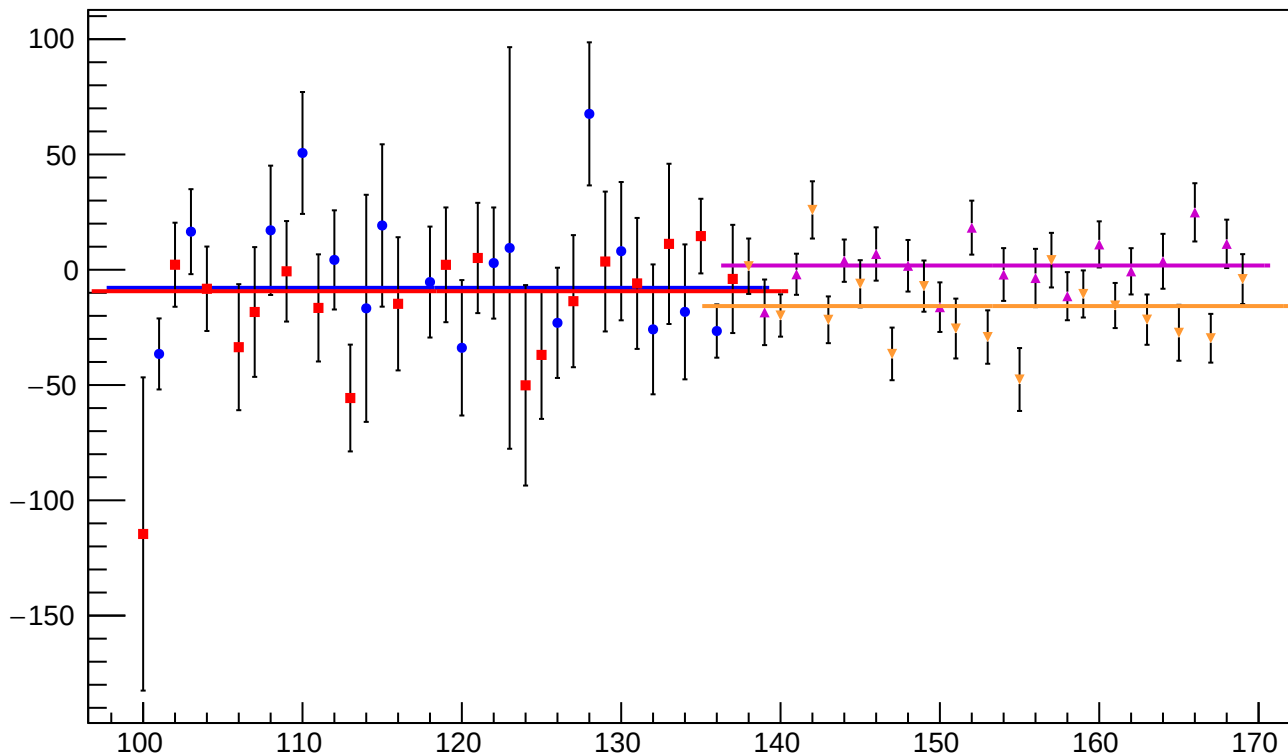


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -15.754 ± 2.682

χ^2/NDF : 33.3/16

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: 1.842 ± 2.815

χ^2/NDF : 14.2/14

+ sign -14.281 ± 2.420

χ^2/NDF : 57.5/33

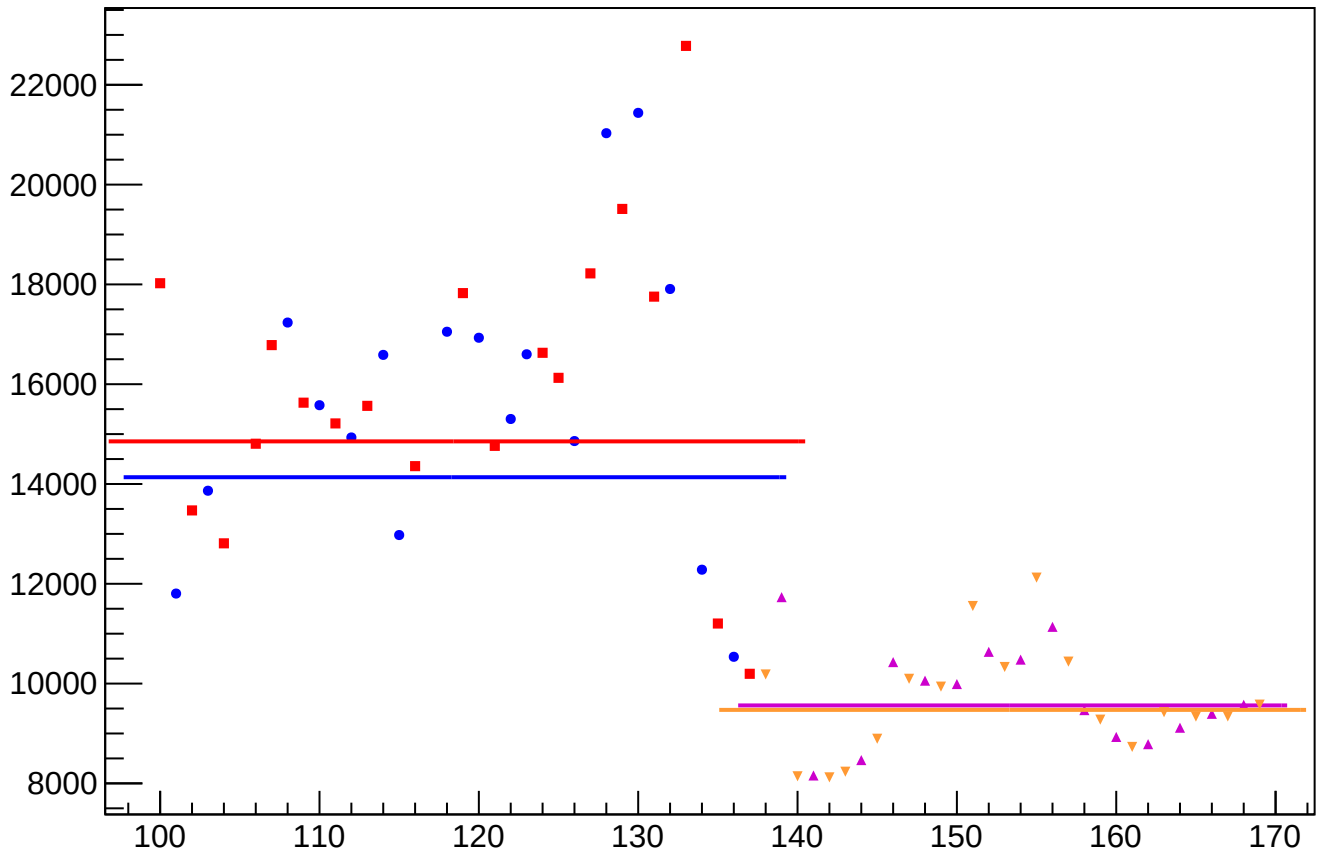
All: -7.607 ± 1.746

χ^2/NDF : 103.9/67

- sign -0.358 ± 2.522

χ^2/NDF : 30.6/33

diff_bpm4aX_rms vs Slug



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

Left Out: 9472.862+/-1.897 χ^2/NDF : 282948.4/16

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

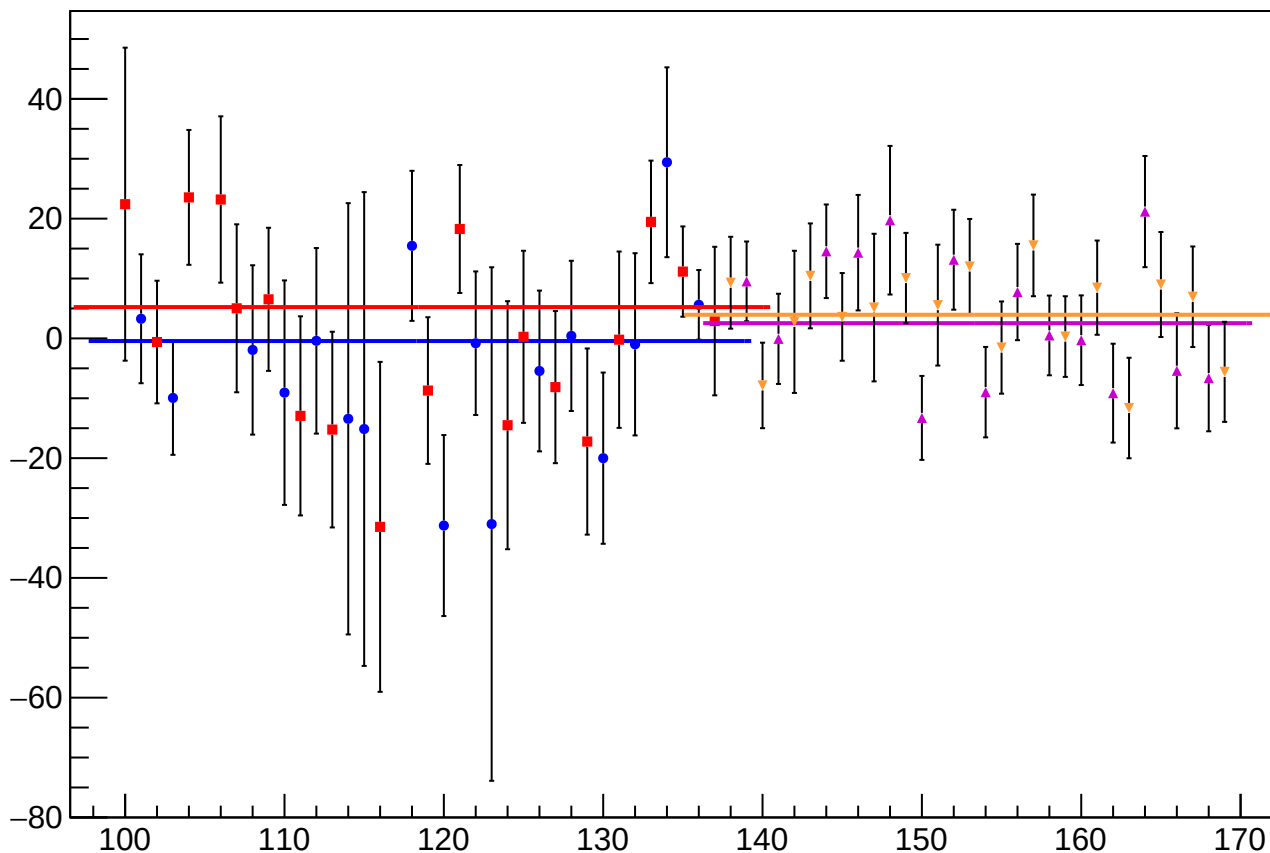
Left In: 9562.192+/-1.990 χ^2/NDF : 227045.7/14

+ sign 10340.947+/-1.711 χ^2/NDF : 2005300.9/33

All: 10468.208+/-1.235 χ^2/NDF : 4110698.6/6

- sign 10606.436+/-1.783 χ^2/NDF : 2093857.6/33

diff_bpm4aY_mean vs Slug



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

Left Out: 3.948 ± 2.001 χ^2/NDF : 13.7/16

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

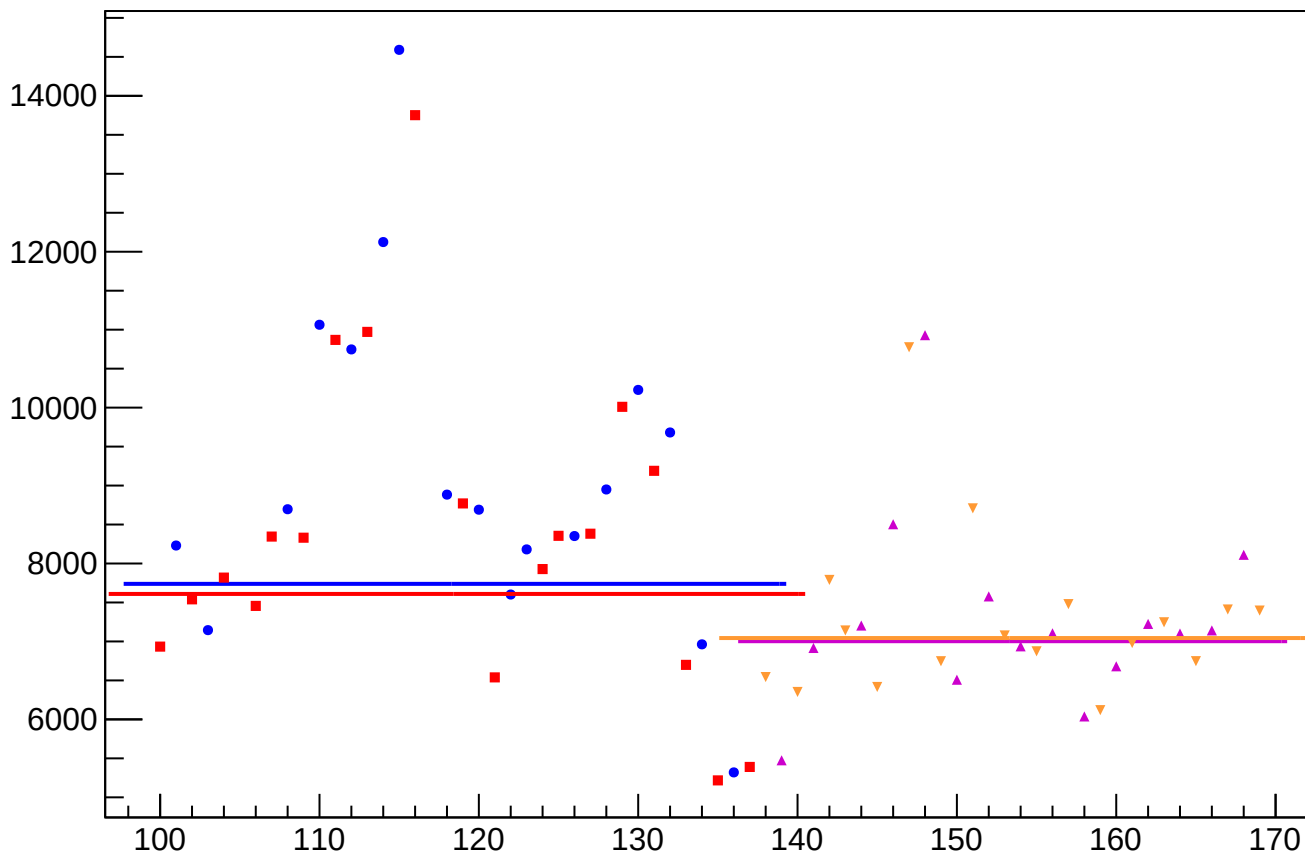
Left In: 2.544 ± 2.078 χ^2/NDF : 24.5/14

+ sign 2.640 ± 1.676 χ^2/NDF : 29.7/33

All: 3.035 ± 1.192 χ^2/NDF : 74.2/67

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

diff_bpm4aY_rms vs Slug



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

Left Out: 7043.665 $\pm$ 1.415 χ^2 /NDF:345772.2/16

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

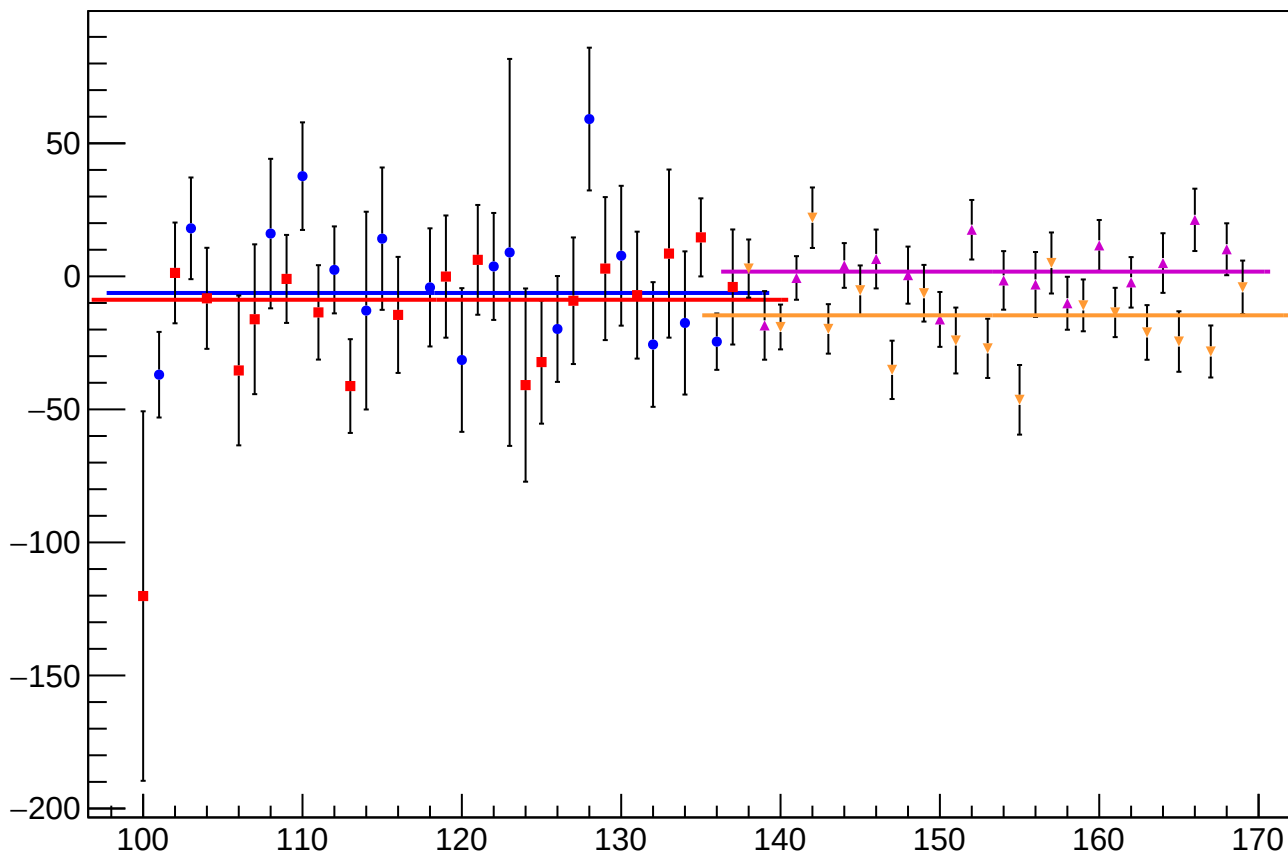
Left In: 7003.157 $\pm$ 1.469 χ^2 /NDF:454264.0/14

+ sign 7250.801 $\pm$ 1.185 χ^2 /NDF: 1158566.5/33

All: 7228.423 $\pm$ 0.843 χ^2 /NDF: 2349579.7/67

- sign 7205.516 $\pm$ 1.199 χ^2 /NDF: 1190291.9/33

diff_bpm4eX_mean vs Slug



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

Left Out: -14.646 ± 2.514 χ^2/NDF : 33.7/16

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

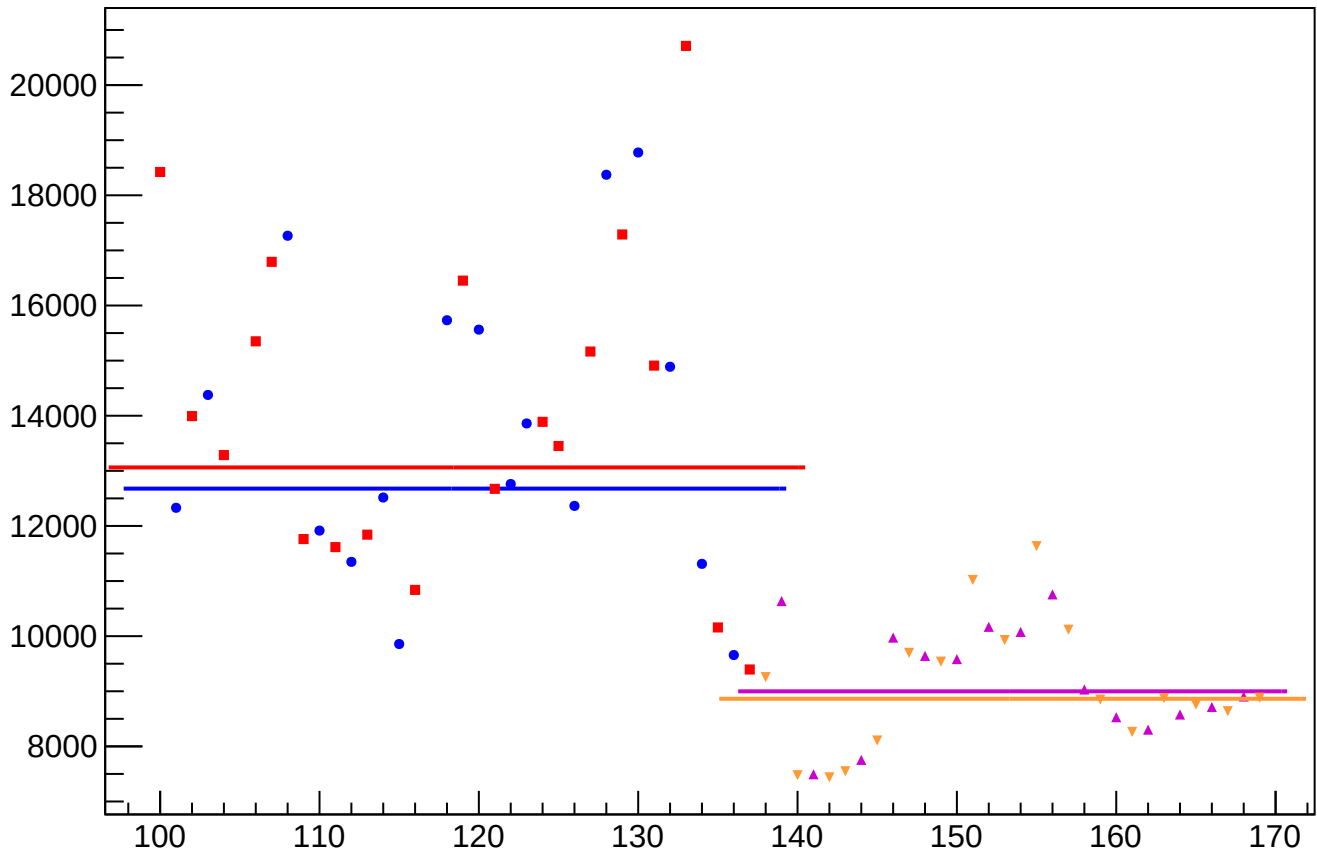
Left In: 1.774 ± 2.652 χ^2/NDF : 14.3/14

+ sign -12.960 ± 2.248 χ^2/NDF : 59.1/33

All: -7.010 ± 1.622 χ^2/NDF : 104.7/67

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

diff_bpm4eX_rms vs Slug



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

Left Out: 8863.776+/-1.778 χ^2/NDF : 363125.4/16

+ sign 9629.211+/-1.589 χ^2/NDF : 1840345.4/33

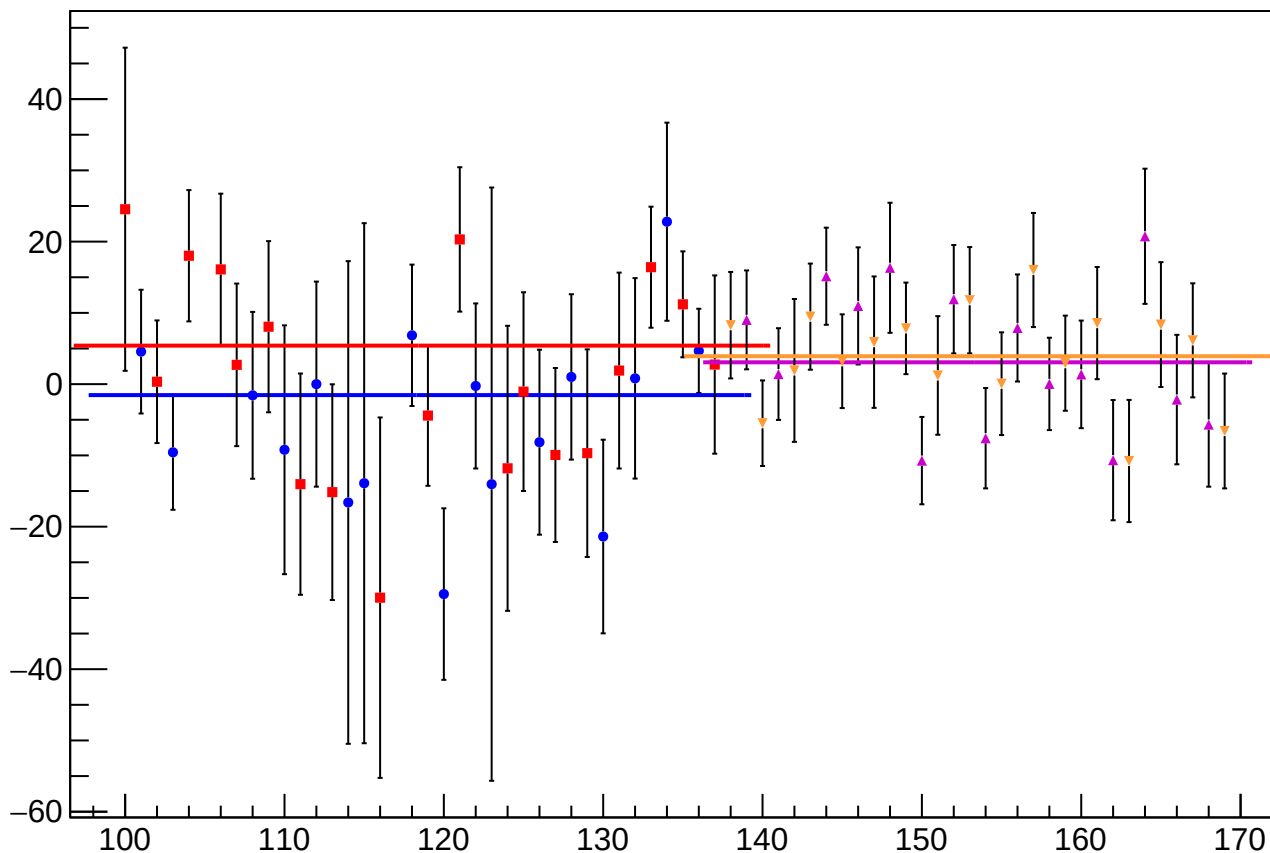
Right Out: 13061.839+/-3.535 χ^2/NDF : 497429.6/18

All: 9754.645+/-1.147 χ^2/NDF : 3656931.3/67

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

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

diff_bpm4eY_mean vs Slug



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

Left Out: 3.918 ± 1.837 χ^2/NDF : 12.9/16

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

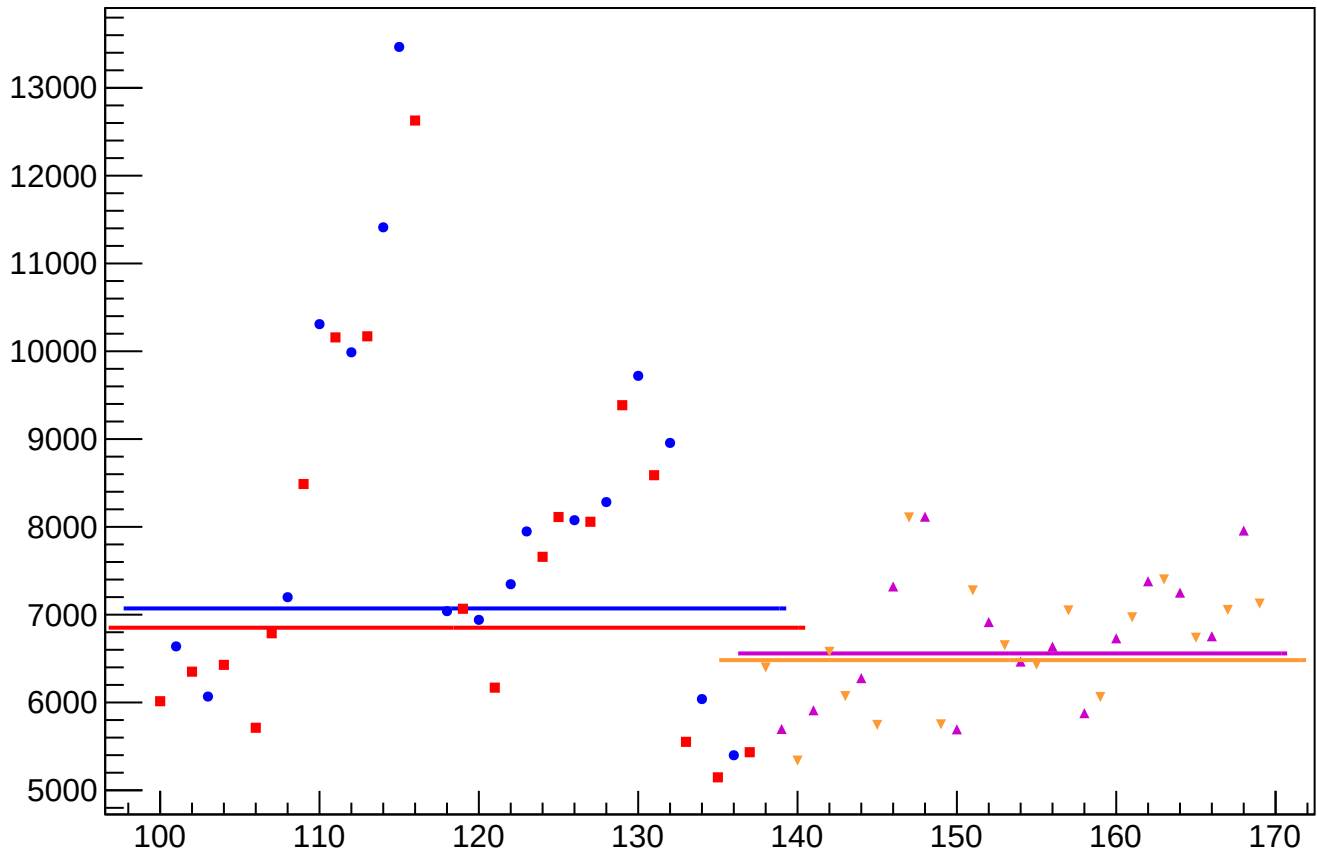
Left In: 3.065 ± 1.936 χ^2/NDF : 23.8/14

+ sign 2.268 ± 1.535 χ^2/NDF : 30.4/33

All: 3.062 ± 1.094 χ^2/NDF : 73.9/67

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

diff_bpm4eY_rms vs Slug



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

Left Out: 6482.606+/-1.299 χ^2/NDF : 285044.7/16

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

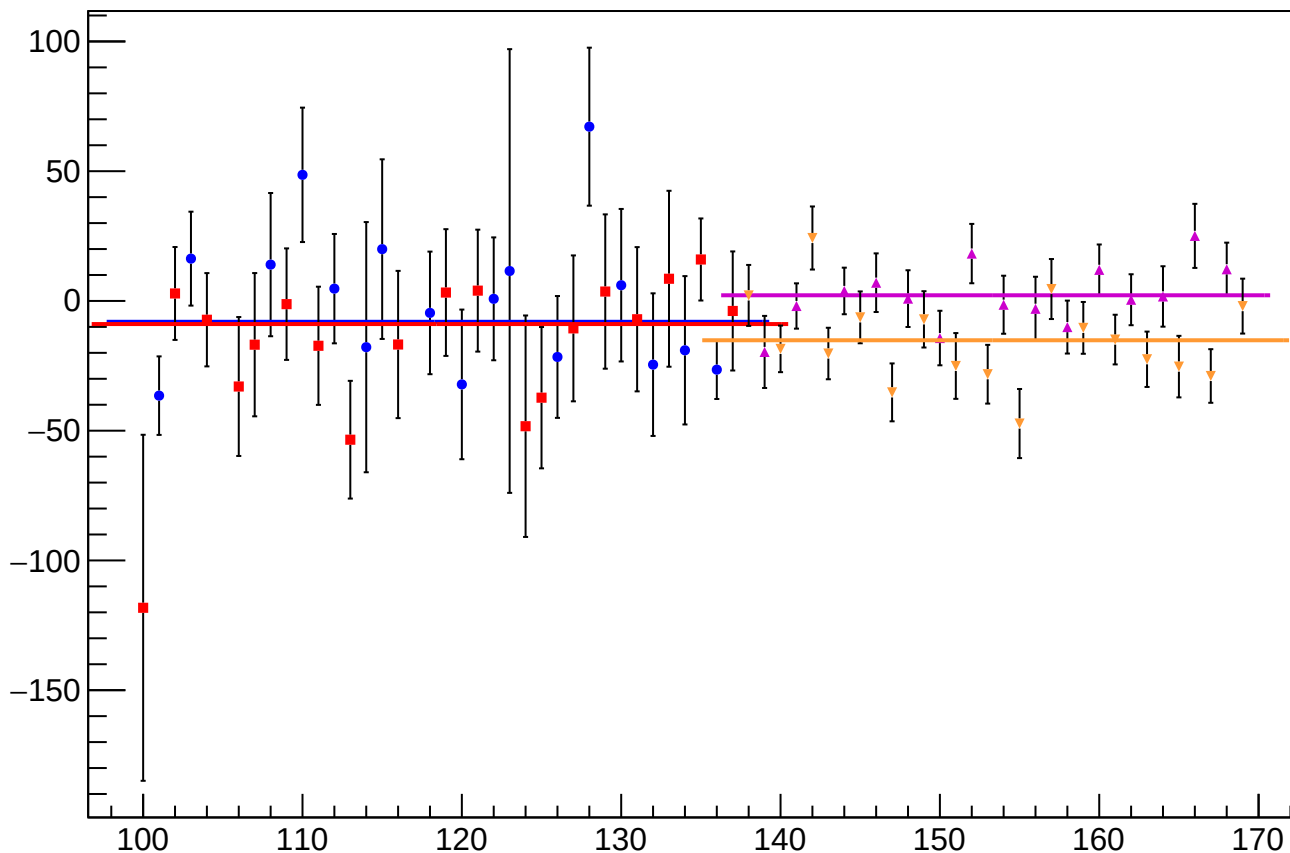
Left In: 6558.543+/-1.369 χ^2/NDF : 279811.4/14

+ sign 6660.561+/-1.085 χ^2/NDF : 947836.7/33

All: 6660.793+/-0.774 χ^2/NDF : 1928077.9/67

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

diff_bpm4acX_mean vs Slug



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

Left Out: -15.153 ± 2.622 χ^2/NDF : 33.1/16

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

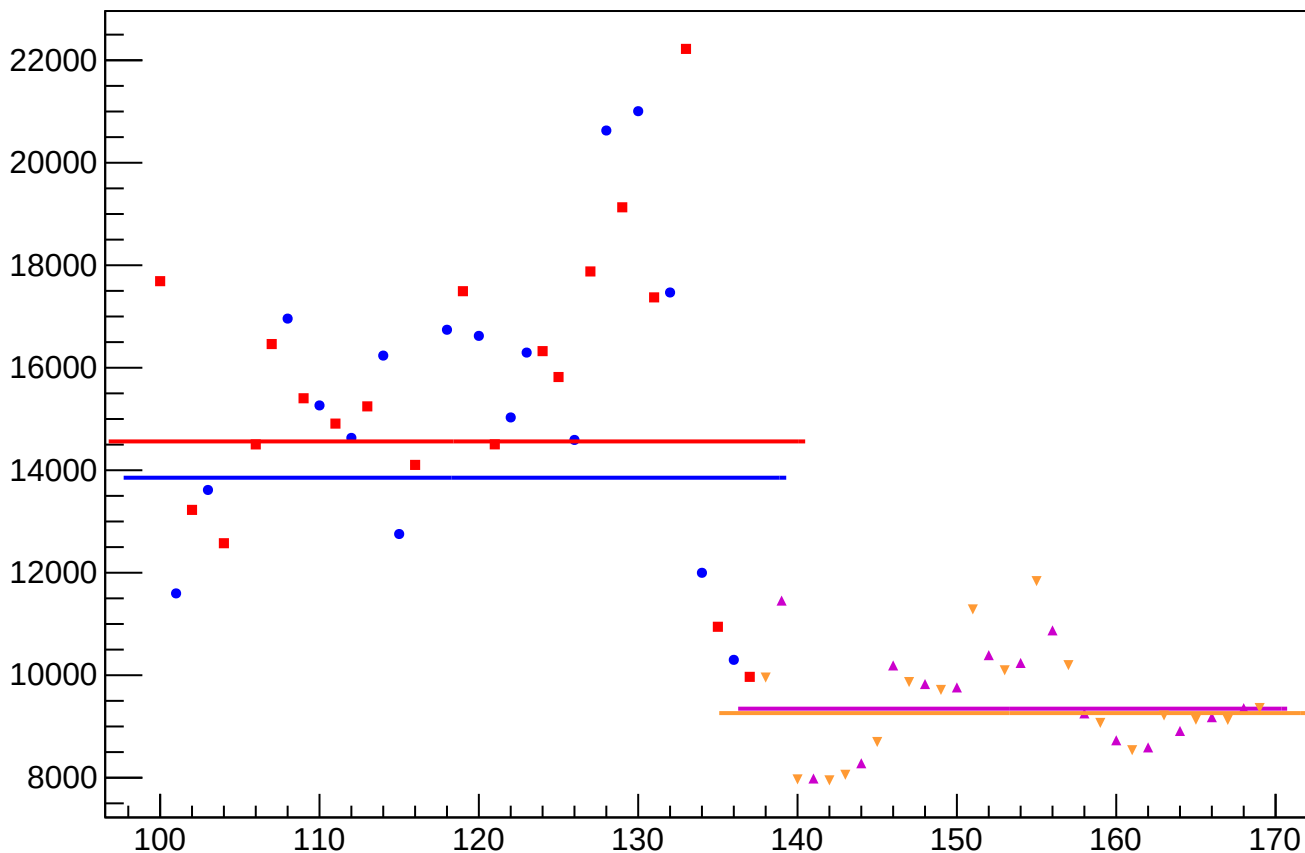
Left In: 2.183 ± 2.751 χ^2/NDF : 14.5/14

+ sign -13.834 ± 2.367 χ^2/NDF : 57.0/33

All: -7.200 ± 1.708 χ^2/NDF : 104.8/67

- sign 0.005 ± 2.467 χ^2/NDF : 31.4/33

diff_bpm4acX_rms vs Slug



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

Left Out: 9261.167+/-1.854 χ^2/NDF : 279726.3/16

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

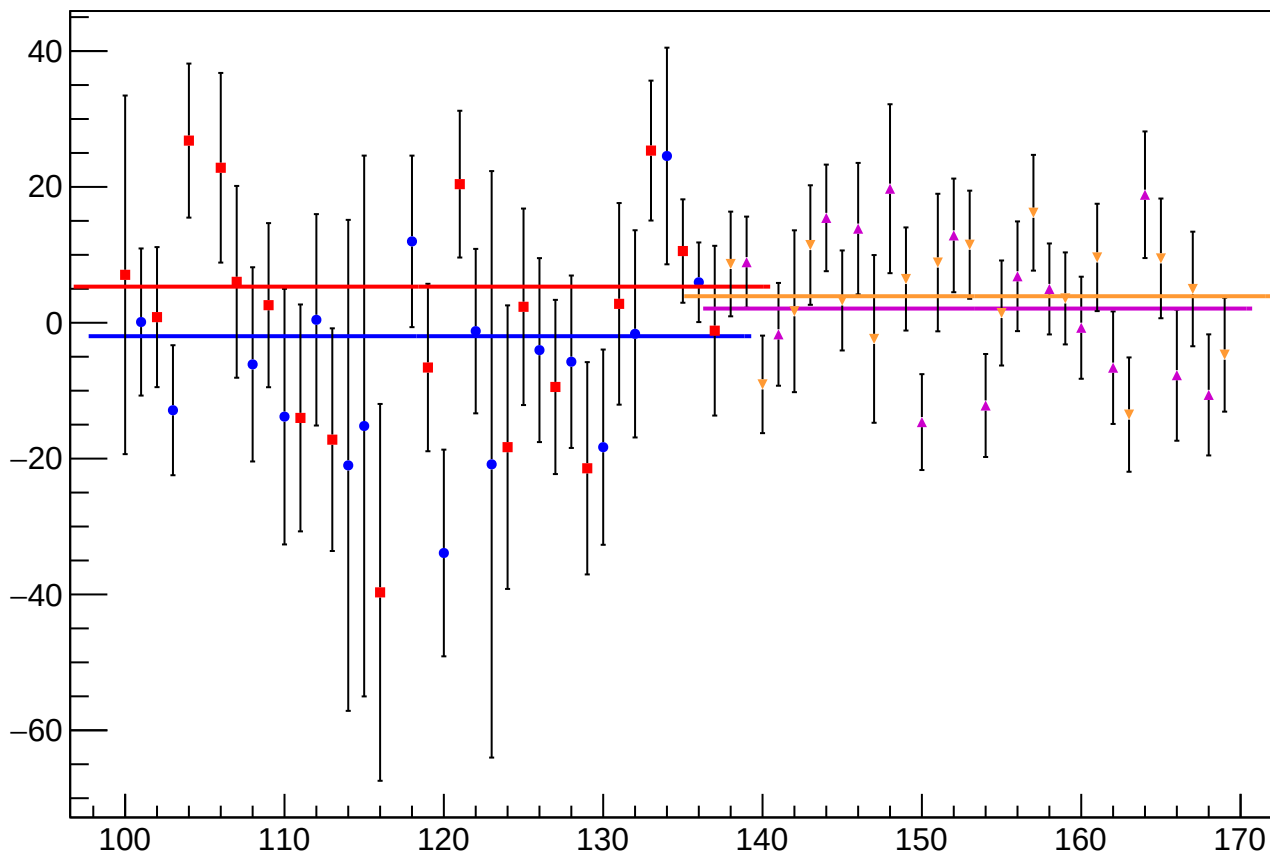
Left In: 9347.486+/-1.946 χ^2/NDF : 224340.9/14

+ sign 10112.439+/-1.674 χ^2/NDF : 2018029.1/33

All: 10236.627+/-1.208 χ^2/NDF : 4138897.2/6

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

diff_bpm4acY_mean vs Slug



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

Left Out: 3.908 ± 2.009 χ^2/NDF : 14.4/16

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

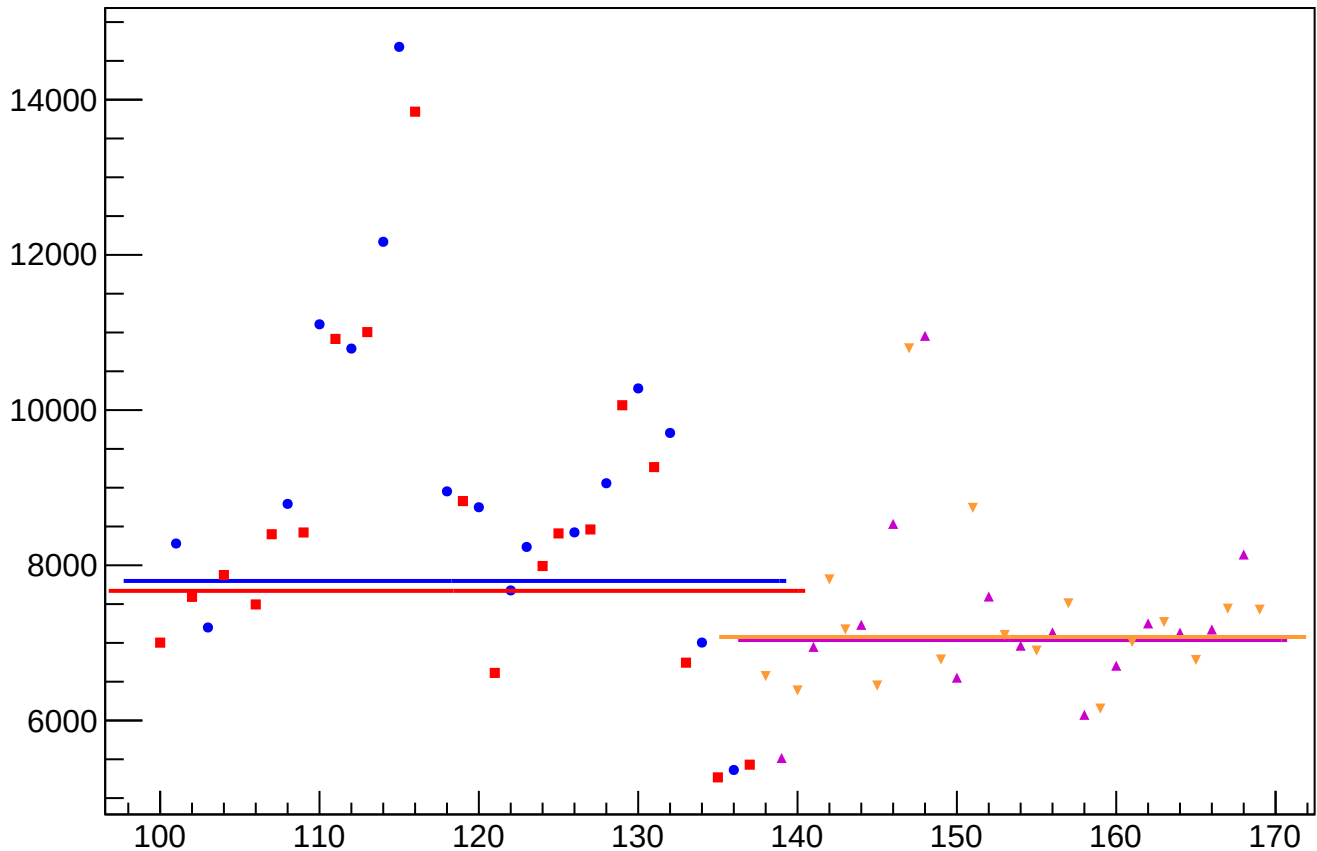
Left In: 2.091 ± 2.087 χ^2/NDF : 26.6/14

+ sign 2.162 ± 1.685 χ^2/NDF : 31.0/33

All: 2.656 ± 1.199 χ^2/NDF : 82.8/67

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

diff_bpm4acY_rms vs Slug



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

Left Out: 7076.141+/-1.421 χ^2/NDF :341884.7/16

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

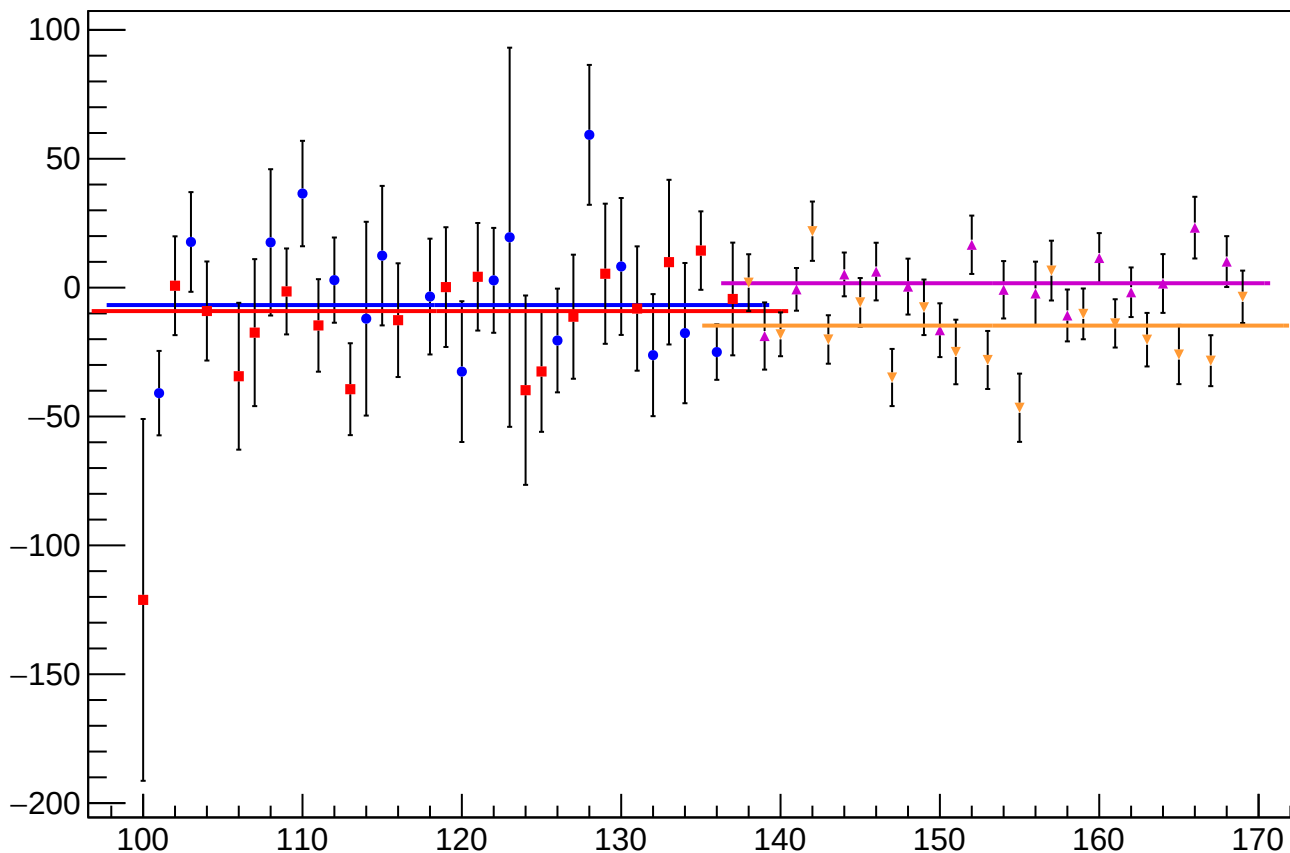
Left In: 7036.687+/-1.476 χ^2/NDF :447392.4/14

+ sign 7290.386+/-1.192 χ^2/NDF : 1154794.4/33

All: 7269.123+/-0.848 χ^2/NDF : 2336826.7/67

- sign 7247.345+/-1.206 χ^2/NDF : 1181387.8/33

diff_bpm4ecX_mean vs Slug



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

Left Out: -14.727 ± 2.542 χ^2/NDF : 33.4/16

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

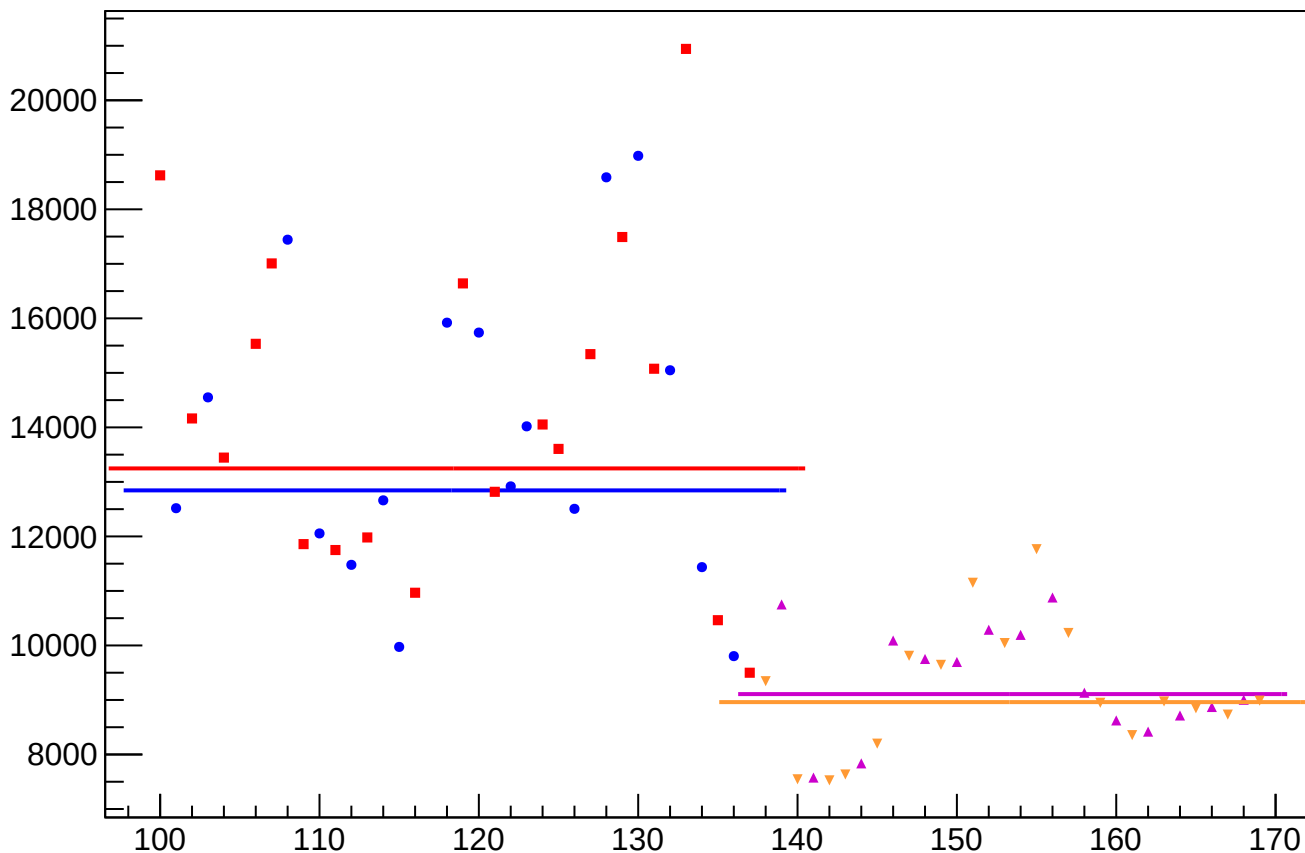
Left In: 1.708 ± 2.684 χ^2/NDF : 14.5/14

+ sign -13.134 ± 2.274 χ^2/NDF : 59.0/33

All: -7.162 ± 1.642 χ^2/NDF : 103.7/67

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

diff_bpm4ecX_rms vs Slug



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

Left Out: 8960.748+/-1.797 χ^2/NDF : 364741.2/16

+ sign 9737.191+/-1.608 χ^2/NDF : 1845461.4/33

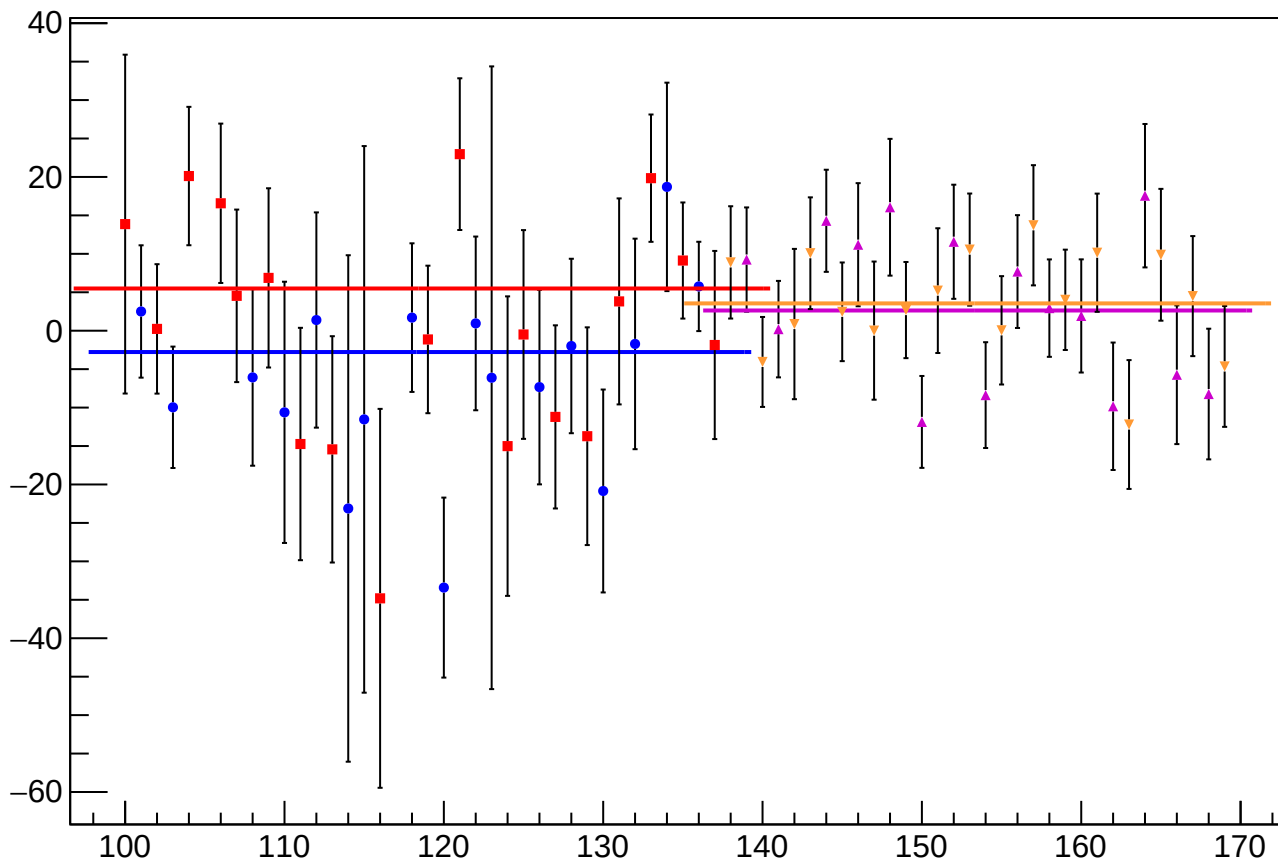
Right Out: 13247.253+/-3.585 χ^2/NDF : 485481.6/18

All: 9869.730+/-1.161 χ^2/NDF : 3660729.7/67

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

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

diff_bpm4ecY_mean vs Slug



Right In: -2.774 ± 2.732 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 3.552 ± 1.793 $\chi^2/\text{NDF}: 12.1/16$

Right Out: 5.491 ± 2.587 $\chi^2/\text{NDF}: 23.2/18$

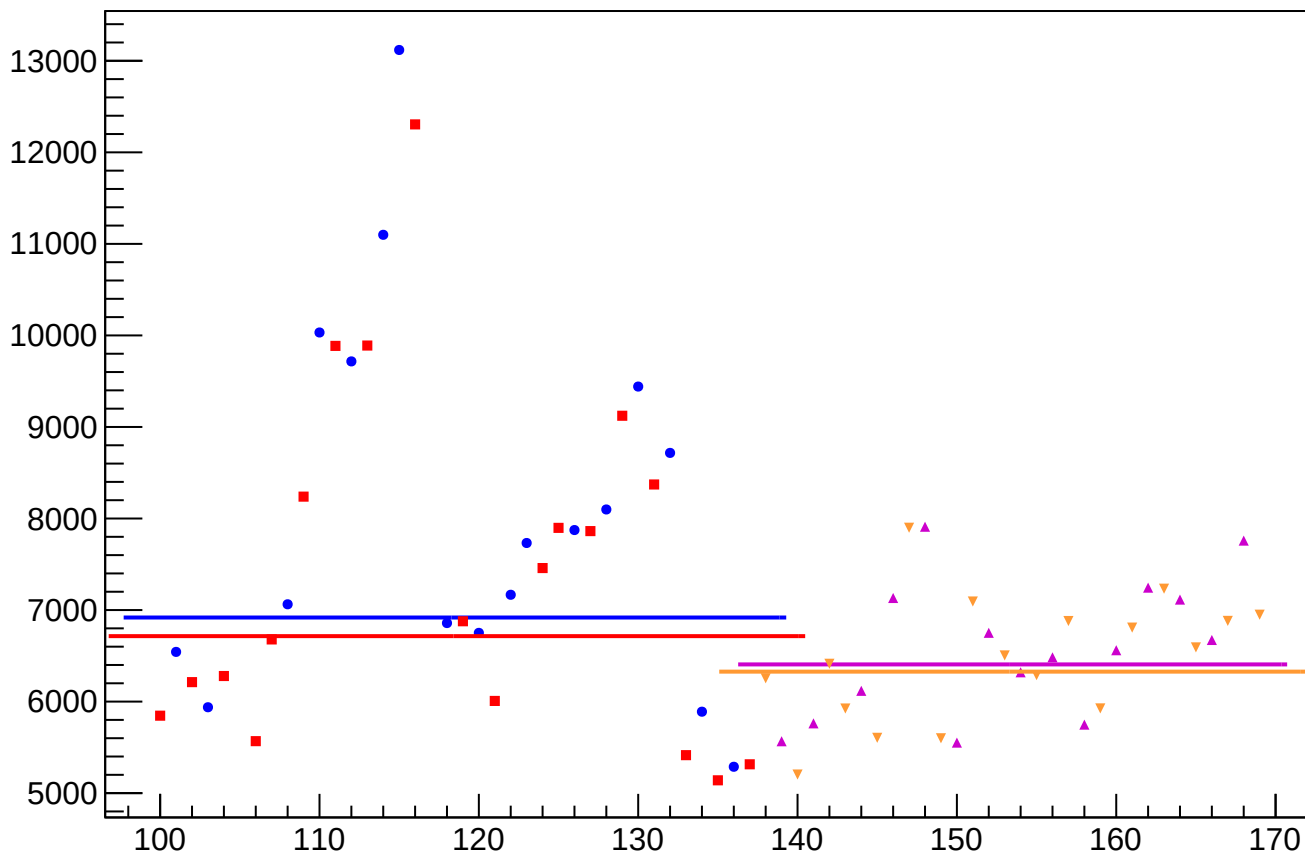
Left In: 2.630 ± 1.892 $\chi^2/\text{NDF}: 25.3/14$

+ sign 1.647 ± 1.499 $\chi^2/\text{NDF}: 31.8/33$

All: 2.618 ± 1.070 $\chi^2/\text{NDF}: 81.9/67$

- sign 3.627 ± 1.527 $\chi^2/\text{NDF}: 49.3/33$

diff_bpm4ecY_rms vs Slug



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

Left Out: 6327.285+/-1.268 χ^2/NDF : 286409.5/16

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

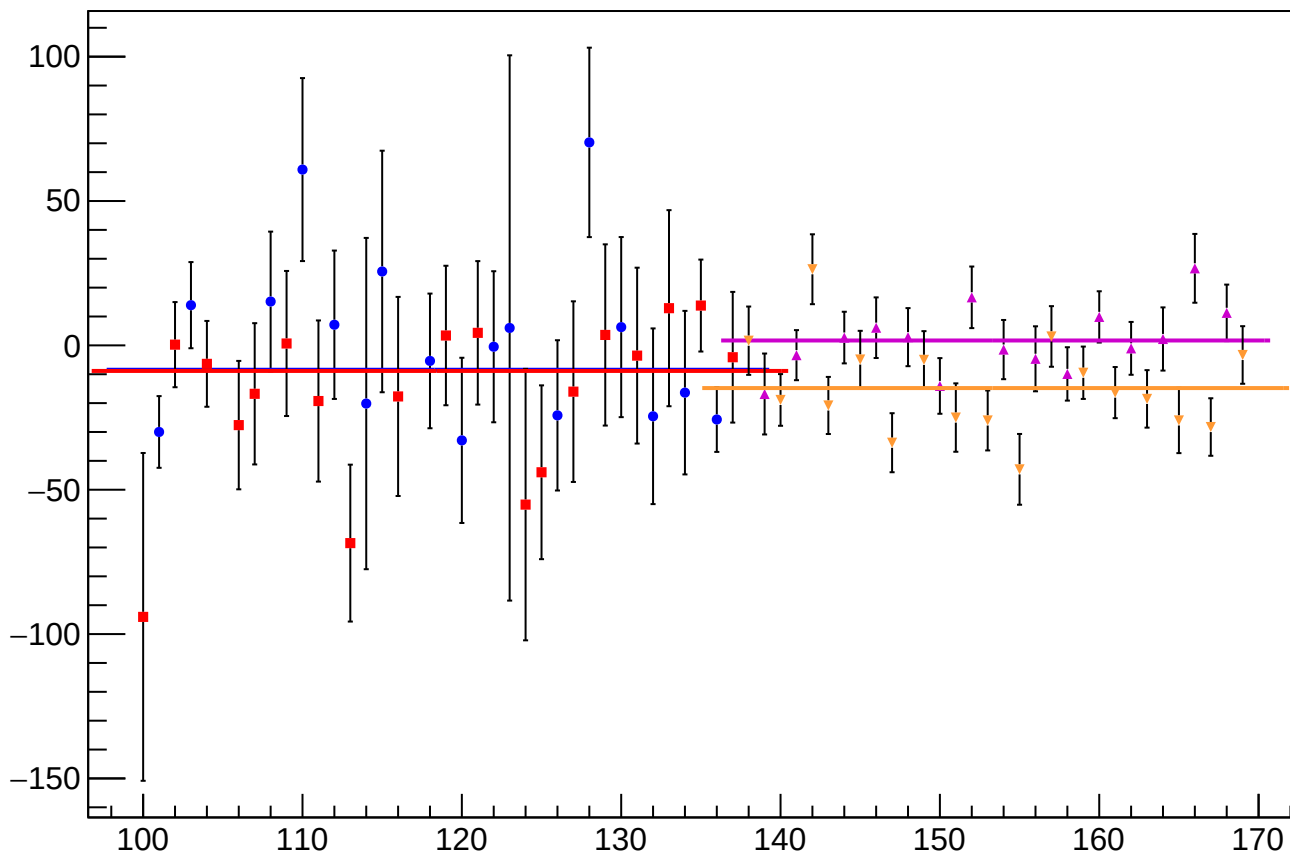
Left In: 6406.183+/-1.338 χ^2/NDF : 281669.3/14

+ sign 6505.336+/-1.060 χ^2/NDF : 938912.9/33

All: 6509.468+/-0.756 χ^2/NDF : 1895192.6/67

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

diff_bpm1X_mean vs Slug



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

Left Out: -14.790 ± 2.488 χ^2/NDF : 34.2/16

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

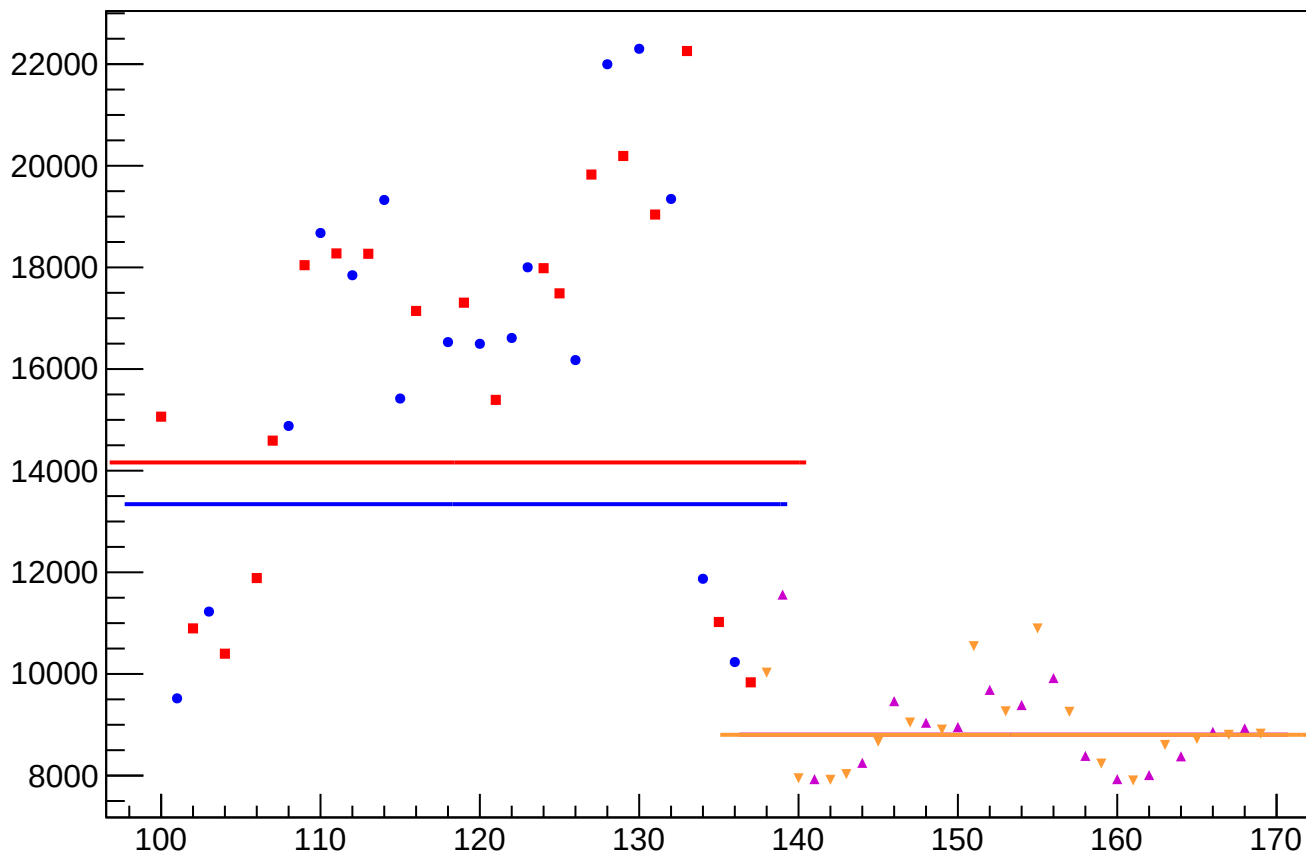
Left In: 1.694 ± 2.591 χ^2/NDF : 15.2/14

+ sign -13.677 ± 2.259 χ^2/NDF : 57.3/33

All: -7.196 ± 1.627 χ^2/NDF : 106.8/67

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

diff_bpm1X_rms vs Slug



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

Left Out: 8802.784+/-1.759 χ^2/NDF : 202867.0/16

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

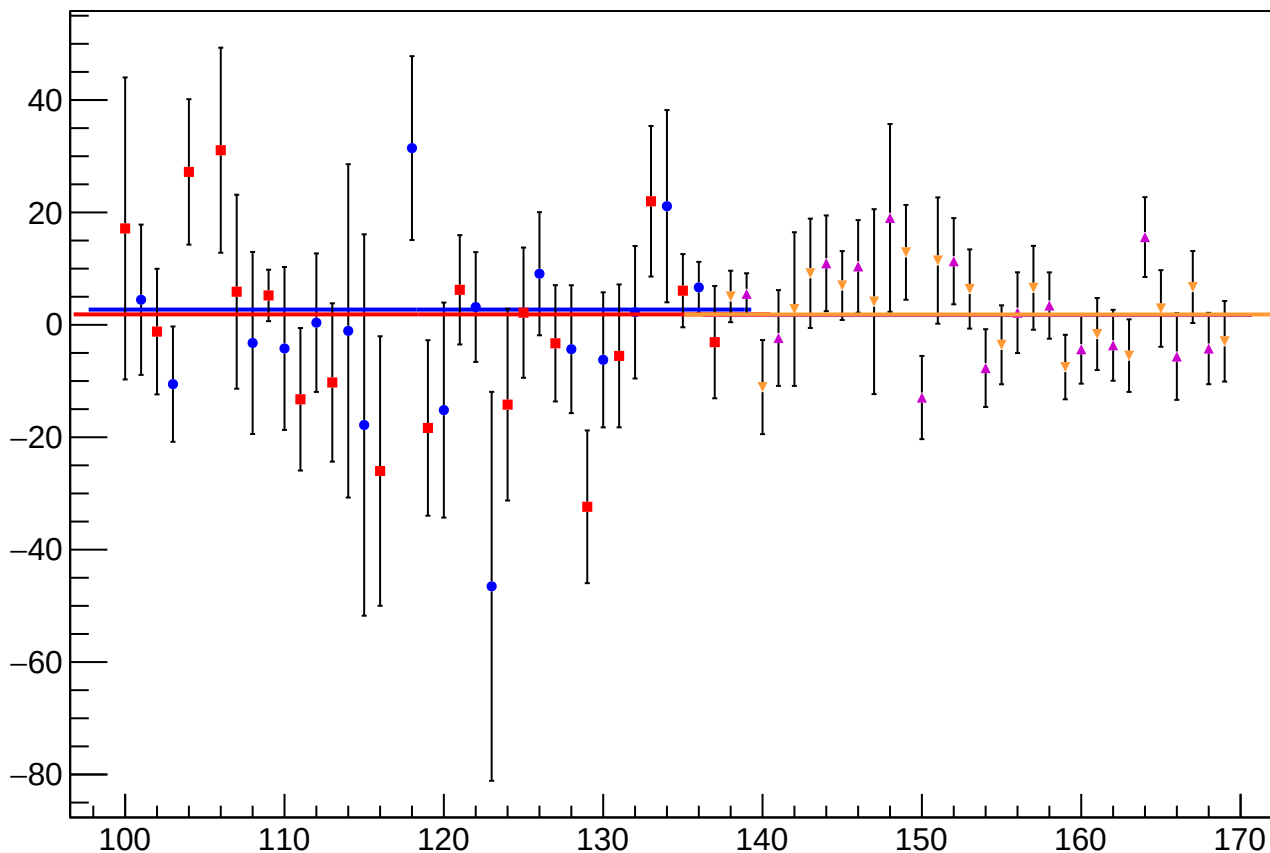
Left In: 8806.421+/-1.832 χ^2/NDF : 196520.9/14

+ sign 9599.286+/-1.598 χ^2/NDF : 2415123.2/33

All: 9684.678+/-1.150 χ^2/NDF : 5097344.8/67

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

diff_bpm1Y_mean vs Slug



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

Left Out: 1.845 ± 1.734 χ^2/NDF : 13.3/16

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

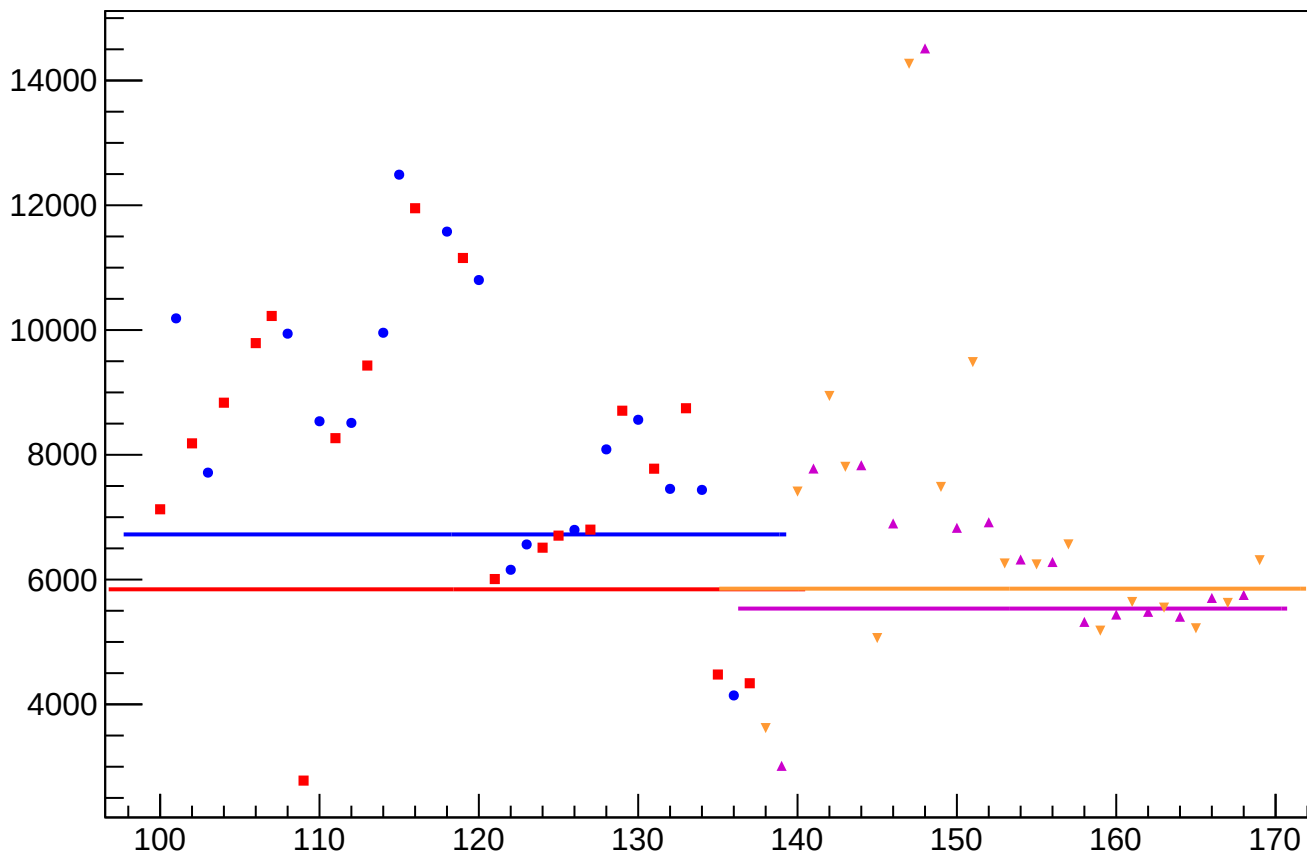
Left In: 1.751 ± 1.720 χ^2/NDF : 19.4/14

+ sign 2.093 ± 1.467 χ^2/NDF : 25.0/33

All: 1.934 ± 1.015 χ^2/NDF : 68.0/67

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

diff_bpm1Y_rms vs Slug



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

Left Out: 5854.319+/-1.226 χ^2/NDF : 1661597.0/16

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

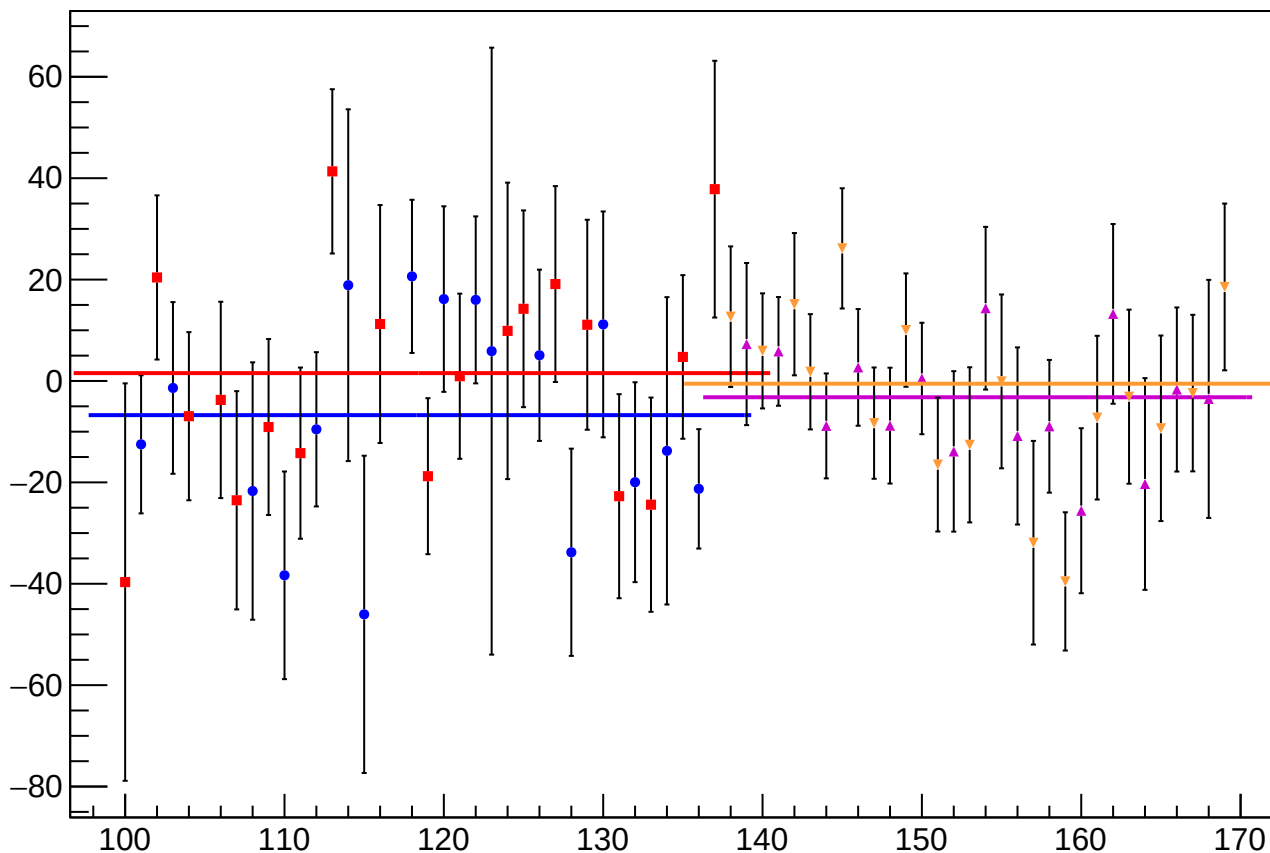
Left In: 5535.156+/-1.216 χ^2/NDF : 2049226.4/14

+ sign 6101.397+/-1.037 χ^2/NDF : 3196602.8/33

All: 5859.587+/-0.718 χ^2/NDF : 7648663.9/67

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

diff_bpm11X_mean vs Slug



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

Left Out: -0.539 ± 3.360 χ^2/NDF : 23.5/16

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

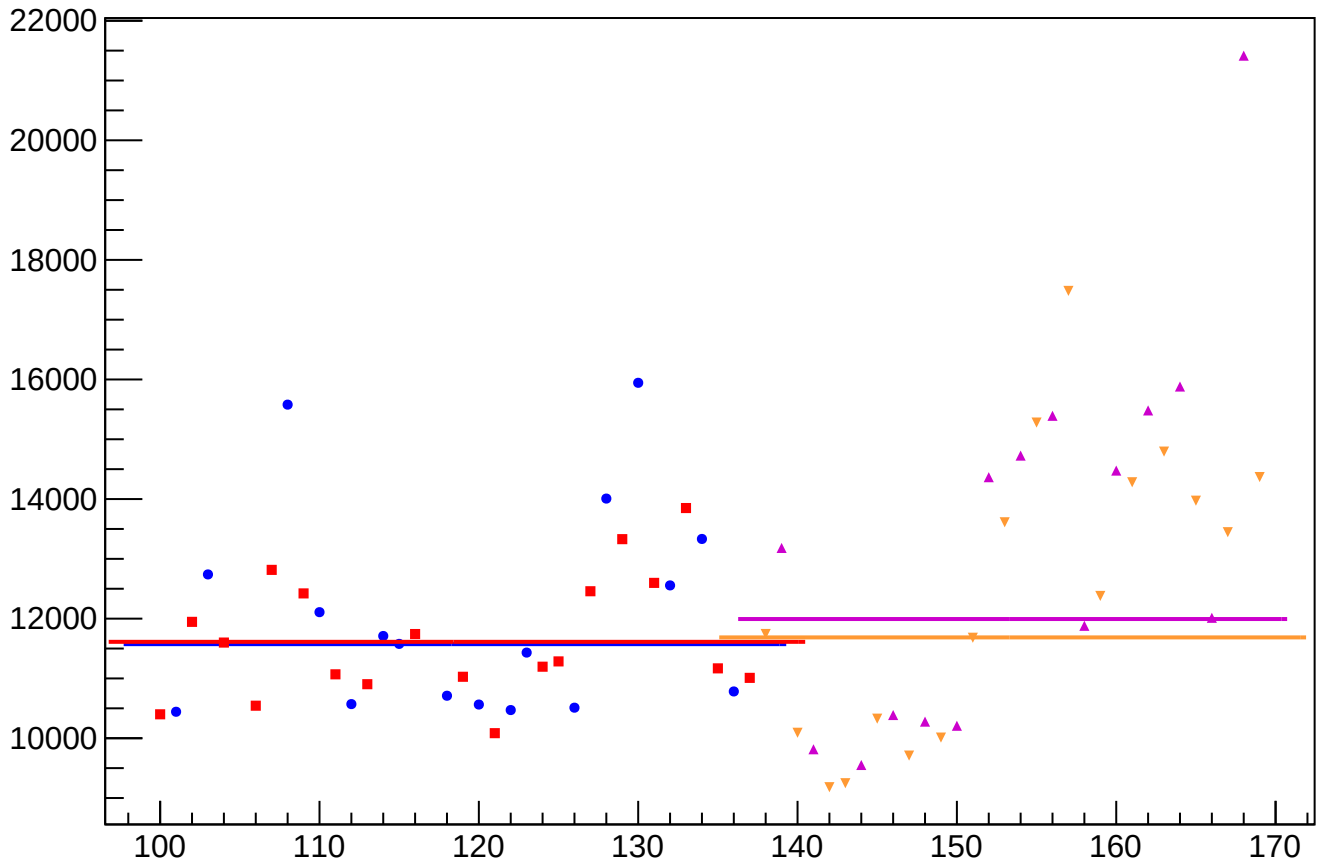
Left In: -3.208 ± 3.597 χ^2/NDF : 7.5/14

+ sign -2.749 ± 2.695 χ^2/NDF : 41.6/33

All: -2.041 ± 1.934 χ^2/NDF : 69.9/67

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

diff_bpm11X_rms vs Slug



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

Left Out: 11686.225 $\pm$ 2.376 χ^2 /NDF: 850009.2/16

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

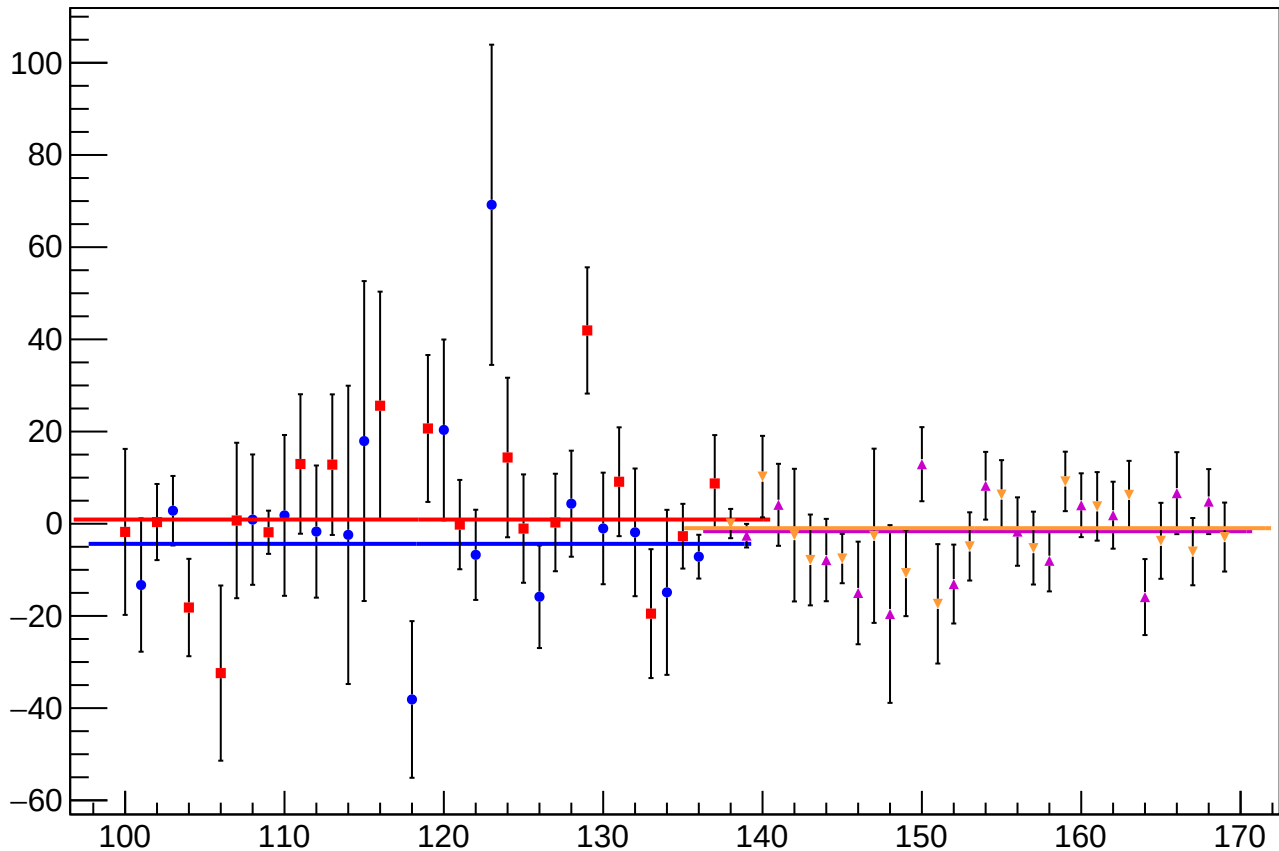
Left In: 11993.546 $\pm$ 2.543 χ^2 /NDF: 1035703.2/14

+ sign 11646.015 $\pm$ 1.906 χ^2 /NDF: 1089546.8/33

All: 11739.913 $\pm$ 1.368 χ^2 /NDF: 2233636.5/6

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

diff_bpm11Y_mean vs Slug



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

Left Out: -0.961 ± 1.700 χ^2/NDF : 12.5/16

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

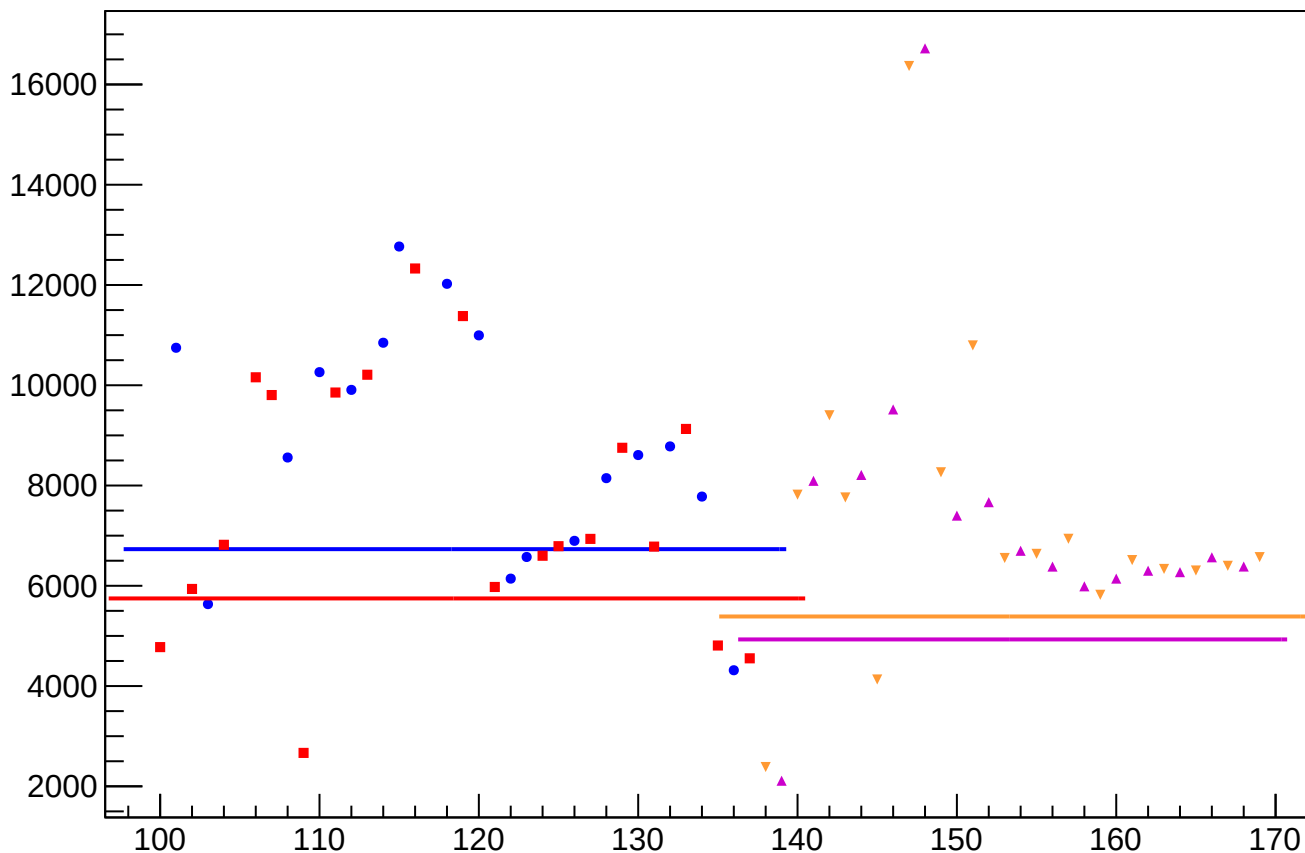
Left In: -1.615 ± 1.657 χ^2/NDF : 16.8/14

+ sign -1.888 ± 1.450 χ^2/NDF : 28.1/33

All: -1.318 ± 0.995 χ^2/NDF : 69.4/67

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

diff_bpm11Y_rms vs Slug



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

Left Out: 5387.682+/-1.202 χ^2/NDF : 3916743.4/16

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

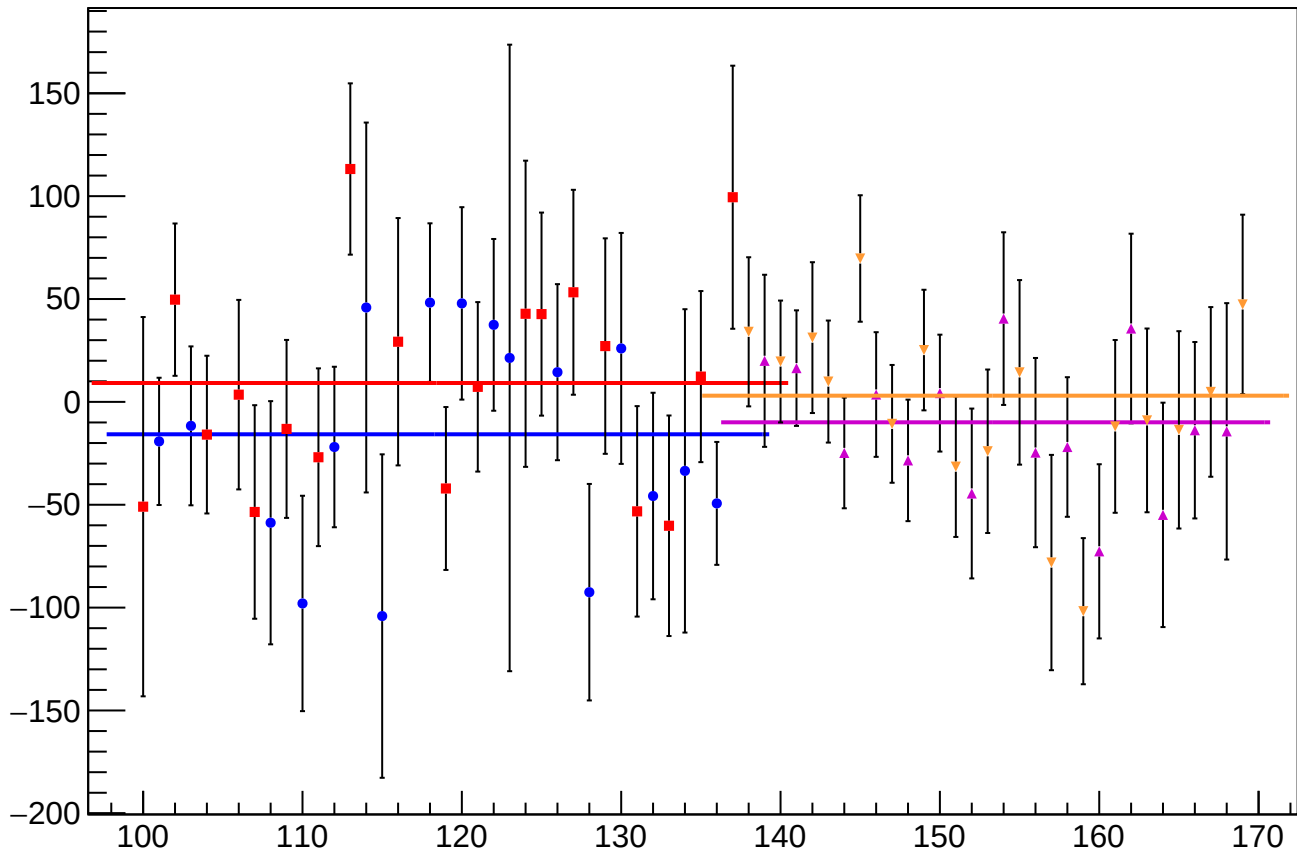
Left In: 4930.072+/-1.172 χ^2/NDF : 5008175.7/14

+ sign 5753.859+/-1.025 χ^2/NDF : 5702417.1/33

All: 5455.752+/-0.704 χ^2/NDF : 13187636.7/6

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

diff_bpm12X_mean vs Slug



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

Left Out: 3.017 ± 8.775 χ^2/NDF : 21.2/16

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

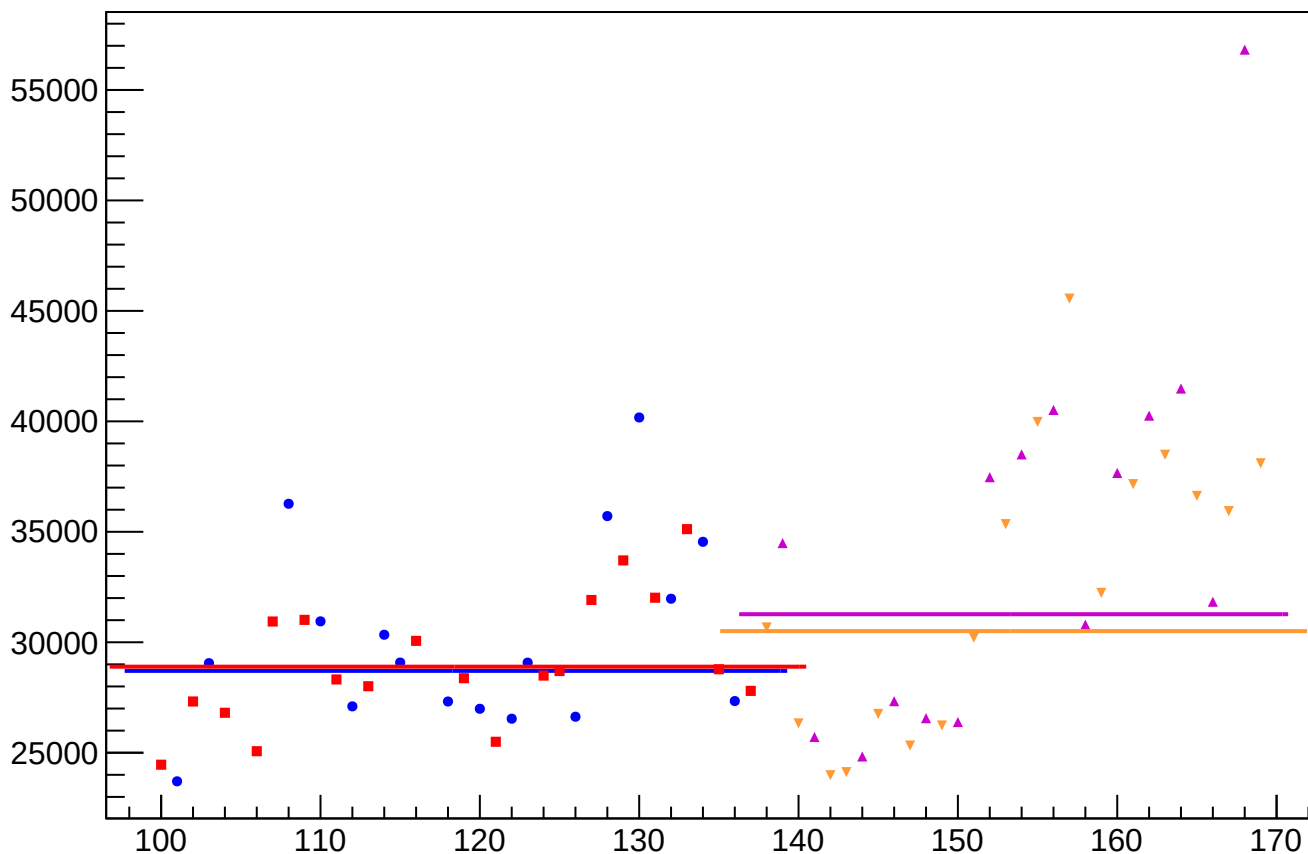
Left In: -9.927 ± 9.383 χ^2/NDF : 8.8/14

+ sign -4.116 ± 6.909 χ^2/NDF : 38.9/33

All: -2.984 ± 4.954 χ^2/NDF : 68.7/67

- sign -1.785 ± 7.108 χ^2/NDF : 29.8/33

diff_bpm12X_rms vs Slug



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

Left Out: 30505.542+/-6.205 χ^2/NDF : 864683.3/16

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

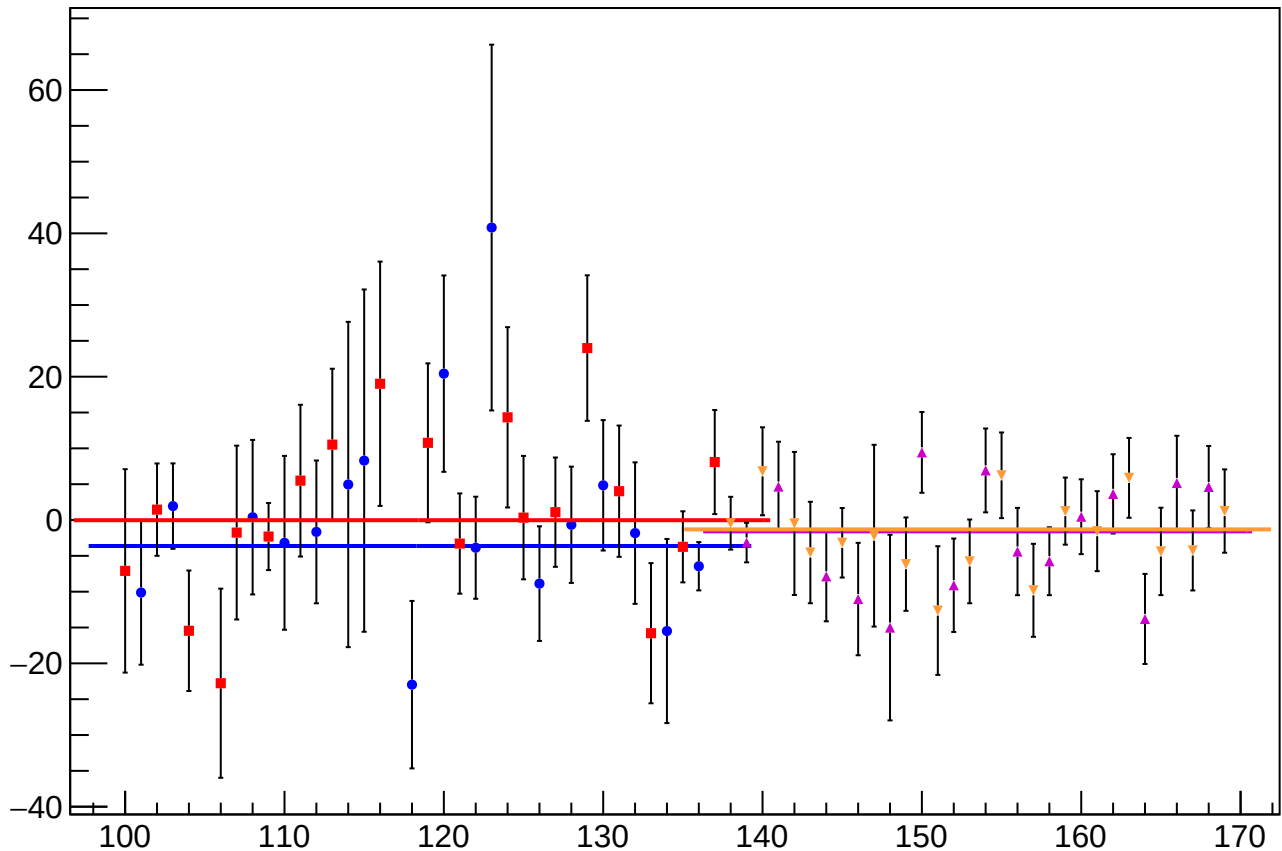
Left In: 31269.914+/-6.635 χ^2/NDF : 1062591.7/14

+ sign 29821.435+/-4.886 χ^2/NDF : 1147656.8/33

All: 30033.583+/-3.503 χ^2/NDF : 2379912.6/66

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

diff_bpm12Y_mean vs Slug



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

Left Out: -1.305 ± 1.422 χ^2/NDF : 10.9/16

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

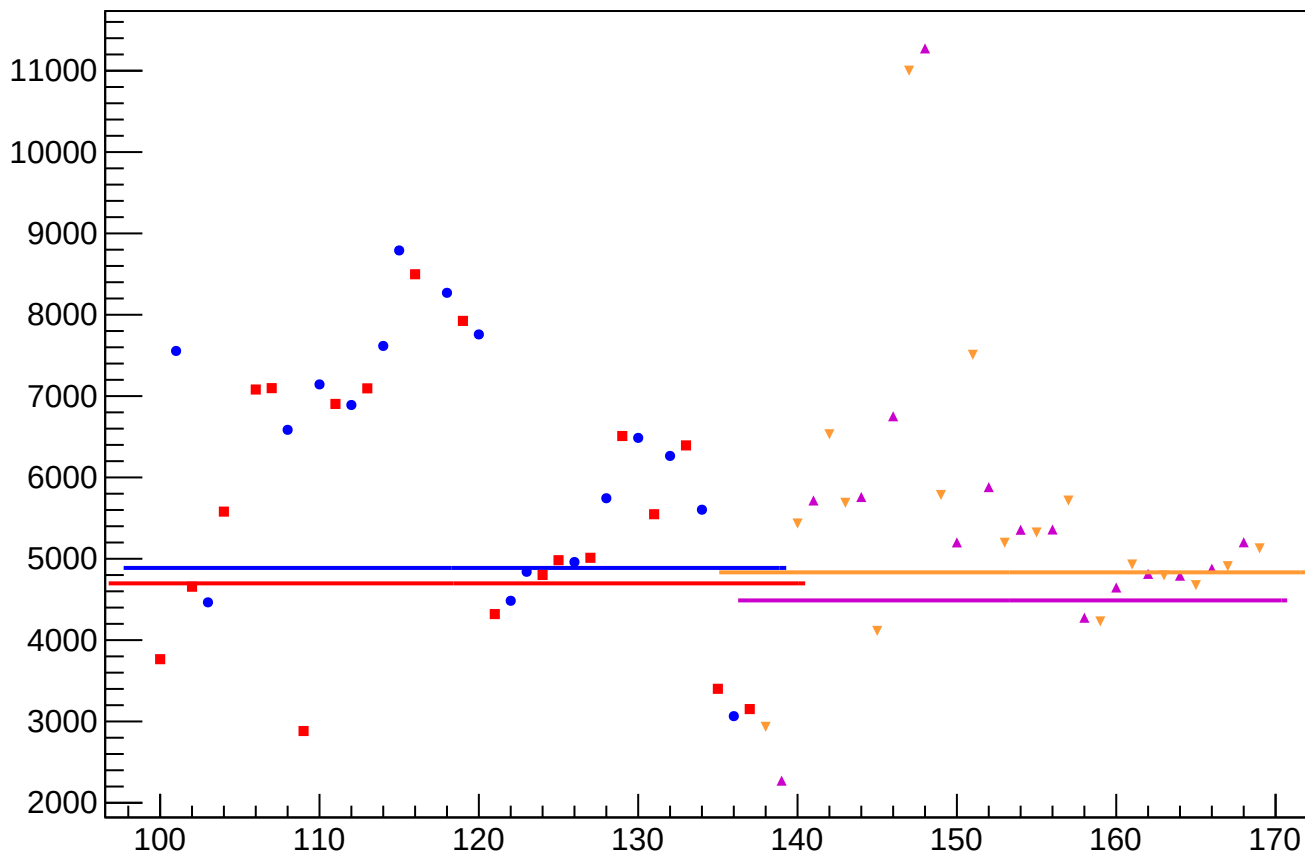
Left In: -1.584 ± 1.403 χ^2/NDF : 20.2/14

+ sign -2.081 ± 1.160 χ^2/NDF : 25.5/33

All: -1.541 ± 0.808 χ^2/NDF : 68.6/67

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

diff_bpm12Y_rms vs Slug



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

Left Out: 4833.249+/-1.006 χ^2/NDF : 1473749.0/16

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

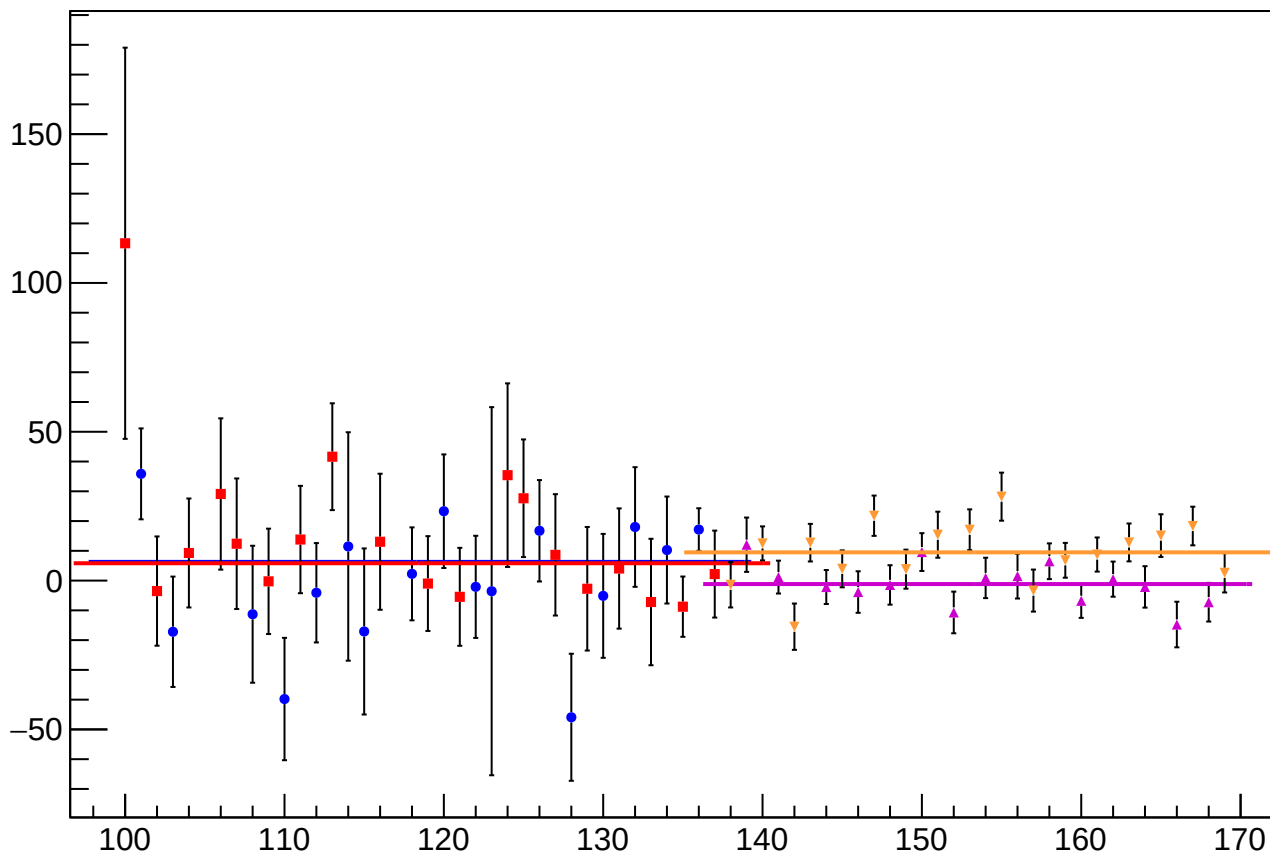
Left In: 4488.243+/-0.992 χ^2/NDF : 2426766.6/14

+ sign 4851.399+/-0.820 χ^2/NDF : 2884019.8/33

All: 4702.743+/-0.571 χ^2/NDF : 6703539.8/67

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

diff_bpm16X_mean vs Slug



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

Left Out: 9.487 ± 1.613 χ^2/NDF : 32.3/16

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

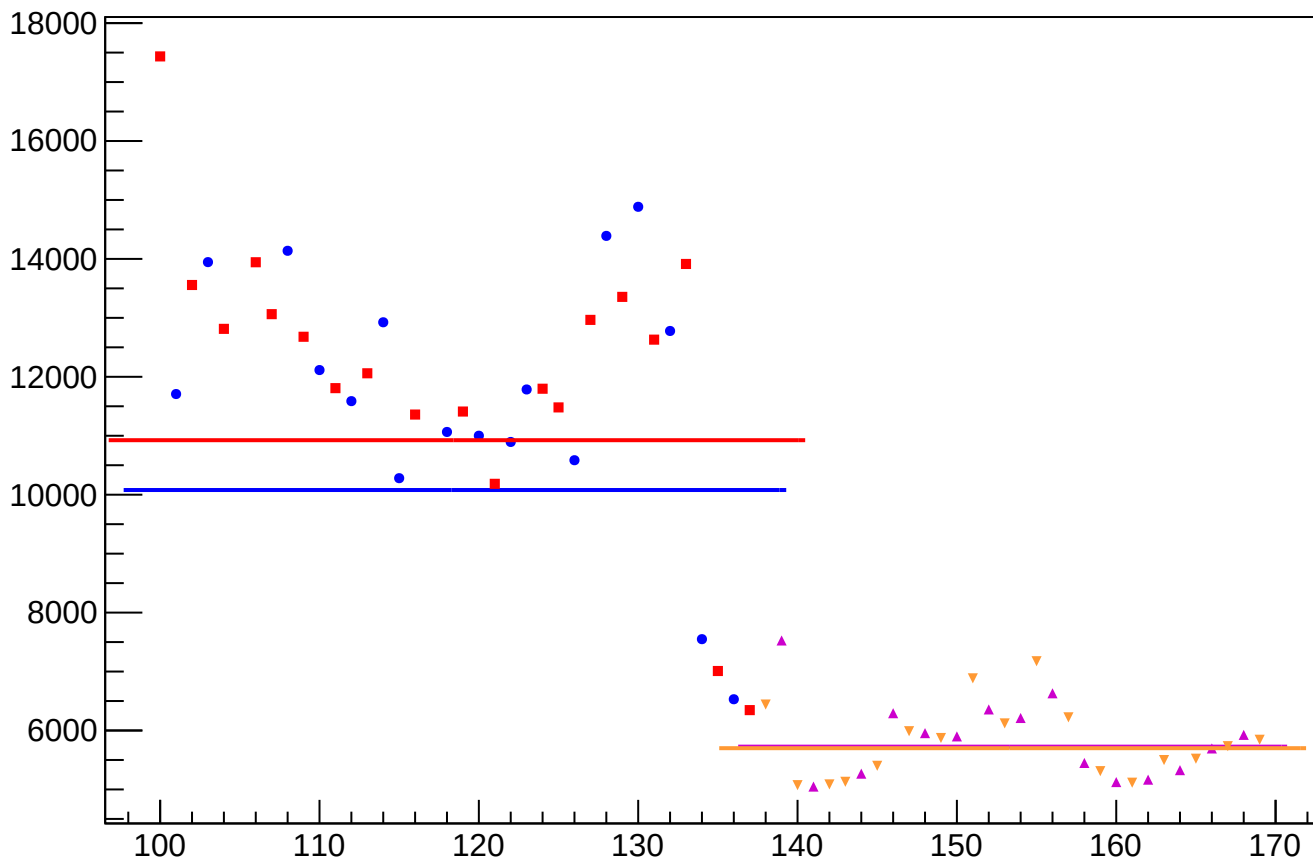
Left In: -1.165 ± 1.686 χ^2/NDF : 14.1/14

+ sign 9.051 ± 1.499 χ^2/NDF : 55.4/33

All: 4.626 ± 1.083 χ^2/NDF : 103.9/67

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

diff_bpm16X_rms vs Slug



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

Left Out: 5699.855 $\pm$ 1.141 χ^2 /NDF:247627.0/16

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

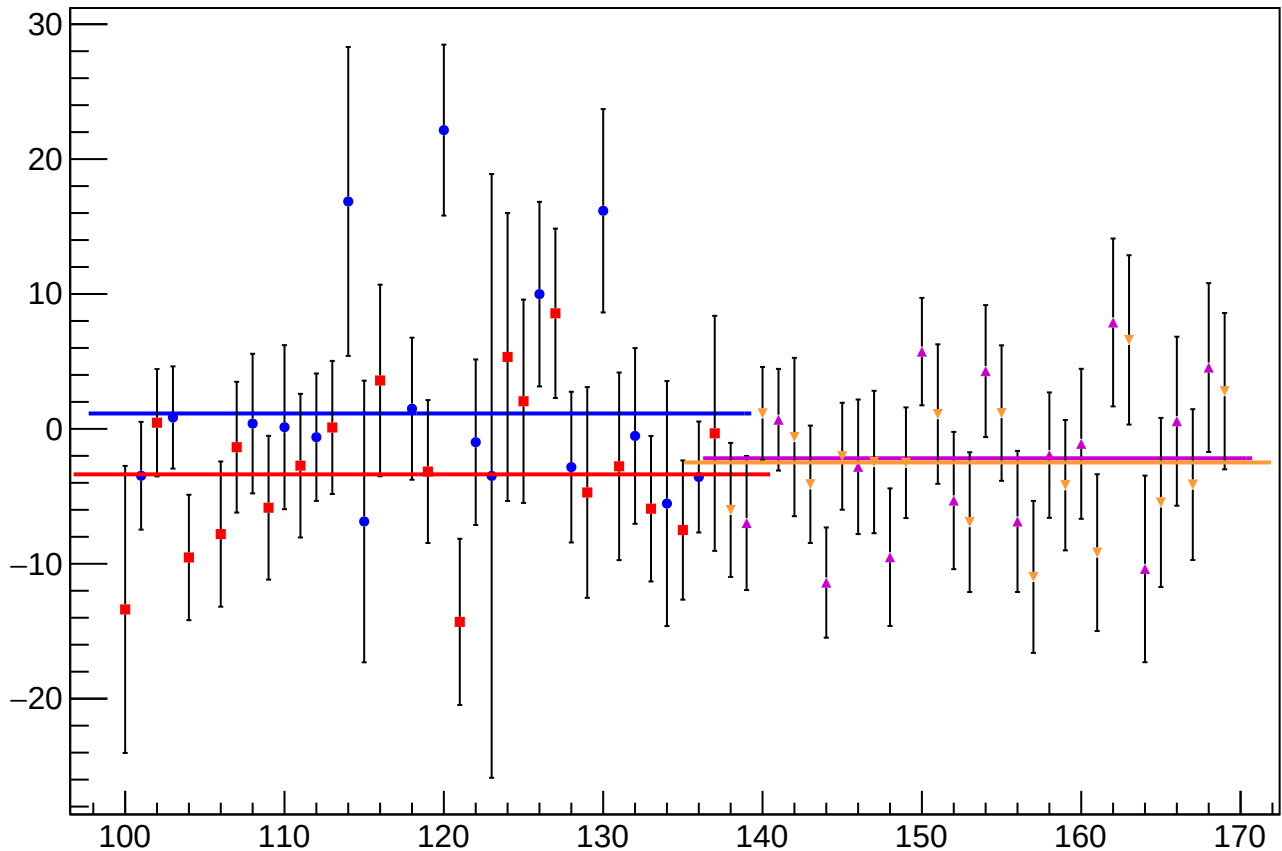
Left In: 5726.029 $\pm$ 1.192 χ^2 /NDF:246150.6/14

+ sign 6295.862 $\pm$ 1.060 χ^2 /NDF: 3248785.6/33

All: 6365.832 $\pm$ 0.766 χ^2 /NDF: 6890557.3/67

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

diff_bpm16Y_mean vs Slug



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

Left Out: -2.489 ± 1.198 χ^2/NDF : 10.6/16

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

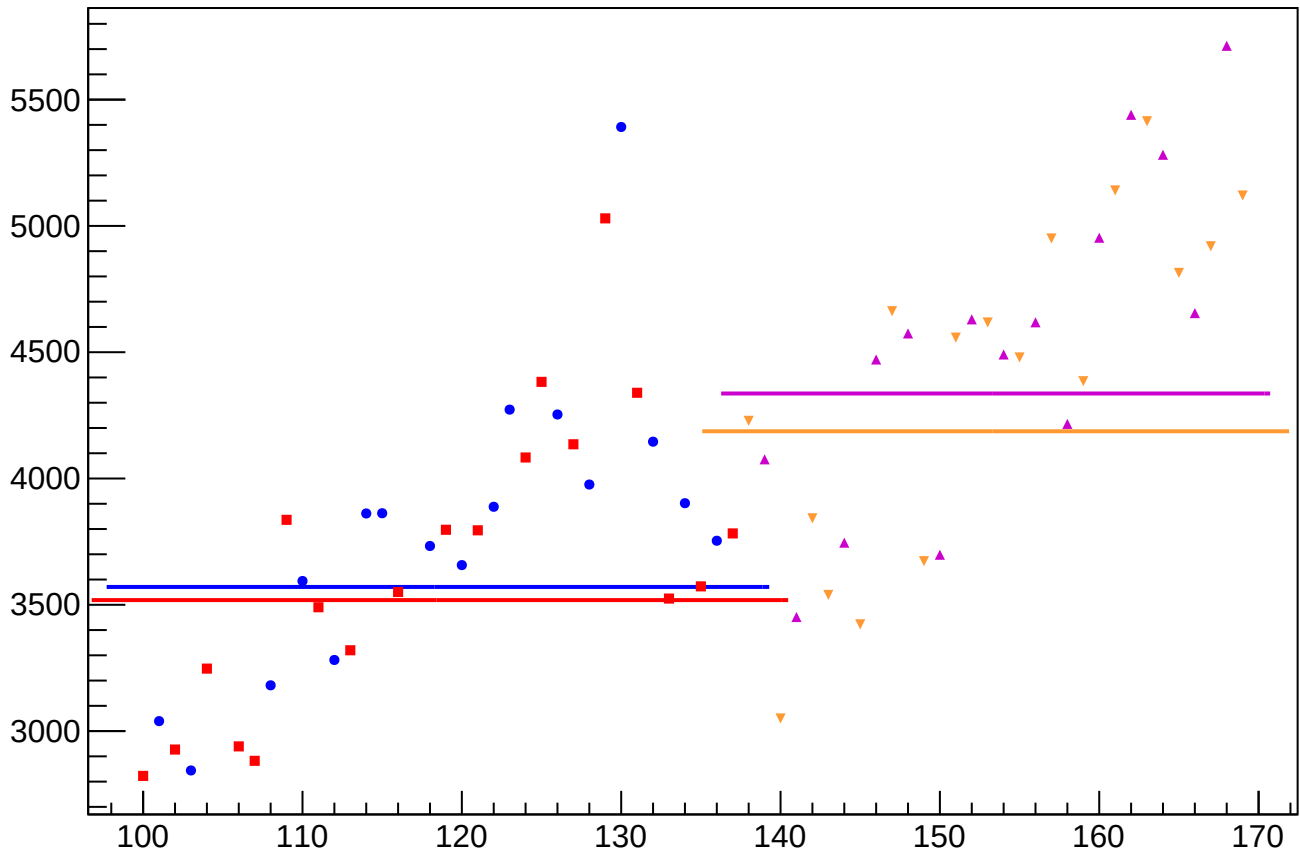
Left In: -2.179 ± 1.285 χ^2/NDF : 21.0/14

+ sign -0.947 ± 0.909 χ^2/NDF : 37.7/33

All: -1.834 ± 0.648 χ^2/NDF : 76.1/67

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

diff_bpm16Y_rms vs Slug



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

Left Out: 4186.917+/-0.847 χ^2/NDF : 699214.4/16

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

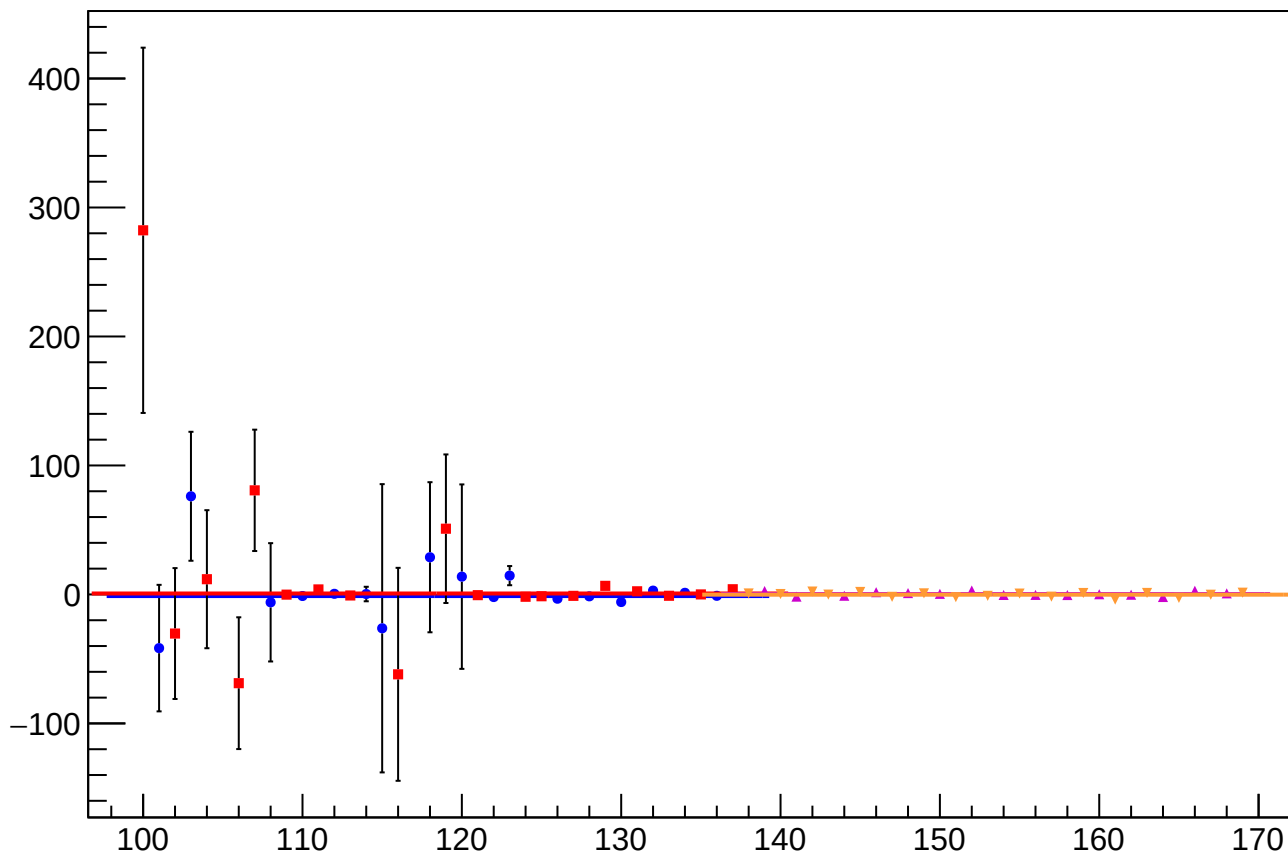
Left In: 4336.535+/-0.908 χ^2/NDF : 457333.9/14

+ sign 3925.380+/-0.643 χ^2/NDF : 1233331.3/33

All: 3933.890+/-0.458 χ^2/NDF : 2374579.9/67

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

diff_bpm1p02bX_mean vs Slug



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

Left Out: -0.165 ± 0.297 χ^2/NDF : 31.7/16

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

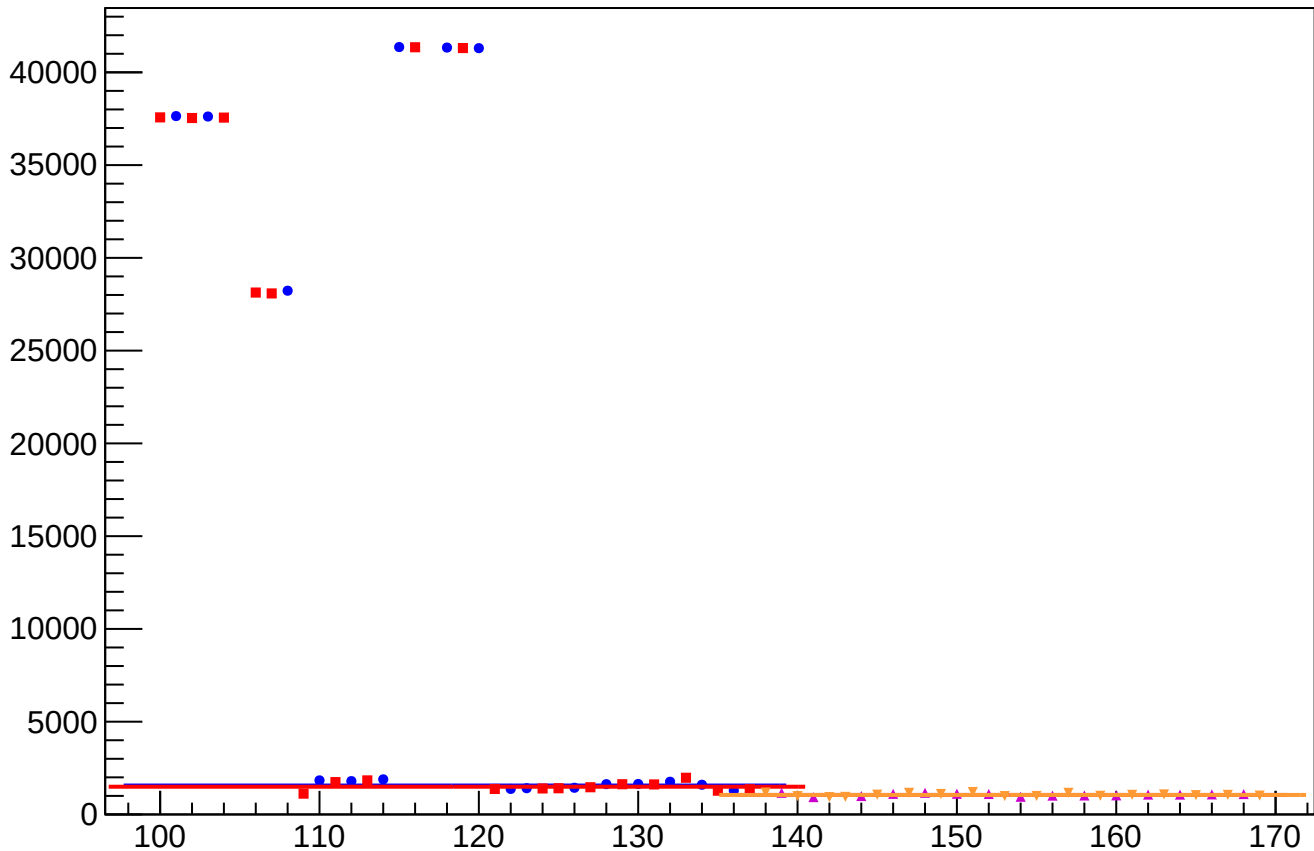
Left In: 0.276 ± 0.309 χ^2/NDF : 22.2/14

+ sign -0.314 ± 0.276 χ^2/NDF : 49.8/33

All: 0.009 ± 0.198 χ^2/NDF : 97.2/67

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

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1051.900 $\pm$ 0.210 χ^2 /NDF: 131645.5/16

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

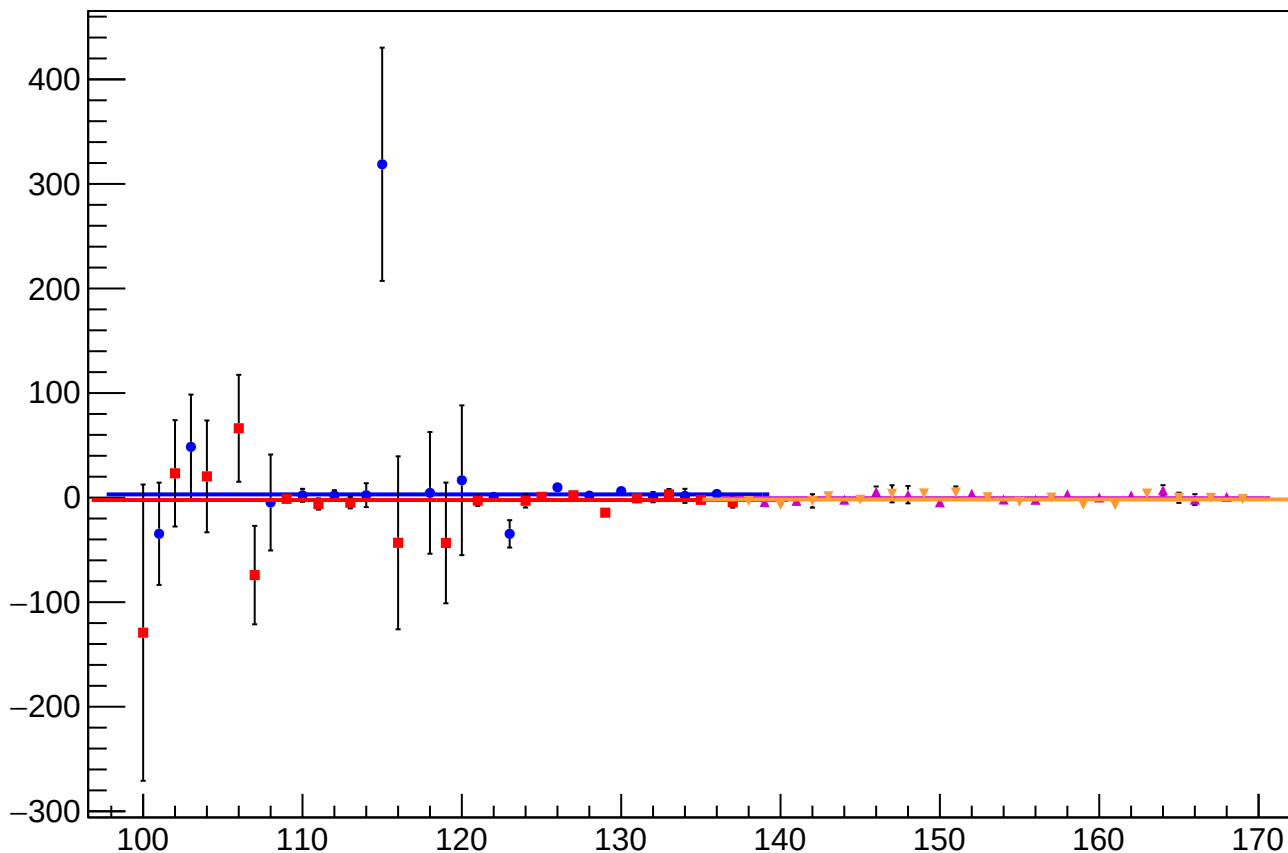
Left In: 1051.665 $\pm$ 0.218 χ^2 /NDF: 101914.9/14

+ sign 1120.822 $\pm$ 0.195 χ^2 /NDF: 5679849.7/33

All: 1121.441 $\pm$ 0.140 χ^2 /NDF: 11328840.4/6

- sign 1122.096 $\pm$ 0.200 χ^2 /NDF: 5648970.0/33

diff_bpm1p02bY_mean vs Slug



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

Left Out: -1.753 ± 0.973 χ^2/NDF : 12.1/16

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

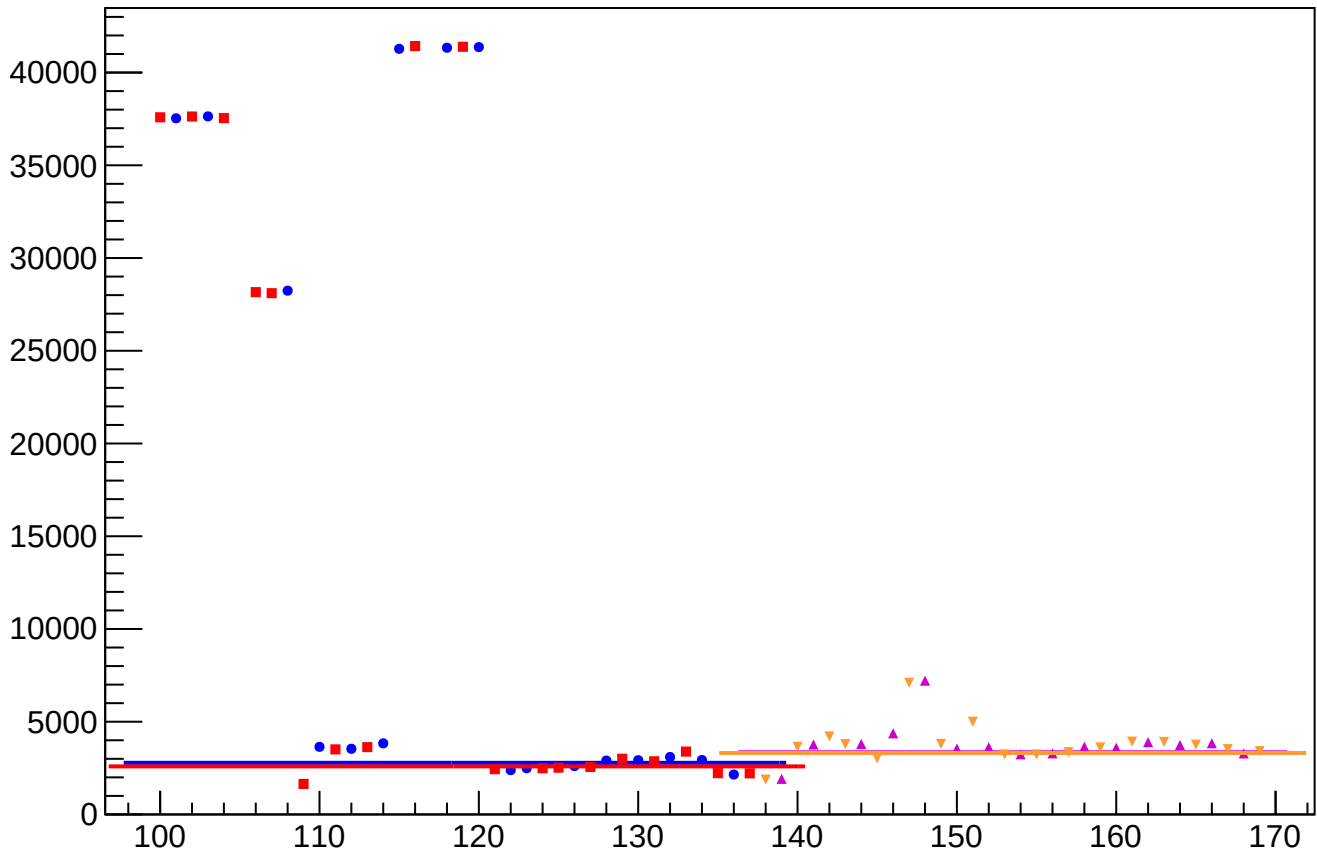
Left In: -0.611 ± 1.021 χ^2/NDF : 10.7/14

+ sign -0.059 ± 0.784 χ^2/NDF : 42.6/33

All: -0.677 ± 0.555 χ^2/NDF : 72.6/67

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

diff_bpm1p02bY_rms vs Slug



Right In: 2783.989 ± 0.936 $\chi^2/\text{NDF}: 4577424.2/16$

Left Out: 3315.544 ± 0.688 $\chi^2/\text{NDF}: 1618061.0/16$

Right Out: 2591.161 ± 0.873 $\chi^2/\text{NDF}: 4846722.1/18$

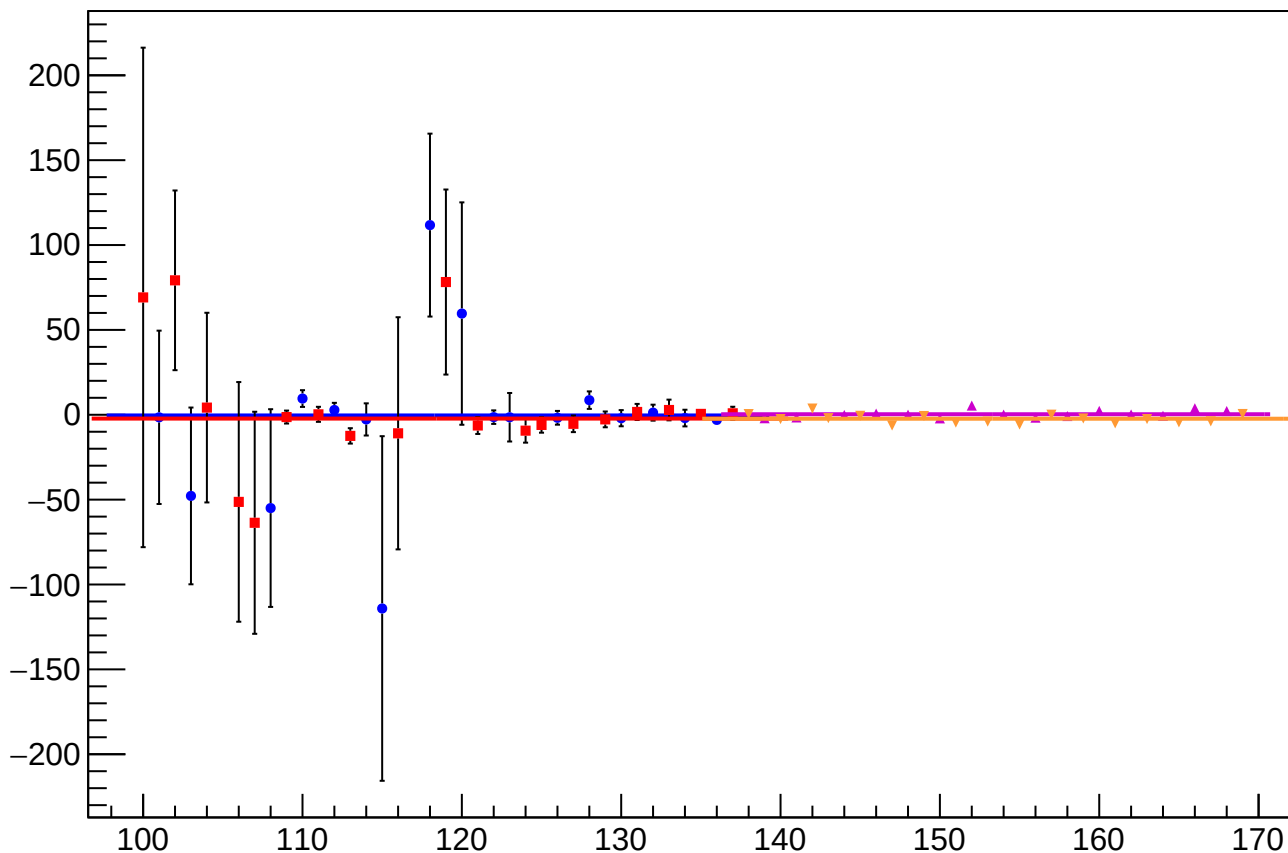
Left In: 3351.716 ± 0.722 $\chi^2/\text{NDF}: 1389013.5/14$

+ sign 3129.073 ± 0.554 $\chi^2/\text{NDF}: 6405011.6/33$

All: 3086.118 ± 0.393 $\chi^2/\text{NDF}: 13103606.0/66$

- sign 3042.832 ± 0.556 $\chi^2/\text{NDF}: 6686532.3/33$

diff_bpm1p03aX_mean vs Slug



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

Left Out: -2.331 ± 0.468 χ^2/NDF : 26.9/16

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

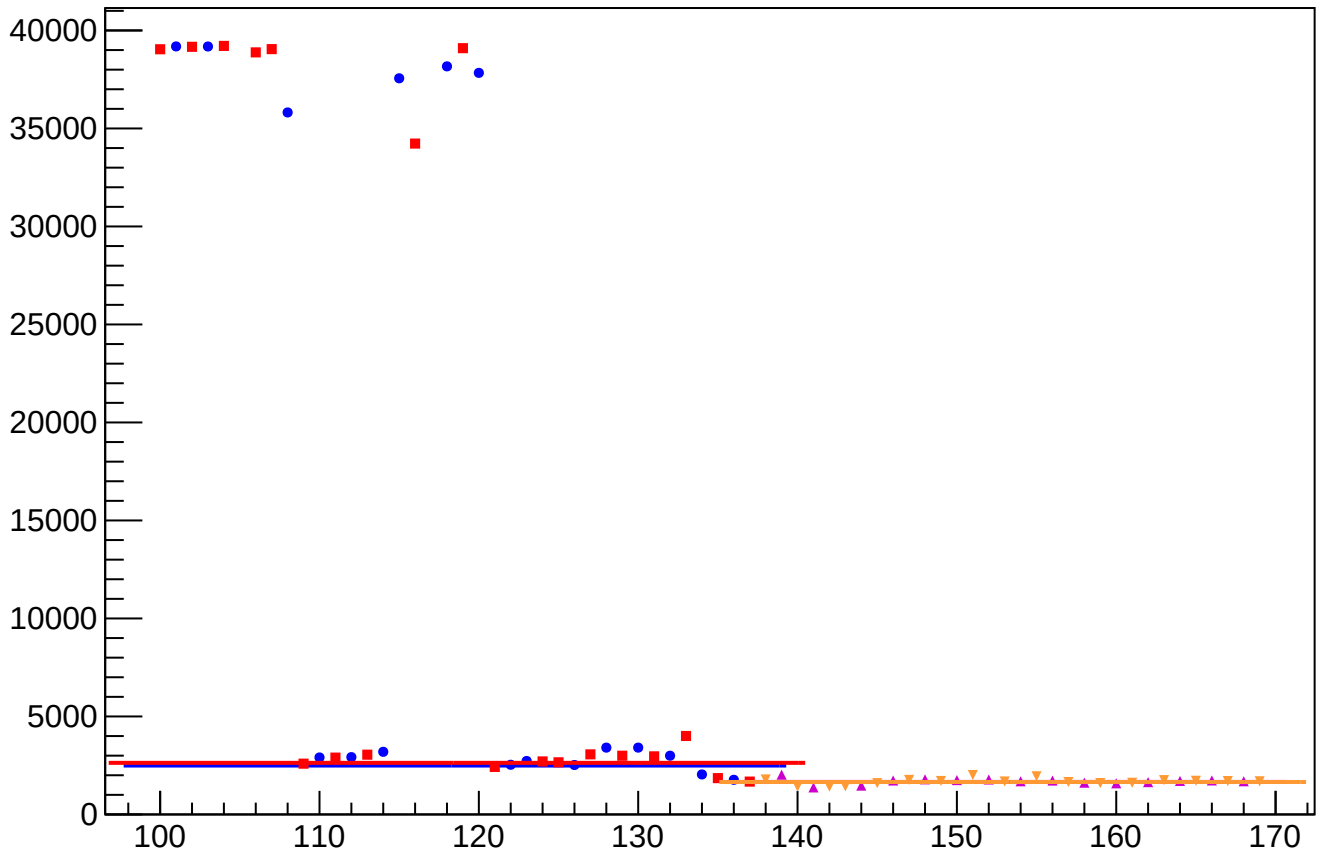
Left In: 0.311 ± 0.488 χ^2/NDF : 17.2/14

+ sign -2.083 ± 0.437 χ^2/NDF : 47.3/33

All: -1.096 ± 0.315 χ^2/NDF : 96.2/67

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

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1656.694 $\pm$ 0.331 χ^2/NDF : 213035.0/16

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

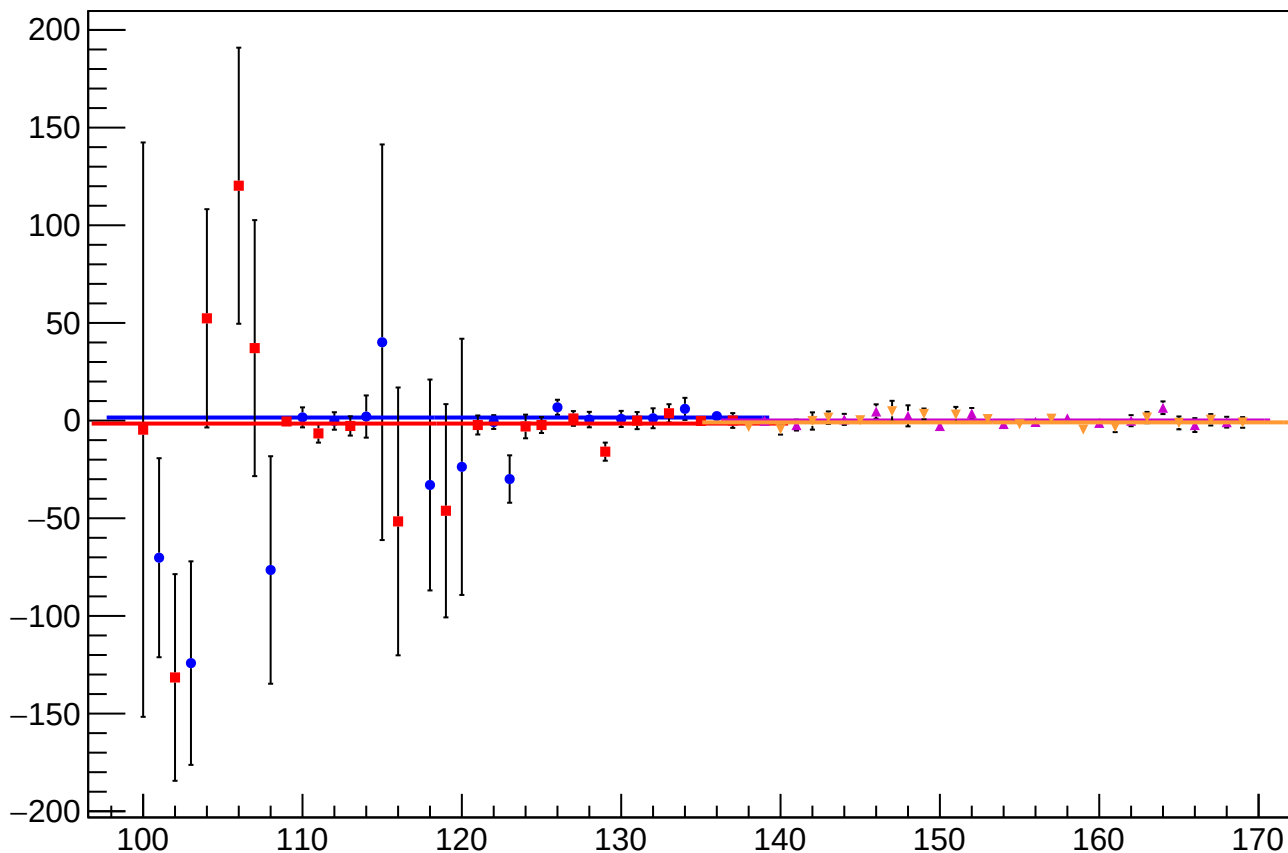
Left In: 1659.817 $\pm$ 0.345 χ^2/NDF : 177265.1/14

+ sign 1764.699 $\pm$ 0.309 χ^2/NDF : 5922229.5/33

All: 1776.563 $\pm$ 0.223 χ^2/NDF : 12021386.5/6

- sign 1789.403 $\pm$ 0.321 χ^2/NDF : 6096087.1/33

diff_bpm1p03aY_mean vs Slug



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

Left Out: -0.907 ± 0.643 χ^2/NDF : 14.8/16

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

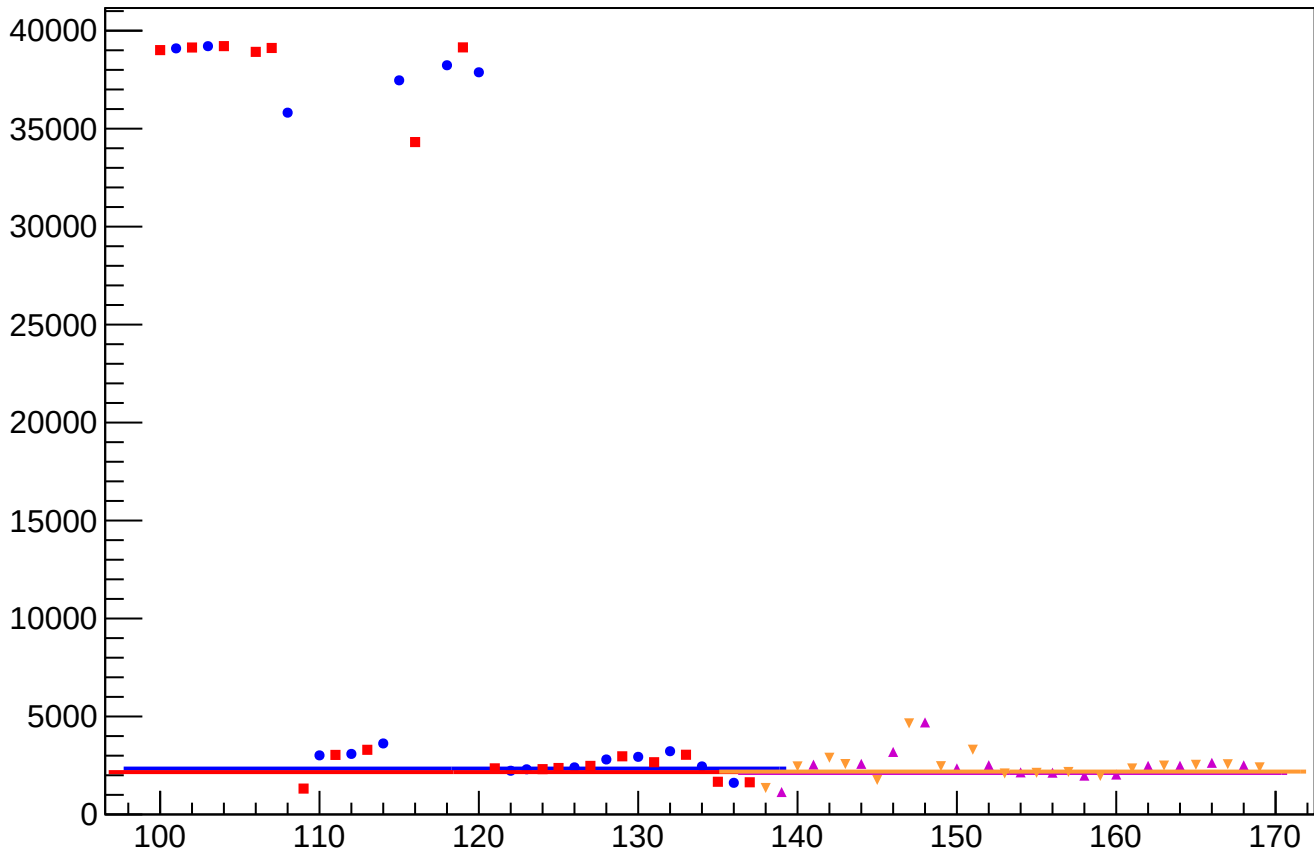
Left In: 0.062 ± 0.653 χ^2/NDF : 11.2/14

+ sign -0.309 ± 0.561 χ^2/NDF : 38.7/33

All: -0.341 ± 0.395 χ^2/NDF : 76.5/67

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

diff_bpm1p03aY_rms vs Slug



Right In: 2341.130 $\pm$ 0.808 χ^2 /NDF: 5006864.7/16

Left Out: 2188.196 $\pm$ 0.455 χ^2 /NDF: 1390852.2/16

Right Out: 2161.162 $\pm$ 0.751 χ^2 /NDF: 5299050.1/18

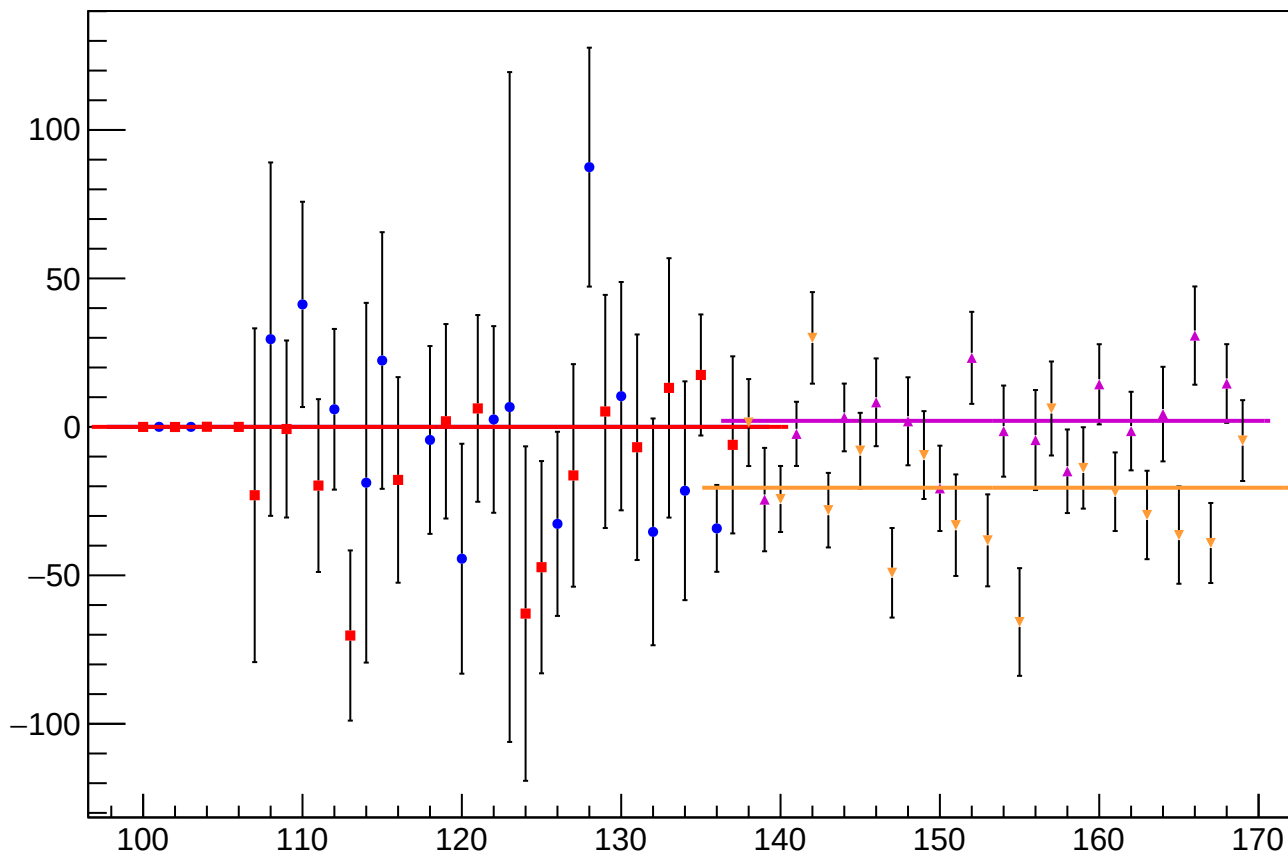
Left In: 2117.698 $\pm$ 0.462 χ^2 /NDF: 1919043.2/14

+ sign 2225.005 $\pm$ 0.396 χ^2 /NDF: 6424906.3/33

All: 2176.963 $\pm$ 0.279 χ^2 /NDF: 13674574.3/6

- sign 2129.632 $\pm$ 0.394 χ^2 /NDF: 7220522.6/33

diff_cav4bX_mean vs Slug



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

Left Out: -20.494 ± 3.467 χ^2/NDF : 34.3/16

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

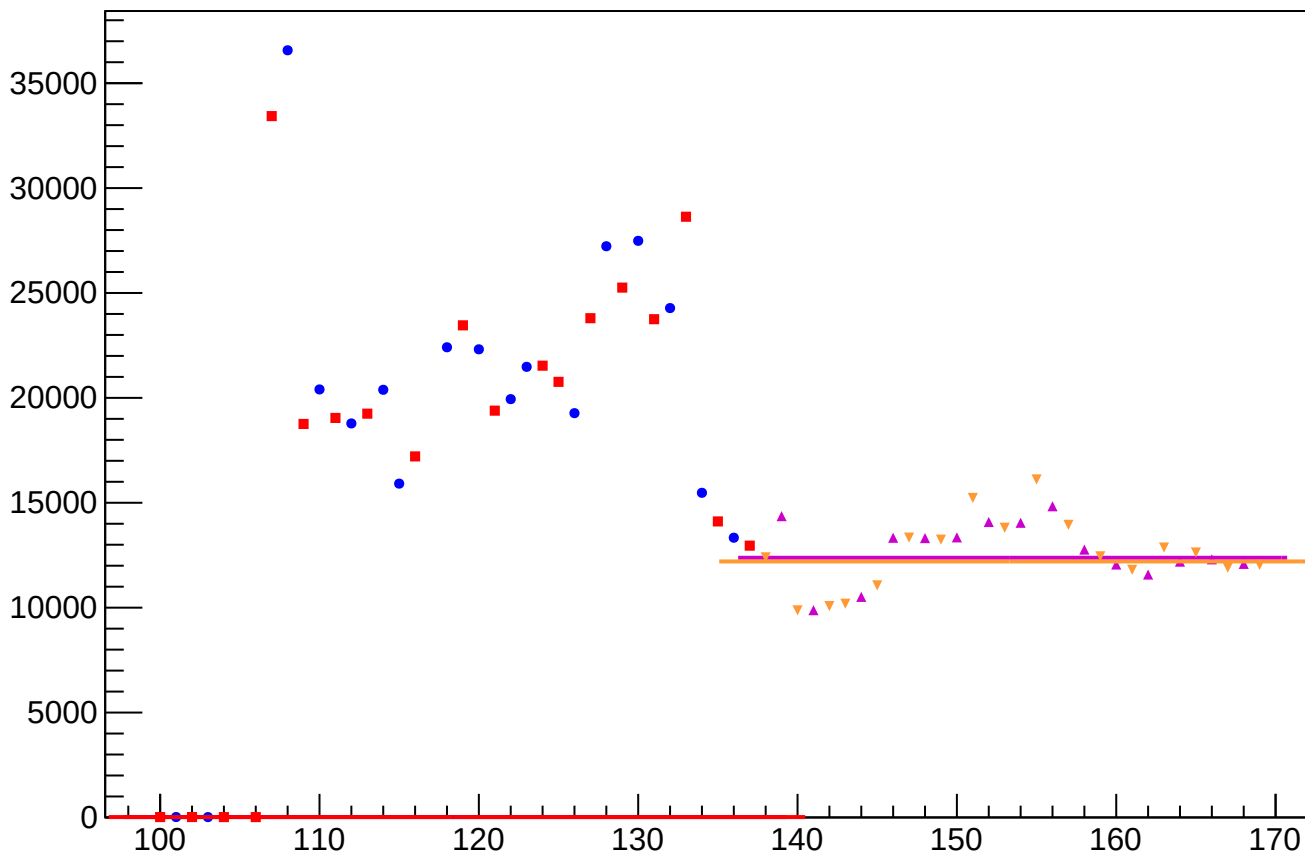
Left In: 2.035 ± 3.652 χ^2/NDF : 13.5/14

+ sign 0.013 ± 0.017 χ^2/NDF : 85.4/33

All: 0.008 ± 0.012 χ^2/NDF : 115.3/67

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

diff_cav4bX_rms vs Slug



Right In: 18.642+/-0.012 χ^2/NDF : 10984160.5/16

Left Out: 12203.482+/-2.451 χ^2/NDF : 425493.0/16

Right Out: 18.311+/-0.011 χ^2/NDF : 11110665.6/18

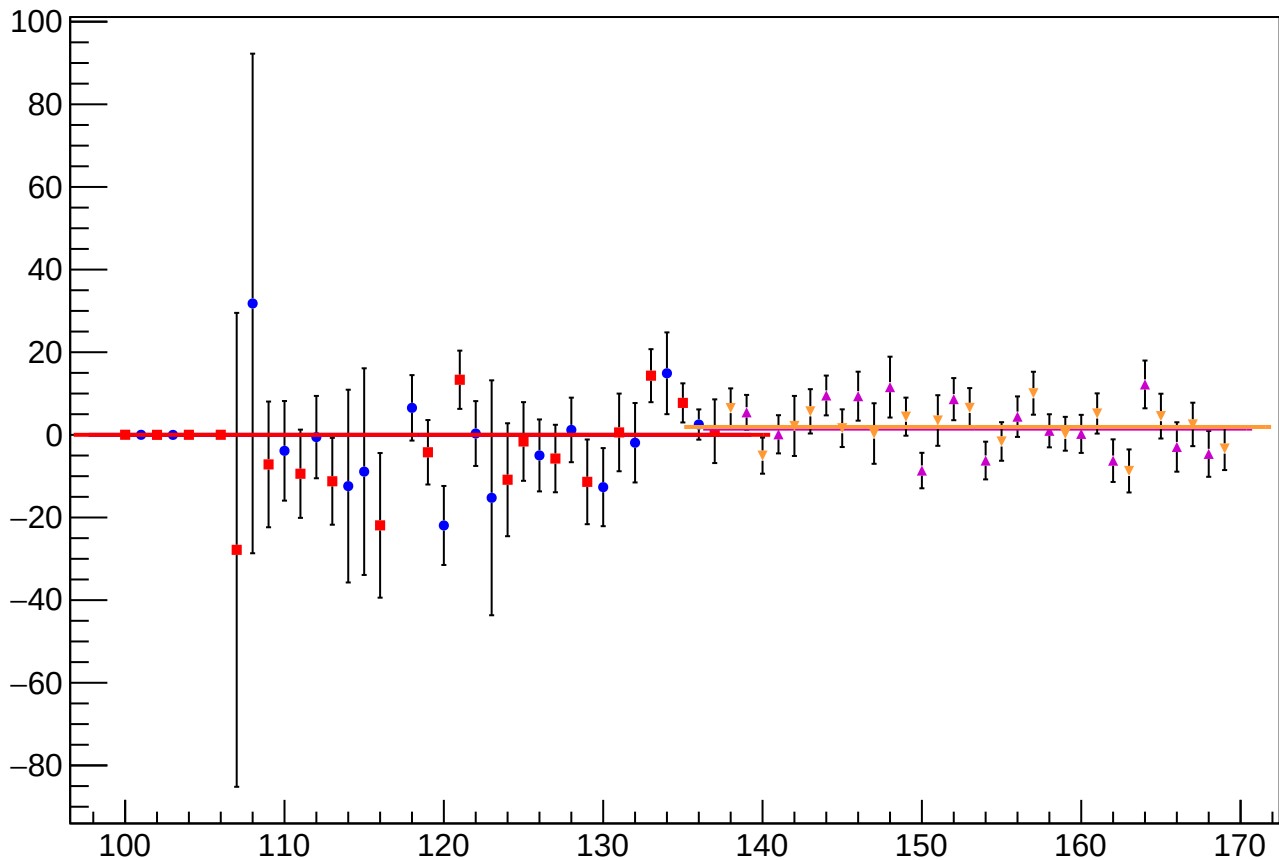
Left In: 12378.315+/-2.582 χ^2/NDF : 313394.4/14

+ sign 18.946+/-0.012 χ^2/NDF : 36113931.0/33

All: 18.734+/-0.008 χ^2/NDF : 70449812.8/67

- sign 18.551+/-0.011 χ^2/NDF : 34335322.1/33

diff_cav4bY_mean vs Slug



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

Left Out: 1.909 $\pm$ 1.228 χ^2 /NDF:14.4/16

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

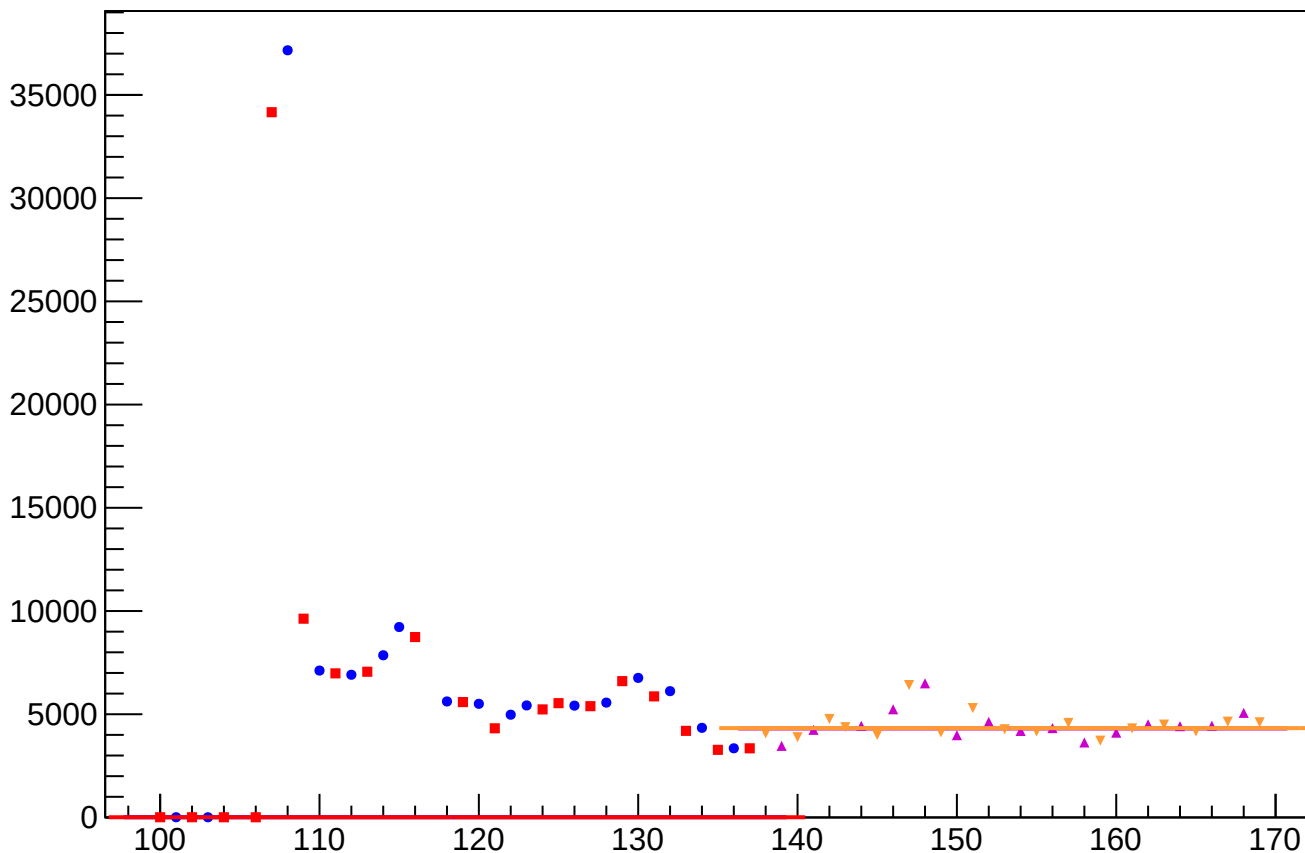
Left In: 1.509 $\pm$ 1.277 χ^2 /NDF:25.7/14

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 29.8/33

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 76.5/67

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

diff_cav4bY_rms vs Slug



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

Left Out: 4327.162 $\pm$ 0.869 χ^2 /NDF:328392.7/16

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

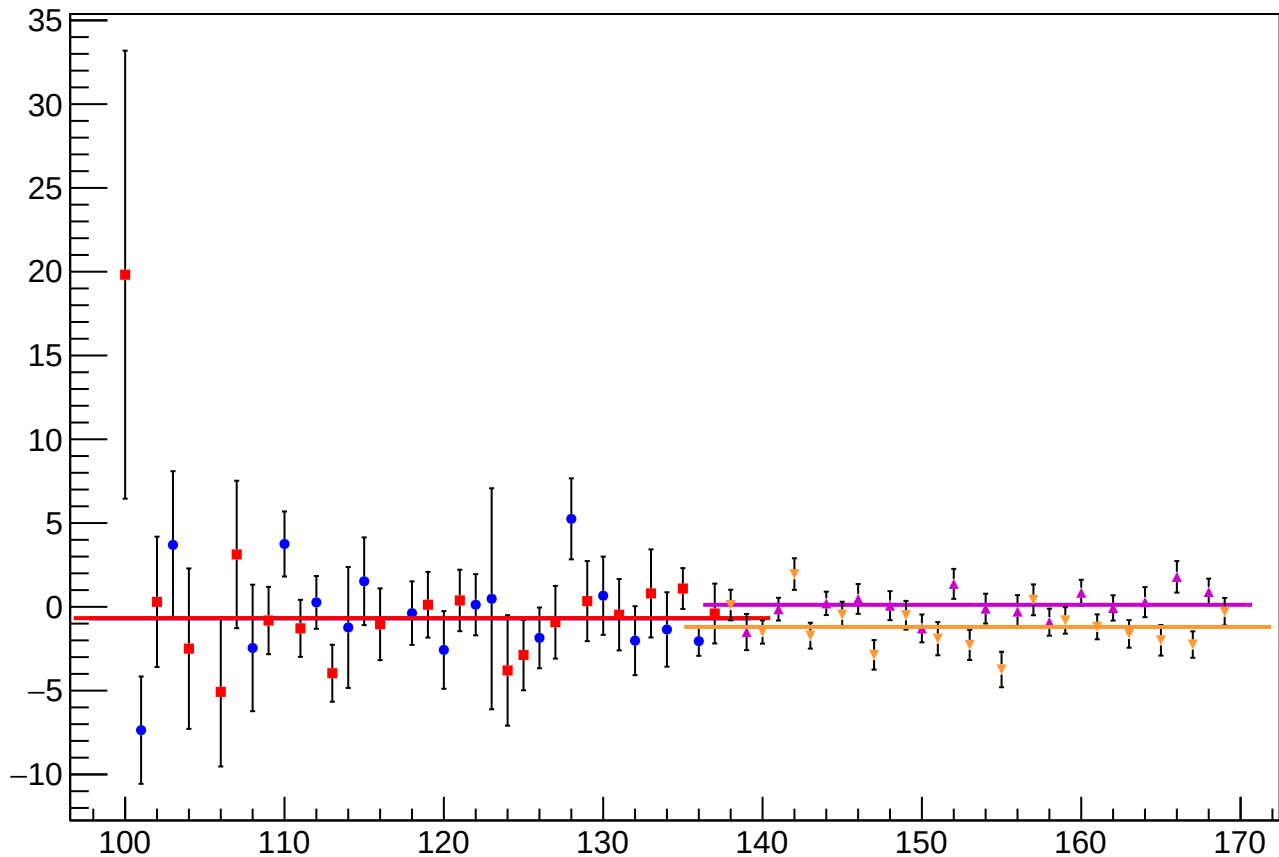
Left In: 4308.899 $\pm$ 0.903 χ^2 /NDF:431077.8/14

+ sign 10.181 $\pm$ 0.007 χ^2 /NDF: 36149618.4/33

All: 10.112 $\pm$ 0.004 χ^2 /NDF: 70396140.1/67

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

diff_cav4cX_mean vs Slug



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

Left Out: -1.200 ± 0.205 χ^2/NDF : 34.0/16

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

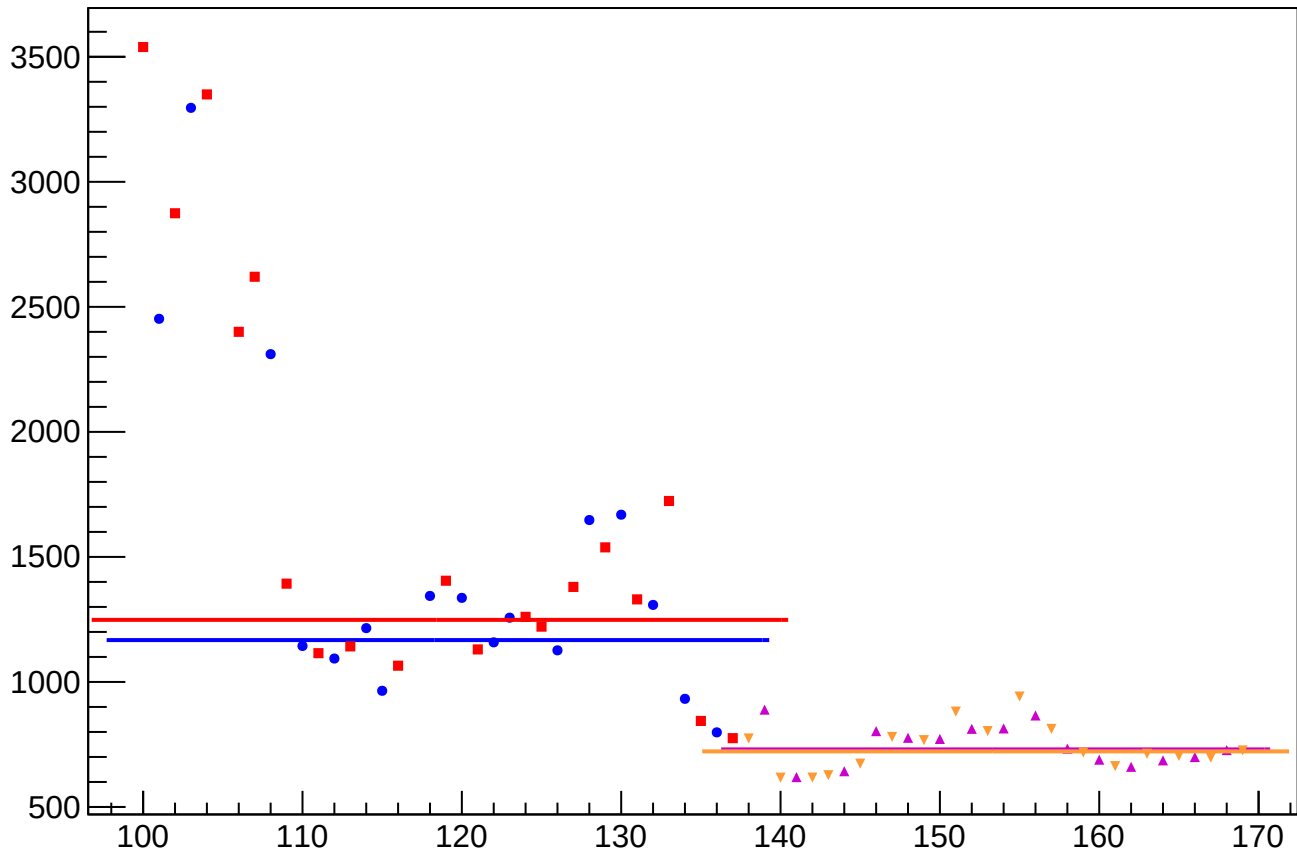
Left In: 0.121 ± 0.215 χ^2/NDF : 14.3/14

+ sign -1.122 ± 0.188 χ^2/NDF : 57.5/33

All: -0.589 ± 0.136 χ^2/NDF : 104.0/67

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

diff_cav4cX_rms vs Slug



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

Left Out: 722.299 $\pm$ 0.145 χ^2 /NDF: 317660.4/16

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

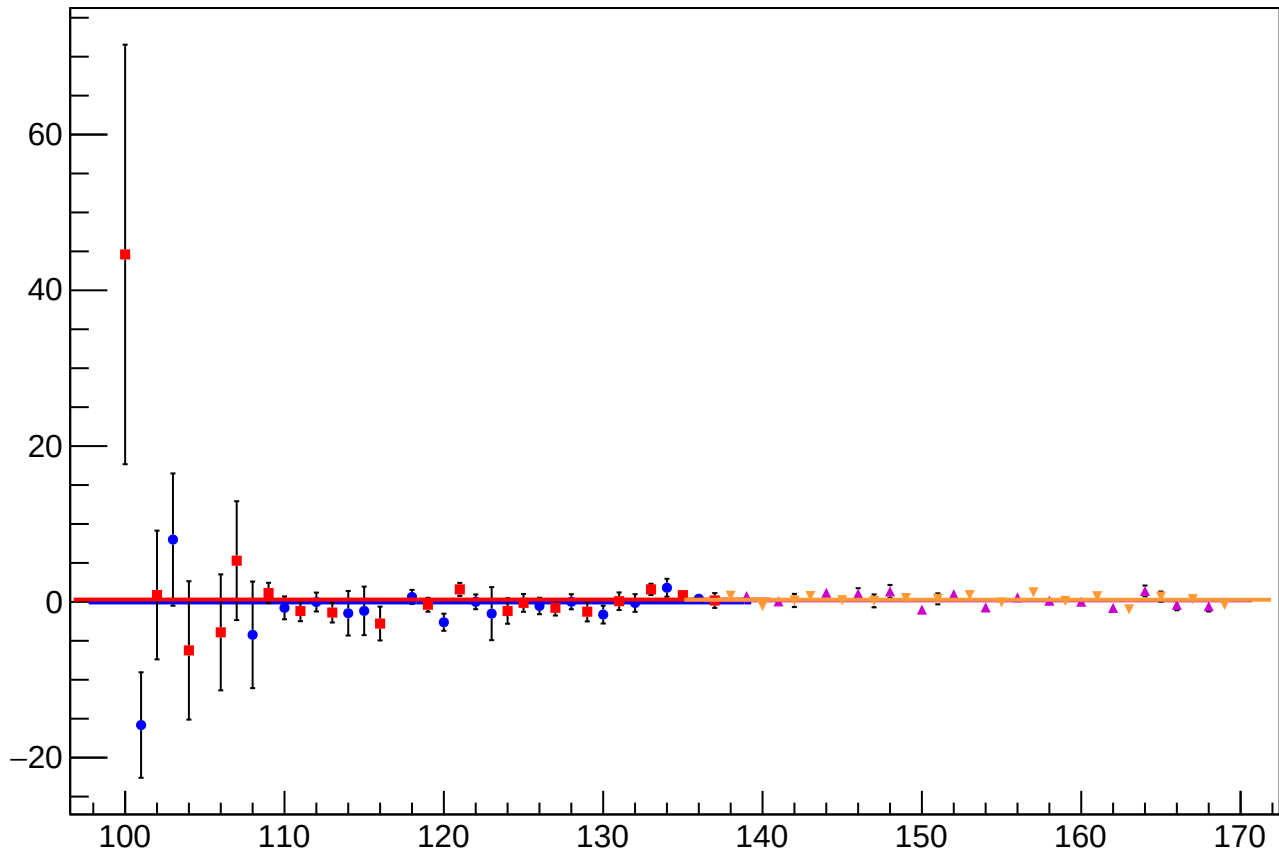
Left In: 730.264 $\pm$ 0.152 χ^2 /NDF: 255207.9/14

+ sign 790.231 $\pm$ 0.133 χ^2 /NDF: 3339544.4/33

All: 800.105 $\pm$ 0.096 χ^2 /NDF: 7067388.7/67

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

diff_cav4cY_mean vs Slug



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

Left Out: 0.273 ± 0.147 χ^2/NDF : 13.8/16

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

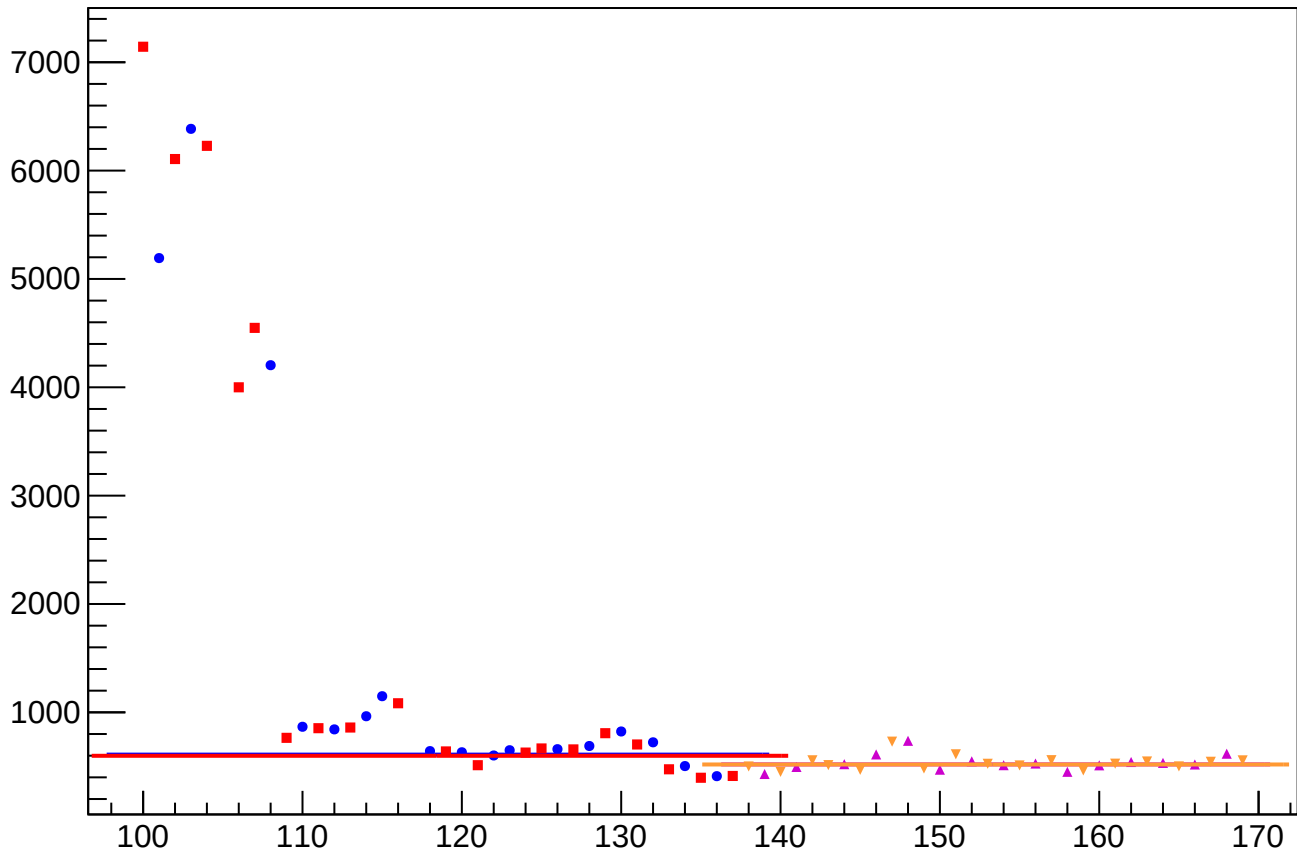
Left In: 0.199 ± 0.154 χ^2/NDF : 25.3/14

+ sign 0.194 ± 0.129 χ^2/NDF : 34.3/33

All: 0.208 ± 0.093 χ^2/NDF : 79.9/67

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

diff_cav4cY_rms vs Slug



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

Left Out: 518.803 $\pm$ 0.104 χ^2 /NDF: 280787.3/16

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

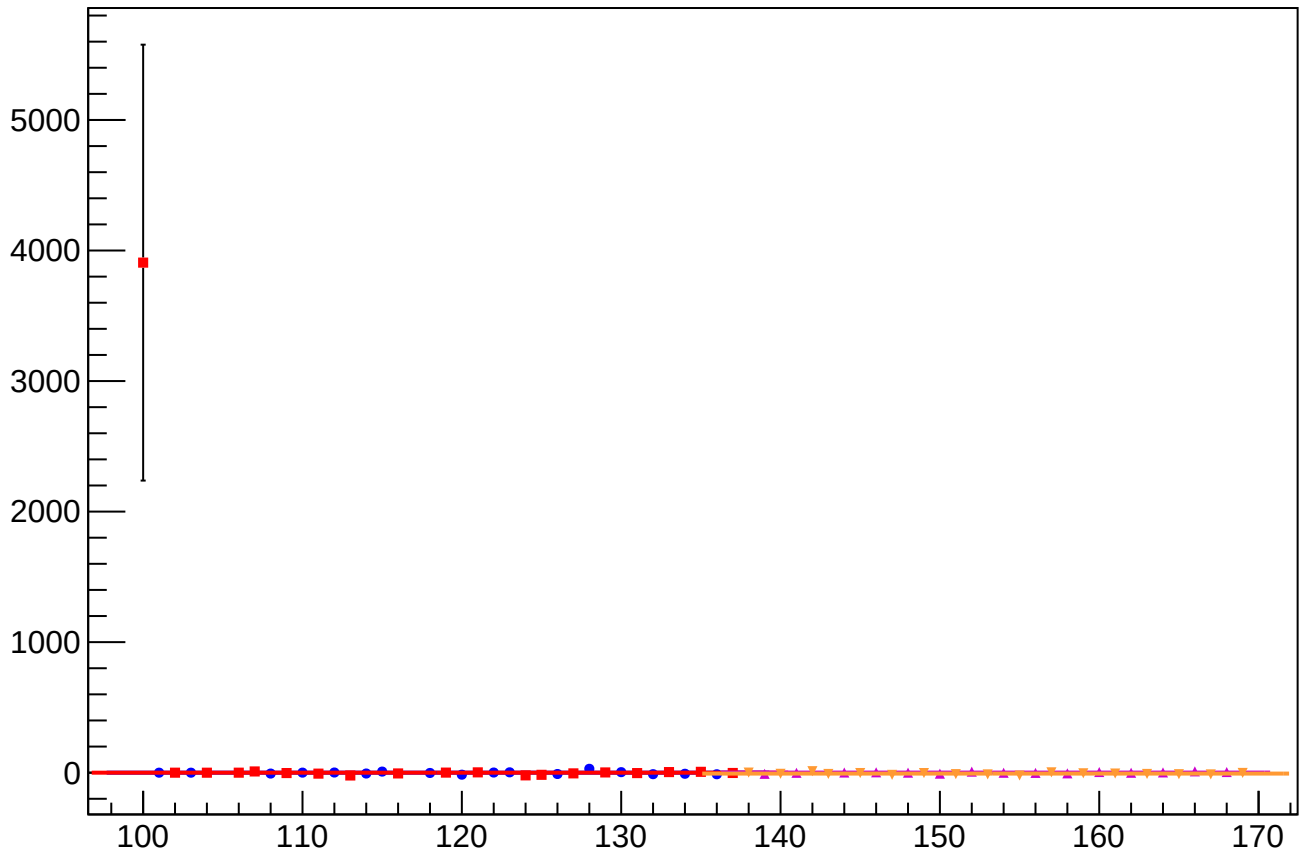
Left In: 519.488 $\pm$ 0.109 χ^2 /NDF: 340510.0/14

+ sign 539.785 $\pm$ 0.091 χ^2 /NDF: 3593319.1/33

All: 539.704 $\pm$ 0.065 χ^2 /NDF: 7621873.0/67

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

diff_cav4dX_mean vs Slug



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

Left Out: -6.947 ± 1.193 χ^2/NDF : 34.0/16

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

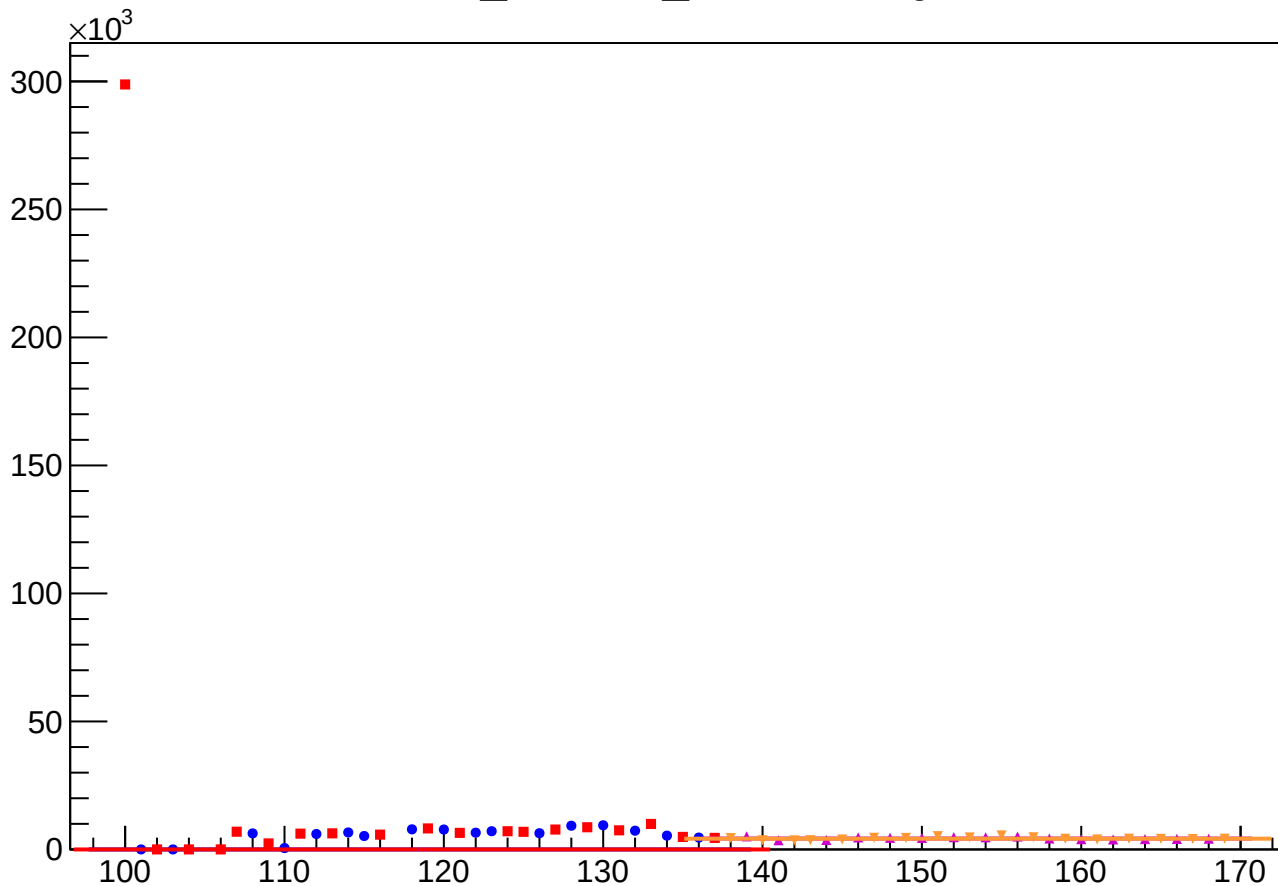
Left In: 0.720 ± 1.255 χ^2/NDF : 14.0/14

+ sign -0.024 ± 0.021 χ^2/NDF : 83.4/33

All: -0.025 ± 0.014 χ^2/NDF : 115.6/67

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

diff_cav4dX_rms vs Slug



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

Left Out: 4206.788 $\pm$ 0.843 χ^2 /NDF: 335435.9/16

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

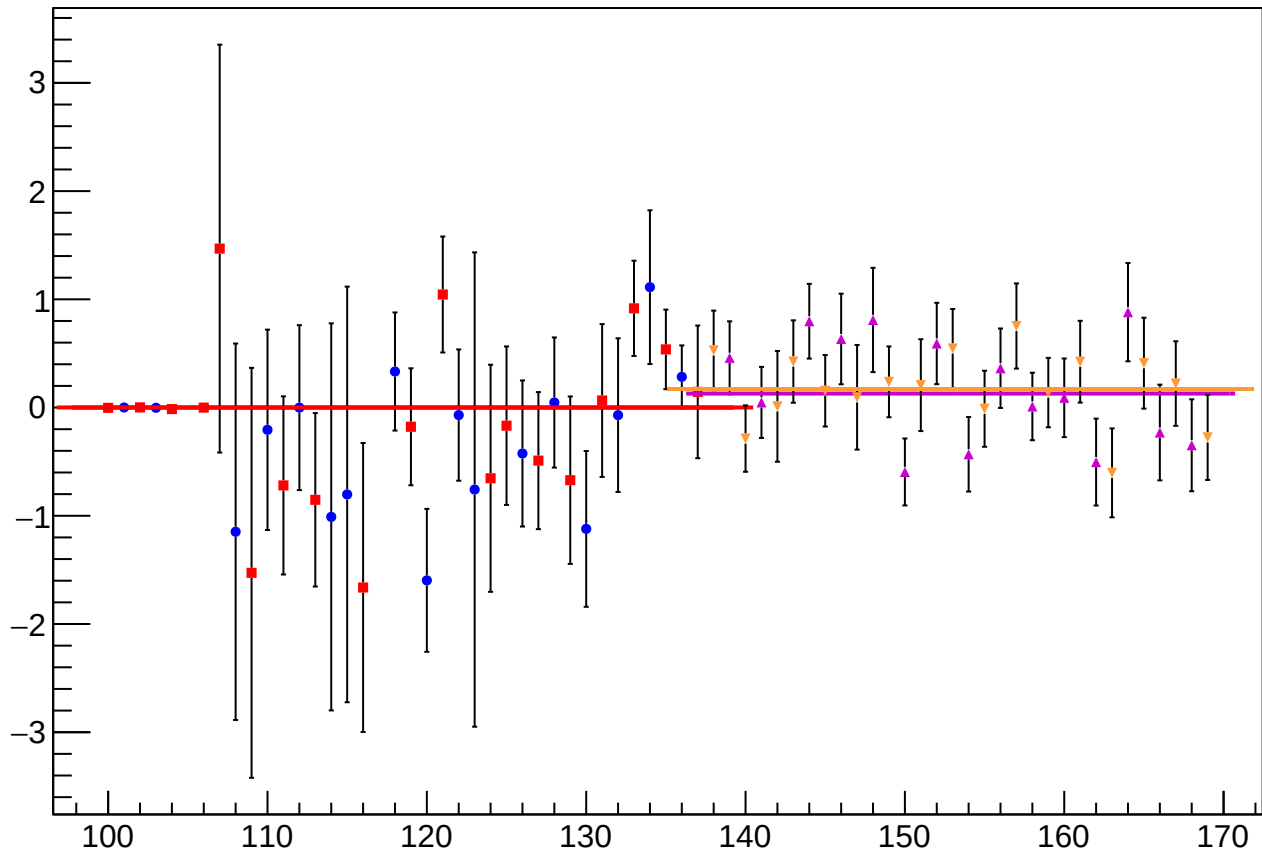
Left In: 4262.092 $\pm$ 0.888 χ^2 /NDF: 259037.6/14

+ sign 18.614 $\pm$ 0.015 χ^2 /NDF: 35511919.6/33

All: 18.461 $\pm$ 0.010 χ^2 /NDF: 69448315.1/67

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

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 13.8/16

Left Out: 0.171 $\pm$ 0.091 χ^2 /NDF:12.9/16

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 17.9/18

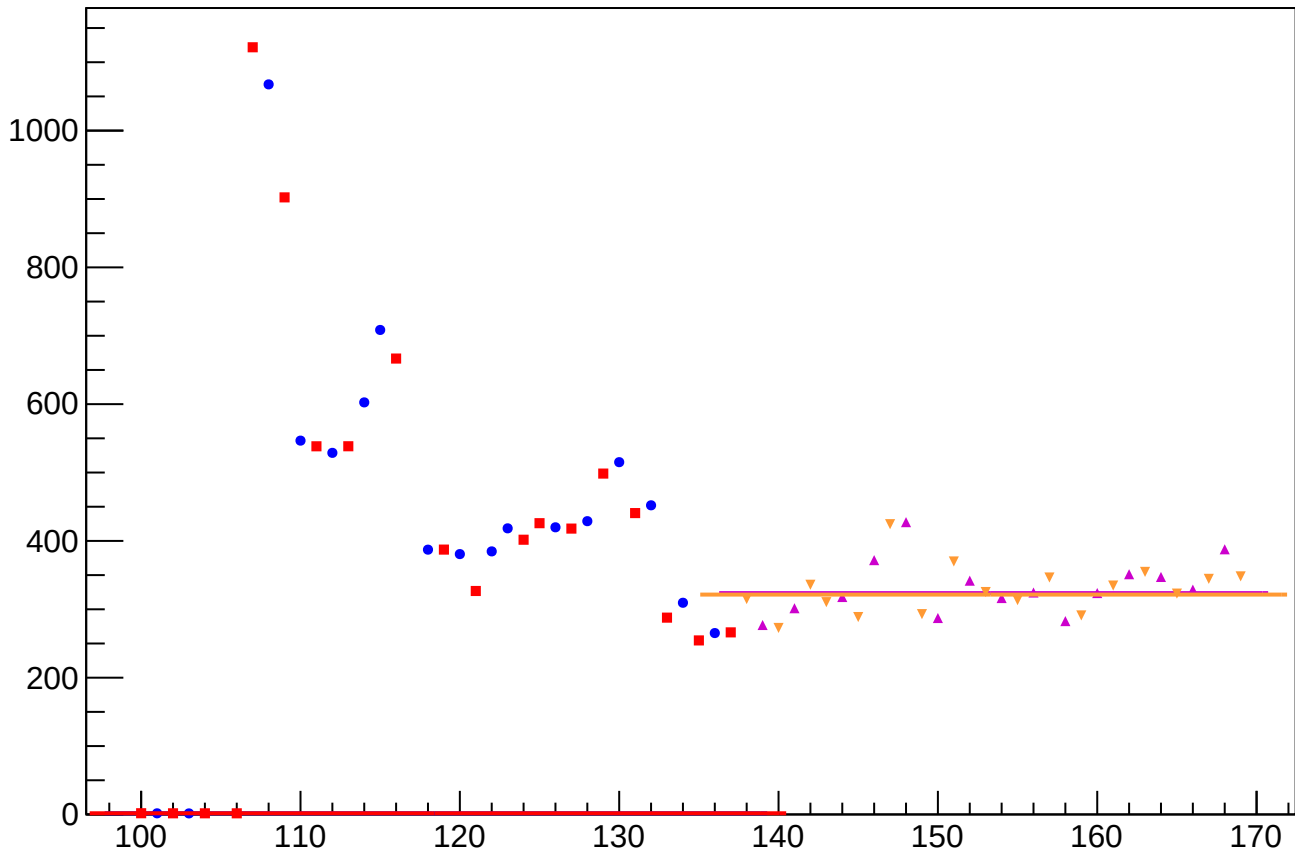
Left In: 0.129 $\pm$ 0.096 χ^2 /NDF:25.6/14

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 30.2/33

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 75.6/67

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 45.3/33

diff_cav4dY_rms vs Slug



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

Left Out: 321.514+/-0.064 χ^2/NDF : 265308.5/16

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

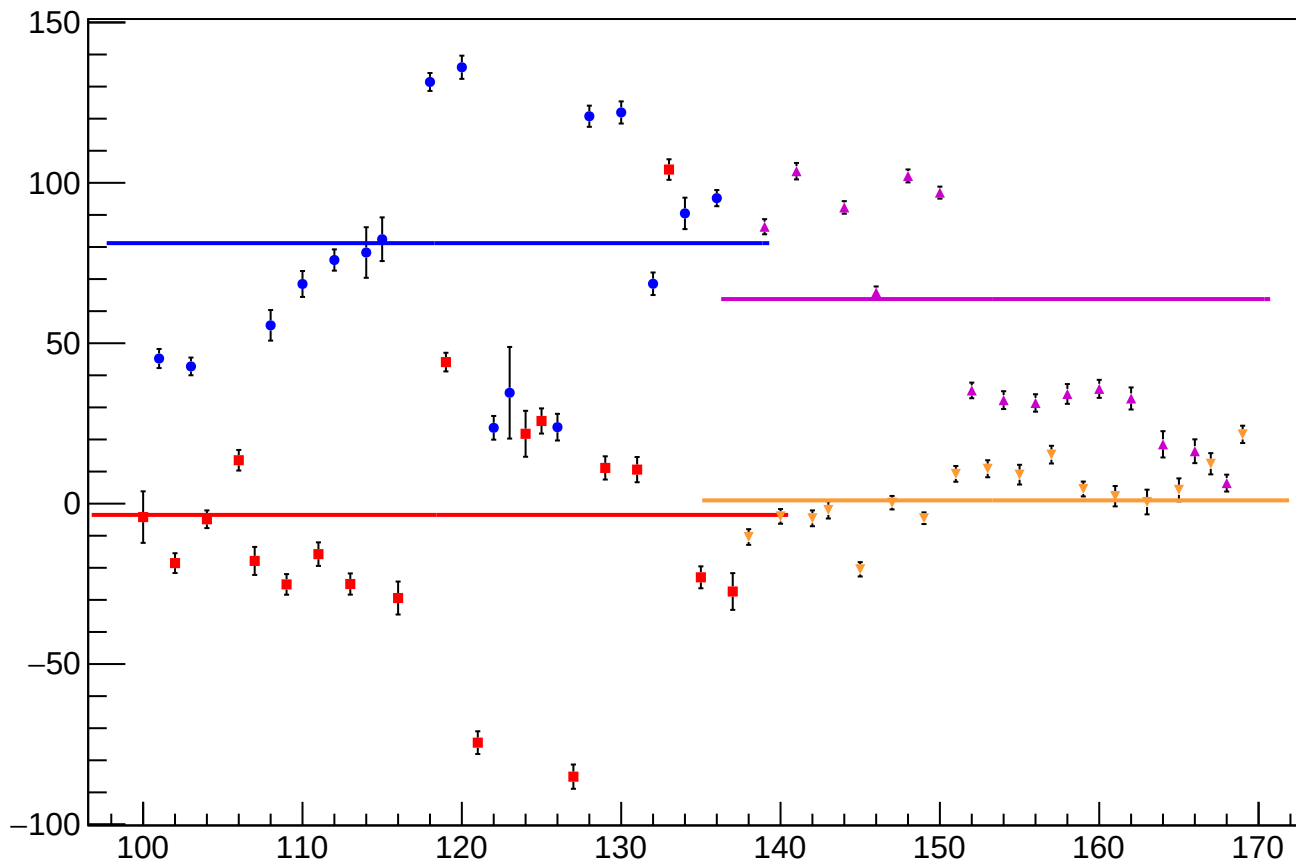
Left In: 323.681+/-0.068 χ^2/NDF : 295579.5/14

+ sign 1.857+/-0.001 χ^2/NDF : 35958018.6/33

All: 1.859+/-0.001 χ^2/NDF : 69672402.7/67

- sign 1.861+/-0.001 χ^2/NDF : 33714380.8/33

diff_bpm0i01X_mean vs Slug



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

Left Out: 1.023 $\pm$ 0.621 χ^2 /NDF: 266.7/16

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

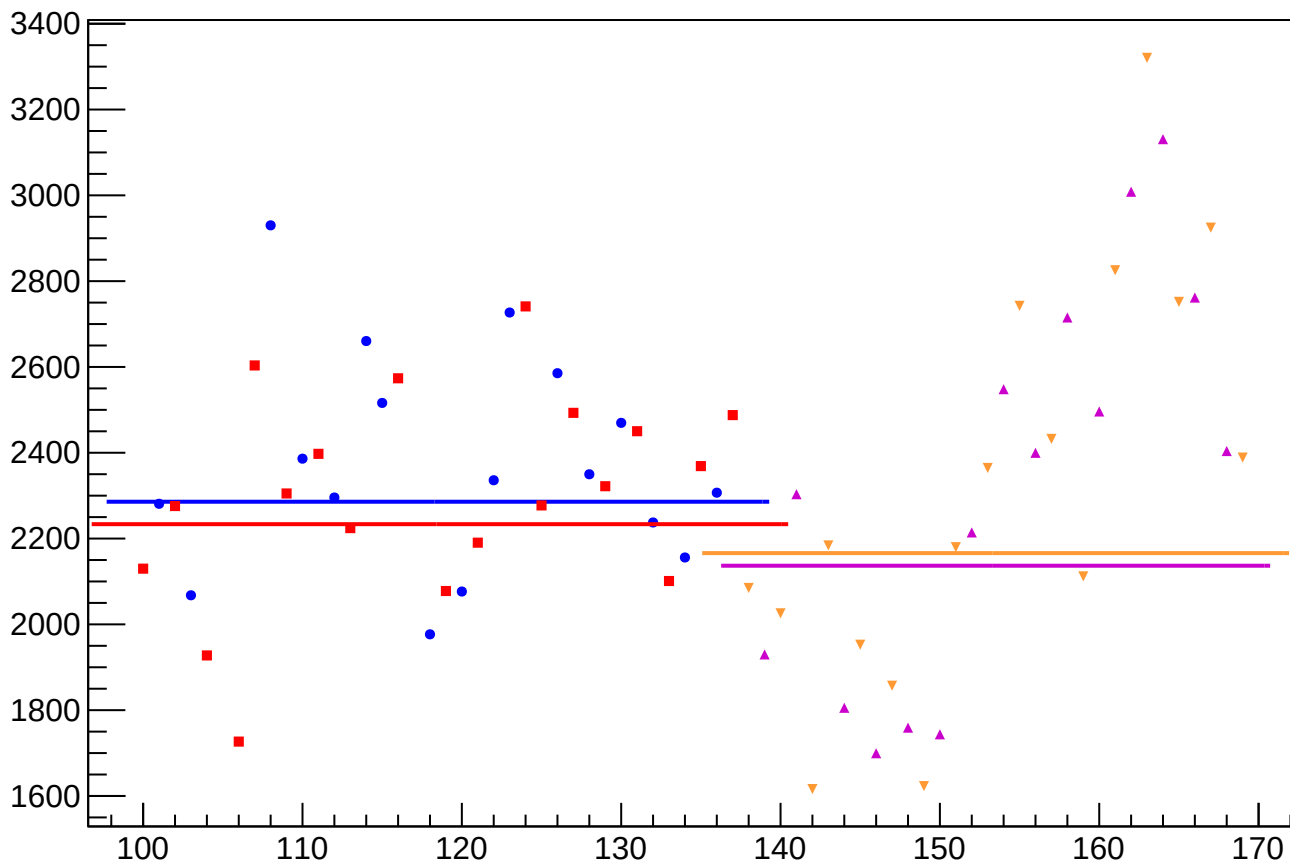
Left In: 63.768 $\pm$ 0.642 χ^2 /NDF: 2657.8/14

+ sign 27.438 $\pm$ 0.508 χ^2 /NDF: 7471.5/33

All: 33.224 $\pm$ 0.360 χ^2 /NDF: 17023.1/67

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

diff_bpm0i01X_rms vs Slug



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

Left Out: 2166.081+/-0.439 χ^2/NDF : 888839.5/16

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

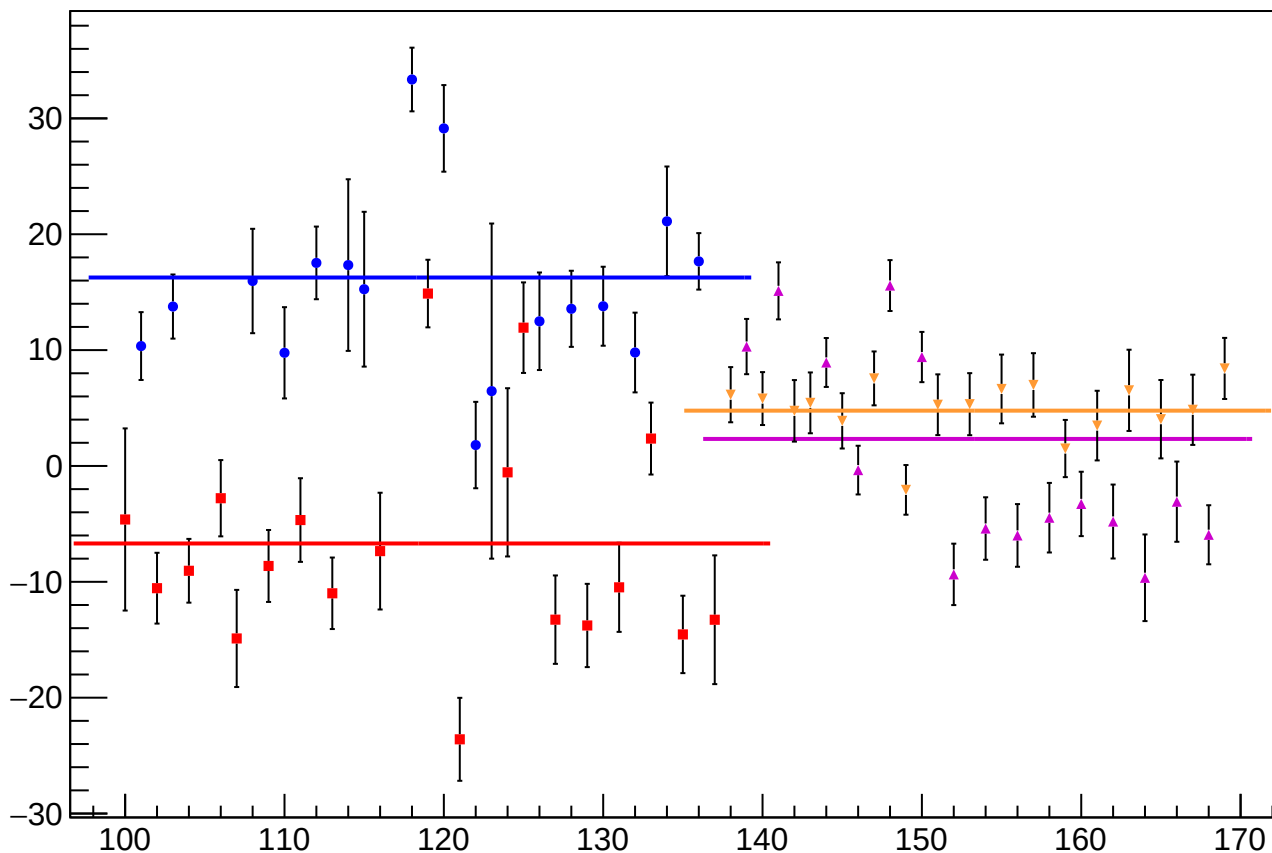
Left In: 2136.721+/-0.454 χ^2/NDF : 837231.1/14

+ sign 2205.543+/-0.359 χ^2/NDF : 1022701.1/33

All: 2188.985+/-0.255 χ^2/NDF : 2027756.1/67

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

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.774 $\pm$ 0.637 χ^2 /NDF:17.6/16

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

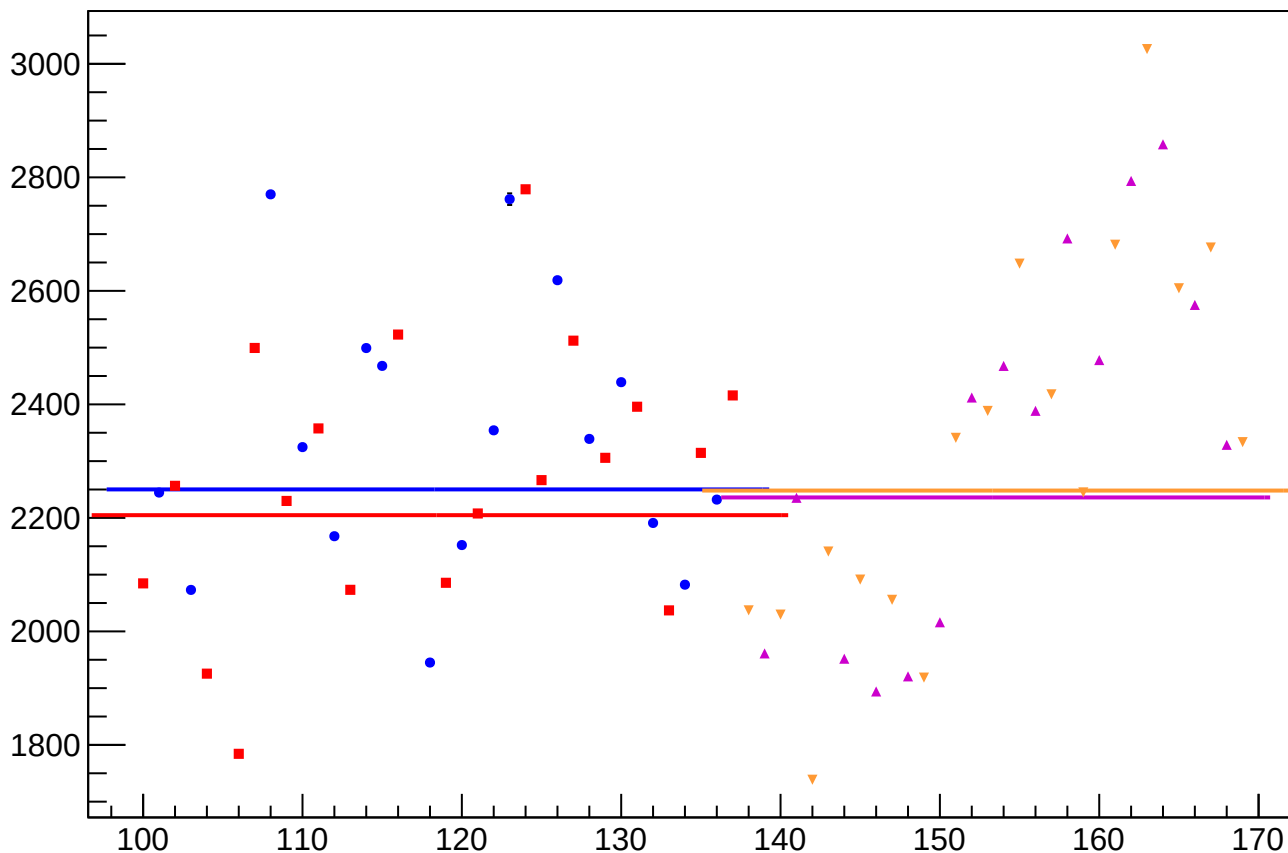
Left In: 2.333 $\pm$ 0.663 χ^2 /NDF:171.1/14

+ sign 8.780 $\pm$ 0.515 χ^2 /NDF: 211.7/33

All: 3.836 $\pm$ 0.365 χ^2 /NDF: 774.7/67

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

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2248.151+/-0.451 χ^2/NDF : 436813.9/16

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

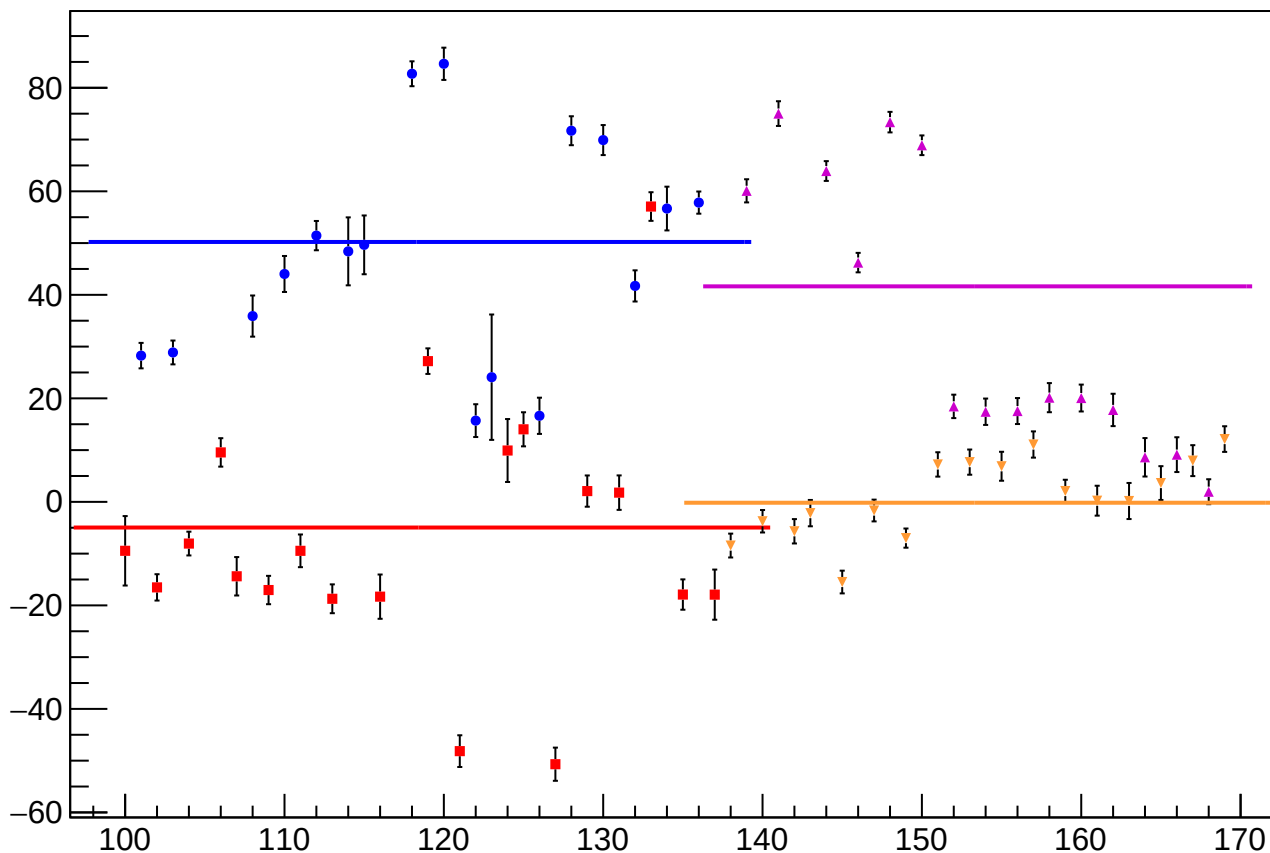
Left In: 2236.018+/-0.469 χ^2/NDF : 407142.3/14

+ sign 2248.857+/-0.364 χ^2/NDF : 534399.0/33

All: 2236.451+/-0.258 χ^2/NDF : 1071837.5/67

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

diff_bpm0i01aX_mean vs Slug



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

Left Out: -0.168+/-0.590 χ^2/NDF : 165.3/16

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

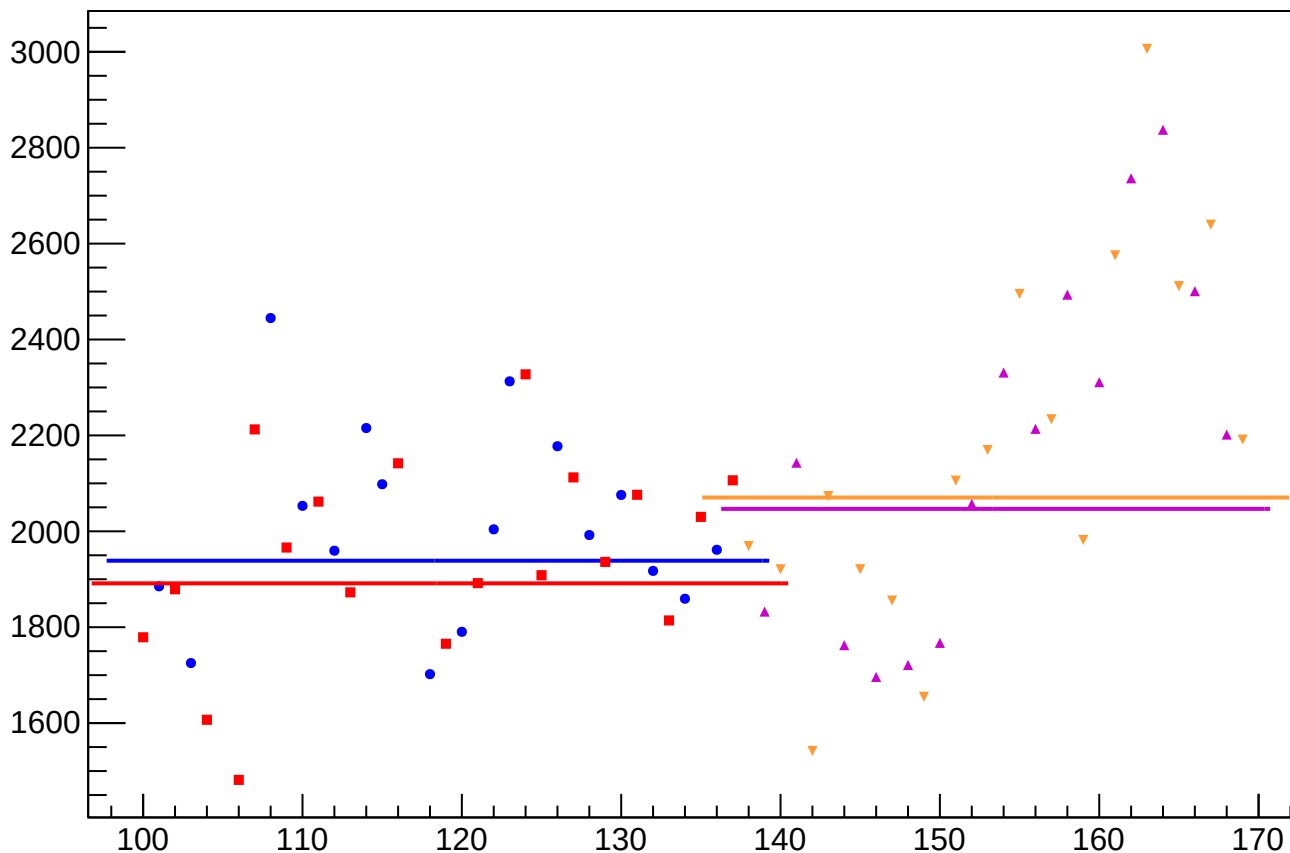
Left In: 41.639+/-0.611 χ^2/NDF : 1783.5/14

+ sign 19.059+/-0.464 χ^2/NDF : 3780.5/33

All: 20.493+/-0.328 χ^2/NDF : 9307.2/67

- sign 21.928+/-0.464 χ^2/NDF : 5507.6/33

diff_bpm0i01aX_rms vs Slug



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

Left Out: 2070.412+/-0.417 χ^2 /NDF: 625469.2/16

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

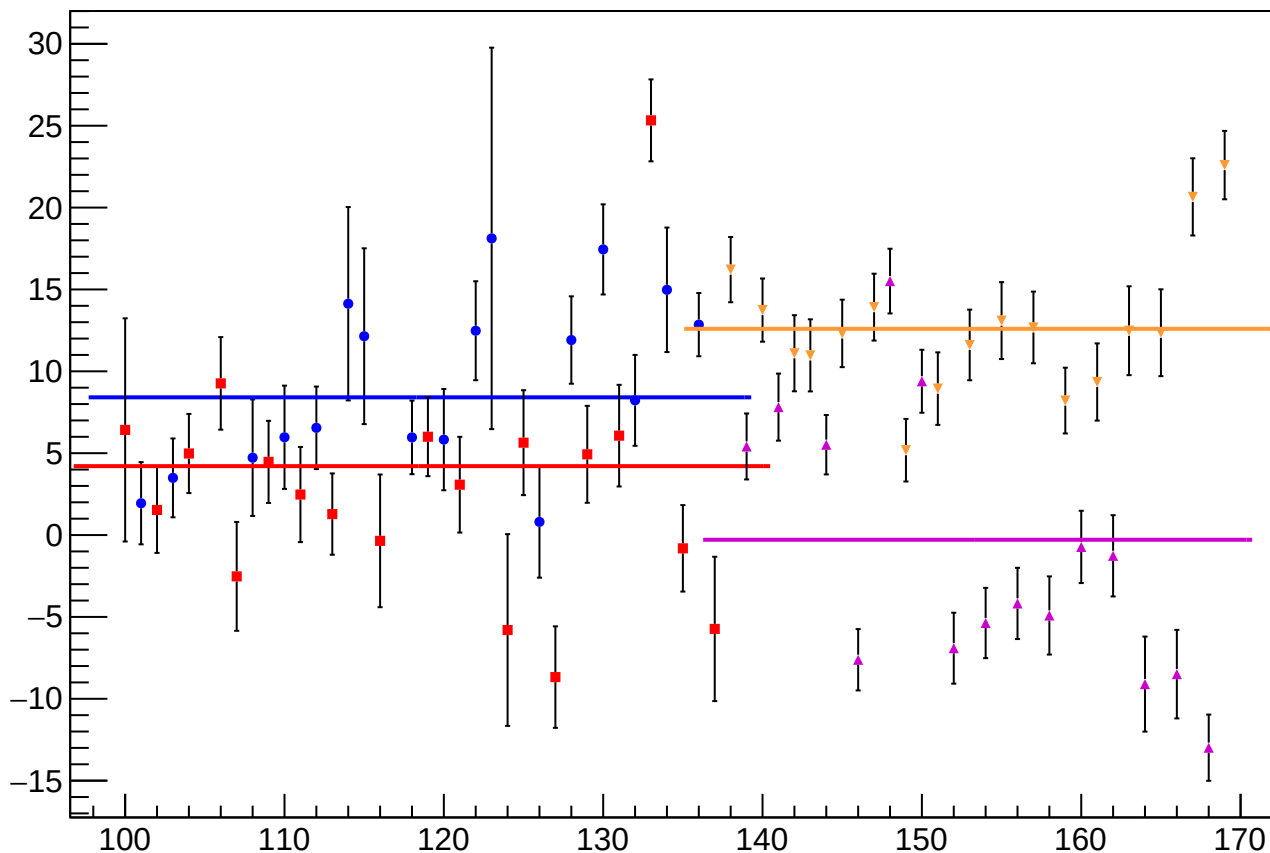
Left In: 2046.763+/-0.432 χ^2 /NDF: 569837.4/14

+ sign 2020.145+/-0.328 χ^2 /NDF: 763683.1/33

All: 2000.616+/-0.232 χ^2 /NDF: 1541920.2/67

- sign 1981.070+/-0.328 χ^2 /NDF: 771142.1/33

diff_bpm0i01aY_mean vs Slug



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

Left Out: 12.597 ± 0.528 χ^2/NDF : 64.3/16

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

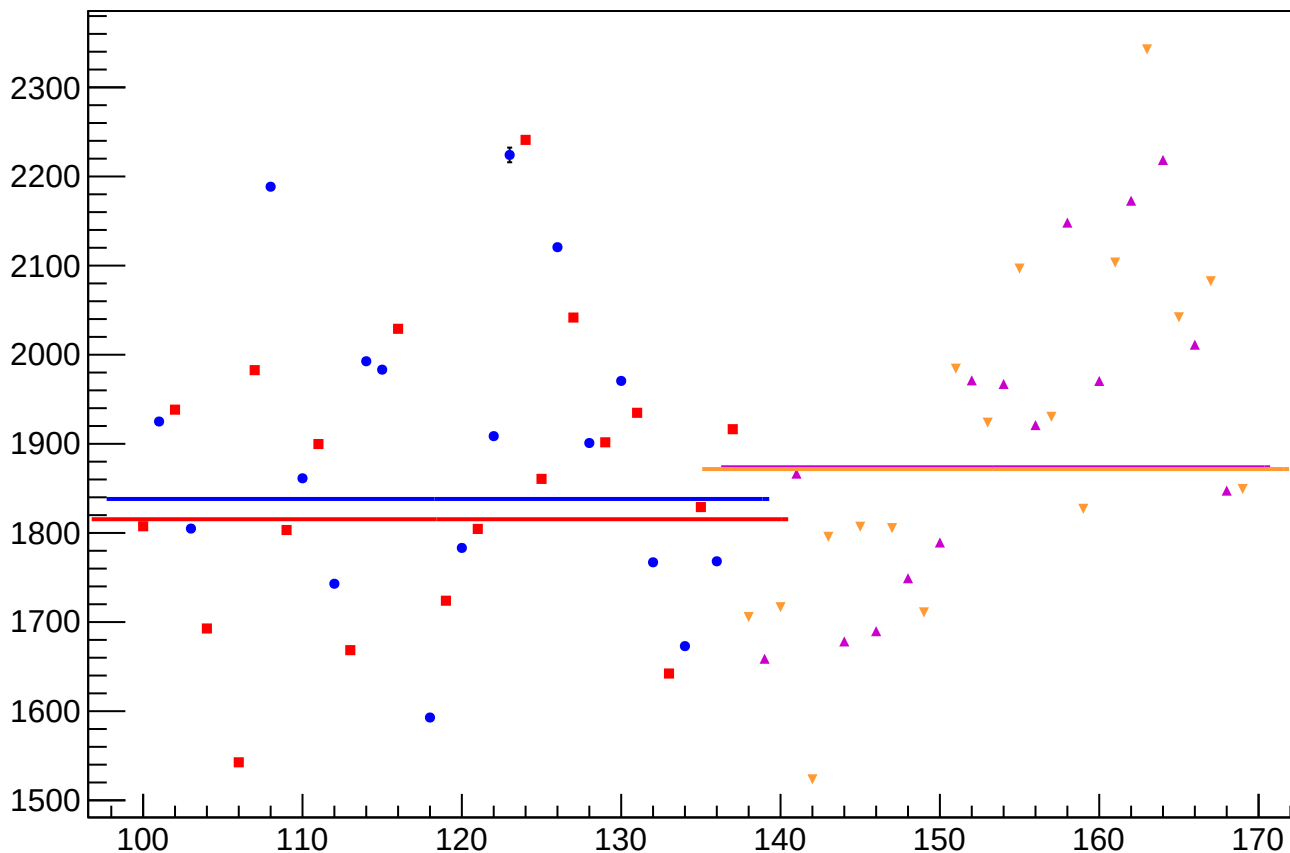
Left In: -0.288 ± 0.552 χ^2/NDF : 218.5/14

+ sign 11.109 ± 0.424 χ^2/NDF : 131.2/33

All: 6.356 ± 0.302 χ^2/NDF : 743.3/67

- sign 1.490 ± 0.429 χ^2/NDF : 357.8/33

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1871.681 $\pm$ 0.373 χ^2 /NDF: 223499.0/16

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

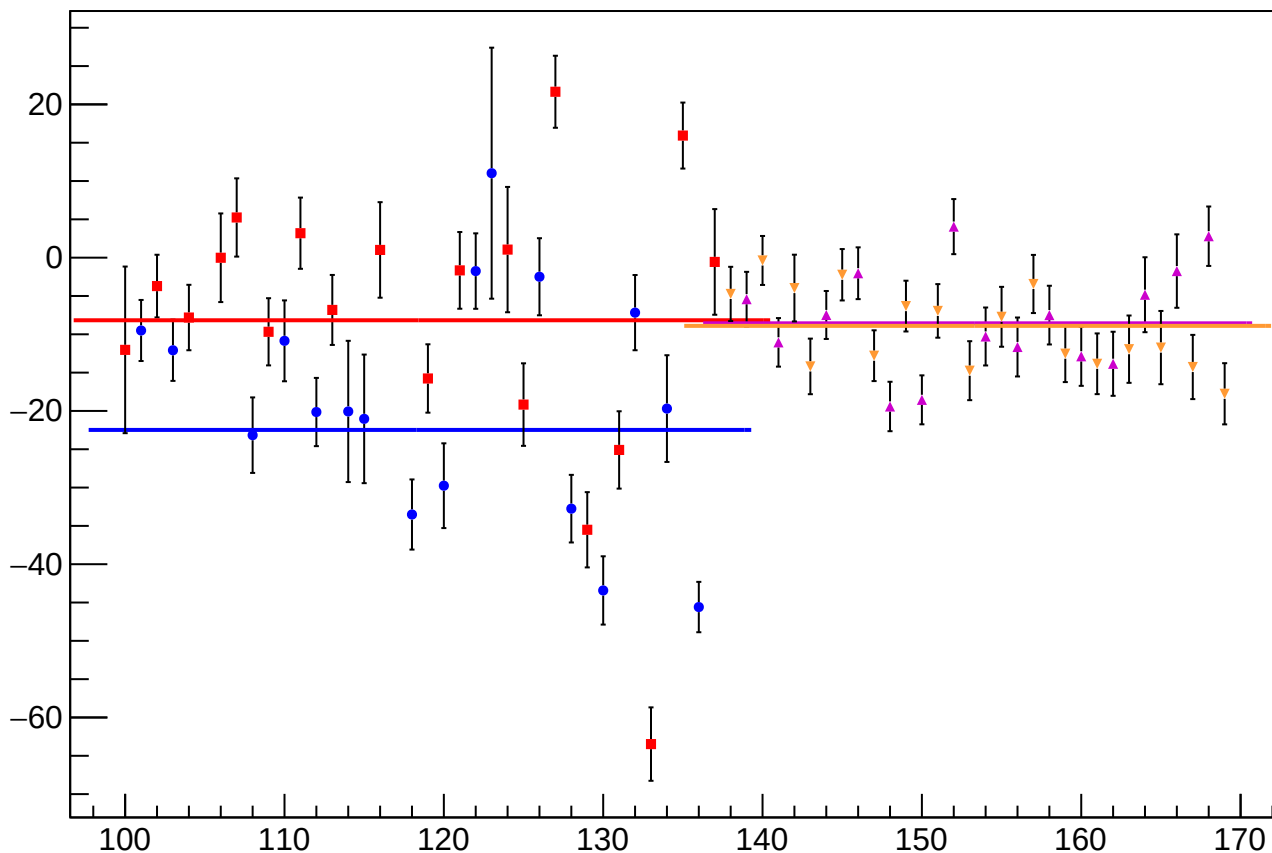
Left In: 1873.705 $\pm$ 0.390 χ^2 /NDF: 178988.3/14

+ sign 1859.762 $\pm$ 0.300 χ^2 /NDF: 309244.3/33

All: 1855.264 $\pm$ 0.213 χ^2 /NDF: 584935.4/67

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

diff_bpm0l01X_mean vs Slug



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

Left Out: -8.899 ± 0.908 χ^2/NDF : 32.6/16

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

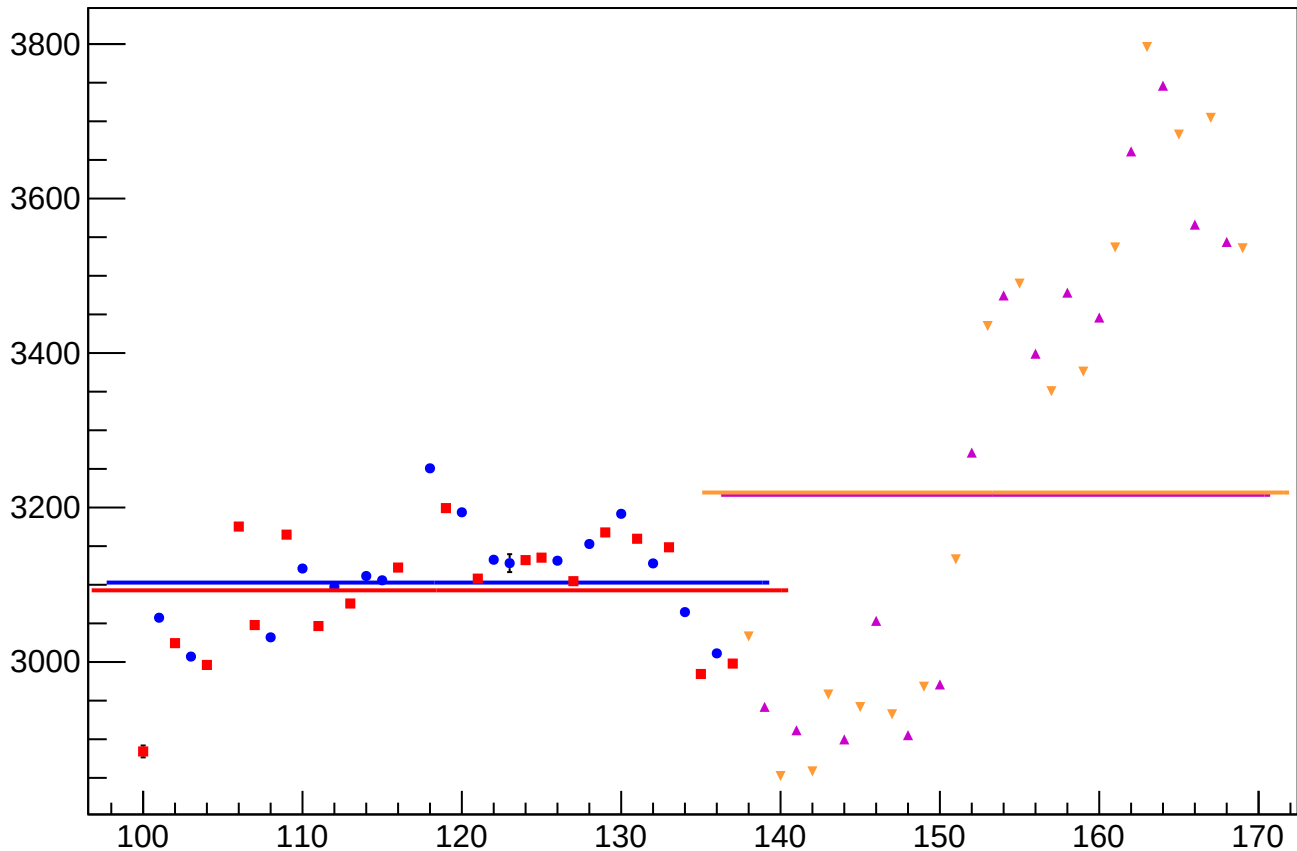
Left In: -8.567 ± 0.944 χ^2/NDF : 53.6/14

+ sign -13.868 ± 0.723 χ^2/NDF : 269.2/33

All: -11.171 ± 0.514 χ^2/NDF : 628.0/67

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

diff_bpm0l01X_rms vs Slug



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

Left Out: 3219.410 $\pm$ 0.642 χ^2 /NDF:224837.1/16

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

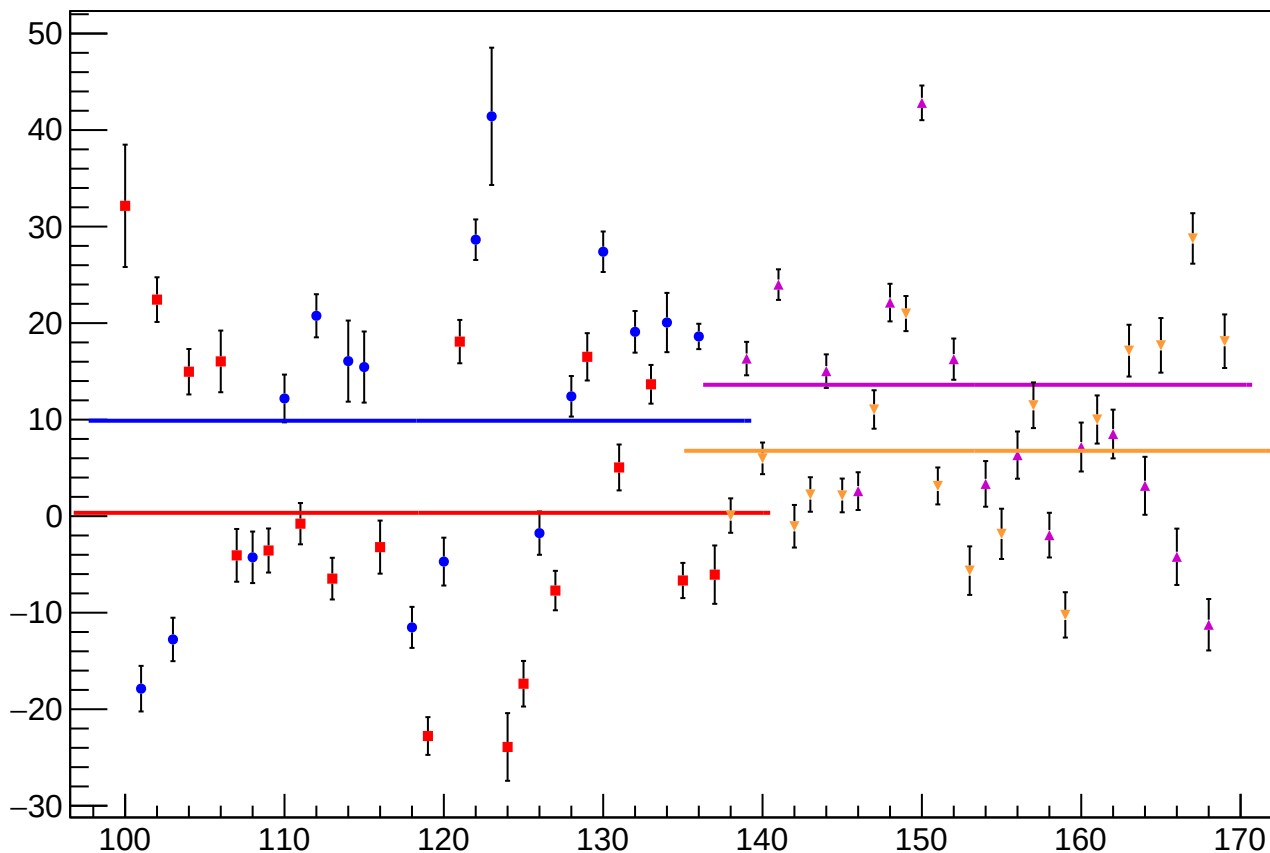
Left In: 3216.466 $\pm$ 0.668 χ^2 /NDF:187645.8/14

+ sign 3176.752 $\pm$ 0.511 χ^2 /NDF: 244252.8/33

All: 3171.934 $\pm$ 0.364 χ^2 /NDF: 453564.2/67

- sign 3167.000 $\pm$ 0.517 χ^2 /NDF: 209131.4/33

diff_bpm0l01Y_mean vs Slug



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

Left Out: 6.772 ± 0.518 χ^2/NDF : 320.6/16

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

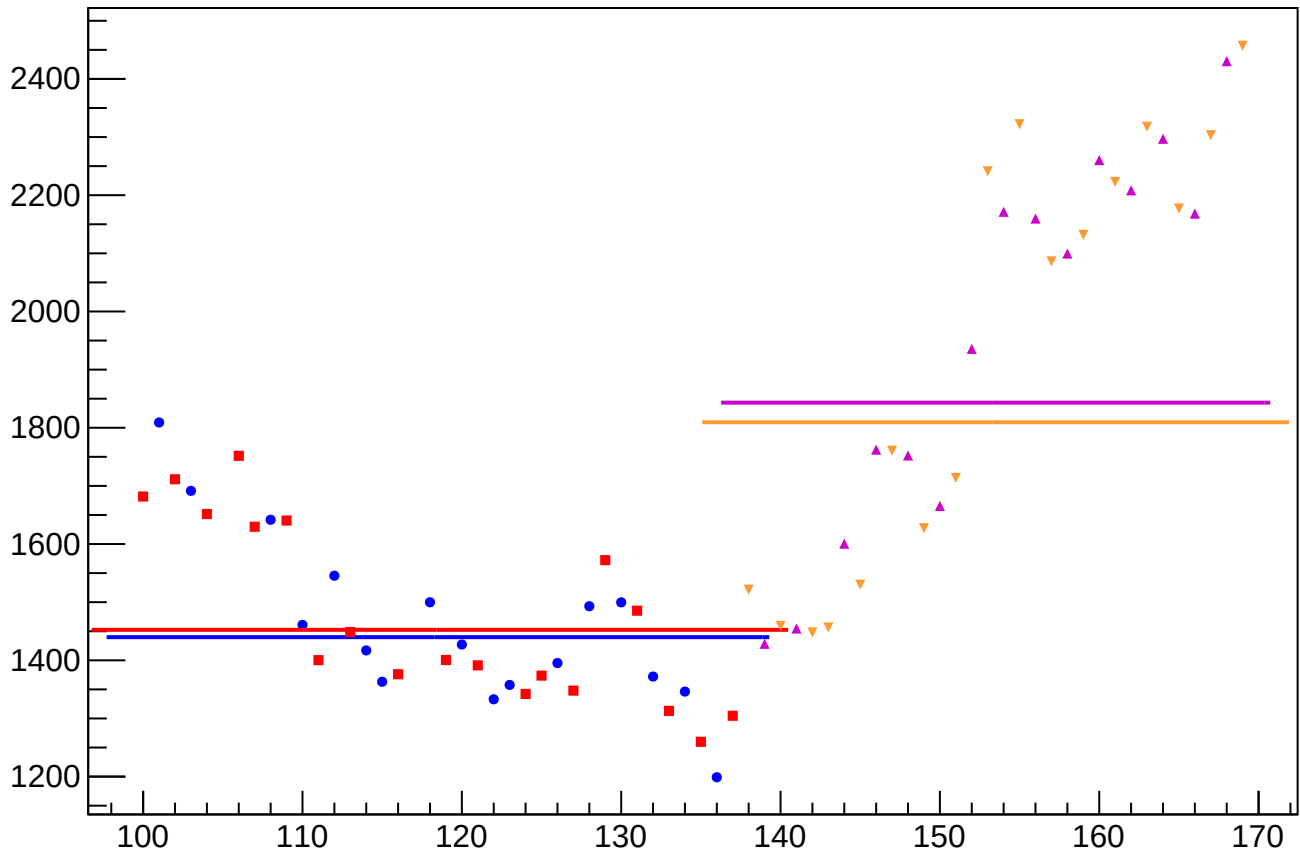
Left In: 13.610 ± 0.548 χ^2/NDF : 583.1/14

+ sign 8.210 ± 0.380 χ^2/NDF : 1040.9/33

All: 7.599 ± 0.271 χ^2/NDF : 2551.7/67

- sign 6.966 ± 0.387 χ^2/NDF : 1505.5/33

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1809.502 $\pm$ 0.366 χ^2 /NDF: 894754.5/16

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

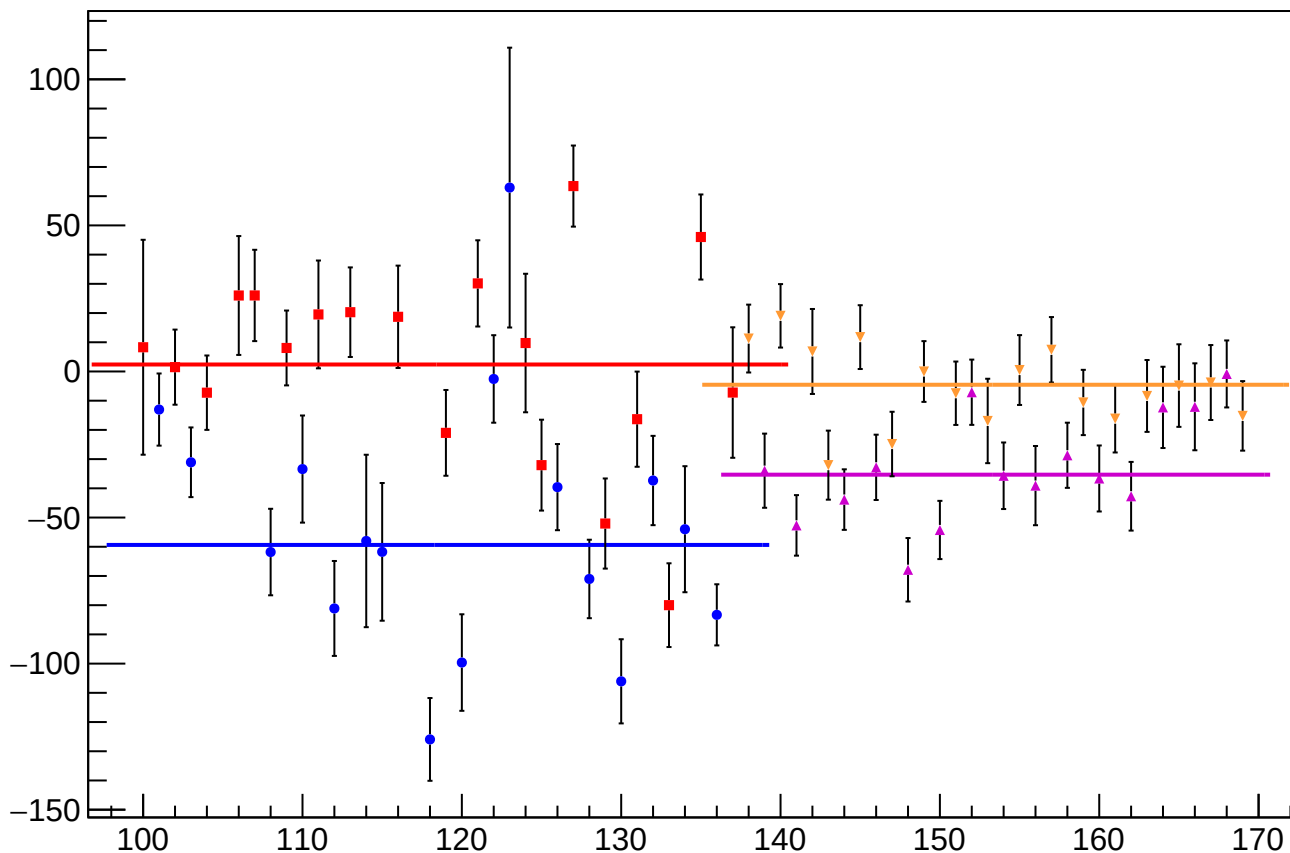
Left In: 1843.202 $\pm$ 0.387 χ^2 /NDF: 665255.8/14

+ sign 1638.889 $\pm$ 0.269 χ^2 /NDF: 1537764.2/33

All: 1643.096 $\pm$ 0.192 χ^2 /NDF: 2851597.6/67

- sign 1647.459 $\pm$ 0.274 χ^2 /NDF: 1313334.3/33

diff_bpm0l02X_mean vs Slug



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

Left Out: -4.544 ± 2.862 χ^2/NDF : 22.7/16

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

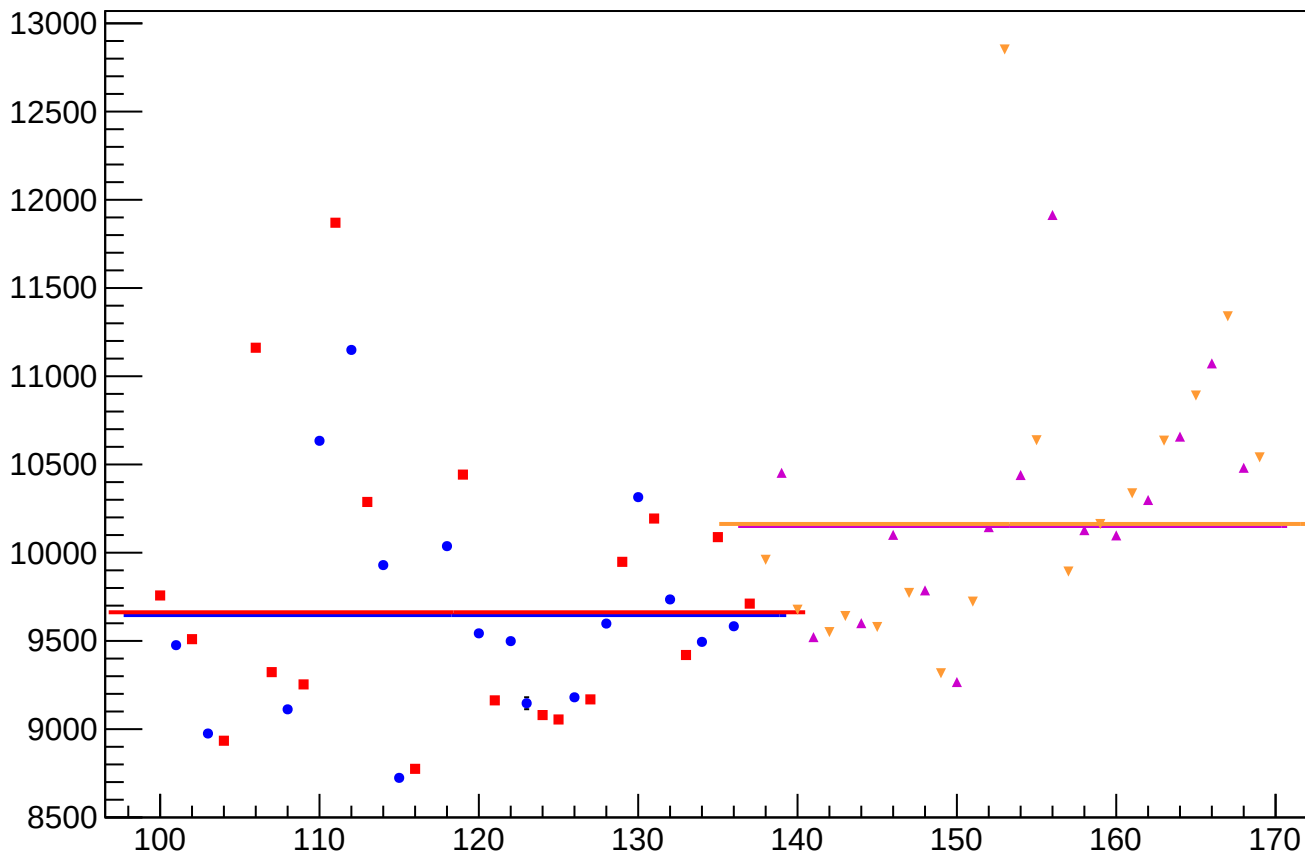
Left In: -35.326 ± 2.976 χ^2/NDF : 37.6/14

+ sign -24.869 ± 2.270 χ^2/NDF : 251.7/33

All: -22.550 ± 1.616 χ^2/NDF : 449.9/67

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

diff_bpm0l02X_rms vs Slug



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

Left Out: 10162.891+/-2.024 χ^2/NDF : 137965.6/16

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

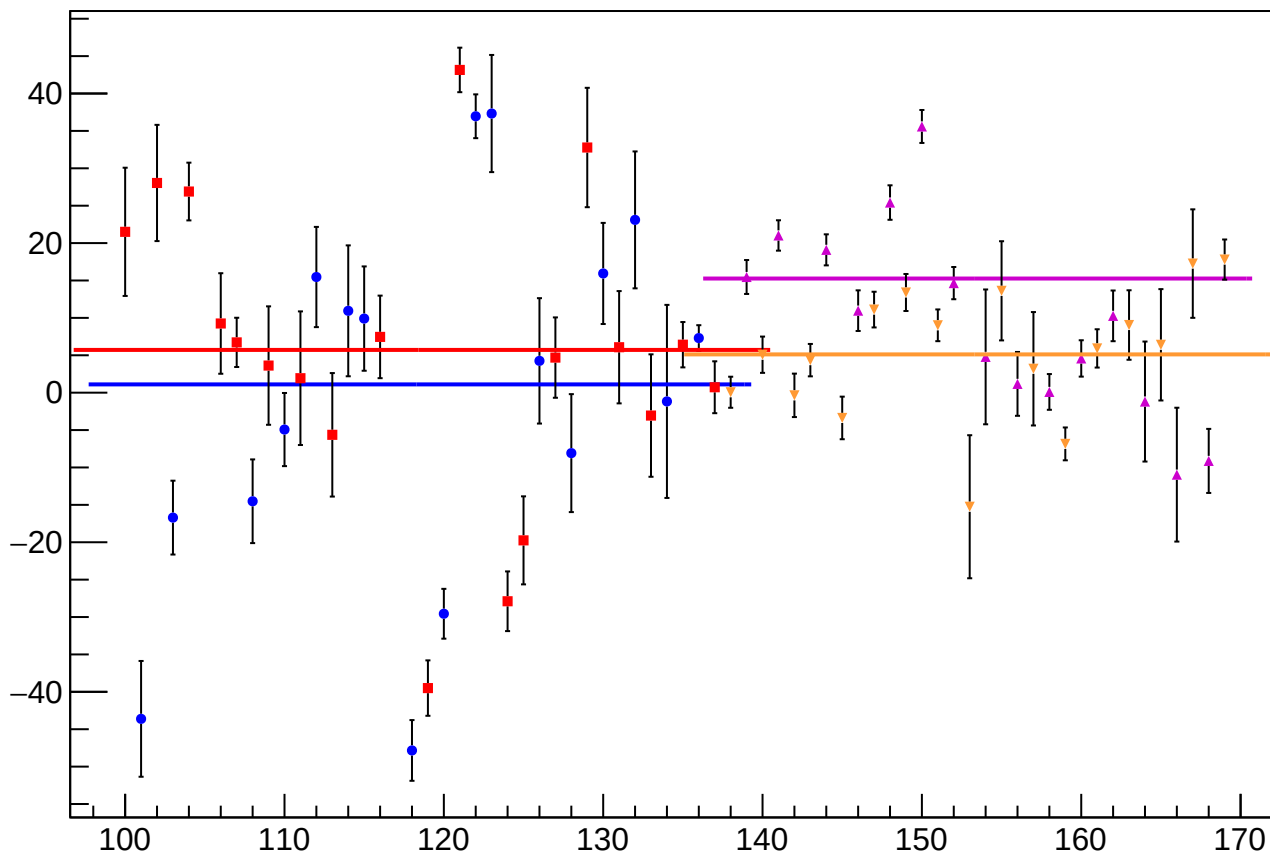
Left In: 10151.324+/-2.104 χ^2/NDF : 79641.3/14

+ sign 9971.457+/-1.605 χ^2/NDF : 206165.7/33

All: 9963.239+/-1.143 χ^2/NDF : 385150.8/67

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

diff_bpm0l02Y_mean vs Slug



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

Left Out: 5.118 ± 0.698 $\chi^2/\text{NDF}: 101.3/16$

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

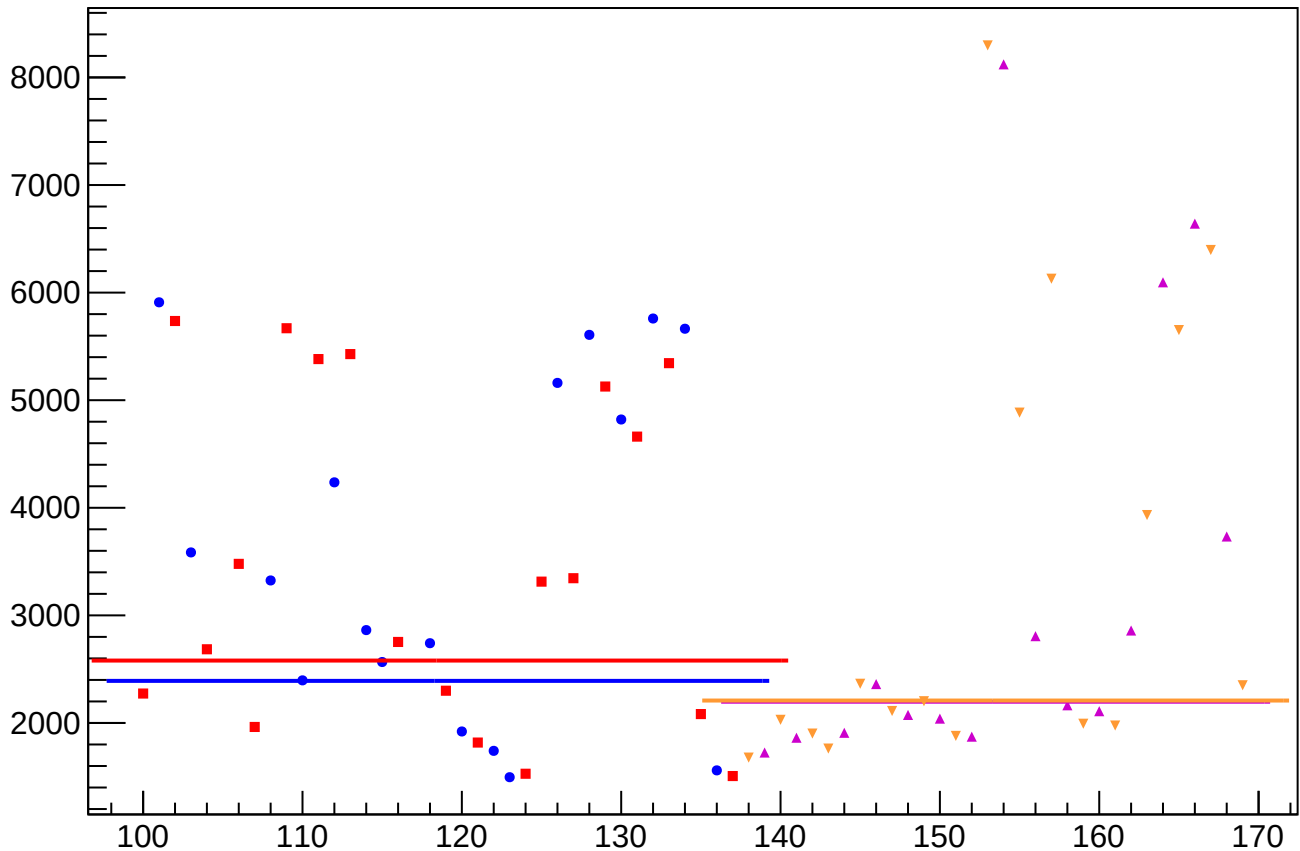
Left In: 15.261 ± 0.708 $\chi^2/\text{NDF}: 237.8/14$

+ sign 3.914 ± 0.584 $\chi^2/\text{NDF}: 600.8/33$

All: 8.103 ± 0.416 $\chi^2/\text{NDF}: 1453.0/67$

- sign 12.433 ± 0.594 $\chi^2/\text{NDF}: 747.6/33$

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2208.462 $\pm$ 0.494 χ^2 /NDF: 3388841.9/16

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

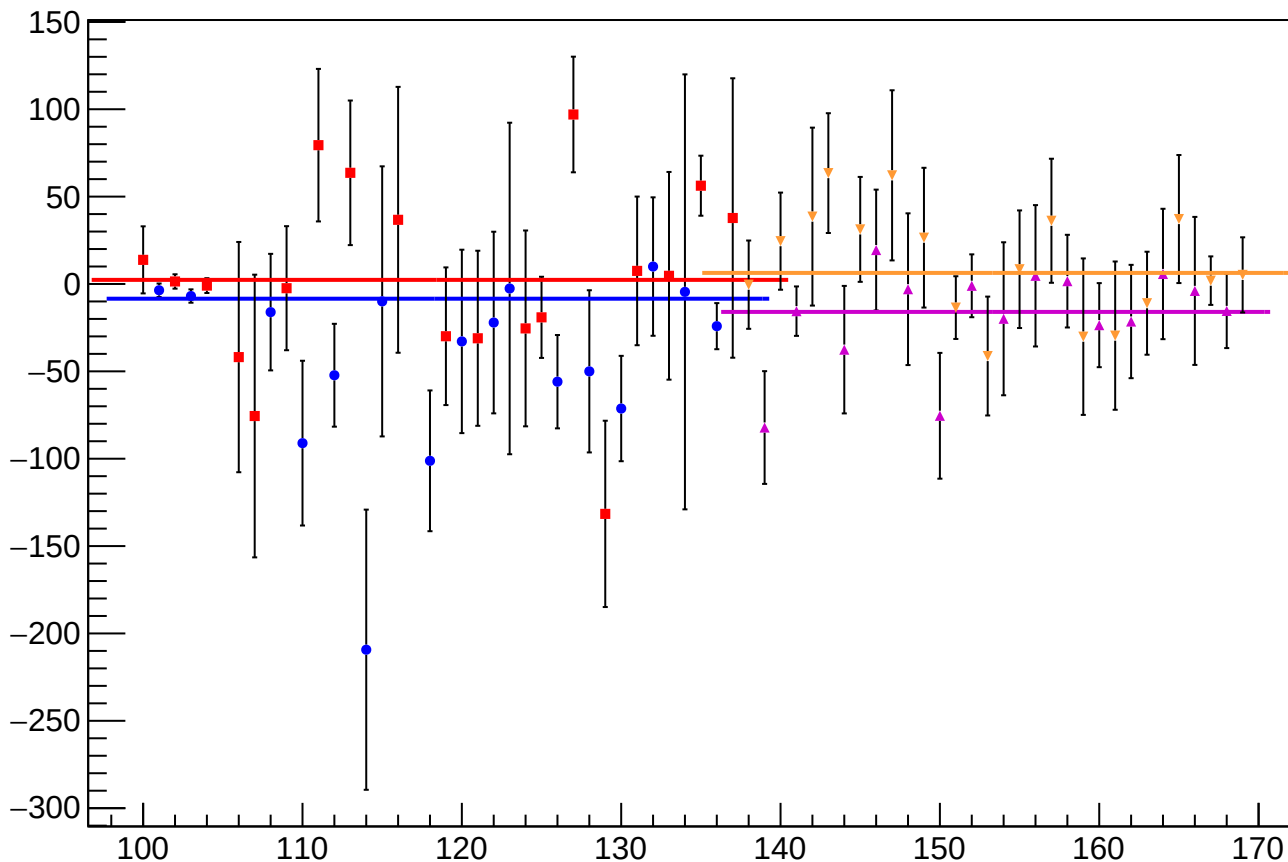
Left In: 2197.501 $\pm$ 0.501 χ^2 /NDF: 2454673.0/14

+ sign 2263.282 $\pm$ 0.413 χ^2 /NDF: 6030473.9/33

All: 2286.671 $\pm$ 0.294 χ^2 /NDF: 11029930.3/6

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

diff_bpm0l03X_mean vs Slug



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

Left Out: 6.335 ± 6.711 χ^2/NDF : 12.4/16

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

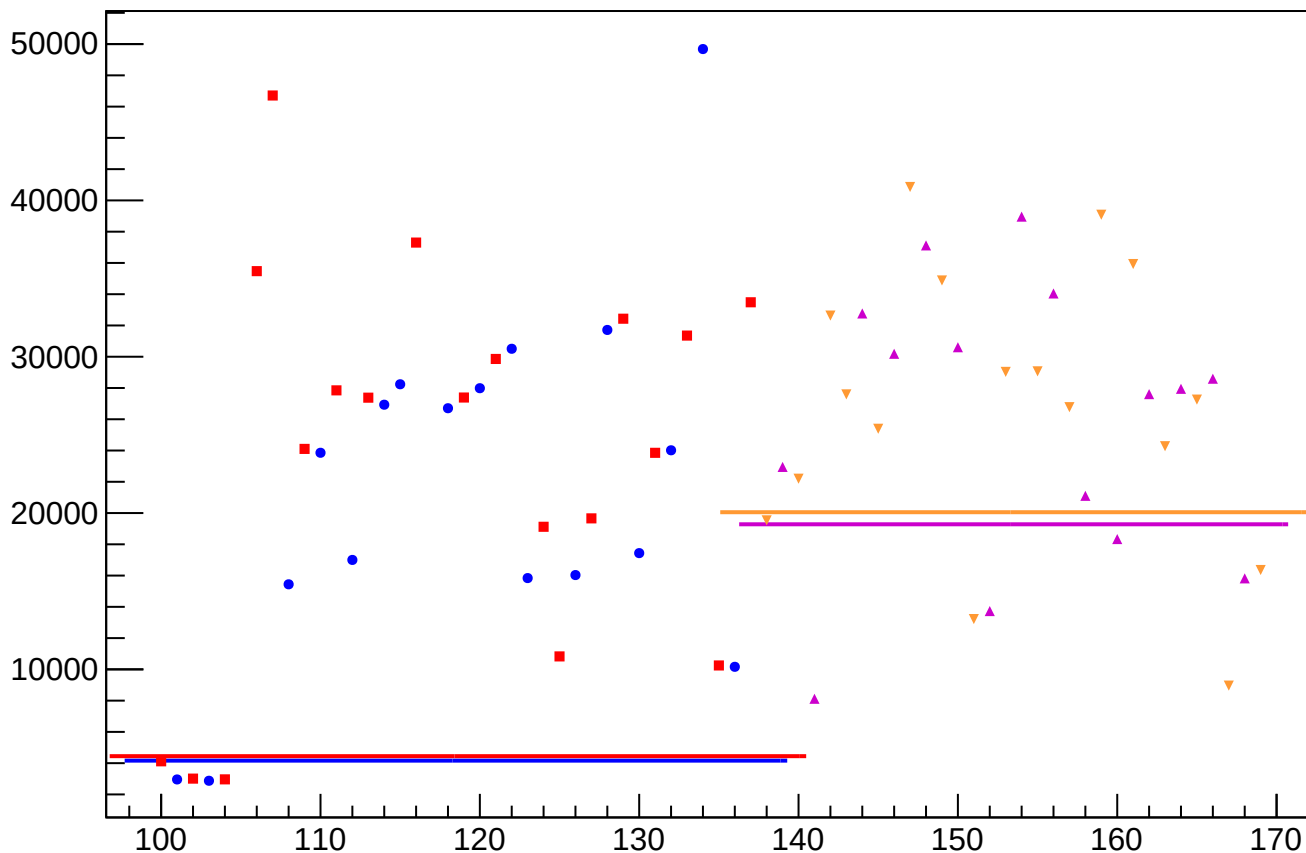
Left In: -15.985 ± 6.957 χ^2/NDF : 10.4/14

+ sign -6.520 ± 2.414 χ^2/NDF : 45.5/33

All: -3.572 ± 1.765 χ^2/NDF : 99.7/67

- sign -0.187 ± 2.587 χ^2/NDF : 51.0/33

diff_bpm0l03X_rms vs Slug



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

Left Out: 20053.453+/-4.746 χ^2/NDF : 3675454.7/16

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

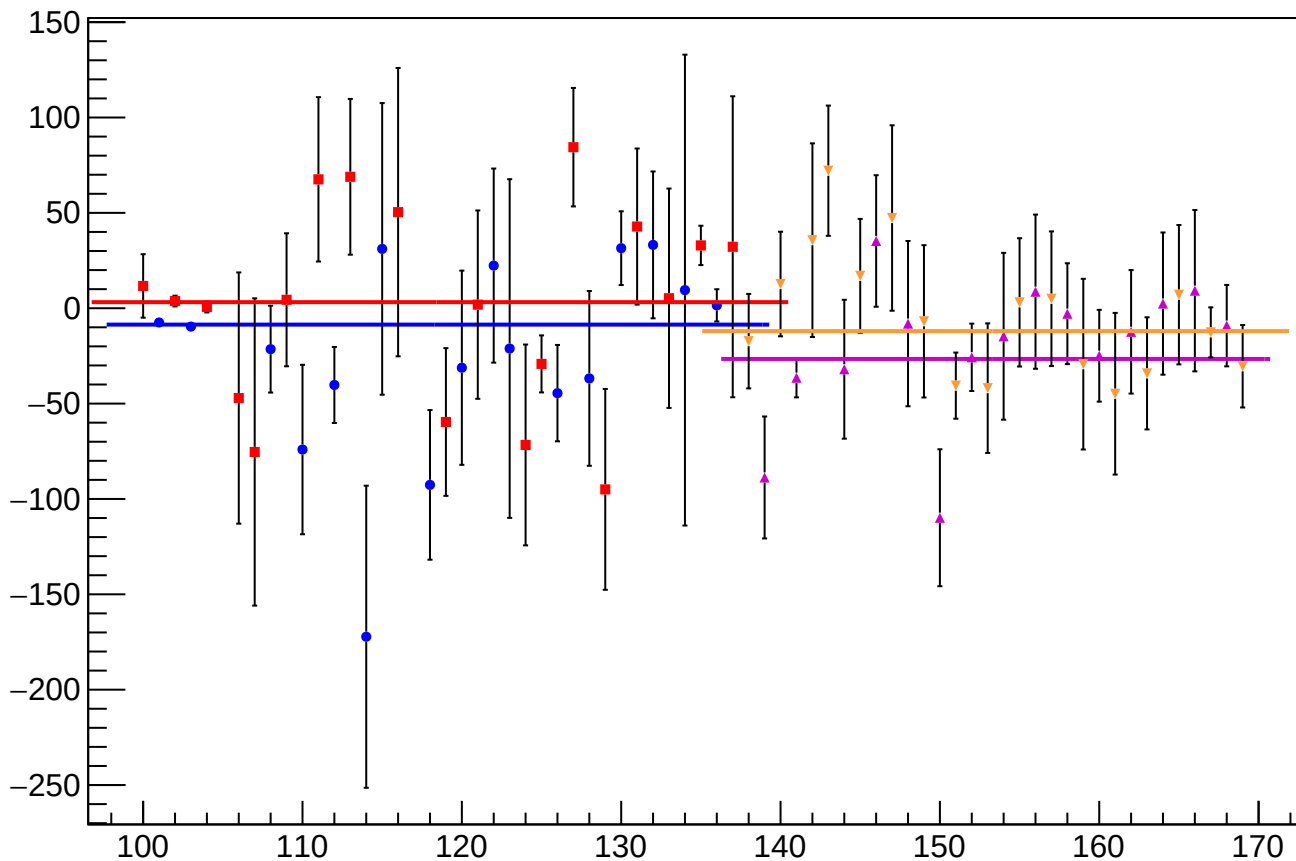
Left In: 19280.752+/-4.919 χ^2/NDF : 3541927.2/14

+ sign 6218.697+/-1.707 χ^2/NDF : 19427845.6/33

All: 6348.792+/-1.248 χ^2/NDF : 38244068.4/66

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

diff_bpm0l03Y_mean vs Slug



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

Left Out: -11.991 ± 6.568 χ^2/NDF : 16.5/16

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

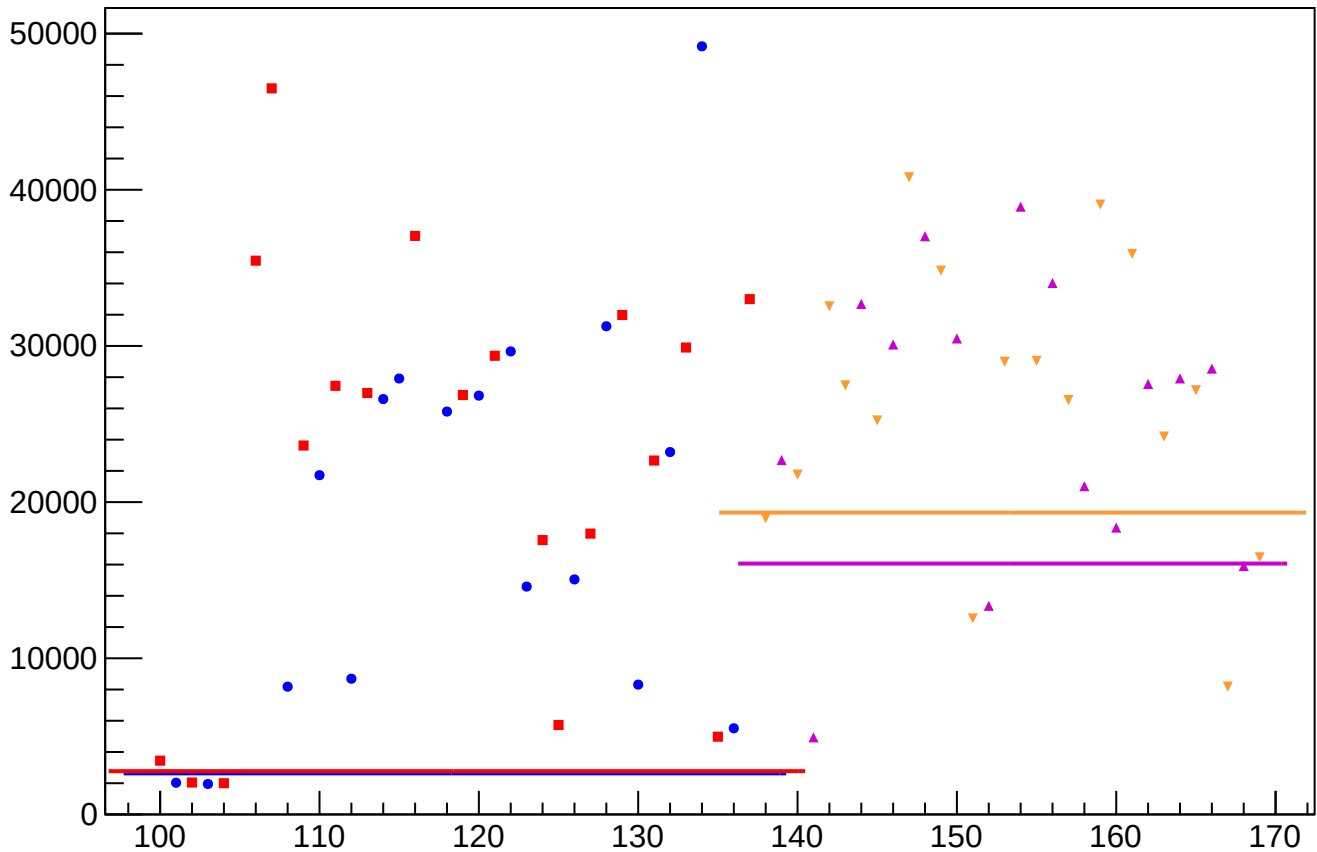
Left In: -26.588 ± 6.298 χ^2/NDF : 17.3/14

+ sign -8.819 ± 1.716 χ^2/NDF : 41.2/33

All: -4.408 ± 1.254 χ^2/NDF : 130.0/67

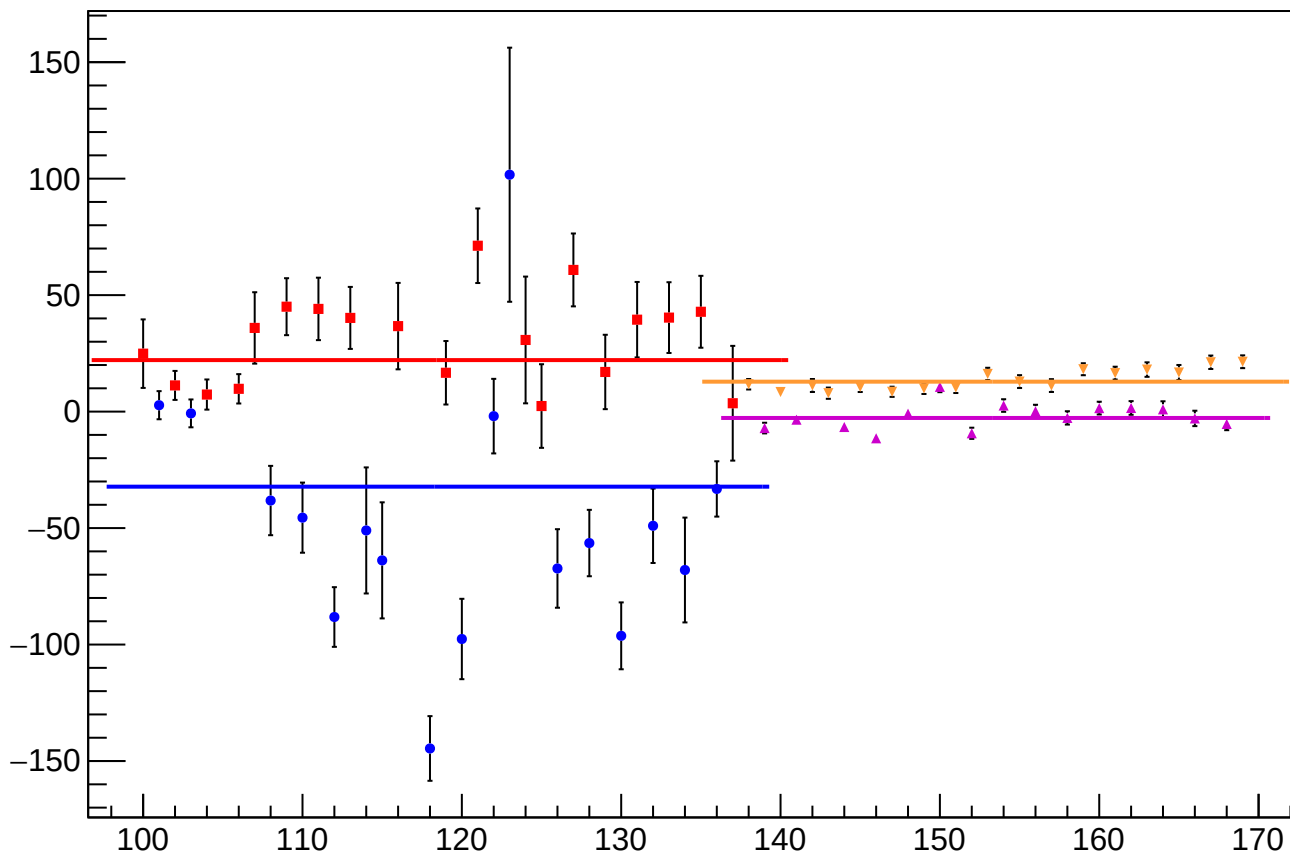
- sign 0.656 ± 1.839 χ^2/NDF : 74.7/33

diff_bpm0l03Y_rms vs Slug



Right In: 2630.547+/-1.257	χ^2/NDF : 5588981.6/16	+ sign 3770.420+/-1.213	χ^2/NDF : 21707570.7/33
Left Out: 19330.571+/-4.644	χ^2/NDF : 4072091.4/16	All: 3833.625+/-0.887	χ^2/NDF : 43358295.2/6
Right Out: 2773.446+/-1.359	χ^2/NDF : 7835878.7/18	- sign 3906.176+/-1.300	χ^2/NDF : 21644896.8/33
Left In: 16064.870+/-4.453	χ^2/NDF : 5659839.4/14		

diff_bpm0l04X_mean vs Slug



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

Left Out: 12.850 ± 0.617 χ^2/NDF : 47.0/16

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

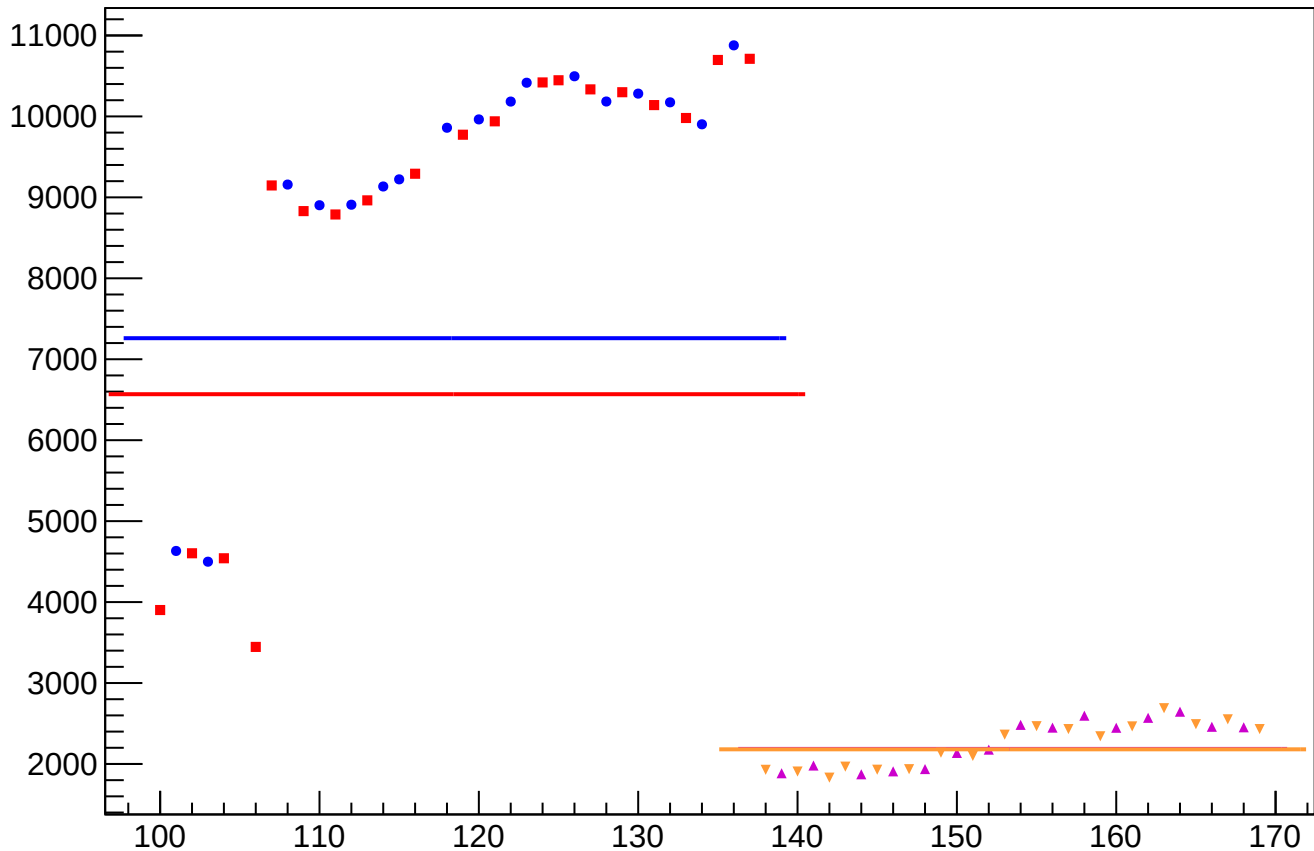
Left In: -2.729 ± 0.645 χ^2/NDF : 78.1/14

+ sign 11.000 ± 0.604 χ^2/NDF : 469.8/33

All: 5.048 ± 0.435 χ^2/NDF : 875.1/67

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

diff_bpm0l04X_rms vs Slug



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

Left Out: 2180.968 $\pm$ 0.436 χ^2 /NDF: 357219.9/16

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

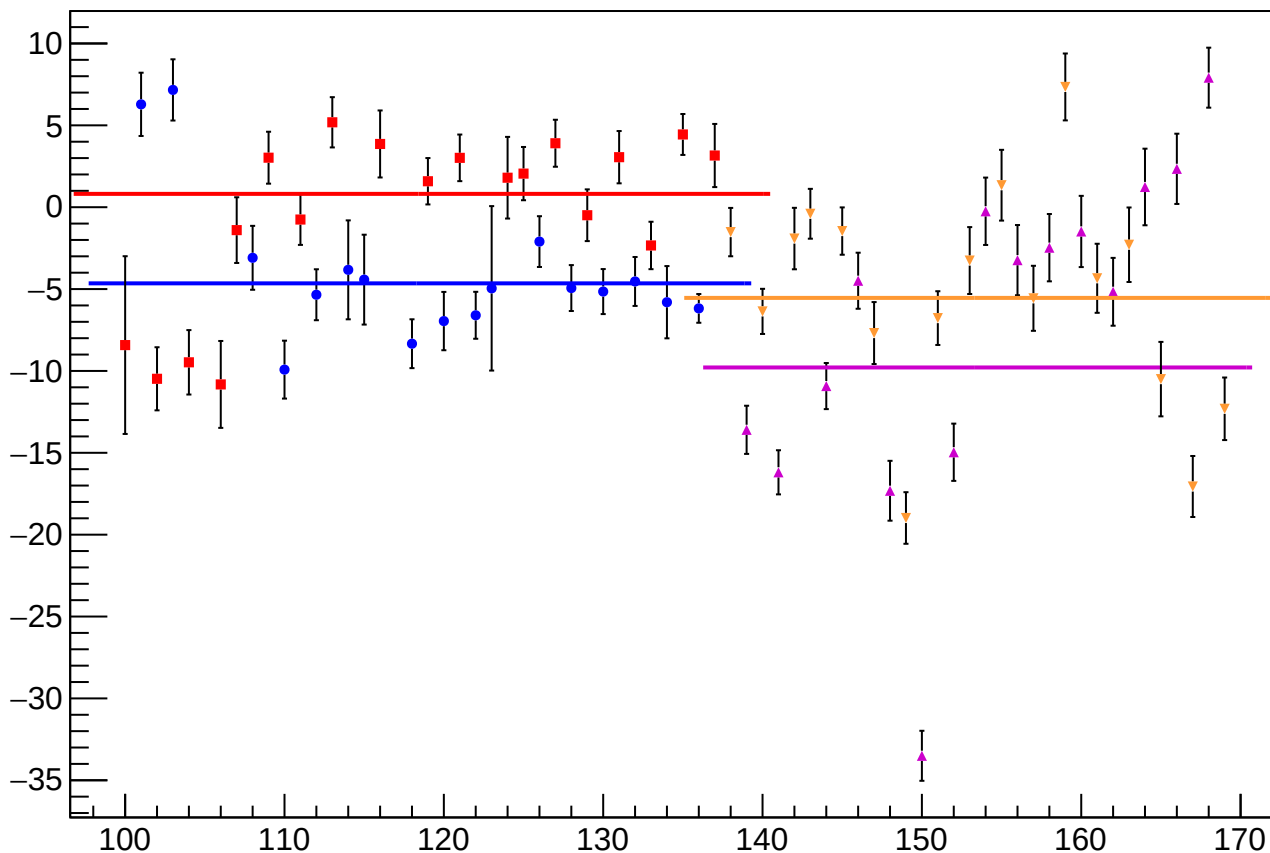
Left In: 2186.083 $\pm$ 0.456 χ^2 /NDF: 367526.5/14

+ sign 2389.406 $\pm$ 0.427 χ^2 /NDF: 7559897.5/33

All: 2407.802 $\pm$ 0.308 χ^2 /NDF: 15220848.7/6

- sign 2427.607 $\pm$ 0.443 χ^2 /NDF: 7657098.2/33

diff_bpm0l04Y_mean vs Slug



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

Left Out: -5.539 ± 0.432 χ^2/NDF : 214.6/16

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

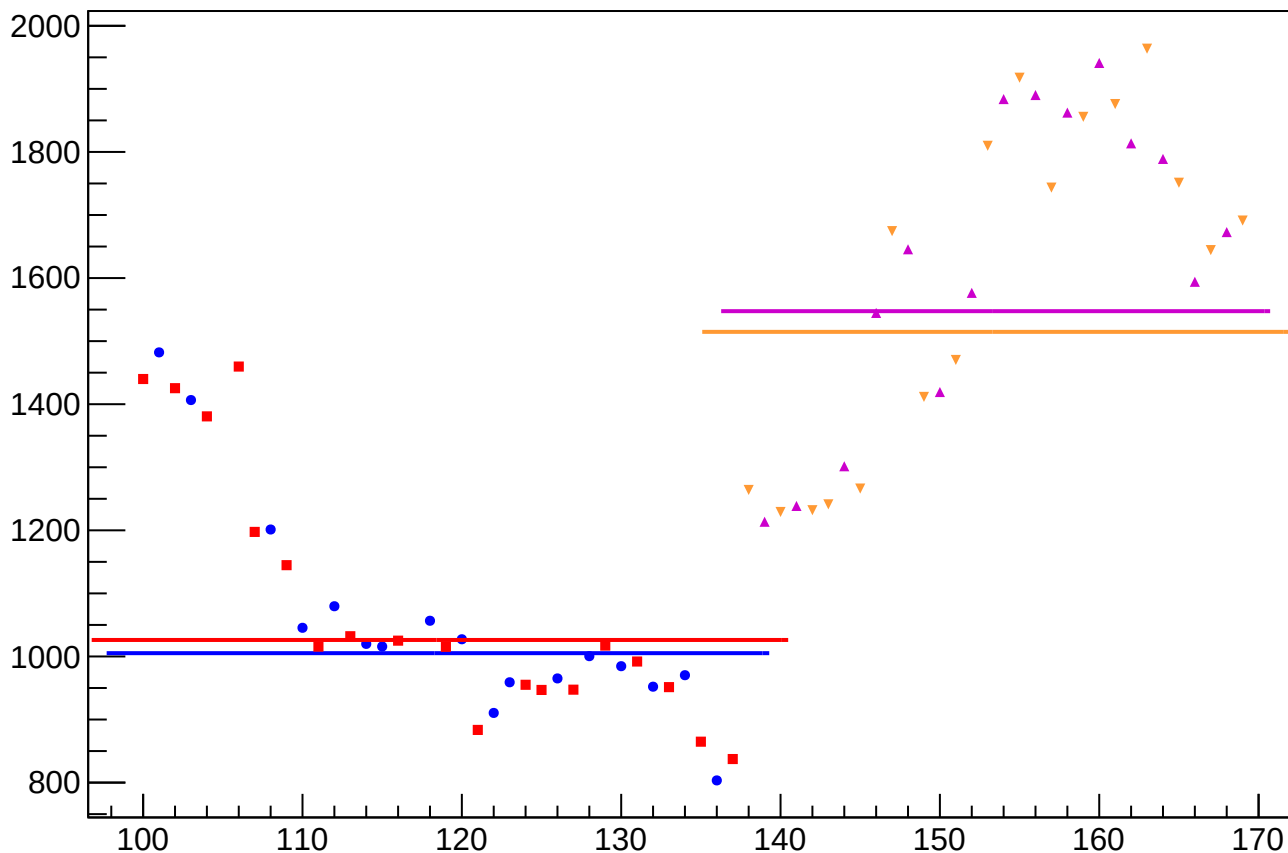
Left In: -9.788 ± 0.459 χ^2/NDF : 517.0/14

+ sign -5.052 ± 0.291 χ^2/NDF : 314.5/33

All: -4.346 ± 0.208 χ^2/NDF : 1278.0/67

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

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1514.713 ± 0.306 χ^2/NDF : 715342.4/16

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

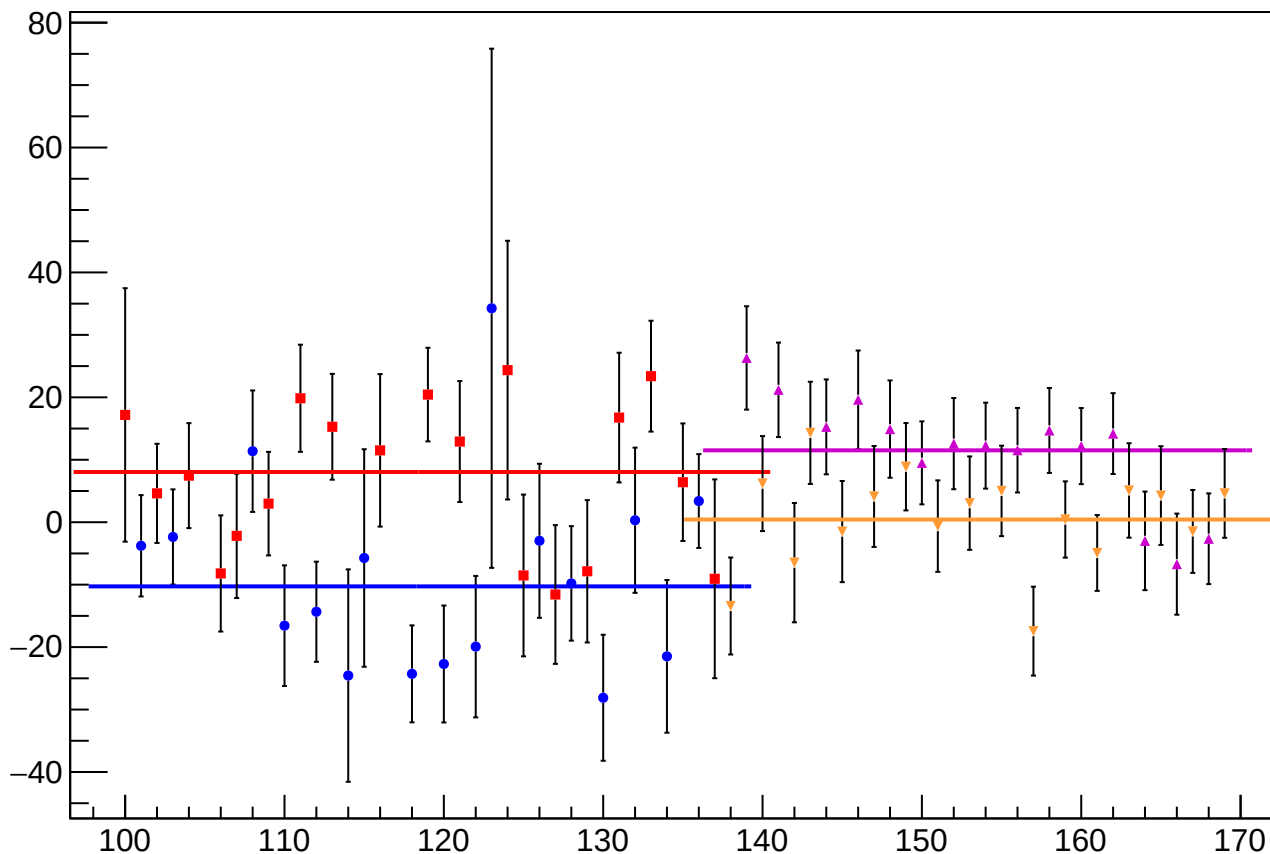
Left In: 1547.522 ± 0.325 χ^2/NDF : 570916.7/14

+ sign 1235.572 ± 0.205 χ^2/NDF : 2599884.7/33

All: 1239.575 ± 0.147 χ^2/NDF : 5007889.1/67

- sign 1243.742 ± 0.210 χ^2/NDF : 2407230.1/33

diff_bpm0l05X_mean vs Slug



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

Left Out: 0.432 ± 1.779 χ^2/NDF : 17.5/16

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

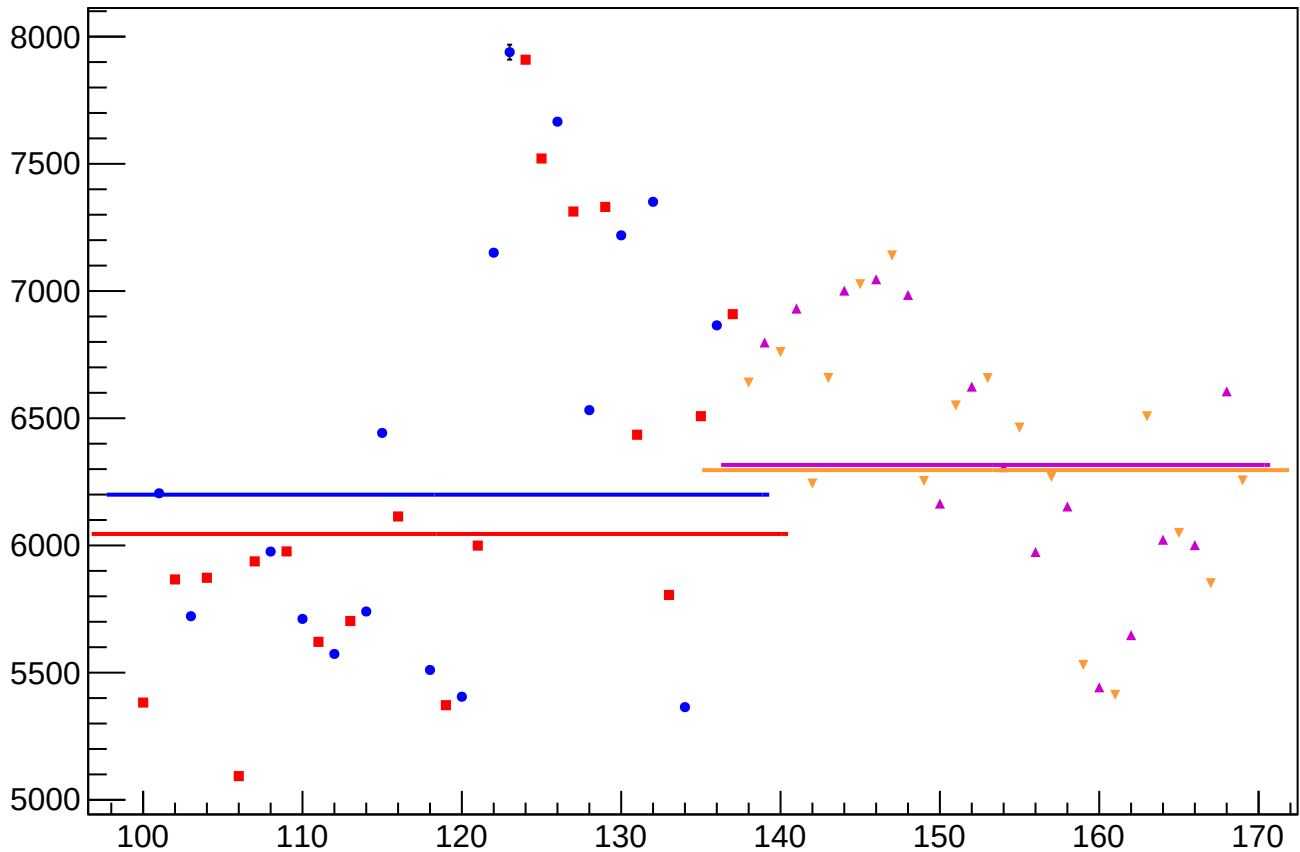
Left In: 11.510 ± 1.860 χ^2/NDF : 19.1/14

+ sign -3.350 ± 1.431 χ^2/NDF : 53.8/33

All: 3.339 ± 1.015 χ^2/NDF : 141.1/67

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

diff_bpm0l05X_rms vs Slug



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

Left Out: 6296.052 $\pm$ 1.258 χ^2 /NDF:147983.4/16

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

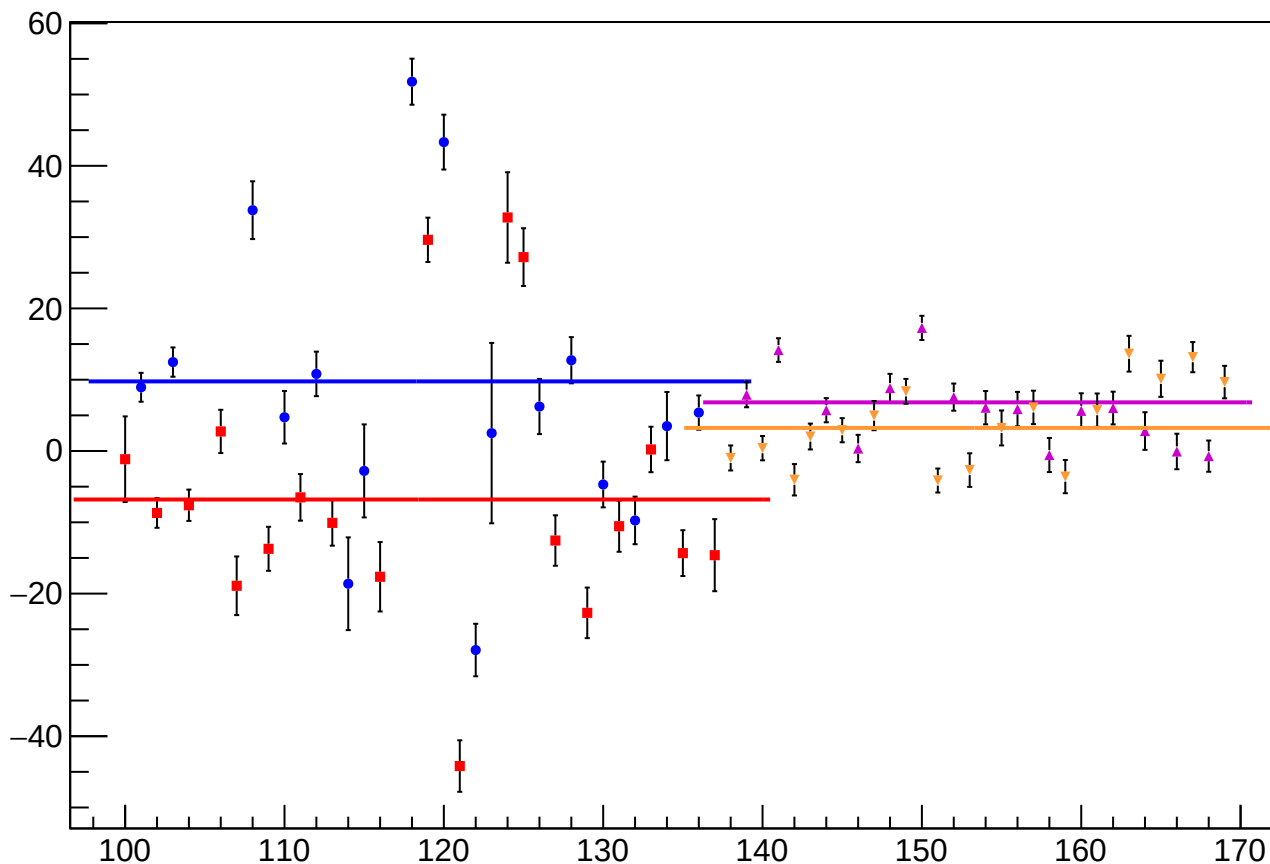
Left In: 6316.464 $\pm$ 1.315 χ^2 /NDF:150393.0/14

+ sign 6261.995 $\pm$ 1.012 χ^2 /NDF: 321819.0/33

All: 6235.163 $\pm$ 0.718 χ^2 /NDF: 648965.3/67

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

diff_bpm0l05Y_mean vs Slug



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

Left Out: 3.239 ± 0.495 χ^2/NDF : 120.7/16

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

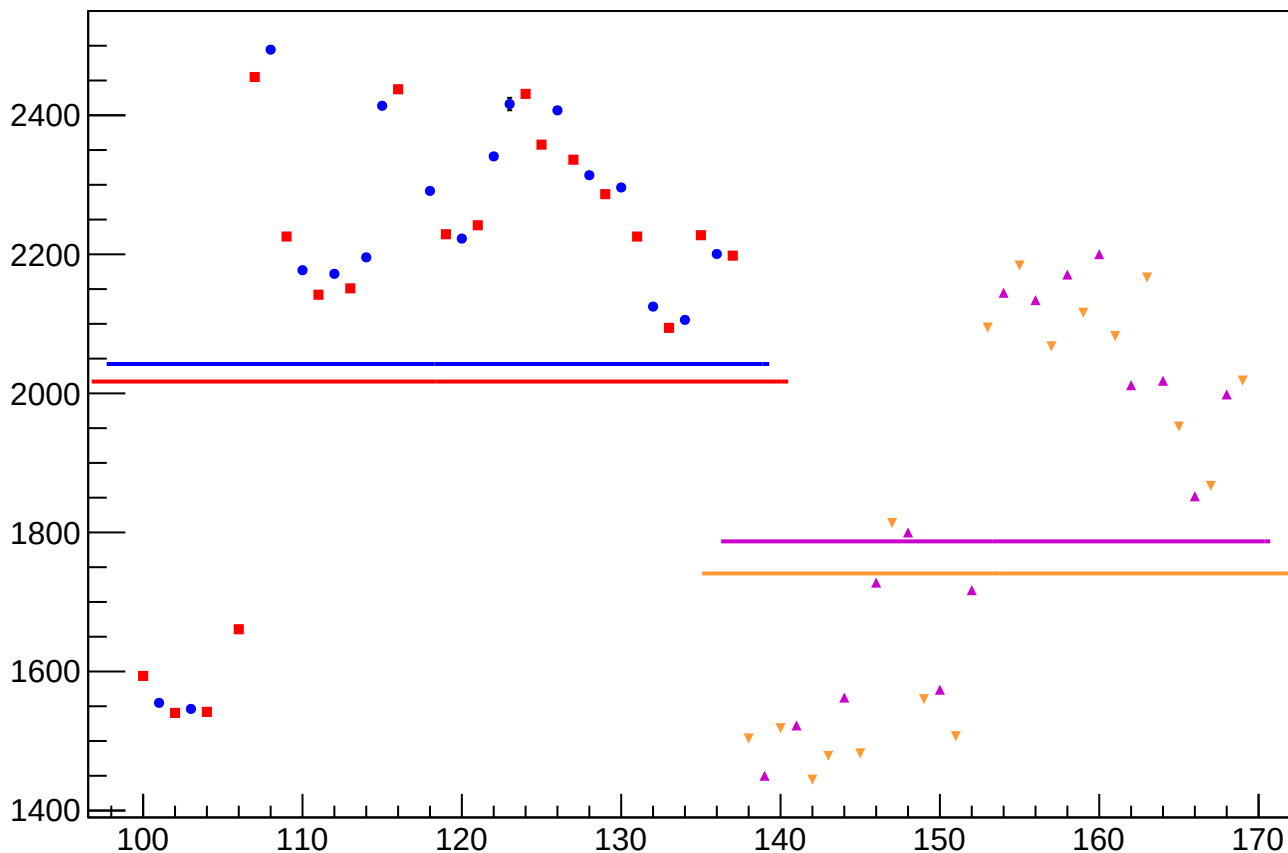
Left In: 6.824 ± 0.529 χ^2/NDF : 102.9/14

+ sign 5.058 ± 0.421 χ^2/NDF : 642.8/33

All: 3.782 ± 0.302 χ^2/NDF : 1401.3/67

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

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1741.026+/-0.350 χ^2/NDF : 610192.0/16

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

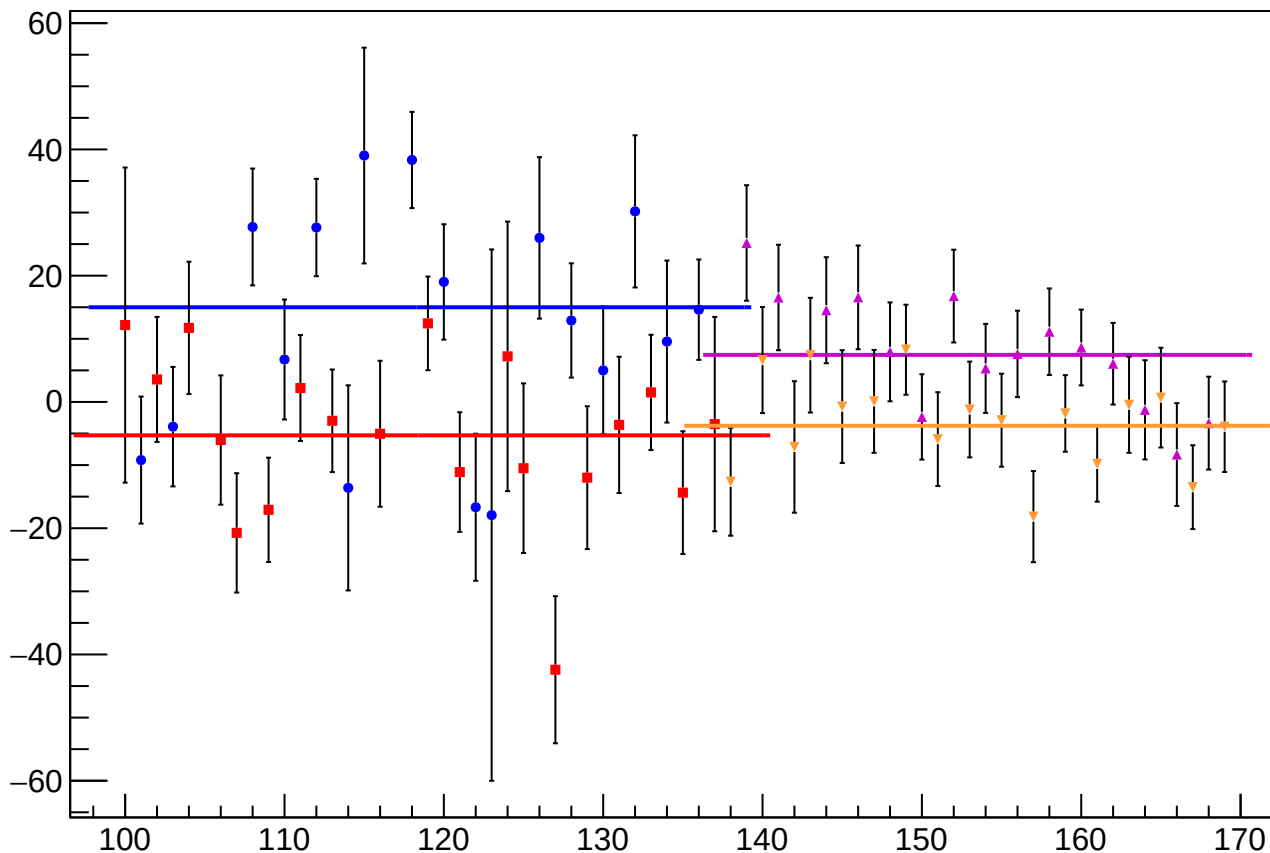
Left In: 1787.160+/-0.374 χ^2/NDF : 446340.2/14

+ sign 1824.990+/-0.297 χ^2/NDF : 1173178.2/33

All: 1842.629+/-0.214 χ^2/NDF : 2124693.4/67

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

diff_bpm0l06X_mean vs Slug



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

Left Out: -3.775 ± 1.825 $\chi^2/\text{NDF}: 15.4/16$

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

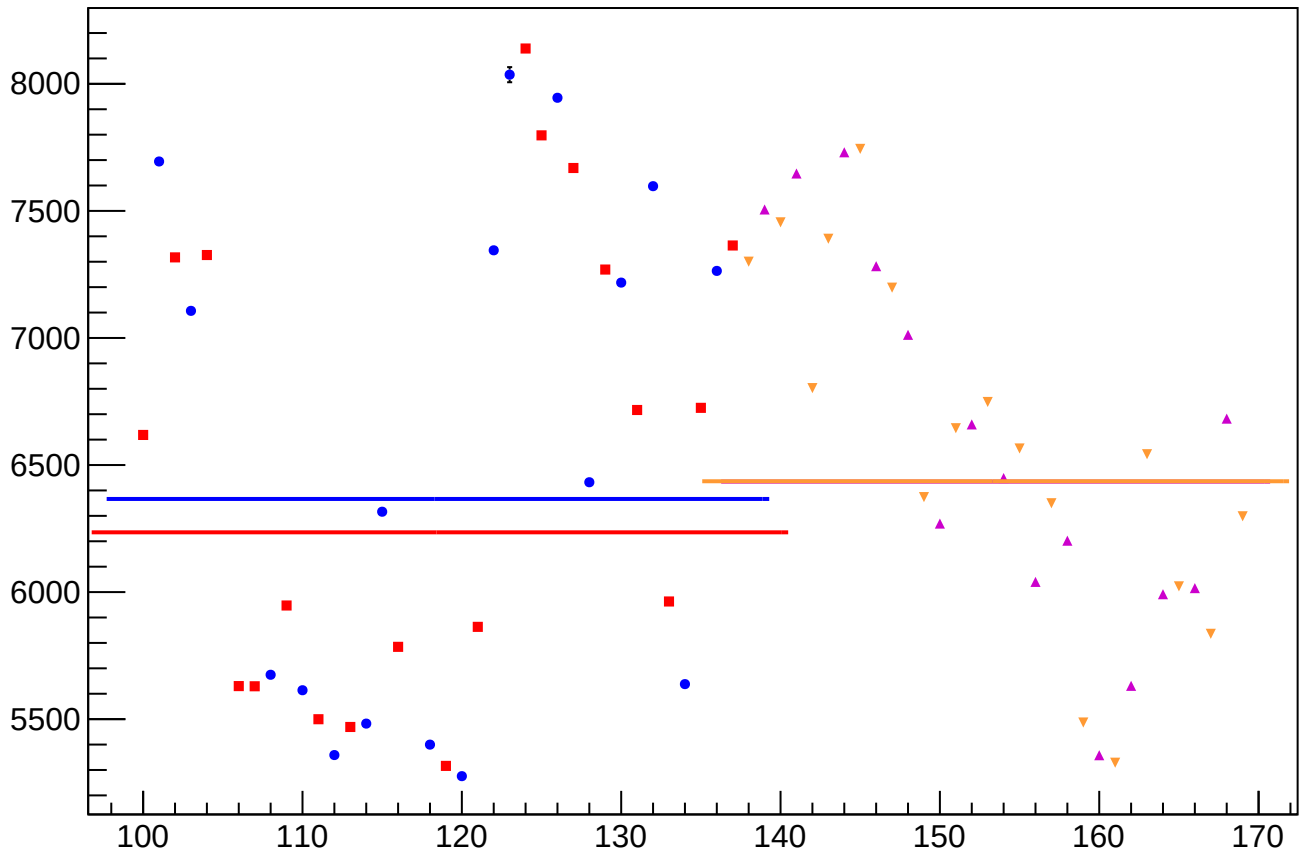
Left In: 7.457 ± 1.903 $\chi^2/\text{NDF}: 18.2/14$

+ sign 2.803 ± 1.471 $\chi^2/\text{NDF}: 93.8/33$

All: 2.617 ± 1.044 $\chi^2/\text{NDF}: 157.8/67$

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

diff_bpm0l06X_rms vs Slug



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

Left Out: 6436.153+/-1.291 χ^2/NDF : 281182.8/16

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

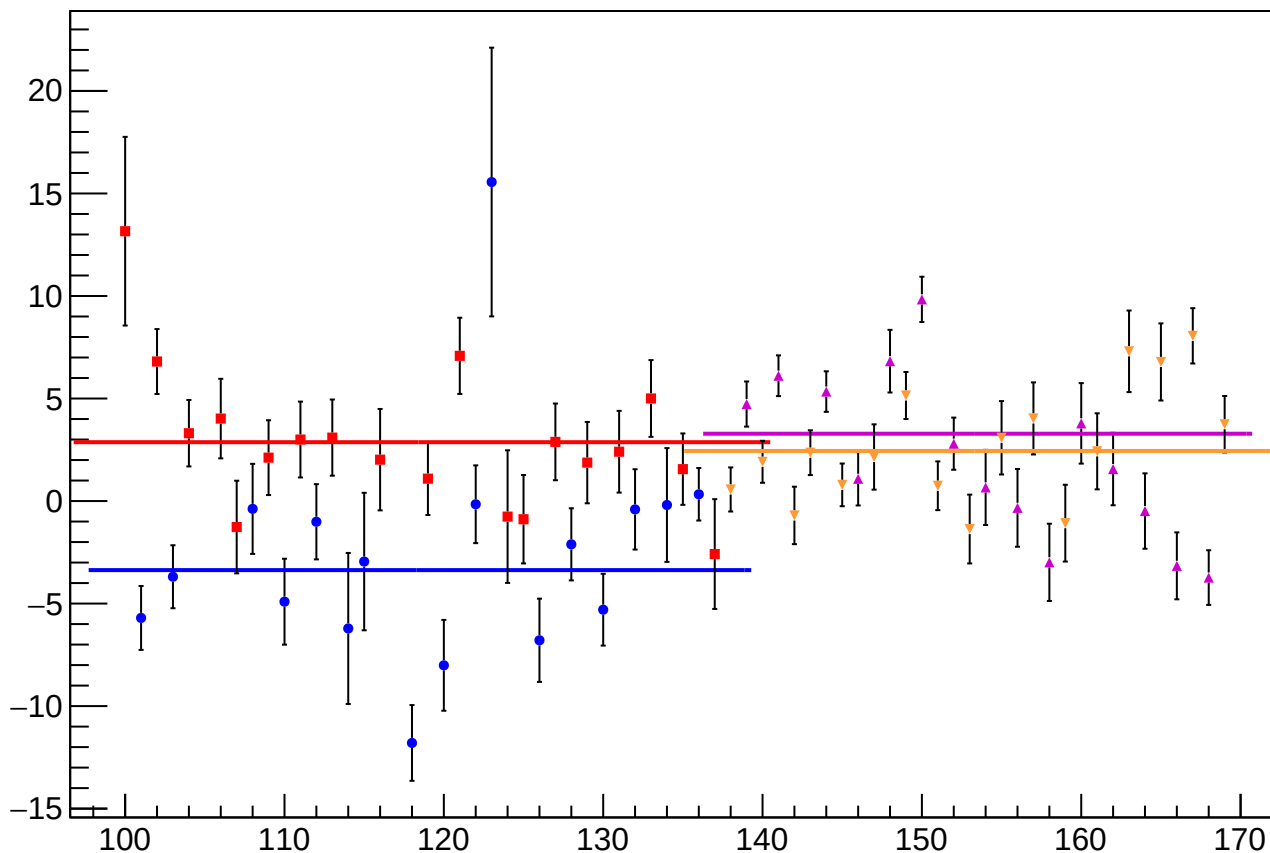
Left In: 6434.733+/-1.346 χ^2/NDF : 270537.5/14

+ sign 6411.742+/-1.040 χ^2/NDF : 568698.1/33

All: 6384.052+/-0.738 χ^2/NDF : 1092542.9/67

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

diff_bpm0l06Y_mean vs Slug



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

Left Out: 2.443 ± 0.331 χ^2/NDF : 57.7/16

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

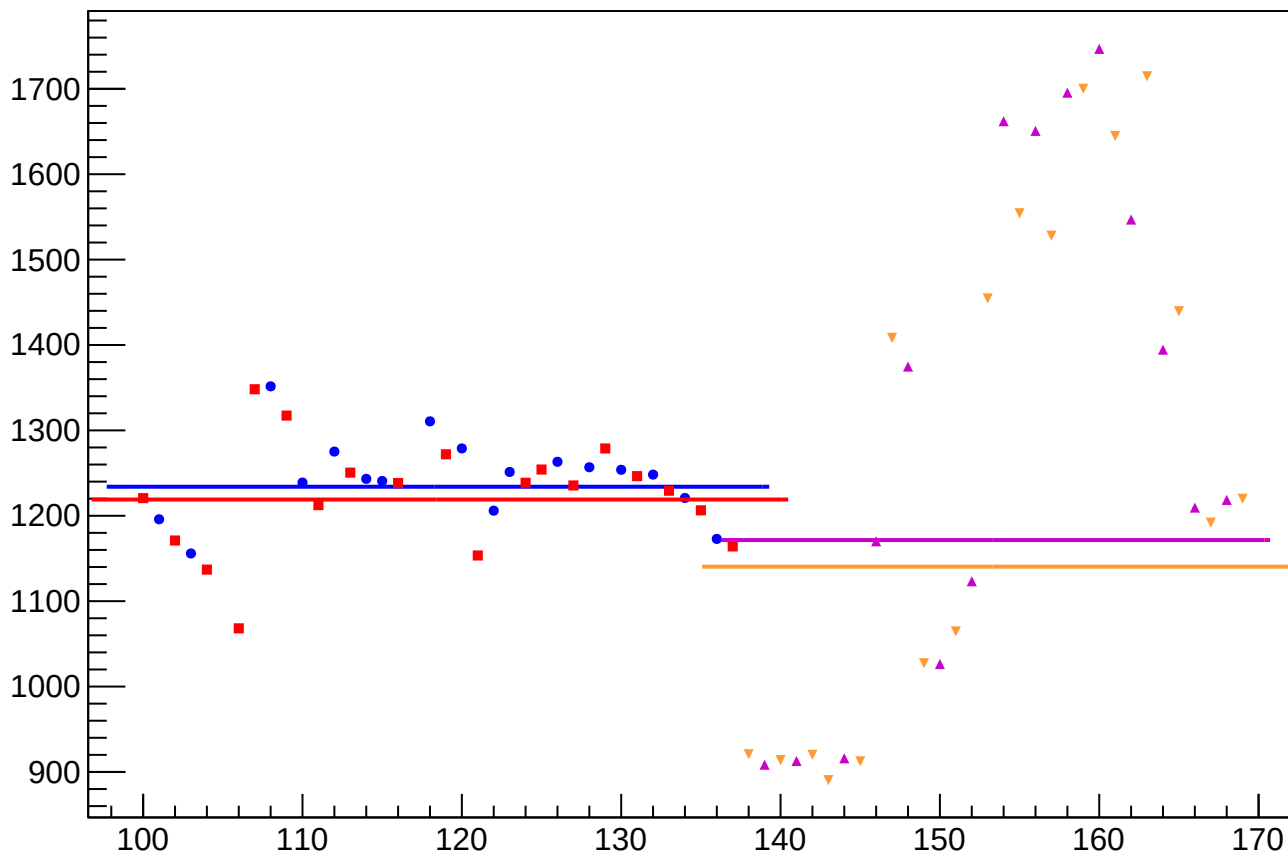
Left In: 3.283 ± 0.354 χ^2/NDF : 123.0/14

+ sign 0.547 ± 0.272 χ^2/NDF : 218.2/33

All: 1.800 ± 0.195 χ^2/NDF : 417.6/67

- sign 3.128 ± 0.280 χ^2/NDF : 155.6/33

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1140.441 $\pm$ 0.234 χ^2 /NDF: 1343674.9/16

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

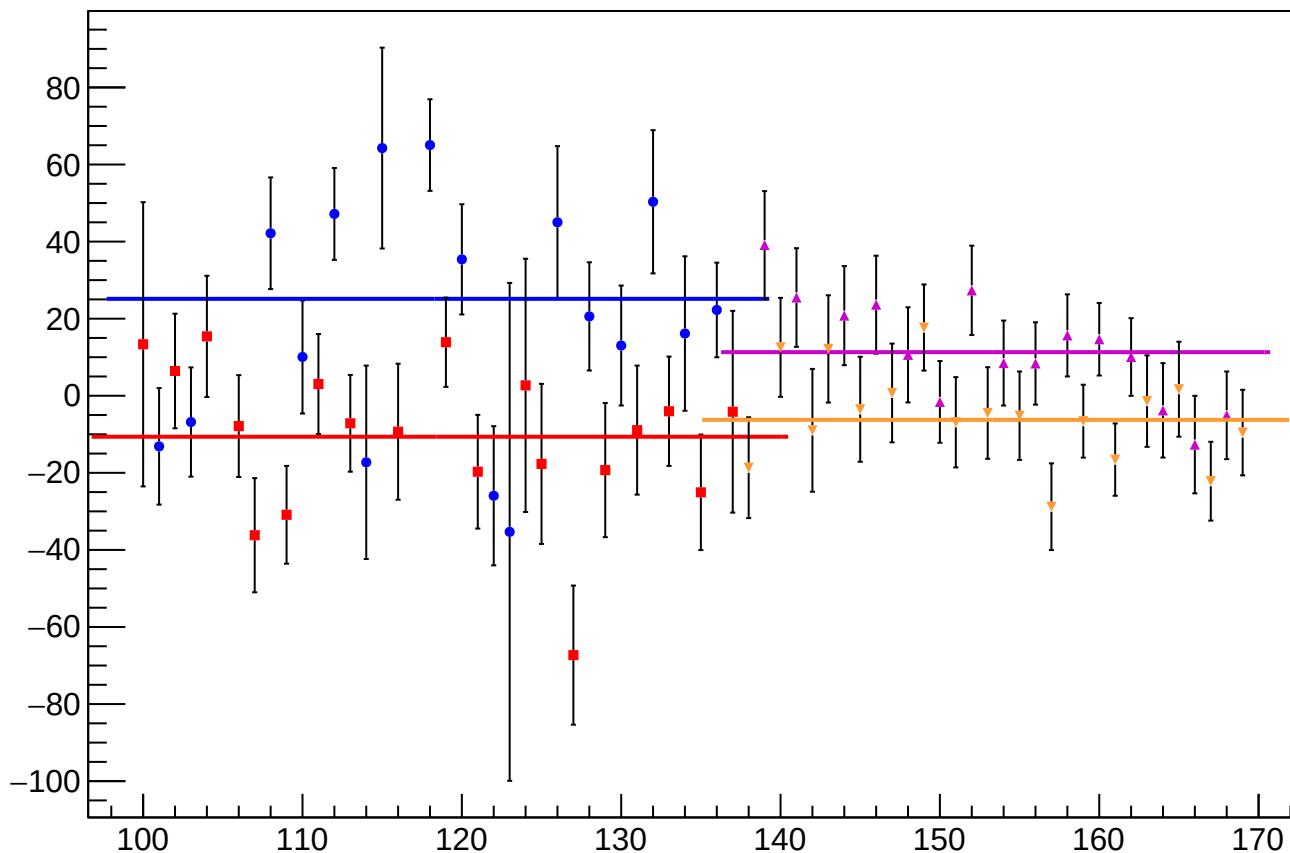
Left In: 1171.567 $\pm$ 0.250 χ^2 /NDF: 1177295.0/14

+ sign 1170.975 $\pm$ 0.192 χ^2 /NDF: 1419438.3/33

All: 1179.912 $\pm$ 0.138 χ^2 /NDF: 2655083.0/67

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

diff_bpm0l07X_mean vs Slug



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

Left Out: -6.256 ± 2.837 $\chi^2/\text{NDF}: 18.1/16$

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

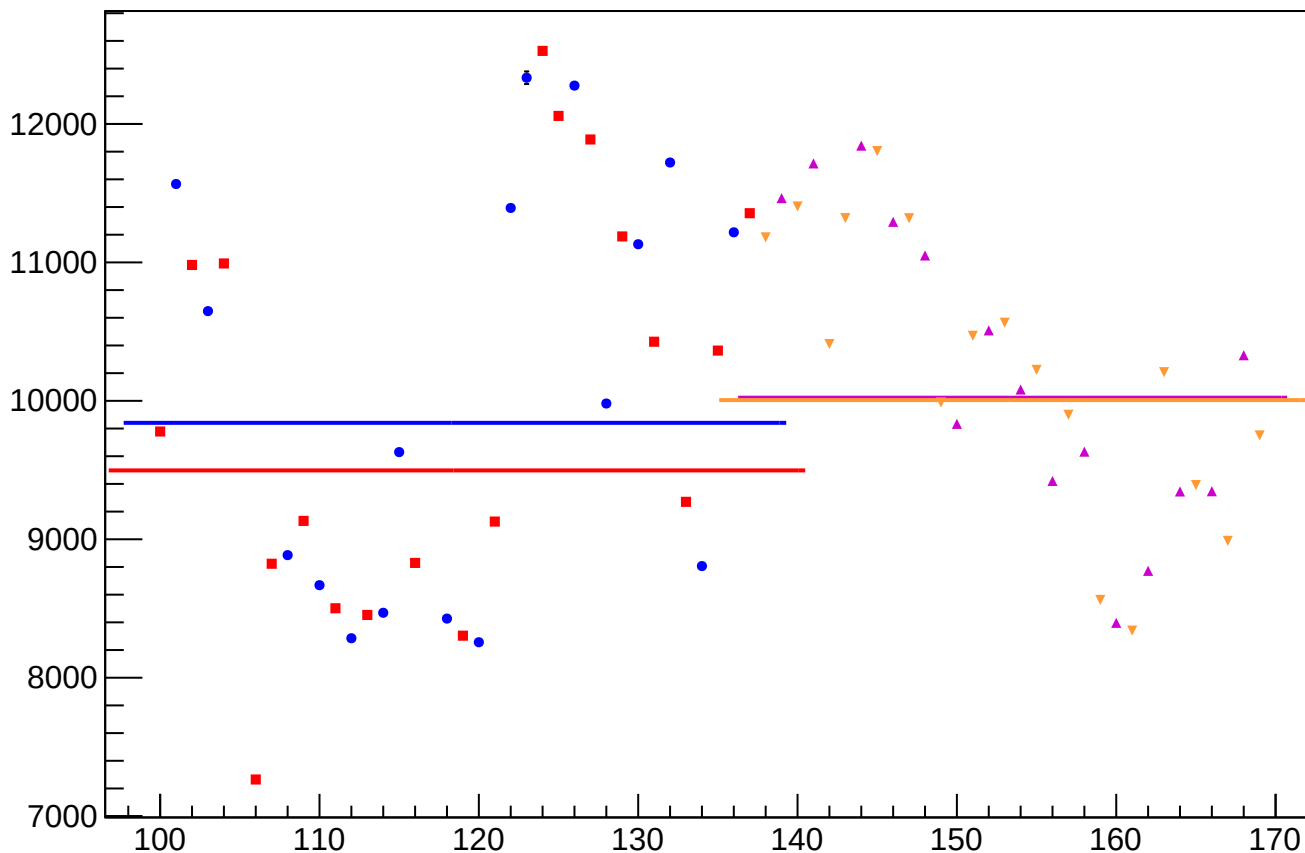
Left In: 11.312 ± 2.962 $\chi^2/\text{NDF}: 17.7/14$

+ sign 4.841 ± 2.281 $\chi^2/\text{NDF}: 108.4/33$

All: 3.641 ± 1.615 $\chi^2/\text{NDF}: 176.5/67$

- sign 2.436 ± 2.286 $\chi^2/\text{NDF}: 67.6/33$

diff_bpm0l07X_rms vs Slug



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

Left Out: 10005.373+/-2.006 χ^2/NDF : 259342.0/16

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

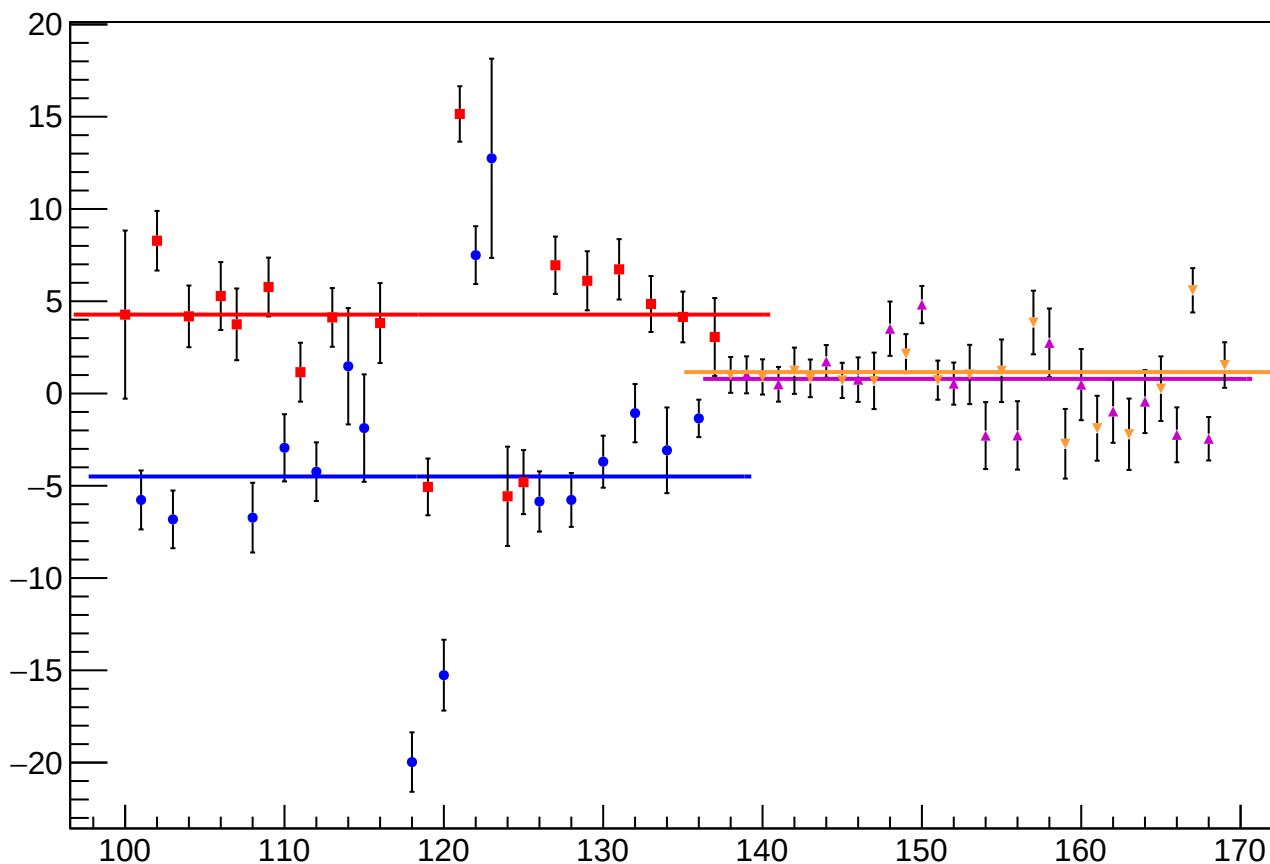
Left In: 10022.689+/-2.095 χ^2/NDF : 247254.4/14

+ sign 9947.352+/-1.613 χ^2/NDF : 521772.3/33

All: 9878.965+/-1.142 χ^2/NDF : 1074757.6/67

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

diff_bpm0l07Y_mean vs Slug



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

Left Out: 1.162 ± 0.306 χ^2/NDF : 28.3/16

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

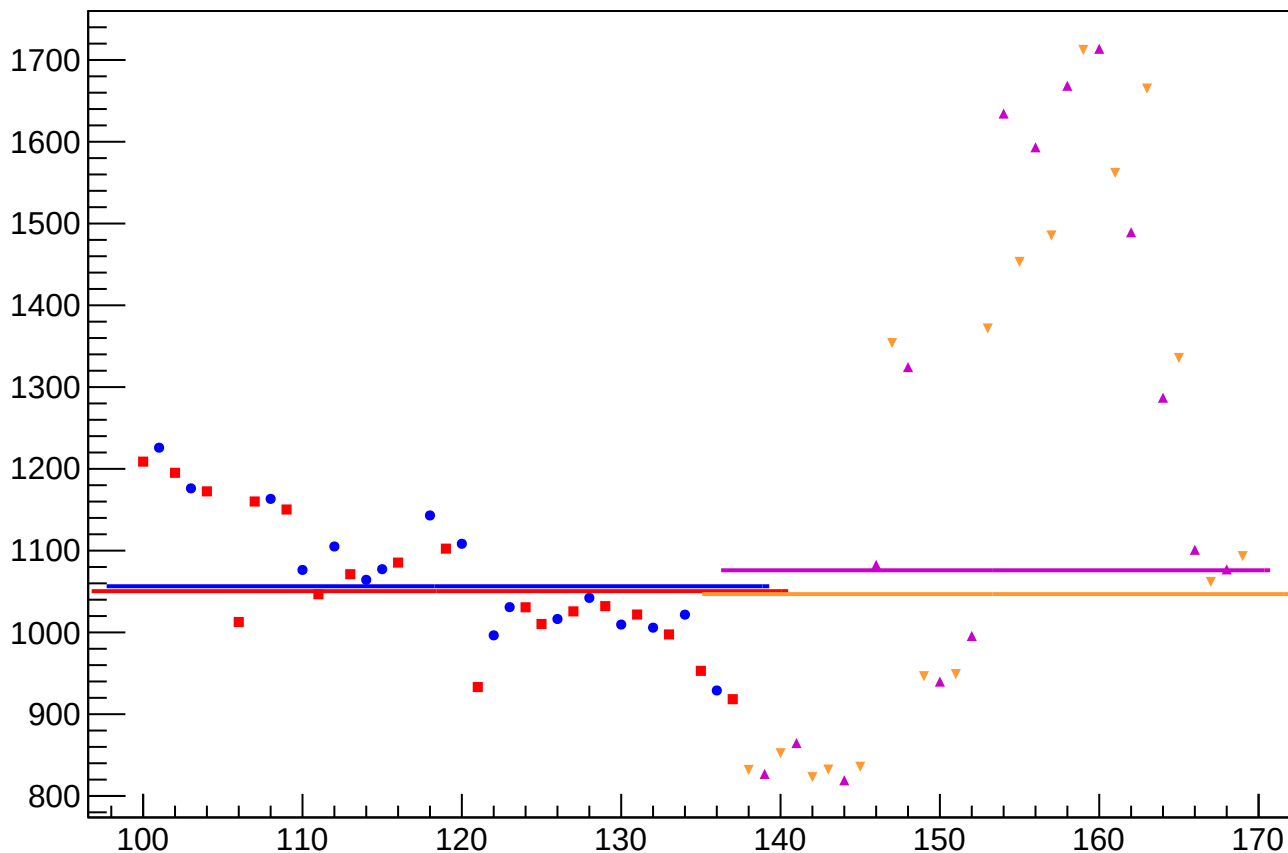
Left In: 0.792 ± 0.328 χ^2/NDF : 40.7/14

+ sign -0.873 ± 0.245 χ^2/NDF : 369.8/33

All: 0.628 ± 0.176 χ^2/NDF : 682.3/67

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

diff_bpm0l07Y_rms vs Slug



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

Left Out: 1046.833 $\pm$ 0.216 χ^2 /NDF:1555370.5/16

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

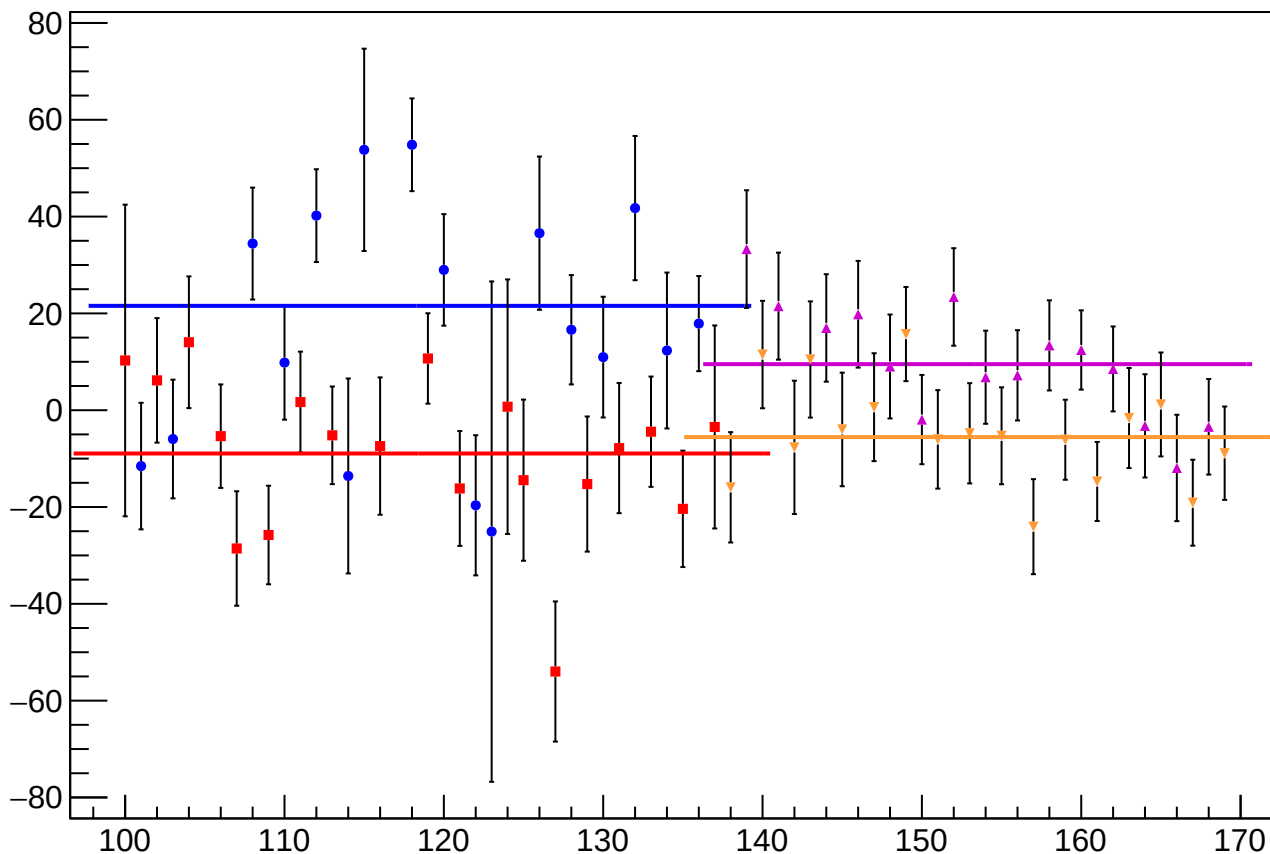
Left In: 1075.963 $\pm$ 0.232 χ^2 /NDF:1412248.7/14

+ sign 1050.286 $\pm$ 0.173 χ^2 /NDF: 1646852.5/33

All: 1057.686 $\pm$ 0.124 χ^2 /NDF: 3150223.9/67

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

diff_bpm0l08X_mean vs Slug



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

Left Out: -5.553 $\pm$ 2.466 χ^2 /NDF: 17.9/16

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

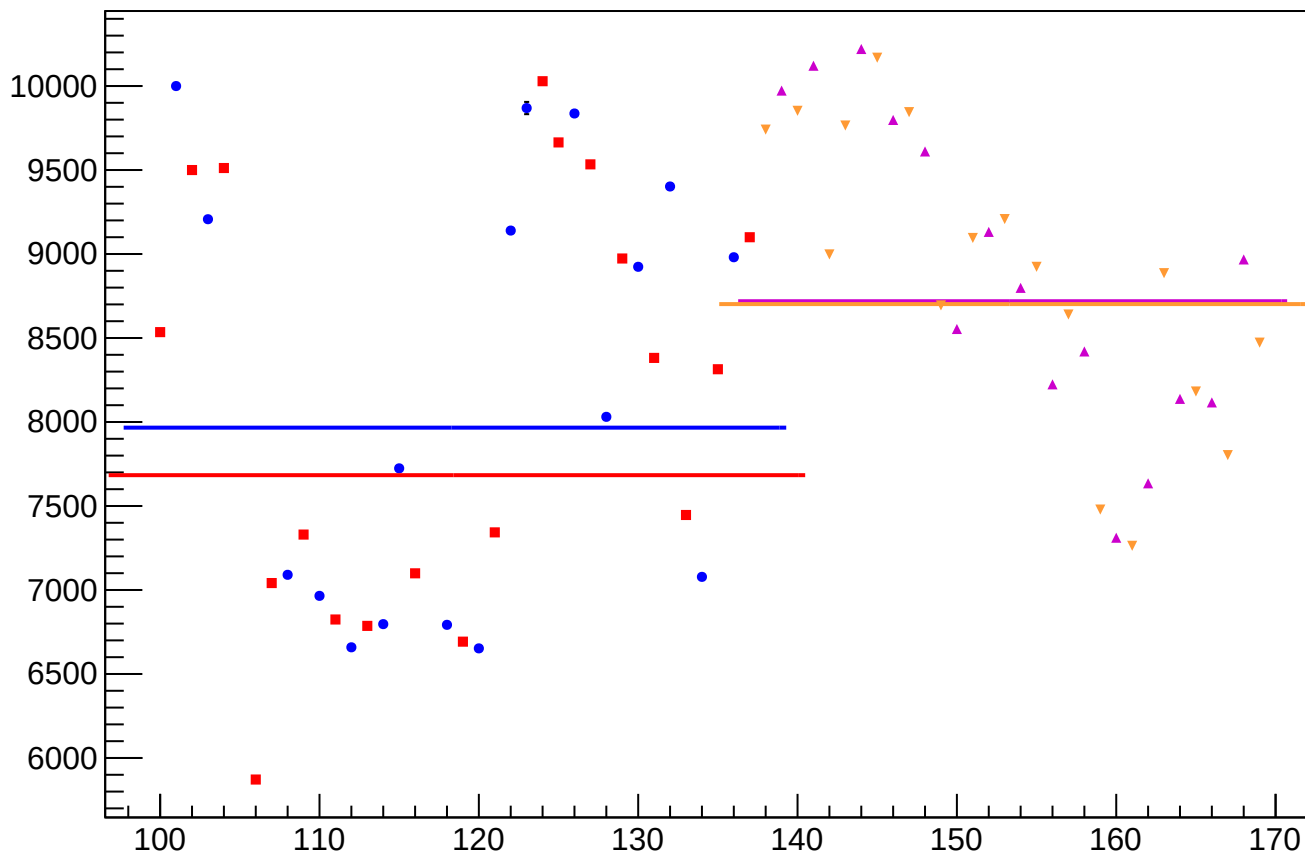
Left In: 9.514 $\pm$ 2.576 χ^2 /NDF: 17.2/14

+ sign 4.915 $\pm$ 1.933 χ^2 /NDF: 113.0/33

All: 3.160 $\pm$ 1.365 χ^2 /NDF: 181.8/67

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

diff_bpm0l08X_rms vs Slug



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

Left Out: 8701.861 $\pm$ 1.744 χ^2 /NDF: 248698.8/16

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

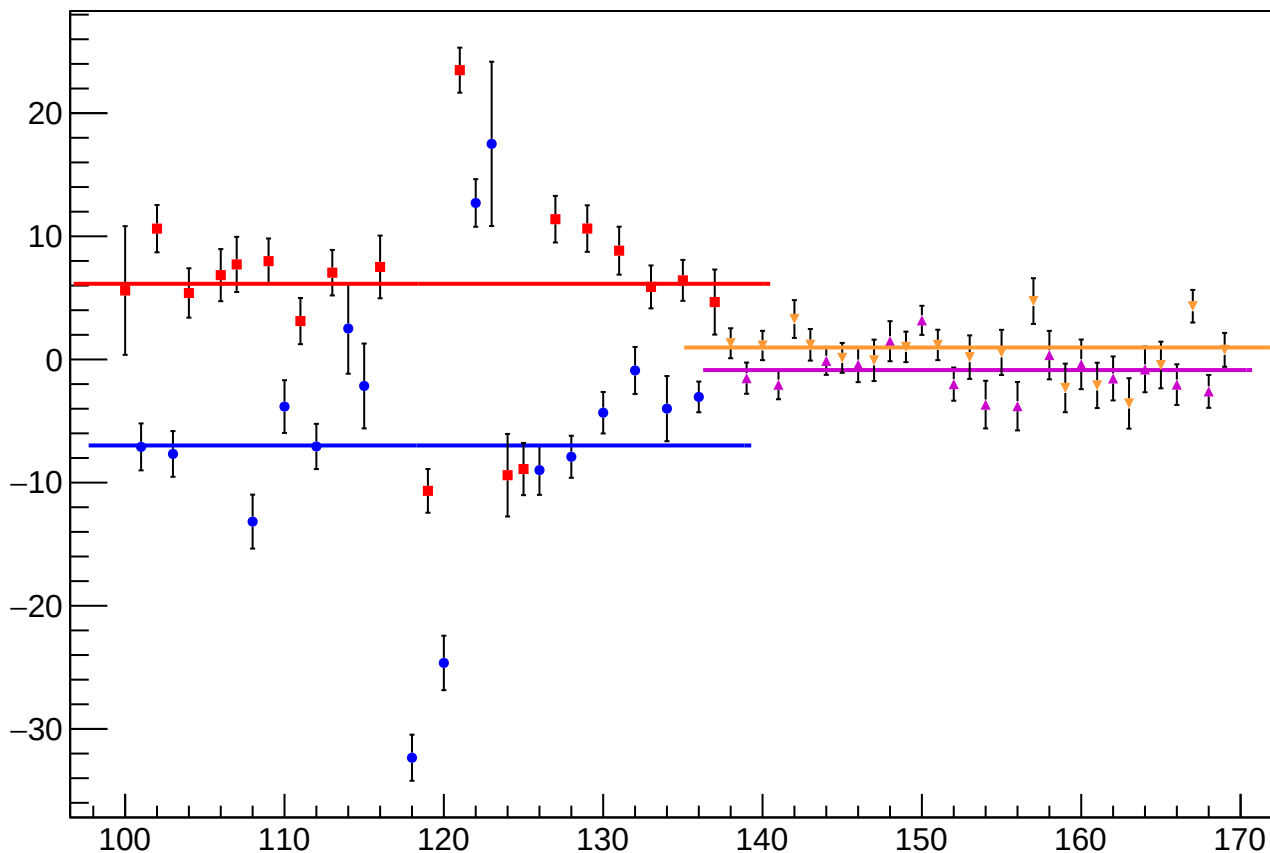
Left In: 8718.946 $\pm$ 1.822 χ^2 /NDF: 237708.9/14

+ sign 8417.927 $\pm$ 1.367 χ^2 /NDF: 613960.8/33

All: 8341.005 $\pm$ 0.965 χ^2 /NDF: 1314900.6/67

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

diff_bpm0l08Y_mean vs Slug



Right In: -6.984 $\pm$ 0.486 χ^2 /NDF: 408.5/16

Left Out: 0.971 $\pm$ 0.357 χ^2 /NDF: 25.1/16

Right Out: 6.145 $\pm$ 0.467 χ^2 /NDF: 277.5/18

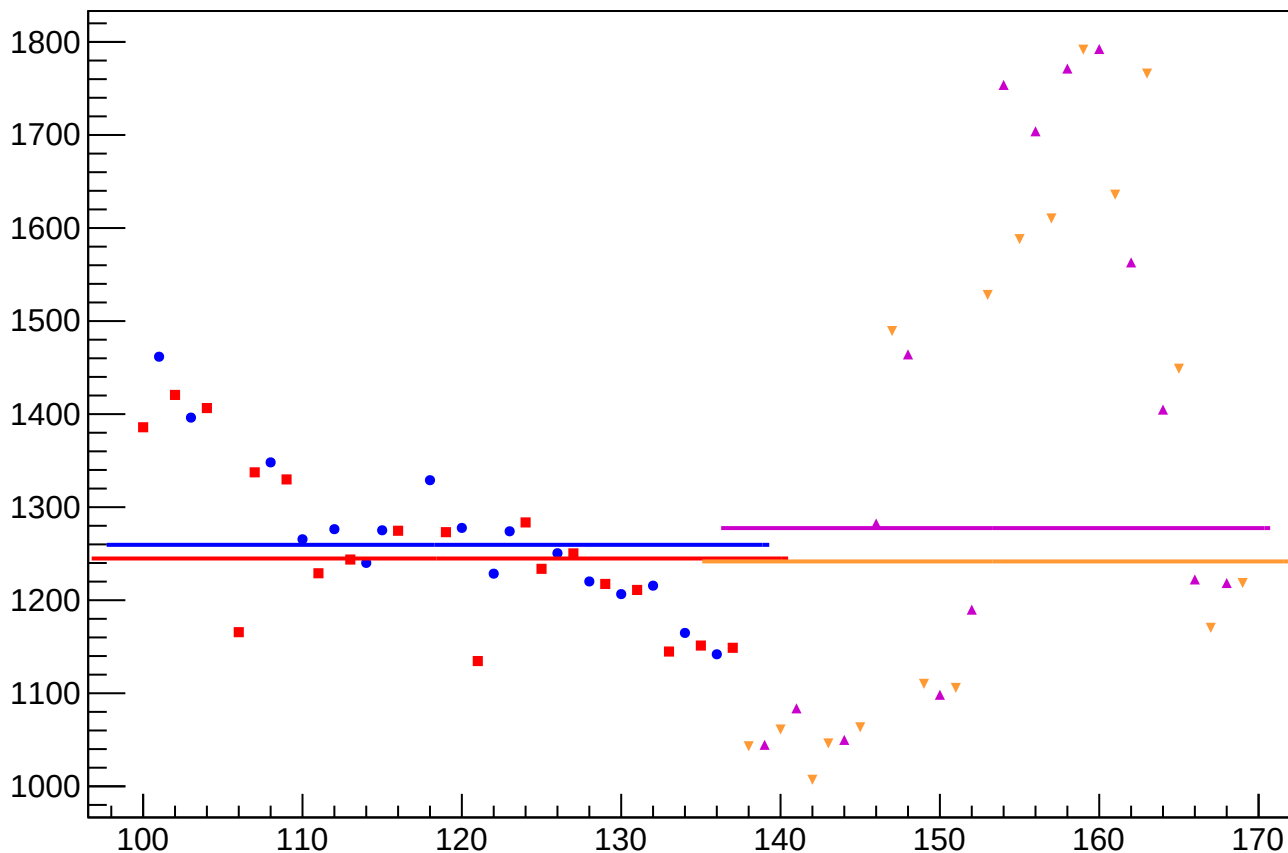
Left In: -0.861 $\pm$ 0.383 χ^2 /NDF: 23.4/14

+ sign -1.819 $\pm$ 0.288 χ^2 /NDF: 607.5/33

All: 0.017 $\pm$ 0.206 χ^2 /NDF: 1126.7/67

- sign 1.957 $\pm$ 0.296 χ^2 /NDF: 435.6/33

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1241.685+/-0.253 χ^2/NDF : 937004.0/16

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

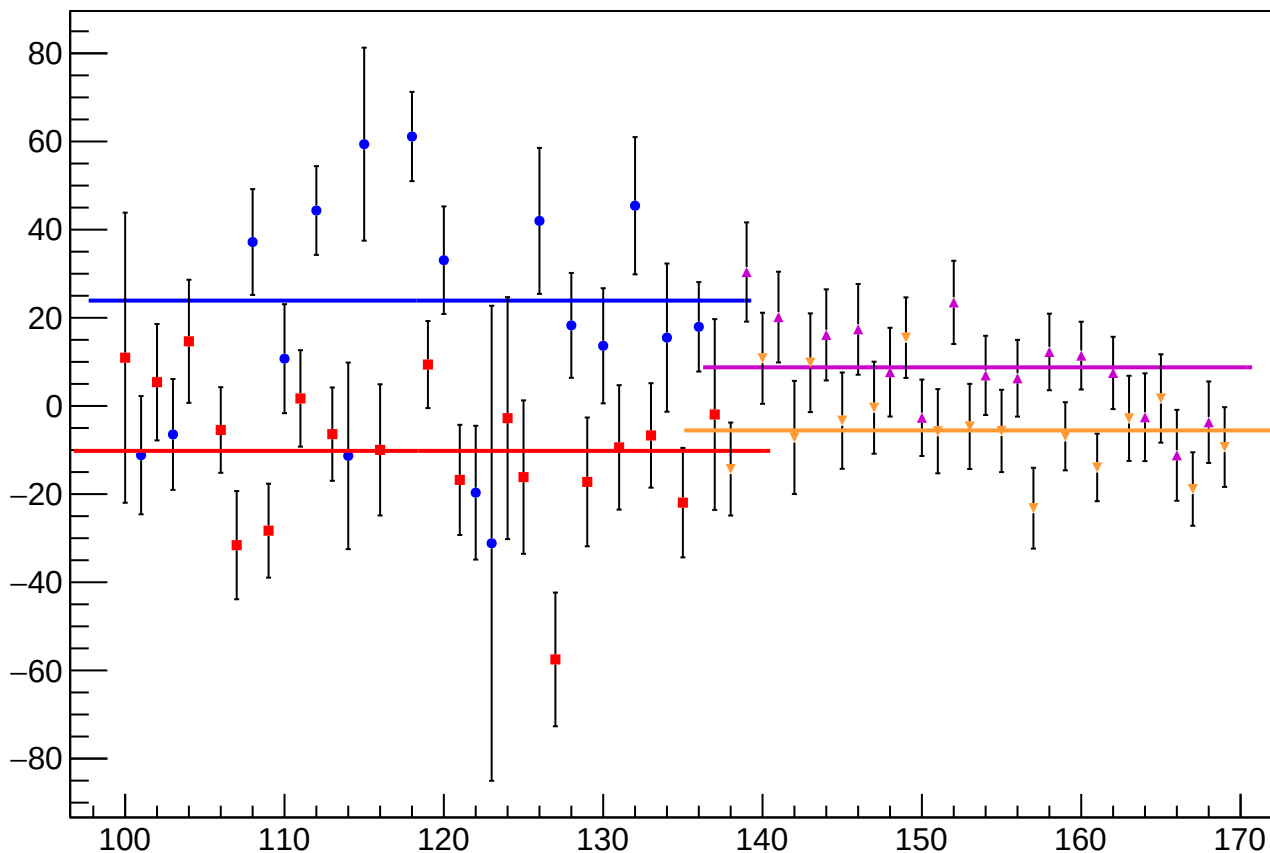
Left In: 1277.523+/-0.271 χ^2/NDF : 821323.1/14

+ sign 1247.945+/-0.204 χ^2/NDF : 1003597.9/33

All: 1255.934+/-0.146 χ^2/NDF : 1900777.2/67

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

diff_bpm0l09X_mean vs Slug



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

Left Out: -5.549 ± 2.306 $\chi^2/\text{NDF}: 18.9/16$

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

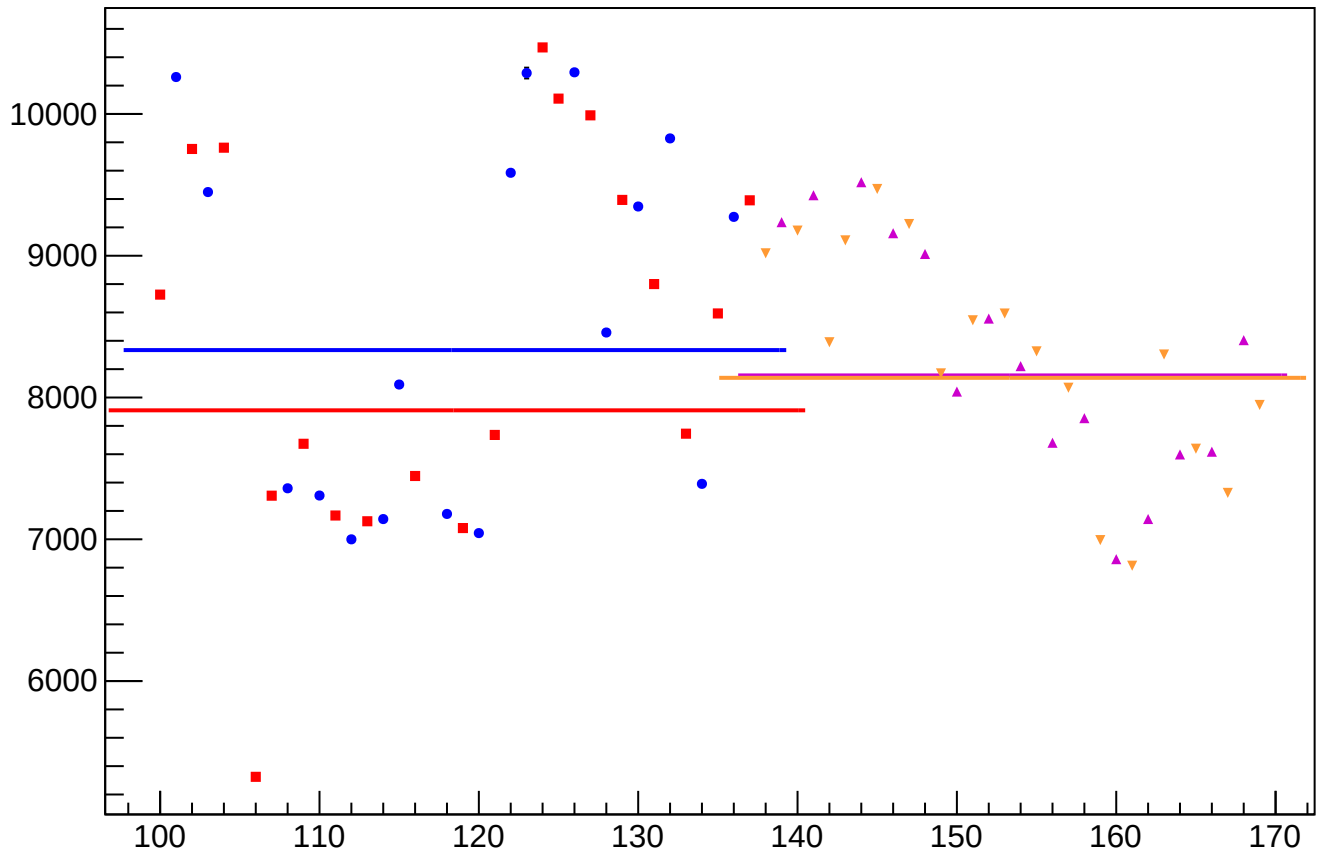
Left In: 8.764 ± 2.409 $\chi^2/\text{NDF}: 17.6/14$

+ sign 4.313 ± 1.881 $\chi^2/\text{NDF}: 126.0/33$

All: 2.831 ± 1.330 $\chi^2/\text{NDF}: 197.0/67$

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

diff_bpm0l09X_rms vs Slug



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

Left Out: 8138.864 $\pm$ 1.631 χ^2 /NDF:239207.0/16

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

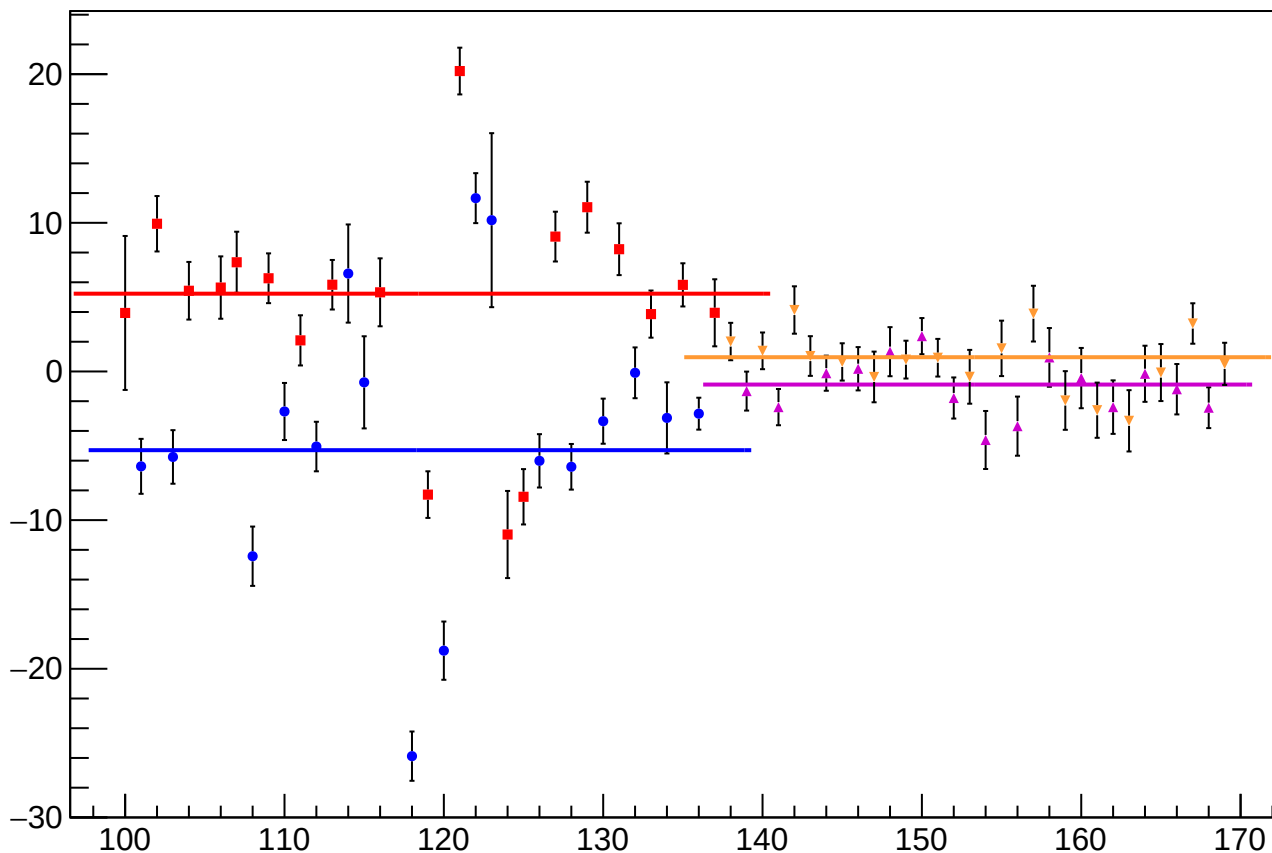
Left In: 8155.768 $\pm$ 1.703 χ^2 /NDF:230075.1/14

+ sign 8204.375 $\pm$ 1.330 χ^2 /NDF: 516328.6/33

All: 8131.883 $\pm$ 0.940 χ^2 /NDF: 1151327.4/67

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

diff_bpm0l09Y_mean vs Slug



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

Left Out: 0.959 ± 0.367 χ^2/NDF : 21.9/16

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

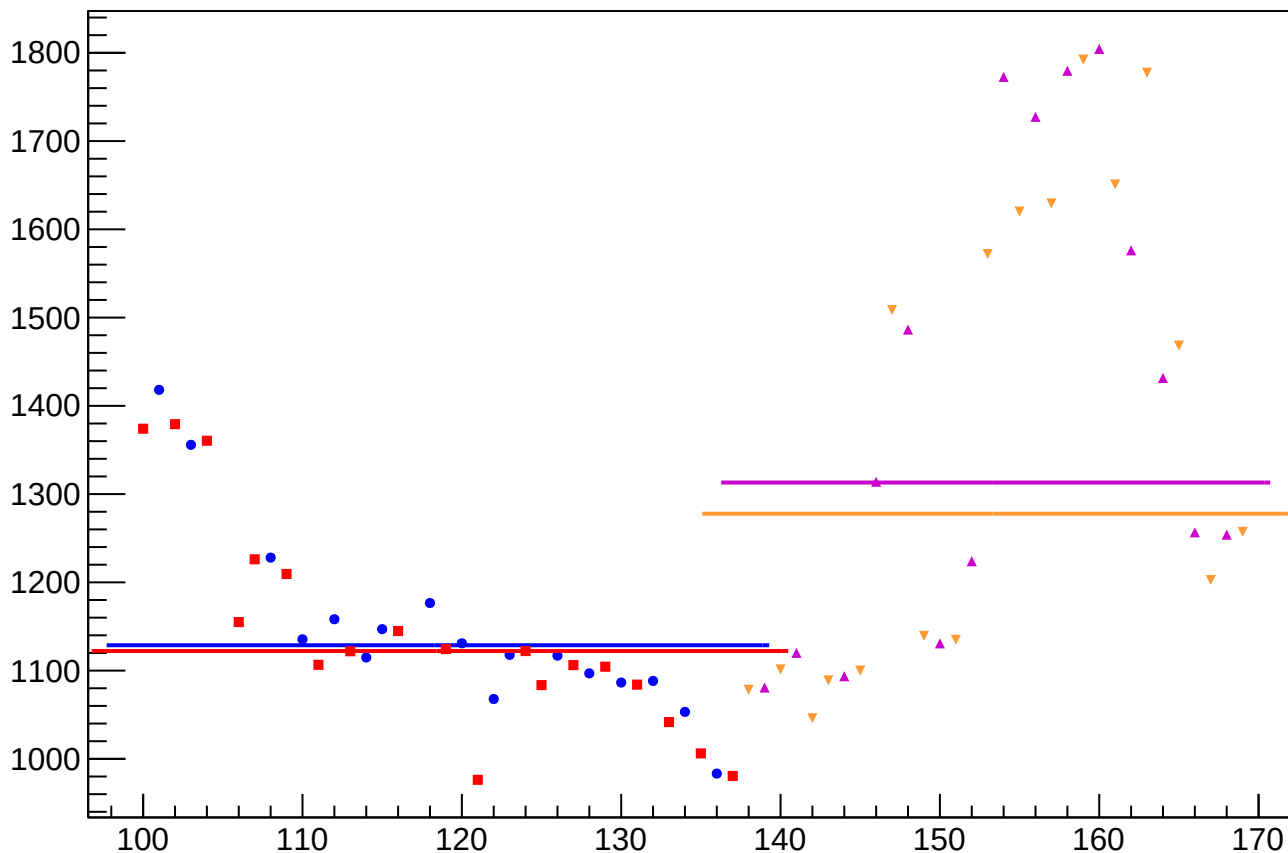
Left In: -0.880 ± 0.392 χ^2/NDF : 20.7/14

+ sign -1.627 ± 0.281 χ^2/NDF : 500.2/33

All: 0.125 ± 0.201 χ^2/NDF : 995.1/67

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

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1277.760 $\pm$ 0.259 χ^2 /NDF: 850340.2/16

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

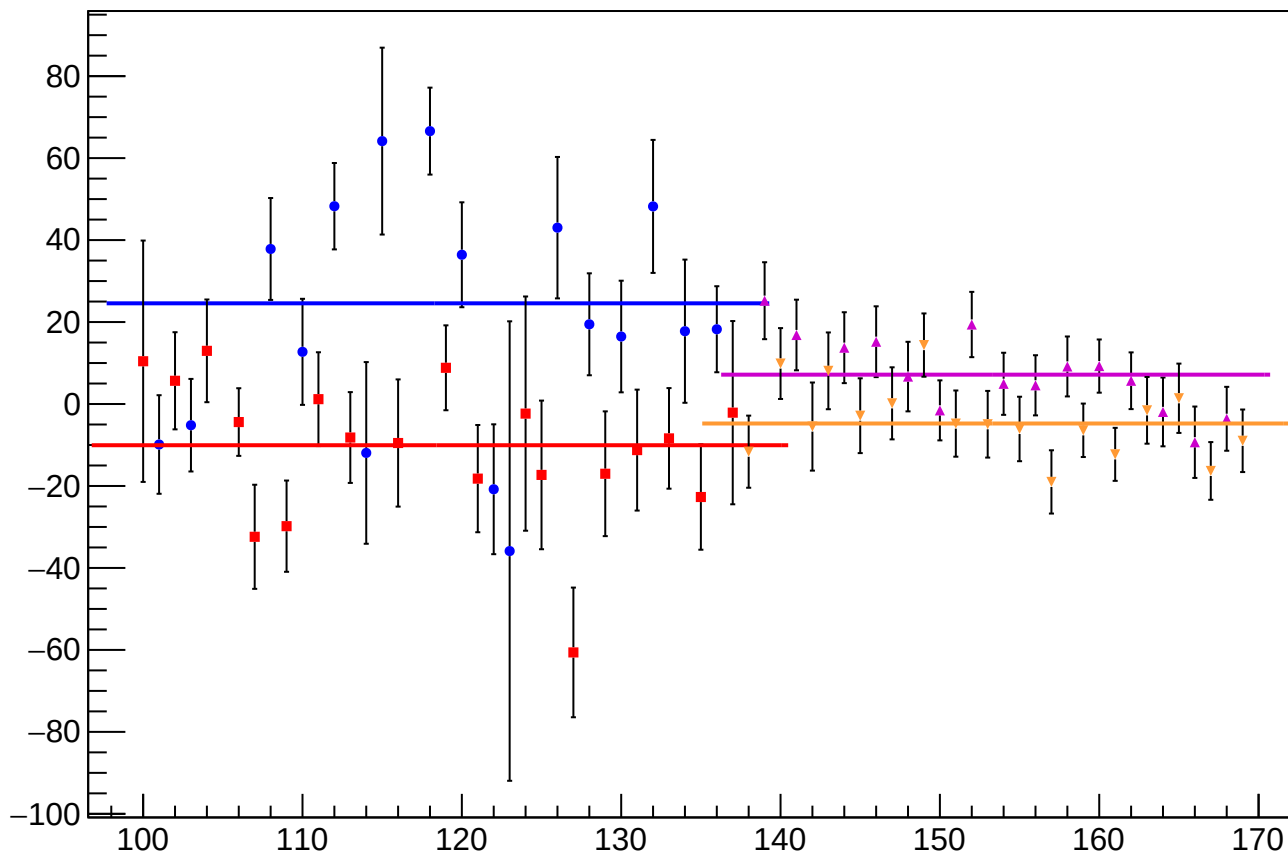
Left In: 1313.110 $\pm$ 0.278 χ^2 /NDF: 740428.6/14

+ sign 1216.133 $\pm$ 0.199 χ^2 /NDF: 1119928.4/33

All: 1220.224 $\pm$ 0.142 χ^2 /NDF: 2210404.2/67

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

diff_bpm0l10X_mean vs Slug



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

Left Out: -4.754 ± 1.941 χ^2/NDF : 20.4/16

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

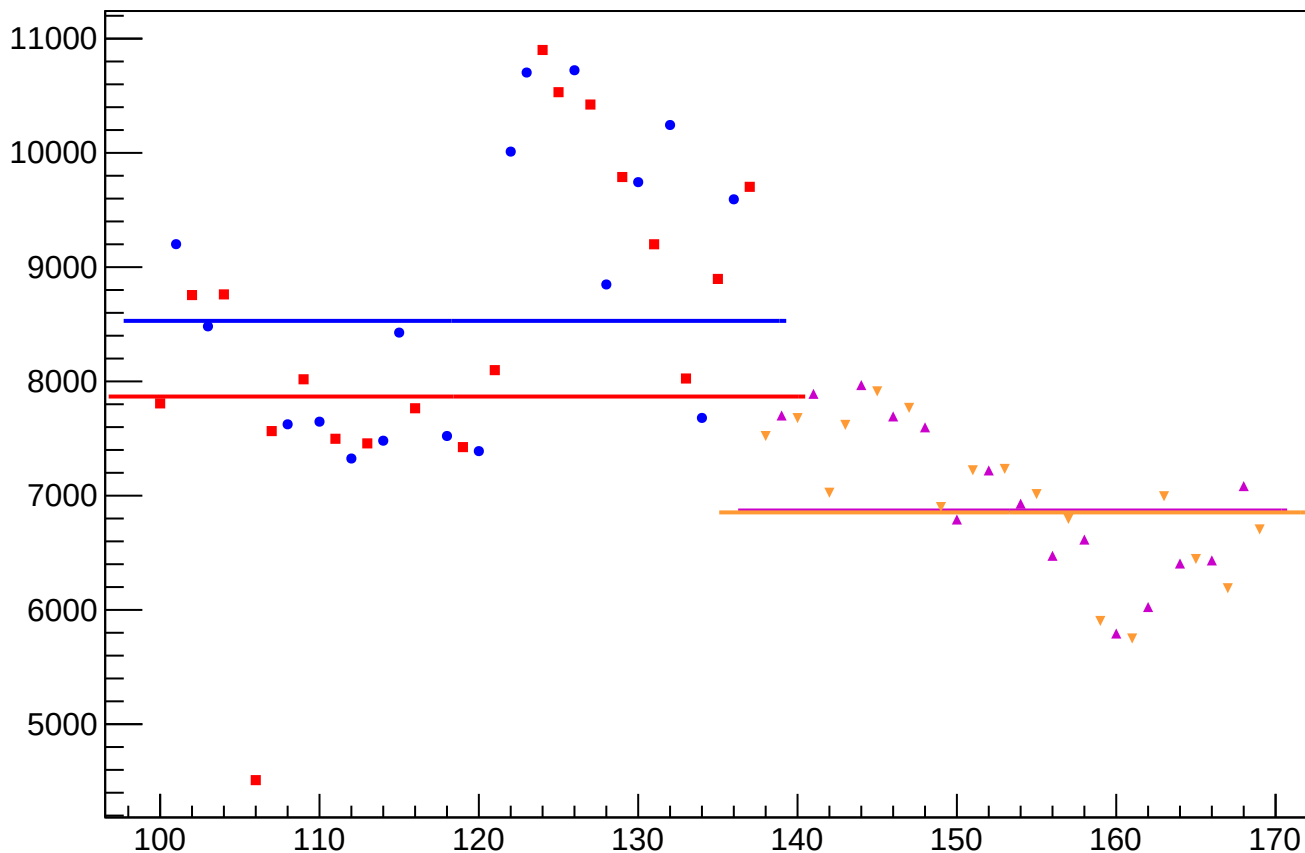
Left In: 7.162 ± 2.029 χ^2/NDF : 17.3/14

+ sign 2.723 ± 1.676 χ^2/NDF : 136.7/33

All: 2.252 ± 1.187 χ^2/NDF : 205.5/67

- sign 1.778 ± 1.682 χ^2/NDF : 68.6/33

diff_bpm0l10X_rms vs Slug



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

Left Out: 6853.491+/-1.373 χ^2/NDF : 226275.3/16

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

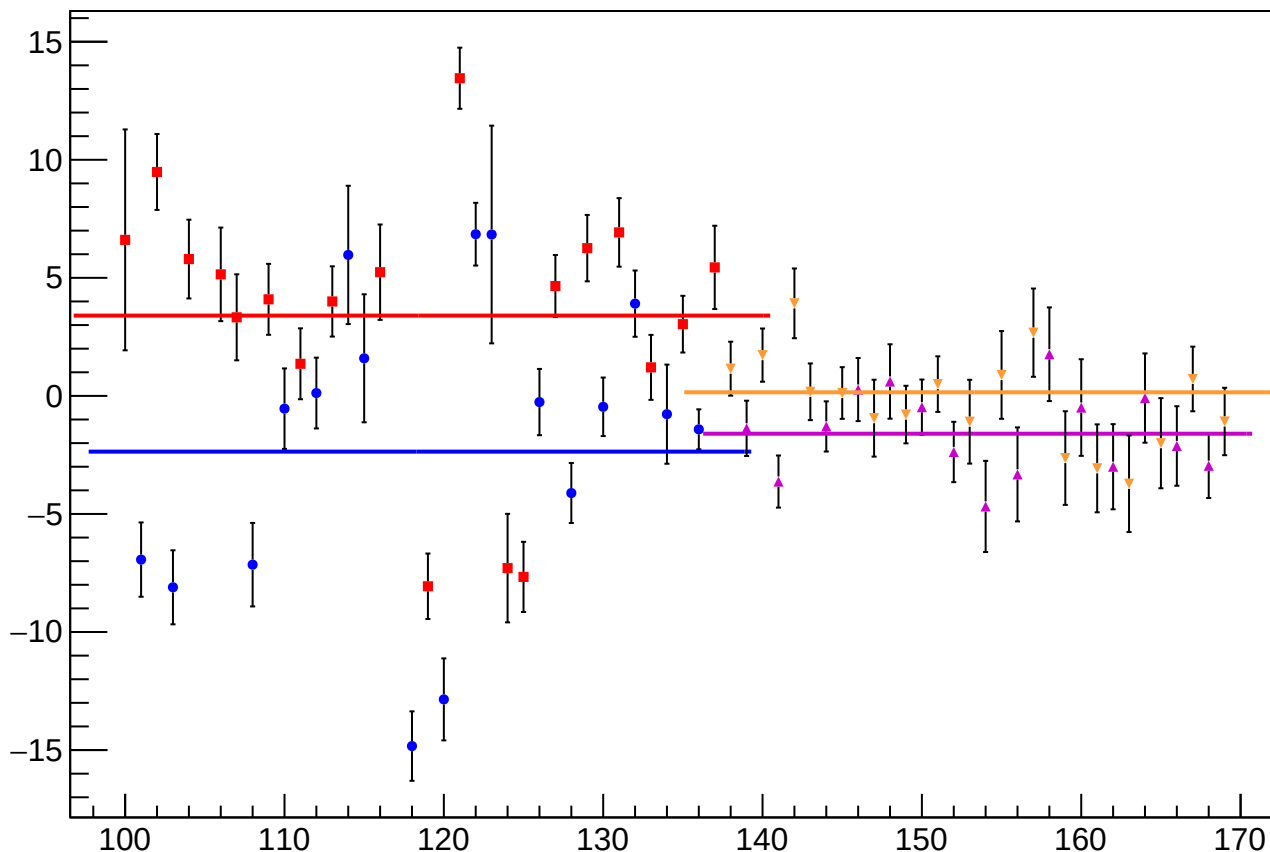
Left In: 6870.058+/-1.434 χ^2/NDF : 218828.0/14

+ sign 7280.968+/-1.185 χ^2/NDF : 814845.9/33

All: 7231.645+/-0.839 χ^2/NDF : 1744204.9/67

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

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.154 ± 0.347 χ^2/NDF : 23.6/16

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

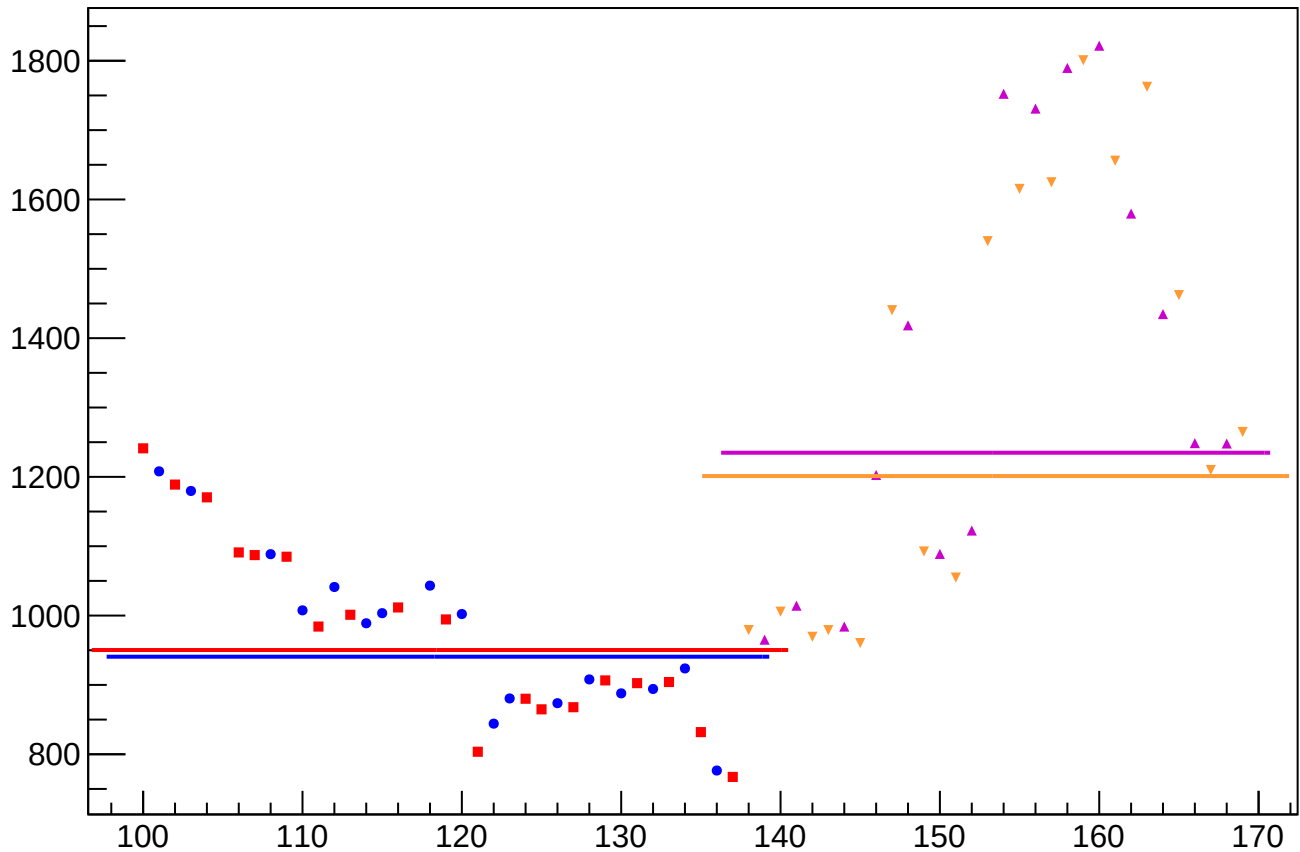
Left In: -1.602 ± 0.372 χ^2/NDF : 17.5/14

+ sign -1.039 ± 0.252 χ^2/NDF : 280.4/33

All: -0.048 ± 0.180 χ^2/NDF : 665.0/67

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

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1201.156+/-0.246 χ^2/NDF :1209312.8/16

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

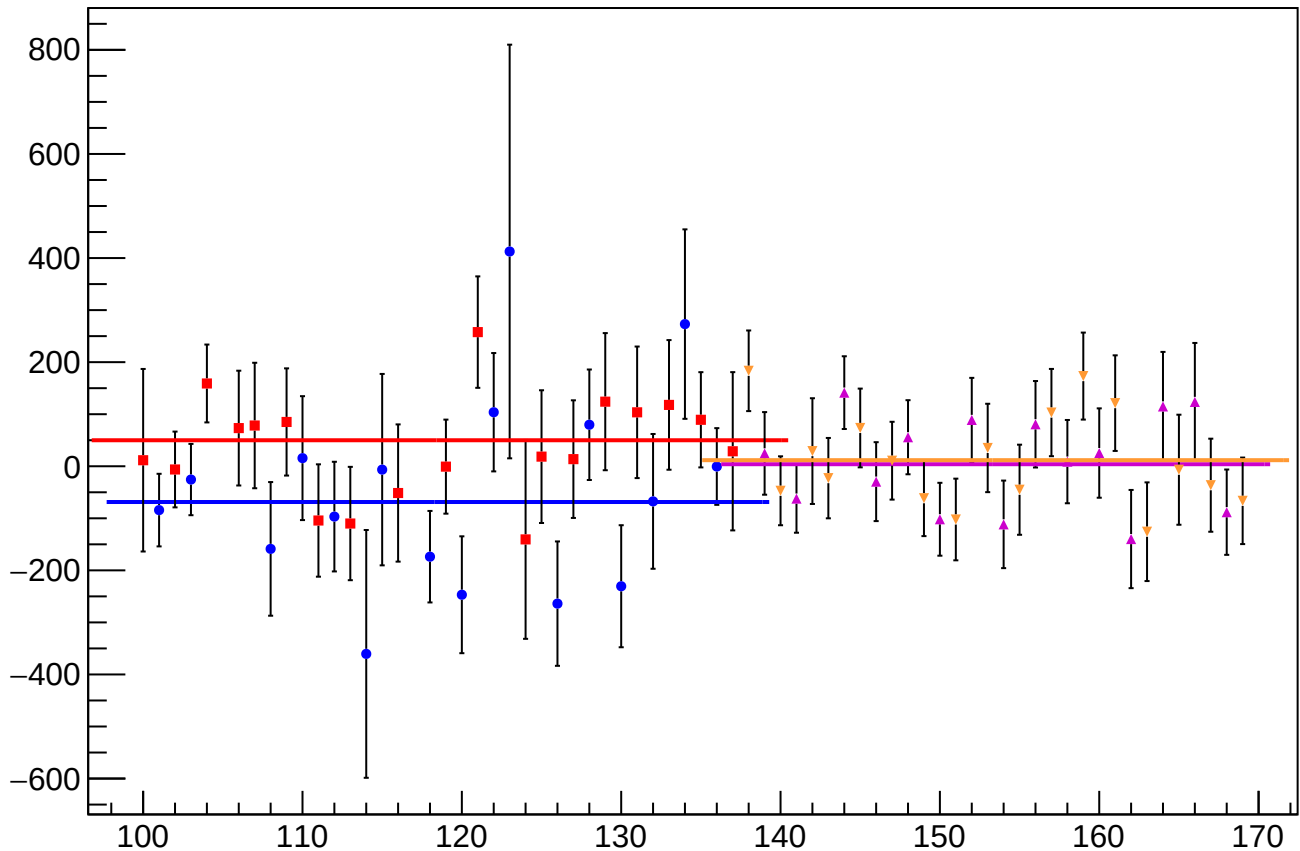
Left In: 1234.812+/-0.263 χ^2/NDF :1056962.5/14

+ sign 1077.547+/-0.178 χ^2/NDF : 1984652.6/33

All: 1082.274+/-0.127 χ^2/NDF : 3870940.2/67

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

diff_bpm0r03X_mean vs Slug



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

Left Out: 11.683 ± 19.955 χ^2/NDF : 19.9/16

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

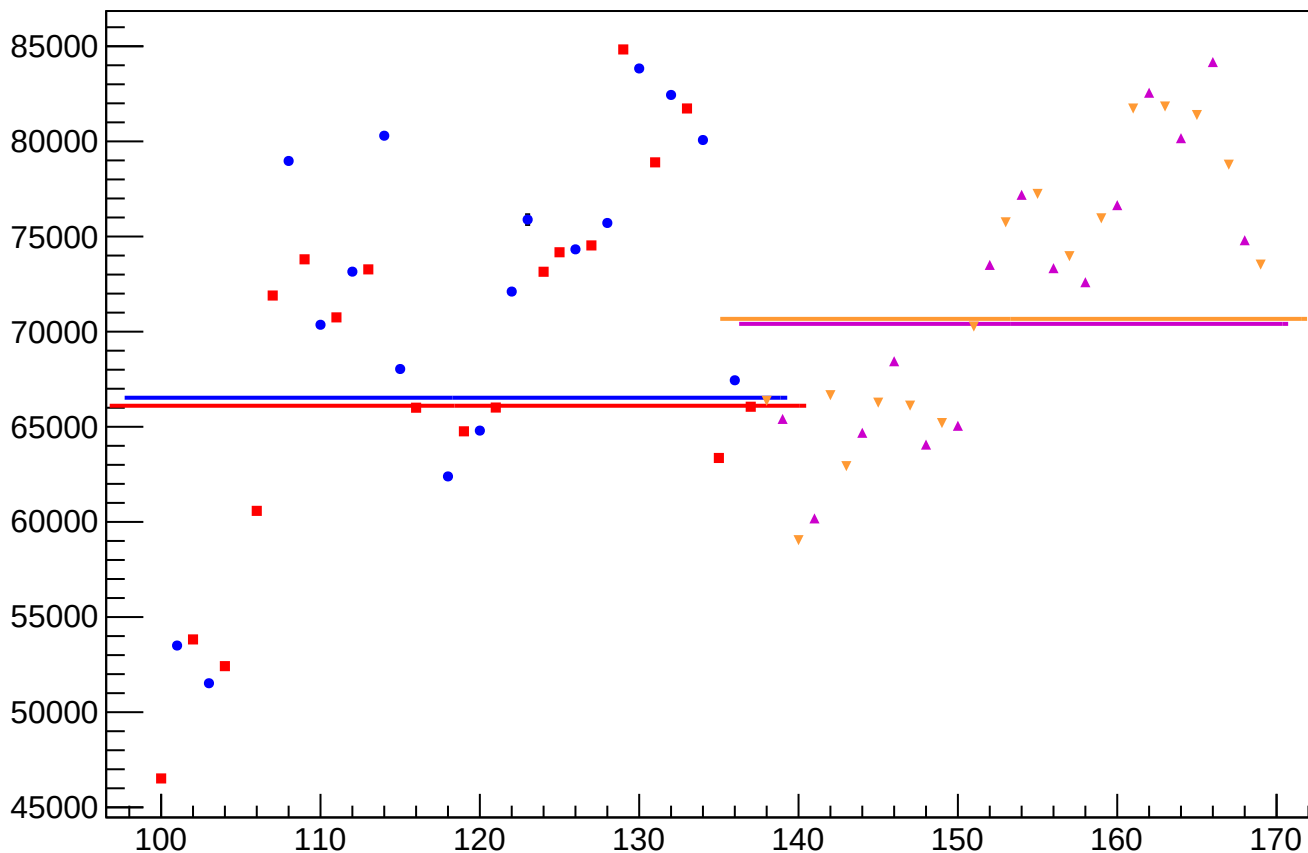
Left In: 3.931 ± 20.702 χ^2/NDF : 17.7/14

+ sign -18.189 ± 15.818 χ^2/NDF : 47.7/33

All: 2.054 ± 11.231 χ^2/NDF : 84.7/67

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

diff_bpm0r03X_rms vs Slug



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

Left Out: 70672.148+/-14.111 χ^2/NDF : 242514.9/16

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

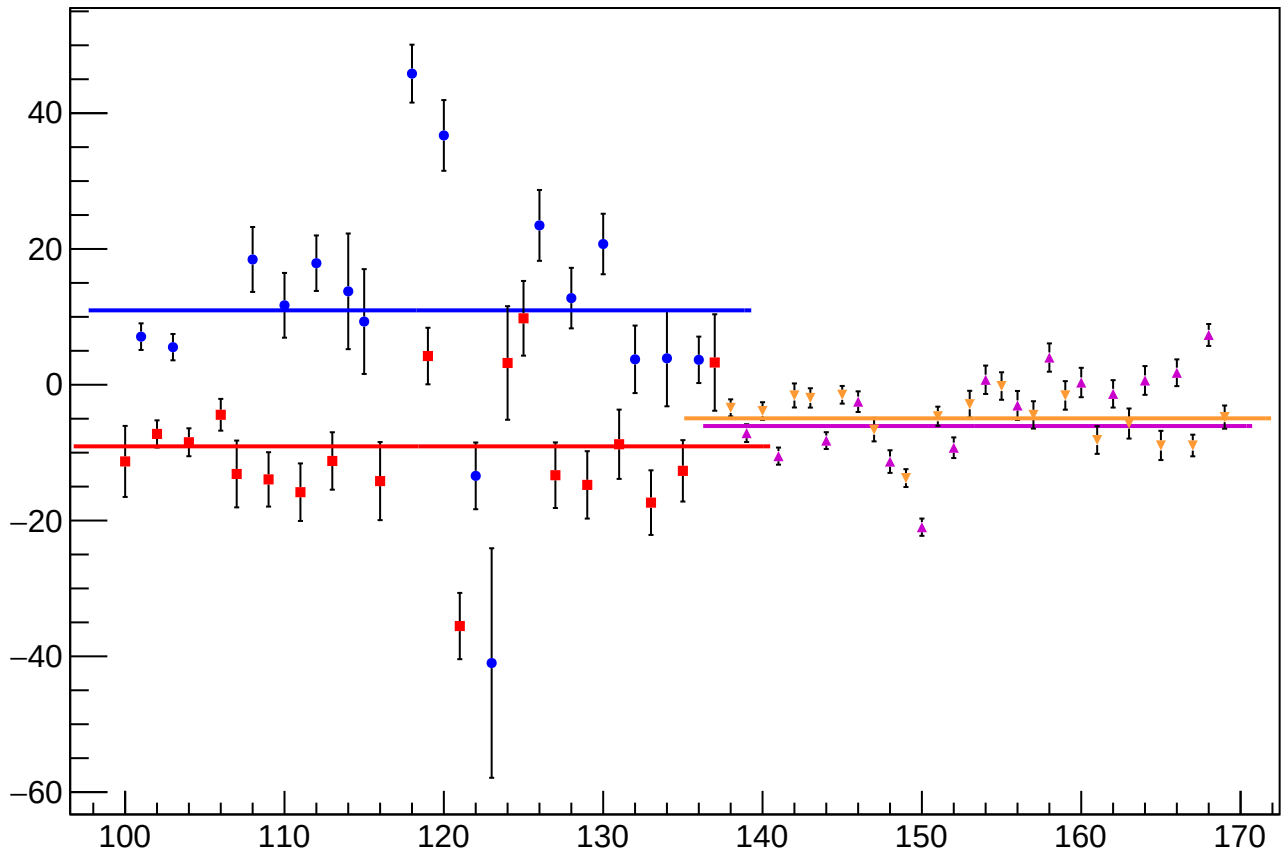
Left In: 70408.531+/-14.639 χ^2/NDF : 215204.5/14

+ sign 69131.599+/-11.185 χ^2/NDF : 595472.6/33

All: 68897.710+/-7.942 χ^2/NDF : 1145154.9/6

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

diff_bpm0r03Y_mean vs Slug



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

Left Out: -4.945 ± 0.395 χ^2/NDF : 84.7/16

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

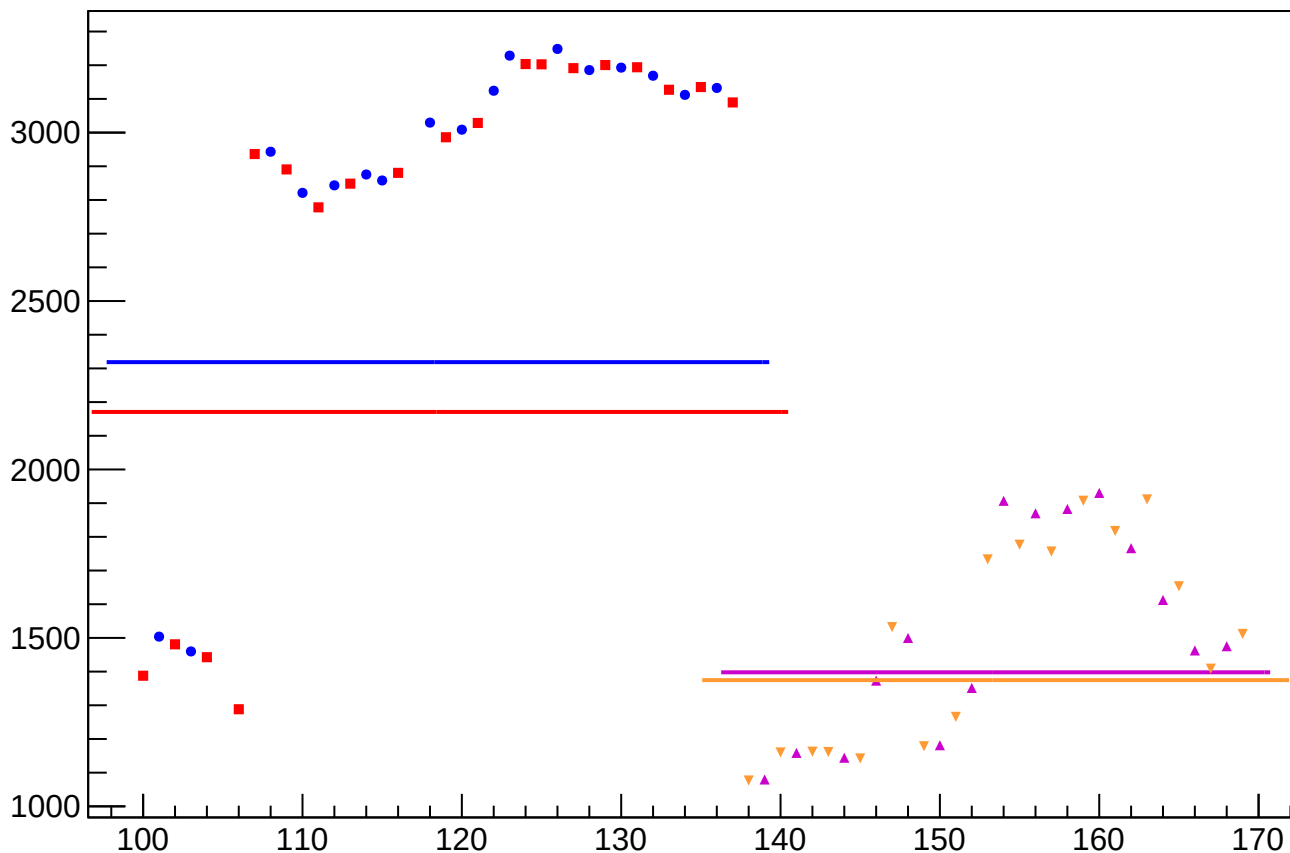
Left In: -6.080 ± 0.418 χ^2/NDF : 318.5/14

+ sign -2.571 ± 0.364 χ^2/NDF : 487.5/33

All: -4.540 ± 0.262 χ^2/NDF : 949.2/67

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

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1374.709+/-0.279 χ^2/NDF : 981180.0/16

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

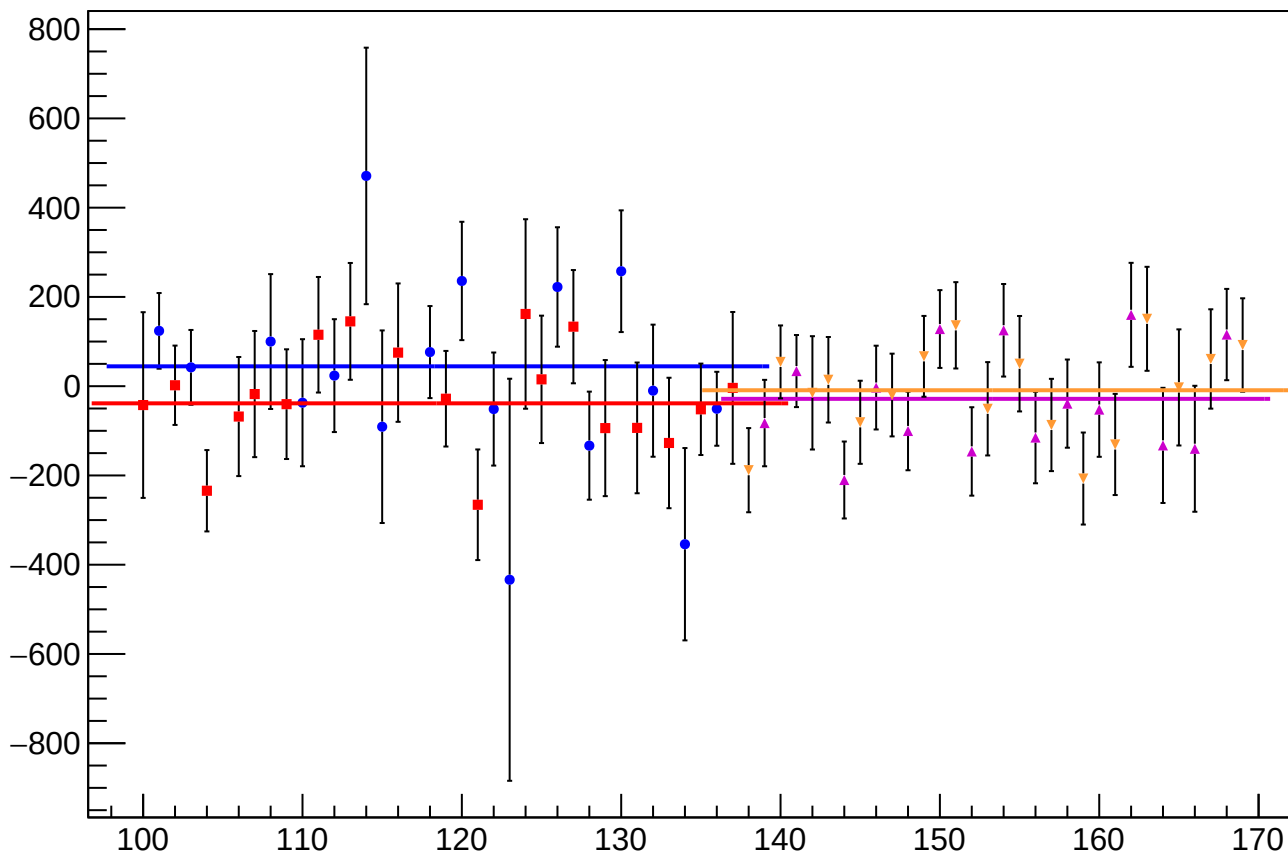
Left In: 1397.884+/-0.296 χ^2/NDF : 881482.5/14

+ sign 1515.582+/-0.258 χ^2/NDF : 4093636.3/33

All: 1529.358+/-0.185 χ^2/NDF : 8025447.0/67

- sign 1544.088+/-0.266 χ^2/NDF : 3925895.4/33

diff_bpm0r05X_mean vs Slug



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

Left Out: -9.101 ± 24.671 χ^2/NDF : 16.9/16

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

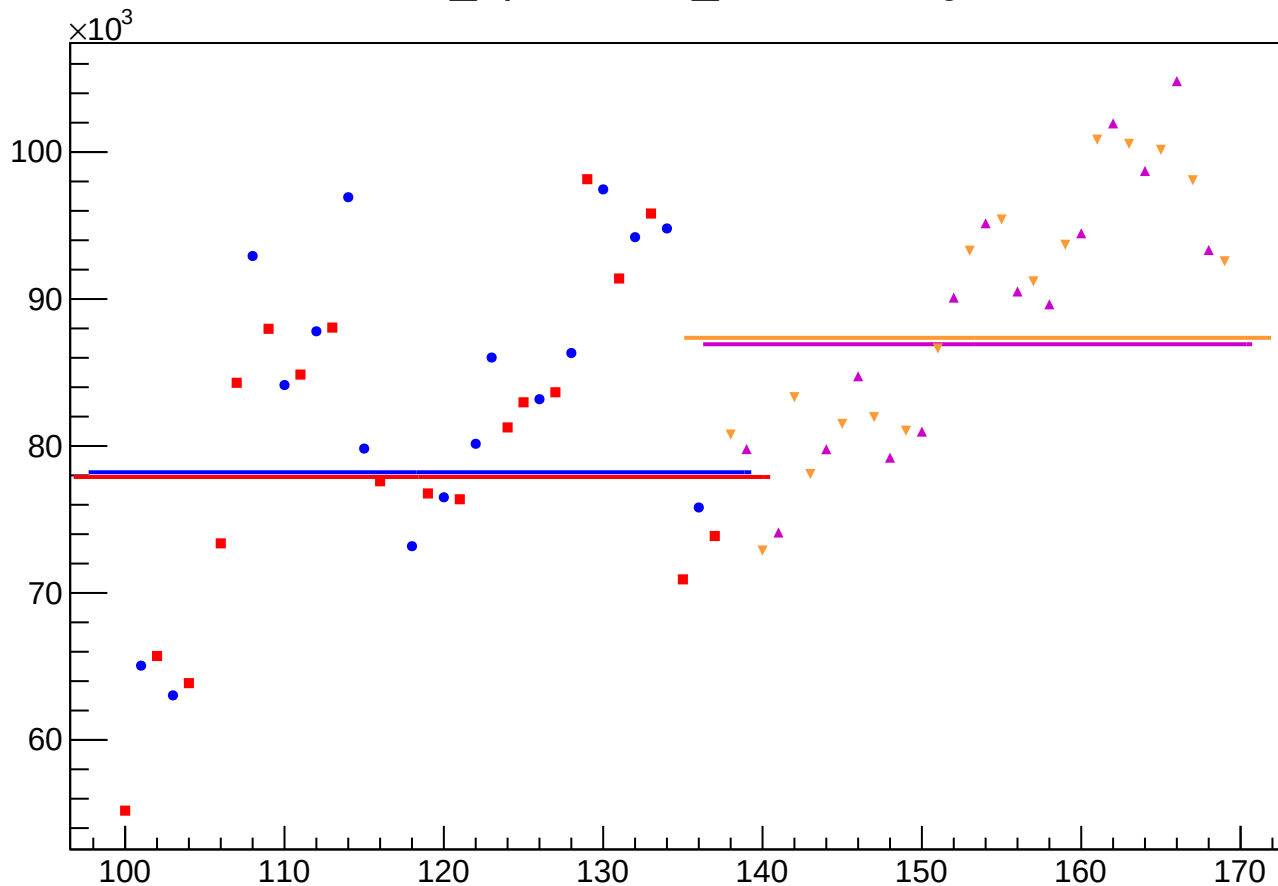
Left In: -28.365 ± 25.564 χ^2/NDF : 19.6/14

+ sign 12.150 ± 19.164 χ^2/NDF : 37.9/33

All: -10.111 ± 13.599 χ^2/NDF : 76.0/67

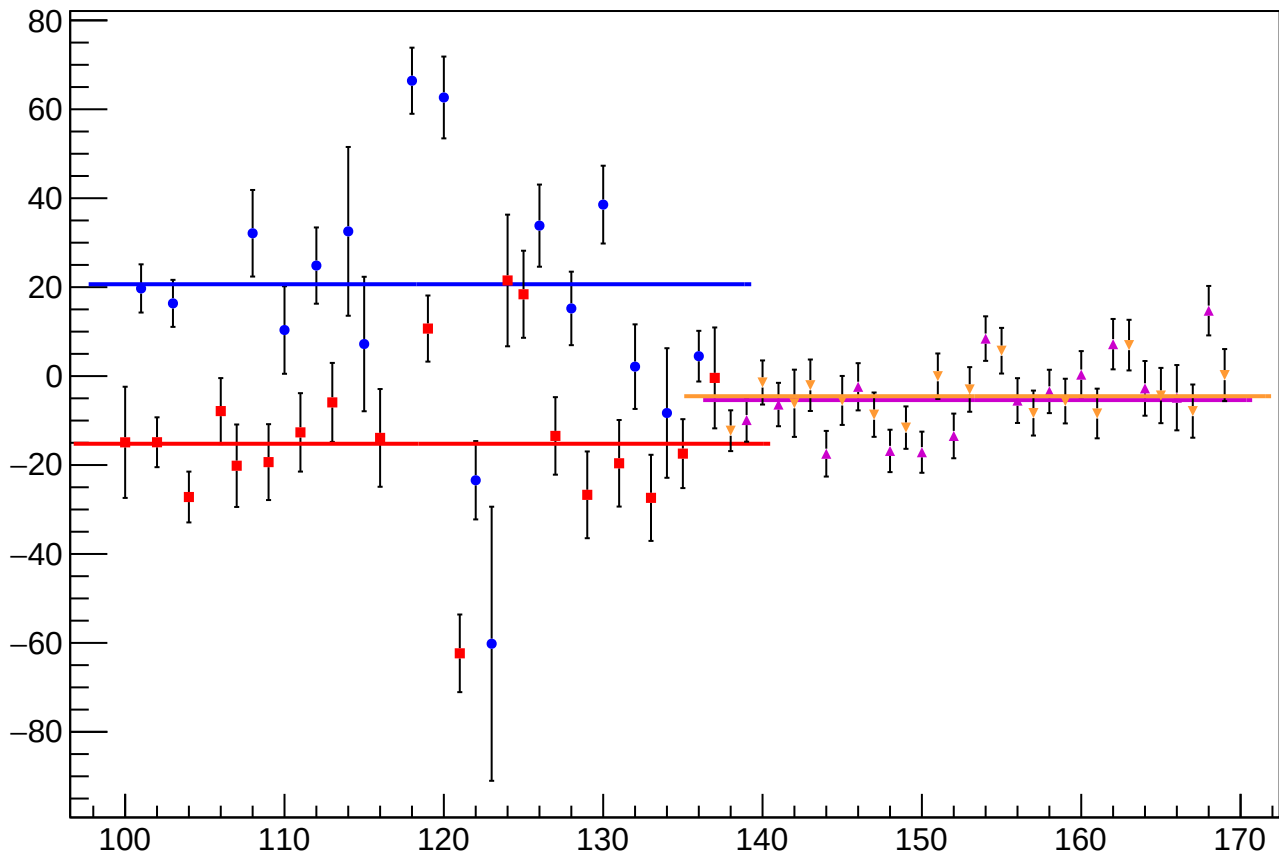
- sign -32.691 ± 19.301 χ^2/NDF : 35.4/33

diff_bpm0r05X_rms vs Slug



Right In: 78213.025 $\pm$ 21.519 χ^2 /NDF: 251056.7/16
 Left Out: 87360.826 $\pm$ 17.445 χ^2 /NDF:242684.4/16
 Right Out: 77891.938 $\pm$ 20.814 χ^2 /NDF: 246970.2/18
 Left In: 86923.724 $\pm$ 18.076 χ^2 /NDF:219477.4/14
 + sign 83732.981 $\pm$ 13.551 χ^2 /NDF: 602791.6/33
 All: 83389.154 $\pm$ 9.616 χ^2 /NDF: 1177873.9/6
 - sign 83040.408 $\pm$ 13.648 χ^2 /NDF: 573785.6/33

diff_bpm0r05Y_mean vs Slug



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

Left Out: -4.522 ± 1.298 χ^2/NDF : 17.4/16

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

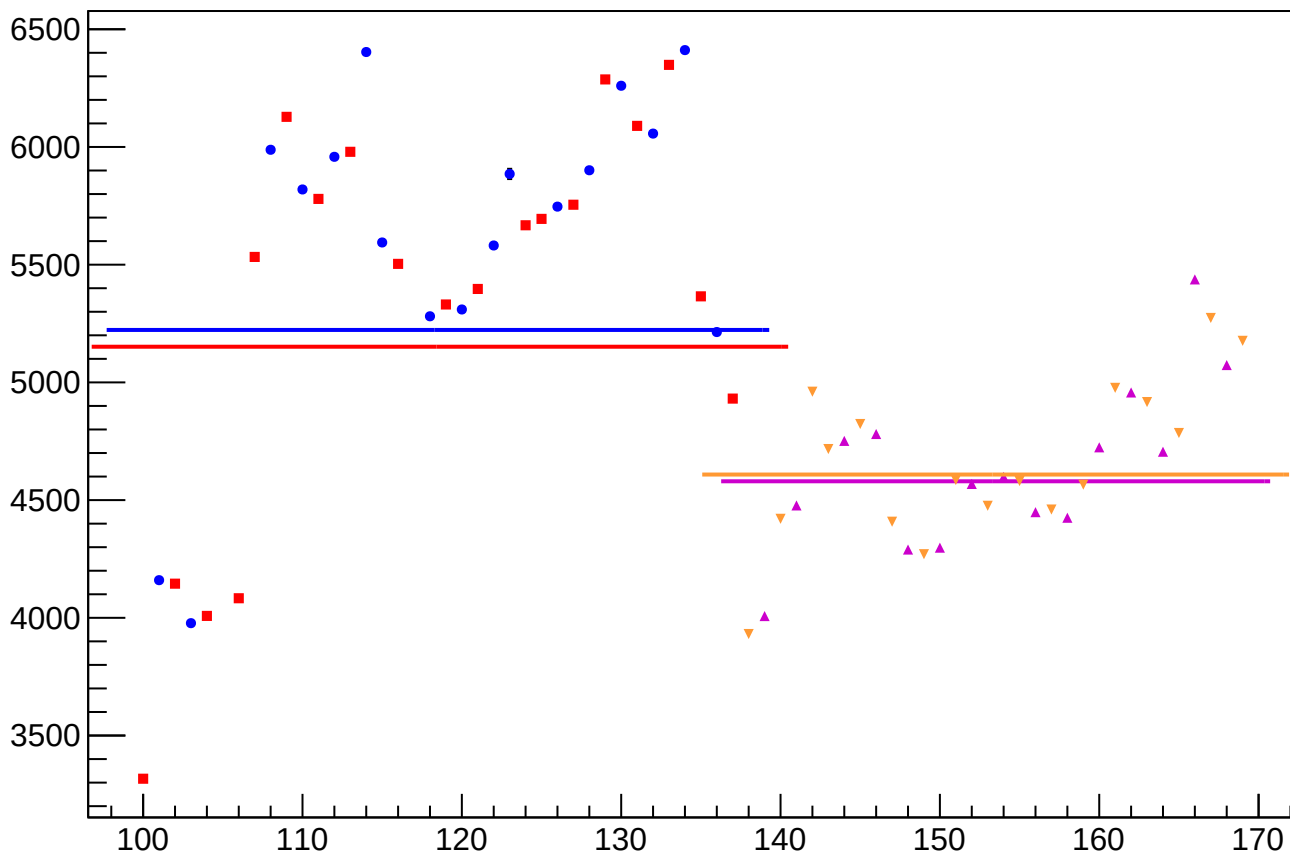
Left In: -5.392 ± 1.344 χ^2/NDF : 48.6/14

+ sign 2.758 ± 1.095 χ^2/NDF : 243.8/33

All: -2.828 ± 0.779 χ^2/NDF : 433.6/67

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

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4608.593 $\pm$ 0.918 χ^2 /NDF:130919.3/16

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

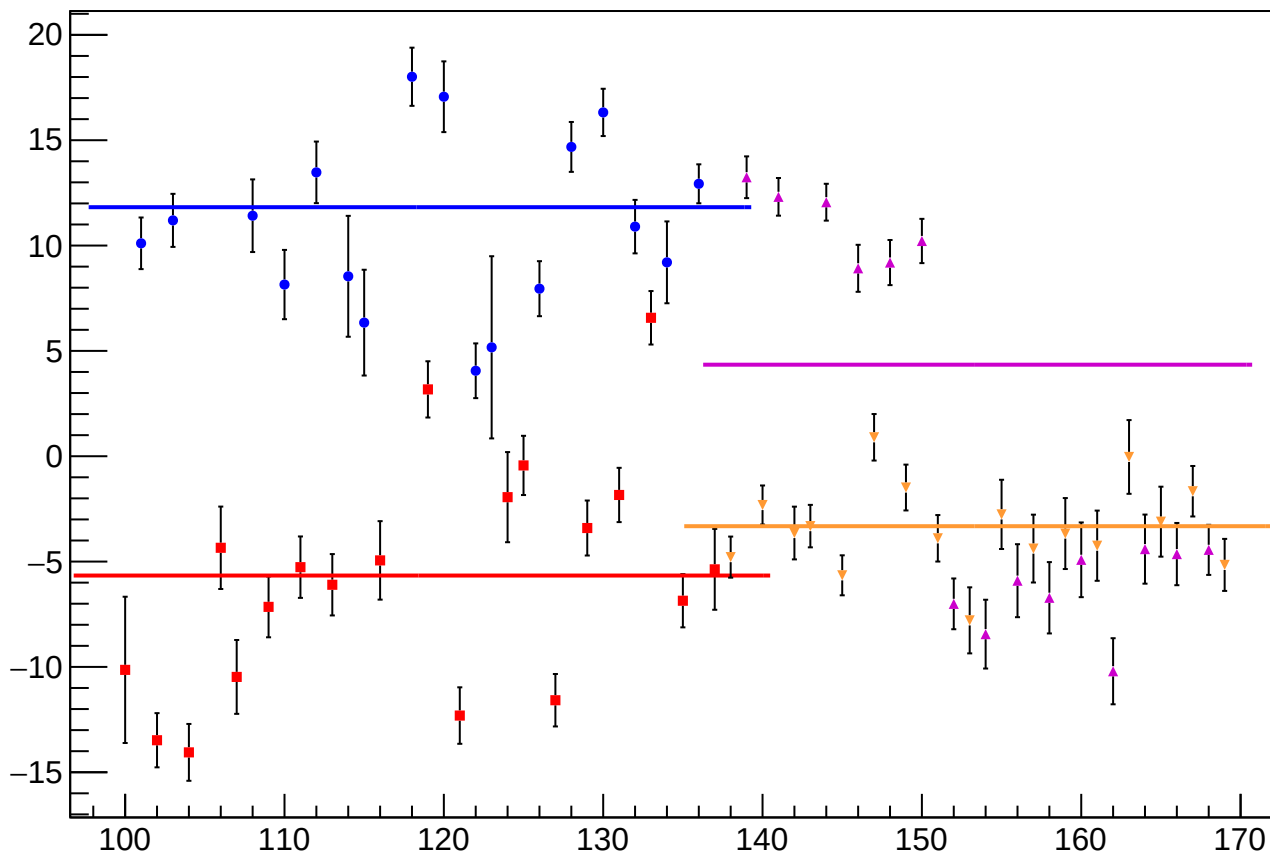
Left In: 4579.917 $\pm$ 0.950 χ^2 /NDF:106089.5/14

+ sign 4786.163 $\pm$ 0.774 χ^2 /NDF: 572808.6/33

All: 4774.920 $\pm$ 0.551 χ^2 /NDF: 1183138.5/67

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

diff_bpm2i01X_mean vs Slug



Right In: 11.821 ± 0.344 $\chi^2/\text{NDF}: 117.0/16$

Left Out: -3.321 ± 0.297 $\chi^2/\text{NDF}: 44.0/16$

Right Out: -5.663 ± 0.338 $\chi^2/\text{NDF}: 300.1/18$

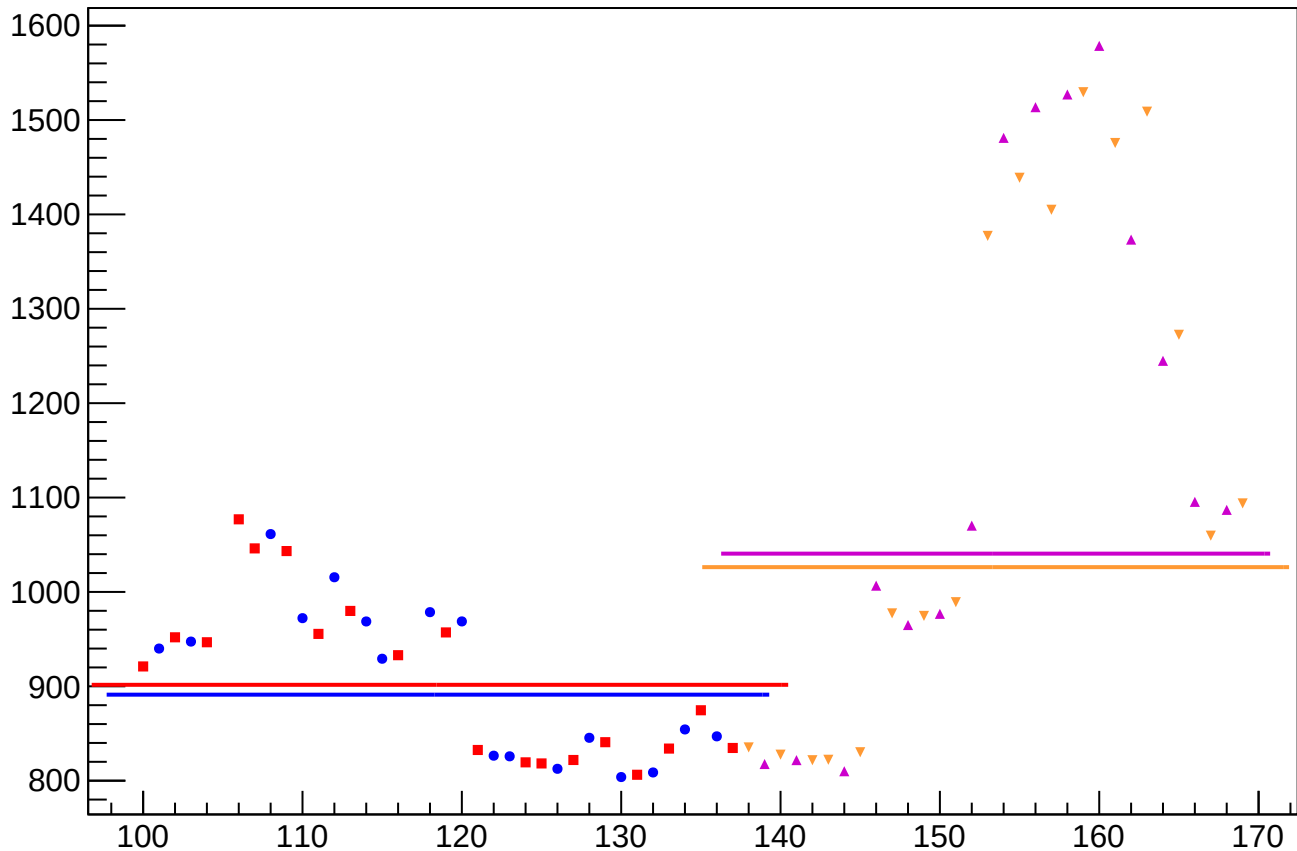
Left In: 4.345 ± 0.314 $\chi^2/\text{NDF}: 767.8/14$

+ sign 3.130 ± 0.225 $\chi^2/\text{NDF}: 1269.8/33$

All: 1.465 ± 0.161 $\chi^2/\text{NDF}: 2920.4/67$

- sign -0.278 ± 0.230 $\chi^2/\text{NDF}: 1538.3/33$

diff_bpm2i01X_rms vs Slug



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

Left Out: 1026.263 ± 0.210 $\chi^2/\text{NDF}: 1264716.1/16$

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

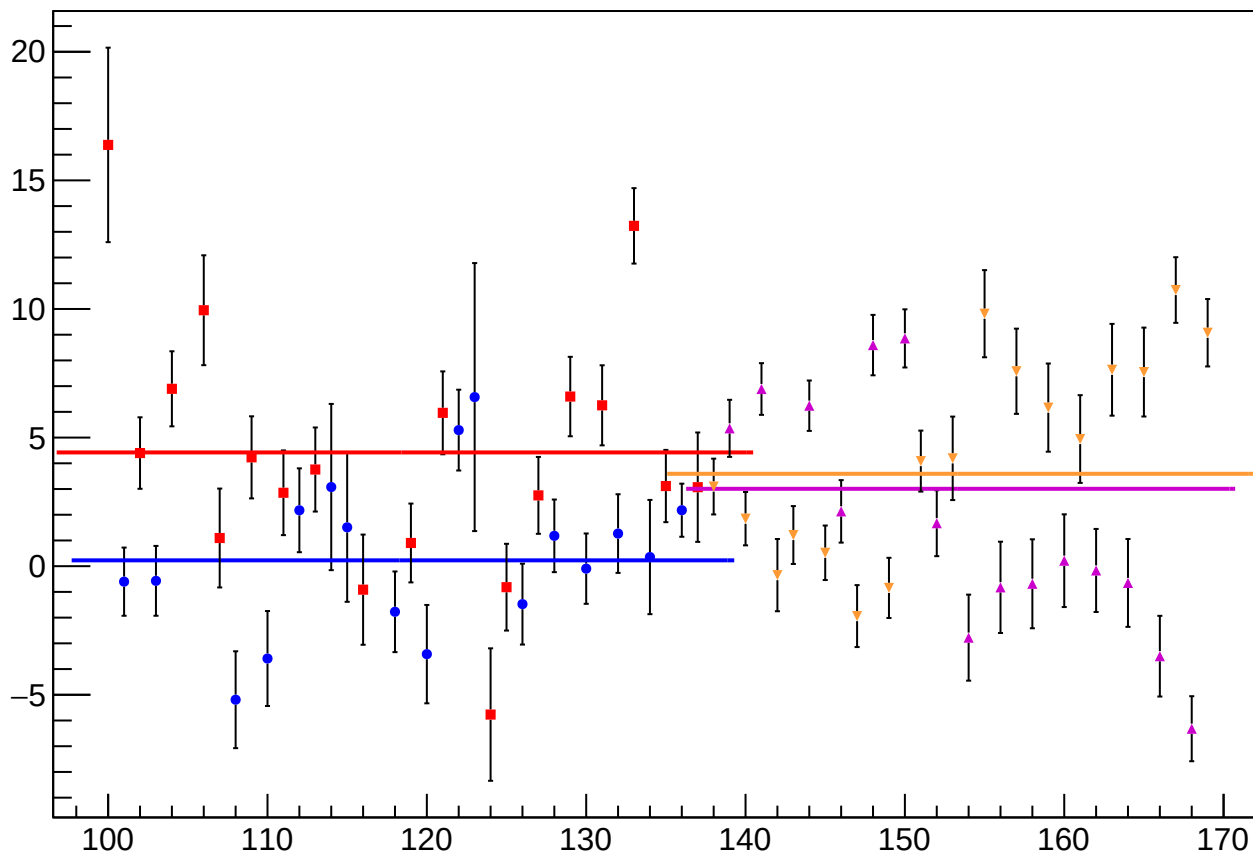
Left In: 1040.575 ± 0.222 $\chi^2/\text{NDF}: 1151215.9/14$

+ sign 968.699 ± 0.159 $\chi^2/\text{NDF}: 1542955.1/33$

All: 972.448 ± 0.114 $\chi^2/\text{NDF}: 2991356.9/67$

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

diff_bpm2i01Y_mean vs Slug



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

Left Out: 3.592 ± 0.321 χ^2/NDF : 141.0/16

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

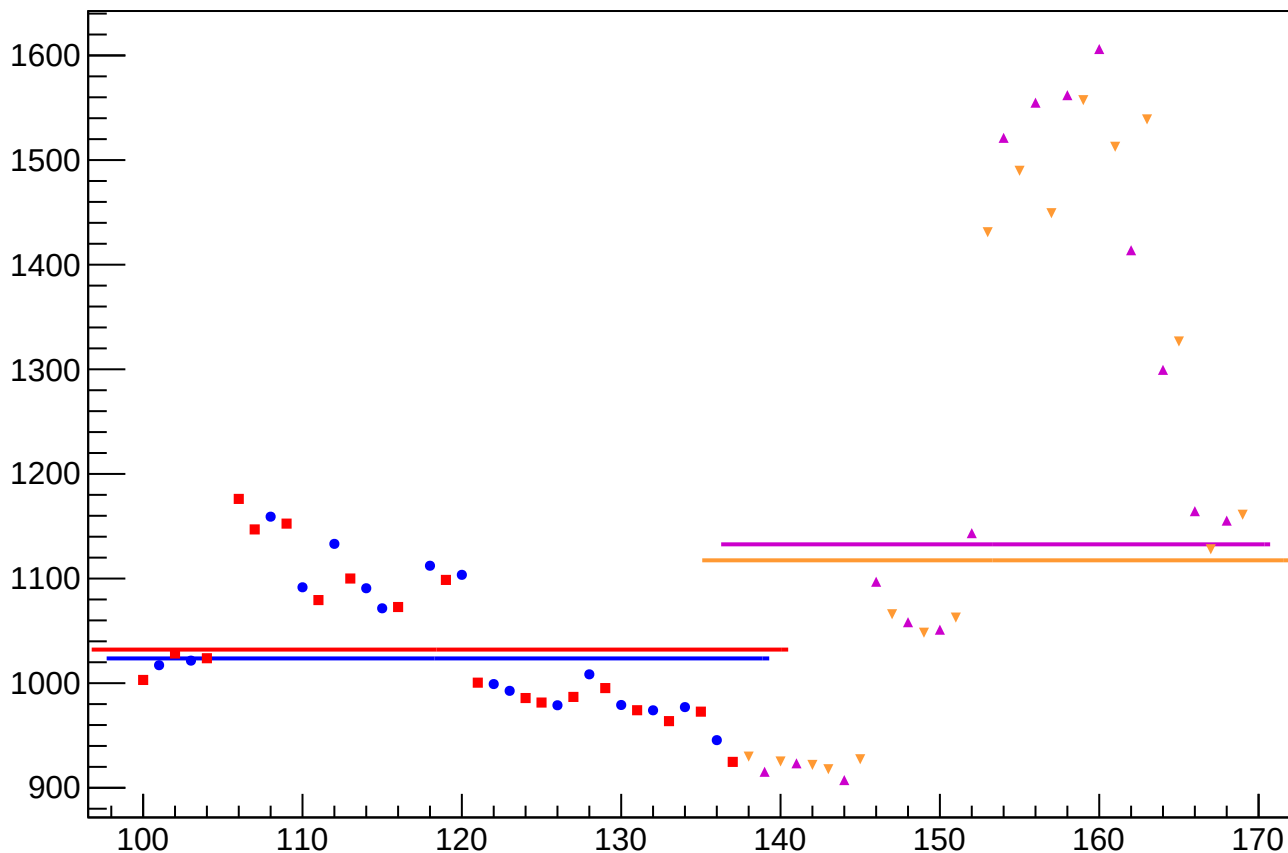
Left In: 3.009 ± 0.339 χ^2/NDF : 185.0/14

+ sign 2.255 ± 0.249 χ^2/NDF : 223.3/33

All: 2.923 ± 0.178 χ^2/NDF : 533.9/67

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

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1117.421+/-0.227 χ^2/NDF : 943531.8/16

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

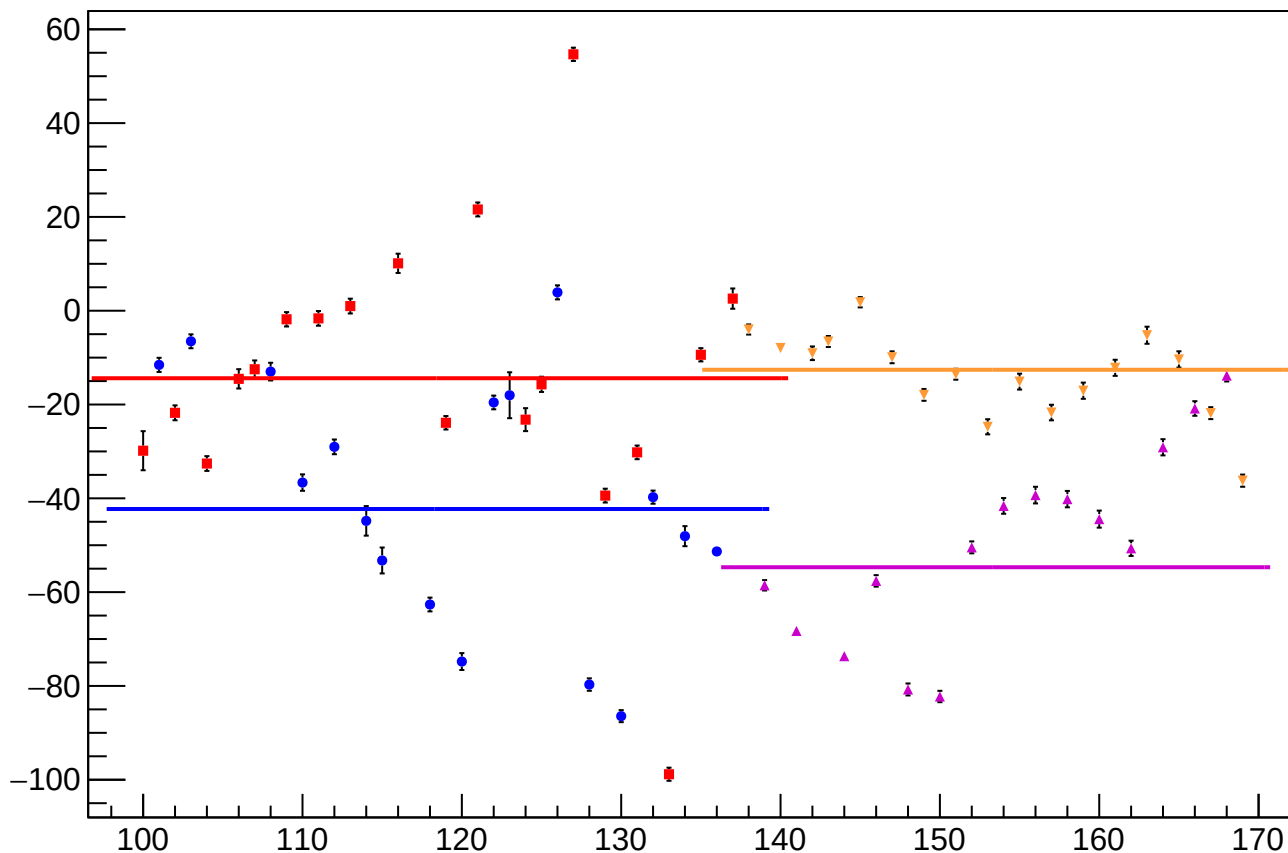
Left In: 1132.705+/-0.240 χ^2/NDF : 853235.1/14

+ sign 1080.164+/-0.176 χ^2/NDF : 1063831.2/33

All: 1084.494+/-0.126 χ^2/NDF : 2054276.2/67

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

diff_bpm2i02X_mean vs Slug



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

Left Out: -12.587 ± 0.327 χ^2/NDF : 807.1/16

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

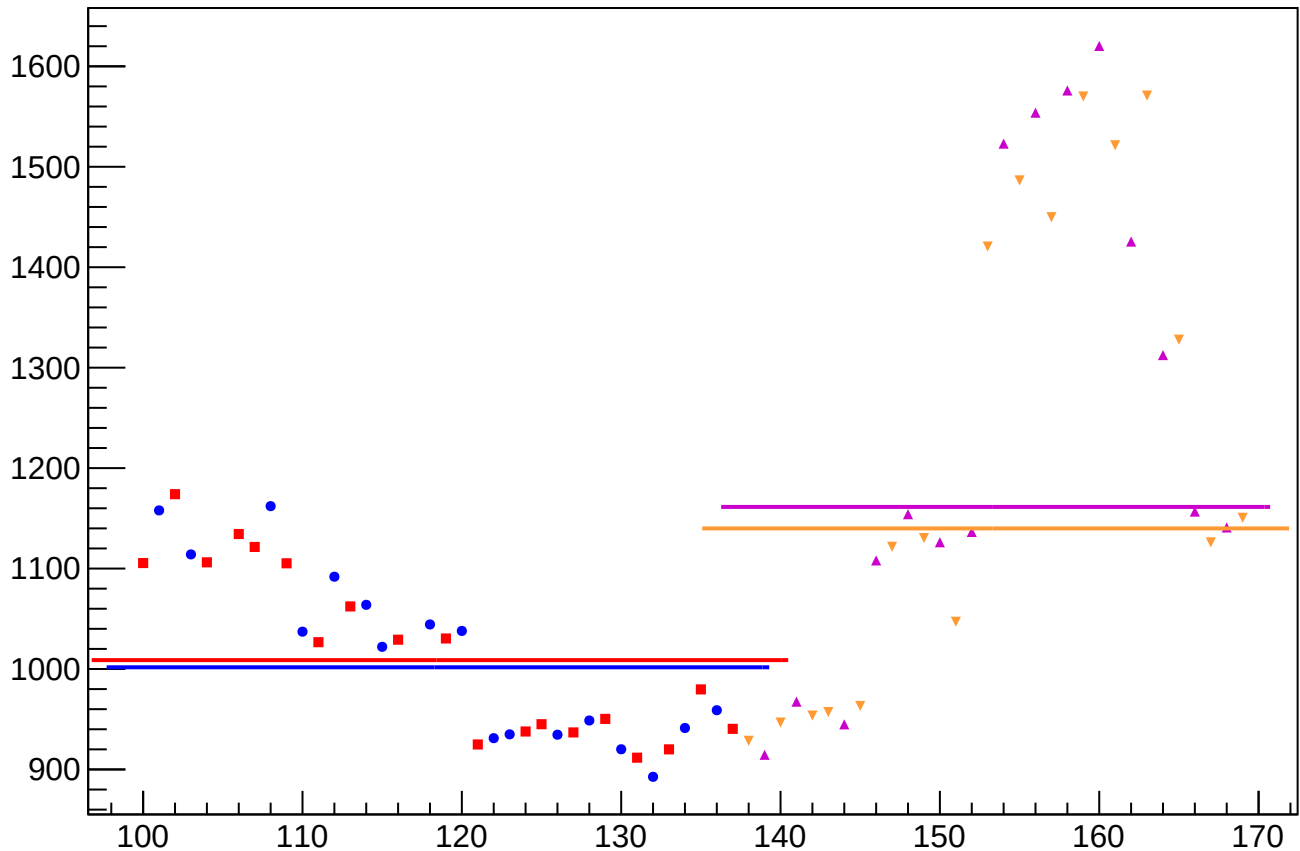
Left In: -54.692 ± 0.347 χ^2/NDF : 3477.4/14

+ sign -24.939 ± 0.250 χ^2/NDF : 9369.2/33

All: -30.486 ± 0.179 χ^2/NDF : 27691.4/67

- sign -36.302 ± 0.256 χ^2/NDF : 17311.1/33

diff_bpm2i02X_rms vs Slug



Right In: 1001.706+/-0.274 χ^2/NDF : 95480.0/16

Left Out: 1139.953+/-0.231 χ^2/NDF : 861341.7/16

Right Out: 1008.848+/-0.268 χ^2/NDF : 95349.9/18

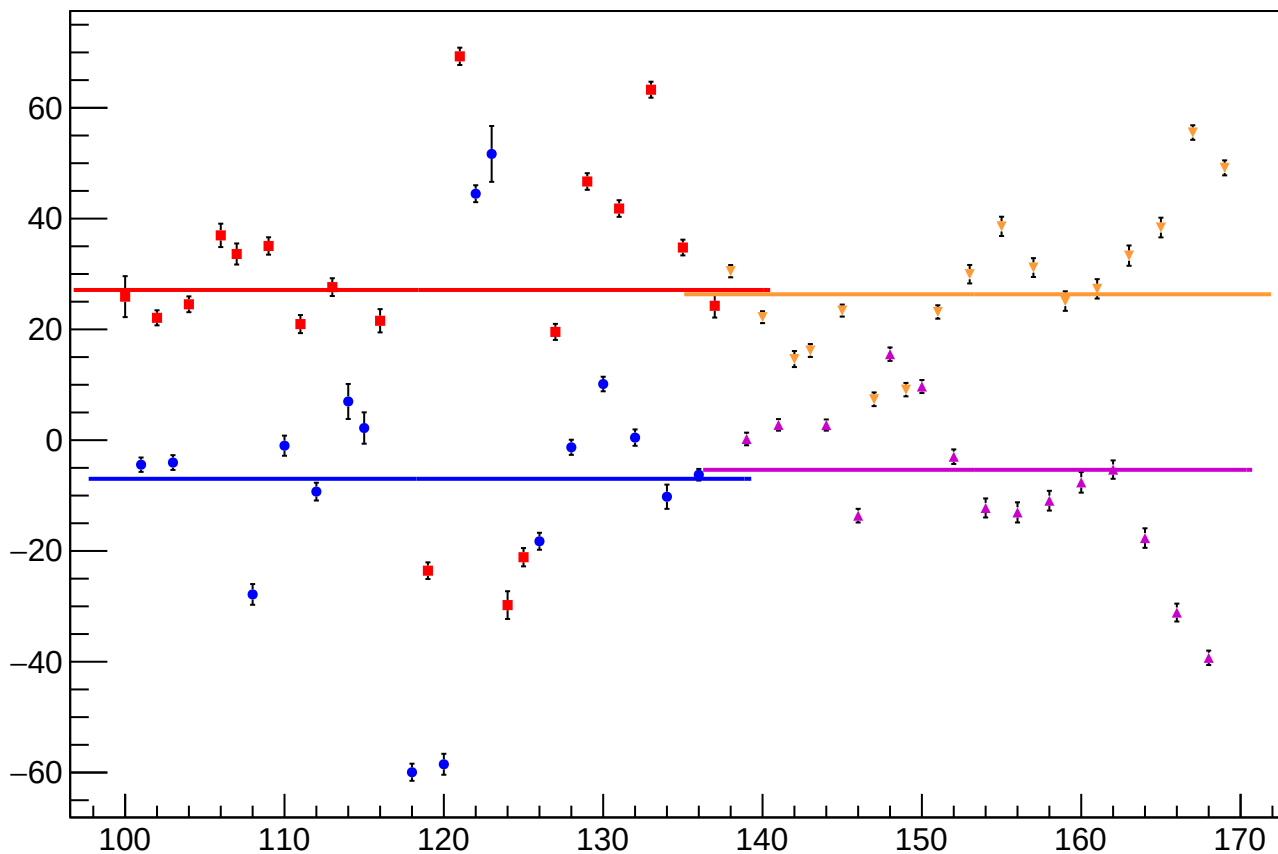
Left In: 1161.357+/-0.245 χ^2/NDF : 762733.3/14

+ sign 1082.443+/-0.177 χ^2/NDF : 1105776.2/33

All: 1086.992+/-0.126 χ^2/NDF : 2141784.5/67

- sign 1091.761+/-0.181 χ^2/NDF : 1034648.6/33

diff_bpm2i02Y_mean vs Slug



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

Left Out: 26.338 ± 0.330 χ^2/NDF : 1520.0/16

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

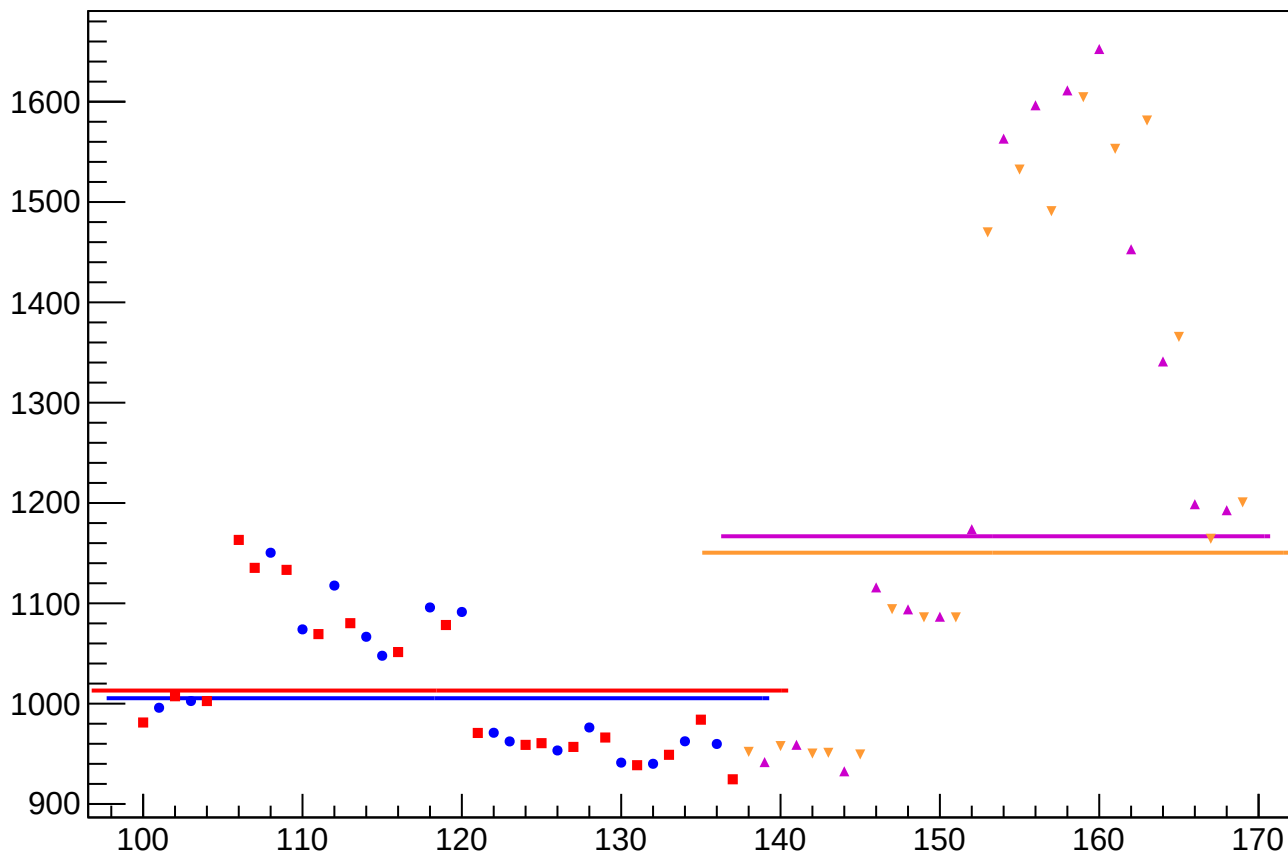
Left In: -5.351 ± 0.349 χ^2/NDF : 1683.1/14

+ sign 12.347 ± 0.251 χ^2/NDF : 9433.1/33

All: 10.961 ± 0.180 χ^2/NDF : 19427.9/67

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

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1150.466+/-0.233 χ^2/NDF : 939361.7/16

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

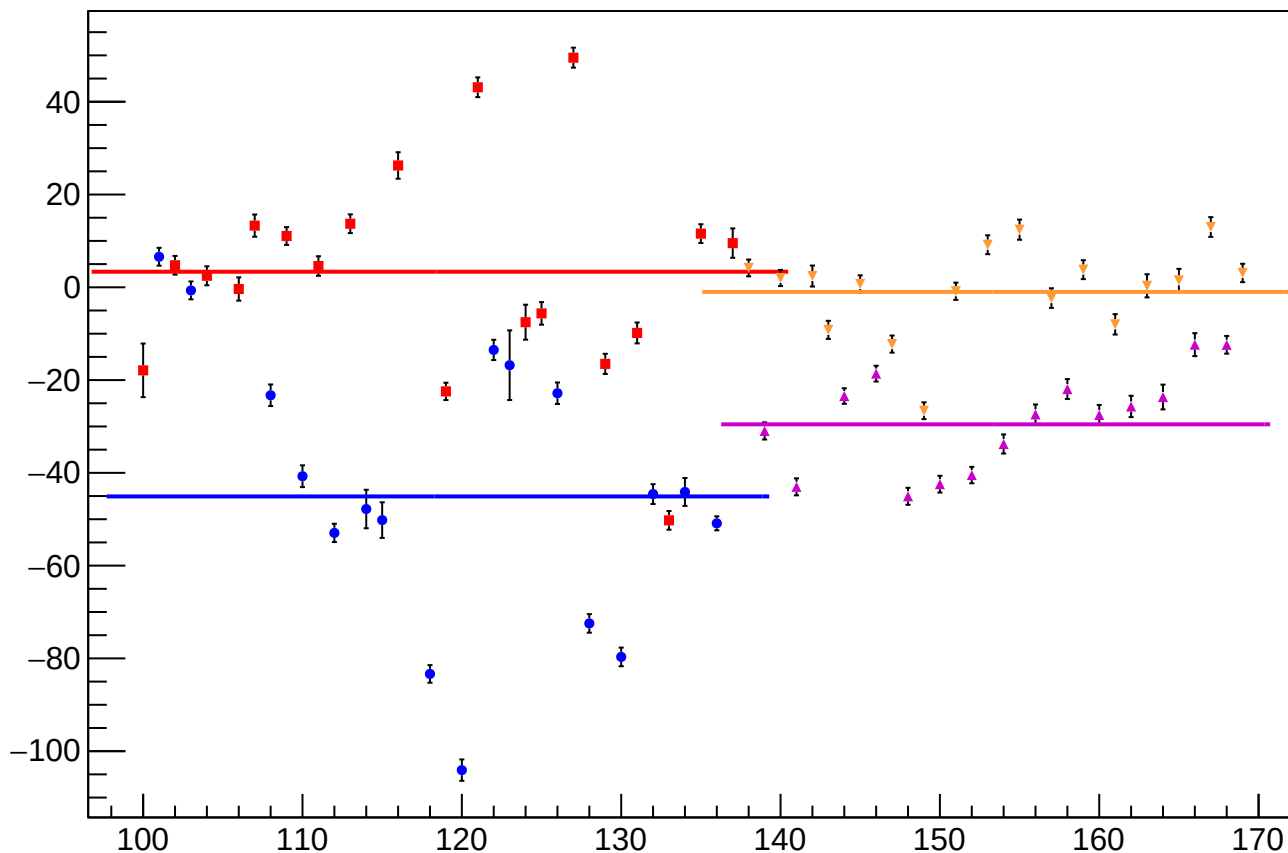
Left In: 1166.838+/-0.247 χ^2/NDF : 845197.3/14

+ sign 1089.540+/-0.178 χ^2/NDF : 1156115.1/33

All: 1092.912+/-0.127 χ^2/NDF : 2243252.1/67

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

diff_bpm0i02X_mean vs Slug



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

Left Out: -0.993+/-0.489 χ^2/NDF : 396.1/16

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

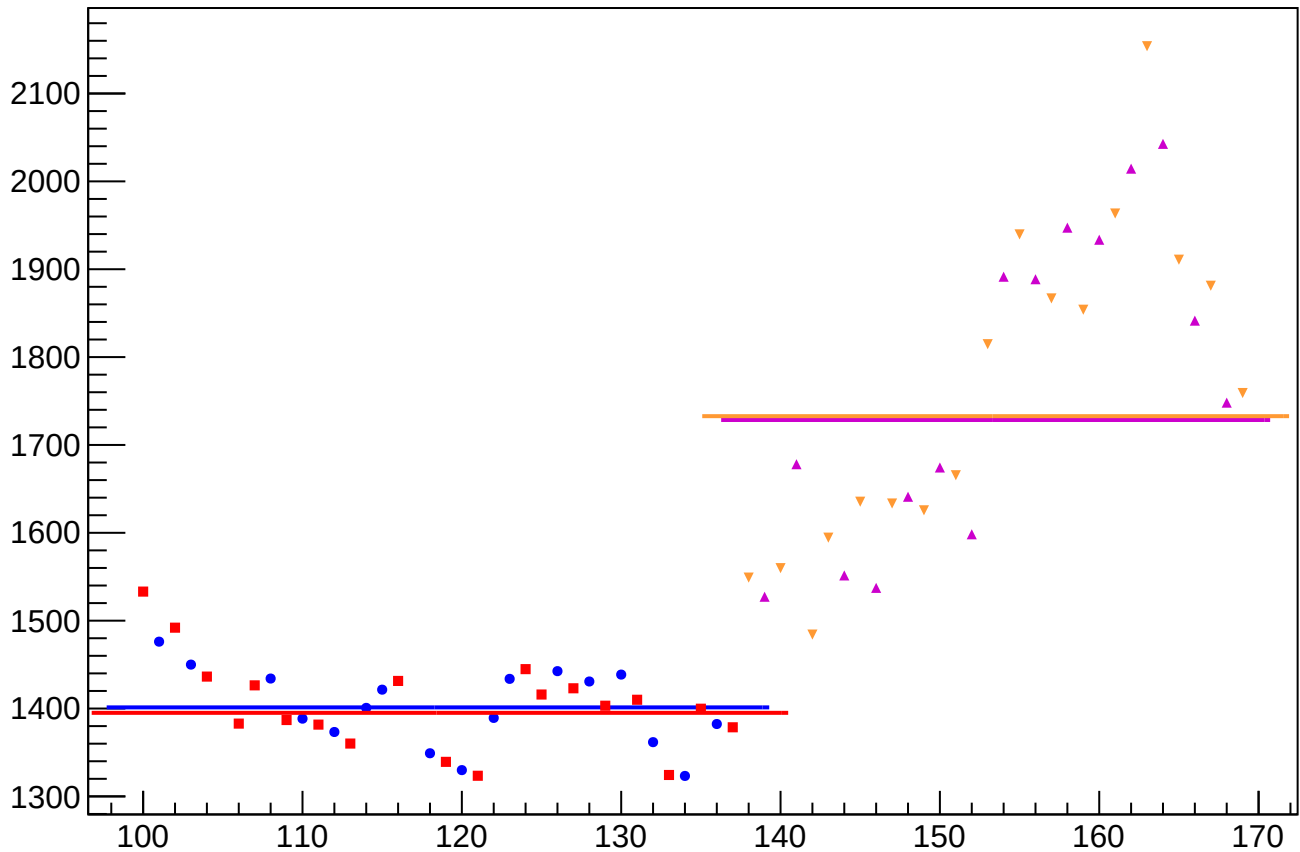
Left In: -29.542+/-0.508 χ^2/NDF : 425.2/14

+ sign -20.859+/-0.362 χ^2/NDF : 7300.5/33

All: -17.208+/-0.257 χ^2/NDF : 11974.6/67

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

diff_bpm0i02X_rms vs Slug



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

Left Out: 1732.761+/-0.346 χ^2/NDF : 231193.1/16

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

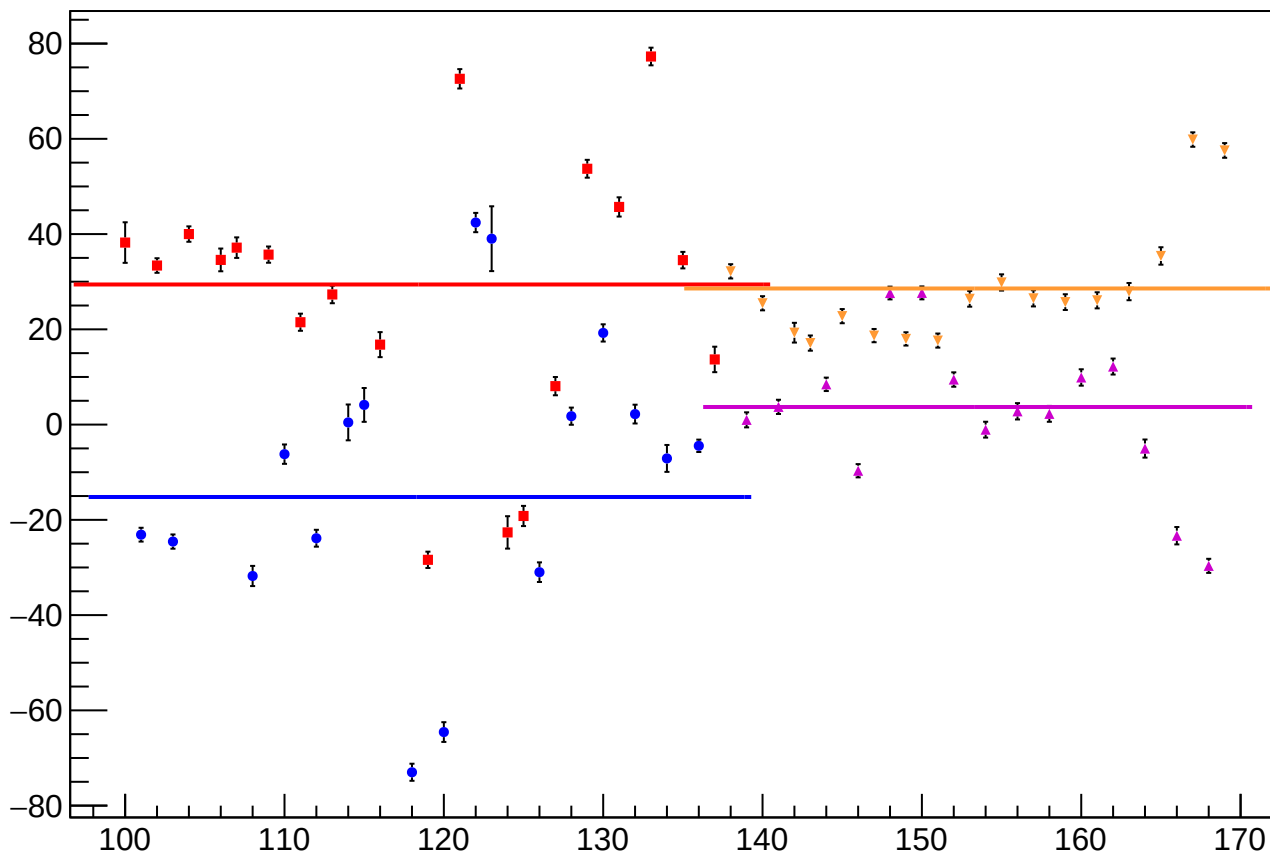
Left In: 1728.411+/-0.360 χ^2/NDF : 215322.0/14

+ sign 1583.411+/-0.256 χ^2/NDF : 658498.0/33

All: 1574.786+/-0.182 χ^2/NDF : 1310172.2/67

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

diff_bpm0i02Y_mean vs Slug



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

Left Out: 28.578 ± 0.387 χ^2/NDF : 1060.1/16

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

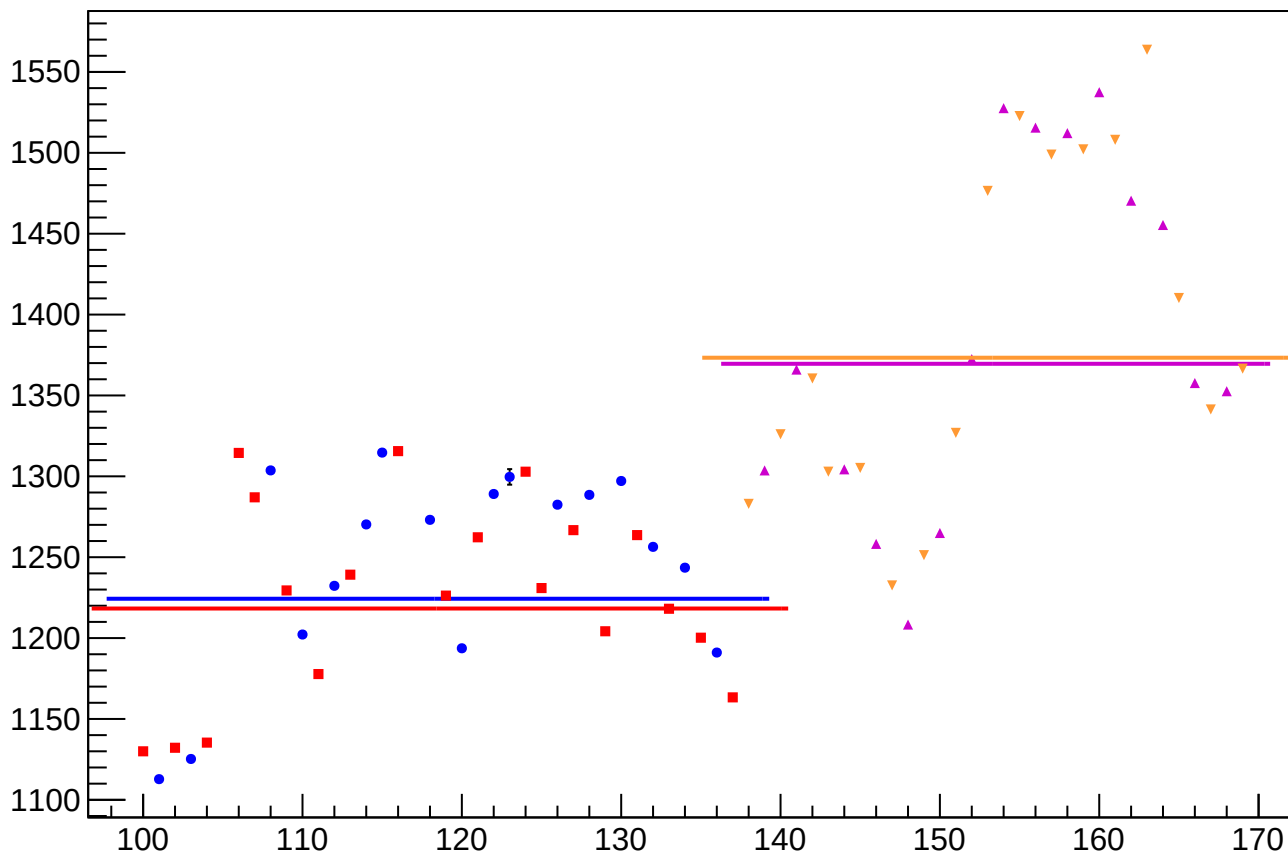
Left In: 3.696 ± 0.402 χ^2/NDF : 1546.1/14

+ sign 11.004 ± 0.299 χ^2/NDF : 9569.7/33

All: 12.954 ± 0.212 χ^2/NDF : 16536.2/67

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

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1373.328+/-0.273 χ^2/NDF : 137962.8/16

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

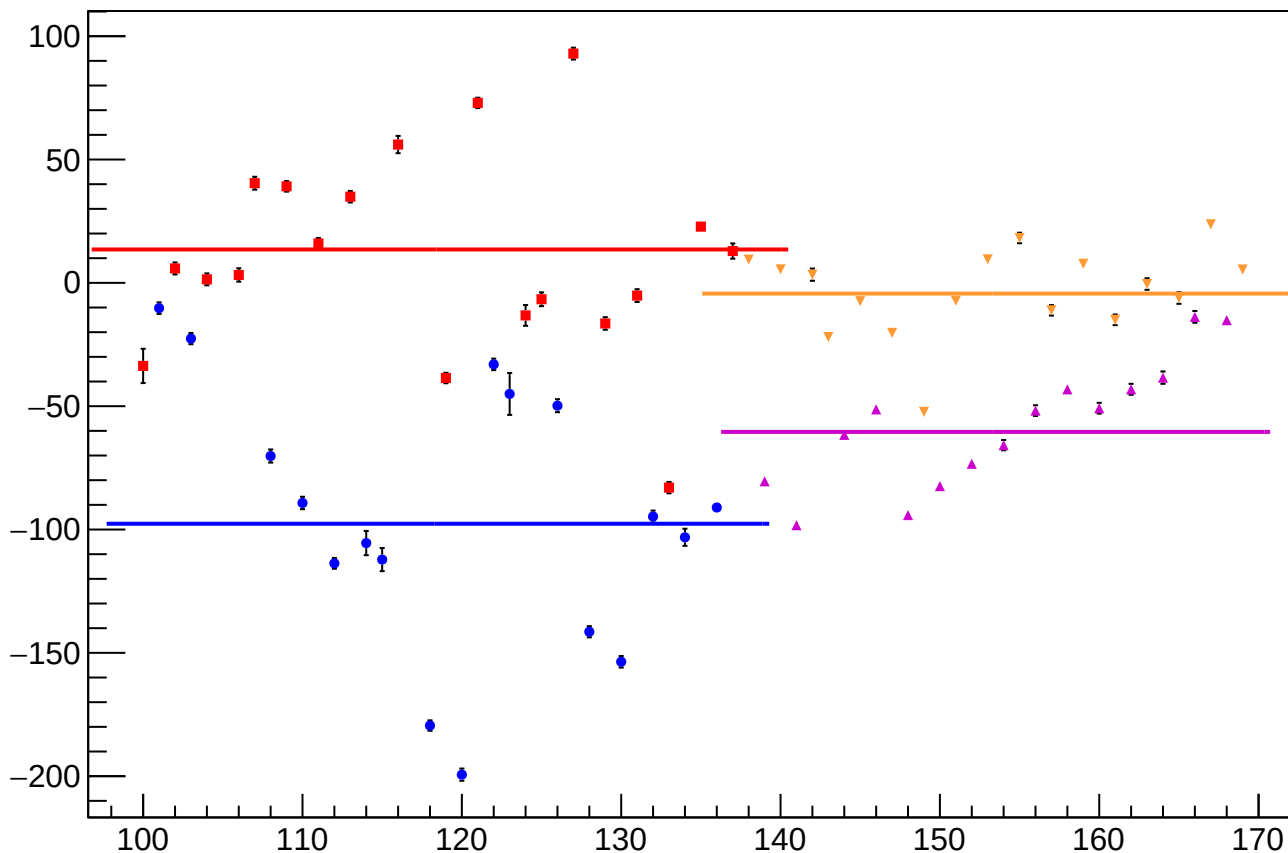
Left In: 1369.571+/-0.284 χ^2/NDF : 139165.7/14

+ sign 1313.514+/-0.212 χ^2/NDF : 295997.0/33

All: 1308.522+/-0.150 χ^2/NDF : 587698.2/67

- sign 1303.448+/-0.213 χ^2/NDF : 290578.2/33

diff_bpm0i02aX_mean vs Slug



Right In: -97.657 ± 0.601 χ^2/NDF : 7936.6/16

Left Out: -4.353 ± 0.487 χ^2/NDF : 1396.4/16

Right Out: 13.538 ± 0.579 χ^2/NDF : 5128.2/18

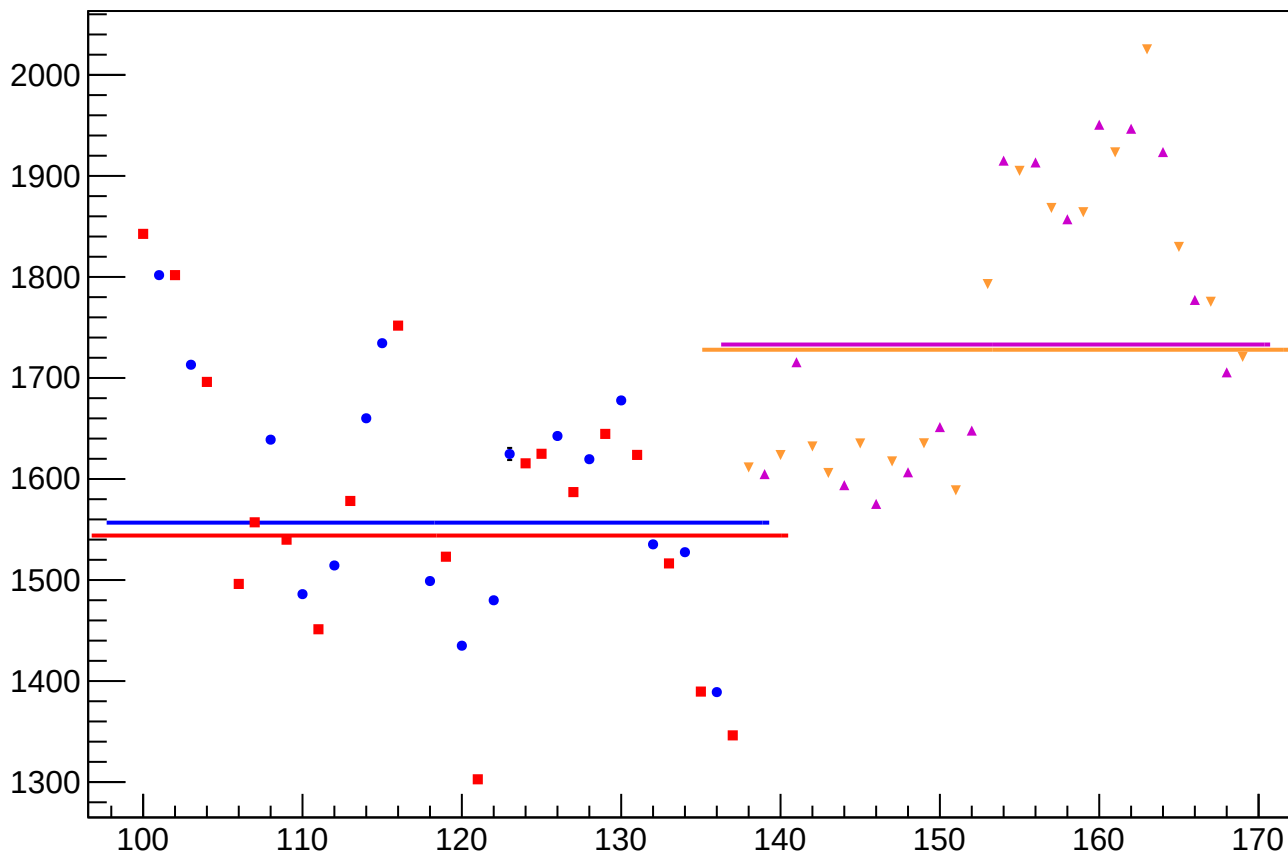
Left In: -60.425 ± 0.509 χ^2/NDF : 2322.3/14

+ sign -41.278 ± 0.378 χ^2/NDF : 23881.3/33

All: -34.818 ± 0.269 χ^2/NDF : 41122.5/67

- sign -28.220 ± 0.382 χ^2/NDF : 16651.7/33

diff_bpm0i02aX_rms vs Slug



Right In: 1556.799 $\pm$ 0.425 χ^2 /NDF: 81549.2/16

Left Out: 1727.941 $\pm$ 0.344 χ^2 /NDF: 141462.8/16

Right Out: 1544.034 $\pm$ 0.410 χ^2 /NDF: 100501.7/18

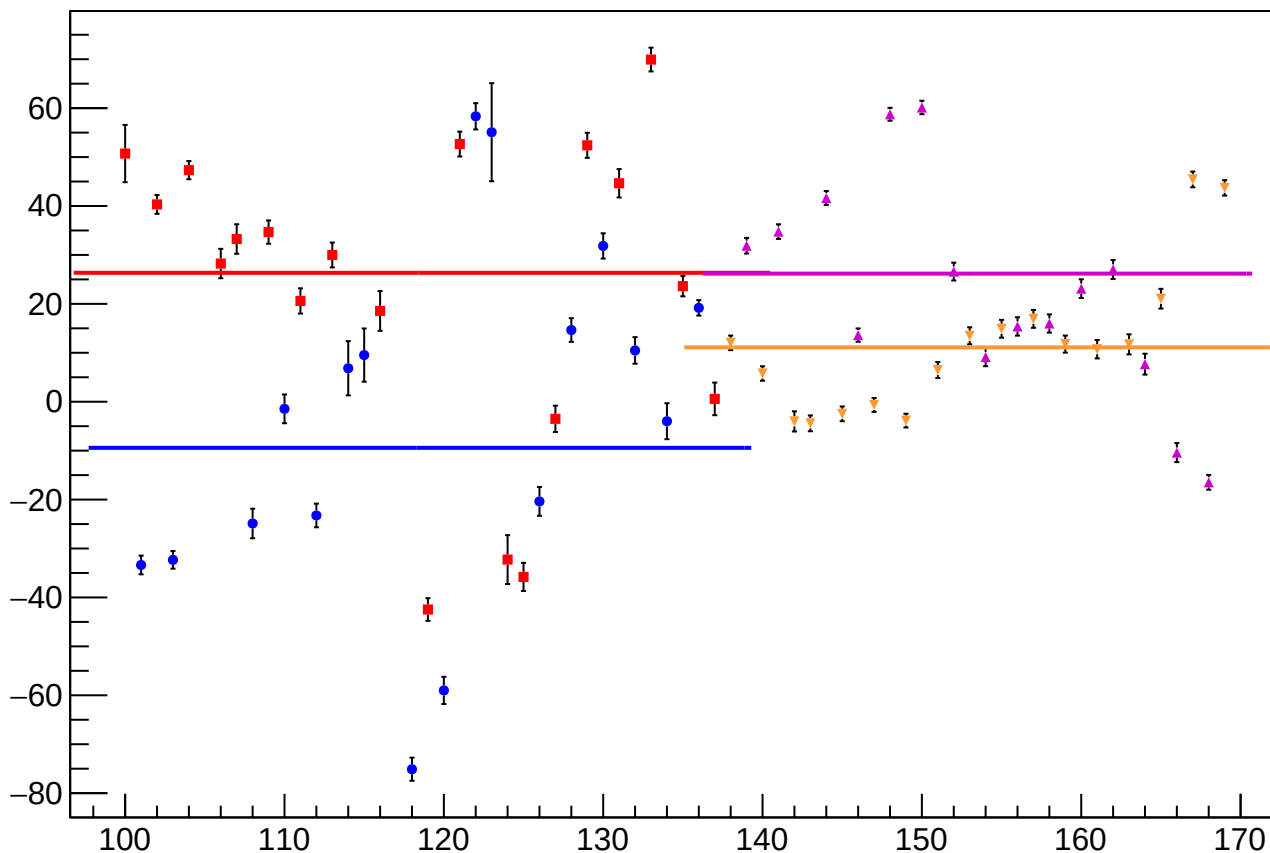
Left In: 1733.109 $\pm$ 0.360 χ^2 /NDF: 144304.2/14

+ sign 1660.212 $\pm$ 0.267 χ^2 /NDF: 320905.0/33

All: 1655.547 $\pm$ 0.190 χ^2 /NDF: 686582.3/67

- sign 1650.782 $\pm$ 0.270 χ^2 /NDF: 365062.4/33

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 11.115 ± 0.403 χ^2/NDF : 1355.3/16

Right Out: 26.354 ± 0.603 χ^2/NDF : 2472.1/18

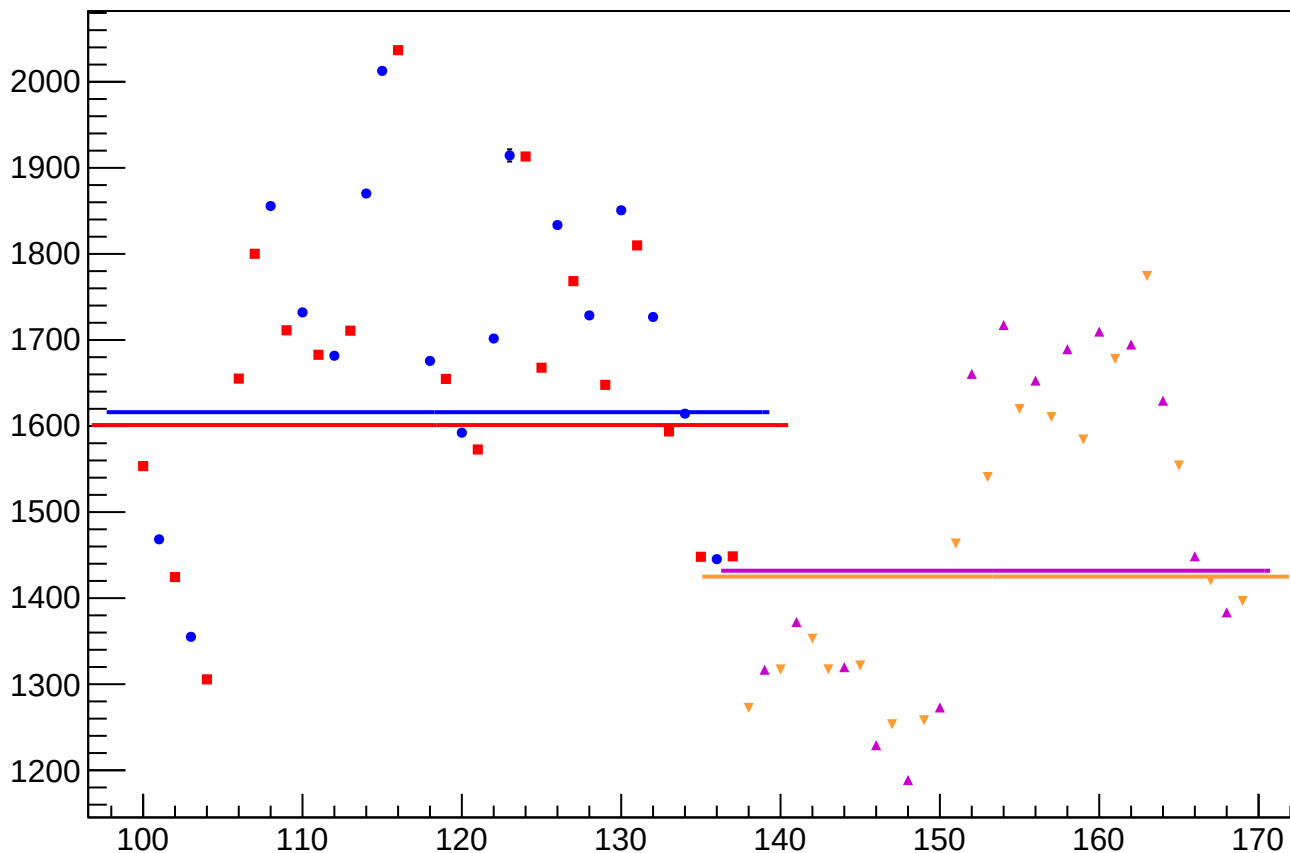
Left In: 26.181 ± 0.423 χ^2/NDF : 2839.6/14

+ sign 5.107 ± 0.339 χ^2/NDF : 5040.1/33

All: 15.443 ± 0.242 χ^2/NDF : 12254.8/67

- sign 26.238 ± 0.346 χ^2/NDF : 5311.7/33

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1425.033+/-0.285 χ^2/NDF : 283217.9/16

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

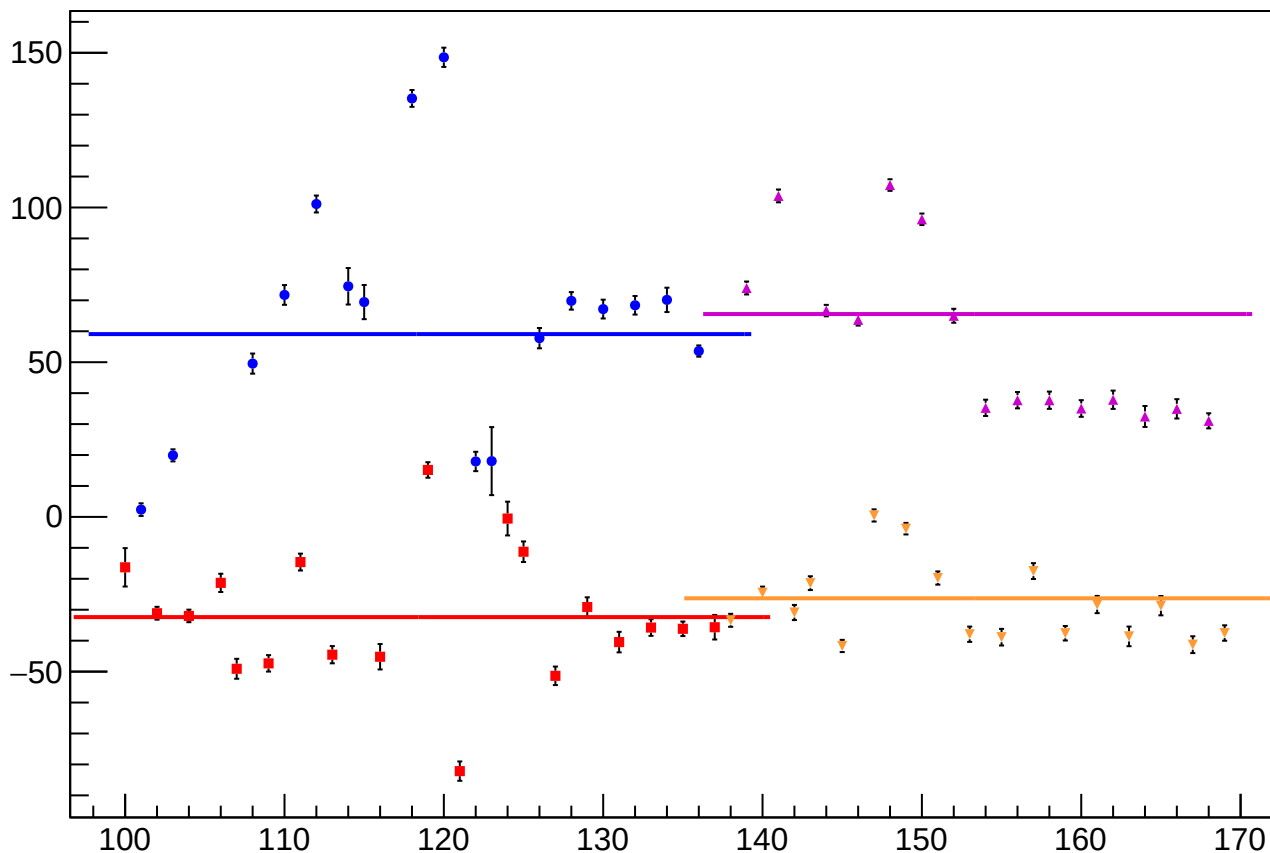
Left In: 1431.879+/-0.299 χ^2/NDF : 406953.1/14

+ sign 1480.915+/-0.240 χ^2/NDF : 564437.1/33

All: 1484.244+/-0.171 χ^2/NDF : 1231094.2/67

- sign 1487.721+/-0.245 χ^2/NDF : 666262.2/33

diff_bpm0i05X_mean vs Slug



Right In: 59.081 $\pm$ 0.699 χ^2 /NDF: 3293.6/16

Left Out: -26.310 $\pm$ 0.565 χ^2 /NDF: 566.2/16

Right Out: -32.382 $\pm$ 0.666 χ^2 /NDF: 891.5/18

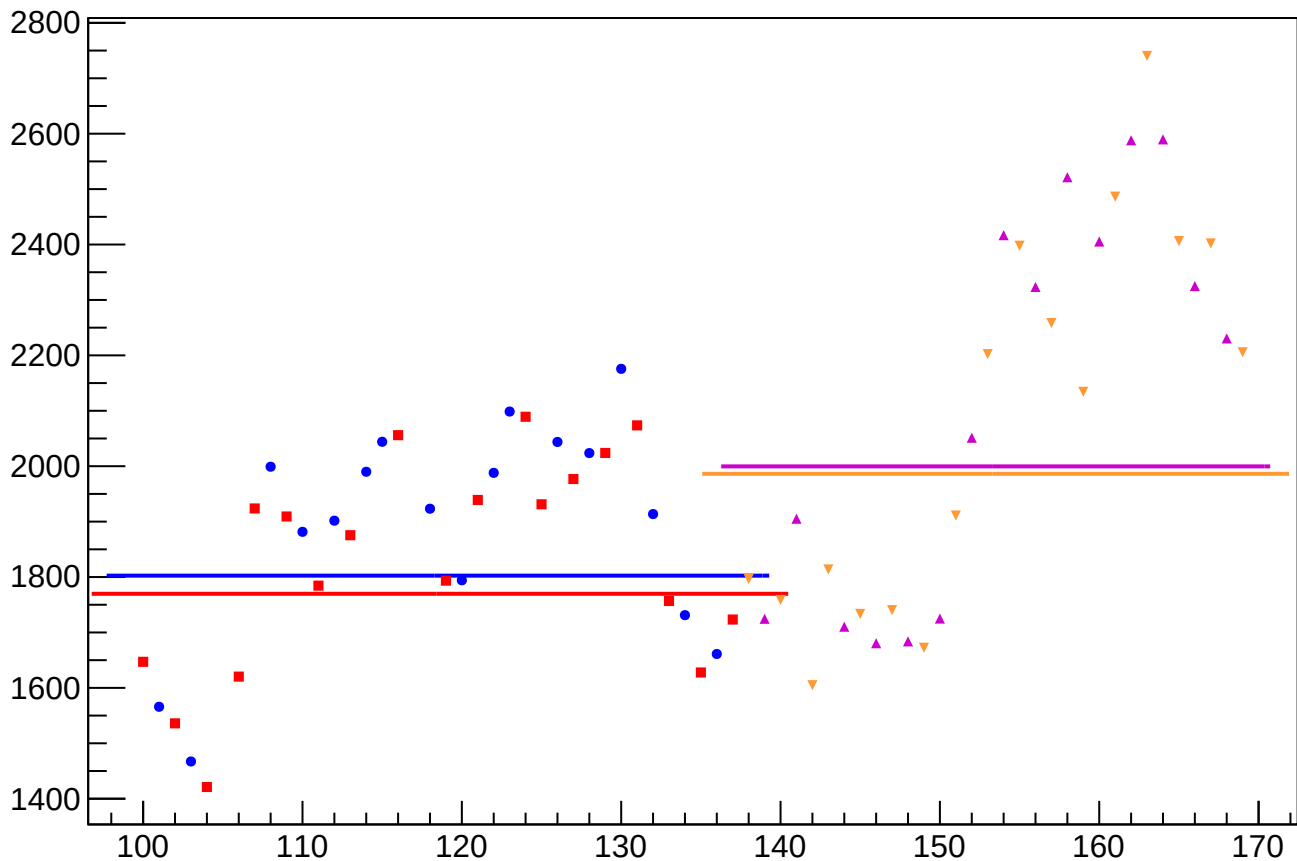
Left In: 65.559 $\pm$ 0.594 χ^2 /NDF: 2070.6/14

+ sign 7.405 $\pm$ 0.440 χ^2 /NDF: 12879.2/33

All: 14.745 $\pm$ 0.312 χ^2 /NDF: 28441.7/67

- sign 22.214 $\pm$ 0.443 χ^2 /NDF: 14999.8/33

diff_bpm0i05X_rms vs Slug



Right In: 1802.524 ± 0.495 χ^2/NDF : 184069.0/16

Left Out: 1986.260 ± 0.399 χ^2/NDF : 594629.7/16

Right Out: 1769.772 ± 0.471 χ^2/NDF : 177893.4/18

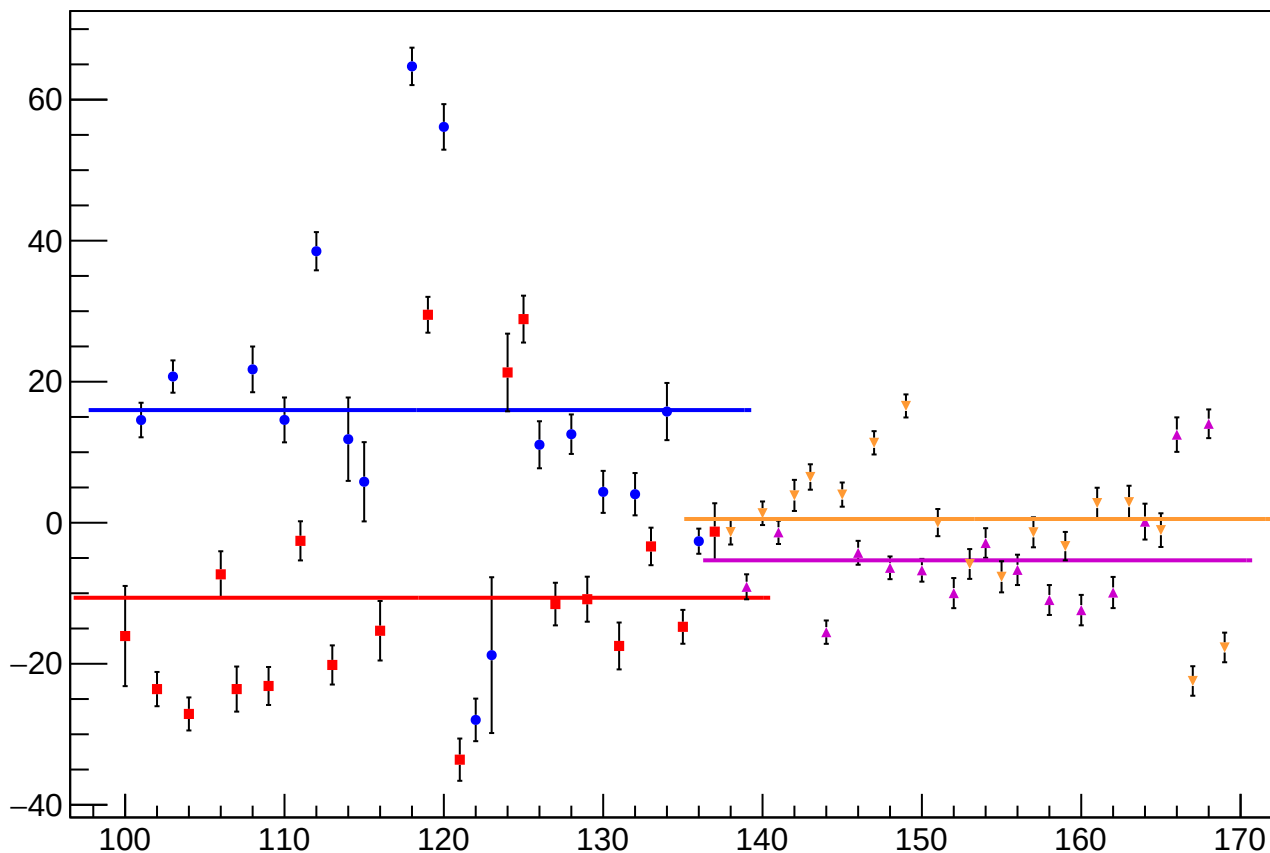
Left In: 1999.666 ± 0.420 χ^2/NDF : 622845.4/14

+ sign 1913.715 ± 0.311 χ^2/NDF : 862214.7/33

All: 1905.889 ± 0.221 χ^2/NDF : 1796880.8/67

- sign 1897.923 ± 0.314 χ^2/NDF : 933386.5/33

diff_bpm0i05Y_mean vs Slug



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

Left Out: 0.531 ± 0.473 χ^2/NDF : 383.1/16

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

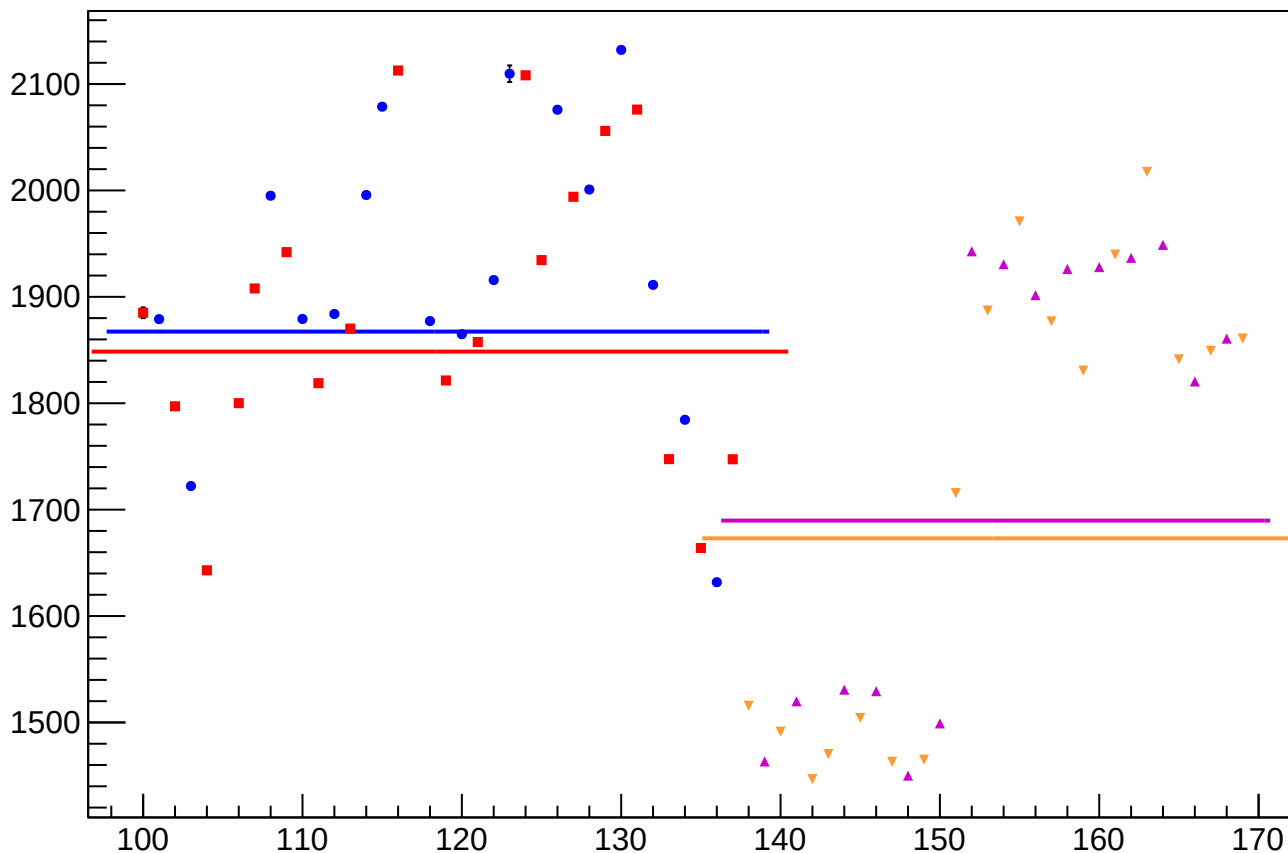
Left In: -5.330 ± 0.498 χ^2/NDF : 226.4/14

+ sign 5.178 ± 0.396 χ^2/NDF : 1641.7/33

All: -0.845 ± 0.283 χ^2/NDF : 3022.3/67

- sign -7.137 ± 0.405 χ^2/NDF : 907.1/33

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1673.064 $\pm$ 0.335 χ^2 /NDF: 372156.9/16

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

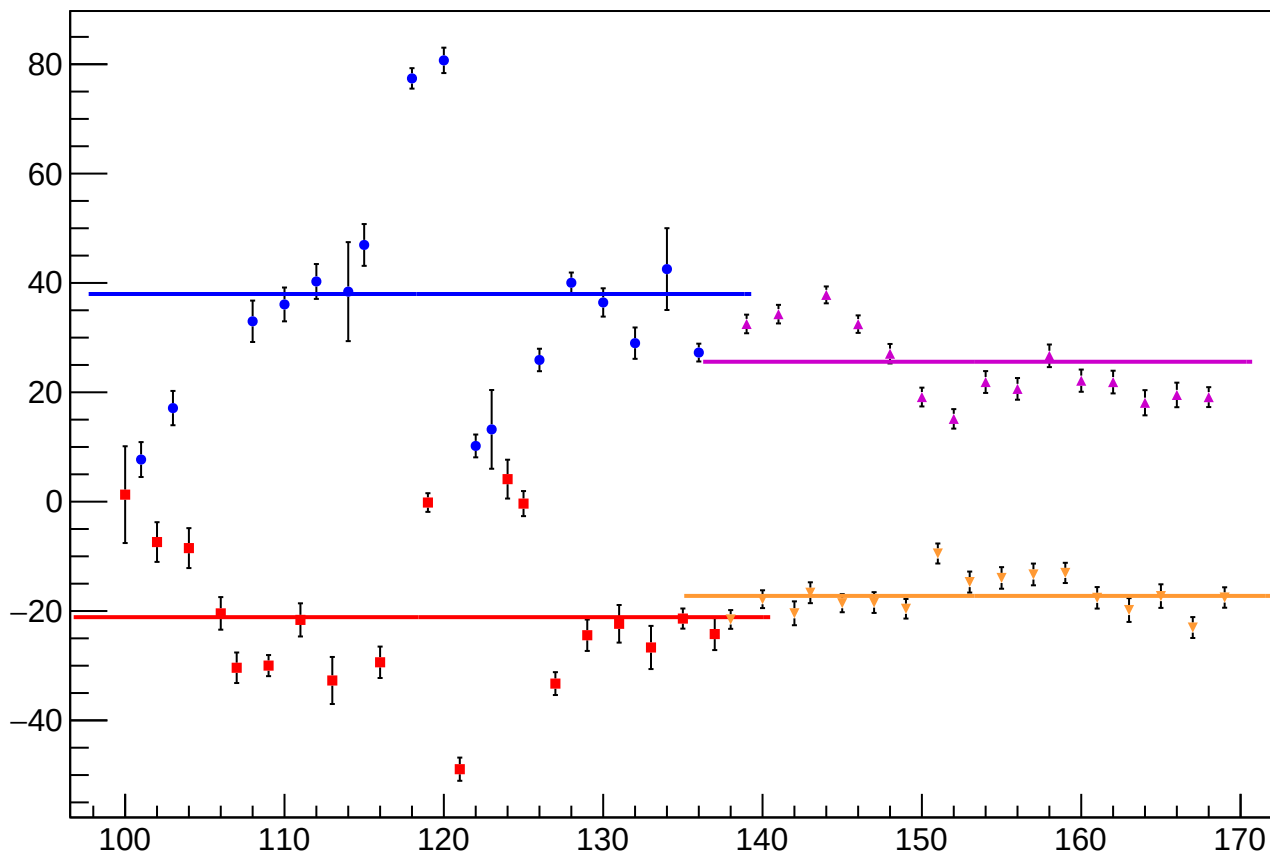
Left In: 1689.731 $\pm$ 0.352 χ^2 /NDF: 350626.3/14

+ sign 1731.514 $\pm$ 0.280 χ^2 /NDF: 554433.6/33

All: 1737.517 $\pm$ 0.200 χ^2 /NDF: 1047729.1/67

- sign 1743.787 $\pm$ 0.286 χ^2 /NDF: 492355.0/33

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 $\chi^2/\text{NDF}: 1204.3/16$

Left Out: -17.236 ± 0.458 $\chi^2/\text{NDF}: 53.6/16$

Right Out: -21.124 ± 0.608 $\chi^2/\text{NDF}: 573.6/18$

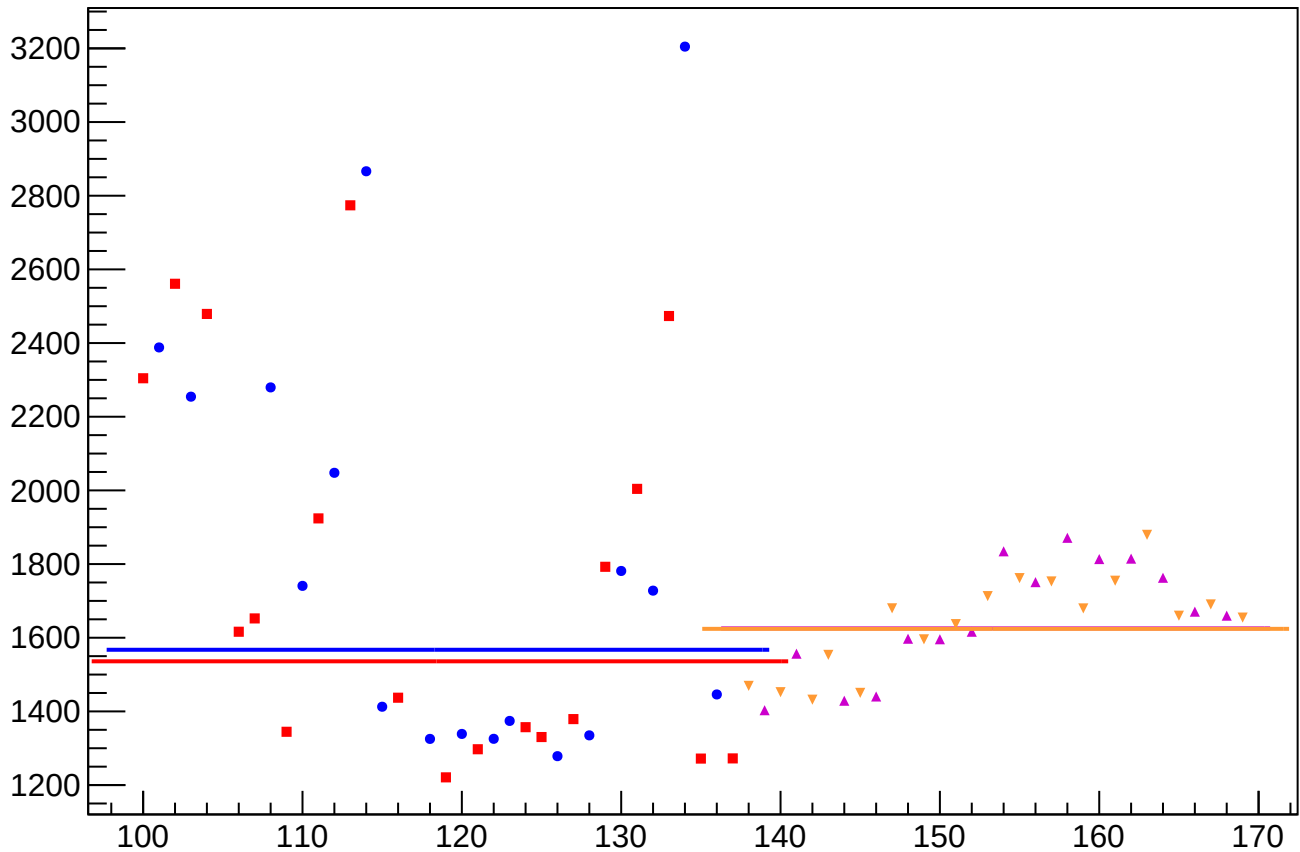
Left In: 25.587 ± 0.478 $\chi^2/\text{NDF}: 219.7/14$

+ sign 1.558 ± 0.372 $\chi^2/\text{NDF}: 6208.2/33$

All: 4.618 ± 0.264 $\chi^2/\text{NDF}: 10782.5/67$

- sign 7.746 ± 0.376 $\chi^2/\text{NDF}: 4437.4/33$

diff_bpm0i07X_rms vs Slug



Right In: 1567.328+/-0.451 χ^2 /NDF: 673450.6/16

Left Out: 1624.138+/-0.324 χ^2 /NDF:145222.6/16

Right Out: 1535.967+/-0.430 χ^2 /NDF: 882098.2/18

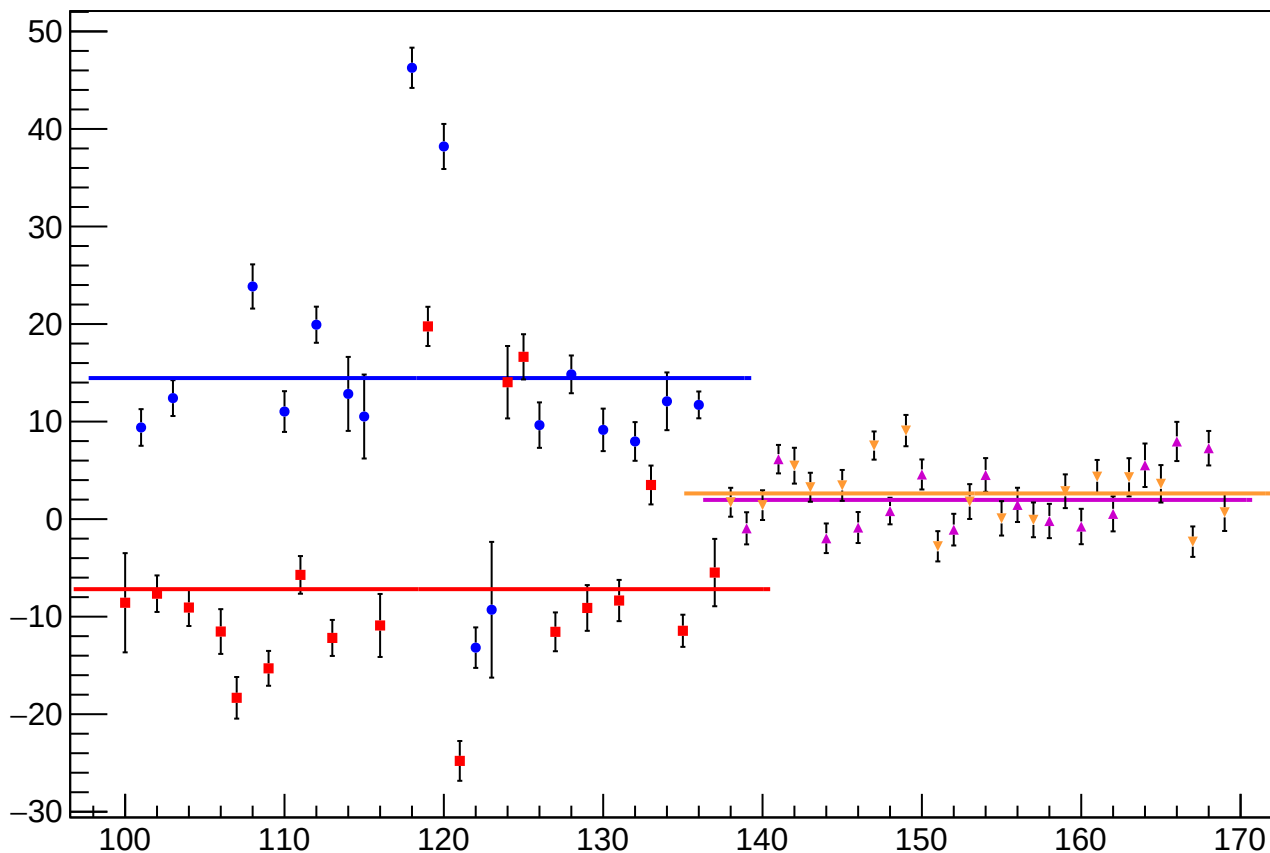
Left In: 1625.425+/-0.338 χ^2 /NDF:198275.1/14

+ sign 1604.801+/-0.263 χ^2 /NDF: 829154.1/33

All: 1598.104+/-0.187 χ^2 /NDF: 1937569.1/67

- sign 1591.257+/-0.266 χ^2 /NDF: 1107102.8/33

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 ± 0.523 χ^2/NDF : 595.9/16

Left Out: 2.633 ± 0.403 χ^2/NDF : 61.4/16

Right Out: -7.181 ± 0.494 χ^2/NDF : 495.7/18

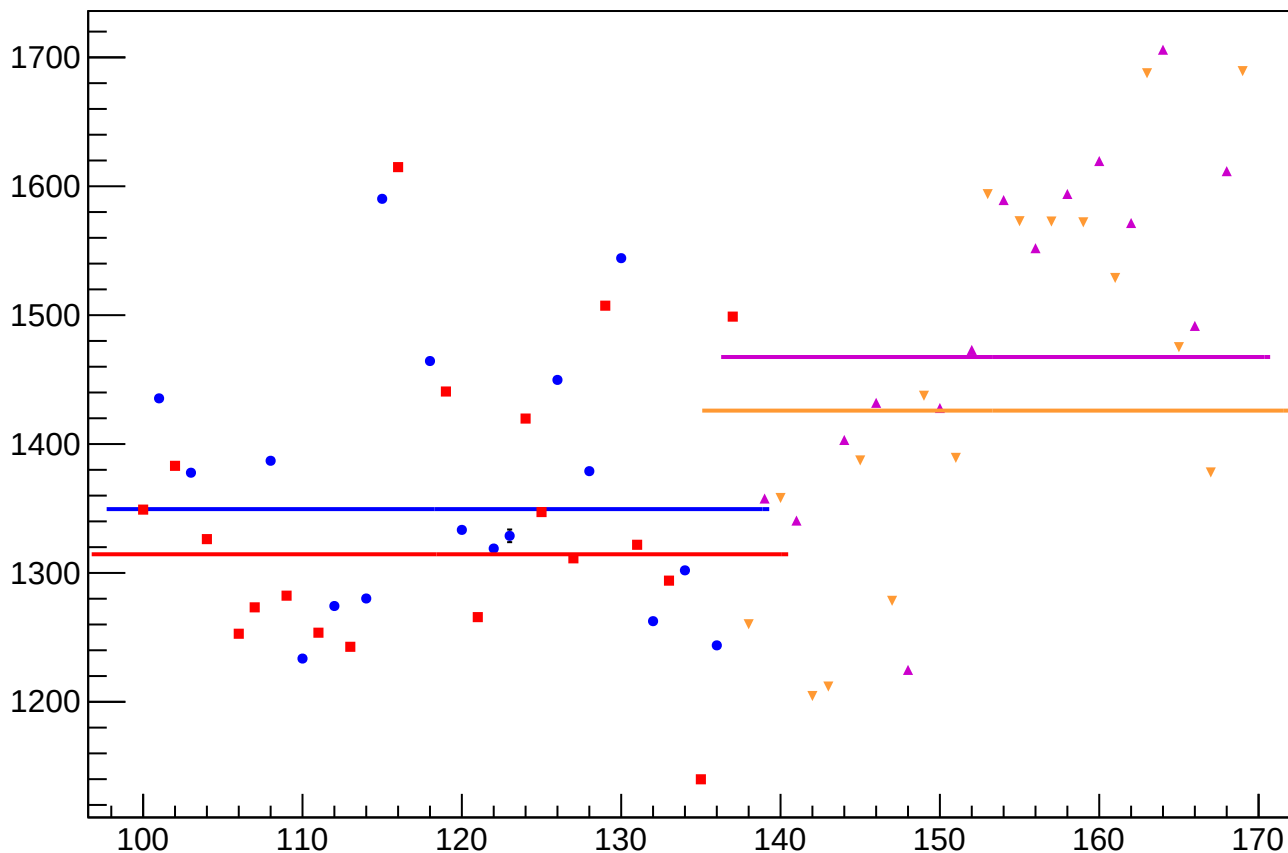
Left In: 1.969 ± 0.431 χ^2/NDF : 55.4/14

+ sign 7.037 ± 0.319 χ^2/NDF : 978.1/33

All: 2.606 ± 0.228 χ^2/NDF : 2115.9/67

- sign -1.986 ± 0.325 χ^2/NDF : 745.5/33

diff_bpm0i07Y_rms vs Slug



Right In: 1349.522 ± 0.370 χ^2/NDF : 64667.6/16

Left Out: 1425.949 ± 0.285 χ^2/NDF : 266403.3/16

Right Out: 1314.485 ± 0.350 χ^2/NDF : 80952.7/18

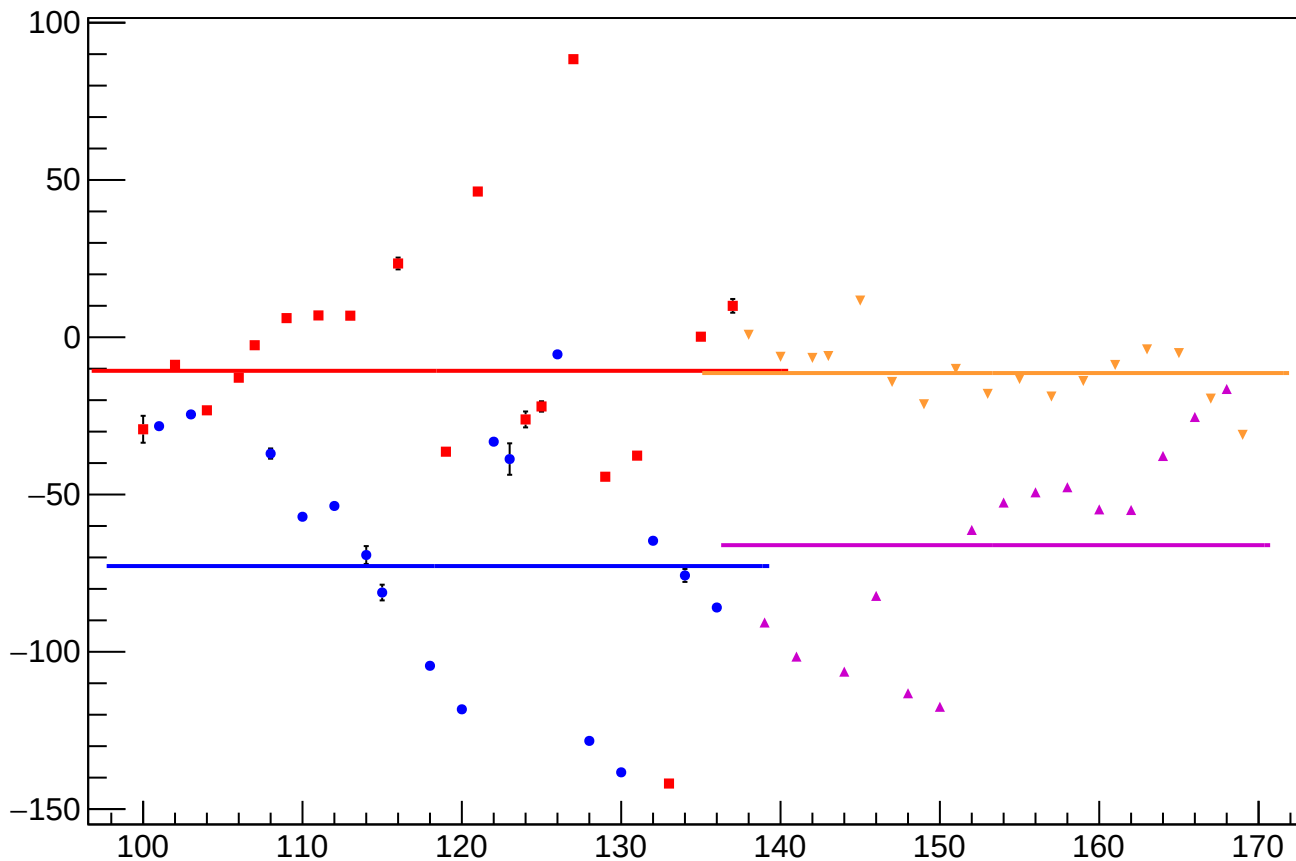
Left In: 1467.539 ± 0.305 χ^2/NDF : 175643.5/14

+ sign 1397.490 ± 0.226 χ^2/NDF : 357855.9/33

All: 1399.401 ± 0.161 χ^2/NDF : 723435.2/67

- sign 1401.382 ± 0.230 χ^2/NDF : 365433.5/33

diff_bpm1i02X_mean vs Slug



Right In: -72.741 ± 0.362 $\chi^2/\text{NDF}: 11690.4/16$

Left Out: -11.381 ± 0.260 $\chi^2/\text{NDF}: 1419.3/16$

Right Out: -10.671 ± 0.352 $\chi^2/\text{NDF}: 18171.0/18$

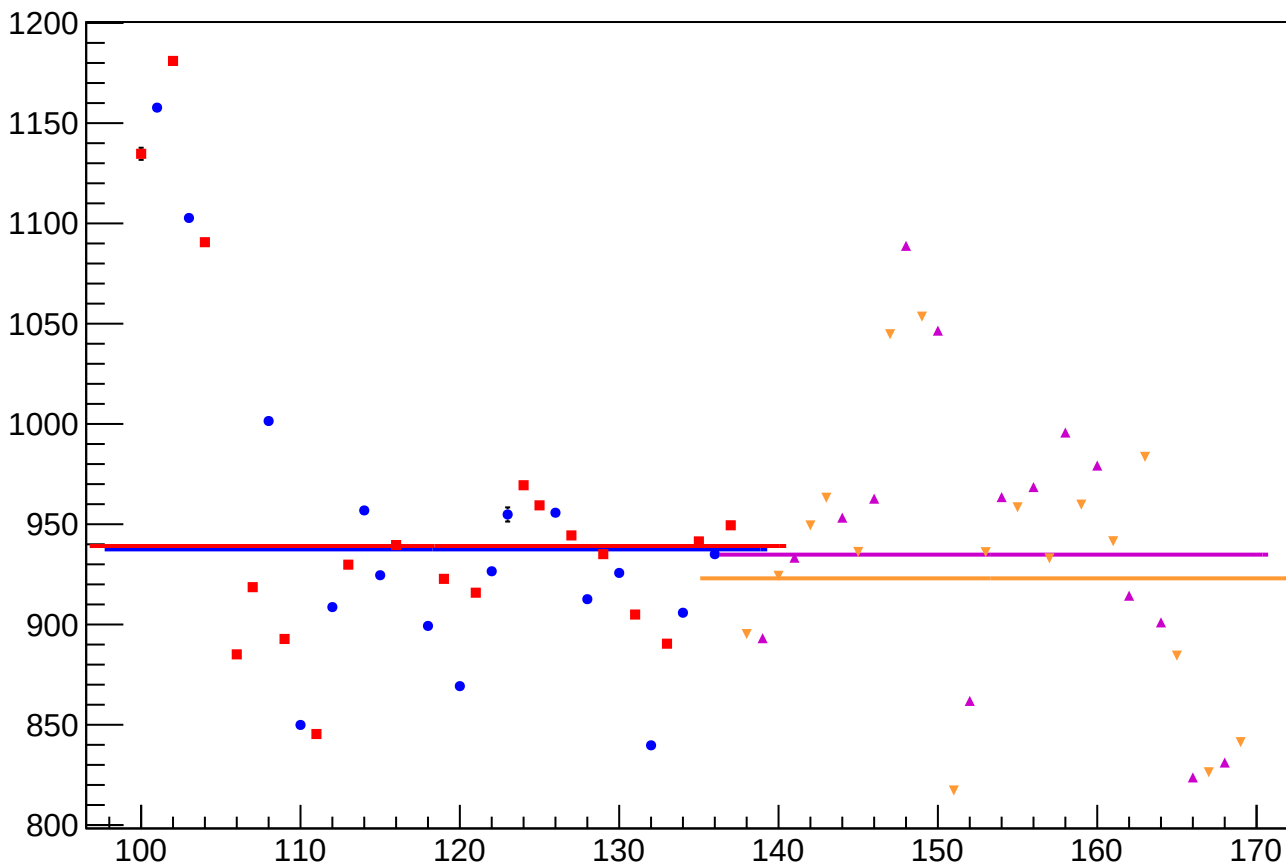
Left In: -66.096 ± 0.274 $\chi^2/\text{NDF}: 12930.2/14$

+ sign -32.229 ± 0.211 $\chi^2/\text{NDF}: 32041.6/33$

All: -38.542 ± 0.151 $\chi^2/\text{NDF}: 80379.1/67$

- sign -45.172 ± 0.216 $\chi^2/\text{NDF}: 46506.2/33$

diff_bpm1i02X_rms vs Slug



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

Left Out: 923.023+/-0.184 χ^2/NDF :127340.7/16

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

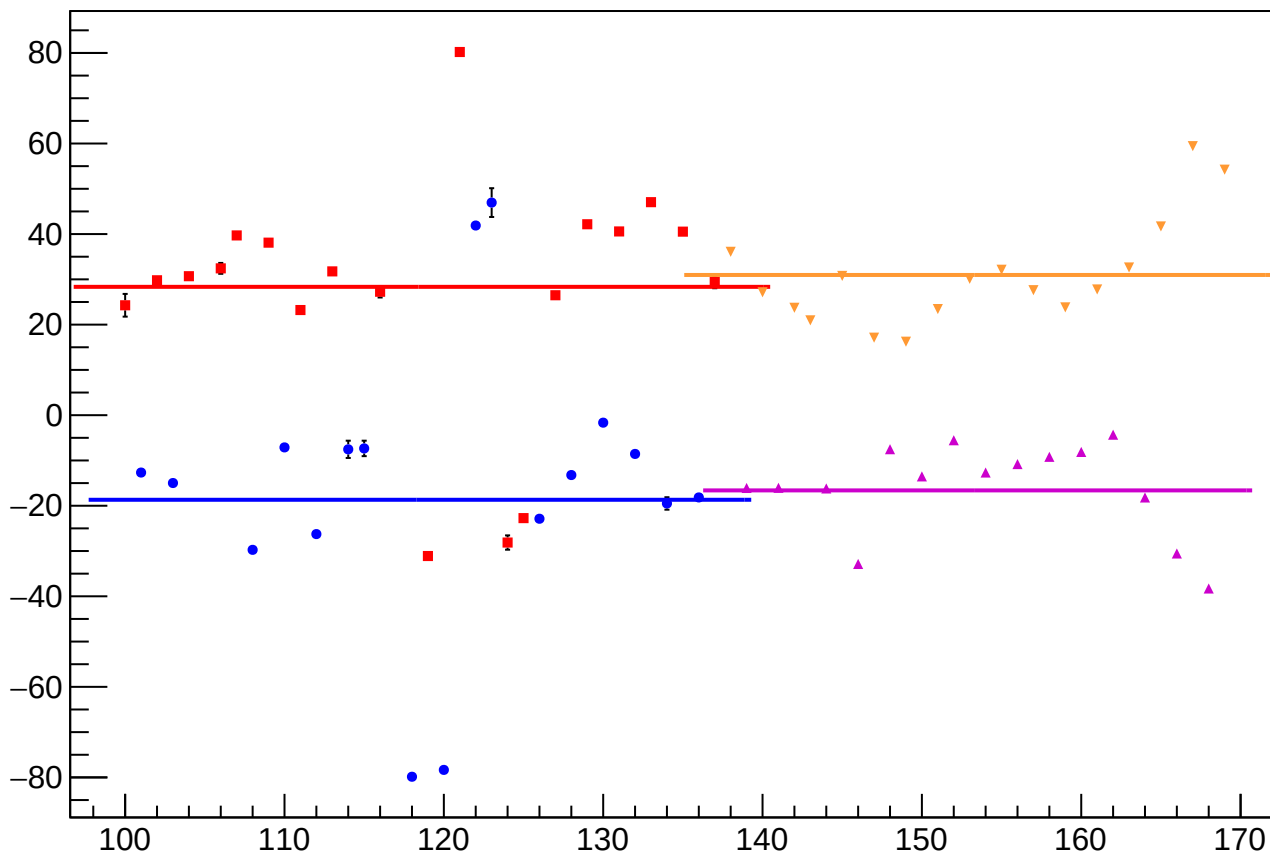
Left In: 934.842+/-0.194 χ^2/NDF :130187.0/14

+ sign 927.926+/-0.149 χ^2/NDF : 227742.6/33

All: 932.090+/-0.107 χ^2/NDF : 449962.0/67

- sign 936.465+/-0.153 χ^2/NDF : 220625.4/33

diff_bpm1i02Y_mean vs Slug



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

Left Out: 30.968 ± 0.202 χ^2/NDF : 3516.6/16

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

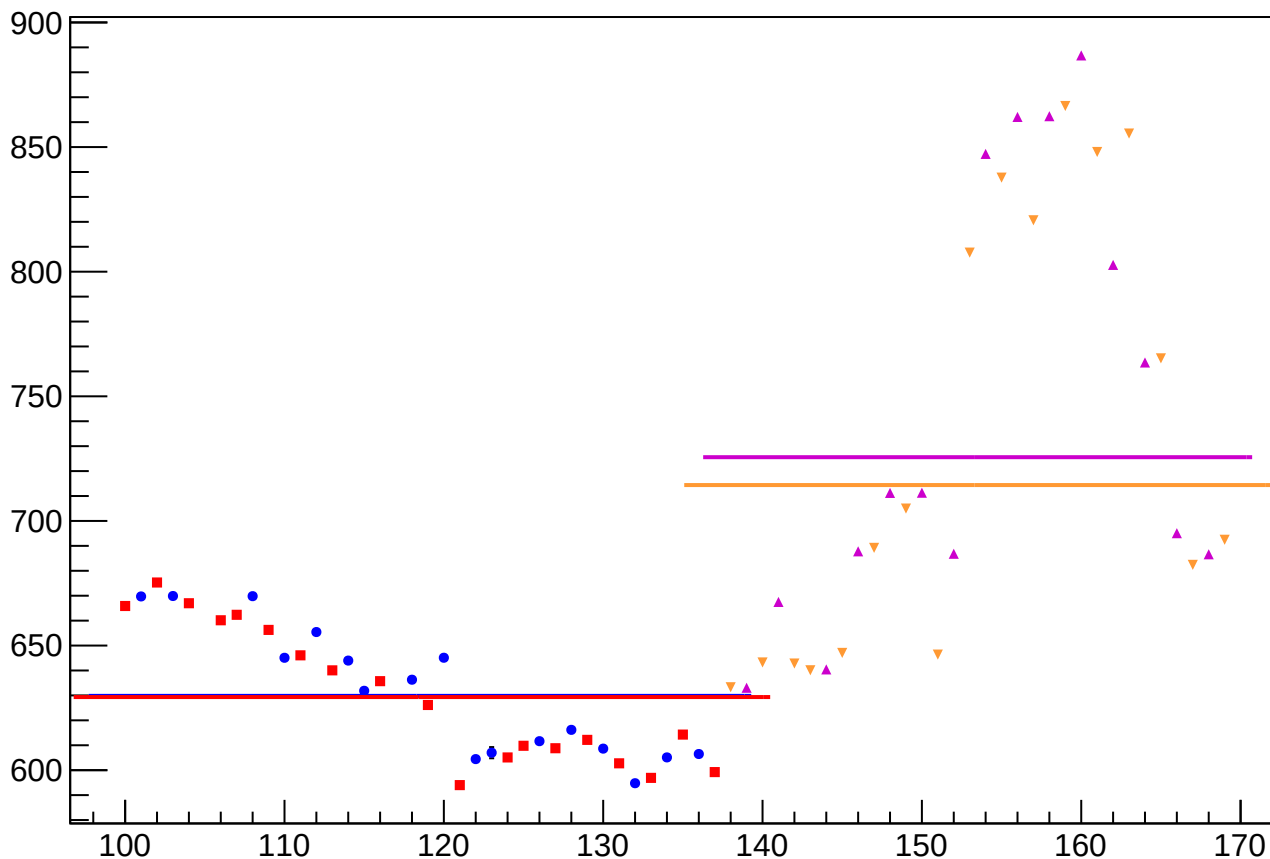
Left In: -16.611 ± 0.214 χ^2/NDF : 2240.9/14

+ sign 10.630 ± 0.155 χ^2/NDF : 41239.6/33

All: 7.233 ± 0.111 χ^2/NDF : 76947.0/67

- sign 3.704 ± 0.158 χ^2/NDF : 34732.1/33

diff_bpm1i02Y_rms vs Slug



Right In: 629.815+/-0.172 χ^2/NDF : 23298.3/16

Left Out: 714.395+/-0.143 χ^2/NDF : 331127.7/16

Right Out: 629.340+/-0.166 χ^2/NDF : 25538.5/18

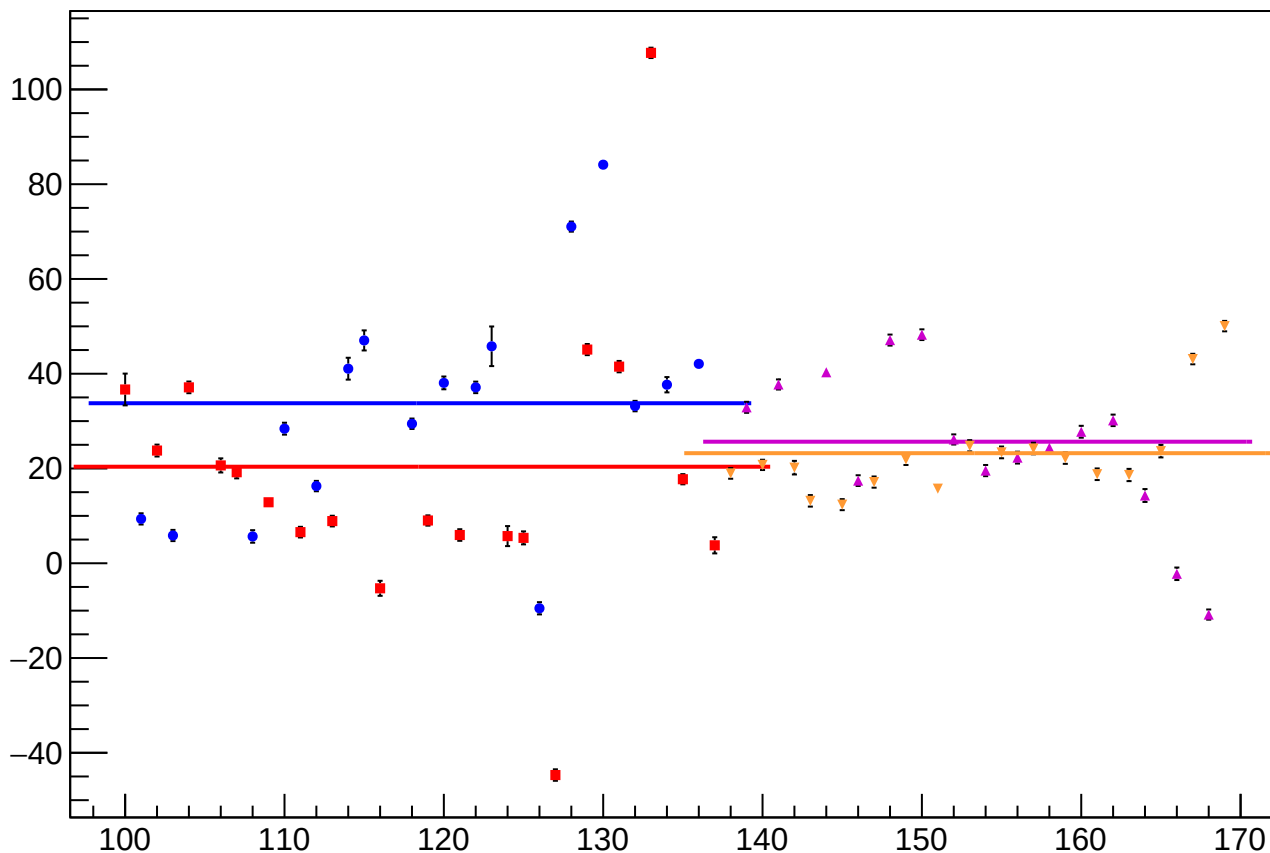
Left In: 725.577+/-0.151 χ^2/NDF : 275595.3/14

+ sign 679.749+/-0.110 χ^2/NDF : 497876.6/33

All: 680.897+/-0.078 χ^2/NDF : 982366.1/67

- sign 682.089+/-0.112 χ^2/NDF : 484266.7/33

diff_bpm1i04X_mean vs Slug



Right In: 33.773 $\pm$ 0.300 χ^2 /NDF: 6487.9/16

Left Out: 23.232 $\pm$ 0.288 χ^2 /NDF:1200.8/16

Right Out: 20.375 $\pm$ 0.293 χ^2 /NDF: 11287.7/18

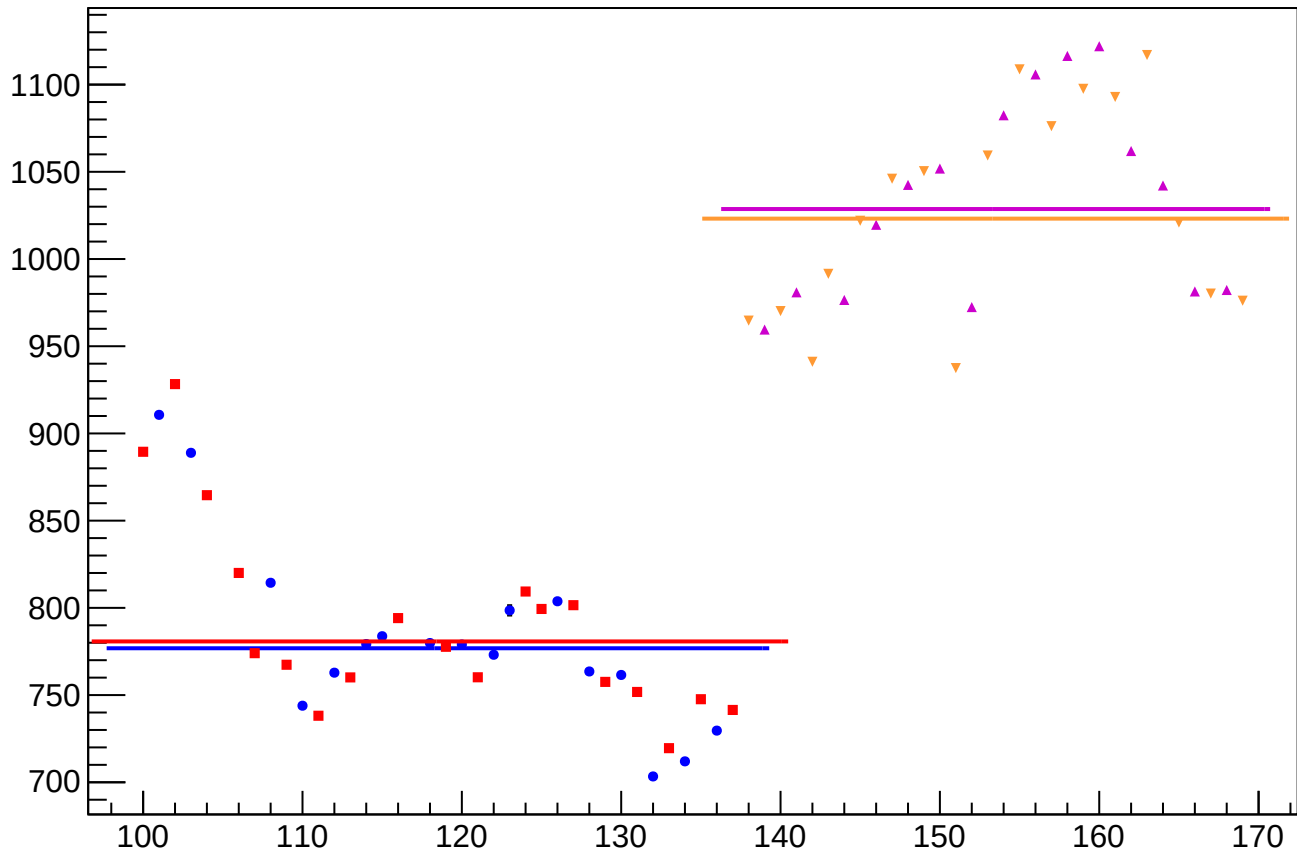
Left In: 25.654 $\pm$ 0.301 χ^2 /NDF:2872.6/14

+ sign 28.285 $\pm$ 0.208 χ^2 /NDF: 8331.8/33

All: 25.639 $\pm$ 0.148 χ^2 /NDF: 22978.4/67

- sign 22.935 $\pm$ 0.210 χ^2 /NDF: 14318.2/33

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1023.158 $\pm$ 0.204 χ^2 /NDF: 79658.5/16

Right Out: 780.755 $\pm$ 0.207 χ^2 /NDF: 57428.9/18

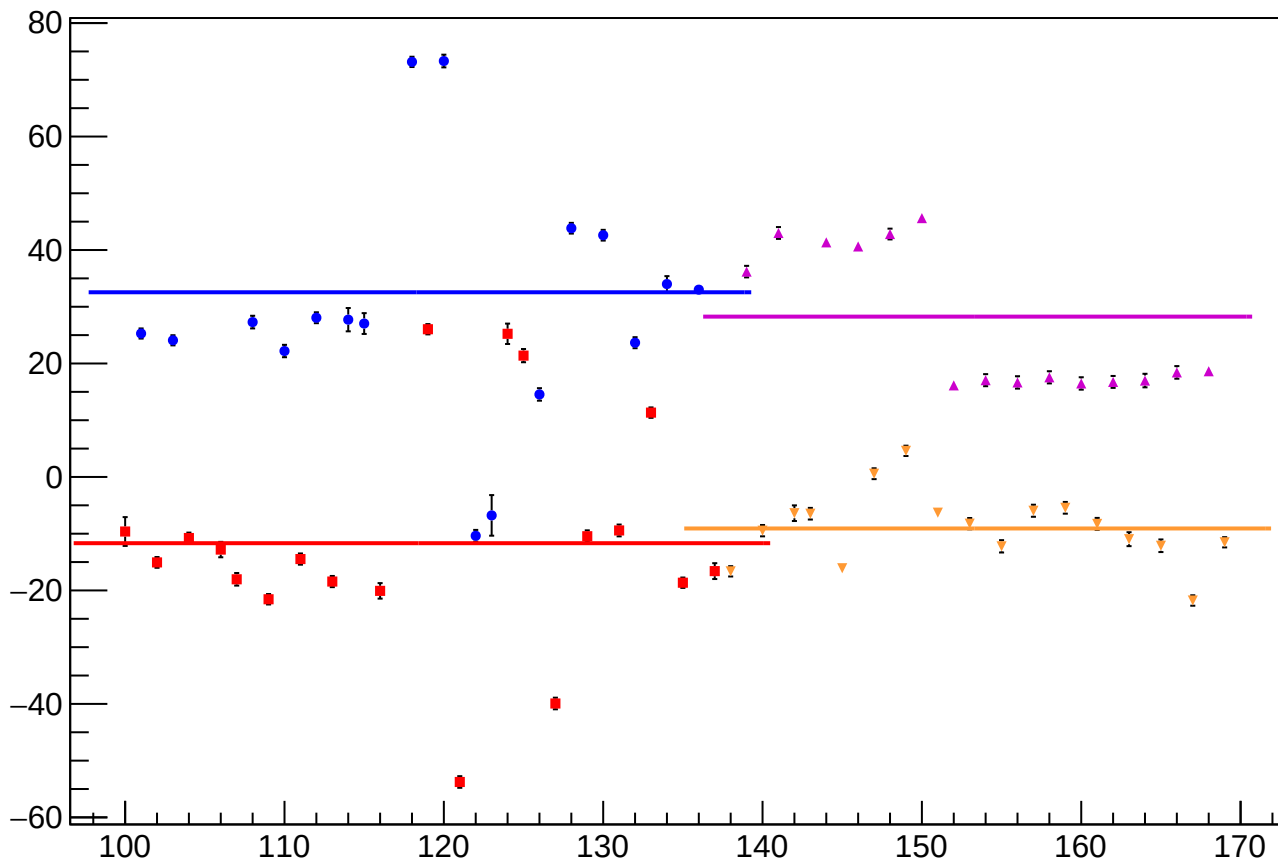
Left In: 1028.660 $\pm$ 0.213 χ^2 /NDF: 63663.0/14

+ sign 905.068 $\pm$ 0.147 χ^2 /NDF: 849540.6/33

All: 903.043 $\pm$ 0.104 χ^2 /NDF: 1667591.1/67

- sign 900.973 $\pm$ 0.148 χ^2 /NDF: 817665.9/33

diff_bpm1i04Y_mean vs Slug



Right In: 32.552 ± 0.253 χ^2/NDF : 6073.0/16

Left Out: -9.080 ± 0.241 χ^2/NDF : 719.3/16

Right Out: -11.674 ± 0.247 χ^2/NDF : 6357.6/18

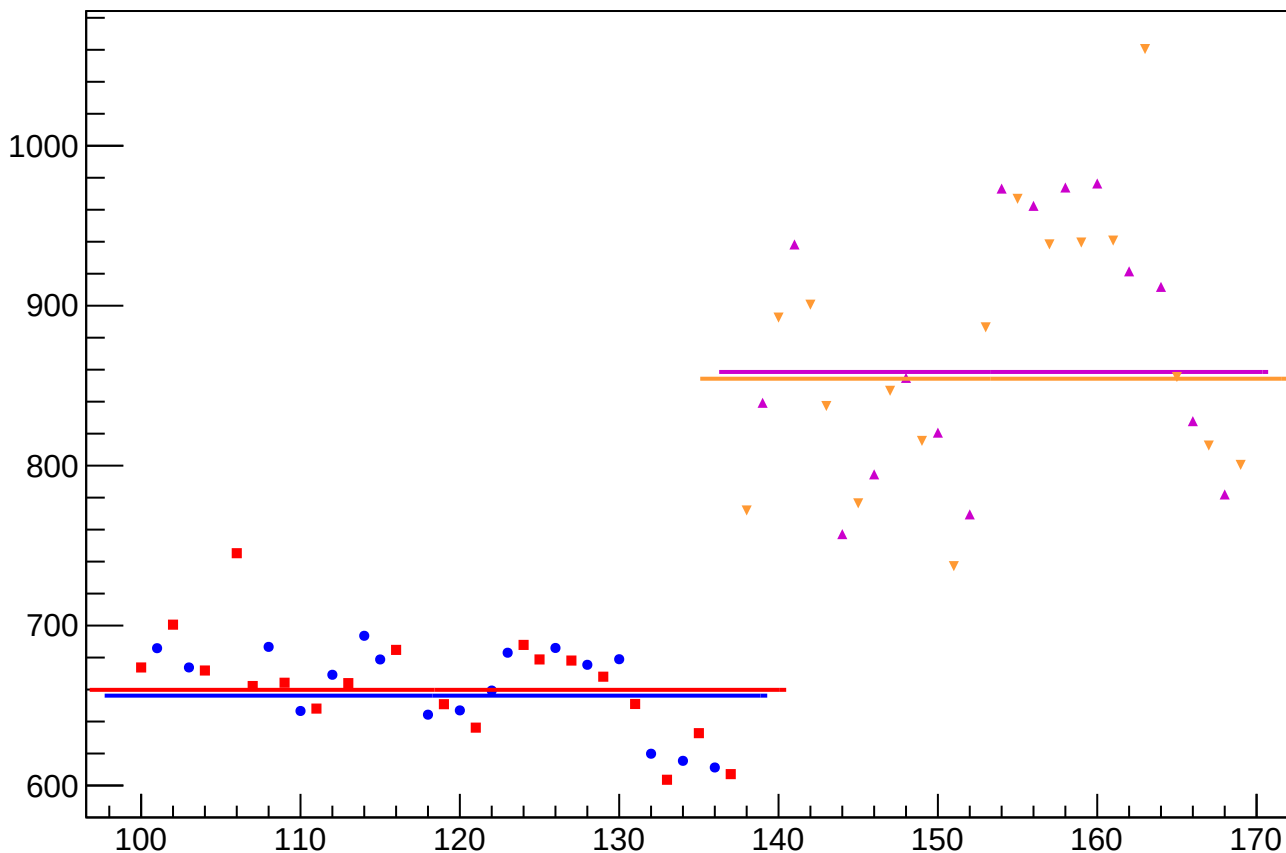
Left In: 28.260 ± 0.253 χ^2/NDF : 2384.5/14

+ sign 10.766 ± 0.175 χ^2/NDF : 20977.6/33

All: 9.303 ± 0.124 χ^2/NDF : 42611.4/67

- sign -7.802 ± 0.177 χ^2/NDF : 21491.5/33

diff_bpm1i04Y_rms vs Slug



Right In: 656.181+/-0.179 χ^2/NDF : 23569.6/16

Left Out: 854.345+/-0.171 χ^2/NDF : 212403.0/16

Right Out: 659.813+/-0.175 χ^2/NDF : 28325.7/18

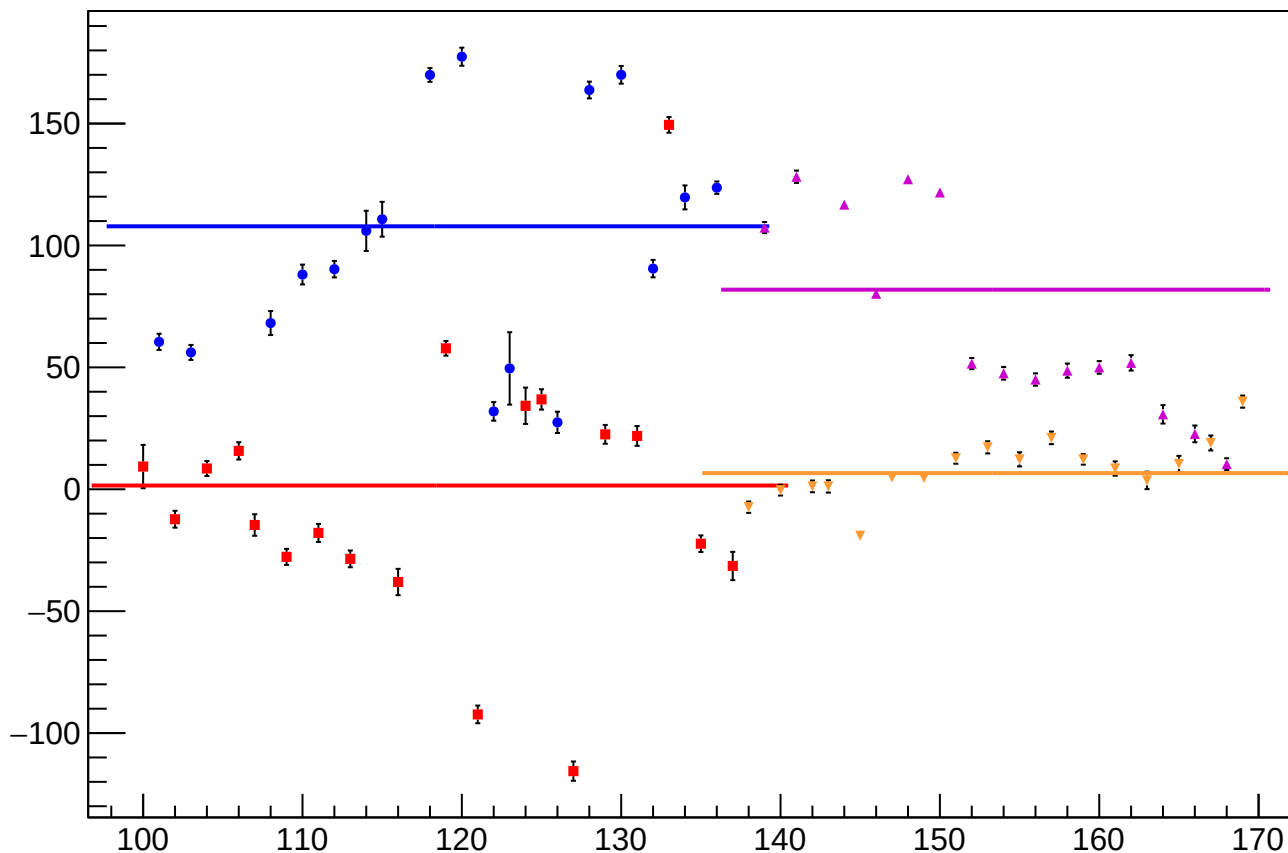
Left In: 858.572+/-0.179 χ^2/NDF : 194871.1/14

+ sign 759.882+/-0.123 χ^2/NDF : 878762.1/33

All: 758.335+/-0.088 χ^2/NDF : 1733933.3/67

- sign 756.749+/-0.125 χ^2/NDF : 854853.2/33

diff_bpm1i06X_mean vs Slug



Right In: 107.852 ± 0.922 χ^2/NDF : 2809.0/16

Left Out: 6.631 ± 0.577 χ^2/NDF : 442.8/16

Right Out: 1.542 ± 0.883 χ^2/NDF : 4523.8/18

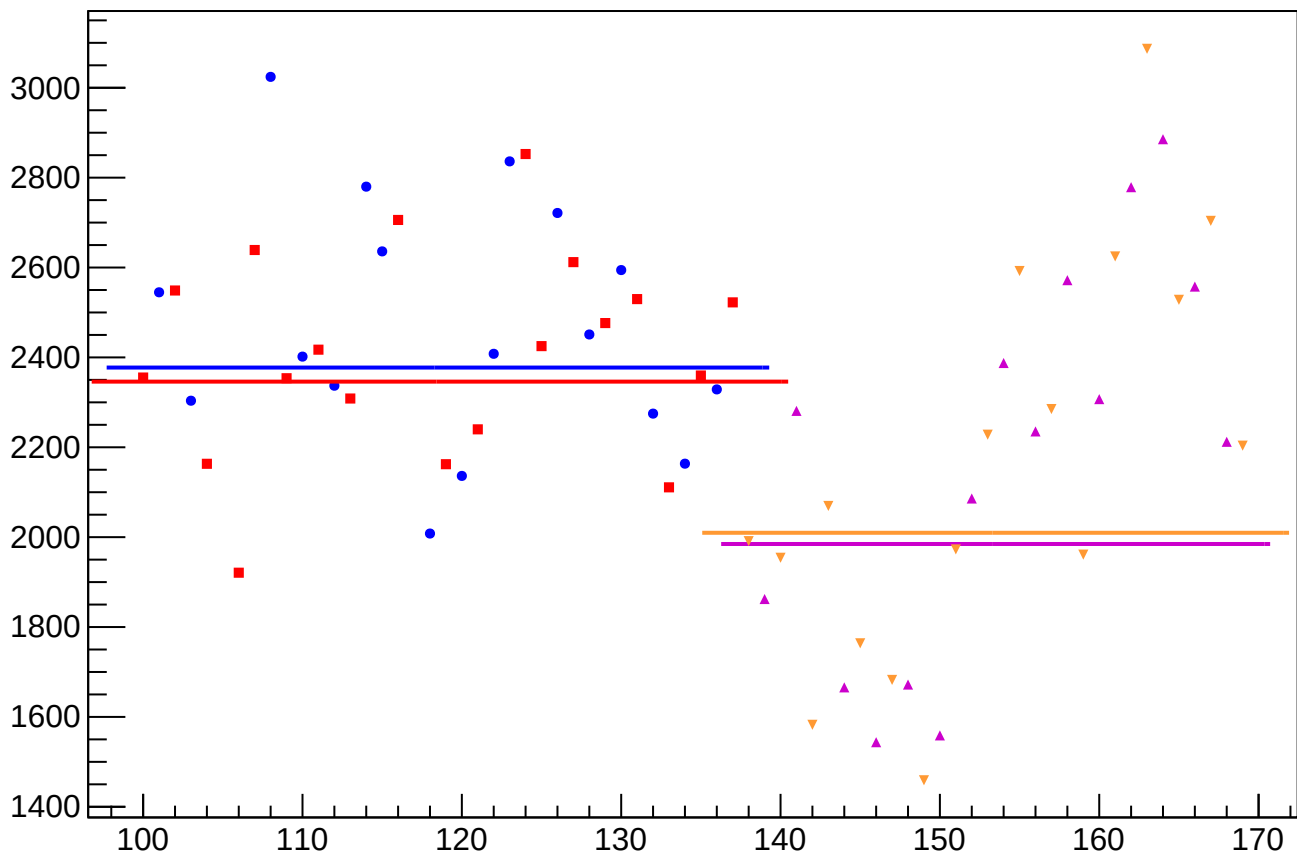
Left In: 81.863 ± 0.597 χ^2/NDF : 4242.4/14

+ sign 35.136 ± 0.489 χ^2/NDF : 11919.0/33

All: 45.794 ± 0.348 χ^2/NDF : 27323.1/67

- sign 56.691 ± 0.494 χ^2/NDF : 14443.5/33

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 2009.751+/-0.408 χ^2/NDF : 933401.2/16

Right Out: 2346.121+/-0.625 χ^2/NDF : 108257.3/18

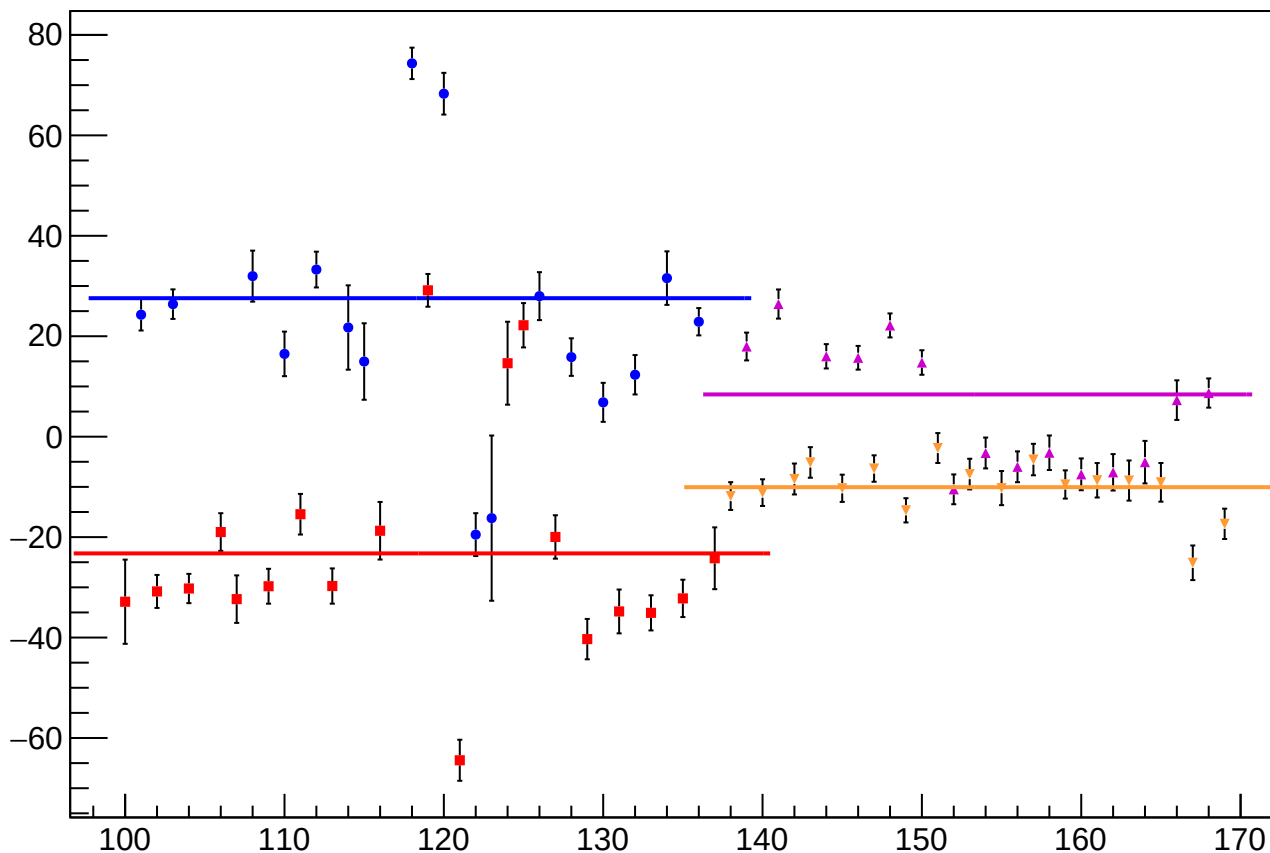
Left In: 1984.796+/-0.422 χ^2/NDF : 905546.8/14

+ sign 2113.291+/-0.346 χ^2/NDF : 1281760.4/33

All: 2105.745+/-0.246 χ^2/NDF : 2526308.6/67

- sign 2098.029+/-0.350 χ^2/NDF : 1243584.9/33

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 $\pm$ 0.975 χ^2 /NDF: 519.6/16

Left Out: -10.058 $\pm$ 0.729 χ^2 /NDF: 45.1/16

Right Out: -23.243 $\pm$ 0.927 χ^2 /NDF: 557.9/18

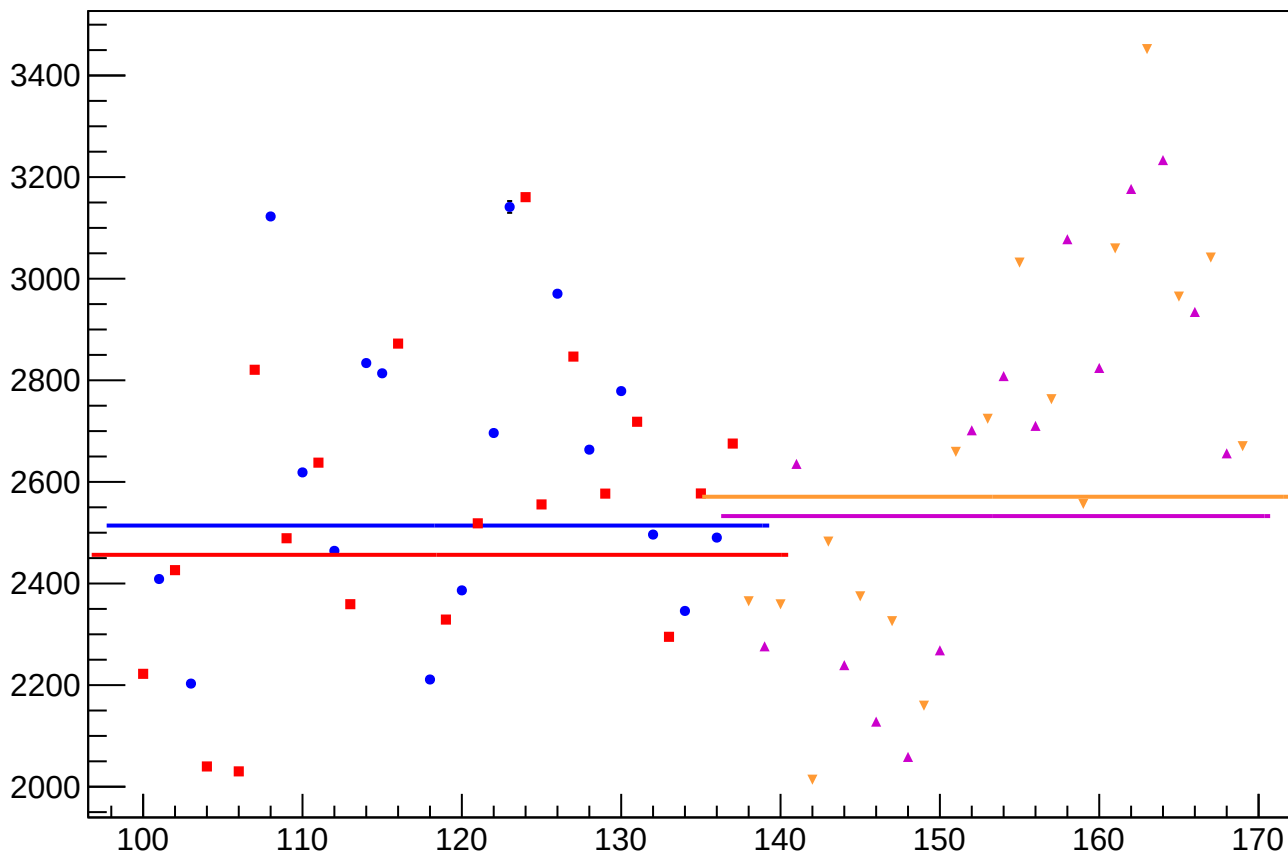
Left In: 8.413 $\pm$ 0.753 χ^2 /NDF: 251.6/14

+ sign 3.440 $\pm$ 0.584 χ^2 /NDF: 1520.6/33

All: -0.358 $\pm$ 0.413 χ^2 /NDF: 3117.8/67

- sign -4.163 $\pm$ 0.584 χ^2 /NDF: 1512.4/33

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088+/-0.689 χ^2/NDF : 120961.3/16

Left Out: 2570.800+/-0.515 χ^2/NDF : 426165.2/16

Right Out: 2456.460+/-0.655 χ^2/NDF : 149732.7/18

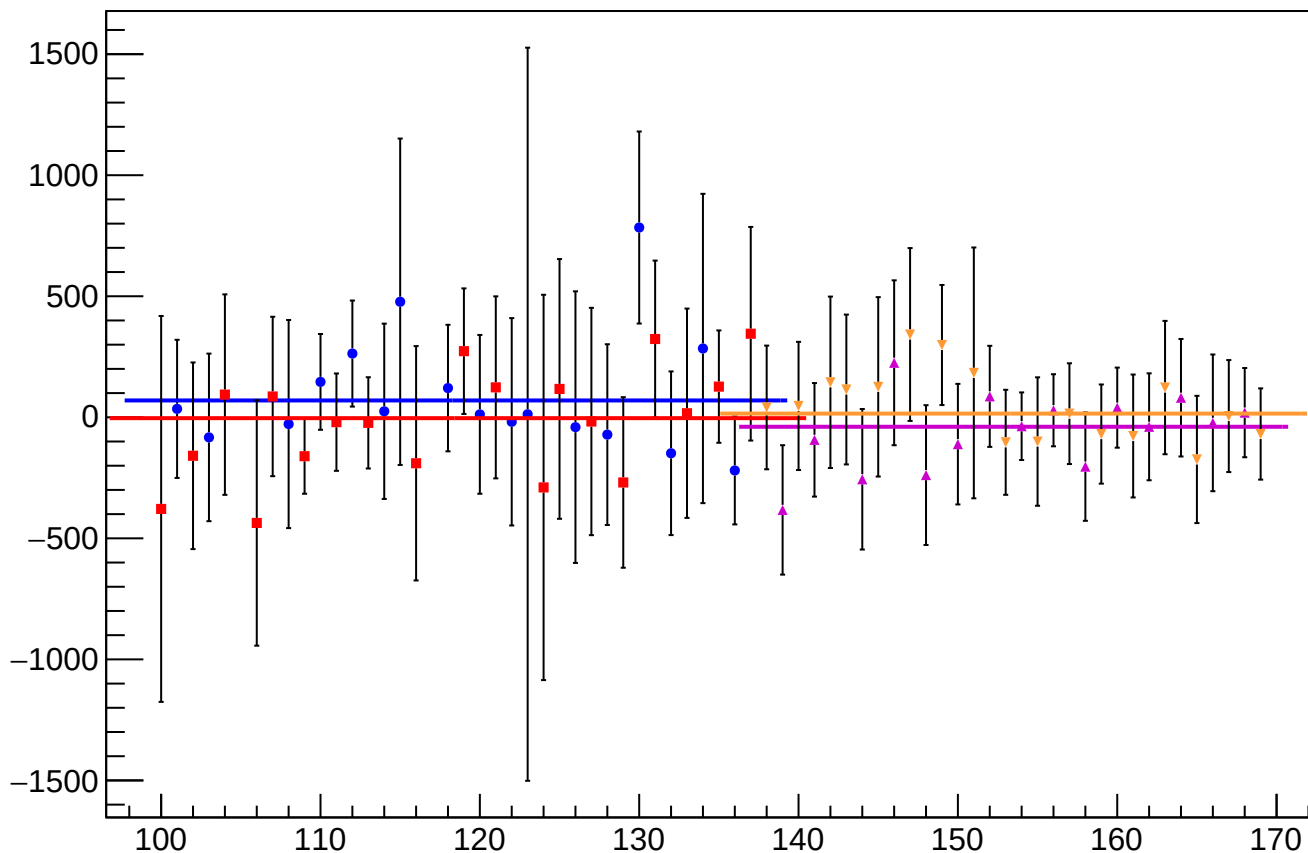
Left In: 2532.744+/-0.532 χ^2/NDF : 448408.4/14

+ sign 2550.460+/-0.413 χ^2/NDF : 551468.2/33

All: 2526.470+/-0.292 χ^2/NDF : 1164533.5/67

- sign 2502.438+/-0.413 χ^2/NDF : 606304.4/33

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



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

Left Out: 15.298 $\pm$ 62.559 χ^2 /NDF: 4.3/16

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

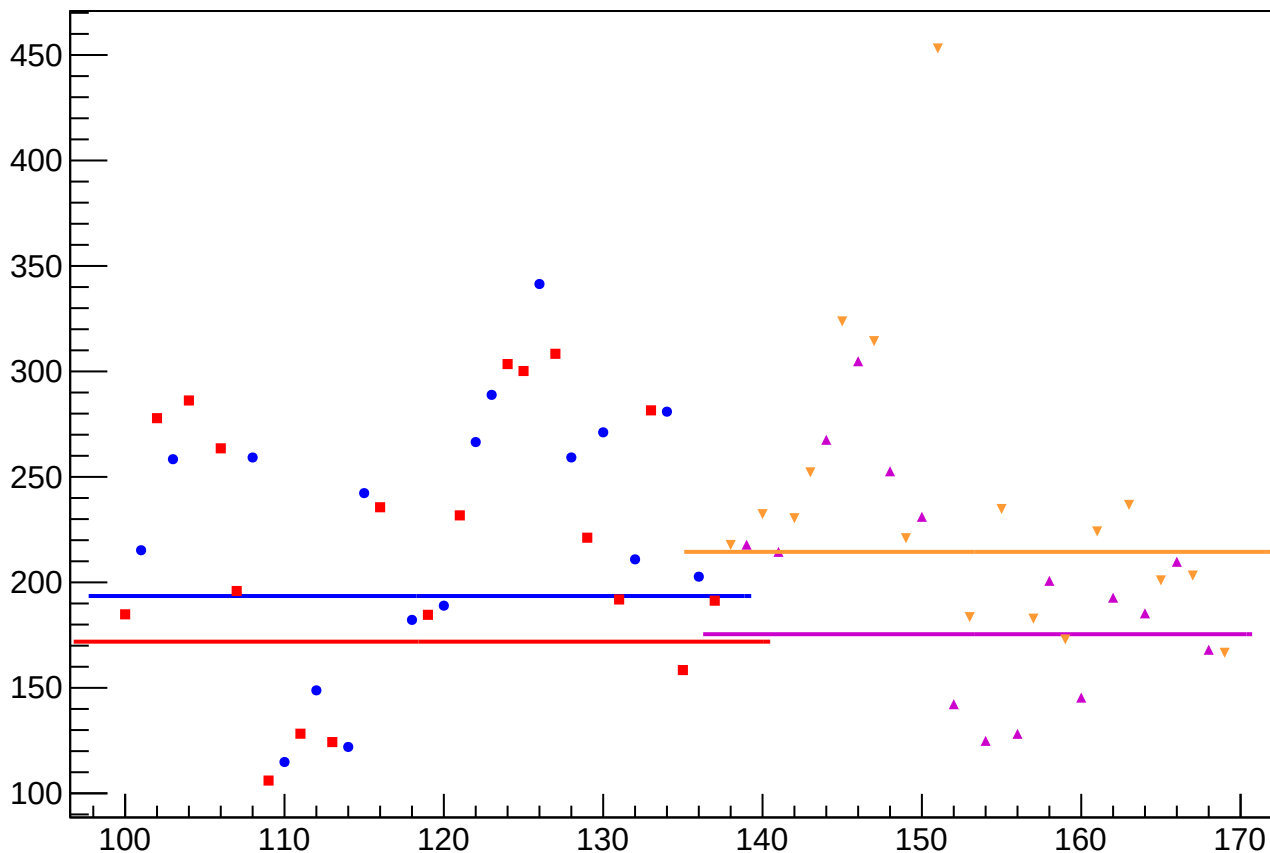
Left In: -39.141 $\pm$ 54.546 χ^2 /NDF: 5.1/14

+ sign 36.214 $\pm$ 49.049 χ^2 /NDF: 11.9/33

All: 1.224 $\pm$ 32.343 χ^2 /NDF: 24.5/67

- sign -25.695 $\pm$ 43.021 χ^2 /NDF: 11.7/33

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.533 $\pm$ 0.056 χ^2 /NDF: 1010428.2/16

Left Out: 214.470 $\pm$ 0.044 χ^2 /NDF: 1135091.9/16

Right Out: 171.901 $\pm$ 0.049 χ^2 /NDF: 1576883.7/18

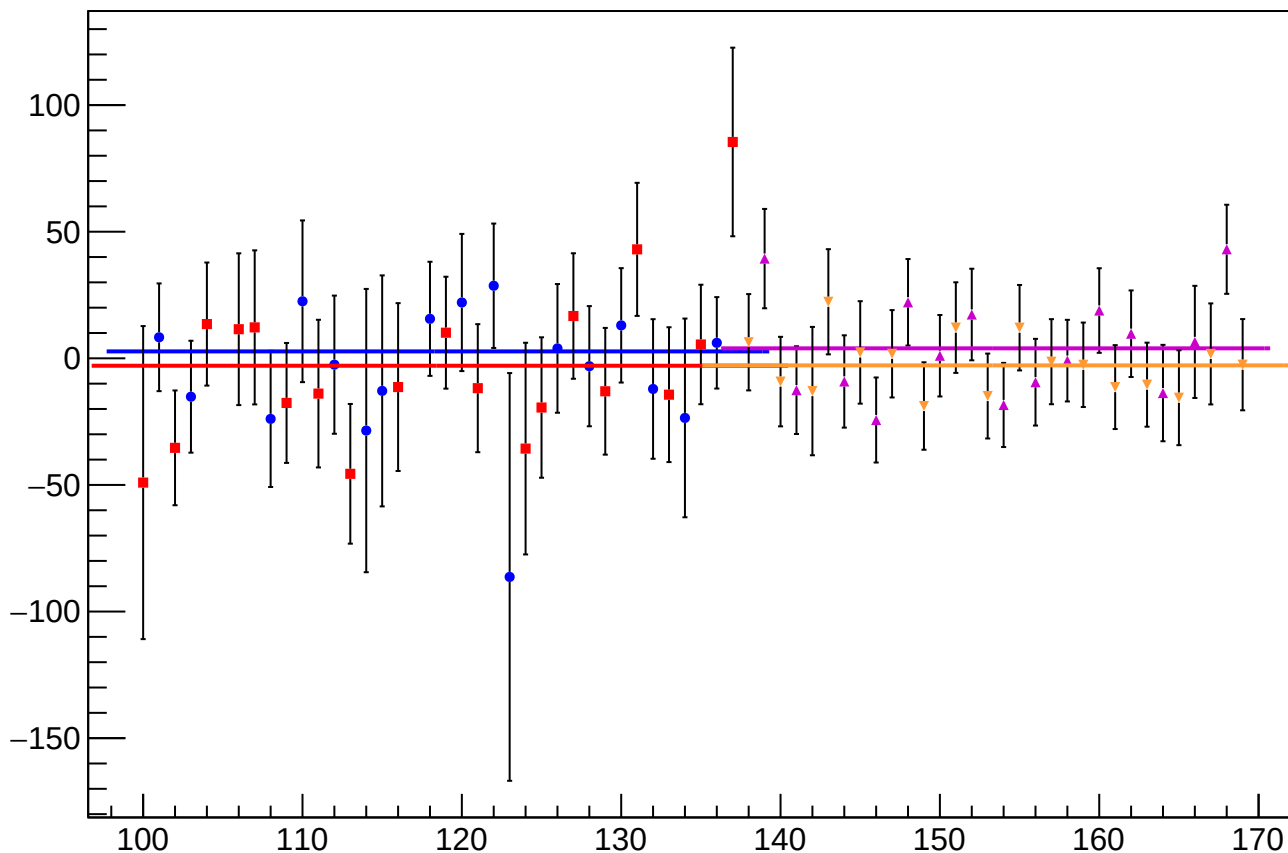
Left In: 175.433 $\pm$ 0.039 χ^2 /NDF: 1493050.1/14

+ sign 206.403 $\pm$ 0.035 χ^2 /NDF: 2231821.7/33

All: 188.145 $\pm$ 0.023 χ^2 /NDF: 5795285.4/67

- sign 174.098 $\pm$ 0.030 χ^2 /NDF: 3073103.9/33

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 $\pm$ 6.424 χ^2 /NDF: 6.8/16

Left Out: -2.787 $\pm$ 4.383 χ^2 /NDF: 6.0/16

Right Out: -2.928 $\pm$ 6.279 χ^2 /NDF: 17.8/18

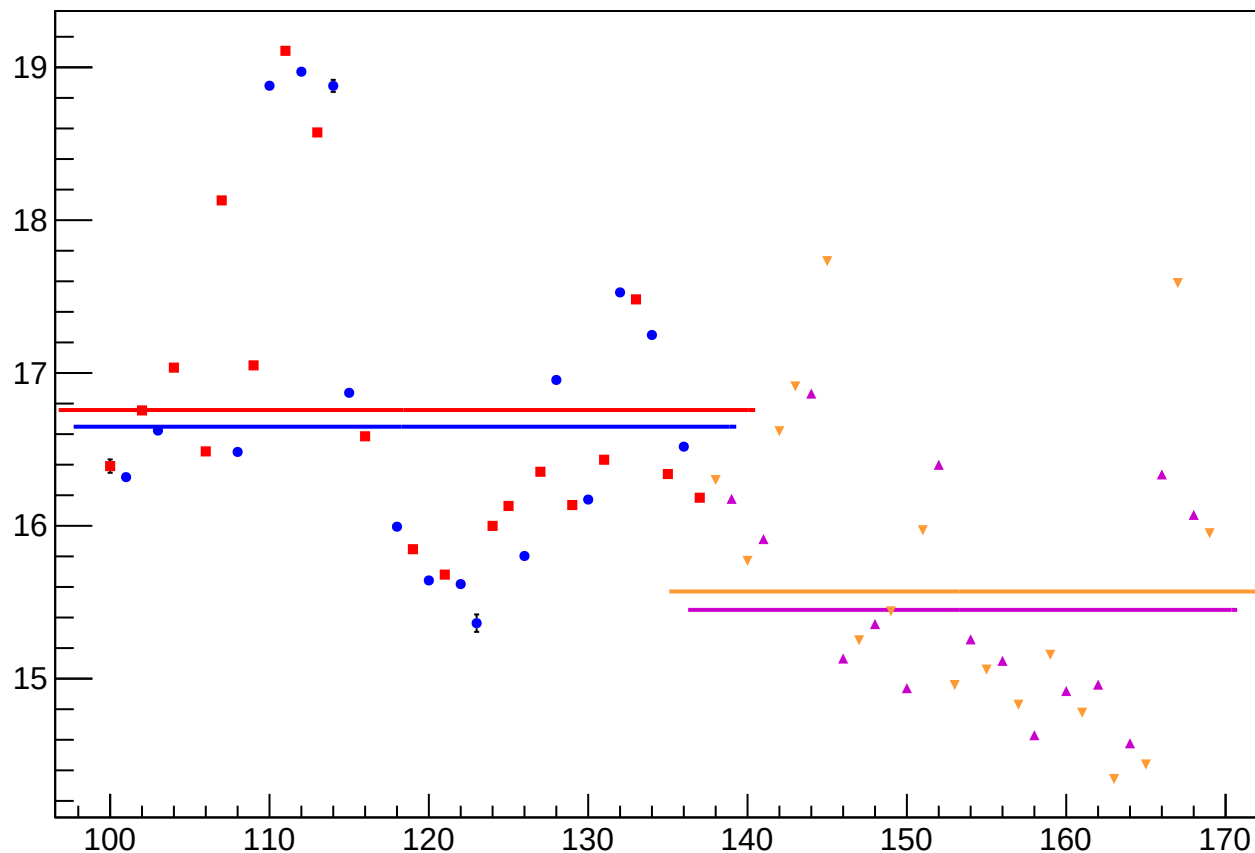
Left In: 3.943 $\pm$ 4.528 χ^2 /NDF: 18.5/14

+ sign -1.033 $\pm$ 3.621 χ^2 /NDF: 13.3/33

All: 0.260 $\pm$ 2.578 χ^2 /NDF: 50.5/67

- sign 1.591 $\pm$ 3.673 χ^2 /NDF: 37.0/33

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.649 $\pm$ 0.005 χ^2 /NDF: 42566.9/16

Left Out: 15.570 $\pm$ 0.003 χ^2 /NDF: 93412.2/16

Right Out: 16.758 $\pm$ 0.004 χ^2 /NDF: 39950.7/18

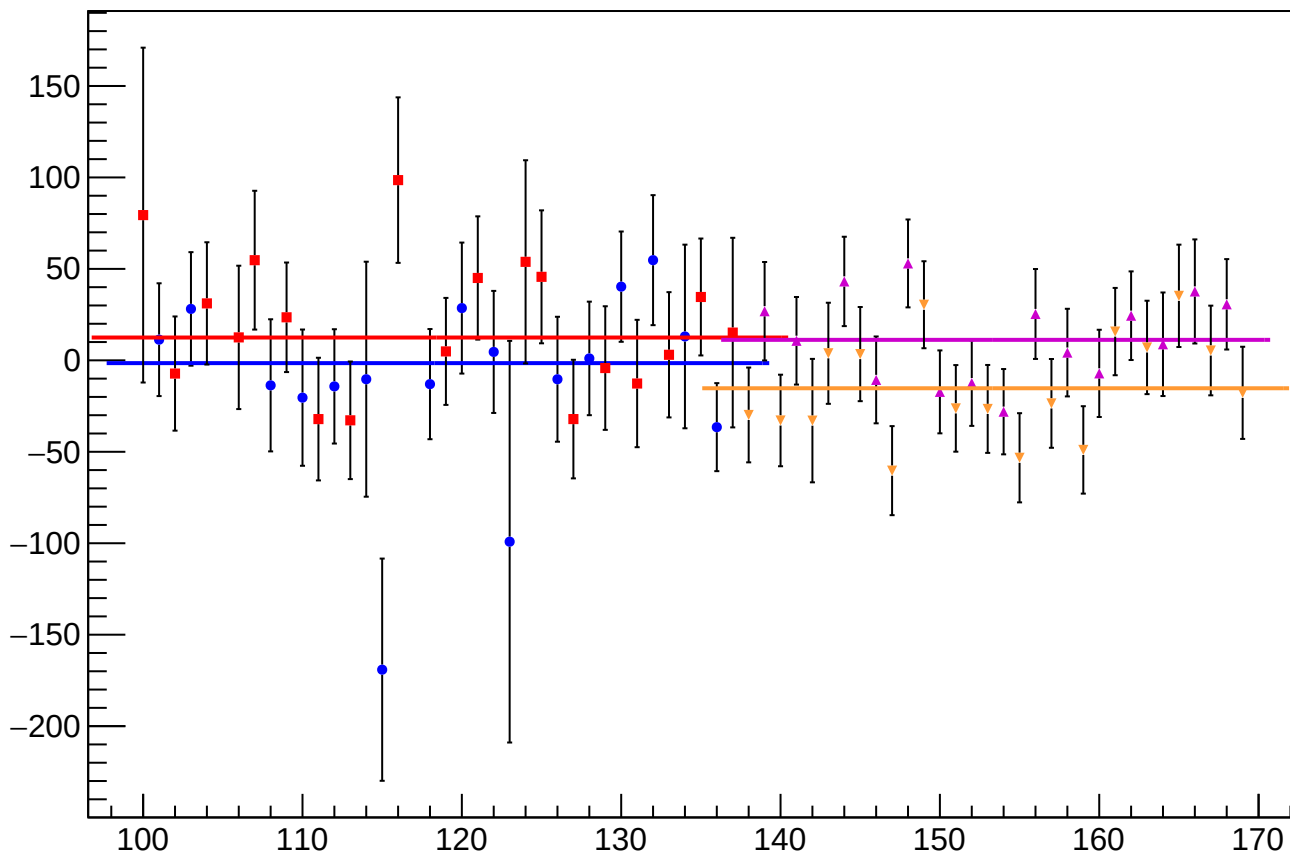
Left In: 15.450 $\pm$ 0.003 χ^2 /NDF: 44319.8/14

+ sign 15.913 $\pm$ 0.003 χ^2 /NDF: 174410.1/33

All: 15.905 $\pm$ 0.002 χ^2 /NDF: 315759.3/67

- sign 15.898 $\pm$ 0.003 χ^2 /NDF: 141331.4/33

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.523 ± 8.485 χ^2/NDF : 17.6/16

Left Out: -15.265 ± 6.121 χ^2/NDF : 20.6/16

Right Out: 12.475 ± 8.210 χ^2/NDF : 15.6/18

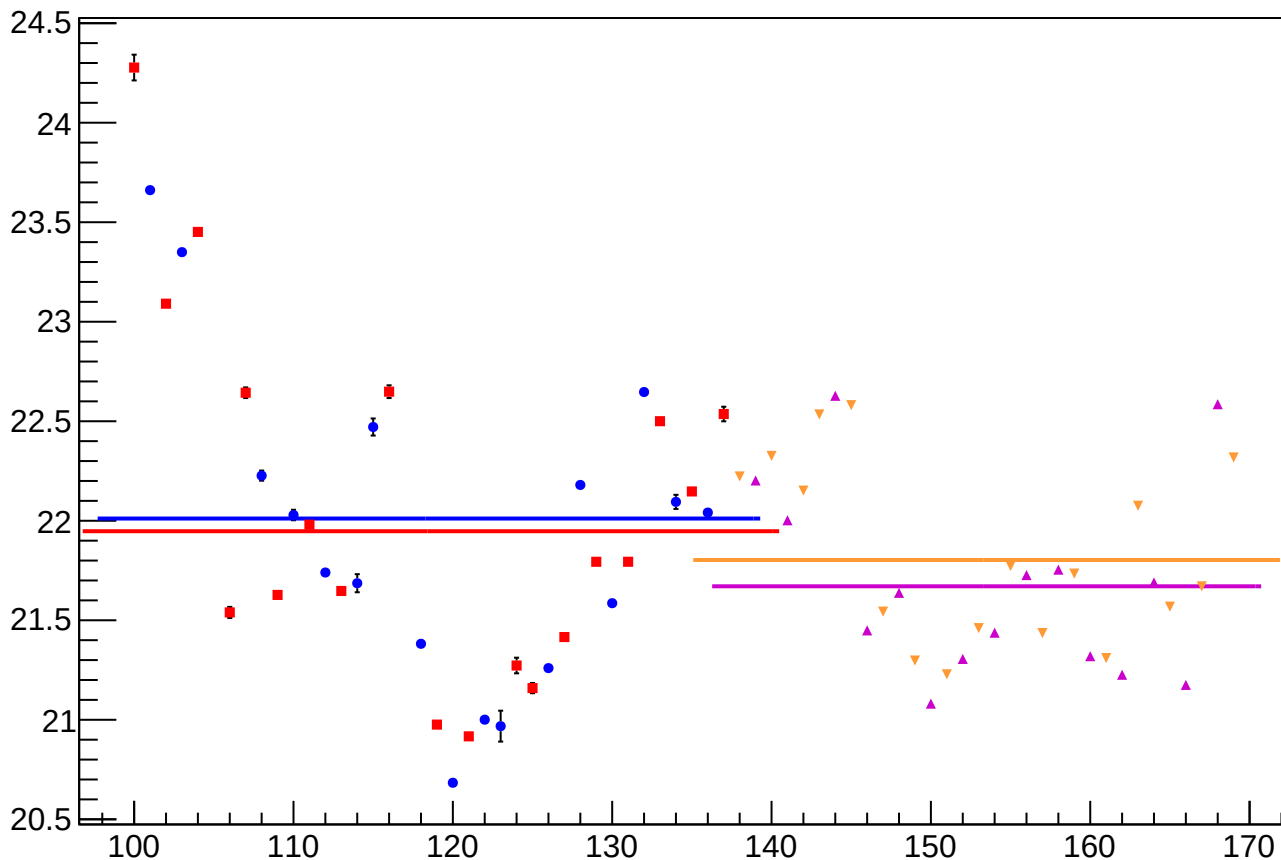
Left In: 11.204 ± 6.338 χ^2/NDF : 14.1/14

+ sign -10.561 ± 4.964 χ^2/NDF : 40.0/33

All: 0.441 ± 3.529 χ^2/NDF : 79.7/67

- sign 11.679 ± 5.017 χ^2/NDF : 29.8/33

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011+/-0.006 χ^2/NDF : 17546.9/16

Left Out: 21.803+/-0.004 χ^2/NDF : 10143.8/16

Right Out: 21.947+/-0.006 χ^2/NDF : 16592.7/18

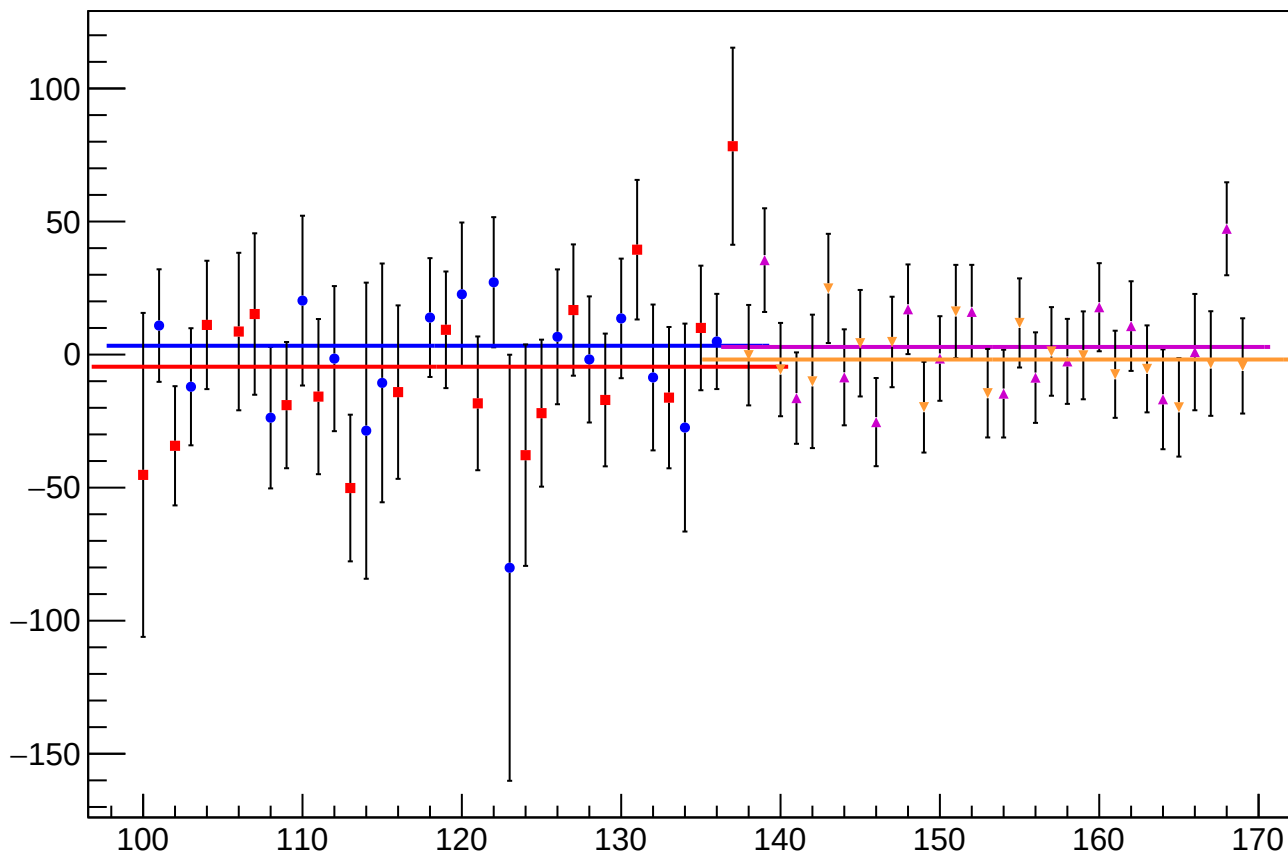
Left In: 21.671+/-0.004 χ^2/NDF : 10940.0/14

+ sign 21.874+/-0.004 χ^2/NDF : 28483.6/33

All: 21.825+/-0.002 χ^2/NDF : 57842.8/67

- sign 21.774+/-0.004 χ^2/NDF : 28956.8/33

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317+/-6.388 χ^2/NDF : 6.3/16

Left Out: -1.850+/-4.334 χ^2/NDF : 6.7/16

Right Out: -4.561+/-6.244 χ^2/NDF : 17.7/18

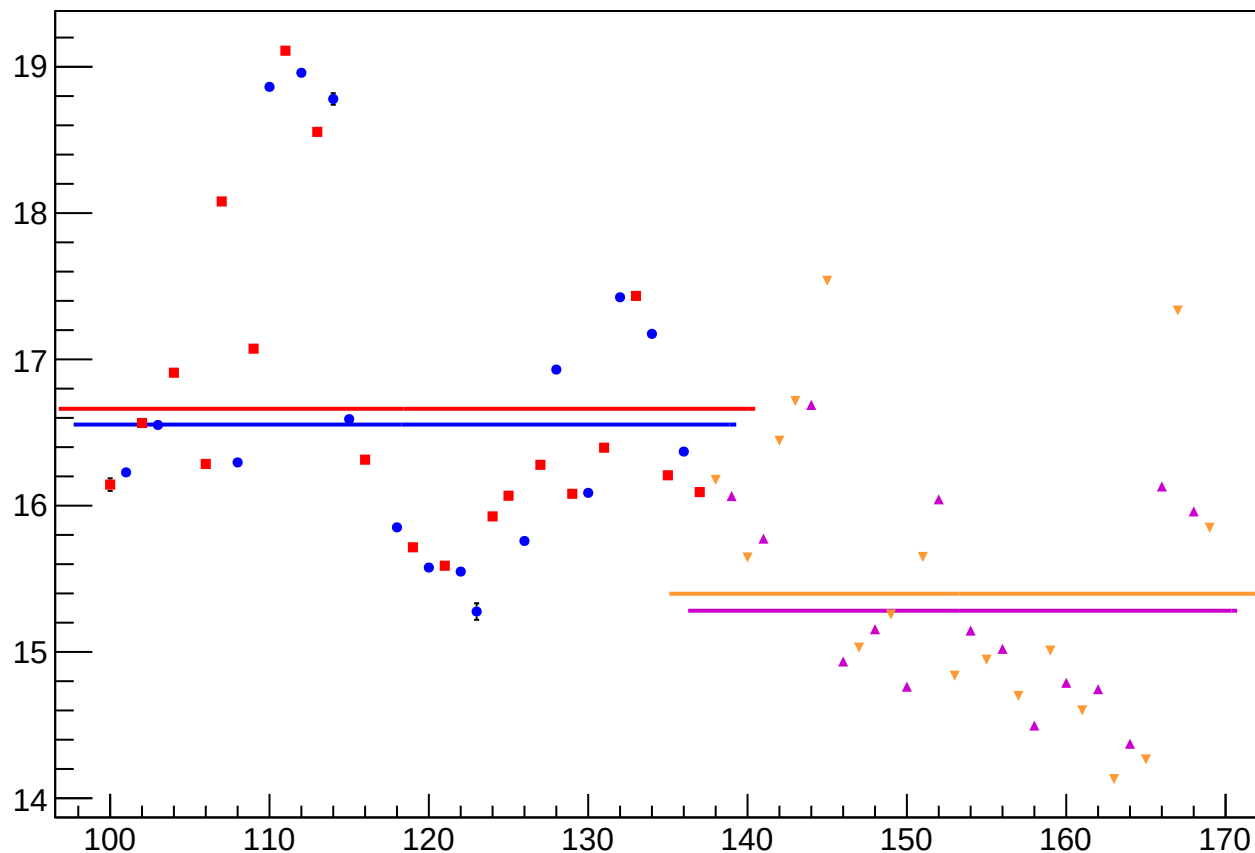
Left In: 2.868+/-4.479 χ^2/NDF : 19.0/14

+ sign -0.221+/-3.587 χ^2/NDF : 13.4/33

All: 0.058+/-2.555 χ^2/NDF : 51.1/67

- sign 0.344+/-3.639 χ^2/NDF : 37.7/33

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.554 $\pm$ 0.005 χ^2 /NDF: 44475.2/16

Left Out: 15.398 $\pm$ 0.003 χ^2 /NDF: 93151.0/16

Right Out: 16.662 $\pm$ 0.004 χ^2 /NDF: 43063.6/18

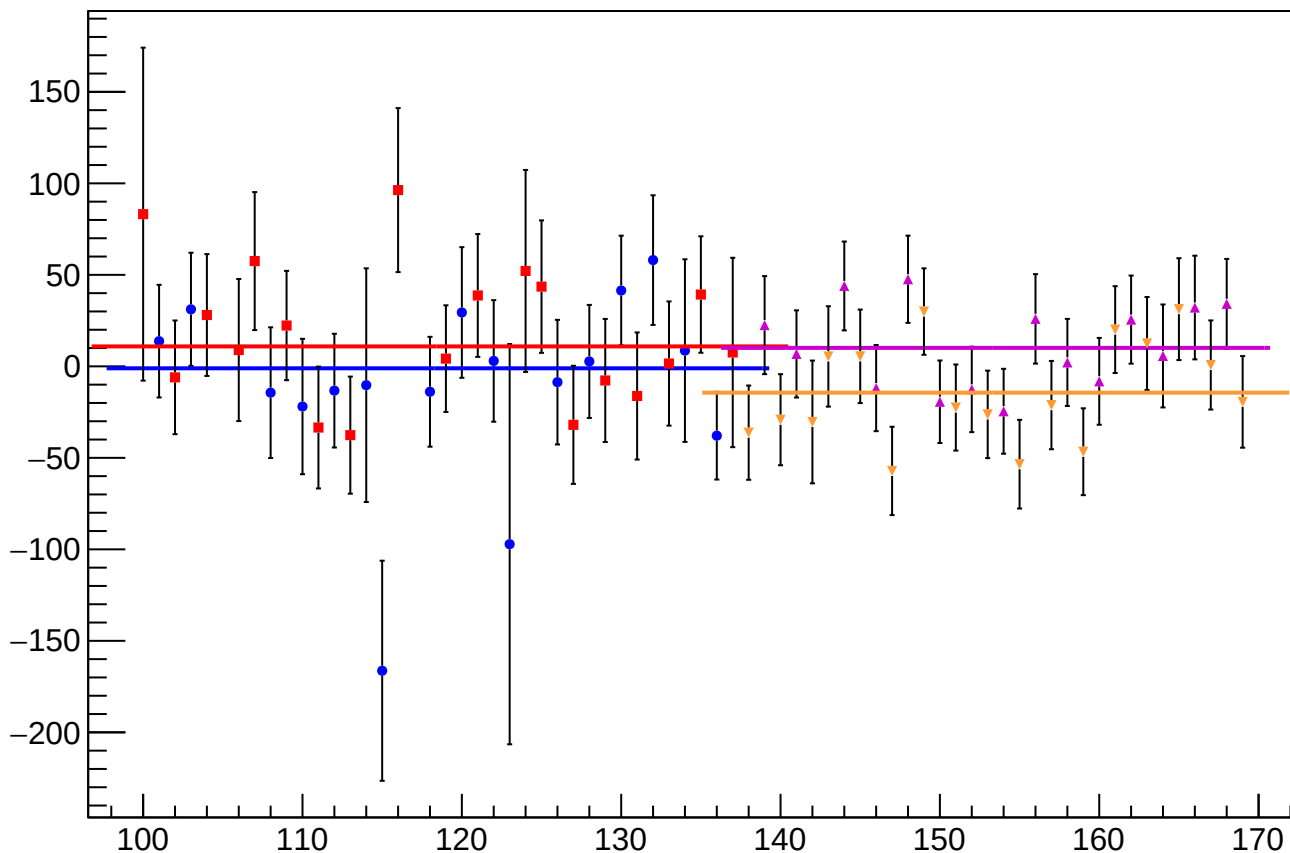
Left In: 15.282 $\pm$ 0.003 χ^2 /NDF: 43856.8/14

+ sign 15.762 $\pm$ 0.003 χ^2 /NDF: 182520.5/33

All: 15.757 $\pm$ 0.002 χ^2 /NDF: 334016.7/67

- sign 15.751 $\pm$ 0.003 χ^2 /NDF: 151485.9/33

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



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

Left Out: -14.384 ± 6.082 χ^2/NDF : 20.3/16

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

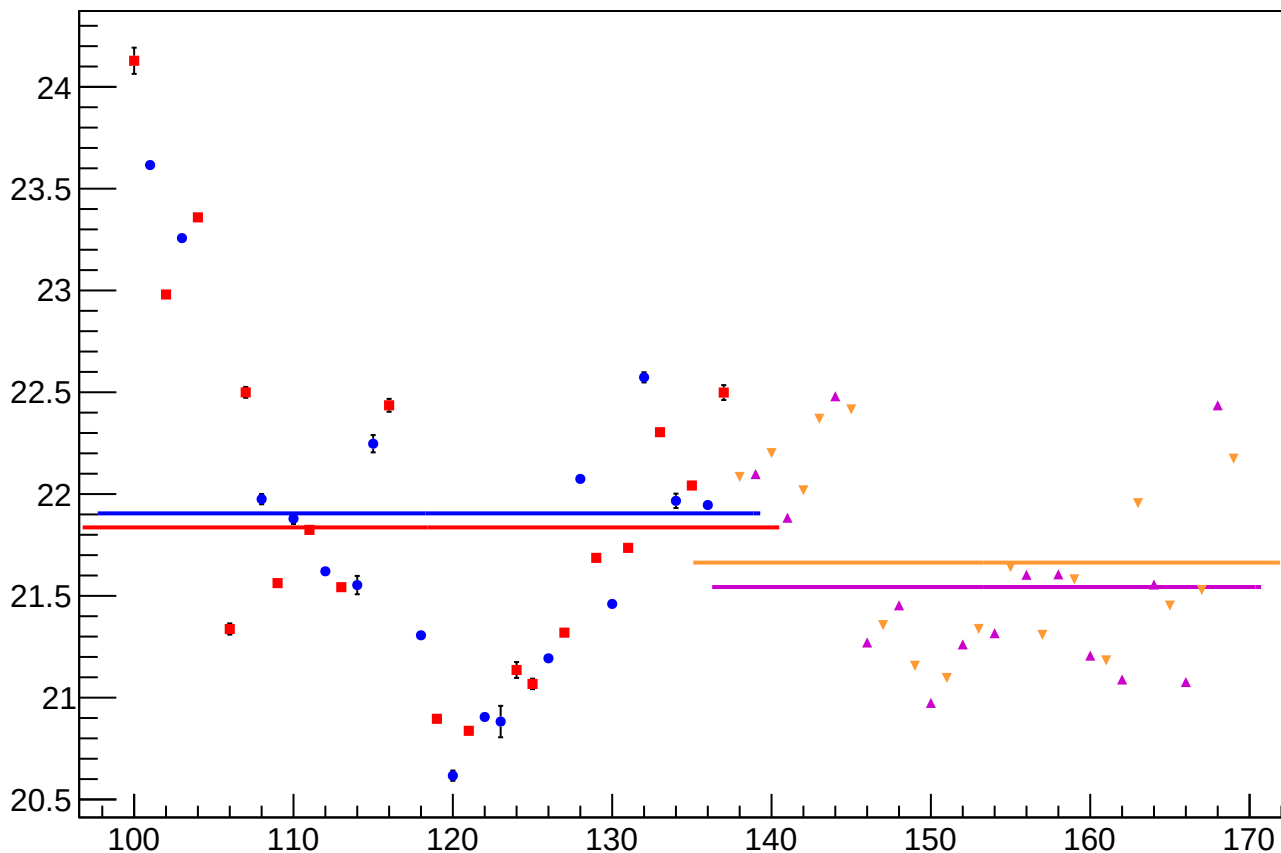
Left In: 10.093 ± 6.300 χ^2/NDF : 13.5/14

+ sign -9.836 ± 4.935 χ^2/NDF : 40.4/33

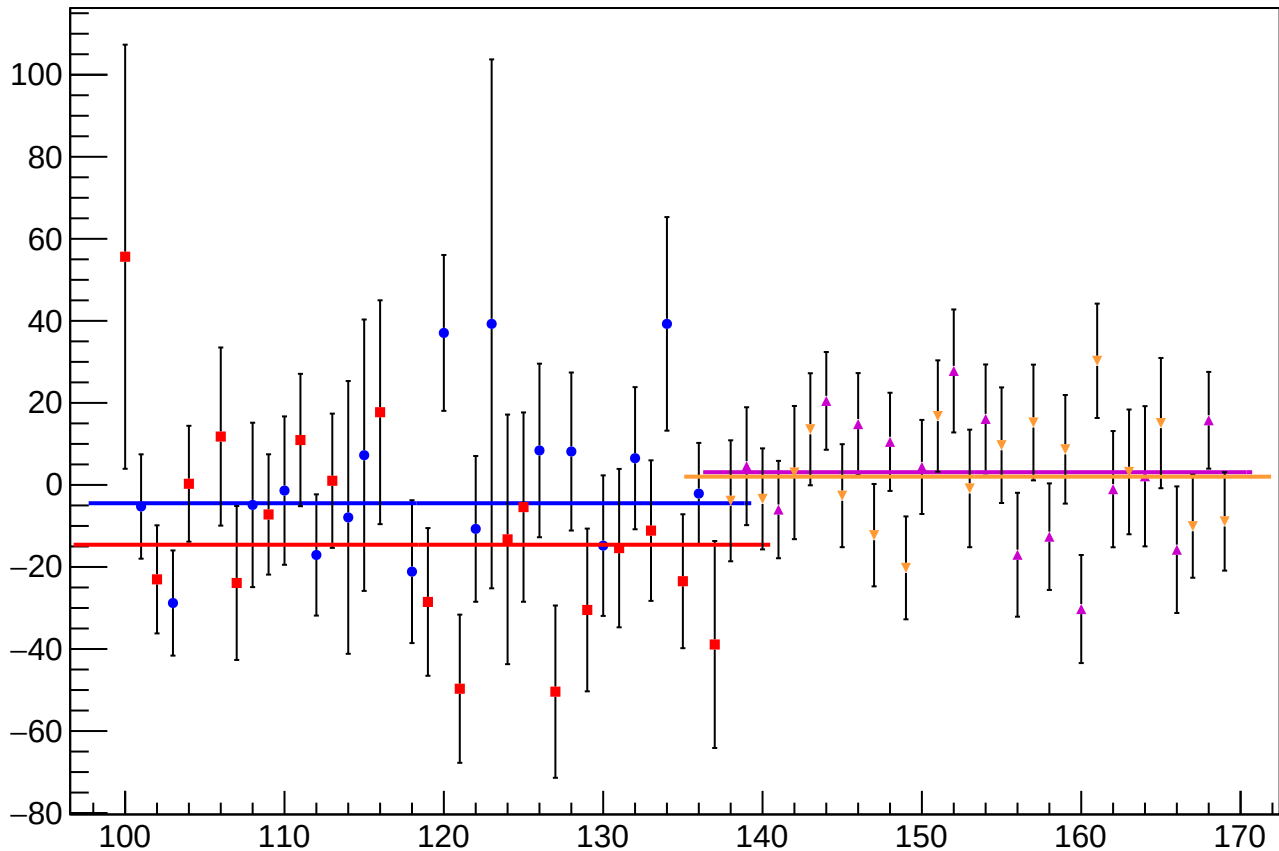
All: 0.169 ± 3.509 χ^2/NDF : 78.5/67

- sign 10.394 ± 4.989 χ^2/NDF : 29.8/33

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.461 ± 4.329 χ^2/NDF : 15.2/16

Left Out: 2.015 ± 3.293 χ^2/NDF : 14.8/16

Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

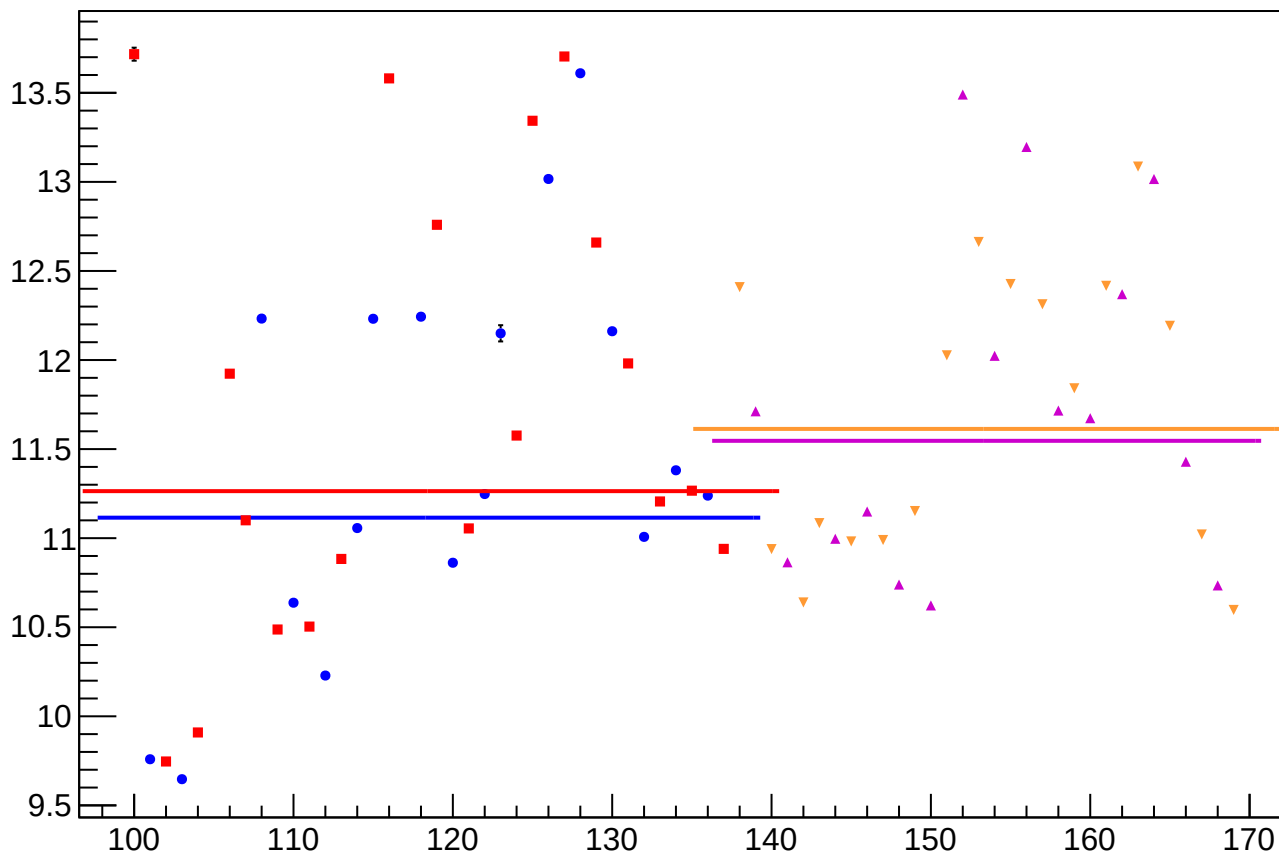
Left In: 3.102 ± 3.409 χ^2/NDF : 20.1/14

+ sign -0.358 ± 2.621 χ^2/NDF : 31.5/33

All: -2.049 ± 1.868 χ^2/NDF : 82.4/67

- sign -3.794 ± 2.663 χ^2/NDF : 50.1/33

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 $\pm$ 0.003 χ^2 /NDF: 133059.3/16

Left Out: 11.613 $\pm$ 0.002 χ^2 /NDF:106375.1/16

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

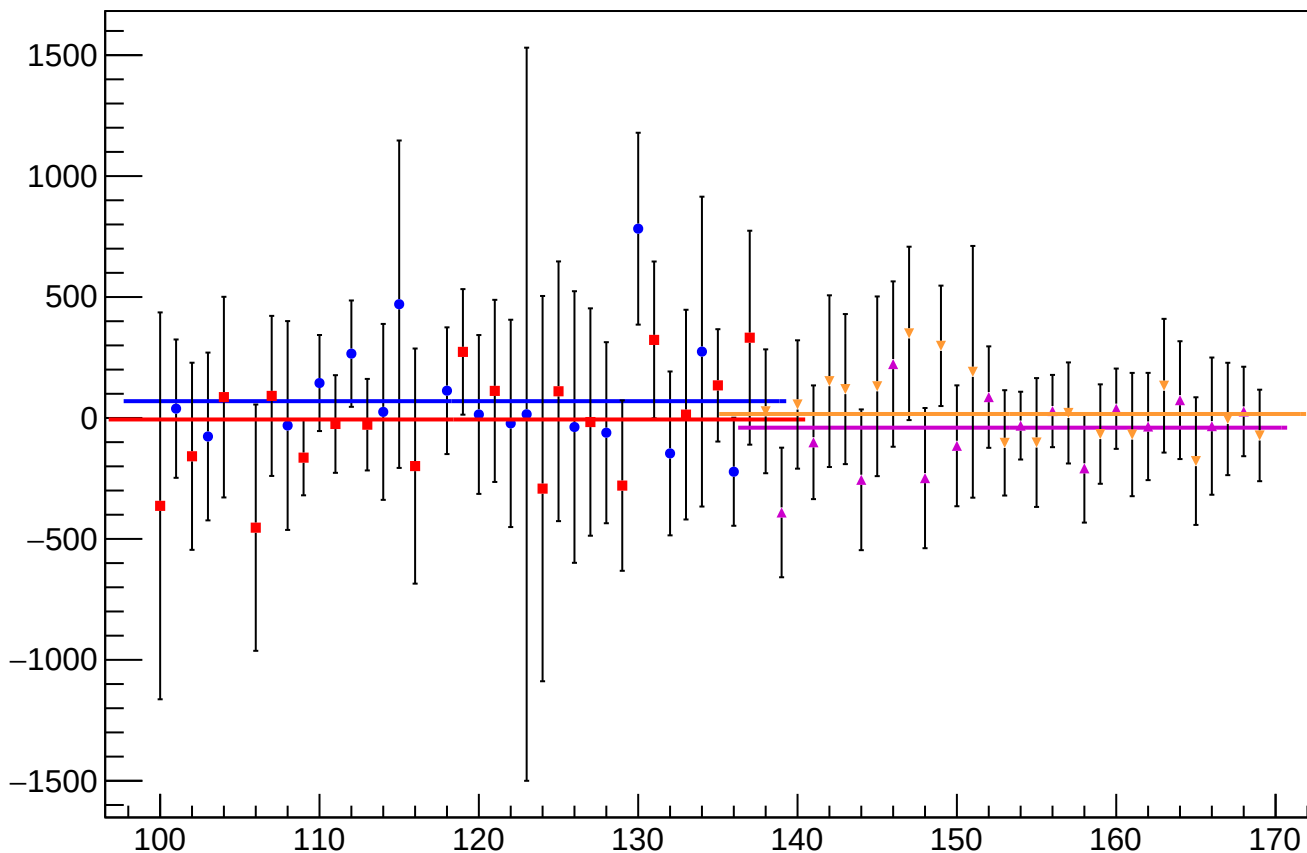
Left In: 11.546 $\pm$ 0.002 χ^2 /NDF:126971.6/14

+ sign 11.431 $\pm$ 0.002 χ^2 /NDF: 256218.6/33

All: 11.433 $\pm$ 0.001 χ^2 /NDF: 536032.4/67

- sign 11.436 $\pm$ 0.002 χ^2 /NDF: 279809.2/33

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470 ± 79.231 χ^2/NDF : 7.3/16

Left Out: 16.501 ± 62.777 χ^2/NDF : 4.4/16

Right Out: -6.194 ± 70.182 χ^2/NDF : 6.5/18

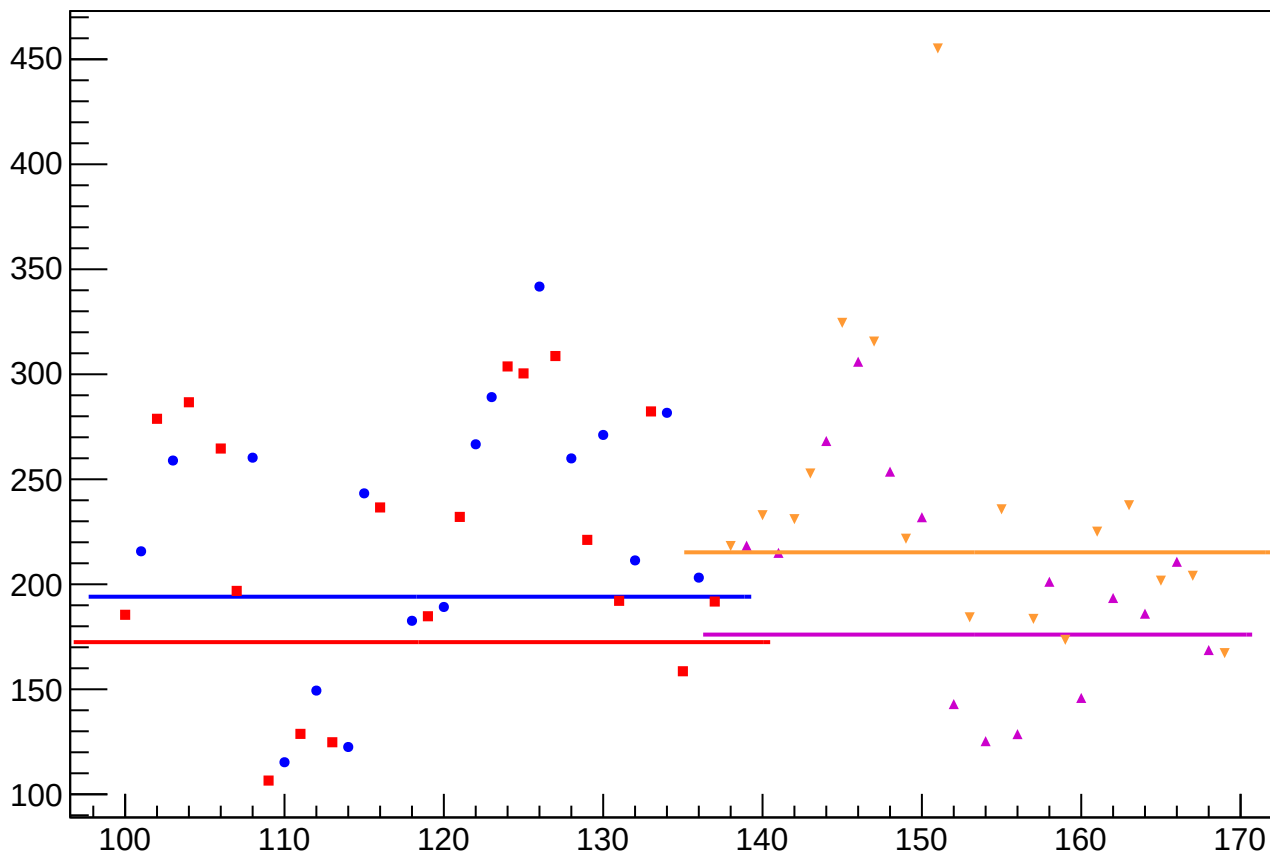
Left In: -40.131 ± 54.734 χ^2/NDF : 5.2/14

+ sign 36.930 ± 49.204 χ^2/NDF : 11.9/33

All: 0.632 ± 32.447 χ^2/NDF : 24.7/67

- sign -27.296 ± 43.160 χ^2/NDF : 11.9/33

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.082 $\pm$ 0.056 χ^2 /NDF: 1005395.7/16

Left Out: 215.222 $\pm$ 0.044 χ^2 /NDF: 1134138.0/16

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

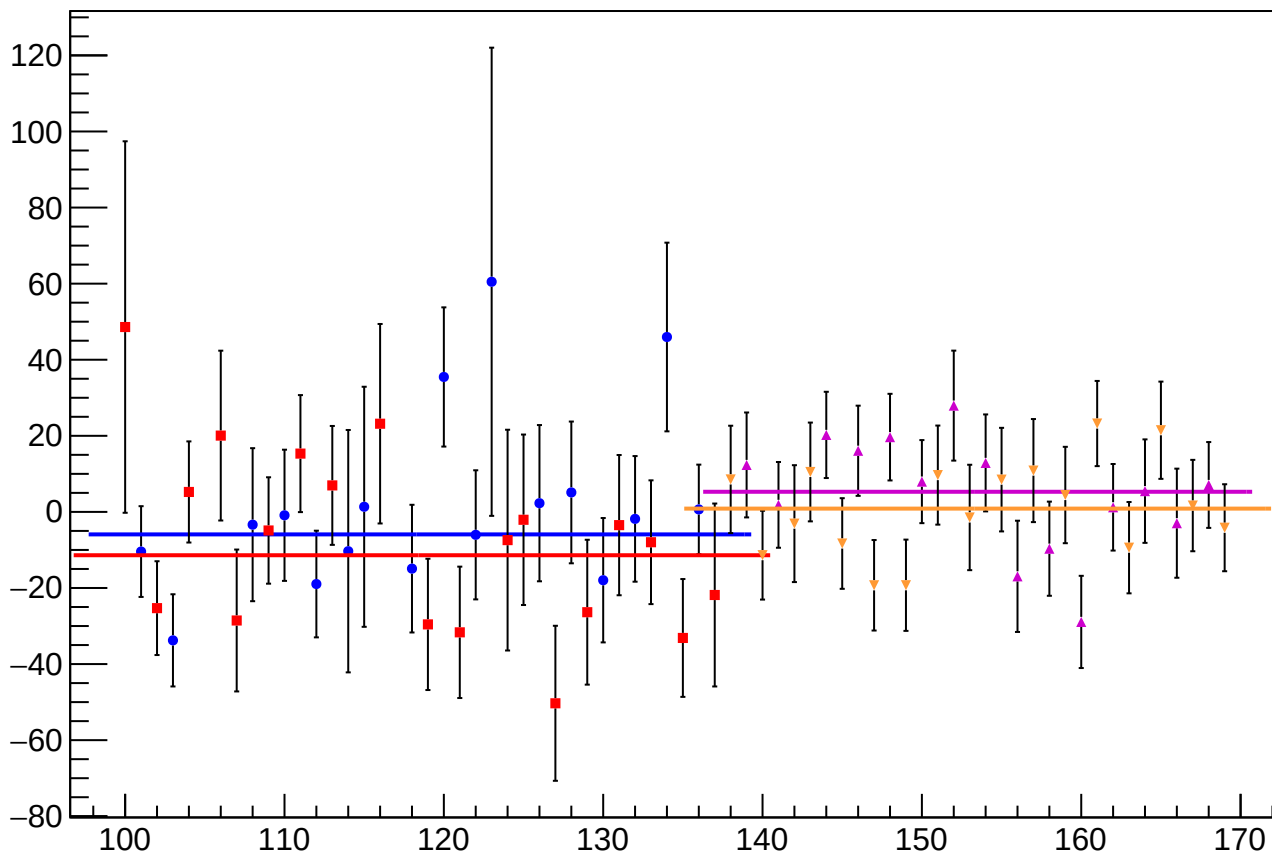
Left In: 176.043 $\pm$ 0.039 χ^2 /NDF: 1491138.8/14

+ sign 207.069 $\pm$ 0.035 χ^2 /NDF: 2227008.2/33

All: 188.767 $\pm$ 0.023 χ^2 /NDF: 5780487.2/67

- sign 174.685 $\pm$ 0.031 χ^2 /NDF: 3063857.8/33

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.912 ± 4.133 χ^2/NDF : 18.8/16

Left Out: 0.866 ± 3.052 χ^2/NDF : 17.2/16

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

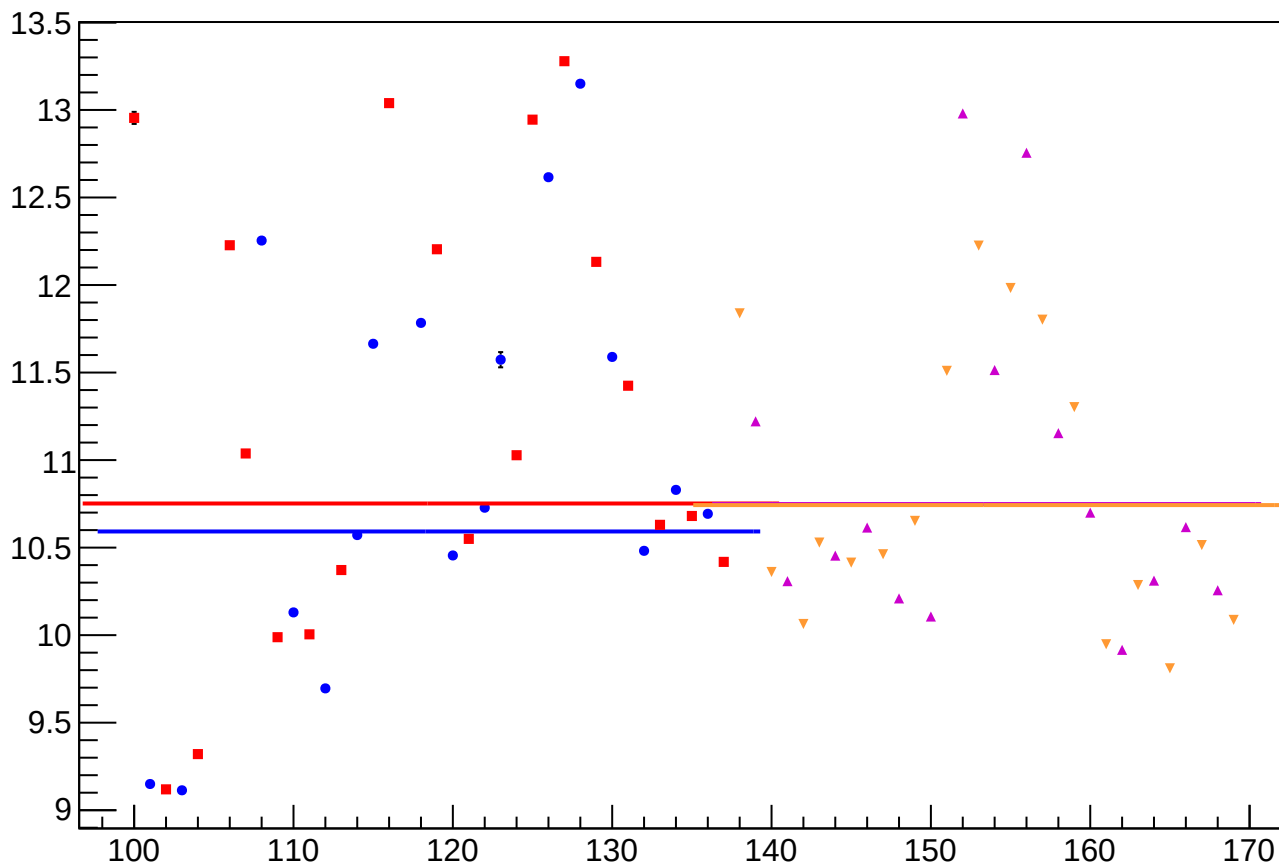
Left In: 5.291 ± 3.179 χ^2/NDF : 19.6/14

+ sign -1.525 ± 2.455 χ^2/NDF : 37.8/33

All: -1.275 ± 1.754 χ^2/NDF : 90.7/67

- sign -1.014 ± 2.507 χ^2/NDF : 52.9/33

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 $\pm$ 0.003 χ^2 /NDF: 160397.9/16

Left Out: 10.743 $\pm$ 0.002 χ^2 /NDF: 114871.3/16

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 176895.3/18

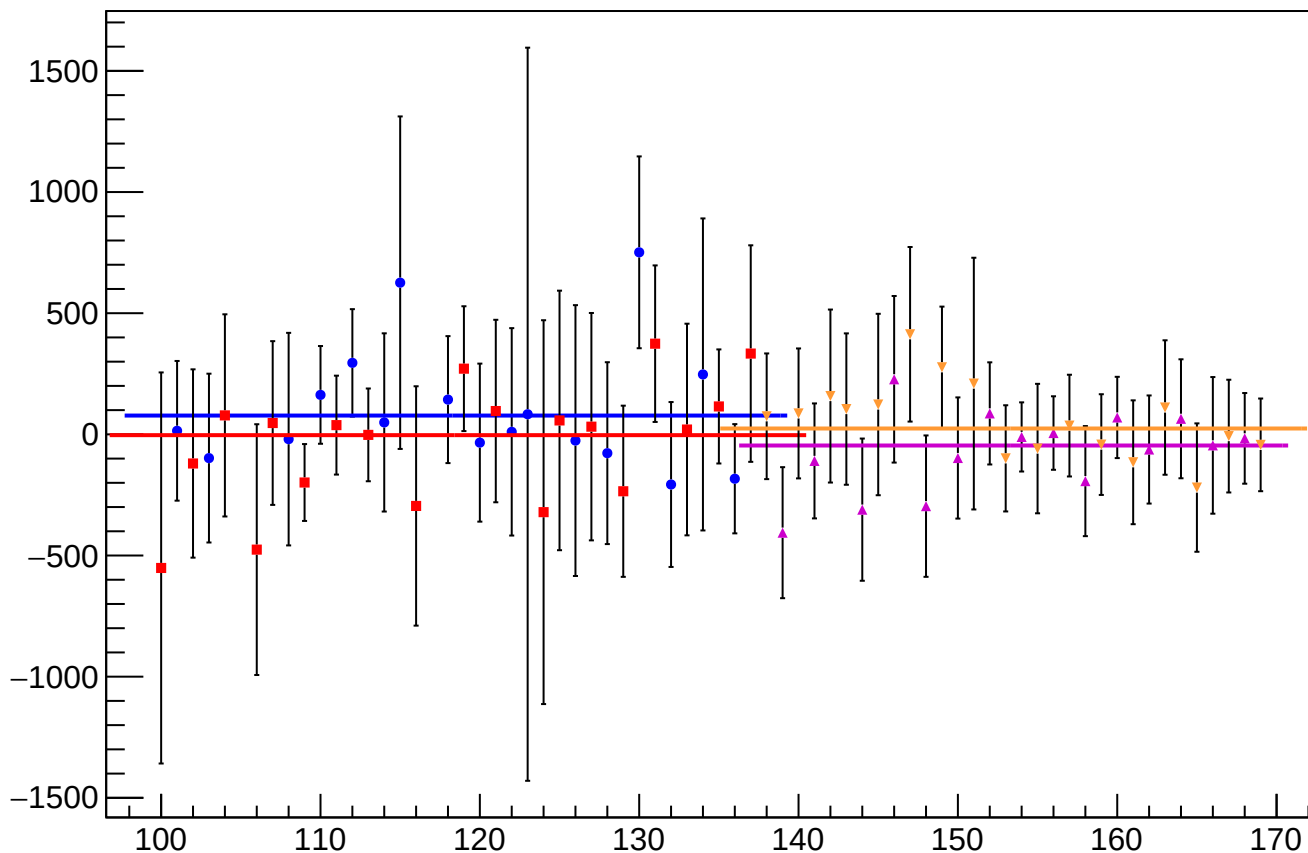
Left In: 10.749 $\pm$ 0.002 χ^2 /NDF: 129896.6/14

+ sign 10.690 $\pm$ 0.002 χ^2 /NDF: 276990.0/33

All: 10.719 $\pm$ 0.001 χ^2 /NDF: 584373.4/67

- sign 10.750 $\pm$ 0.002 χ^2 /NDF: 306792.7/33

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 77.589 $\pm$ 79.751 χ^2 /NDF: 7.6/16

Left Out: 24.165 $\pm$ 63.192 χ^2 /NDF: 4.6/16

Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

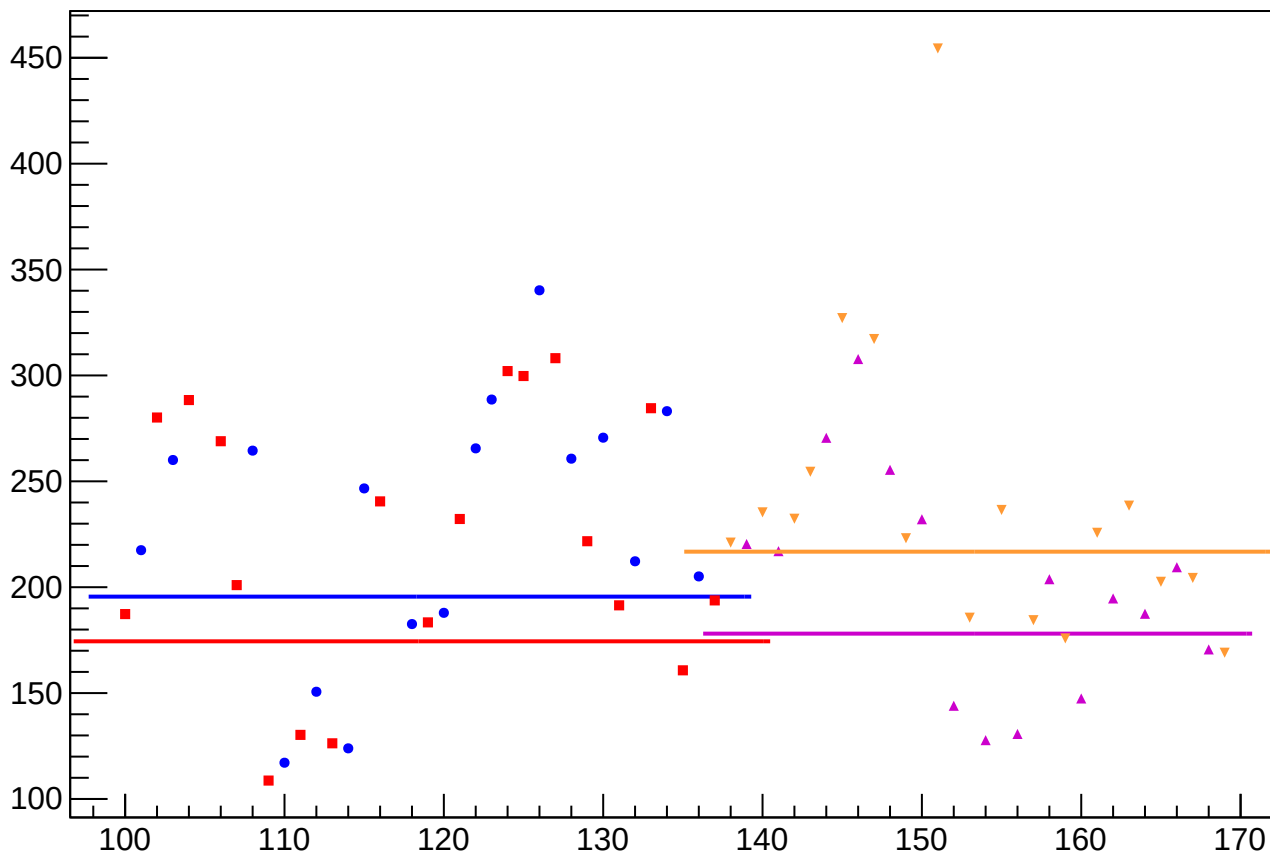
Left In: -46.028 $\pm$ 55.288 χ^2 /NDF: 5.8/14

+ sign 44.770 $\pm$ 49.529 χ^2 /NDF: 12.4/33

All: 2.714 $\pm$ 32.721 χ^2 /NDF: 27.0/67

- sign -29.860 $\pm$ 43.588 χ^2 /NDF: 13.3/33

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.551 $\pm$ 0.056 χ^2 /NDF: 979937.7/16

Left Out: 216.782 $\pm$ 0.045 χ^2 /NDF: 1119278.5/16

Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

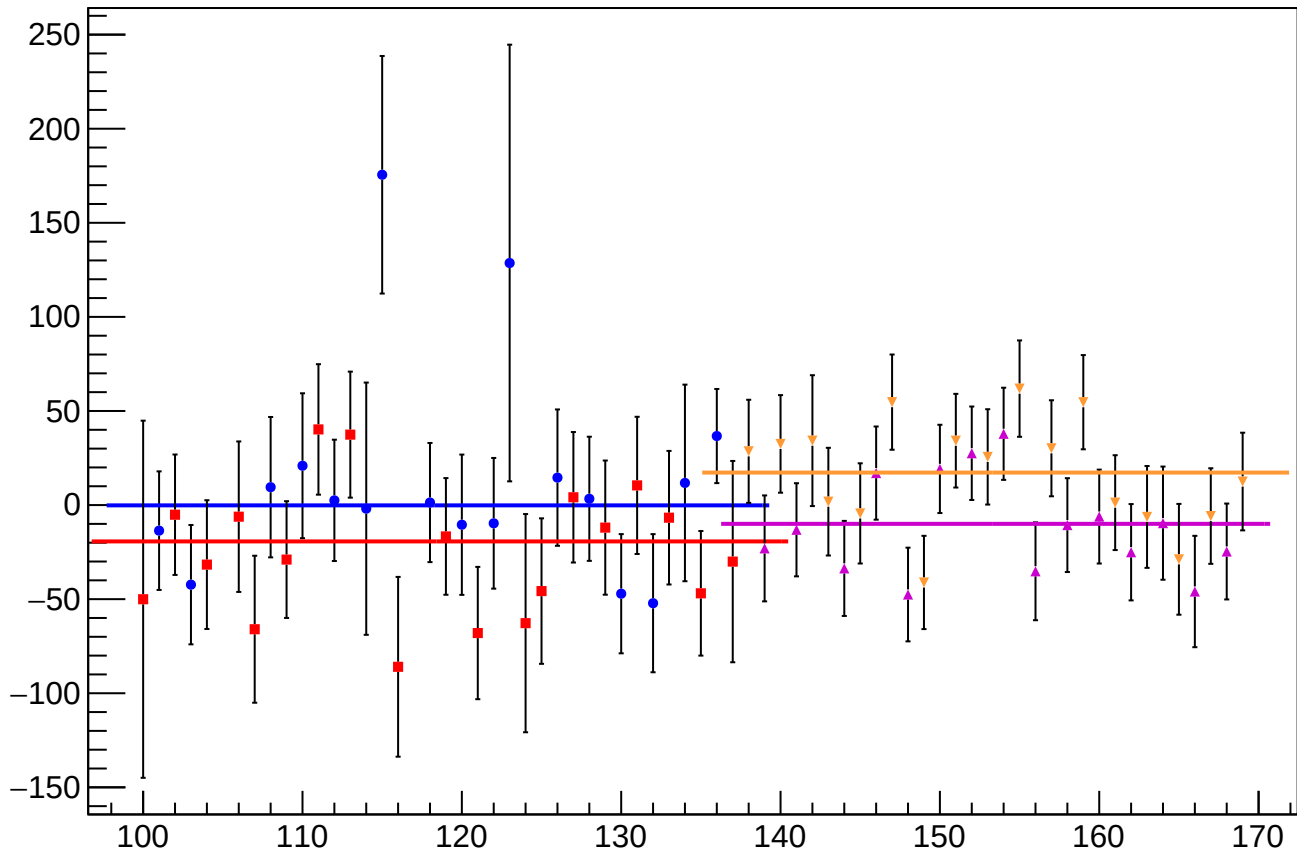
Left In: 178.075 $\pm$ 0.039 χ^2 /NDF: 1450096.3/14

+ sign 208.593 $\pm$ 0.035 χ^2 /NDF: 2186288.0/33

All: 190.622 $\pm$ 0.023 χ^2 /NDF: 5635523.5/67

- sign 176.703 $\pm$ 0.031 χ^2 /NDF: 2981981.0/33

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158 ± 8.826 χ^2/NDF : 18.1/16

Left Out: 17.271 ± 6.398 χ^2/NDF : 20.0/16

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

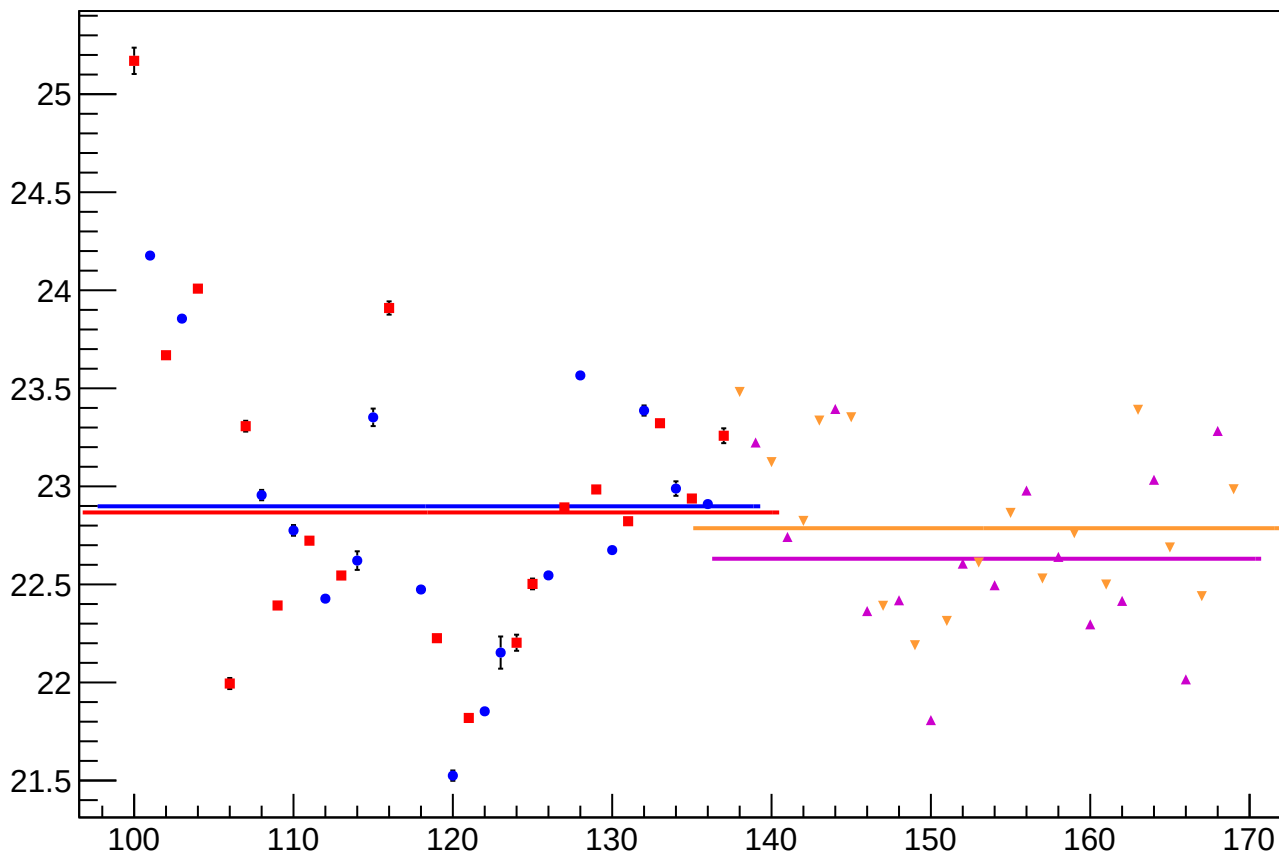
Left In: -9.981 ± 6.619 χ^2/NDF : 15.3/14

+ sign 11.267 ± 5.180 χ^2/NDF : 40.6/33

All: -0.975 ± 3.682 χ^2/NDF : 82.8/67

- sign -13.477 ± 5.235 χ^2/NDF : 30.9/33

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: 22.787 $\pm$ 0.005 χ^2/NDF : 7722.6/16

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

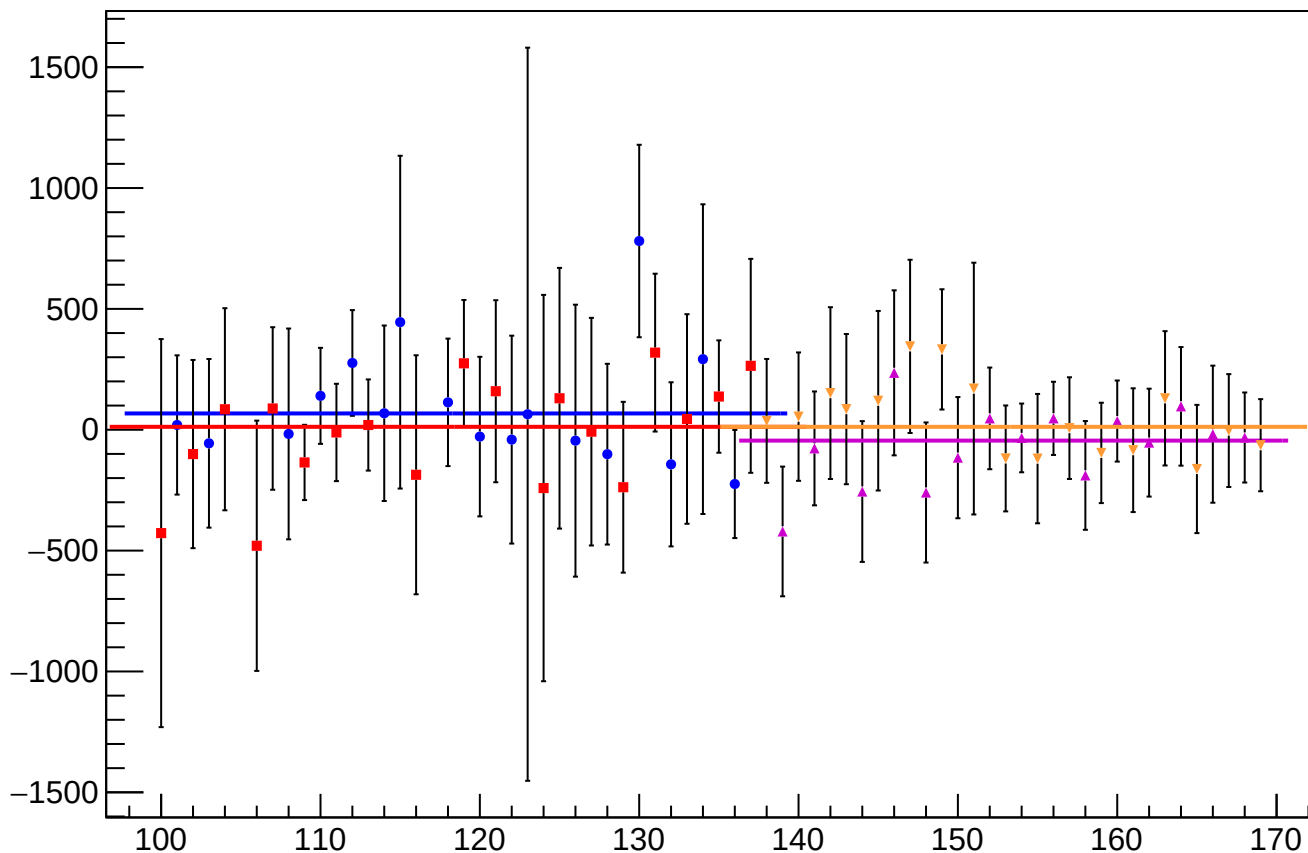
Left In: 22.631 $\pm$ 0.005 χ^2/NDF : 9048.1/14

+ sign 22.825 $\pm$ 0.004 χ^2/NDF : 20075.8/33

All: 22.773 $\pm$ 0.003 χ^2/NDF : 41537.9/67

- sign 22.719 $\pm$ 0.004 χ^2/NDF : 21049.3/33

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.449+/-79.404 χ^2/NDF : 7.4/16

Left Out: 12.013+/-63.060 χ^2/NDF : 4.7/16

Right Out: 12.117+/-70.355 χ^2/NDF : 5.8/18

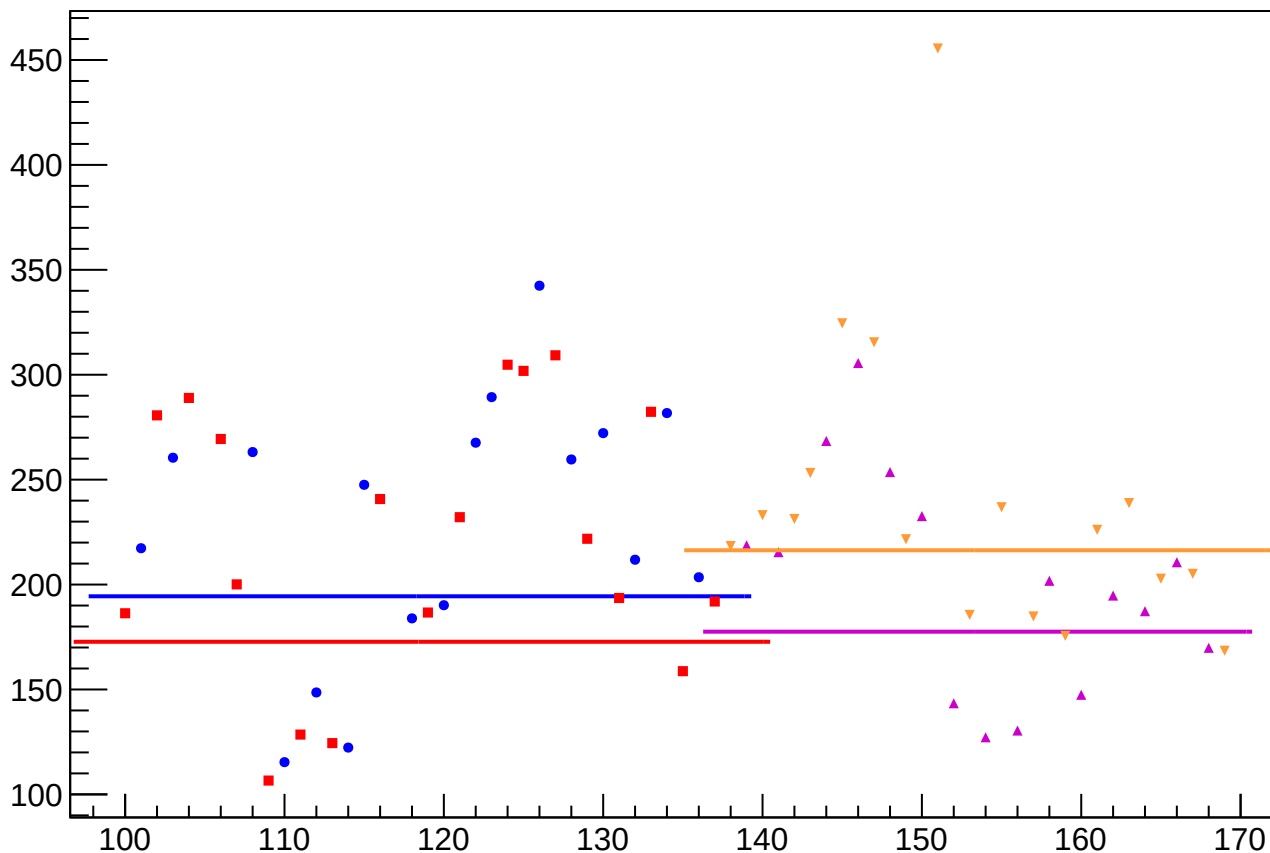
Left In: -44.944+/-55.124 χ^2/NDF : 5.4/14

+ sign 33.454+/-49.382 χ^2/NDF : 12.4/33

All: 1.462+/-32.596 χ^2/NDF : 24.7/67

- sign -23.239+/-43.392 χ^2/NDF : 11.5/33

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411 $\pm$ 0.056 χ^2 /NDF: 1019913.2/16

Left Out: 216.341 $\pm$ 0.045 χ^2 /NDF:1110391.5/16

Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

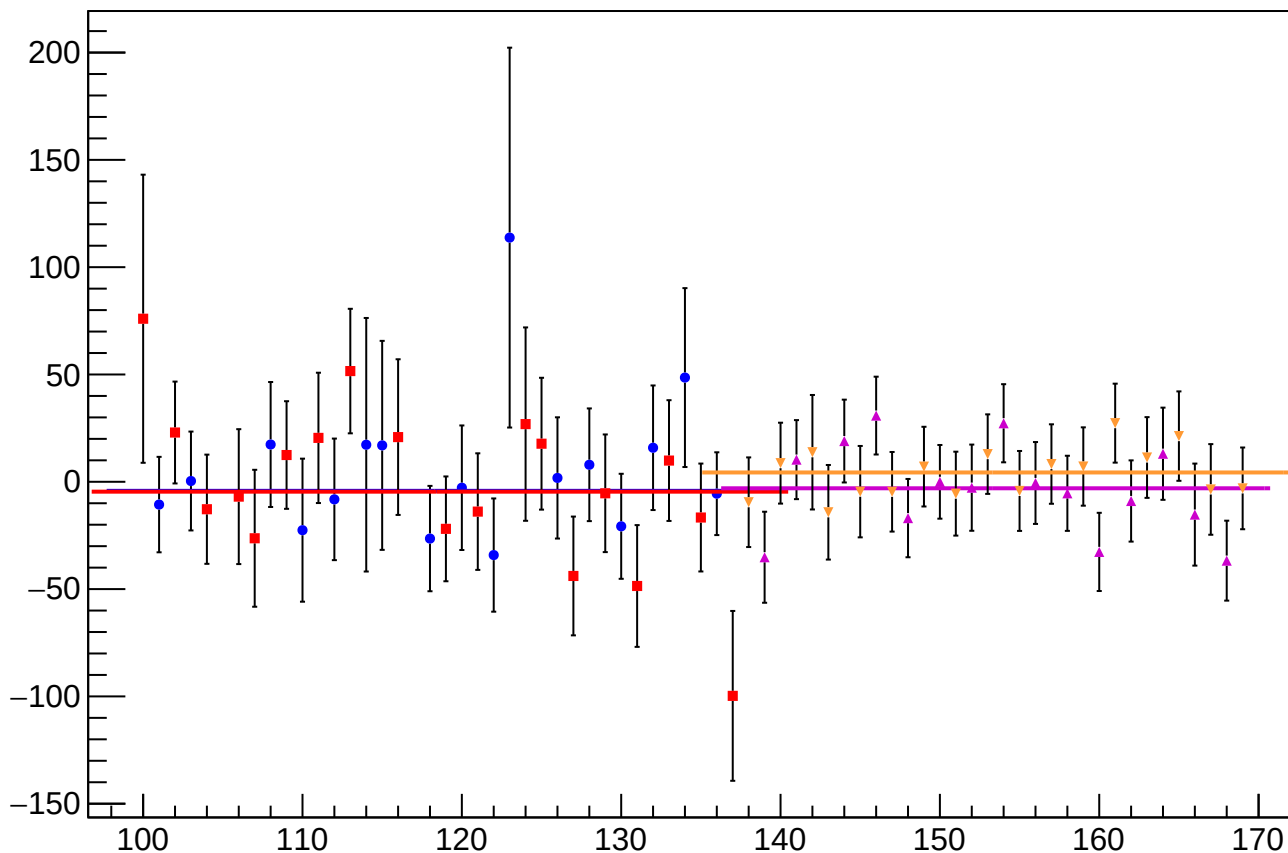
Left In: 177.546 $\pm$ 0.039 χ^2 /NDF:1439745.5/14

+ sign 207.859 $\pm$ 0.035 χ^2 /NDF: 2223863.9/33

All: 189.720 $\pm$ 0.023 χ^2 /NDF: 5744401.2/67

- sign 175.714 $\pm$ 0.031 χ^2 /NDF: 3042310.7/33

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 ± 6.871 χ^2/NDF : 8.0/16

Left Out: 4.344 ± 4.767 χ^2/NDF : 5.2/16

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

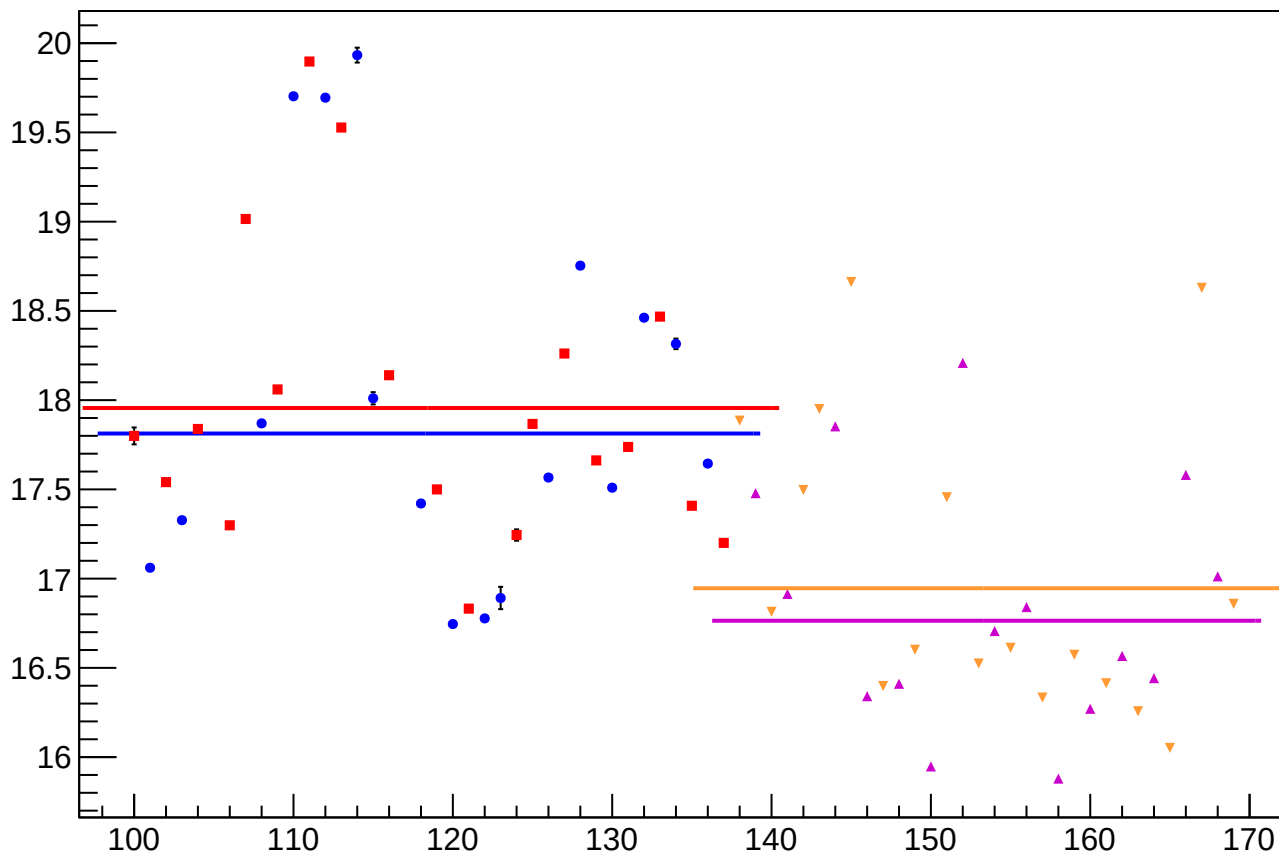
Left In: -3.027 ± 4.913 χ^2/NDF : 17.9/14

+ sign 1.560 ± 3.917 χ^2/NDF : 14.2/33

All: -0.974 ± 2.787 χ^2/NDF : 54.1/67

- sign -3.574 ± 3.967 χ^2/NDF : 39.0/33

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.813 $\pm$ 0.005 χ^2 /NDF: 32034.8/16

Left Out: 16.946 $\pm$ 0.003 χ^2 /NDF: 51423.8/16

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25445.3/18

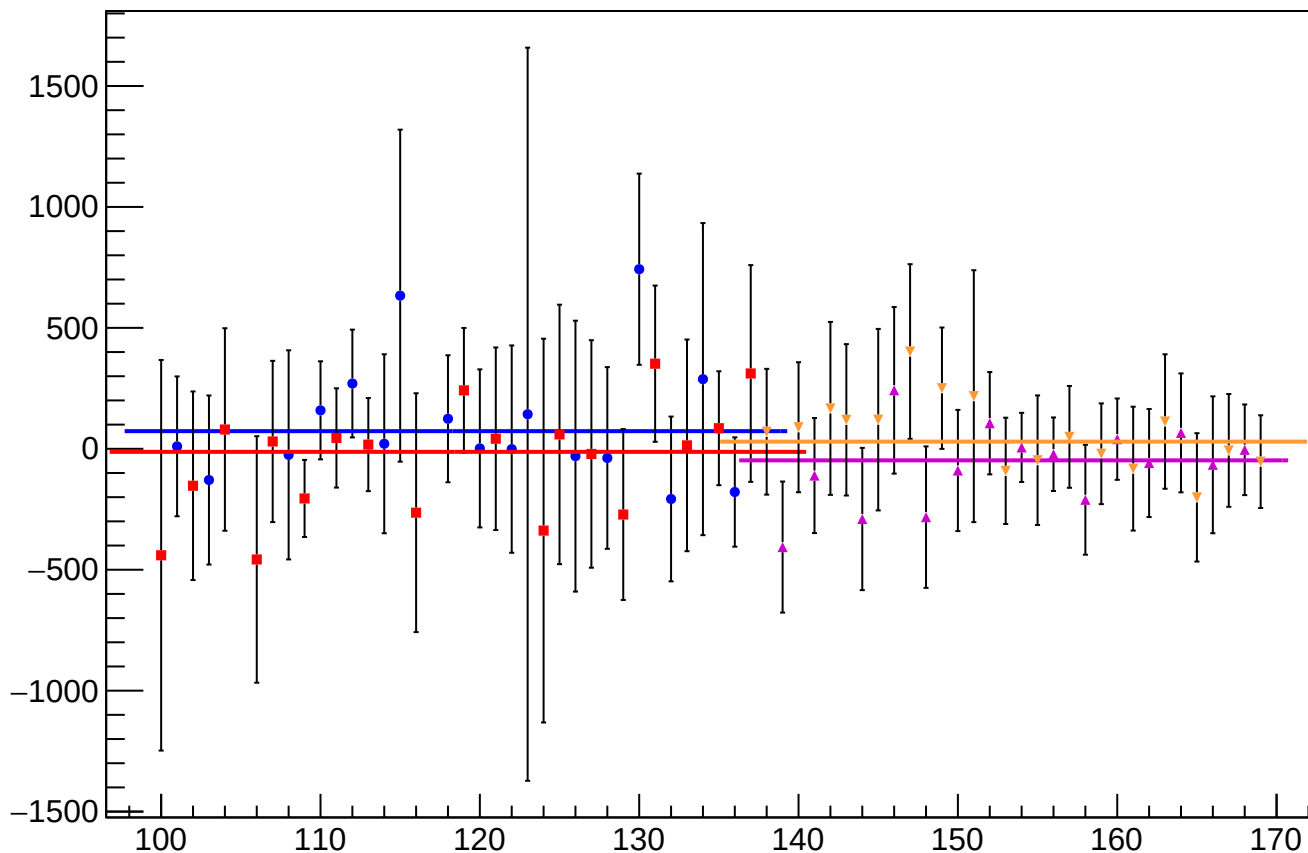
Left In: 16.764 $\pm$ 0.003 χ^2 /NDF: 35497.4/14

+ sign 17.228 $\pm$ 0.003 χ^2 /NDF: 104941.2/33

All: 17.204 $\pm$ 0.002 χ^2 /NDF: 206998.9/67

- sign 17.179 $\pm$ 0.003 χ^2 /NDF: 101902.9/33

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: 29.724 $\pm$ 63.333 χ^2 /NDF: 4.0/16

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

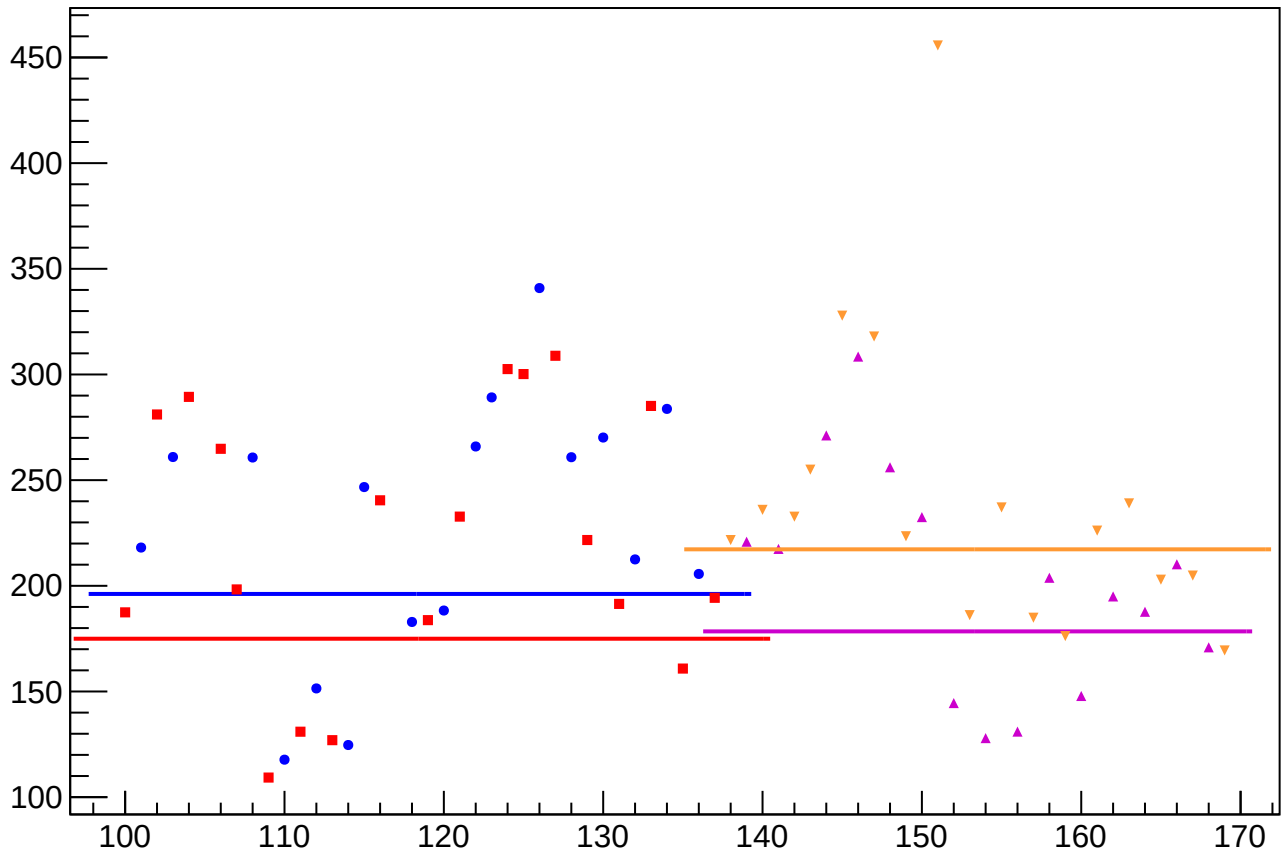
Left In: -47.781 $\pm$ 55.400 χ^2 /NDF: 5.6/14

+ sign 46.367 $\pm$ 49.644 χ^2 /NDF: 11.4/33

All: 0.811 $\pm$ 32.793 χ^2 /NDF: 25.5/67

- sign -34.457 $\pm$ 43.680 χ^2 /NDF: 12.5/33

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151+/-0.057 χ^2/NDF : 964998.4/16

Left Out: 217.262+/-0.045 χ^2/NDF : 1119458.6/16

Right Out: 174.965+/-0.050 χ^2/NDF : 1510956.5/18

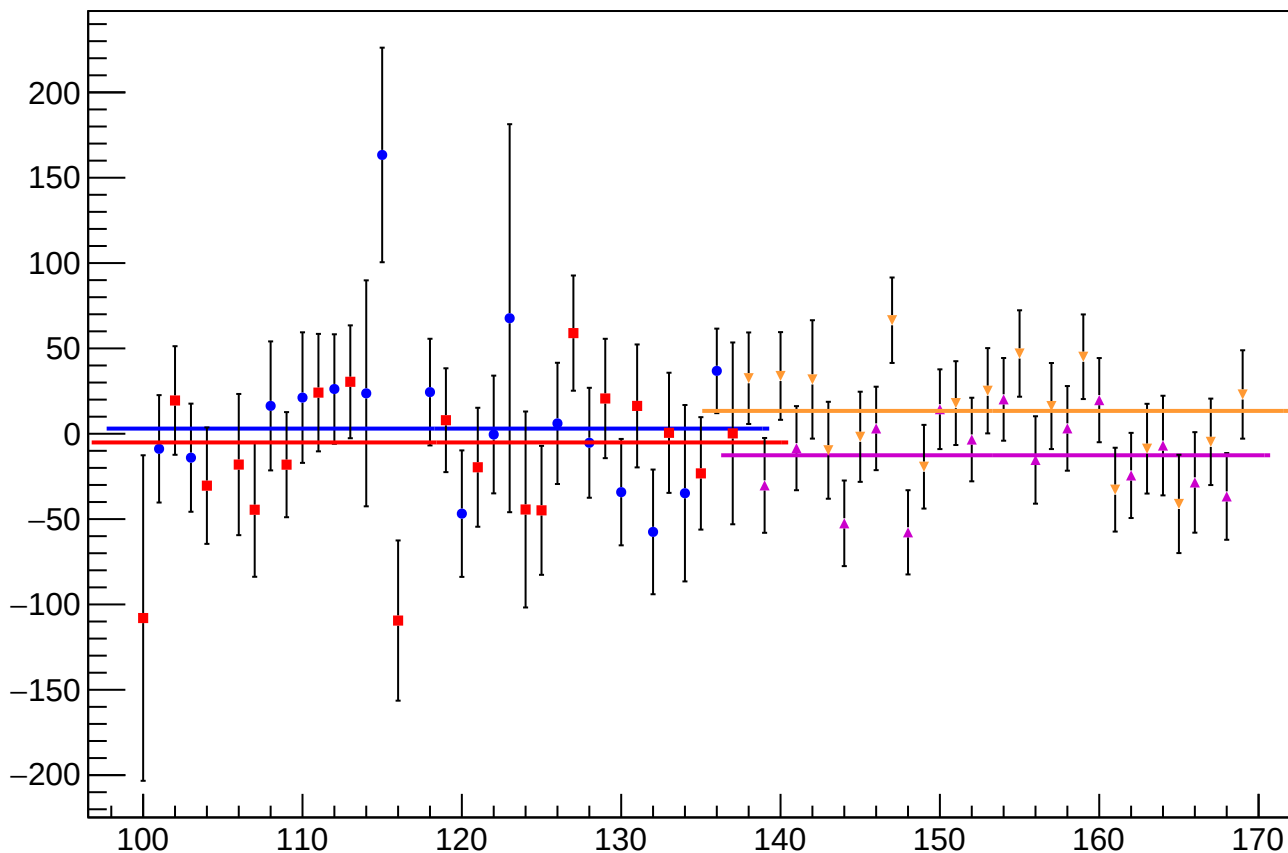
Left In: 178.435+/-0.039 χ^2/NDF : 1449830.7/14

+ sign 209.122+/-0.035 χ^2/NDF : 2170145.1/33

All: 191.086+/-0.023 χ^2/NDF : 5602297.6/67

- sign 177.122+/-0.031 χ^2/NDF : 2963756.3/33

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 $\pm$ 8.751 χ^2 /NDF: 17.2/16

Left Out: 13.385 $\pm$ 6.317 χ^2 /NDF:20.8/16

Right Out: -5.092 $\pm$ 8.477 χ^2 /NDF: 17.2/18

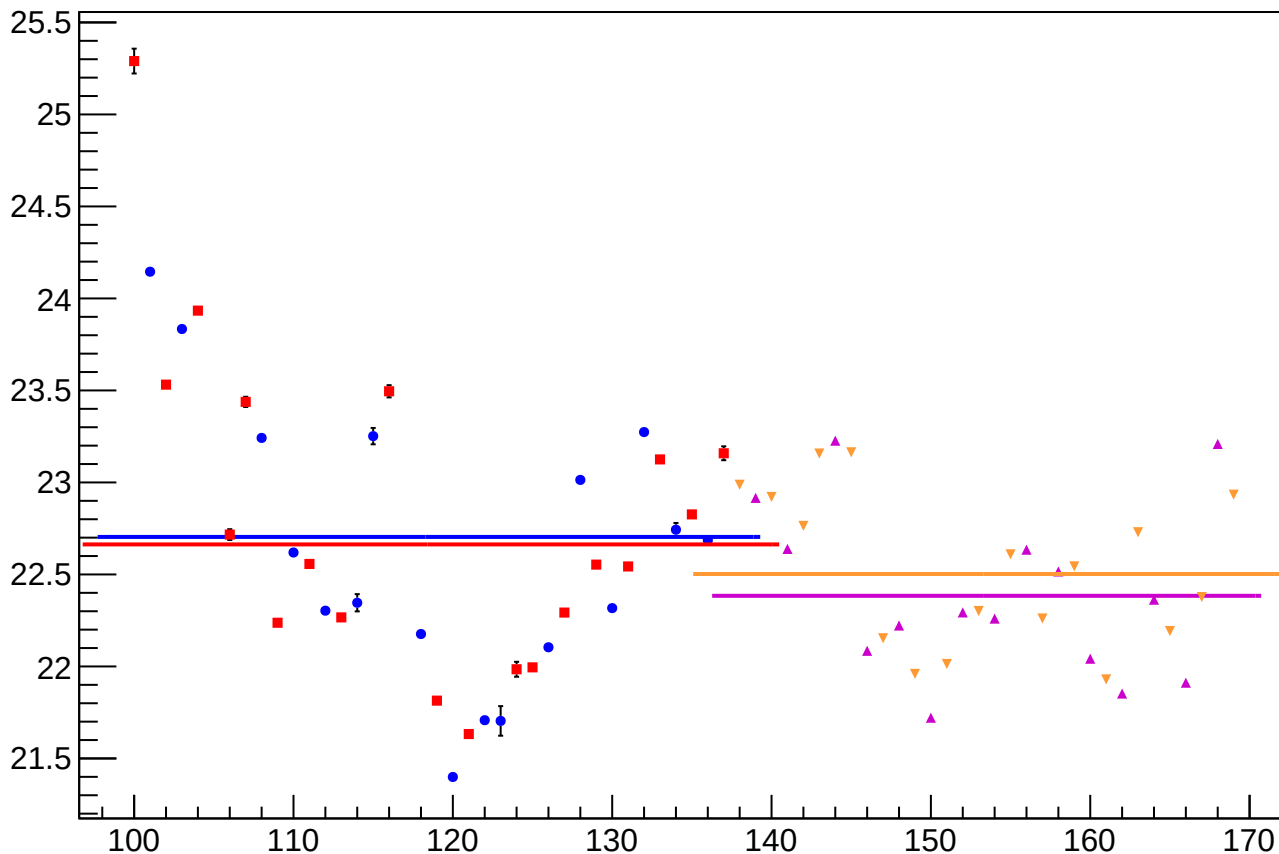
Left In: -12.608 $\pm$ 6.546 χ^2 /NDF:13.6/14

+ sign 9.835 $\pm$ 5.122 χ^2 /NDF: 38.9/33

All: 0.130 $\pm$ 3.643 χ^2 /NDF: 77.5/67

- sign -9.800 $\pm$ 5.181 χ^2 /NDF: 31.3/33

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704 $\pm$ 0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.502 $\pm$ 0.004 χ^2 /NDF: 8207.4/16

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

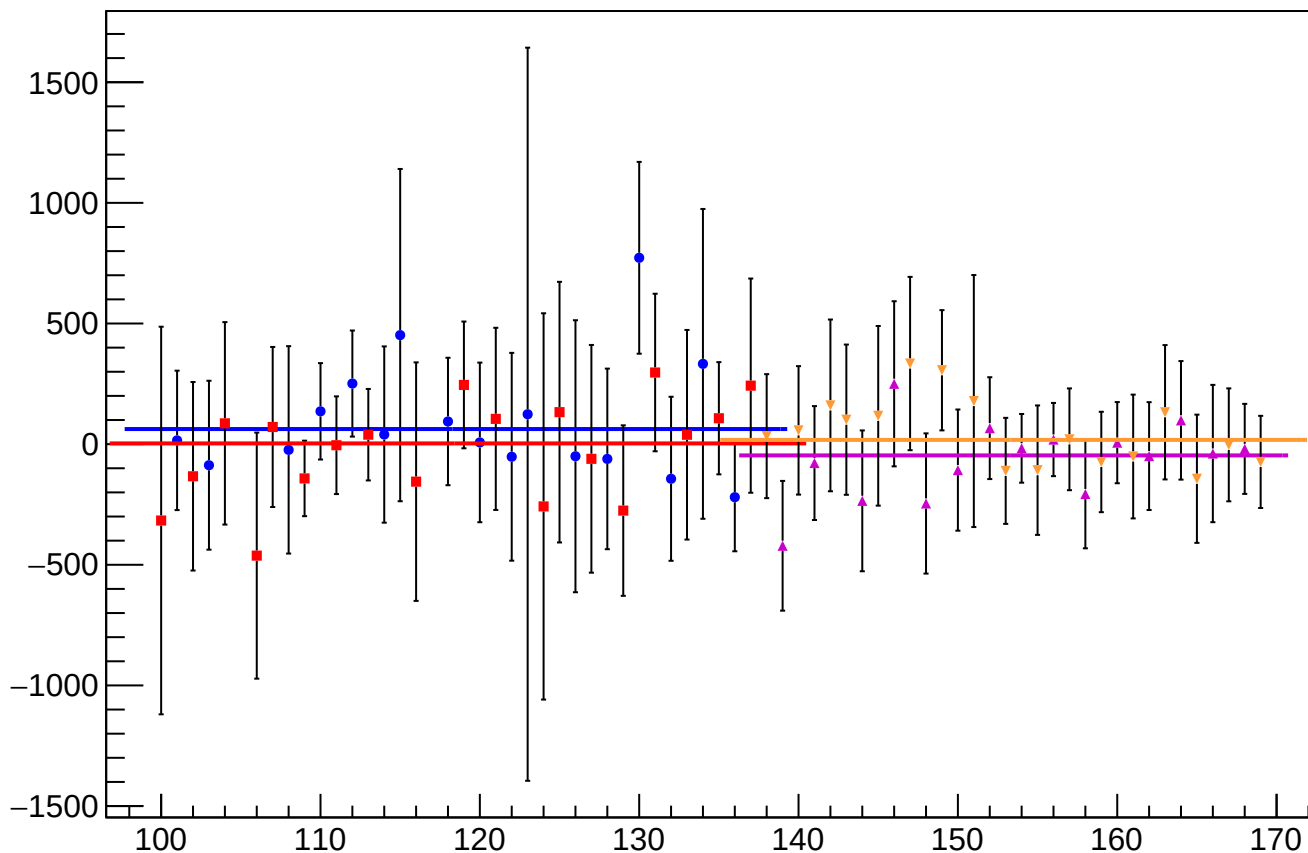
Left In: 22.384 $\pm$ 0.005 χ^2 /NDF: 9449.3/14

+ sign 22.571 $\pm$ 0.004 χ^2 /NDF: 23010.5/33

All: 22.530 $\pm$ 0.003 χ^2 /NDF: 47023.7/67

- sign 22.488 $\pm$ 0.004 χ^2 /NDF: 23752.5/33

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573 $\pm$ 79.605 χ^2 /NDF: 7.0/16

Left Out: 17.646 $\pm$ 63.200 χ^2 /NDF: 4.1/16

Right Out: 3.038 $\pm$ 70.518 χ^2 /NDF: 5.2/18

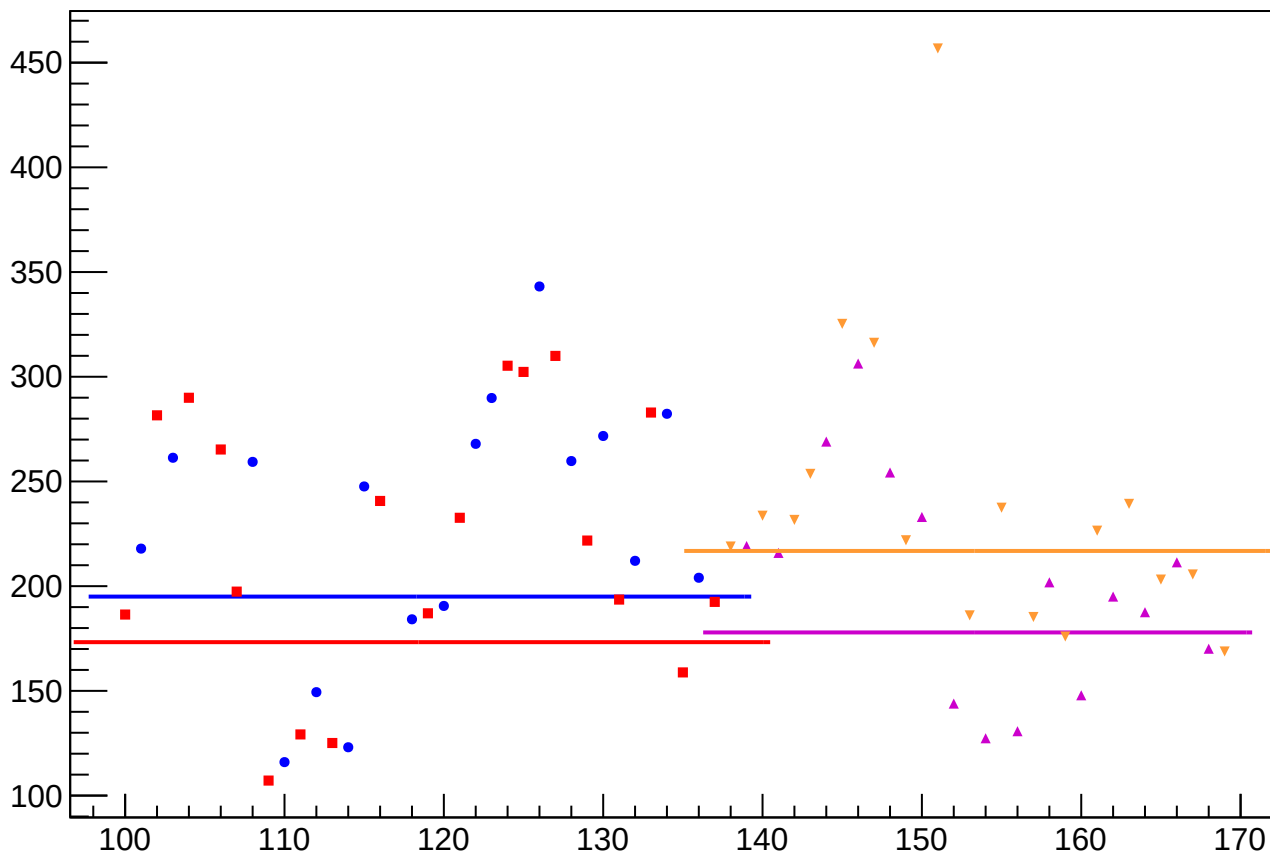
Left In: -46.628 $\pm$ 55.236 χ^2 /NDF: 5.1/14

+ sign 35.016 $\pm$ 49.497 χ^2 /NDF: 11.4/33

All: -0.405 $\pm$ 32.668 χ^2 /NDF: 23.0/67

- sign -27.743 $\pm$ 43.484 χ^2 /NDF: 10.7/33

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.022 $\pm$ 0.056 χ^2 /NDF: 1004284.9/16

Left Out: 216.821 $\pm$ 0.045 χ^2 /NDF:1110587.4/16

Right Out: 173.262 $\pm$ 0.050 χ^2 /NDF: 1578202.7/18

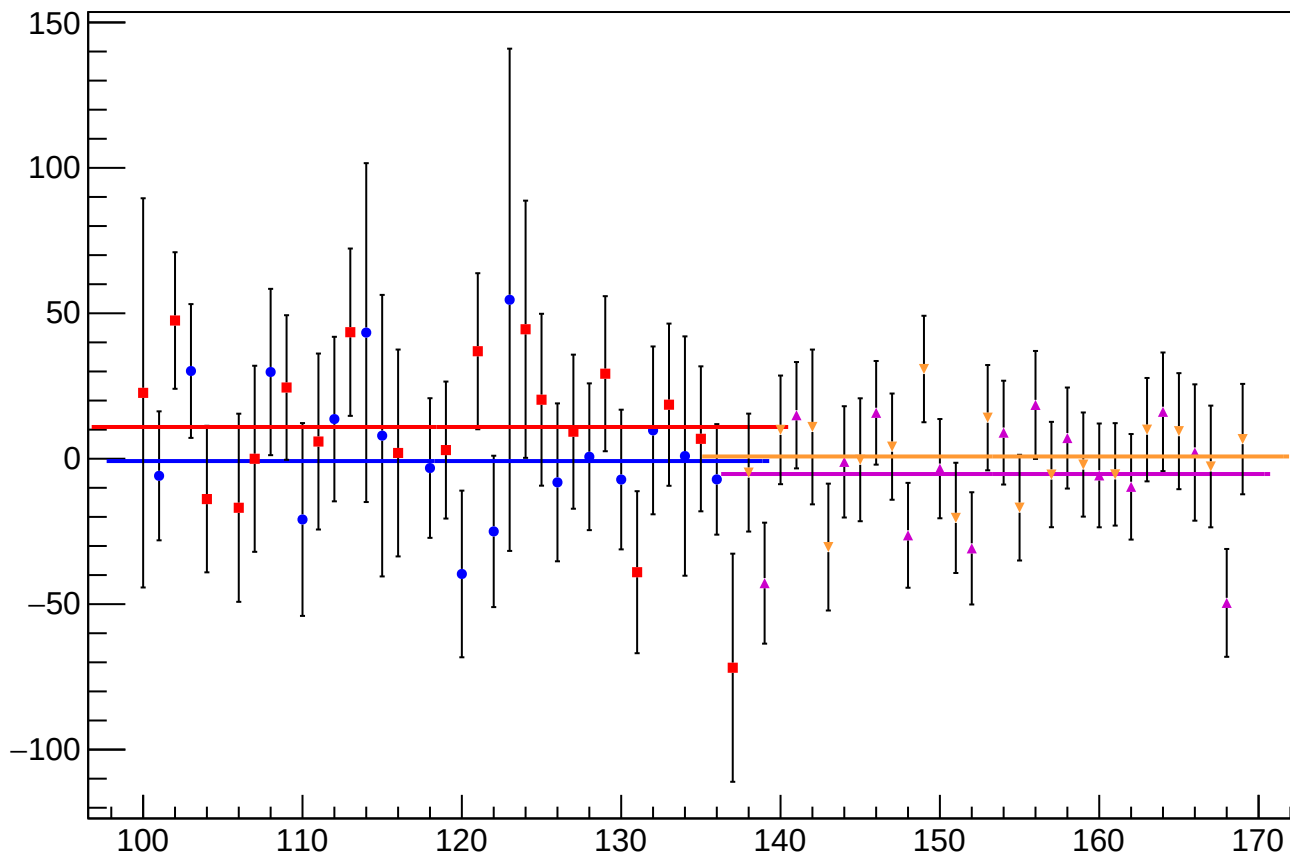
Left In: 177.904 $\pm$ 0.039 χ^2 /NDF:1439572.7/14

+ sign 208.393 $\pm$ 0.035 χ^2 /NDF: 2206866.7/33

All: 190.189 $\pm$ 0.023 χ^2 /NDF: 5709330.5/67

- sign 176.139 $\pm$ 0.031 χ^2 /NDF: 3023148.0/33

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 ± 6.770 χ^2/NDF : 7.8/16

Left Out: 0.773 ± 4.661 χ^2/NDF : 8.8/16

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

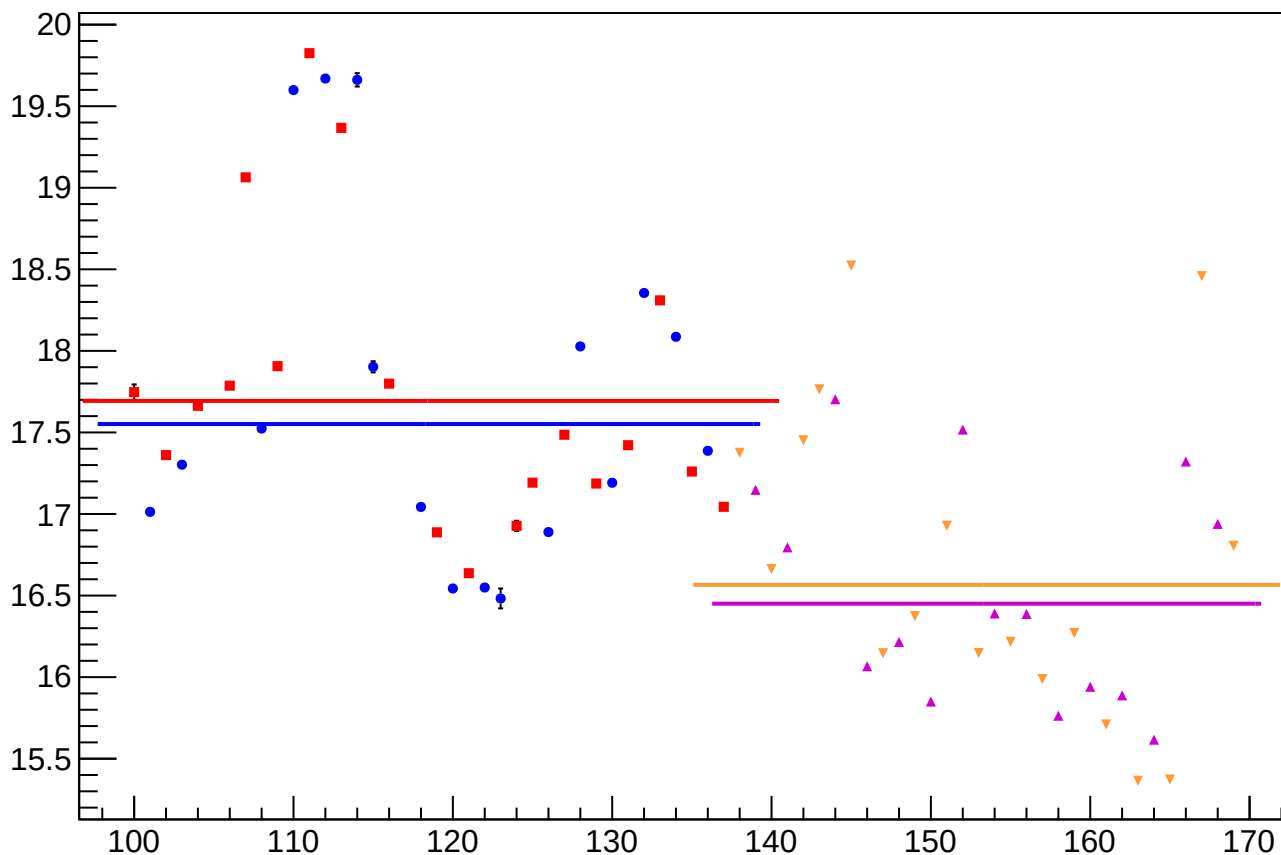
Left In: -5.257 ± 4.819 χ^2/NDF : 18.8/14

+ sign 0.267 ± 3.839 χ^2/NDF : 16.6/33

All: 0.302 ± 2.735 χ^2/NDF : 55.2/67

- sign 0.337 ± 3.898 χ^2/NDF : 38.6/33

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 ± 0.005 $\chi^2/\text{NDF}: 34027.1/16$

Left Out: 16.566 ± 0.003 $\chi^2/\text{NDF}: 72737.5/16$

Right Out: 17.693 ± 0.005 $\chi^2/\text{NDF}: 30742.0/18$

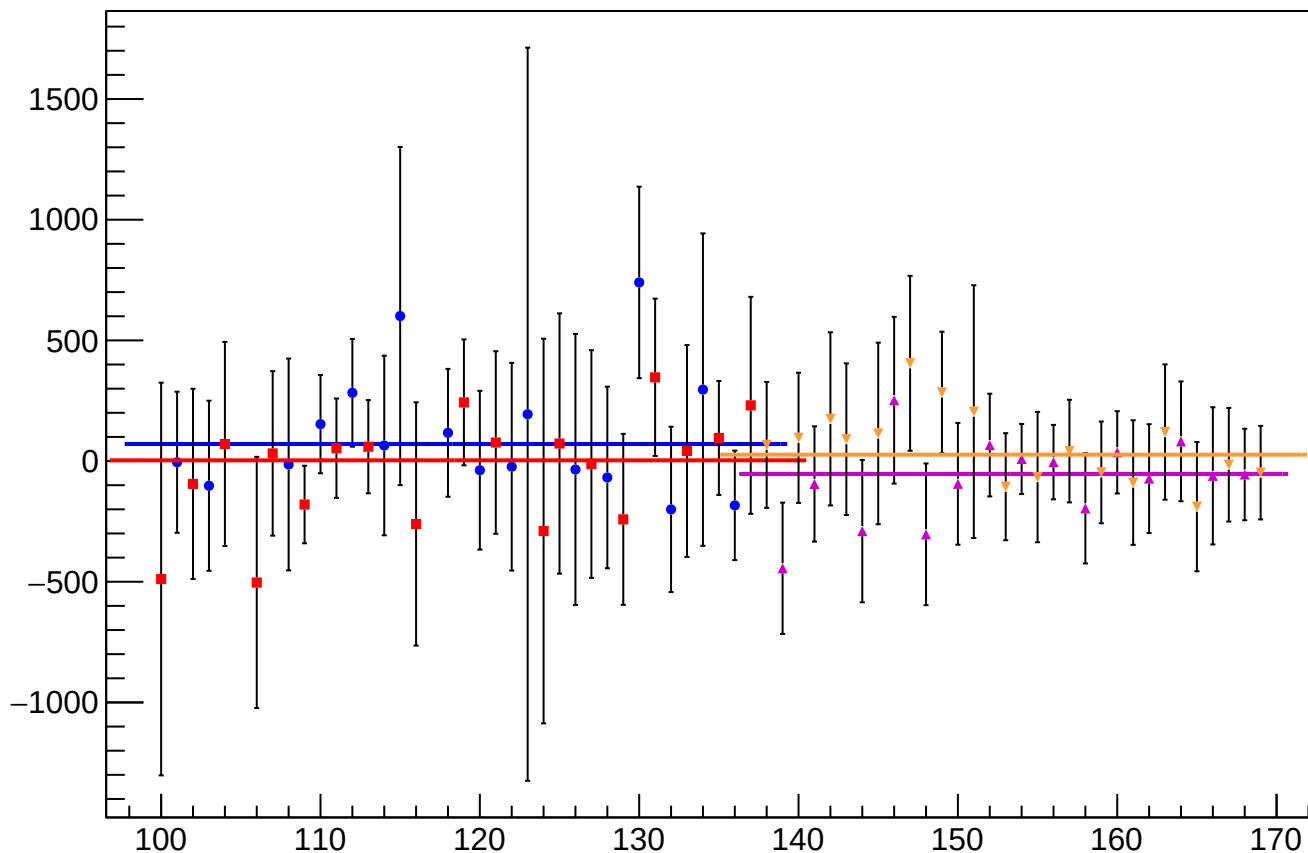
Left In: 16.450 ± 0.003 $\chi^2/\text{NDF}: 35632.6/14$

+ sign 16.883 ± 0.003 $\chi^2/\text{NDF}: 135544.9/33$

All: 16.882 ± 0.002 $\chi^2/\text{NDF}: 247949.0/67$

- sign 16.880 ± 0.003 $\chi^2/\text{NDF}: 112403.8/33$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 70.634 $\pm$ 80.409 χ^2 /NDF: 7.2/16

Left Out: 26.579 $\pm$ 63.823 χ^2 /NDF: 4.4/16

Right Out: 3.063 $\pm$ 71.508 χ^2 /NDF: 6.2/18

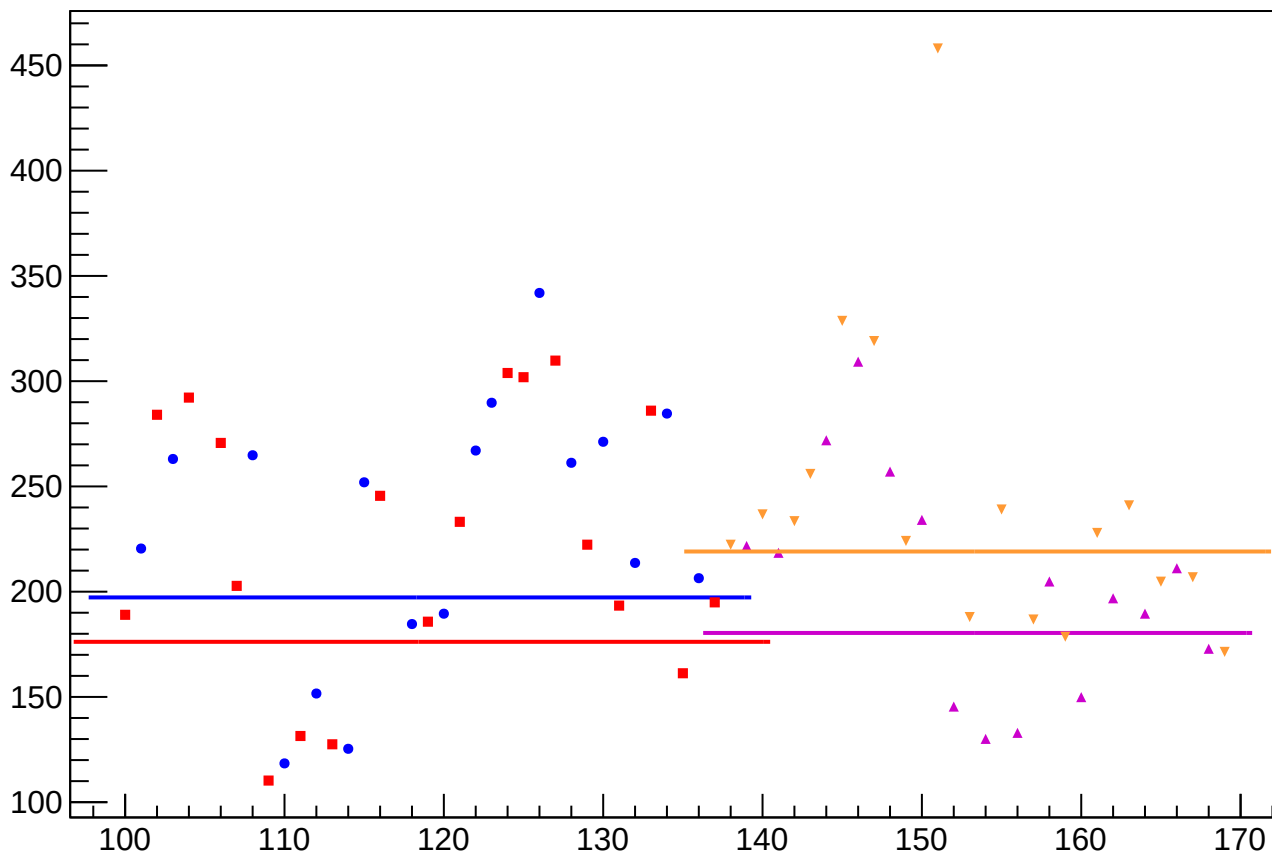
Left In: -53.583 $\pm$ 55.943 χ^2 /NDF: 5.8/14

+ sign 43.607 $\pm$ 49.990 χ^2 /NDF: 11.7/33

All: 1.014 $\pm$ 33.054 χ^2 /NDF: 25.4/67

- sign -32.076 $\pm$ 44.061 χ^2 /NDF: 12.4/33

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.271 $\pm$ 0.057 χ^2 /NDF: 969549.7/16

Left Out: 219.087 $\pm$ 0.045 χ^2 /NDF: 1095881.4/16

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

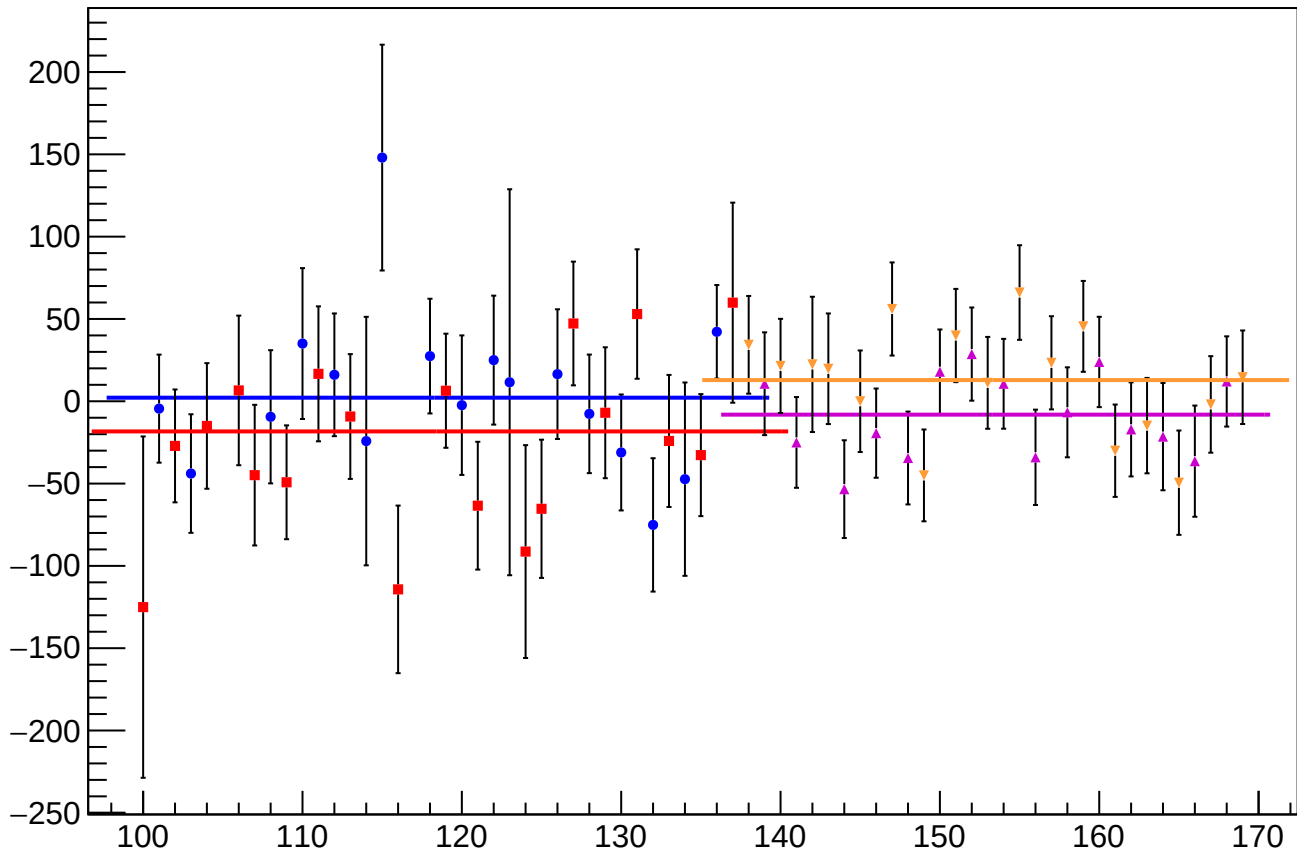
Left In: 180.397 $\pm$ 0.040 χ^2 /NDF: 1405602.1/14

+ sign 210.655 $\pm$ 0.035 χ^2 /NDF: 2155746.9/33

All: 192.725 $\pm$ 0.023 χ^2 /NDF: 5542531.8/67

- sign 178.796 $\pm$ 0.031 χ^2 /NDF: 2929622.6/33

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178 $\pm$ 9.825 χ^2/NDF : 15.4/16

Left Out: 12.864 $\pm$ 7.145 χ^2/NDF : 20.8/16

Right Out: -18.320 $\pm$ 9.497 χ^2/NDF : 19.6/18

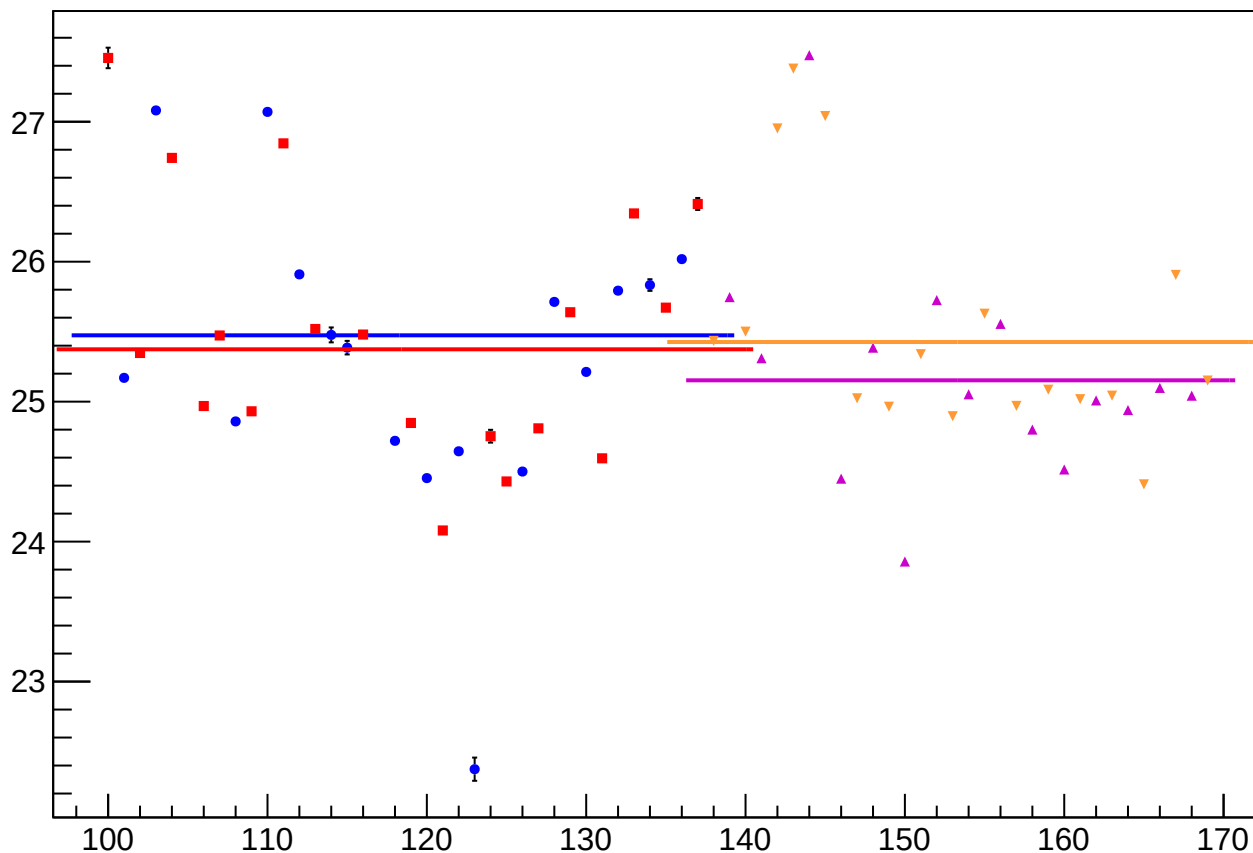
Left In: -8.128 $\pm$ 7.364 χ^2/NDF : 11.0/14

+ sign 9.167 $\pm$ 5.779 χ^2/NDF : 36.9/33

All: -1.319 $\pm$ 4.101 χ^2/NDF : 74.8/67

- sign -11.955 $\pm$ 5.820 χ^2/NDF : 31.3/33

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474 $\pm$ 0.007 χ^2 /NDF: 14061.2/16

Left Out: 25.426 $\pm$ 0.005 χ^2 /NDF: 21189.1/16

Right Out: 25.374 $\pm$ 0.007 χ^2 /NDF: 13581.2/18

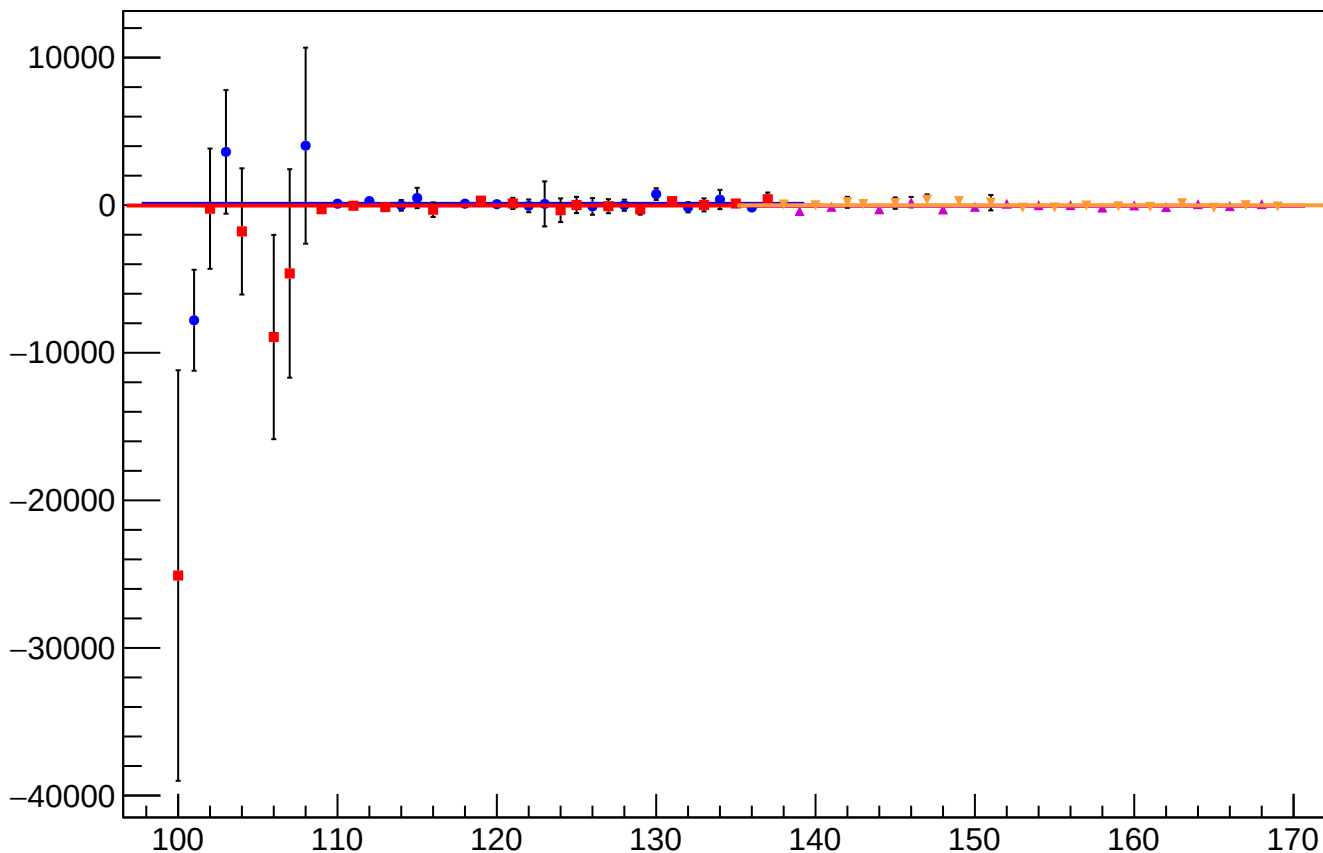
Left In: 25.152 $\pm$ 0.005 χ^2 /NDF: 22417.3/14

+ sign 25.443 $\pm$ 0.004 χ^2 /NDF: 35281.3/33

All: 25.340 $\pm$ 0.003 χ^2 /NDF: 73234.3/67

- sign 25.236 $\pm$ 0.004 χ^2 /NDF: 36678.5/33

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 89.619+/-87.630 χ^2/NDF : 12.3/16

Left Out: -7.592+/-64.241 χ^2/NDF : 4.8/16

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

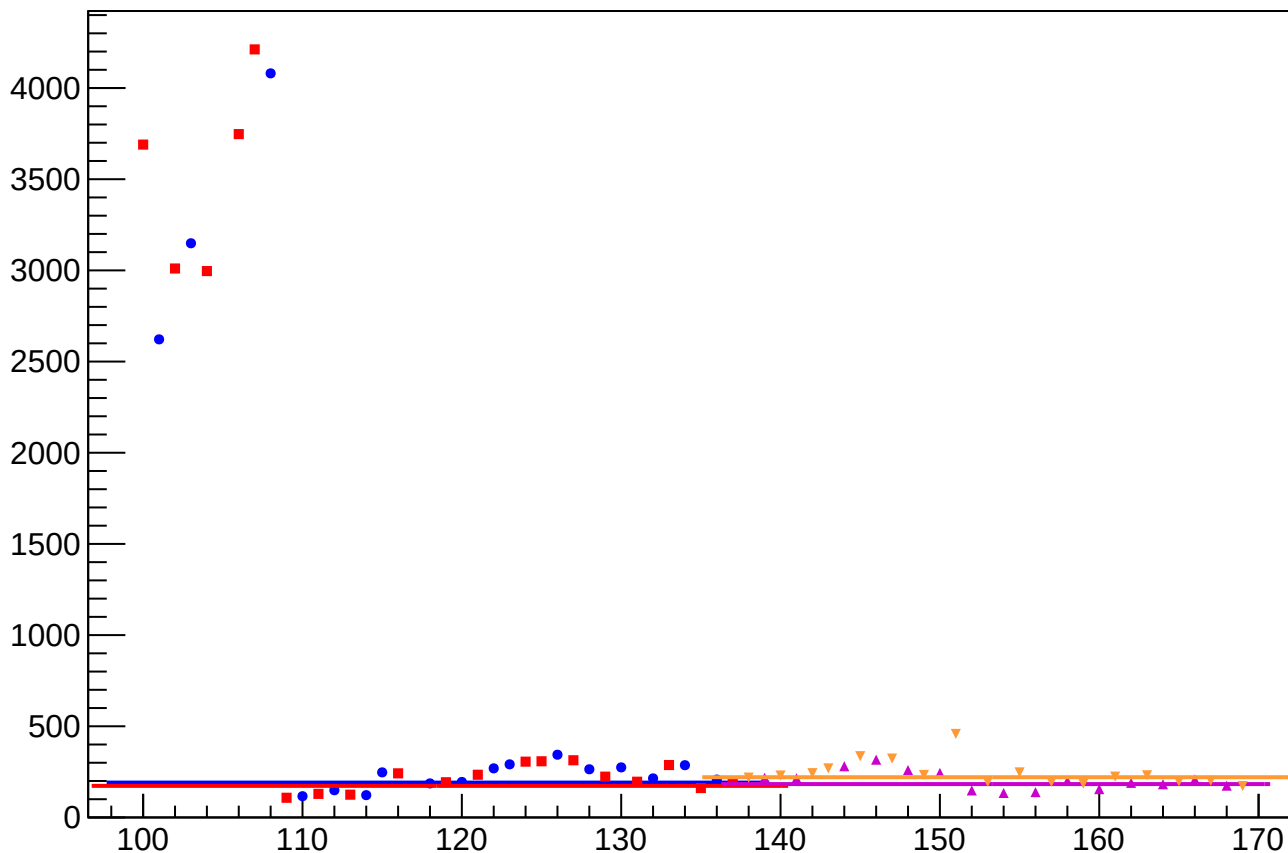
Left In: -46.740+/-56.606 χ^2/NDF : 5.3/14

+ sign 26.389+/-51.810 χ^2/NDF : 17.9/33

All: -9.805+/-34.557 χ^2/NDF : 36.0/67

- sign -38.811+/-46.380 χ^2/NDF : 17.2/33

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.190+/-0.062 χ^2/NDF : 3571747.5/16

Left Out: 220.647+/-0.045 χ^2/NDF : 1094762.8/16

Right Out: 173.269+/-0.057 χ^2/NDF : 4207191.5/18

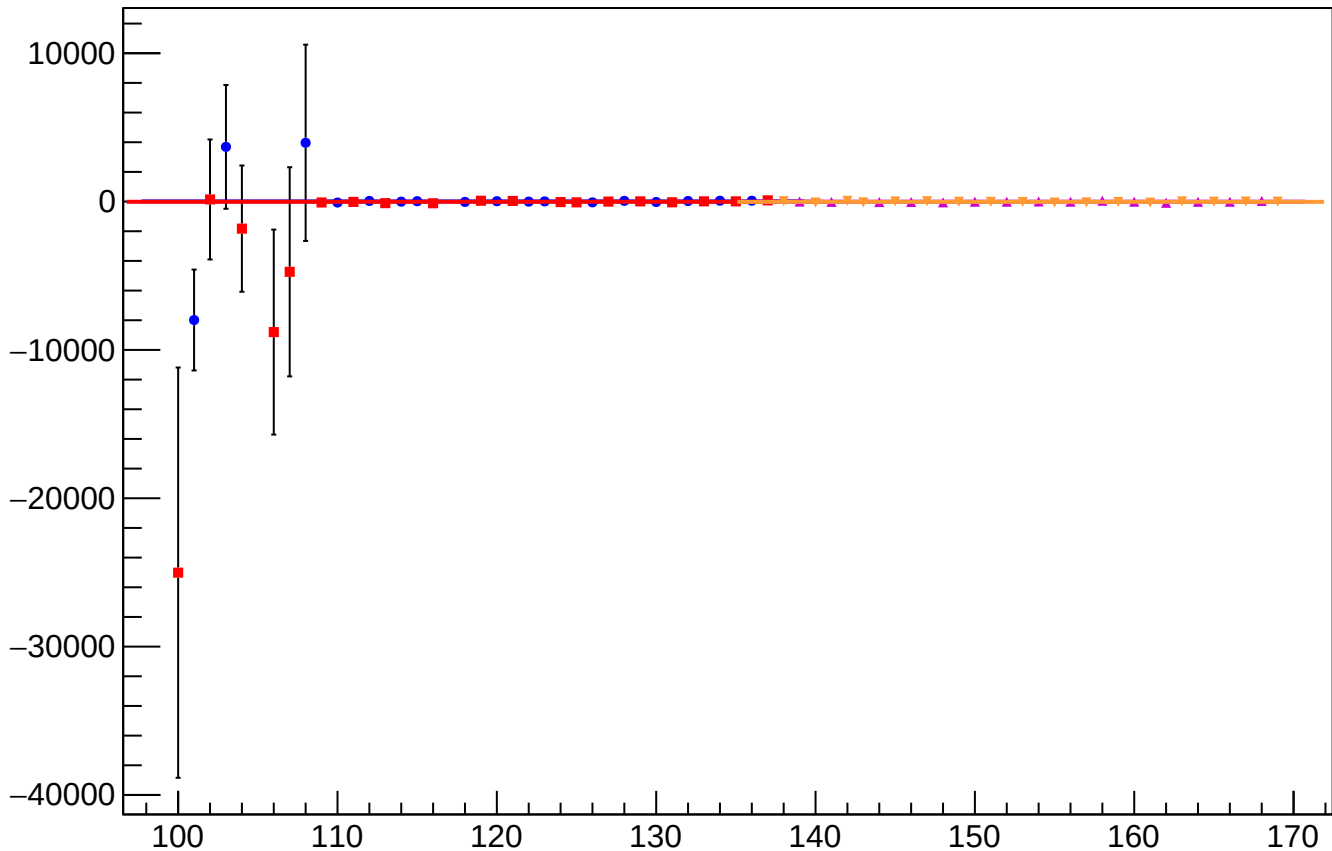
Left In: 183.057+/-0.040 χ^2/NDF : 1300598.4/14

+ sign 210.350+/-0.037 χ^2/NDF : 4813507.0/33

All: 193.413+/-0.024 χ^2/NDF : 10725967.5/67

- sign 179.840+/-0.033 χ^2/NDF : 5527442.5/33

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.398 $\pm$ 12.190 χ^2 /NDF: 18.3/16

Left Out: -17.792 $\pm$ 8.153 χ^2 /NDF:16.1/16

Right Out: -12.947 $\pm$ 12.227 χ^2 /NDF: 24.4/18

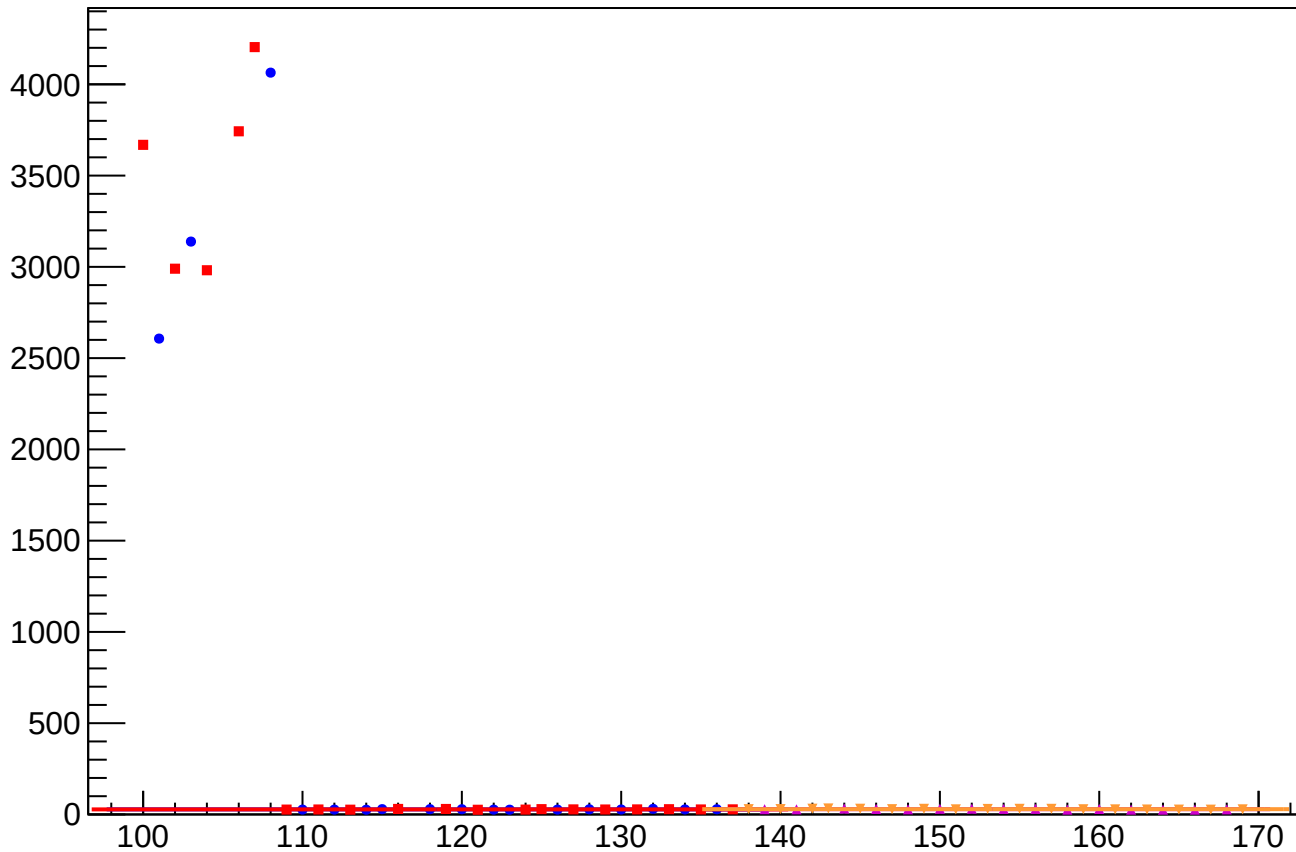
Left In: -8.527 $\pm$ 8.491 χ^2 /NDF:17.3/14

+ sign -9.078 $\pm$ 6.777 χ^2 /NDF: 38.1/33

All: -9.509 $\pm$ 4.860 χ^2 /NDF: 79.9/67

- sign -9.965 $\pm$ 6.974 χ^2 /NDF: 41.8/33

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837 $\pm$ 0.009 χ^2 /NDF: 3026887.2/16

Left Out: 28.952 $\pm$ 0.006 χ^2 /NDF: 94302.8/16

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

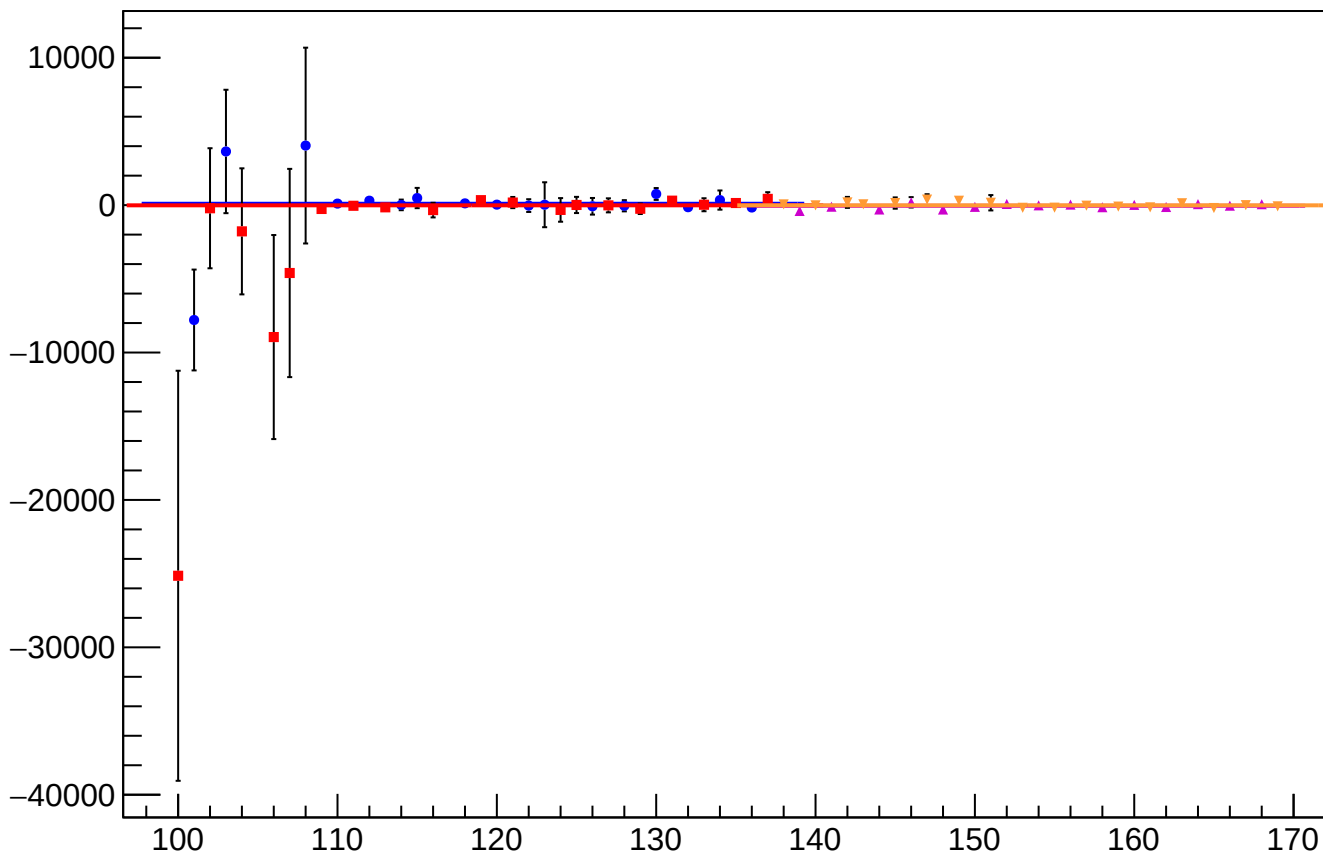
Left In: 28.920 $\pm$ 0.006 χ^2 /NDF: 108277.3/14

+ sign 28.607 $\pm$ 0.005 χ^2 /NDF: 3132754.7/33

All: 28.565 $\pm$ 0.003 χ^2 /NDF: 6731557.8/67

- sign 28.521 $\pm$ 0.005 χ^2 /NDF: 3598647.5/33

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 92.840 $\pm$ 87.359 χ^2 /NDF: 12.6/16

Left Out: -13.375 $\pm$ 64.102 χ^2 /NDF: 5.5/16

Right Out: -12.772 $\pm$ 80.640 χ^2 /NDF: 12.7/18

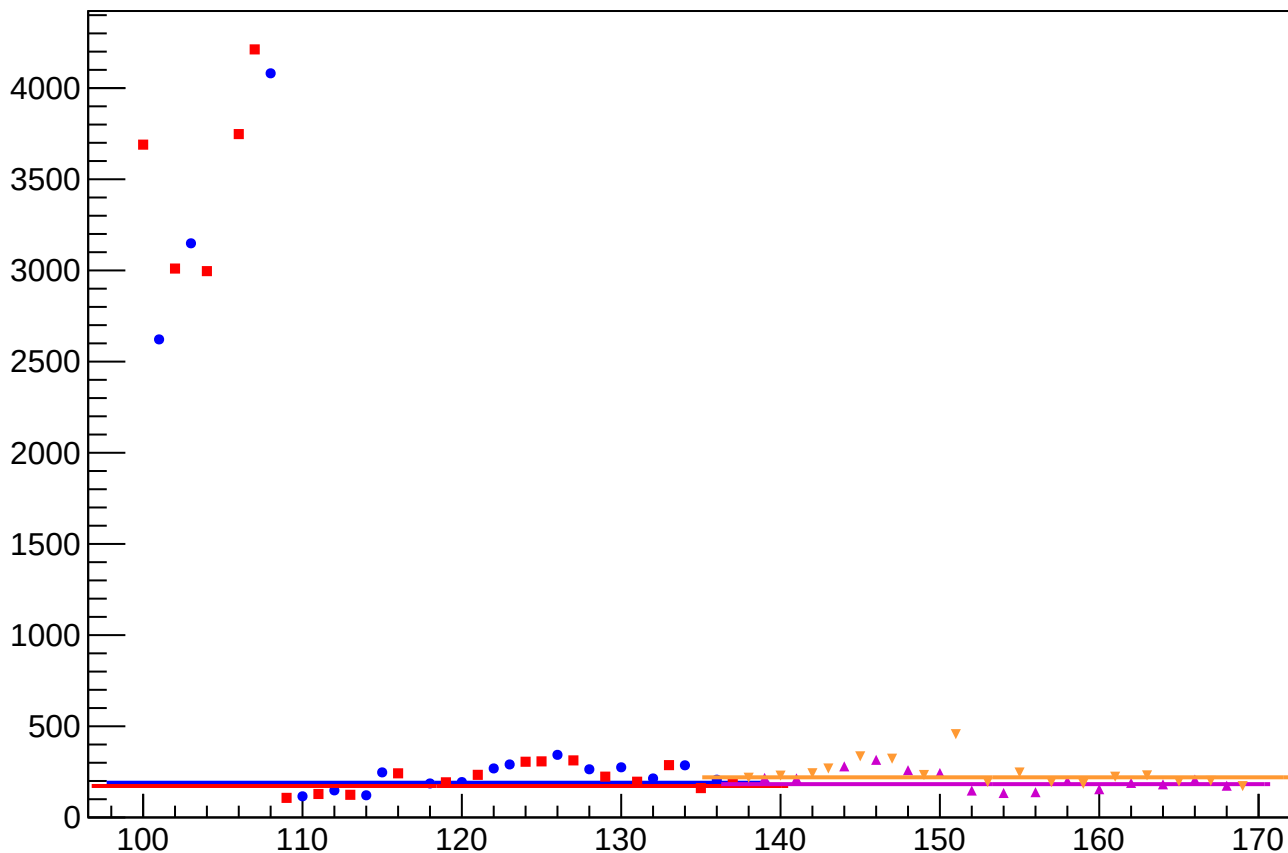
Left In: -45.206 $\pm$ 56.496 χ^2 /NDF: 5.4/14

+ sign 23.799 $\pm$ 51.681 χ^2 /NDF: 19.0/33

All: -8.576 $\pm$ 34.473 χ^2 /NDF: 37.9/67

- sign -34.528 $\pm$ 46.271 χ^2 /NDF: 18.1/33

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.485+/-0.062 χ^2/NDF : 3583573.2/16

Left Out: 220.173+/-0.045 χ^2/NDF : 1094432.2/16

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

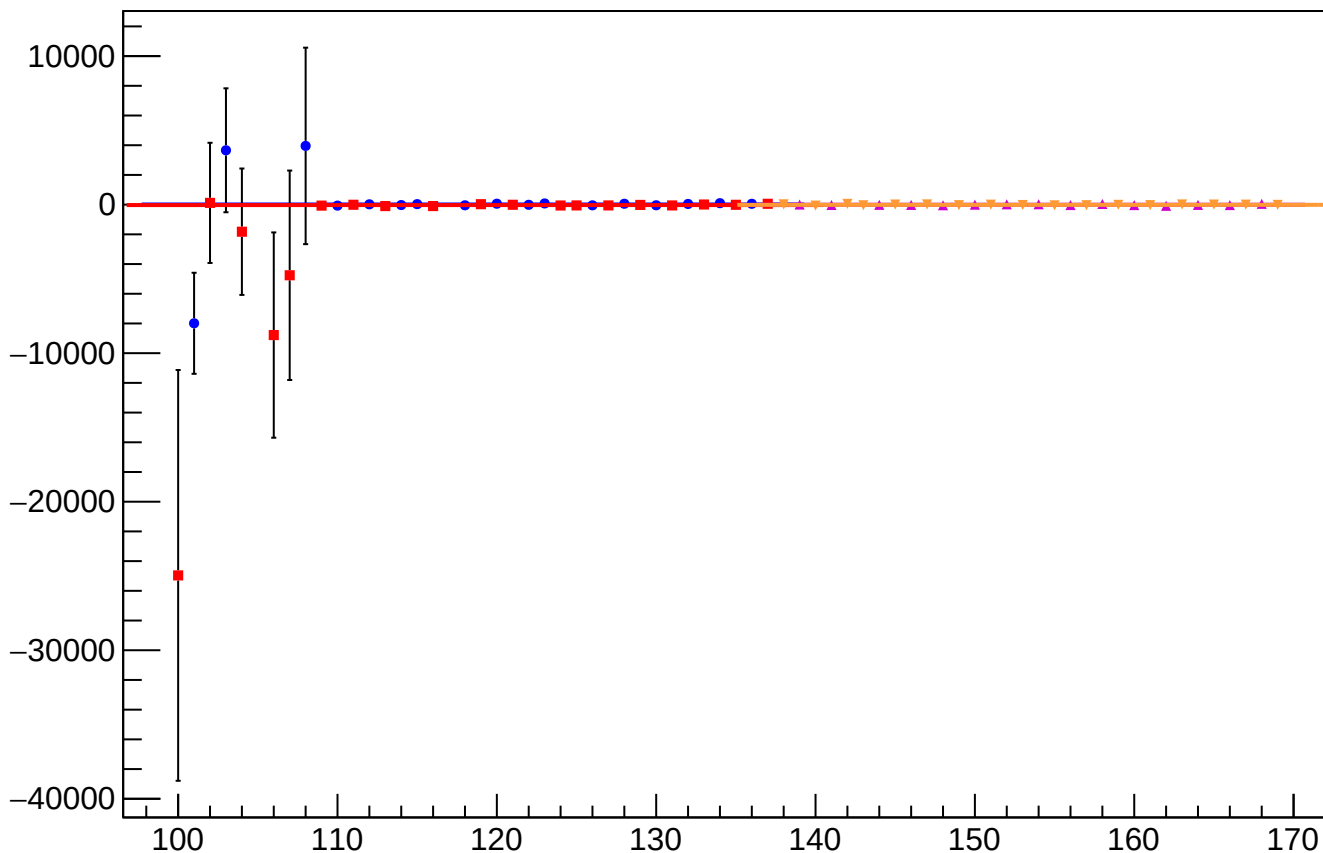
Left In: 182.704+/-0.040 χ^2/NDF : 1300387.4/14

+ sign 209.783+/-0.037 χ^2/NDF : 4828145.7/33

All: 192.906+/-0.024 χ^2/NDF : 10752203.7/67

- sign 179.378+/-0.033 χ^2/NDF : 5539828.9/33

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: -13.679 $\pm$ 8.212 χ^2 /NDF:10.6/16

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

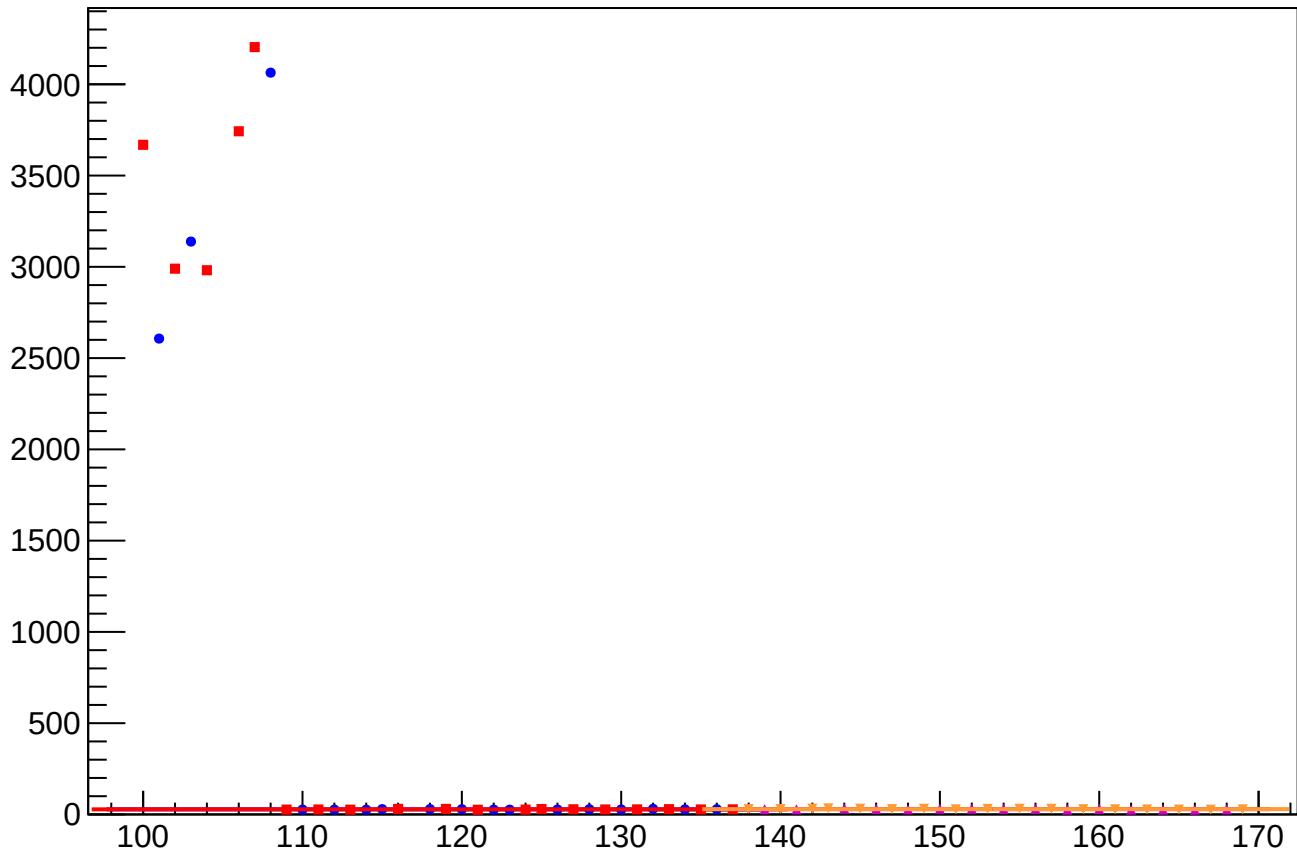
Left In: -7.111 $\pm$ 8.544 χ^2 /NDF:17.4/14

+ sign -6.480 $\pm$ 6.825 χ^2 /NDF: 36.3/33

All: -10.335 $\pm$ 4.894 χ^2 /NDF: 73.1/67

- sign -14.416 $\pm$ 7.022 χ^2 /NDF: 36.2/33

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.023 $\pm$ 0.009 χ^2 /NDF: 3027003.0/16

Left Out: 29.155 $\pm$ 0.006 χ^2 /NDF: 99497.7/16

Right Out: 27.917 $\pm$ 0.009 χ^2 /NDF: 3479610.6/18

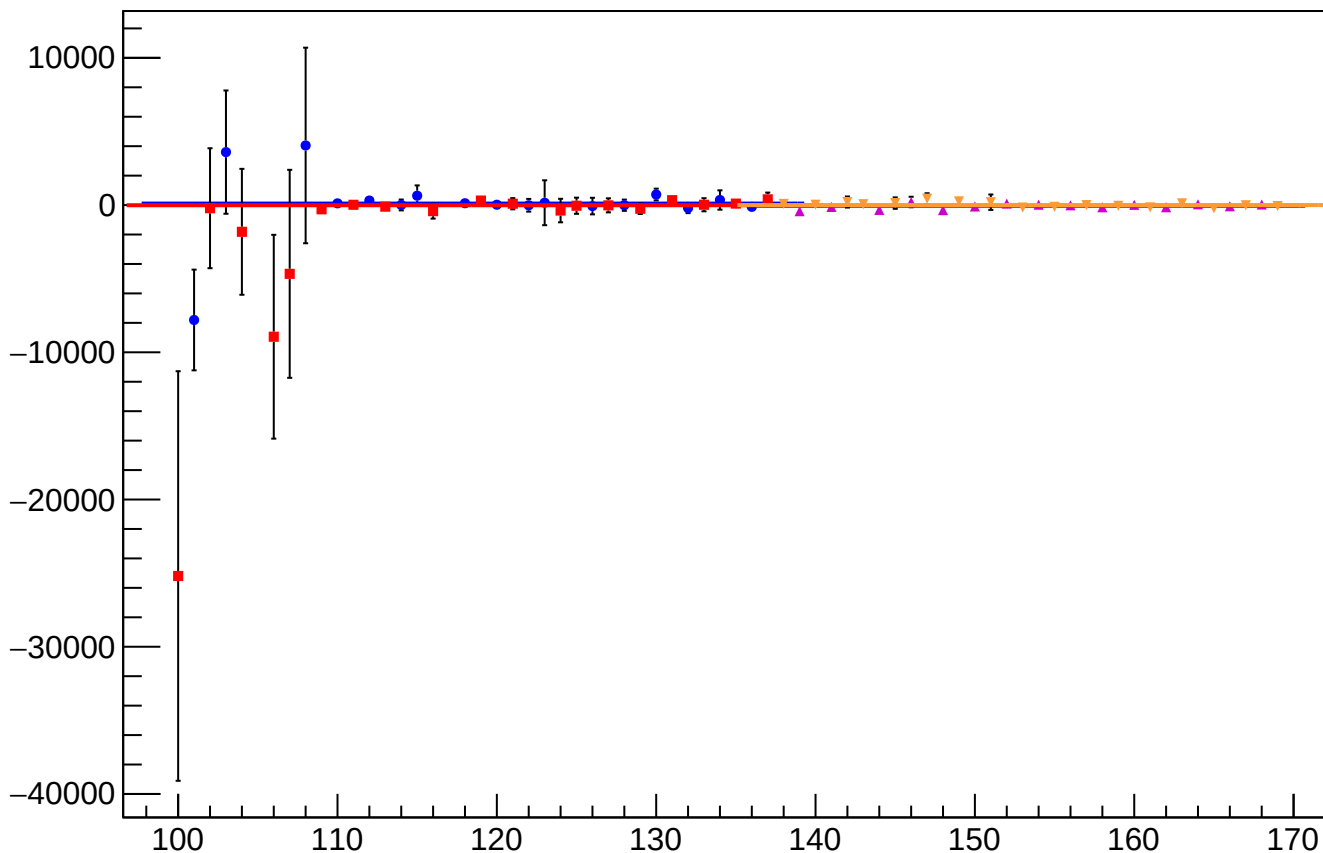
Left In: 29.103 $\pm$ 0.006 χ^2 /NDF: 108730.0/14

+ sign 28.805 $\pm$ 0.005 χ^2 /NDF: 3138247.4/33

All: 28.763 $\pm$ 0.003 χ^2 /NDF: 6739245.5/67

- sign 28.718 $\pm$ 0.005 χ^2 /NDF: 3600842.0/33

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 101.772 $\pm$ 88.390 χ^2 /NDF: 12.4/16

Left Out: 0.598 $\pm$ 64.851 χ^2 /NDF: 5.1/16

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

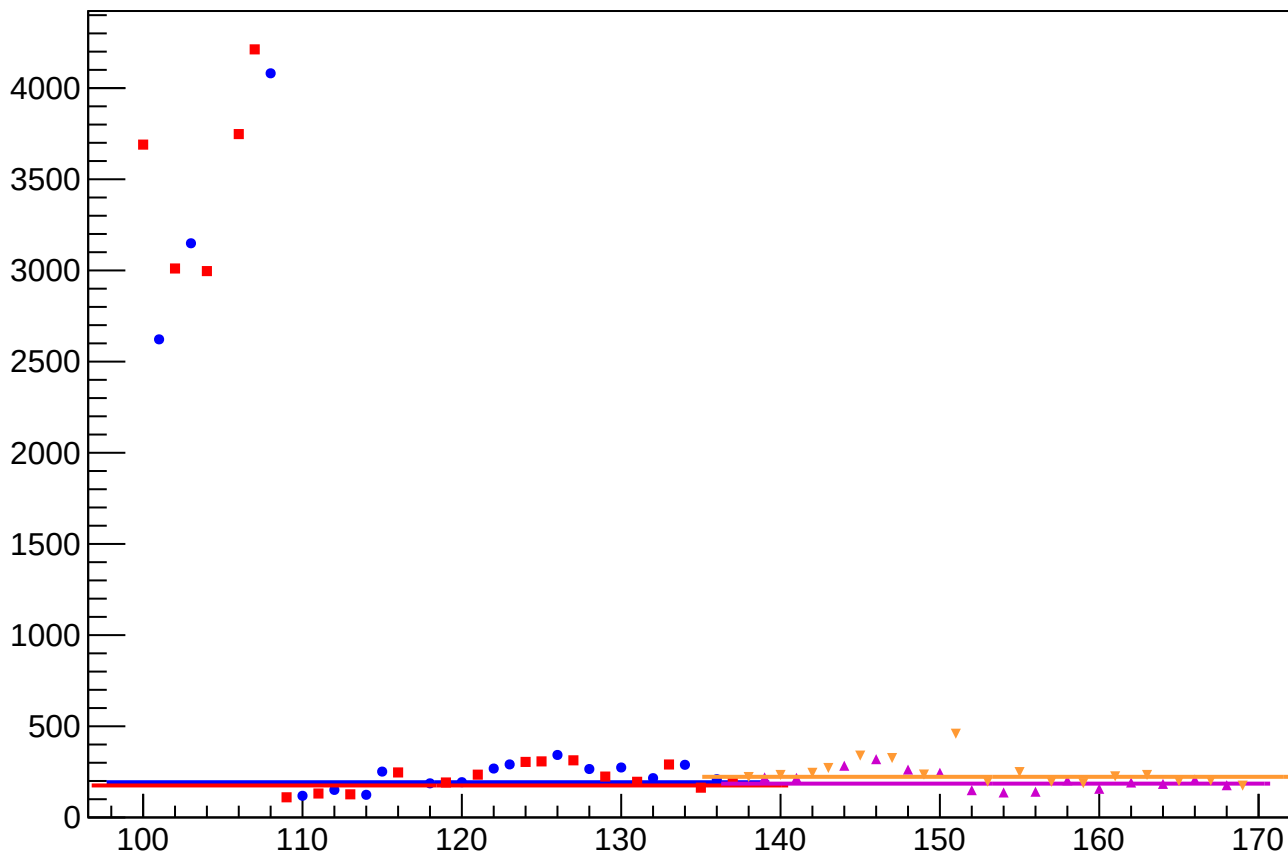
Left In: -54.236 $\pm$ 57.299 χ^2 /NDF: 6.0/14

+ sign 36.002 $\pm$ 52.287 χ^2 /NDF: 18.4/33

All: -6.136 $\pm$ 34.920 χ^2 /NDF: 38.0/67

- sign -40.063 $\pm$ 46.917 χ^2 /NDF: 18.4/33

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.190 $\pm$ 0.063 χ^2 /NDF: 3536123.5/16

Left Out: 222.852 $\pm$ 0.046 χ^2 /NDF: 1082978.1/16

Right Out: 175.485 $\pm$ 0.058 χ^2 /NDF: 4165391.7/18

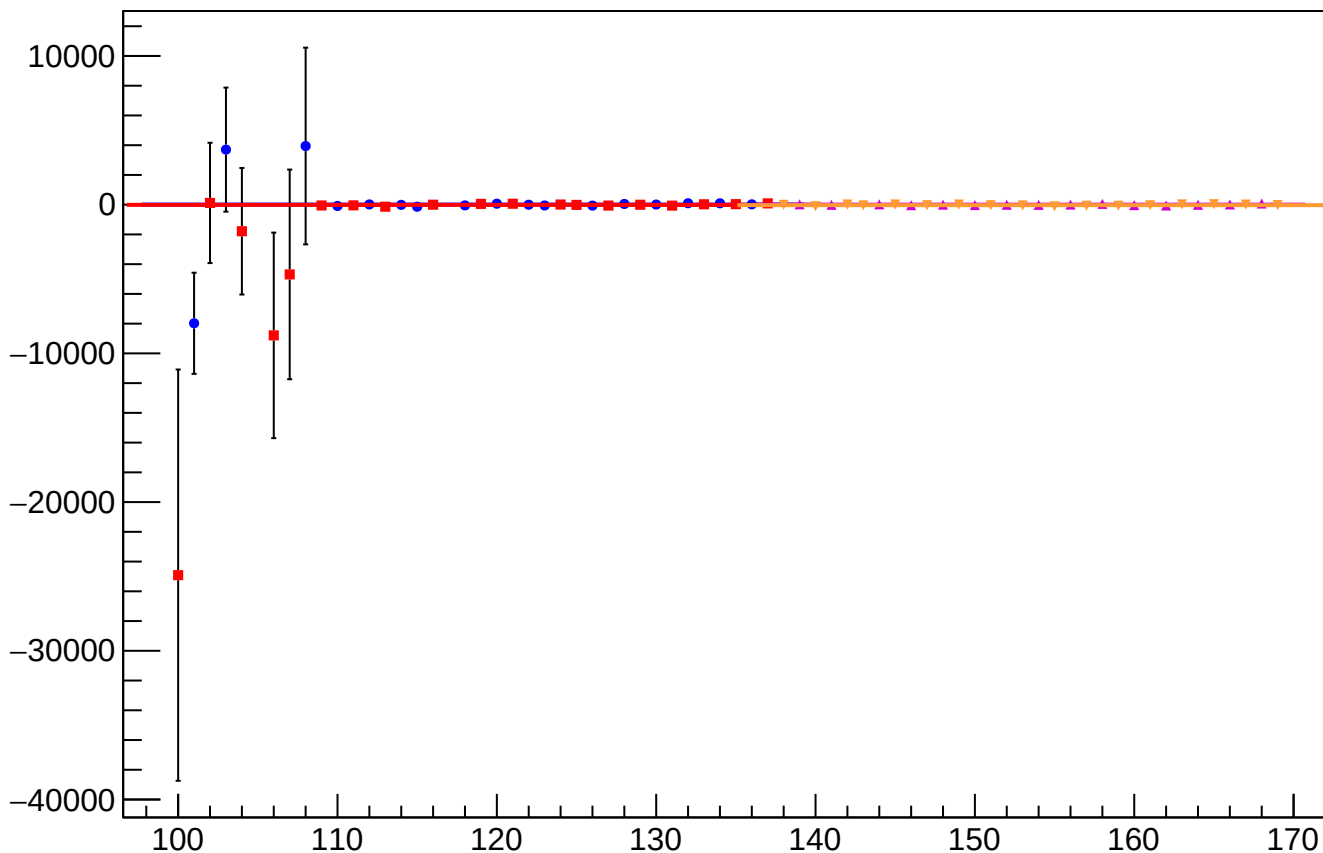
Left In: 185.491 $\pm$ 0.041 χ^2 /NDF: 1271739.6/14

+ sign 212.473 $\pm$ 0.037 χ^2 /NDF: 4765516.5/33

All: 195.699 $\pm$ 0.025 χ^2 /NDF: 10594296.6/67

- sign 182.193 $\pm$ 0.033 χ^2 /NDF: 5457227.5/33

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651 $\pm$ 14.935 χ^2 /NDF: 20.4/16

Left Out: -32.292 $\pm$ 9.759 χ^2 /NDF:18.3/16

Right Out: -12.487 $\pm$ 14.947 χ^2 /NDF: 21.7/18

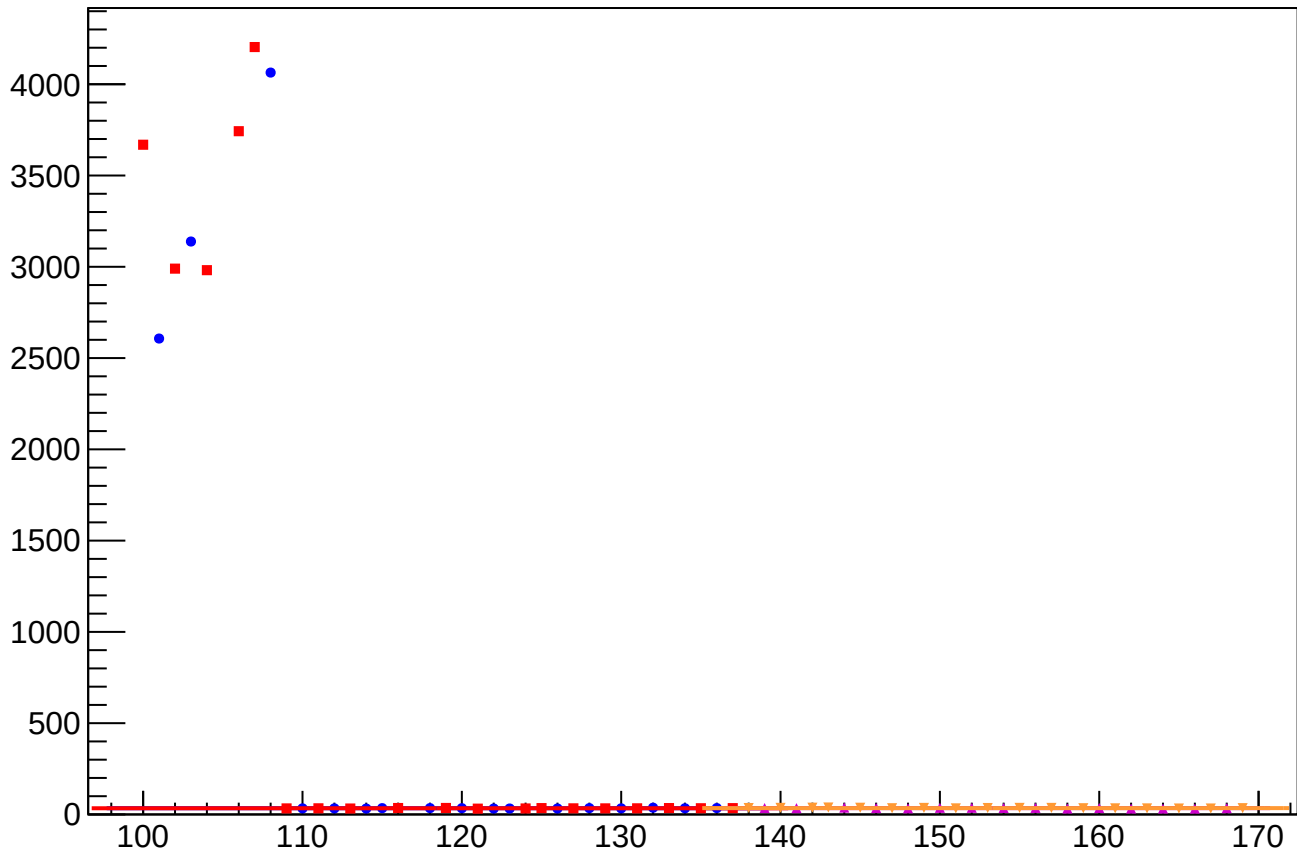
Left In: 3.698 $\pm$ 10.165 χ^2 /NDF:11.8/14

+ sign -21.237 $\pm$ 8.170 χ^2 /NDF: 43.0/33

All: -11.610 $\pm$ 5.858 χ^2 /NDF: 80.2/67

- sign -1.420 $\pm$ 8.405 χ^2 /NDF: 34.3/33

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.137 $\pm$ 0.011 χ^2 /NDF: 3006248.0/16

Left Out: 34.711 $\pm$ 0.007 χ^2 /NDF: 46778.7/16

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

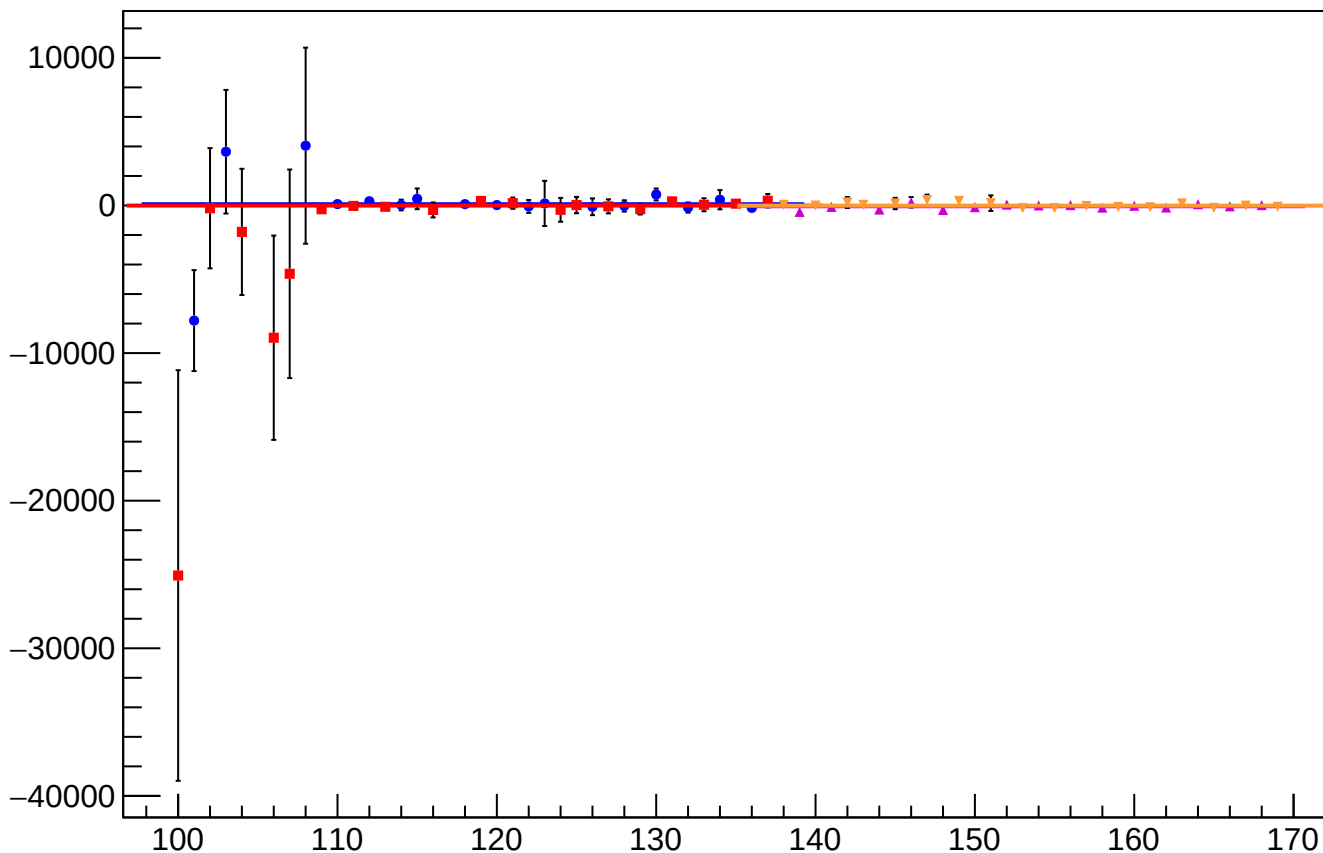
Left In: 34.693 $\pm$ 0.007 χ^2 /NDF: 51411.8/14

+ sign 34.539 $\pm$ 0.006 χ^2 /NDF: 3055093.1/33

All: 34.494 $\pm$ 0.004 χ^2 /NDF: 6562243.8/67

- sign 34.446 $\pm$ 0.006 χ^2 /NDF: 3507023.9/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041+/-87.947 χ^2/NDF : 12.4/16

Left Out: -10.506+/-64.721 χ^2/NDF : 5.3/16

Right Out: -7.296+/-81.208 χ^2/NDF : 11.1/18

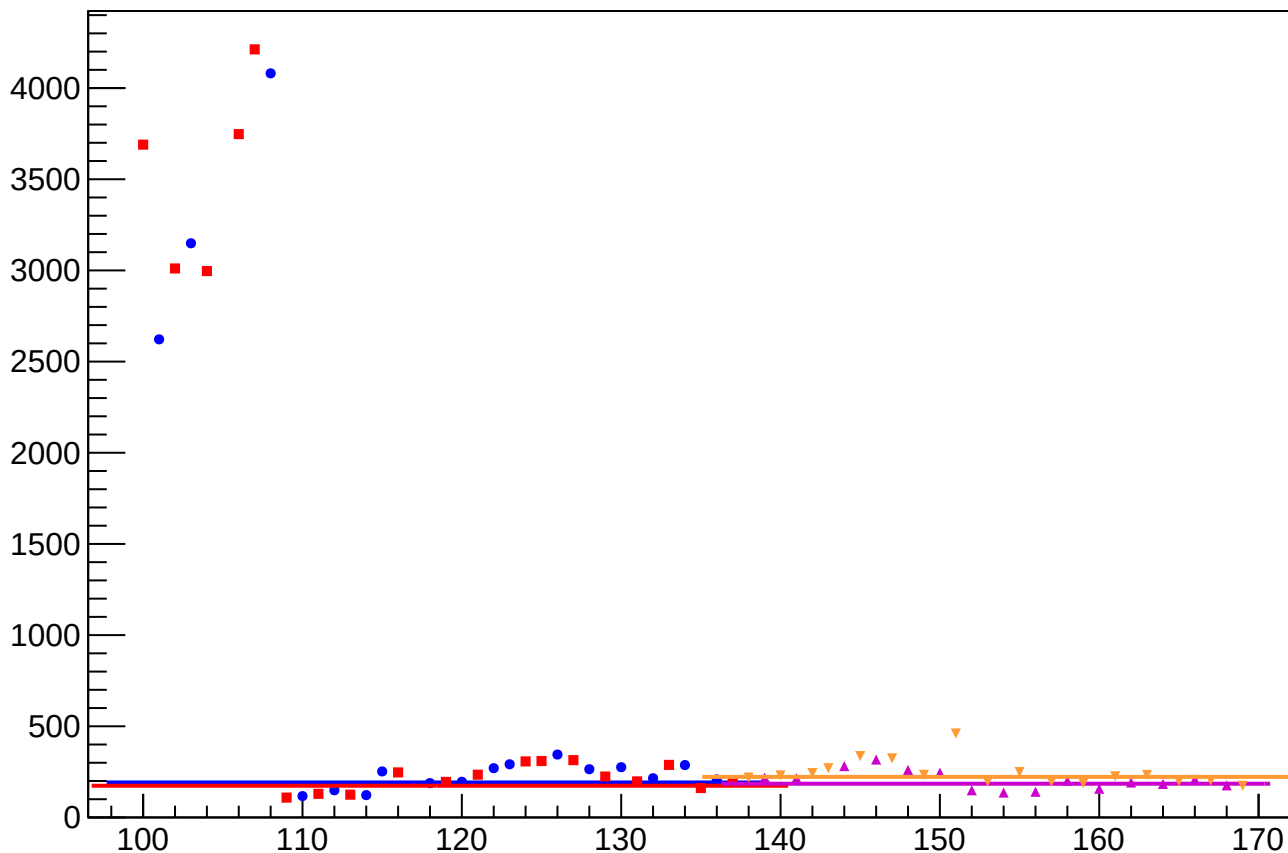
Left In: -52.834+/-57.141 χ^2/NDF : 5.4/14

+ sign 23.411+/-52.127 χ^2/NDF : 18.4/33

All: -10.500+/-34.796 χ^2/NDF : 35.9/67

- sign -37.754+/-46.732 χ^2/NDF : 16.7/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 191.880 $\pm$ 0.062 χ^2 /NDF: 3573060.2/16

Left Out: 222.427 $\pm$ 0.046 χ^2 /NDF: 1073827.2/16

Right Out: 173.928 $\pm$ 0.057 χ^2 /NDF: 4211385.1/18

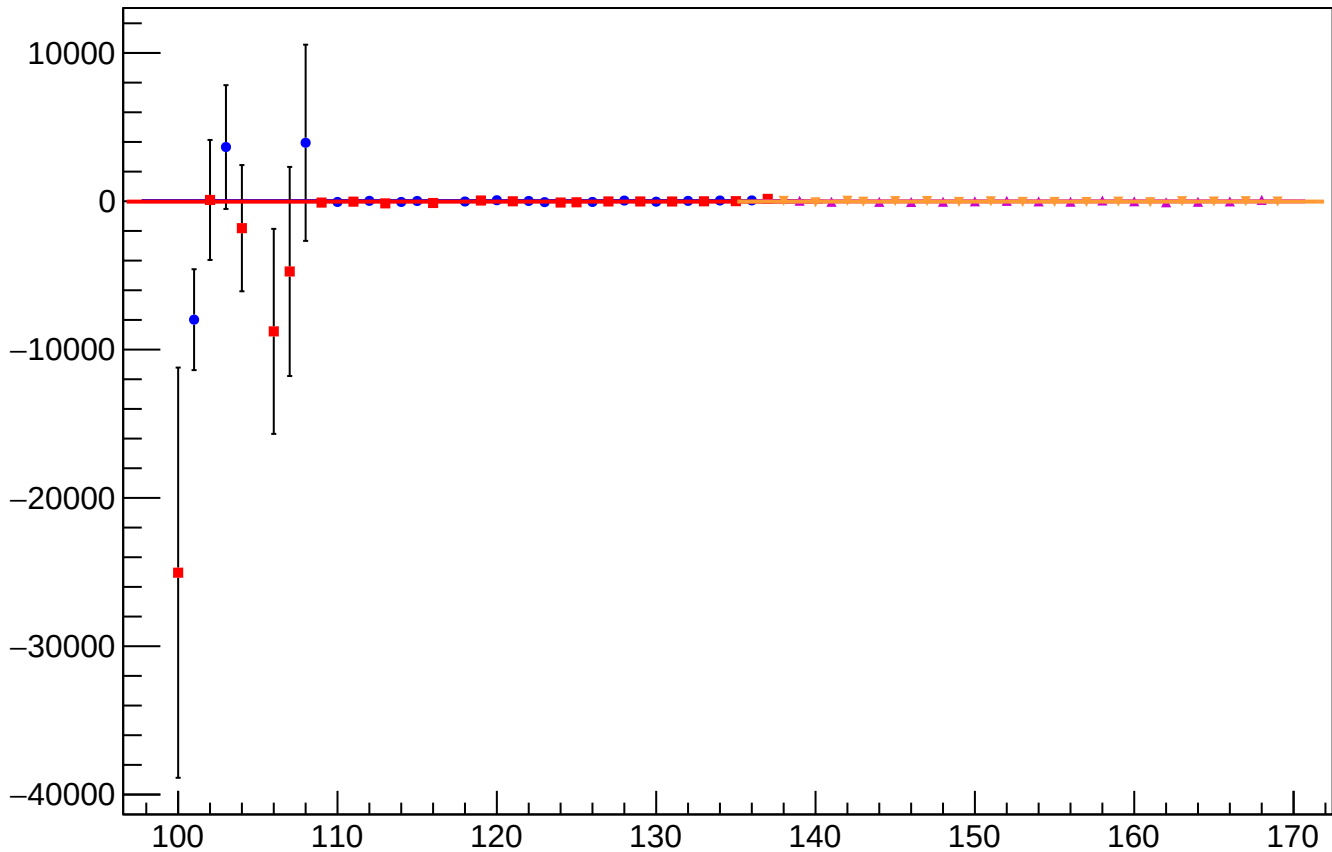
Left In: 184.990 $\pm$ 0.040 χ^2 /NDF: 1259401.9/14

+ sign 211.695 $\pm$ 0.037 χ^2 /NDF: 4803396.8/33

All: 194.858 $\pm$ 0.025 χ^2 /NDF: 10675354.3/67

- sign 181.327 $\pm$ 0.033 χ^2 /NDF: 5495608.4/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.121 $\pm$ 13.618 χ^2 /NDF: 15.2/16

Left Out: -20.236 $\pm$ 8.852 χ^2 /NDF:11.6/16

Right Out: -23.374 $\pm$ 13.655 χ^2 /NDF: 27.5/18

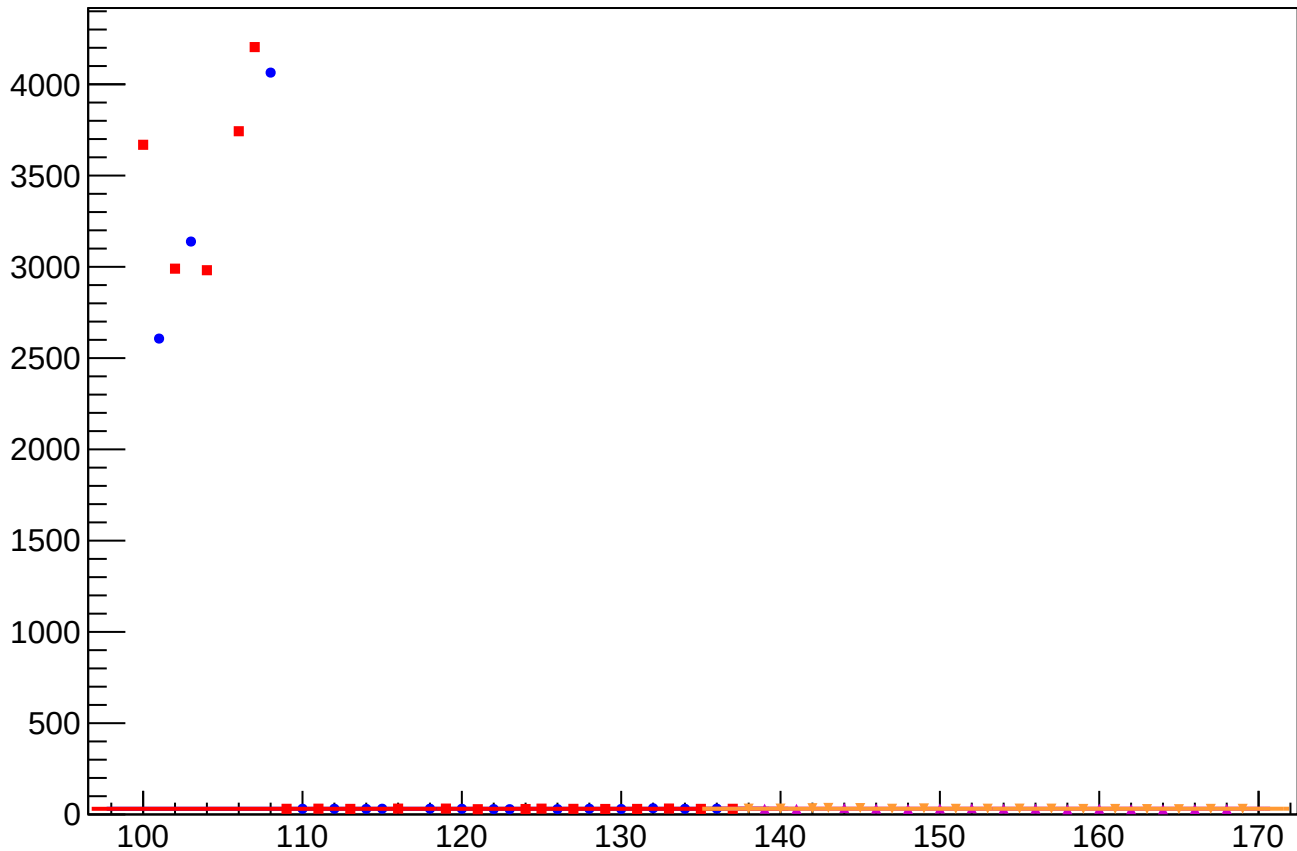
Left In: -3.660 $\pm$ 9.205 χ^2 /NDF:21.8/14

+ sign -10.031 $\pm$ 7.422 χ^2 /NDF: 31.3/33

All: -9.928 $\pm$ 5.321 χ^2 /NDF: 82.0/67

- sign -9.819 $\pm$ 7.633 χ^2 /NDF: 50.7/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.127 $\pm$ 0.010 χ^2 /NDF: 3014425.9/16

Left Out: 31.453 $\pm$ 0.006 χ^2 /NDF: 72802.0/16

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

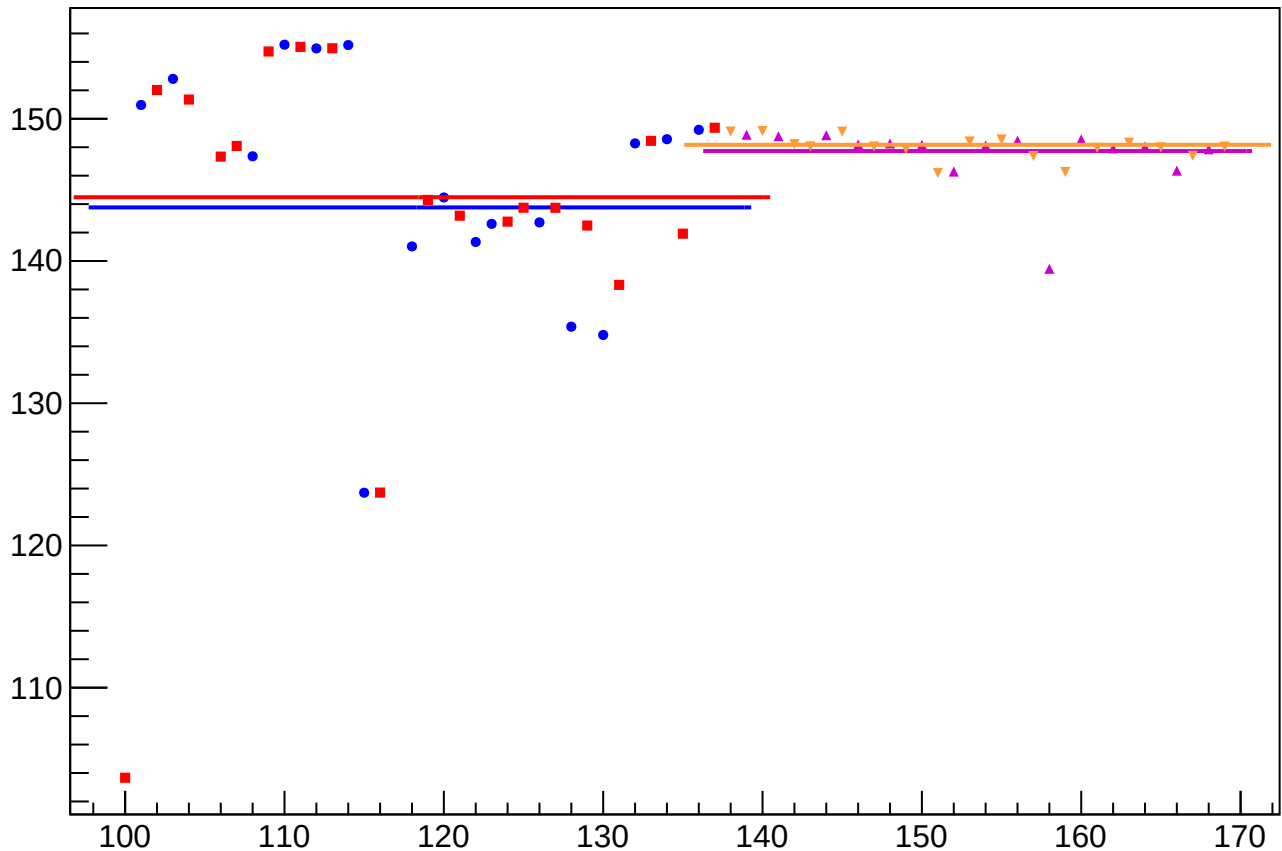
Left In: 31.369 $\pm$ 0.007 χ^2 /NDF: 80248.8/14

+ sign 31.356 $\pm$ 0.005 χ^2 /NDF: 3088033.5/33

All: 31.301 $\pm$ 0.004 χ^2 /NDF: 6628671.3/67

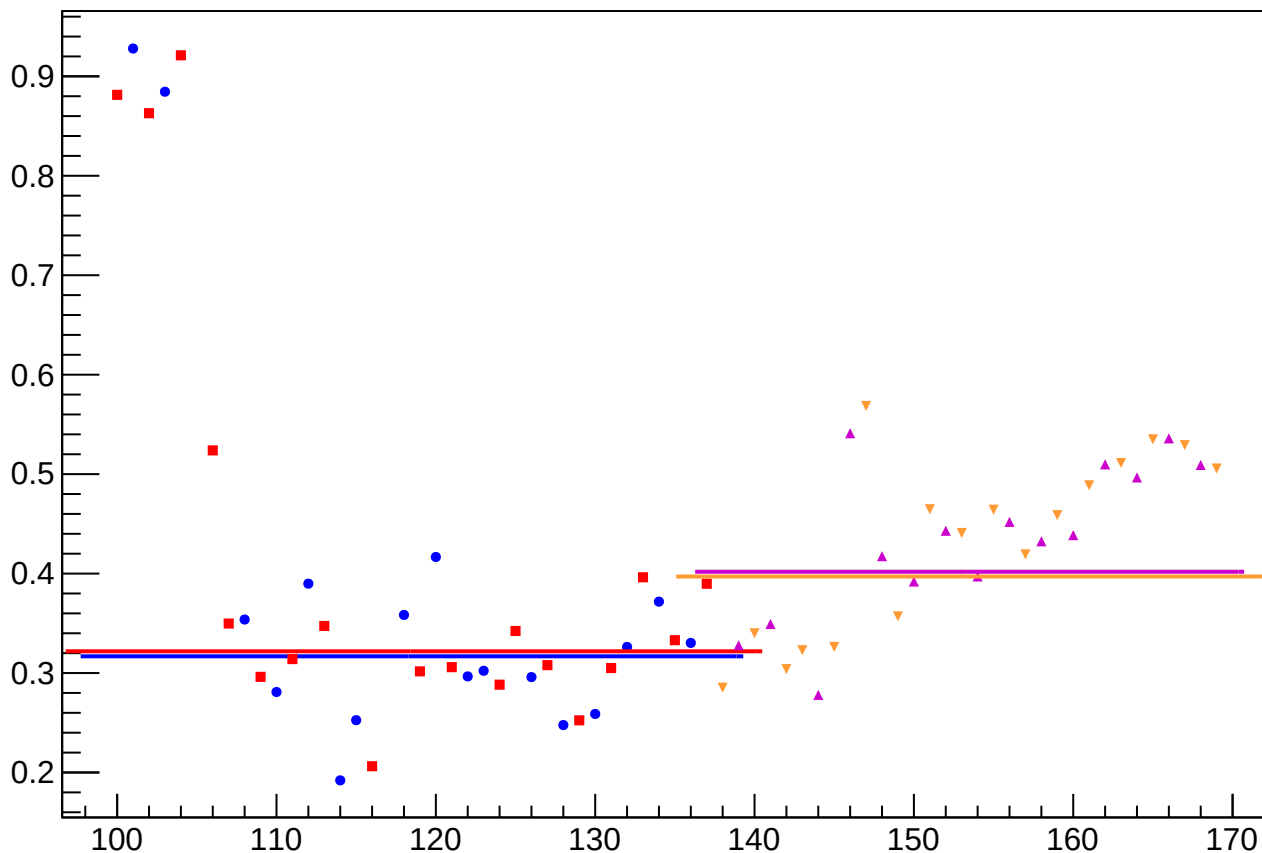
- sign 31.242 $\pm$ 0.005 χ^2 /NDF: 3540410.9/33

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000	χ^2 /NDF: 3532173868.5/16	+ sign 146.279 $\pm$ 0.000	χ^2 /NDF: 4200070095.7/33
Left Out: 148.171 $\pm$ 0.000	χ^2 /NDF: 52502830.6/16	All: 146.264 $\pm$ 0.000	χ^2 /NDF: 9031617252.2
Right Out: 144.486 $\pm$ 0.000	χ^2 /NDF: 4183608291.3/18	- sign 146.248 $\pm$ 0.000	χ^2 /NDF: 4831486004.8/33
Left In: 147.732 $\pm$ 0.000	χ^2 /NDF: 324068147.4/14		

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.397 ± 0.000 χ^2/NDF : 1111355.6/16

Right Out: 0.322 ± 0.000 χ^2/NDF : 1217762.5/18

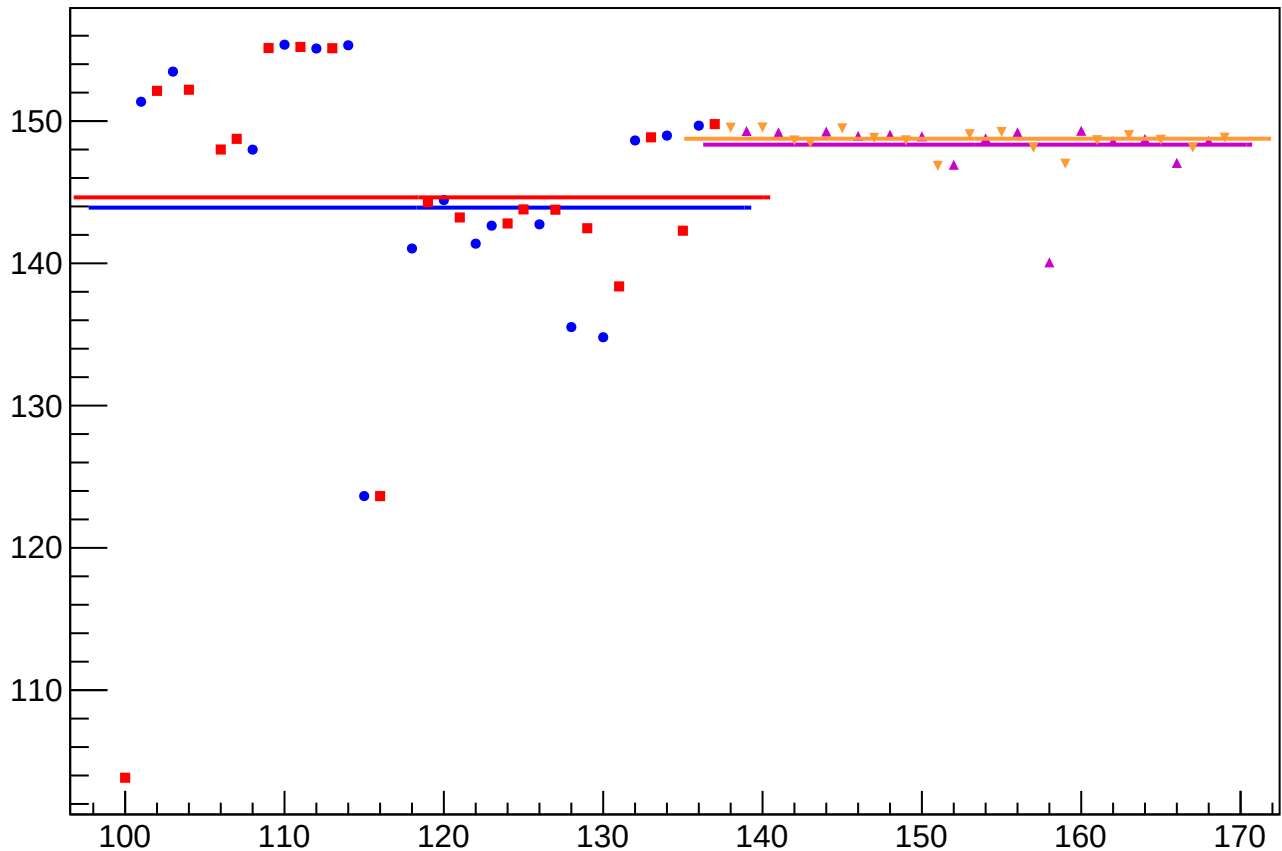
Left In: 0.402 ± 0.000 χ^2/NDF : 842040.9/14

+ sign 0.363 ± 0.000 χ^2/NDF : 2798649.9/33

All: 0.364 ± 0.000 χ^2/NDF : 5252514.4/67

- sign 0.365 ± 0.000 χ^2/NDF : 2452929.3/33

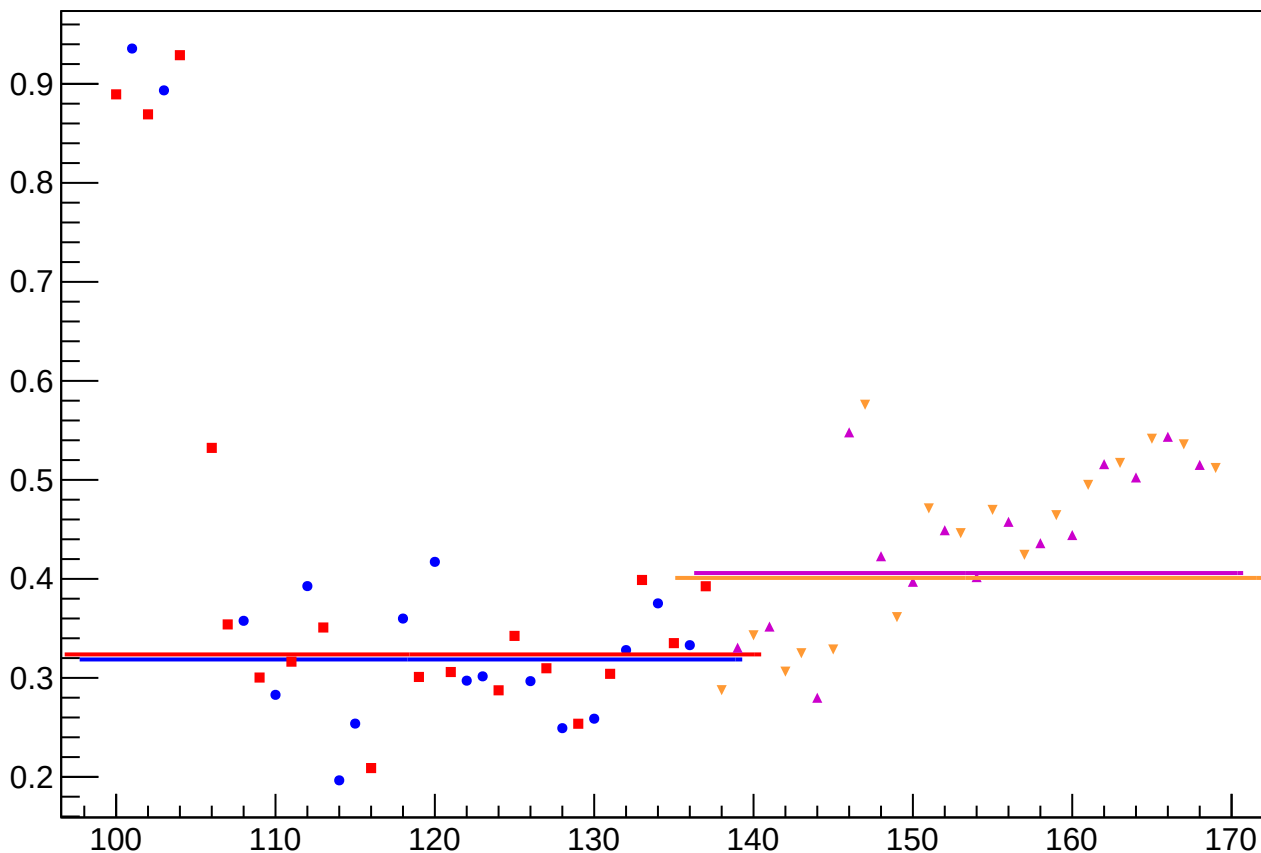
yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16
 Left Out: 148.759 $\pm$ 0.000 χ^2 /NDF: 40963361.5/16
 Right Out: 144.637 $\pm$ 0.000 χ^2 /NDF: 4210524953.9/18
 Left In: 148.343 $\pm$ 0.000 χ^2 /NDF: 313200825.9/14

+ sign 146.668 $\pm$ 0.000 χ^2 /NDF: 4358756152.7/33
 All: 146.655 $\pm$ 0.000 χ^2 /NDF: 9298009561.9
 - sign 146.641 $\pm$ 0.000 χ^2 /NDF: 4939208858.5/33

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 $\chi^2/\text{NDF}: 1280748.9/16$

Left Out: 0.401 ± 0.000 $\chi^2/\text{NDF}: 1131905.0/16$

Right Out: 0.324 ± 0.000 $\chi^2/\text{NDF}: 1220898.3/18$

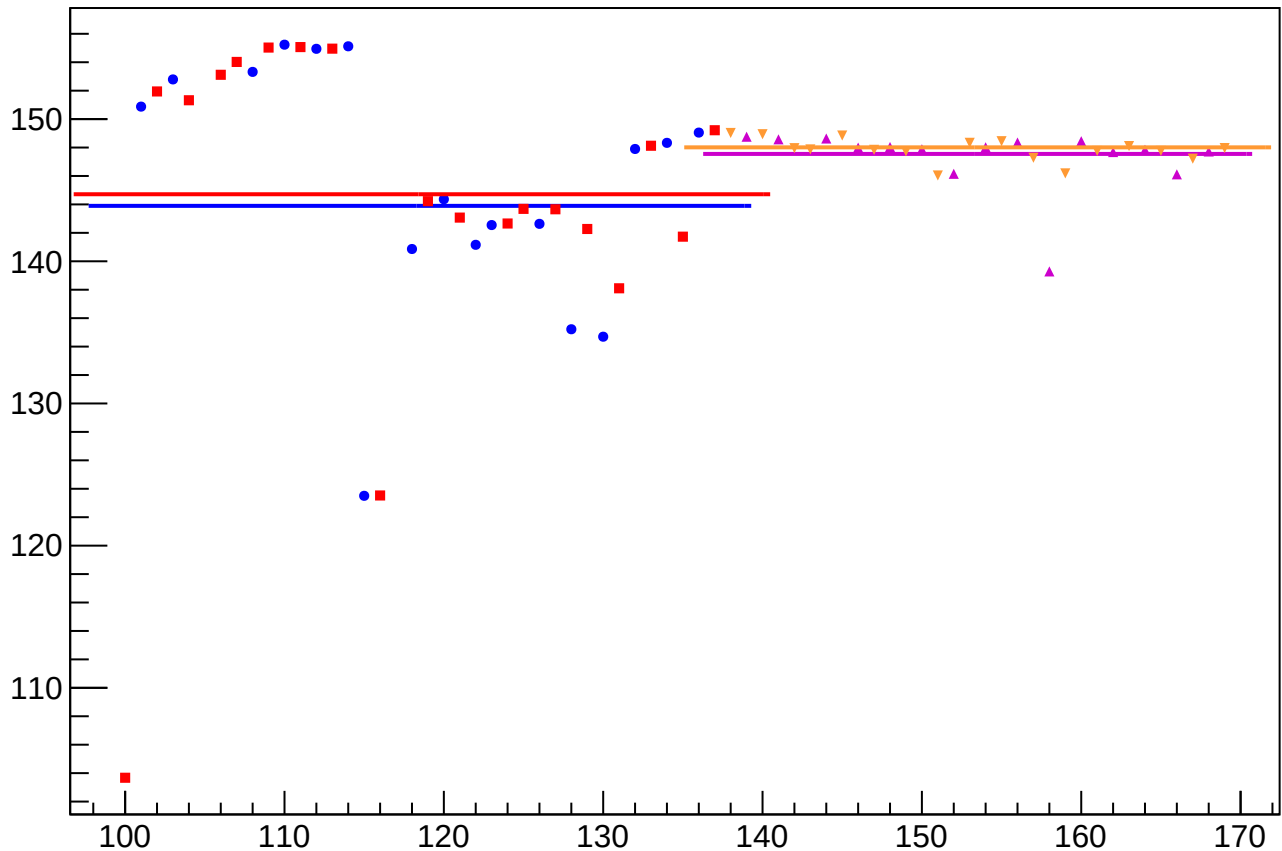
Left In: 0.406 ± 0.000 $\chi^2/\text{NDF}: 859267.7/14$

+ sign 0.365 ± 0.000 $\chi^2/\text{NDF}: 2836840.4/33$

All: 0.367 ± 0.000 $\chi^2/\text{NDF}: 5326599.6/67$

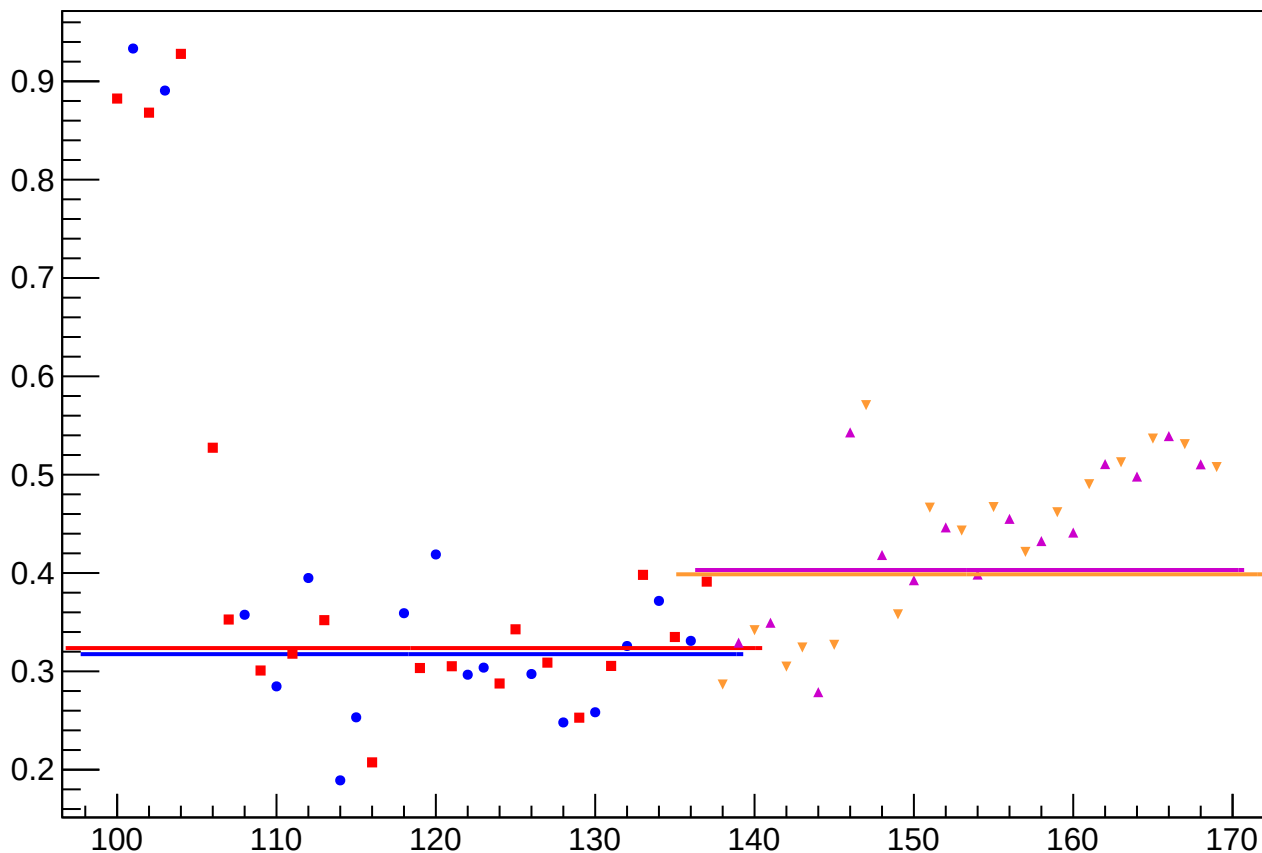
- sign 0.368 ± 0.000 $\chi^2/\text{NDF}: 2488813.7/33$

yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000	χ^2 /NDF: 3749888331.0/16	+ sign 146.243 $\pm$ 0.000	χ^2 /NDF: 4334459757.3/33
Left Out: 148.013 $\pm$ 0.000	χ^2 /NDF: 50932277.6/16	All: 146.250 $\pm$ 0.000	χ^2 /NDF: 9376831174.6
Right Out: 144.715 $\pm$ 0.000	χ^2 /NDF: 4474458988.7/18	- sign 146.258 $\pm$ 0.000	χ^2 /NDF: 5042356251.0/33
Left In: 147.551 $\pm$ 0.000	χ^2 /NDF: 322960966.7/14		

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.399 ± 0.000 χ^2/NDF : 1112279.6/16

Right Out: 0.324 ± 0.000 χ^2/NDF : 1221676.7/18

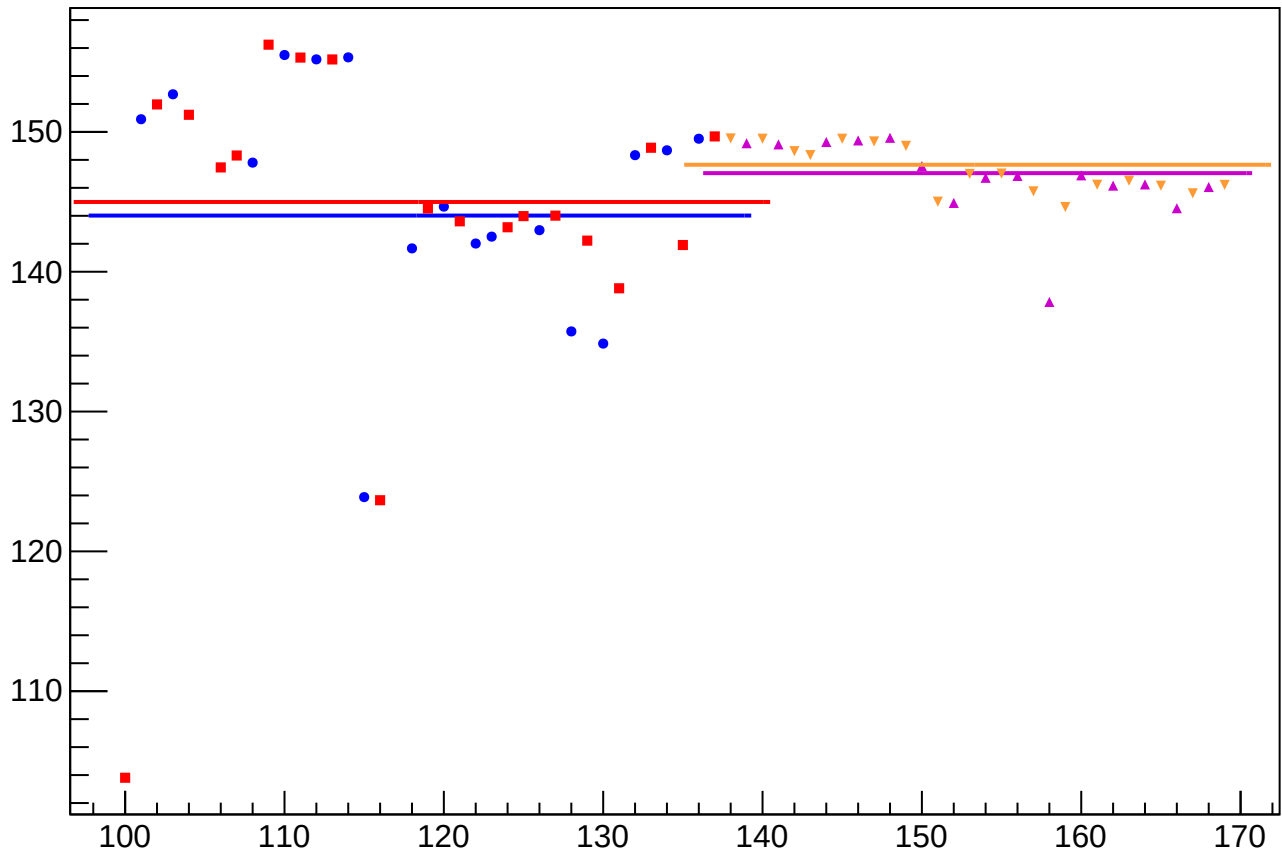
Left In: 0.403 ± 0.000 χ^2/NDF : 846334.7/14

+ sign 0.364 ± 0.000 χ^2/NDF : 2821065.7/33

All: 0.365 ± 0.000 χ^2/NDF : 5274283.0/67

- sign 0.367 ± 0.000 χ^2/NDF : 2451994.0/33

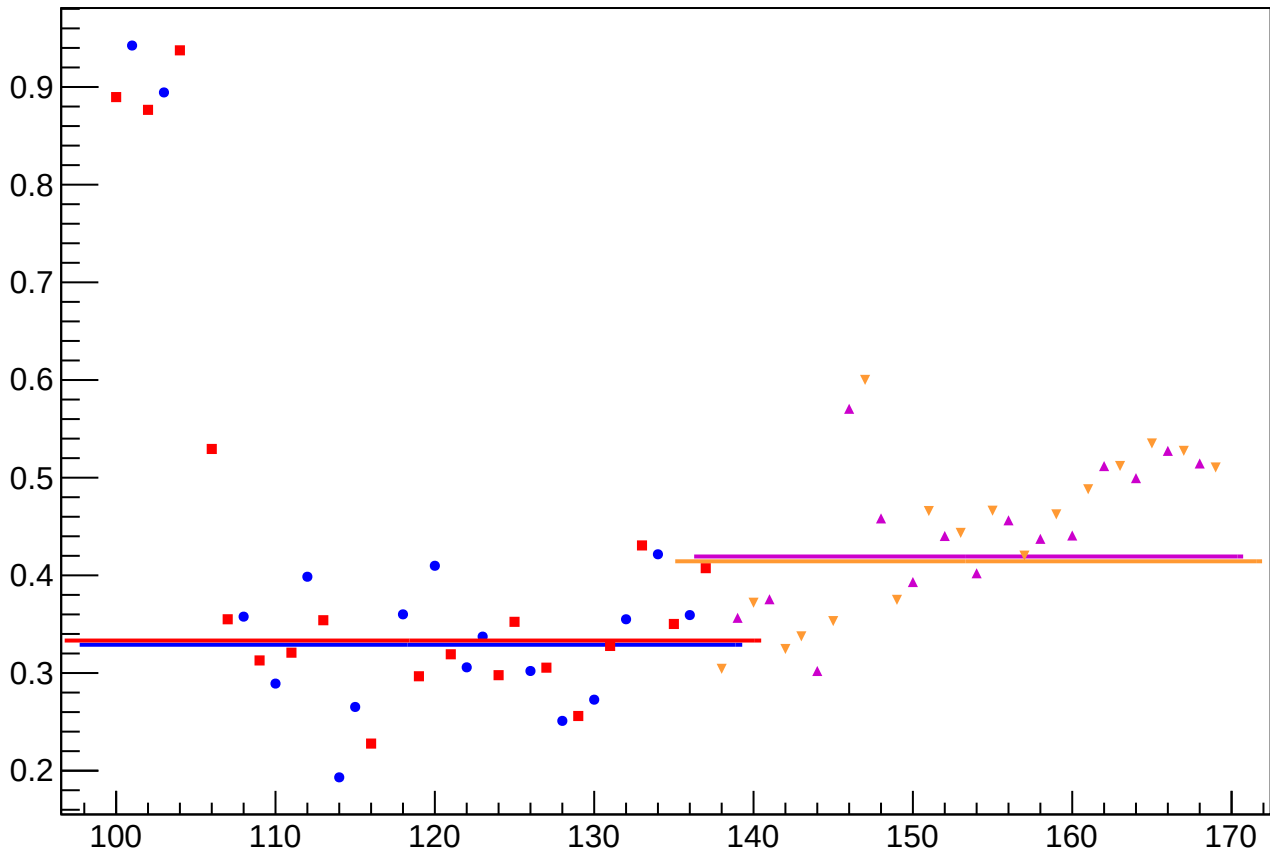
yield_bcm_dg_us_mean vs Slug



Right In: 144.018 ± 0.000 χ^2/NDF : 3238525527.6/16
 Left Out: 147.651 ± 0.000 χ^2/NDF : 195874014.7/16
 Right Out: 144.990 ± 0.000 χ^2/NDF : 3853449012.9/18
 Left In: 147.052 ± 0.000 χ^2/NDF : 500829061.8/14

+ sign 146.091 ± 0.000 χ^2/NDF : 3821426434.5/33
 All: 146.098 ± 0.000 χ^2/NDF : 8297068749.3
 - sign 146.106 ± 0.000 χ^2/NDF : 4475627957.0/33

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.414 ± 0.000 χ^2/NDF : 865348.5/16

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

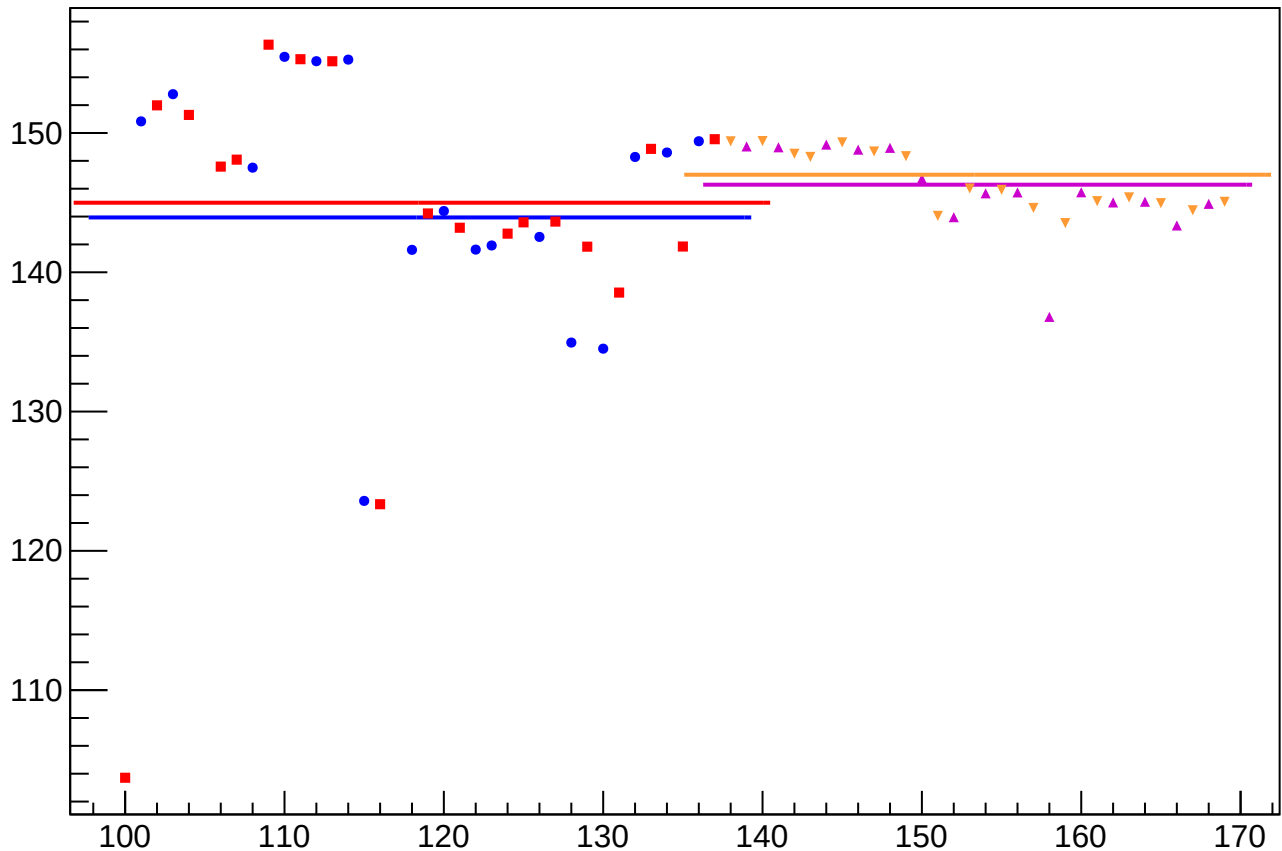
Left In: 0.419 ± 0.000 χ^2/NDF : 641513.5/14

+ sign 0.378 ± 0.000 χ^2/NDF : 2569501.4/33

All: 0.379 ± 0.000 χ^2/NDF : 4816644.7/67

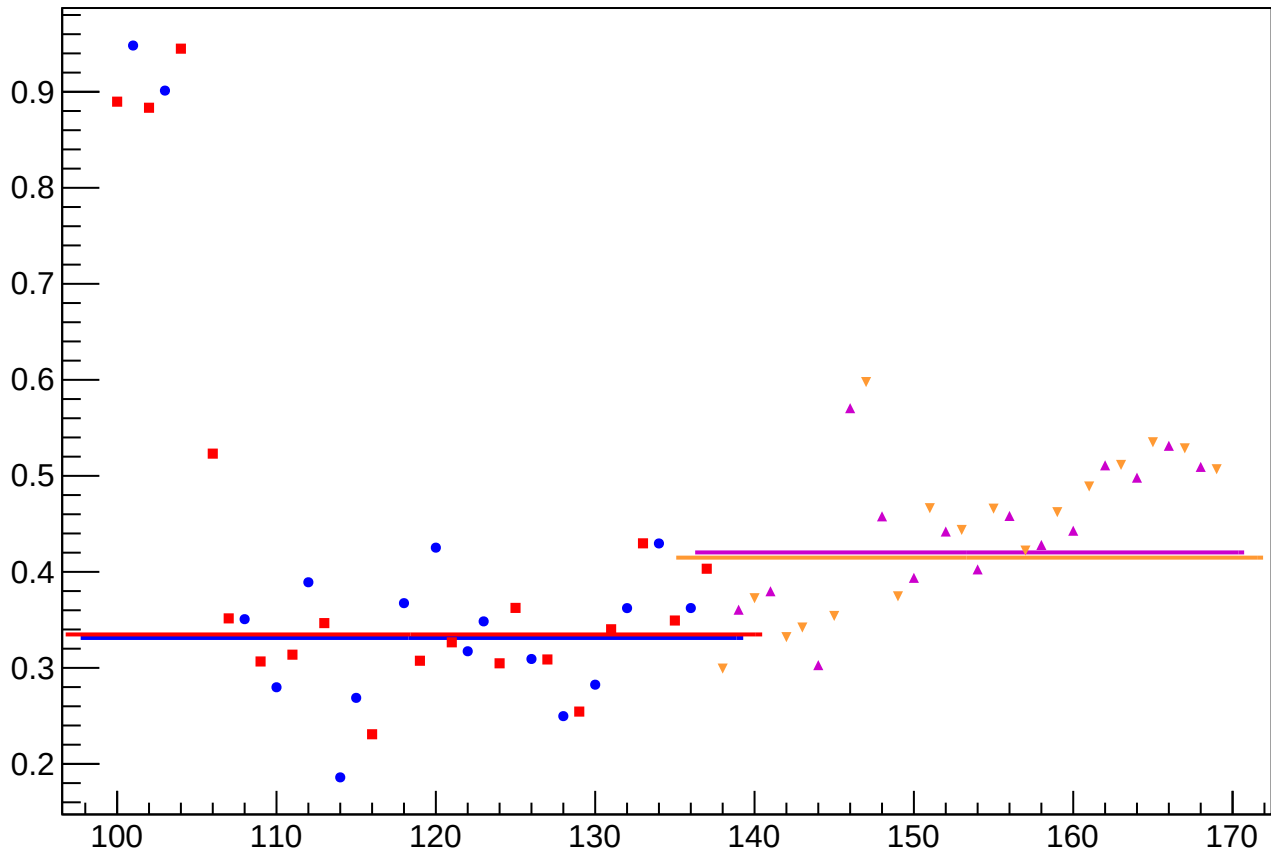
- sign 0.380 ± 0.000 χ^2/NDF : 2246607.8/33

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16
 Left Out: 147.004 $\pm$ 0.000 χ^2 /NDF:302124989.4/16
 Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3934069043.2/18
 Left In: 146.288 $\pm$ 0.000 χ^2 /NDF:617776287.9/14
 All: 145.697 $\pm$ 0.000 χ^2 /NDF: 8553224170.6
 + sign 145.697 $\pm$ 0.000 χ^2 /NDF: 3954049916.4/33
 - sign 145.697 $\pm$ 0.000 χ^2 /NDF: 4599174231.8/33

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 $\pm$ 0.000 χ^2 /NDF: 1295749.0/16

Left Out: 0.415 $\pm$ 0.000 χ^2 /NDF:860025.0/16

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1172239.8/18

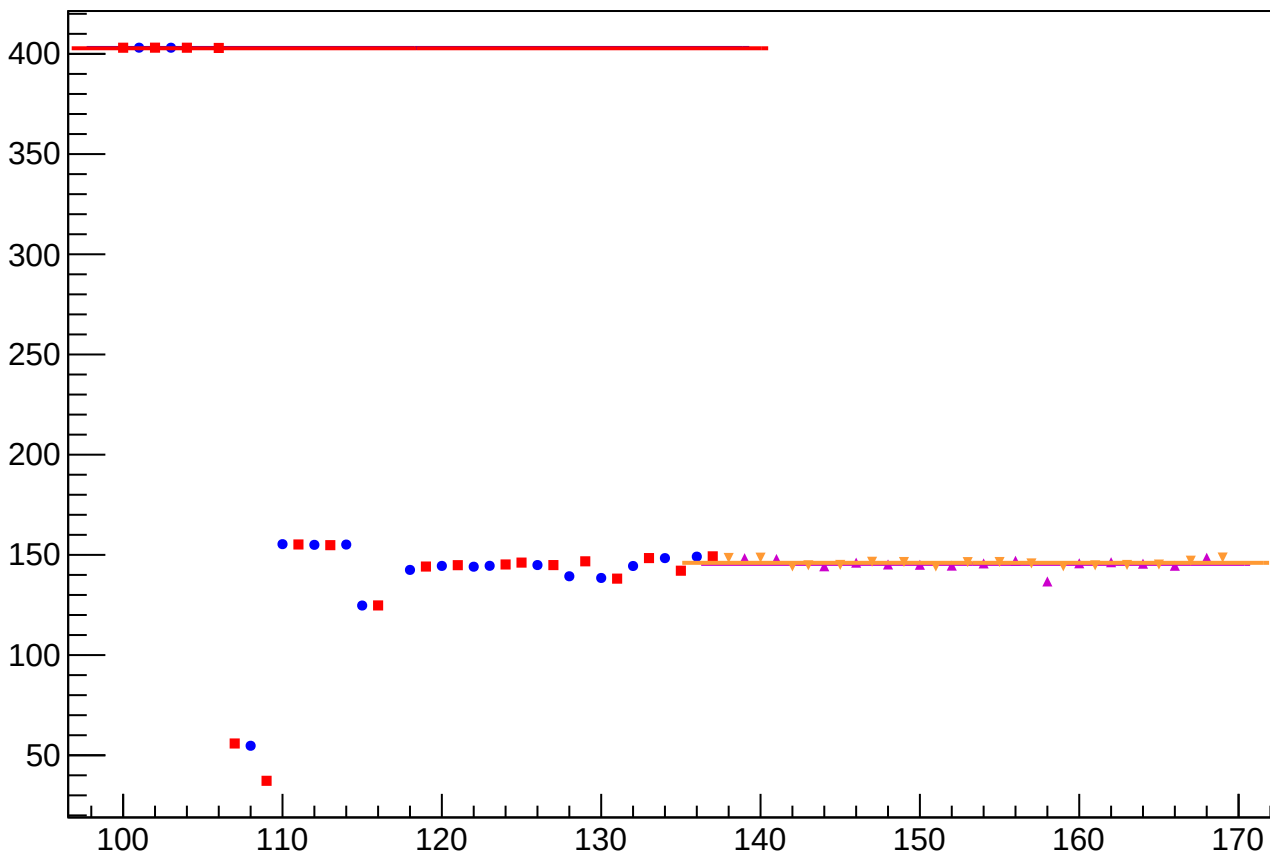
Left In: 0.420 $\pm$ 0.000 χ^2 /NDF:619555.1/14

+ sign 0.379 $\pm$ 0.000 χ^2 /NDF: 2561555.7/33

All: 0.380 $\pm$ 0.000 χ^2 /NDF: 4766860.5/67

- sign 0.381 $\pm$ 0.000 χ^2 /NDF: 2204835.8/33

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 146.035+/-0.000 χ^2/NDF :59381314.4/16

Right Out: 402.799+/-0.000 χ^2/NDF : 3103890772575.4/18

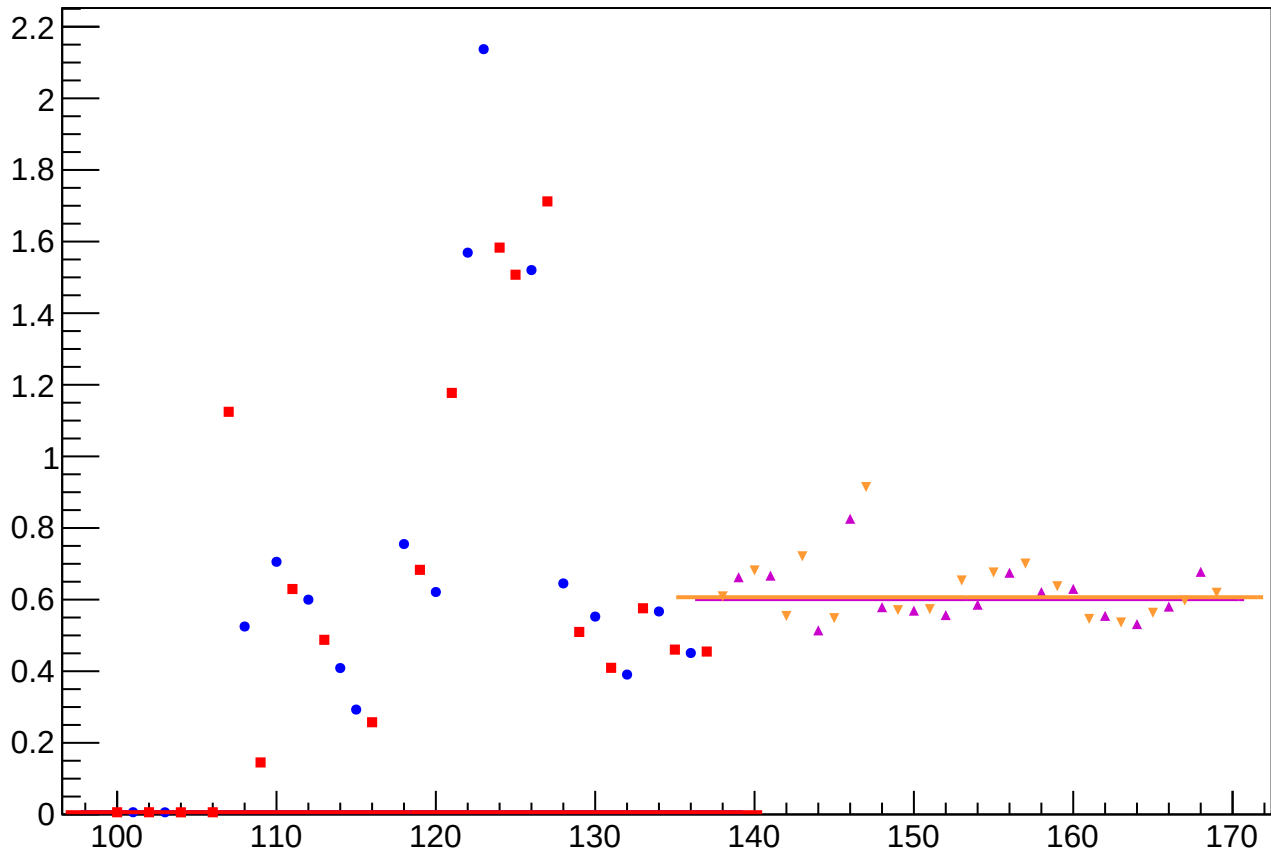
Left In: 145.504+/-0.000 χ^2/NDF :147491715.4/14

+ sign 402.750+/-0.000 χ^2/NDF : 2758587151573.8

All: 402.685+/-0.000 χ^2/NDF : 741117825994

- sign 402.628+/-0.000 χ^2/NDF : 4652345895669.3/

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.607+/-0.000 χ^2/NDF :256192.3/16

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

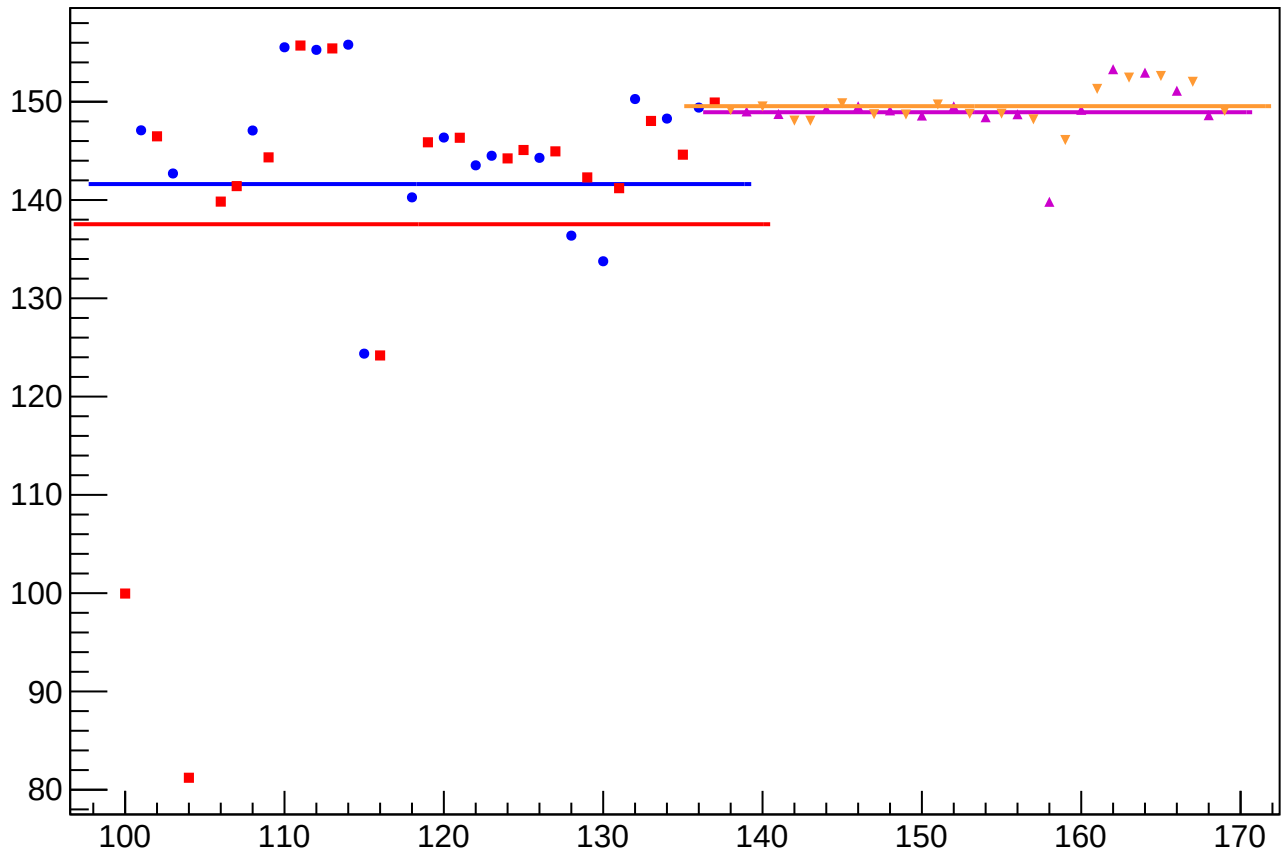
Left In: 0.601+/-0.000 χ^2/NDF :210022.5/14

+ sign 0.007+/-0.000 χ^2/NDF : 27564906.7/33

All: 0.007+/-0.000 χ^2/NDF : 53551290.4/67

- sign 0.007+/-0.000 χ^2/NDF : 25986040.5/33

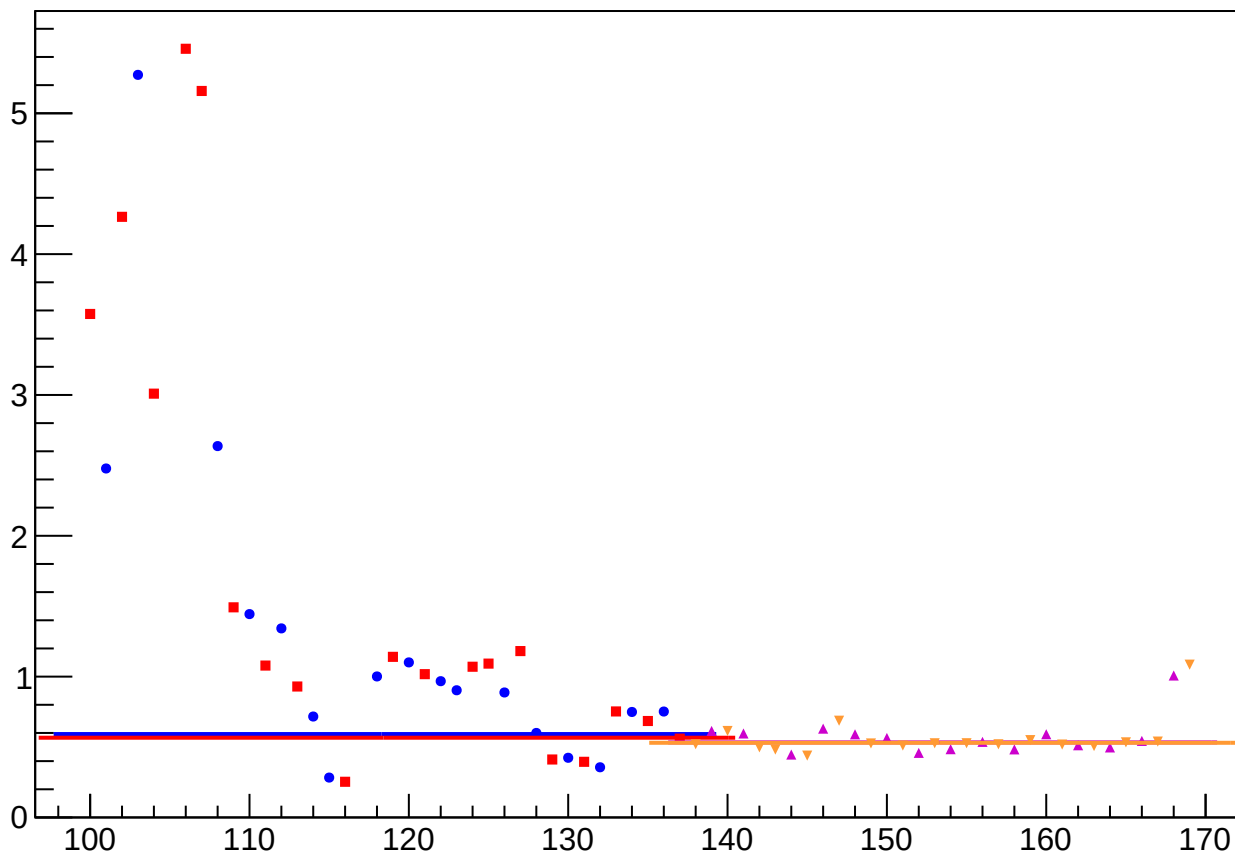
yield_cav4cQ_mean vs Slug



Right In: 141.622 ± 0.000 $\chi^2/\text{NDF}: 982037737.7/16$
 Left Out: 149.549 ± 0.000 $\chi^2/\text{NDF}: 119138973.2/16$
 Right Out: 137.536 ± 0.000 $\chi^2/\text{NDF}: 1315768553.6/18$
 Left In: 148.932 ± 0.000 $\chi^2/\text{NDF}: 363121639.1/14$

+ sign 147.916 ± 0.000 $\chi^2/\text{NDF}: 1606030402.9/33$
 All: 147.139 ± 0.000 $\chi^2/\text{NDF}: 4408452319.8$
 - sign 146.315 ± 0.000 $\chi^2/\text{NDF}: 2741394421.0/33$

yield_cav4cQ_rms vs Slug



Right In: 0.592+/-0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.530+/-0.000 χ^2/NDF : 527684.3/16

Right Out: 0.566+/-0.000 χ^2/NDF : 4682140.9/18

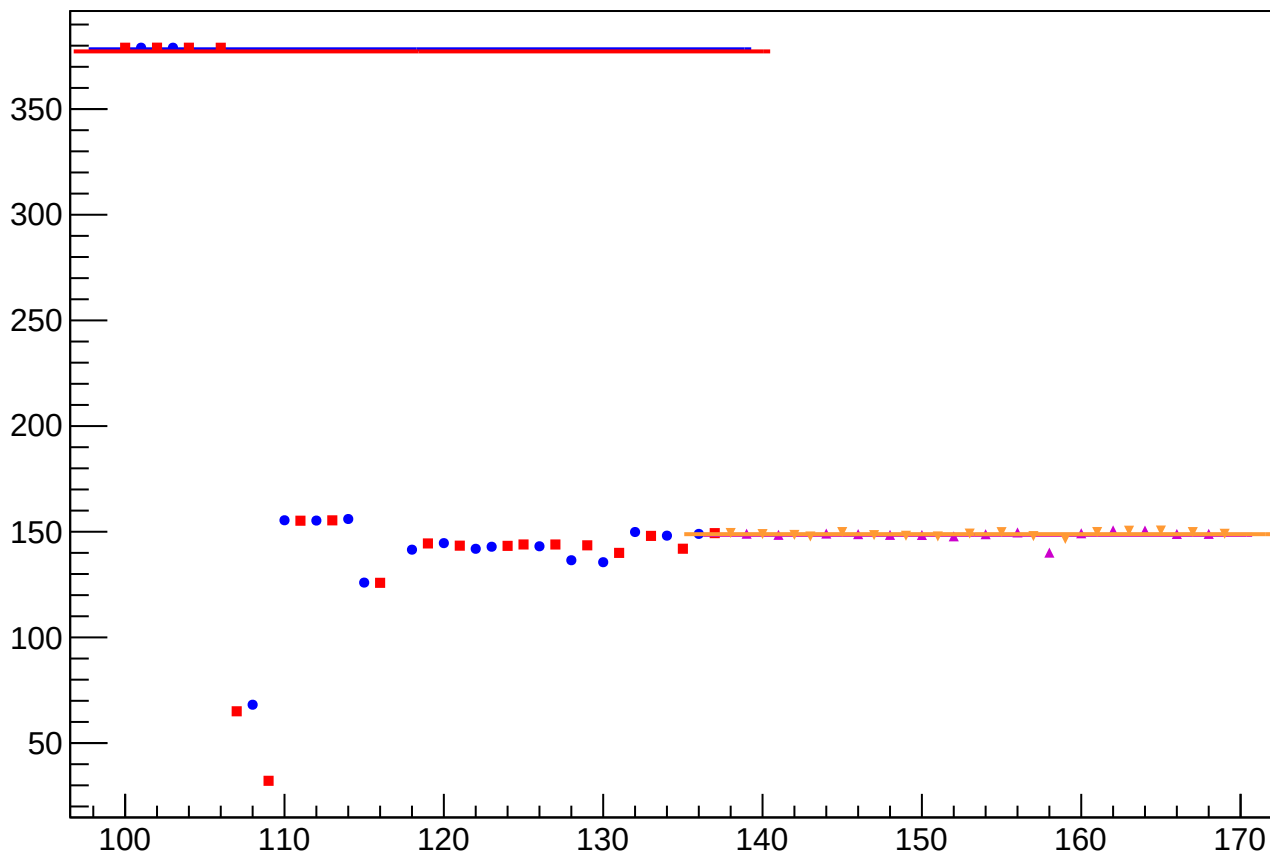
Left In: 0.533+/-0.000 χ^2/NDF : 544395.5/14

+ sign 0.543+/-0.000 χ^2/NDF : 4111092.0/33

All: 0.542+/-0.000 χ^2/NDF : 9355794.9/67

- sign 0.541+/-0.000 χ^2/NDF : 5244445.6/33

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.843+/-0.000 χ^2/NDF : 59976667.2/16

Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18

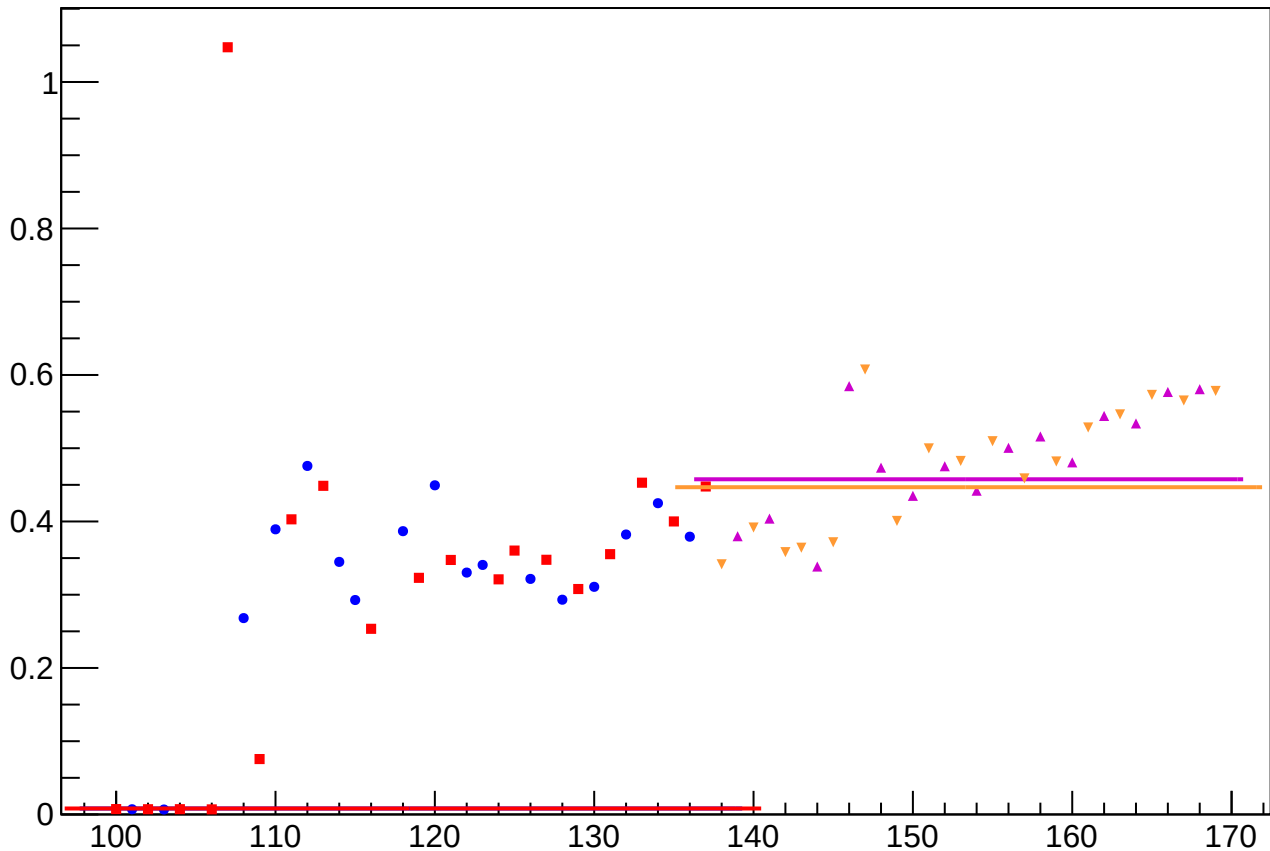
Left In: 148.531+/-0.000 χ^2/NDF : 233424625.0/14

+ sign 377.264+/-0.000 χ^2/NDF : 5621855255124.4

All: 376.856+/-0.000 χ^2/NDF : 166528147960.0

- sign 376.498+/-0.000 χ^2/NDF : 11026786296561.4

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9885759.8/16

Left Out: 0.447 $\pm$ 0.000 χ^2 /NDF: 814481.0/16

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9535410.6/18

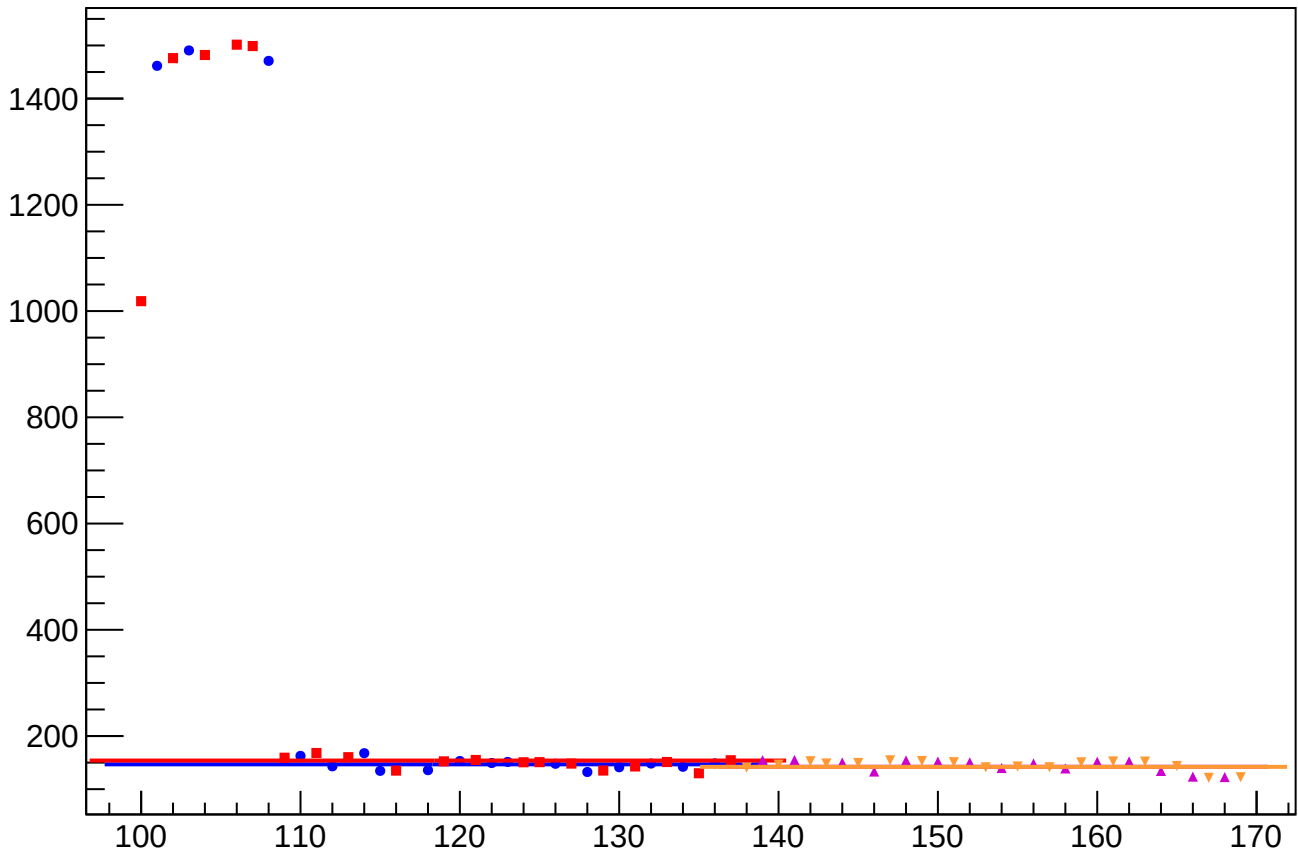
Left In: 0.458 $\pm$ 0.000 χ^2 /NDF: 593322.0/14

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 33431193.5/33

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 64771722.4/67

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 31338556.2/33

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 141.972+/-0.000 χ^2/NDF : 1865719573.7/16

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

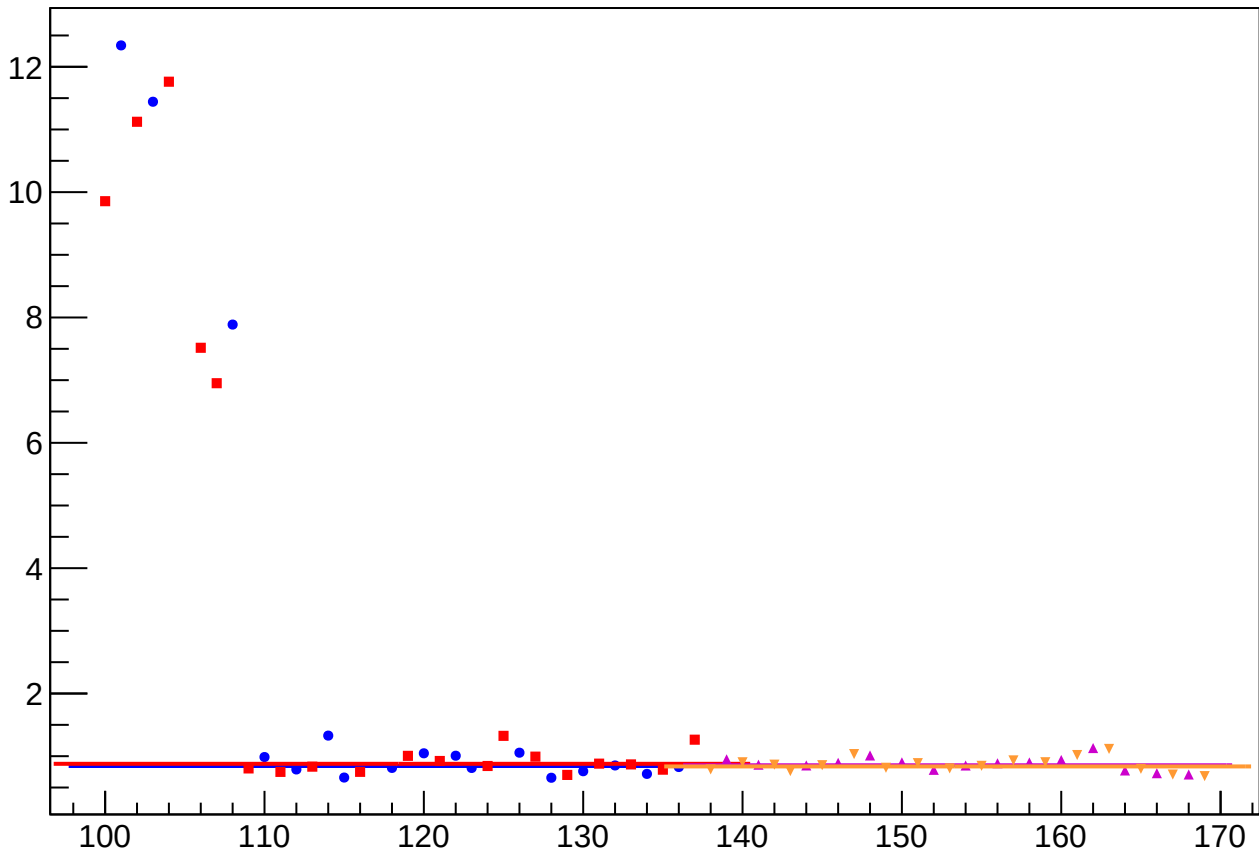
Left In: 142.133+/-0.000 χ^2/NDF : 1769687290.6/14

+ sign 143.250+/-0.000 χ^2/NDF : 26304931962.2/33

All: 144.343+/-0.000 χ^2/NDF : 62382050750.0

- sign 145.530+/-0.000 χ^2/NDF : 36027546751.1/33

yield_bcm0l02_rms vs Slug



Right In: 0.844 ± 0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.837 ± 0.000 χ^2/NDF : 349968.8/16

Right Out: 0.878 ± 0.000 χ^2/NDF : 2812500.6/18

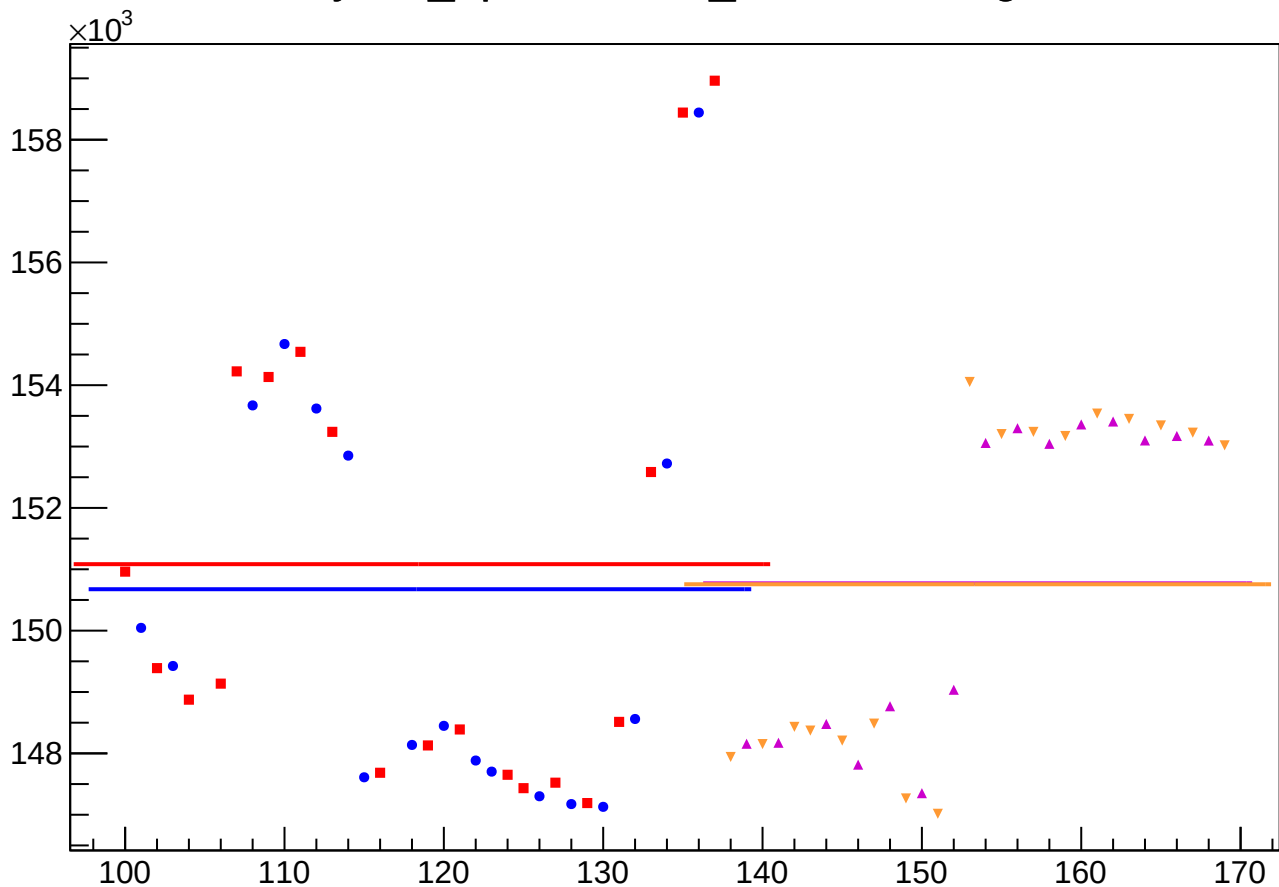
Left In: 0.855 ± 0.000 χ^2/NDF : 267727.0/14

+ sign 0.838 ± 0.000 χ^2/NDF : 3020829.0/33

All: 0.850 ± 0.000 χ^2/NDF : 6115477.1/67

- sign 0.862 ± 0.000 χ^2/NDF : 3084313.5/33

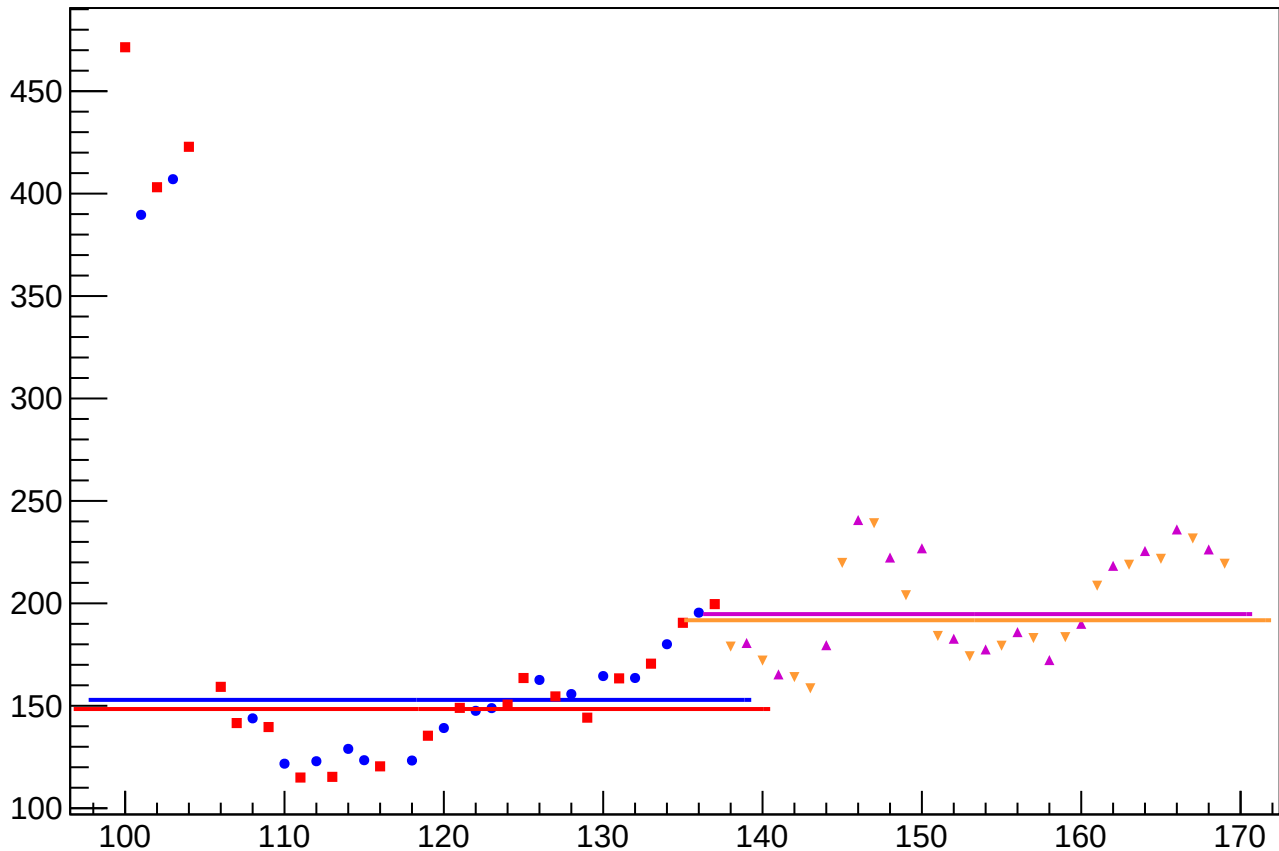
yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 ± 0.063 $\chi^2/\text{NDF}: 3309974859.4/16$
 Left Out: 150755.915 ± 0.055 $\chi^2/\text{NDF}: 2536290109.0/16$
 Right Out: 151083.268 ± 0.060 $\chi^2/\text{NDF}: 3300830370.5/18$
 Left In: 150770.943 ± 0.058 $\chi^2/\text{NDF}: 1823683941.0/14$

+ sign 150721.200 ± 0.041 $\chi^2/\text{NDF}: 5847207175.0/16$
 All: 150820.951 ± 0.029 $\chi^2/\text{NDF}: 109976315.0/16$
 - sign 150921.984 ± 0.042 $\chi^2/\text{NDF}: 5138651734.5/16$

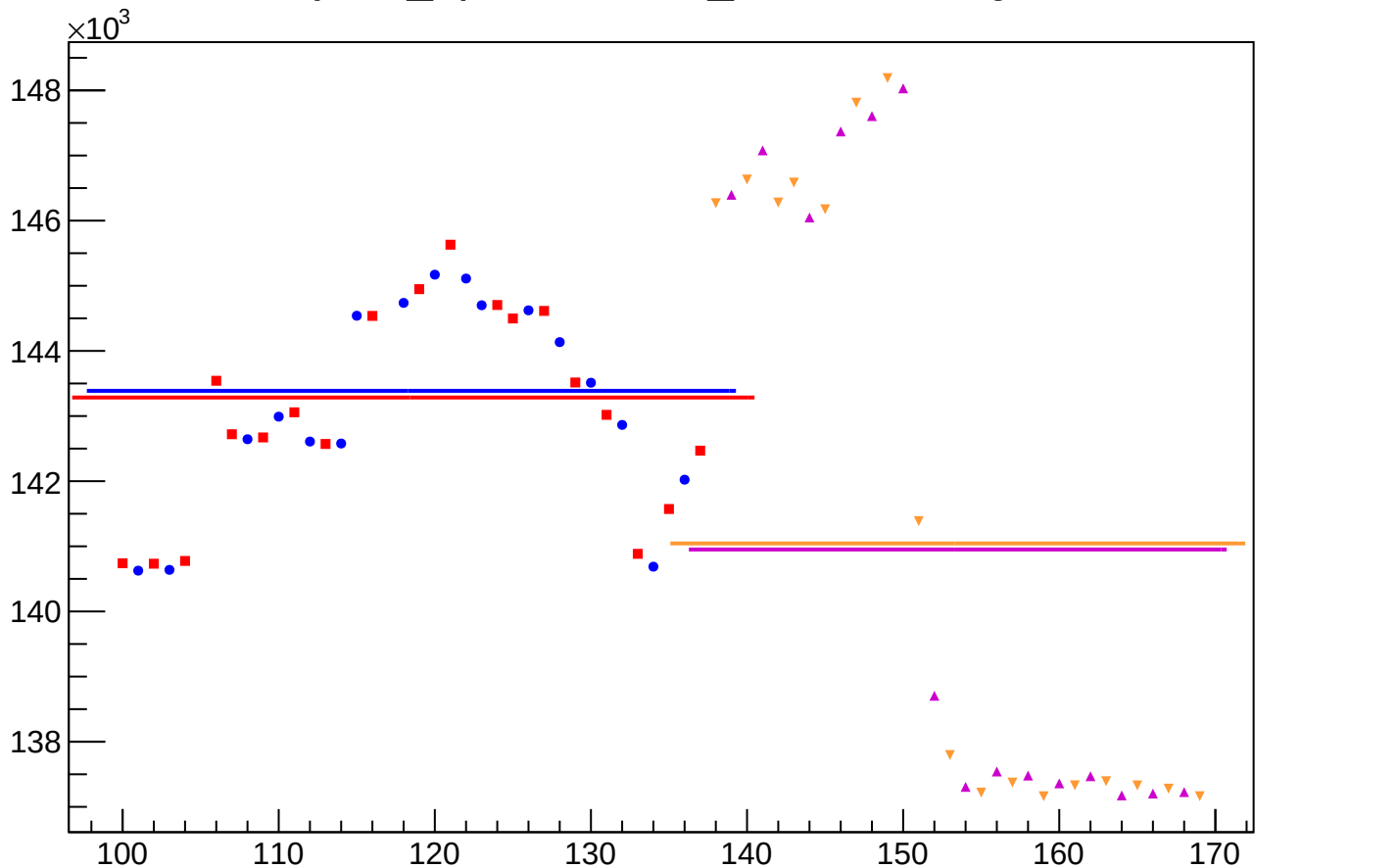
yield_bpm0i01WS_rms vs Slug



Right In: 152.883 ± 0.045 χ^2/NDF : 1154088.7/16
 Left Out: 191.754 ± 0.039 χ^2/NDF : 359150.2/16
 Right Out: 148.418 ± 0.042 χ^2/NDF : 1191577.6/18
 Left In: 194.755 ± 0.041 χ^2/NDF : 349993.4/14

+ sign 175.072 ± 0.029 χ^2/NDF : 1948399.0/33
 All: 173.718 ± 0.021 χ^2/NDF : 4116661.9/67
 - sign 172.346 ± 0.029 χ^2/NDF : 2163922.6/33

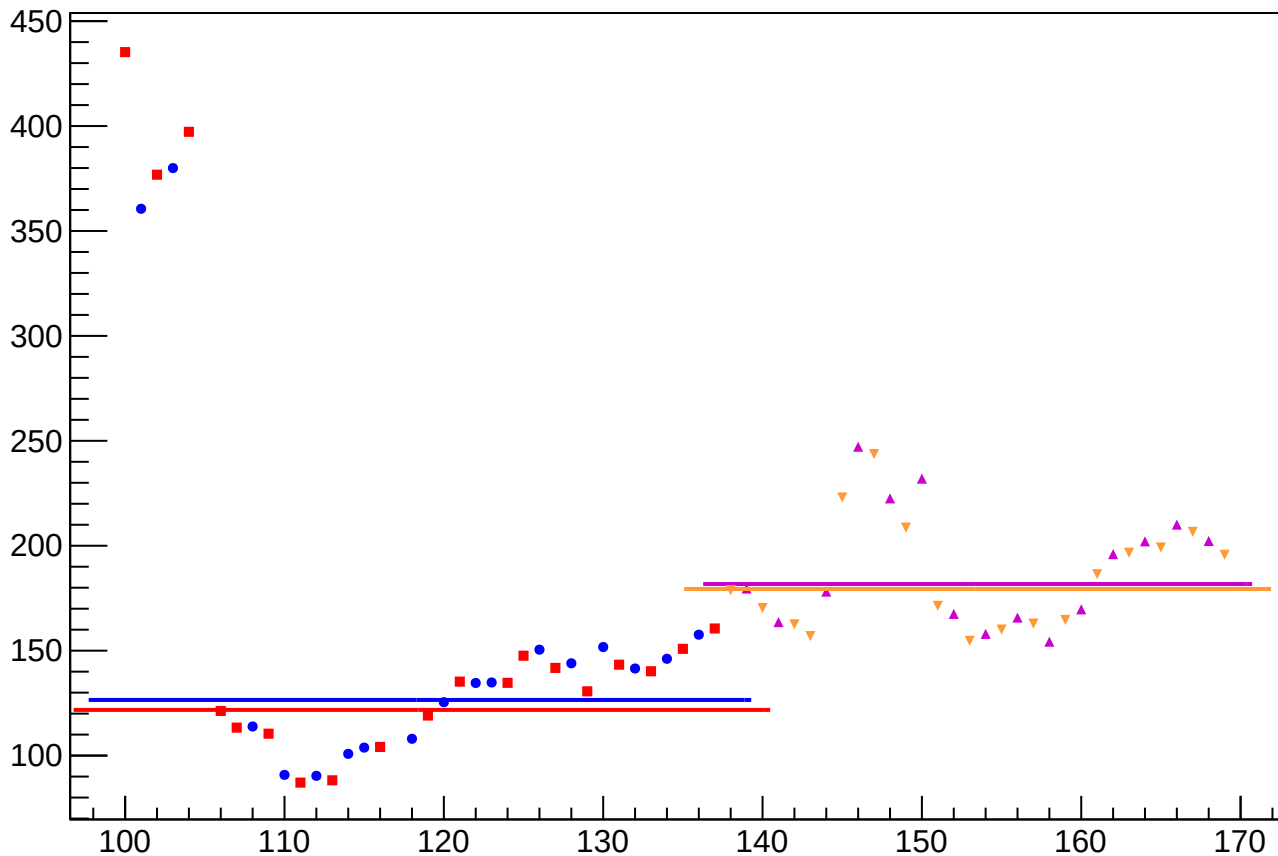
yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 ± 0.053 $\chi^2/\text{NDF}: 521299875.7/16$
 Left Out: 141044.409 ± 0.051 $\chi^2/\text{NDF}: 7592984833.4/16$
 Right Out: 143284.757 ± 0.049 $\chi^2/\text{NDF}: 608634820.1/18$
 Left In: 140950.953 ± 0.054 $\chi^2/\text{NDF}: 7098684544.1/14$

+ sign 142180.394 ± 0.037 $\chi^2/\text{NDF}: 9131238561.1/16$
 All: 142205.442 ± 0.026 $\chi^2/\text{NDF}: 178605213.4/16$
 - sign 142229.995 ± 0.036 $\chi^2/\text{NDF}: 8728360905.4/16$

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 179.399 $\pm$ 0.036 χ^2 /NDF: 395609.2/16

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

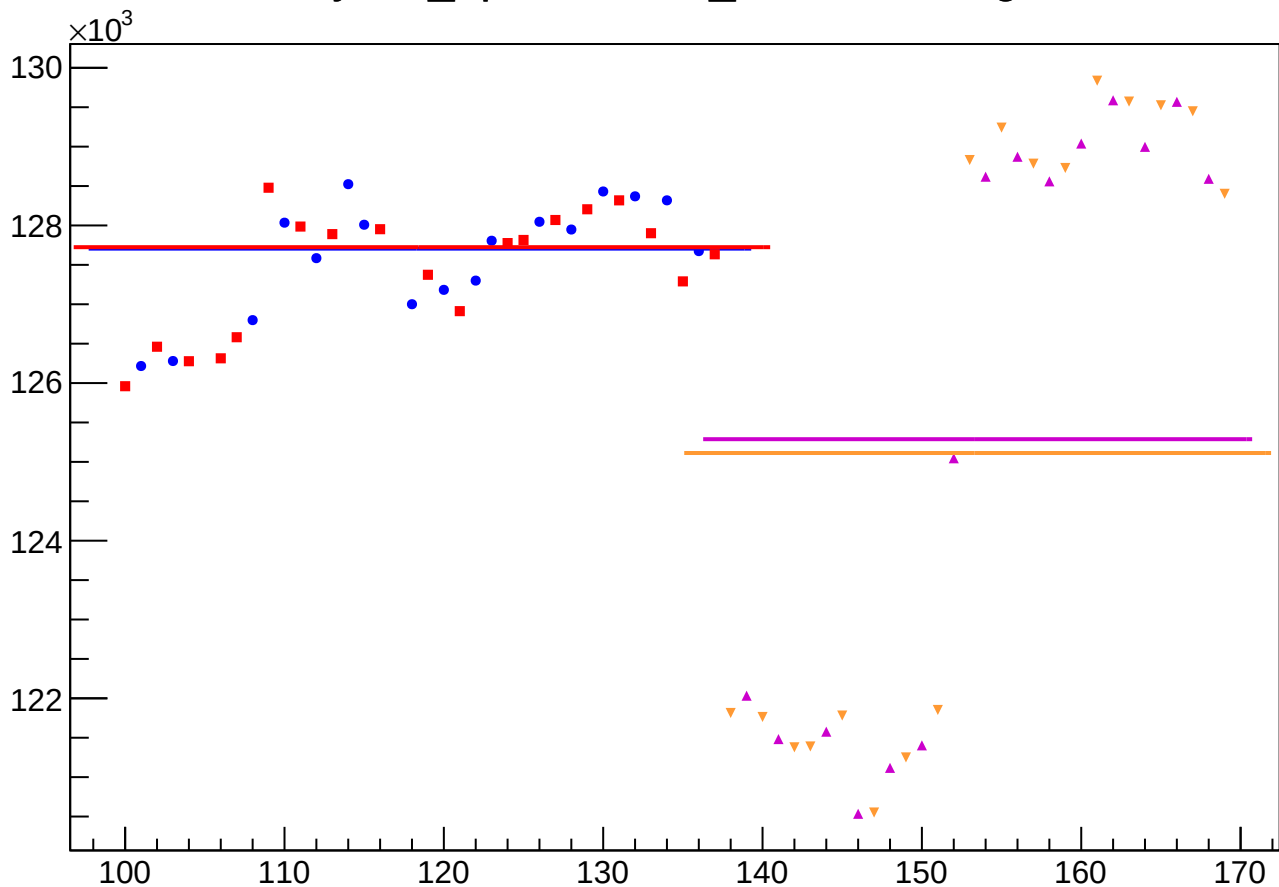
Left In: 181.765 $\pm$ 0.038 χ^2 /NDF: 444729.6/14

+ sign 153.755 $\pm$ 0.026 χ^2 /NDF: 2873775.4/33

All: 151.296 $\pm$ 0.018 χ^2 /NDF: 6149504.3/67

- sign 148.886 $\pm$ 0.026 χ^2 /NDF: 3257967.9/33

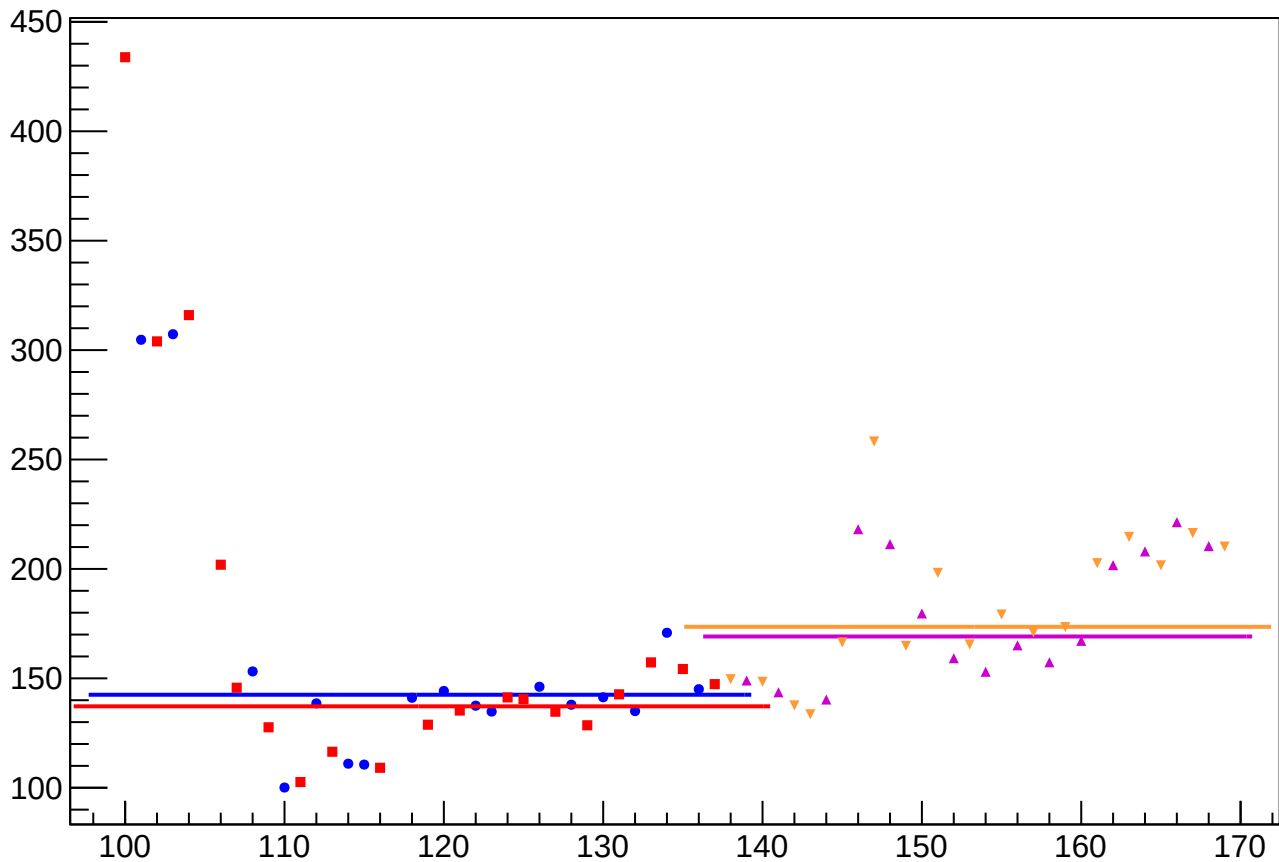
yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16
 Left Out: 125112.734 $\pm$ 0.050 χ^2 /NDF: 5719682949.5/16
 Right Out: 127724.256 $\pm$ 0.055 χ^2 /NDF: 112614317.2/18
 Left In: 125287.956 $\pm$ 0.051 χ^2 /NDF: 4980075711.3/14

+ sign 126219.727 $\pm$ 0.038 χ^2 /NDF: 6961189659.1
 All: 126320.370 $\pm$ 0.027 χ^2 /NDF: 131390808
 - sign 126416.725 $\pm$ 0.037 χ^2 /NDF: 6164111508.3/14

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 173.545 $\pm$ 0.035 χ^2 /NDF: 670441.6/16

Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

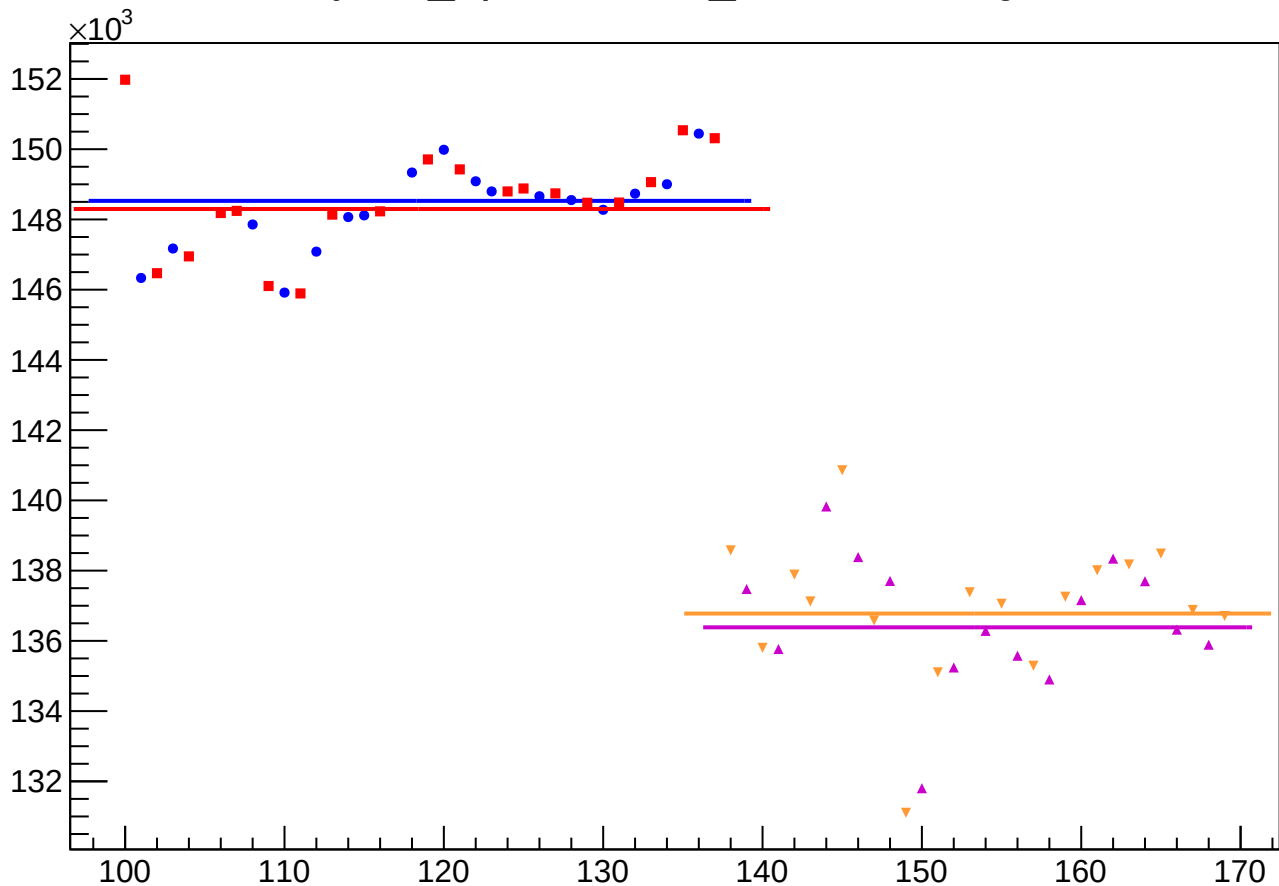
Left In: 169.127 $\pm$ 0.036 χ^2 /NDF: 533271.7/14

+ sign 160.294 $\pm$ 0.027 χ^2 /NDF: 1834416.7/33

All: 157.252 $\pm$ 0.019 χ^2 /NDF: 3717921.1/67

- sign 154.340 $\pm$ 0.026 χ^2 /NDF: 1858331.1/33

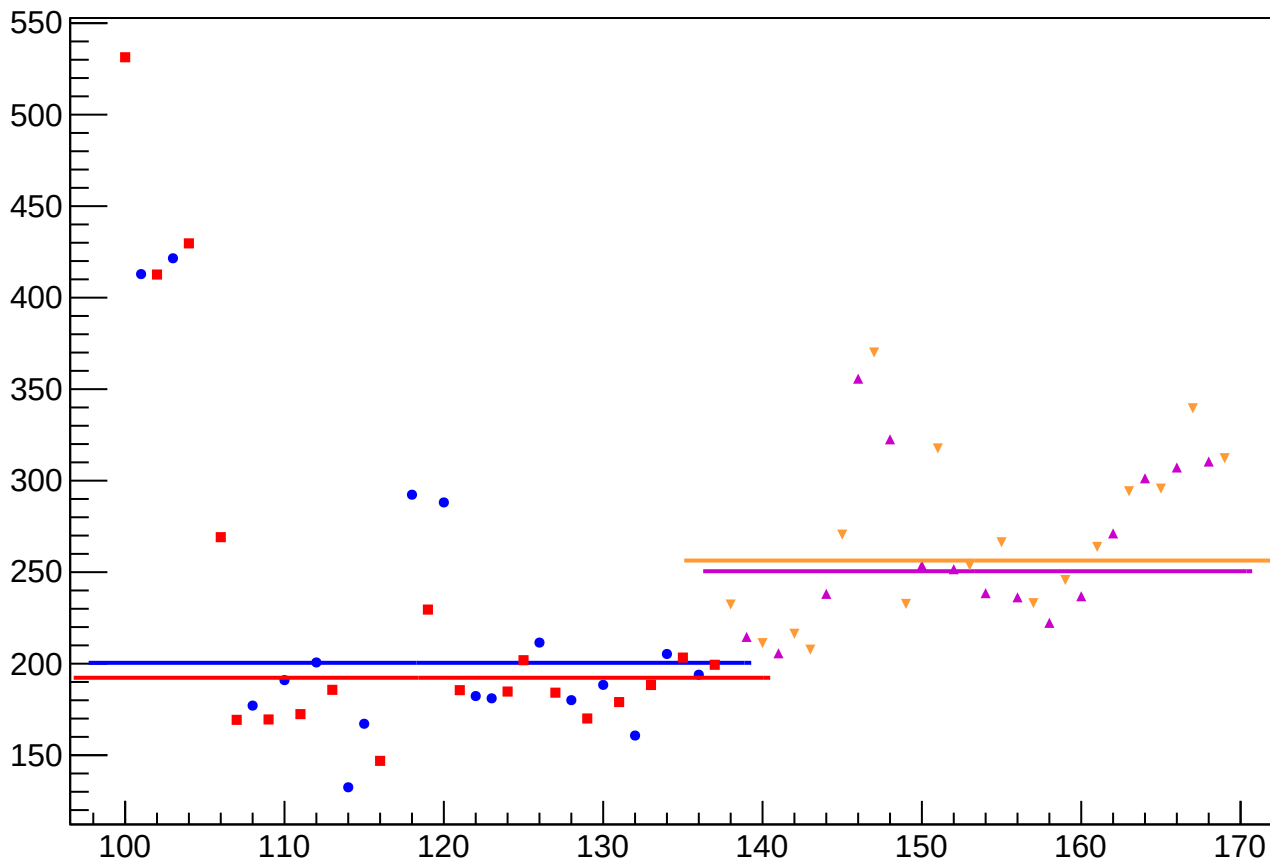
yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$
 Left Out: 136777.963 ± 0.074 $\chi^2/\text{NDF}: 829762585.6/16$
 Right Out: 148297.126 ± 0.076 $\chi^2/\text{NDF}: 293244556.5/18$
 Left In: 136385.453 ± 0.075 $\chi^2/\text{NDF}: 639565223.7/14$

+ sign 142017.381 ± 0.055 $\chi^2/\text{NDF}: 12399609626.$
 All: 142116.270 ± 0.038 $\chi^2/\text{NDF}: 257568353.$
 - sign 142210.281 ± 0.053 $\chi^2/\text{NDF}: 13350874007.2$

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 256.355 $\pm$ 0.052 χ^2 /NDF: 620100.5/16

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

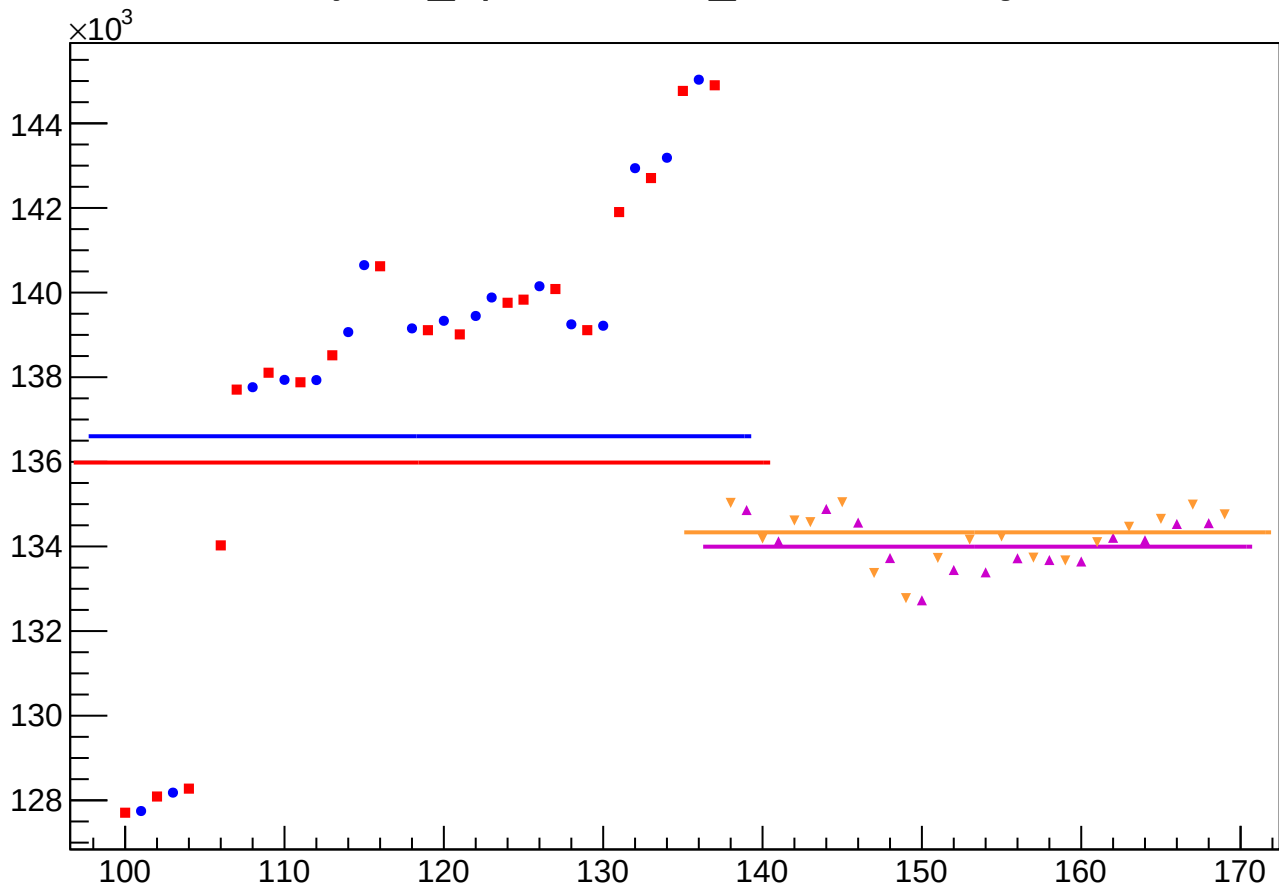
Left In: 250.517 $\pm$ 0.053 χ^2 /NDF: 517898.2/14

+ sign 231.439 $\pm$ 0.039 χ^2 /NDF: 2070483.1/33

All: 226.626 $\pm$ 0.027 χ^2 /NDF: 4056136.3/67

- sign 222.051 $\pm$ 0.038 χ^2 /NDF: 1955566.5/33

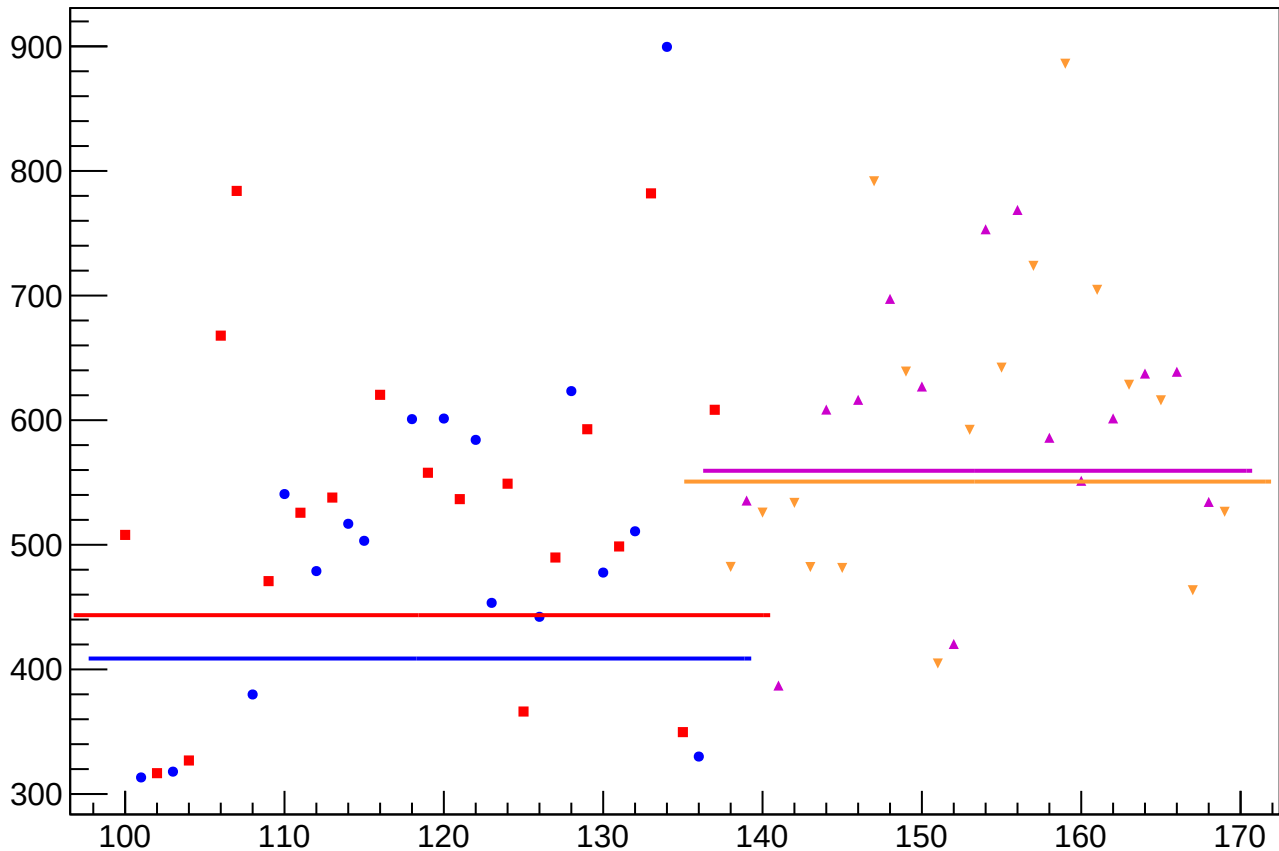
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 ± 0.171 $\chi^2/\text{NDF}: 1494354557.3/16$
 Left Out: 134333.488 ± 0.166 $\chi^2/\text{NDF}: 13334401.5/16$
 Right Out: 135982.842 ± 0.183 $\chi^2/\text{NDF}: 1082431147.9/18$
 Left In: 133994.751 ± 0.180 $\chi^2/\text{NDF}: 10352538.7/14$

+ sign 135434.795 ± 0.119 $\chi^2/\text{NDF}: 1598085653.2$
 All: 135220.867 ± 0.087 $\chi^2/\text{NDF}: 275787650$
 - sign 134974.100 ± 0.128 $\chi^2/\text{NDF}: 1152875793.5$

yield_bpm0l03WS_rms vs Slug



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 550.728+/-0.118 χ^2/NDF : 882751.7/16

Right Out: 443.521+/-0.129 χ^2/NDF : 917492.4/18

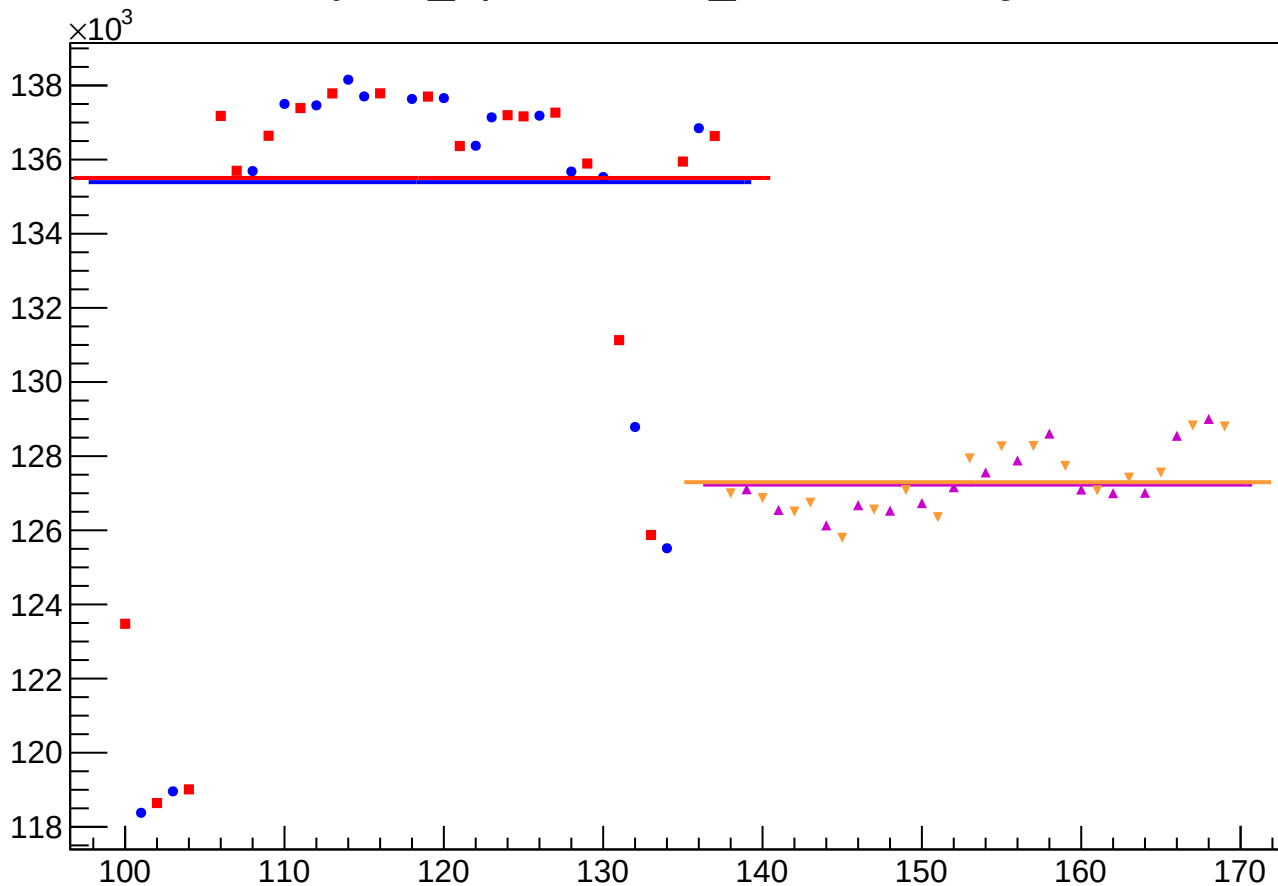
Left In: 559.397+/-0.127 χ^2/NDF : 740442.3/14

+ sign 481.871+/-0.084 χ^2/NDF : 2412755.0/33

All: 491.365+/-0.062 χ^2/NDF : 4506206.2/67

- sign 502.315+/-0.091 χ^2/NDF : 2066214.3/33

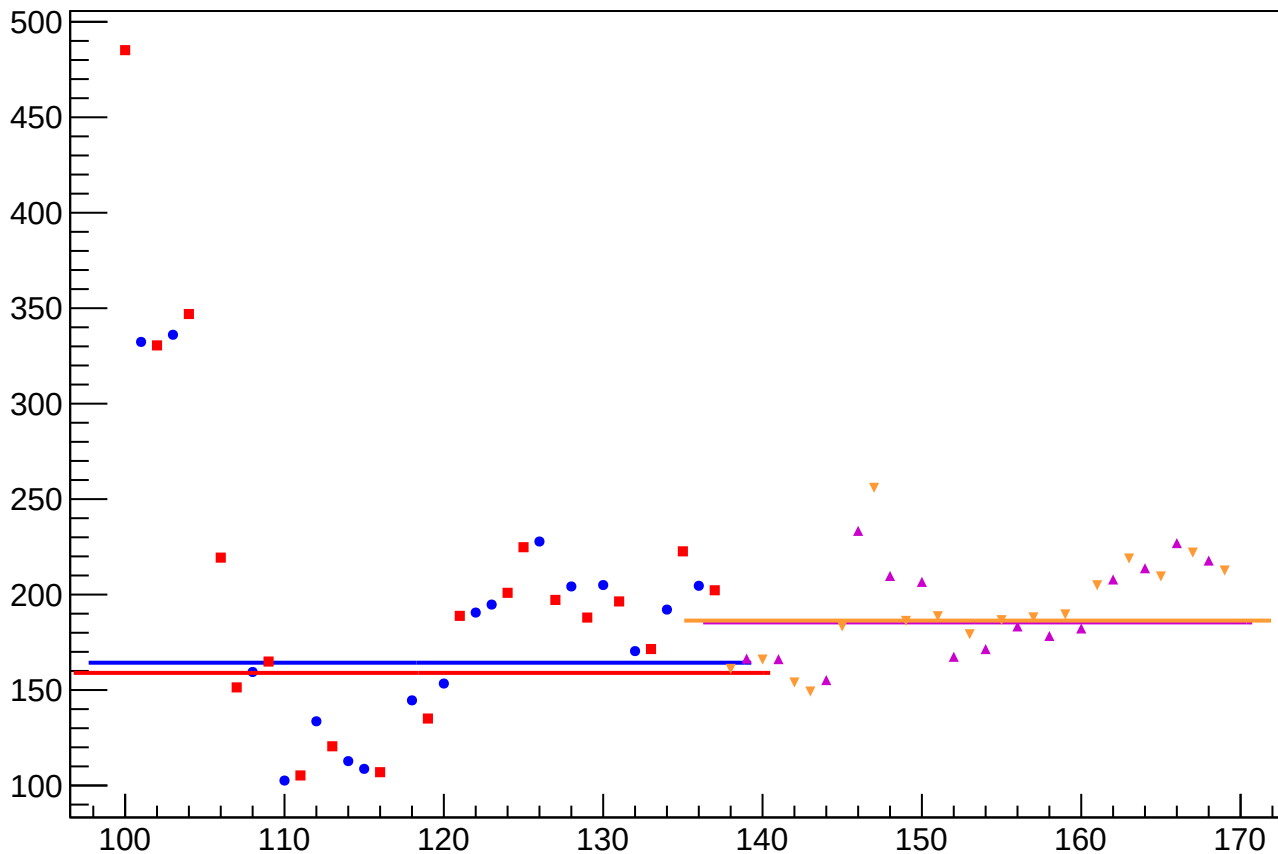
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127298.335 $\pm$ 0.053 χ^2 /NDF: 238642280.9/16
 Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18
 Left In: 127232.038 $\pm$ 0.055 χ^2 /NDF: 212225992.3/14

+ sign 130363.880 $\pm$ 0.042 χ^2 /NDF: 13550270210.
 All: 130548.863 $\pm$ 0.030 χ^2 /NDF: 280534307.
 - sign 130732.734 $\pm$ 0.042 χ^2 /NDF: 14464504939.2

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 $\pm$ 0.048 χ^2 /NDF: 1230487.8/16

Left Out: 186.371 $\pm$ 0.038 χ^2 /NDF: 417701.7/16

Right Out: 158.977 $\pm$ 0.046 χ^2 /NDF: 1384059.2/18

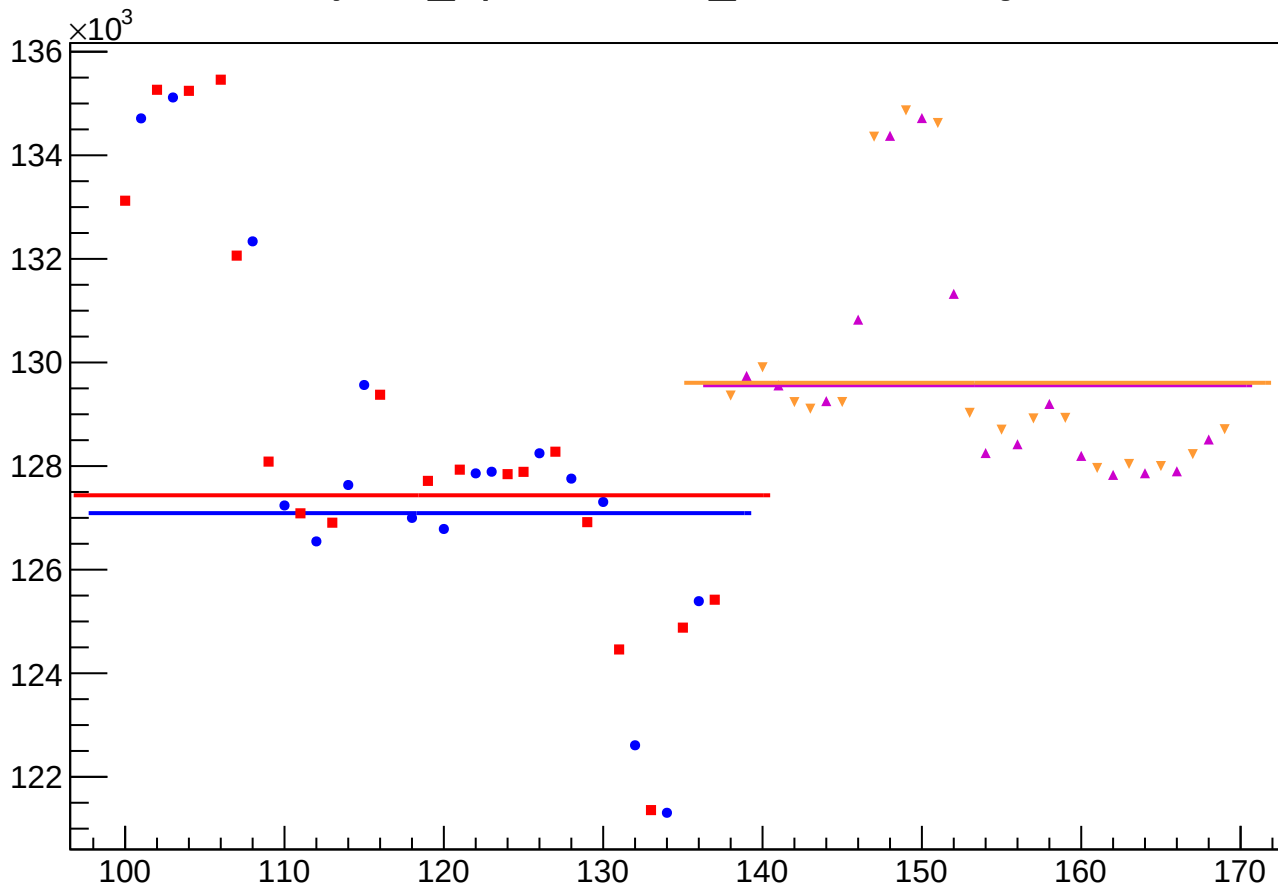
Left In: 185.413 $\pm$ 0.039 χ^2 /NDF: 353659.1/14

+ sign 178.015 $\pm$ 0.030 χ^2 /NDF: 1777936.4/33

All: 176.115 $\pm$ 0.021 χ^2 /NDF: 3718265.4/67

- sign 174.227 $\pm$ 0.030 χ^2 /NDF: 1932173.3/33

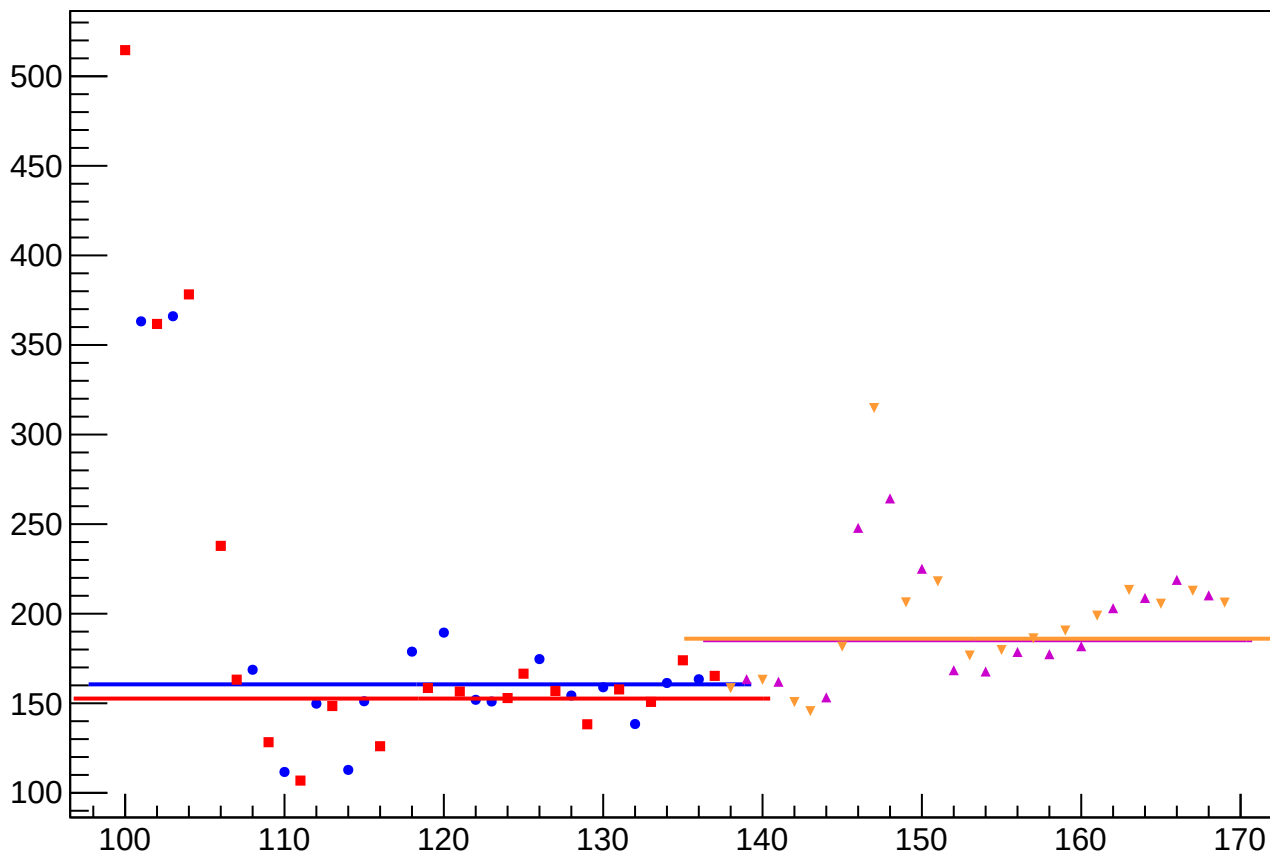
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16
 Left Out: 129607.986 $\pm$ 0.054 χ^2 /NDF:1335933502.2/16
 Right Out: 127436.101 $\pm$ 0.062 χ^2 /NDF: 2079075713.9/18
 Left In: 129560.228 $\pm$ 0.055 χ^2 /NDF:1091681704.7/14

+ sign 128614.601 $\pm$ 0.042 χ^2 /NDF: 3925008797.9
 All: 128612.489 $\pm$ 0.029 χ^2 /NDF: 775431822
 - sign 128610.427 $\pm$ 0.041 χ^2 /NDF: 3829304343.4/

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 ± 0.047 χ^2/NDF : 942747.0/16

Left Out: 186.045 ± 0.038 χ^2/NDF : 614224.1/16

Right Out: 152.629 ± 0.044 χ^2/NDF : 1086504.4/18

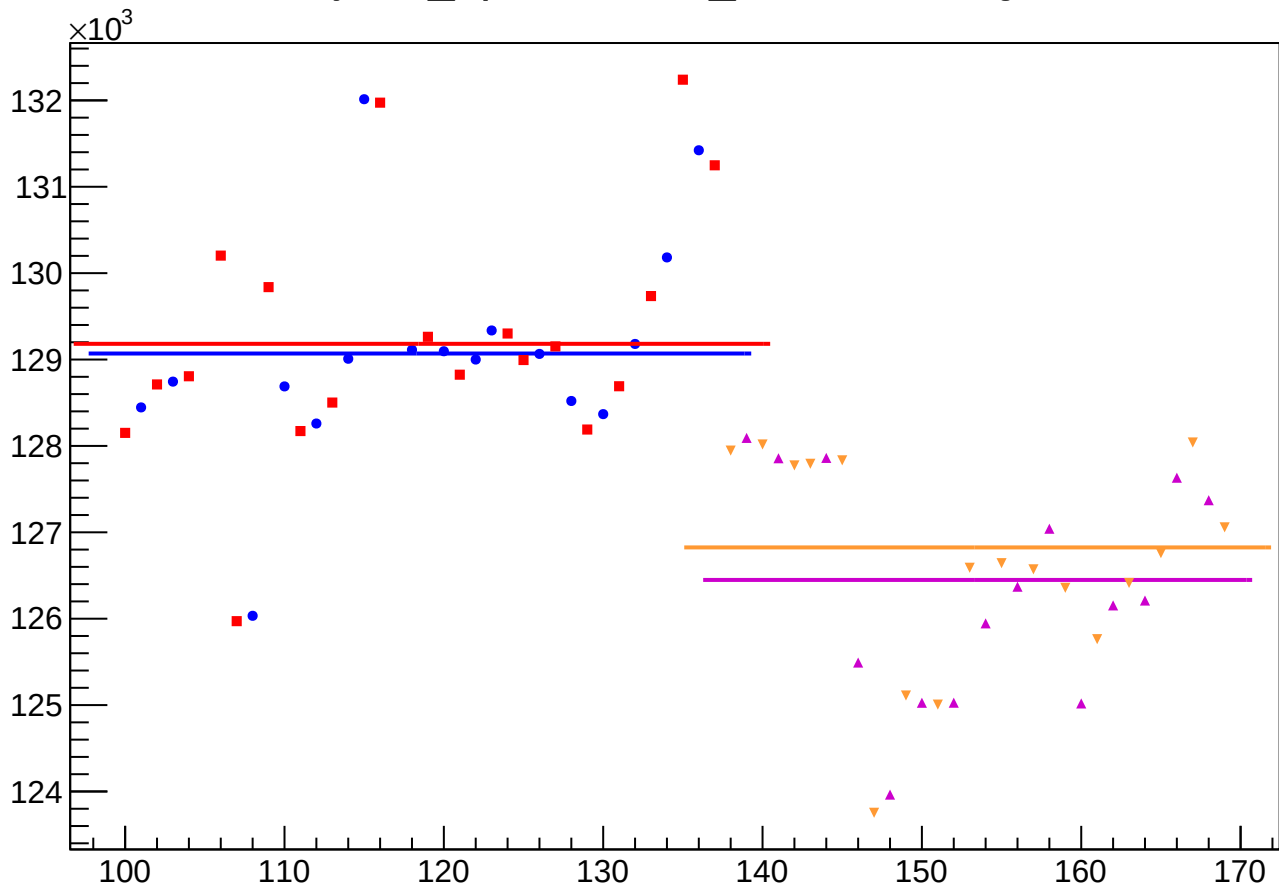
Left In: 185.200 ± 0.039 χ^2/NDF : 539825.5/14

+ sign 175.987 ± 0.029 χ^2/NDF : 1735755.3/33

All: 173.279 ± 0.021 χ^2/NDF : 3688467.9/67

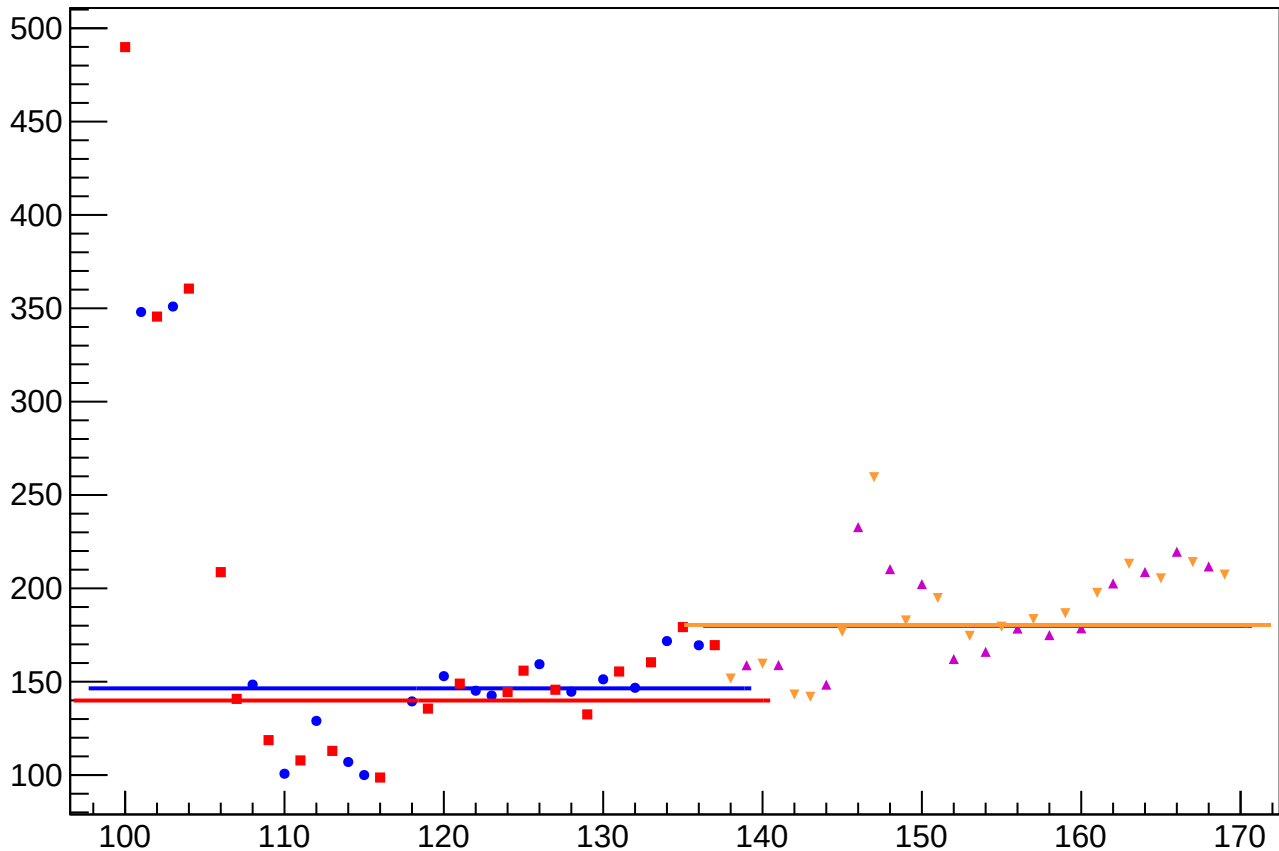
- sign 170.636 ± 0.029 χ^2/NDF : 1936013.0/33

yield_bpm0l06WS_mean vs Slug



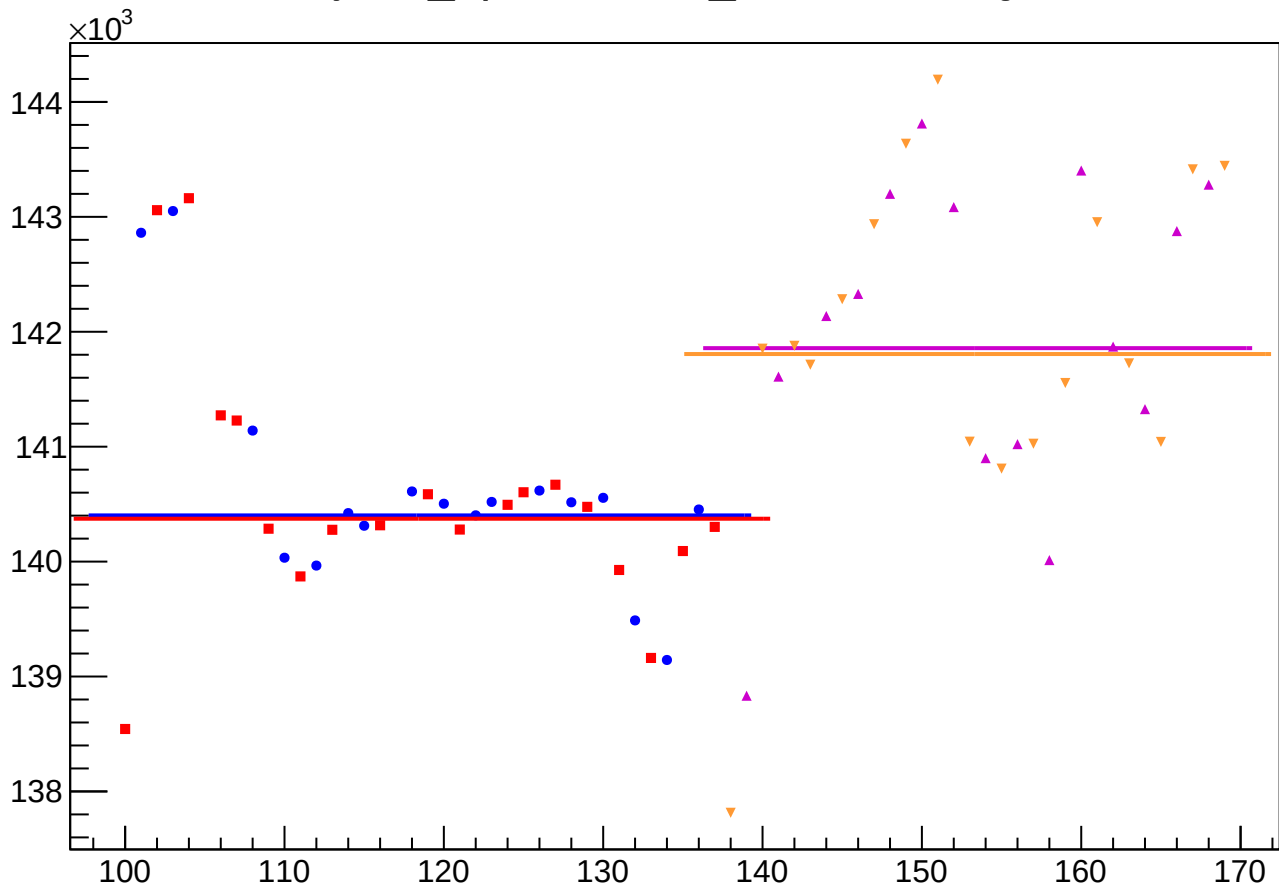
Right In: 129069.668 $\pm$ 0.060	χ^2 /NDF: 476692316.5/16	+ sign 127778.546 $\pm$ 0.039	χ^2 /NDF: 1739351657.9
Left Out: 126825.133 $\pm$ 0.052	χ^2 /NDF: 462212109.5/16	All: 127765.210 $\pm$ 0.028	χ^2 /NDF: 414950347.1
Right Out: 129181.887 $\pm$ 0.056	χ^2 /NDF: 625597399.6/18	- sign 127752.197 $\pm$ 0.039	χ^2 /NDF: 2409923314.1/16
Left In: 126448.675 $\pm$ 0.054	χ^2 /NDF: 542324814.6/14		

yield_bpm0l06WS_rms vs Slug



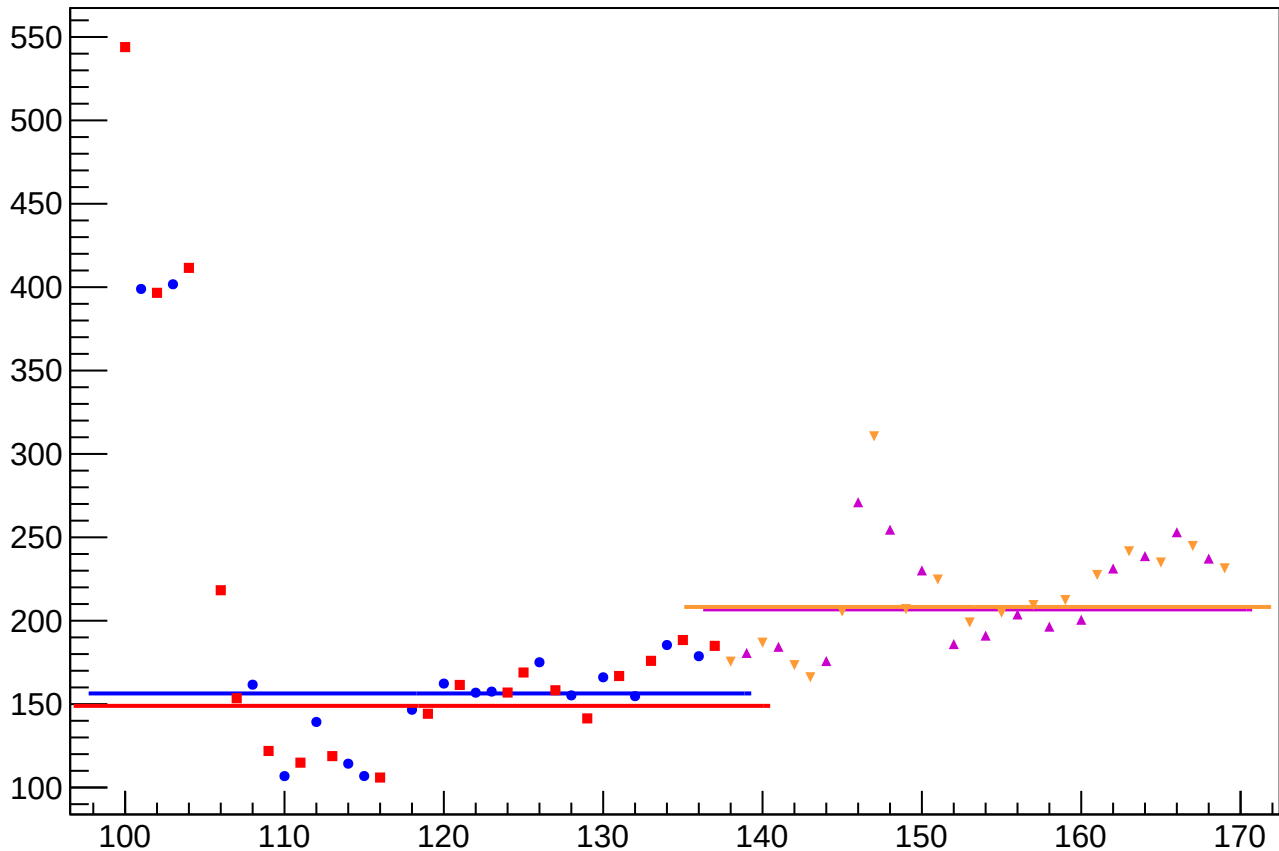
Right In: 146.437+/-0.043	χ^2/NDF : 1064791.0/16	+ sign 165.967+/-0.028	χ^2/NDF : 1947085.5/33
Left Out: 180.389+/-0.037	χ^2/NDF : 515998.3/16	All: 163.364+/-0.019	χ^2/NDF : 4109280.6/67
Right Out: 139.929+/-0.040	χ^2/NDF : 1203570.9/18	- sign 160.823+/-0.027	χ^2/NDF : 2144773.9/33
Left In: 179.873+/-0.038	χ^2/NDF : 410679.9/14		

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064	χ^2 /NDF: 88071774.7/16	+ sign 141156.121 $\pm$ 0.044	χ^2 /NDF: 1012214619.5
Left Out: 141806.231 $\pm$ 0.060	χ^2 /NDF: 668399802.0/16	All: 141124.205 $\pm$ 0.031	χ^2 /NDF: 191846334
Right Out: 140373.163 $\pm$ 0.060	χ^2 /NDF: 99854533.3/18	- sign 141093.509 $\pm$ 0.043	χ^2 /NDF: 905206279.9/3
Left In: 141857.506 $\pm$ 0.062	χ^2 /NDF: 506858866.9/14		

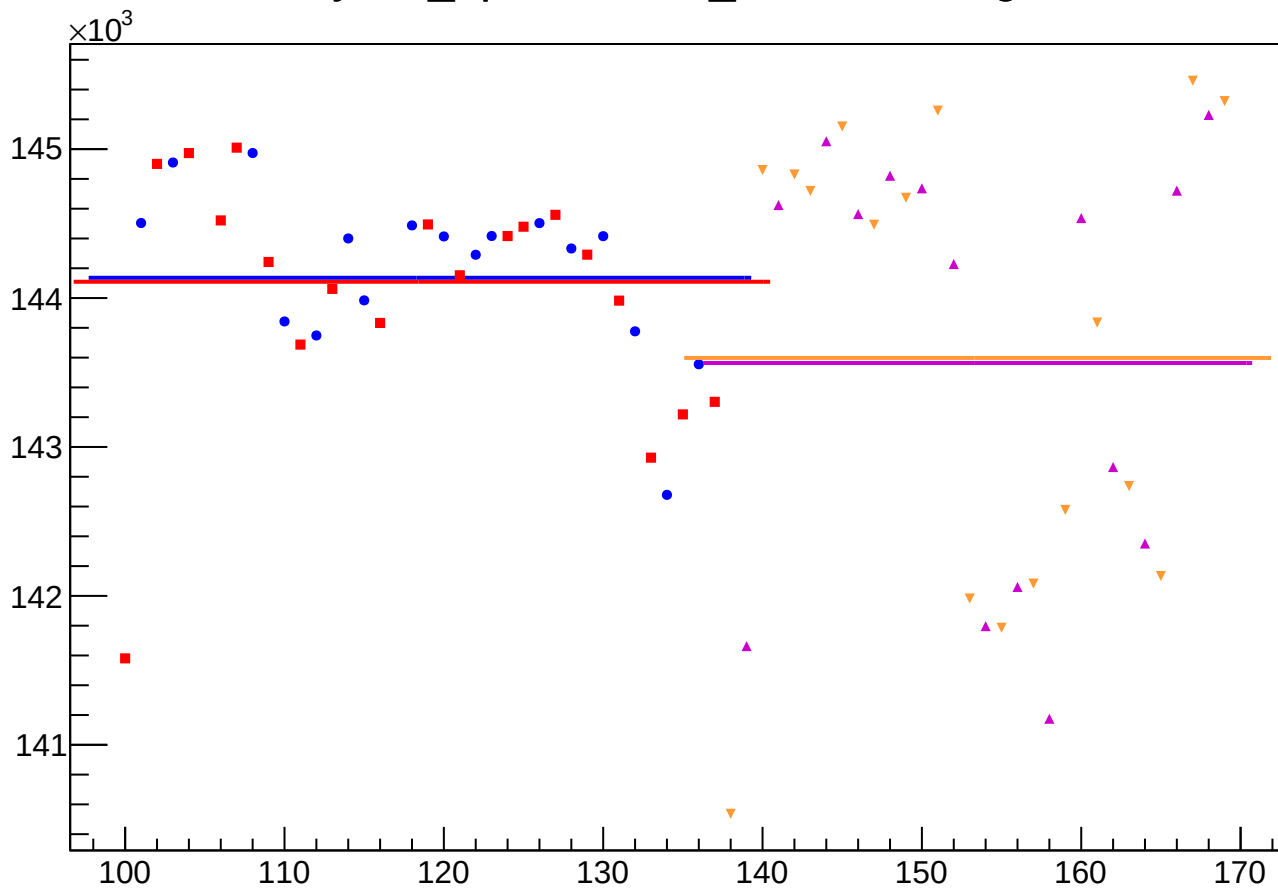
yield_bpm0l07WS_rms vs Slug



Right In: 156.394 ± 0.046 χ^2/NDF : 1154804.2/16
 Left Out: 208.256 ± 0.042 χ^2/NDF : 471627.6/16
 Right Out: 148.949 ± 0.042 χ^2/NDF : 1307651.5/18
 Left In: 206.787 ± 0.044 χ^2/NDF : 404425.1/14

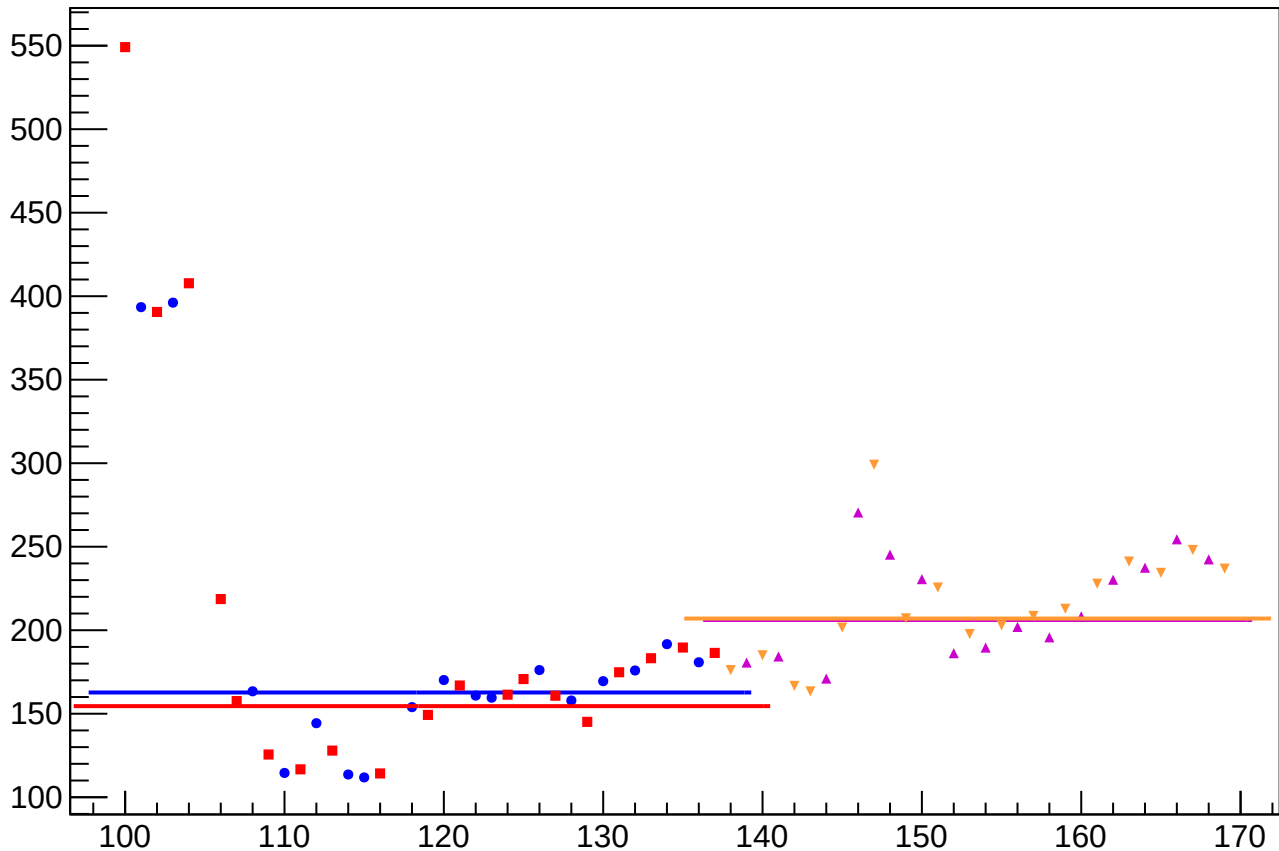
+ sign 184.245 ± 0.031 χ^2/NDF : 2324120.3/33
 All: 180.561 ± 0.022 χ^2/NDF : 4970364.3/67
 - sign 177.018 ± 0.030 χ^2/NDF : 2618463.1/33

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067	χ^2 /NDF: 47069480.3/16	+ sign 143835.584 $\pm$ 0.044	χ^2 /NDF: 787950786.1/3
Left Out: 143597.925 $\pm$ 0.059	χ^2 /NDF: 704600580.9/16	All: 143835.249 $\pm$ 0.031	χ^2 /NDF: 144631019
Right Out: 144109.419 $\pm$ 0.062	χ^2 /NDF: 65258627.2/18	- sign 143834.925 $\pm$ 0.044	χ^2 /NDF: 658359296.5/3
Left In: 143563.824 $\pm$ 0.061	χ^2 /NDF: 553974353.7/14		

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 ± 0.047 χ^2/NDF : 1066482.0/16

Left Out: 206.999 ± 0.042 χ^2/NDF : 495790.7/16

Right Out: 154.547 ± 0.044 χ^2/NDF : 1217495.9/18

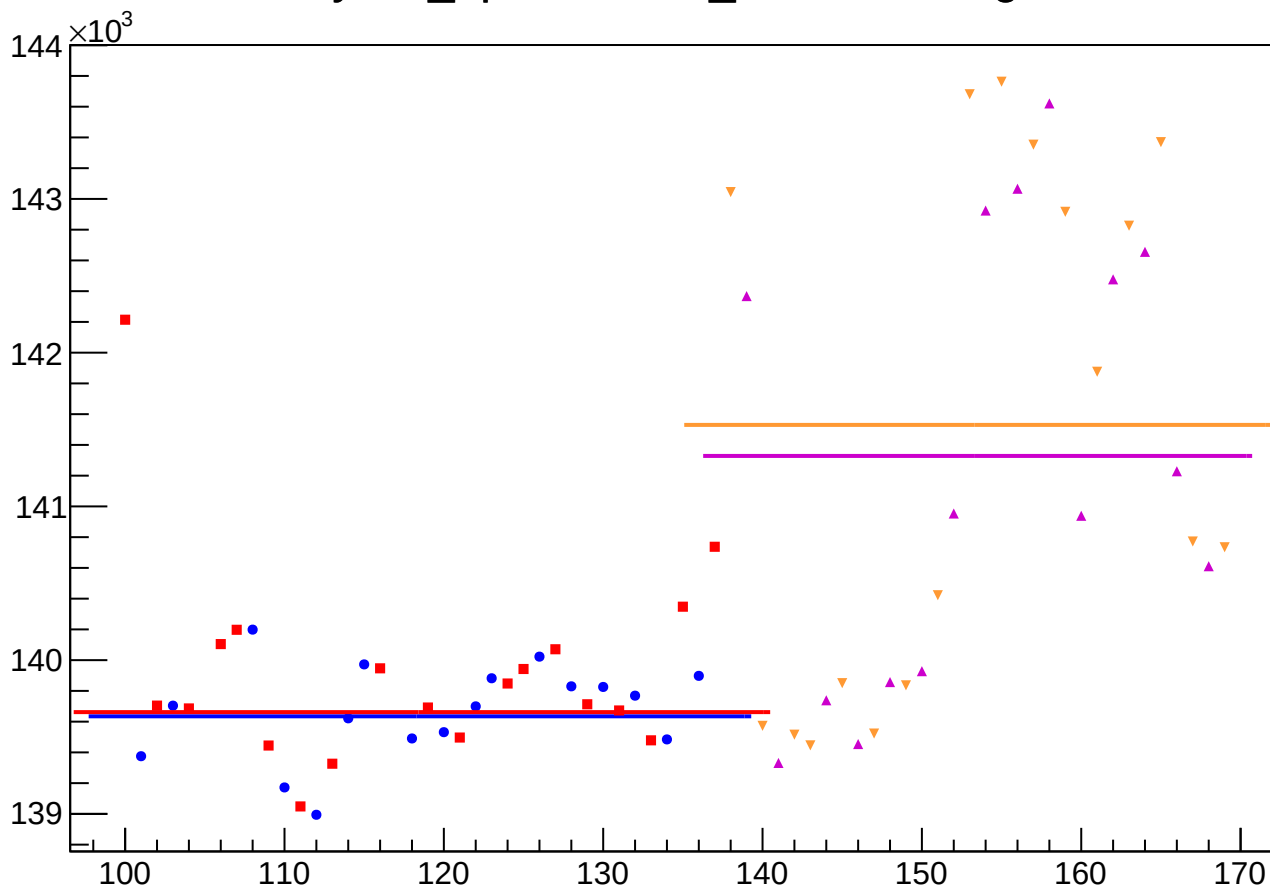
Left In: 206.141 ± 0.043 χ^2/NDF : 417772.5/14

+ sign 187.443 ± 0.031 χ^2/NDF : 2053564.8/33

All: 183.914 ± 0.022 χ^2/NDF : 4413478.9/67

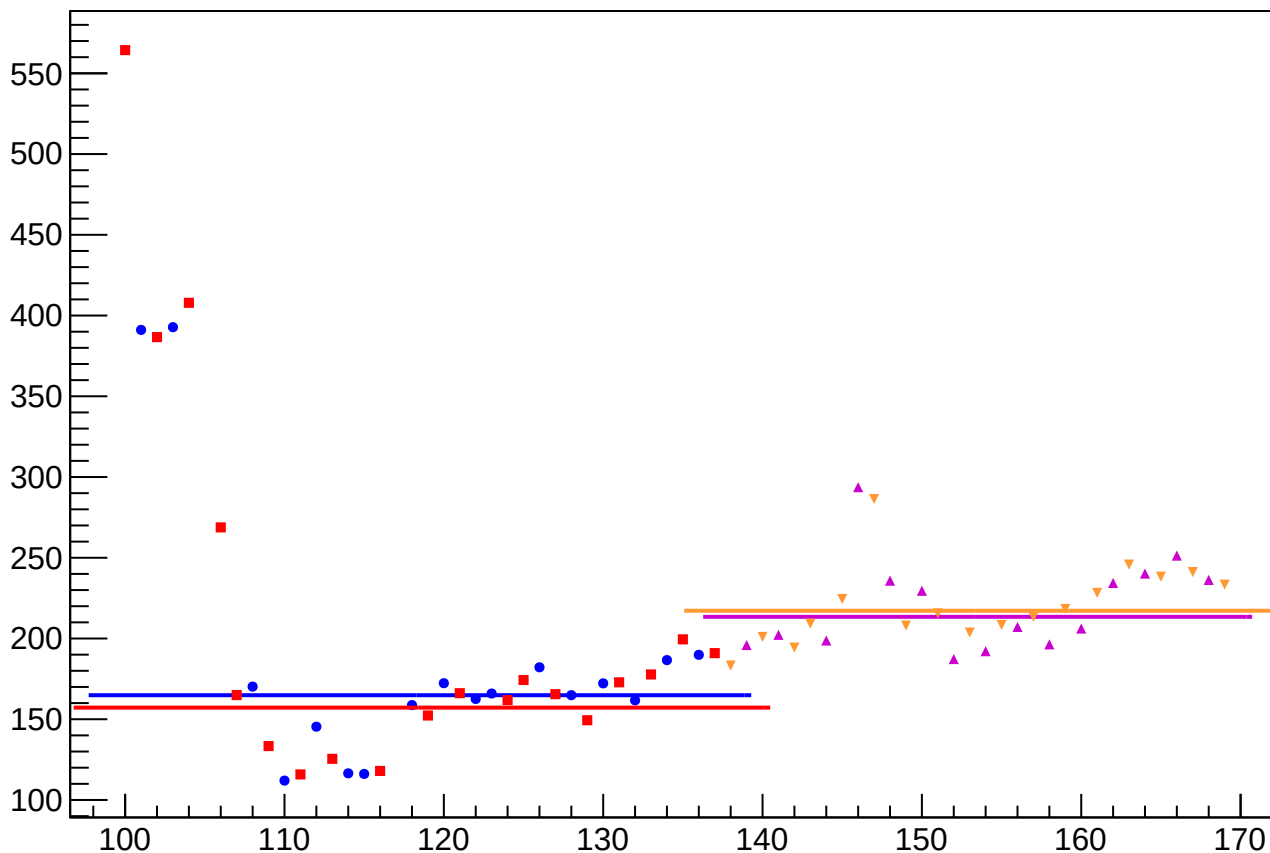
- sign 180.504 ± 0.031 χ^2/NDF : 2335034.3/33

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700+/-0.068	χ^2/NDF : 24844912.0/16	+ sign 140668.089+/-0.046	χ^2/NDF : 1170165611.7
Left Out: 141530.180+/-0.062	χ^2/NDF : 718909792.3/16	All: 140576.655+/-0.032	χ^2/NDF : 208082365
Right Out: 139661.970+/-0.063	χ^2/NDF : 38372985.0/18	- sign 140489.068+/-0.045	χ^2/NDF : 902823234.1/3
Left In: 141328.343+/-0.063	χ^2/NDF : 517596258.1/14		

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 217.198 $\pm$ 0.044 χ^2 /NDF: 233675.1/16

Right Out: 157.207 $\pm$ 0.045 χ^2 /NDF: 1245030.9/18

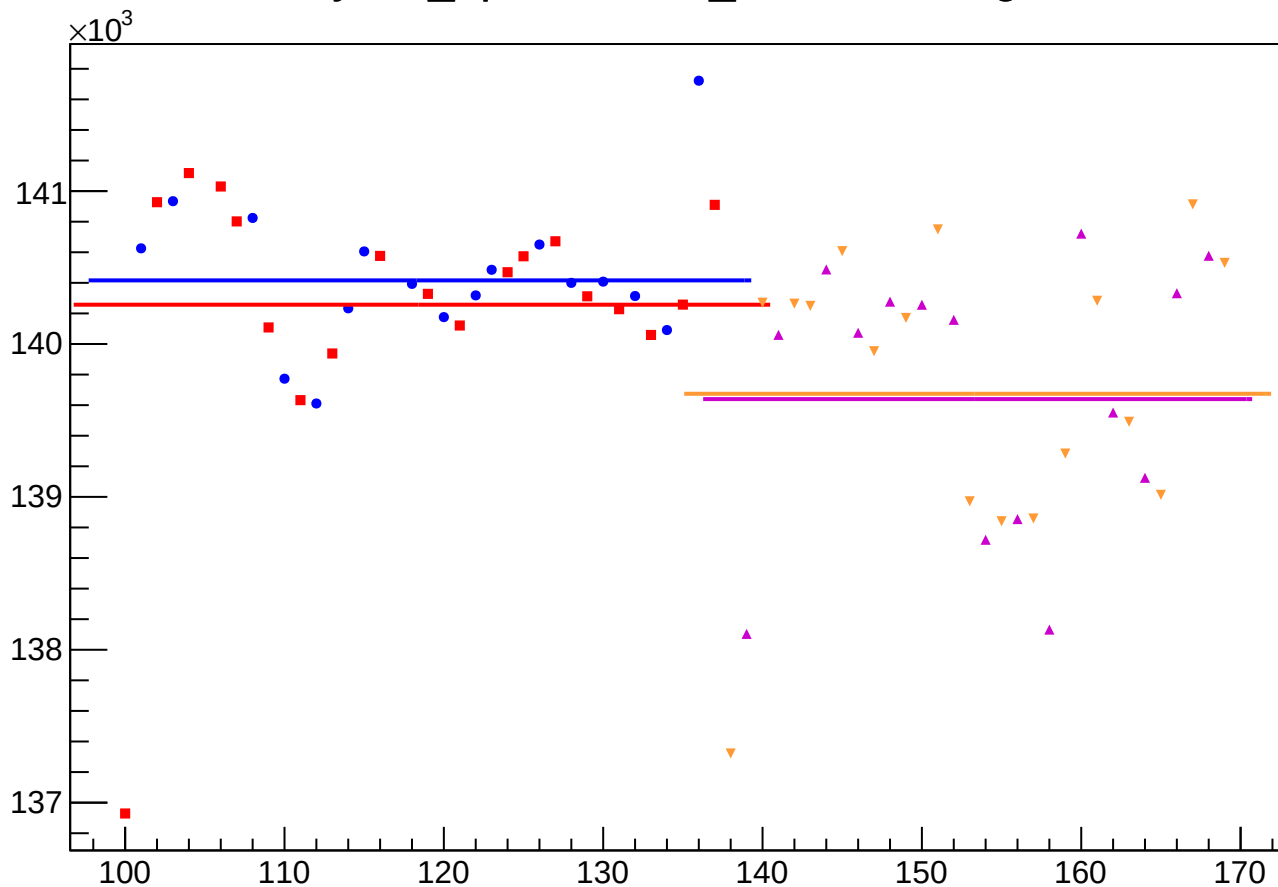
Left In: 213.422 $\pm$ 0.045 χ^2 /NDF: 297733.9/14

+ sign 193.405 $\pm$ 0.032 χ^2 /NDF: 1949554.5/33

All: 189.168 $\pm$ 0.023 χ^2 /NDF: 4315426.9/67

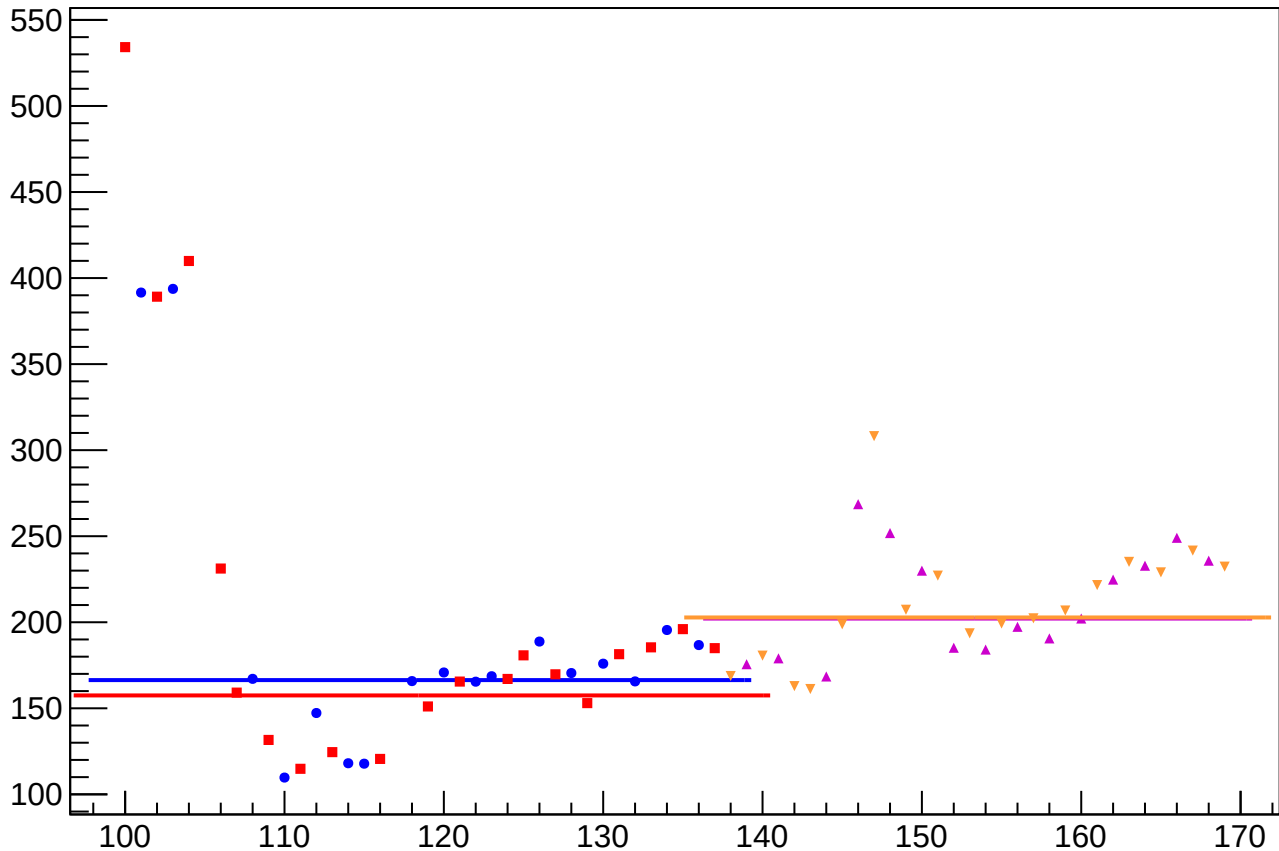
- sign 185.109 $\pm$ 0.032 χ^2 /NDF: 2332223.0/33

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068	χ^2 /NDF: 69975821.3/16	+ sign 139985.708 $\pm$ 0.044	χ^2 /NDF: 418313689.7/3
Left Out: 139674.434 $\pm$ 0.058	χ^2 /NDF: 280107226.0/16	All: 139959.431 $\pm$ 0.031	χ^2 /NDF: 730723216
Right Out: 140256.992 $\pm$ 0.063	χ^2 /NDF: 38063371.4/18	- sign 139933.989 $\pm$ 0.044	χ^2 /NDF: 311717342.5/3
Left In: 139639.643 $\pm$ 0.060	χ^2 /NDF: 223641369.4/14		

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 202.779 ± 0.041 χ^2/NDF : 542136.6/16

Right Out: 157.475 ± 0.045 χ^2/NDF : 1229886.8/18

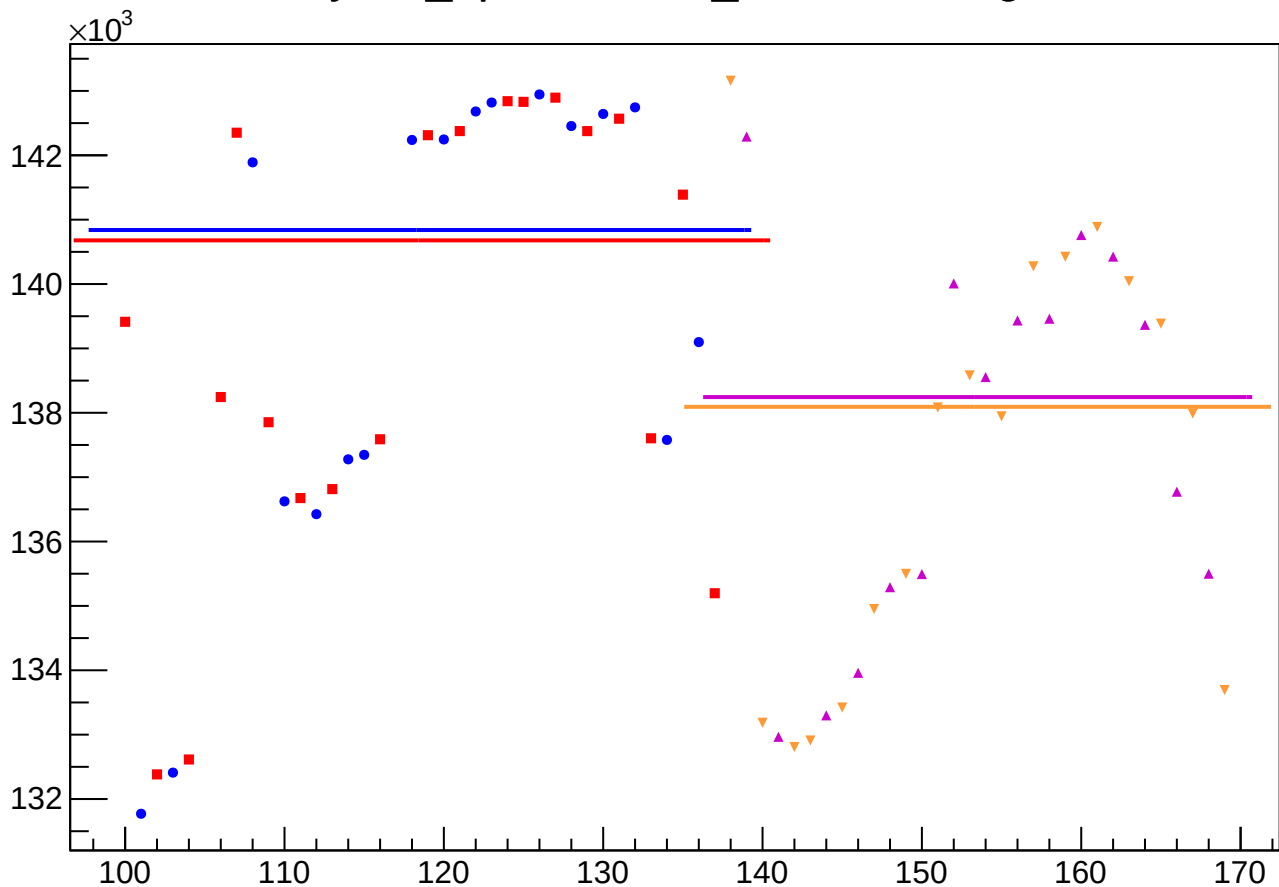
Left In: 202.136 ± 0.043 χ^2/NDF : 451688.8/14

+ sign 187.505 ± 0.031 χ^2/NDF : 1951667.1/33

All: 184.120 ± 0.022 χ^2/NDF : 4179709.9/67

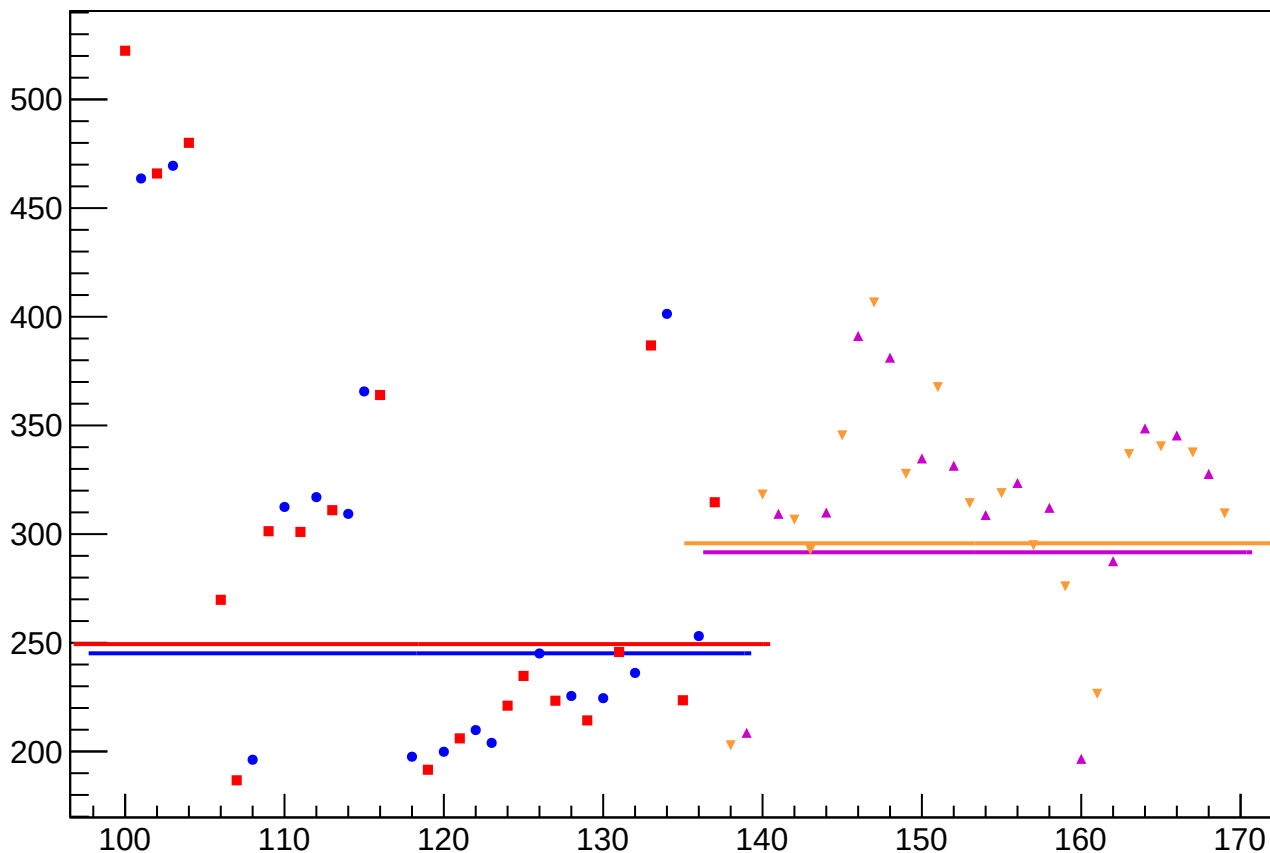
- sign 180.842 ± 0.031 χ^2/NDF : 2205069.4/33

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 ± 0.100	$\chi^2/\text{NDF}: 822682996.3/16$	+ sign 139256.045 ± 0.065	$\chi^2/\text{NDF}: 2821199615.2$
Left Out: 138092.429 ± 0.086	$\chi^2/\text{NDF}: 1563791113.3/16$	All: 139289.462 ± 0.046	$\chi^2/\text{NDF}: 517303194$
Right Out: 140678.513 ± 0.099	$\chi^2/\text{NDF}: 840695274.4/18$	- sign 139323.813 ± 0.066	$\chi^2/\text{NDF}: 2351297898.8/14$
Left In: 138244.067 ± 0.088	$\chi^2/\text{NDF}: 1174794217.8/14$		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 $\pm$ 0.071 χ^2 /NDF: 869491.6/16

Left Out: 295.780 $\pm$ 0.061 χ^2 /NDF: 760778.7/16

Right Out: 249.397 $\pm$ 0.070 χ^2 /NDF: 1009731.2/18

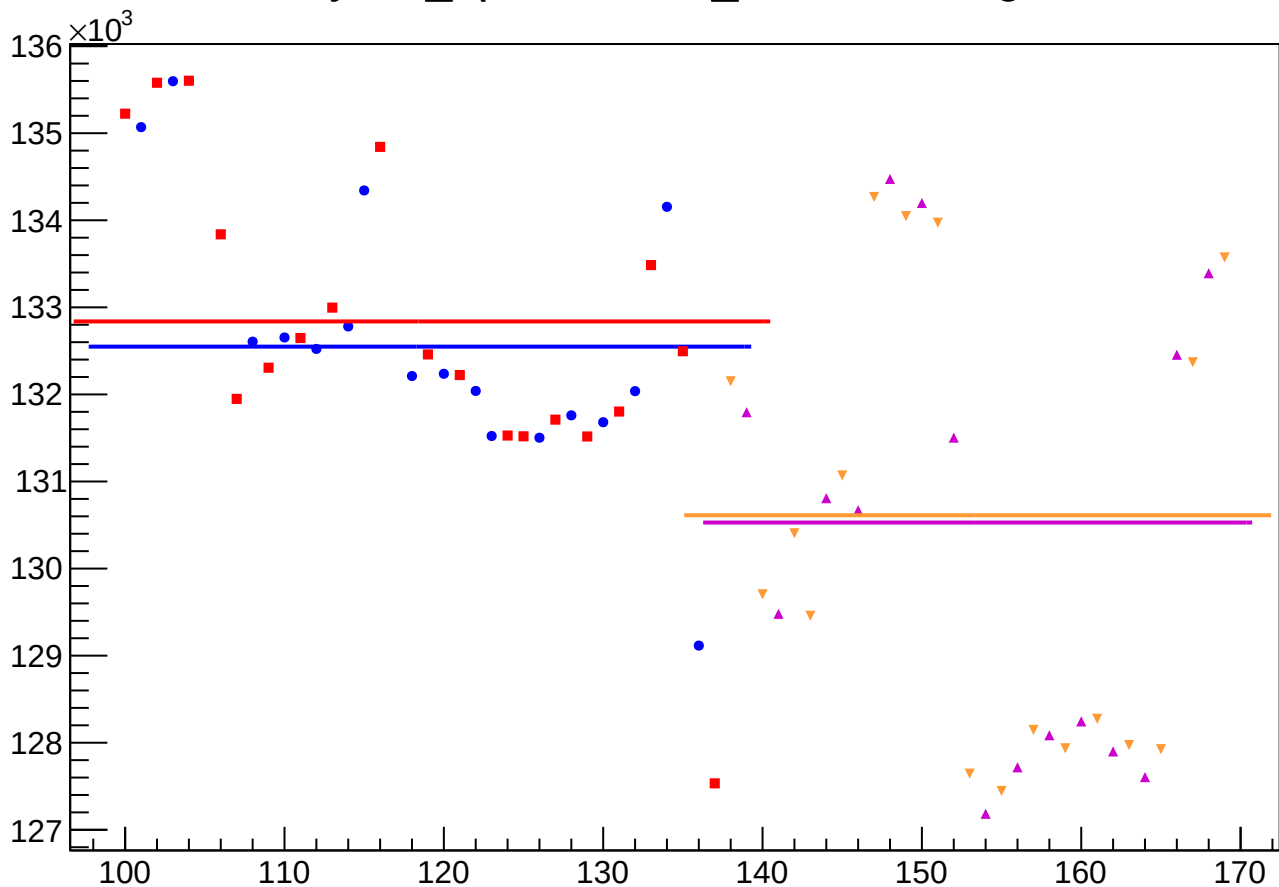
Left In: 291.639 $\pm$ 0.063 χ^2 /NDF: 923329.8/14

+ sign 274.335 $\pm$ 0.046 χ^2 /NDF: 1925589.5/33

All: 273.629 $\pm$ 0.033 χ^2 /NDF: 4061338.2/67

- sign 272.903 $\pm$ 0.047 χ^2 /NDF: 2135271.5/33

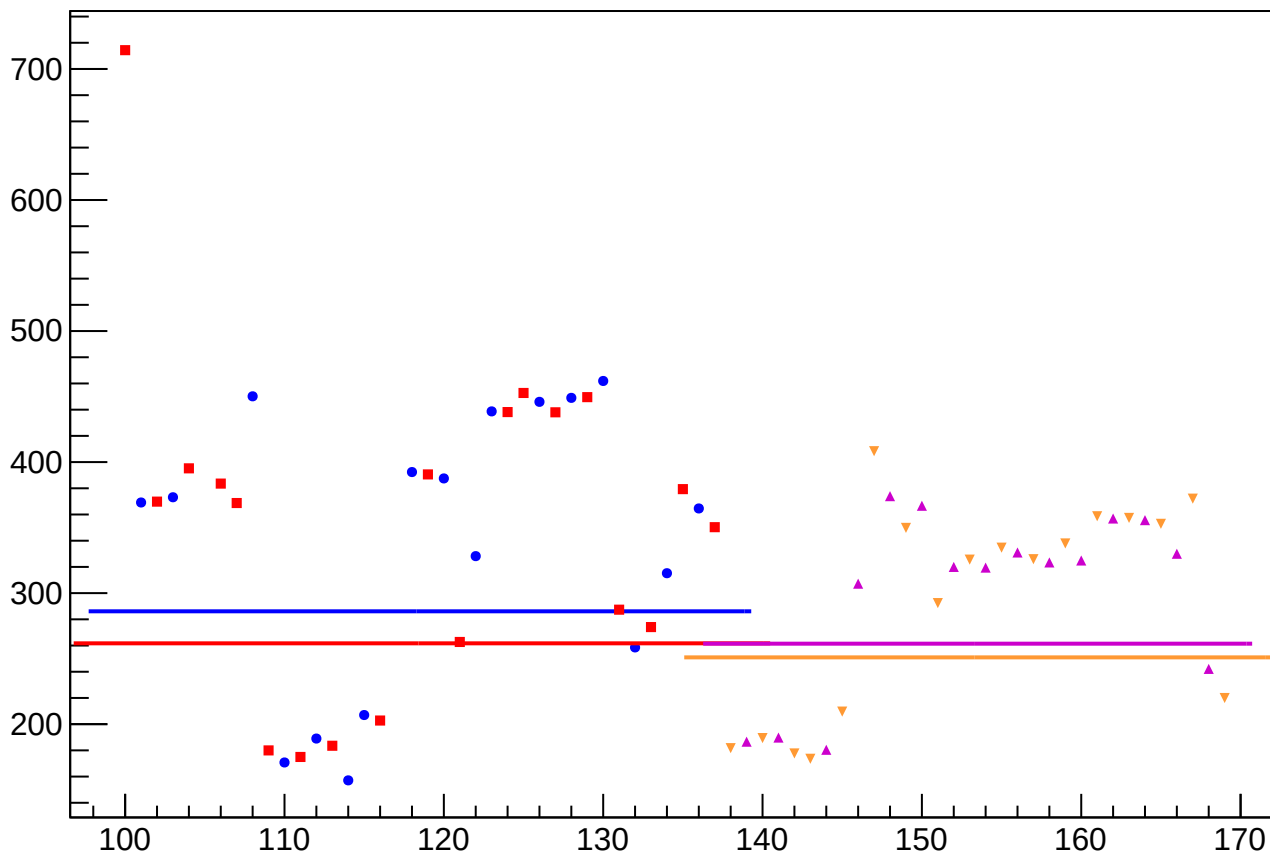
yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16
 Left Out: 130612.494 $\pm$ 0.075 χ^2 /NDF: 834146106.7/16
 Right Out: 132838.294 $\pm$ 0.107 χ^2 /NDF: 149611447.6/18
 Left In: 130528.628 $\pm$ 0.080 χ^2 /NDF: 684500639.5/14

+ sign 131157.268 $\pm$ 0.063 χ^2 /NDF: 1184371264.7
 All: 131257.552 $\pm$ 0.045 χ^2 /NDF: 232105209
 - sign 131360.955 $\pm$ 0.064 χ^2 /NDF: 1131585501.6

yield_bpm0r05WS_rms vs Slug



Right In: 286.122 ± 0.084 χ^2/NDF : 1525266.4/16

Left Out: 250.967 ± 0.053 χ^2/NDF : 2130811.4/16

Right Out: 261.686 ± 0.076 χ^2/NDF : 1623174.1/18

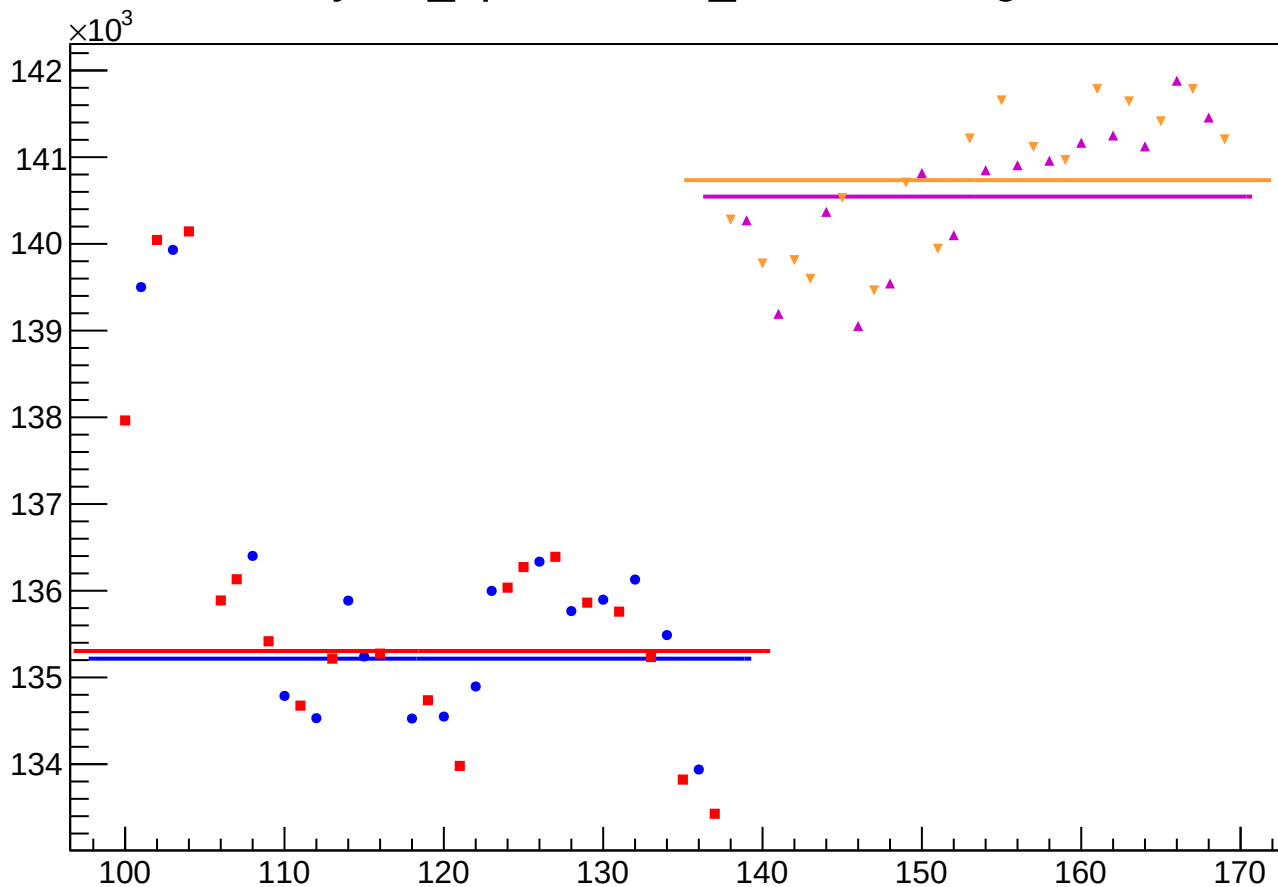
Left In: 261.416 ± 0.057 χ^2/NDF : 1644248.4/14

+ sign 260.857 ± 0.045 χ^2/NDF : 3780740.6/33

All: 261.180 ± 0.032 χ^2/NDF : 7048277.0/67

- sign 261.514 ± 0.045 χ^2/NDF : 3267430.6/33

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140735.317 $\pm$ 0.054 χ^2 /NDF: 198006917.2/16

Right Out: 135305.135 $\pm$ 0.051 χ^2 /NDF: 357636841.6/18

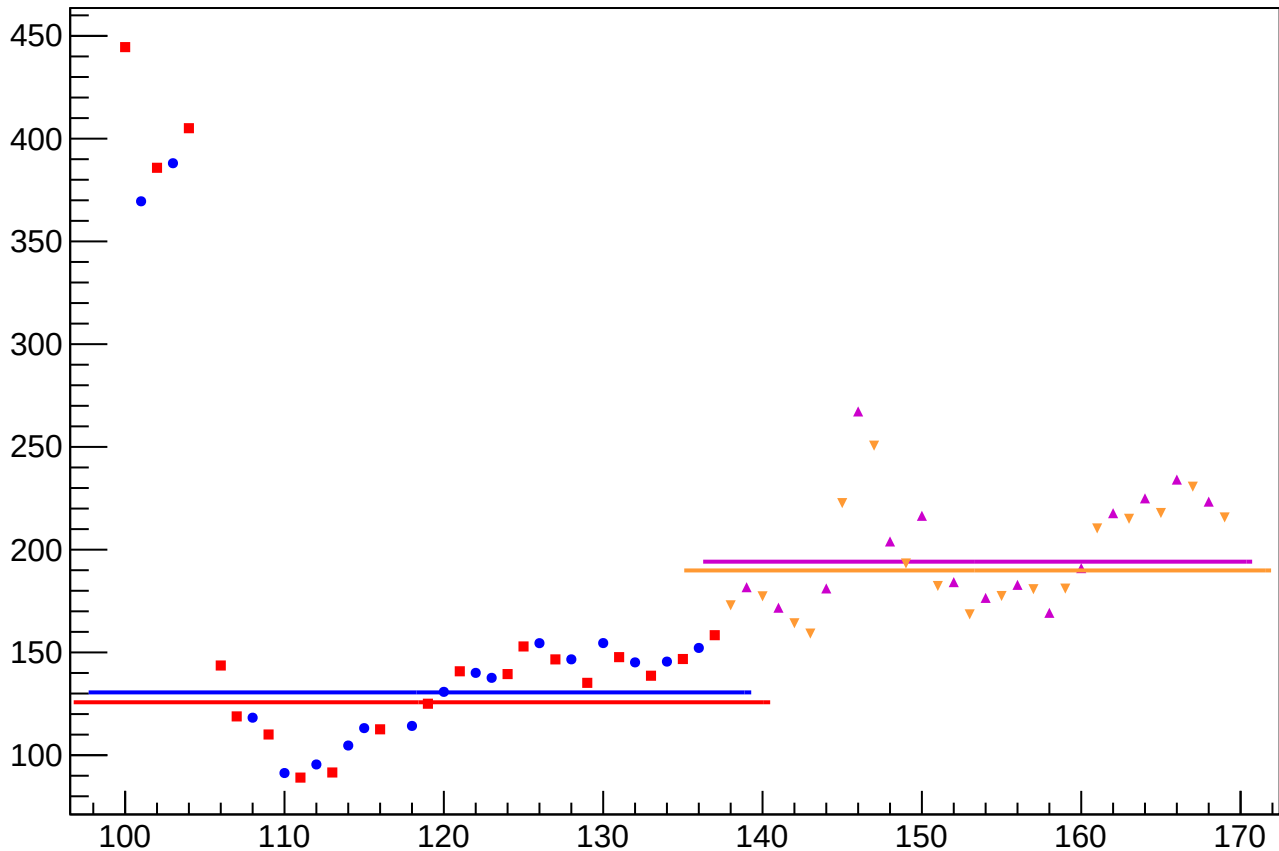
Left In: 140545.457 $\pm$ 0.058 χ^2 /NDF: 164483773.7/14

+ sign 137974.154 $\pm$ 0.038 χ^2 /NDF: 5720089339.3

All: 137788.359 $\pm$ 0.027 χ^2 /NDF: 108944324

- sign 137603.833 $\pm$ 0.038 χ^2 /NDF: 5127799380.8

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 ± 0.038 χ^2/NDF : 1373104.9/16

Left Out: 189.891 ± 0.038 χ^2/NDF : 378336.9/16

Right Out: 125.746 ± 0.036 χ^2/NDF : 1440002.5/18

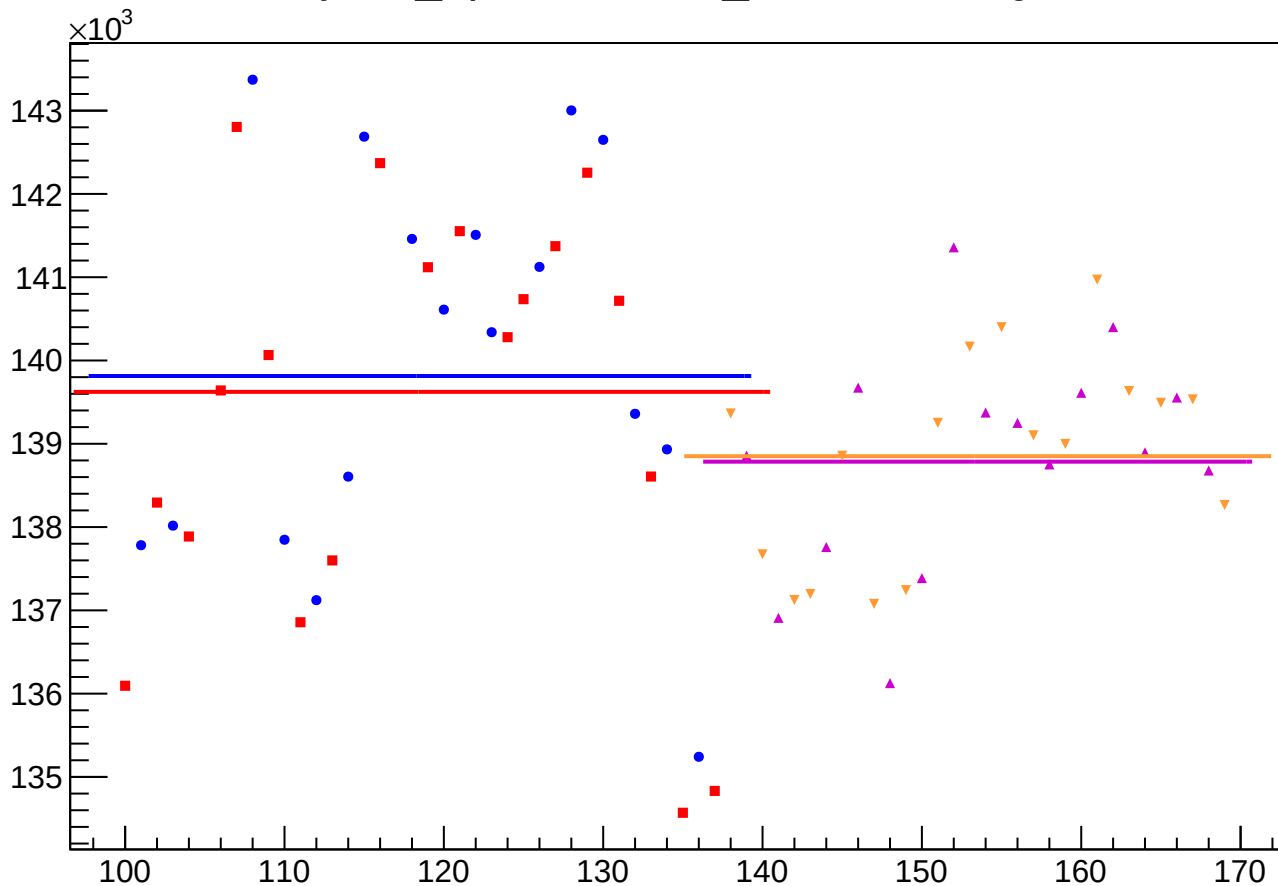
Left In: 194.160 ± 0.041 χ^2/NDF : 338442.1/14

+ sign 160.202 ± 0.027 χ^2/NDF : 2942432.6/33

All: 157.971 ± 0.019 χ^2/NDF : 6304287.2/67

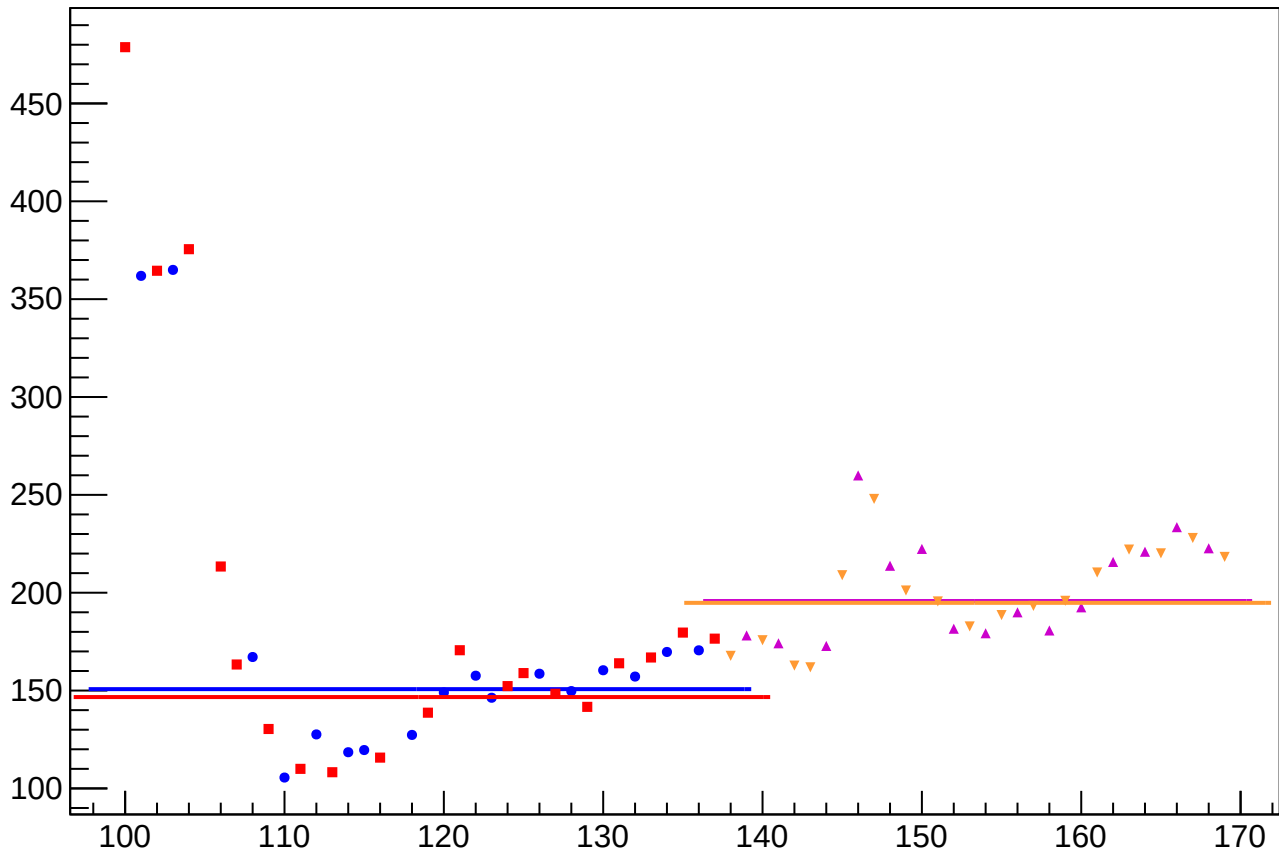
- sign 155.756 ± 0.027 χ^2/NDF : 3348435.9/33

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062 χ^2/NDF : 1689865533.6/16
 Left Out: 138851.065 $\pm$ 0.056 χ^2/NDF : 446500998.3/16
 Right Out: 139623.387 $\pm$ 0.059 χ^2/NDF : 1505731109.1/18
 Left In: 138785.160 $\pm$ 0.058 χ^2/NDF : 524120698.0/14
 All: 139241.328 $\pm$ 0.029 χ^2/NDF : 440343800.0/30
 + sign 139283.067 $\pm$ 0.041 χ^2/NDF : 2269569820.9/30
 - sign 139199.559 $\pm$ 0.041 χ^2/NDF : 2131842693.0/30

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 ± 0.044 χ^2/NDF : 1050071.6/16

Left Out: 194.827 ± 0.040 χ^2/NDF : 324831.3/16

Right Out: 146.686 ± 0.042 χ^2/NDF : 1203106.6/18

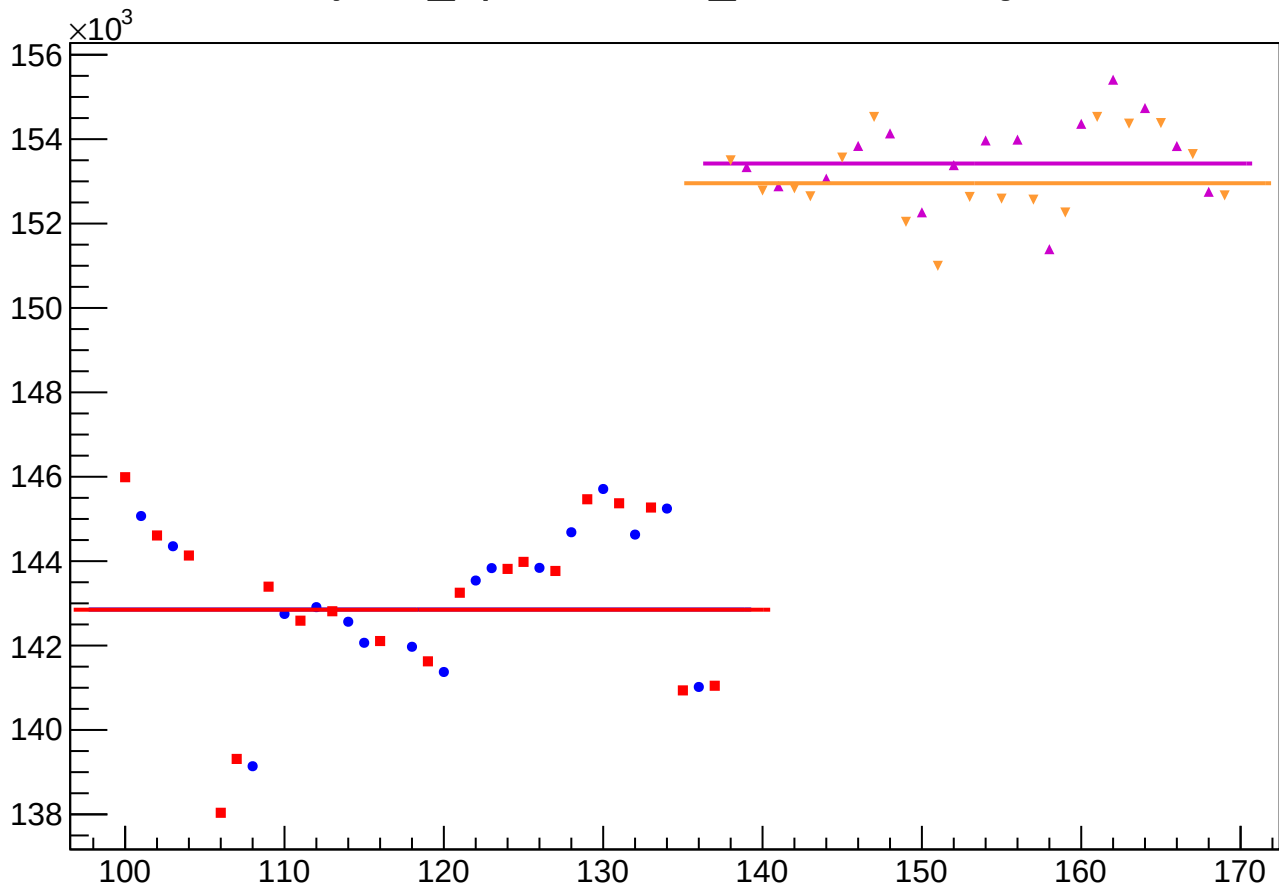
Left In: 195.751 ± 0.041 χ^2/NDF : 314428.5/14

+ sign 175.038 ± 0.029 χ^2/NDF : 1933897.6/33

All: 173.267 ± 0.021 χ^2/NDF : 4157633.0/67

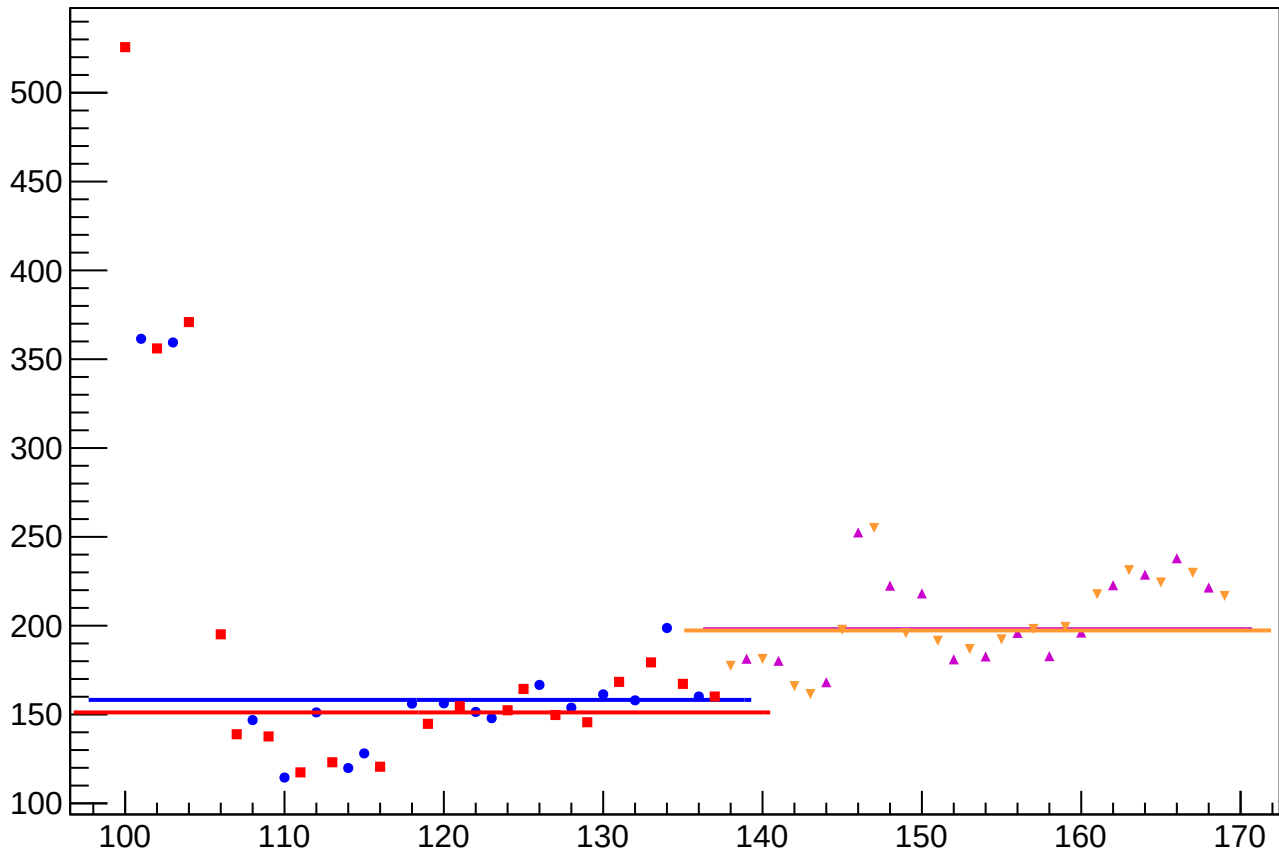
- sign 171.494 ± 0.029 χ^2/NDF : 2216440.5/33

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065	χ^2 /NDF: 740367386.5/16	+ sign 148582.183 $\pm$ 0.043	χ^2 /NDF: 14838966902.1
Left Out: 152955.679 $\pm$ 0.057	χ^2 /NDF: 260583721.4/16	All: 148421.659 $\pm$ 0.030	χ^2 /NDF: 316781211.1
Right Out: 142849.362 $\pm$ 0.060	χ^2 /NDF: 850066807.5/18	- sign 148263.843 $\pm$ 0.042	χ^2 /NDF: 16810926306.1
Left In: 153422.822 $\pm$ 0.059	χ^2 /NDF: 265991259.8/14		

yield_bpm0i05WS_rms vs Slug



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 197.319+/-0.040 χ^2/NDF : 315203.1/16

Right Out: 151.174+/-0.043 χ^2/NDF : 1003301.6/18

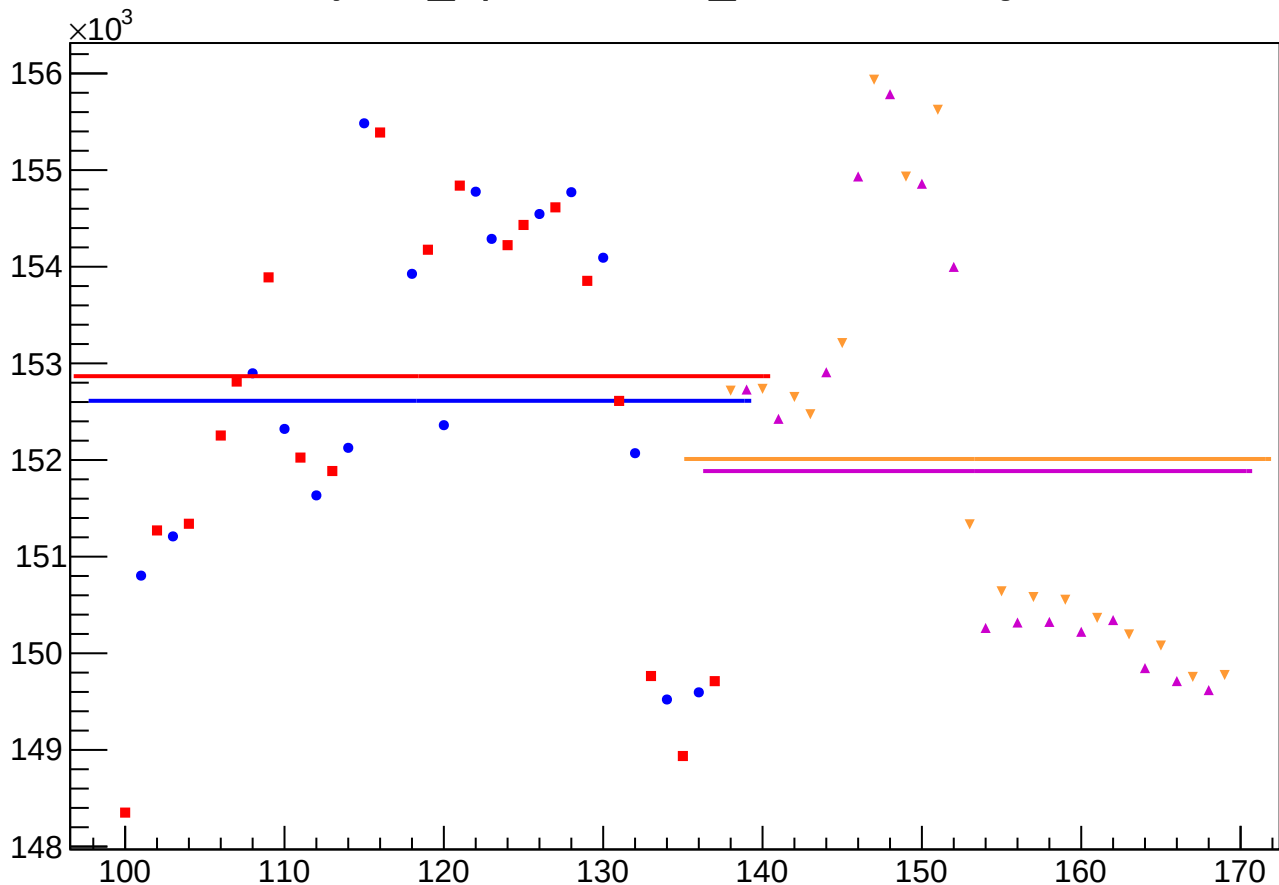
Left In: 198.010+/-0.042 χ^2/NDF : 312943.7/14

+ sign 180.396+/-0.030 χ^2/NDF : 1613088.2/33

All: 177.755+/-0.021 χ^2/NDF : 3560526.1/67

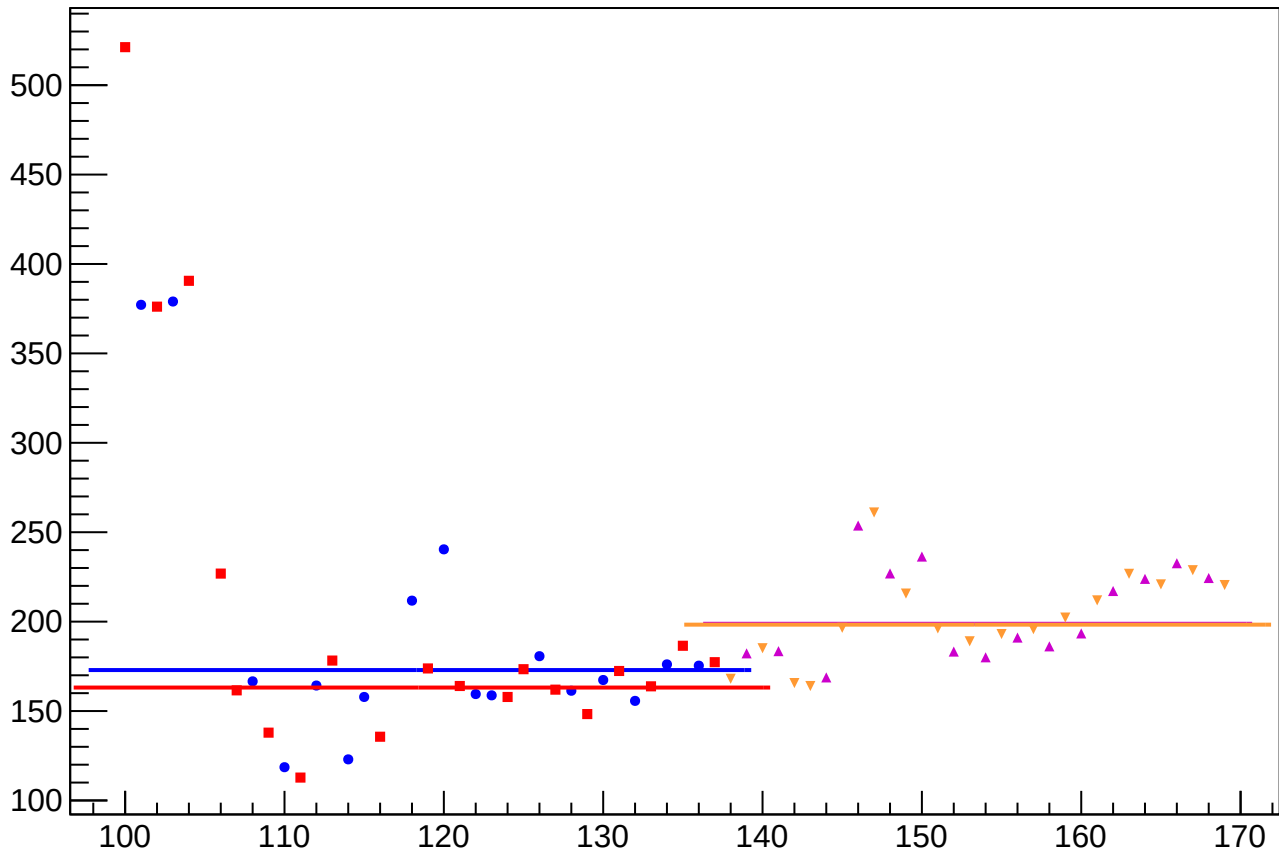
- sign 175.158+/-0.030 χ^2/NDF : 1932152.3/33

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16
 Left Out: 152010.597 $\pm$ 0.057 χ^2 /NDF: 1082282977.5/16
 Right Out: 152867.453 $\pm$ 0.066 χ^2 /NDF: 719075986.4/18
 Left In: 151885.422 $\pm$ 0.059 χ^2 /NDF: 1092918197.0/14
 All: 152280.487 $\pm$ 0.031 χ^2 /NDF: 368297092.0
 + sign 152239.717 $\pm$ 0.045 χ^2 /NDF: 1746799792.0
 - sign 152320.438 $\pm$ 0.044 χ^2 /NDF: 1934510792.1

yield_bpm0i07WS_rms vs Slug



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 198.311+/-0.040 χ^2/NDF : 334785.9/16

Right Out: 163.138+/-0.047 χ^2/NDF : 1033751.2/18

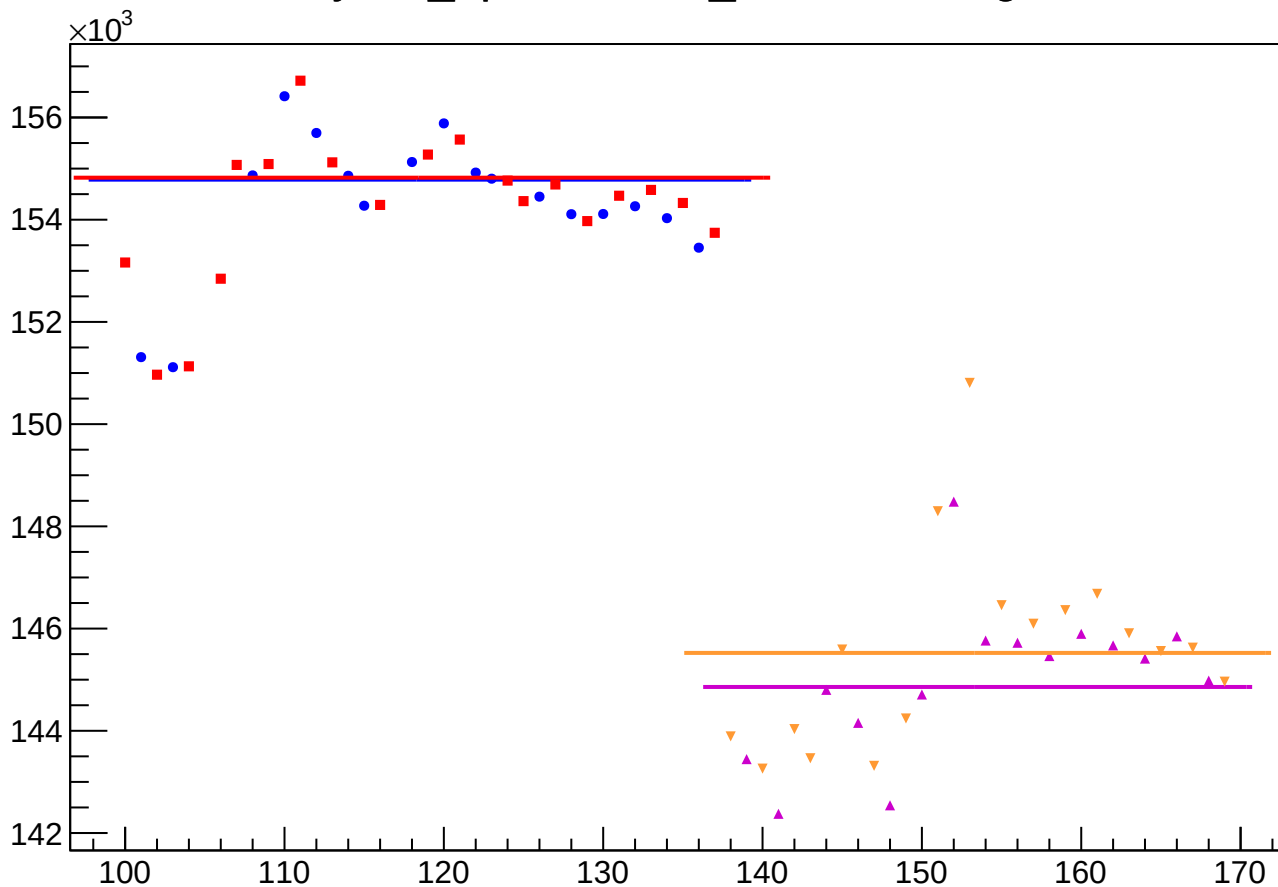
Left In: 198.797+/-0.042 χ^2/NDF : 328204.5/14

+ sign 188.647+/-0.031 χ^2/NDF : 1430080.5/33

All: 185.796+/-0.022 χ^2/NDF : 3131368.5/67

- sign 183.001+/-0.031 χ^2/NDF : 1685042.8/33

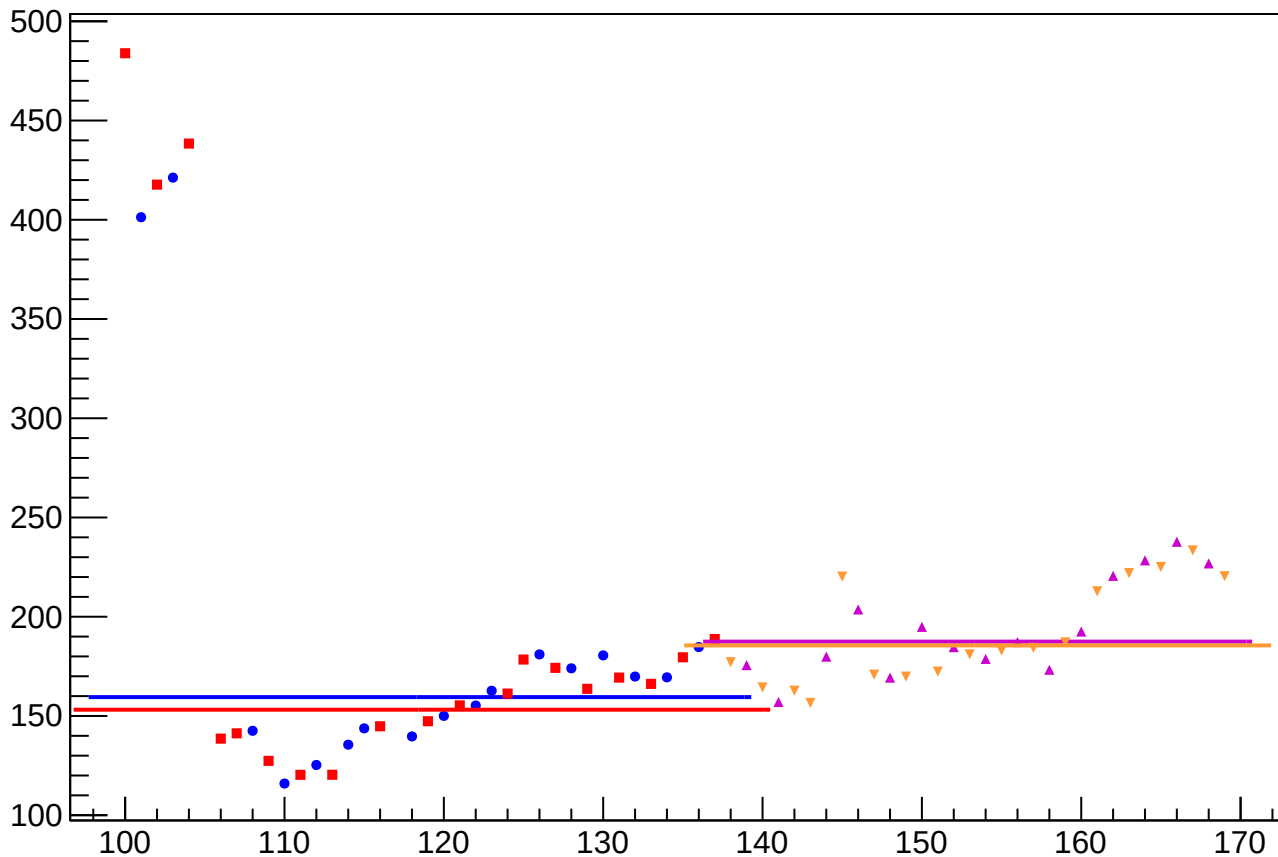
yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16
 Left Out: 145523.919 $\pm$ 0.053 χ^2 /NDF: 1487155573.9/16
 Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18
 Left In: 144857.755 $\pm$ 0.055 χ^2 /NDF: 822465305.1/14

+ sign 149185.559 $\pm$ 0.041 χ^2 /NDF: 13885091789.8
 All: 149282.531 $\pm$ 0.029 χ^2 /NDF: 296420362
 - sign 149379.077 $\pm$ 0.041 χ^2 /NDF: 15745838022.6

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 185.541 $\pm$ 0.037 χ^2 /NDF: 370419.4/16

Right Out: 153.153 $\pm$ 0.043 χ^2 /NDF: 1173739.7/18

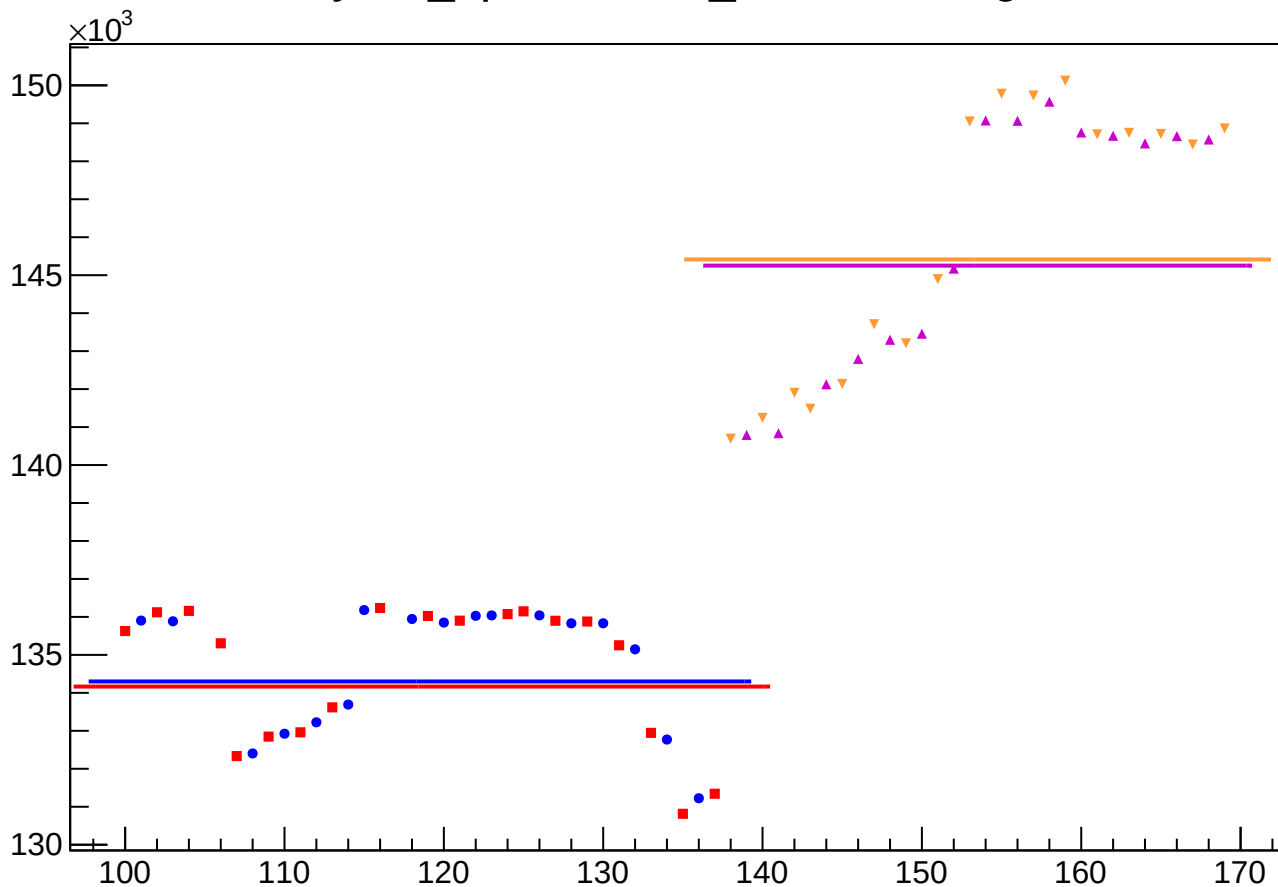
Left In: 187.454 $\pm$ 0.039 χ^2 /NDF: 290543.4/14

+ sign 175.245 $\pm$ 0.029 χ^2 /NDF: 1694103.9/33

All: 173.564 $\pm$ 0.021 χ^2 /NDF: 3511779.8/67

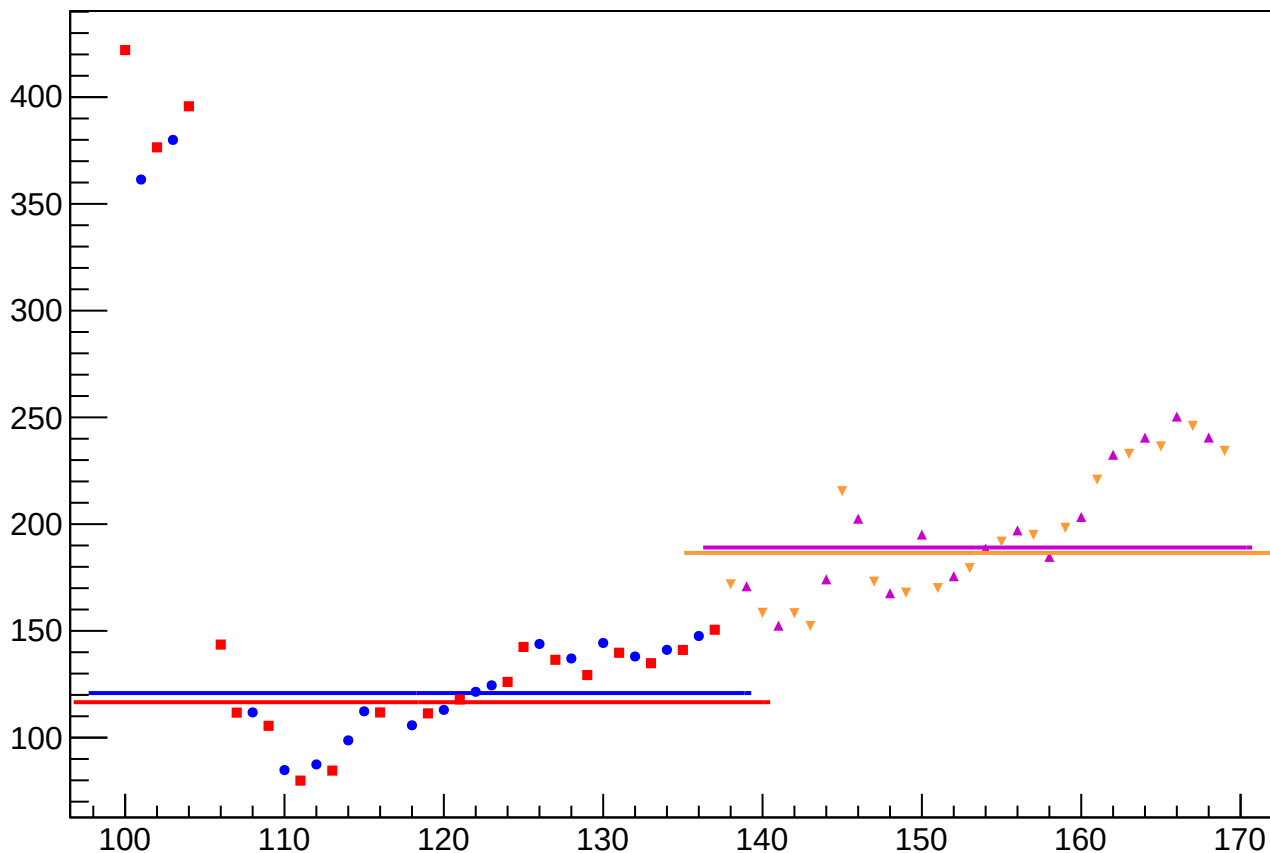
- sign 171.890 $\pm$ 0.029 χ^2 /NDF: 1811000.4/33

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050	χ^2 /NDF: 1149581803.2/16	+ sign 139534.596 $\pm$ 0.037	χ^2 /NDF: 28503000566.
Left Out: 145413.741 $\pm$ 0.053	χ^2 /NDF: 4398483263.9/16	All: 139150.441 $\pm$ 0.026	χ^2 /NDF: 562478657.
Right Out: 134165.615 $\pm$ 0.047	χ^2 /NDF: 1211471052.4/18	- sign 138774.411 $\pm$ 0.036	χ^2 /NDF: 27527040450.7
Left In: 145251.194 $\pm$ 0.056	χ^2 /NDF: 3569192601.2/14		

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 186.533 $\pm$ 0.038 χ^2 /NDF: 540186.3/16

Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

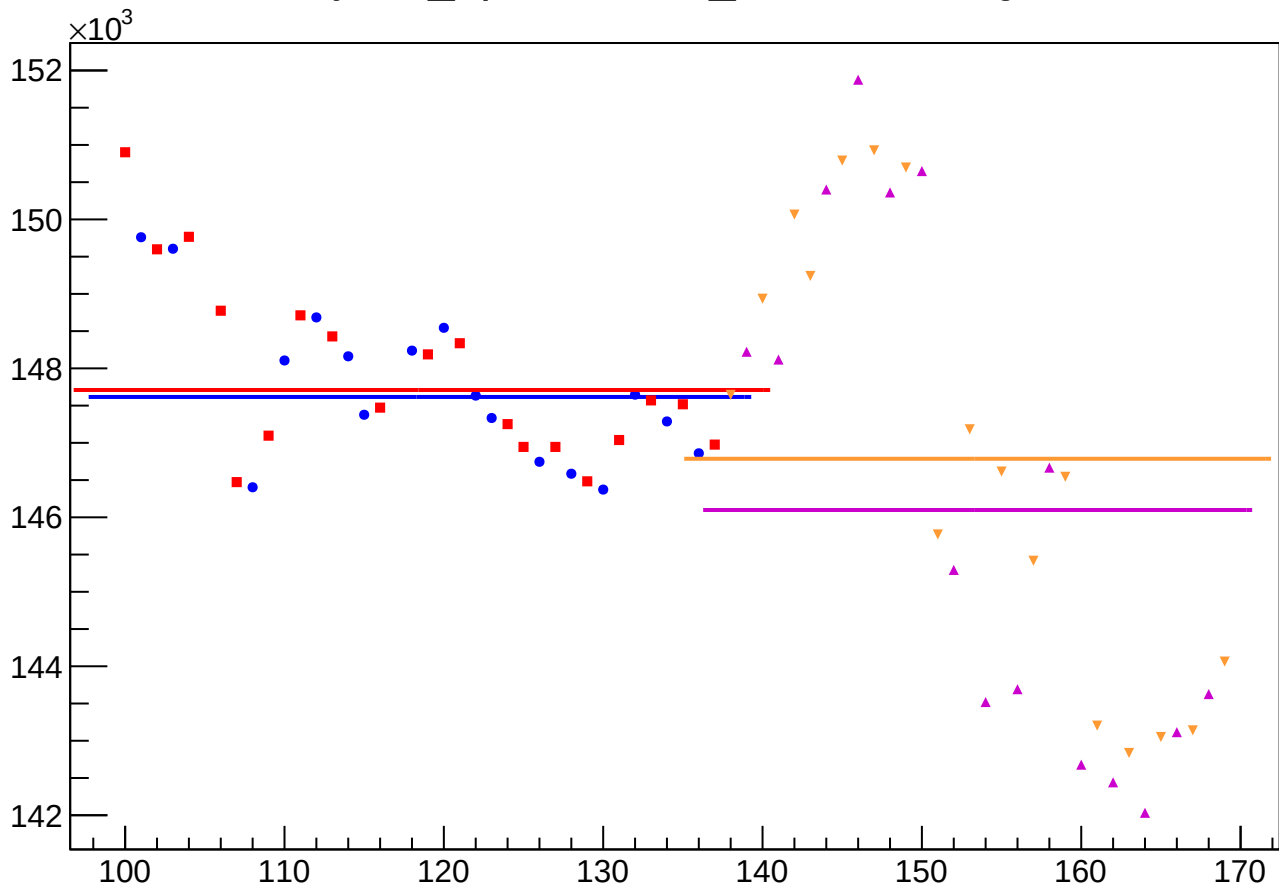
Left In: 189.046 $\pm$ 0.040 χ^2 /NDF: 428464.6/14

+ sign 151.799 $\pm$ 0.026 χ^2 /NDF: 3606432.9/33

All: 149.230 $\pm$ 0.018 χ^2 /NDF: 7538928.8/67

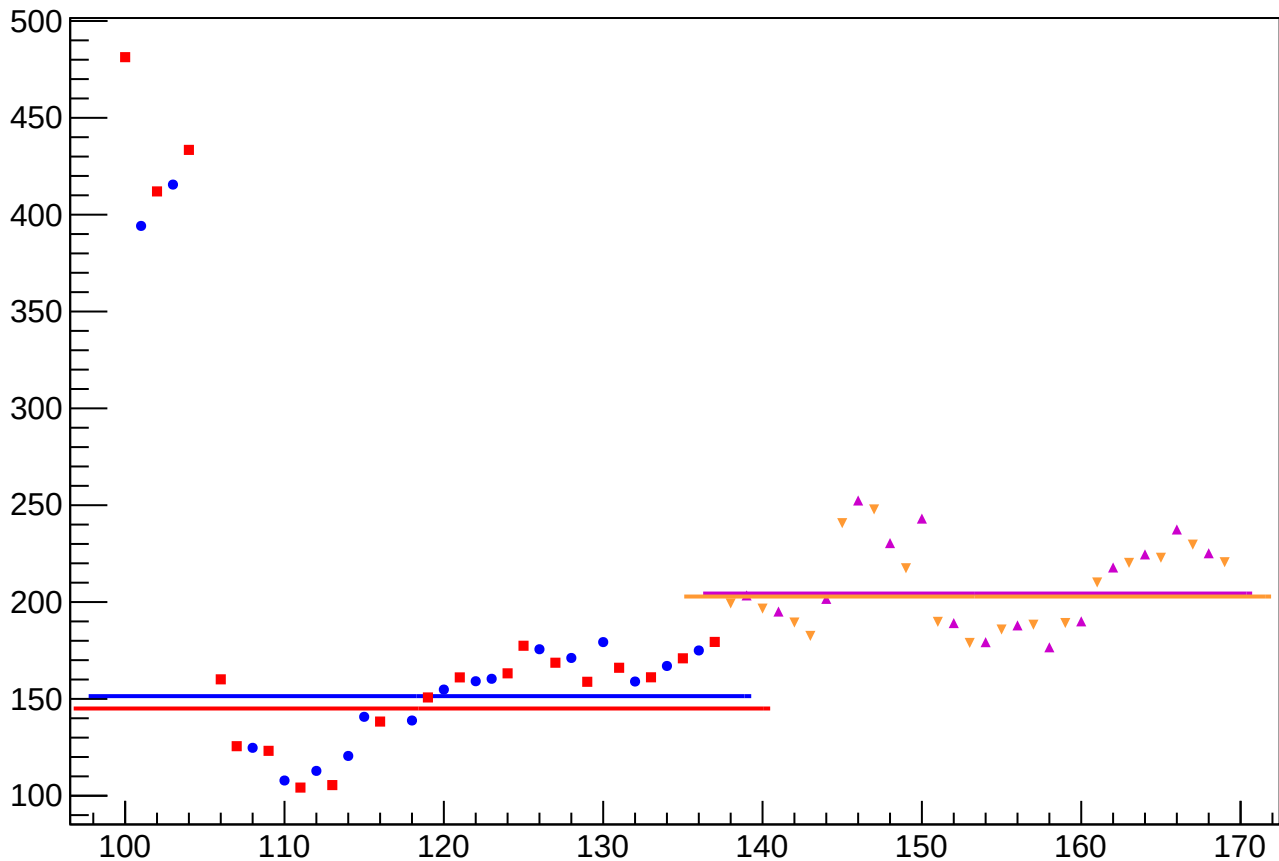
- sign 146.716 $\pm$ 0.026 χ^2 /NDF: 3913020.5/33

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150+/-0.062	χ^2/NDF : 199263428.7/16	+ sign 147168.364+/-0.042	χ^2/NDF : 2343113551.3
Left Out: 146786.338+/-0.058	χ^2/NDF : 2048675769.5/16	All: 147050.089+/-0.030	χ^2/NDF : 563407682
Right Out: 147709.723+/-0.058	χ^2/NDF : 203906685.9/18	- sign 146933.999+/-0.042	χ^2/NDF : 3275541293.2/14
Left In: 146098.357+/-0.061	χ^2/NDF : 2704202748.3/14		

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 202.849 $\pm$ 0.041 χ^2 /NDF: 236601.4/16

+ sign 179.174 $\pm$ 0.030 χ^2 /NDF: 2225470.4/33

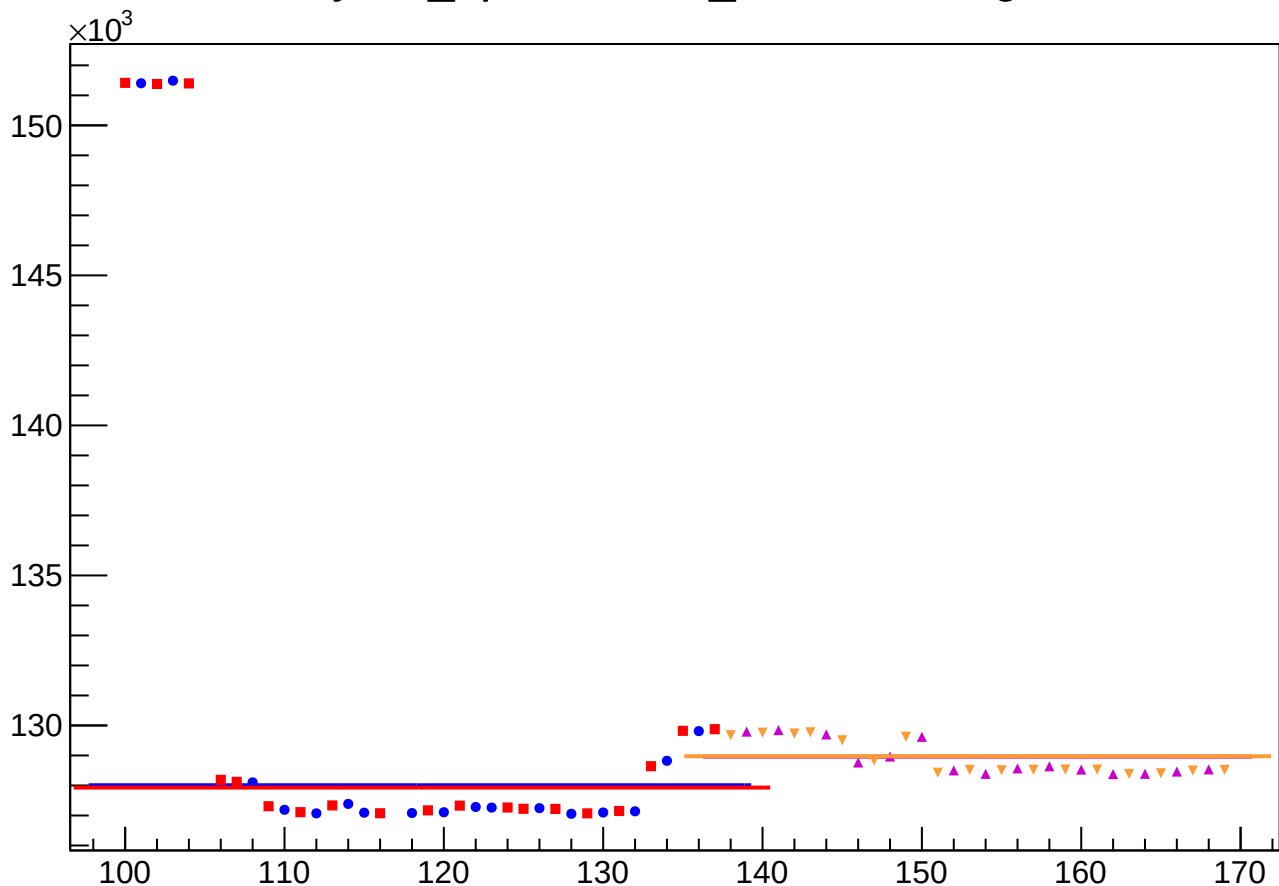
Right Out: 145.039 $\pm$ 0.041 χ^2 /NDF: 1375972.0/18

All: 176.367 $\pm$ 0.021 χ^2 /NDF: 4895861.3/67

- sign 173.612 $\pm$ 0.030 χ^2 /NDF: 2653017.4/33

Left In: 204.391 $\pm$ 0.043 χ^2 /NDF: 280073.5/14

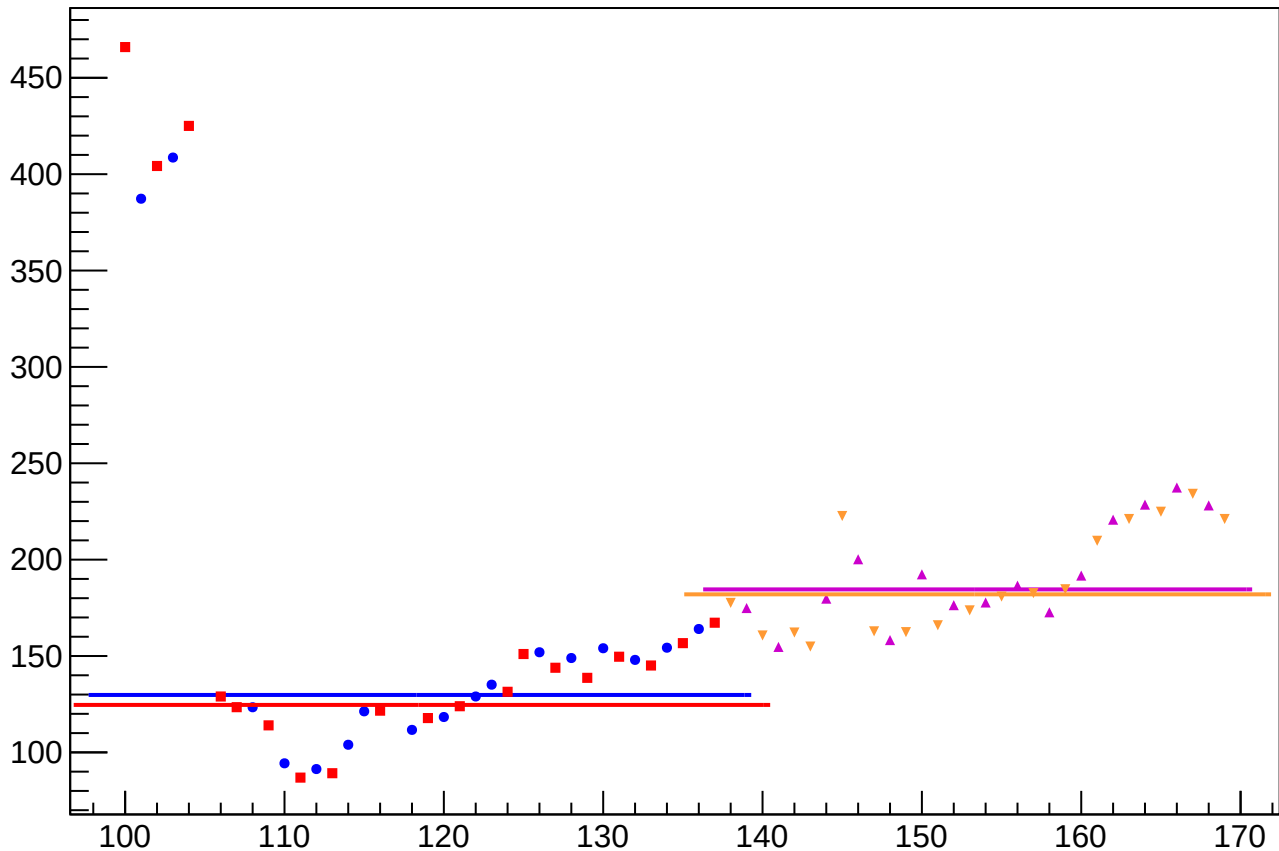
yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 ± 0.054 $\chi^2/\text{NDF}: 4319785674.5/16$
 Left Out: 128973.618 ± 0.052 $\chi^2/\text{NDF}: 121458777.2/16$
 Right Out: 127930.136 ± 0.050 $\chi^2/\text{NDF}: 3768176193.0/18$
 Left In: 128960.346 ± 0.055 $\chi^2/\text{NDF}: 106533903.8/14$

+ sign 128510.961 ± 0.037 $\chi^2/\text{NDF}: 4607356002.5$
 All: 128456.343 ± 0.026 $\chi^2/\text{NDF}: 867813913$
 - sign 128402.856 ± 0.037 $\chi^2/\text{NDF}: 4066573561.0$

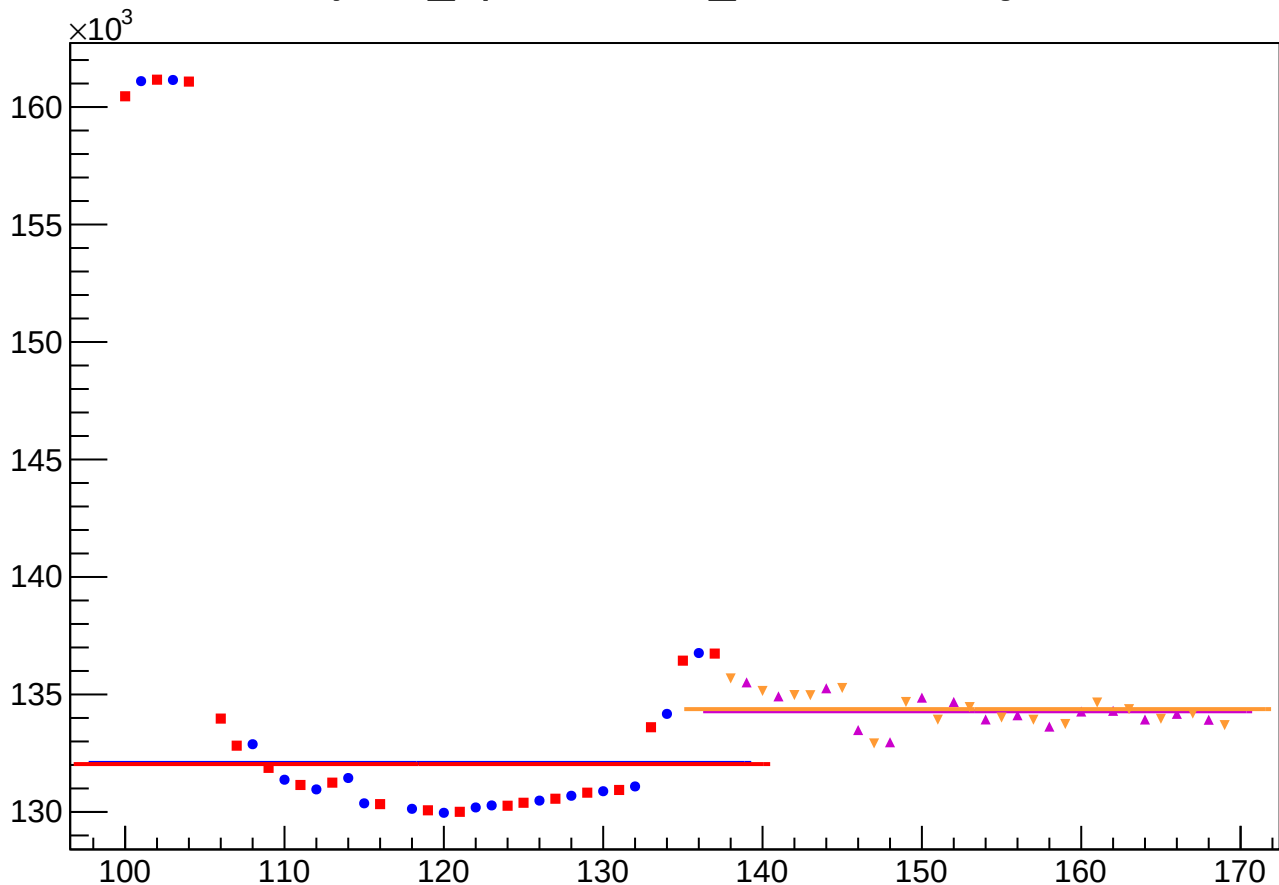
yield_bpm2i01WS_rms vs Slug



Right In: 129.796 ± 0.038 χ^2/NDF : 1485294.2/16
 Left Out: 181.997 ± 0.037 χ^2/NDF : 438449.6/16
 Right Out: 124.625 ± 0.036 χ^2/NDF : 1531827.4/18
 Left In: 184.565 ± 0.039 χ^2/NDF : 339795.6/14

+ sign 157.002 ± 0.026 χ^2/NDF : 2893360.2/33
 All: 154.540 ± 0.019 χ^2/NDF : 6081091.6/67
 - sign 152.129 ± 0.026 χ^2/NDF : 3170620.2/33

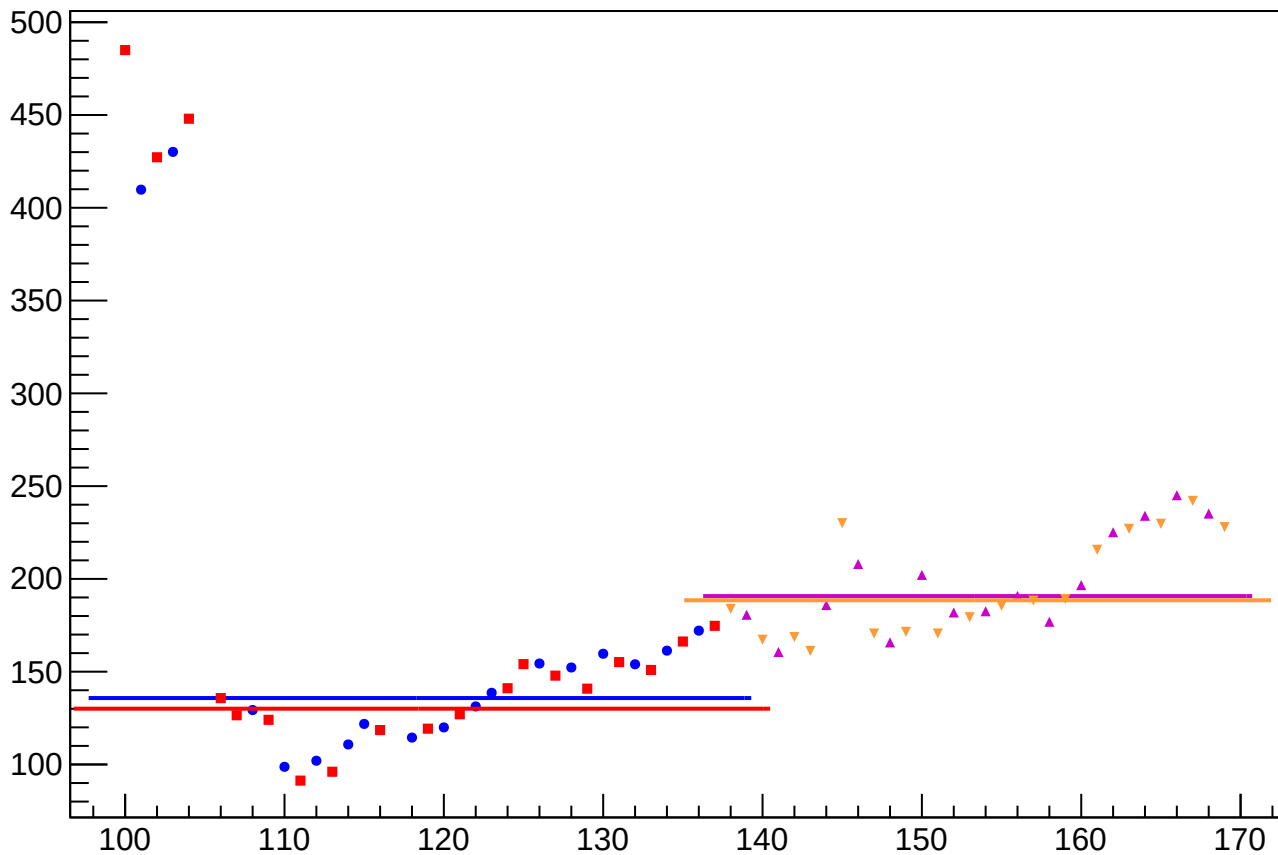
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134376.498 $\pm$ 0.054 χ^2 /NDF: 170839996.9/16
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134284.679 $\pm$ 0.057 χ^2 /NDF: 159273303.2/14

+ sign 133290.125 $\pm$ 0.039 χ^2 /NDF: 7766414127.9
 All: 133183.210 $\pm$ 0.027 χ^2 /NDF: 146706615
 - sign 133078.776 $\pm$ 0.038 χ^2 /NDF: 6889341703.9

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 188.492 $\pm$ 0.038 χ^2 /NDF: 408551.8/16

Right Out: 130.070 $\pm$ 0.037 χ^2 /NDF: 1503997.6/18

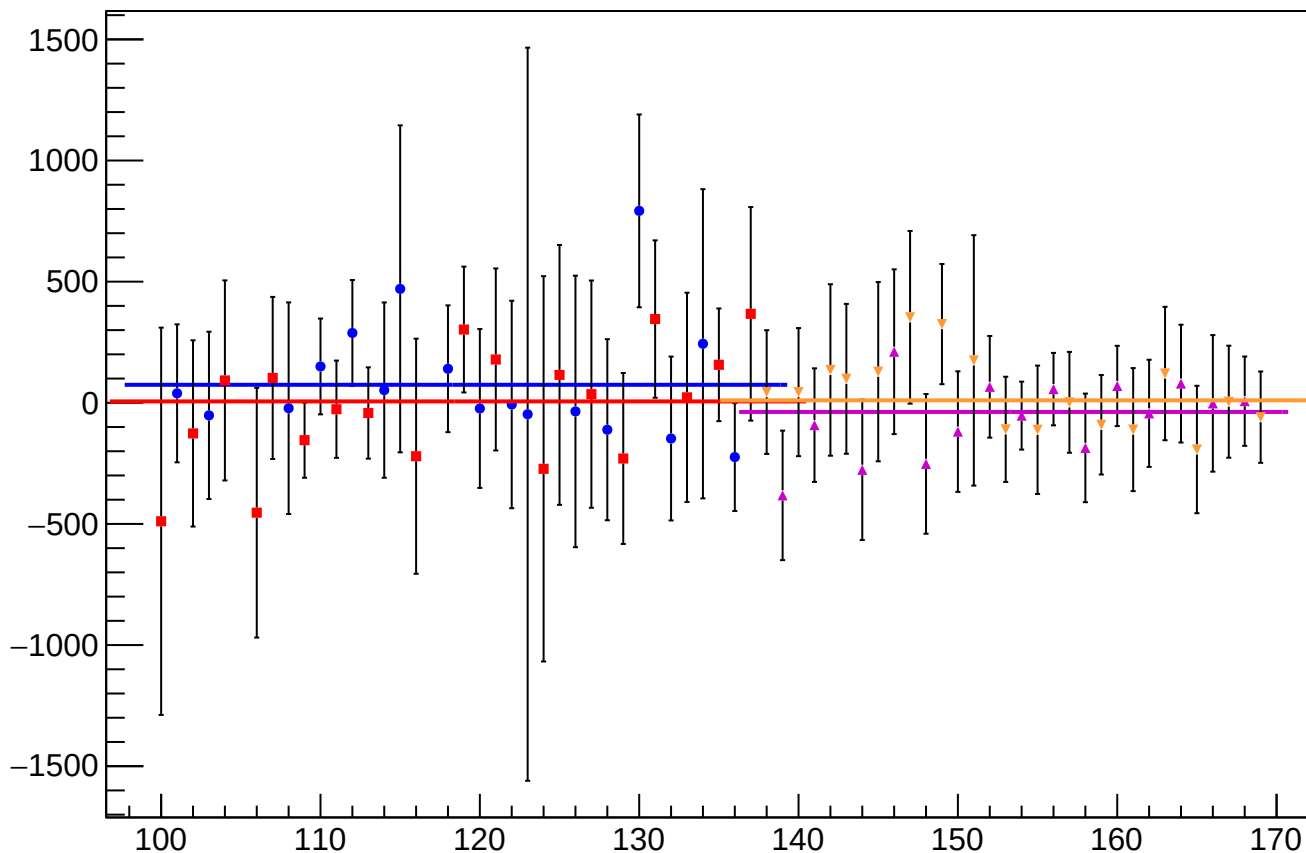
Left In: 190.743 $\pm$ 0.040 χ^2 /NDF: 324422.7/14

+ sign 163.490 $\pm$ 0.028 χ^2 /NDF: 2763959.4/33

All: 160.805 $\pm$ 0.019 χ^2 /NDF: 5847502.2/67

- sign 158.183 $\pm$ 0.027 χ^2 /NDF: 3064744.9/33

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 10.023+/-62.558 χ^2/NDF : 4.9/16

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

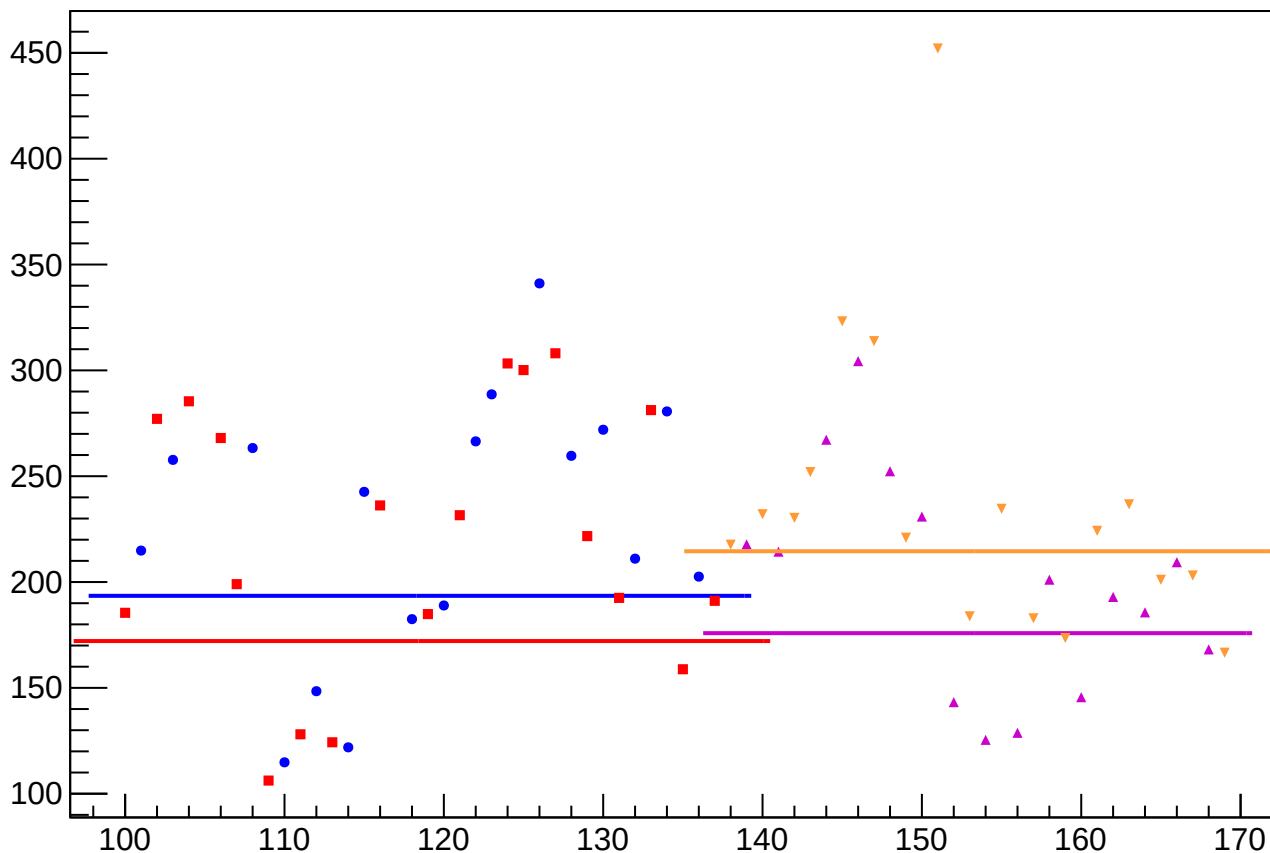
Left In: -37.849+/-54.638 χ^2/NDF : 5.4/14

+ sign 34.786+/-49.048 χ^2/NDF : 13.0/33

All: 3.092+/-32.371 χ^2/NDF : 26.5/67

- sign -21.367+/-43.087 χ^2/NDF : 12.8/33

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 214.538 $\pm$ 0.044 χ^2 /NDF:1126484.8/16

Right Out: 172.122 $\pm$ 0.050 χ^2 /NDF: 1579840.2/18

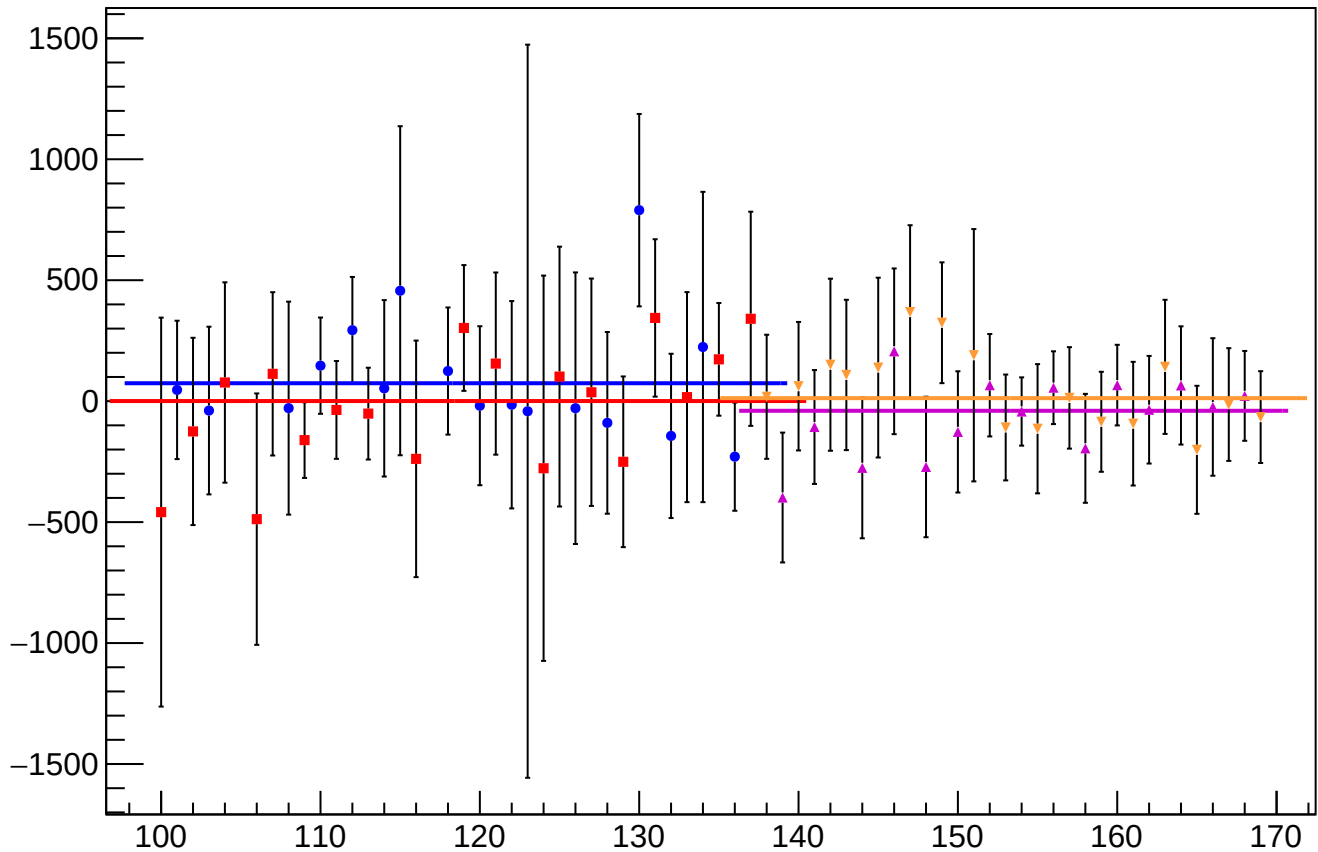
Left In: 175.853 $\pm$ 0.039 χ^2 /NDF:1470614.0/14

+ sign 206.428 $\pm$ 0.035 χ^2 /NDF: 2230928.7/33

All: 188.374 $\pm$ 0.023 χ^2 /NDF: 5764978.9/67

- sign 174.442 $\pm$ 0.030 χ^2 /NDF: 3053979.3/33

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098 $\pm$ 79.404 χ^2 /NDF: 7.6/16

Left Out: 12.407 $\pm$ 62.967 χ^2 /NDF: 5.0/16

Right Out: 0.503 $\pm$ 70.437 χ^2 /NDF: 7.3/18

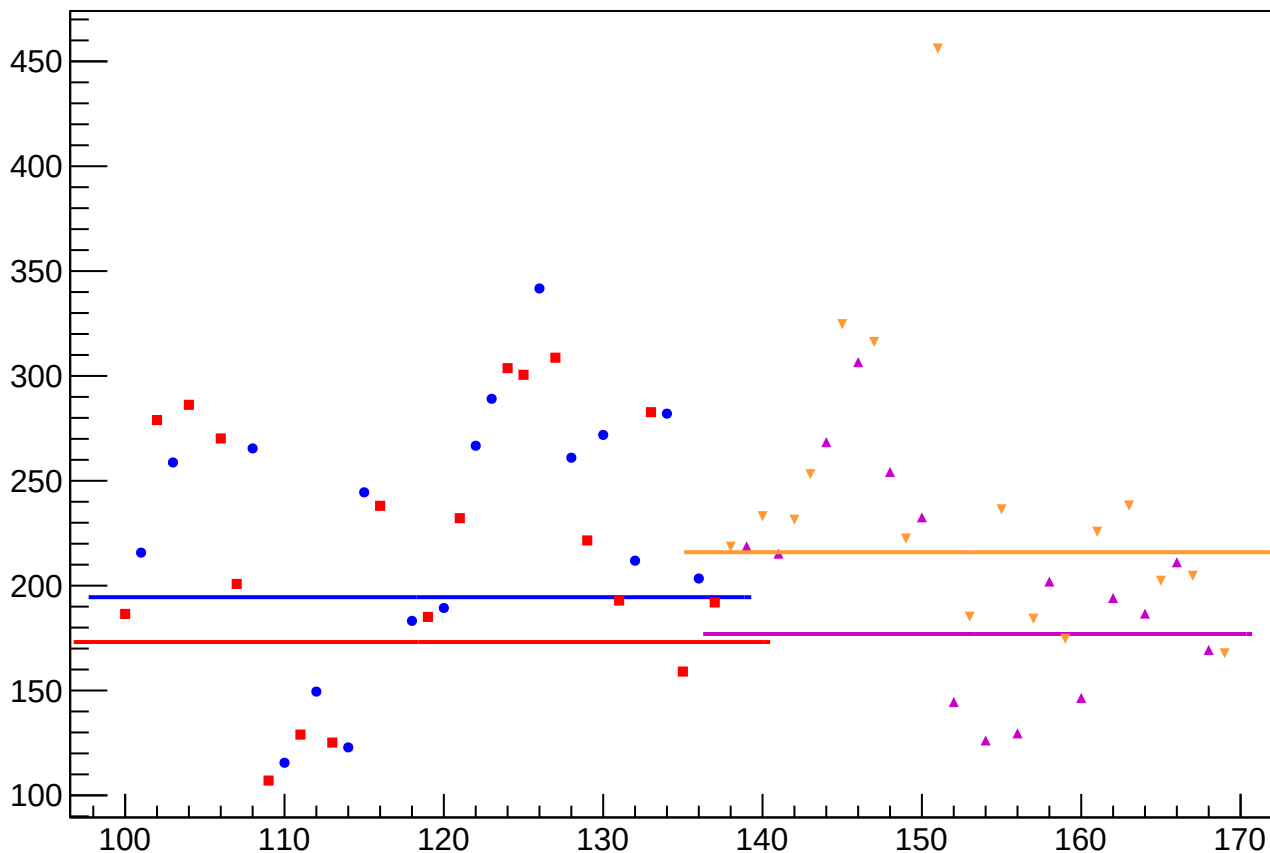
Left In: -39.790 $\pm$ 54.978 χ^2 /NDF: 5.6/14

+ sign 36.224 $\pm$ 49.337 χ^2 /NDF: 13.0/33

All: 1.928 $\pm$ 32.561 χ^2 /NDF: 27.0/67

- sign -24.536 $\pm$ 43.339 χ^2 /NDF: 13.1/33

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 215.938 $\pm$ 0.045 χ^2 /NDF:1125455.8/16

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

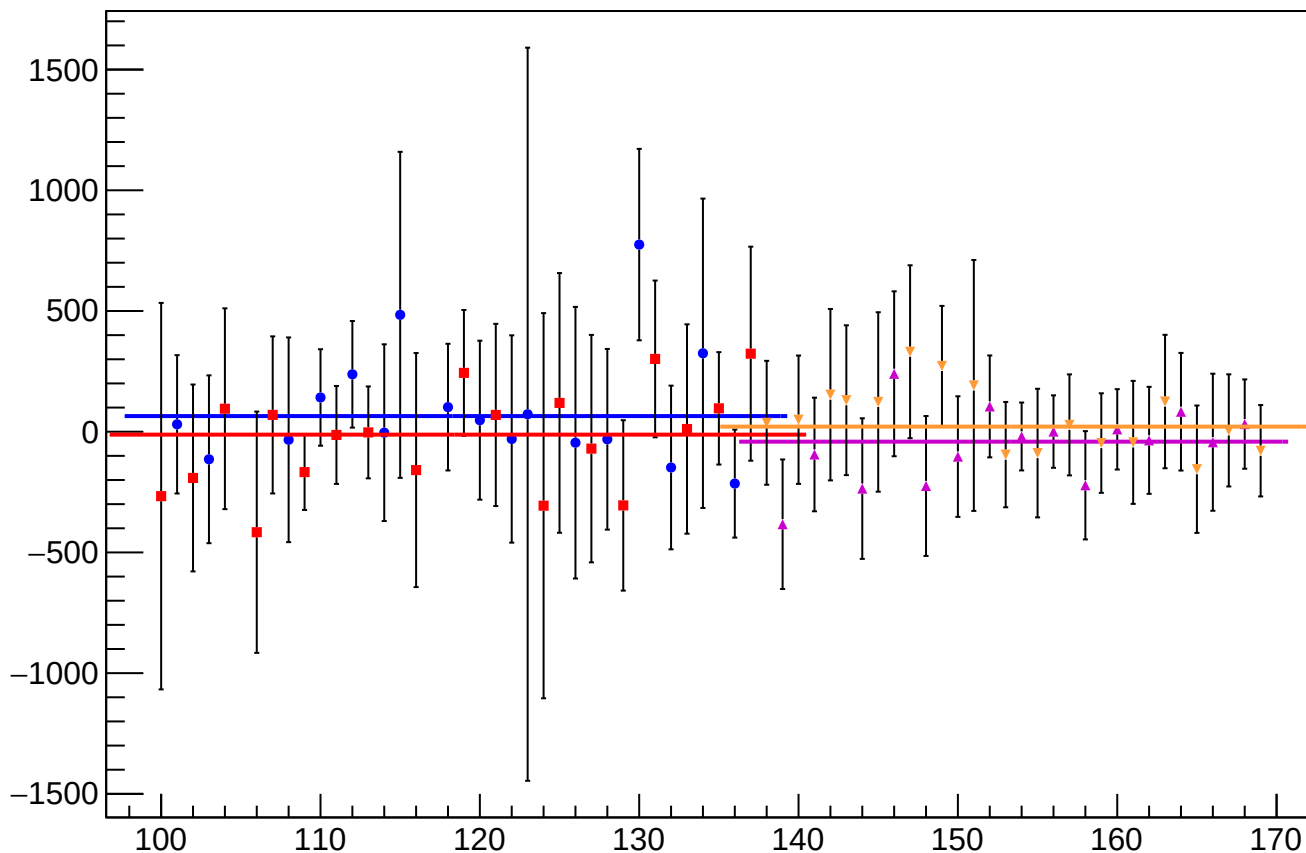
Left In: 176.944 $\pm$ 0.039 χ^2 /NDF:1469180.2/14

+ sign 207.660 $\pm$ 0.035 χ^2 /NDF: 2223505.9/33

All: 189.503 $\pm$ 0.023 χ^2 /NDF: 5743619.0/67

- sign 175.493 $\pm$ 0.031 χ^2 /NDF: 3040234.6/33

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 21.115 ± 62.822 χ^2/NDF : 3.7/16

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

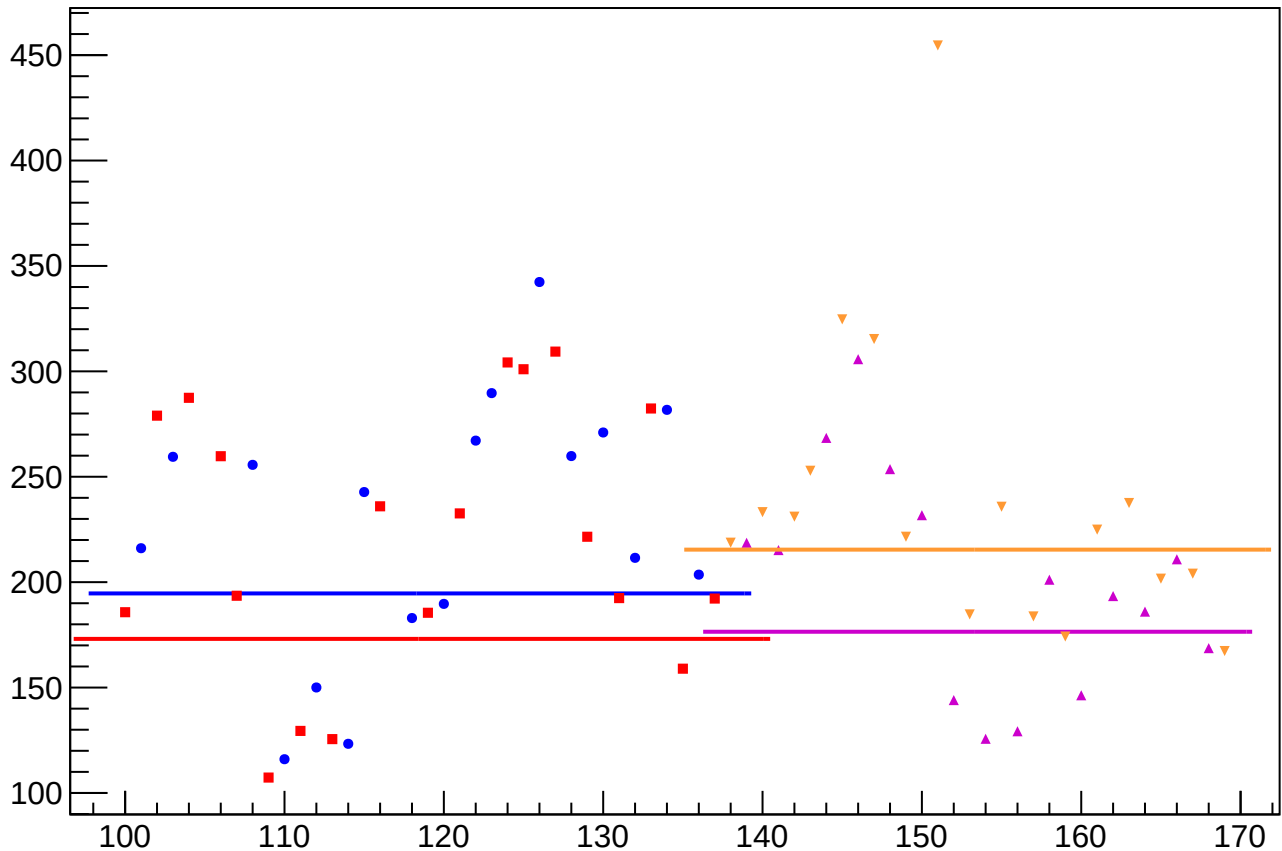
Left In: -41.194 ± 54.836 χ^2/NDF : 5.0/14

+ sign 37.908 ± 49.266 χ^2/NDF : 10.9/33

All: -0.553 ± 32.503 χ^2/NDF : 22.9/67

- sign -30.198 ± 43.252 χ^2/NDF : 10.9/33

asym_bcm_an_us_rms vs Slug



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 215.429+/-0.044 χ^2/NDF : 1127558.1/16

Right Out: 173.089+/-0.050 χ^2/NDF : 1544540.9/18

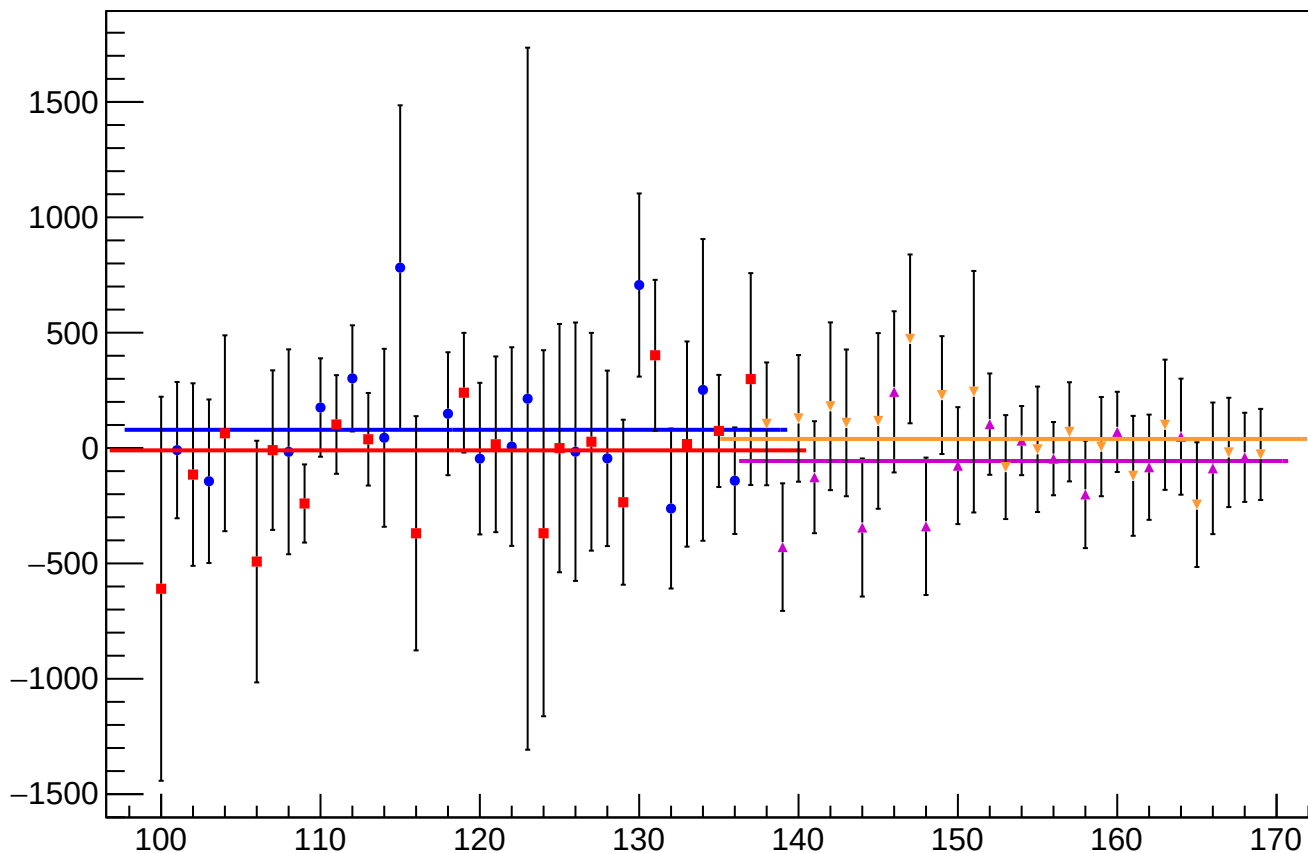
Left In: 176.476+/-0.039 χ^2/NDF : 1472874.7/14

+ sign 207.430+/-0.035 χ^2/NDF : 2198585.8/33

All: 189.227+/-0.023 χ^2/NDF : 5702391.3/67

- sign 175.196+/-0.031 χ^2/NDF : 3020298.9/33

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 39.428 $\pm$ 64.649 χ^2 /NDF:4.6/16

Right Out: -9.982 $\pm$ 73.310 χ^2 /NDF: 7.9/18

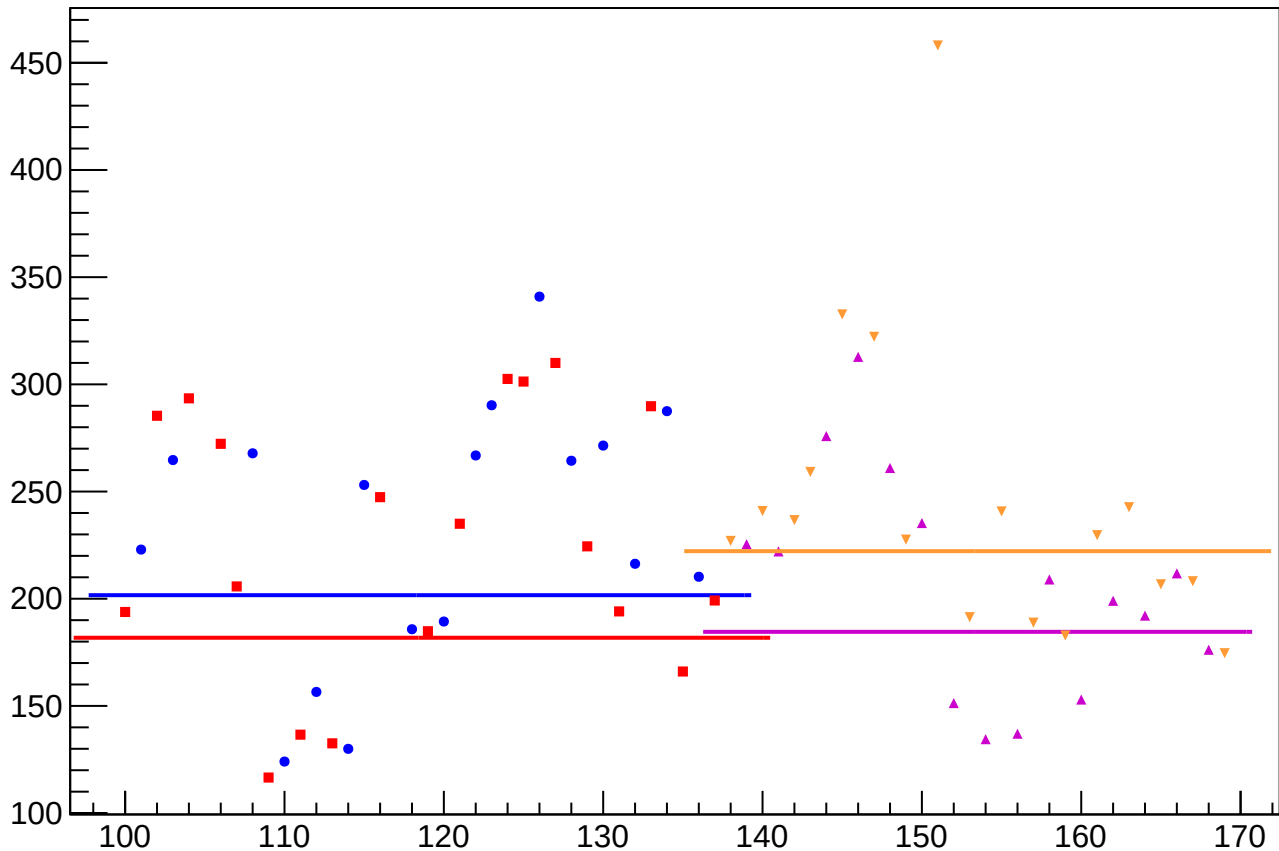
Left In: -56.084 $\pm$ 57.072 χ^2 /NDF:6.5/14

+ sign 54.675 $\pm$ 50.738 χ^2 /NDF: 12.3/33

All: 2.453 $\pm$ 33.681 χ^2 /NDF: 28.7/67

- sign -38.687 $\pm$ 45.034 χ^2 /NDF: 14.6/33

asym_bcm_dg_us_rms vs Slug



Right In: 201.654+/-0.058 χ^2/NDF : 883179.7/16

Left Out: 222.189+/-0.046 χ^2/NDF : 1069024.5/16

Right Out: 181.797+/-0.052 χ^2/NDF : 1377449.9/18

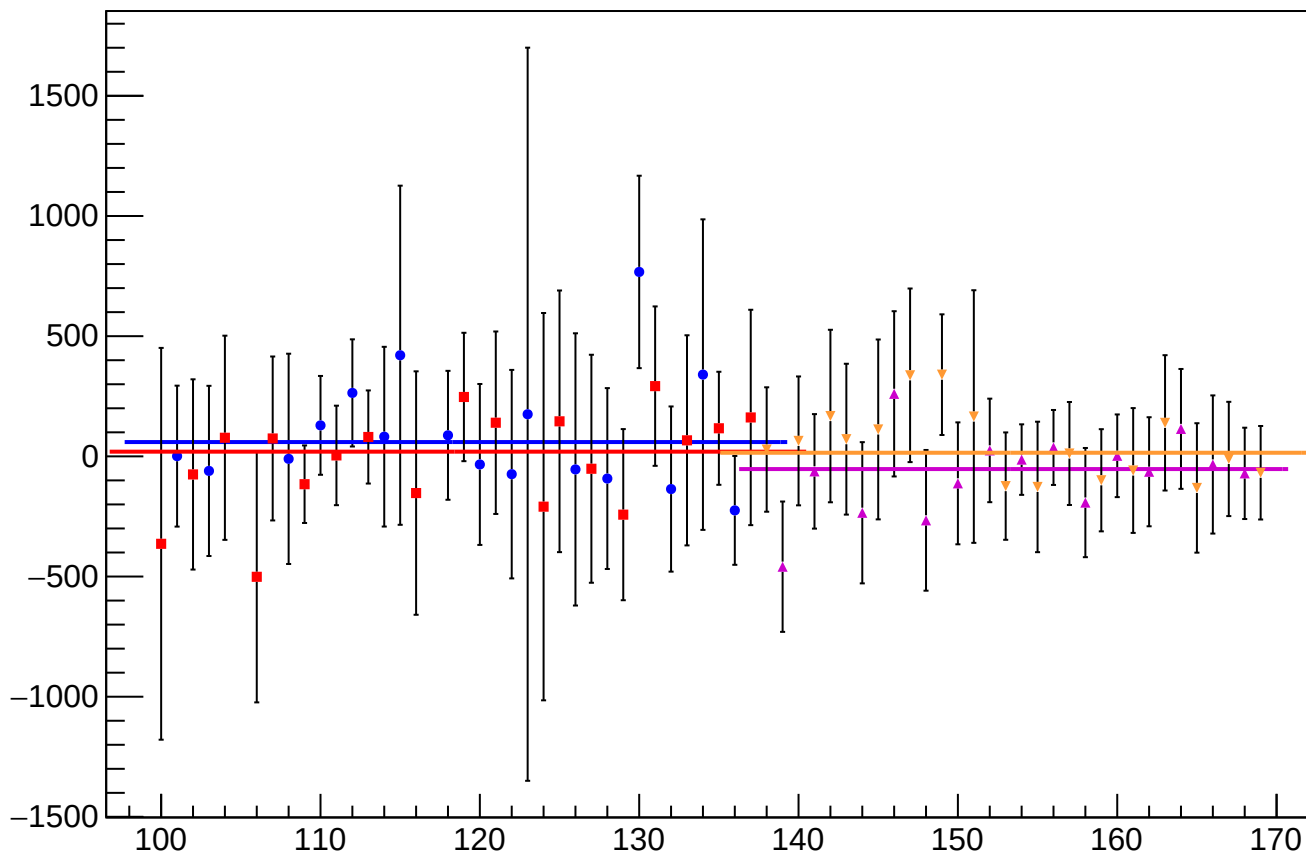
Left In: 184.557+/-0.040 χ^2/NDF : 1328277.4/14

+ sign 214.303+/-0.036 χ^2/NDF : 2029697.9/33

All: 197.082+/-0.024 χ^2/NDF : 5149072.5/67

- sign 183.516+/-0.032 χ^2/NDF : 2707492.2/33

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496+/-80.808 χ^2/NDF : 7.0/16

Left Out: 15.004+/-64.021 χ^2/NDF : 4.6/16

Right Out: 19.541+/-71.866 χ^2/NDF : 4.7/18

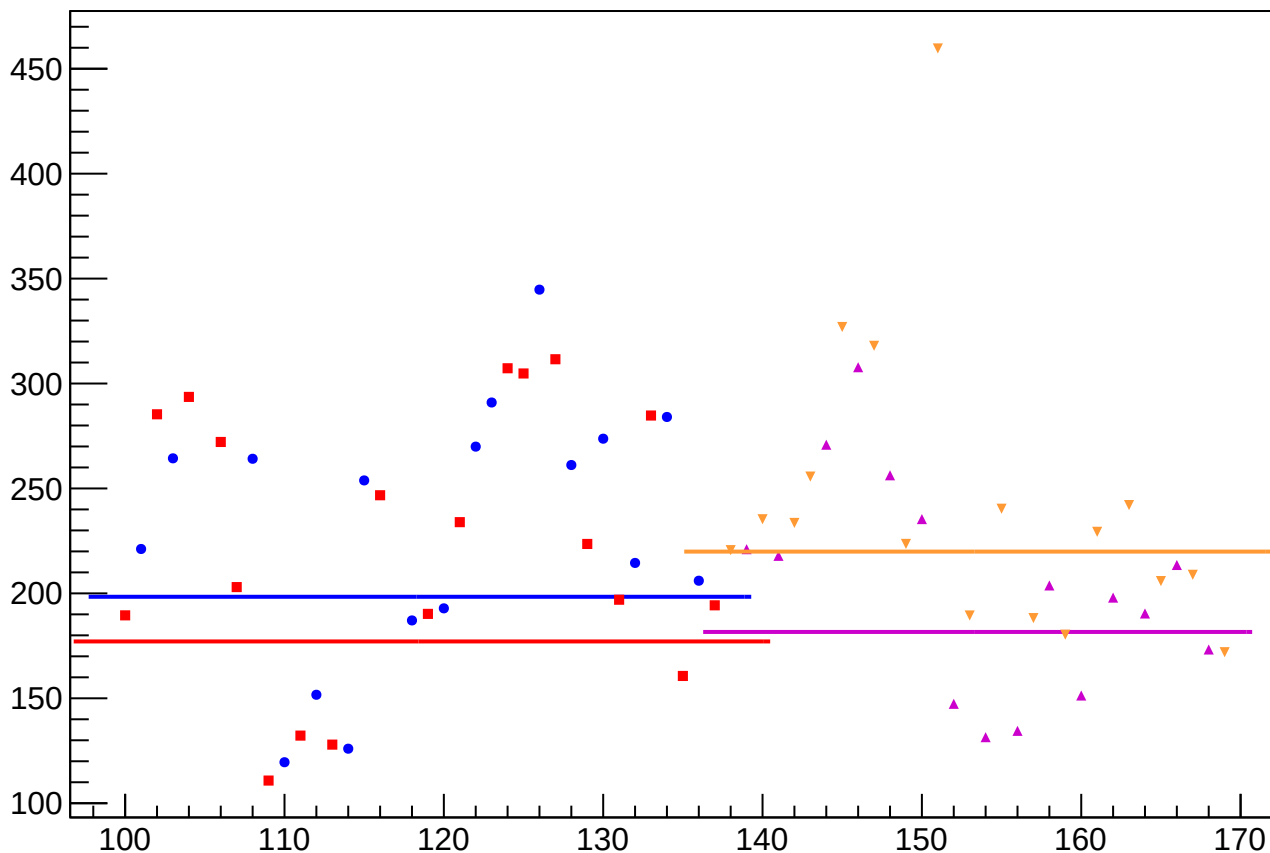
Left In: -52.853+/-56.243 χ^2/NDF : 5.5/14

+ sign 32.161+/-50.181 χ^2/NDF : 11.8/33

All: -0.169+/-33.207 χ^2/NDF : 23.4/67

- sign -25.355+/-44.292 χ^2/NDF : 10.9/33

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 219.909 $\pm$ 0.045 χ^2 /NDF:1071227.6/16

Right Out: 177.096 $\pm$ 0.051 χ^2 /NDF: 1524763.6/18

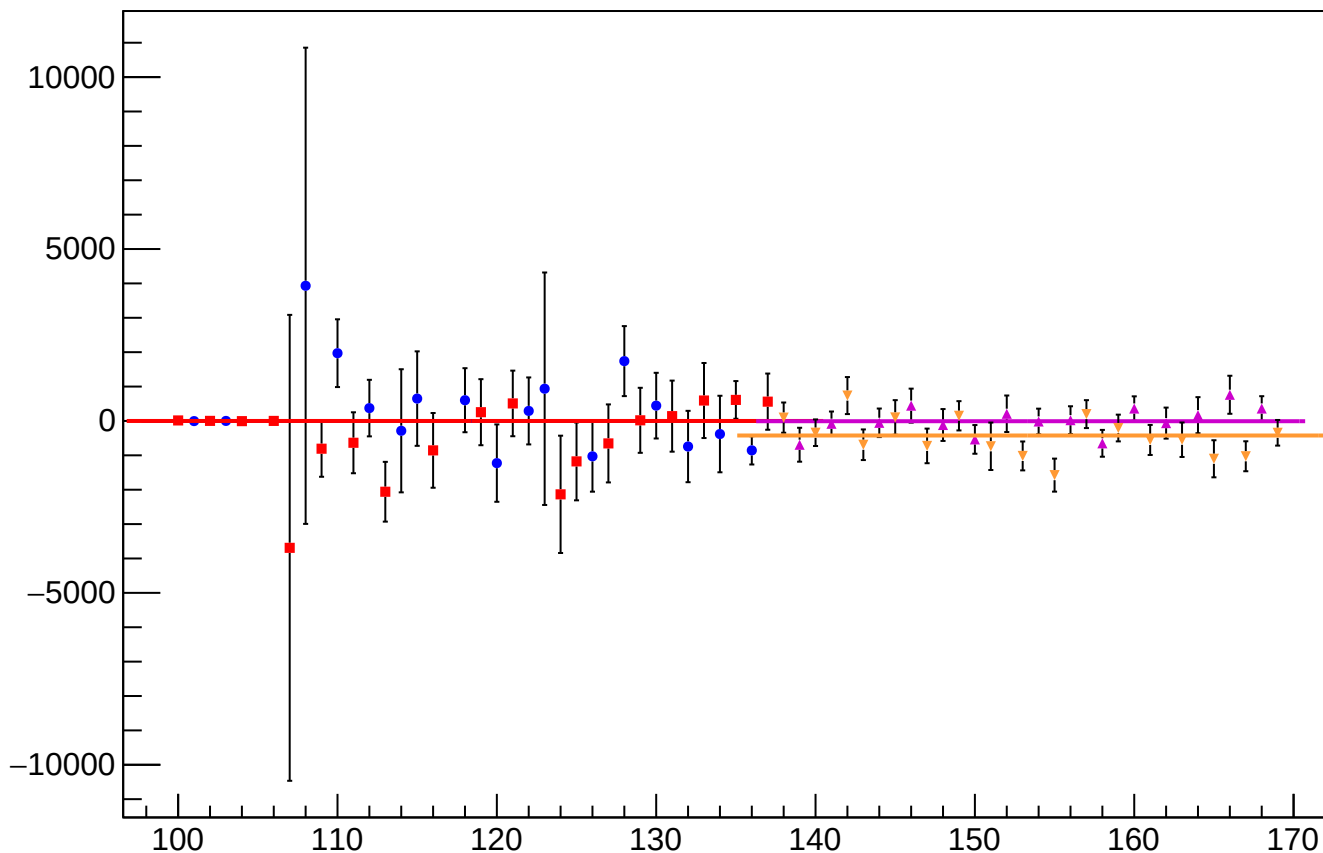
Left In: 181.619 $\pm$ 0.040 χ^2 /NDF:1351734.1/14

+ sign 211.606 $\pm$ 0.035 χ^2 /NDF: 2122133.1/33

All: 193.785 $\pm$ 0.023 χ^2 /NDF: 5452314.6/67

- sign 179.901 $\pm$ 0.031 χ^2 /NDF: 2881411.7/33

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -423.205 ± 109.318 χ^2/NDF : 24.0/16

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

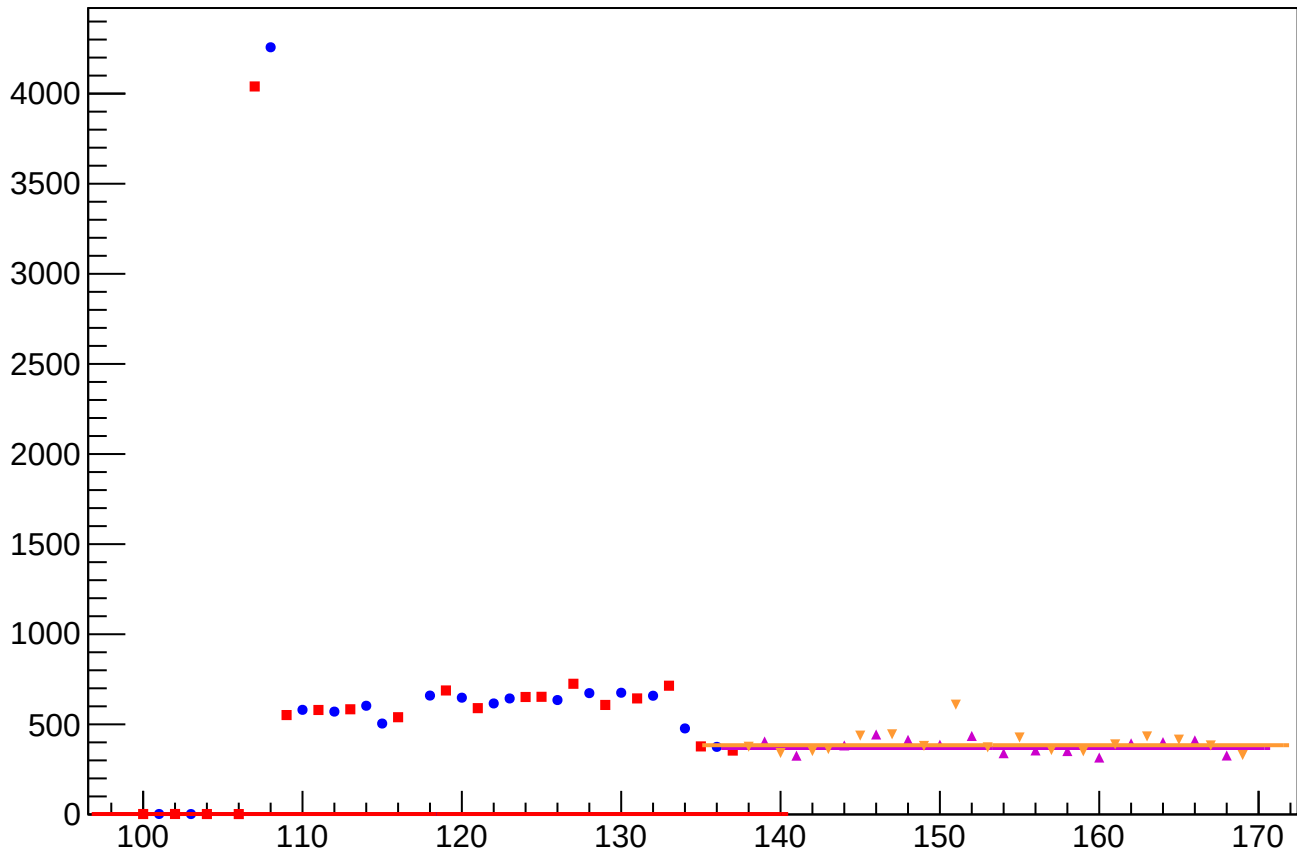
Left In: -7.843 ± 109.588 χ^2/NDF : 11.6/14

+ sign -1.708 ± 2.251 χ^2/NDF : 55.9/33

All: -1.187 ± 1.540 χ^2/NDF : 86.9/67

- sign -0.729 ± 2.111 χ^2/NDF : 30.9/33

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 384.237+/-0.077 χ^2/NDF : 411862.2/16

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

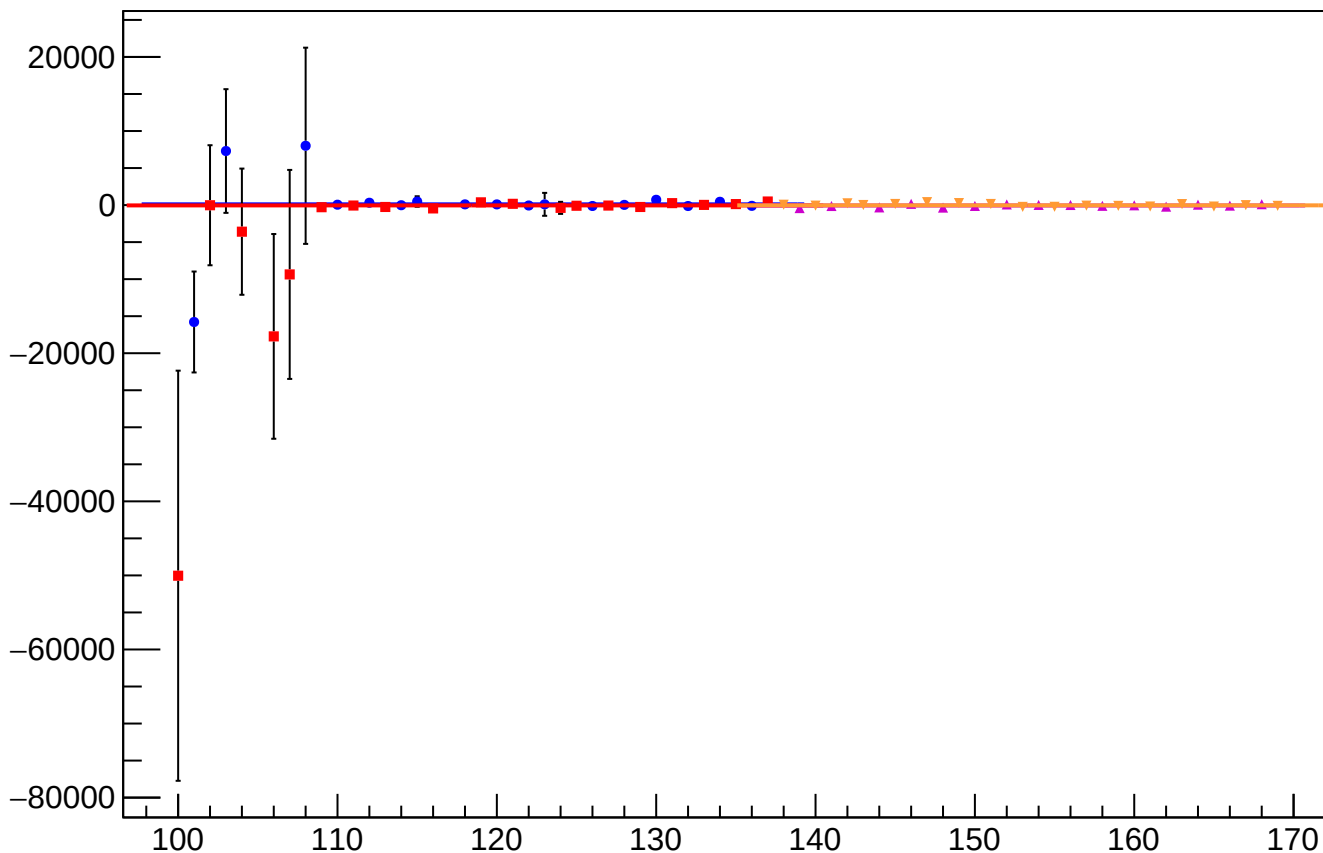
Left In: 368.784+/-0.077 χ^2/NDF : 257878.6/14

+ sign 2.619+/-0.002 χ^2/NDF : 35642804.2/33

All: 2.594+/-0.001 χ^2/NDF : 69390715.3/67

- sign 2.573+/-0.001 χ^2/NDF : 33747468.8/33

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -34.316+/-66.587 χ^2/NDF : 6.1/16

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

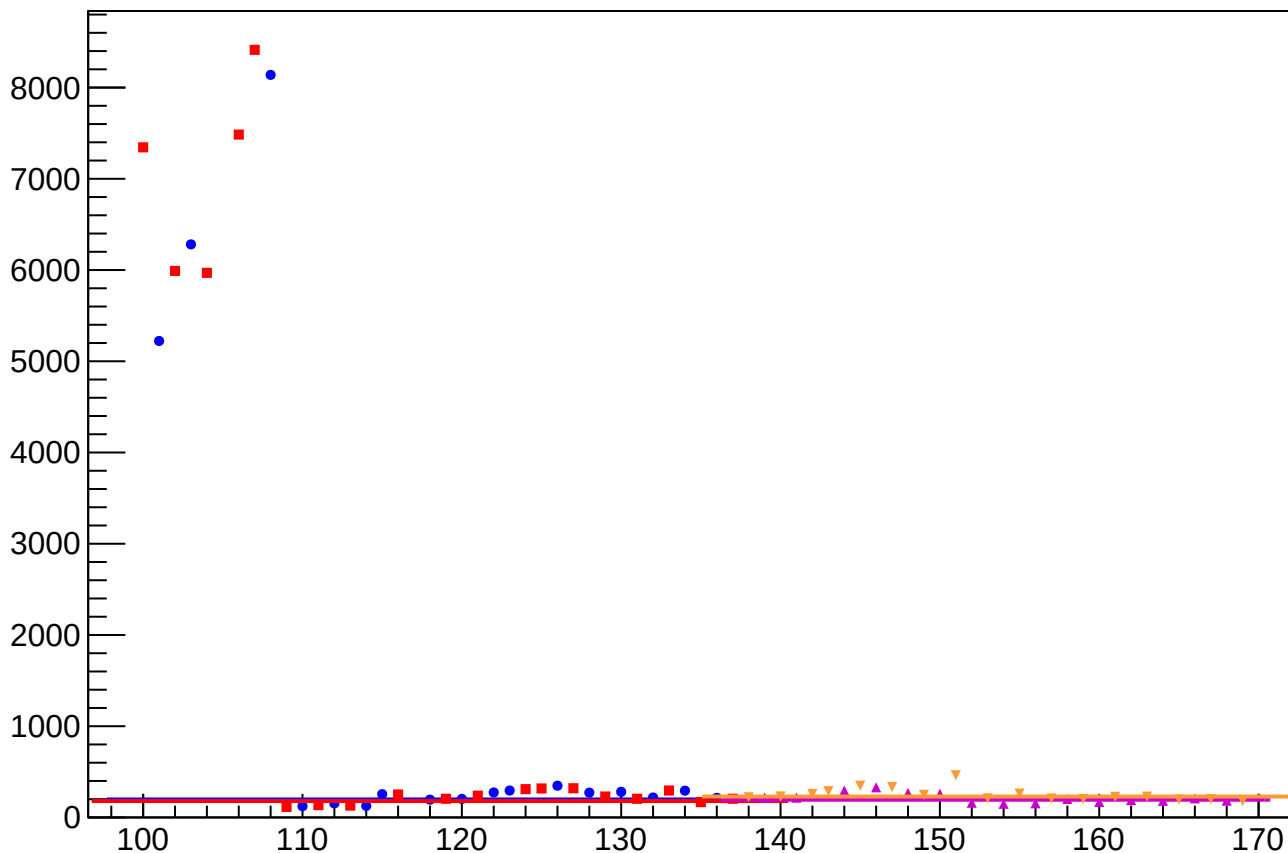
Left In: -55.803+/-59.746 χ^2/NDF : 6.0/14

+ sign 12.141+/-53.708 χ^2/NDF : 19.3/33

All: -22.623+/-36.111 χ^2/NDF : 40.0/67

- sign -51.303+/-48.783 χ^2/NDF : 19.9/33

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 229.171+/-0.047 χ^2/NDF : 1057976.5/16

Right Out: 179.949+/-0.060 χ^2/NDF : 4321173.8/18

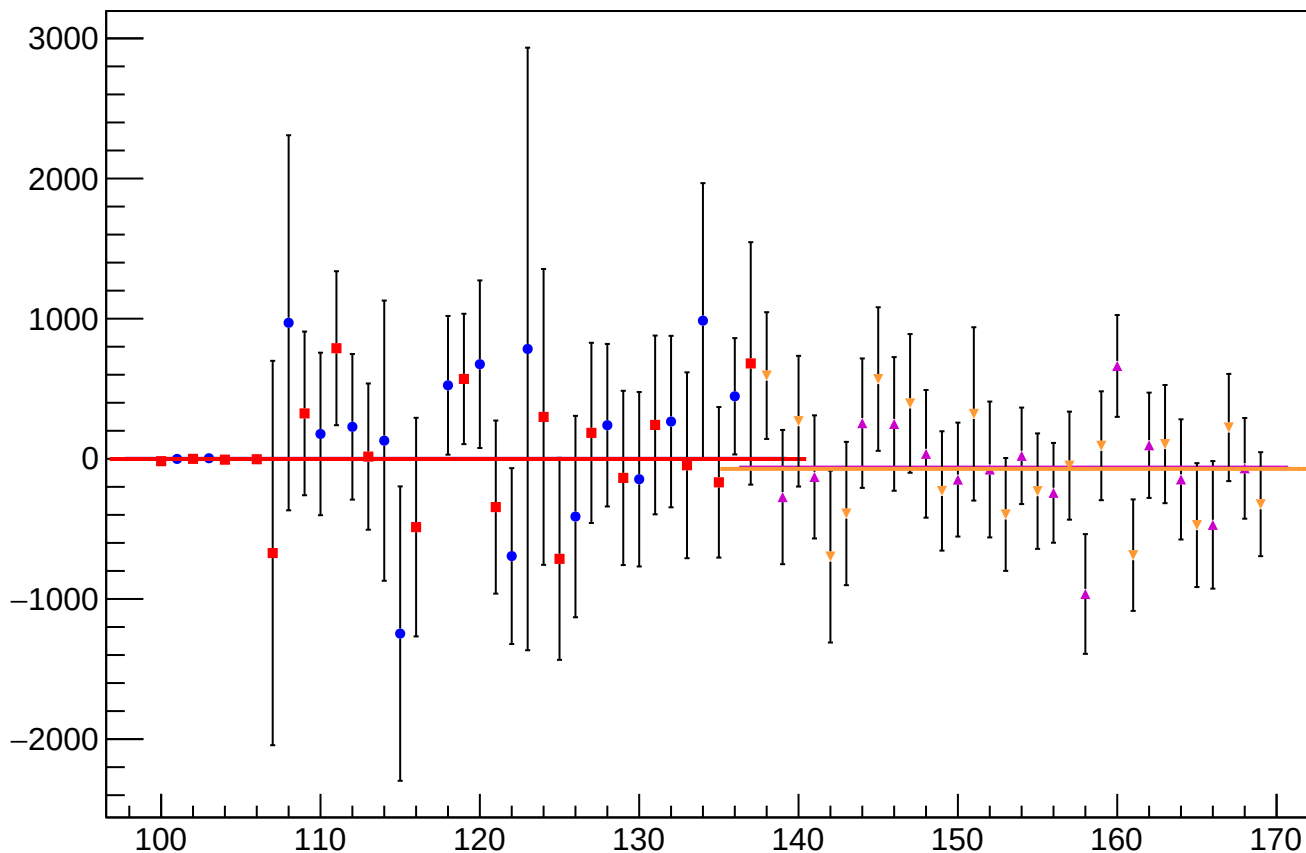
Left In: 194.583+/-0.042 χ^2/NDF : 1068762.2/14

+ sign 217.960+/-0.038 χ^2/NDF : 4913844.7/33

All: 202.478+/-0.026 χ^2/NDF : 10647064.9/67

- sign 189.705+/-0.034 χ^2/NDF : 5429926.7/33

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -71.808 ± 106.253 χ^2/NDF : 12.6/16

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

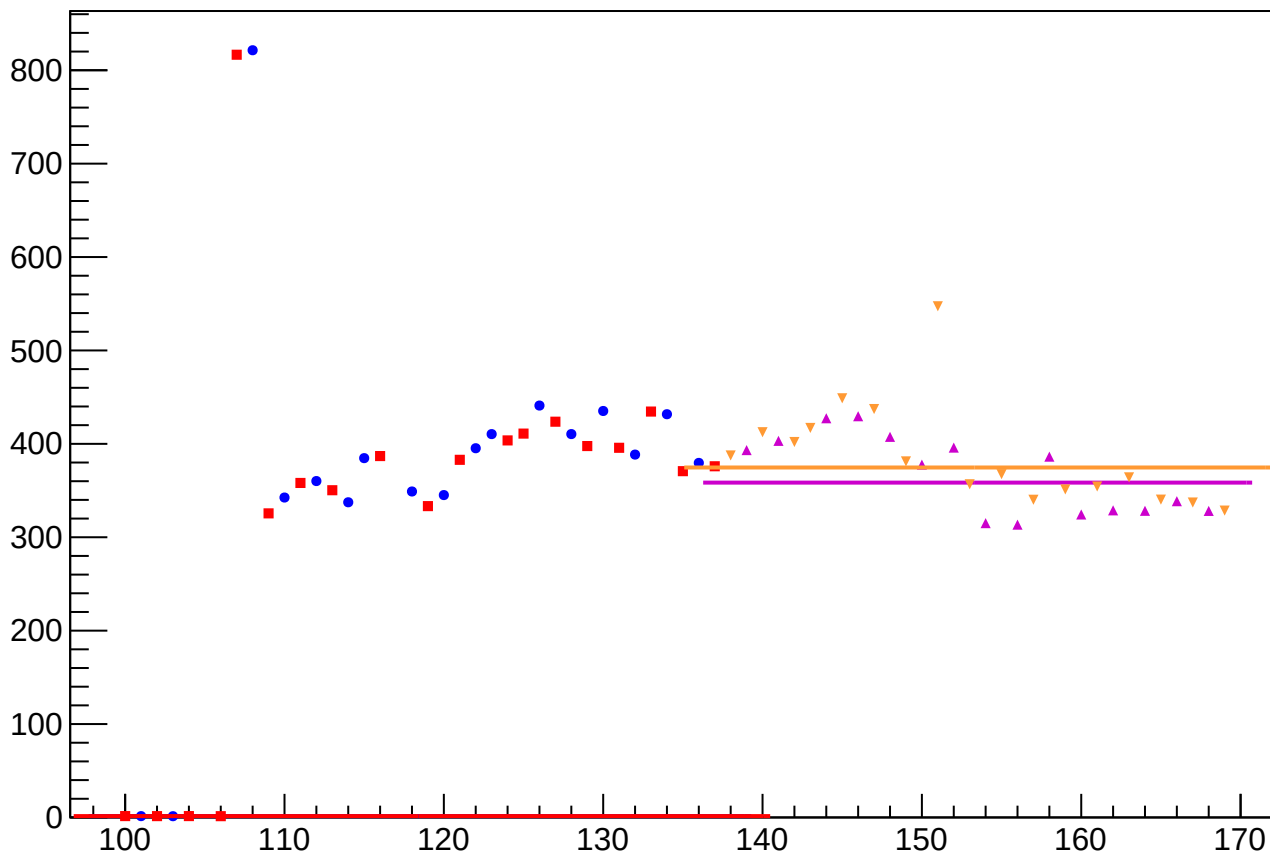
Left In: -62.697 ± 106.457 χ^2/NDF : 11.0/14

+ sign -0.157 ± 1.736 χ^2/NDF : 22.8/33

All: -0.787 ± 1.185 χ^2/NDF : 43.9/67

- sign -1.338 ± 1.622 χ^2/NDF : 20.9/33

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 374.680+/-0.075 χ^2/NDF : 359220.0/16

Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

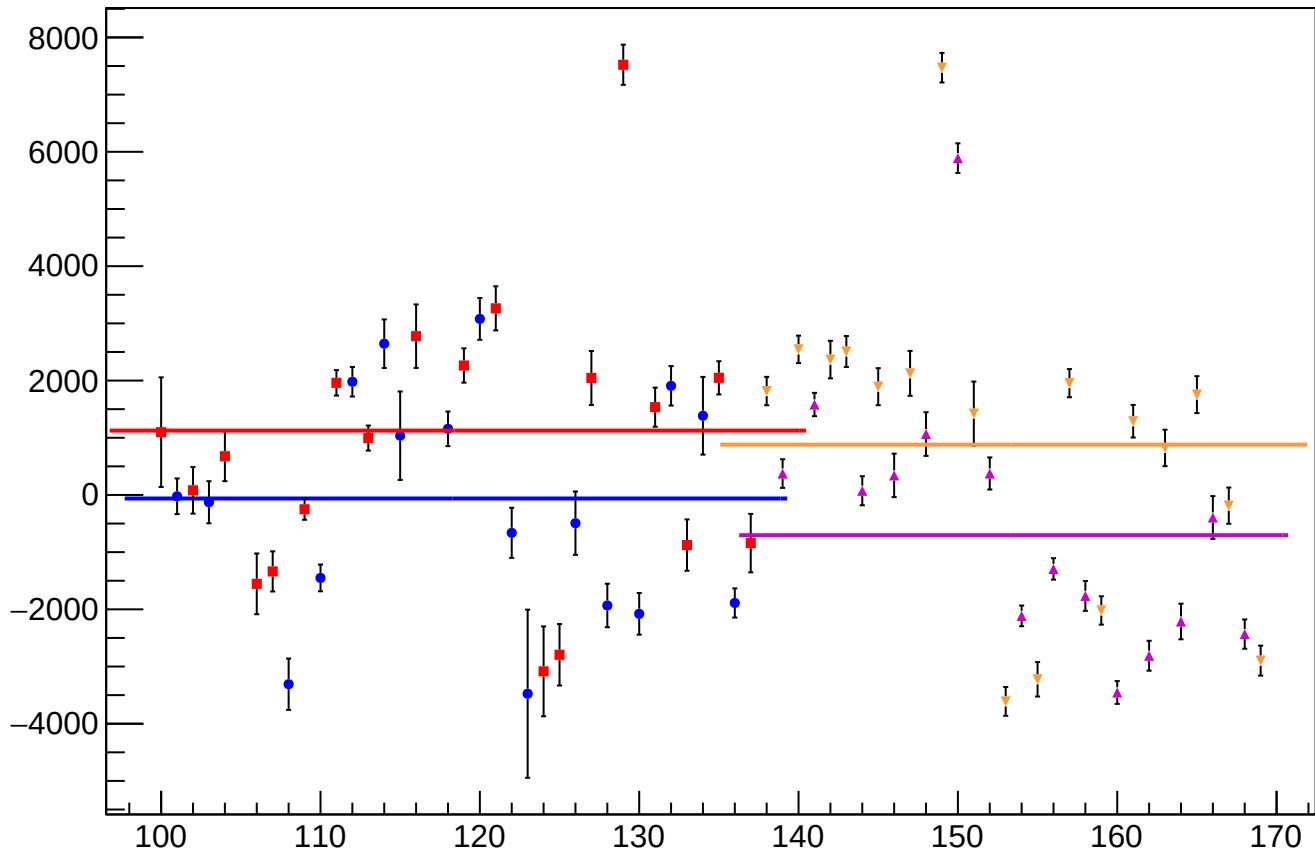
Left In: 358.492+/-0.075 χ^2/NDF : 290097.3/14

+ sign 1.552+/-0.001 χ^2/NDF : 35987881.3/33

All: 1.543+/-0.001 χ^2/NDF : 69650279.1/67

- sign 1.534+/-0.001 χ^2/NDF : 33662276.4/33

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 879.029 ± 69.561 χ^2/NDF : 1677.5/16

Right Out: 1125.437 ± 78.370 χ^2/NDF : 671.2/18

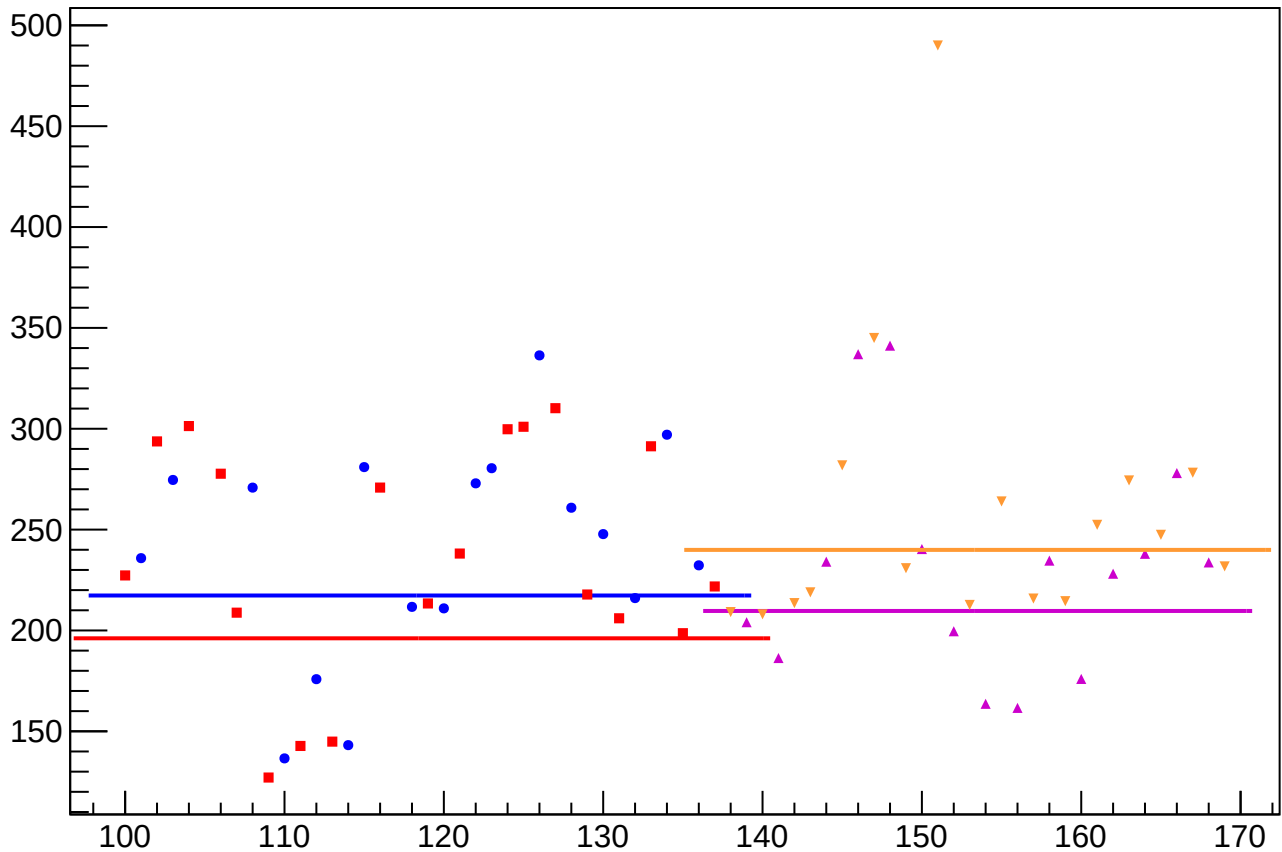
Left In: -703.969 ± 64.131 χ^2/NDF : 1255.6/14

+ sign 514.157 ± 54.433 χ^2/NDF : 2182.4/33

All: 249.650 ± 36.675 χ^2/NDF : 4478.8/67

- sign 29.748 ± 49.631 χ^2/NDF : 2253.1/33

asym_bcm0l02_rms vs Slug



Right In: 217.330+/-0.062 χ^2/NDF : 652722.5/16

Left Out: 239.942+/-0.049 χ^2/NDF : 804125.8/16

Right Out: 196.105+/-0.055 χ^2/NDF : 1190733.6/18

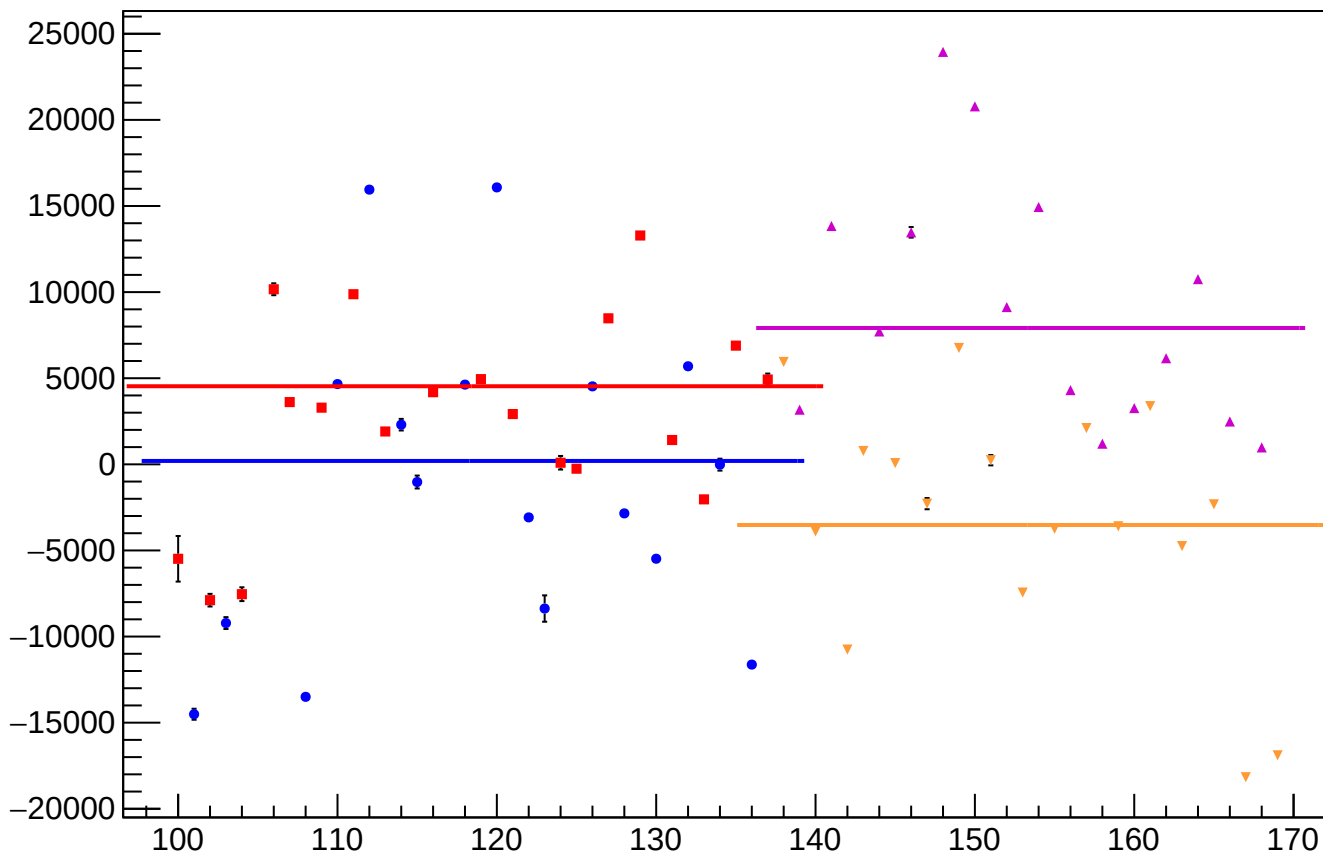
Left In: 209.665+/-0.045 χ^2/NDF : 985962.7/14

+ sign 231.176+/-0.038 χ^2/NDF : 1538779.1/33

All: 216.461+/-0.026 χ^2/NDF : 4019030.2/67

- sign 204.226+/-0.035 χ^2/NDF : 2212555.1/33

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2 /NDF: 30658.3/16

Left Out: -3522.852 $\pm$ 48.596 χ^2 /NDF:19801.7/16

Right Out: 4534.200 $\pm$ 52.462 χ^2 /NDF: 7477.2/18

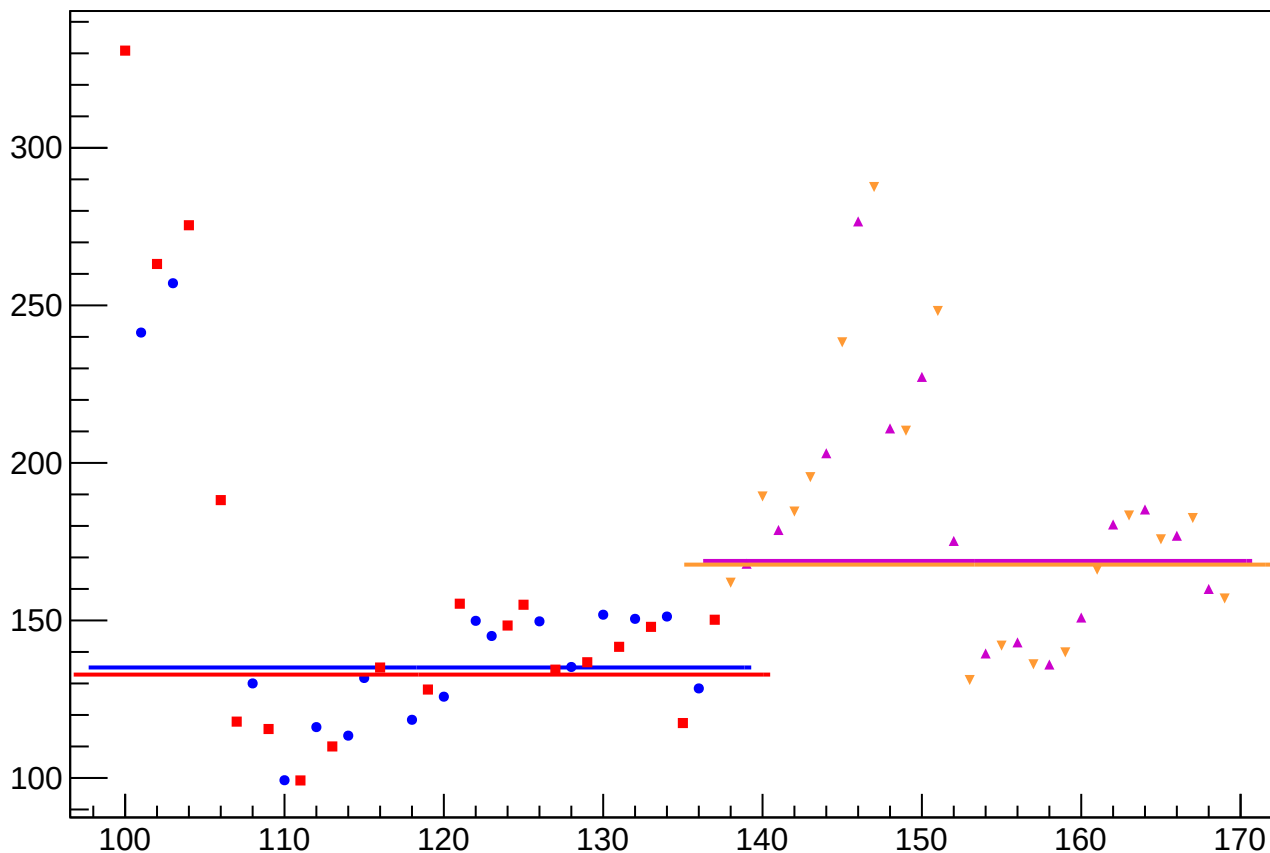
Left In: 7917.275 $\pm$ 51.177 χ^2 /NDF:16462.4/14

+ sign -1885.269 $\pm$ 36.359 χ^2 /NDF: 53039.4/33

All: 2160.522 $\pm$ 25.806 χ^2 /NDF: 104061.7/67

- sign 6267.672 $\pm$ 36.633 χ^2 /NDF: 26070.4/33

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 167.721 $\pm$ 0.034 χ^2 /NDF:1020776.9/16

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

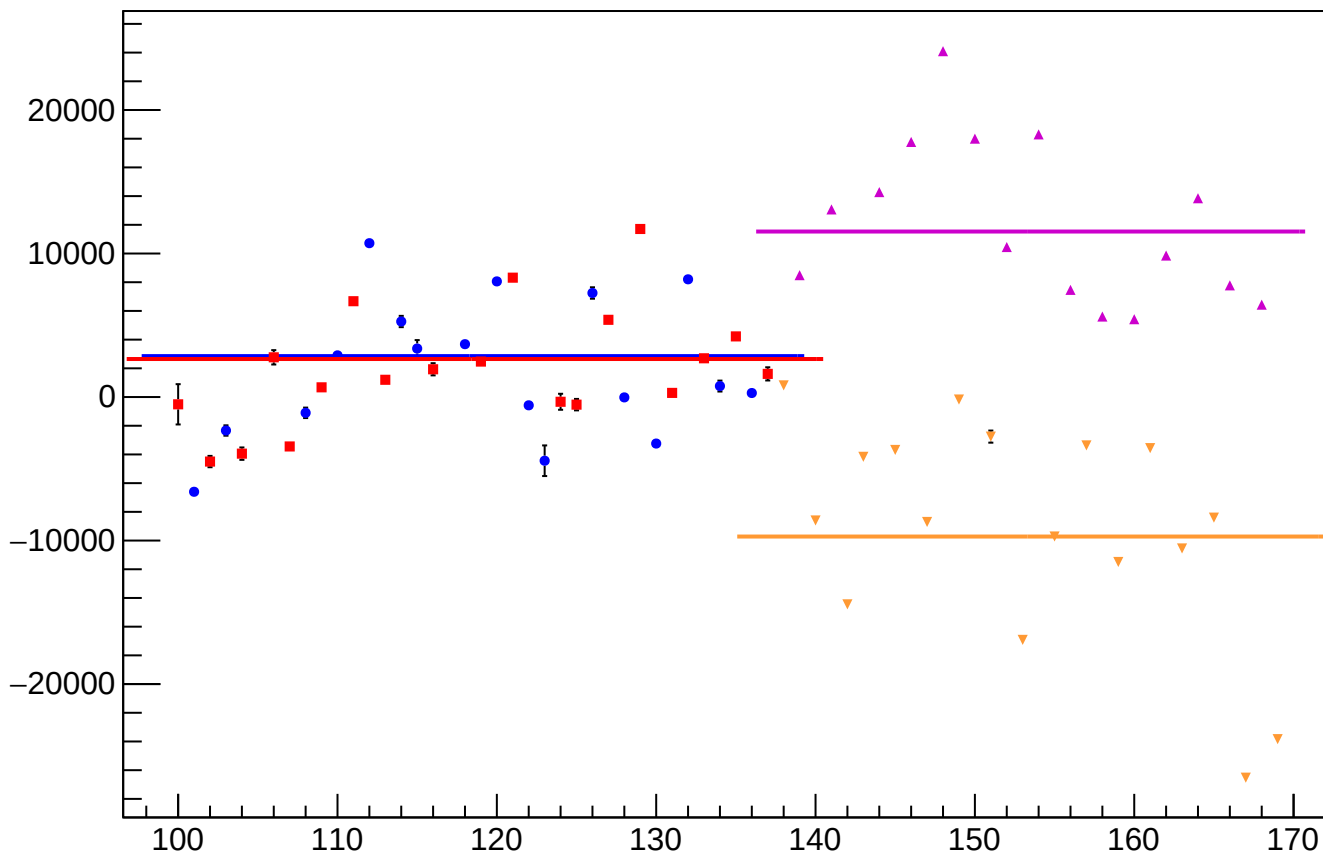
Left In: 168.885 $\pm$ 0.036 χ^2 /NDF:736712.3/14

+ sign 153.348 $\pm$ 0.026 χ^2 /NDF: 2076892.5/33

All: 152.331 $\pm$ 0.018 χ^2 /NDF: 4132366.3/67

- sign 151.298 $\pm$ 0.026 χ^2 /NDF: 2052318.7/33

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -9720.201+/-55.084 χ^2/NDF :20854.8/16

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

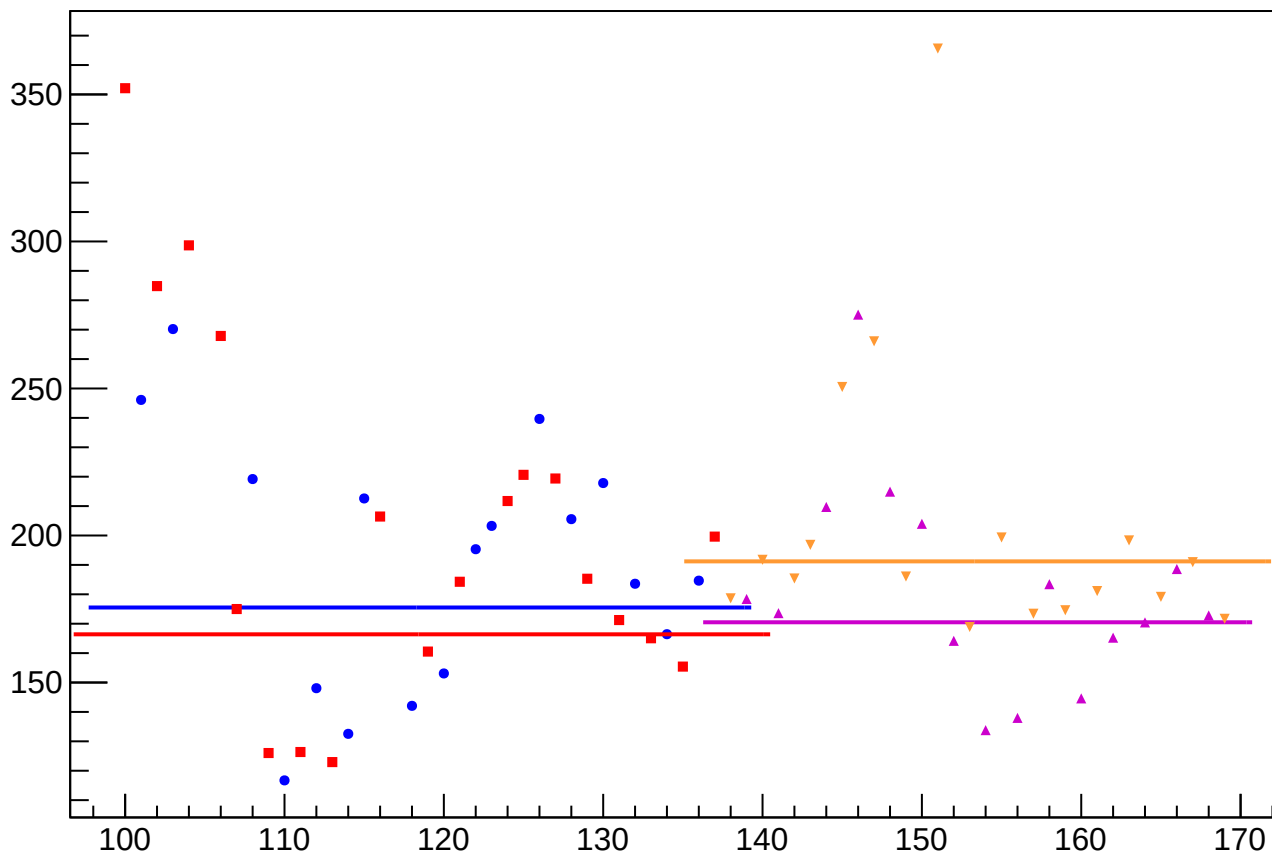
Left In: 11532.072+/-51.711 χ^2/NDF :10481.7/14

+ sign -4975.923+/-43.465 χ^2/NDF : 44689.7/33

All: 2019.689+/-29.686 χ^2/NDF : 118182.1/67

- sign 8136.112+/-40.642 χ^2/NDF : 24938.5/33

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 191.200+/-0.039 χ^2/NDF : 650099.6/16

Right Out: 166.393+/-0.046 χ^2/NDF : 929534.5/18

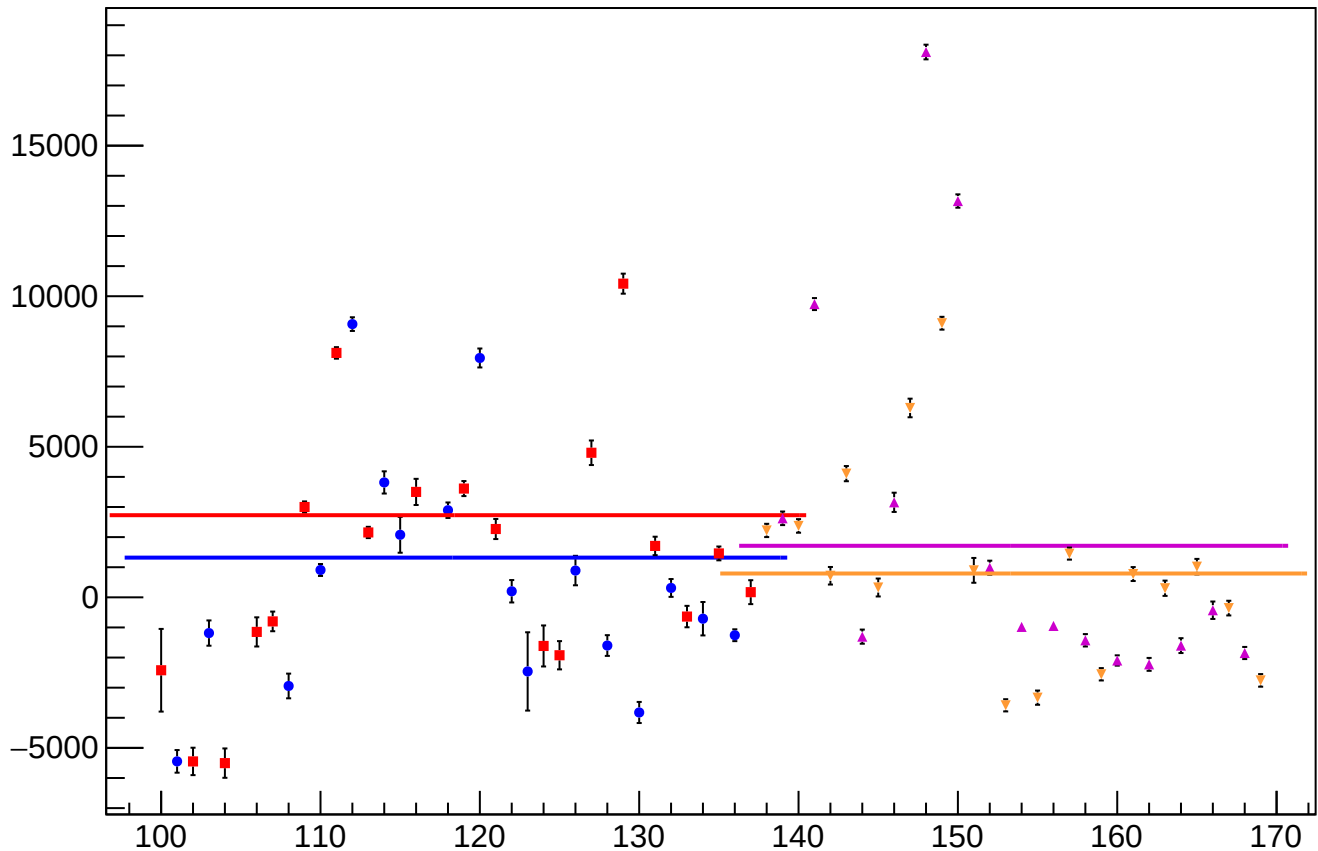
Left In: 170.488+/-0.037 χ^2/NDF : 686618.1/14

+ sign 185.281+/-0.031 χ^2/NDF : 1400945.6/33

All: 176.553+/-0.021 χ^2/NDF : 3173039.5/67

- sign 168.922+/-0.029 χ^2/NDF : 1620946.6/33

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 $\pm$ 77.146 χ^2 /NDF: 2667.0/16

Left Out: 791.421 $\pm$ 58.011 χ^2 /NDF:3465.2/16

Right Out: 2727.798 $\pm$ 70.029 χ^2 /NDF: 2495.9/18

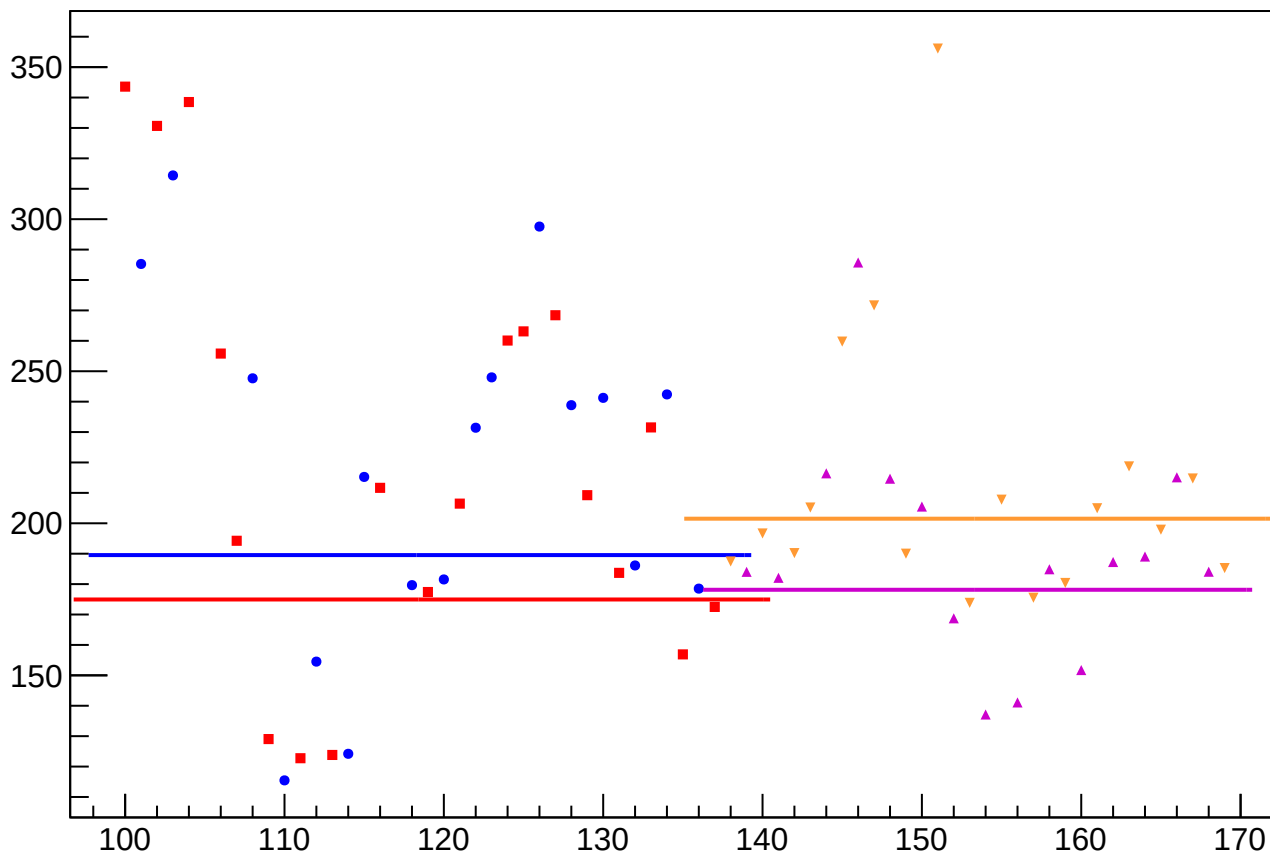
Left In: 1711.785 $\pm$ 54.082 χ^2 /NDF:11211.4/14

+ sign 981.990 $\pm$ 46.365 χ^2 /NDF: 6162.1/33

All: 1580.914 $\pm$ 31.450 χ^2 /NDF: 20310.3/67

- sign 2091.361 $\pm$ 42.804 χ^2 /NDF: 13839.1/33

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 201.512 $\pm$ 0.041 χ^2 /NDF: 600944.7/16

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

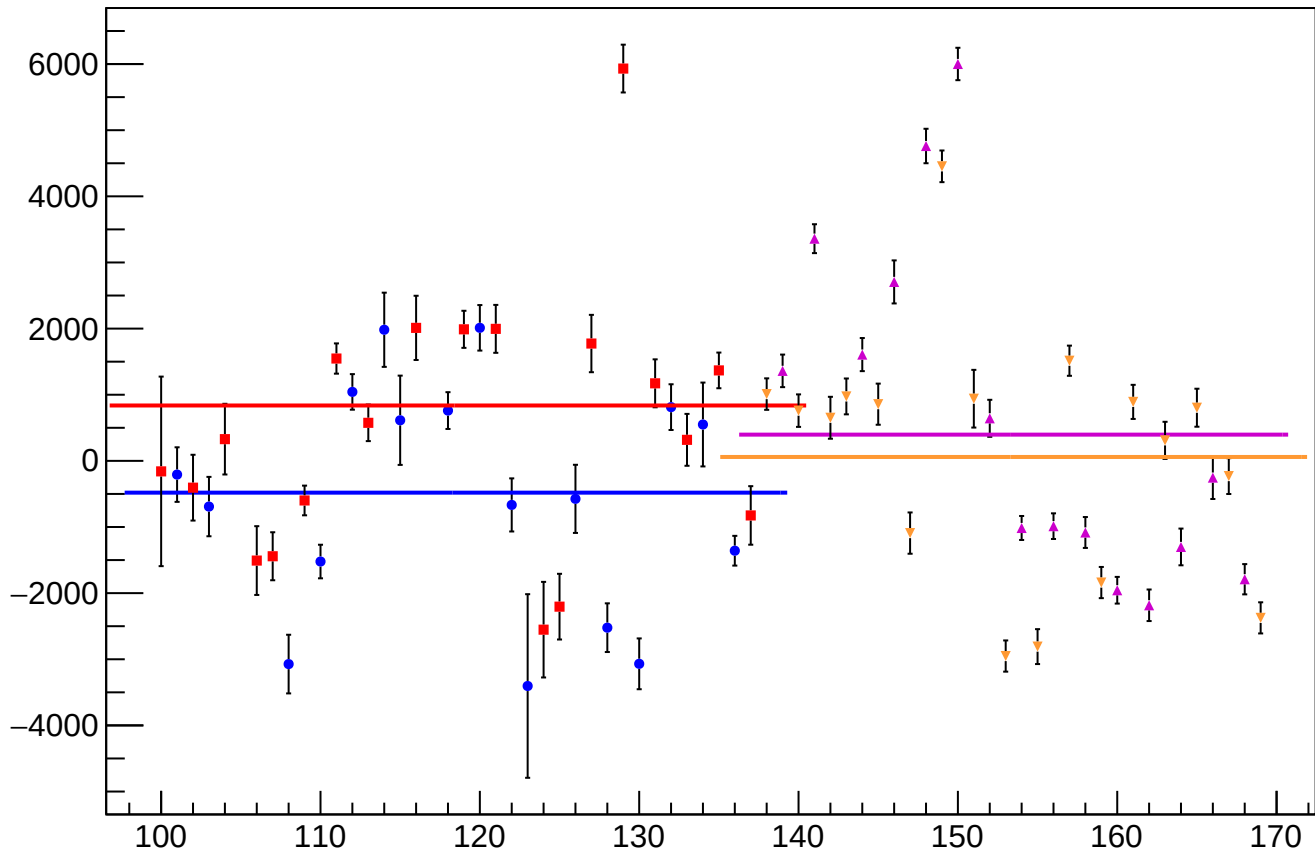
Left In: 178.137 $\pm$ 0.038 χ^2 /NDF: 702448.8/14

+ sign 197.189 $\pm$ 0.033 χ^2 /NDF: 1612432.8/33

All: 186.259 $\pm$ 0.022 χ^2 /NDF: 3820460.1/67

- sign 176.944 $\pm$ 0.030 χ^2 /NDF: 2002160.2/33

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 59.010+/-64.268 χ^2/NDF : 912.7/16

Right Out: 837.442+/-82.243 χ^2/NDF : 435.3/18

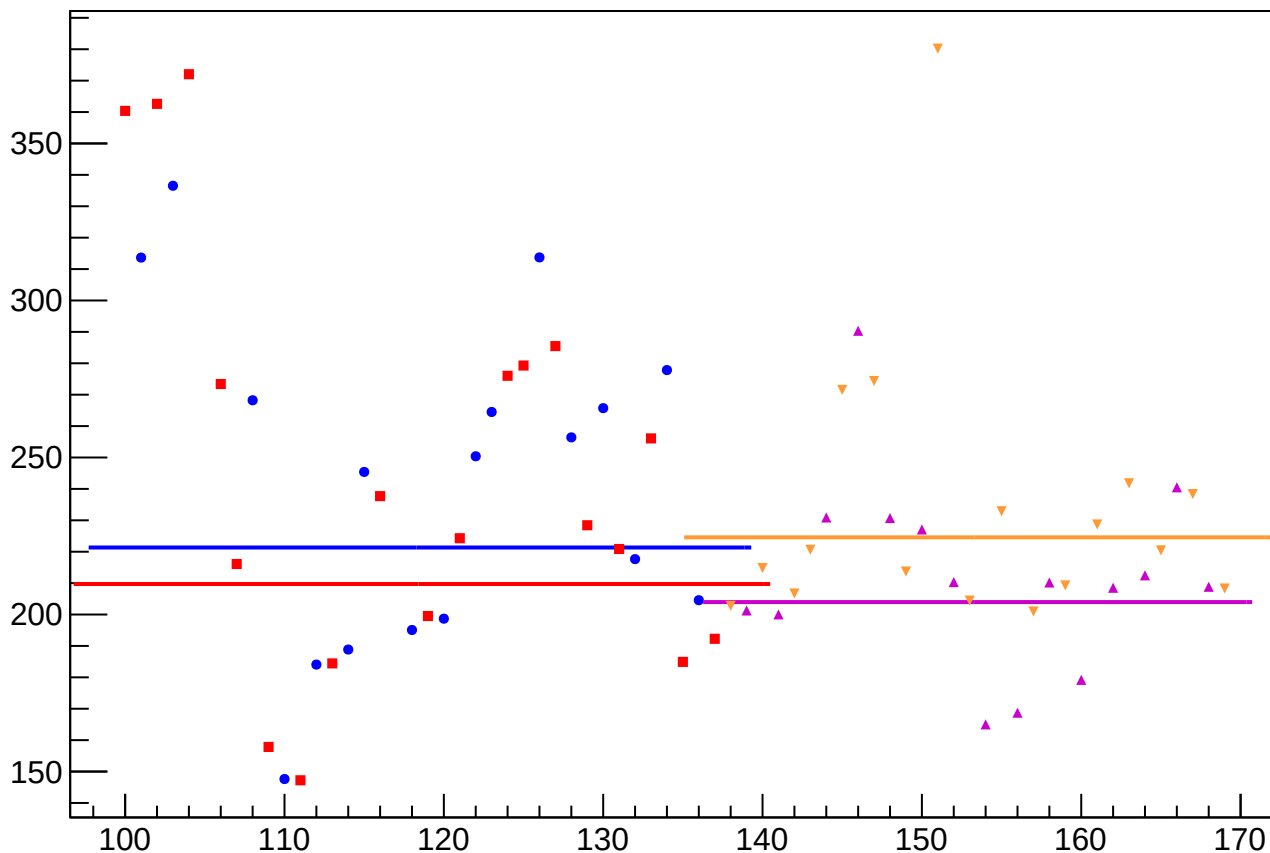
Left In: 396.715+/-61.304 χ^2/NDF : 1615.2/14

+ sign -126.909+/-52.031 χ^2/NDF : 1227.6/33

All: 232.975+/-35.730 χ^2/NDF : 3387.1/67

- sign 554.130+/-49.152 χ^2/NDF : 2068.9/33

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 224.576 $\pm$ 0.045 χ^2 /NDF: 451291.9/16

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

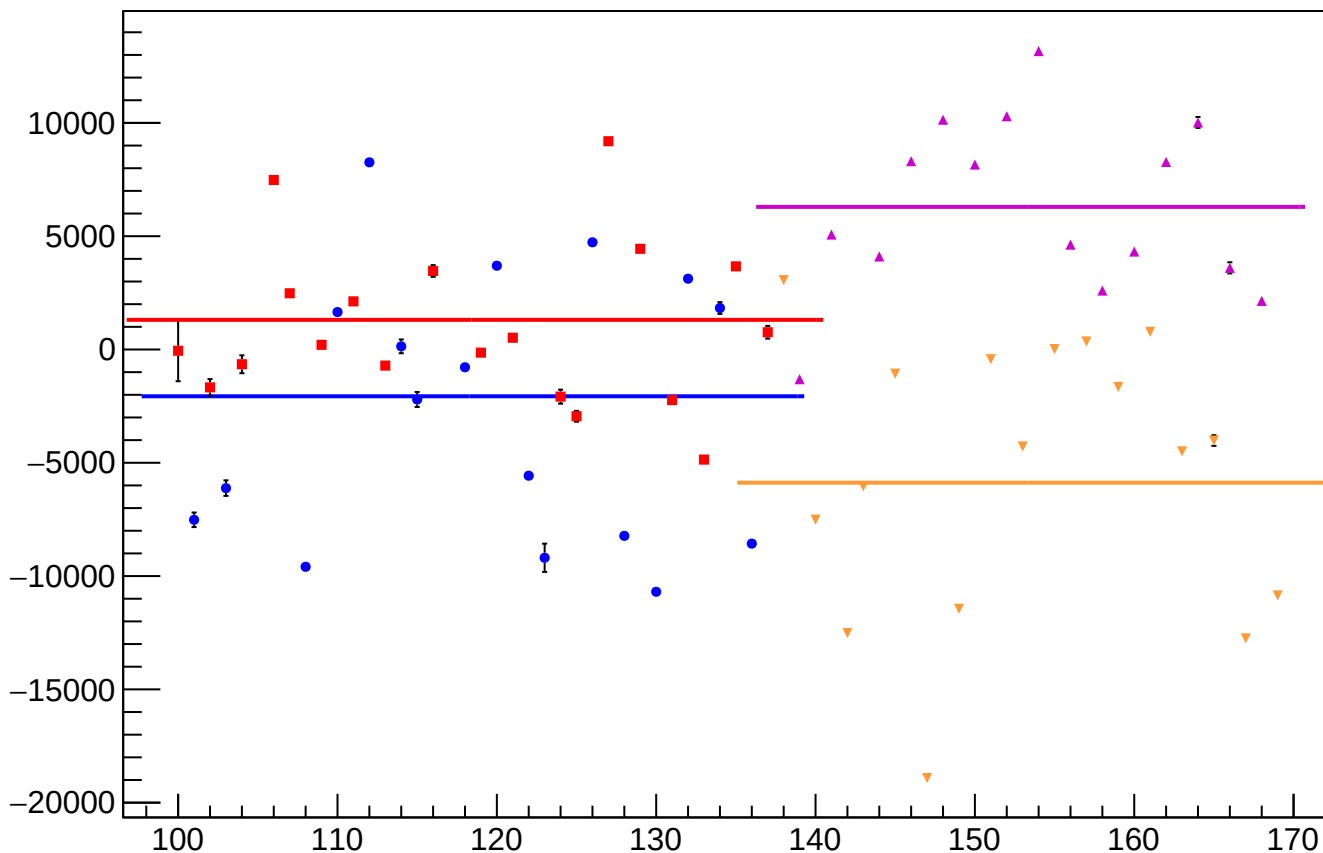
Left In: 203.967 $\pm$ 0.043 χ^2 /NDF: 423622.4/14

+ sign 223.462 $\pm$ 0.037 χ^2 /NDF: 1098724.4/33

All: 214.245 $\pm$ 0.025 χ^2 /NDF: 2531296.0/67

- sign 206.021 $\pm$ 0.035 χ^2 /NDF: 1313822.9/33

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -5878.738 ± 36.689 $\chi^2/\text{NDF}: 30027.5/16$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

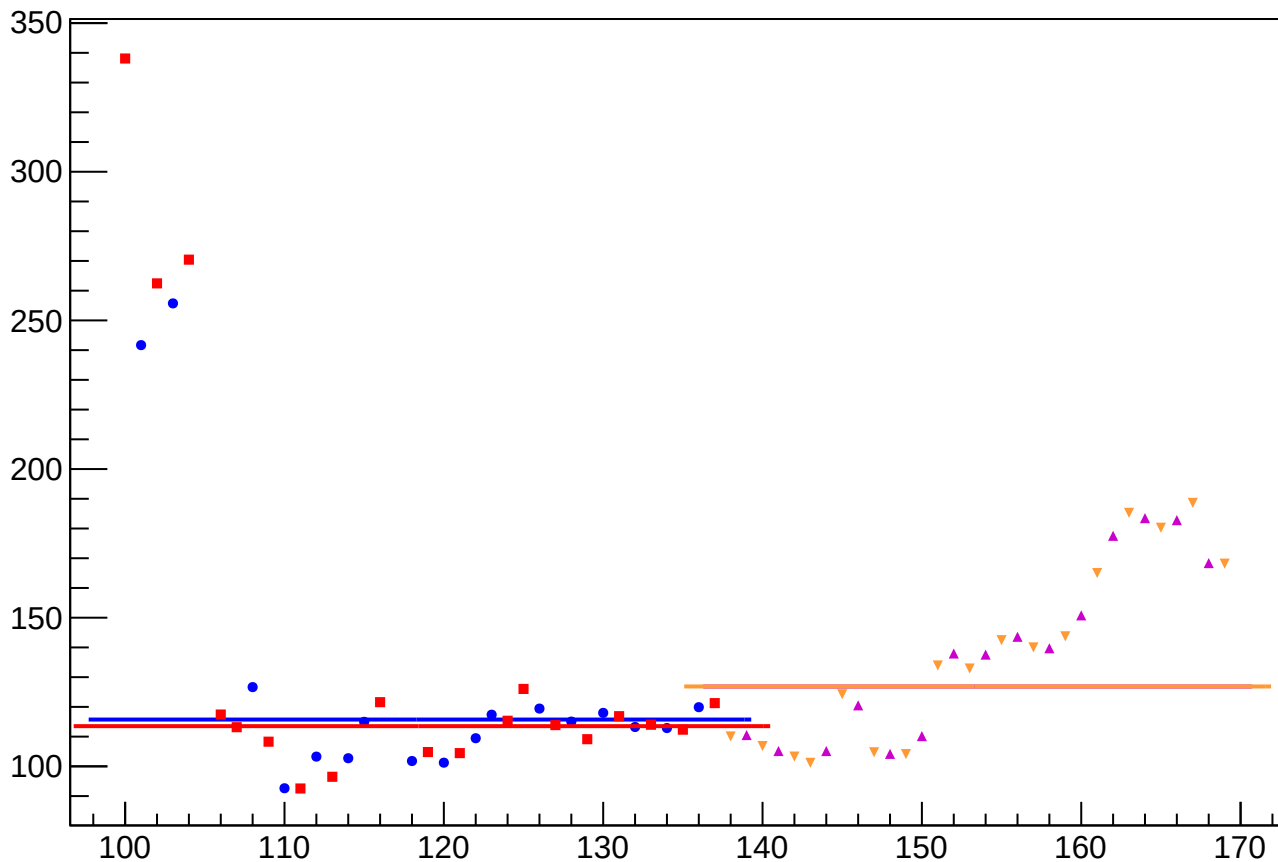
Left In: 6293.907 ± 38.085 $\chi^2/\text{NDF}: 9629.0/14$

+ sign -4447.029 ± 28.995 $\chi^2/\text{NDF}: 50617.0/33$

All: -128.160 ± 20.529 $\chi^2/\text{NDF}: 117781.1/67$

- sign 4213.362 ± 29.071 $\chi^2/\text{NDF}: 22674.5/33$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 126.871+/-0.026 χ^2/NDF : 1015591.8/16

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

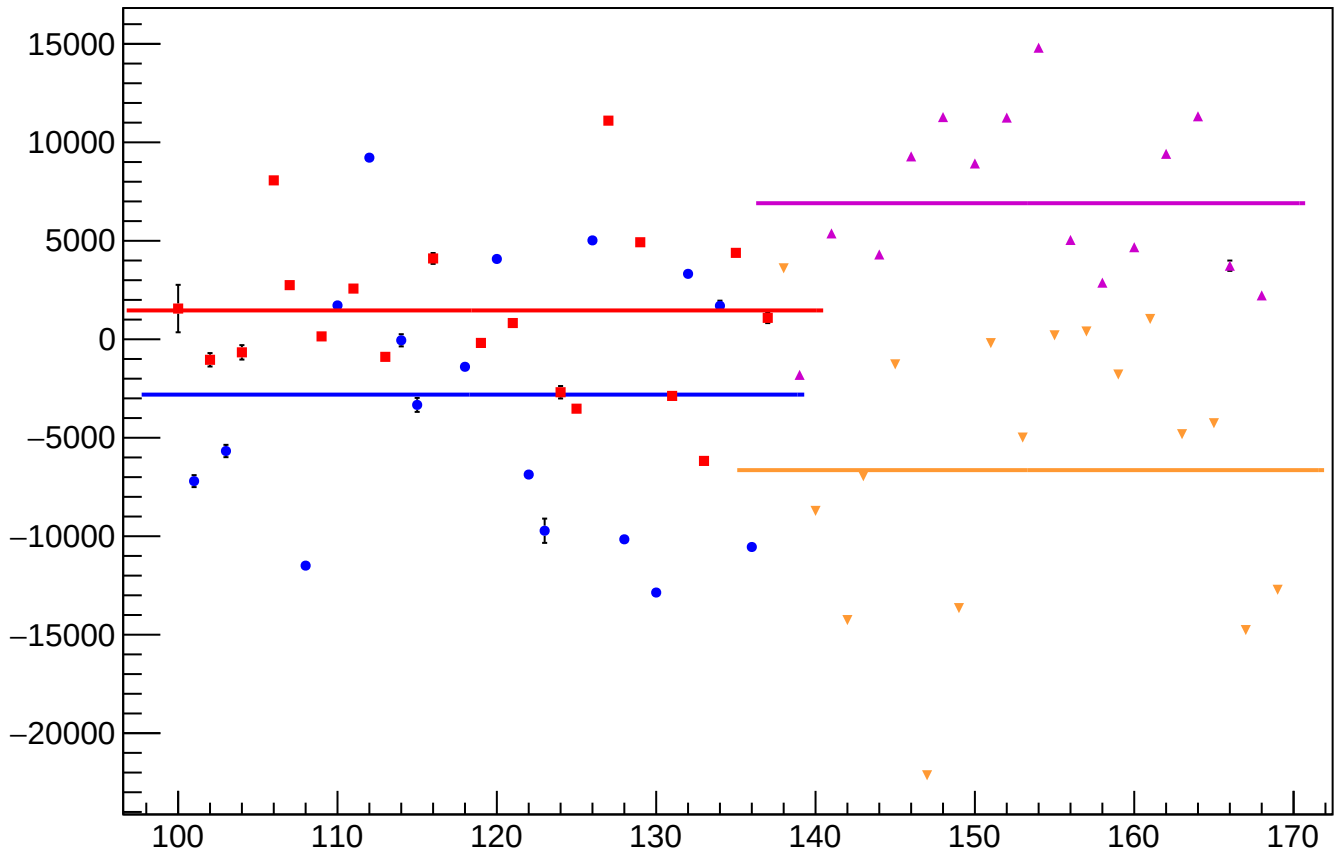
Left In: 126.842+/-0.027 χ^2/NDF : 823833.5/14

+ sign 122.693+/-0.021 χ^2/NDF : 1828721.0/33

All: 121.989+/-0.015 χ^2/NDF : 3553701.5/67

- sign 121.282+/-0.021 χ^2/NDF : 1722620.0/33

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 $\chi^2/\text{NDF}: 21263.1/16$

Left Out: -6644.032 ± 38.951 $\chi^2/\text{NDF}: 36370.7/16$

Right Out: 1465.074 ± 46.394 $\chi^2/\text{NDF}: 8004.7/18$

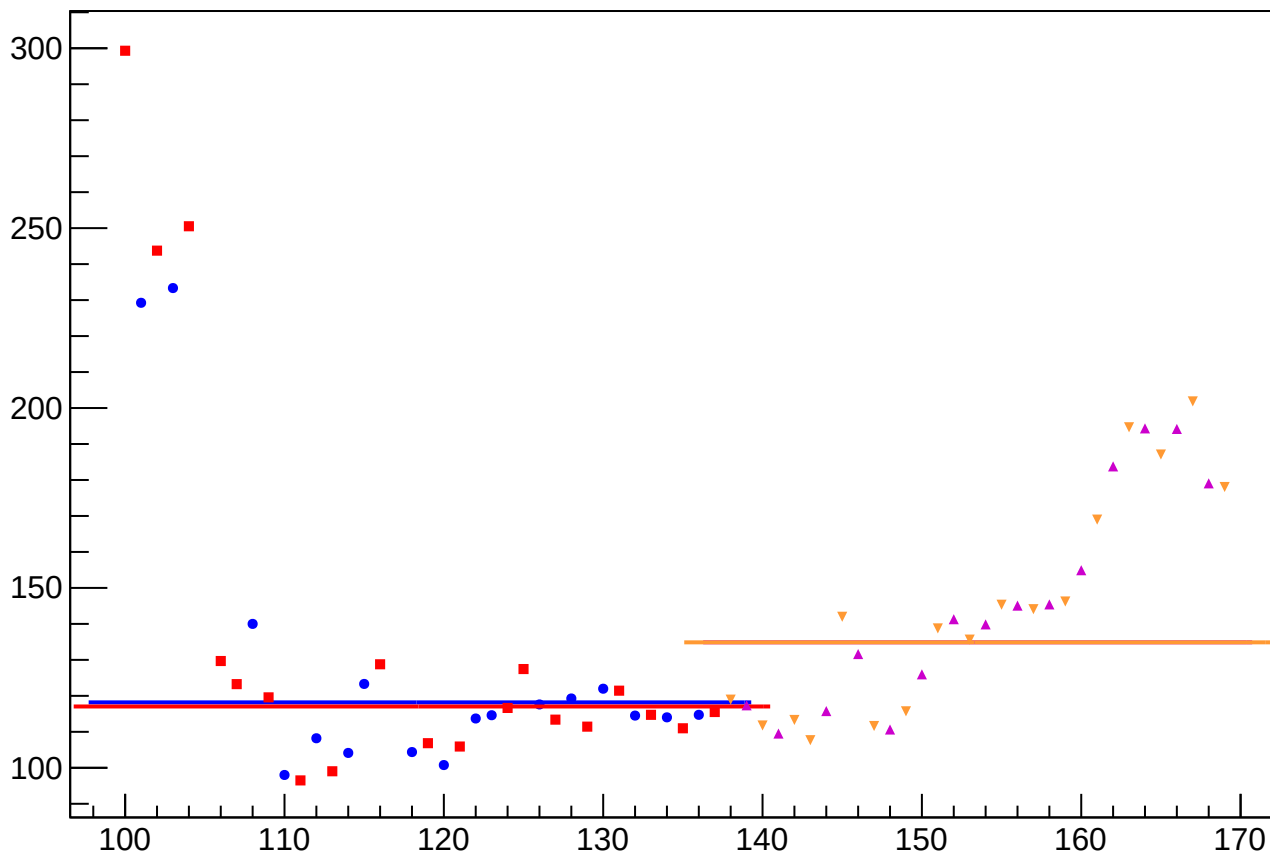
Left In: 6909.366 ± 40.446 $\chi^2/\text{NDF}: 11349.4/14$

+ sign -5132.207 ± 30.317 $\chi^2/\text{NDF}: 61455.1/33$

All: -314.105 ± 21.497 $\chi^2/\text{NDF}: 139434.0/67$

- sign 4558.405 ± 30.487 $\chi^2/\text{NDF}: 27178.3/33$

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 134.872 $\pm$ 0.028 χ^2 /NDF: 897615.7/16

Right Out: 117.046 $\pm$ 0.033 χ^2 /NDF: 690635.5/18

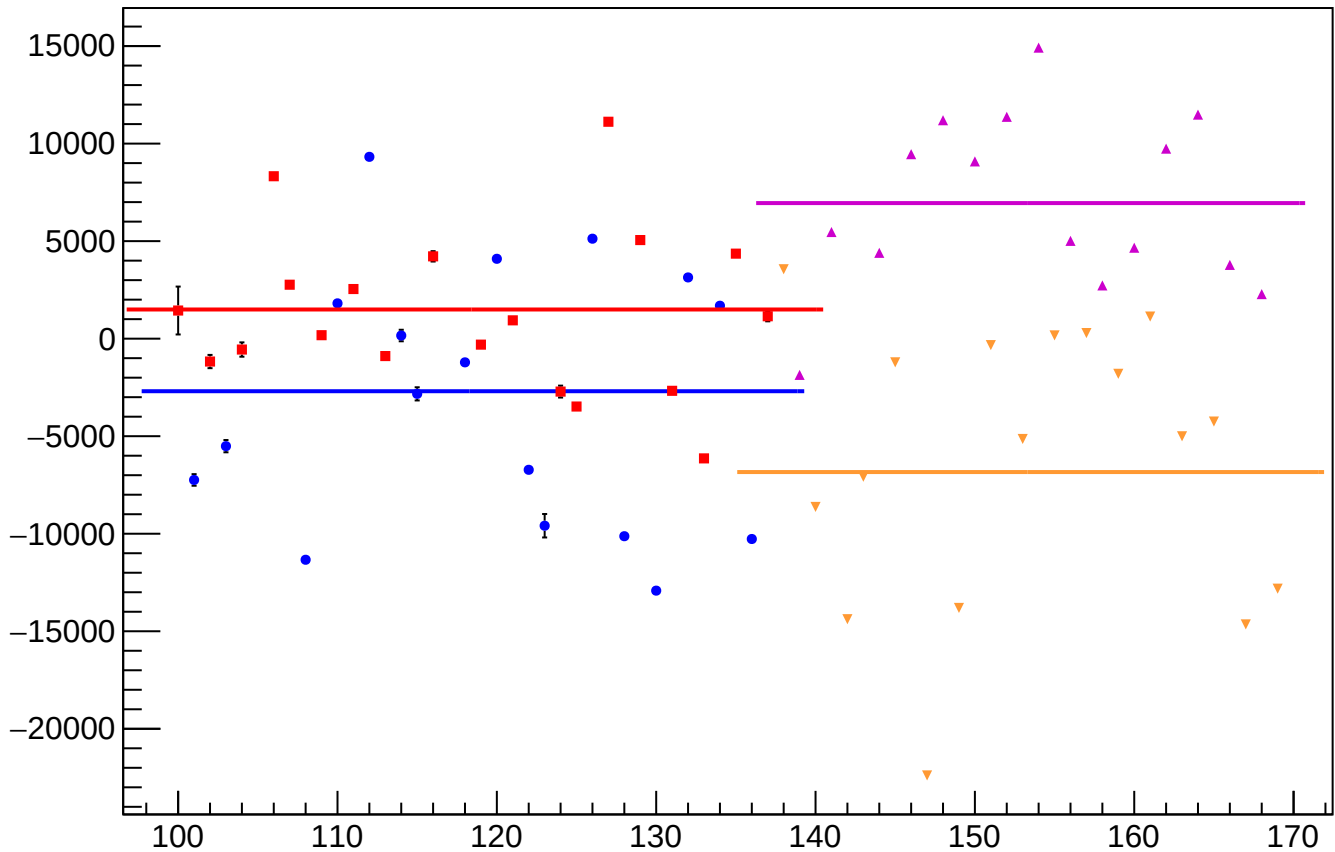
Left In: 134.883 $\pm$ 0.029 χ^2 /NDF: 717040.9/14

+ sign 128.295 $\pm$ 0.021 χ^2 /NDF: 1678519.2/33

All: 127.741 $\pm$ 0.015 χ^2 /NDF: 3255521.2/67

- sign 127.181 $\pm$ 0.022 χ^2 /NDF: 1575658.5/33

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260+/-46.347 χ^2/NDF : 22860.3/16

Left Out: -6838.116+/-38.025 χ^2/NDF : 39495.4/16

Right Out: 1495.744+/-44.445 χ^2/NDF : 8717.2/18

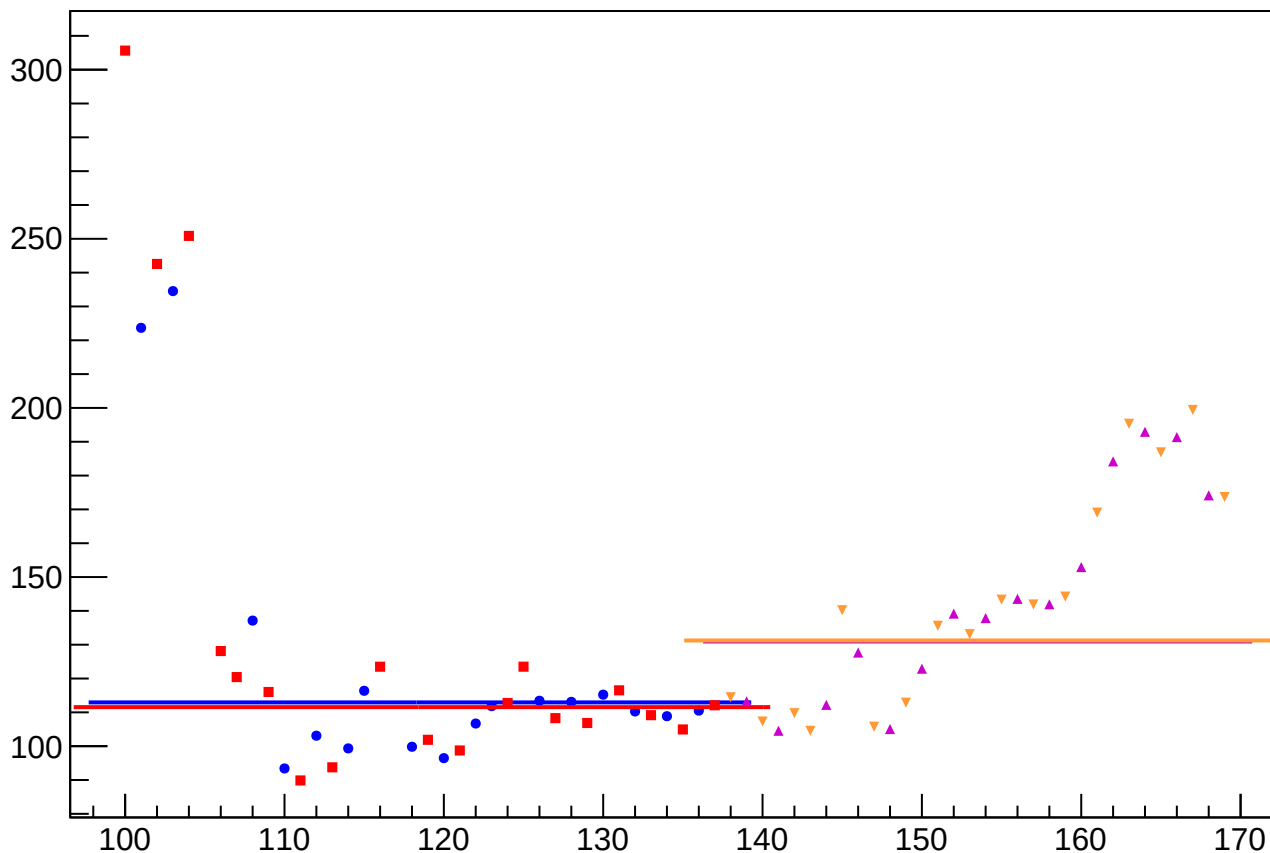
Left In: 6950.544+/-39.389 χ^2/NDF : 12210.8/14

+ sign -5170.983+/-29.397 χ^2/NDF : 67133.6/33

All: -323.436+/-20.816 χ^2/NDF : 151031.5/67

- sign 4550.913+/-29.478 χ^2/NDF : 29364.7/33

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 131.252 $\pm$ 0.027 χ^2 /NDF:1006651.1/16

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

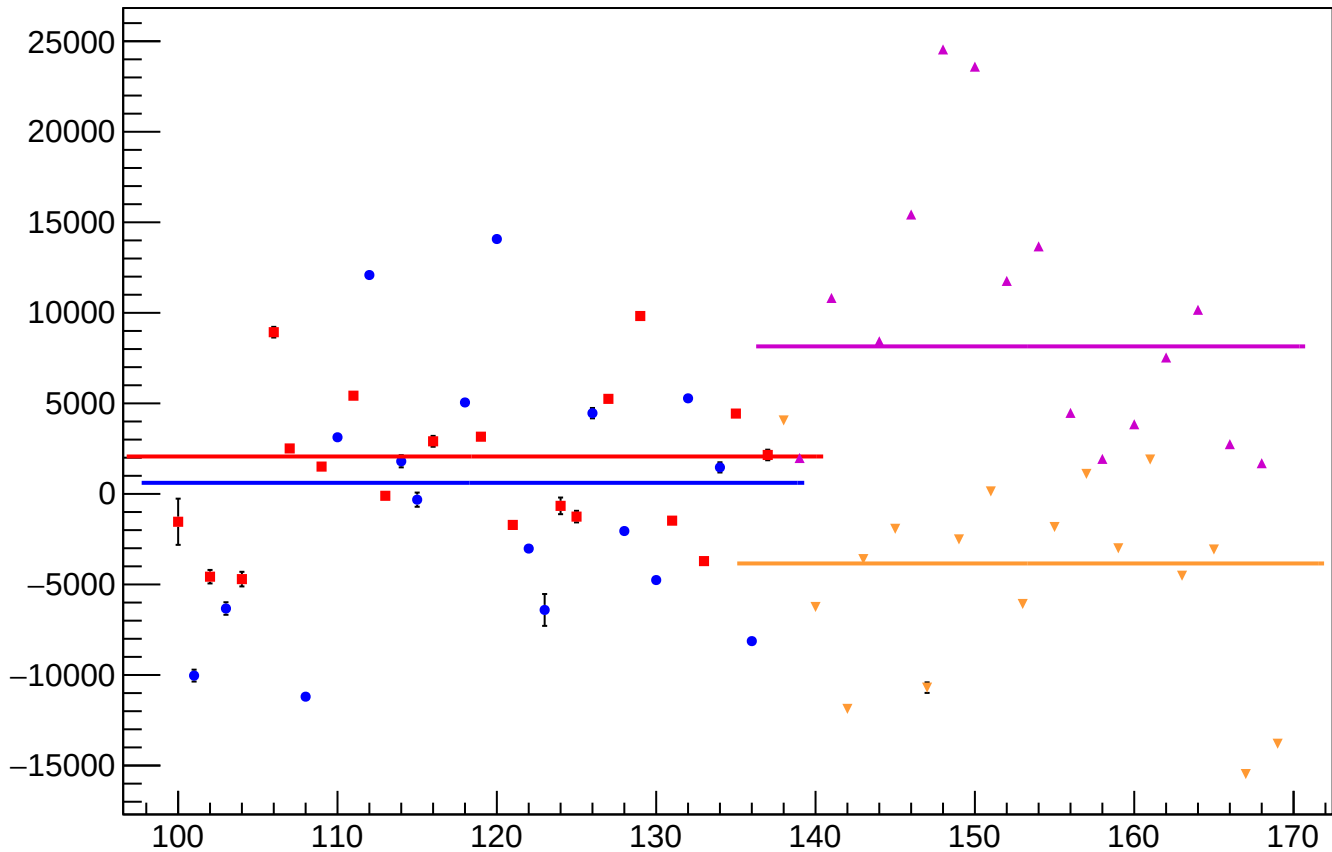
Left In: 130.950 $\pm$ 0.028 χ^2 /NDF:810049.6/14

+ sign 123.885 $\pm$ 0.021 χ^2 /NDF: 1873536.2/33

All: 123.151 $\pm$ 0.015 χ^2 /NDF: 3665157.2/67

- sign 122.413 $\pm$ 0.021 χ^2 /NDF: 1789119.7/33

asym_bpm0i01WS_mean vs Slug



Right In: 612.621+/-56.062 χ^2/NDF : 18243.4/16

Left Out: -3840.696+/-44.898 χ^2/NDF : 13559.8/16

Right Out: 2067.410+/-53.931 χ^2/NDF : 4642.7/18

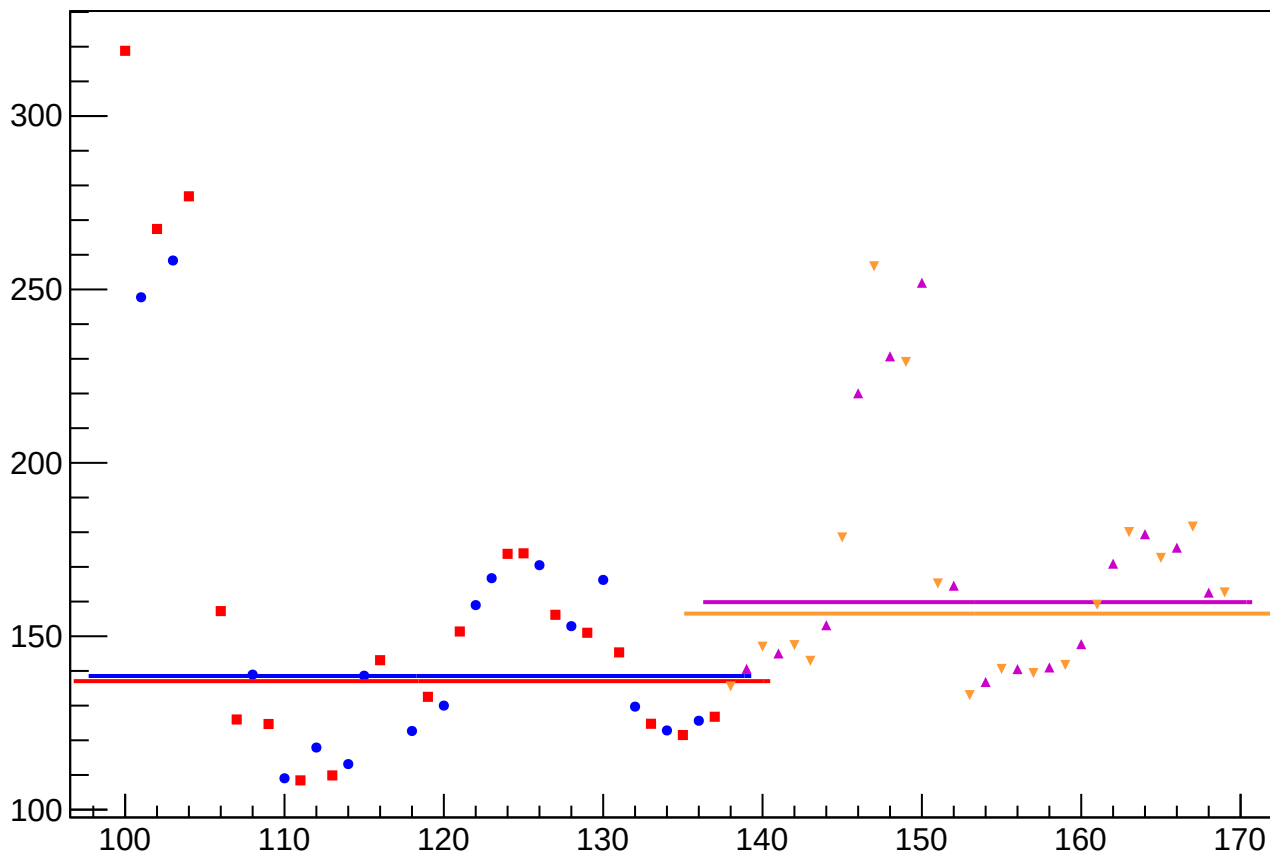
Left In: 8147.619+/-47.894 χ^2/NDF : 15998.5/14

+ sign -2100.507+/-35.045 χ^2/NDF : 35647.5/33

All: 1601.290+/-25.047 χ^2/NDF : 86203.9/67

- sign 5466.733+/-35.811 χ^2/NDF : 27747.4/33

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 156.531 $\pm$ 0.032 χ^2 /NDF: 658981.2/16

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

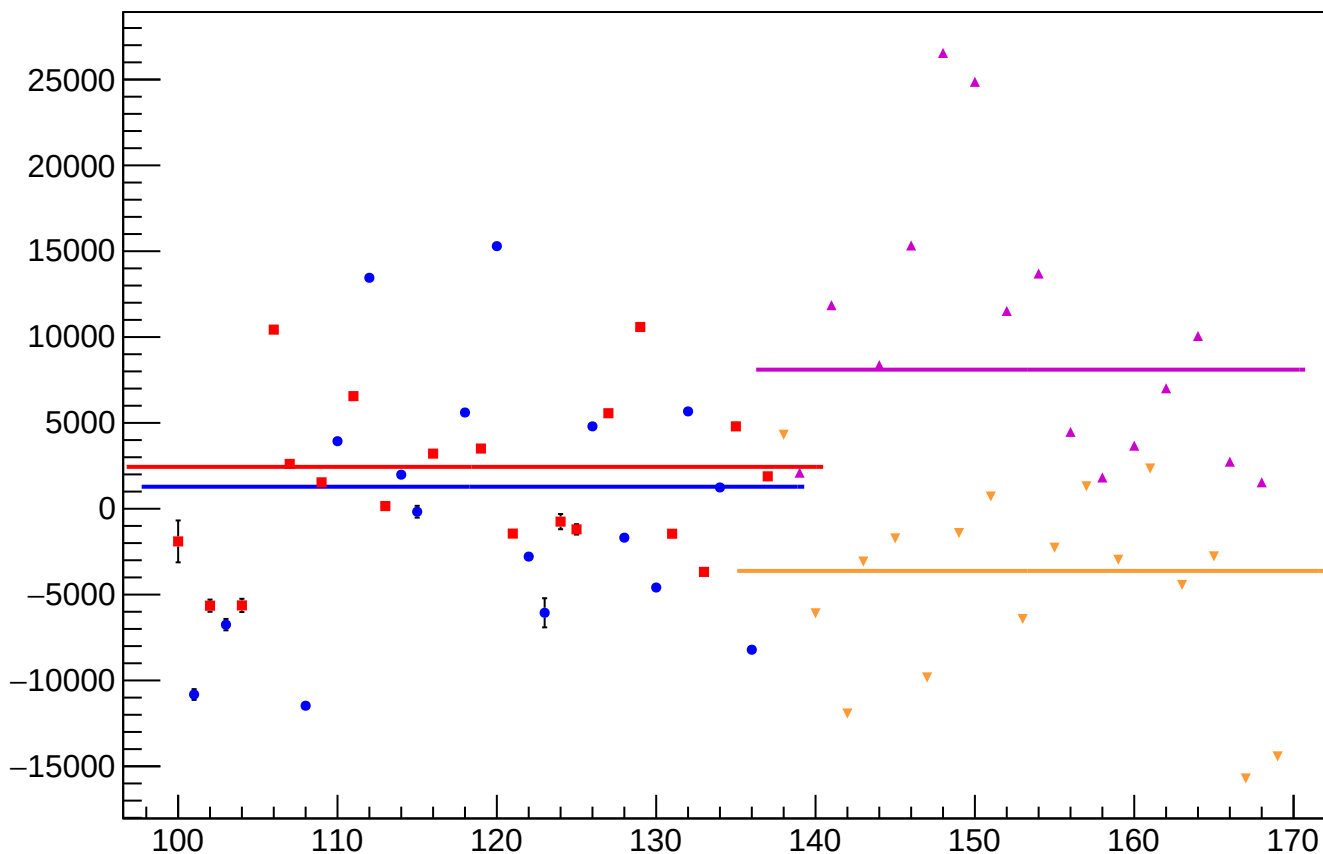
Left In: 159.835 $\pm$ 0.034 χ^2 /NDF: 690011.2/14

+ sign 149.501 $\pm$ 0.025 χ^2 /NDF: 1453383.7/33

All: 149.644 $\pm$ 0.018 χ^2 /NDF: 3098352.1/67

- sign 149.793 $\pm$ 0.025 χ^2 /NDF: 1644900.6/33

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -3620.103+/-40.116 χ^2/NDF :17844.0/16

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

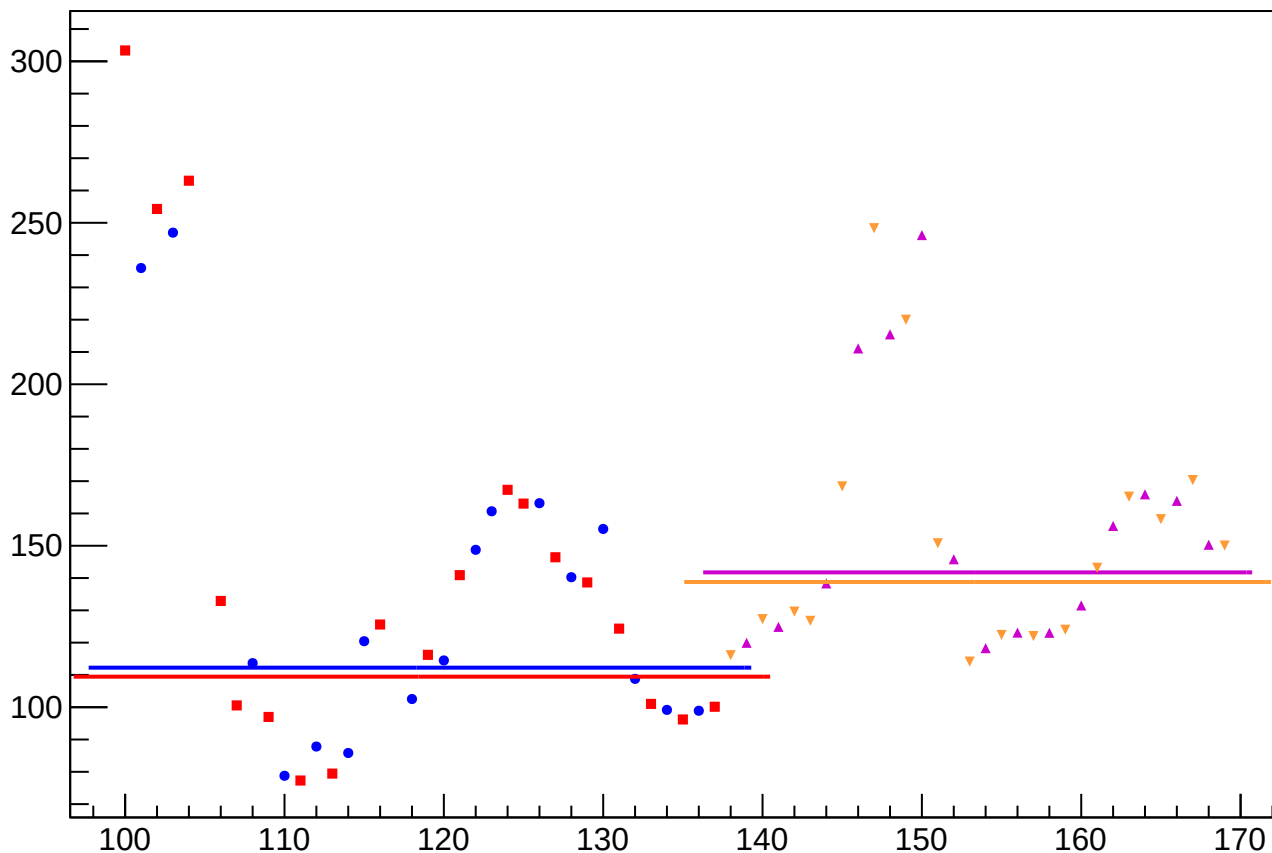
Left In: 8102.089+/-42.870 χ^2/NDF :21097.3/14

+ sign -1531.707+/-30.395 χ^2/NDF : 54747.6/33

All: 1869.806+/-21.635 χ^2/NDF : 117346.5/67

- sign 5363.119+/-30.802 χ^2/NDF : 37212.7/33

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 138.783+/-0.028 χ^2/NDF : 931616.9/16

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

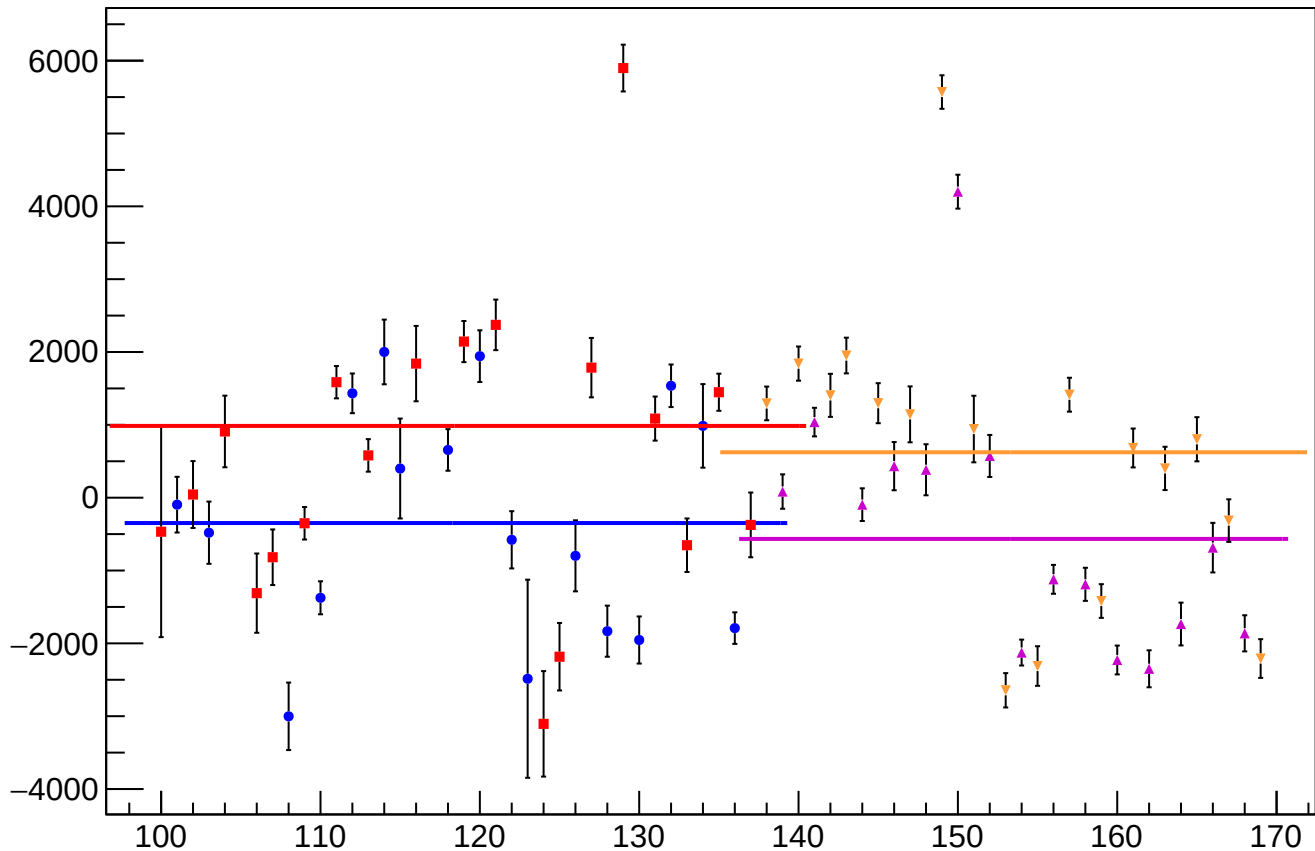
Left In: 141.754+/-0.030 χ^2/NDF : 948915.1/14

+ sign 127.482+/-0.021 χ^2/NDF : 2429783.3/33

All: 126.816+/-0.015 χ^2/NDF : 5199287.6/67

- sign 126.131+/-0.022 χ^2/NDF : 2767556.6/33

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 623.708 ± 64.632 χ^2/NDF : 1064.3/16

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

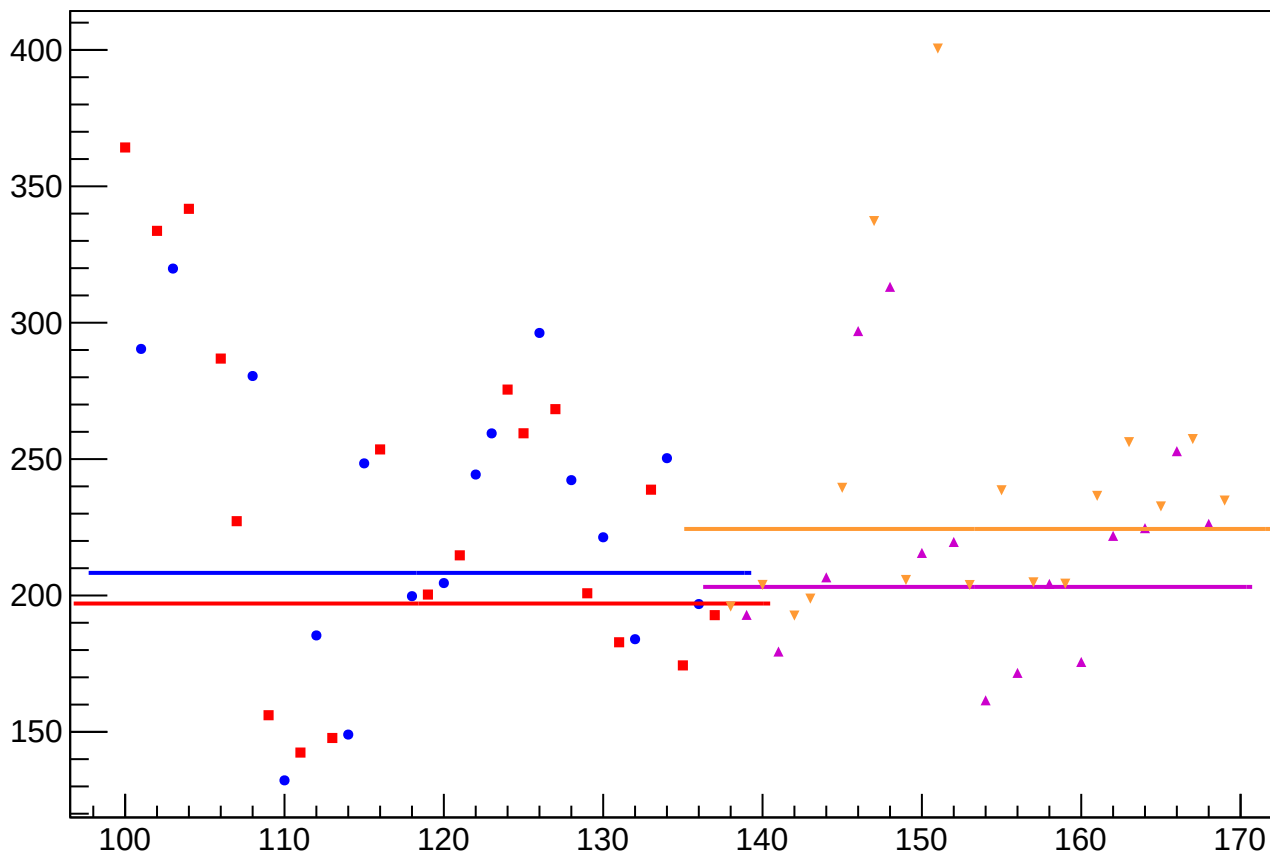
Left In: -565.943 ± 61.389 χ^2/NDF : 786.2/14

+ sign 261.401 ± 51.185 χ^2/NDF : 1465.9/33

All: 138.871 ± 35.077 χ^2/NDF : 2984.8/67

- sign 30.371 ± 48.165 χ^2/NDF : 1508.2/33

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 $\pm$ 0.059 χ^2 /NDF: 698491.0/16

Left Out: 224.395 $\pm$ 0.046 χ^2 /NDF: 686472.9/16

Right Out: 197.051 $\pm$ 0.055 χ^2 /NDF: 926786.6/18

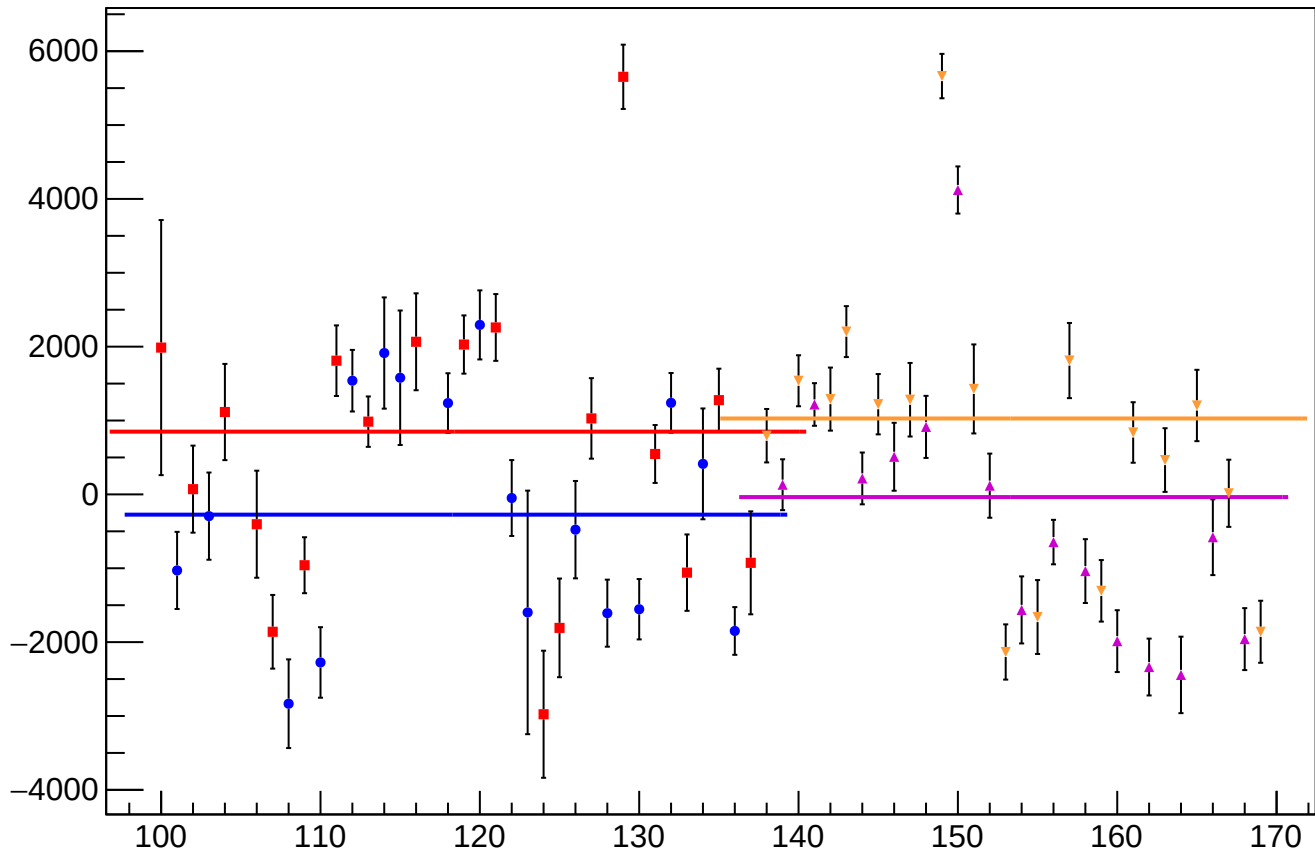
Left In: 203.147 $\pm$ 0.043 χ^2 /NDF: 683484.1/14

+ sign 218.389 $\pm$ 0.036 χ^2 /NDF: 1431275.5/33

All: 209.063 $\pm$ 0.025 χ^2 /NDF: 3174339.3/67

- sign 200.804 $\pm$ 0.034 χ^2 /NDF: 1617852.5/33

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 $\chi^2/\text{NDF}: 171.6/16$

Left Out: 1027.743 ± 99.645 $\chi^2/\text{NDF}: 441.9/16$

Right Out: 849.413 ± 115.349 $\chi^2/\text{NDF}: 263.3/18$

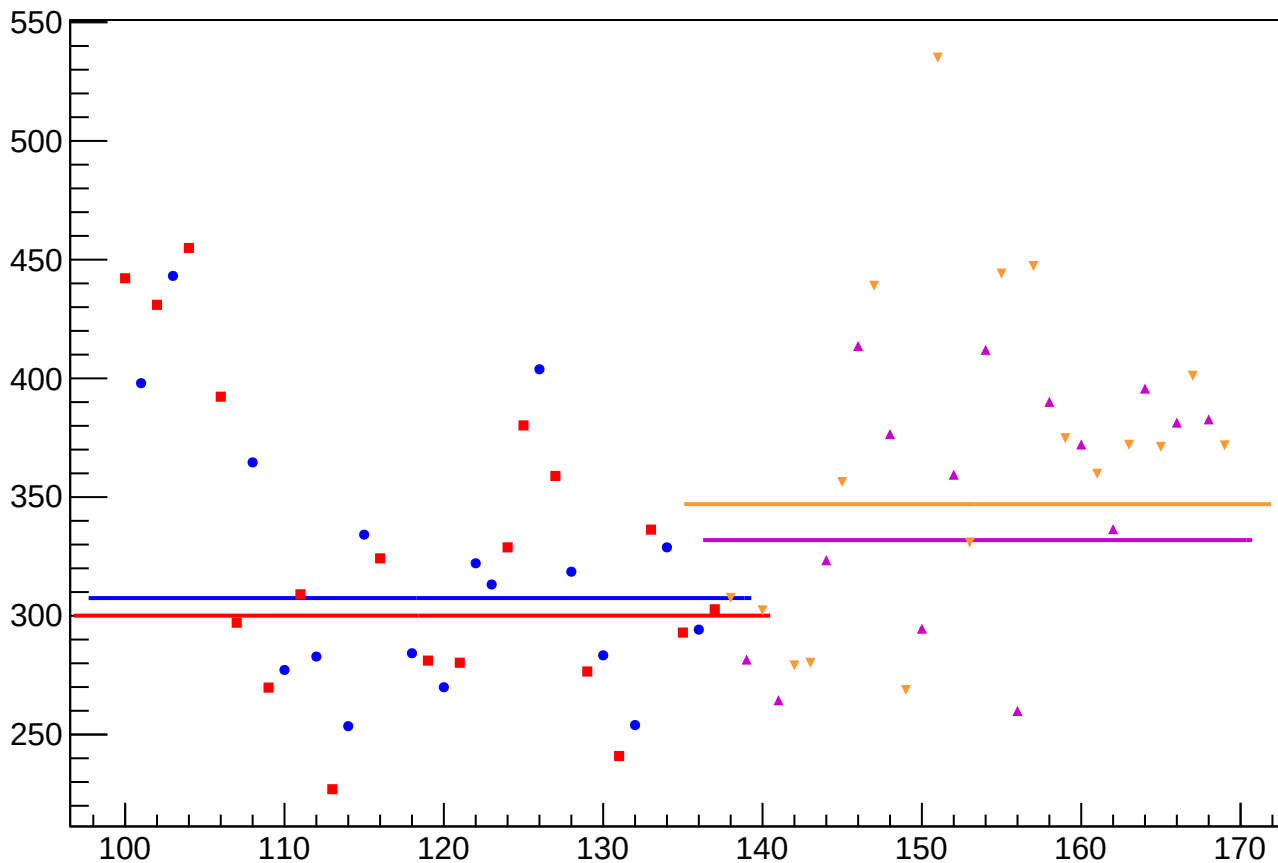
Left In: -36.366 ± 99.494 $\chi^2/\text{NDF}: 318.1/14$

+ sign 503.273 ± 77.003 $\chi^2/\text{NDF}: 682.3/33$

All: 420.624 ± 53.852 $\chi^2/\text{NDF}: 1299.7/67$

- sign 341.507 ± 75.340 $\chi^2/\text{NDF}: 615.2/33$

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 347.037 $\pm$ 0.070 χ^2 /NDF: 797642.0/16

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

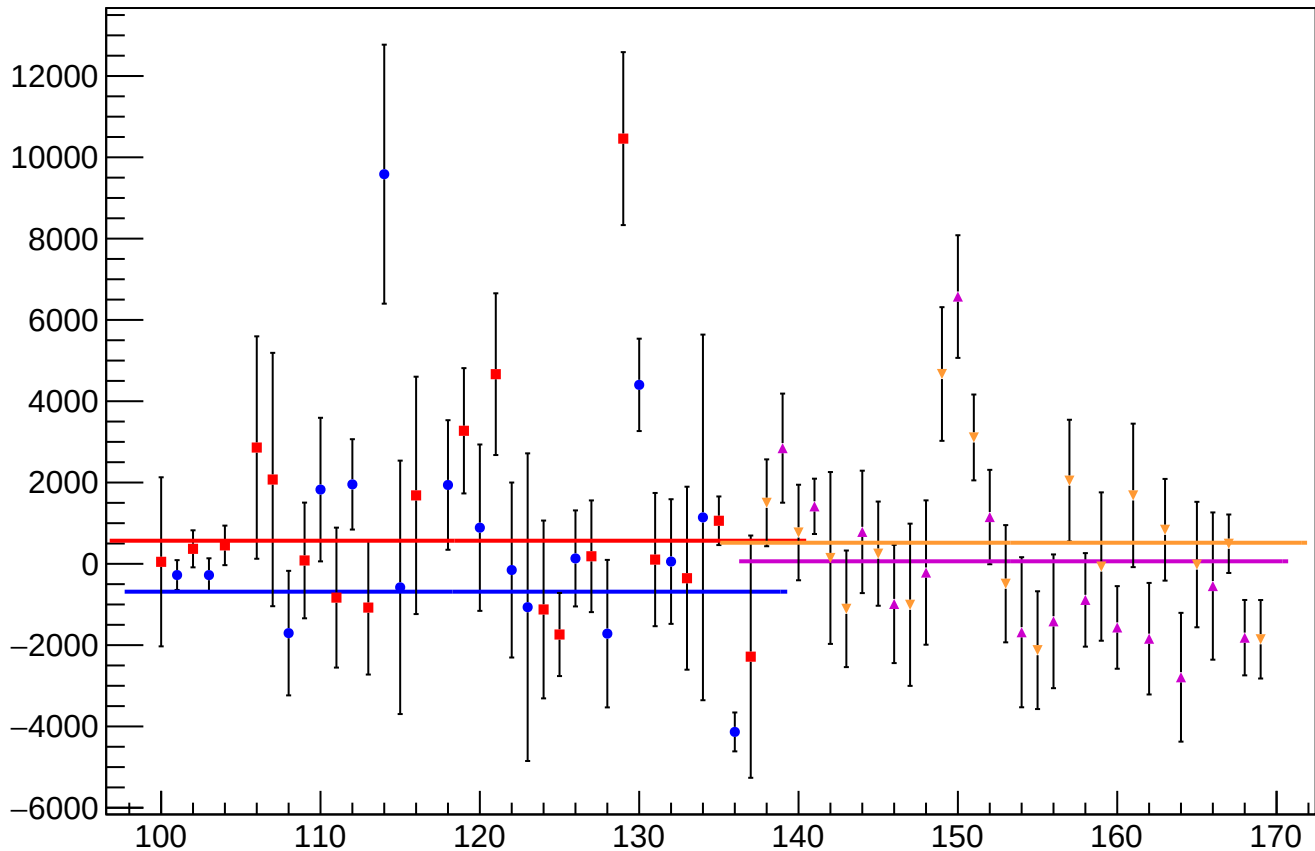
Left In: 331.886 $\pm$ 0.070 χ^2 /NDF: 584496.1/14

+ sign 331.098 $\pm$ 0.054 χ^2 /NDF: 1247778.1/33

All: 324.566 $\pm$ 0.038 χ^2 /NDF: 2438091.2/67

- sign 318.313 $\pm$ 0.053 χ^2 /NDF: 1162146.2/33

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 518.831 ± 308.210 χ^2/NDF : 26.9/16

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

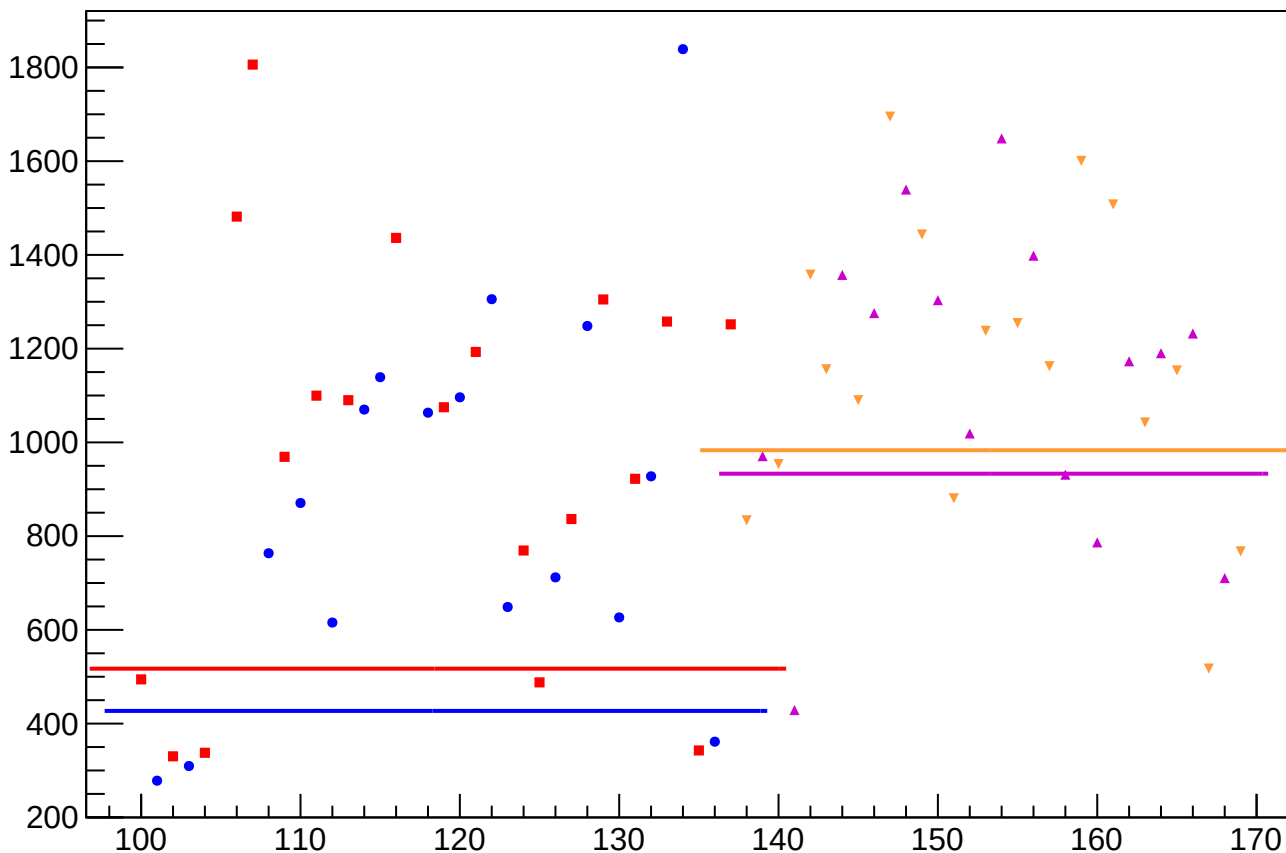
Left In: 62.220 ± 317.636 χ^2/NDF : 42.9/14

+ sign -302.513 ± 173.737 χ^2/NDF : 134.6/33

All: 3.418 ± 129.163 χ^2/NDF : 225.7/67

- sign 381.437 ± 193.125 χ^2/NDF : 84.2/33

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 983.256+/-0.218 χ^2/NDF : 2111201.5/16

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

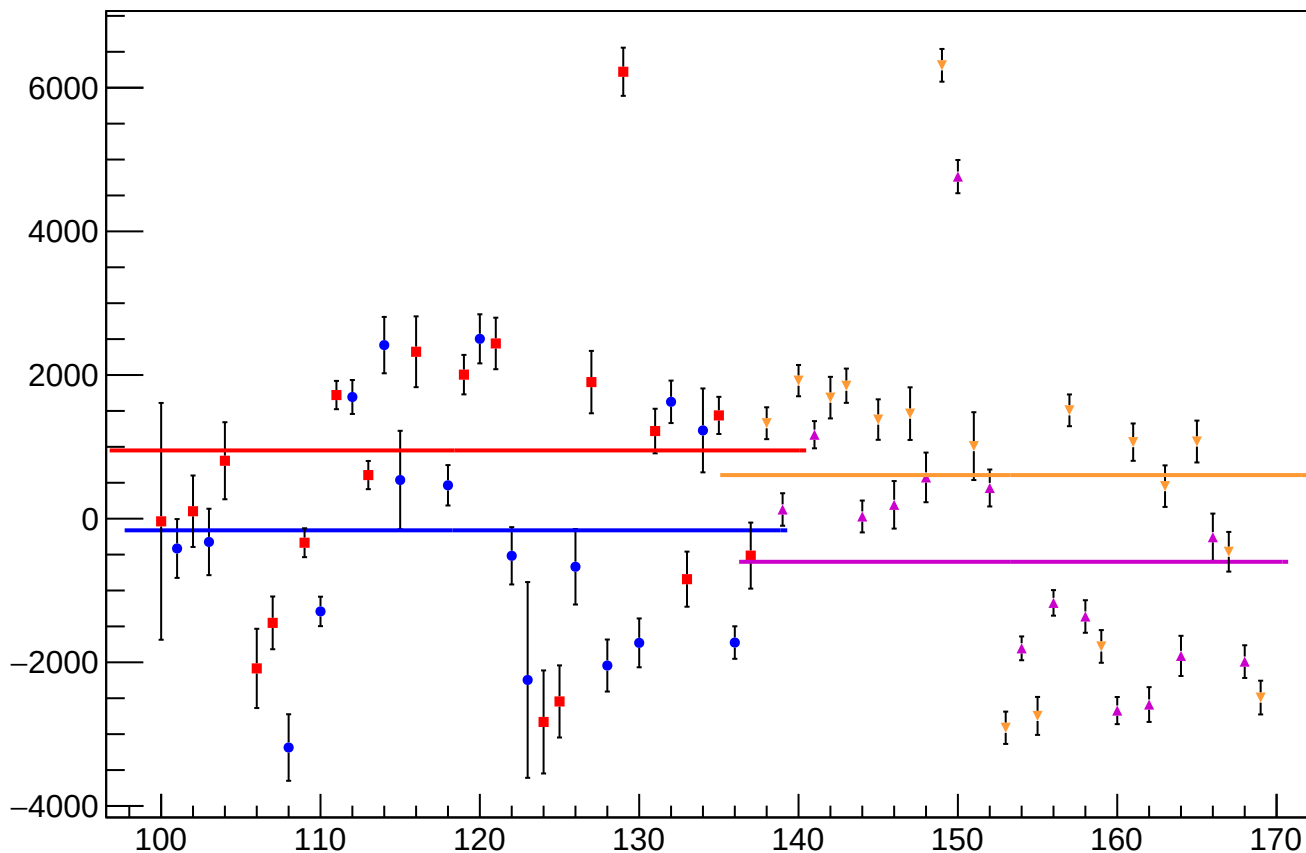
Left In: 933.202+/-0.225 χ^2/NDF : 2519384.6/14

+ sign 603.808+/-0.123 χ^2/NDF : 9420160.4/33

All: 633.866+/-0.091 χ^2/NDF : 17840487.5/67

- sign 671.006+/-0.137 χ^2/NDF : 8286495.9/33

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 $\chi^2/\text{NDF}: 387.6/16$

Left Out: 606.936 ± 62.227 $\chi^2/\text{NDF}: 1454.7/16$

Right Out: 950.093 ± 75.133 $\chi^2/\text{NDF}: 539.8/18$

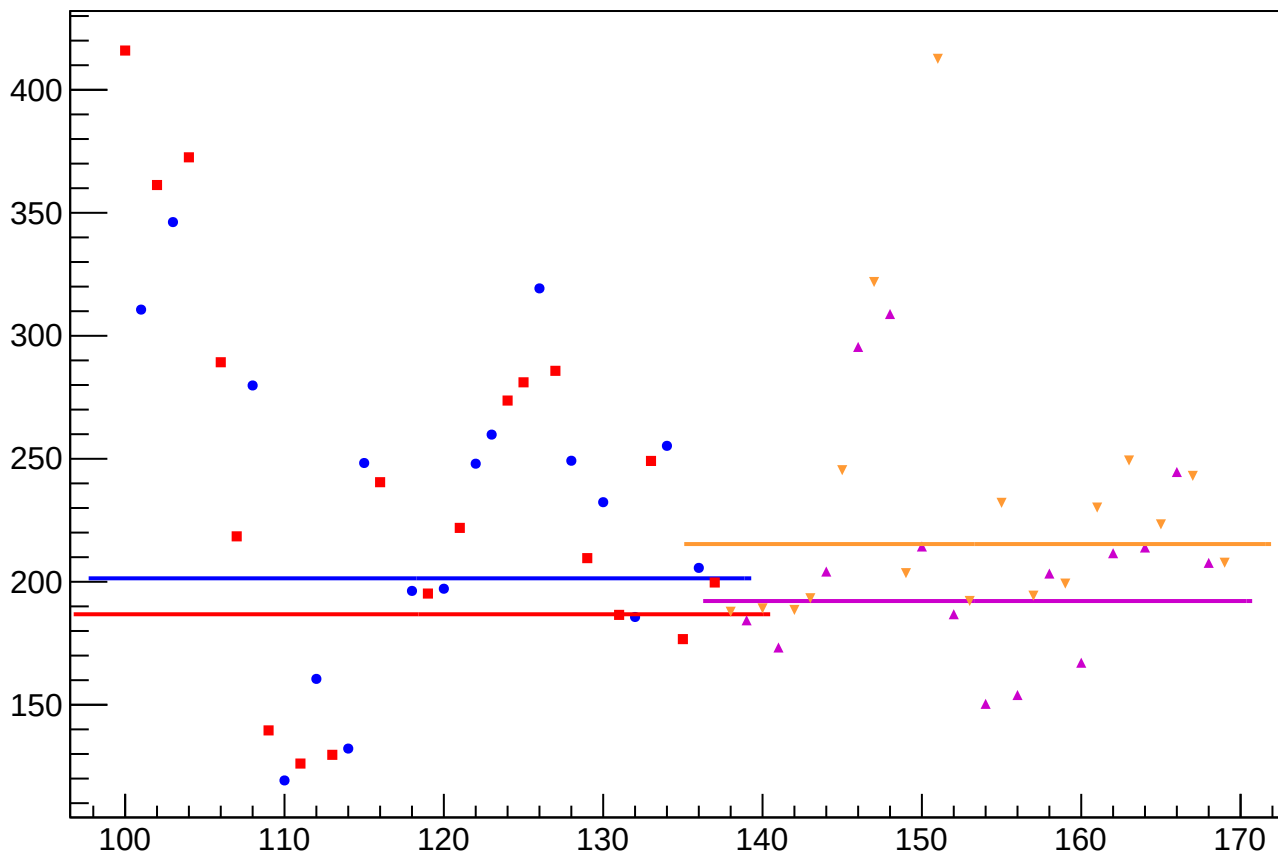
Left In: -600.486 ± 58.434 $\chi^2/\text{NDF}: 998.5/14$

+ sign 327.336 ± 49.647 $\chi^2/\text{NDF}: 1897.8/33$

All: 143.026 ± 33.792 $\chi^2/\text{NDF}: 3727.1/67$

- sign -16.068 ± 46.126 $\chi^2/\text{NDF}: 1803.6/33$

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 ± 0.058 χ^2/NDF : 1056022.1/16

Left Out: 215.341 ± 0.044 χ^2/NDF : 755385.9/16

Right Out: 186.797 ± 0.053 χ^2/NDF : 1393162.0/18

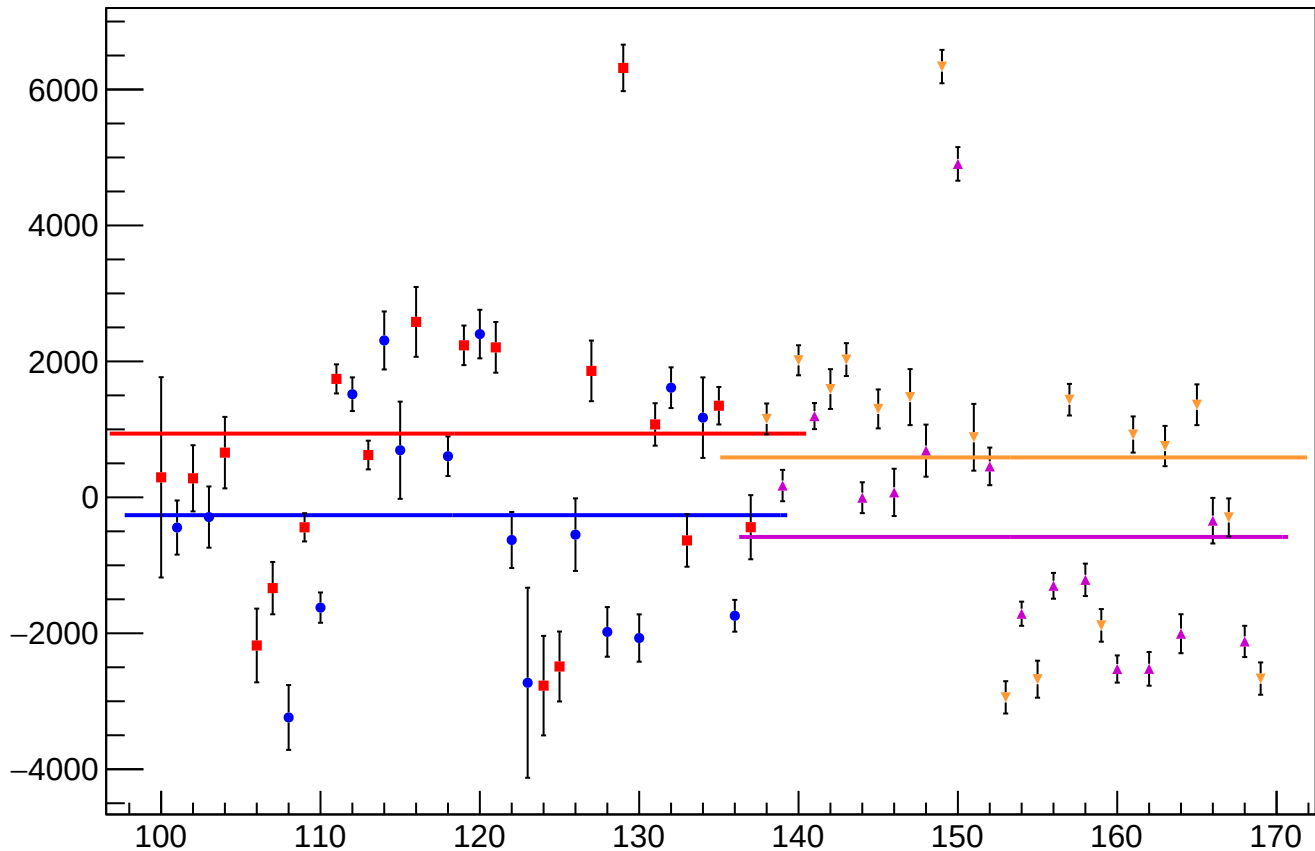
Left In: 192.178 ± 0.041 χ^2/NDF : 814681.4/14

+ sign 210.277 ± 0.035 χ^2/NDF : 1847843.6/33

All: 199.475 ± 0.024 χ^2/NDF : 4238501.2/67

- sign 190.150 ± 0.033 χ^2/NDF : 2214233.8/33

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 587.322 ± 64.318 χ^2/NDF : 1343.8/16

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

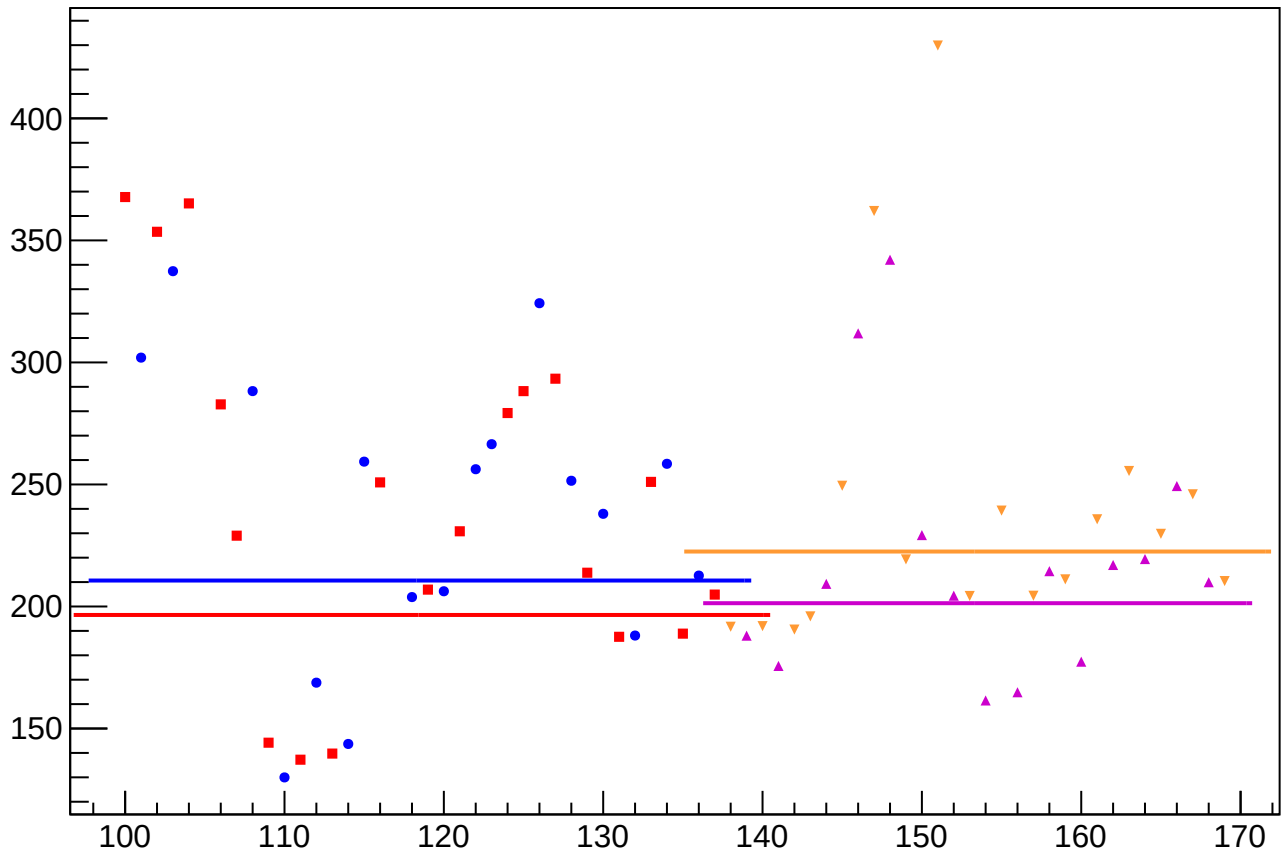
Left In: -582.575 ± 61.120 χ^2/NDF : 910.2/14

+ sign 279.964 ± 51.384 χ^2/NDF : 1775.7/33

All: 126.711 ± 35.159 χ^2/NDF : 3458.2/67

- sign -8.197 ± 48.211 χ^2/NDF : 1665.8/33

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 222.518+/-0.045 χ^2/NDF : 812808.3/16

Right Out: 196.528+/-0.055 χ^2/NDF : 1205091.0/18

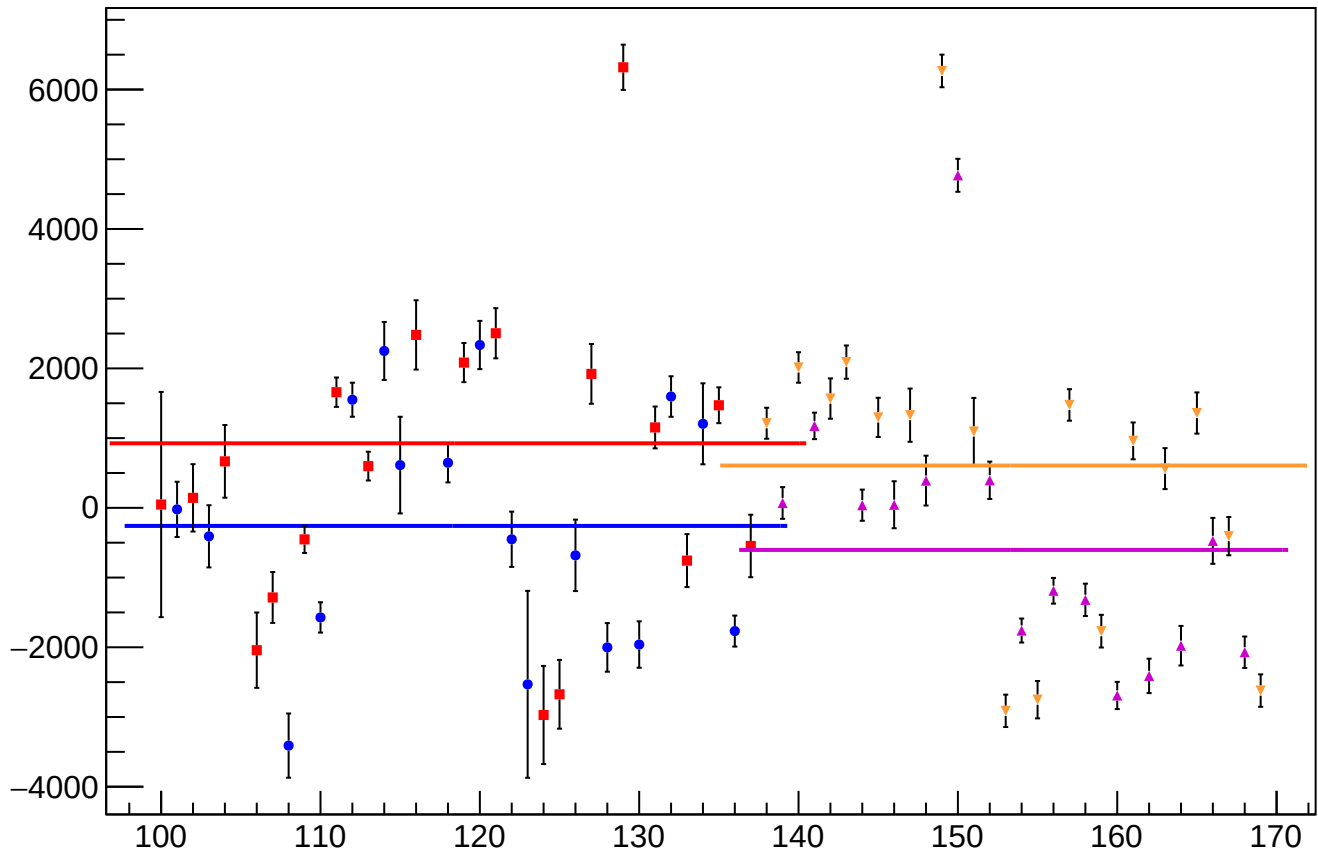
Left In: 201.350+/-0.043 χ^2/NDF : 810826.7/14

+ sign 218.220+/-0.036 χ^2/NDF : 1713278.3/33

All: 208.279+/-0.025 χ^2/NDF : 3874642.7/67

- sign 199.528+/-0.034 χ^2/NDF : 2020621.0/33

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 606.993 ± 62.987 χ^2/NDF : 1413.4/16

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

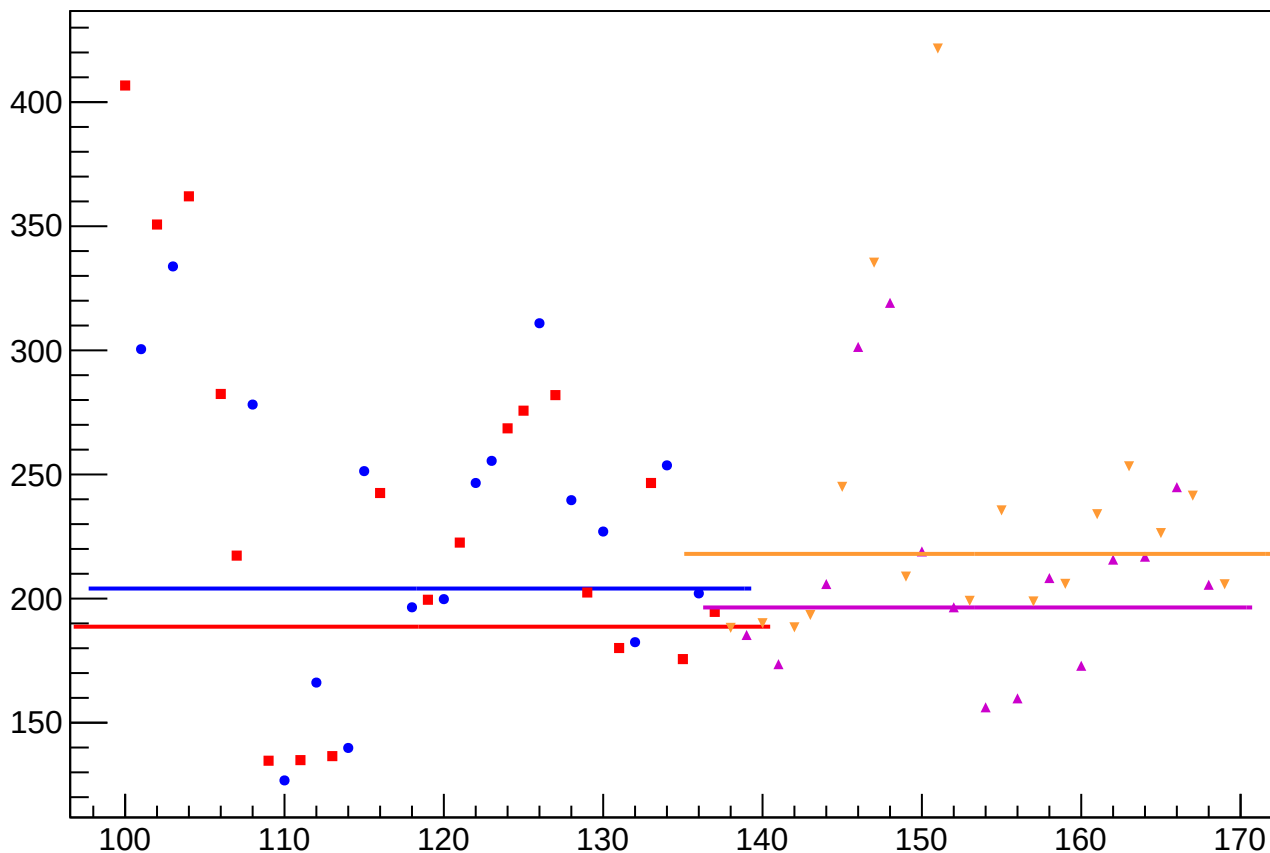
Left In: -603.634 ± 59.625 χ^2/NDF : 945.5/14

+ sign 289.510 ± 50.131 χ^2/NDF : 1873.9/33

All: 126.095 ± 34.207 χ^2/NDF : 3673.8/67

- sign -16.286 ± 46.794 χ^2/NDF : 1780.0/33

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 218.008+/-0.045 χ^2/NDF : 777211.1/16

Right Out: 188.681+/-0.053 χ^2/NDF : 1251107.4/18

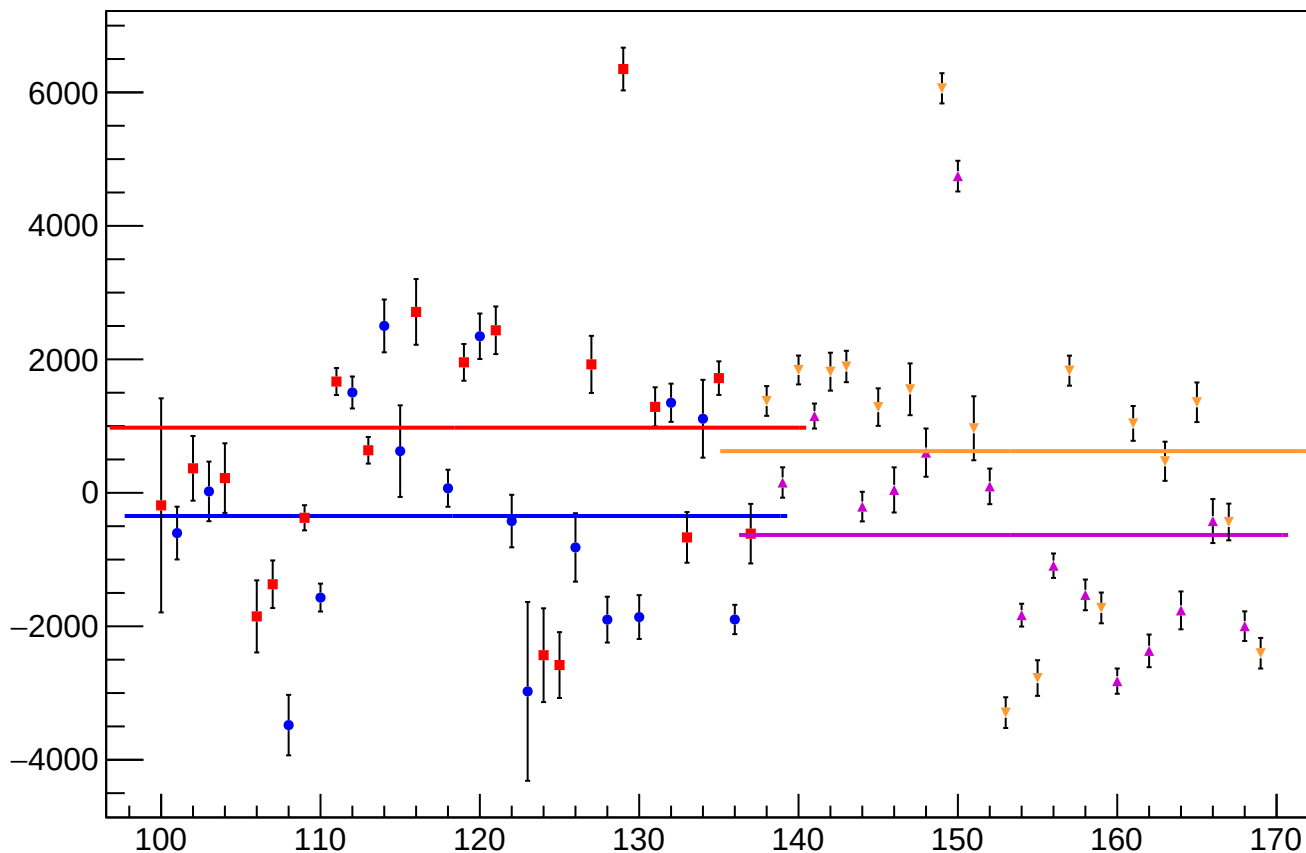
Left In: 196.427+/-0.042 χ^2/NDF : 776759.9/14

+ sign 212.892+/-0.035 χ^2/NDF : 1681629.3/33

All: 202.503+/-0.024 χ^2/NDF : 3883191.1/67

- sign 193.452+/-0.033 χ^2/NDF : 2040834.2/33

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 624.779 ± 62.439 χ^2/NDF : 1459.4/16

Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

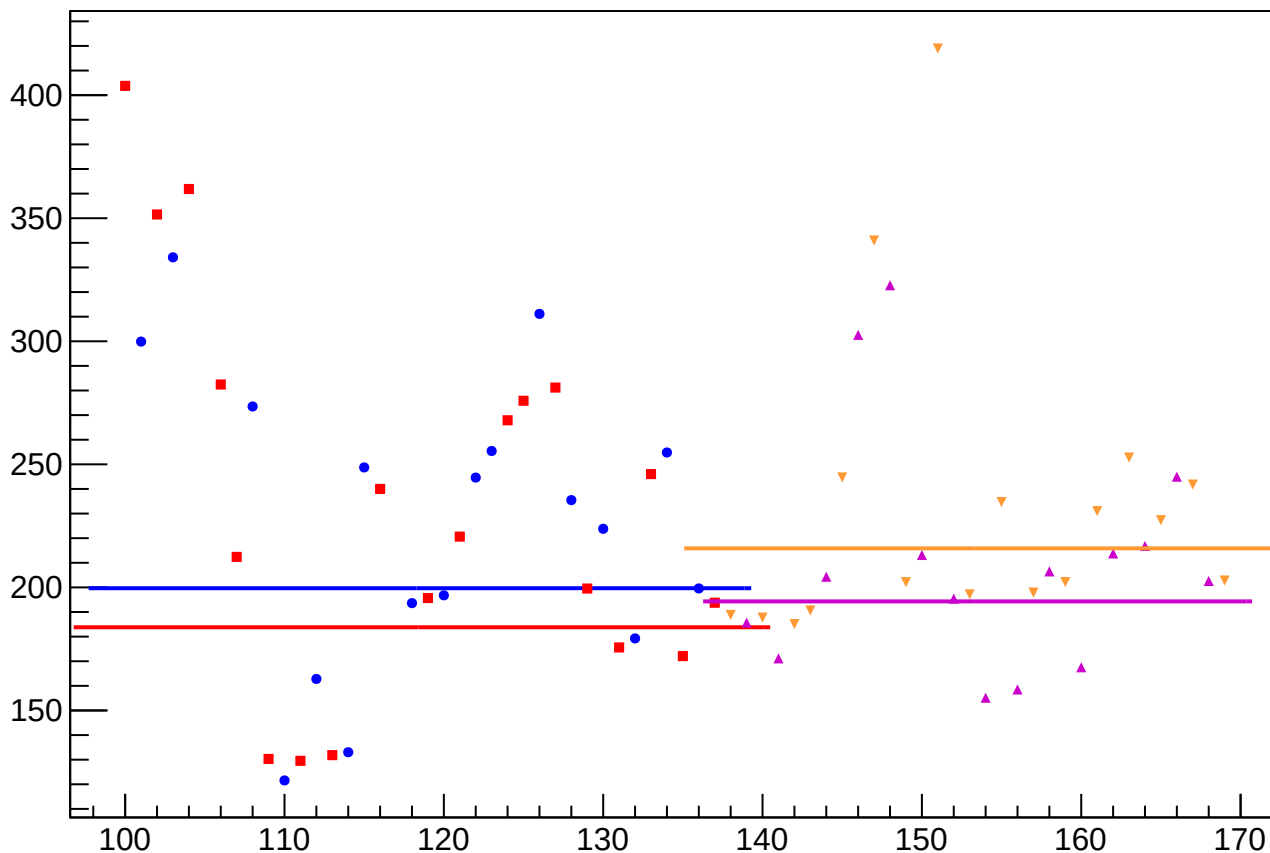
Left In: -631.235 ± 59.039 χ^2/NDF : 984.4/14

+ sign 264.251 ± 49.524 χ^2/NDF : 1948.4/33

All: 120.148 ± 33.753 χ^2/NDF : 3823.2/67

- sign -4.845 ± 46.124 χ^2/NDF : 1859.0/33

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 215.867 $\pm$ 0.044 χ^2 /NDF: 813374.9/16

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

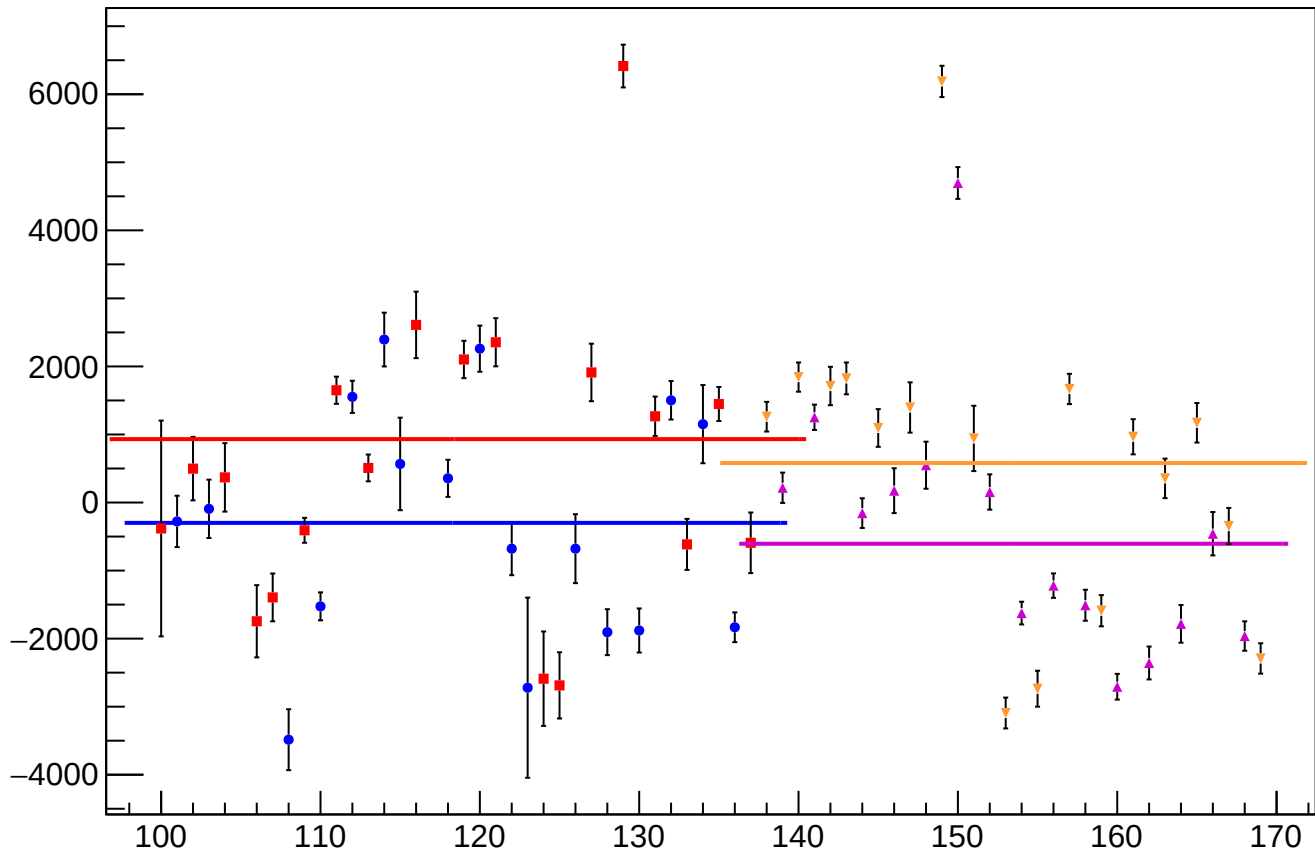
Left In: 194.310 $\pm$ 0.042 χ^2 /NDF: 810778.3/14

+ sign 209.859 $\pm$ 0.035 χ^2 /NDF: 1806449.2/33

All: 199.341 $\pm$ 0.024 χ^2 /NDF: 4159967.1/67

- sign 190.218 $\pm$ 0.033 χ^2 /NDF: 2185061.4/33

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 $\chi^2/\text{NDF}: 406.6/16$

Left Out: 579.947 ± 61.627 $\chi^2/\text{NDF}: 1411.5/16$

Right Out: 931.843 ± 72.751 $\chi^2/\text{NDF}: 614.8/18$

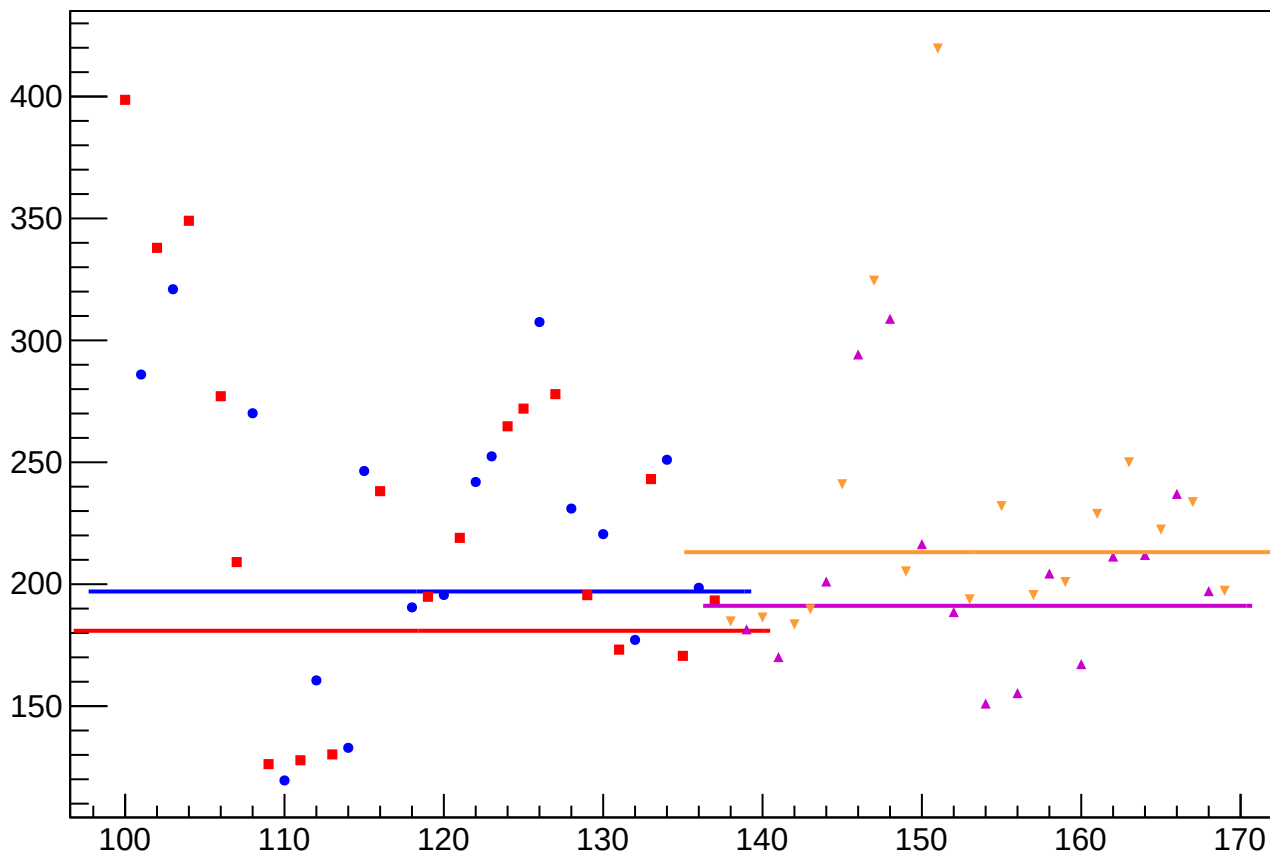
Left In: -605.581 ± 58.080 $\chi^2/\text{NDF}: 956.6/14$

+ sign 253.456 ± 48.857 $\chi^2/\text{NDF}: 1893.6/33$

All: 113.588 ± 33.254 $\chi^2/\text{NDF}: 3753.0/67$

- sign -7.130 ± 45.390 $\chi^2/\text{NDF}: 1844.1/33$

asym_bpm0l08WS_rms vs Slug



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

Left Out: 213.150+/-0.044 χ^2/NDF : 788362.9/16

Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

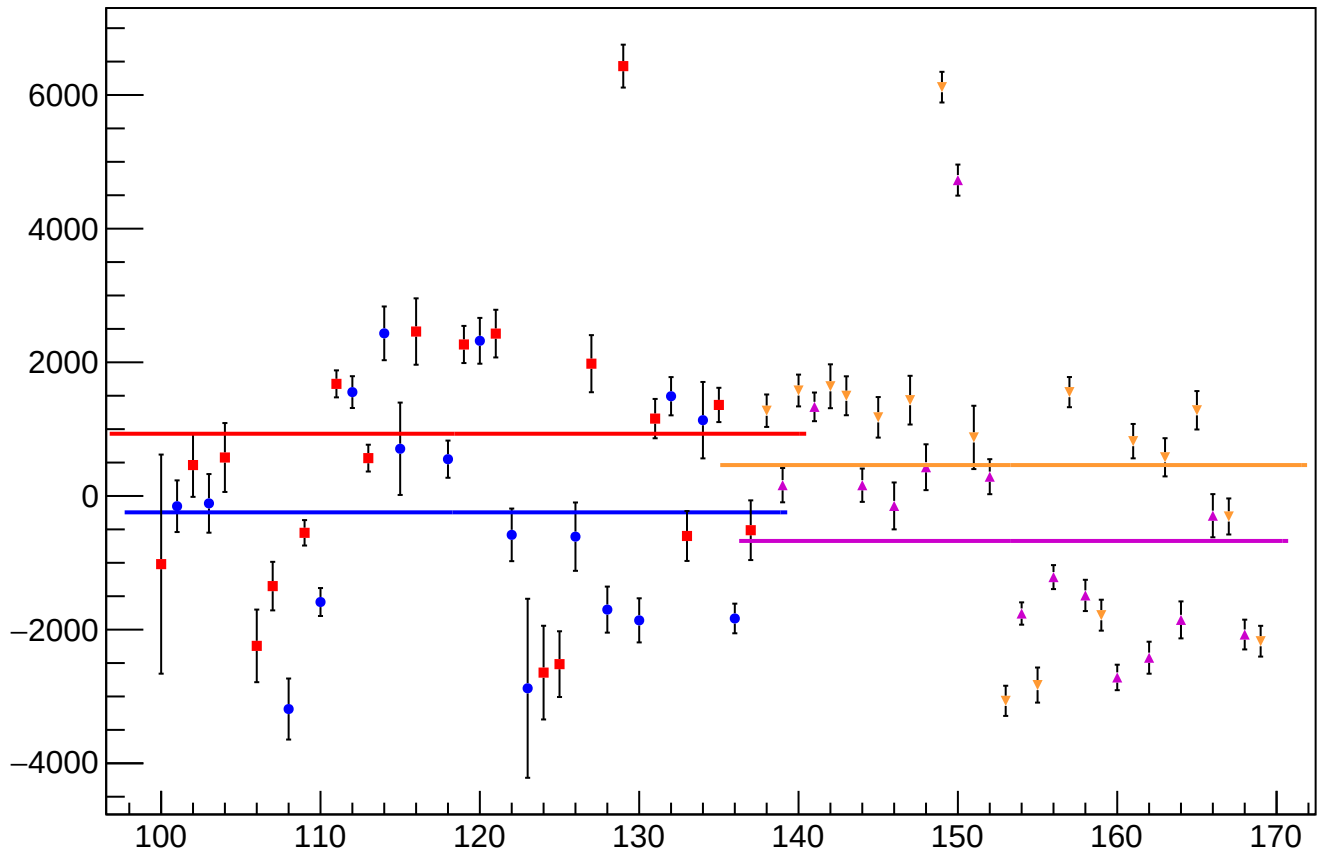
Left In: 191.136+/-0.041 χ^2/NDF : 787275.3/14

+ sign 207.156+/-0.035 χ^2/NDF : 1751223.8/33

All: 196.420+/-0.024 χ^2/NDF : 4088250.8/67

- sign 187.154+/-0.032 χ^2/NDF : 2157115.8/33

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 $\chi^2/\text{NDF}: 391.4/16$

Left Out: 462.557 ± 64.278 $\chi^2/\text{NDF}: 1348.2/16$

Right Out: 931.272 ± 74.206 $\chi^2/\text{NDF}: 609.7/18$

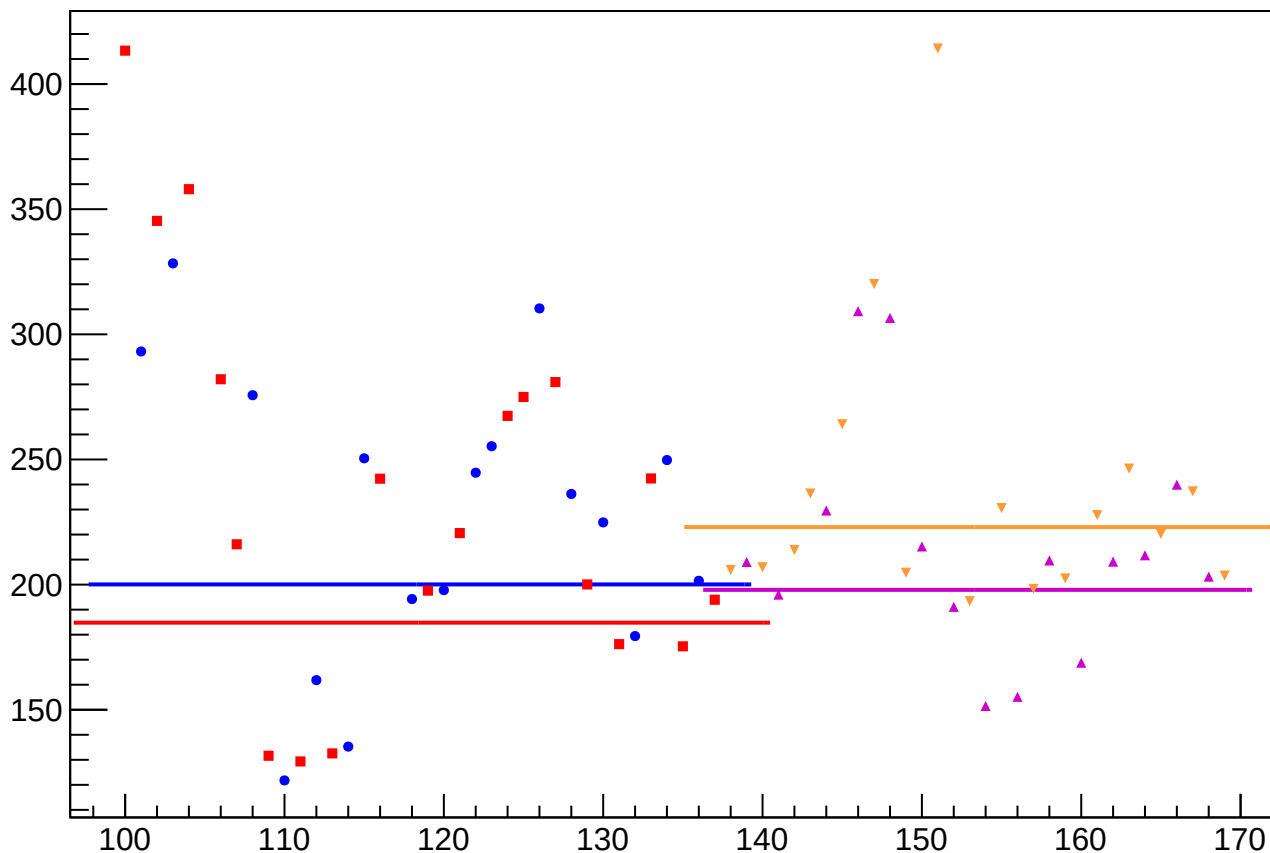
Left In: -672.867 ± 60.226 $\chi^2/\text{NDF}: 965.9/14$

+ sign 190.813 ± 50.445 $\chi^2/\text{NDF}: 1786.2/33$

All: 68.921 ± 34.294 $\chi^2/\text{NDF}: 3654.4/67$

- sign -35.825 ± 46.763 $\chi^2/\text{NDF}: 1857.4/33$

asym_bpm0l09WS_rms vs Slug



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 222.980+/-0.045 χ^2/NDF : 651937.2/16

Right Out: 184.807+/-0.052 χ^2/NDF : 1318267.6/18

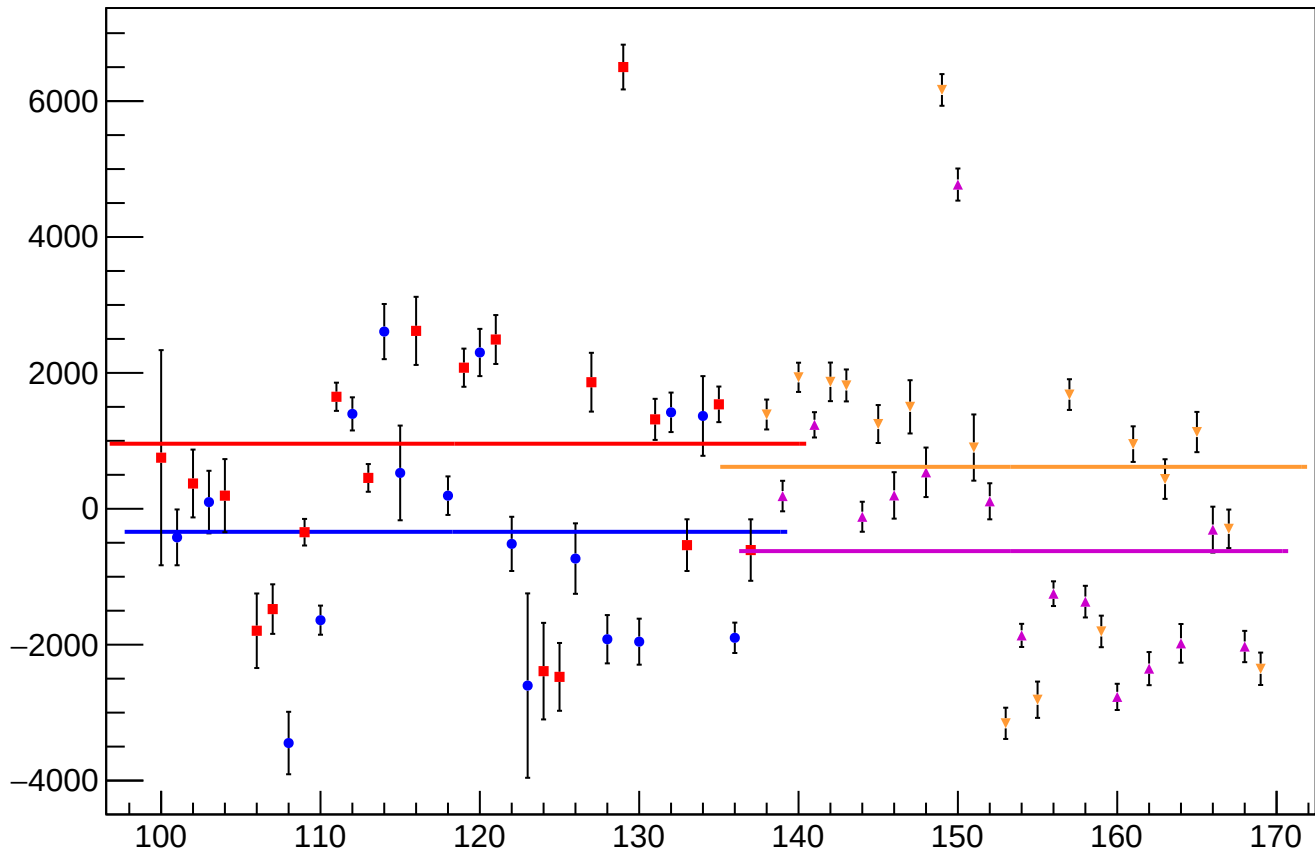
Left In: 197.906+/-0.043 χ^2/NDF : 814670.2/14

+ sign 214.183+/-0.036 χ^2/NDF : 1667764.4/33

All: 202.631+/-0.024 χ^2/NDF : 4033291.4/67

- sign 192.704+/-0.033 χ^2/NDF : 2170505.7/33

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 617.443 ± 62.815 χ^2/NDF : 1406.7/16

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

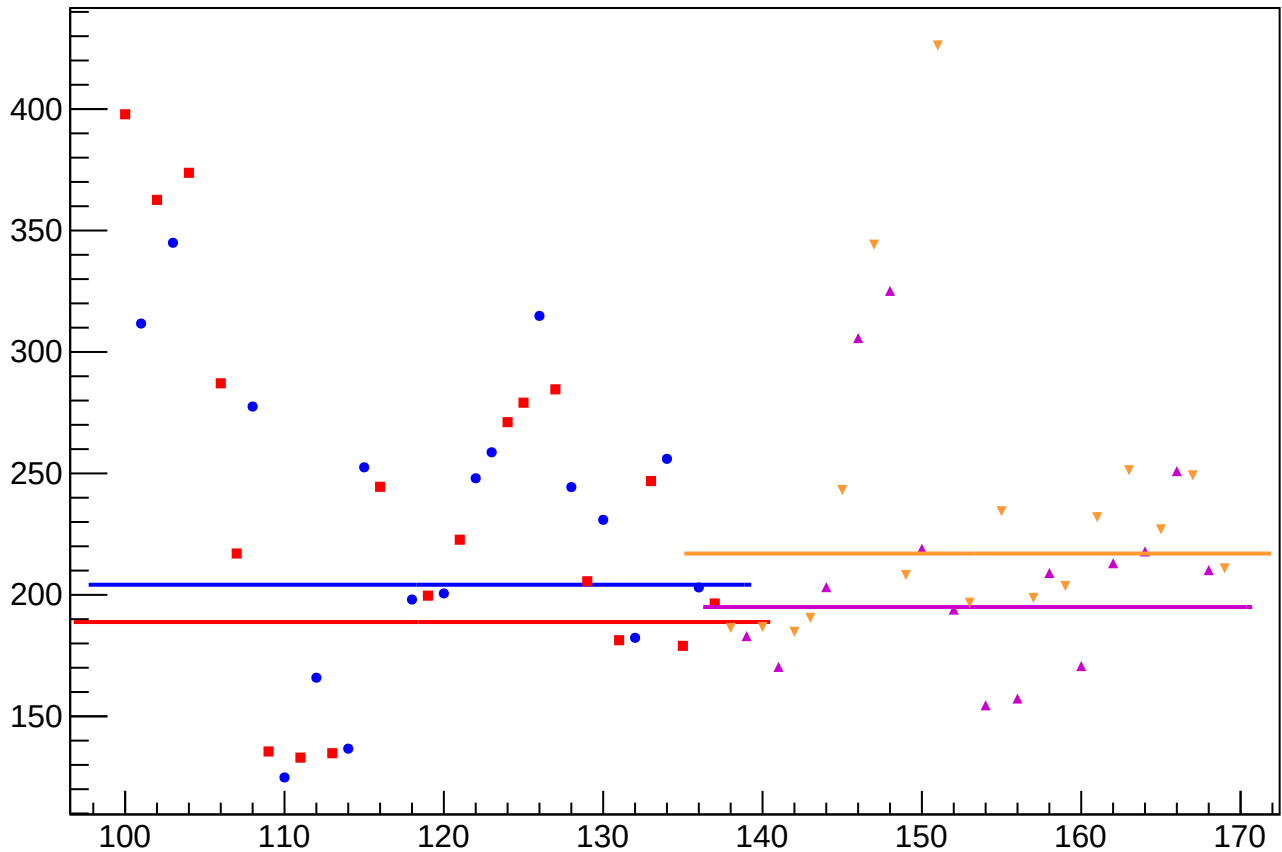
Left In: -622.820 ± 59.324 χ^2/NDF : 972.2/14

+ sign 269.795 ± 50.115 χ^2/NDF : 1880.5/33

All: 113.641 ± 34.167 χ^2/NDF : 3711.0/67

- sign -21.985 ± 46.705 χ^2/NDF : 1812.4/33

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 217.020 $\pm$ 0.044 χ^2 /NDF:836044.8/16

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

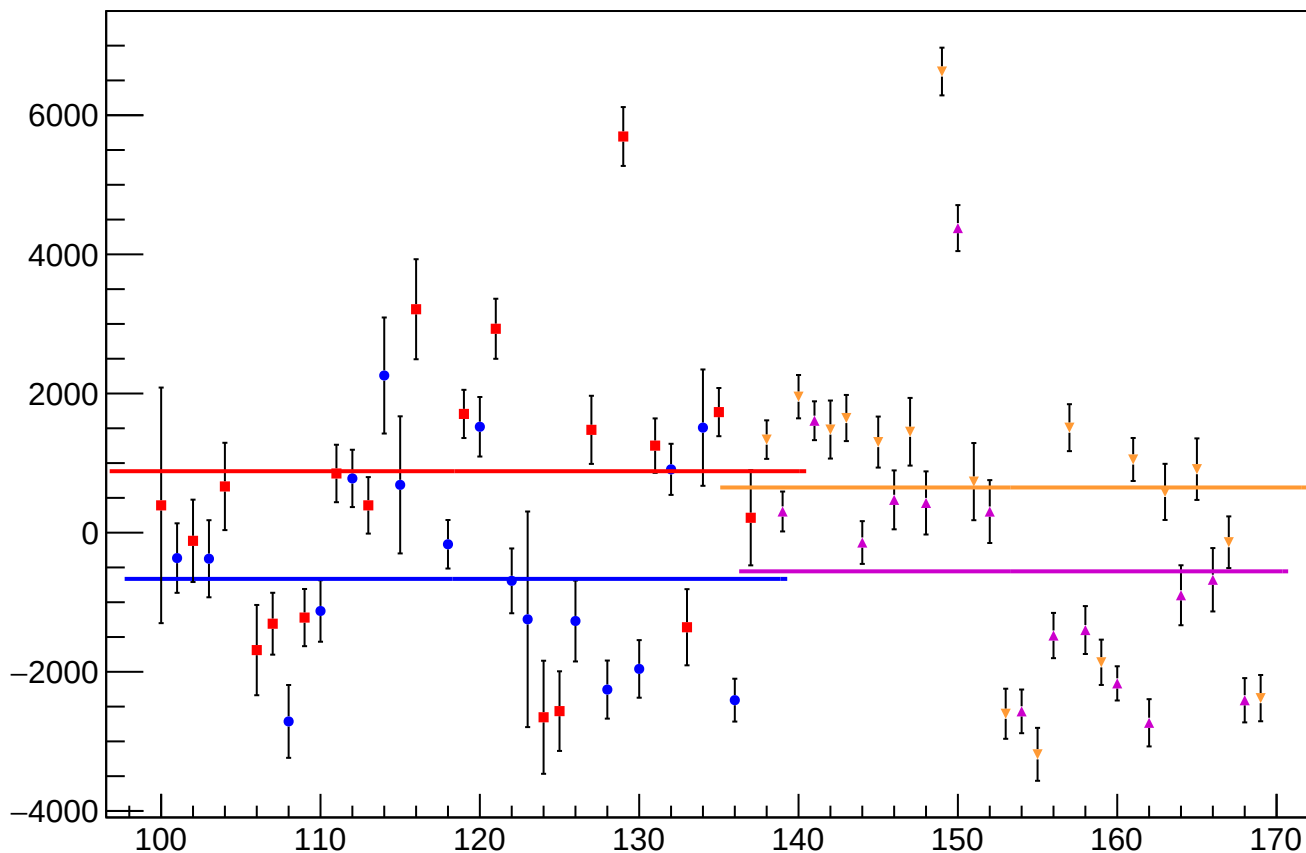
Left In: 194.988 $\pm$ 0.042 χ^2 /NDF:854714.1/14

+ sign 212.351 $\pm$ 0.035 χ^2 /NDF: 1813880.5/33

All: 201.804 $\pm$ 0.024 χ^2 /NDF: 4157222.5/67

- sign 192.643 $\pm$ 0.033 χ^2 /NDF: 2177821.2/33

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 649.462 ± 86.881 χ^2/NDF : 685.4/16

Right Out: 883.255 ± 110.875 χ^2/NDF : 320.1/18

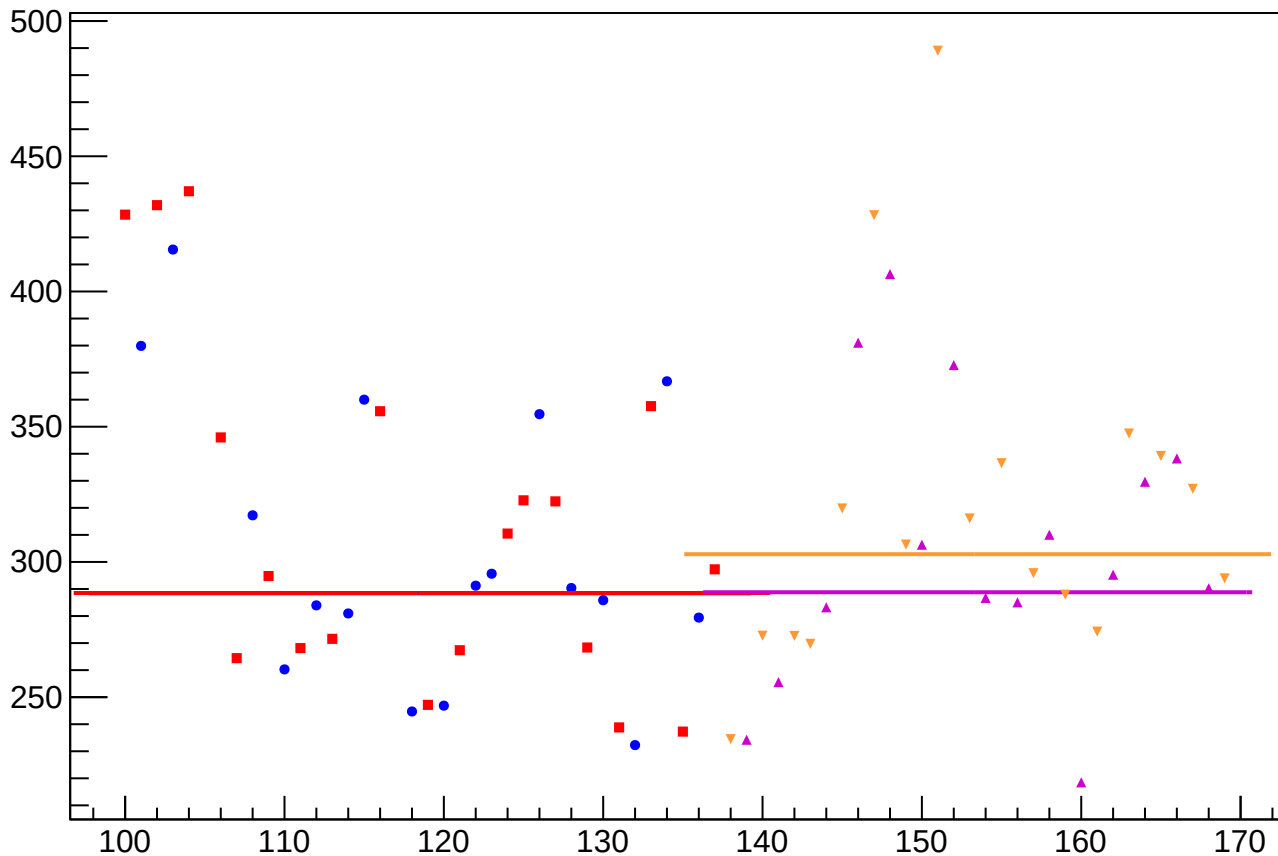
Left In: -555.983 ± 86.581 χ^2/NDF : 481.8/14

+ sign 166.456 ± 69.090 χ^2/NDF : 923.8/33

All: 76.734 ± 48.551 χ^2/NDF : 1833.6/67

- sign -10.795 ± 68.240 χ^2/NDF : 906.5/33

asym_bpm0r03WS_rms vs Slug



Right In: 288.428+/-0.081 χ^2/NDF : 339820.0/16

Left Out: 302.864+/-0.061 χ^2/NDF : 622275.4/16

Right Out: 288.522+/-0.078 χ^2/NDF : 455410.1/18

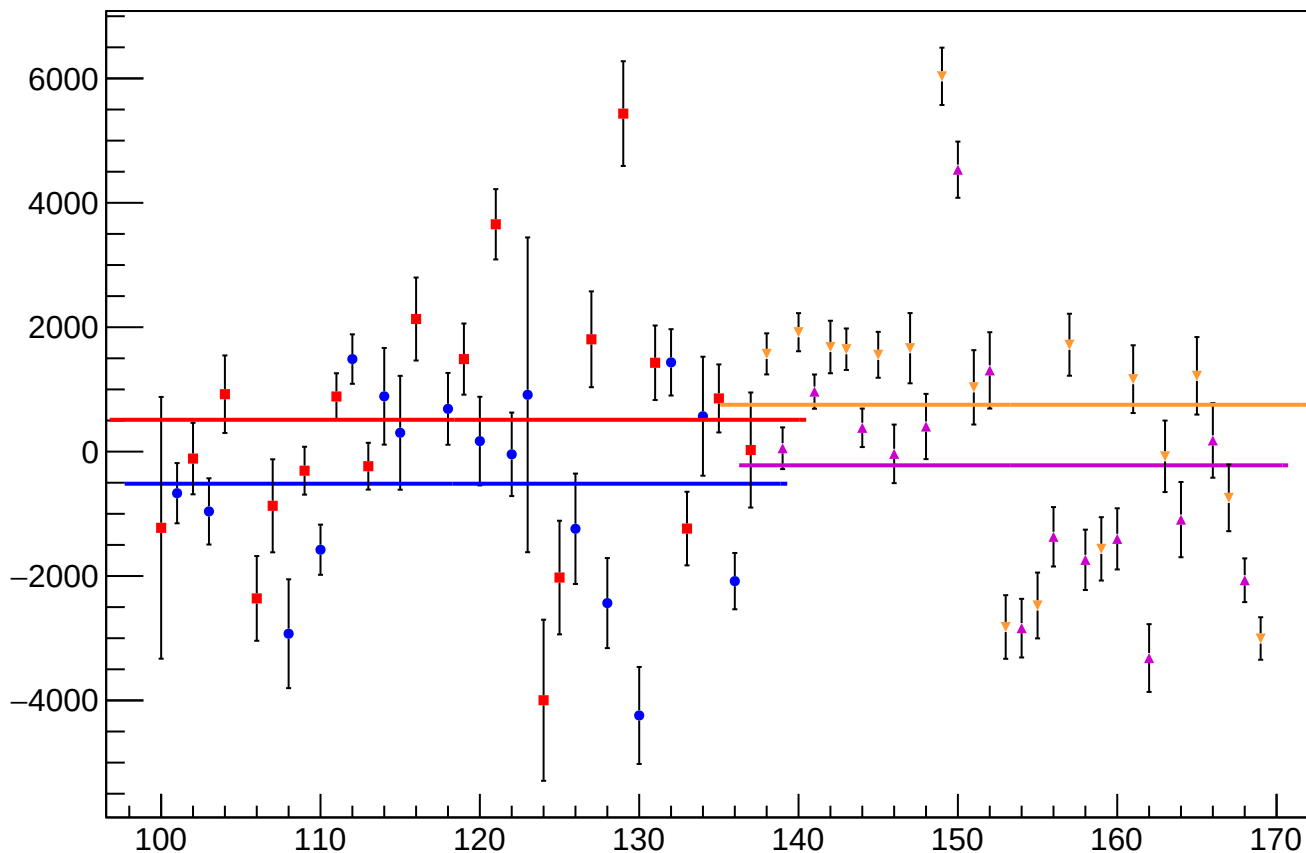
Left In: 288.791+/-0.061 χ^2/NDF : 619295.2/14

+ sign 297.557+/-0.049 χ^2/NDF : 982393.8/33

All: 293.068+/-0.034 χ^2/NDF : 2073783.4/67

- sign 288.689+/-0.048 χ^2/NDF : 1074712.6/33

asym_bpm0r05WS_mean vs Slug



Right In: -515.894+/-147.326 χ^2/NDF : 108.0/16

Left Out: 753.465+/-106.166 χ^2/NDF : 414.1/16

Right Out: 511.851+/-135.798 χ^2/NDF : 141.3/18

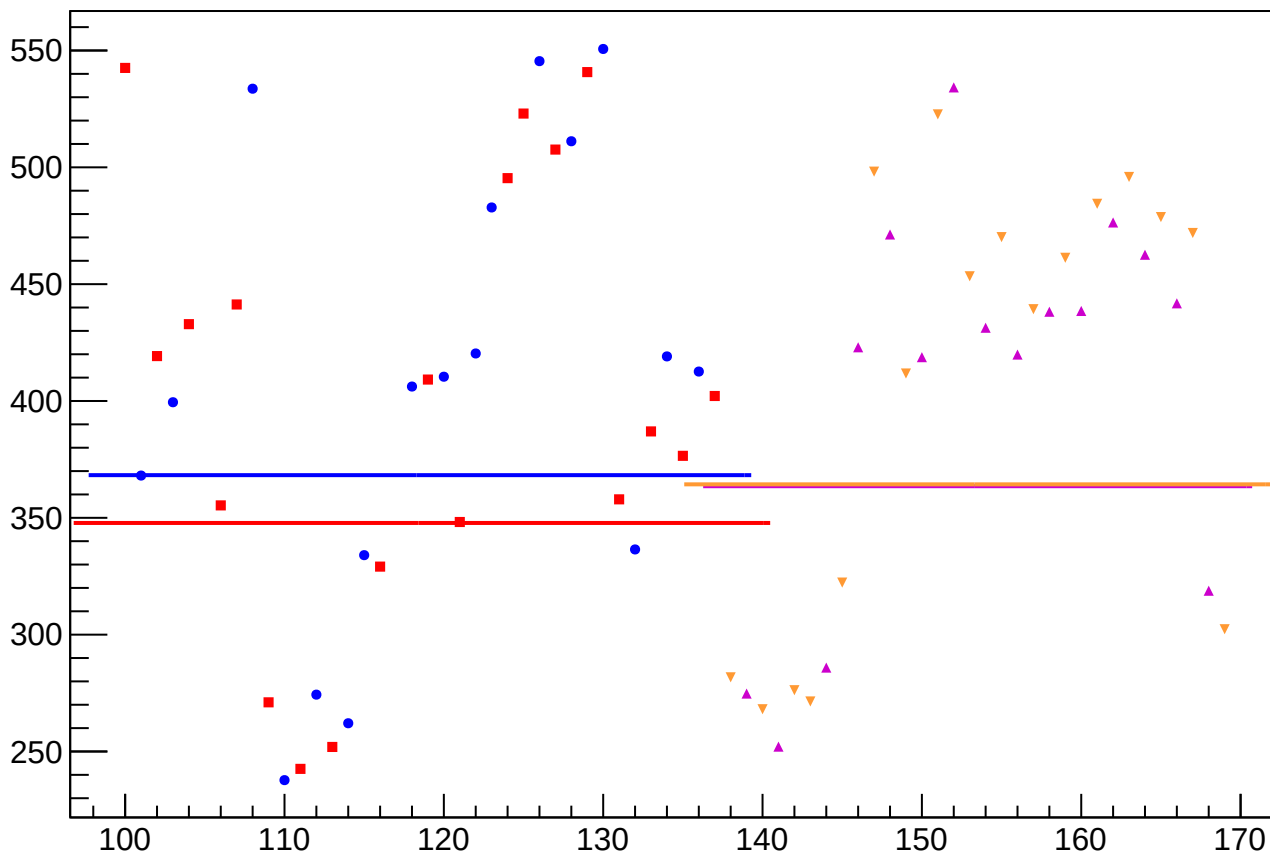
Left In: -220.153+/-110.121 χ^2/NDF : 256.2/14

+ sign 319.603+/-86.132 χ^2/NDF : 570.9/33

All: 194.053+/-60.692 χ^2/NDF : 990.1/67

- sign 70.243+/-85.533 χ^2/NDF : 415.0/33

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 364.328+/-0.075 χ^2/NDF :1538839.8/16

Right Out: 347.802+/-0.096 χ^2/NDF : 821862.5/18

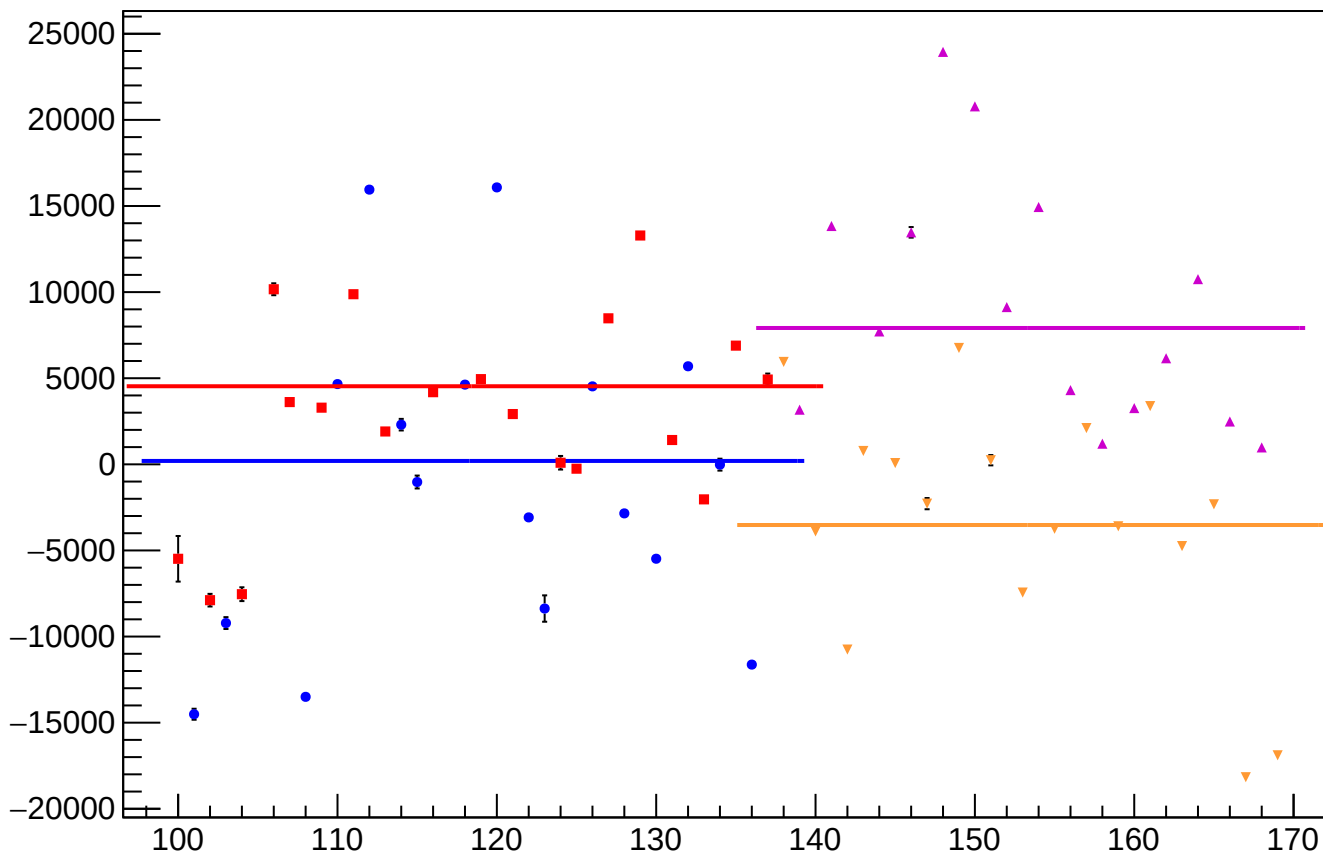
Left In: 363.530+/-0.078 χ^2/NDF :1263598.6/14

+ sign 365.673+/-0.061 χ^2/NDF : 2309896.1/33

All: 361.453+/-0.043 χ^2/NDF : 4421080.1/67

- sign 357.291+/-0.060 χ^2/NDF : 2101646.3/33

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2 /NDF: 30658.3/16

Left Out: -3522.852 $\pm$ 48.596 χ^2 /NDF:19801.7/16

Right Out: 4534.200 $\pm$ 52.462 χ^2 /NDF: 7477.2/18

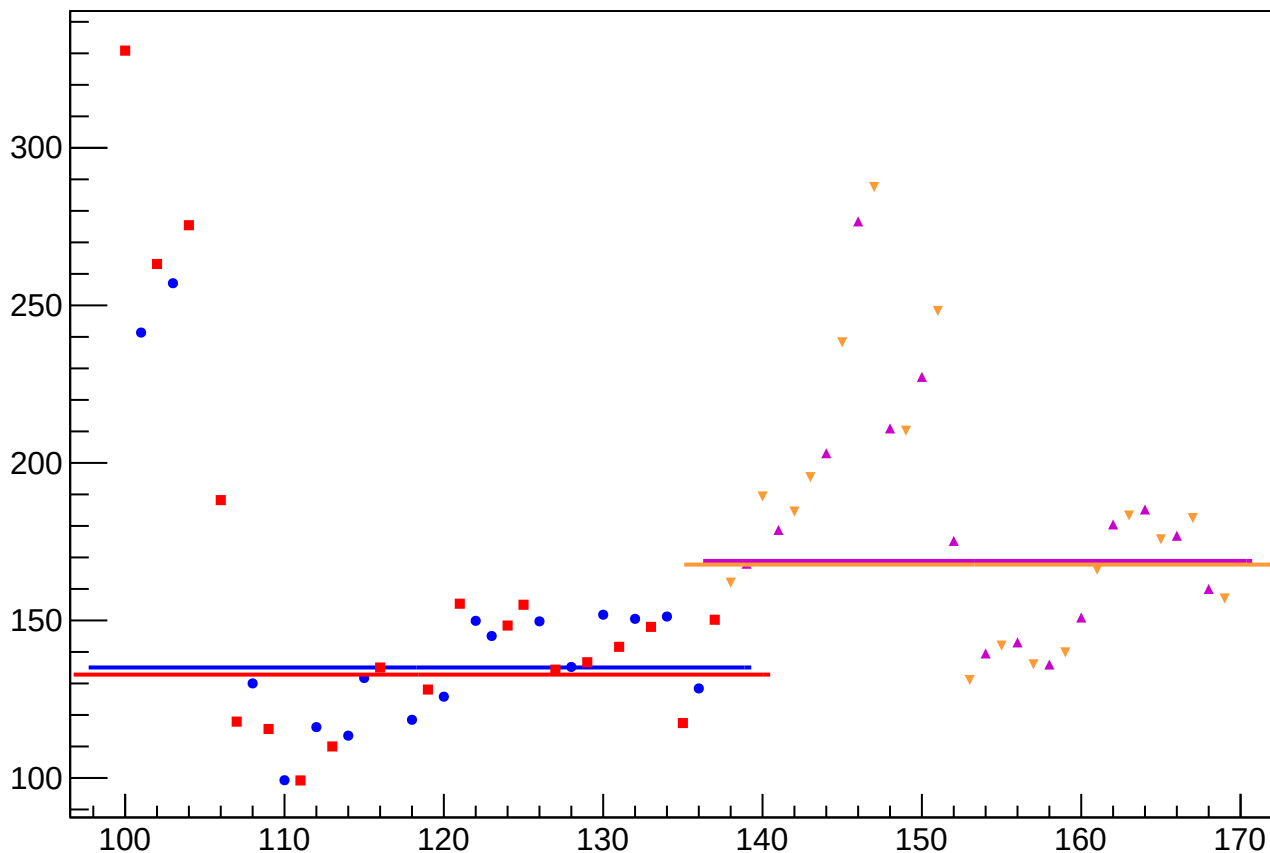
Left In: 7917.275 $\pm$ 51.177 χ^2 /NDF:16462.4/14

+ sign -1885.269 $\pm$ 36.359 χ^2 /NDF: 53039.4/33

All: 2160.522 $\pm$ 25.806 χ^2 /NDF: 104061.7/67

- sign 6267.672 $\pm$ 36.633 χ^2 /NDF: 26070.4/33

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 167.721+/-0.034 χ^2/NDF : 1020776.9/16

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

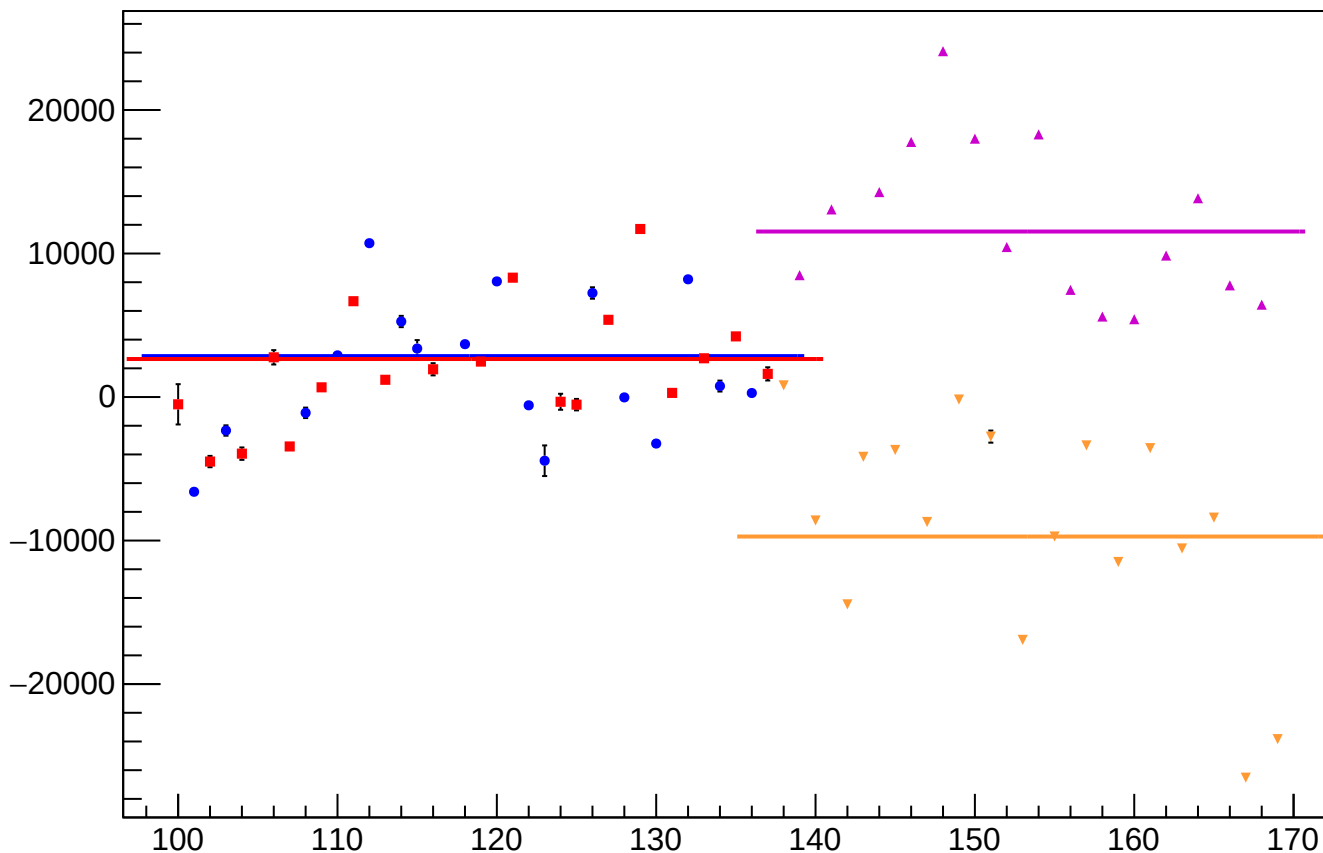
Left In: 168.885+/-0.036 χ^2/NDF : 736712.3/14

+ sign 153.348+/-0.026 χ^2/NDF : 2076892.5/33

All: 152.331+/-0.018 χ^2/NDF : 4132366.3/67

- sign 151.298+/-0.026 χ^2/NDF : 2052318.7/33

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -9720.201+/-55.084 χ^2/NDF :20854.8/16

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

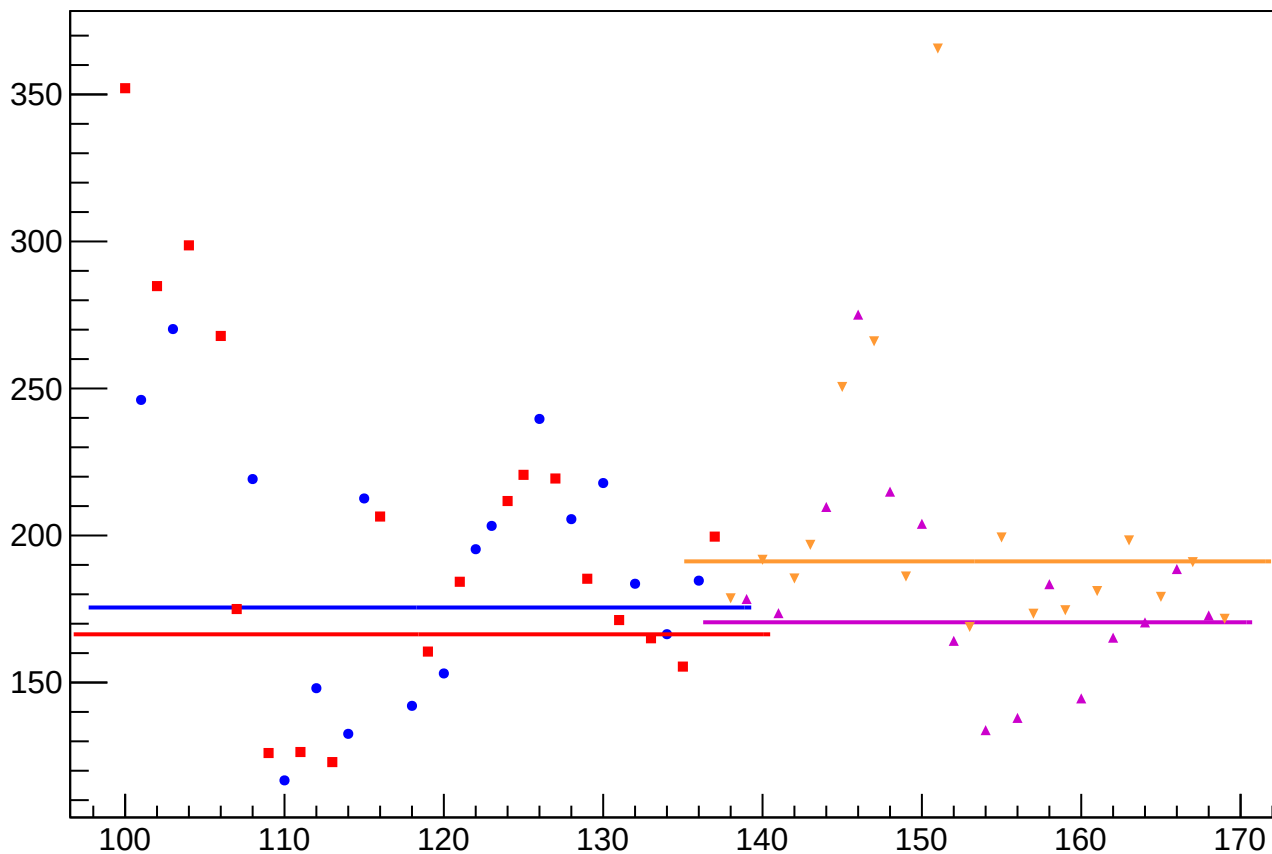
Left In: 11532.072+/-51.711 χ^2/NDF :10481.7/14

+ sign -4975.923+/-43.465 χ^2/NDF : 44689.7/33

All: 2019.689+/-29.686 χ^2/NDF : 118182.1/67

- sign 8136.112+/-40.642 χ^2/NDF : 24938.5/33

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 191.200 $\pm$ 0.039 χ^2 /NDF: 650099.6/16

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

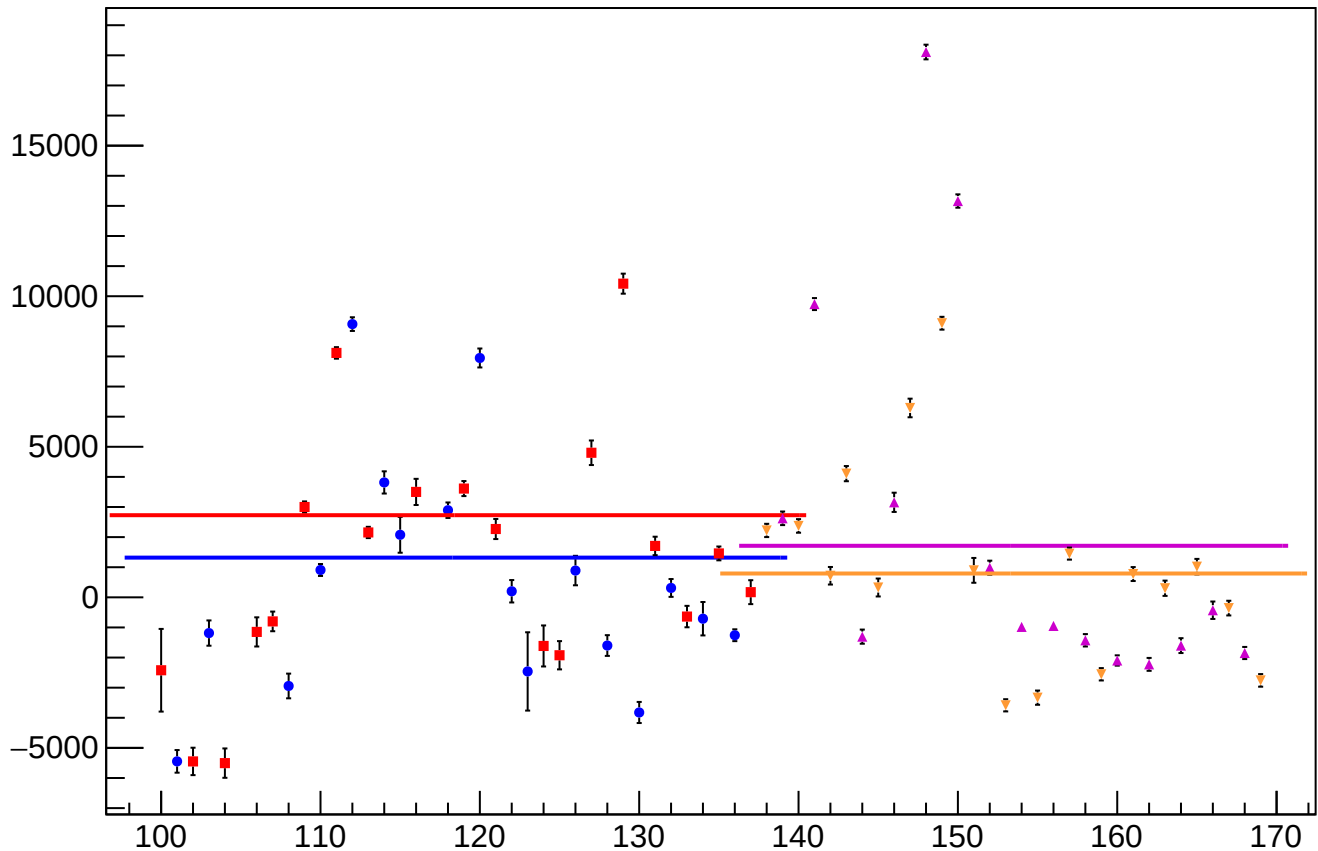
Left In: 170.488 $\pm$ 0.037 χ^2 /NDF: 686618.1/14

+ sign 185.281 $\pm$ 0.031 χ^2 /NDF: 1400945.6/33

All: 176.553 $\pm$ 0.021 χ^2 /NDF: 3173039.5/67

- sign 168.922 $\pm$ 0.029 χ^2 /NDF: 1620946.6/33

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 ± 77.146 $\chi^2/\text{NDF}: 2667.0/16$

Left Out: 791.421 ± 58.011 $\chi^2/\text{NDF}: 3465.2/16$

Right Out: 2727.798 ± 70.029 $\chi^2/\text{NDF}: 2495.9/18$

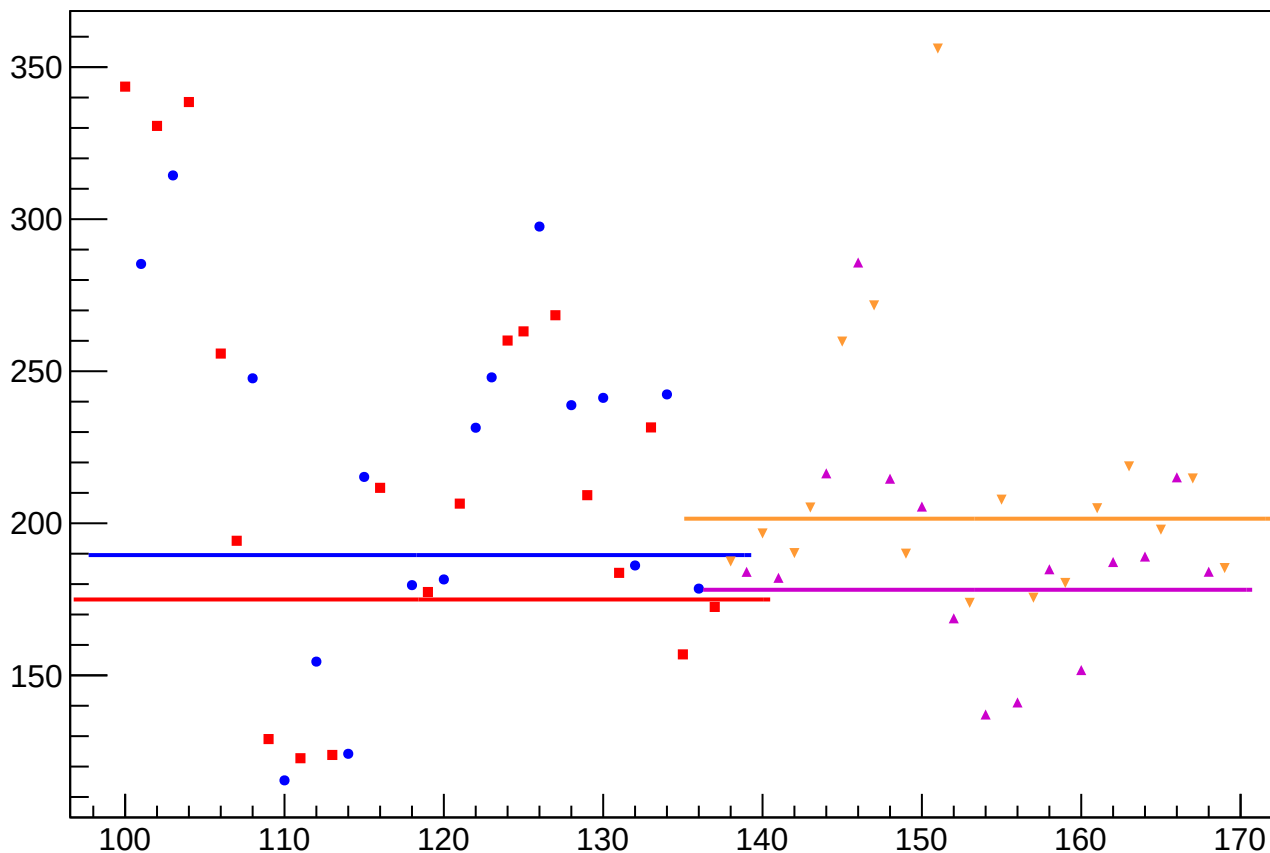
Left In: 1711.785 ± 54.082 $\chi^2/\text{NDF}: 11211.4/14$

+ sign 981.990 ± 46.365 $\chi^2/\text{NDF}: 6162.1/33$

All: 1580.914 ± 31.450 $\chi^2/\text{NDF}: 20310.3/67$

- sign 2091.361 ± 42.804 $\chi^2/\text{NDF}: 13839.1/33$

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 201.512 $\pm$ 0.041 χ^2 /NDF: 600944.7/16

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

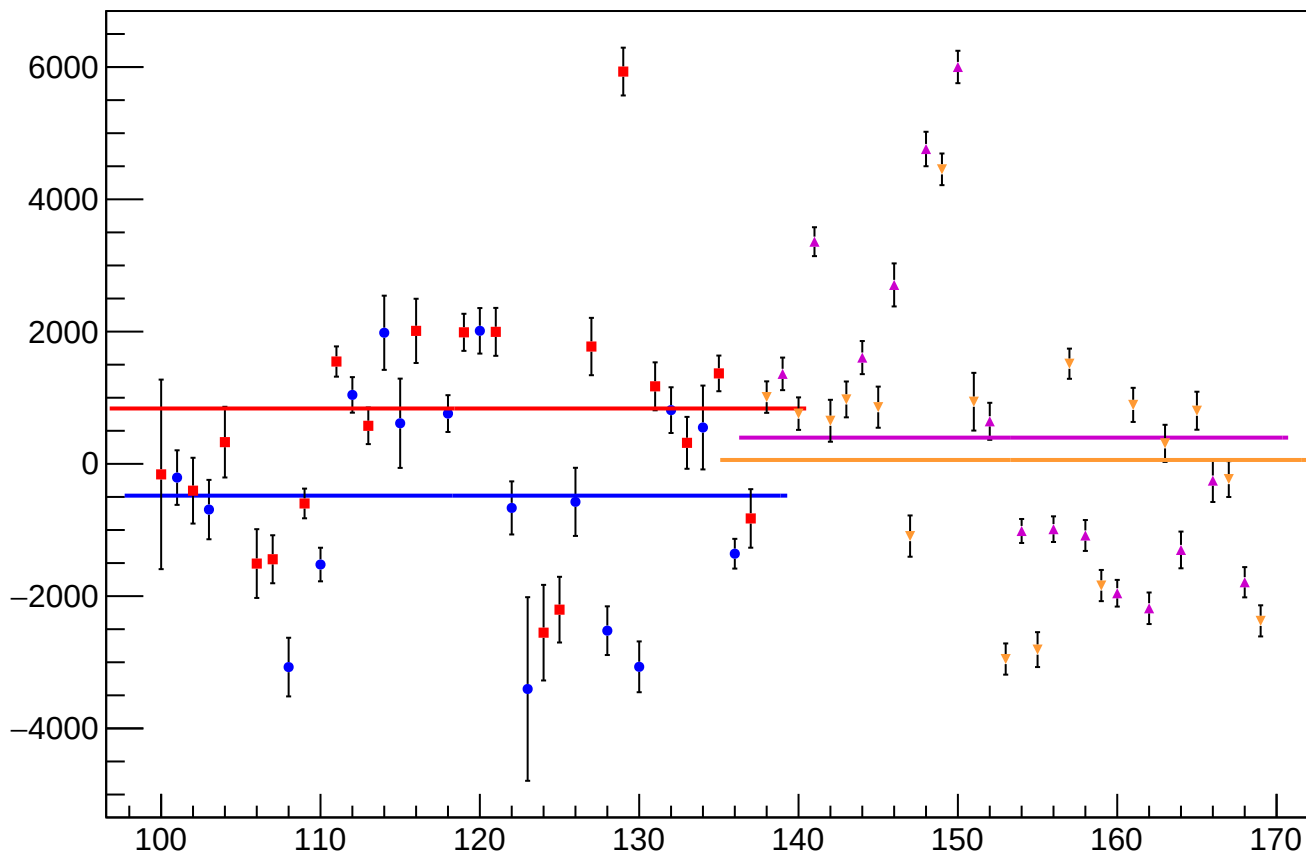
Left In: 178.137 $\pm$ 0.038 χ^2 /NDF: 702448.8/14

+ sign 197.189 $\pm$ 0.033 χ^2 /NDF: 1612432.8/33

All: 186.259 $\pm$ 0.022 χ^2 /NDF: 3820460.1/67

- sign 176.944 $\pm$ 0.030 χ^2 /NDF: 2002160.2/33

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 $\pm$ 88.640 χ^2 /NDF: 290.7/16

Left Out: 59.010 $\pm$ 64.268 χ^2 /NDF: 912.7/16

Right Out: 837.442 $\pm$ 82.243 χ^2 /NDF: 435.3/18

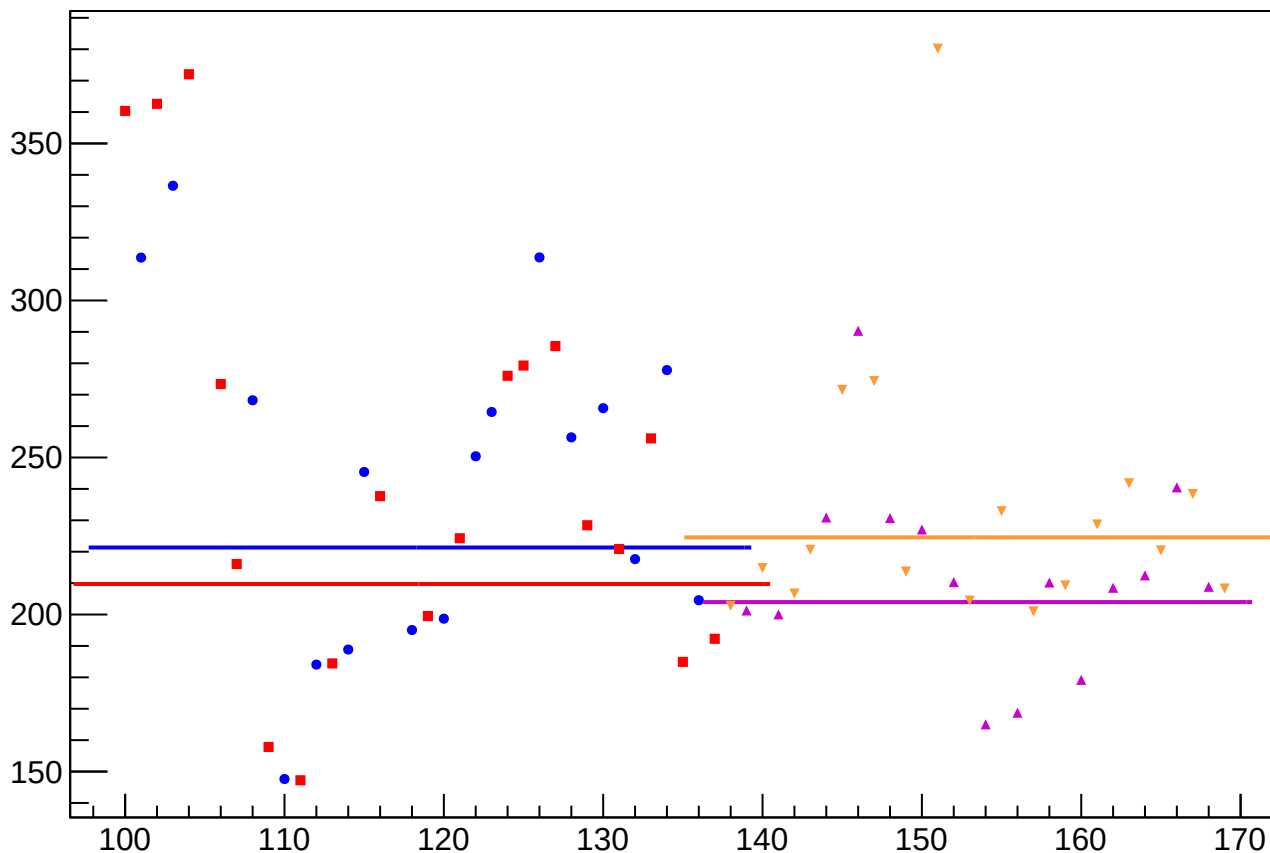
Left In: 396.715 $\pm$ 61.304 χ^2 /NDF: 1615.2/14

+ sign -126.909 $\pm$ 52.031 χ^2 /NDF: 1227.6/33

All: 232.975 $\pm$ 35.730 χ^2 /NDF: 3387.1/67

- sign 554.130 $\pm$ 49.152 χ^2 /NDF: 2068.9/33

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 224.576 $\pm$ 0.045 χ^2 /NDF: 451291.9/16

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

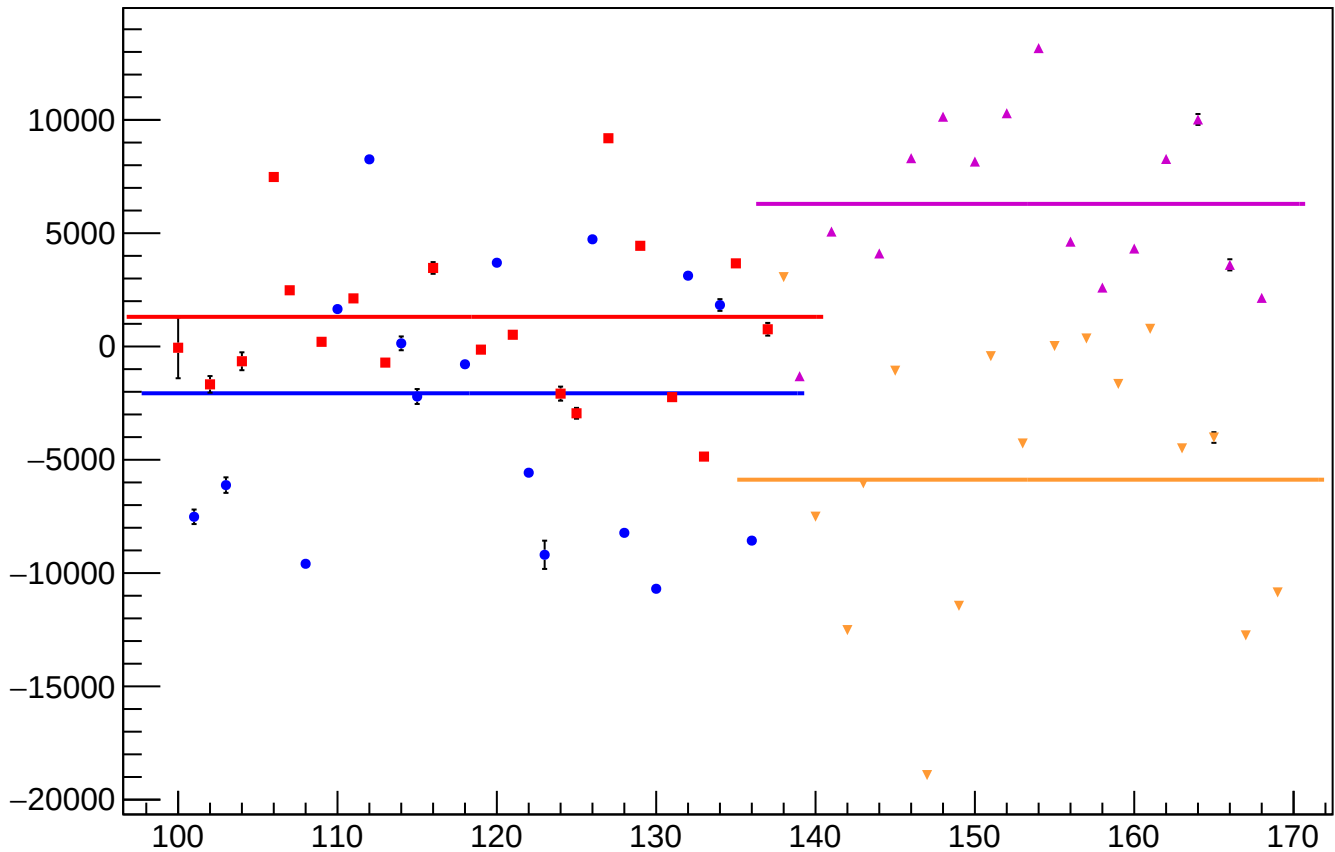
Left In: 203.967 $\pm$ 0.043 χ^2 /NDF: 423622.4/14

+ sign 223.462 $\pm$ 0.037 χ^2 /NDF: 1098724.4/33

All: 214.245 $\pm$ 0.025 χ^2 /NDF: 2531296.0/67

- sign 206.021 $\pm$ 0.035 χ^2 /NDF: 1313822.9/33

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -5878.738 ± 36.689 $\chi^2/\text{NDF}: 30027.5/16$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

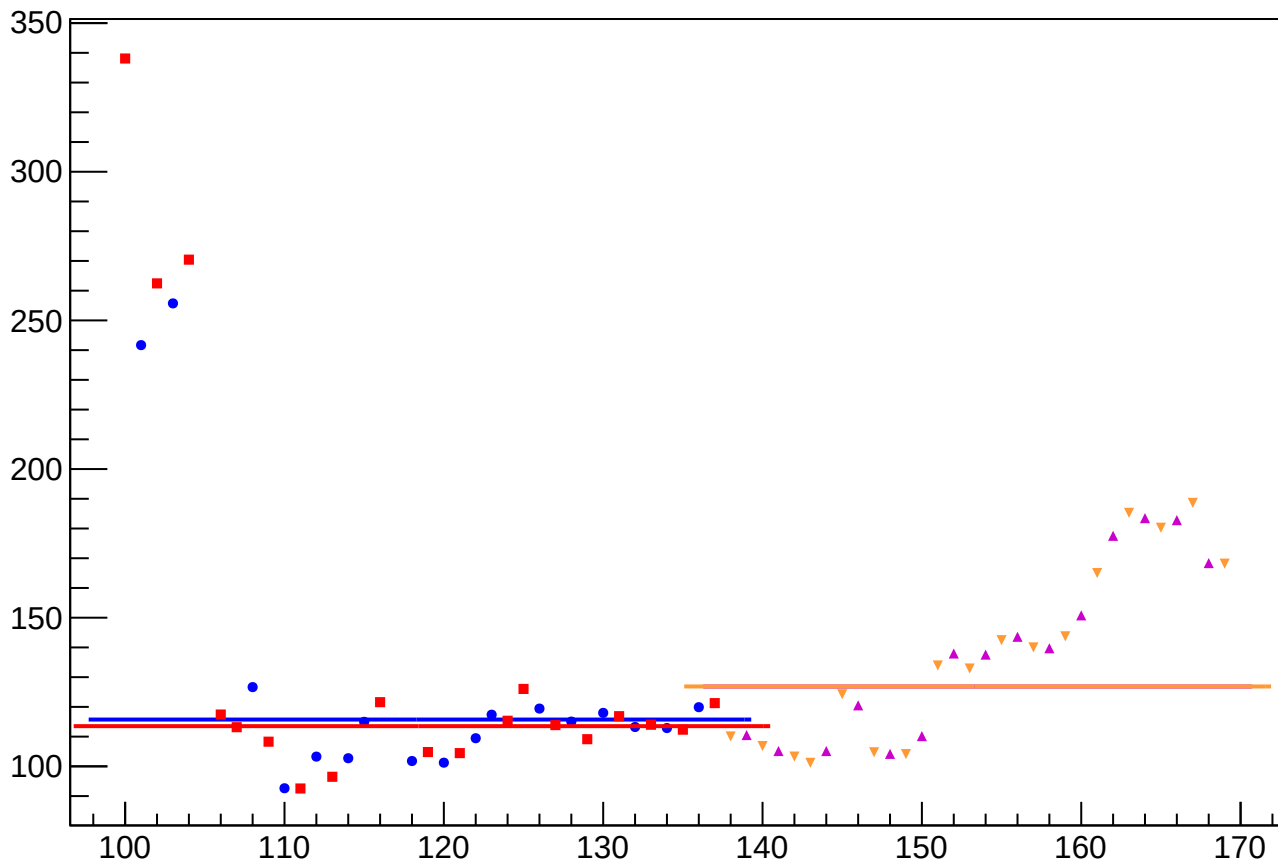
Left In: 6293.907 ± 38.085 $\chi^2/\text{NDF}: 9629.0/14$

+ sign -4447.029 ± 28.995 $\chi^2/\text{NDF}: 50617.0/33$

All: -128.160 ± 20.529 $\chi^2/\text{NDF}: 117781.1/67$

- sign 4213.362 ± 29.071 $\chi^2/\text{NDF}: 22674.5/33$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 126.871+/-0.026 χ^2/NDF :1015591.8/16

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

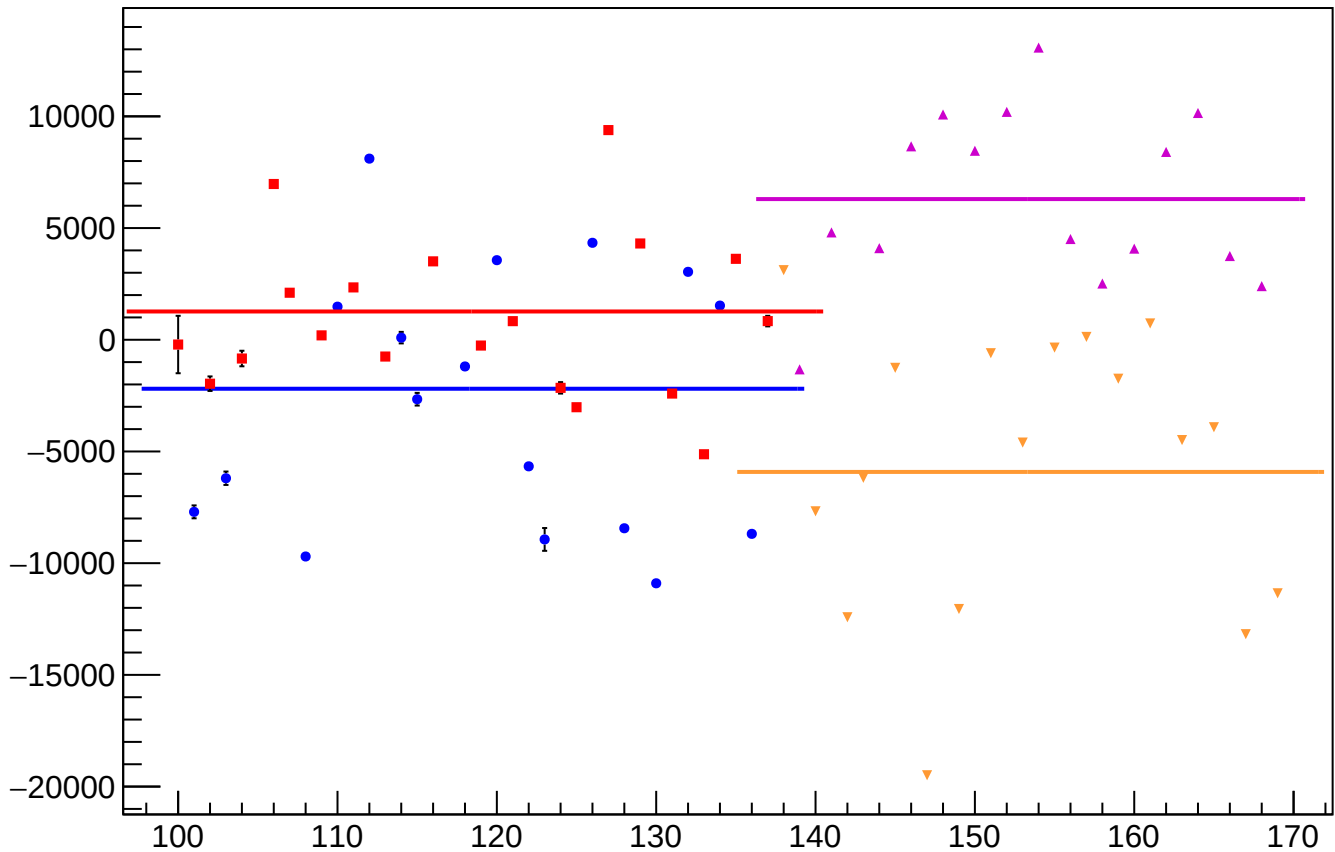
Left In: 126.842+/-0.027 χ^2/NDF :823833.5/14

+ sign 122.693+/-0.021 χ^2/NDF : 1828721.0/33

All: 121.989+/-0.015 χ^2/NDF : 3553701.5/67

- sign 121.282+/-0.021 χ^2/NDF : 1722620.0/33

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 $\pm$ 39.944 χ^2 /NDF: 22813.5/16

Left Out: -5915.499 $\pm$ 33.192 χ^2 /NDF:36830.9/16

Right Out: 1266.189 $\pm$ 38.048 χ^2 /NDF: 8550.5/18

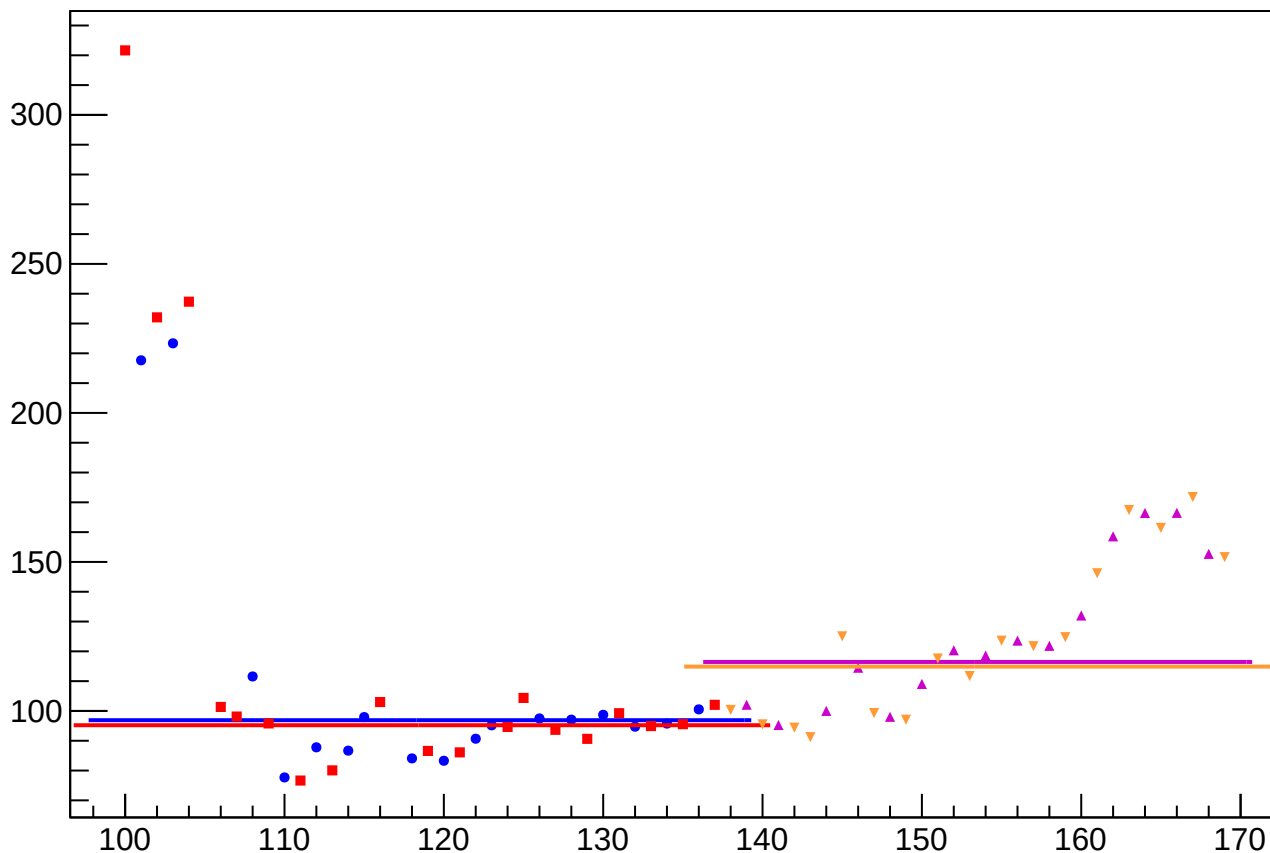
Left In: 6297.100 $\pm$ 34.864 χ^2 /NDF:11918.6/14

+ sign -4394.724 $\pm$ 25.529 χ^2 /NDF: 64783.7/33

All: -225.728 $\pm$ 18.113 χ^2 /NDF: 148463.9/67

- sign 4000.944 $\pm$ 25.705 χ^2 /NDF: 29972.9/33

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 114.881+/-0.023 χ^2/NDF : 919953.3/16

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

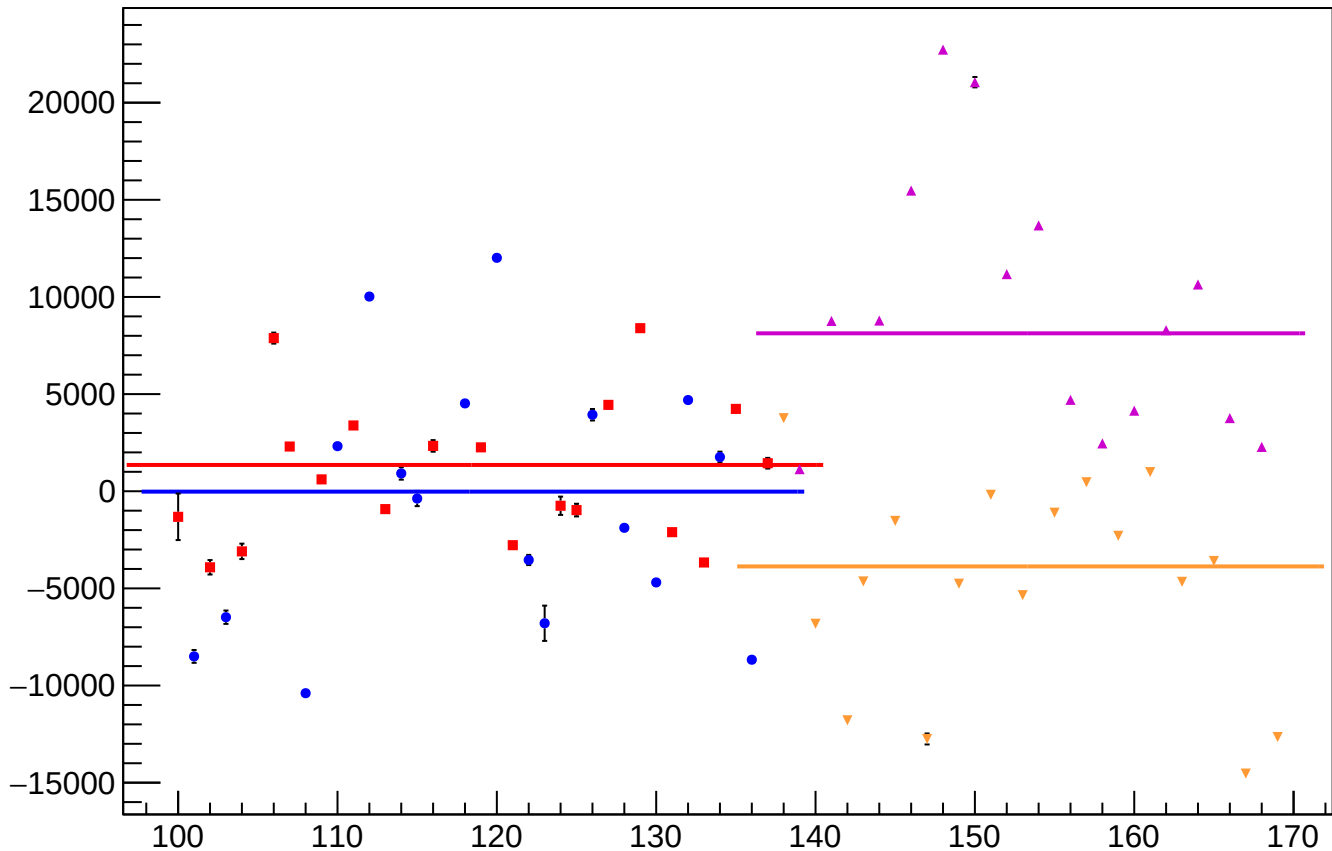
Left In: 116.441+/-0.025 χ^2/NDF : 654484.8/14

+ sign 107.534+/-0.018 χ^2/NDF : 1977075.4/33

All: 107.146+/-0.013 χ^2/NDF : 3830696.4/67

- sign 106.752+/-0.018 χ^2/NDF : 1852690.8/33

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -3869.232 ± 45.729 χ^2/NDF : 11656.4/16

Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

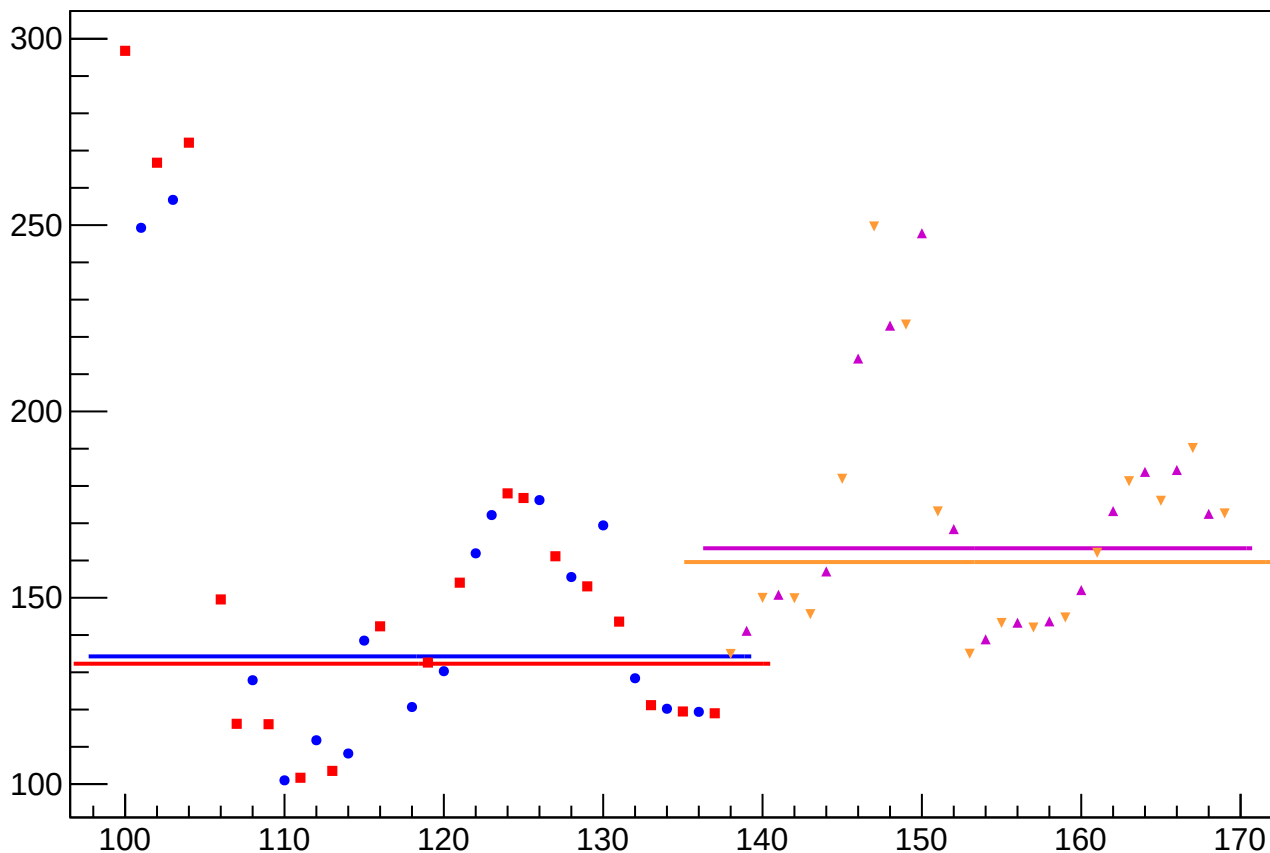
Left In: 8128.480 ± 48.849 χ^2/NDF : 13429.5/14

+ sign -2283.795 ± 35.069 χ^2/NDF : 30935.8/33

All: 1279.366 ± 25.025 χ^2/NDF : 78186.4/67

- sign 4976.121 ± 35.721 χ^2/NDF : 26216.8/33

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 159.583 $\pm$ 0.032 χ^2 /NDF: 630045.6/16

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

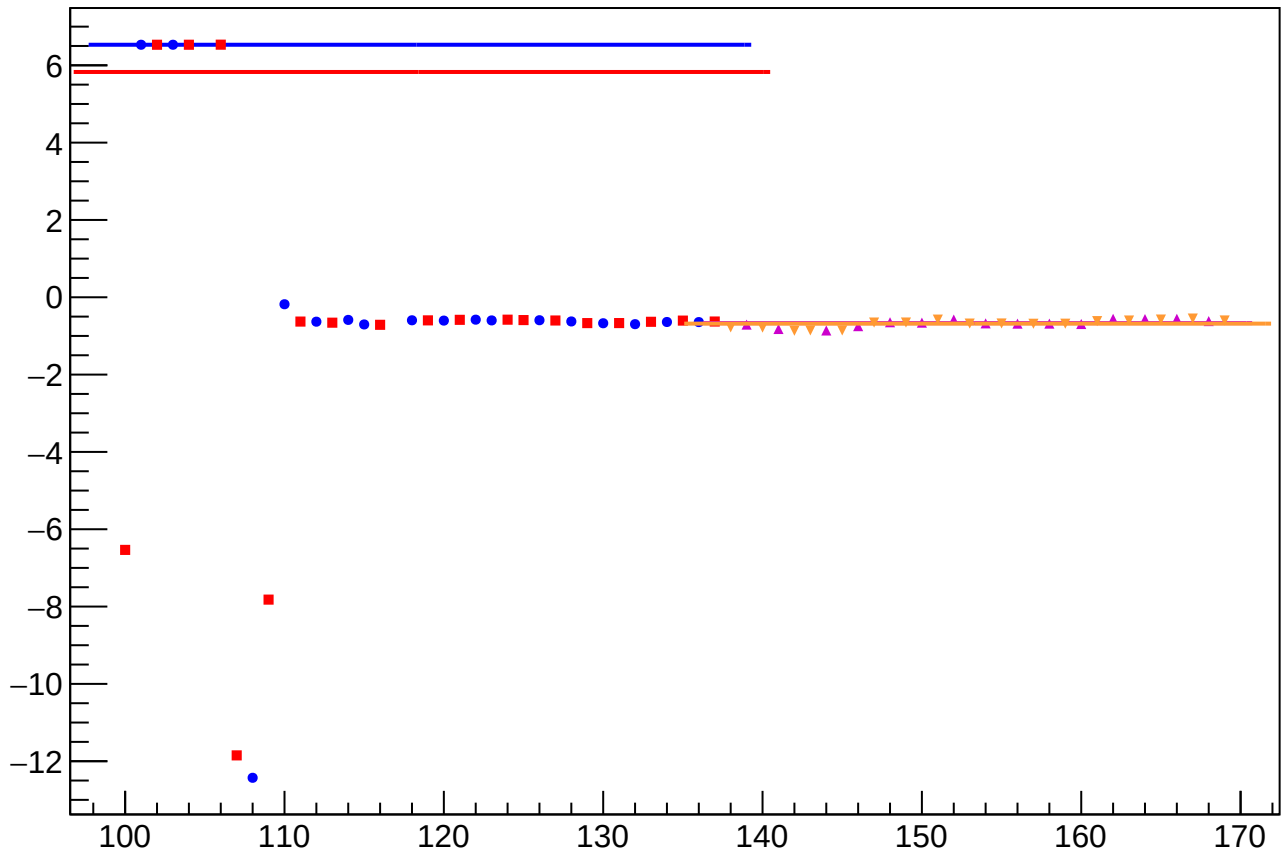
Left In: 163.283 $\pm$ 0.035 χ^2 /NDF: 609373.4/14

+ sign 149.156 $\pm$ 0.025 χ^2 /NDF: 1671159.2/33

All: 149.015 $\pm$ 0.018 χ^2 /NDF: 3524798.1/67

- sign 148.868 $\pm$ 0.025 χ^2 /NDF: 1853572.6/33

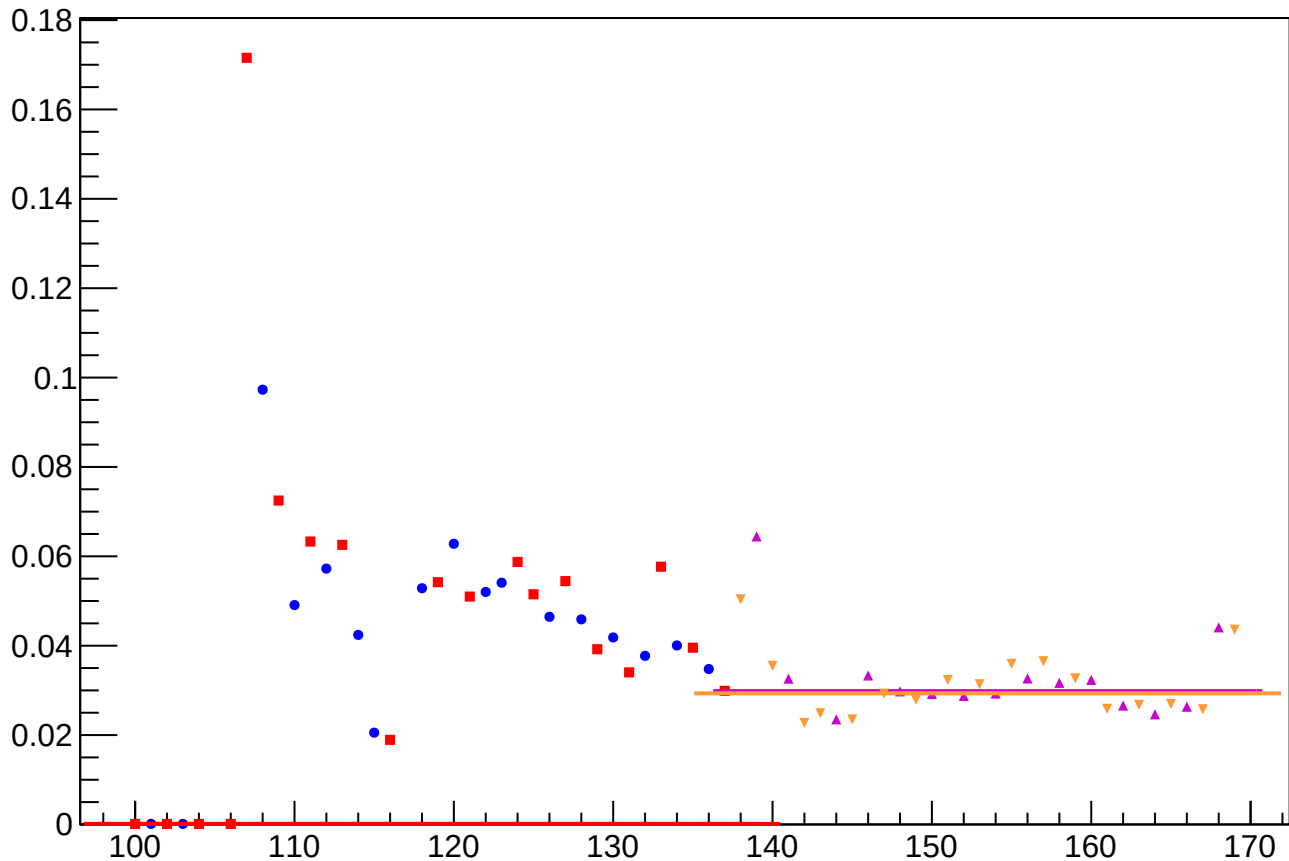
yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16
 Left Out: -0.682 $\pm$ 0.000 χ^2 /NDF: 126273658.0/16
 Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755948646460090.5/18
 Left In: -0.669 $\pm$ 0.000 χ^2 /NDF: 95181895.6/14

+ sign 6.531 $\pm$ 0.000 χ^2 /NDF: 730002898583.8/33
 All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77710514233558
 - sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756387767863802.6/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.029+/-0.000 χ^2/NDF : 727095.0/16

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

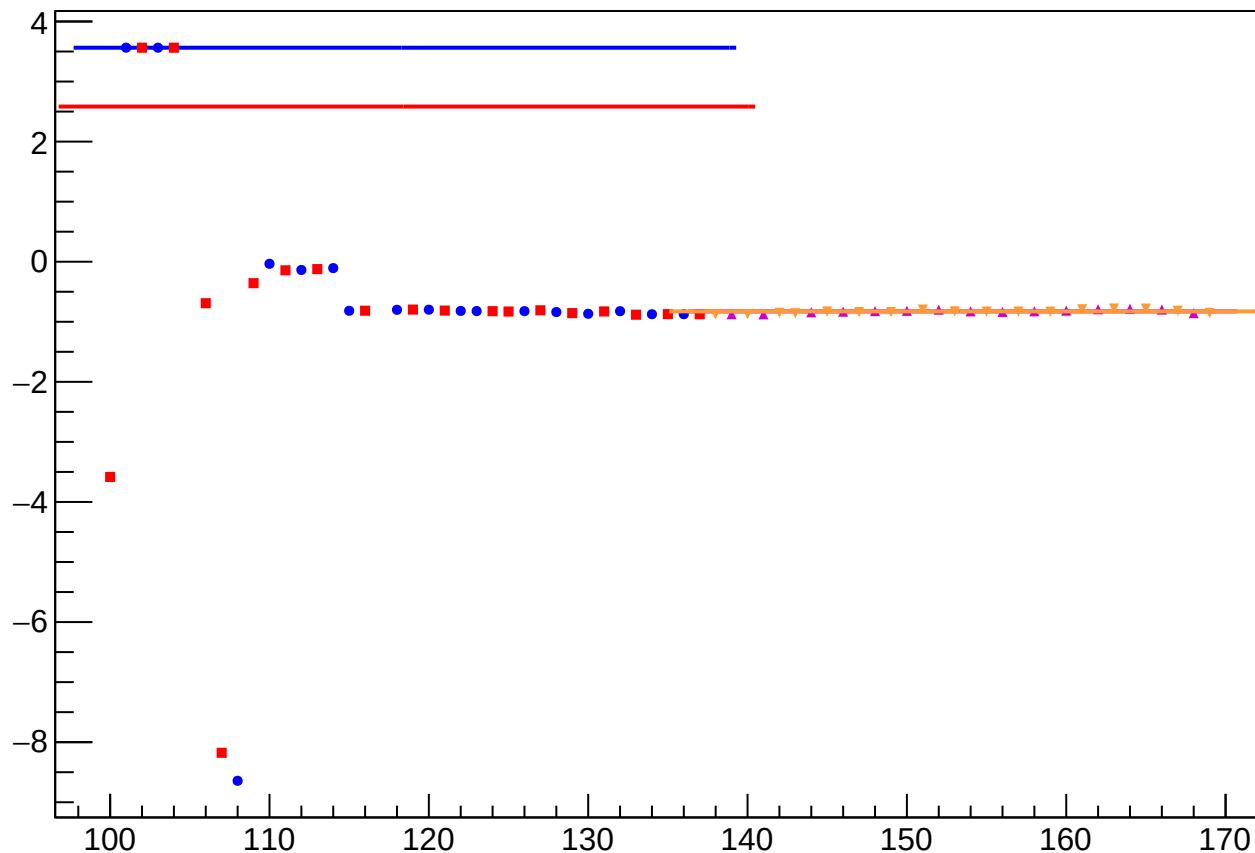
Left In: 0.030+/-0.000 χ^2/NDF : 739528.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 29502853.9/33

All: 0.000+/-0.000 χ^2/NDF : 57993033.1/67

- sign 0.000+/-0.000 χ^2/NDF : 28489600.7/33

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.827+/-0.000 χ^2/NDF : 130574965.9/16

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

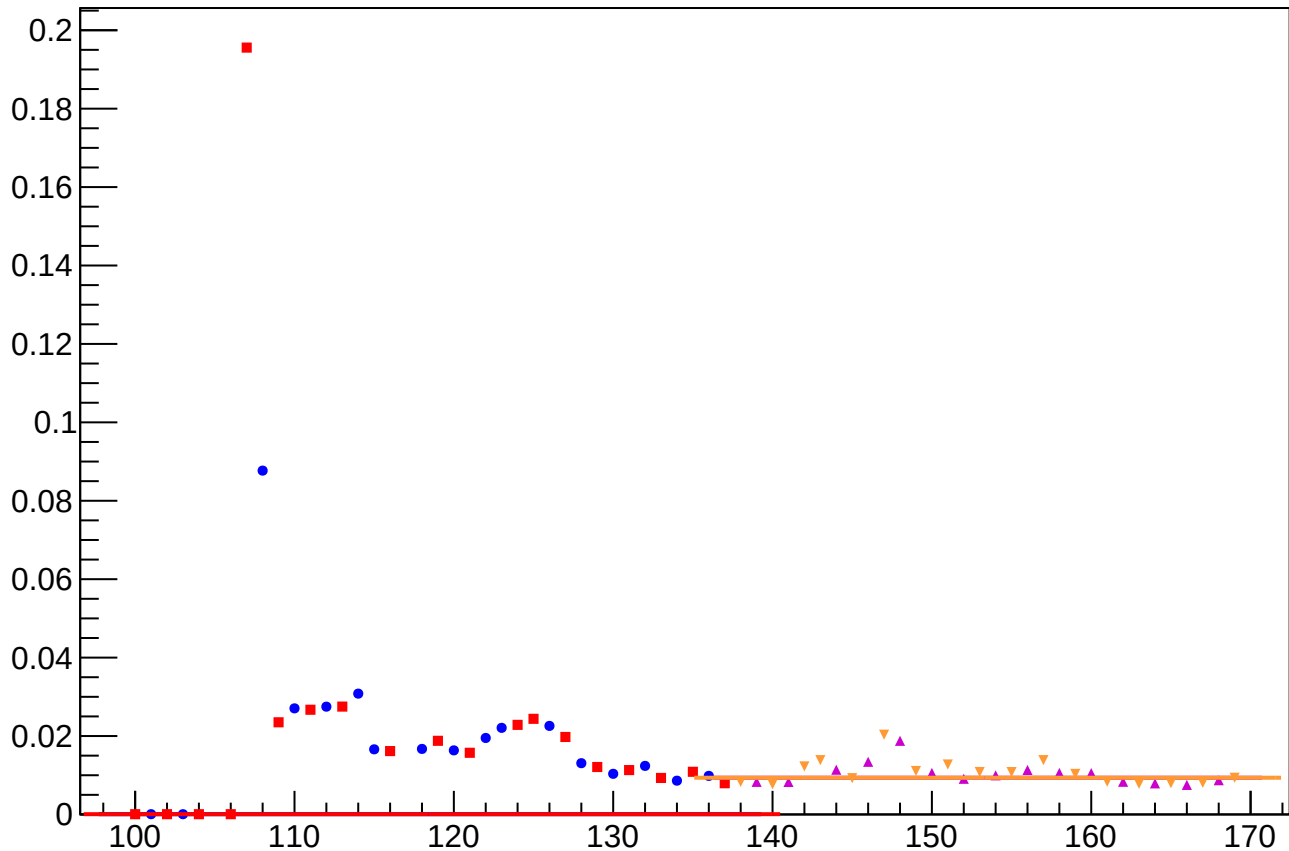
Left In: -0.827+/-0.000 χ^2/NDF : 107730139.5/14

+ sign 3.561+/-0.000 χ^2/NDF : 2696096453740.7/33

All: 3.039+/-0.000 χ^2/NDF : 13855637043130

- sign 2.582+/-0.000 χ^2/NDF : 1254738902689275.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1059703.4/16

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

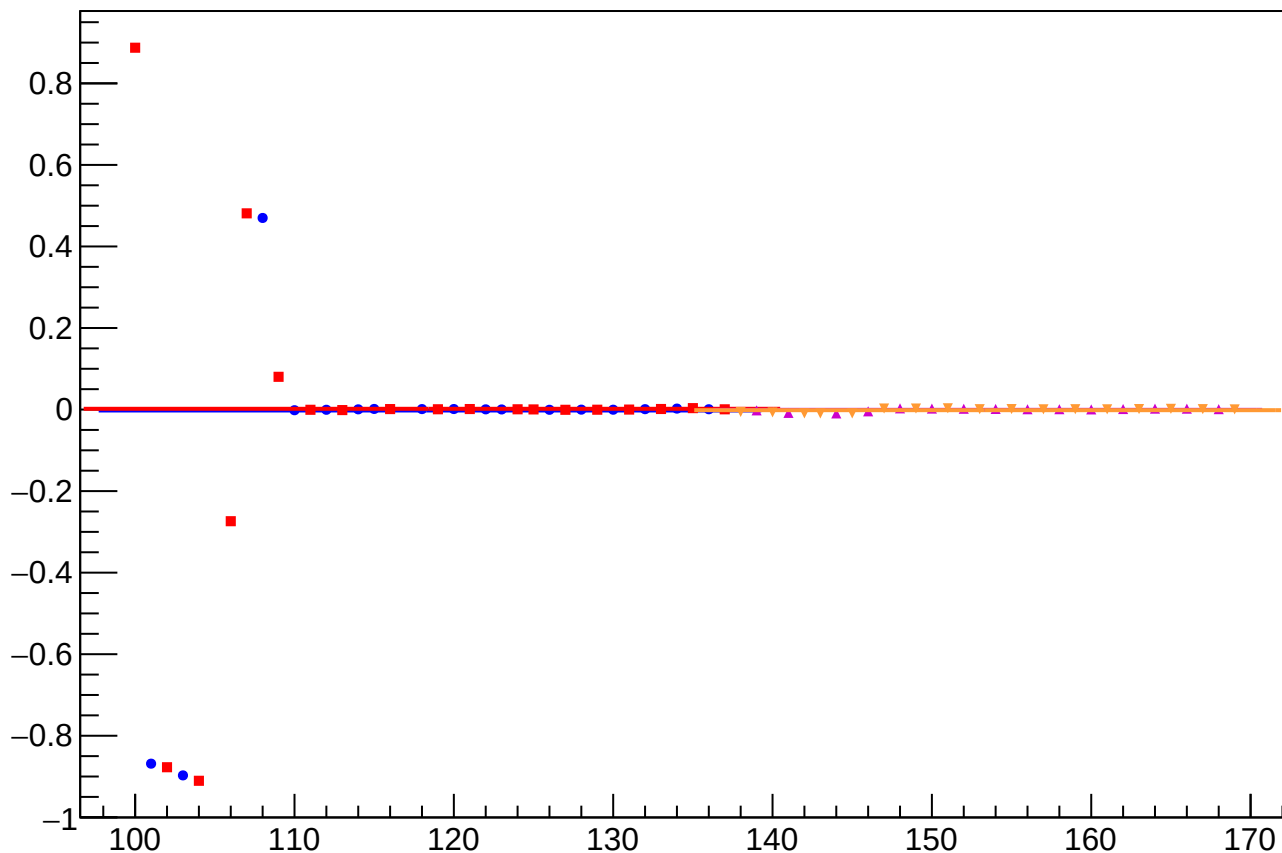
Left In: 0.009+/-0.000 χ^2/NDF : 756147.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 30716783.5/33

All: 0.000+/-0.000 χ^2/NDF : 59669762.4/67

- sign 0.000+/-0.000 χ^2/NDF : 28952071.0/33

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.002 ± 0.000 χ^2/NDF : 92984595.9/16

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041331104.7/18

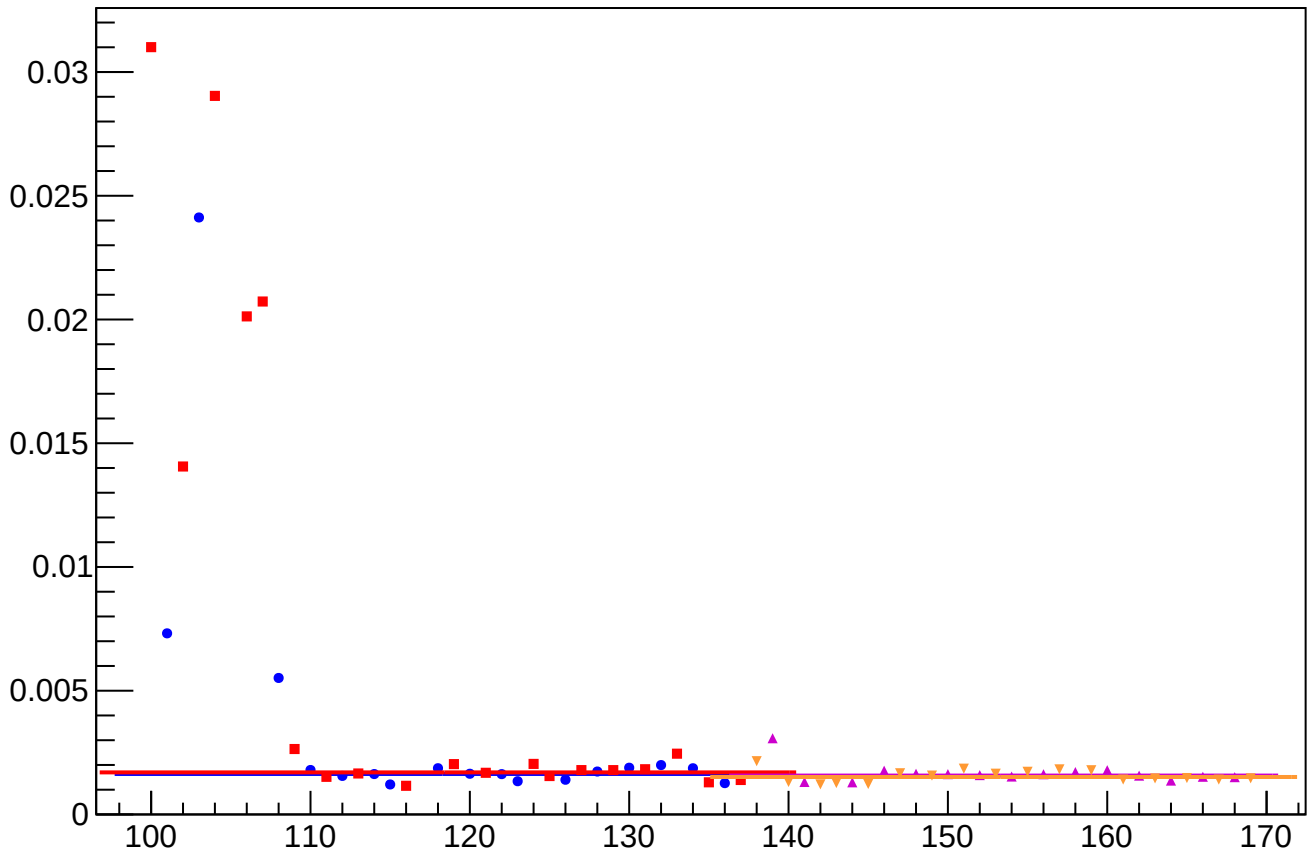
Left In: -0.001 ± 0.000 χ^2/NDF : 66520757.8/14

+ sign -0.002 ± 0.000 χ^2/NDF : 9889092859.0/33

All: -0.001 ± 0.000 χ^2/NDF : 13013074535.7/33

- sign 0.000 ± 0.000 χ^2/NDF : 3115110478.5/33

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 429899.6/16

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

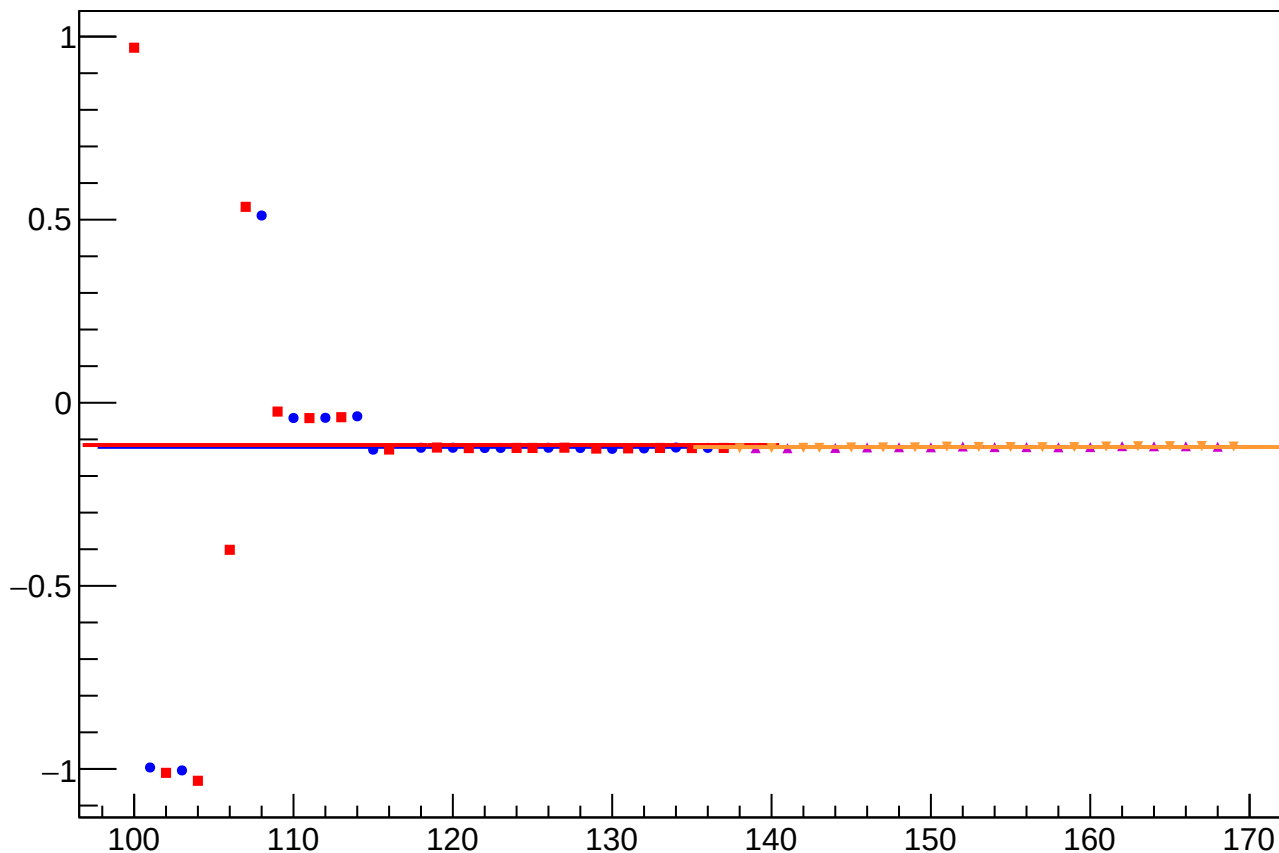
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 501283.8/14

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2385694.9/33

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5969421.6/67

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3562983.1/33

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.121+/-0.000 χ^2/NDF : 31962750.6/16

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

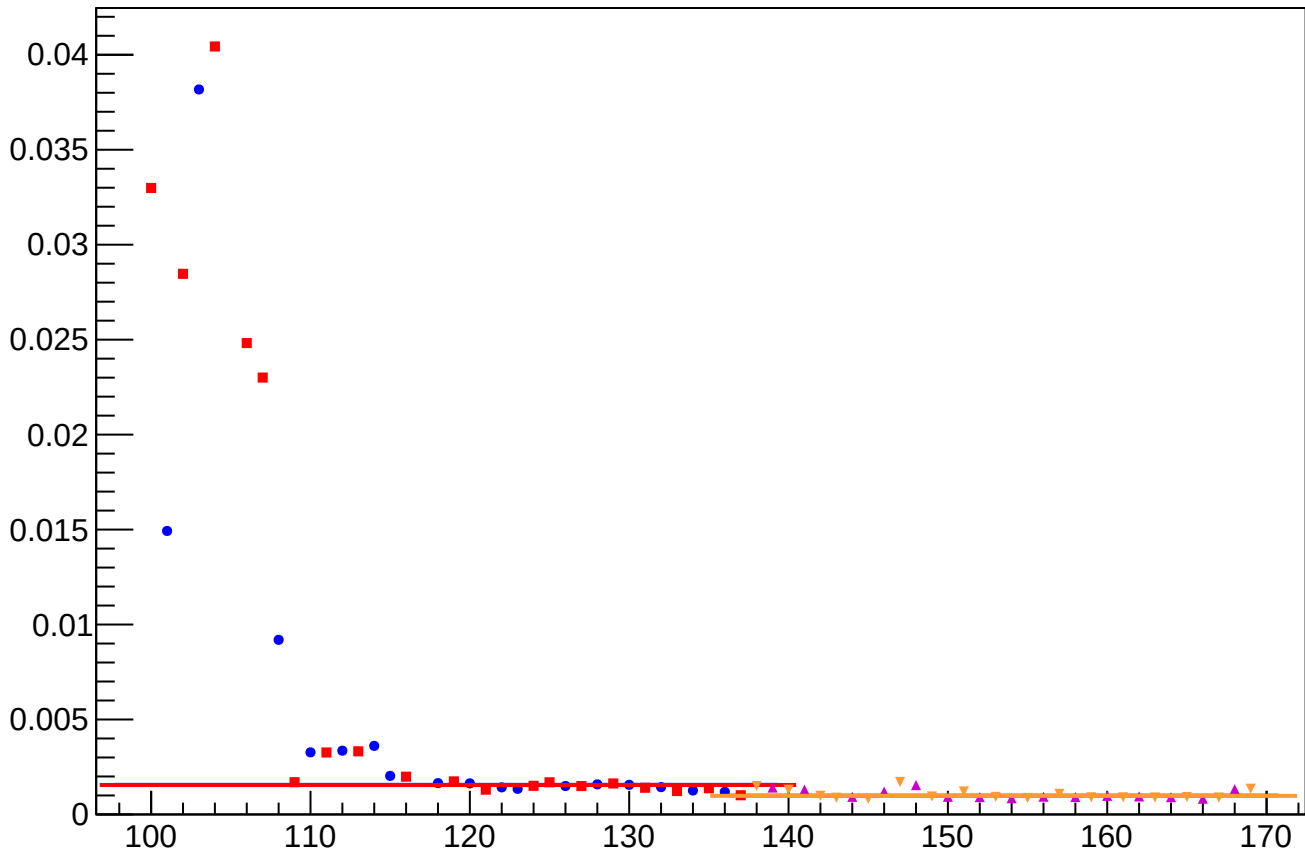
Left In: -0.121+/-0.000 χ^2/NDF : 27822299.2/14

+ sign -0.121+/-0.000 χ^2/NDF : 3964666923.3/33

All: -0.120+/-0.000 χ^2/NDF : 6500612970.3/6

- sign -0.120+/-0.000 χ^2/NDF : 2532459081.2/33

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2903607.4/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:841339.6/16

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

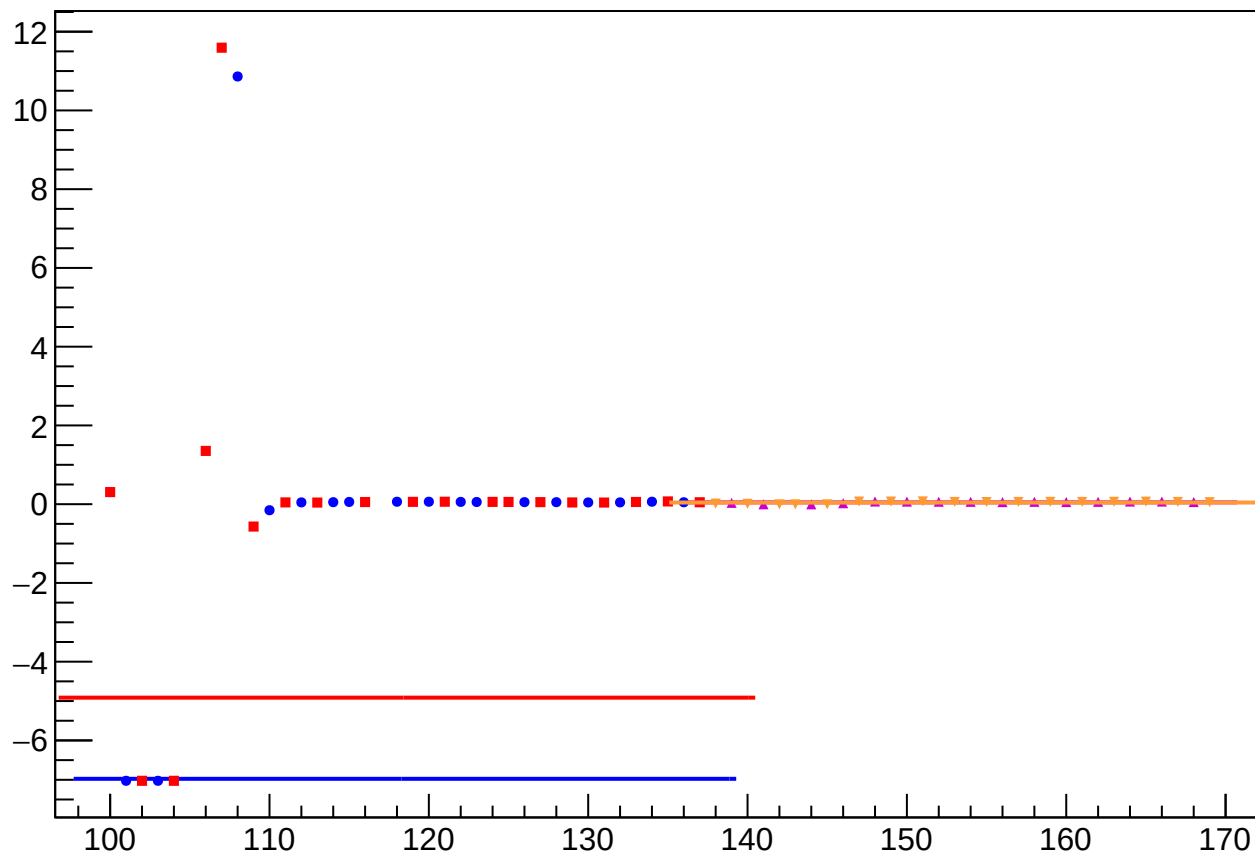
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:668226.2/14

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4841719.9/33

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10068072.8/67

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5223009.1/33

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.042+/-0.000 χ^2/NDF : 94350398.3/16

Right Out: -4.914+/-0.000 χ^2/NDF : 365362215369689.4/18

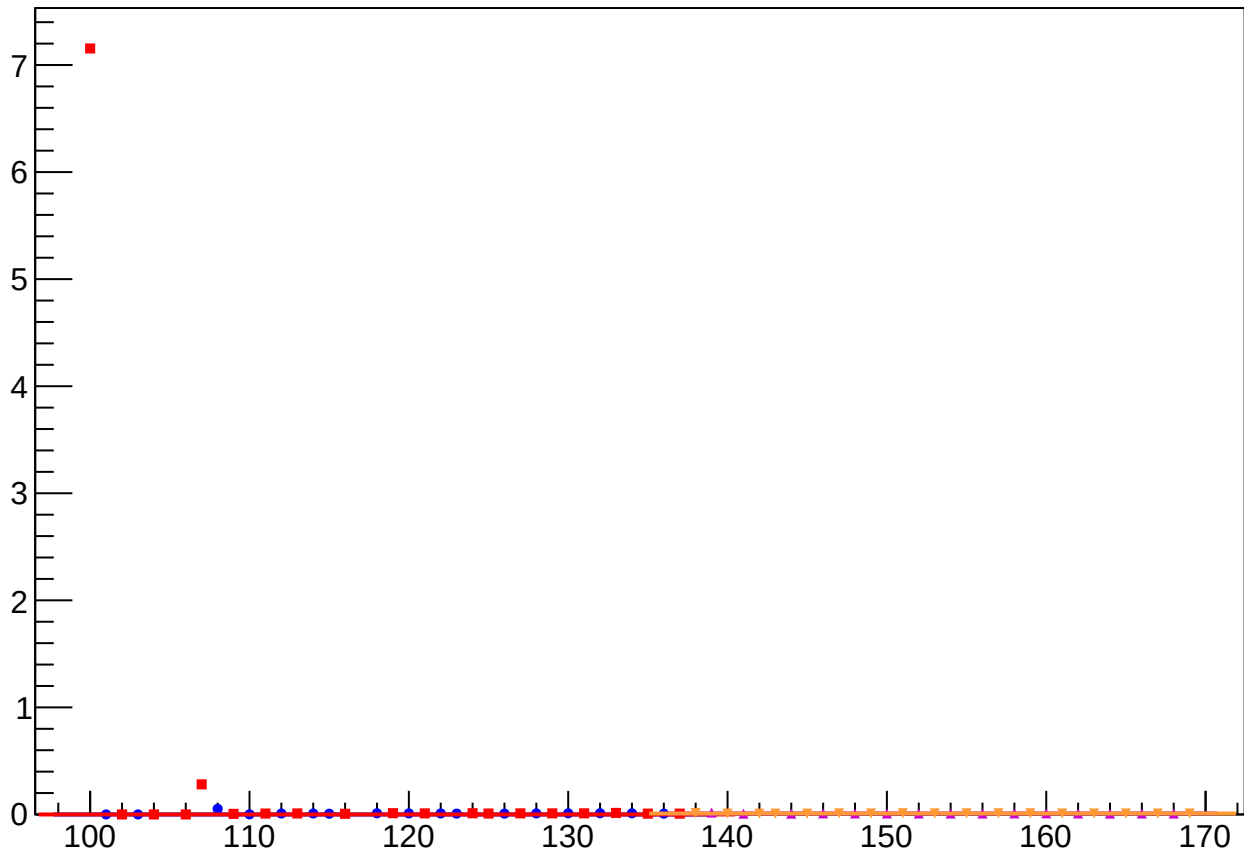
Left In: 0.046+/-0.000 χ^2/NDF : 74048055.1/14

+ sign -6.940+/-0.000 χ^2/NDF : 14982990511256.4/16

All: -5.873+/-0.000 χ^2/NDF : 4386312289042.0/16

- sign -4.894+/-0.000 χ^2/NDF : 368040275534769.0/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.009+/-0.000 χ^2/NDF : 422901.9/16

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

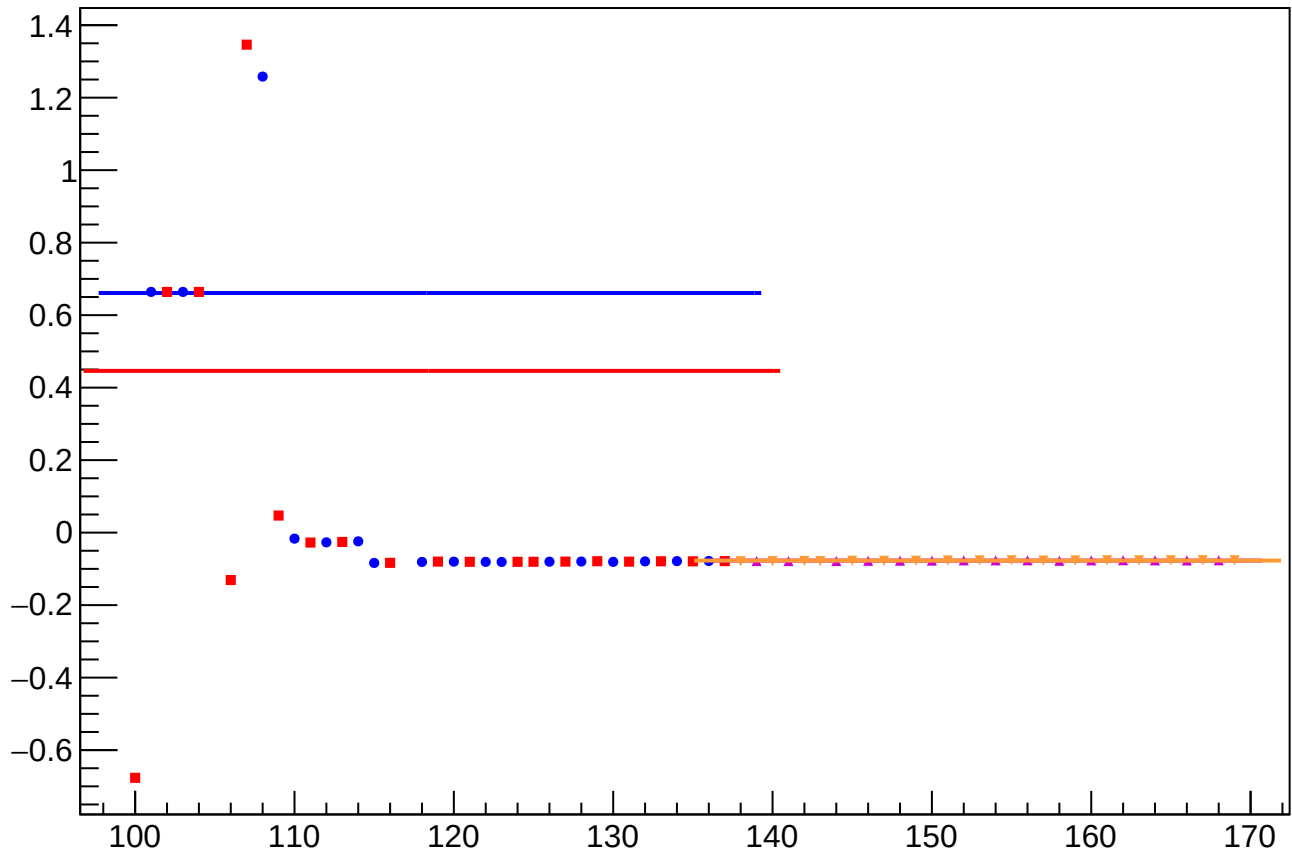
Left In: 0.009+/-0.000 χ^2/NDF : 495130.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 28076274.9/33

All: 0.000+/-0.000 χ^2/NDF : 55399267.8/67

- sign 0.000+/-0.000 χ^2/NDF : 27319680.9/33

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 : 32189929.1/16

Right Out: 0.446±/-0.000 χ^2/NDF : 405428604683882.5/18

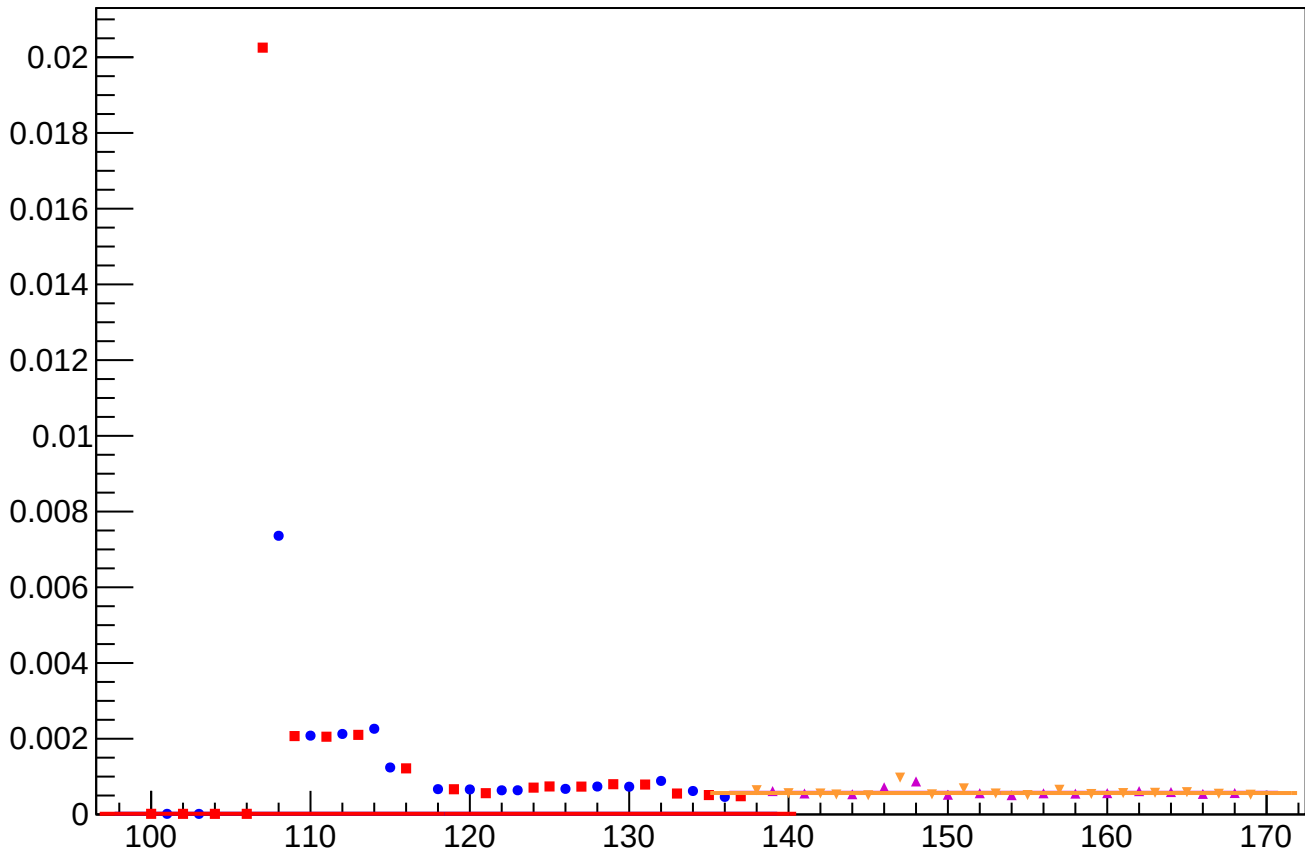
Left In: -0.077±/-0.000 χ^2/NDF : 21530584.7/14

+ sign 0.651±/-0.000 χ^2/NDF : 25768217666742.8/3

All: 0.541±/-0.000 χ^2/NDF : 50158081443492

- sign 0.440±/-0.000 χ^2/NDF : 414600762579956.5/18

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 : 423394.6/16

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

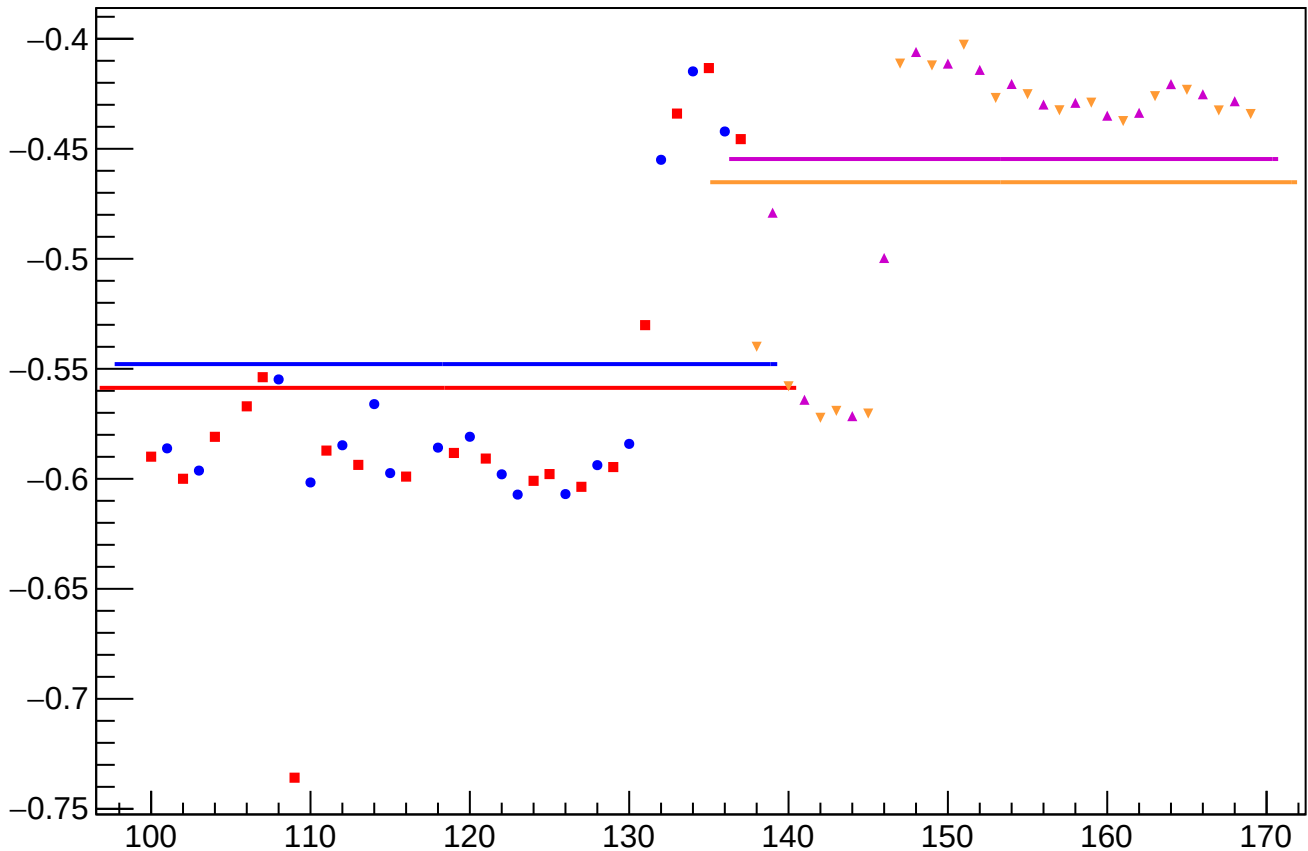
Left In: 0.001+/-0.000 χ^2/NDF : 315673.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 32527722.8/33

All: 0.000+/-0.000 χ^2/NDF : 62891306.8/67

- sign 0.000+/-0.000 χ^2/NDF : 30358738.4/33

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2 /NDF: 48579920.8/16

Left Out: -0.465+/-0.000 χ^2 /NDF: 103880331.2/16

Right Out: -0.559+/-0.000 χ^2 /NDF: 65682293.5/18

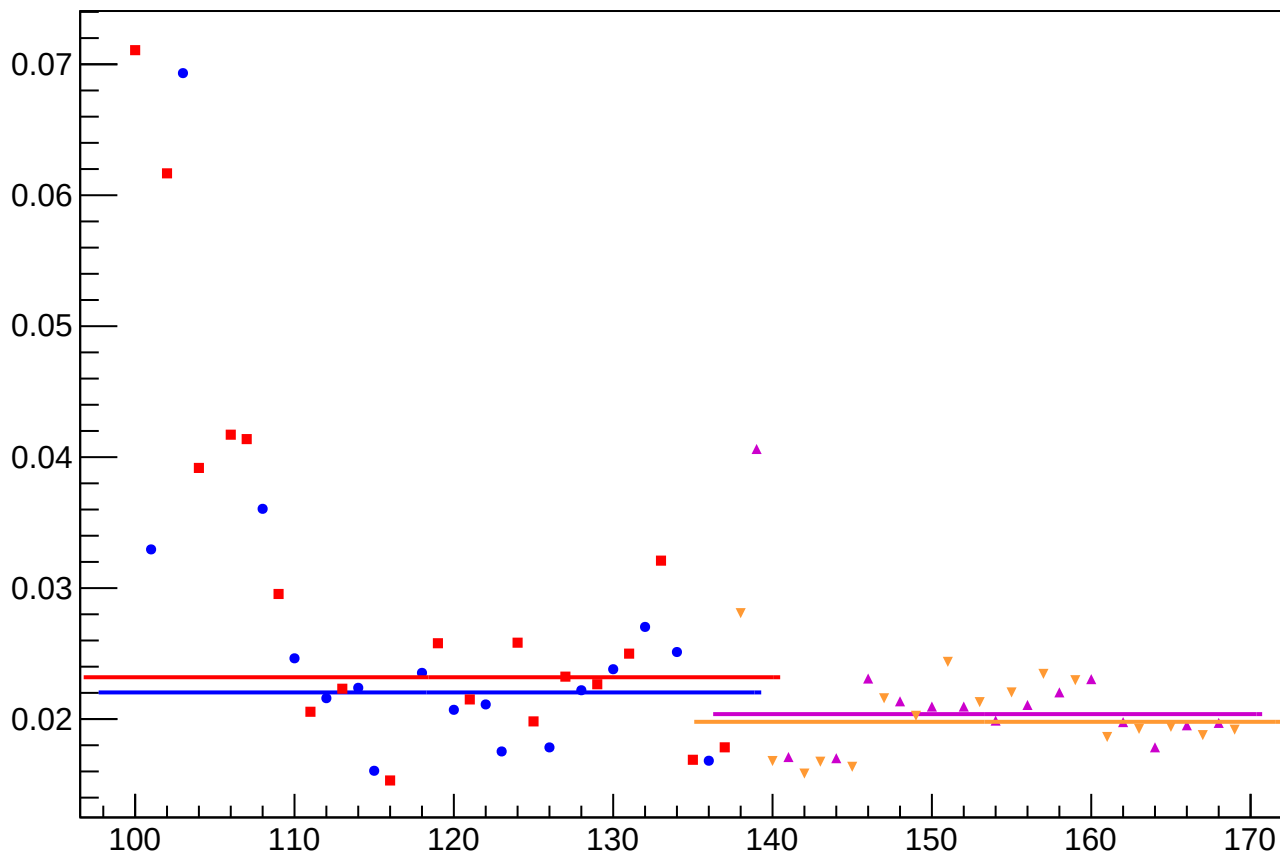
Left In: -0.455+/-0.000 χ^2 /NDF: 73926925.4/14

+ sign -0.489+/-0.000 χ^2 /NDF: 203462404.4/33

All: -0.488+/-0.000 χ^2 /NDF: 417707936.2/67

- sign -0.486+/-0.000 χ^2 /NDF: 214112815.4/33

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 958966.6/16

Left Out: 0.020 ± 0.000 χ^2/NDF : 398935.2/16

Right Out: 0.023 ± 0.000 χ^2/NDF : 1156989.7/18

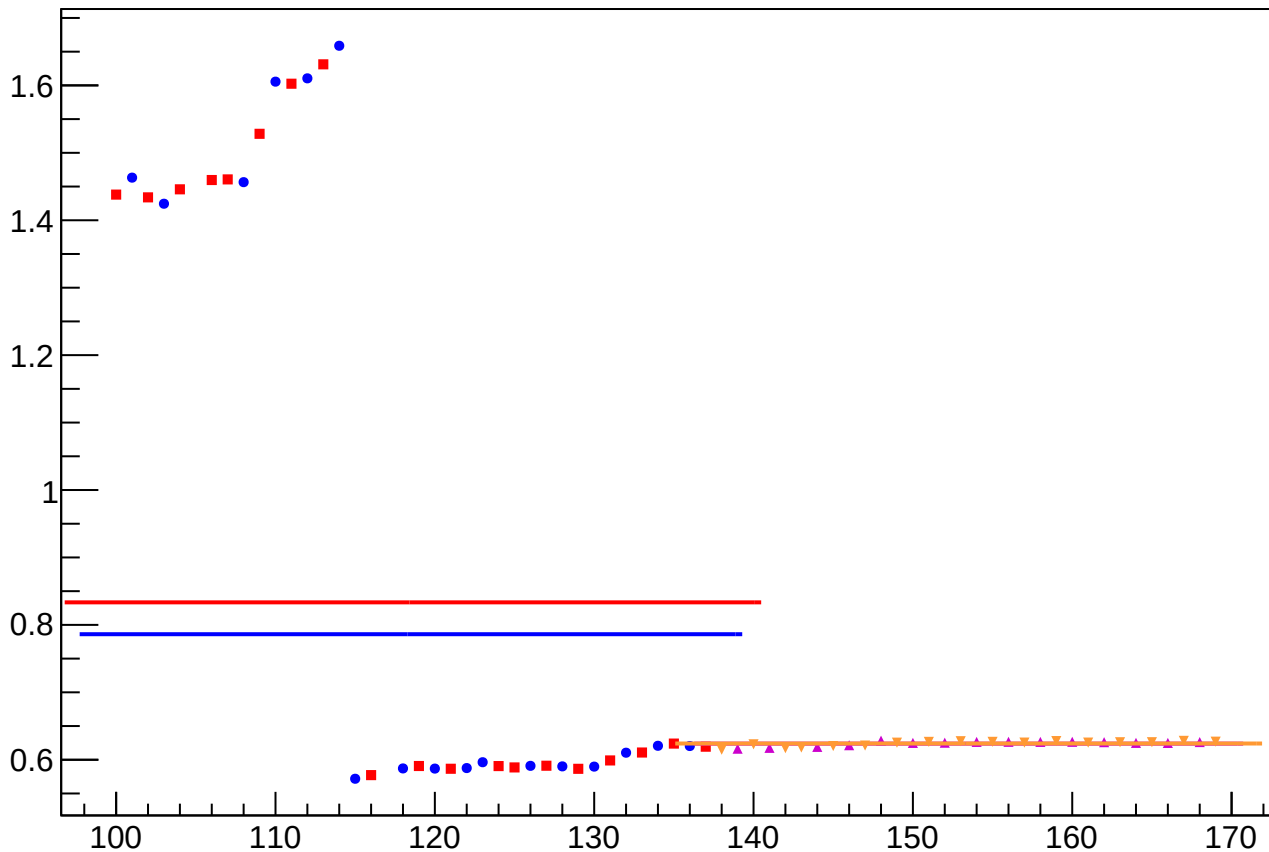
Left In: 0.020 ± 0.000 χ^2/NDF : 502653.0/14

+ sign 0.020 ± 0.000 χ^2/NDF : 1433035.2/33

All: 0.021 ± 0.000 χ^2/NDF : 3223575.5/67

- sign 0.021 ± 0.000 χ^2/NDF : 1768839.8/33

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.624 $\pm$ 0.000 χ^2 /NDF:1185978.1/16

+ sign 0.668 $\pm$ 0.000 χ^2 /NDF: 4145253959.0/33

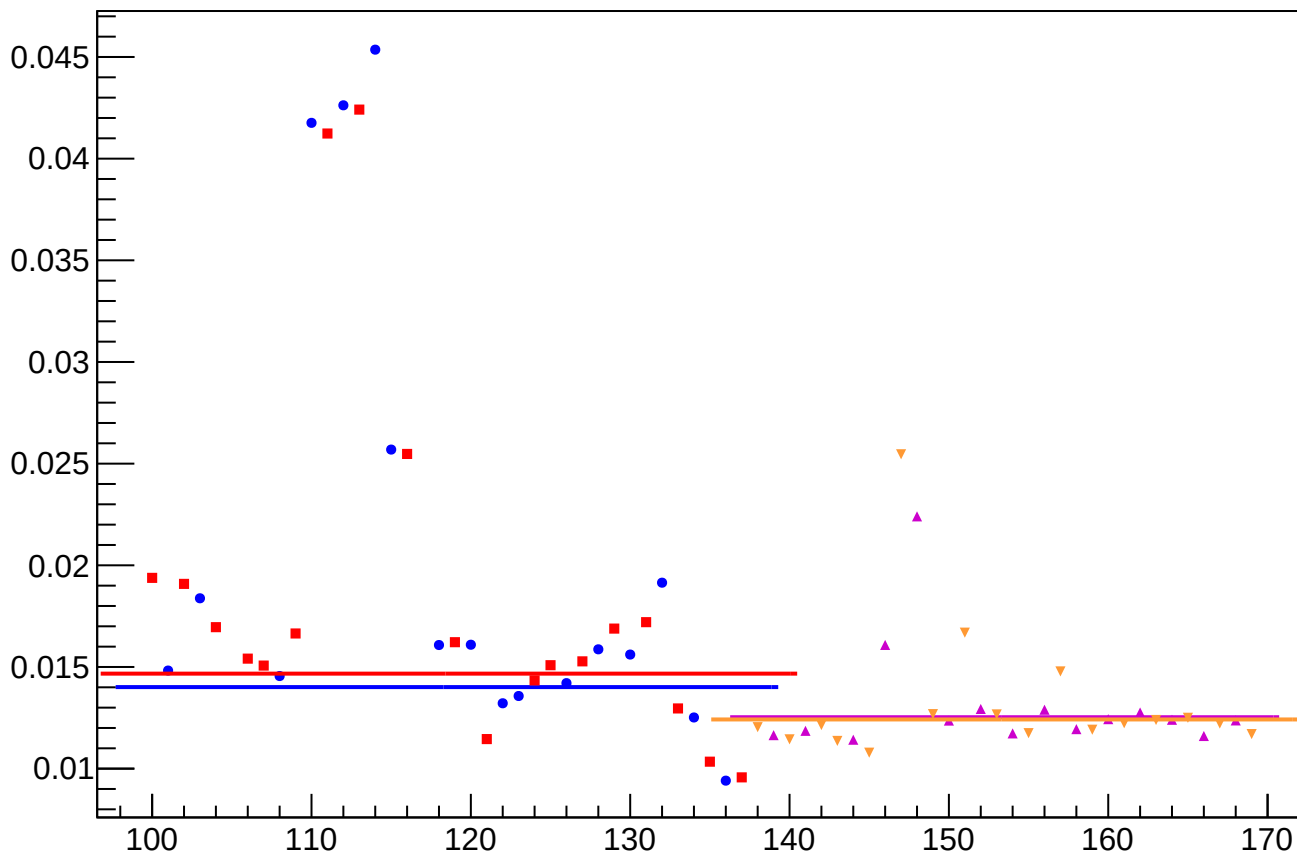
Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4156812252.4/18

All: 0.675 $\pm$ 0.000 χ^2 /NDF: 9194769678.8/67

- sign 0.683 $\pm$ 0.000 χ^2 /NDF: 5038009059.7/33

Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:918028.2/14

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:595532.4/16

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

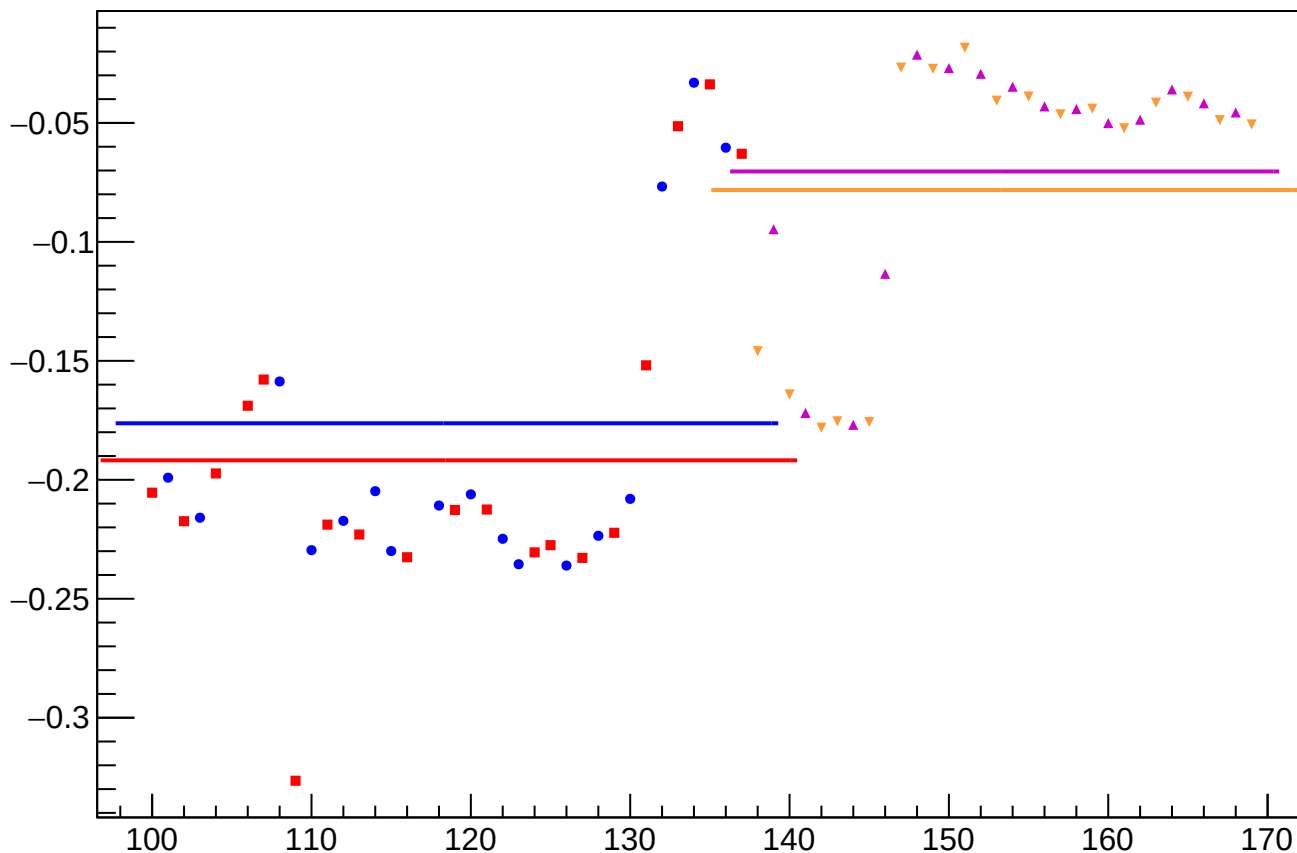
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:417293.6/14

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2107229.5/33

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3980482.9/67

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1865021.7/33

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.078+/-0.000 χ^2/NDF : 99041199.2/16

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

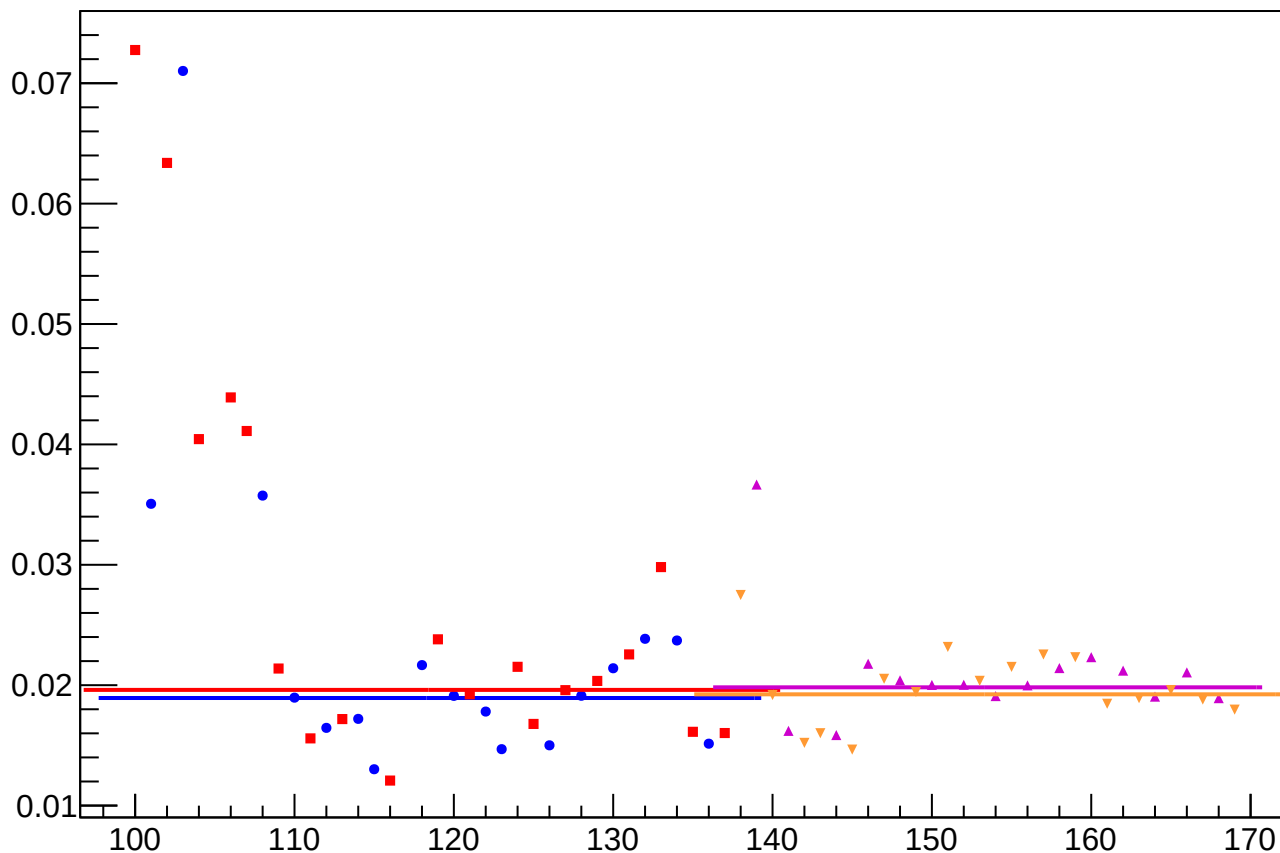
Left In: -0.070+/-0.000 χ^2/NDF : 74205612.2/14

+ sign -0.111+/-0.000 χ^2/NDF : 258270490.4/33

All: -0.113+/-0.000 χ^2/NDF : 544049130.7/67

- sign -0.114+/-0.000 χ^2/NDF : 285620954.7/33

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 425653.6/16

Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

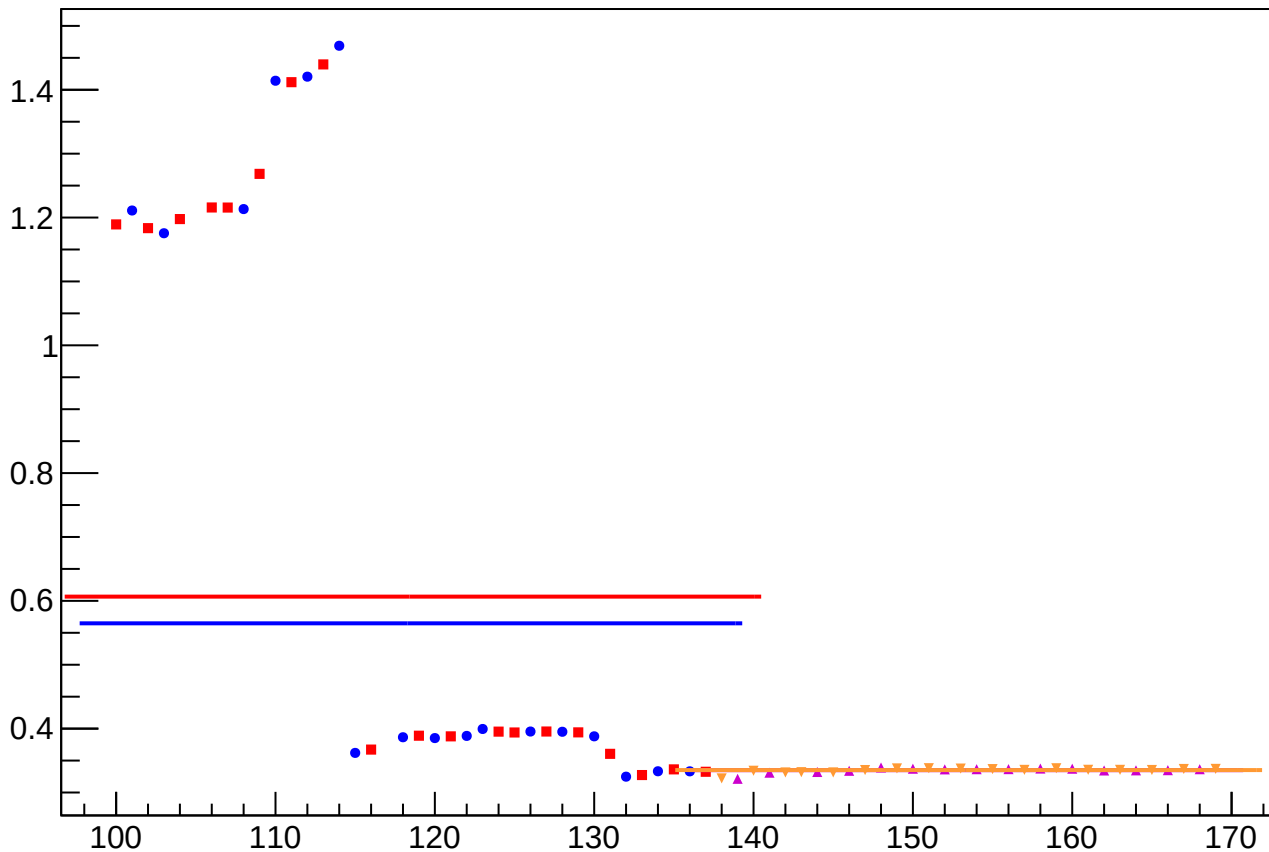
Left In: 0.020+/-0.000 χ^2/NDF : 475726.0/14

+ sign 0.019+/-0.000 χ^2/NDF : 1633248.9/33

All: 0.019+/-0.000 χ^2/NDF : 3581977.6/67

- sign 0.020+/-0.000 χ^2/NDF : 1934172.3/33

yield_bpm4eY_mean vs Slug



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1124225.9/16

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5513752213.8/18

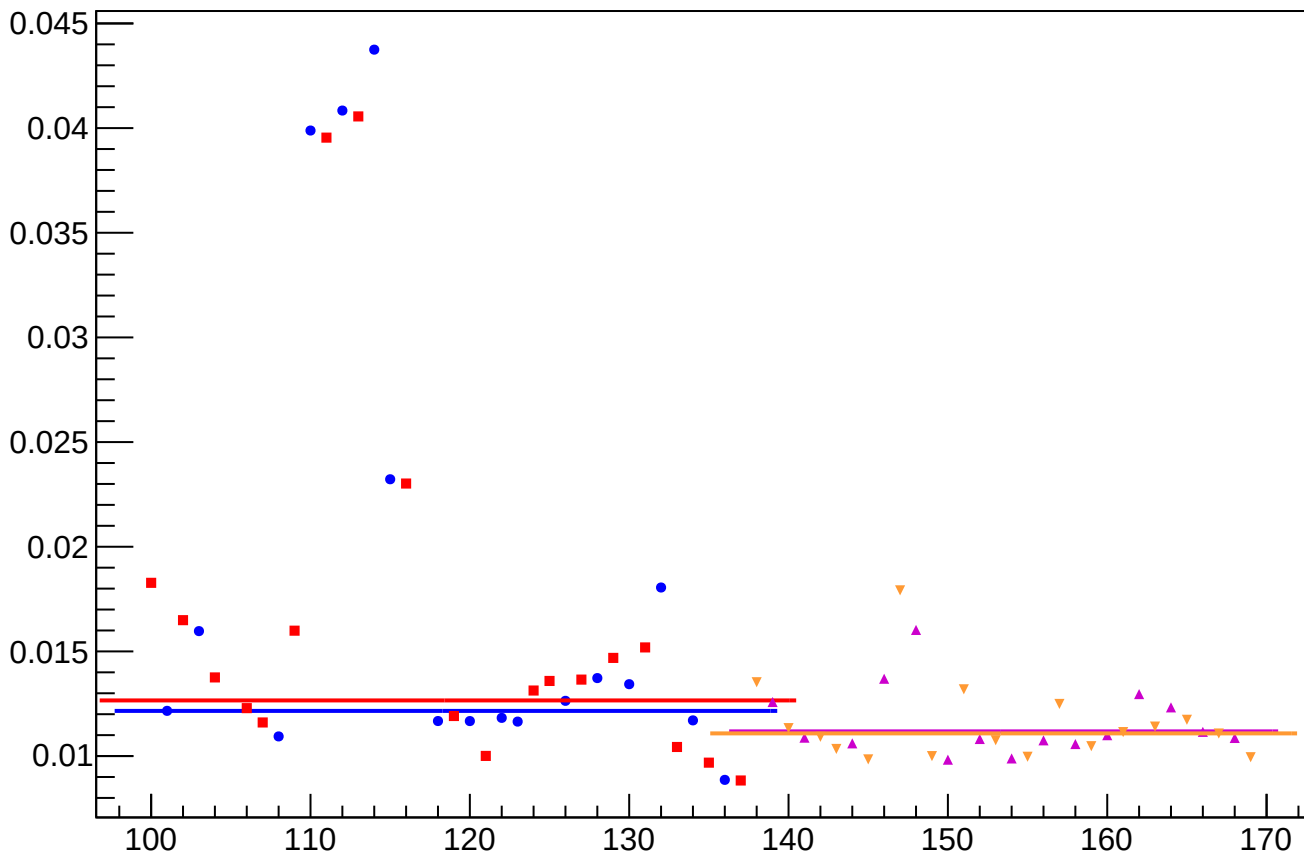
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1171085.0/14

+ sign 0.400 $\pm$ 0.000 χ^2 /NDF: 6484458011.2/33

All: 0.407 $\pm$ 0.000 χ^2 /NDF: 13932014607.3/66

- sign 0.415 $\pm$ 0.000 χ^2 /NDF: 7433498846.9/33

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 420538.4/16

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

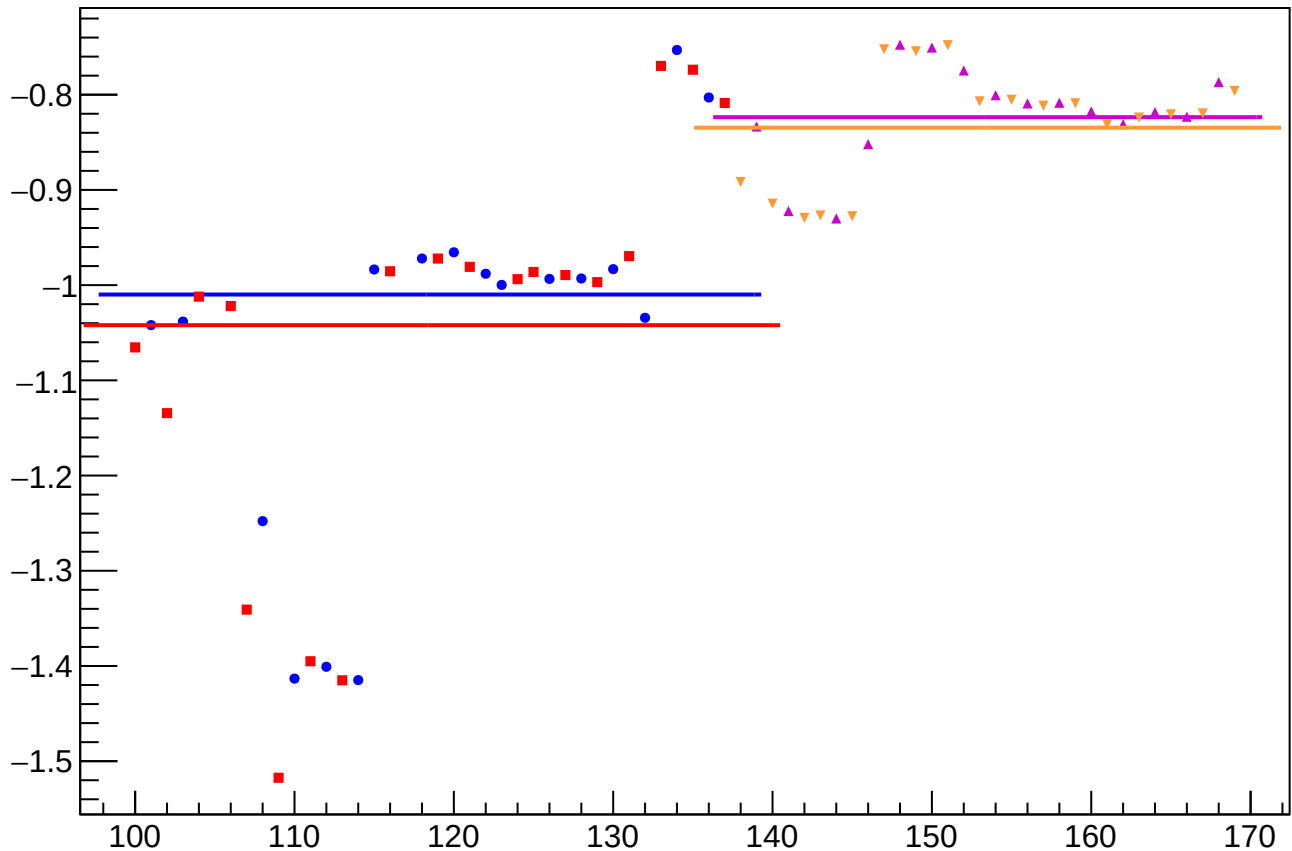
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 322729.5/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1793956.0/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3507765.3/67

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1707106.2/33

yield_bpm4acX_mean vs Slug



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.835+/-0.000 χ^2/NDF : 96526750.1/16

Right Out: -1.042+/-0.000 χ^2/NDF : 530106141.8/18

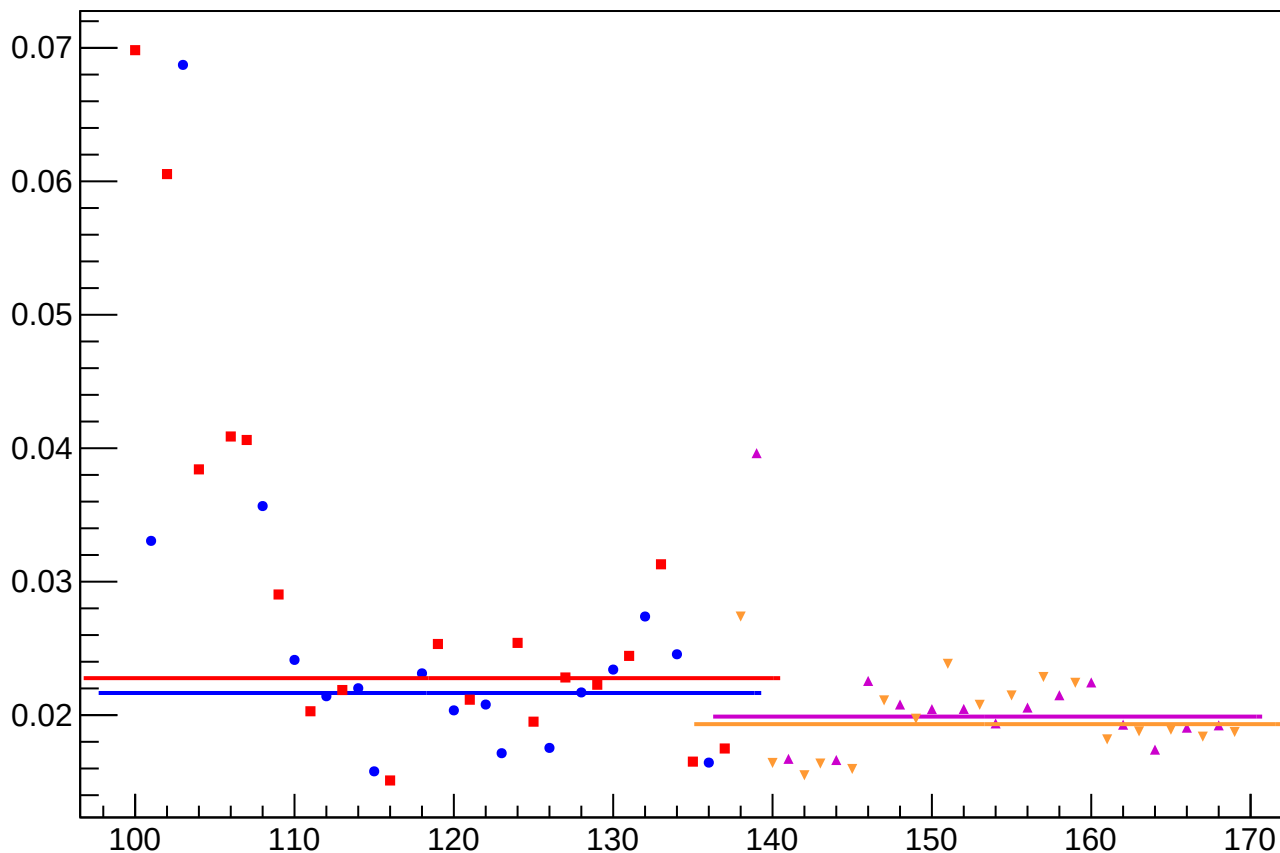
Left In: -0.824+/-0.000 χ^2/NDF : 73014457.3/14

+ sign -0.885+/-0.000 χ^2/NDF : 722012248.7/33

All: -0.887+/-0.000 χ^2/NDF : 1667302119.8/6

- sign -0.890+/-0.000 χ^2/NDF : 944897220.9/33

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: 396599.3/16

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152617.8/18

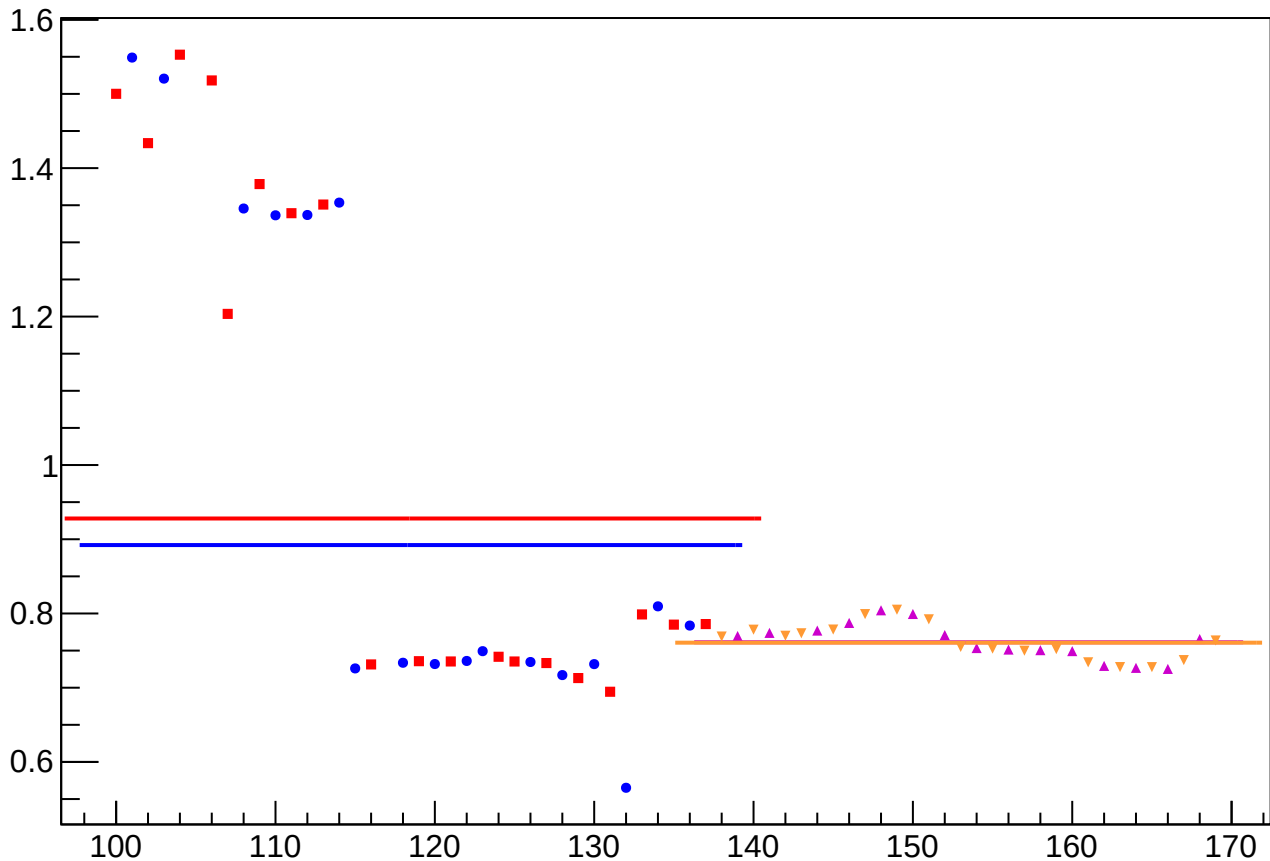
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 499594.4/14

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1464527.2/33

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3256633.2/67

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1771094.2/33

yield_bpm4acY_mean vs Slug



Right In: 0.892 $\pm$ 0.000 χ^2 /NDF: 2413732173.6/16

Left Out: 0.761 $\pm$ 0.000 χ^2 /NDF:36081217.4/16

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

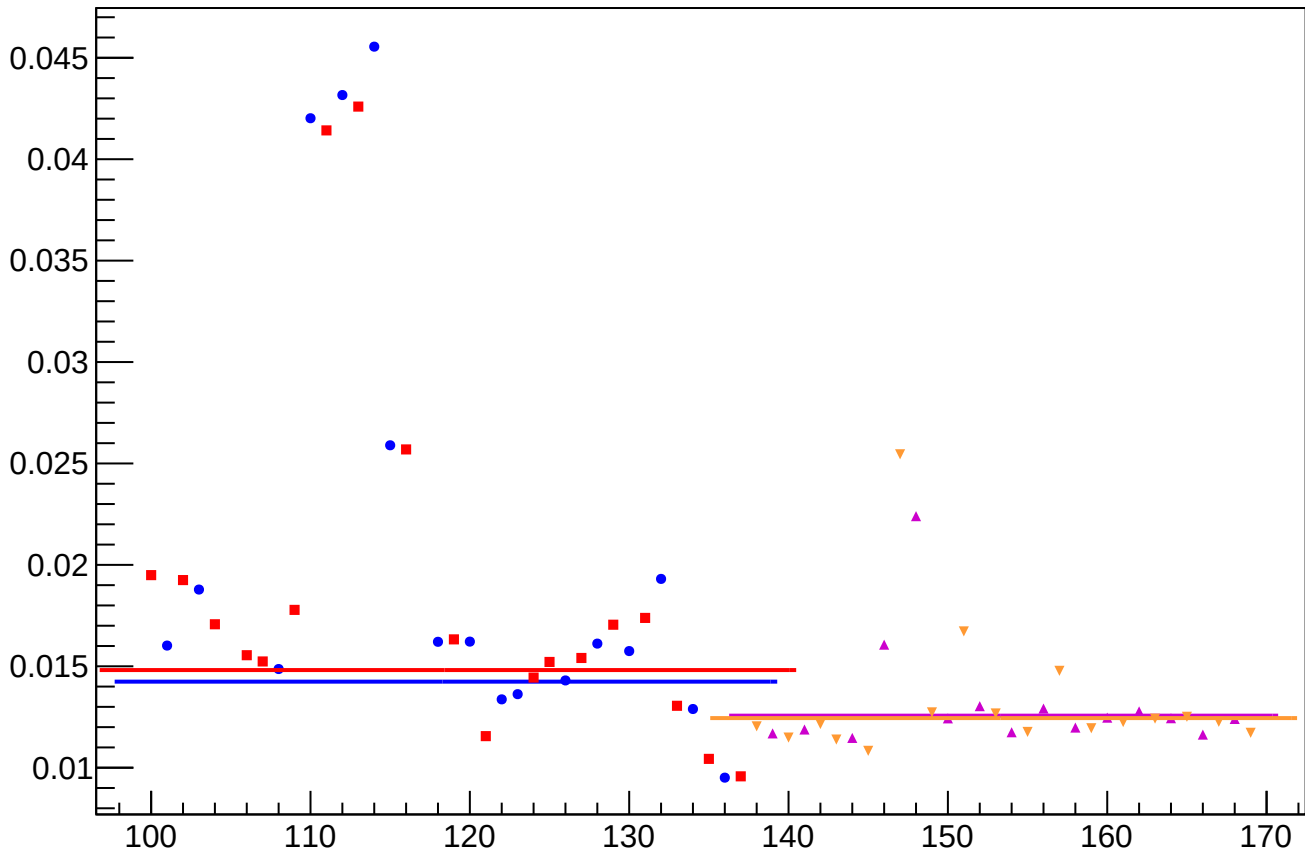
Left In: 0.761 $\pm$ 0.000 χ^2 /NDF:32556872.0/14

+ sign 0.795 $\pm$ 0.000 χ^2 /NDF: 2803905671.6/33

All: 0.801 $\pm$ 0.000 χ^2 /NDF: 5828913013.0/67

- sign 0.808 $\pm$ 0.000 χ^2 /NDF: 3017399471.1/33

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1415681.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:590943.4/16

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1274172.7/18

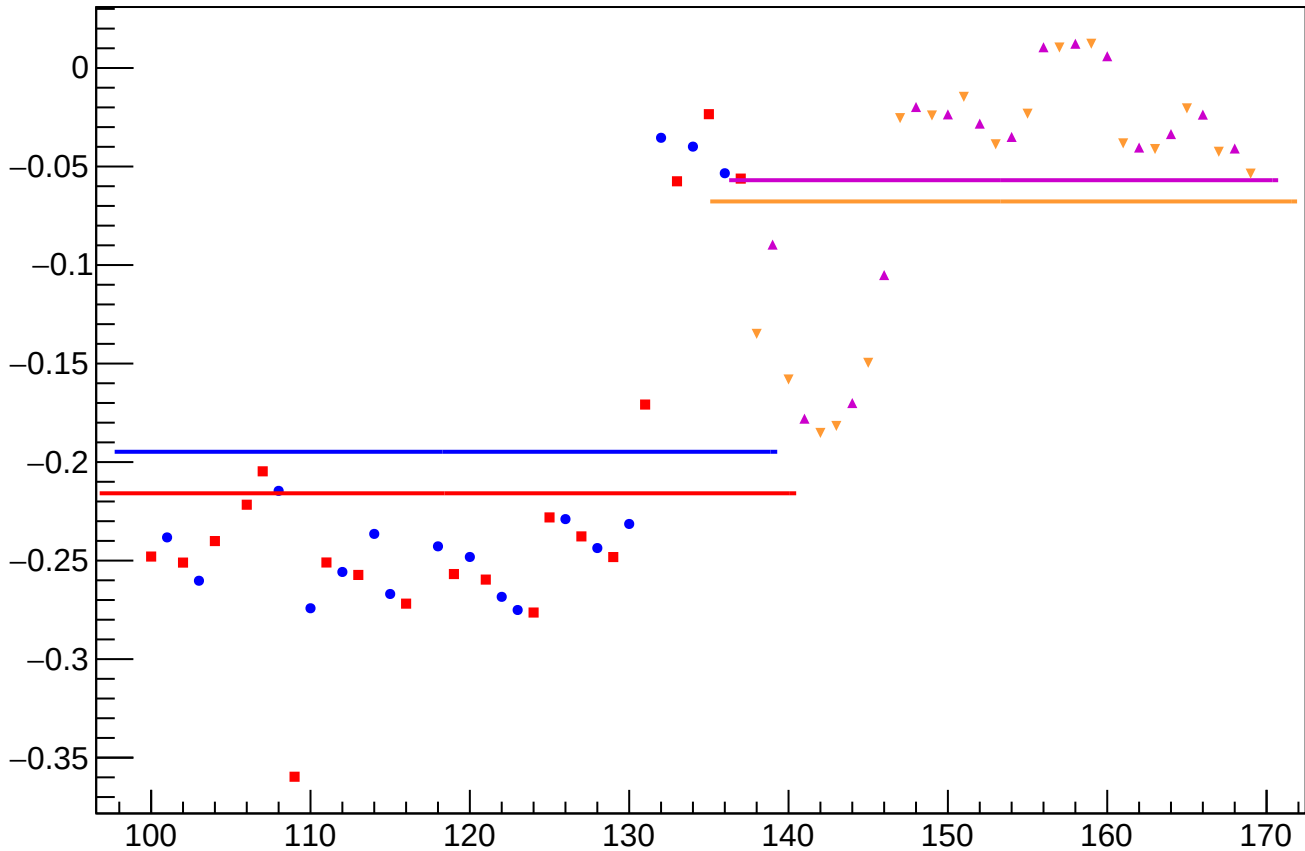
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:413225.7/14

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2138876.1/33

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4032721.1/67

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1886373.3/33

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.068+/-0.000 χ^2/NDF : 114853561.4/16

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

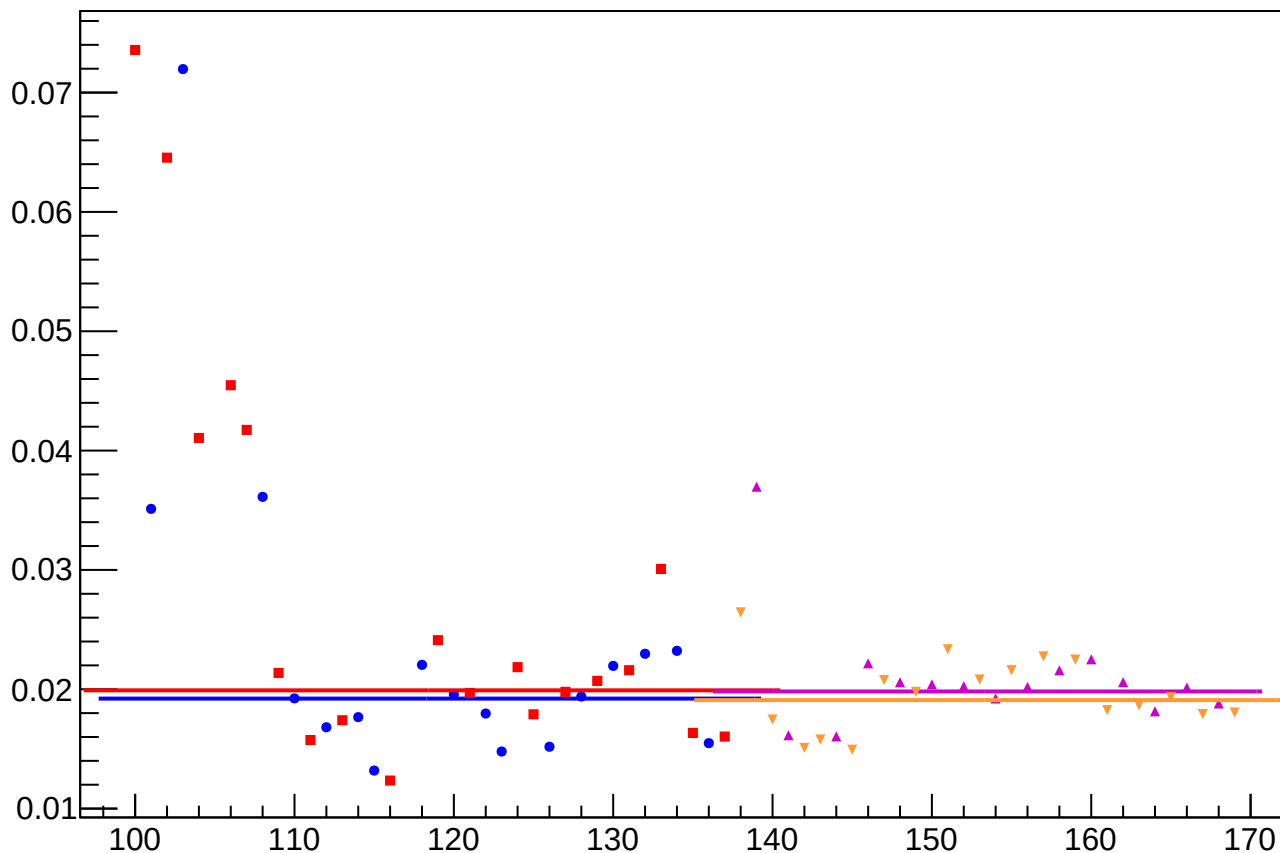
Left In: -0.057+/-0.000 χ^2/NDF : 97226530.5/14

+ sign -0.109+/-0.000 χ^2/NDF : 370782164.7/33

All: -0.111+/-0.000 χ^2/NDF : 793888778.3/67

- sign -0.113+/-0.000 χ^2/NDF : 422848474.4/33

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1177085.4/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:431680.9/16

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1446950.0/18

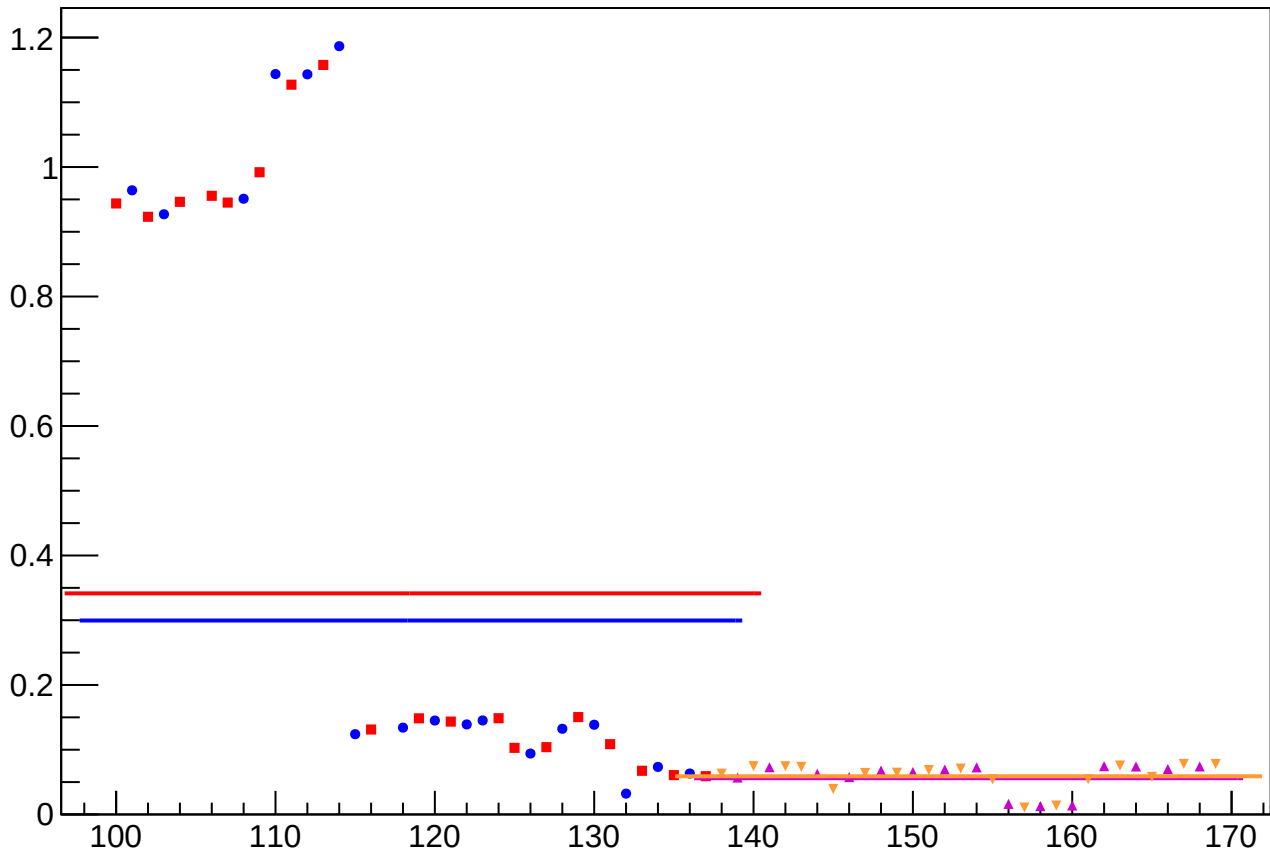
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:484780.1/14

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1609058.9/33

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3561002.1/67

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1931884.1/33

yield_bpm4ecY_mean vs Slug



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 43391245.8/16

+ sign 0.125 $\pm$ 0.000 χ^2 /NDF: 6837361647.8/33

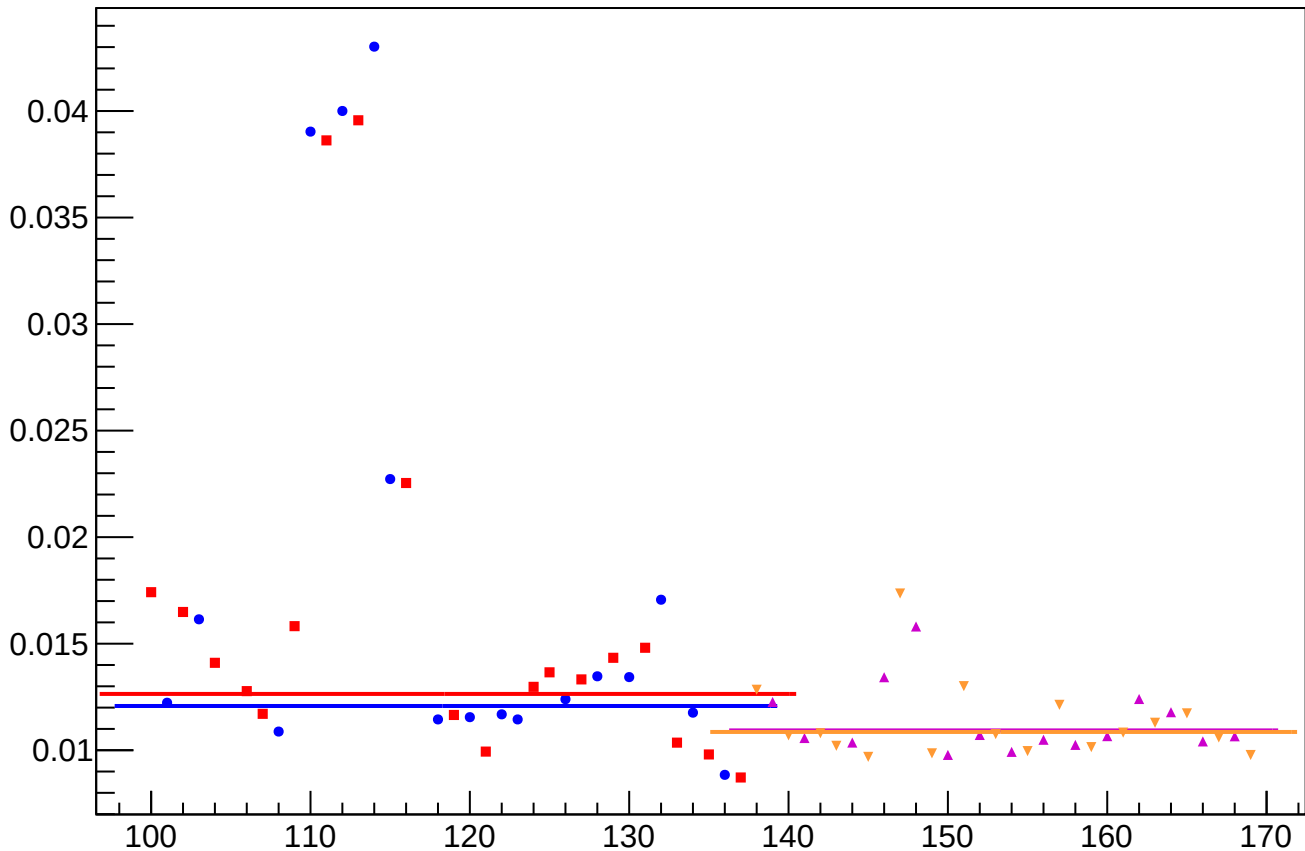
Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5450600455.1/18

All: 0.131 $\pm$ 0.000 χ^2 /NDF: 14498729661.4/6

Left In: 0.056 $\pm$ 0.000 χ^2 /NDF: 50951451.6/14

- sign 0.137 $\pm$ 0.000 χ^2 /NDF: 7652004956.7/33

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1282097.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:392087.4/16

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

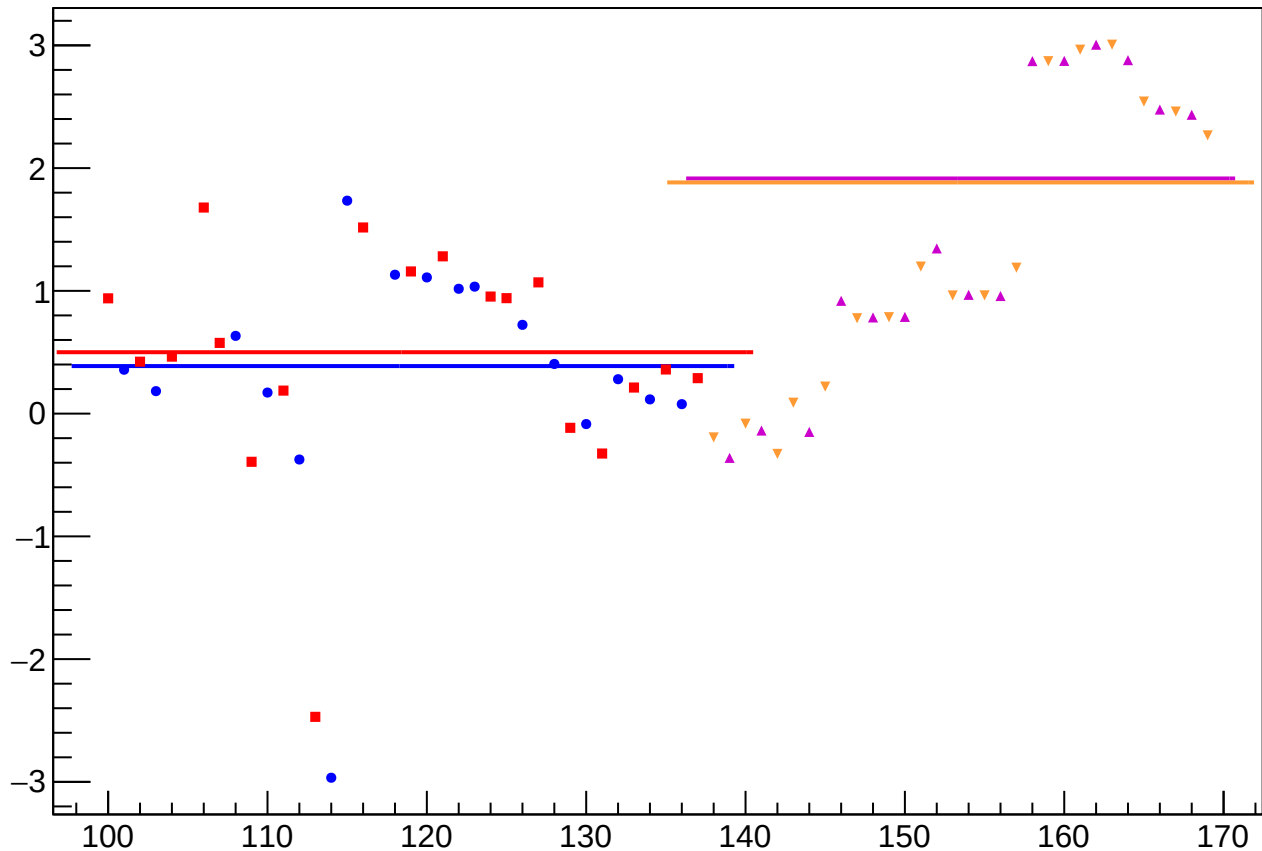
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:302744.9/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1757779.7/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3459617.3/67

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1695121.1/33

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

Left Out: 1.883 $\pm$ 0.000 χ^2 /NDF: 26442569669.5/16

Right Out: 0.500 $\pm$ 0.000 χ^2 /NDF: 983360928.1/18

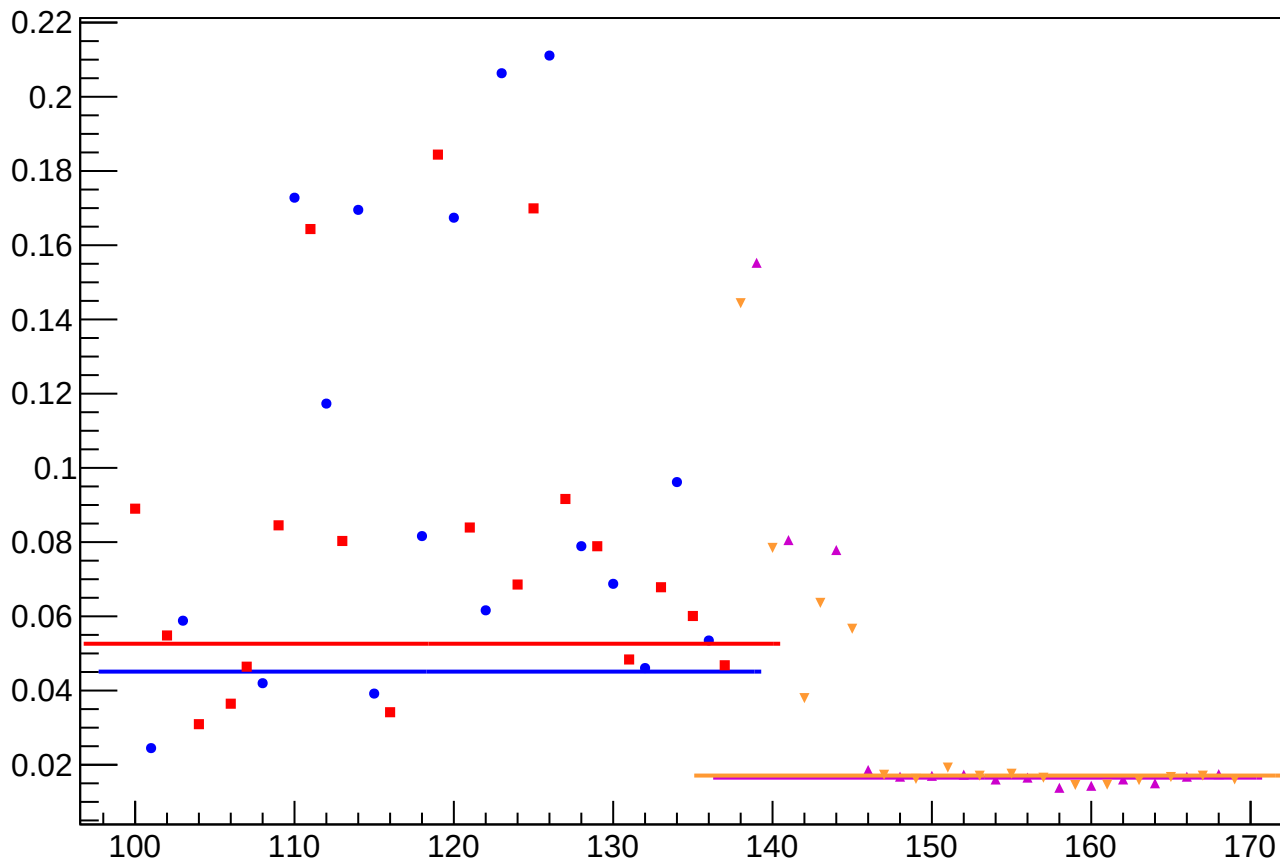
Left In: 1.916 $\pm$ 0.000 χ^2 /NDF: 27754313046.6/14

+ sign 1.803 $\pm$ 0.000 χ^2 /NDF: 30394969834.5/33

All: 1.827 $\pm$ 0.000 χ^2 /NDF: 62022488540.5/6

- sign 1.851 $\pm$ 0.000 χ^2 /NDF: 31590832456.7/33

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2736212.9/16

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

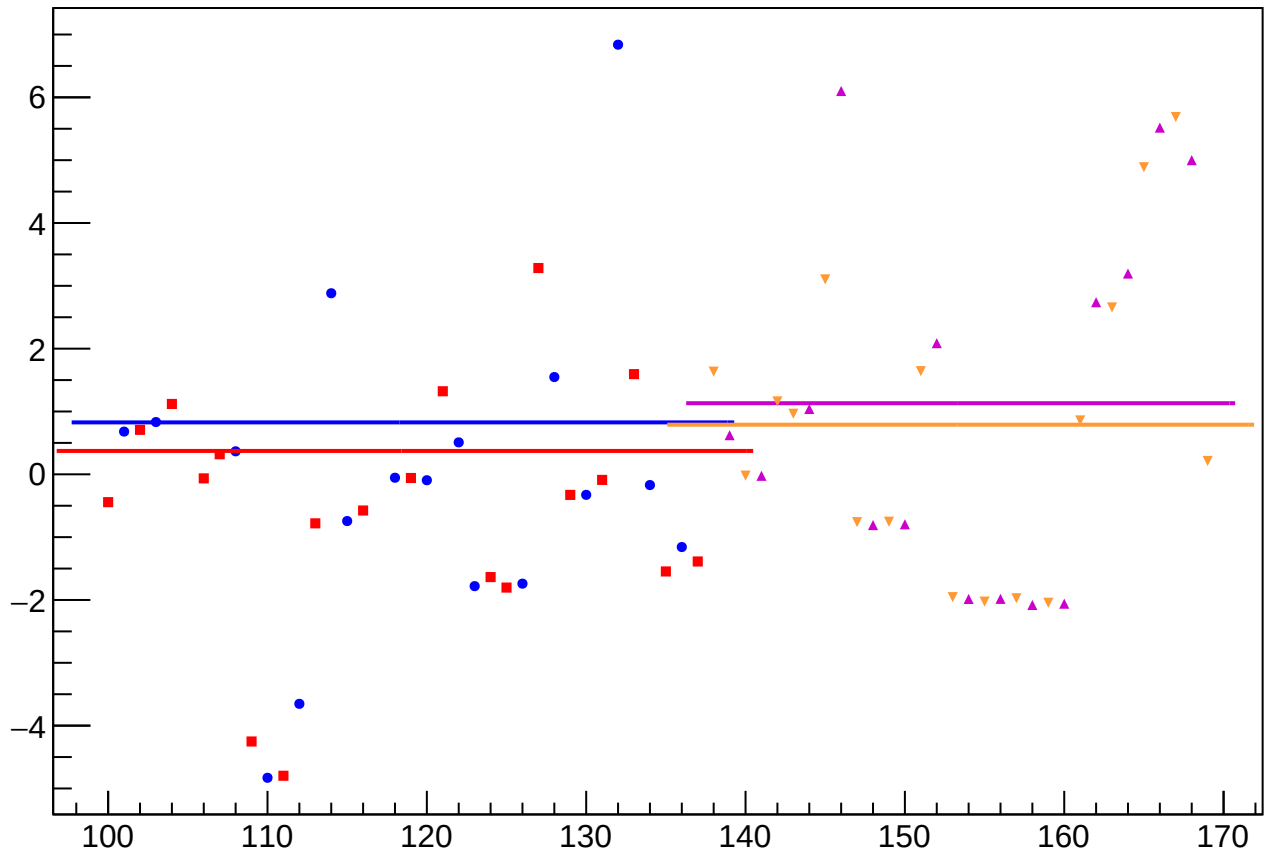
Left In: 0.017+/-0.000 χ^2/NDF : 2340212.7/14

+ sign 0.019+/-0.000 χ^2/NDF : 8179489.2/33

All: 0.018+/-0.000 χ^2/NDF : 16424731.8/67

- sign 0.018+/-0.000 χ^2/NDF : 8239777.1/33

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.790 ± 0.000 χ^2/NDF : 363188765618.4/16

Right Out: 0.372 ± 0.000 χ^2/NDF : 4972900338.2/18

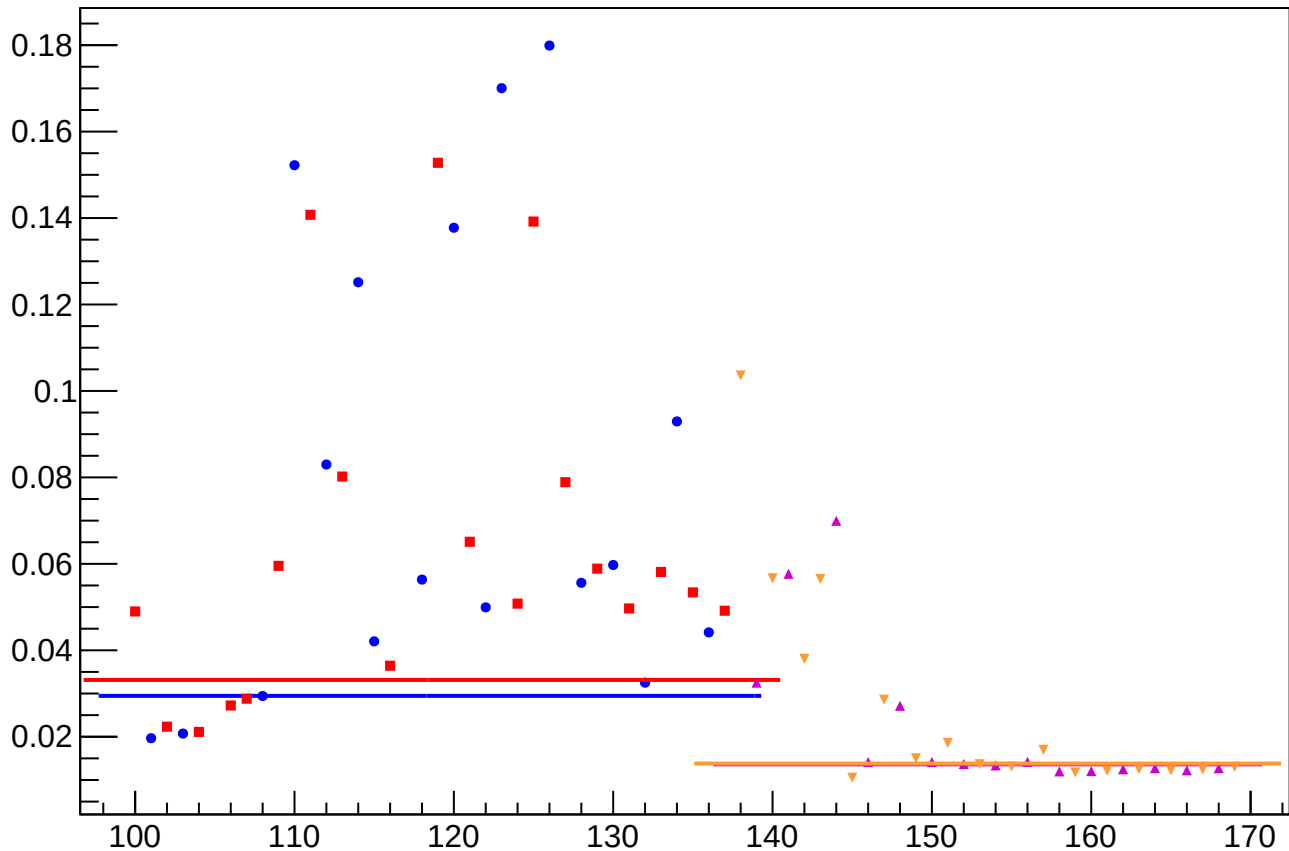
Left In: 1.132 ± 0.000 χ^2/NDF : 475102866933.6/14

+ sign 0.793 ± 0.000 χ^2/NDF : 374130111807.5/33

All: 0.936 ± 0.000 χ^2/NDF : 858345425272.7

- sign 1.082 ± 0.000 χ^2/NDF : 481962348040.5/33

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.014+/-0.000 χ^2/NDF : 2842134.8/16

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

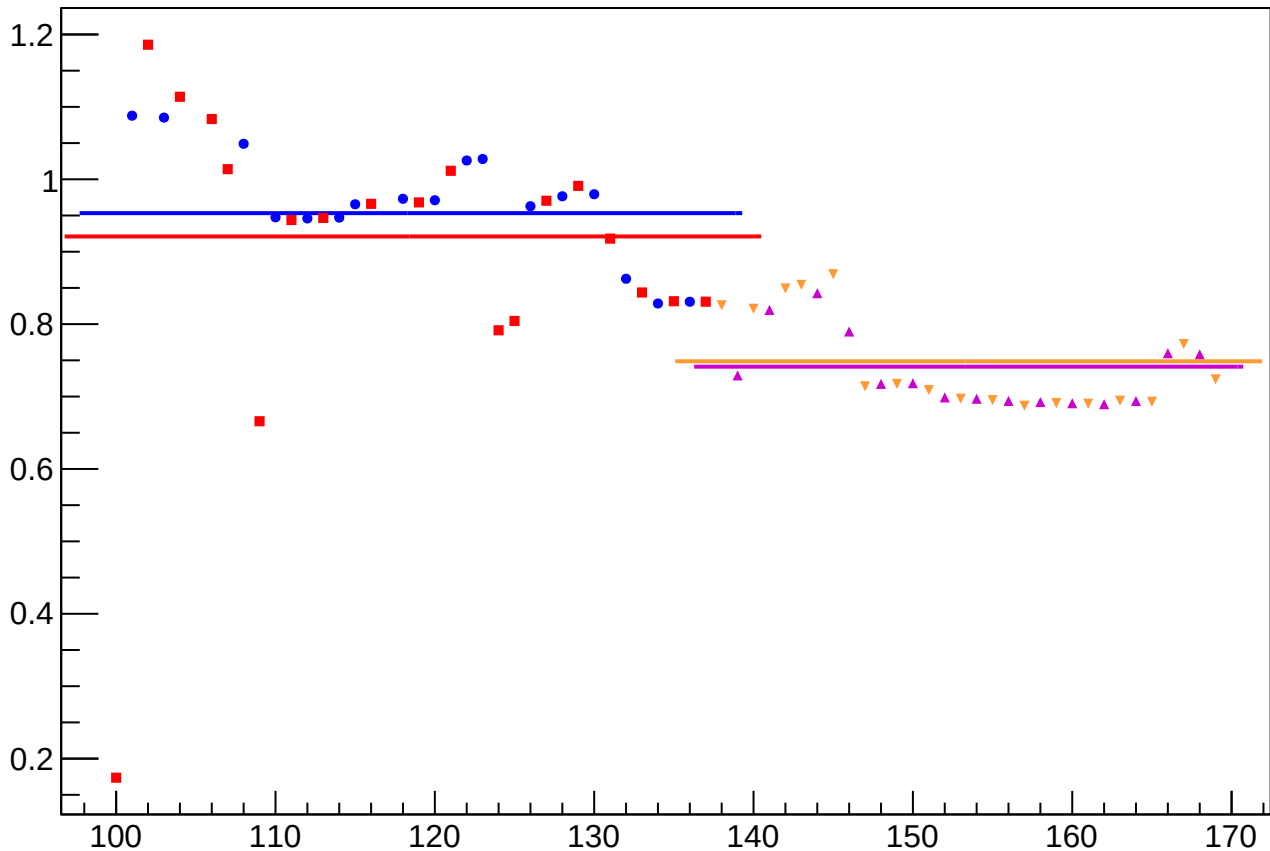
Left In: 0.014+/-0.000 χ^2/NDF : 1869811.2/14

+ sign 0.015+/-0.000 χ^2/NDF : 7684642.9/33

All: 0.015+/-0.000 χ^2/NDF : 15145380.0/67

- sign 0.015+/-0.000 χ^2/NDF : 7460631.7/33

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.749 $\pm$ 0.000 χ^2 /NDF: 262142414.8/16

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

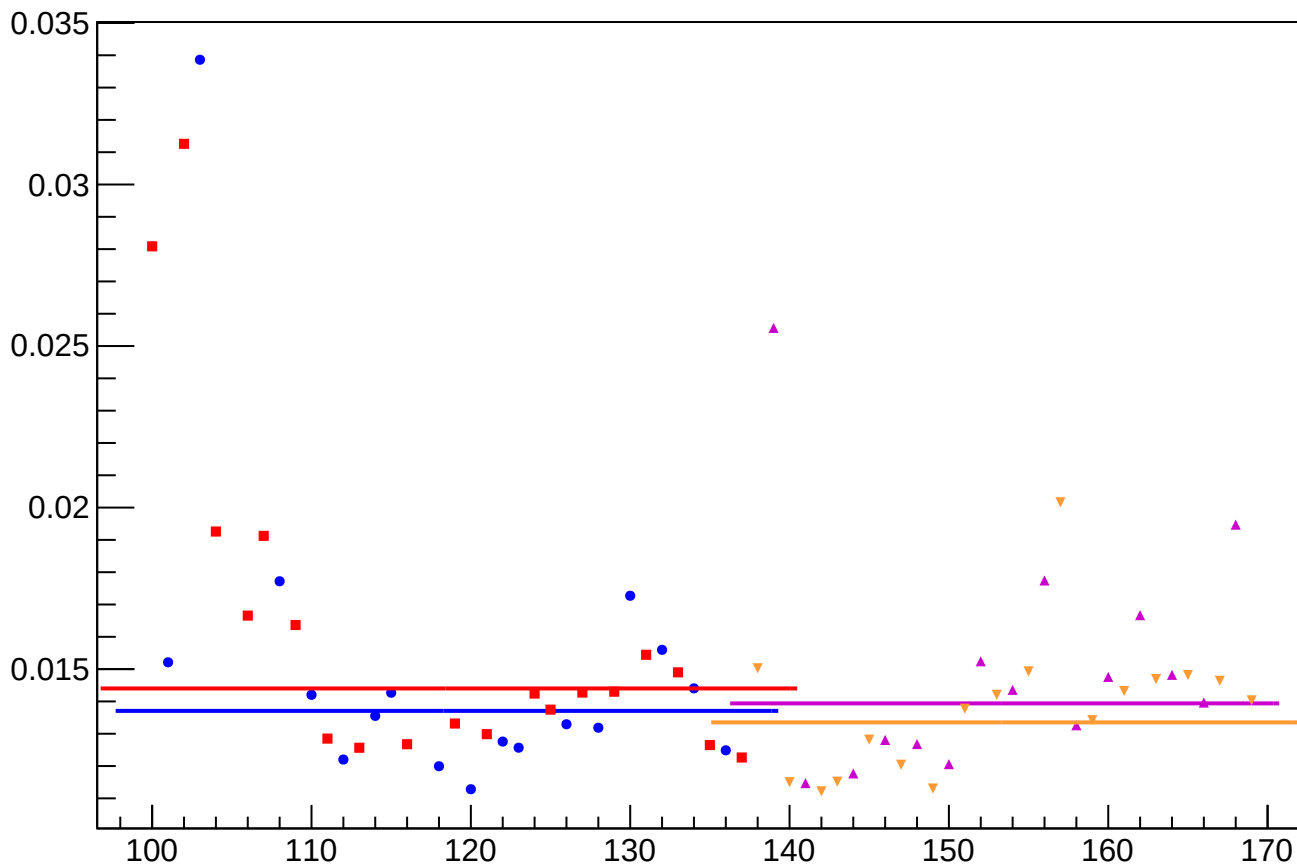
Left In: 0.741 $\pm$ 0.000 χ^2 /NDF: 156428304.7/14

+ sign 0.817 $\pm$ 0.000 χ^2 /NDF: 1299339335.2/33

All: 0.812 $\pm$ 0.000 χ^2 /NDF: 2445531333.3/67

- sign 0.806 $\pm$ 0.000 χ^2 /NDF: 1140353230.5/33

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: 369989.9/16

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

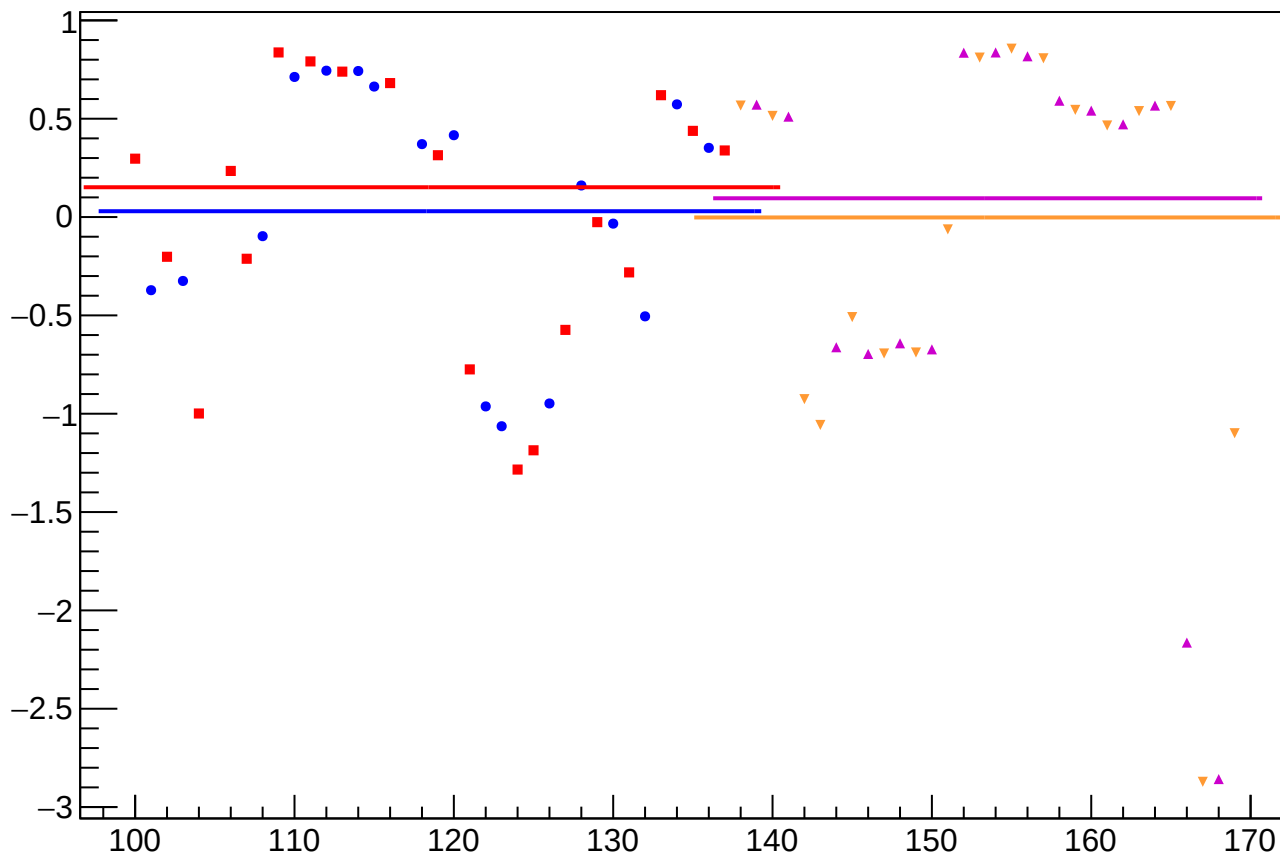
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 702628.5/14

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 921527.9/33

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2168940.2/67

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1212449.8/33

yield_bpm11Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 6294824795.0/16

Left Out: -0.002+/-0.000 χ^2/NDF : 67682663350.0/16

Right Out: 0.152+/-0.000 χ^2/NDF : 12661812059.7/18

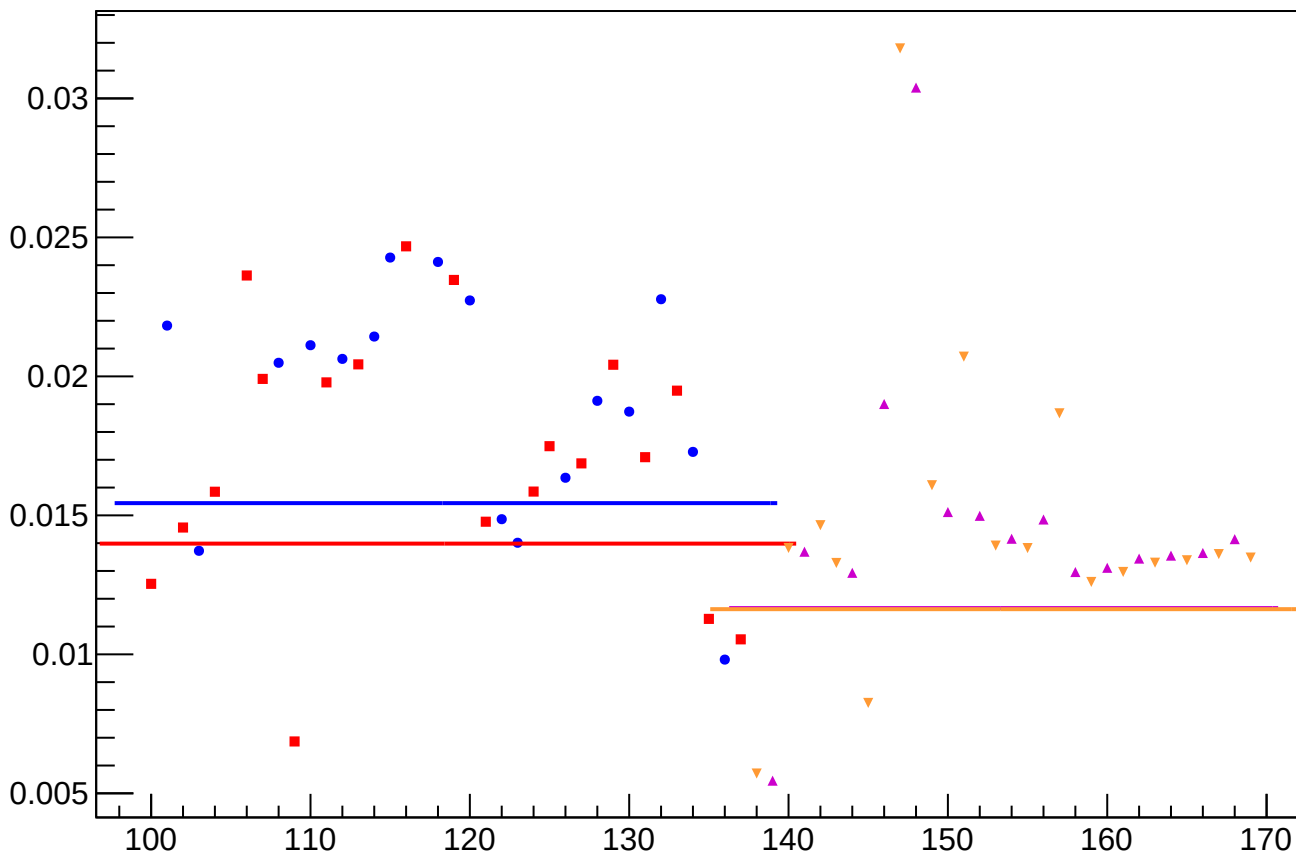
Left In: 0.095+/-0.000 χ^2/NDF : 71830182361.6/14

+ sign 0.005+/-0.000 χ^2/NDF : 73995758445.7/33

All: 0.058+/-0.000 χ^2/NDF : 159118294350.8

- sign 0.112+/-0.000 χ^2/NDF : 84556198224.8/33

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.012+/-0.000 χ^2/NDF : 2970543.0/16

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

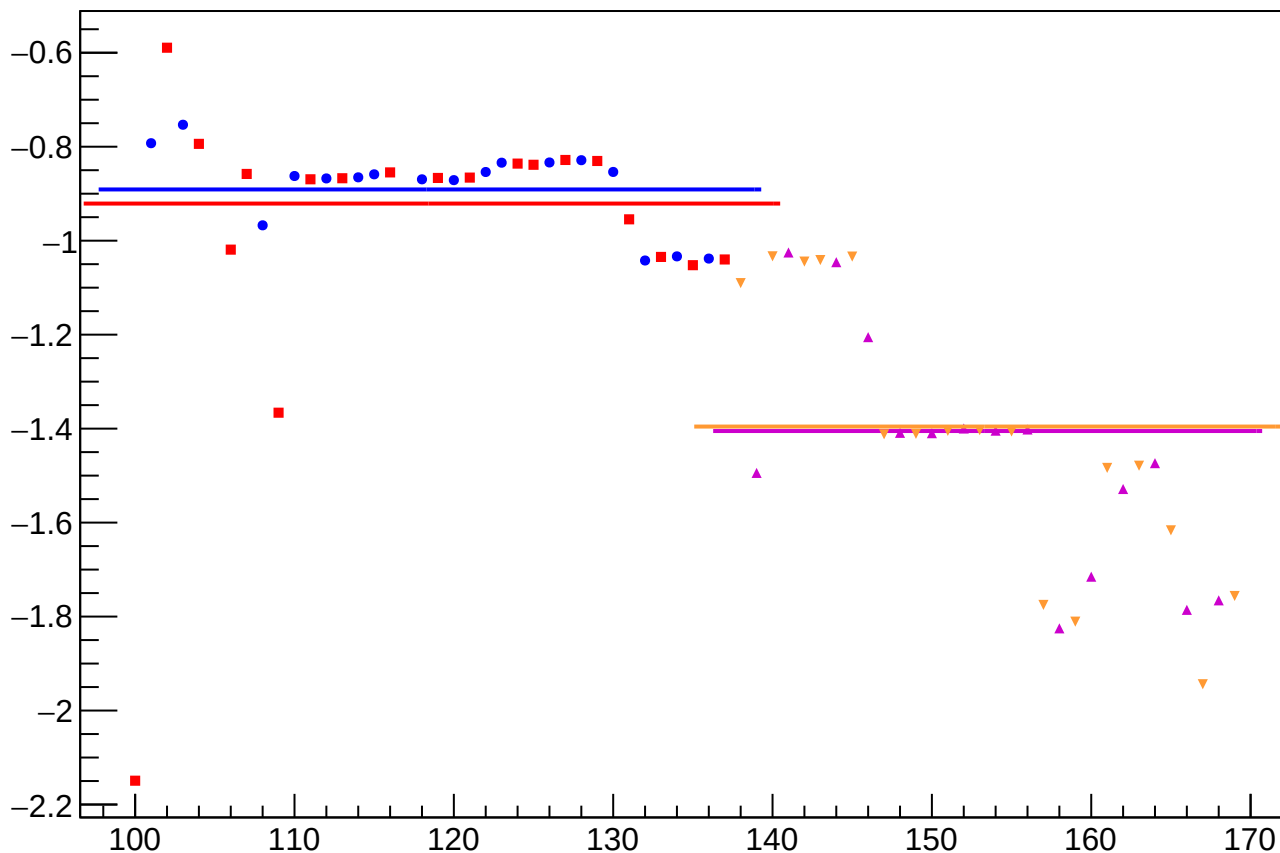
Left In: 0.012+/-0.000 χ^2/NDF : 2916832.9/14

+ sign 0.013+/-0.000 χ^2/NDF : 4660793.4/33

All: 0.012+/-0.000 χ^2/NDF : 9361784.5/67

- sign 0.012+/-0.000 χ^2/NDF : 4697299.7/33

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.396+/-0.000 χ^2/NDF : 715166178.6/16

Right Out: -0.921+/-0.000 χ^2/NDF : 131183059.9/18

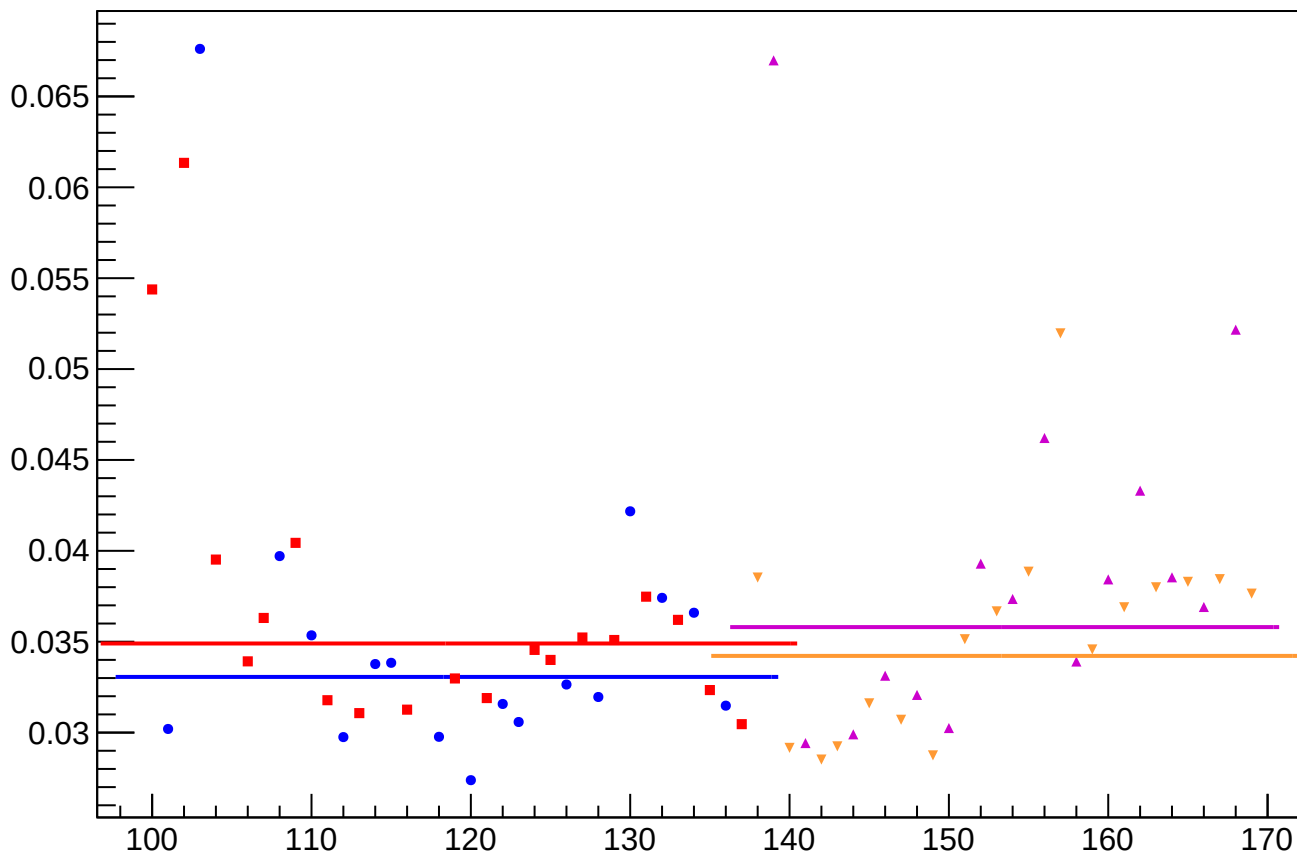
Left In: -1.405+/-0.000 χ^2/NDF : 509097276.2/14

+ sign -1.210+/-0.000 χ^2/NDF : 1620227224.3/33

All: -1.213+/-0.000 χ^2/NDF : 2983169742.9/6

- sign -1.216+/-0.000 χ^2/NDF : 1362692652.5/33

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 409286.7/16

Left Out: 0.034 $\pm$ 0.000 χ^2 /NDF: 418954.8/16

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 274270.8/18

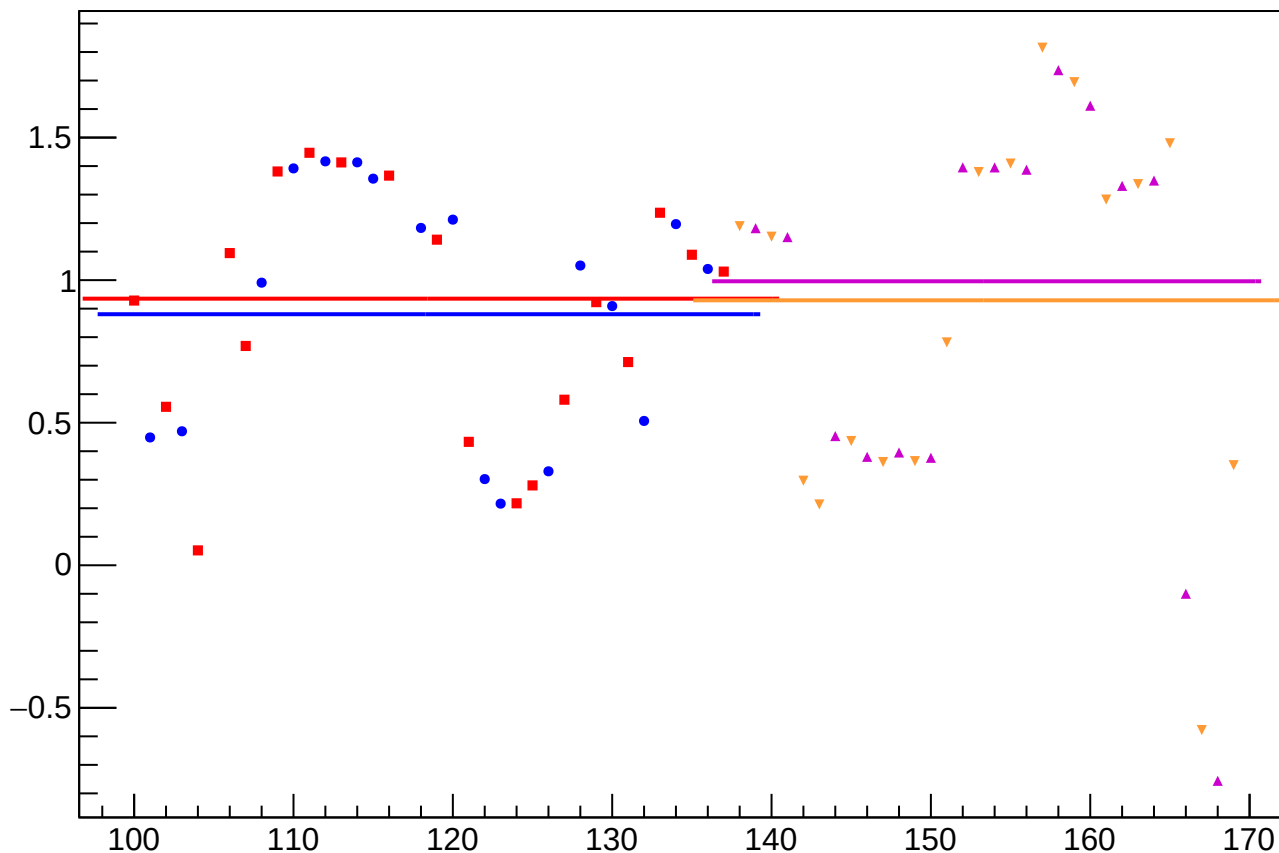
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 785768.1/14

+ sign 0.034 $\pm$ 0.000 χ^2 /NDF: 837338.0/33

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 1940160.9/67

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1065055.7/33

yield_bpm12Y_mean vs Slug



Right In: 0.880+/-0.000 χ^2/NDF : 6400108121.4/16

Left Out: 0.929+/-0.000 χ^2/NDF : 56390020321.9/16

Right Out: 0.935+/-0.000 χ^2/NDF : 9833525935.6/18

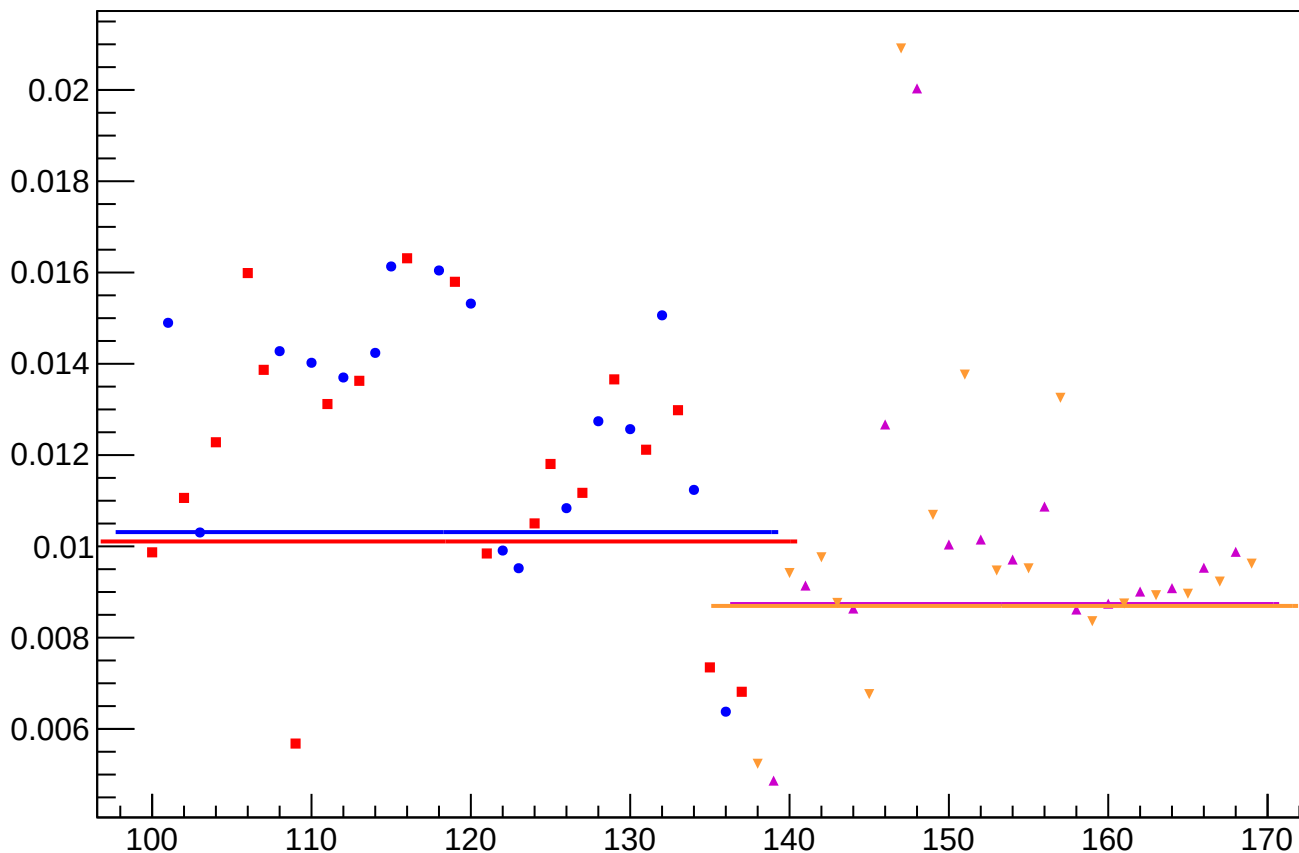
Left In: 0.996+/-0.000 χ^2/NDF : 57113570455.4/14

+ sign 0.916+/-0.000 χ^2/NDF : 62882616488.7/33

All: 0.947+/-0.000 χ^2/NDF : 130352307134.7

- sign 0.978+/-0.000 χ^2/NDF : 67096757547.7/33

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1231066.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1678642.0/16

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

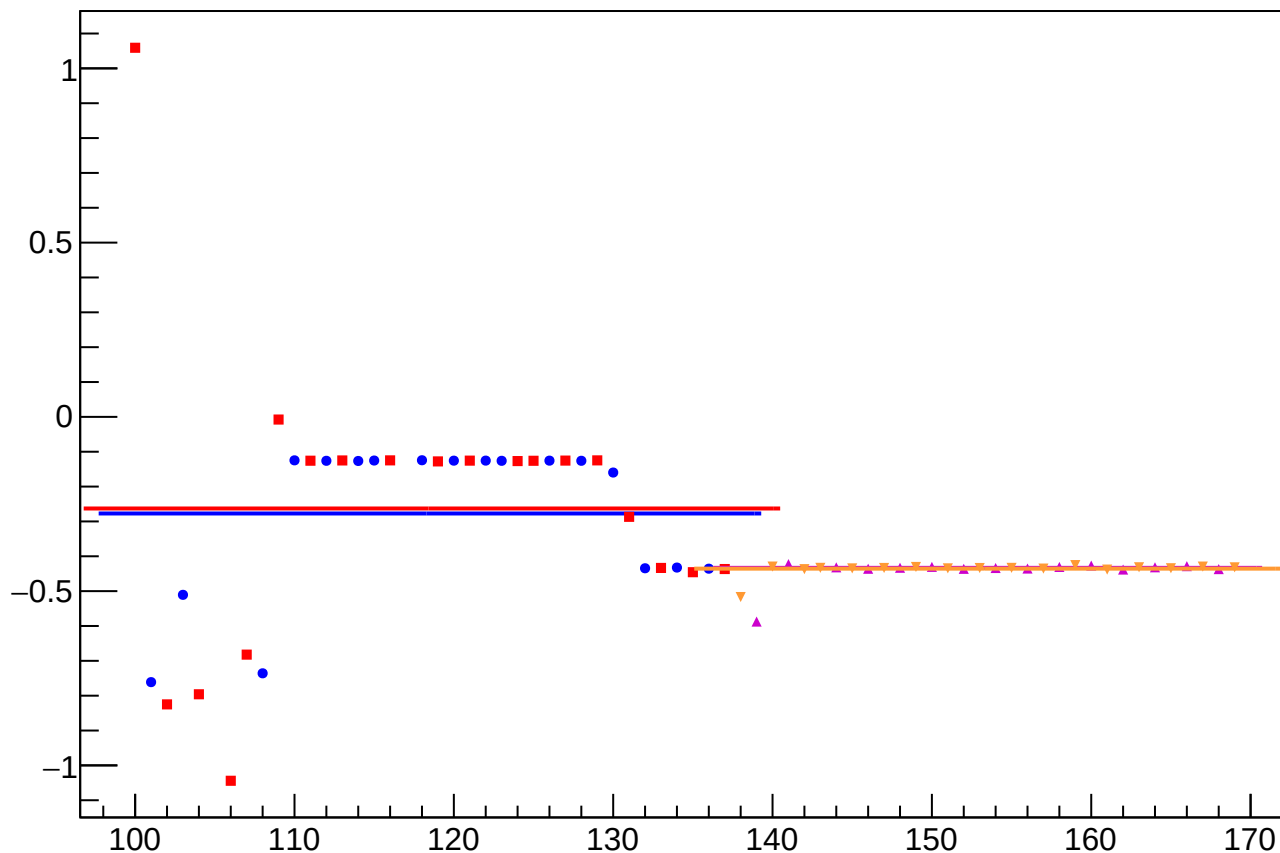
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1591881.6/14

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3113399.8/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6035188.3/67

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2921685.6/33

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.435 ± 0.000 χ^2/NDF : 25982322.7/16

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

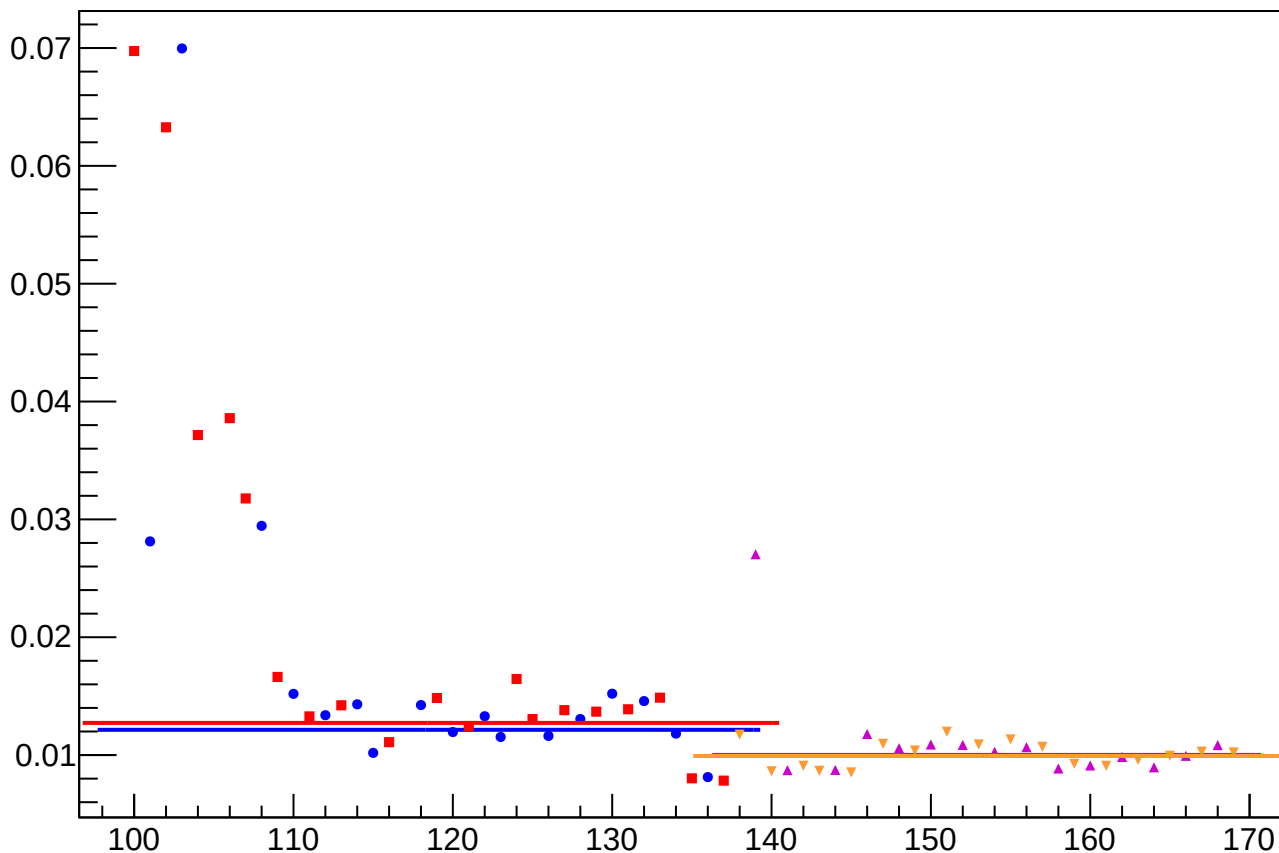
Left In: -0.433 ± 0.000 χ^2/NDF : 23565033.6/14

+ sign -0.399 ± 0.000 χ^2/NDF : 1583919561.9/33

All: -0.396 ± 0.000 χ^2/NDF : 3280971677.2/6

- sign -0.393 ± 0.000 χ^2/NDF : 1694490327.8/33

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:227553.2/16

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

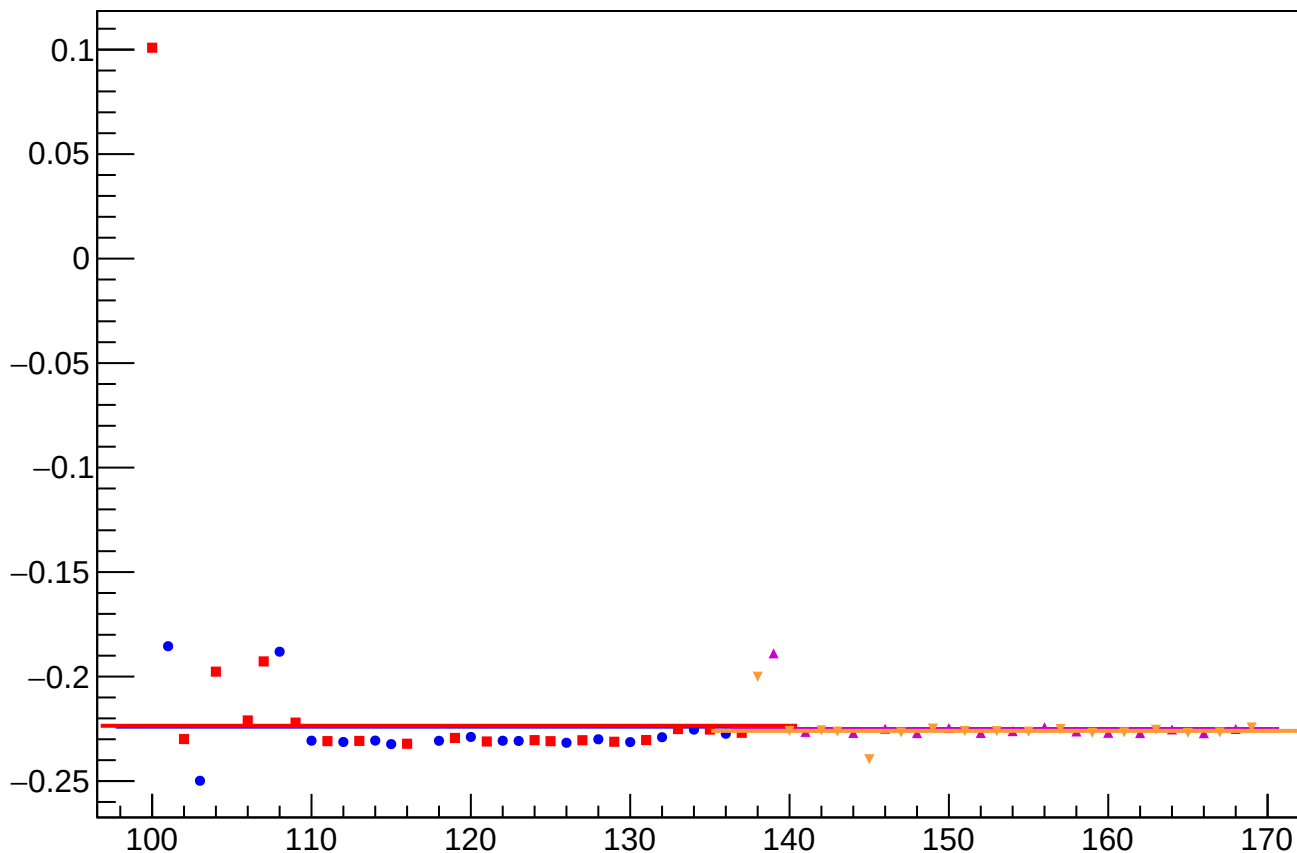
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:703314.5/14

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2198409.8/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5214431.5/67

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3009316.0/33

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74704721.6/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20686247.9/16

Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

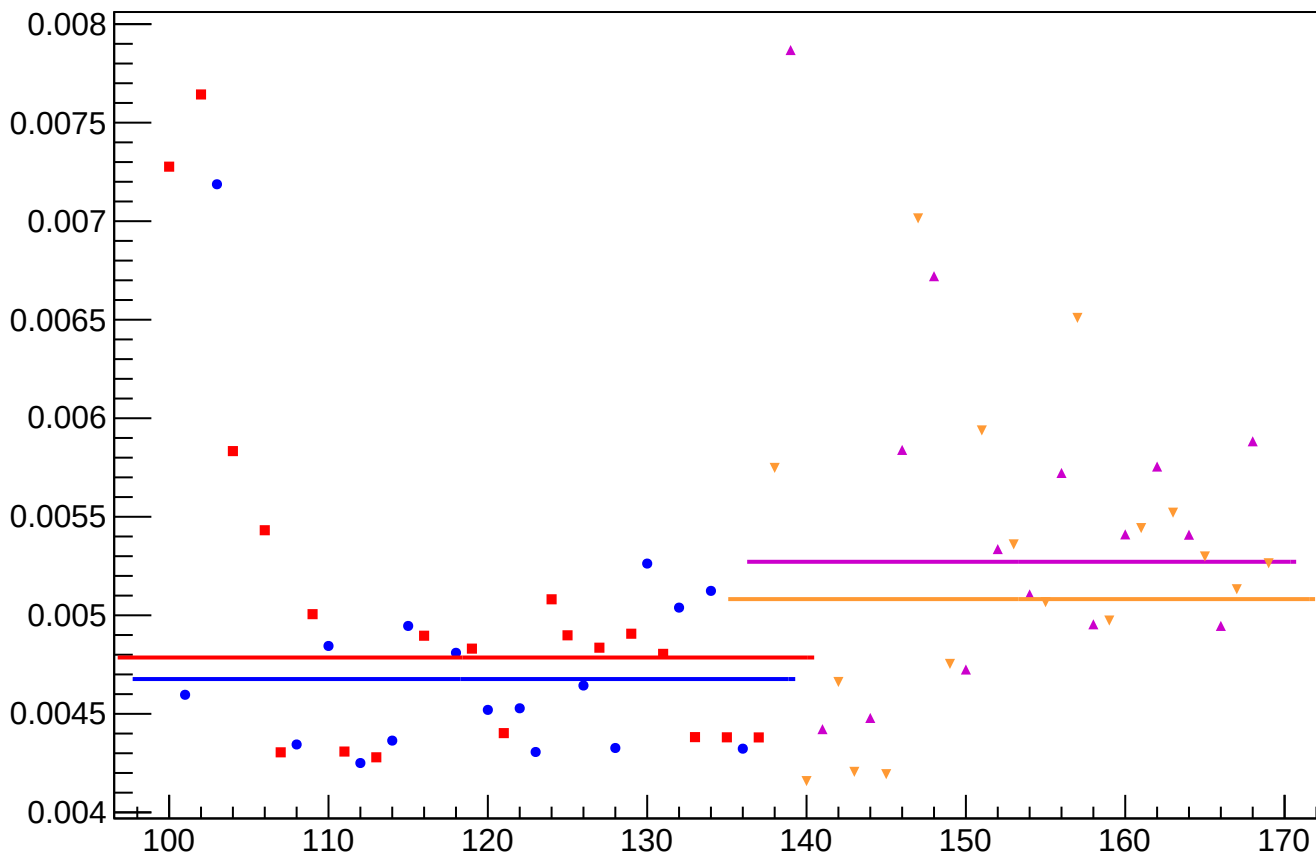
Left In: -0.225+/-0.000 χ^2/NDF : 14336562.5/14

+ sign -0.225+/-0.000 χ^2/NDF : 96099066.0/33

All: -0.225+/-0.000 χ^2/NDF : 279154217.9/67

- sign -0.224+/-0.000 χ^2/NDF : 182855162.9/33

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 181335.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 449695.3/16

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

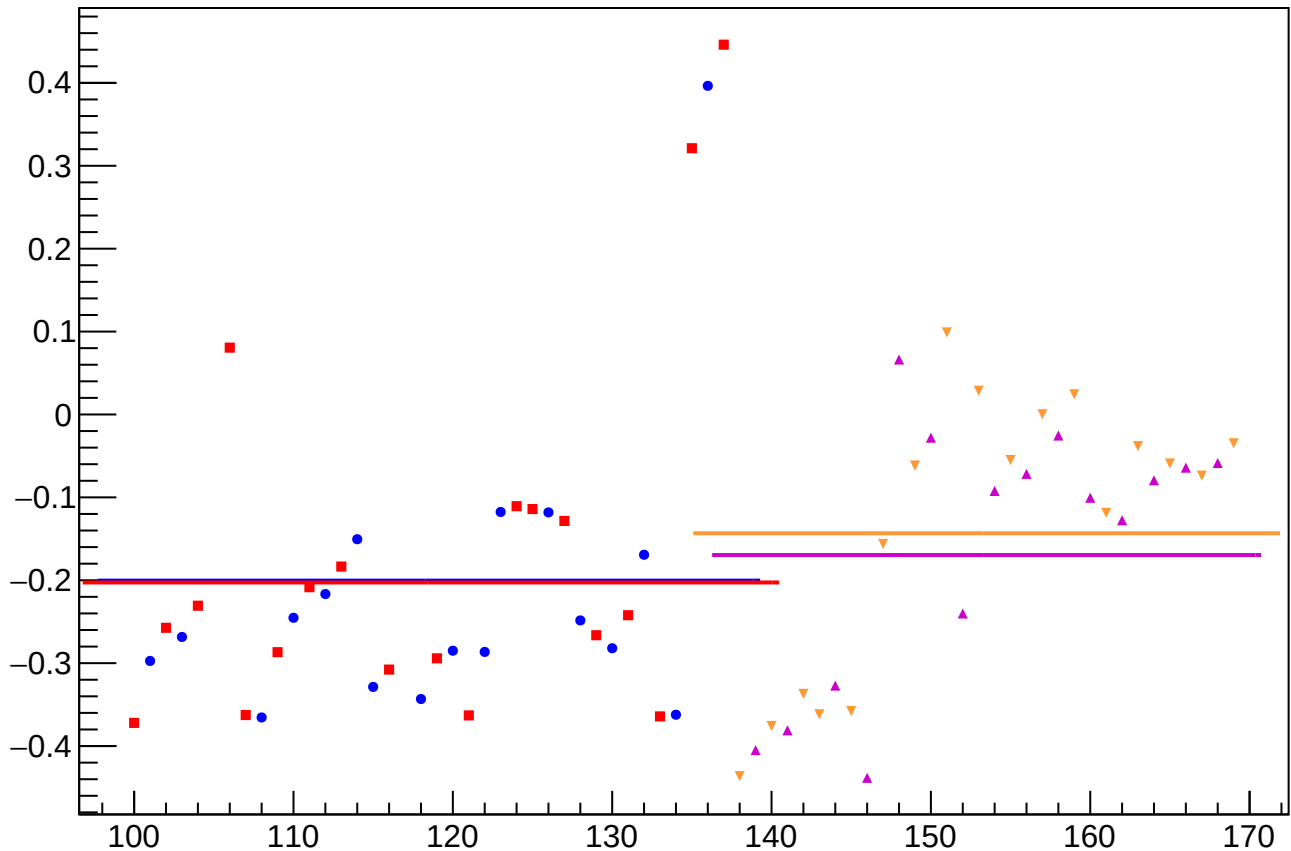
Left In: 0.005+/-0.000 χ^2/NDF : 404629.6/14

+ sign 0.005+/-0.000 χ^2/NDF : 687499.8/33

All: 0.005+/-0.000 χ^2/NDF : 1431156.5/67

- sign 0.005+/-0.000 χ^2/NDF : 729776.1/33

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.143 ± 0.000 χ^2/NDF : 11496164916.3/16

Right Out: -0.203 ± 0.000 χ^2/NDF : 5028268807.1/18

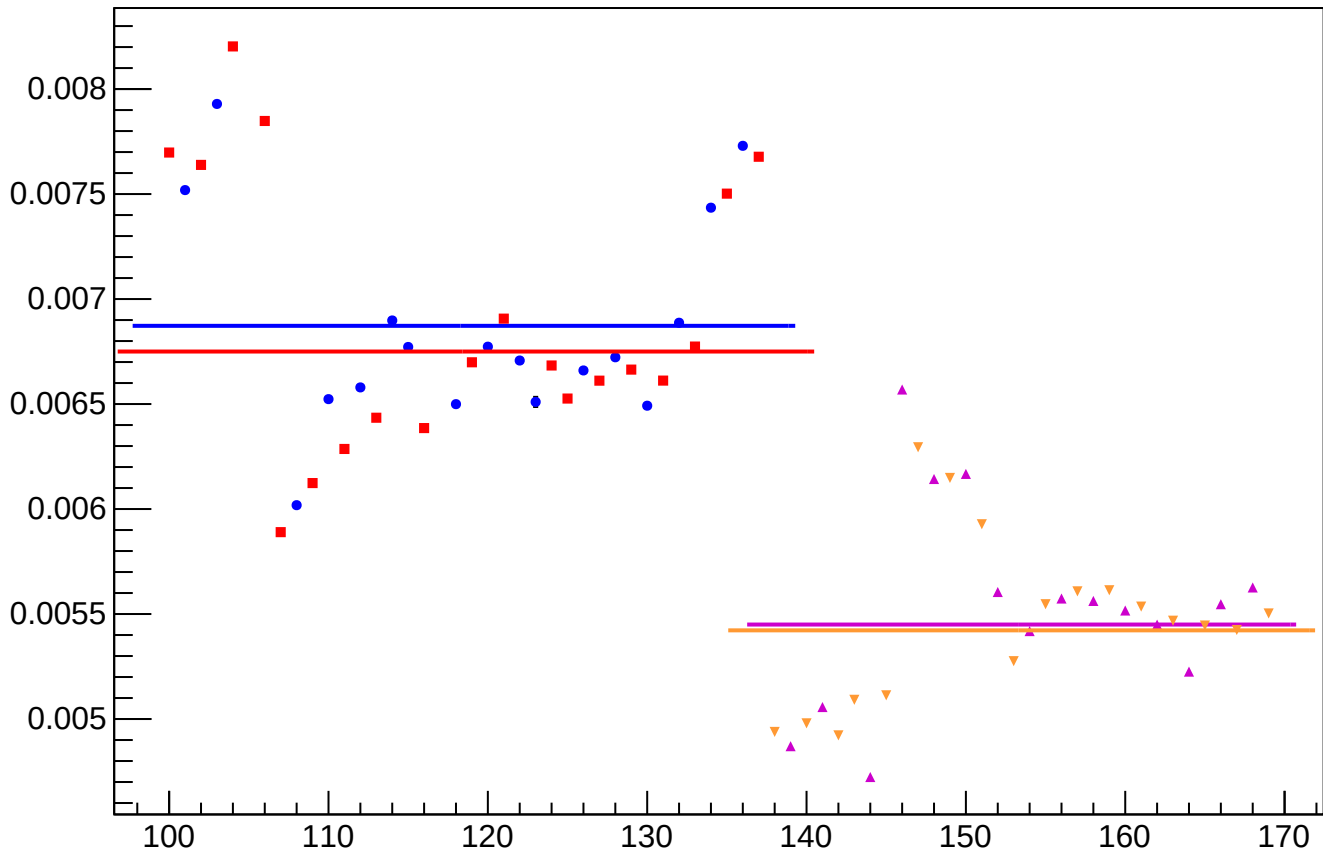
Left In: -0.170 ± 0.000 χ^2/NDF : 8231153578.1/14

+ sign -0.158 ± 0.000 χ^2/NDF : 17807104799.5/33

All: -0.168 ± 0.000 χ^2/NDF : 31303477988.6

- sign -0.179 ± 0.000 χ^2/NDF : 13376355149.9/33

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF : 105925.9/16

Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

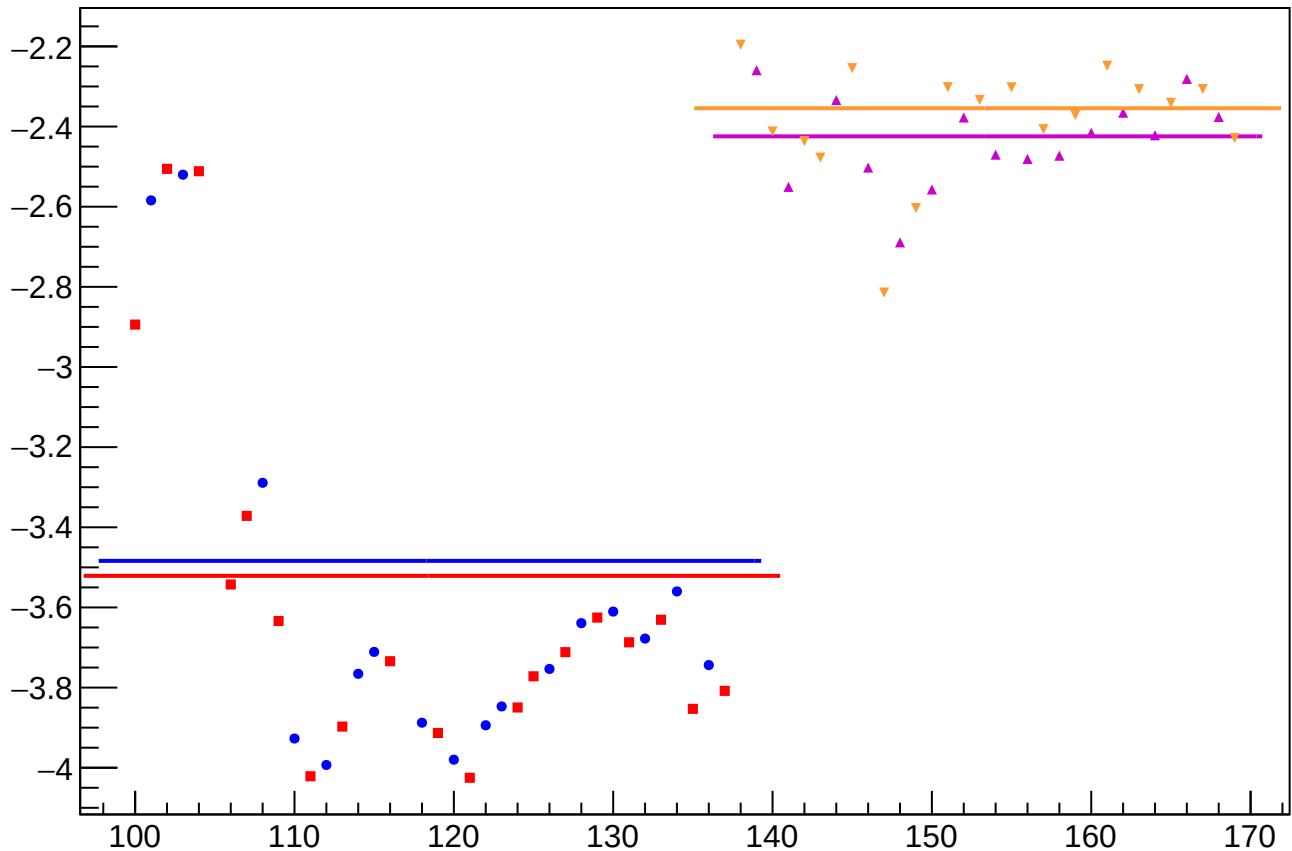
Left In: 0.005+/-0.000 χ^2/NDF : 147960.3/14

+ sign 0.006+/-0.000 χ^2/NDF : 619228.9/33

All: 0.006+/-0.000 χ^2/NDF : 1234074.9/67

- sign 0.006+/-0.000 χ^2/NDF : 614161.5/33

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.354+/-0.000 χ^2/NDF : 1738784216.5/16

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

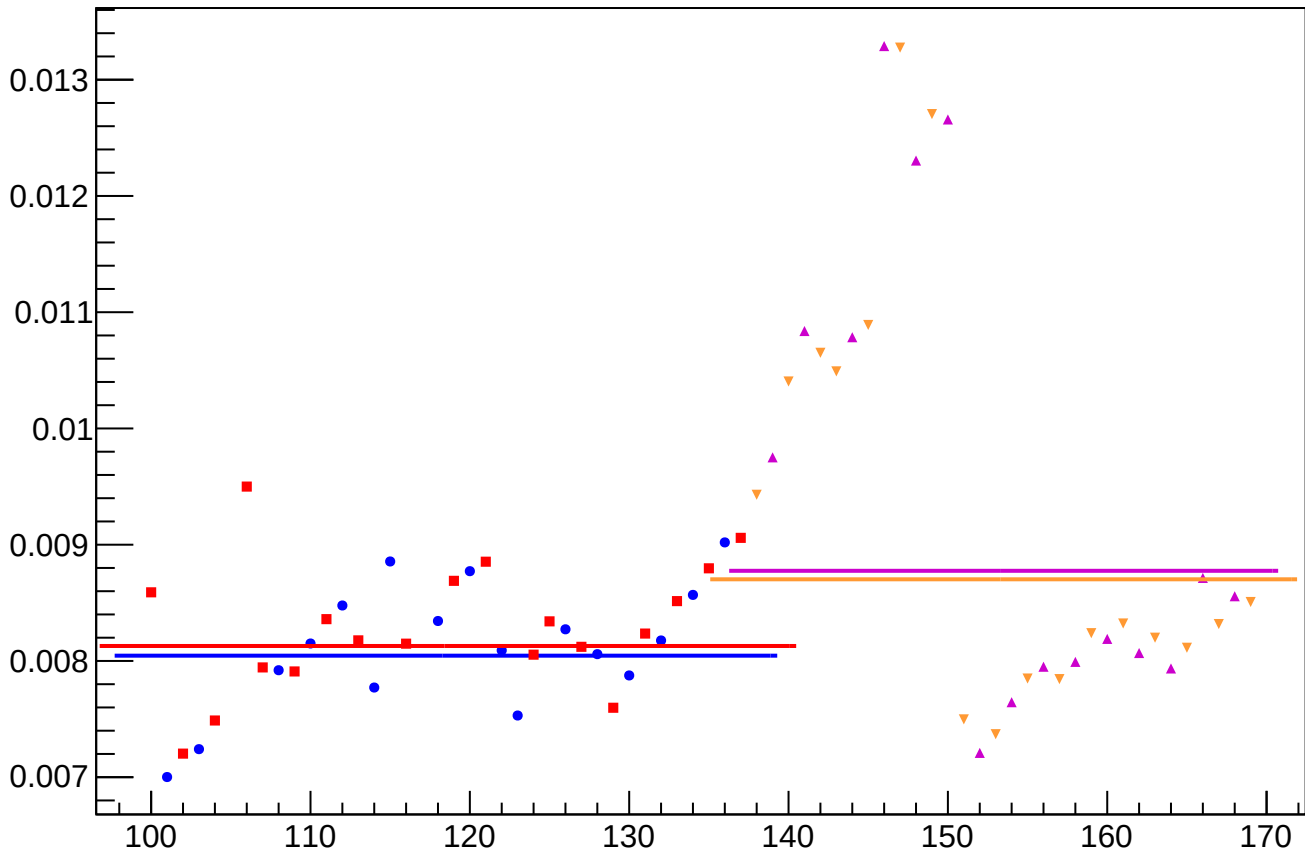
Left In: -2.424+/-0.000 χ^2/NDF : 1125991316.8/14

+ sign -2.802+/-0.000 χ^2/NDF : 106380038319.8/33

All: -2.845+/-0.000 χ^2/NDF : 205847230903.2

- sign -2.891+/-0.000 χ^2/NDF : 98489107613.5/33

yield_bpm0i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 71989.8/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 593987.0/16

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 57478.2/18

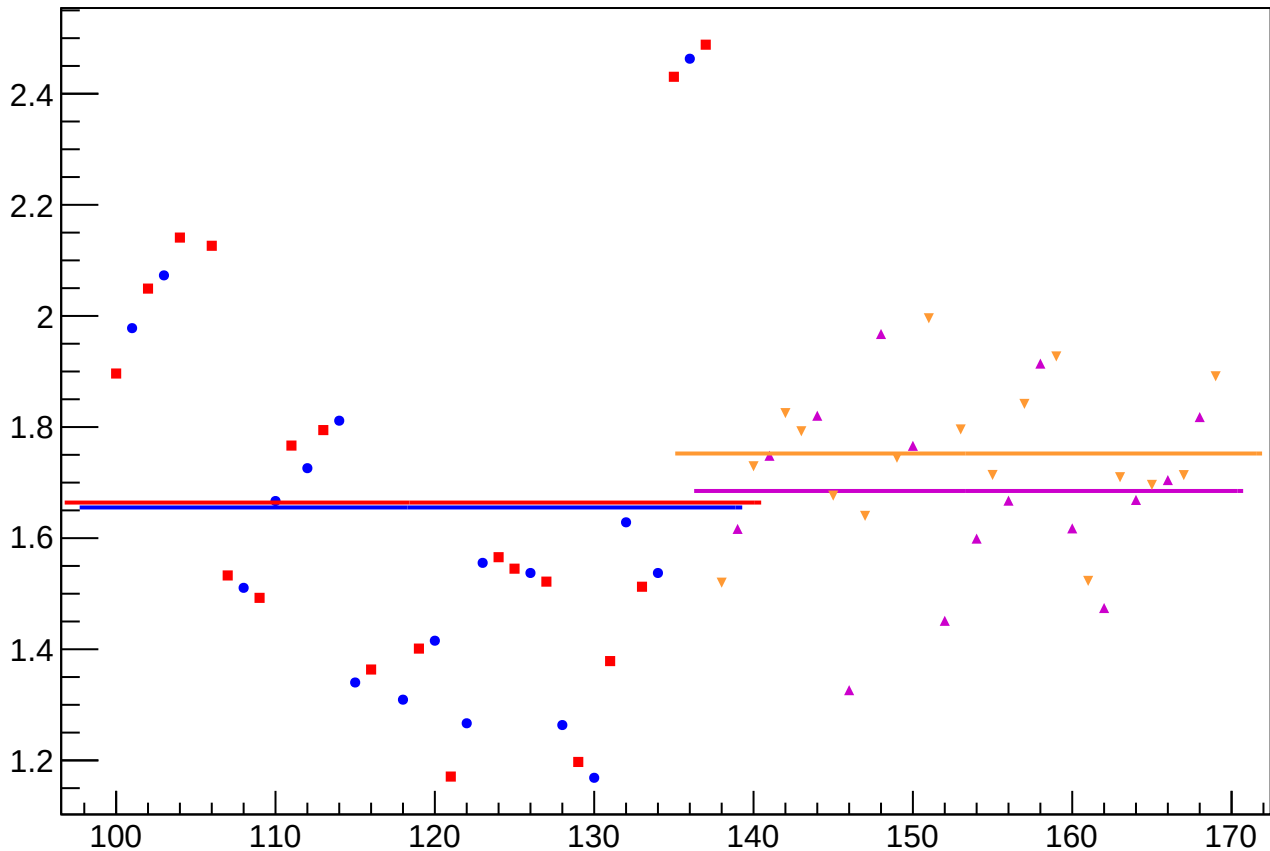
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 699935.2/14

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 718389.4/33

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 1525952.4/67

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 806717.6/33

yield_bpm0i02aX_mean vs Slug



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.752+/-0.000 χ^2/NDF : 1680088956.4/16

Right Out: 1.664+/-0.000 χ^2/NDF : 5944262279.7/18

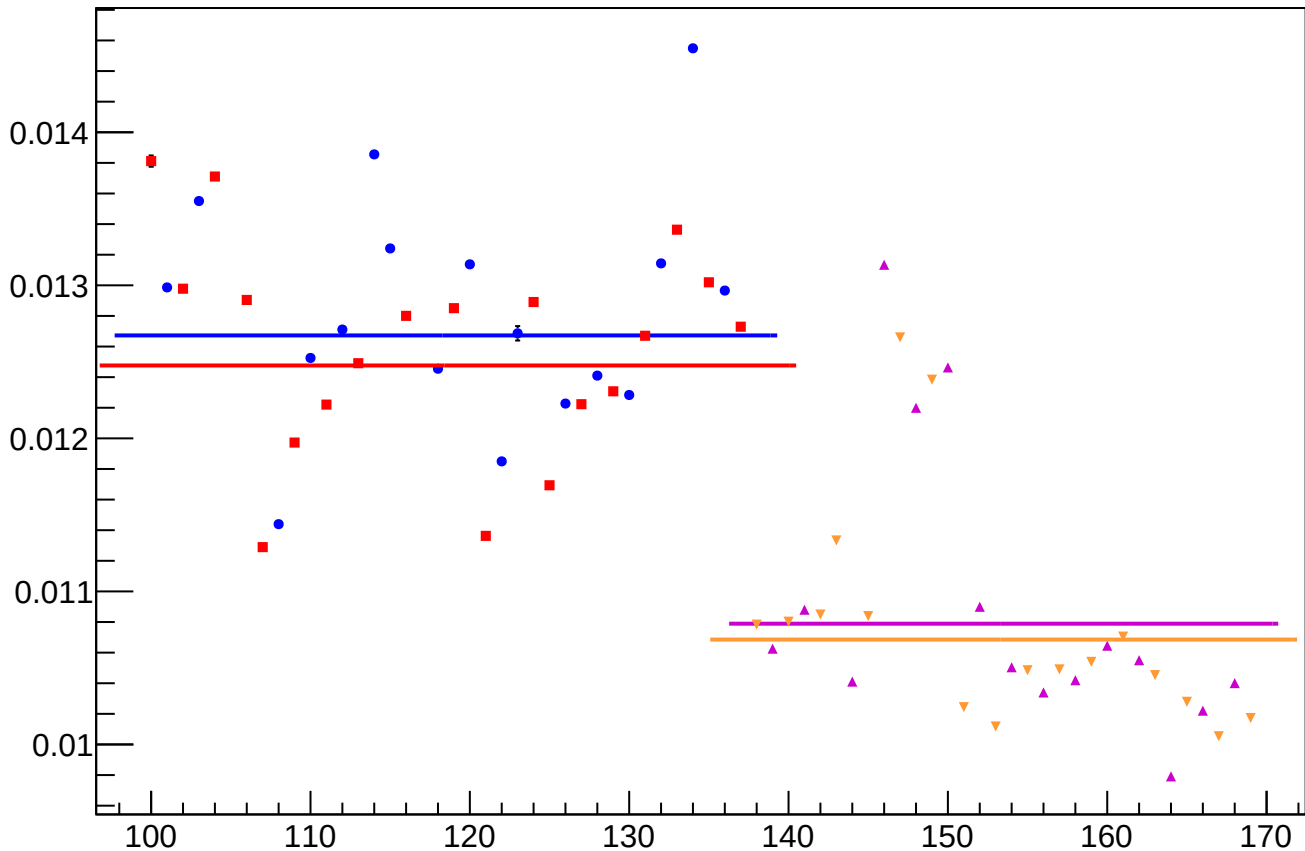
Left In: 1.685+/-0.000 χ^2/NDF : 2395070756.7/14

+ sign 1.725+/-0.000 χ^2/NDF : 8434369296.8/33

All: 1.702+/-0.000 χ^2/NDF : 16944238534.5/6

- sign 1.678+/-0.000 χ^2/NDF : 8352462428.4/33

yield_bpm0i02aX_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 31801.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:89257.6/16

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 39134.8/18

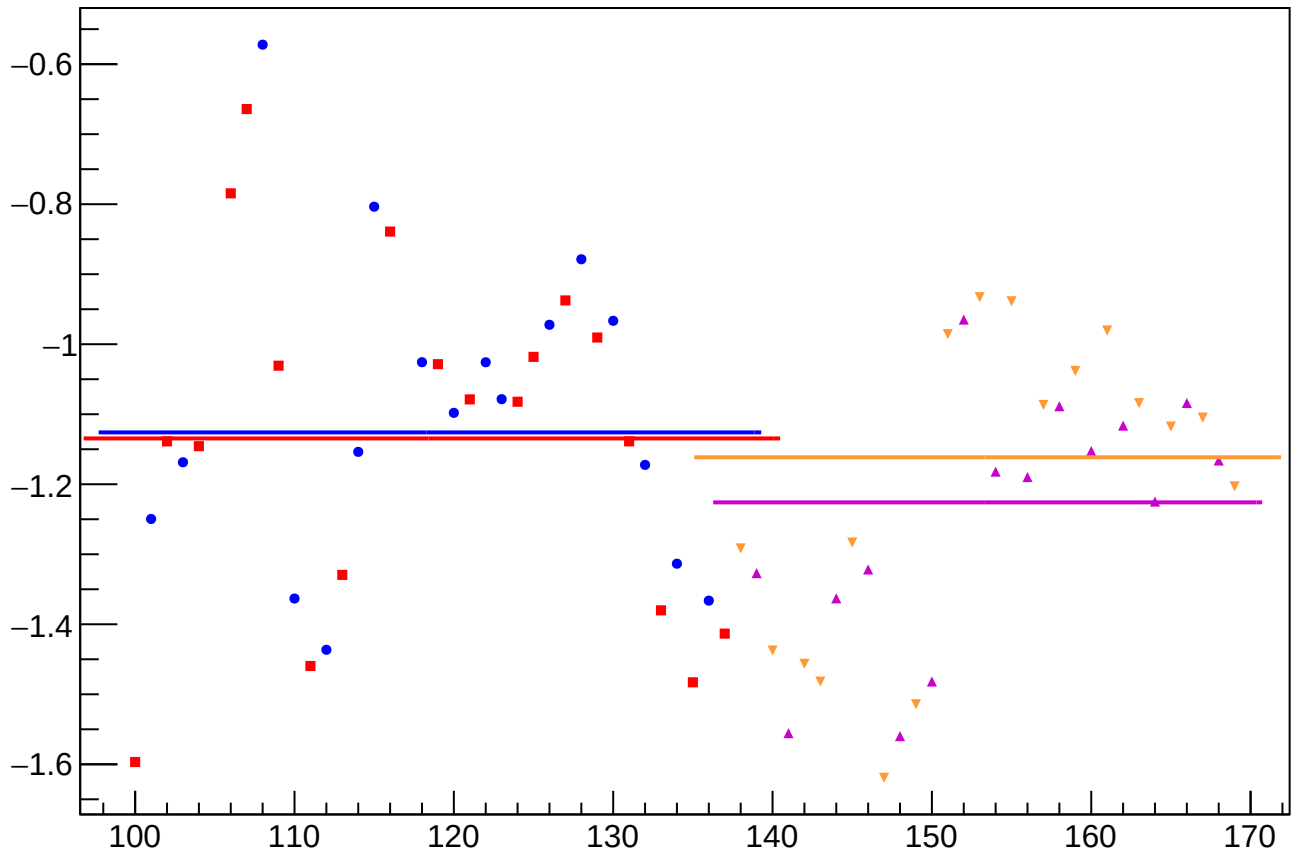
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119694.9/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 353663.4/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 685328.2/67

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 330613.1/33

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.161+/-0.000 χ^2/NDF : 7113658846.6/16

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

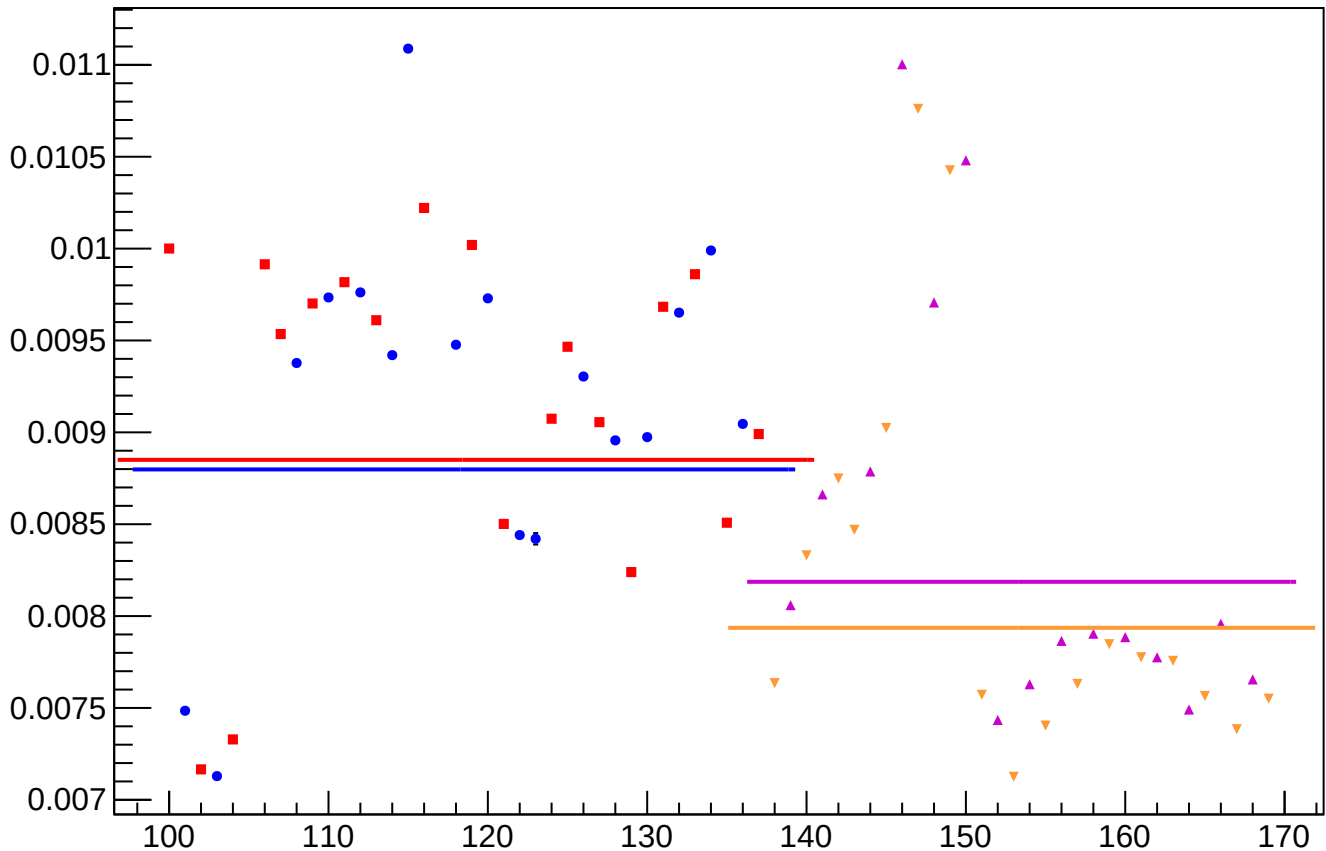
Left In: -1.226+/-0.000 χ^2/NDF : 4458475636.9/14

+ sign -1.150+/-0.000 χ^2/NDF : 10760324460.3/33

All: -1.172+/-0.000 χ^2/NDF : 19604189643.4/33

- sign -1.194+/-0.000 χ^2/NDF : 8597734239.4/33

yield_bpm0i02aY_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 151586.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:248496.1/16

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 173958.0/18

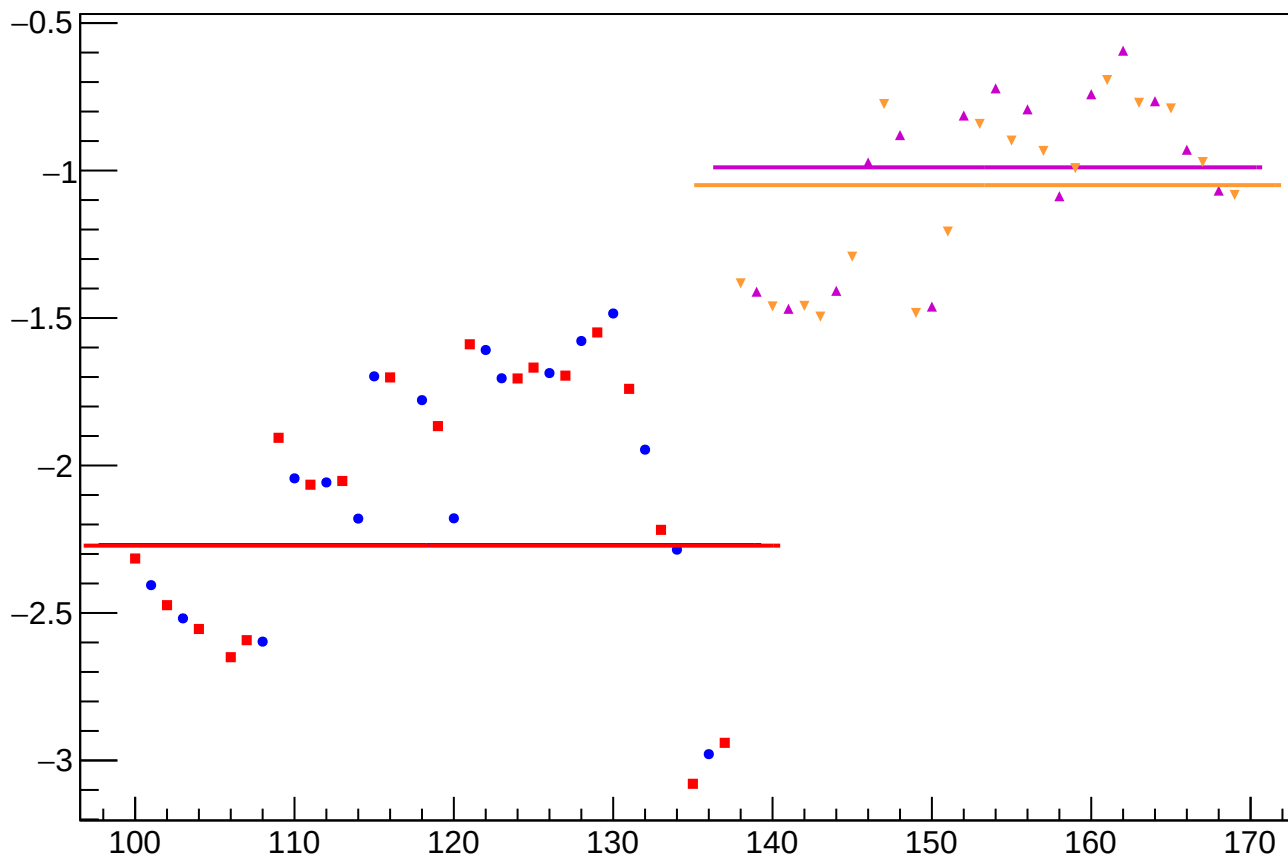
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:251186.7/14

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 484632.0/33

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 970093.9/67

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 473951.6/33

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.050+/-0.000 χ^2/NDF : 17539878514.7/16

Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

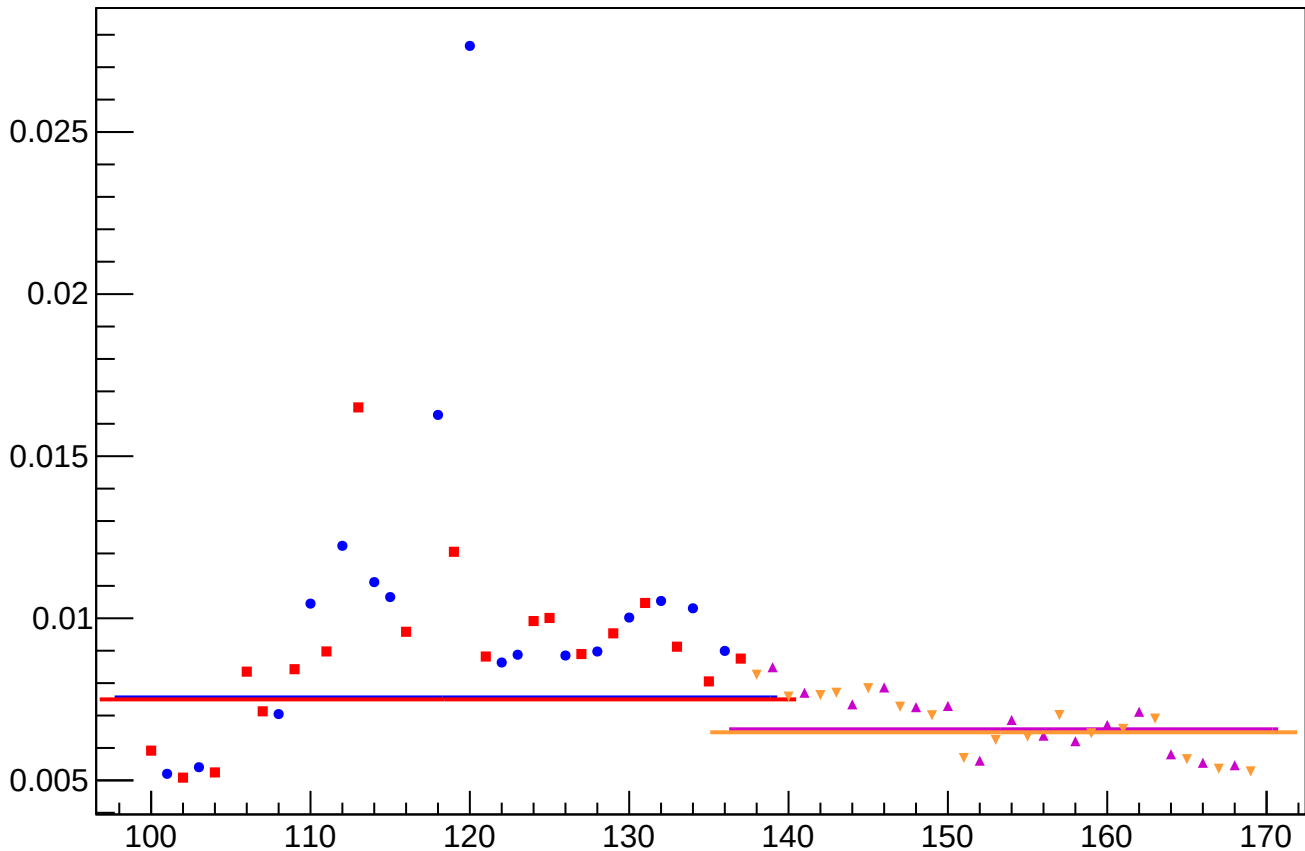
Left In: -0.989+/-0.000 χ^2/NDF : 17928417661.3/14

+ sign -1.349+/-0.000 χ^2/NDF : 133917697672.6/33

All: -1.353+/-0.000 χ^2/NDF : 287585398931.8

- sign -1.358+/-0.000 χ^2/NDF : 153654156858.1/33

yield_bpm0i05X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1221004.0/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 419163.2/16

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 933998.1/18

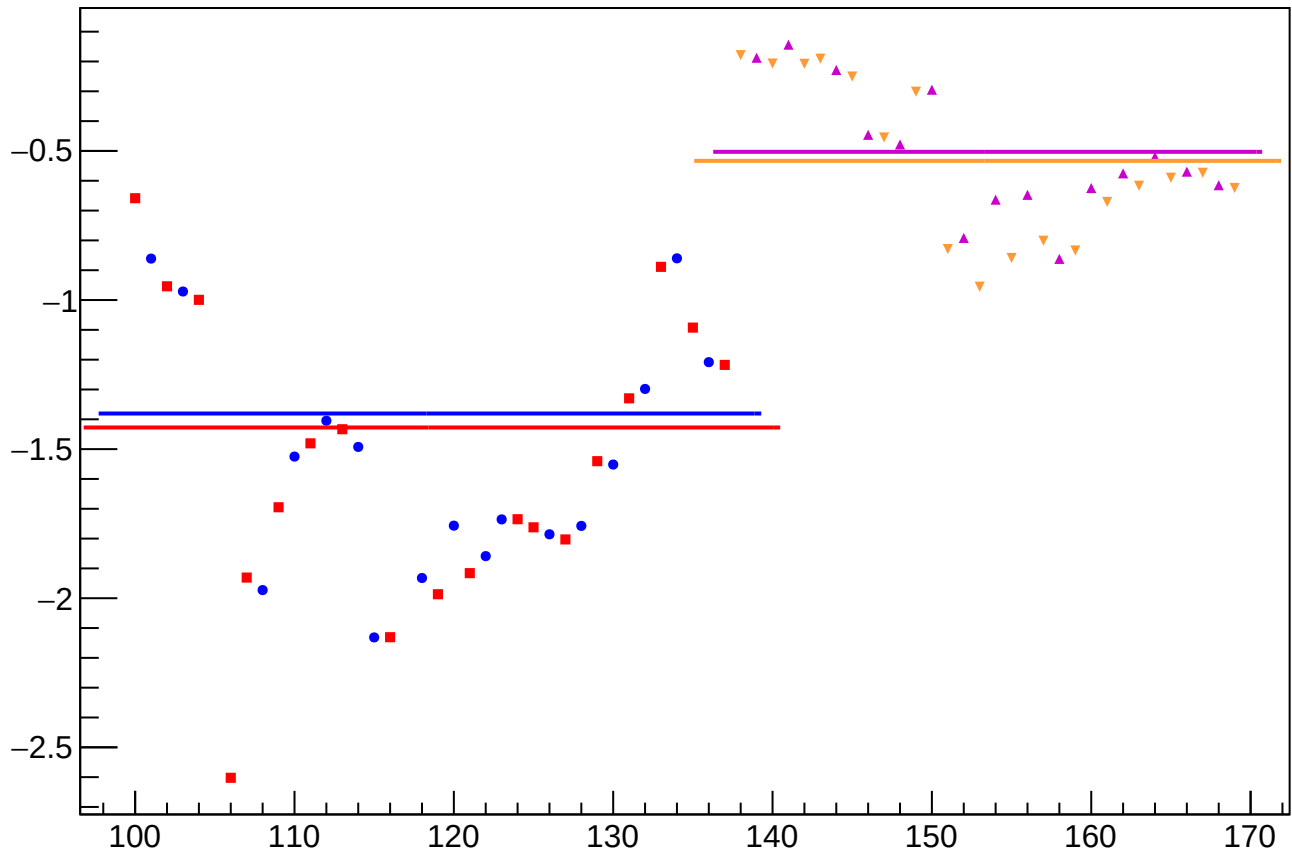
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 371520.0/14

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1793744.7/33

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3223313.6/67

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1426491.3/33

yield_bpm0i05Y_mean vs Slug



Right In: -1.381 ± 0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.533 ± 0.000 χ^2/NDF : 45009781569.2/16

Right Out: -1.427 ± 0.000 χ^2/NDF : 29616178528.0/18

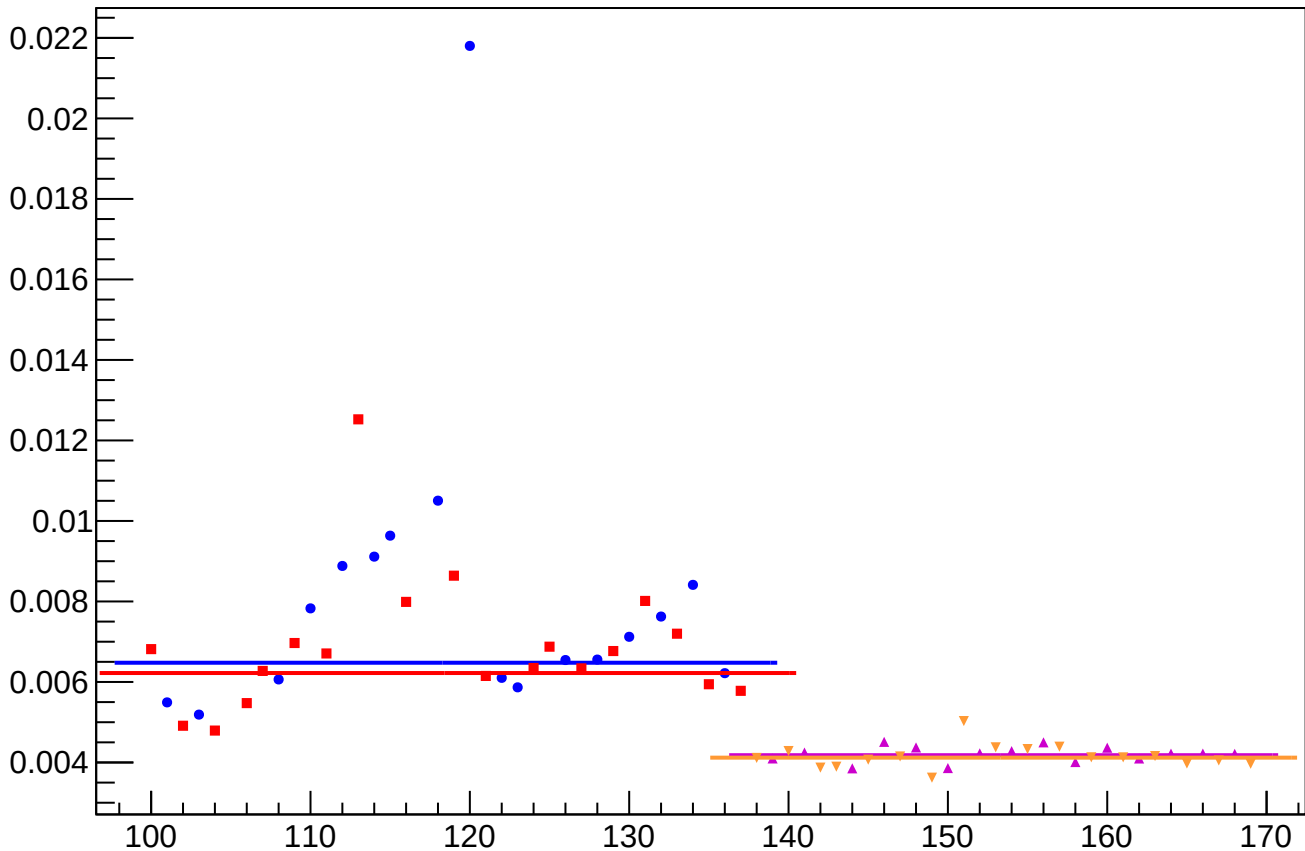
Left In: -0.503 ± 0.000 χ^2/NDF : 28825604018.6/14

+ sign -0.670 ± 0.000 χ^2/NDF : 143175961028.3/33

All: -0.679 ± 0.000 χ^2/NDF : 305618865970.4

- sign -0.688 ± 0.000 χ^2/NDF : 162320093874.6/33

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 572678.4/16

Left Out: 0.004+/-0.000 χ^2/NDF : 92356.3/16

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

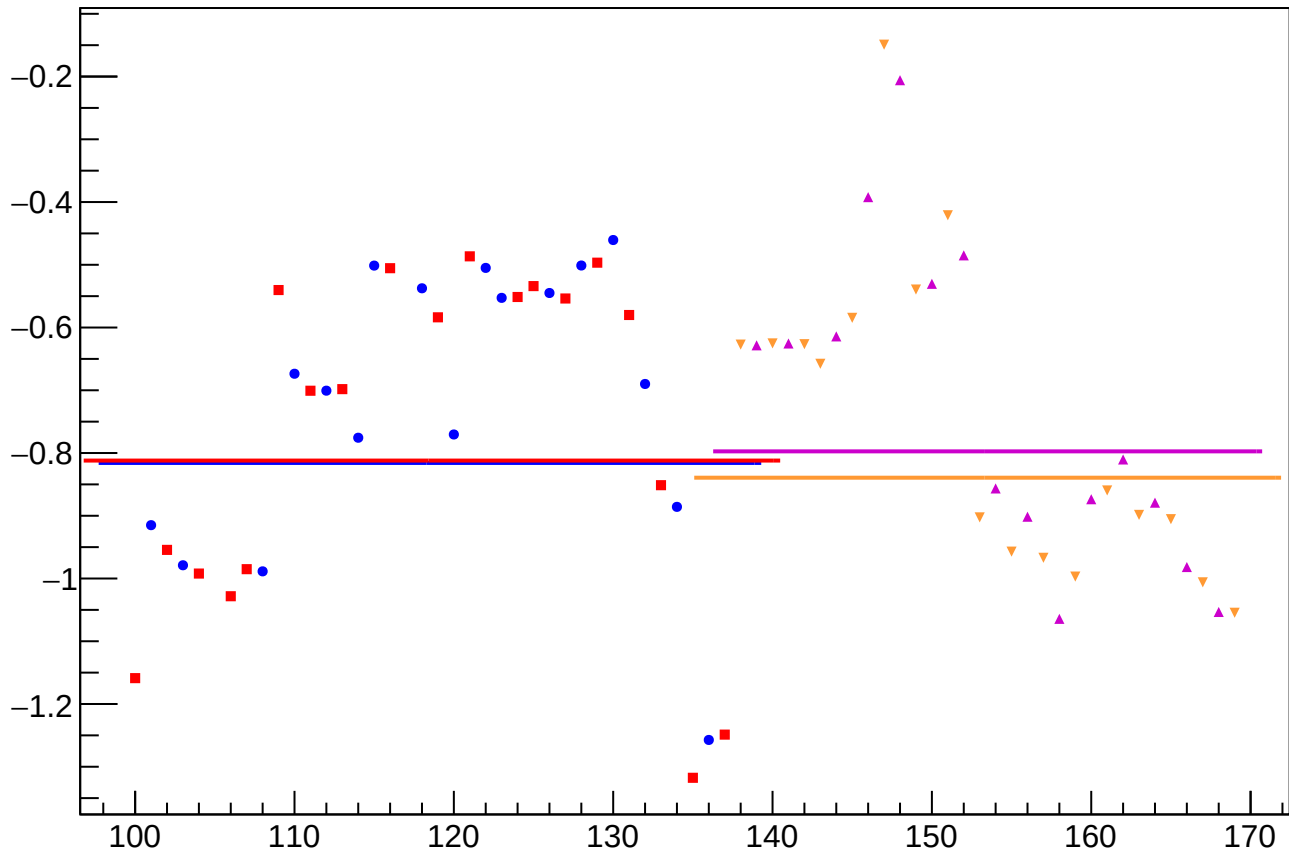
Left In: 0.004+/-0.000 χ^2/NDF : 46984.7/14

+ sign 0.005+/-0.000 χ^2/NDF : 1875566.4/33

All: 0.005+/-0.000 χ^2/NDF : 3365137.8/67

- sign 0.005+/-0.000 χ^2/NDF : 1483490.0/33

yield_bpm0i07X_mean vs Slug



Right In: -0.816 ± 0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.839 ± 0.000 χ^2/NDF : 33355404049.0/16

Right Out: -0.812 ± 0.000 χ^2/NDF : 16815852448.9/18

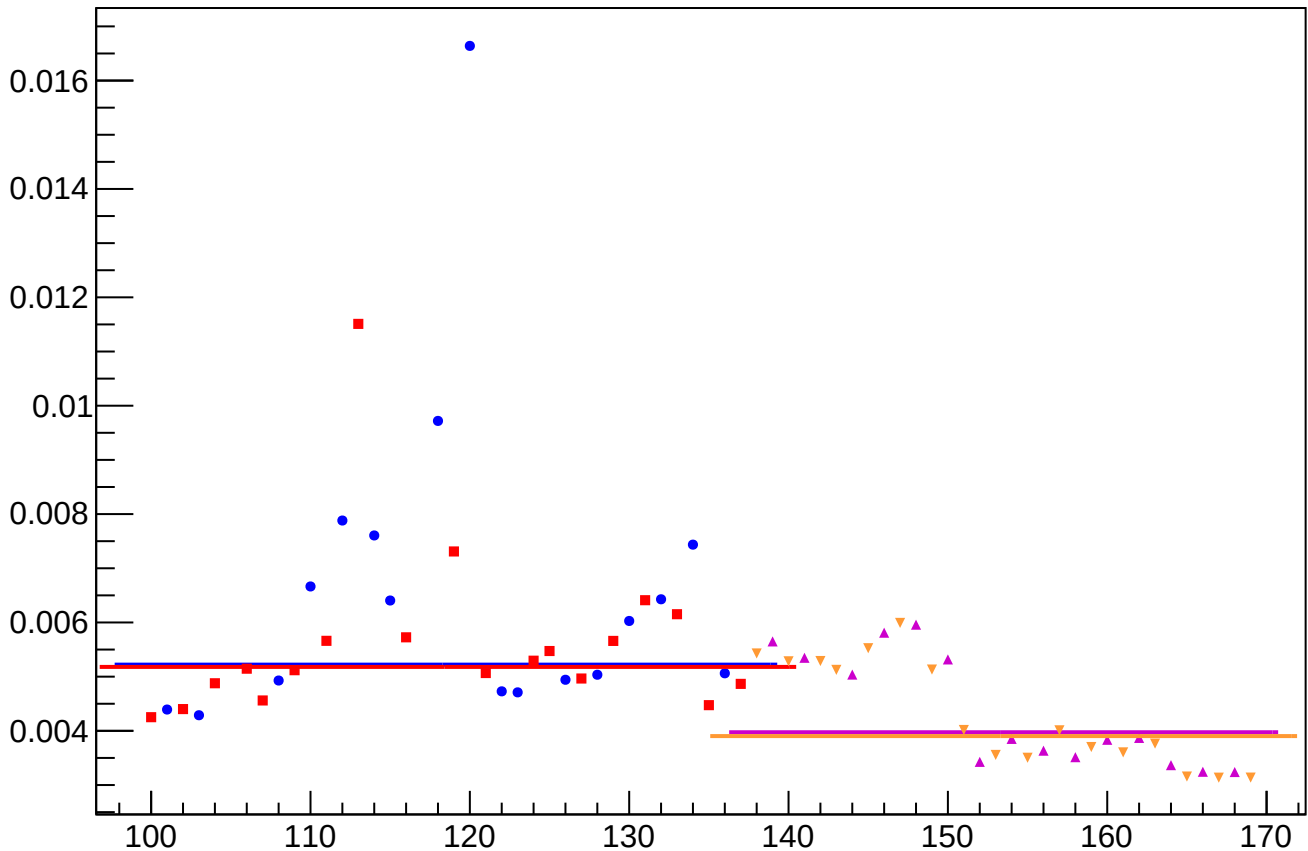
Left In: -0.797 ± 0.000 χ^2/NDF : 34251448985.0/14

+ sign -0.834 ± 0.000 χ^2/NDF : 47613898340.7/33

All: -0.818 ± 0.000 χ^2/NDF : 99217171190.0/33

- sign -0.801 ± 0.000 χ^2/NDF : 51102934347.8/33

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 664386.8/16

Left Out: 0.004+/-0.000 χ^2/NDF : 998541.1/16

Right Out: 0.005+/-0.000 χ^2/NDF : 363781.3/18

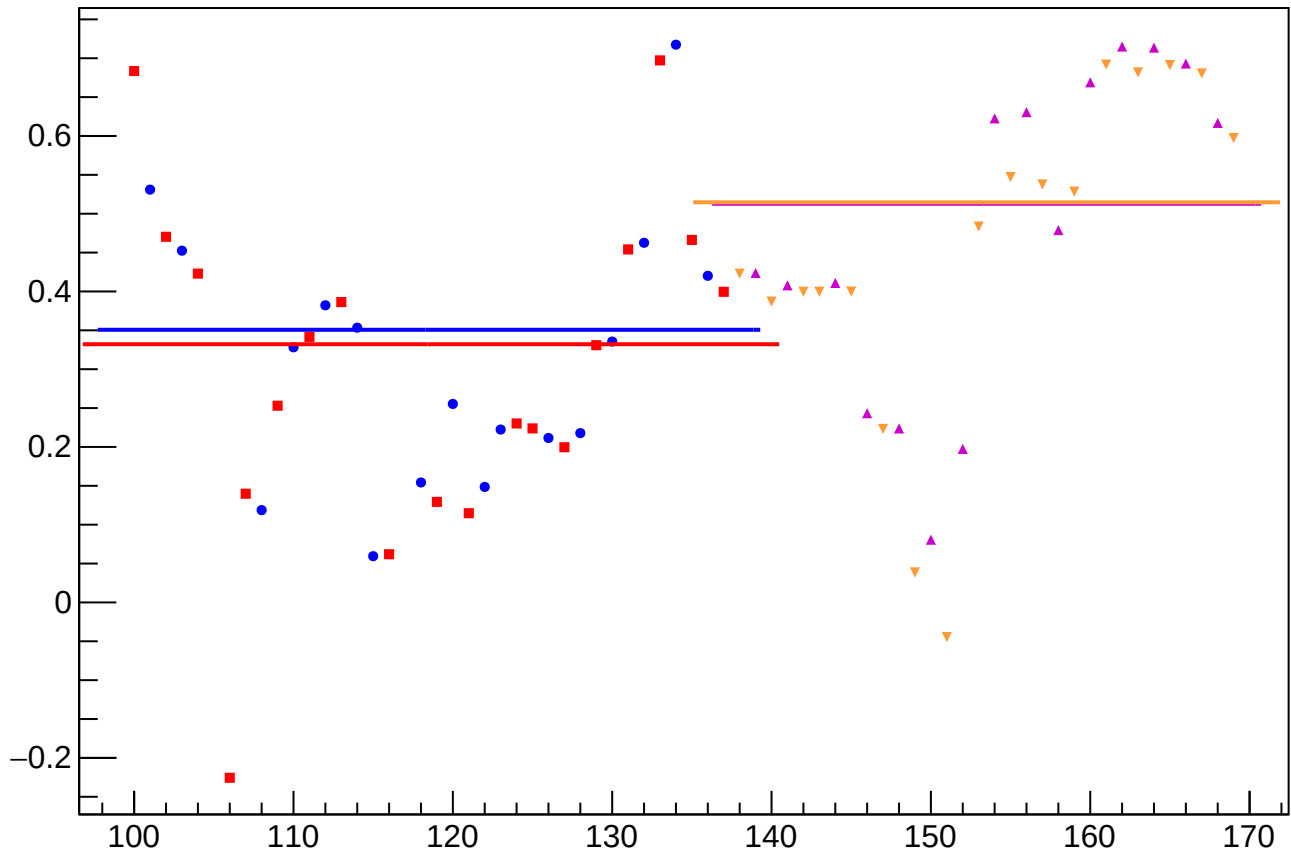
Left In: 0.004+/-0.000 χ^2/NDF : 953596.4/14

+ sign 0.004+/-0.000 χ^2/NDF : 2200037.7/33

All: 0.004+/-0.000 χ^2/NDF : 4007234.9/67

- sign 0.004+/-0.000 χ^2/NDF : 1799078.2/33

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.515+/-0.000 χ^2/NDF : 37901127668.0/16

Right Out: 0.332+/-0.000 χ^2/NDF : 11796213425.9/18

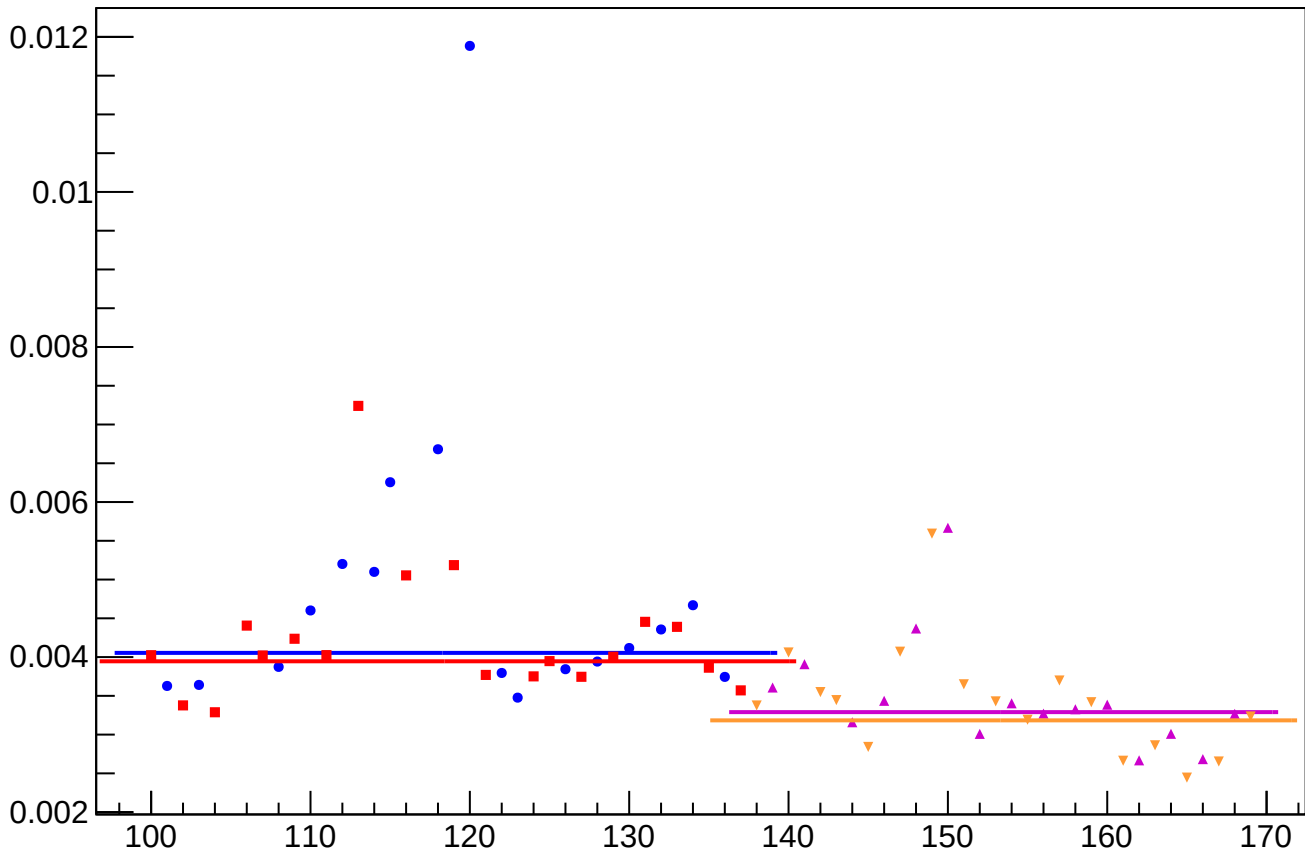
Left In: 0.513+/-0.000 χ^2/NDF : 34280090139.7/14

+ sign 0.474+/-0.000 χ^2/NDF : 52350041348.3/33

All: 0.467+/-0.000 χ^2/NDF : 107626703821.2

- sign 0.459+/-0.000 χ^2/NDF : 55120729895.5/33

yield_bpm0i07Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 455318.3/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 708544.2/16

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

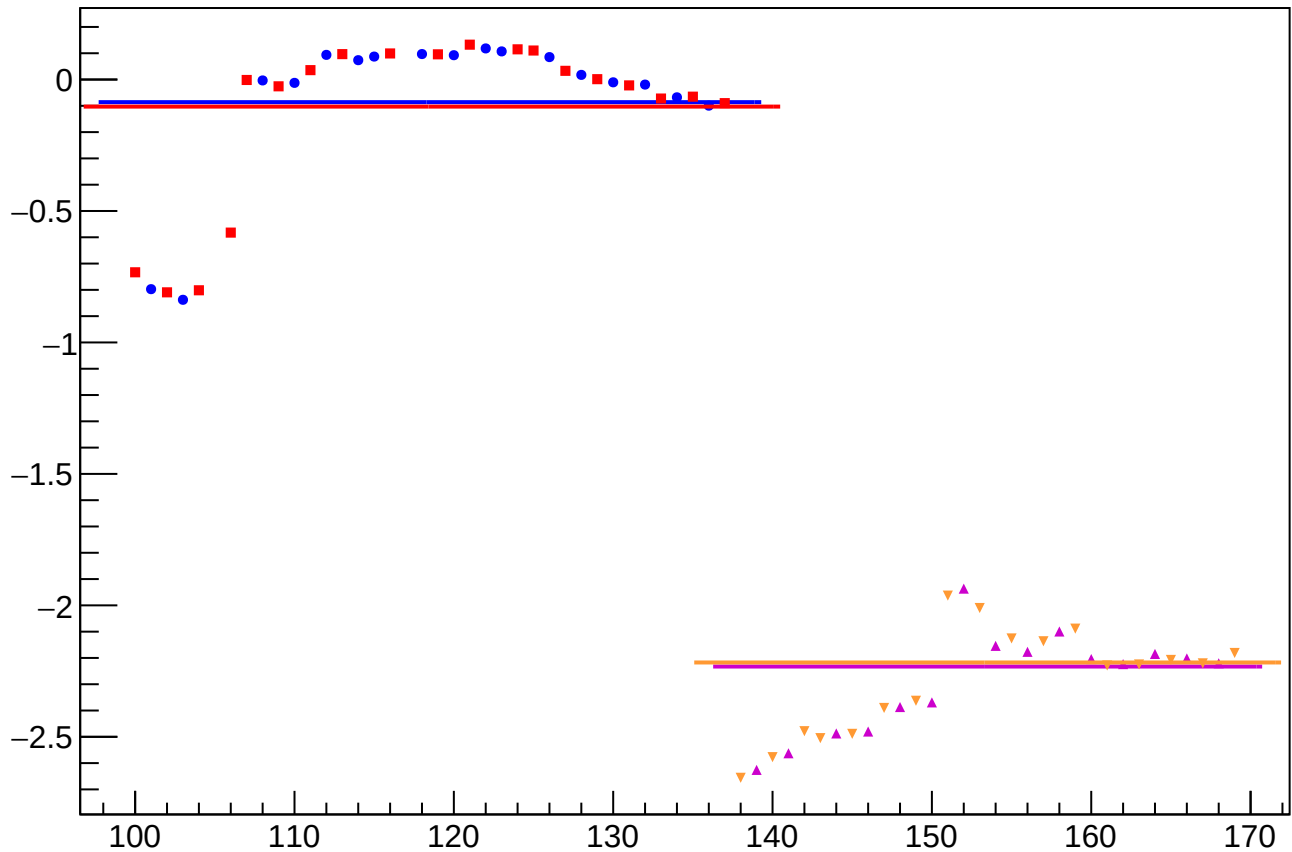
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 556873.4/14

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1560377.1/33

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2626555.4/67

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1055932.7/33

yield_bpm1i02X_mean vs Slug



Right In: -0.086 ± 0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.217 ± 0.000 χ^2/NDF : 3426152907.1/16

Right Out: -0.103 ± 0.000 χ^2/NDF : 5553039516.7/18

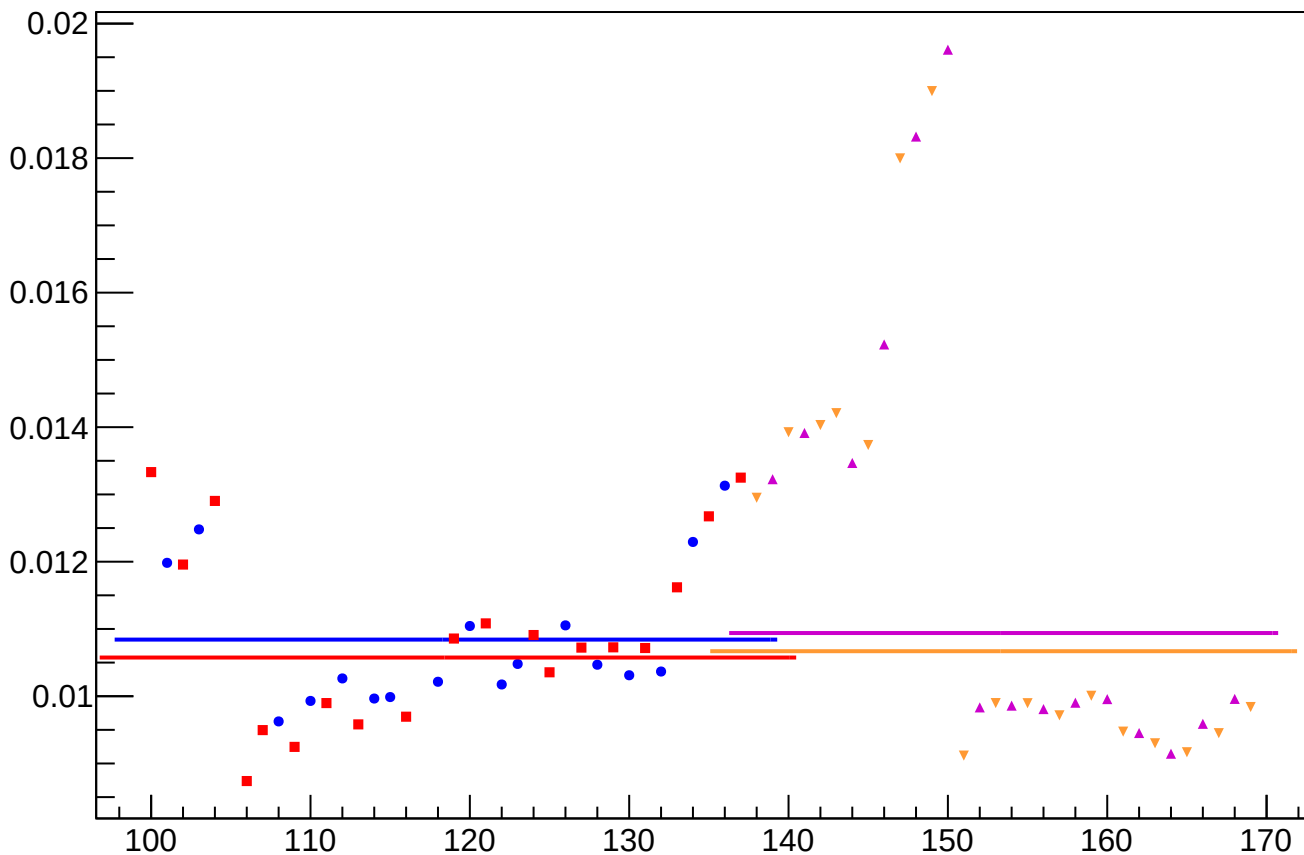
Left In: -2.233 ± 0.000 χ^2/NDF : 2690609579.5/14

+ sign -1.475 ± 0.000 χ^2/NDF : 175509749118.9/33

All: -1.424 ± 0.000 χ^2/NDF : 354010013325.7

- sign -1.371 ± 0.000 χ^2/NDF : 177659268395.0/33

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 1115470.9/16

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

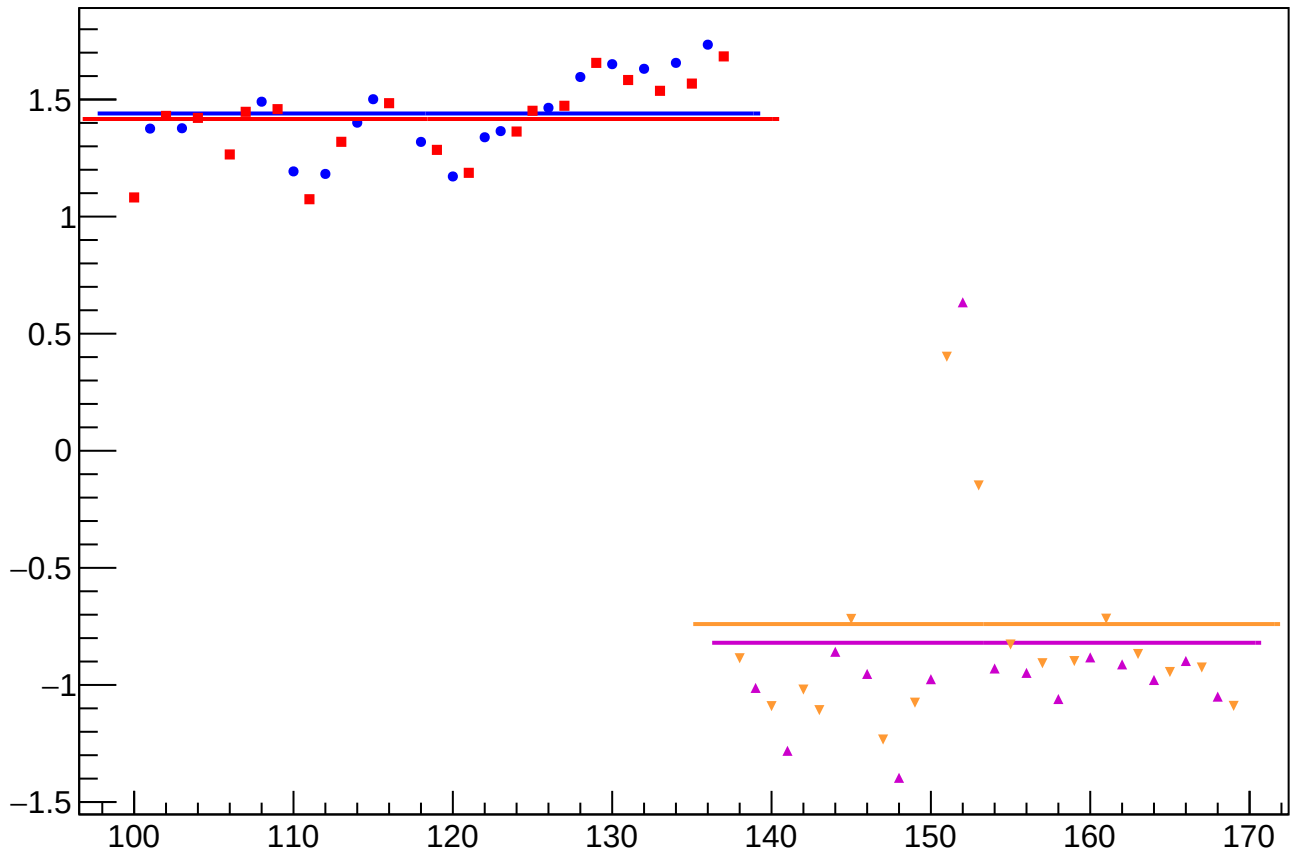
Left In: 0.011+/-0.000 χ^2/NDF : 1118705.4/14

+ sign 0.011+/-0.000 χ^2/NDF : 1241923.1/33

All: 0.011+/-0.000 χ^2/NDF : 2550132.2/67

- sign 0.011+/-0.000 χ^2/NDF : 1307584.7/33

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.740 $\pm$ 0.000 χ^2 /NDF: 32482368761.2/16

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

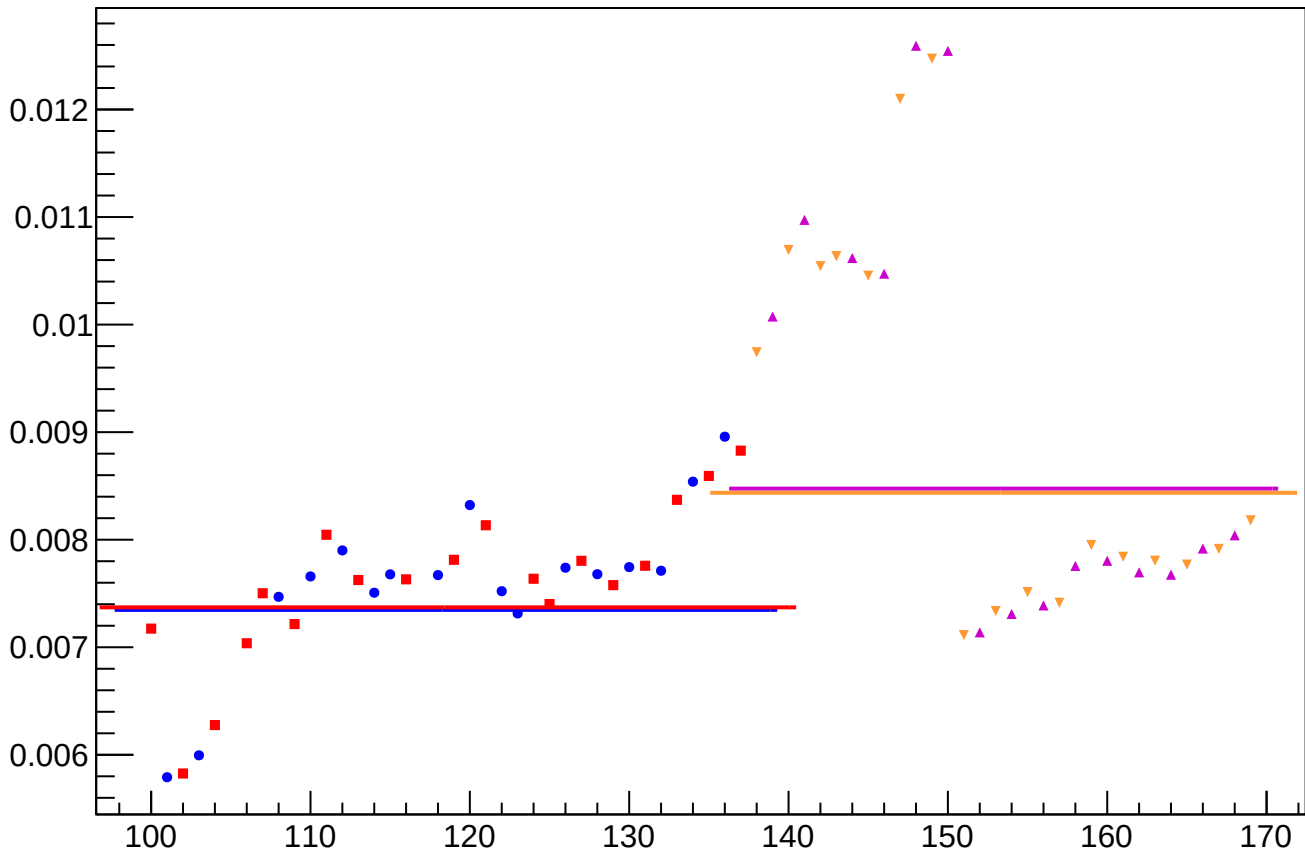
Left In: -0.820 $\pm$ 0.000 χ^2 /NDF: 40320486868.1/14

+ sign 0.166 $\pm$ 0.000 χ^2 /NDF: 374909974948.2/33

All: 0.179 $\pm$ 0.000 χ^2 /NDF: 771802984225.5

- sign 0.192 $\pm$ 0.000 χ^2 /NDF: 396799022466.0/33

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.008+/-0.000 χ^2/NDF : 740560.1/16

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

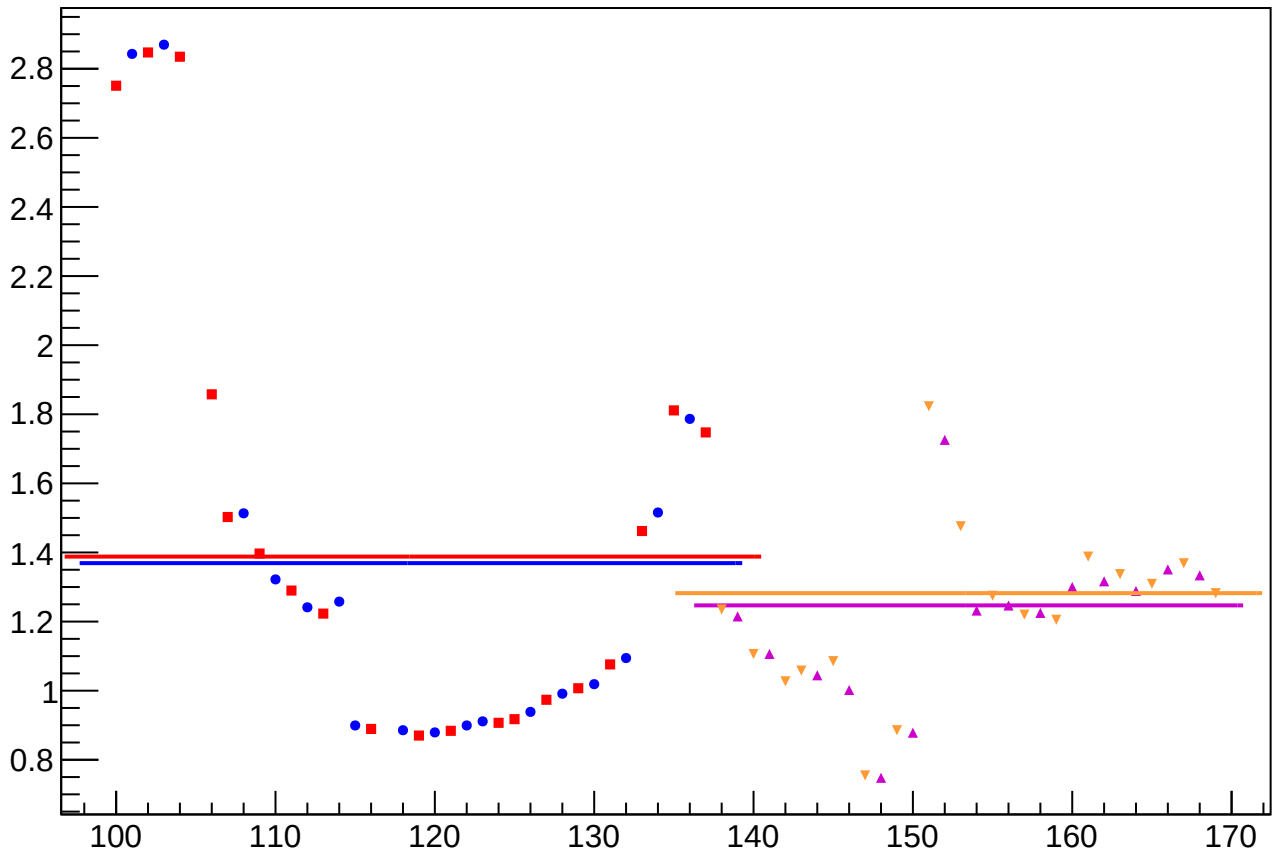
Left In: 0.008+/-0.000 χ^2/NDF : 801844.5/14

+ sign 0.008+/-0.000 χ^2/NDF : 1137680.8/33

All: 0.008+/-0.000 χ^2/NDF : 2284561.8/67

- sign 0.008+/-0.000 χ^2/NDF : 1146862.1/33

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.282+/-0.000 χ^2/NDF : 9115161837.4/16

Right Out: 1.388+/-0.000 χ^2/NDF : 49900245868.0/18

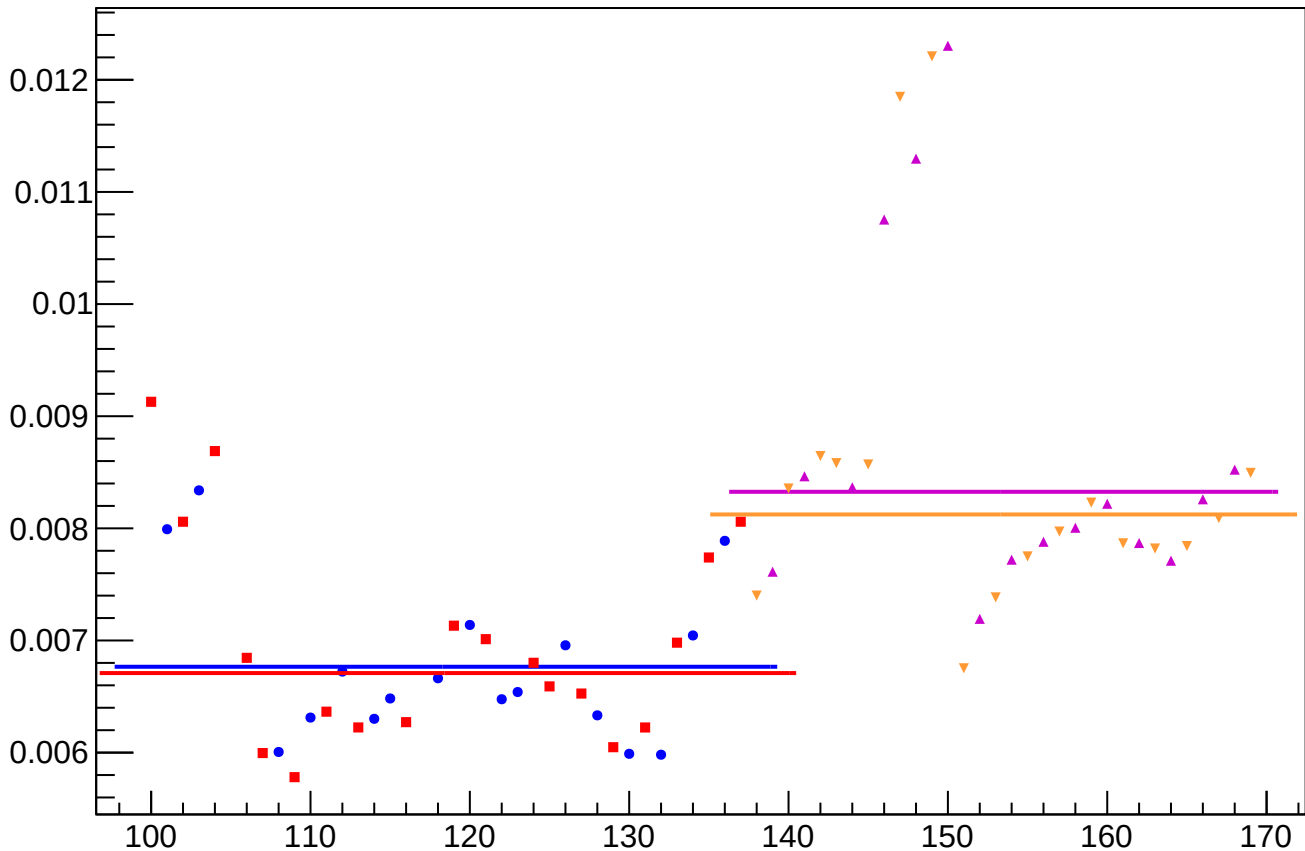
Left In: 1.247+/-0.000 χ^2/NDF : 7233513892.8/14

+ sign 1.321+/-0.000 χ^2/NDF : 63929395709.9/33

All: 1.318+/-0.000 χ^2/NDF : 122643663679.4

- sign 1.316+/-0.000 χ^2/NDF : 58711025554.1/33

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 159554.9/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 414279.0/16

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 187826.7/18

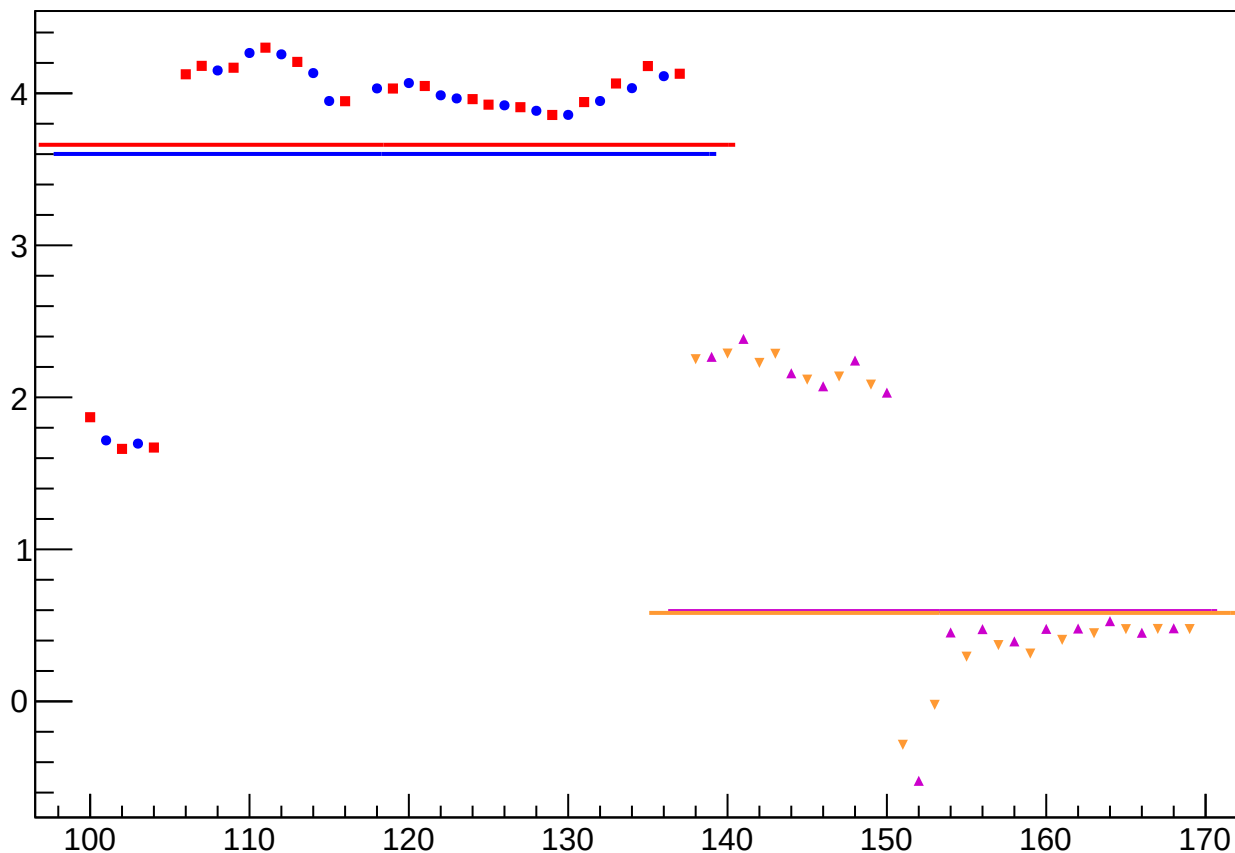
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 428897.2/14

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 871313.9/33

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 1901552.9/67

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1030217.5/33

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.582+/-0.000 χ^2/NDF : 257534707677.6/16

Right Out: 3.661+/-0.000 χ^2/NDF : 192519897222.5/18

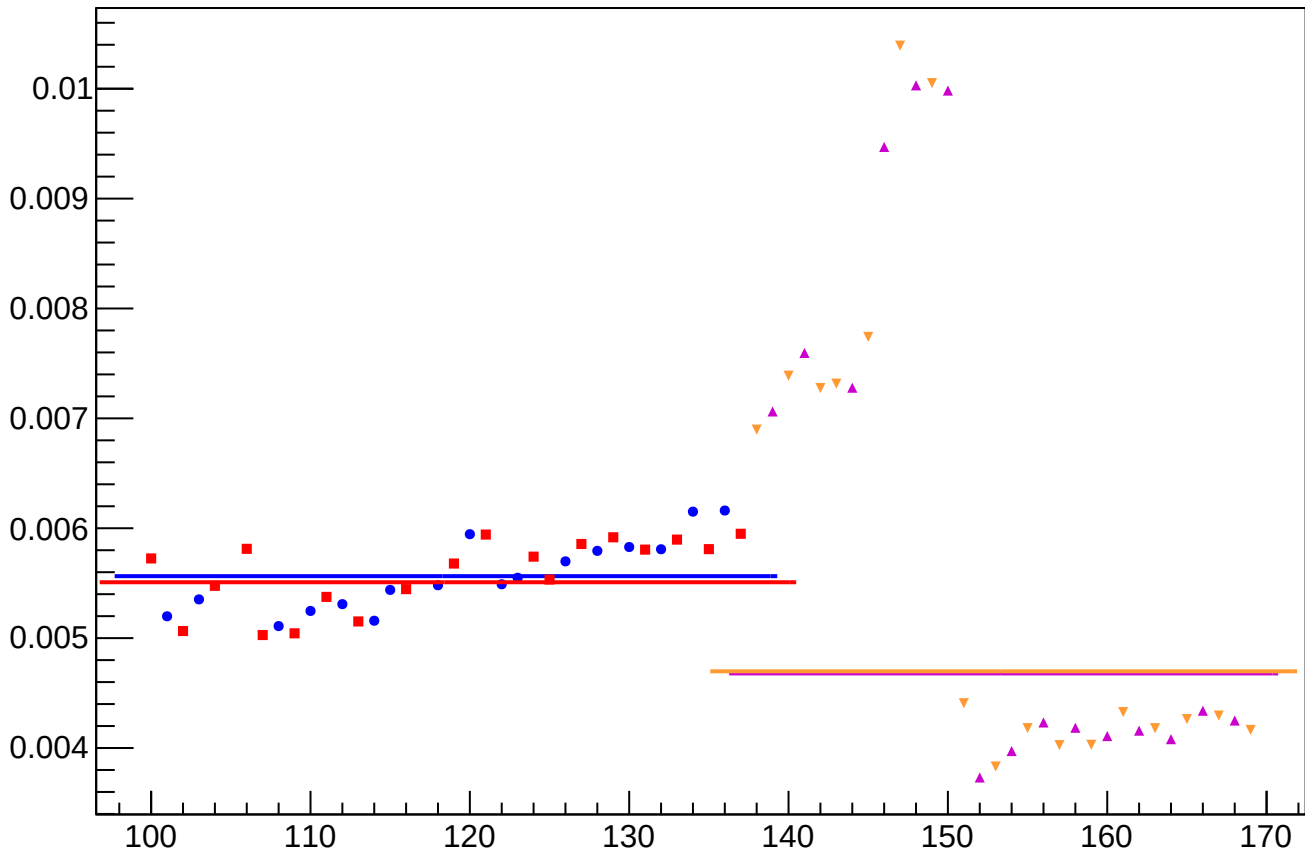
Left In: 0.594+/-0.000 χ^2/NDF : 253503406588.4/14

+ sign 1.489+/-0.000 χ^2/NDF : 1820286209038.3/33

All: 1.547+/-0.000 χ^2/NDF : 3715680381761.1

- sign 1.607+/-0.000 χ^2/NDF : 1890446939429.1/33

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.005+/-0.000 χ^2/NDF :1943456.0/16

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

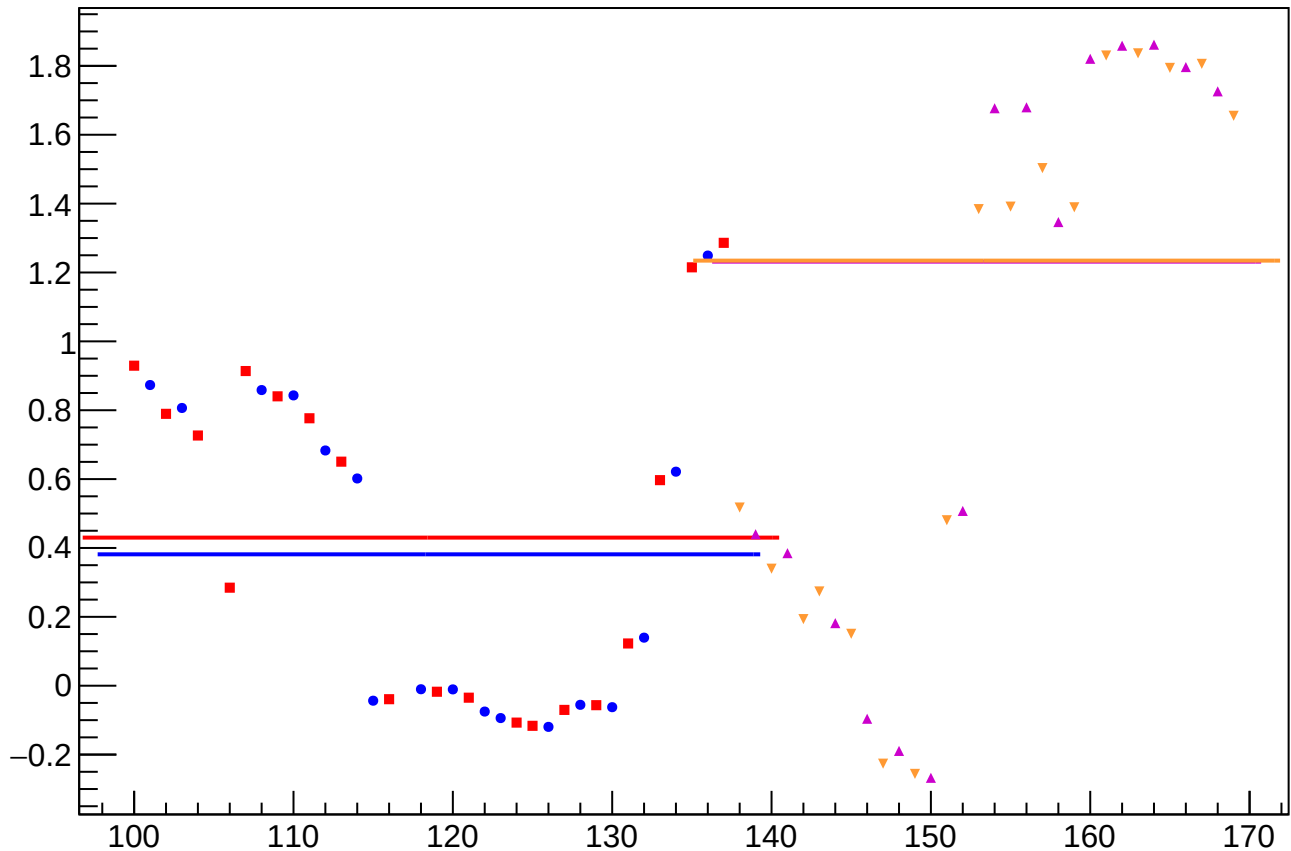
Left In: 0.005+/-0.000 χ^2/NDF :2120479.6/14

+ sign 0.005+/-0.000 χ^2/NDF : 2217686.4/33

All: 0.005+/-0.000 χ^2/NDF : 4602171.6/67

- sign 0.005+/-0.000 χ^2/NDF : 2384466.0/33

yield_bpm1i06X_mean vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 1.234 $\pm$ 0.000 χ^2 /NDF:39338624740.2/16

Right Out: 0.430 $\pm$ 0.000 χ^2 /NDF: 6676199135.9/18

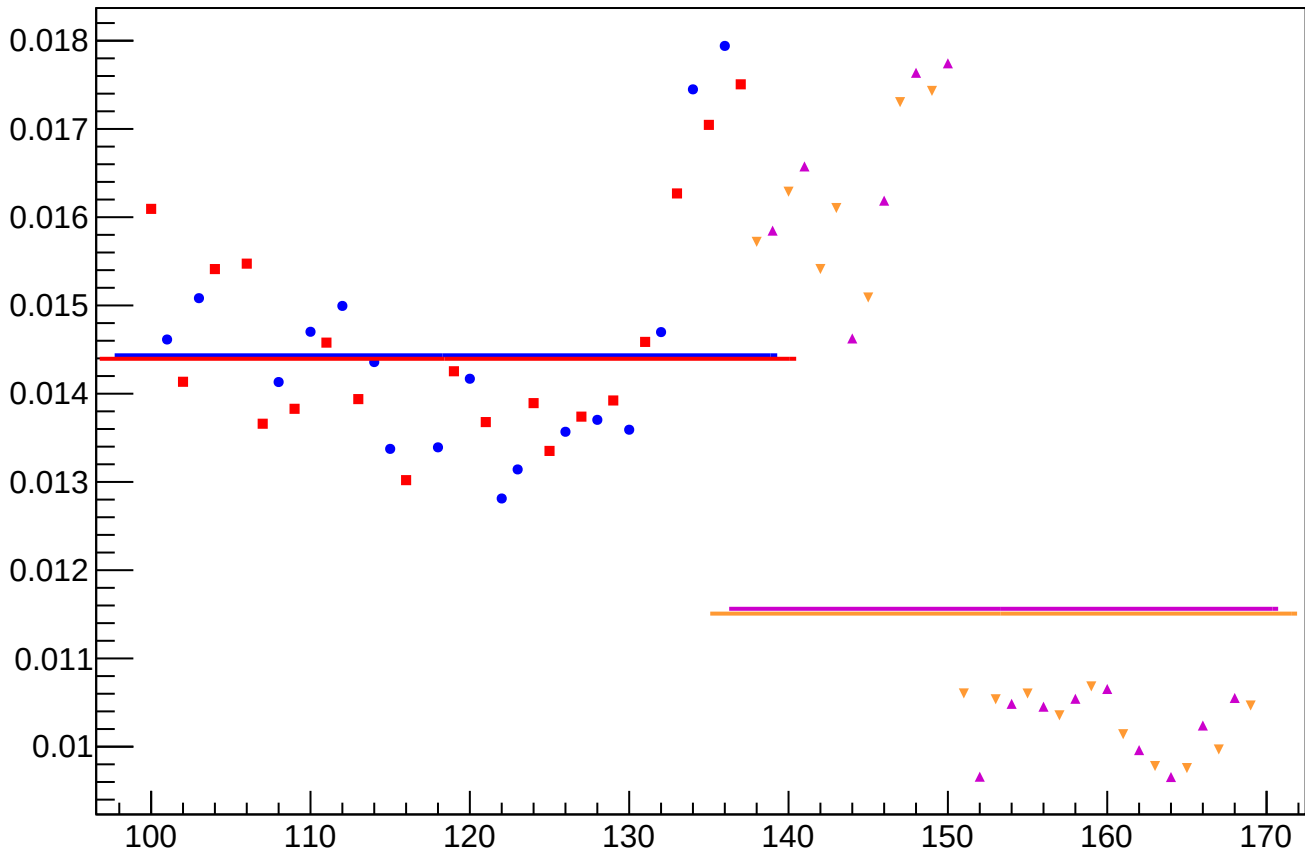
Left In: 1.231 $\pm$ 0.000 χ^2 /NDF:43841044843.7/14

+ sign 1.012 $\pm$ 0.000 χ^2 /NDF: 63561476760.3/33

All: 1.006 $\pm$ 0.000 χ^2 /NDF: 129387606719.2

- sign 1.000 $\pm$ 0.000 χ^2 /NDF: 65817054749.2/33

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:1070448.9/16

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 74531.6/18

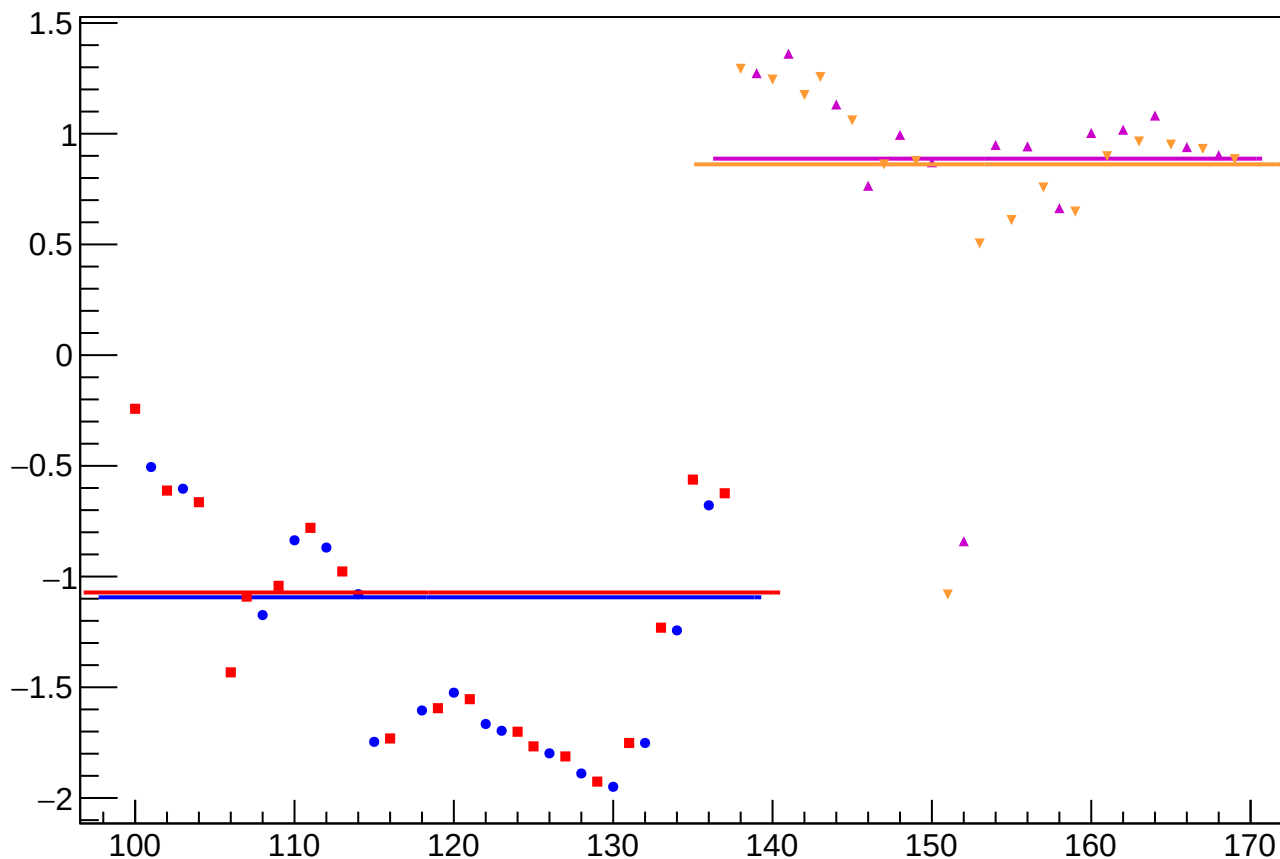
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1095294.9/14

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1583427.4/33

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3137117.1/67

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1552230.5/33

yield_bpm1i06Y_mean vs Slug



Right In: -1.094 ± 0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.862 ± 0.000 χ^2/NDF : 124799773236.2/16

Right Out: -1.072 ± 0.000 χ^2/NDF : 46896017480.0/18

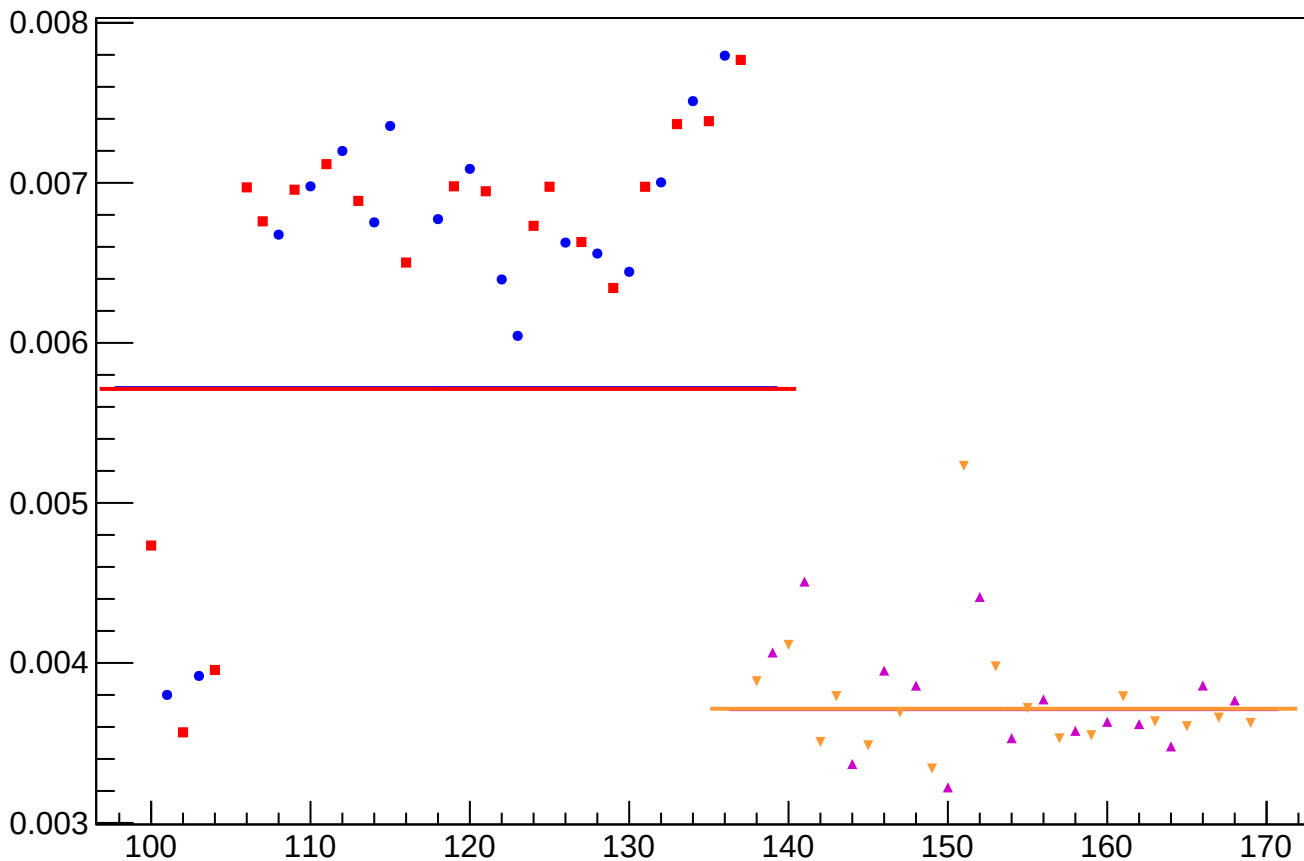
Left In: 0.887 ± 0.000 χ^2/NDF : 145722006356.5/14

+ sign 0.508 ± 0.000 χ^2/NDF : 749747001050.3/33

All: 0.503 ± 0.000 χ^2/NDF : 1522991169585.

- sign 0.497 ± 0.000 χ^2/NDF : 773183978404.2/33

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 837775.0/16

Left Out: 0.004+/-0.000 χ^2/NDF :162239.6/16

Right Out: 0.006+/-0.000 χ^2/NDF : 923899.1/18

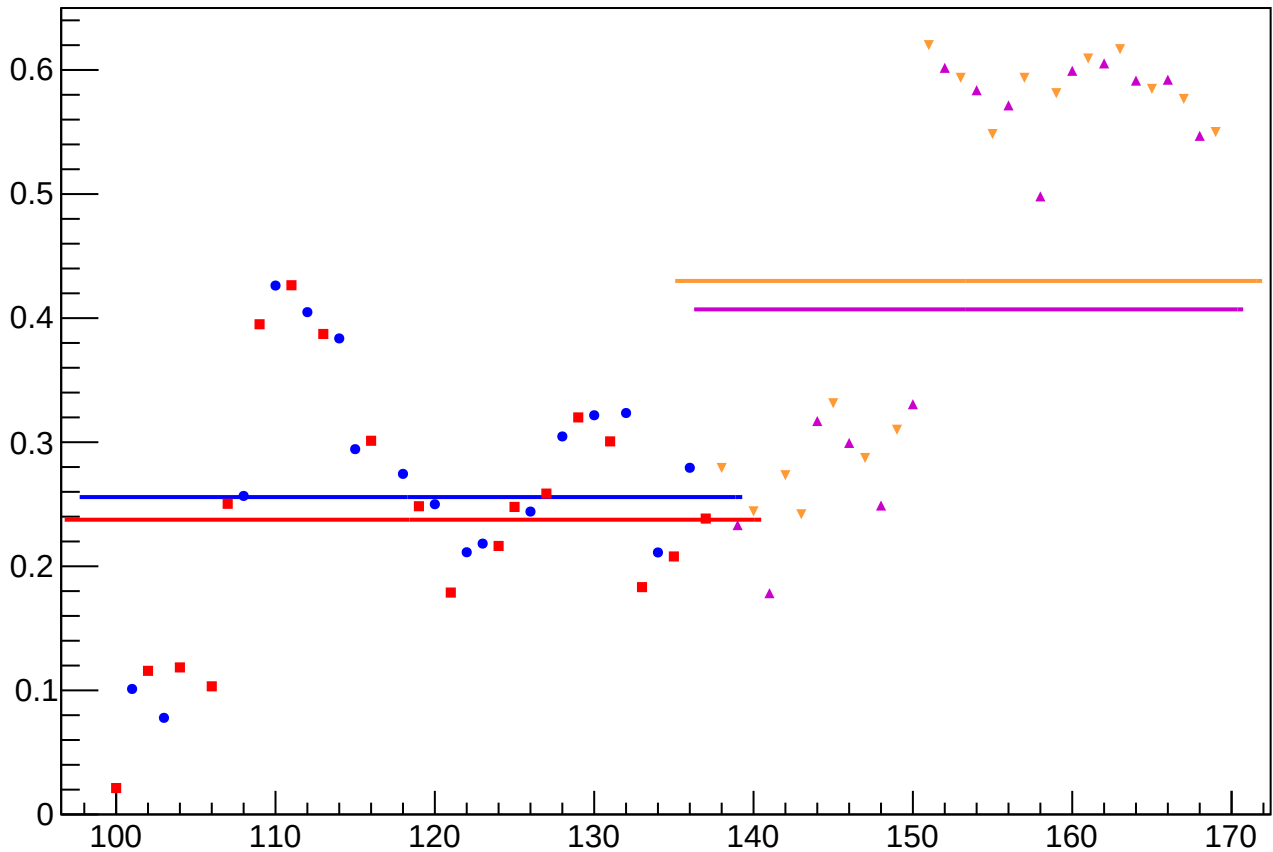
Left In: 0.004+/-0.000 χ^2/NDF :170763.7/14

+ sign 0.004+/-0.000 χ^2/NDF : 2195046.2/33

All: 0.004+/-0.000 χ^2/NDF : 4502183.0/67

- sign 0.004+/-0.000 χ^2/NDF : 2306010.4/33

yield_bpm2i01X_mean vs Slug



Right In: 0.256 $\pm$ 0.000 χ^2 /NDF: 21365489849.4/16

Left Out: 0.430 $\pm$ 0.000 χ^2 /NDF:82640355625.7/16

Right Out: 0.238 $\pm$ 0.000 χ^2 /NDF: 26057284646.9/18

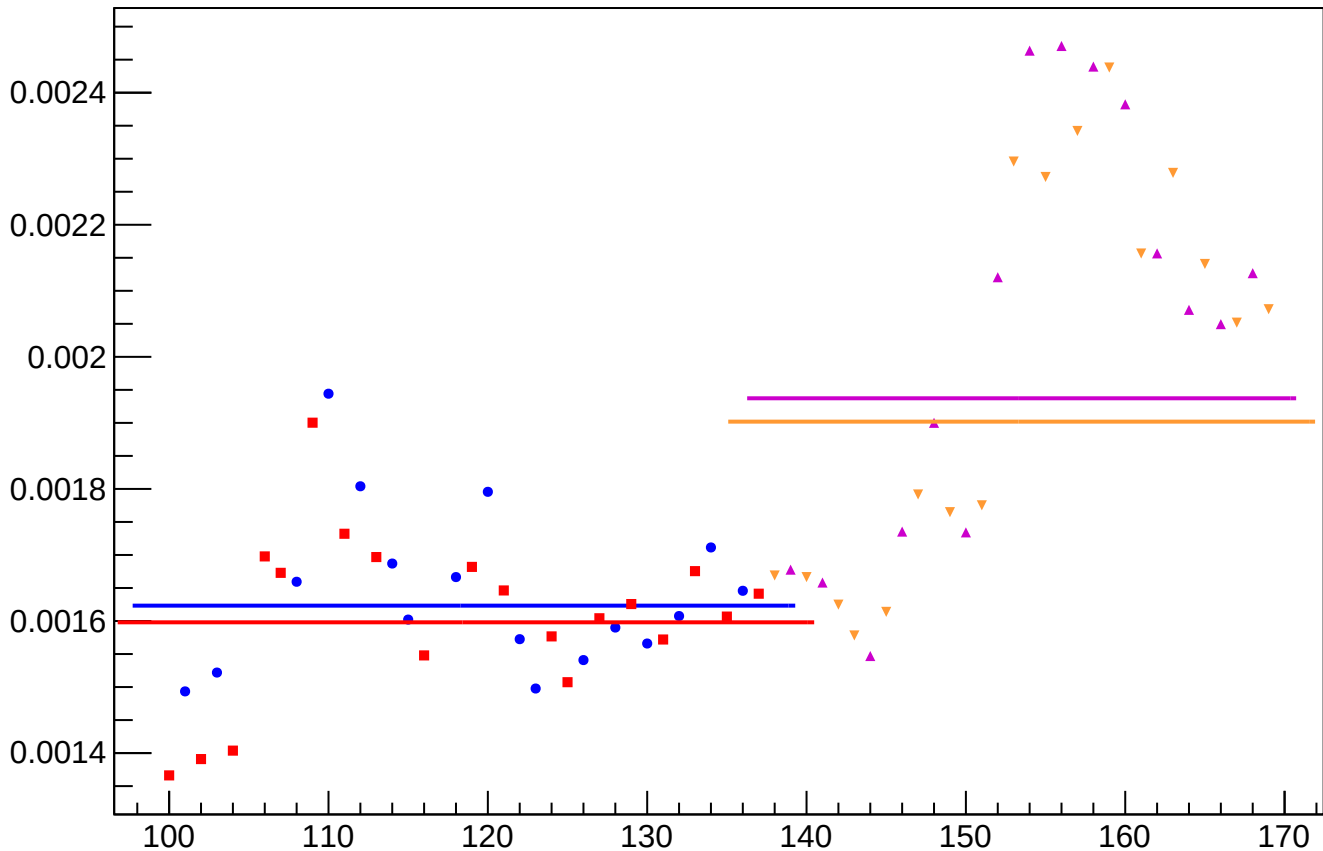
Left In: 0.407 $\pm$ 0.000 χ^2 /NDF:75779006979.1/14

+ sign 0.357 $\pm$ 0.000 χ^2 /NDF: 147136338864.7/33

All: 0.342 $\pm$ 0.000 χ^2 /NDF: 292621011517.7

- sign 0.326 $\pm$ 0.000 χ^2 /NDF: 142727101499.3/33

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 52468.7/16

Left Out: 0.002+/-0.000 χ^2/NDF : 529267.5/16

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

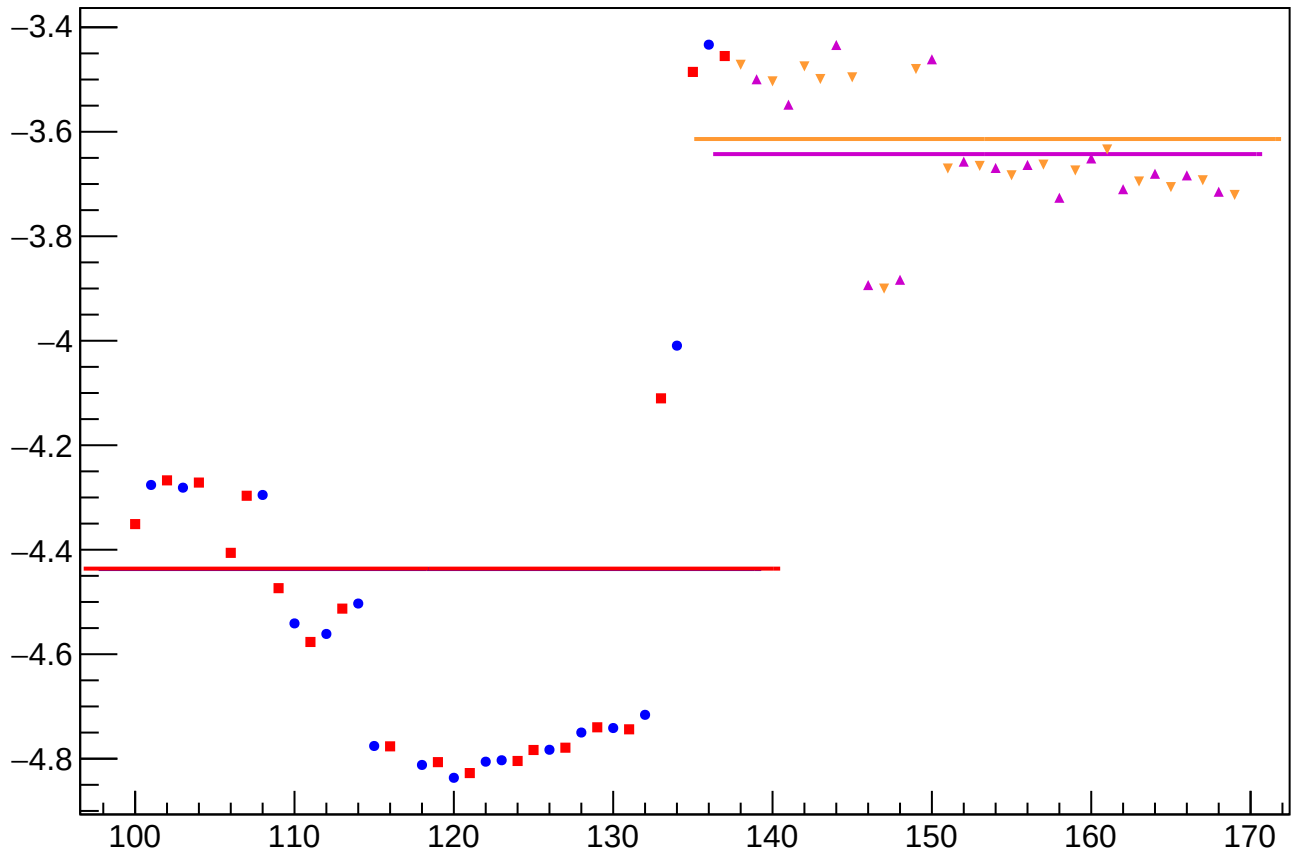
Left In: 0.002+/-0.000 χ^2/NDF : 553336.9/14

+ sign 0.002+/-0.000 χ^2/NDF : 802415.5/33

All: 0.002+/-0.000 χ^2/NDF : 1774524.9/67

- sign 0.002+/-0.000 χ^2/NDF : 971539.1/33

yield_bpm2i01Y_mean vs Slug



Right In: -4.437 ± 0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.614 ± 0.000 χ^2/NDF : 36103222077.9/16

Right Out: -4.436 ± 0.000 χ^2/NDF : 325183860699.4/18

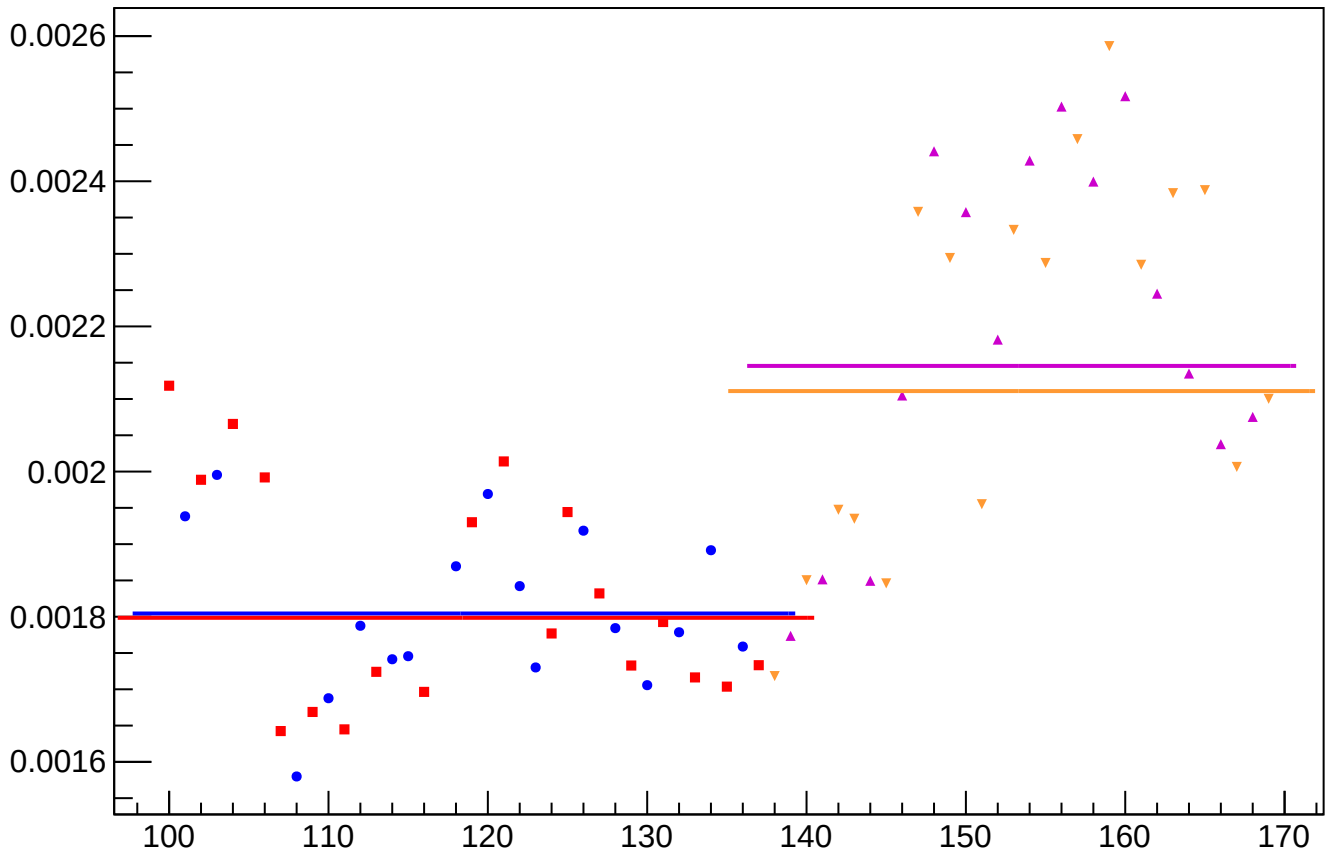
Left In: -3.643 ± 0.000 χ^2/NDF : 44093621528.0/14

+ sign -3.961 ± 0.000 χ^2/NDF : 1211230041787.5/3

All: -3.985 ± 0.000 χ^2/NDF : 2303359180792

- sign -4.011 ± 0.000 χ^2/NDF : 1086478455633.1/3

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 49103.2/16

Left Out: 0.002+/-0.000 χ^2/NDF : 342721.6/16

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

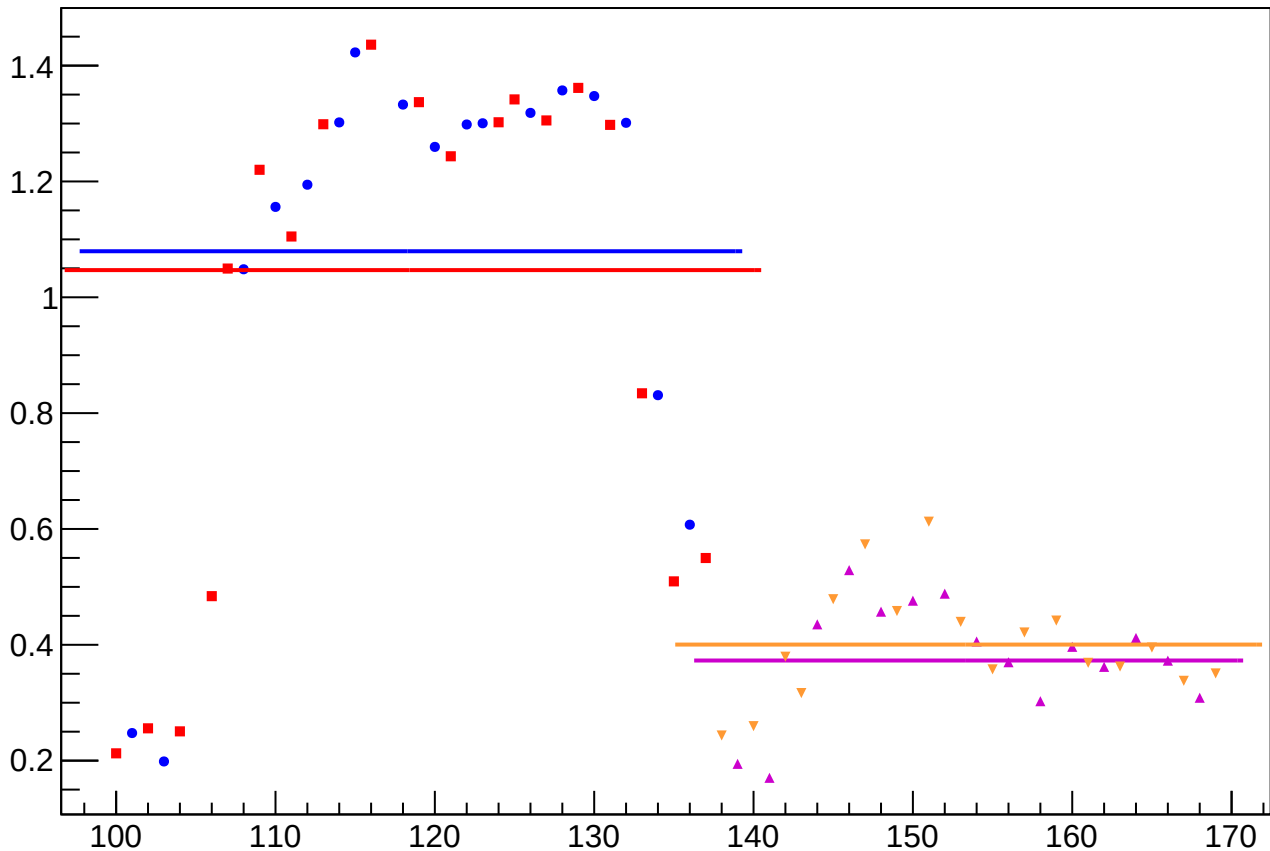
Left In: 0.002+/-0.000 χ^2/NDF : 295292.2/14

+ sign 0.002+/-0.000 χ^2/NDF : 608733.2/33

All: 0.002+/-0.000 χ^2/NDF : 1259523.4/67

- sign 0.002+/-0.000 χ^2/NDF : 650744.1/33

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.400 $\pm$ 0.000 χ^2 /NDF:1287713577.9/16

+ sign 0.716 $\pm$ 0.000 χ^2 /NDF: 48994625672.7/33

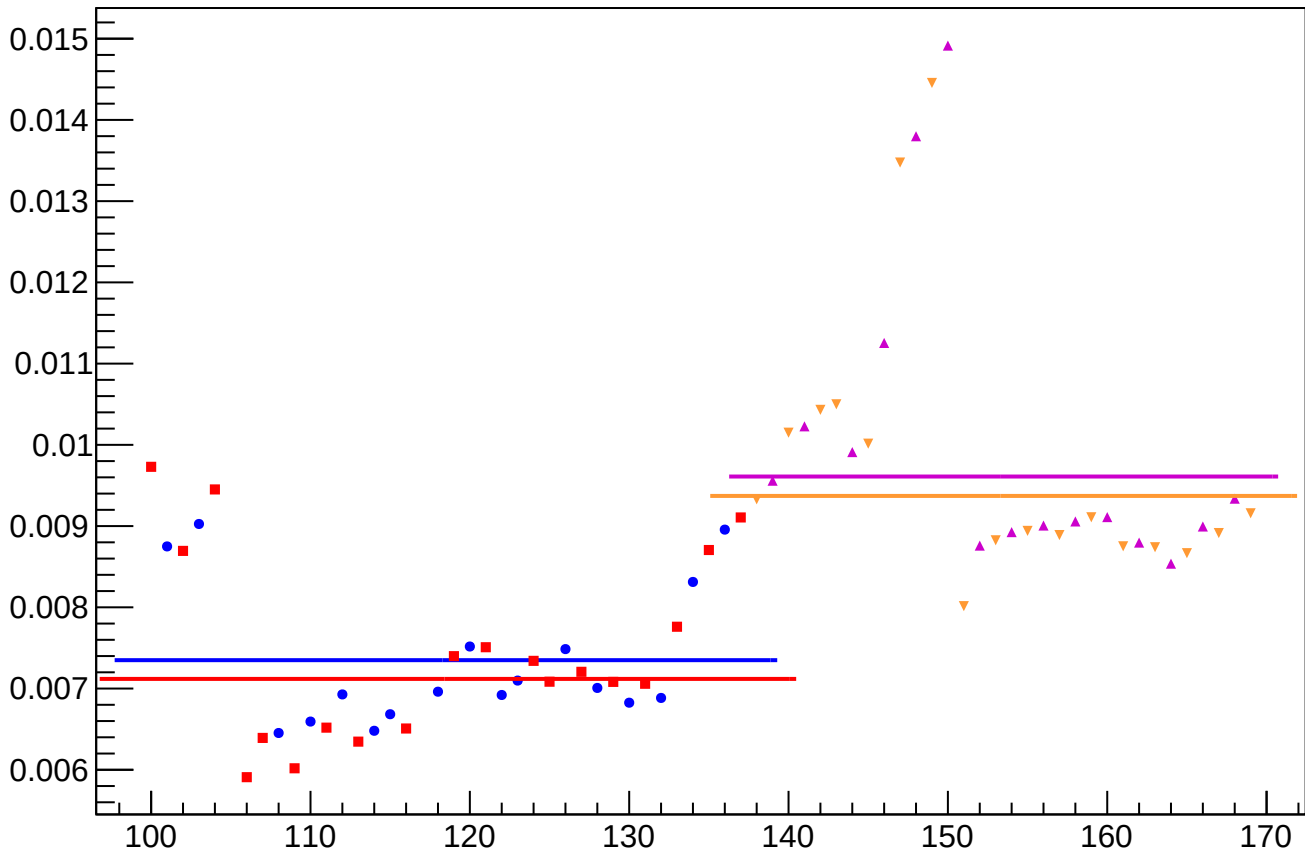
Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

All: 0.722 $\pm$ 0.000 χ^2 /NDF: 99322892681.5/6

Left In: 0.373 $\pm$ 0.000 χ^2 /NDF:1087704174.6/14

- sign 0.729 $\pm$ 0.000 χ^2 /NDF: 50308314575.5/33

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 471066.6/16

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

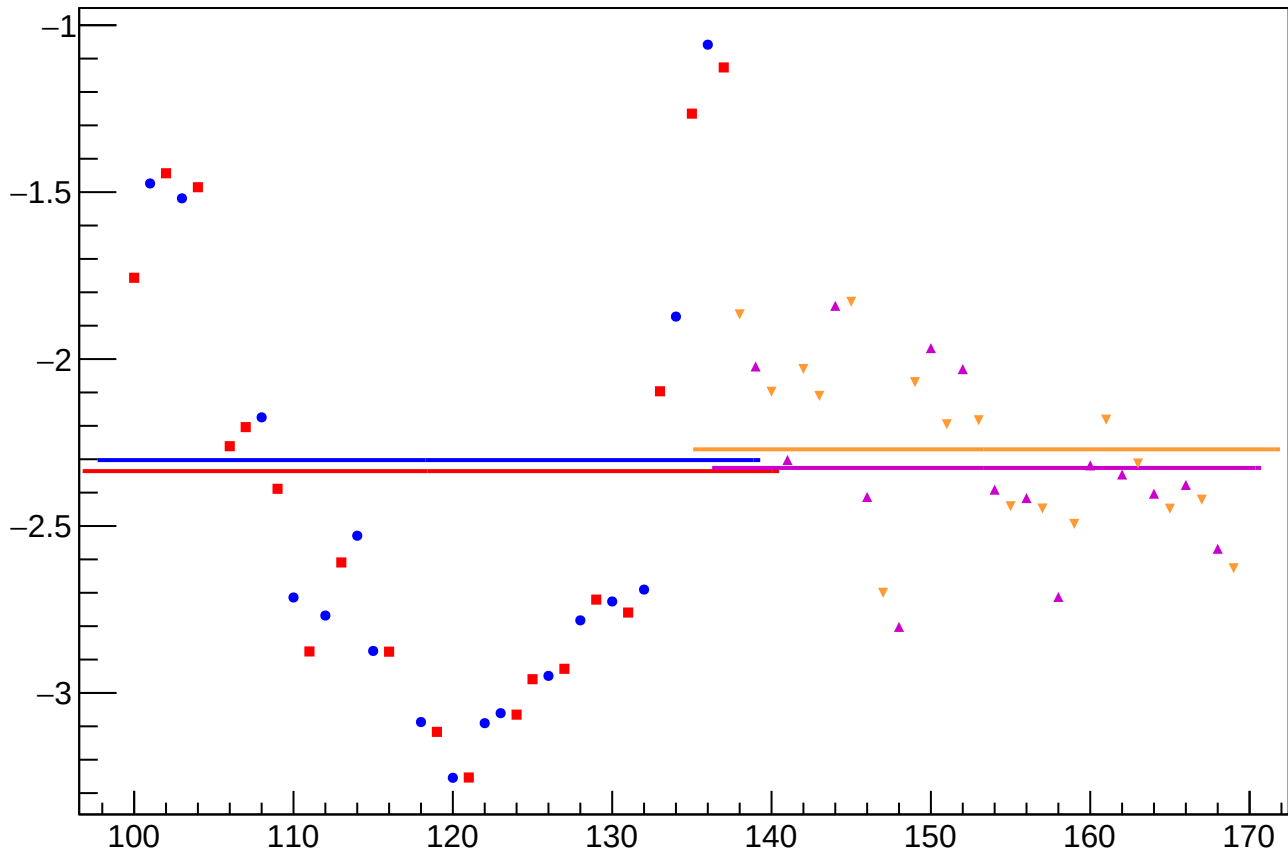
Left In: 0.010+/-0.000 χ^2/NDF : 488793.0/14

+ sign 0.008+/-0.000 χ^2/NDF : 1186820.6/33

All: 0.008+/-0.000 χ^2/NDF : 2746572.1/67

- sign 0.008+/-0.000 χ^2/NDF : 1554937.0/33

yield_bpm2i02Y_mean vs Slug



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.270+/-0.000 χ^2/NDF : 9144073900.9/16

Right Out: -2.336+/-0.000 χ^2/NDF : 64499162456.4/18

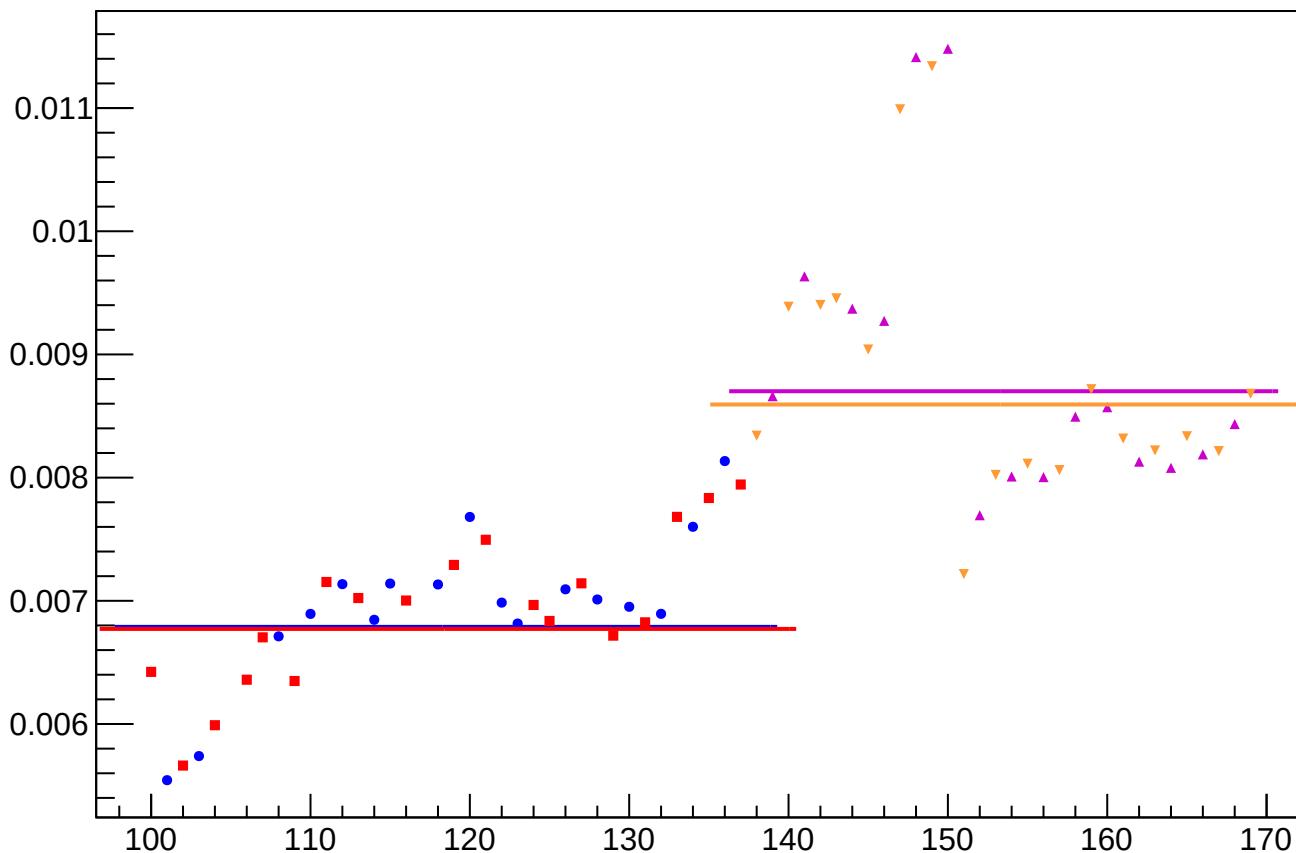
Left In: -2.326+/-0.000 χ^2/NDF : 9296296697.2/14

+ sign -2.285+/-0.000 χ^2/NDF : 82980973968.0/33

All: -2.308+/-0.000 χ^2/NDF : 157106212355.1

- sign -2.331+/-0.000 χ^2/NDF : 73802390791.7/33

yield_bpm2i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 165199.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 289813.5/16

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 123244.0/18

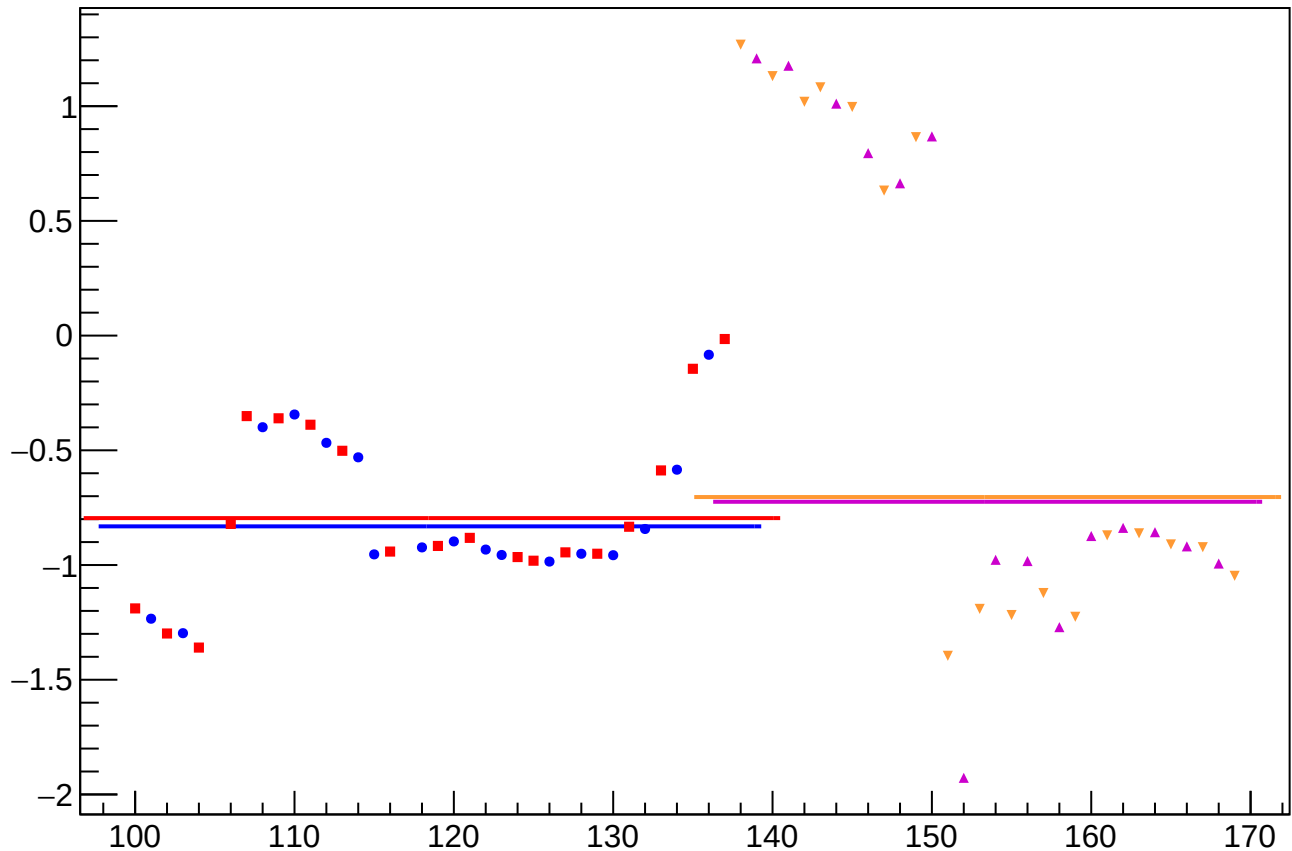
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 297032.0/14

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 961742.1/33

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 1951732.5/67

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 989674.9/33

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.704 ± 0.000 χ^2/NDF : 113999899504.2/16

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

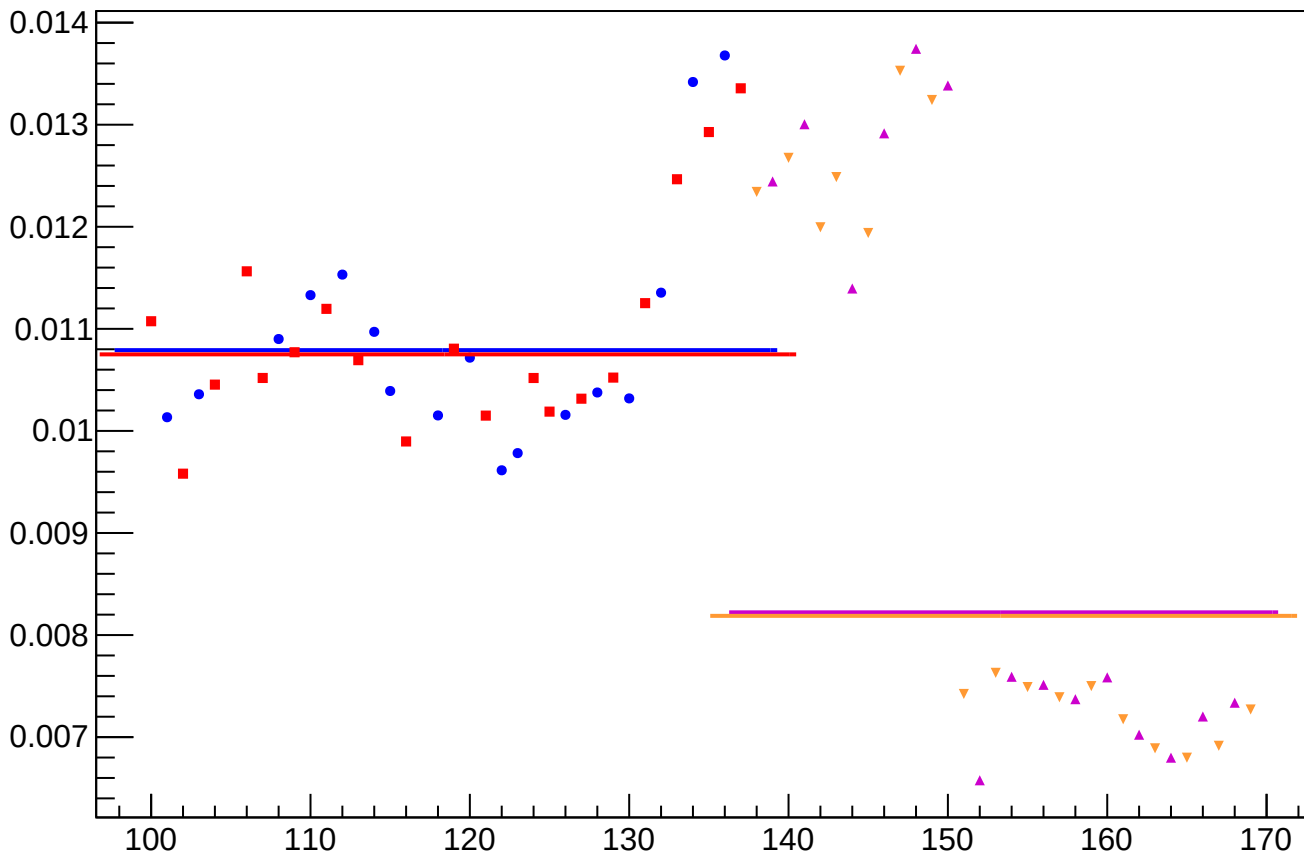
Left In: -0.724 ± 0.000 χ^2/NDF : 119814492938.8/14

+ sign -0.735 ± 0.000 χ^2/NDF : 121387251126.5/33

All: -0.739 ± 0.000 χ^2/NDF : 249251603447.7

- sign -0.744 ± 0.000 χ^2/NDF : 127855729359.8/33

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 : 1489885.4/16

Right Out: 0.011+/-0.000 χ^2/NDF : 90220.8/18

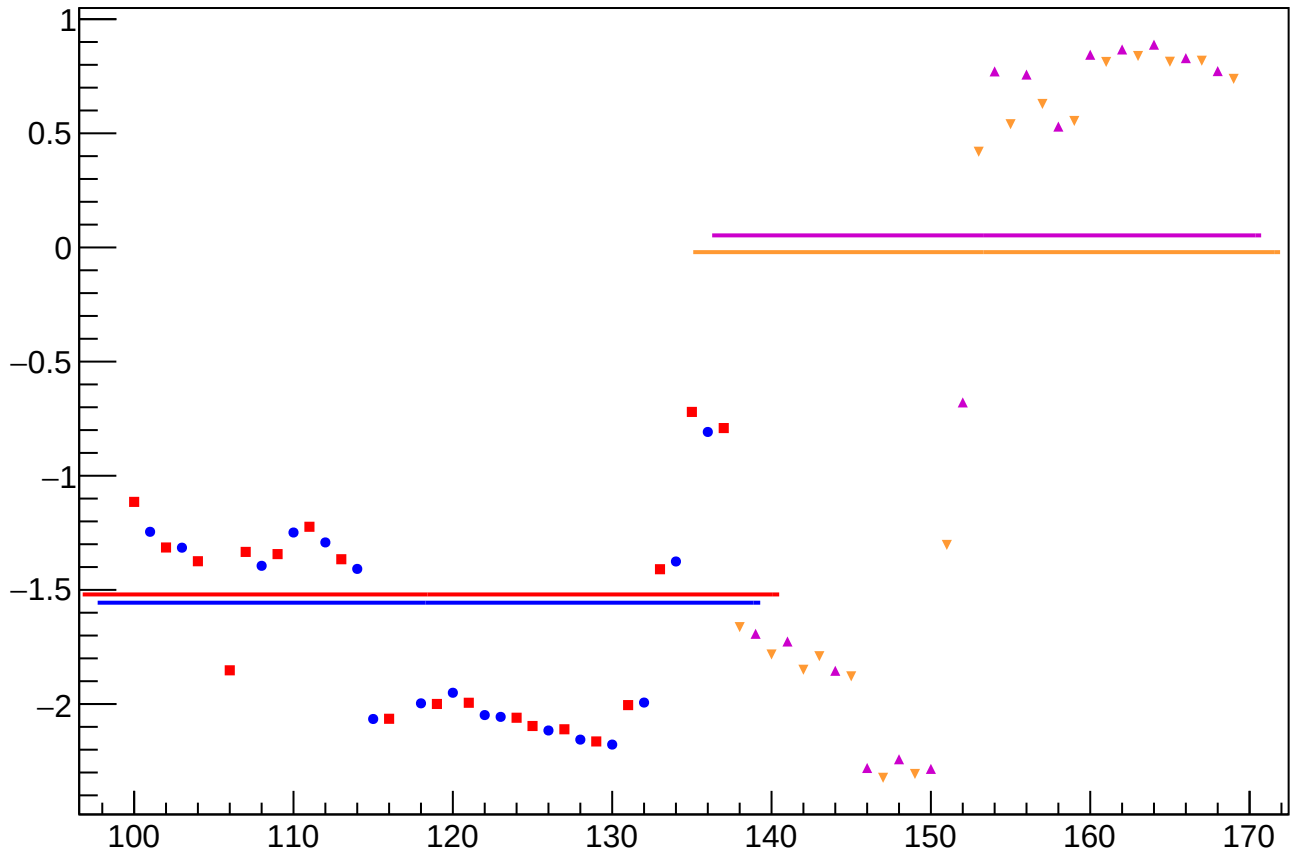
Left In: 0.008+/-0.000 χ^2/NDF : 1517645.1/14

+ sign 0.009+/-0.000 χ^2/NDF : 2192858.9/33

All: 0.009+/-0.000 χ^2/NDF : 4356013.3/67

- sign 0.009+/-0.000 χ^2/NDF : 2161425.6/33

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -0.021+/-0.000 χ^2/NDF : 2152260507657.2/16

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

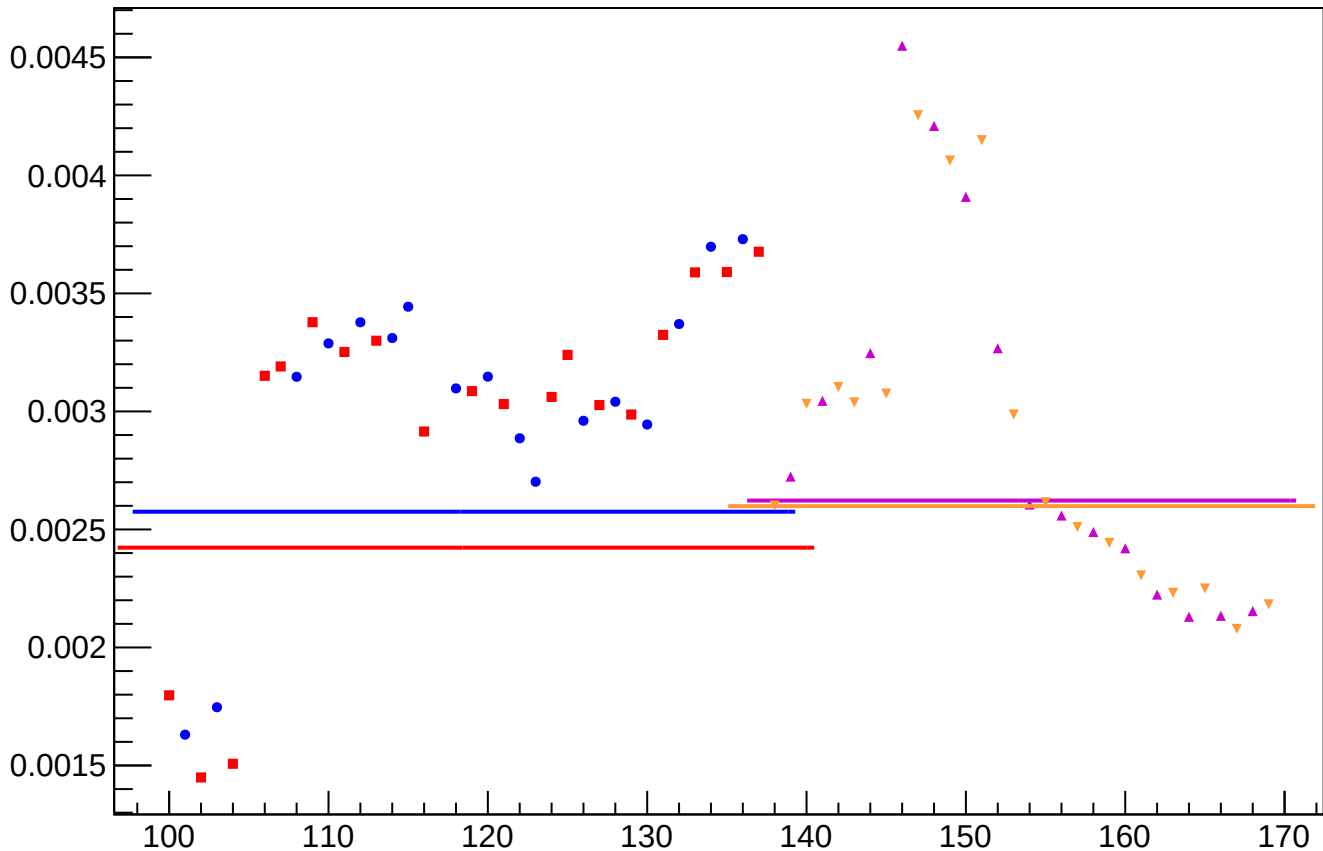
Left In: 0.053+/-0.000 χ^2/NDF : 1971714948239.2/14

+ sign -0.552+/-0.000 χ^2/NDF : 3623065747847.4/3

All: -0.564+/-0.000 χ^2/NDF : 7166600963166

- sign -0.577+/-0.000 χ^2/NDF : 3542781239712.4/3

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF : 874933.9/16

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

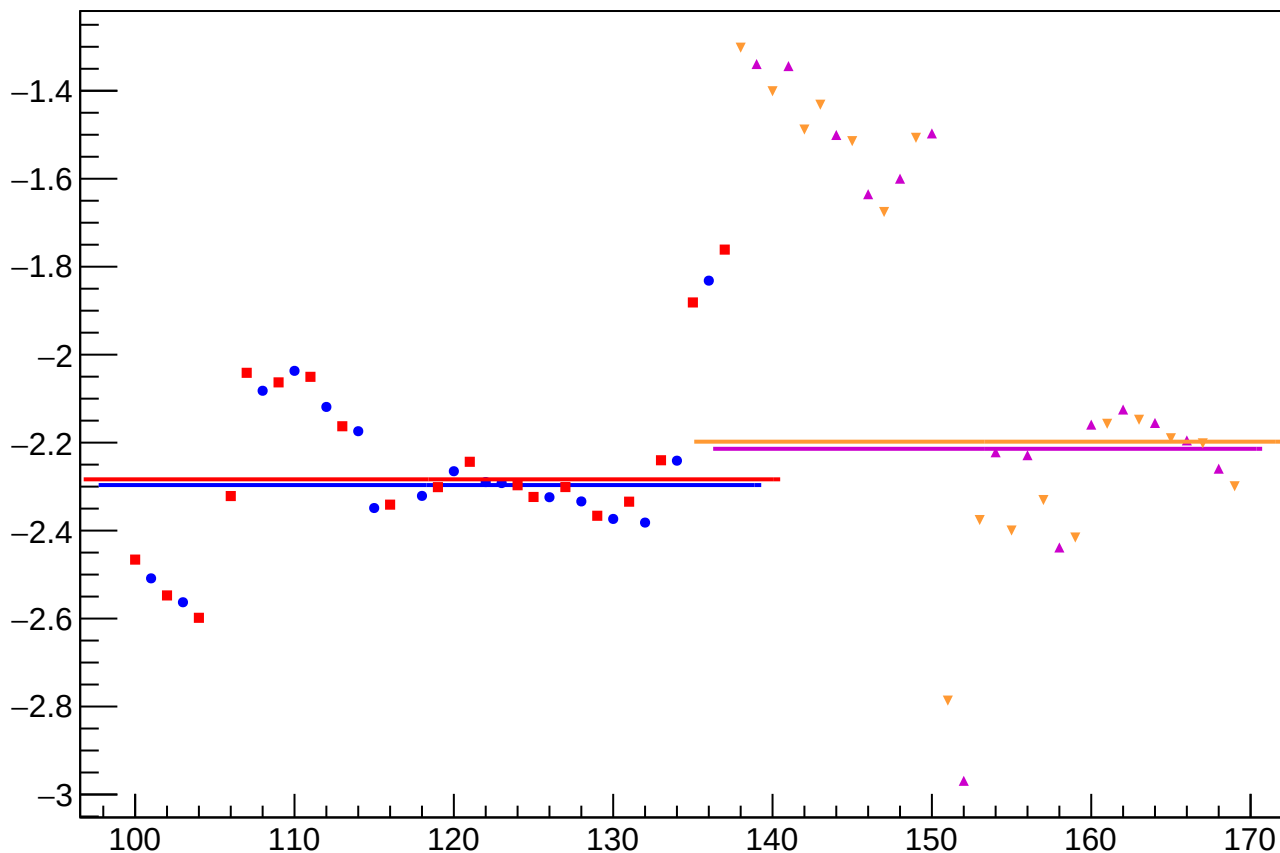
Left In: 0.003+/-0.000 χ^2/NDF : 907095.8/14

+ sign 0.003+/-0.000 χ^2/NDF : 1889388.4/33

All: 0.003+/-0.000 χ^2/NDF : 4338349.3/67

- sign 0.003+/-0.000 χ^2/NDF : 2443324.0/33

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.198+/-0.000 χ^2/NDF : 51486982677.7/16

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

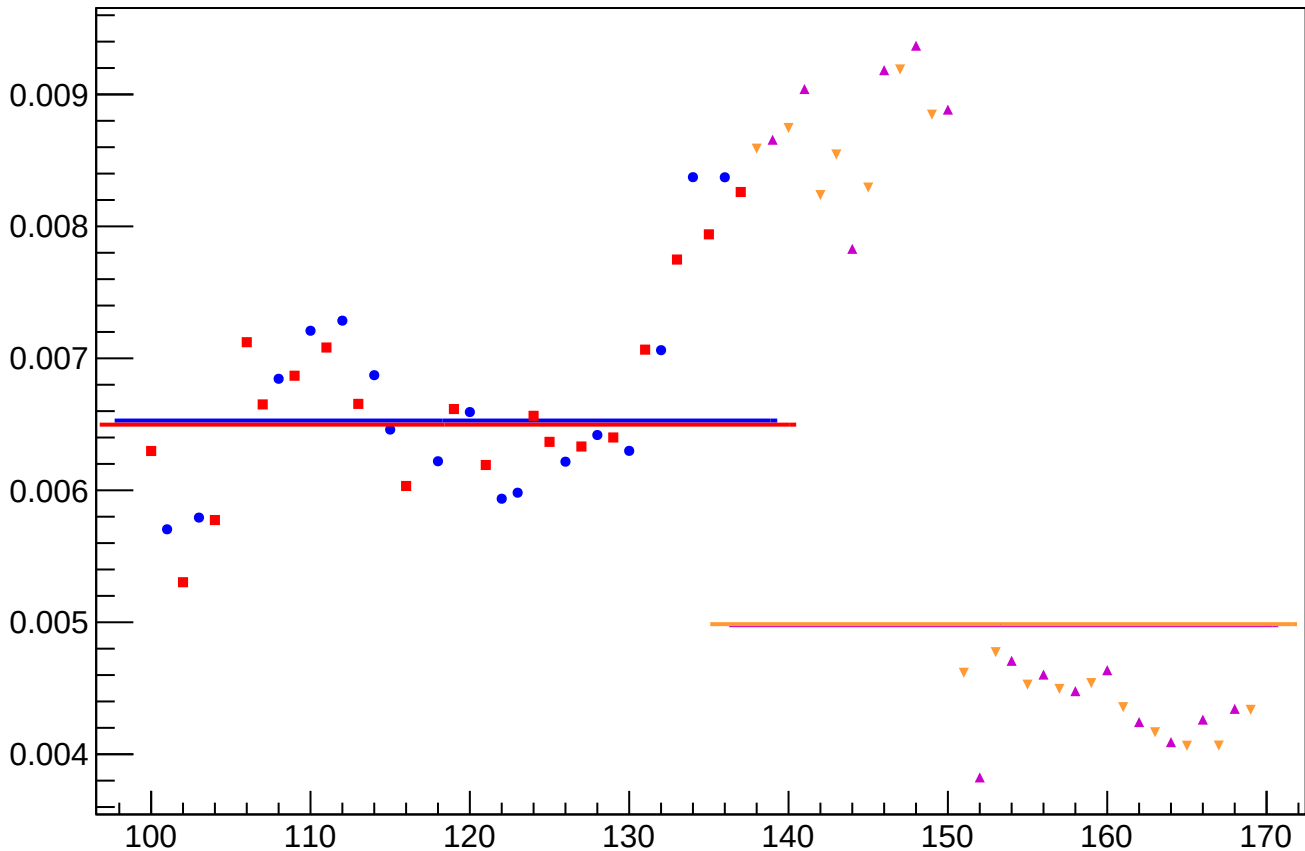
Left In: -2.214+/-0.000 χ^2/NDF : 66344947471.7/14

+ sign -2.223+/-0.000 χ^2/NDF : 58373609648.9/33

All: -2.228+/-0.000 χ^2/NDF : 131858224402.8

- sign -2.234+/-0.000 χ^2/NDF : 73450434815.7/33

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 :2041038.7/16

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

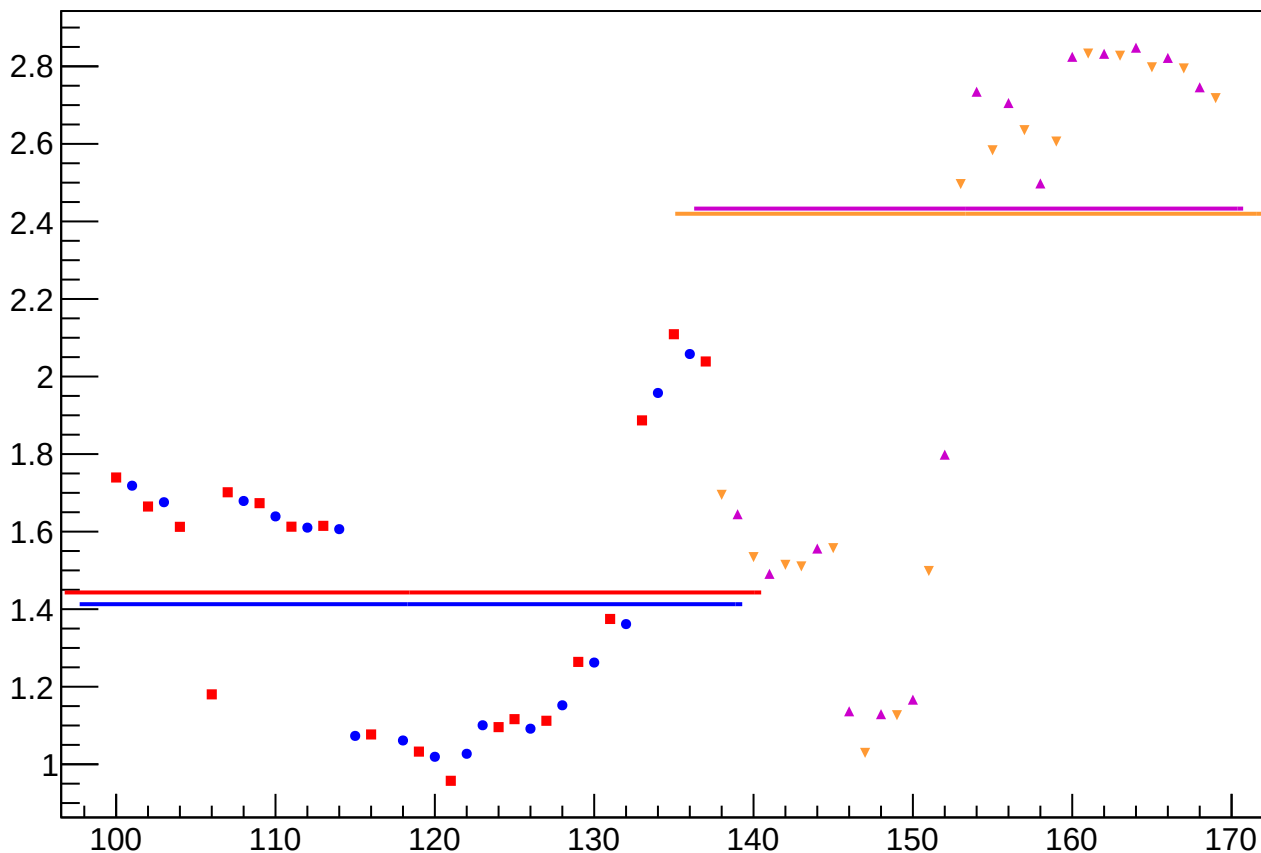
Left In: 0.005+/-0.000 χ^2/NDF :2099515.7/14

+ sign 0.005+/-0.000 χ^2/NDF : 2757473.6/33

All: 0.005+/-0.000 χ^2/NDF : 5555815.5/67

- sign 0.005+/-0.000 χ^2/NDF : 2797848.5/33

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.420+/-0.000 χ^2/NDF : 229750841520.6/16

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

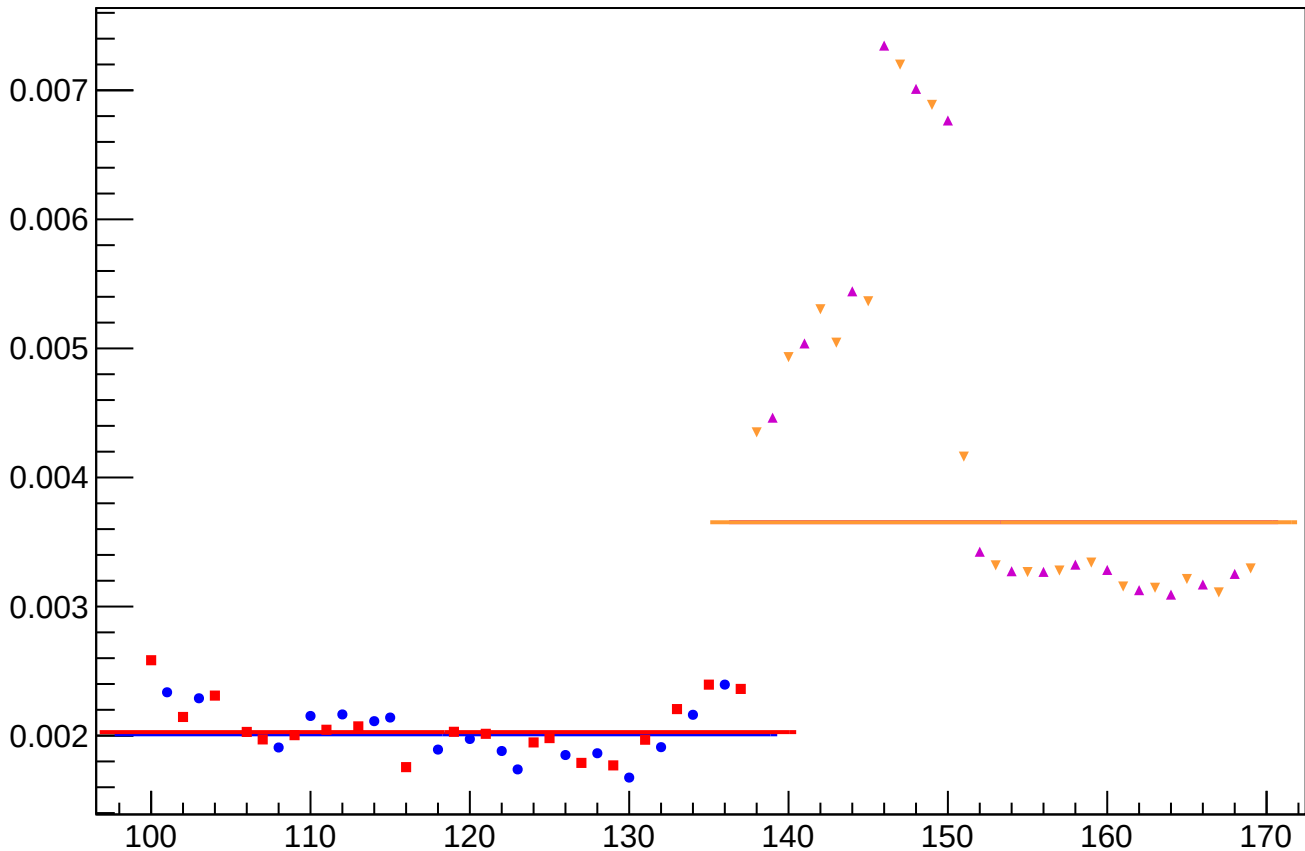
Left In: 2.433+/-0.000 χ^2/NDF : 225004343721.9/14

+ sign 1.769+/-0.000 χ^2/NDF : 949631762760.6/33

All: 1.767+/-0.000 χ^2/NDF : 1850048149996.

- sign 1.764+/-0.000 χ^2/NDF : 900394113082.1/33

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.004+/-0.000 χ^2/NDF :1274450.9/16

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

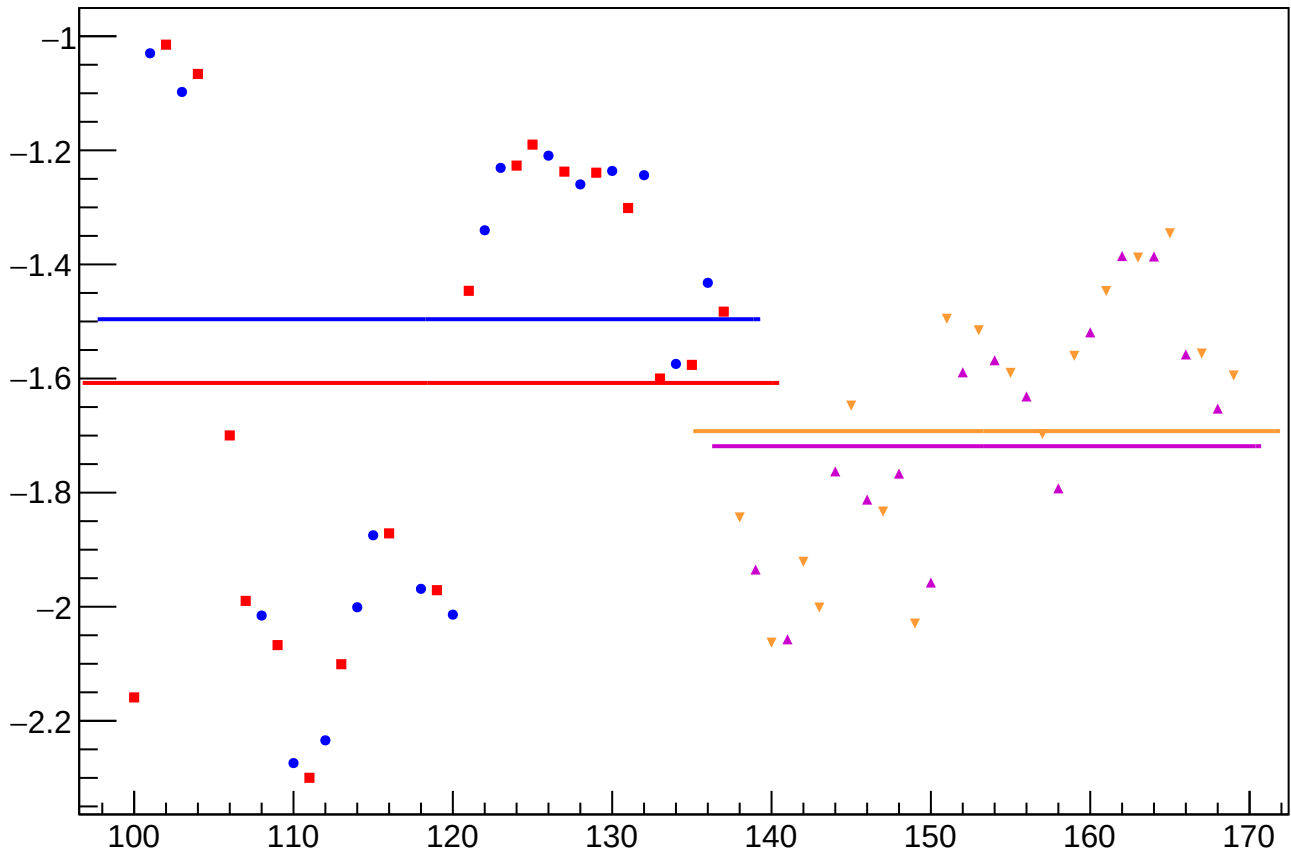
Left In: 0.004+/-0.000 χ^2/NDF :1443037.6/14

+ sign 0.003+/-0.000 χ^2/NDF : 4341109.5/33

All: 0.003+/-0.000 χ^2/NDF : 8603068.0/67

- sign 0.003+/-0.000 χ^2/NDF : 4258963.3/33

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.692+/-0.000 χ^2/NDF : 15674064088.6/16

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

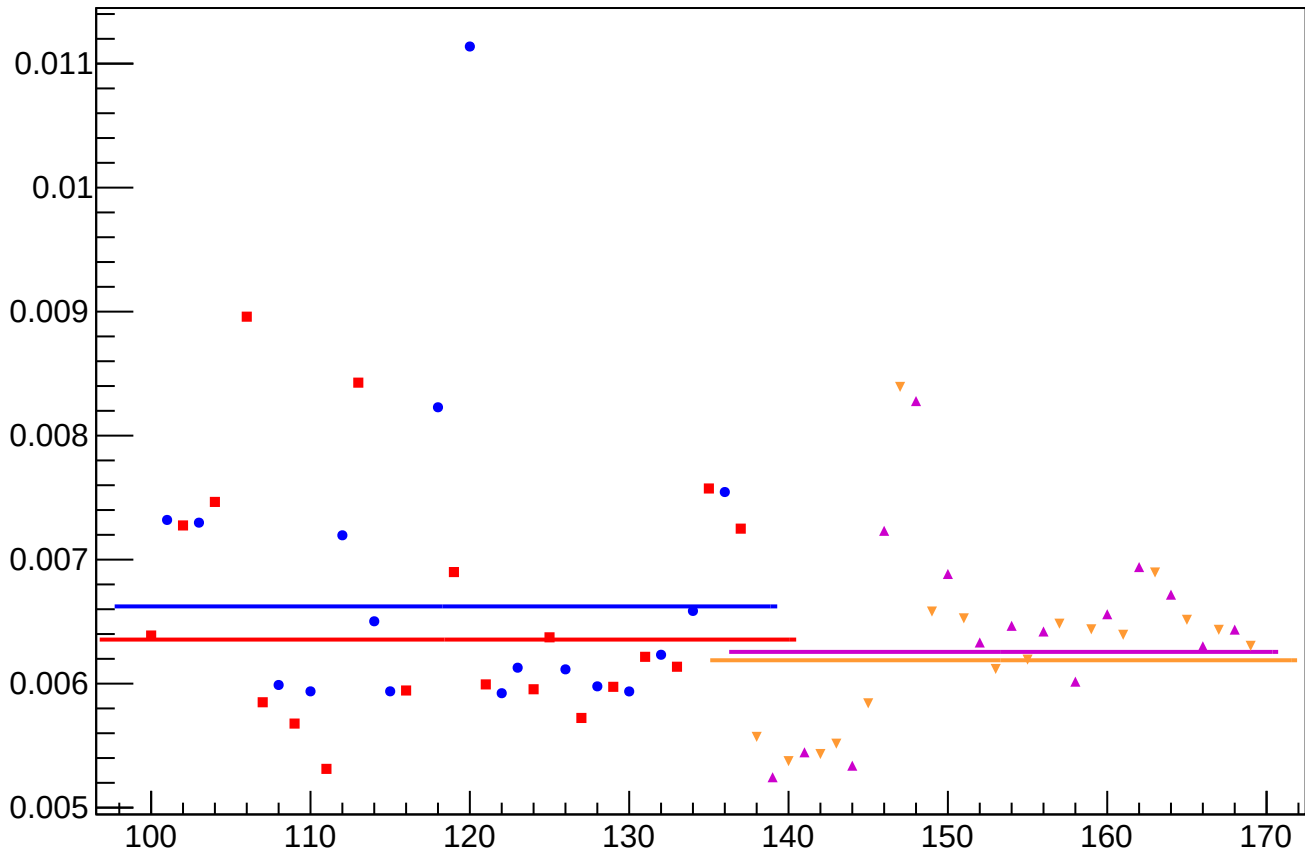
Left In: -1.719+/-0.000 χ^2/NDF : 10727054464.5/14

+ sign -1.632+/-0.000 χ^2/NDF : 41893380386.0/33

All: -1.654+/-0.000 χ^2/NDF : 82192541734.1/33

- sign -1.678+/-0.000 χ^2/NDF : 39828686020.1/33

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :226434.4/16

Right Out: 0.006+/-0.000 χ^2/NDF : 227861.1/18

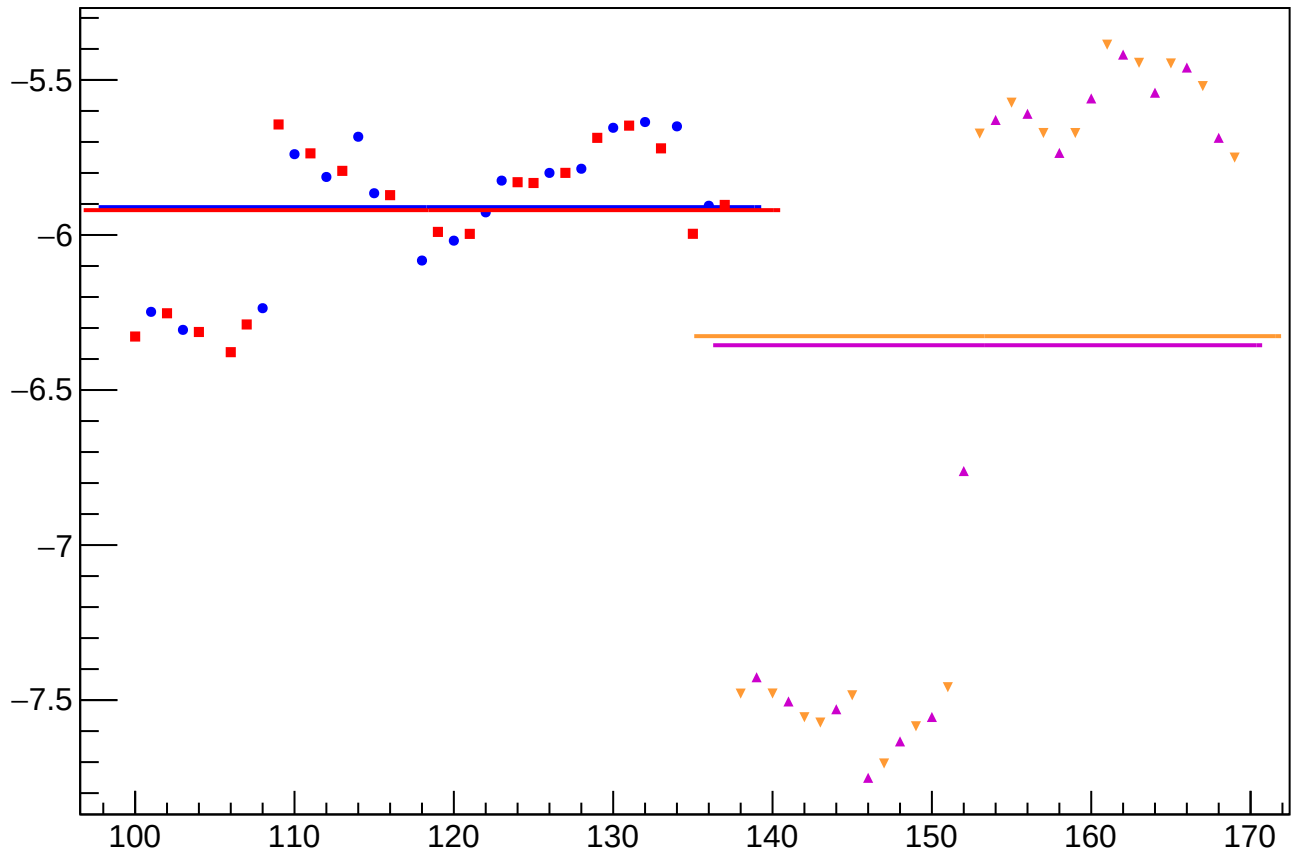
Left In: 0.006+/-0.000 χ^2/NDF :288279.2/14

+ sign 0.006+/-0.000 χ^2/NDF : 495286.9/33

All: 0.006+/-0.000 χ^2/NDF : 1013852.7/67

- sign 0.006+/-0.000 χ^2/NDF : 518169.8/33

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.326+/-0.000 χ^2/NDF : 163020258472.0/16

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

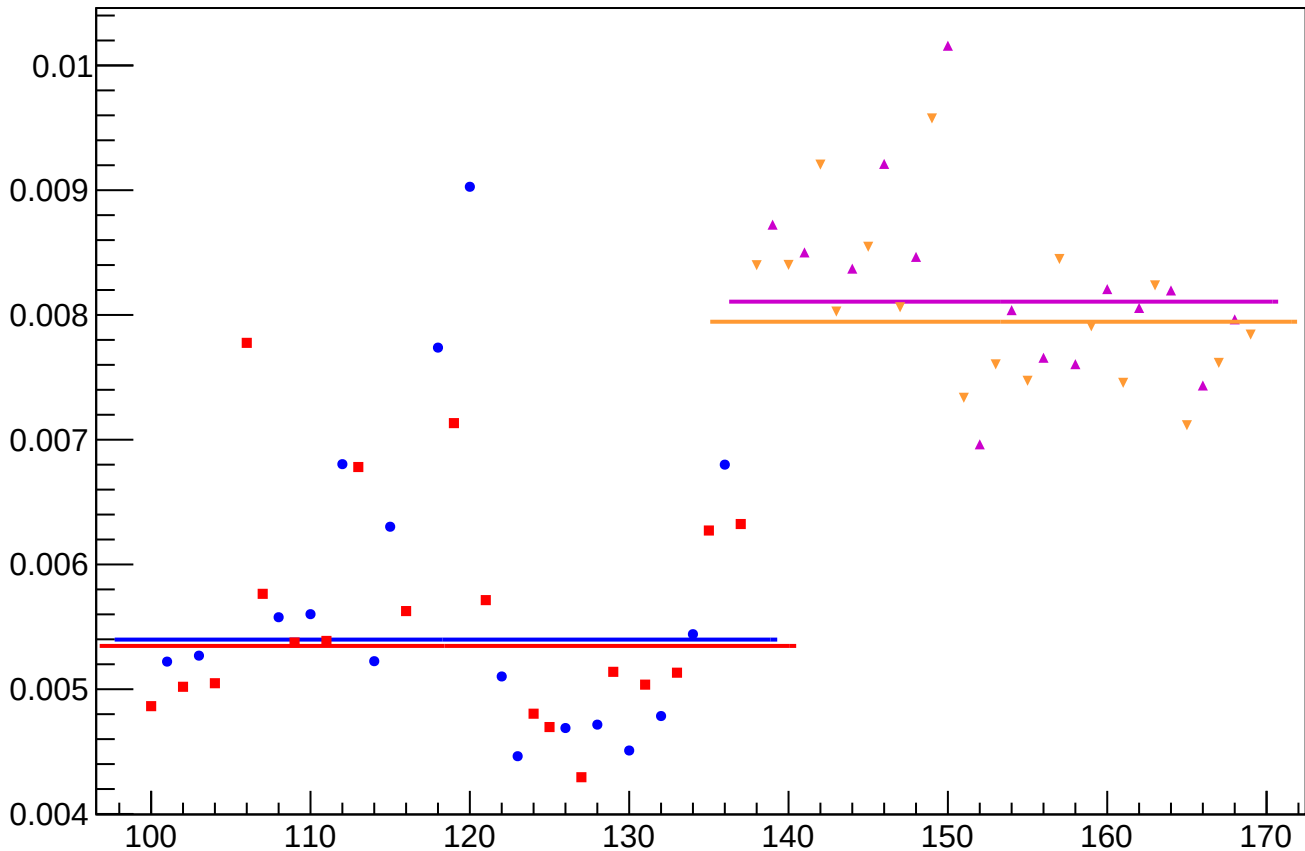
Left In: -6.356+/-0.000 χ^2/NDF : 133566326139.1/14

+ sign -6.104+/-0.000 χ^2/NDF : 190496866874.5/33

All: -6.102+/-0.000 χ^2/NDF : 354411912003.4

- sign -6.101+/-0.000 χ^2/NDF : 163913587256.8/33

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :115729.5/16

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

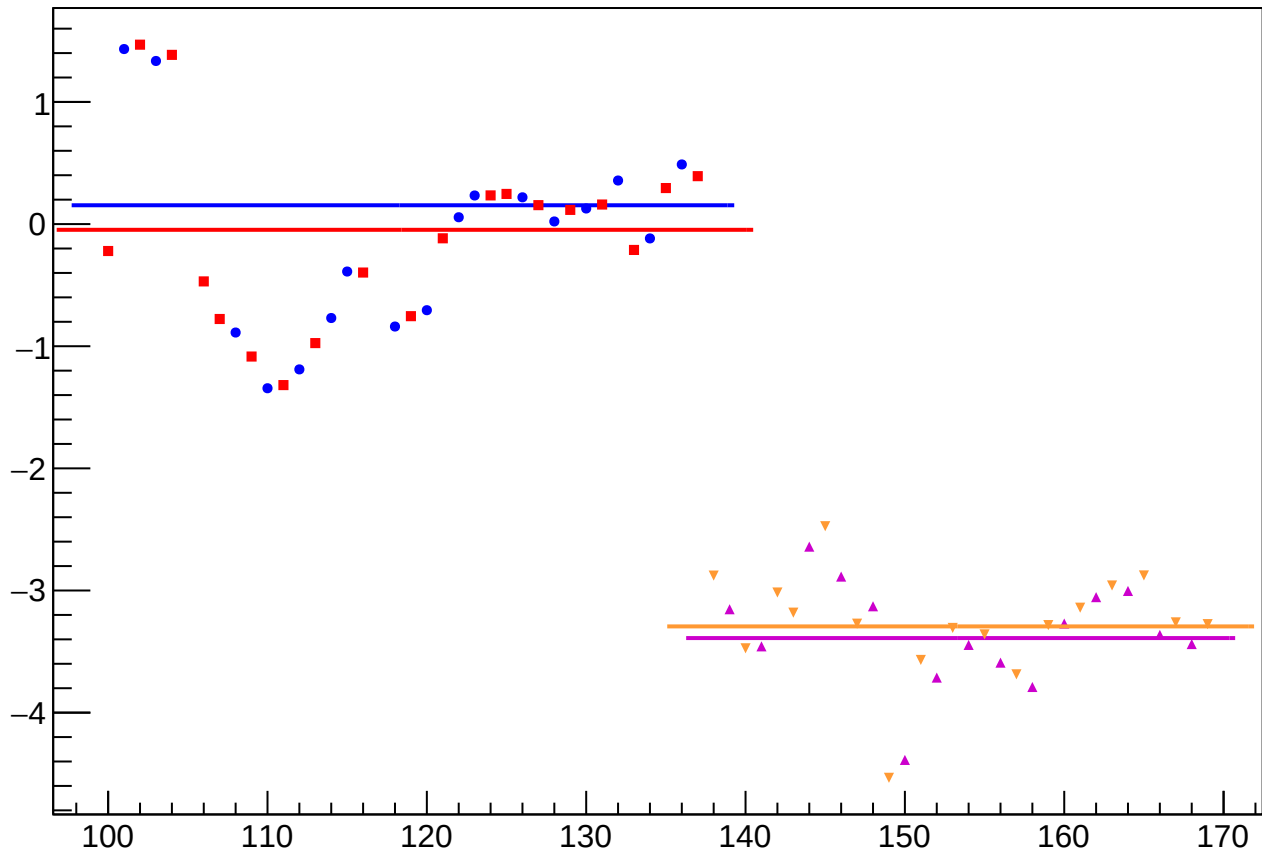
Left In: 0.008+/-0.000 χ^2/NDF :151547.5/14

+ sign 0.007+/-0.000 χ^2/NDF : 1711215.5/33

All: 0.007+/-0.000 χ^2/NDF : 3524121.4/67

- sign 0.006+/-0.000 χ^2/NDF : 1809894.6/33

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.294+/-0.000 χ^2/NDF : 7934044991.2/16

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

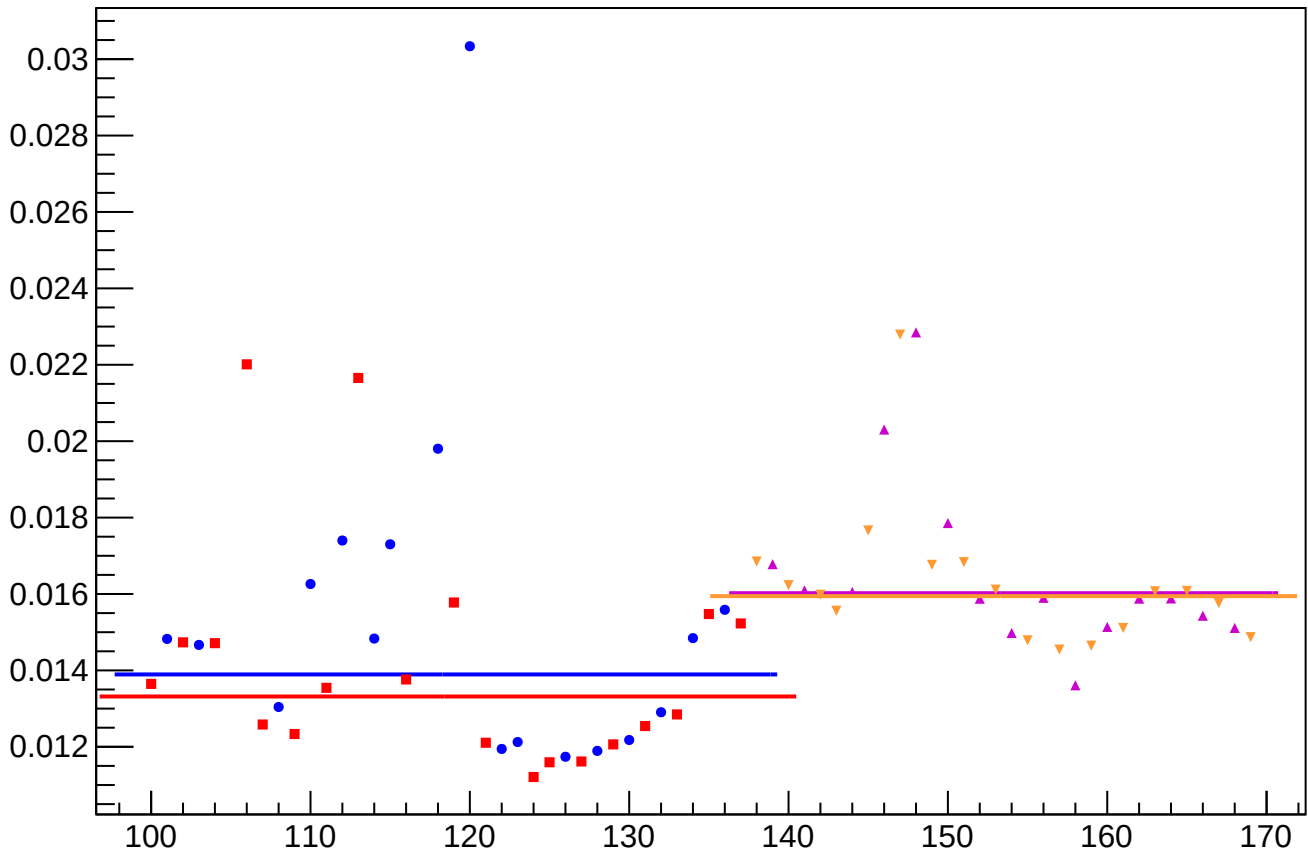
Left In: -3.389+/-0.000 χ^2/NDF : 6859425996.6/14

+ sign -1.939+/-0.000 χ^2/NDF : 246328011746.5/33

All: -1.898+/-0.000 χ^2/NDF : 495026039515.0

- sign -1.857+/-0.000 χ^2/NDF : 248428907269.1/33

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:203301.8/16

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 291358.0/18

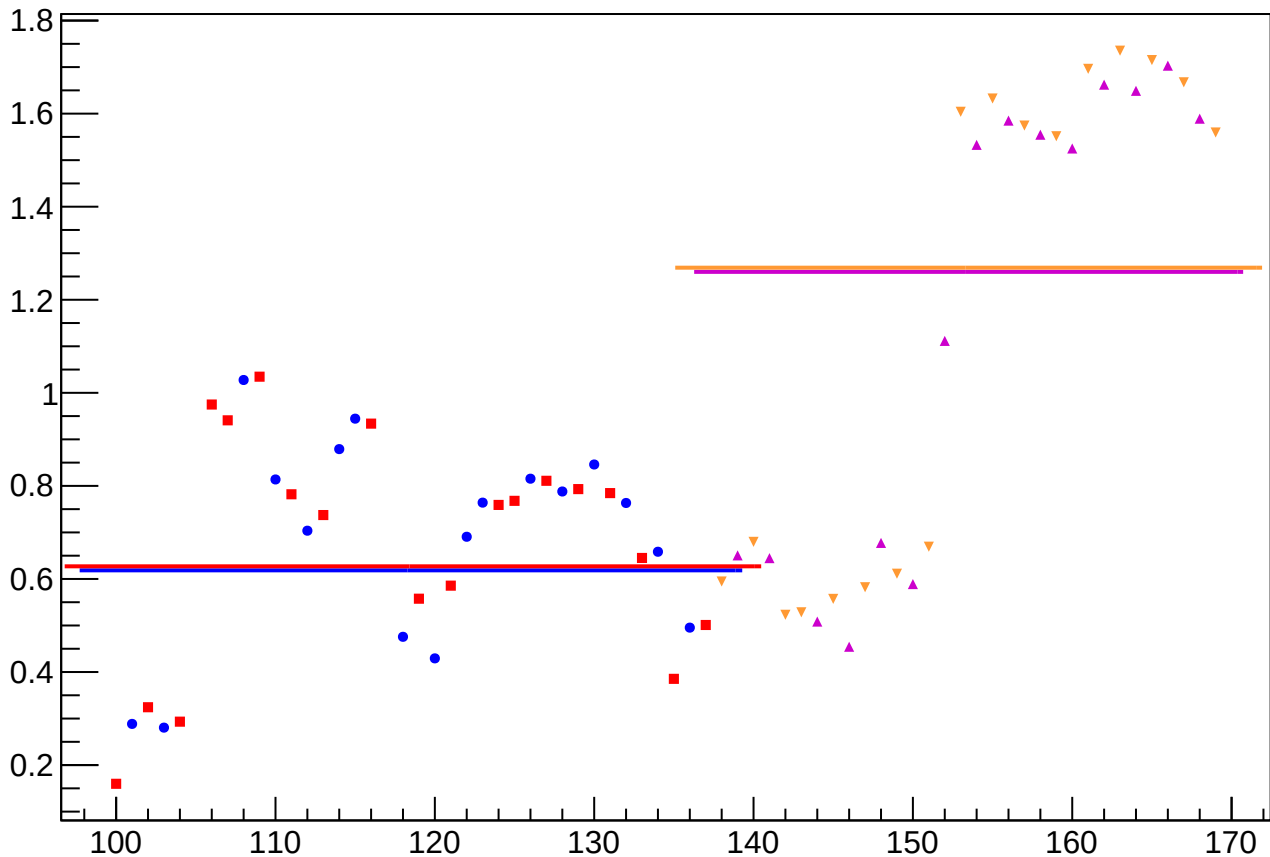
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:283488.3/14

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 760257.3/33

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1633561.7/67

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 863242.6/33

yield_bpm0l02Y_mean vs Slug



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 1.269+/-0.000 χ^2/NDF : 65398718681.5/16

Right Out: 0.627+/-0.000 χ^2/NDF : 6337935219.4/18

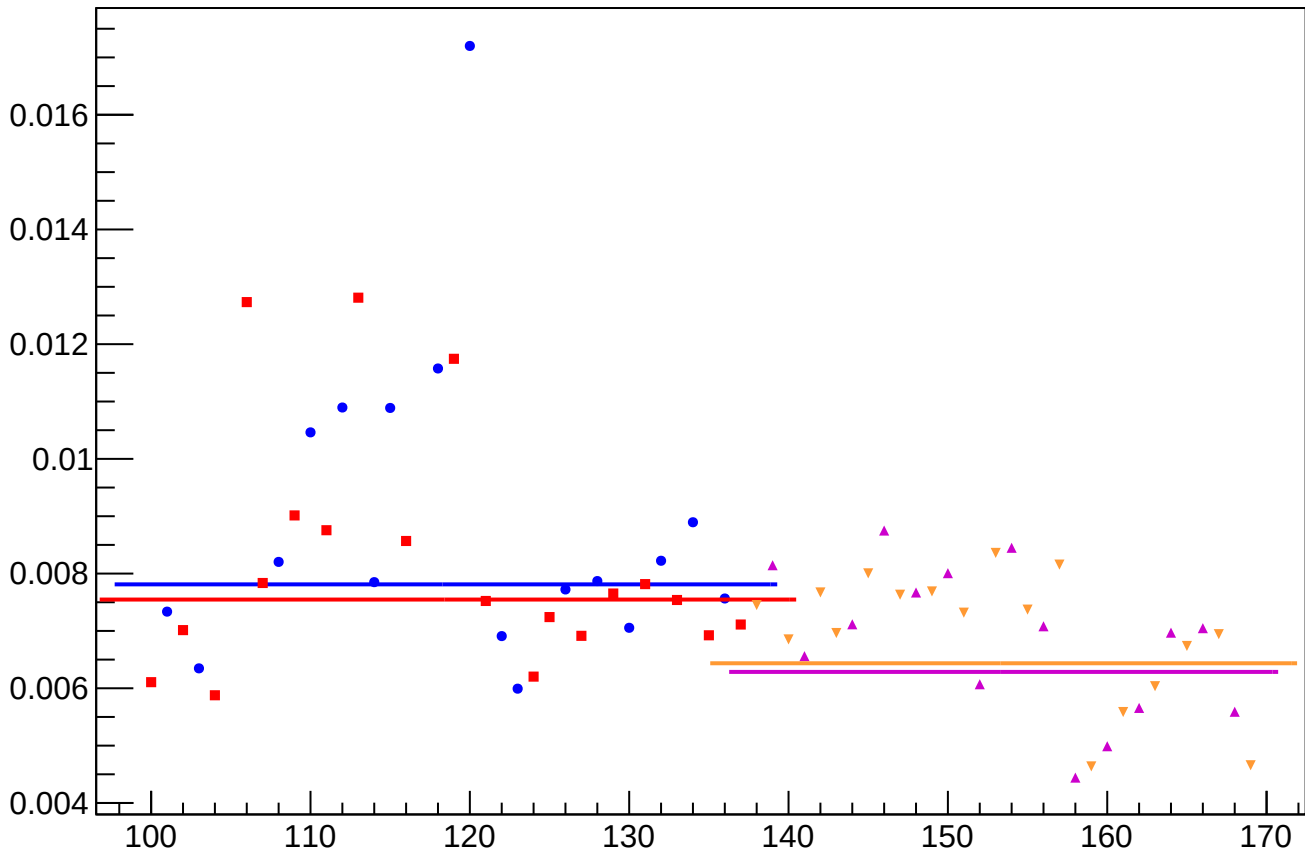
Left In: 1.260+/-0.000 χ^2/NDF : 53988312255.2/14

+ sign 1.100+/-0.000 χ^2/NDF : 100659249462.4/33

All: 1.088+/-0.000 χ^2/NDF : 191991630213.5

- sign 1.076+/-0.000 χ^2/NDF : 91231296300.2/33

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 466827.3/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:877766.1/16

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 441823.4/18

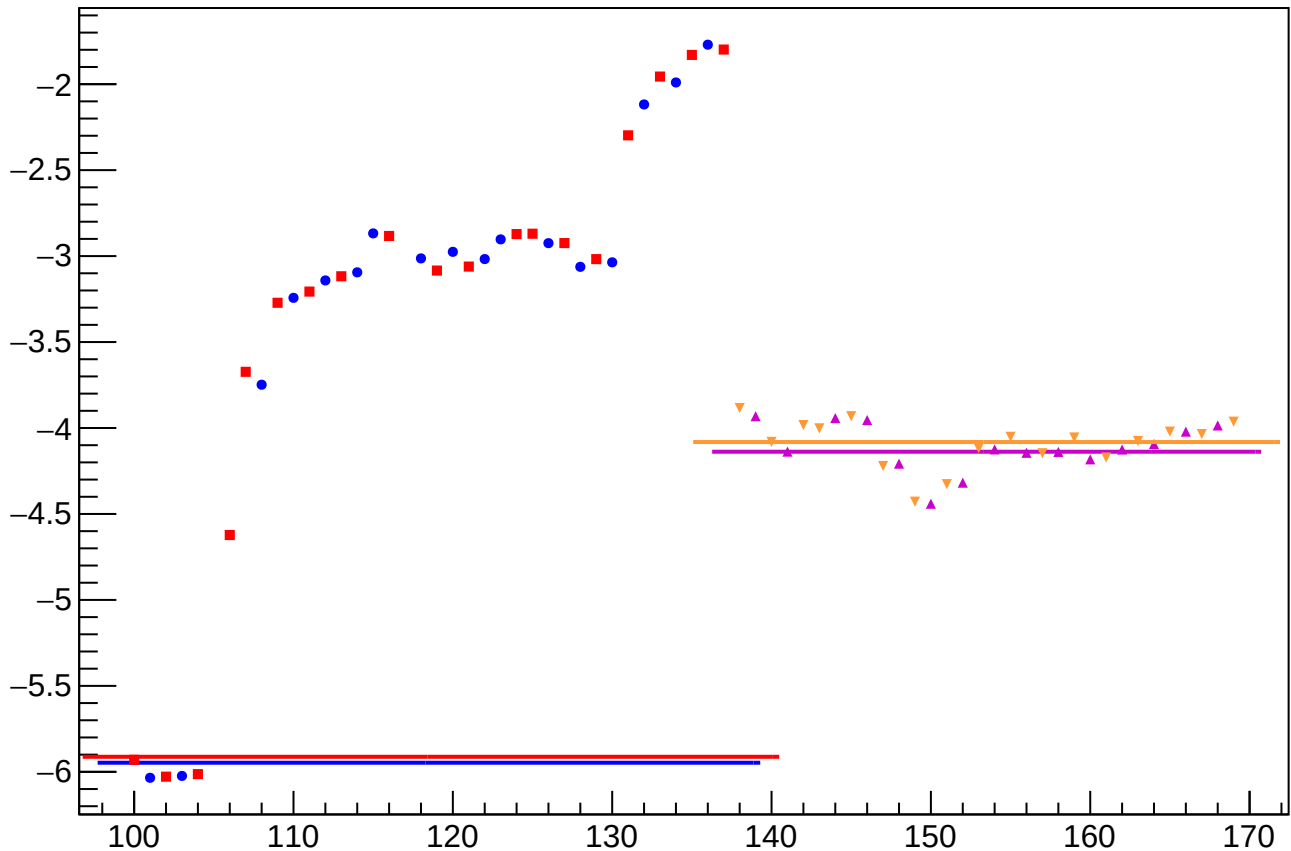
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:885390.3/14

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1611701.5/33

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3192120.2/67

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1572895.4/33

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.081+/-0.000 χ^2/NDF : 33838741.4/16

+ sign -5.880+/-0.000 χ^2/NDF : 19150575819.0/33

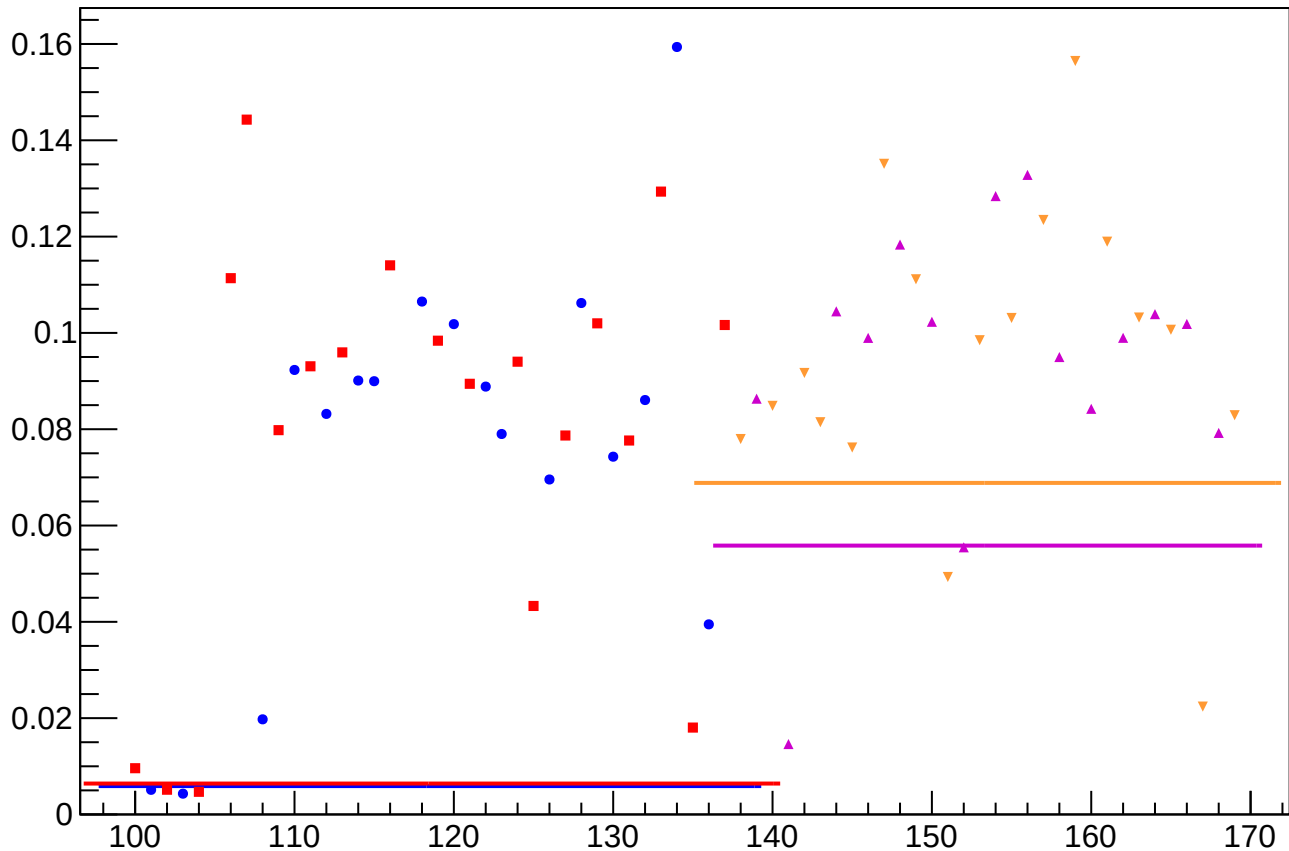
Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

All: -5.856+/-0.000 χ^2/NDF : 39571371091.1/33

Left In: -4.138+/-0.000 χ^2/NDF : 24202918.2/14

- sign -5.828+/-0.000 χ^2/NDF : 20362072831.9/33

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7934545.2/16

Left Out: 0.069 $\pm$ 0.000 χ^2 /NDF: 4491935.4/16

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

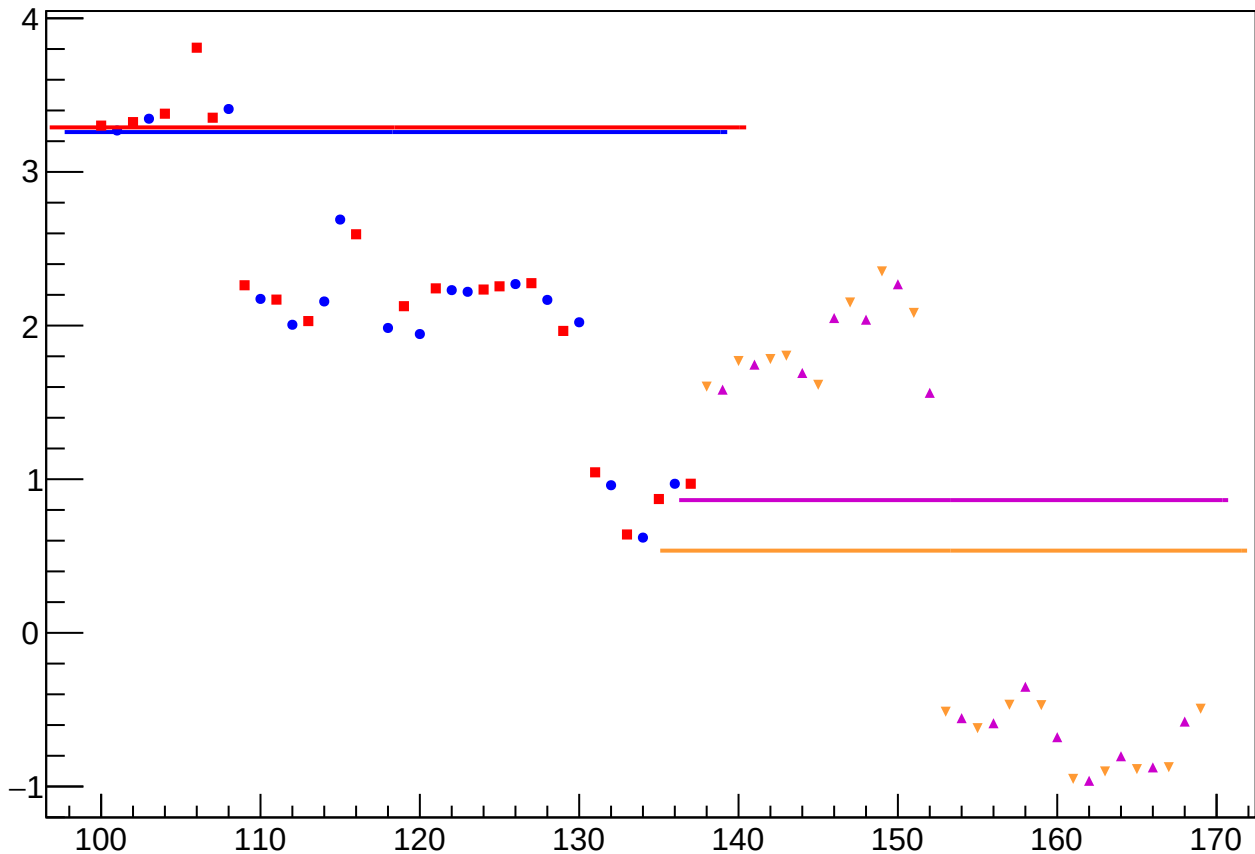
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF: 6445988.0/14

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 25984432.2/33

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 49814630.4/67

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 23814060.8/33

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 0.535+/-0.000 χ^2/NDF : 2644578127.6/16

Right Out: 3.290+/-0.000 χ^2/NDF : 3262231575.5/18

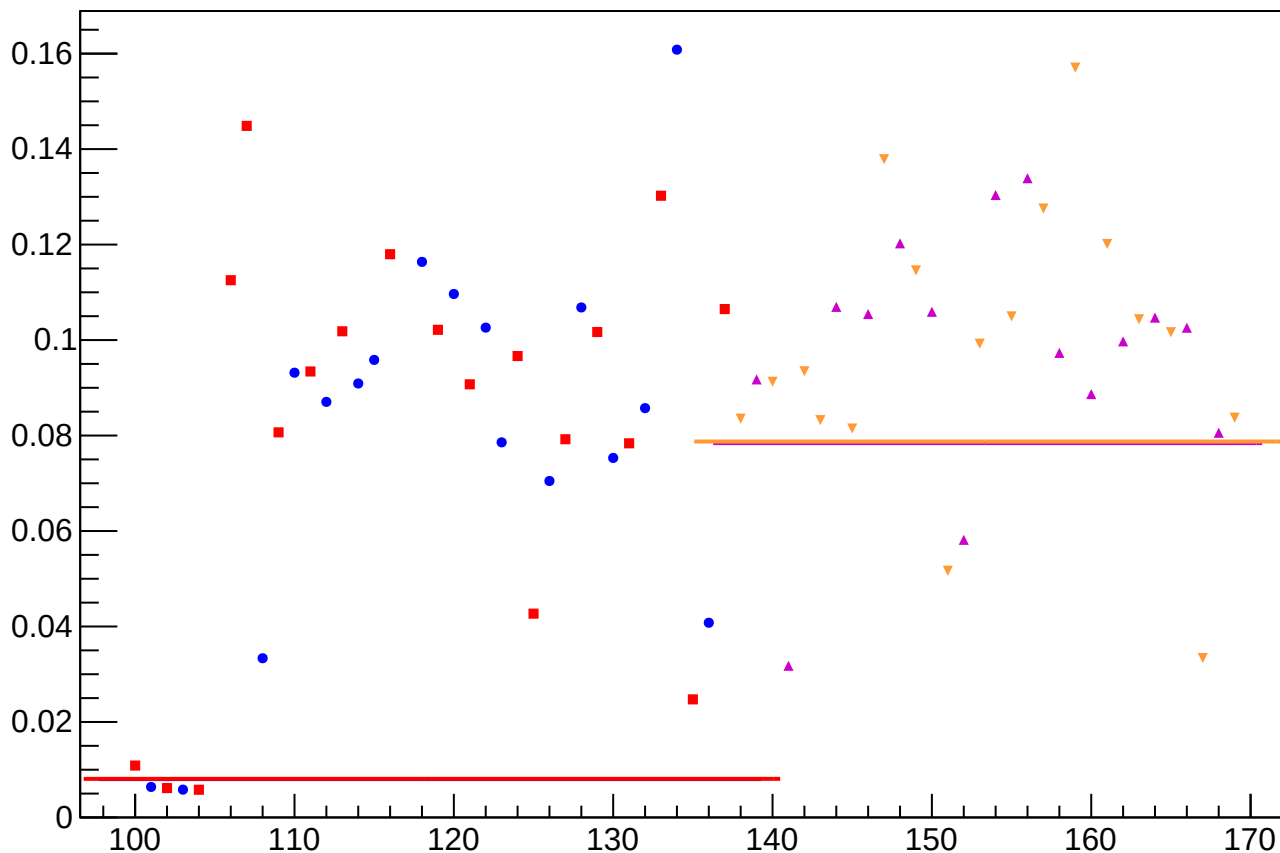
Left In: 0.864+/-0.000 χ^2/NDF : 1848013245.8/14

+ sign 3.125+/-0.000 χ^2/NDF : 16117659863.0/33

All: 3.150+/-0.000 χ^2/NDF : 28538106804.9/6

- sign 3.177+/-0.000 χ^2/NDF : 12381396182.3/33

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.079 $\pm$ 0.000 χ^2 /NDF: 2967024.7/16

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

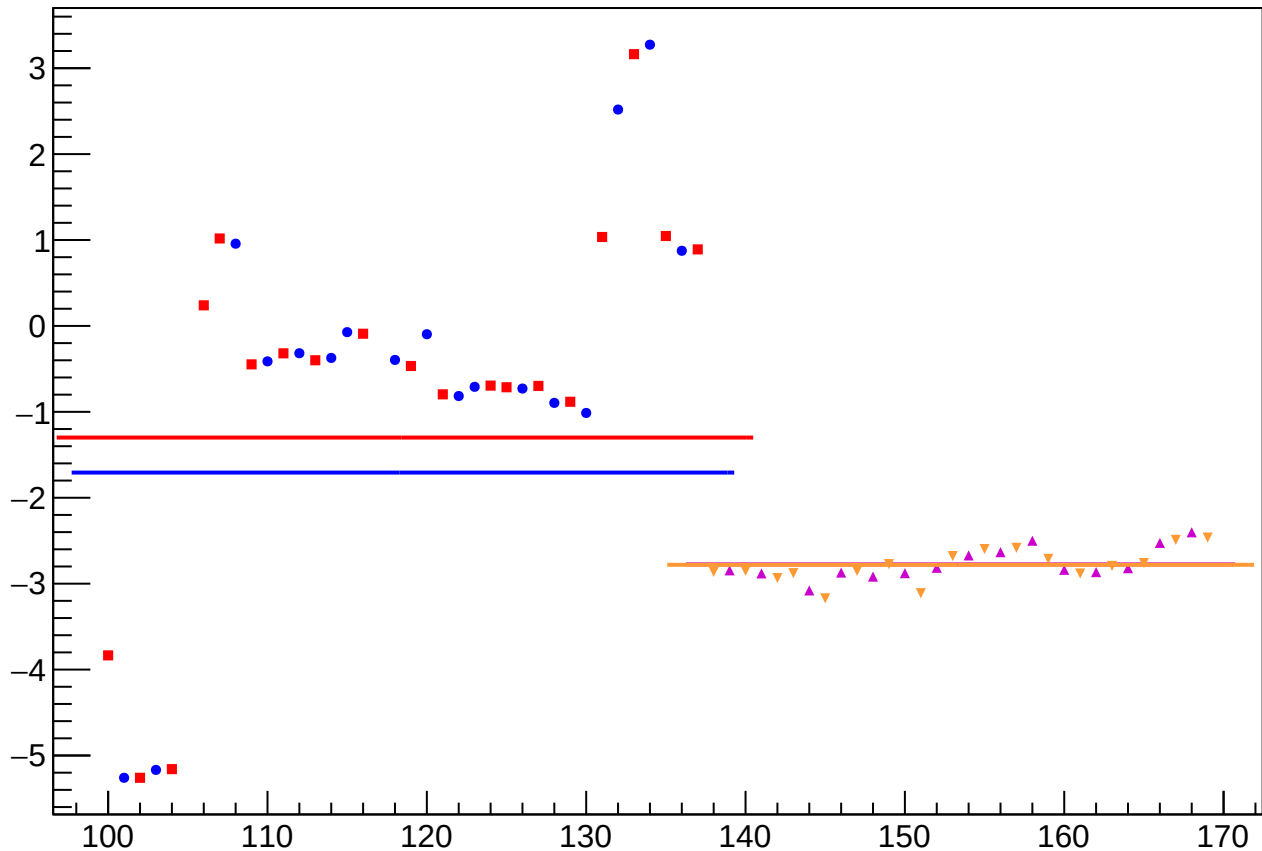
Left In: 0.078 $\pm$ 0.000 χ^2 /NDF: 2746041.3/14

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 24923469.0/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 48201809.8/67

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 23277524.4/33

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.780+/-0.000 χ^2/NDF : 7263160098.9/16

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

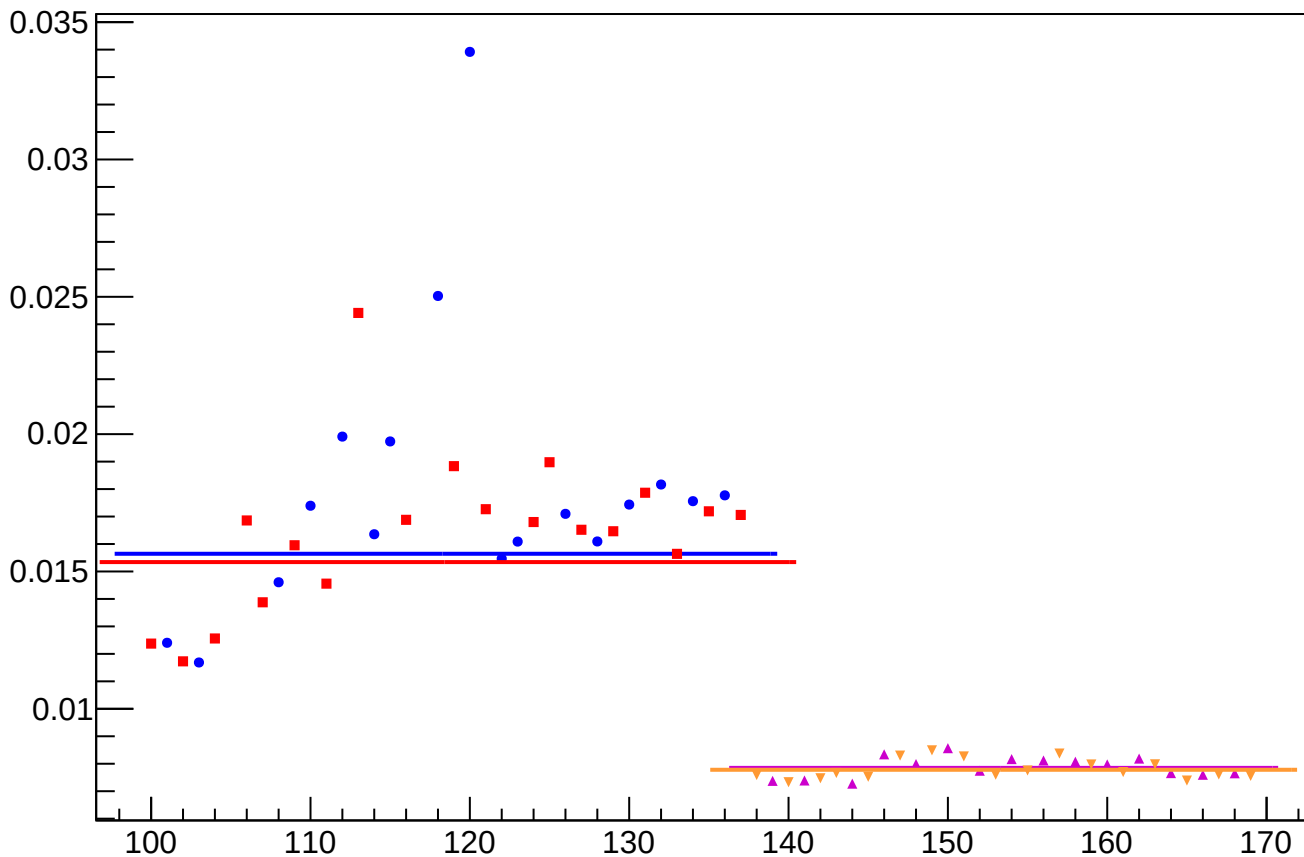
Left In: -2.775+/-0.000 χ^2/NDF : 6116530633.1/14

+ sign -2.670+/-0.000 χ^2/NDF : 197068698692.7/33

All: -2.631+/-0.000 χ^2/NDF : 432041321520.5

- sign -2.588+/-0.000 χ^2/NDF : 234255522424.3/33

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: 46937.3/16

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 353806.7/18

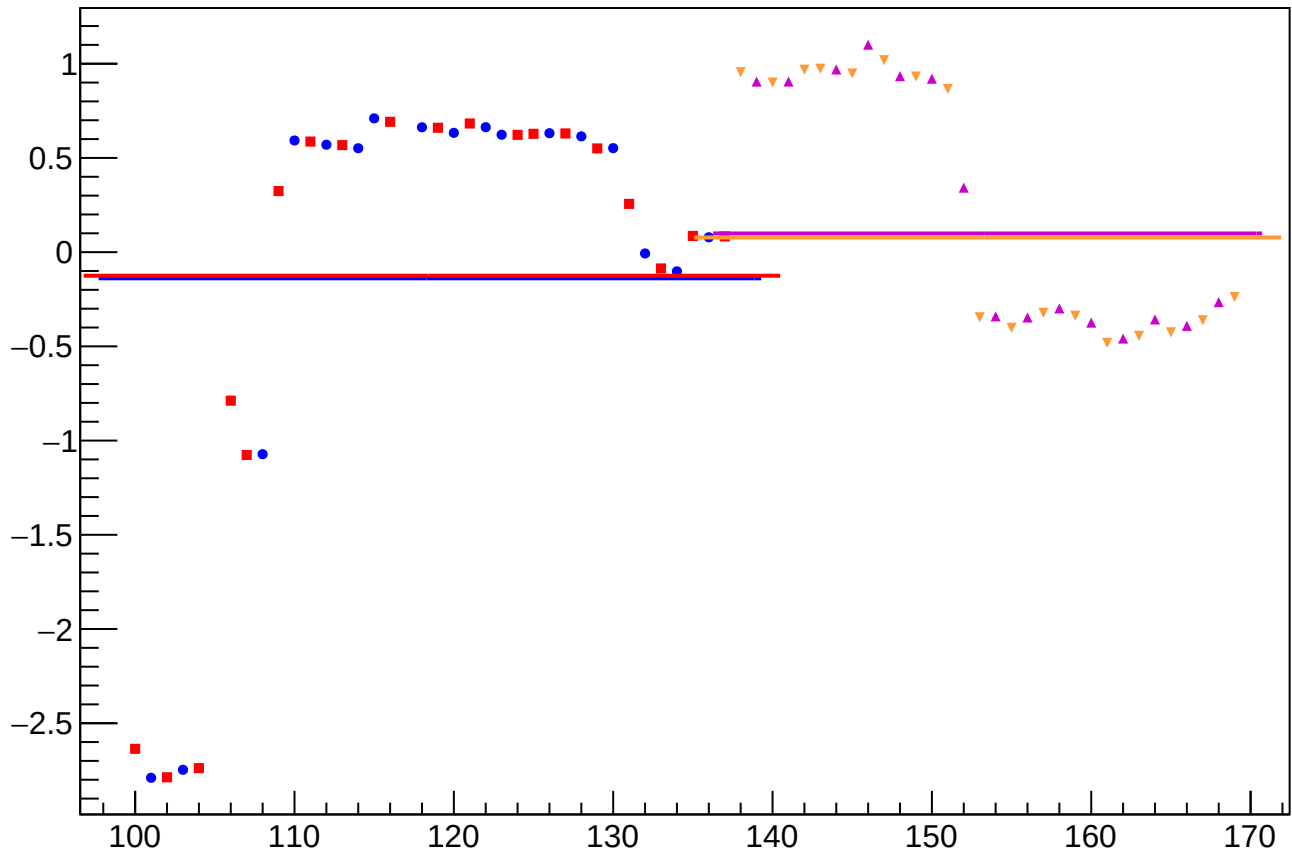
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 50923.2/14

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3166926.8/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6163266.0/67

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2986898.8/33

yield_bpm0l04Y_mean vs Slug



Right In: -0.139 ± 0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.078 ± 0.000 χ^2/NDF : 122637521257.8/16

Right Out: -0.125 ± 0.000 χ^2/NDF : 761496762534.7/18

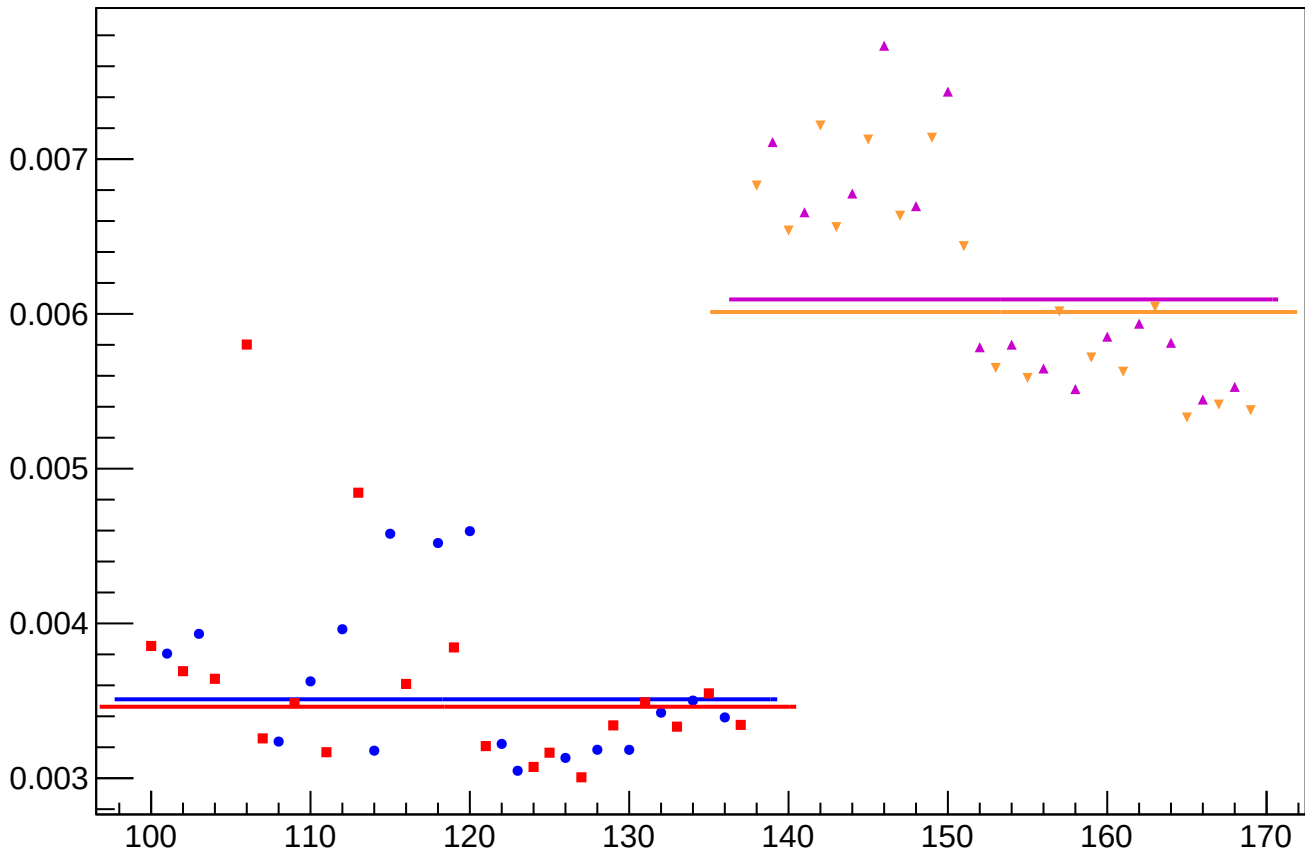
Left In: 0.099 ± 0.000 χ^2/NDF : 100173162652.5/14

+ sign -0.056 ± 0.000 χ^2/NDF : 846825131779.3/33

All: -0.053 ± 0.000 χ^2/NDF : 1718037696685

- sign -0.049 ± 0.000 χ^2/NDF : 871192102088.8/33

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.006+/-0.000 χ^2/NDF :224212.1/16

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

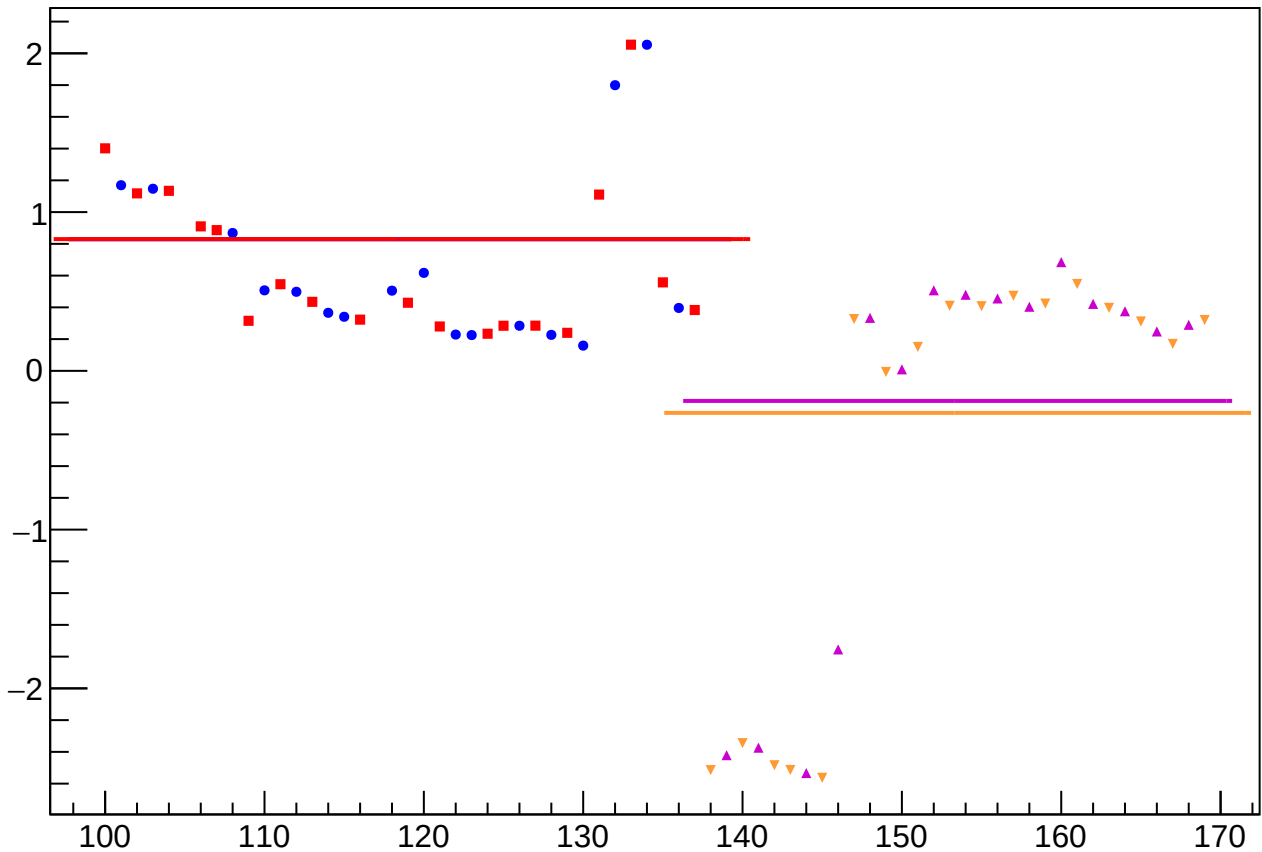
Left In: 0.006+/-0.000 χ^2/NDF :242286.0/14

+ sign 0.004+/-0.000 χ^2/NDF : 2834943.6/33

All: 0.004+/-0.000 χ^2/NDF : 5923642.4/67

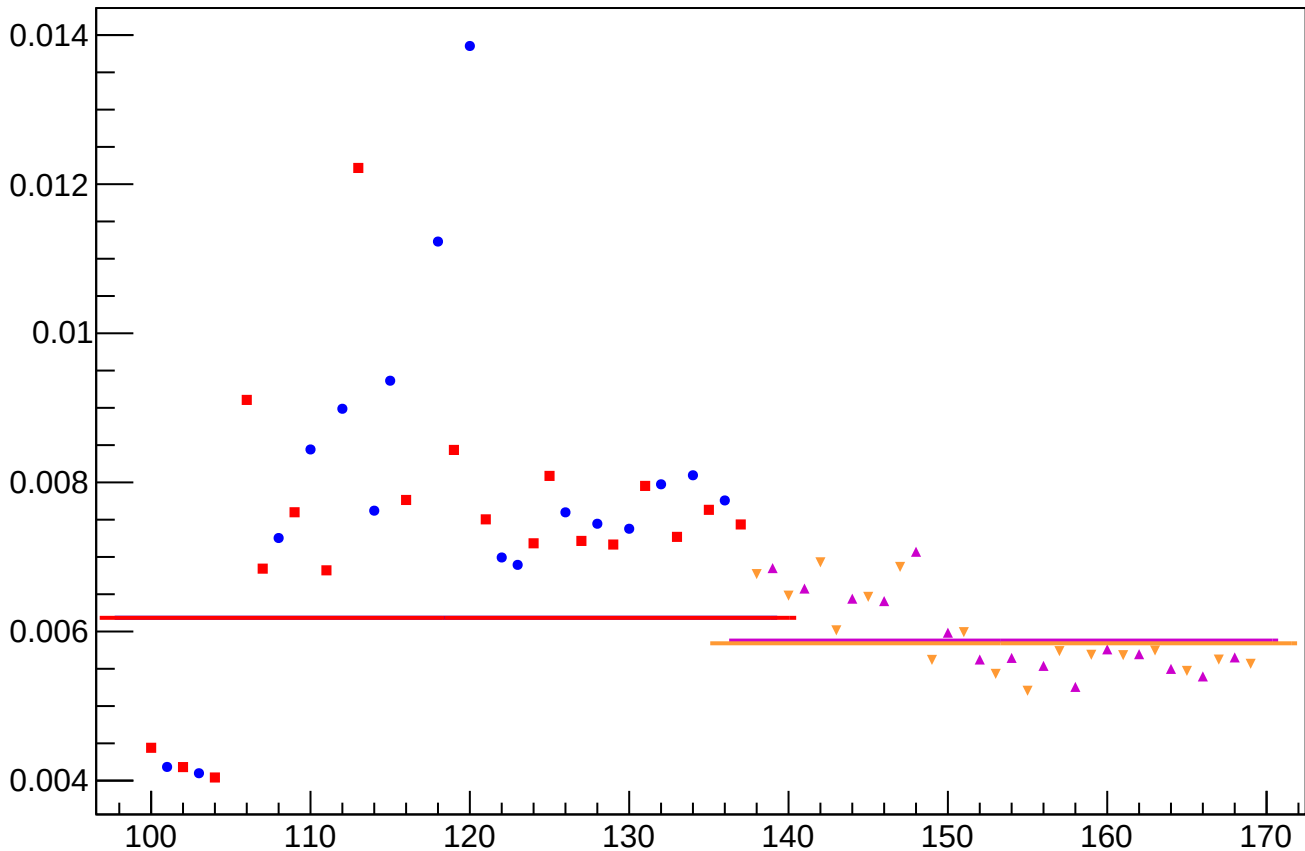
- sign 0.004+/-0.000 χ^2/NDF : 3078357.4/33

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000	χ^2/NDF : 31718573821.2/16	+ sign 0.051+/-0.000	χ^2/NDF : 608349406019.9/33
Left Out: -0.265+/-0.000	χ^2/NDF : 458356630848.0/16	All: 0.096+/-0.000	χ^2/NDF : 1140878072819.0
Right Out: 0.830+/-0.000	χ^2/NDF : 33335665437.8/18	- sign 0.142+/-0.000	χ^2/NDF : 530545601866.1/33
Left In: -0.189+/-0.000	χ^2/NDF : 390745325213.0/14		

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :152585.7/16

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

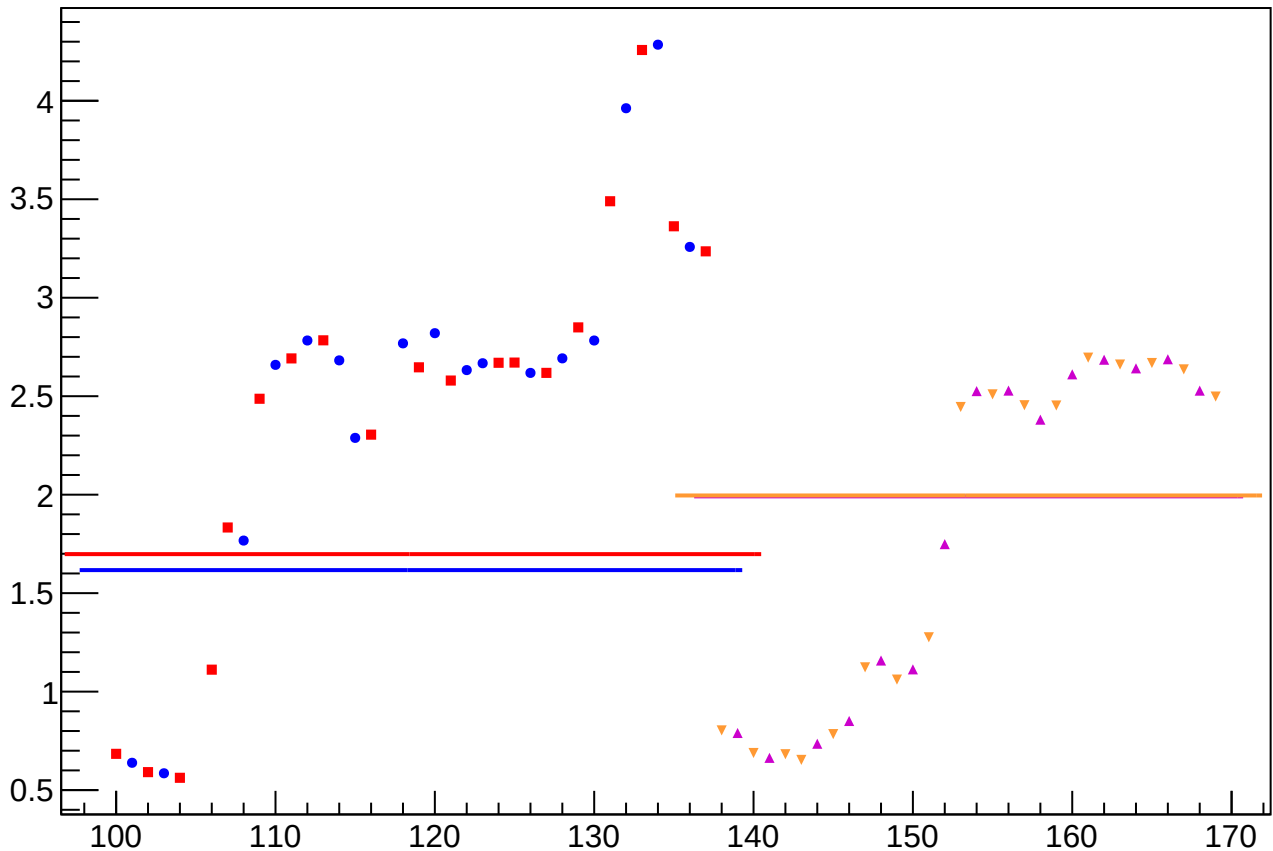
Left In: 0.006+/-0.000 χ^2/NDF :160366.3/14

+ sign 0.006+/-0.000 χ^2/NDF : 1404805.5/33

All: 0.006+/-0.000 χ^2/NDF : 2611760.9/67

- sign 0.006+/-0.000 χ^2/NDF : 1206311.7/33

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.996+/-0.000 χ^2/NDF : 252216718219.2/16

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

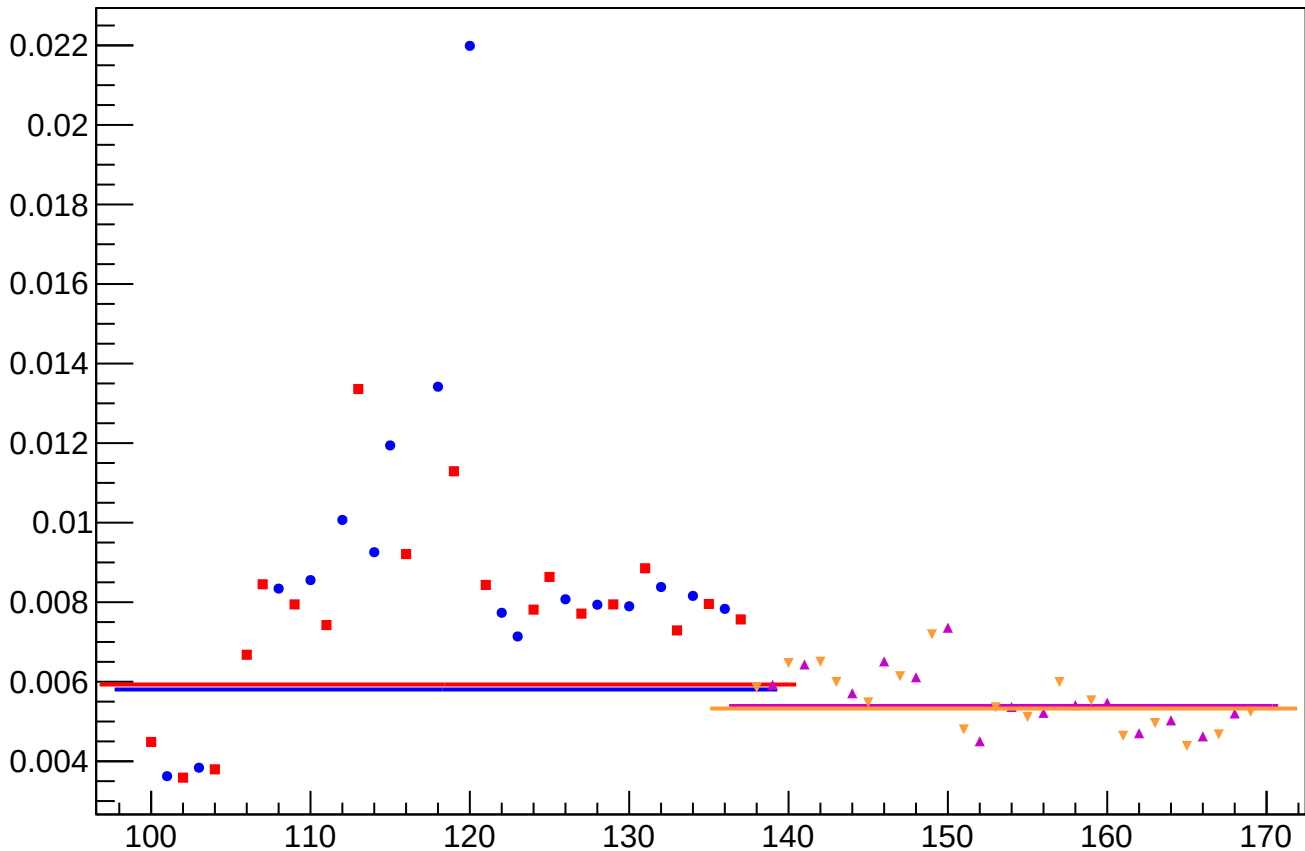
Left In: 1.991+/-0.000 χ^2/NDF : 212132712832.5/14

+ sign 1.894+/-0.000 χ^2/NDF : 470163402169.1/33

All: 1.899+/-0.000 χ^2/NDF : 918910154834.1

- sign 1.904+/-0.000 χ^2/NDF : 448724368958.0/33

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 361445.7/16

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

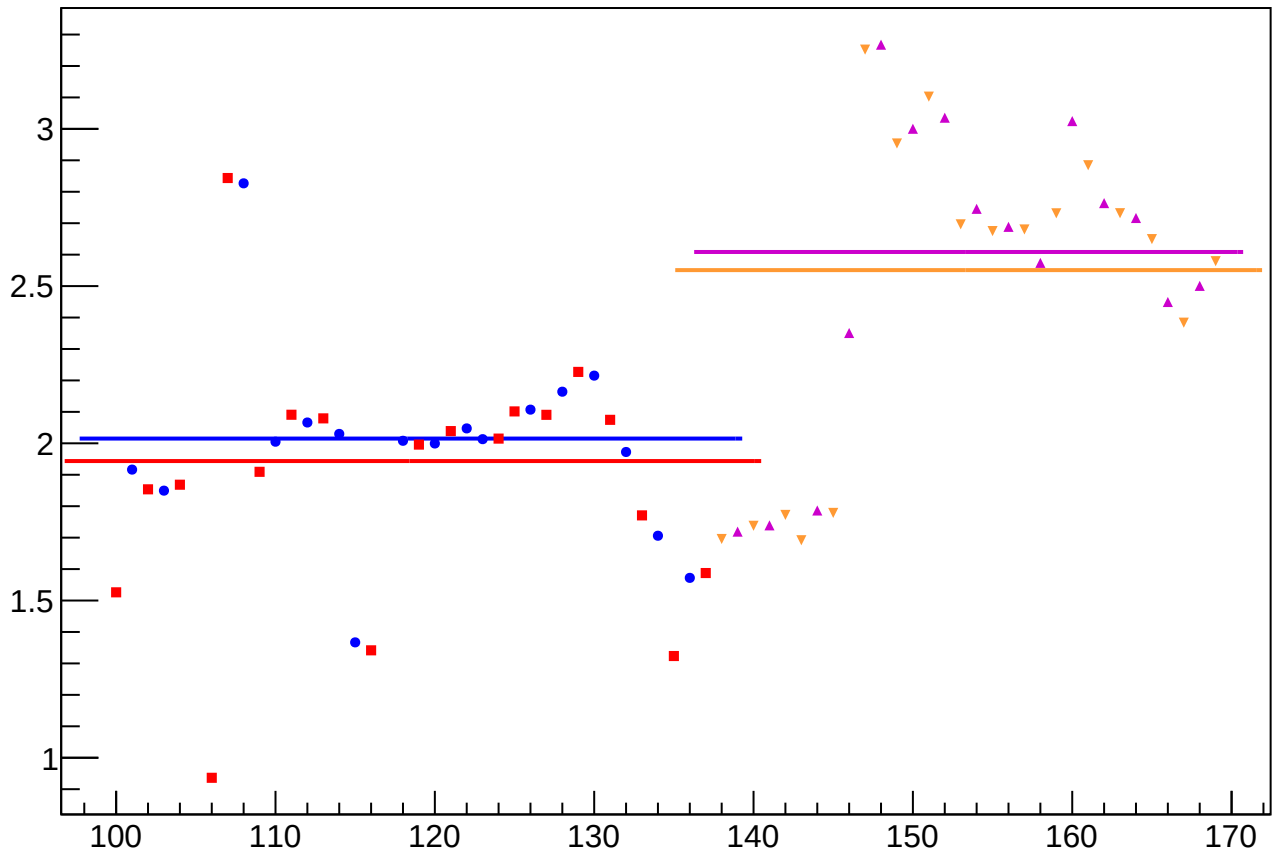
Left In: 0.005+/-0.000 χ^2/NDF : 342408.6/14

+ sign 0.005+/-0.000 χ^2/NDF : 2327579.0/33

All: 0.006+/-0.000 χ^2/NDF : 4422652.7/67

- sign 0.006+/-0.000 χ^2/NDF : 2090115.1/33

yield_bpm0l06X_mean vs Slug



Right In: 2.015 $\pm$ 0.000 χ^2 /NDF: 12228403202.6/16

Left Out: 2.551 $\pm$ 0.000 χ^2 /NDF: 48552516489.9/16

Right Out: 1.944 $\pm$ 0.000 χ^2 /NDF: 21427099579.0/18

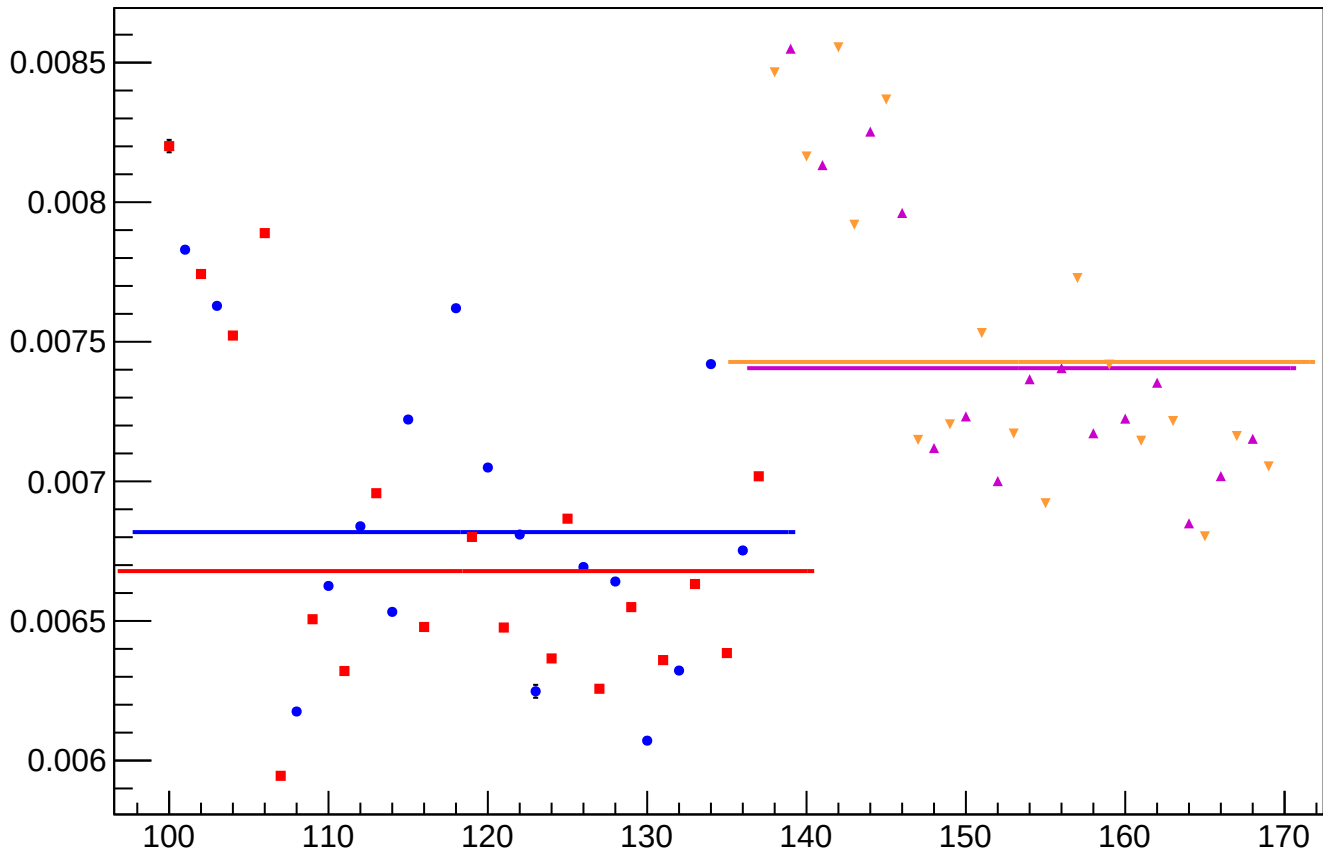
Left In: 2.608 $\pm$ 0.000 χ^2 /NDF: 41104481573.4/14

+ sign 2.343 $\pm$ 0.000 χ^2 /NDF: 84842773854.3/33

All: 2.334 $\pm$ 0.000 χ^2 /NDF: 185905387653.1

- sign 2.324 $\pm$ 0.000 χ^2 /NDF: 100994599010.7/33

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 75813.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:105320.3/16

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 75718.4/18

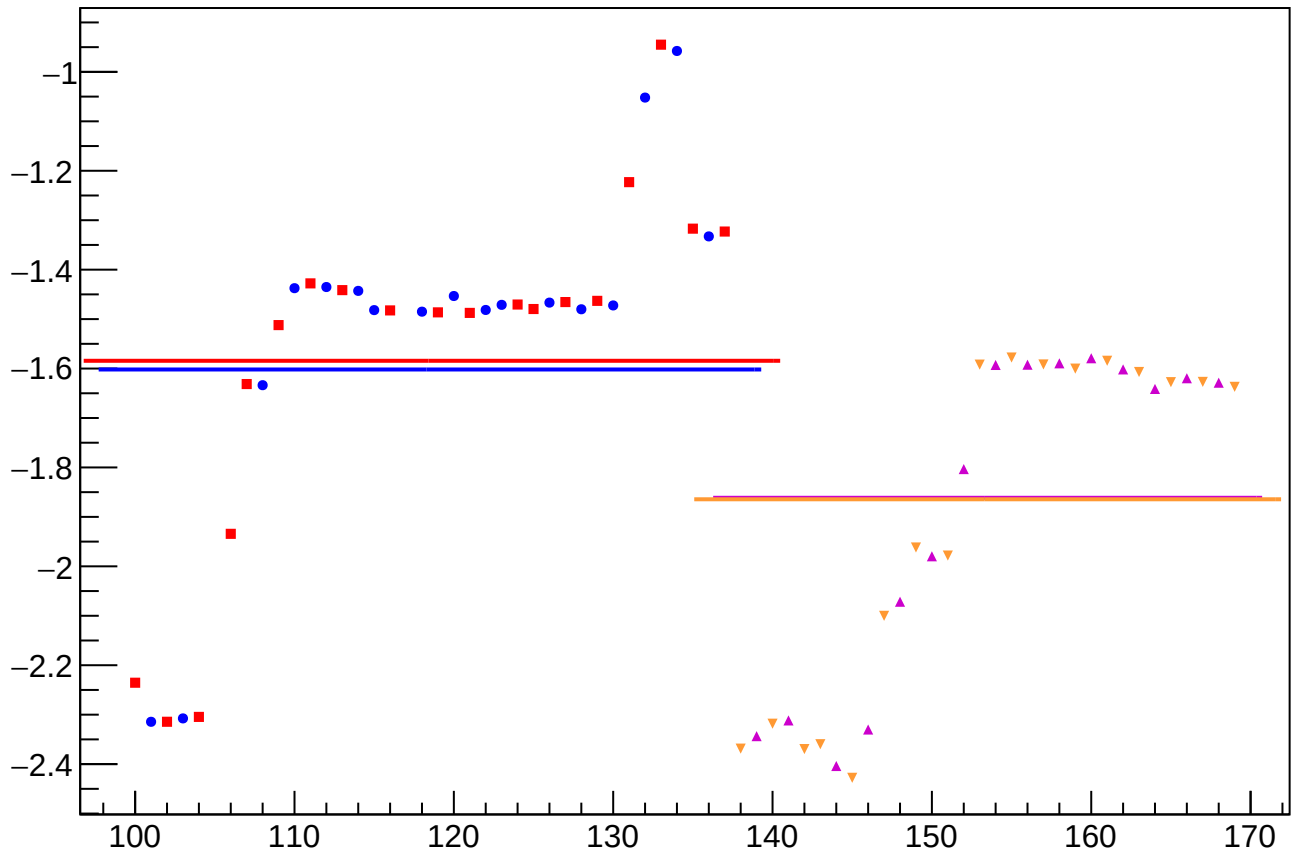
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:85387.5/14

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 243422.7/33

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 499824.3/67

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 253033.1/33

yield_bpm0l06Y_mean vs Slug



Right In: -1.602 ± 0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.864 ± 0.000 χ^2/NDF : 161512197378.0/16

Right Out: -1.584 ± 0.000 χ^2/NDF : 143578606614.3/18

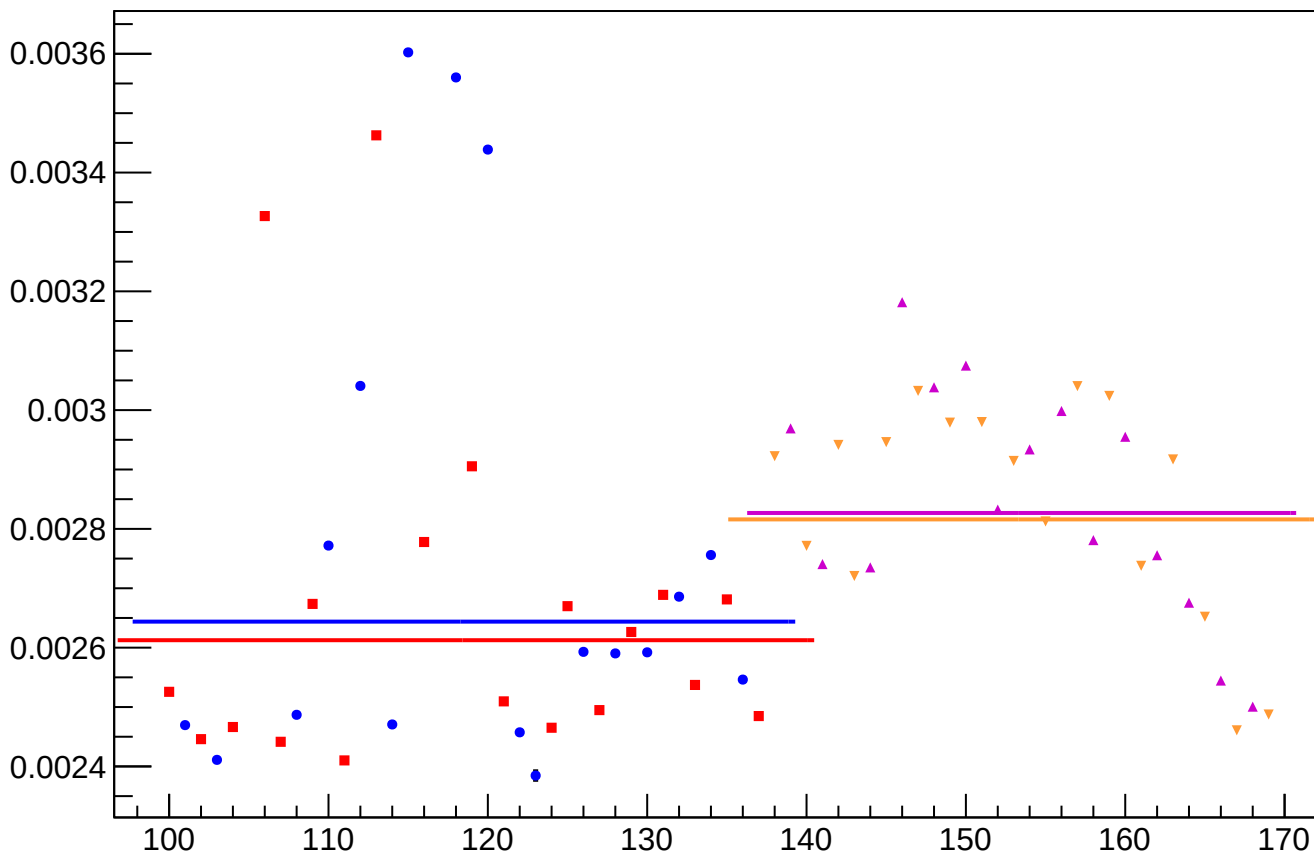
Left In: -1.861 ± 0.000 χ^2/NDF : 140891272511.7/14

+ sign -1.766 ± 0.000 χ^2/NDF : 340441030812.0/33

All: -1.756 ± 0.000 χ^2/NDF : 669397847964.3

- sign -1.747 ± 0.000 χ^2/NDF : 328514259860.5/33

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 151383.5/16

Left Out: 0.003+/-0.000 χ^2/NDF :107606.9/16

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

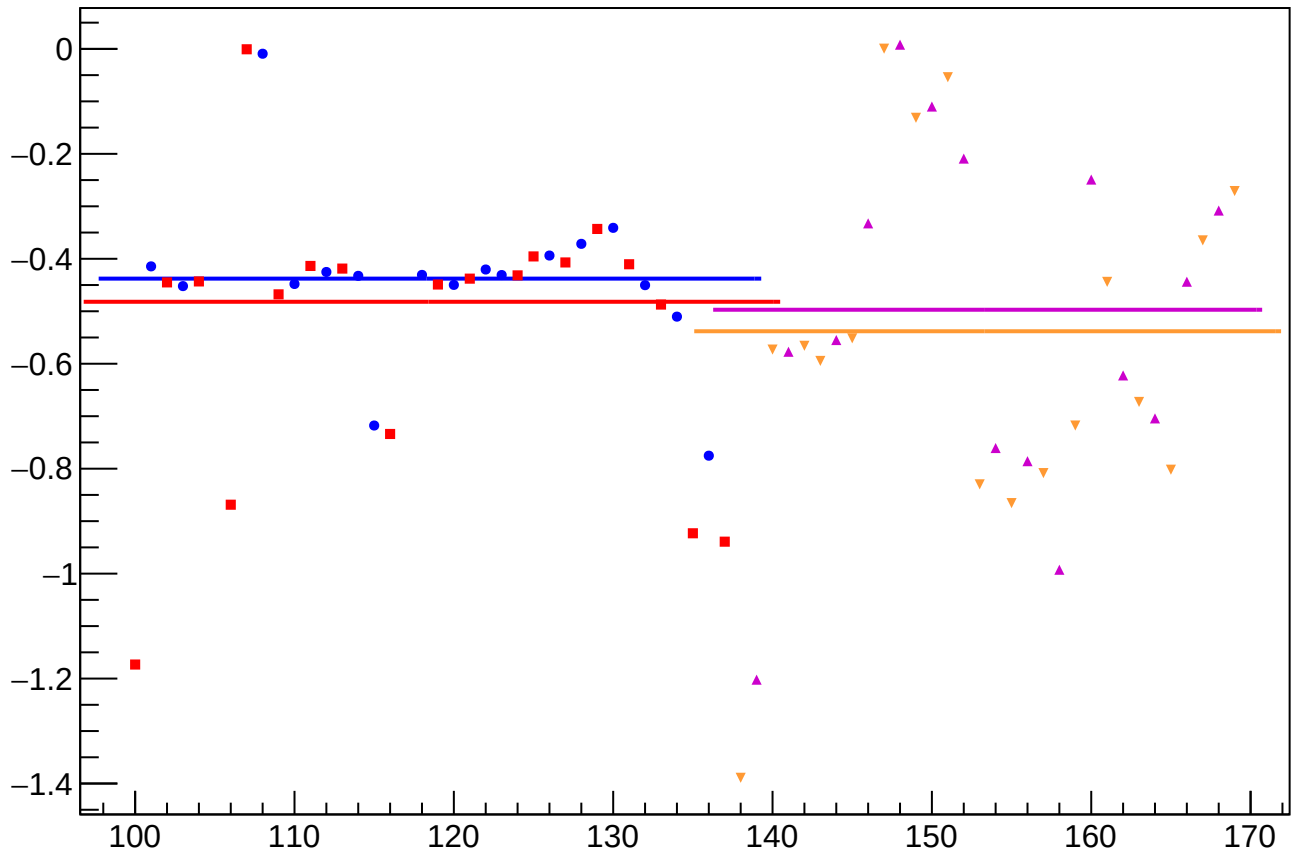
Left In: 0.003+/-0.000 χ^2/NDF :98188.5/14

+ sign 0.003+/-0.000 χ^2/NDF : 292295.1/33

All: 0.003+/-0.000 χ^2/NDF : 548873.0/67

- sign 0.003+/-0.000 χ^2/NDF : 256157.6/33

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.538+/-0.000 χ^2/NDF : 8416728062.5/16

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

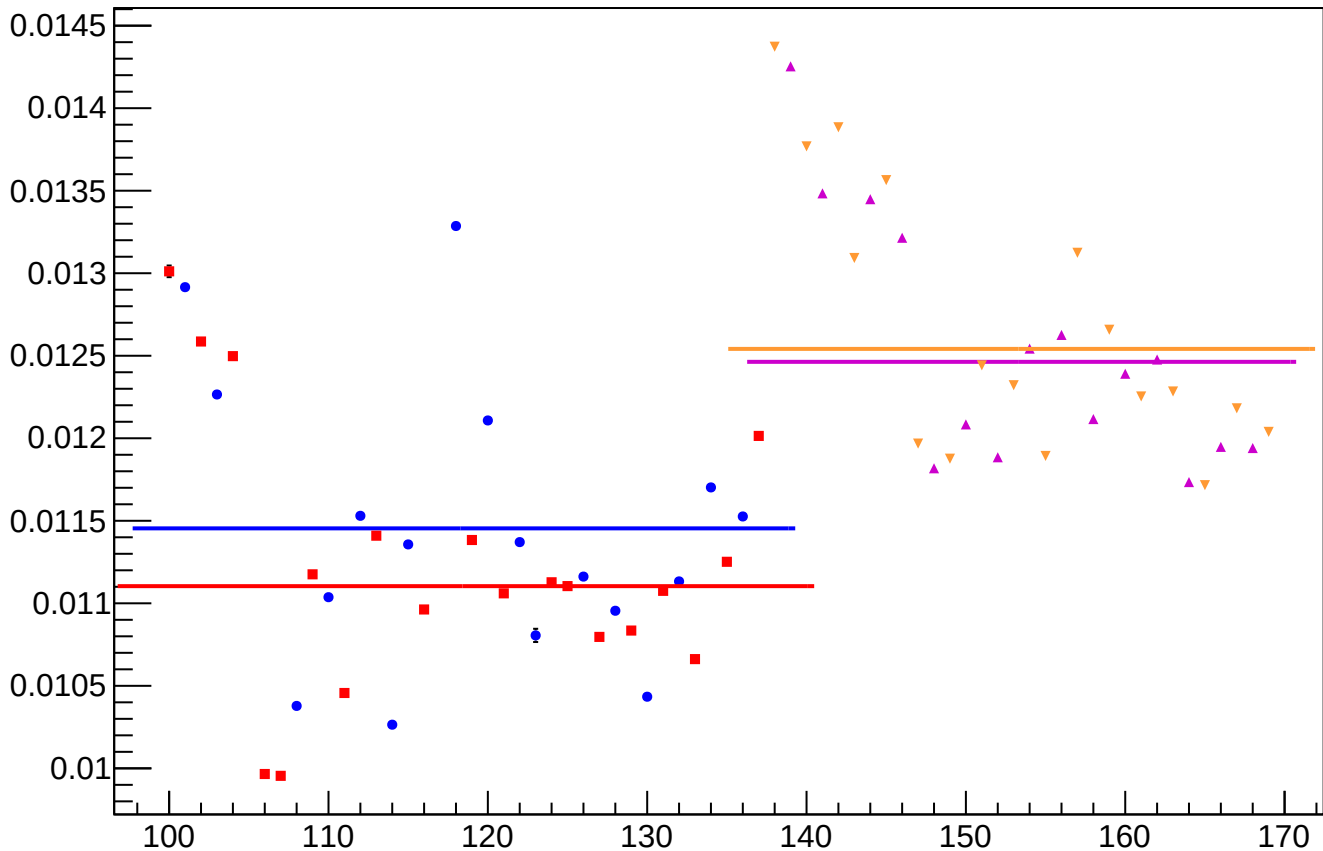
Left In: -0.497+/-0.000 χ^2/NDF : 7328762342.9/14

+ sign -0.499+/-0.000 χ^2/NDF : 10180655790.0/33

All: -0.495+/-0.000 χ^2/NDF : 20215694339.3/33

- sign -0.490+/-0.000 χ^2/NDF : 10030665970.6/33

yield_bpm0l07X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 64687.8/16

Left Out: 0.013+/-0.000 χ^2/NDF : 78772.1/16

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

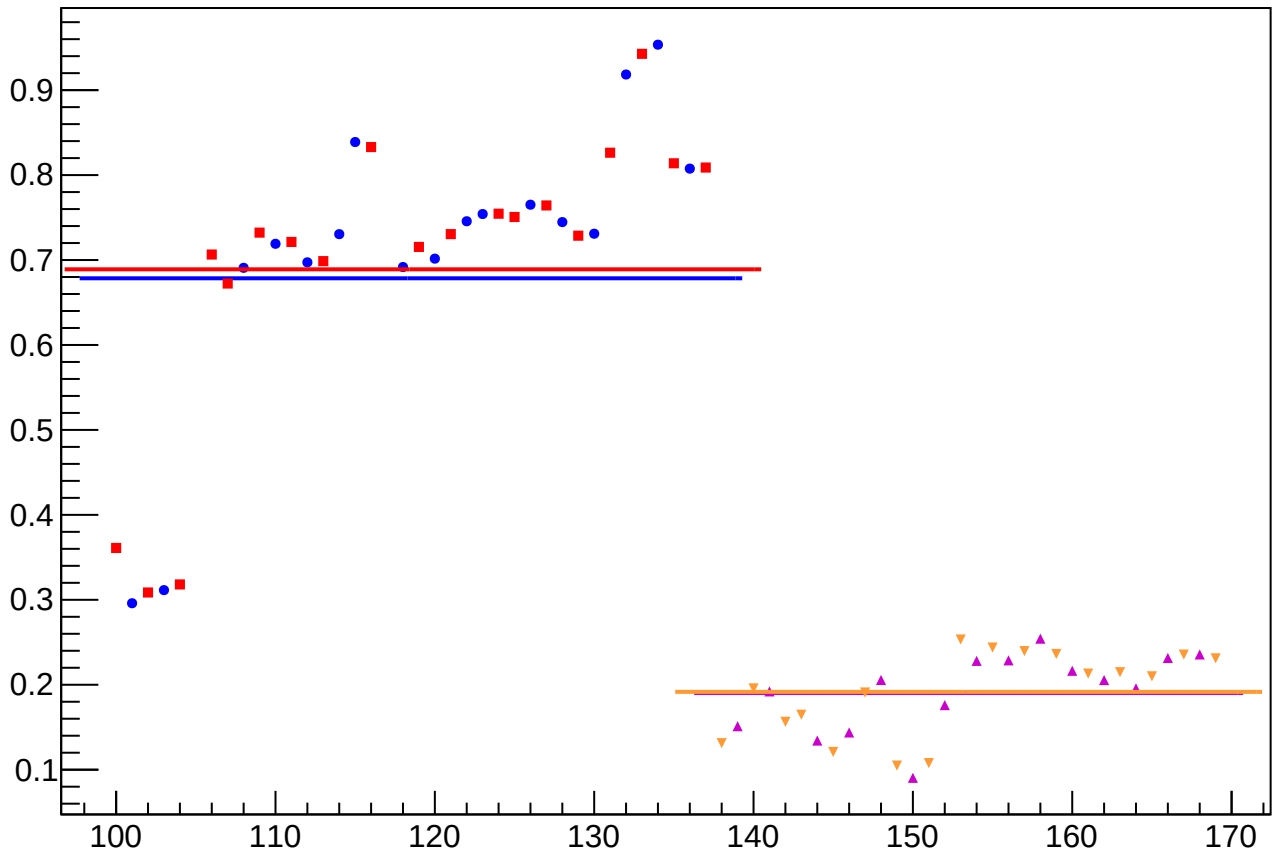
Left In: 0.012+/-0.000 χ^2/NDF : 64389.5/14

+ sign 0.012+/-0.000 χ^2/NDF : 214340.4/33

All: 0.012+/-0.000 χ^2/NDF : 459066.4/67

- sign 0.012+/-0.000 χ^2/NDF : 236807.4/33

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.192 $\pm$ 0.000 χ^2 /NDF: 6244105495.5/16

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

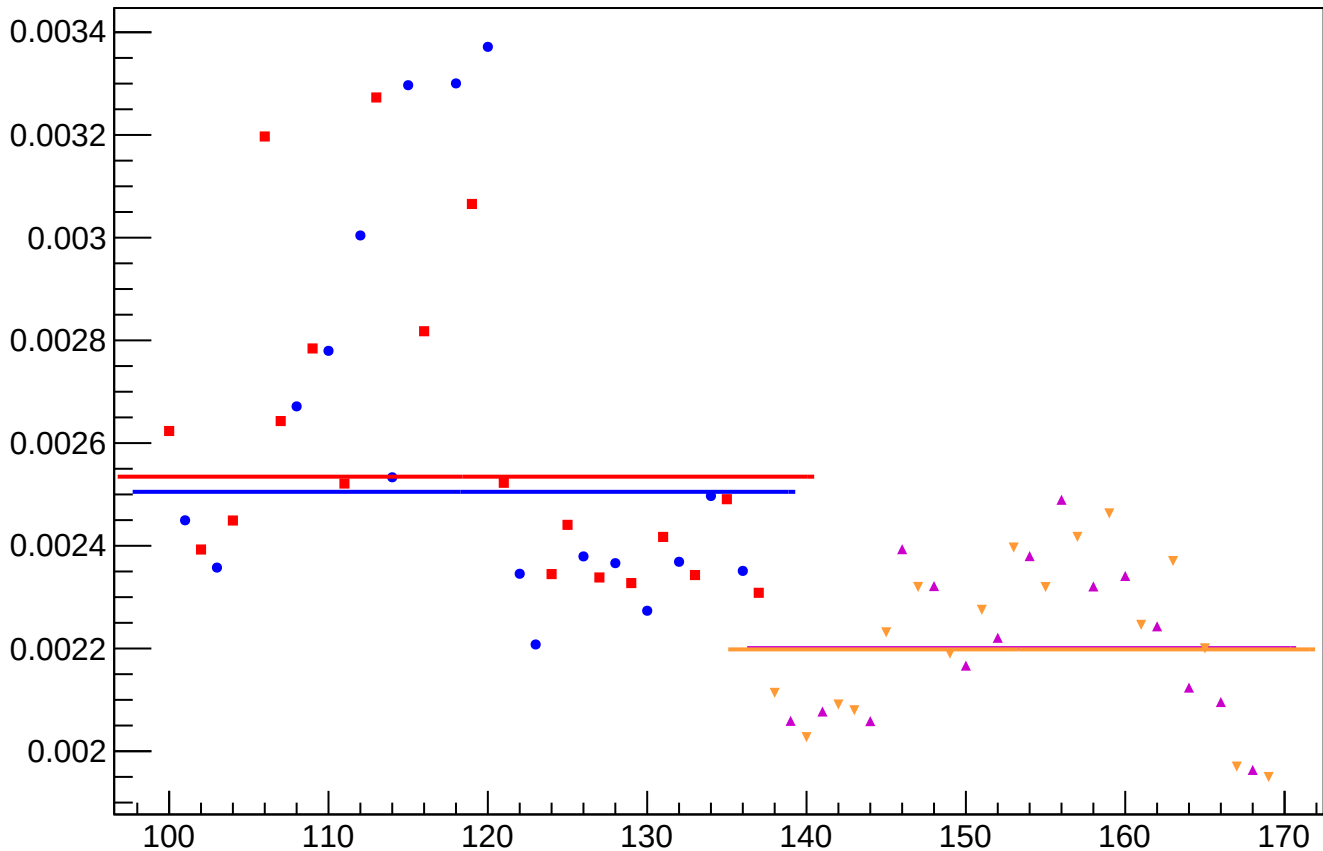
Left In: 0.190 $\pm$ 0.000 χ^2 /NDF: 4881323607.1/14

+ sign 0.329 $\pm$ 0.000 χ^2 /NDF: 217416322350.2/33

All: 0.336 $\pm$ 0.000 χ^2 /NDF: 438378393732.1

- sign 0.342 $\pm$ 0.000 χ^2 /NDF: 220658522143.4/33

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 175524.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:127908.3/16

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 131609.0/18

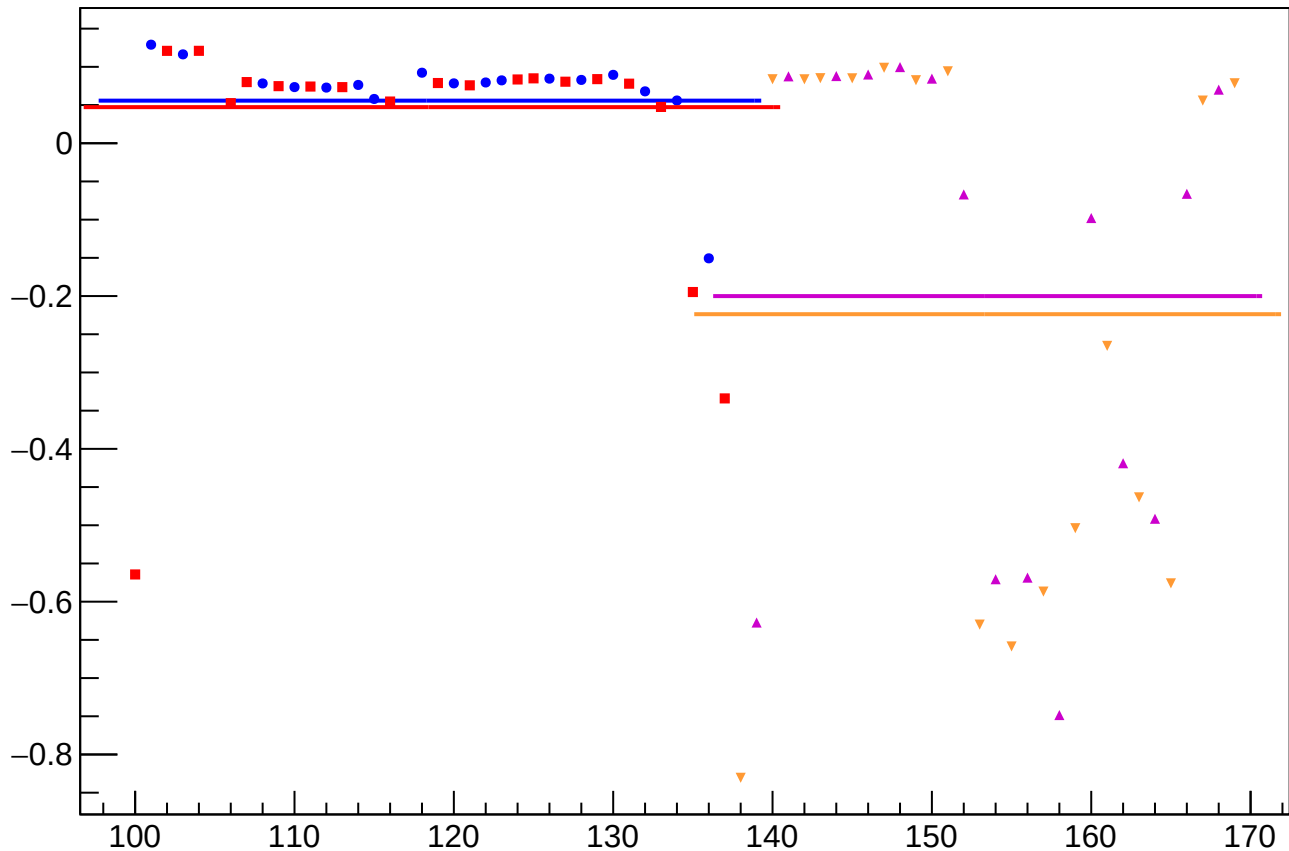
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:105185.8/14

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 440592.3/33

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 840048.9/67

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 398366.6/33

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.224+/-0.000 χ^2/NDF : 10430116879.3/16

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

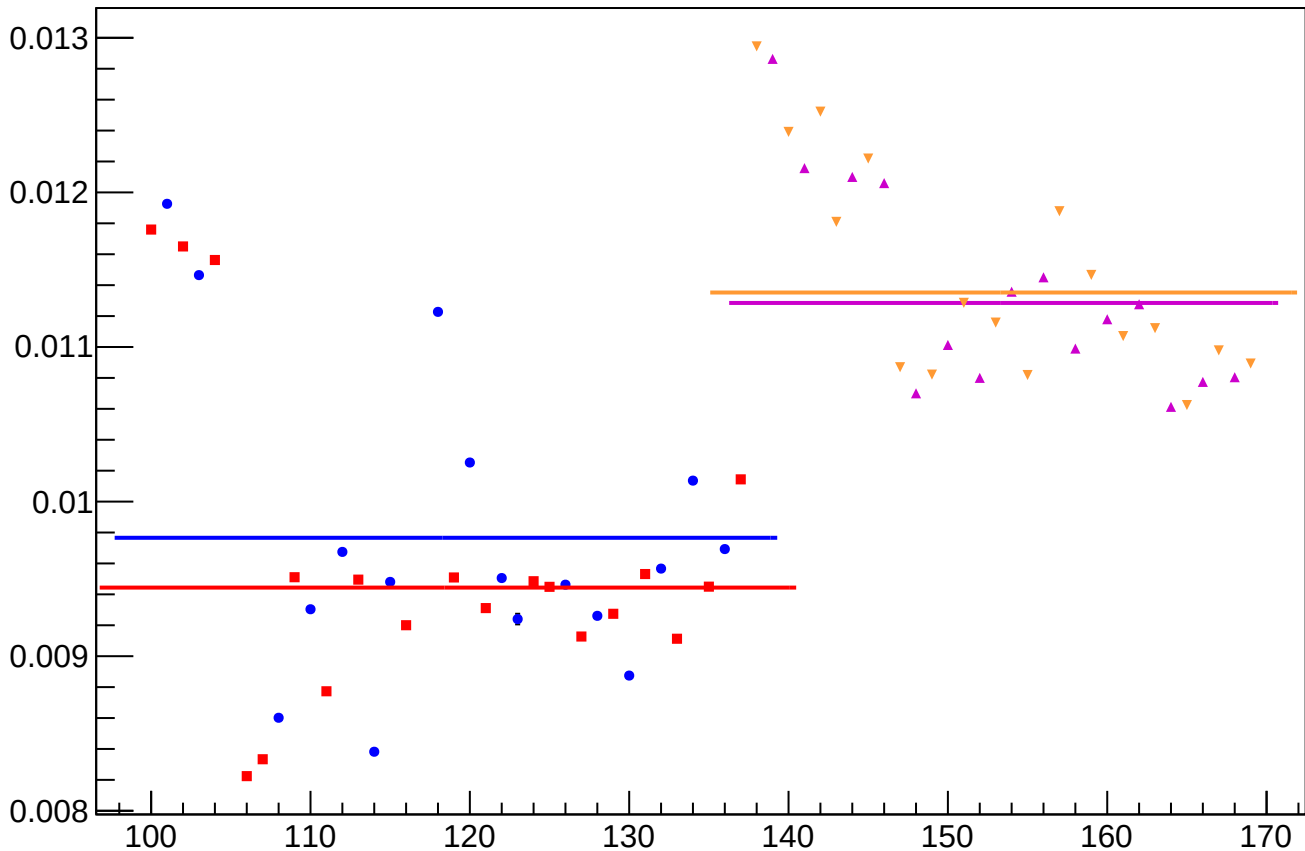
Left In: -0.200+/-0.000 χ^2/NDF : 8333955406.7/14

+ sign -0.106+/-0.000 χ^2/NDF : 13912820923.3/33

All: -0.095+/-0.000 χ^2/NDF : 25617174883.5/33

- sign -0.084+/-0.000 χ^2/NDF : 11662630053.1/33

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116638.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 72059.3/16

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 110693.8/18

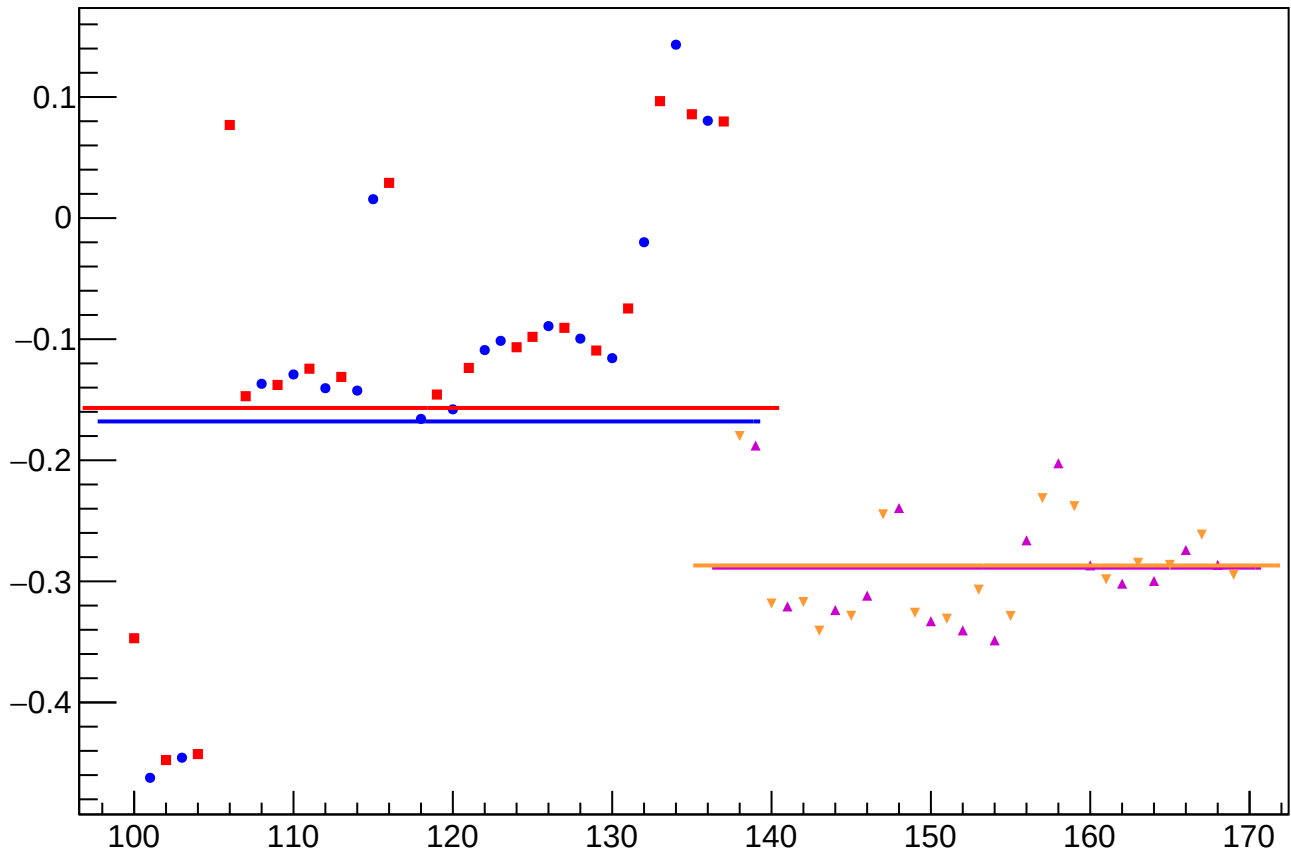
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 62013.5/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 385878.1/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 848330.4/67

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 450840.2/33

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.287+/-0.000 χ^2/NDF : 2775167252.2/16

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

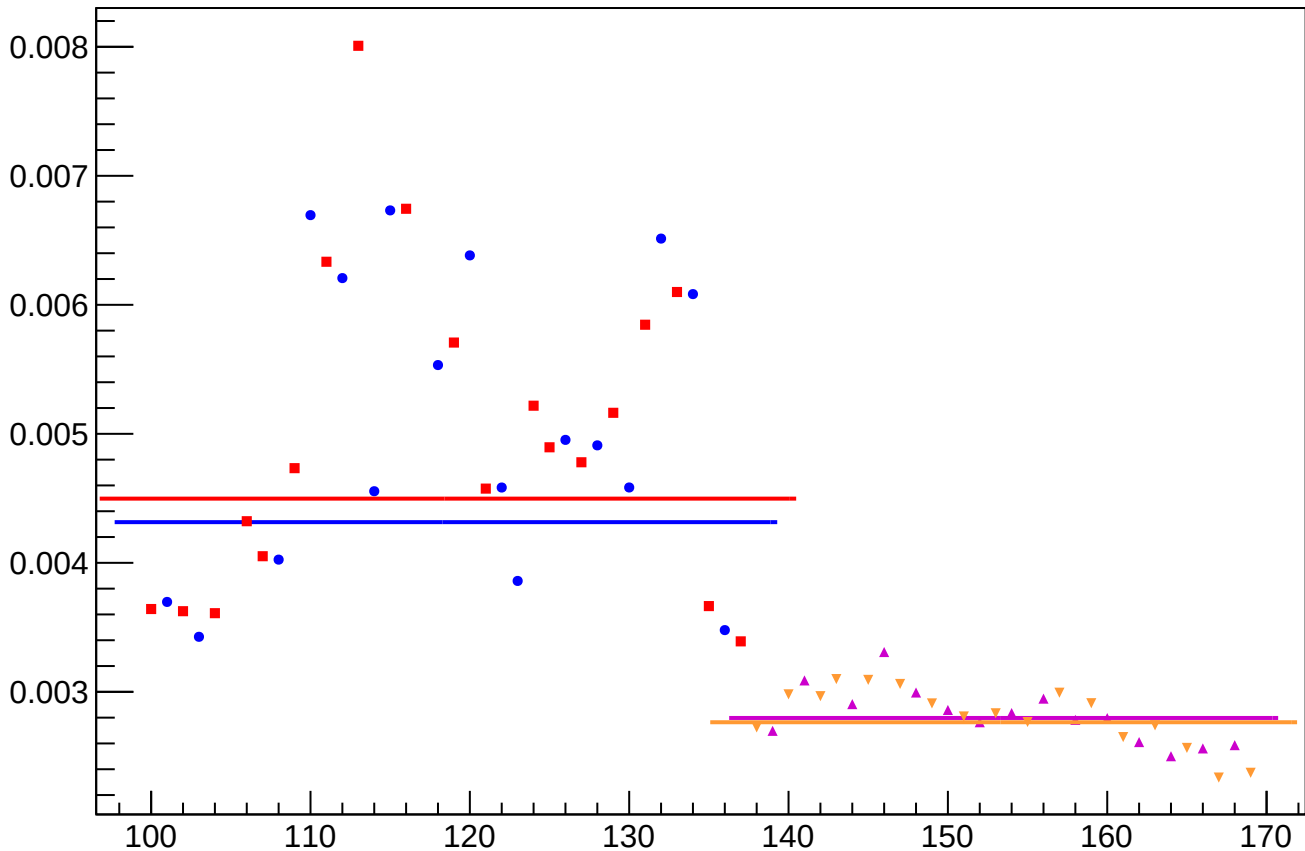
Left In: -0.289+/-0.000 χ^2/NDF : 3080990457.2/14

+ sign -0.267+/-0.000 χ^2/NDF : 18789628218.4/33

All: -0.266+/-0.000 χ^2/NDF : 37297851465.1/33

- sign -0.265+/-0.000 χ^2/NDF : 18504586922.6/33

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:178272.9/16

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 649708.4/18

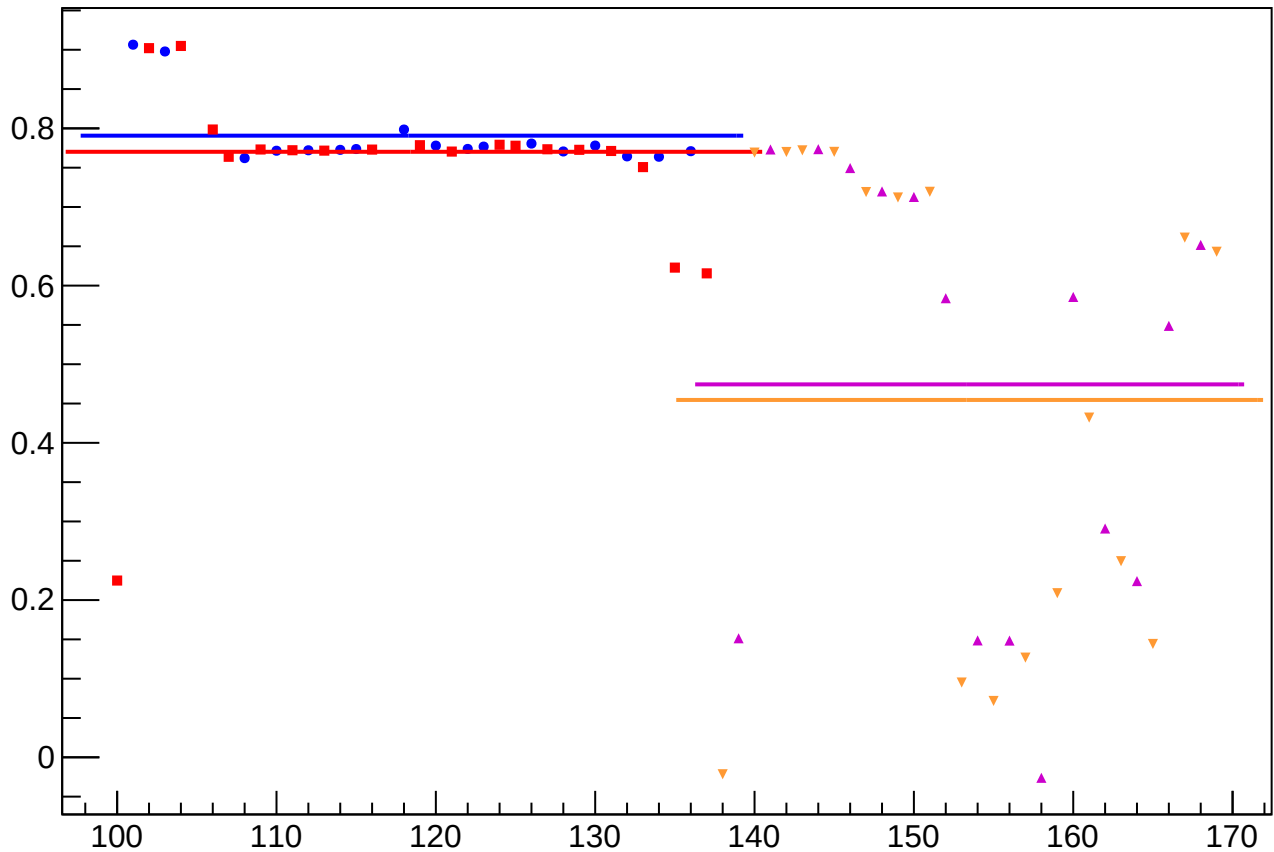
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:106957.4/14

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2050577.2/33

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4279727.2/67

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2217731.5/33

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.455 $\pm$ 0.000 χ^2 /NDF: 8242788706.3/16

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

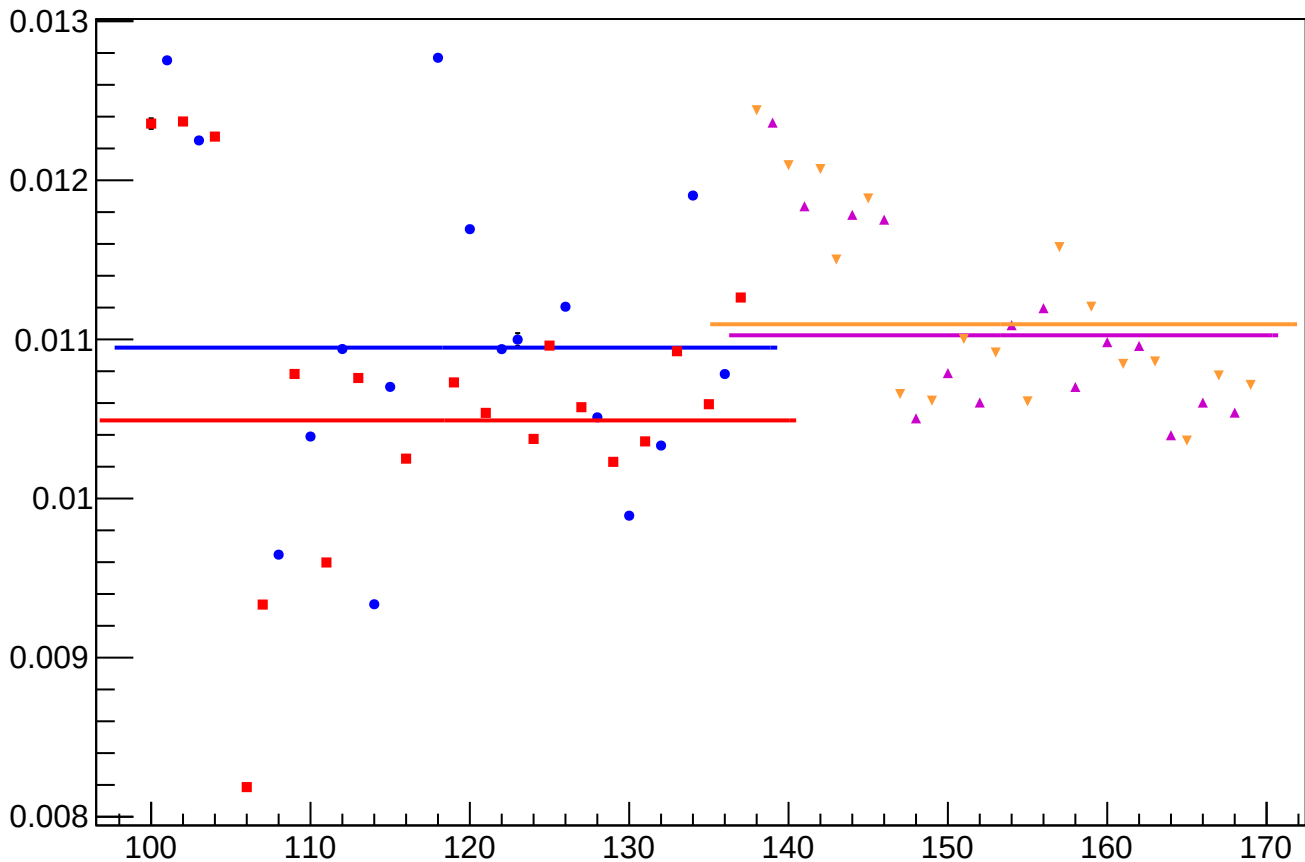
Left In: 0.474 $\pm$ 0.000 χ^2 /NDF: 6788070609.3/14

+ sign 0.573 $\pm$ 0.000 χ^2 /NDF: 12277630851.1/33

All: 0.584 $\pm$ 0.000 χ^2 /NDF: 22738067765.9/6

- sign 0.594 $\pm$ 0.000 χ^2 /NDF: 10426909272.2/33

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 61854.7/16

Right Out: 0.010+/-0.000 χ^2/NDF : 119420.8/18

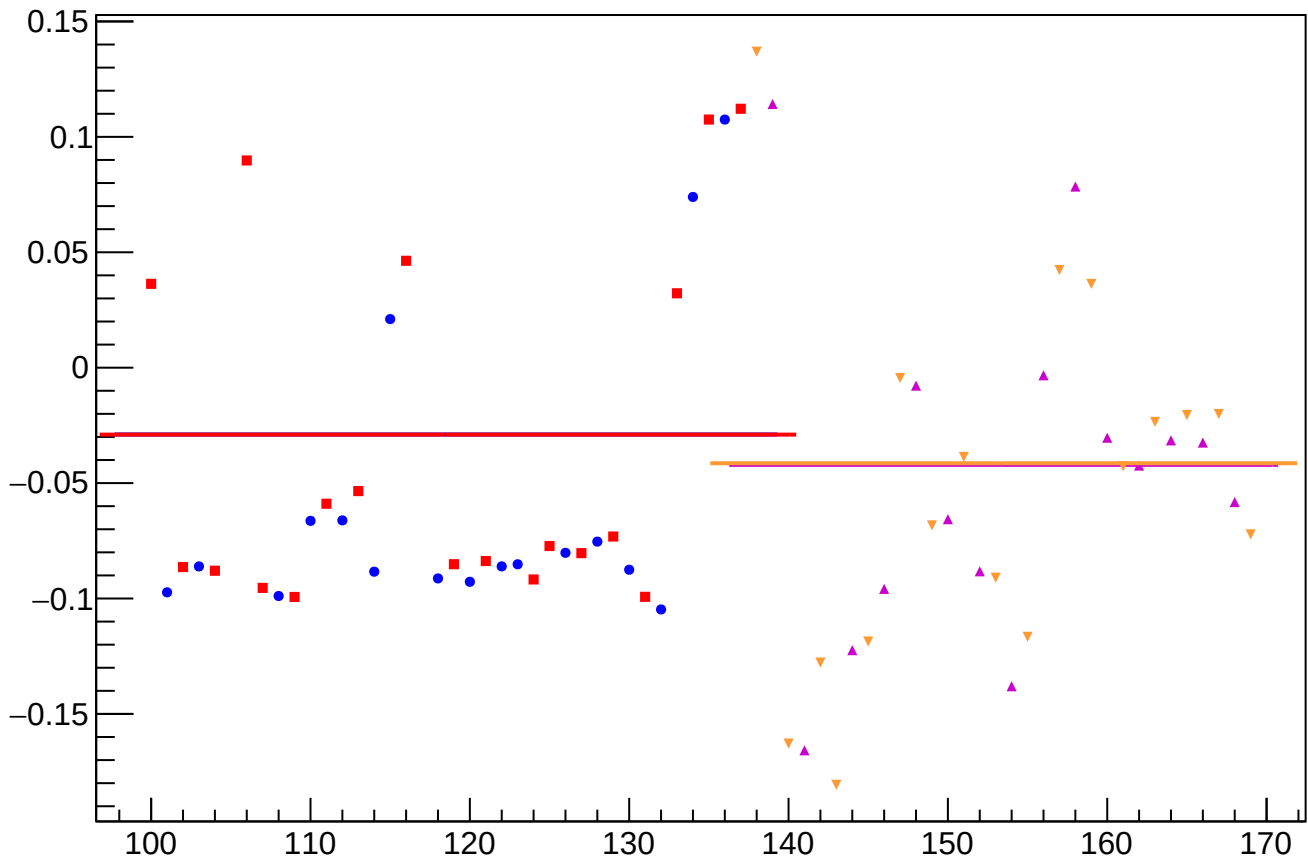
Left In: 0.011+/-0.000 χ^2/NDF : 53855.1/14

+ sign 0.011+/-0.000 χ^2/NDF : 161905.4/33

All: 0.011+/-0.000 χ^2/NDF : 364945.0/67

- sign 0.011+/-0.000 χ^2/NDF : 194623.2/33

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.041+/-0.000 χ^2/NDF : 6855740422.2/16

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

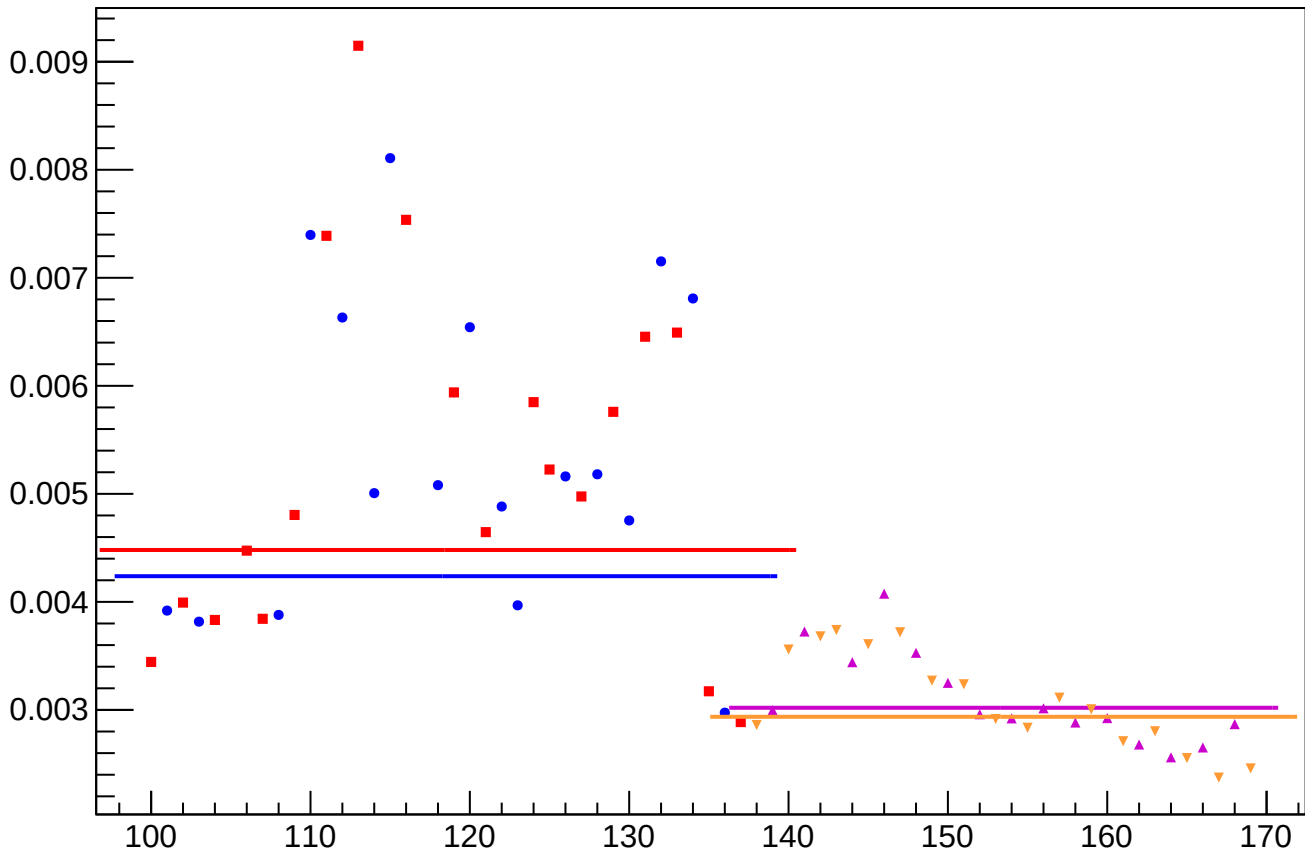
Left In: -0.042+/-0.000 χ^2/NDF : 5864384544.6/14

+ sign -0.039+/-0.000 χ^2/NDF : 9340284709.8/33

All: -0.039+/-0.000 χ^2/NDF : 17358219676.5/66

- sign -0.040+/-0.000 χ^2/NDF : 8017812009.3/33

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003+/-0.000 χ^2/NDF : 459681.4/16

Right Out: 0.004+/-0.000 χ^2/NDF : 984186.1/18

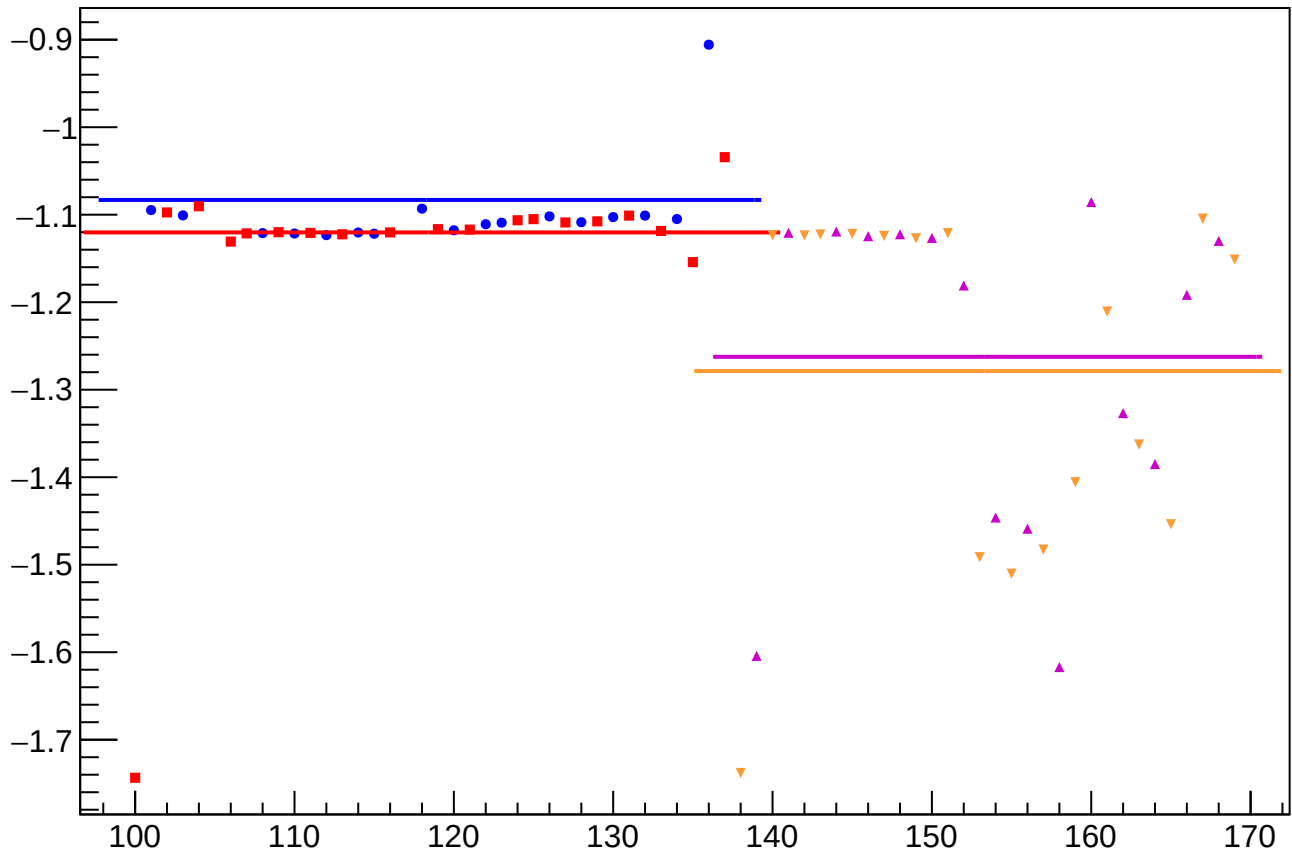
Left In: 0.003+/-0.000 χ^2/NDF : 298824.4/14

+ sign 0.003+/-0.000 χ^2/NDF : 2183326.6/33

All: 0.003+/-0.000 χ^2/NDF : 4490314.1/67

- sign 0.003+/-0.000 χ^2/NDF : 2279400.6/33

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.279+/-0.000 χ^2/NDF : 4186279776.5/16

Right Out: -1.120+/-0.000 χ^2/NDF : 220571280.7/18

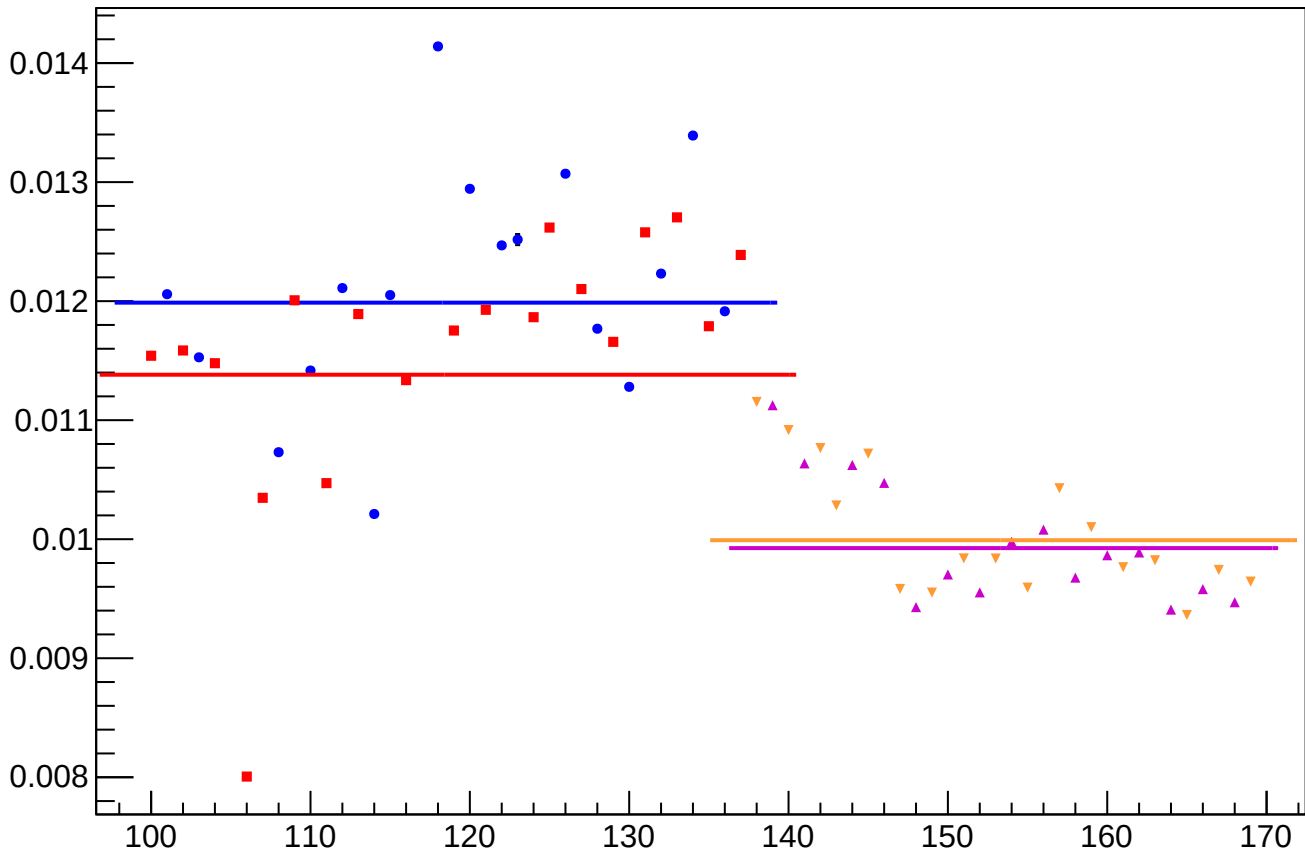
Left In: -1.262+/-0.000 χ^2/NDF : 3646711032.4/14

+ sign -1.226+/-0.000 χ^2/NDF : 5641808935.6/33

All: -1.222+/-0.000 χ^2/NDF : 10245493922.9/33

- sign -1.217+/-0.000 χ^2/NDF : 4597317607.0/33

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 59188.4/16

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

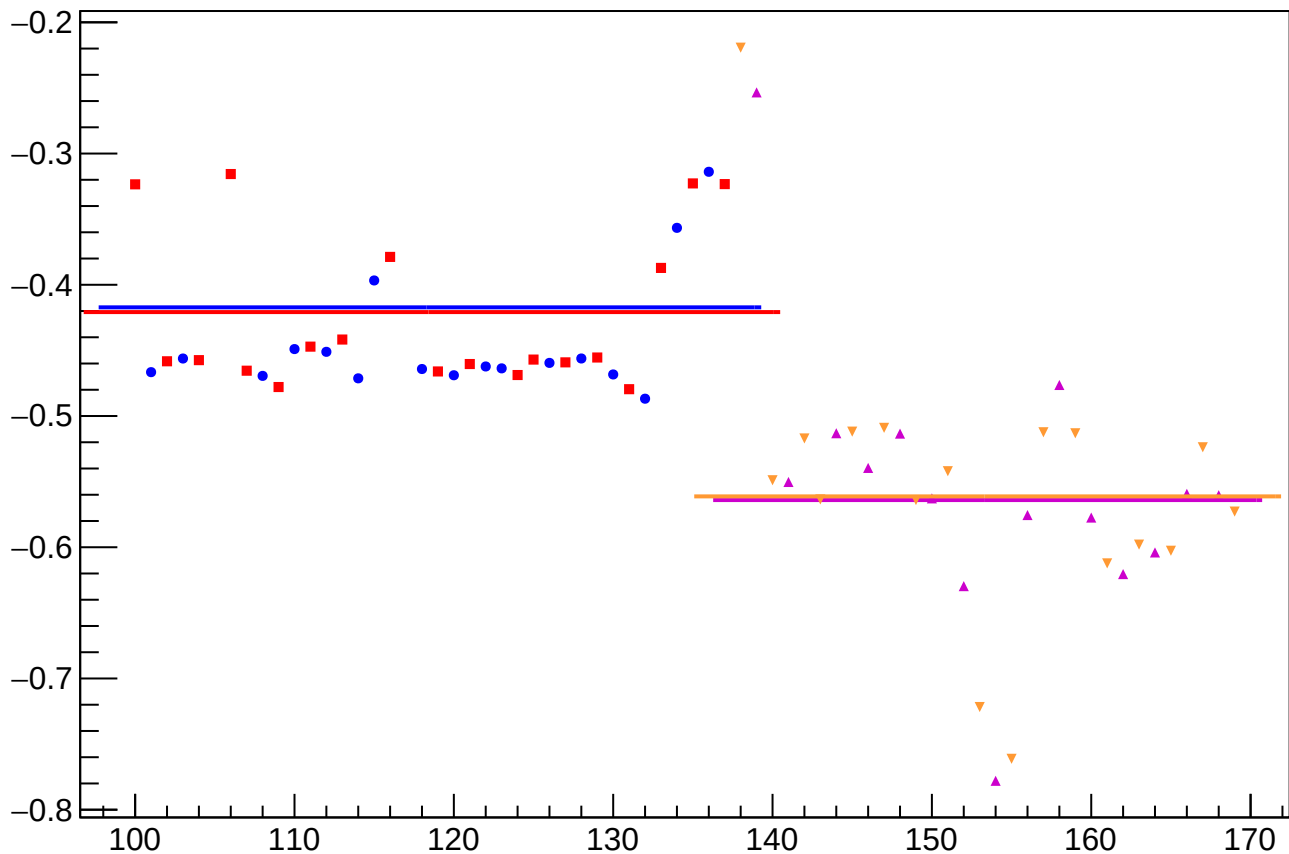
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 51679.3/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 380550.6/33

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 743398.6/67

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 359499.1/33

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.561+/-0.000 χ^2/NDF : 13250144968.7/16

Right Out: -0.421+/-0.000 χ^2/NDF : 1646463410.7/18

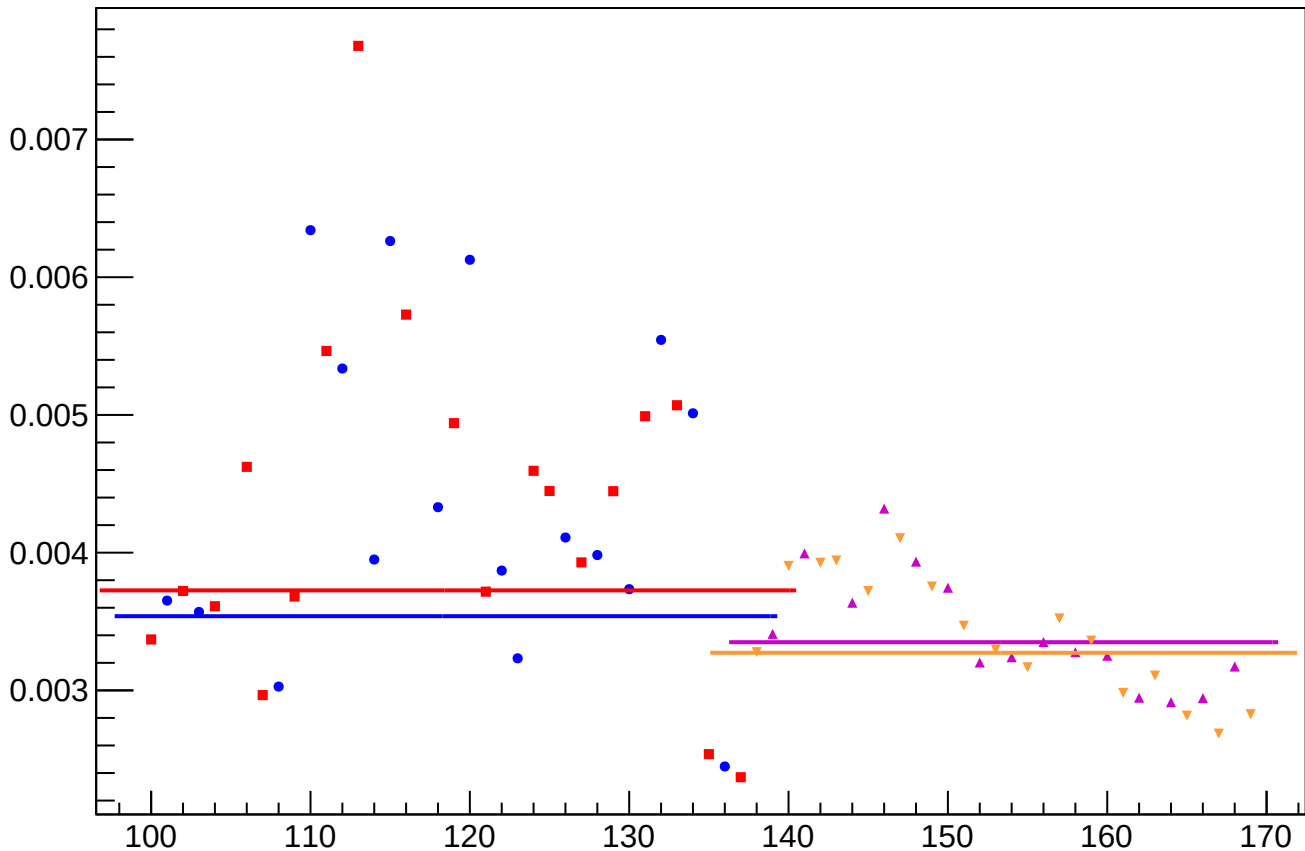
Left In: -0.564+/-0.000 χ^2/NDF : 10408138866.9/14

+ sign -0.520+/-0.000 χ^2/NDF : 21734246680.3/33

All: -0.520+/-0.000 χ^2/NDF : 39800517473.1/33

- sign -0.520+/-0.000 χ^2/NDF : 18066264005.4/33

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 836154.0/16

Left Out: 0.003+/-0.000 χ^2/NDF : 369806.3/16

Right Out: 0.004+/-0.000 χ^2/NDF : 898447.6/18

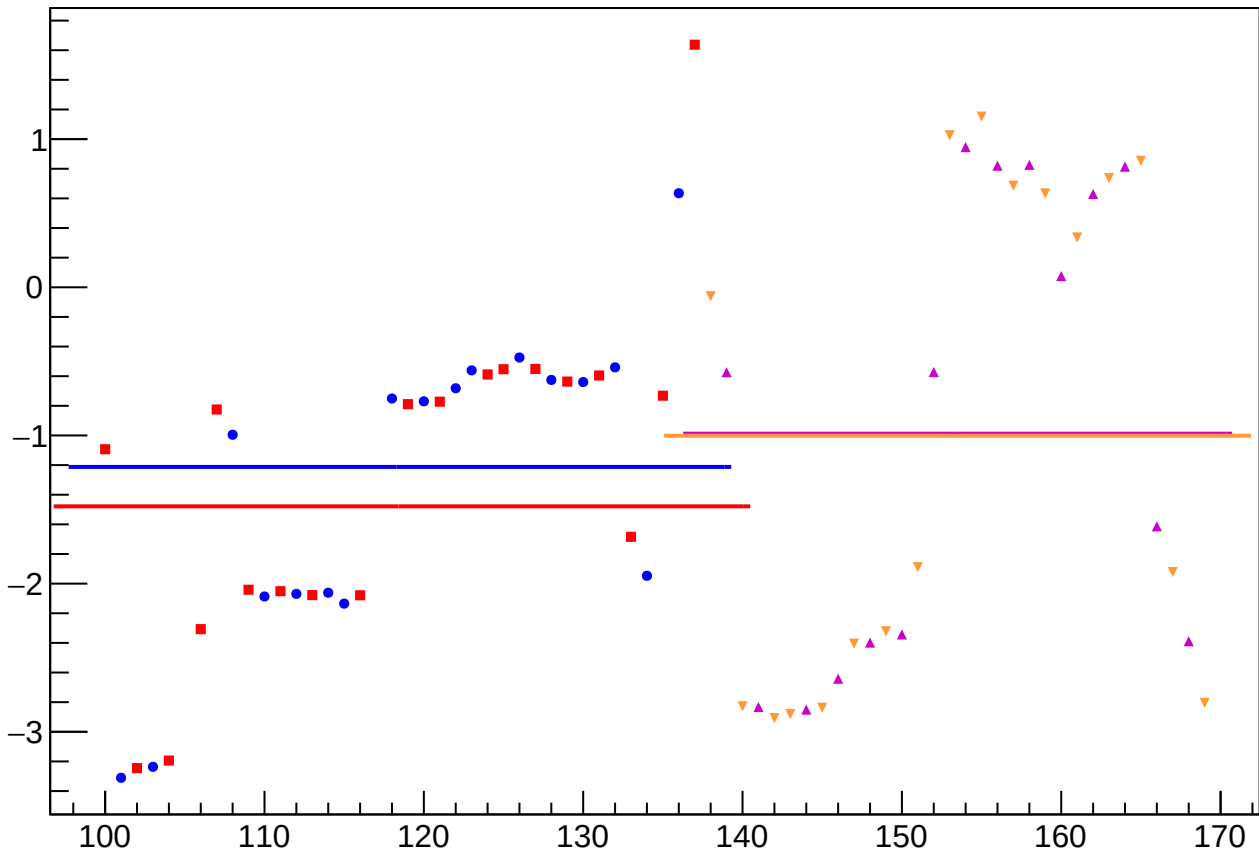
Left In: 0.003+/-0.000 χ^2/NDF : 251701.5/14

+ sign 0.003+/-0.000 χ^2/NDF : 1249819.9/33

All: 0.003+/-0.000 χ^2/NDF : 2502484.3/67

- sign 0.003+/-0.000 χ^2/NDF : 1233107.0/33

yield_bpm0r03X_mean vs Slug



Right In: -1.212 $\pm$ 0.000 χ^2 /NDF: 1992853443.9/16

Left Out: -1.002 $\pm$ 0.000 χ^2 /NDF: 5801021096.9/16

Right Out: -1.478 $\pm$ 0.000 χ^2 /NDF: 1578264383.8/18

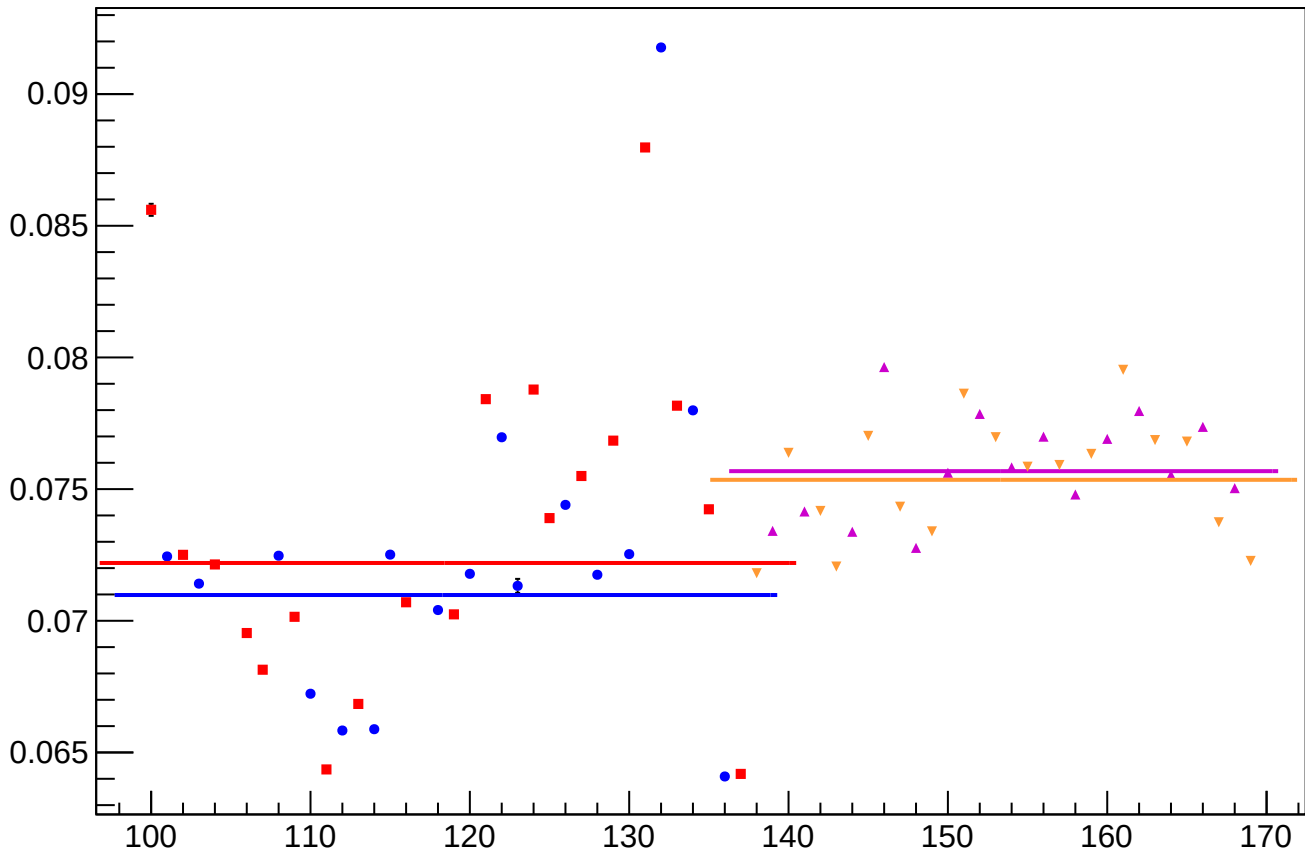
Left In: -0.988 $\pm$ 0.000 χ^2 /NDF: 4561145602.8/14

+ sign -1.080 $\pm$ 0.000 χ^2 /NDF: 7830149641.4/33

All: -1.131 $\pm$ 0.000 χ^2 /NDF: 14180580171.8/33

- sign -1.184 $\pm$ 0.000 χ^2 /NDF: 6331964991.9/33

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.075+/-0.000 χ^2/NDF : 21600.9/16

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

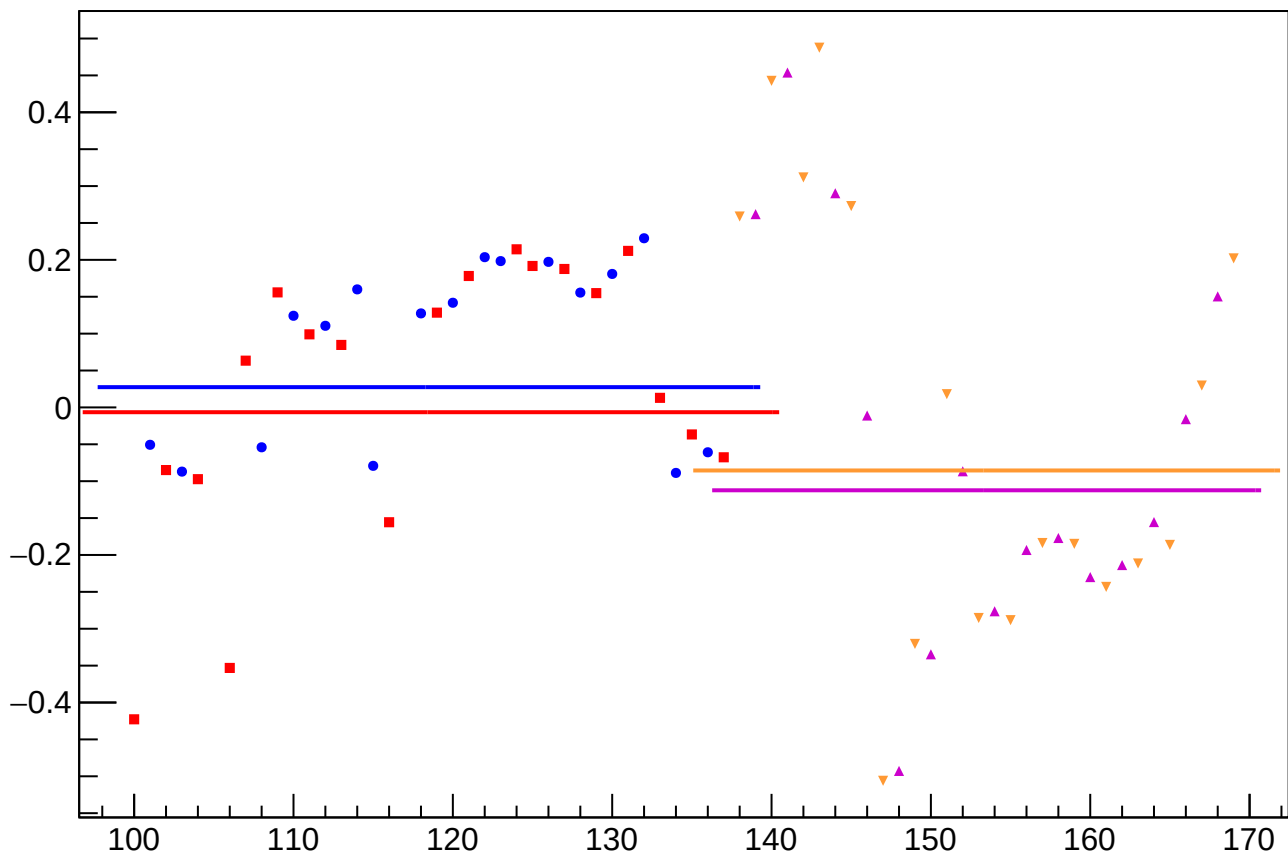
Left In: 0.076+/-0.000 χ^2/NDF : 14079.5/14

+ sign 0.074+/-0.000 χ^2/NDF : 130502.0/33

All: 0.074+/-0.000 χ^2/NDF : 238347.2/67

- sign 0.074+/-0.000 χ^2/NDF : 106763.7/33

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.085+/-0.000 χ^2/NDF : 16424090673.9/16

+ sign -0.070+/-0.000 χ^2/NDF : 17470496268.8/33

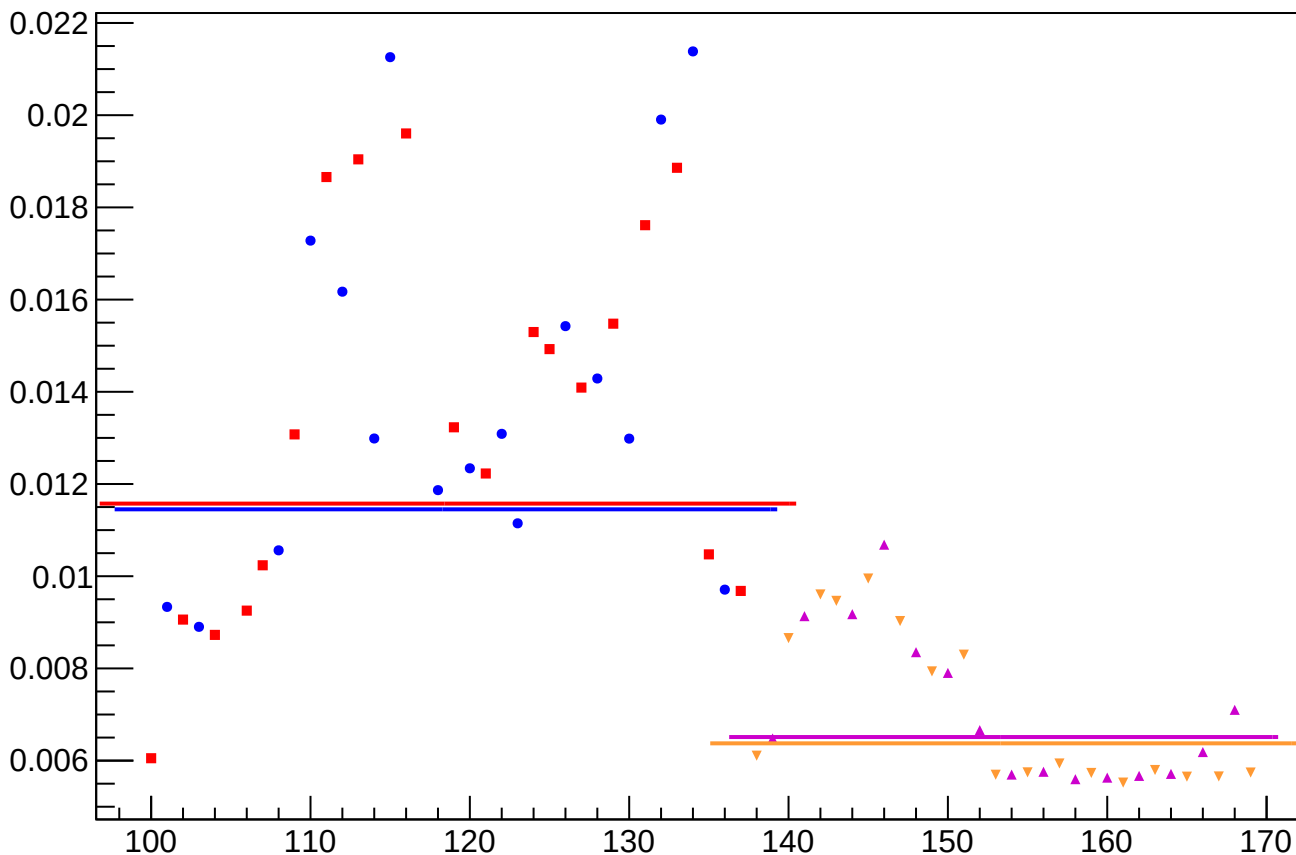
Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

All: -0.083+/-0.000 χ^2/NDF : 30702978834.3/33

Left In: -0.112+/-0.000 χ^2/NDF : 11507006433.6/14

- sign -0.096+/-0.000 χ^2/NDF : 13127539851.2/33

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 679628.0/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 926010.1/16

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 997161.1/18

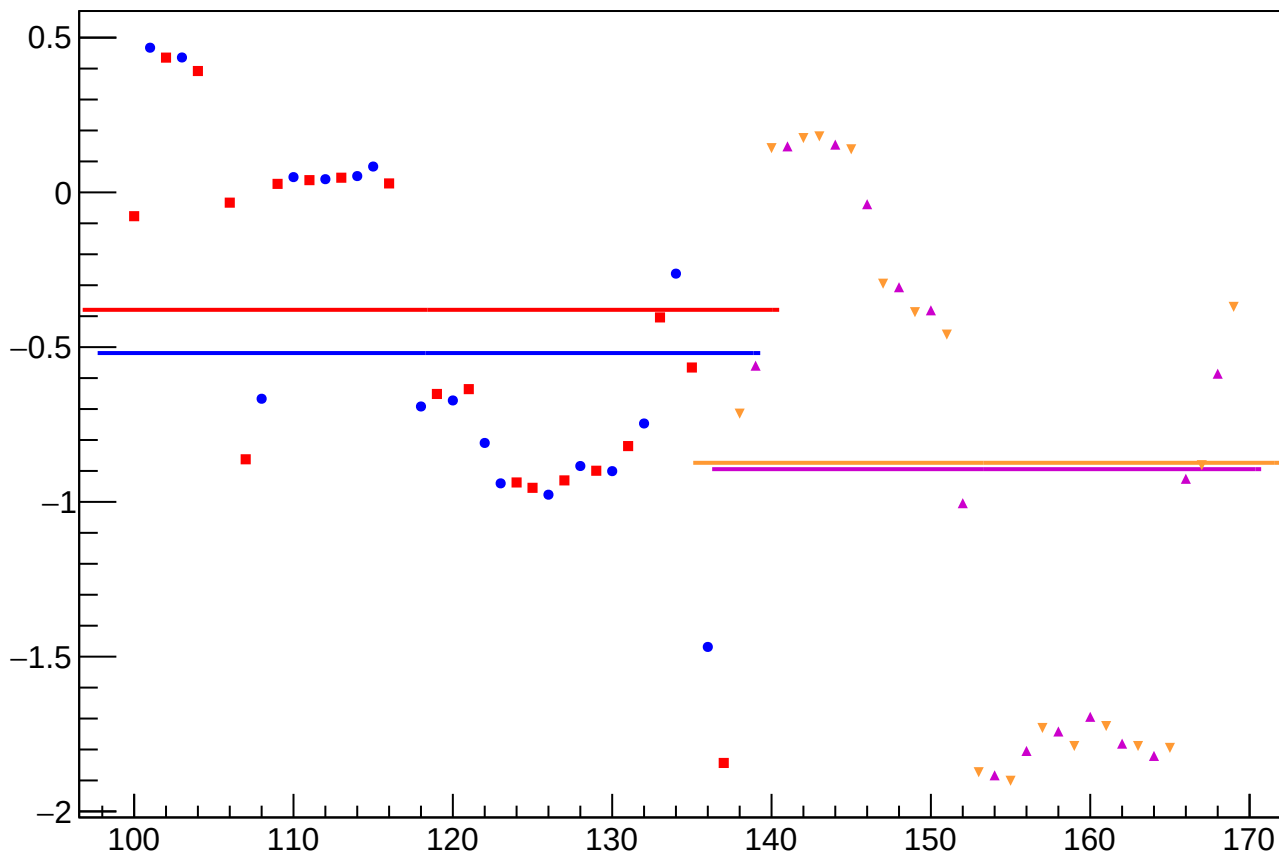
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 791613.7/14

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3561455.6/33

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7293363.6/67

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3716949.4/33

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.874 ± 0.000 χ^2/NDF : 1038641217.1/16

Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

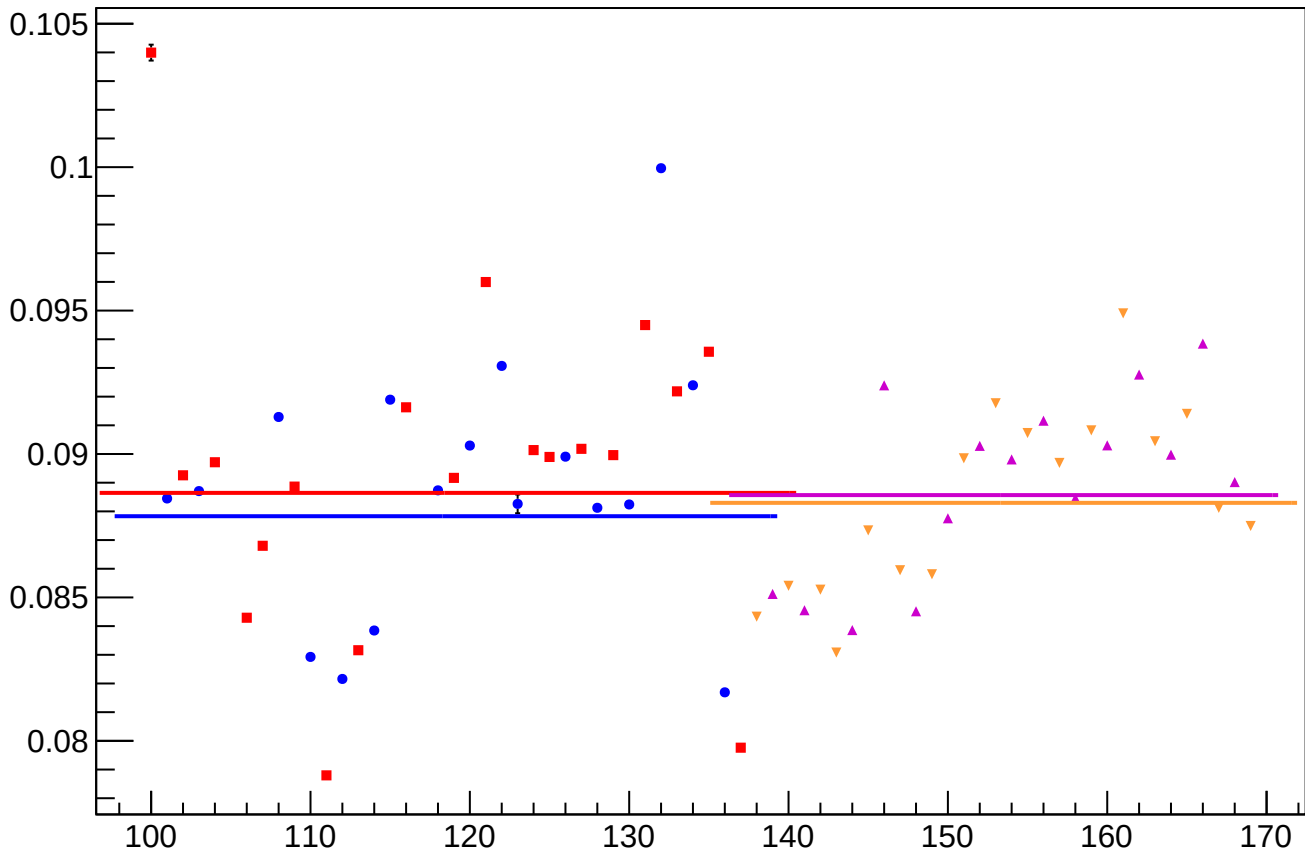
Left In: -0.894 ± 0.000 χ^2/NDF : 866291787.8/14

+ sign -0.750 ± 0.000 χ^2/NDF : 1448956881.3/33

All: -0.725 ± 0.000 χ^2/NDF : 2735522238.8/6

- sign -0.699 ± 0.000 χ^2/NDF : 1283410661.4/33

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34954.4/16

Left Out: 0.088 $\pm$ 0.000 χ^2 /NDF:29515.4/16

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39722.9/18

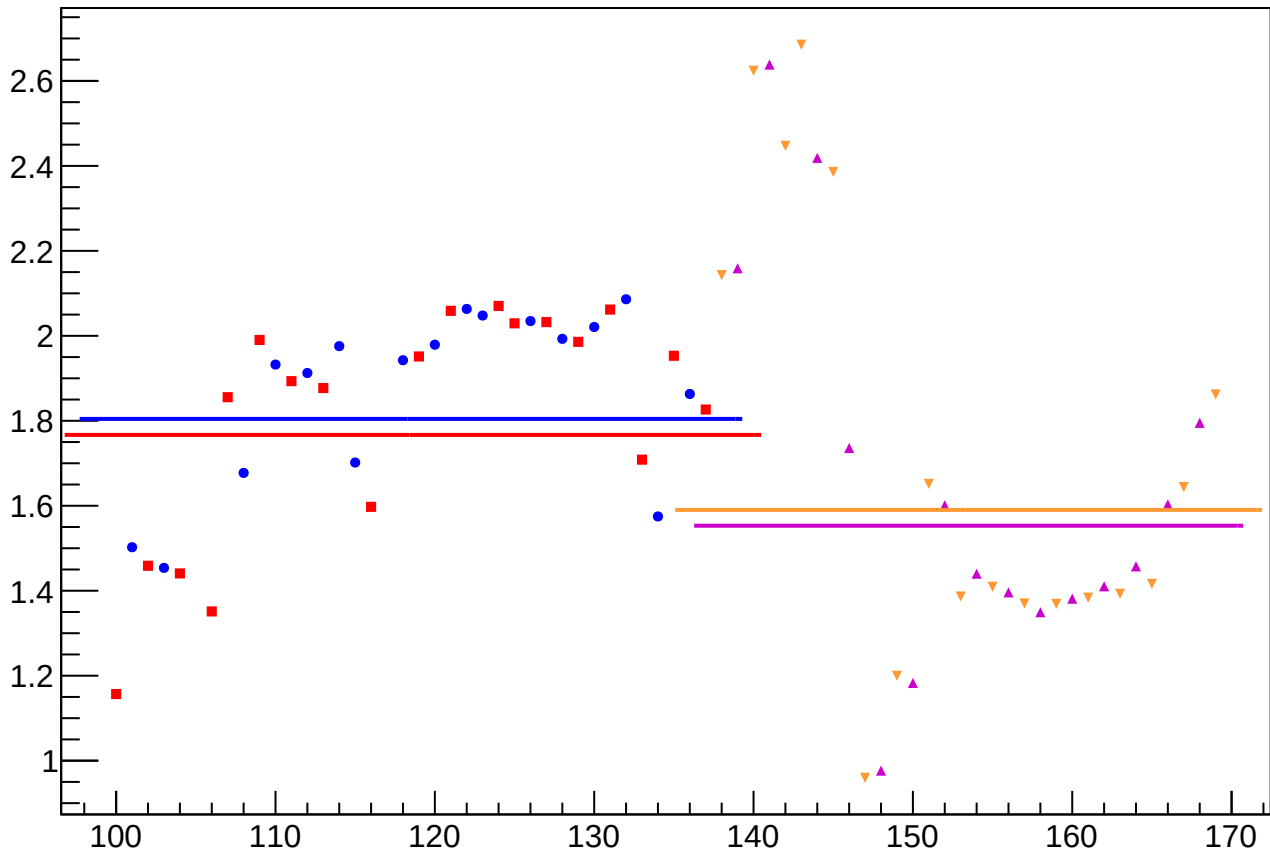
Left In: 0.089 $\pm$ 0.000 χ^2 /NDF:27553.7/14

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 64715.0/33

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 132517.3/67

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 67283.3/33

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 ± 0.000 χ^2/NDF : 1156747883.2/16

Left Out: 1.590 ± 0.000 χ^2/NDF : 24319945228.0/16

Right Out: 1.767 ± 0.000 χ^2/NDF : 1709259284.5/18

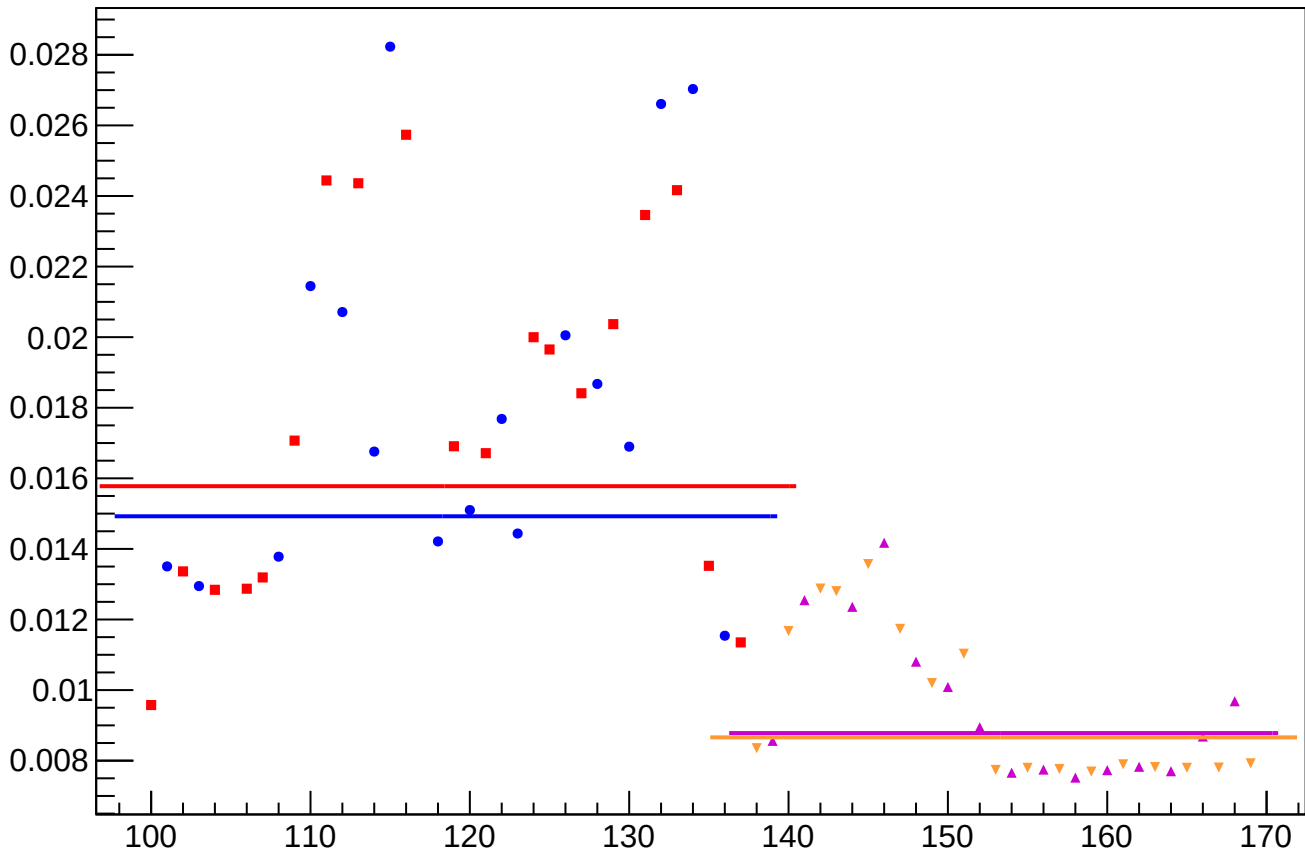
Left In: 1.553 ± 0.000 χ^2/NDF : 18413797604.2/14

+ sign 1.621 ± 0.000 χ^2/NDF : 26492748350.1/33

All: 1.604 ± 0.000 χ^2/NDF : 47669117874.3/6

- sign 1.585 ± 0.000 χ^2/NDF : 21065545802.0/33

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.009+/-0.000 χ^2/NDF : 842665.7/16

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

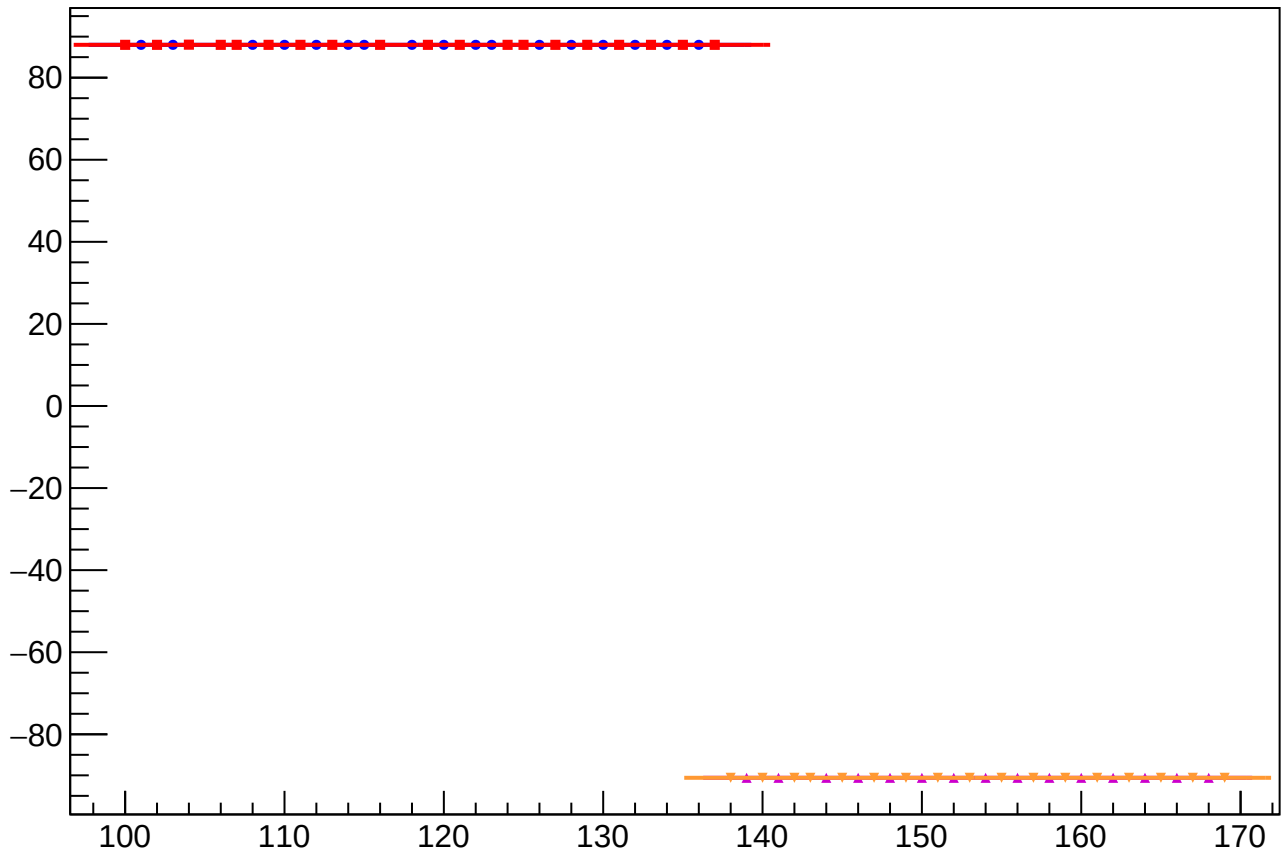
Left In: 0.009+/-0.000 χ^2/NDF : 738181.4/14

+ sign 0.010+/-0.000 χ^2/NDF : 3224968.8/33

All: 0.010+/-0.000 χ^2/NDF : 6781323.8/67

- sign 0.010+/-0.000 χ^2/NDF : 3543777.0/33

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2/NDF : 1852068.7/16

Left Out: -90.599 $\pm$ 0.000 χ^2/NDF : 5439076.0/16

Right Out: 88.004 $\pm$ 0.000 χ^2/NDF : 77545892857504626270604886016.0/18

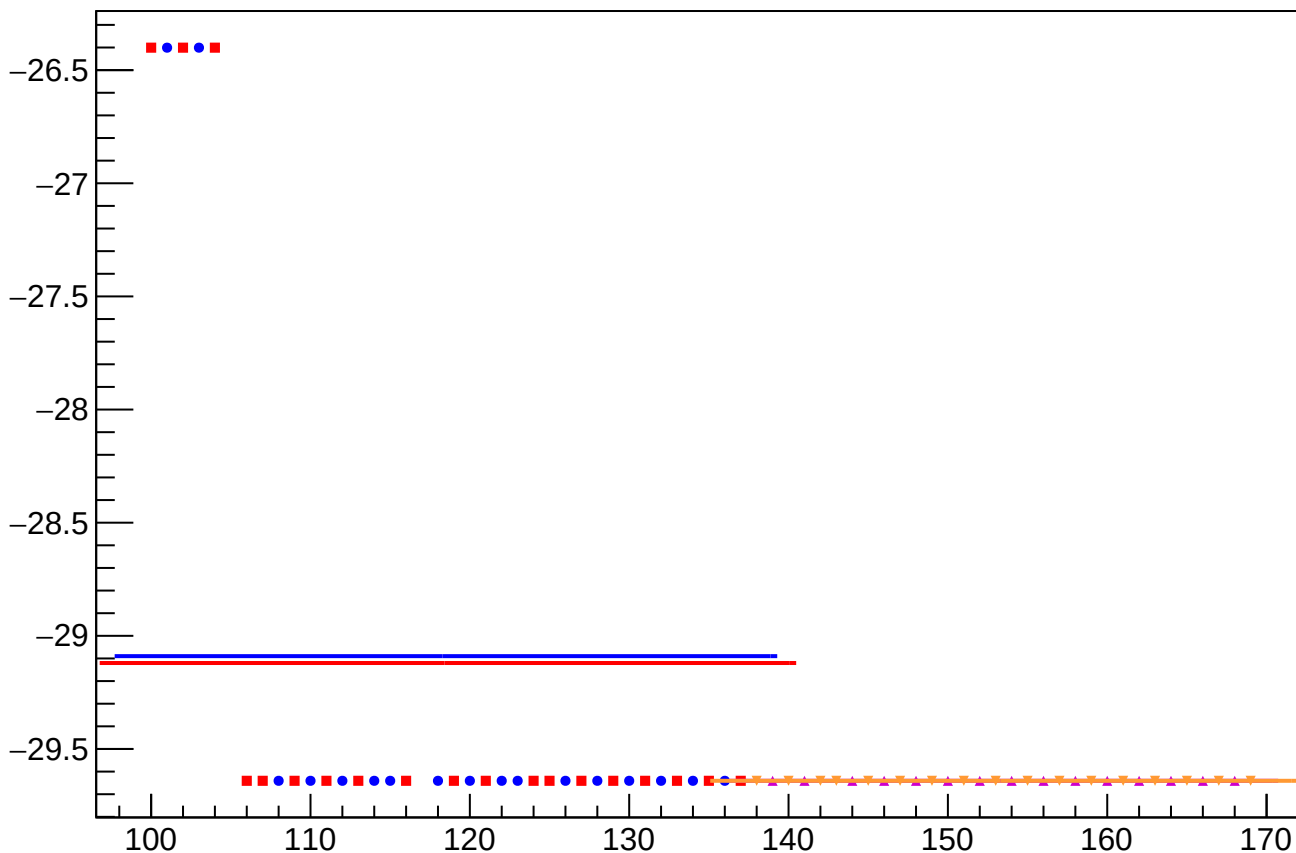
Left In: -90.599 $\pm$ 0.000 χ^2/NDF : 5300337.5/14

+ sign -28.810 $\pm$ 0.000 χ^2/NDF : 144785571898703

All: -26.297 $\pm$ 0.000 χ^2/NDF : 289063008101

- sign -23.681 $\pm$ 0.000 χ^2/NDF : 1440188492420782

epics_HWienAngles_mean vs Slug



Right In: -29.090+/-0.000 χ^2/NDF : 1028099246109521929793835198578688.0/16

Left Out: -29.641+/-0.000 χ^2/NDF : 221348.1/16

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

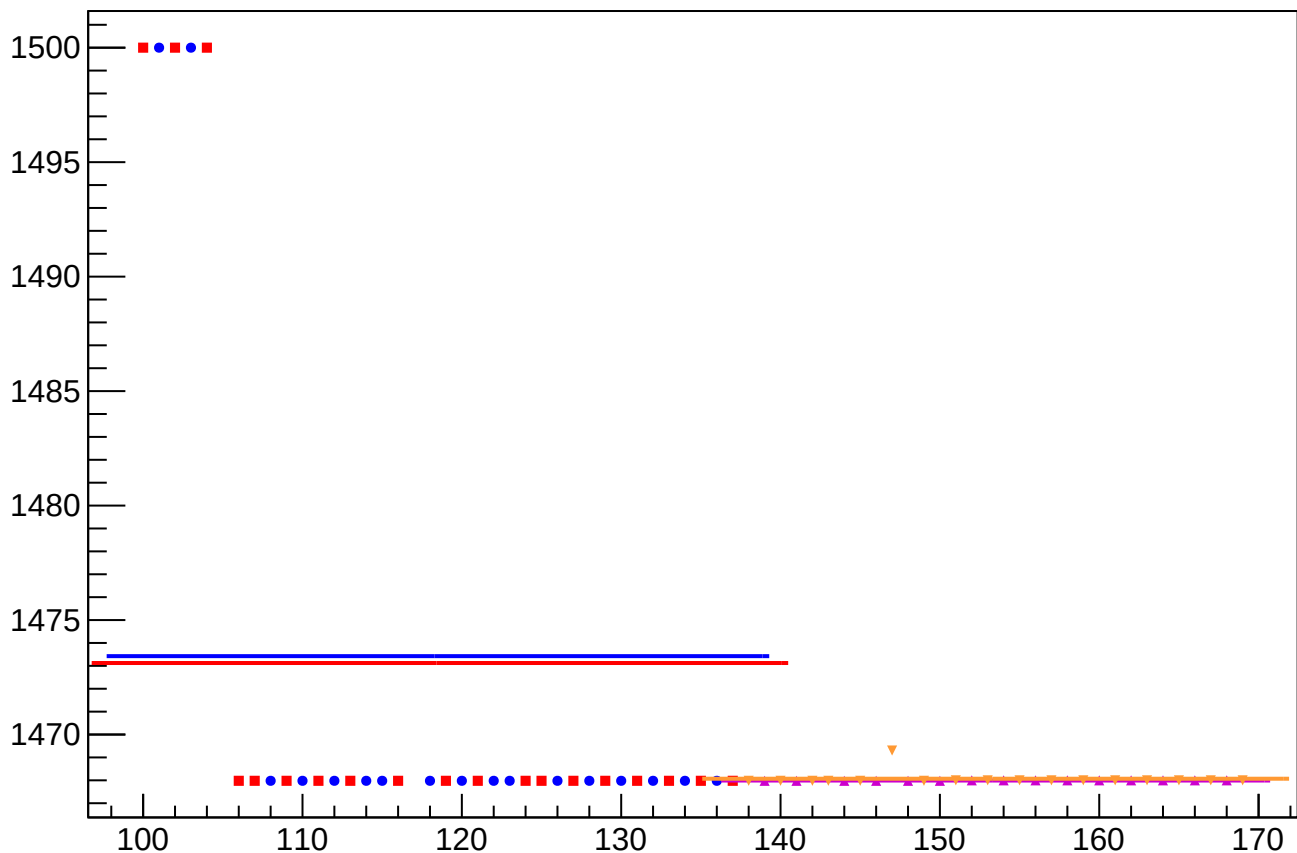
Left In: -29.641+/-0.000 χ^2/NDF : 145188.3/14

+ sign -29.450+/-0.000 χ^2/NDF : 116585110588234

All: -29.448+/-0.000 χ^2/NDF : 231028874691

- sign -29.446+/-0.000 χ^2/NDF : 1144418172080933

epics_psub_pl_poss_mean vs Slug



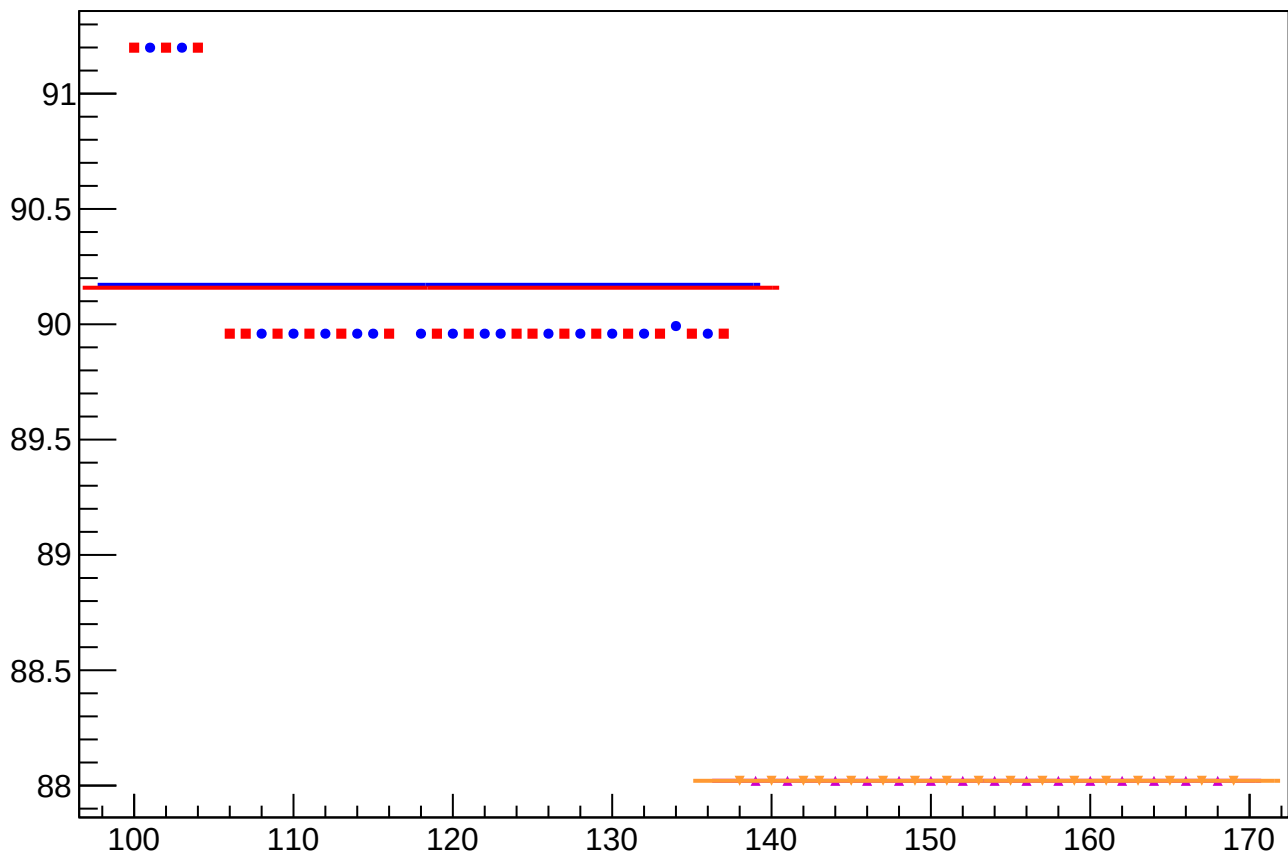
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.070+/-0.000 χ^2/NDF : 125879565145714116034648365596672.0/16 + sign 1469.922+/-0.000 χ^2/NDF : 11355755455311

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18 All: 1469.918+/-0.000 χ^2/NDF : 22528645534

Left In: 1467.991+/-0.000 χ^2/NDF : 117080165949056208561896423424.0/14 - sign 1469.914+/-0.000 χ^2/NDF : 11172883701848

epics_Phi_FGs_mean vs Slug



Right In: 90.171+/-0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 4510719.3/16

Right Out: 90.159+/-0.000 χ^2/NDF : 149705165651000025160777180643328.0/18

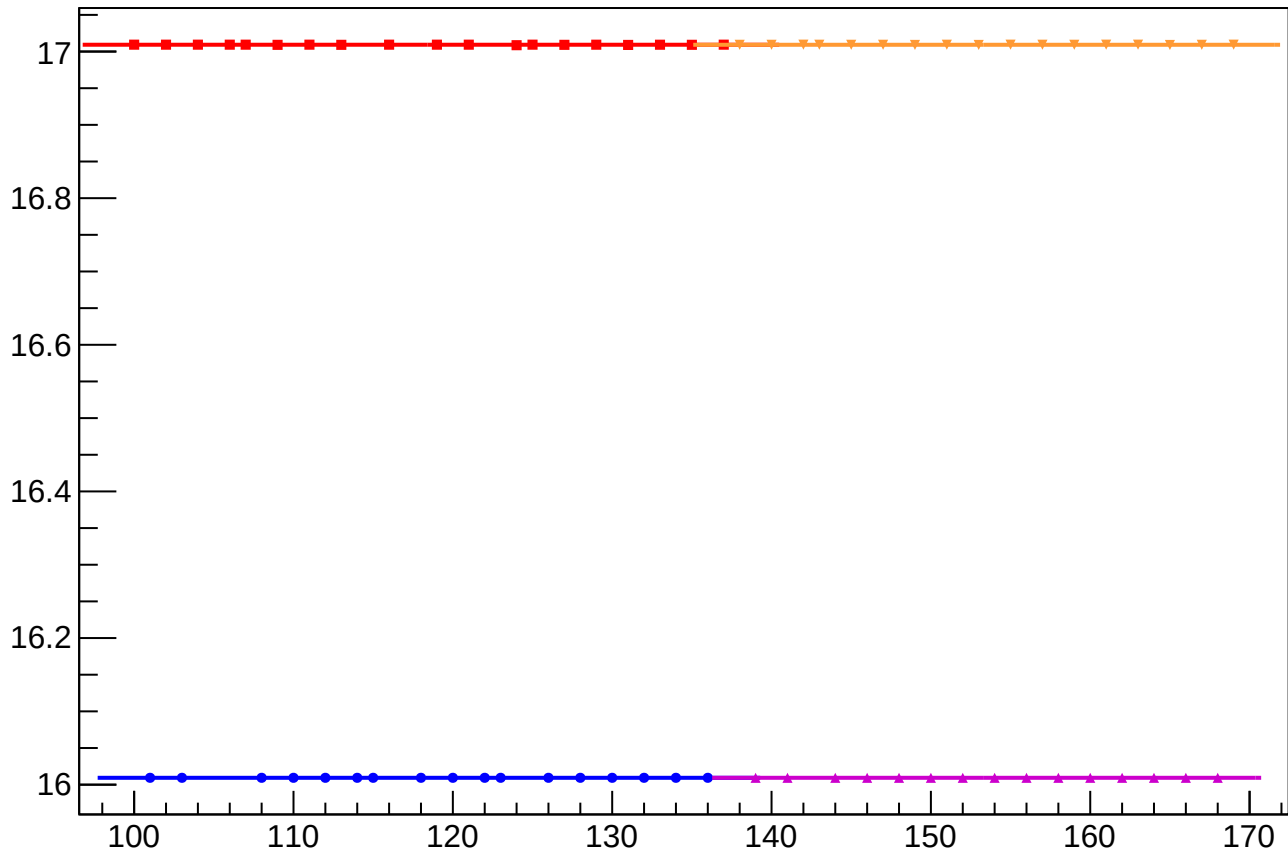
Left In: 88.021+/-0.000 χ^2/NDF : 5120603.4/14

+ sign 88.765+/-0.000 χ^2/NDF : 2249318684537113

All: 88.793+/-0.000 χ^2/NDF : 4465622441867

- sign 88.822+/-0.000 χ^2/NDF : 2213108082650060

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 : 19455043727541373398679552.0/16

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 12516014336037541461884928.0/18

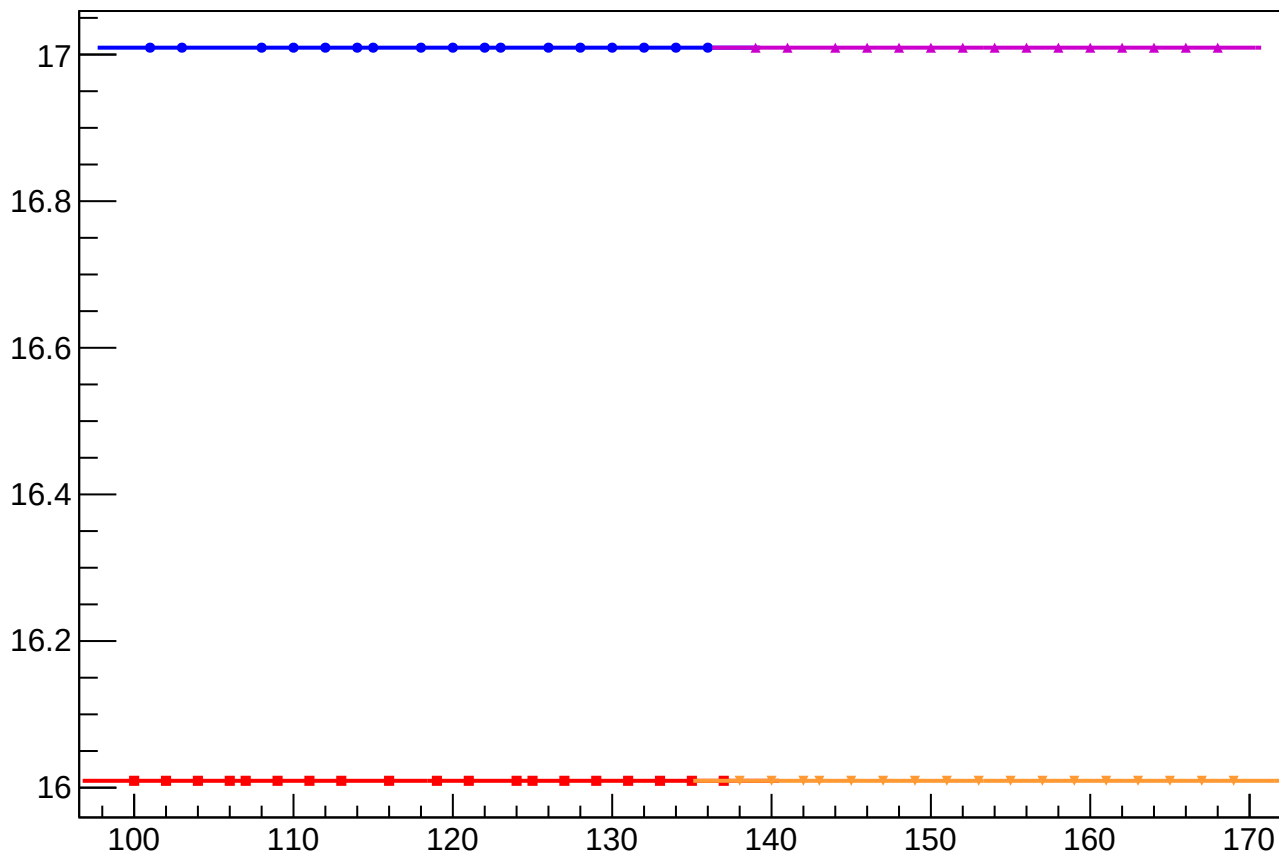
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 56368.8/14

+ sign 16.655 $\pm$ 0.000 χ^2/NDF : 4276518949521830

All: 16.520 $\pm$ 0.000 χ^2/NDF : 9105785186209

- sign 16.378 $\pm$ 0.000 χ^2/NDF : 4128224510940115

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 53857.1/16

Right Out: 16.009+/-0.000 χ^2/NDF : 39518.8/18

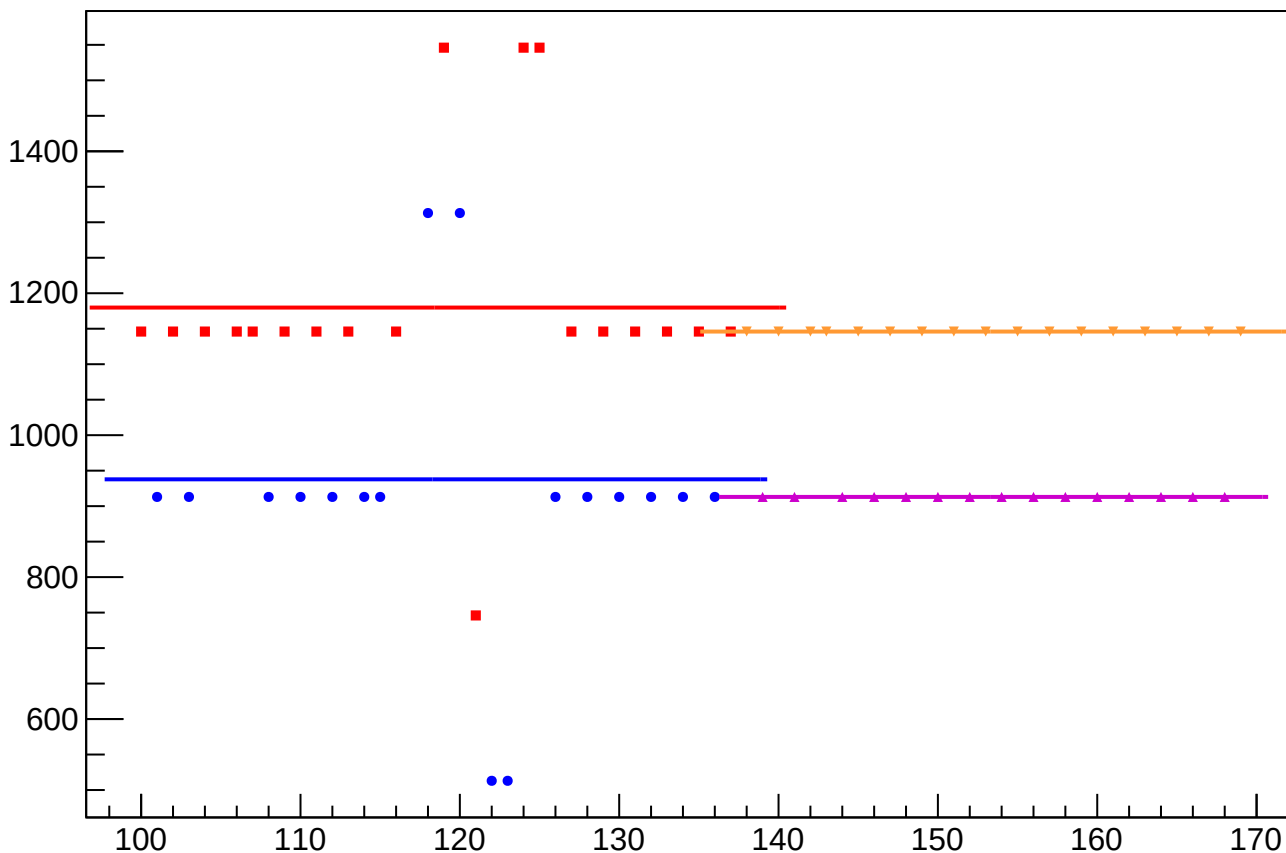
Left In: 17.009+/-0.000 χ^2/NDF : 39026.5/14

+ sign 16.346+/-0.000 χ^2/NDF : 4390885045778171

All: 16.487+/-0.000 χ^2/NDF : 9645869115364

- sign 16.633+/-0.000 χ^2/NDF : 4459342105262776

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 4448656479097216627457916928.0/16

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

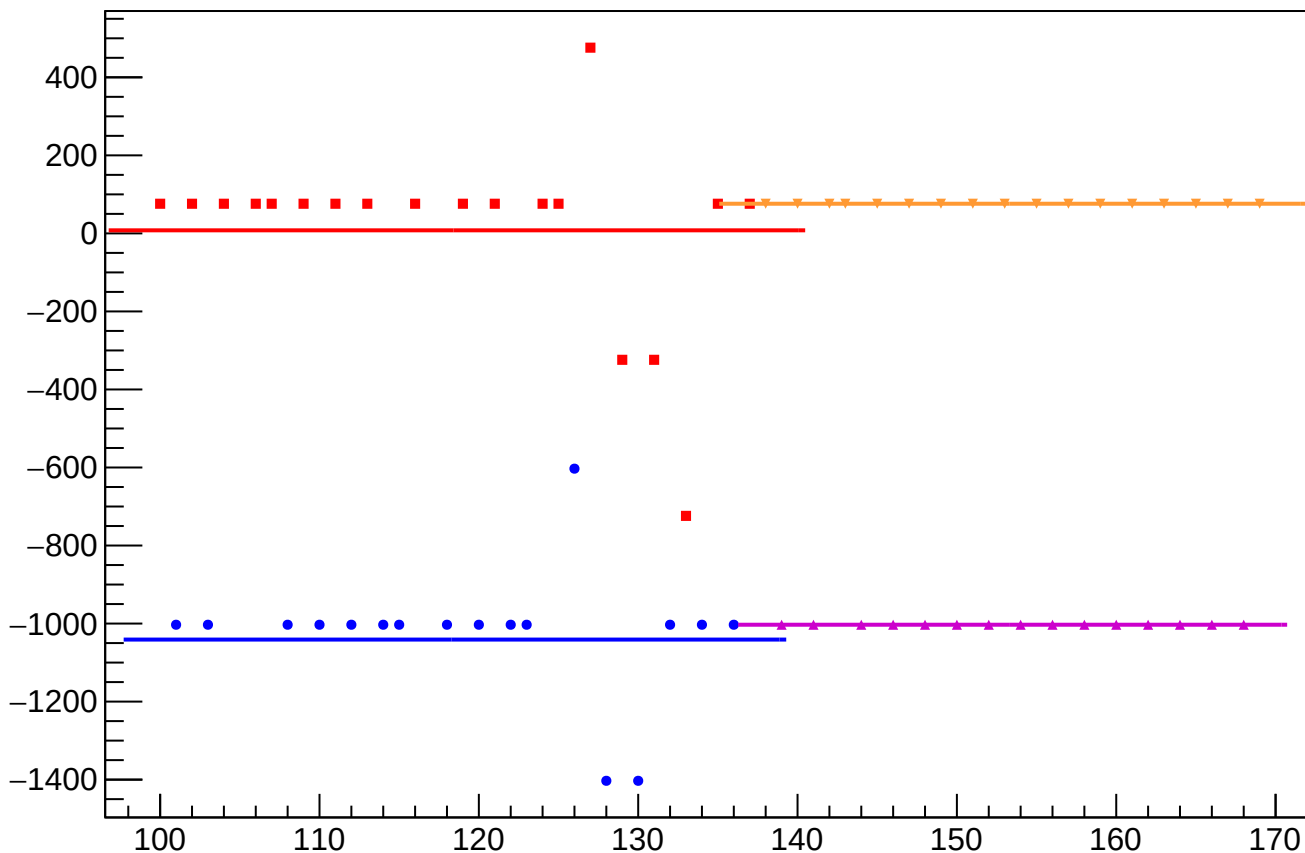
Left In: 912.995+/-0.000 χ^2/NDF : 18060796655780727045165678592.0/14

All: 1044.079+/-0.000 χ^2/NDF : 97751043119

+ sign 1073.971+/-0.000 χ^2/NDF : 40536496278075

- sign 1012.962+/-0.000 χ^2/NDF : 53556288030830

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 : 10360687941574707124908326912.0/16 + sign -310.443+/-0.000 χ^2/NDF : 58904563418971

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18 All: -464.193+/-0.000 χ^2/NDF : 11910161737

Left In: -1002.990+/-0.000 χ^2/NDF : 1855016956080798829012582400.0/14 - sign -624.247+/-0.000 χ^2/NDF : 50518577205209