 χ^2/NDF : 3114781626.8/32

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

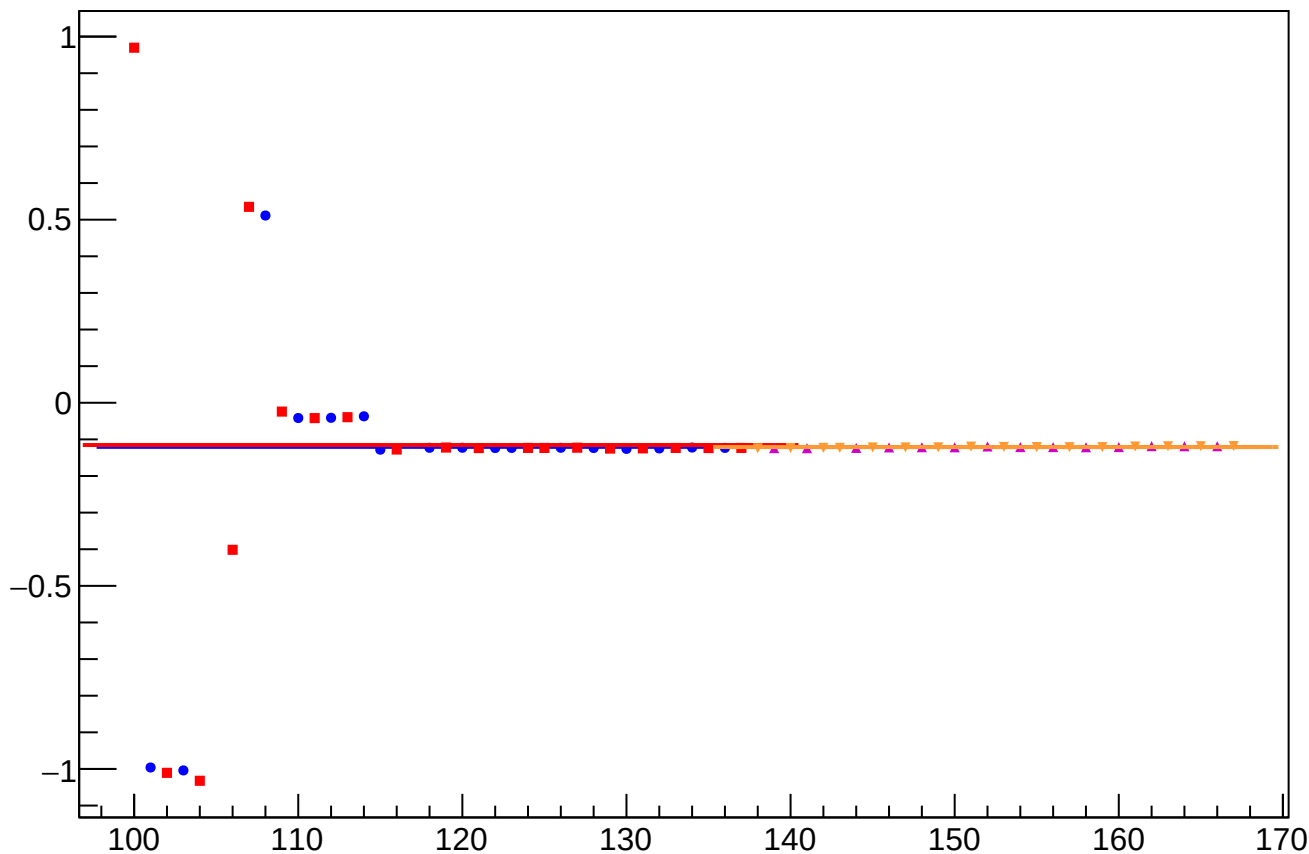
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 498466.4/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2380551.7/32

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5957234.4/65

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3556117.4/32

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

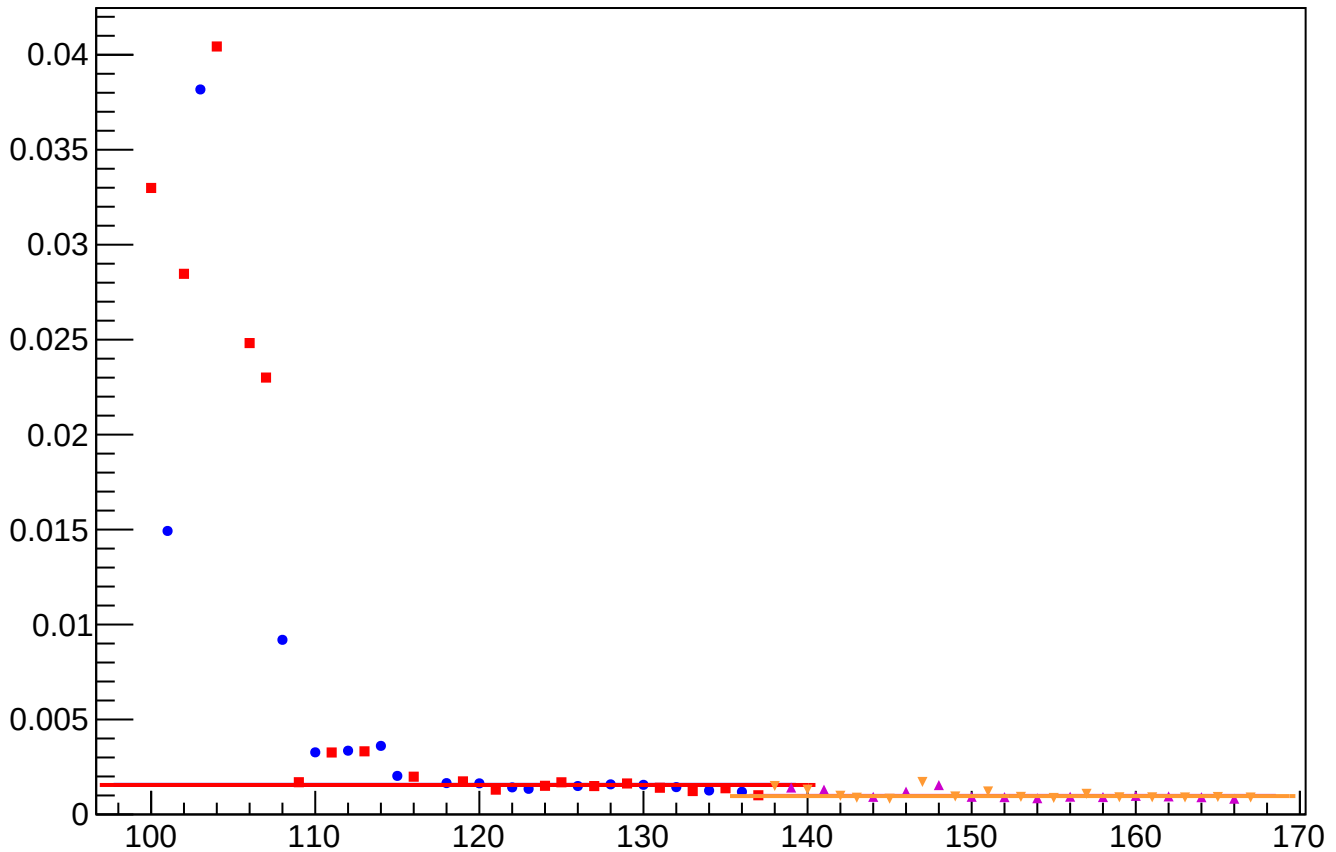
Left In: -0.121+/-0.000 χ^2/NDF : 27558403.2/13

+ sign -0.121+/-0.000 χ^2/NDF : 3964116479.7/32

All: -0.120+/-0.000 χ^2/NDF : 6500288759.2/6

- sign -0.120+/-0.000 χ^2/NDF : 2532458608.5/32

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

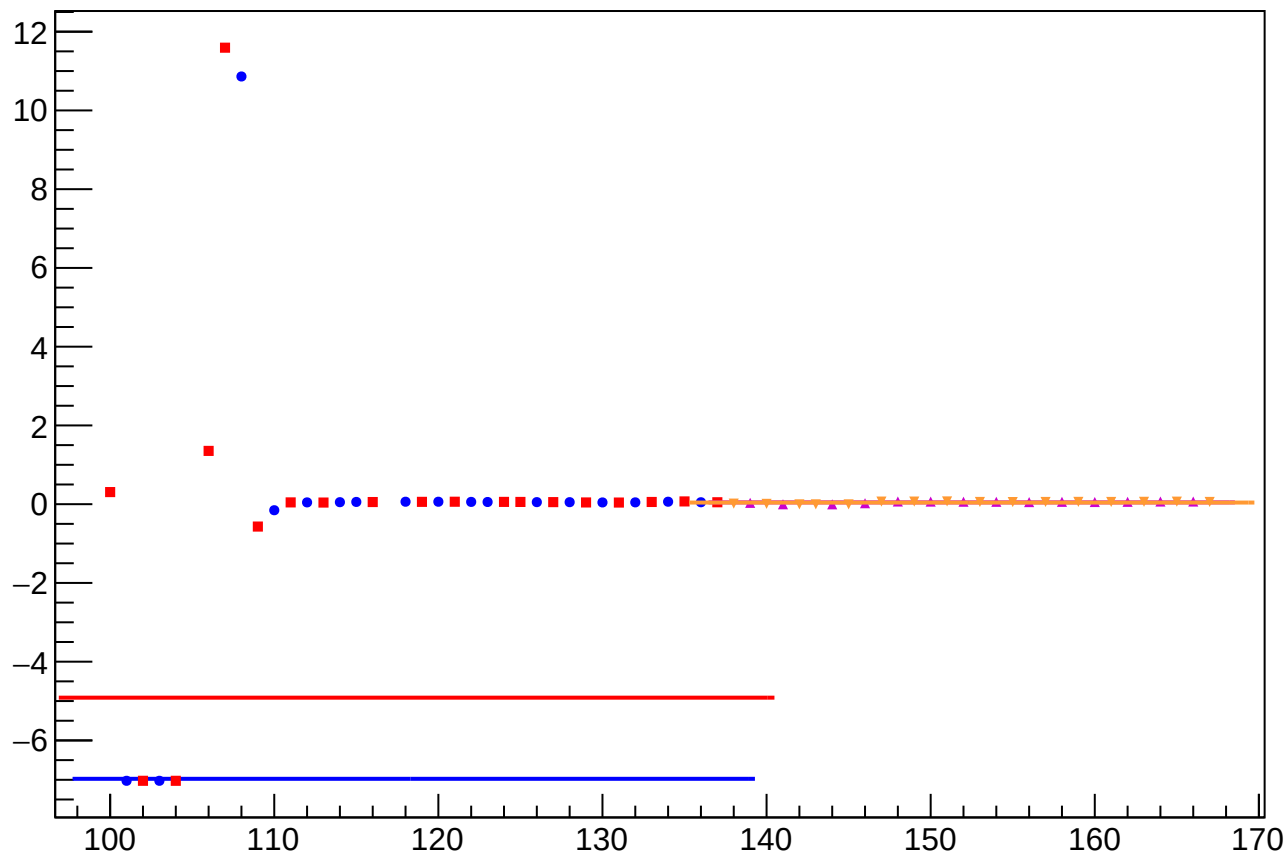
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 565078.6/13

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4771182.6/32

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 9938655.1/65

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5164373.8/32

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

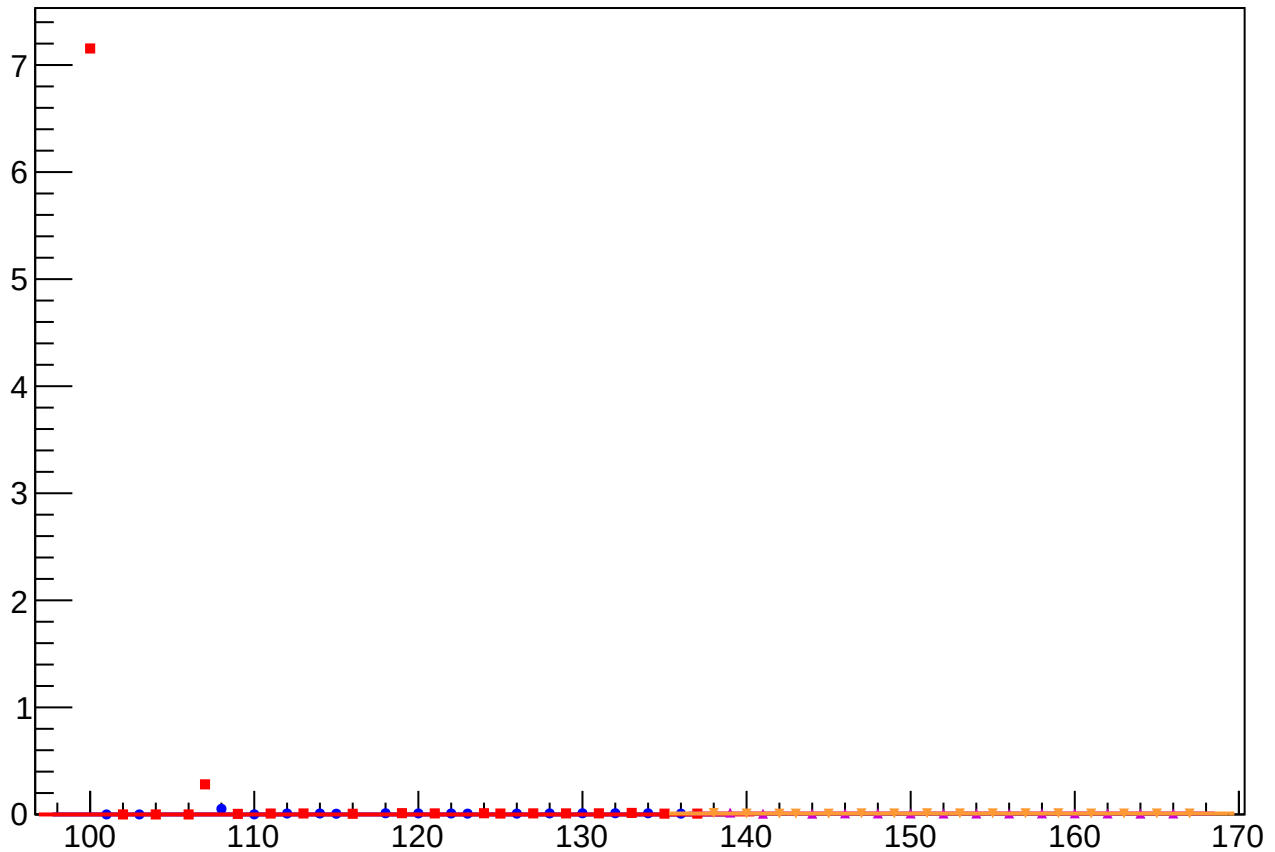
Left In: 0.046 ± 0.000 χ^2/NDF : 73297884.4/13

+ sign -6.943 ± 0.000 χ^2/NDF : 14525734021998.6/16

All: -5.875 ± 0.000 χ^2/NDF : 4379830576506.4/16

- sign -4.896 ± 0.000 χ^2/NDF : 367817375945522.1/16

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

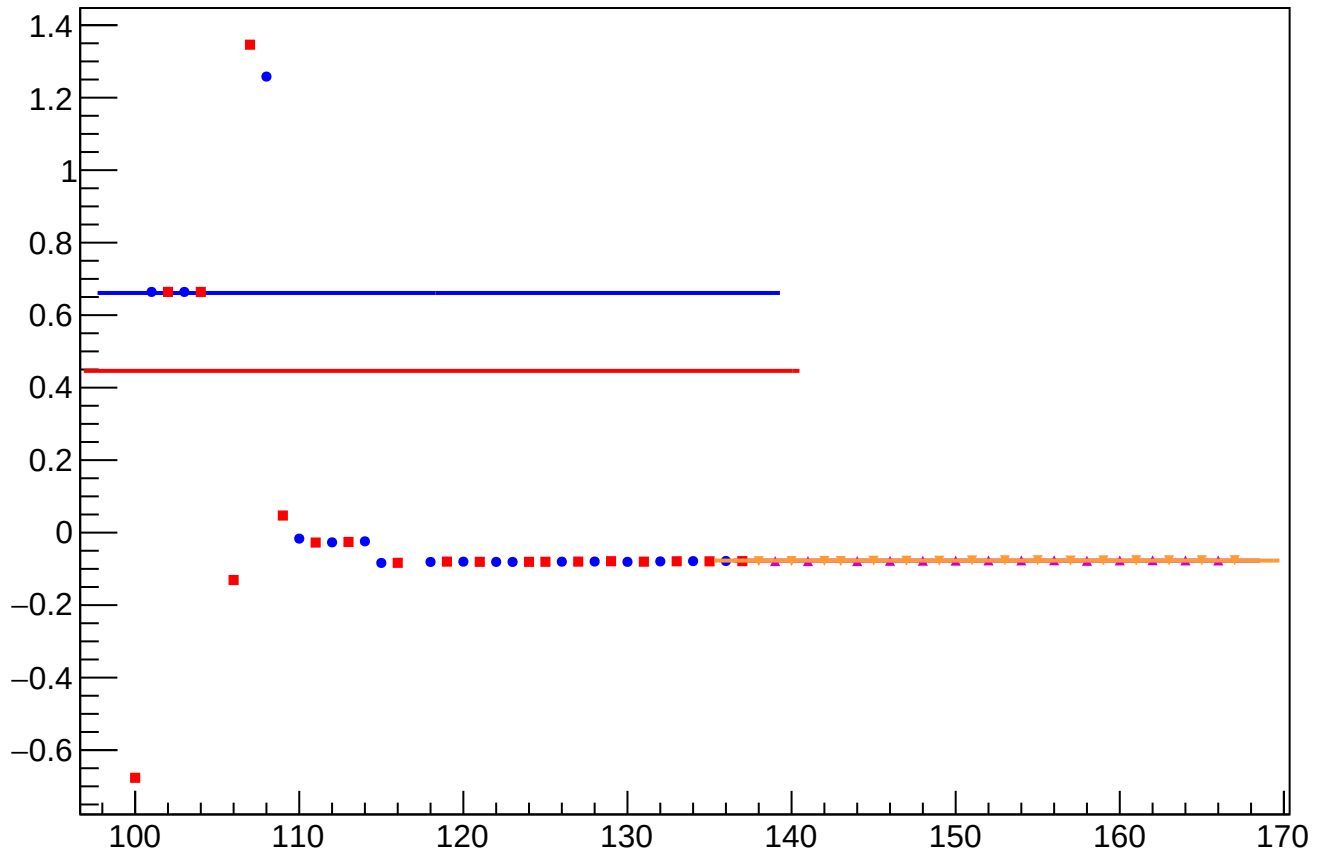
Left In: 0.009+/-0.000 χ^2/NDF : 492734.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 26768939.2/32

All: 0.000+/-0.000 χ^2/NDF : 52709414.2/65

- sign 0.000+/-0.000 χ^2/NDF : 25937289.0/32

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.077+/-0.000 χ^2/NDF : 29940224.5/15

Right Out: 0.446+/-0.000 χ^2/NDF : 405428604683882.5/18

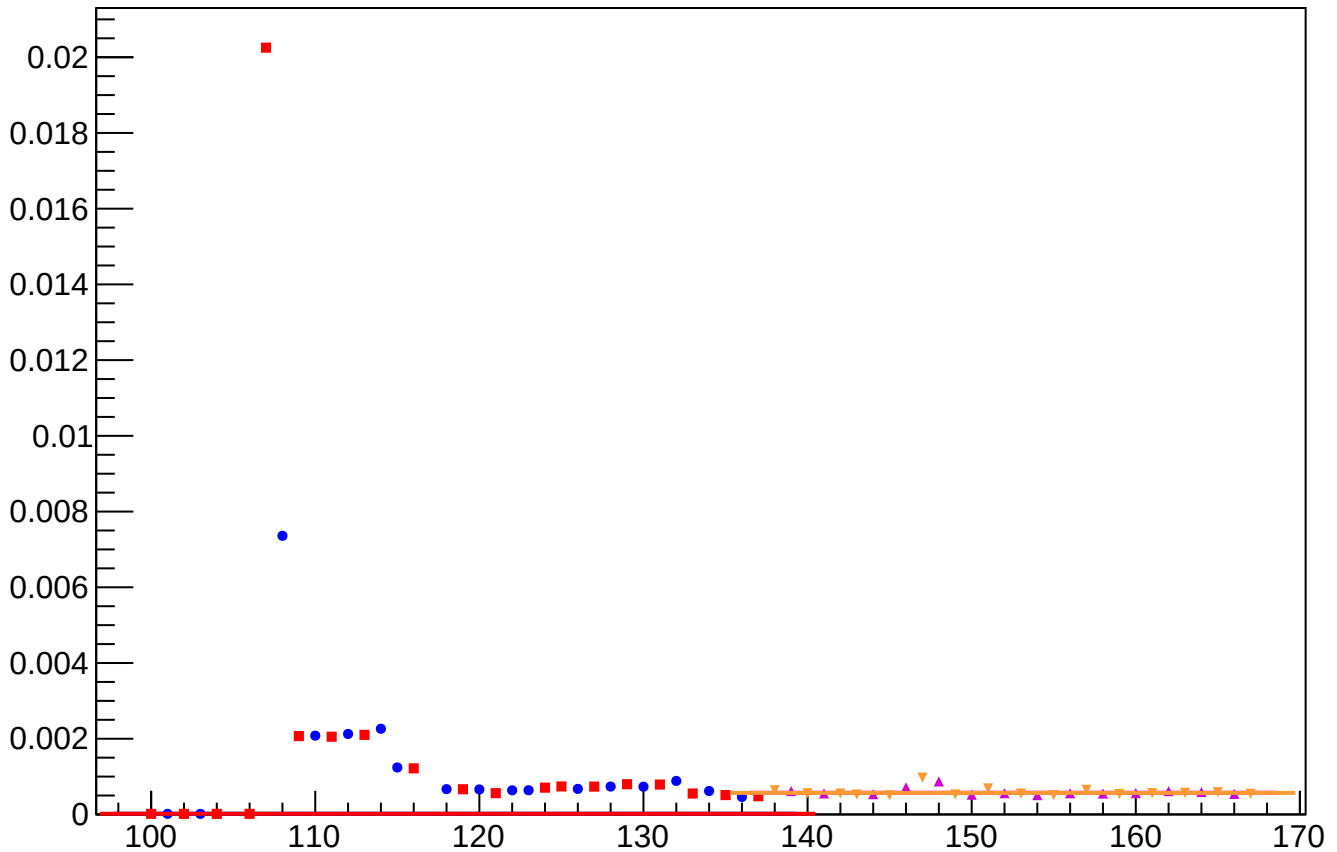
Left In: -0.077+/-0.000 χ^2/NDF : 19757519.2/13

+ sign 0.651+/-0.000 χ^2/NDF : 24251961565956.6/3

All: 0.541+/-0.000 χ^2/NDF : 49953065556574

- sign 0.441+/-0.000 χ^2/NDF : 413929945336028.9/3

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

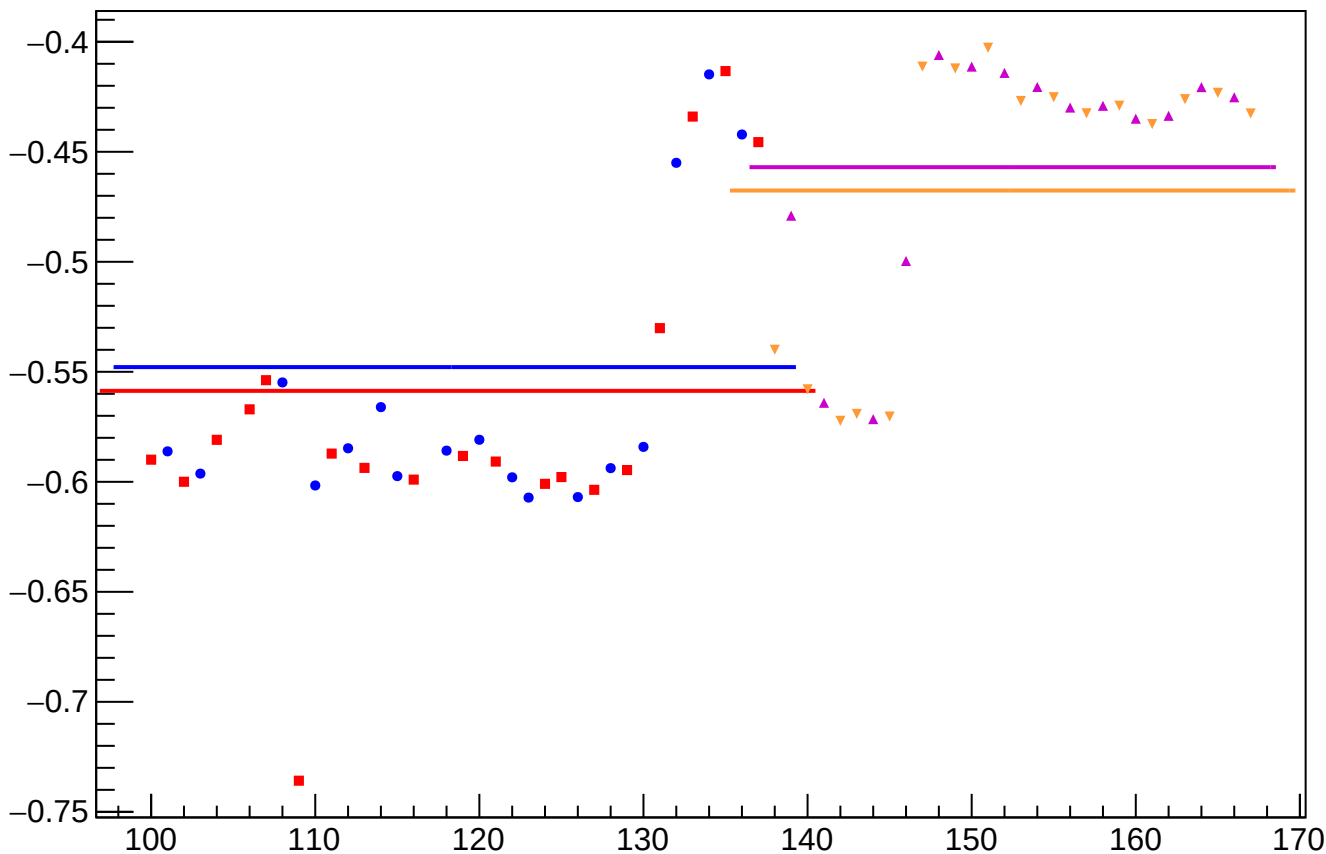
Left In: 0.001+/-0.000 χ^2/NDF : 315533.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 31121140.2/32

All: 0.000+/-0.000 χ^2/NDF : 60005050.9/65

- sign 0.000+/-0.000 χ^2/NDF : 28879532.3/32

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

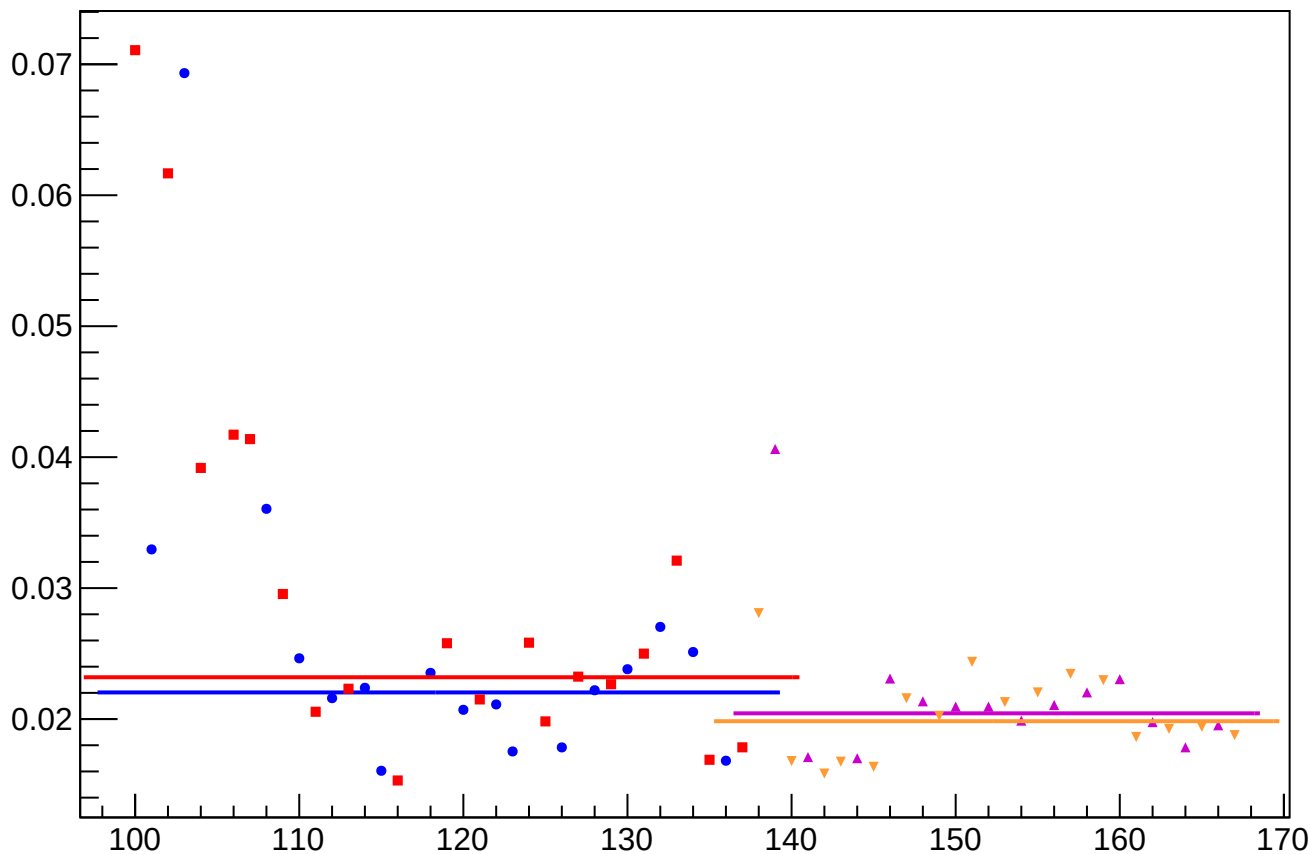
Left In: -0.457+/-0.000 χ^2/NDF : 72543613.5/13

+ sign -0.492+/-0.000 χ^2/NDF : 197532880.7/32

All: -0.491+/-0.000 χ^2/NDF : 405156337.1/65

- sign -0.490+/-0.000 χ^2/NDF : 207539766.5/32

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 958966.6/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:397495.1/15

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156989.7/18

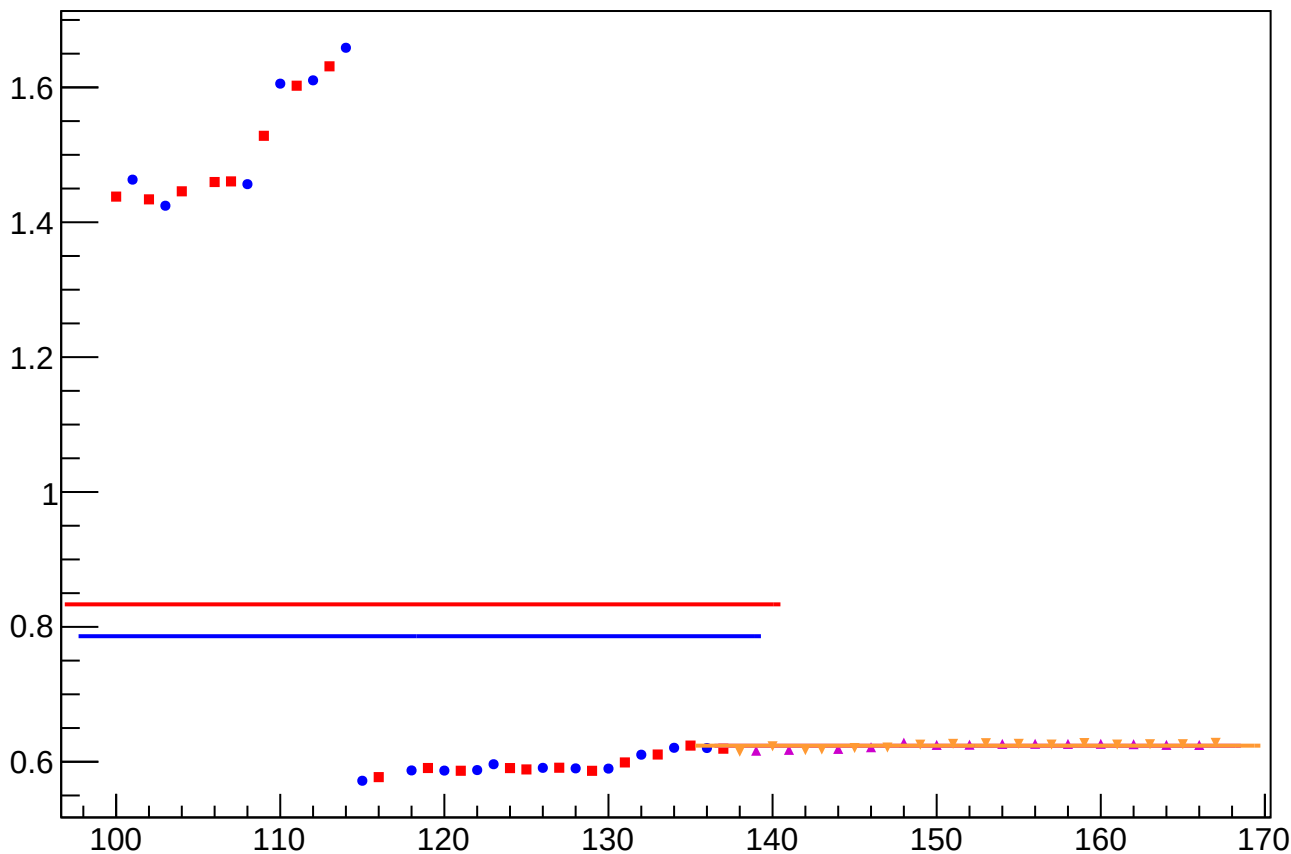
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:500855.3/13

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1426899.3/32

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3208399.9/65

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1759708.2/32

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

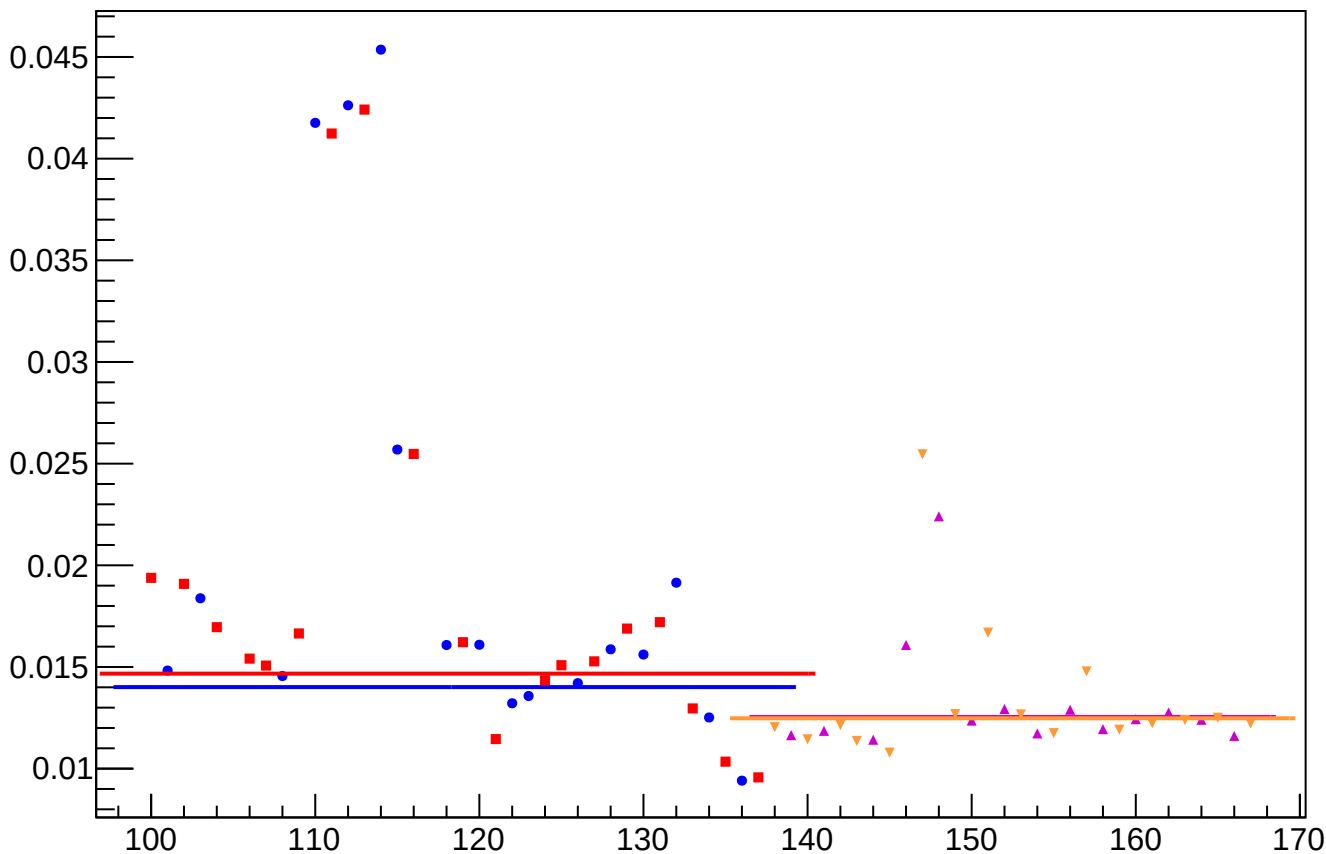
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:885641.0/13

+ sign 0.670 $\pm$ 0.000 χ^2 /NDF: 4135016559.0/32

All: 0.678 $\pm$ 0.000 χ^2 /NDF: 9167175290.2/65

- sign 0.686 $\pm$ 0.000 χ^2 /NDF: 5019934893.0/32

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

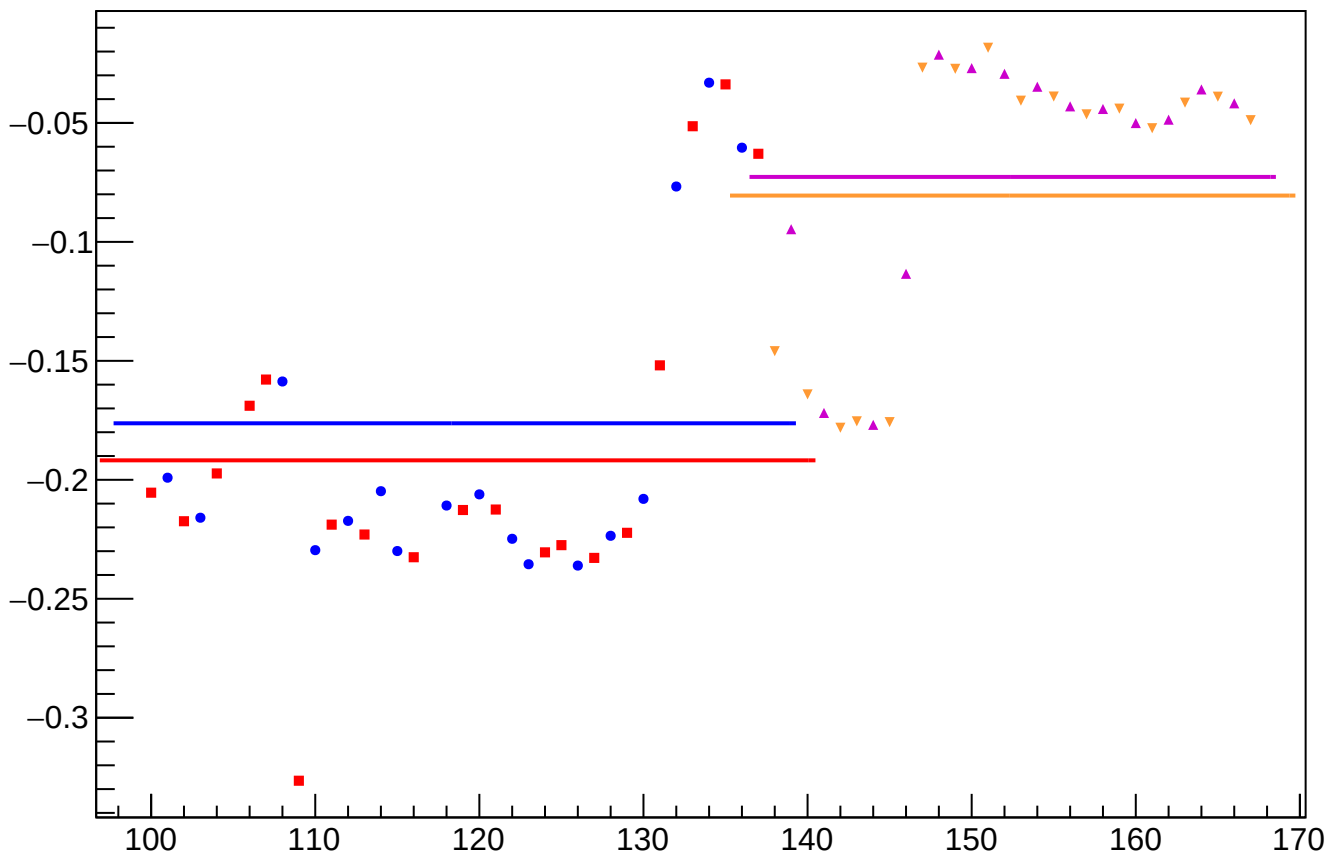
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:417010.9/13

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2091267.3/32

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3956412.2/65

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1858507.4/32

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

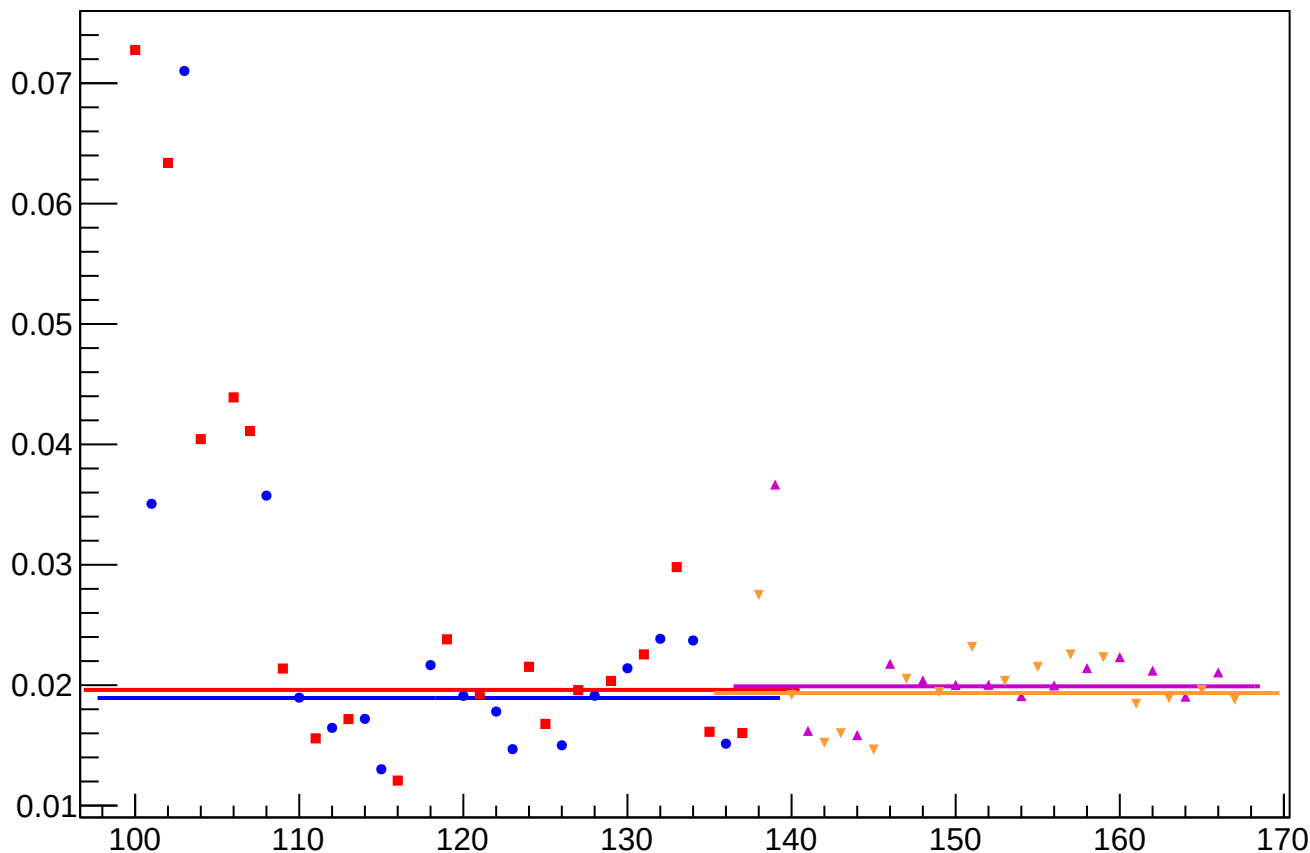
Left In: -0.073+/-0.000 χ^2/NDF : 72837694.4/13

+ sign -0.114+/-0.000 χ^2/NDF : 249998689.3/32

All: -0.116+/-0.000 χ^2/NDF : 525766445.2/65

- sign -0.118+/-0.000 χ^2/NDF : 275544943.6/32

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

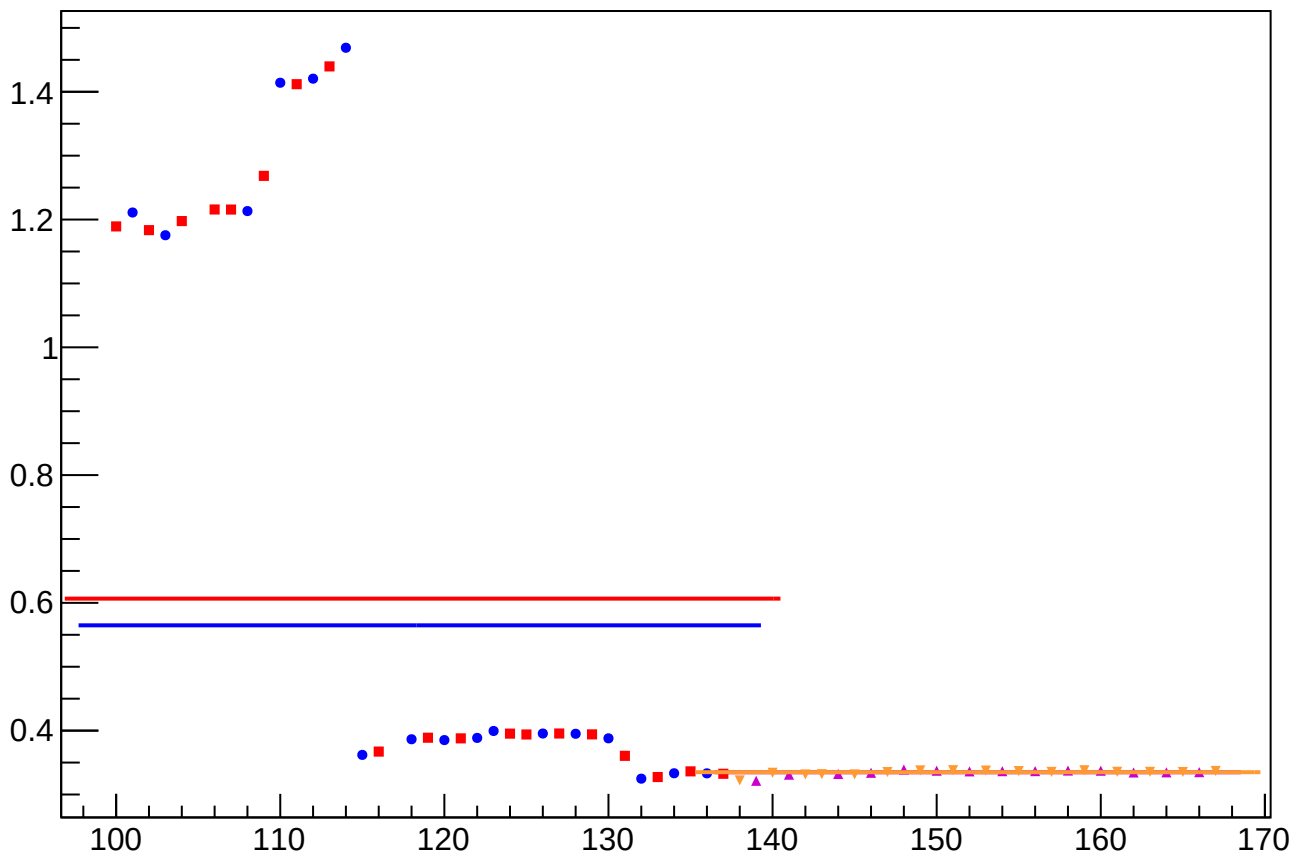
Left In: 0.020+/-0.000 χ^2/NDF : 472134.1/13

+ sign 0.019+/-0.000 χ^2/NDF : 1627091.6/32

All: 0.019+/-0.000 χ^2/NDF : 3571405.7/65

- sign 0.020+/-0.000 χ^2/NDF : 1931262.5/32

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.335+/-0.000 χ^2/NDF : 1093996.9/15

Right Out: 0.607+/-0.000 χ^2/NDF : 5513752213.8/18

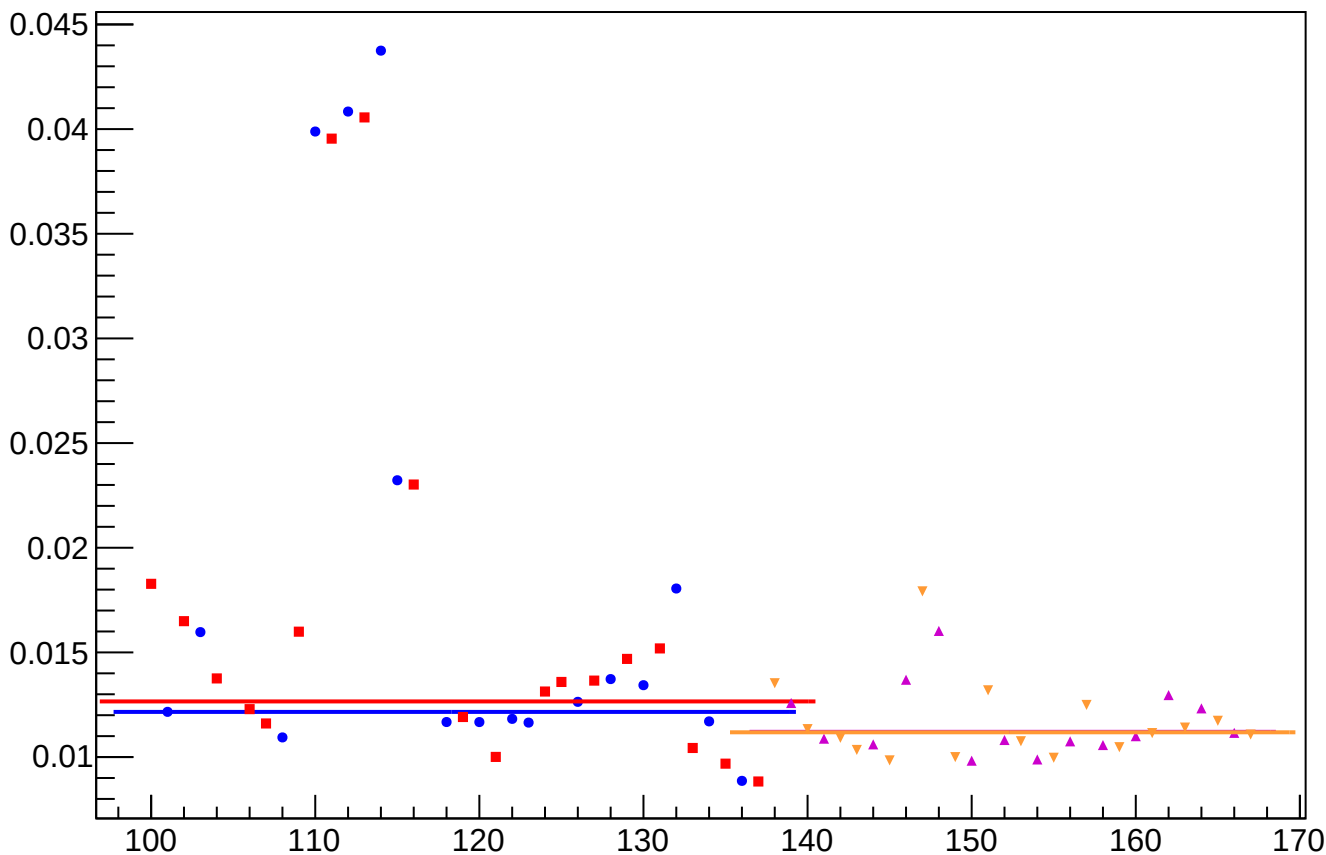
Left In: 0.335+/-0.000 χ^2/NDF : 1154036.2/13

+ sign 0.404+/-0.000 χ^2/NDF : 6451260311.3/32

All: 0.411+/-0.000 χ^2/NDF : 13855256398.4/64

- sign 0.419+/-0.000 χ^2/NDF : 7389630010.8/32

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

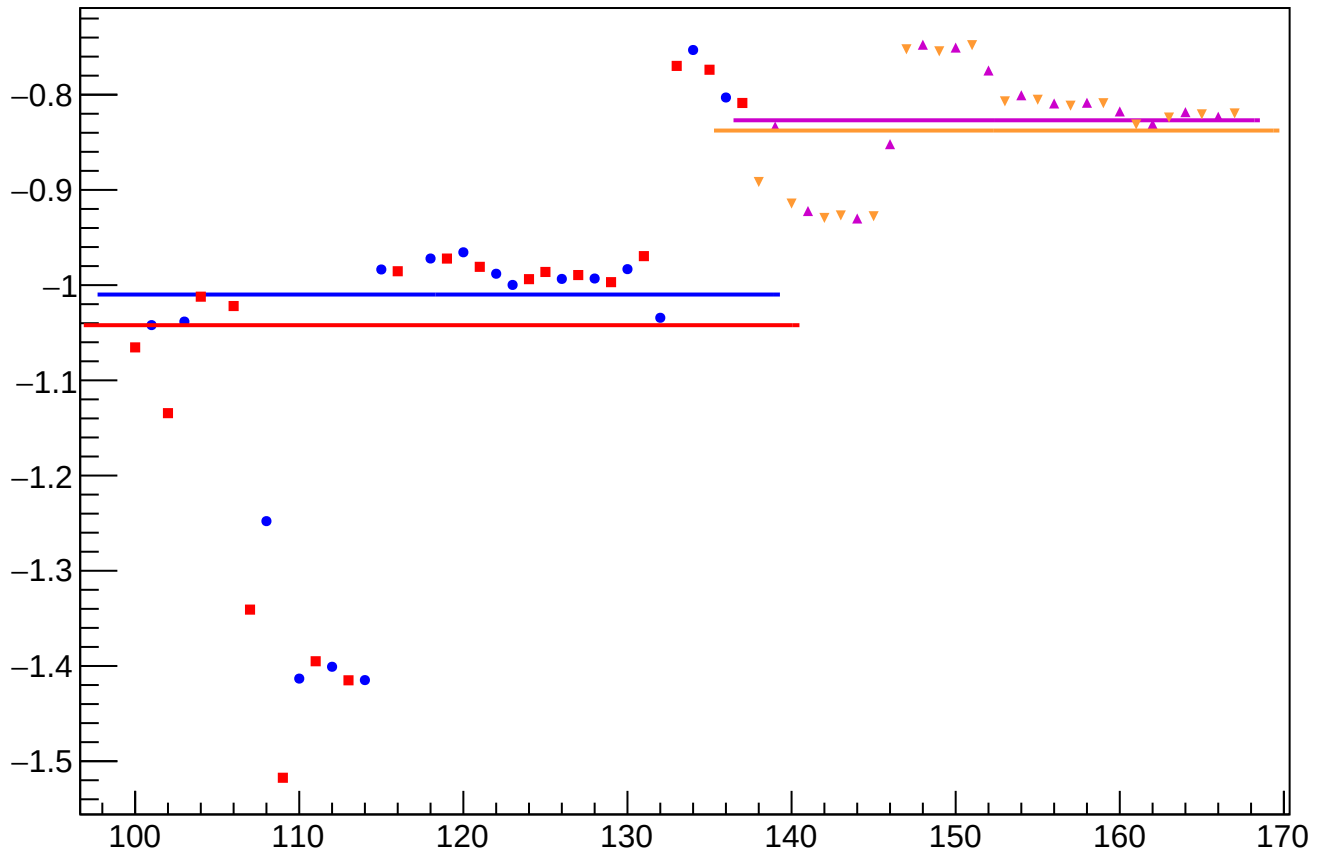
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:321273.4/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1759116.2/32

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3462196.5/65

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1699063.6/32

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

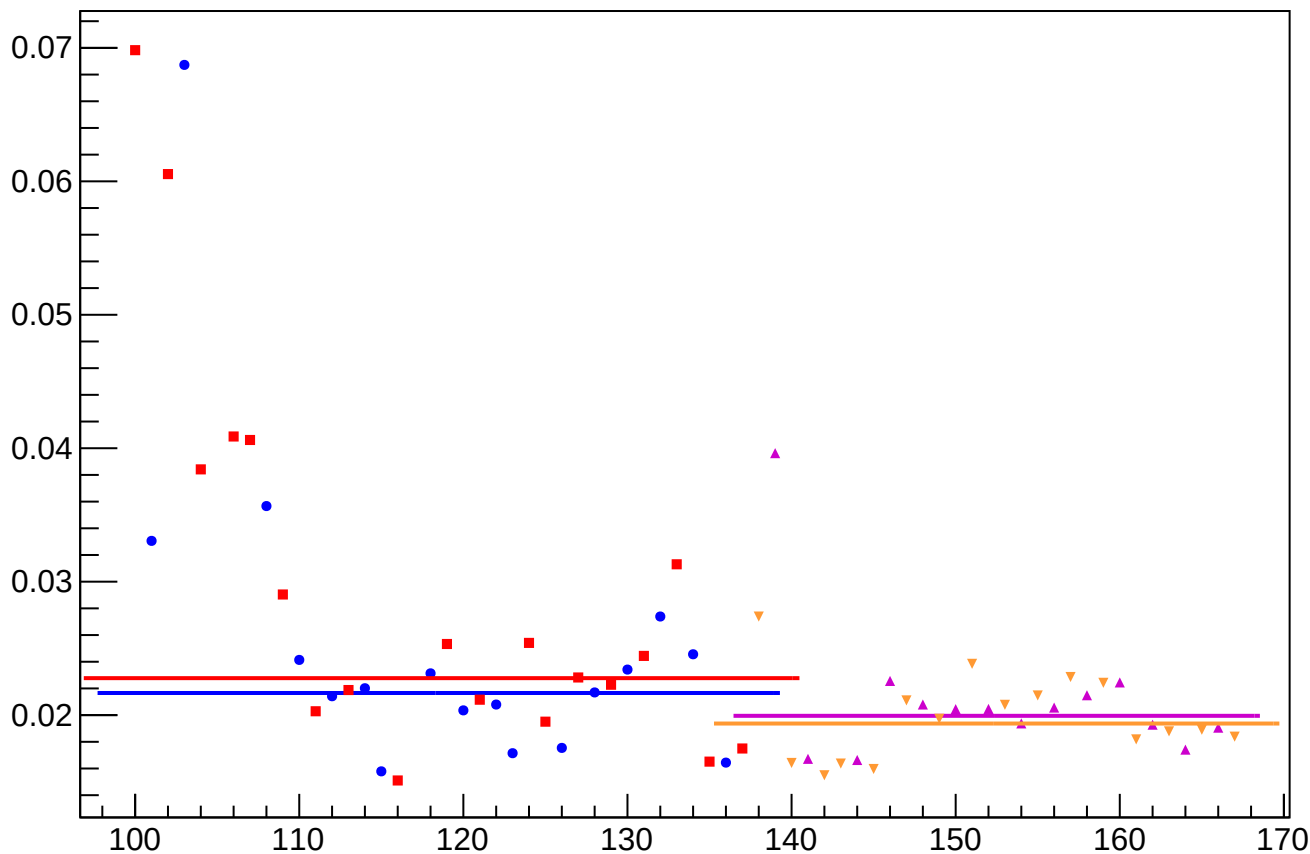
Left In: -0.827+/-0.000 χ^2/NDF : 70168542.1/13

+ sign -0.890+/-0.000 χ^2/NDF : 705730015.5/32

All: -0.893+/-0.000 χ^2/NDF : 1629577279.0/6

- sign -0.896+/-0.000 χ^2/NDF : 923227186.6/32

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 983499.8/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 395144.9/15

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152617.8/18

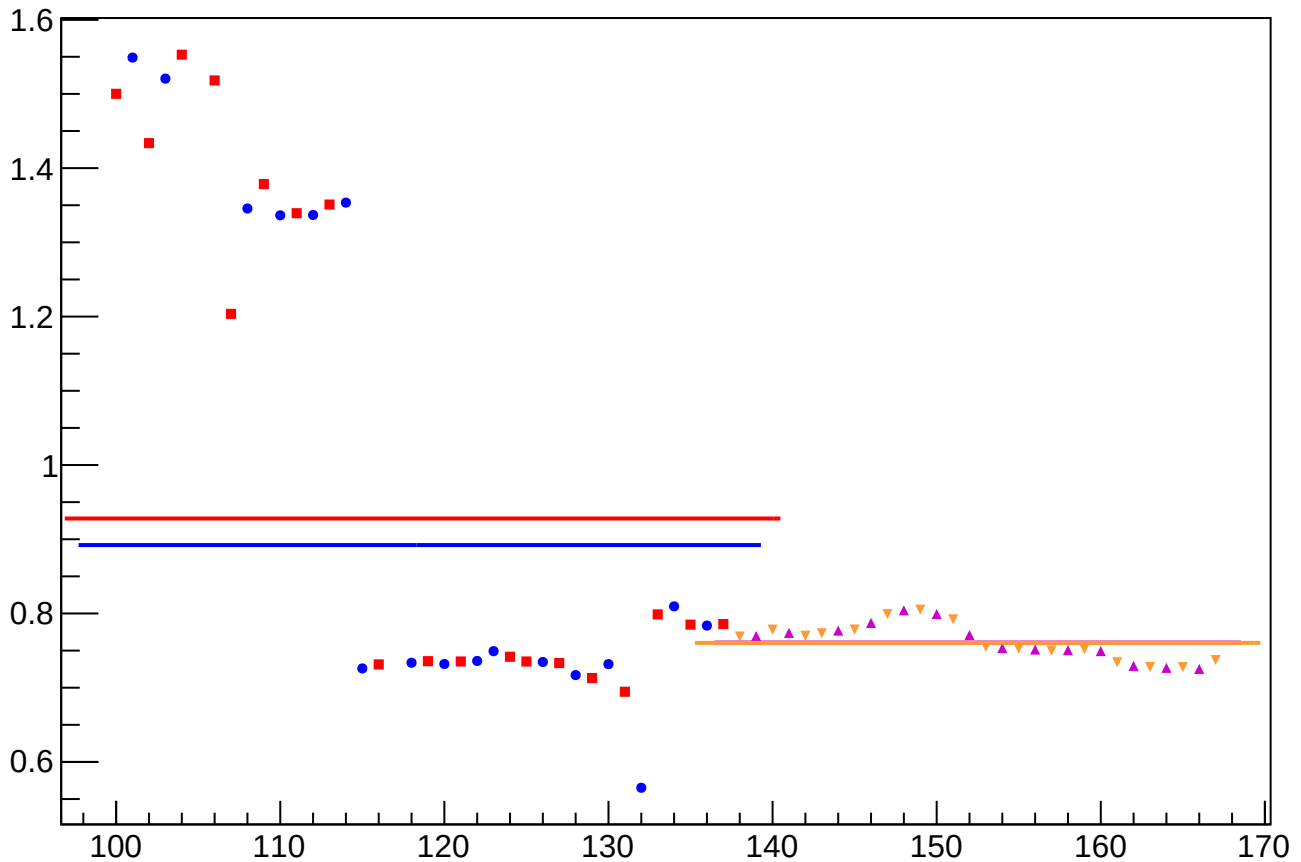
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 497785.6/13

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1458009.5/32

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3240667.9/65

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1761541.0/32

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

+ sign 0.797 $\pm$ 0.000 χ^2 /NDF: 2797828658.1/32

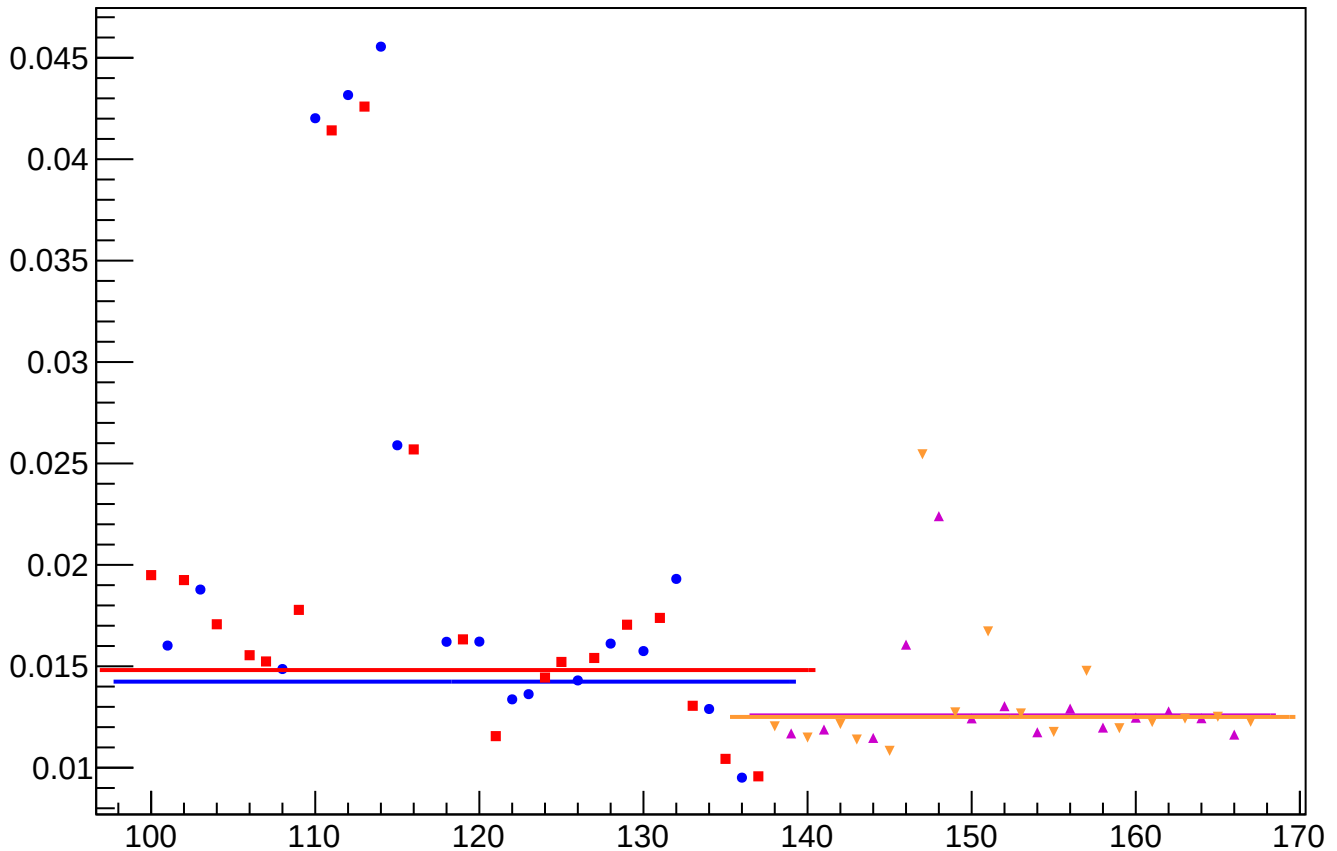
Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

All: 0.803 $\pm$ 0.000 χ^2 /NDF: 5813230965.1/65

Left In: 0.761 $\pm$ 0.000 χ^2 /NDF:32448151.9/13

- sign 0.810 $\pm$ 0.000 χ^2 /NDF: 3007499061.1/32

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

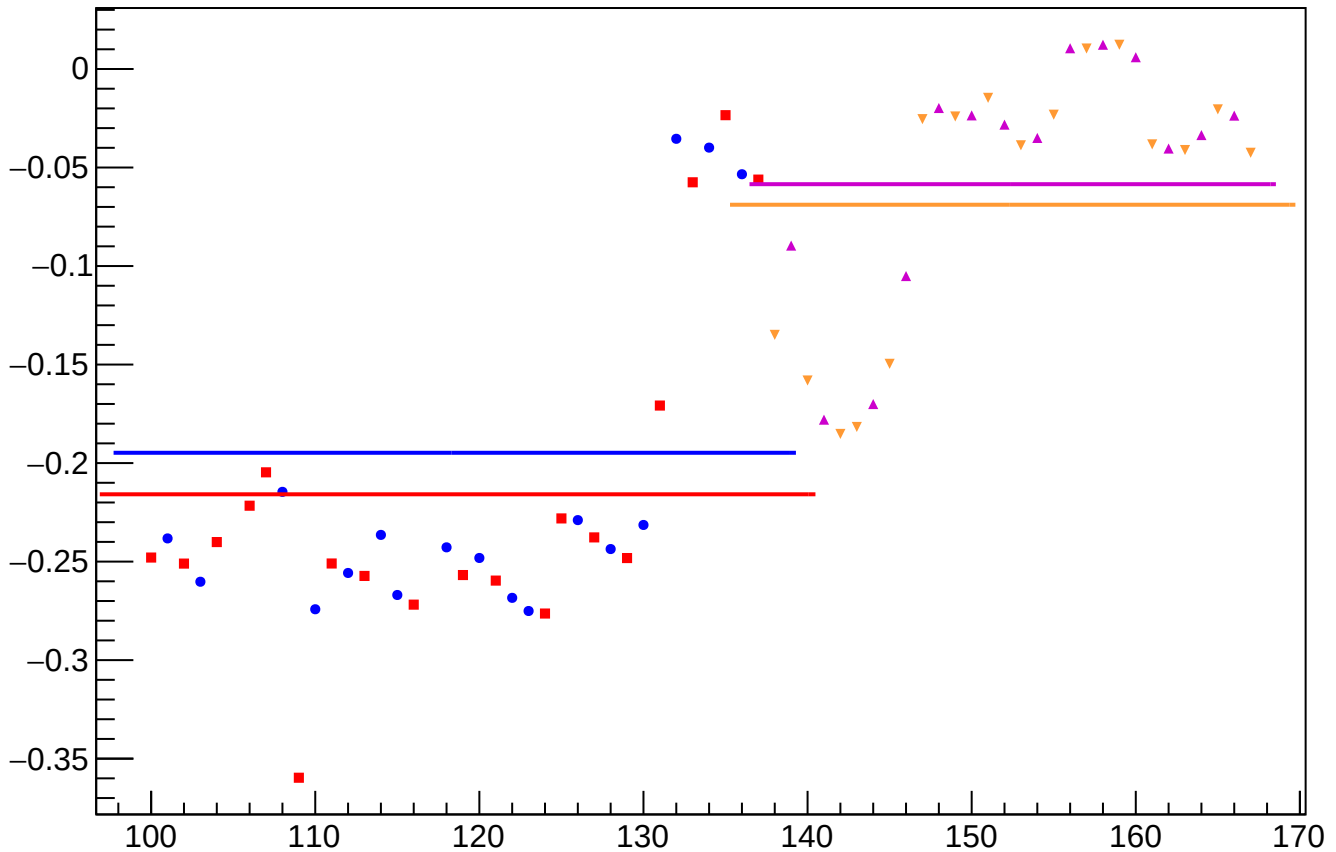
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:412926.0/13

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2121577.7/32

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4006903.8/65

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1879428.7/32

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

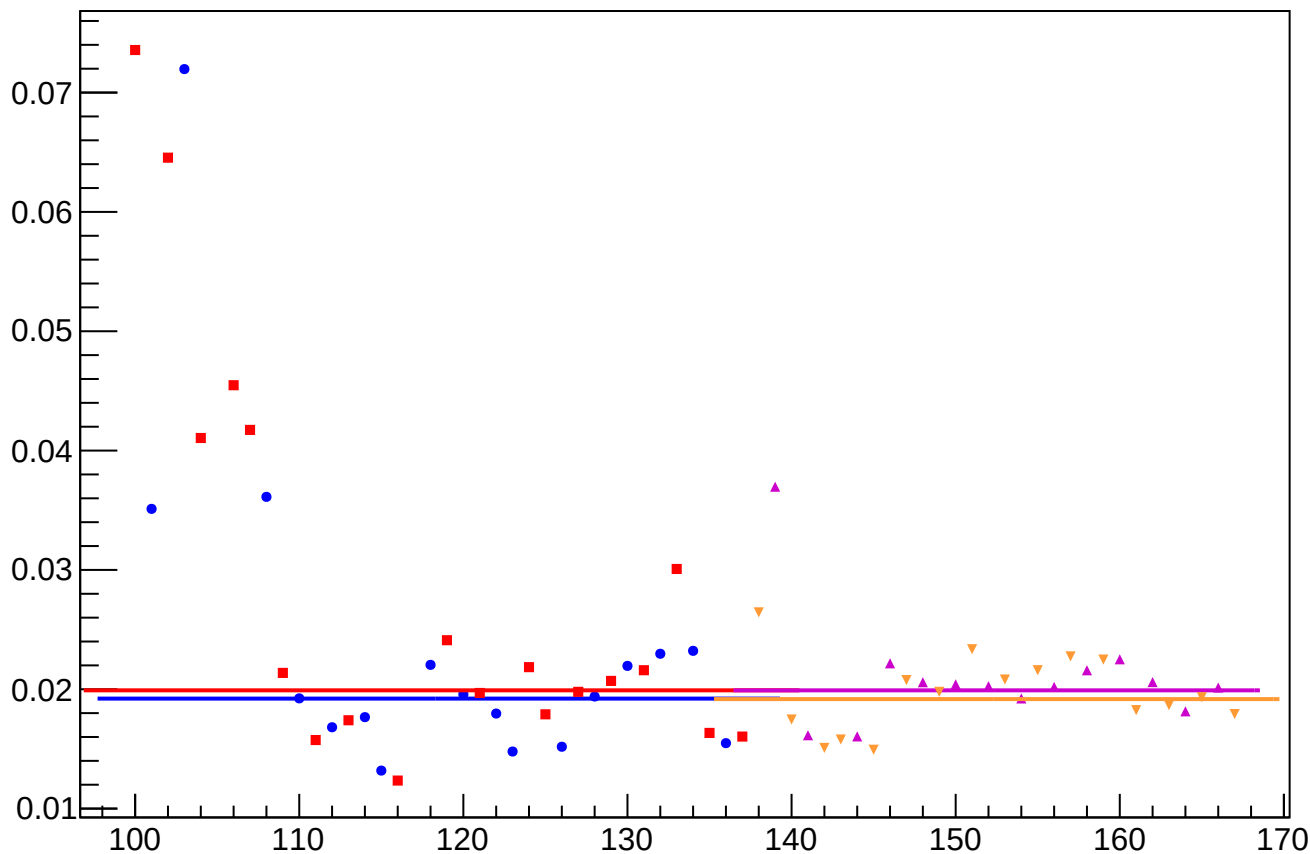
Left In: -0.058+/-0.000 χ^2/NDF : 96643967.7/13

+ sign -0.112+/-0.000 χ^2/NDF : 363834112.3/32

All: -0.115+/-0.000 χ^2/NDF : 775773497.7/65

- sign -0.117+/-0.000 χ^2/NDF : 411500775.9/32

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 426761.6/15

Right Out: 0.020+/-0.000 χ^2/NDF : 1446950.0/18

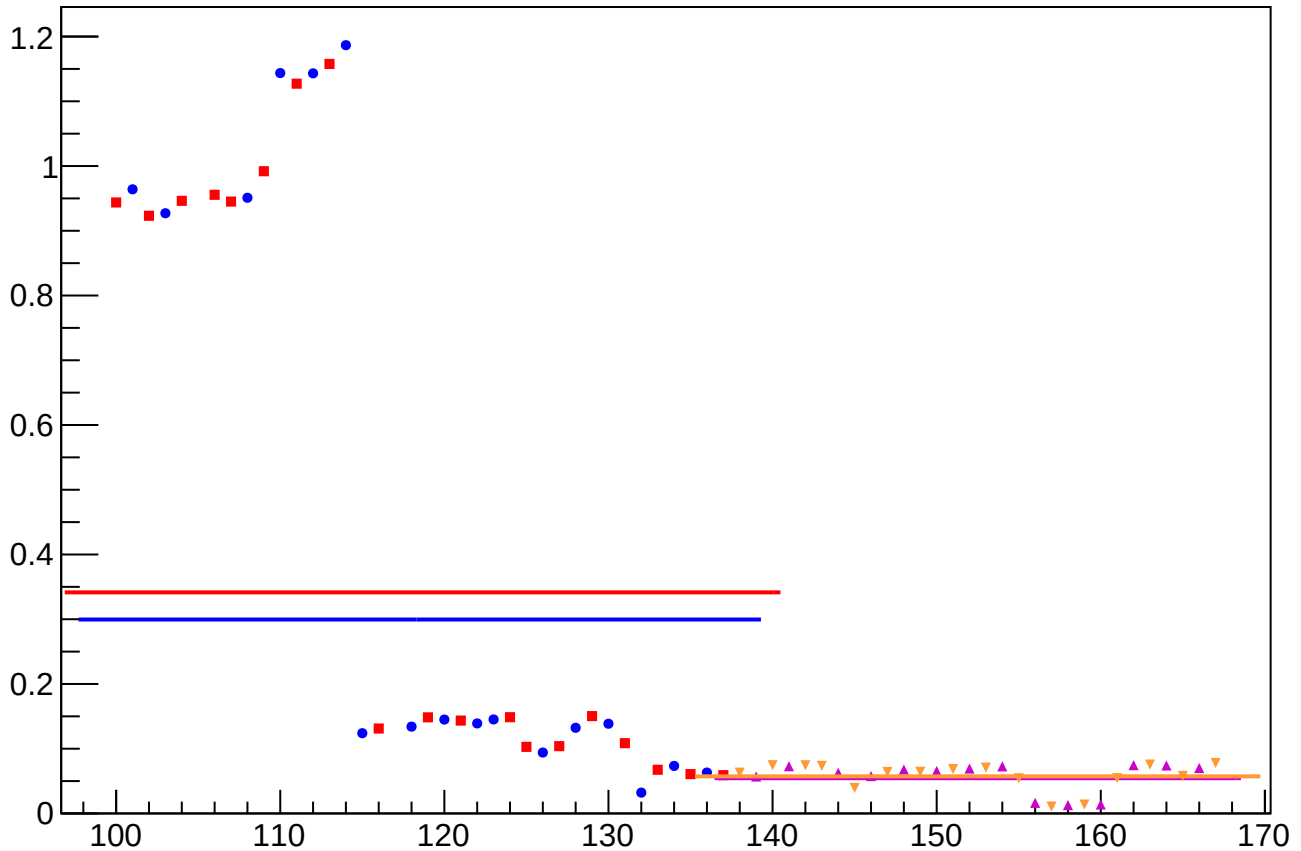
Left In: 0.020+/-0.000 χ^2/NDF : 480230.1/13

+ sign 0.019+/-0.000 χ^2/NDF : 1603877.2/32

All: 0.020+/-0.000 χ^2/NDF : 3550203.9/65

- sign 0.020+/-0.000 χ^2/NDF : 1927180.2/32

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

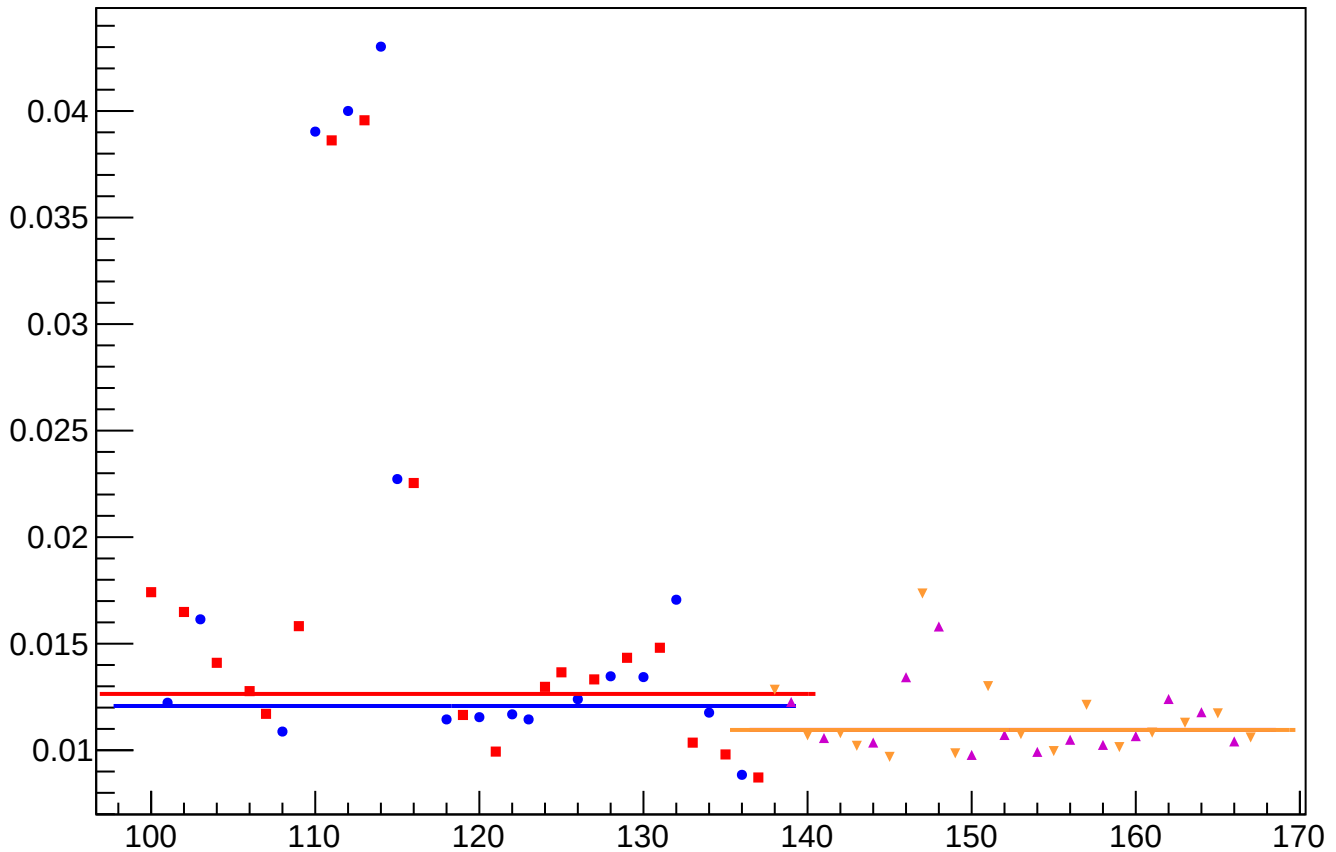
Left In: 0.054 $\pm$ 0.000 χ^2 /NDF: 48409106.1/13

+ sign 0.128 $\pm$ 0.000 χ^2 /NDF: 6817750718.4/32

All: 0.134 $\pm$ 0.000 χ^2 /NDF: 14449845180.8/6

- sign 0.141 $\pm$ 0.000 χ^2 /NDF: 7622137123.4/32

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

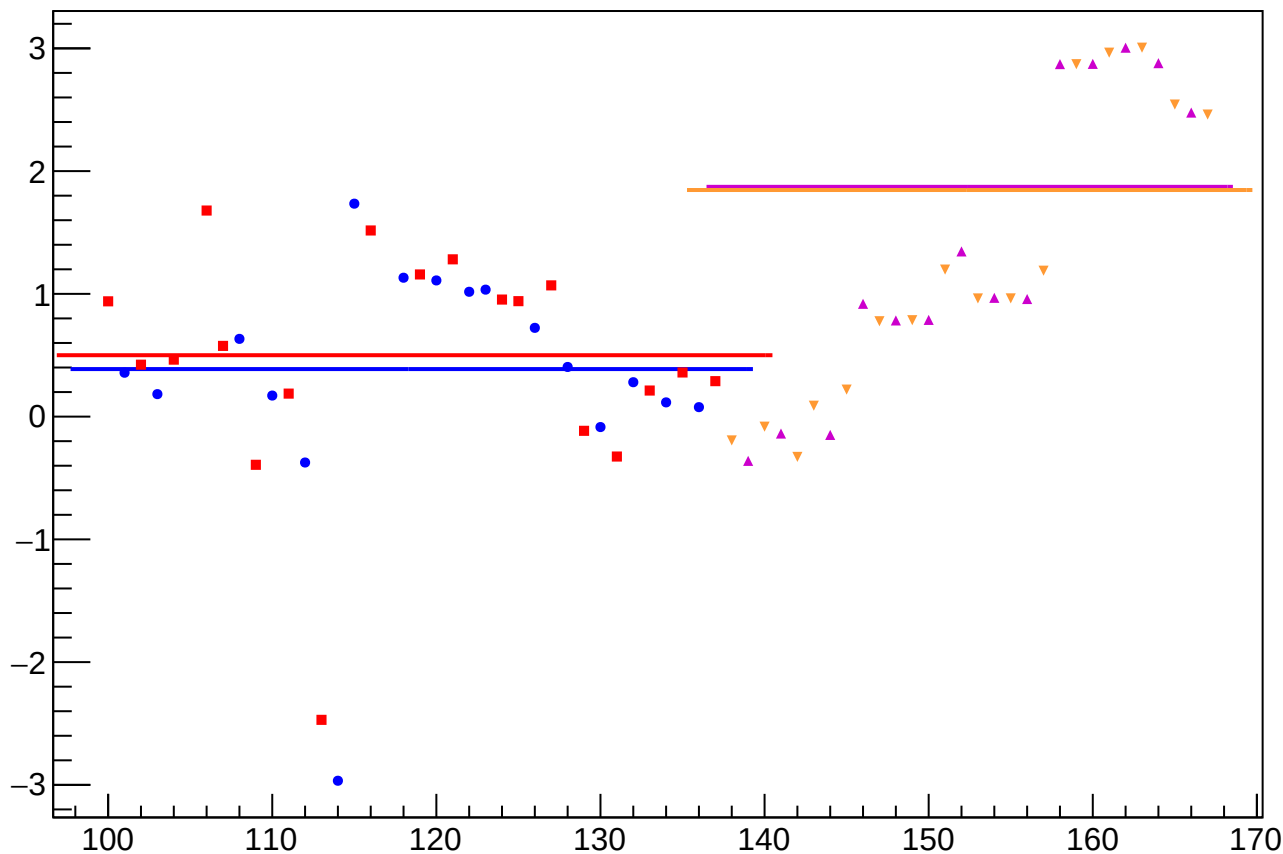
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:301572.7/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1722914.0/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3413408.4/65

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1686368.6/32

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

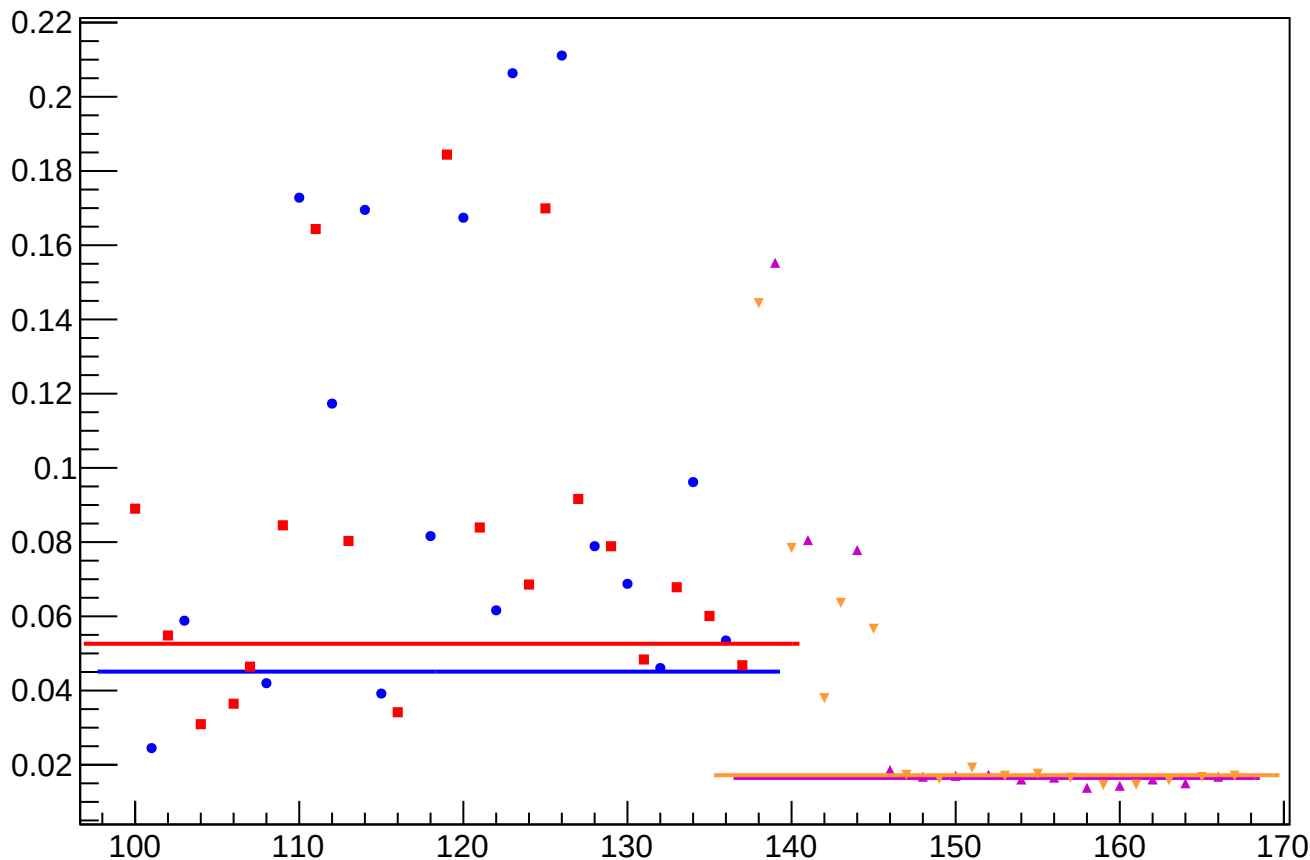
Left In: 1.872 ± 0.000 χ^2/NDF : 27050923585.2/13

+ sign 1.761 ± 0.000 χ^2/NDF : 29751329912.6/32

All: 1.782 ± 0.000 χ^2/NDF : 60483203988.0/6

- sign 1.804 ± 0.000 χ^2/NDF : 30703757468.1/32

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

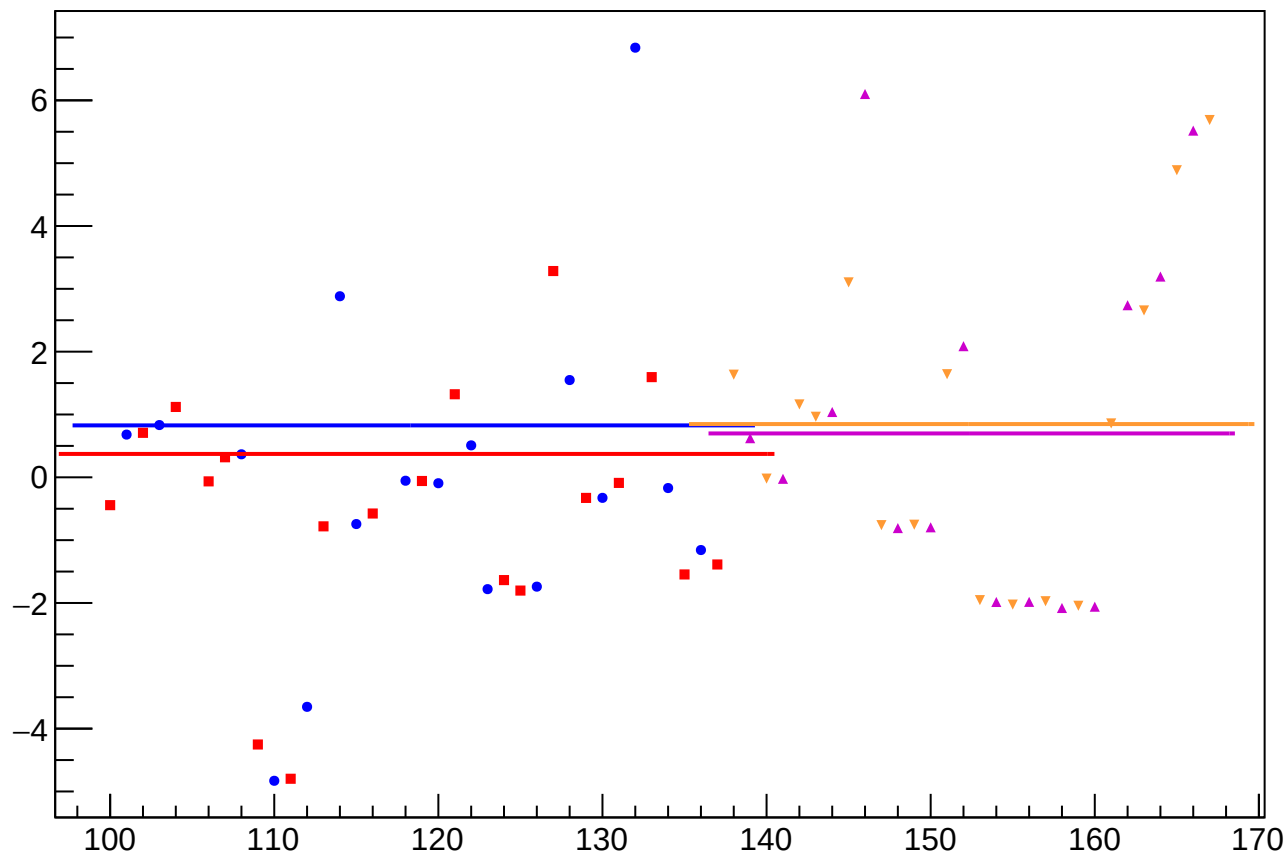
Left In: 0.016+/-0.000 χ^2/NDF : 2335509.2/13

+ sign 0.019+/-0.000 χ^2/NDF : 8140655.9/32

All: 0.019+/-0.000 χ^2/NDF : 16388157.6/65

- sign 0.018+/-0.000 χ^2/NDF : 8237174.6/32

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

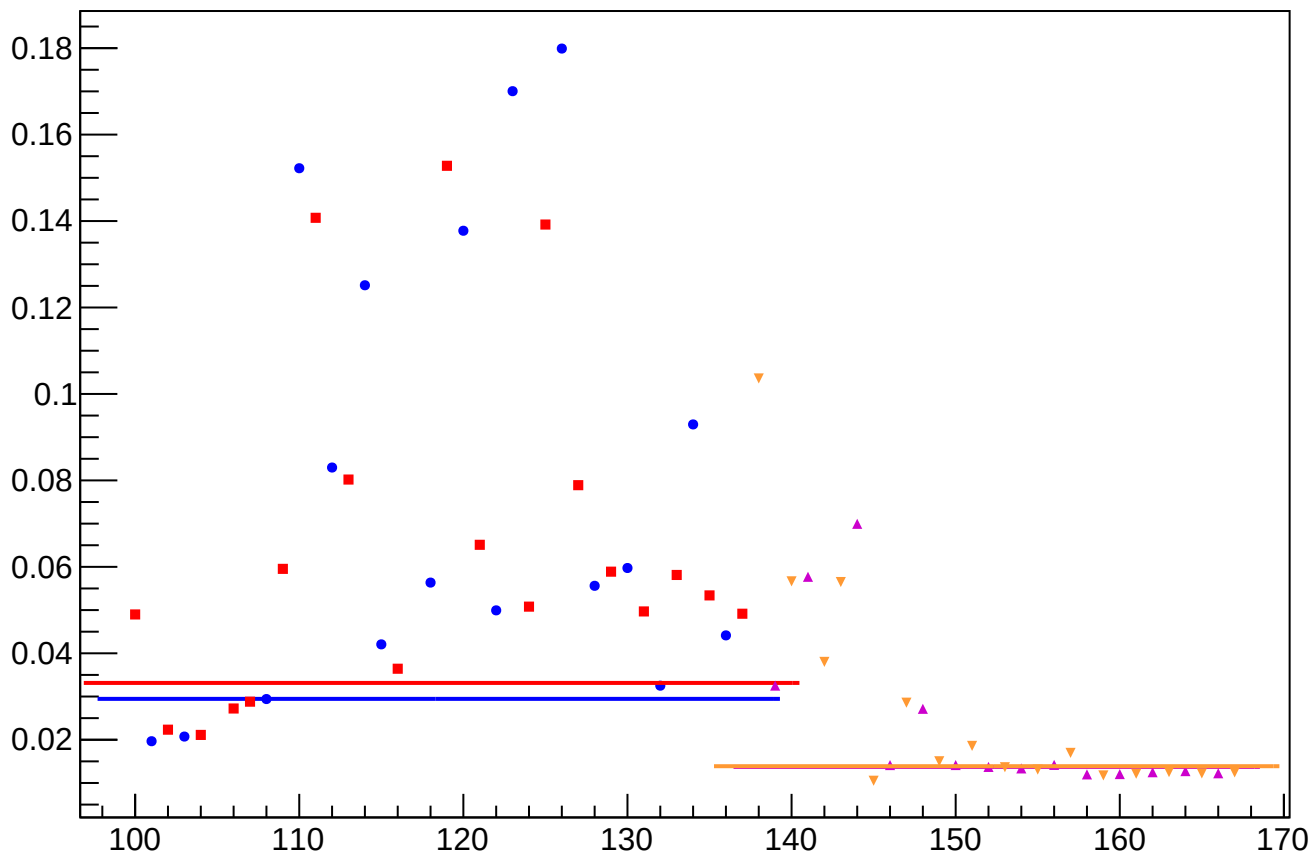
Left In: 0.698 ± 0.000 χ^2/NDF : 391543373847.3/13

+ sign 0.846 ± 0.000 χ^2/NDF : 372453754973.5/32

All: 0.761 ± 0.000 χ^2/NDF : 770032152992.8

- sign 0.675 ± 0.000 χ^2/NDF : 396861370631.4/32

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

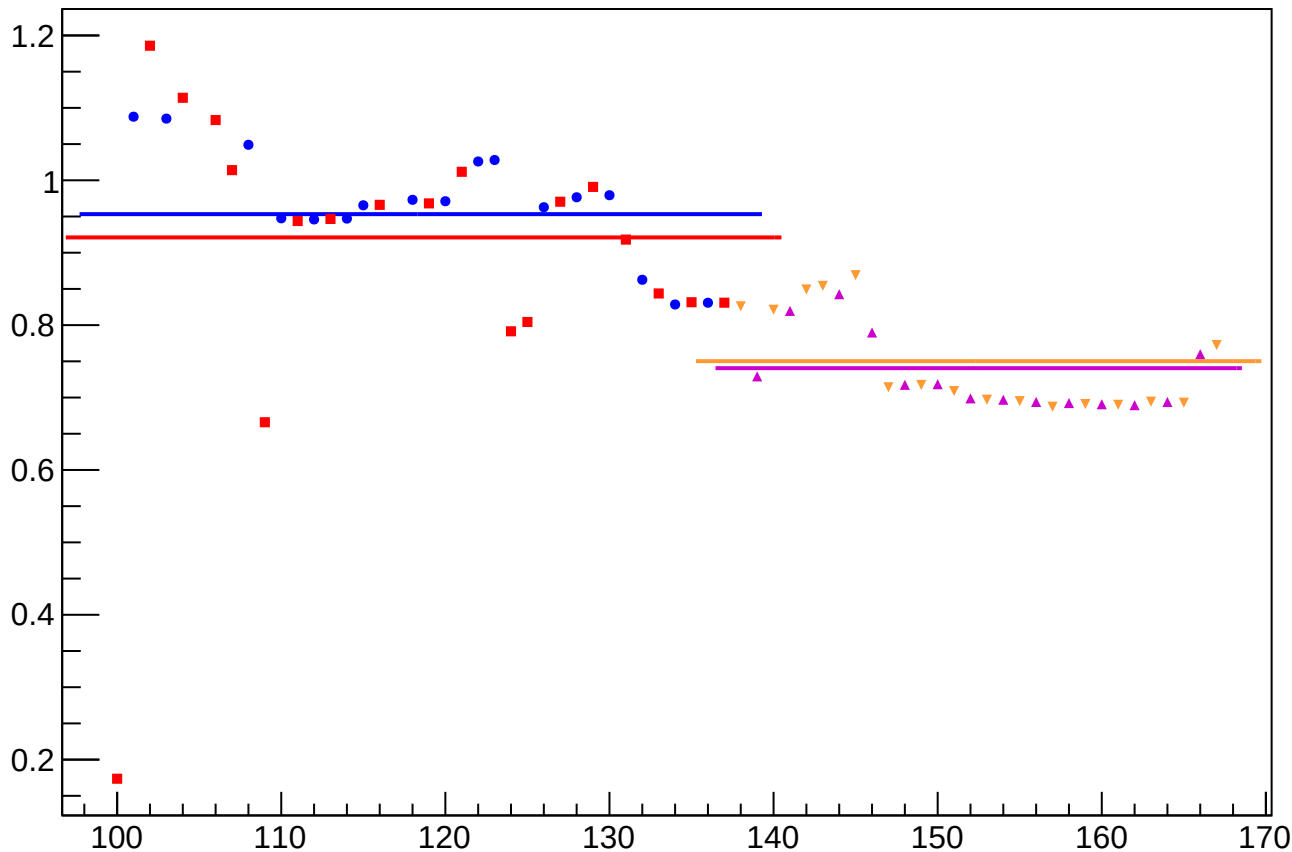
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:1860952.7/13

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 7648909.0/32

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 15057233.8/65

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 7408322.1/32

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

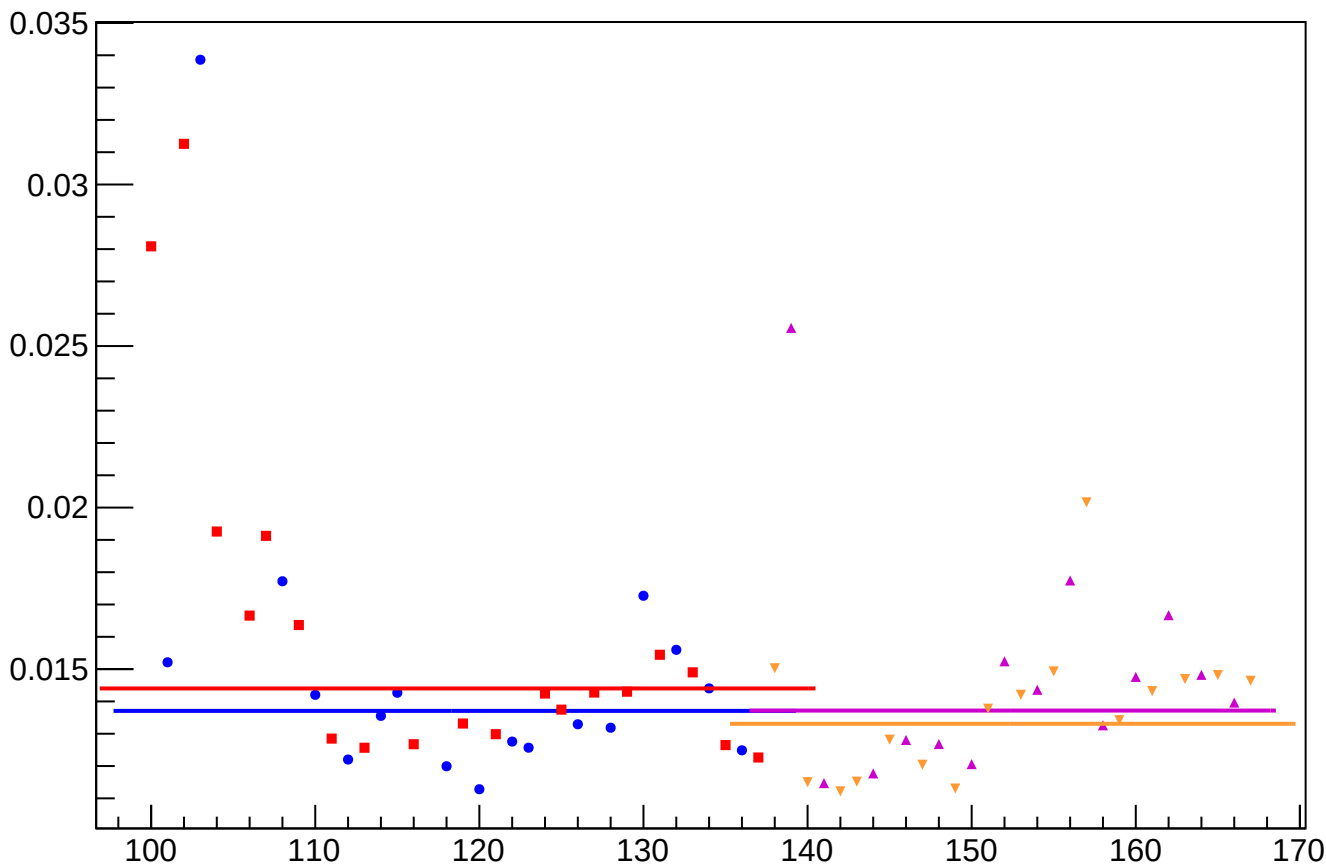
Left In: 0.741 $\pm$ 0.000 χ^2 /NDF: 155814096.9/13

+ sign 0.821 $\pm$ 0.000 χ^2 /NDF: 1265933885.2/32

All: 0.814 $\pm$ 0.000 χ^2 /NDF: 2410163955.2/65

- sign 0.807 $\pm$ 0.000 χ^2 /NDF: 1135677857.4/32

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546317.6/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:366348.8/15

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

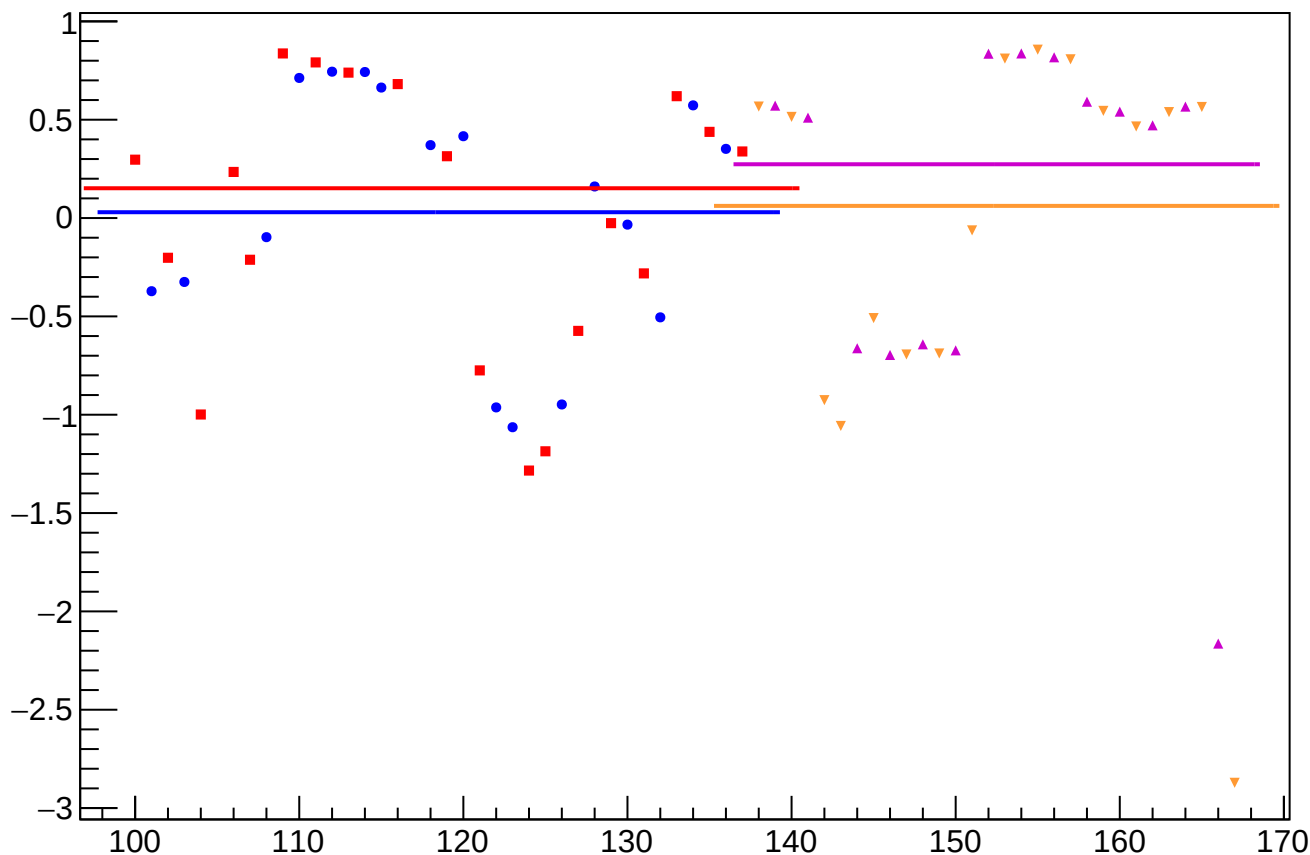
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:573018.9/13

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 919100.6/32

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2034144.3/65

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1092203.4/32

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

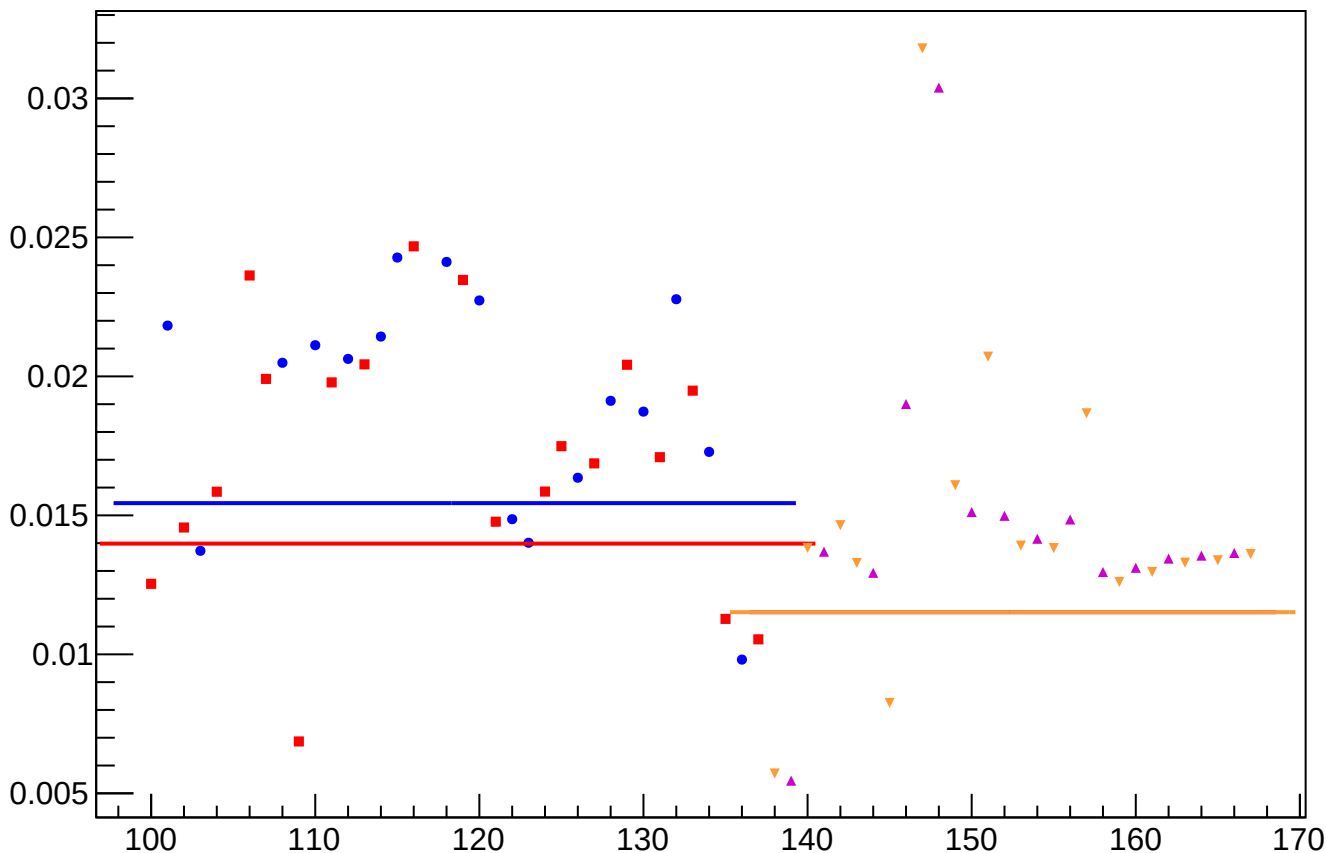
Left In: 0.273 $\pm$ 0.000 χ^2 /NDF: 34290772031.3/13

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 68571605236.9/32

All: 0.145 $\pm$ 0.000 χ^2 /NDF: 117439964421.8

- sign 0.237 $\pm$ 0.000 χ^2 /NDF: 47251573361.4/32

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

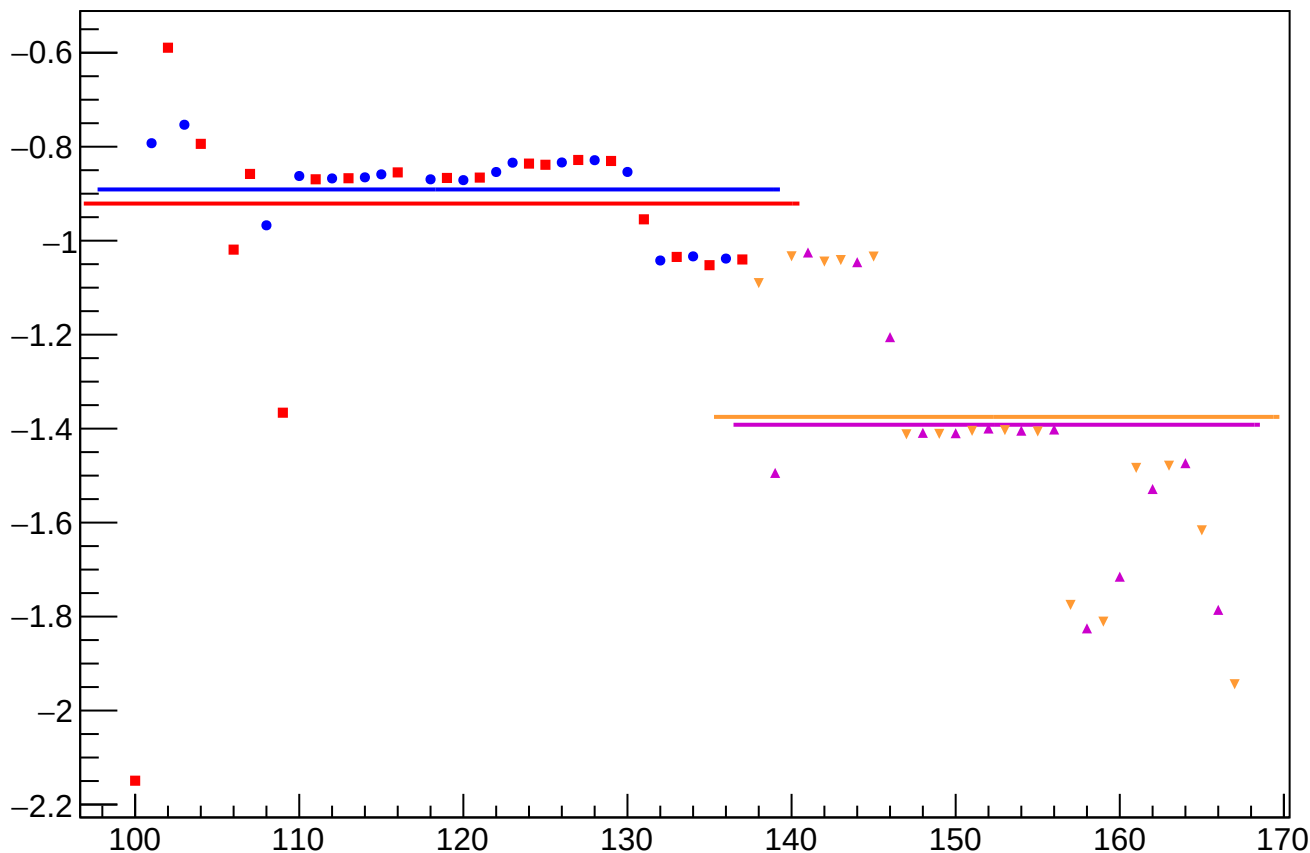
Left In: 0.012+/-0.000 χ^2/NDF : 2863927.7/13

+ sign 0.012+/-0.000 χ^2/NDF : 4652584.9/32

All: 0.012+/-0.000 χ^2/NDF : 9326923.4/65

- sign 0.012+/-0.000 χ^2/NDF : 4669409.1/32

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

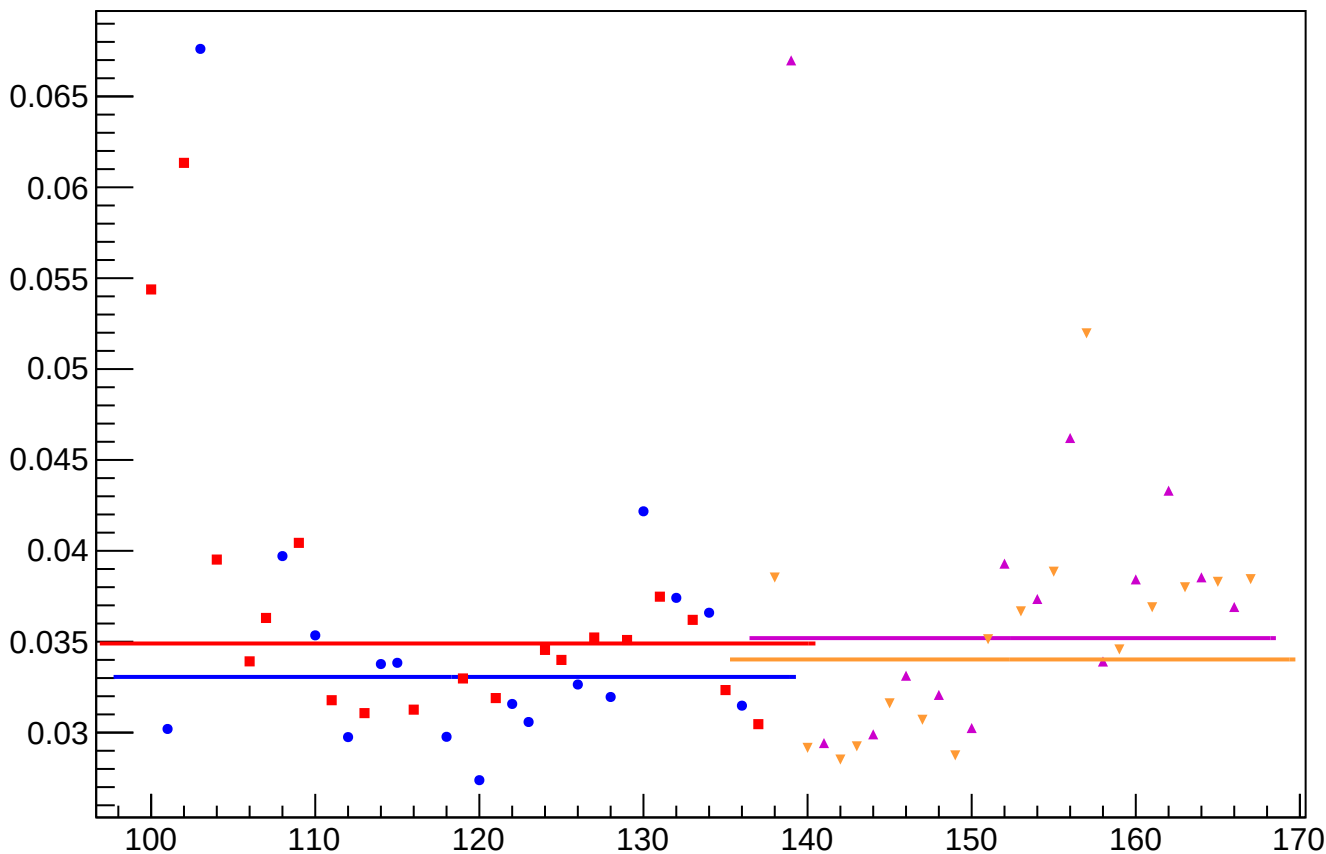
Left In: -1.392 ± 0.000 χ^2/NDF : 471028911.6/13

+ sign -1.191 ± 0.000 χ^2/NDF : 1465916559.5/32

All: -1.197 ± 0.000 χ^2/NDF : 2742599379.9/6

- sign -1.204 ± 0.000 χ^2/NDF : 1275535082.8/32

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.034+/-0.000 χ^2/NDF : 406543.4/15

Right Out: 0.035+/-0.000 χ^2/NDF : 274270.8/18

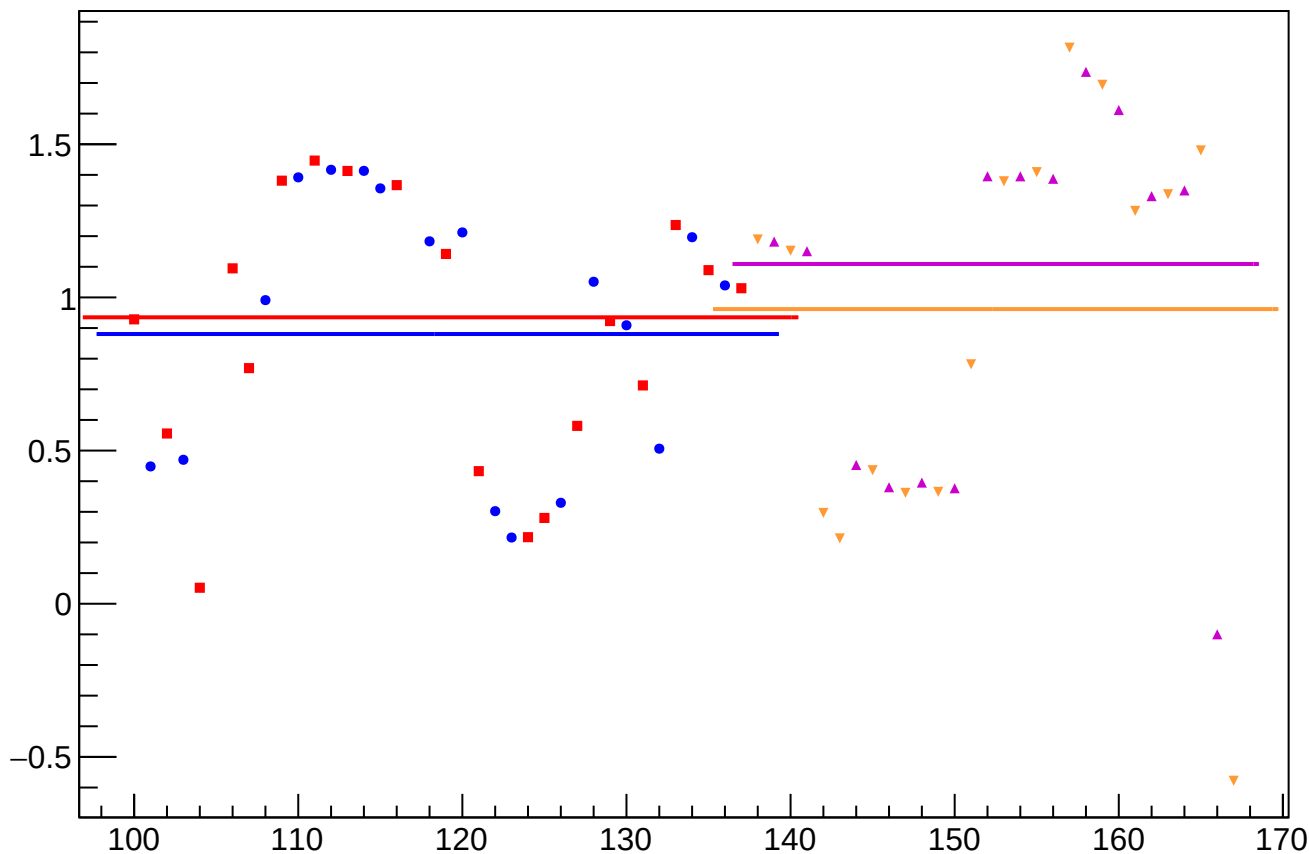
Left In: 0.035+/-0.000 χ^2/NDF : 628743.4/13

+ sign 0.034+/-0.000 χ^2/NDF : 821980.0/32

All: 0.034+/-0.000 χ^2/NDF : 1752514.0/65

- sign 0.035+/-0.000 χ^2/NDF : 903543.0/32

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 0.962 $\pm$ 0.000 χ^2 /NDF: 53581444106.9/15

Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9833525935.6/18

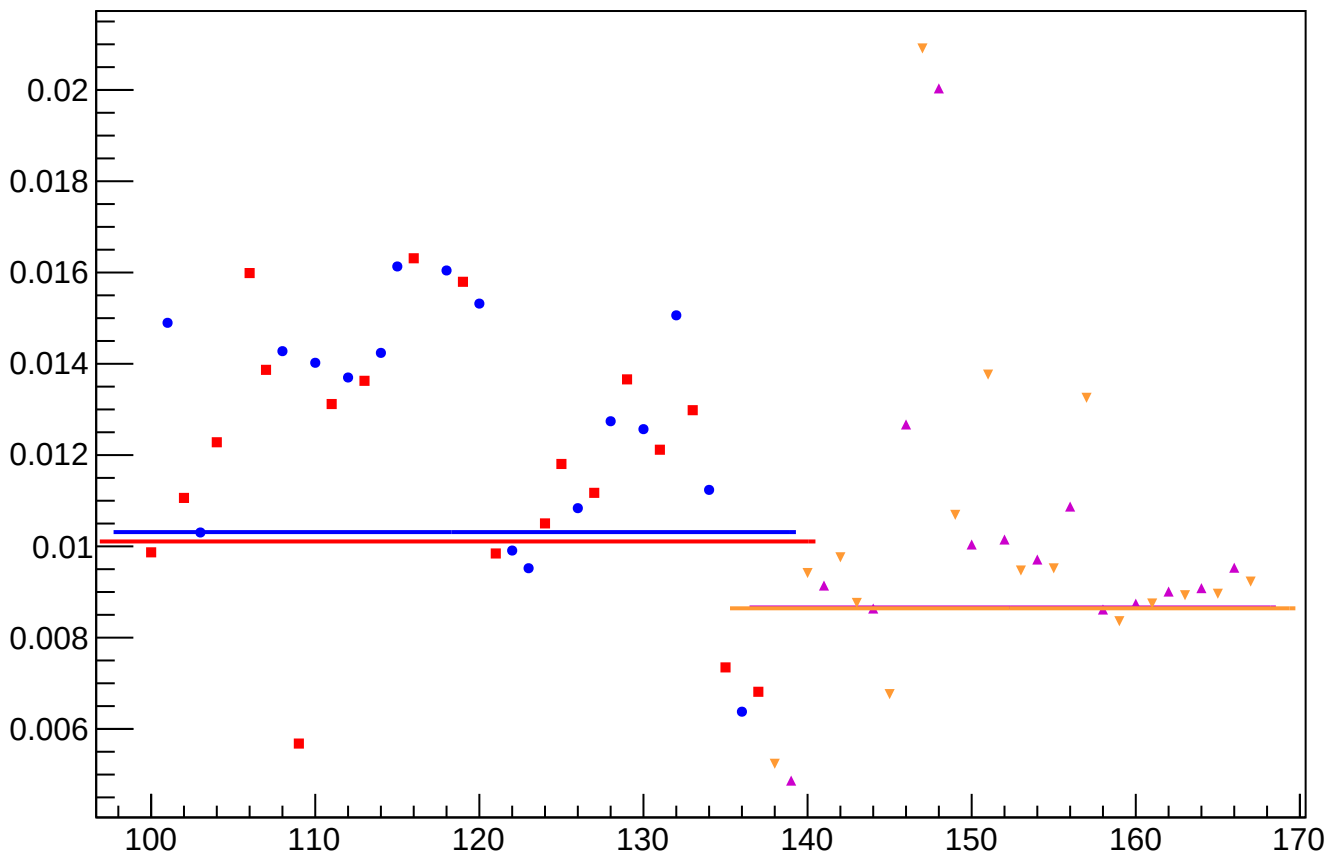
Left In: 1.109 $\pm$ 0.000 χ^2 /NDF: 30161396477.5/13

+ sign 0.940 $\pm$ 0.000 χ^2 /NDF: 60236032024.6/32

All: 0.996 $\pm$ 0.000 χ^2 /NDF: 102691072855.6

- sign 1.055 $\pm$ 0.000 χ^2 /NDF: 41191934386.4/32

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1664228.5/15

Right Out: 0.010+/-0.000 χ^2/NDF : 1178489.1/18

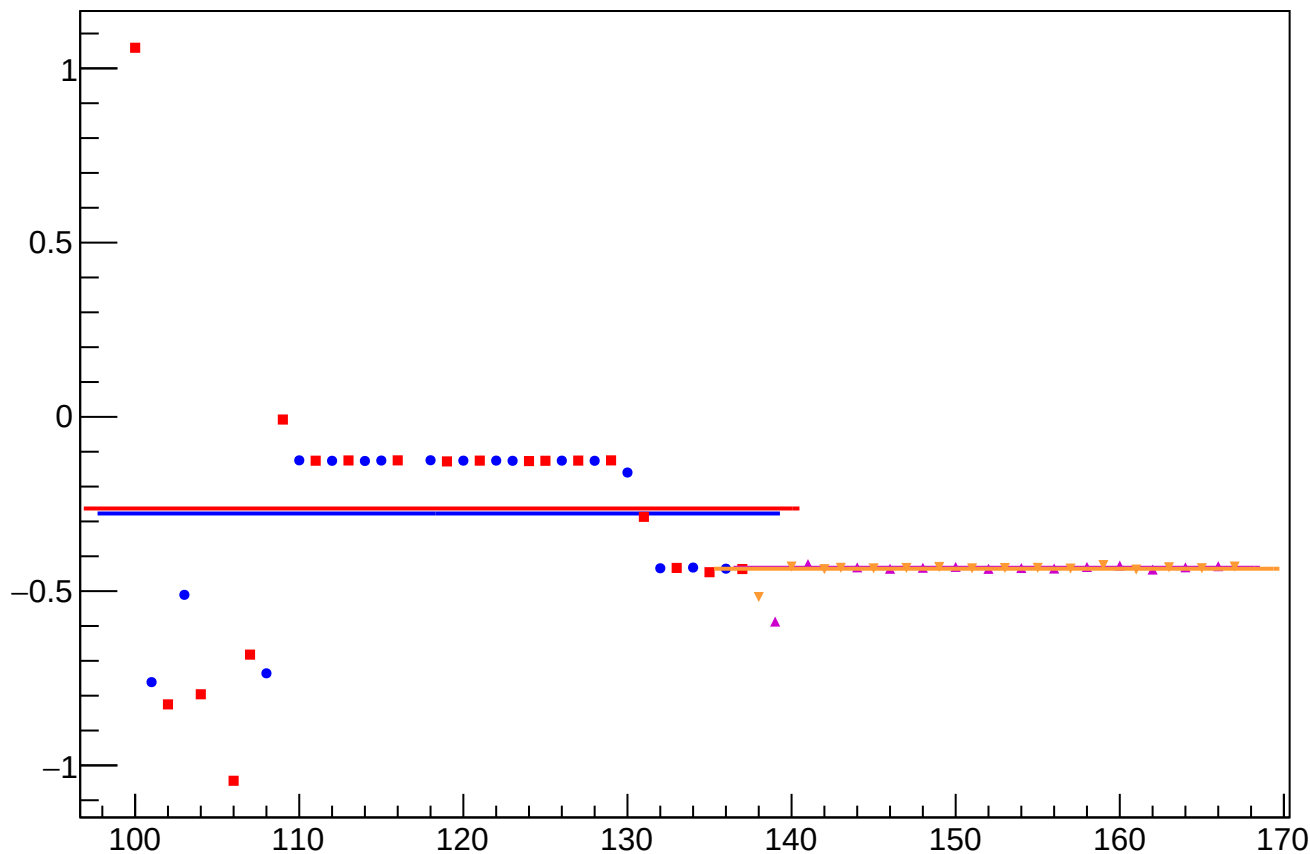
Left In: 0.009+/-0.000 χ^2/NDF : 1568855.6/13

+ sign 0.009+/-0.000 χ^2/NDF : 3109223.7/32

All: 0.009+/-0.000 χ^2/NDF : 6021511.4/65

- sign 0.009+/-0.000 χ^2/NDF : 2912266.8/32

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

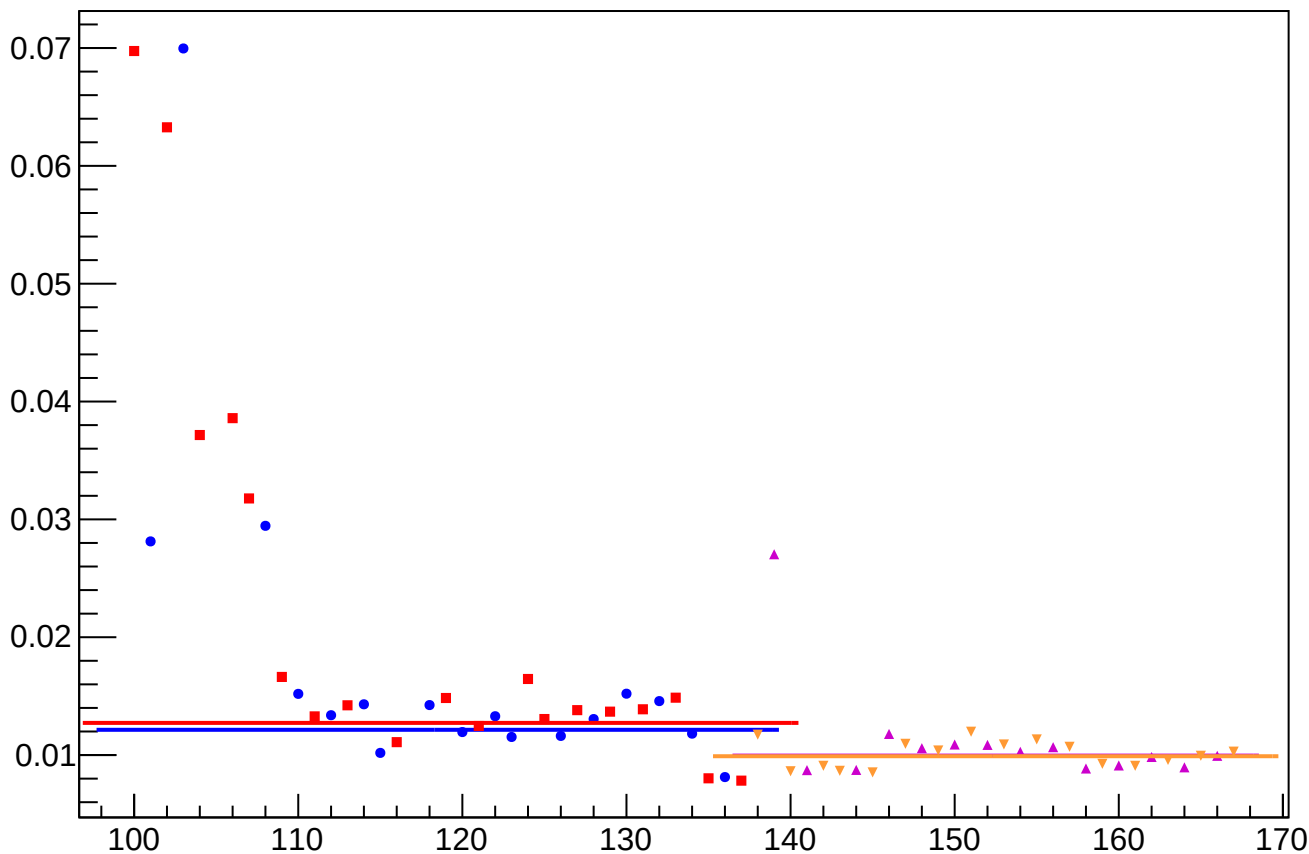
Left In: -0.433 ± 0.000 χ^2/NDF : 23478504.7/13

+ sign -0.397 ± 0.000 χ^2/NDF : 1576301276.7/32

All: -0.394 ± 0.000 χ^2/NDF : 3260987770.0/6

- sign -0.391 ± 0.000 χ^2/NDF : 1681740857.6/32

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1727494.7/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:226234.5/15

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

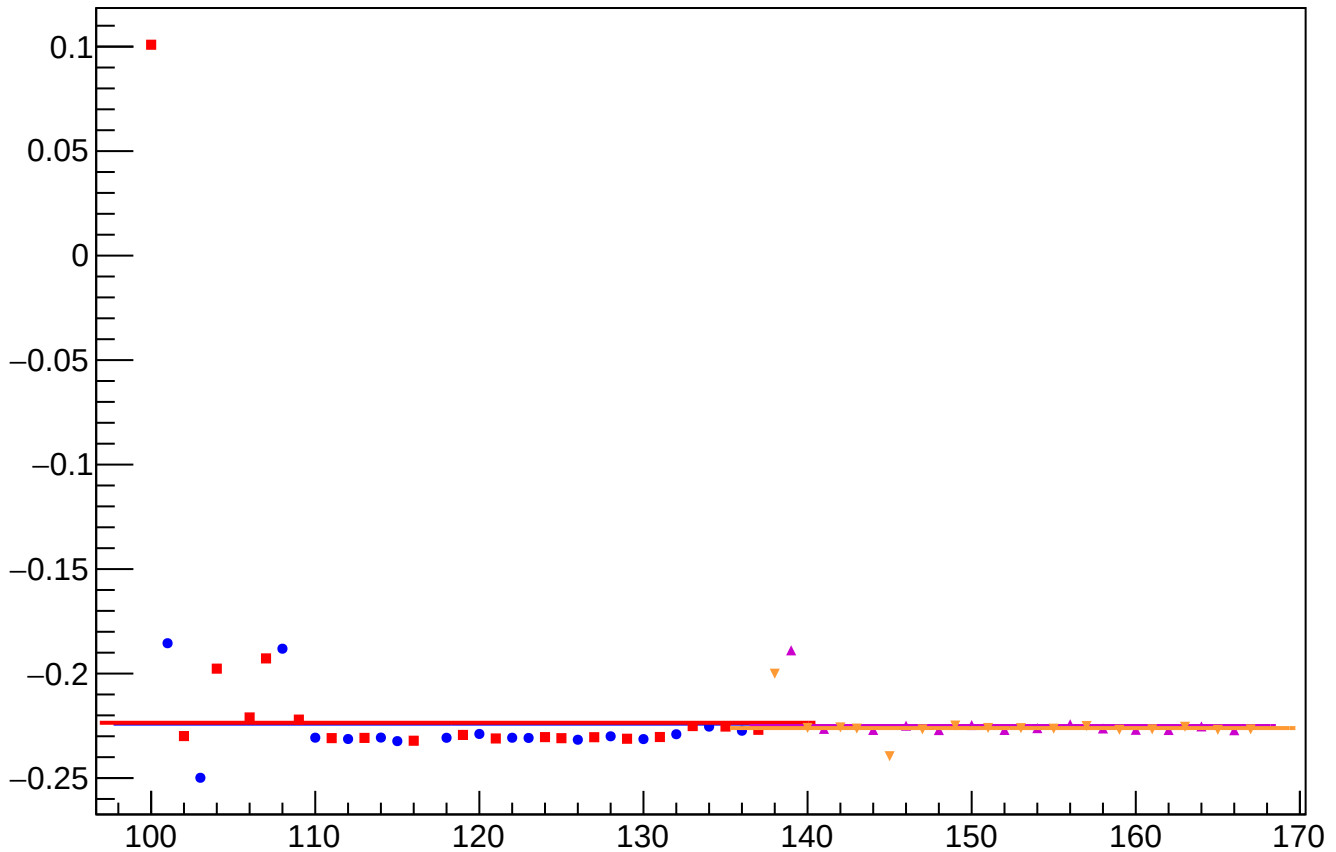
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:693889.2/13

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2197782.3/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5211841.0/65

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3008816.0/32

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

+ sign -0.225+/-0.000 χ^2/NDF : 96079794.9/32

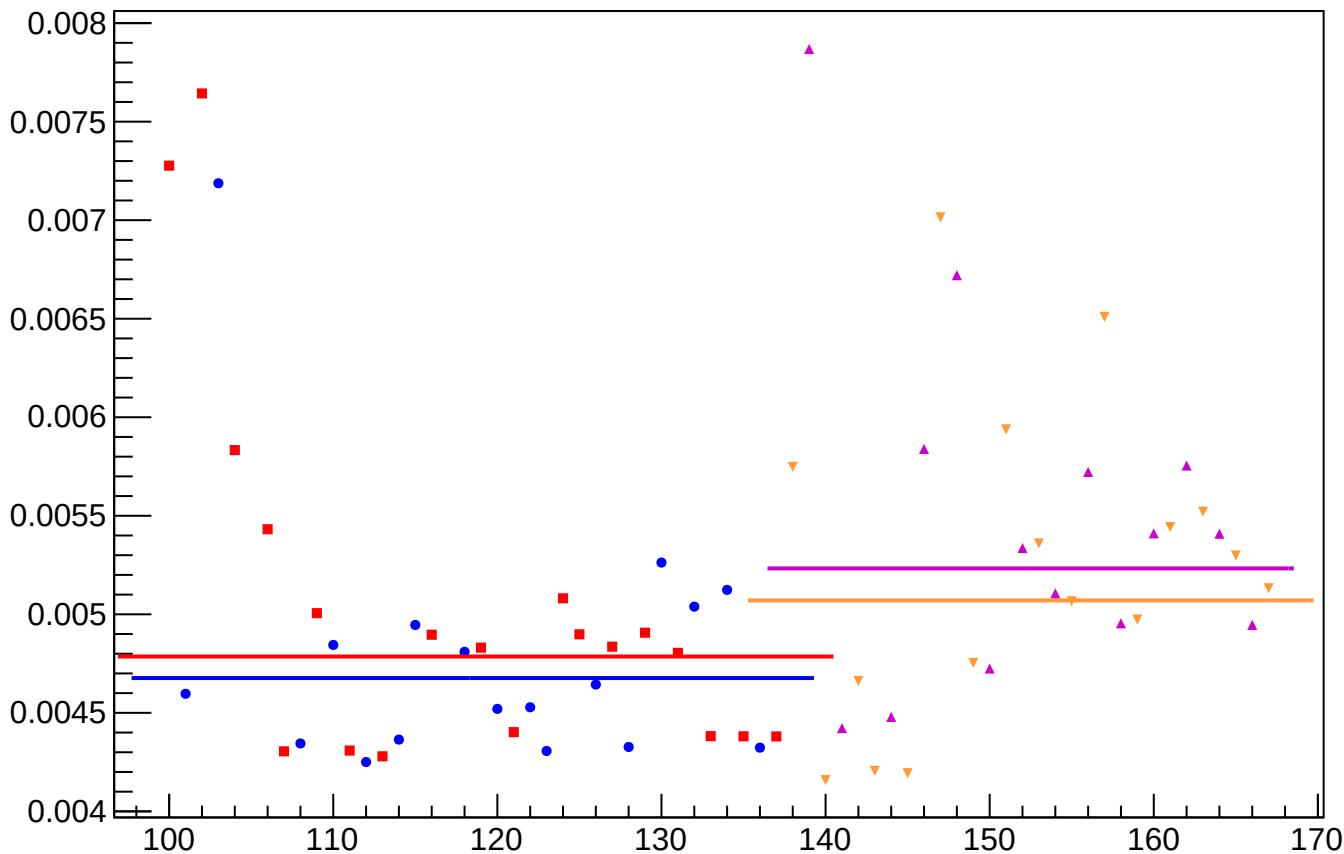
Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

All: -0.225+/-0.000 χ^2/NDF : 279147327.8/65

- sign -0.224+/-0.000 χ^2/NDF : 182846132.1/32

Left In: -0.225+/-0.000 χ^2/NDF : 14336533.3/13

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

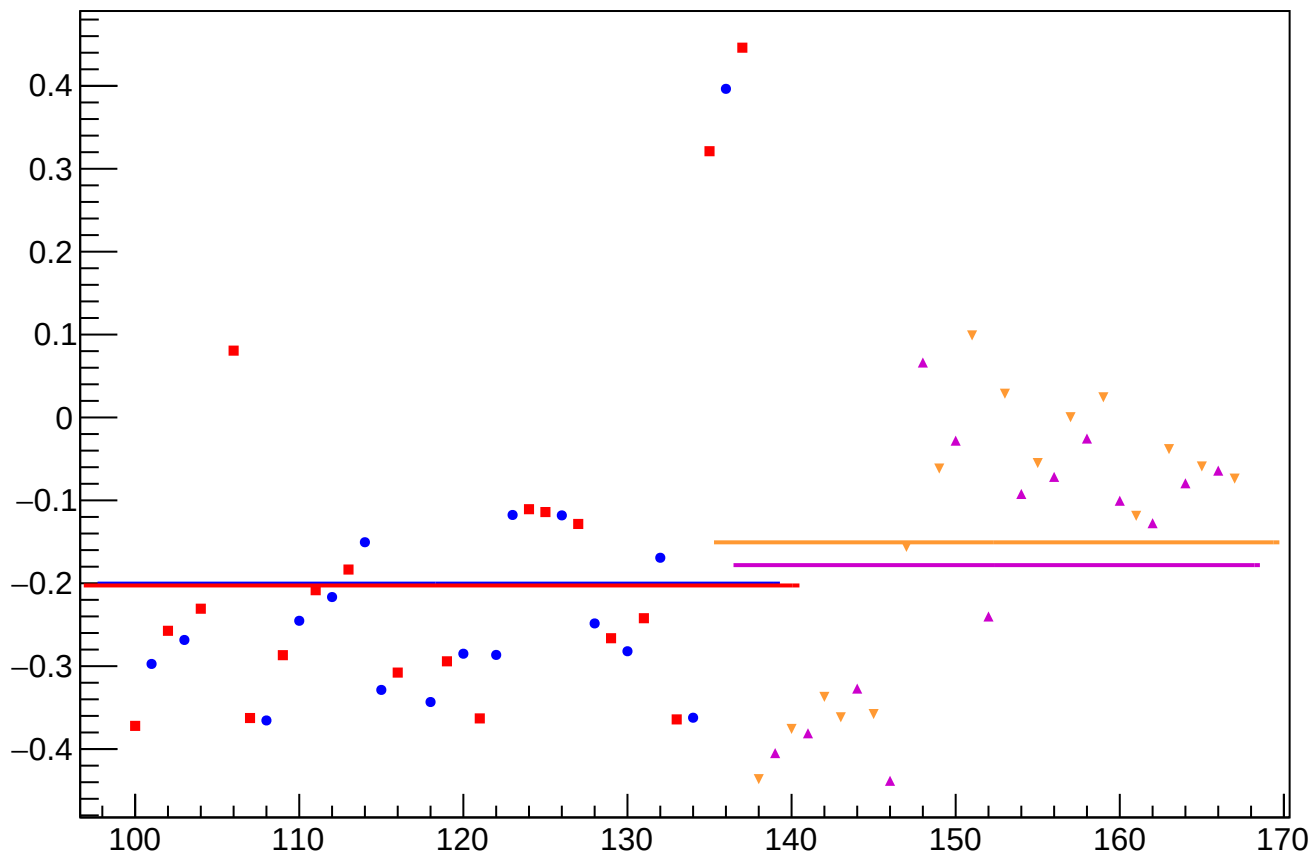
Left In: 0.005+/-0.000 χ^2/NDF : 386087.7/13

+ sign 0.005+/-0.000 χ^2/NDF : 681016.5/32

All: 0.005+/-0.000 χ^2/NDF : 1389313.8/65

- sign 0.005+/-0.000 χ^2/NDF : 697791.7/32

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

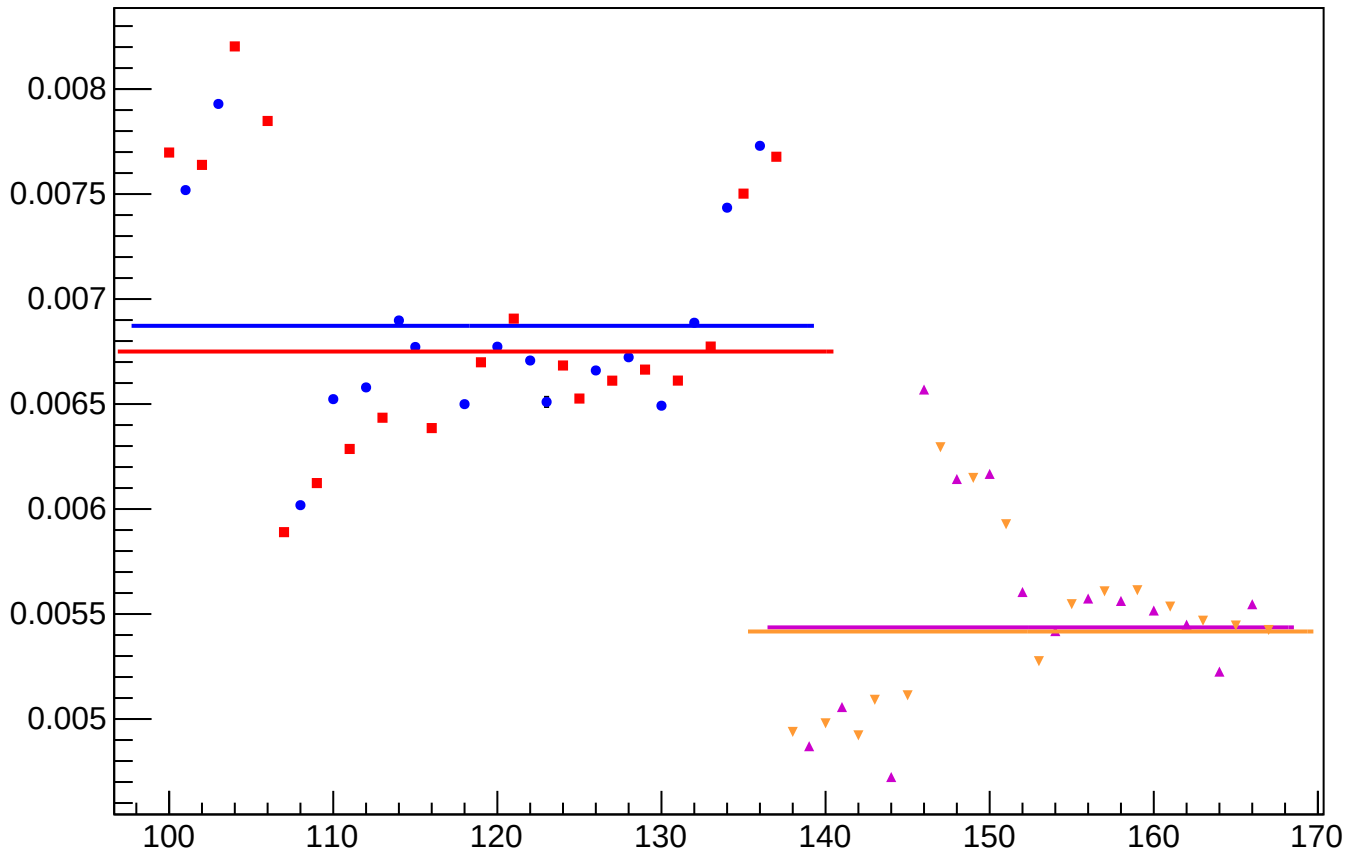
Left In: -0.178 ± 0.000 χ^2/NDF : 7883772801.6/13

+ sign -0.164 ± 0.000 χ^2/NDF : 17400496815.4/32

All: -0.175 ± 0.000 χ^2/NDF : 30493341468.0/32

- sign -0.186 ± 0.000 χ^2/NDF : 12974917039.4/32

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

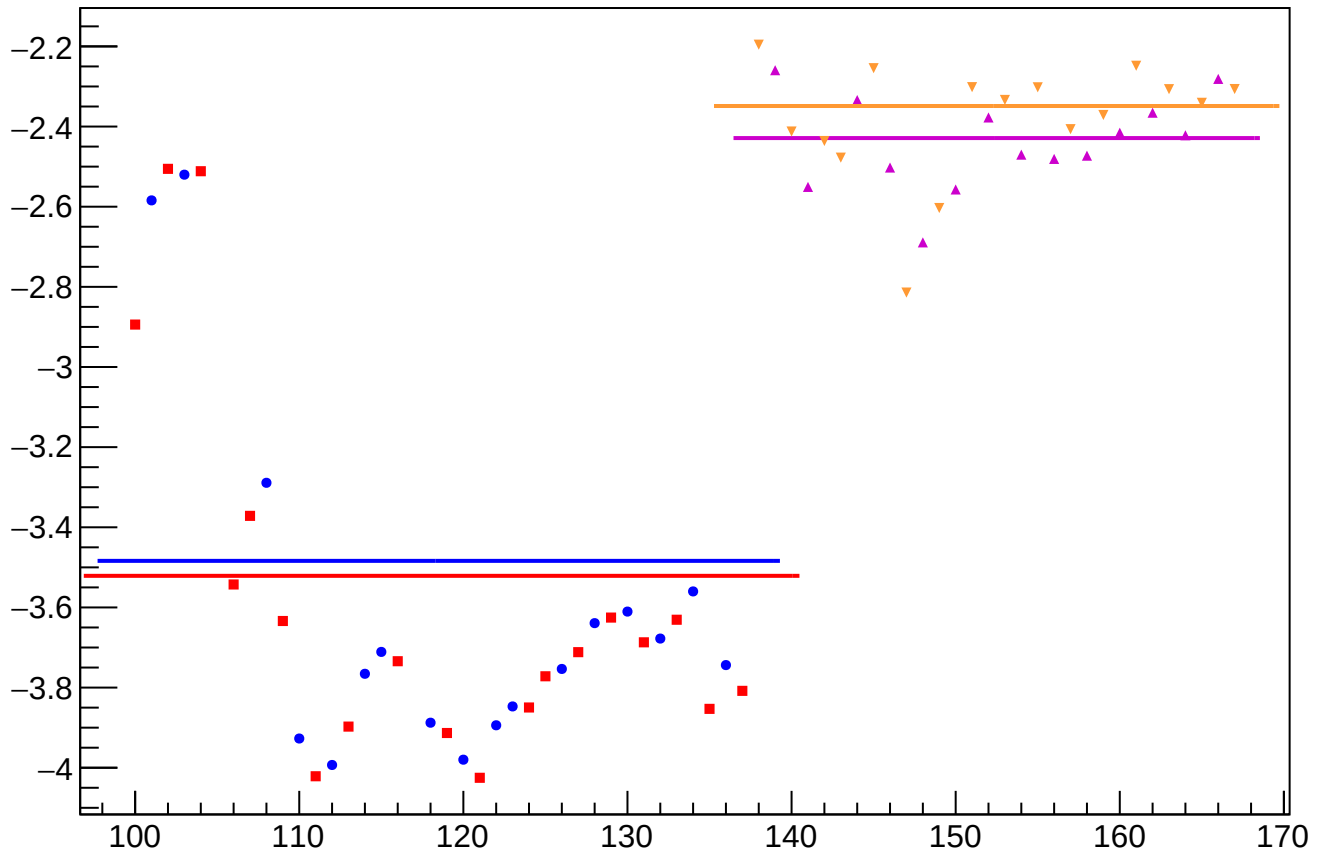
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:146204.1/13

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 614690.1/32

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1227106.6/65

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 611887.5/32

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

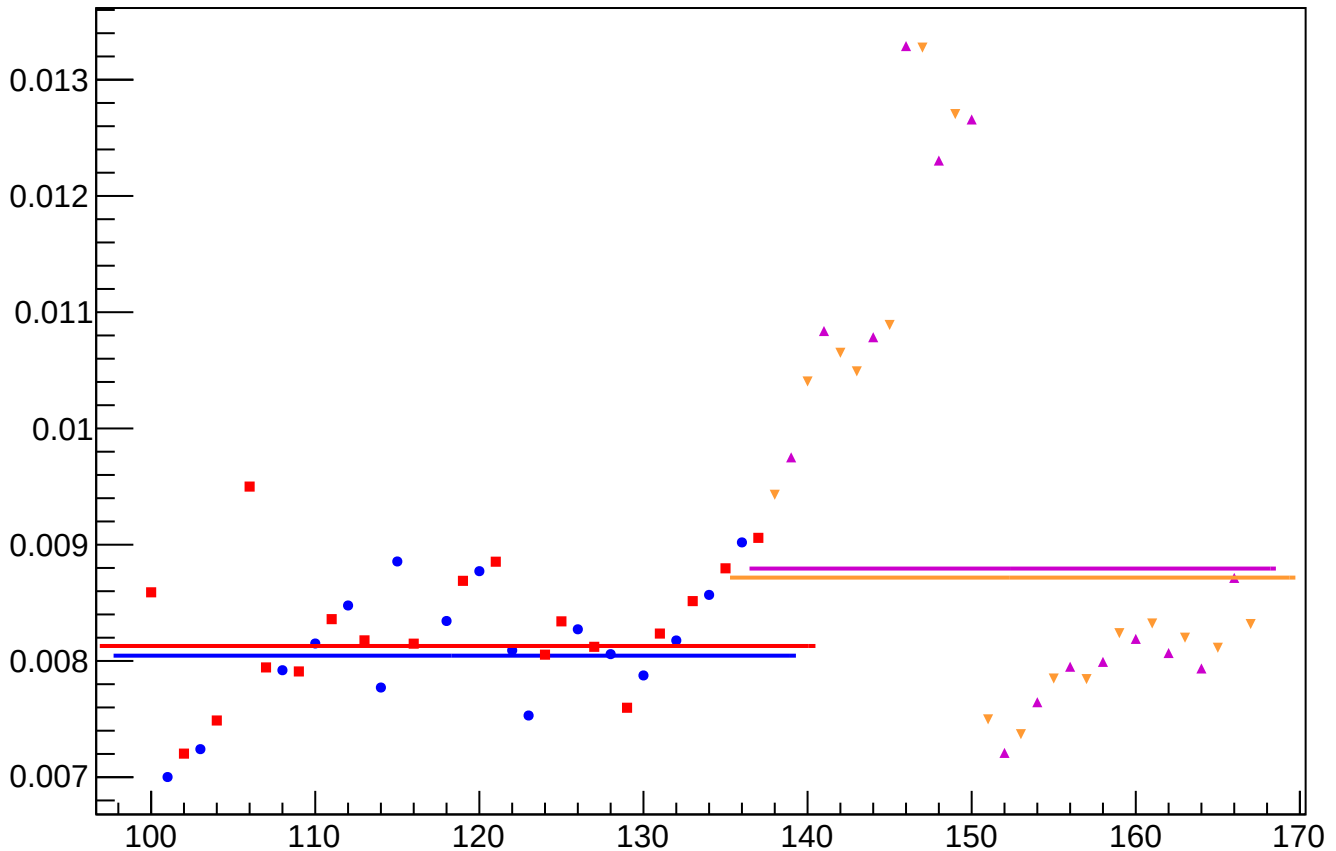
Left In: -2.429+/-0.000 χ^2/NDF : 1097305166.8/13

+ sign -2.818+/-0.000 χ^2/NDF : 104826281924.4/32

All: -2.866+/-0.000 χ^2/NDF : 201327173371.1

- sign -2.916+/-0.000 χ^2/NDF : 95374605355.5/32

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

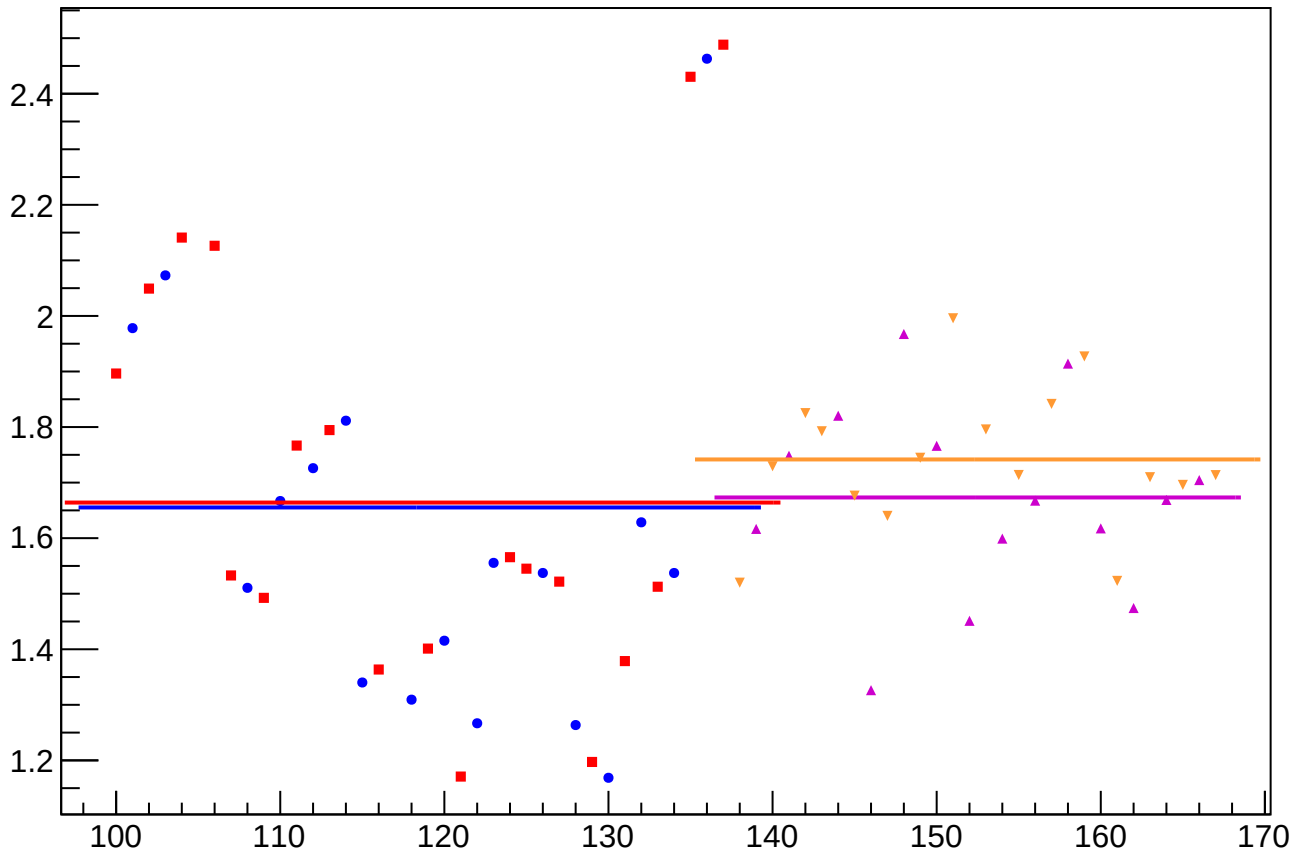
Left In: 0.009 ± 0.000 χ^2/NDF : 698766.1/13

+ sign 0.008 ± 0.000 χ^2/NDF : 718295.1/32

All: 0.008 ± 0.000 χ^2/NDF : 1525750.4/65

- sign 0.008 ± 0.000 χ^2/NDF : 806643.9/32

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 $\pm$ 0.000 χ^2 /NDF: 6476474909.3/16

Left Out: 1.742 $\pm$ 0.000 χ^2 /NDF: 1523208870.0/15

Right Out: 1.664 $\pm$ 0.000 χ^2 /NDF: 5944262279.7/18

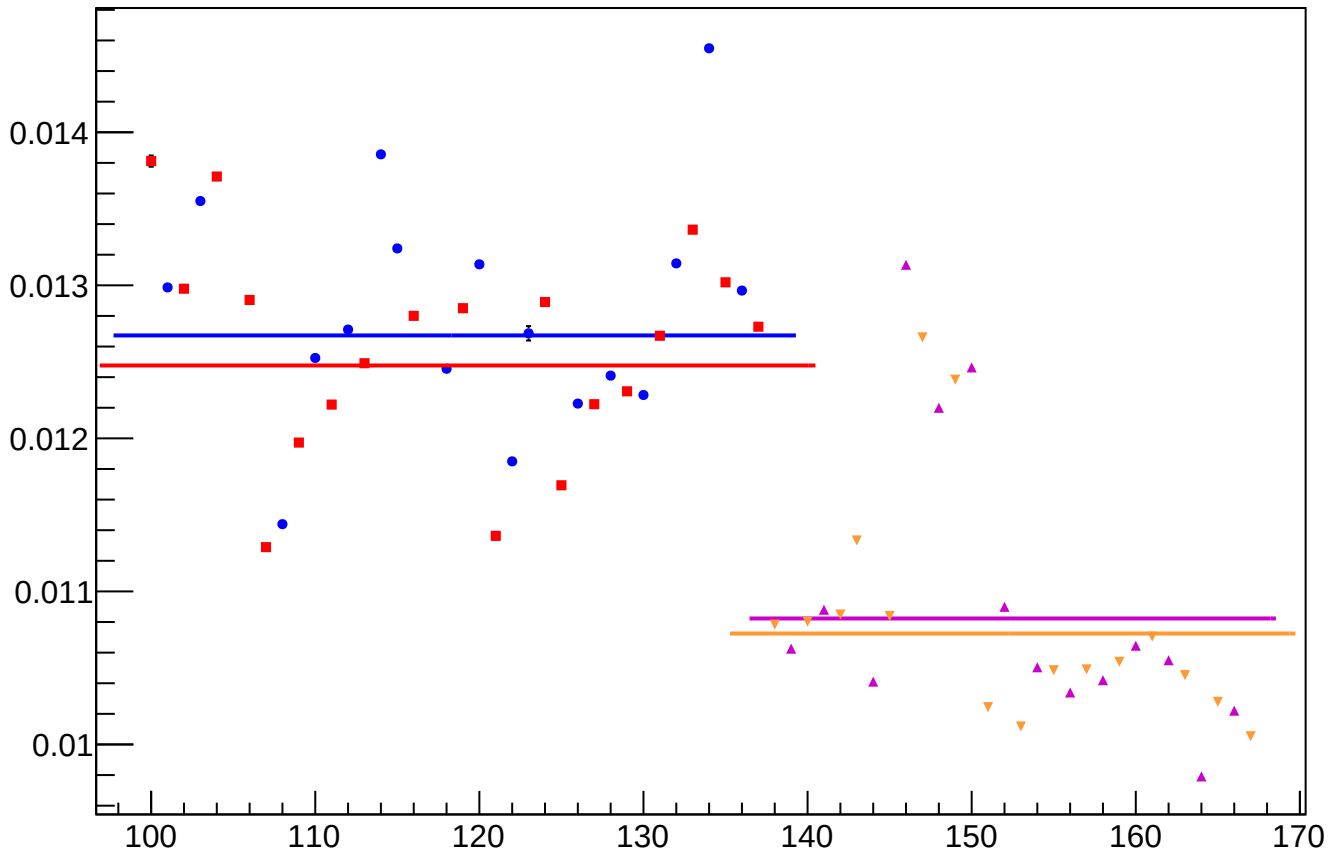
Left In: 1.673 $\pm$ 0.000 χ^2 /NDF: 2247533421.8/13

+ sign 1.716 $\pm$ 0.000 χ^2 /NDF: 8215065432.0/32

All: 1.694 $\pm$ 0.000 χ^2 /NDF: 16552825418.3/6

- sign 1.670 $\pm$ 0.000 χ^2 /NDF: 8194264908.1/32

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

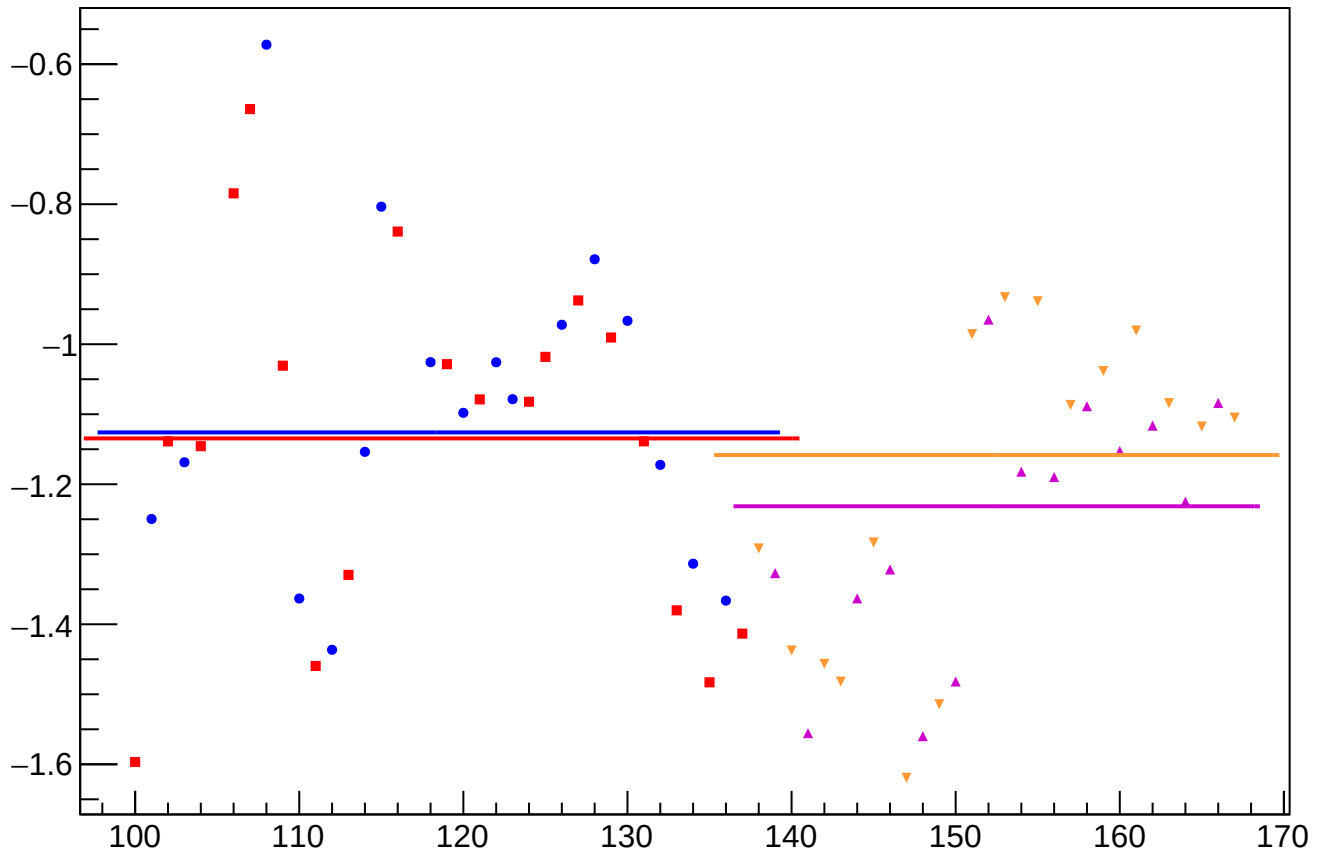
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:117182.6/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 335560.4/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 653208.7/65

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 316744.1/32

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

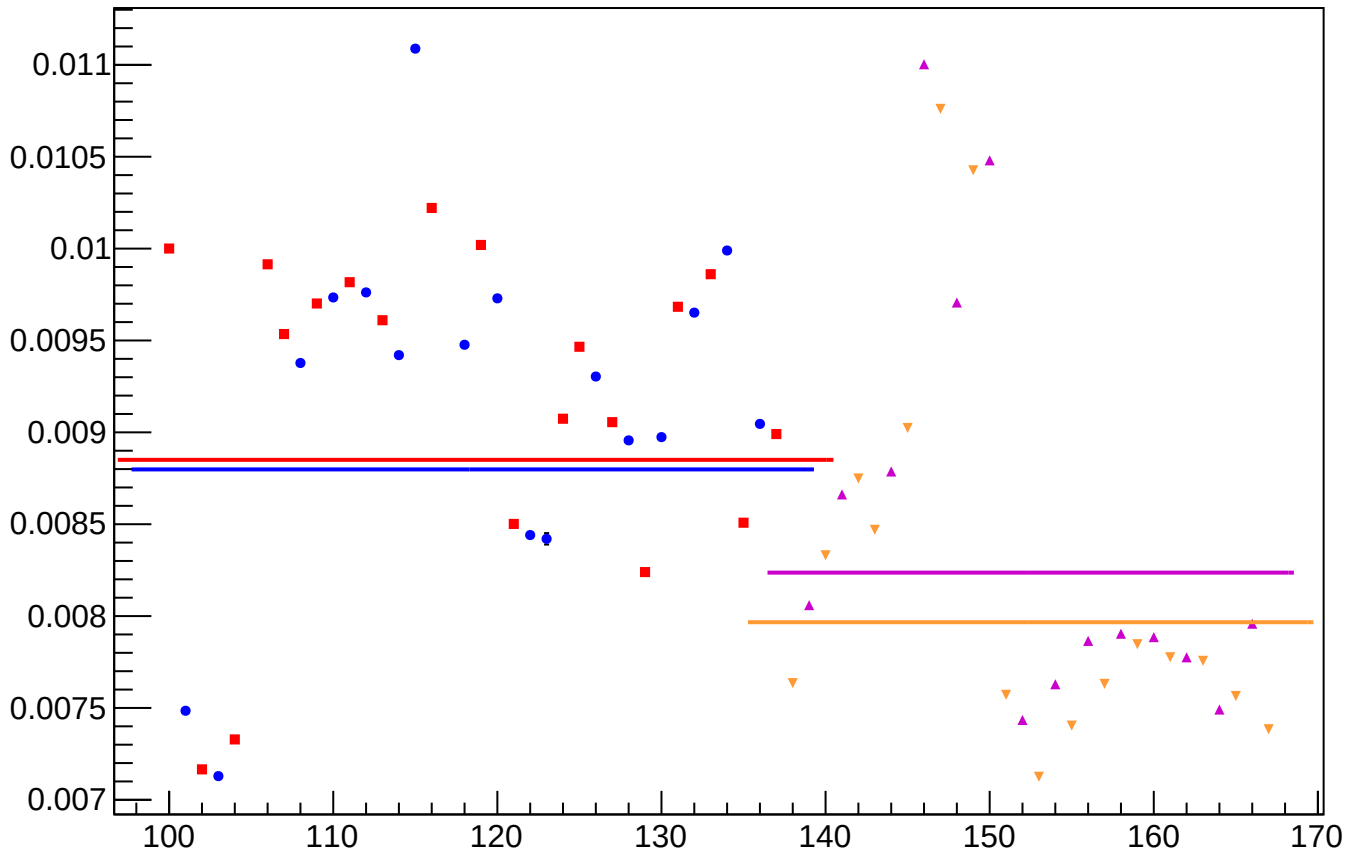
Left In: -1.231+/-0.000 χ^2/NDF : 4404389388.5/13

+ sign -1.148+/-0.000 χ^2/NDF : 10721410615.8/32

All: -1.171+/-0.000 χ^2/NDF : 19590264368.6/64

- sign -1.196+/-0.000 χ^2/NDF : 8585959157.7/32

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

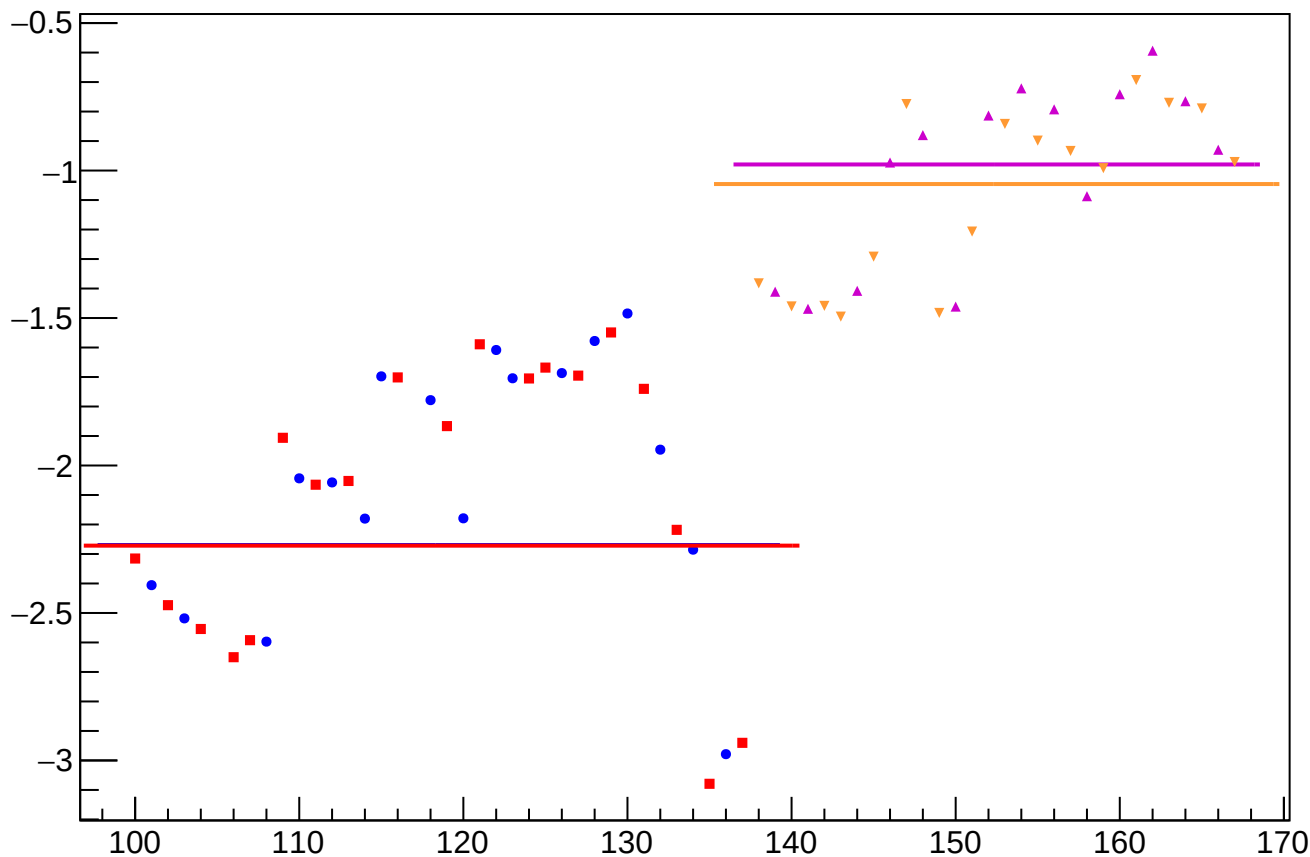
Left In: 0.008 ± 0.000 χ^2/NDF : 242655.6/13

+ sign 0.008 ± 0.000 χ^2/NDF : 472605.7/32

All: 0.008 ± 0.000 χ^2/NDF : 941675.8/65

- sign 0.008 ± 0.000 χ^2/NDF : 457042.0/32

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

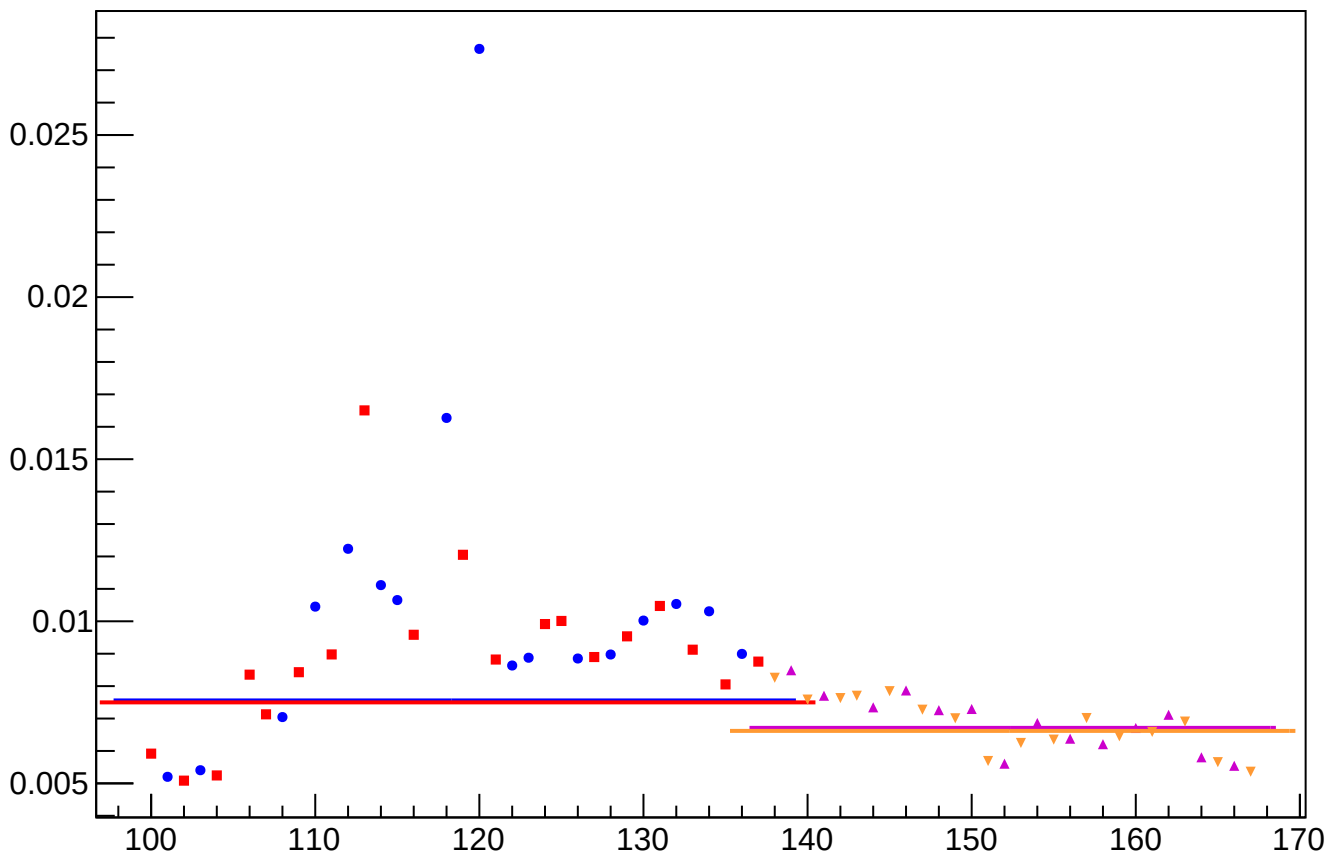
Left In: -0.979+/-0.000 χ^2/NDF : 17738407405.3/13

+ sign -1.371+/-0.000 χ^2/NDF : 131821219762.2/32

All: -1.376+/-0.000 χ^2/NDF : 283023214853.1

- sign -1.382+/-0.000 χ^2/NDF : 151180629853.6/32

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :330503.3/15

Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

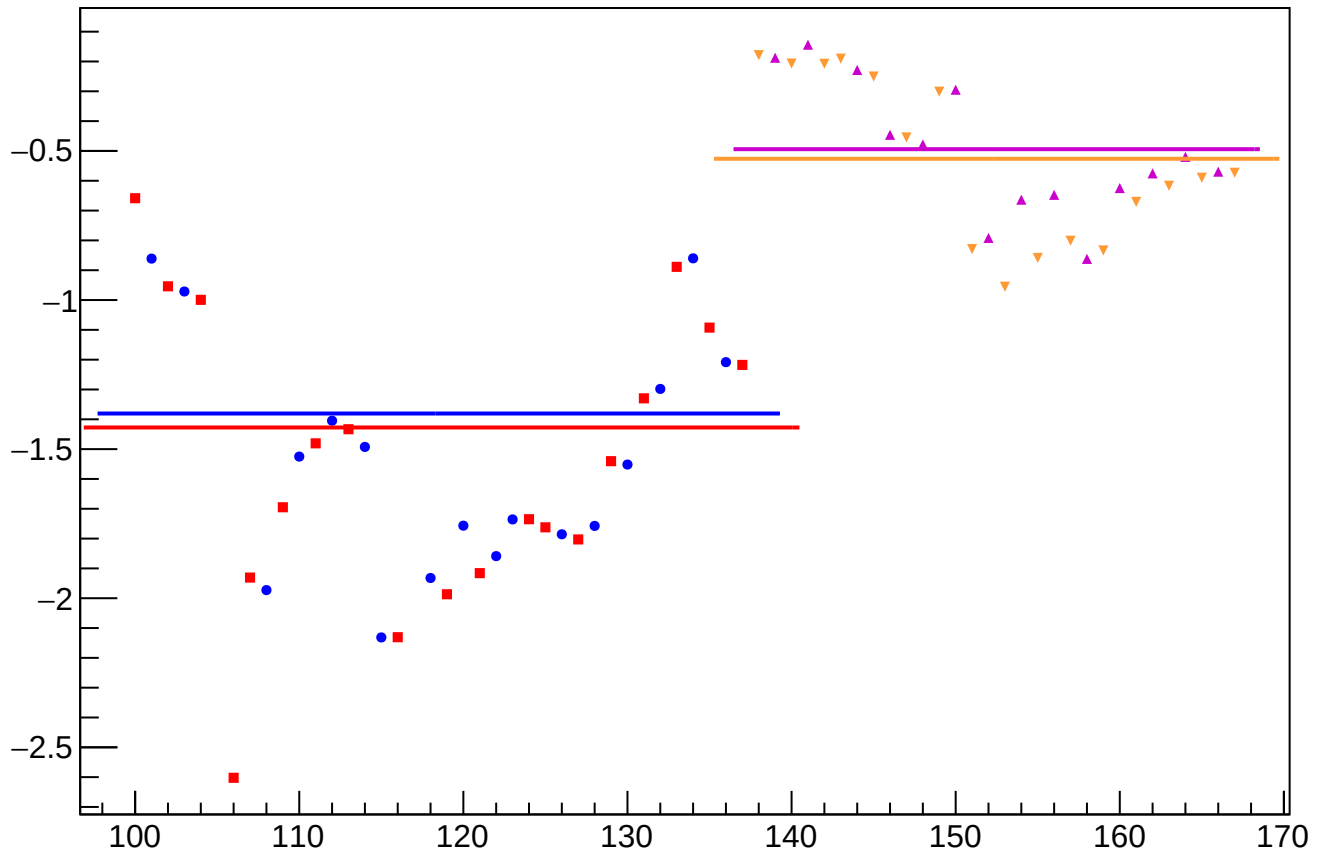
Left In: 0.007+/-0.000 χ^2/NDF :296635.1/13

+ sign 0.007+/-0.000 χ^2/NDF : 1665637.1/32

All: 0.007+/-0.000 χ^2/NDF : 2983584.2/65

- sign 0.007+/-0.000 χ^2/NDF : 1315376.0/32

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

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

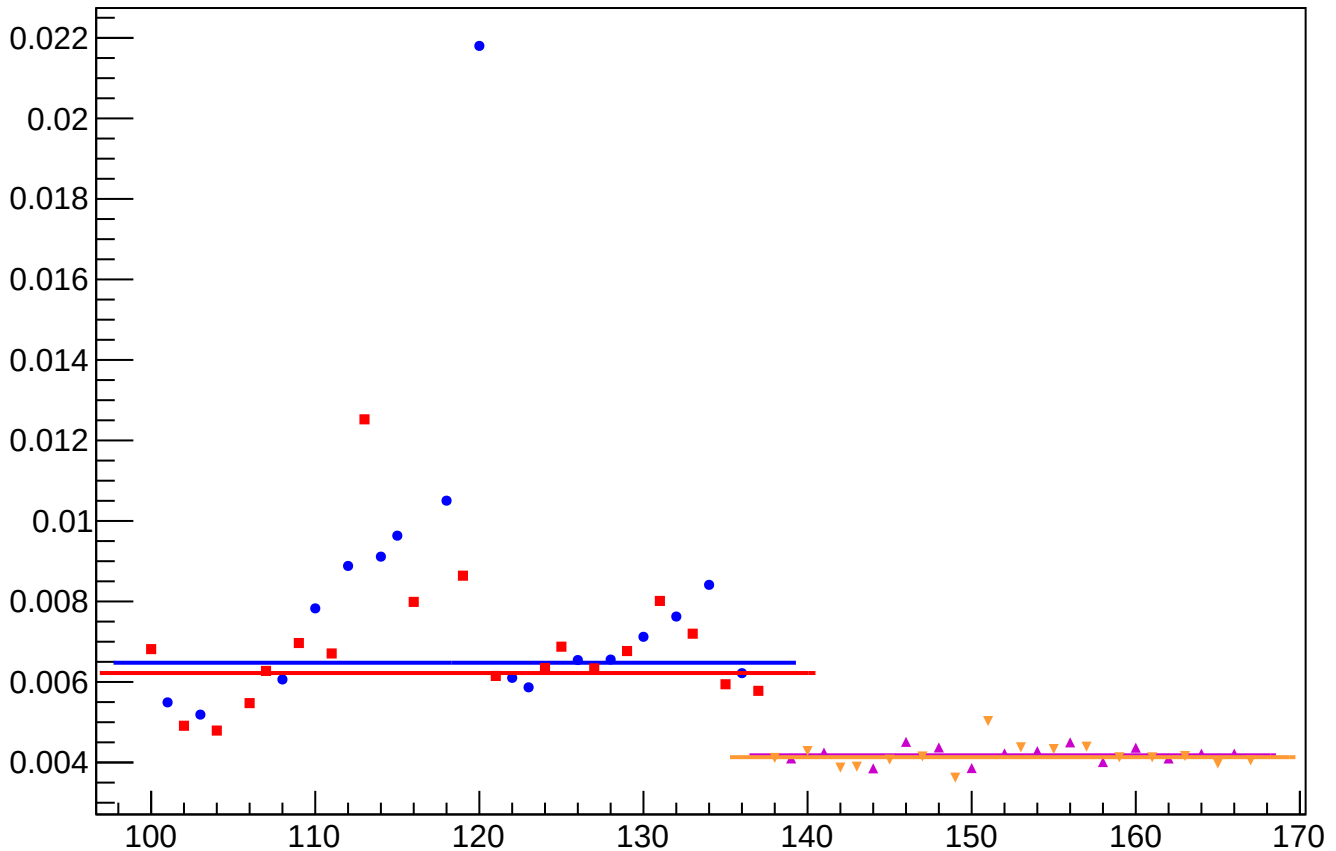
Left In: -0.494+/-0.000 χ^2/NDF : 28221066371.1/13

+ sign -0.673+/-0.000 χ^2/NDF : 143068192907.1/32

All: -0.682+/-0.000 χ^2/NDF : 305274835042.8

- sign -0.692+/-0.000 χ^2/NDF : 162069000295.2/32

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

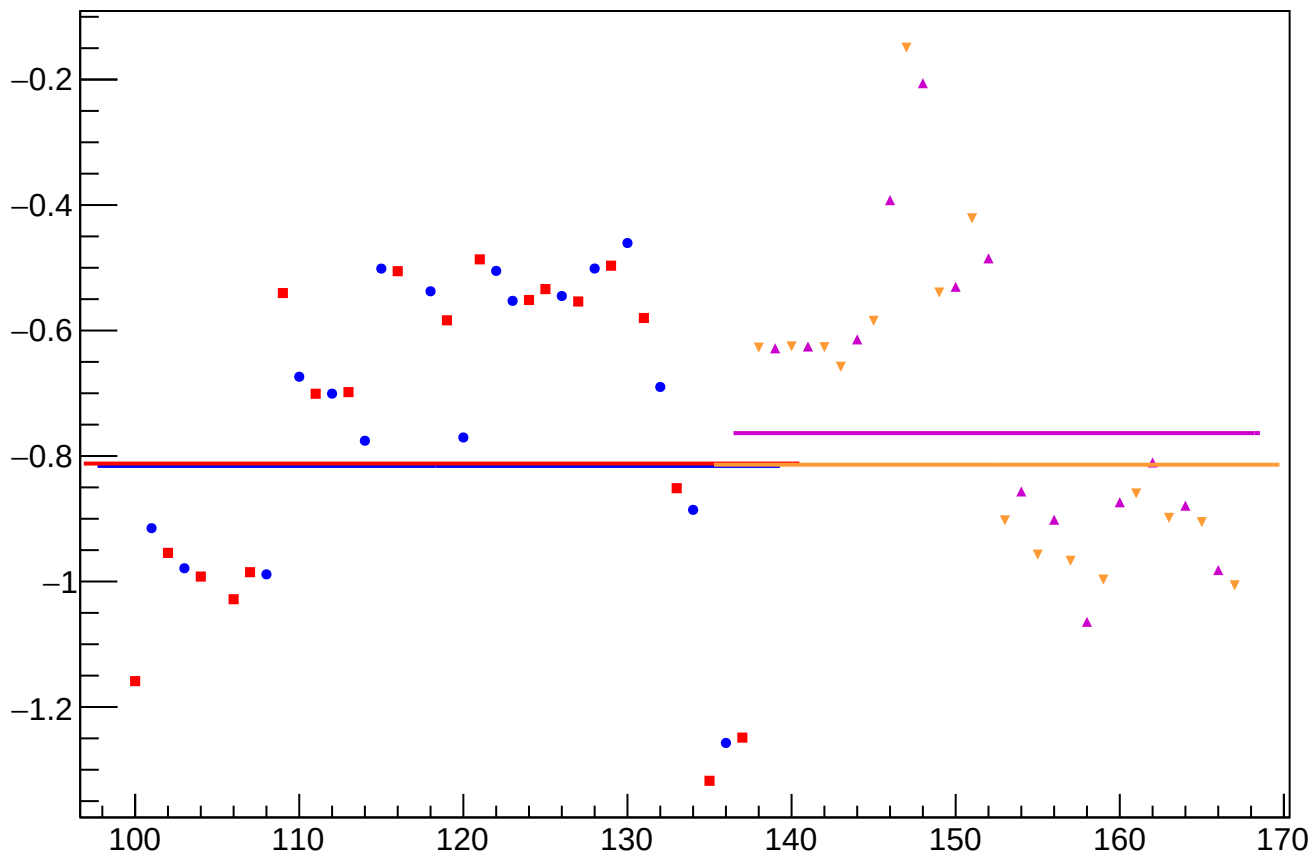
Left In: 0.004+/-0.000 χ^2/NDF : 46870.6/13

+ sign 0.005+/-0.000 χ^2/NDF : 1846493.5/32

All: 0.005+/-0.000 χ^2/NDF : 3321172.9/65

- sign 0.005+/-0.000 χ^2/NDF : 1470248.3/32

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

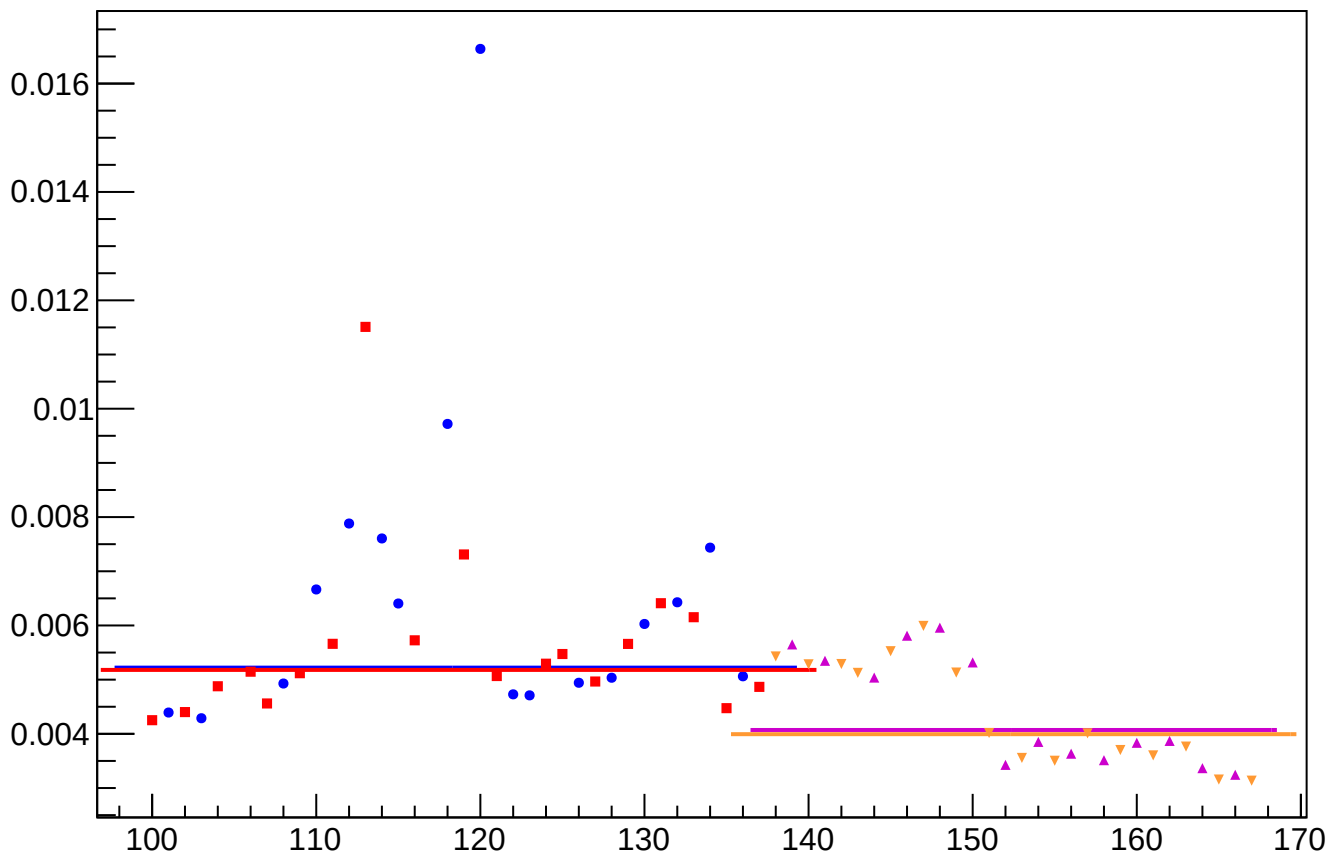
Left In: -0.763+/-0.000 χ^2/NDF : 28537265021.3/13

+ sign -0.814+/-0.000 χ^2/NDF : 43526441856.1/32

All: -0.796+/-0.000 χ^2/NDF : 89835629681.9/32

- sign -0.777+/-0.000 χ^2/NDF : 45730990764.3/32

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

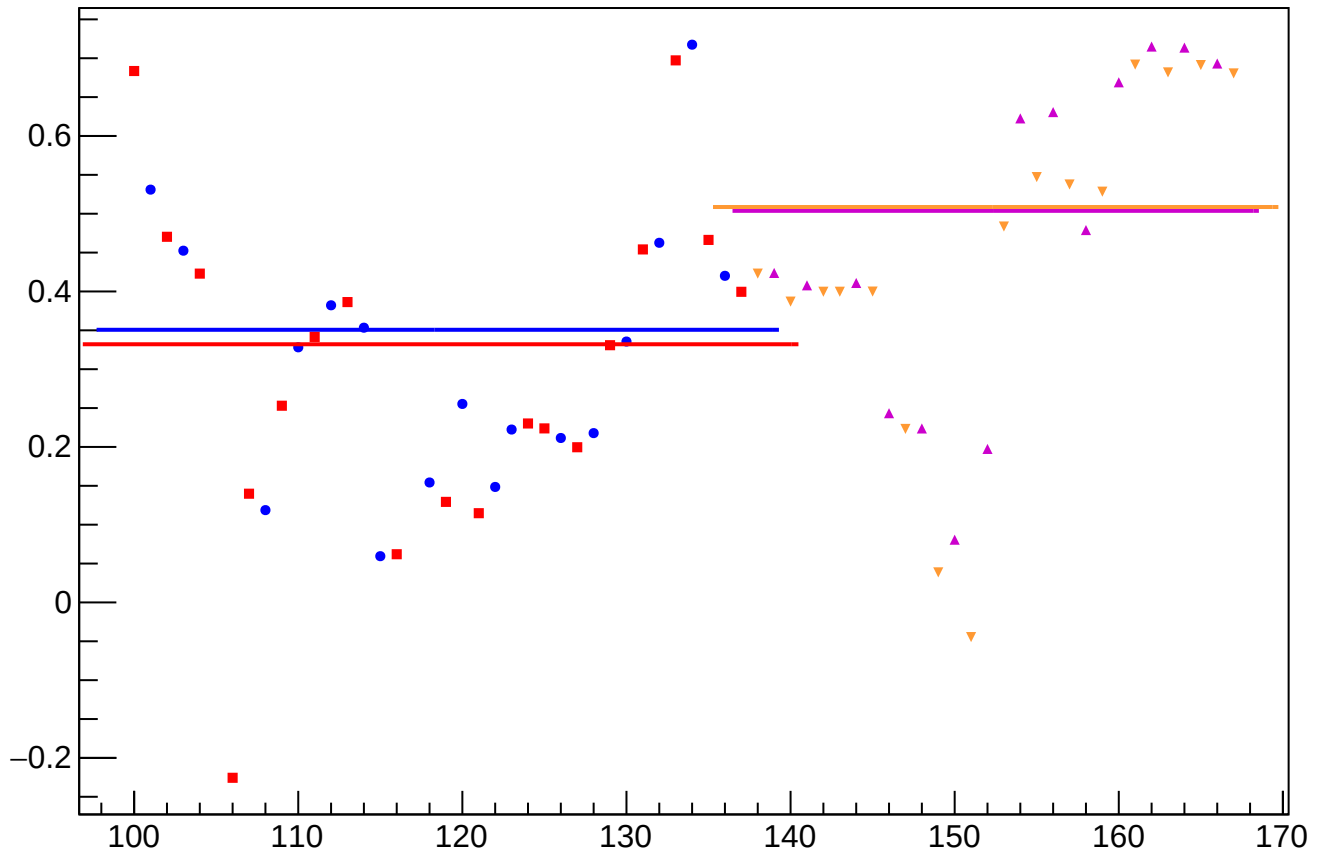
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:859573.4/13

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2015933.9/32

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 3641465.5/65

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1617420.1/32

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

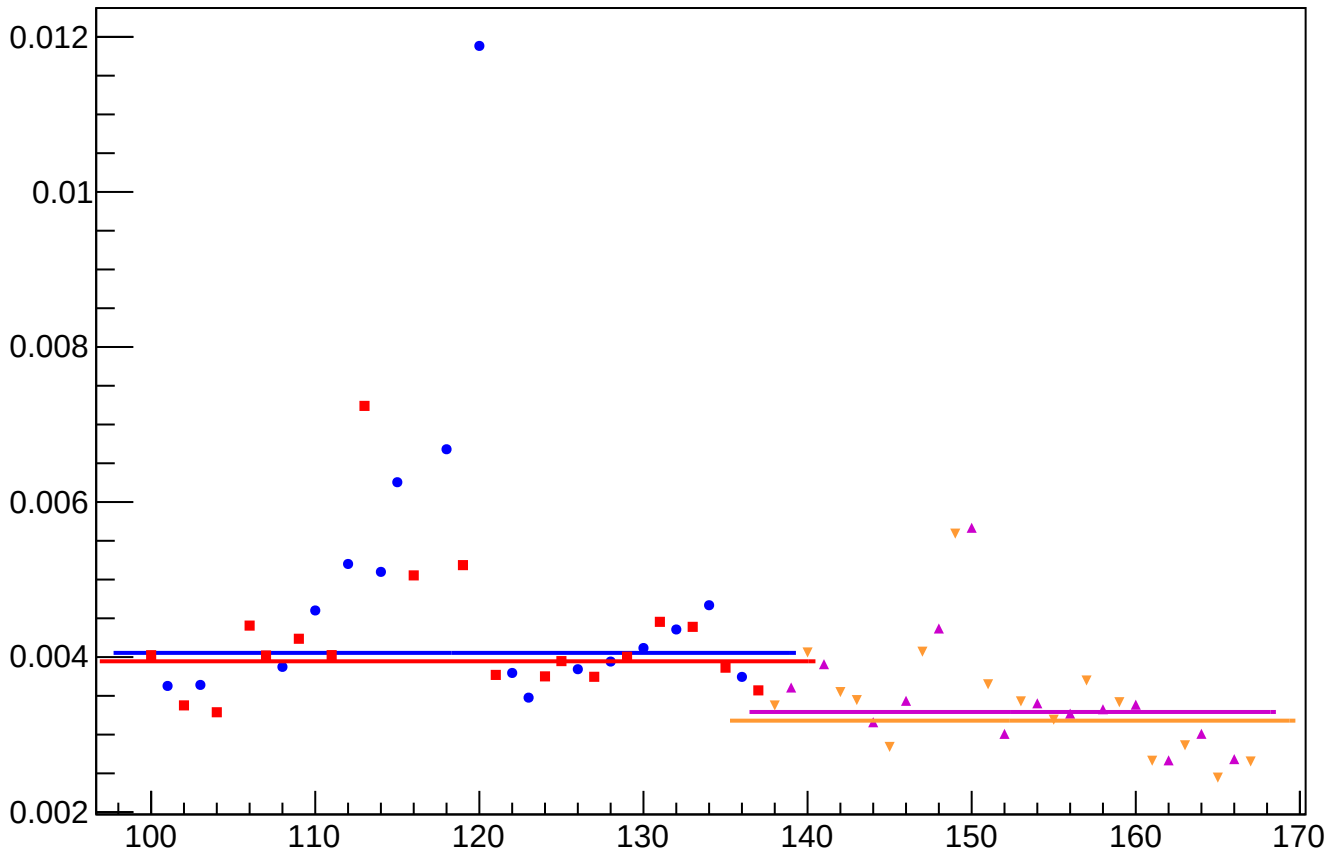
Left In: 0.504+/-0.000 χ^2/NDF : 33395834841.1/13

+ sign 0.468+/-0.000 χ^2/NDF : 51183921598.3/32

All: 0.459+/-0.000 χ^2/NDF : 104535674685.9

- sign 0.450+/-0.000 χ^2/NDF : 53146548135.7/32

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

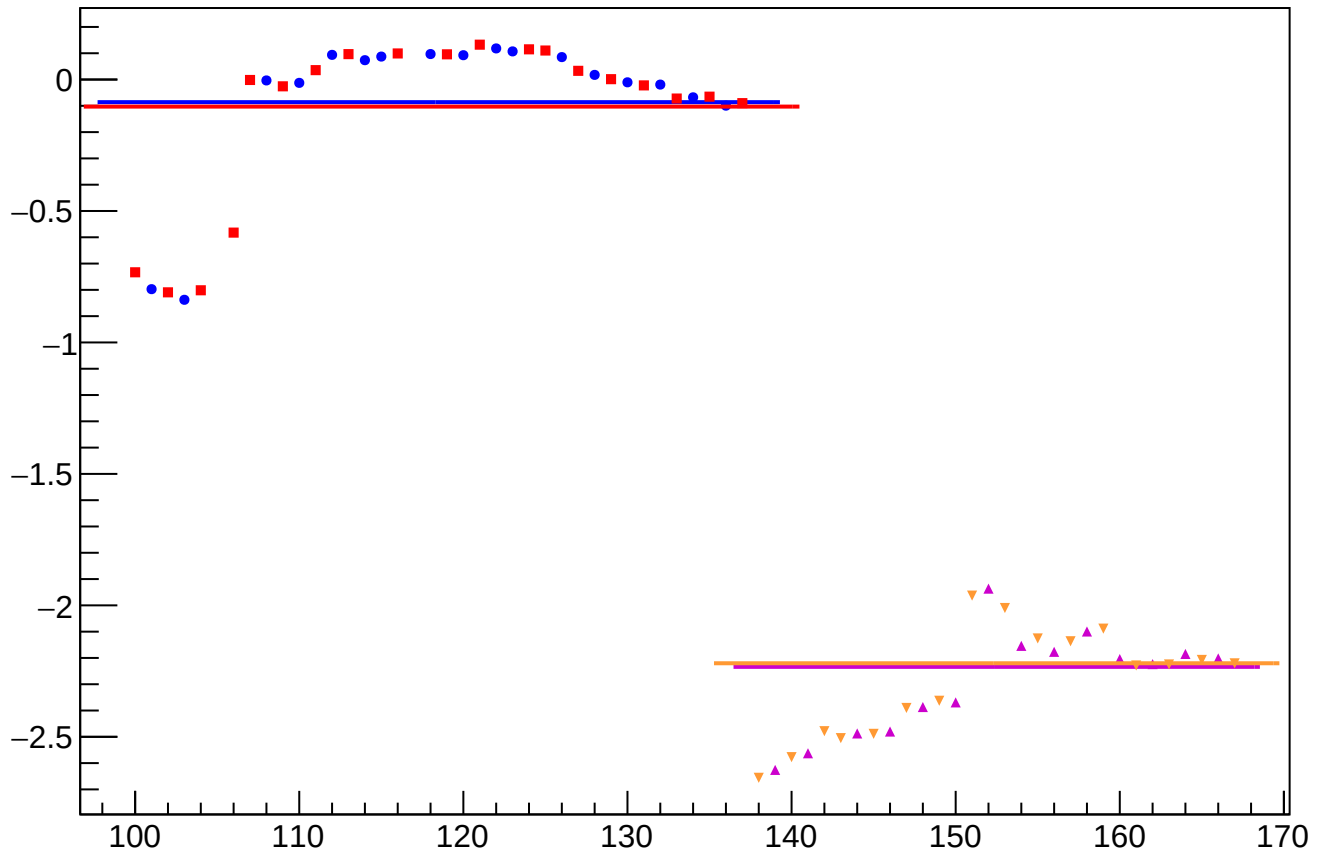
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 556792.0/13

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1556278.7/32

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2615389.3/65

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1048495.7/32

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

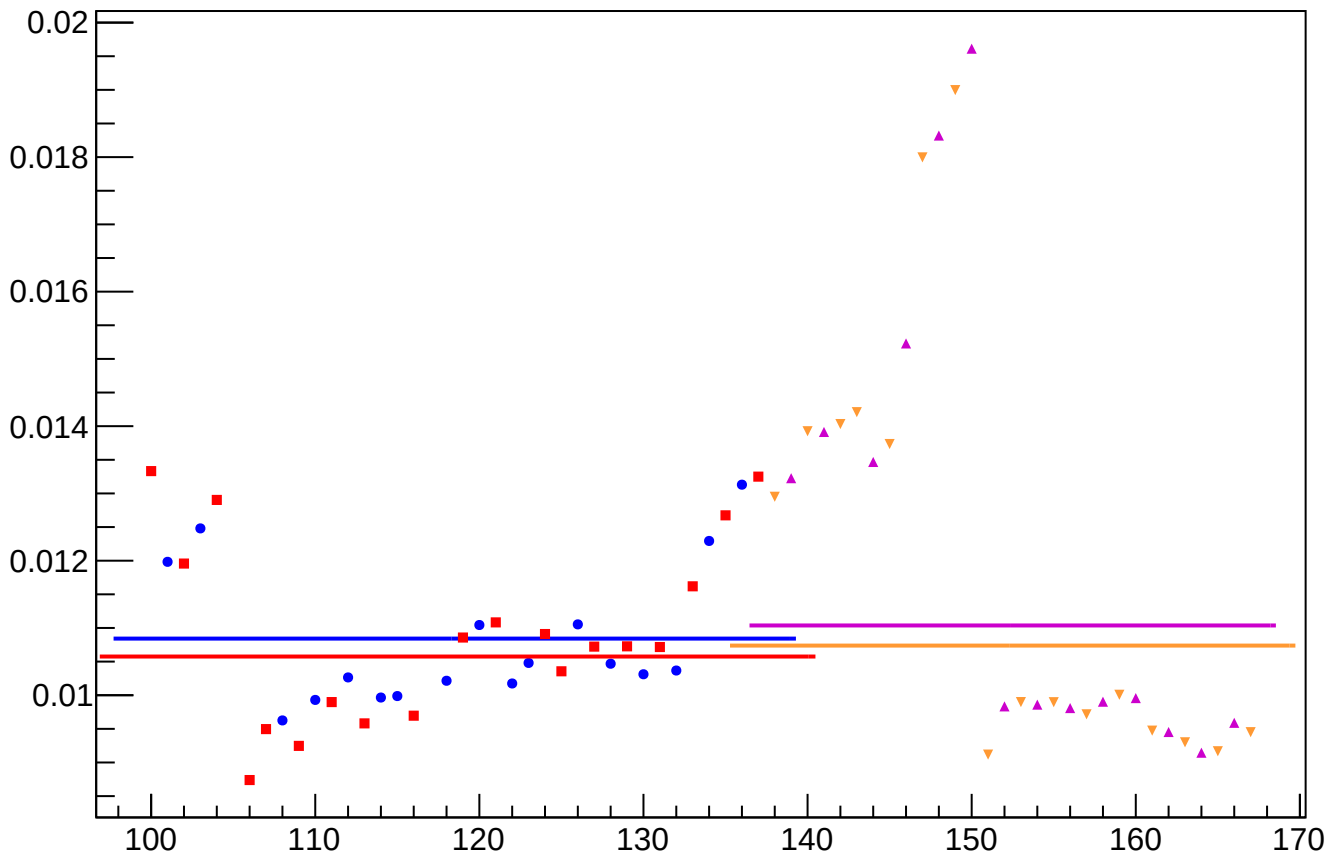
Left In: -2.234+/-0.000 χ^2 /NDF: 2689196510.5/13

+ sign -1.437+/-0.000 χ^2 /NDF: 171268705787.8/32

All: -1.382+/-0.000 χ^2 /NDF: 343531893677.9

- sign -1.323+/-0.000 χ^2 /NDF: 171279261900.7/32

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

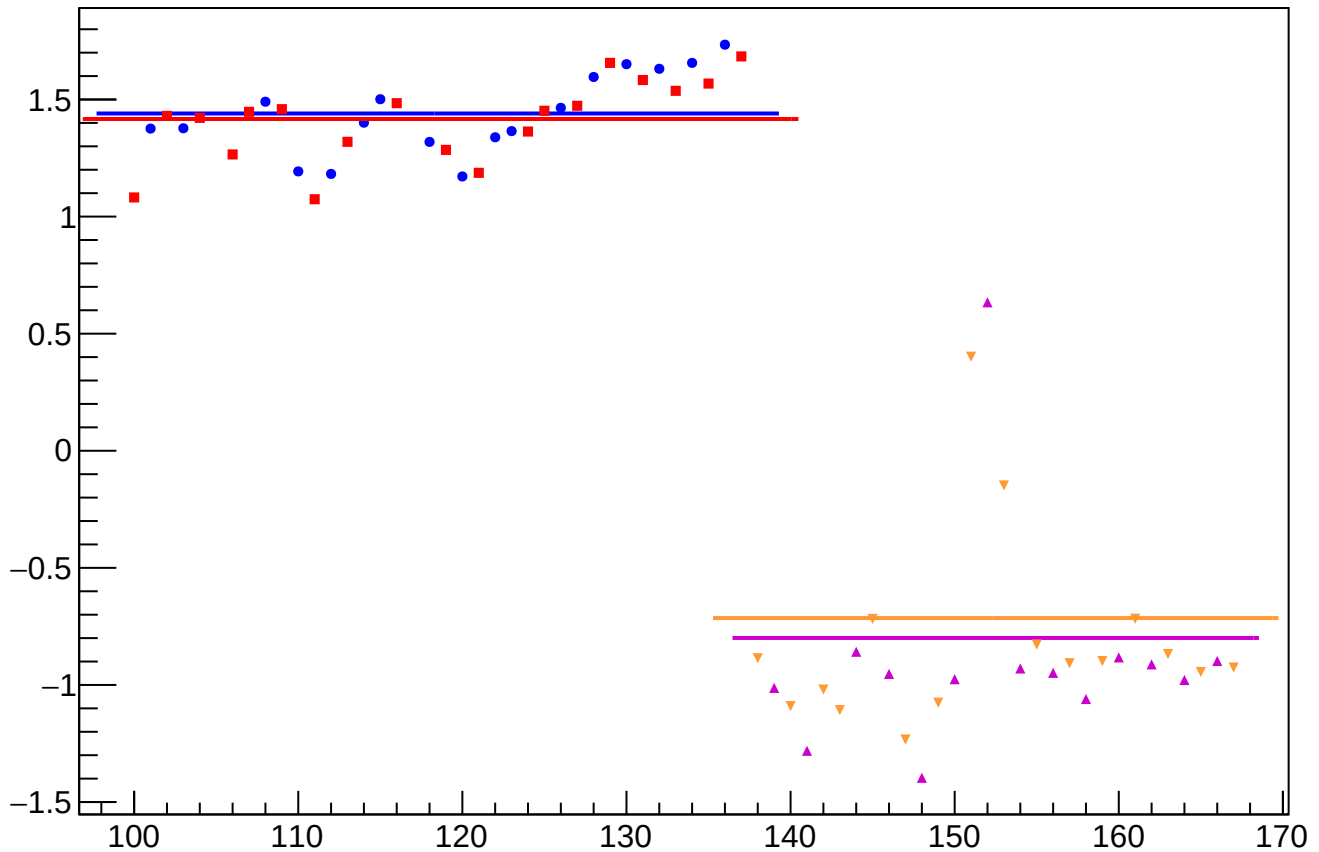
Left In: 0.011+/-0.000 χ^2/NDF : 1101040.7/13

+ sign 0.011+/-0.000 χ^2/NDF : 1228467.0/32

All: 0.011+/-0.000 χ^2/NDF : 2524404.0/65

- sign 0.011+/-0.000 χ^2/NDF : 1295329.0/32

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

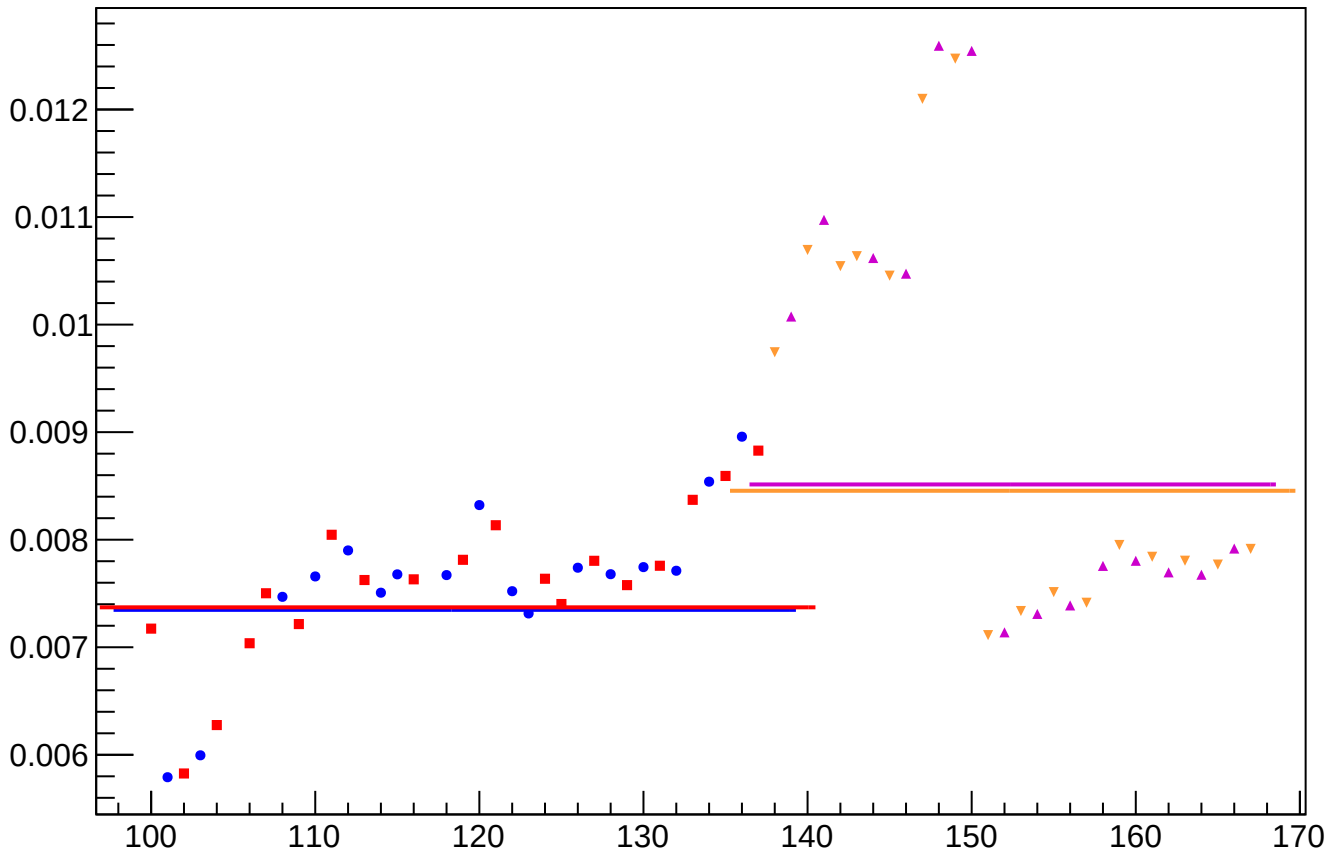
Left In: -0.799 $\pm$ 0.000 χ^2 /NDF: 39580697096.6/13

+ sign 0.218 $\pm$ 0.000 χ^2 /NDF: 355711775176.6/32

All: 0.234 $\pm$ 0.000 χ^2 /NDF: 731918170298.5

- sign 0.250 $\pm$ 0.000 χ^2 /NDF: 376065364641.6/32

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

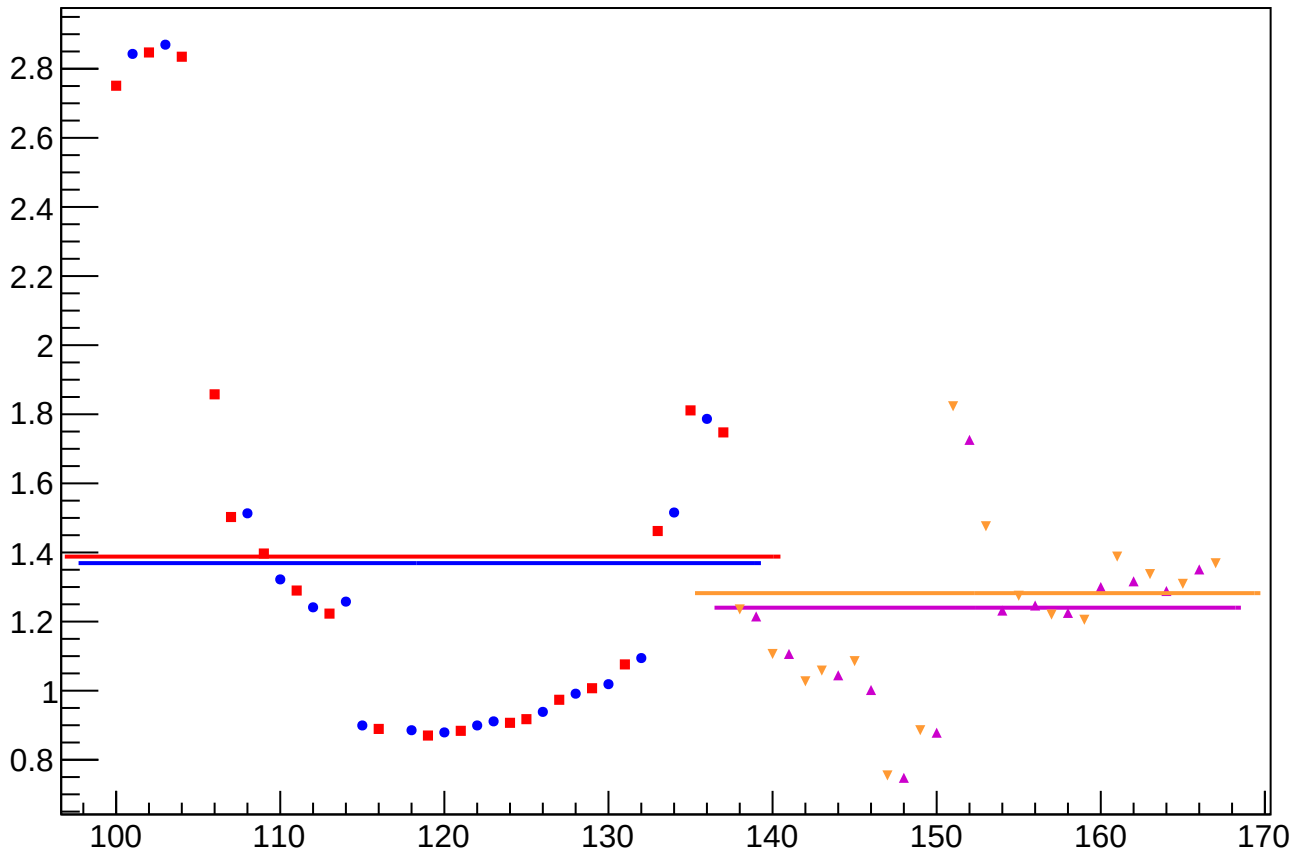
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 796571.5/13

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1136741.5/32

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2283491.7/65

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1146747.7/32

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

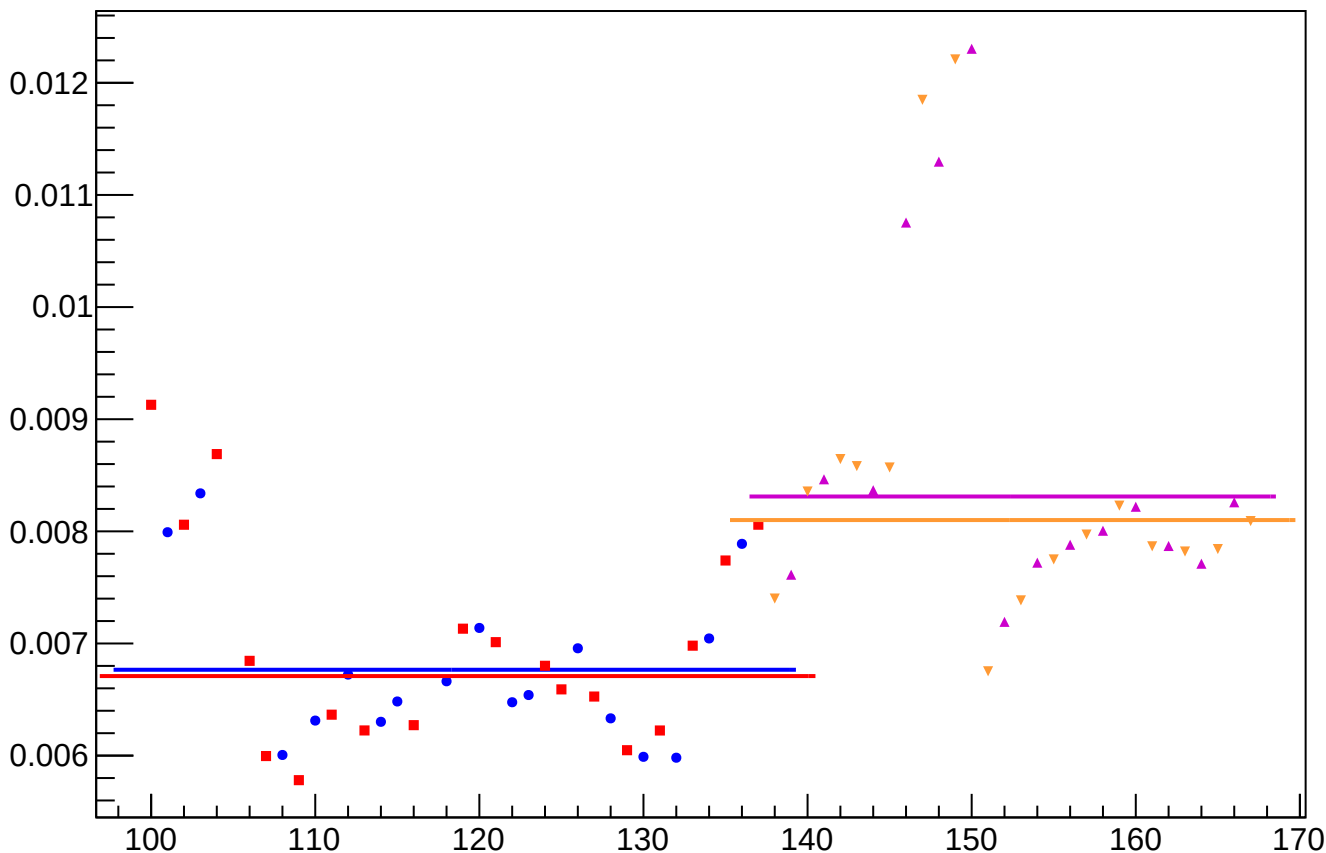
Left In: 1.240 ± 0.000 χ^2/NDF : 7140181559.1/13

+ sign 1.322 ± 0.000 χ^2/NDF : 63912822291.8/32

All: 1.319 ± 0.000 χ^2/NDF : 122626649492.0

- sign 1.316 ± 0.000 χ^2/NDF : 58707334295.9/32

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

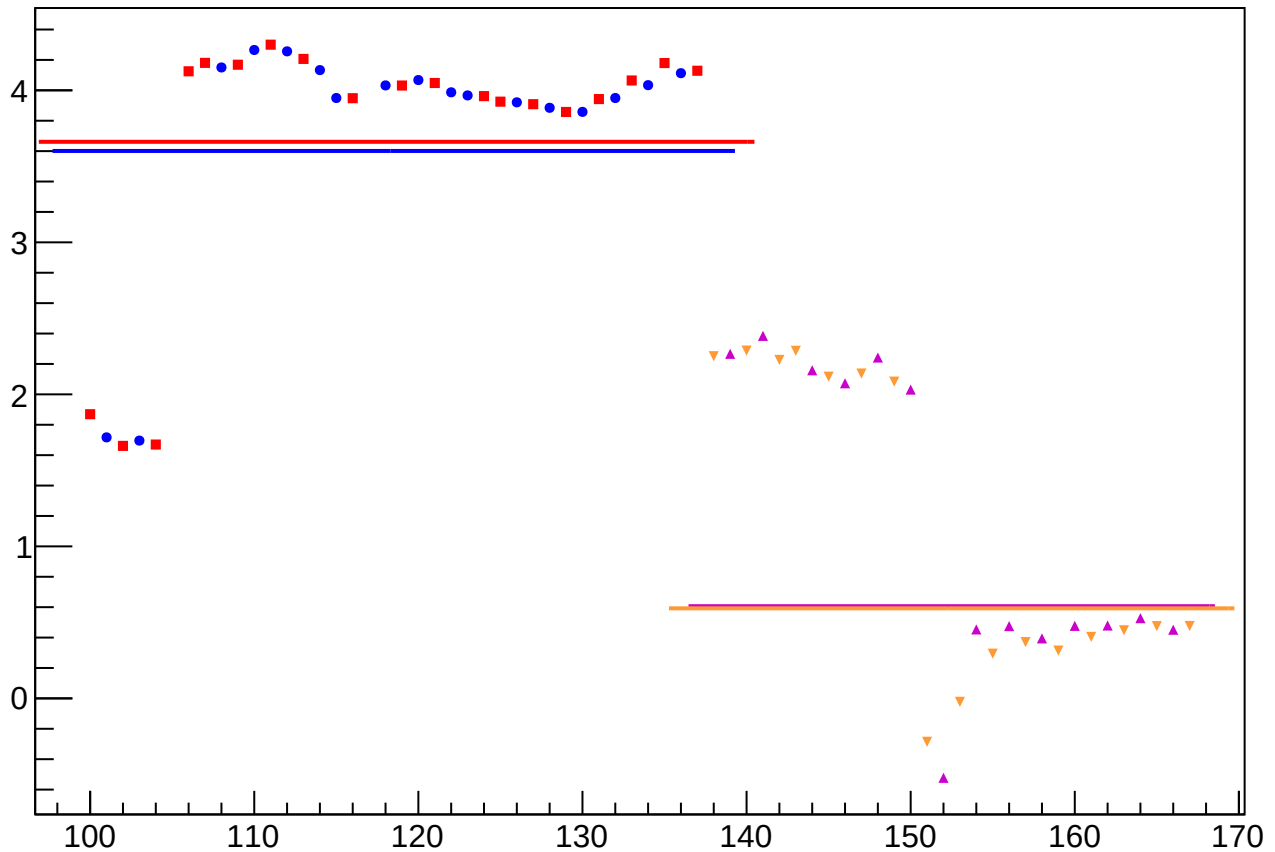
Left In: 0.008+/-0.000 χ^2/NDF : 427934.7/13

+ sign 0.007+/-0.000 χ^2/NDF : 850284.9/32

All: 0.007+/-0.000 χ^2/NDF : 1857126.5/65

- sign 0.007+/-0.000 χ^2/NDF : 1006836.4/32

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

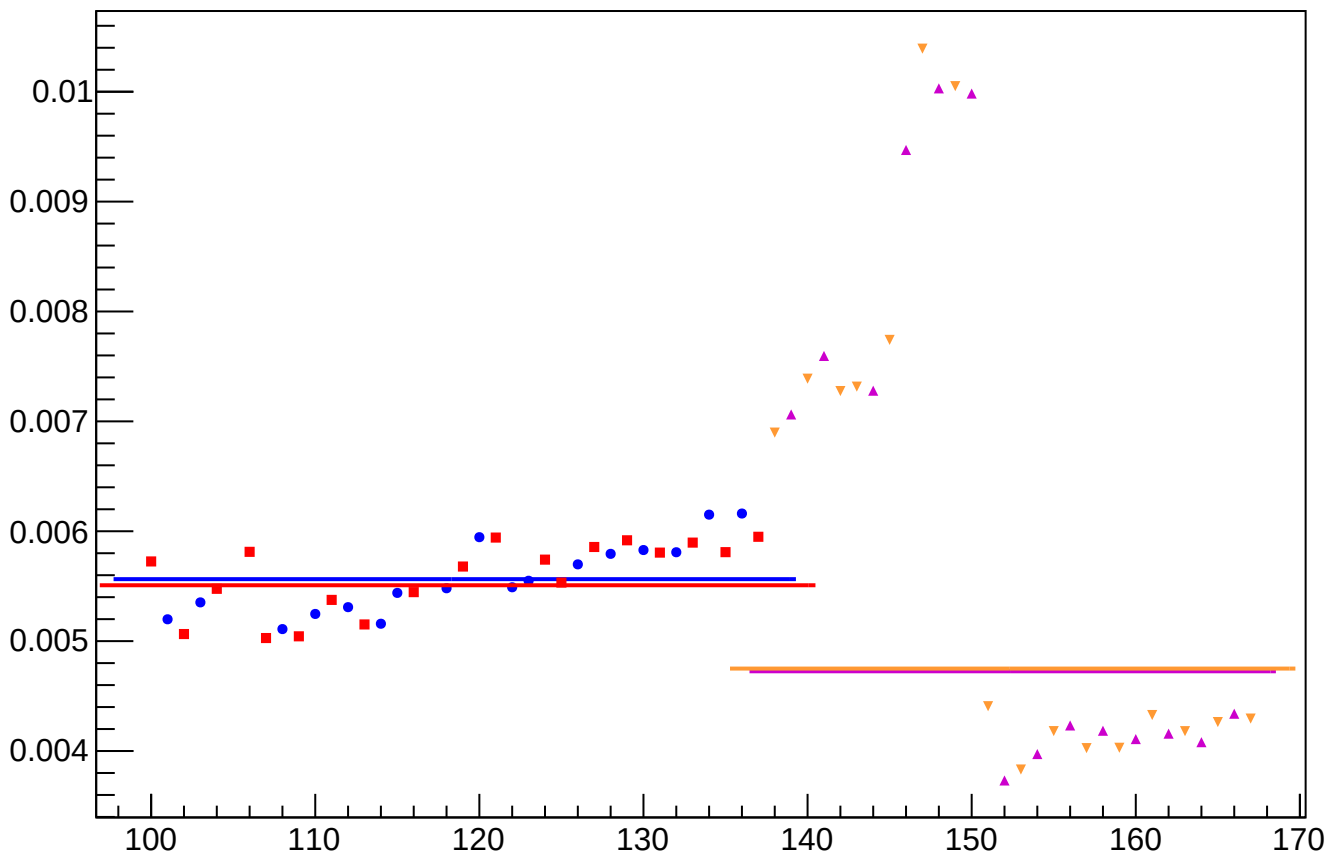
Left In: 0.606+/-0.000 χ^2/NDF : 252855277077.2/13

+ sign 1.556+/-0.000 χ^2/NDF : 1771108407000.3/32

All: 1.620+/-0.000 χ^2/NDF : 3605102593372.0

- sign 1.687+/-0.000 χ^2/NDF : 1828388413564.0/32

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

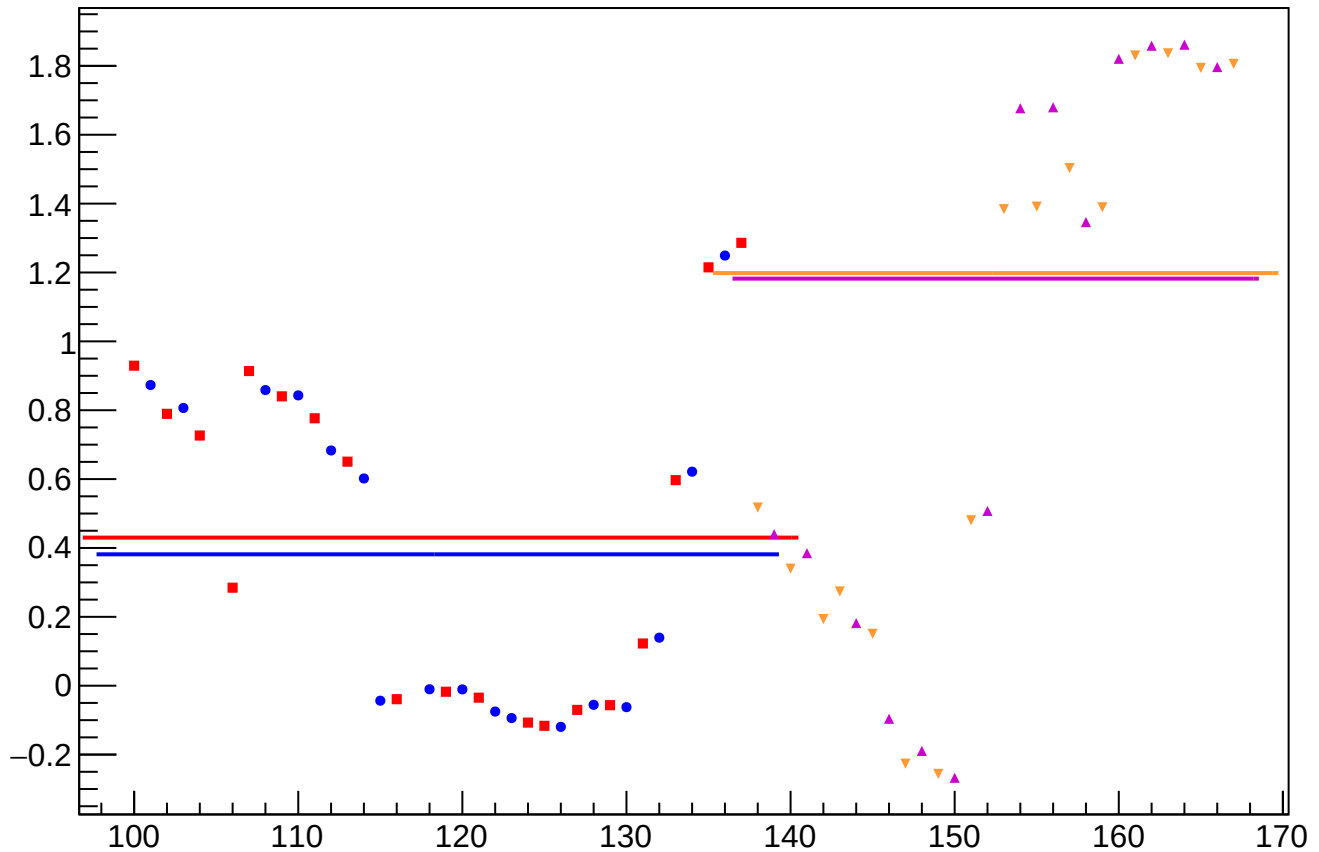
Left In: 0.005+/-0.000 χ^2/NDF :2101843.9/13

+ sign 0.005+/-0.000 χ^2/NDF : 2157333.0/32

All: 0.005+/-0.000 χ^2/NDF : 4493516.7/65

- sign 0.005+/-0.000 χ^2/NDF : 2336135.2/32

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 1.198+/-0.000 χ^2/NDF : 37969663963.4/15

Right Out: 0.430+/-0.000 χ^2/NDF : 6676199135.9/18

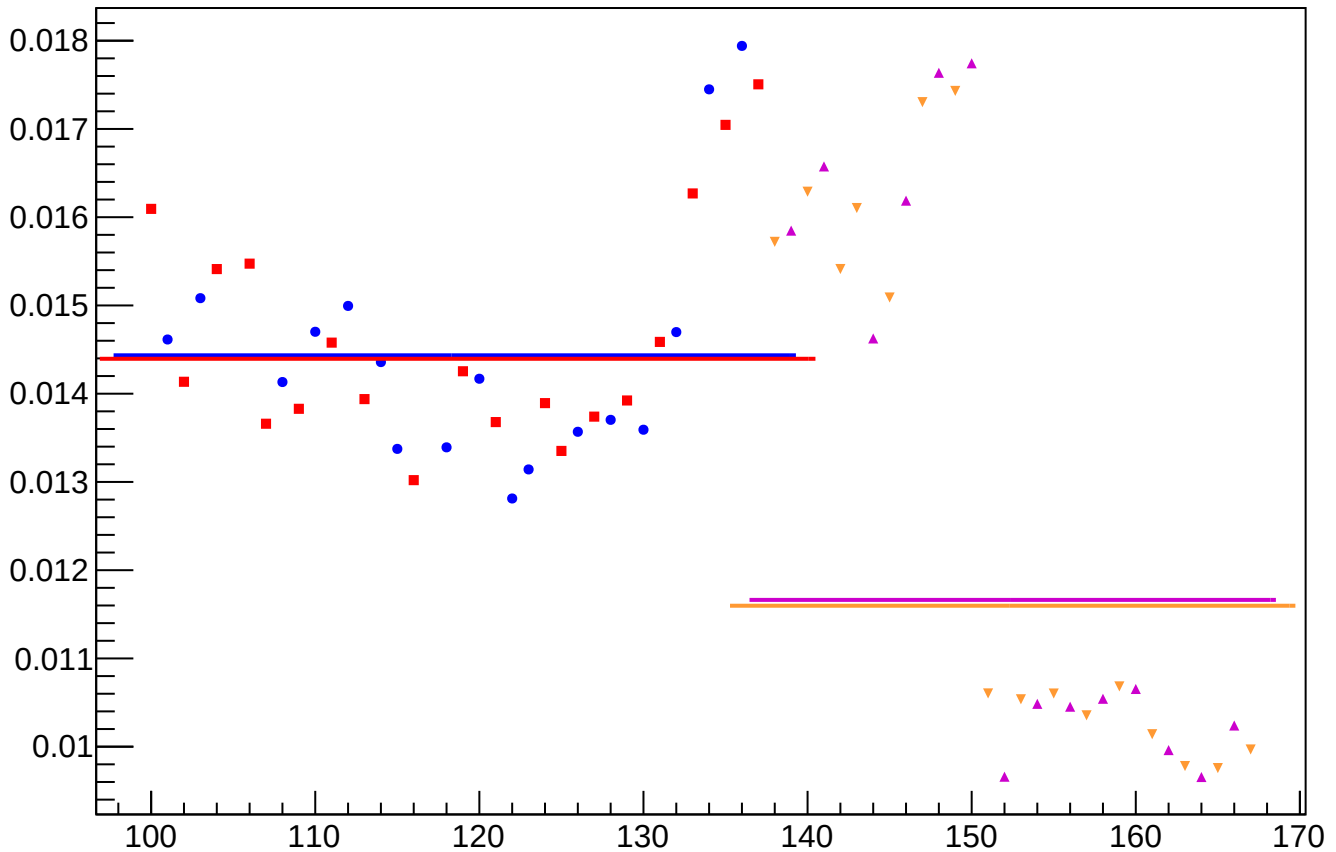
Left In: 1.182+/-0.000 χ^2/NDF : 41829327658.4/13

+ sign 0.972+/-0.000 χ^2/NDF : 60433149489.7/32

All: 0.961+/-0.000 χ^2/NDF : 122062332374.6

- sign 0.950+/-0.000 χ^2/NDF : 61600828023.1/32

yield_bpm1i06X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 110224.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:1053668.8/15

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 74531.6/18

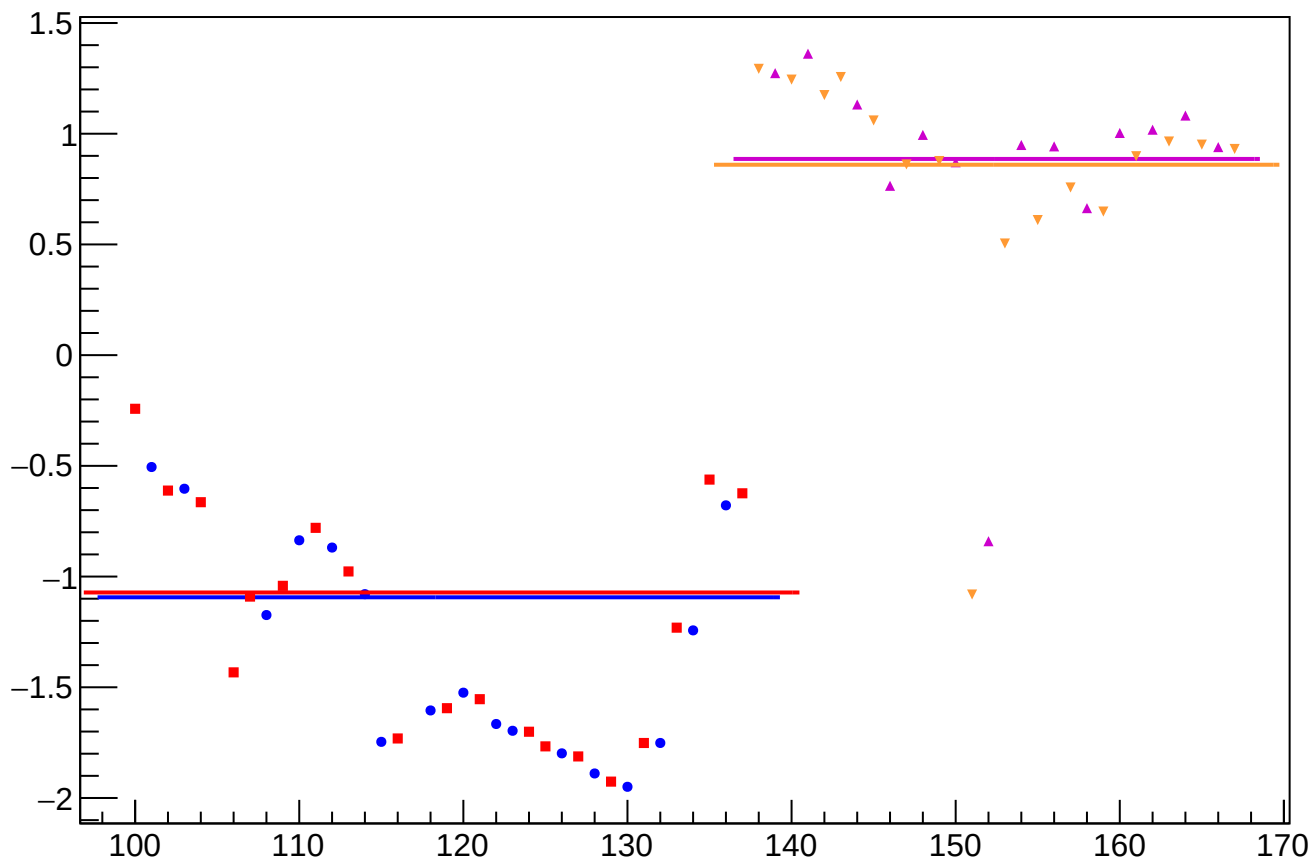
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1078502.1/13

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1534155.6/32

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3034623.4/65

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1498724.8/32

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

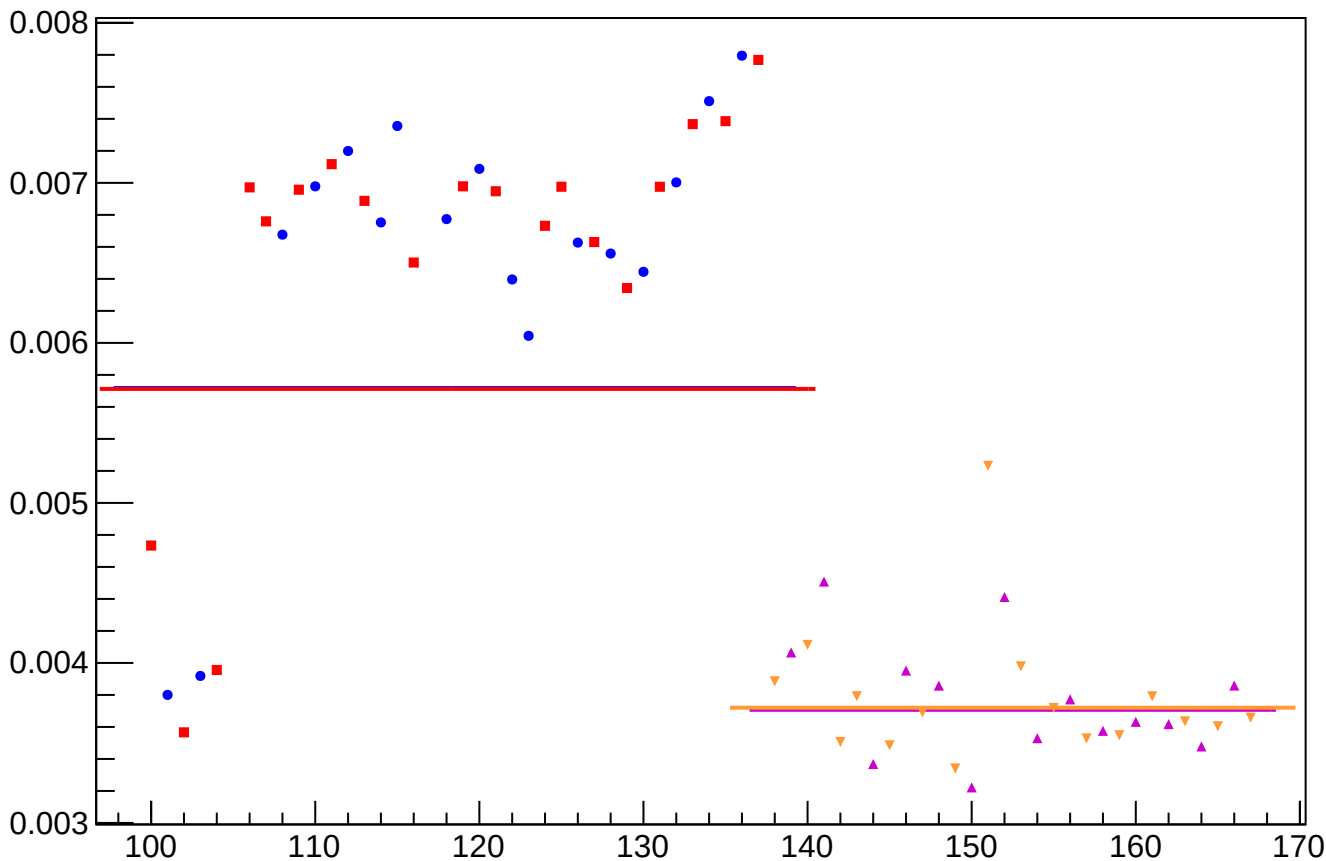
Left In: 0.886 ± 0.000 χ^2/NDF : 145707413233.9/13

+ sign 0.486 ± 0.000 χ^2/NDF : 741273230892.3/32

All: 0.479 ± 0.000 χ^2/NDF : 1505031402398.

- sign 0.472 ± 0.000 χ^2/NDF : 763675138826.0/32

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

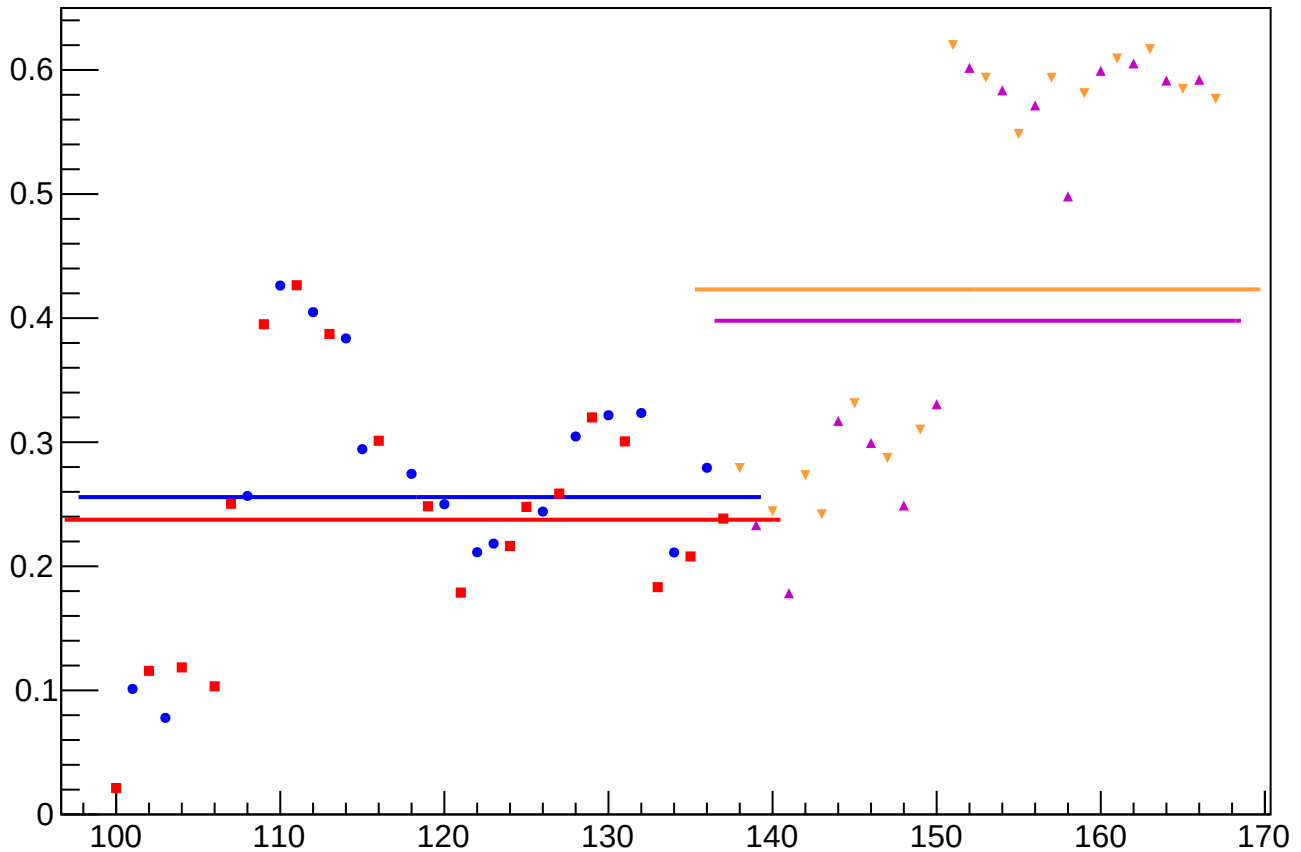
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 170411.8/13

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2170777.5/32

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4463881.8/65

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2292376.8/32

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.423+/-0.000 χ^2/NDF : 79863358294.0/15

Right Out: 0.238+/-0.000 χ^2/NDF : 26057284646.9/18

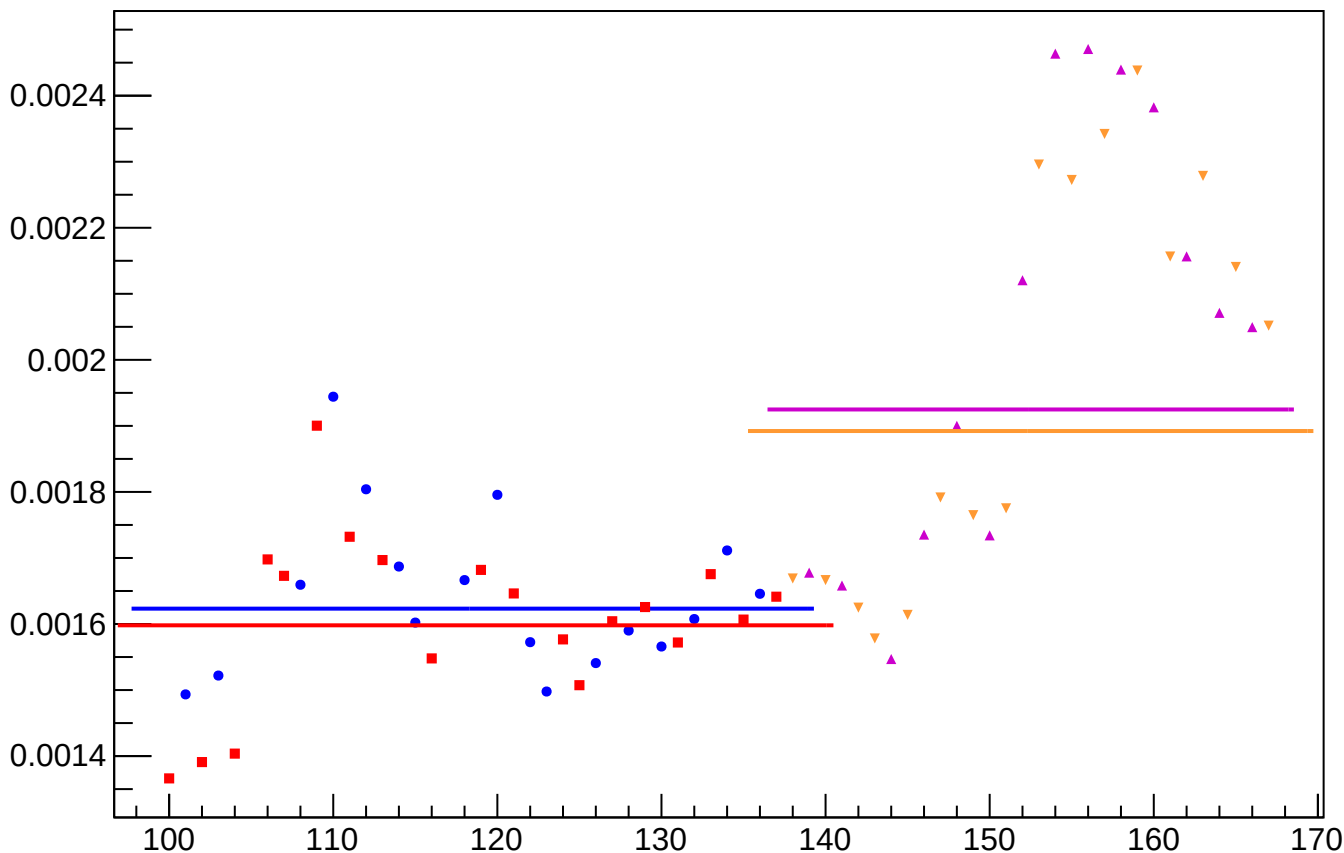
Left In: 0.398+/-0.000 χ^2/NDF : 71964795371.6/13

+ sign 0.351+/-0.000 χ^2/NDF : 140122117358.3/32

All: 0.335+/-0.000 χ^2/NDF : 276493622710.2

- sign 0.319+/-0.000 χ^2/NDF : 133509222885.7/32

yield_bpm2i01X_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 52468.7/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:518088.9/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 90678.4/18

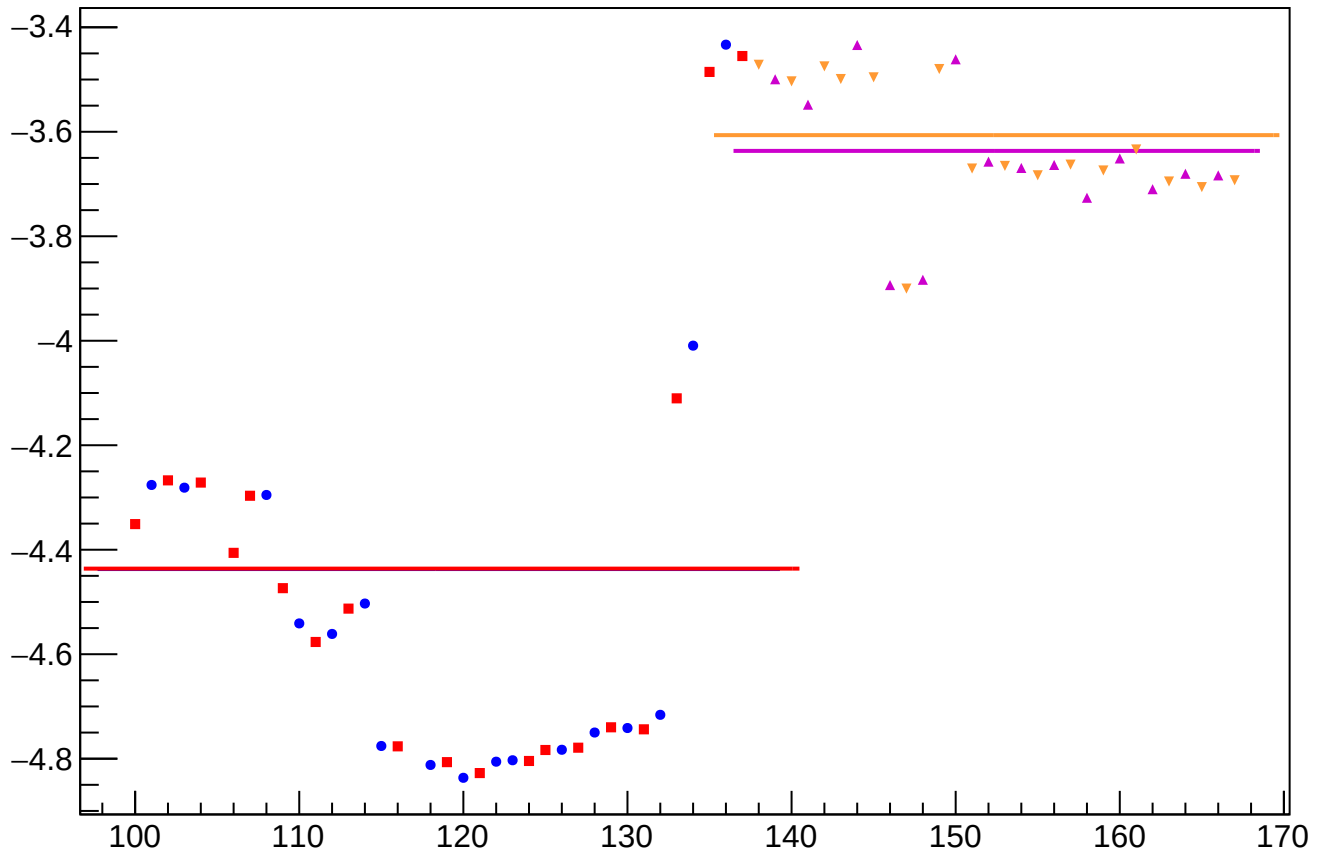
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:539343.9/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 771394.0/32

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 1697088.6/65

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 924845.0/32

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2 /NDF: 392812415429.0/16

Left Out: -3.606+/-0.000 χ^2 /NDF:33927412860.7/15

Right Out: -4.436+/-0.000 χ^2 /NDF: 325183860699.4/18

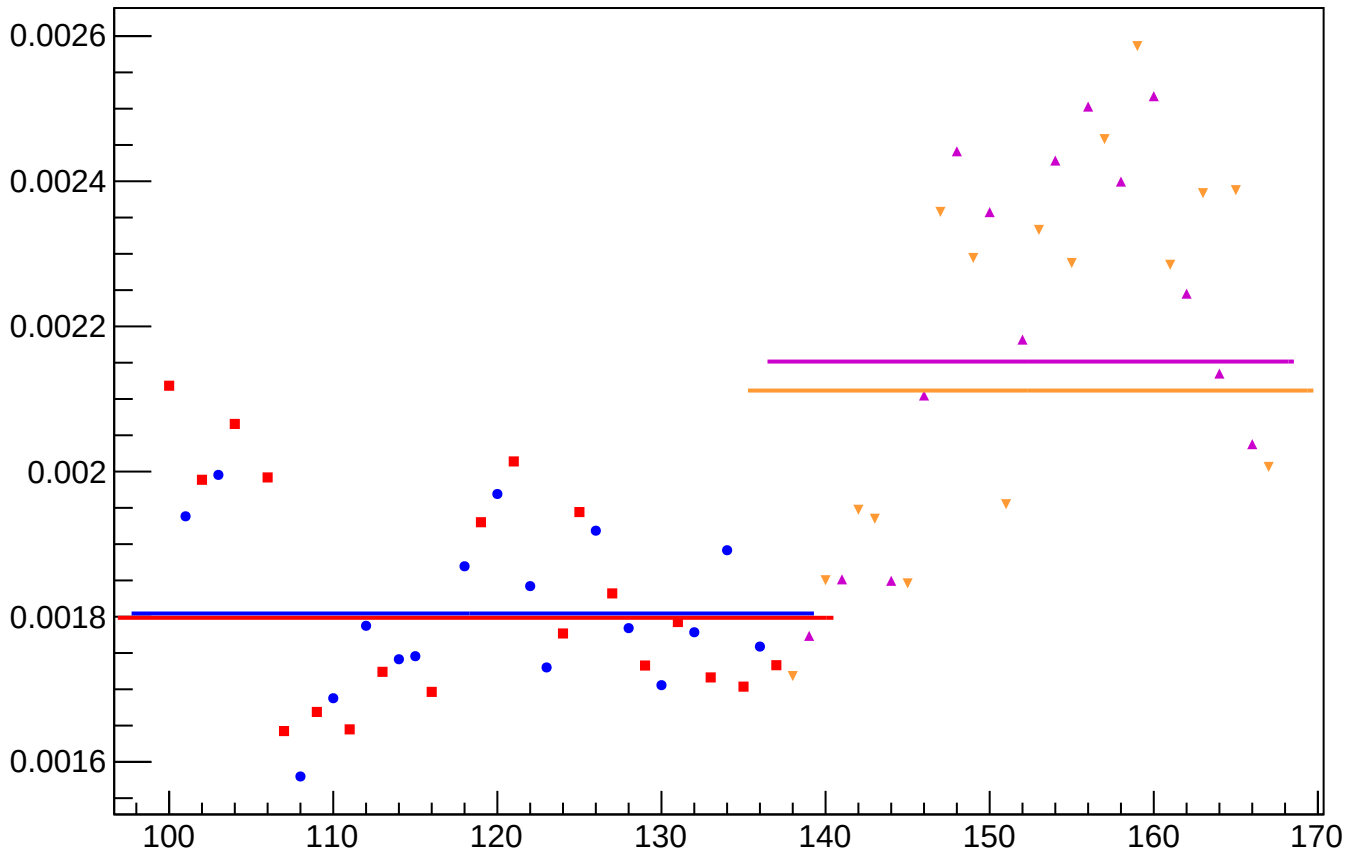
Left In: -3.637+/-0.000 χ^2 /NDF:43006985416.2/13

+ sign -3.971+/-0.000 χ^2 /NDF: 1200573058599.7/3

All: -3.997+/-0.000 χ^2 /NDF: 2275676891400

- sign -4.024+/-0.000 χ^2 /NDF: 1068845546190.8/32

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

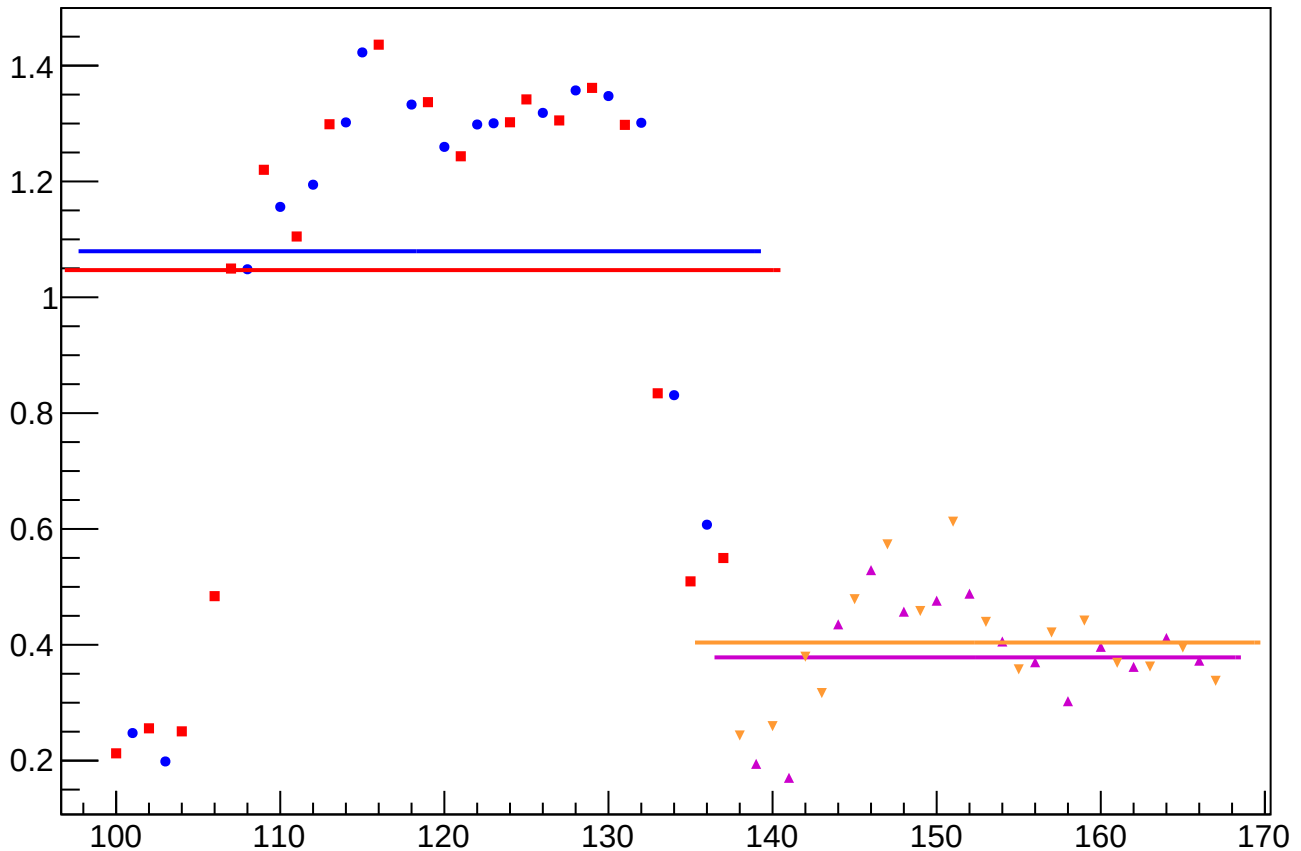
Left In: 0.002+/-0.000 χ^2/NDF : 293223.8/13

+ sign 0.002+/-0.000 χ^2/NDF : 603536.0/32

All: 0.002+/-0.000 χ^2/NDF : 1251034.0/65

- sign 0.002+/-0.000 χ^2/NDF : 647434.0/32

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

Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

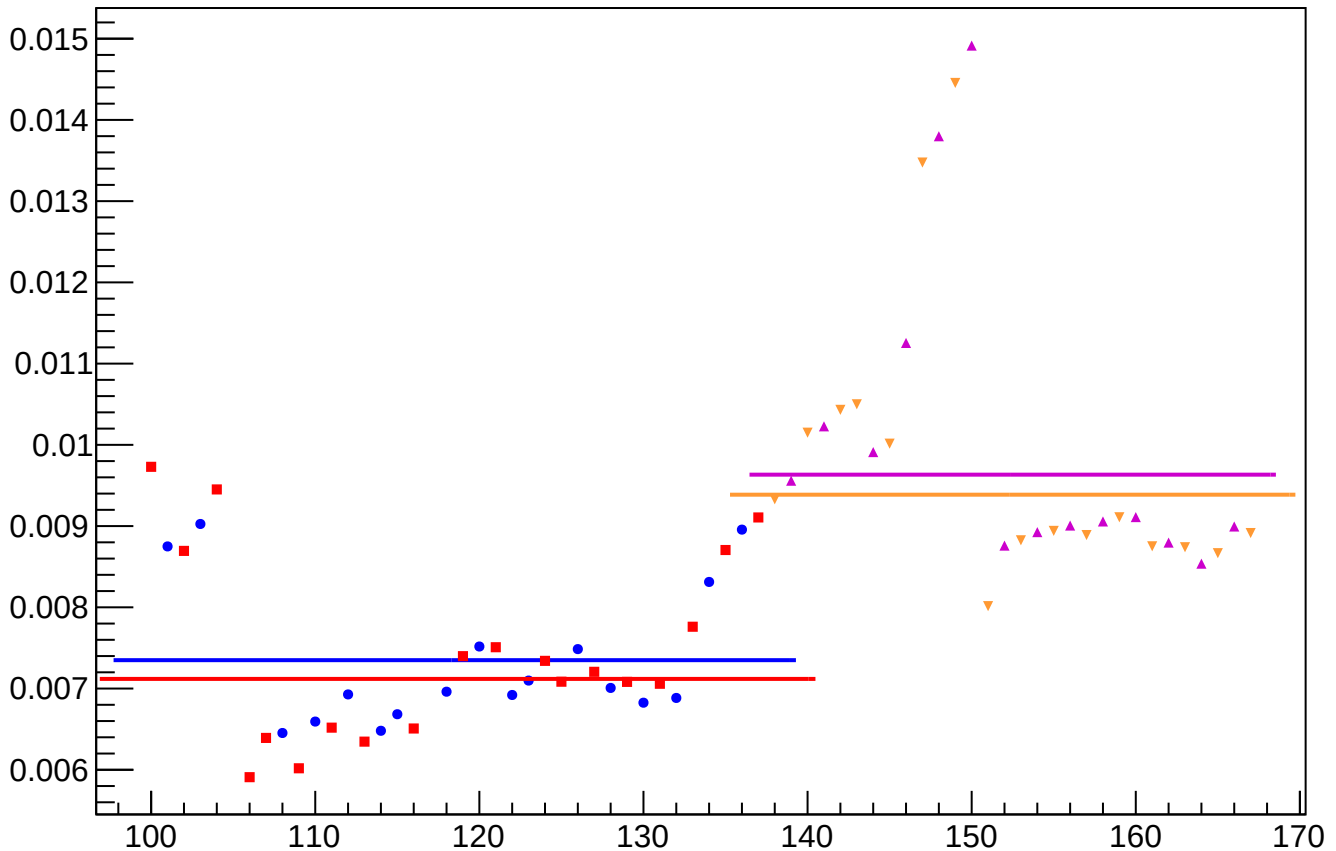
Left In: 0.378 $\pm$ 0.000 χ^2 /NDF:1044926879.2/13

+ sign 0.730 $\pm$ 0.000 χ^2 /NDF: 47700734296.2/32

All: 0.737 $\pm$ 0.000 χ^2 /NDF: 96287552513.6/6

- sign 0.745 $\pm$ 0.000 χ^2 /NDF: 48558953451.1/32

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

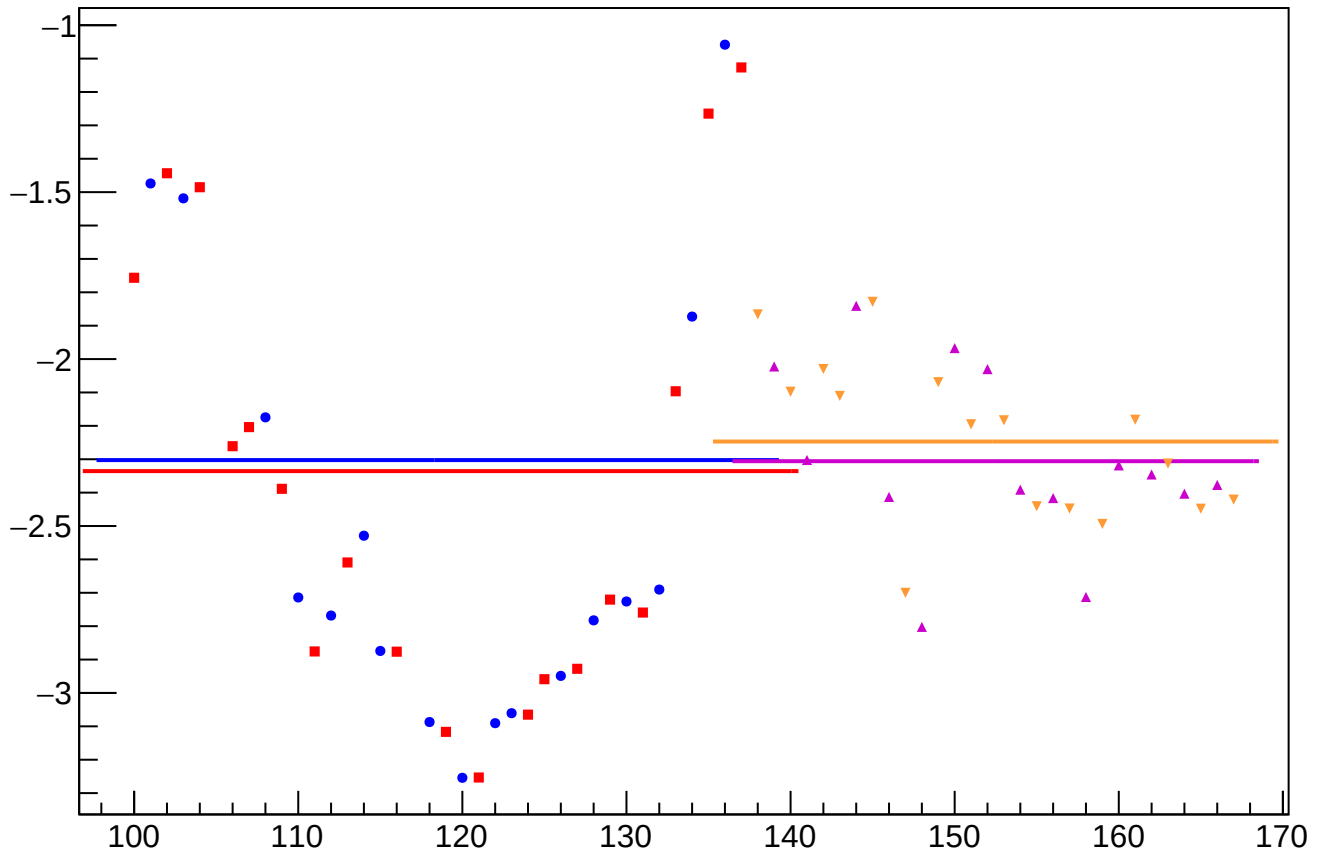
Left In: 0.010+/-0.000 χ^2/NDF : 487253.9/13

+ sign 0.008+/-0.000 χ^2/NDF : 1176602.7/32

All: 0.008+/-0.000 χ^2/NDF : 2715560.0/65

- sign 0.008+/-0.000 χ^2/NDF : 1533392.0/32

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

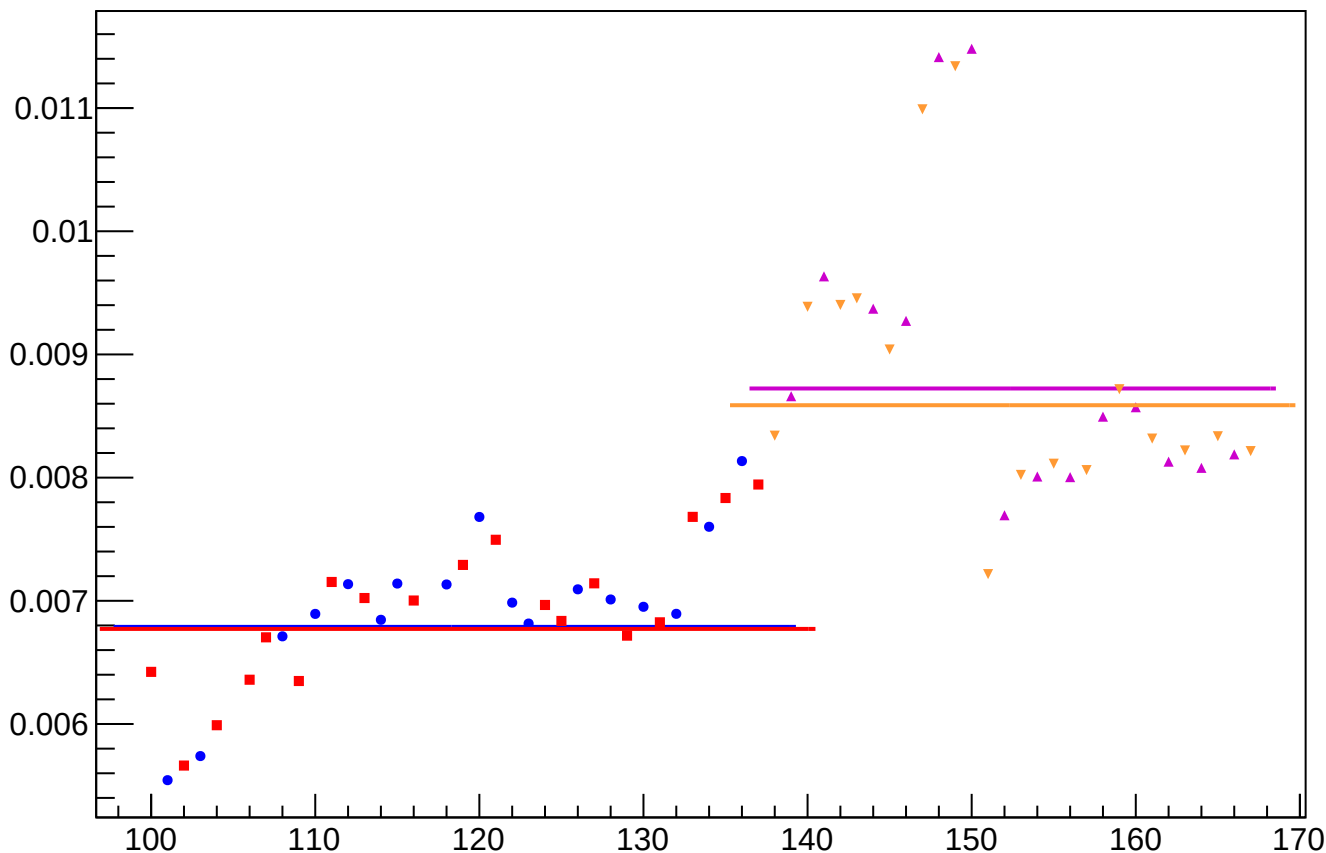
Left In: -2.306+/-0.000 χ^2/NDF : 8552638812.5/13

+ sign -2.273+/-0.000 χ^2/NDF : 81727588176.6/32

All: -2.297+/-0.000 χ^2/NDF : 155187429946.9

- sign -2.321+/-0.000 χ^2/NDF : 73116701295.4/32

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 289645.3/15

Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

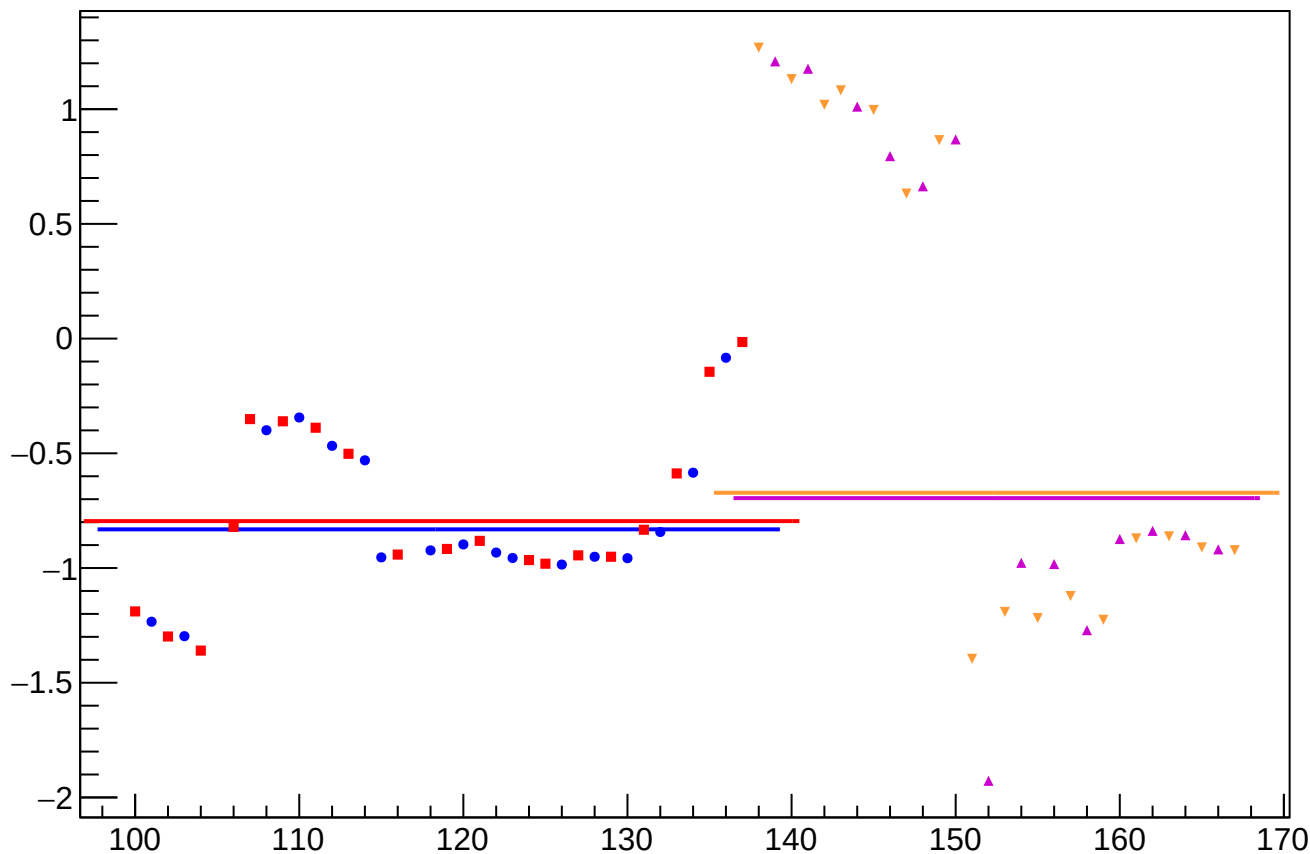
Left In: 0.009+/-0.000 χ^2/NDF : 295225.5/13

+ sign 0.008+/-0.000 χ^2/NDF : 943615.2/32

All: 0.008+/-0.000 χ^2/NDF : 1921450.5/65

- sign 0.008+/-0.000 χ^2/NDF : 977594.2/32

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

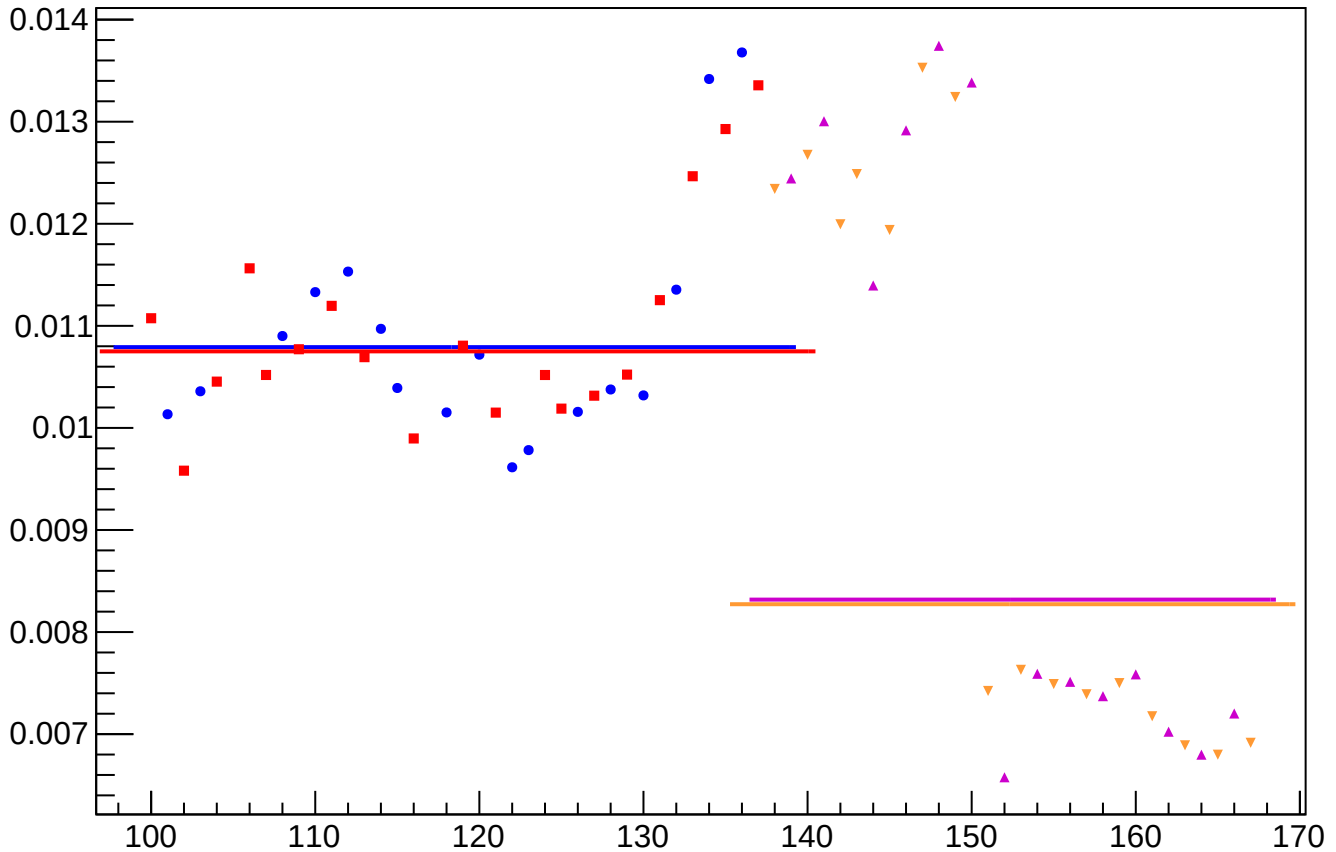
Left In: -0.695 ± 0.000 χ^2/NDF : 118580154410.1/13

+ sign -0.714 ± 0.000 χ^2/NDF : 119862860614.1/32

All: -0.719 ± 0.000 χ^2/NDF : 246699662016.4

- sign -0.725 ± 0.000 χ^2/NDF : 126824023687.1/32

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.008+/-0.000 χ^2/NDF : 1462934.5/15

Right Out: 0.011+/-0.000 χ^2/NDF : 90220.8/18

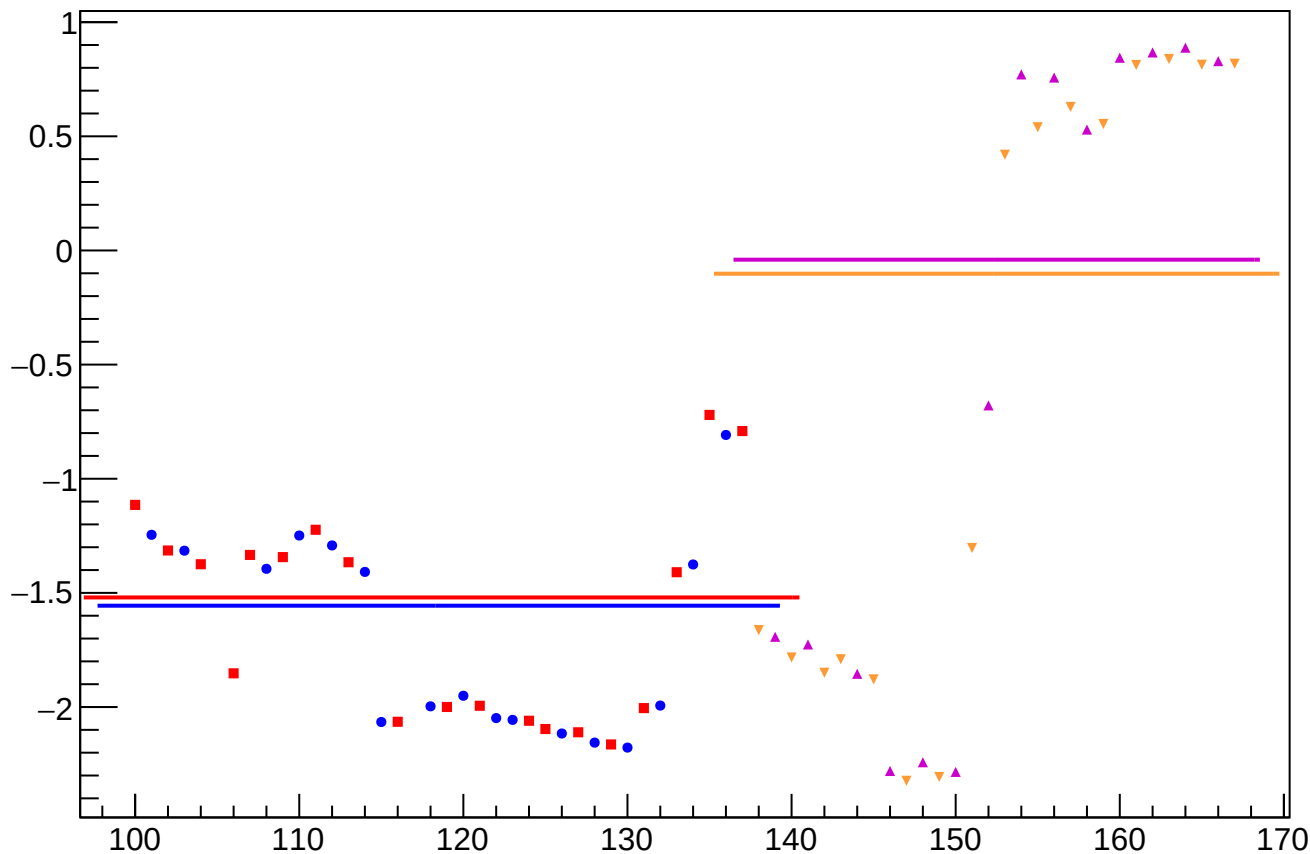
Left In: 0.008+/-0.000 χ^2/NDF : 1490954.3/13

+ sign 0.009+/-0.000 χ^2/NDF : 2117031.6/32

All: 0.009+/-0.000 χ^2/NDF : 4198307.2/65

- sign 0.009+/-0.000 χ^2/NDF : 2079117.5/32

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

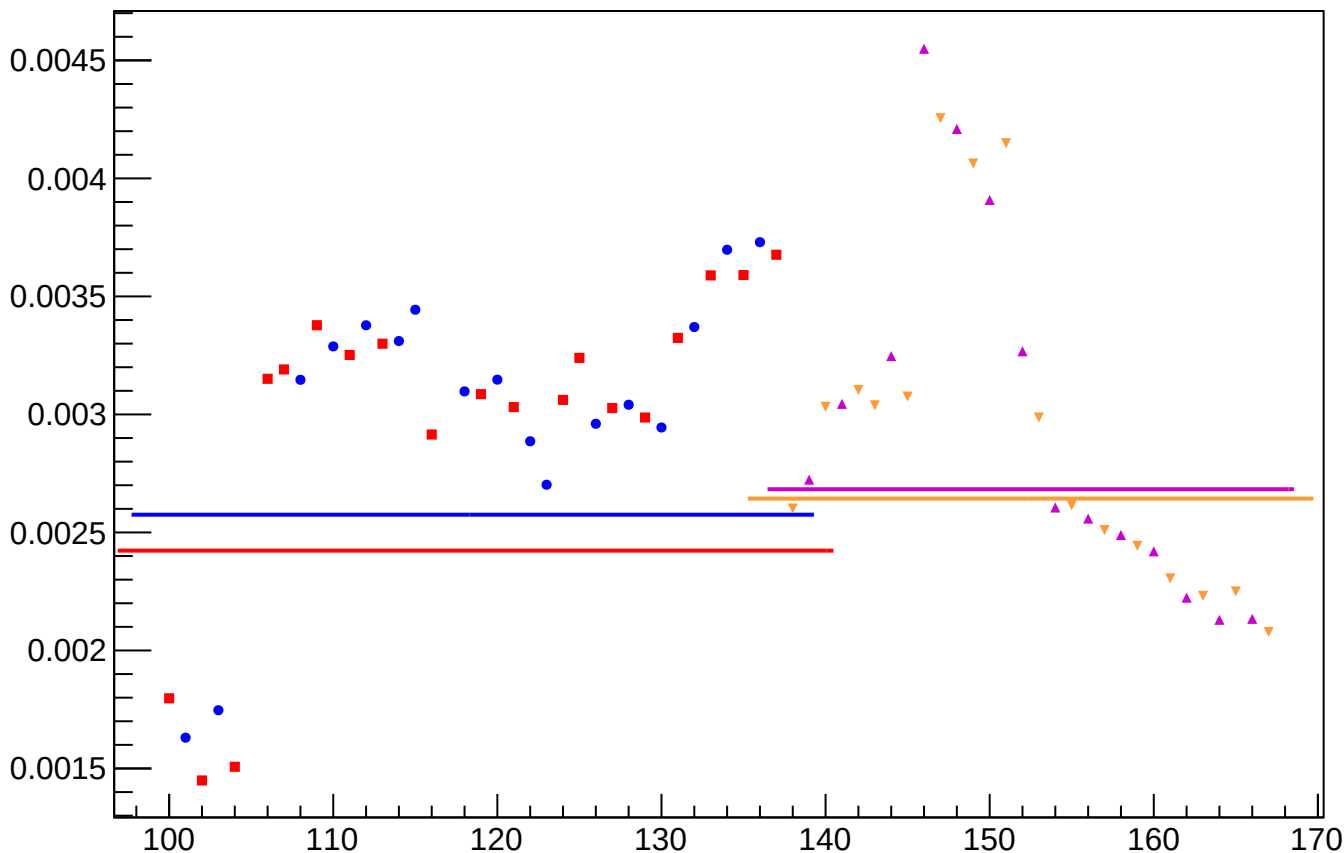
Left In: -0.040 ± 0.000 χ^2/NDF : 1874634787867.3/13

+ sign -0.639 ± 0.000 χ^2/NDF : 3345779058073.6/3

All: -0.658 ± 0.000 χ^2/NDF : 6565617125881

- sign -0.677 ± 0.000 χ^2/NDF : 3218243586402.3/3

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

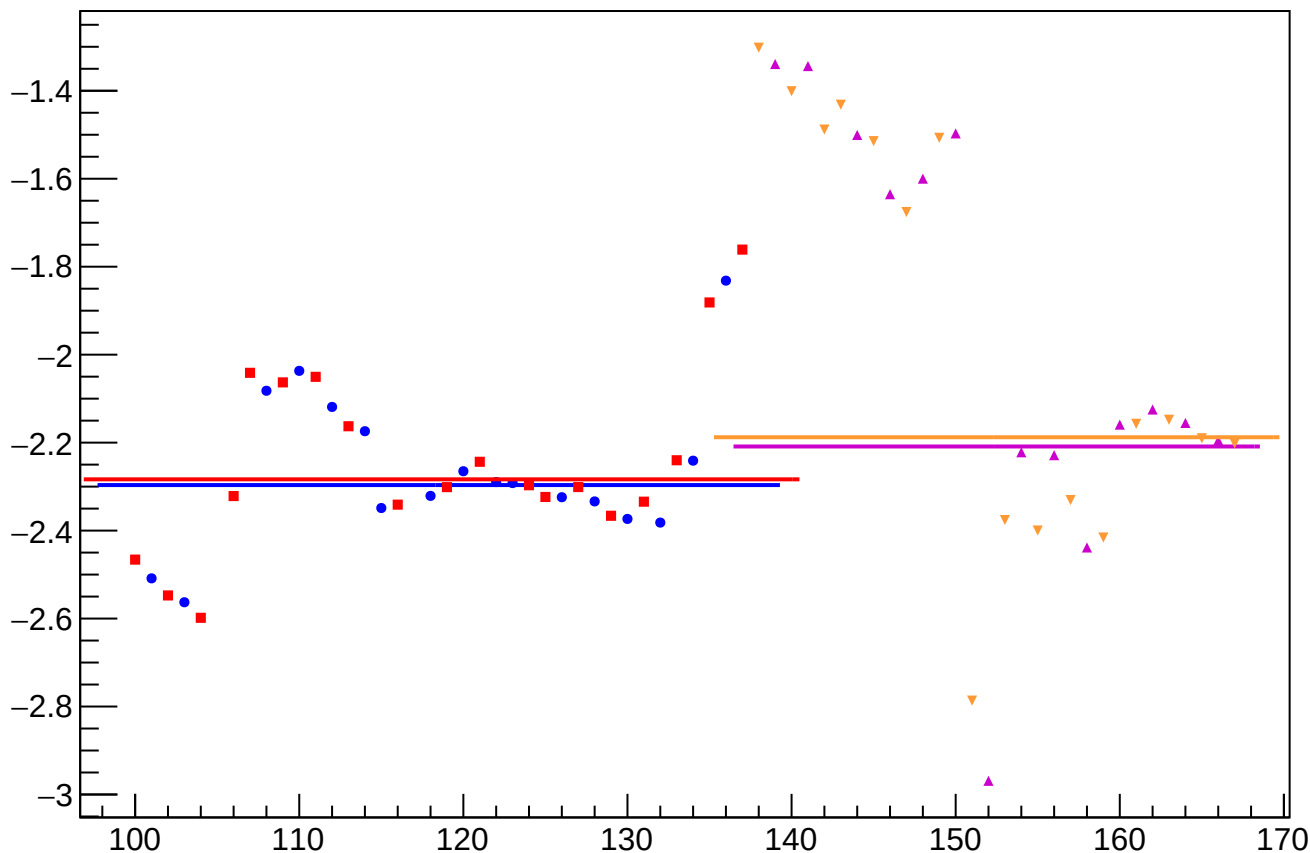
Left In: 0.003+/-0.000 χ^2/NDF :824914.5/13

+ sign 0.003+/-0.000 χ^2/NDF : 1833946.8/32

All: 0.003+/-0.000 χ^2/NDF : 4228551.5/65

- sign 0.003+/-0.000 χ^2/NDF : 2389585.4/32

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

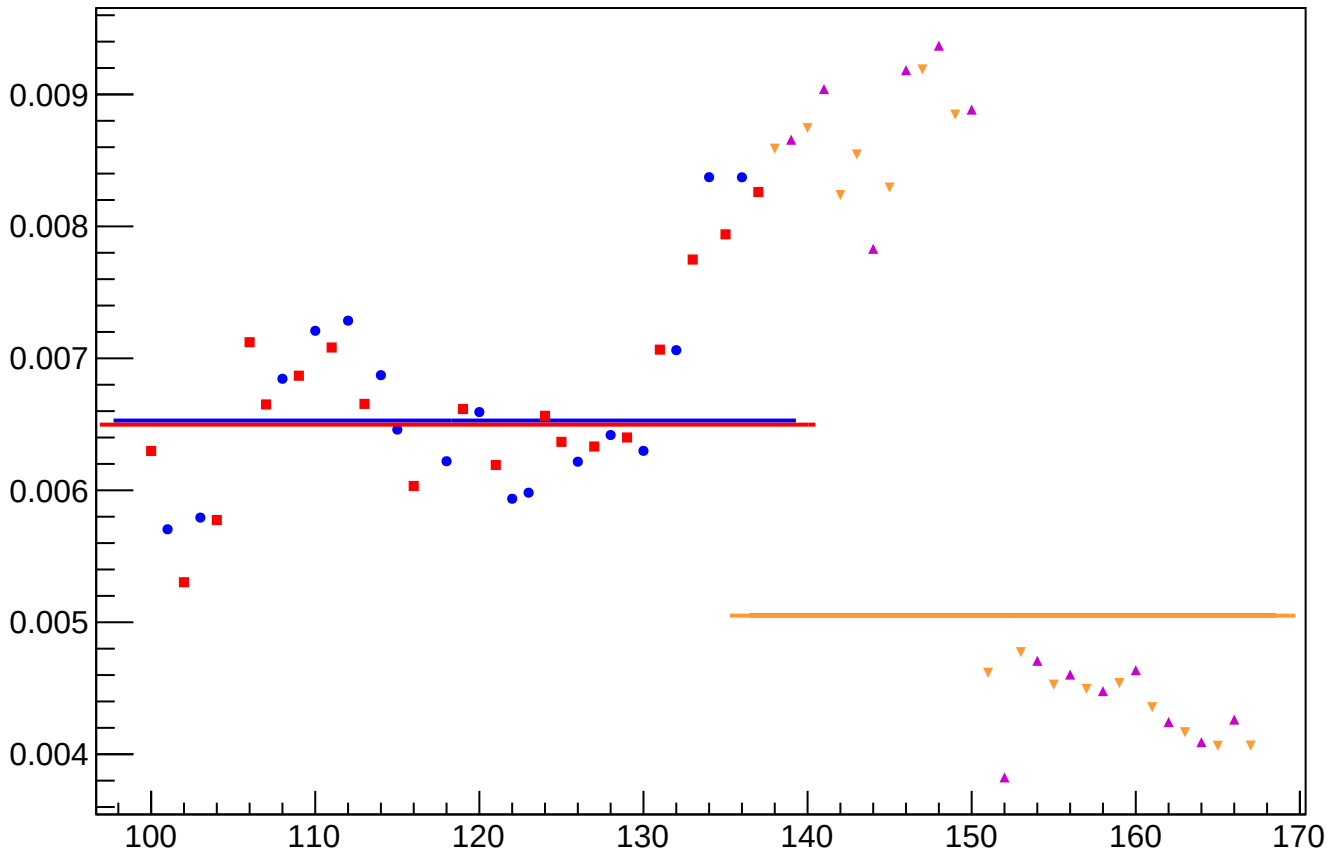
Left In: -2.209+/-0.000 χ^2/NDF : 66246605978.2/13

+ sign -2.217+/-0.000 χ^2/NDF : 58117969325.0/32

All: -2.224+/-0.000 χ^2/NDF : 131592982791.3

- sign -2.231+/-0.000 χ^2/NDF : 73419666688.5/32

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.005+/-0.000 χ^2/NDF : 2003309.4/15

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

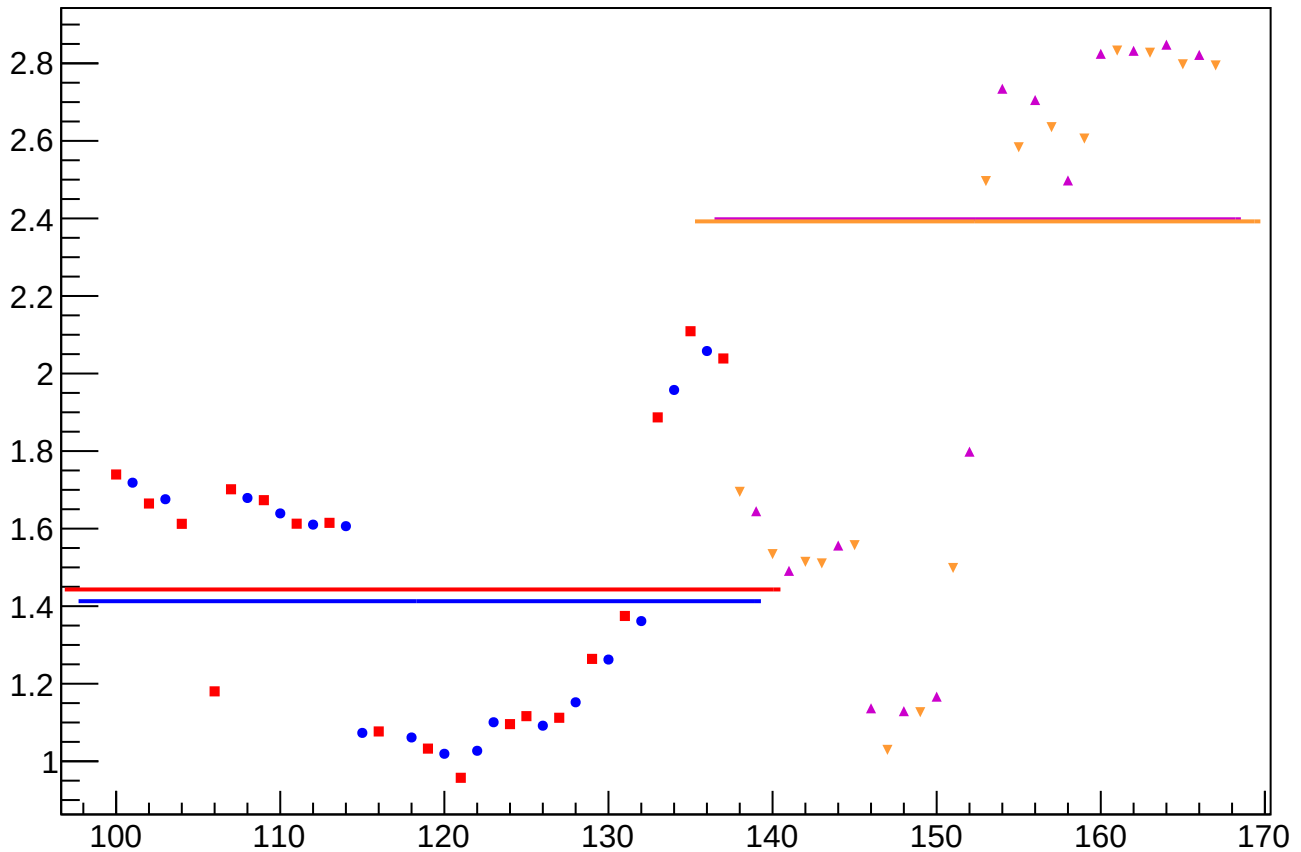
Left In: 0.005+/-0.000 χ^2/NDF : 2060736.7/13

+ sign 0.005+/-0.000 χ^2/NDF : 2663292.4/32

All: 0.005+/-0.000 χ^2/NDF : 5356920.5/65

- sign 0.005+/-0.000 χ^2/NDF : 2692750.9/32

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

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

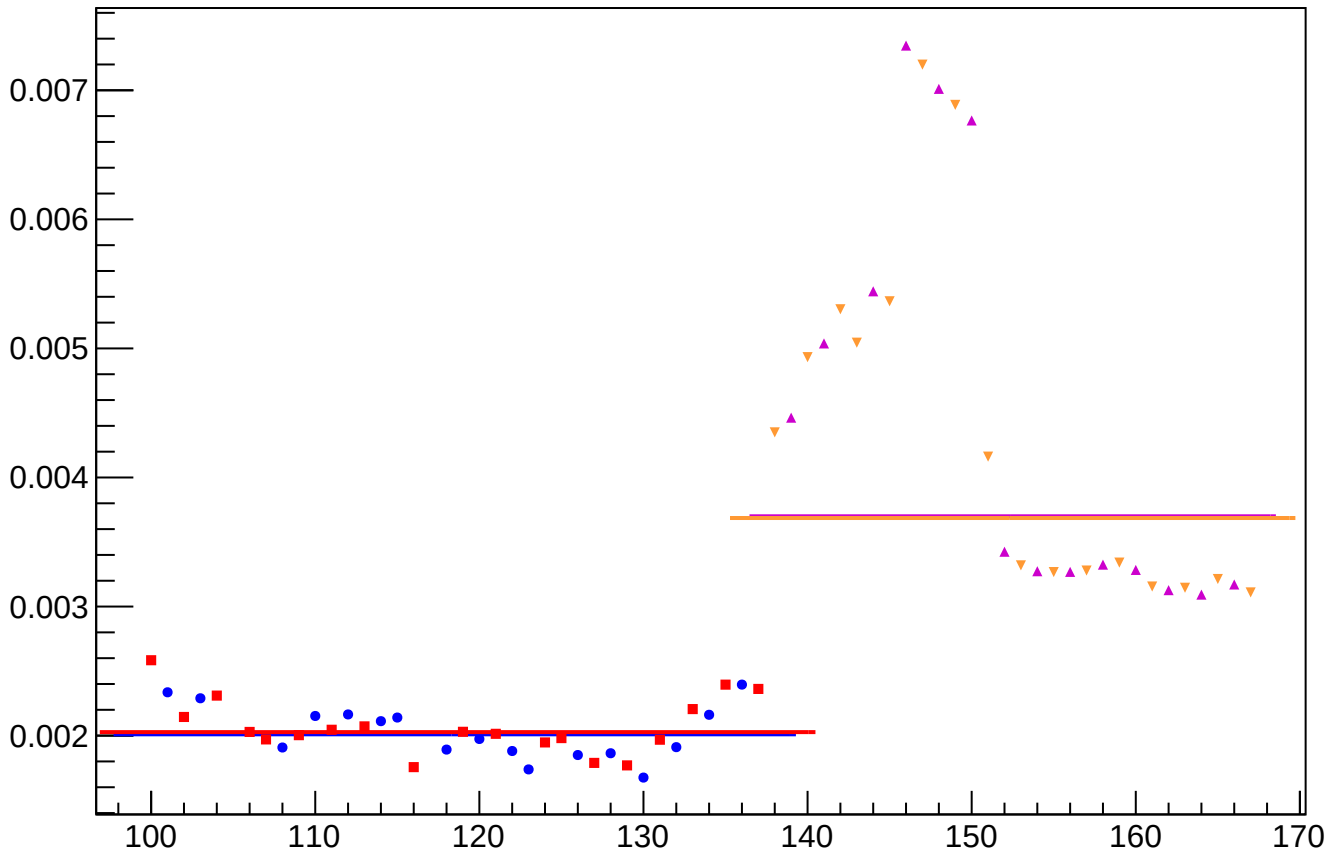
Left In: 2.398+/-0.000 χ^2/NDF : 216631243739.9/13

+ sign 1.740+/-0.000 χ^2/NDF : 884345814925.6/32

All: 1.735+/-0.000 χ^2/NDF : 1708245713101.

- sign 1.731+/-0.000 χ^2/NDF : 823815301060.9/32

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

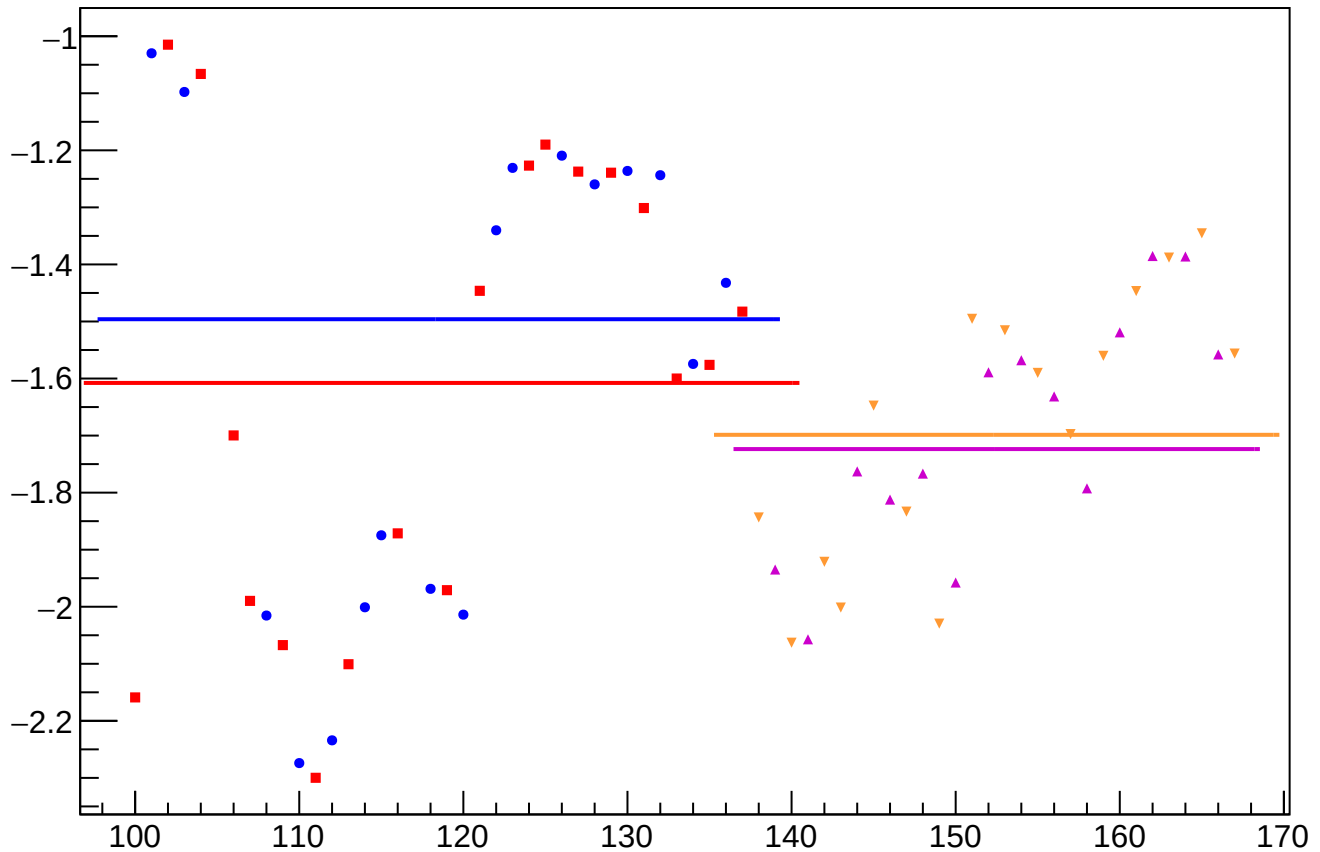
Left In: 0.004+/-0.000 χ^2/NDF :1415523.2/13

+ sign 0.003+/-0.000 χ^2/NDF : 4269189.4/32

All: 0.003+/-0.000 χ^2/NDF : 8453990.7/65

- sign 0.003+/-0.000 χ^2/NDF : 4181544.1/32

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.699+/-0.000 χ^2/NDF : 15478655668.1/15

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

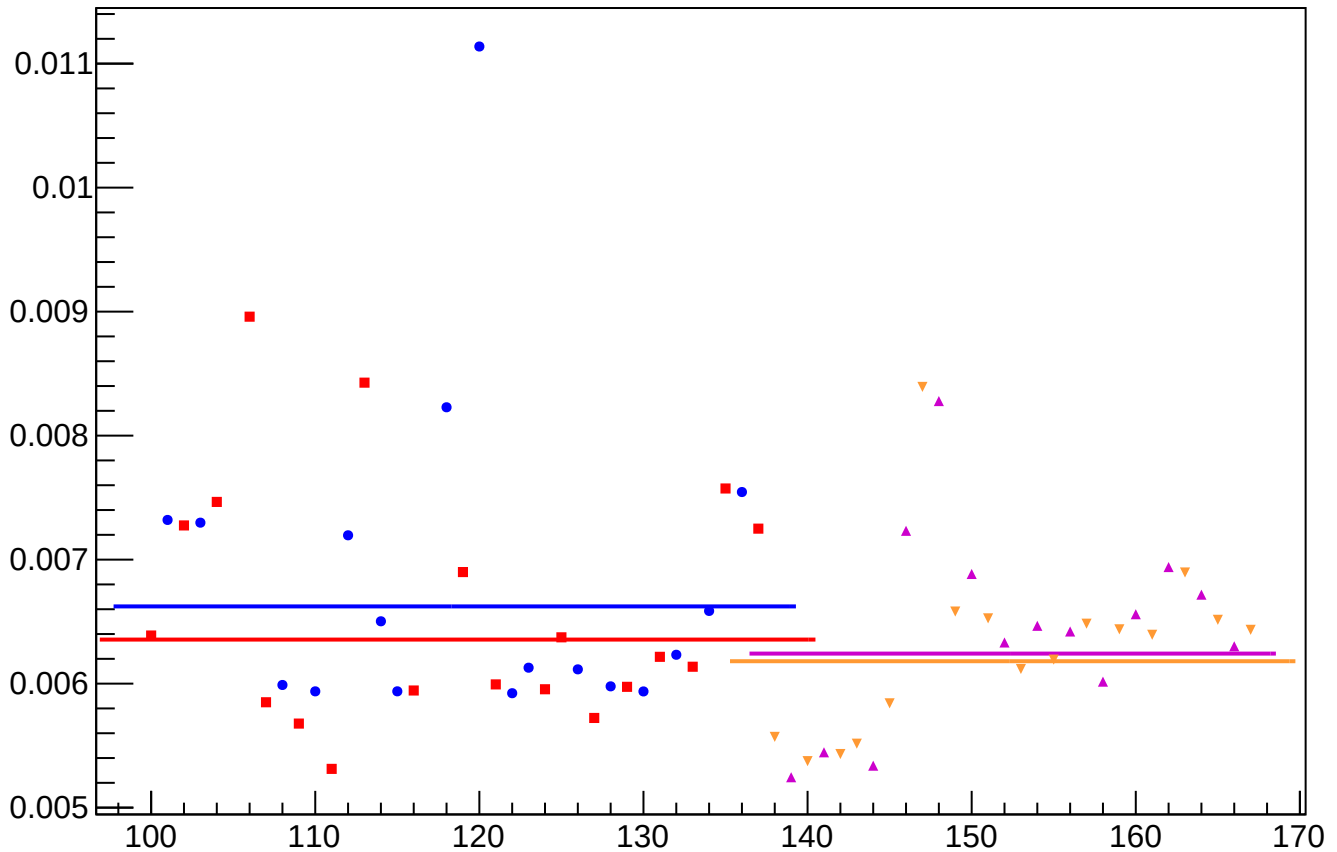
Left In: -1.724+/-0.000 χ^2/NDF : 10634784927.7/13

+ sign -1.633+/-0.000 χ^2/NDF : 41865833992.2/32

All: -1.656+/-0.000 χ^2/NDF : 82122041501.4/32

- sign -1.679+/-0.000 χ^2/NDF : 39815847992.5/32

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 232630.4/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:225876.7/15

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 227861.1/18

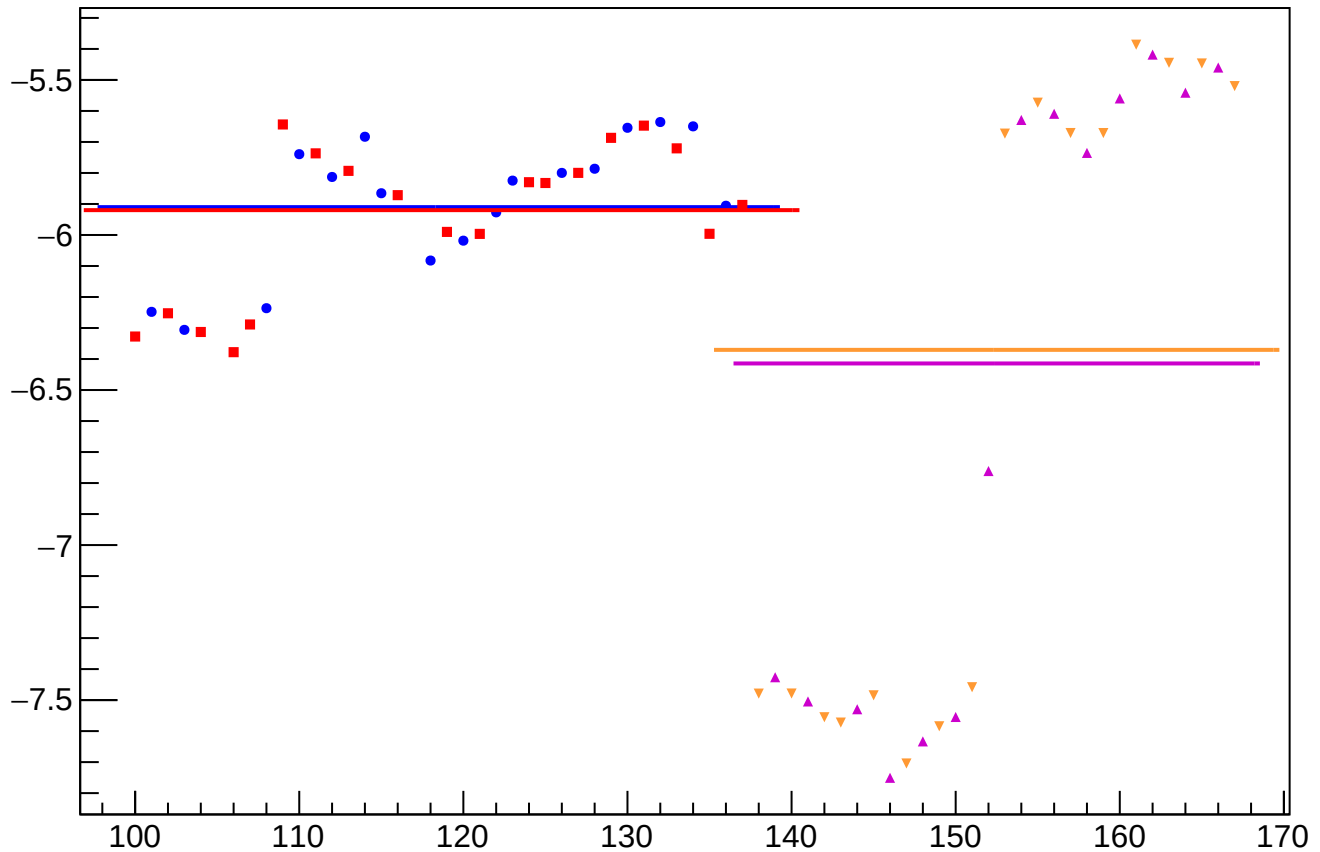
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:286907.3/13

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 495274.5/32

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1013191.7/65

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 517324.8/32

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

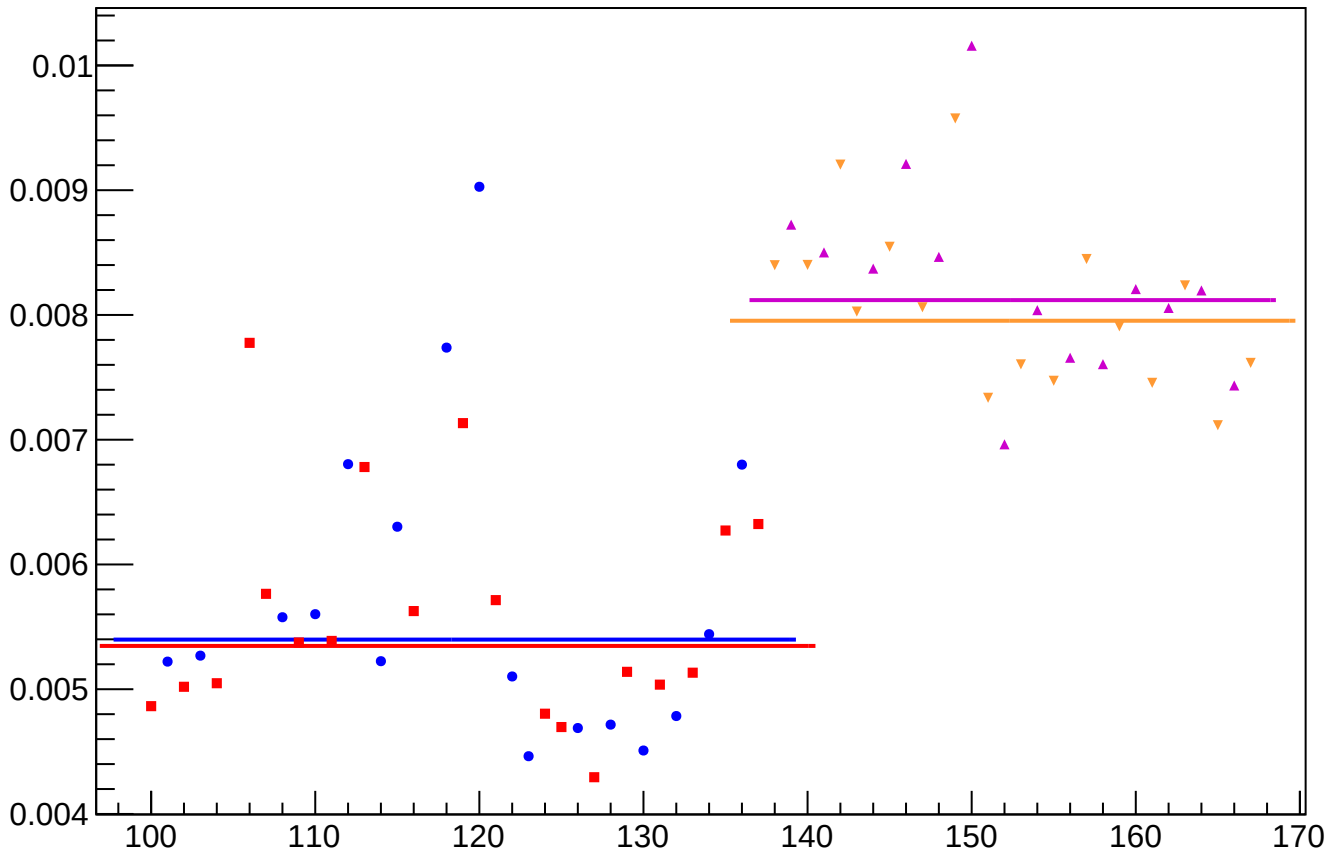
Left In: -6.414+/-0.000 χ^2/NDF : 127346489136.2/13

+ sign -6.116+/-0.000 χ^2/NDF : 188876713584.2/32

All: -6.115+/-0.000 χ^2/NDF : 350521688331.4

- sign -6.115+/-0.000 χ^2/NDF : 161644928878.6/32

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

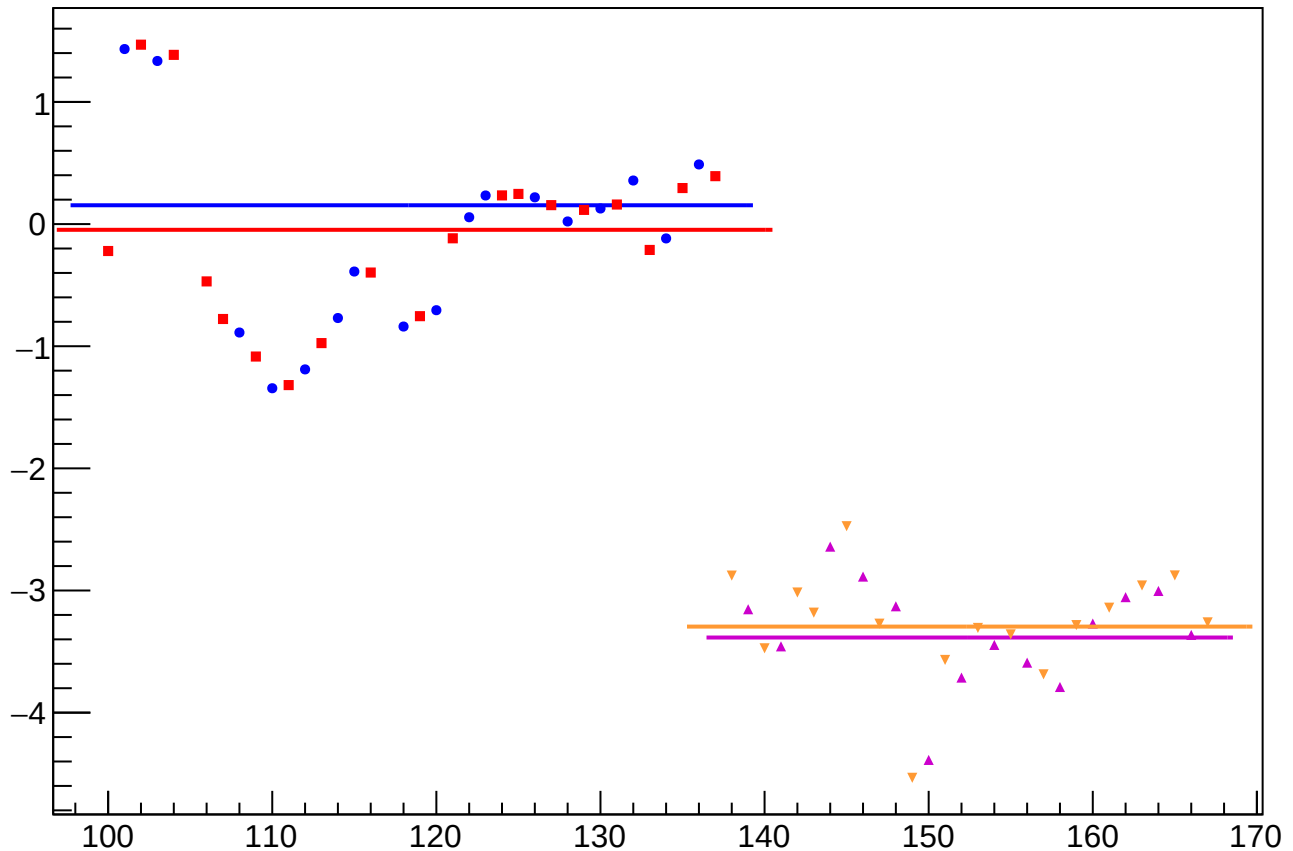
Left In: 0.008+/-0.000 χ^2/NDF :150988.8/13

+ sign 0.007+/-0.000 χ^2/NDF : 1669949.2/32

All: 0.006+/-0.000 χ^2/NDF : 3426044.8/65

- sign 0.006+/-0.000 χ^2/NDF : 1752647.9/32

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

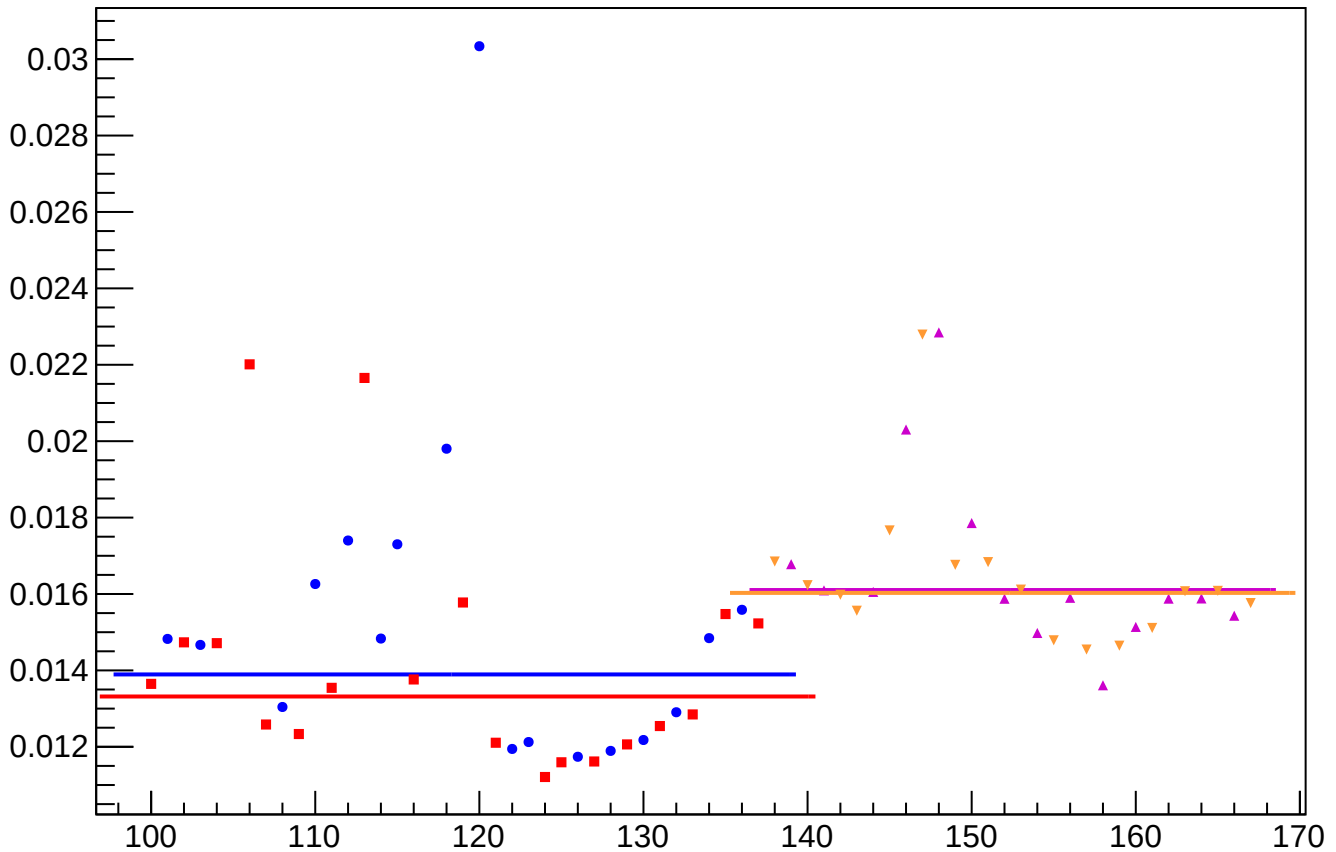
Left In: -3.385+/-0.000 χ^2/NDF : 6850052239.2/13

+ sign -1.877+/-0.000 χ^2/NDF : 239805168058.8/32

All: -1.829+/-0.000 χ^2/NDF : 479168627321.2

- sign -1.782+/-0.000 χ^2/NDF : 239024144552.4/32

yield_bpm0l02X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 400569.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF:194623.6/15

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 291358.0/18

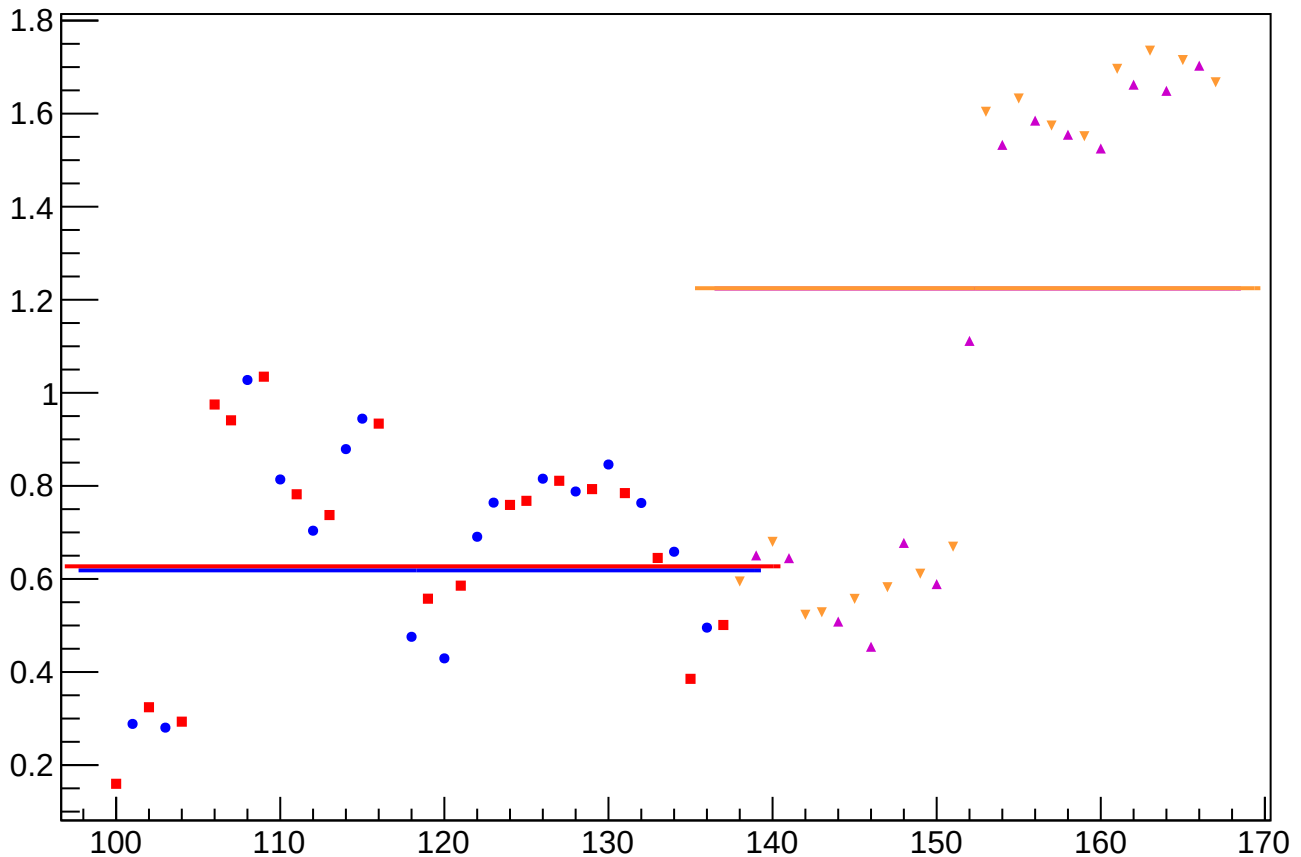
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:277016.8/13

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 759732.4/32

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1633337.5/65

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 862419.1/32

yield_bpm0l02Y_mean vs Slug



Right In: 0.619 $\pm$ 0.000 χ^2 /NDF: 5416939288.1/16

Left Out: 1.225 $\pm$ 0.000 χ^2 /NDF: 61922510153.1/15

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6337935219.4/18

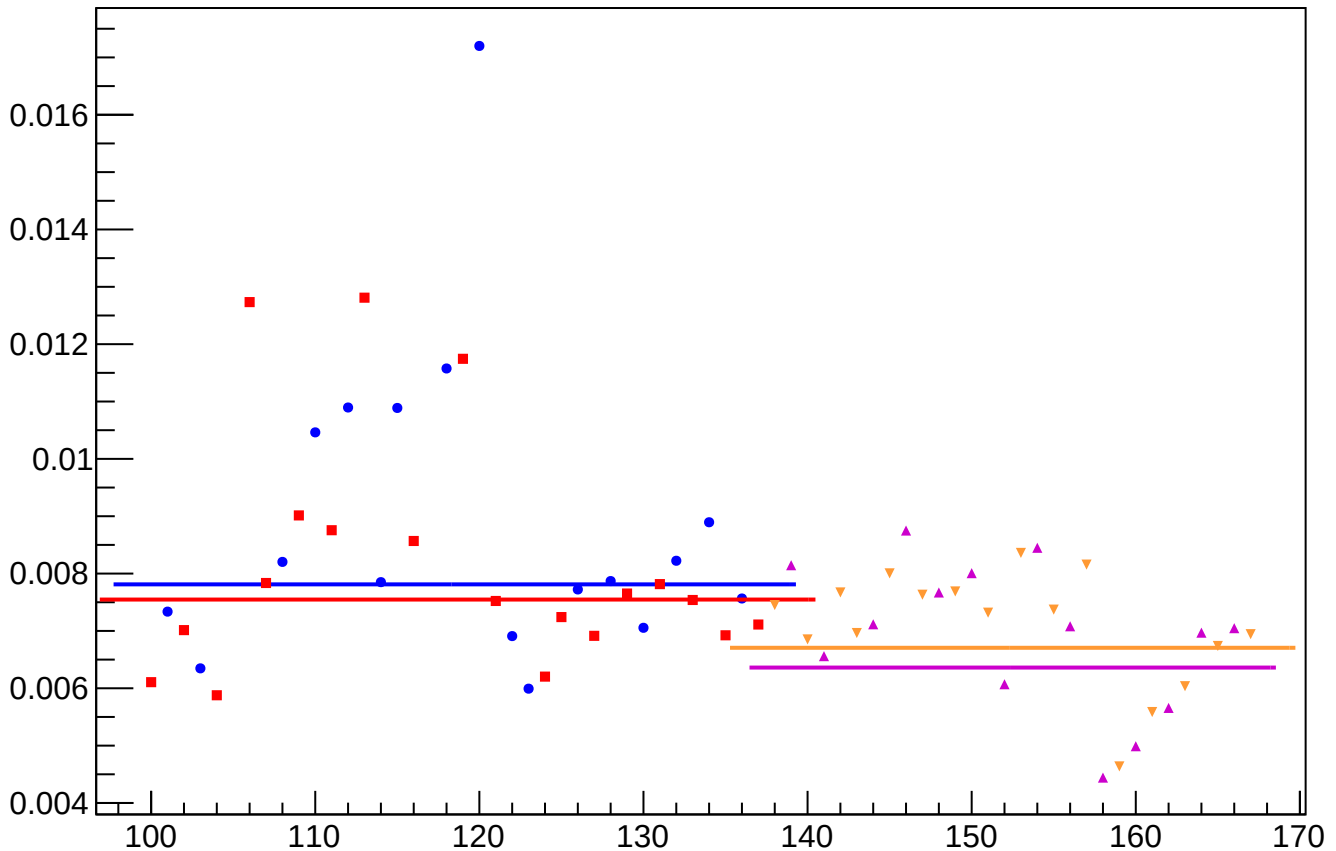
Left In: 1.224 $\pm$ 0.000 χ^2 /NDF: 50847046797.2/13

+ sign 1.050 $\pm$ 0.000 χ^2 /NDF: 92286513656.1/32

All: 1.044 $\pm$ 0.000 χ^2 /NDF: 176154990126.9

- sign 1.038 $\pm$ 0.000 χ^2 /NDF: 83843569655.7/32

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

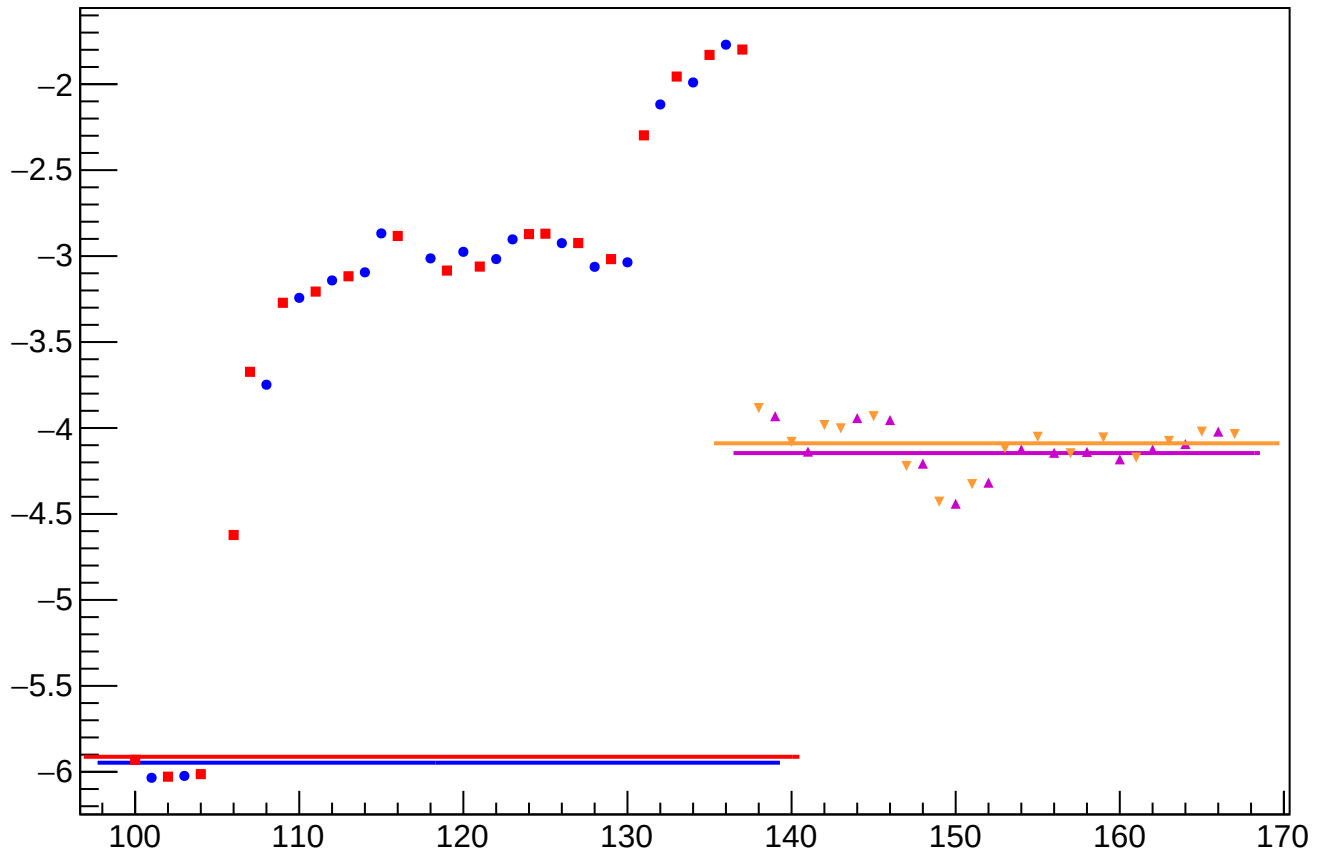
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 857420.7/13

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1250149.4/32

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2789145.7/65

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1509685.7/32

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

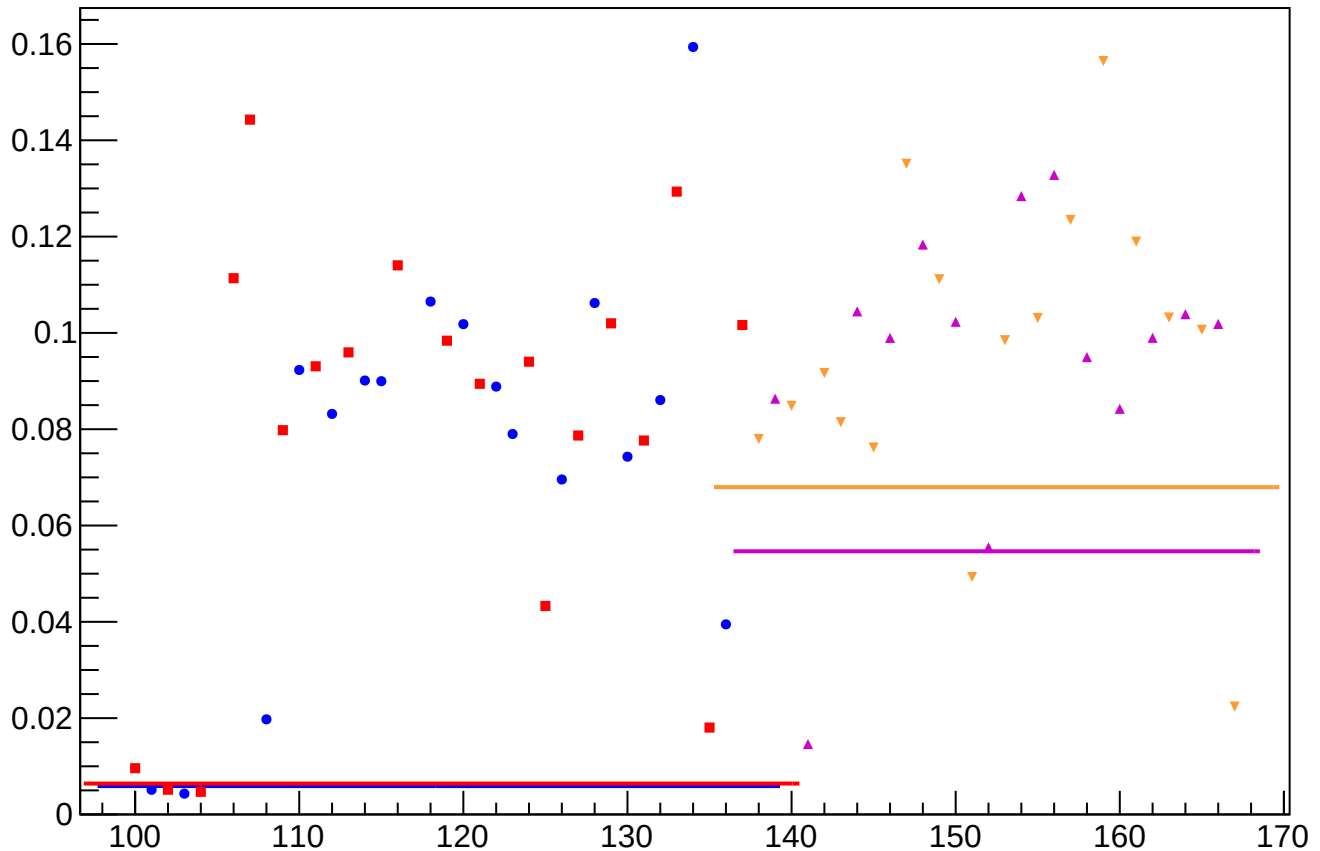
Left In: -4.146+/-0.000 χ^2 /NDF: 21953334.5/13

+ sign -5.884+/-0.000 χ^2 /NDF: 18766773894.0/32

All: -5.861+/-0.000 χ^2 /NDF: 38875430412.4/

- sign -5.832+/-0.000 χ^2 /NDF: 20050396637.3/32

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

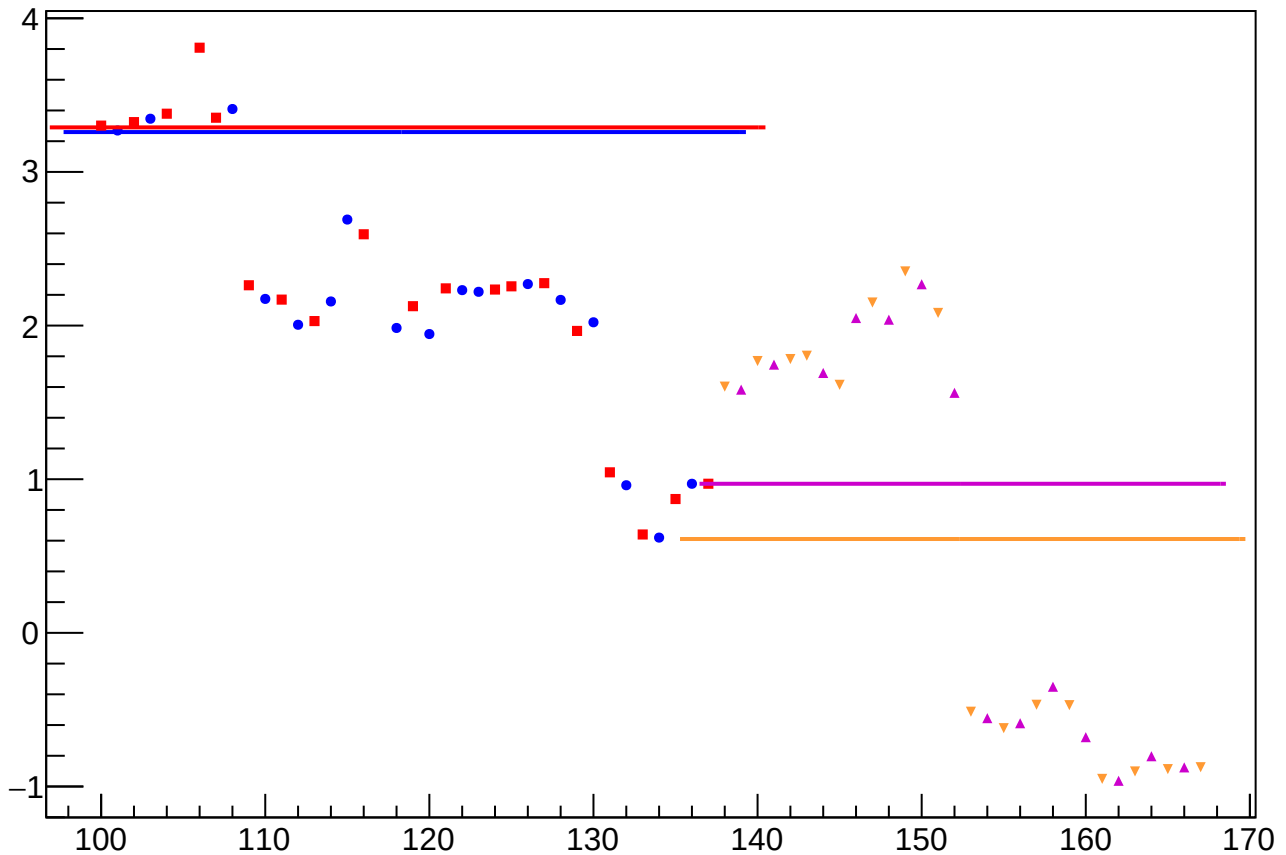
Left In: 0.055 $\pm$ 0.000 χ^2 /NDF:6340600.1/13

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 24816755.3/32

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 47735290.3/65

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 22902566.2/32

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 0.611+/-0.000 χ^2/NDF : 2528117269.0/15

Right Out: 3.290+/-0.000 χ^2/NDF : 3262231575.5/18

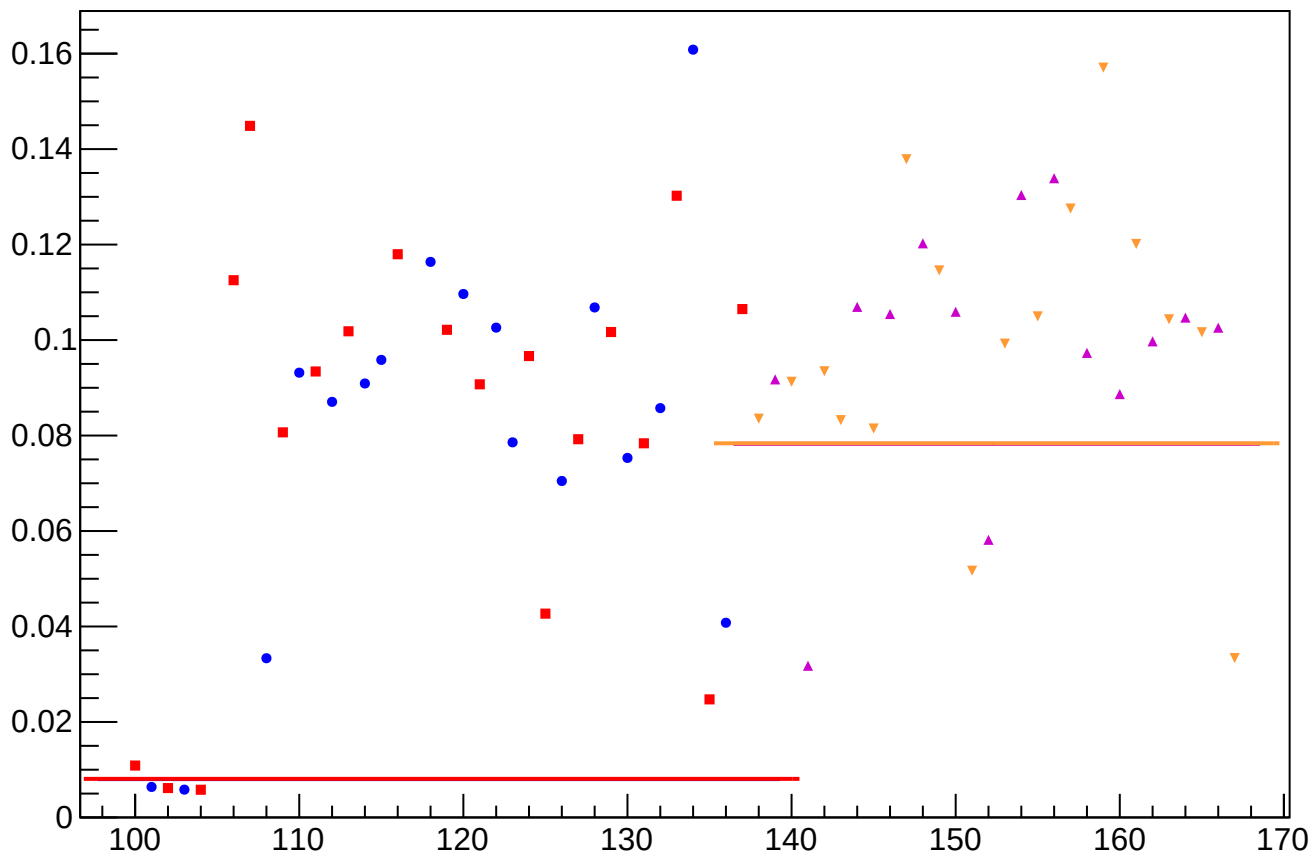
Left In: 0.970+/-0.000 χ^2/NDF : 1649324574.3/13

+ sign 3.137+/-0.000 χ^2/NDF : 14771609526.2/32

All: 3.162+/-0.000 χ^2/NDF : 25932263846.3/64

- sign 3.189+/-0.000 χ^2/NDF : 11122048122.8/32

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

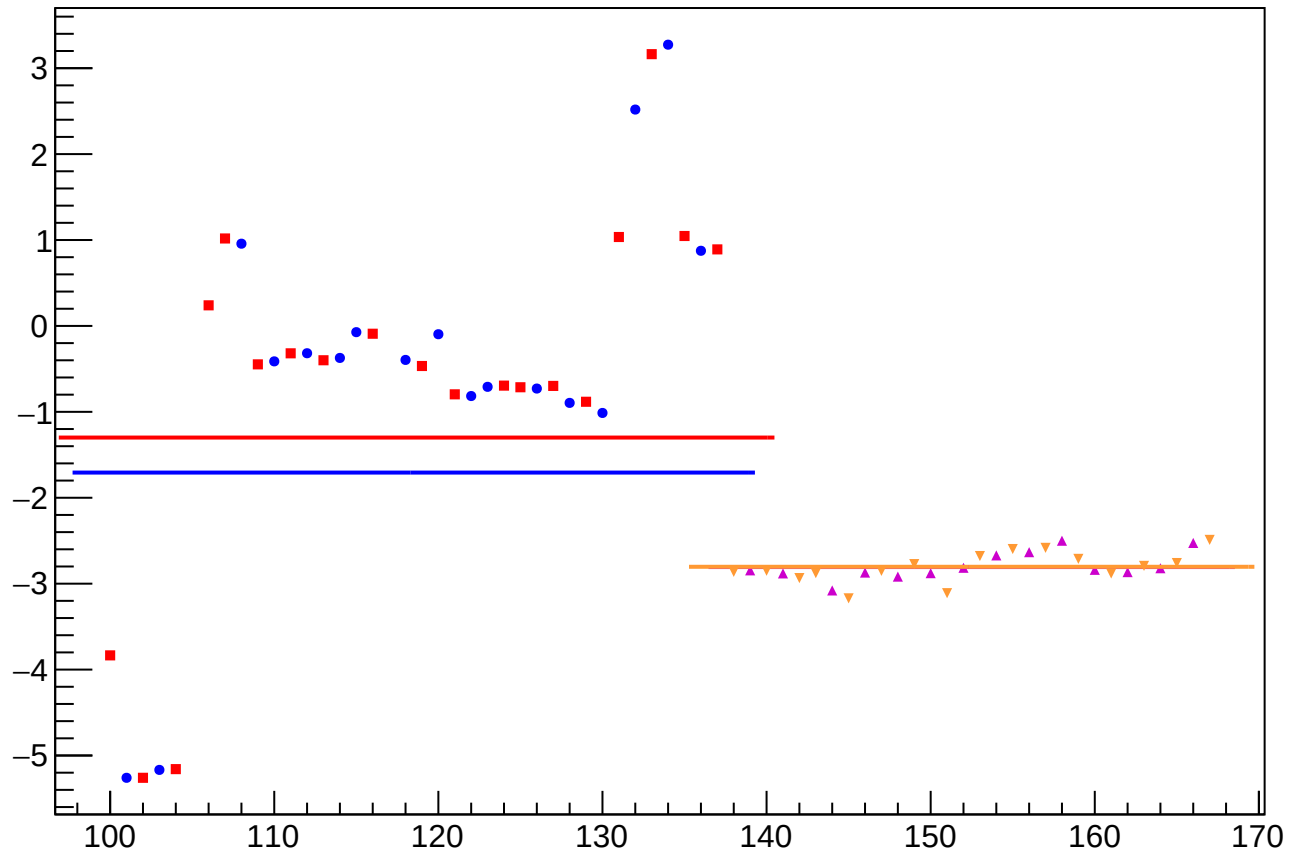
Left In: 0.078+/-0.000 χ^2/NDF : 2745141.9/13

+ sign 0.011+/-0.000 χ^2/NDF : 23851488.5/32

All: 0.011+/-0.000 χ^2/NDF : 46273379.6/65

- sign 0.011+/-0.000 χ^2/NDF : 22421281.2/32

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

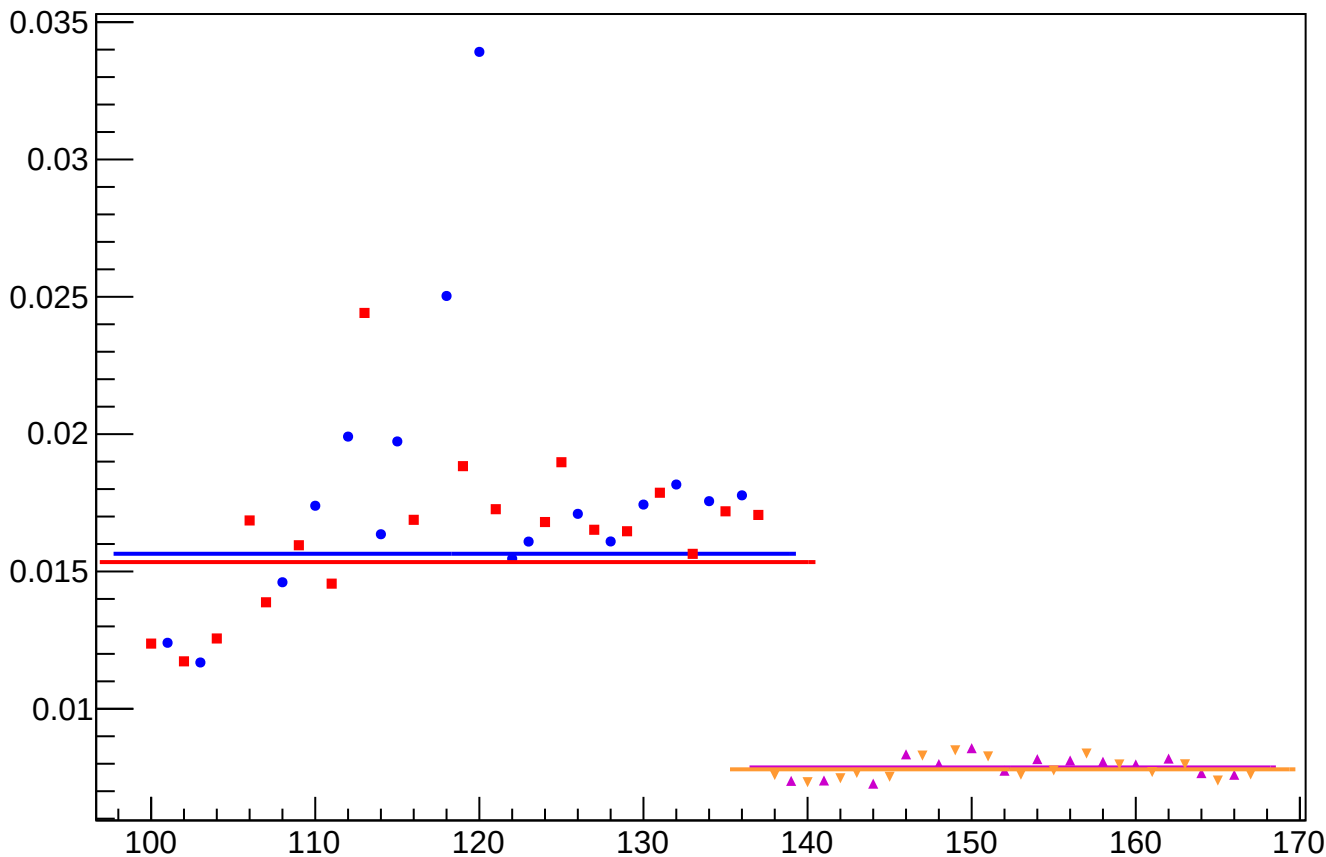
Left In: -2.807+/-0.000 χ^2/NDF : 3997940850.6/13

+ sign -2.683+/-0.000 χ^2/NDF : 196452461126.3/32

All: -2.644+/-0.000 χ^2/NDF : 430854000217.0

- sign -2.602+/-0.000 χ^2/NDF : 233732279489.6/32

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 578244.3/16

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 45492.7/15

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 353806.7/18

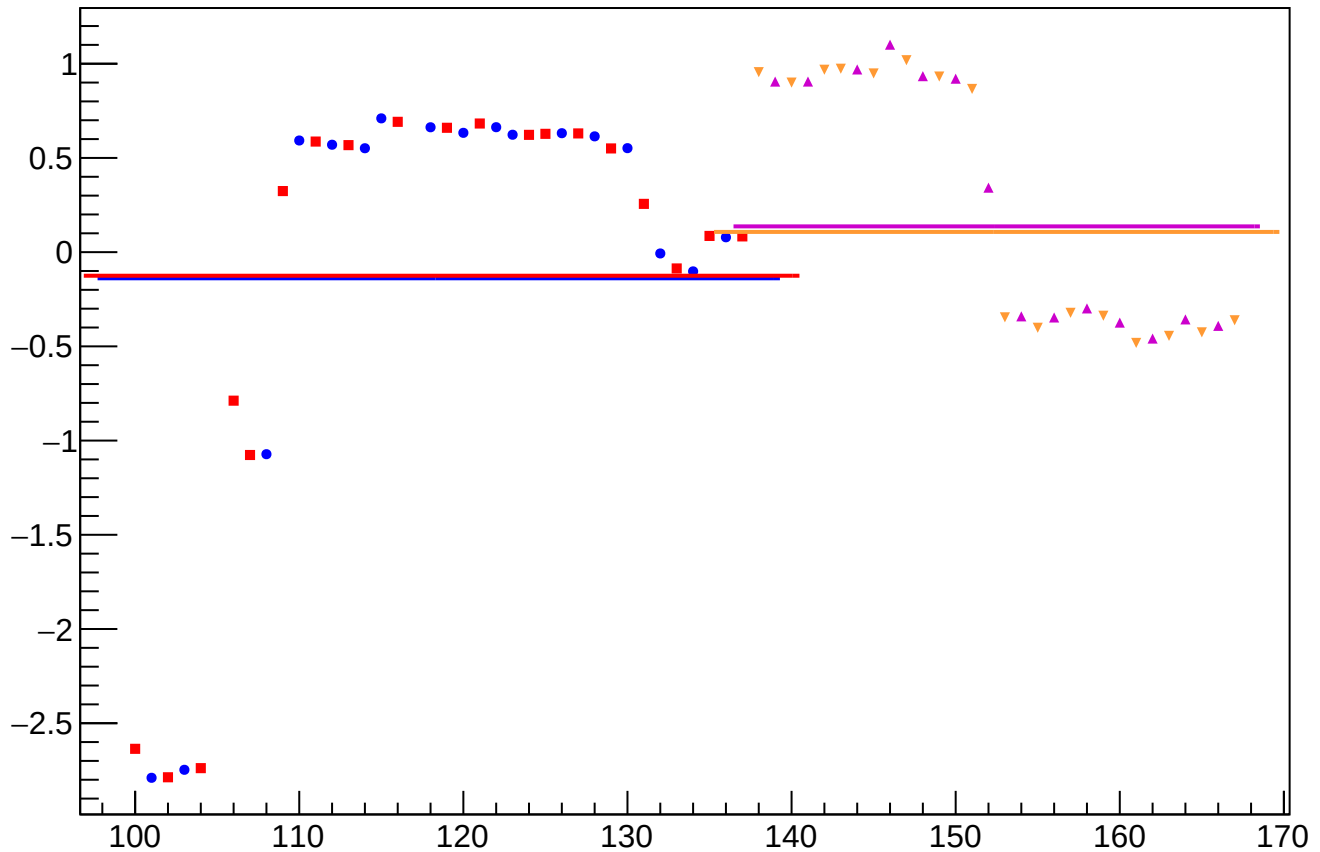
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 49752.9/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3136264.8/32

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6093994.4/65

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2947490.9/32

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

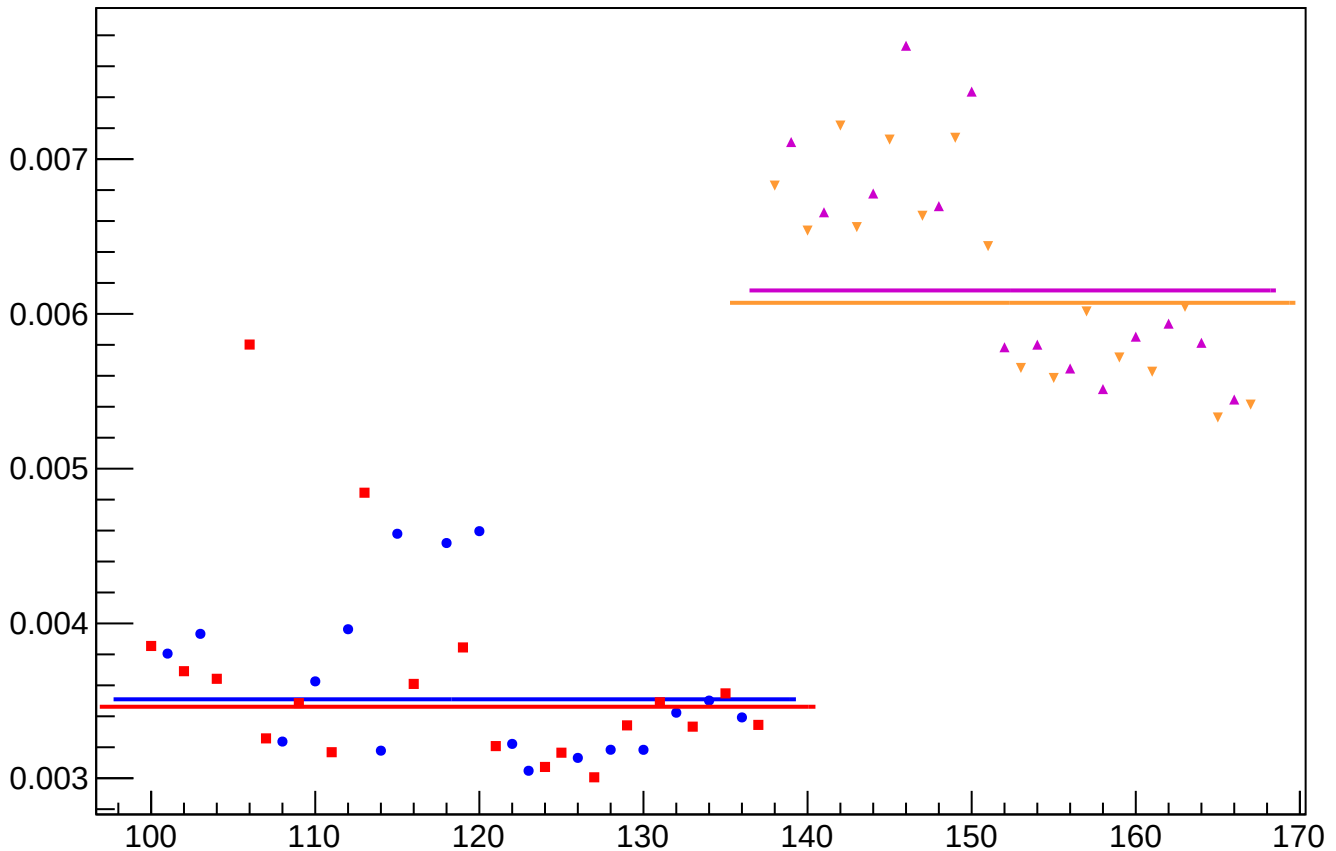
Left In: 0.137 ± 0.000 χ^2/NDF : 96265104173.0/13

+ sign -0.050 ± 0.000 χ^2/NDF : 845911142077.5/32

All: -0.046 ± 0.000 χ^2/NDF : 1715846222594

- sign -0.042 ± 0.000 χ^2/NDF : 869909638274.3/32

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

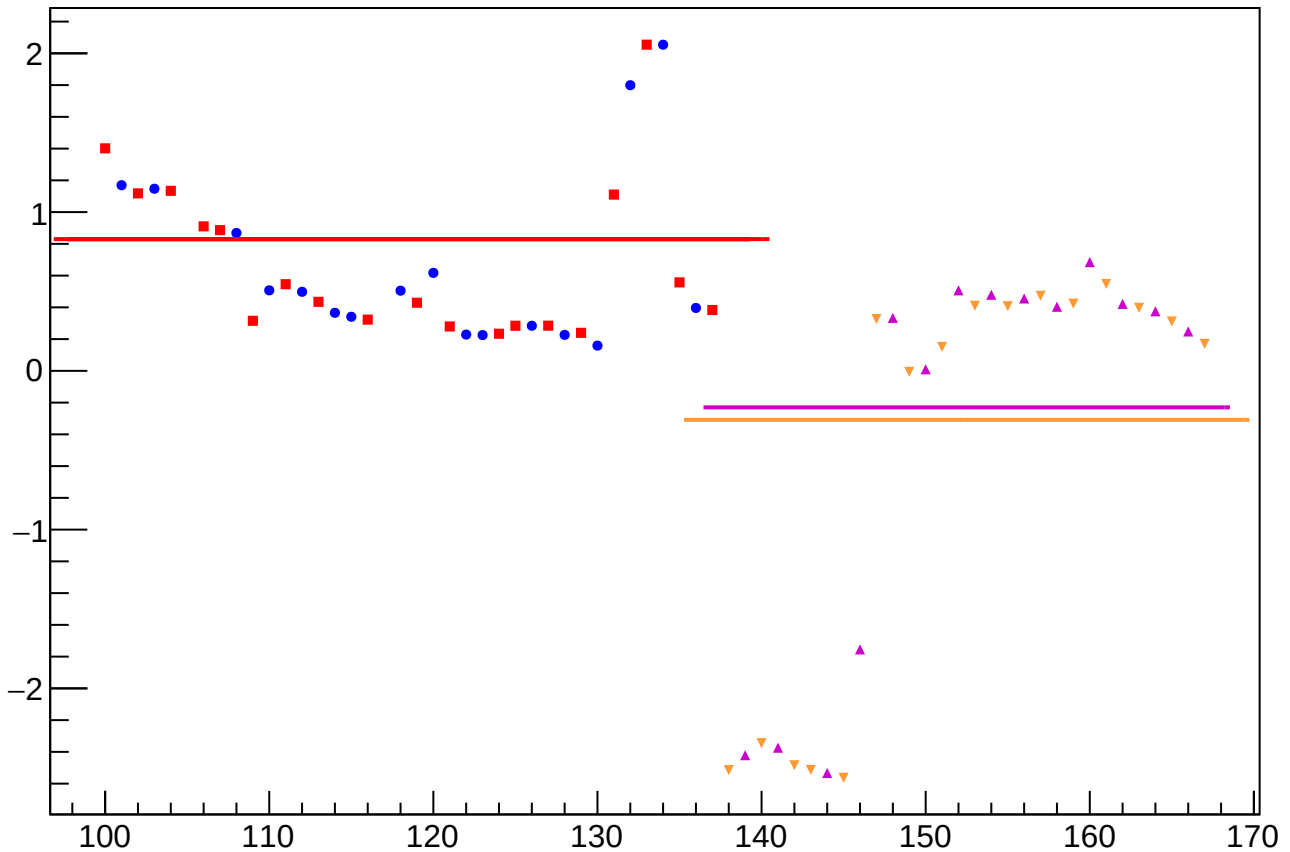
Left In: 0.006+/-0.000 χ^2/NDF : 223507.8/13

+ sign 0.004+/-0.000 χ^2/NDF : 2788335.9/32

All: 0.004+/-0.000 χ^2/NDF : 5801574.1/65

- sign 0.004+/-0.000 χ^2/NDF : 3001809.9/32

yield_bpm0l05X_mean vs Slug



Right In: 0.829 $\pm$ 0.000 χ^2 /NDF: 31718573821.2/16

Left Out: -0.309 $\pm$ 0.000 χ^2 /NDF: 449559037228.4/15

Right Out: 0.830 $\pm$ 0.000 χ^2 /NDF: 33335665437.8/18

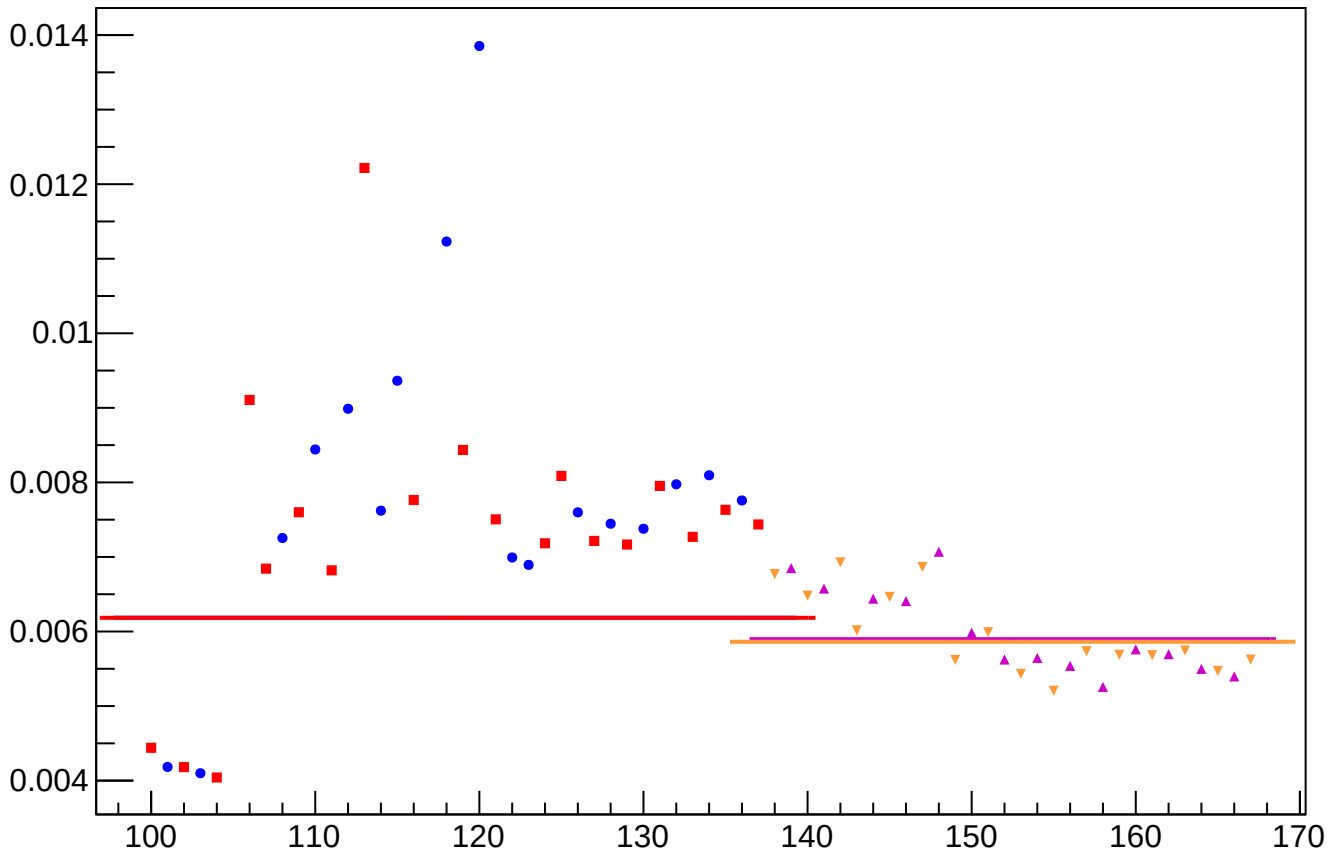
Left In: -0.230 $\pm$ 0.000 χ^2 /NDF: 384628515600.0/13

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 606521699186.9/32

All: 0.084 $\pm$ 0.000 χ^2 /NDF: 1138631860923.0/32

- sign 0.134 $\pm$ 0.000 χ^2 /NDF: 529979022062.7/32

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

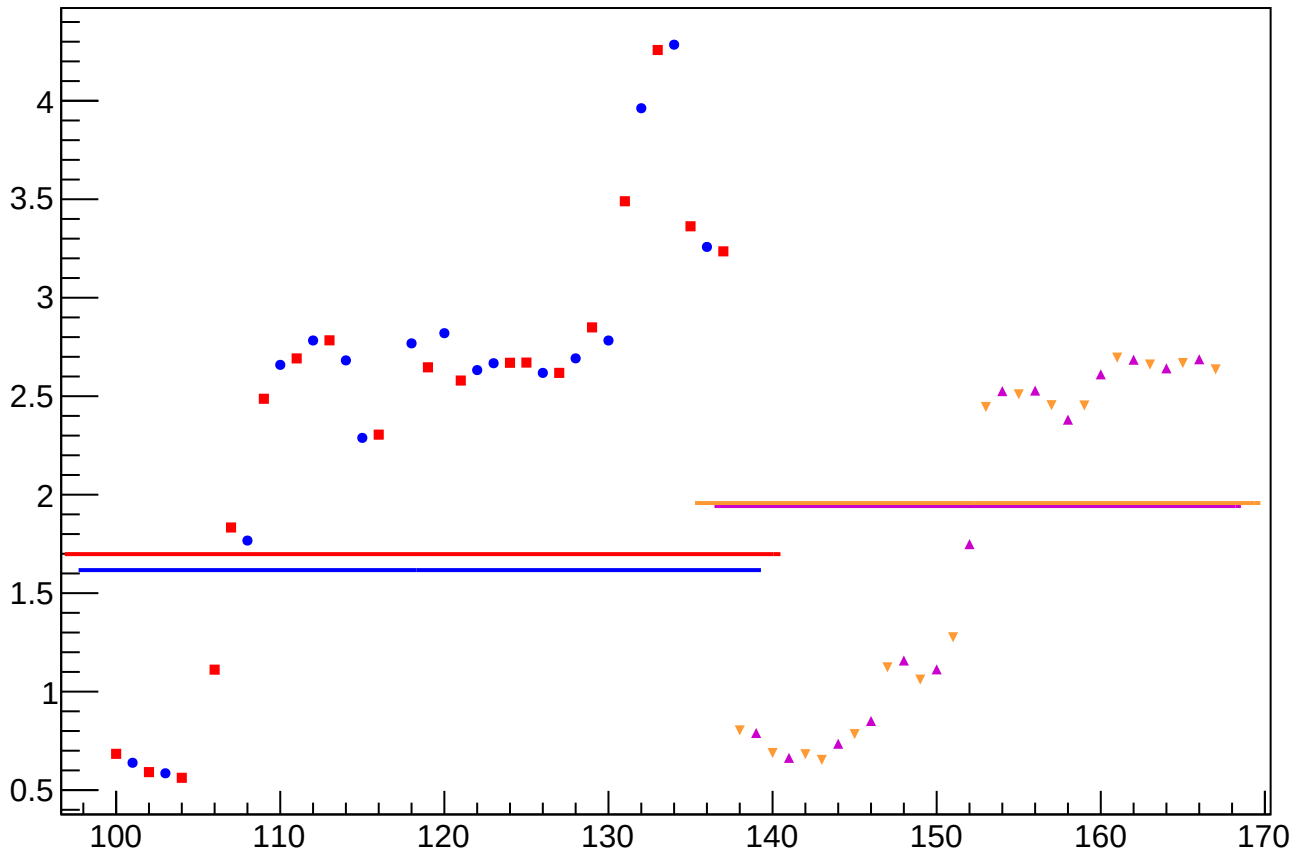
Left In: 0.006+/-0.000 χ^2/NDF : 157658.1/13

+ sign 0.006+/-0.000 χ^2/NDF : 1397761.4/32

All: 0.006+/-0.000 χ^2/NDF : 2599166.8/65

- sign 0.006+/-0.000 χ^2/NDF : 1200844.0/32

yield_bpm0l05Y_mean vs Slug



Right In: 1.617 $\pm$ 0.000 χ^2 /NDF: 202886791000.7/16

Left Out: 1.957 $\pm$ 0.000 χ^2 /NDF: 244647498411.7/15

Right Out: 1.698 $\pm$ 0.000 χ^2 /NDF: 227408345801.7/18

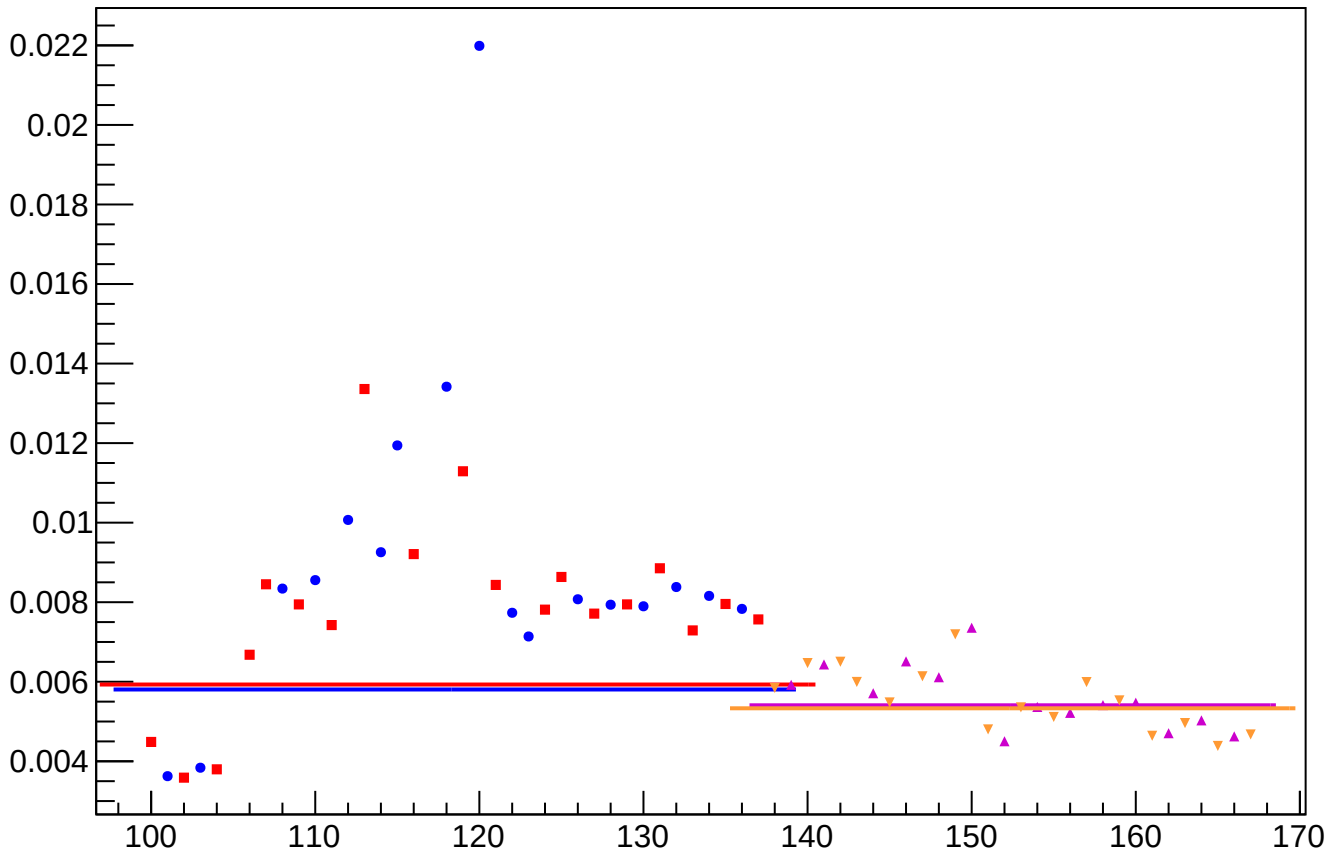
Left In: 1.942 $\pm$ 0.000 χ^2 /NDF: 202730597189.9/13

+ sign 1.861 $\pm$ 0.000 χ^2 /NDF: 459444438108.5/32

All: 1.863 $\pm$ 0.000 χ^2 /NDF: 895785186962.6

- sign 1.865 $\pm$ 0.000 χ^2 /NDF: 436337667430.7/32

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

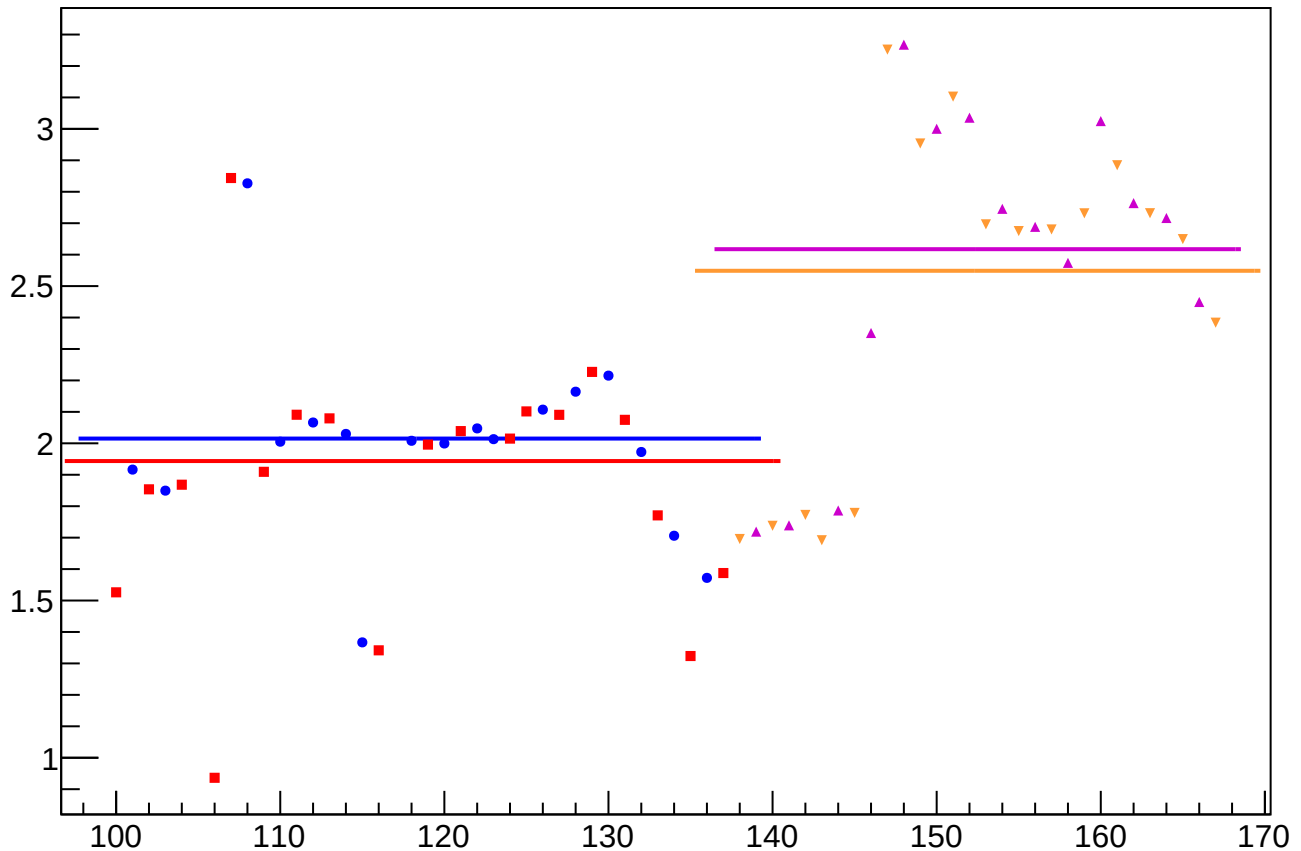
Left In: 0.005+/-0.000 χ^2/NDF : 340109.0/13

+ sign 0.005+/-0.000 χ^2/NDF : 2324981.9/32

All: 0.006+/-0.000 χ^2/NDF : 4413073.4/65

- sign 0.006+/-0.000 χ^2/NDF : 2082376.7/32

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

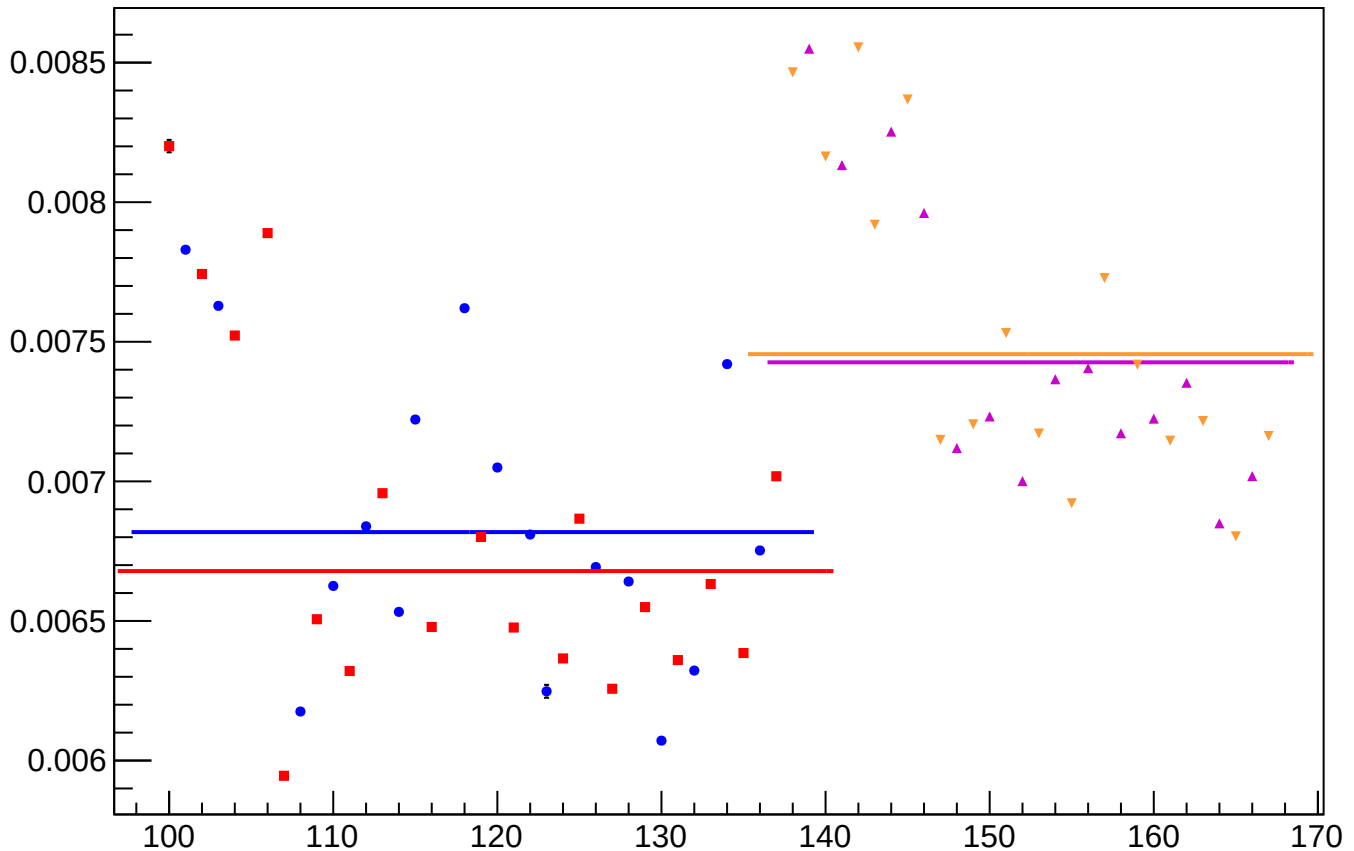
Left In: 2.617 $\pm$ 0.000 χ^2 /NDF: 40909442307.9/13

+ sign 2.333 $\pm$ 0.000 χ^2 /NDF: 83970446647.7/32

All: 2.324 $\pm$ 0.000 χ^2 /NDF: 184507246660.9

- sign 2.316 $\pm$ 0.000 χ^2 /NDF: 100486616944.6/32

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 75813.9/16

Left Out: 0.007+/-0.000 χ^2/NDF :100800.2/15

Right Out: 0.007+/-0.000 χ^2/NDF : 75718.4/18

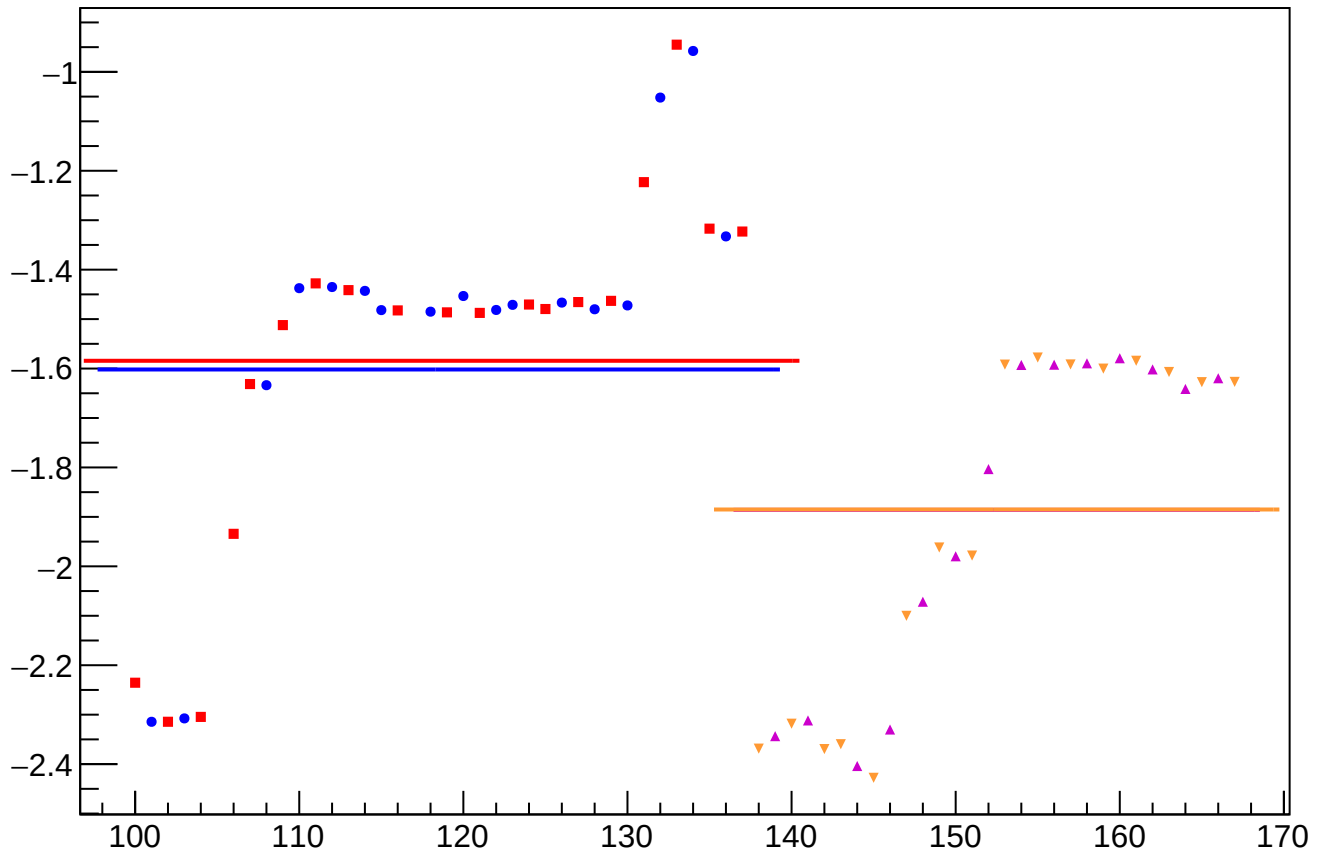
Left In: 0.007+/-0.000 χ^2/NDF :83236.5/13

+ sign 0.007+/-0.000 χ^2/NDF : 242823.0/32

All: 0.007+/-0.000 χ^2/NDF : 499577.3/65

- sign 0.007+/-0.000 χ^2/NDF : 252923.2/32

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

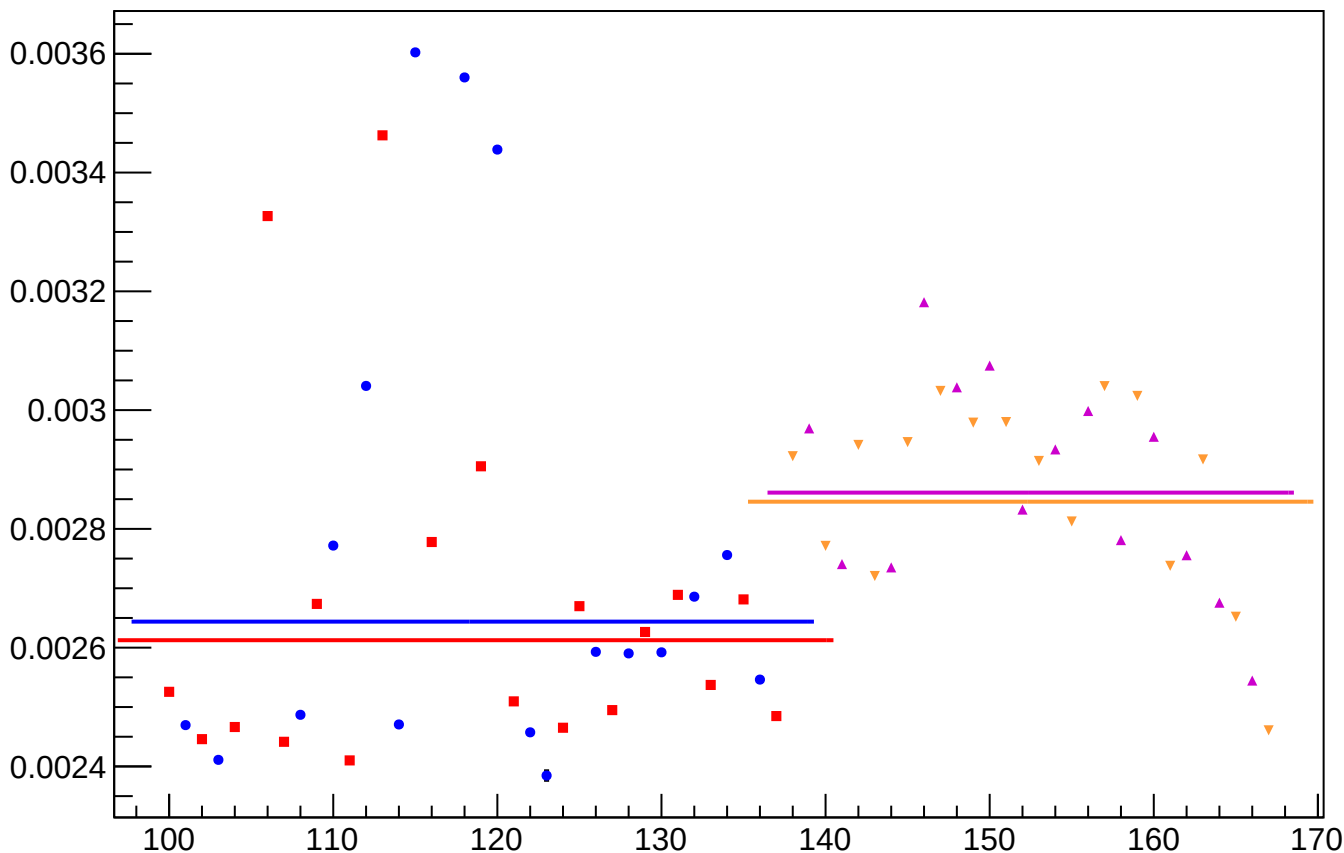
Left In: -1.886+/-0.000 χ^2 /NDF: 132994006429.5/13

+ sign -1.773+/-0.000 χ^2 /NDF: 338245535437.7/32

All: -1.764+/-0.000 χ^2 /NDF: 665232113584.1

- sign -1.754+/-0.000 χ^2 /NDF: 326563060723.9/32

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

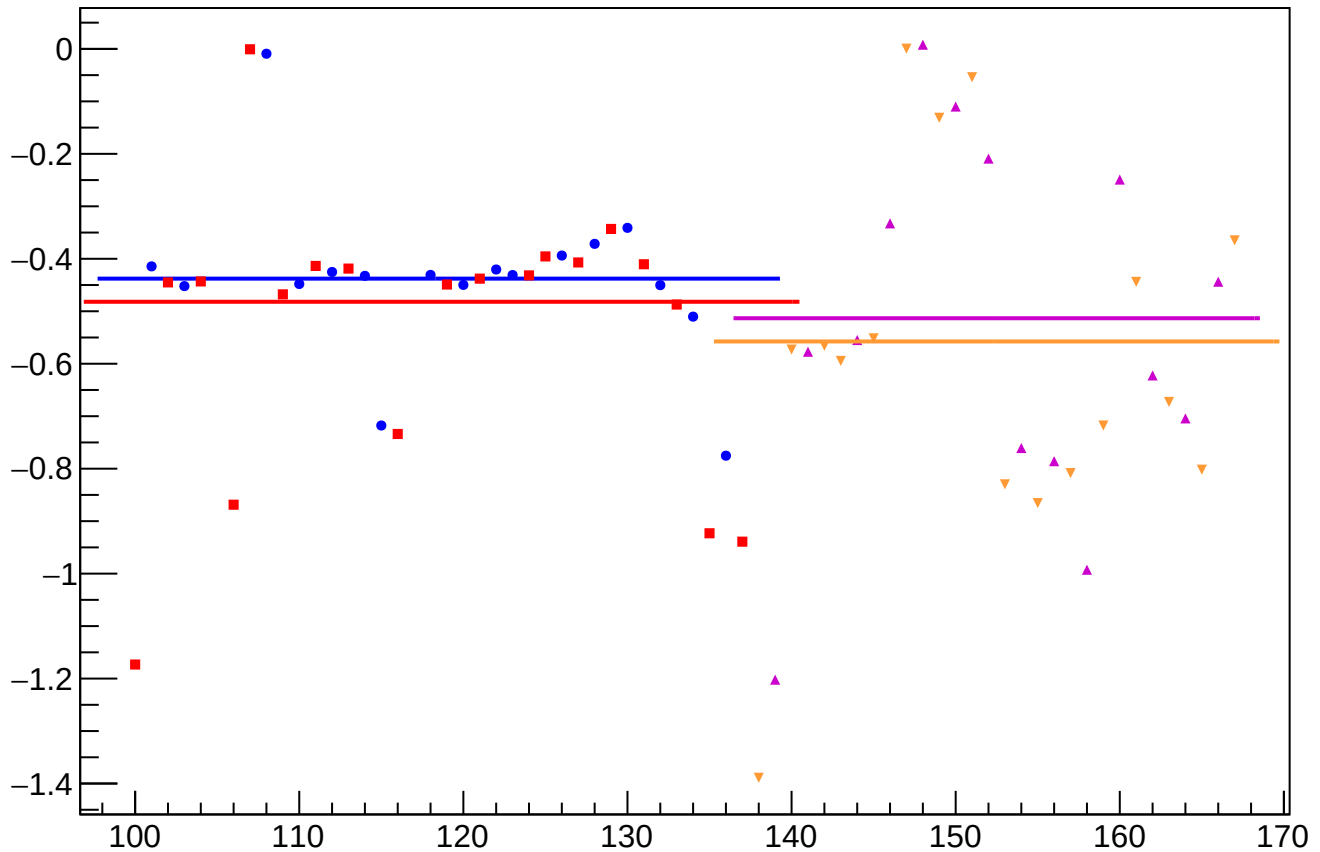
Left In: 0.003+/-0.000 χ^2/NDF : 67183.8/13

+ sign 0.003+/-0.000 χ^2/NDF : 273921.7/32

All: 0.003+/-0.000 χ^2/NDF : 514744.4/65

- sign 0.003+/-0.000 χ^2/NDF : 240396.0/32

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

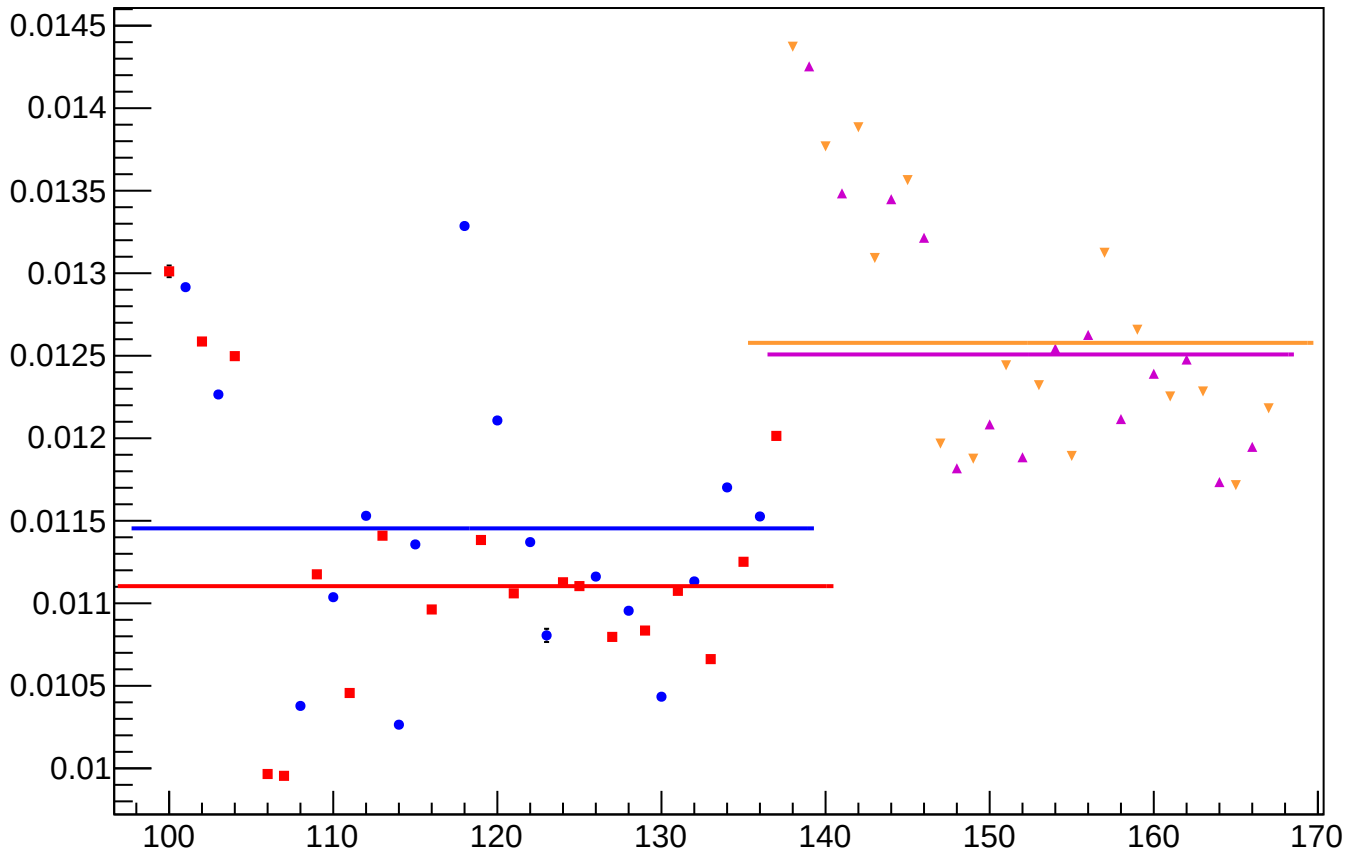
Left In: -0.513+/-0.000 χ^2/NDF : 7109778449.0/13

+ sign -0.509+/-0.000 χ^2/NDF : 9900238763.0/32

All: -0.504+/-0.000 χ^2/NDF : 19740233355.6/32

- sign -0.499+/-0.000 χ^2/NDF : 9834314890.4/32

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

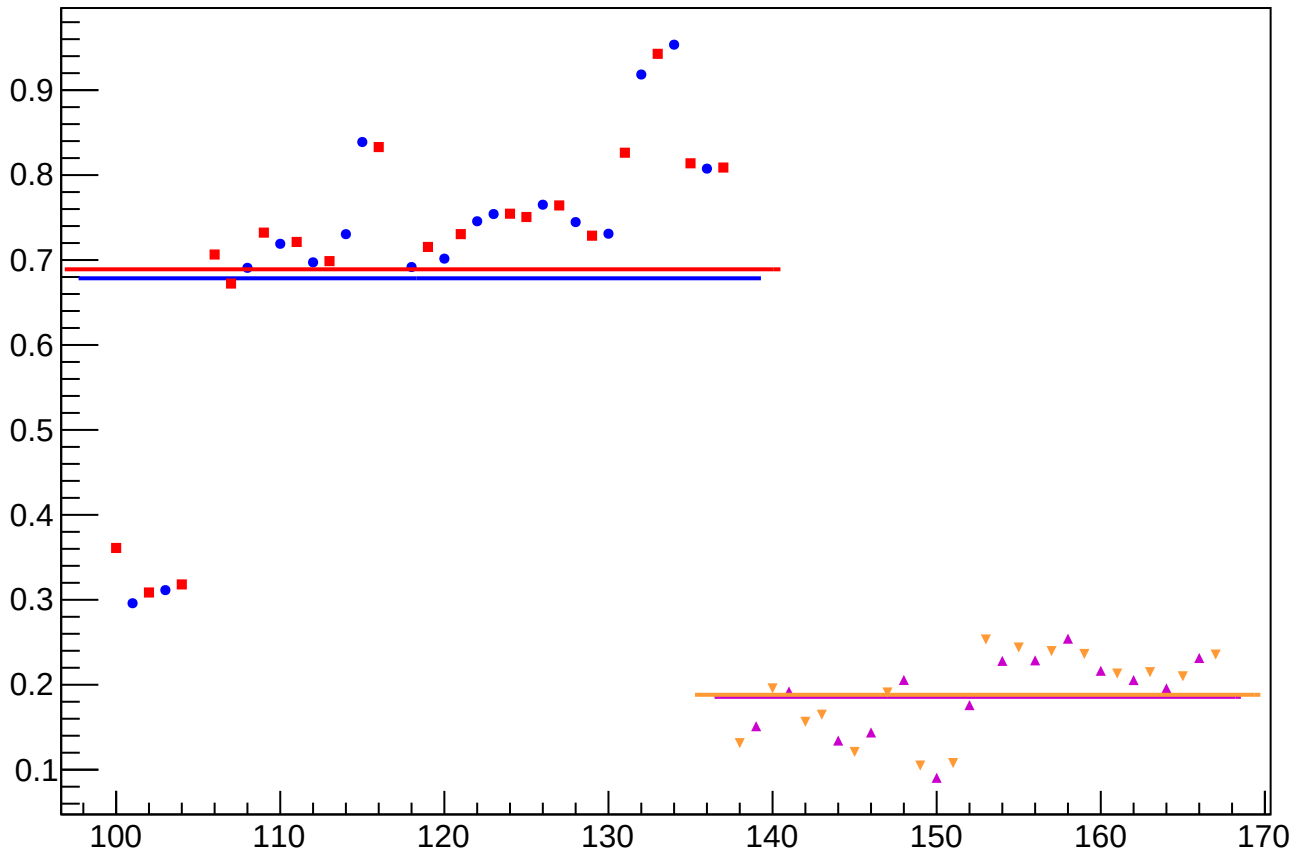
Left In: 0.013+/-0.000 χ^2/NDF : 61046.4/13

+ sign 0.012+/-0.000 χ^2/NDF : 214278.0/32

All: 0.012+/-0.000 χ^2/NDF : 459014.6/65

- sign 0.012+/-0.000 χ^2/NDF : 236739.1/32

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.188 $\pm$ 0.000 χ^2 /NDF: 5895175572.3/15

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

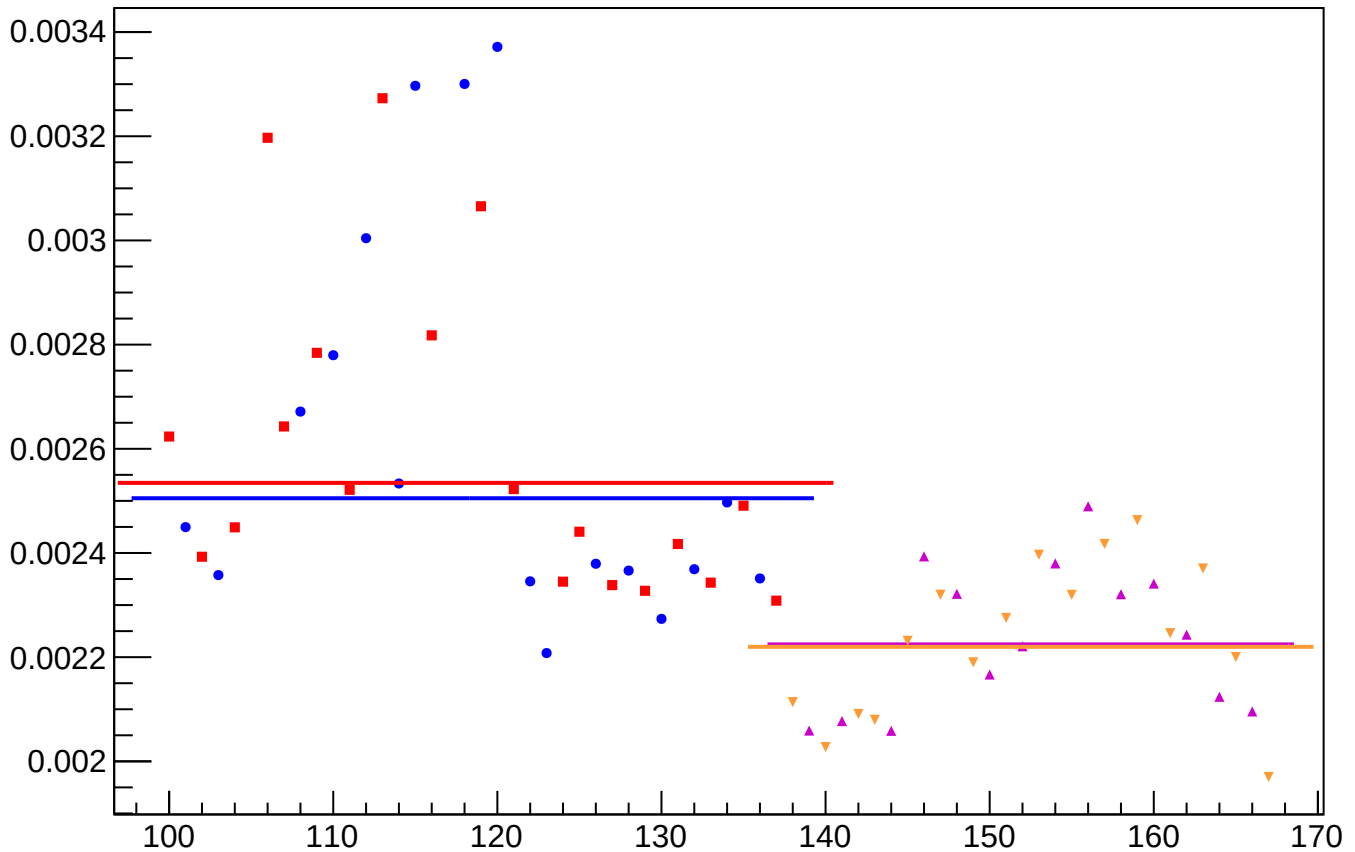
Left In: 0.186 $\pm$ 0.000 χ^2 /NDF: 4391707353.0/13

+ sign 0.335 $\pm$ 0.000 χ^2 /NDF: 215316026879.2/32

All: 0.342 $\pm$ 0.000 χ^2 /NDF: 433692803416.4

- sign 0.350 $\pm$ 0.000 χ^2 /NDF: 218035917384.6/32

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002+/-0.000 χ^2/NDF :100279.5/15

Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

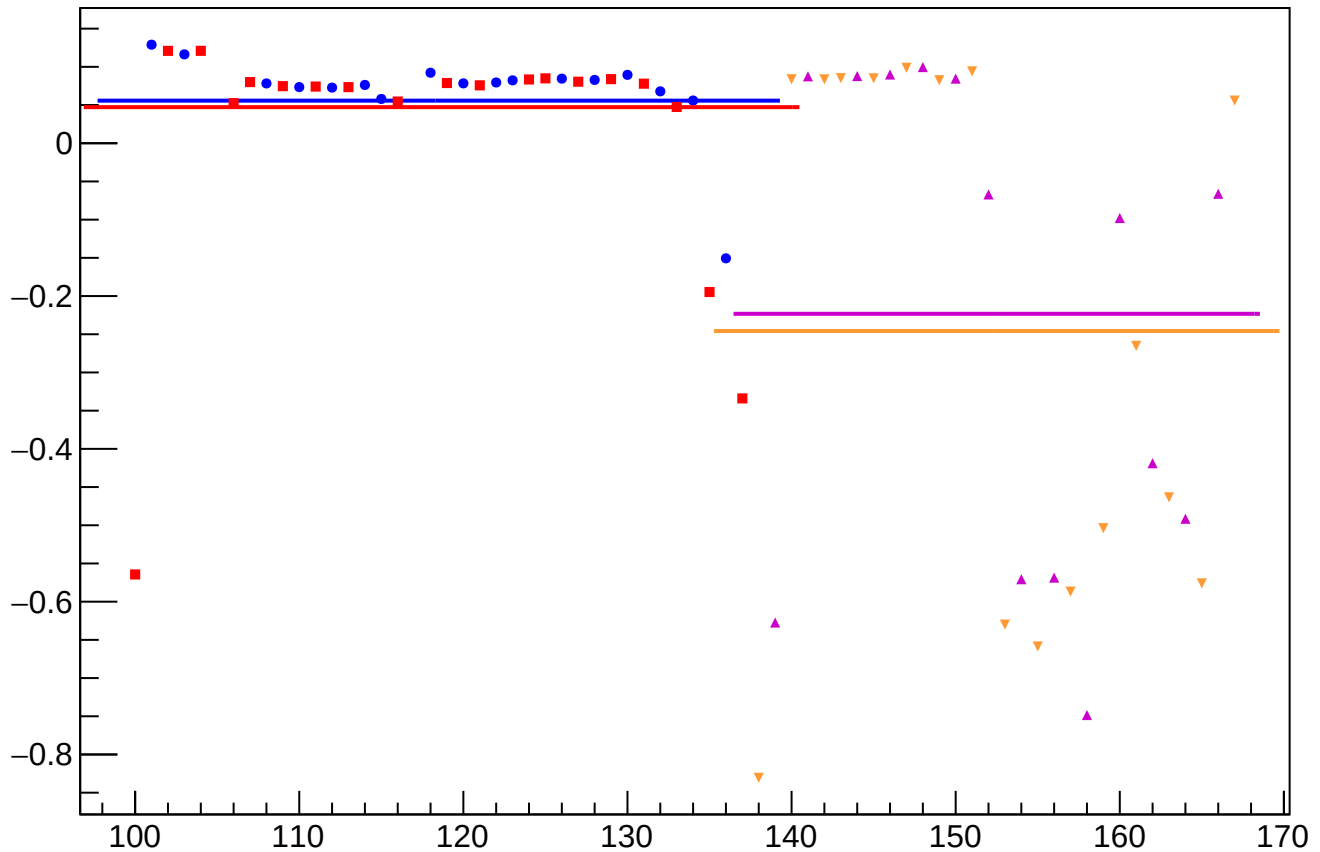
Left In: 0.002+/-0.000 χ^2/NDF :78449.4/13

+ sign 0.002+/-0.000 χ^2/NDF : 391524.5/32

All: 0.002+/-0.000 χ^2/NDF : 738243.8/65

- sign 0.002+/-0.000 χ^2/NDF : 345388.3/32

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

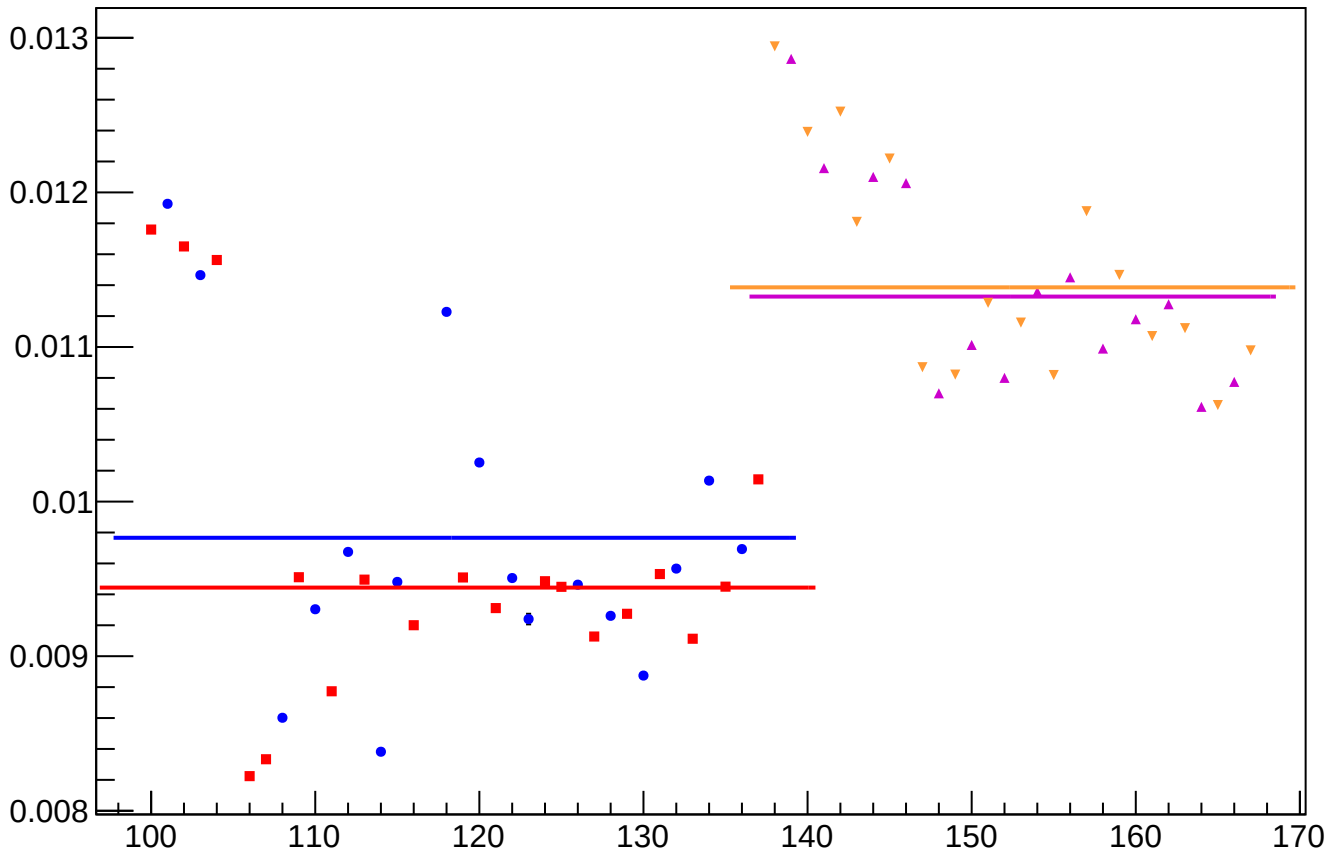
Left In: -0.223+/-0.000 χ^2/NDF : 7787023266.1/13

+ sign -0.114+/-0.000 χ^2/NDF : 13687007470.1/32

All: -0.102+/-0.000 χ^2/NDF : 25221964332.2/32

- sign -0.091+/-0.000 χ^2/NDF : 11491845579.5/32

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 116638.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 69189.2/15

Right Out: 0.009+/-0.000 χ^2/NDF : 110693.8/18

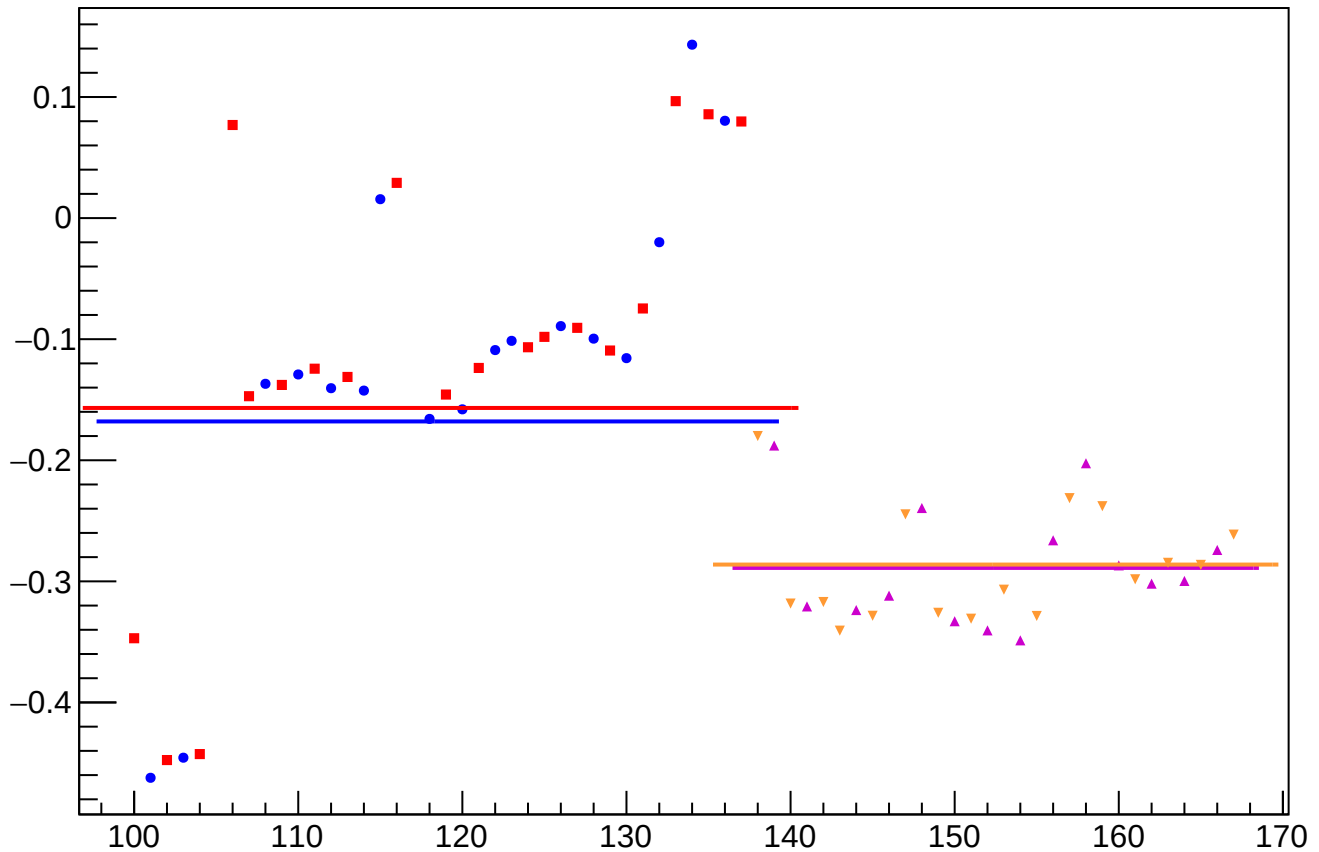
Left In: 0.011+/-0.000 χ^2/NDF : 58556.6/13

+ sign 0.011+/-0.000 χ^2/NDF : 385317.4/32

All: 0.011+/-0.000 χ^2/NDF : 845874.6/65

- sign 0.010+/-0.000 χ^2/NDF : 448708.3/32

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

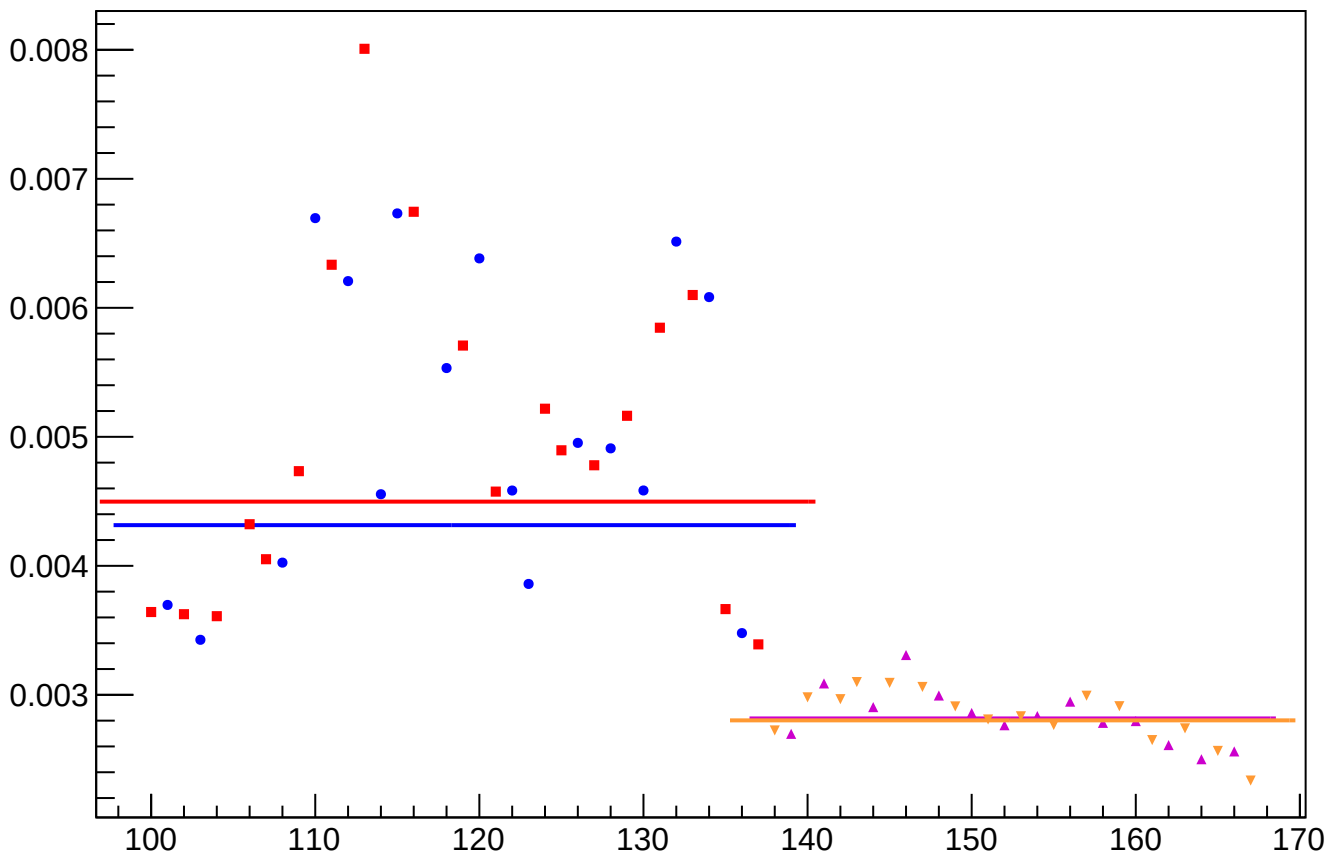
Left In: -0.289+/-0.000 χ^2/NDF : 3080307054.2/13

+ sign -0.265+/-0.000 χ^2/NDF : 18678038022.0/32

All: -0.264+/-0.000 χ^2/NDF : 37126137593.2/32

- sign -0.264+/-0.000 χ^2/NDF : 18446383296.0/32

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 131613.5/15

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 649708.4/18

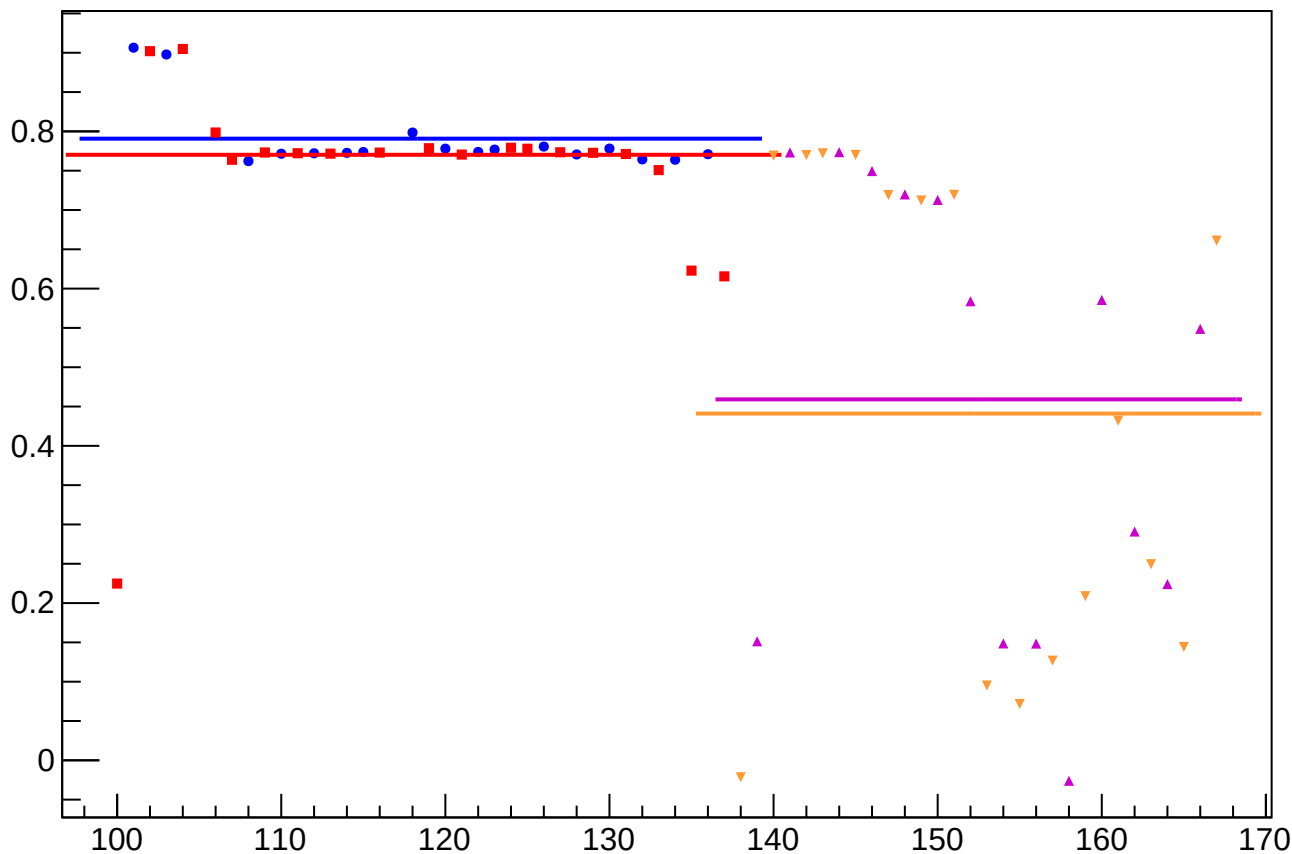
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 95272.2/13

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 1924866.5/32

All: 0.003 $\pm$ 0.000 χ^2/NDF : 4081791.0/65

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 2149485.5/32

yield_bpm0l09X_mean vs Slug



Right In: 0.791+/-0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.441+/-0.000 χ^2/NDF : 7992611471.8/15

Right Out: 0.770+/-0.000 χ^2/NDF : 375442189.7/18

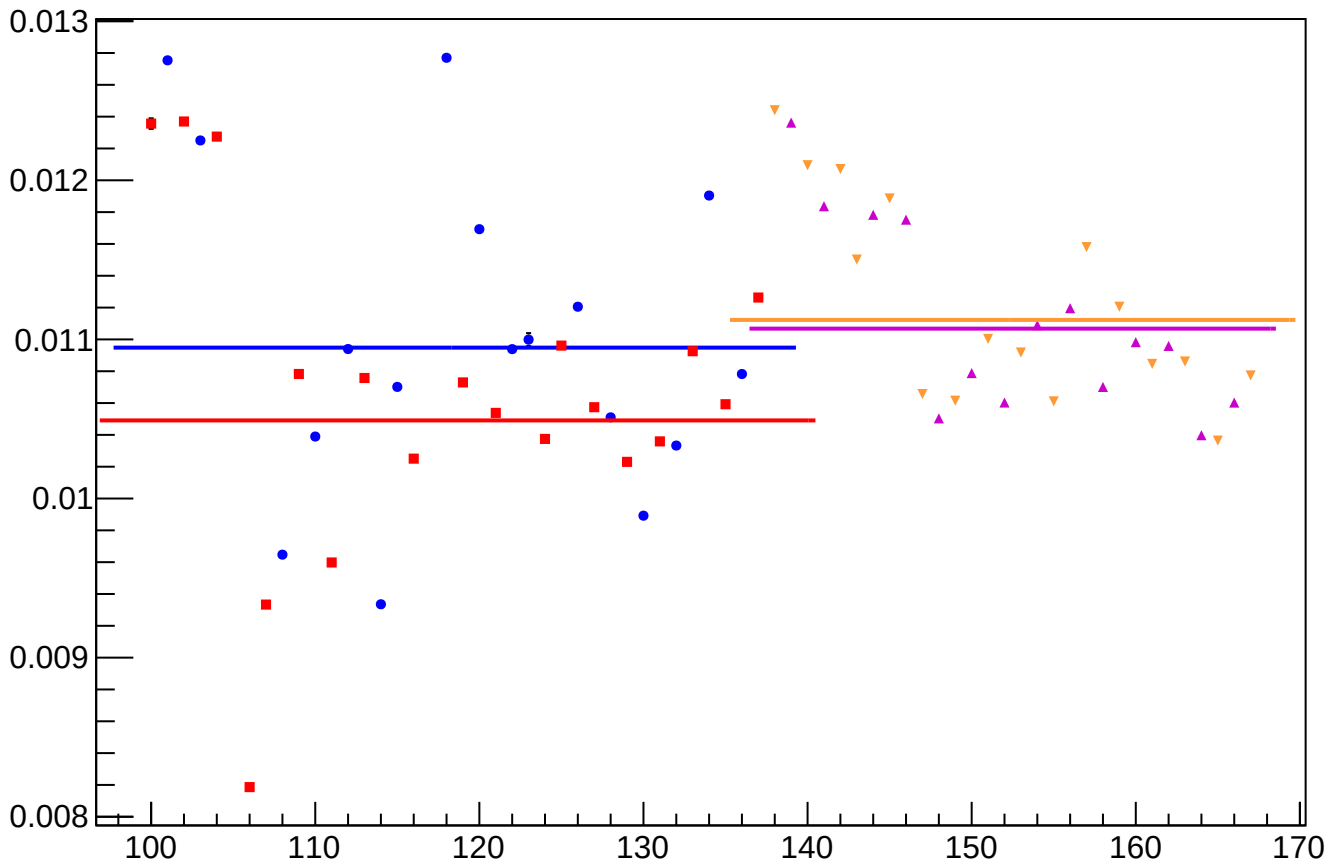
Left In: 0.459+/-0.000 χ^2/NDF : 6539058797.6/13

+ sign 0.570+/-0.000 χ^2/NDF : 12244274356.7/32

All: 0.581+/-0.000 χ^2/NDF : 22678864386.9/6

- sign 0.591+/-0.000 χ^2/NDF : 10401636263.6/32

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

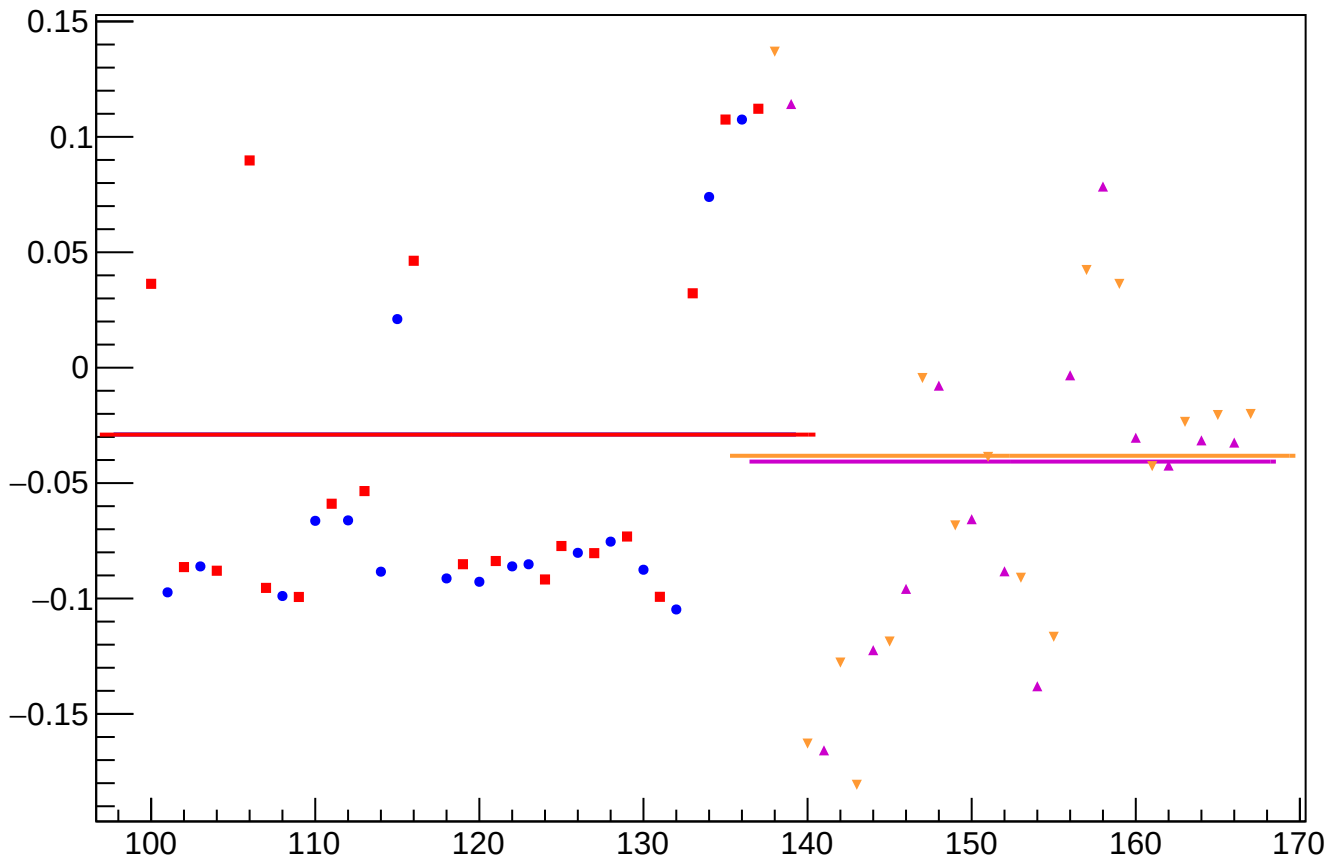
Left In: 0.011 ± 0.000 χ^2/NDF : 50119.2/13

+ sign 0.011 ± 0.000 χ^2/NDF : 160415.2/32

All: 0.011 ± 0.000 χ^2/NDF : 362076.5/65

- sign 0.011 ± 0.000 χ^2/NDF : 193516.5/32

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

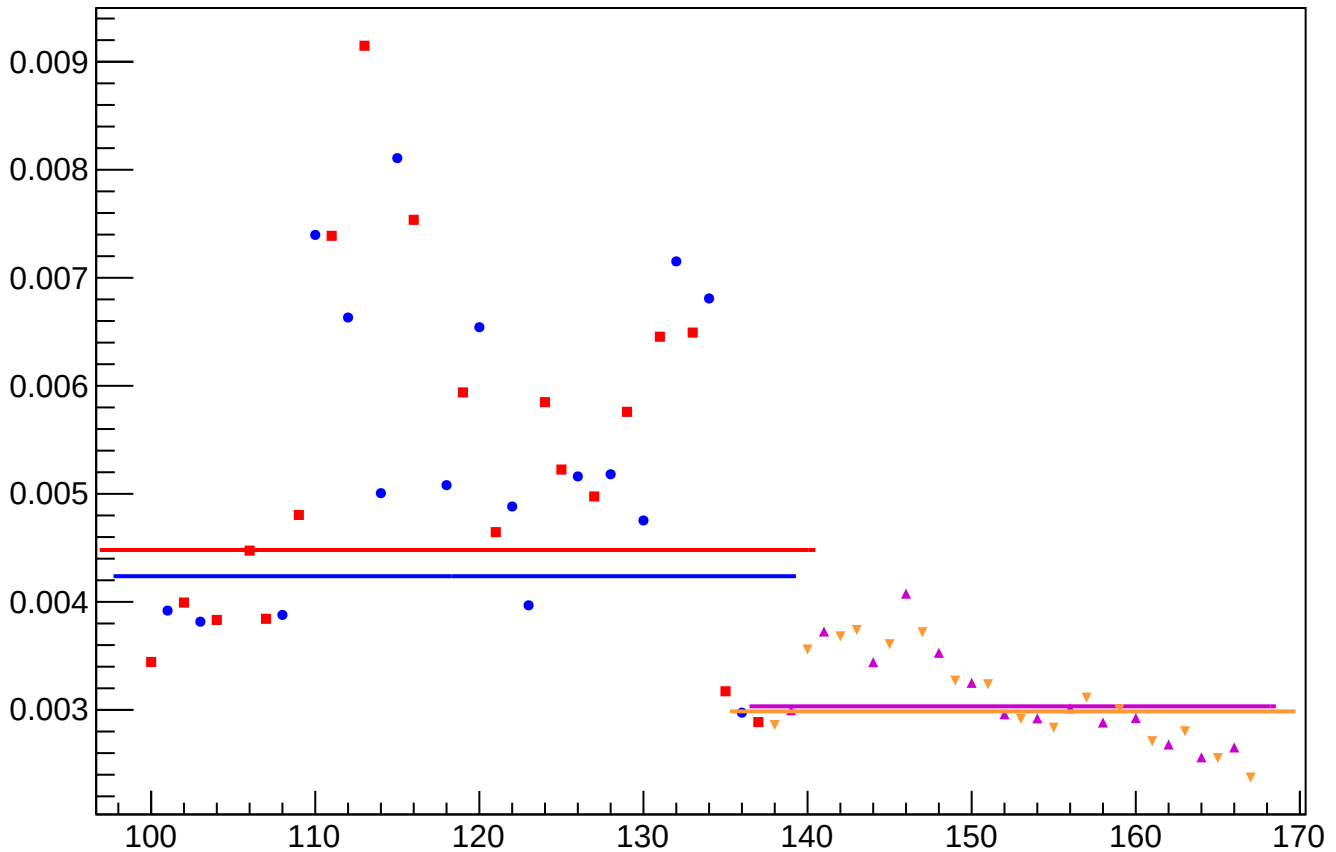
Left In: -0.041+/-0.000 χ^2/NDF : 5837501751.5/13

+ sign -0.036+/-0.000 χ^2/NDF : 9187711398.1/32

All: -0.037+/-0.000 χ^2/NDF : 17172497511.6

- sign -0.038+/-0.000 χ^2/NDF : 7982209189.7/32

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

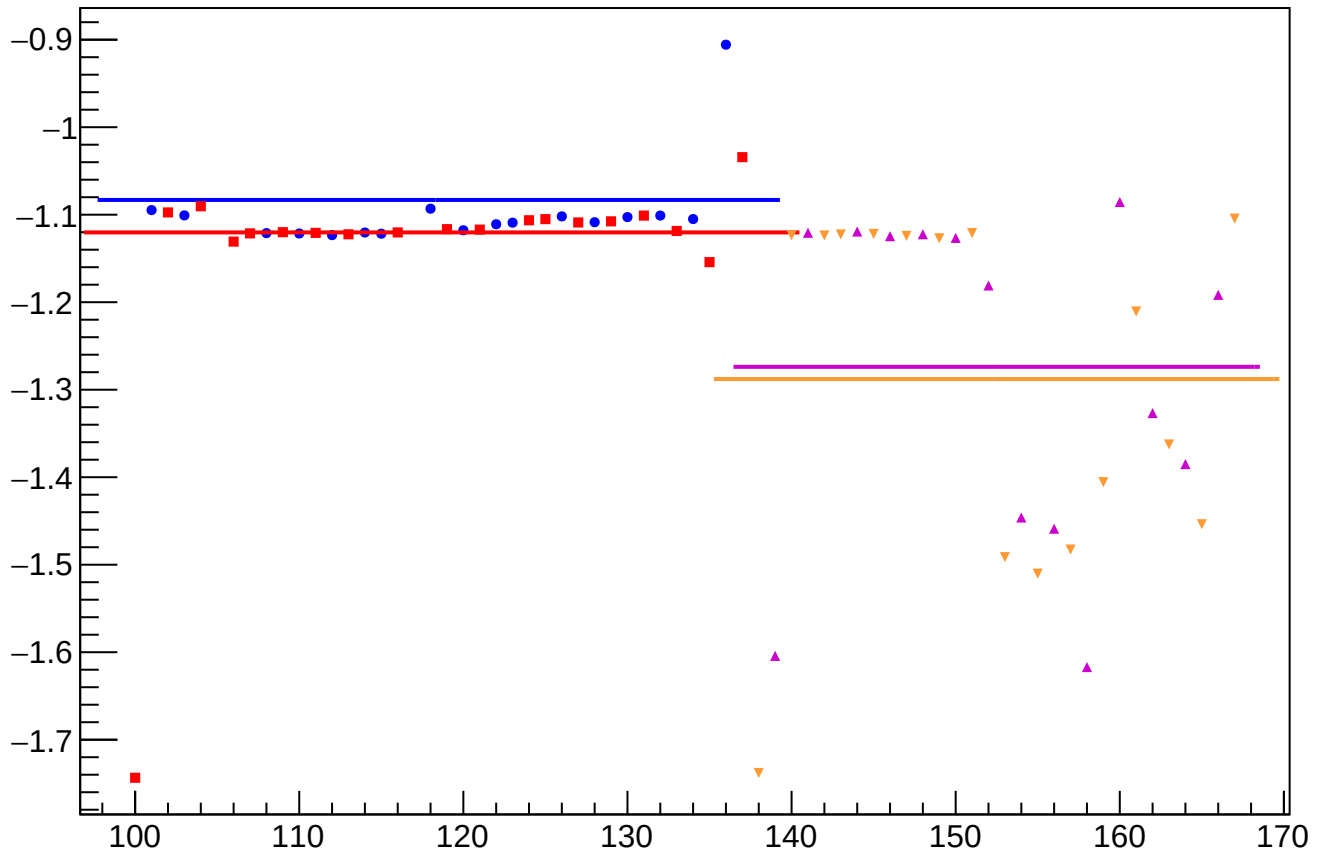
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:294066.6/13

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2040150.3/32

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4295509.9/65

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2239929.0/32

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

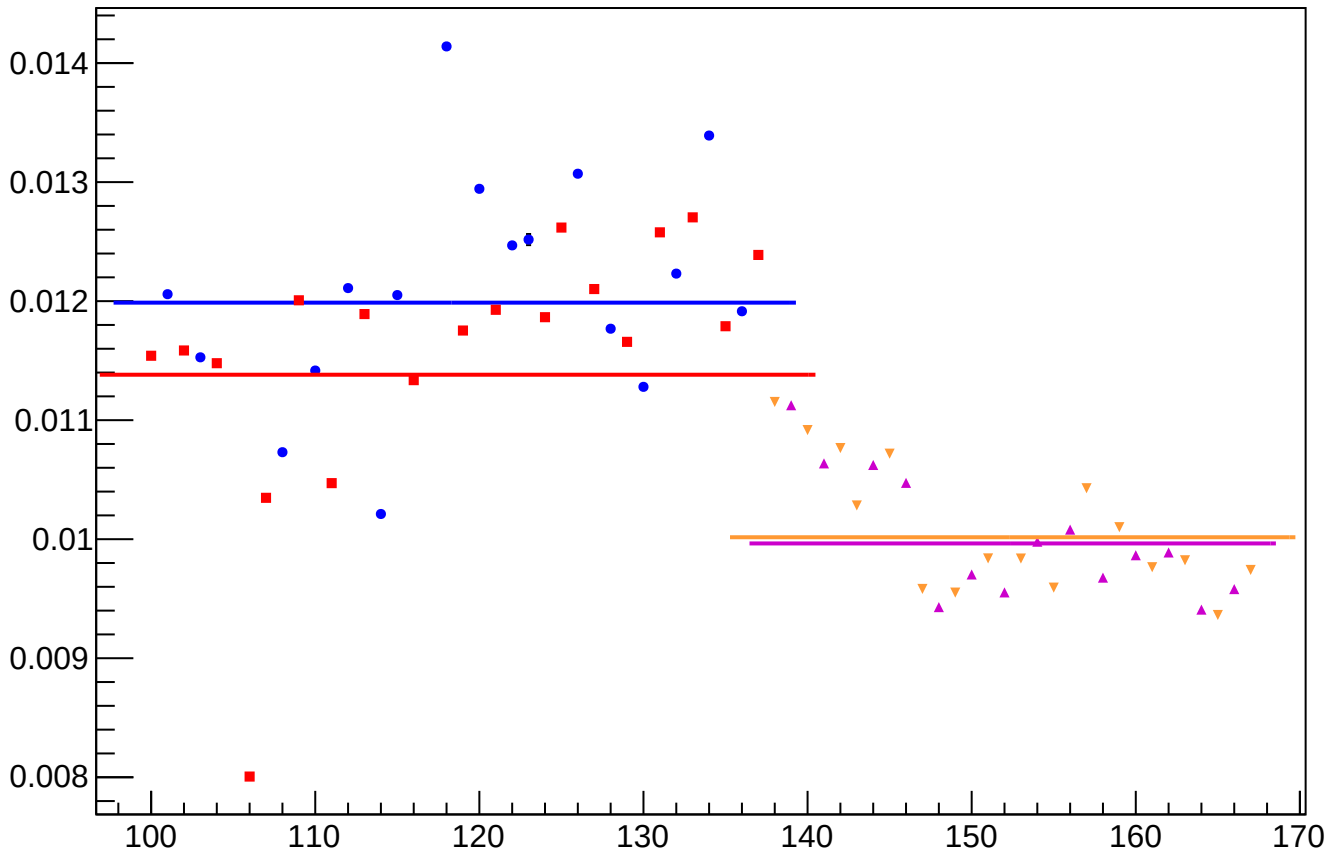
Left In: -1.274+/-0.000 χ^2/NDF : 3473896398.9/13

+ sign -1.230+/-0.000 χ^2/NDF : 5593795168.1/32

All: -1.226+/-0.000 χ^2/NDF : 10122333435.3/32

- sign -1.222+/-0.000 χ^2/NDF : 4524017540.1/32

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

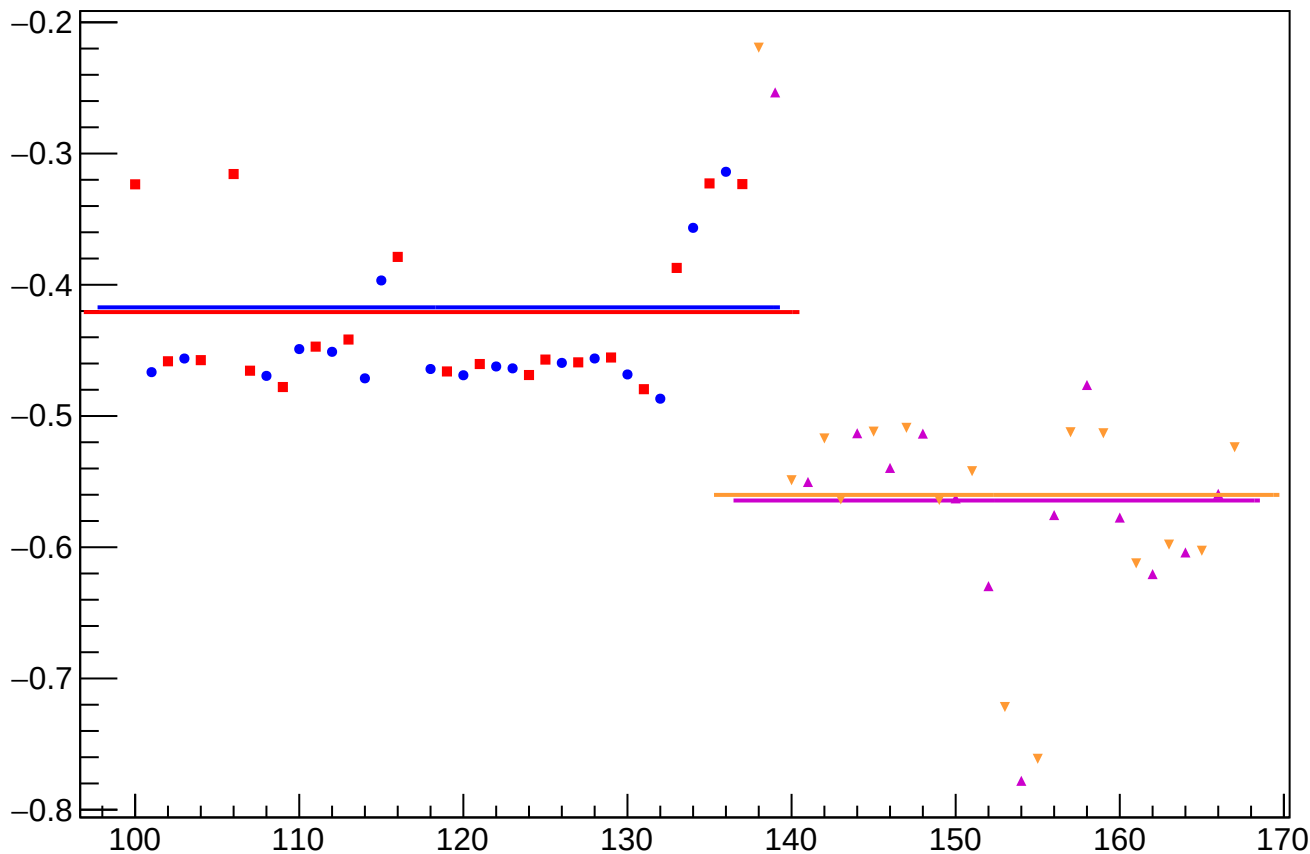
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:47605.3/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 367173.8/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 713441.9/65

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 343408.2/32

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

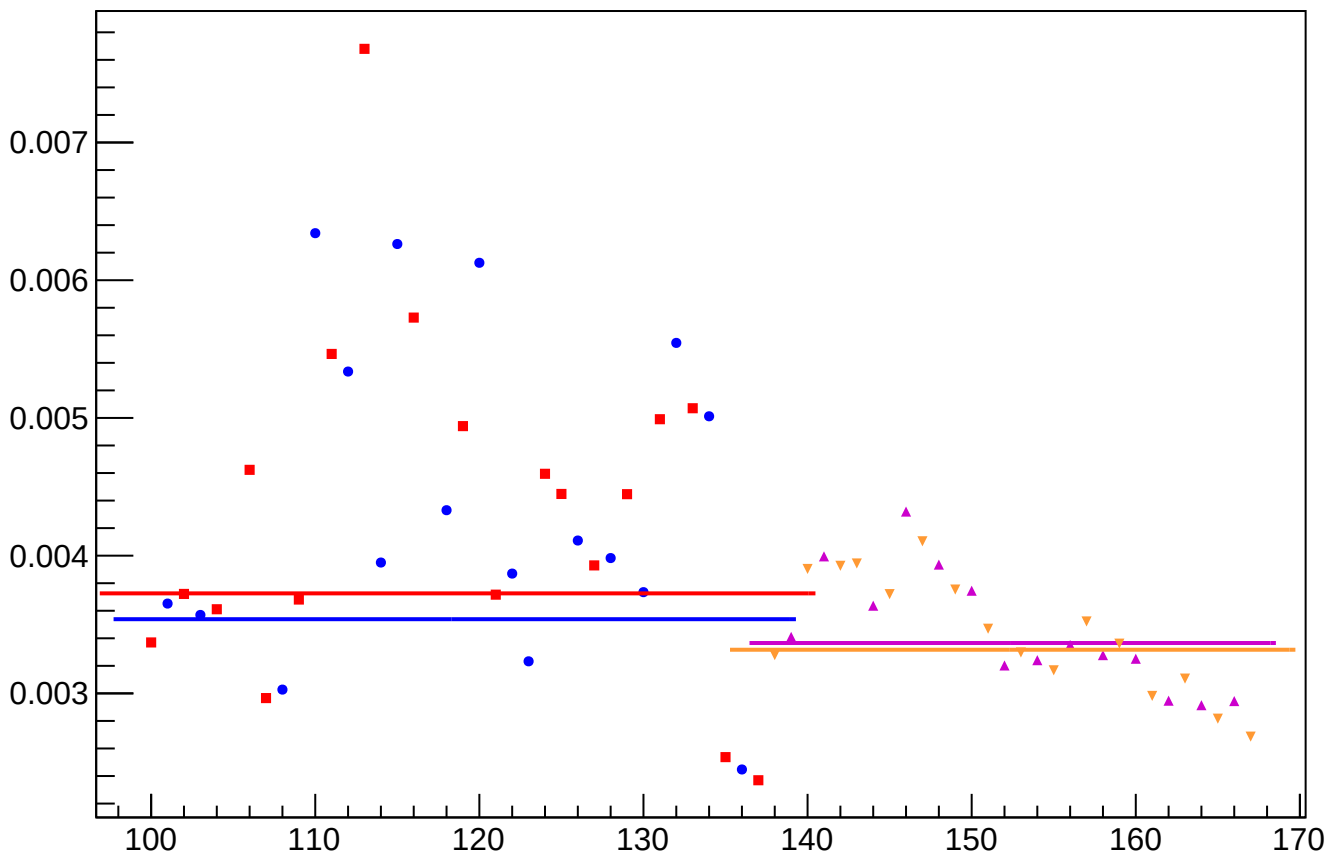
Left In: -0.564+/-0.000 χ^2/NDF : 10406950761.5/13

+ sign -0.517+/-0.000 χ^2/NDF : 21444967354.8/32

All: -0.517+/-0.000 χ^2/NDF : 39377233089.5

- sign -0.518+/-0.000 χ^2/NDF : 17931183925.2/32

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

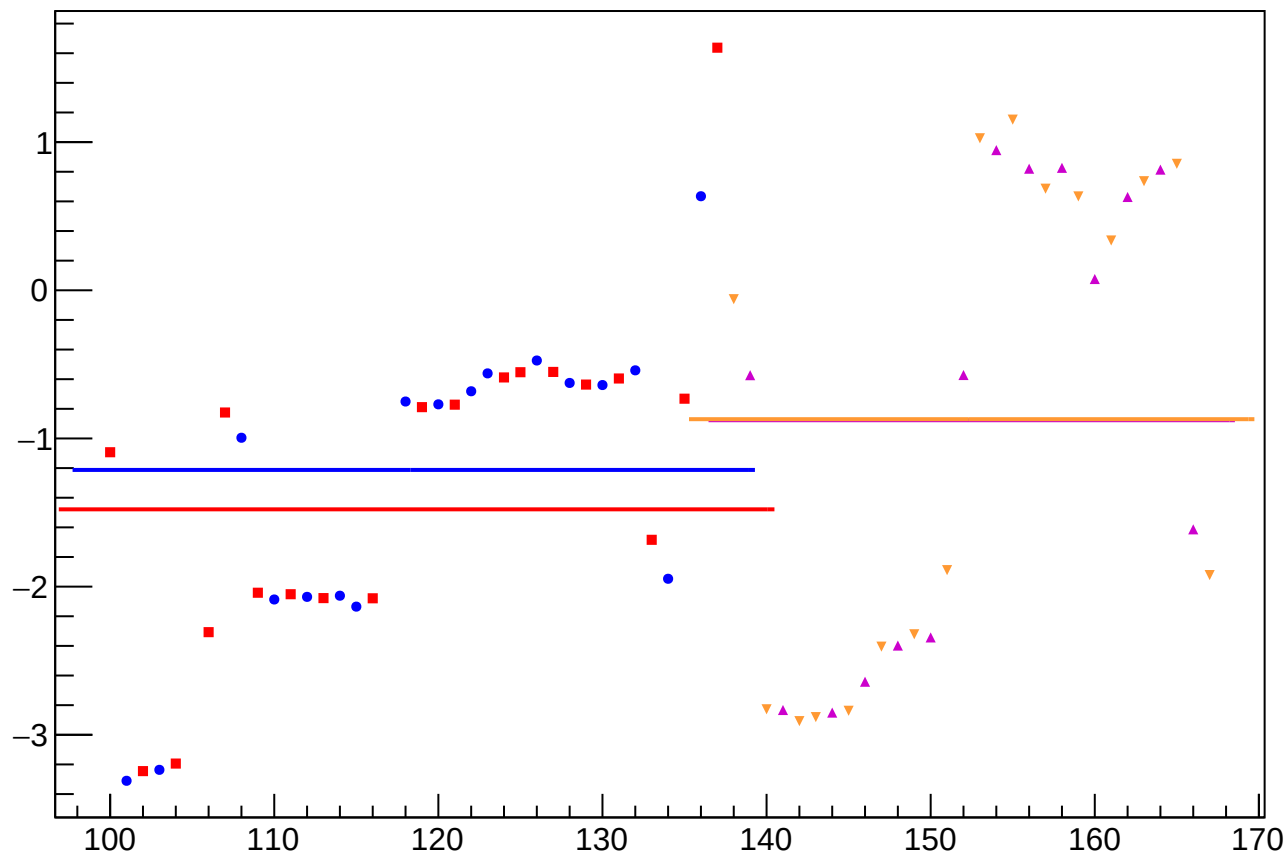
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:246317.7/13

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1192999.6/32

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2424941.6/65

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1218814.1/32

yield_bpm0r03X_mean vs Slug



Right In: -1.212 $\pm$ 0.000 χ^2 /NDF: 1992853443.9/16

Left Out: -0.870 $\pm$ 0.000 χ^2 /NDF: 5279145426.7/15

Right Out: -1.478 $\pm$ 0.000 χ^2 /NDF: 1578264383.8/18

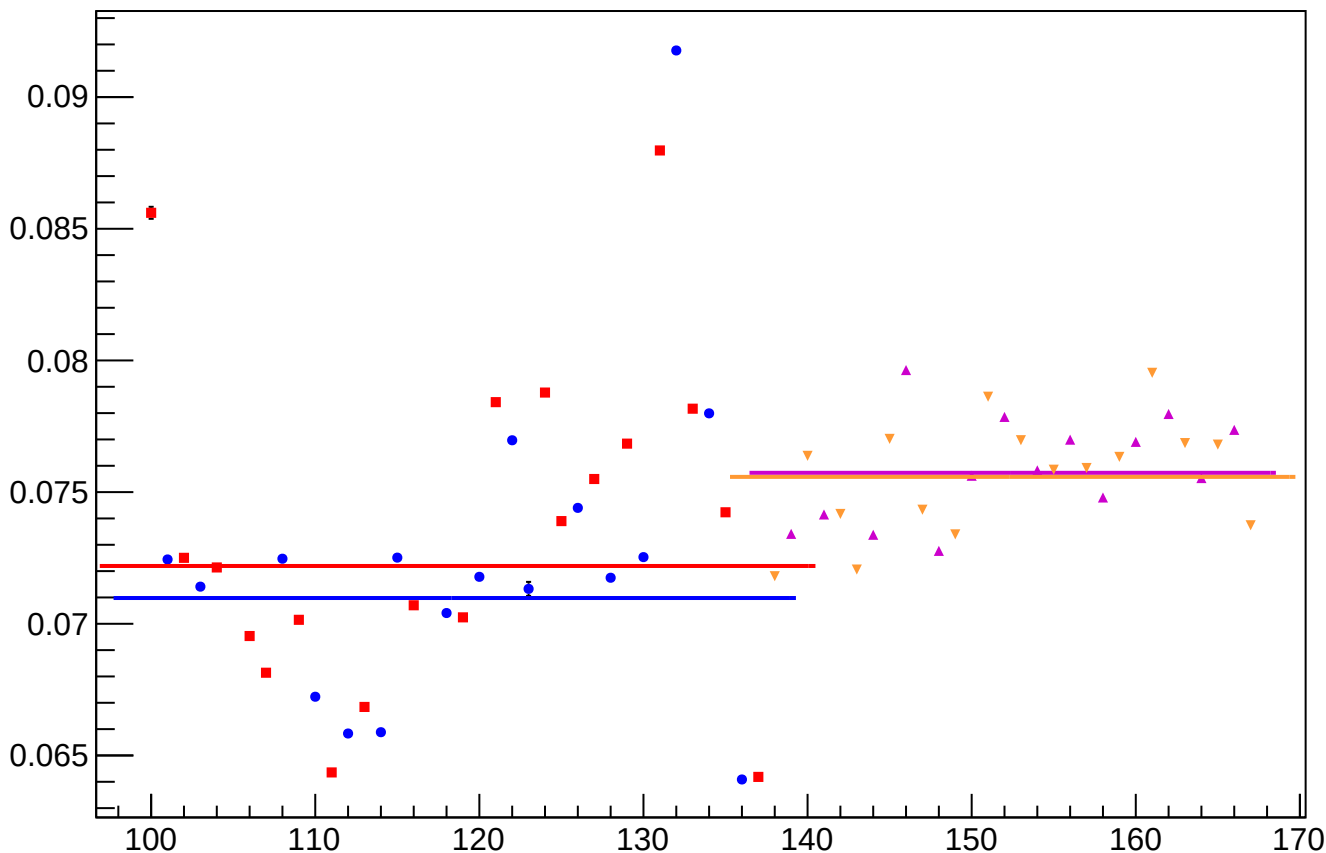
Left In: -0.877 $\pm$ 0.000 χ^2 /NDF: 4250887926.5/13

+ sign -1.003 $\pm$ 0.000 χ^2 /NDF: 7365408683.4/32

All: -1.065 $\pm$ 0.000 χ^2 /NDF: 13500894546.1/32

- sign -1.129 $\pm$ 0.000 χ^2 /NDF: 6109708414.9/32

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

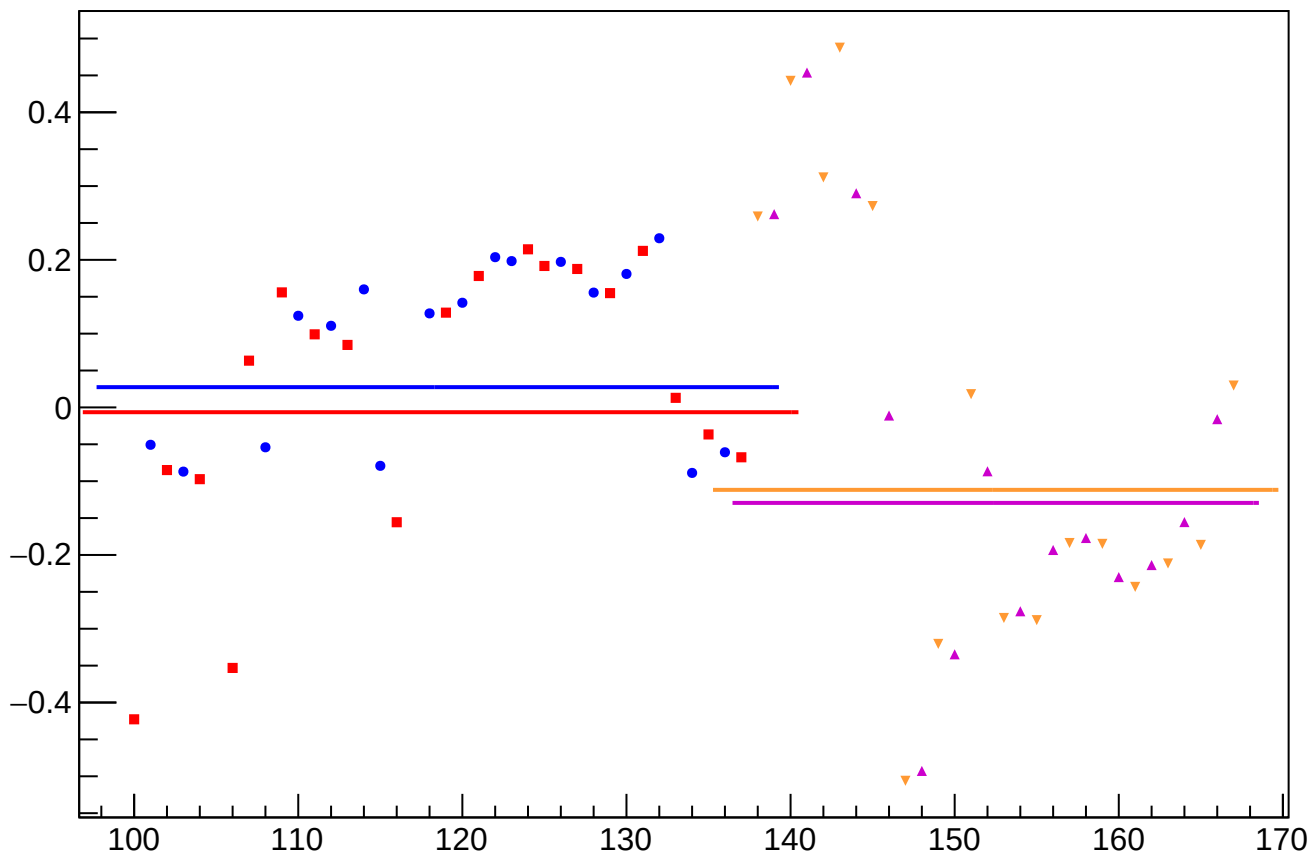
Left In: 0.076+/-0.000 χ^2/NDF : 13948.0/13

+ sign 0.074+/-0.000 χ^2/NDF : 129846.1/32

All: 0.074+/-0.000 χ^2/NDF : 237138.2/65

- sign 0.074+/-0.000 χ^2/NDF : 106590.3/32

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

+ sign -0.092+/-0.000 χ^2/NDF : 15575203185.8/32

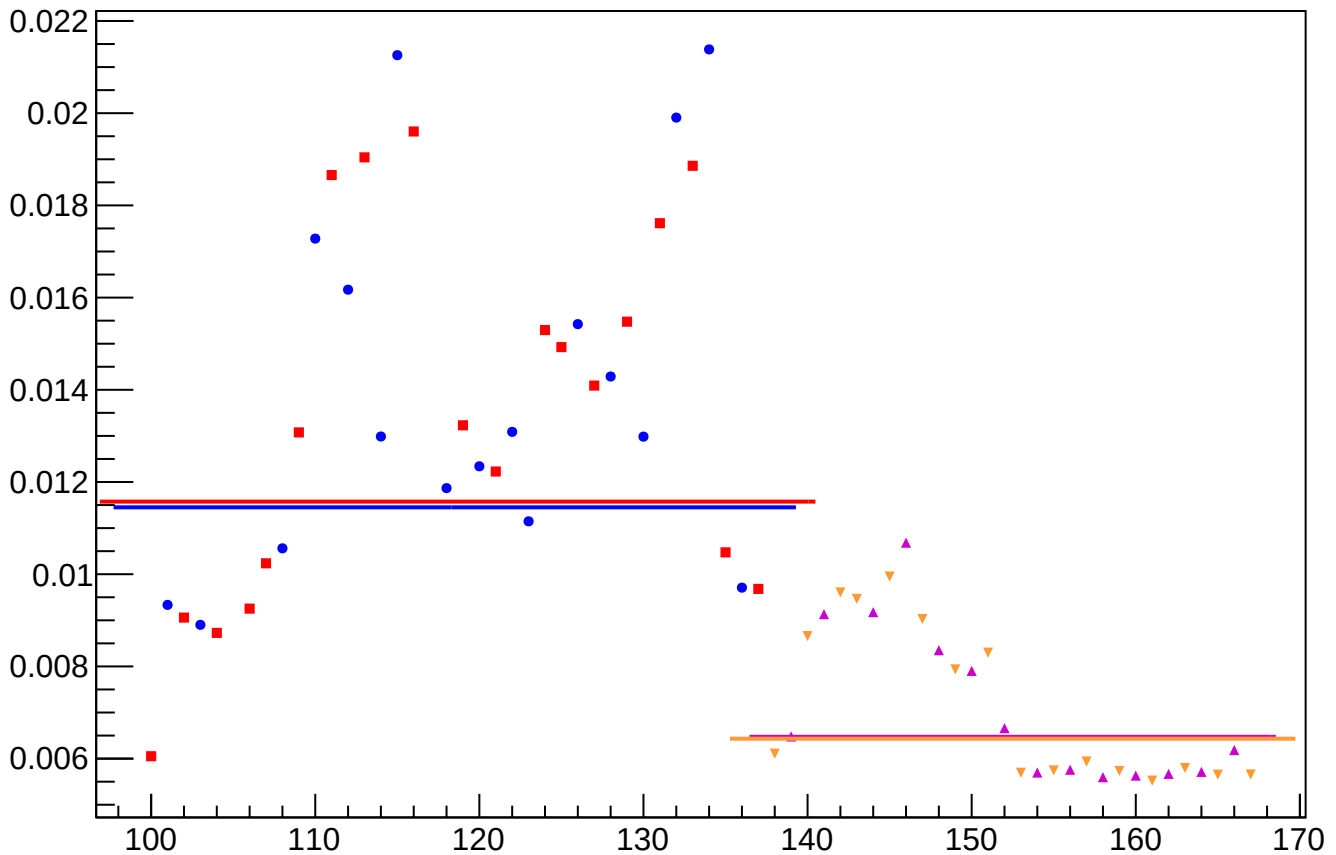
Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

All: -0.100+/-0.000 χ^2/NDF : 27772802910.7/32

- sign -0.110+/-0.000 χ^2/NDF : 12149255361.3/32

Left In: -0.129+/-0.000 χ^2/NDF : 10387194593.3/13

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

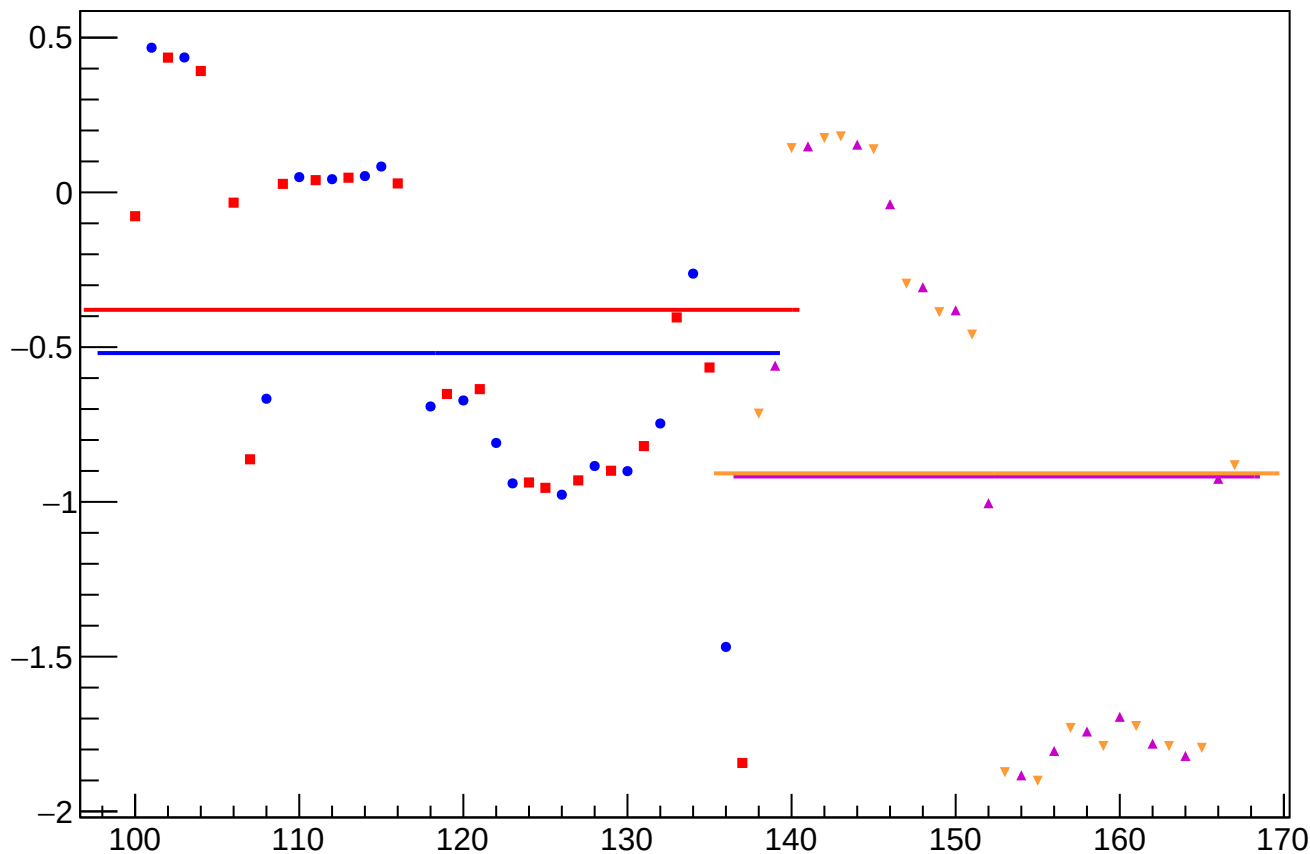
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 780311.3/13

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3473244.4/32

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7193884.2/65

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3715983.5/32

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

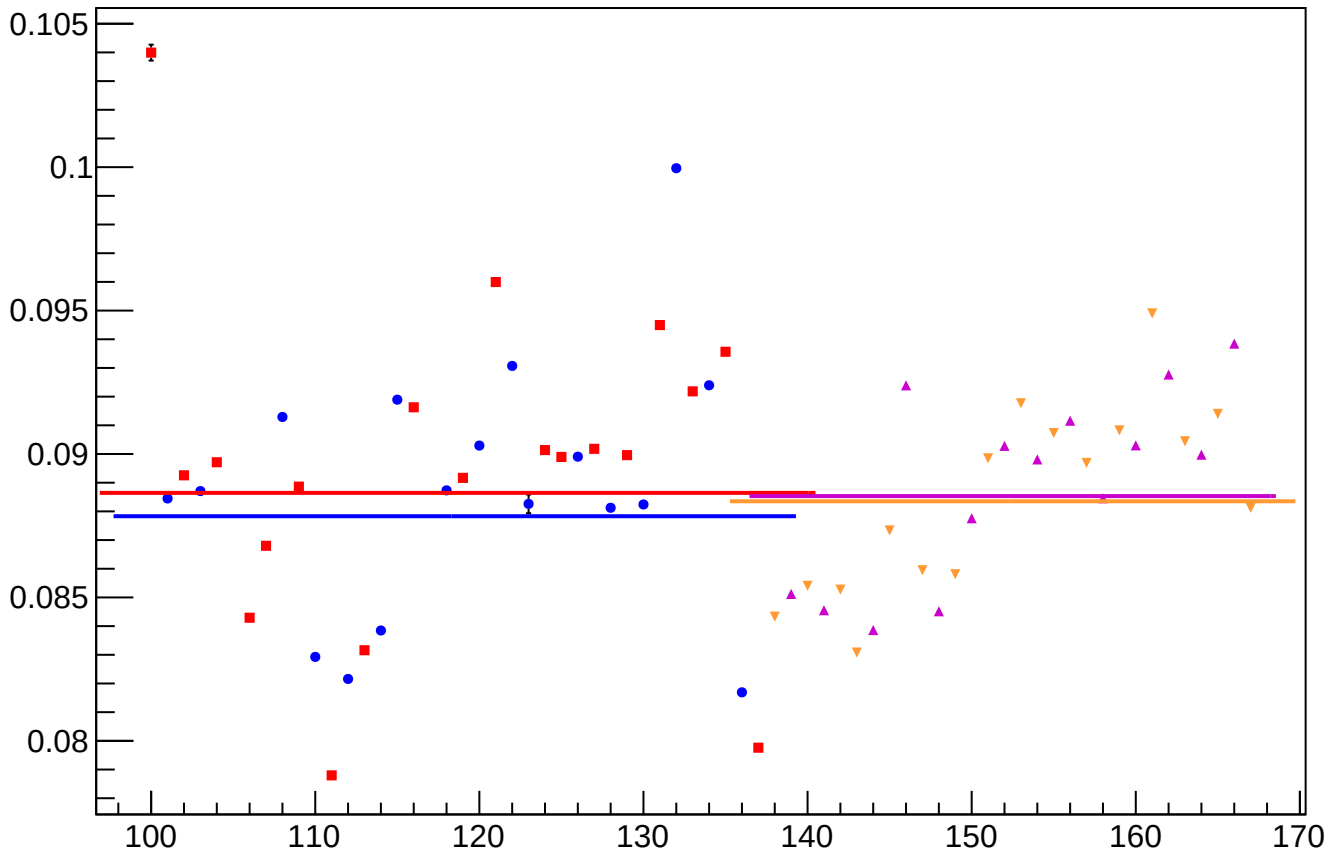
Left In: -0.918+/-0.000 χ^2/NDF : 855521134.7/13

+ sign -0.766+/-0.000 χ^2/NDF : 1433523526.7/32

All: -0.736+/-0.000 χ^2/NDF : 2720006666.4/6

- sign -0.704+/-0.000 χ^2/NDF : 1282000793.6/32

yield_bpm0r05X_rms vs Slug



Right In: 0.088 ± 0.000 $\chi^2/\text{NDF}: 34954.4/16$

Left Out: 0.088 ± 0.000 $\chi^2/\text{NDF}: 29373.2/15$

Right Out: 0.089 ± 0.000 $\chi^2/\text{NDF}: 39722.9/18$

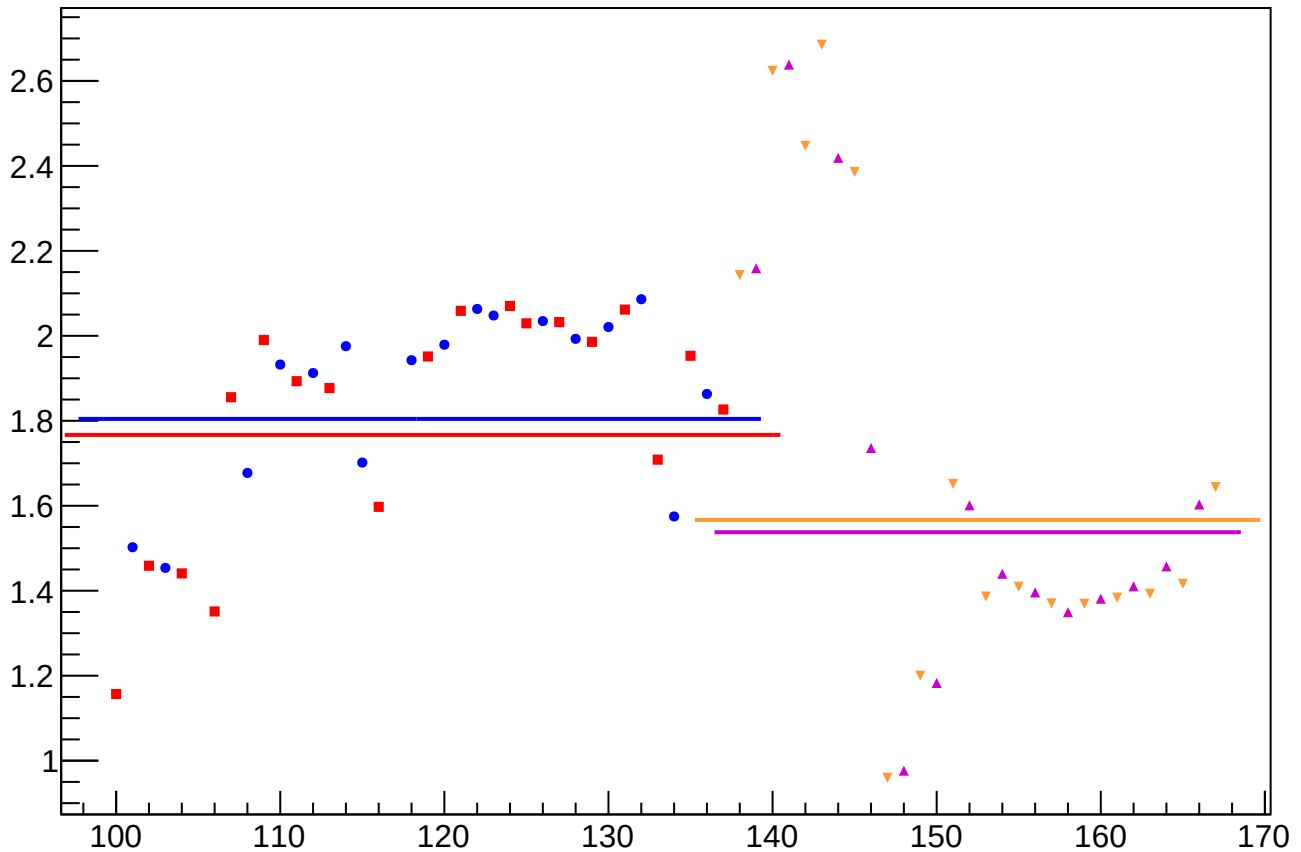
Left In: 0.089 ± 0.000 $\chi^2/\text{NDF}: 27507.1/13$

+ sign 0.088 ± 0.000 $\chi^2/\text{NDF}: 64626.4/32$

All: 0.088 ± 0.000 $\chi^2/\text{NDF}: 132270.4/65$

- sign 0.089 ± 0.000 $\chi^2/\text{NDF}: 67243.7/32$

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

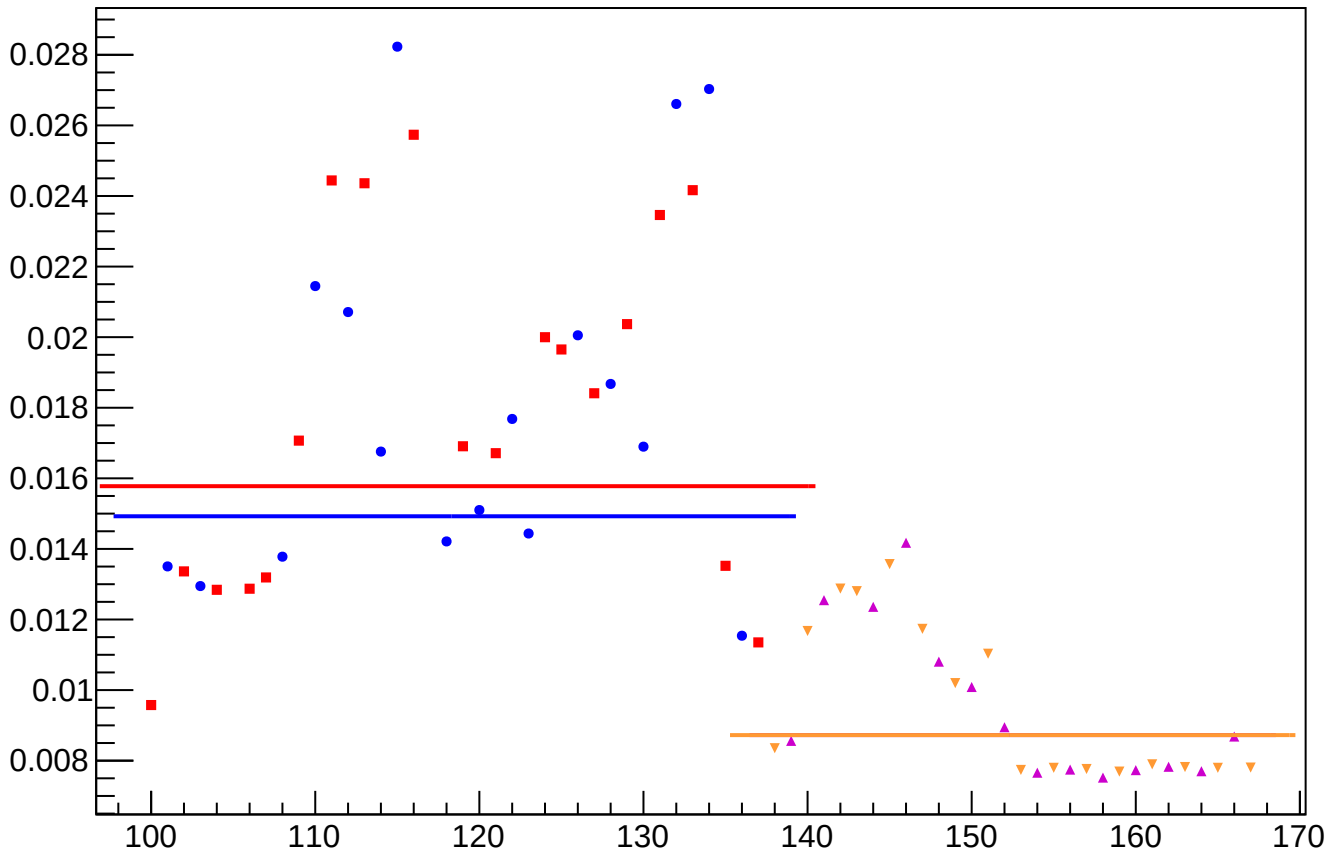
Left In: 1.538 $\pm$ 0.000 χ^2 /NDF: 17900105005.3/13

+ sign 1.603 $\pm$ 0.000 χ^2 /NDF: 25713120954.5/32

All: 1.589 $\pm$ 0.000 χ^2 /NDF: 46463951691.4/6

- sign 1.574 $\pm$ 0.000 χ^2 /NDF: 20681354628.3/32

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

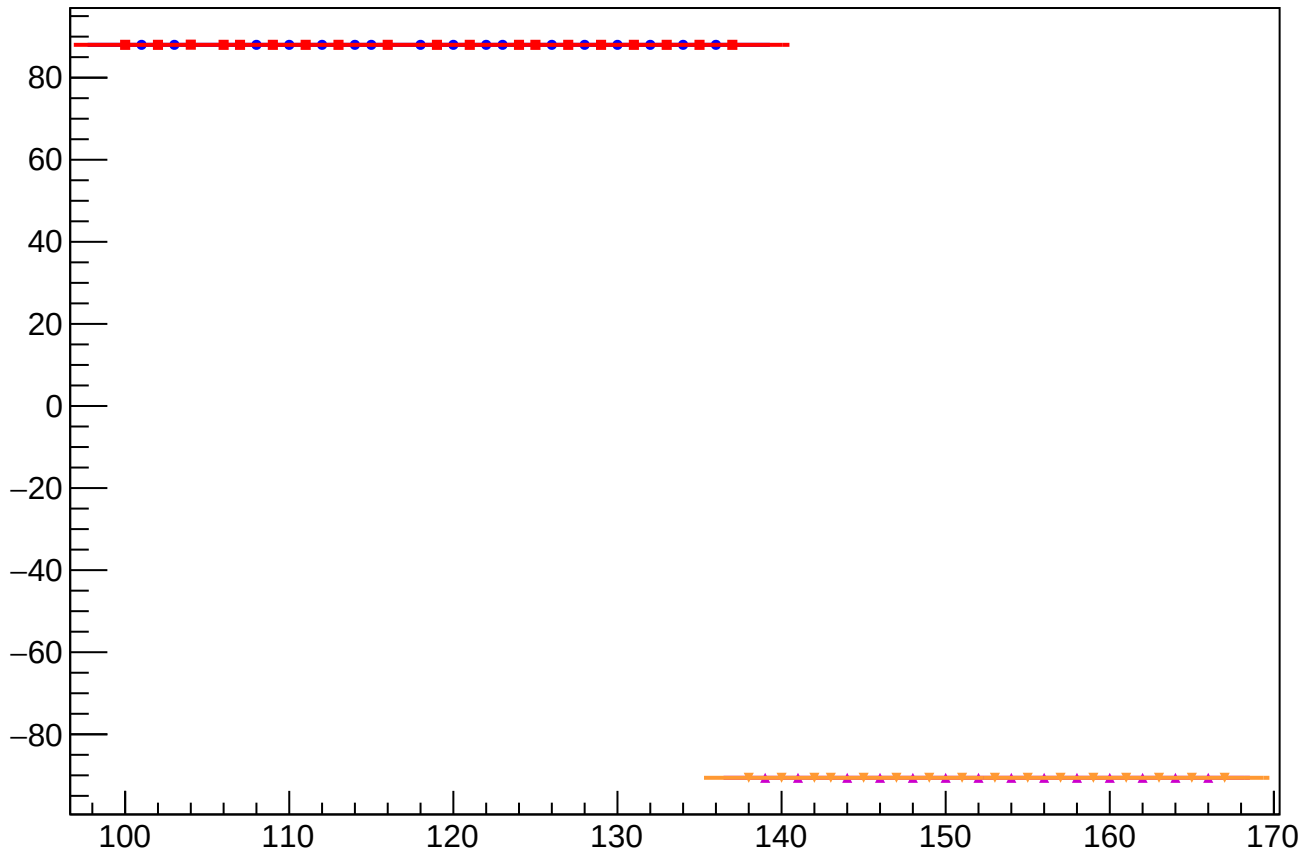
Left In: 0.009+/-0.000 χ^2/NDF : 723934.8/13

+ sign 0.010+/-0.000 χ^2/NDF : 3154109.5/32

All: 0.010+/-0.000 χ^2/NDF : 6701589.9/65

- sign 0.010+/-0.000 χ^2/NDF : 3543447.8/32

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

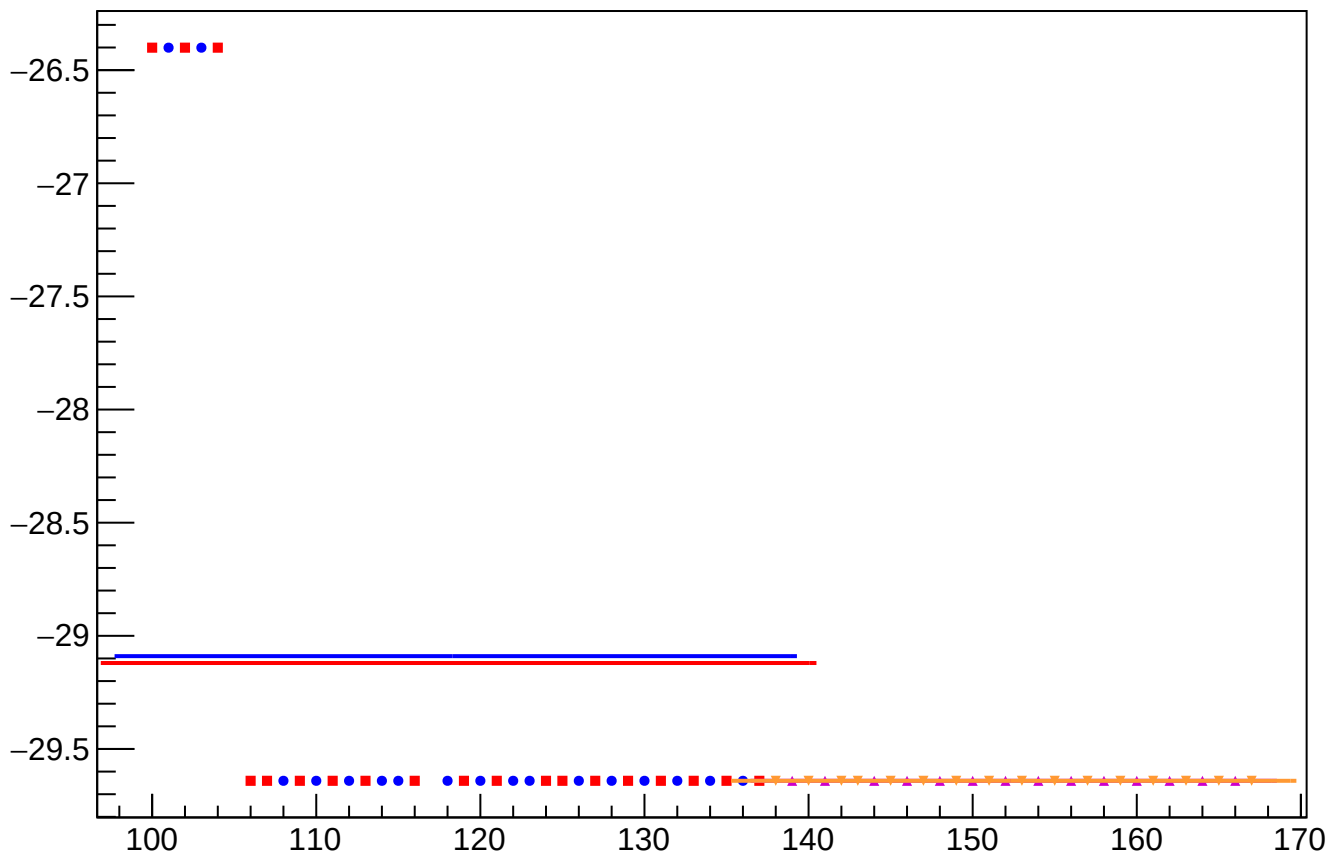
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5230665.3/13

+ sign -26.177 $\pm$ 0.000 χ^2 /NDF: 141521500079001

All: -23.428 $\pm$ 0.000 χ^2 /NDF: 281806680934

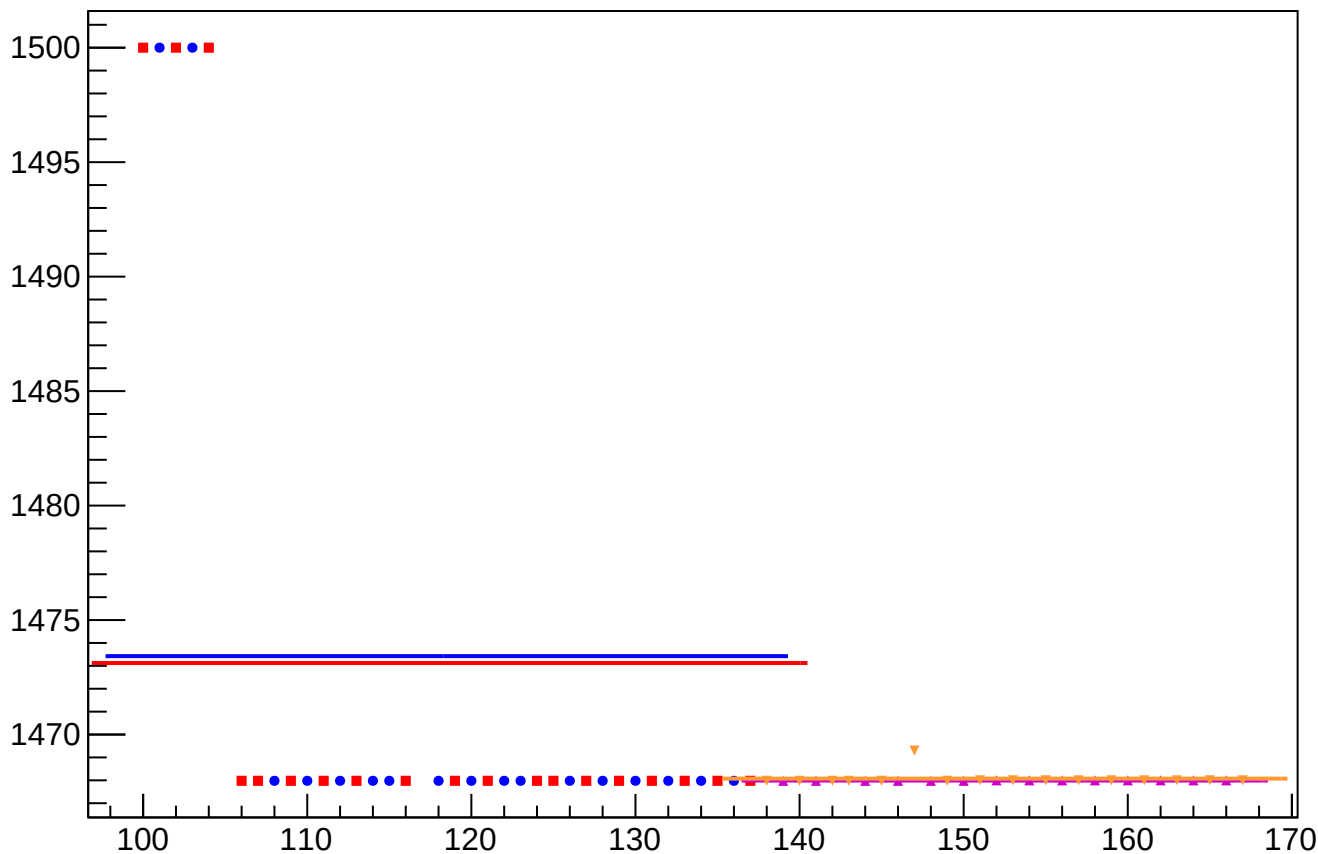
- sign -20.555 $\pm$ 0.000 χ^2 /NDF: 1399878367177693

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: -29.439+/-0.000 χ^2/NDF : 230376732812
 Left In: -29.641+/-0.000 χ^2/NDF : 135154.0/13 - sign -29.437+/-0.000 χ^2/NDF : 1140993894622467

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

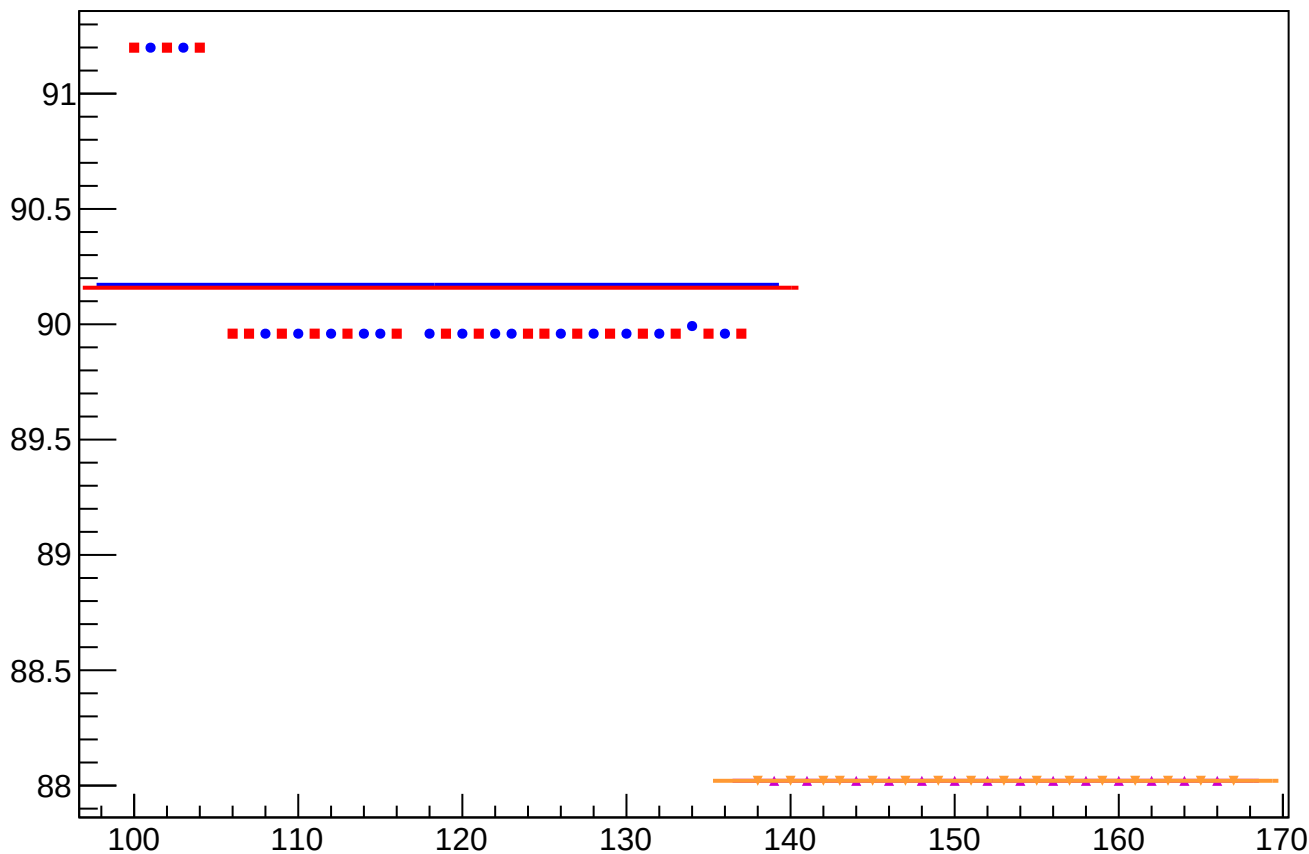
Left In: 1467.990+/-0.000 χ^2/NDF : 110676675579648352636117188608.0/13

All: 1470.004+/-0.000 χ^2/NDF : 22464016960.0/17

+ sign 1470.004+/-0.000 χ^2/NDF : 11324141380811.0/16

- sign 1470.004+/-0.000 χ^2/NDF : 11139875556441.0/16

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

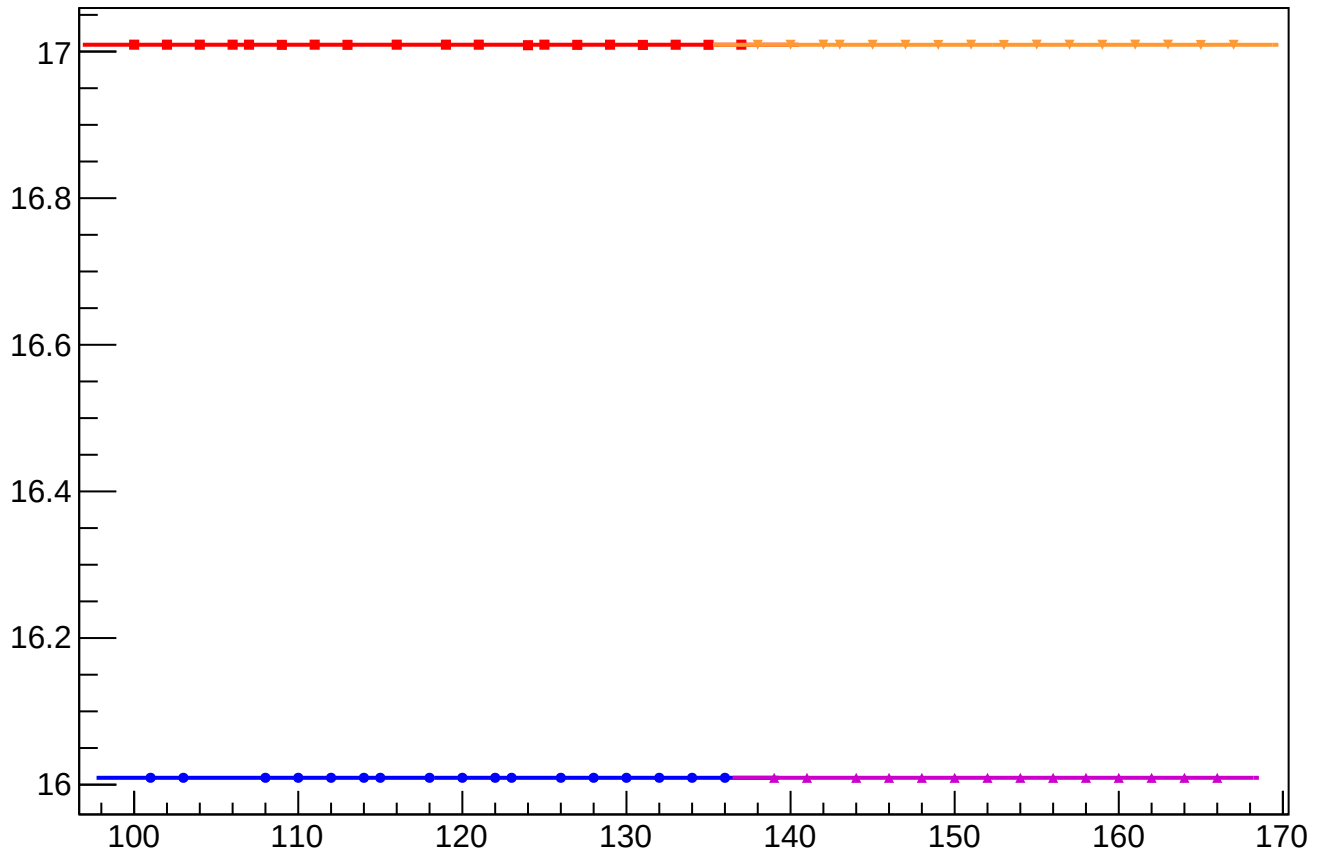
Left In: 88.021+/-0.000 χ^2/NDF : 4964295.4/13

+ sign 88.796+/-0.000 χ^2/NDF : 2201998413140175

All: 88.827+/-0.000 χ^2/NDF : 4361055098477

- sign 88.859+/-0.000 χ^2/NDF : 2155354510185917

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 17772868462055089518936064.0/15

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 12516014336037541461884928.0/18

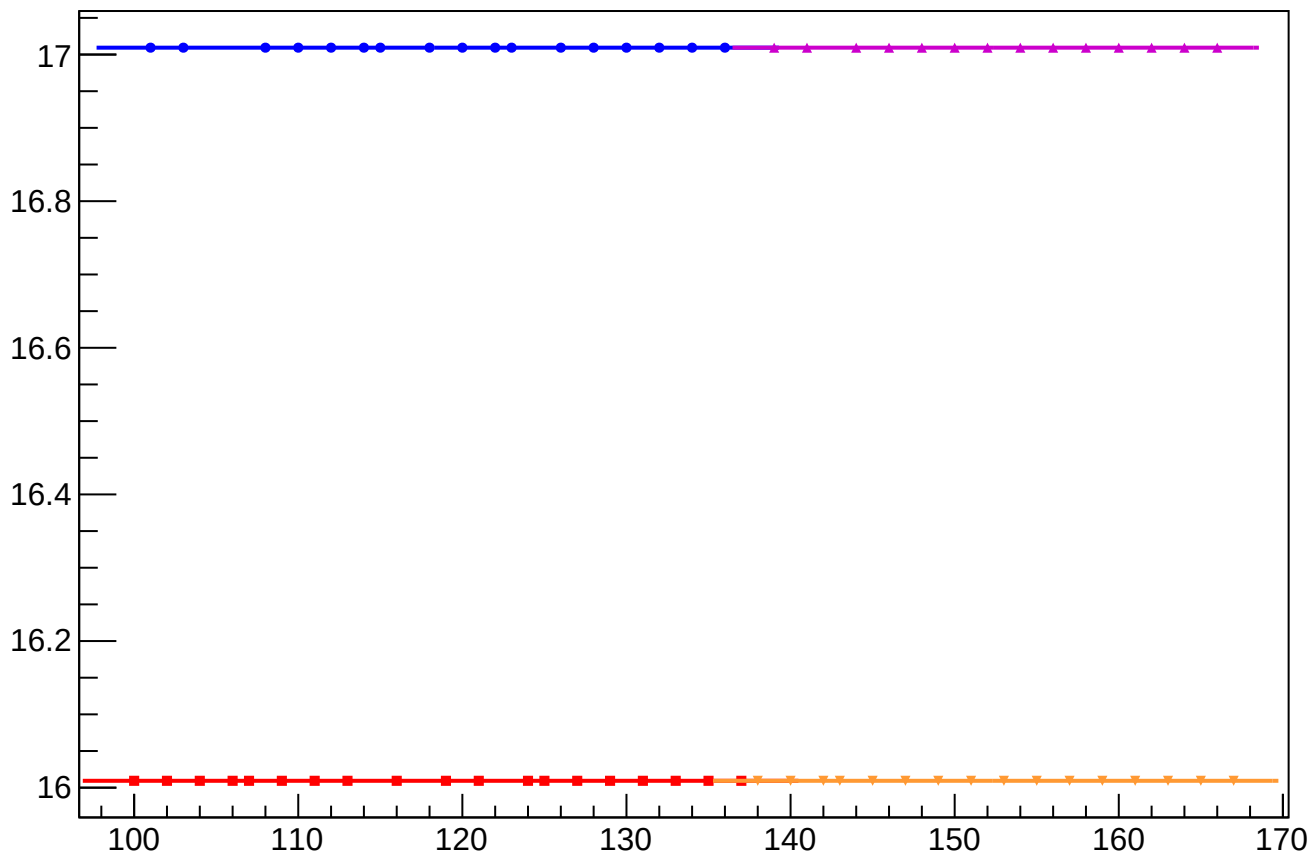
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 72676.2/13

+ sign 16.639 $\pm$ 0.000 χ^2/NDF : 4169103923780959

All: 16.520 $\pm$ 0.000 χ^2/NDF : 8708641943149

- sign 16.395 $\pm$ 0.000 χ^2/NDF : 4018846025998673

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 89602.0/15

Right Out: 16.009 $\pm$ 0.000 χ^2/NDF : 39518.8/18

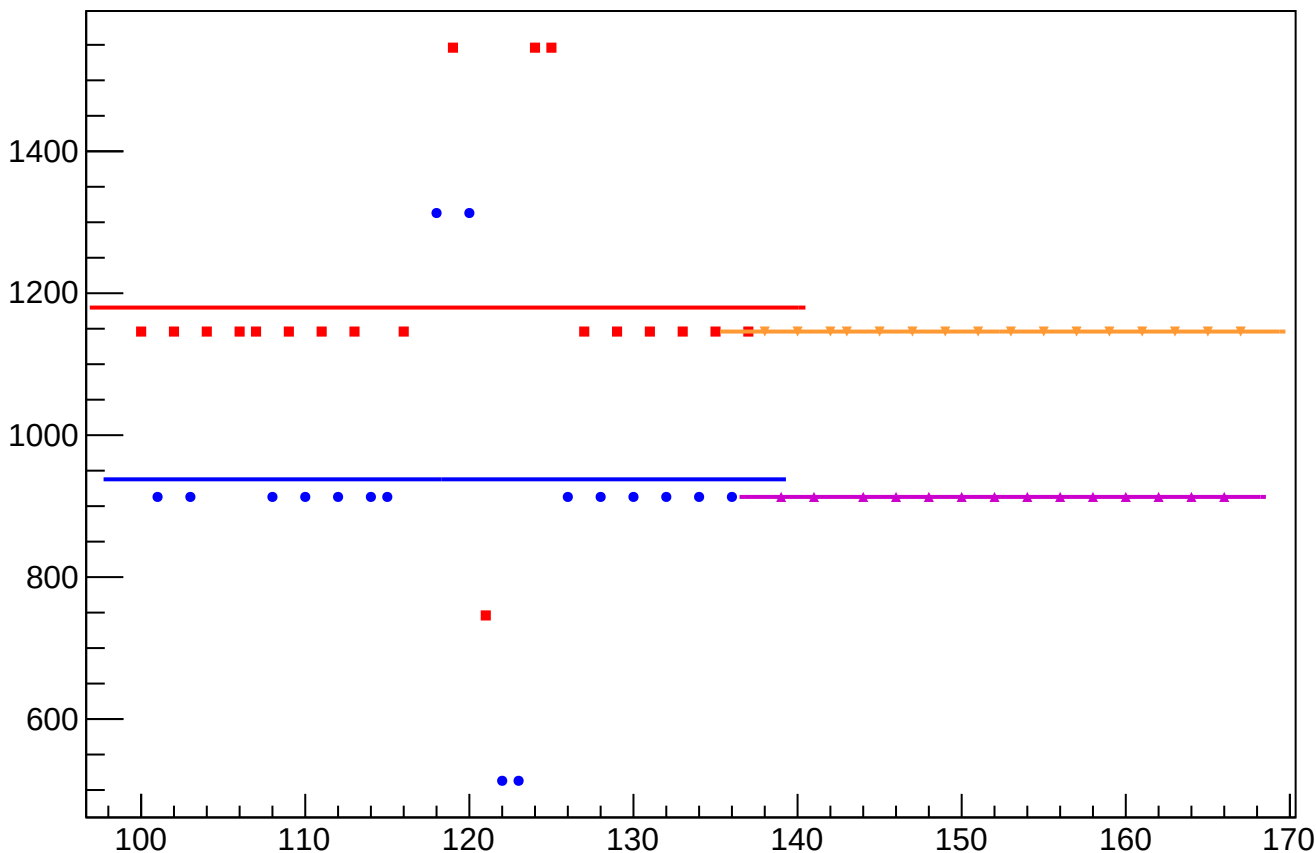
Left In: 17.009 $\pm$ 0.000 χ^2/NDF : 37941.1/13

+ sign 16.361 $\pm$ 0.000 χ^2/NDF : 4293864118895911

All: 16.486 $\pm$ 0.000 χ^2/NDF : 9224058950783

- sign 16.615 $\pm$ 0.000 χ^2/NDF : 4331780595368981

epics_RTPAPOSUCNTs_mean vs Slug



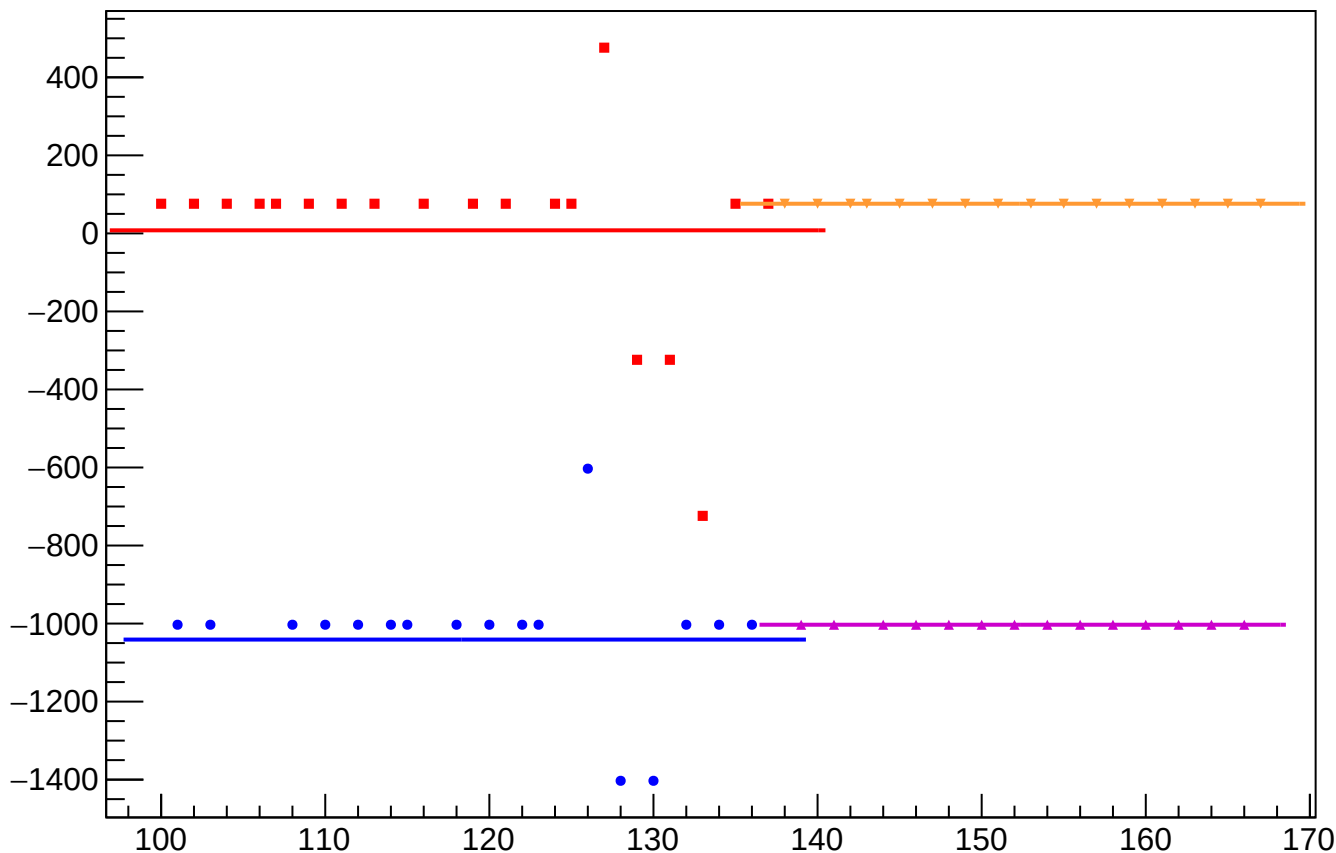
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

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: 912.994+/-0.000 χ^2/NDF : 17953035482576296966491209728.0/13

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 : 1823351229932920573165305856.0/13