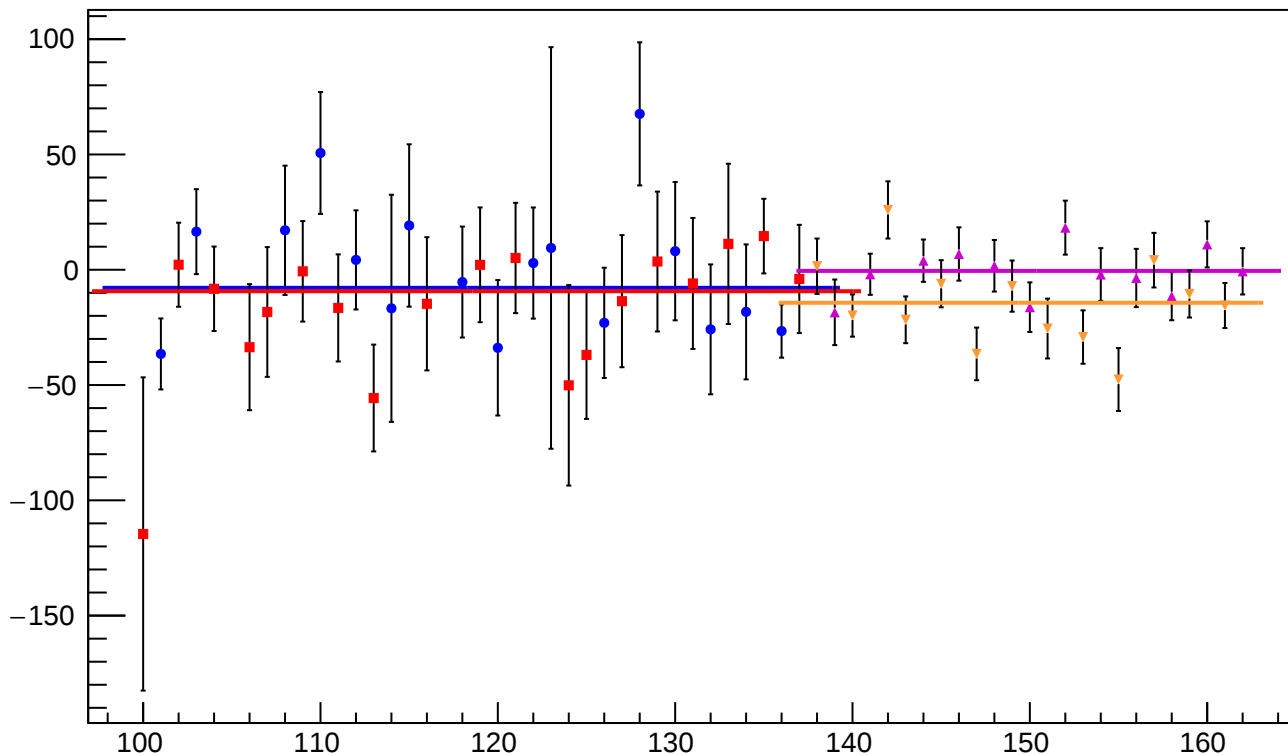


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -14.313 ± 3.067

χ^2/NDF : 28.9/12

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: -0.495 ± 3.104

χ^2/NDF : 9.5/11

+ sign -12.823 ± 2.691

χ^2/NDF : 52.6/29

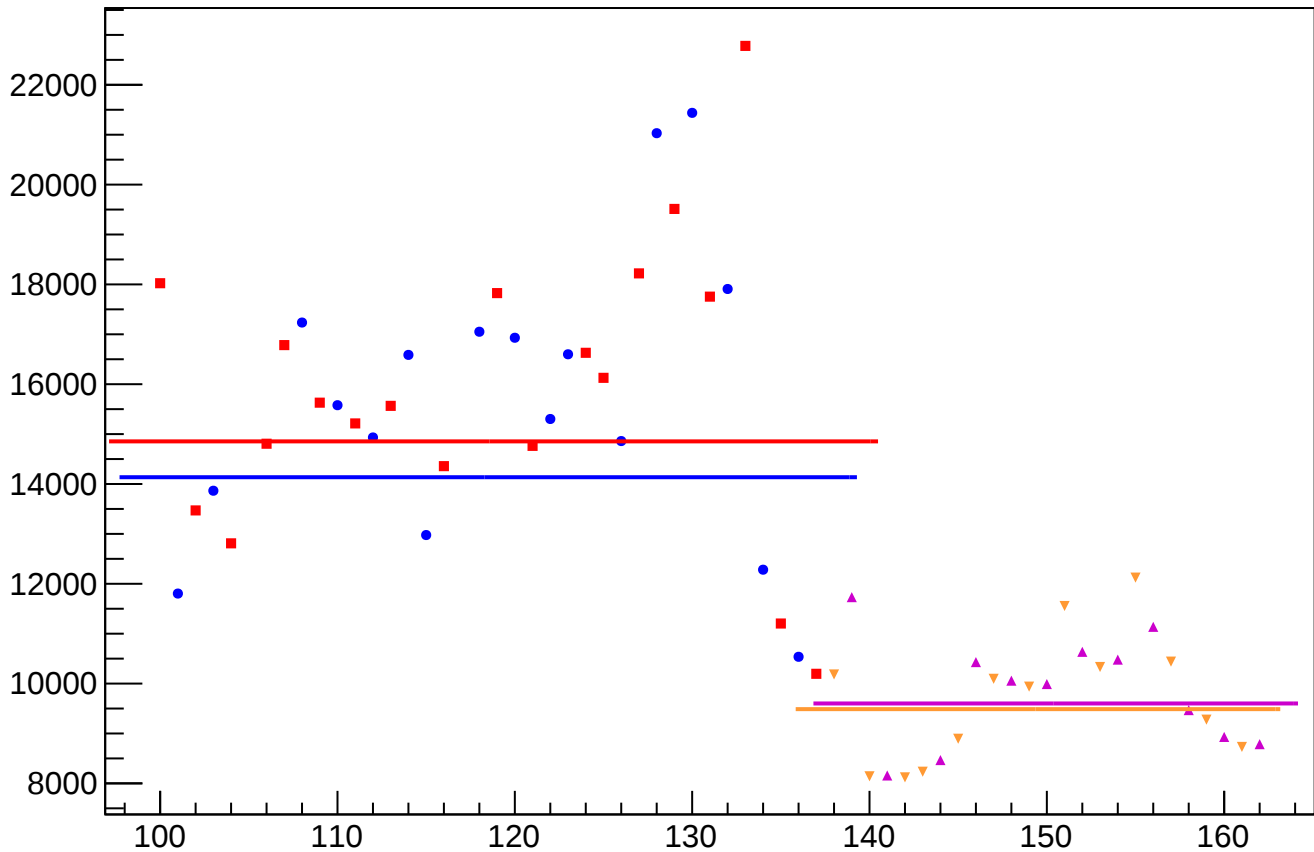
All: -7.735 ± 1.914

χ^2/NDF : 84.4/60

- sign -2.524 ± 2.723

χ^2/NDF : 24.6/30

diff_bpm4aX_rms vs Slug



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

Left Out: 9487.834+/-2.169 χ^2/NDF : 282115.9/12

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

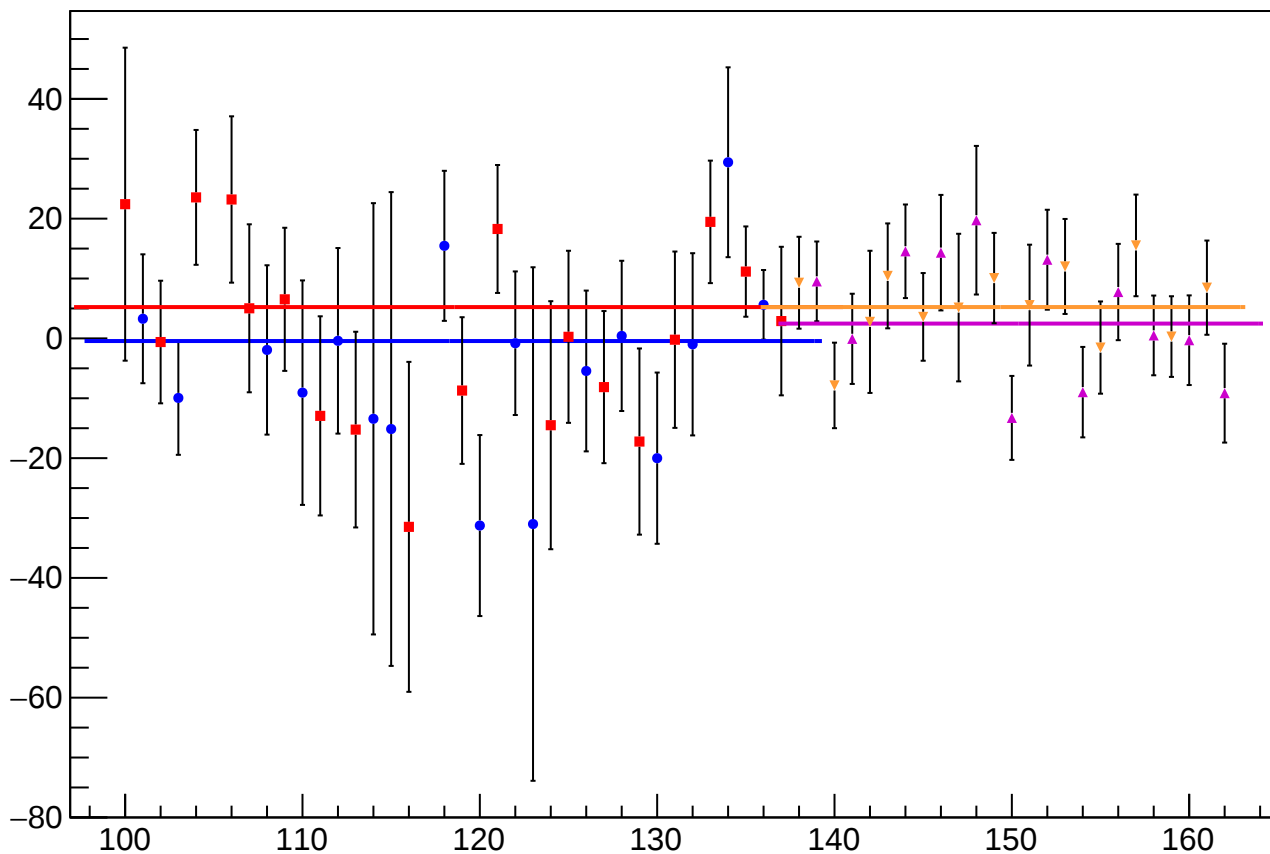
Left In: 9601.500+/-2.195 χ^2/NDF : 223555.1/11

+ sign 10557.883+/-1.903 χ^2/NDF : 1936740.6/29

All: 10682.535+/-1.354 χ^2/NDF : 3959016.6/6

- sign 10810.213+/-1.926 χ^2/NDF : 2013588.5/30

diff_bpm4aY_mean vs Slug



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

Left Out: 5.233 ± 2.270 χ^2/NDF : 8.2/12

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

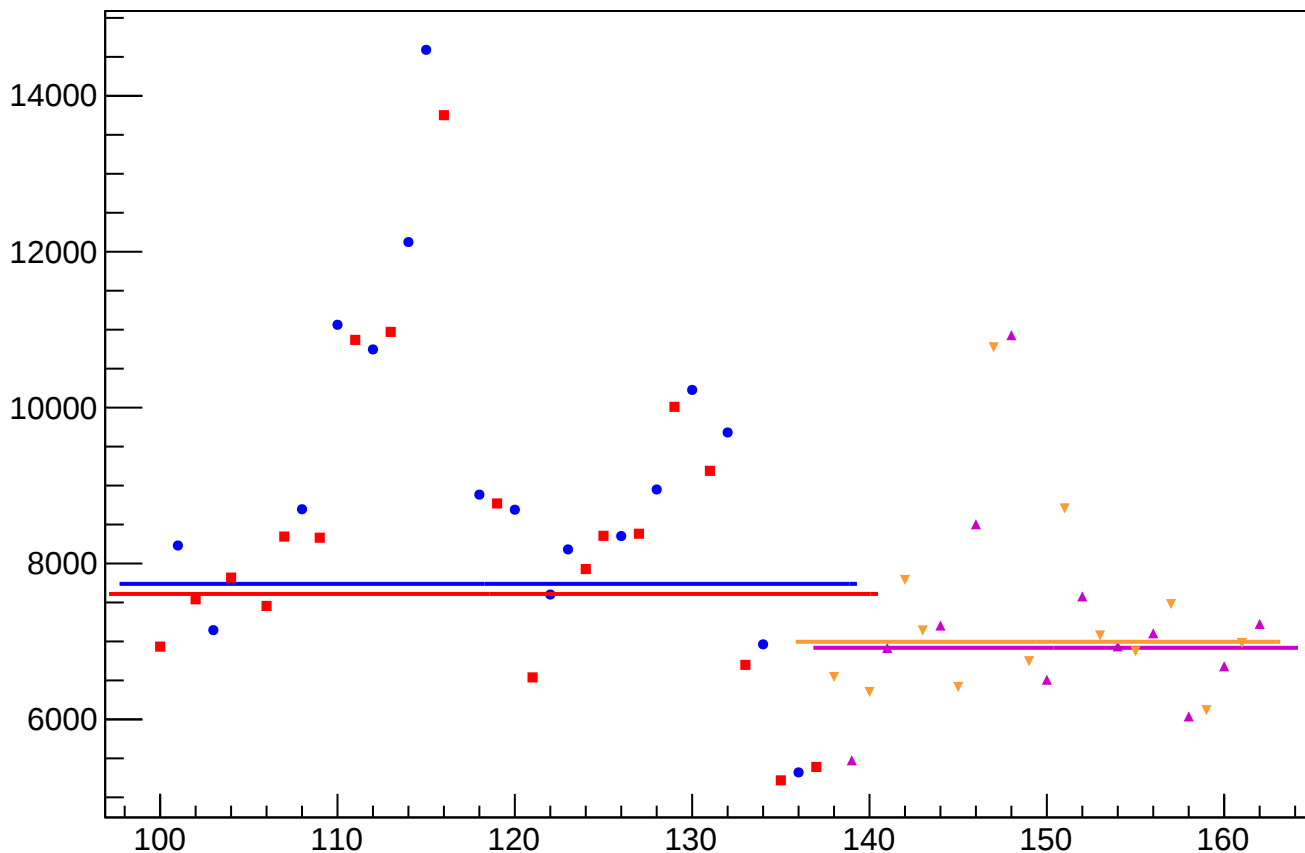
Left In: 2.473 ± 2.256 χ^2/NDF : 18.7/11

+ sign 3.229 ± 1.825 χ^2/NDF : 24.9/29

All: 3.365 ± 1.278 χ^2/NDF : 63.5/60

- sign 3.496 ± 1.789 χ^2/NDF : 38.6/30

diff_bpm4aY_rms vs Slug



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

Left Out: 6996.010+/-1.605 χ^2/NDF : 334075.1/12

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

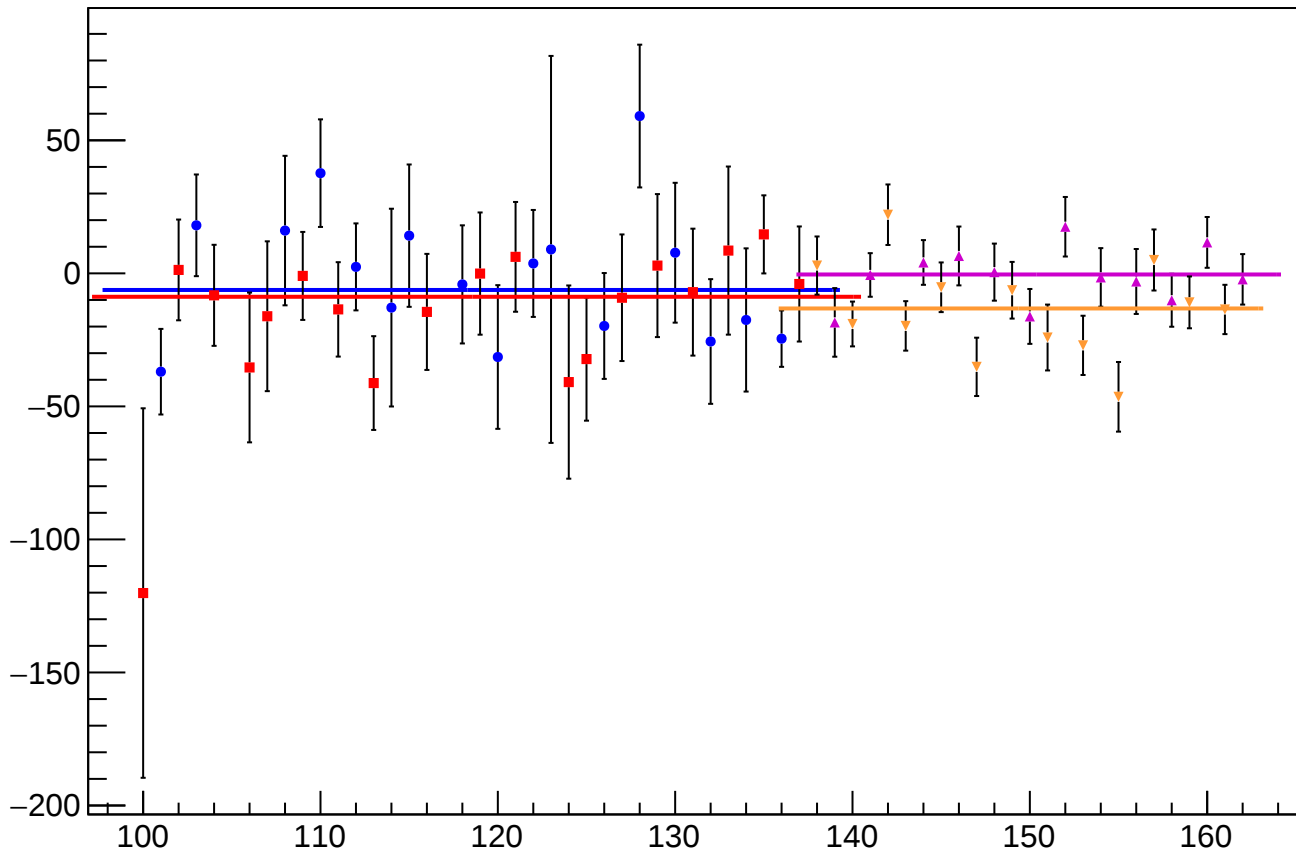
Left In: 6918.240+/-1.595 χ^2/NDF : 419646.6/11

+ sign 7258.409+/-1.291 χ^2/NDF : 1150603.4/29

All: 7215.783+/-0.903 χ^2/NDF : 2321297.1/60

- sign 7174.846+/-1.265 χ^2/NDF : 1168555.2/30

diff_bpm4eX_mean vs Slug



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

Left Out: -13.197 ± 2.879 χ^2/NDF : 29.2/12

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

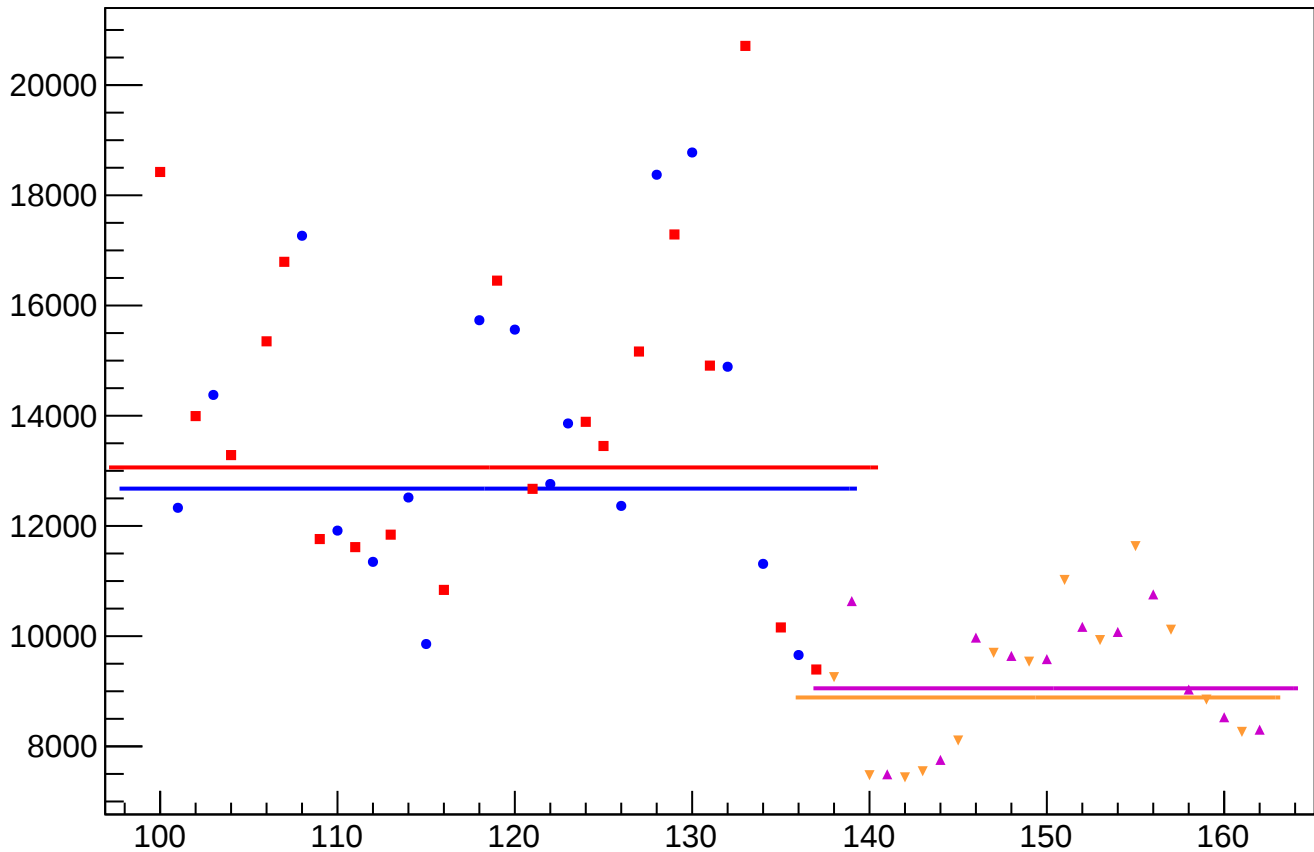
Left In: -0.422 ± 2.930 χ^2/NDF : 10.2/11

+ sign -11.474 ± 2.497 χ^2/NDF : 53.9/29

All: -7.074 ± 1.777 χ^2/NDF : 85.6/60

- sign -2.565 ± 2.528 χ^2/NDF : 25.4/30

diff_bpm4eX_rms vs Slug



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

Left Out: 8887.499+/-2.036 χ^2/NDF : 361754.7/12

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

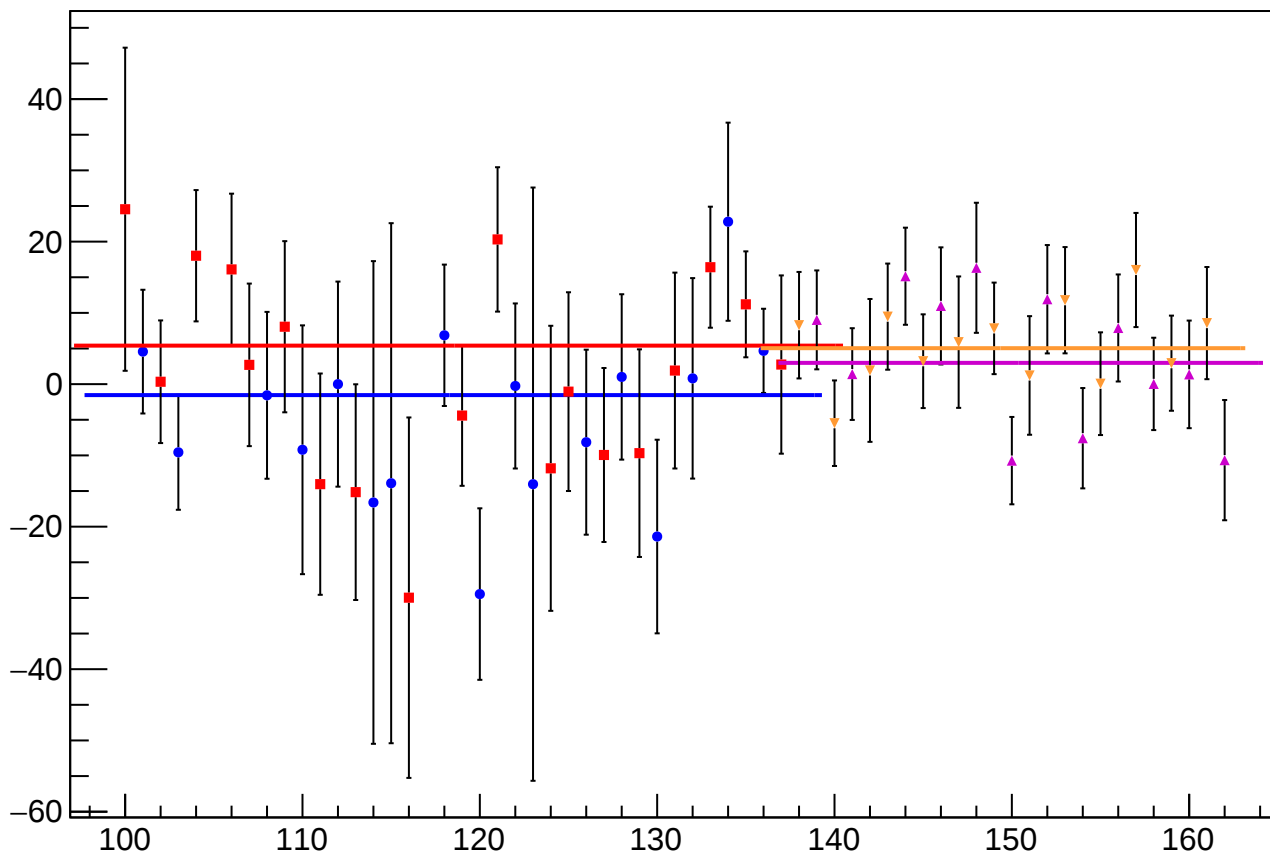
Left In: 9053.779+/-2.072 χ^2/NDF : 270283.7/11

+ sign 9826.471+/-1.766 χ^2/NDF : 1773833.0/29

All: 9951.009+/-1.256 χ^2/NDF : 3508442.4/60

- sign 10078.617+/-1.788 χ^2/NDF : 1724539.5/30

diff_bpm4eY_mean vs Slug



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

Left Out: 5.046 ± 2.047 χ^2/NDF : 7.7/12

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

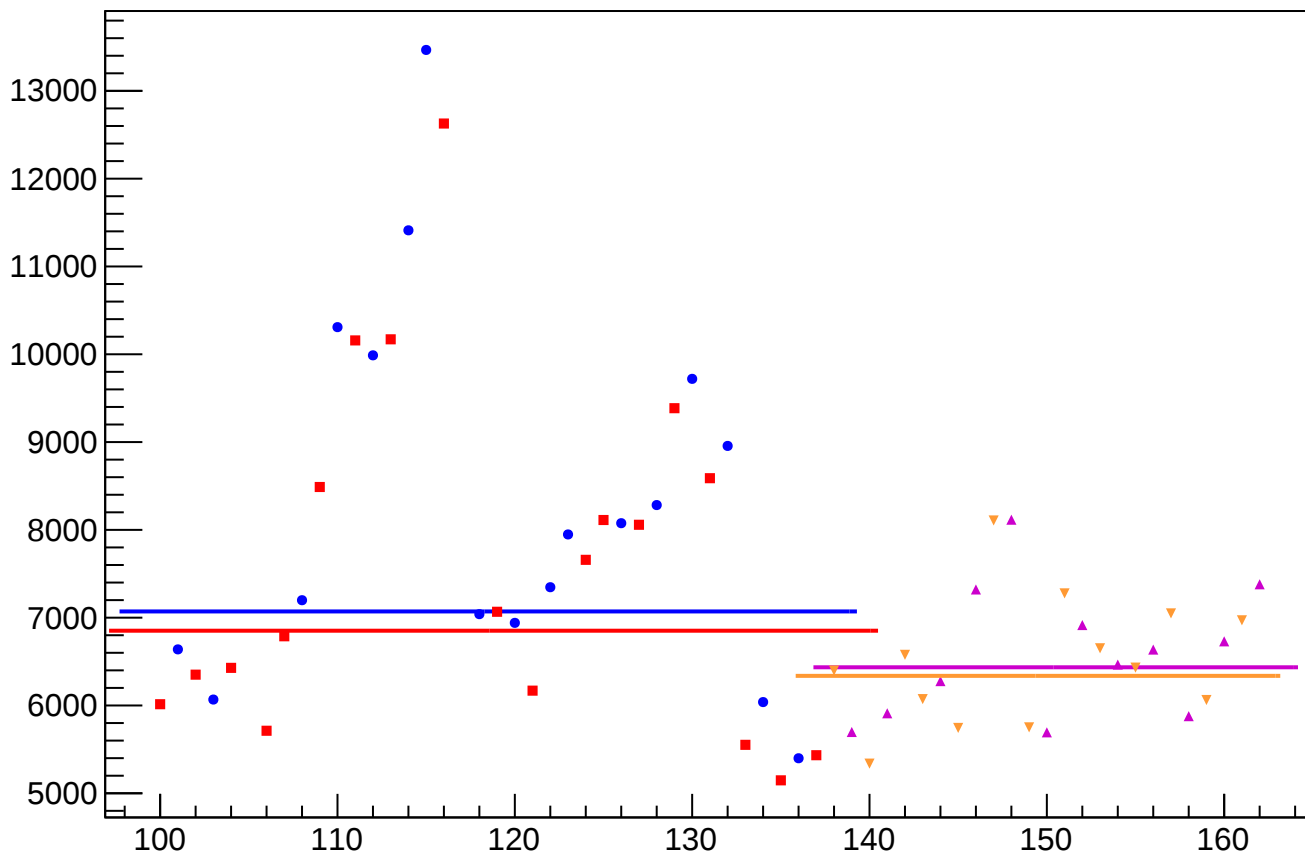
Left In: 2.986 ± 2.083 χ^2/NDF : 19.0/11

+ sign 2.742 ± 1.651 χ^2/NDF : 26.1/29

All: 3.334 ± 1.162 χ^2/NDF : 64.5/60

- sign 3.914 ± 1.635 χ^2/NDF : 38.1/30

diff_bpm4eY_rms vs Slug



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

Left Out: 6337.359+/-1.448 χ^2/NDF : 227347.2/12

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

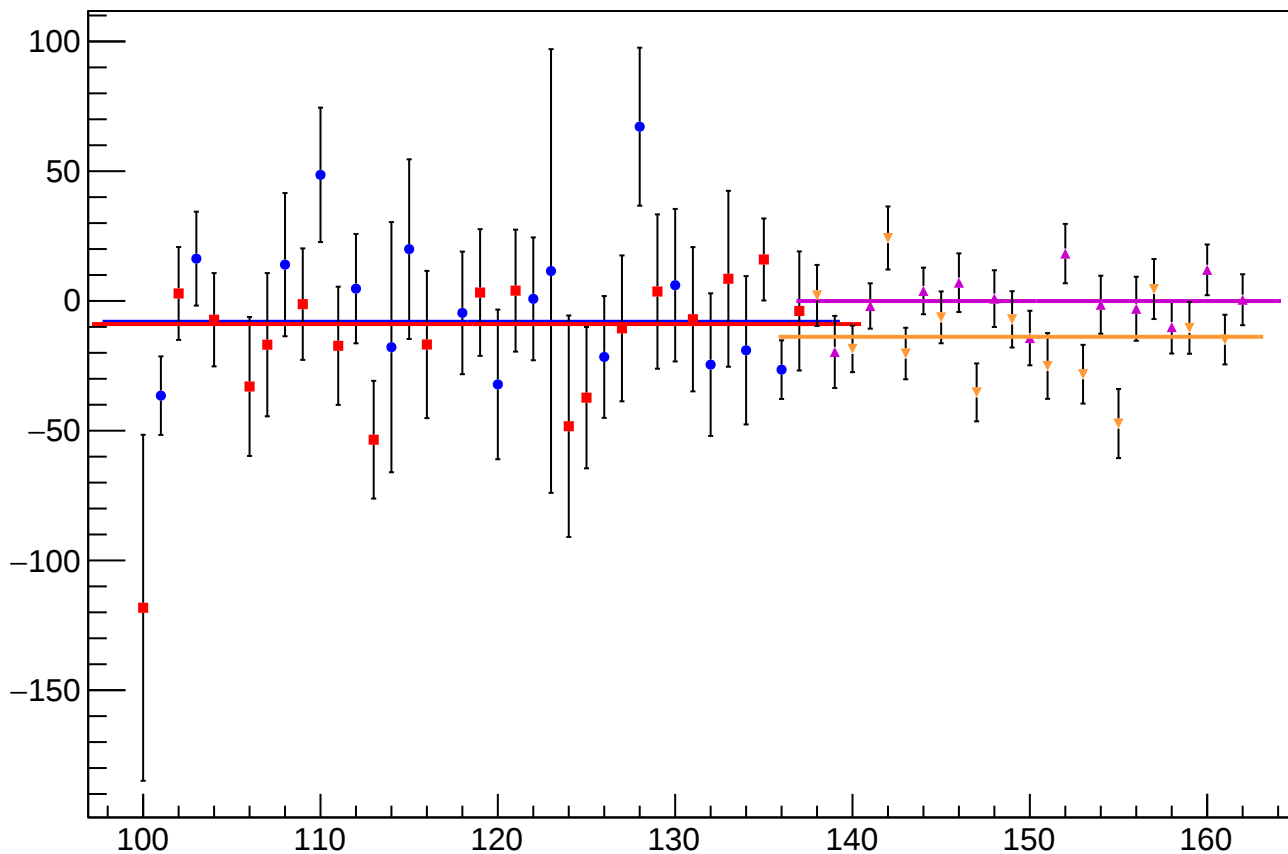
Left In: 6434.937+/-1.473 χ^2/NDF : 209616.4/11

+ sign 6594.089+/-1.167 χ^2/NDF : 917981.0/29

All: 6594.465+/-0.821 χ^2/NDF : 1842706.2/60

- sign 6594.835+/-1.156 χ^2/NDF : 924725.0/30

diff_bpm4acX_mean vs Slug



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

Left Out: -13.822 ± 2.998 χ^2/NDF : 28.4/12

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

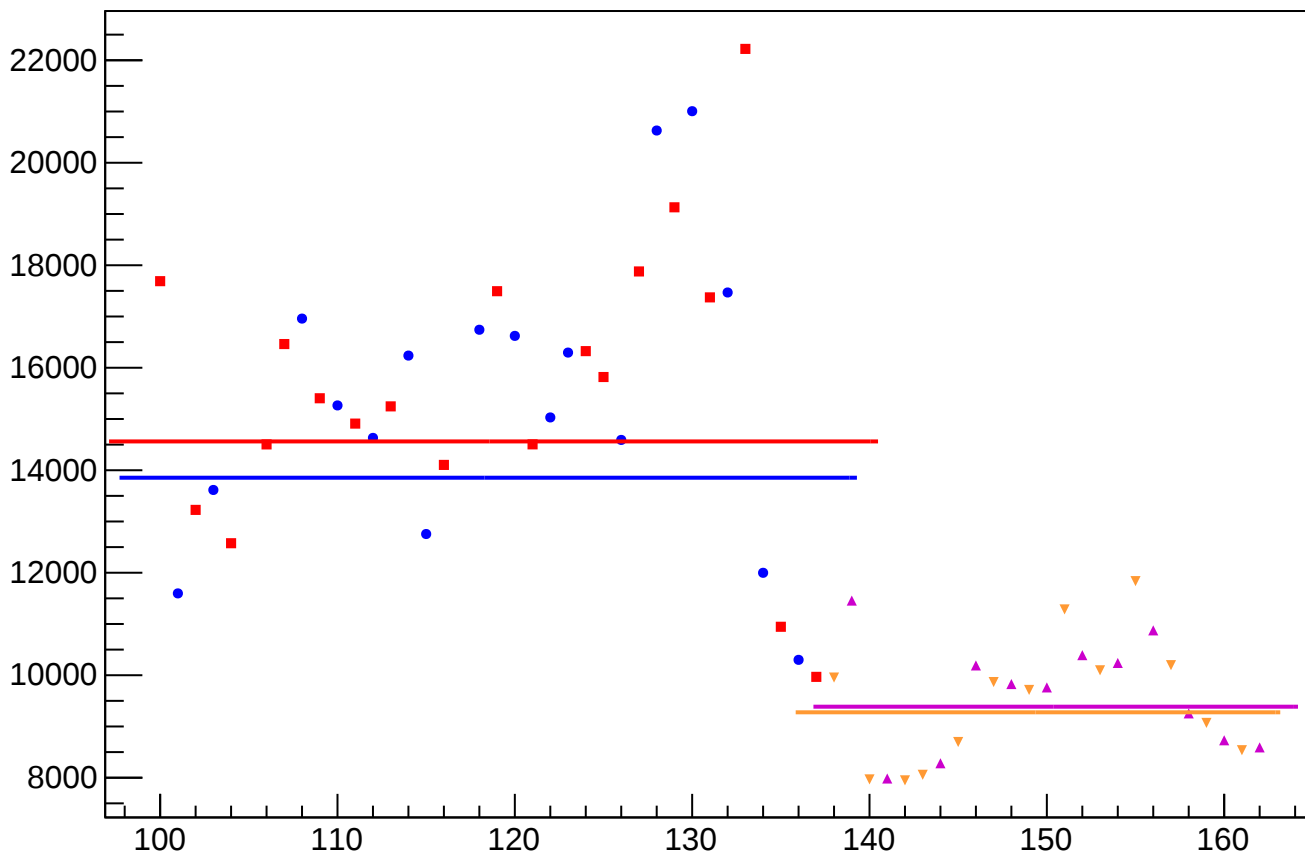
Left In: -0.047 ± 3.034 χ^2/NDF : 9.6/11

+ sign -12.496 ± 2.632 χ^2/NDF : 51.8/29

All: -7.348 ± 1.872 χ^2/NDF : 84.7/60

- sign -2.076 ± 2.664 χ^2/NDF : 25.2/30

diff_bpm4acX_rms vs Slug



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

Left Out: 9276.485+/-2.120 χ^2/NDF :278883.1/12

+ sign 10326.005+/-1.861 χ^2/NDF : 1948693.8/29

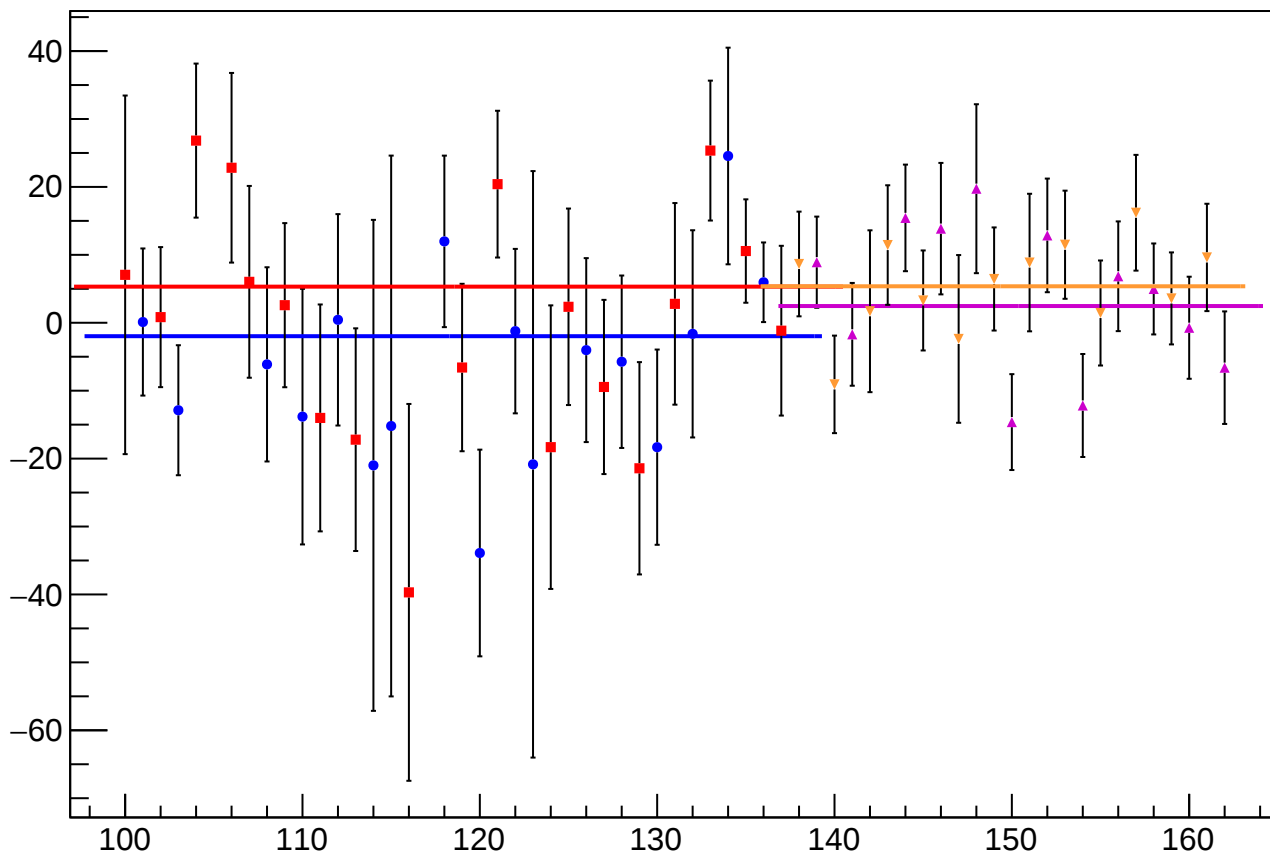
Right Out: 14562.308+/-3.936 χ^2/NDF : 474279.5/18

All: 10447.391+/-1.324 χ^2/NDF : 3985859.7/6

- sign 10571.715+/-1.884 χ^2/NDF : 2028556.6/30

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

diff_bpm4acY_mean vs Slug



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

Left Out: 5.371 ± 2.280 χ^2/NDF : 8.2/12

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

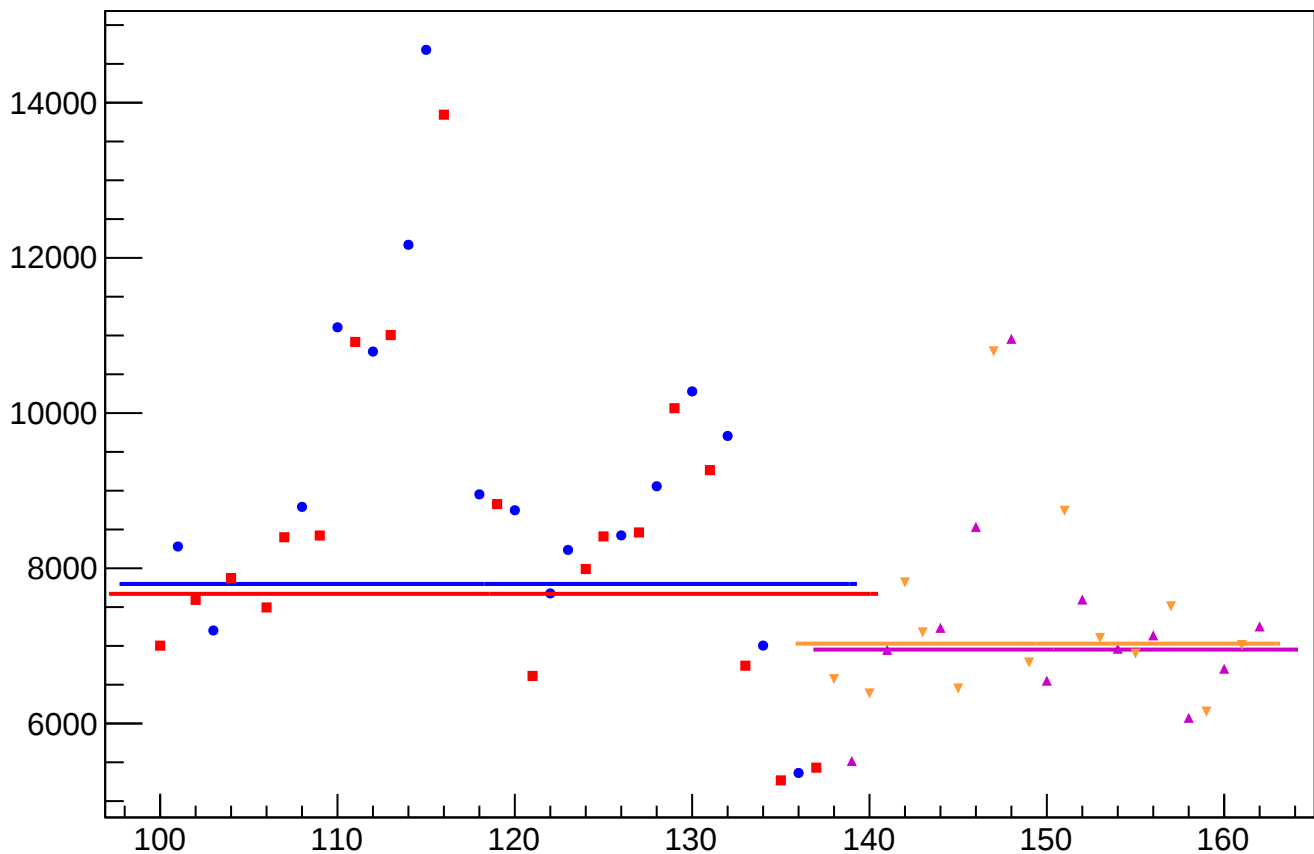
Left In: 2.462 ± 2.266 χ^2/NDF : 20.2/11

+ sign 2.785 ± 1.835 χ^2/NDF : 25.9/29

All: 3.159 ± 1.285 χ^2/NDF : 71.1/60

- sign 3.518 ± 1.799 χ^2/NDF : 45.1/30

diff_bpm4acY_rms vs Slug



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

Left Out: 7029.272+/-1.612 χ^2/NDF :330477.1/12

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

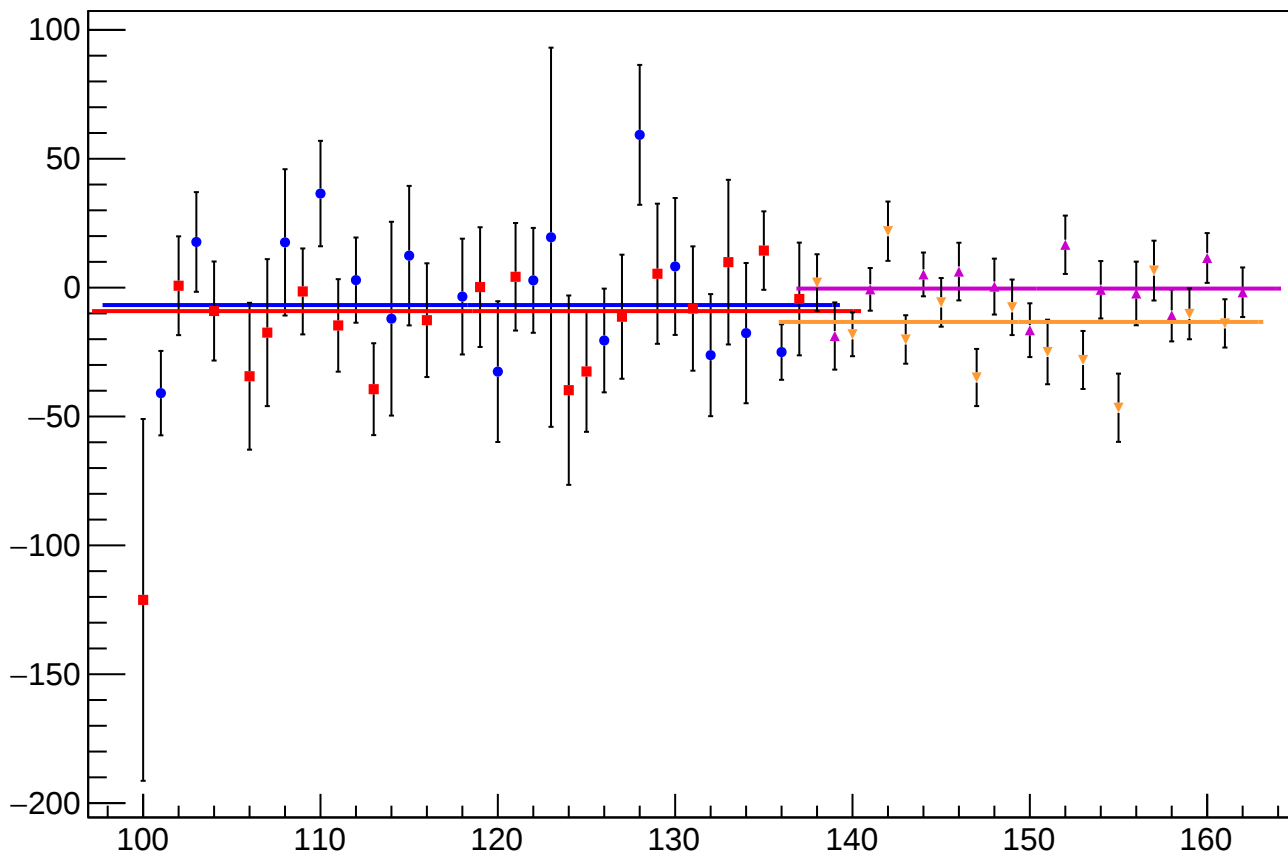
Left In: 6952.312+/-1.602 χ^2/NDF :413441.1/11

+ sign 7299.879+/-1.298 χ^2/NDF : 1146835.0/29

All: 7258.079+/-0.908 χ^2/NDF : 2309295.3/60

- sign 7217.917+/-1.272 χ^2/NDF : 1160426.2/30

diff_bpm4ecX_mean vs Slug



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

Left Out: -13.312 ± 2.911 χ^2/NDF : 28.8/12

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

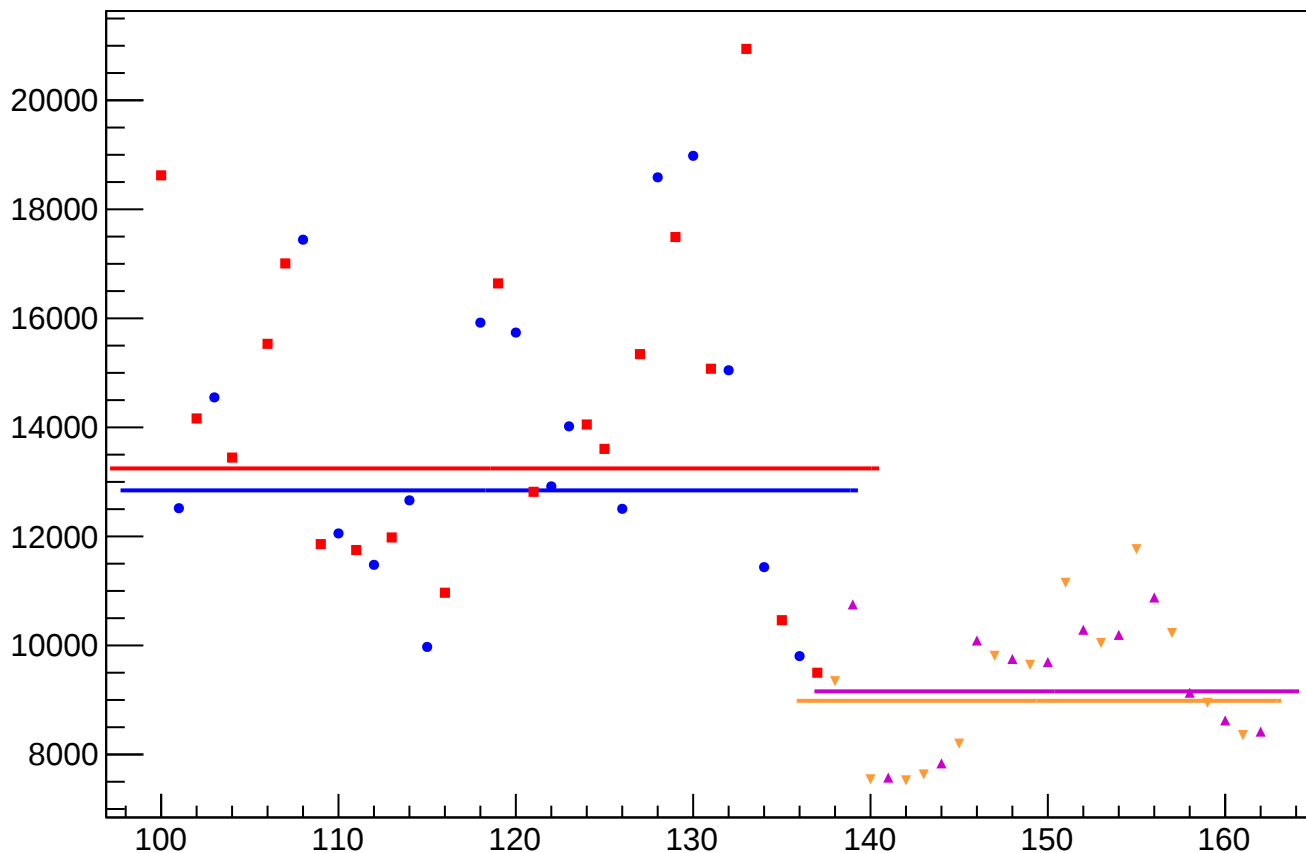
Left In: -0.367 ± 2.964 χ^2/NDF : 10.0/11

+ sign -11.694 ± 2.526 χ^2/NDF : 53.7/29

All: -7.201 ± 1.798 χ^2/NDF : 84.6/60

- sign -2.591 ± 2.559 χ^2/NDF : 24.5/30

diff_bpm4ecX_rms vs Slug



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

Left Out: 8984.788+/-2.058 χ^2/NDF : 363316.2/12

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

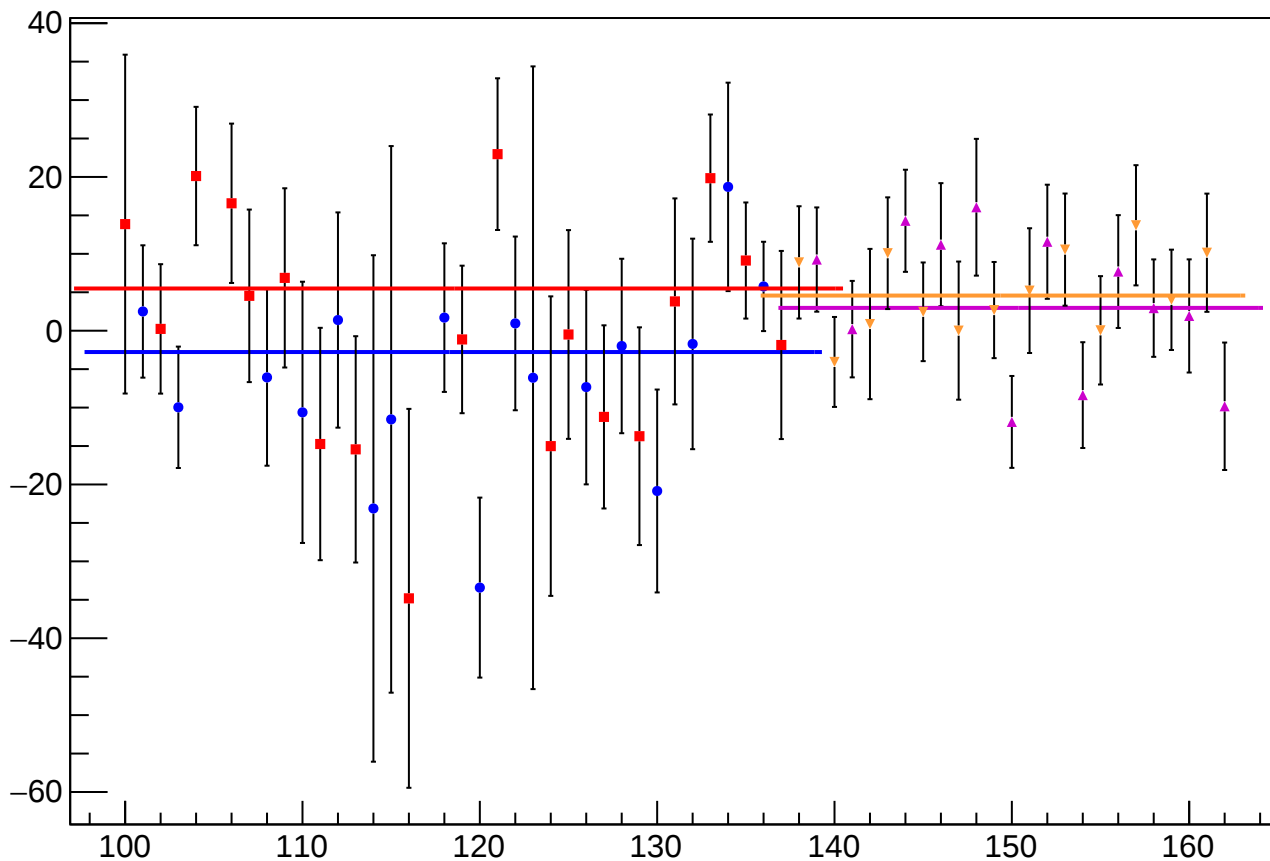
Left In: 9158.209+/-2.096 χ^2/NDF : 270494.8/11

+ sign 9937.528+/-1.786 χ^2/NDF : 1778445.2/29

All: 10066.920+/-1.271 χ^2/NDF : 3514466.3/6

- sign 10199.677+/-1.809 χ^2/NDF : 1725391.4/30

diff_bpm4ecY_mean vs Slug



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

Left Out: 4.572 ± 1.998 χ^2/NDF : 6.7/12

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

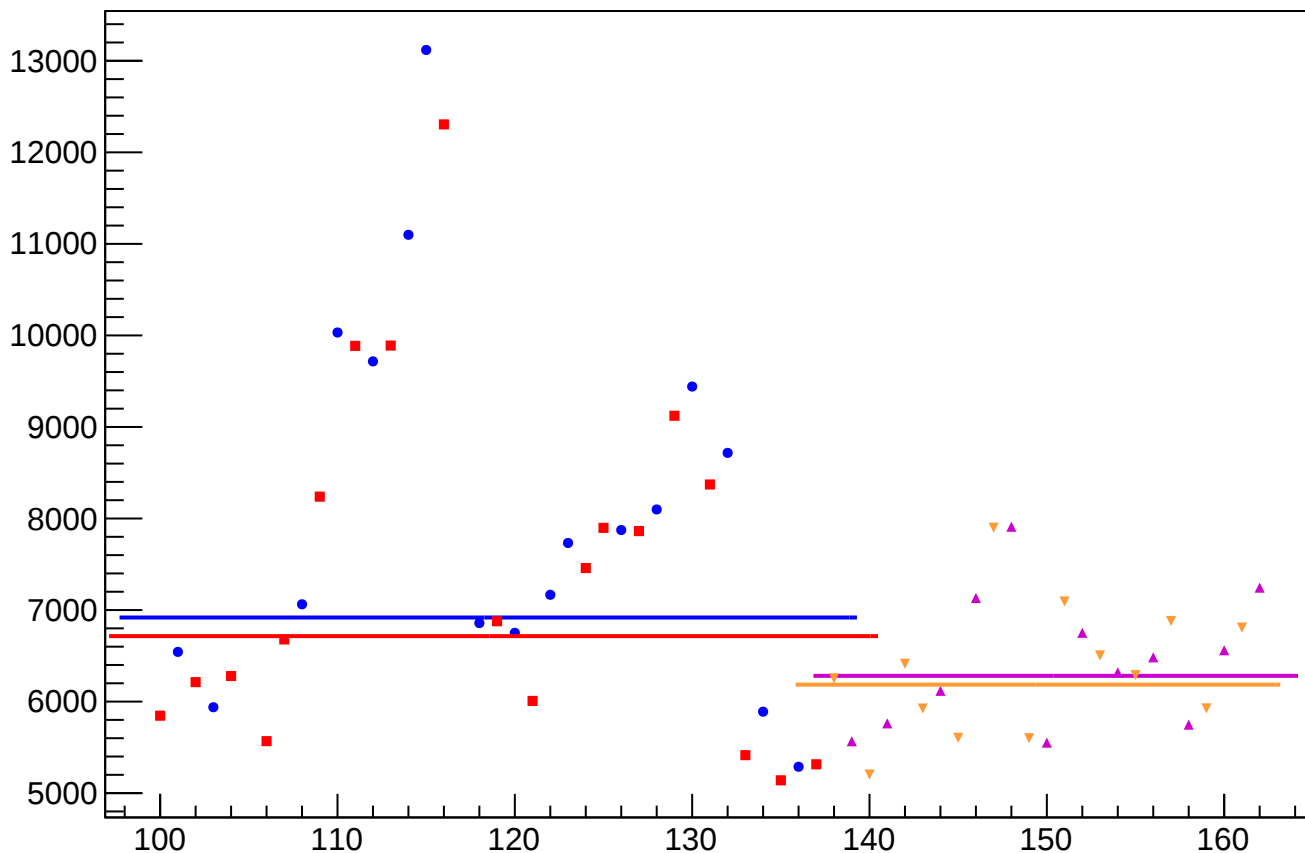
Left In: 2.968 ± 2.034 χ^2/NDF : 20.2/11

+ sign 2.012 ± 1.613 χ^2/NDF : 27.3/29

All: 2.980 ± 1.135 χ^2/NDF : 72.0/60

- sign 3.931 ± 1.599 χ^2/NDF : 44.0/30

diff_bpm4ecY_rms vs Slug



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

Left Out: 6184.864+/-1.413 χ^2/NDF : 228337.5/12

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

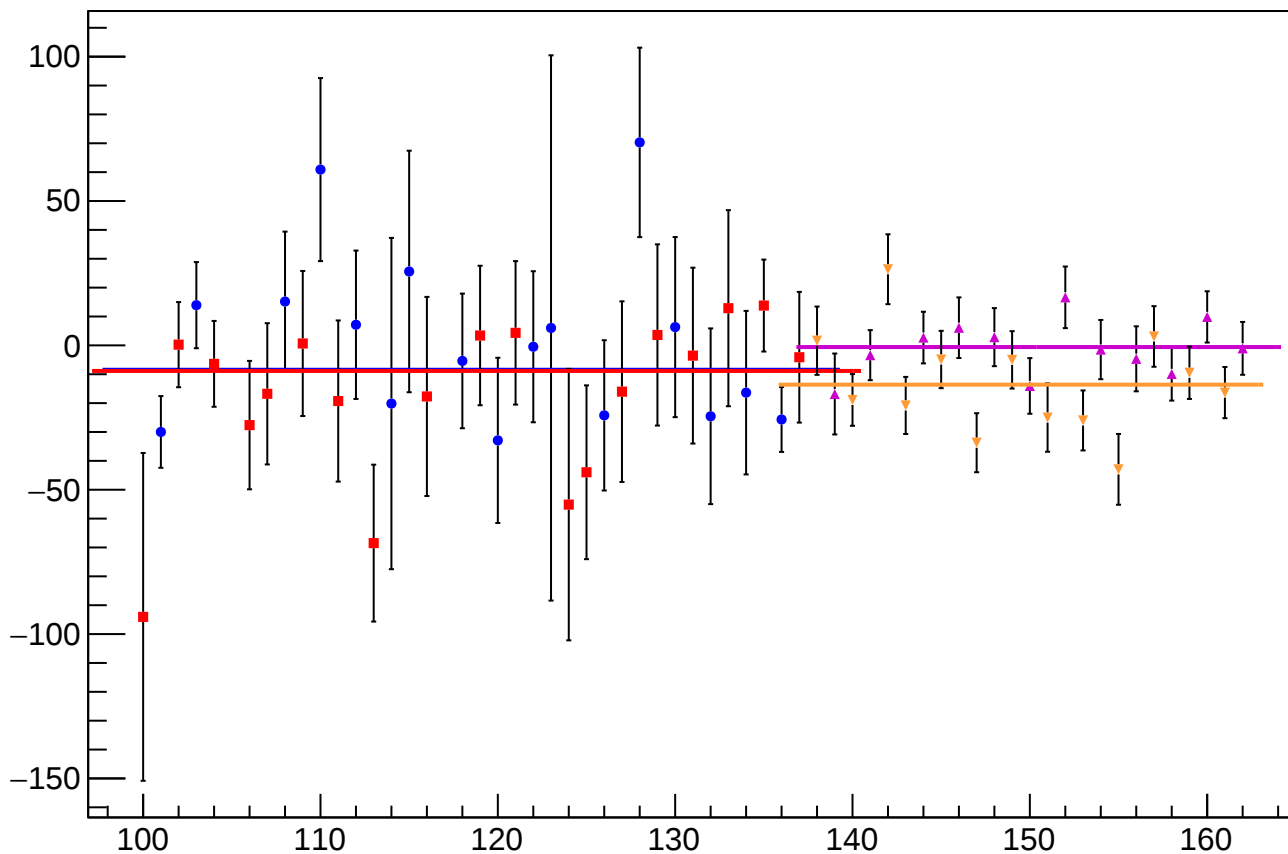
Left In: 6281.499+/-1.438 χ^2/NDF : 210207.3/11

+ sign 6440.545+/-1.140 χ^2/NDF : 909351.4/29

All: 6443.816+/-0.803 χ^2/NDF : 1810292.8/60

- sign 6447.030+/-1.131 χ^2/NDF : 900925.2/30

diff_bpm1X_mean vs Slug



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

Left Out: -13.608 ± 2.845 χ^2/NDF : 29.7/12

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

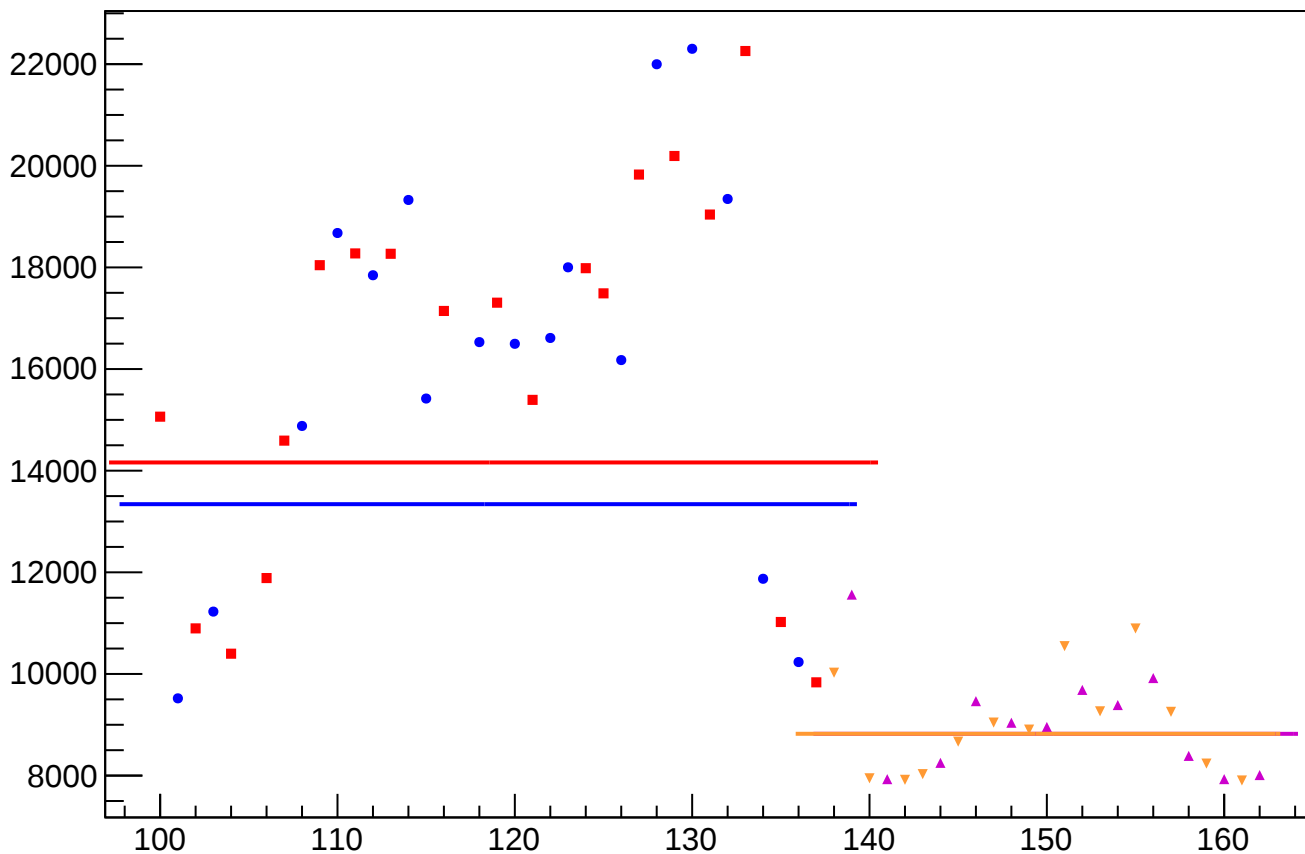
Left In: -0.583 ± 2.850 χ^2/NDF : 9.2/11

+ sign -12.485 ± 2.517 χ^2/NDF : 52.4/29

All: -7.437 ± 1.785 χ^2/NDF : 85.8/60

- sign -2.329 ± 2.531 χ^2/NDF : 25.2/30

diff_bpm1X_rms vs Slug



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

Left Out: 8822.609+/-2.012 χ^2/NDF : 201847.9/12

+ sign 9806.534+/-1.780 χ^2/NDF : 2344608.3/29

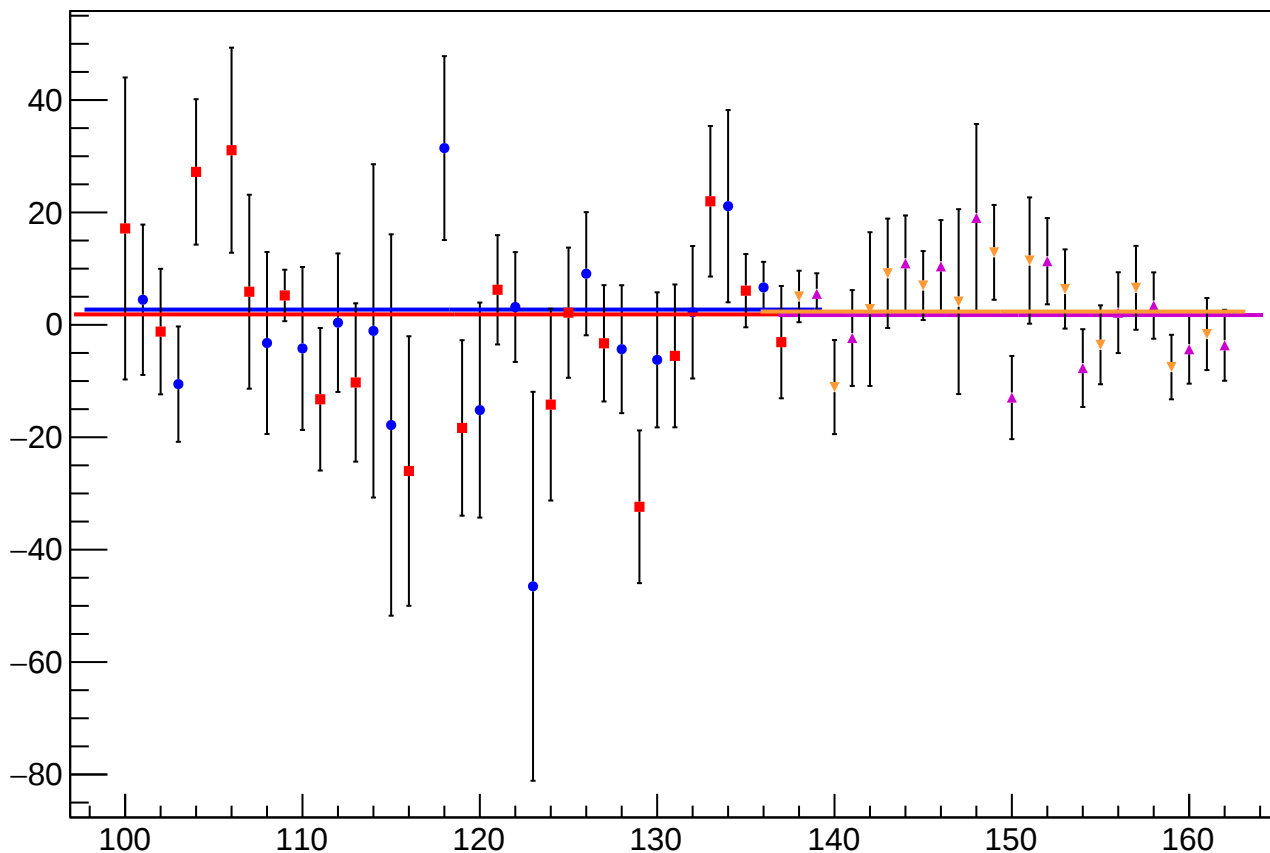
Right Out: 14161.826+/-3.895 χ^2/NDF : 931787.3/18

All: 9877.540+/-1.262 χ^2/NDF : 4955391.1/60

Left In: 8821.777+/-2.015 χ^2/NDF : 193052.8/11

- sign 9949.371+/-1.790 χ^2/NDF : 2607580.0/30

diff_bpm1Y_mean vs Slug



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

Left Out: 2.365 ± 2.027 χ^2/NDF : 10.9/12

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

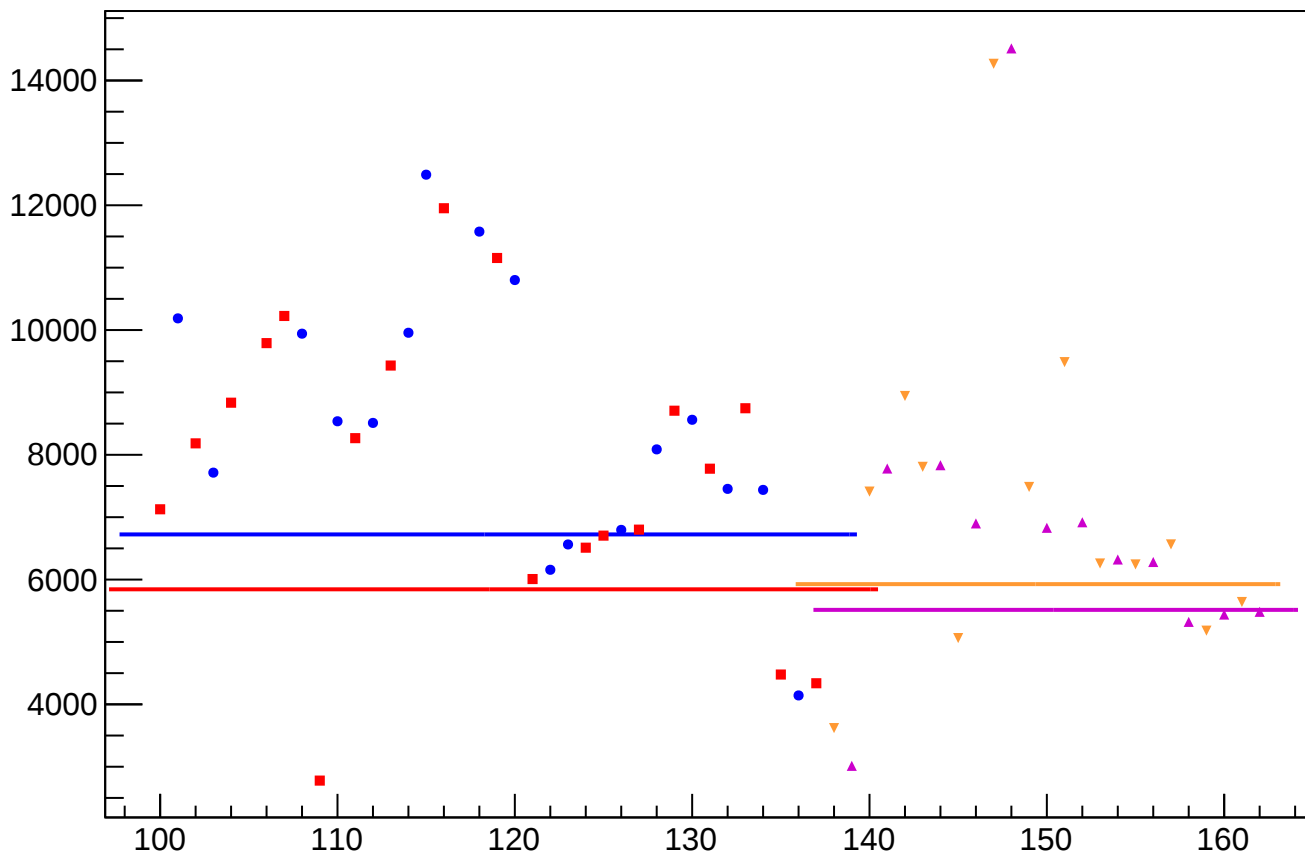
Left In: 1.742 ± 1.901 χ^2/NDF : 13.8/11

+ sign 2.489 ± 1.632 χ^2/NDF : 22.6/29

All: 2.108 ± 1.104 χ^2/NDF : 60.0/60

- sign 1.787 ± 1.499 χ^2/NDF : 37.3/30

diff_bpm1Y_rms vs Slug



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

Left Out: 5926.905+/-1.434 χ^2/NDF : 1626597.0/12

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

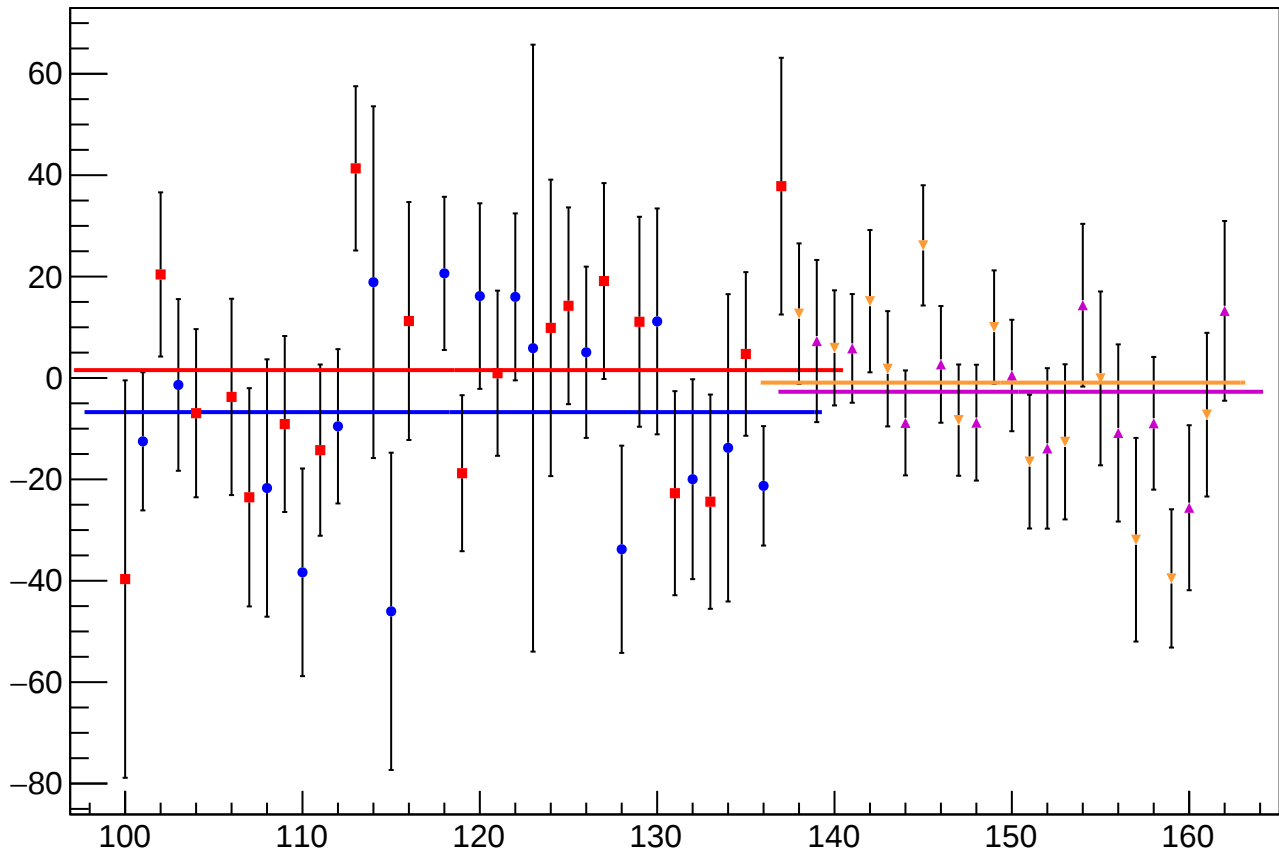
Left In: 5514.496+/-1.344 χ^2/NDF : 2044960.1/11

+ sign 6207.275+/-1.154 χ^2/NDF : 3127390.0/29

All: 5899.030+/-0.781 χ^2/NDF : 7603751.5/60

- sign 5638.962+/-1.060 χ^2/NDF : 4344869.6/30

diff_bpm11X_mean vs Slug



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

Left Out: -0.914 ± 3.669 χ^2/NDF : 21.9/12

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

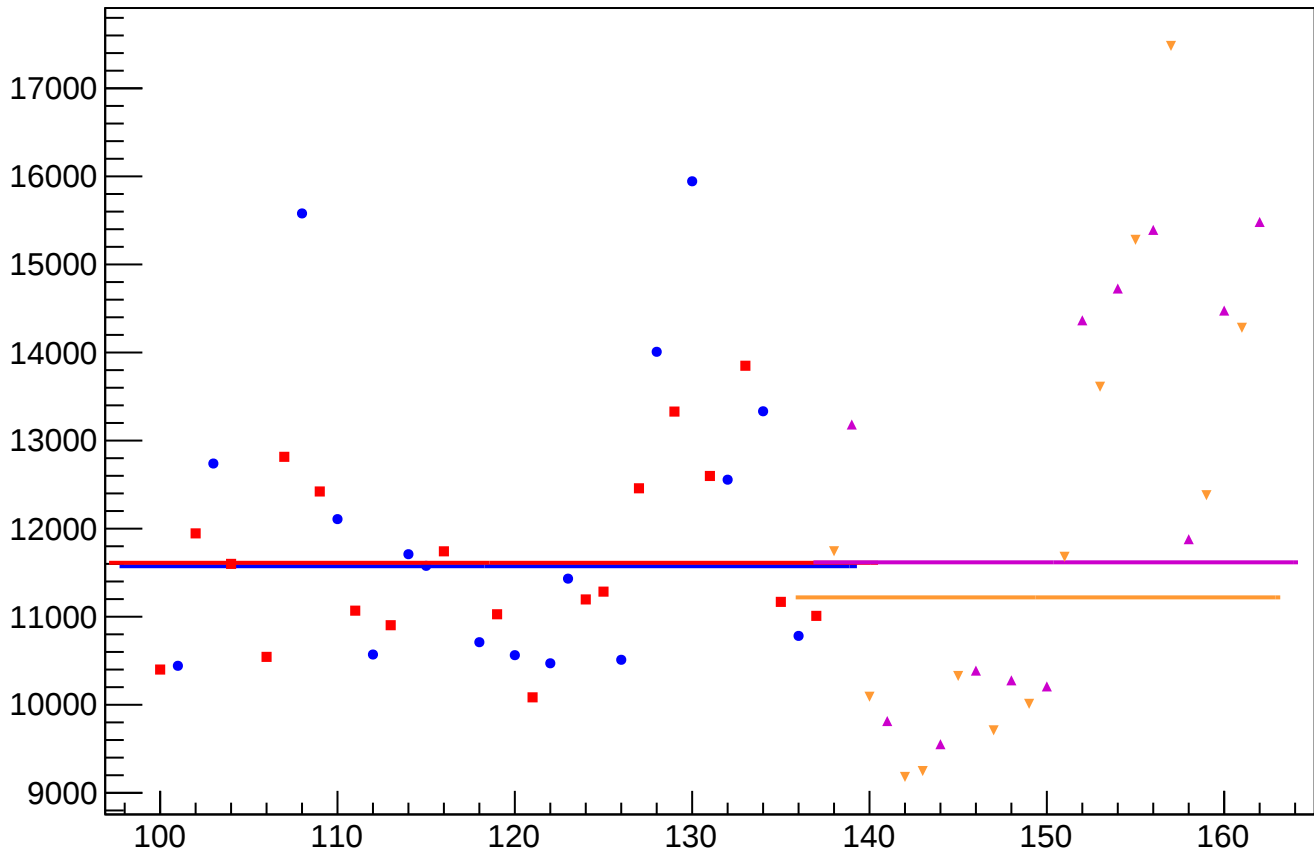
Left In: -2.718 ± 3.797 χ^2/NDF : 6.8/11

+ sign -3.231 ± 2.847 χ^2/NDF : 39.7/29

All: -2.065 ± 2.020 χ^2/NDF : 67.4/60

- sign -0.884 ± 2.867 χ^2/NDF : 27.3/30

diff_bpm11X_rms vs Slug



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

Left Out: 11219.536 $\pm$ 2.594 χ^2 /NDF: 641740.7/12

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

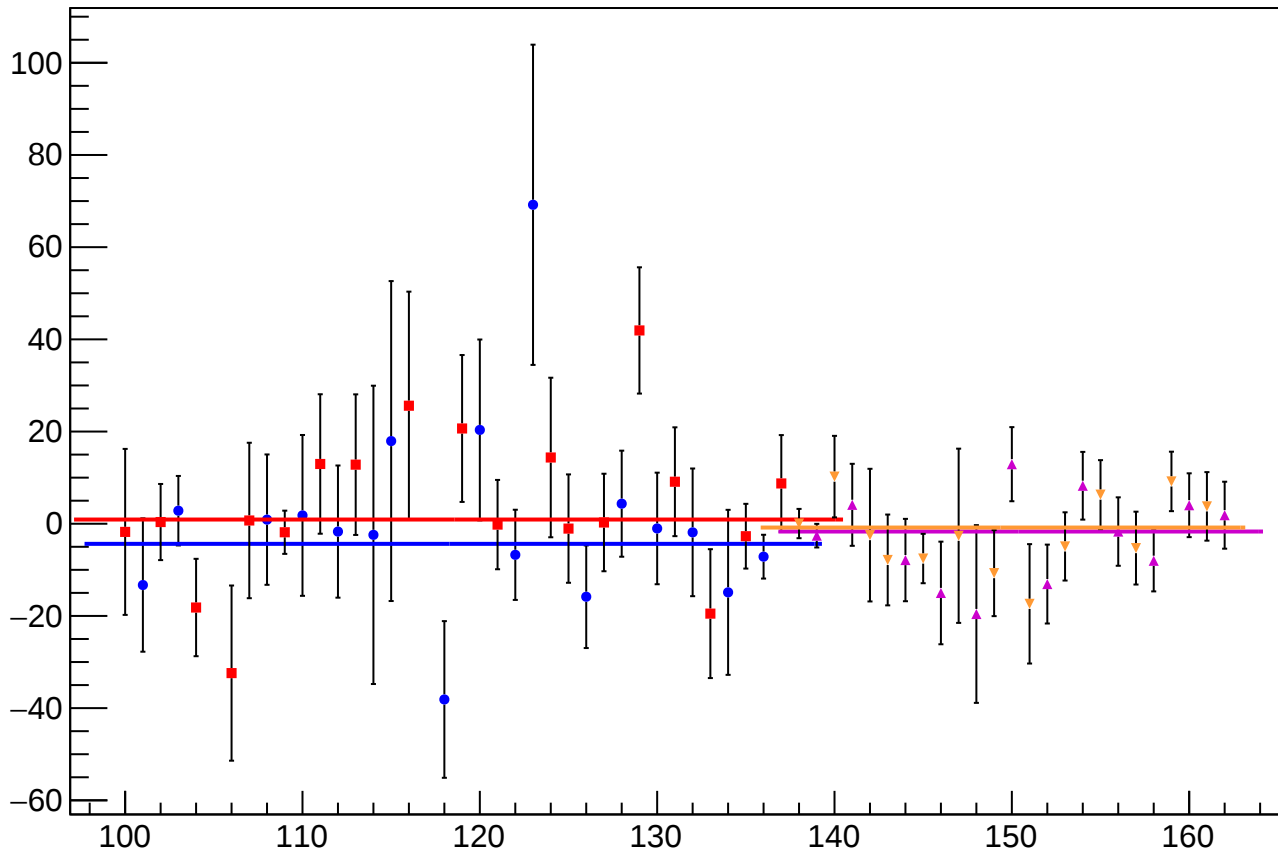
Left In: 11617.578 $\pm$ 2.685 χ^2 /NDF: 624769.0/11

+ sign 11360.388 $\pm$ 2.013 χ^2 /NDF: 887882.6/29

All: 11486.944 $\pm$ 1.428 χ^2 /NDF: 1614921.7/6

- sign 11615.274 $\pm$ 2.027 χ^2 /NDF: 719078.8/30

diff_bpm11Y_mean vs Slug



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

Left Out: -0.825 ± 1.902 χ^2/NDF : 10.8/12

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

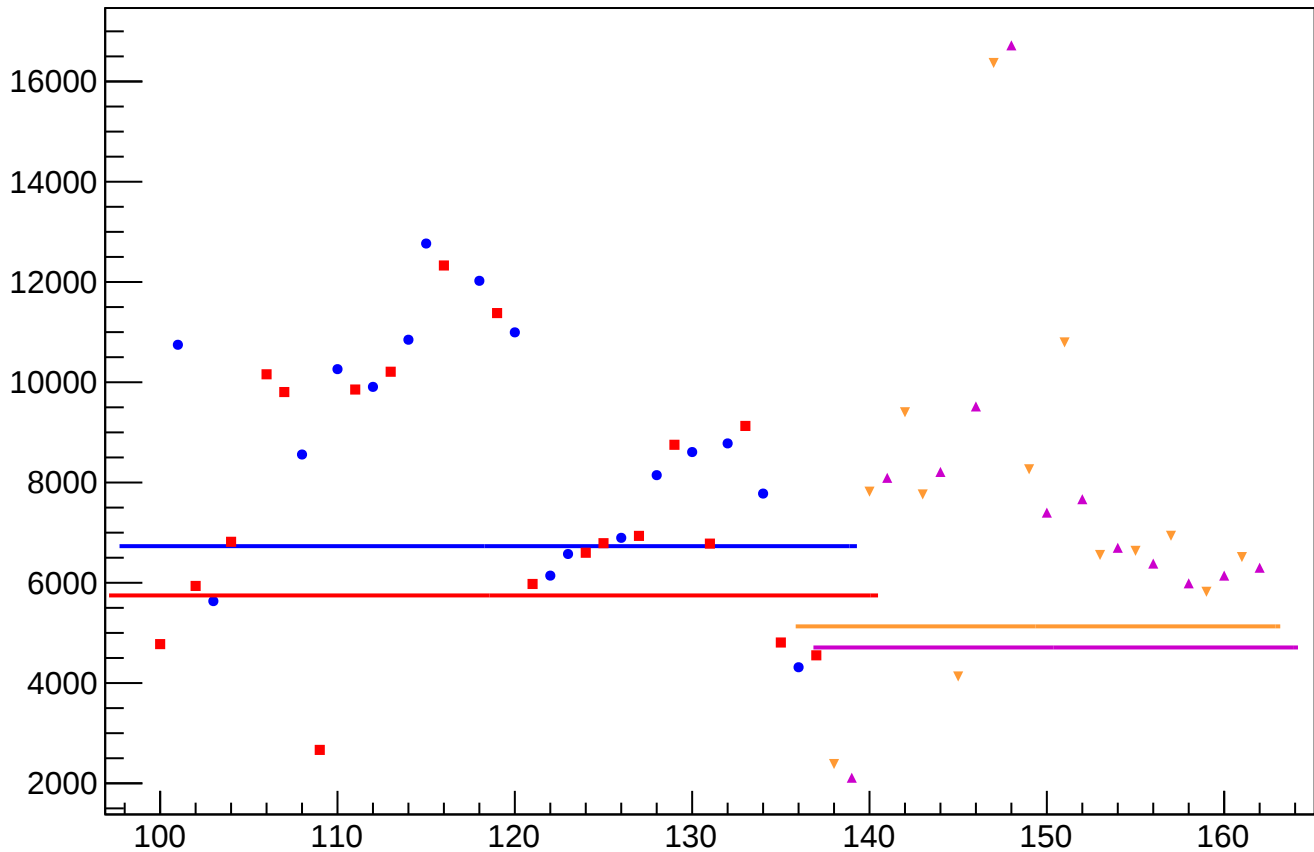
Left In: -1.689 ± 1.777 χ^2/NDF : 12.1/11

+ sign -1.955 ± 1.569 χ^2/NDF : 26.4/29

All: -1.314 ± 1.058 χ^2/NDF : 63.1/60

- sign -0.780 ± 1.434 χ^2/NDF : 36.3/30

diff_bpm11Y_rms vs Slug



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

Left Out: 5130.469+/-1.345 χ^2/NDF : 3733837.0/12

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

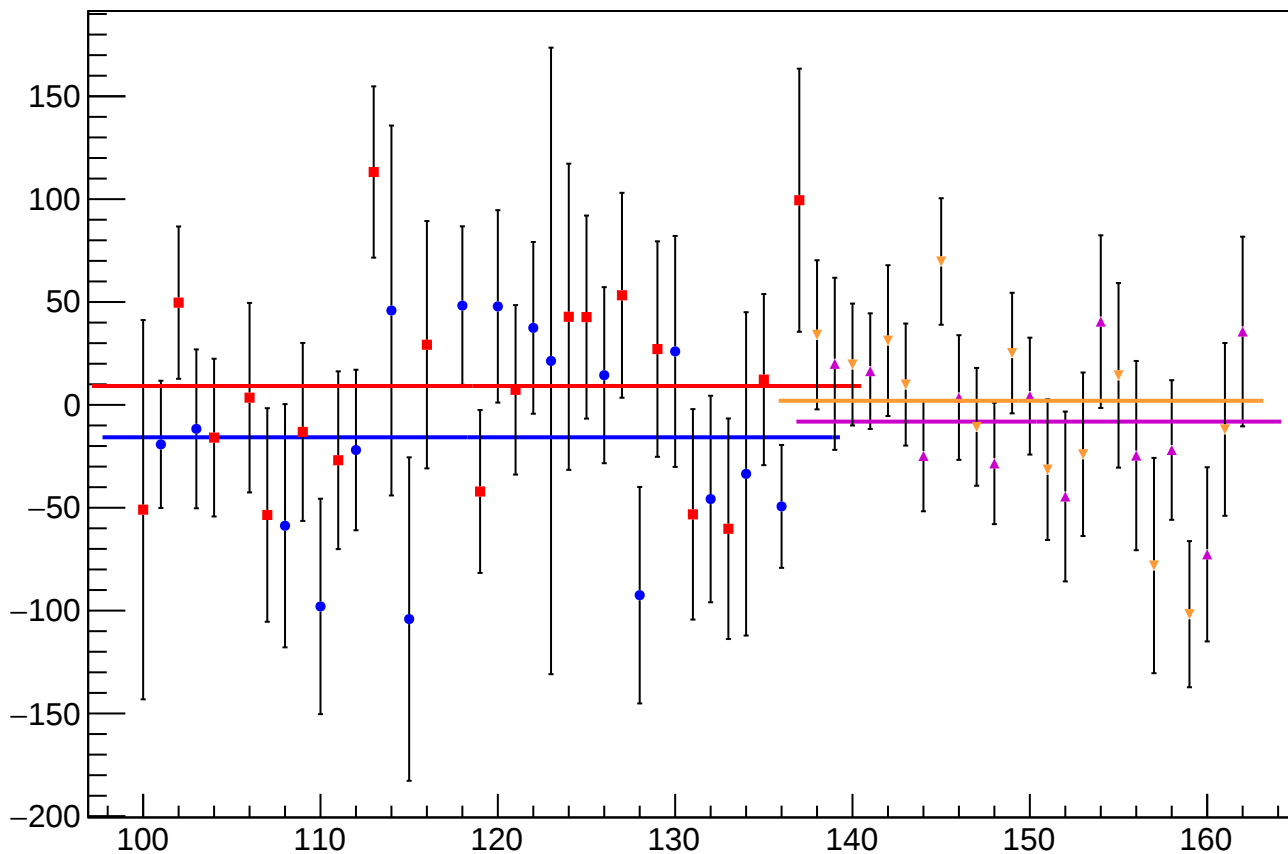
Left In: 4709.796+/-1.257 χ^2/NDF : 4771345.3/11

+ sign 5641.716+/-1.110 χ^2/NDF : 5631274.5/29

All: 5331.270+/-0.748 χ^2/NDF : 12946672.2/6

- sign 5072.173+/-1.014 χ^2/NDF : 7171789.9/30

diff_bpm12X_mean vs Slug



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

Left Out: 1.999 ± 9.562 χ^2/NDF : 20.0/12

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

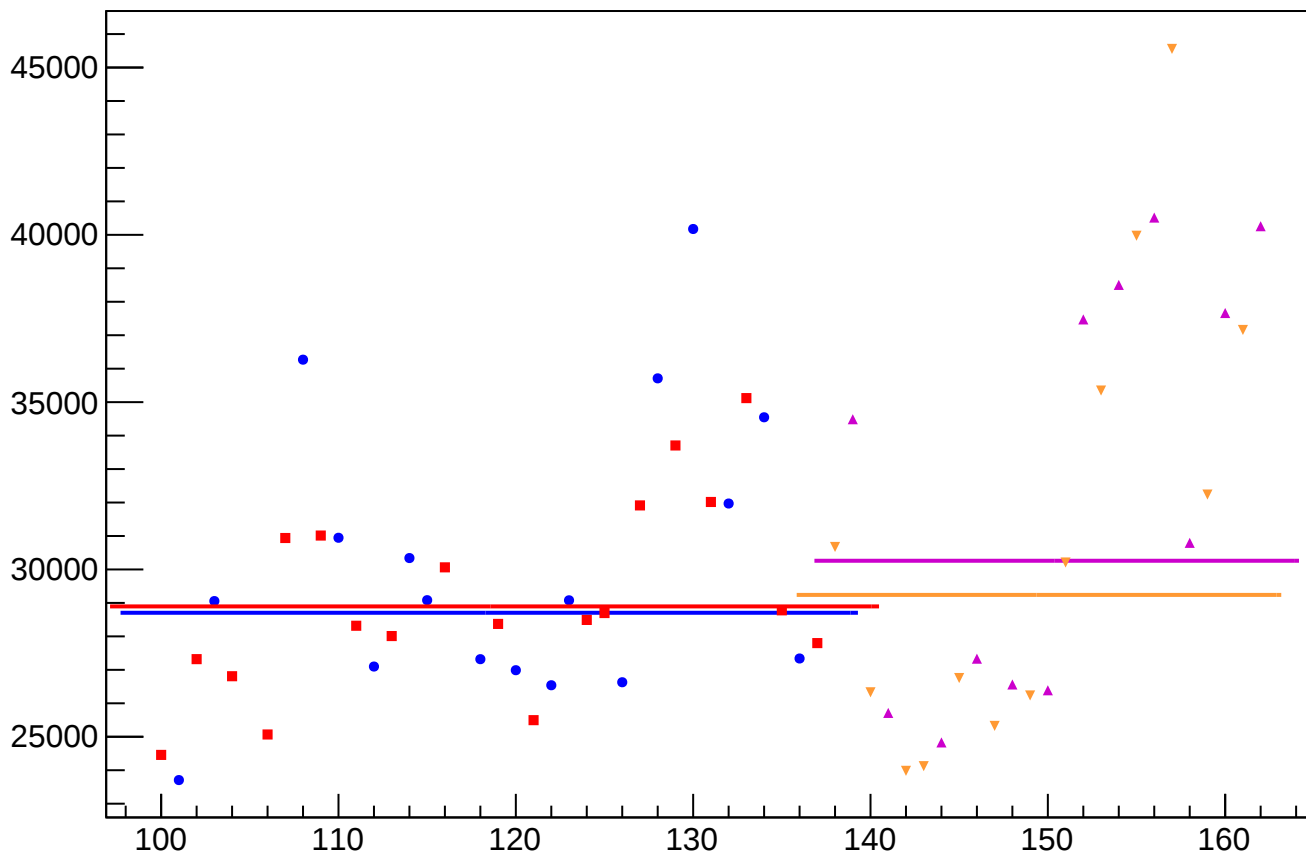
Left In: -8.131 ± 9.892 χ^2/NDF : 8.0/11

+ sign -5.478 ± 7.274 χ^2/NDF : 37.3/29

All: -2.908 ± 5.160 χ^2/NDF : 66.3/60

- sign -0.305 ± 7.322 χ^2/NDF : 28.7/30

diff_bpm12X_rms vs Slug



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

Left Out: 29239.397+/-6.762 χ^2/NDF : 637838.0/12

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

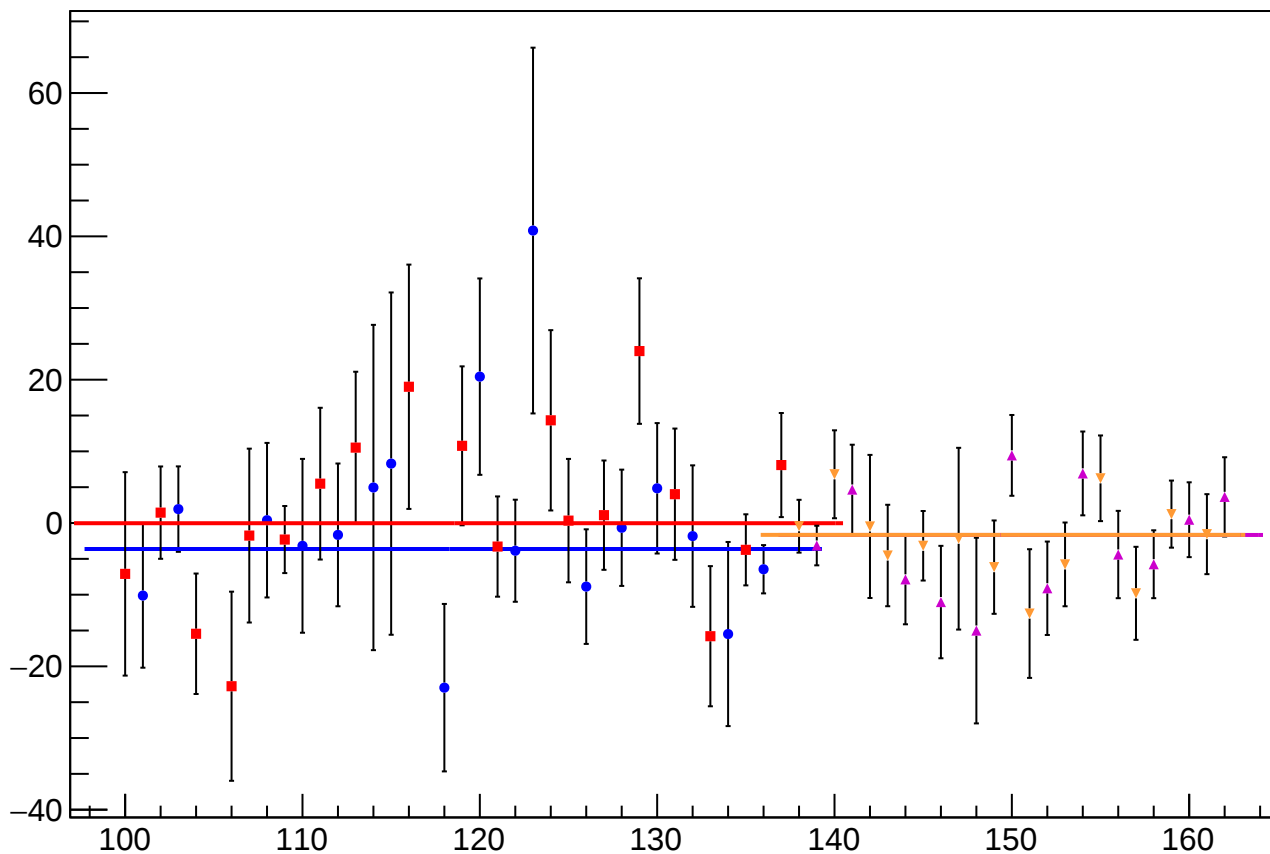
Left In: 30259.928+/-6.995 χ^2/NDF : 634886.5/11

+ sign 29014.503+/-5.144 χ^2/NDF : 891456.5/29

All: 29326.740+/-3.649 χ^2/NDF : 1662176.4/6

- sign 29643.064+/-5.177 χ^2/NDF : 763302.3/30

diff_bpm12Y_mean vs Slug



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

Left Out: -1.654 ± 1.636 χ^2/NDF : 8.5/12

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

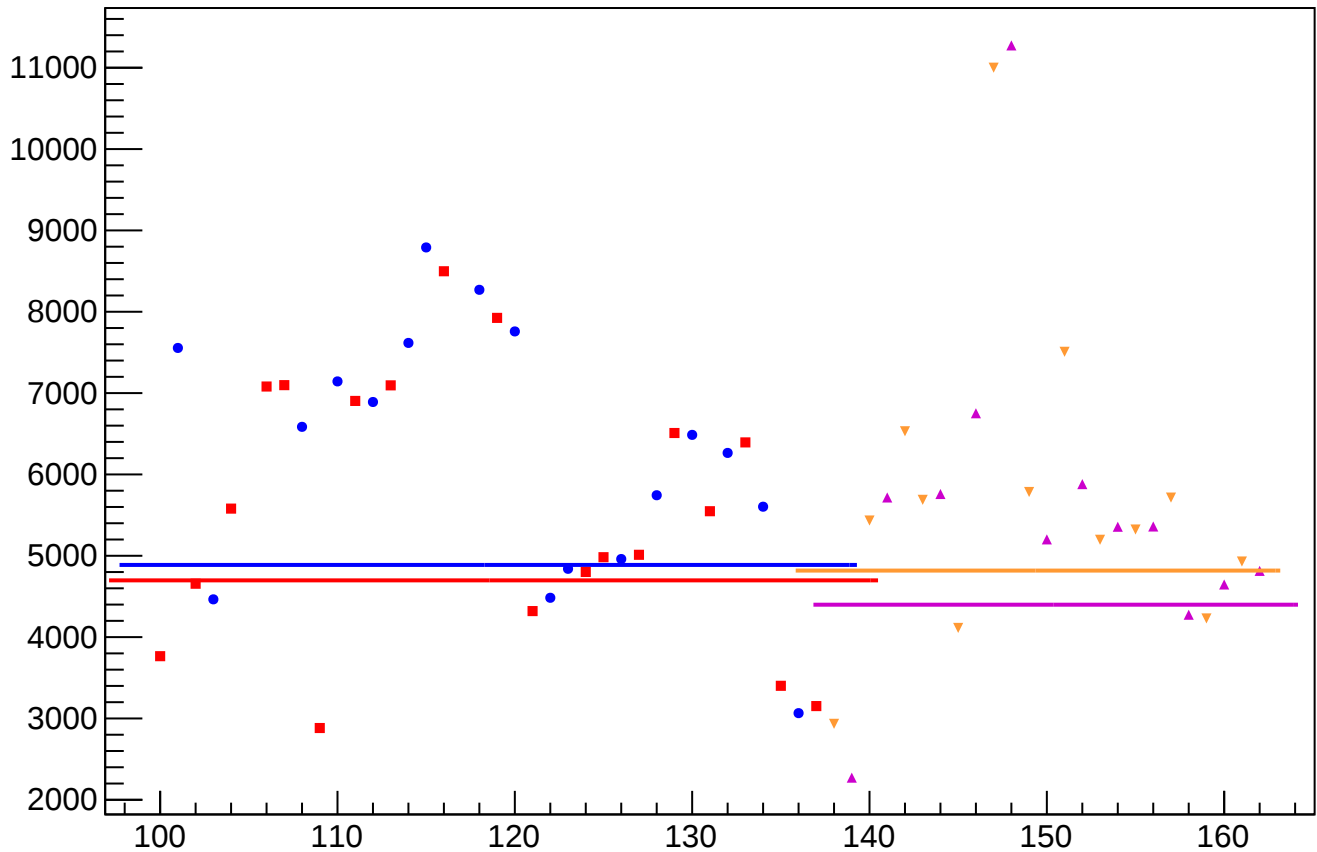
Left In: -1.667 ± 1.526 χ^2/NDF : 14.1/11

+ sign -2.441 ± 1.268 χ^2/NDF : 22.8/29

All: -1.684 ± 0.867 χ^2/NDF : 60.2/60

- sign -1.020 ± 1.187 χ^2/NDF : 36.7/30

diff_bpm12Y_rms vs Slug



Right In: 4887.515 $\pm$ 1.418 χ^2 /NDF: 1409296.8/16

Left Out: 4818.078 $\pm$ 1.157 χ^2 /NDF:1466638.1/12

Right Out: 4697.726 $\pm$ 1.336 χ^2 /NDF: 1313121.0/18

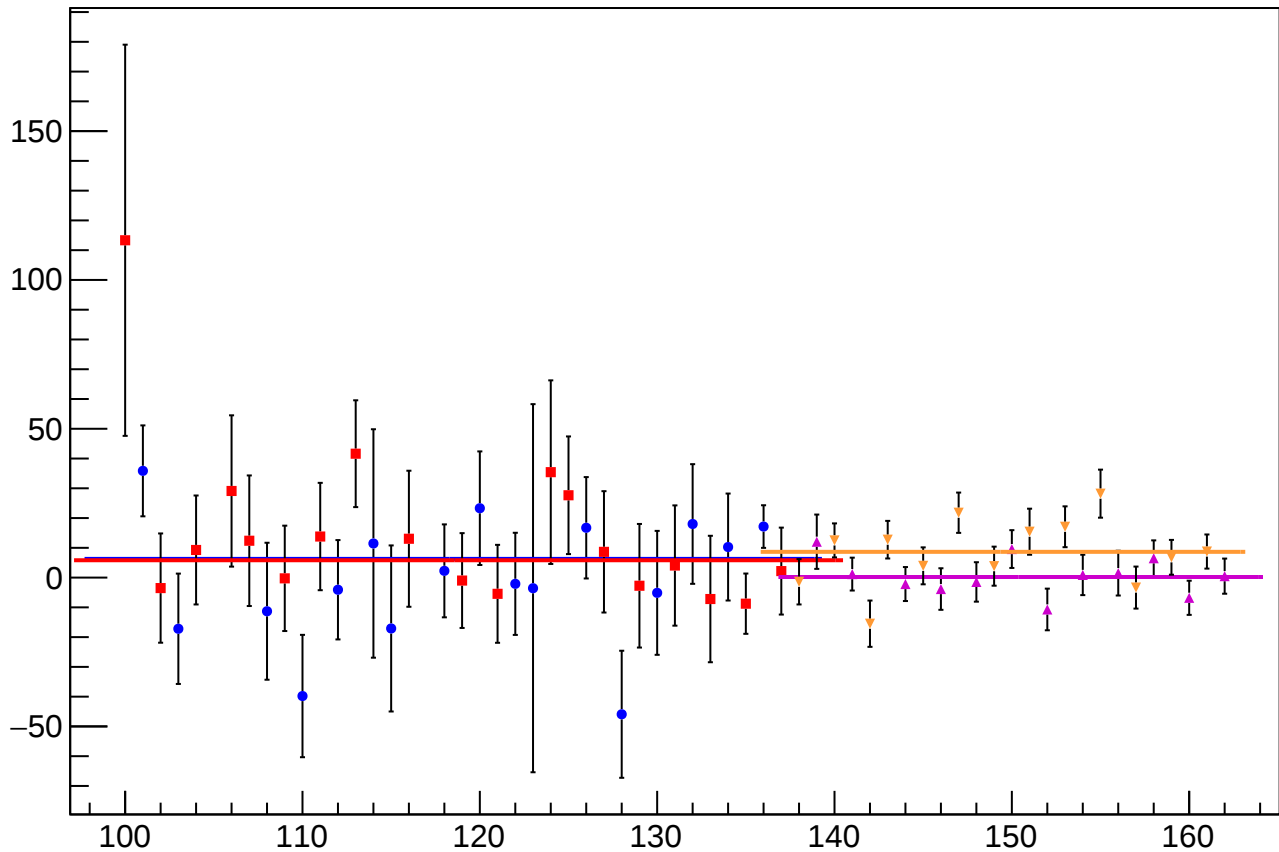
Left In: 4398.517 $\pm$ 1.079 χ^2 /NDF:2376921.8/11

+ sign 4845.811 $\pm$ 0.896 χ^2 /NDF: 2877374.1/29

All: 4670.422 $\pm$ 0.613 χ^2 /NDF: 6669616.1/60

- sign 4516.595 $\pm$ 0.840 χ^2 /NDF: 3720388.3/30

diff_bpm16X_mean vs Slug



Right In: 6.283 ± 4.064 $\chi^2/\text{NDF}: 22.5/16$

Left Out: 8.654 ± 1.846 $\chi^2/\text{NDF}: 28.3/12$

Right Out: 5.828 ± 4.219 $\chi^2/\text{NDF}: 13.8/18$

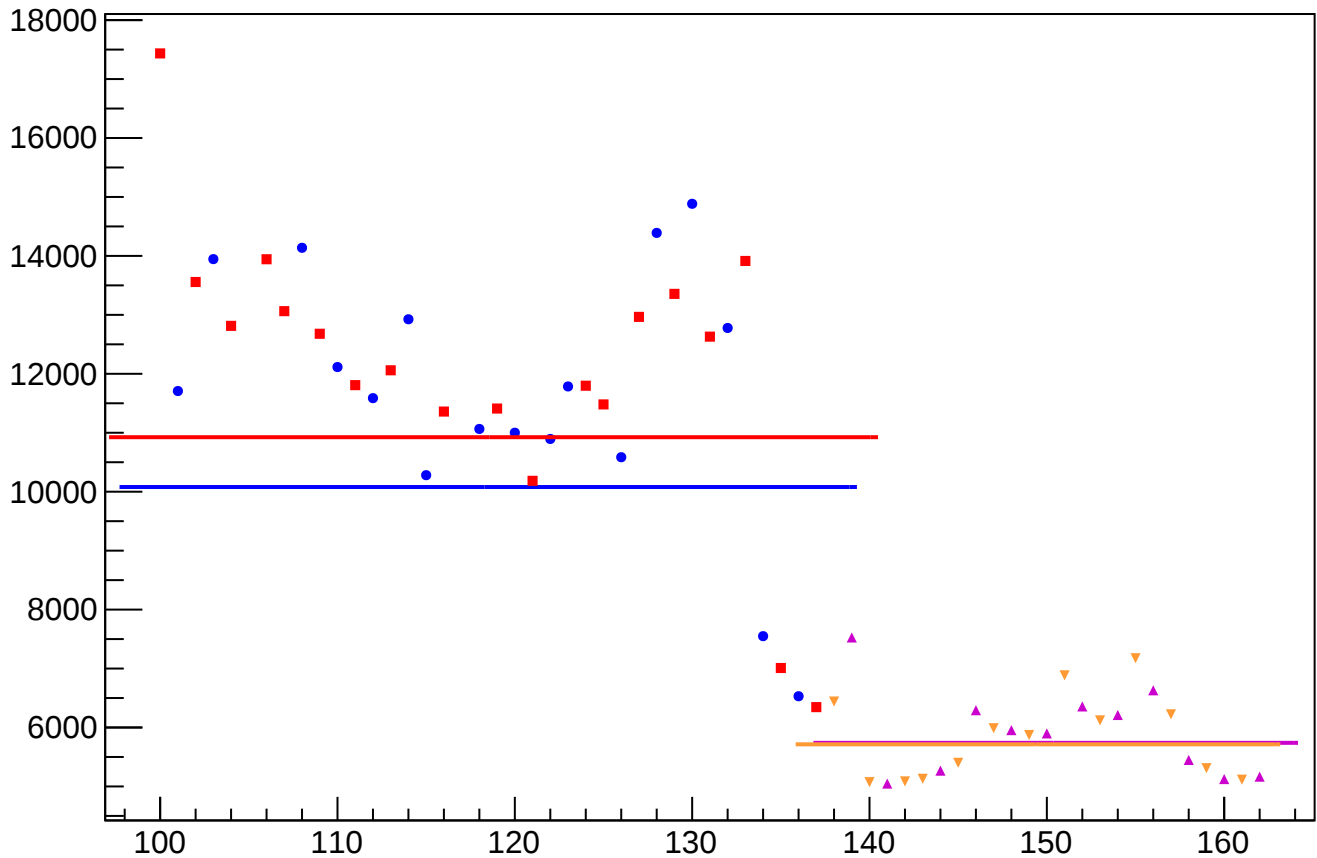
Left In: 0.200 ± 1.856 $\chi^2/\text{NDF}: 9.5/11$

+ sign 8.249 ± 1.681 $\chi^2/\text{NDF}: 51.1/29$

All: 4.720 ± 1.195 $\chi^2/\text{NDF}: 84.8/60$

- sign 1.113 ± 1.699 $\chi^2/\text{NDF}: 24.8/30$

diff_bpm16X_rms vs Slug



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

Left Out: 5714.698 $\pm$ 1.305 χ^2 /NDF: 243262.5/12

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

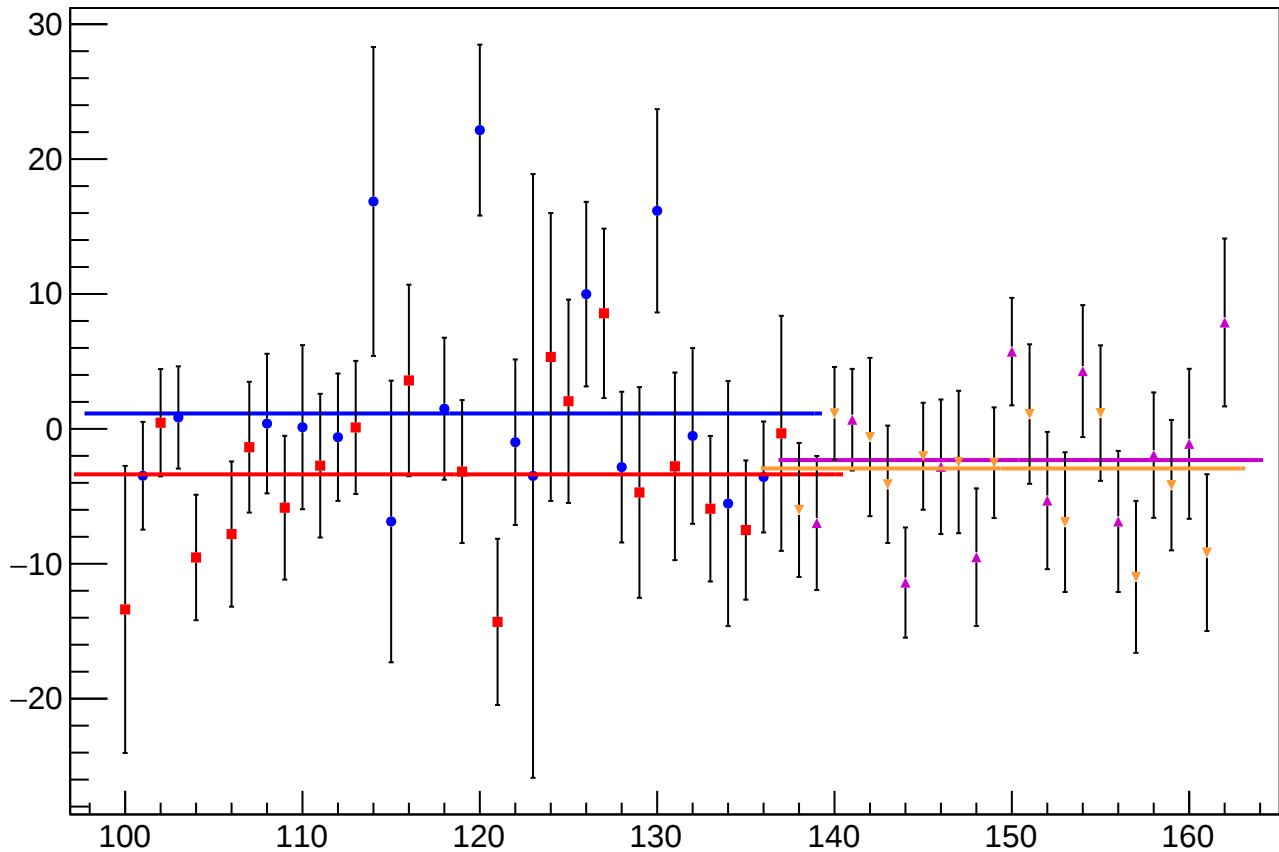
Left In: 5739.840 $\pm$ 1.313 χ^2 /NDF: 237545.2/11

+ sign 6461.017 $\pm$ 1.188 χ^2 /NDF: 3150334.7/29

All: 6520.200 $\pm$ 0.845 χ^2 /NDF: 6691754.4/60

- sign 6580.697 $\pm$ 1.201 χ^2 /NDF: 3536403.9/30

diff_bpm16Y_mean vs Slug



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

Left Out: -2.934 ± 1.309 χ^2/NDF : 7.2/12

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

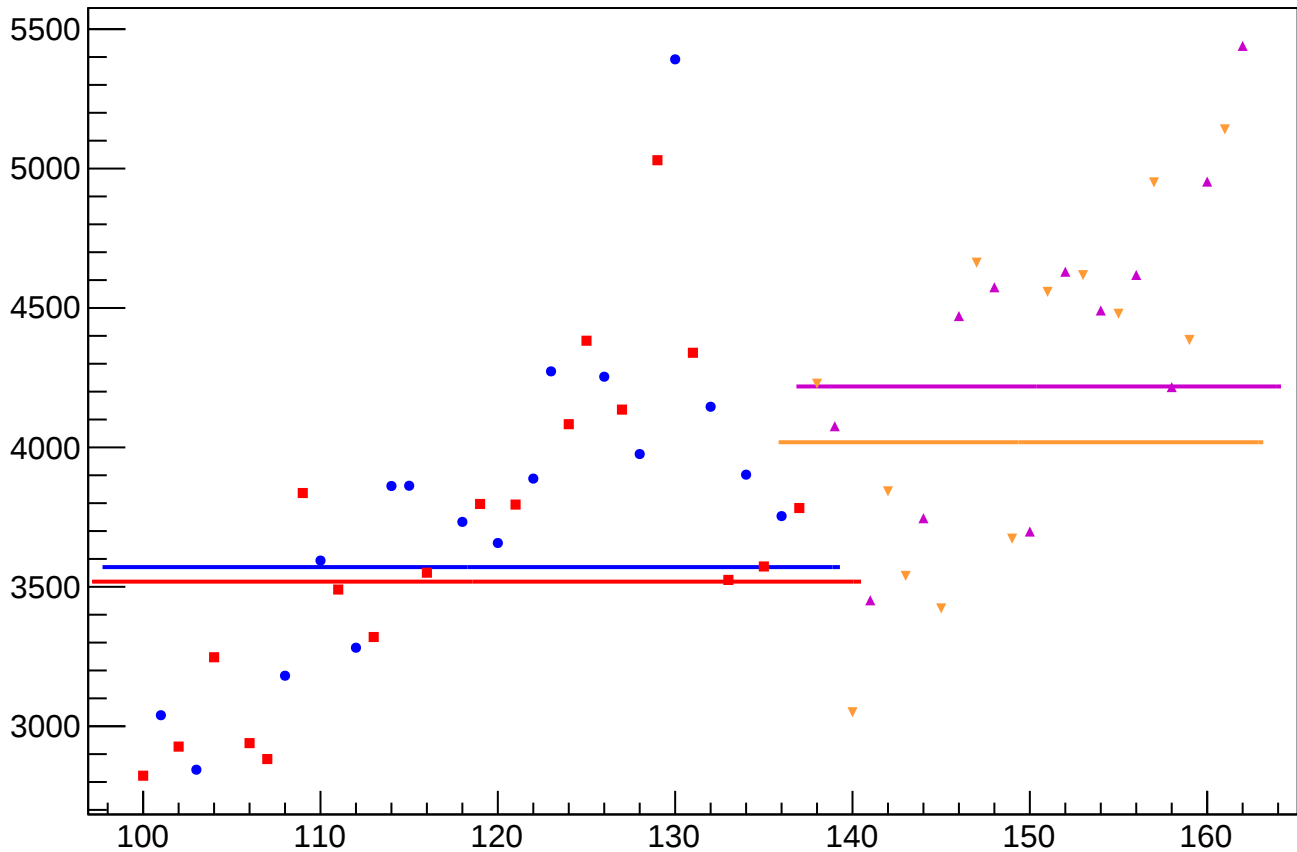
Left In: -2.311 ± 1.368 χ^2/NDF : 18.2/11

+ sign -1.026 ± 0.954 χ^2/NDF : 35.0/29

All: -1.940 ± 0.675 χ^2/NDF : 70.4/60

- sign -2.855 ± 0.955 χ^2/NDF : 33.6/30

diff_bpm16Y_rms vs Slug



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

Left Out: 4018.472 ± 0.925 χ^2/NDF : 483314.2/12

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

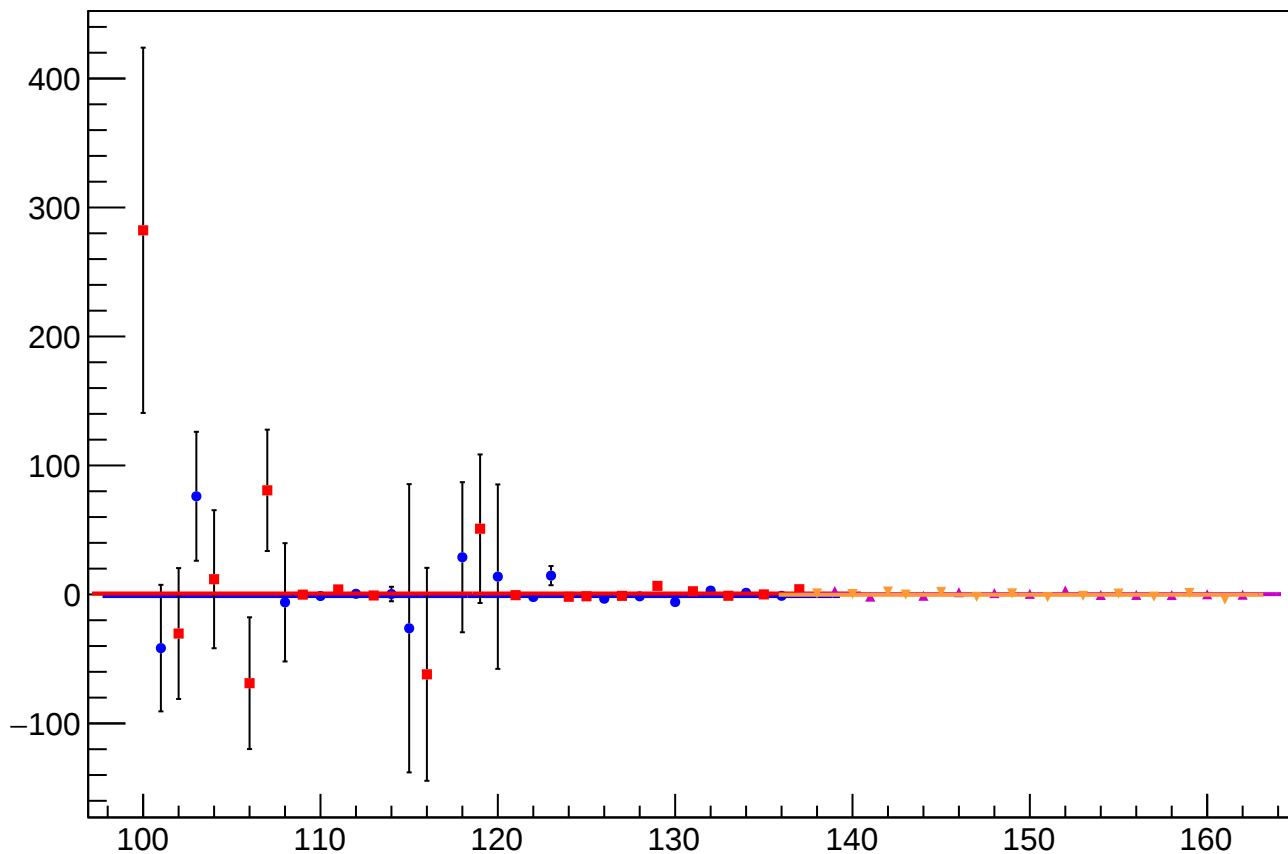
Left In: 4218.536 ± 0.968 χ^2/NDF : 303208.9/11

+ sign 3808.926 ± 0.675 χ^2/NDF : 902474.6/29

All: 3834.161 ± 0.477 χ^2/NDF : 1770131.5/60

- sign 3859.422 ± 0.675 χ^2/NDF : 864859.3/30

diff_bpm1p02bX_mean vs Slug



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

Left Out: -0.231 ± 0.339 χ^2/NDF : 25.3/12

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

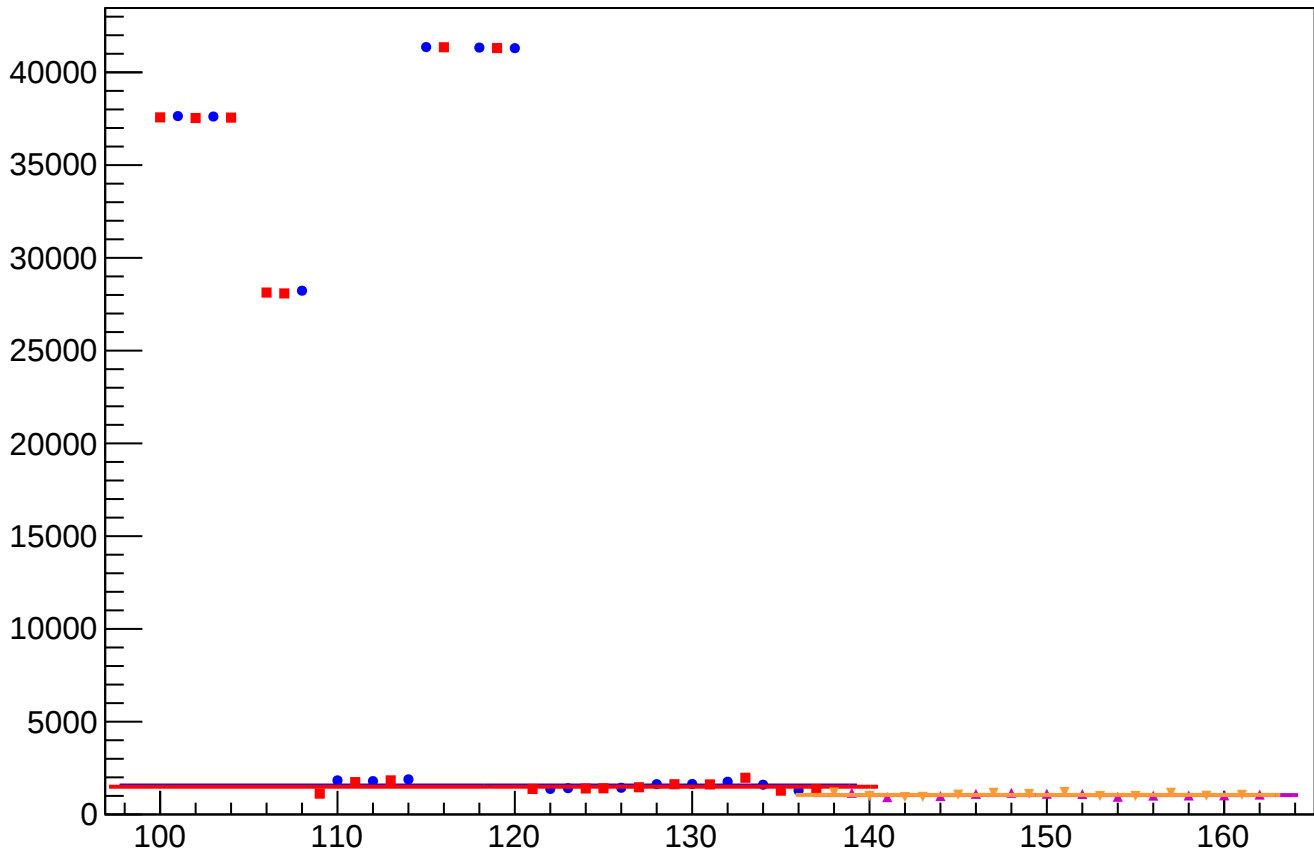
Left In: 0.224 ± 0.337 χ^2/NDF : 16.2/11

+ sign -0.407 ± 0.308 χ^2/NDF : 43.2/29

All: -0.040 ± 0.217 χ^2/NDF : 84.6/60

- sign 0.318 ± 0.304 χ^2/NDF : 38.7/30

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1053.253 $\pm$ 0.239 χ^2 /NDF: 128565.1/12

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

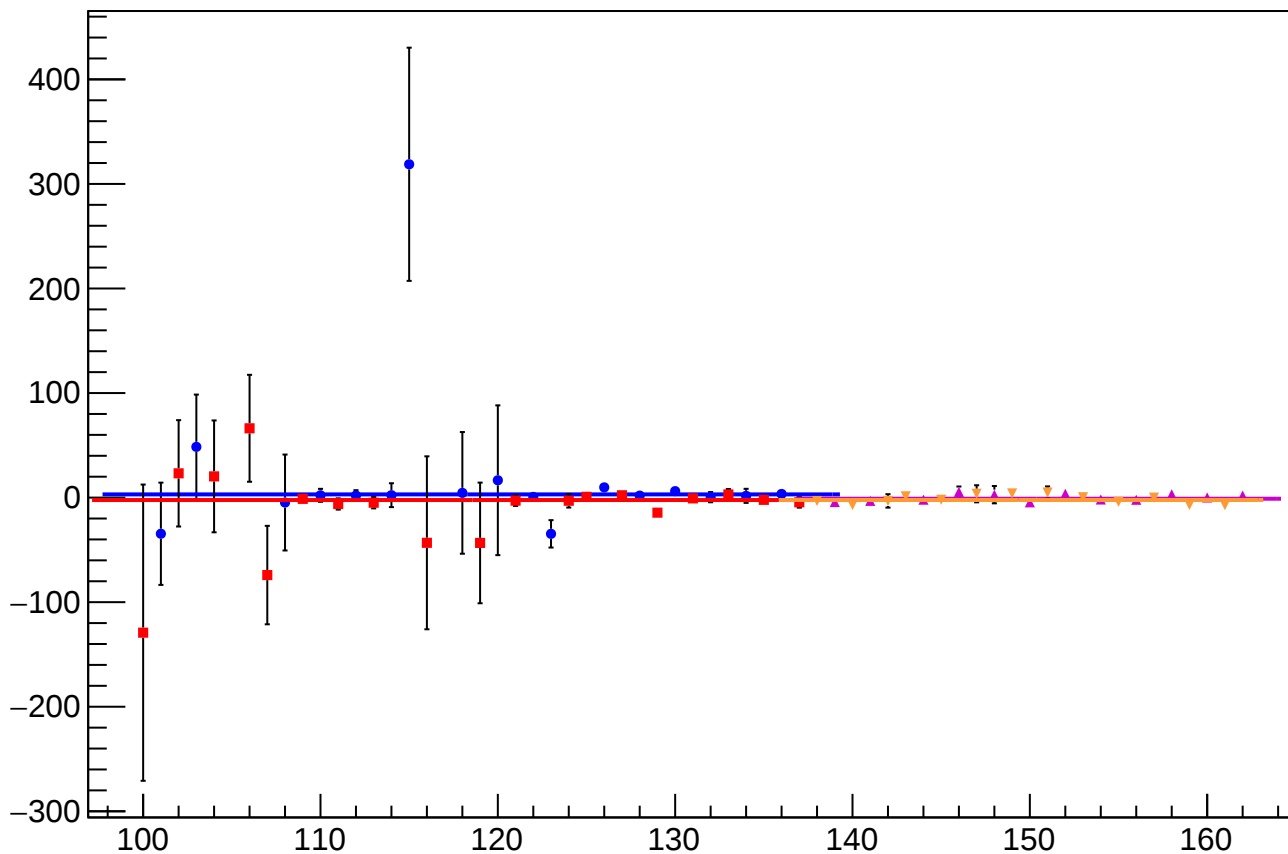
Left In: 1045.225 $\pm$ 0.238 χ^2 /NDF: 96808.5/11

+ sign 1139.306 $\pm$ 0.218 χ^2 /NDF: 5641221.9/29

All: 1133.465 $\pm$ 0.153 χ^2 /NDF: 11285887.9/6

- sign 1127.778 $\pm$ 0.215 χ^2 /NDF: 5643251.1/30

diff_bpm1p02bY_mean vs Slug



Right In: 3.075 $\pm$ 1.323 χ^2 /NDF: 21.9/16

Left Out: -2.291 $\pm$ 1.093 χ^2 /NDF: 10.1/12

Right Out: -2.306 $\pm$ 1.235 χ^2 /NDF: 16.9/18

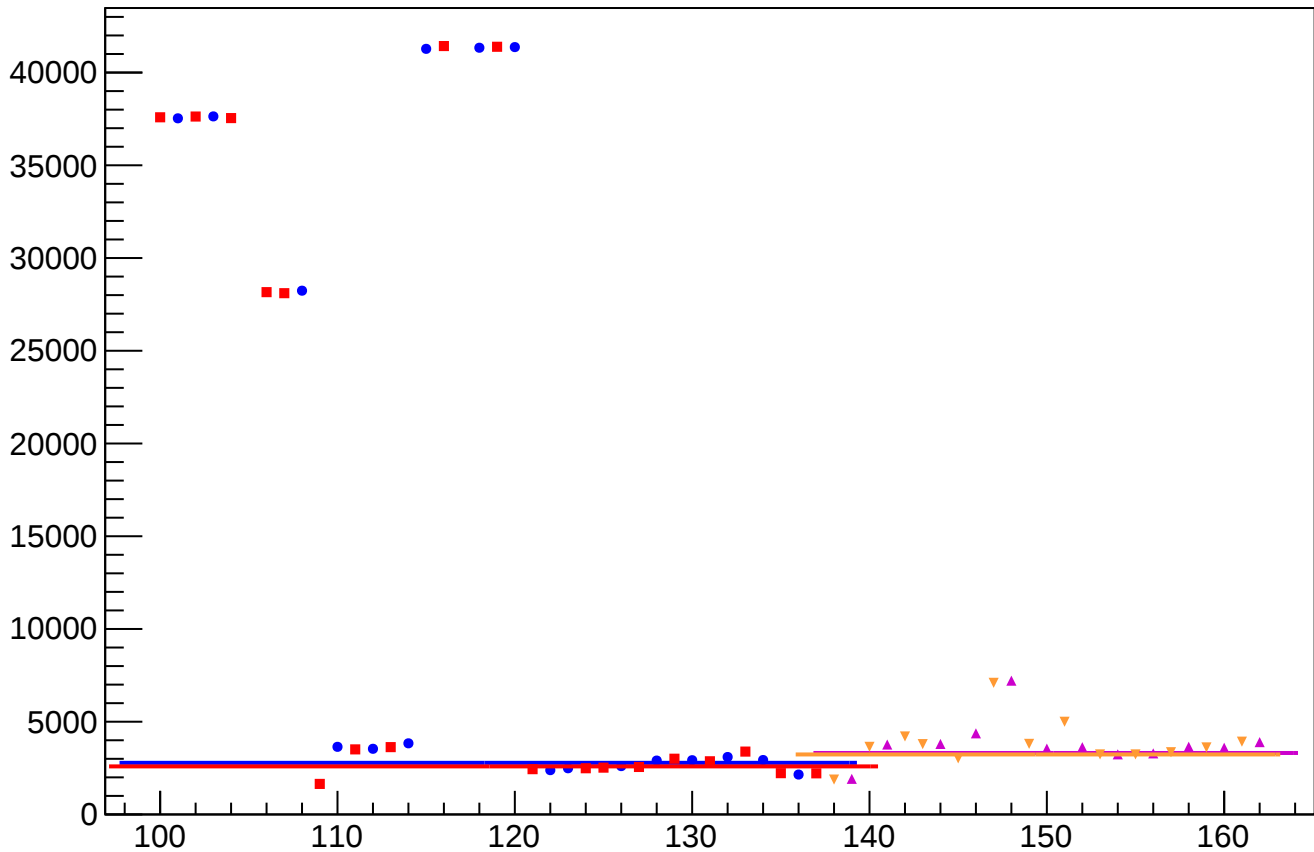
Left In: -1.062 $\pm$ 1.116 χ^2 /NDF: 8.0/11

+ sign -0.114 $\pm$ 0.843 χ^2 /NDF: 41.7/29

All: -0.881 $\pm$ 0.591 χ^2 /NDF: 68.8/60

- sign -1.621 $\pm$ 0.828 χ^2 /NDF: 25.5/30

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3235.214+/-0.773 χ^2/NDF : 1549455.7/12

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

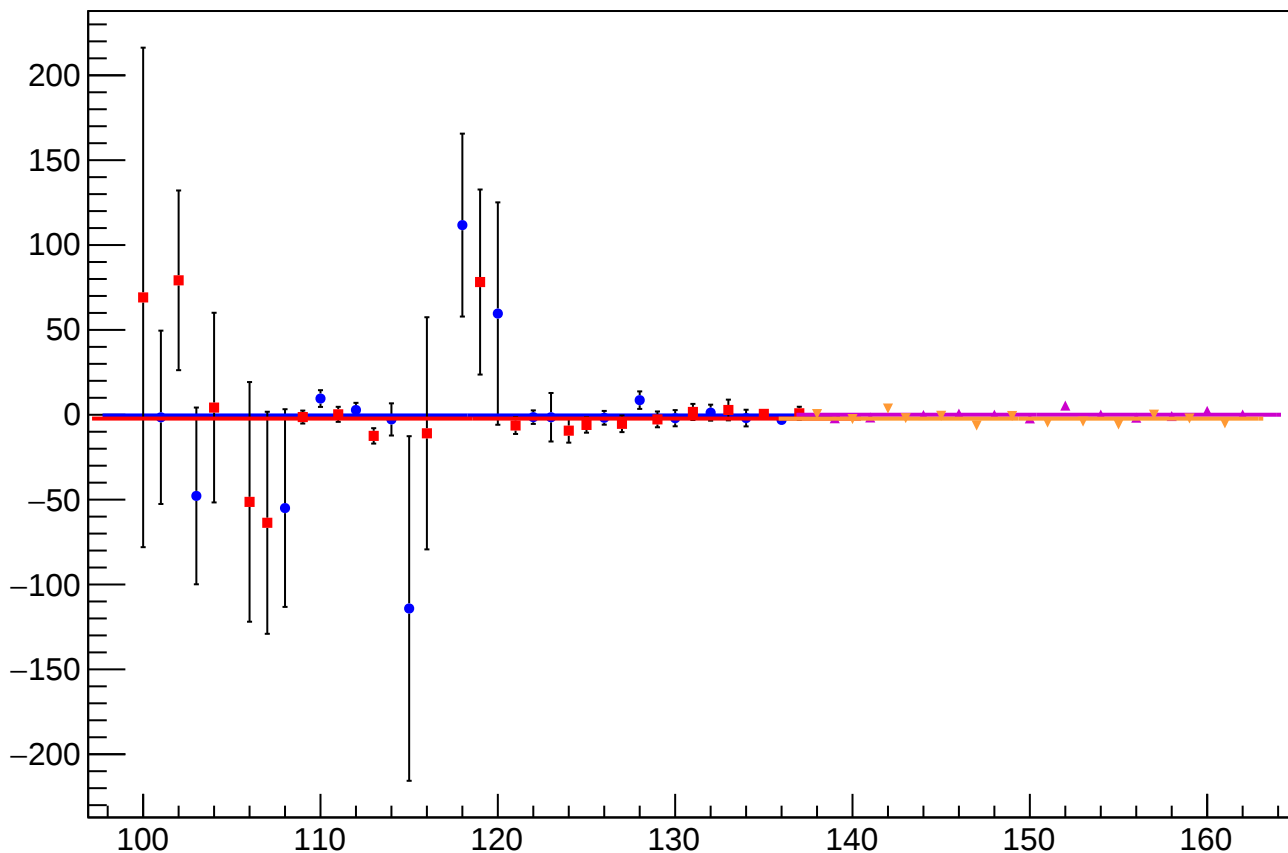
Left In: 3314.527+/-0.789 χ^2/NDF : 1355600.5/11

+ sign 3052.158+/-0.596 χ^2/NDF : 6265099.3/29

All: 3020.187+/-0.418 χ^2/NDF : 12851061.3/6

- sign 2989.350+/-0.585 χ^2/NDF : 6580308.0/30

diff_bpm1p03aX_mean vs Slug



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

Left Out: -2.292 ± 0.529 χ^2/NDF : 23.2/12

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

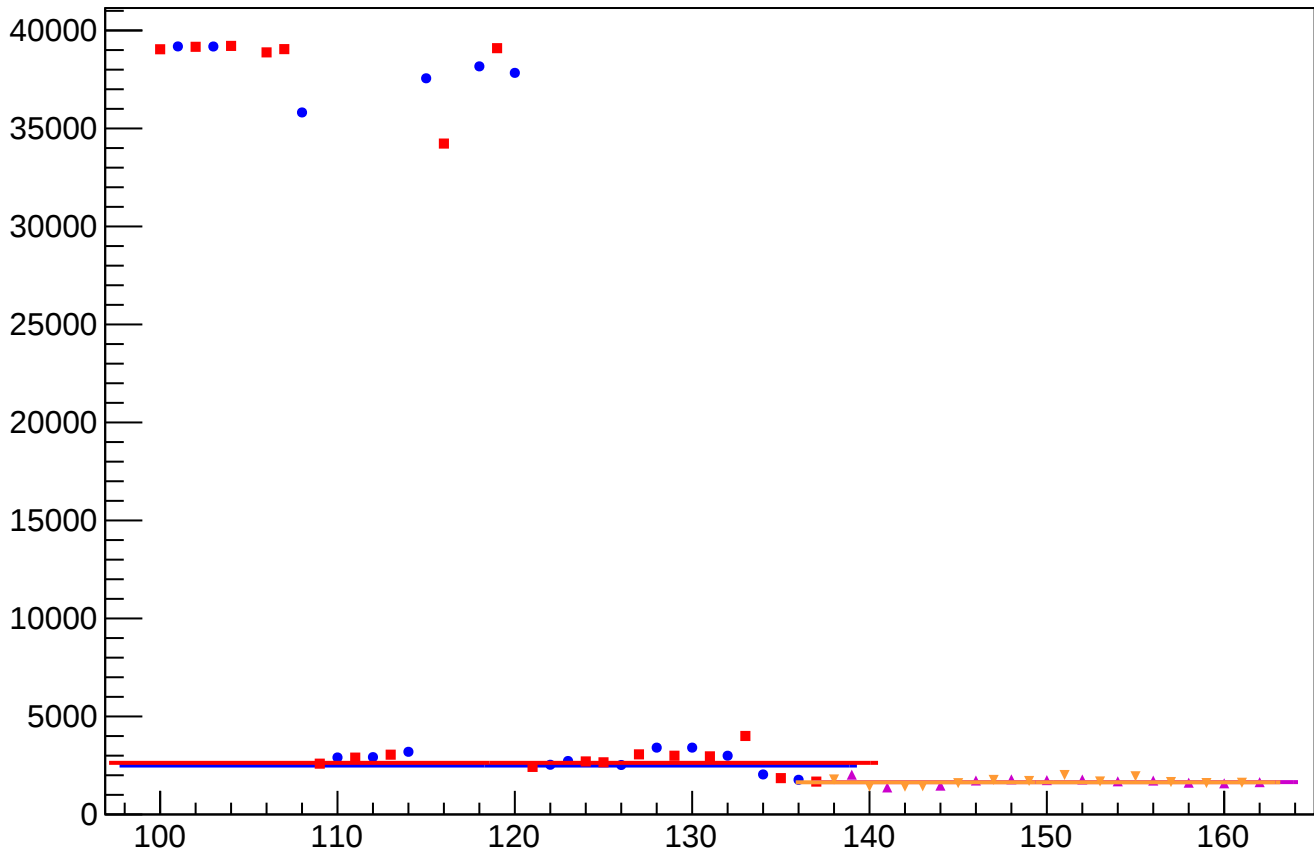
Left In: 0.022 ± 0.533 χ^2/NDF : 13.4/11

+ sign -1.993 ± 0.485 χ^2/NDF : 43.5/29

All: -1.169 ± 0.345 χ^2/NDF : 82.9/60

- sign -0.329 ± 0.490 χ^2/NDF : 33.6/30

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1640.593 $\pm$ 0.374 χ^2 /NDF: 203464.9/12

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

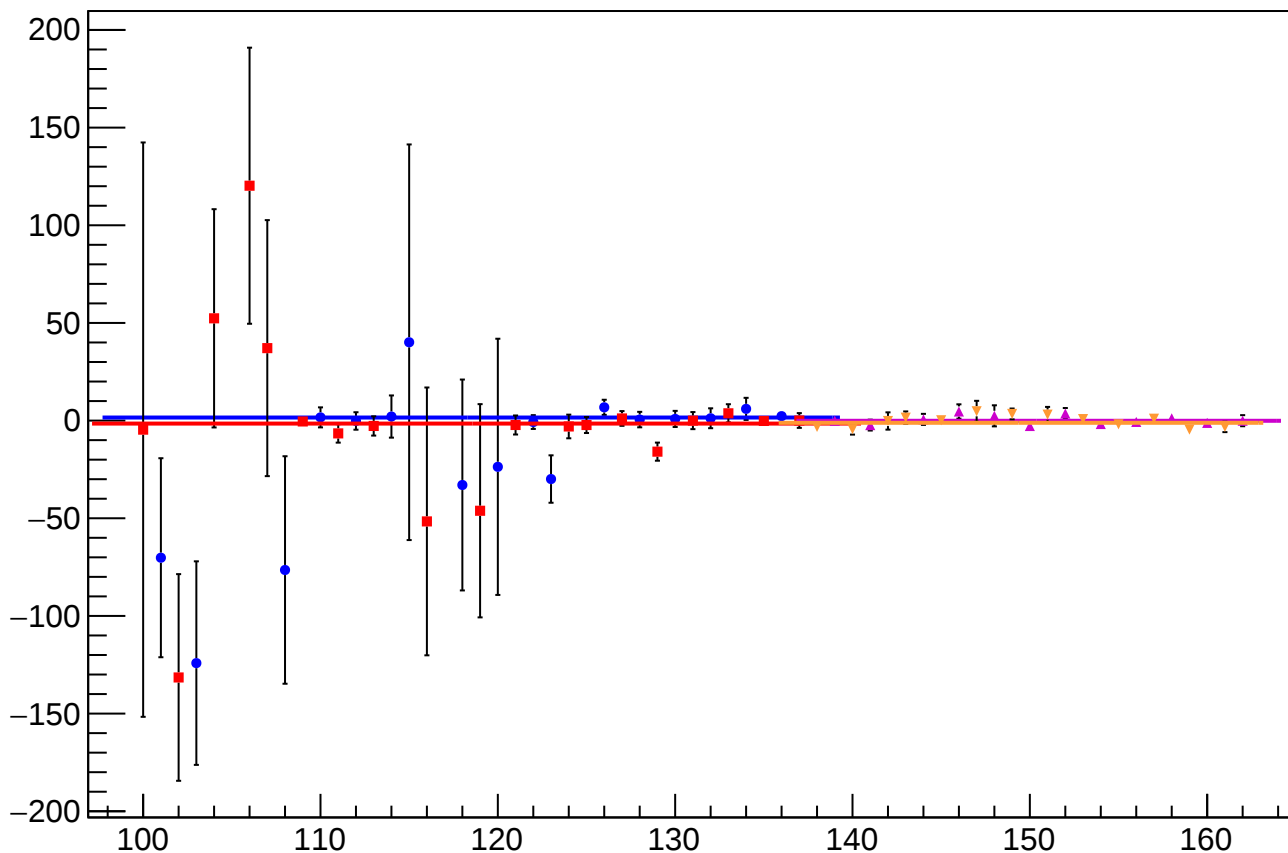
Left In: 1650.244 $\pm$ 0.377 χ^2 /NDF: 172871.3/11

+ sign 1776.239 $\pm$ 0.343 χ^2 /NDF: 5915223.0/29

All: 1789.144 $\pm$ 0.244 χ^2 /NDF: 12003832.5/6

- sign 1802.314 $\pm$ 0.347 χ^2 /NDF: 6085749.4/30

diff_bpm1p03aY_mean vs Slug



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

Left Out: -1.123 ± 0.716 χ^2/NDF : 13.7/12

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

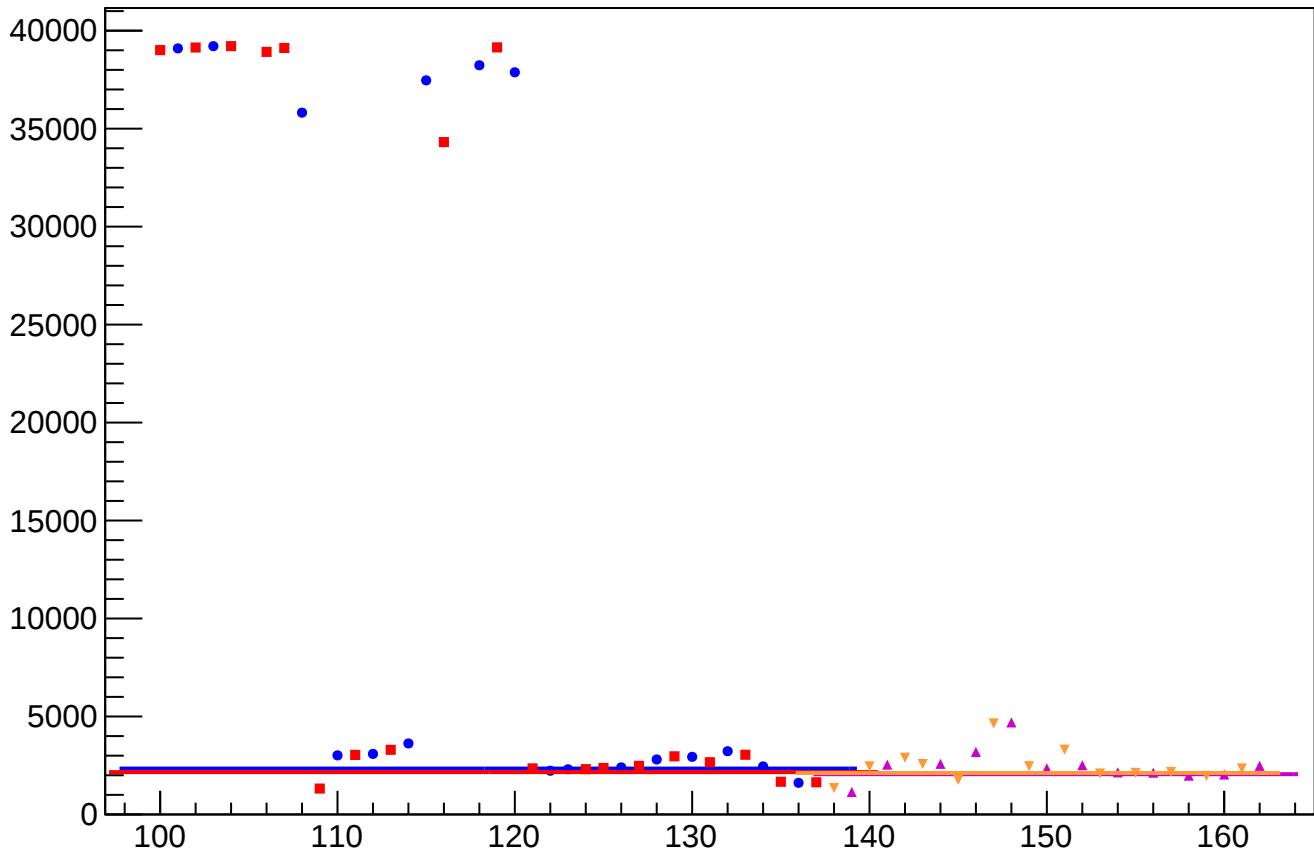
Left In: -0.093 ± 0.701 χ^2/NDF : 6.5/11

+ sign -0.362 ± 0.607 χ^2/NDF : 38.1/29

All: -0.448 ± 0.421 χ^2/NDF : 70.9/60

- sign -0.527 ± 0.585 χ^2/NDF : 32.8/30

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2115.653+/-0.506 χ^2/NDF : 1280607.3/12

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

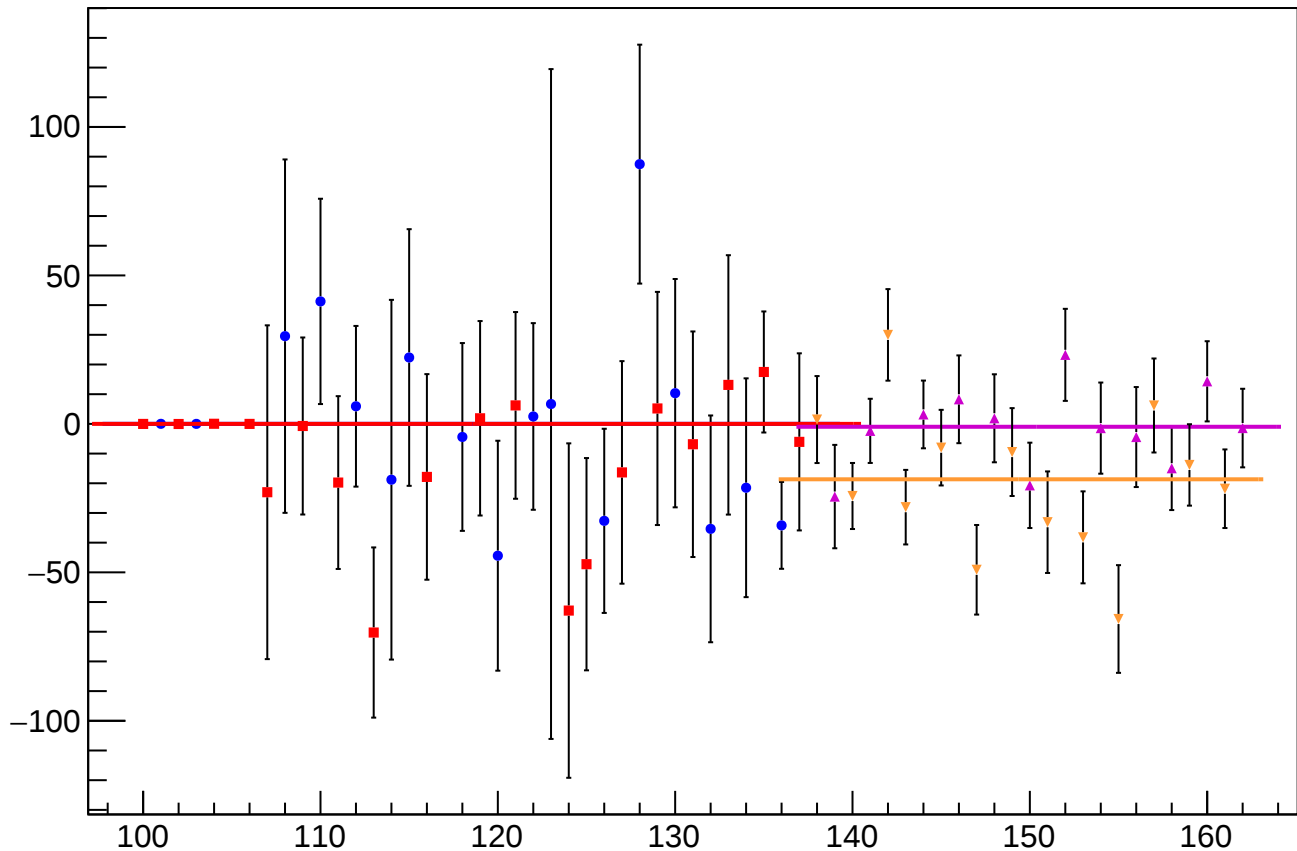
Left In: 2055.168+/-0.495 χ^2/NDF : 1794578.7/11

+ sign 2179.210+/-0.429 χ^2/NDF : 6343367.0/29

All: 2131.569+/-0.298 χ^2/NDF : 13474652.7/6

- sign 2087.309+/-0.414 χ^2/NDF : 7107506.1/30

diff_cav4bX_mean vs Slug



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

Left Out: -18.662 ± 3.951 χ^2/NDF : 29.5/12

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

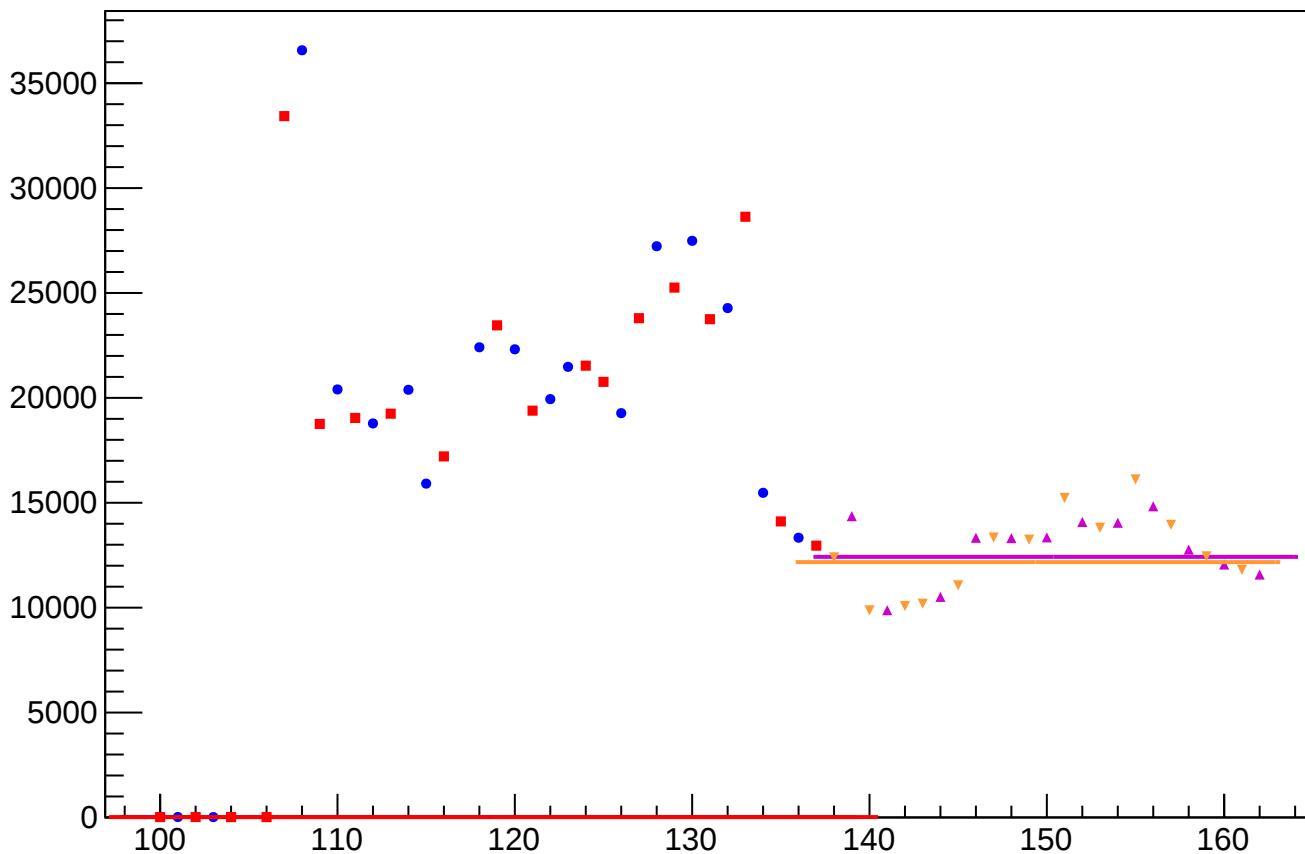
Left In: -0.971 ± 4.026 χ^2/NDF : 9.0/11

+ sign 0.013 ± 0.017 χ^2/NDF : 68.0/29

All: 0.008 ± 0.012 χ^2/NDF : 93.2/60

- sign 0.003 ± 0.016 χ^2/NDF : 25.0/30

diff_cav4bX_rms vs Slug



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

Left Out: 12171.395 $\pm$ 2.794 χ^2 /NDF: 418784.8/12

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

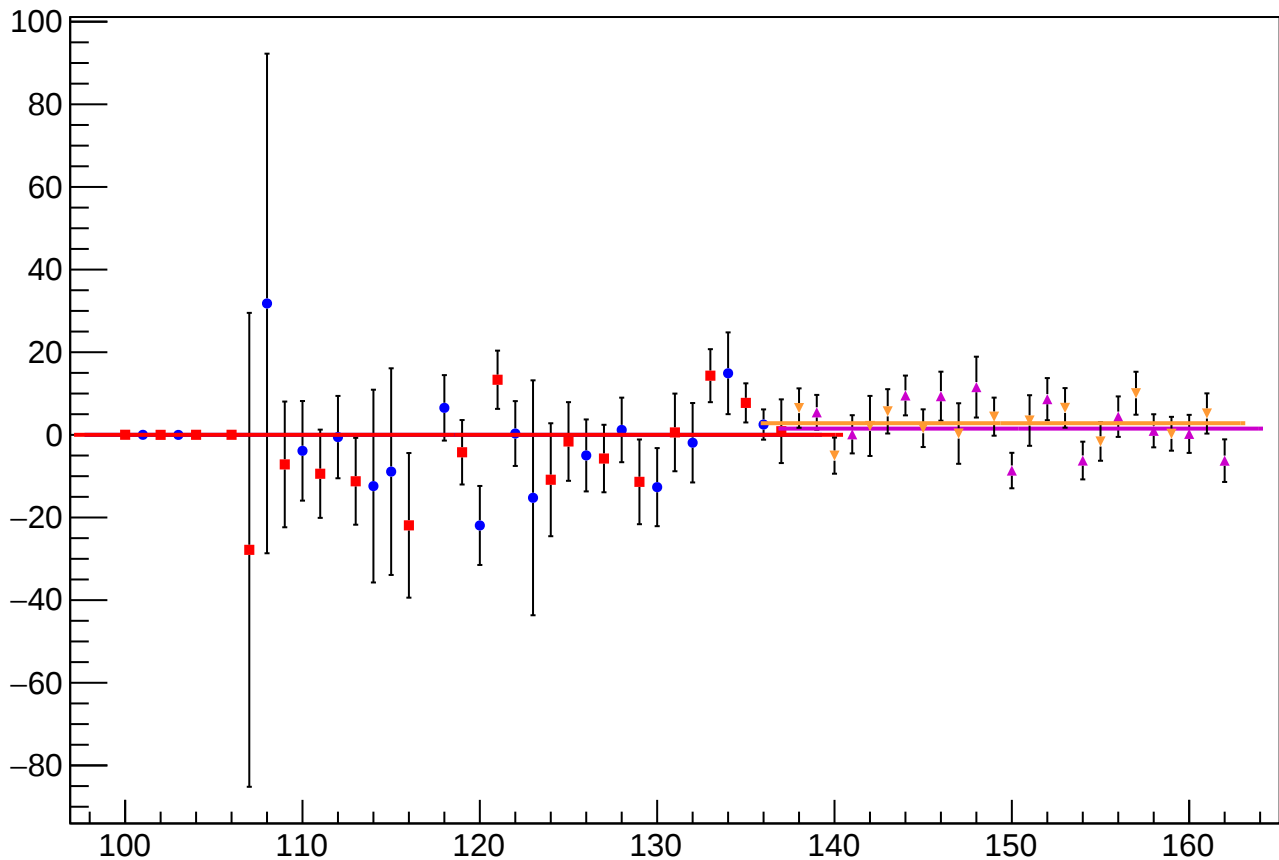
Left In: 12421.345 $\pm$ 2.847 χ^2 /NDF: 311894.2/11

+ sign 18.876 $\pm$ 0.012 χ^2 /NDF: 30327709.8/29

All: 18.679 $\pm$ 0.008 χ^2 /NDF: 60731962.2/60

- sign 18.509 $\pm$ 0.011 χ^2 /NDF: 30403771.4/30

diff_cav4bY_mean vs Slug



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

Left Out: 2.821 $\pm$ 1.388 χ^2 /NDF:8.5/12

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

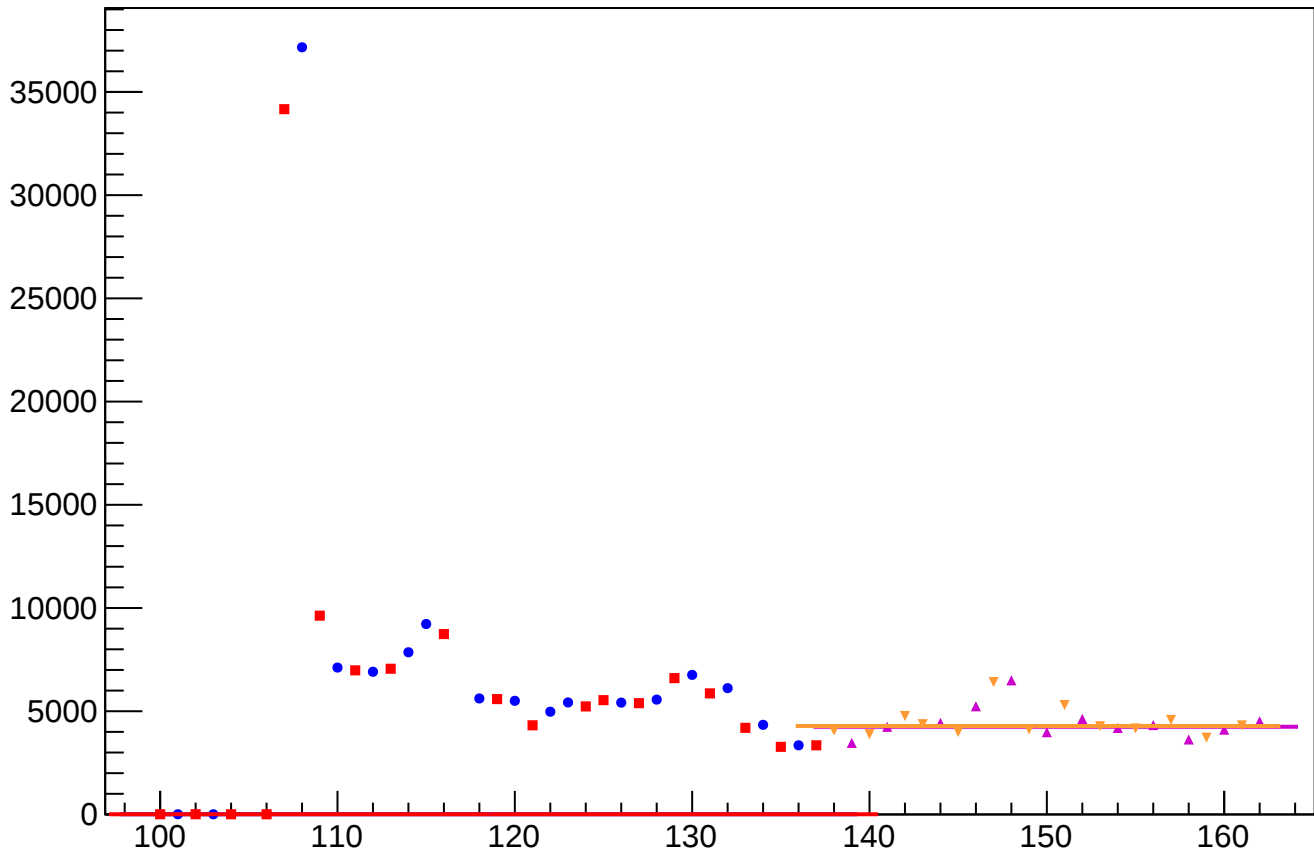
Left In: 1.514 $\pm$ 1.383 χ^2 /NDF:20.5/11

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 25.6/29

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 67.0/60

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 40.2/30

diff_cav4bY_rms vs Slug



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

Left Out: 4283.749+/-0.982 χ^2/NDF :309779.8/12

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

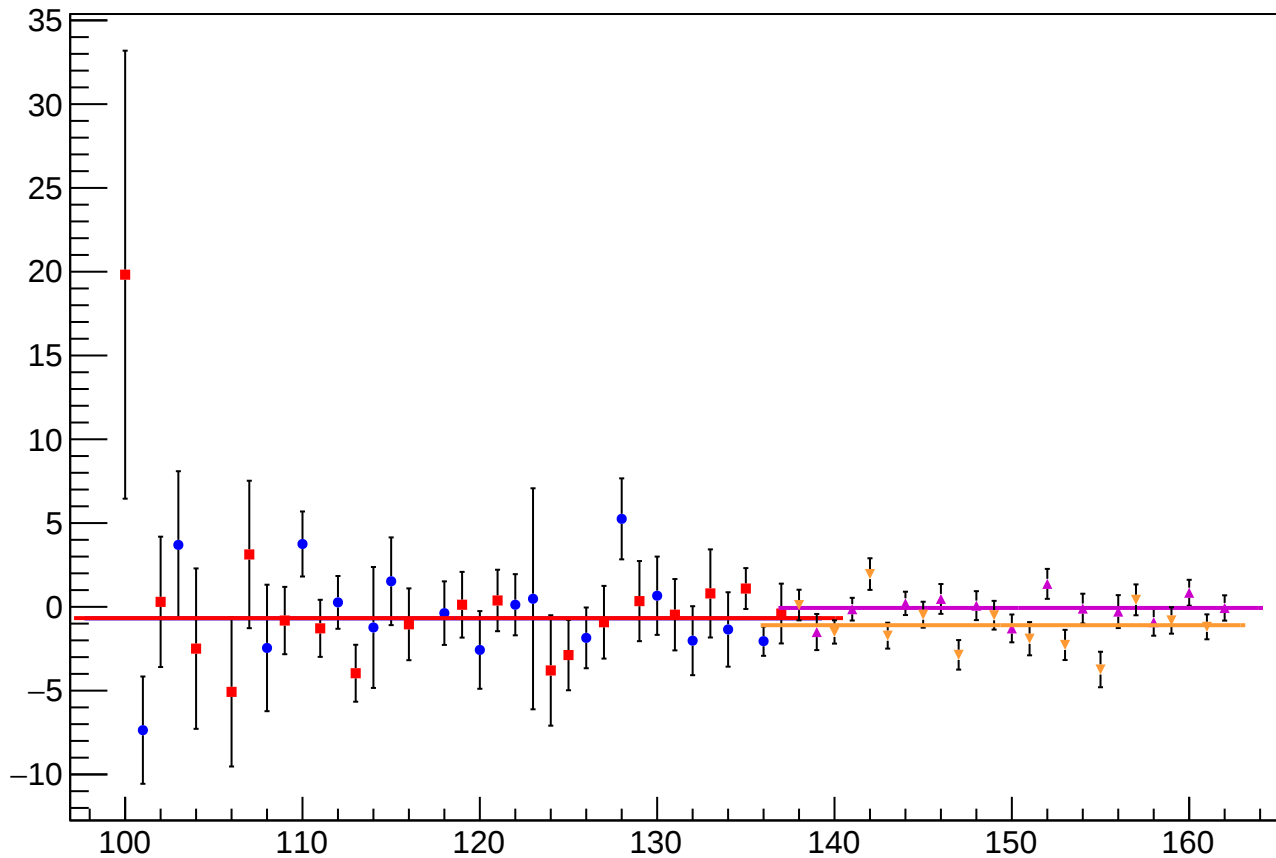
Left In: 4248.131+/-0.978 χ^2/NDF :388135.7/11

+ sign 10.127+/-0.007 χ^2/NDF : 30378278.3/29

All: 10.070+/-0.004 χ^2/NDF : 60700131.1/60

- sign 10.020+/-0.006 χ^2/NDF : 30321710.1/30

diff_cav4cX_mean vs Slug



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

Left Out: -1.095 ± 0.235 χ^2/NDF : 29.8/12

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

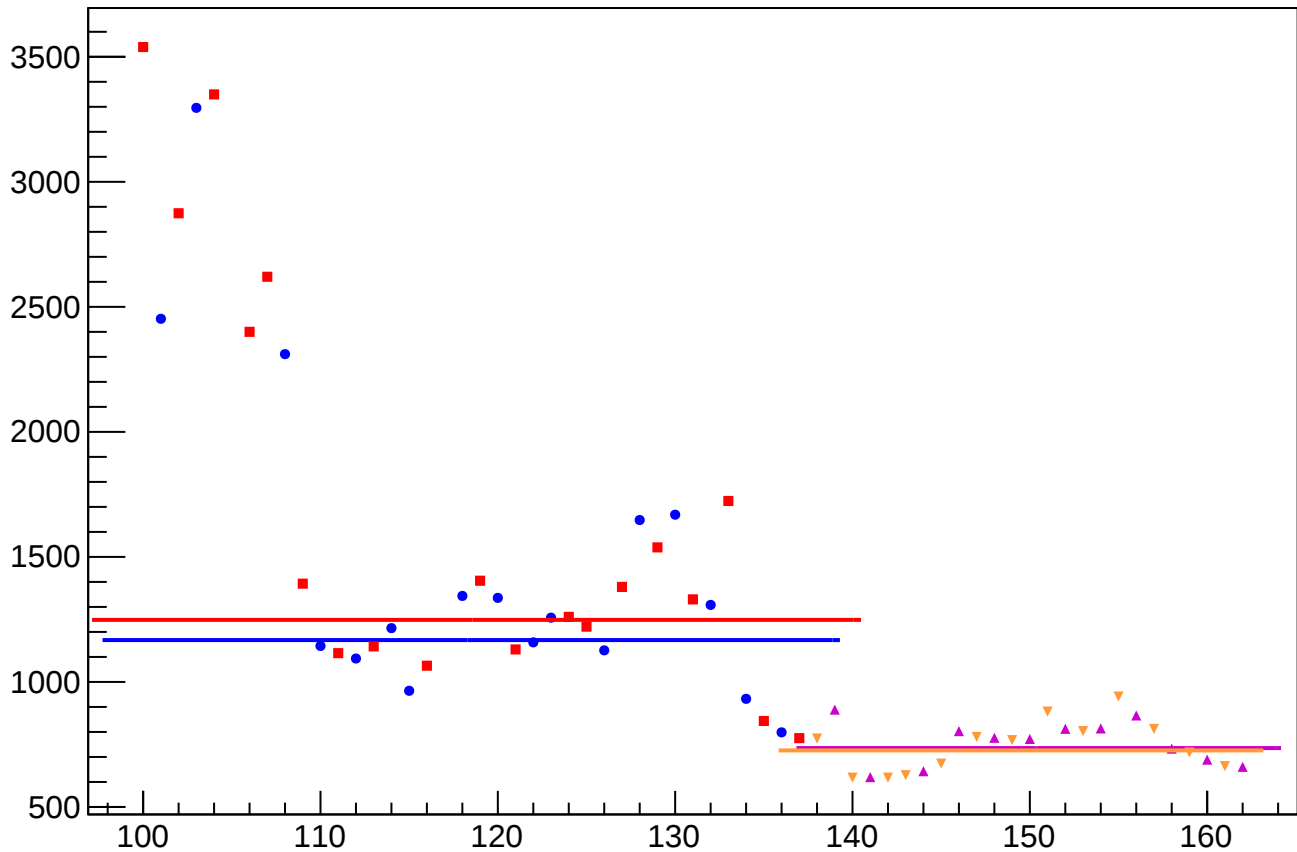
Left In: -0.065 ± 0.238 χ^2/NDF : 9.6/11

+ sign -1.017 ± 0.211 χ^2/NDF : 52.9/29

All: -0.604 ± 0.151 χ^2/NDF : 84.8/60

- sign -0.177 ± 0.215 χ^2/NDF : 24.1/30

diff_cav4cX_rms vs Slug



Right In: 1167.397 ± 0.341 $\chi^2/\text{NDF}: 1578328.1/16$

Left Out: 726.192 ± 0.166 $\chi^2/\text{NDF}: 313980.8/12$

+ sign 810.821 ± 0.149 $\chi^2/\text{NDF}: 3245123.5/29$

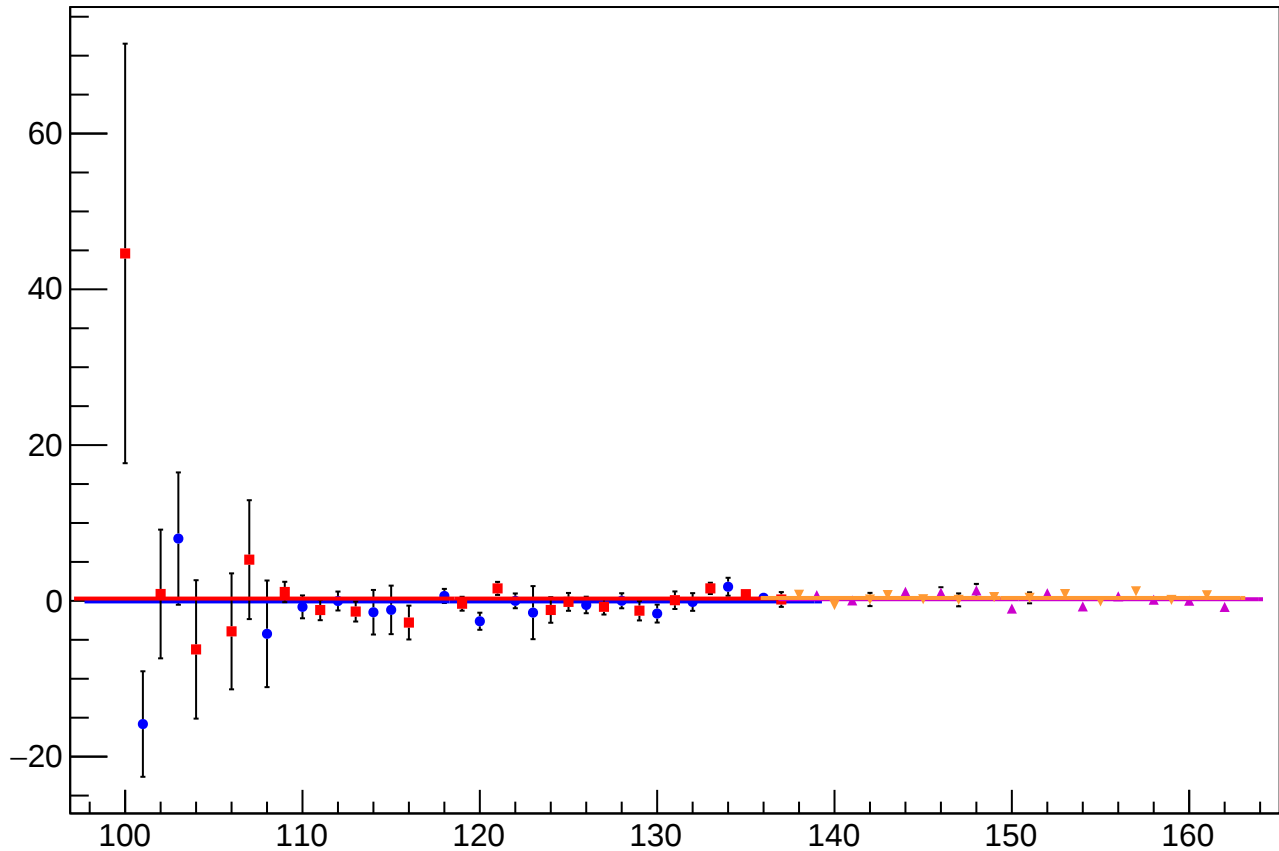
Right Out: 1248.241 ± 0.354 $\chi^2/\text{NDF}: 1654028.9/18$

All: 820.246 ± 0.107 $\chi^2/\text{NDF}: 6865291.3/60$

Left In: 735.560 ± 0.168 $\chi^2/\text{NDF}: 247291.3/11$

- sign 830.002 ± 0.152 $\chi^2/\text{NDF}: 3612063.3/30$

diff_cav4cY_mean vs Slug



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

Left Out: 0.373 ± 0.166 χ^2/NDF : 8.1/12

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

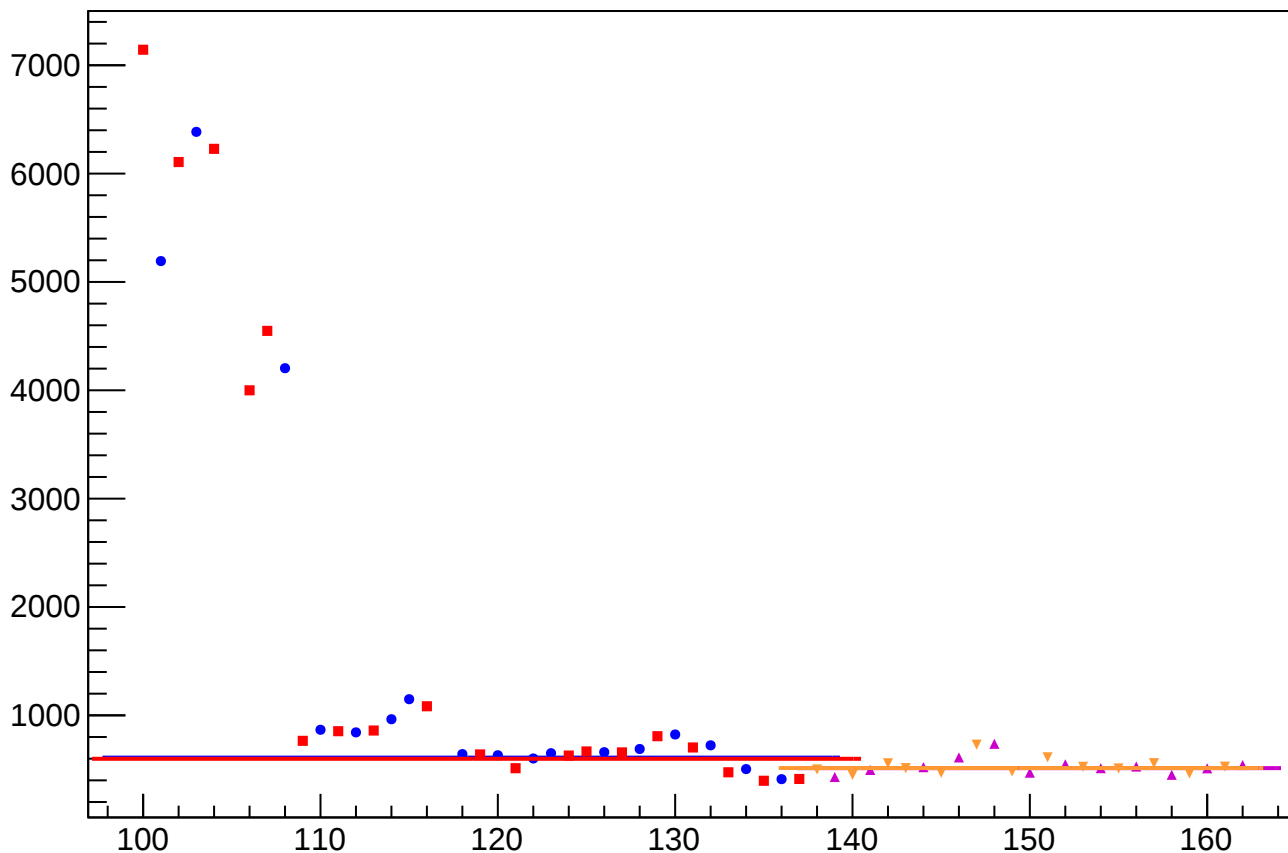
Left In: 0.210 ± 0.166 χ^2/NDF : 20.4/11

+ sign 0.250 ± 0.141 χ^2/NDF : 29.3/29

All: 0.242 ± 0.100 χ^2/NDF : 70.0/60

- sign 0.234 ± 0.141 χ^2/NDF : 40.7/30

diff_cav4cY_rms vs Slug



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

Left Out: 513.598 $\pm$ 0.117 χ^2 /NDF: 262947.5/12

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

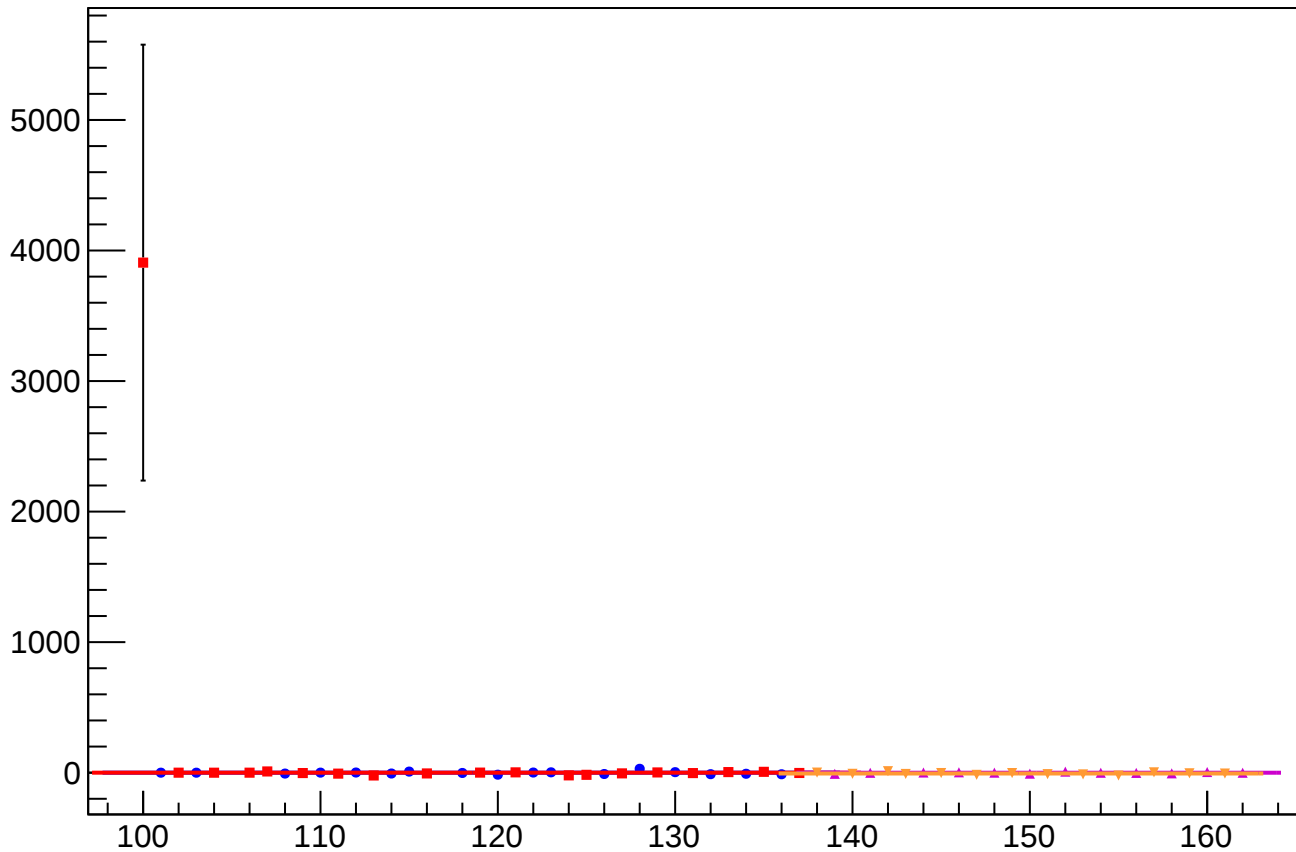
Left In: 512.758 $\pm$ 0.118 χ^2 /NDF: 293841.0/11

+ sign 540.210 $\pm$ 0.100 χ^2 /NDF: 3584446.0/29

All: 538.757 $\pm$ 0.071 χ^2 /NDF: 7583940.0/60

- sign 537.313 $\pm$ 0.100 χ^2 /NDF: 3999071.9/30

diff_cav4dX_mean vs Slug



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

Left Out: -6.287 ± 1.367 χ^2/NDF : 29.8/12

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

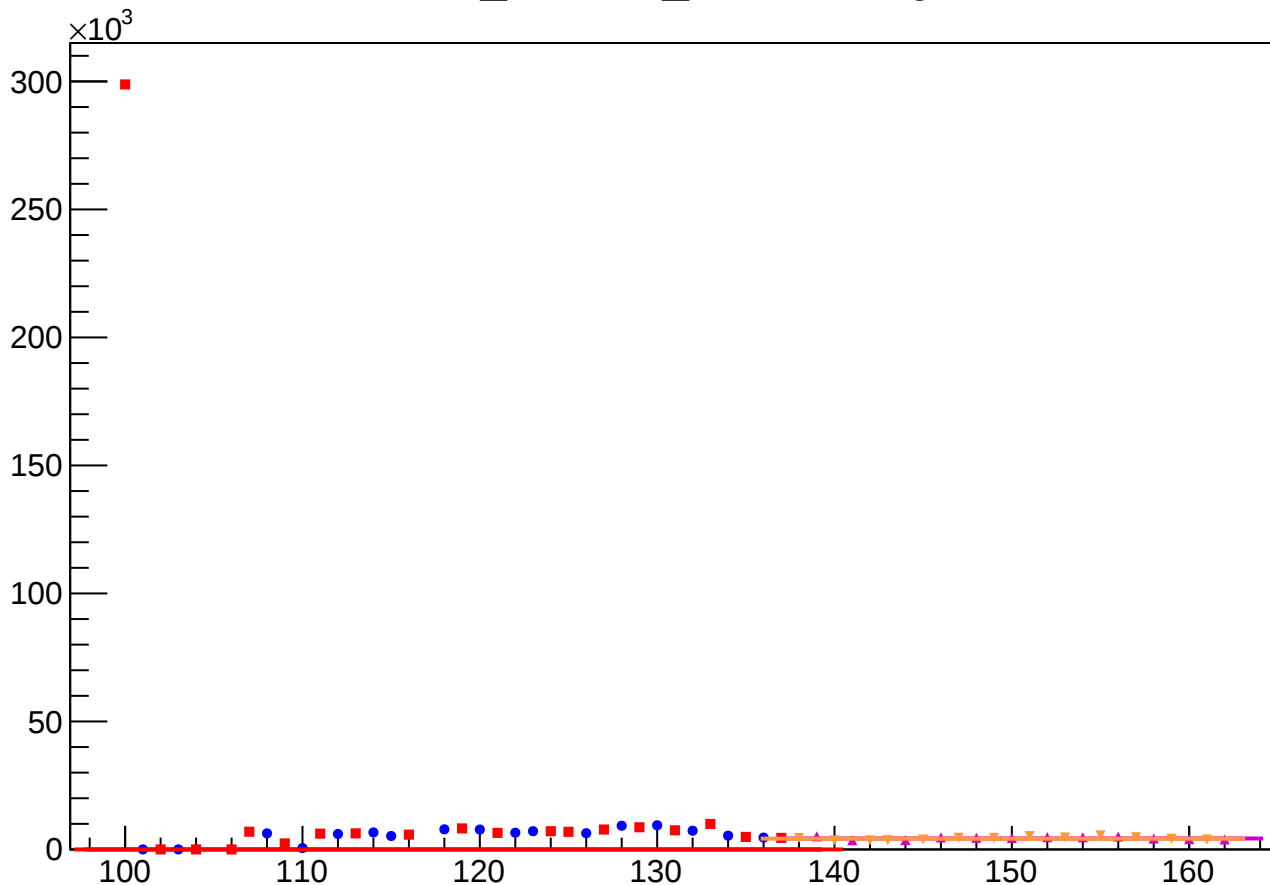
Left In: -0.351 ± 1.388 χ^2/NDF : 9.5/11

+ sign -0.023 ± 0.021 χ^2/NDF : 66.4/29

All: -0.025 ± 0.014 χ^2/NDF : 93.9/60

- sign -0.027 ± 0.020 χ^2/NDF : 27.5/30

diff_cav4dX_rms vs Slug



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

Left Out: 4223.046 $\pm$ 0.967 χ^2 /NDF: 333390.4/12

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

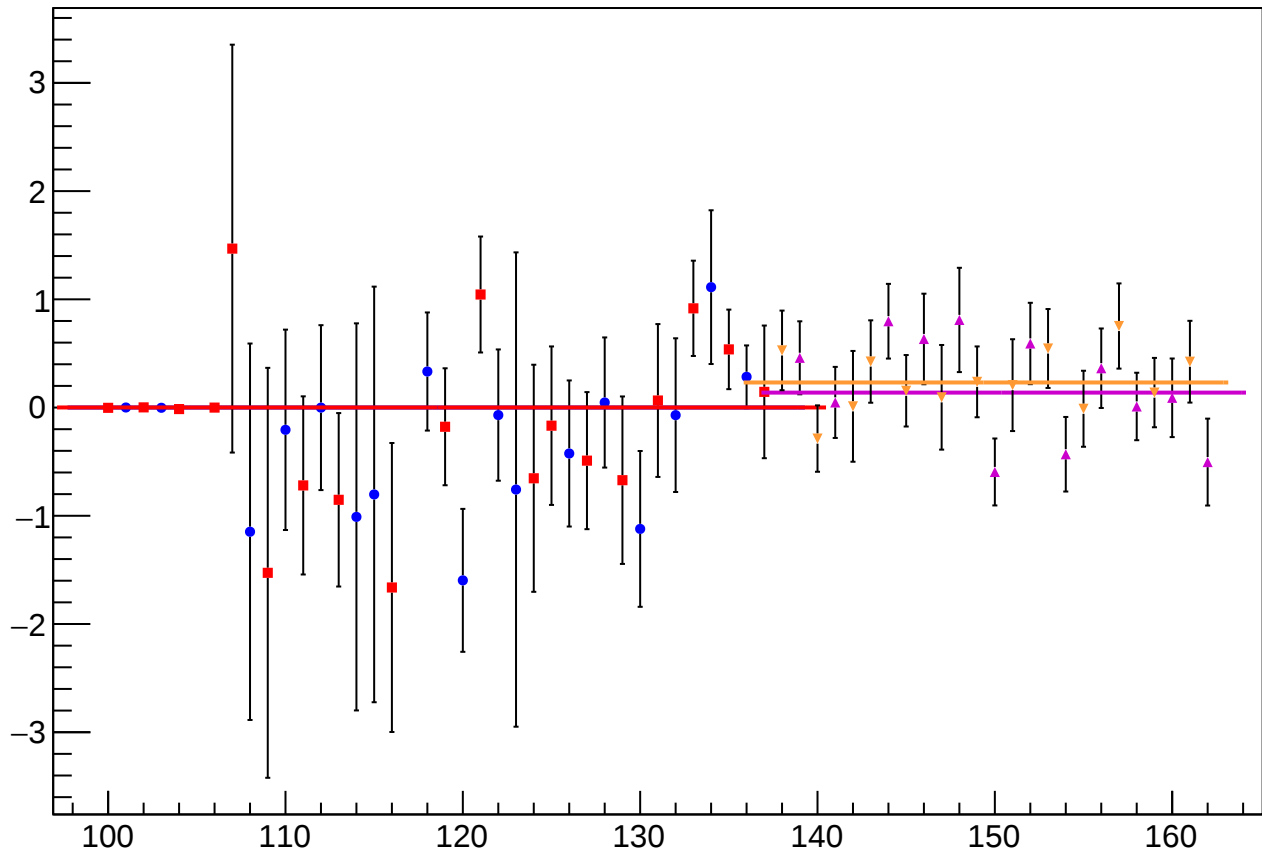
Left In: 4291.806 $\pm$ 0.982 χ^2 /NDF: 253133.6/11

+ sign 18.313 $\pm$ 0.015 χ^2 /NDF: 29758240.0/29

All: 18.220 $\pm$ 0.010 χ^2 /NDF: 59785106.3/60

- sign 18.136 $\pm$ 0.014 χ^2 /NDF: 30026789.6/30

diff_cav4dY_mean vs Slug



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

Left Out: 0.232 ± 0.102 χ^2/NDF : 7.4/12

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

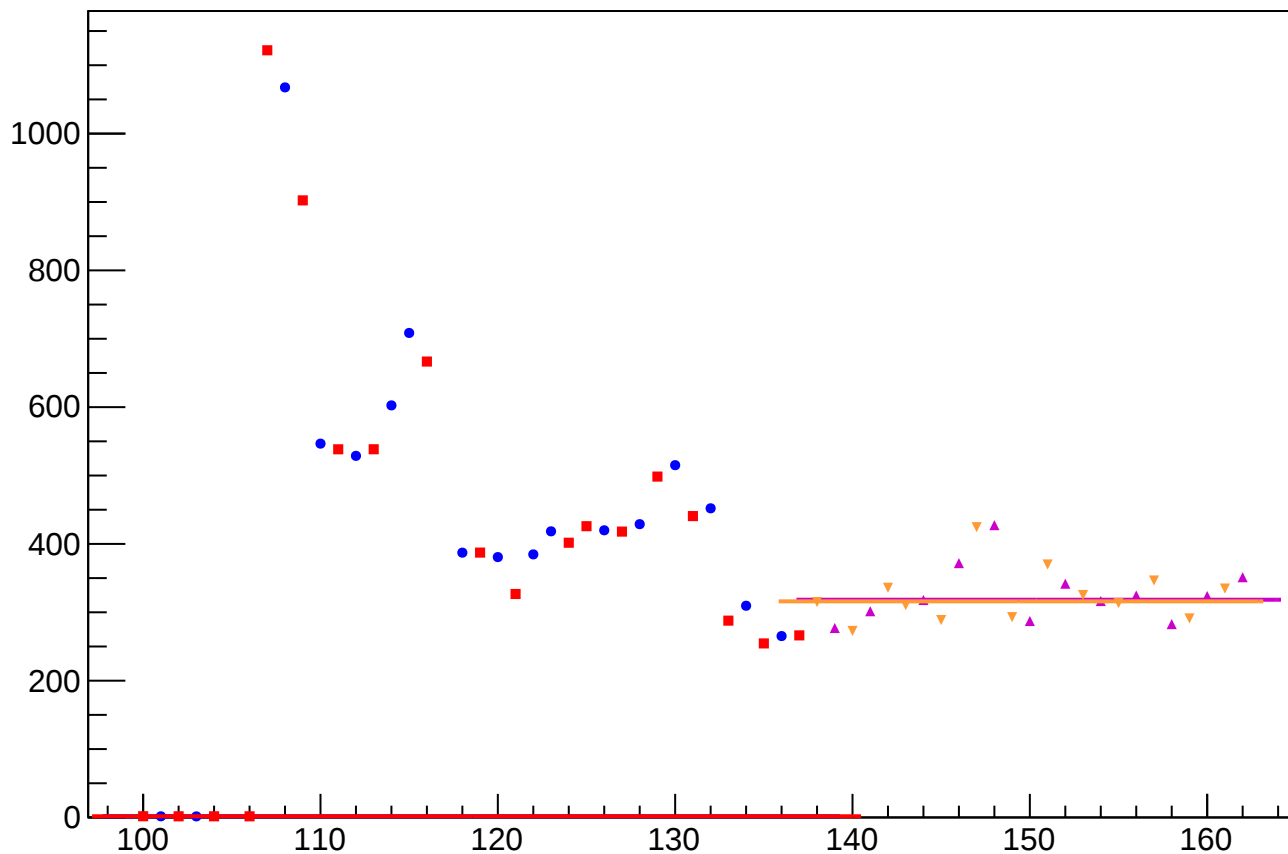
Left In: 0.138 ± 0.103 χ^2/NDF : 20.9/11

+ sign 0.000 ± 0.002 χ^2/NDF : 26.3/29

All: 0.001 ± 0.001 χ^2/NDF : 67.0/60

- sign 0.001 ± 0.002 χ^2/NDF : 40.6/30

diff_cav4dY_rms vs Slug



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

Left Out: 316.015+/-0.072 χ^2/NDF : 230338.4/12

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

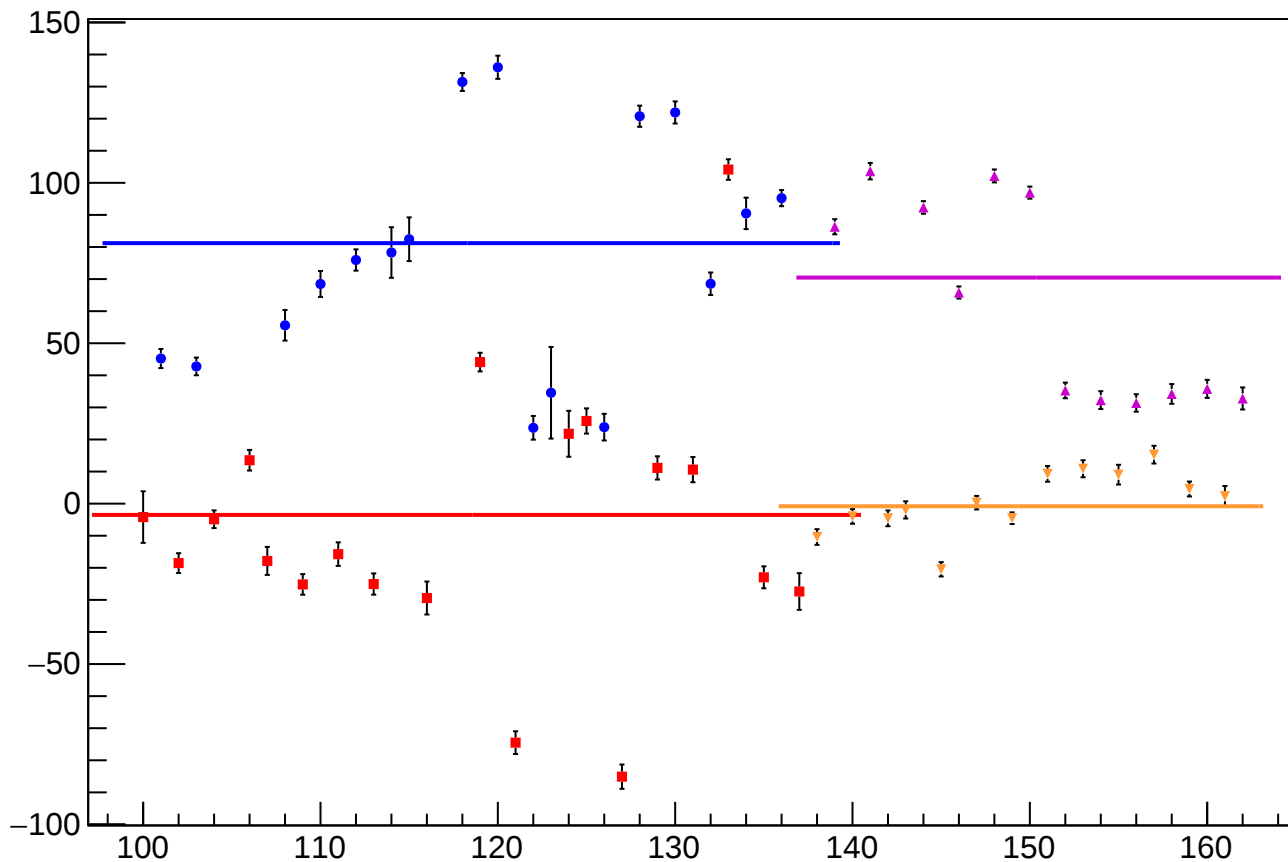
Left In: 318.401+/-0.073 χ^2/NDF : 239138.7/11

+ sign 1.823+/-0.001 χ^2/NDF : 30227358.7/29

All: 1.832+/-0.001 χ^2/NDF : 60040636.5/60

- sign 1.840+/-0.001 χ^2/NDF : 29813200.8/30

diff_bpm0i01X_mean vs Slug



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

Left Out: -0.814 $\pm$ 0.671 χ^2 /NDF: 188.5/12

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

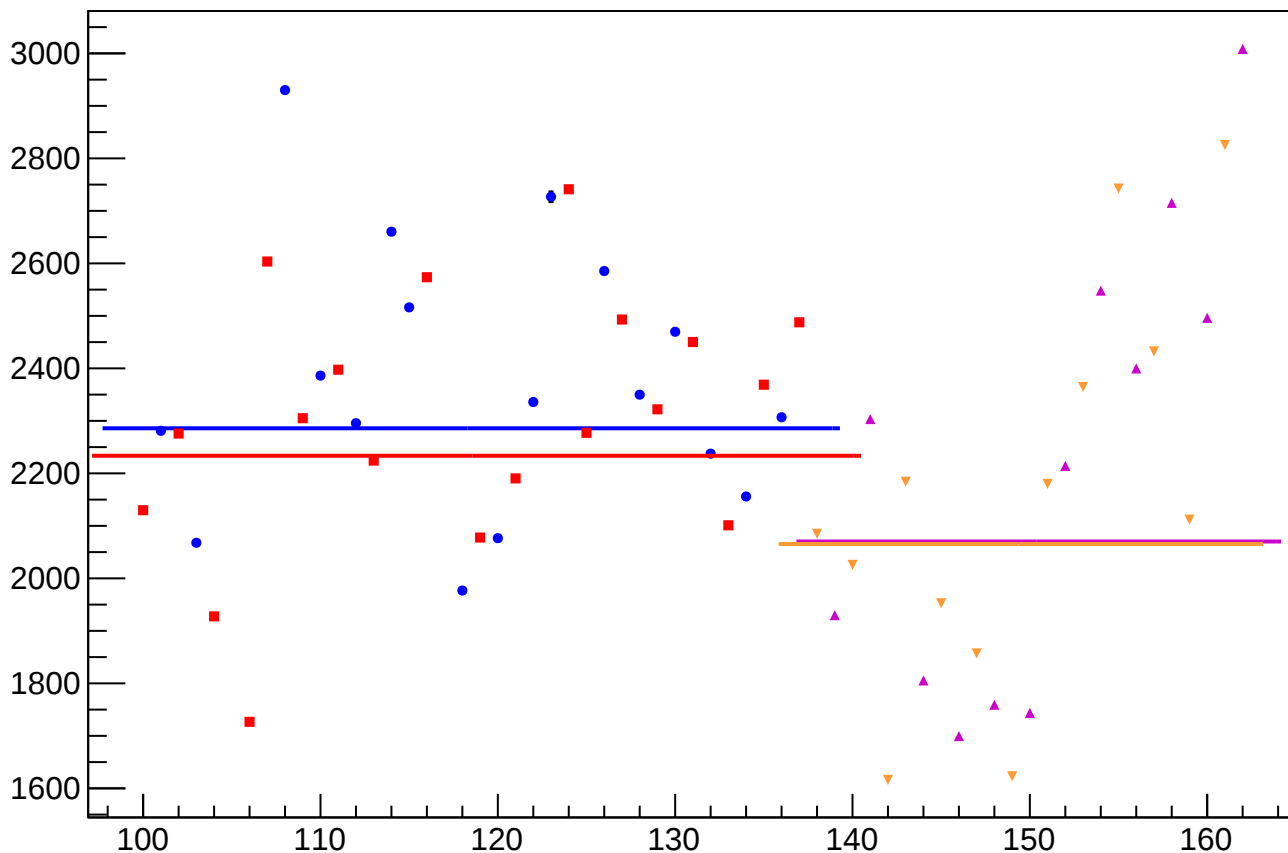
Left In: 70.469 $\pm$ 0.682 χ^2 /NDF: 1801.3/11

+ sign 29.096 $\pm$ 0.535 χ^2 /NDF: 7345.9/29

All: 35.198 $\pm$ 0.376 χ^2 /NDF: 16662.7/60

- sign 41.190 $\pm$ 0.530 χ^2 /NDF: 9058.8/30

diff_bpm0i01X_rms vs Slug



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

Left Out: 2065.536+/-0.475 χ^2/NDF : 492093.0/12

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

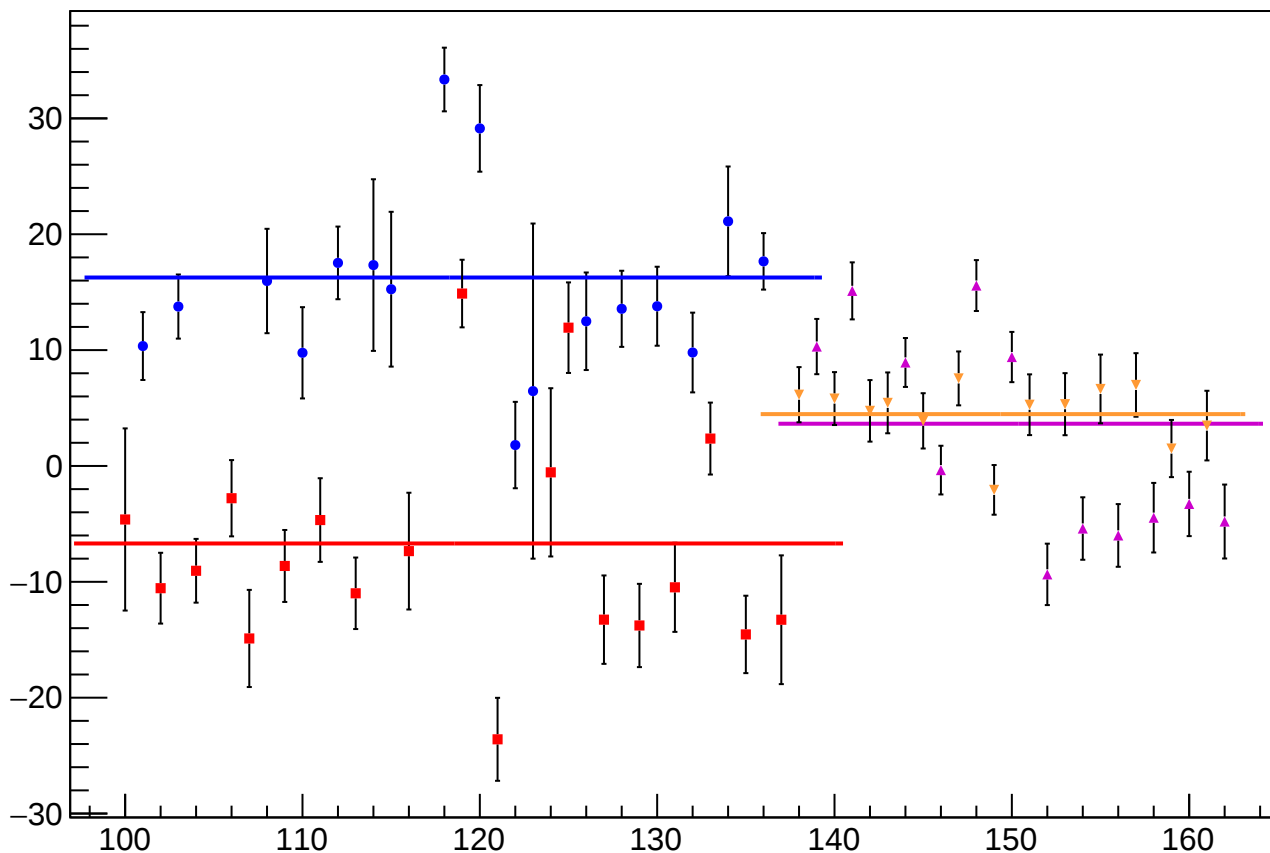
Left In: 2070.194+/-0.482 χ^2/NDF : 623233.3/11

+ sign 2145.885+/-0.378 χ^2/NDF : 680053.5/29

All: 2140.316+/-0.266 χ^2/NDF : 1495992.5/60

- sign 2134.846+/-0.375 χ^2/NDF : 815509.3/30

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.475 ± 0.700 χ^2/NDF : 15.2/12

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

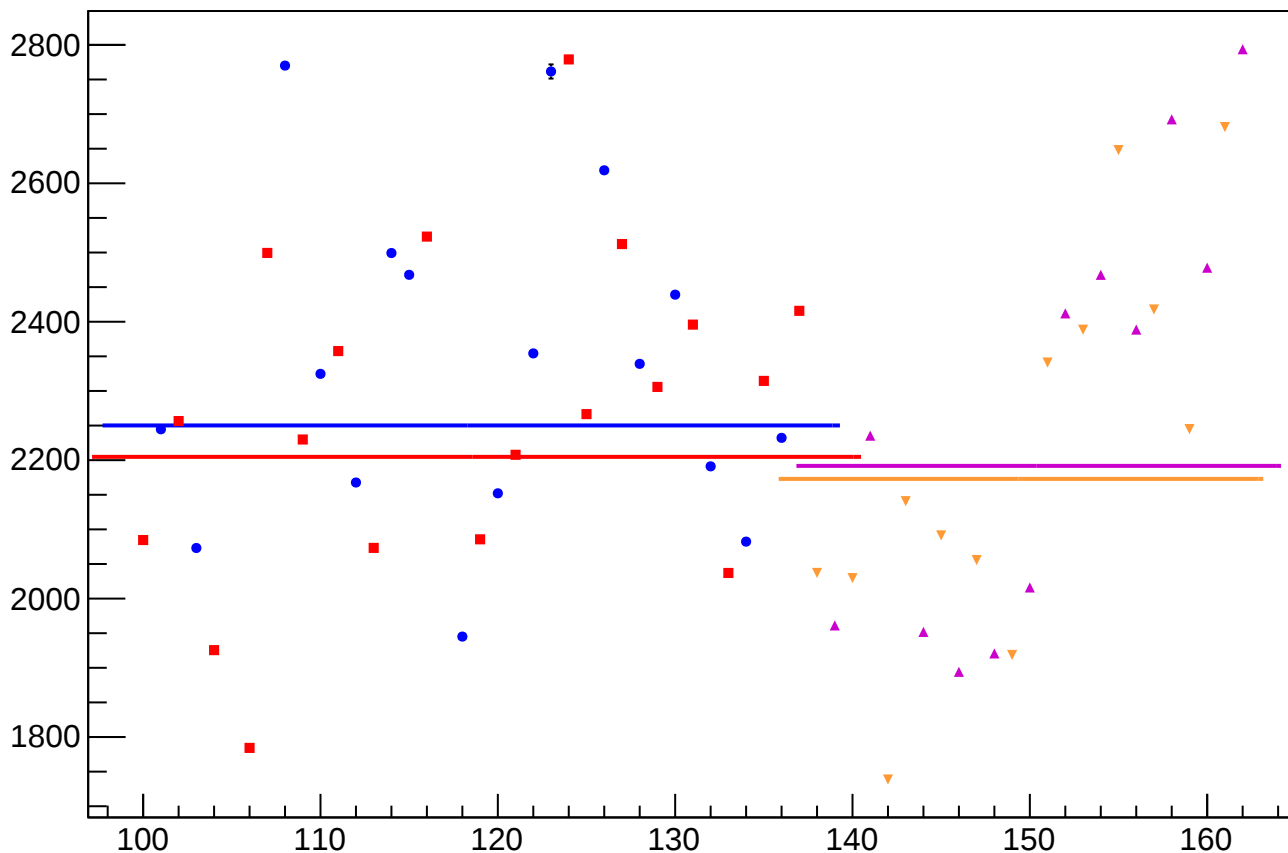
Left In: 3.645 ± 0.713 χ^2/NDF : 144.4/11

+ sign 9.101 ± 0.546 χ^2/NDF : 207.3/29

All: 4.137 ± 0.384 χ^2/NDF : 738.7/60

- sign -0.739 ± 0.541 χ^2/NDF : 367.5/30

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2172.965+/-0.495 χ^2/NDF : 251067.7/12

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

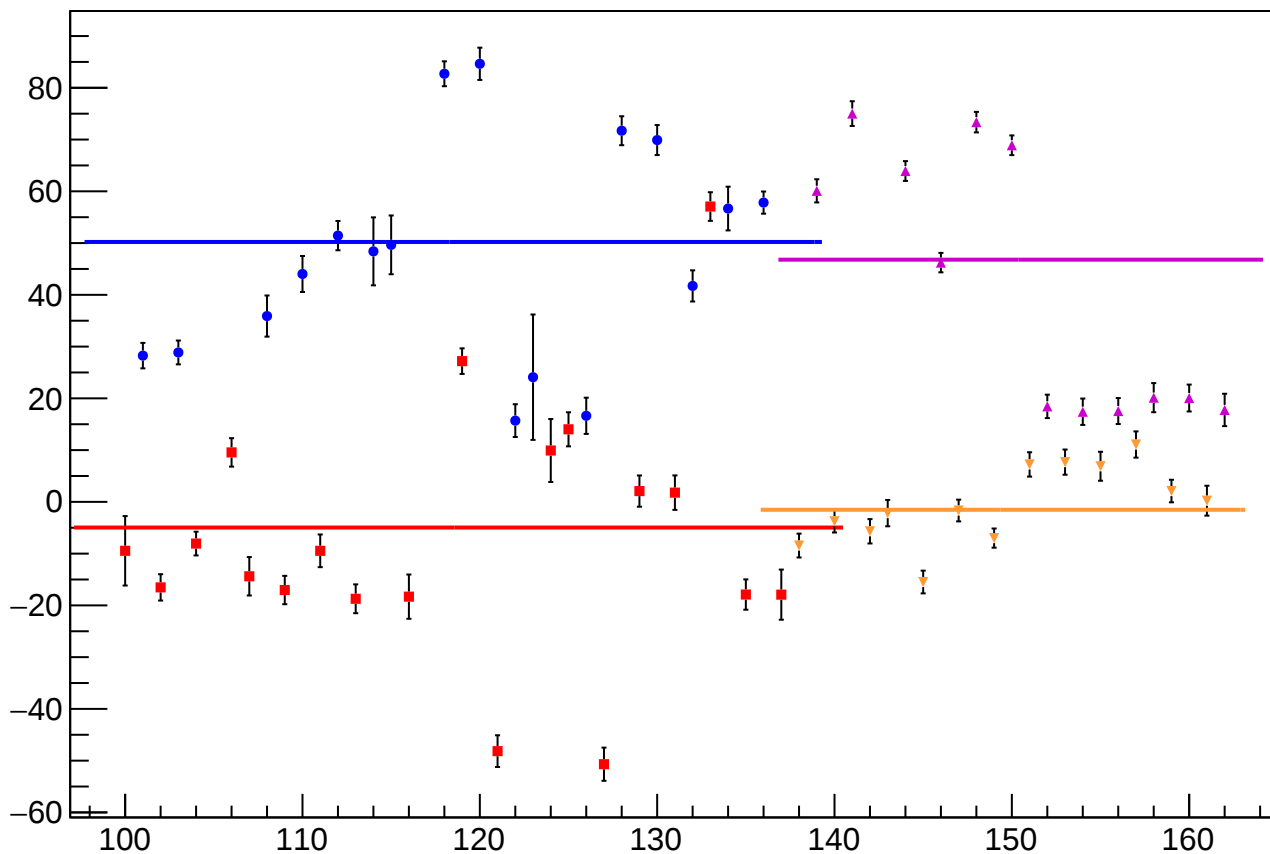
Left In: 2191.743+/-0.504 χ^2/NDF : 322195.2/11

+ sign 2203.256+/-0.386 χ^2/NDF : 358184.8/29

All: 2200.241+/-0.272 χ^2/NDF : 807012.5/60

- sign 2197.277+/-0.383 χ^2/NDF : 448706.6/30

diff_bpm0i01aX_mean vs Slug



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

Left Out: -1.529 $\pm$ 0.642 χ^2 /NDF:127.4/12

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

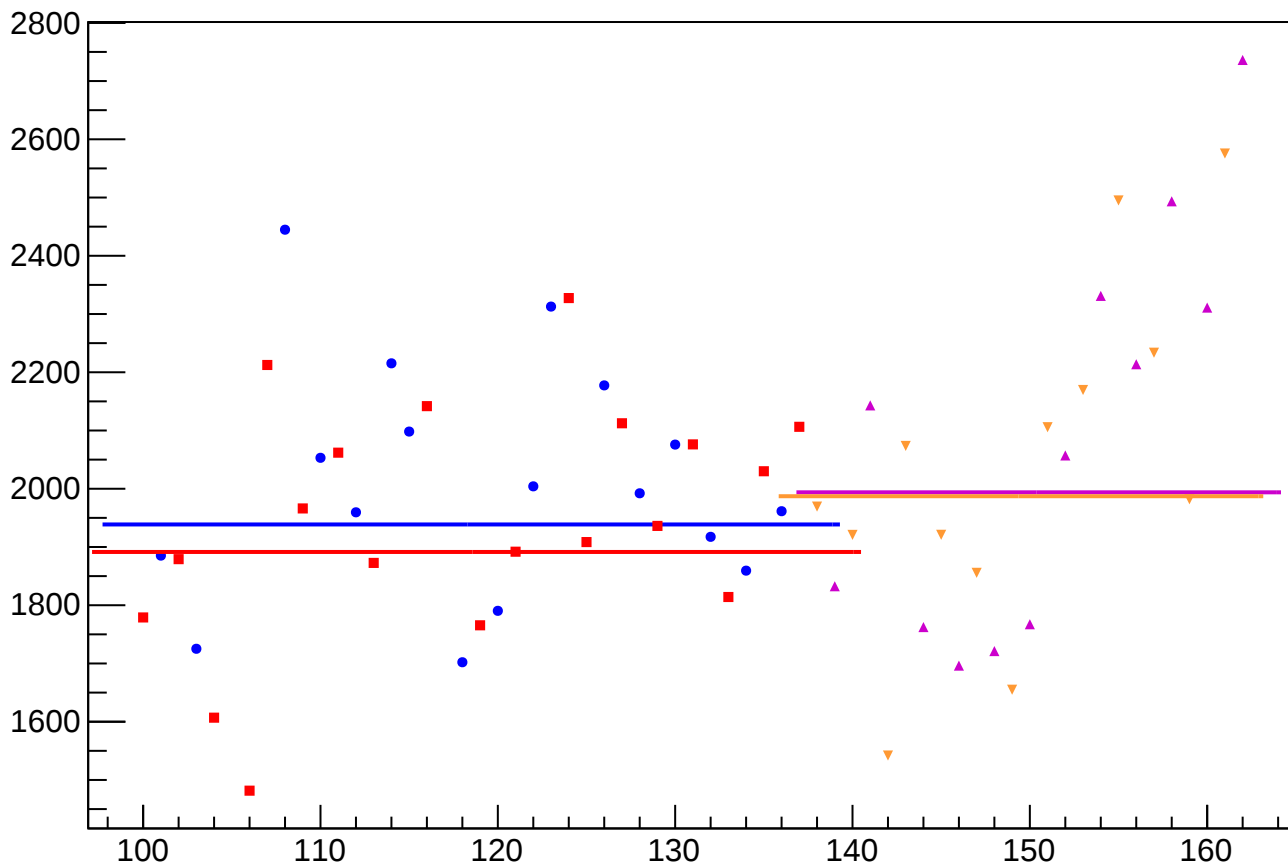
Left In: 46.793 $\pm$ 0.653 χ^2 /NDF:1277.7/11

+ sign 20.339 $\pm$ 0.488 χ^2 /NDF: 3700.3/29

All: 21.794 $\pm$ 0.343 χ^2 /NDF: 9122.5/60

- sign 23.211 $\pm$ 0.482 χ^2 /NDF: 5404.6/30

diff_bpm0i01aX_rms vs Slug



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

Left Out: 1987.160 $\pm$ 0.454 χ^2 /NDF:333990.2/12

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

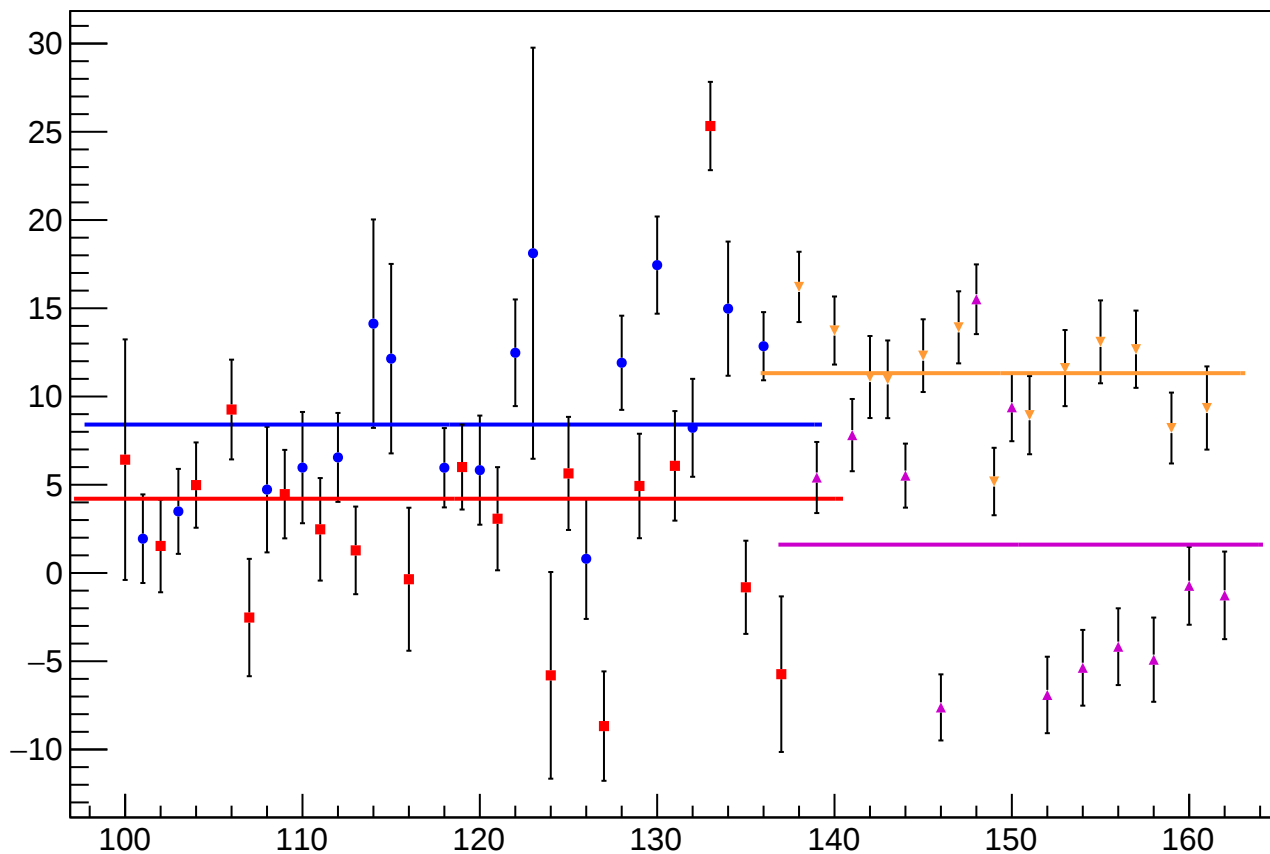
Left In: 1993.864 $\pm$ 0.462 χ^2 /NDF:421316.8/11

+ sign 1966.675 $\pm$ 0.345 χ^2 /NDF: 438946.7/29

All: 1956.809 $\pm$ 0.242 χ^2 /NDF: 1030927.2/60

- sign 1947.204 $\pm$ 0.341 χ^2 /NDF: 590367.6/30

diff_bpm0i01aY_mean vs Slug



Right In: 8.411 $\pm$ 0.711 χ^2 /NDF: 44.6/16

Left Out: 11.323 $\pm$ 0.587 χ^2 /NDF: 25.0/12

Right Out: 4.208 $\pm$ 0.682 χ^2 /NDF: 113.1/18

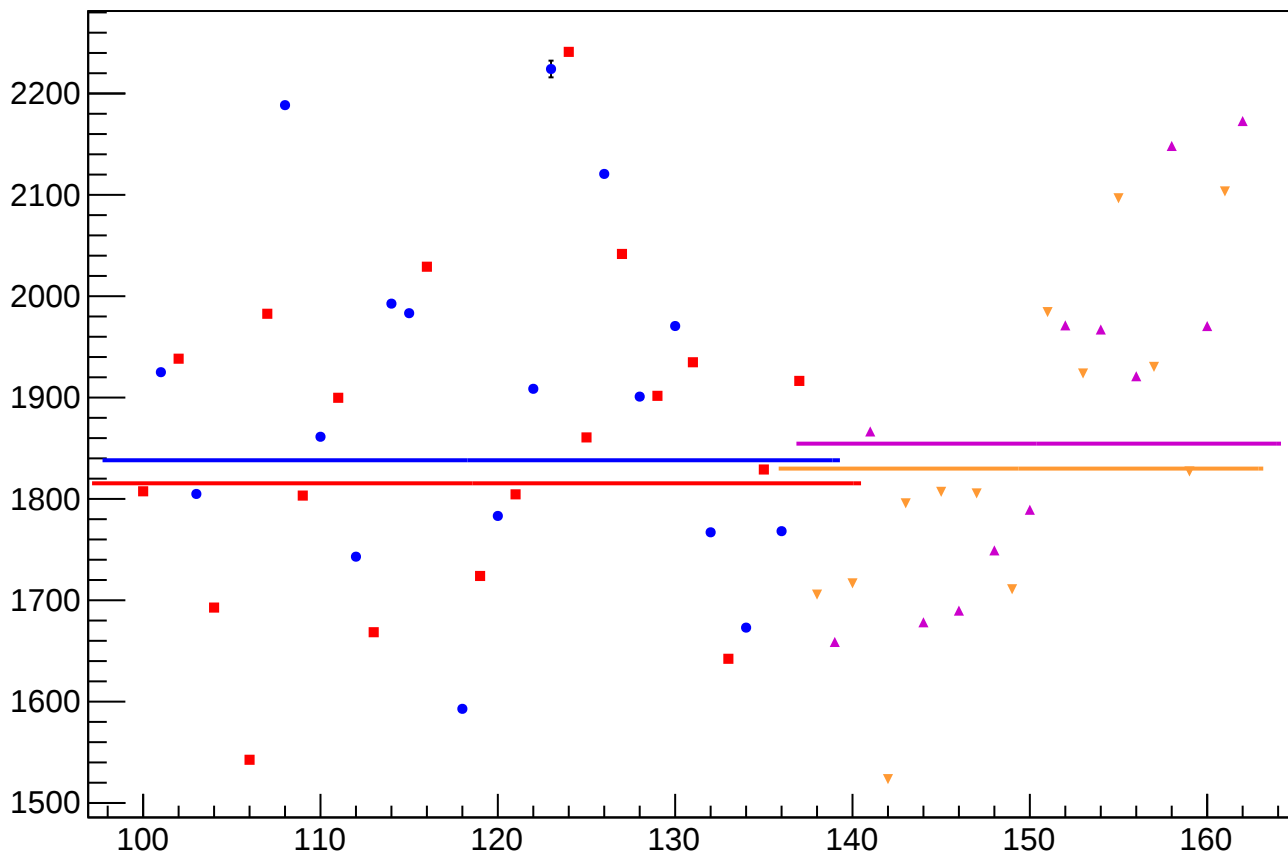
Left In: 1.607 $\pm$ 0.599 χ^2 /NDF: 150.6/11

+ sign 10.142 $\pm$ 0.453 χ^2 /NDF: 79.6/29

All: 6.419 $\pm$ 0.319 χ^2 /NDF: 485.7/60

- sign 2.740 $\pm$ 0.450 χ^2 /NDF: 271.8/30

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1829.927 $\pm$ 0.415 χ^2 /NDF: 128659.8/12

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

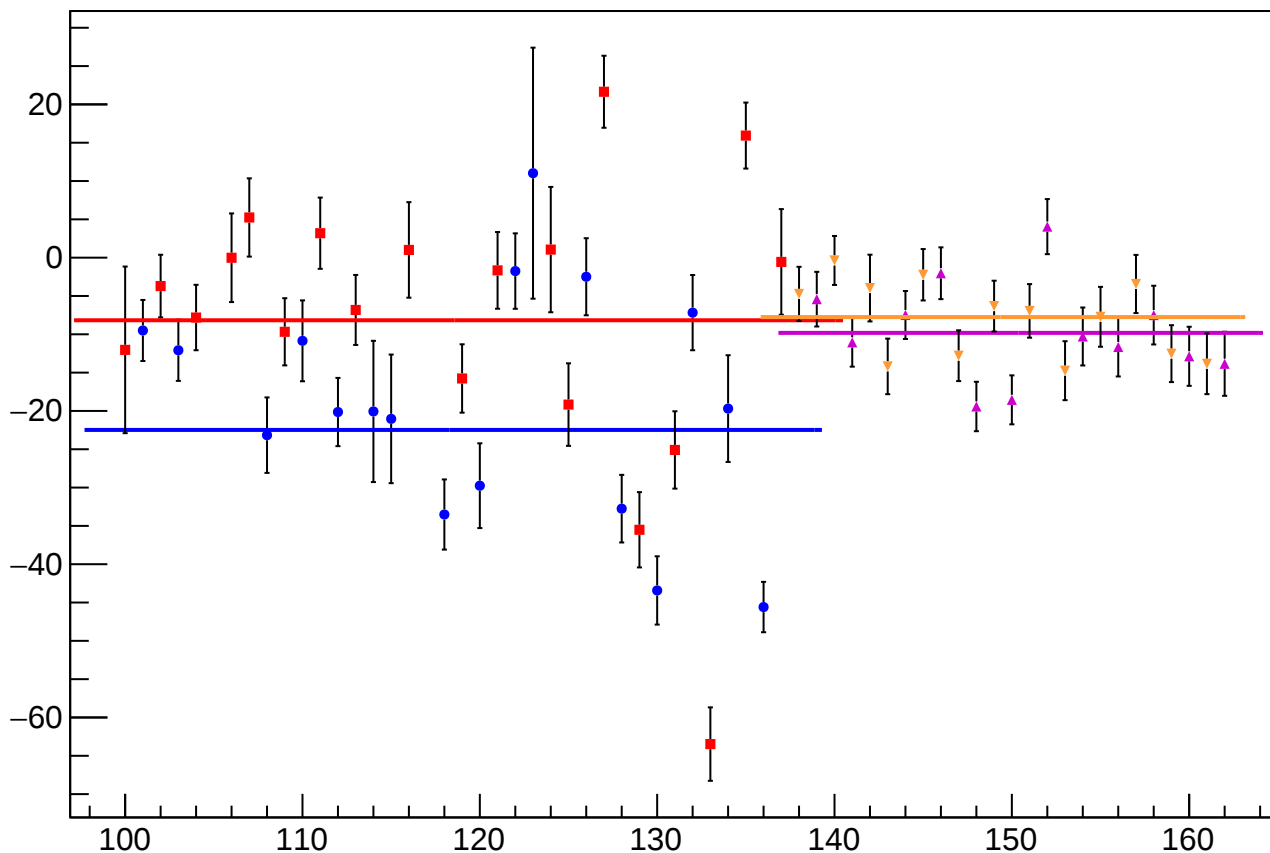
Left In: 1854.535 $\pm$ 0.424 χ^2 /NDF: 143168.7/11

+ sign 1833.259 $\pm$ 0.320 χ^2 /NDF: 211697.3/29

All: 1835.390 $\pm$ 0.226 χ^2 /NDF: 446086.6/60

- sign 1837.498 $\pm$ 0.318 χ^2 /NDF: 234301.2/30

diff_bpm0l01X_mean vs Slug



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

Left Out: -7.754 ± 1.001 χ^2/NDF : 23.9/12

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

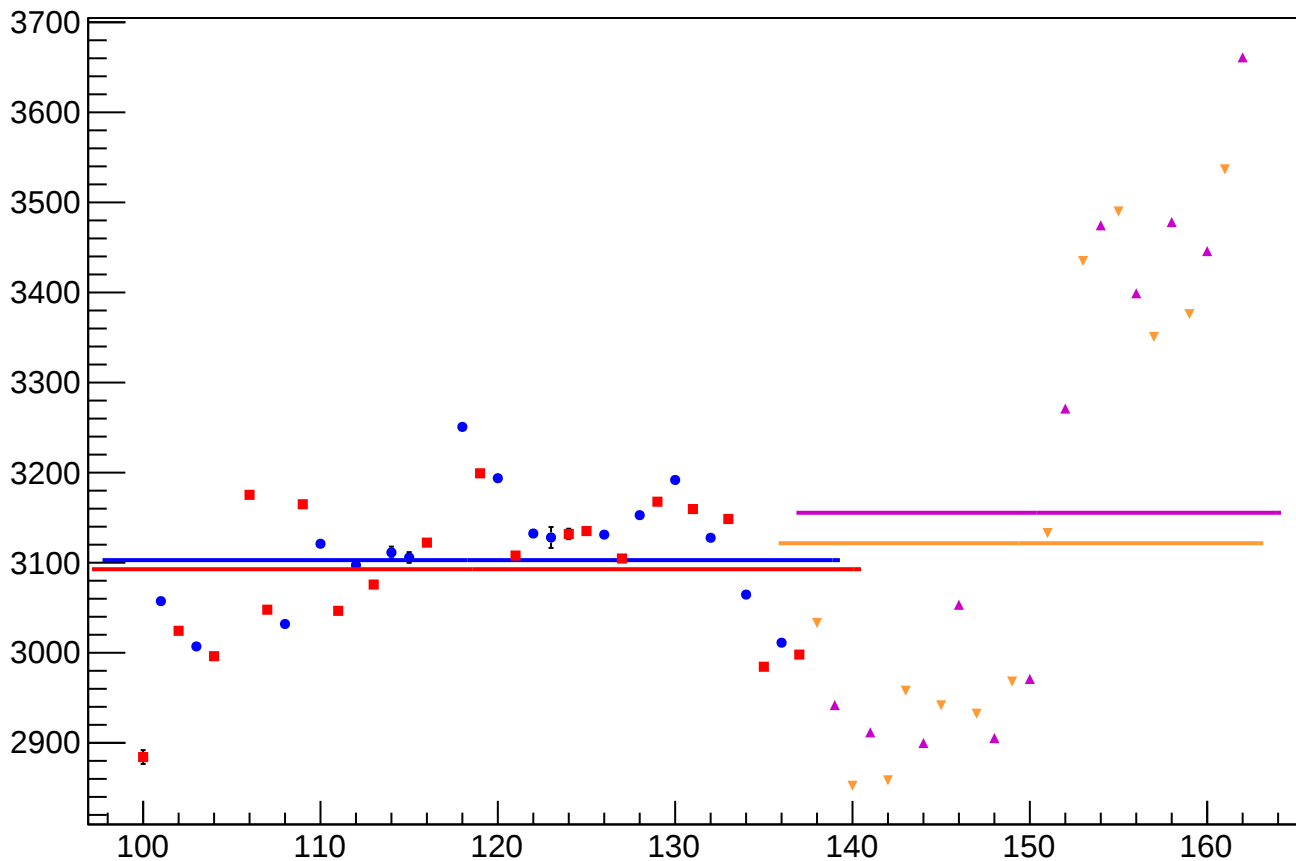
Left In: -9.814 ± 1.016 χ^2/NDF : 40.9/11

+ sign -13.825 ± 0.767 χ^2/NDF : 267.8/29

All: -11.449 ± 0.541 χ^2/NDF : 605.9/60

- sign -9.098 ± 0.763 χ^2/NDF : 319.0/30

diff_bpm0l01X_rms vs Slug



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

Left Out: 3121.614 $\pm$ 0.708 χ^2 /NDF:113109.2/12

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

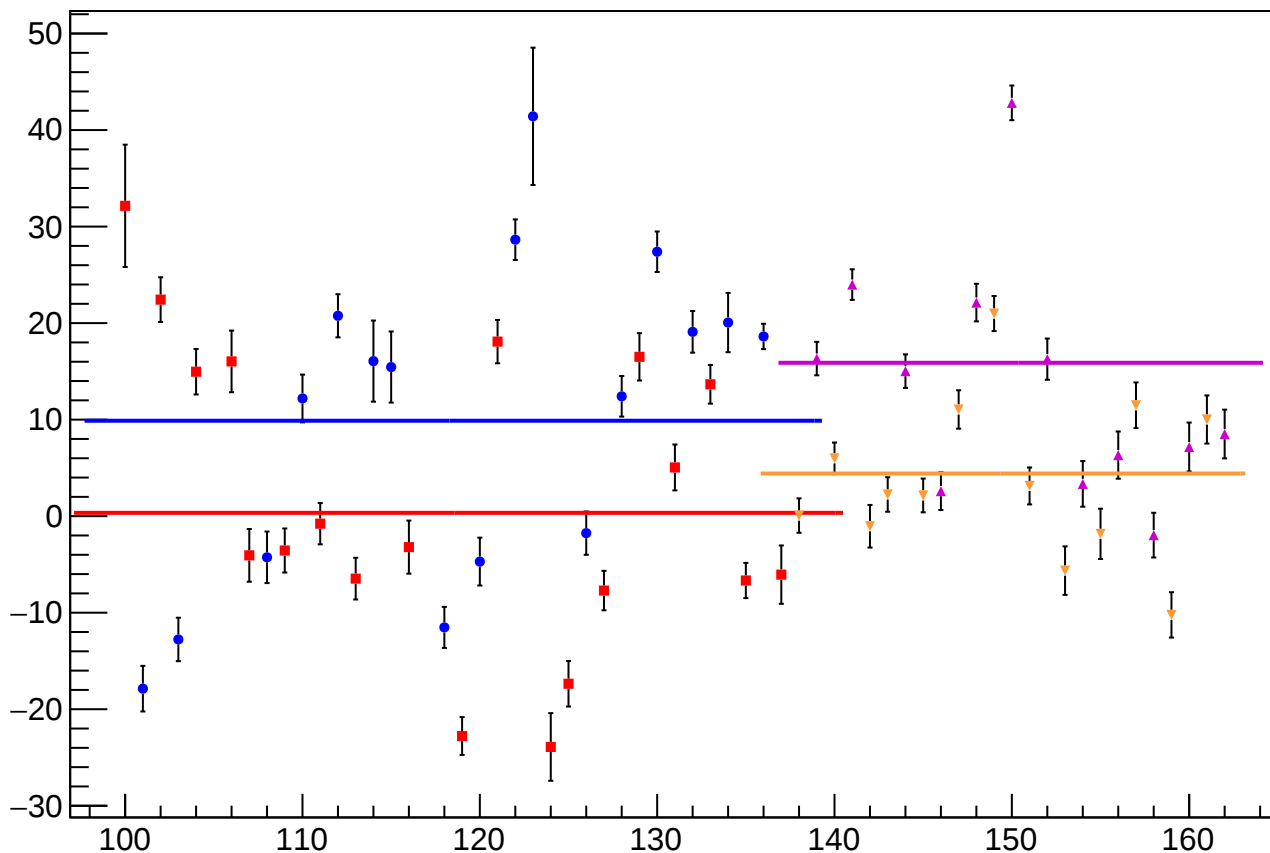
Left In: 3155.453 $\pm$ 0.718 χ^2 /NDF:132045.1/11

+ sign 3113.875 $\pm$ 0.542 χ^2 /NDF: 120744.2/29

All: 3121.063 $\pm$ 0.383 χ^2 /NDF: 264216.8/60

- sign 3128.174 $\pm$ 0.540 χ^2 /NDF: 143123.3/30

diff_bpm0l01Y_mean vs Slug



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

Left Out: 4.421 ± 0.560 χ^2/NDF : 185.6/12

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

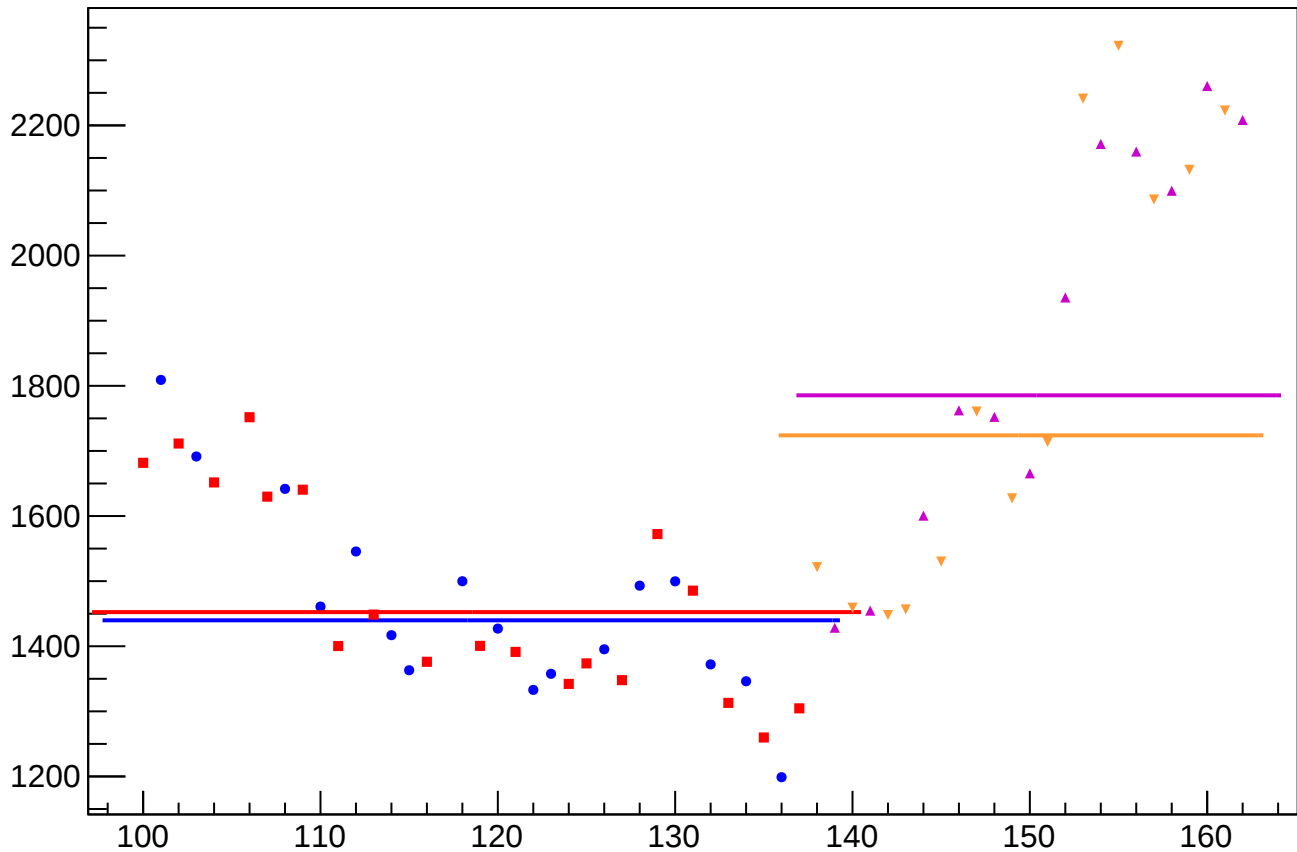
Left In: 15.891 ± 0.581 χ^2/NDF : 431.2/11

+ sign 7.157 ± 0.396 χ^2/NDF : 936.9/29

All: 7.401 ± 0.281 χ^2/NDF : 2377.2/60

- sign 7.648 ± 0.398 χ^2/NDF : 1439.6/30

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1723.936 $\pm$ 0.396 χ^2 /NDF: 562485.7/12

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

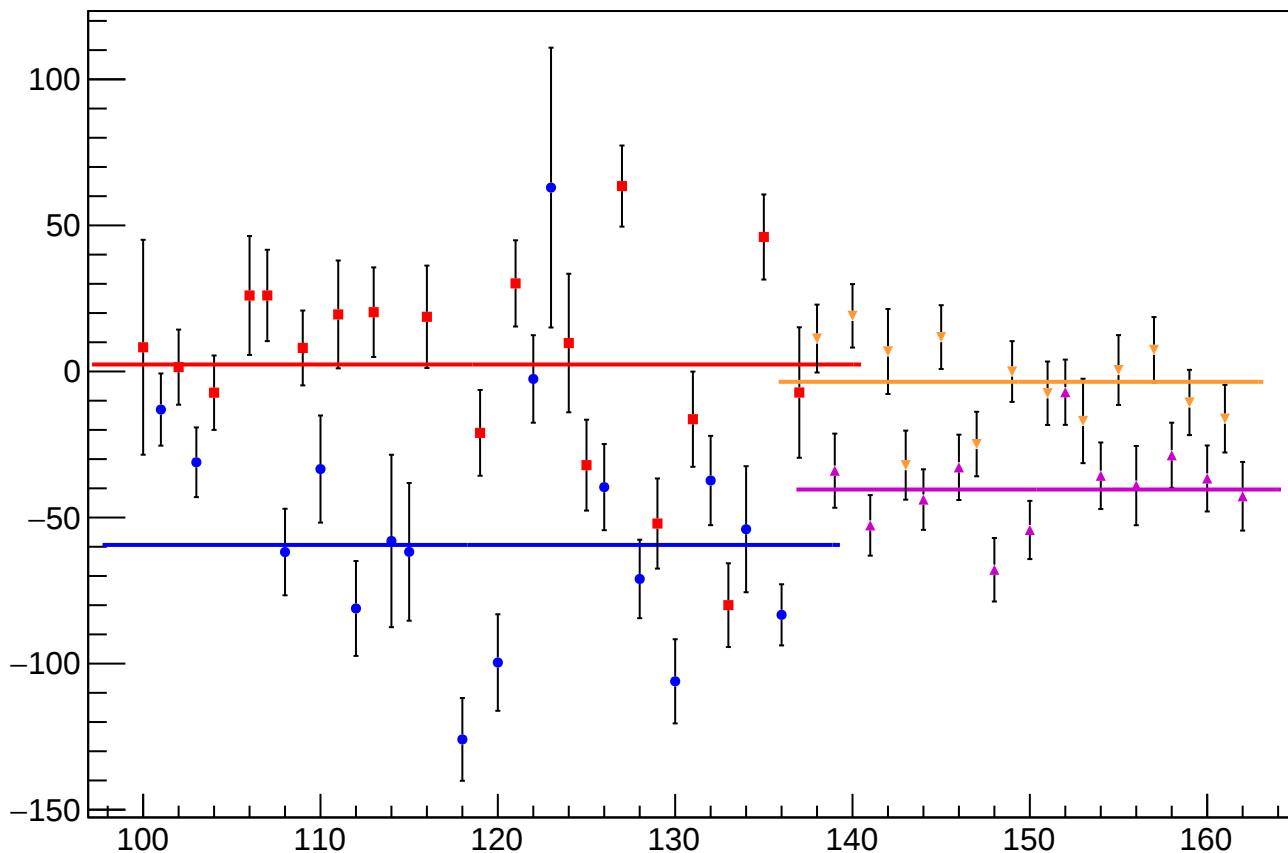
Left In: 1785.391 $\pm$ 0.411 χ^2 /NDF: 477780.2/11

+ sign 1581.722 $\pm$ 0.280 χ^2 /NDF: 992890.7/29

All: 1595.200 $\pm$ 0.199 χ^2 /NDF: 1962050.3/60

- sign 1608.843 $\pm$ 0.282 χ^2 /NDF: 964493.4/30

diff_bpm0l02X_mean vs Slug



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

Left Out: -3.543 ± 3.205 χ^2/NDF : 21.7/12

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

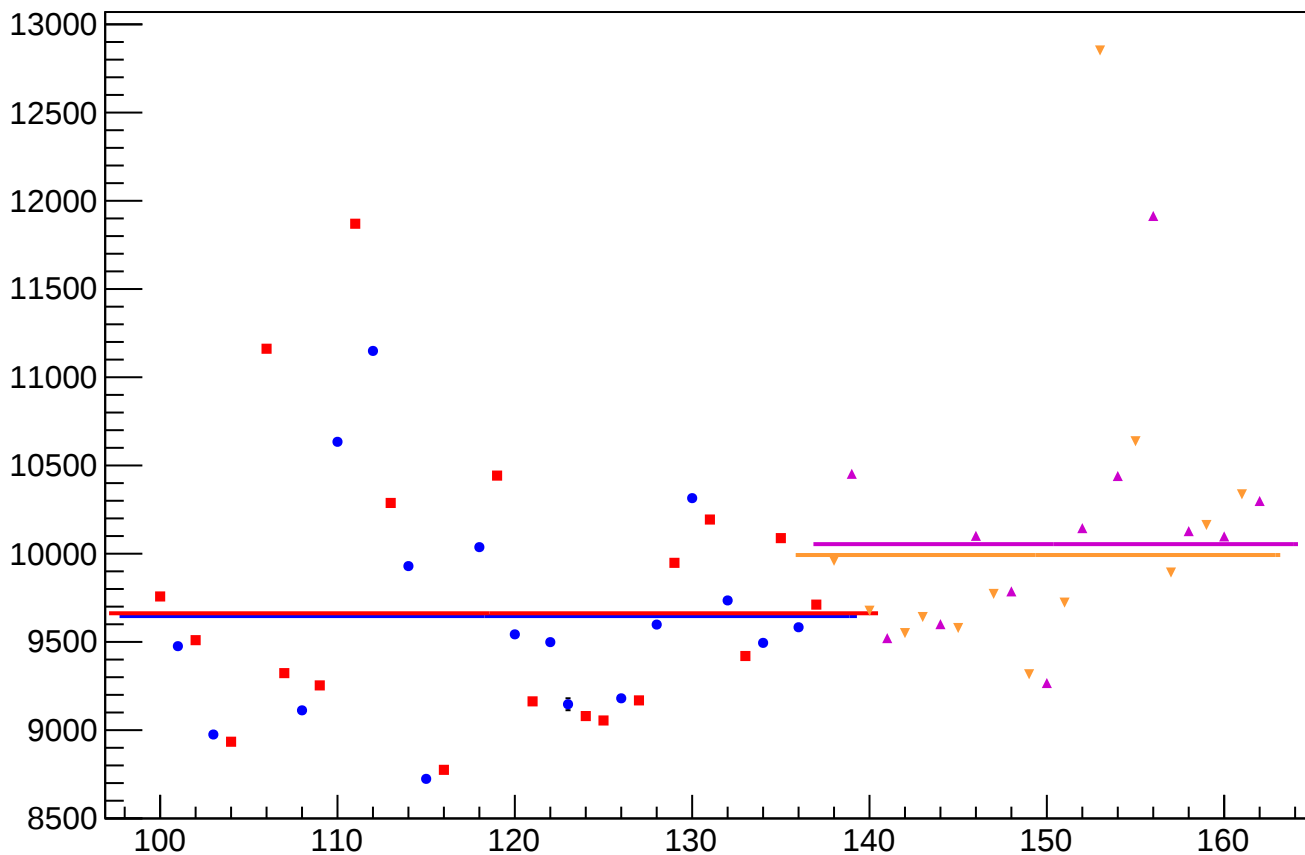
Left In: -40.410 ± 3.233 χ^2/NDF : 20.9/11

+ sign -27.267 ± 2.431 χ^2/NDF : 243.6/29

All: -24.351 ± 1.713 χ^2/NDF : 438.8/60

- sign -21.474 ± 2.414 χ^2/NDF : 192.3/30

diff_bpm0l02X_rms vs Slug



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

Left Out: 9992.538+/-2.266 χ^2/NDF : 105221.5/12

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

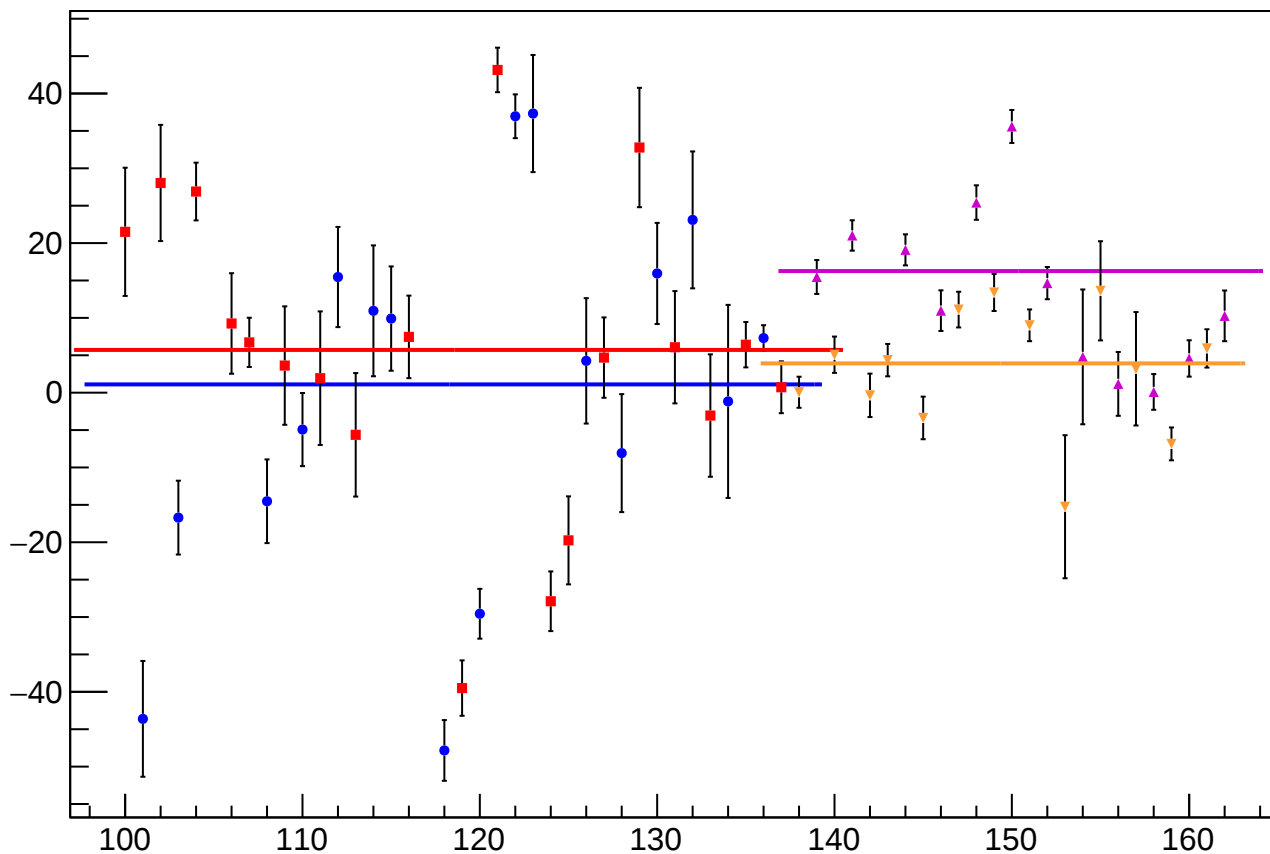
Left In: 10054.194+/-2.286 χ^2/NDF : 65854.1/11

+ sign 9845.490+/-1.719 χ^2/NDF : 159188.1/29

All: 9863.281+/-1.211 χ^2/NDF : 315834.4/60

- sign 9880.833+/-1.707 χ^2/NDF : 156433.4/30

diff_bpm0l02Y_mean vs Slug



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

Left Out: 3.917 ± 0.739 $\chi^2/\text{NDF}: 72.8/12$

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

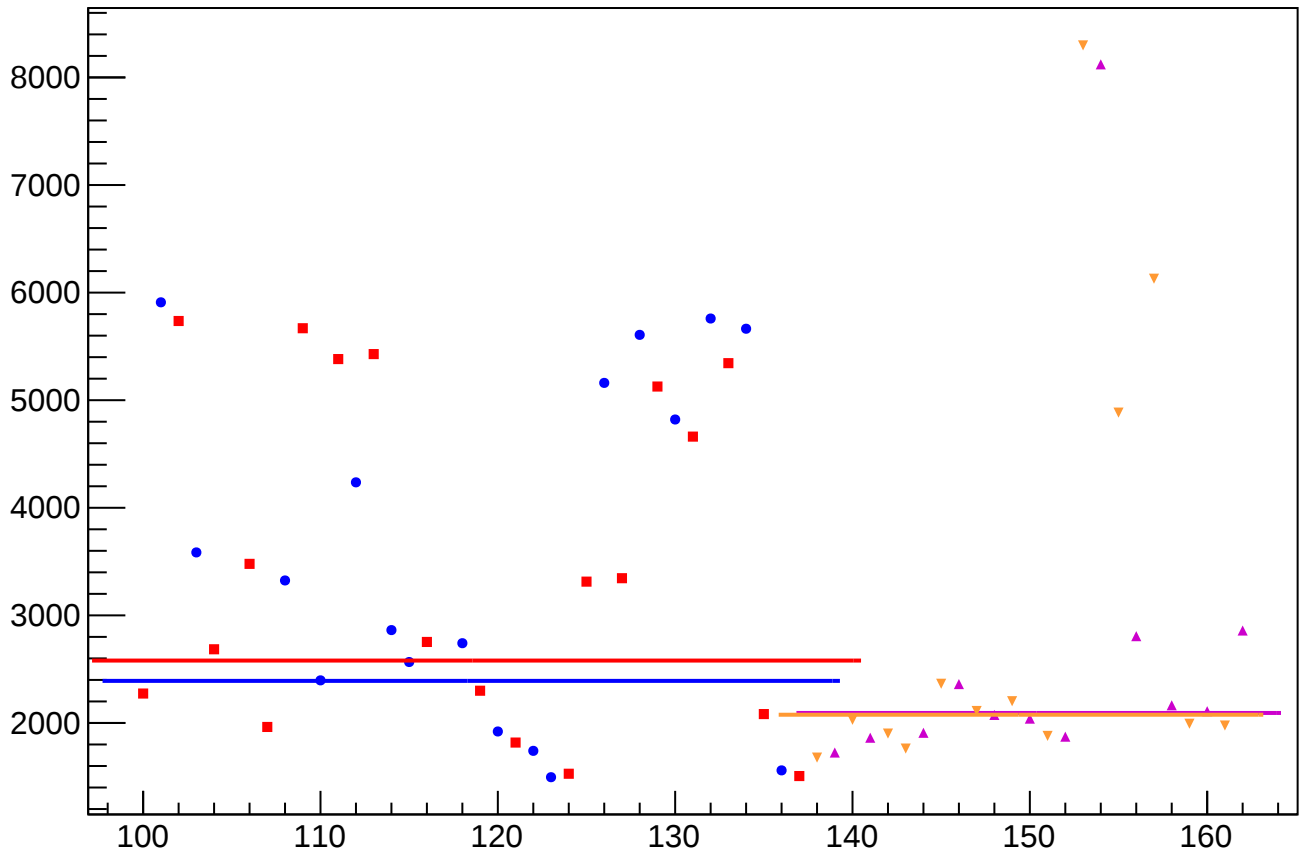
Left In: 16.262 ± 0.723 $\chi^2/\text{NDF}: 190.7/11$

+ sign 3.005 ± 0.608 $\chi^2/\text{NDF}: 567.1/29$

All: 8.064 ± 0.428 $\chi^2/\text{NDF}: 1416.2/60$

- sign 13.043 ± 0.603 $\chi^2/\text{NDF}: 711.6/30$

diff_bpm0l02Y_rms vs Slug



Right In: 2391.162+/-0.754 χ^2/NDF : 2600547.2/16

Left Out: 2076.528+/-0.523 χ^2/NDF : 1949564.3/12

+ sign 2178.680+/-0.430 χ^2/NDF : 4667673.7/29

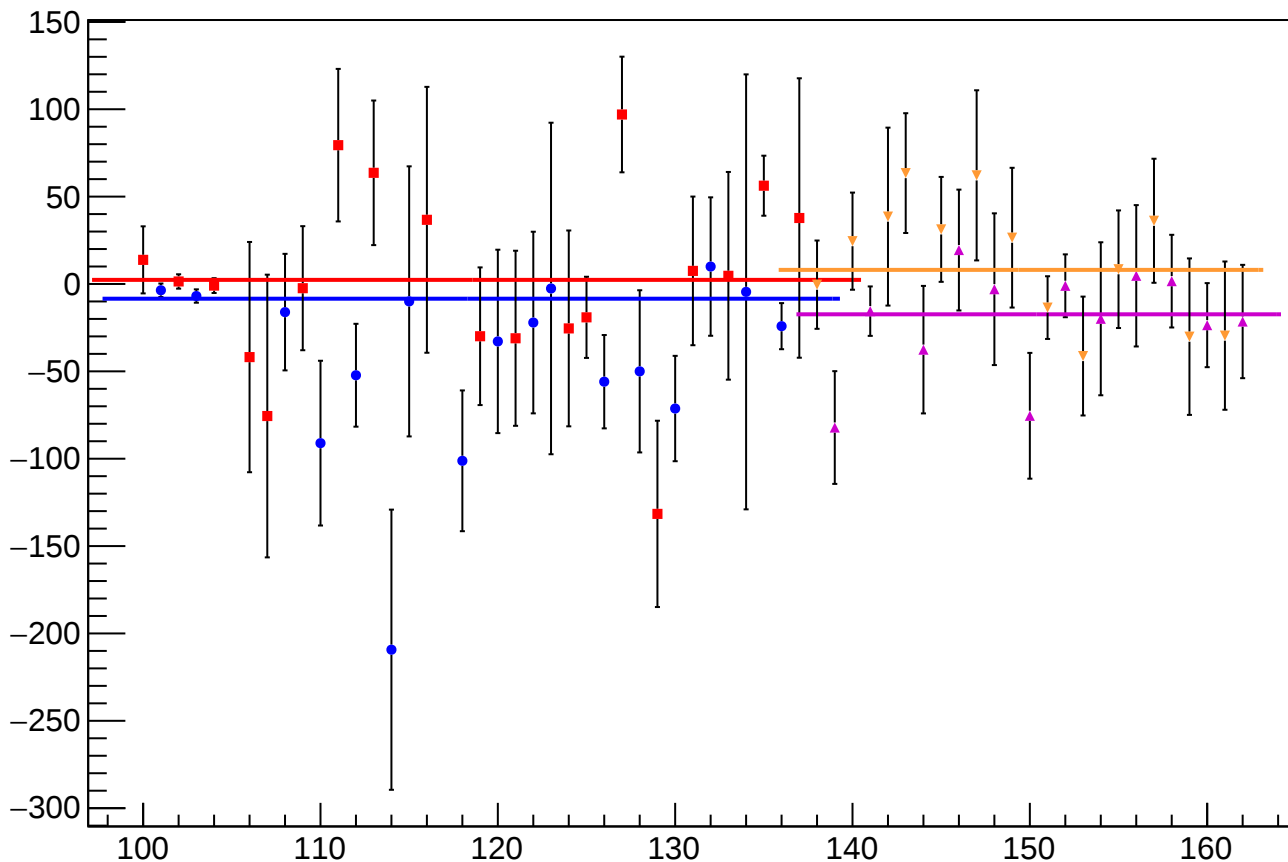
Right Out: 2580.040+/-0.772 χ^2/NDF : 2365271.4/18

All: 2210.426+/-0.303 χ^2/NDF : 8511072.2/60

- sign 2241.663+/-0.426 χ^2/NDF : 3832568.8/30

Left In: 2093.034+/-0.511 χ^2/NDF : 1190460.5/11

diff_bpm0l03X_mean vs Slug



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

Left Out: 8.067 ± 8.786 χ^2/NDF : 11.2/12

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

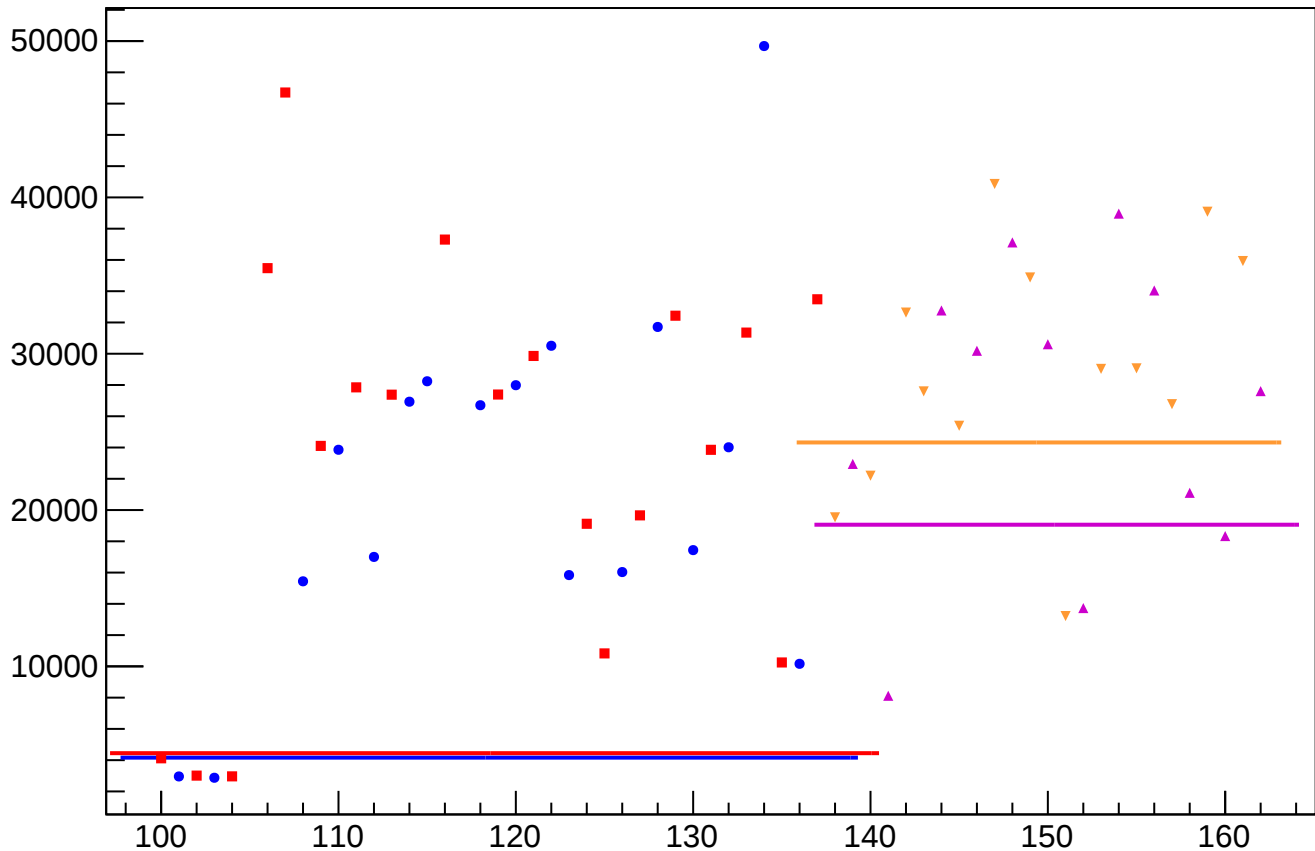
Left In: -17.355 ± 7.631 χ^2/NDF : 9.9/11

+ sign -7.114 ± 2.482 χ^2/NDF : 43.3/29

All: -3.732 ± 1.801 χ^2/NDF : 97.7/60

- sign 0.030 ± 2.618 χ^2/NDF : 50.5/30

diff_bpm0l03X_rms vs Slug



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

Left Out: 24324.171 ± 6.212 χ^2/NDF : 1748380.9/12

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

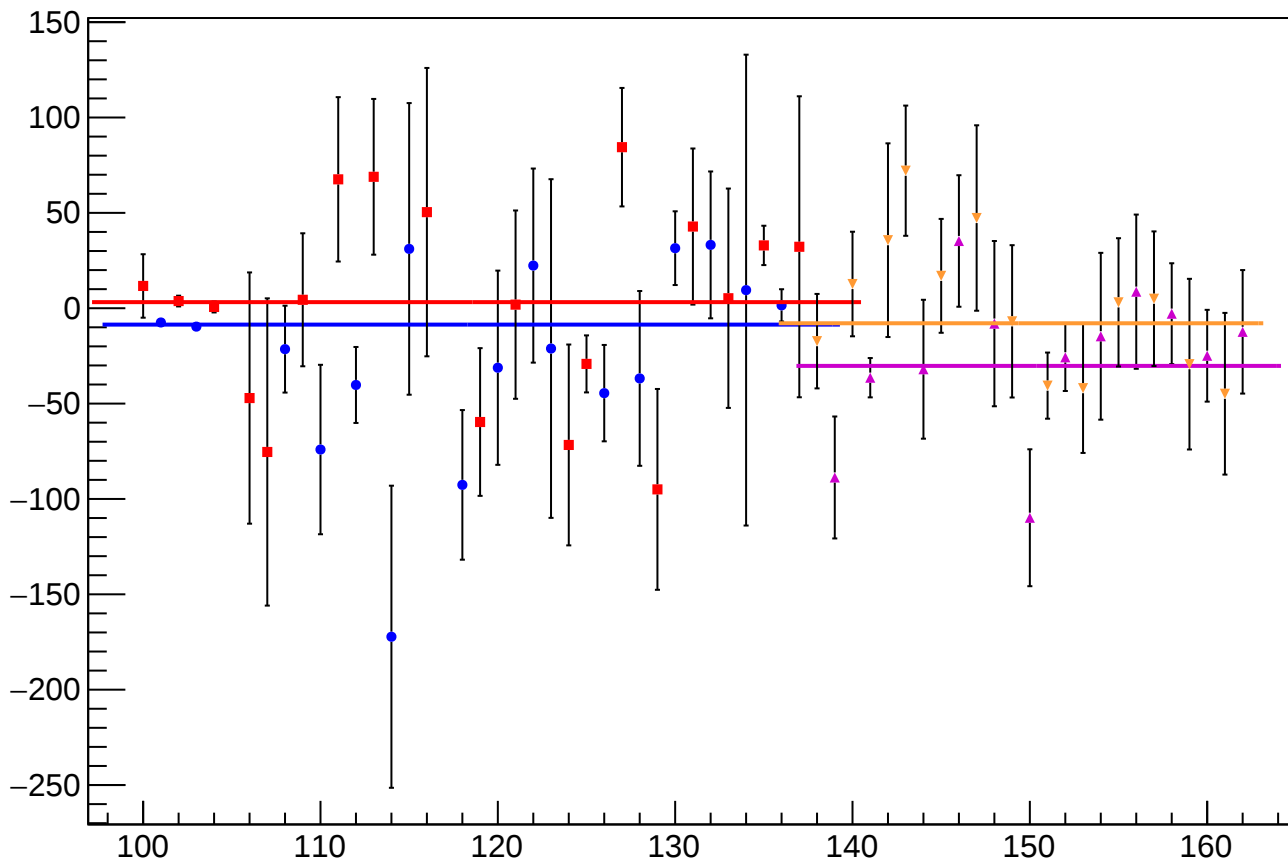
Left In: 19061.486 ± 5.396 χ^2/NDF : 3282682.8/11

+ sign 5771.448 ± 1.755 χ^2/NDF : 17430523.8/29

All: 5958.622 ± 1.274 χ^2/NDF : 34636205.1/6

- sign 6166.823 ± 1.851 χ^2/NDF : 17181655.9/30

diff_bpm0l03Y_mean vs Slug



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

Left Out: -7.884 ± 8.667 χ^2/NDF : 14.7/12

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

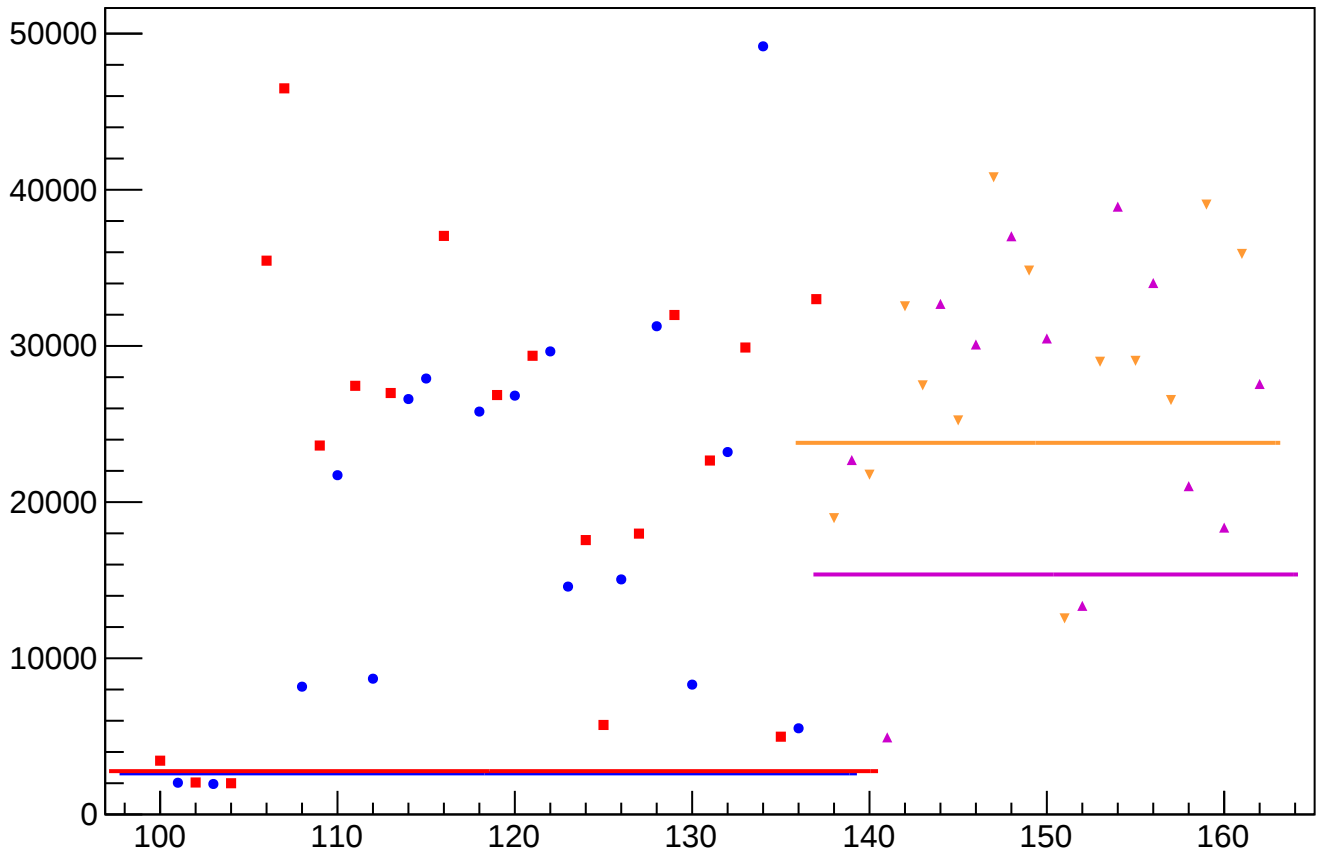
Left In: -30.232 ± 6.782 χ^2/NDF : 15.0/11

+ sign -8.558 ± 1.741 χ^2/NDF : 39.1/29

All: -4.203 ± 1.268 χ^2/NDF : 126.8/60

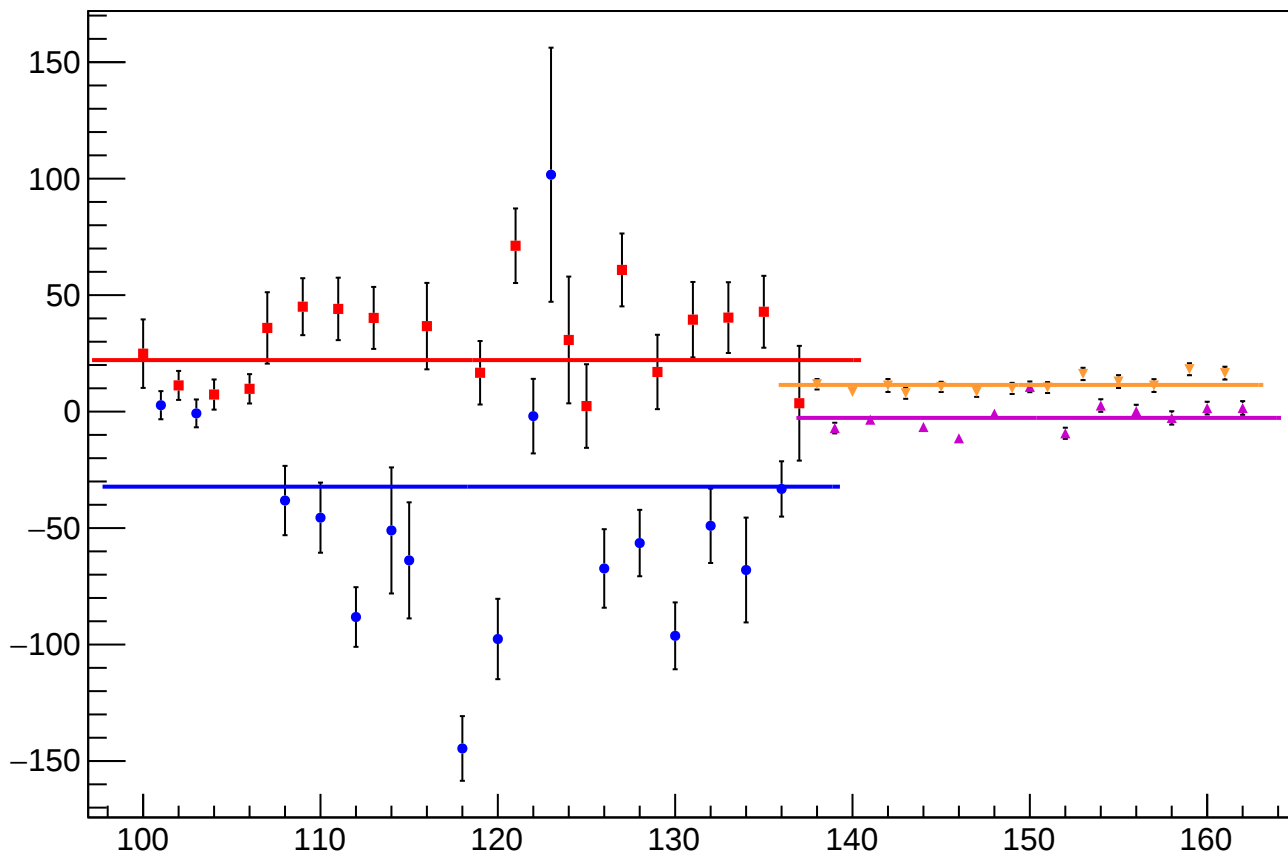
- sign 0.709 ± 1.849 χ^2/NDF : 74.4/30

diff_bpm0l03Y_rms vs Slug



Right In: 2630.547+/-1.257	χ^2/NDF : 5588981.6/16	+ sign 3485.144+/-1.231	χ^2/NDF : 18950226.3/29
Left Out: 23796.106+/-6.128	χ^2/NDF : 1914597.0/12	All: 3590.734+/-0.897	χ^2/NDF : 38446306.7/6
Right Out: 2773.446+/-1.359	χ^2/NDF : 7835878.7/18	- sign 3709.815+/-1.308	χ^2/NDF : 19480435.9/30
Left In: 15366.599+/-4.796	χ^2/NDF : 5261955.6/11		

diff_bpm0l04X_mean vs Slug



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

Left Out: 11.452 ± 0.678 χ^2/NDF : 20.4/12

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

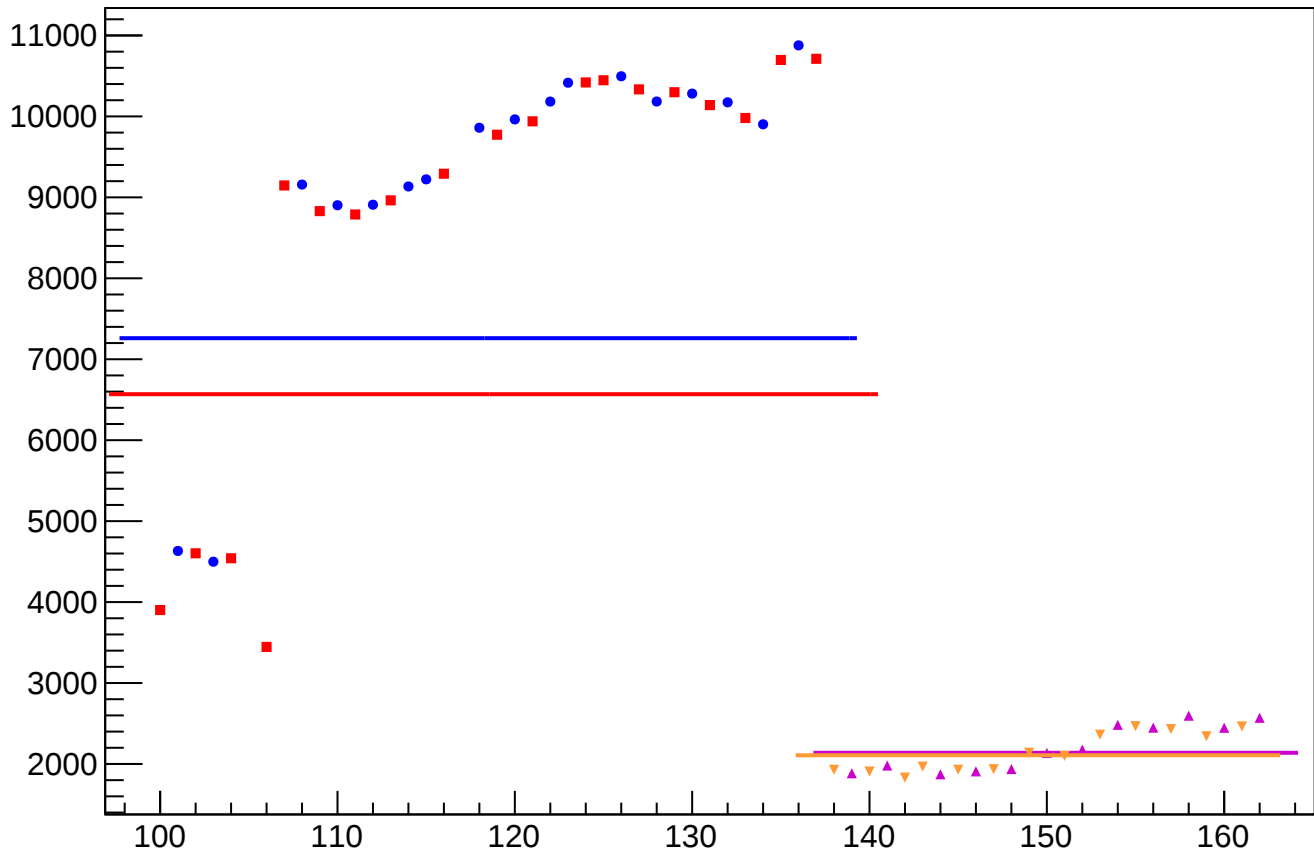
Left In: -2.699 ± 0.691 χ^2/NDF : 76.0/11

+ sign 9.306 ± 0.661 χ^2/NDF : 428.1/29

All: 4.150 ± 0.470 χ^2/NDF : 752.2/60

- sign -1.140 ± 0.669 χ^2/NDF : 200.7/30

diff_bpm0l04X_rms vs Slug



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

Left Out: 2107.615 $\pm$ 0.479 χ^2 /NDF: 212563.4/12

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

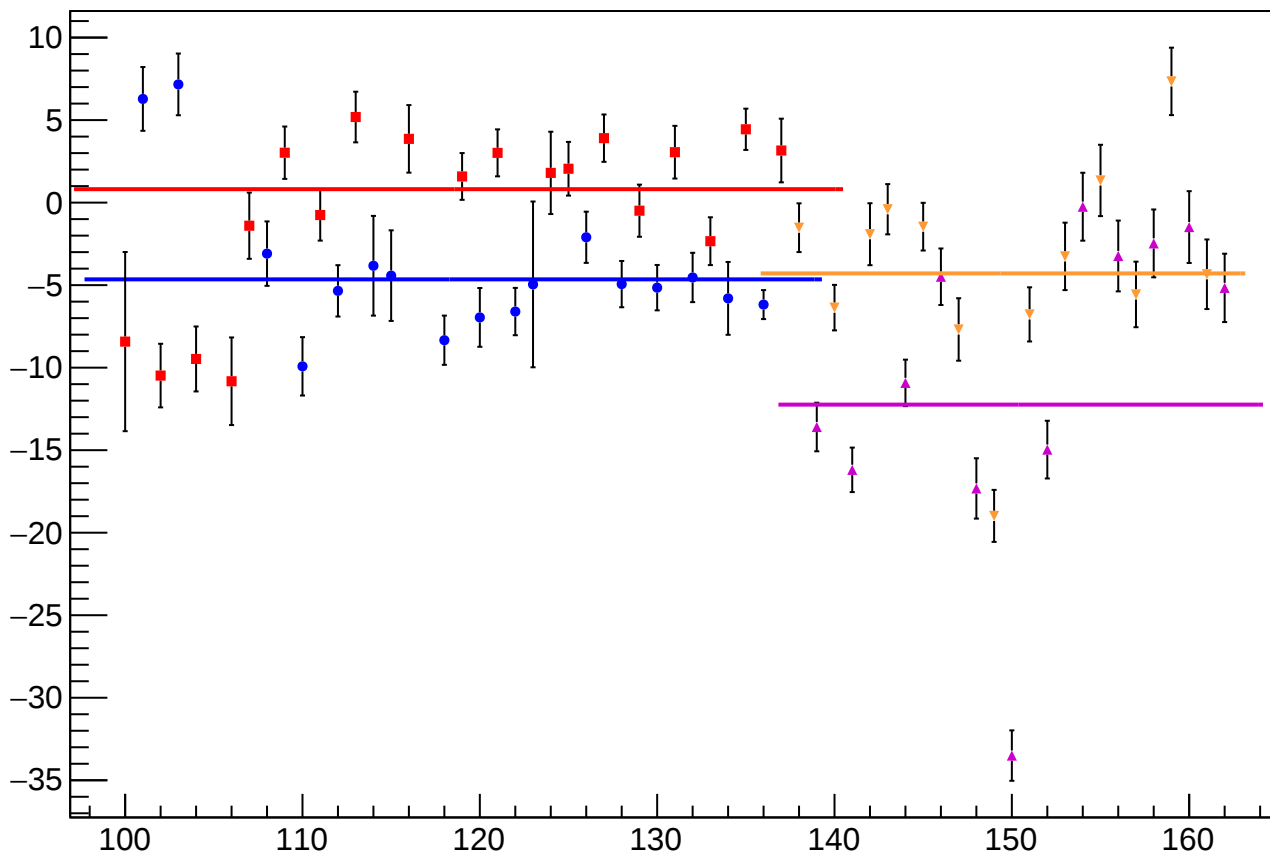
Left In: 2137.992 $\pm$ 0.489 χ^2 /NDF: 288931.3/11

+ sign 2360.746 $\pm$ 0.467 χ^2 /NDF: 7528856.8/29

All: 2388.273 $\pm$ 0.333 χ^2 /NDF: 15184082.3/6

- sign 2416.510 $\pm$ 0.473 χ^2 /NDF: 7648195.2/30

diff_bpm0l04Y_mean vs Slug



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

Left Out: -4.289 ± 0.476 χ^2/NDF : 150.1/12

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

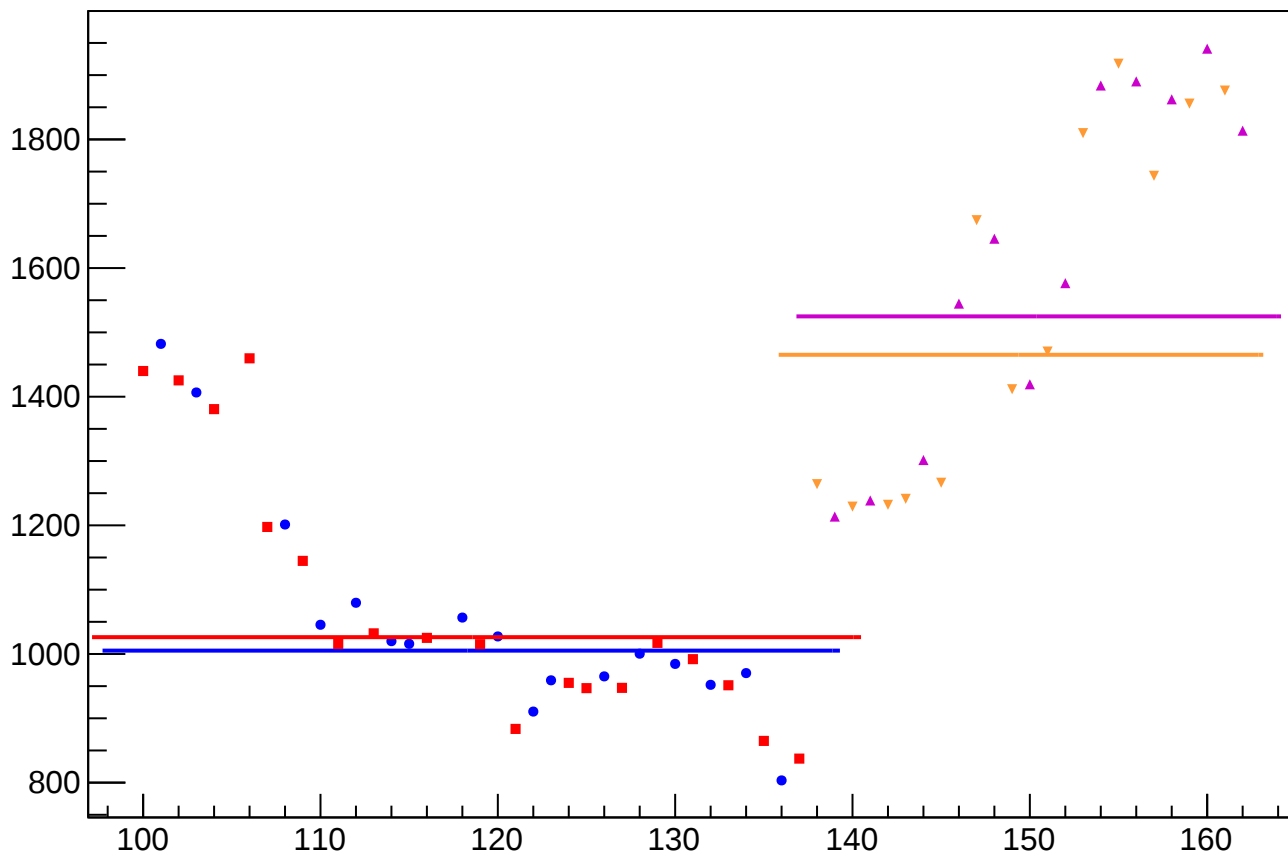
Left In: -12.240 ± 0.497 χ^2/NDF : 345.2/11

+ sign -4.504 ± 0.303 χ^2/NDF : 248.0/29

All: -4.322 ± 0.215 χ^2/NDF : 1145.8/60

- sign -4.136 ± 0.306 χ^2/NDF : 897.0/30

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1465.179+/-0.337 χ^2/NDF : 567453.6/12

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

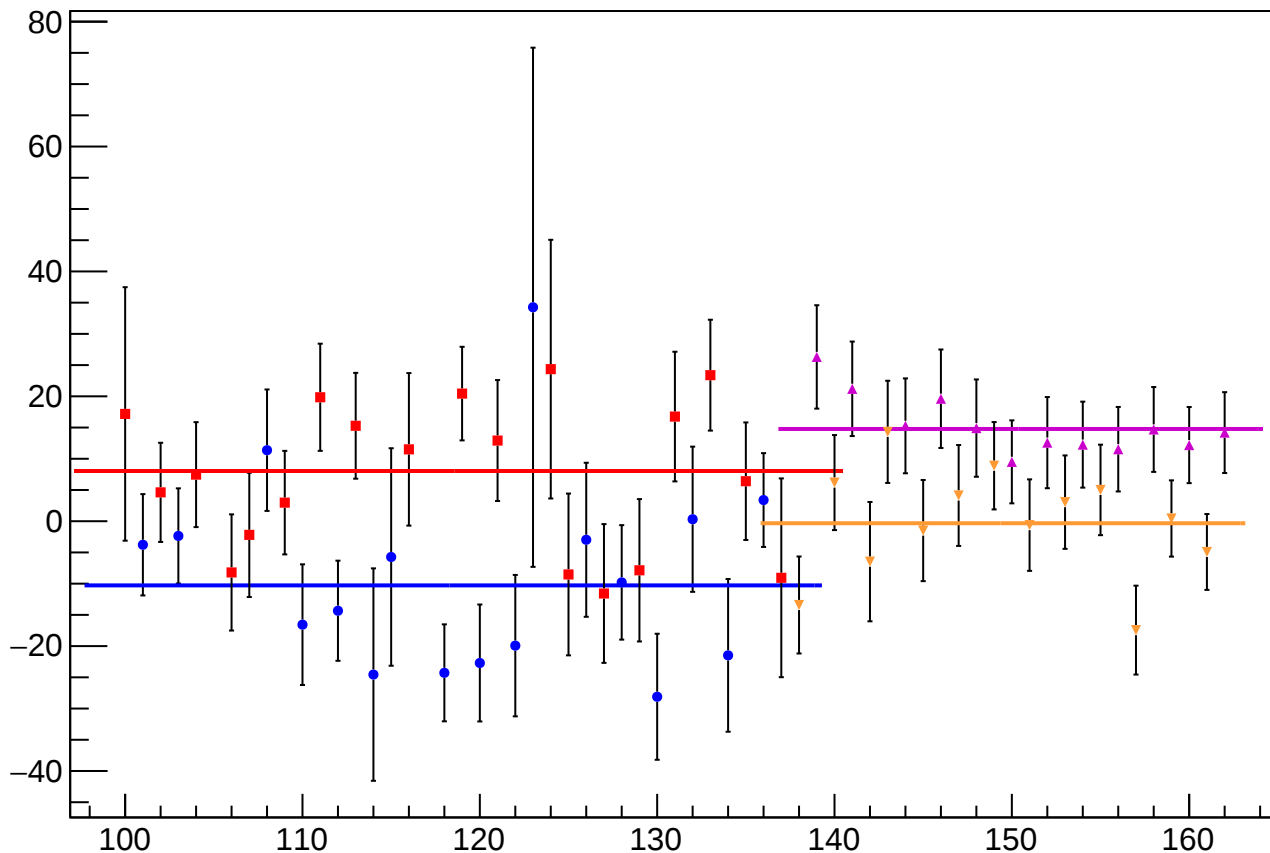
Left In: 1524.890+/-0.351 χ^2/NDF : 535152.6/11

+ sign 1191.230+/-0.214 χ^2/NDF : 2039355.7/29

All: 1203.140+/-0.152 χ^2/NDF : 4163810.2/60

- sign 1215.294+/-0.216 χ^2/NDF : 2118211.0/30

diff_bpm0l05X_mean vs Slug



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

Left Out: -0.327 ± 2.041 χ^2/NDF : 16.4/12

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

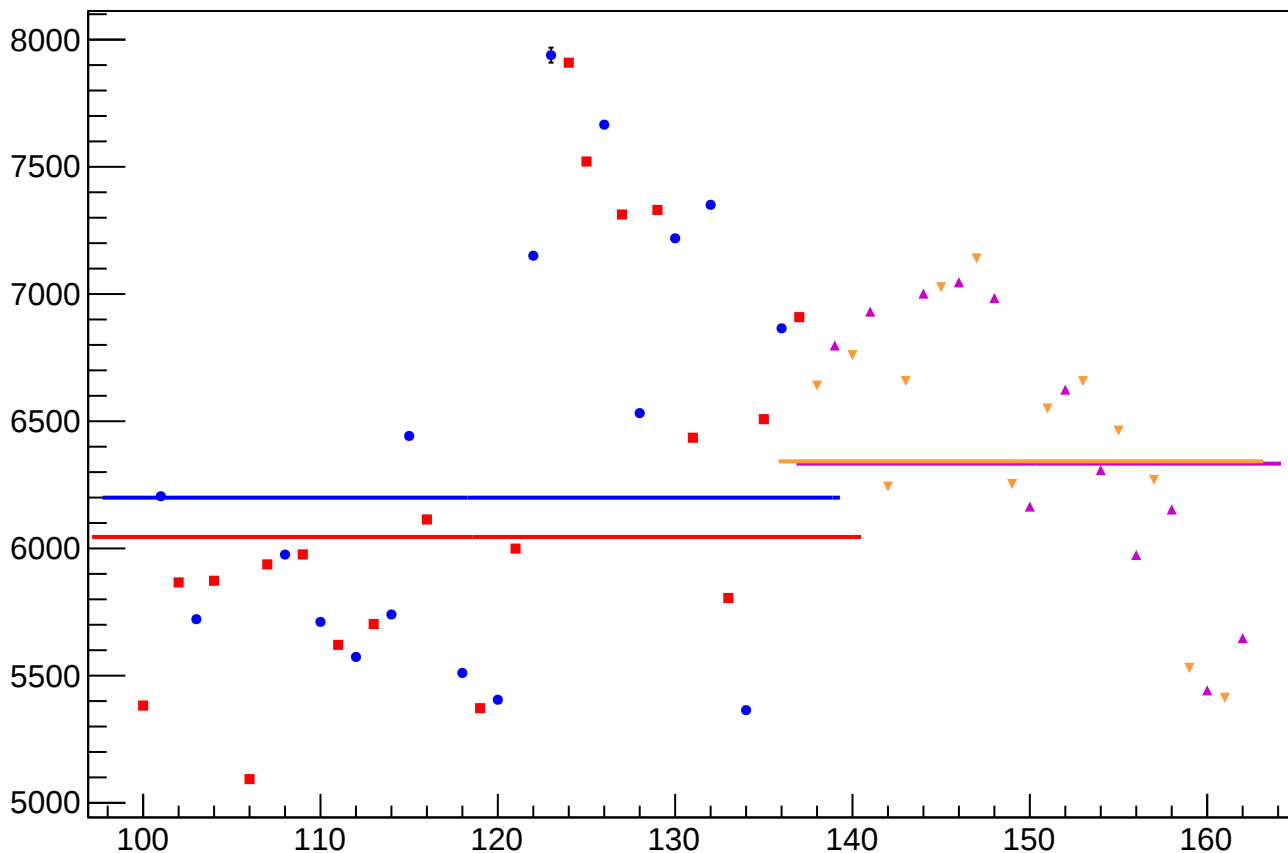
Left In: 14.773 ± 2.047 χ^2/NDF : 4.3/11

+ sign -4.488 ± 1.557 χ^2/NDF : 49.8/29

All: 3.821 ± 1.089 χ^2/NDF : 137.4/60

- sign 11.767 ± 1.523 χ^2/NDF : 31.9/30

diff_bpm0l05X_rms vs Slug



Right In: 6199.617+/-1.703 χ^2/NDF : 171760.4/16

Left Out: 6342.460+/-1.443 χ^2/NDF : 134413.2/12

Right Out: 6045.172+/-1.611 χ^2/NDF : 158323.0/18

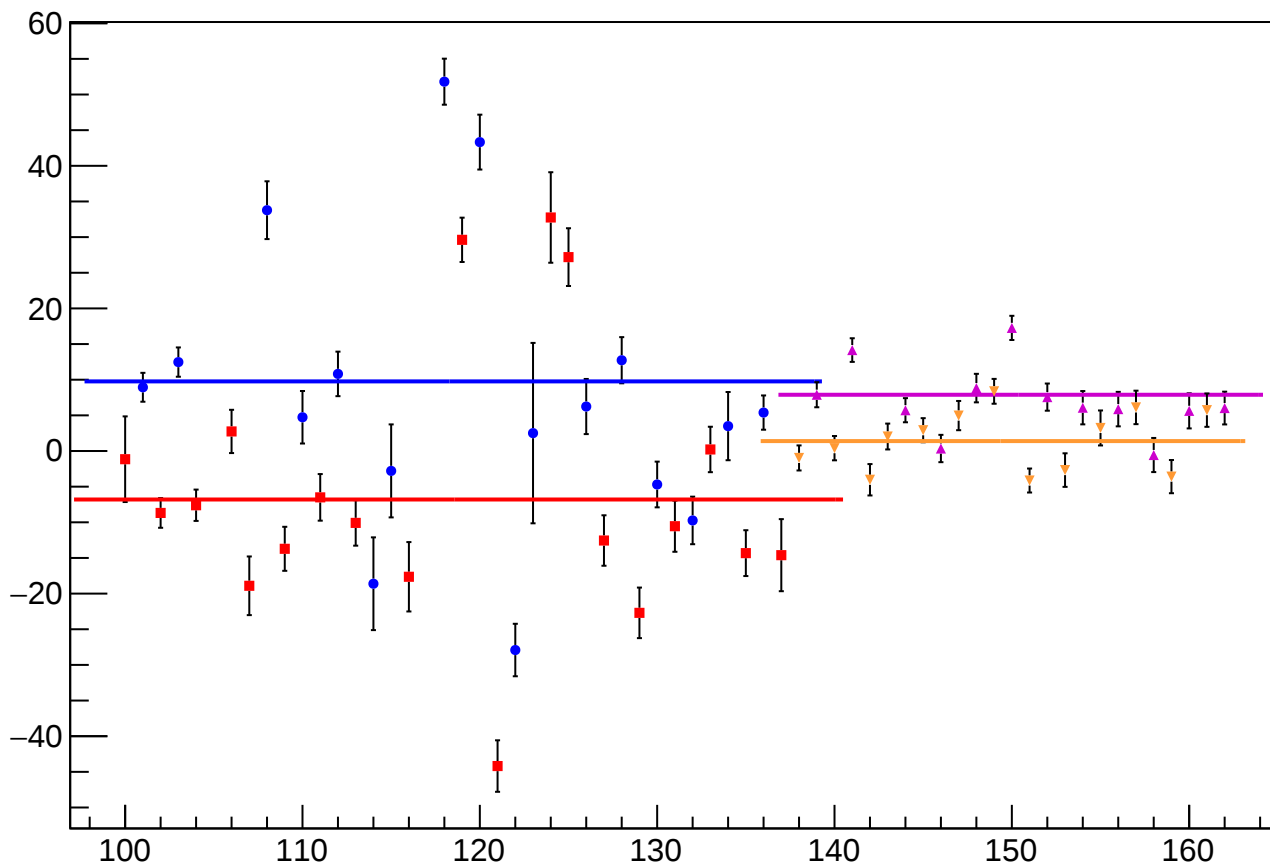
Left In: 6333.387+/-1.447 χ^2/NDF : 141278.3/11

+ sign 6282.723+/-1.101 χ^2/NDF : 310268.8/29

All: 6242.825+/-0.770 χ^2/NDF : 630149.9/60

- sign 6204.674+/-1.077 χ^2/NDF : 317312.4/30

diff_bpm0l05Y_mean vs Slug



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

Left Out: 1.392 ± 0.547 χ^2/NDF : 54.7/12

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

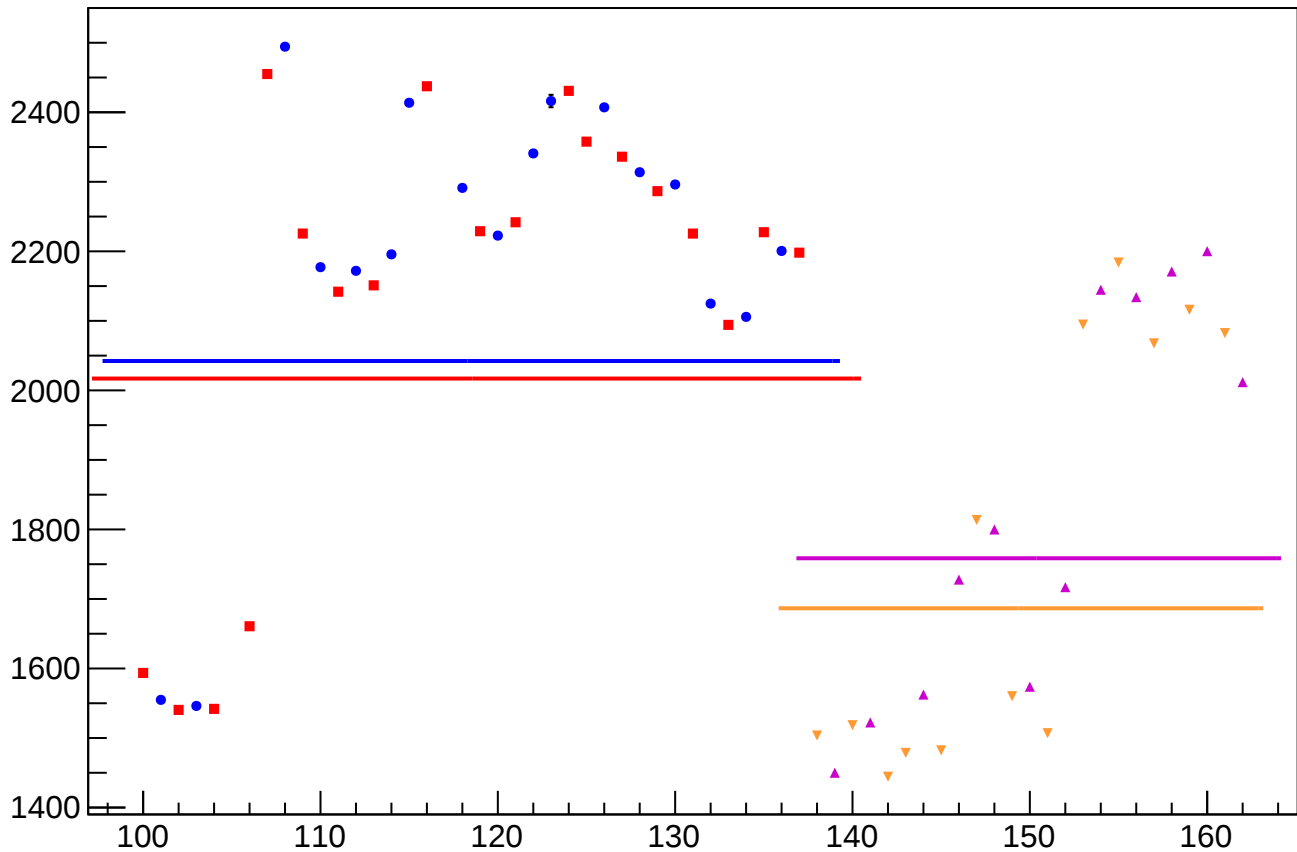
Left In: 7.889 ± 0.571 χ^2/NDF : 77.5/11

+ sign 4.072 ± 0.451 χ^2/NDF : 603.5/29

All: 3.361 ± 0.321 χ^2/NDF : 1344.8/60

- sign 2.629 ± 0.458 χ^2/NDF : 736.2/30

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1686.611+/-0.387 χ^2/NDF : 482227.7/12

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

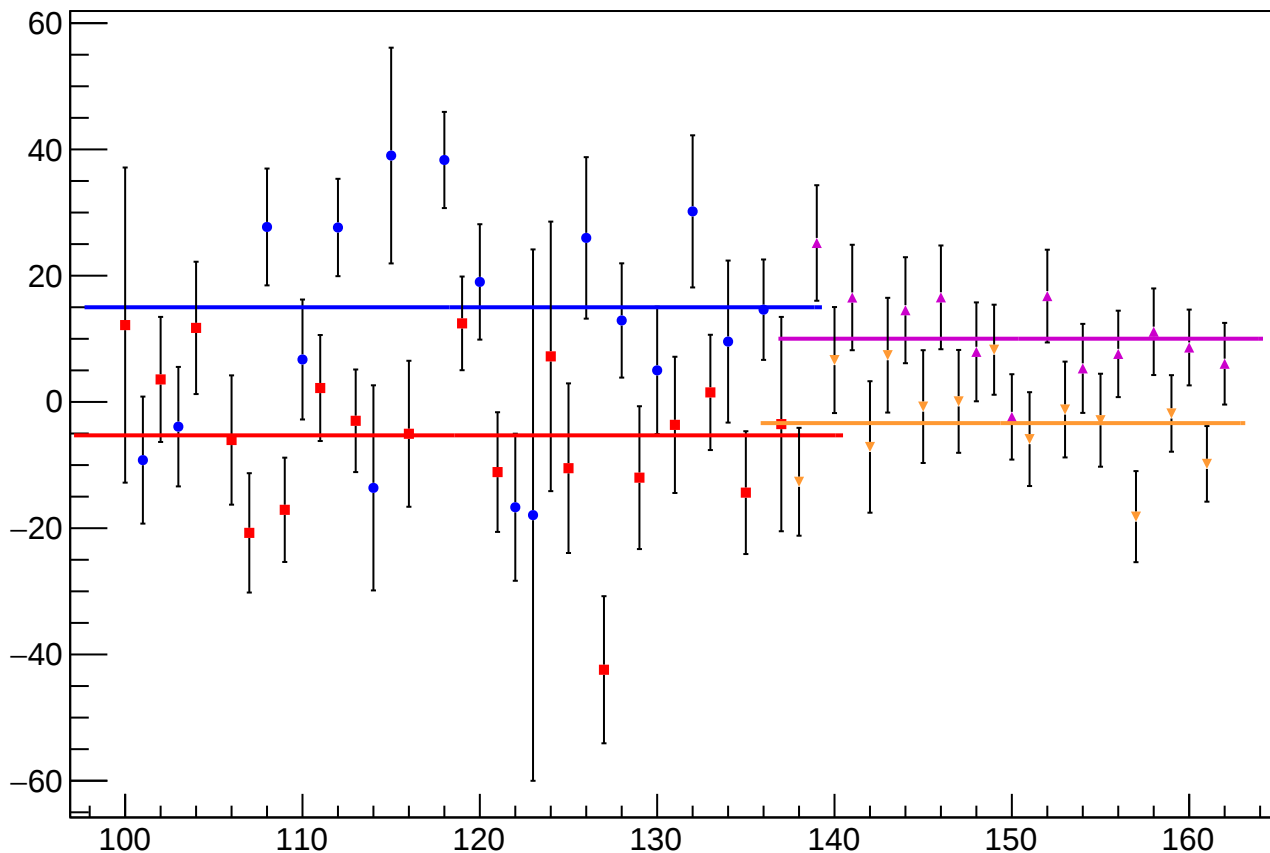
Left In: 1758.513+/-0.404 χ^2/NDF : 405939.8/11

+ sign 1800.459+/-0.319 χ^2/NDF : 1109935.2/29

All: 1825.391+/-0.227 χ^2/NDF : 2050623.1/60

- sign 1851.079+/-0.324 χ^2/NDF : 928269.4/30

diff_bpm0l06X_mean vs Slug



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

Left Out: -3.353 ± 2.110 $\chi^2/\text{NDF}: 12.7/12$

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

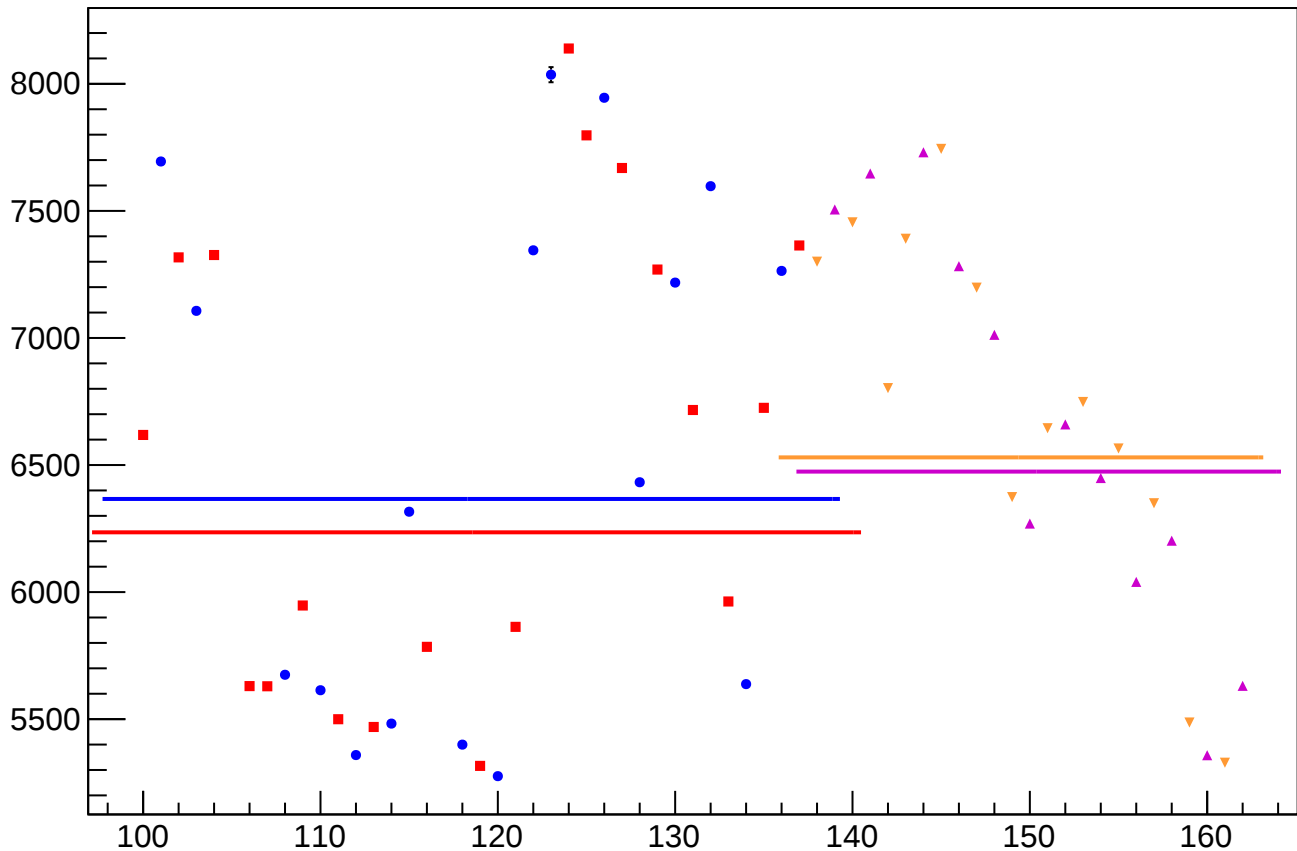
Left In: 10.017 ± 2.102 $\chi^2/\text{NDF}: 9.6/11$

+ sign 4.332 ± 1.608 $\chi^2/\text{NDF}: 85.7/29$

All: 3.771 ± 1.123 $\chi^2/\text{NDF}: 147.1/60$

- sign 3.237 ± 1.569 $\chi^2/\text{NDF}: 61.1/30$

diff_bpm0l06X_rms vs Slug



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

Left Out: 6530.077 ± 1.492 $\chi^2/\text{NDF}: 254244.7/12$

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

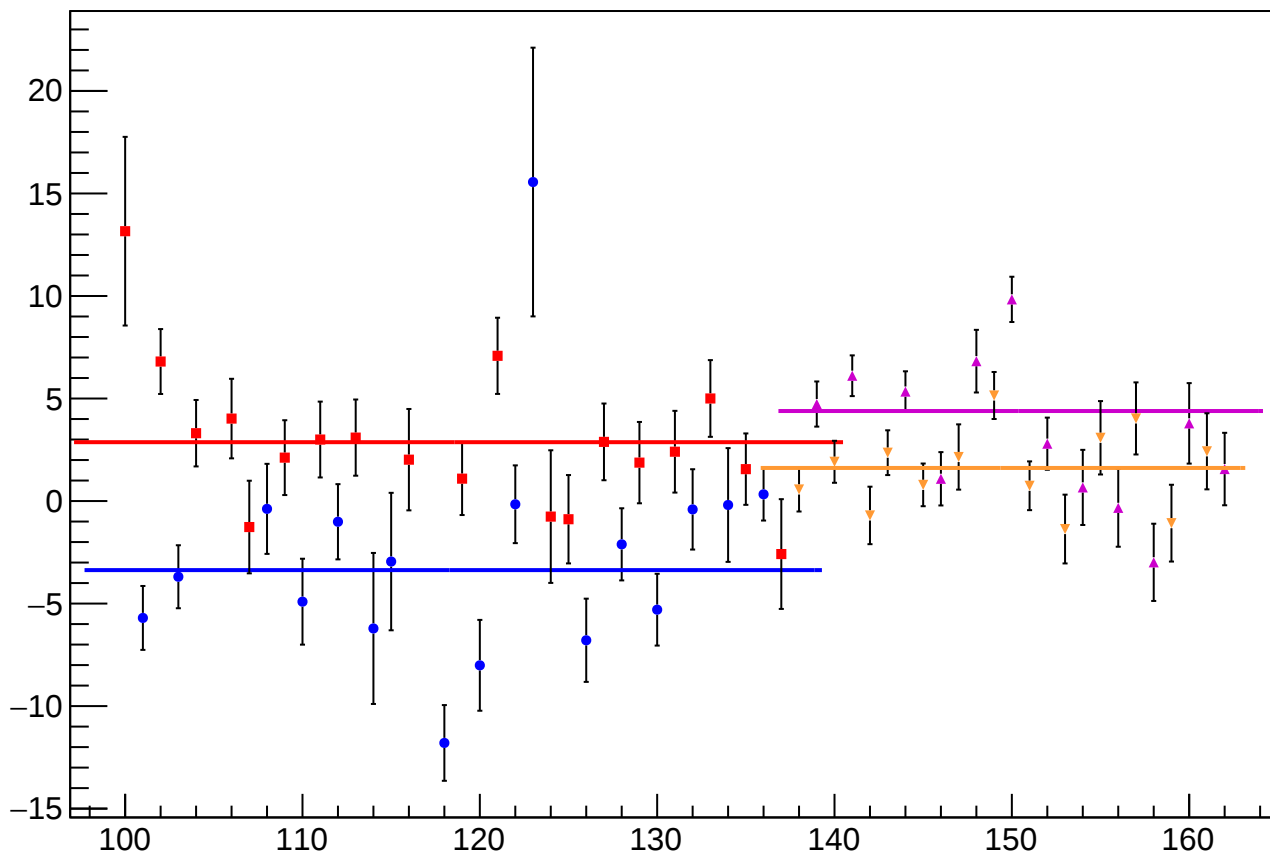
Left In: 6474.162 ± 1.486 $\chi^2/\text{NDF}: 255893.2/11$

+ sign 6461.564 ± 1.137 $\chi^2/\text{NDF}: 545775.1/29$

All: 6413.781 ± 0.794 $\chi^2/\text{NDF}: 1059767.9/60$

- sign 6368.321 ± 1.109 $\chi^2/\text{NDF}: 510548.3/30$

diff_bpm0l06Y_mean vs Slug



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

Left Out: 1.614 ± 0.365 χ^2/NDF : 23.0/12

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

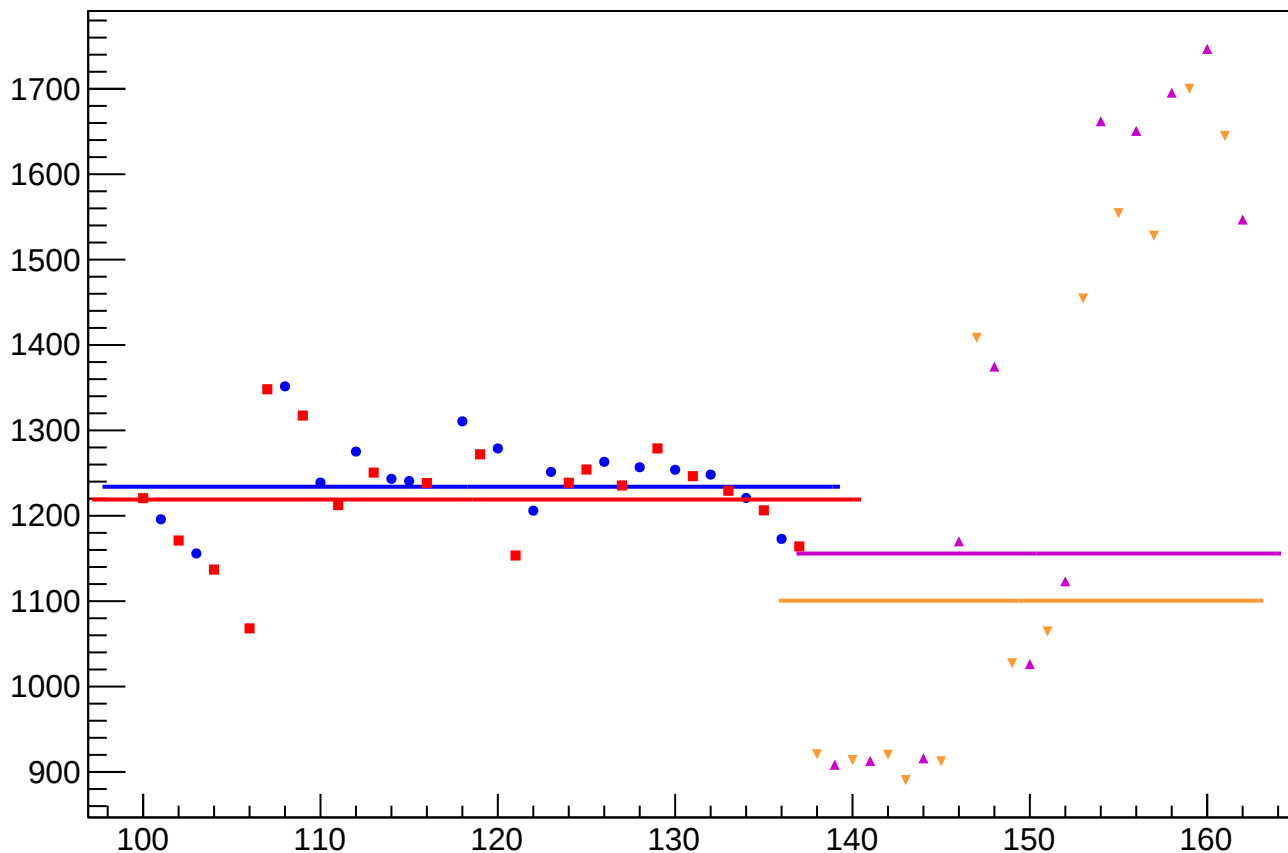
Left In: 4.390 ± 0.385 χ^2/NDF : 67.3/11

+ sign -0.231 ± 0.289 χ^2/NDF : 152.0/29

All: 1.731 ± 0.206 χ^2/NDF : 351.3/60

- sign 3.759 ± 0.294 χ^2/NDF : 105.8/30

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1100.549+/-0.258 χ^2/NDF : 1092892.6/12

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

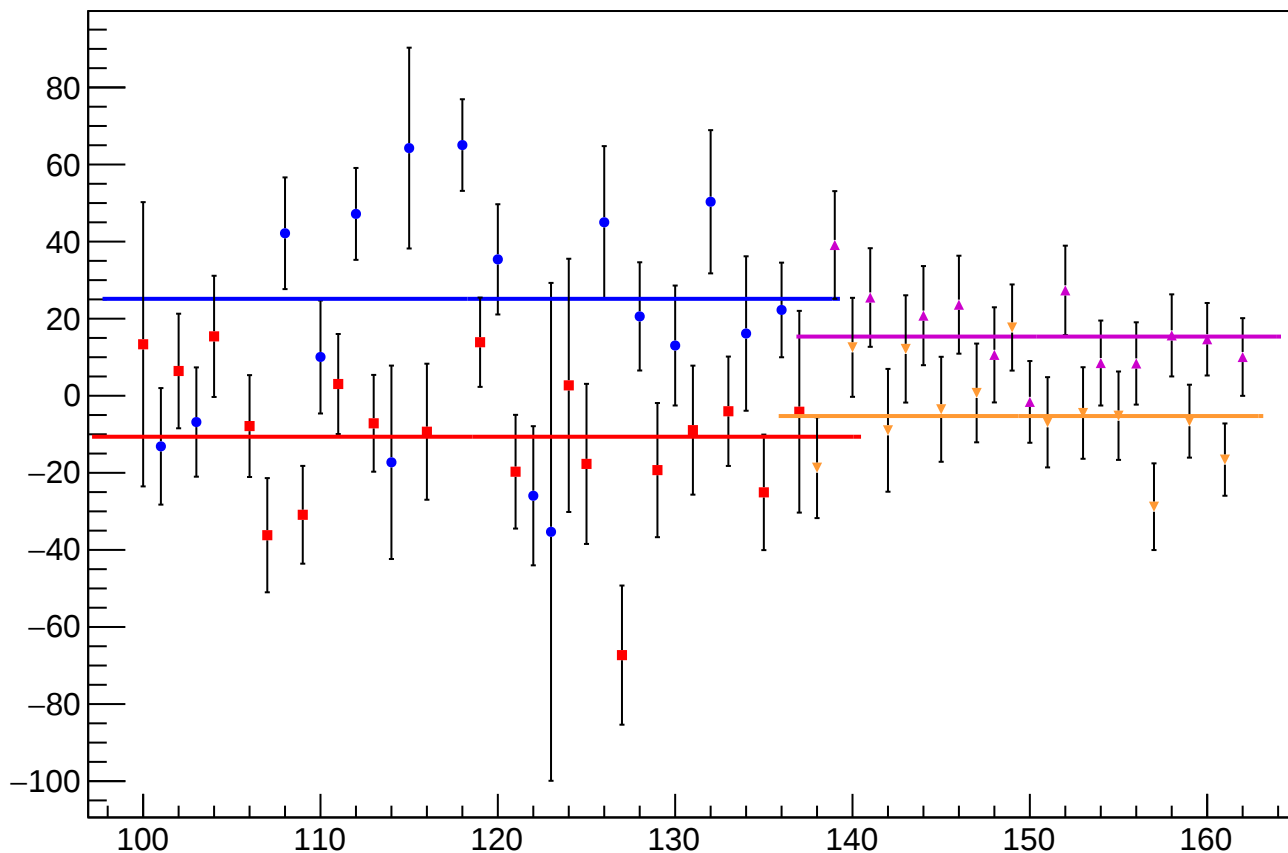
Left In: 1155.774+/-0.272 χ^2/NDF : 1140915.4/11

+ sign 1149.980+/-0.205 χ^2/NDF : 1215690.8/29

All: 1165.754+/-0.146 χ^2/NDF : 2431529.3/60

- sign 1182.051+/-0.208 χ^2/NDF : 1203756.1/30

diff_bpm0l07X_mean vs Slug



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

Left Out: -5.265 ± 3.281 χ^2/NDF : 14.9/12

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

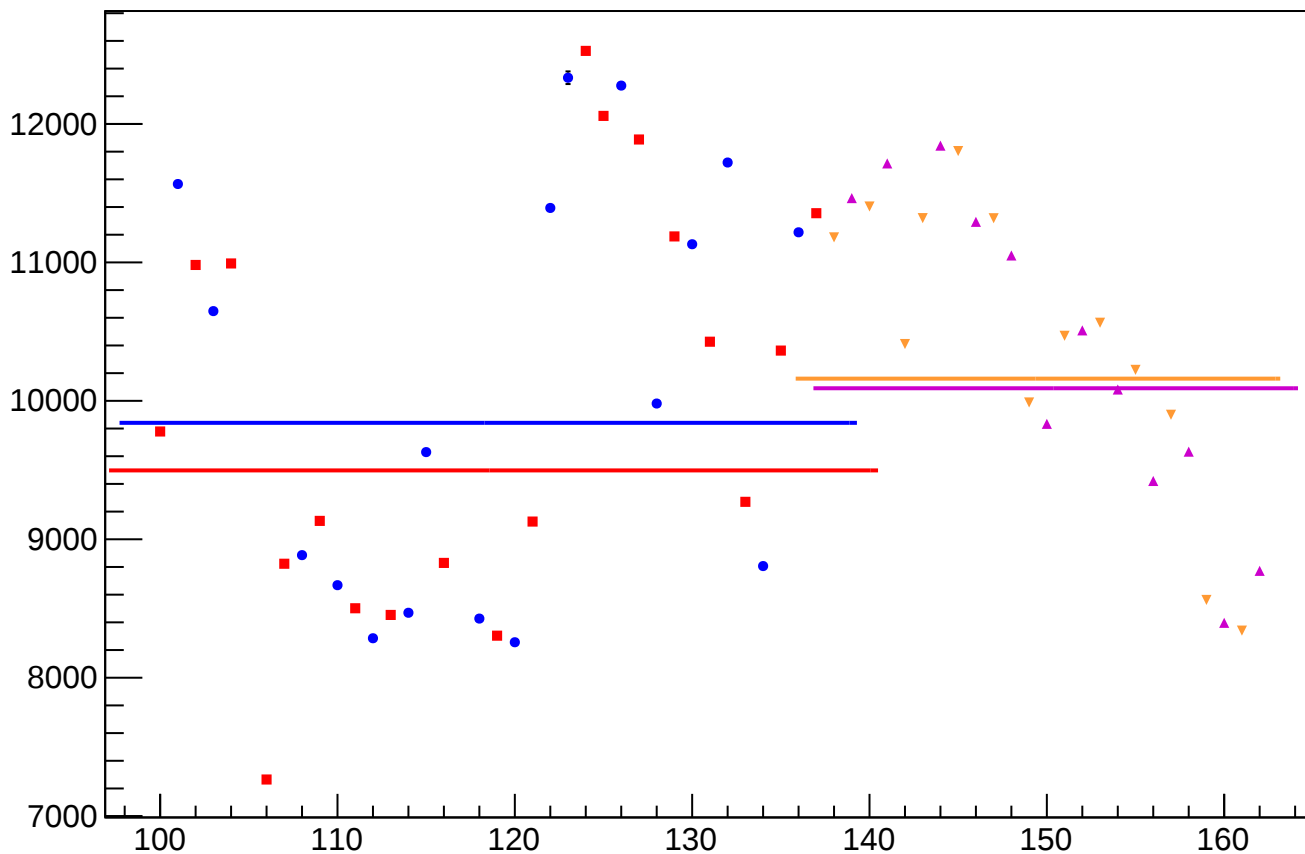
Left In: 15.354 ± 3.273 χ^2/NDF : 9.0/11

+ sign 7.578 ± 2.494 χ^2/NDF : 98.2/29

All: 5.516 ± 1.737 χ^2/NDF : 164.7/60

- sign 3.573 ± 2.420 χ^2/NDF : 65.3/30

diff_bpm0l07X_rms vs Slug



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

Left Out: 10160.436+/-2.320 χ^2/NDF : 228501.9/12

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

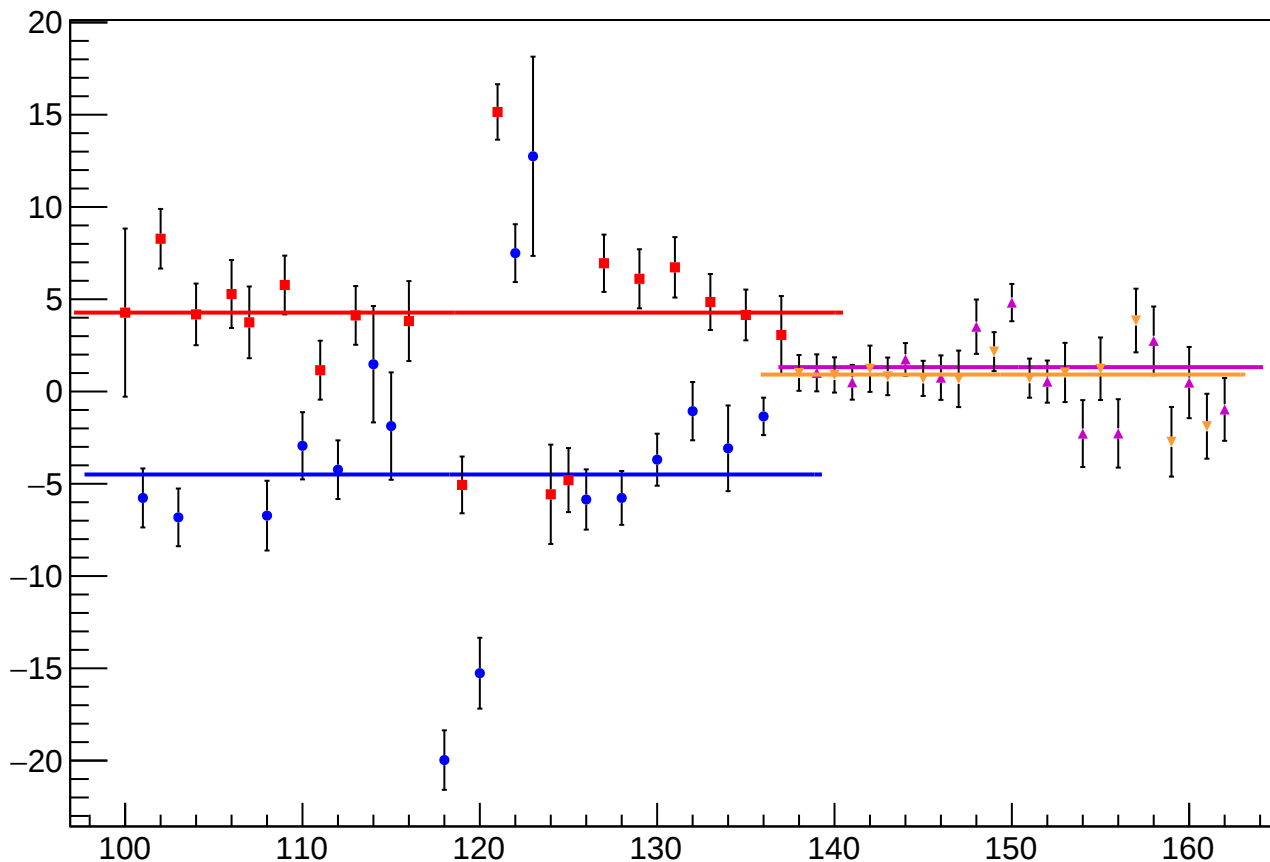
Left In: 10090.869+/-2.315 χ^2/NDF : 233111.3/11

+ sign 10025.624+/-1.763 χ^2/NDF : 496562.4/29

All: 9920.706+/-1.228 χ^2/NDF : 1043042.4/60

- sign 9821.864+/-1.711 χ^2/NDF : 539603.8/30

diff_bpm0l07Y_mean vs Slug



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

Left Out: 0.919 ± 0.338 χ^2/NDF : 10.7/12

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

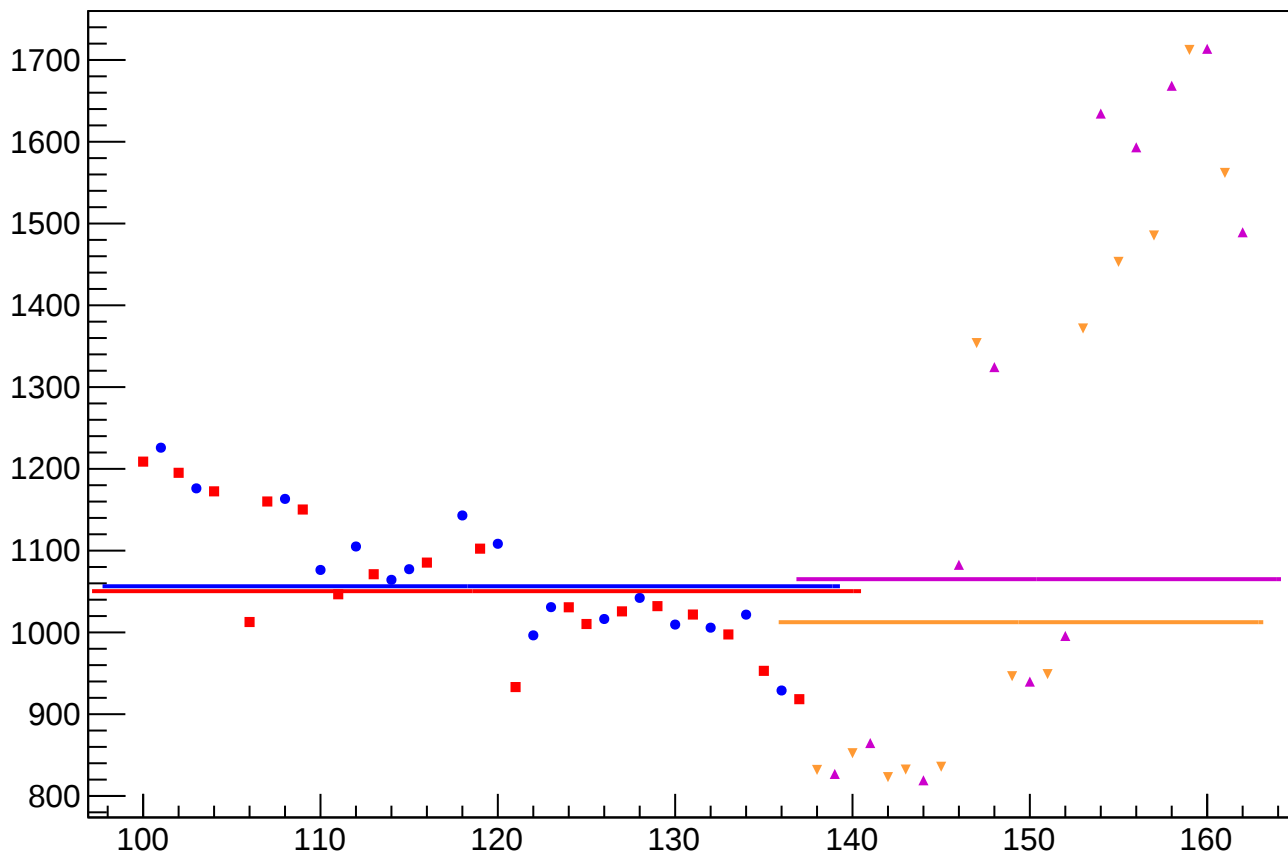
Left In: 1.321 ± 0.358 χ^2/NDF : 26.3/11

+ sign -1.285 ± 0.260 χ^2/NDF : 333.5/29

All: 0.652 ± 0.186 χ^2/NDF : 651.6/60

- sign 2.659 ± 0.265 χ^2/NDF : 205.3/30

diff_bpm0l07Y_rms vs Slug



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

Left Out: 1012.497 $\pm$ 0.239 χ^2 /NDF:1272772.0/12

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

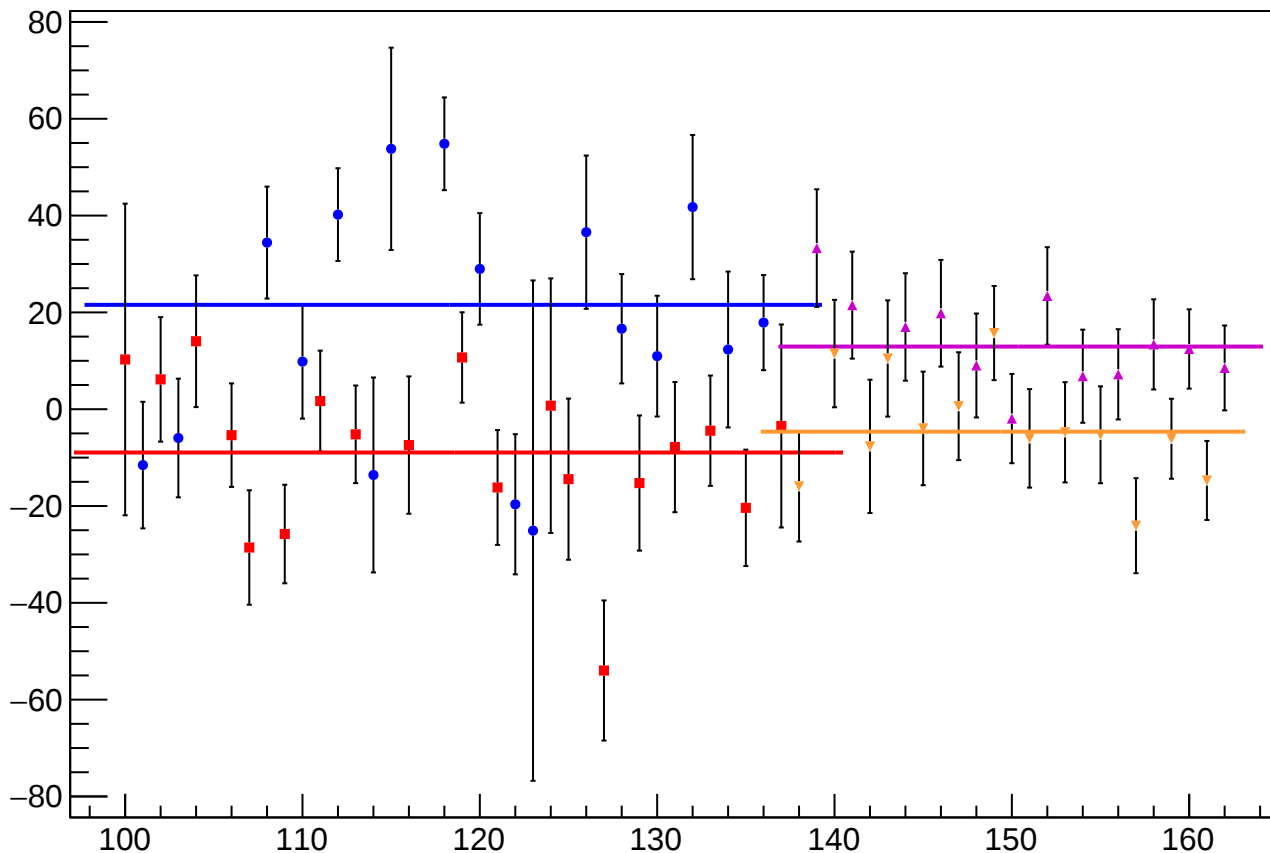
Left In: 1065.105 $\pm$ 0.253 χ^2 /NDF:1379213.7/11

+ sign 1030.379 $\pm$ 0.184 χ^2 /NDF: 1377289.4/29

All: 1044.179 $\pm$ 0.131 χ^2 /NDF: 2851851.1/60

- sign 1058.470 $\pm$ 0.187 χ^2 /NDF: 1463127.1/30

diff_bpm0l08X_mean vs Slug



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

Left Out: -4.638 $\pm$ 2.853 χ^2 /NDF:14.8/12

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

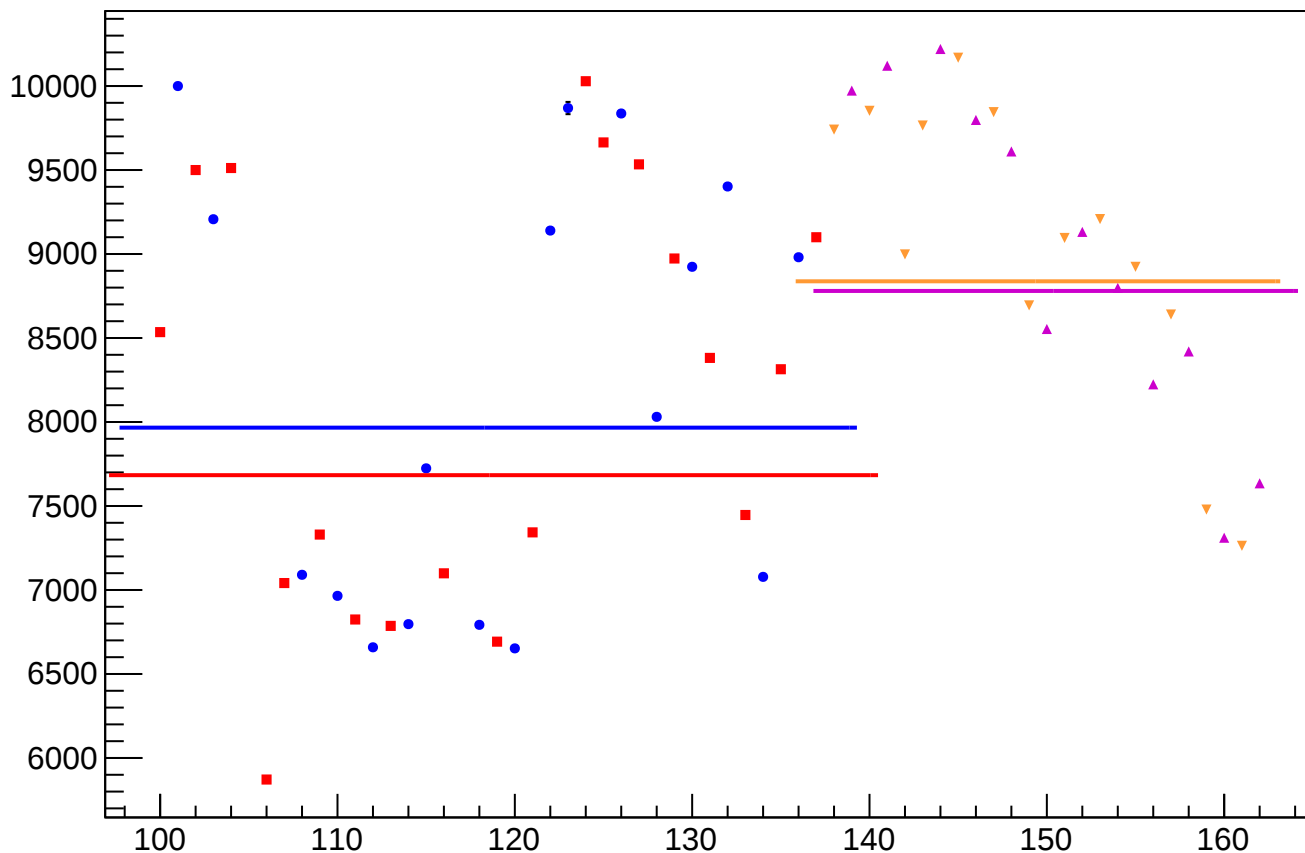
Left In: 12.940 $\pm$ 2.847 χ^2 /NDF:8.8/11

+ sign 7.331 $\pm$ 2.102 χ^2 /NDF: 101.8/29

All: 4.706 $\pm$ 1.462 χ^2 /NDF: 169.9/60

- sign 2.244 $\pm$ 2.036 χ^2 /NDF: 65.1/30

diff_bpm0l08X_rms vs Slug



Right In: 7966.405+/-2.199 χ^2/NDF : 296611.1/16

Left Out: 8837.516+/-2.017 χ^2/NDF : 217189.9/12

Right Out: 7683.479+/-2.059 χ^2/NDF : 315033.7/18

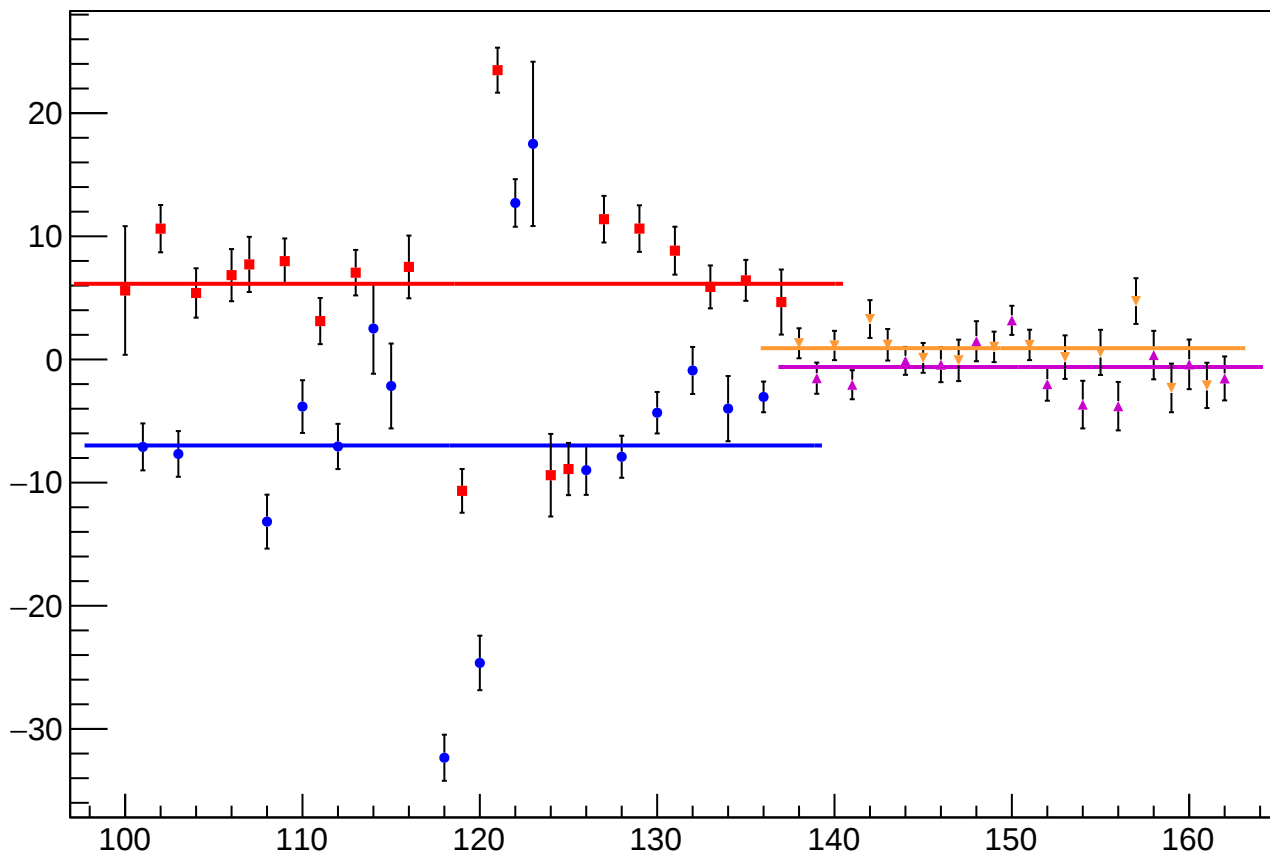
Left In: 8780.128+/-2.013 χ^2/NDF : 223564.6/11

+ sign 8439.554+/-1.487 χ^2/NDF : 599009.3/29

All: 8338.686+/-1.034 χ^2/NDF : 1291547.9/60

- sign 8244.100+/-1.440 χ^2/NDF : 683617.1/30

diff_bpm0l08Y_mean vs Slug



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

Left Out: 0.918 $\pm$ 0.401 χ^2 /NDF:13.2/12

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

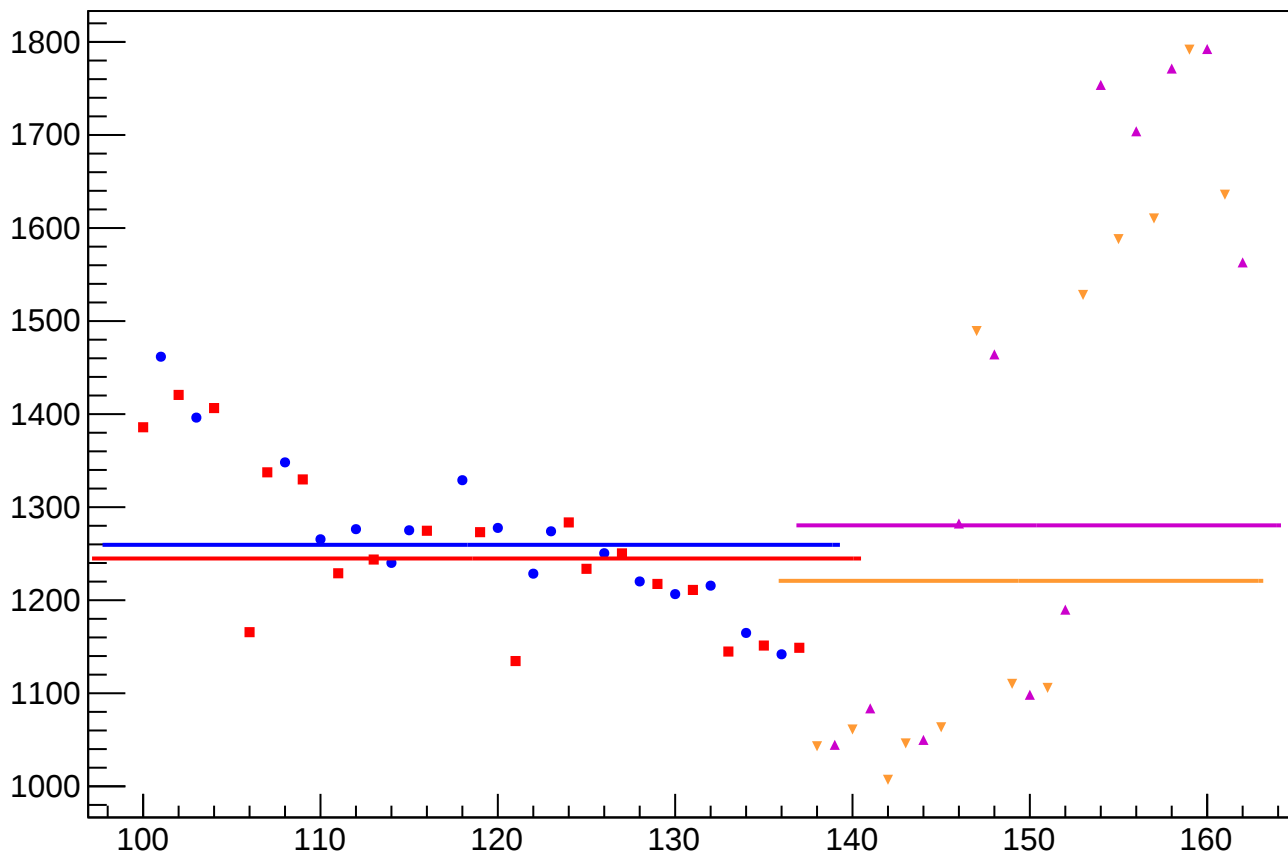
Left In: -0.612 $\pm$ 0.422 χ^2 /NDF:20.8/11

+ sign -2.283 $\pm$ 0.309 χ^2 /NDF: 578.9/29

All: 0.046 $\pm$ 0.220 χ^2 /NDF: 1107.1/60

- sign 2.431 $\pm$ 0.313 χ^2 /NDF: 413.6/30

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1220.831 $\pm$ 0.284 χ^2 /NDF: 770401.3/12

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

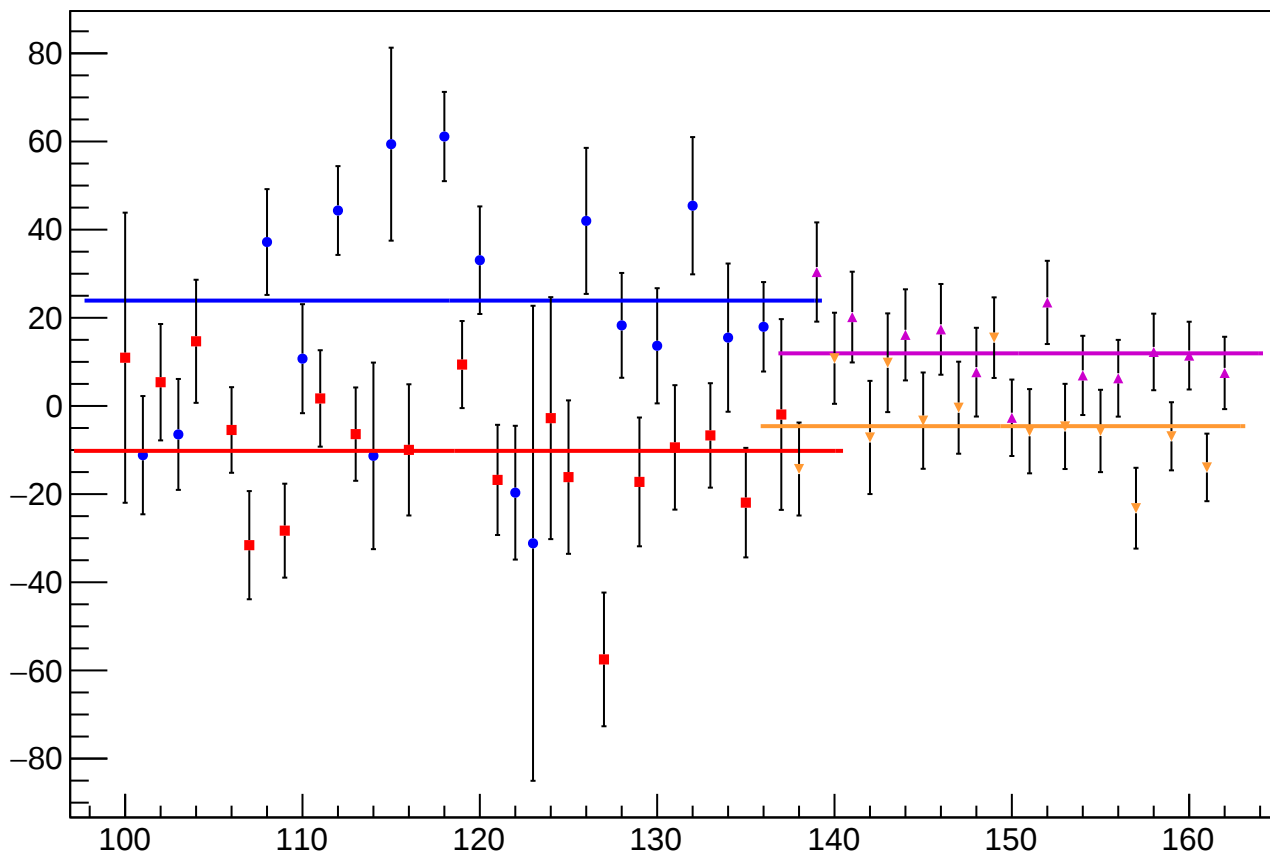
Left In: 1280.455 $\pm$ 0.299 χ^2 /NDF: 805639.3/11

+ sign 1236.507 $\pm$ 0.219 χ^2 /NDF: 842785.0/29

All: 1250.290 $\pm$ 0.156 χ^2 /NDF: 1729687.7/60

- sign 1264.411 $\pm$ 0.221 χ^2 /NDF: 878868.5/30

diff_bpm0l09X_mean vs Slug



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

Left Out: -4.583 ± 2.666 $\chi^2/\text{NDF}: 15.5/12$

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

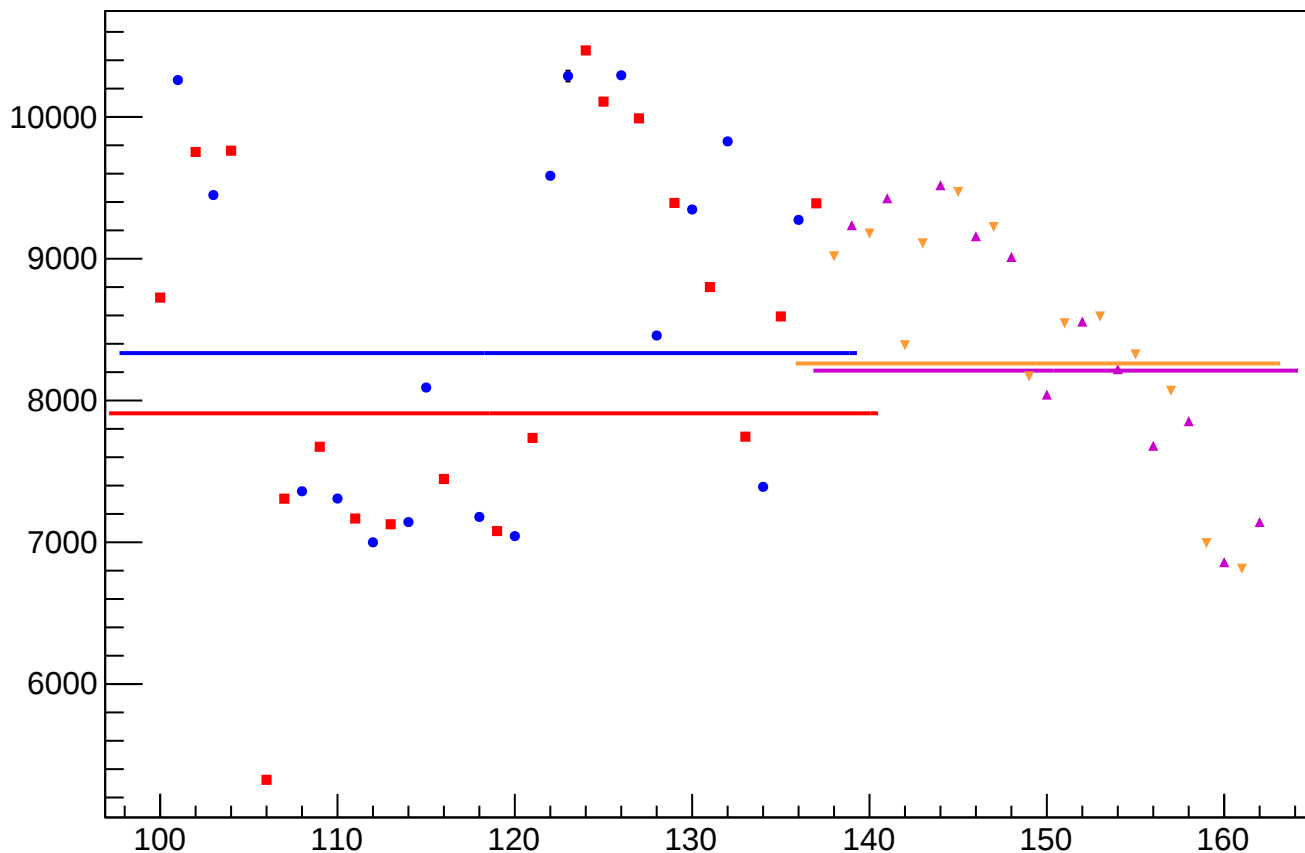
Left In: 11.935 ± 2.662 $\chi^2/\text{NDF}: 9.3/11$

+ sign 6.873 ± 2.061 $\chi^2/\text{NDF}: 113.8/29$

All: 4.462 ± 1.433 $\chi^2/\text{NDF}: 184.1/60$

- sign 2.209 ± 1.993 $\chi^2/\text{NDF}: 67.6/30$

diff_bpm0l09X_rms vs Slug



Right In: 8334.507+/-2.299 χ^2/NDF : 272302.6/16

Left Out: 8261.319+/-1.885 χ^2/NDF : 209576.4/12

Right Out: 7909.620+/-2.125 χ^2/NDF : 390819.3/18

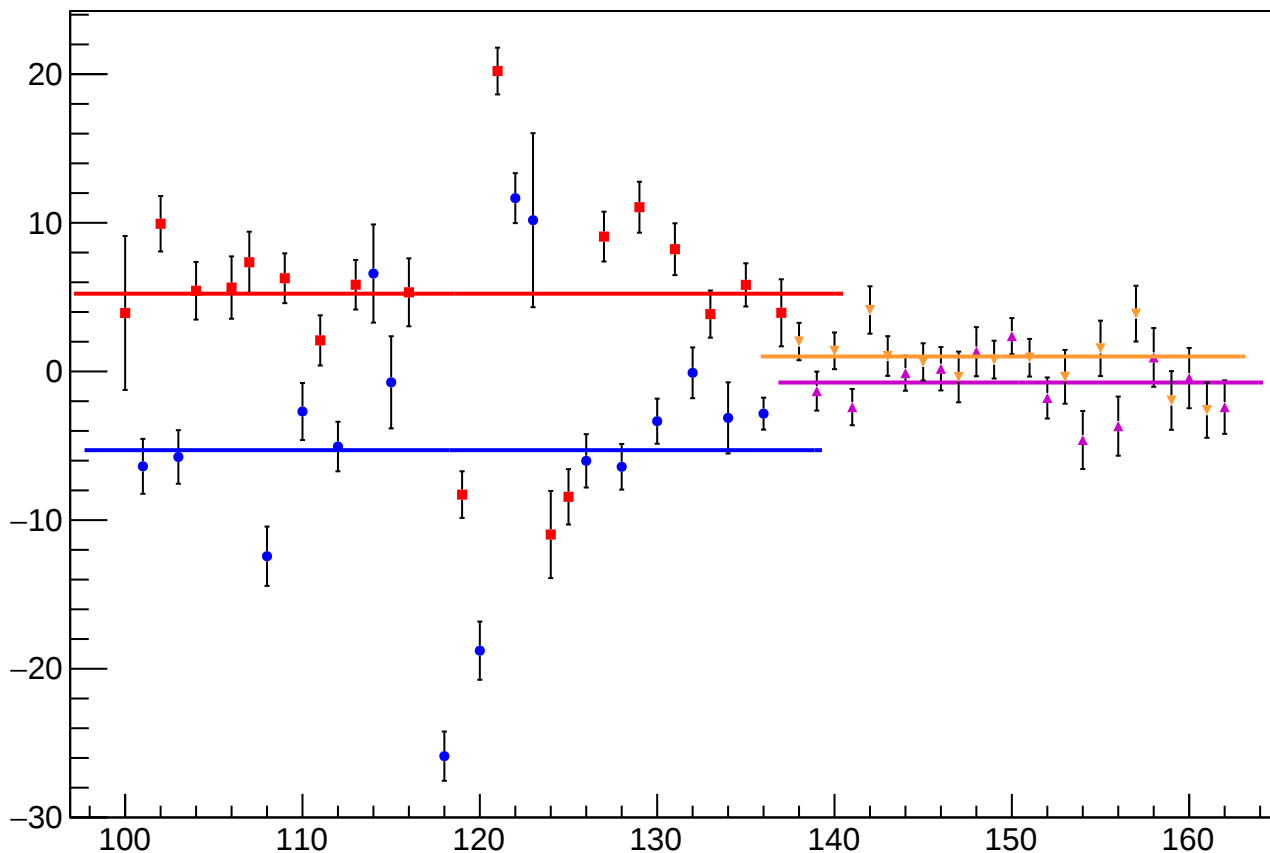
Left In: 8210.814+/-1.882 χ^2/NDF : 216067.7/11

+ sign 8290.750+/-1.458 χ^2/NDF : 482485.1/29

All: 8180.992+/-1.013 χ^2/NDF : 1111597.9/60

- sign 8078.415+/-1.409 χ^2/NDF : 618142.8/30

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.007 ± 0.412 χ^2/NDF : 14.4/12

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

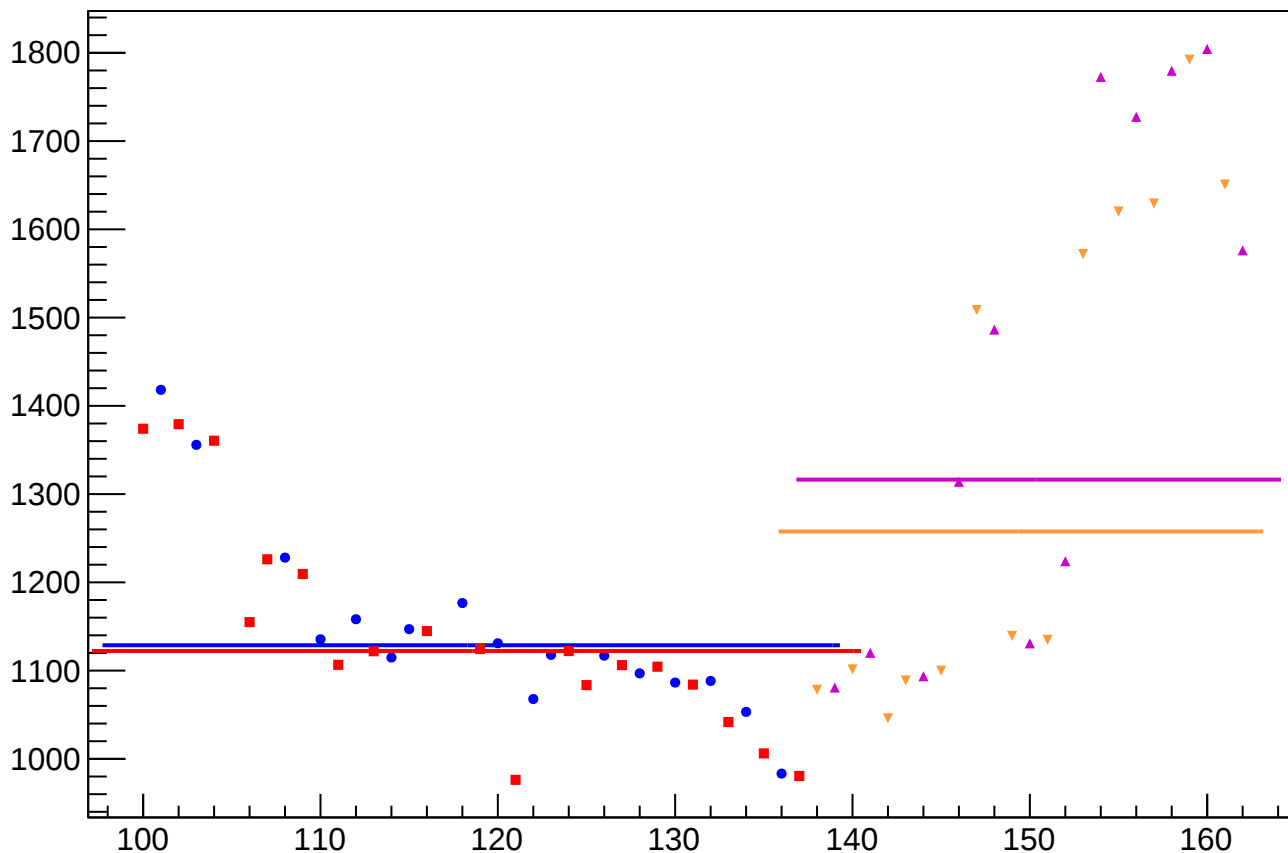
Left In: -0.743 ± 0.433 χ^2/NDF : 19.1/11

+ sign -1.961 ± 0.300 χ^2/NDF : 482.7/29

All: 0.166 ± 0.213 χ^2/NDF : 982.8/60

- sign 2.325 ± 0.302 χ^2/NDF : 398.8/30

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1257.646 $\pm$ 0.291 χ^2 /NDF: 701917.6/12

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

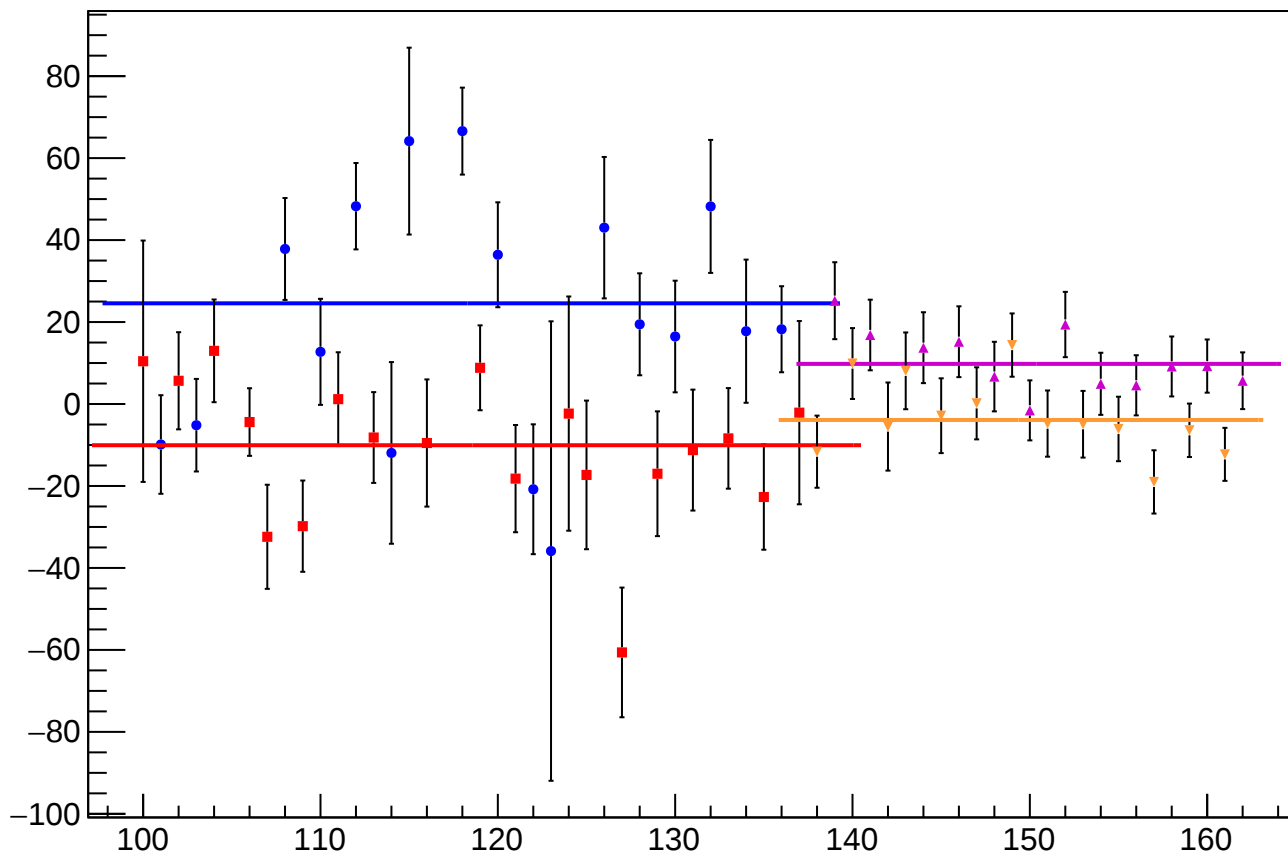
Left In: 1316.430 $\pm$ 0.306 χ^2 /NDF: 726515.1/11

+ sign 1196.942 $\pm$ 0.212 χ^2 /NDF: 927155.8/29

All: 1206.764 $\pm$ 0.150 χ^2 /NDF: 1994039.4/60

- sign 1216.740 $\pm$ 0.214 χ^2 /NDF: 1062555.8/30

diff_bpm0l10X_mean vs Slug



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

Left Out: -3.892 ± 2.242 $\chi^2/\text{NDF}: 16.6/12$

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

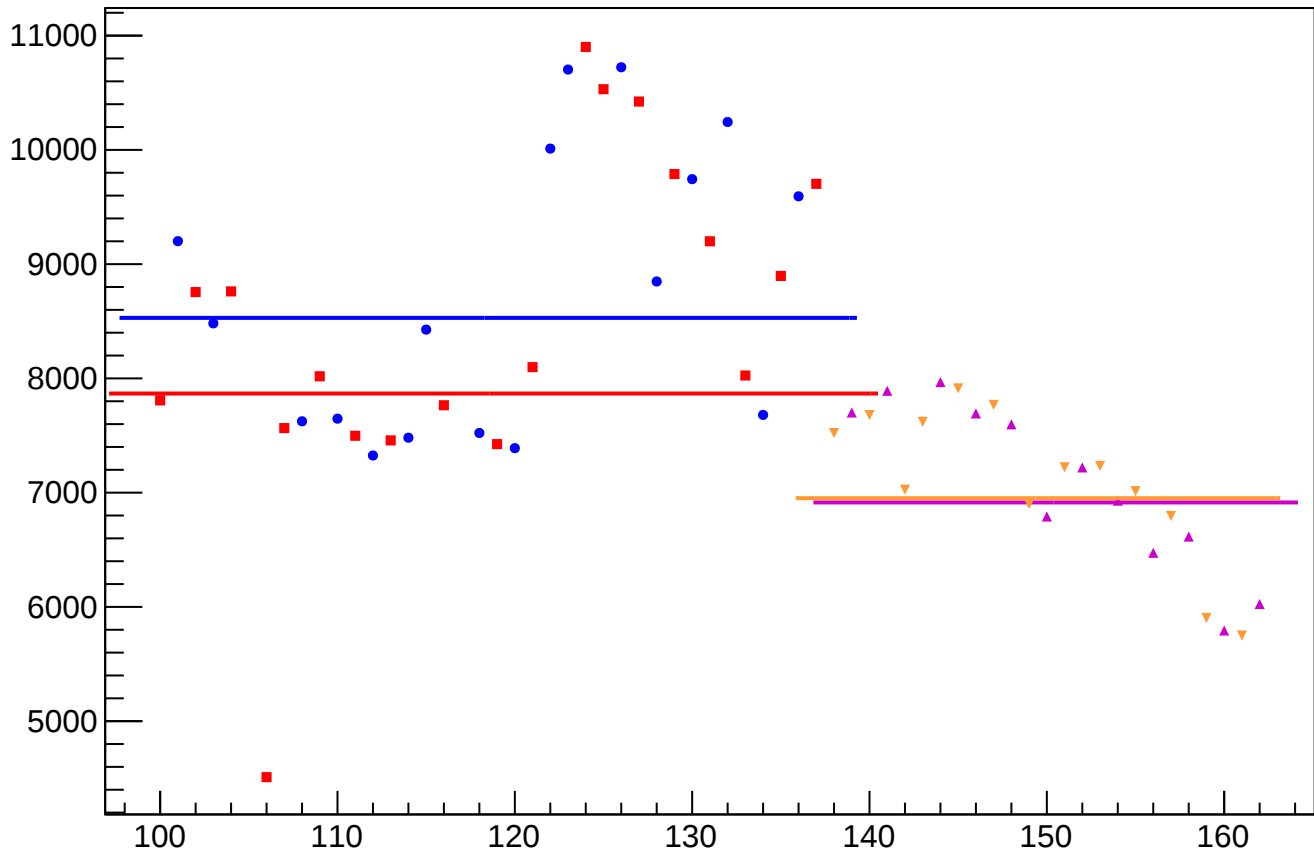
Left In: 9.790 ± 2.241 $\chi^2/\text{NDF}: 9.2/11$

+ sign 5.030 ± 1.858 $\chi^2/\text{NDF}: 125.2/29$

All: 3.829 ± 1.292 $\chi^2/\text{NDF}: 192.0/60$

- sign 2.706 ± 1.797 $\chi^2/\text{NDF}: 66.1/30$

diff_bpm0l10X_rms vs Slug



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

Left Out: 6951.644+/-1.586 χ^2/NDF : 198641.7/12

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

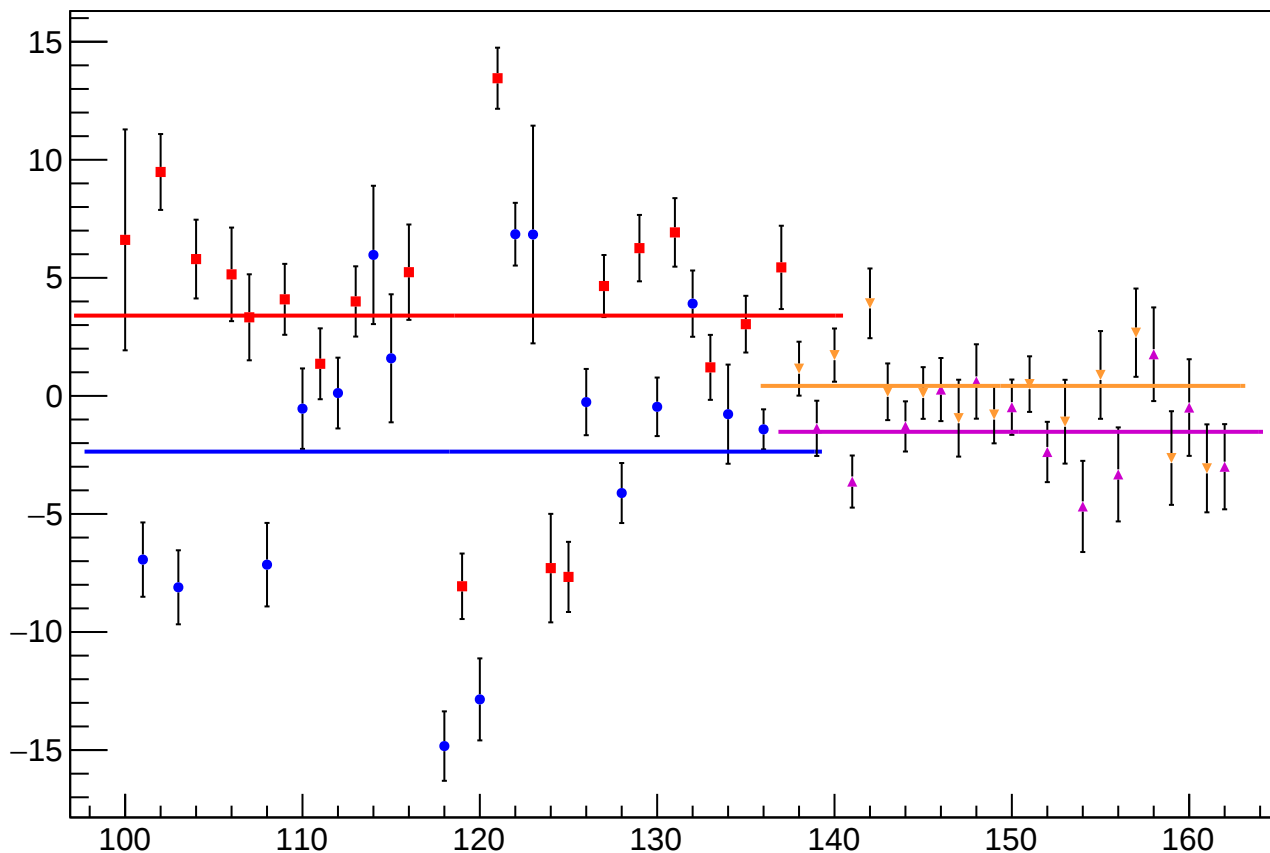
Left In: 6914.350+/-1.584 χ^2/NDF : 205412.1/11

+ sign 7446.403+/-1.314 χ^2/NDF : 717528.6/29

All: 7347.288+/-0.913 χ^2/NDF : 1618988.5/60

- sign 7254.587+/-1.271 χ^2/NDF : 890445.5/30

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.424 ± 0.385 χ^2/NDF : 17.3/12

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

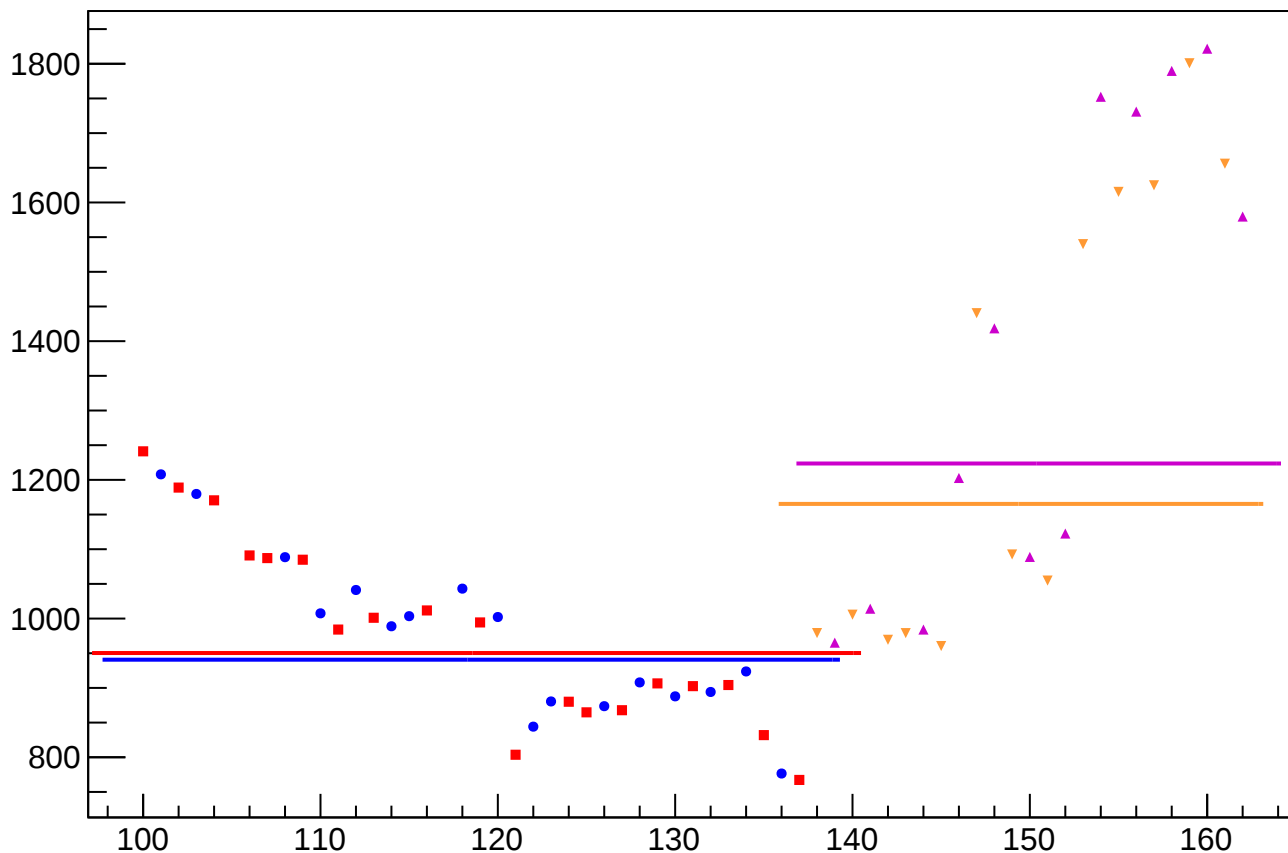
Left In: -1.521 ± 0.406 χ^2/NDF : 15.7/11

+ sign -1.040 ± 0.265 χ^2/NDF : 276.8/29

All: 0.088 ± 0.189 χ^2/NDF : 653.3/60

- sign 1.248 ± 0.269 χ^2/NDF : 339.8/30

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1165.332 $\pm$ 0.272 χ^2 /NDF: 999879.6/12

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

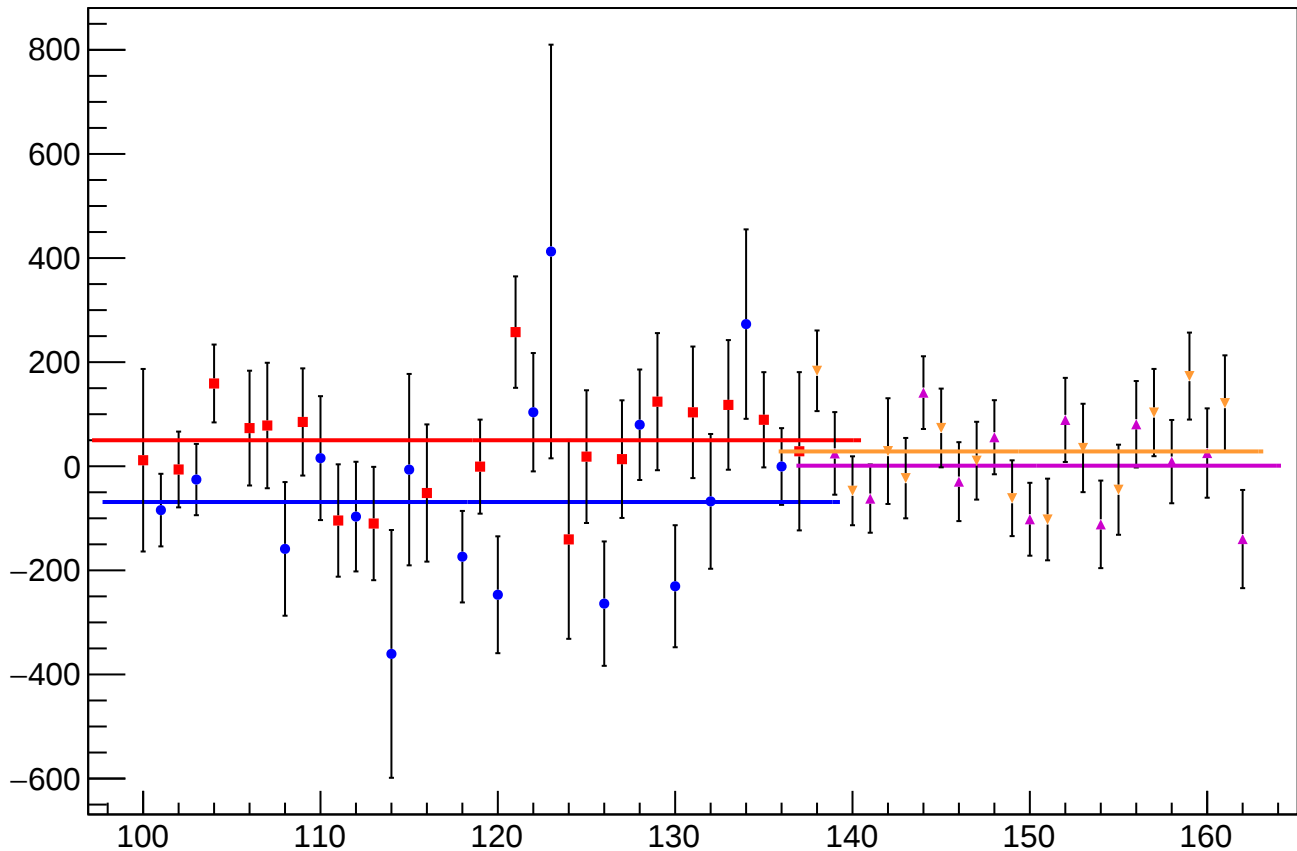
Left In: 1223.603 $\pm$ 0.287 χ^2 /NDF: 1032740.1/11

+ sign 1047.201 $\pm$ 0.187 χ^2 /NDF: 1599799.8/29

All: 1058.392 $\pm$ 0.133 χ^2 /NDF: 3369807.4/60

- sign 1069.885 $\pm$ 0.190 χ^2 /NDF: 1762782.1/30

diff_bpm0r03X_mean vs Slug



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

Left Out: 28.474 ± 22.137 χ^2/NDF : 16.0/12

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

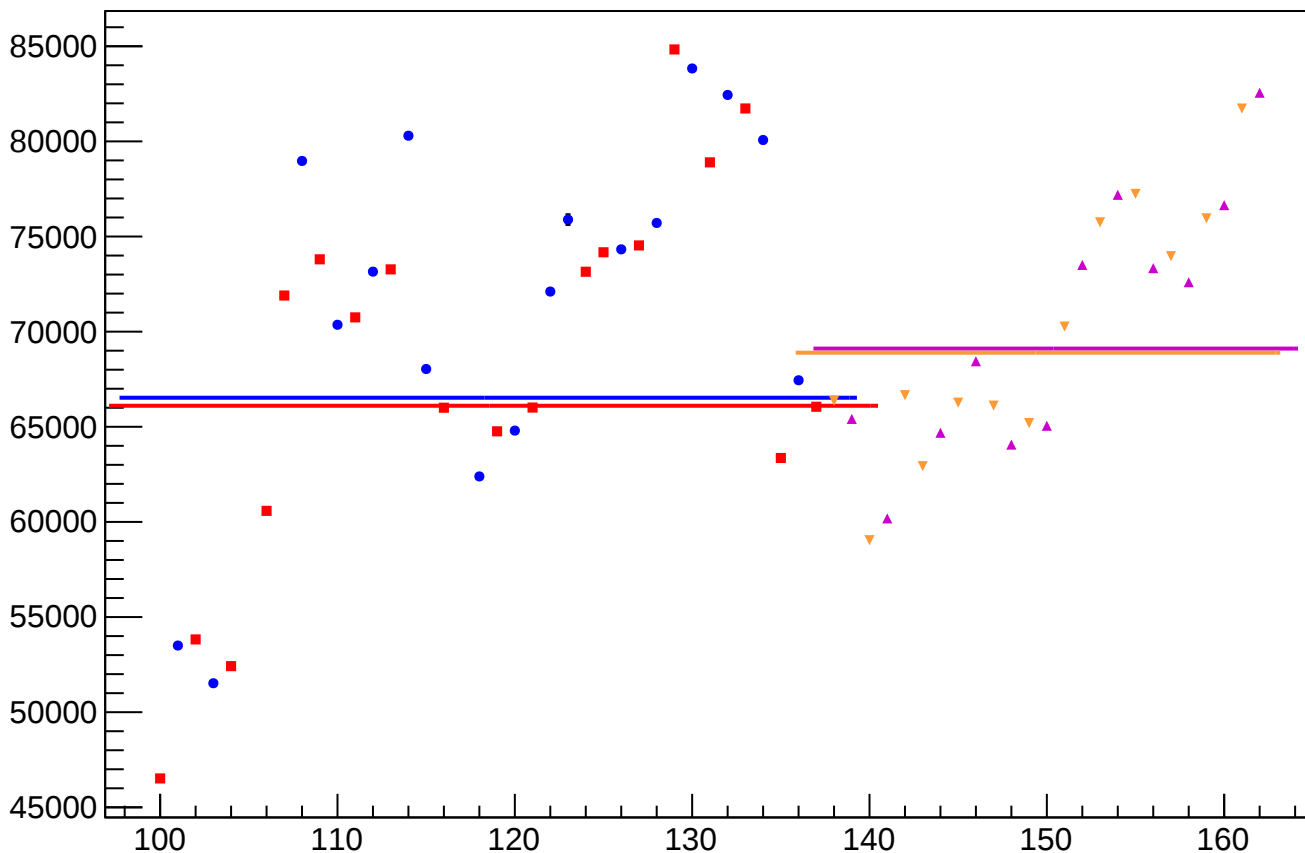
Left In: 1.092 ± 22.275 χ^2/NDF : 14.2/11

+ sign -12.459 ± 16.841 χ^2/NDF : 45.9/29

All: 5.334 ± 11.835 χ^2/NDF : 78.4/60

- sign 22.699 ± 16.637 χ^2/NDF : 30.3/30

diff_bpm0r03X_rms vs Slug



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

Left Out: 68894.321+/-15.653 χ^2/NDF : 162556.9/12

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

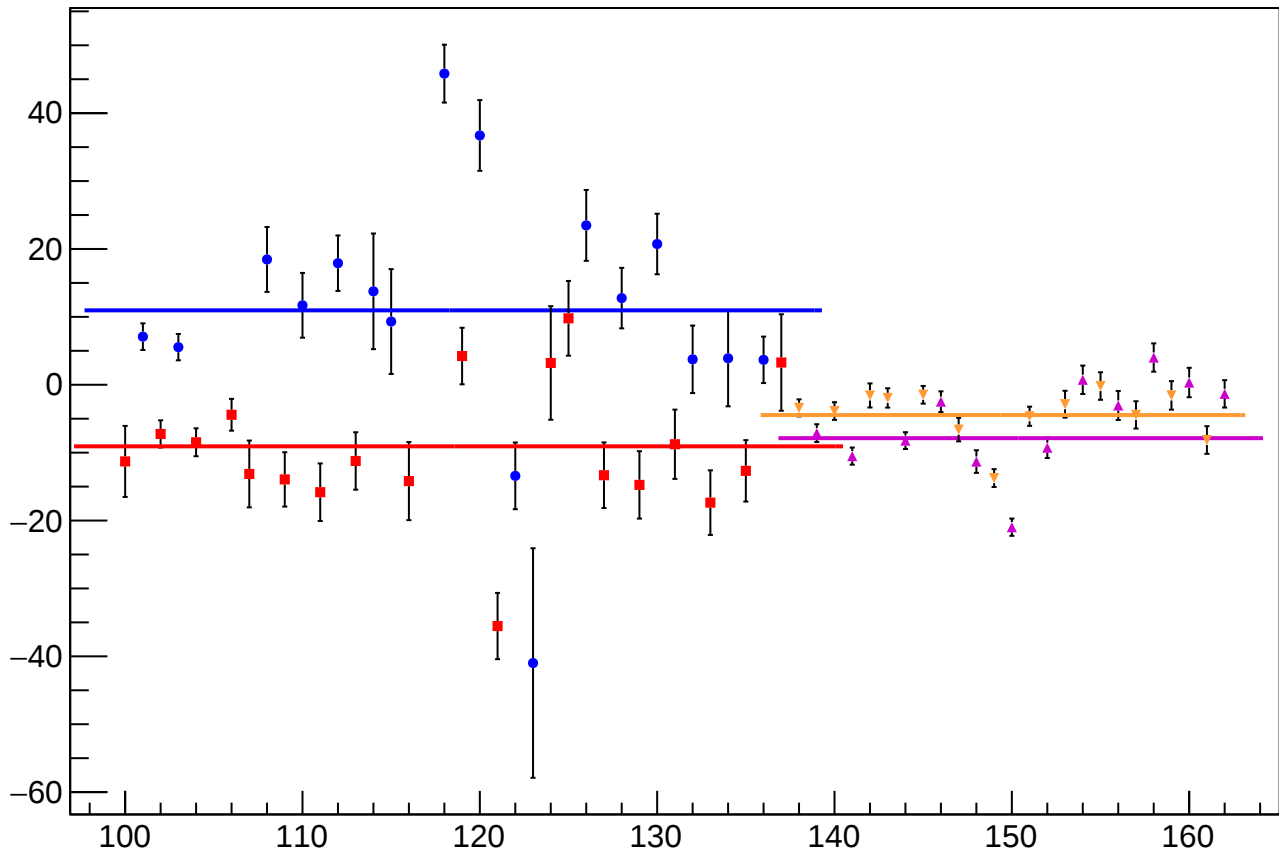
Left In: 69110.491+/-15.751 χ^2/NDF : 155784.5/11

+ sign 67897.107+/-11.908 χ^2/NDF : 493077.5/29

All: 67838.828+/-8.369 χ^2/NDF : 963484.9/60

- sign 67781.950+/-11.764 χ^2/NDF : 470360.1/30

diff_bpm0r03Y_mean vs Slug



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

Left Out: -4.462 ± 0.436 χ^2/NDF : 73.6/12

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

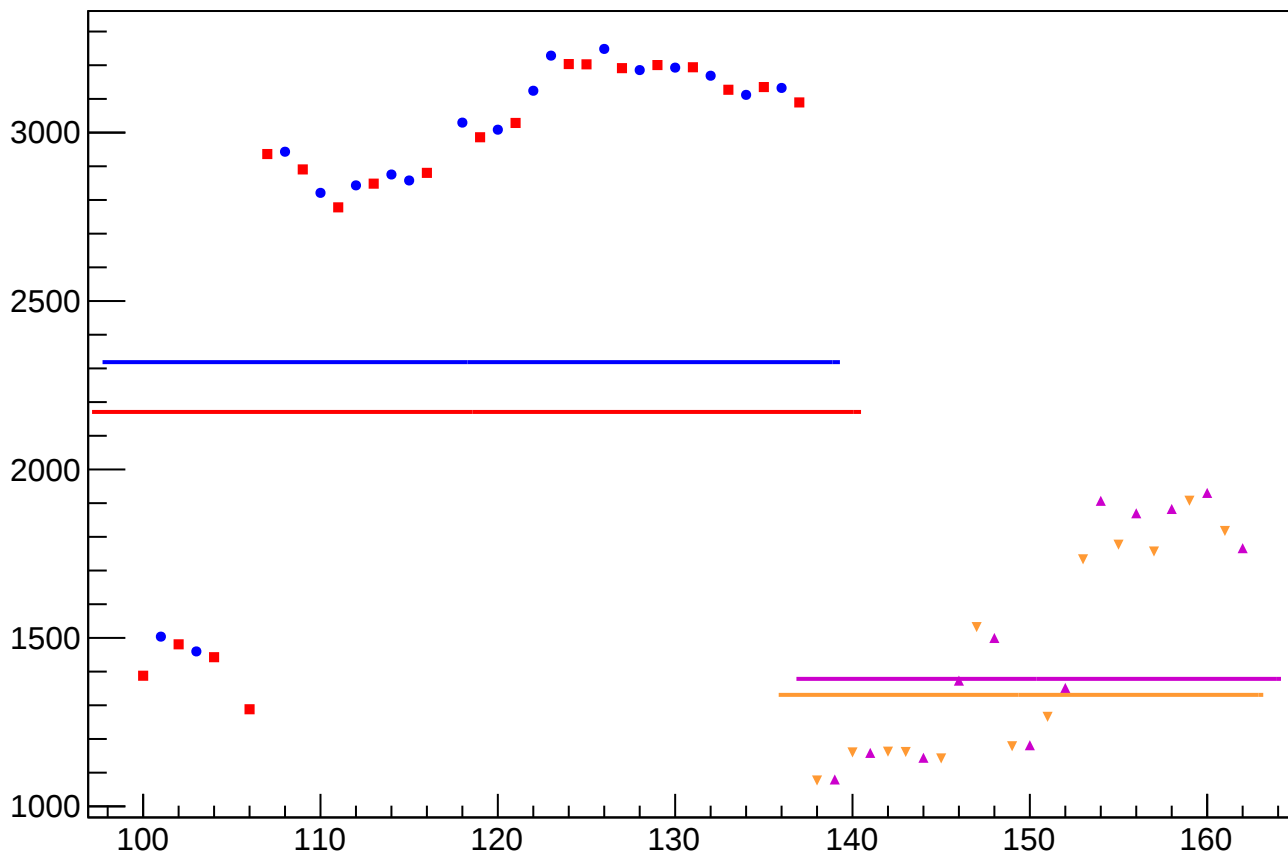
Left In: -7.867 ± 0.454 χ^2/NDF : 208.2/11

+ sign -1.744 ± 0.396 χ^2/NDF : 454.7/29

All: -4.885 ± 0.282 χ^2/NDF : 865.3/60

- sign -8.126 ± 0.402 χ^2/NDF : 282.8/30

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1330.935+/-0.309 χ^2/NDF : 796483.4/12

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

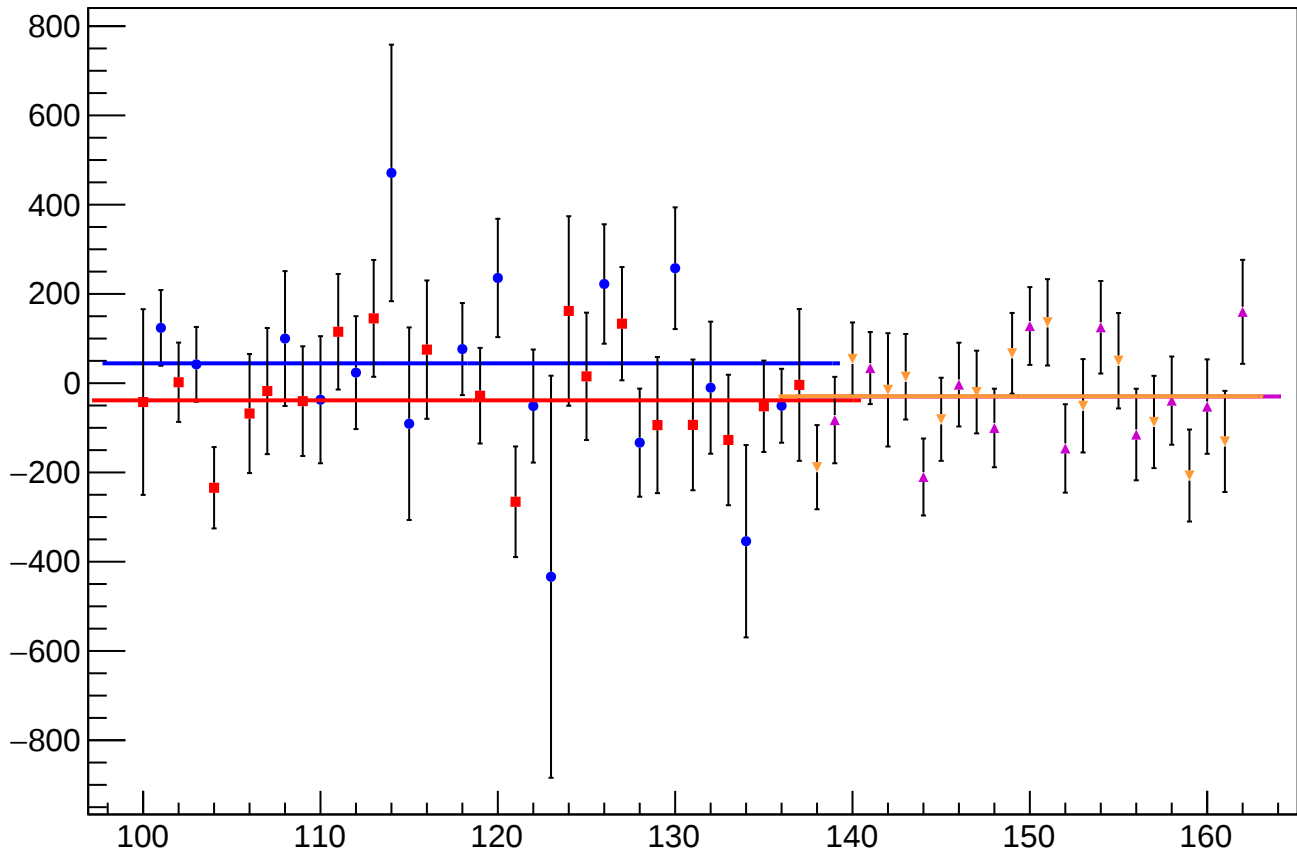
Left In: 1378.423+/-0.321 χ^2/NDF : 850462.0/11

+ sign 1505.083+/-0.280 χ^2/NDF : 4011281.9/29

All: 1526.829+/-0.200 χ^2/NDF : 7939976.9/60

- sign 1549.265+/-0.284 χ^2/NDF : 3916444.1/30

diff_bpm0r05X_mean vs Slug



Right In: 44.484 $\pm$ 30.432 χ^2 /NDF: 19.1/16

Left Out: -29.337 $\pm$ 27.336 χ^2 /NDF:13.2/12

Right Out: -38.425 $\pm$ 29.435 χ^2 /NDF: 15.7/18

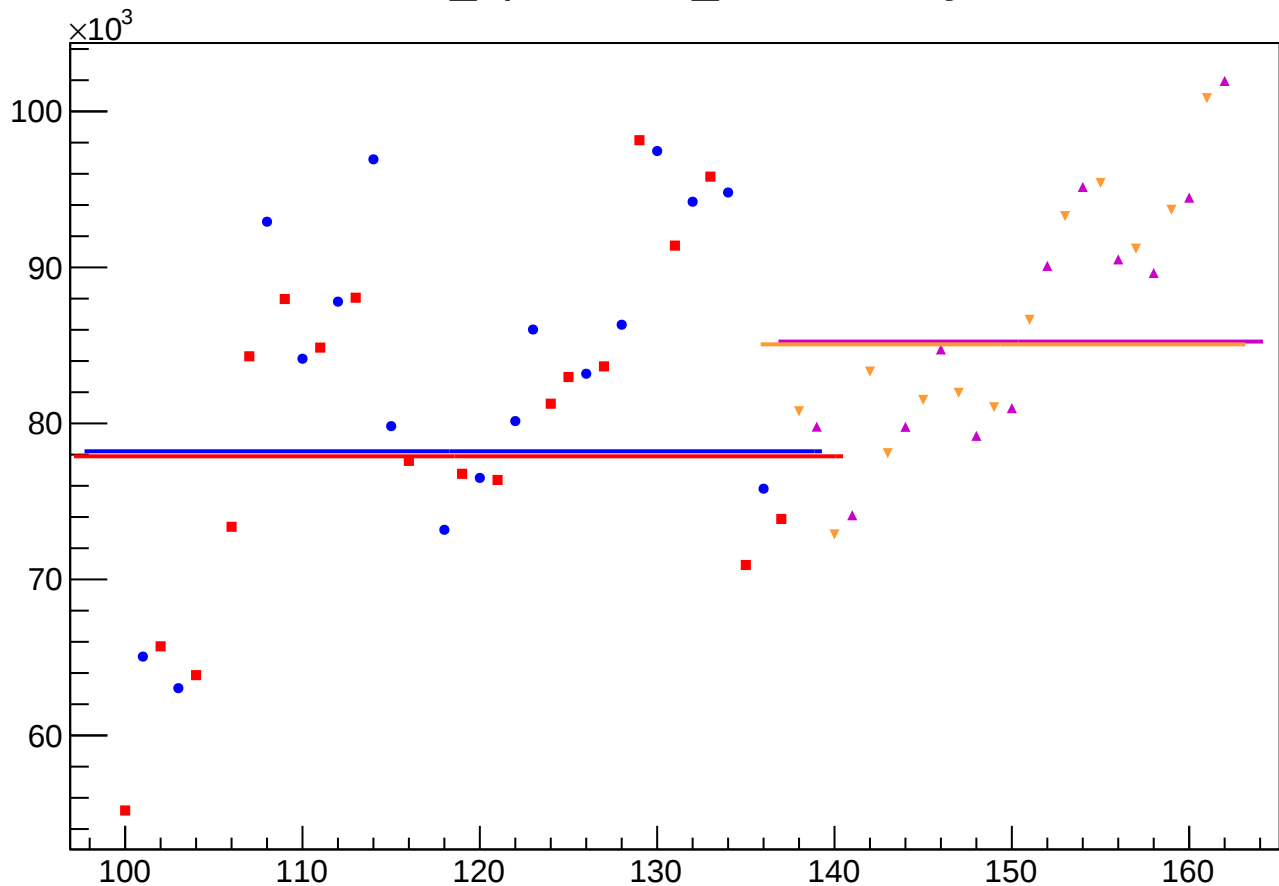
Left In: -29.791 $\pm$ 27.479 χ^2 /NDF:16.3/11

+ sign 3.628 $\pm$ 20.336 χ^2 /NDF: 35.5/29

All: -15.323 $\pm$ 14.291 χ^2 /NDF: 69.3/60

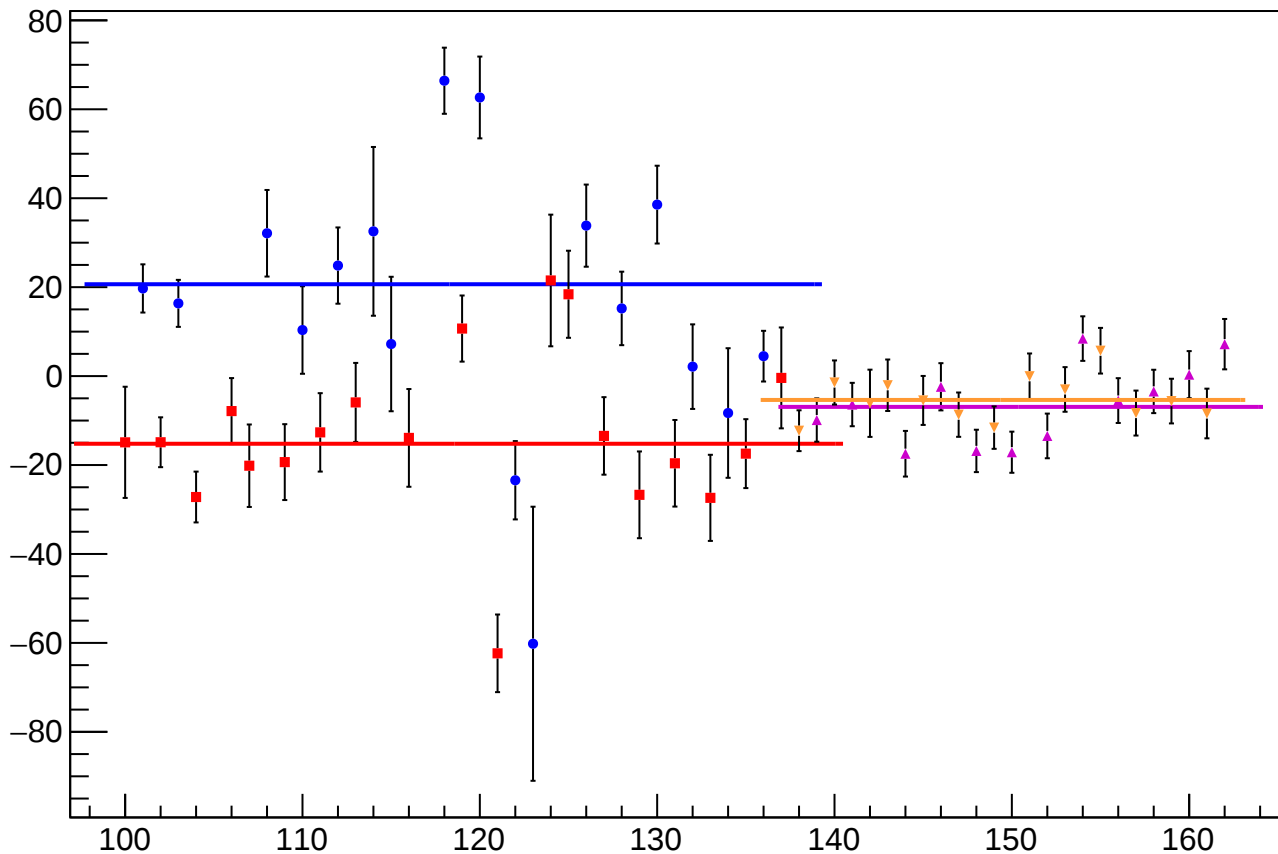
- sign -33.812 $\pm$ 20.087 χ^2 /NDF: 32.1/30

diff_bpm0r05X_rms vs Slug



Right In: 78213.025+/-21.519	χ^2/NDF : 251056.7/16	+ sign 82006.647+/-14.380	χ^2/NDF : 467320.4/29
Left Out: 85067.705+/-19.330	χ^2/NDF : 160105.0/12	All: 81913.239+/-10.105	χ^2/NDF : 936388.6/6
Right Out: 77891.938+/-20.814	χ^2/NDF : 246970.2/18	- sign 81822.110+/-14.203	χ^2/NDF : 468984.9/30
Left In: 85247.336+/-19.431	χ^2/NDF : 155284.9/11		

diff_bpm0r05Y_mean vs Slug



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

Left Out: -5.363 ± 1.444 χ^2/NDF : 12.0/12

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

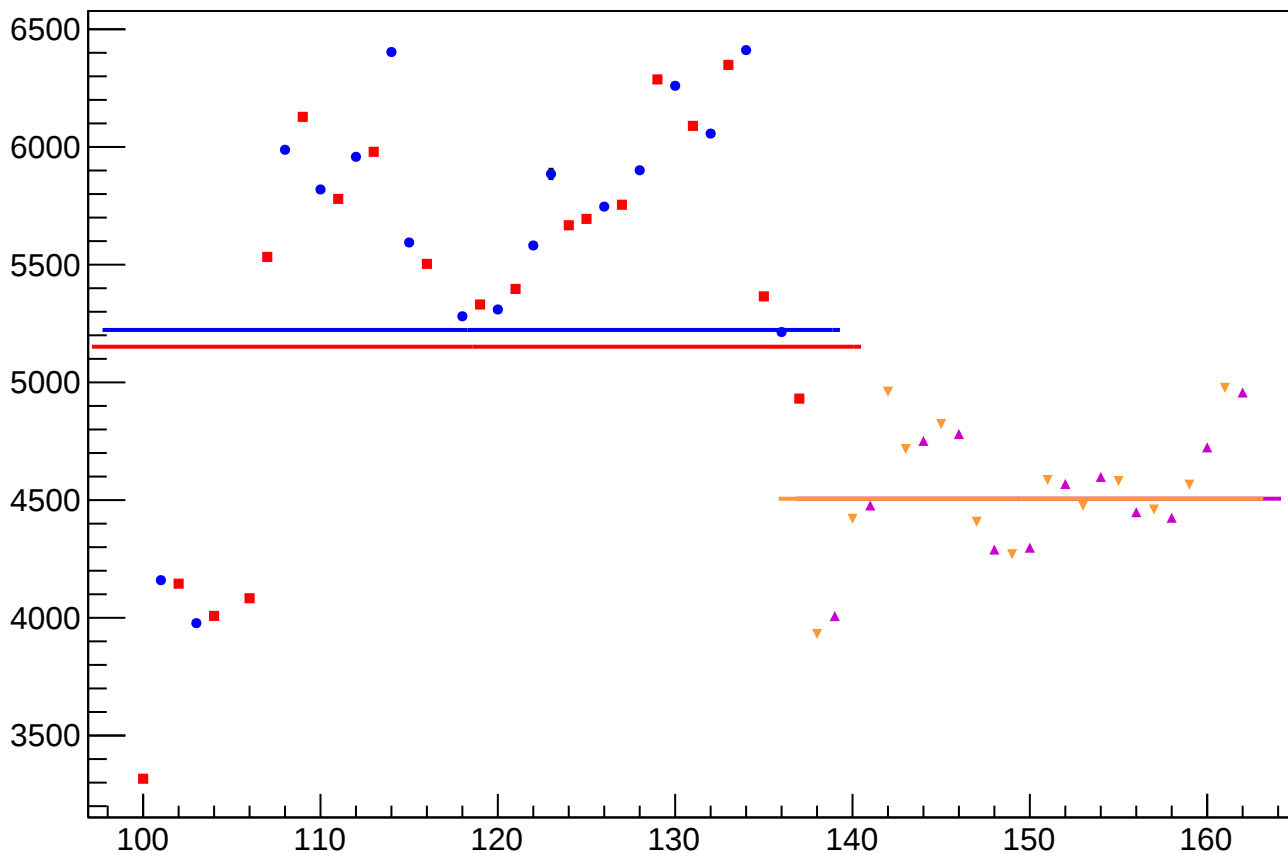
Left In: -6.925 ± 1.449 χ^2/NDF : 34.3/11

+ sign 3.348 ± 1.178 χ^2/NDF : 238.4/29

All: -3.337 ± 0.828 χ^2/NDF : 419.2/60

- sign -9.865 ± 1.164 χ^2/NDF : 117.2/30

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4505.907 $\pm$ 1.021 χ^2 /NDF: 69801.8/12

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

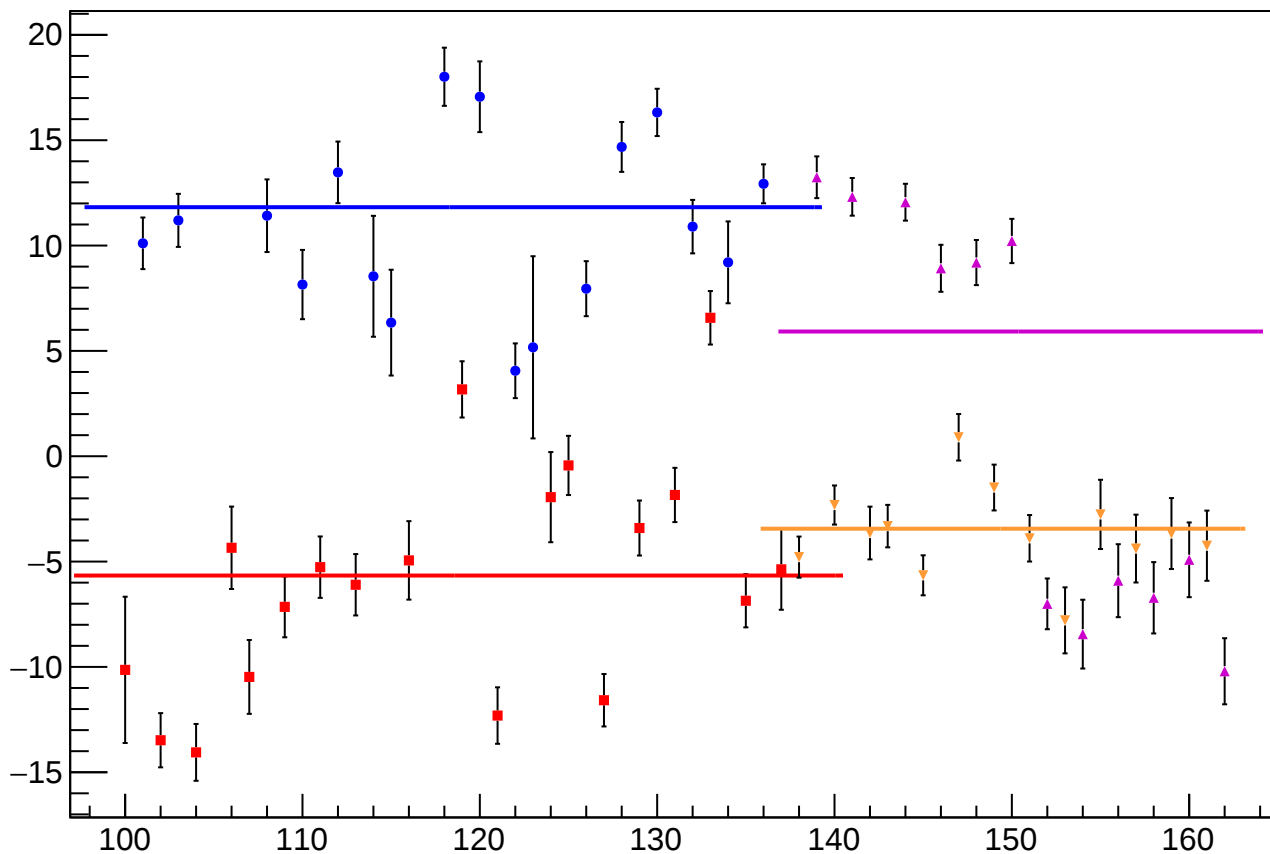
Left In: 4506.016 $\pm$ 1.025 χ^2 /NDF: 57007.0/11

+ sign 4745.911 $\pm$ 0.833 χ^2 /NDF: 547248.2/29

All: 4740.364 $\pm$ 0.585 χ^2 /NDF: 1132787.0/60

- sign 4734.948 $\pm$ 0.823 χ^2 /NDF: 585451.1/30

diff_bpm2i01X_mean vs Slug



Right In: 11.821 $\pm$ 0.344 χ^2 /NDF: 117.0/16

Left Out: -3.439 $\pm$ 0.328 χ^2 /NDF: 36.2/12

Right Out: -5.663 $\pm$ 0.338 χ^2 /NDF: 300.1/18

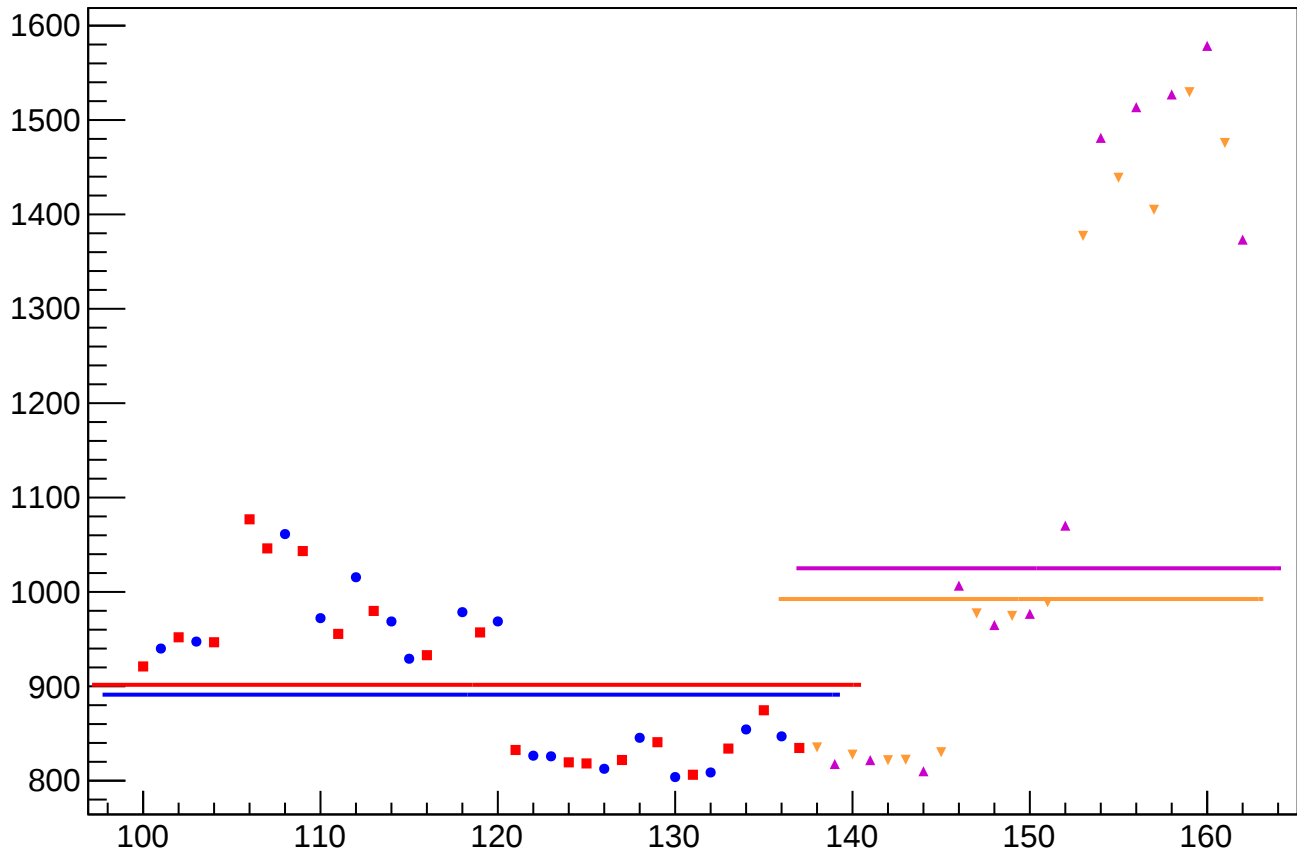
Left In: 5.920 $\pm$ 0.340 χ^2 /NDF: 626.2/11

+ sign 3.810 $\pm$ 0.237 χ^2 /NDF: 1183.2/29

All: 1.973 $\pm$ 0.169 χ^2 /NDF: 2812.8/60

- sign 0.095 $\pm$ 0.240 χ^2 /NDF: 1508.5/30

diff_bpm2i01X_rms vs Slug



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

Left Out: 992.494 ± 0.232 $\chi^2/\text{NDF}: 1039899.2/12$

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

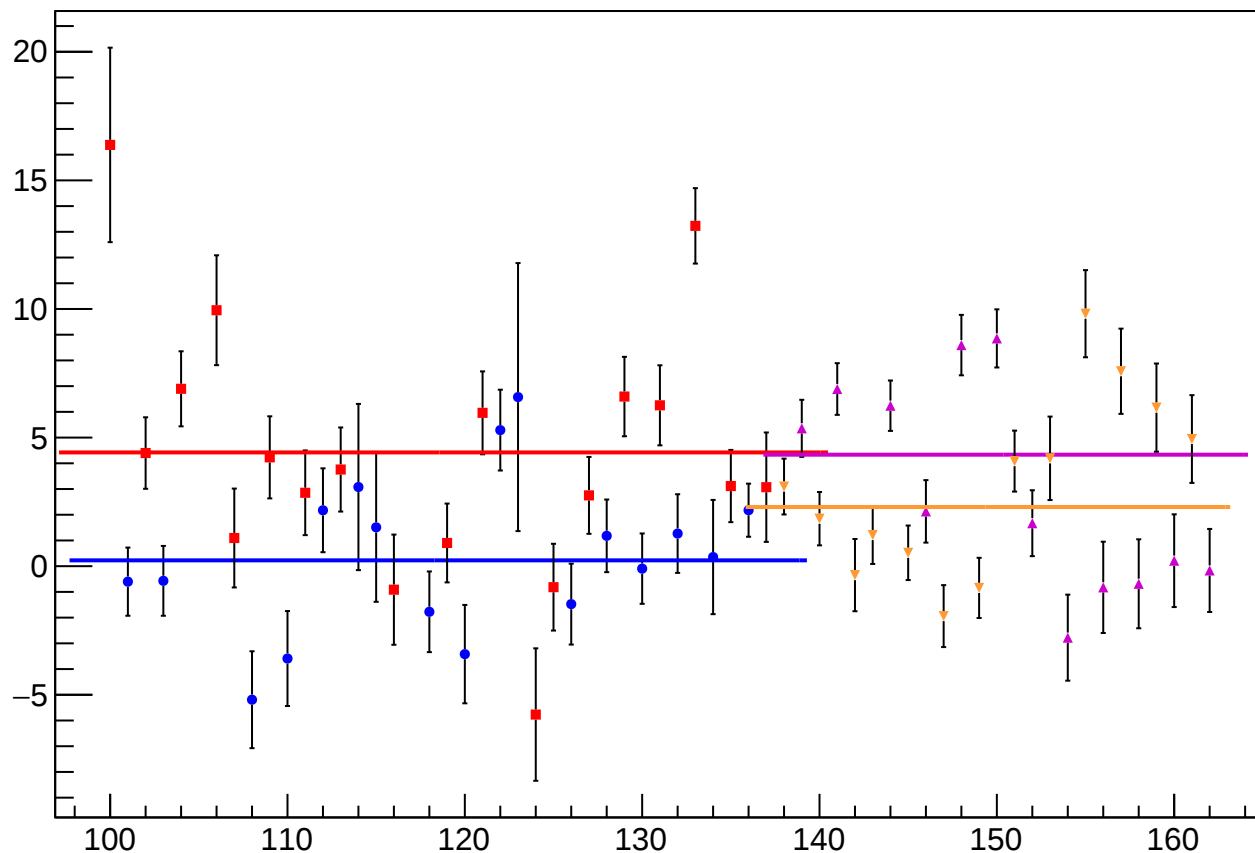
Left In: 1025.056 ± 0.241 $\chi^2/\text{NDF}: 1110209.0/11$

+ sign 944.348 ± 0.168 $\chi^2/\text{NDF}: 1232415.9/29$

All: 953.559 ± 0.119 $\chi^2/\text{NDF}: 2595613.2/60$

- sign 962.970 ± 0.170 $\chi^2/\text{NDF}: 1357112.4/30$

diff_bpm2i01Y_mean vs Slug



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

Left Out: 2.300 ± 0.356 χ^2/NDF : 68.6/12

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

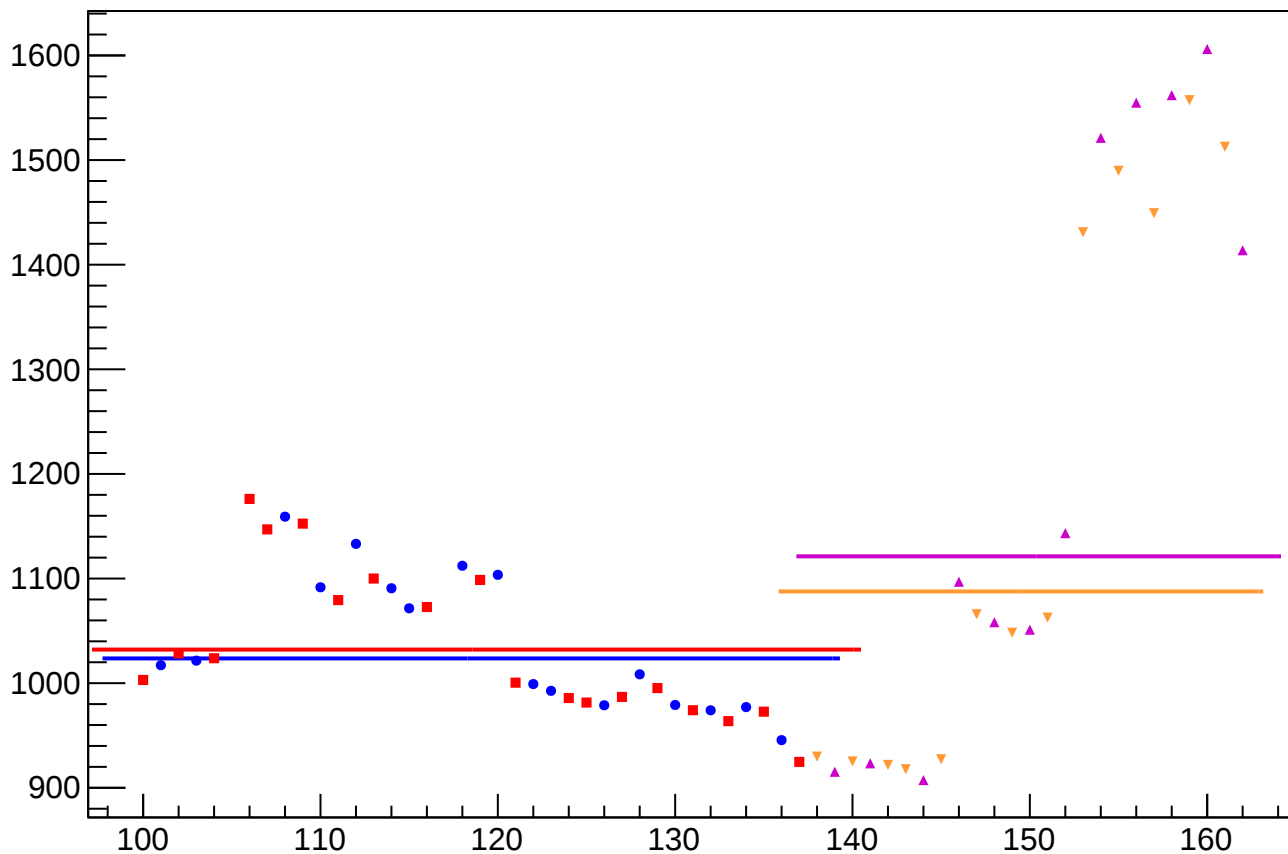
Left In: 4.335 ± 0.369 χ^2/NDF : 95.8/11

+ sign 1.370 ± 0.265 χ^2/NDF : 122.3/29

All: 2.860 ± 0.188 χ^2/NDF : 385.5/60

- sign 4.377 ± 0.267 χ^2/NDF : 199.2/30

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1087.679+/-0.252 χ^2/NDF : 786368.5/12

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

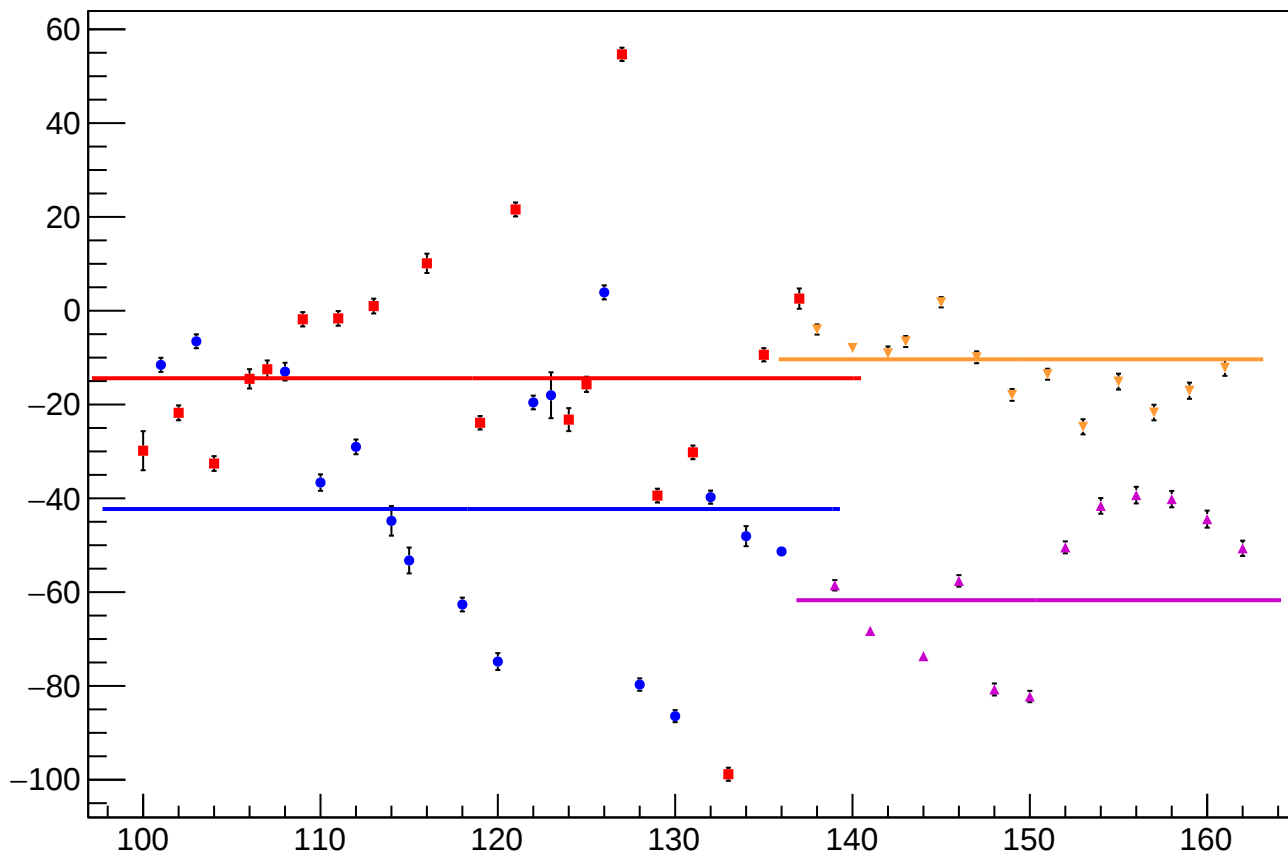
Left In: 1121.230+/-0.261 χ^2/NDF : 830776.8/11

+ sign 1058.953+/-0.187 χ^2/NDF : 867713.1/29

All: 1068.758+/-0.133 χ^2/NDF : 1819013.0/60

- sign 1078.744+/-0.189 χ^2/NDF : 945755.1/30

diff_bpm2i02X_mean vs Slug



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

Left Out: -10.358 ± 0.365 χ^2/NDF : 367.4/12

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

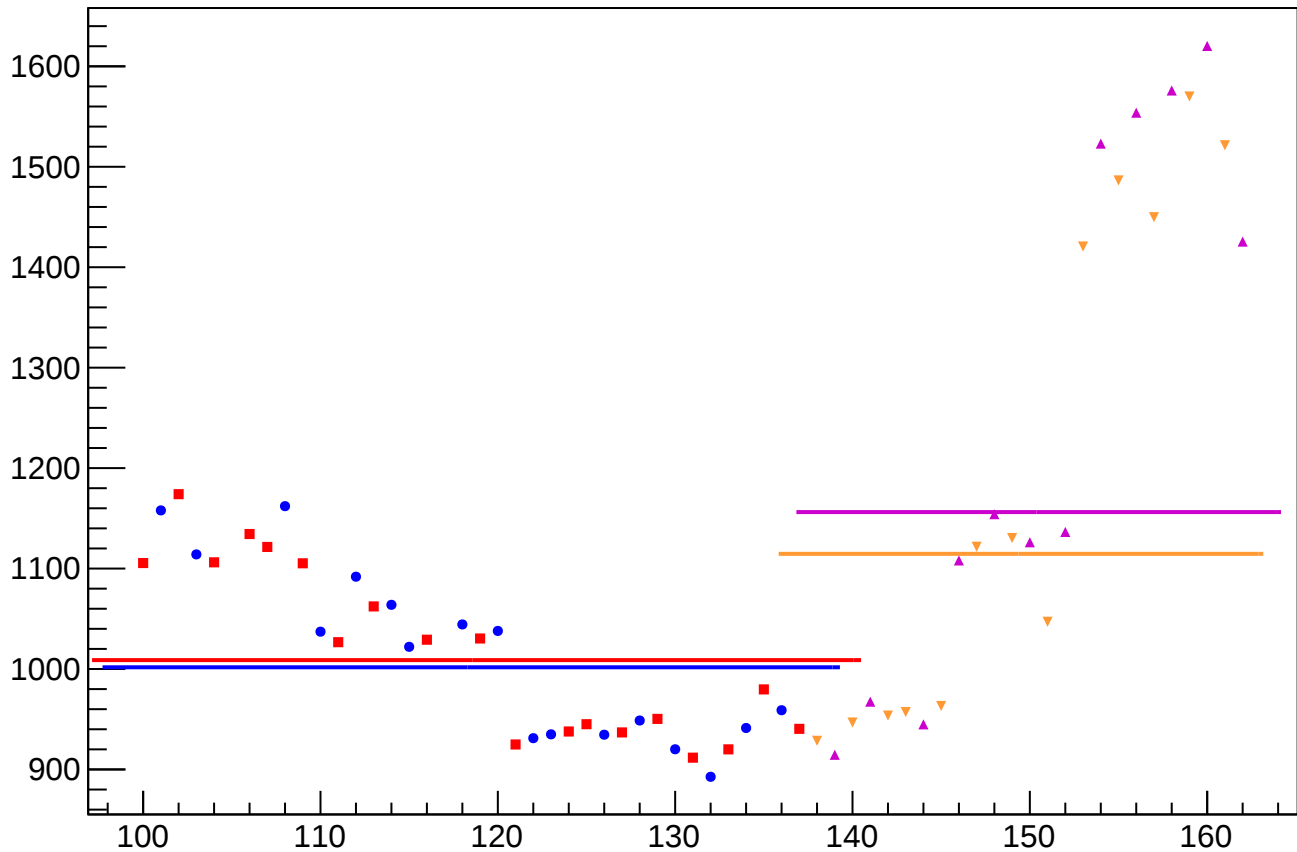
Left In: -61.721 ± 0.380 χ^2/NDF : 1373.4/11

+ sign -25.362 ± 0.265 χ^2/NDF : 9097.3/29

All: -31.601 ± 0.189 χ^2/NDF : 27046.8/60

- sign -37.968 ± 0.268 χ^2/NDF : 16833.0/30

diff_bpm2i02X_rms vs Slug



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

Left Out: 1114.657 $\pm$ 0.258 χ^2 /NDF: 715816.7/12

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

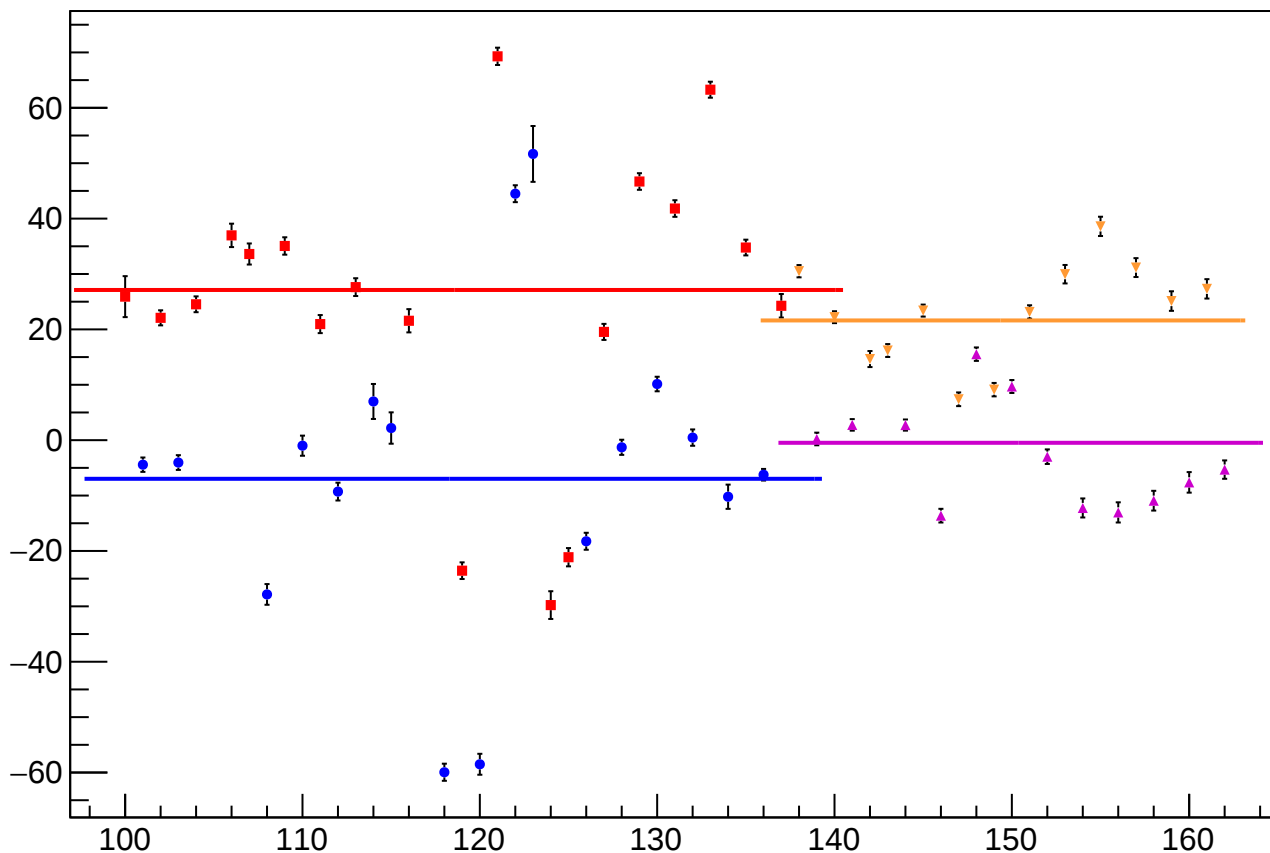
Left In: 1156.218 $\pm$ 0.269 χ^2 /NDF: 746501.7/11

+ sign 1061.565 $\pm$ 0.188 χ^2 /NDF: 901526.4/29

All: 1071.806 $\pm$ 0.133 χ^2 /NDF: 1900449.0/60

- sign 1082.256 $\pm$ 0.190 χ^2 /NDF: 992907.2/30

diff_bpm2i02Y_mean vs Slug



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

Left Out: 21.614 ± 0.367 χ^2/NDF : 518.5/12

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

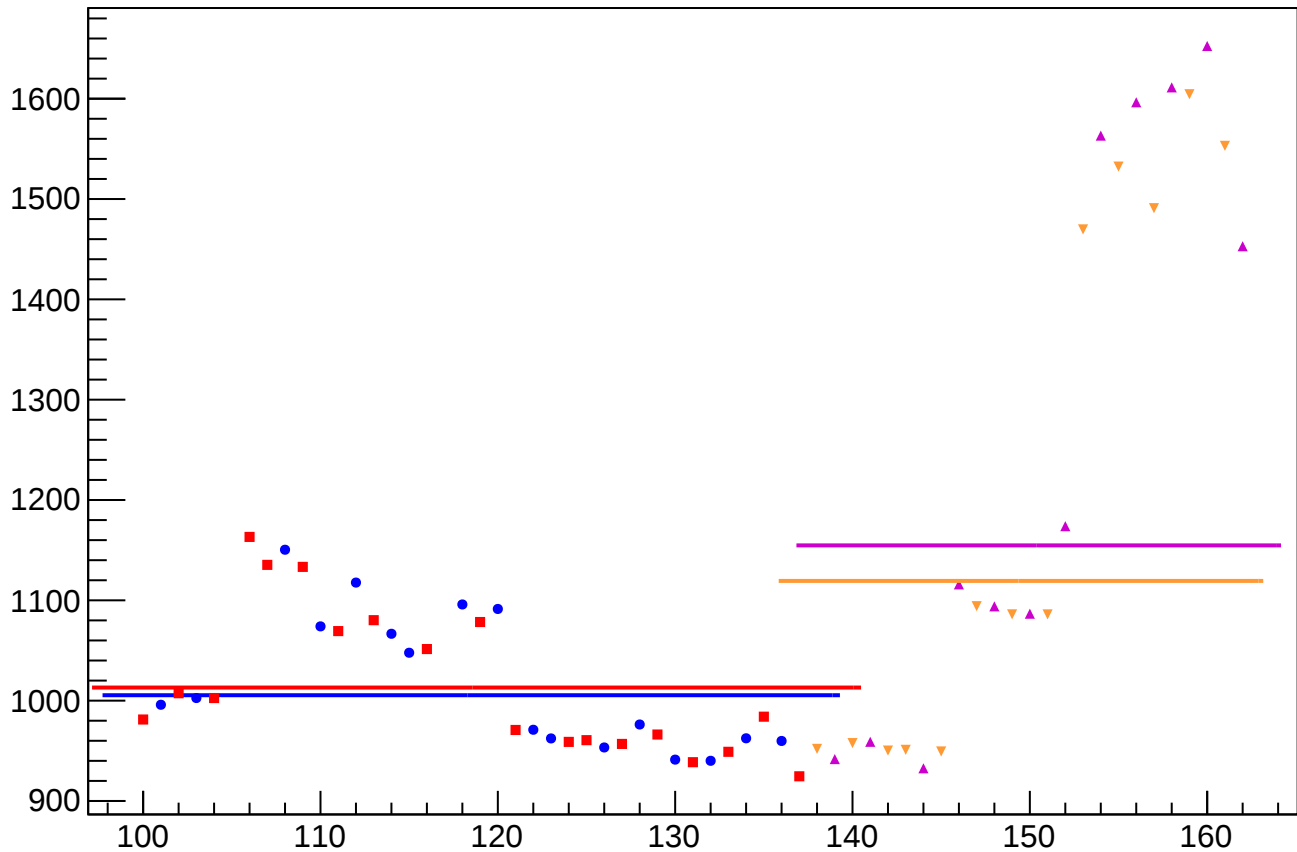
Left In: -0.474 ± 0.380 χ^2/NDF : 538.5/11

+ sign 8.128 ± 0.266 χ^2/NDF : 7023.9/29

All: 10.712 ± 0.189 χ^2/NDF : 14673.9/60

- sign 13.336 ± 0.269 χ^2/NDF : 7460.5/30

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1119.359+/-0.259 χ^2/NDF : 782329.3/12

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

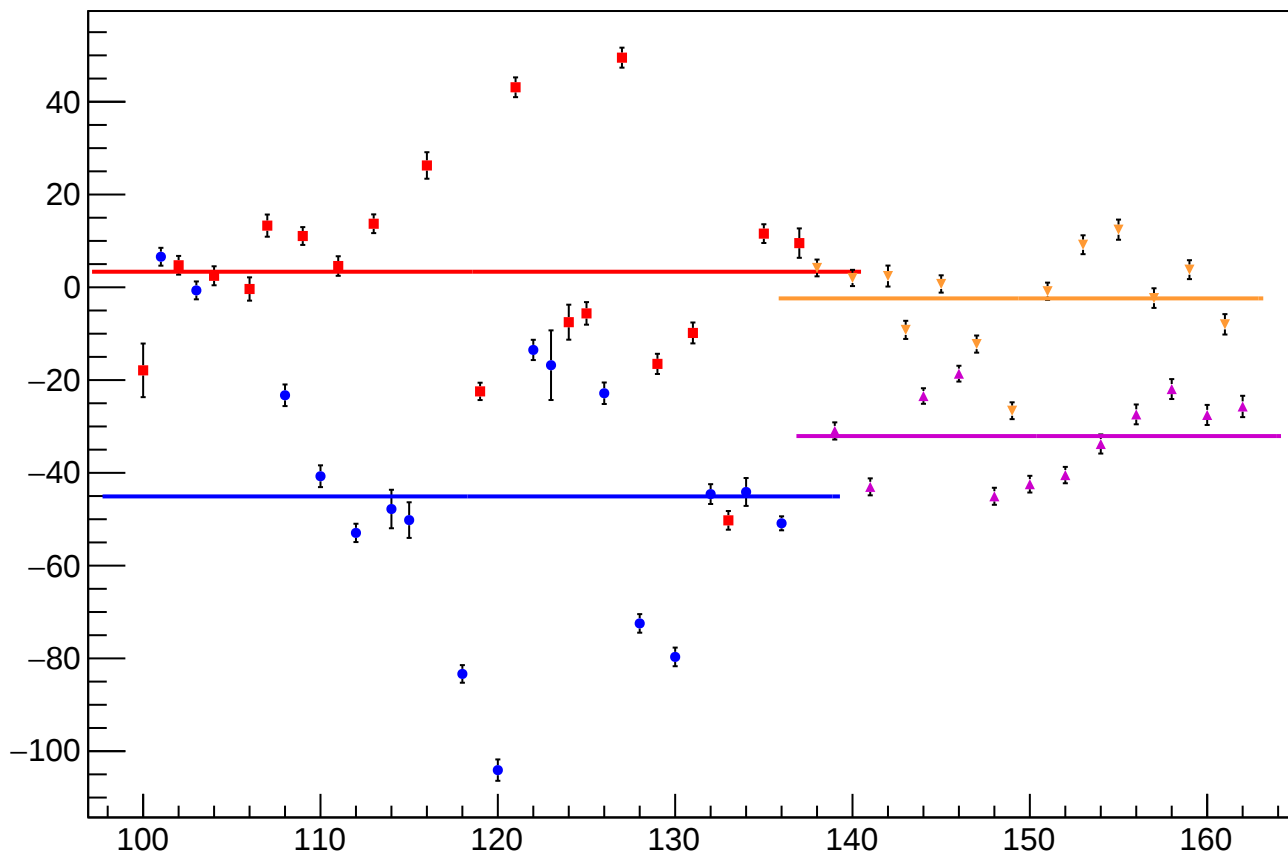
Left In: 1154.762+/-0.269 χ^2/NDF : 822043.3/11

+ sign 1065.604+/-0.188 χ^2/NDF : 928061.3/29

All: 1074.648+/-0.134 χ^2/NDF : 1957208.4/60

- sign 1083.835+/-0.190 χ^2/NDF : 1024502.5/30

diff_bpm0i02X_mean vs Slug



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

Left Out: -2.393 ± 0.543 χ^2/NDF : 340.7/12

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

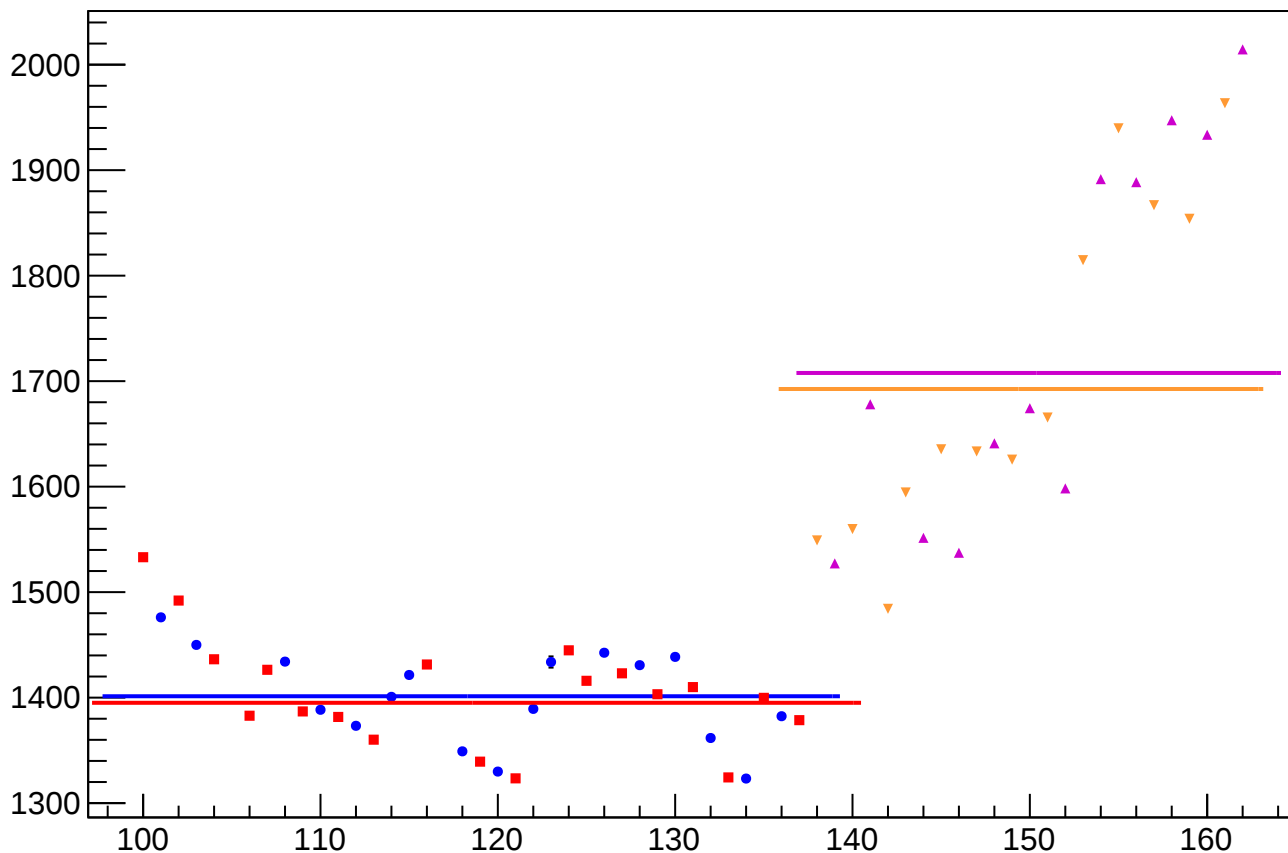
Left In: -32.069 ± 0.551 χ^2/NDF : 270.7/11

+ sign -23.877 ± 0.383 χ^2/NDF : 6686.3/29

All: -18.577 ± 0.269 χ^2/NDF : 11520.5/60

- sign -13.385 ± 0.379 χ^2/NDF : 4454.8/30

diff_bpm0i02X_rms vs Slug



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

Left Out: 1692.562+/-0.384 χ^2/NDF : 142745.1/12

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

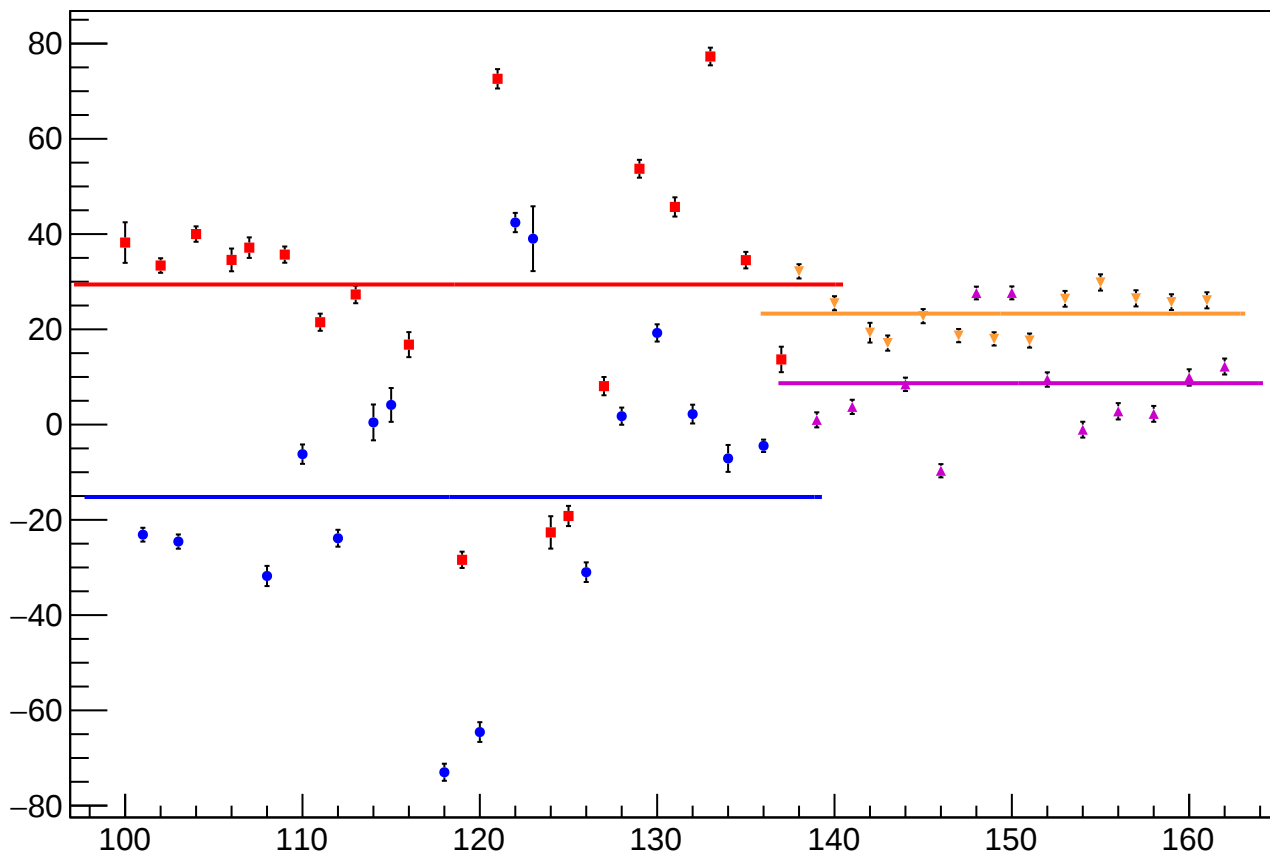
Left In: 1707.763+/-0.390 χ^2/NDF : 180412.3/11

+ sign 1545.975+/-0.271 χ^2/NDF : 444918.0/29

All: 1544.404+/-0.190 χ^2/NDF : 980247.0/60

- sign 1542.864+/-0.268 χ^2/NDF : 535262.2/30

diff_bpm0i02Y_mean vs Slug



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

Left Out: 23.302 ± 0.437 χ^2/NDF : 122.8/12

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

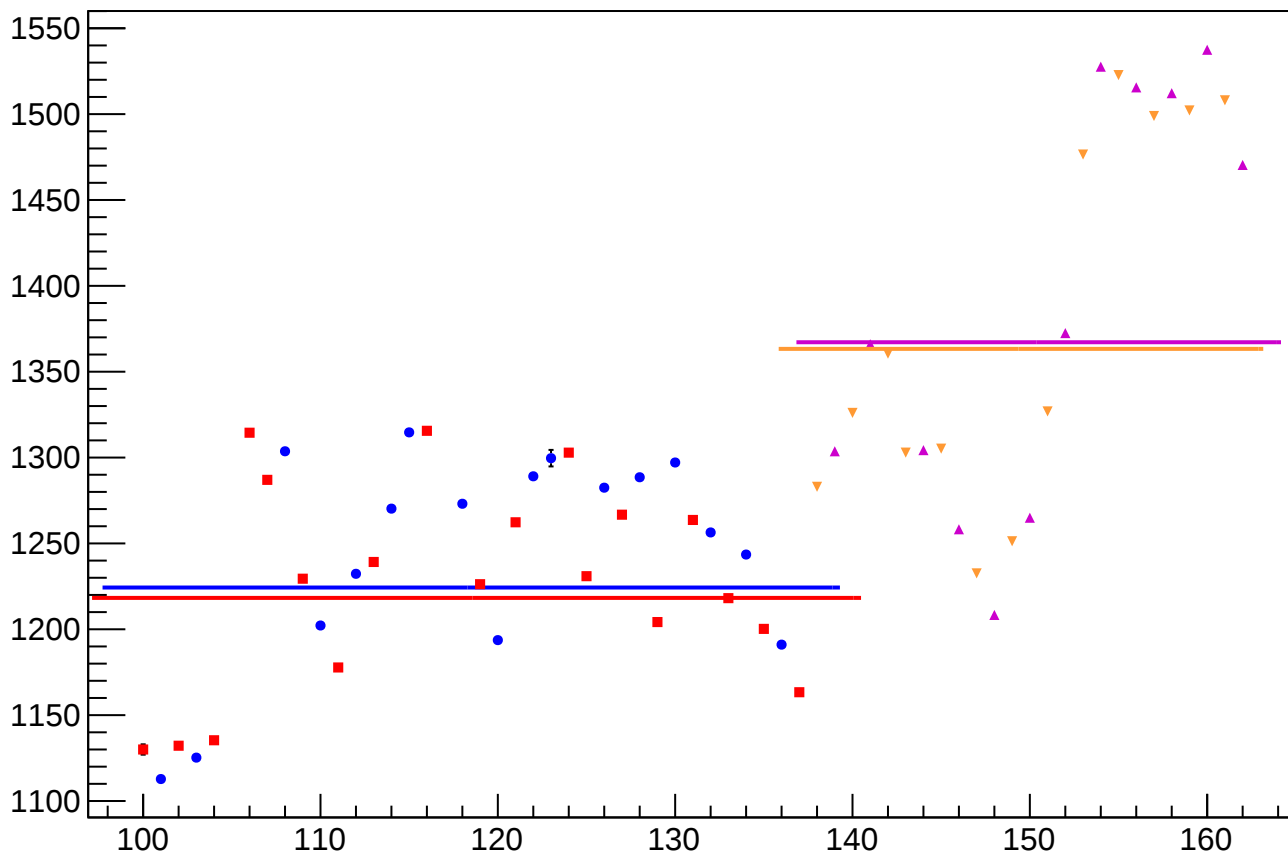
Left In: 8.692 ± 0.440 χ^2/NDF : 668.9/11

+ sign 5.526 ± 0.321 χ^2/NDF : 7066.1/29

All: 12.190 ± 0.225 χ^2/NDF : 13200.6/60

- sign 18.690 ± 0.317 χ^2/NDF : 5282.1/30

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1363.294+/-0.309 χ^2/NDF : 113007.0/12

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

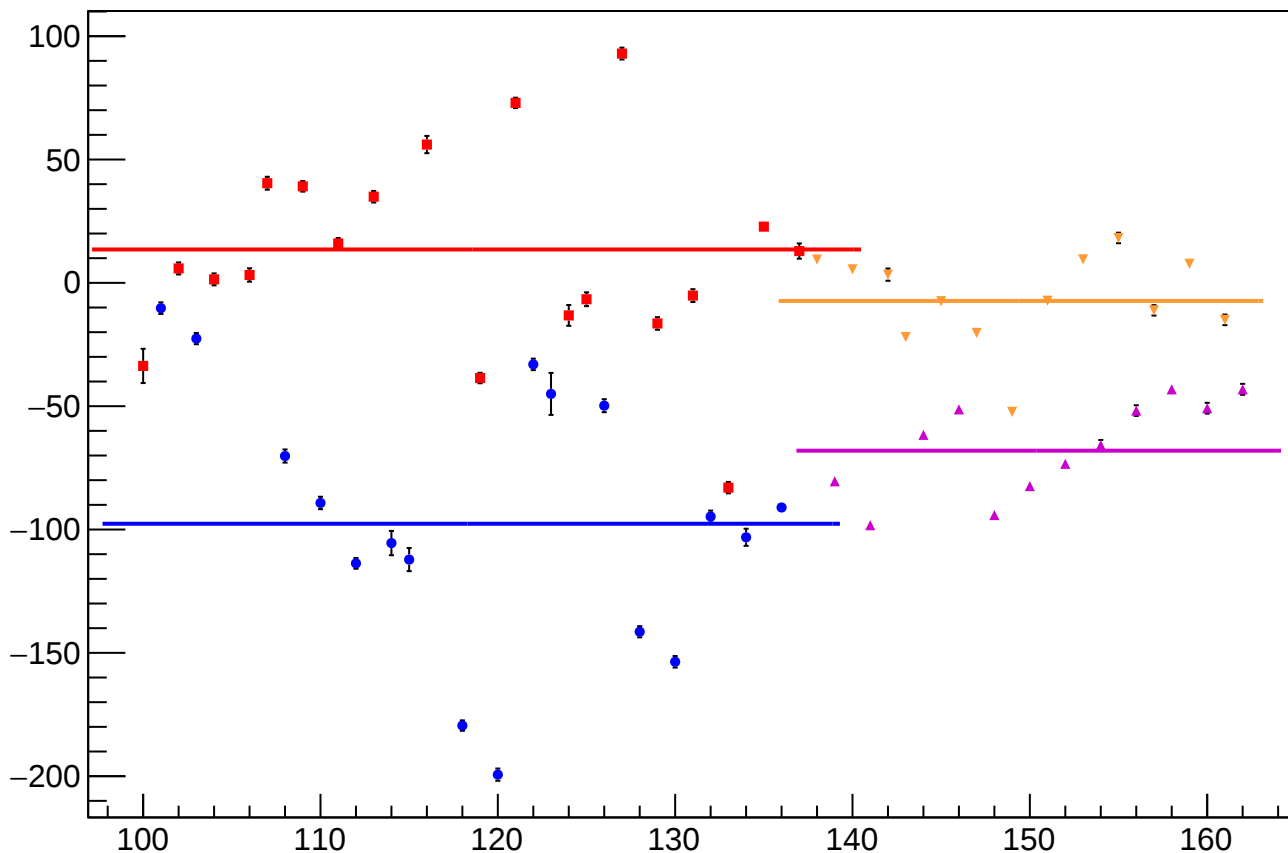
Left In: 1367.158+/-0.311 χ^2/NDF : 134682.2/11

+ sign 1299.134+/-0.227 χ^2/NDF : 245078.9/29

All: 1297.213+/-0.159 χ^2/NDF : 517736.8/60

- sign 1295.338+/-0.224 χ^2/NDF : 272516.2/30

diff_bpm0i02aX_mean vs Slug



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

Left Out: -7.321 ± 0.546 χ^2/NDF : 1142.7/12

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

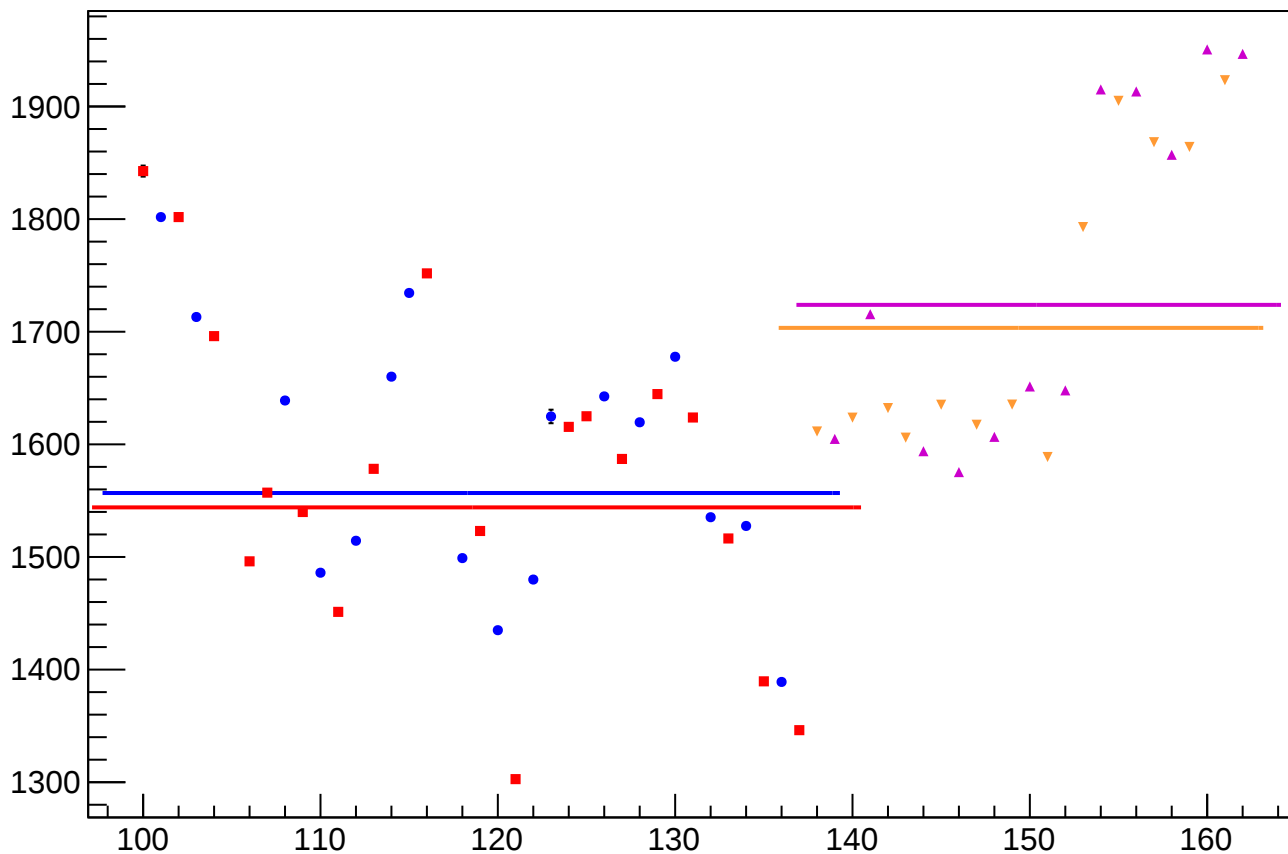
Left In: -68.036 ± 0.555 χ^2/NDF : 1087.1/11

+ sign -48.171 ± 0.404 χ^2/NDF : 21442.7/29

All: -38.490 ± 0.285 χ^2/NDF : 39125.4/60

- sign -28.972 ± 0.401 χ^2/NDF : 16545.9/30

diff_bpm0i02aX_rms vs Slug



Right In: 1556.799 $\pm$ 0.425 χ^2 /NDF: 81549.2/16

Left Out: 1703.421 $\pm$ 0.386 χ^2 /NDF: 100387.1/12

Right Out: 1544.034 $\pm$ 0.410 χ^2 /NDF: 100501.7/18

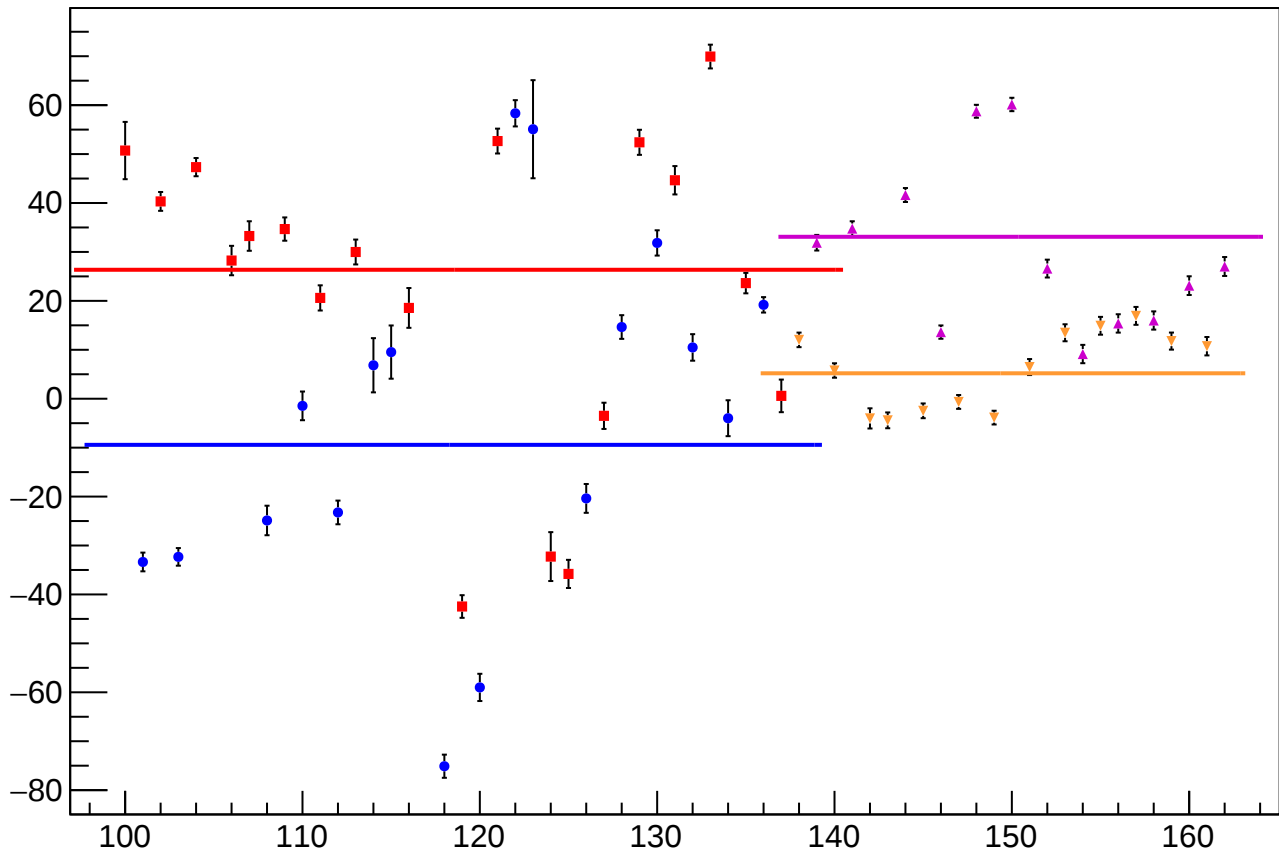
Left In: 1723.851 $\pm$ 0.393 χ^2 /NDF: 131130.9/11

+ sign 1637.118 $\pm$ 0.286 χ^2 /NDF: 247074.9/29

All: 1637.432 $\pm$ 0.201 χ^2 /NDF: 579105.3/60

- sign 1637.741 $\pm$ 0.284 χ^2 /NDF: 332028.0/30

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 5.197 ± 0.452 χ^2/NDF : 277.2/12

Right Out: 26.354 ± 0.603 χ^2/NDF : 2472.1/18

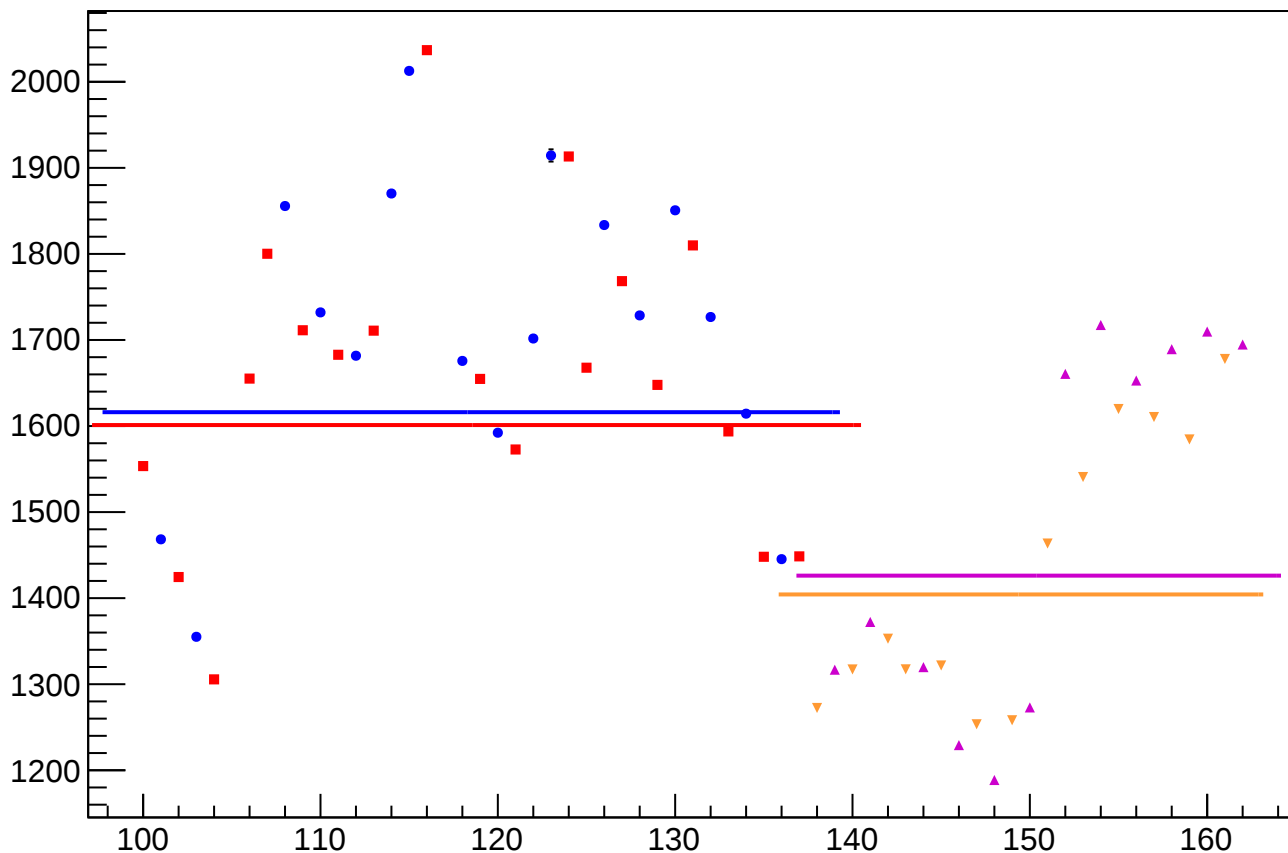
Left In: 33.096 ± 0.463 χ^2/NDF : 1395.5/11

+ sign 0.189 ± 0.367 χ^2/NDF : 3559.6/29

All: 15.374 ± 0.259 χ^2/NDF : 10941.6/60

- sign 30.596 ± 0.367 χ^2/NDF : 3946.2/30

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1404.300+/-0.320 χ^2/NDF : 212239.8/12

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

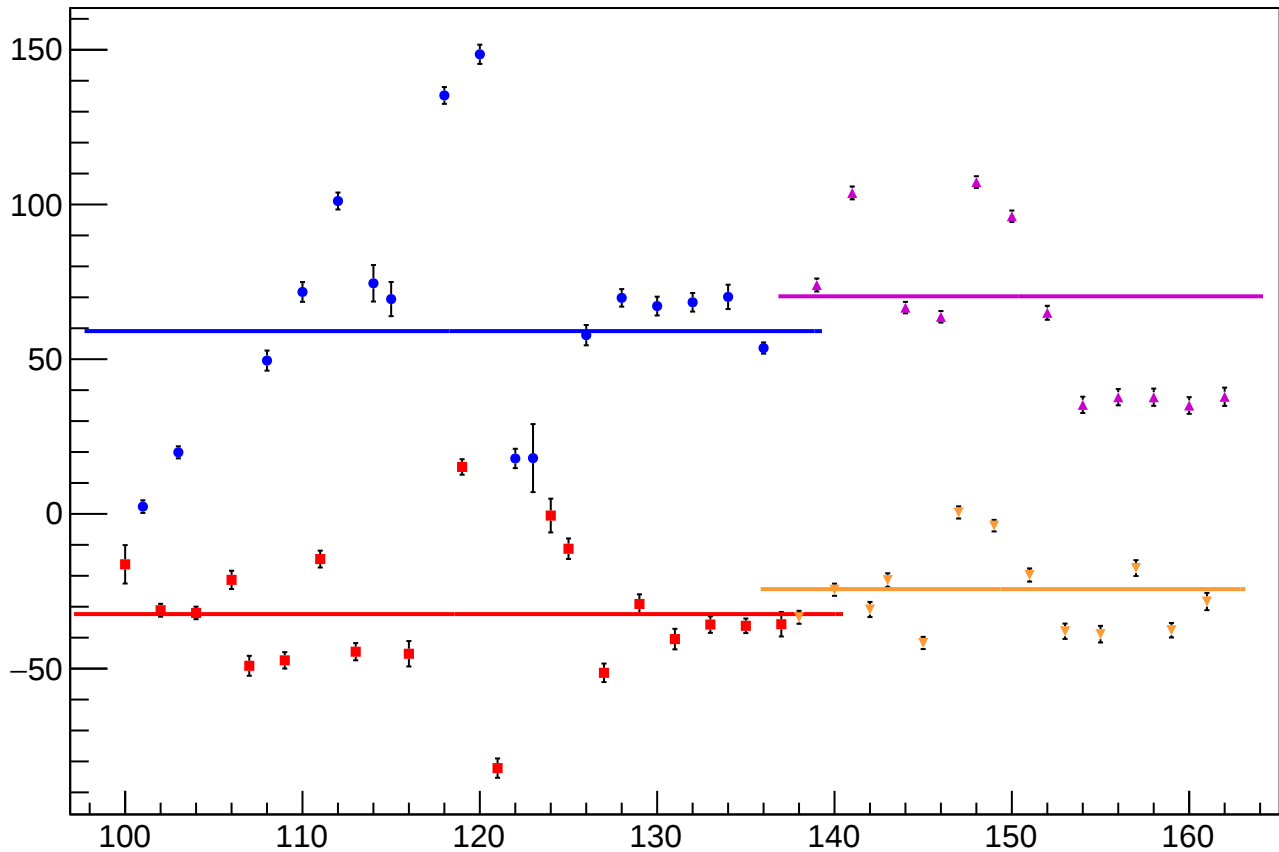
Left In: 1426.151+/-0.327 χ^2/NDF : 387303.2/11

+ sign 1476.831+/-0.259 χ^2/NDF : 512150.0/29

All: 1483.922+/-0.183 χ^2/NDF : 1160649.3/60

- sign 1491.030+/-0.260 χ^2/NDF : 647000.8/30

diff_bpm0i05X_mean vs Slug



Right In: 59.081 $\pm$ 0.699 χ^2 /NDF: 3293.6/16

Left Out: -24.299 $\pm$ 0.616 χ^2 /NDF: 489.3/12

Right Out: -32.382 $\pm$ 0.666 χ^2 /NDF: 891.5/18

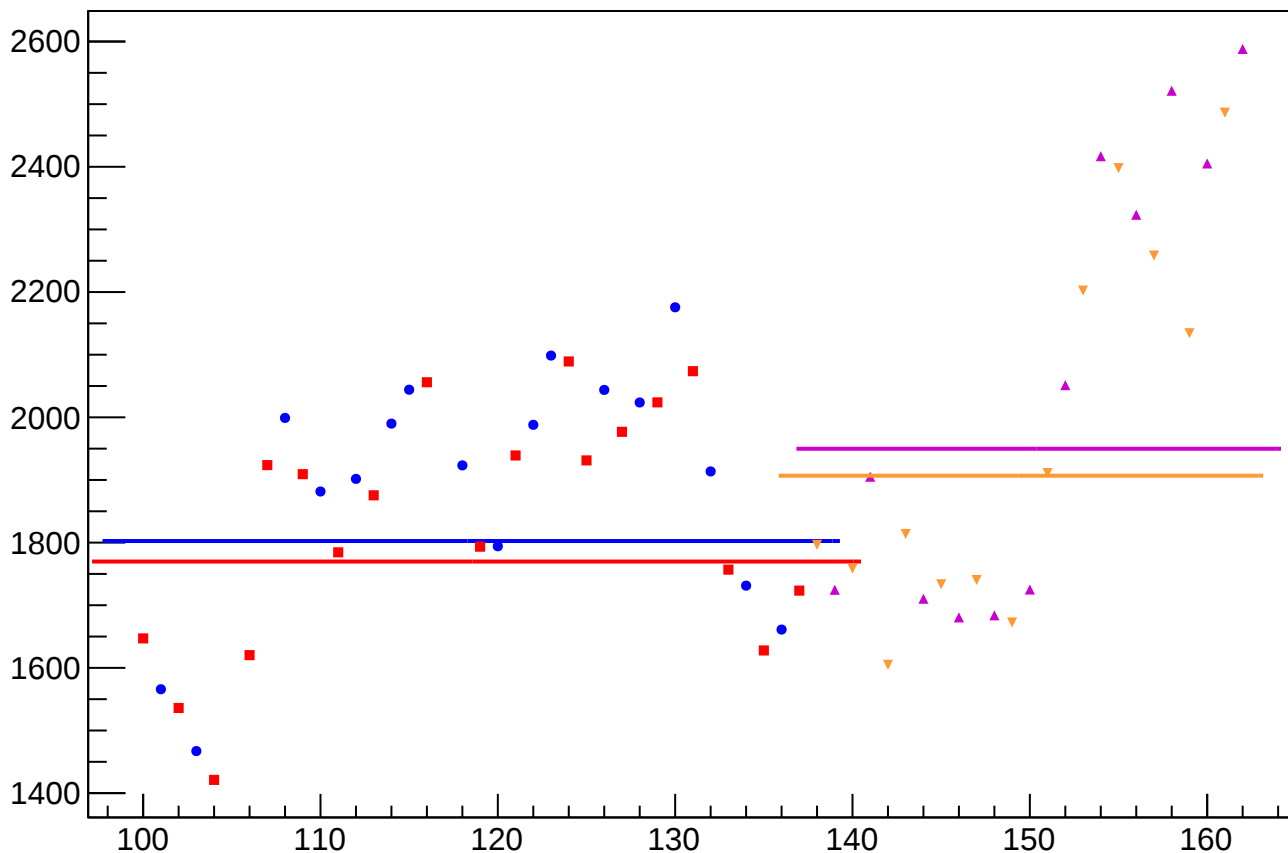
Left In: 70.323 $\pm$ 0.635 χ^2 /NDF: 1623.1/11

+ sign 12.125 $\pm$ 0.462 χ^2 /NDF: 11785.6/29

All: 16.806 $\pm$ 0.326 χ^2 /NDF: 26947.7/60

- sign 21.437 $\pm$ 0.460 χ^2 /NDF: 14958.2/30

diff_bpm0i05X_rms vs Slug



Right In: 1802.524+/-0.495 χ^2/NDF : 184069.0/16

Left Out: 1906.802+/-0.436 χ^2/NDF : 350132.5/12

Right Out: 1769.772+/-0.471 χ^2/NDF : 177893.4/18

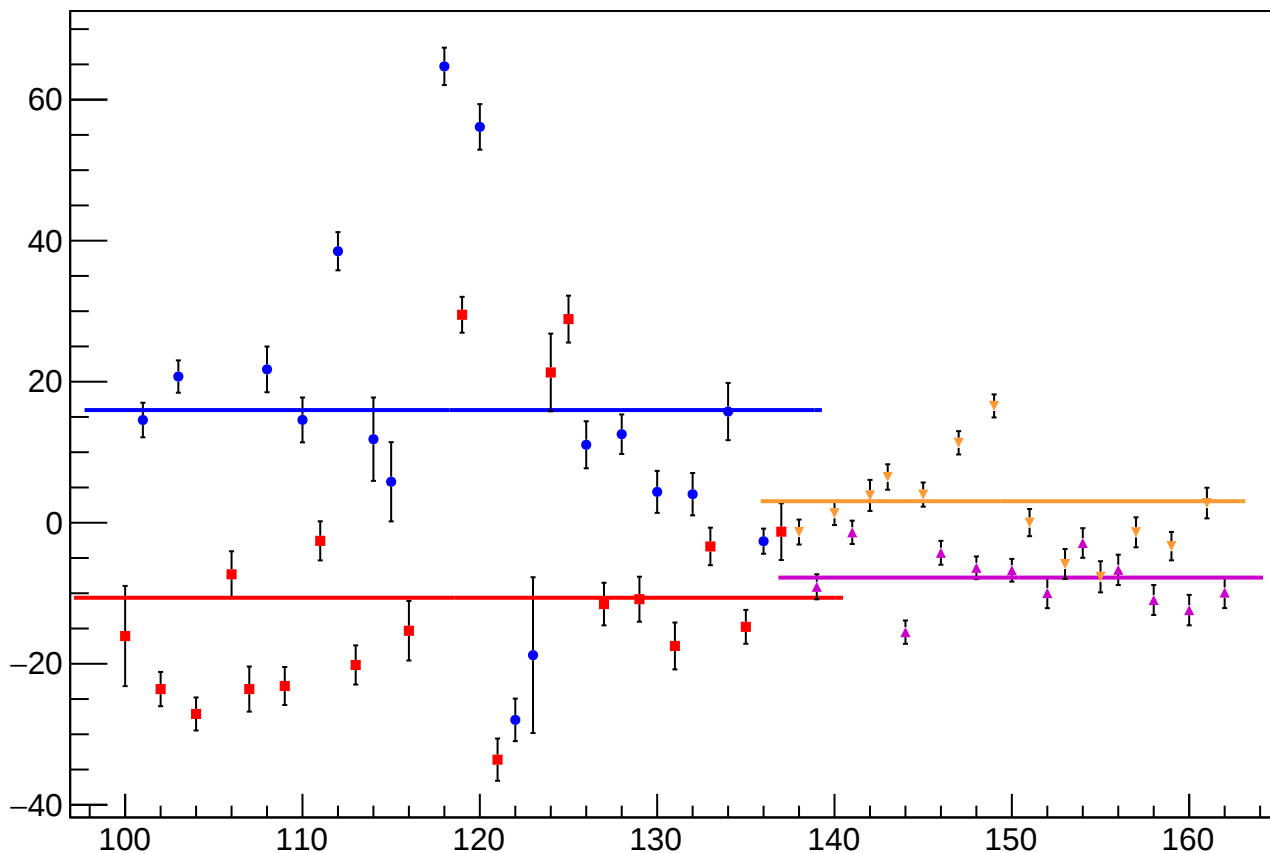
Left In: 1949.849+/-0.449 χ^2/NDF : 510282.6/11

+ sign 1861.249+/-0.327 χ^2/NDF : 559234.9/29

All: 1862.699+/-0.231 χ^2/NDF : 1323957.8/60

- sign 1864.135+/-0.325 χ^2/NDF : 764683.7/30

diff_bpm0i05Y_mean vs Slug



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

Left Out: 3.056 ± 0.524 χ^2/NDF : 162.7/12

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

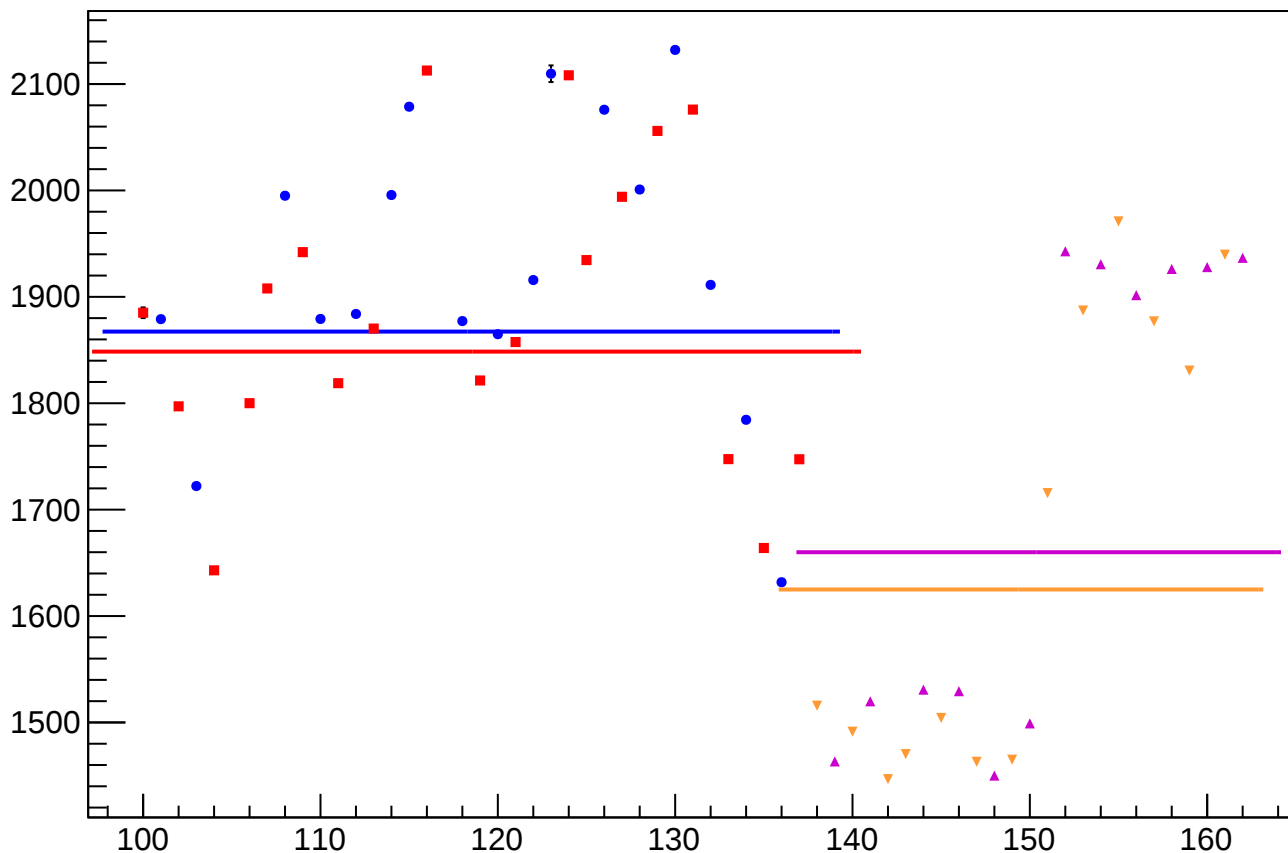
Left In: -7.780 ± 0.537 χ^2/NDF : 57.4/11

+ sign 7.511 ± 0.424 χ^2/NDF : 1311.1/29

All: -0.655 ± 0.300 χ^2/NDF : 2765.3/60

- sign -8.851 ± 0.425 χ^2/NDF : 710.1/30

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1624.973 $\pm$ 0.370 χ^2 /NDF: 271658.3/12

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

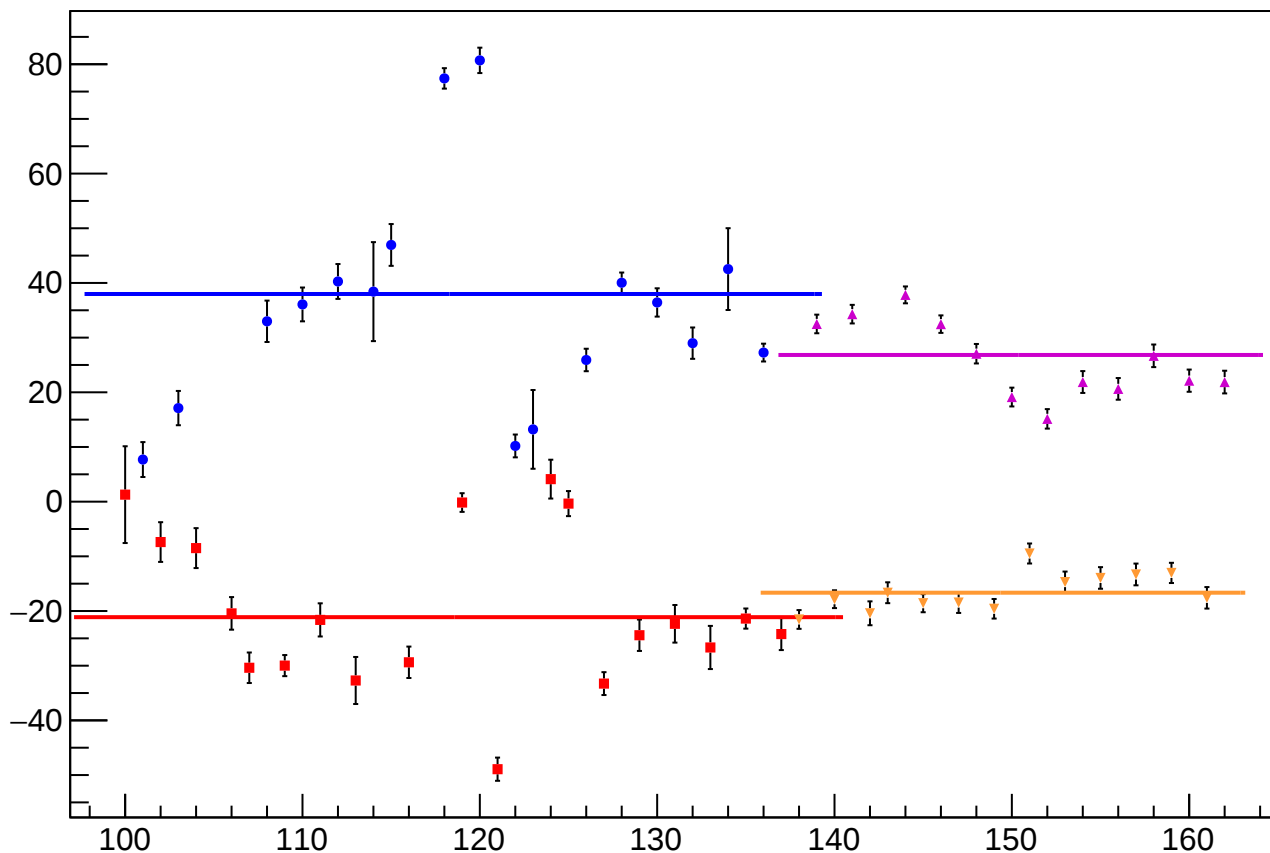
Left In: 1659.998 $\pm$ 0.380 χ^2 /NDF: 303930.6/11

+ sign 1708.546 $\pm$ 0.300 χ^2 /NDF: 500403.4/29

All: 1719.594 $\pm$ 0.212 χ^2 /NDF: 972021.1/60

- sign 1730.684 $\pm$ 0.300 χ^2 /NDF: 468893.4/30

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 $\chi^2/\text{NDF}: 1204.3/16$

Left Out: -16.650 ± 0.514 $\chi^2/\text{NDF}: 41.7/12$

Right Out: -21.124 ± 0.608 $\chi^2/\text{NDF}: 573.6/18$

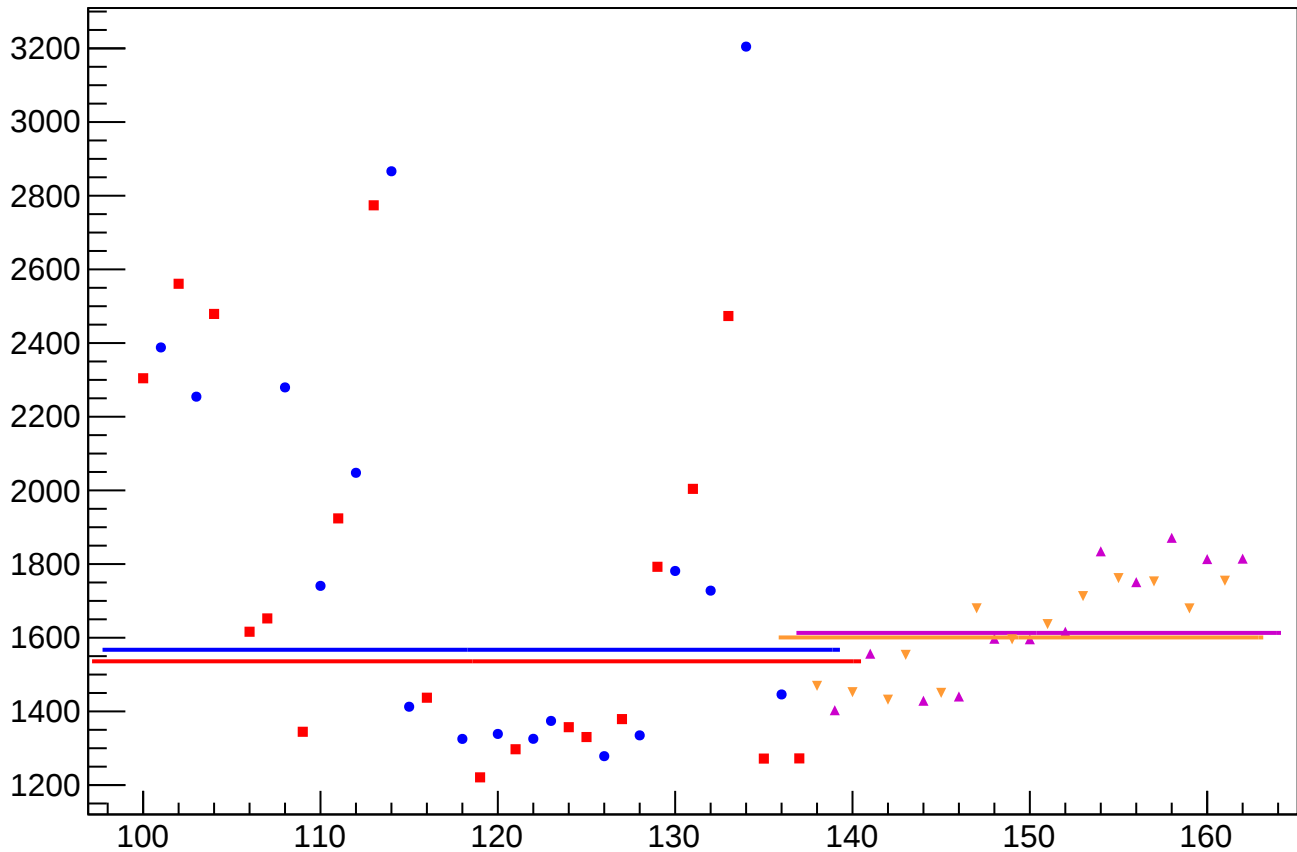
Left In: 26.829 ± 0.521 $\chi^2/\text{NDF}: 183.5/11$

+ sign 4.878 ± 0.400 $\chi^2/\text{NDF}: 5697.2/29$

All: 5.716 ± 0.281 $\chi^2/\text{NDF}: 10047.1/60$

- sign 6.537 ± 0.396 $\chi^2/\text{NDF}: 4341.3/30$

diff_bpm0i07X_rms vs Slug



Right In: 1567.328+/-0.451 χ^2/NDF : 673450.6/16

Left Out: 1600.776+/-0.363 χ^2/NDF : 110102.1/12

Right Out: 1535.967+/-0.430 χ^2/NDF : 882098.2/18

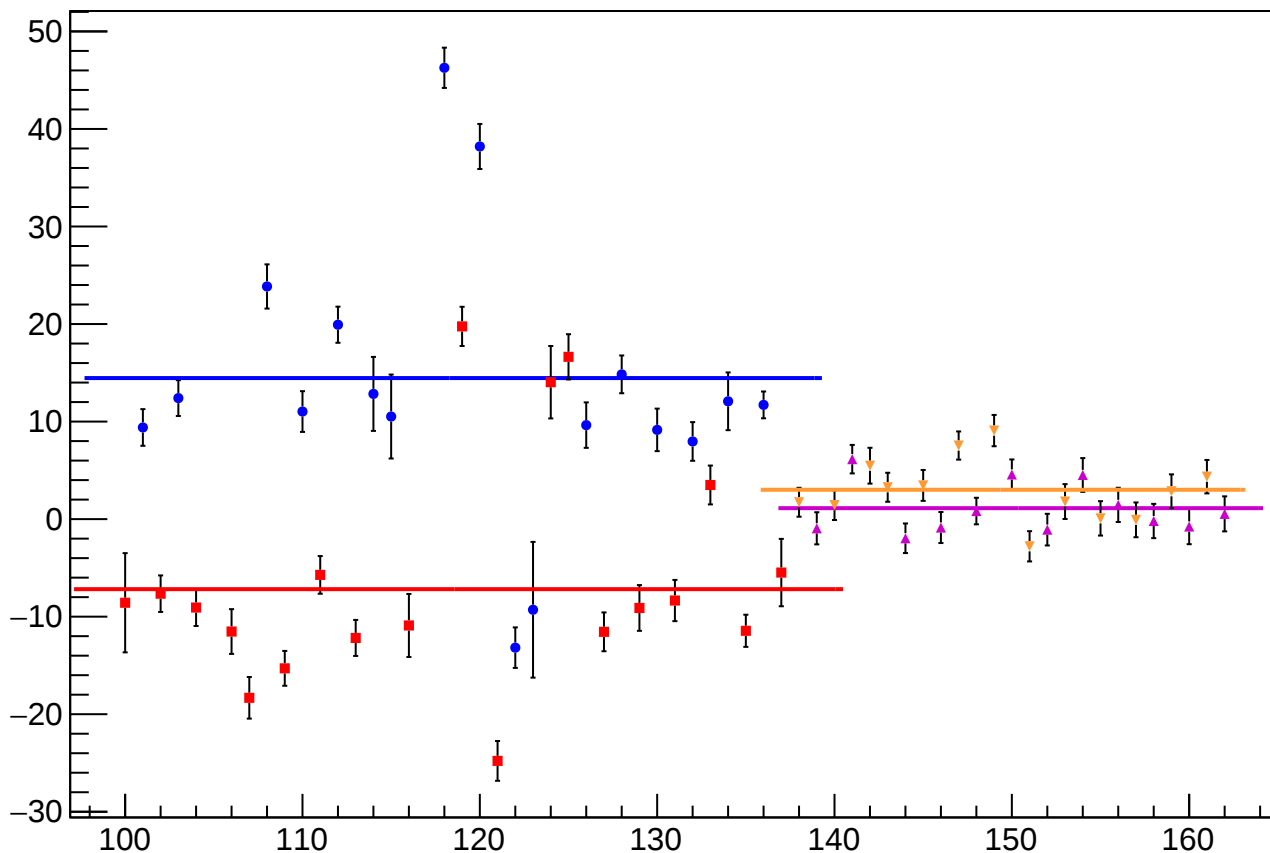
Left In: 1613.122+/-0.368 χ^2/NDF : 188511.8/11

+ sign 1587.595+/-0.283 χ^2/NDF : 786890.2/29

All: 1583.995+/-0.199 χ^2/NDF : 1876377.6/60

- sign 1580.473+/-0.280 χ^2/NDF : 1089167.0/30

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 ± 0.523 χ^2/NDF : 595.9/16

Left Out: 3.008 ± 0.450 χ^2/NDF : 48.6/12

Right Out: -7.181 ± 0.494 χ^2/NDF : 495.7/18

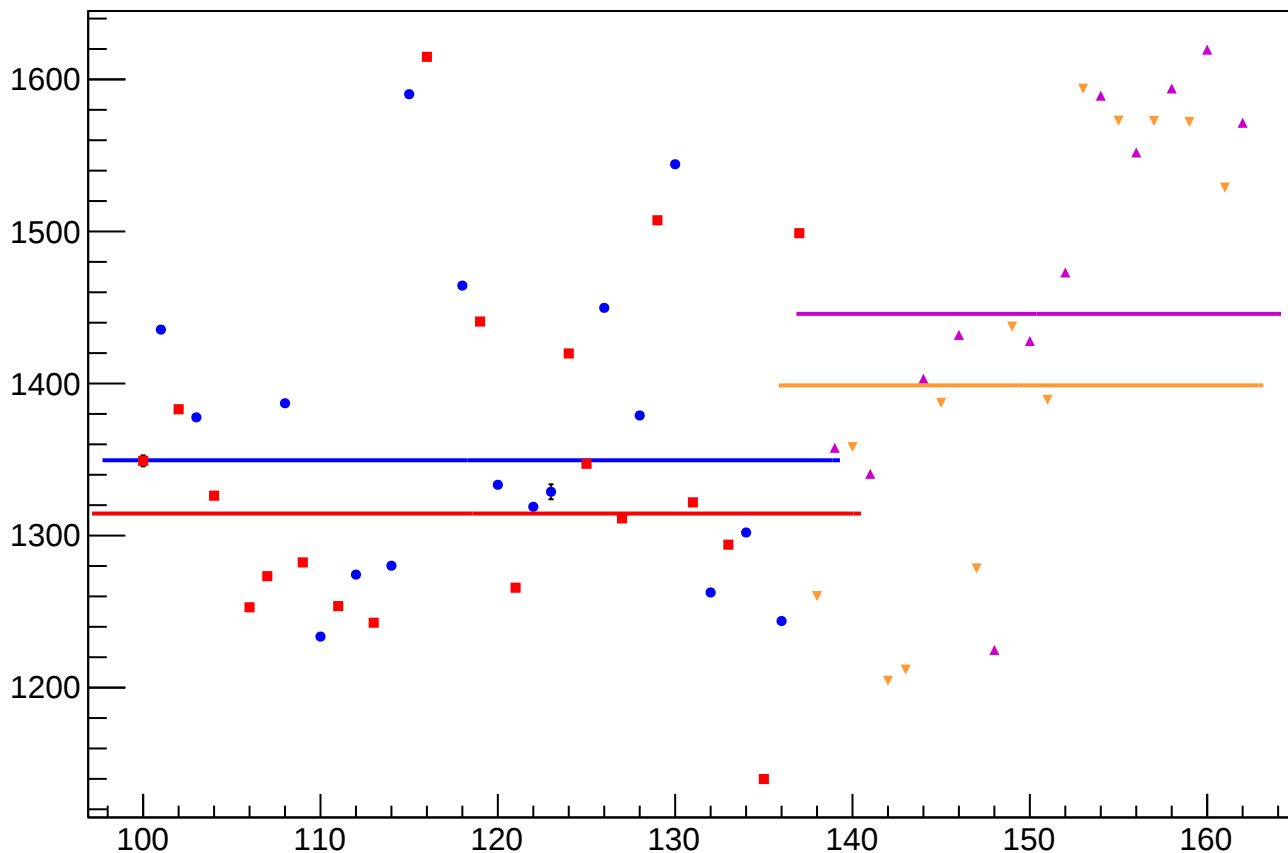
Left In: 1.123 ± 0.466 χ^2/NDF : 31.7/11

+ sign 7.877 ± 0.341 χ^2/NDF : 920.0/29

All: 2.515 ± 0.240 χ^2/NDF : 2088.0/60

- sign -2.783 ± 0.339 χ^2/NDF : 676.7/30

diff_bpm0i07Y_rms vs Slug



Right In: 1349.522 $\pm$ 0.370 χ^2 /NDF: 64667.6/16

Left Out: 1398.790 $\pm$ 0.318 χ^2 /NDF: 182116.2/12

Right Out: 1314.485 $\pm$ 0.350 χ^2 /NDF: 80952.7/18

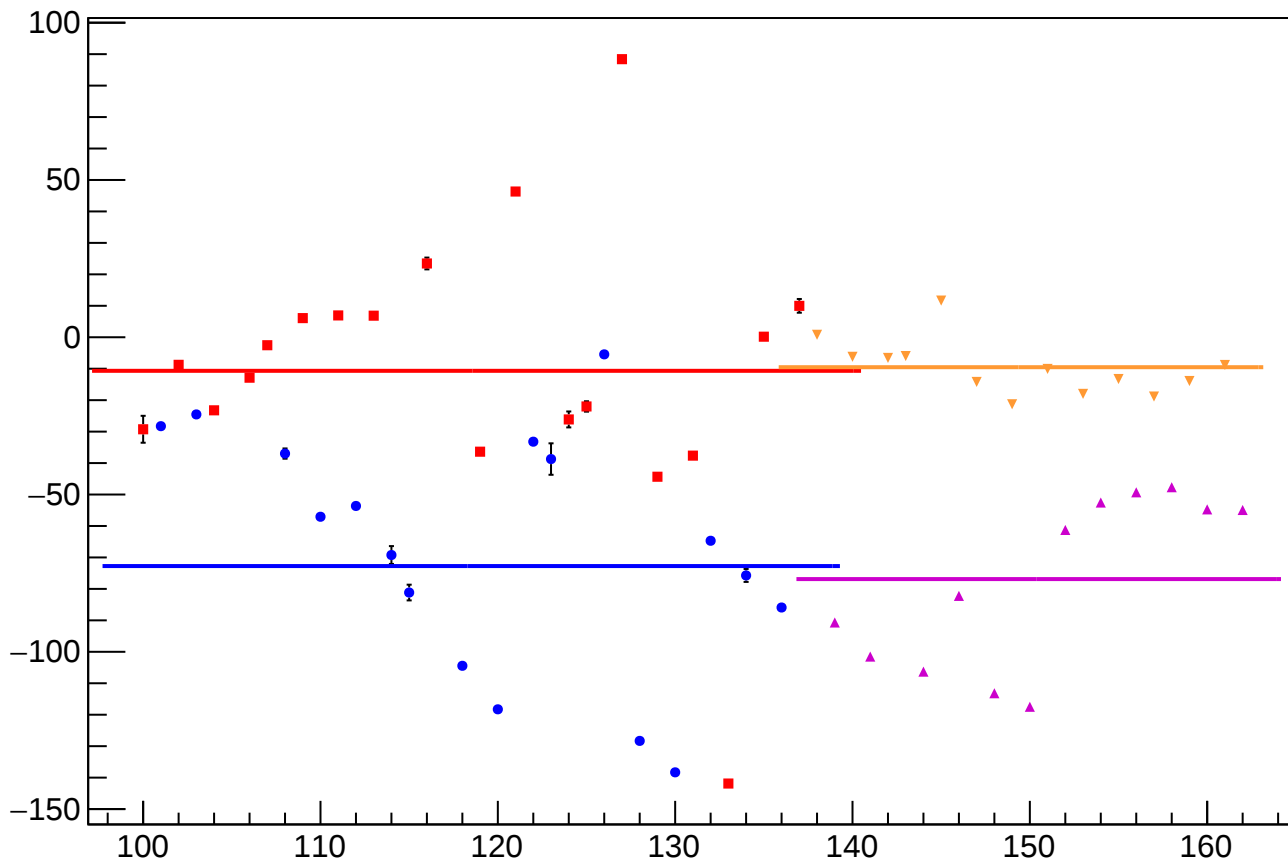
Left In: 1445.818 $\pm$ 0.329 χ^2 /NDF: 134845.1/11

+ sign 1377.846 $\pm$ 0.241 χ^2 /NDF: 256979.1/29

All: 1380.958 $\pm$ 0.170 χ^2 /NDF: 547853.8/60

- sign 1384.033 $\pm$ 0.240 χ^2 /NDF: 290543.8/30

diff_bpm1i02X_mean vs Slug



Right In: -72.741 ± 0.362 $\chi^2/\text{NDF}: 11690.4/16$

Left Out: -9.521 ± 0.301 $\chi^2/\text{NDF}: 803.4/12$

Right Out: -10.671 ± 0.352 $\chi^2/\text{NDF}: 18171.0/18$

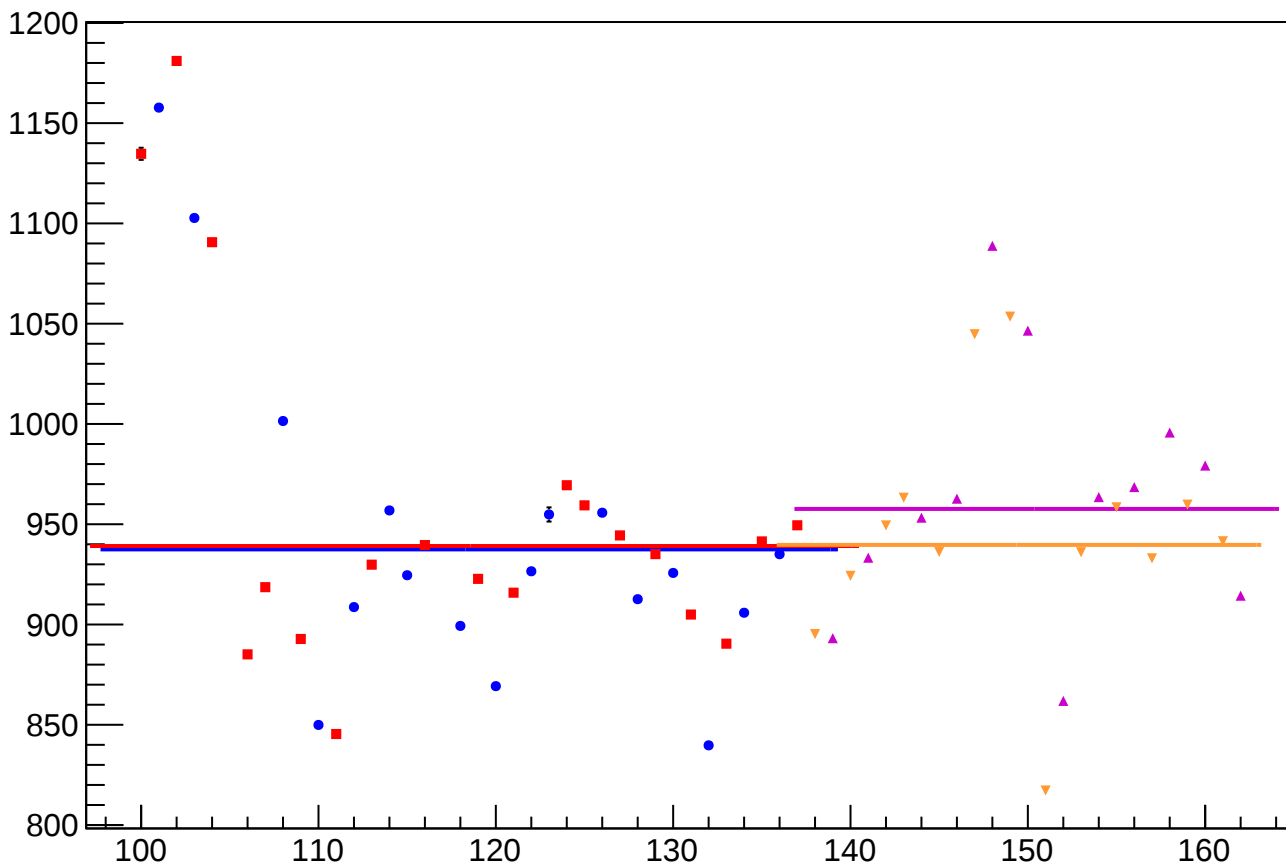
Left In: -76.880 ± 0.308 $\chi^2/\text{NDF}: 6790.7/11$

+ sign -35.362 ± 0.232 $\chi^2/\text{NDF}: 30491.3/29$

All: -41.773 ± 0.164 $\chi^2/\text{NDF}: 77002.1/60$

- sign -48.197 ± 0.232 $\chi^2/\text{NDF}: 44977.4/30$

diff_bpm1i02X_rms vs Slug



Right In: 937.454 $\pm$ 0.256 χ^2 /NDF: 98307.6/16

Left Out: 939.701 $\pm$ 0.213 χ^2 /NDF: 77085.2/12

Right Out: 939.140 $\pm$ 0.249 χ^2 /NDF: 90253.2/18

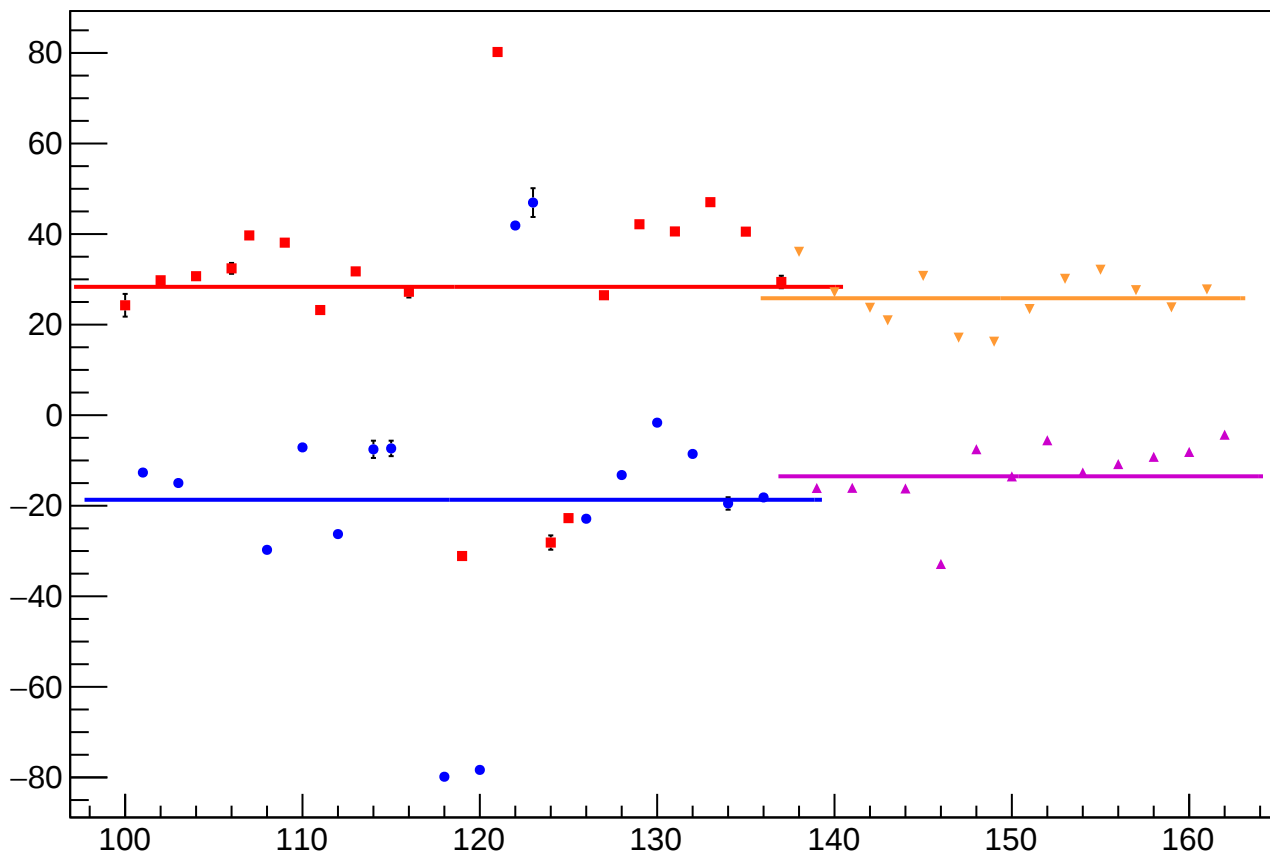
Left In: 957.632 $\pm$ 0.218 χ^2 /NDF: 71491.2/11

+ sign 938.782 $\pm$ 0.164 χ^2 /NDF: 175438.4/29

All: 944.196 $\pm$ 0.116 χ^2 /NDF: 342492.1/60

- sign 949.621 $\pm$ 0.164 χ^2 /NDF: 164867.1/30

diff_bpm1i02Y_mean vs Slug



Right In: -18.683 ± 0.243 $\chi^2/\text{NDF}: 13006.2/16$

Left Out: 25.827 ± 0.229 $\chi^2/\text{NDF}: 648.1/12$

Right Out: 28.347 ± 0.235 $\chi^2/\text{NDF}: 12508.1/18$

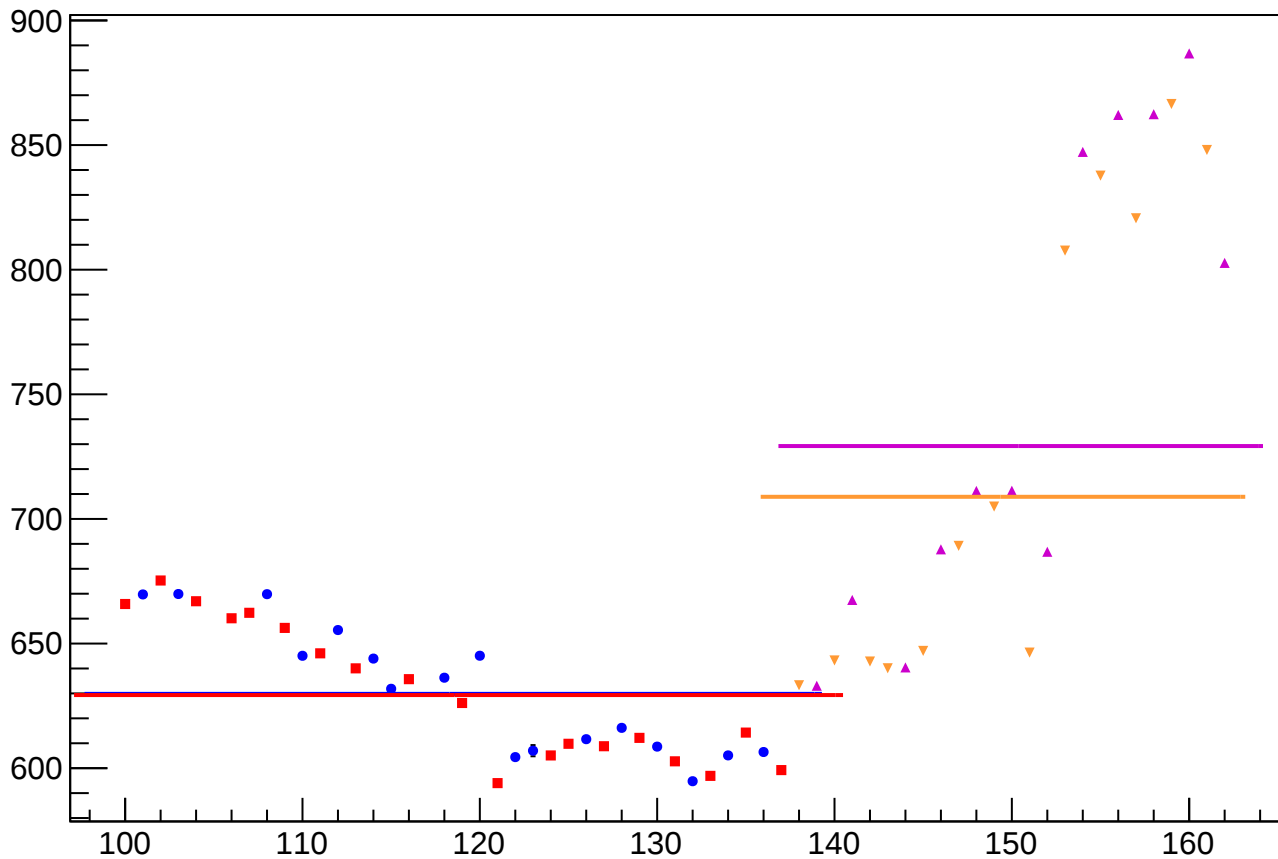
Left In: -13.500 ± 0.236 $\chi^2/\text{NDF}: 1010.7/11$

+ sign 4.895 ± 0.166 $\chi^2/\text{NDF}: 31477.2/29$

All: 6.179 ± 0.118 $\chi^2/\text{NDF}: 60875.3/60$

- sign 7.467 ± 0.167 $\chi^2/\text{NDF}: 29278.9/30$

diff_bpm1i02Y_rms vs Slug



Right In: 629.815 $\pm$ 0.172 χ^2 /NDF: 23298.3/16

Left Out: 708.884 $\pm$ 0.162 χ^2 /NDF: 279184.1/12

Right Out: 629.340 $\pm$ 0.166 χ^2 /NDF: 25538.5/18

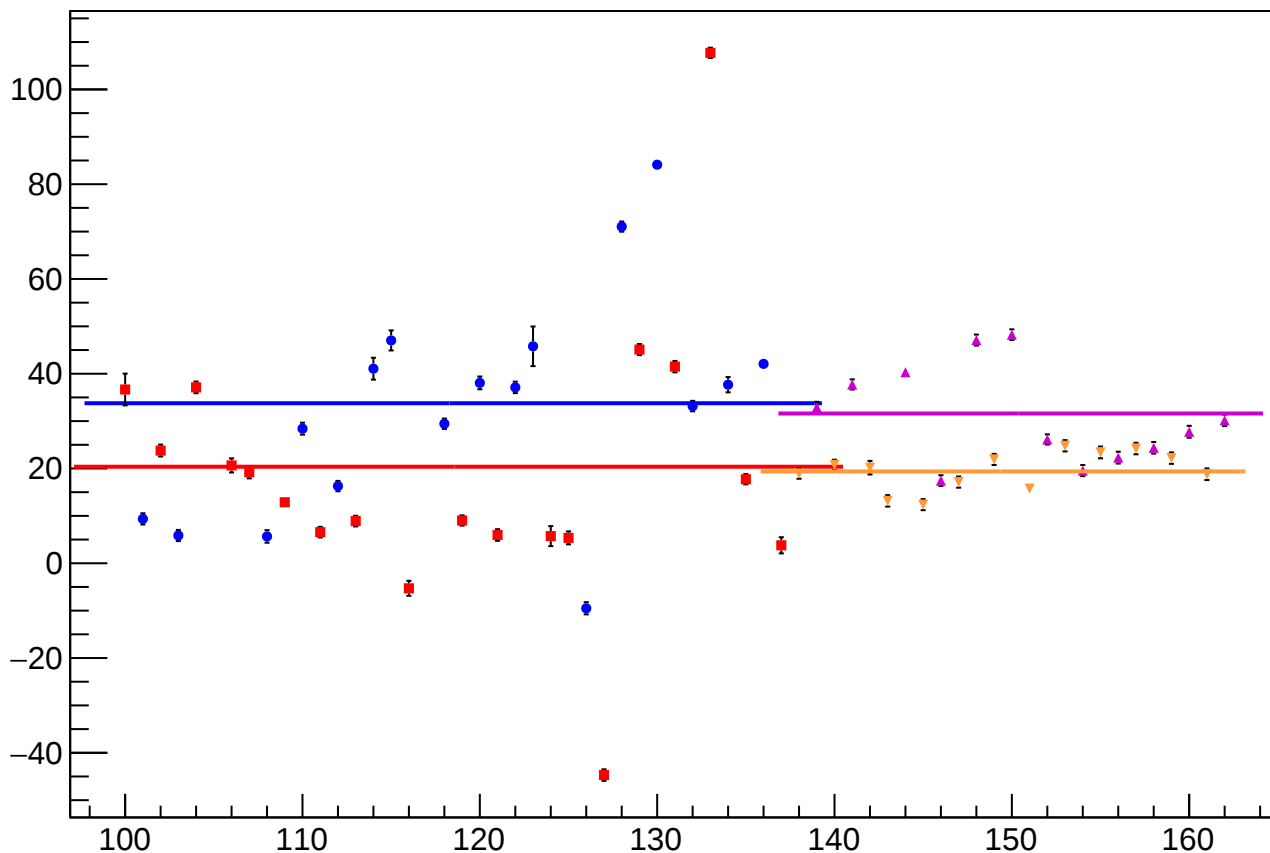
Left In: 729.244 $\pm$ 0.167 χ^2 /NDF: 264717.6/11

+ sign 671.700 $\pm$ 0.118 χ^2 /NDF: 414970.2/29

All: 675.438 $\pm$ 0.083 χ^2 /NDF: 886903.3/60

- sign 679.188 $\pm$ 0.118 χ^2 /NDF: 469911.4/30

diff_bpm1i04X_mean vs Slug



Right In: 33.773 $\pm$ 0.300 χ^2 /NDF: 6487.9/16

Left Out: 19.378 $\pm$ 0.328 χ^2 /NDF: 137.2/12

Right Out: 20.375 $\pm$ 0.293 χ^2 /NDF: 11287.7/18

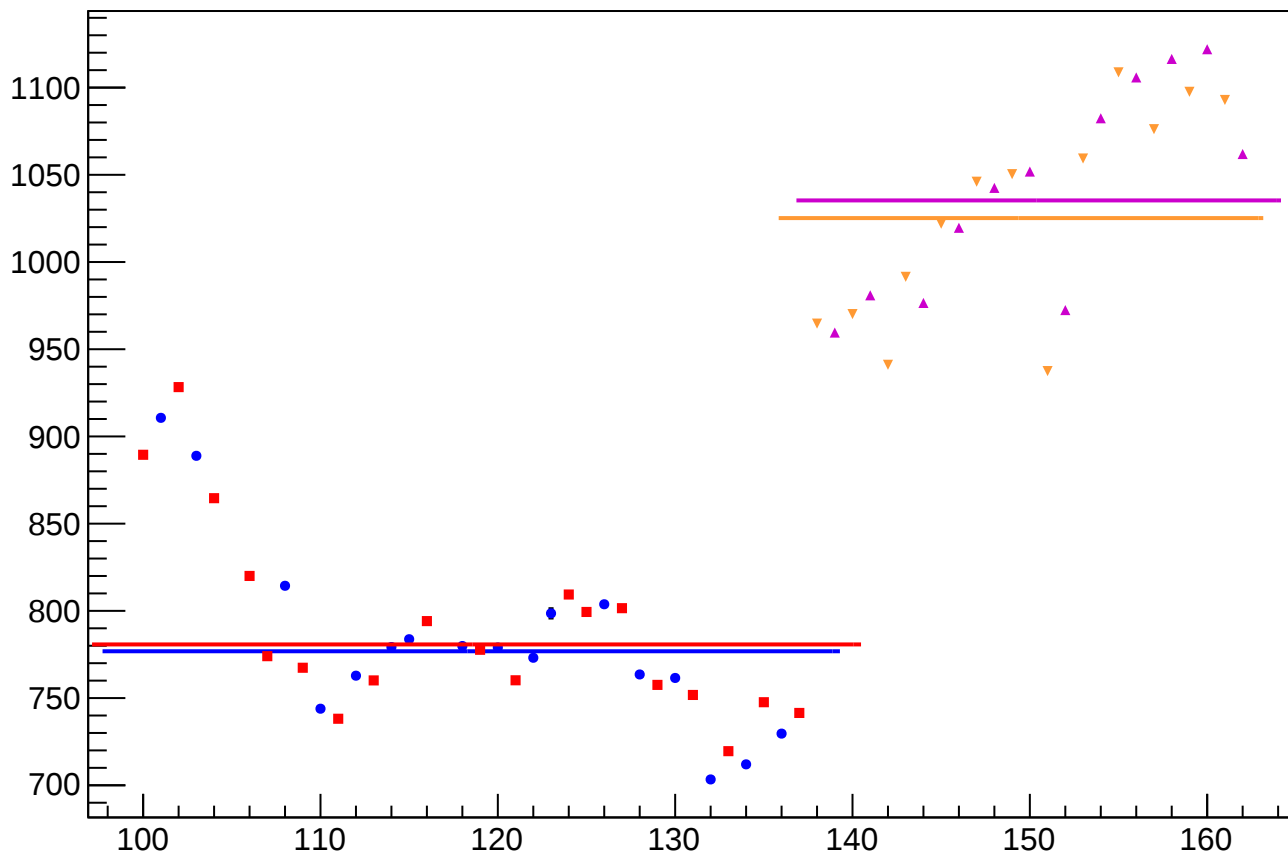
Left In: 31.606 $\pm$ 0.333 χ^2 /NDF: 884.7/11

+ sign 27.229 $\pm$ 0.221 χ^2 /NDF: 7672.6/29

All: 26.241 $\pm$ 0.156 χ^2 /NDF: 20526.7/60

- sign 25.268 $\pm$ 0.220 χ^2 /NDF: 12814.7/30

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1025.186 $\pm$ 0.232 χ^2 /NDF: 62388.8/12

Right Out: 780.755 $\pm$ 0.207 χ^2 /NDF: 57428.9/18

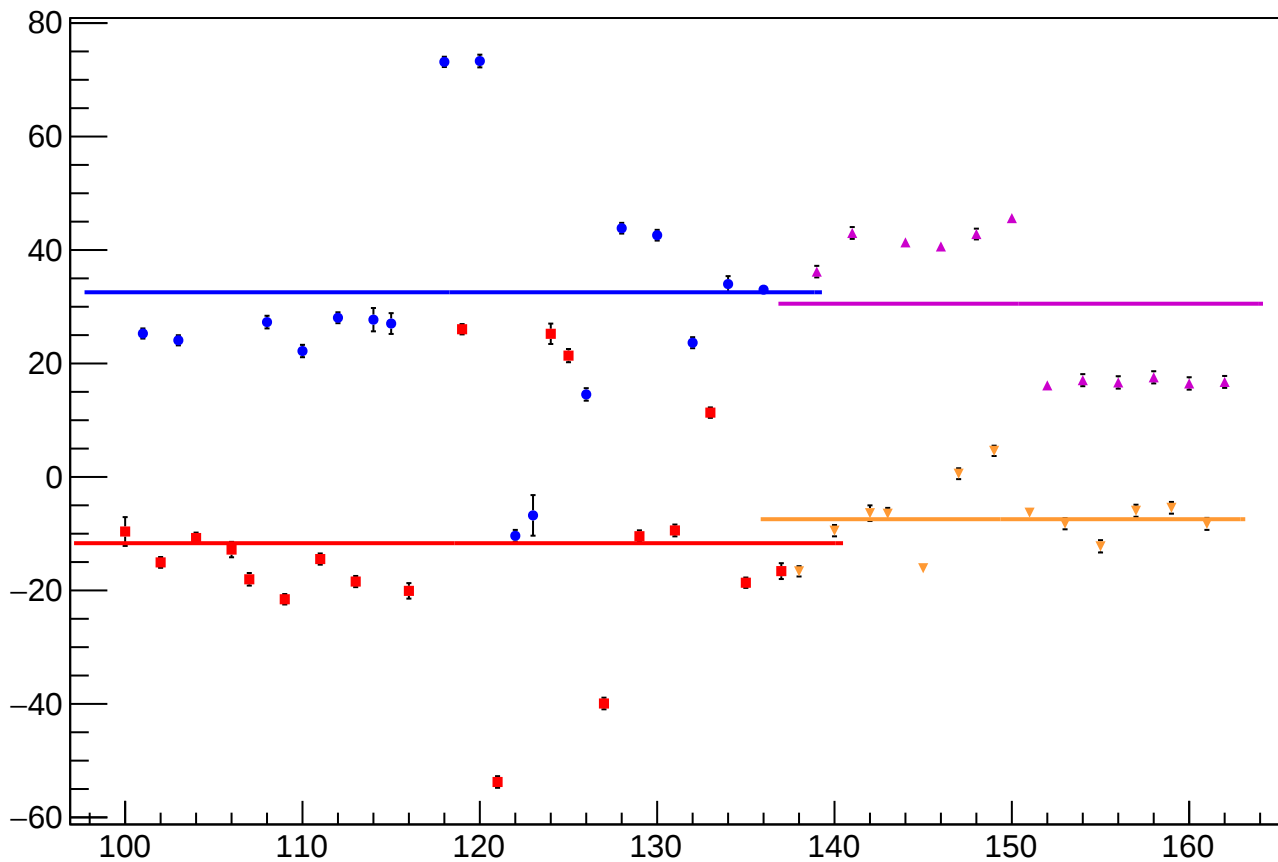
Left In: 1035.316 $\pm$ 0.235 χ^2 /NDF: 56373.6/11

+ sign 889.744 $\pm$ 0.157 χ^2 /NDF: 753424.9/29

All: 890.716 $\pm$ 0.110 χ^2 /NDF: 1527241.7/60

- sign 891.672 $\pm$ 0.155 χ^2 /NDF: 773740.4/30

diff_bpm1i04Y_mean vs Slug



Right In: 32.552+/-0.253 χ^2/NDF : 6073.0/16

Left Out: -7.446+/-0.274 χ^2/NDF : 476.1/12

Right Out: -11.674+/-0.247 χ^2/NDF : 6357.6/18

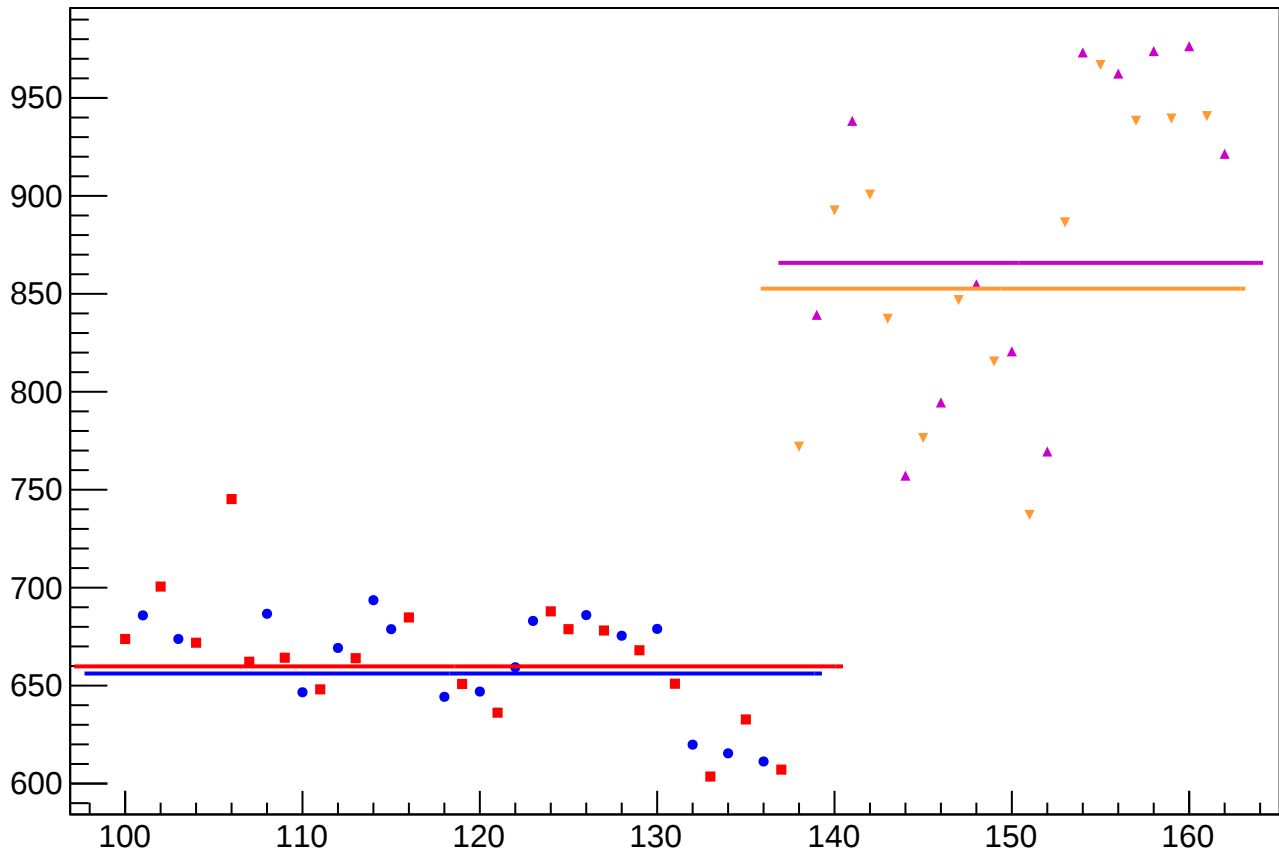
Left In: 30.536+/-0.280 χ^2/NDF : 2025.0/11

+ sign 14.178+/-0.186 χ^2/NDF : 18043.5/29

All: 10.466+/-0.131 χ^2/NDF : 39988.5/60

- sign 6.779+/-0.185 χ^2/NDF : 21150.6/30

diff_bpm1i04Y_rms vs Slug



Right In: 656.181+/-0.179 χ^2/NDF : 23569.6/16

Left Out: 852.666+/-0.194 χ^2/NDF : 144693.0/12

Right Out: 659.813+/-0.175 χ^2/NDF : 28325.7/18

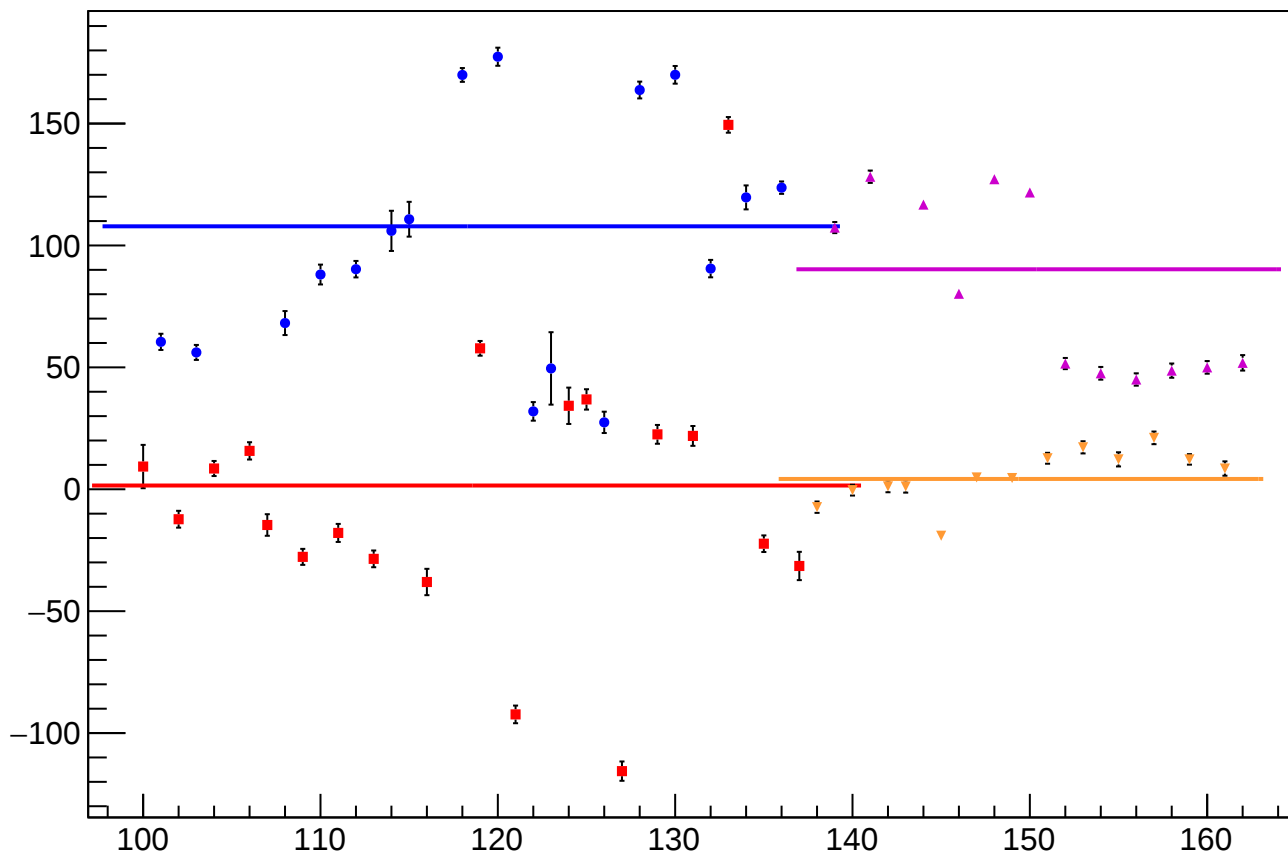
Left In: 865.812+/-0.198 χ^2/NDF : 172021.0/11

+ sign 746.443+/-0.131 χ^2/NDF : 723009.9/29

All: 748.162+/-0.093 χ^2/NDF : 1531906.8/60

- sign 749.870+/-0.131 χ^2/NDF : 808555.9/30

diff_bpm1i06X_mean vs Slug



Right In: 107.852 ± 0.922 χ^2/NDF : 2809.0/16

Left Out: 4.233 ± 0.624 χ^2/NDF : 271.5/12

Right Out: 1.542 ± 0.883 χ^2/NDF : 4523.8/18

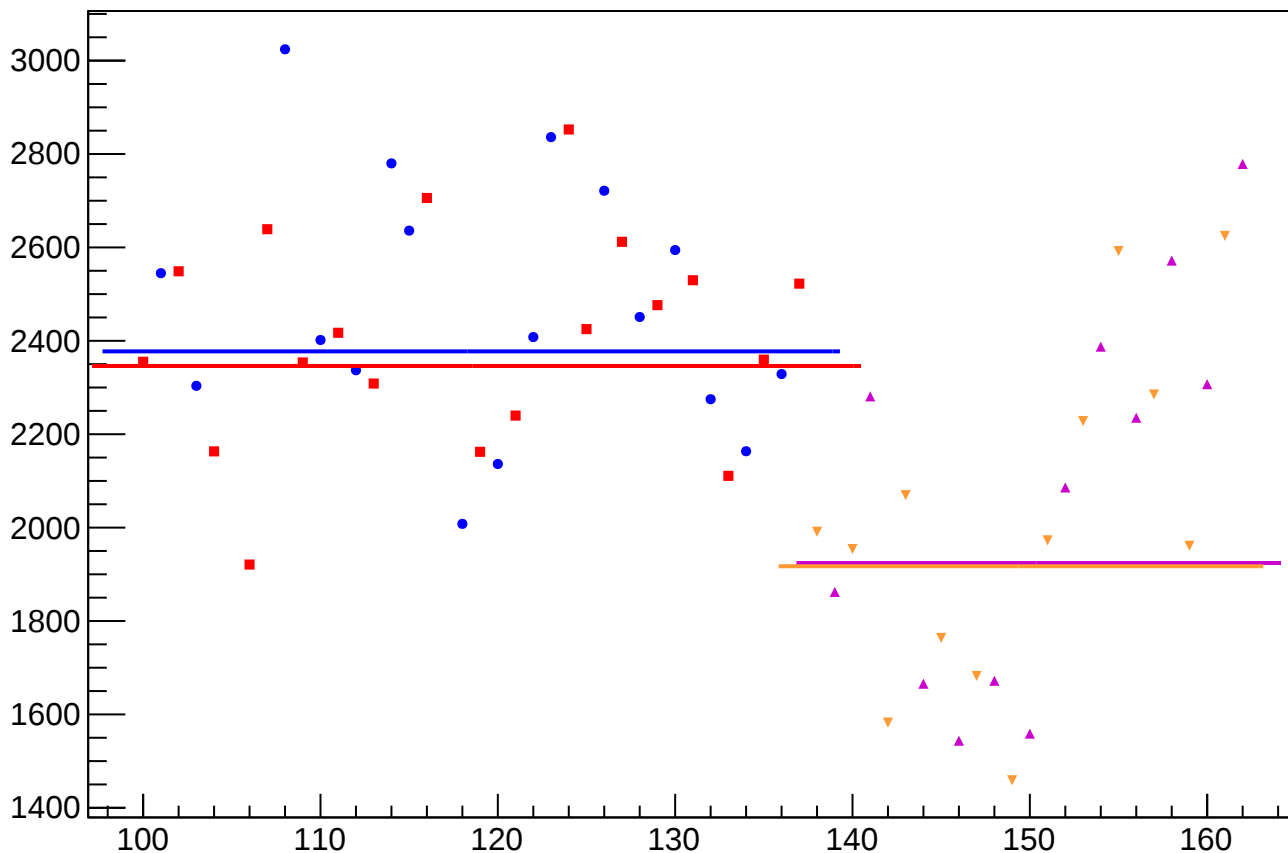
Left In: 90.229 ± 0.635 χ^2/NDF : 2717.2/11

+ sign 36.829 ± 0.517 χ^2/NDF : 11746.3/29

All: 48.466 ± 0.365 χ^2/NDF : 26647.2/60

- sign 60.037 ± 0.515 χ^2/NDF : 13889.9/30

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 1917.265+/-0.441 χ^2/NDF : 543816.2/12

Right Out: 2346.121+/-0.625 χ^2/NDF : 108257.3/18

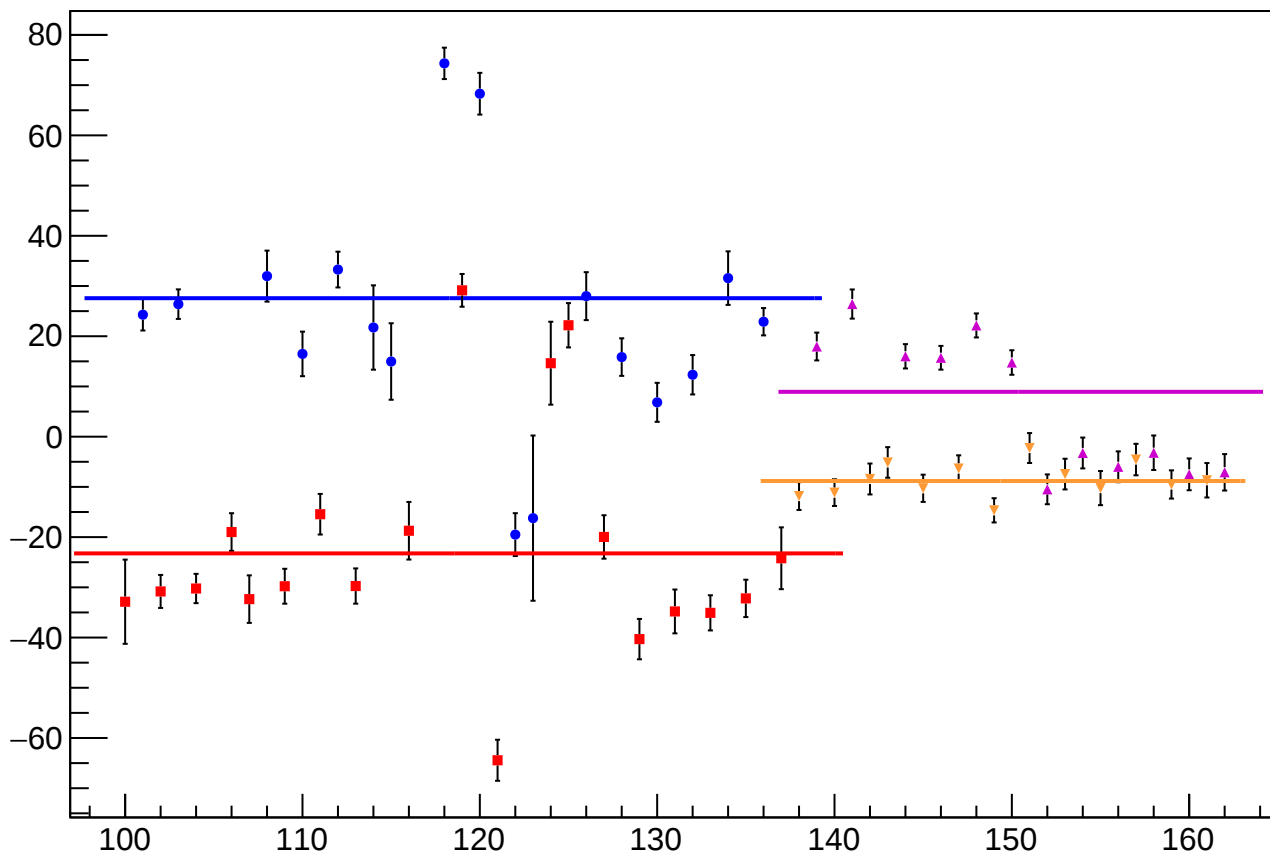
Left In: 1924.266+/-0.449 χ^2/NDF : 700542.3/11

+ sign 2062.020+/-0.365 χ^2/NDF : 1005269.8/29

All: 2064.959+/-0.258 χ^2/NDF : 2115073.3/60

- sign 2067.881+/-0.364 χ^2/NDF : 1109674.6/30

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 $\pm$ 0.975 χ^2 /NDF: 519.6/16

Left Out: -8.824 $\pm$ 0.801 χ^2 /NDF: 17.6/12

Right Out: -23.243 $\pm$ 0.927 χ^2 /NDF: 557.9/18

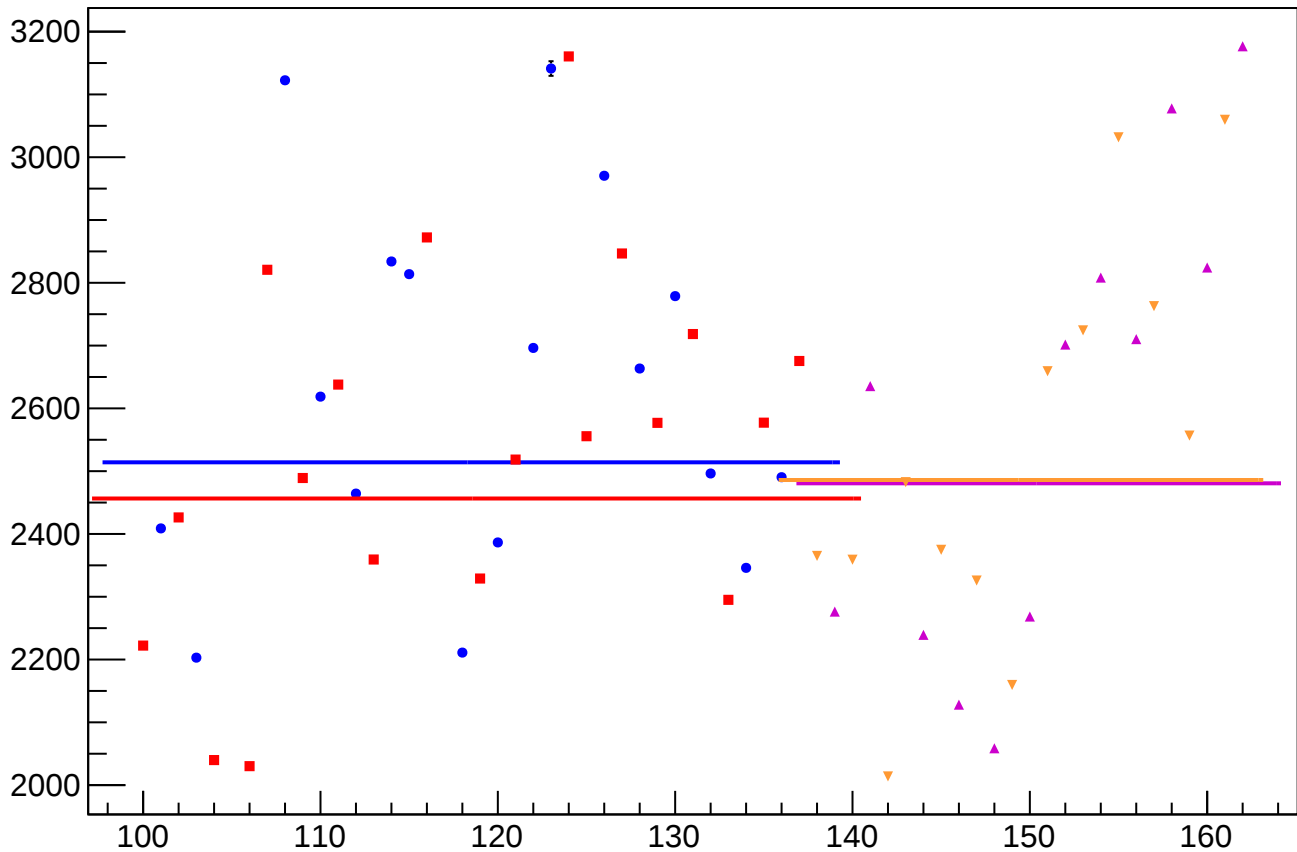
Left In: 8.933 $\pm$ 0.809 χ^2 /NDF: 241.0/11

+ sign 5.852 $\pm$ 0.619 χ^2 /NDF: 1369.4/29

All: 0.353 $\pm$ 0.434 χ^2 /NDF: 3007.5/60

- sign -4.982 $\pm$ 0.610 χ^2 /NDF: 1482.6/30

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088 $\pm$ 0.689 χ^2 /NDF: 120961.3/16

Left Out: 2485.919 $\pm$ 0.567 χ^2 /NDF: 246179.6/12

Right Out: 2456.460 $\pm$ 0.655 χ^2 /NDF: 149732.7/18

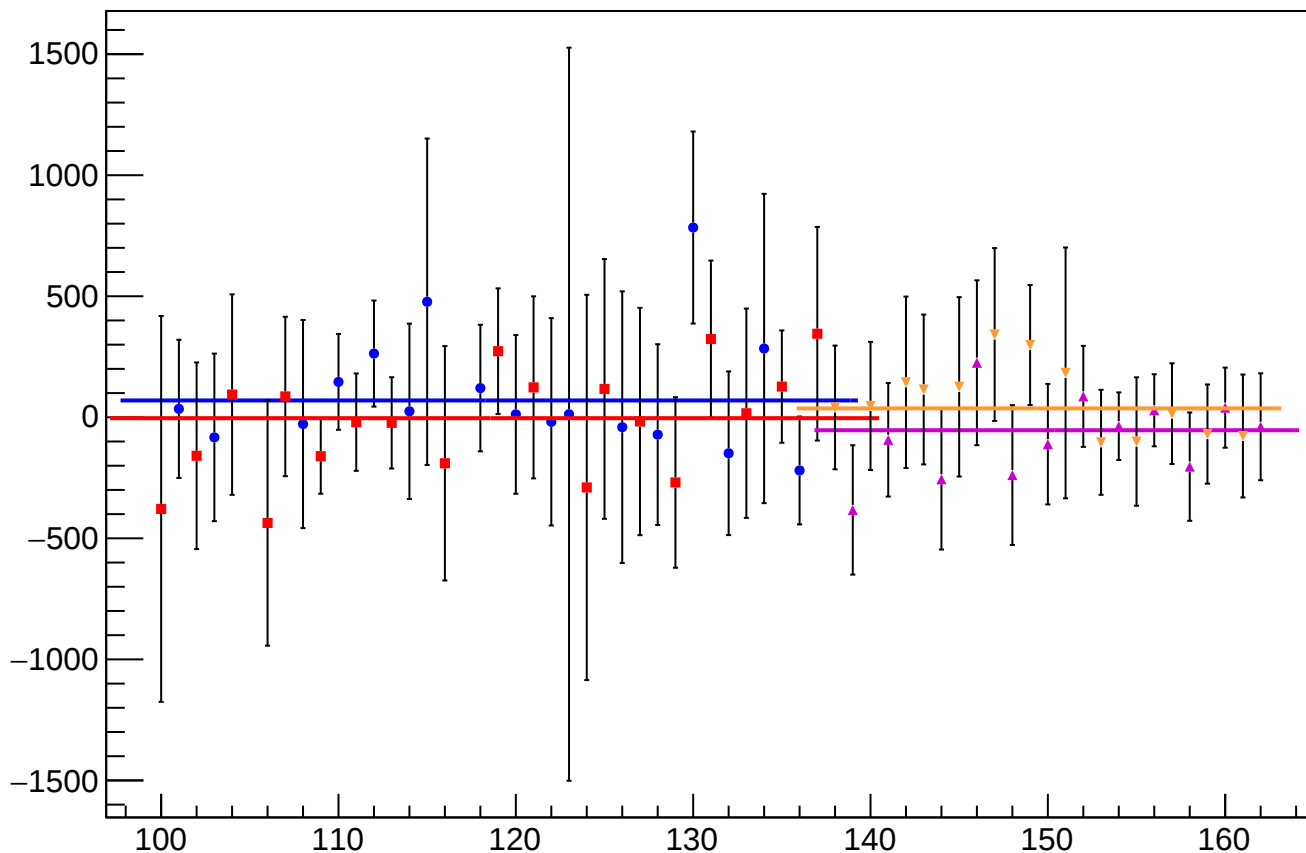
Left In: 2480.656 $\pm$ 0.572 χ^2 /NDF: 360906.9/11

+ sign 2497.276 $\pm$ 0.438 χ^2 /NDF: 368137.7/29

All: 2483.528 $\pm$ 0.307 χ^2 /NDF: 881494.6/60

- sign 2470.192 $\pm$ 0.431 χ^2 /NDF: 511413.0/30

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 69.587 ± 79.023 χ^2/NDF : 7.3/16

Left Out: 36.768 ± 74.324 χ^2/NDF : 3.3/12

Right Out: -3.562 ± 69.980 χ^2/NDF : 6.4/18

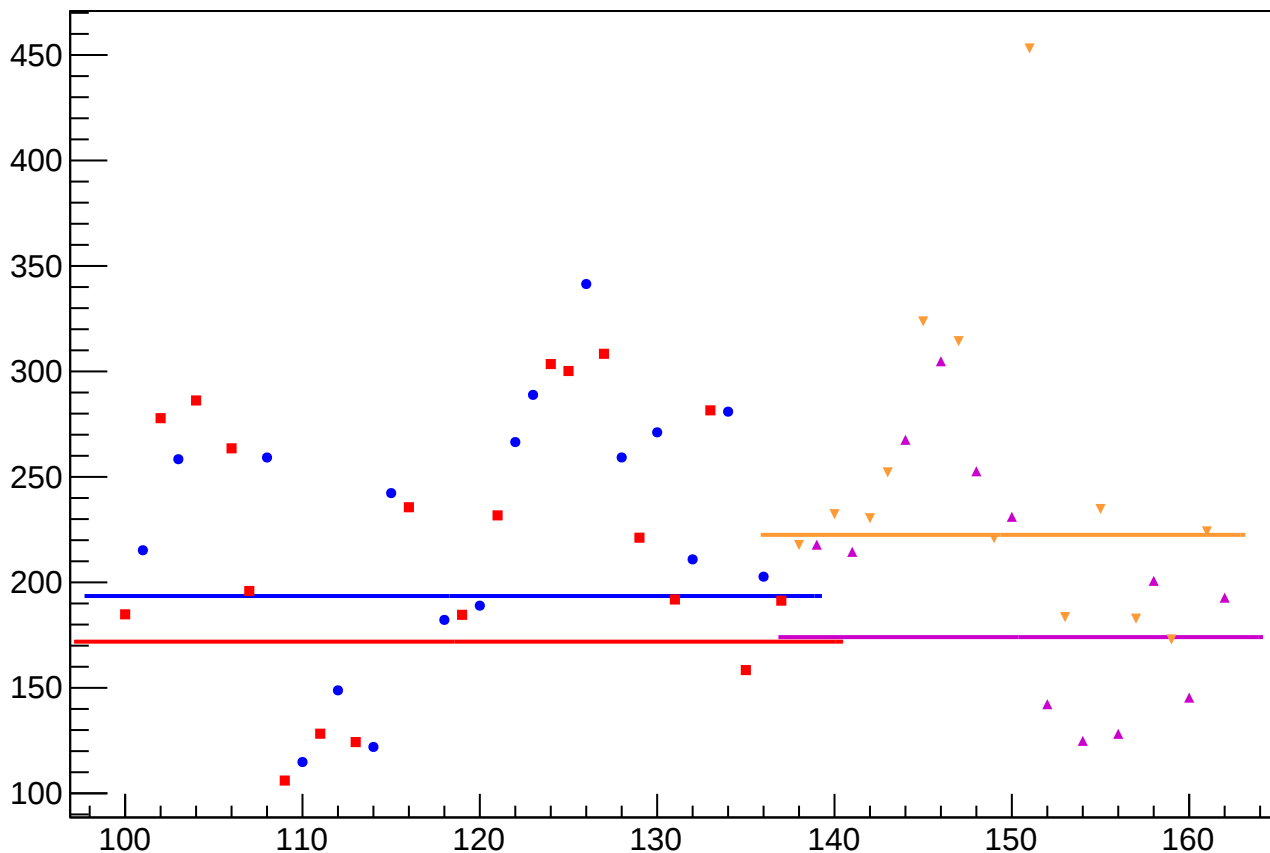
Left In: -53.427 ± 60.069 χ^2/NDF : 4.7/11

+ sign 52.173 ± 54.140 χ^2/NDF : 10.7/29

All: 2.754 ± 34.868 χ^2/NDF : 23.5/60

- sign -32.273 ± 45.580 χ^2/NDF : 11.4/30

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: 222.529 $\pm$ 0.053 χ^2 /NDF: 959596.2/12

Right Out: 171.901 $\pm$ 0.049 χ^2 /NDF: 1576883.7/18

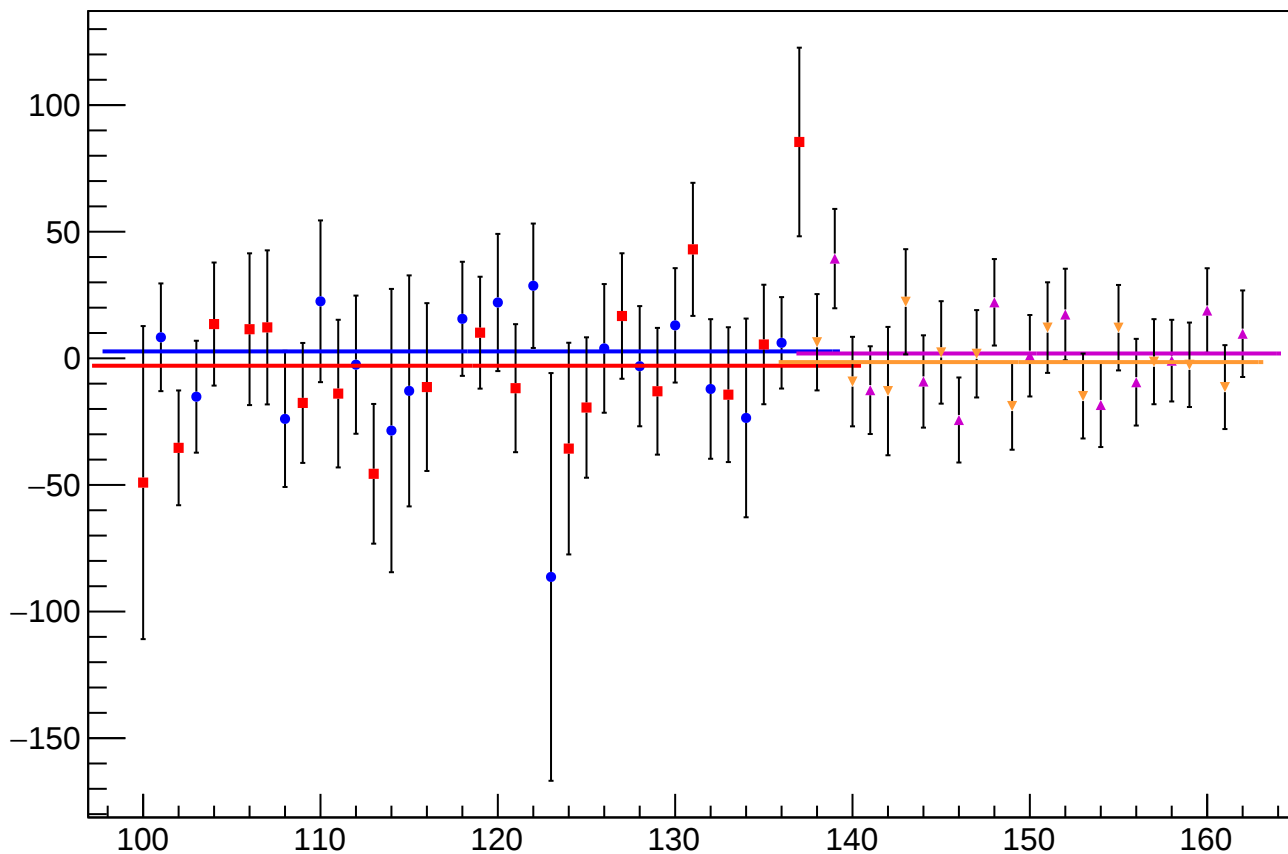
Left In: 174.054 $\pm$ 0.042 χ^2 /NDF: 1455891.6/11

+ sign 208.919 $\pm$ 0.038 χ^2 /NDF: 2112907.5/29

All: 187.981 $\pm$ 0.025 χ^2 /NDF: 5657920.2/60

- sign 173.141 $\pm$ 0.032 χ^2 /NDF: 3033866.0/30

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 ± 6.424 $\chi^2/\text{NDF}: 6.8/16$

Left Out: -1.489 ± 5.001 $\chi^2/\text{NDF}: 5.2/12$

Right Out: -2.928 ± 6.279 $\chi^2/\text{NDF}: 17.8/18$

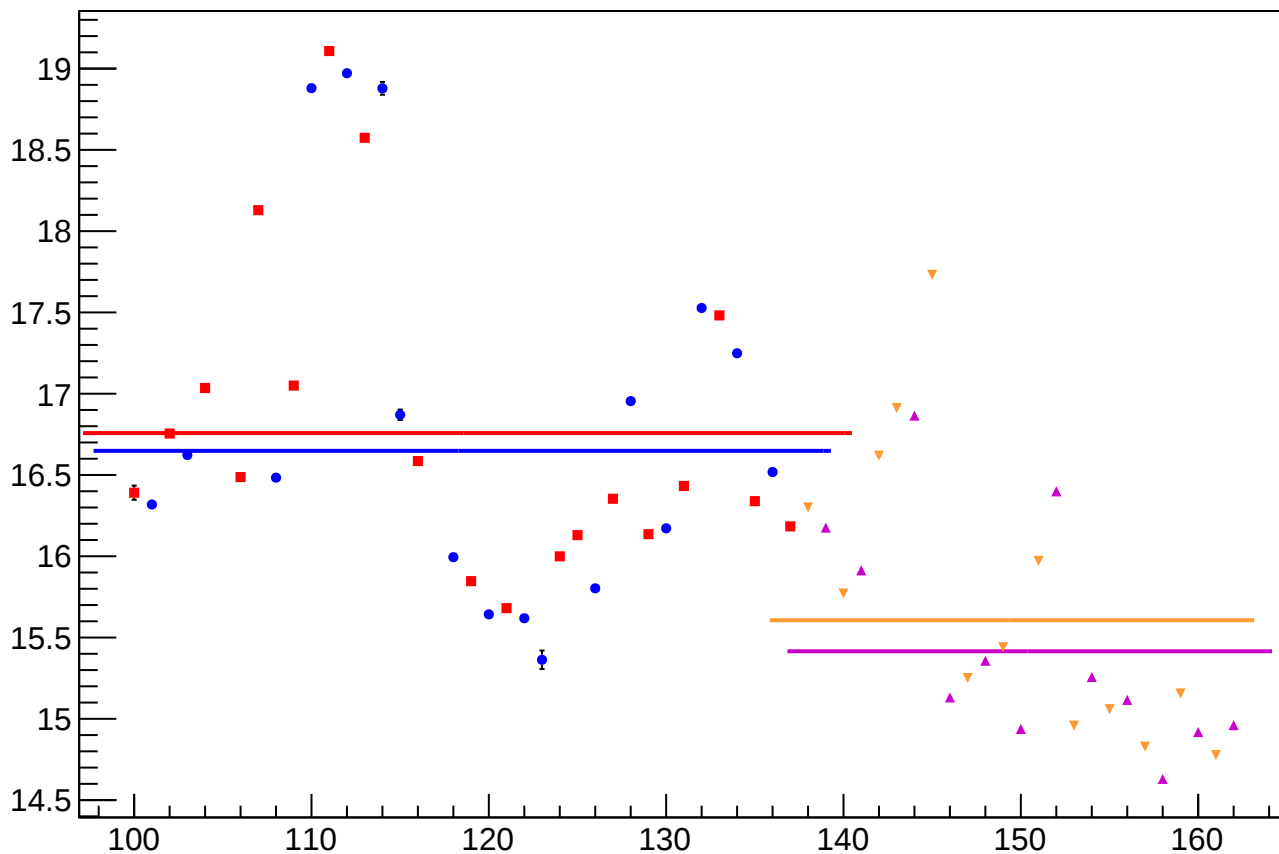
Left In: 1.909 ± 4.955 $\chi^2/\text{NDF}: 12.5/11$

+ sign 0.104 ± 3.947 $\chi^2/\text{NDF}: 12.2/29$

All: 0.078 ± 2.770 $\chi^2/\text{NDF}: 42.8/60$

- sign 0.053 ± 3.890 $\chi^2/\text{NDF}: 30.6/30$

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: 15.606 $\pm$ 0.004 χ^2 /NDF: 53700.9/12

Right Out: 16.758 $\pm$ 0.004 χ^2 /NDF: 39950.7/18

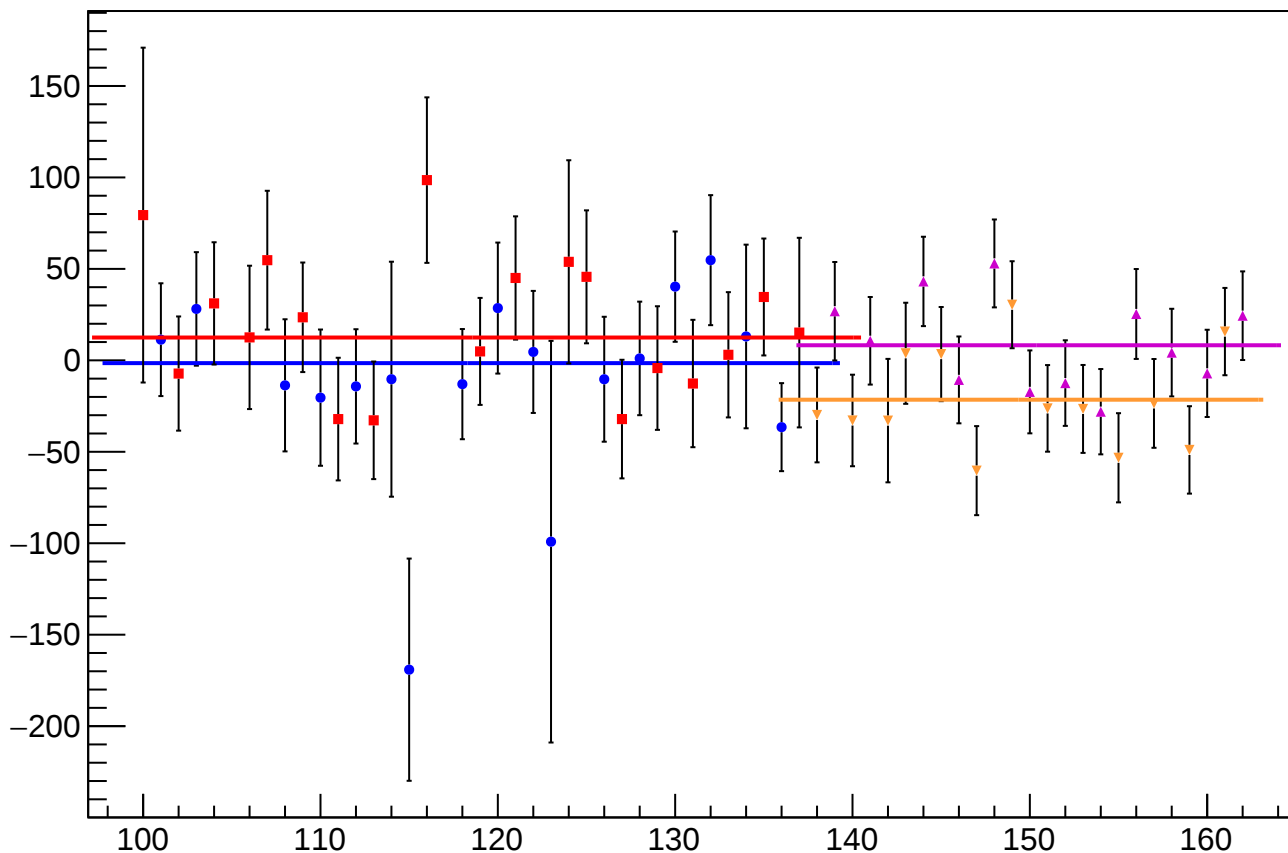
Left In: 15.416 $\pm$ 0.004 χ^2 /NDF: 34315.2/11

+ sign 16.000 $\pm$ 0.003 χ^2 /NDF: 129030.7/29

All: 15.965 $\pm$ 0.002 χ^2 /NDF: 259922.1/60

- sign 15.931 $\pm$ 0.003 χ^2 /NDF: 130580.6/30

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: -21.524 ± 6.961 χ^2/NDF : 15.1/12

Right Out: 12.475 ± 8.210 χ^2/NDF : 15.6/18

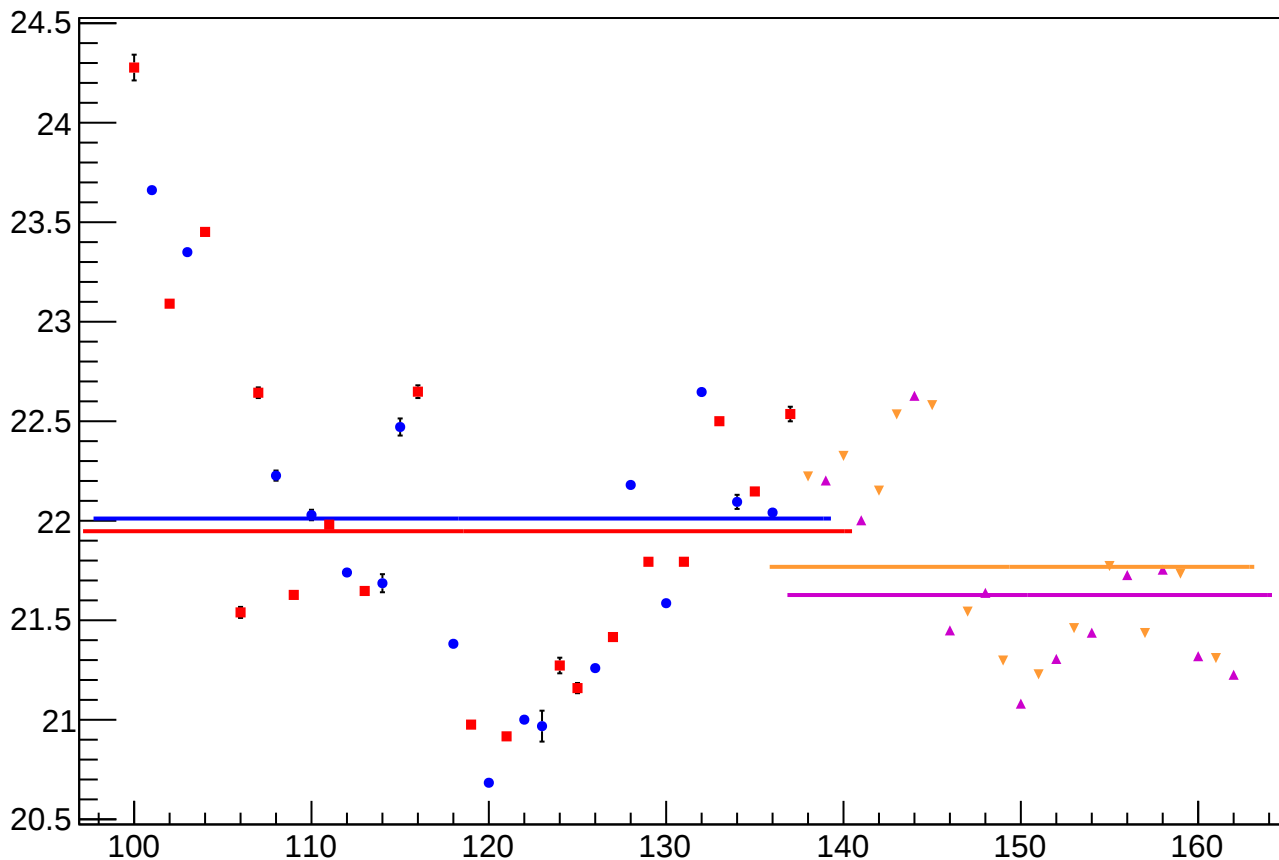
Left In: 8.245 ± 6.938 χ^2/NDF : 12.5/11

+ sign -13.479 ± 5.382 χ^2/NDF : 36.0/29

All: -1.554 ± 3.776 χ^2/NDF : 73.9/60

- sign 10.007 ± 5.299 χ^2/NDF : 28.2/30

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011 $\pm$ 0.006 χ^2 /NDF: 17546.9/16

Left Out: 21.768 $\pm$ 0.005 χ^2 /NDF: 8832.3/12

Right Out: 21.947 $\pm$ 0.006 χ^2 /NDF: 16592.7/18

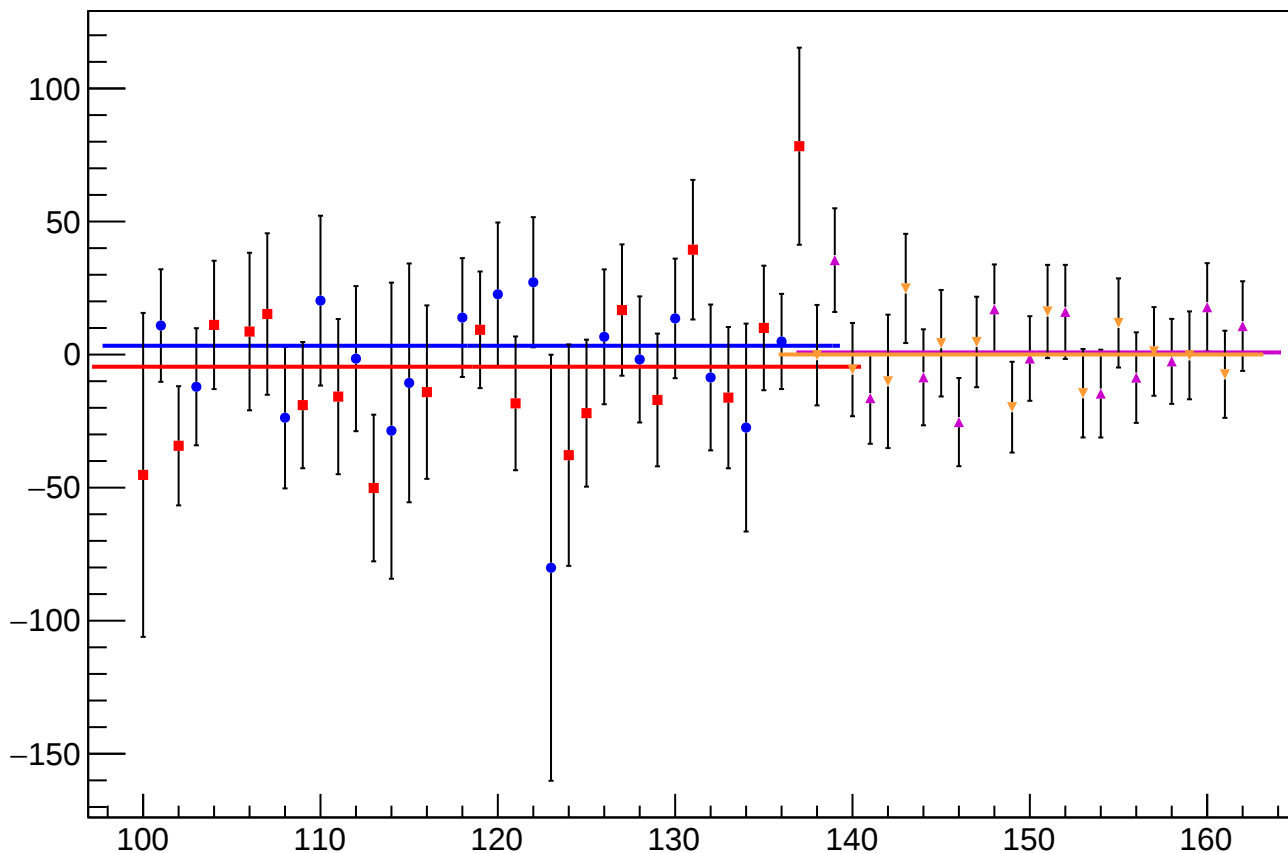
Left In: 21.627 $\pm$ 0.005 χ^2 /NDF: 7513.0/11

+ sign 21.866 $\pm$ 0.004 χ^2 /NDF: 27357.4/29

All: 21.812 $\pm$ 0.003 χ^2 /NDF: 53633.4/60

- sign 21.760 $\pm$ 0.004 χ^2 /NDF: 25884.6/30

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317 ± 6.388 $\chi^2/\text{NDF}: 6.3/16$

Left Out: 0.037 ± 4.947 $\chi^2/\text{NDF}: 5.5/12$

Right Out: -4.561 ± 6.244 $\chi^2/\text{NDF}: 17.7/18$

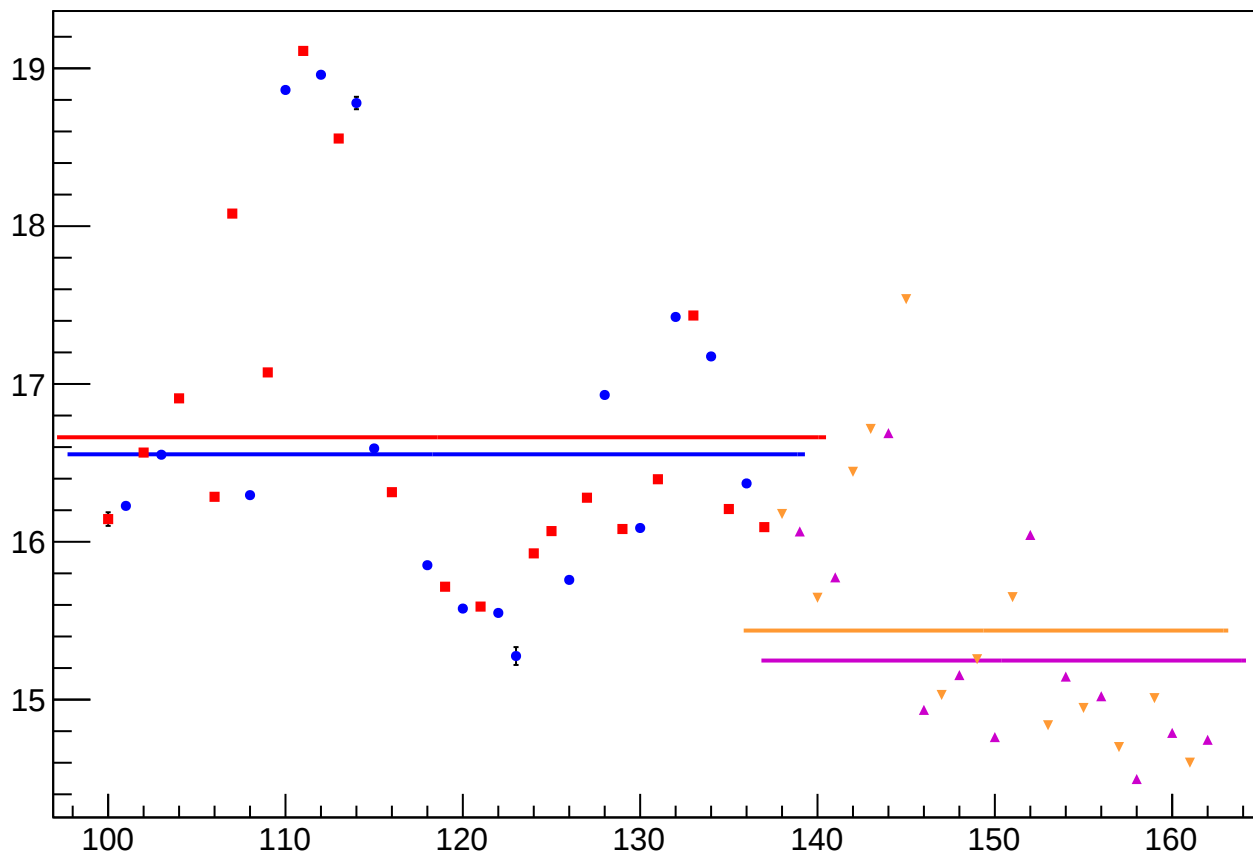
Left In: 0.813 ± 4.900 $\chi^2/\text{NDF}: 11.3/11$

+ sign 1.266 ± 3.911 $\chi^2/\text{NDF}: 12.0/29$

All: -0.003 ± 2.746 $\chi^2/\text{NDF}: 41.6/60$

- sign -1.236 ± 3.855 $\chi^2/\text{NDF}: 29.4/30$

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: 15.438 $\pm$ 0.003 χ^2 /NDF: 52830.1/12

Right Out: 16.662 $\pm$ 0.004 χ^2 /NDF: 43063.6/18

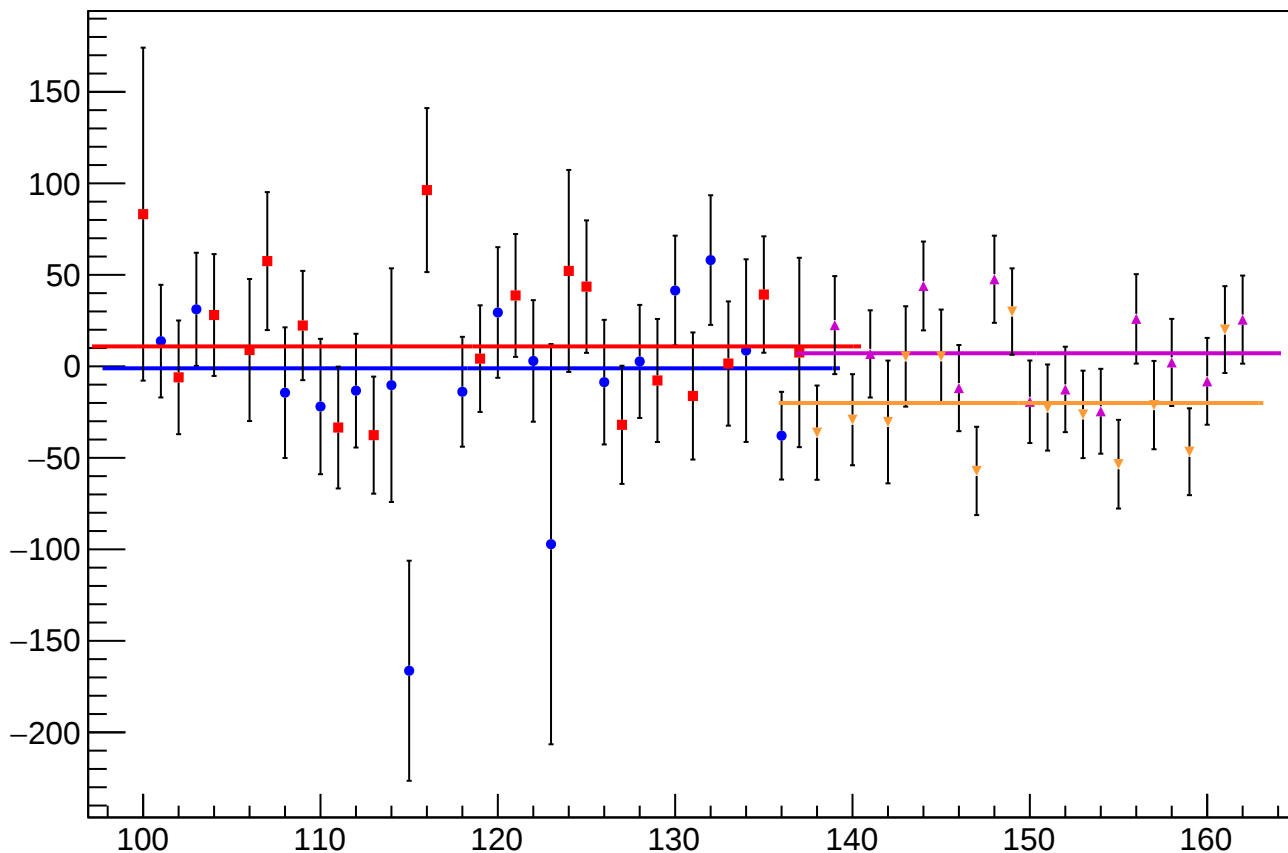
Left In: 15.248 $\pm$ 0.003 χ^2 /NDF: 33022.4/11

+ sign 15.856 $\pm$ 0.003 χ^2 /NDF: 135510.2/29

All: 15.821 $\pm$ 0.002 χ^2 /NDF: 275459.5/60

- sign 15.787 $\pm$ 0.003 χ^2 /NDF: 139629.6/30

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.068 ± 8.444 $\chi^2/\text{NDF}: 18.5/16$

Left Out: -20.030 ± 6.915 $\chi^2/\text{NDF}: 15.4/12$

Right Out: 10.900 ± 8.169 $\chi^2/\text{NDF}: 16.2/18$

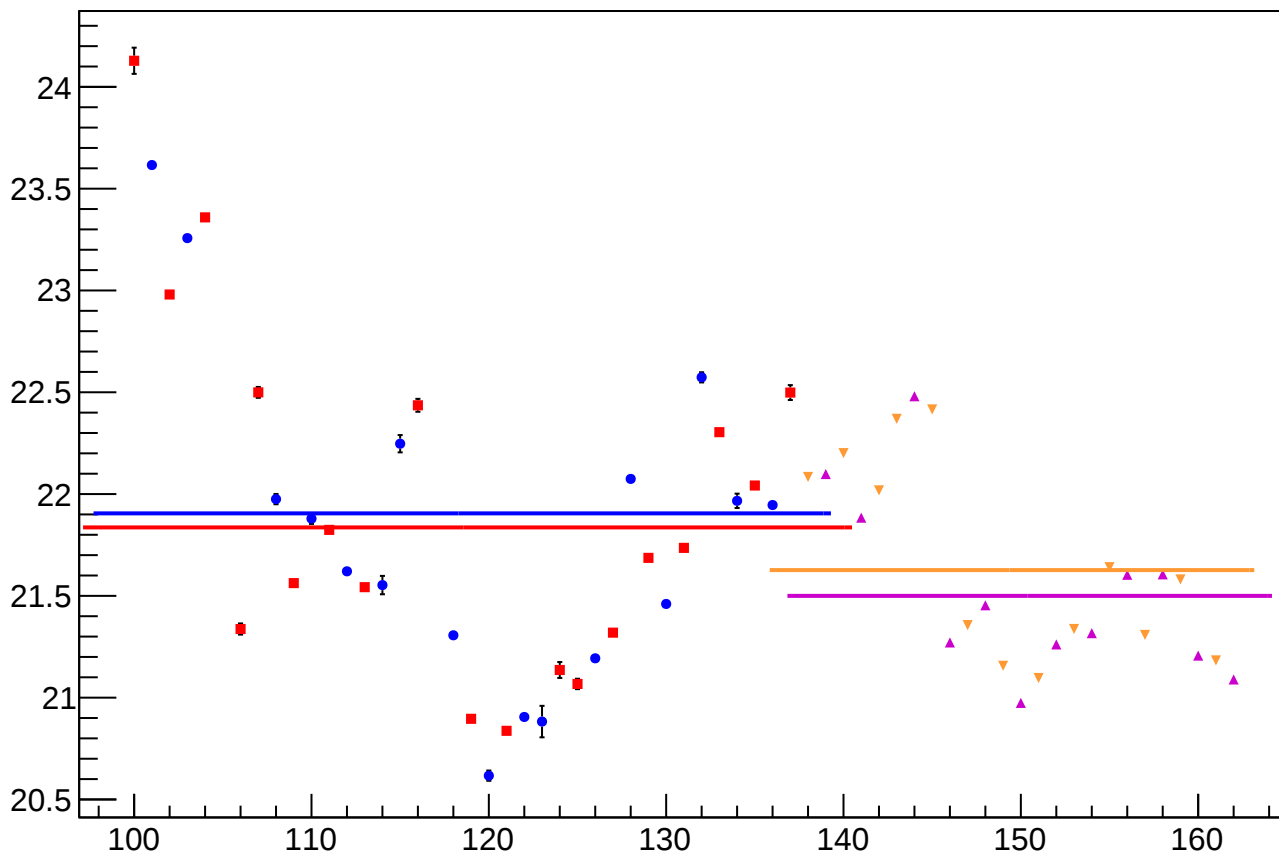
Left In: 7.152 ± 6.897 $\chi^2/\text{NDF}: 11.8/11$

+ sign -12.418 ± 5.350 $\chi^2/\text{NDF}: 36.9/29$

All: -1.693 ± 3.754 $\chi^2/\text{NDF}: 73.0/60$

- sign 8.712 ± 5.270 $\chi^2/\text{NDF}: 28.1/30$

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.905 $\pm$ 0.006 χ^2 /NDF: 17794.2/16

Left Out: 21.627 $\pm$ 0.005 χ^2 /NDF: 8750.9/12

Right Out: 21.836 $\pm$ 0.006 χ^2 /NDF: 16251.2/18

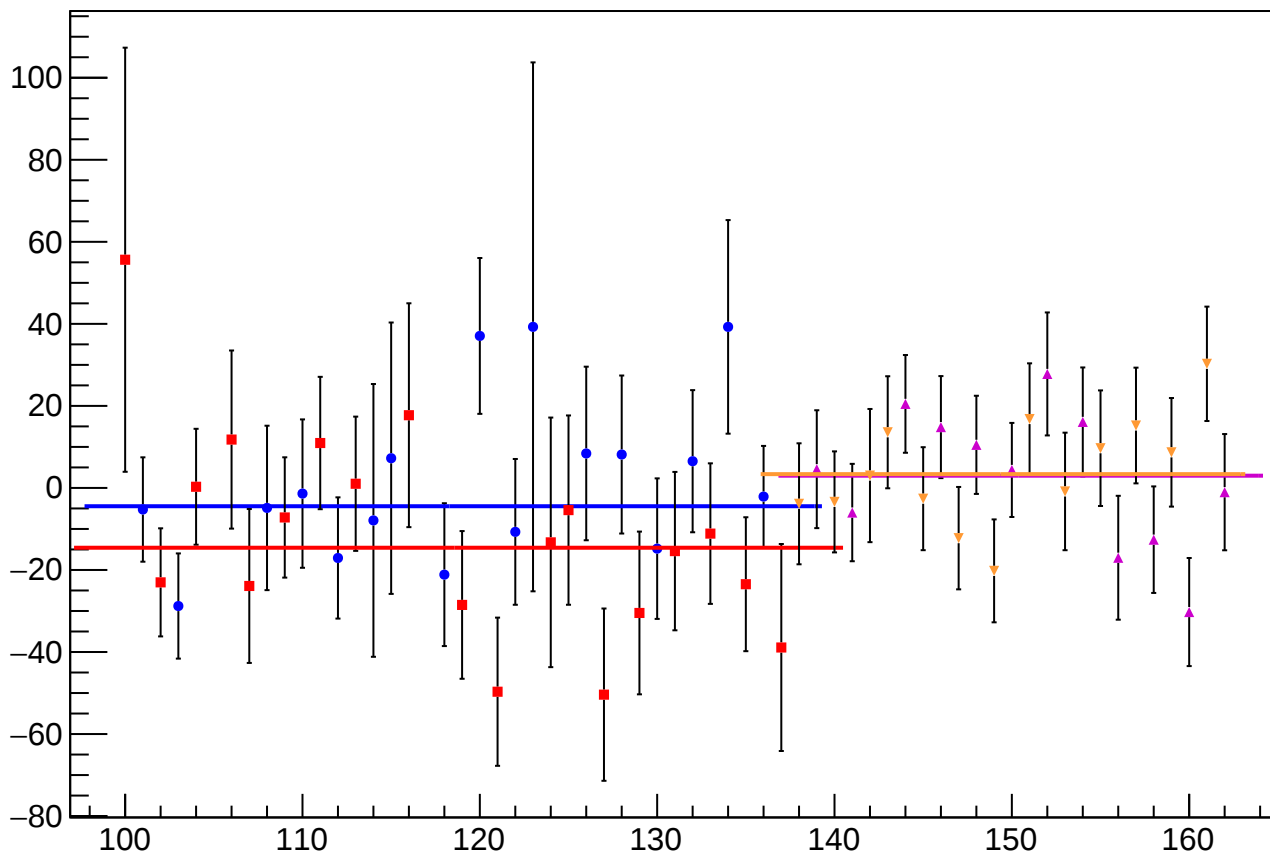
Left In: 21.500 $\pm$ 0.005 χ^2 /NDF: 7360.9/11

+ sign 21.738 $\pm$ 0.004 χ^2 /NDF: 27848.5/29

All: 21.688 $\pm$ 0.003 χ^2 /NDF: 53783.0/60

- sign 21.640 $\pm$ 0.004 χ^2 /NDF: 25590.4/30

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: 3.363 ± 3.762 χ^2/NDF : 12.3/12

Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

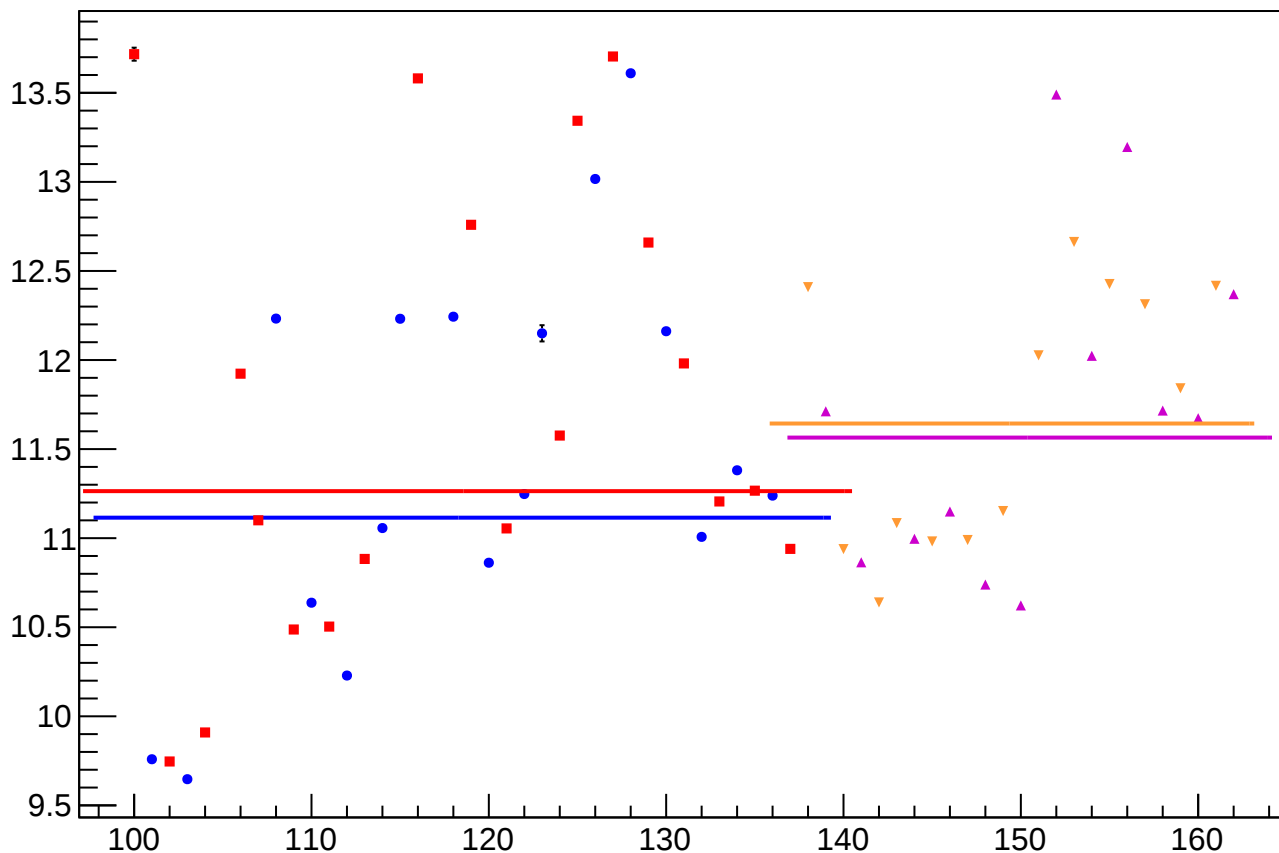
Left In: 2.985 ± 3.747 χ^2/NDF : 17.4/11

+ sign -0.003 ± 2.839 χ^2/NDF : 29.3/29

All: -2.356 ± 1.999 χ^2/NDF : 77.2/60

- sign -4.669 ± 2.815 χ^2/NDF : 46.5/30

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 ± 0.003 $\chi^2/\text{NDF}: 133059.3/16$

Left Out: 11.644 ± 0.003 $\chi^2/\text{NDF}: 66052.0/12$

Right Out: 11.264 ± 0.003 $\chi^2/\text{NDF}: 147483.5/18$

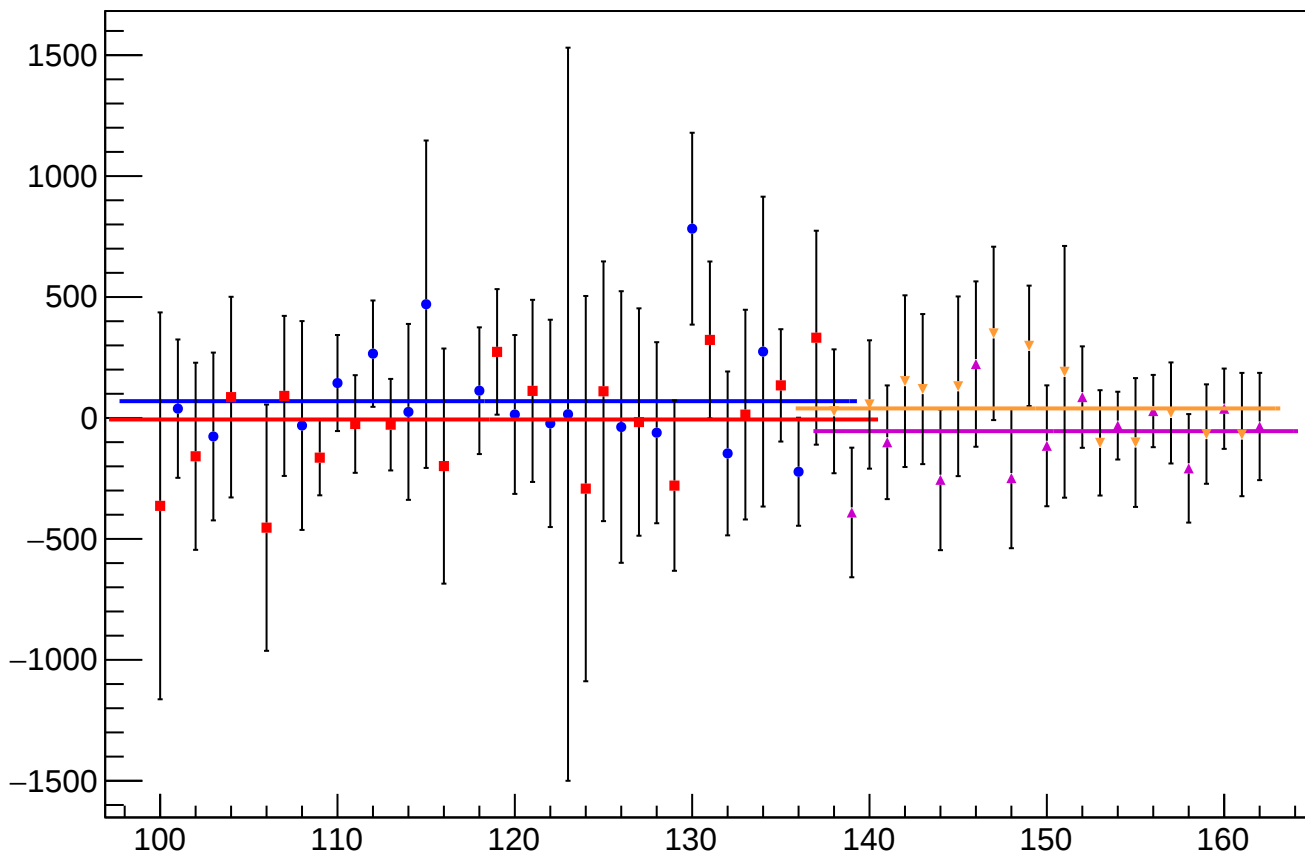
Left In: 11.565 ± 0.003 $\chi^2/\text{NDF}: 102549.5/11$

+ sign 11.416 ± 0.002 $\chi^2/\text{NDF}: 216096.6/29$

All: 11.425 ± 0.001 $\chi^2/\text{NDF}: 471777.7/60$

- sign 11.434 ± 0.002 $\chi^2/\text{NDF}: 255643.0/30$

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: 39.473+/-74.576 χ^2/NDF : 3.3/12

Right Out: -6.194+/-70.182 χ^2/NDF : 6.5/18

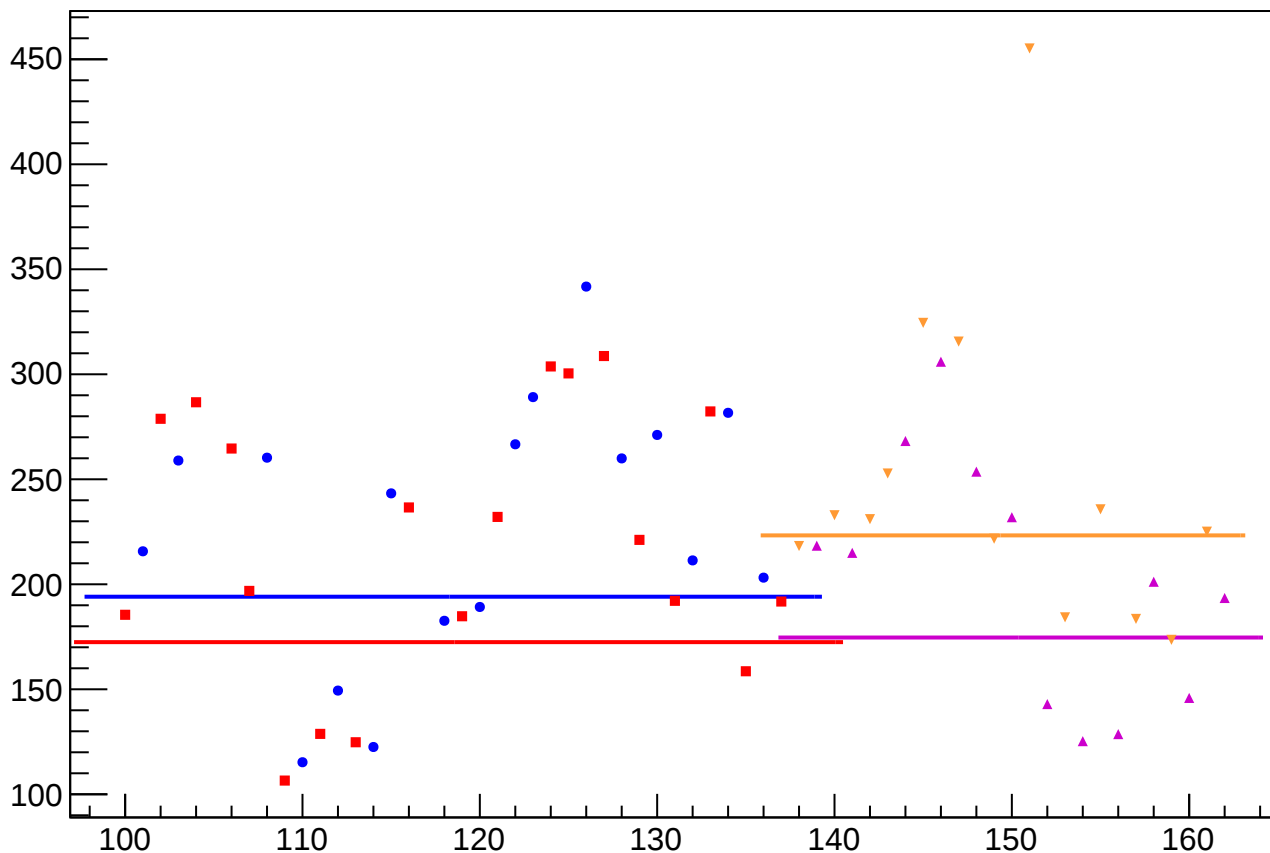
Left In: -54.504+/-60.271 χ^2/NDF : 4.8/11

+ sign 53.565+/-54.304 χ^2/NDF : 10.6/29

All: 2.327+/-34.977 χ^2/NDF : 23.8/60

- sign -33.999+/-45.724 χ^2/NDF : 11.6/30

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: 223.285 $\pm$ 0.053 χ^2 /NDF: 958881.8/12

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

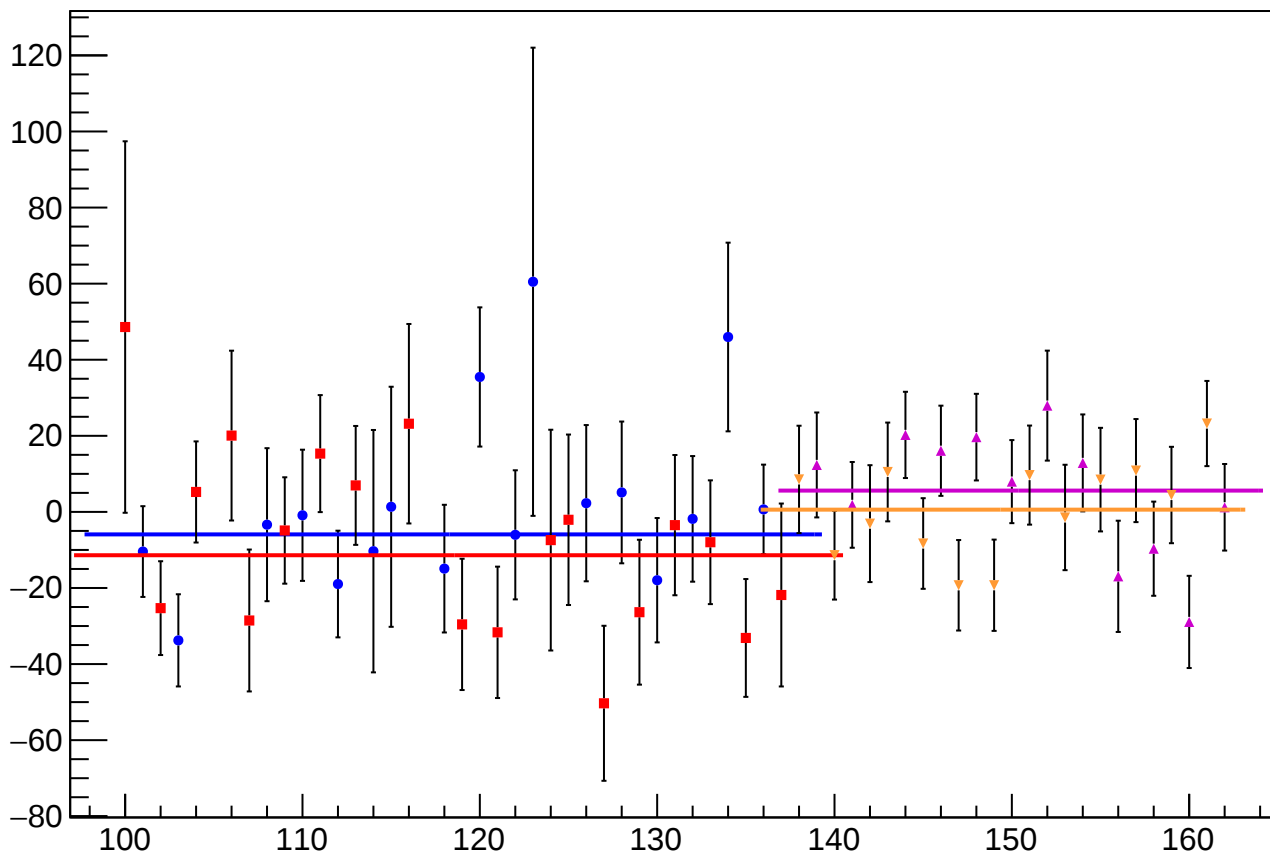
Left In: 174.648 $\pm$ 0.043 χ^2 /NDF: 1453658.2/11

+ sign 209.567 $\pm$ 0.038 χ^2 /NDF: 2108353.9/29

All: 188.589 $\pm$ 0.025 χ^2 /NDF: 5642671.6/60

- sign 173.716 $\pm$ 0.032 χ^2 /NDF: 3024248.6/30

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: 0.592 ± 3.541 χ^2/NDF : 13.7/12

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

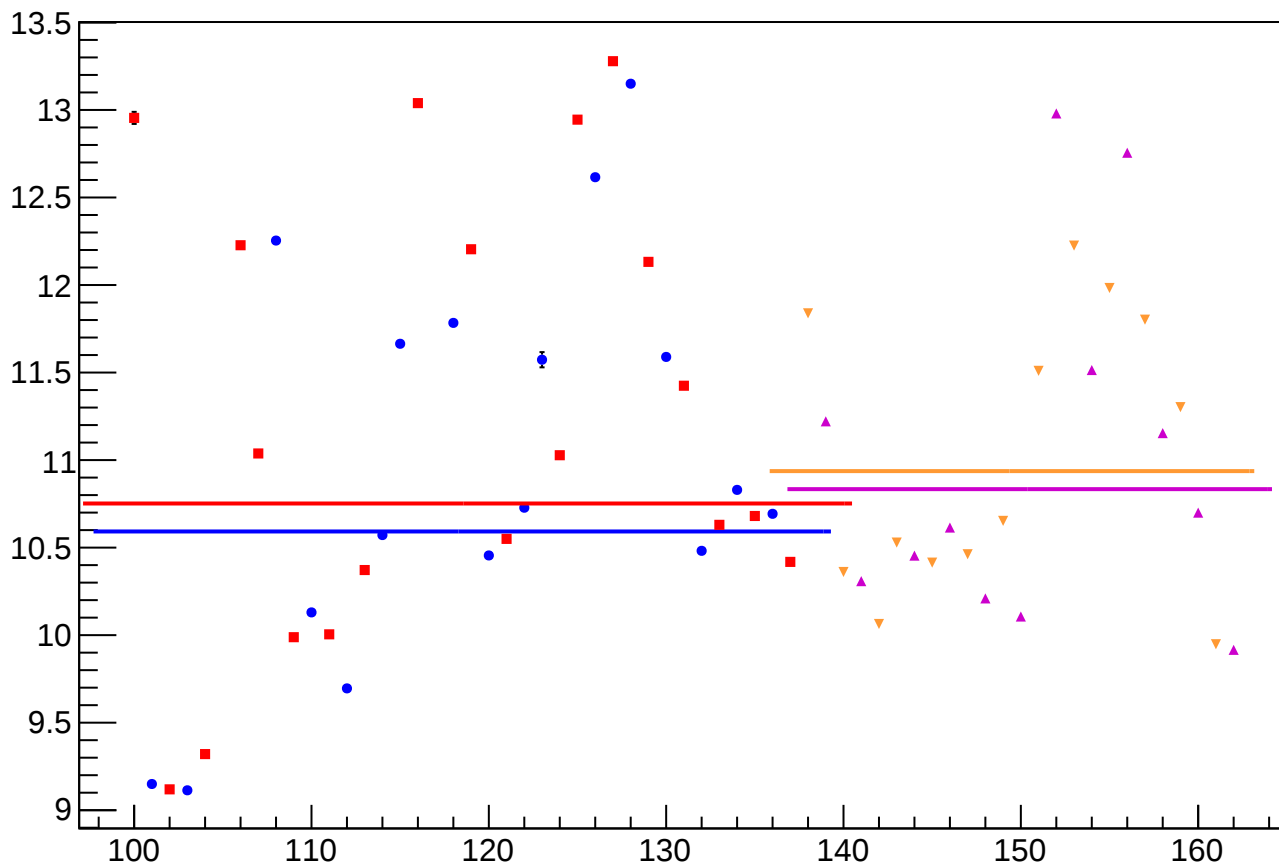
Left In: 5.602 ± 3.518 χ^2/NDF : 19.2/11

+ sign -2.162 ± 2.689 χ^2/NDF : 34.0/29

All: -1.902 ± 1.892 χ^2/NDF : 86.0/60

- sign -1.646 ± 2.664 χ^2/NDF : 52.1/30

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 ± 0.003 χ^2/NDF : 160397.9/16

Left Out: 10.937 ± 0.003 χ^2/NDF : 88023.2/12

Right Out: 10.752 ± 0.003 χ^2/NDF : 176895.3/18

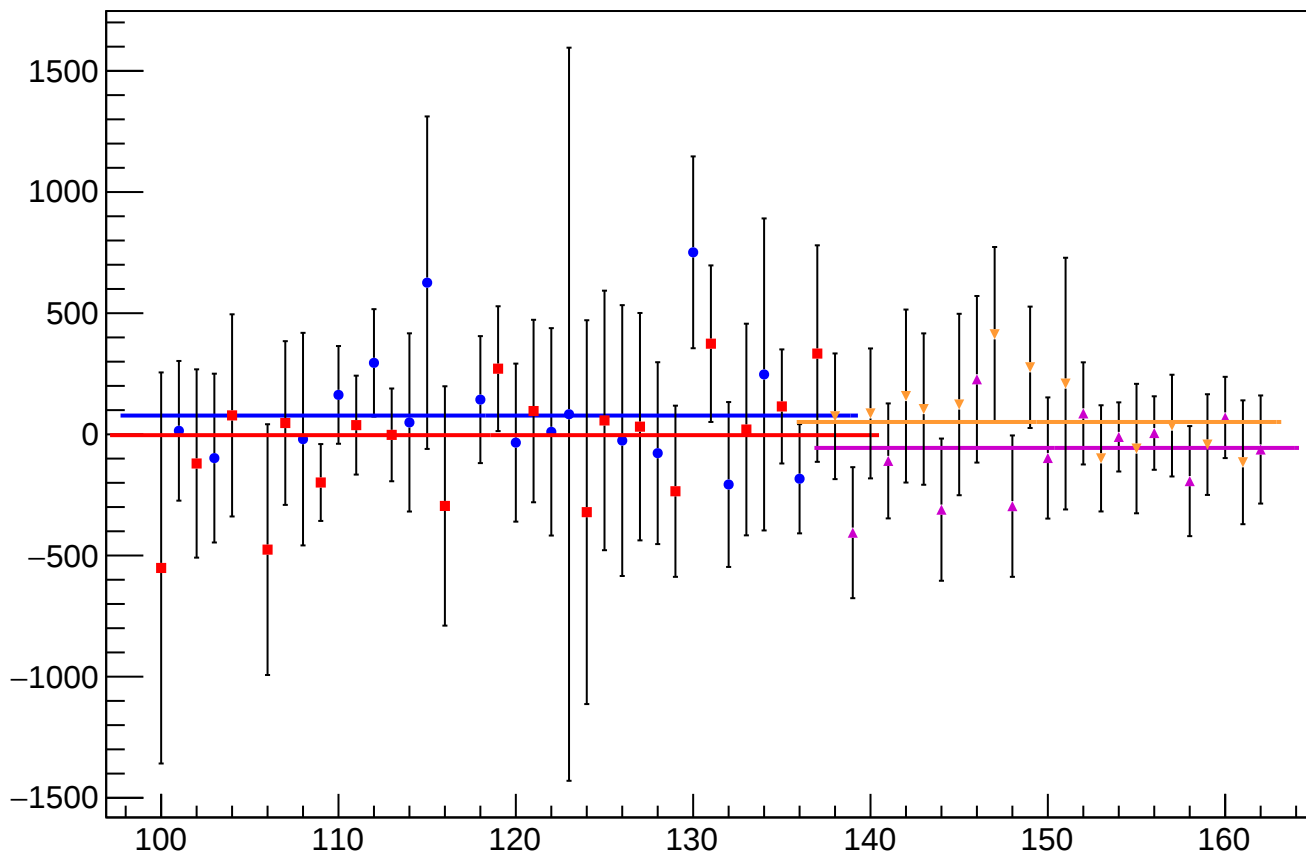
Left In: 10.834 ± 0.002 χ^2/NDF : 122677.4/11

+ sign 10.791 ± 0.002 χ^2/NDF : 256446.3/29

All: 10.795 ± 0.001 χ^2/NDF : 556491.3/60

- sign 10.799 ± 0.002 χ^2/NDF : 300036.1/30

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: 51.087 $\pm$ 75.089 χ^2 /NDF: 3.4/12

Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

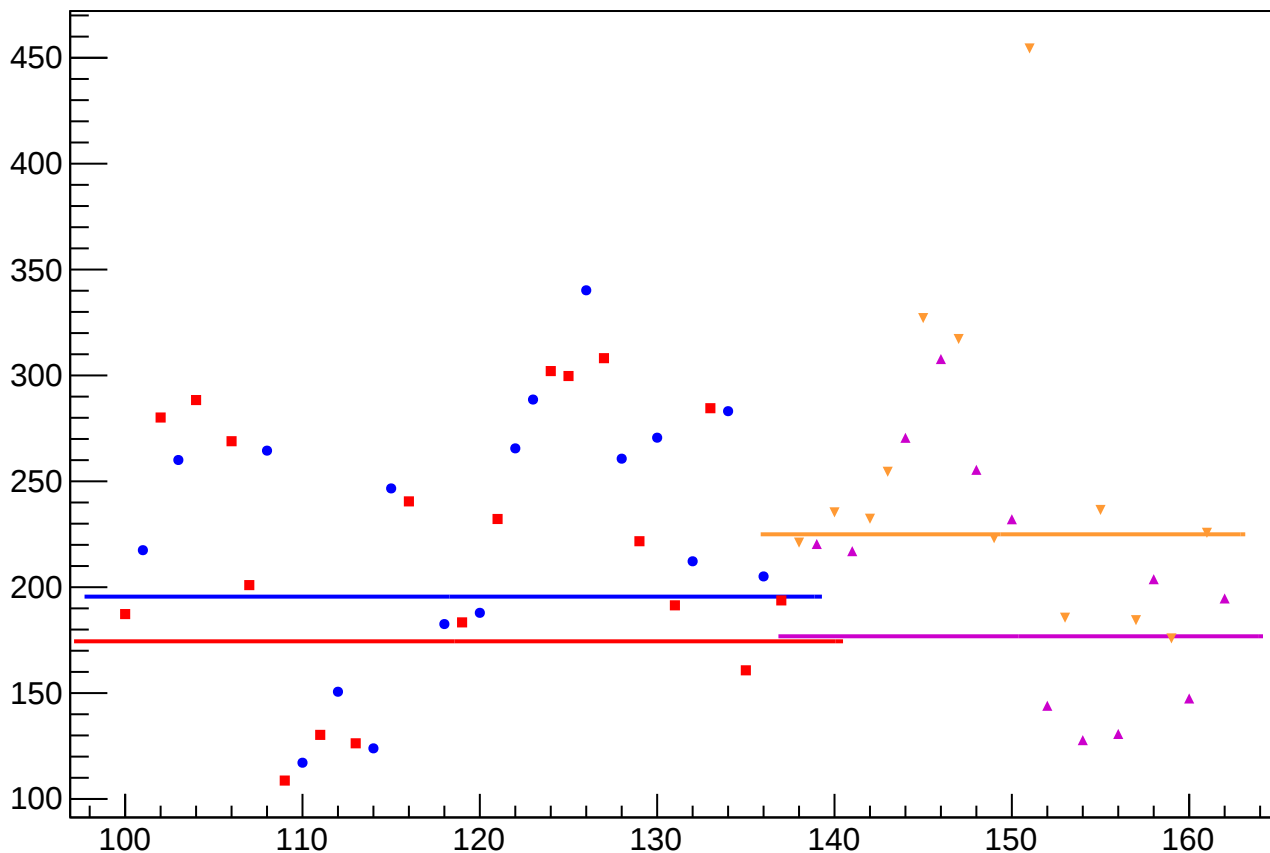
Left In: -55.978 $\pm$ 60.926 χ^2 /NDF: 5.5/11

+ sign 63.541 $\pm$ 54.670 χ^2 /NDF: 11.0/29

All: 6.874 $\pm$ 35.286 χ^2 /NDF: 26.0/60

- sign -33.588 $\pm$ 46.196 χ^2 /NDF: 13.2/30

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: 224.981 $\pm$ 0.053 χ^2 /NDF: 947199.9/12

Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

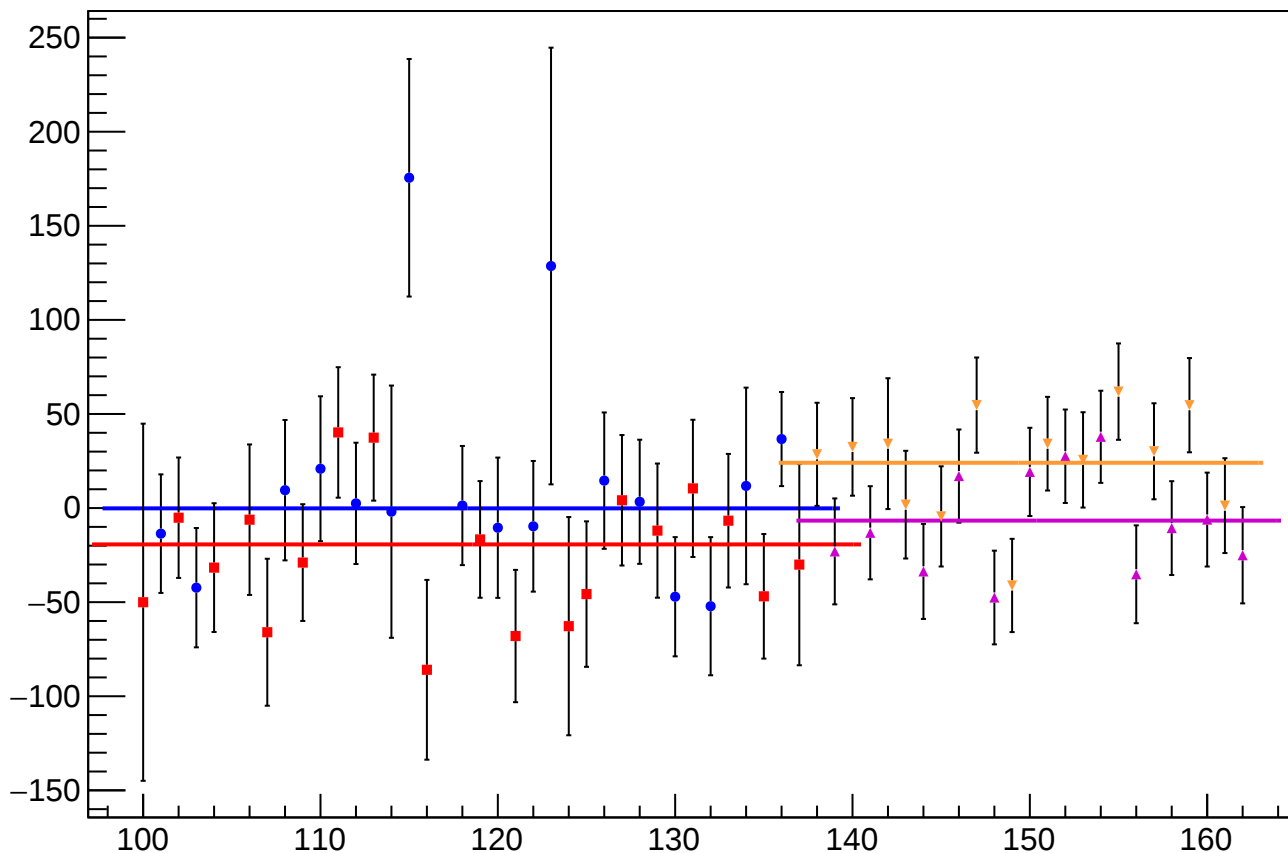
Left In: 176.823 $\pm$ 0.043 χ^2 /NDF: 1418414.9/11

+ sign 211.151 $\pm$ 0.039 χ^2 /NDF: 2071505.3/29

All: 190.535 $\pm$ 0.025 χ^2 /NDF: 5507341.6/60

- sign 175.814 $\pm$ 0.033 χ^2 /NDF: 2948334.9/30

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: 24.068 ± 7.279 χ^2/NDF : 15.1/12

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

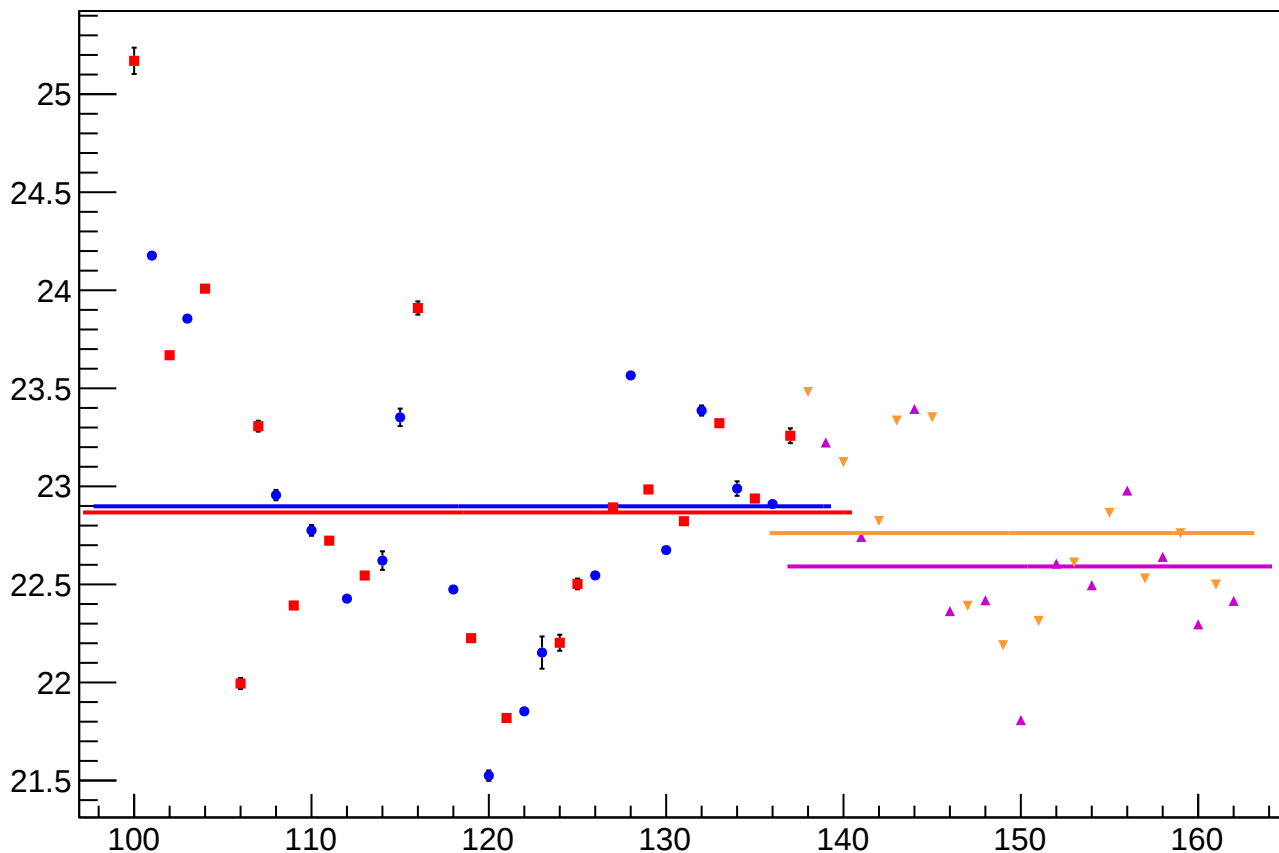
Left In: -6.656 ± 7.248 χ^2/NDF : 13.3/11

+ sign 14.261 ± 5.616 χ^2/NDF : 37.6/29

All: 0.955 ± 3.940 χ^2/NDF : 78.1/60

- sign -11.947 ± 5.530 χ^2/NDF : 29.4/30

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: 22.762 $\pm$ 0.005 χ^2 /NDF: 6191.7/12

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

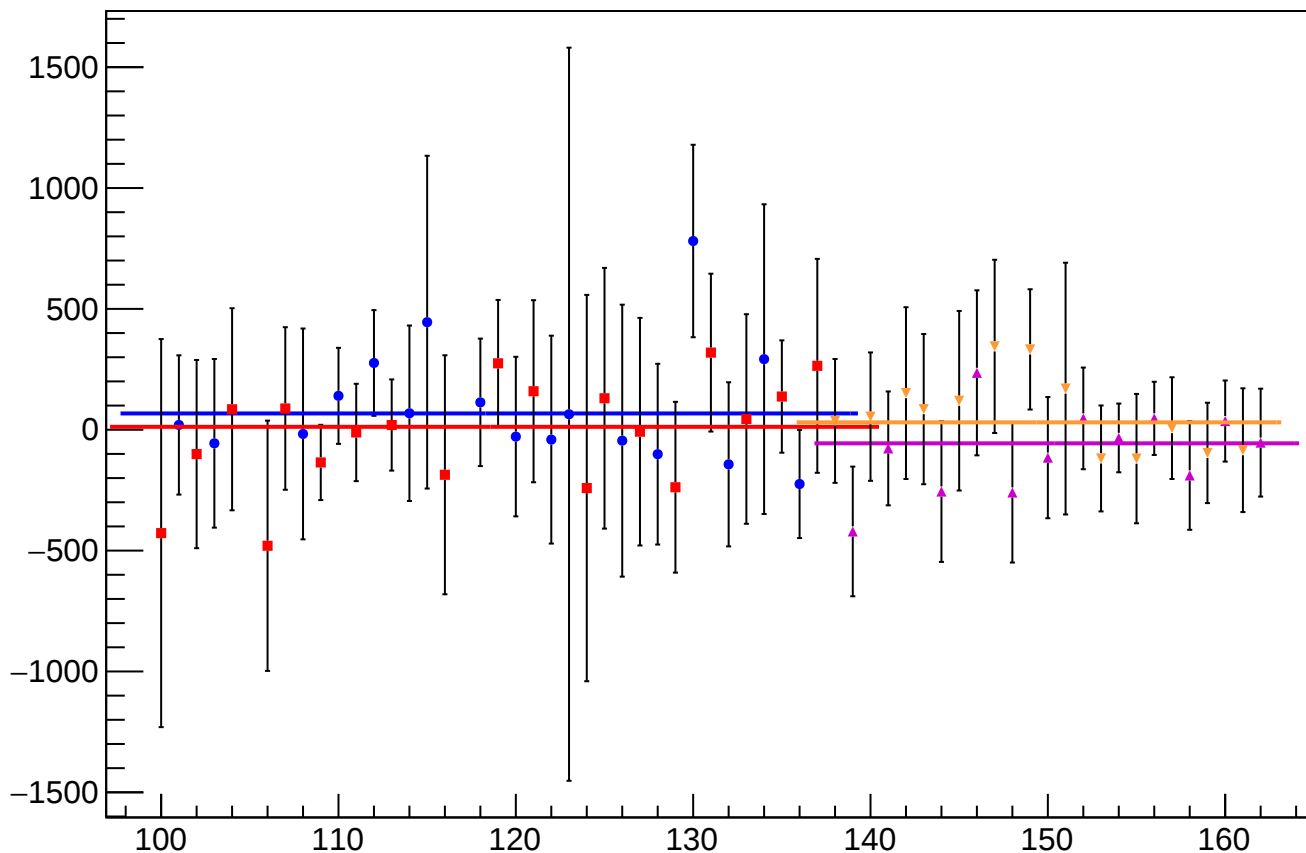
Left In: 22.592 $\pm$ 0.005 χ^2 /NDF: 6457.8/11

+ sign 22.817 $\pm$ 0.004 χ^2 /NDF: 18619.6/29

All: 22.761 $\pm$ 0.003 χ^2 /NDF: 37724.2/60

- sign 22.707 $\pm$ 0.004 χ^2 /NDF: 18712.3/30

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: 30.634+/-74.864 χ^2/NDF : 3.9/12

Right Out: 12.117+/-70.355 χ^2/NDF : 5.8/18

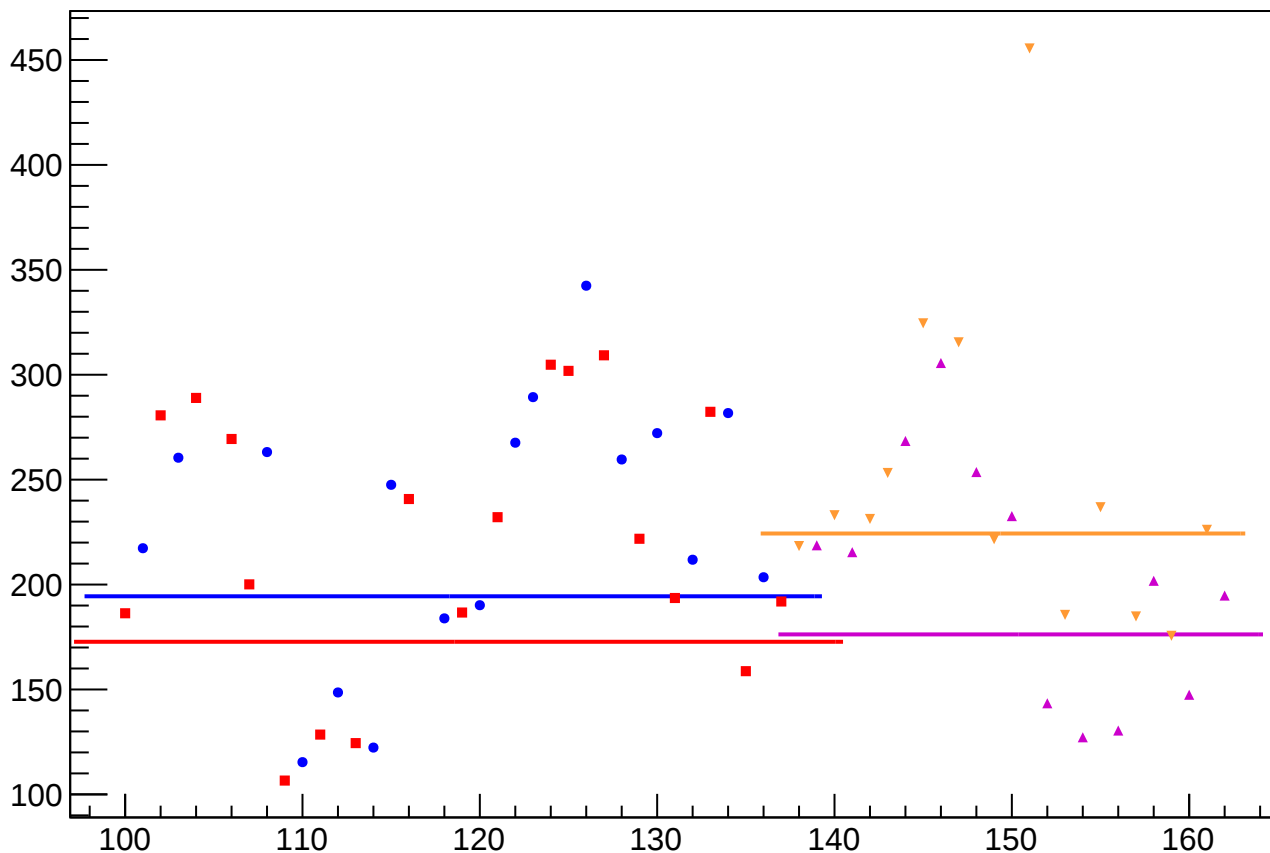
Left In: -56.213+/-60.723 χ^2/NDF : 5.0/11

+ sign 47.959+/-54.471 χ^2/NDF : 11.4/29

All: 4.154+/-35.131 χ^2/NDF : 23.8/60

- sign -27.042+/-45.969 χ^2/NDF : 11.3/30

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411+/-0.056 χ^2/NDF : 1019913.2/16

Left Out: 224.331+/-0.053 χ^2/NDF : 938396.5/12

Right Out: 172.730+/-0.050 χ^2/NDF : 1596758.0/18

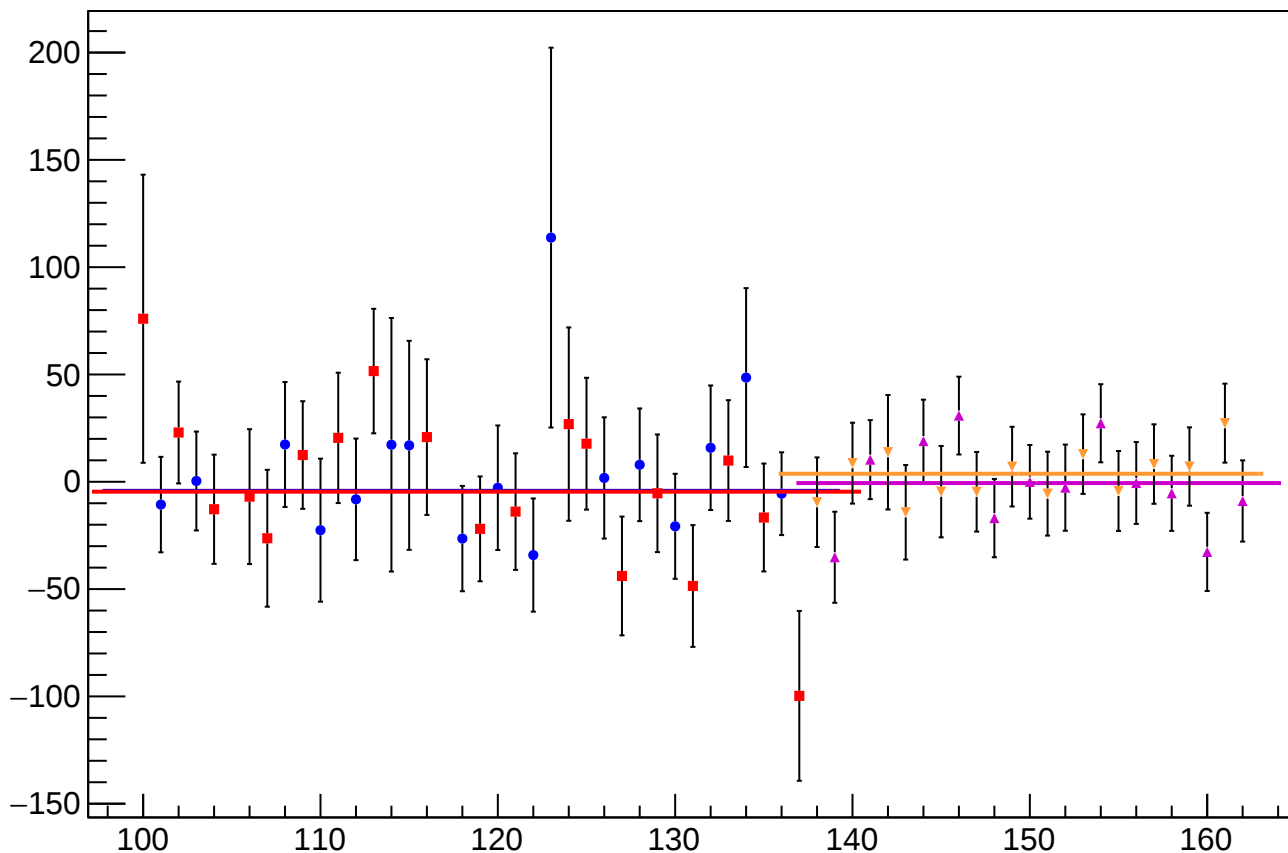
Left In: 176.247+/-0.043 χ^2/NDF : 1405024.8/11

+ sign 210.251+/-0.039 χ^2/NDF : 2108647.7/29

All: 189.514+/-0.025 χ^2/NDF : 5609569.8/60

- sign 174.746+/-0.033 χ^2/NDF : 3004646.6/30

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: 3.736 ± 5.434 χ^2/NDF : 4.1/12

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

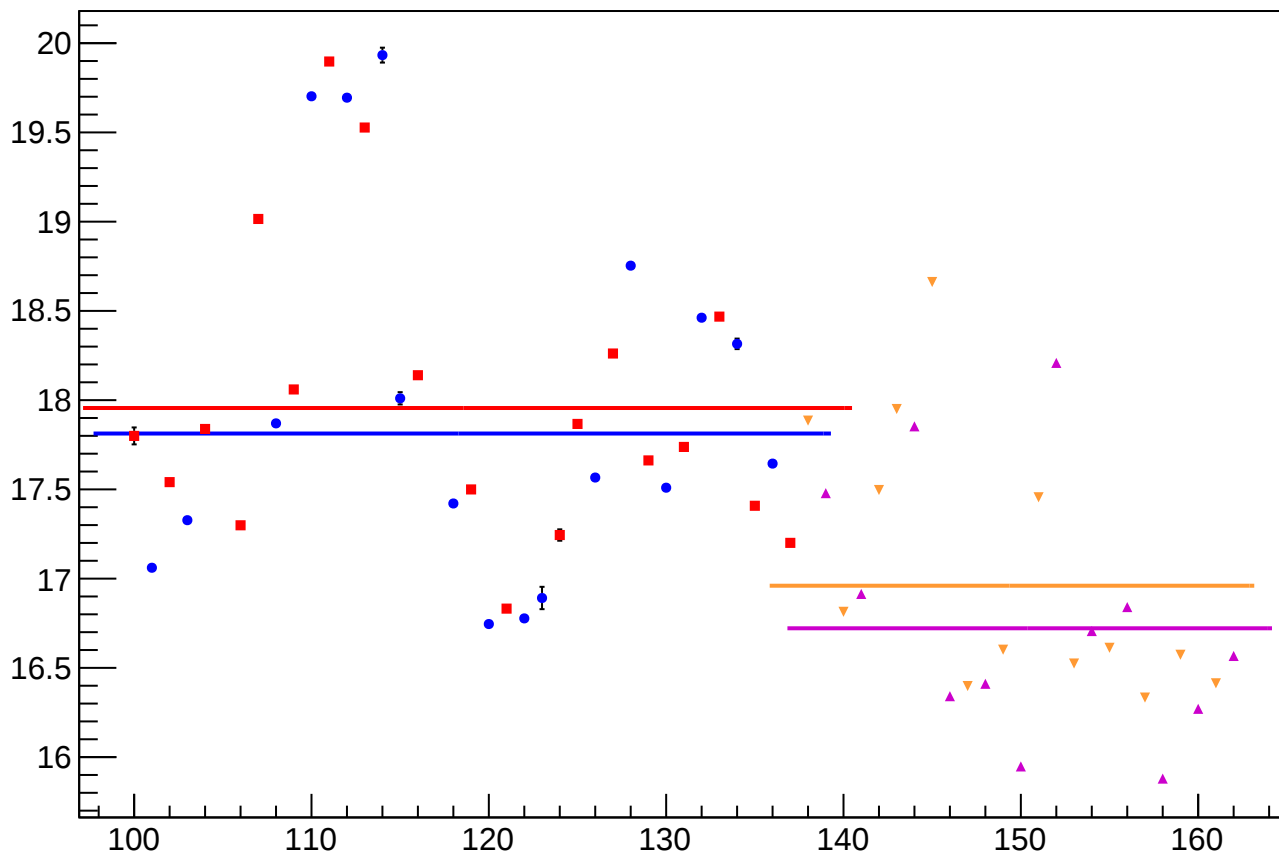
Left In: -0.601 ± 5.375 χ^2/NDF : 13.6/11

+ sign 0.674 ± 4.262 χ^2/NDF : 12.9/29

All: -0.764 ± 2.991 χ^2/NDF : 48.0/60

- sign -2.159 ± 4.199 χ^2/NDF : 34.9/30

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: 16.960 $\pm$ 0.004 χ^2 /NDF:32289.7/12

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25445.3/18

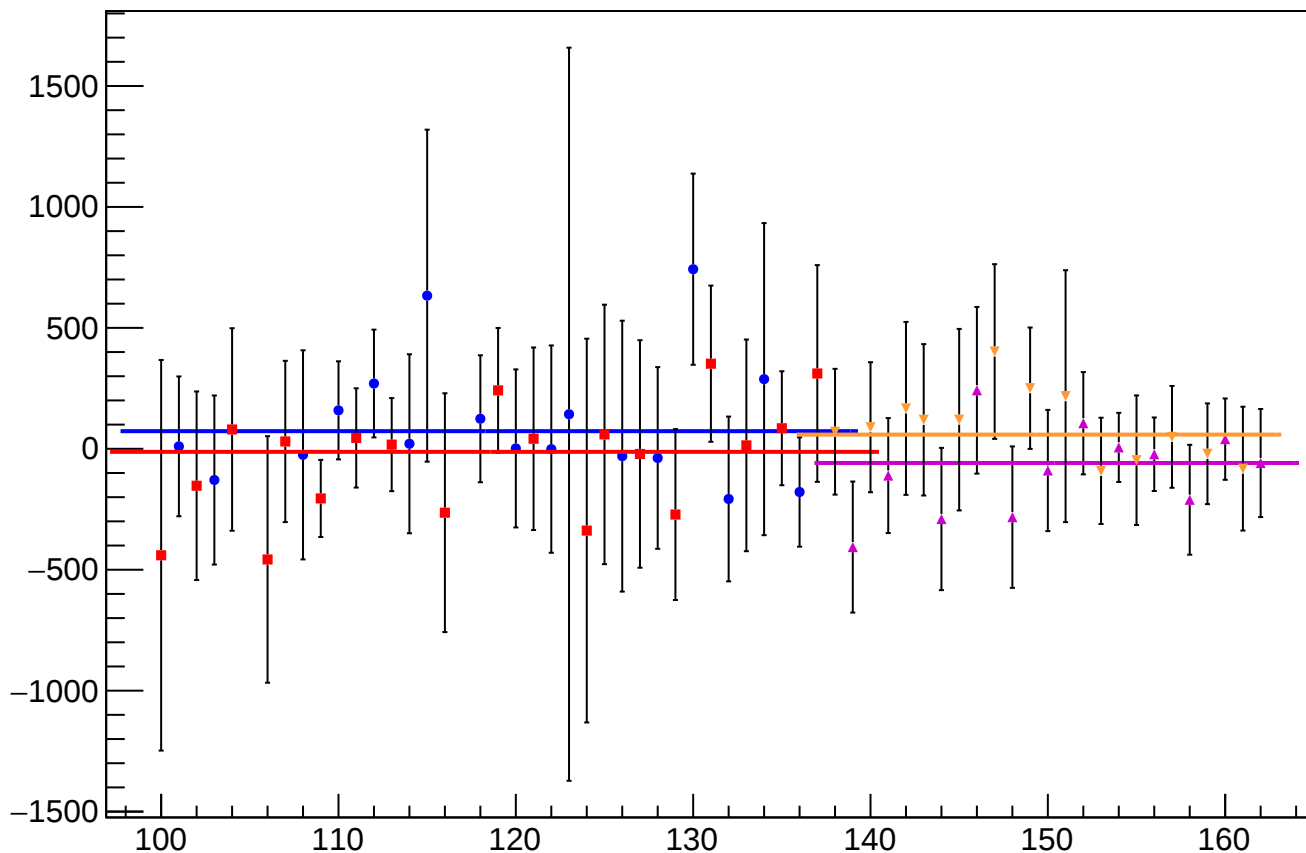
Left In: 16.722 $\pm$ 0.004 χ^2 /NDF:32206.1/11

+ sign 17.288 $\pm$ 0.003 χ^2 /NDF: 83273.6/29

All: 17.245 $\pm$ 0.002 χ^2 /NDF: 182436.2/60

- sign 17.203 $\pm$ 0.003 χ^2 /NDF: 98754.2/30

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: 58.757 $\pm$ 75.261 χ^2 /NDF: 2.8/12

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

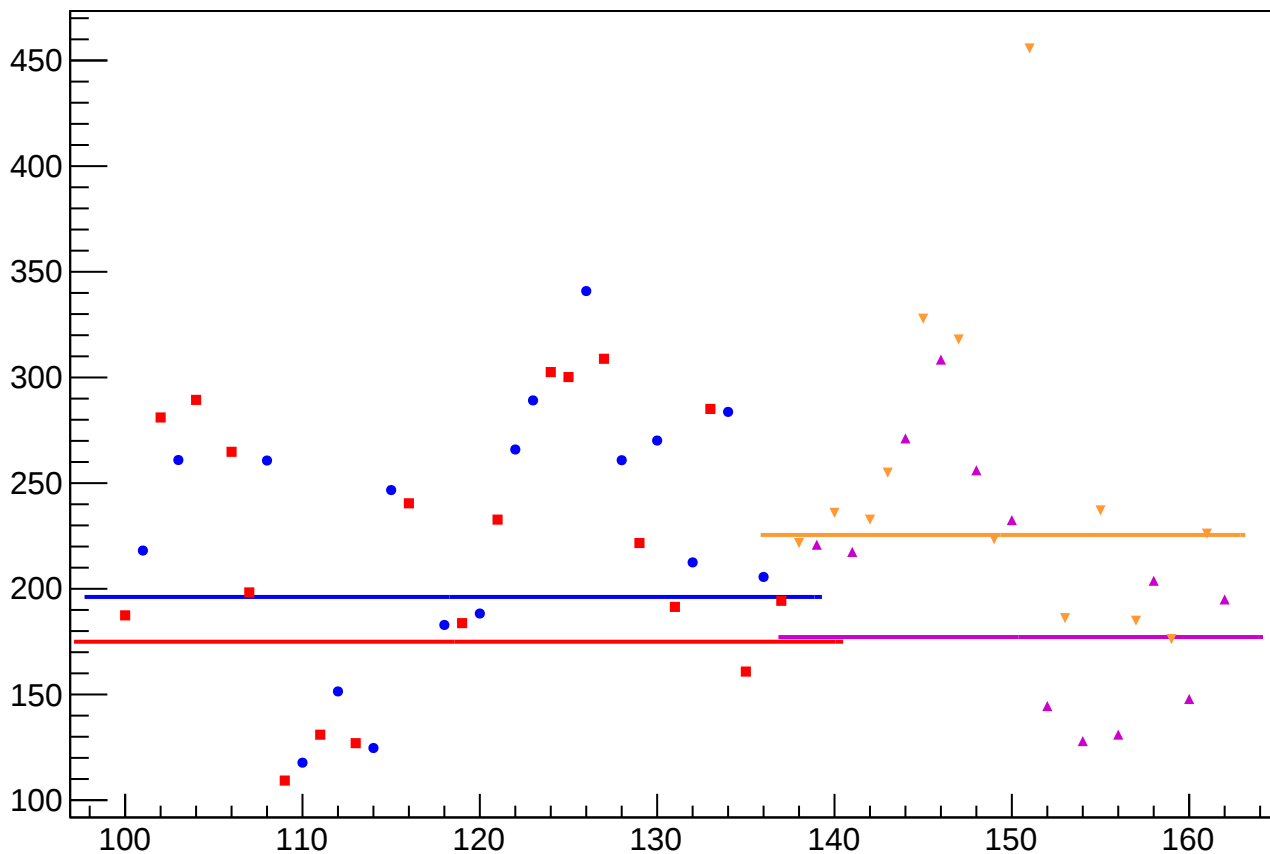
Left In: -58.576 $\pm$ 61.050 χ^2 /NDF: 5.3/11

+ sign 65.396 $\pm$ 54.800 χ^2 /NDF: 10.1/29

All: 4.464 $\pm$ 35.364 χ^2 /NDF: 24.5/60

- sign -39.022 $\pm$ 46.294 χ^2 /NDF: 12.3/30

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151 $\pm$ 0.057 χ^2 /NDF: 964998.4/16

Left Out: 225.495 $\pm$ 0.053 χ^2 /NDF: 947134.0/12

Right Out: 174.965 $\pm$ 0.050 χ^2 /NDF: 1510956.5/18

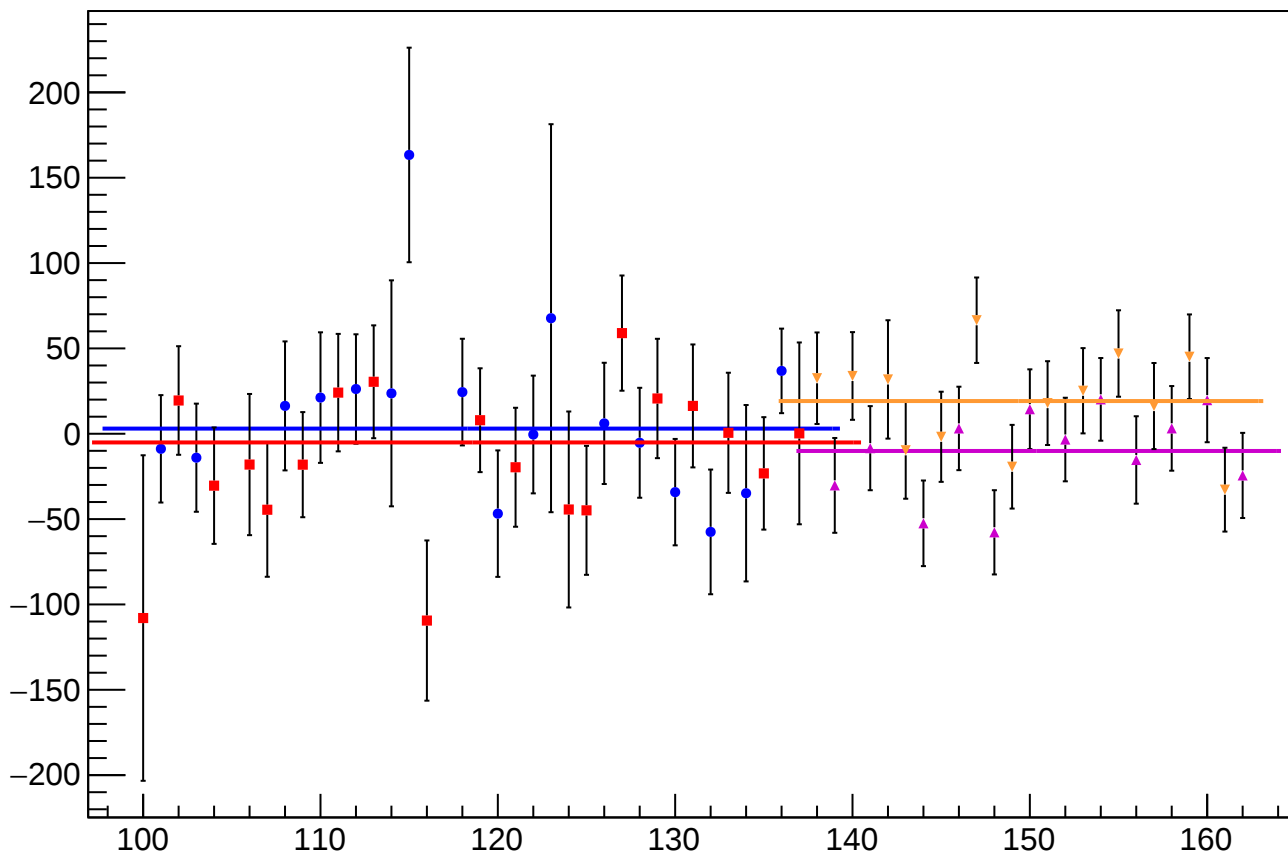
Left In: 177.185 $\pm$ 0.043 χ^2 /NDF: 1417705.1/11

+ sign 211.709 $\pm$ 0.039 χ^2 /NDF: 2054984.2/29

All: 191.012 $\pm$ 0.025 χ^2 /NDF: 5473651.4/60

- sign 176.241 $\pm$ 0.033 χ^2 /NDF: 2929785.5/30

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 ± 8.751 χ^2/NDF : 17.2/16

Left Out: 19.155 ± 7.188 χ^2/NDF : 15.3/12

Right Out: -5.092 ± 8.477 χ^2/NDF : 17.2/18

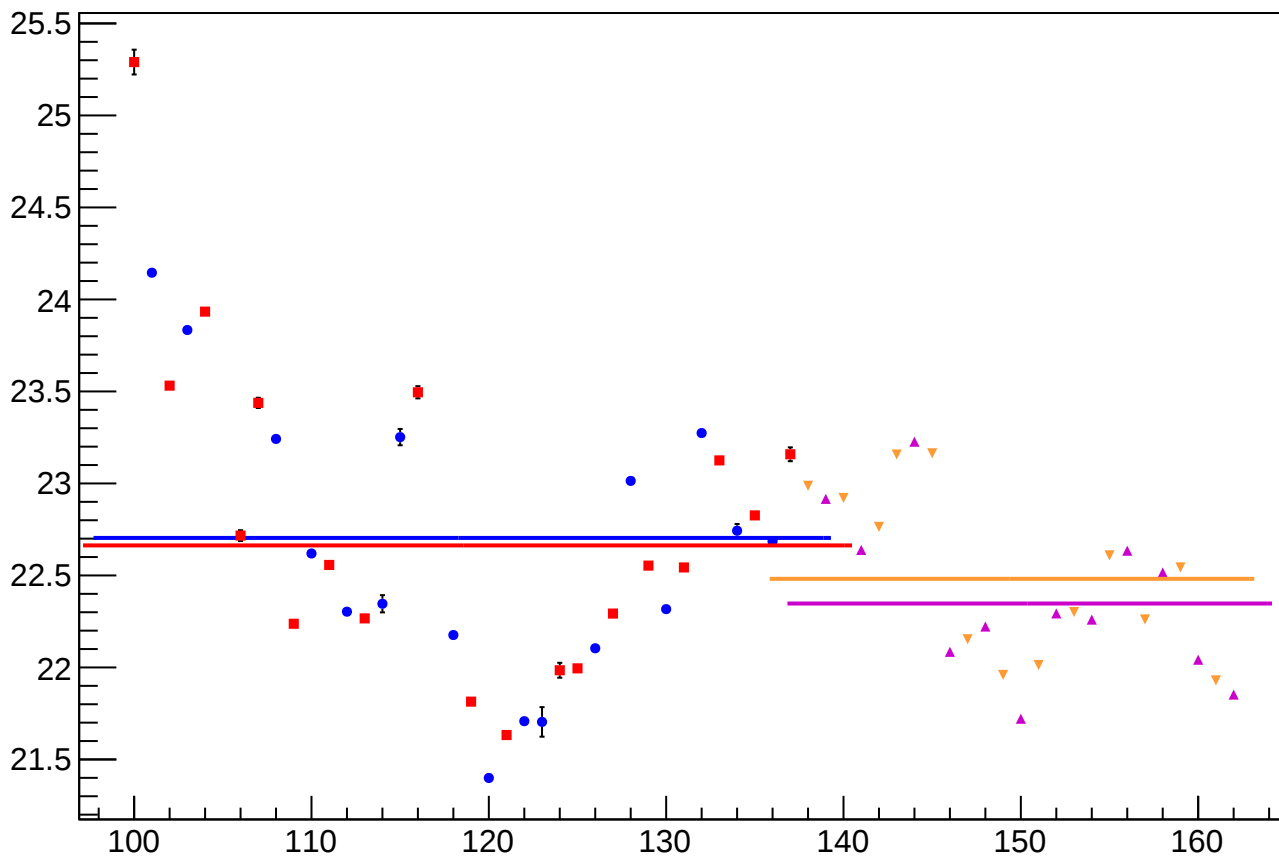
Left In: -10.088 ± 7.169 χ^2/NDF : 12.3/11

+ sign 12.655 ± 5.555 χ^2/NDF : 34.5/29

All: 2.174 ± 3.899 χ^2/NDF : 71.1/60

- sign -8.005 ± 5.474 χ^2/NDF : 29.6/30

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: 22.482 $\pm$ 0.005 χ^2 /NDF: 7206.1/12

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

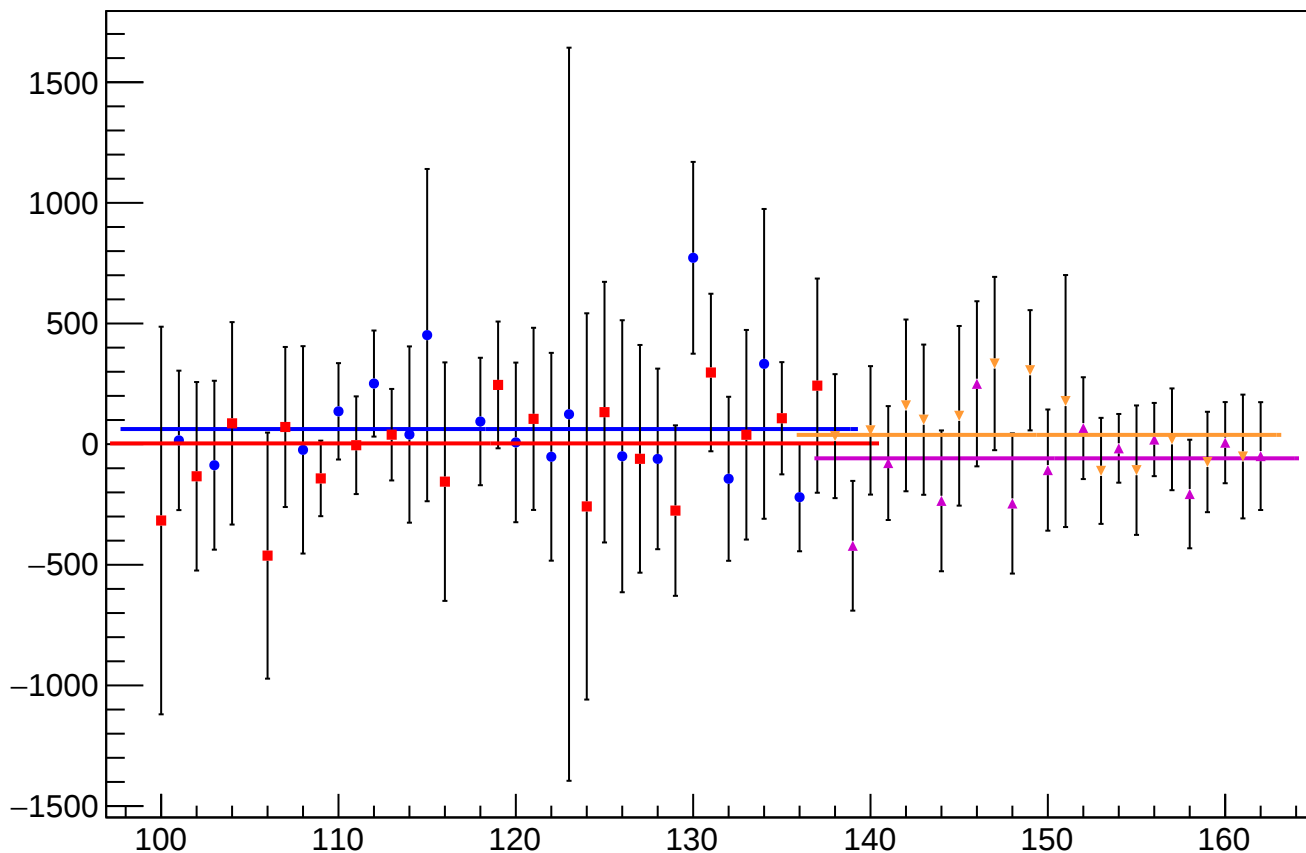
Left In: 22.347 $\pm$ 0.005 χ^2 /NDF: 6770.0/11

+ sign 22.571 $\pm$ 0.004 χ^2 /NDF: 22082.6/29

All: 22.524 $\pm$ 0.003 χ^2 /NDF: 43692.9/60

- sign 22.479 $\pm$ 0.004 χ^2 /NDF: 21331.4/30

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: 38.385 $\pm$ 75.036 χ^2/NDF : 3.3/12

Right Out: 3.038 $\pm$ 70.518 χ^2/NDF : 5.2/18

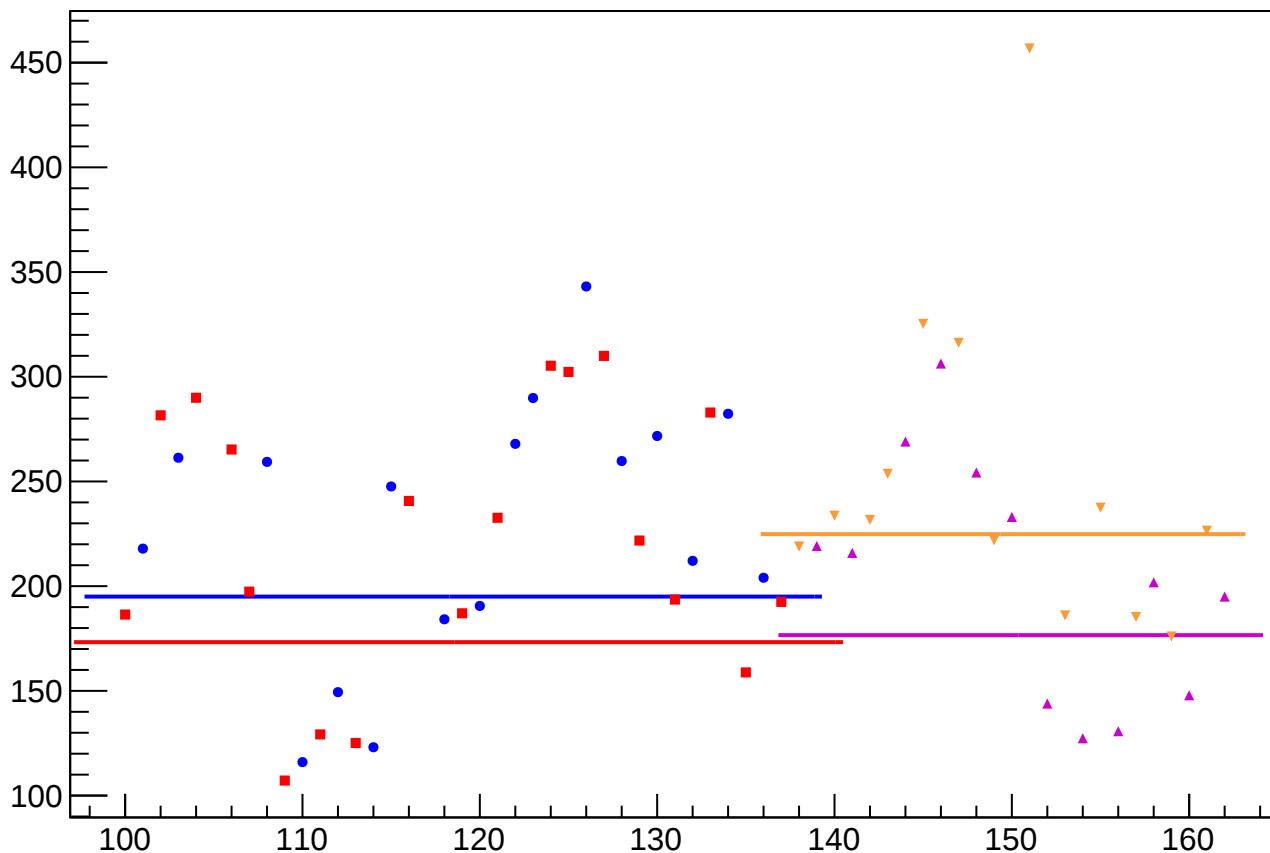
Left In: -58.763 $\pm$ 60.846 χ^2/NDF : 4.7/11

+ sign 49.765 $\pm$ 54.602 χ^2/NDF : 10.4/29

All: 1.774 $\pm$ 35.210 χ^2/NDF : 22.1/60

- sign -32.388 $\pm$ 46.068 χ^2/NDF : 10.4/30

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: 224.845 $\pm$ 0.053 χ^2 /NDF:938360.9/12

Right Out: 173.262 $\pm$ 0.050 χ^2 /NDF: 1578202.7/18

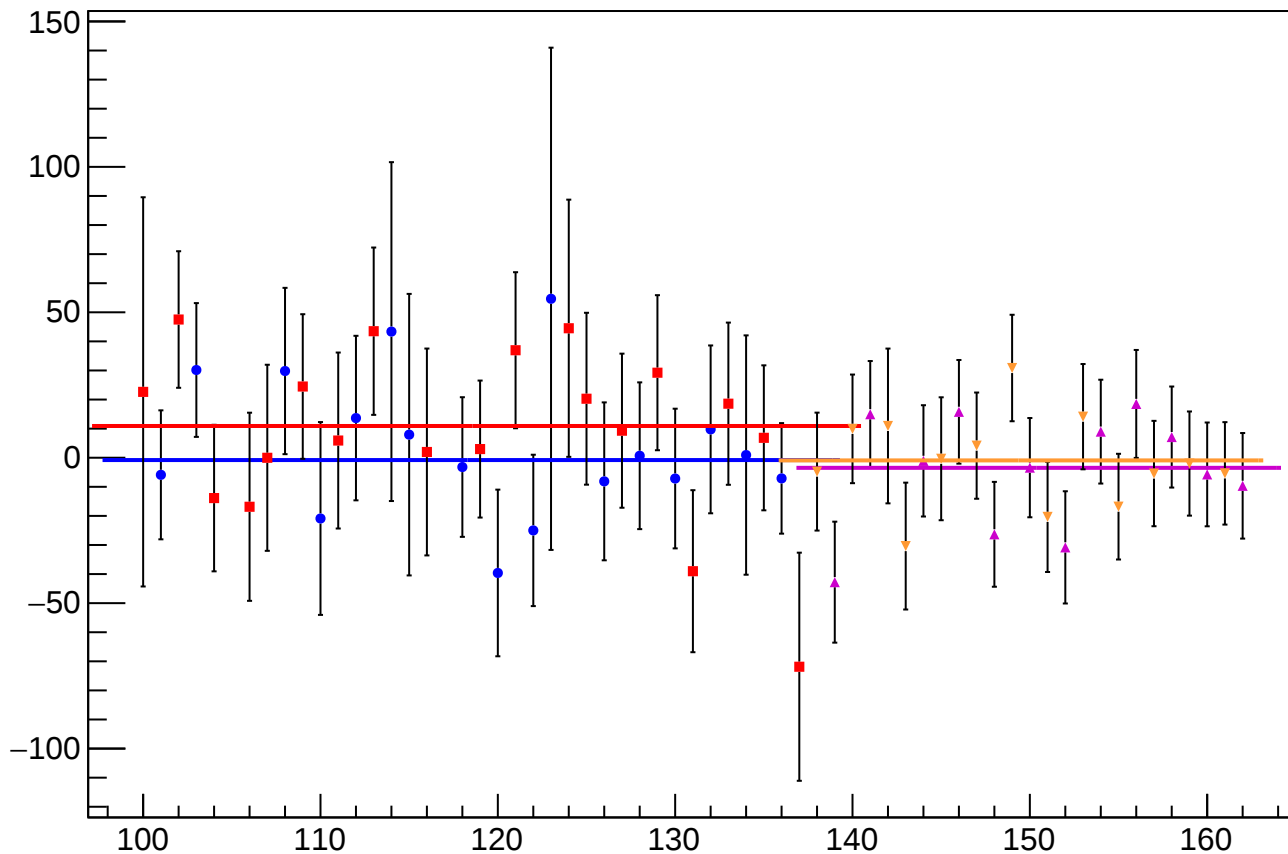
Left In: 176.607 $\pm$ 0.043 χ^2 /NDF:1404404.1/11

+ sign 210.814 $\pm$ 0.039 χ^2 /NDF: 2091285.5/29

All: 189.997 $\pm$ 0.025 χ^2 /NDF: 5574077.1/60

- sign 175.179 $\pm$ 0.033 χ^2 /NDF: 2985187.3/30

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: -0.921 ± 5.323 χ^2/NDF : 8.1/12

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

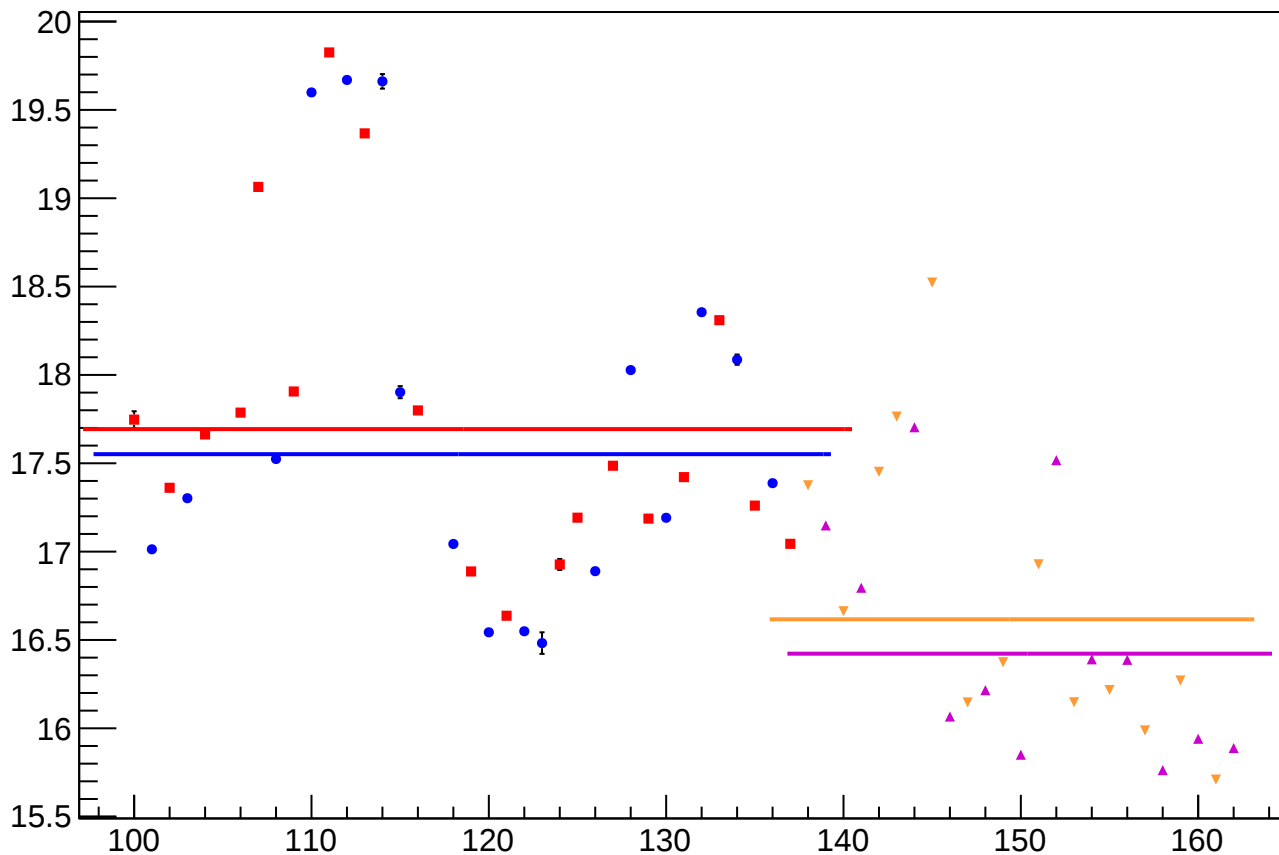
Left In: -3.475 ± 5.276 χ^2/NDF : 11.8/11

+ sign -0.875 ± 4.184 χ^2/NDF : 15.9/29

All: 0.636 ± 2.939 χ^2/NDF : 46.7/60

- sign 2.107 ± 4.128 χ^2/NDF : 30.6/30

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 $\pm$ 0.005 χ^2 /NDF: 34027.1/16

Left Out: 16.617 $\pm$ 0.004 χ^2 /NDF:39584.2/12

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30742.0/18

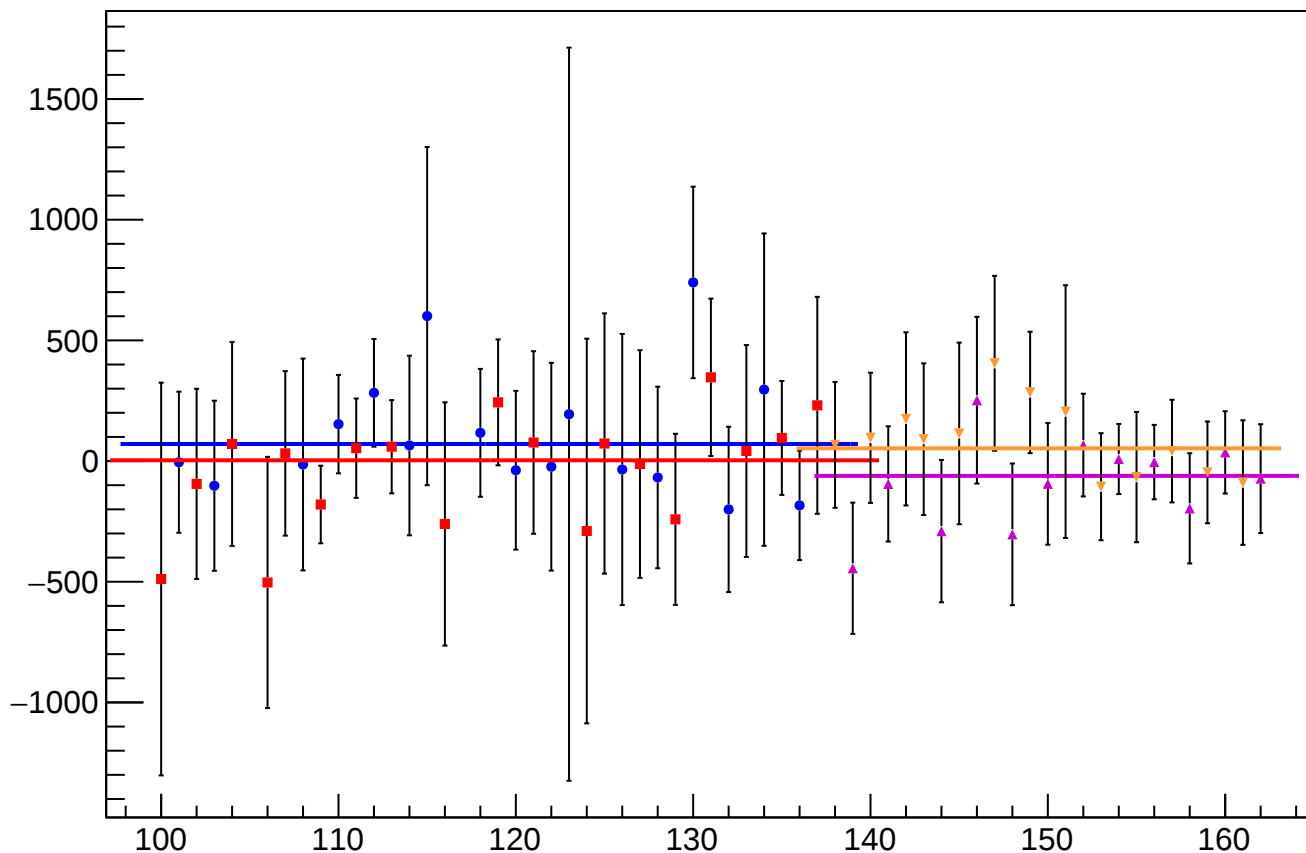
Left In: 16.422 $\pm$ 0.004 χ^2 /NDF:28074.7/11

+ sign 16.974 $\pm$ 0.003 χ^2 /NDF: 97168.3/29

All: 16.944 $\pm$ 0.002 χ^2 /NDF: 201211.6/60

- sign 16.916 $\pm$ 0.003 χ^2 /NDF: 103846.3/30

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: 52.688 $\pm$ 75.772 χ^2 /NDF: 3.3/12

Right Out: 3.063 $\pm$ 71.508 χ^2 /NDF: 6.2/18

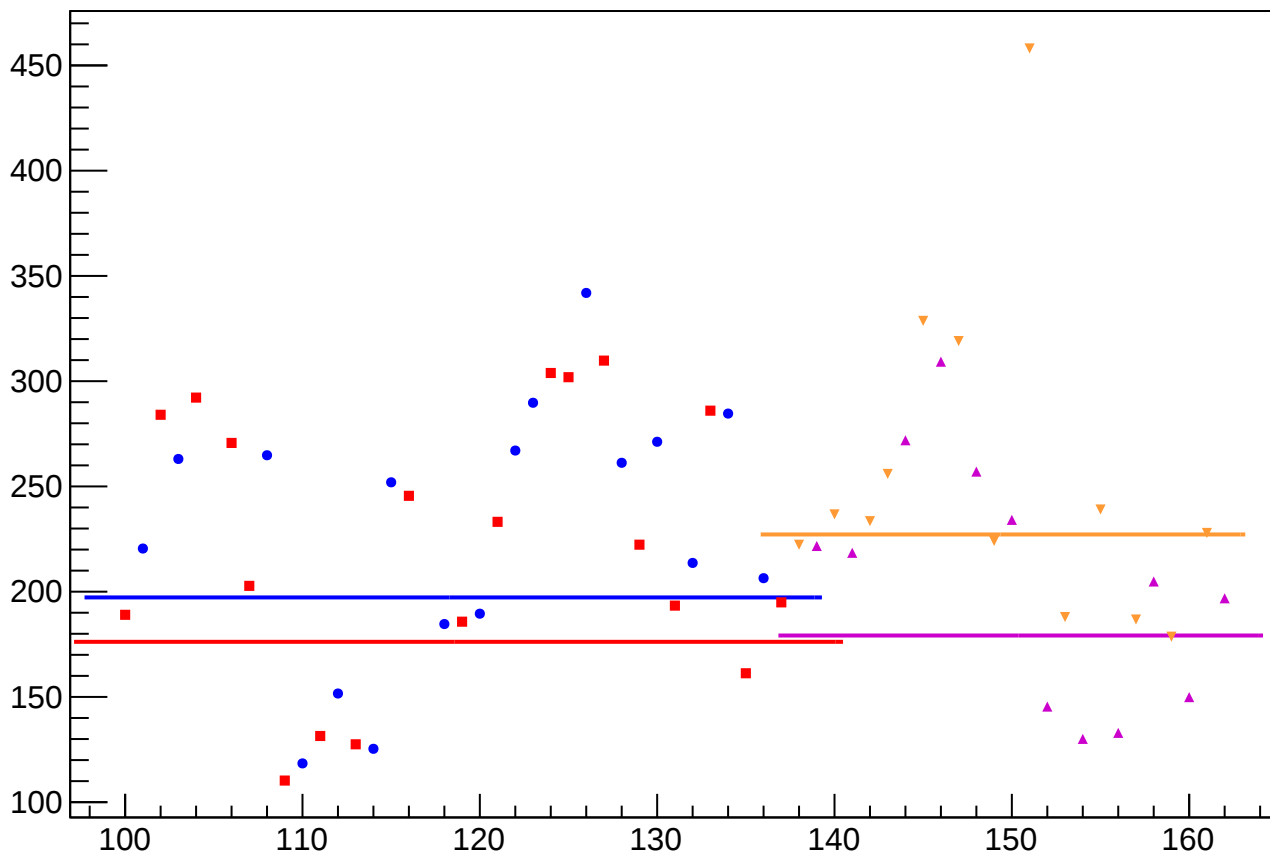
Left In: -61.356 $\pm$ 61.652 χ^2 /NDF: 5.5/11

+ sign 61.129 $\pm$ 55.145 χ^2 /NDF: 10.5/29

All: 5.788 $\pm$ 35.635 χ^2 /NDF: 24.4/60

- sign -33.888 $\pm$ 46.693 χ^2 /NDF: 12.2/30

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: 227.184 $\pm$ 0.054 χ^2 /NDF: 928696.1/12

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

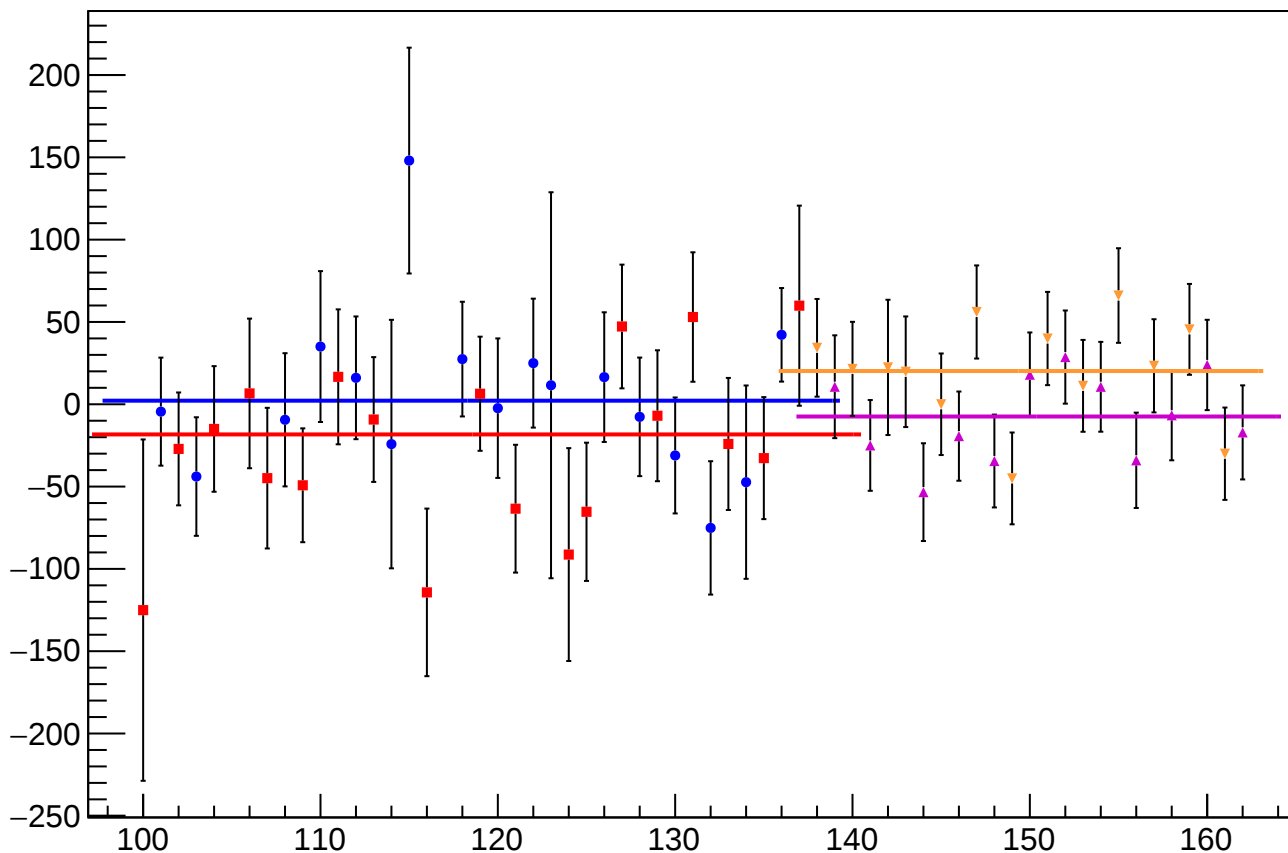
Left In: 179.179 $\pm$ 0.044 χ^2 /NDF: 1375563.6/11

+ sign 213.115 $\pm$ 0.039 χ^2 /NDF: 2044842.9/29

All: 192.605 $\pm$ 0.025 χ^2 /NDF: 5417125.1/60

- sign 177.901 $\pm$ 0.033 χ^2 /NDF: 2897288.5/30

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: 20.204 $\pm$ 8.166 χ^2/NDF : 14.9/12

Right Out: -18.320 $\pm$ 9.497 χ^2/NDF : 19.6/18

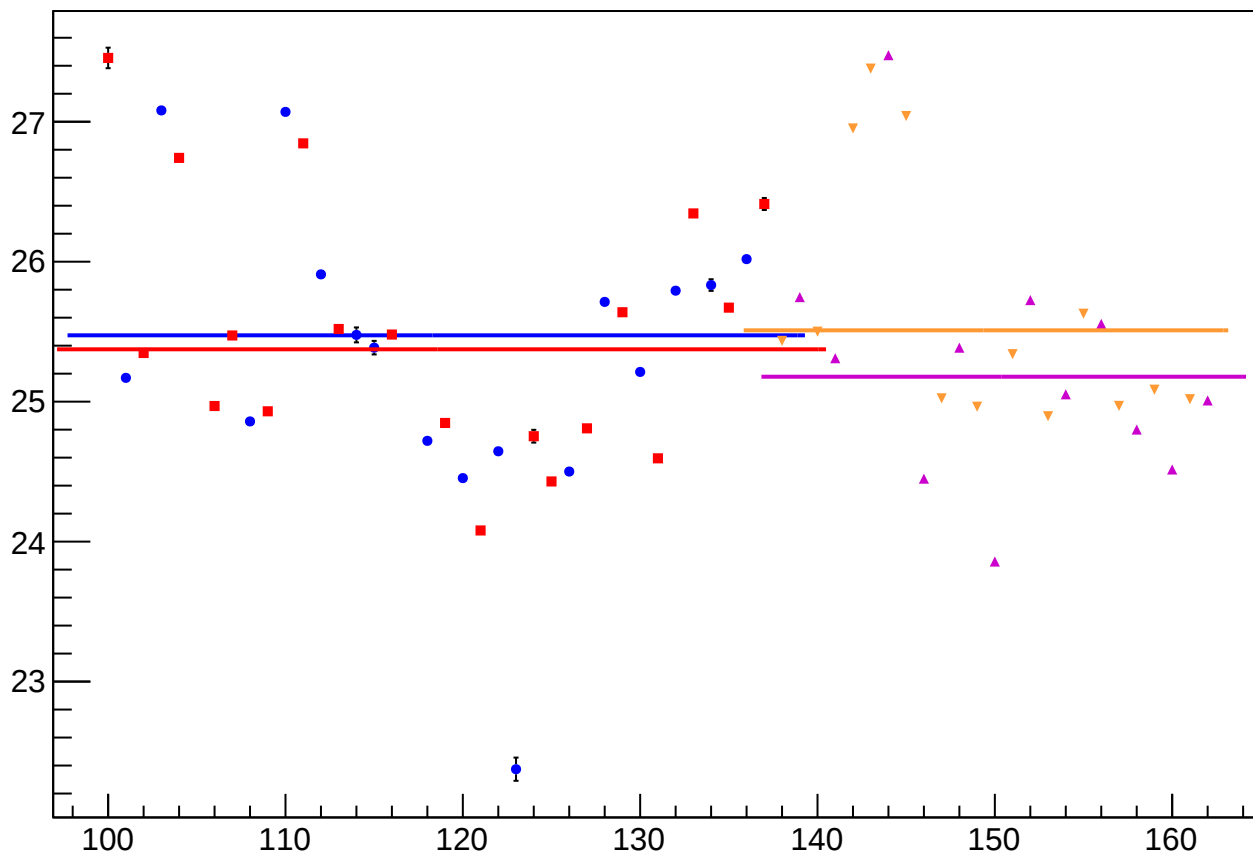
Left In: -7.439 $\pm$ 8.087 χ^2/NDF : 9.6/11

+ sign 12.840 $\pm$ 6.280 χ^2/NDF : 32.3/29

All: 0.169 $\pm$ 4.397 χ^2/NDF : 70.2/60

- sign -12.013 $\pm$ 6.157 χ^2/NDF : 29.9/30

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474+/-0.007 χ^2/NDF : 14061.2/16

Left Out: 25.510+/-0.006 χ^2/NDF : 17846.5/12

Right Out: 25.374+/-0.007 χ^2/NDF : 13581.2/18

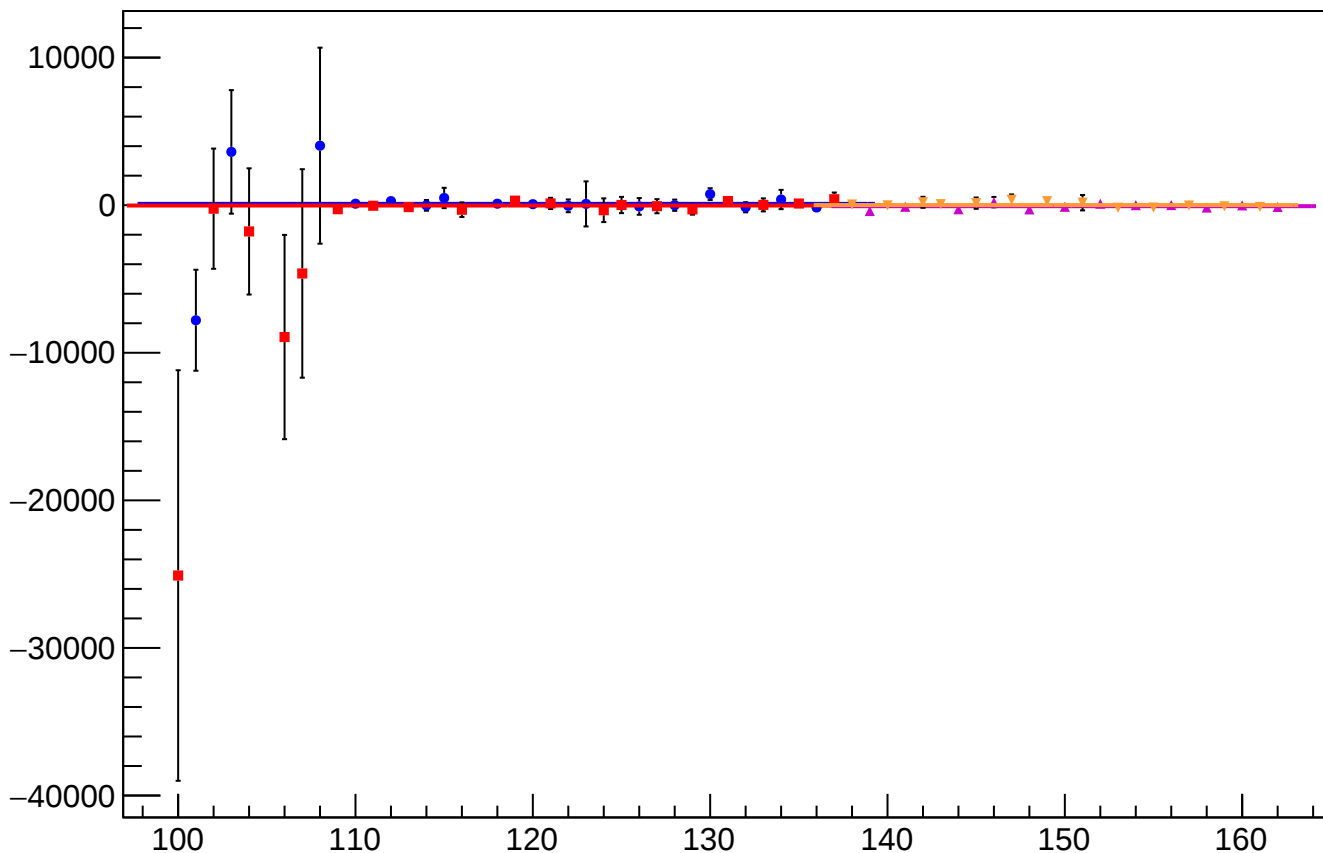
Left In: 25.178+/-0.006 χ^2/NDF : 22274.8/11

+ sign 25.495+/-0.004 χ^2/NDF : 31923.3/29

All: 25.375+/-0.003 χ^2/NDF : 69695.2/60

- sign 25.260+/-0.004 χ^2/NDF : 36349.1/30

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: 9.062+/-77.178 χ^2/NDF : 3.9/12

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

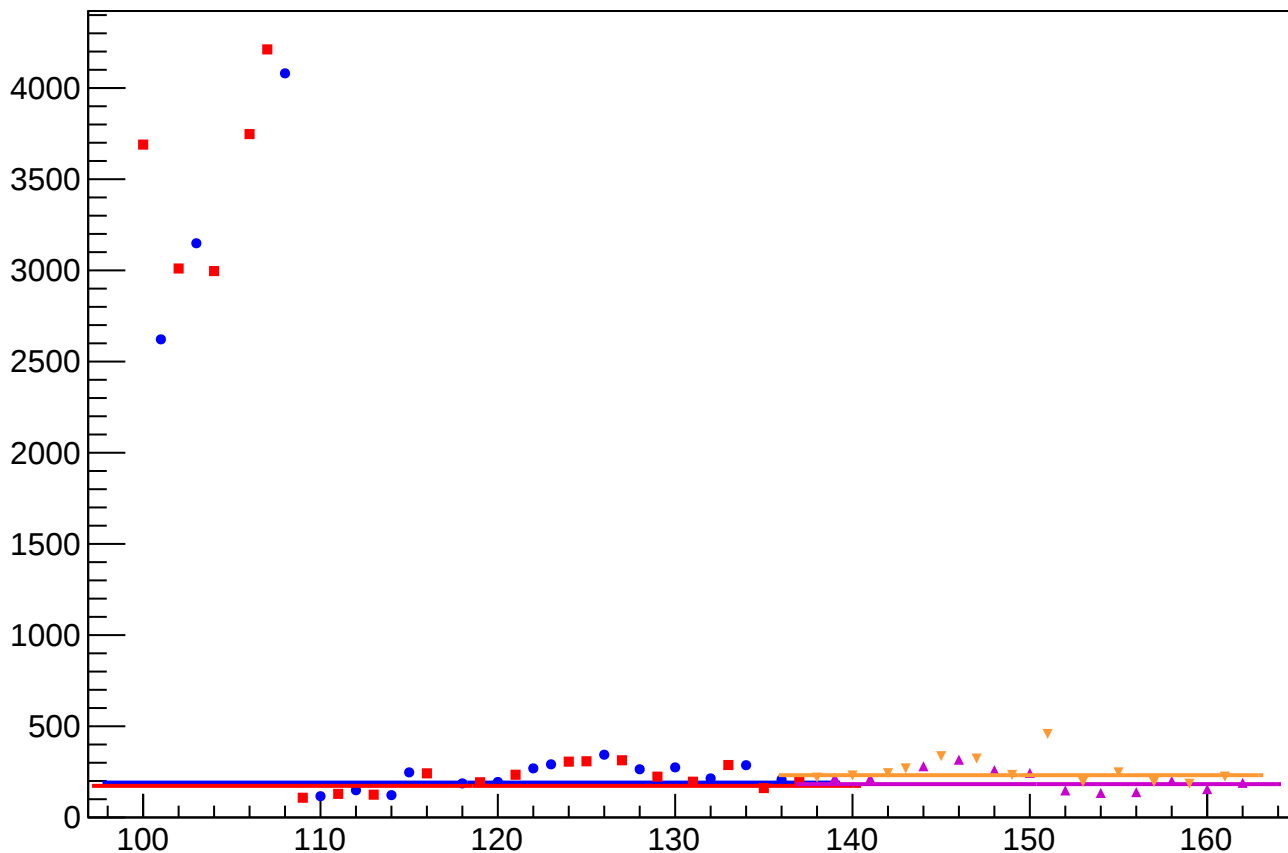
Left In: -67.420+/-62.688 χ^2/NDF : 4.5/11

+ sign 44.252+/-57.918 χ^2/NDF : 16.7/29

All: -10.518+/-37.653 χ^2/NDF : 34.8/60

- sign -50.610+/-49.553 χ^2/NDF : 16.6/30

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.190 $\pm$ 0.062 χ^2 /NDF: 3571747.5/16

Left Out: 231.803 $\pm$ 0.055 χ^2 /NDF: 893368.8/12

Right Out: 173.269 $\pm$ 0.057 χ^2 /NDF: 4207191.5/18

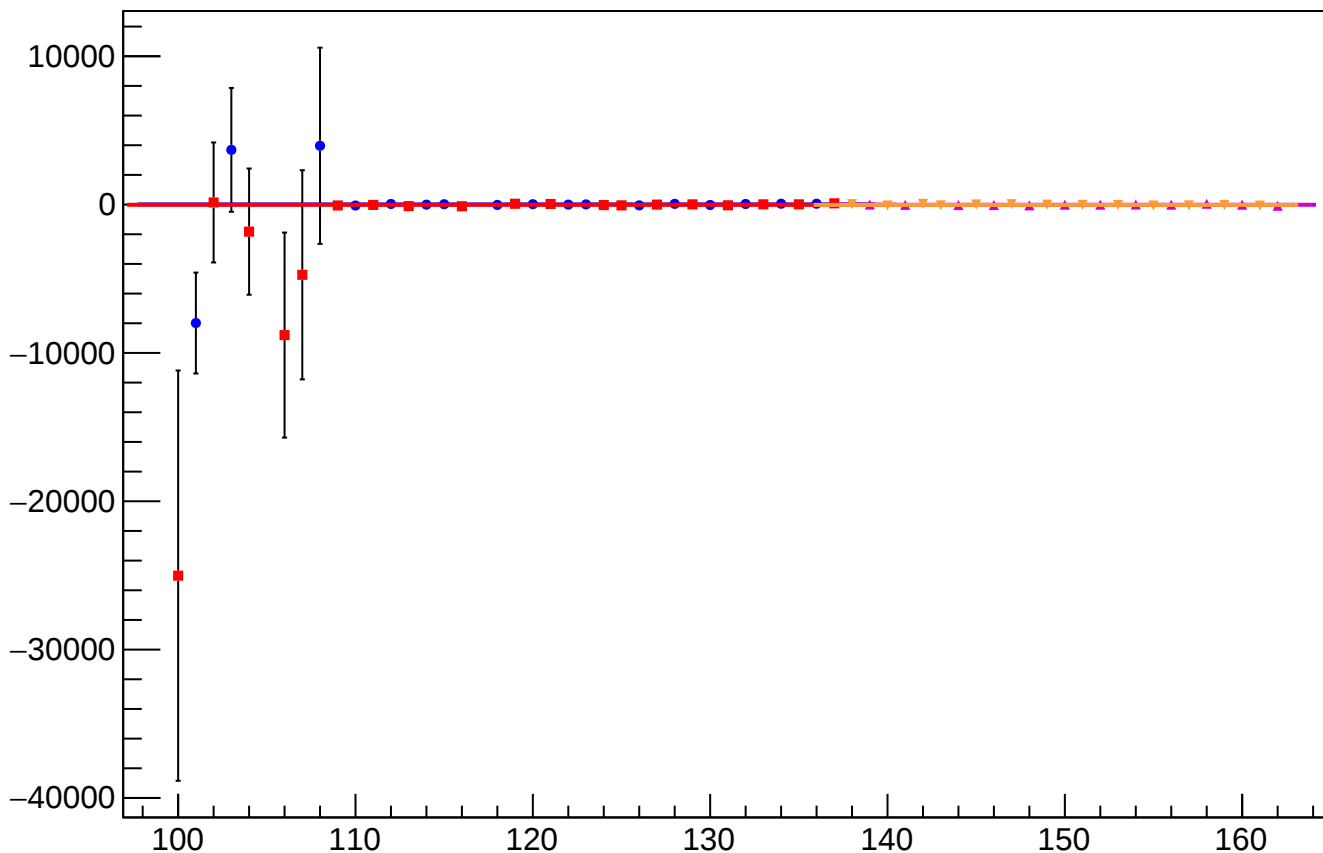
Left In: 182.789 $\pm$ 0.044 χ^2 /NDF: 1279944.0/11

+ sign 214.062 $\pm$ 0.041 χ^2 /NDF: 4707047.6/29

All: 193.944 $\pm$ 0.027 χ^2 /NDF: 10629437.1/60

- sign 179.218 $\pm$ 0.035 χ^2 /NDF: 5504441.0/30

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.398+/-12.190 χ^2/NDF : 18.3/16

Left Out: -24.079+/-9.522 χ^2/NDF : 14.3/12

Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

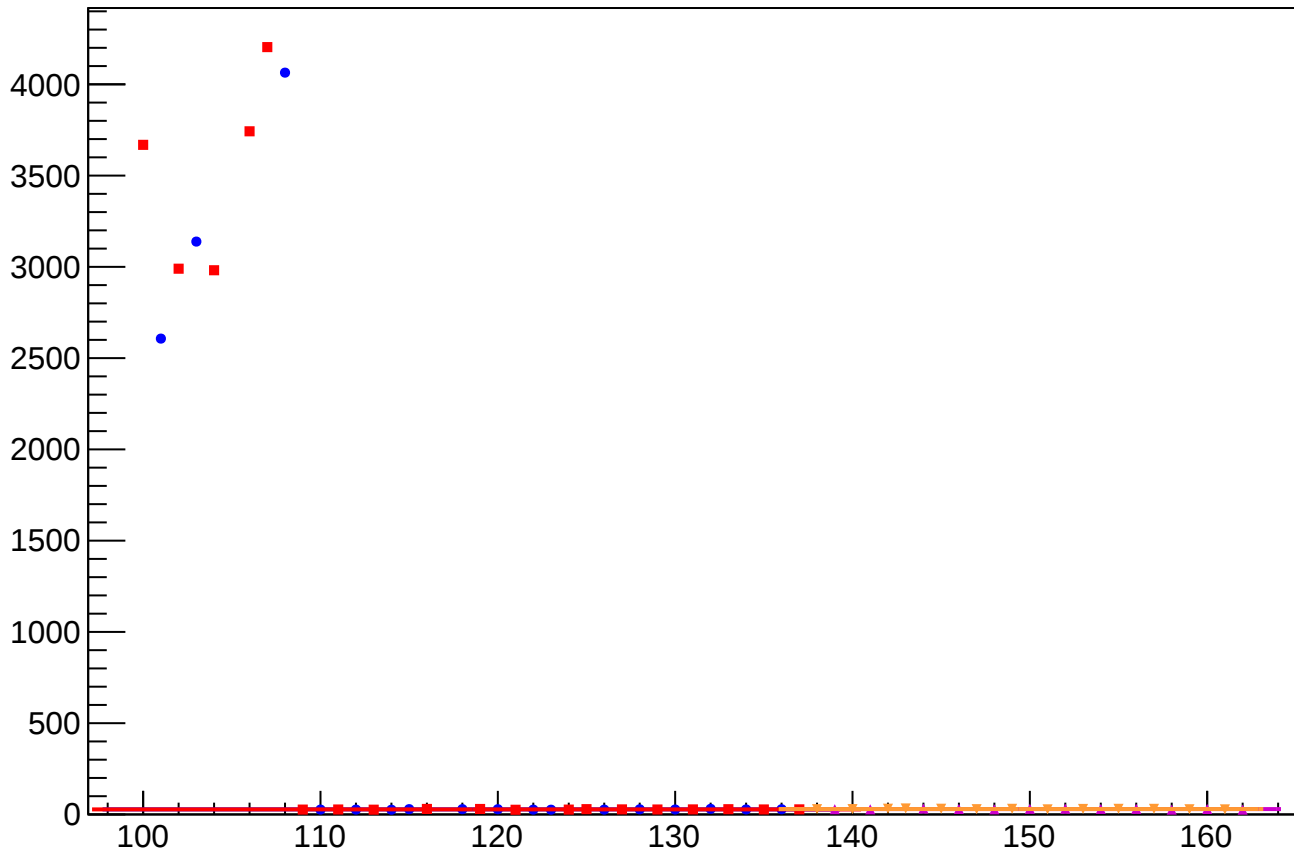
Left In: -13.414+/-9.467 χ^2/NDF : 13.8/11

+ sign -11.014+/-7.504 χ^2/NDF : 37.5/29

All: -12.129+/-5.300 χ^2/NDF : 75.8/60

- sign -13.239+/-7.485 χ^2/NDF : 38.2/30

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837+/-0.009 χ^2/NDF : 3026887.2/16

Left Out: 29.700+/-0.007 χ^2/NDF : 44526.3/12

Right Out: 27.694+/-0.009 χ^2/NDF : 3476801.0/18

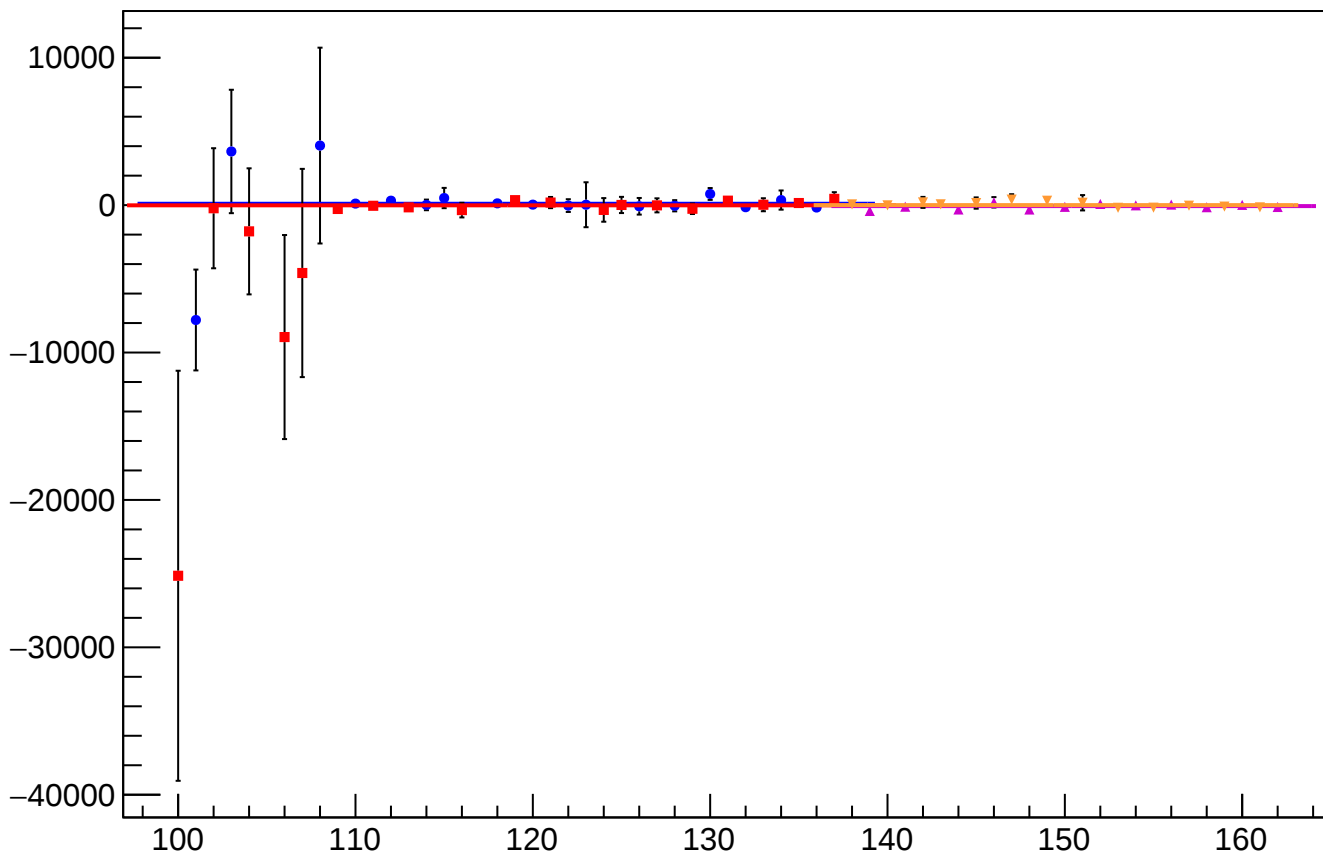
Left In: 29.396+/-0.007 χ^2/NDF : 79155.8/11

+ sign 28.994+/-0.005 χ^2/NDF : 3100446.3/29

All: 28.876+/-0.004 χ^2/NDF : 6681613.8/60

- sign 28.758+/-0.005 χ^2/NDF : 3580175.6/30

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: 1.060 $\pm$ 77.006 χ^2 /NDF: 4.5/12

Right Out: -12.772 $\pm$ 80.640 χ^2 /NDF: 12.7/18

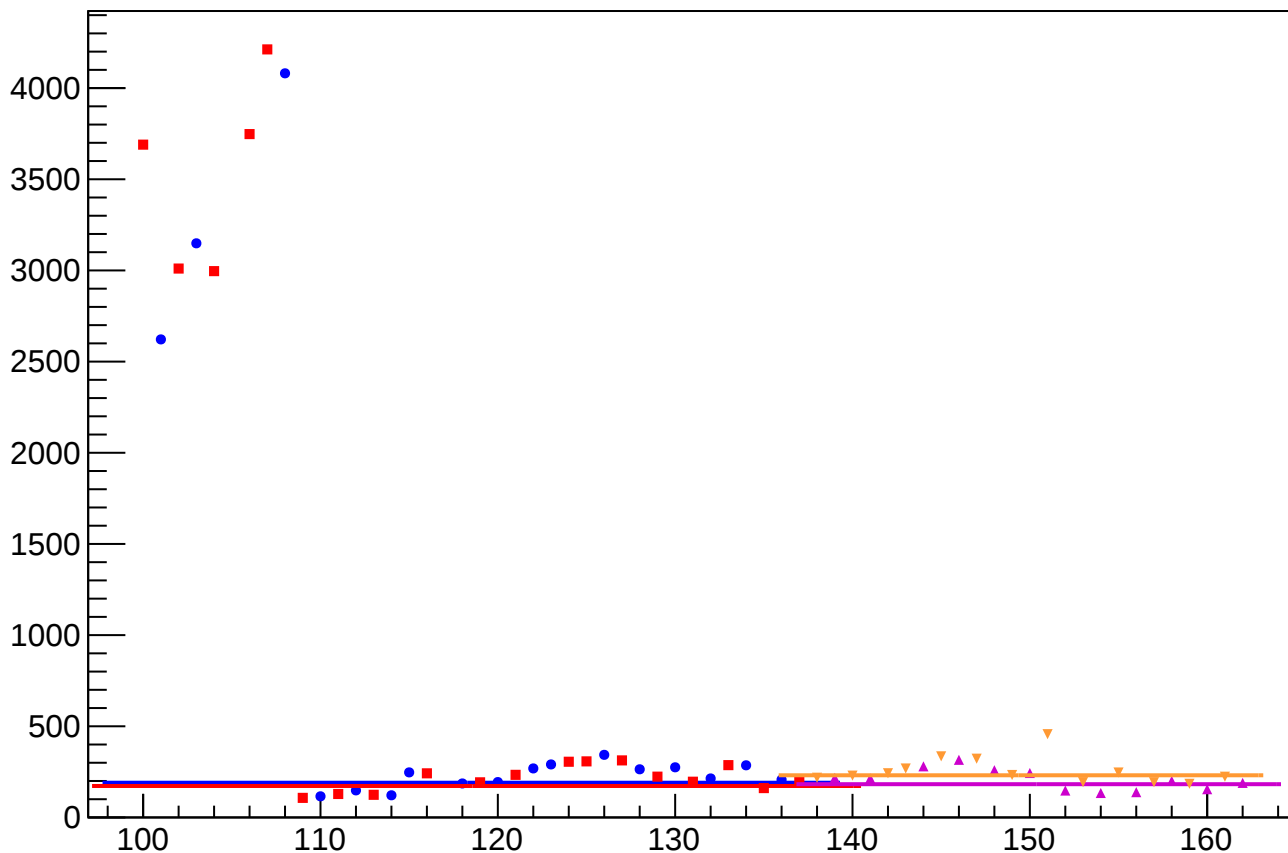
Left In: -65.088 $\pm$ 62.566 χ^2 /NDF: 4.7/11

+ sign 41.192 $\pm$ 57.767 χ^2 /NDF: 17.7/29

All: -8.813 $\pm$ 37.558 χ^2 /NDF: 36.7/60

- sign -45.429 $\pm$ 49.432 χ^2 /NDF: 17.6/30

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: 231.290+/-0.054 χ^2/NDF : 893371.0/12

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

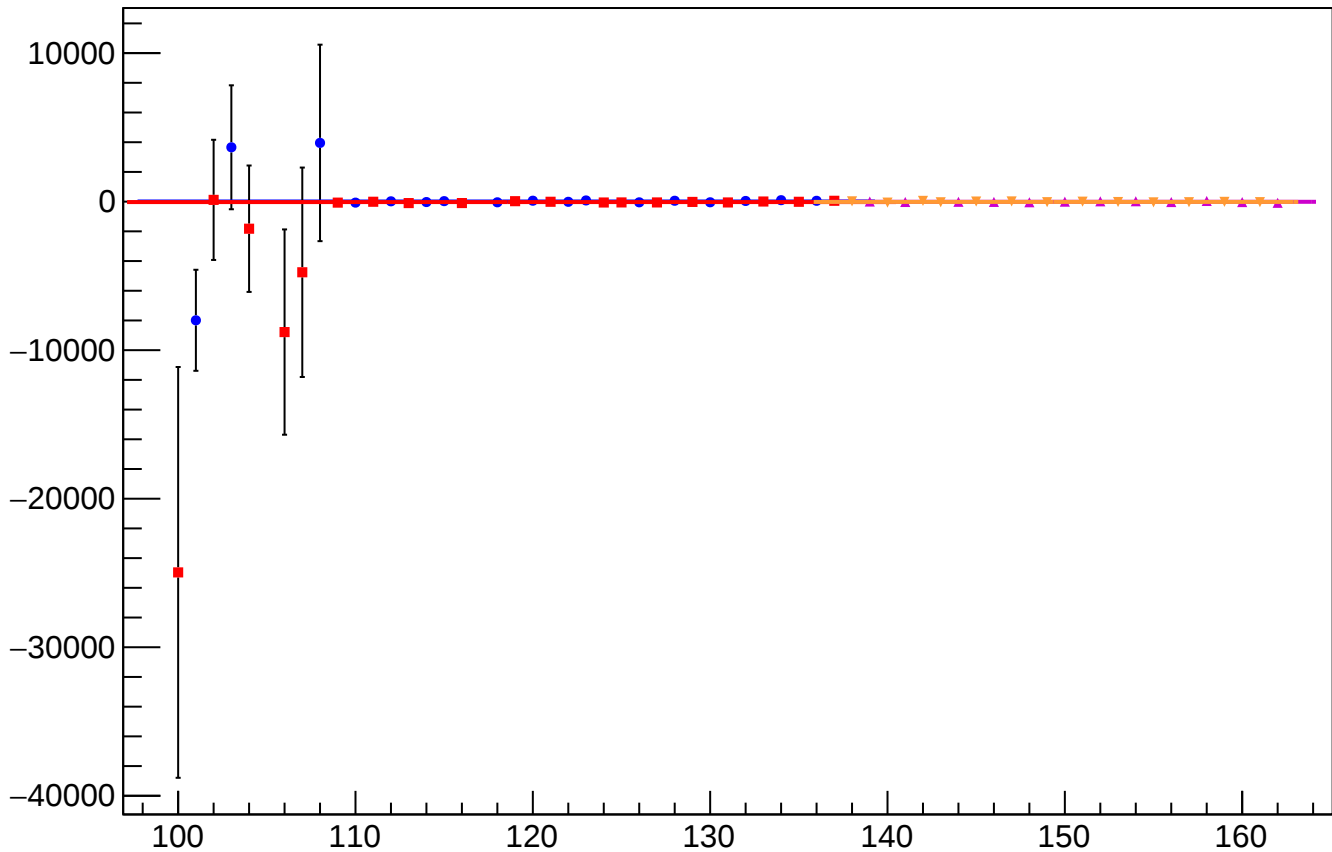
Left In: 182.434+/-0.044 χ^2/NDF : 1280208.3/11

+ sign 213.448+/-0.041 χ^2/NDF : 4722497.7/29

All: 193.411+/-0.027 χ^2/NDF : 10656454.7/60

- sign 178.739+/-0.035 χ^2/NDF : 5517153.6/30

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: -18.732 $\pm$ 9.601 χ^2 /NDF: 9.1/12

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

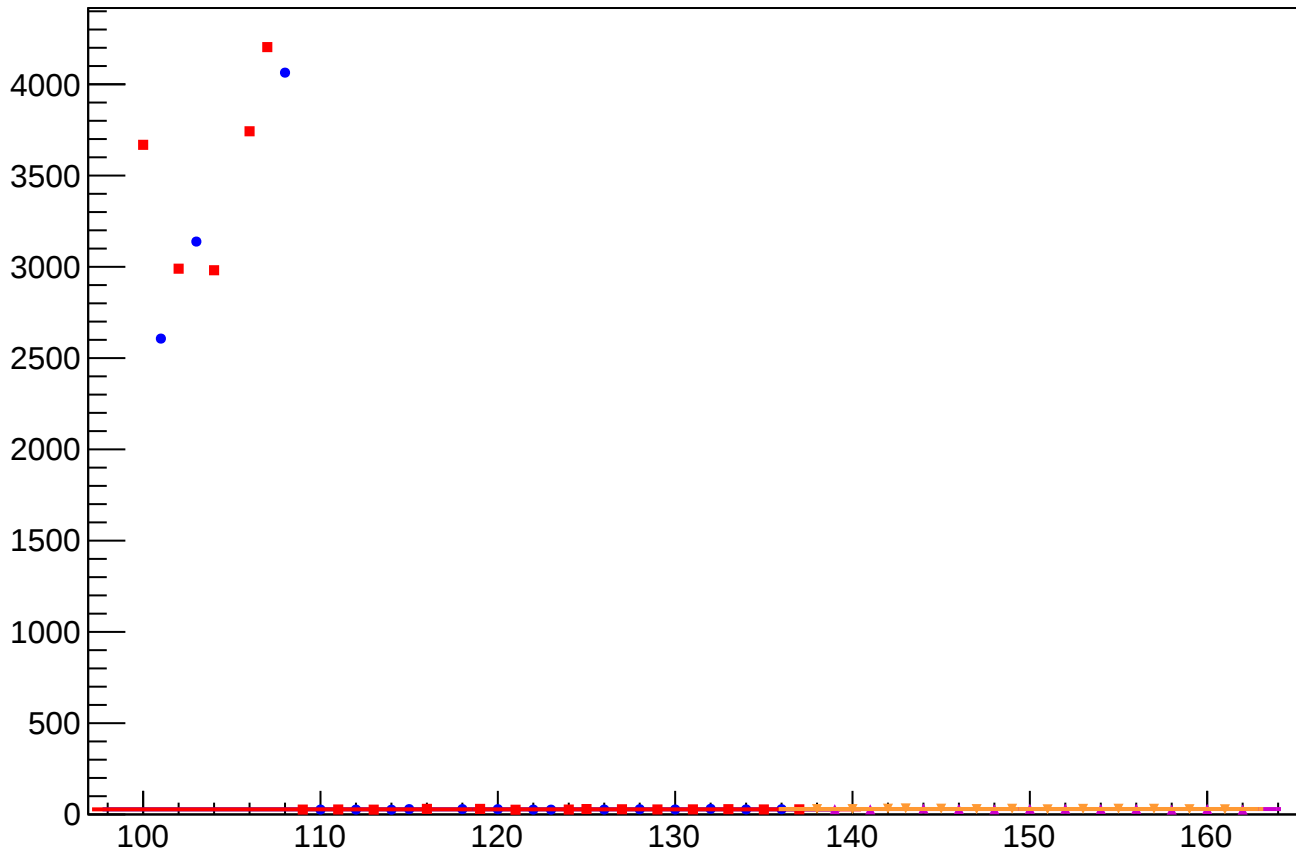
Left In: -10.939 $\pm$ 9.528 χ^2 /NDF: 12.6/11

+ sign -7.976 $\pm$ 7.562 χ^2 /NDF: 35.6/29

All: -12.967 $\pm$ 5.339 χ^2 /NDF: 67.0/60

- sign -17.927 $\pm$ 7.539 χ^2 /NDF: 30.6/30

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.023+/-0.009 χ^2/NDF : 3027003.0/16

Left Out: 29.945+/-0.007 χ^2/NDF : 45411.3/12

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

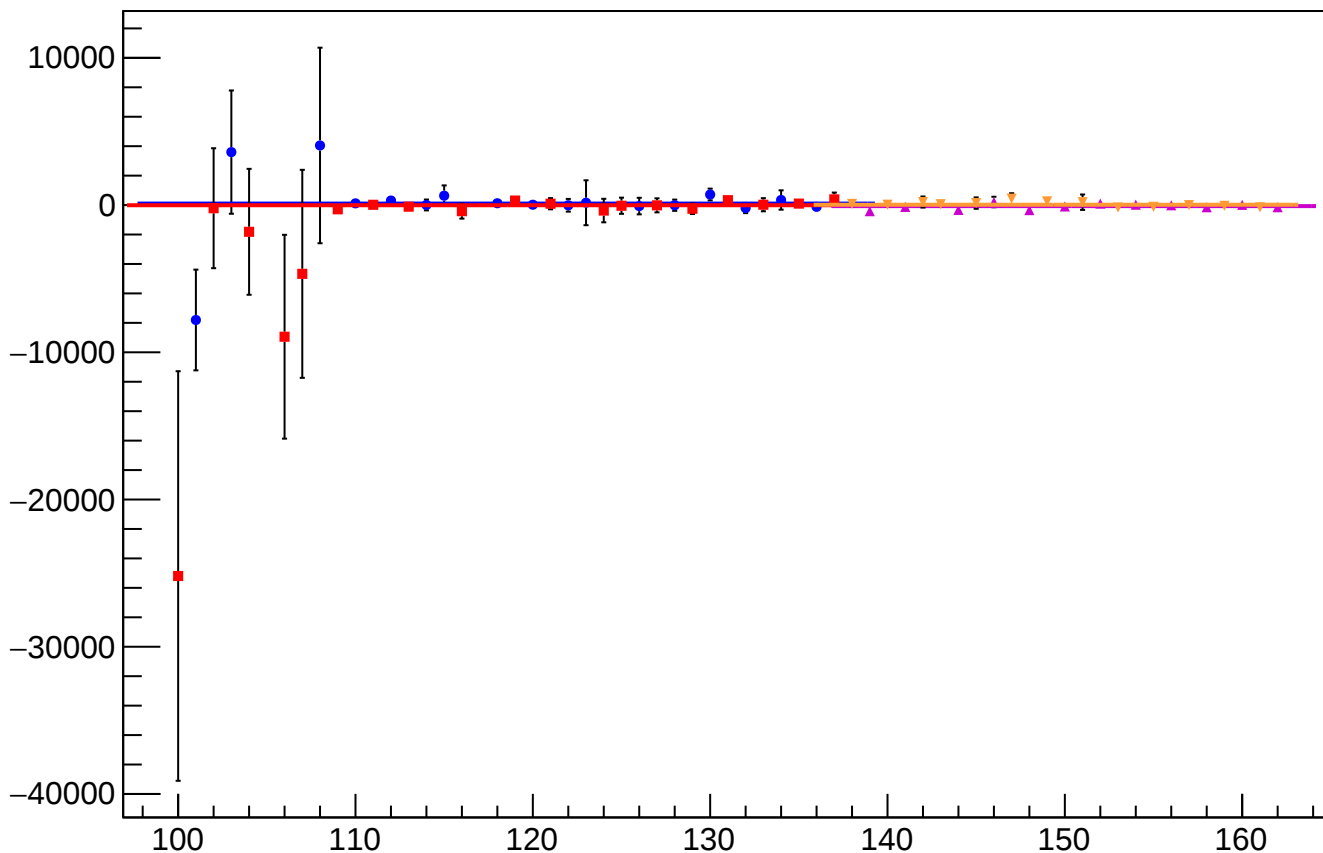
Left In: 29.589+/-0.007 χ^2/NDF : 79283.8/11

+ sign 29.215+/-0.005 χ^2/NDF : 3102840.4/29

All: 29.089+/-0.004 χ^2/NDF : 6685884.4/60

- sign 28.964+/-0.005 χ^2/NDF : 3581937.9/30

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: 23.057 $\pm$ 77.914 χ^2 /NDF: 4.0/12

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

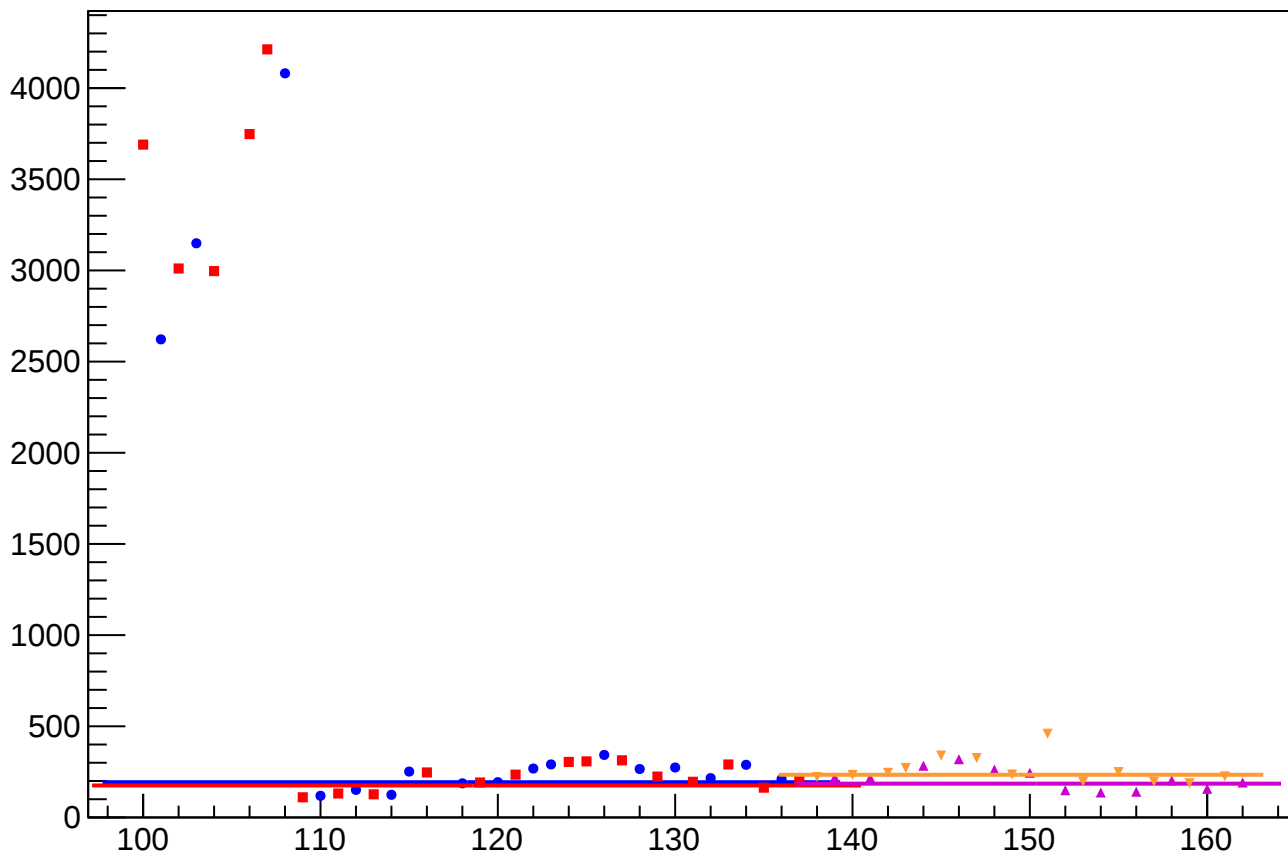
Left In: -70.317 $\pm$ 63.488 χ^2 /NDF: 5.5/11

+ sign 57.475 $\pm$ 58.448 χ^2 /NDF: 16.9/29

All: -3.334 $\pm$ 38.055 χ^2 /NDF: 36.8/60

- sign -48.080 $\pm$ 50.137 χ^2 /NDF: 18.0/30

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.190+/-0.063 χ^2/NDF : 3536123.5/16

Left Out: 234.144+/-0.055 χ^2/NDF : 883873.7/12

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

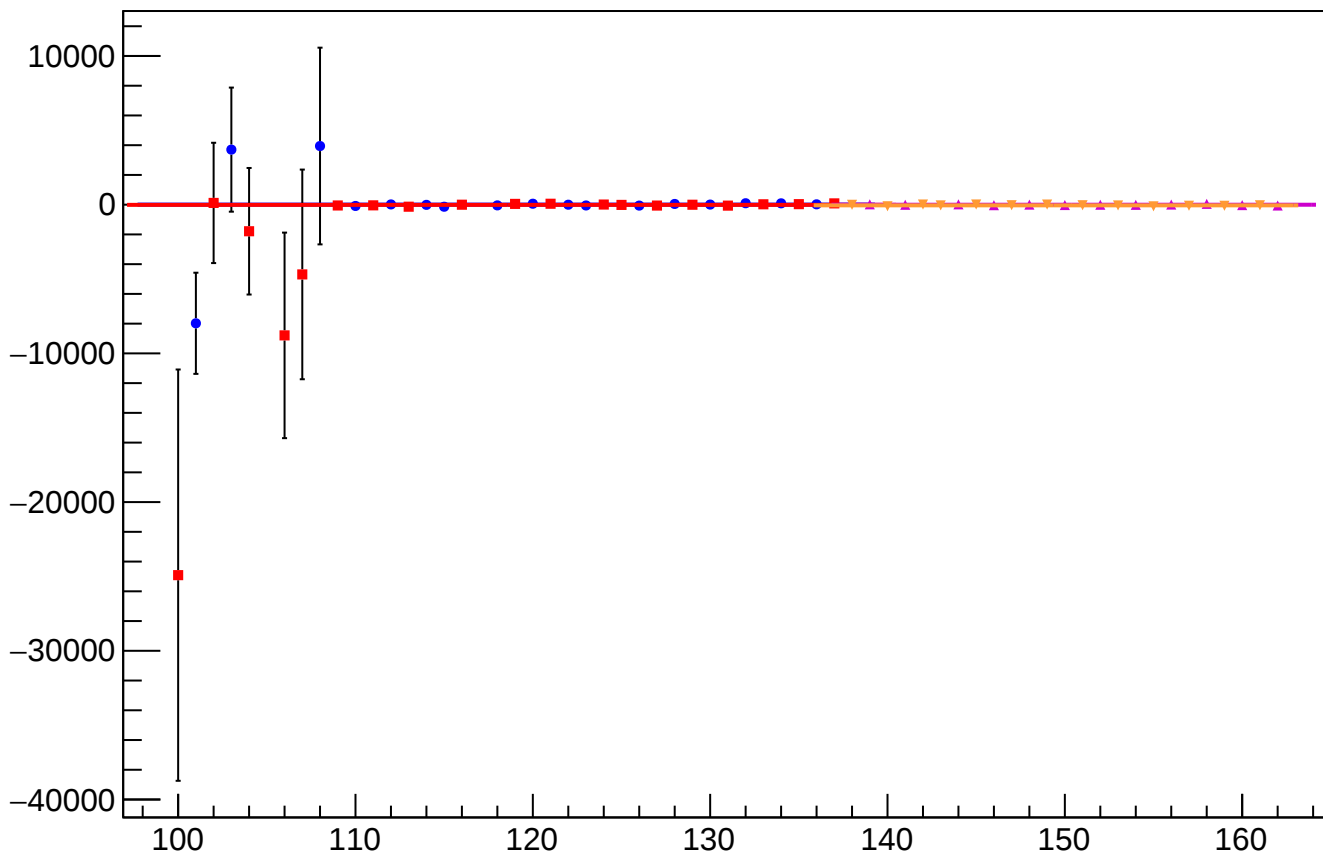
Left In: 185.339+/-0.045 χ^2/NDF : 1254546.4/11

+ sign 216.237+/-0.041 χ^2/NDF : 4661610.2/29

All: 196.300+/-0.027 χ^2/NDF : 10503593.7/60

- sign 181.630+/-0.035 χ^2/NDF : 5438068.6/30

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: -45.311 $\pm$ 11.280 χ^2 /NDF:11.7/12

Right Out: -12.487 $\pm$ 14.947 χ^2 /NDF: 21.7/18

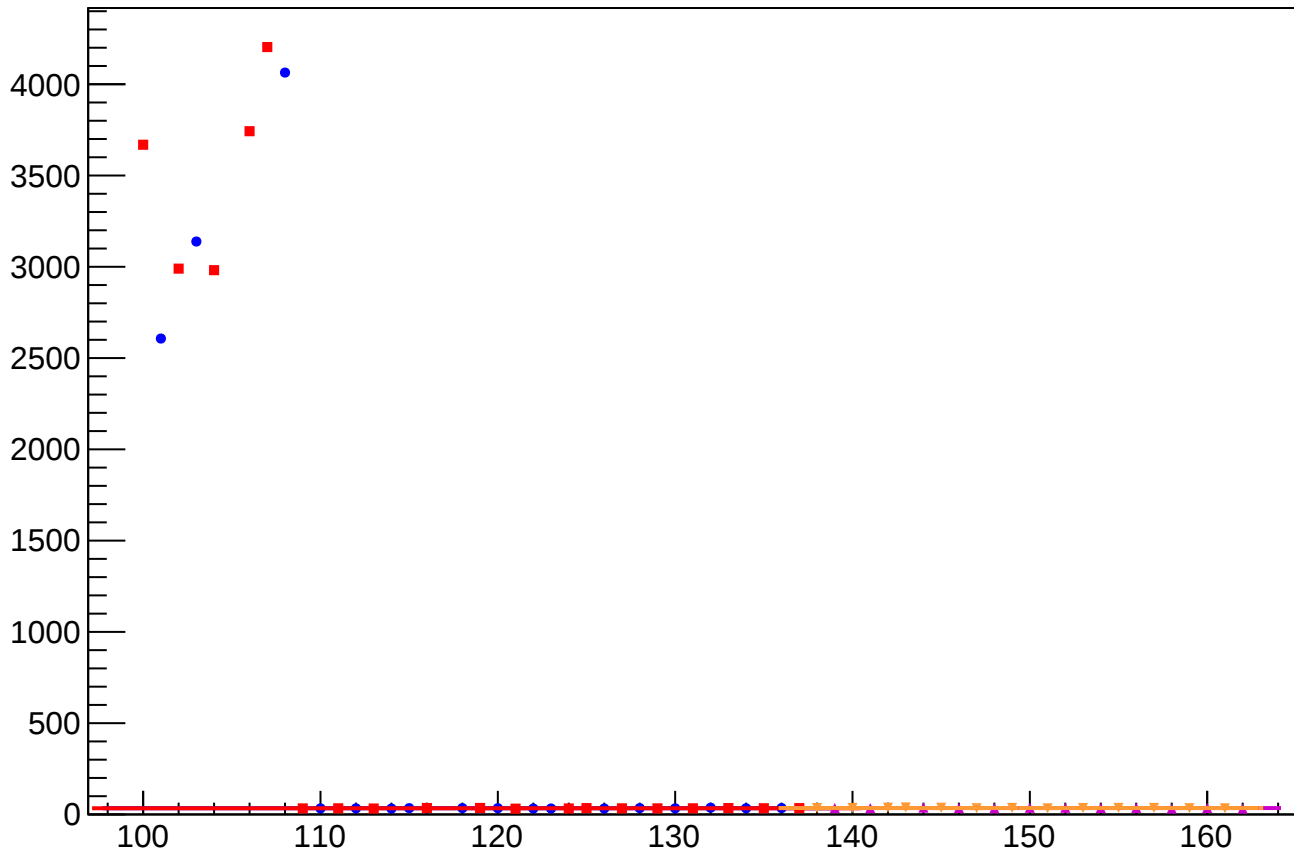
Left In: -3.463 $\pm$ 11.263 χ^2 /NDF:7.1/11

+ sign -27.163 $\pm$ 9.001 χ^2 /NDF: 39.2/29

All: -16.940 $\pm$ 6.363 χ^2 /NDF: 70.8/60

- sign -6.731 $\pm$ 8.995 χ^2 /NDF: 29.0/30

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: 35.229 $\pm$ 0.008 χ^2 /NDF: 26927.3/12

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

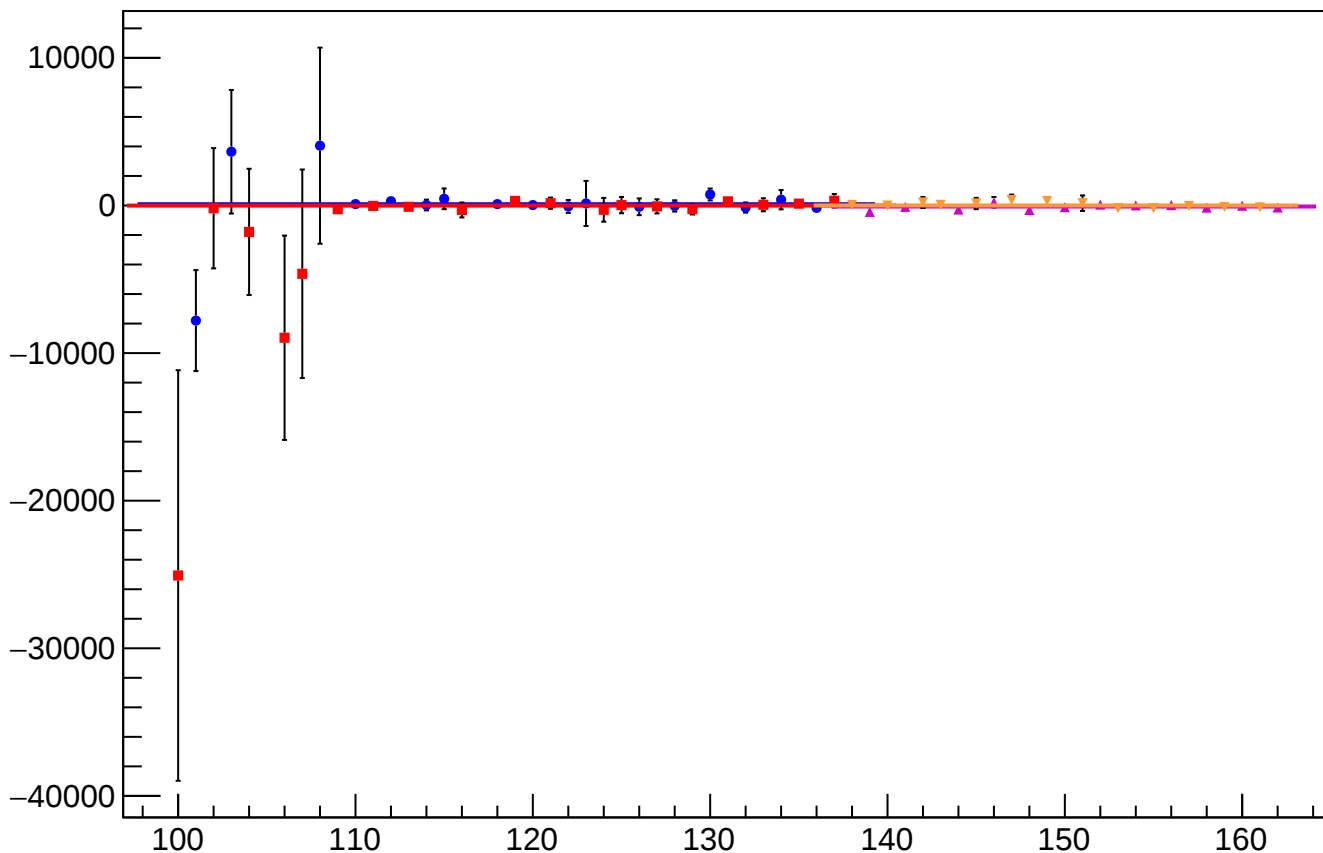
Left In: 35.044 $\pm$ 0.008 χ^2 /NDF: 35783.2/11

+ sign 34.832 $\pm$ 0.006 χ^2 /NDF: 3039974.8/29

All: 34.733 $\pm$ 0.004 χ^2 /NDF: 6535444.1/60

- sign 34.634 $\pm$ 0.006 χ^2 /NDF: 3494986.3/30

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: 3.332+/-77.684 χ^2/NDF : 4.4/12

Right Out: -7.296+/-81.208 χ^2/NDF : 11.1/18

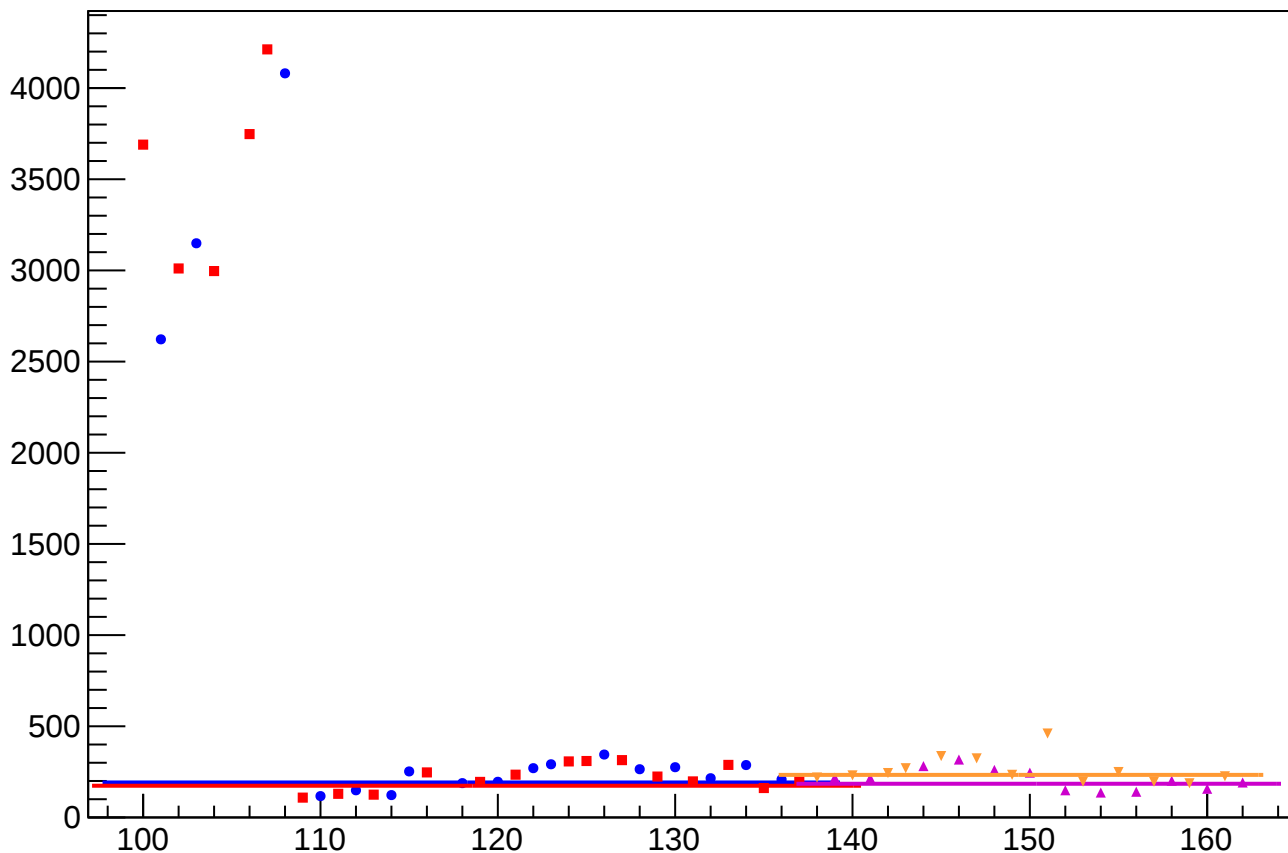
Left In: -70.604+/-63.290 χ^2/NDF : 4.8/11

+ sign 39.581+/-58.223 χ^2/NDF : 17.3/29

All: -10.135+/-37.897 χ^2/NDF : 34.9/60

- sign -46.681+/-49.920 χ^2/NDF : 16.3/30

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 191.880+/-0.062 χ^2/NDF : 3573060.2/16

Left Out: 233.471+/-0.055 χ^2/NDF : 877026.6/12

Right Out: 173.928+/-0.057 χ^2/NDF : 4211385.1/18

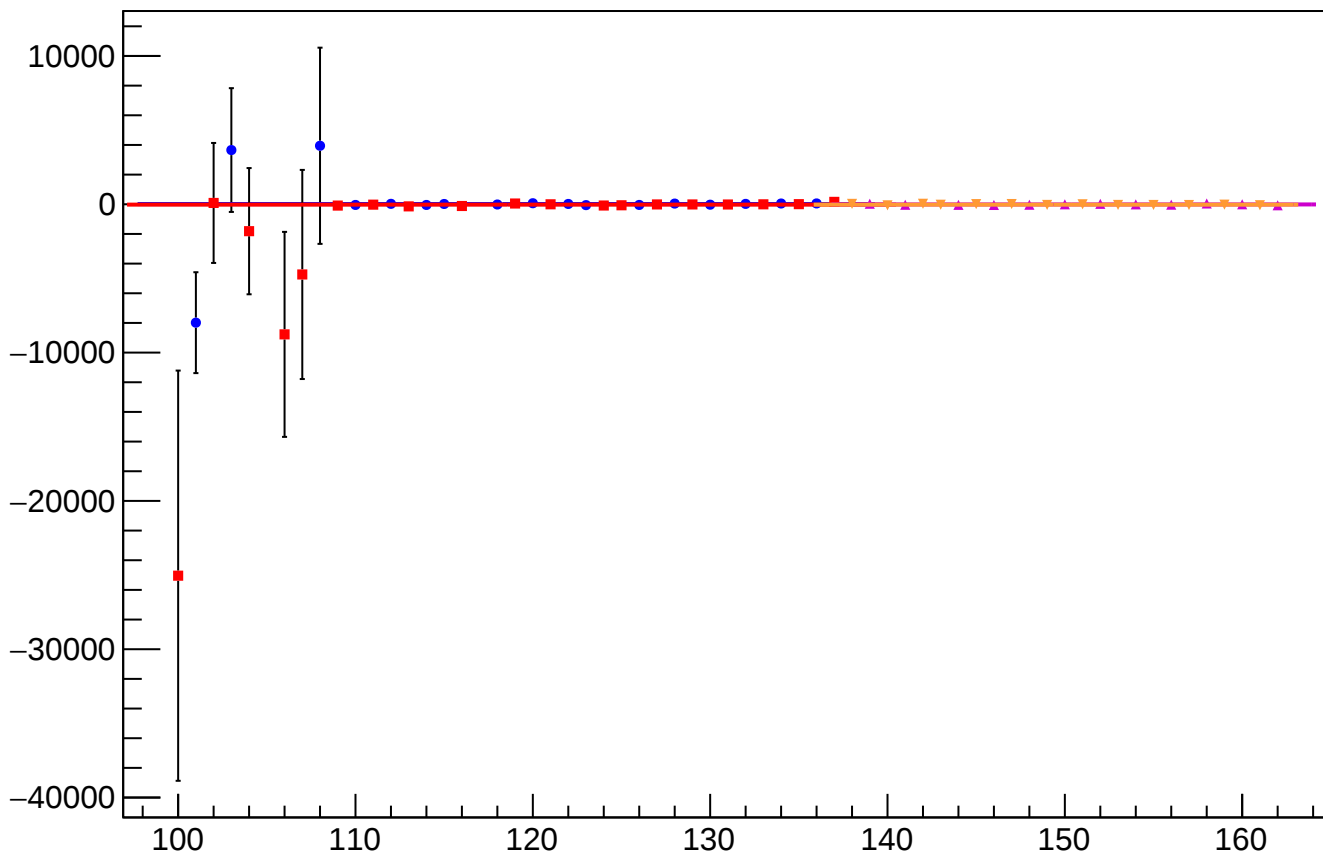
Left In: 184.786+/-0.045 χ^2/NDF : 1240175.2/11

+ sign 215.243+/-0.041 χ^2/NDF : 4701332.5/29

All: 195.325+/-0.027 χ^2/NDF : 10581251.2/60

- sign 180.683+/-0.035 χ^2/NDF : 5473806.9/30

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.121+/-13.618 χ^2/NDF : 15.2/16

Left Out: -25.169+/-10.254 χ^2/NDF : 10.3/12

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

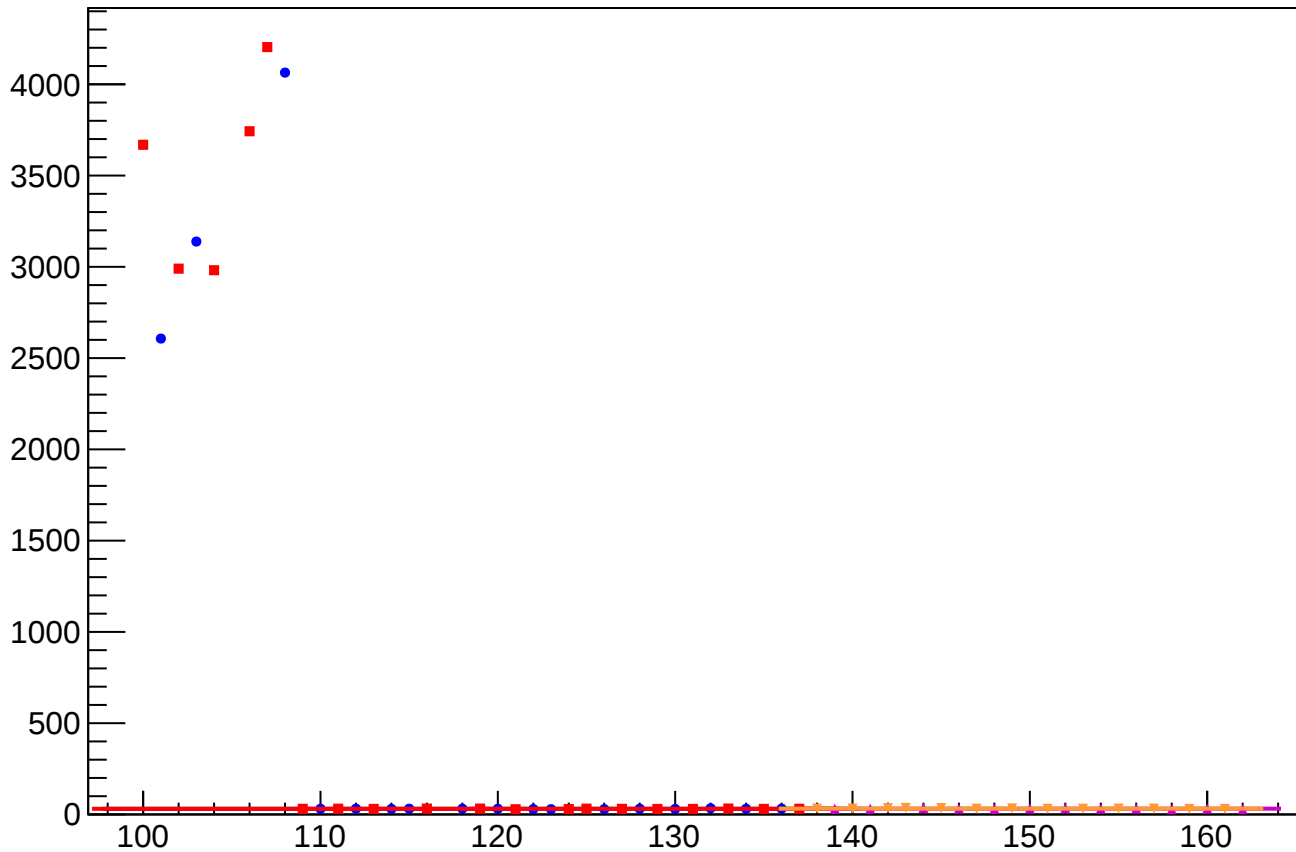
Left In: -10.315+/-10.207 χ^2/NDF : 12.4/11

+ sign -10.952+/-8.192 χ^2/NDF : 30.8/29

All: -12.978+/-5.787 χ^2/NDF : 71.4/60

- sign -14.996+/-8.176 χ^2/NDF : 40.4/30

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: 31.991 $\pm$ 0.007 χ^2 /NDF: 47078.5/12

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

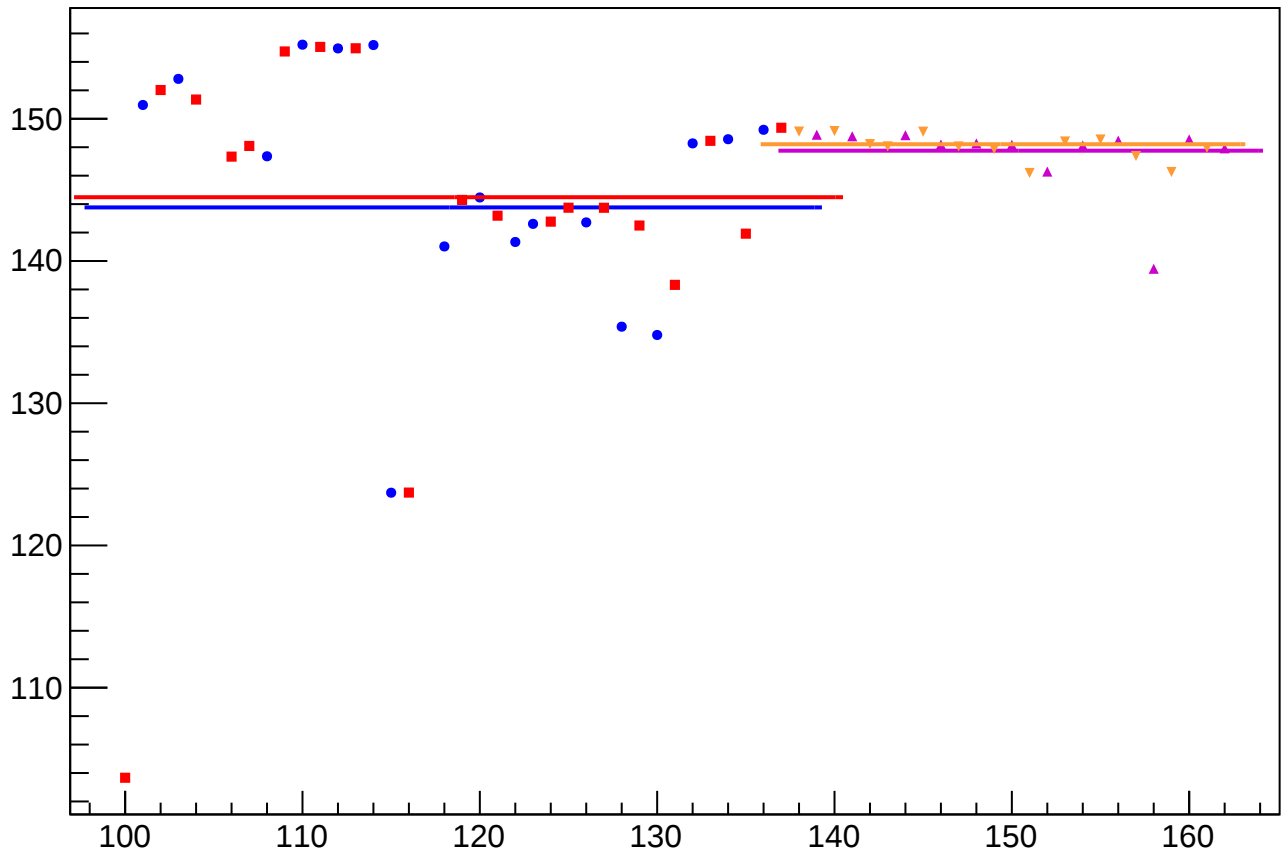
Left In: 31.705 $\pm$ 0.007 χ^2 /NDF: 64852.0/11

+ sign 31.678 $\pm$ 0.006 χ^2 /NDF: 3066642.9/29

All: 31.558 $\pm$ 0.004 χ^2 /NDF: 6595081.6/60

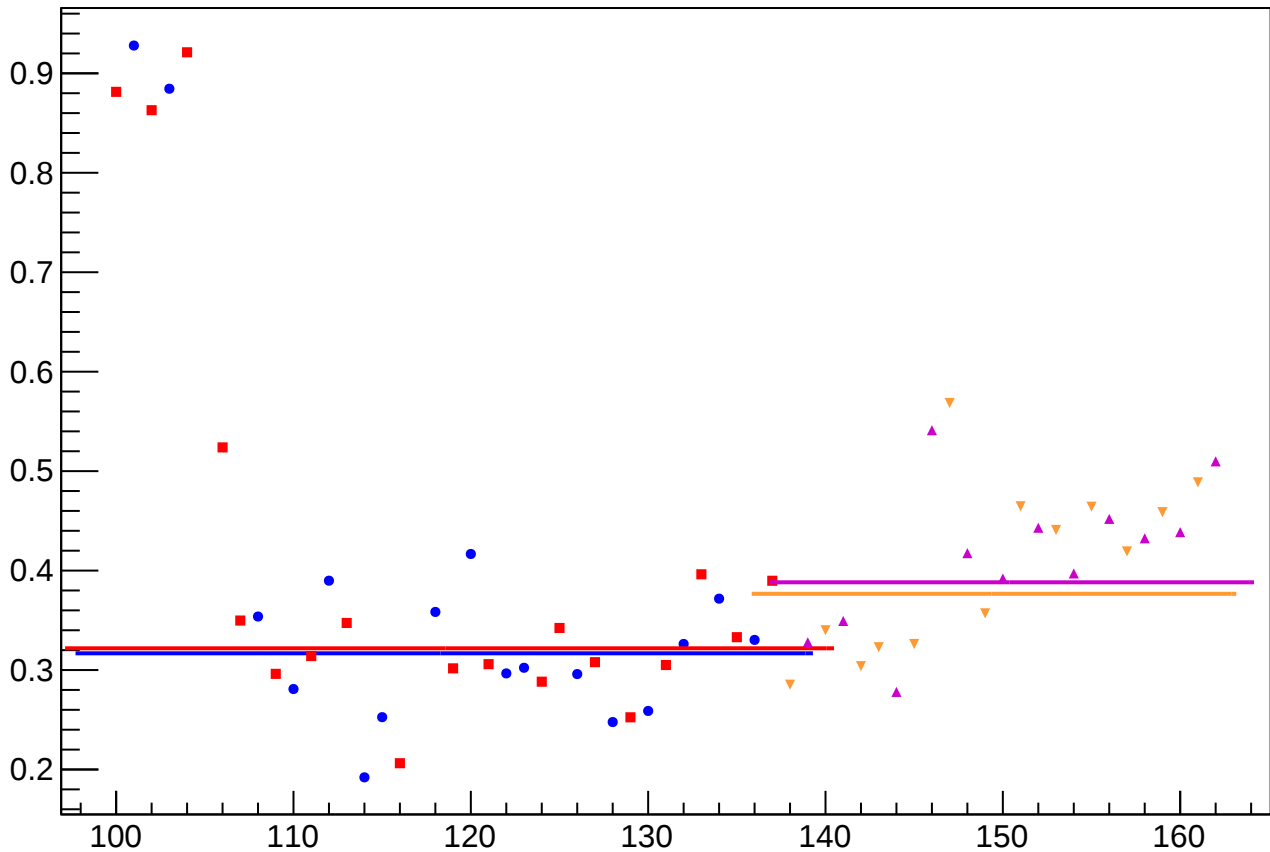
- sign 31.439 $\pm$ 0.006 χ^2 /NDF: 3527586.7/30

yield_bcm_an_ds_mean vs Slug



Right In: 143.768+/-0.000	χ^2/NDF : 3532173868.5/16	+ sign 146.131+/-0.000	χ^2/NDF : 4166953596.6/29
Left Out: 148.210+/-0.000	χ^2/NDF : 50597661.2/12	All: 146.149+/-0.000	χ^2/NDF : 8981976132.6
Right Out: 144.486+/-0.000	χ^2/NDF : 4183608291.3/18	- sign 146.167+/-0.000	χ^2/NDF : 4814948361.2/30
Left In: 147.757+/-0.000	χ^2/NDF : 320135432.7/11		

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.377 ± 0.000 χ^2/NDF : 741559.1/12

Right Out: 0.322 ± 0.000 χ^2/NDF : 1217762.5/18

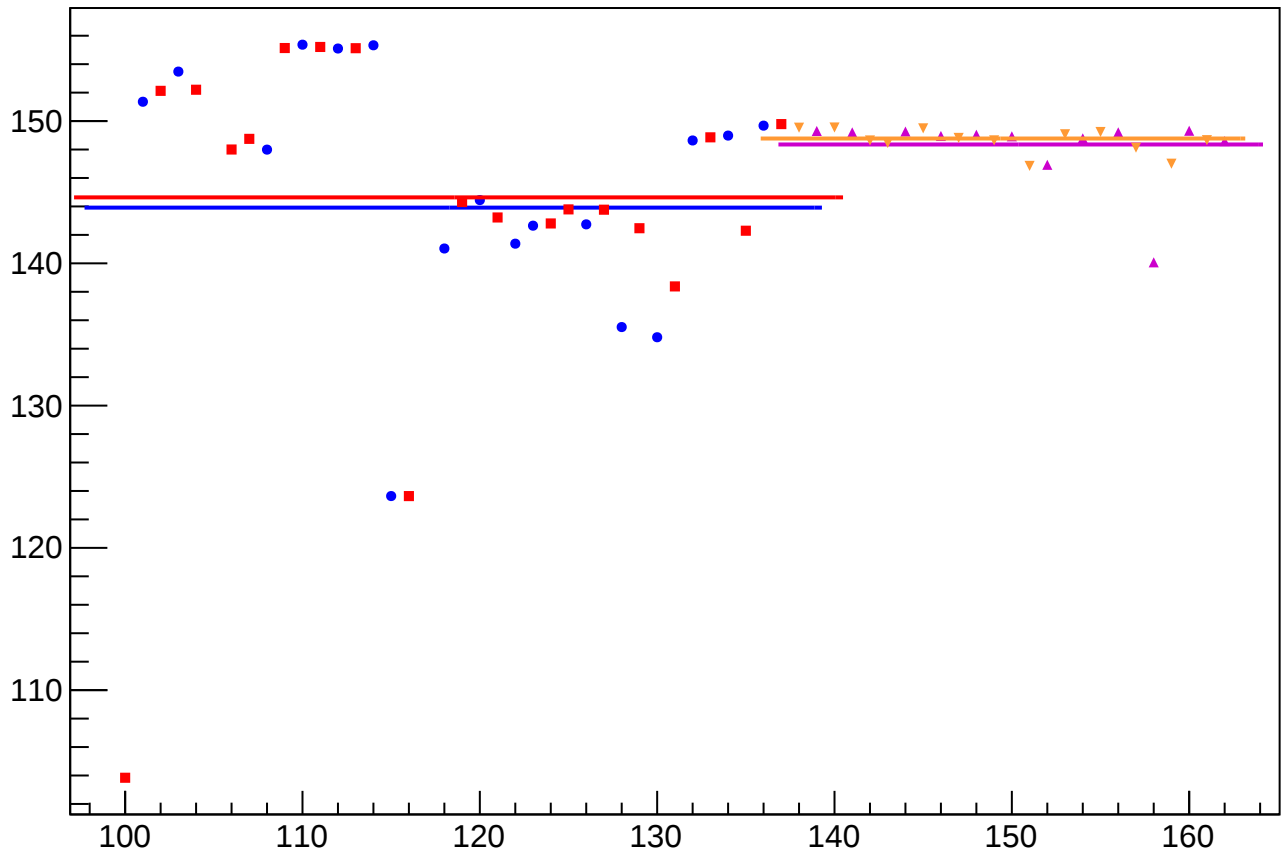
Left In: 0.388 ± 0.000 χ^2/NDF : 636564.0/11

+ sign 0.349 ± 0.000 χ^2/NDF : 2232267.8/29

All: 0.352 ± 0.000 χ^2/NDF : 4348981.8/60

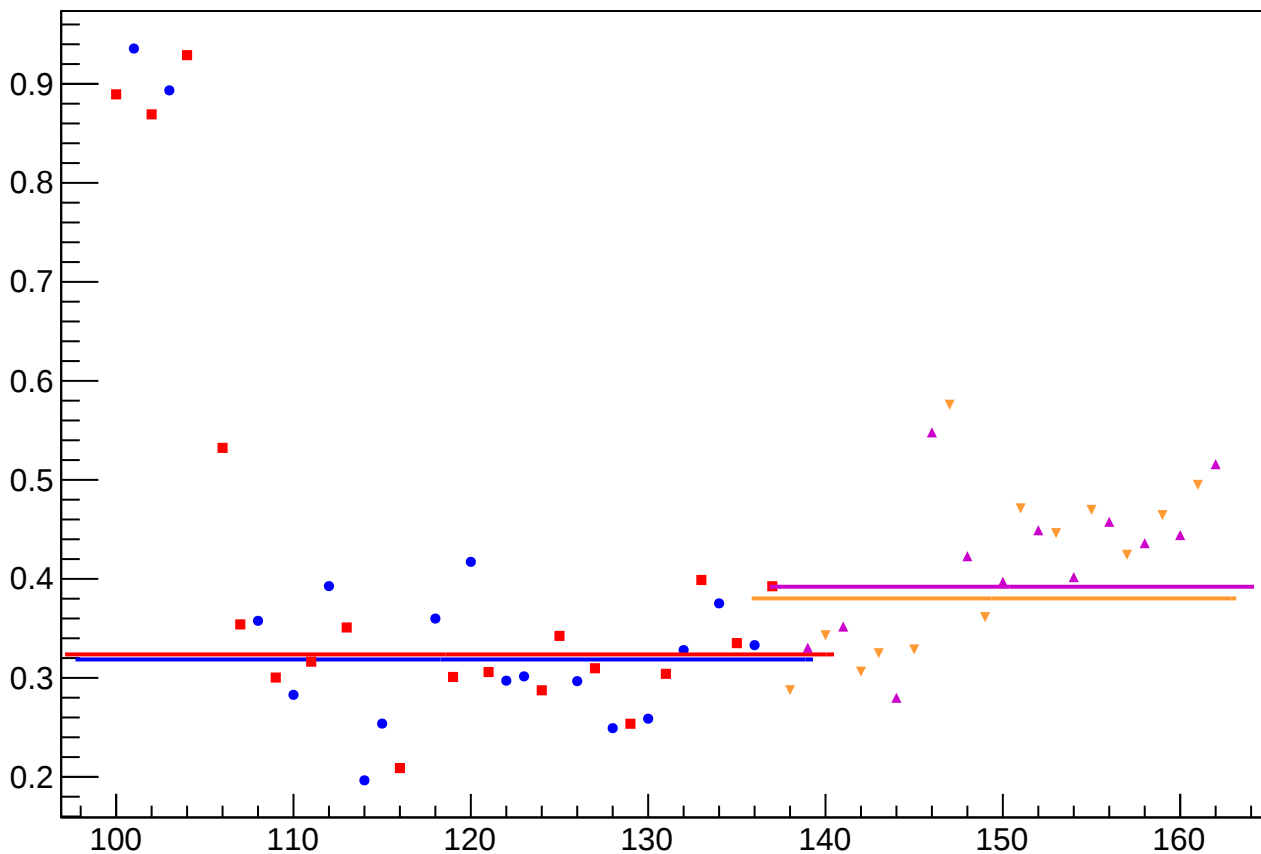
- sign 0.356 ± 0.000 χ^2/NDF : 2110424.6/30

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917+/-0.000	χ^2/NDF : 3584662767.5/16	+ sign 146.491+/-0.000	χ^2/NDF : 4312426154.9/29
Left Out: 148.774+/-0.000	χ^2/NDF : 39703204.8/12	All: 146.515+/-0.000	χ^2/NDF : 9228350720.6
Right Out: 144.637+/-0.000	χ^2/NDF : 4210524953.9/18	- sign 146.539+/-0.000	χ^2/NDF : 4915786516.2/30
Left In: 148.355+/-0.000	χ^2/NDF : 309577985.1/11		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.380 ± 0.000 χ^2/NDF : 756563.9/12

Right Out: 0.324 ± 0.000 χ^2/NDF : 1220898.3/18

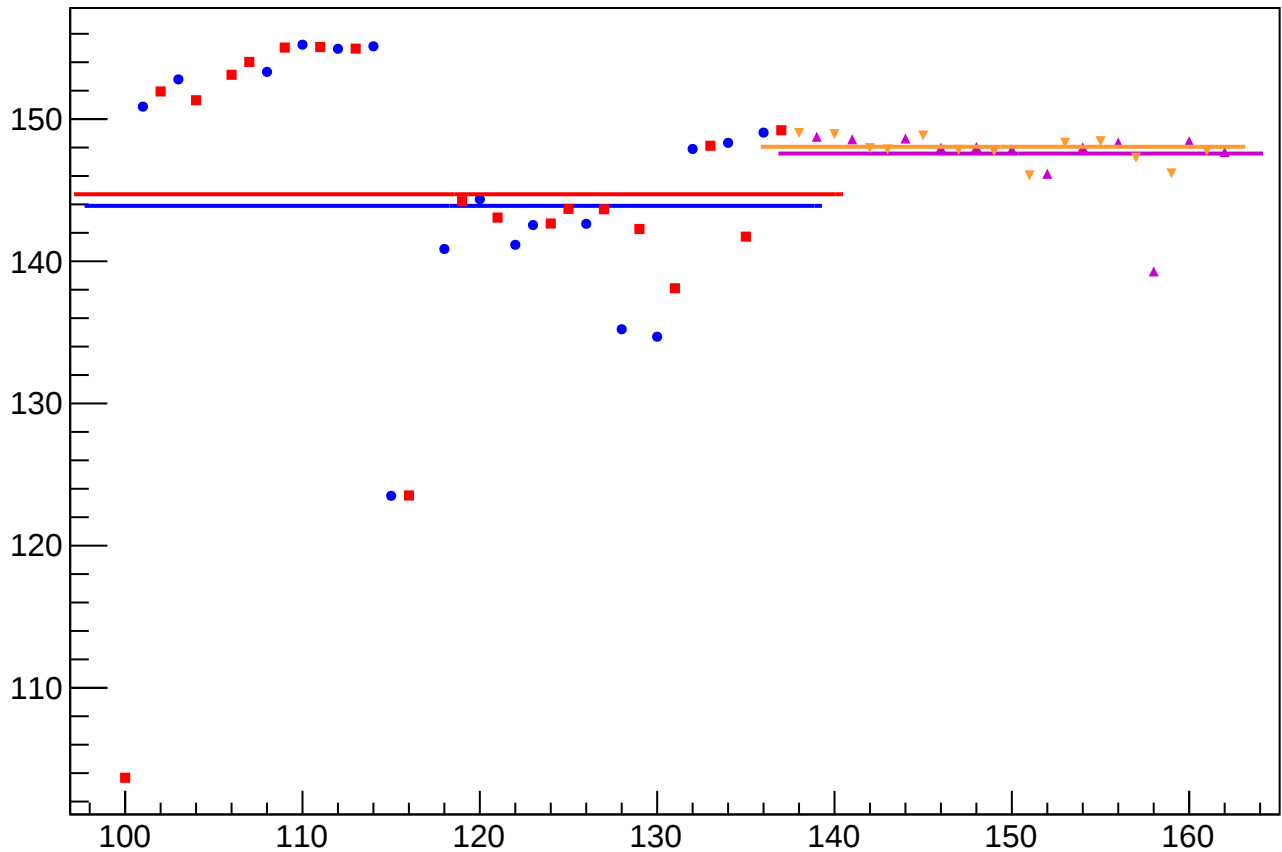
Left In: 0.392 ± 0.000 χ^2/NDF : 650507.8/11

+ sign 0.351 ± 0.000 χ^2/NDF : 2259065.5/29

All: 0.355 ± 0.000 χ^2/NDF : 4404251.2/60

- sign 0.359 ± 0.000 χ^2/NDF : 2138835.6/30

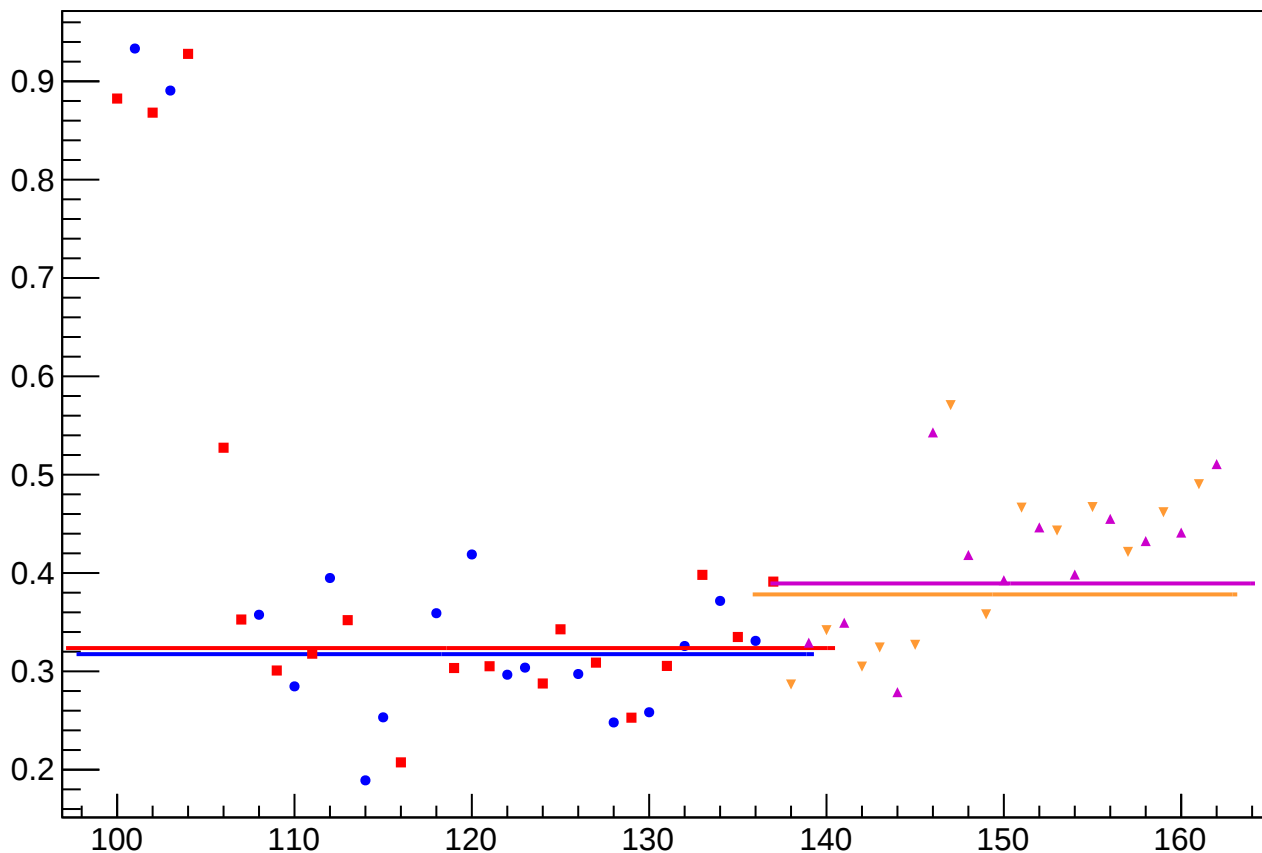
yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16
 Left Out: 148.054 $\pm$ 0.000 χ^2 /NDF: 48936298.8/12
 Right Out: 144.715 $\pm$ 0.000 χ^2 /NDF: 4474458988.7/18
 Left In: 147.576 $\pm$ 0.000 χ^2 /NDF: 318756342.0/11

+ sign 146.107 $\pm$ 0.000 χ^2 /NDF: 4306508221.0/29
 All: 146.148 $\pm$ 0.000 χ^2 /NDF: 9336113250.8
 - sign 146.189 $\pm$ 0.000 χ^2 /NDF: 5029210273.8/30

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.378 ± 0.000 χ^2/NDF : 744105.7/12

Right Out: 0.324 ± 0.000 χ^2/NDF : 1221676.7/18

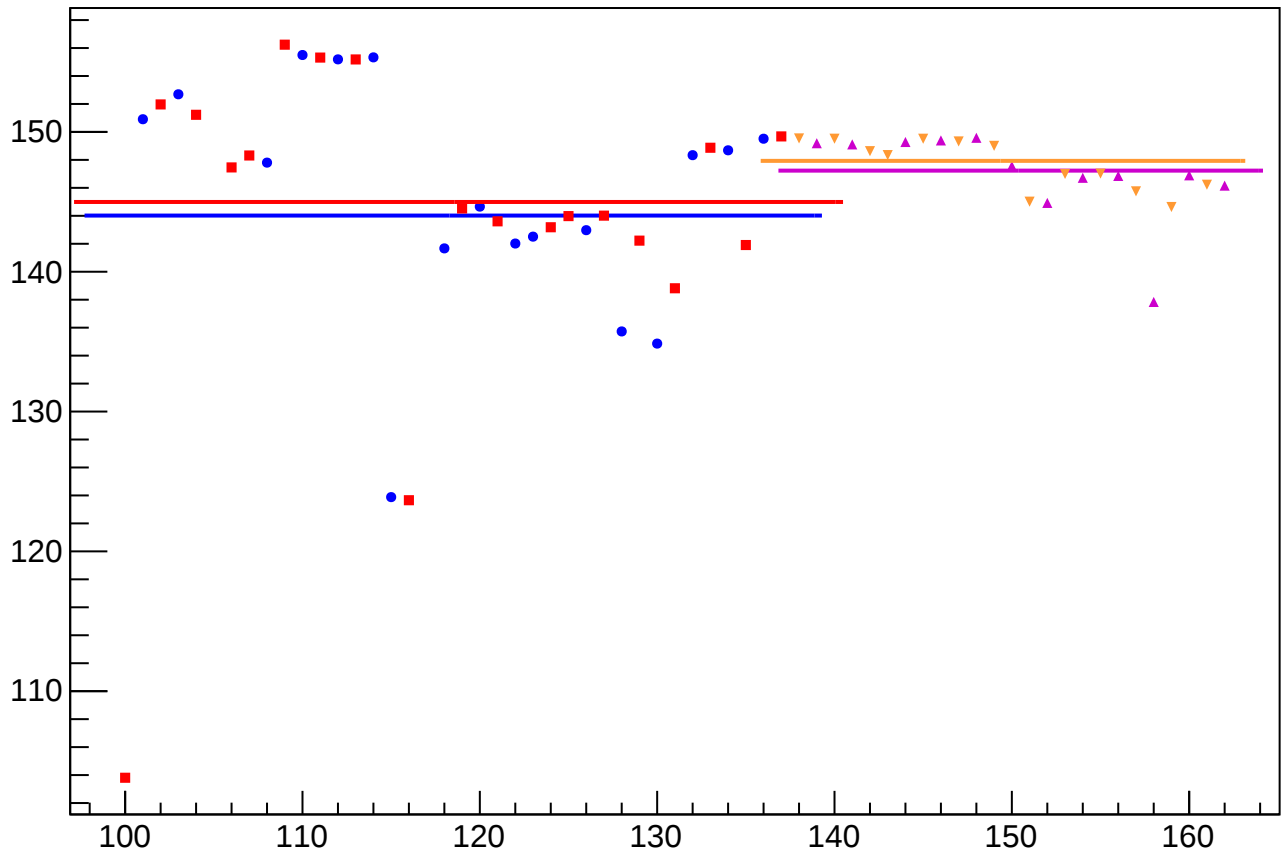
Left In: 0.389 ± 0.000 χ^2/NDF : 639838.1/11

+ sign 0.350 ± 0.000 χ^2/NDF : 2254253.7/29

All: 0.354 ± 0.000 χ^2/NDF : 4371764.8/60

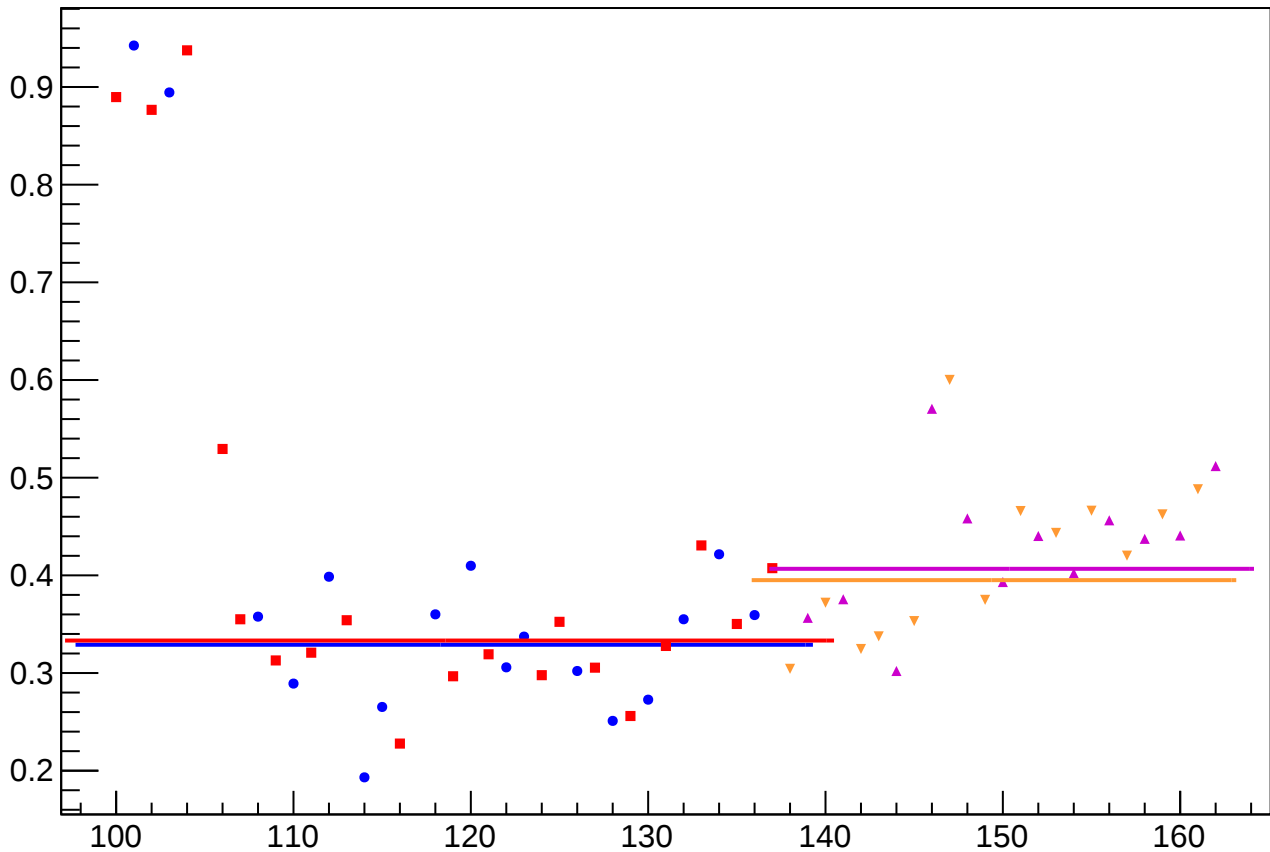
- sign 0.358 ± 0.000 χ^2/NDF : 2110505.3/30

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 $\pm$ 0.000	χ^2 /NDF: 3238525527.6/16	+ sign 146.088 $\pm$ 0.000	χ^2 /NDF: 3820225185.4/29
Left Out: 147.930 $\pm$ 0.000	χ^2 /NDF: 165541877.0/12	All: 146.110 $\pm$ 0.000	χ^2 /NDF: 8291027198.7
Right Out: 144.990 $\pm$ 0.000	χ^2 /NDF: 3853449012.9/18	- sign 146.133 $\pm$ 0.000	χ^2 /NDF: 4470689065.4/30
Left In: 147.232 $\pm$ 0.000	χ^2 /NDF: 482129384.7/11		

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.395 ± 0.000 χ^2/NDF : 584825.2/12

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

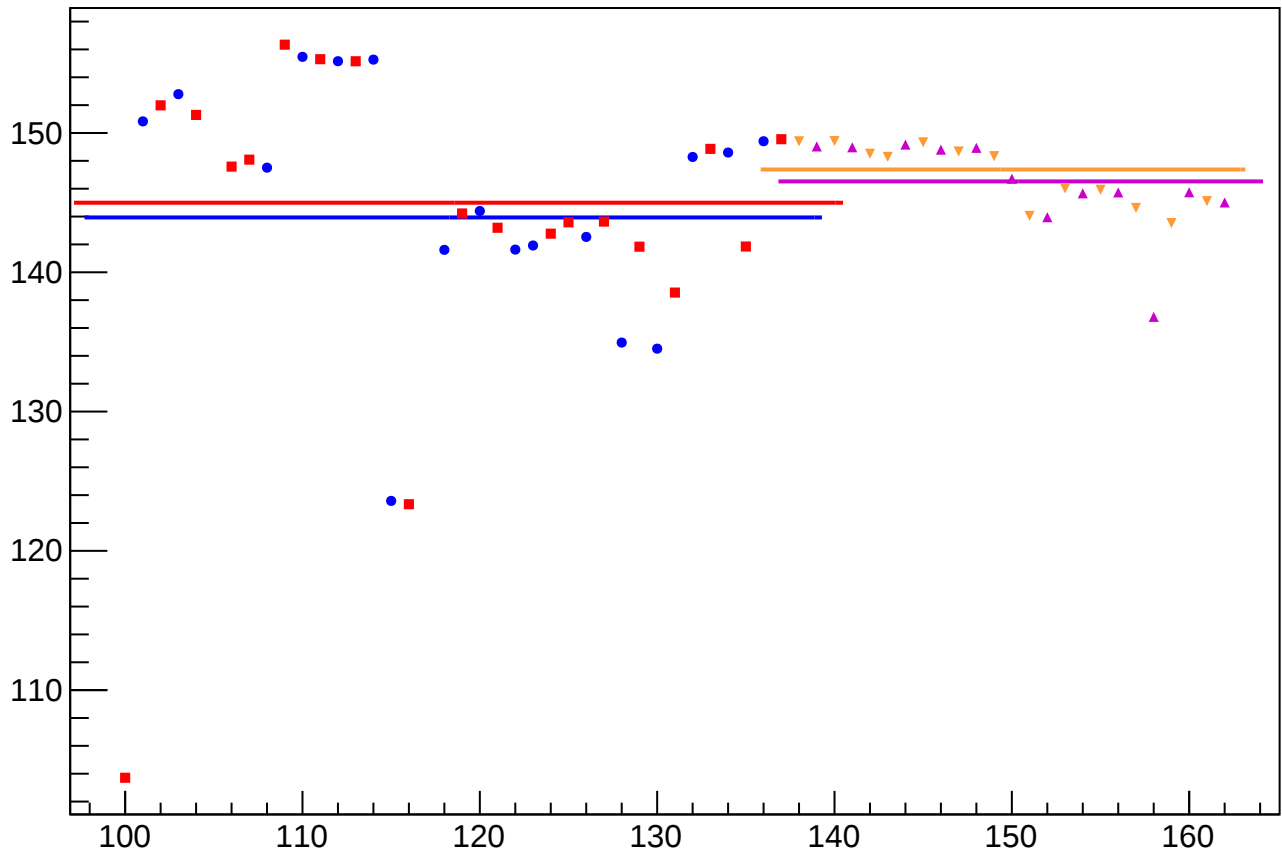
Left In: 0.407 ± 0.000 χ^2/NDF : 492262.0/11

+ sign 0.364 ± 0.000 χ^2/NDF : 2098748.8/29

All: 0.367 ± 0.000 χ^2/NDF : 4068357.8/60

- sign 0.371 ± 0.000 χ^2/NDF : 1964656.4/30

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 147.379 $\pm$ 0.000 χ^2 /NDF:248841149.9/12

Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3934069043.2/18

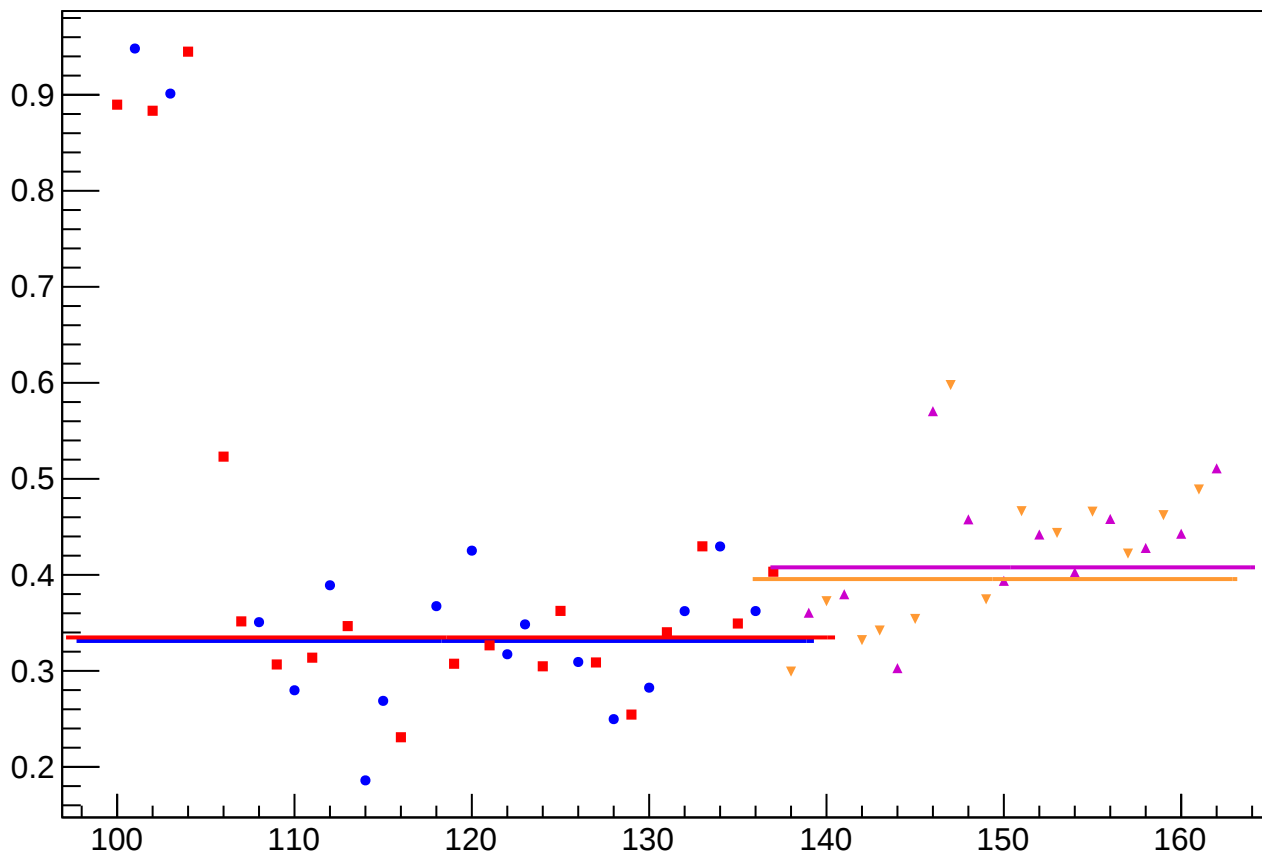
Left In: 146.524 $\pm$ 0.000 χ^2 /NDF:588723902.7/11

+ sign 145.769 $\pm$ 0.000 χ^2 /NDF: 3946603633.8/29

All: 145.773 $\pm$ 0.000 χ^2 /NDF: 8531675865.5

- sign 145.776 $\pm$ 0.000 χ^2 /NDF: 4585069579.9/30

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.396 ± 0.000 χ^2/NDF : 584735.1/12

Right Out: 0.335 ± 0.000 χ^2/NDF : 1172239.8/18

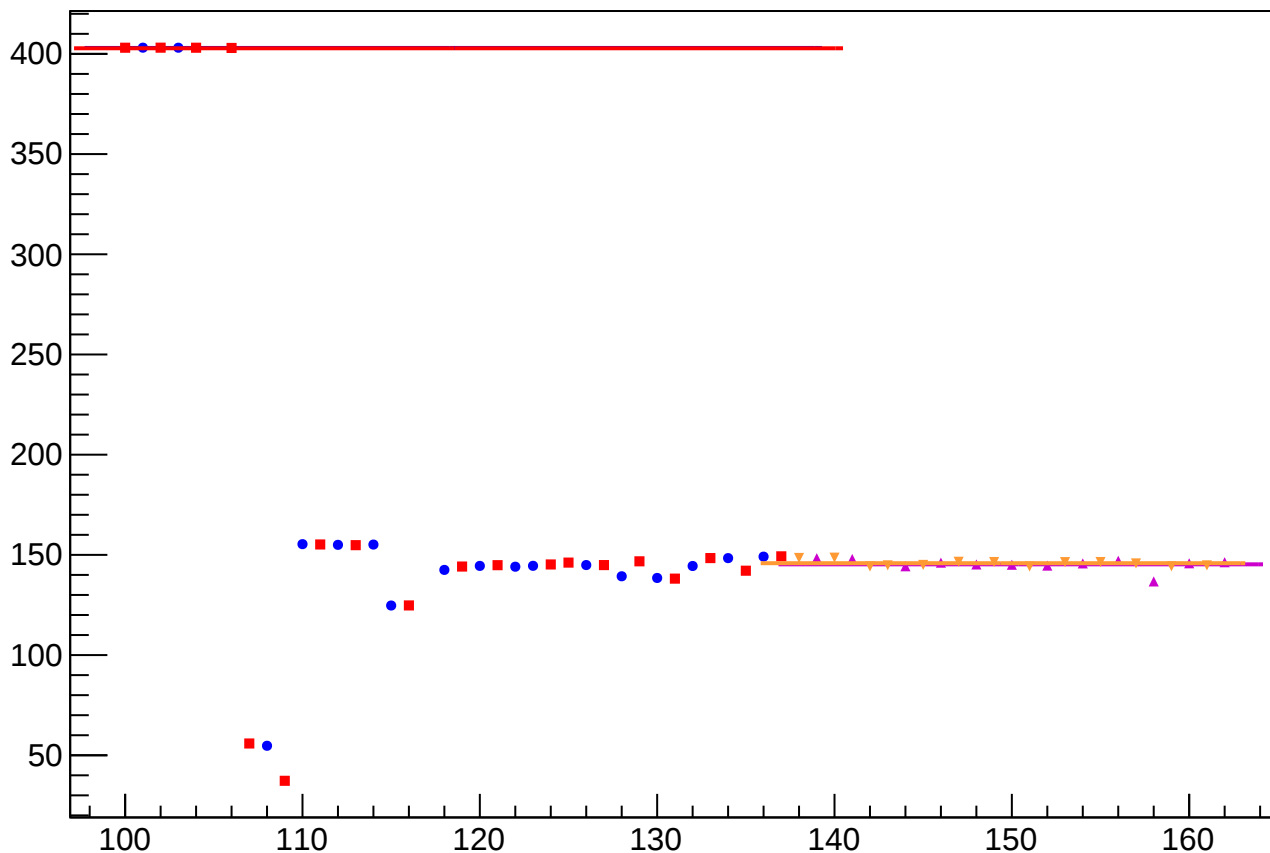
Left In: 0.408 ± 0.000 χ^2/NDF : 476714.5/11

+ sign 0.365 ± 0.000 χ^2/NDF : 2103826.2/29

All: 0.369 ± 0.000 χ^2/NDF : 4041532.8/60

- sign 0.372 ± 0.000 χ^2/NDF : 1932947.7/30

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 145.847+/-0.000 χ^2/NDF : 38276033.2/12

Right Out: 402.799+/-0.000 χ^2/NDF : 3103890772575.4/18

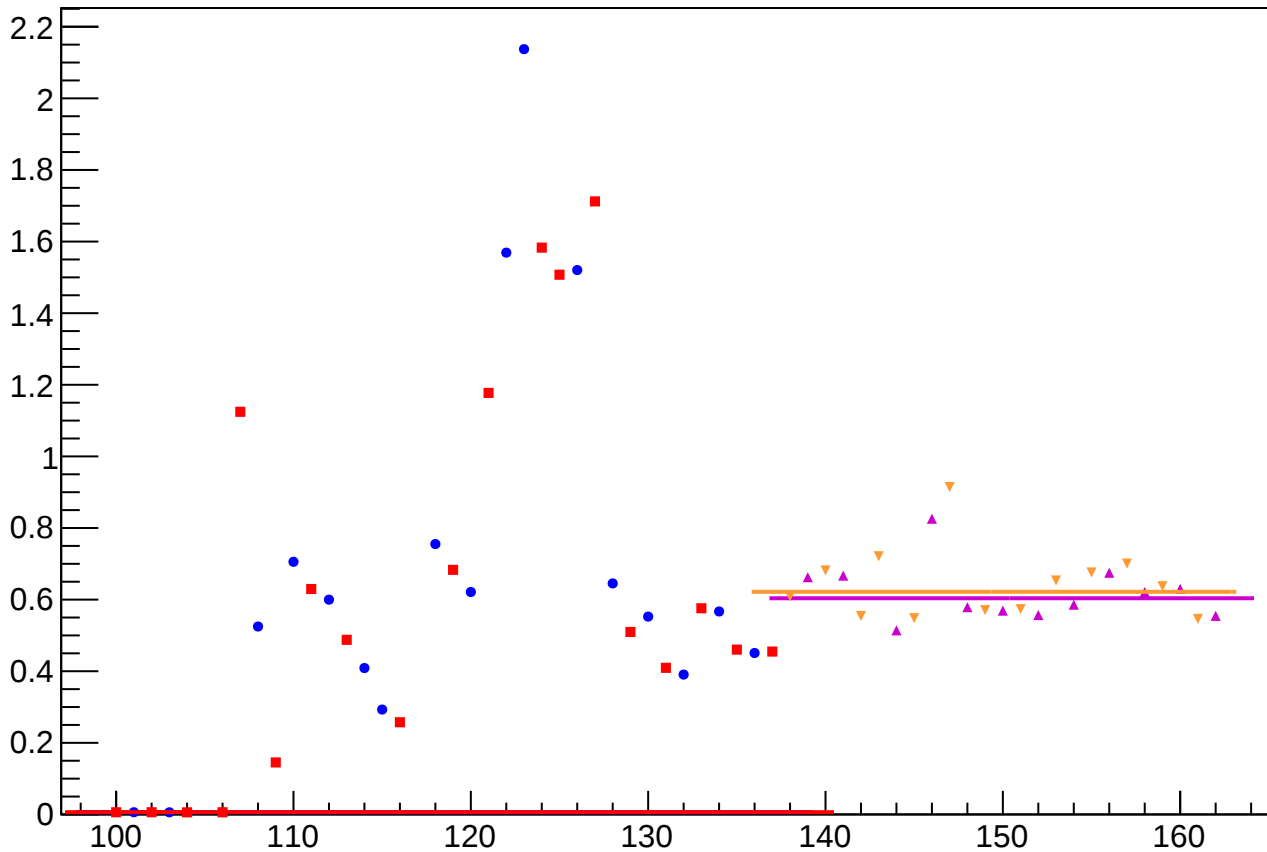
Left In: 145.281+/-0.000 χ^2/NDF : 128890344.2/11

+ sign 402.819+/-0.000 χ^2/NDF : 2203808619952.9

All: 402.738+/-0.000 χ^2/NDF : 650308081575

- sign 402.667+/-0.000 χ^2/NDF : 4298889558698.1

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.622+/-0.000 χ^2/NDF :215252.9/12

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

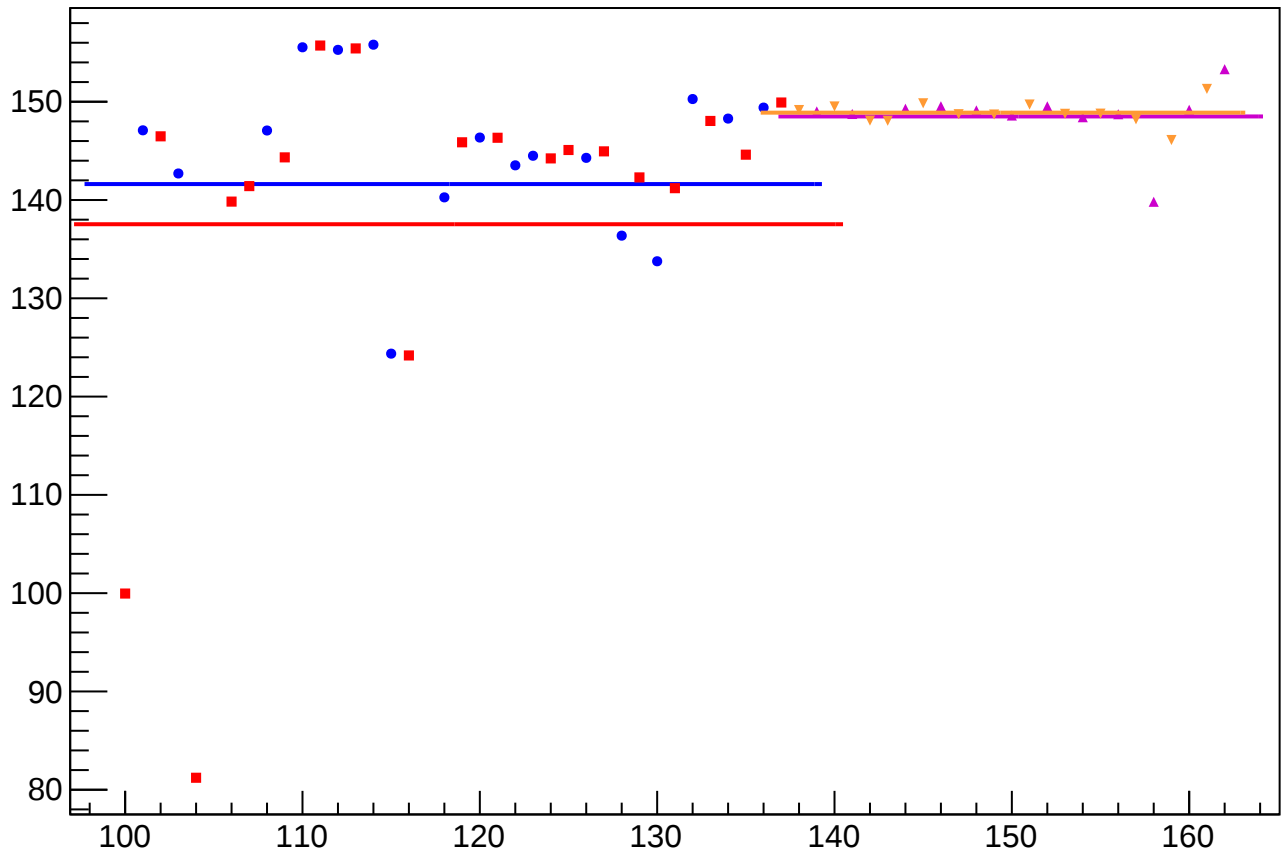
Left In: 0.604+/-0.000 χ^2/NDF :168539.6/11

+ sign 0.007+/-0.000 χ^2/NDF : 22064732.2/29

All: 0.007+/-0.000 χ^2/NDF : 44308835.9/60

- sign 0.007+/-0.000 χ^2/NDF : 22244058.6/30

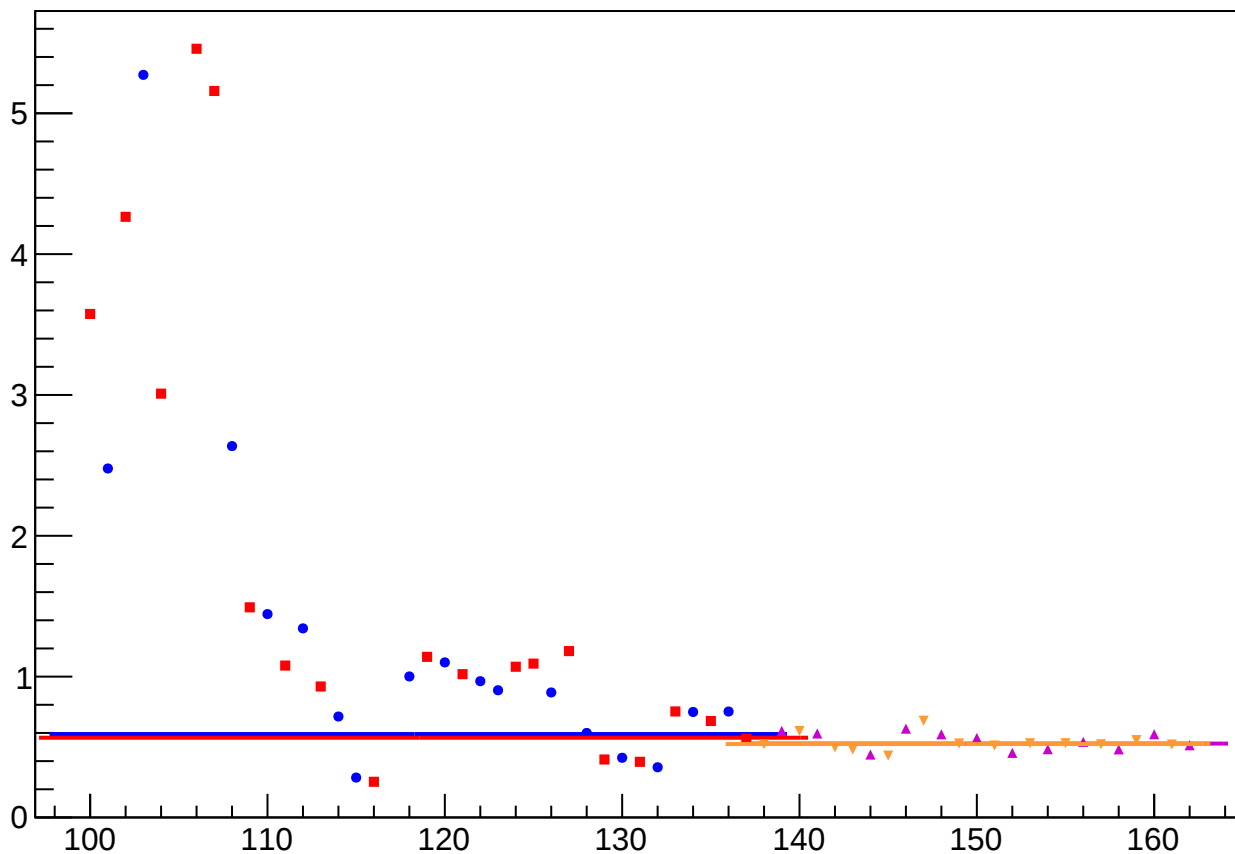
yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16
 Left Out: 148.889 $\pm$ 0.000 χ^2 /NDF: 46854531.4/12
 Right Out: 137.536 $\pm$ 0.000 χ^2 /NDF: 1315768553.6/18
 Left In: 148.502 $\pm$ 0.000 χ^2 /NDF: 310768141.0/11

+ sign 147.102 $\pm$ 0.000 χ^2 /NDF: 1431857456.4/29
 All: 146.392 $\pm$ 0.000 χ^2 /NDF: 4048988174.6
 - sign 145.687 $\pm$ 0.000 χ^2 /NDF: 2575856185.1/30

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.521 $\pm$ 0.000 χ^2 /NDF:168226.5/12

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4682140.9/18

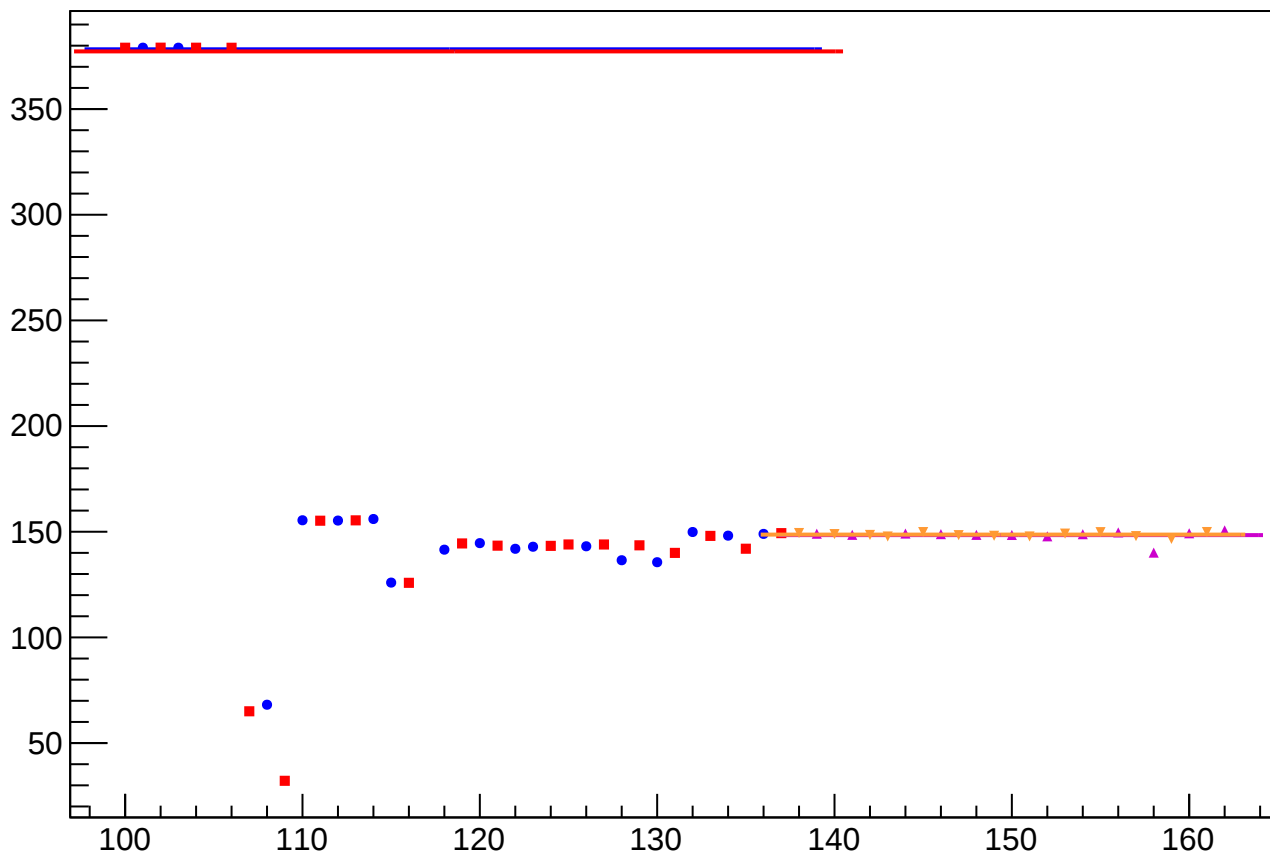
Left In: 0.524 $\pm$ 0.000 χ^2 /NDF:221964.7/11

+ sign 0.539 $\pm$ 0.000 χ^2 /NDF: 3766681.8/29

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 8698731.0/60

- sign 0.535 $\pm$ 0.000 χ^2 /NDF: 4931529.7/30

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.648+/-0.000 χ^2/NDF : 43902277.9/12

Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18

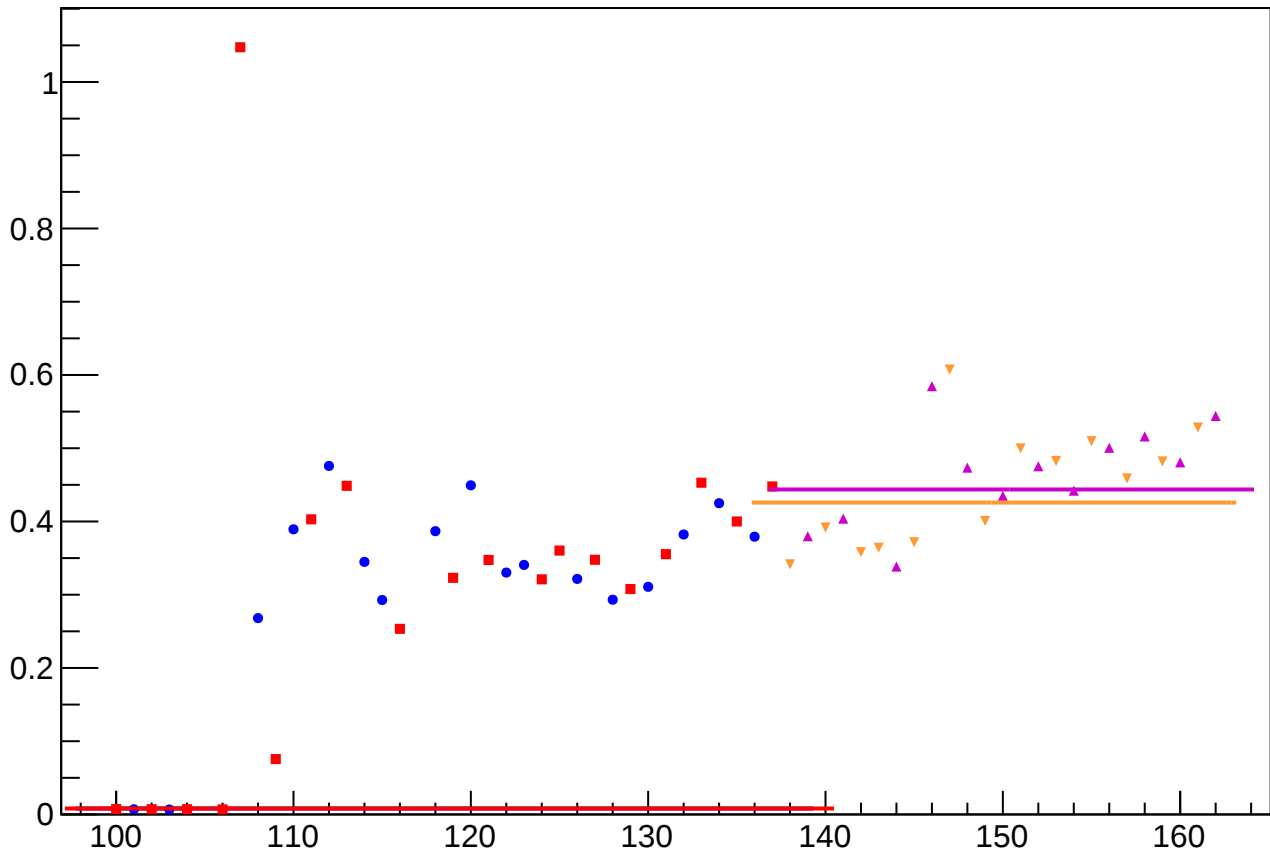
Left In: 148.403+/-0.000 χ^2/NDF : 223405061.9/11

+ sign 377.416+/-0.000 χ^2/NDF : 5159072762911.2

All: 376.976+/-0.000 χ^2/NDF : 158766809863

- sign 376.589+/-0.000 χ^2/NDF : 10712741333633.7

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.426+/-0.000 χ^2/NDF : 518027.2/12

Right Out: 0.008+/-0.000 χ^2/NDF : 9535410.6/18

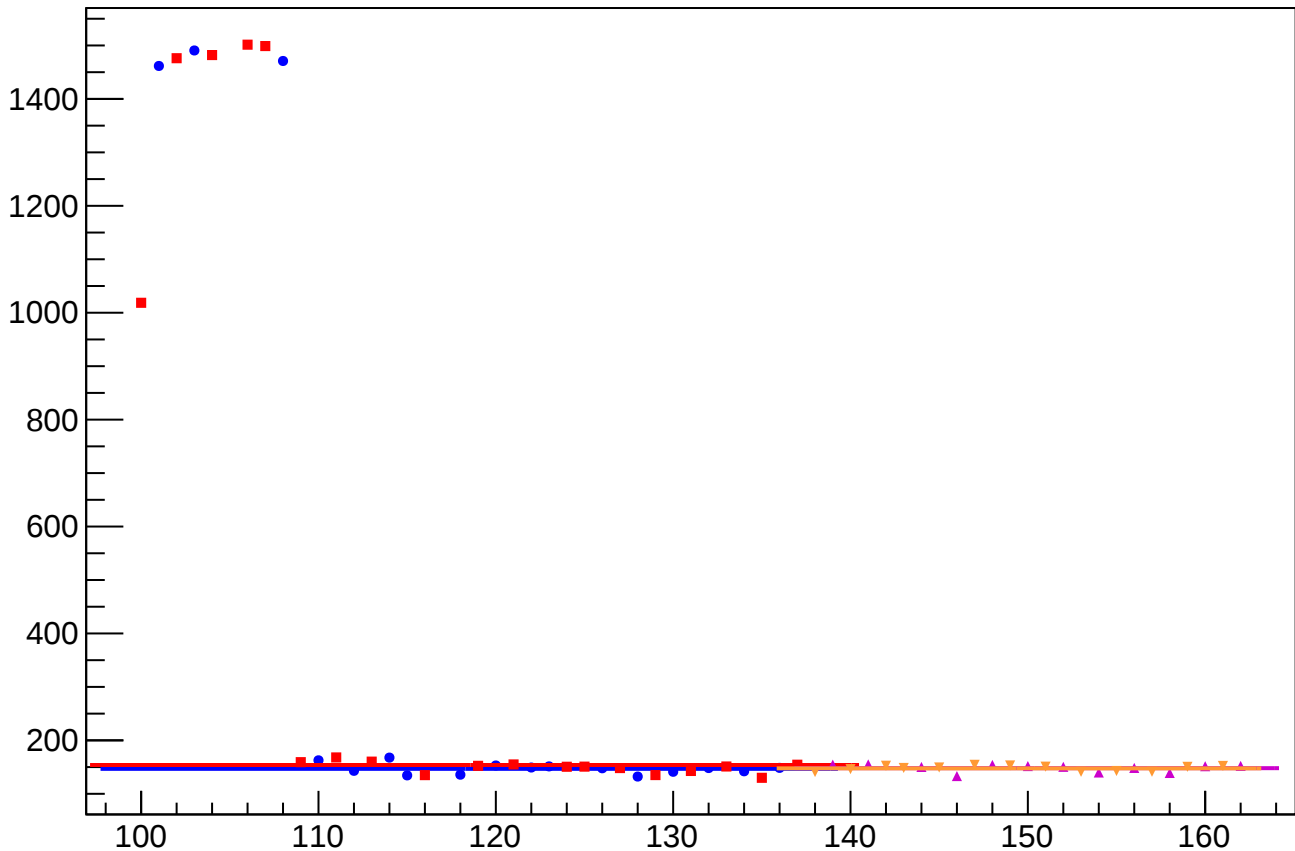
Left In: 0.444+/-0.000 χ^2/NDF : 431658.9/11

+ sign 0.010+/-0.000 χ^2/NDF : 27916597.6/29

All: 0.010+/-0.000 χ^2/NDF : 55504250.7/60

- sign 0.009+/-0.000 χ^2/NDF : 27586948.4/30

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 147.604+/-0.000 χ^2/NDF : 230051789.0/12

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

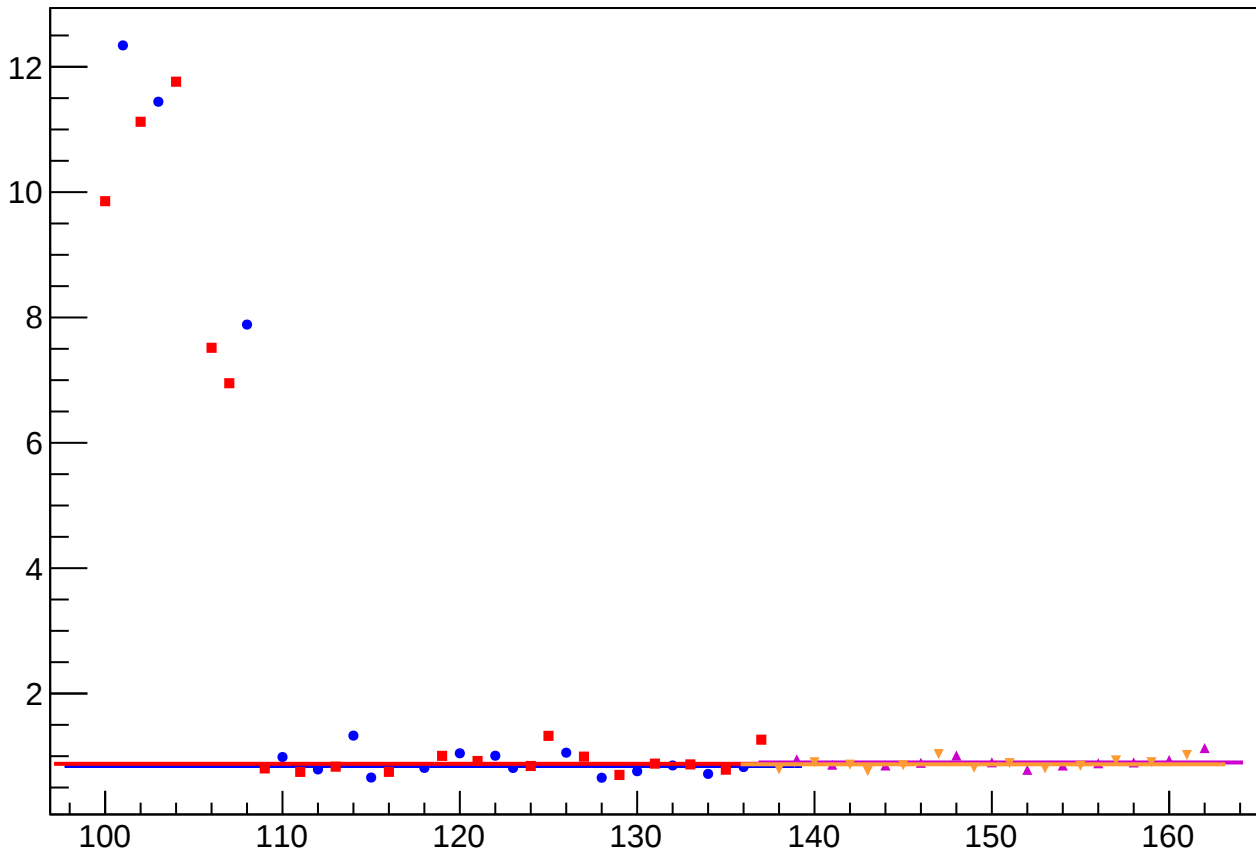
Left In: 147.963+/-0.000 χ^2/NDF : 448987097.8/11

+ sign 147.298+/-0.000 χ^2/NDF : 24583635080.1/29

All: 148.659+/-0.000 χ^2/NDF : 58948560595.0

- sign 150.068+/-0.000 χ^2/NDF : 34306790607.3/30

yield_bcm0l02_rms vs Slug



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.870+/-0.000 χ^2/NDF : 117099.6/12

Right Out: 0.878+/-0.000 χ^2/NDF : 2812500.6/18

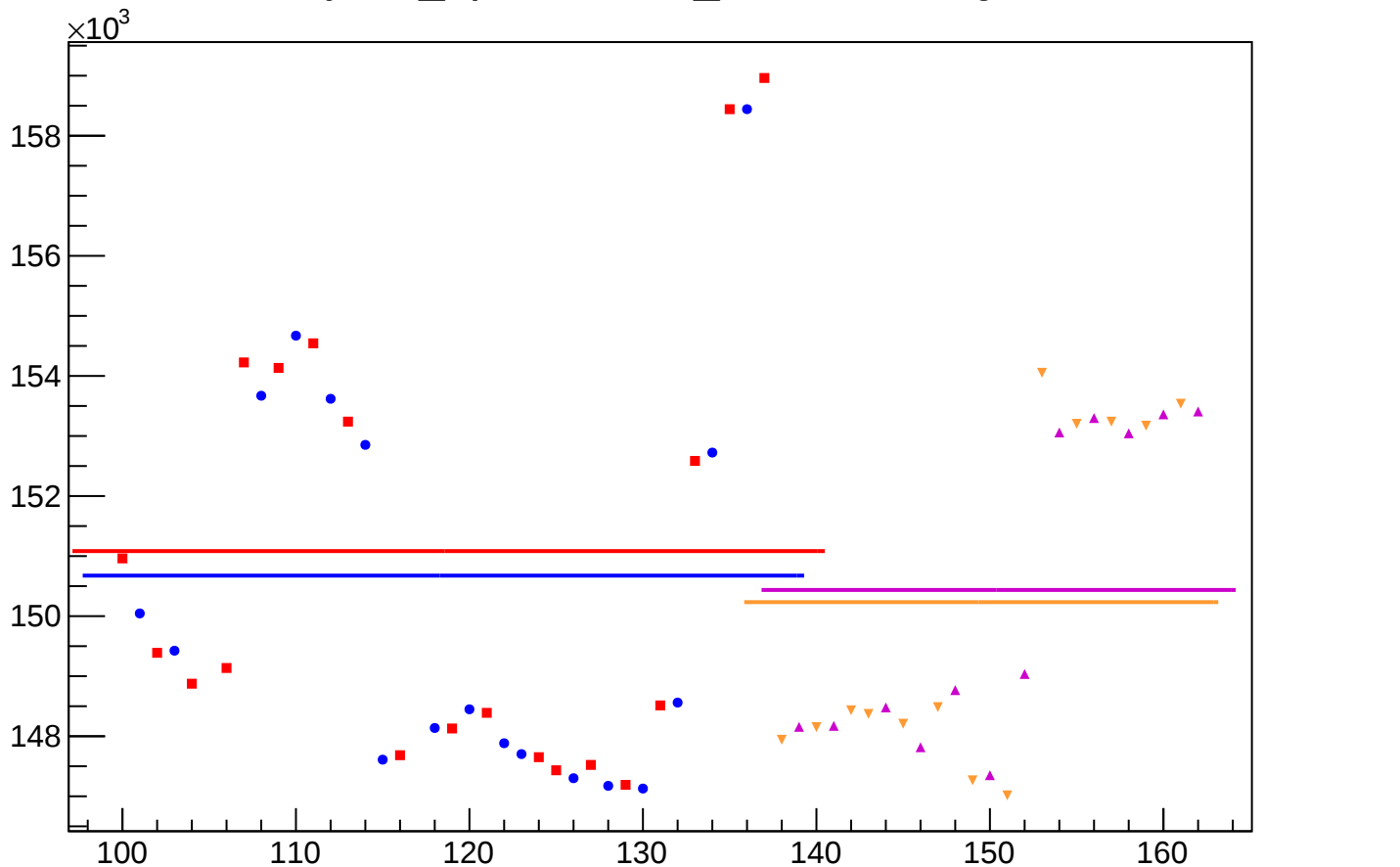
Left In: 0.900+/-0.000 χ^2/NDF : 117052.9/11

+ sign 0.861+/-0.000 χ^2/NDF : 2792573.6/29

All: 0.876+/-0.000 χ^2/NDF : 5739847.3/60

- sign 0.892+/-0.000 χ^2/NDF : 2932683.6/30

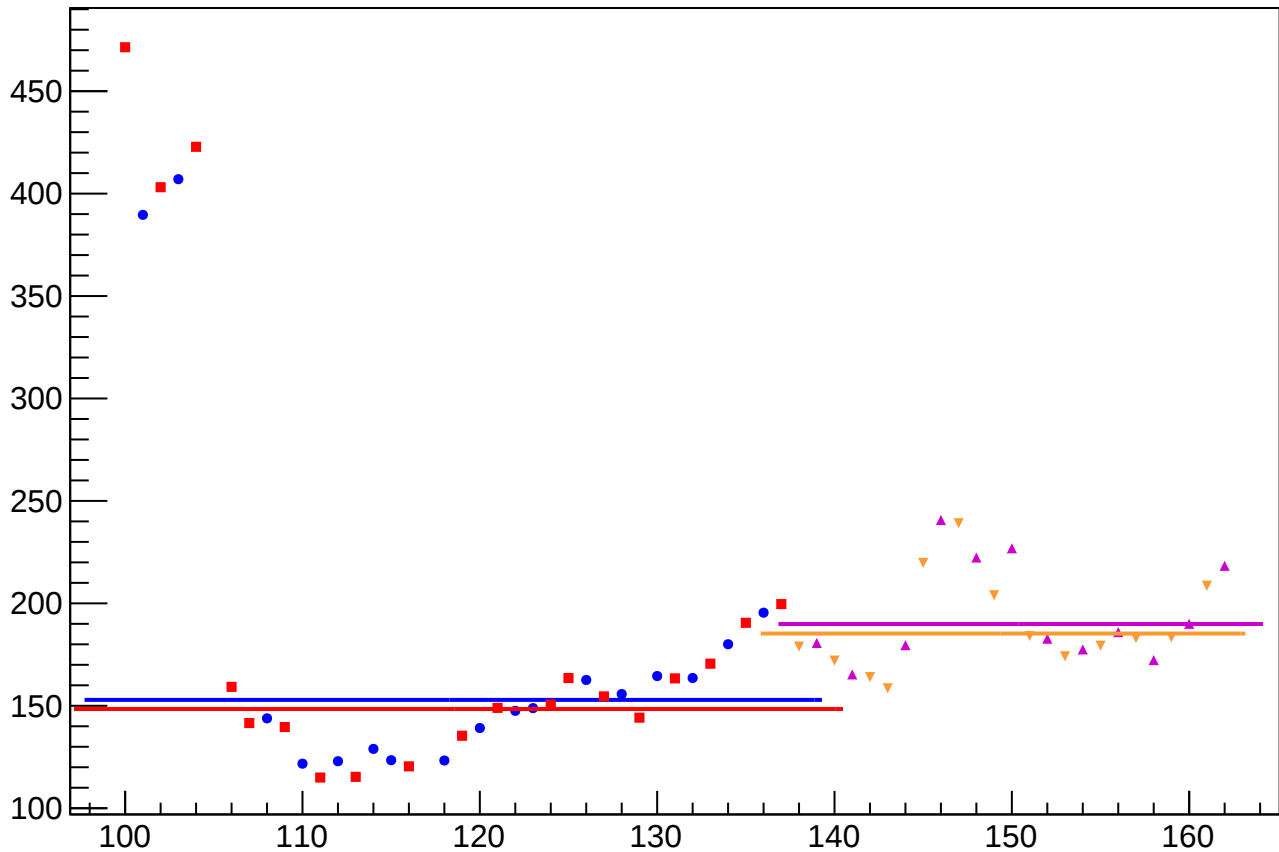
yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 ± 0.063 $\chi^2/\text{NDF}: 3309974859.4/16$
 Left Out: 150233.161 ± 0.060 $\chi^2/\text{NDF}: 2096841185.7/12$
 Right Out: 151083.268 ± 0.060 $\chi^2/\text{NDF}: 3300830370.5/18$
 Left In: 150436.135 ± 0.062 $\chi^2/\text{NDF}: 1588133794.3/11$

+ sign 150443.591 ± 0.043 $\chi^2/\text{NDF}: 5432612931.1$
 - sign 150770.654 ± 0.043 $\chi^2/\text{NDF}: 4945741288.0$
 All: 150609.139 ± 0.031 $\chi^2/\text{NDF}: 104070348$

yield_bpm0i01WS_rms vs Slug



Right In: 152.883+/-0.045 χ^2/NDF : 1154088.7/16

Left Out: 185.258+/-0.042 χ^2/NDF : 220730.7/12

Right Out: 148.418+/-0.042 χ^2/NDF : 1191577.6/18

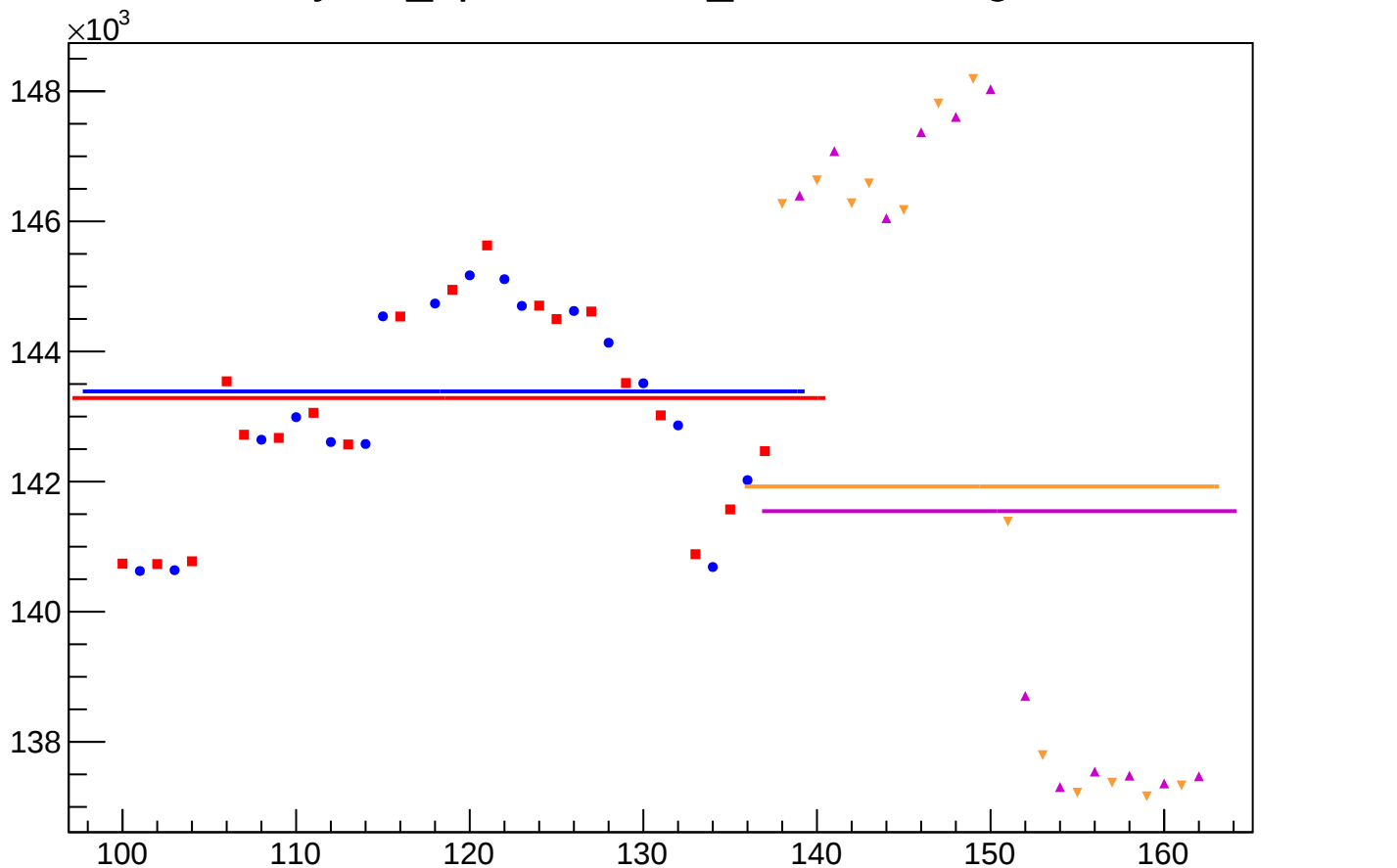
Left In: 189.915+/-0.044 χ^2/NDF : 250100.1/11

+ sign 169.840+/-0.031 χ^2/NDF : 1651793.4/29

All: 169.144+/-0.022 χ^2/NDF : 3561419.6/60

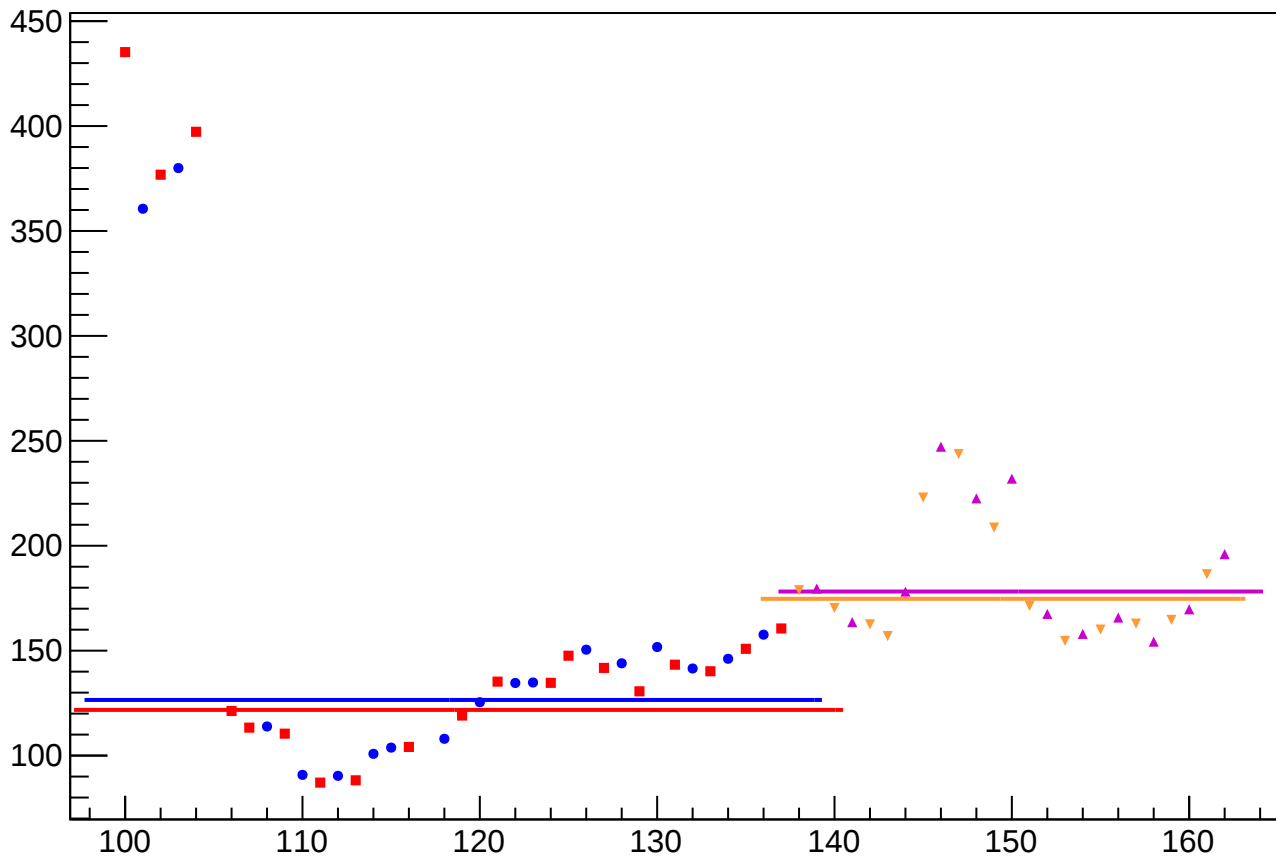
- sign 168.464+/-0.030 χ^2/NDF : 1908611.3/30

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099+/-0.053	χ^2/NDF : 521299875.7/16	+ sign 142710.786+/-0.039	χ^2/NDF : 7205193970.5
Left Out: 141924.913+/-0.057	χ^2/NDF : 6328151269.5/12	All: 142634.054+/-0.027	χ^2/NDF : 146797077
Right Out: 143284.757+/-0.049	χ^2/NDF : 608634820.1/18	- sign 142561.715+/-0.038	χ^2/NDF : 7466857796.9/11
Left In: 141545.706+/-0.058	χ^2/NDF : 6336667480.0/11		

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 ± 0.037 $\chi^2/\text{NDF}: 1441685.0/16$

Left Out: 174.712 ± 0.040 $\chi^2/\text{NDF}: 321221.8/12$

Right Out: 121.772 ± 0.035 $\chi^2/\text{NDF}: 1463829.4/18$

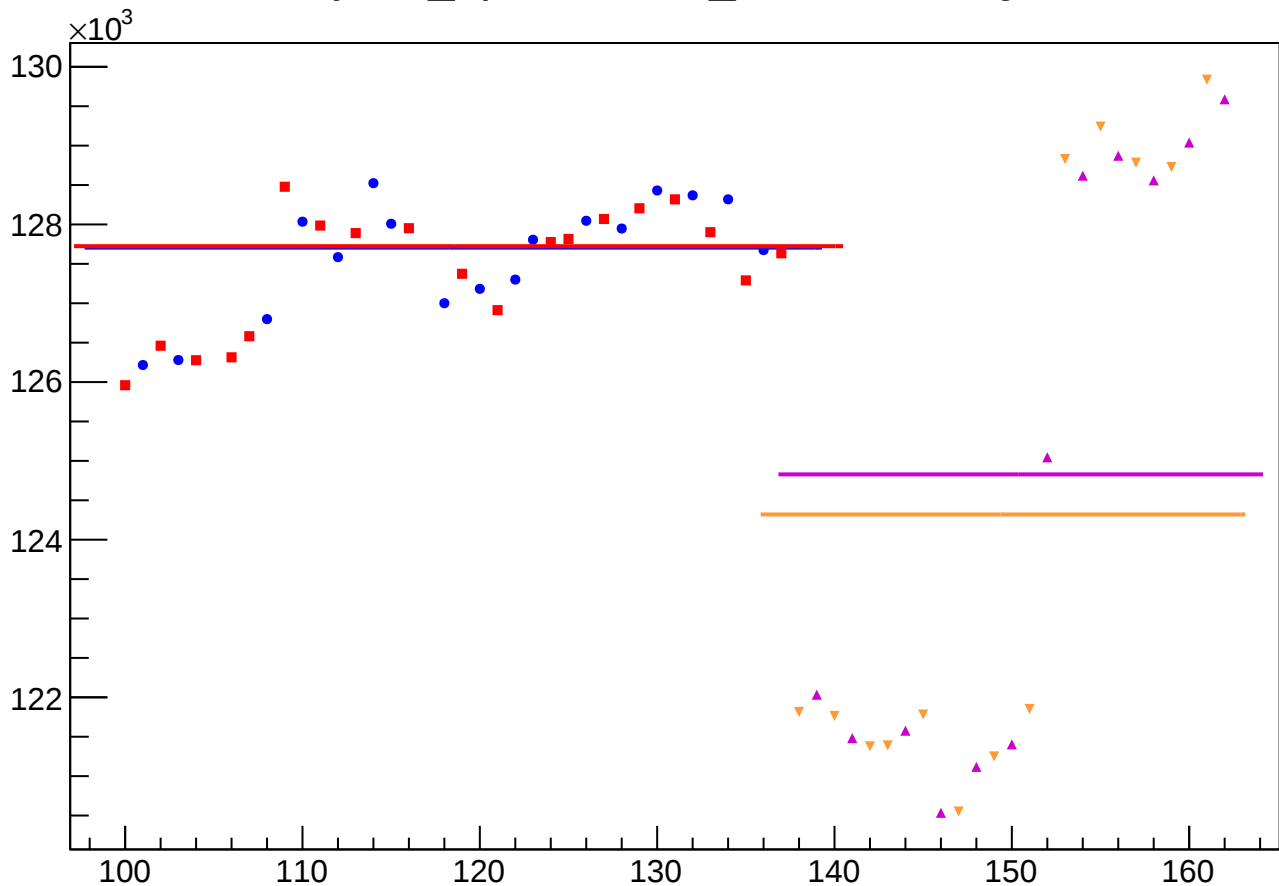
Left In: 178.184 ± 0.041 $\chi^2/\text{NDF}: 388345.4/11$

+ sign 148.807 ± 0.027 $\chi^2/\text{NDF}: 2535977.3/29$

All: 146.964 ± 0.019 $\chi^2/\text{NDF}: 5494592.6/60$

- sign 145.226 ± 0.027 $\chi^2/\text{NDF}: 2949779.6/30$

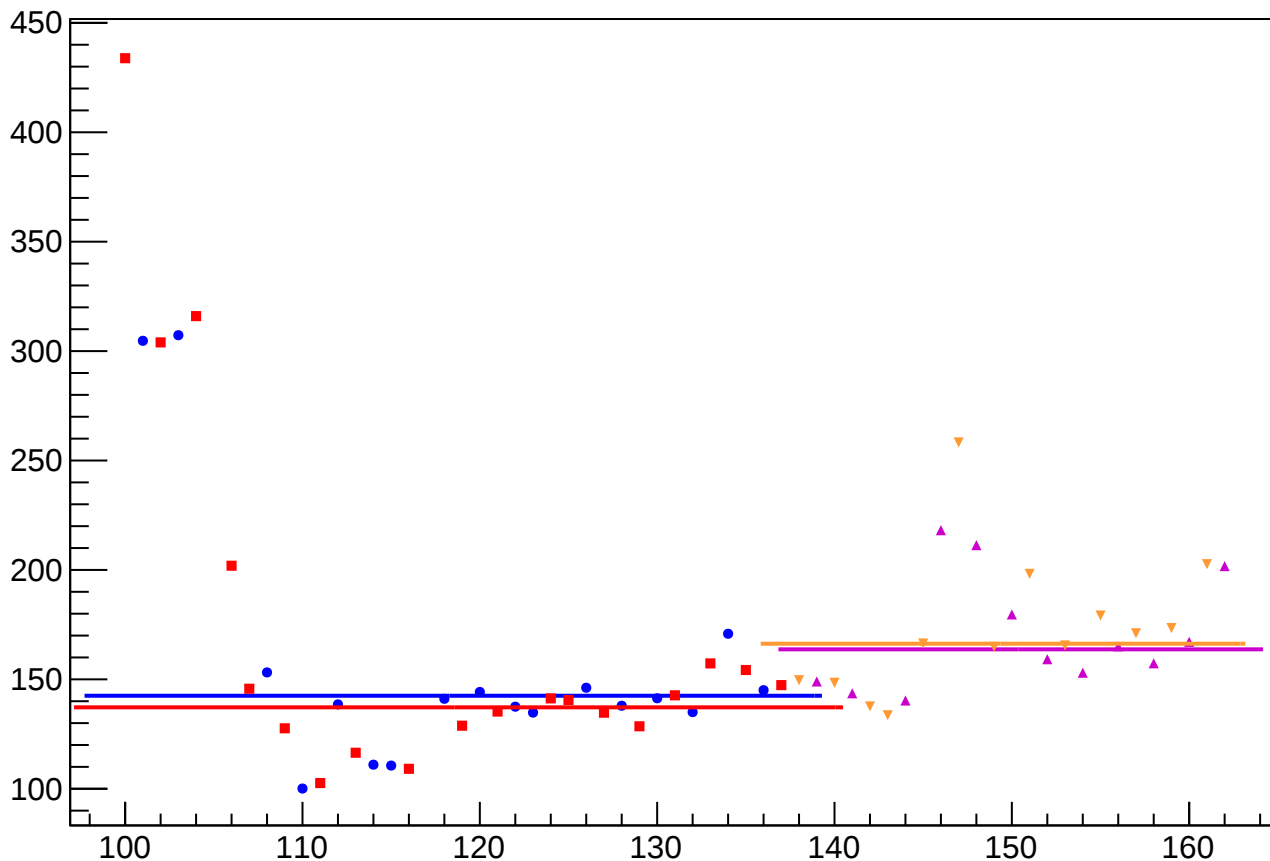
yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16
 Left Out: 124320.296 $\pm$ 0.055 χ^2 /NDF: 4410888771.7/12
 Right Out: 127724.256 $\pm$ 0.055 χ^2 /NDF: 112614317.2/18
 Left In: 124828.756 $\pm$ 0.054 χ^2 /NDF: 4314659964.8/11

+ sign 125913.592 $\pm$ 0.040 χ^2 /NDF: 6309338255.7
 All: 126091.186 $\pm$ 0.028 χ^2 /NDF: 122055525
 - sign 126255.173 $\pm$ 0.038 χ^2 /NDF: 5857970903.7

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 ± 0.041 χ^2/NDF : 836263.7/16

Left Out: 166.290 ± 0.039 χ^2/NDF : 449875.2/12

Right Out: 137.211 ± 0.039 χ^2/NDF : 957317.1/18

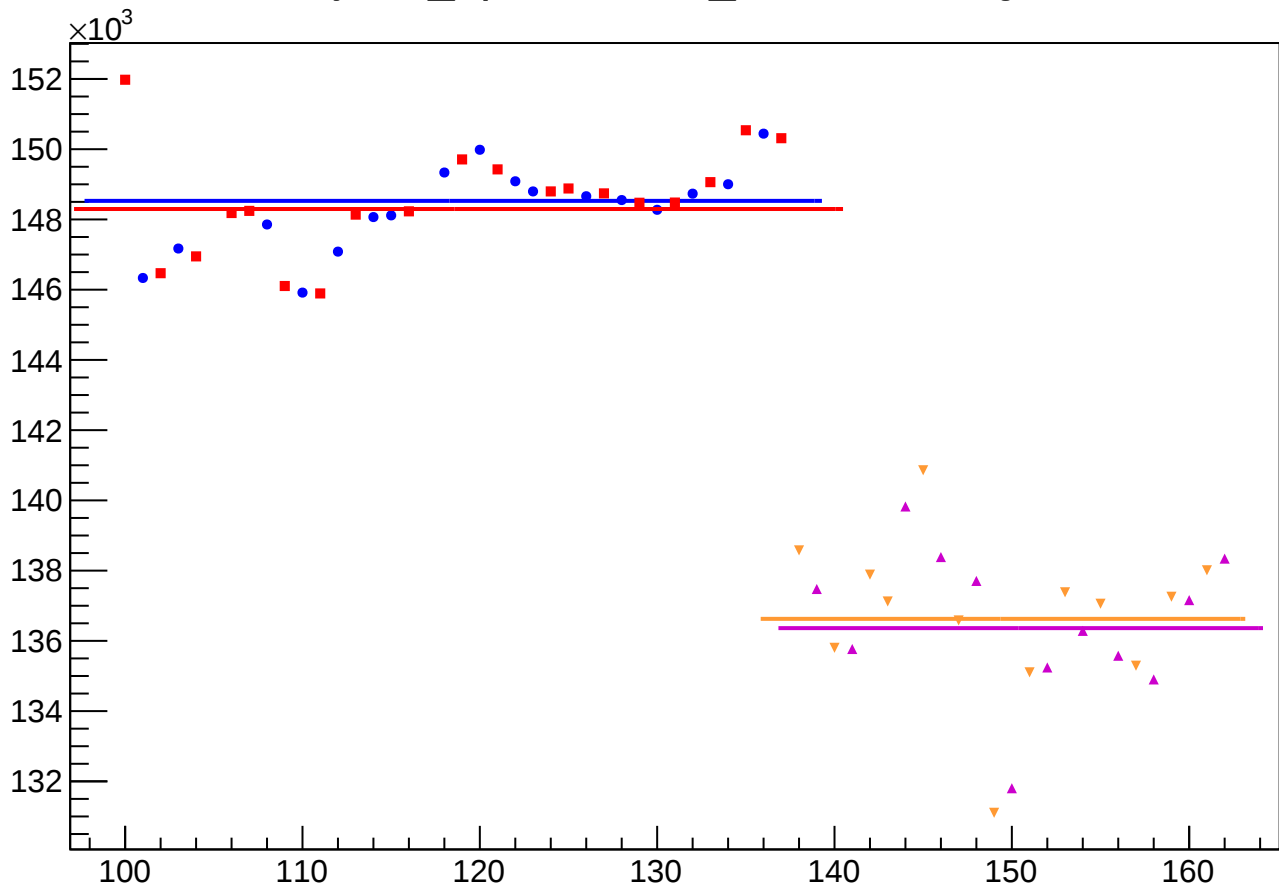
Left In: 163.712 ± 0.038 χ^2/NDF : 347577.7/11

+ sign 155.096 ± 0.028 χ^2/NDF : 1463896.8/29

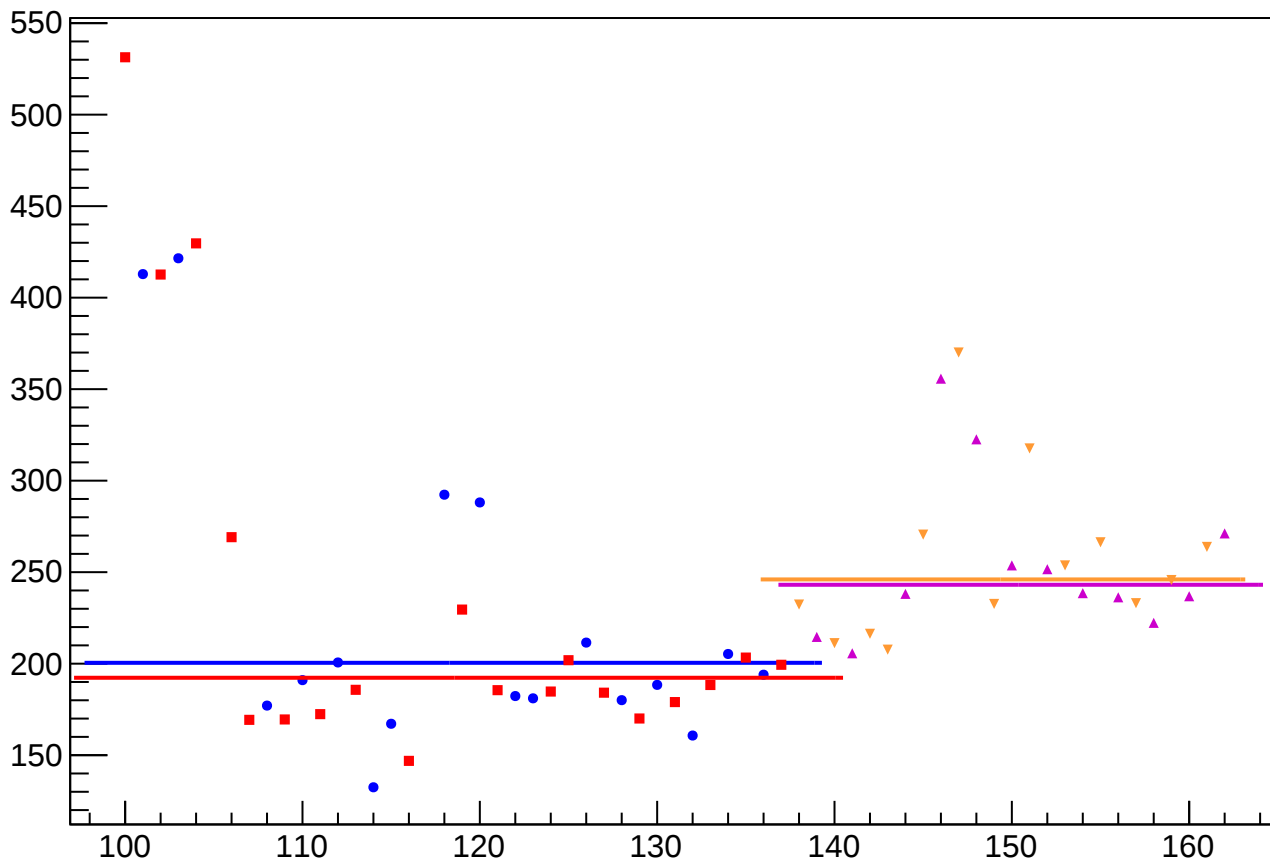
All: 152.788 ± 0.020 χ^2/NDF : 3021388.3/60

- sign 150.657 ± 0.027 χ^2/NDF : 1544573.9/30

yield_bpm0l02WS_mean vs Slug



yield_bpm0l02WS_rms vs Slug



Right In: 200.472 ± 0.058 $\chi^2/\text{NDF}: 936547.2/16$

Left Out: 246.036 ± 0.057 $\chi^2/\text{NDF}: 398391.8/12$

Right Out: 192.304 ± 0.054 $\chi^2/\text{NDF}: 844504.1/18$

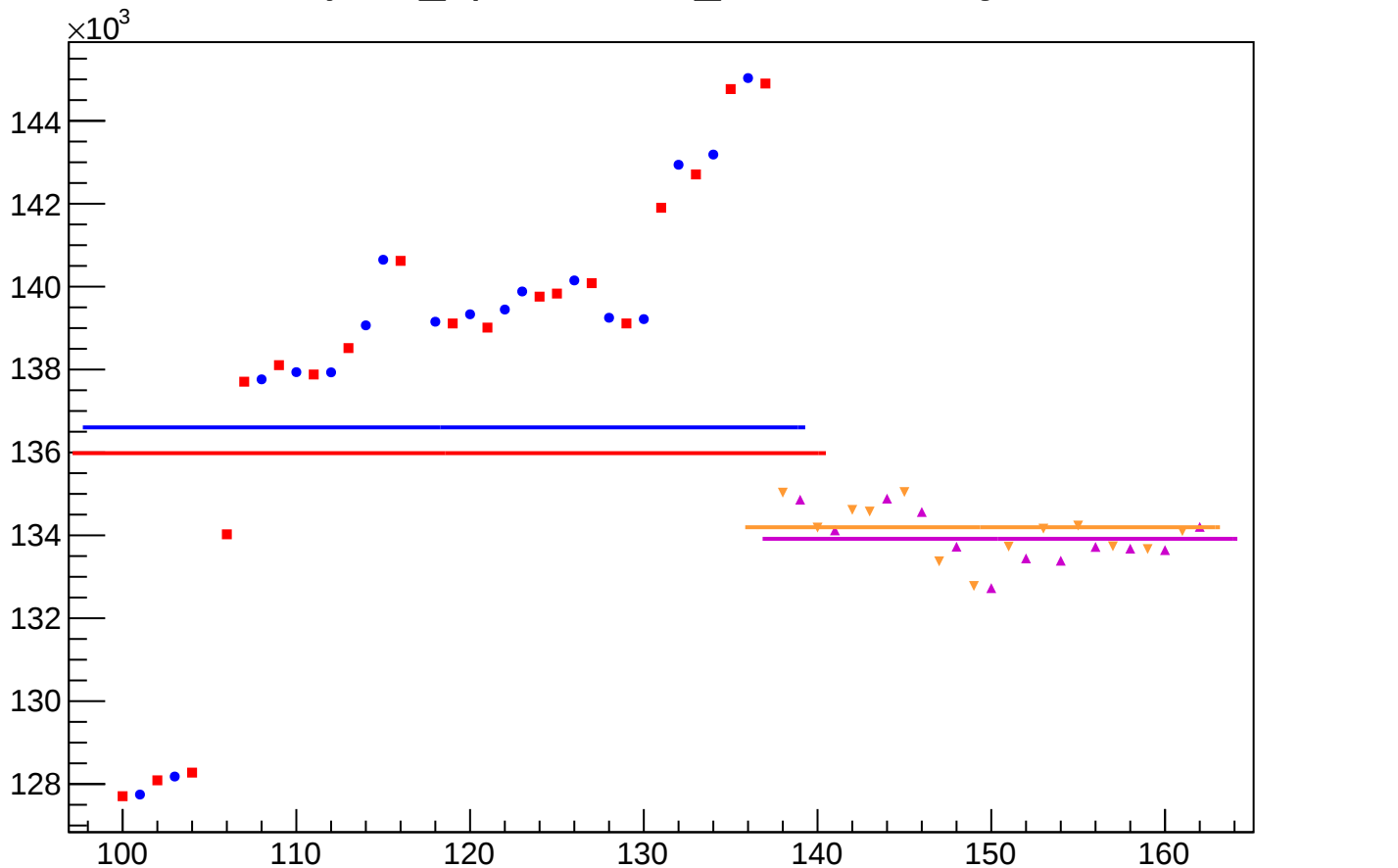
Left In: 243.116 ± 0.056 $\chi^2/\text{NDF}: 368255.0/11$

+ sign 223.713 ± 0.041 $\chi^2/\text{NDF}: 1649369.7/29$

All: 220.060 ± 0.028 $\chi^2/\text{NDF}: 3302259.6/60$

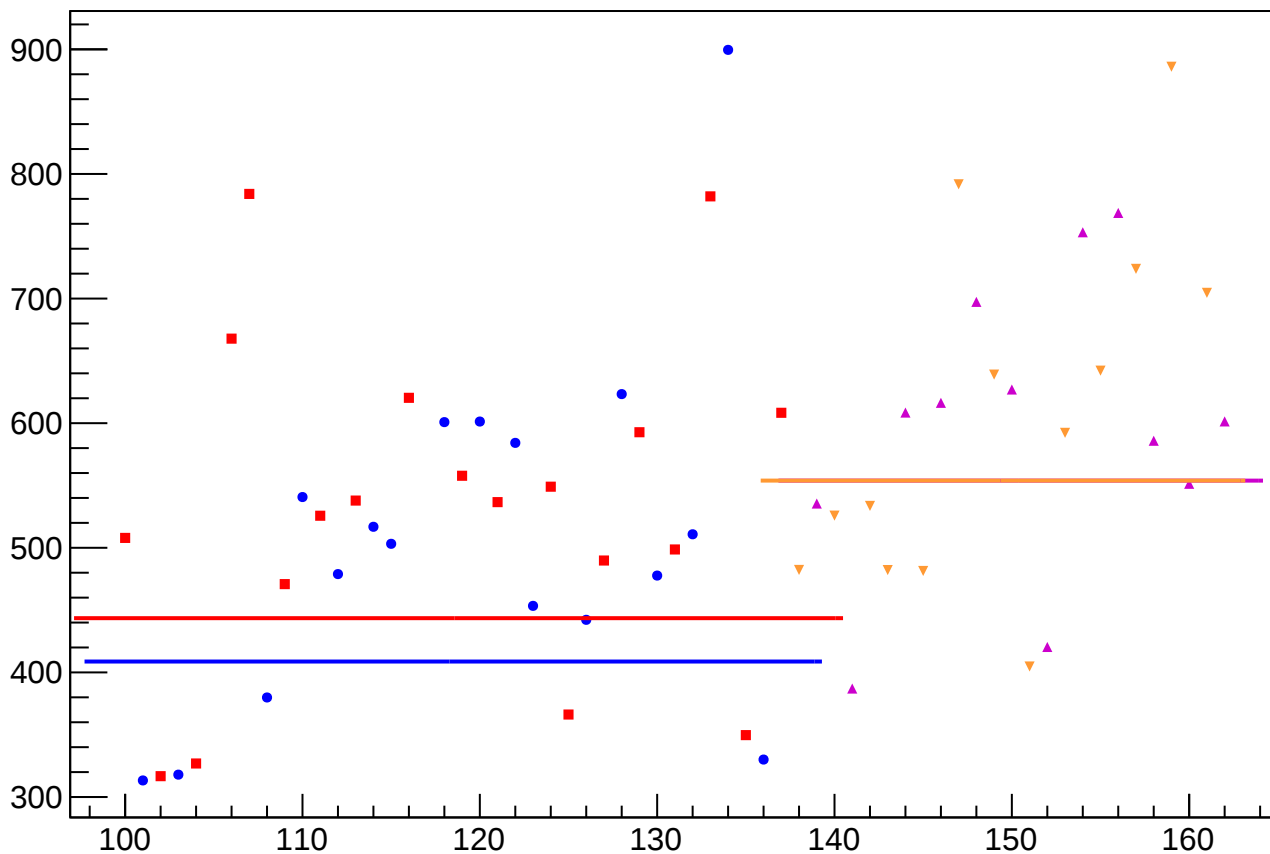
- sign 216.699 ± 0.039 $\chi^2/\text{NDF}: 1637360.3/30$

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171	χ^2 /NDF: 1494354557.3/16	+ sign 135532.500 $\pm$ 0.128	χ^2 /NDF: 1593123701.2
Left Out: 134195.608 $\pm$ 0.191	χ^2 /NDF: 10892839.6/12	All: 135287.598 $\pm$ 0.092	χ^2 /NDF: 275201312
Right Out: 135982.842 $\pm$ 0.183	χ^2 /NDF: 1082431147.9/18	- sign 135020.015 $\pm$ 0.133	χ^2 /NDF: 1151194559.7
Left In: 133916.695 $\pm$ 0.196	χ^2 /NDF: 9154575.0/11		

yield_bpm0l03WS_rms vs Slug



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 553.930+/-0.135 χ^2/NDF : 800400.7/12

Right Out: 443.521+/-0.129 χ^2/NDF : 917492.4/18

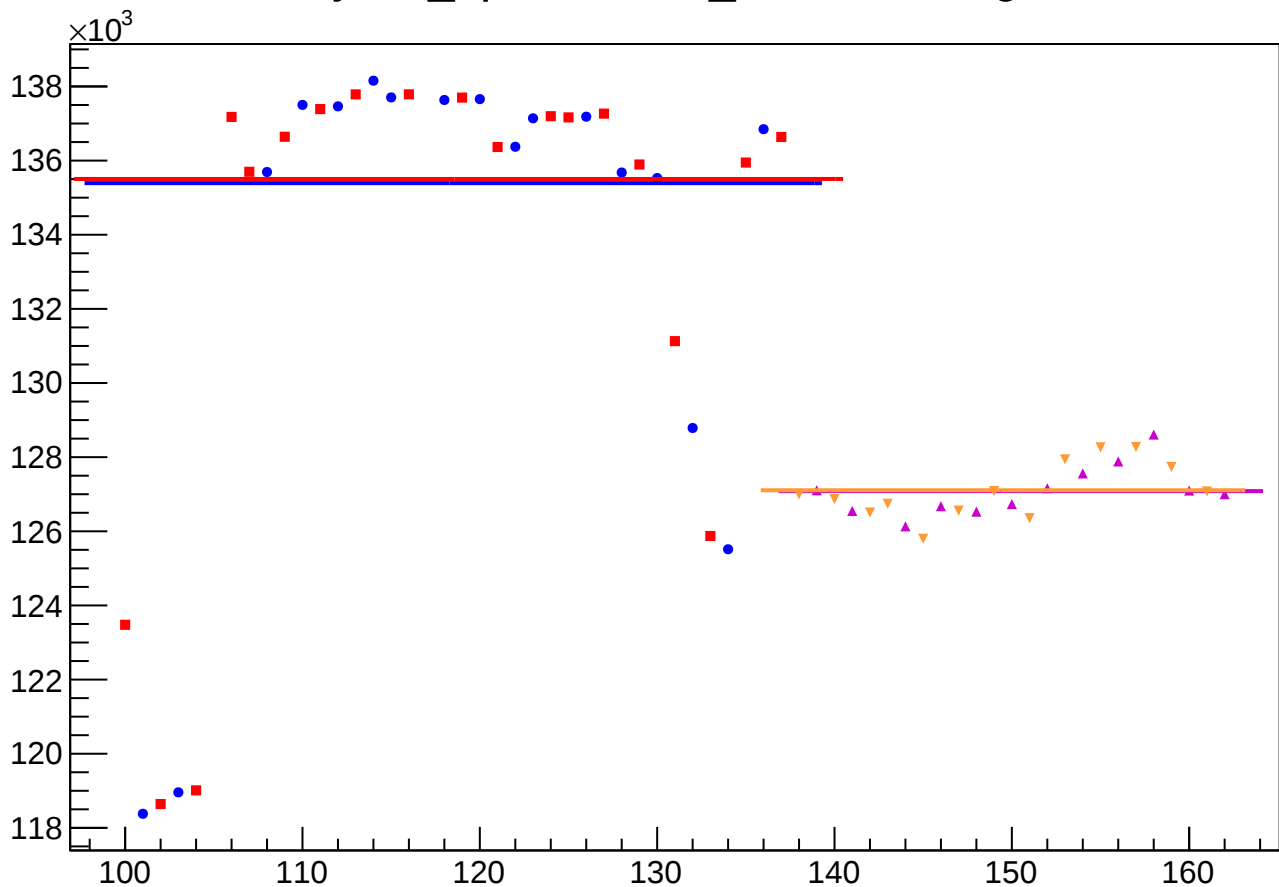
Left In: 553.905+/-0.138 χ^2/NDF : 704906.6/11

+ sign 473.351+/-0.090 χ^2/NDF : 2262160.7/29

All: 483.677+/-0.065 χ^2/NDF : 4252195.8/60

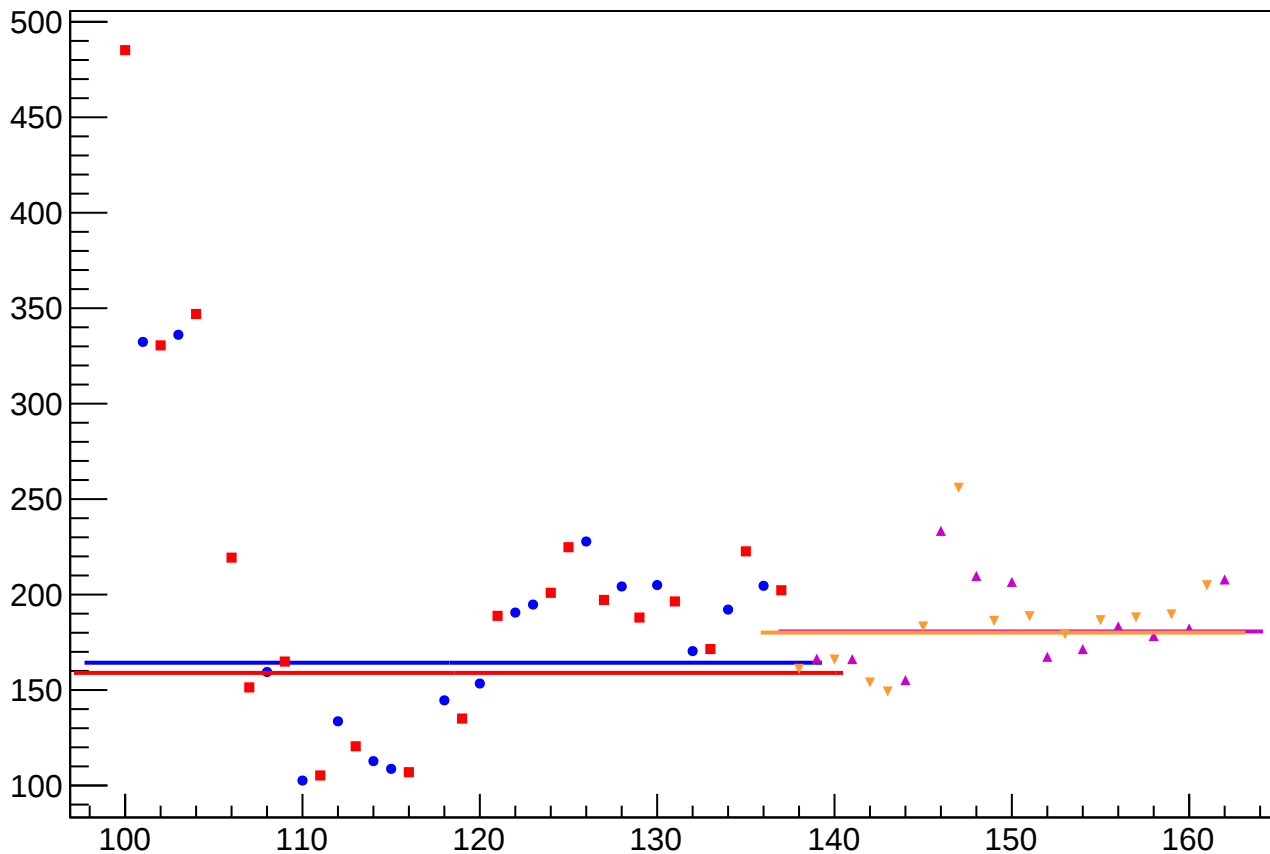
- sign 494.960+/-0.094 χ^2/NDF : 1962673.0/30

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127107.143 $\pm$ 0.059 χ^2 /NDF: 150826182.7/12
 Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18
 Left In: 127084.249 $\pm$ 0.059 χ^2 /NDF: 131481167.3/11
 All: 130778.556 $\pm$ 0.031 χ^2 /NDF: 273905961
 + sign 130628.725 $\pm$ 0.045 χ^2 /NDF: 13197897330.
 - sign 130921.468 $\pm$ 0.043 χ^2 /NDF: 14170556253.1

yield_bpm0l04WS_rms vs Slug



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 180.086+/-0.042 χ^2/NDF : 284050.6/12

Right Out: 158.977+/-0.046 χ^2/NDF : 1384059.2/18

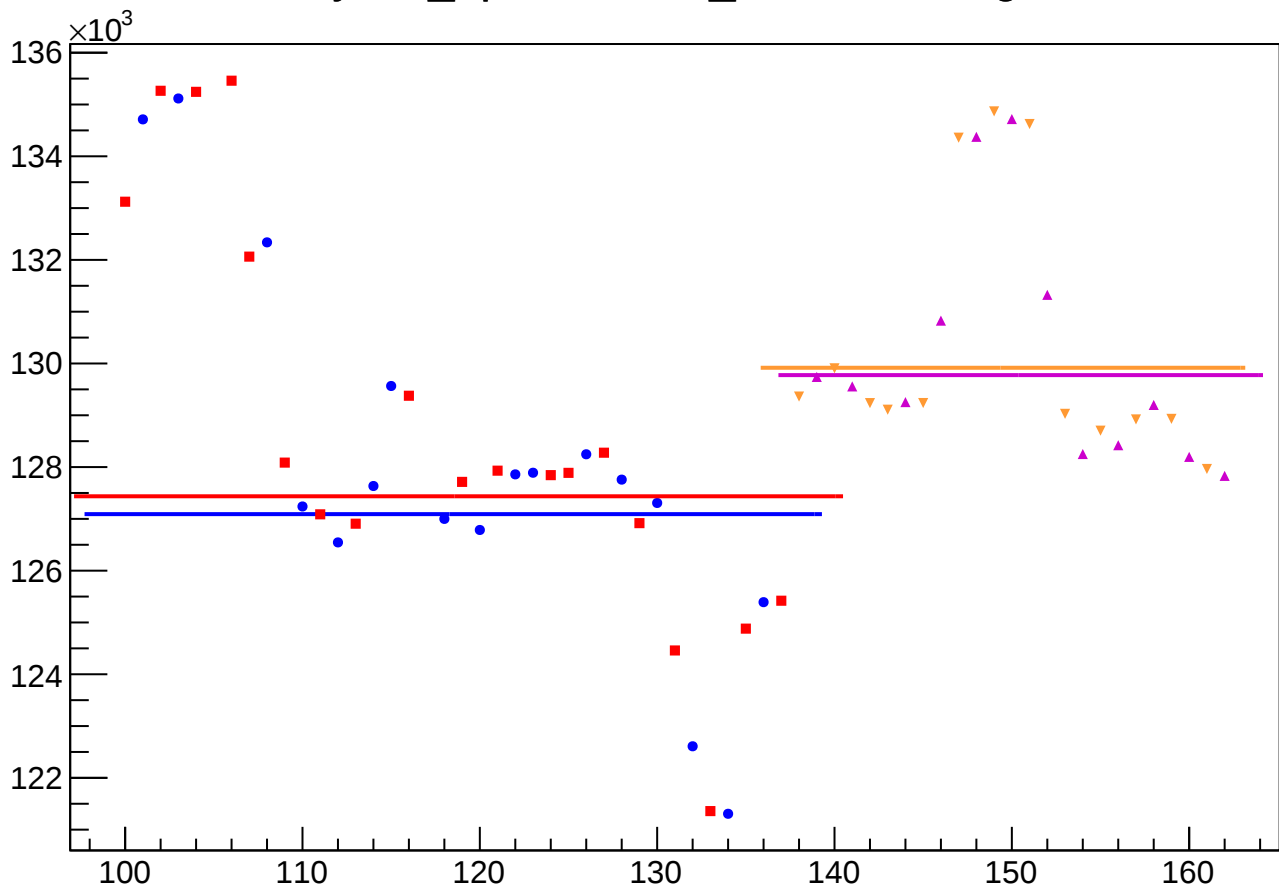
Left In: 180.669+/-0.042 χ^2/NDF : 246801.9/11

+ sign 173.380+/-0.031 χ^2/NDF : 1575940.1/29

All: 172.052+/-0.022 χ^2/NDF : 3333820.0/60

- sign 170.784+/-0.031 χ^2/NDF : 1754396.7/30

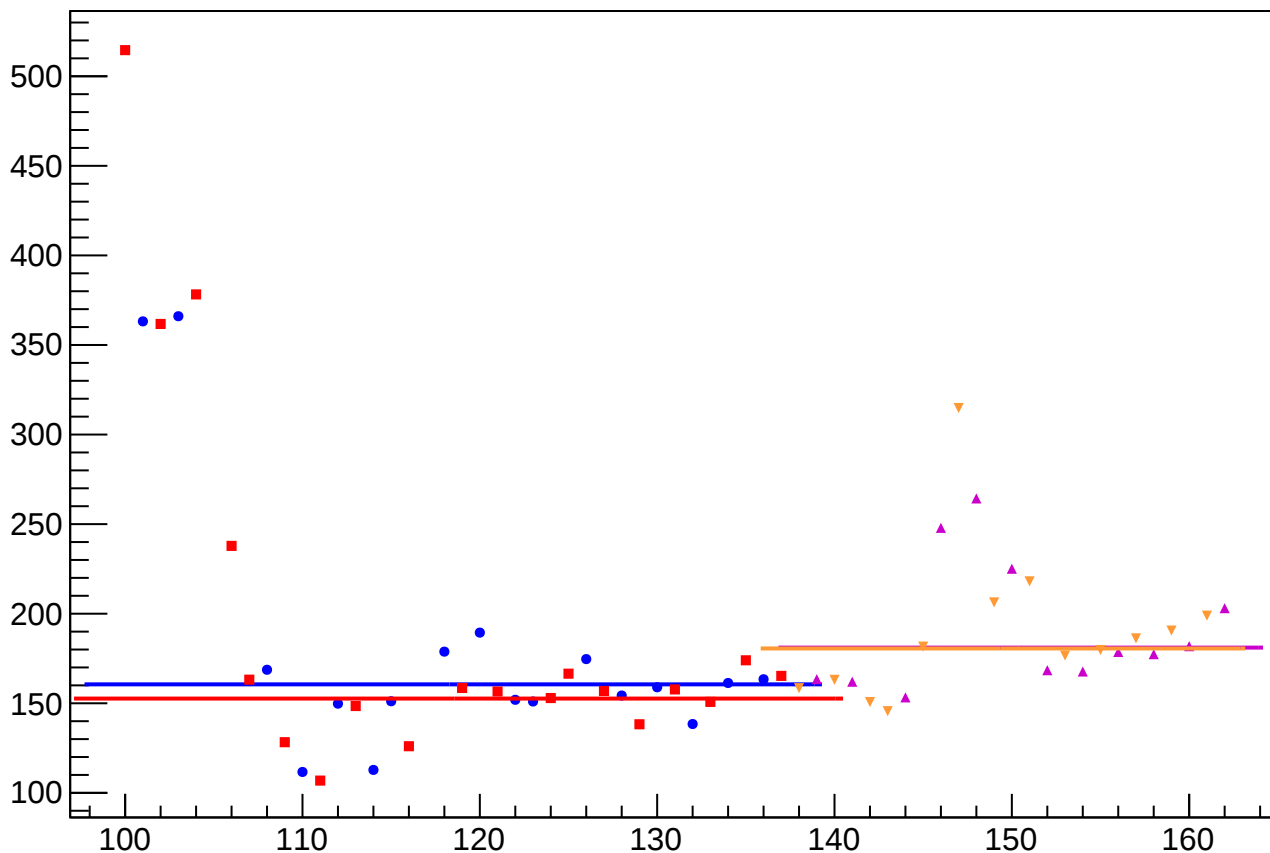
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$
 Left Out: 129917.510 ± 0.059 $\chi^2/\text{NDF}: 1186138153.1/12$
 Right Out: 127436.101 ± 0.062 $\chi^2/\text{NDF}: 2079075713.9/18$
 Left In: 129775.523 ± 0.059 $\chi^2/\text{NDF}: 988670428.7/11$

+ sign 128658.711 ± 0.044 $\chi^2/\text{NDF}: 3910807538.1$
 All: 128652.396 ± 0.031 $\chi^2/\text{NDF}: 772616816$
 - sign 128646.500 ± 0.043 $\chi^2/\text{NDF}: 3815321251.0$

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 180.600 $\pm$ 0.042 χ^2 /NDF: 523235.2/12

Right Out: 152.629 $\pm$ 0.044 χ^2 /NDF: 1086504.4/18

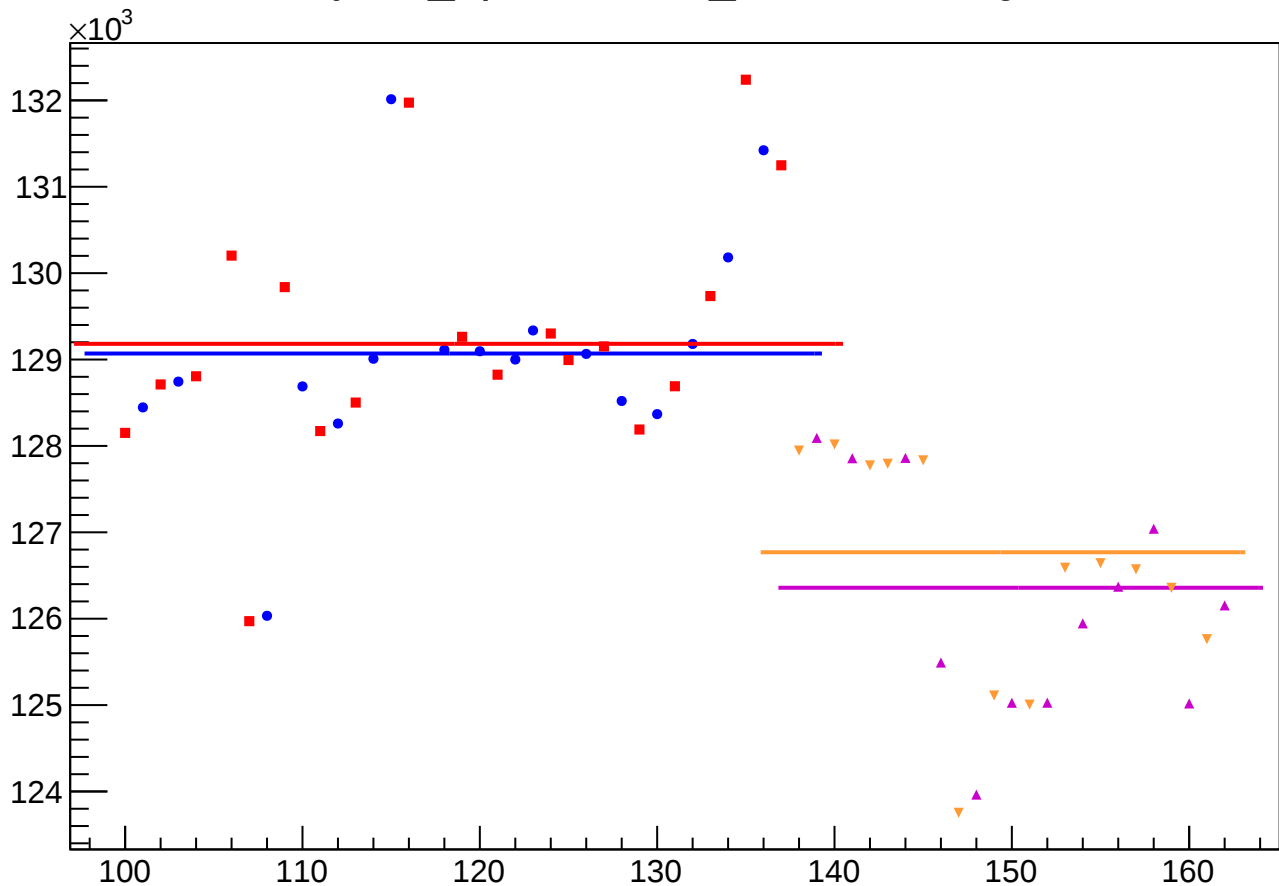
Left In: 181.076 $\pm$ 0.042 χ^2 /NDF: 465916.1/11

+ sign 171.675 $\pm$ 0.031 χ^2 /NDF: 1567264.7/29

All: 169.437 $\pm$ 0.022 χ^2 /NDF: 3350661.4/60

- sign 167.347 $\pm$ 0.030 χ^2 /NDF: 1773500.9/30

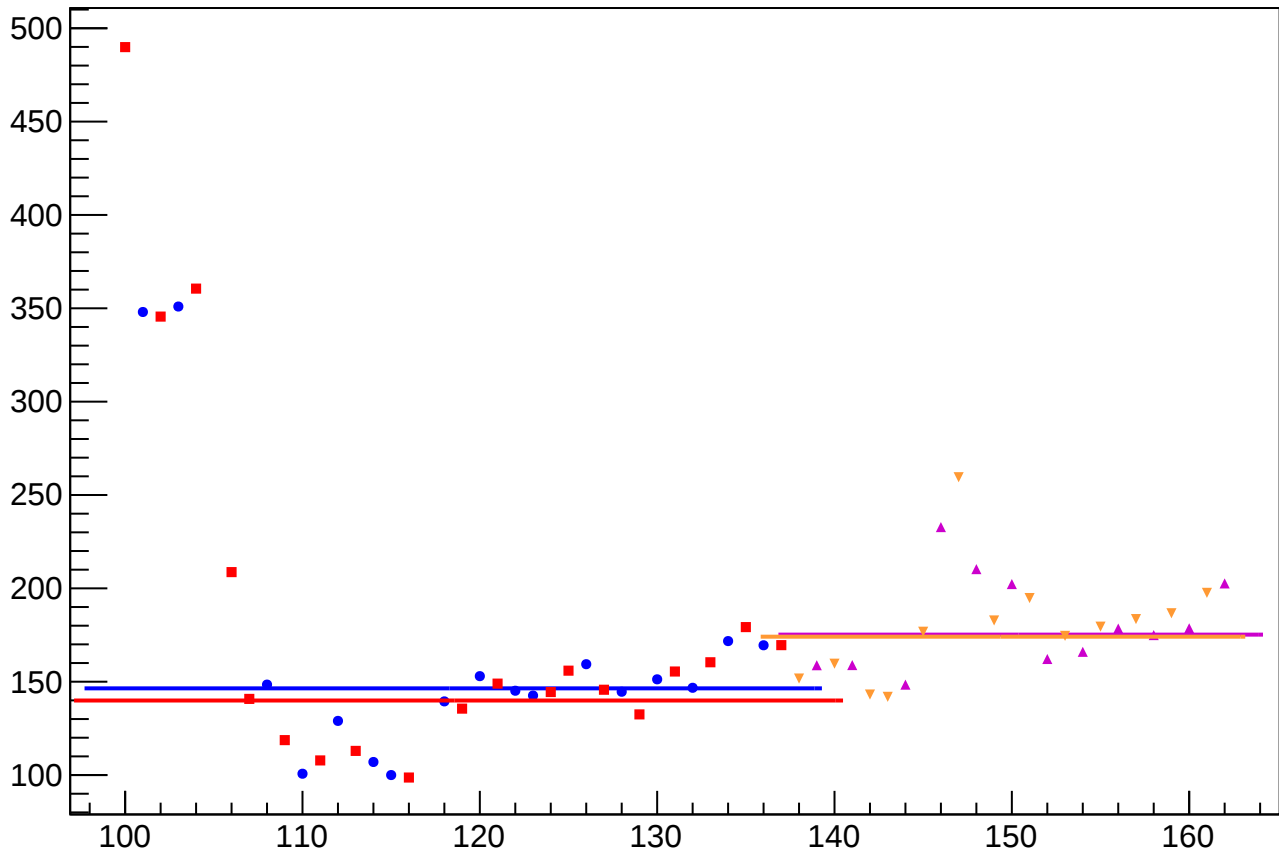
yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$
 Left Out: 126769.059 ± 0.057 $\chi^2/\text{NDF}: 432286586.8/12$
 Right Out: 129181.887 ± 0.056 $\chi^2/\text{NDF}: 625597399.6/18$
 Left In: 126358.256 ± 0.057 $\chi^2/\text{NDF}: 507199569.1/11$

+ sign 127855.088 ± 0.041 $\chi^2/\text{NDF}: 1680784784.2/12$
 All: 127825.588 ± 0.029 $\chi^2/\text{NDF}: 405664140.0/12$
 - sign 127797.900 ± 0.040 $\chi^2/\text{NDF}: 2374869514.7/12$

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 χ^2/NDF : 1064791.0/16

Left Out: 174.113 ± 0.040 χ^2/NDF : 374561.5/12

Right Out: 139.929 ± 0.040 χ^2/NDF : 1203570.9/18

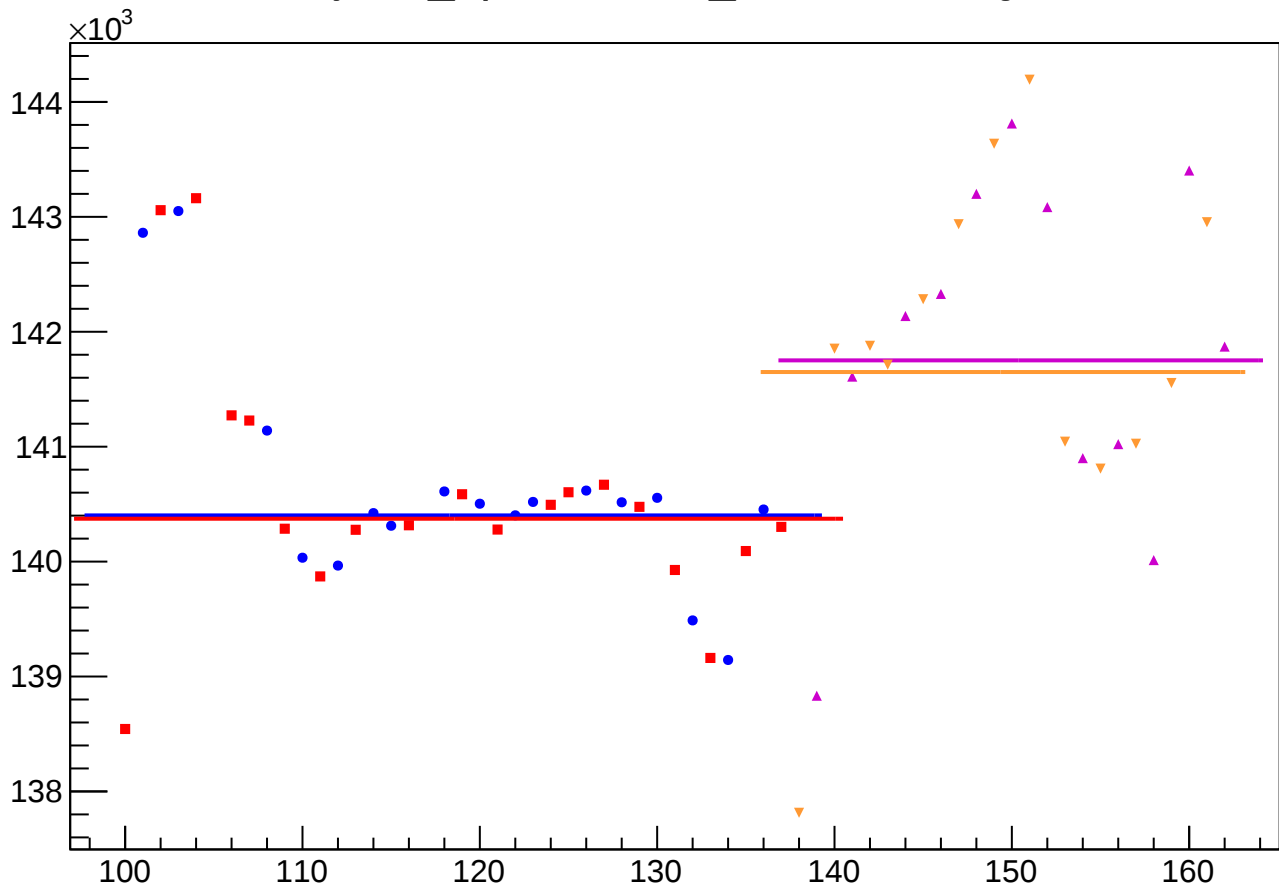
Left In: 175.215 ± 0.040 χ^2/NDF : 301770.3/11

+ sign 161.049 ± 0.029 χ^2/NDF : 1662739.4/29

All: 159.076 ± 0.020 χ^2/NDF : 3564839.6/60

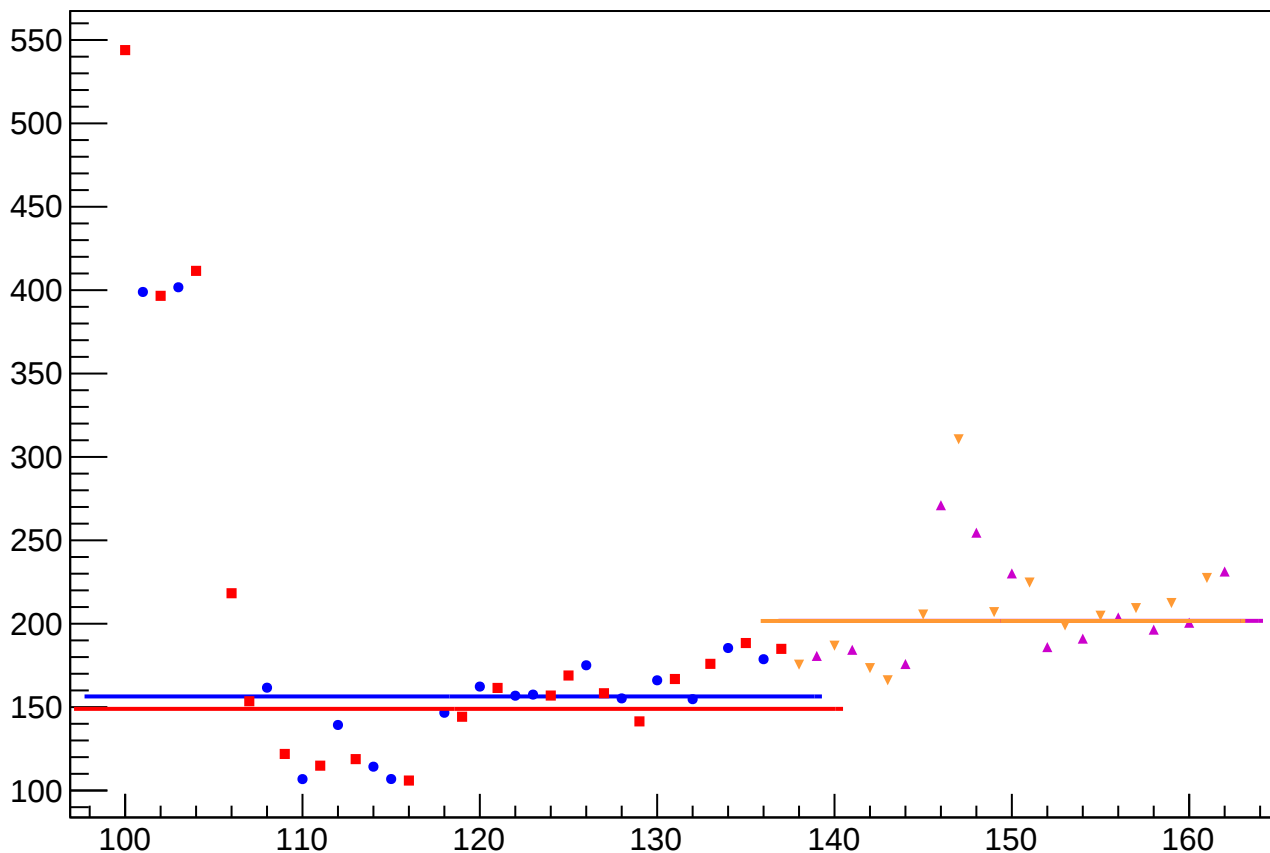
- sign 157.224 ± 0.028 χ^2/NDF : 1893270.4/30

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010+/-0.064	χ^2/NDF : 88071774.7/16	+ sign 141009.813+/-0.046	χ^2/NDF : 855038405.8/2
Left Out: 141649.713+/-0.066	χ^2/NDF : 583816440.8/12	All: 141002.376+/-0.032	χ^2/NDF : 165697597
Right Out: 140373.163+/-0.060	χ^2/NDF : 99854533.3/18	- sign 140995.496+/-0.044	χ^2/NDF : 801887422.7/3
Left In: 141751.090+/-0.066	χ^2/NDF : 462642106.1/11		

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 ± 0.046 χ^2/NDF : 1154804.2/16

Left Out: 201.648 ± 0.047 χ^2/NDF : 358033.4/12

Right Out: 148.949 ± 0.042 χ^2/NDF : 1307651.5/18

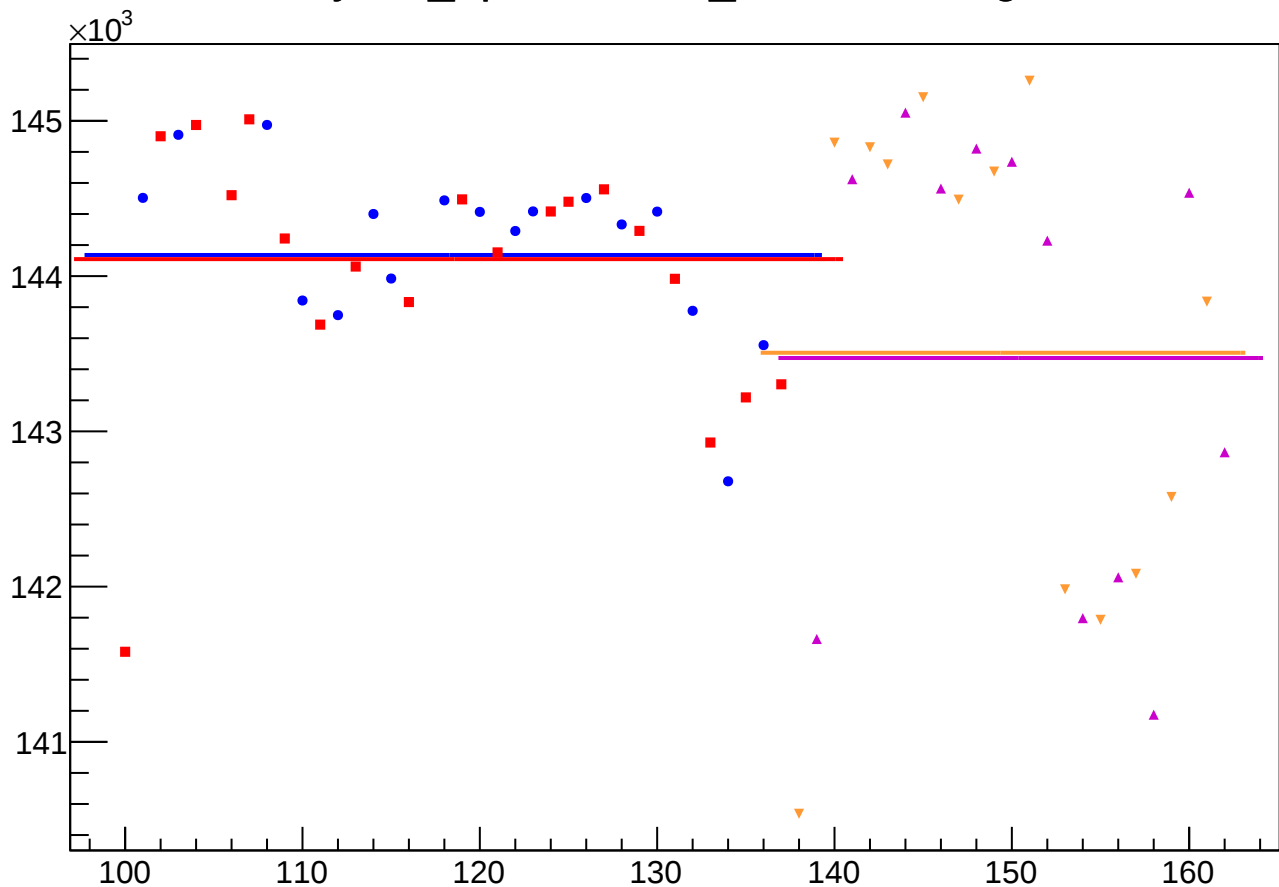
Left In: 201.724 ± 0.047 χ^2/NDF : 308255.2/11

+ sign 178.439 ± 0.033 χ^2/NDF : 1994709.1/29

All: 175.502 ± 0.023 χ^2/NDF : 4328580.4/60

- sign 172.785 ± 0.031 χ^2/NDF : 2318231.7/30

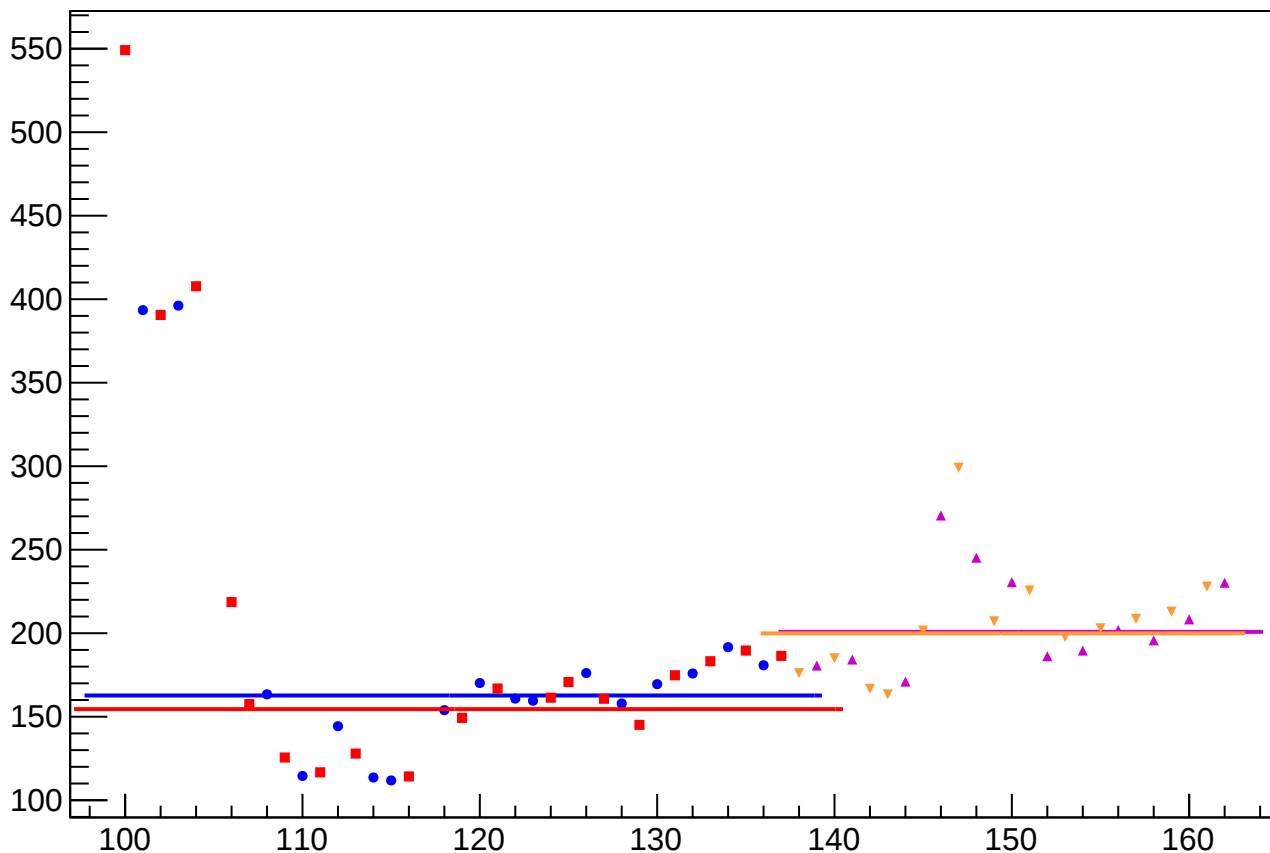
yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 ± 0.067 $\chi^2/\text{NDF}: 47069480.3/16$
 Left Out: 143506.342 ± 0.065 $\chi^2/\text{NDF}: 585370511.3/12$
 Right Out: 144109.419 ± 0.062 $\chi^2/\text{NDF}: 65258627.2/18$
 Left In: 143472.528 ± 0.066 $\chi^2/\text{NDF}: 486638932.8/11$

+ sign 143814.714 ± 0.047 $\chi^2/\text{NDF}: 677842897.0/2$
 All: 143812.246 ± 0.032 $\chi^2/\text{NDF}: 127957430$
 - sign 143809.953 ± 0.045 $\chi^2/\text{NDF}: 601726029.6/3$

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 ± 0.047 χ^2/NDF : 1066482.0/16

Left Out: 199.900 ± 0.046 χ^2/NDF : 359134.8/12

Right Out: 154.547 ± 0.044 χ^2/NDF : 1217495.9/18

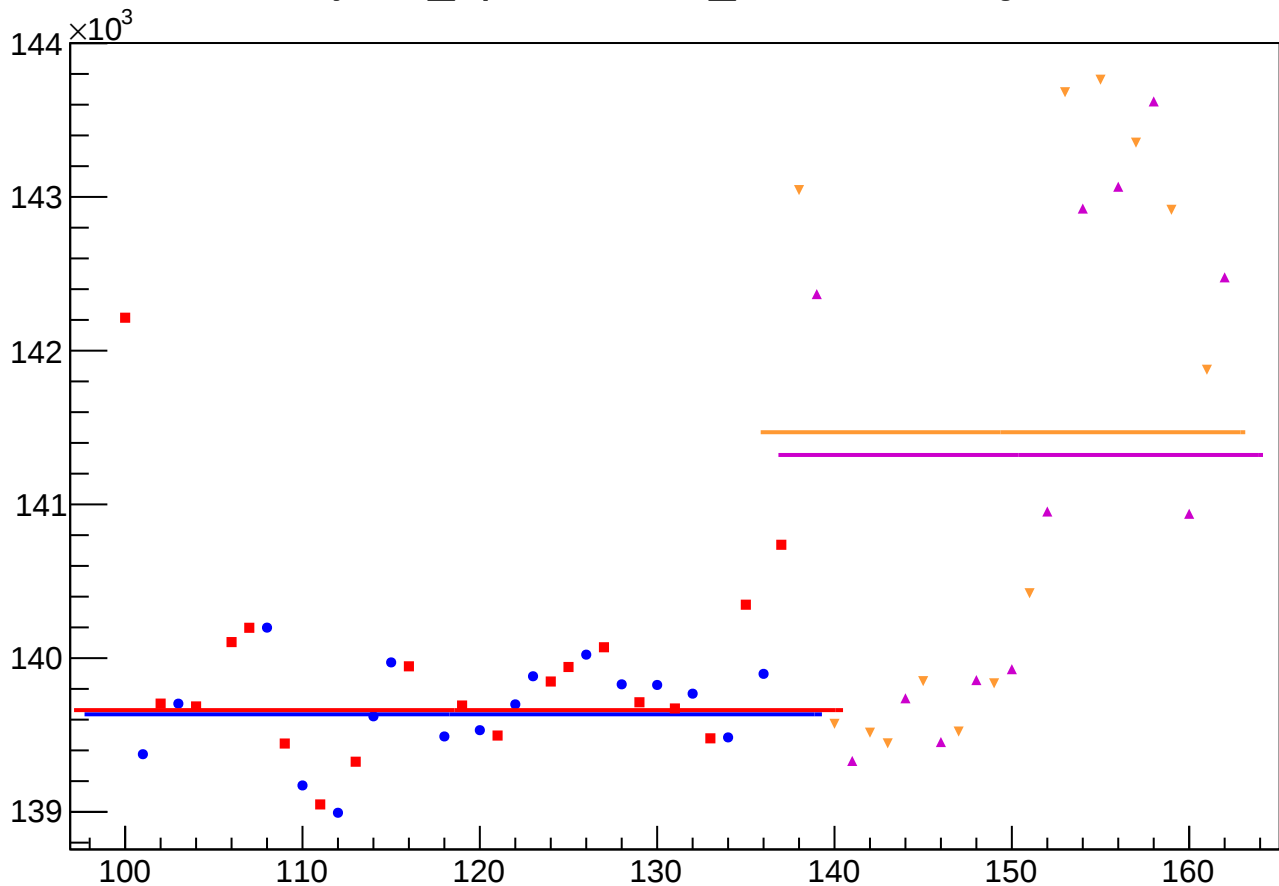
Left In: 200.808 ± 0.046 χ^2/NDF : 308209.0/11

+ sign 181.692 ± 0.033 χ^2/NDF : 1742203.2/29

All: 178.896 ± 0.023 χ^2/NDF : 3807515.8/60

- sign 176.299 ± 0.032 χ^2/NDF : 2051500.5/30

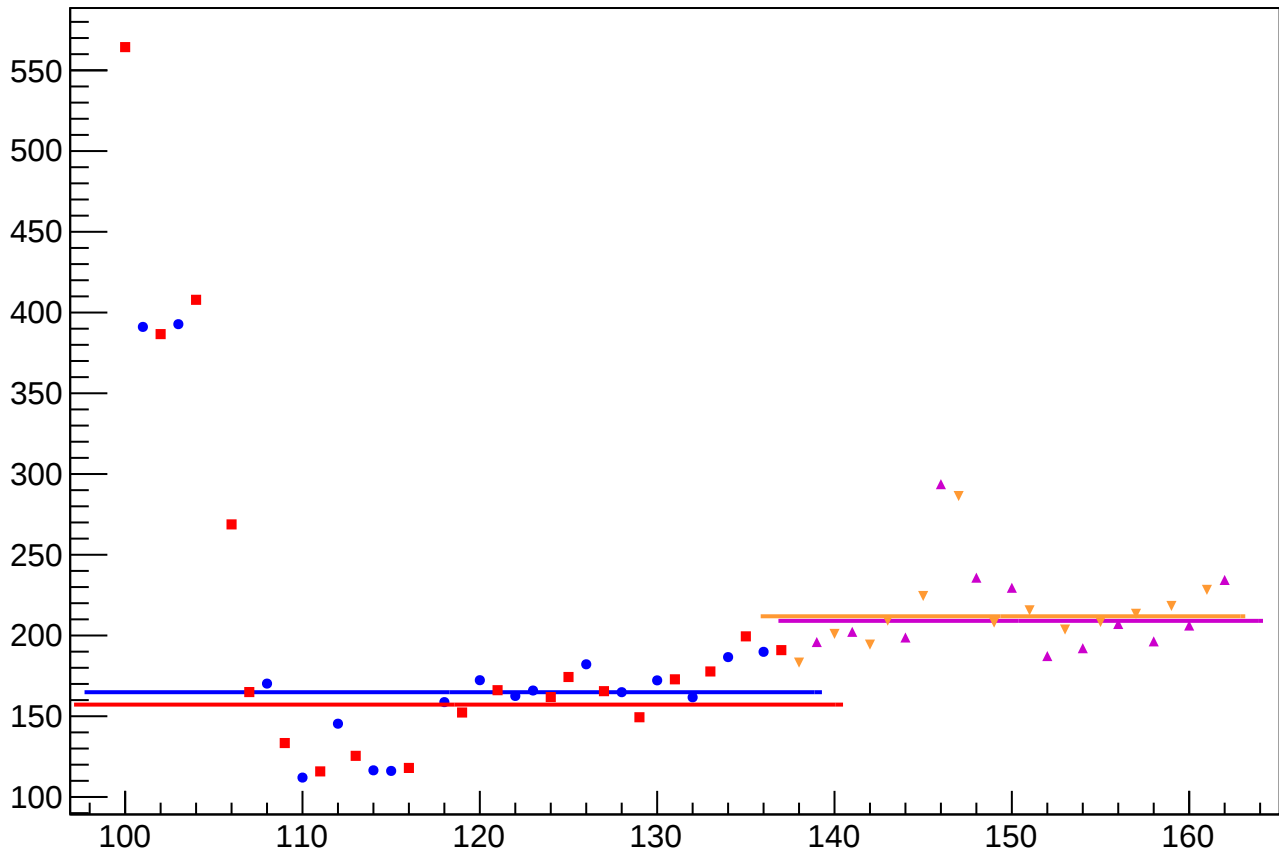
yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 ± 0.068 $\chi^2/\text{NDF}: 24844912.0/16$
 Left Out: 141469.507 ± 0.069 $\chi^2/\text{NDF}: 646682243.9/12$
 Right Out: 139661.970 ± 0.063 $\chi^2/\text{NDF}: 38372985.0/18$
 Left In: 141321.599 ± 0.068 $\chi^2/\text{NDF}: 492531724.1/11$

+ sign 140537.428 ± 0.048 $\chi^2/\text{NDF}: 1032099627.1$
 All: 140479.263 ± 0.033 $\chi^2/\text{NDF}: 188481357$
 - sign 140425.804 ± 0.046 $\chi^2/\text{NDF}: 849931631.5/3$

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 ± 0.048 $\chi^2/\text{NDF}: 1066270.8/16$

Left Out: 211.901 ± 0.049 $\chi^2/\text{NDF}: 169911.5/12$

Right Out: 157.207 ± 0.045 $\chi^2/\text{NDF}: 1245030.9/18$

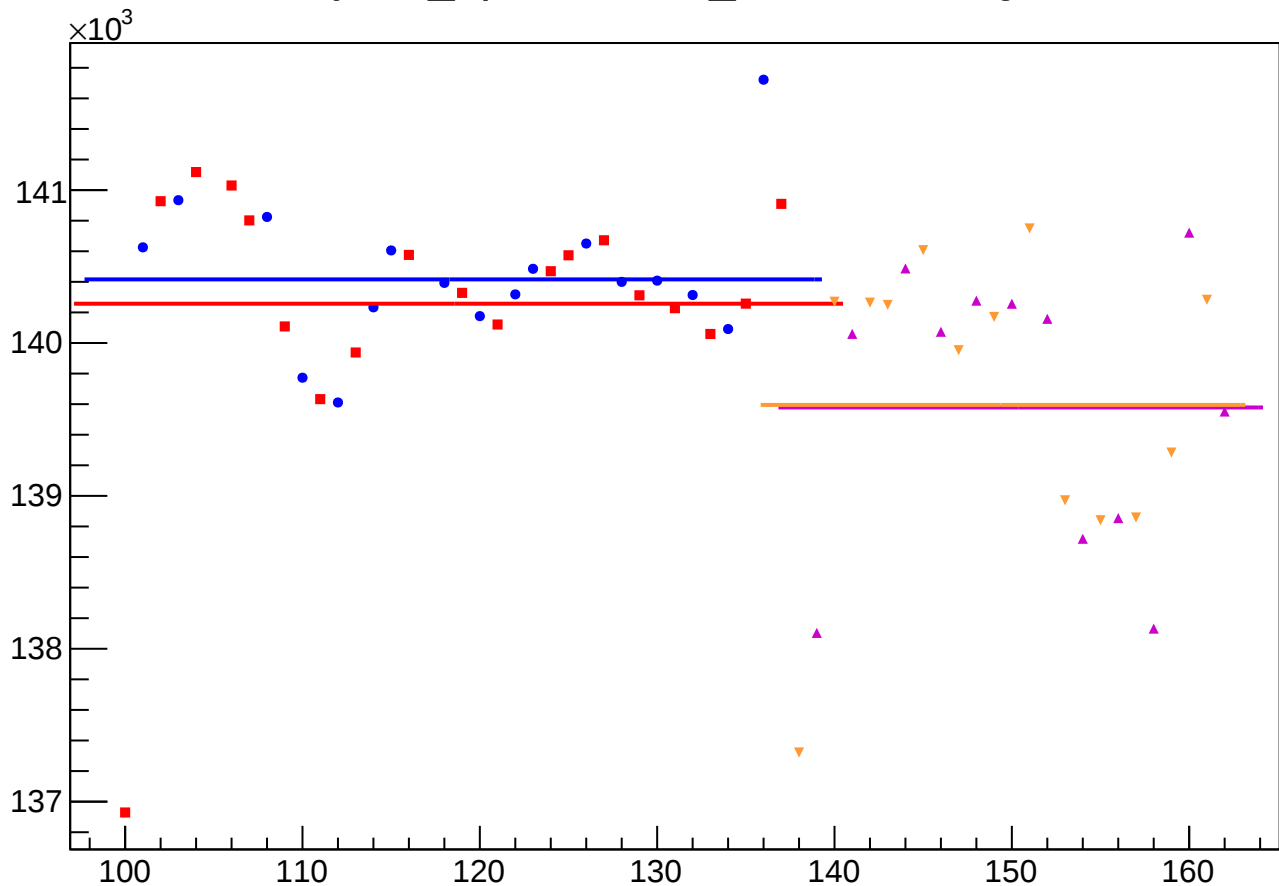
Left In: 209.071 ± 0.048 $\chi^2/\text{NDF}: 234932.0/11$

+ sign 188.016 ± 0.034 $\chi^2/\text{NDF}: 1709702.2/29$

All: 184.401 ± 0.024 $\chi^2/\text{NDF}: 3834283.1/60$

- sign 181.077 ± 0.033 $\chi^2/\text{NDF}: 2103077.1/30$

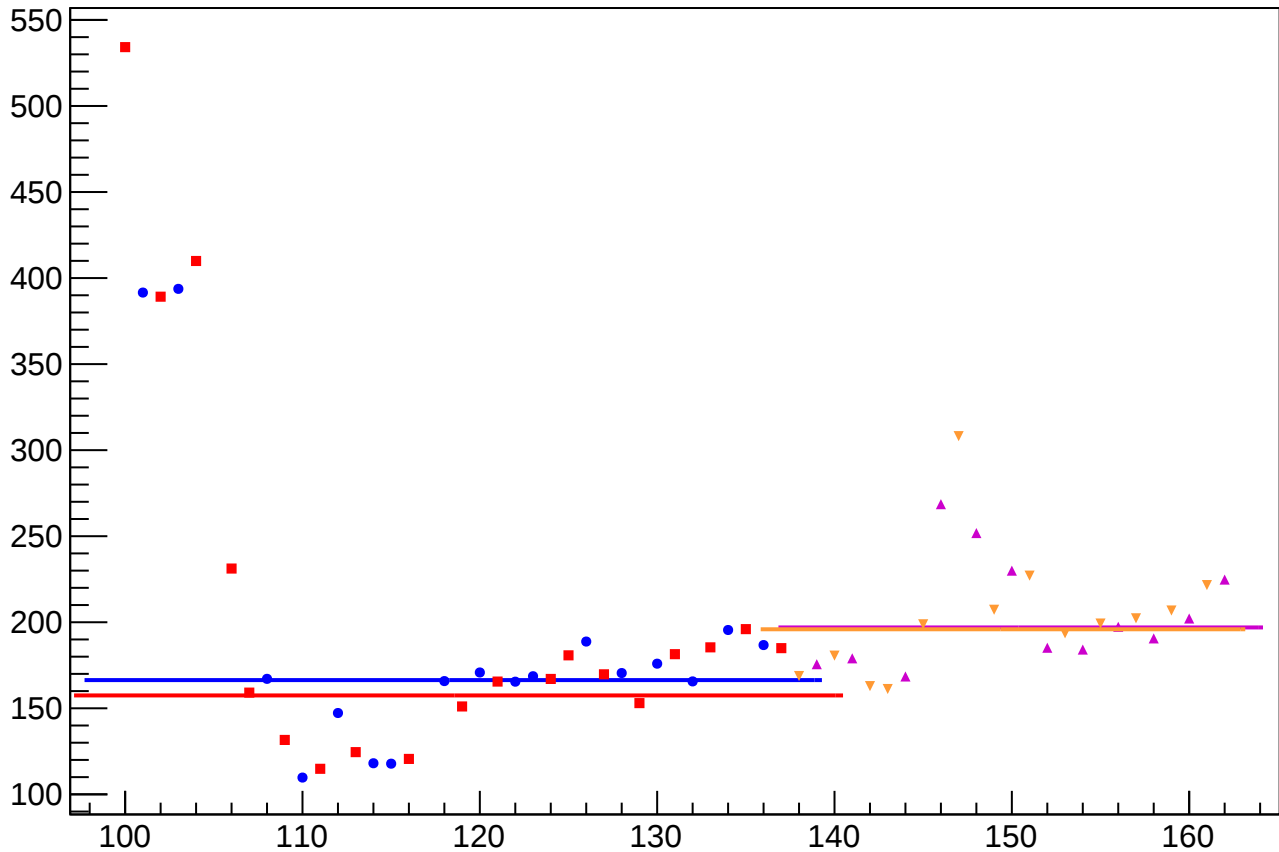
yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$
 Left Out: 139595.084 ± 0.064 $\chi^2/\text{NDF}: 242196938.6/12$
 Right Out: 140256.992 ± 0.063 $\chi^2/\text{NDF}: 38063371.4/18$
 Left In: 139578.183 ± 0.064 $\chi^2/\text{NDF}: 202528446.5/11$

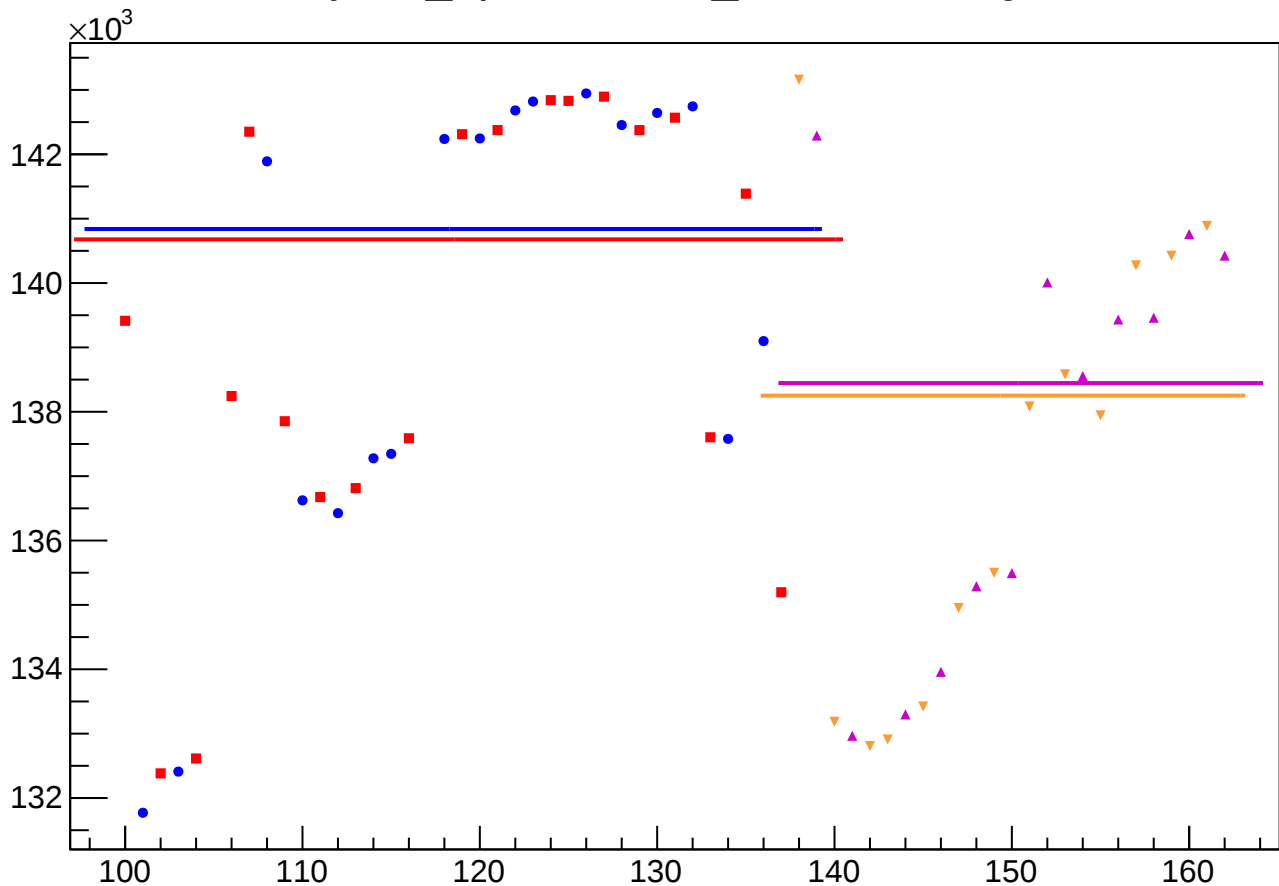
+ sign 139979.075 ± 0.047 $\chi^2/\text{NDF}: 388867753.7/2$
 All: 139950.747 ± 0.032 $\chi^2/\text{NDF}: 68678874$
 - sign 139924.416 ± 0.045 $\chi^2/\text{NDF}: 297213269.2/3$

yield_bpm0l10WS_rms vs Slug



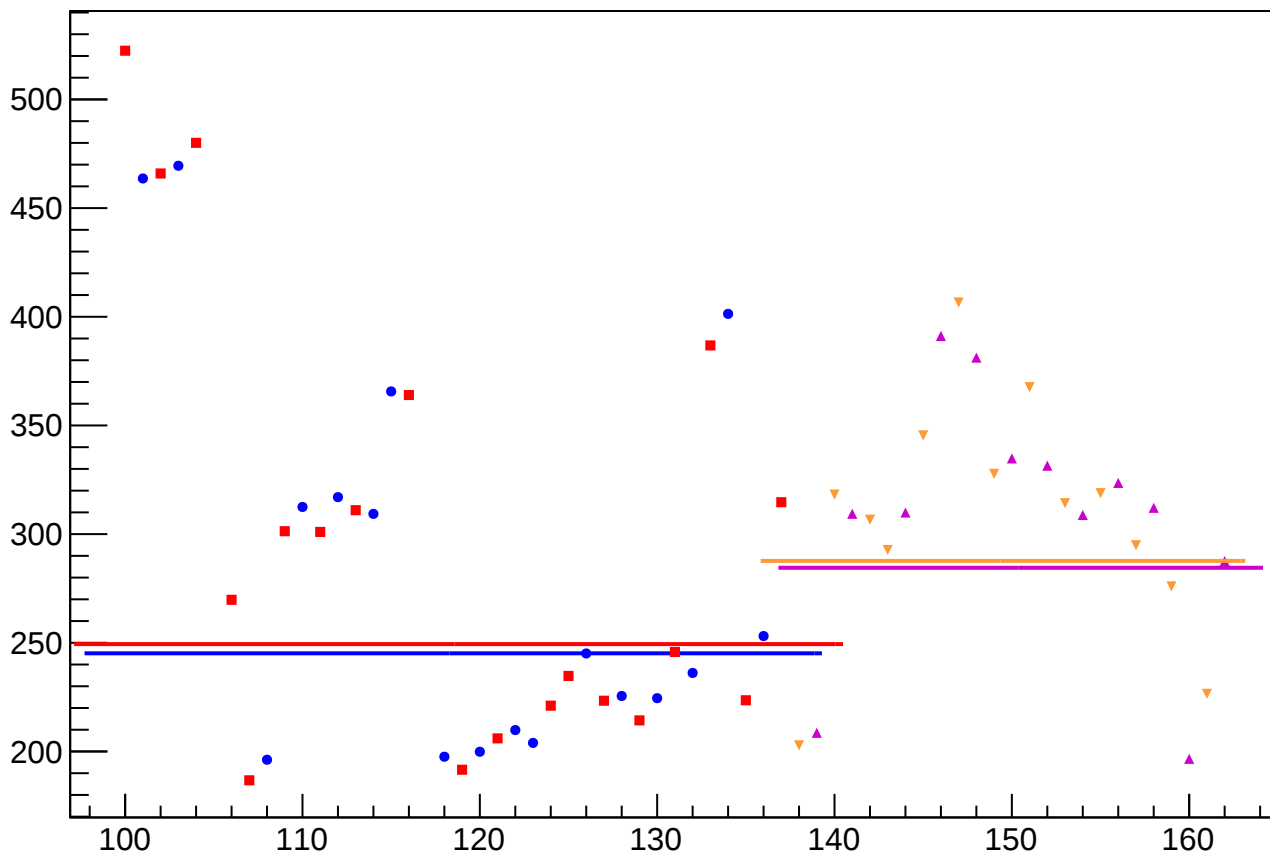
Right In: 166.388 $\pm$ 0.048 χ^2 /NDF: 1080964.8/16
 Left Out: 195.915 $\pm$ 0.045 χ^2 /NDF: 410386.6/12
 Right Out: 157.475 $\pm$ 0.045 χ^2 /NDF: 1229886.8/18
 Left In: 196.983 $\pm$ 0.046 χ^2 /NDF: 346177.3/11
 + sign 182.105 $\pm$ 0.033 χ^2 /NDF: 1689772.5/29
 All: 179.372 $\pm$ 0.023 χ^2 /NDF: 3662613.9/60
 - sign 176.832 $\pm$ 0.032 χ^2 /NDF: 1959669.3/30

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	+ sign 139486.232 $\pm$ 0.069	χ^2 /NDF: 2542828312.7
Left Out: 138251.398 $\pm$ 0.096	χ^2 /NDF: 1370132296.1/12	All: 139500.806 $\pm$ 0.049	χ^2 /NDF: 474478608
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	- sign 139515.166 $\pm$ 0.069	χ^2 /NDF: 2201869416.4
Left In: 138446.348 $\pm$ 0.095	χ^2 /NDF: 1096760513.1/11		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 $\chi^2/\text{NDF}: 869491.6/16$

Left Out: 287.682 ± 0.068 $\chi^2/\text{NDF}: 677716.1/12$

Right Out: 249.397 ± 0.070 $\chi^2/\text{NDF}: 1009731.2/18$

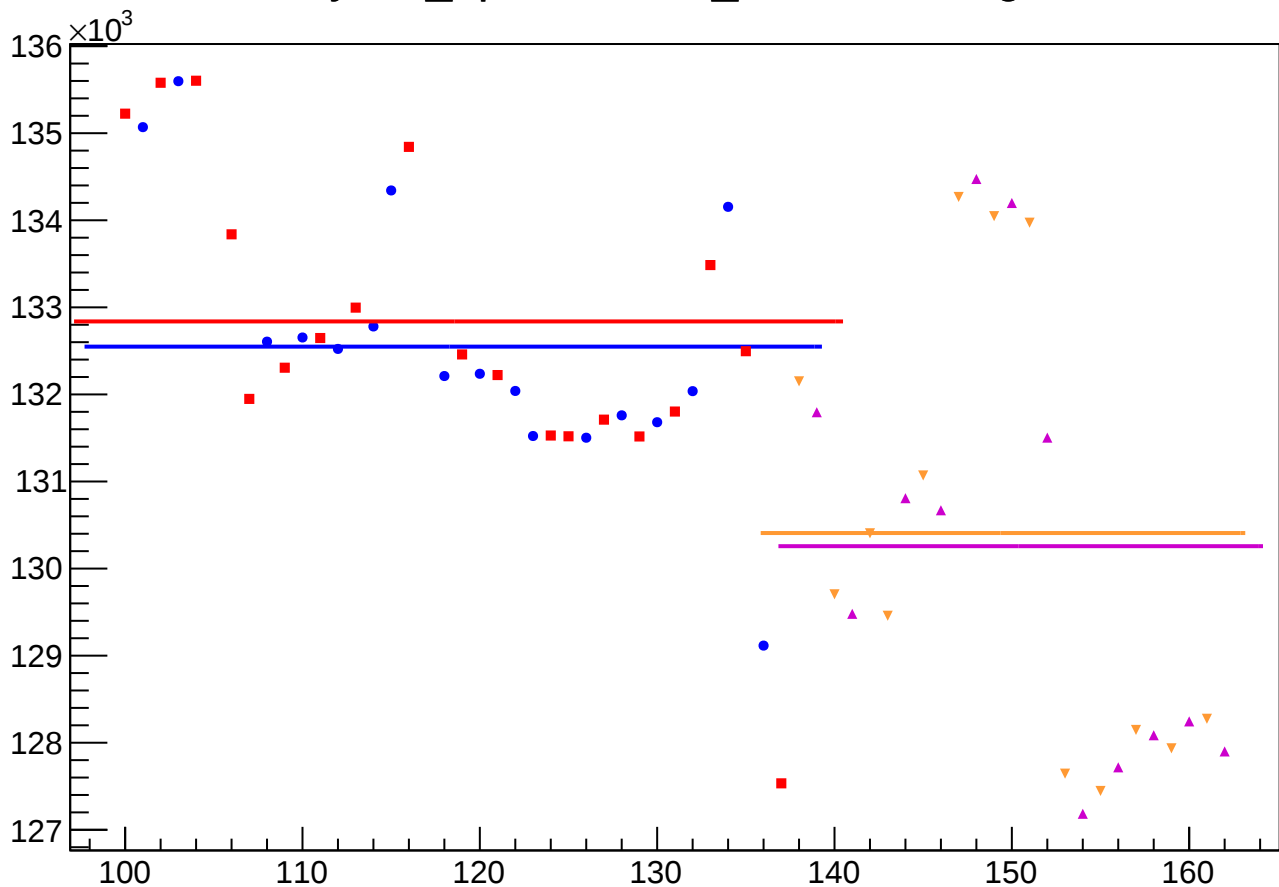
Left In: 284.517 ± 0.067 $\chi^2/\text{NDF}: 835273.0/11$

+ sign 267.391 ± 0.049 $\chi^2/\text{NDF}: 1736236.0/29$

All: 267.547 ± 0.034 $\chi^2/\text{NDF}: 3712169.8/60$

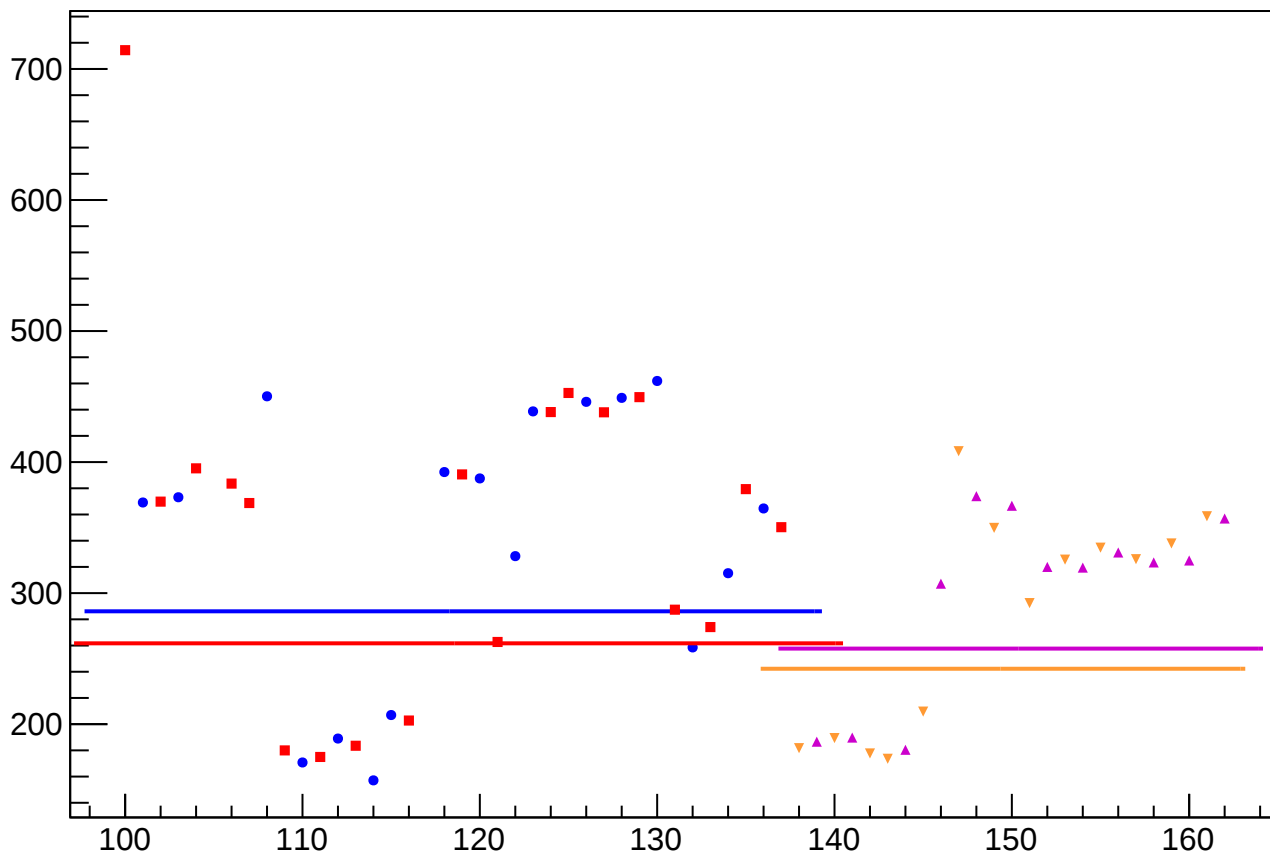
- sign 267.700 ± 0.048 $\chi^2/\text{NDF}: 1975913.5/30$

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119	χ^2 /NDF: 161115079.9/16	+ sign 131100.138 $\pm$ 0.068	χ^2 /NDF: 973004699.7/2
Left Out: 130408.183 $\pm$ 0.082	χ^2 /NDF: 594243715.4/12	All: 131193.491 $\pm$ 0.048	χ^2 /NDF: 197999890
Right Out: 132838.294 $\pm$ 0.107	χ^2 /NDF: 149611447.6/18	- sign 131286.173 $\pm$ 0.068	χ^2 /NDF: 1003223671.0/
Left In: 130257.174 $\pm$ 0.087	χ^2 /NDF: 504349247.9/11		

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 242.288+/-0.058 χ^2/NDF :1683192.6/12

Right Out: 261.686+/-0.076 χ^2/NDF : 1623174.1/18

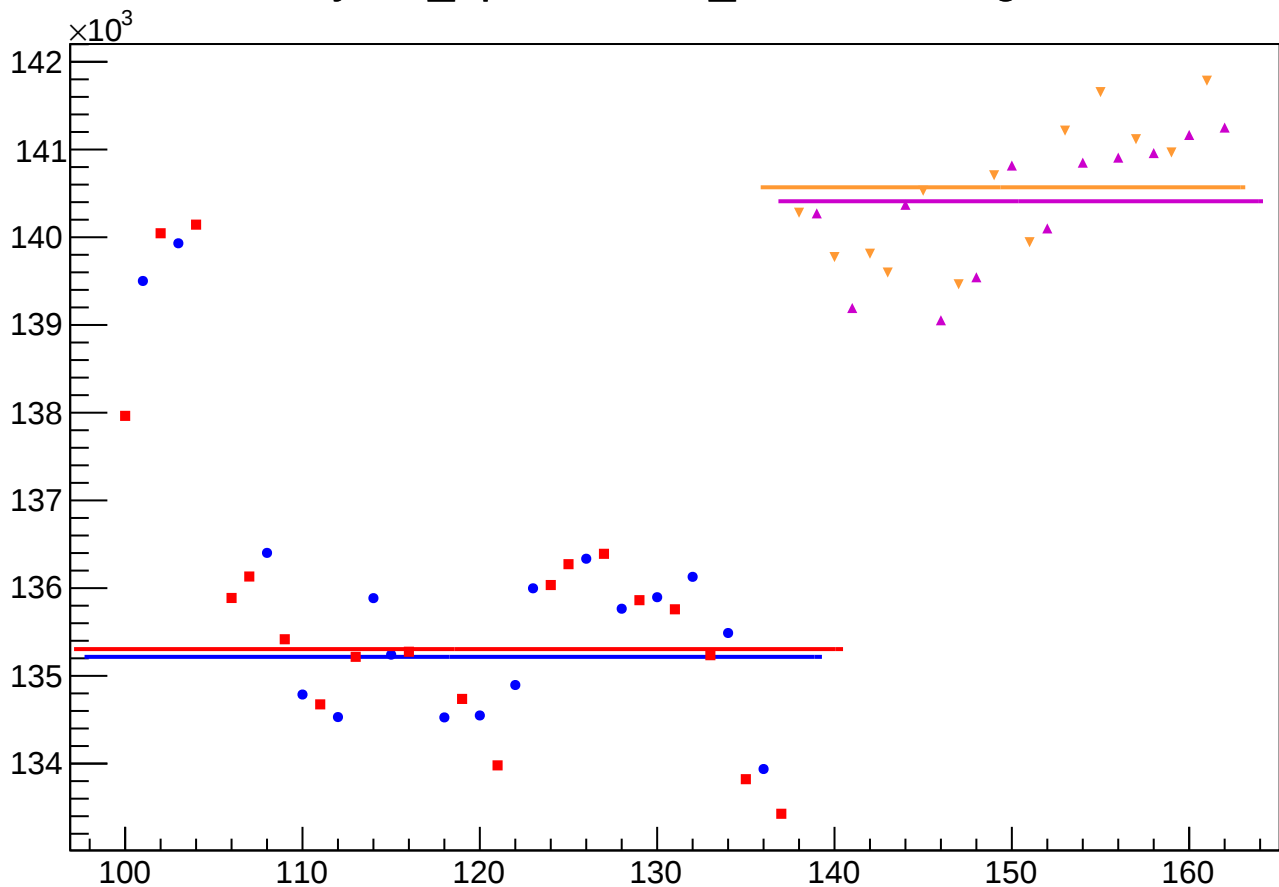
Left In: 257.663+/-0.062 χ^2/NDF :1503947.8/11

+ sign 256.457+/-0.048 χ^2/NDF : 3390973.7/29

All: 257.867+/-0.034 χ^2/NDF : 6521513.6/60

- sign 259.267+/-0.048 χ^2/NDF : 3128818.9/30

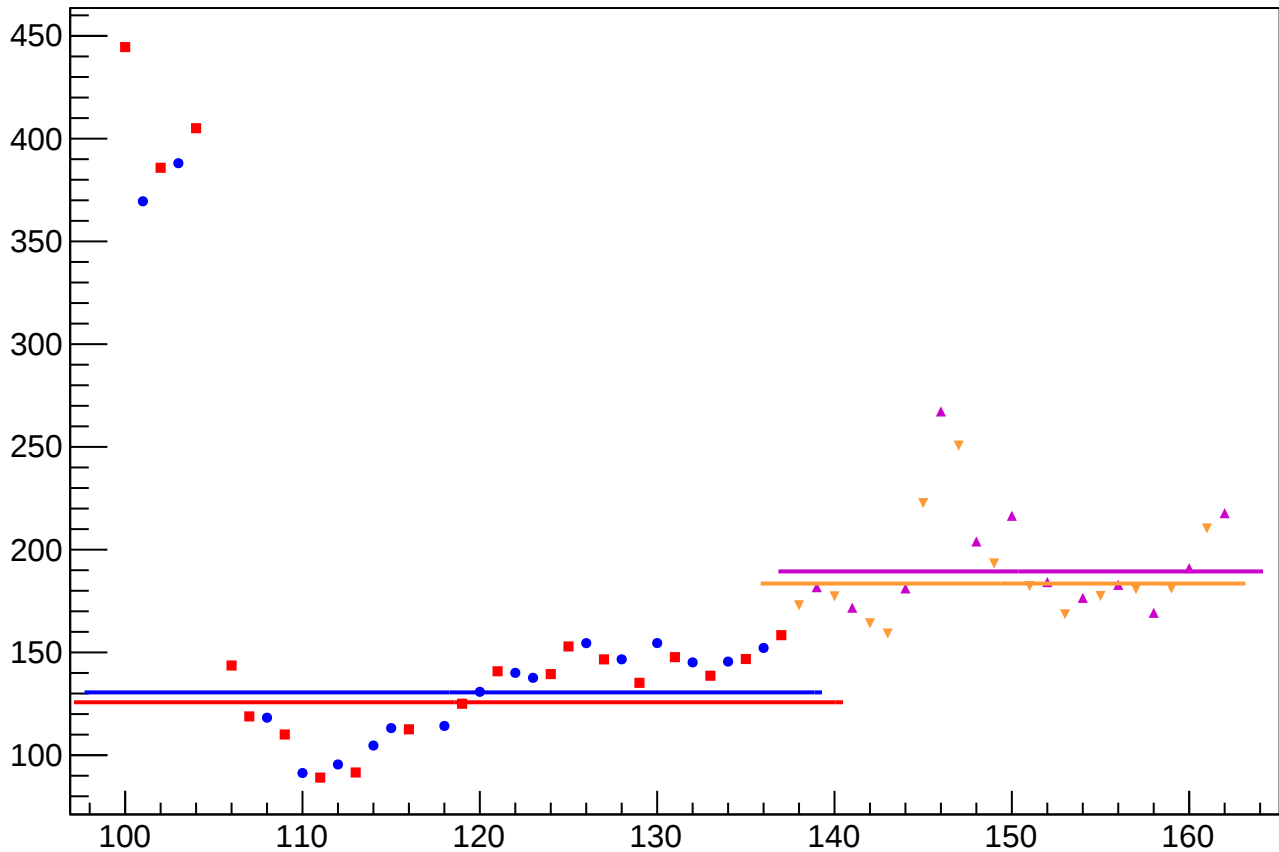
yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 ± 0.054 $\chi^2/\text{NDF}: 371347707.3/16$
 Left Out: 140569.511 ± 0.060 $\chi^2/\text{NDF}: 151618371.3/12$
 Right Out: 135305.135 ± 0.051 $\chi^2/\text{NDF}: 357636841.6/18$
 Left In: 140410.295 ± 0.062 $\chi^2/\text{NDF}: 124020959.2/11$

All: 137500.852 ± 0.028 $\chi^2/\text{NDF}: 944186795$
 + sign 137632.047 ± 0.040 $\chi^2/\text{NDF}: 4899144174.9$
 - sign 137375.025 ± 0.039 $\chi^2/\text{NDF}: 4521926239.5$

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 ± 0.038 χ^2/NDF : 1373104.9/16

Left Out: 183.513 ± 0.042 χ^2/NDF : 245297.6/12

Right Out: 125.746 ± 0.036 χ^2/NDF : 1440002.5/18

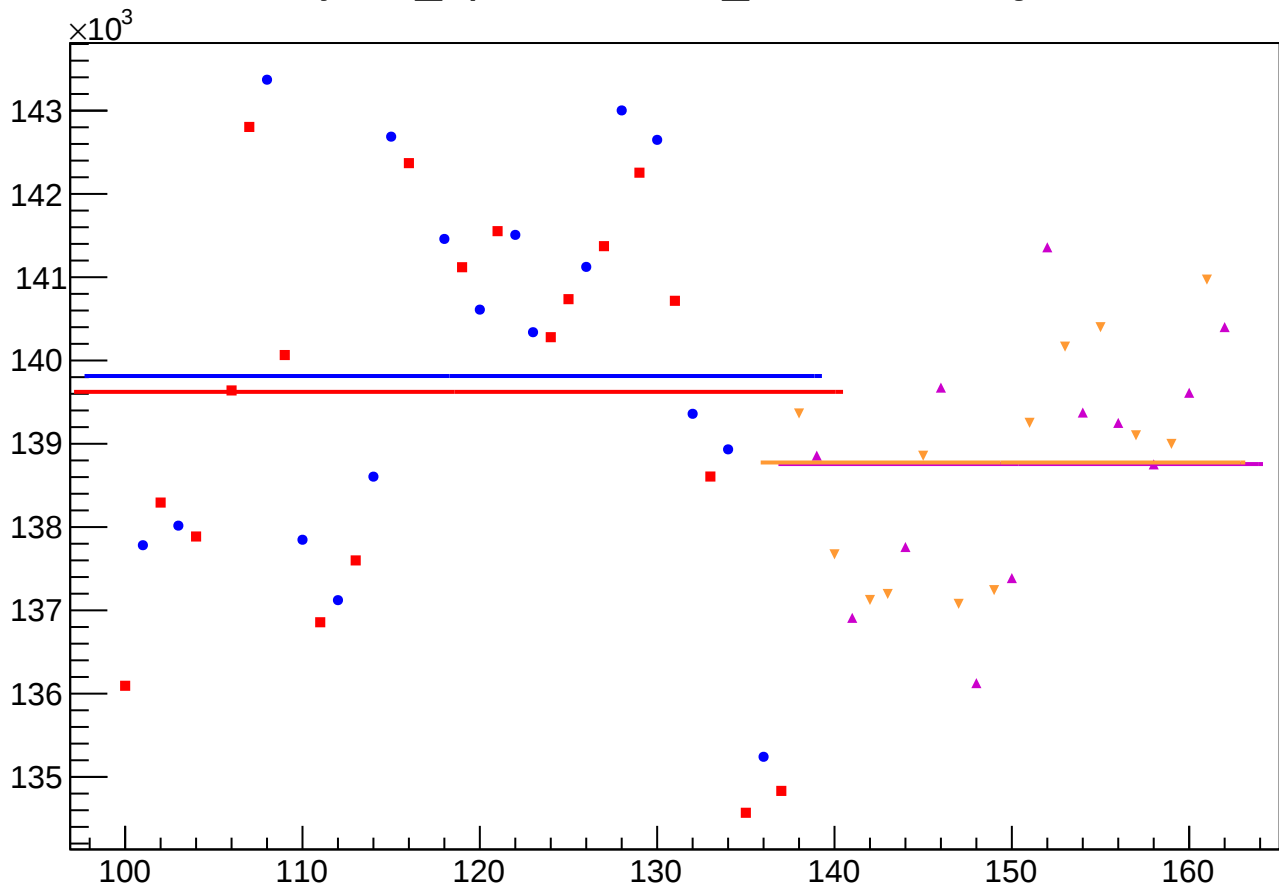
Left In: 189.413 ± 0.044 χ^2/NDF : 244630.1/11

+ sign 154.450 ± 0.028 χ^2/NDF : 2475169.2/29

All: 152.975 ± 0.020 χ^2/NDF : 5421838.2/60

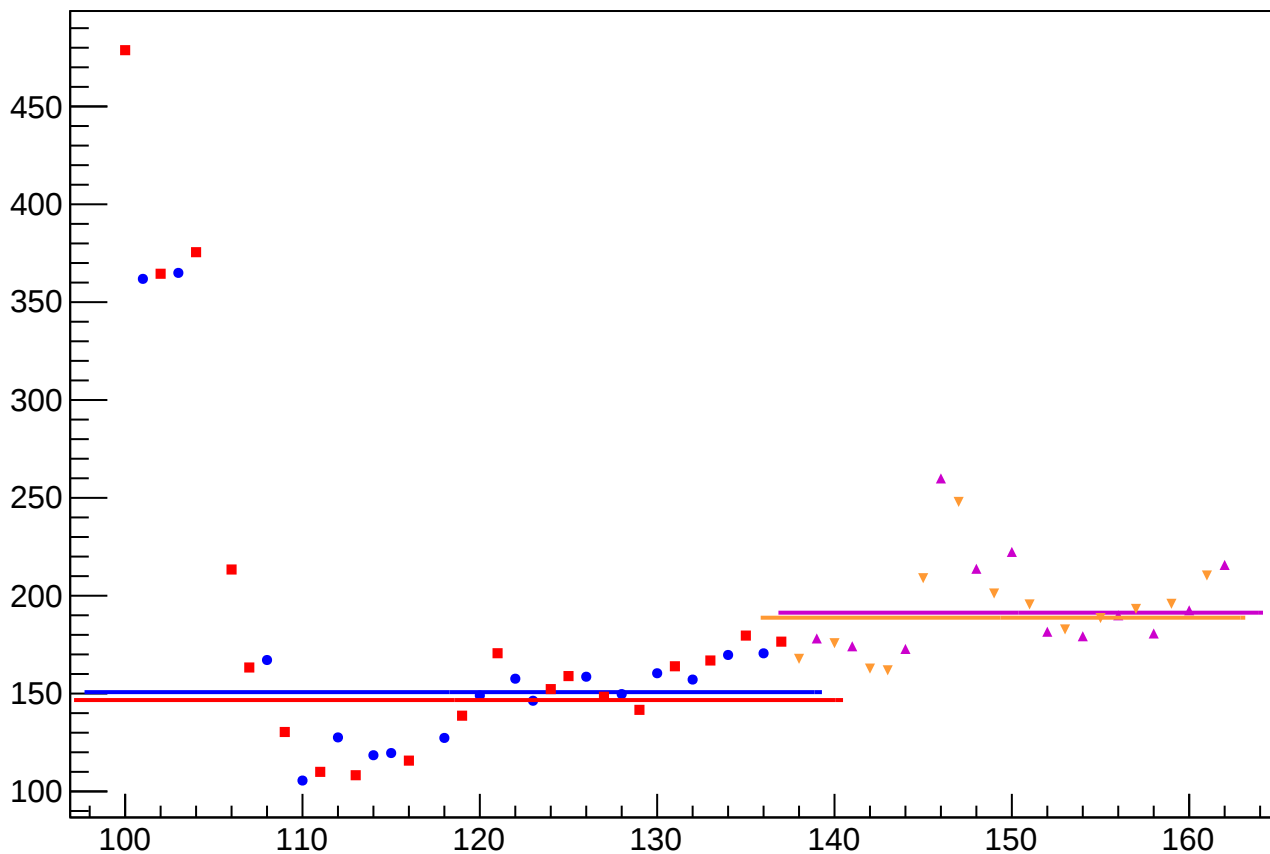
- sign 151.560 ± 0.028 χ^2/NDF : 2941408.8/30

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062	χ^2 /NDF: 1689865533.6/16	+ sign 139293.167 $\pm$ 0.044	χ^2 /NDF: 2249185299.9
Left Out: 138775.294 $\pm$ 0.062	χ^2 /NDF: 418366498.4/12	All: 139253.653 $\pm$ 0.031	χ^2 /NDF: 437559491
Right Out: 139623.387 $\pm$ 0.059	χ^2 /NDF: 1505731109.1/18	- sign 139215.541 $\pm$ 0.043	χ^2 /NDF: 2124805660.8/
Left In: 138756.528 $\pm$ 0.063	χ^2 /NDF: 517577173.3/11		

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 188.766+/-0.044 χ^2/NDF : 217256.4/12

Right Out: 146.686+/-0.042 χ^2/NDF : 1203106.6/18

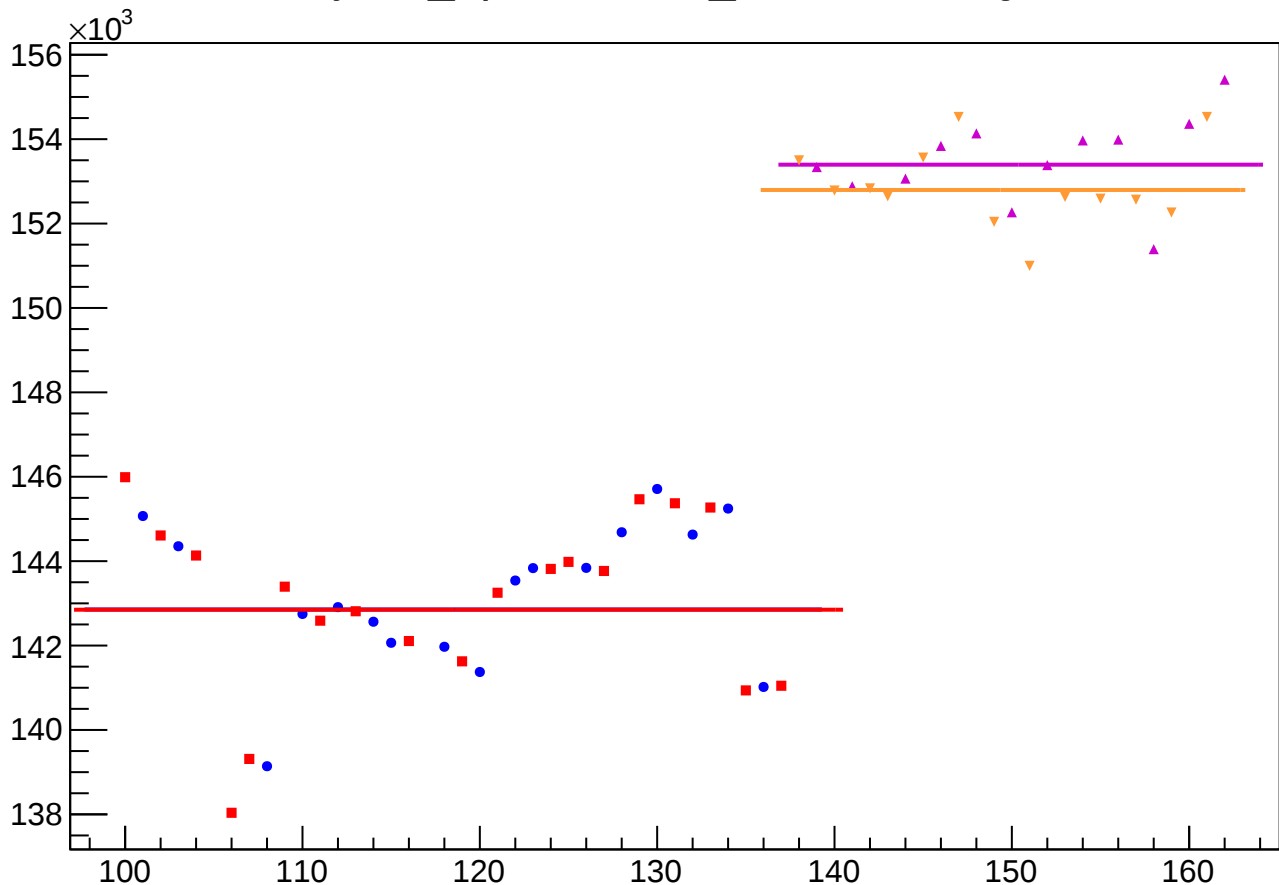
Left In: 191.331+/-0.044 χ^2/NDF : 236481.0/11

+ sign 169.798+/-0.031 χ^2/NDF : 1645533.9/29

All: 168.725+/-0.022 χ^2/NDF : 3625937.8/60

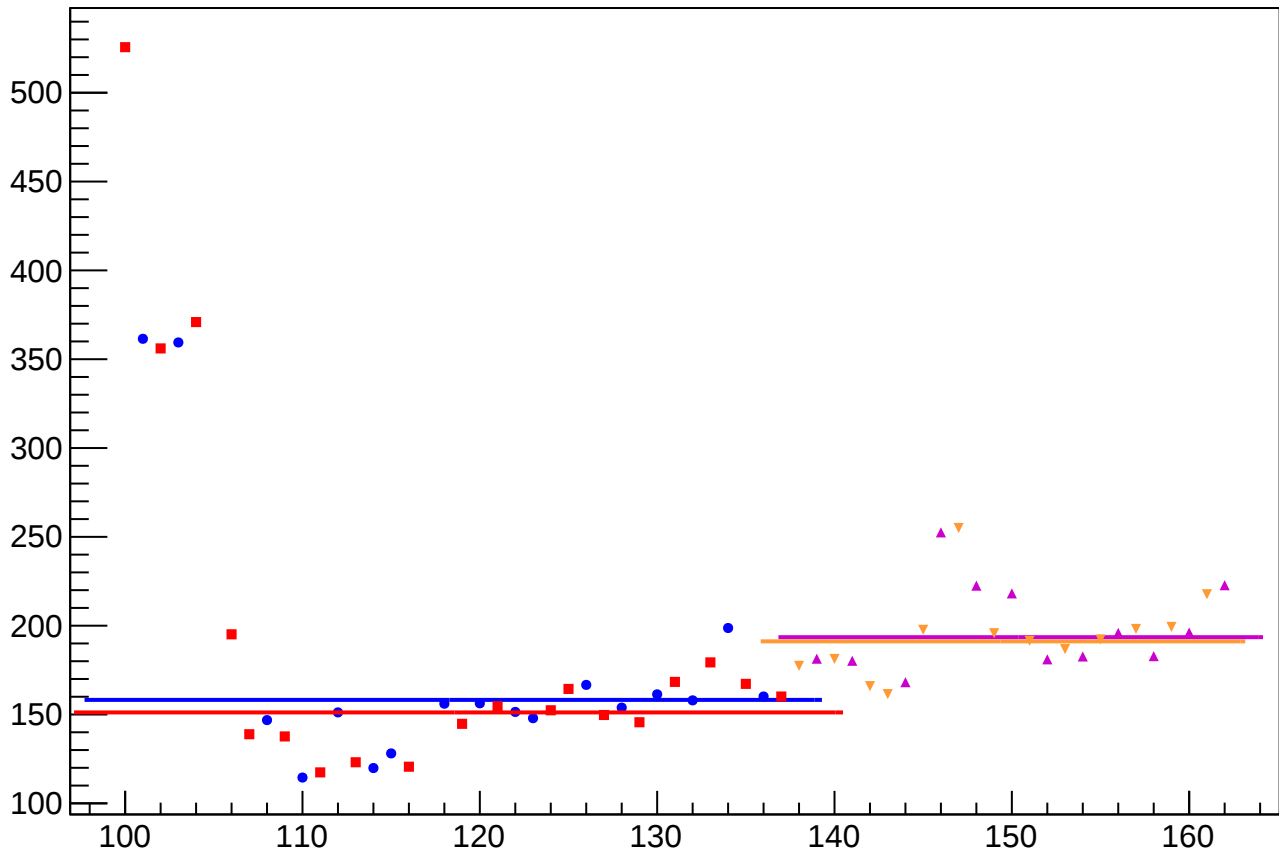
- sign 167.691+/-0.030 χ^2/NDF : 1978041.0/30

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065	χ^2 /NDF: 740367386.5/16	+ sign 148000.931 $\pm$ 0.045	χ^2 /NDF: 13173150526.
Left Out: 152796.254 $\pm$ 0.062	χ^2 /NDF: 195241989.1/12	All: 147939.575 $\pm$ 0.031	χ^2 /NDF: 288137676
Right Out: 142849.362 $\pm$ 0.060	χ^2 /NDF: 850066807.5/18	- sign 147881.553 $\pm$ 0.044	χ^2 /NDF: 15636985229.7
Left In: 153395.507 $\pm$ 0.063	χ^2 /NDF: 237867933.4/11		

yield_bpm0i05WS_rms vs Slug



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 191.181+/-0.044 χ^2/NDF : 204041.1/12

Right Out: 151.174+/-0.043 χ^2/NDF : 1003301.6/18

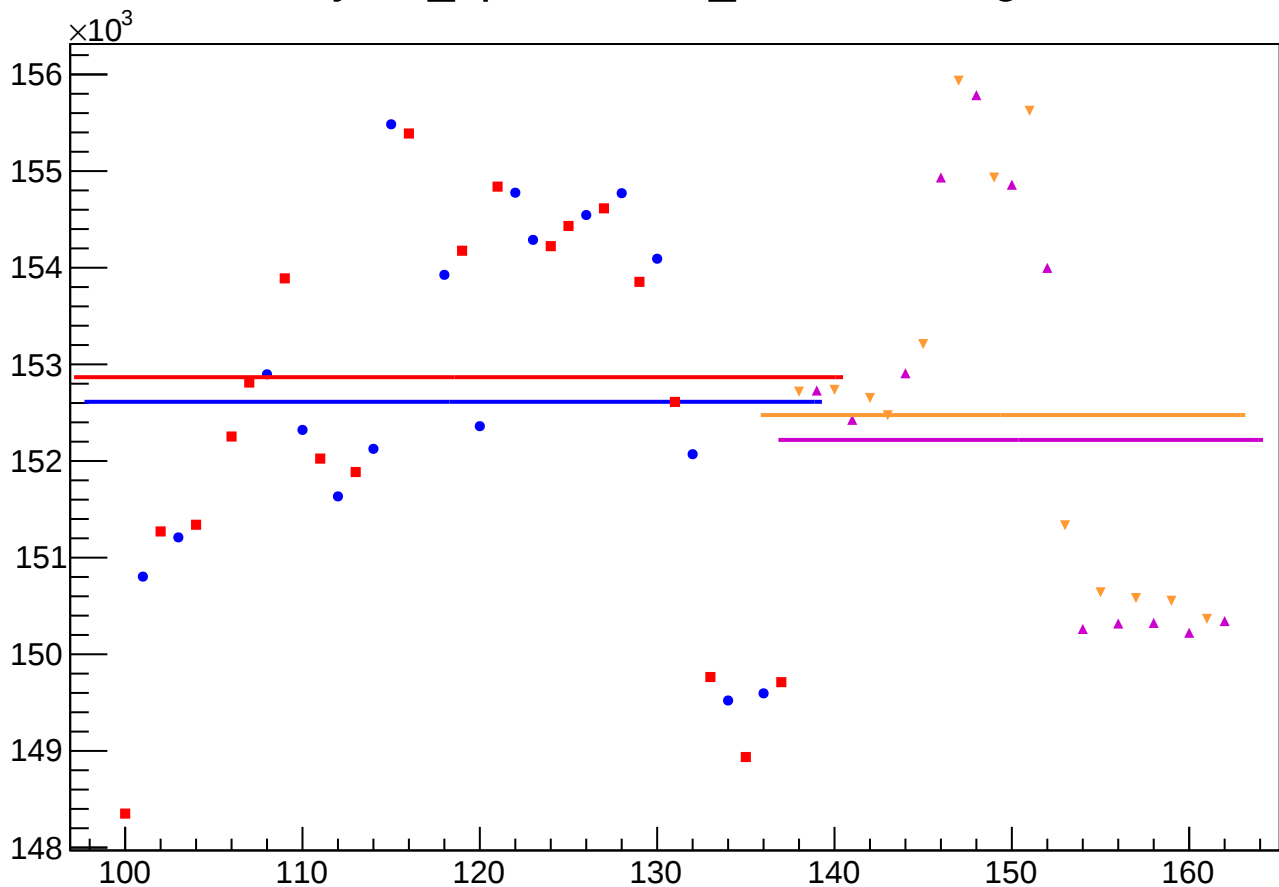
Left In: 193.534+/-0.045 χ^2/NDF : 232675.7/11

+ sign 175.289+/-0.032 χ^2/NDF : 1356372.5/29

All: 173.283+/-0.022 χ^2/NDF : 3069551.1/60

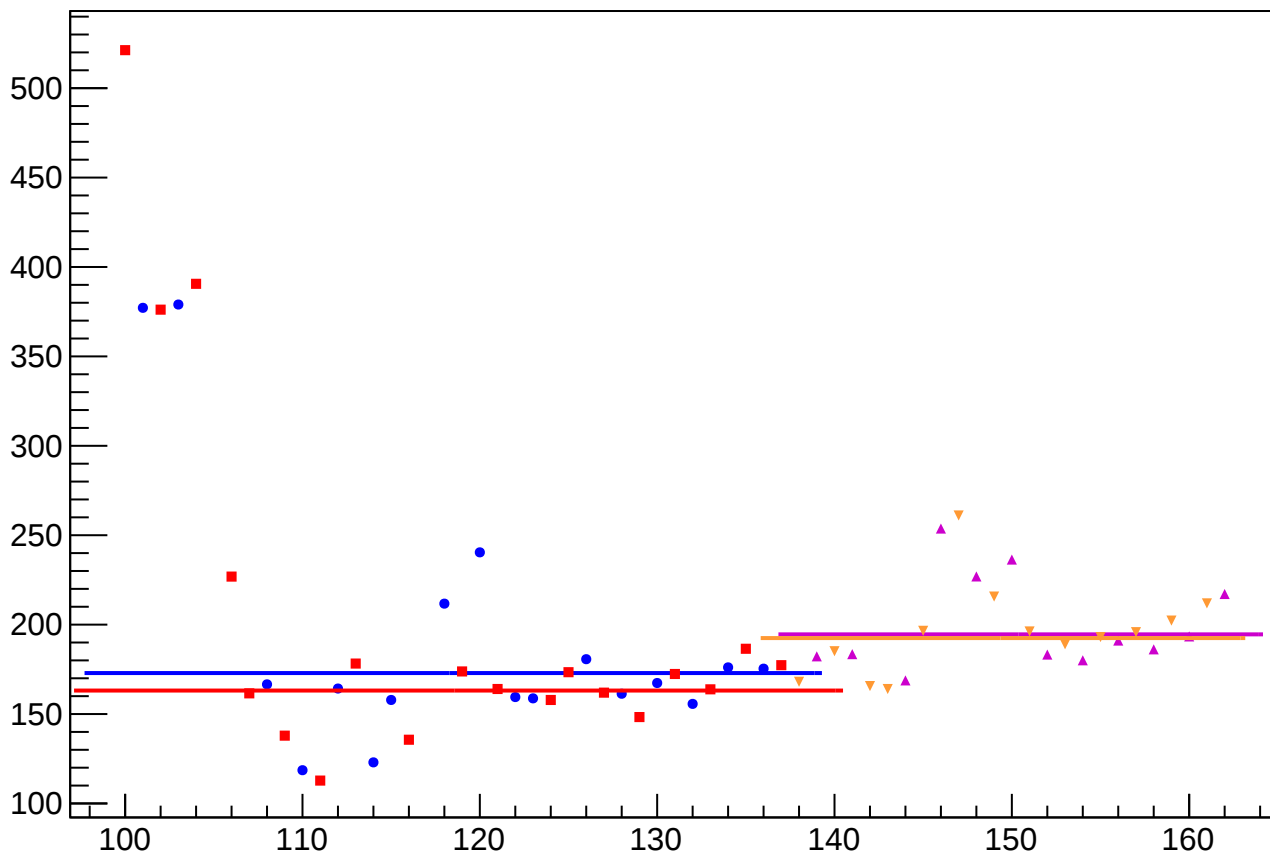
- sign 171.386+/-0.031 χ^2/NDF : 1705414.4/30

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072	χ^2 /NDF: 621416187.4/16	+ sign 152534.378 $\pm$ 0.047	χ^2 /NDF: 1402624833.6
Left Out: 152475.537 $\pm$ 0.063	χ^2 /NDF: 779150577.4/12	All: 152531.514 $\pm$ 0.033	χ^2 /NDF: 305691133
Right Out: 152867.453 $\pm$ 0.066	χ^2 /NDF: 719075986.4/18	- sign 152528.826 $\pm$ 0.046	χ^2 /NDF: 1654279390.3/12
Left In: 152218.292 $\pm$ 0.063	χ^2 /NDF: 885068061.0/11		

yield_bpm0i07WS_rms vs Slug



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 192.481+/-0.044 χ^2/NDF : 238607.0/12

Right Out: 163.138+/-0.047 χ^2/NDF : 1033751.2/18

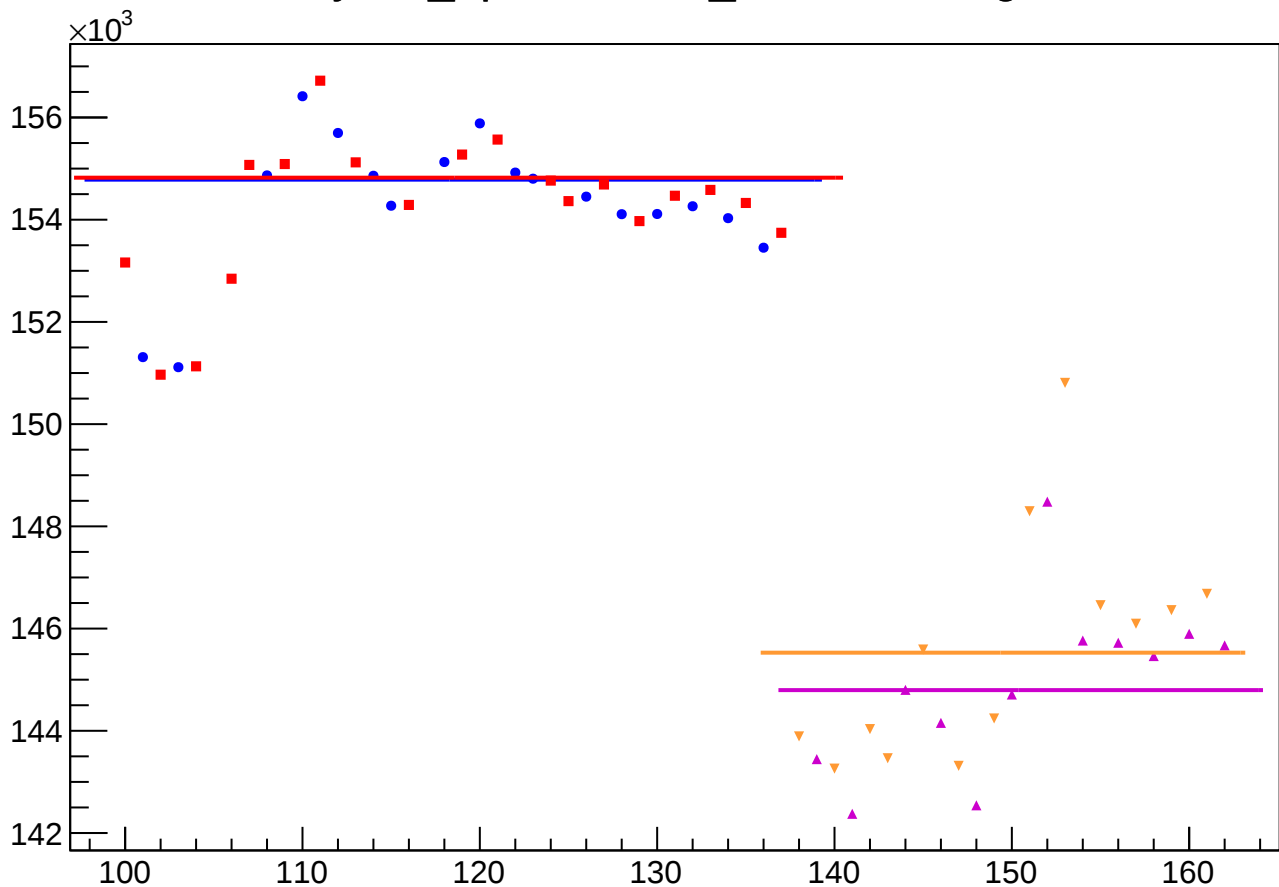
Left In: 194.559+/-0.045 χ^2/NDF : 259855.5/11

+ sign 184.083+/-0.033 χ^2/NDF : 1264406.1/29

All: 181.733+/-0.023 χ^2/NDF : 2802500.9/60

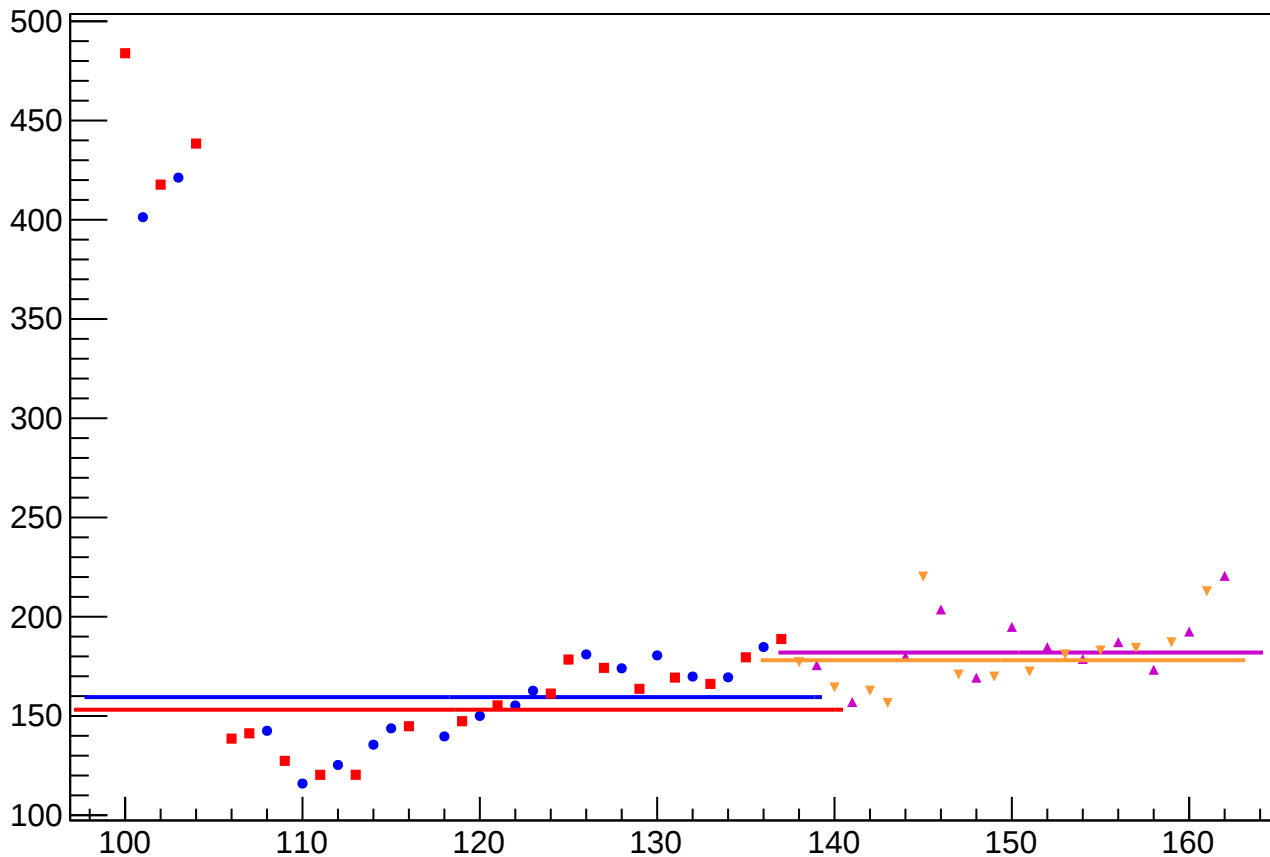
- sign 179.529+/-0.032 χ^2/NDF : 1528522.3/30

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 ± 0.065 $\chi^2/\text{NDF}: 265581398.0/16$
 Left Out: 145528.616 ± 0.058 $\chi^2/\text{NDF}: 1479657826.7/12$
 Right Out: 154822.113 ± 0.061 $\chi^2/\text{NDF}: 293850525.9/18$
 Left In: 144795.986 ± 0.059 $\chi^2/\text{NDF}: 808150011.3/11$

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 178.072 $\pm$ 0.041 χ^2 /NDF:156348.7/12

Right Out: 153.153 $\pm$ 0.043 χ^2 /NDF: 1173739.7/18

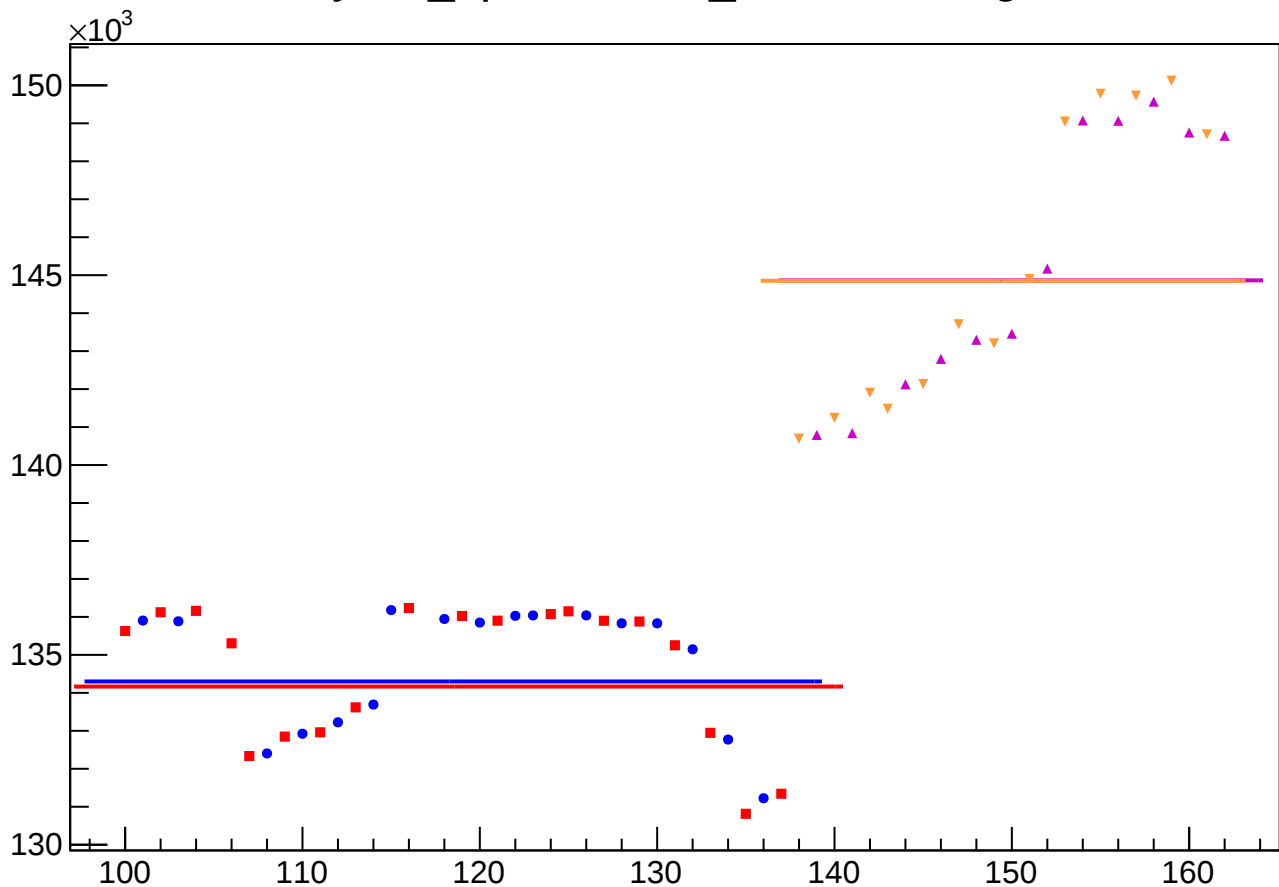
Left In: 181.965 $\pm$ 0.042 χ^2 /NDF:136550.9/11

+ sign 169.948 $\pm$ 0.031 χ^2 /NDF: 1378968.7/29

All: 168.967 $\pm$ 0.021 χ^2 /NDF: 2922430.2/60

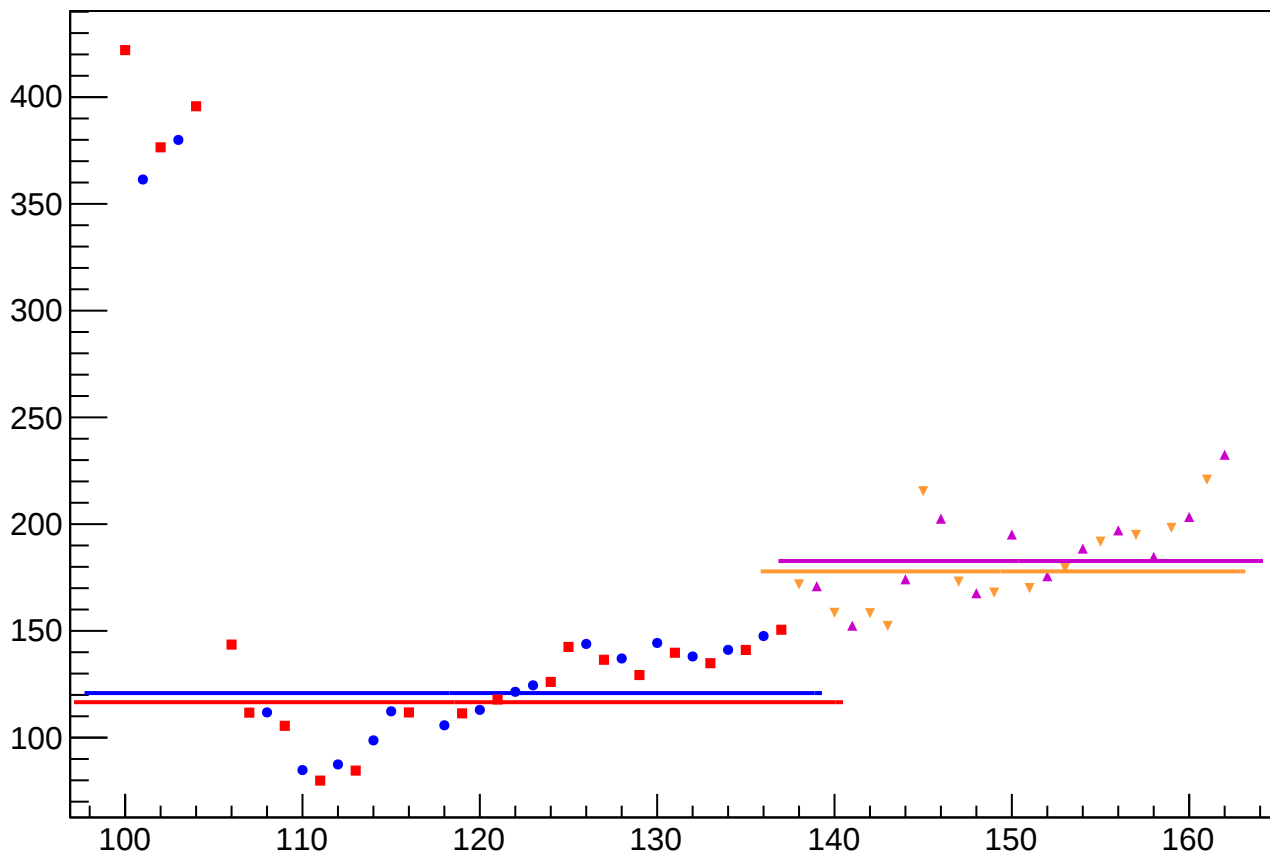
- sign 168.025 $\pm$ 0.030 χ^2 /NDF: 1541442.0/30

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050	χ^2 /NDF: 1149581803.2/16	+ sign 138859.163 $\pm$ 0.038	χ^2 /NDF: 23885152595.
Left Out: 144853.378 $\pm$ 0.058	χ^2 /NDF: 3750643367.1/12	All: 138587.942 $\pm$ 0.027	χ^2 /NDF: 481914492
Right Out: 134165.615 $\pm$ 0.047	χ^2 /NDF: 1211471052.4/18	- sign 138329.447 $\pm$ 0.037	χ^2 /NDF: 24206489579.2
Left In: 144864.075 $\pm$ 0.059	χ^2 /NDF: 3162363006.6/11		

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 ± 0.036 χ^2/NDF : 1463728.4/16

Left Out: 177.871 ± 0.041 χ^2/NDF : 228439.1/12

Right Out: 116.595 ± 0.034 χ^2/NDF : 1541338.5/18

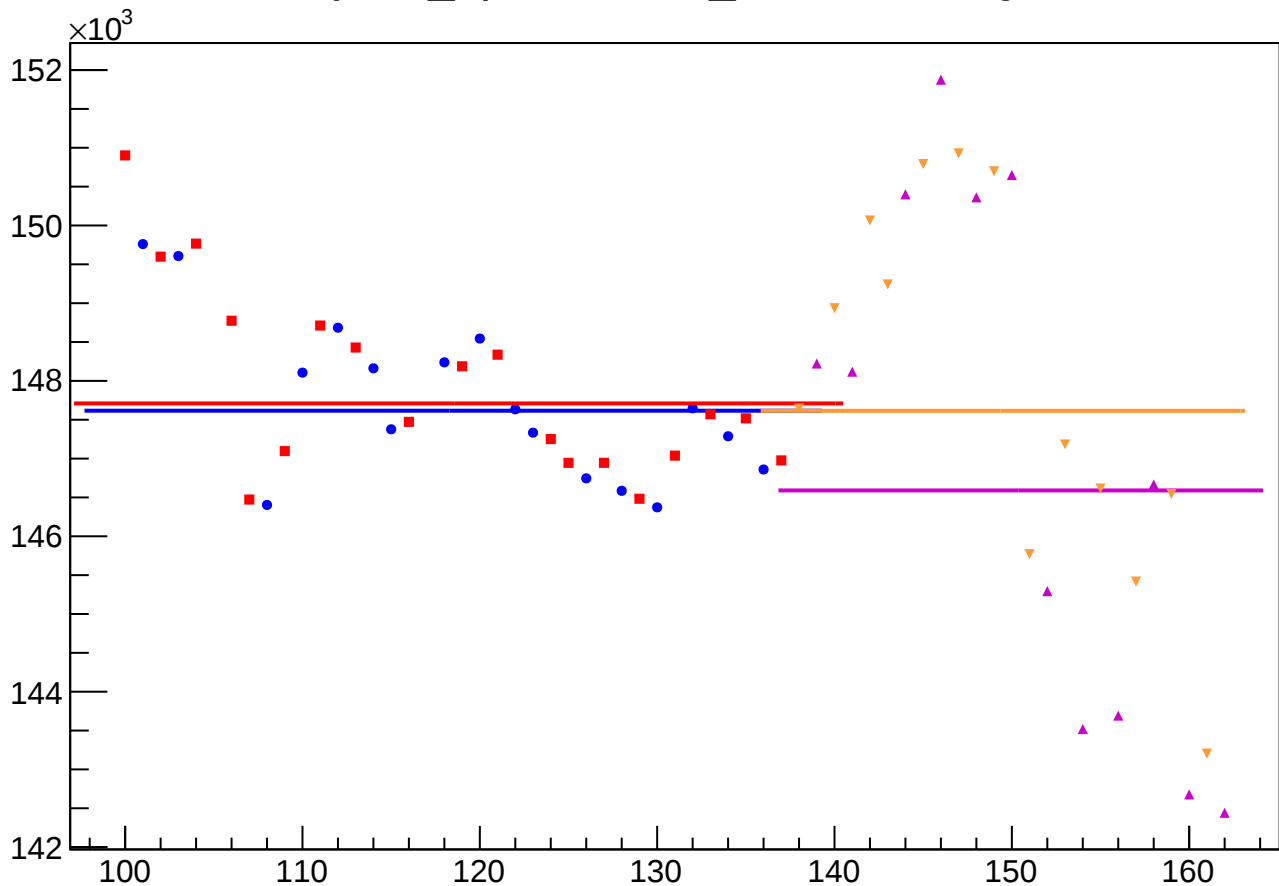
Left In: 182.727 ± 0.042 χ^2/NDF : 210521.1/11

+ sign 145.496 ± 0.027 χ^2/NDF : 2799788.0/29

All: 143.877 ± 0.019 χ^2/NDF : 6074427.5/60

- sign 142.333 ± 0.026 χ^2/NDF : 3267522.4/30

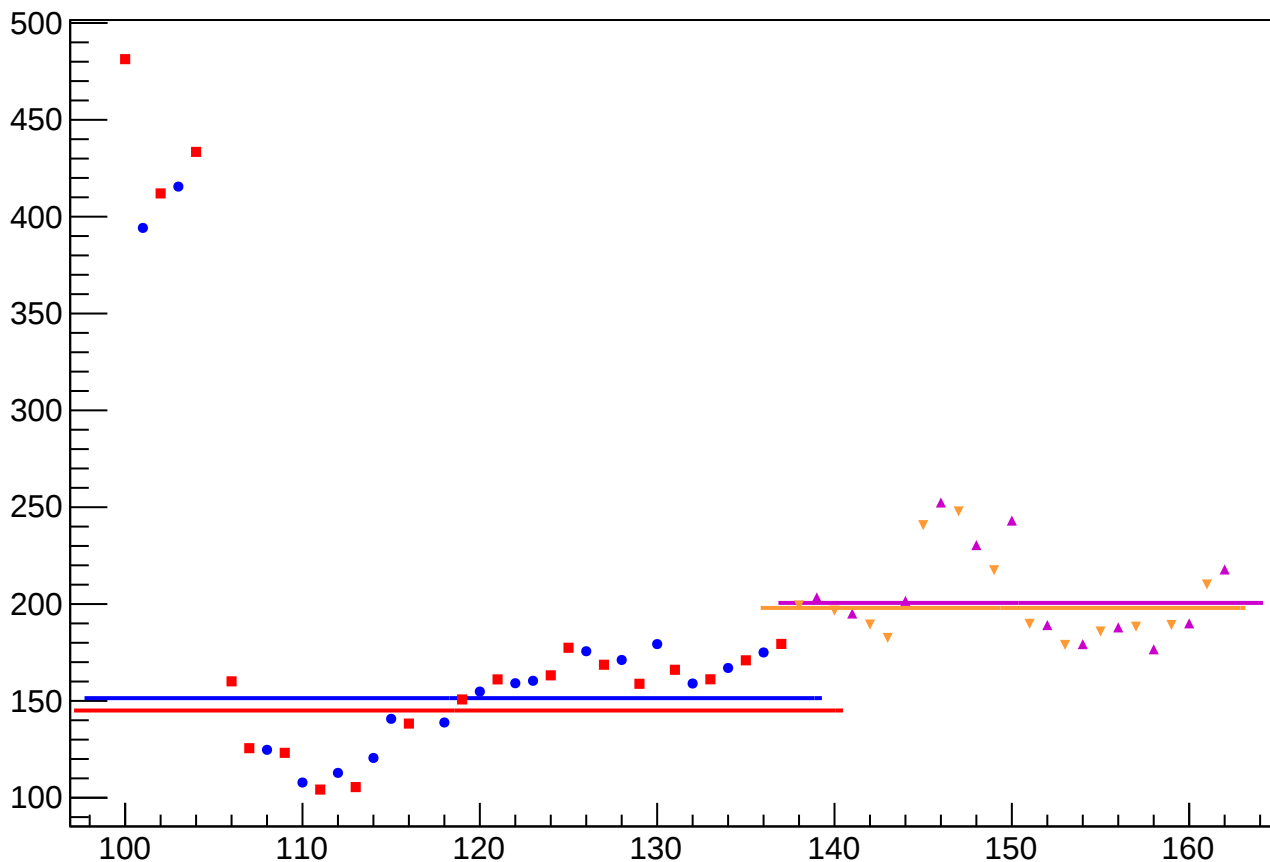
yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 $\pm$ 0.062 χ^2 /NDF: 199263428.7/16
 Left Out: 147615.119 $\pm$ 0.064 χ^2 /NDF: 1167357270.2/12
 Right Out: 147709.723 $\pm$ 0.058 χ^2 /NDF: 203906685.9/18
 Left In: 146590.168 $\pm$ 0.065 χ^2 /NDF: 2273100494.9/11

+ sign 147615.649 $\pm$ 0.045 χ^2 /NDF: 1366620831.2
 All: 147407.777 $\pm$ 0.031 χ^2 /NDF: 404930438
 - sign 147211.922 $\pm$ 0.043 χ^2 /NDF: 2640830737.5/

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 197.997+/-0.045 χ^2/NDF : 175405.7/12

Right Out: 145.039+/-0.041 χ^2/NDF : 1375972.0/18

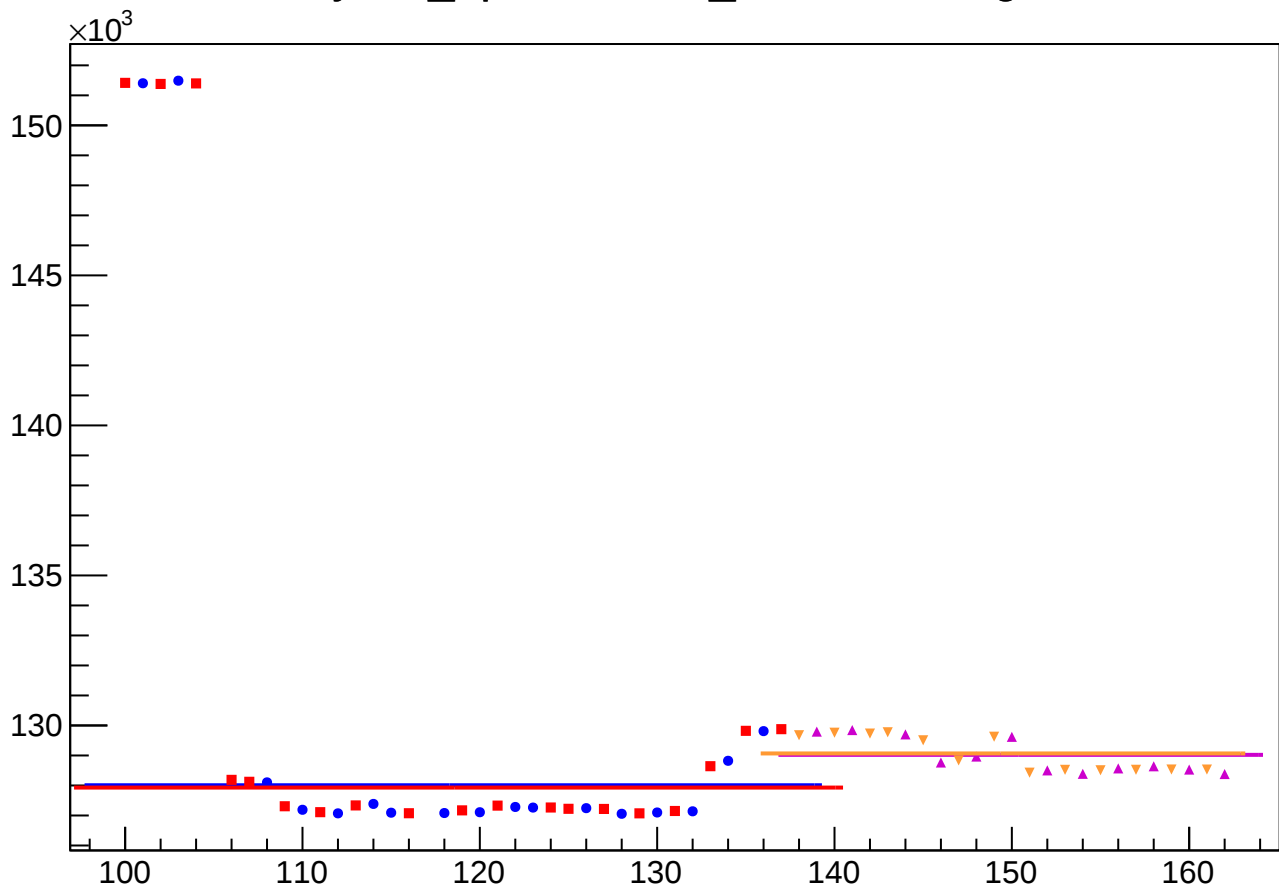
Left In: 200.592+/-0.046 χ^2/NDF : 228412.5/11

+ sign 174.077+/-0.032 χ^2/NDF : 1973693.1/29

All: 171.844+/-0.022 χ^2/NDF : 4394464.6/60

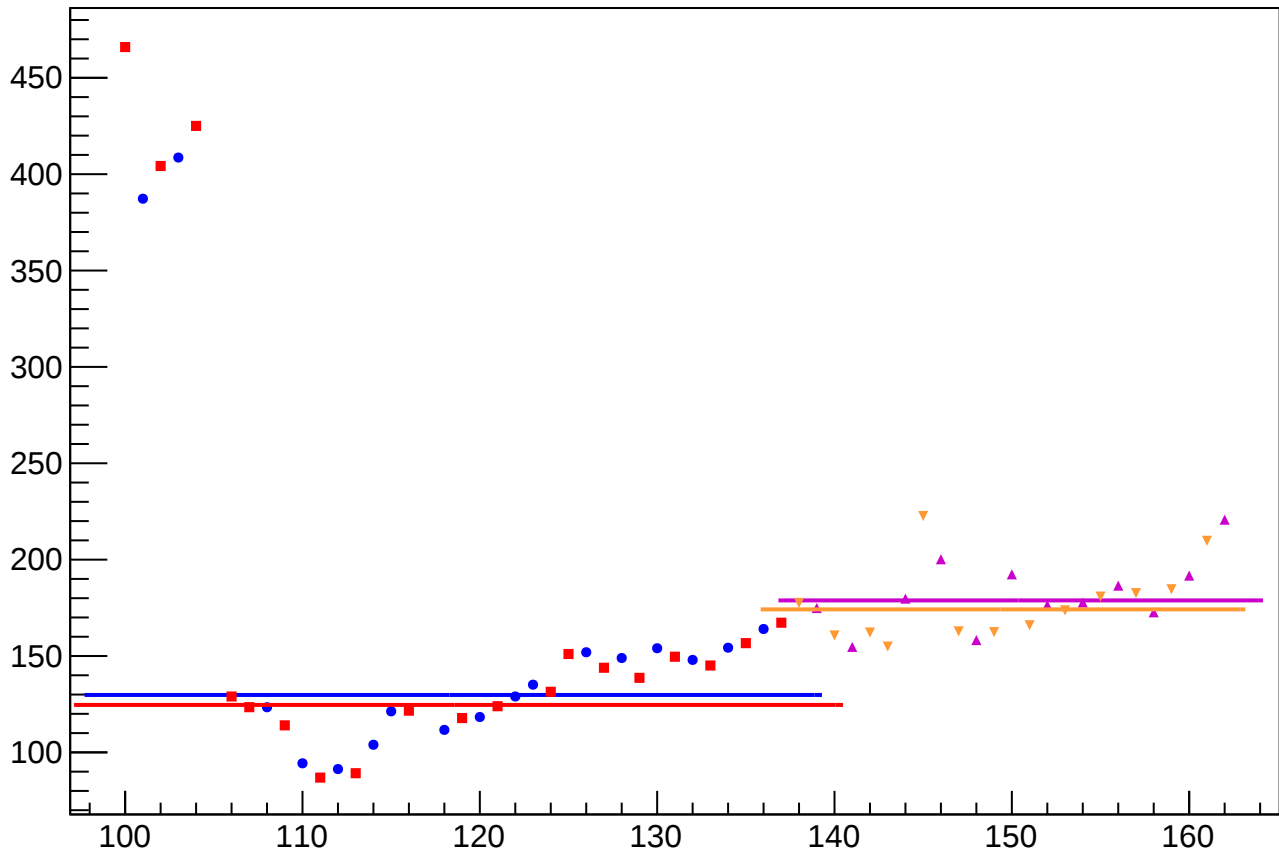
- sign 169.741+/-0.031 χ^2/NDF : 2411115.1/30

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364+/-0.054	χ^2/NDF : 4319785674.5/16	+ sign 128515.844+/-0.039	χ^2/NDF : 4606963698.6
Left Out: 129067.515+/-0.056	χ^2/NDF : 103157137.7/12	All: 128455.930+/-0.027	χ^2/NDF : 867779193
Right Out: 127930.136+/-0.050	χ^2/NDF : 3768176193.0/18	- sign 128399.070+/-0.038	χ^2/NDF : 4066238478.9
Left In: 129020.521+/-0.058	χ^2/NDF : 96618352.7/11		

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 ± 0.038 χ^2/NDF : 1485294.2/16

Left Out: 174.196 ± 0.040 χ^2/NDF : 185152.1/12

Right Out: 124.625 ± 0.036 χ^2/NDF : 1531827.4/18

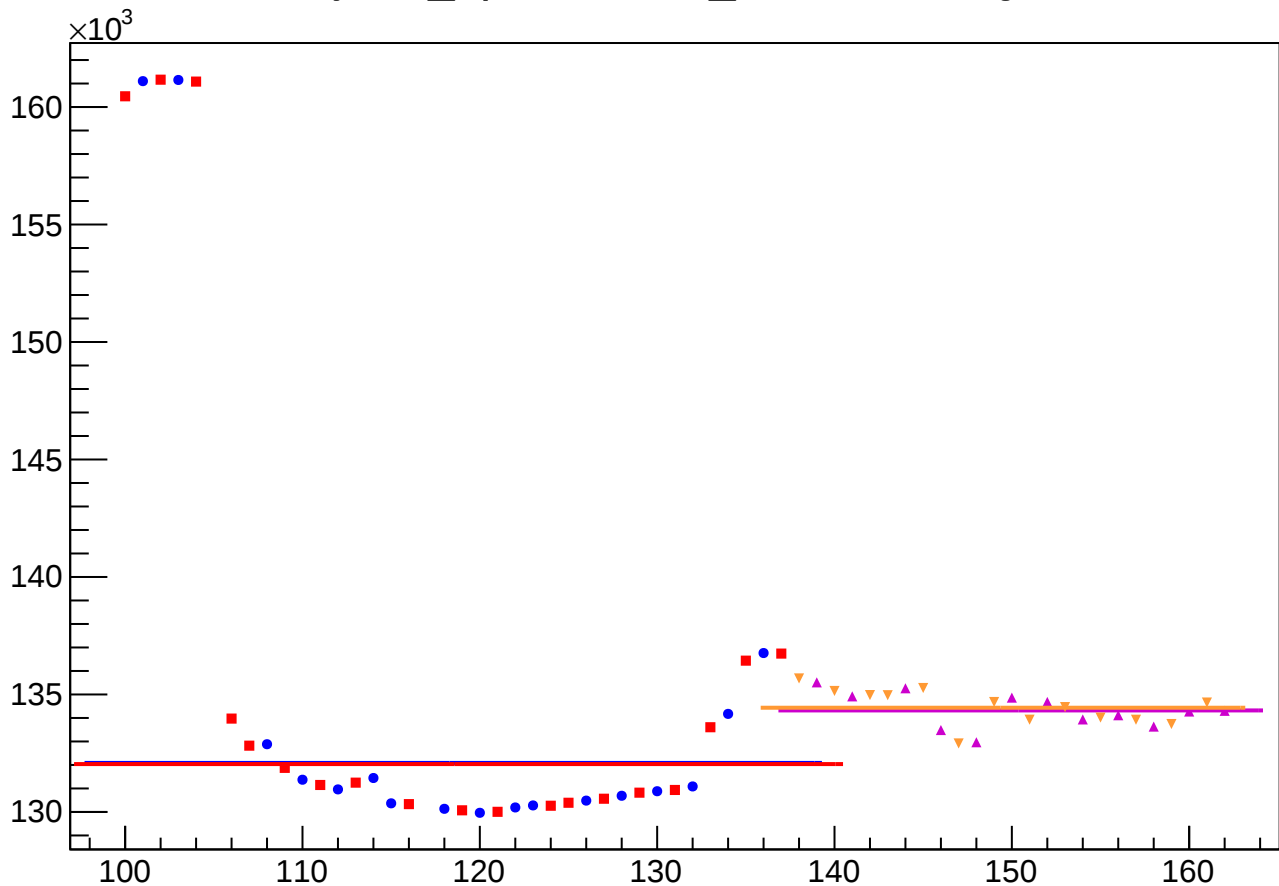
Left In: 178.852 ± 0.041 χ^2/NDF : 162365.7/11

+ sign 151.091 ± 0.028 χ^2/NDF : 2315979.9/29

All: 149.477 ± 0.019 χ^2/NDF : 5013297.7/60

- sign 147.946 ± 0.027 χ^2/NDF : 2690656.6/30

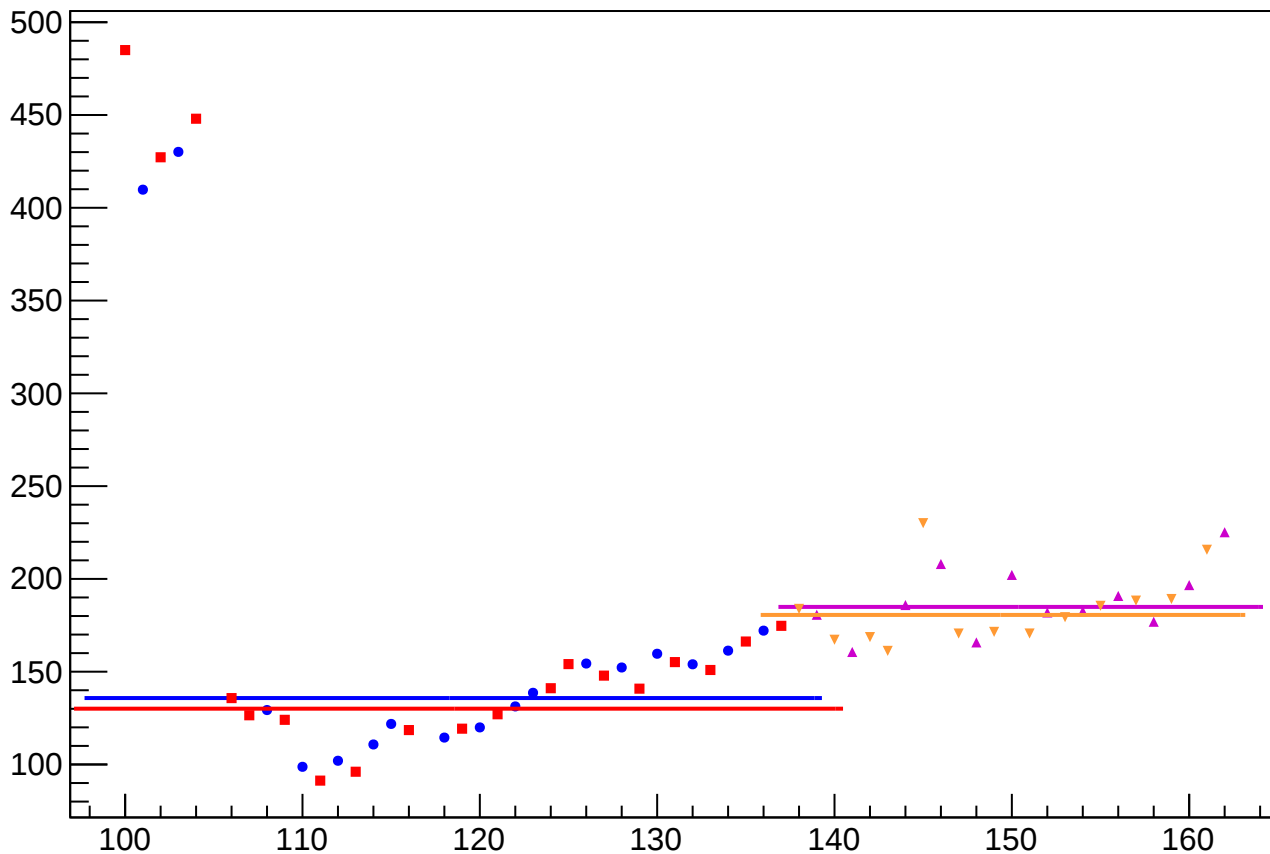
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134435.701 $\pm$ 0.058 χ^2 /NDF:160475322.8/12
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134320.887 $\pm$ 0.060 χ^2 /NDF:155570918.6/11

+ sign 133222.309 $\pm$ 0.041 χ^2 /NDF: 7728491215.7/16
 - sign 133029.154 $\pm$ 0.040 χ^2 /NDF: 6858240512.5/16
 All: 133123.040 $\pm$ 0.028 χ^2 /NDF: 145983489.1/16

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 ± 0.040 χ^2/NDF : 1441904.9/16

Left Out: 180.588 ± 0.041 χ^2/NDF : 168642.8/12

Right Out: 130.070 ± 0.037 χ^2/NDF : 1503997.6/18

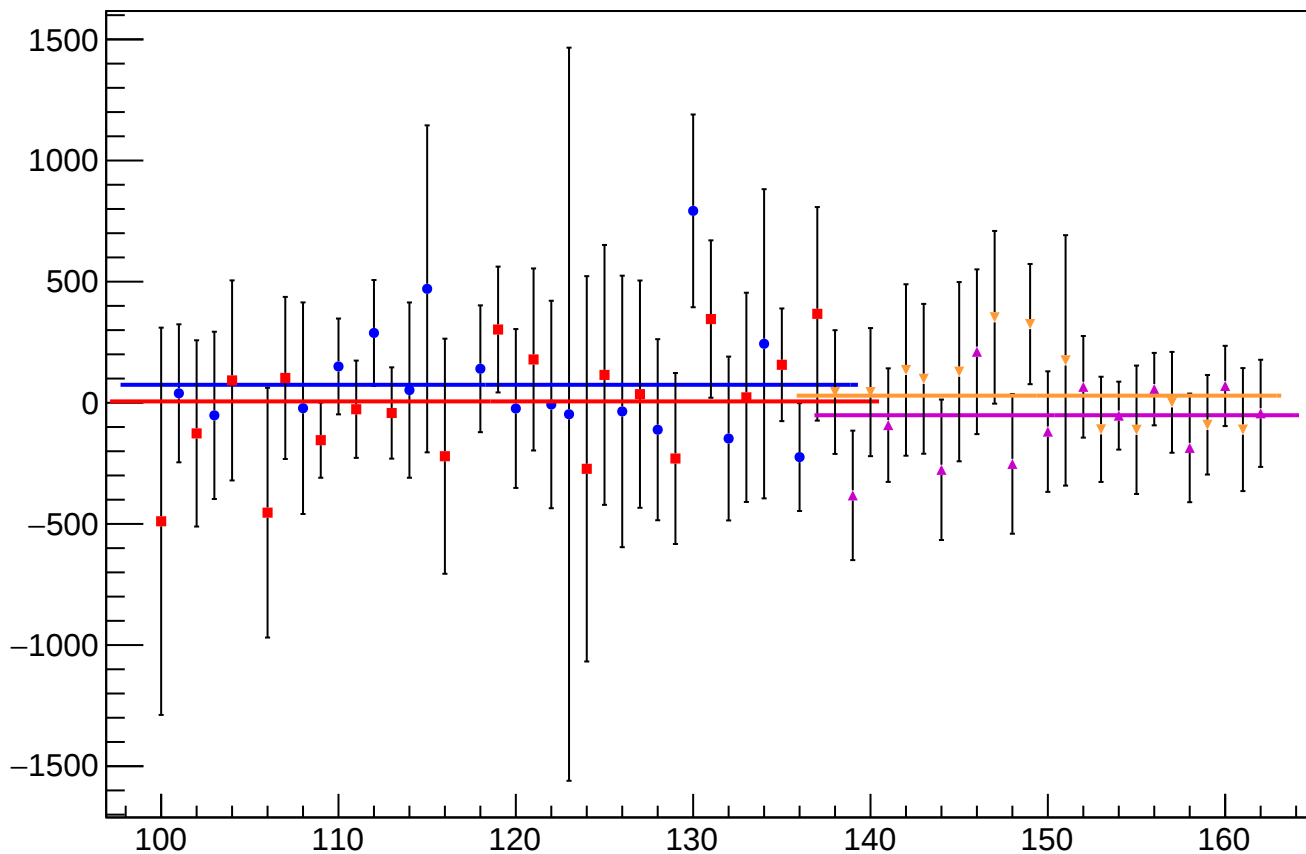
Left In: 184.911 ± 0.042 χ^2/NDF : 152399.0/11

+ sign 157.450 ± 0.029 χ^2/NDF : 2217671.3/29

All: 155.618 ± 0.020 χ^2/NDF : 4828681.8/60

- sign 153.886 ± 0.028 χ^2/NDF : 2603102.1/30

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 29.504+/-74.326 χ^2/NDF : 3.9/12

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

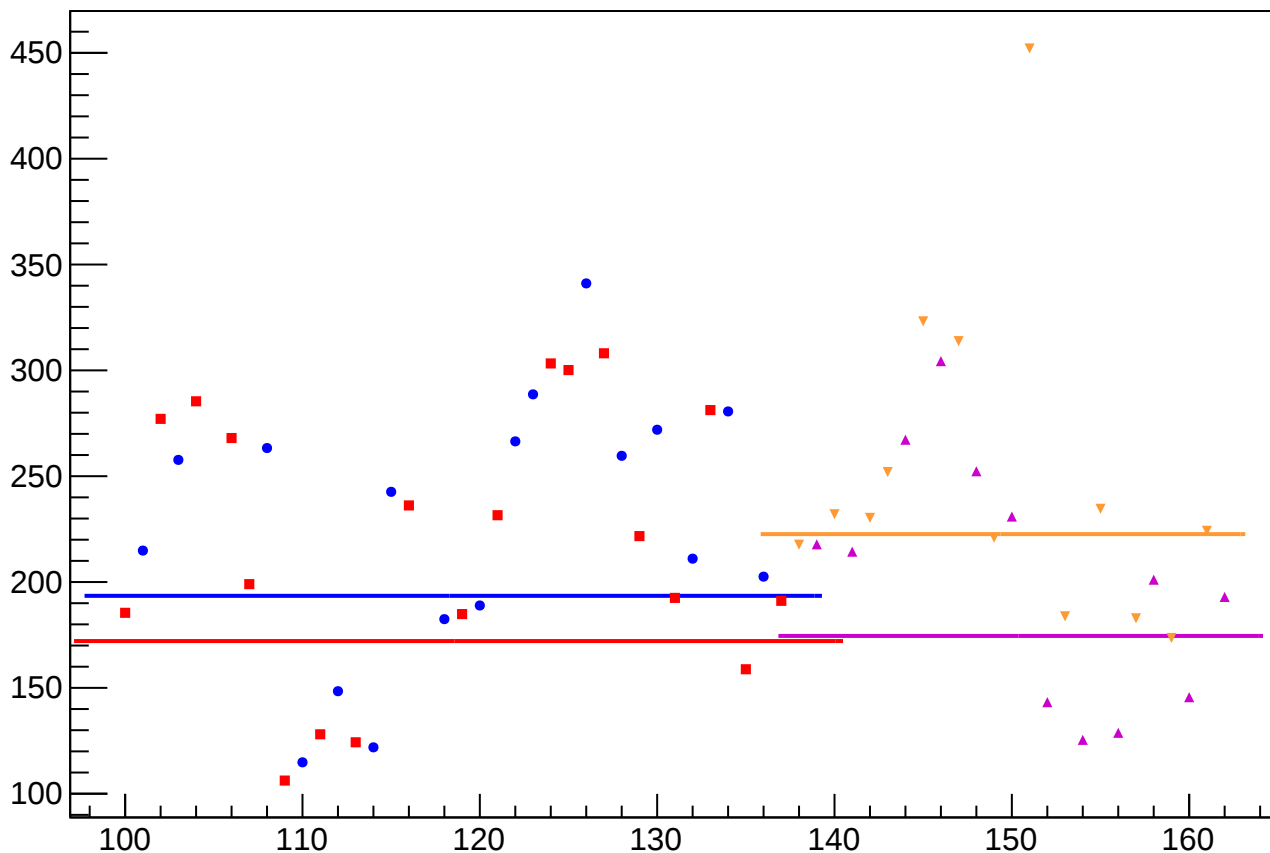
Left In: -51.378+/-60.187 χ^2/NDF : 5.0/11

+ sign 50.530+/-54.139 χ^2/NDF : 11.8/29

All: 5.147+/-34.902 χ^2/NDF : 25.5/60

- sign -27.128+/-45.656 χ^2/NDF : 12.5/30

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 222.631 $\pm$ 0.053 χ^2 /NDF: 950393.4/12

Right Out: 172.122 $\pm$ 0.050 χ^2 /NDF: 1579840.2/18

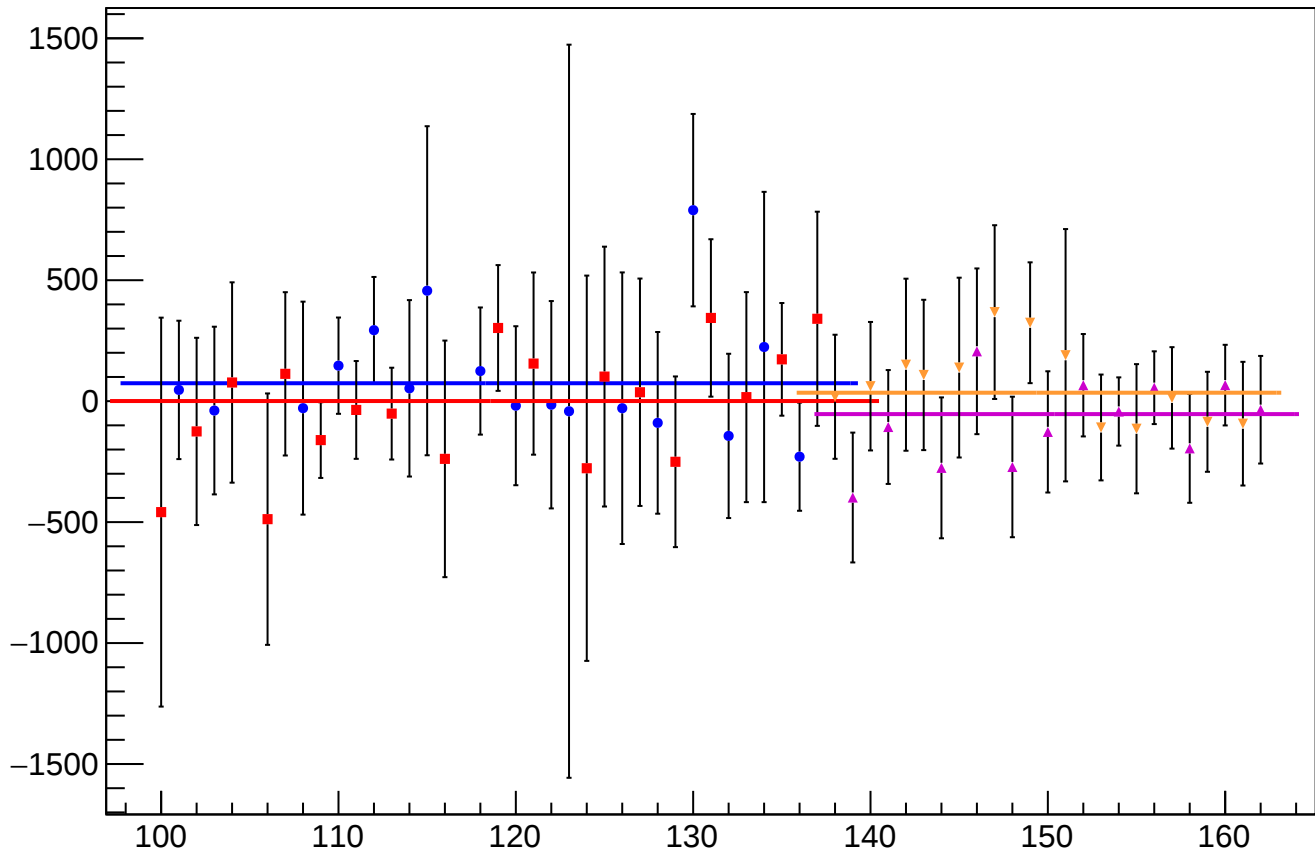
Left In: 174.541 $\pm$ 0.043 χ^2 /NDF: 1434668.9/11

+ sign 208.951 $\pm$ 0.038 χ^2 /NDF: 2111933.8/29

All: 188.242 $\pm$ 0.025 χ^2 /NDF: 5628557.3/60

- sign 173.514 $\pm$ 0.032 χ^2 /NDF: 3015880.2/30

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 34.911+/-74.803 χ^2/NDF : 3.9/12

Right Out: 0.503+/-70.437 χ^2/NDF : 7.3/18

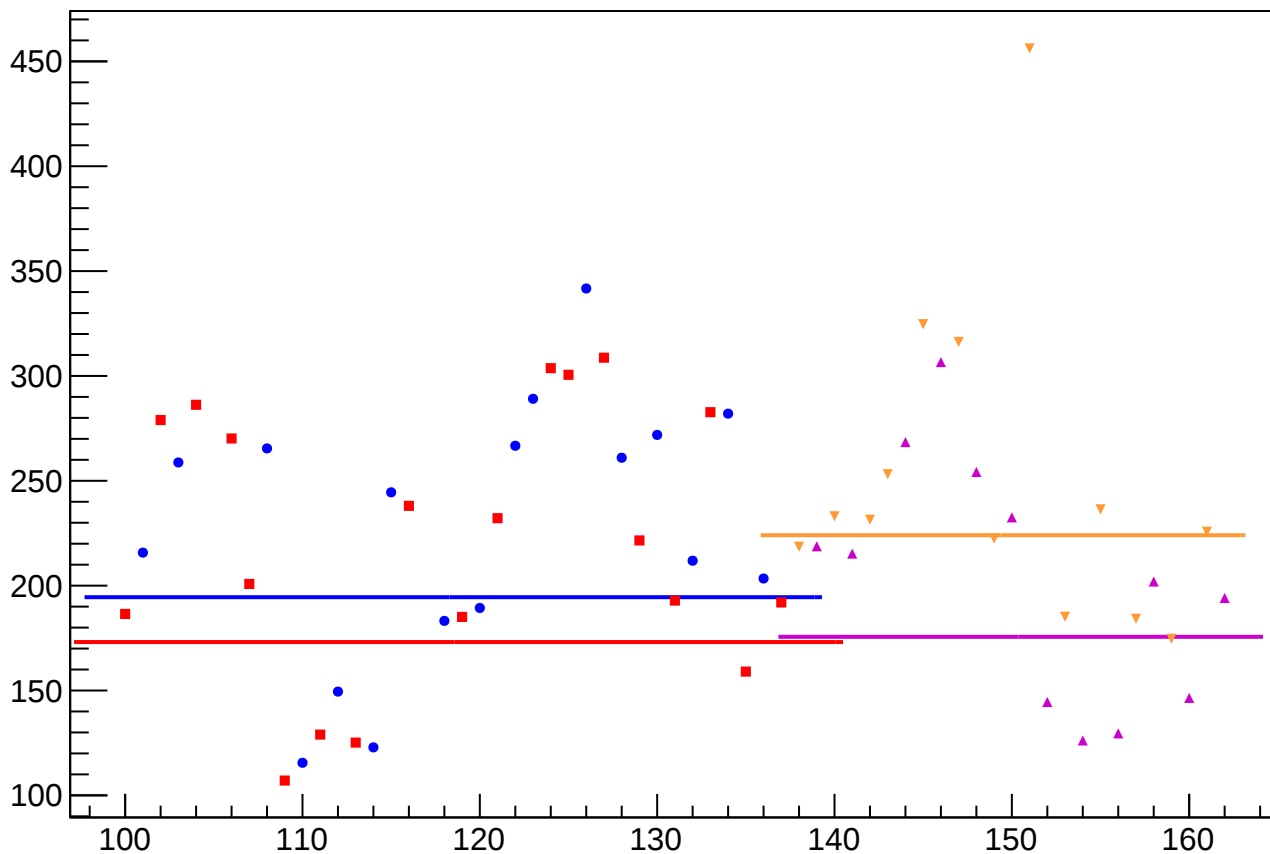
Left In: -53.494+/-60.553 χ^2/NDF : 5.3/11

+ sign 53.336+/-54.447 χ^2/NDF : 11.6/29

All: 4.317+/-35.102 χ^2/NDF : 25.9/60

- sign -30.547+/-45.918 χ^2/NDF : 12.9/30

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 224.054 $\pm$ 0.053 χ^2 /NDF: 949922.6/12

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

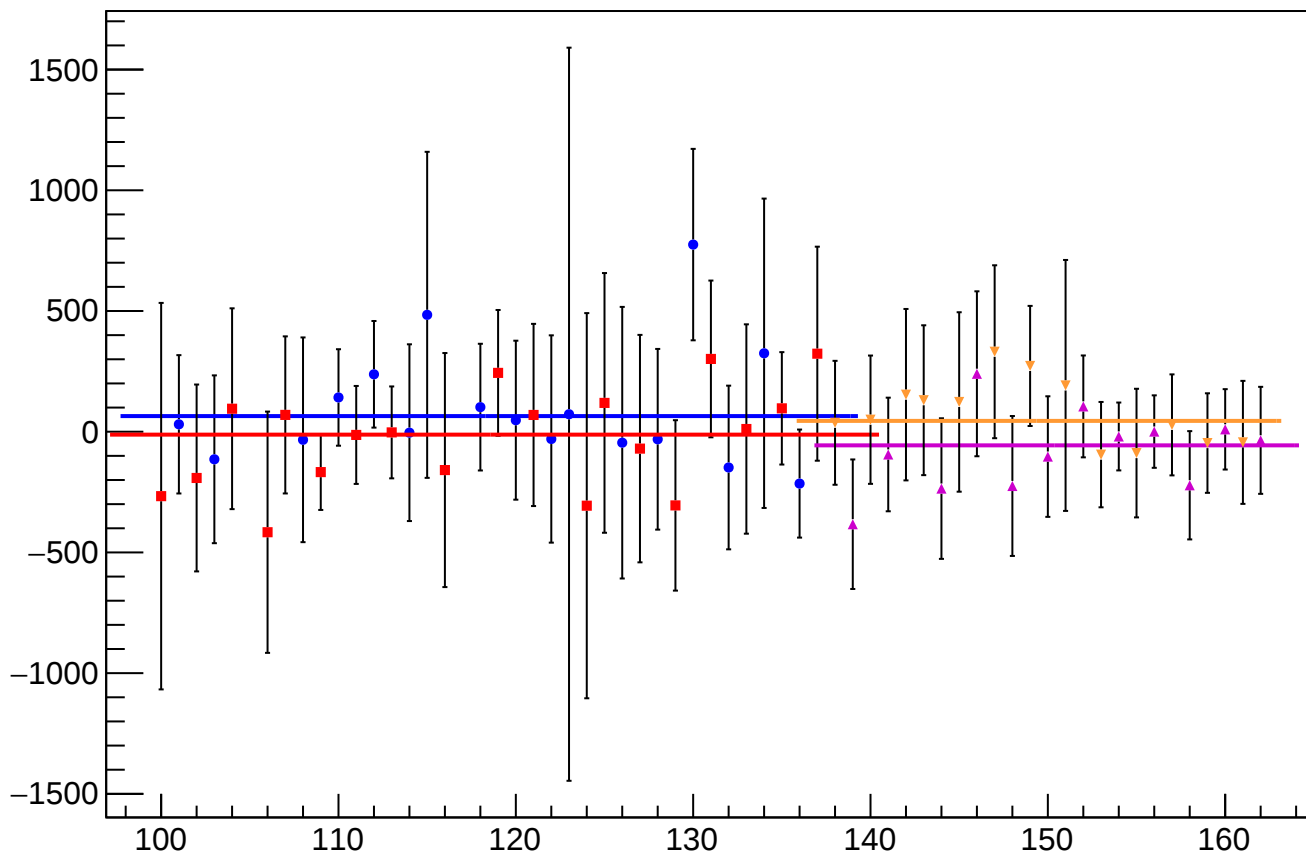
Left In: 175.602 $\pm$ 0.043 χ^2 /NDF: 1432675.7/11

+ sign 210.156 $\pm$ 0.039 χ^2 /NDF: 2105264.2/29

All: 189.345 $\pm$ 0.025 χ^2 /NDF: 5606758.6/60

- sign 174.544 $\pm$ 0.032 χ^2 /NDF: 3001488.3/30

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 44.825 ± 74.647 χ^2/NDF : 2.8/12

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

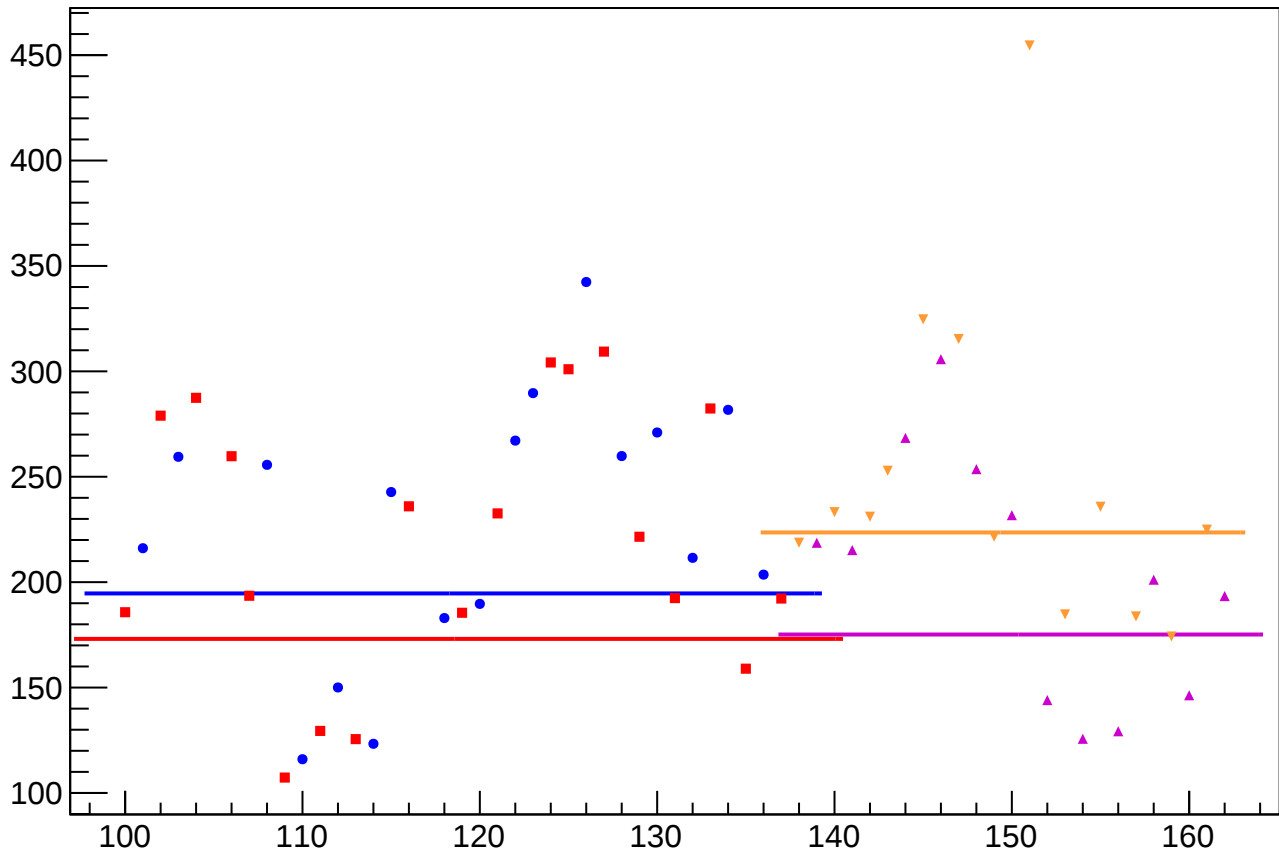
Left In: -56.482 ± 60.406 χ^2/NDF : 4.5/11

+ sign 54.165 ± 54.386 χ^2/NDF : 9.8/29

All: 0.479 ± 35.047 χ^2/NDF : 22.0/60

- sign -37.648 ± 45.832 χ^2/NDF : 10.6/30

asym_bcm_an_us_rms vs Slug



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 223.579+/-0.053 χ^2/NDF : 951446.7/12

Right Out: 173.089+/-0.050 χ^2/NDF : 1544540.9/18

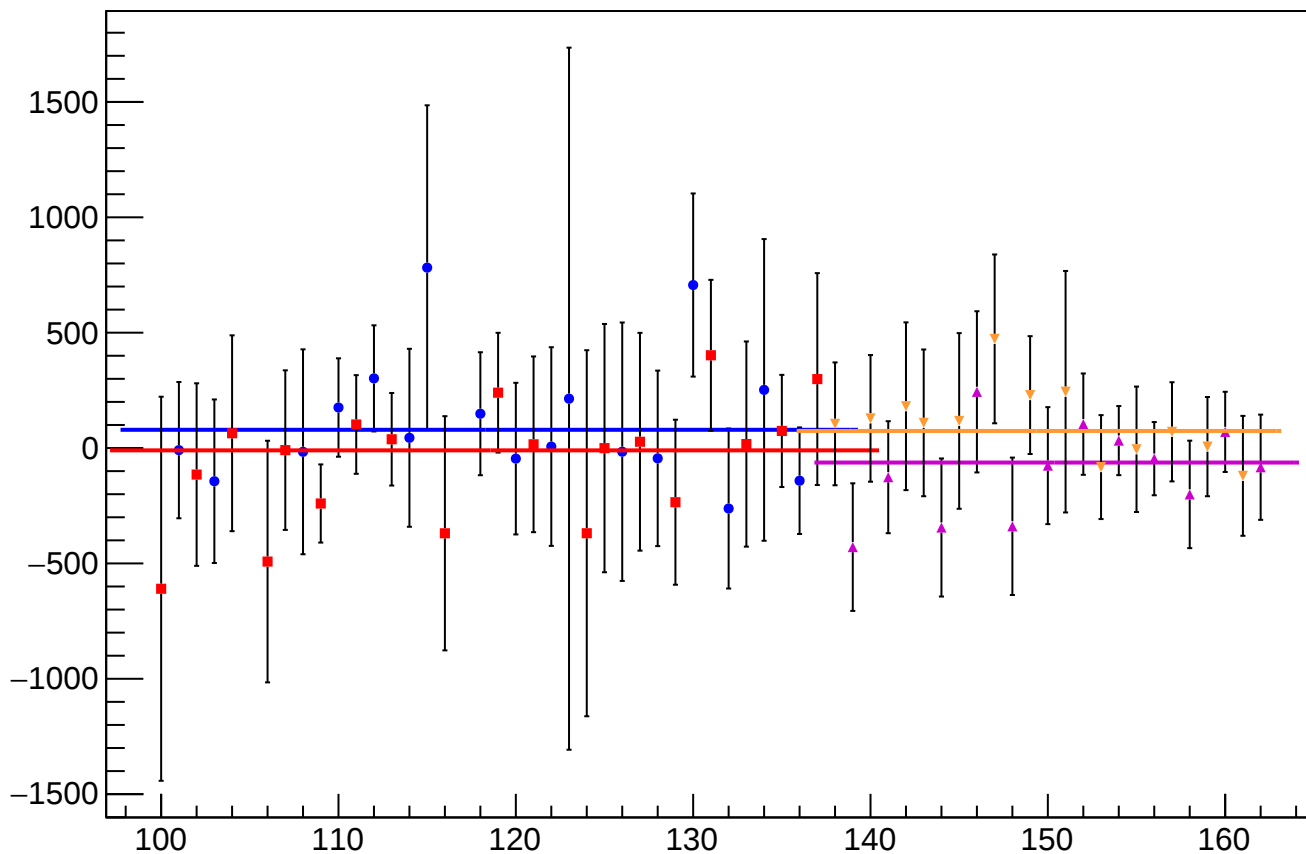
Left In: 175.161+/-0.043 χ^2/NDF : 1435986.3/11

+ sign 210.007+/-0.038 χ^2/NDF : 2079158.5/29

All: 189.117+/-0.025 χ^2/NDF : 5565300.2/60

- sign 174.282+/-0.032 χ^2/NDF : 2981525.8/30

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 74.137 $\pm$ 76.800 χ^2 /NDF: 3.1/12

Right Out: -9.982 $\pm$ 73.310 χ^2 /NDF: 7.9/18

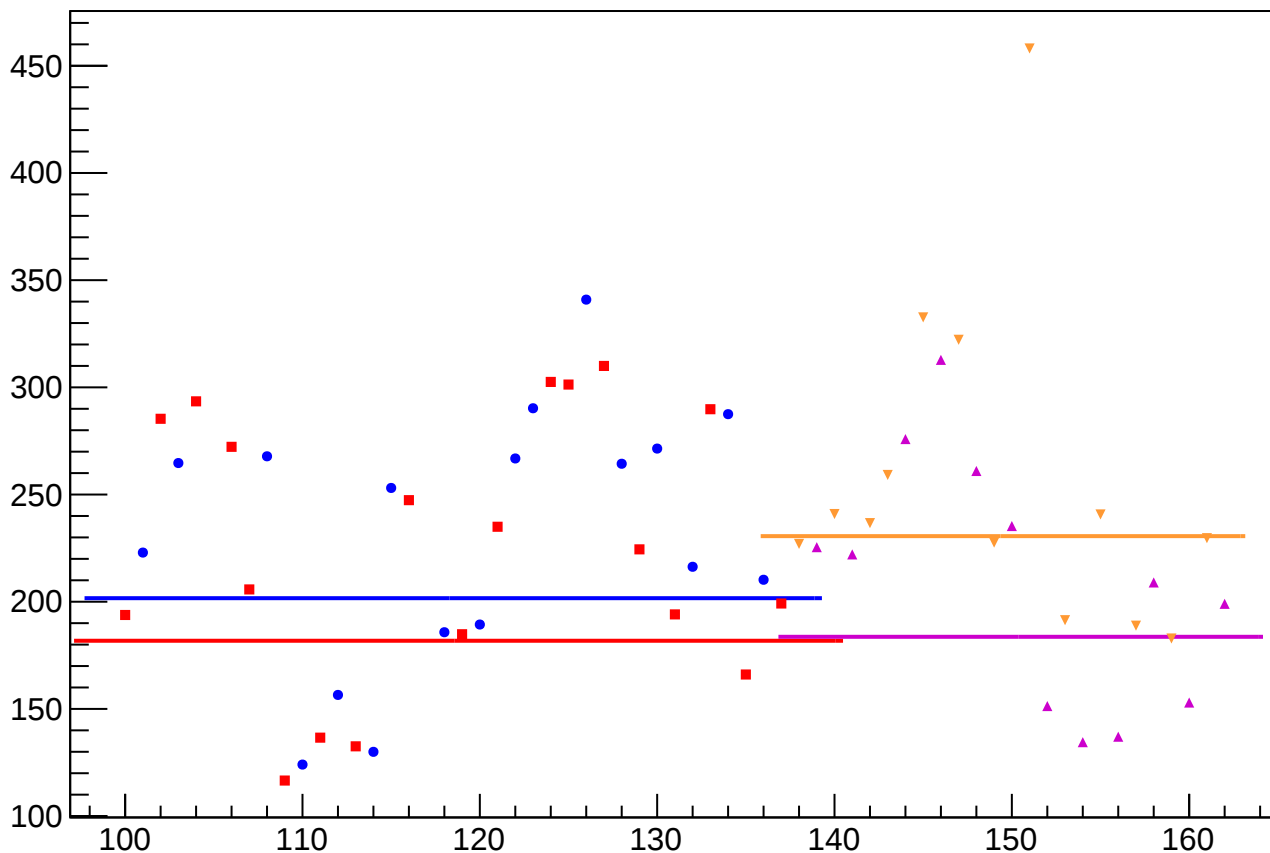
Left In: -62.826 $\pm$ 62.980 χ^2 /NDF: 6.3/11

+ sign 76.473 $\pm$ 56.014 χ^2 /NDF: 10.6/29

All: 8.822 $\pm$ 36.348 χ^2 /NDF: 27.5/60

- sign -40.386 $\pm$ 47.772 χ^2 /NDF: 14.4/30

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 230.594 $\pm$ 0.054 χ^2 /NDF: 904693.5/12

Right Out: 181.797 $\pm$ 0.052 χ^2 /NDF: 1377449.9/18

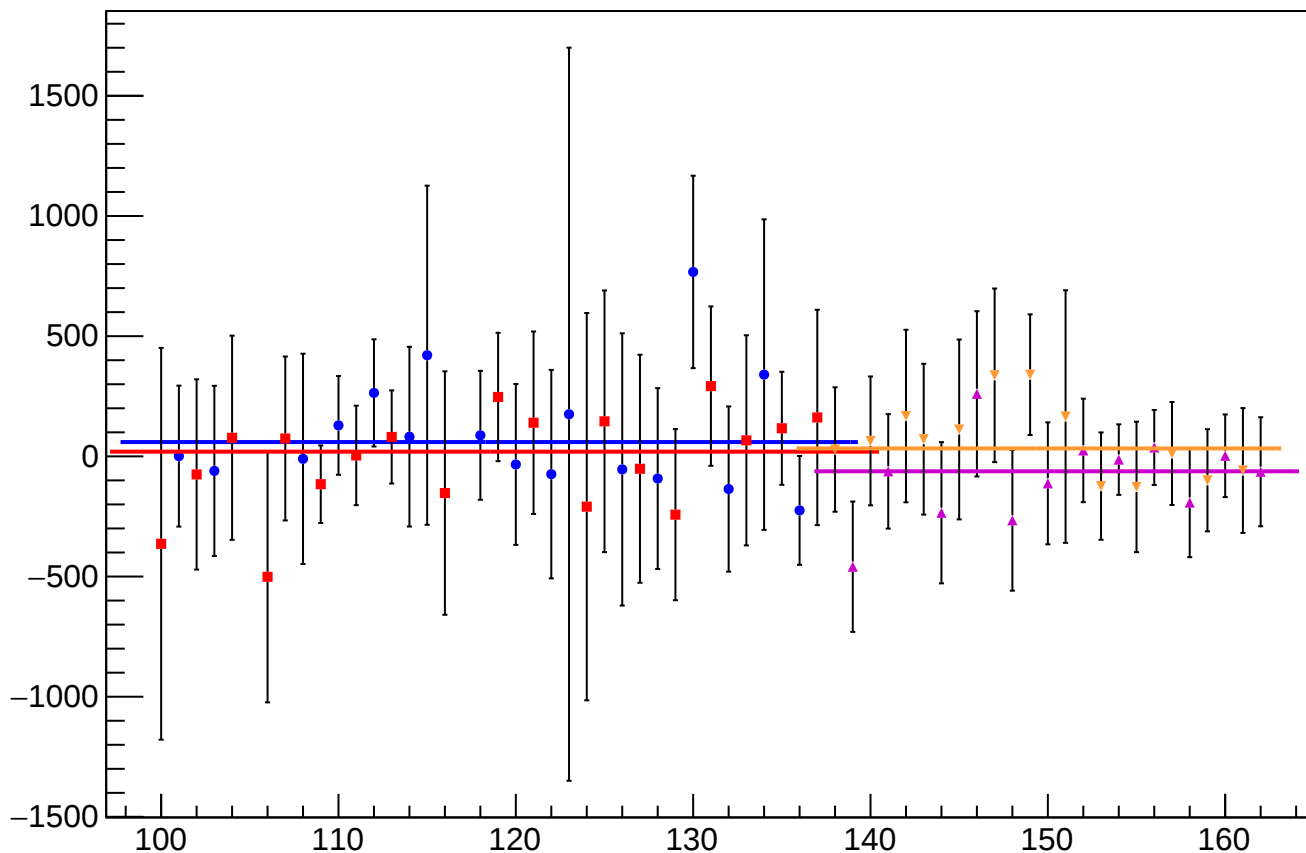
Left In: 183.641 $\pm$ 0.045 χ^2 /NDF: 1304007.3/11

+ sign 217.049 $\pm$ 0.040 χ^2 /NDF: 1920797.7/29

All: 197.256 $\pm$ 0.026 χ^2 /NDF: 5034371.0/60

- sign 182.858 $\pm$ 0.034 χ^2 /NDF: 2682185.1/30

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496+/-80.808 χ^2/NDF : 7.0/16

Left Out: 32.905+/-75.932 χ^2/NDF : 3.8/12

Right Out: 19.541+/-71.866 χ^2/NDF : 4.7/18

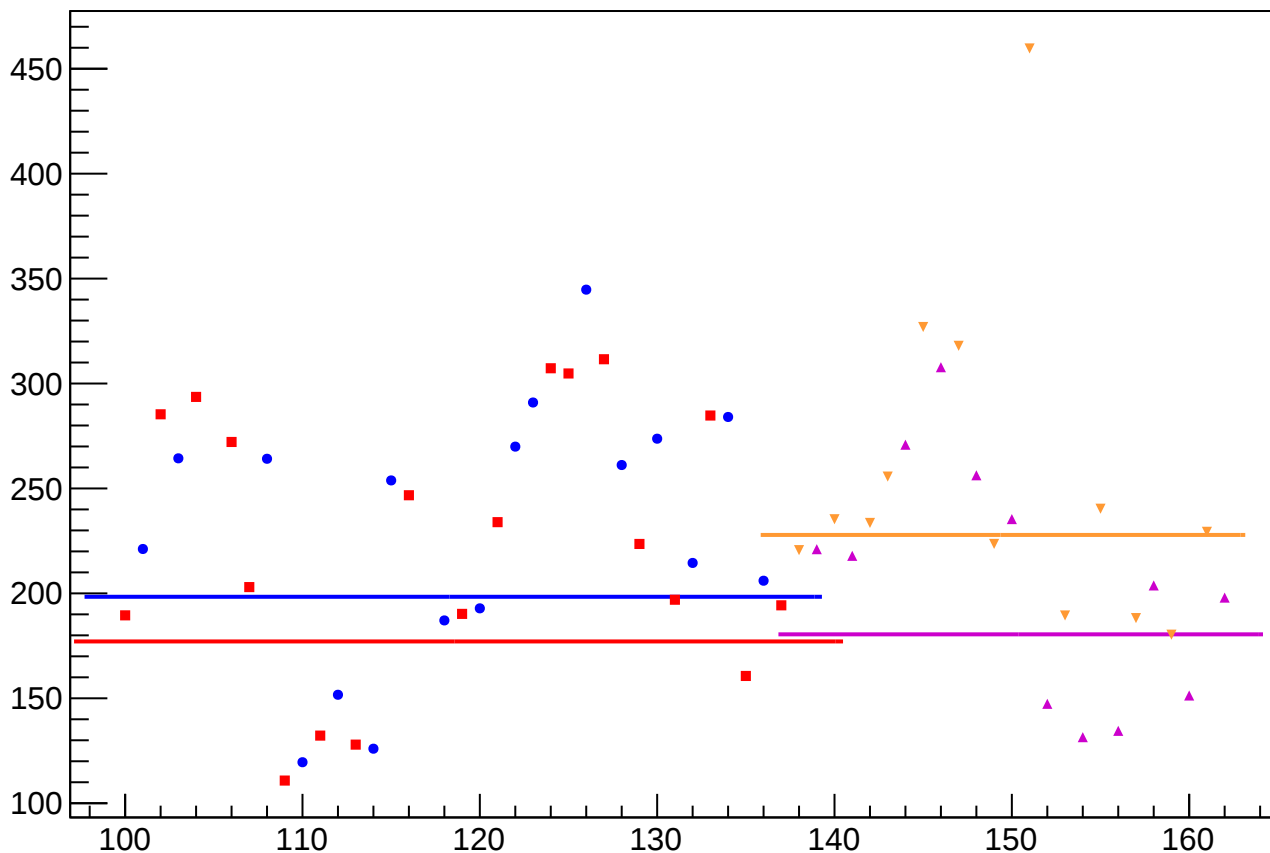
Left In: -62.156+/-61.990 χ^2/NDF : 5.0/11

+ sign 45.374+/-55.336 χ^2/NDF : 10.9/29

All: 3.110+/-35.796 χ^2/NDF : 22.4/60

- sign -27.303+/-46.940 χ^2/NDF : 10.5/30

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 227.848 $\pm$ 0.054 χ^2 /NDF: 905695.3/12

Right Out: 177.096 $\pm$ 0.051 χ^2 /NDF: 1524763.6/18

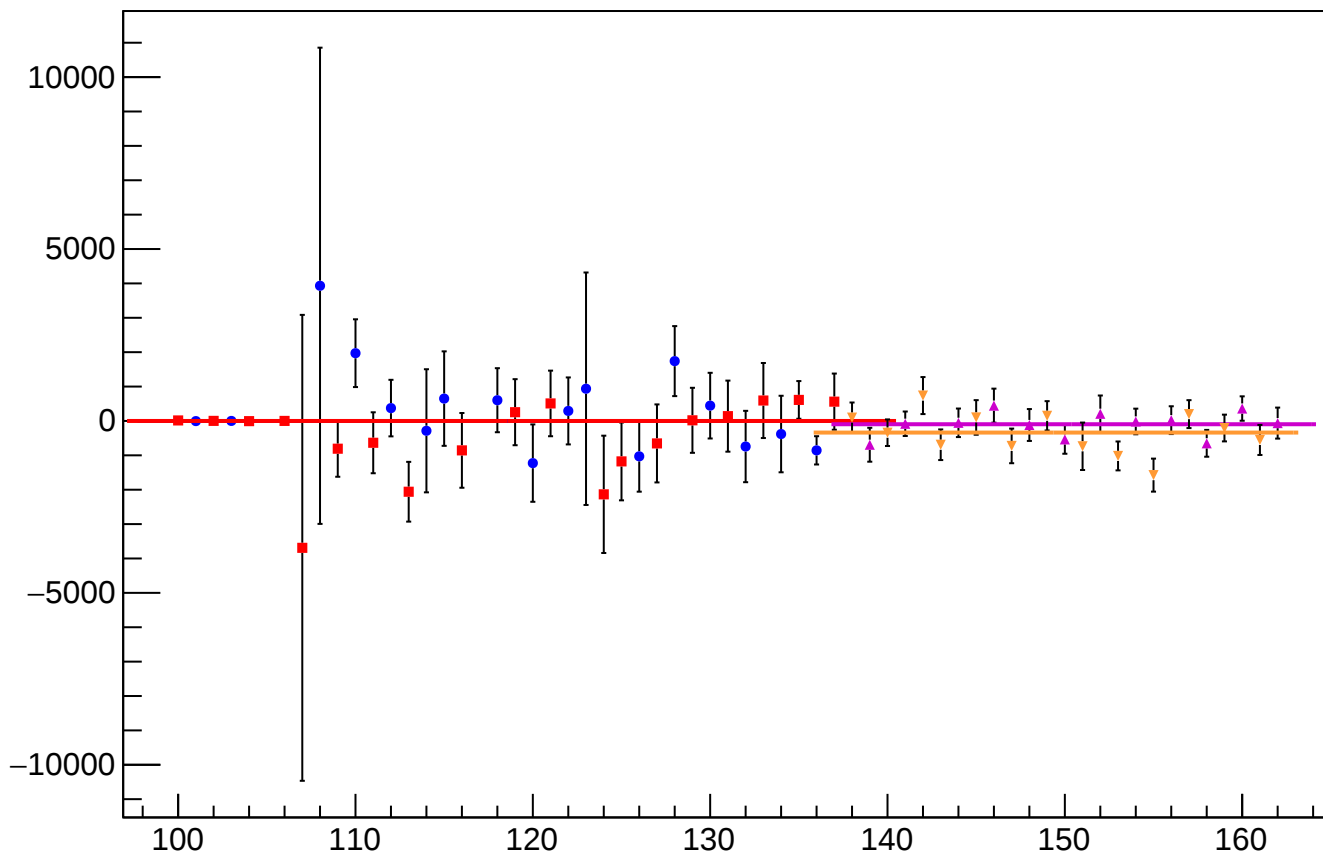
Left In: 180.481 $\pm$ 0.044 χ^2 /NDF: 1320037.5/11

+ sign 214.029 $\pm$ 0.039 χ^2 /NDF: 2010628.4/29

All: 193.680 $\pm$ 0.025 χ^2 /NDF: 5323068.2/60

- sign 179.037 $\pm$ 0.033 χ^2 /NDF: 2847345.2/30

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -338.063 ± 125.199 χ^2/NDF : 20.0/12

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

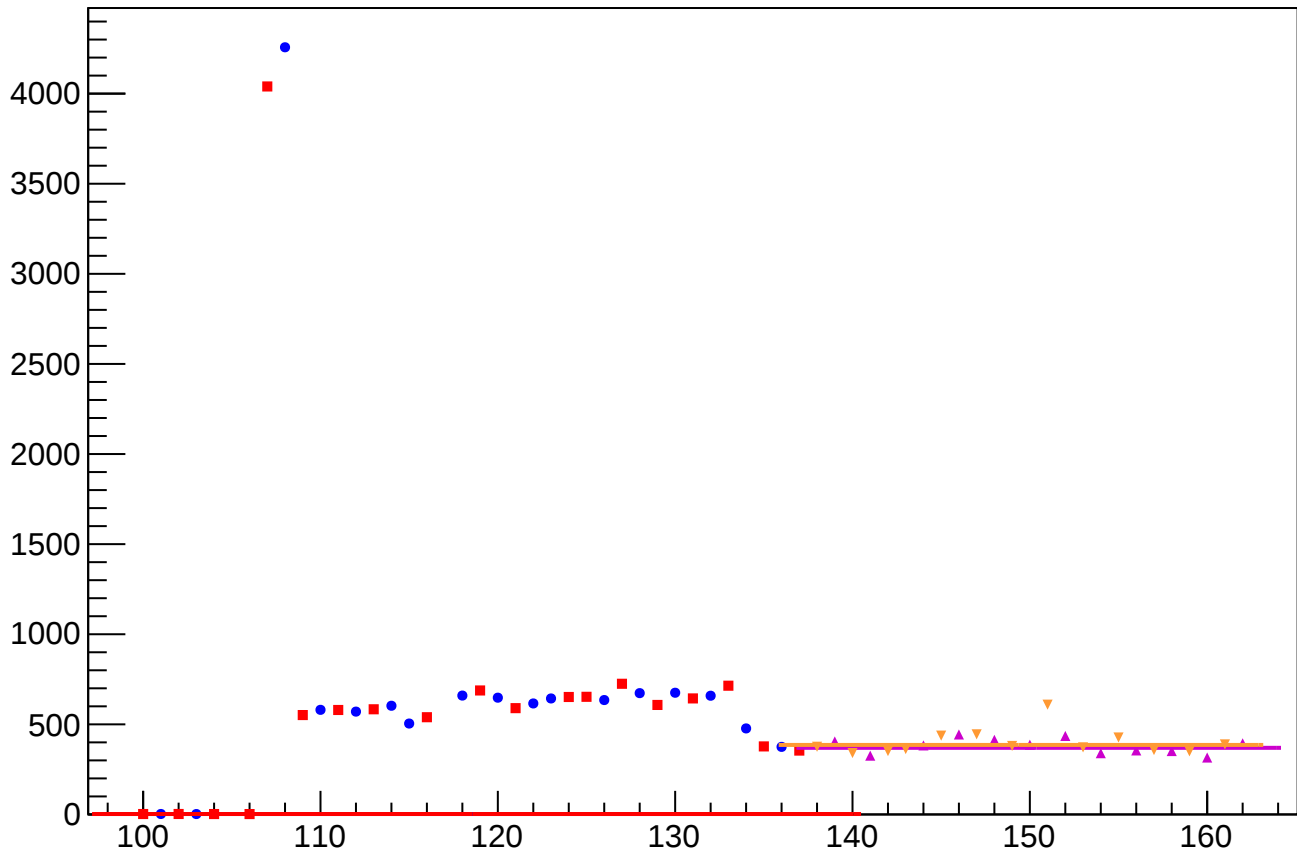
Left In: -95.705 ± 120.753 χ^2/NDF : 7.9/11

+ sign -1.638 ± 2.251 χ^2/NDF : 44.2/29

All: -1.169 ± 1.540 χ^2/NDF : 72.1/60

- sign -0.756 ± 2.111 χ^2/NDF : 27.9/30

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 385.786+/-0.089 χ^2/NDF : 343429.6/12

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

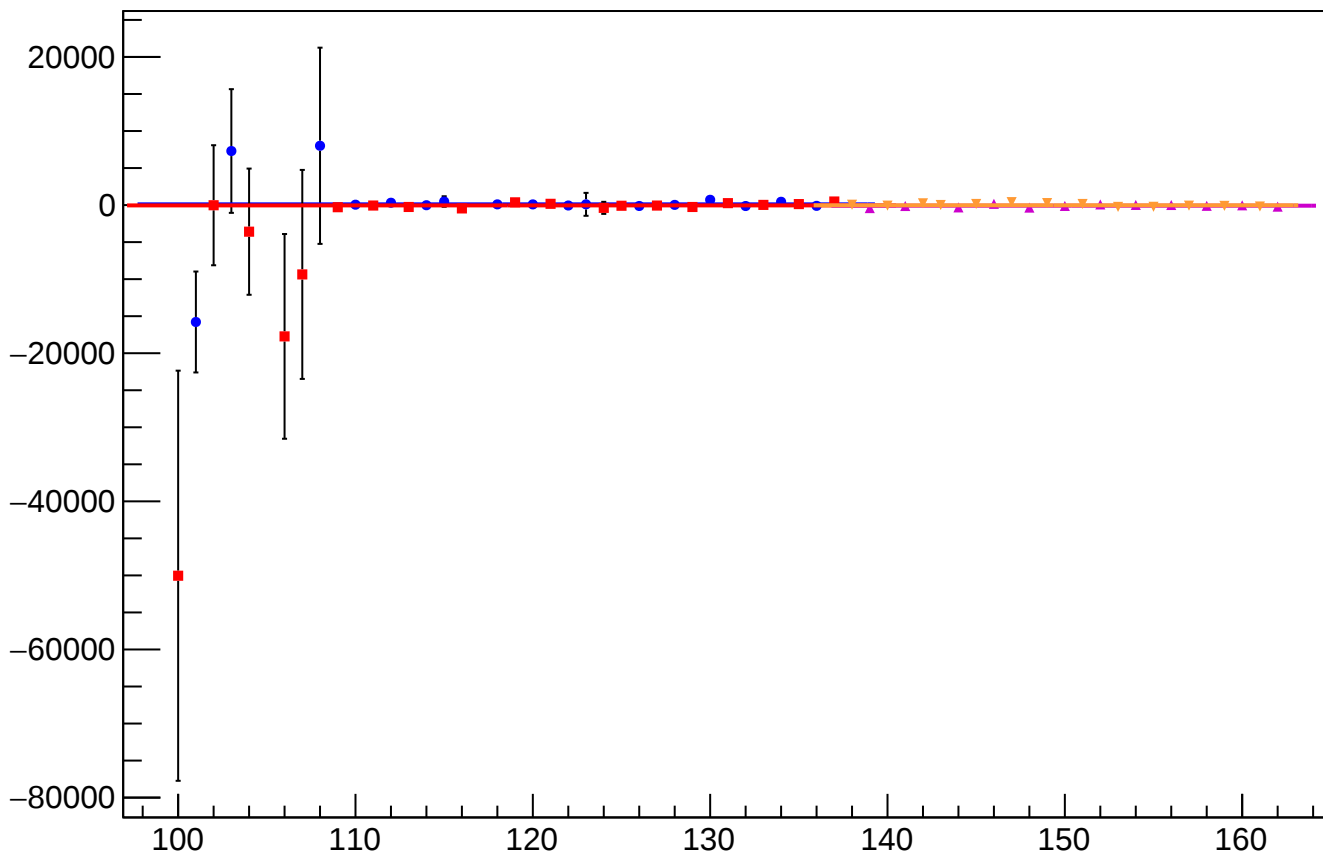
Left In: 369.735+/-0.085 χ^2/NDF : 211293.3/11

+ sign 2.581+/-0.002 χ^2/NDF : 29934000.1/29

All: 2.564+/-0.001 χ^2/NDF : 59791646.7/60

- sign 2.549+/-0.001 χ^2/NDF : 29857436.8/30

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -26.120+/-80.829 χ^2/NDF : 5.1/12

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

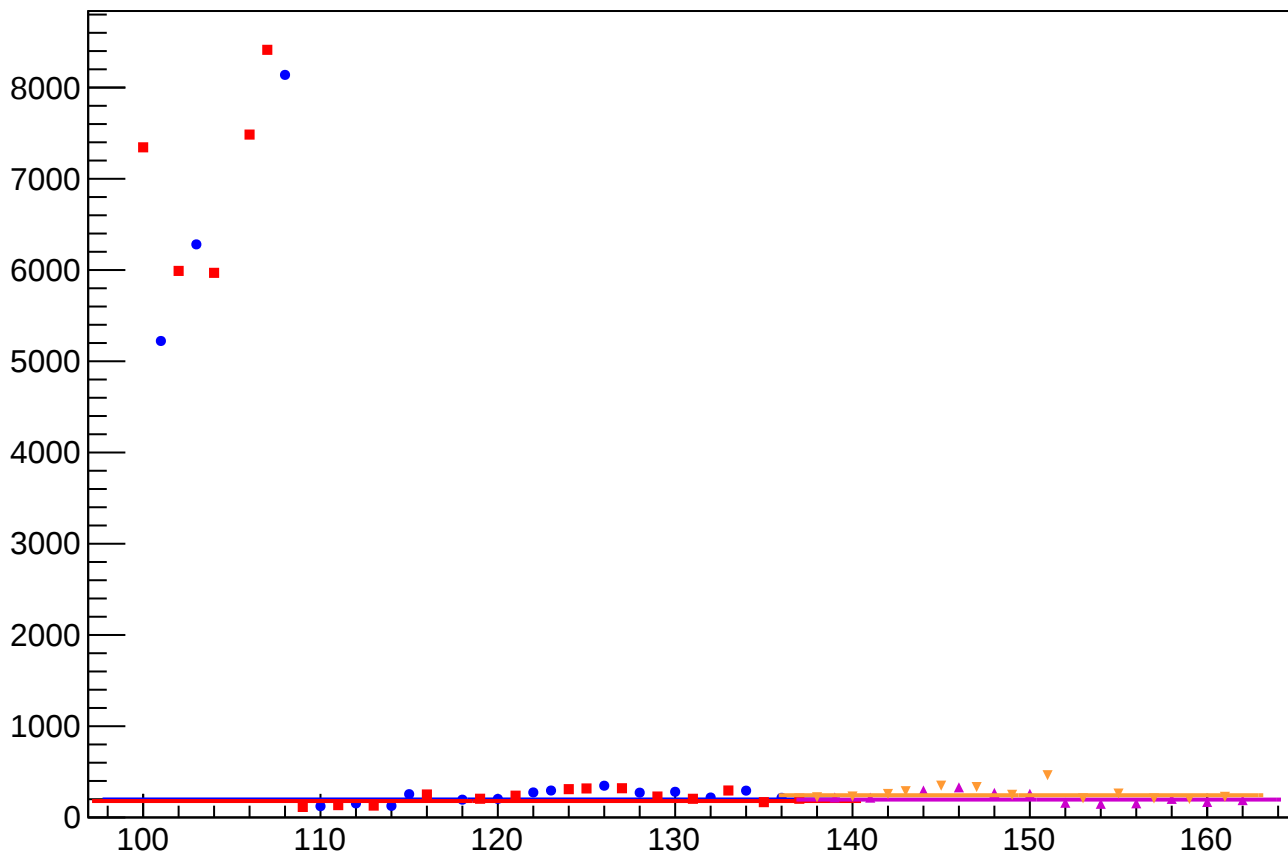
Left In: -82.873+/-66.600 χ^2/NDF : 4.8/11

+ sign 28.997+/-60.391 χ^2/NDF : 18.0/29

All: -26.040+/-39.538 χ^2/NDF : 38.4/60

- sign -67.326+/-52.305 χ^2/NDF : 18.9/30

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 243.672+/-0.057 χ^2/NDF :817954.2/12

Right Out: 179.949+/-0.060 χ^2/NDF : 4321173.8/18

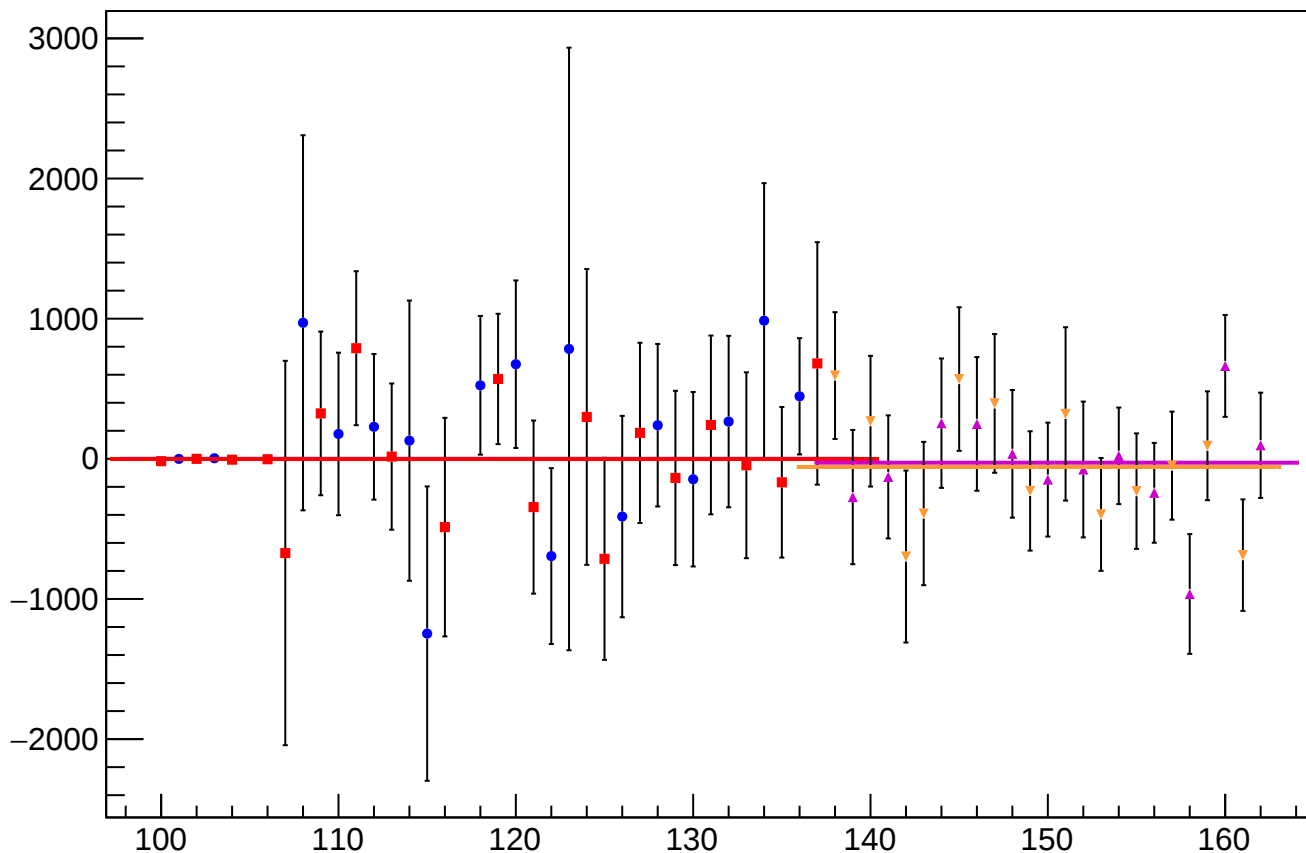
Left In: 195.880+/-0.047 χ^2/NDF :1051439.2/11

+ sign 223.091+/-0.043 χ^2/NDF : 4805076.8/29

All: 204.055+/-0.028 χ^2/NDF : 10569329.0/60

- sign 189.775+/-0.037 χ^2/NDF : 5416462.1/30

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -58.165 ± 125.266 χ^2/NDF : 10.5/12

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

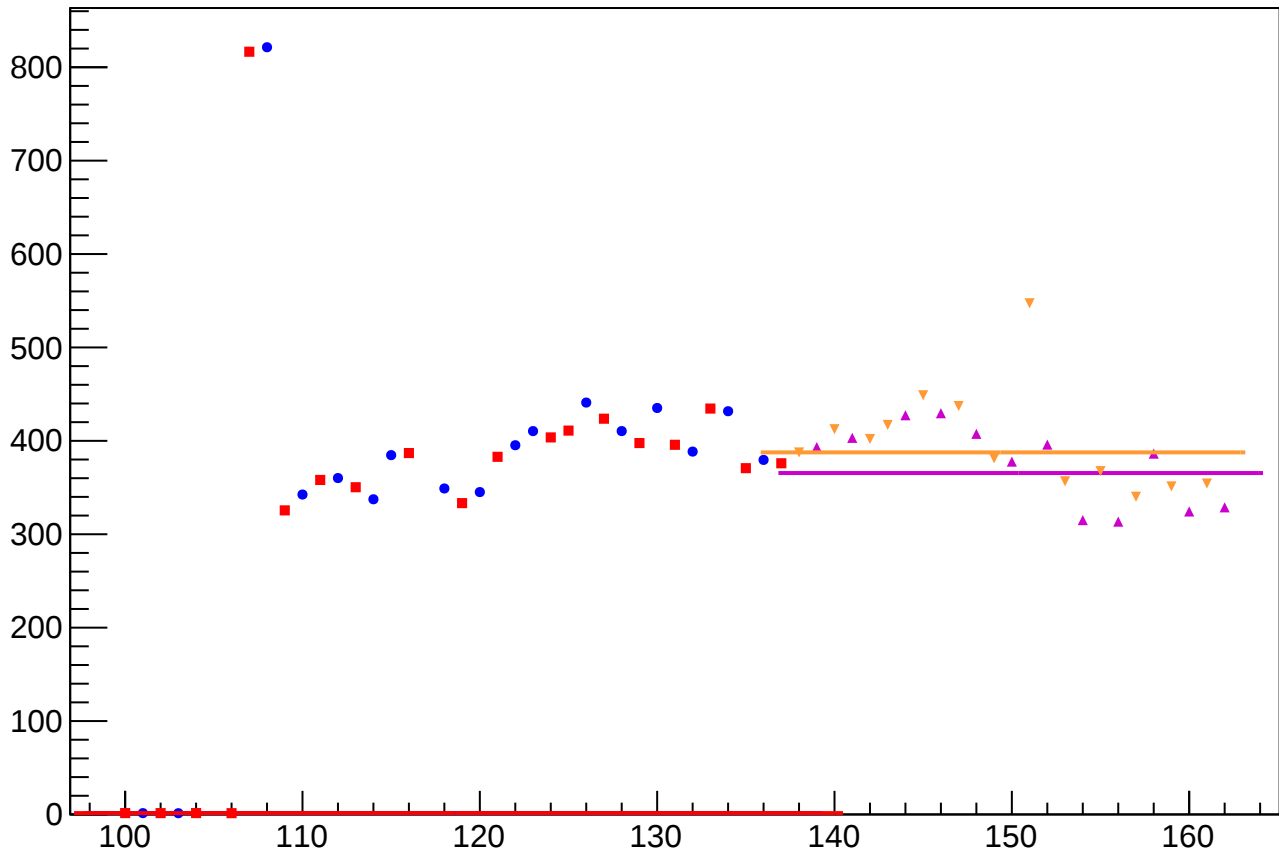
Left In: -27.514 ± 119.333 χ^2/NDF : 10.1/11

+ sign -0.149 ± 1.736 χ^2/NDF : 20.4/29

All: -0.779 ± 1.185 χ^2/NDF : 40.4/60

- sign -1.328 ± 1.622 χ^2/NDF : 19.7/30

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 387.659+/-0.089 χ^2/NDF :274219.9/12

Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

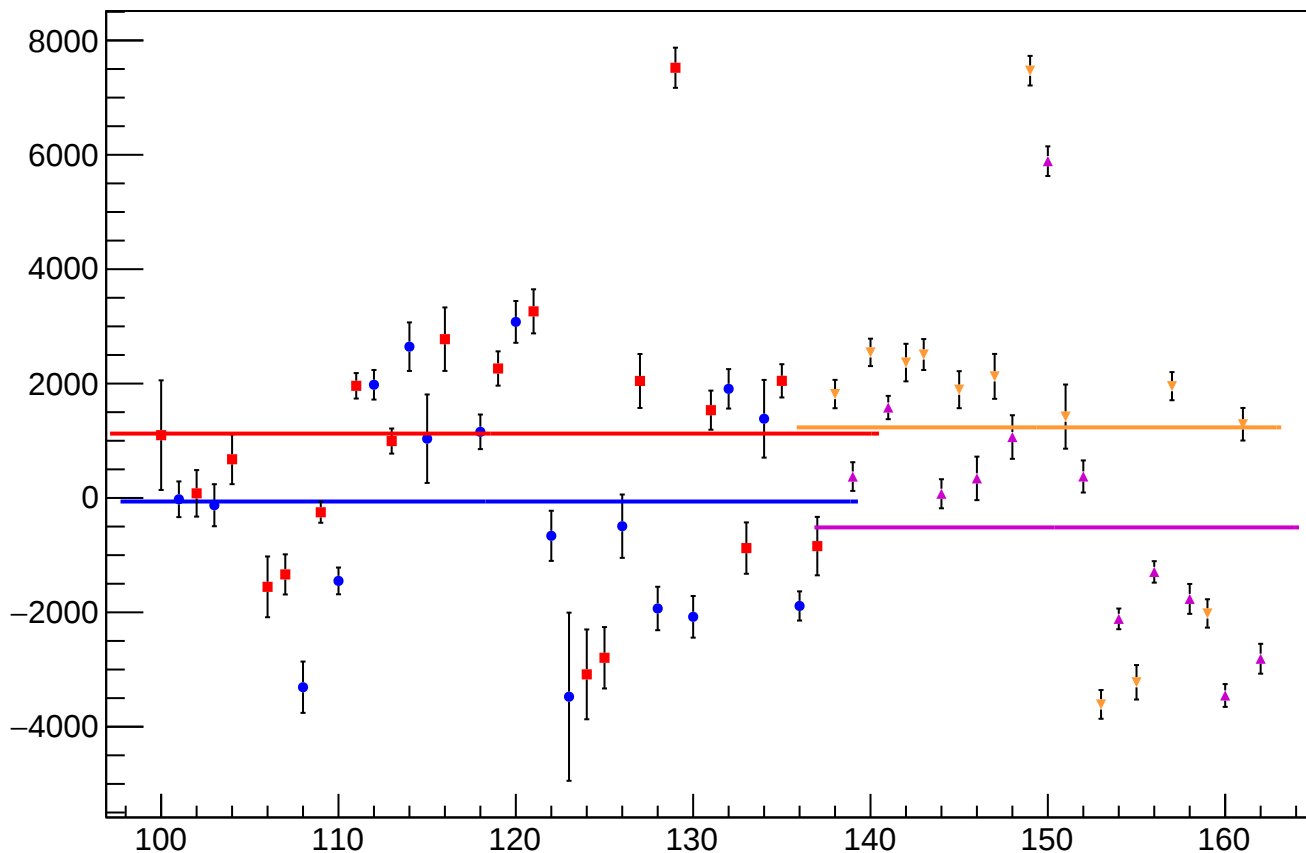
Left In: 365.537+/-0.084 χ^2/NDF :255192.7/11

+ sign 1.527+/-0.001 χ^2/NDF : 30239485.1/29

All: 1.522+/-0.001 χ^2/NDF : 59989343.1/60

- sign 1.518+/-0.001 χ^2/NDF : 29749831.3/30

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 1234.177 ± 78.402 χ^2/NDF : 1430.7/12

Right Out: 1125.437 ± 78.370 χ^2/NDF : 671.2/18

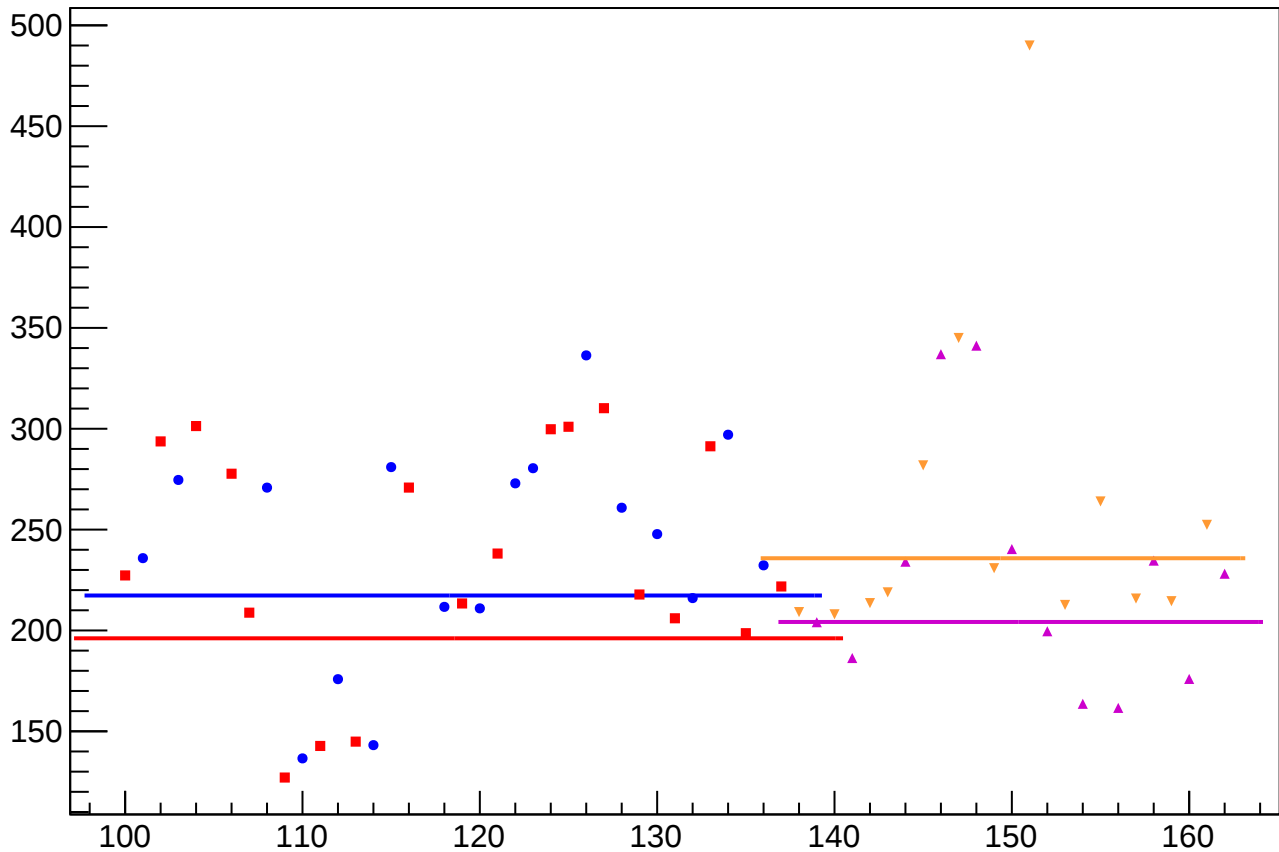
Left In: -515.241 ± 68.936 χ^2/NDF : 1178.3/11

+ sign 656.327 ± 58.368 χ^2/NDF : 1986.5/29

All: 401.140 ± 38.727 χ^2/NDF : 4117.3/60

- sign 200.458 ± 51.761 χ^2/NDF : 2096.6/30

asym_bcm0l02_rms vs Slug



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 235.801 $\pm$ 0.055 χ^2 /NDF: 742940.2/12

Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

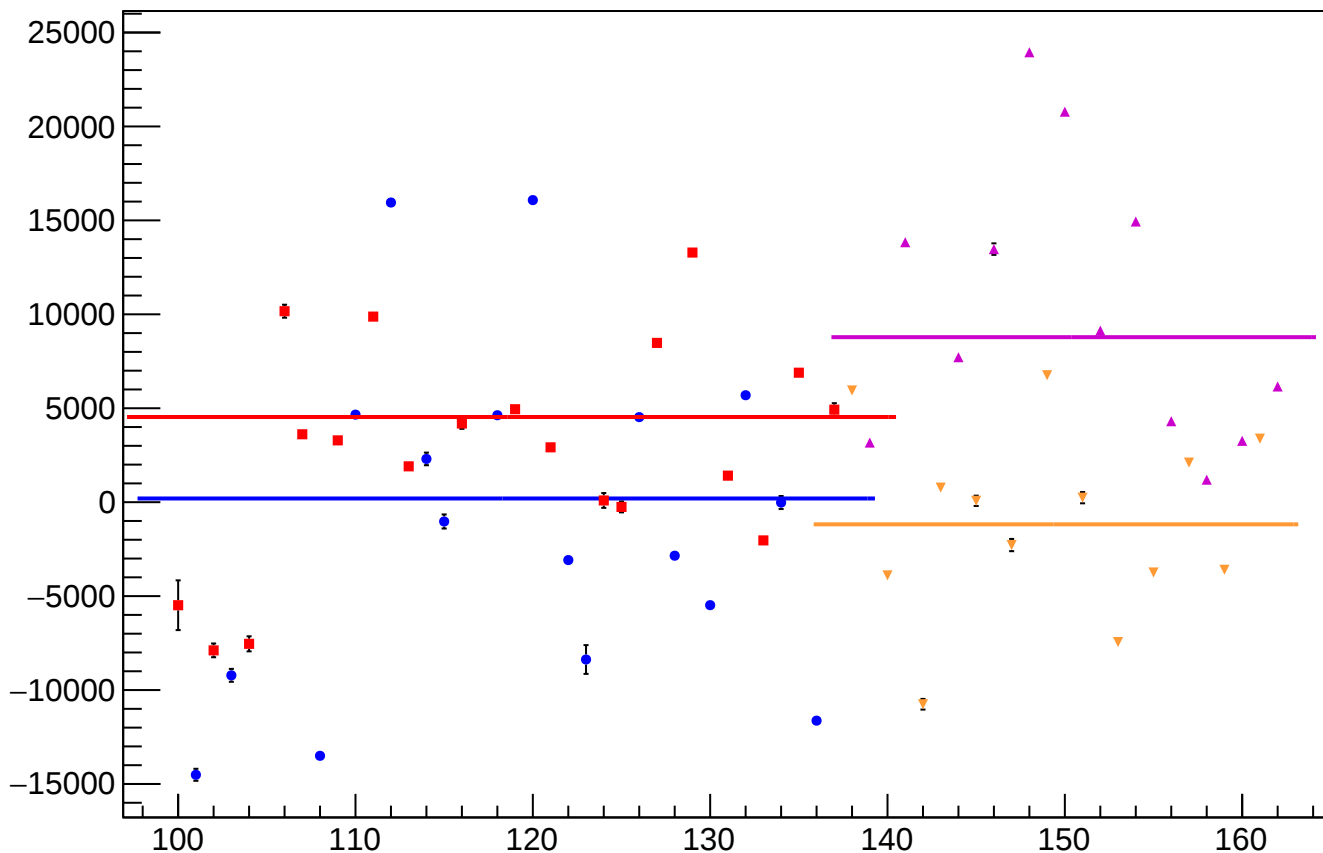
Left In: 204.209 $\pm$ 0.049 χ^2 /NDF: 872385.6/11

+ sign 227.568 $\pm$ 0.041 χ^2 /NDF: 1445147.5/29

All: 212.513 $\pm$ 0.027 χ^2 /NDF: 3758005.8/60

- sign 200.674 $\pm$ 0.037 χ^2 /NDF: 2075174.6/30

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -1179.044+/-55.268 χ^2/NDF : 7308.1/12

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

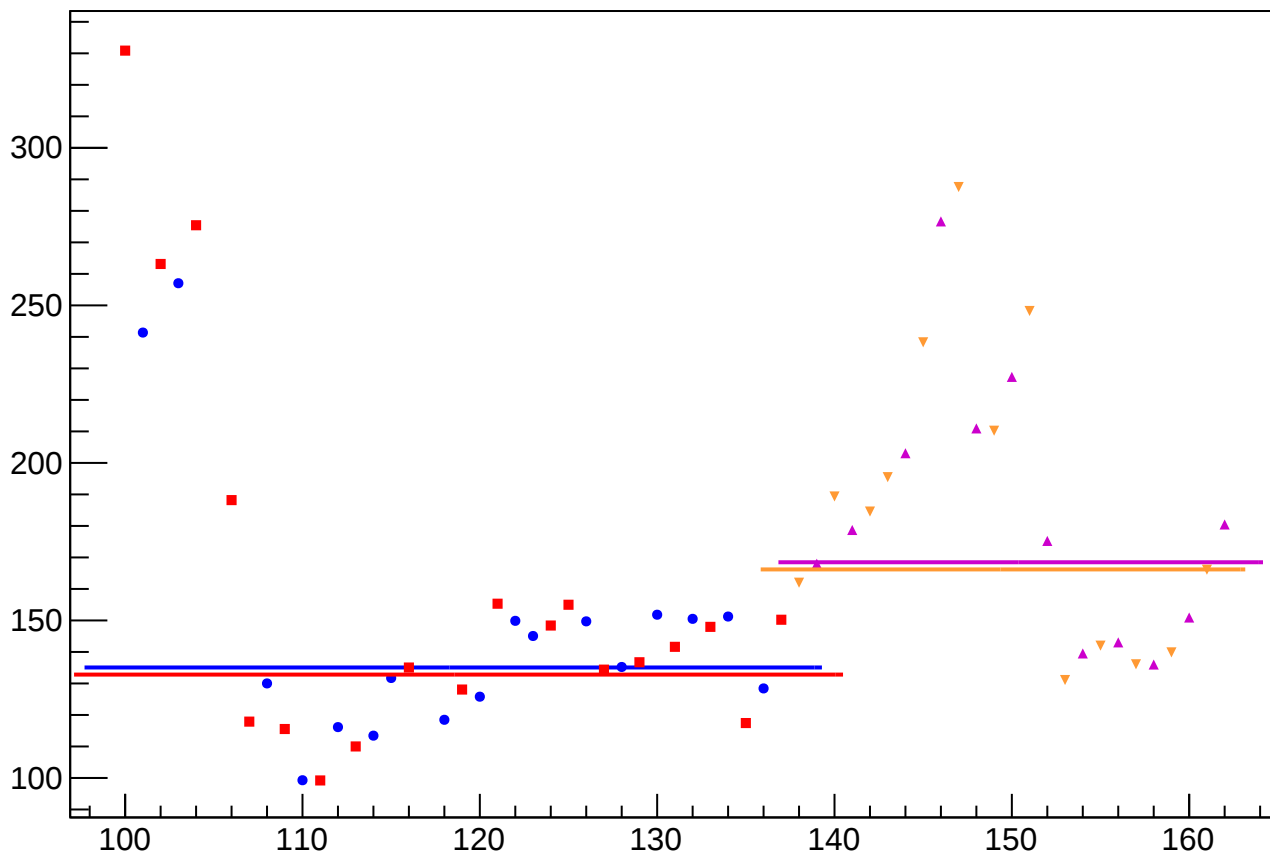
Left In: 8783.759+/-56.371 χ^2/NDF : 14007.7/11

+ sign -485.148+/-38.913 χ^2/NDF : 38278.9/29

All: 3056.761+/-27.334 χ^2/NDF : 79163.2/60

- sign 6506.519+/-38.404 χ^2/NDF : 24530.3/30

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 166.193 $\pm$ 0.039 χ^2 /NDF: 988562.8/12

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

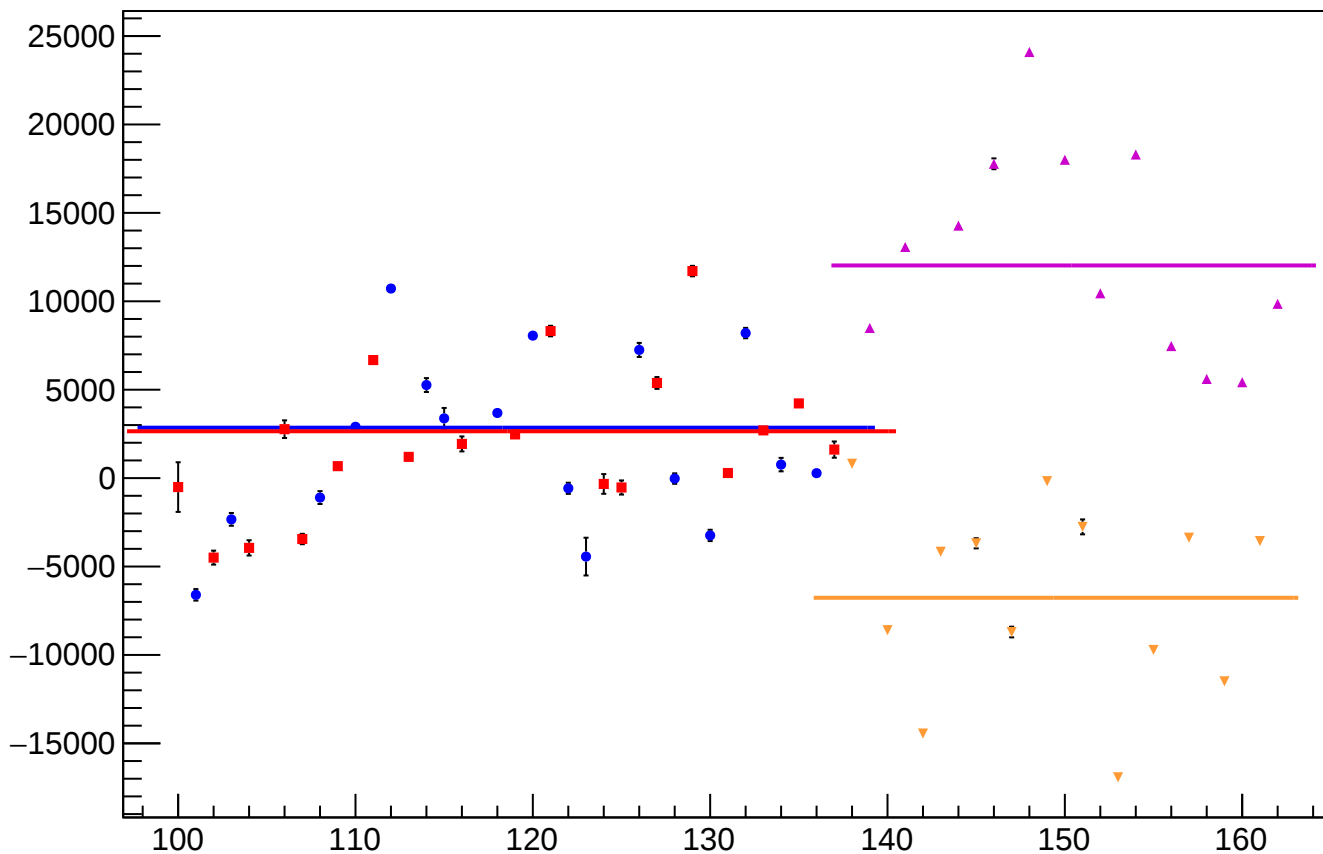
Left In: 168.469 $\pm$ 0.040 χ^2 /NDF: 720135.1/11

+ sign 150.500 $\pm$ 0.028 χ^2 /NDF: 1967049.0/29

All: 149.924 $\pm$ 0.019 χ^2 /NDF: 3947944.1/60

- sign 149.363 $\pm$ 0.027 χ^2 /NDF: 1980031.2/30

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -6767.050+/-63.934 χ^2/NDF : 7402.4/12

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

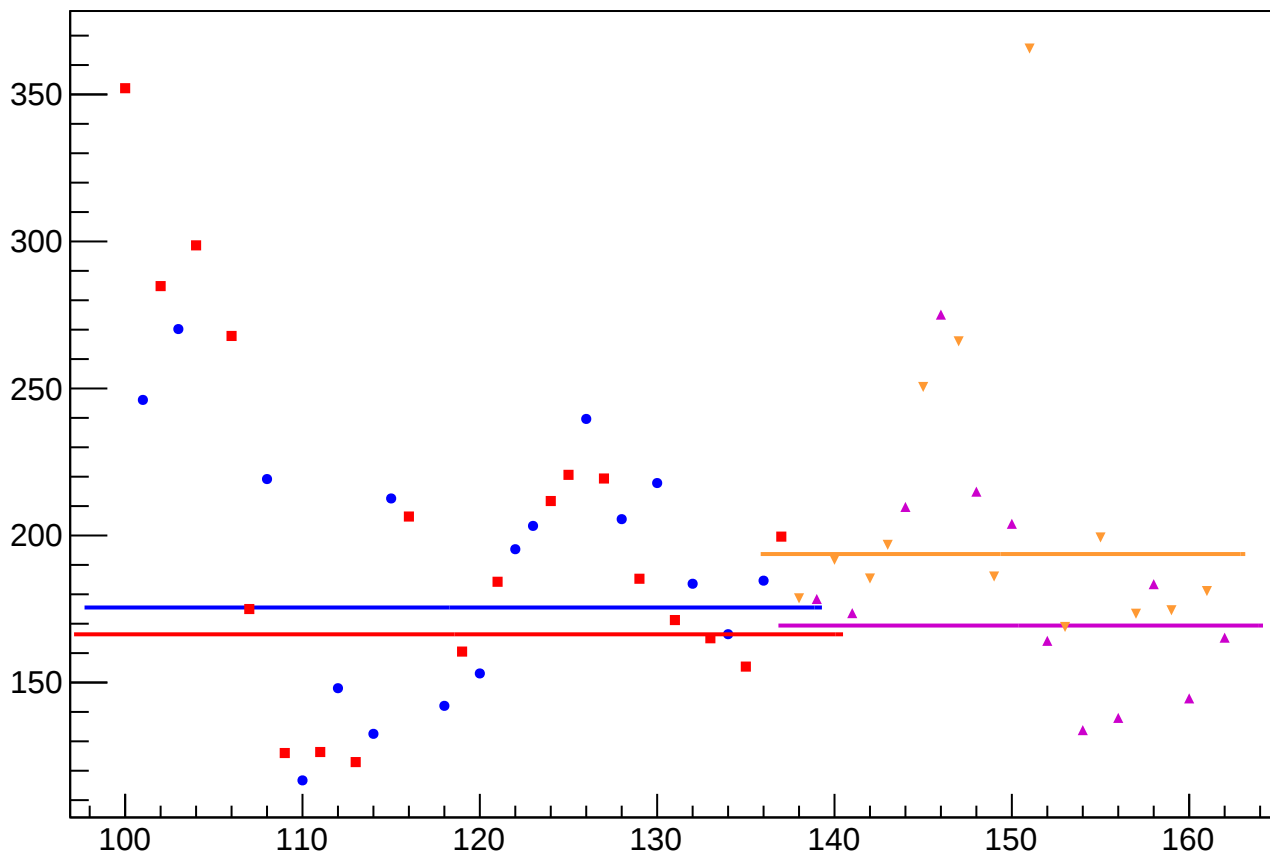
Left In: 12026.439+/-56.755 χ^2/NDF : 9355.8/11

+ sign -2443.581+/-47.436 χ^2/NDF : 21754.3/29

All: 3306.045+/-31.842 χ^2/NDF : 72684.9/60

- sign 8021.262+/-42.958 χ^2/NDF : 24191.1/30

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 193.695 $\pm$ 0.045 χ^2 /NDF: 619544.0/12

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

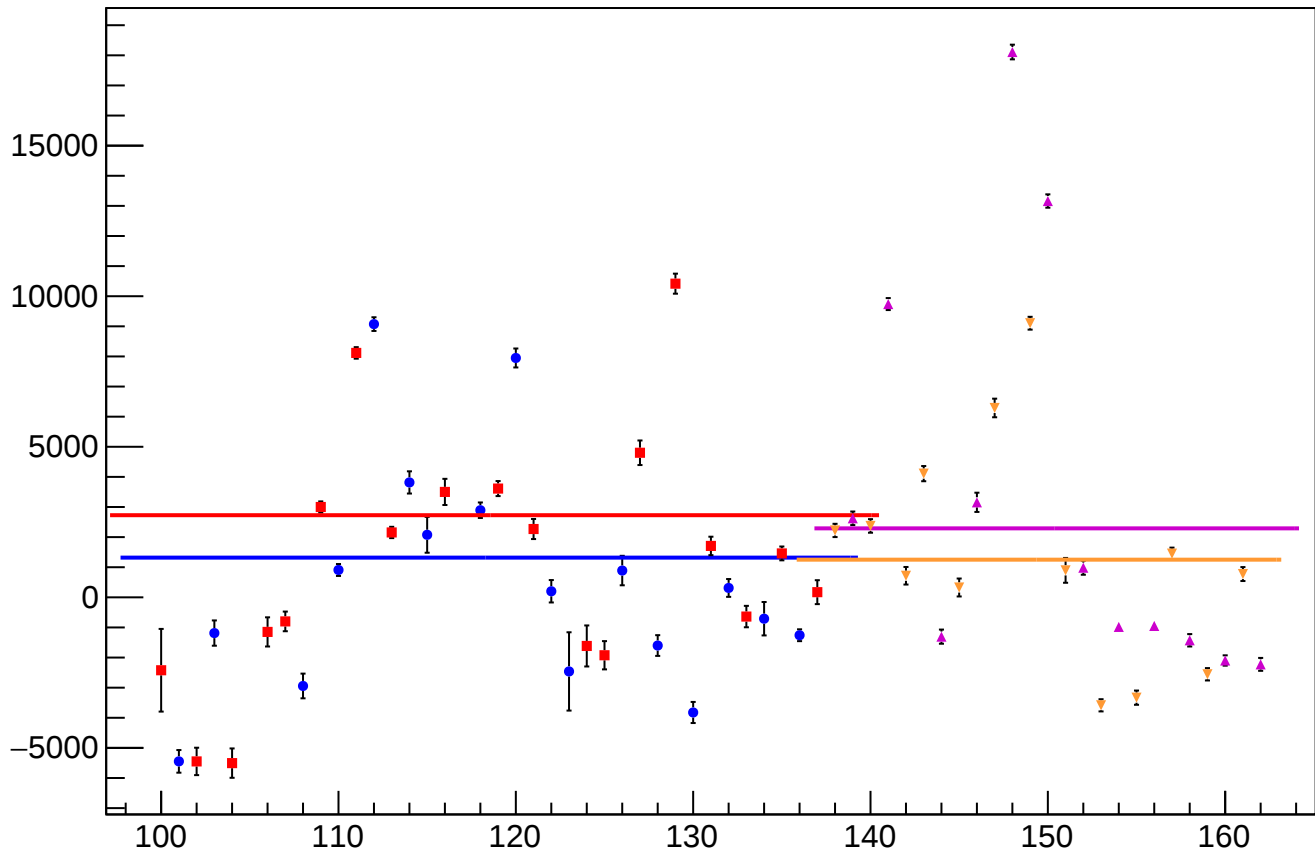
Left In: 169.375 $\pm$ 0.040 χ^2 /NDF: 675357.8/11

+ sign 185.523 $\pm$ 0.034 χ^2 /NDF: 1381883.4/29

All: 175.951 $\pm$ 0.023 χ^2 /NDF: 3137345.9/60

- sign 168.101 $\pm$ 0.030 χ^2 /NDF: 1607251.1/30

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1250.896+/-66.362 χ^2/NDF : 3103.5/12

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

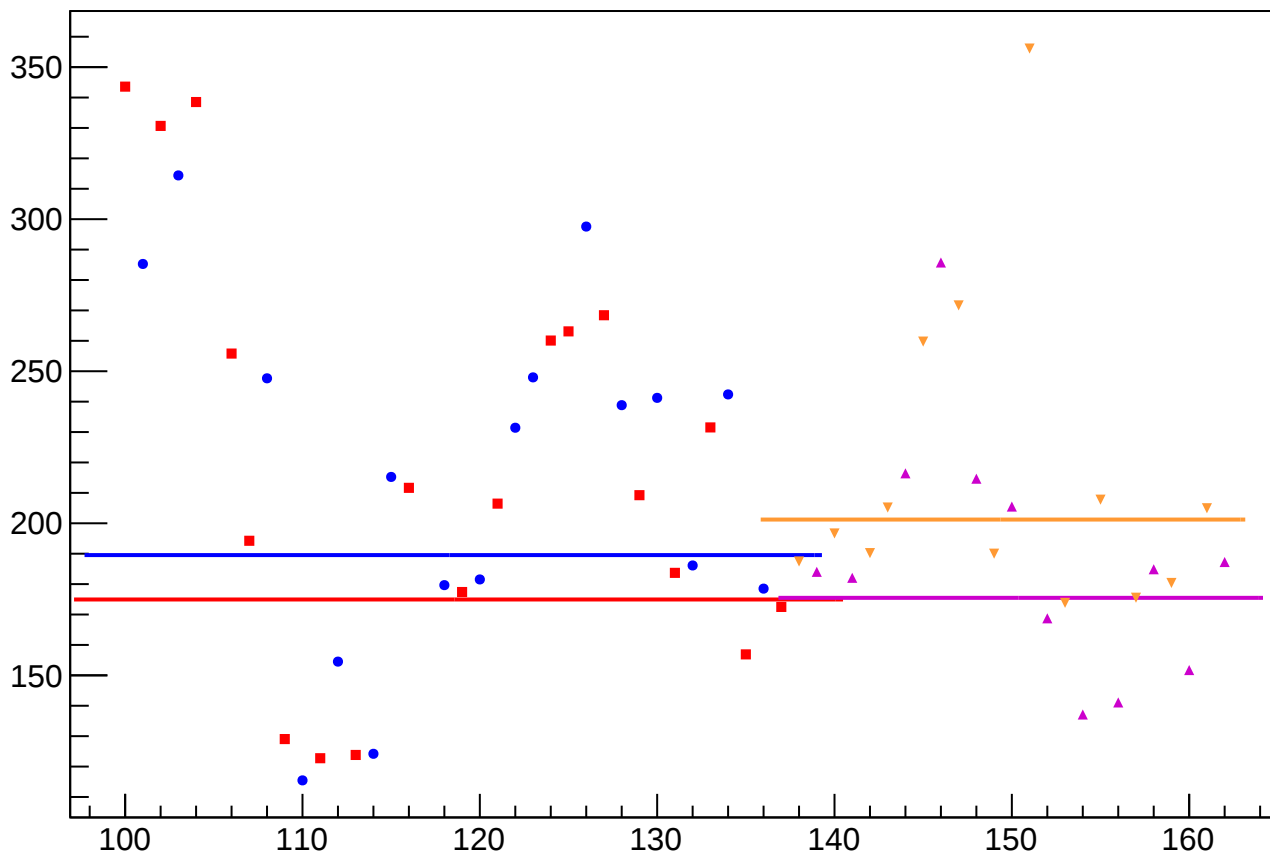
Left In: 2290.621+/-58.822 χ^2/NDF : 10568.5/11

+ sign 1279.863+/-50.309 χ^2/NDF : 5771.0/29

All: 1941.304+/-33.557 χ^2/NDF : 19169.7/60

- sign 2471.468+/-45.041 χ^2/NDF : 13087.3/30

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 201.227 $\pm$ 0.047 χ^2 /NDF: 573454.3/12

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

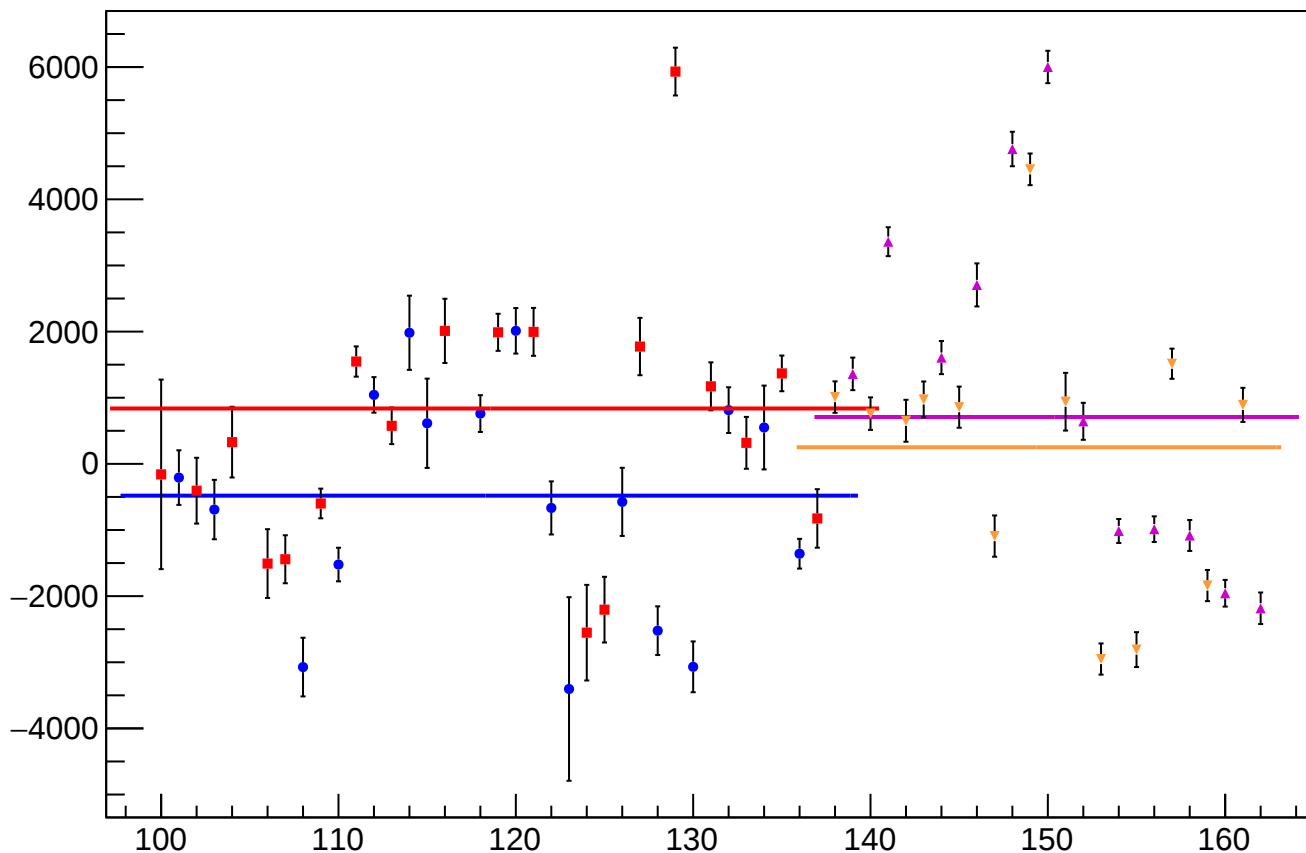
Left In: 175.486 $\pm$ 0.042 χ^2 /NDF: 660090.4/11

+ sign 196.259 $\pm$ 0.036 χ^2 /NDF: 1580560.0/29

All: 184.604 $\pm$ 0.024 χ^2 /NDF: 3731215.4/60

- sign 175.261 $\pm$ 0.032 χ^2 /NDF: 1957267.2/30

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 250.995 ± 73.401 χ^2/NDF : 790.3/12

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

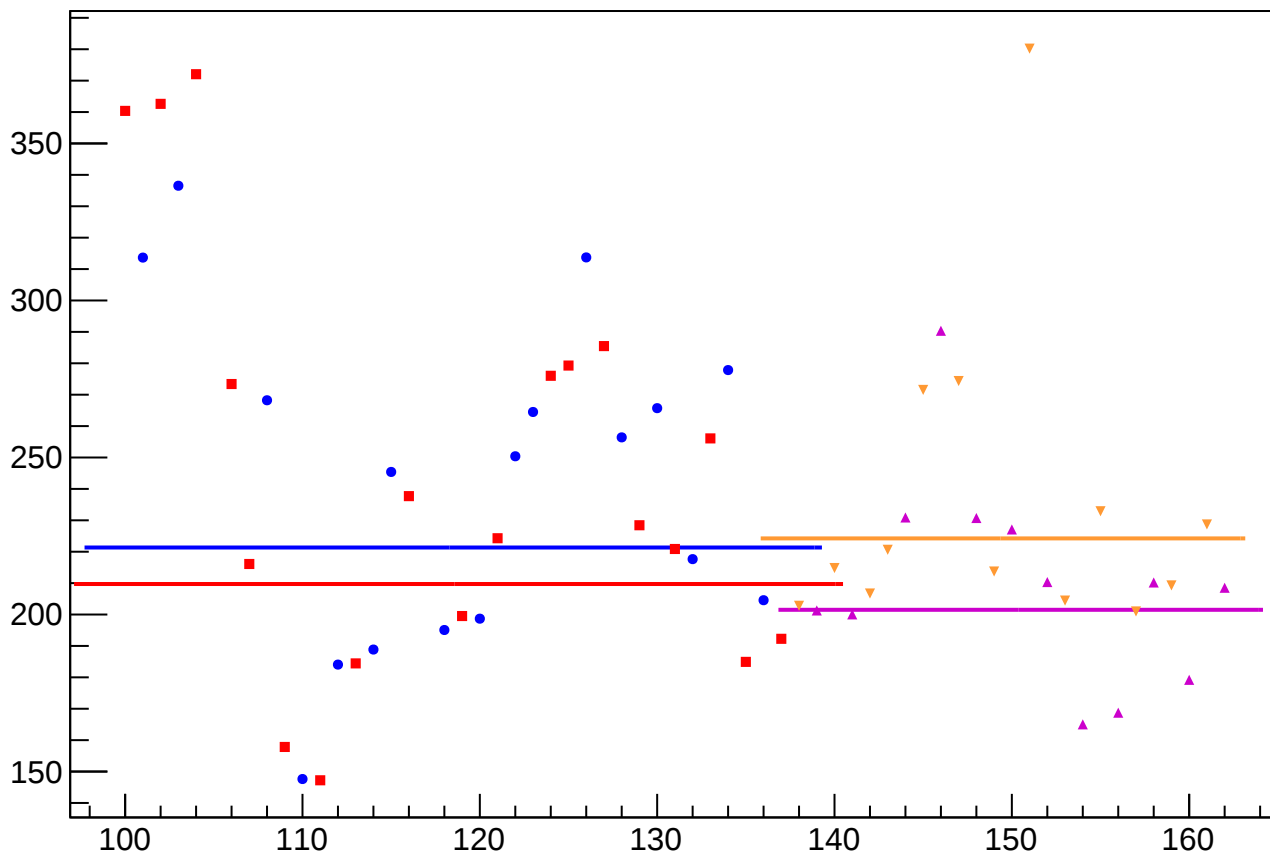
Left In: 708.645 ± 66.748 χ^2/NDF : 1460.5/11

+ sign -46.594 ± 56.534 χ^2/NDF : 1121.4/29

All: 391.561 ± 38.203 χ^2/NDF : 3129.3/60

- sign 759.792 ± 51.827 χ^2/NDF : 1897.3/30

asym_bpm0i07WS_rms vs Slug



Right In: 221.342+/-0.063 χ^2/NDF : 645688.1/16

Left Out: 224.239+/-0.052 χ^2/NDF : 428532.6/12

Right Out: 209.717+/-0.058 χ^2/NDF : 883917.7/18

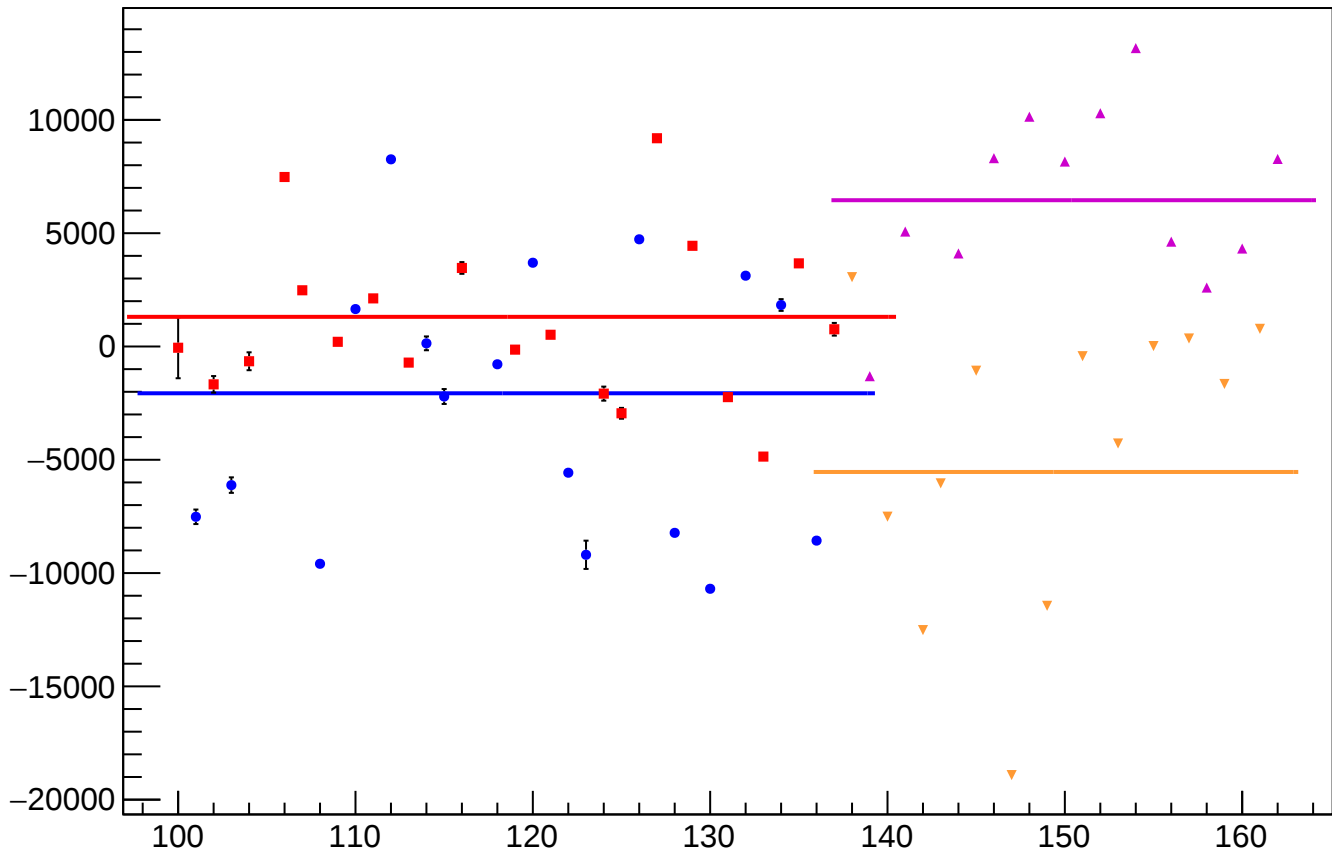
Left In: 201.505+/-0.047 χ^2/NDF : 392594.3/11

+ sign 223.061+/-0.040 χ^2/NDF : 1075487.9/29

All: 213.120+/-0.027 χ^2/NDF : 2477822.0/60

- sign 204.766+/-0.037 χ^2/NDF : 1288532.8/30

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -5537.962 ± 39.110 χ^2/NDF : 28139.2/12

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

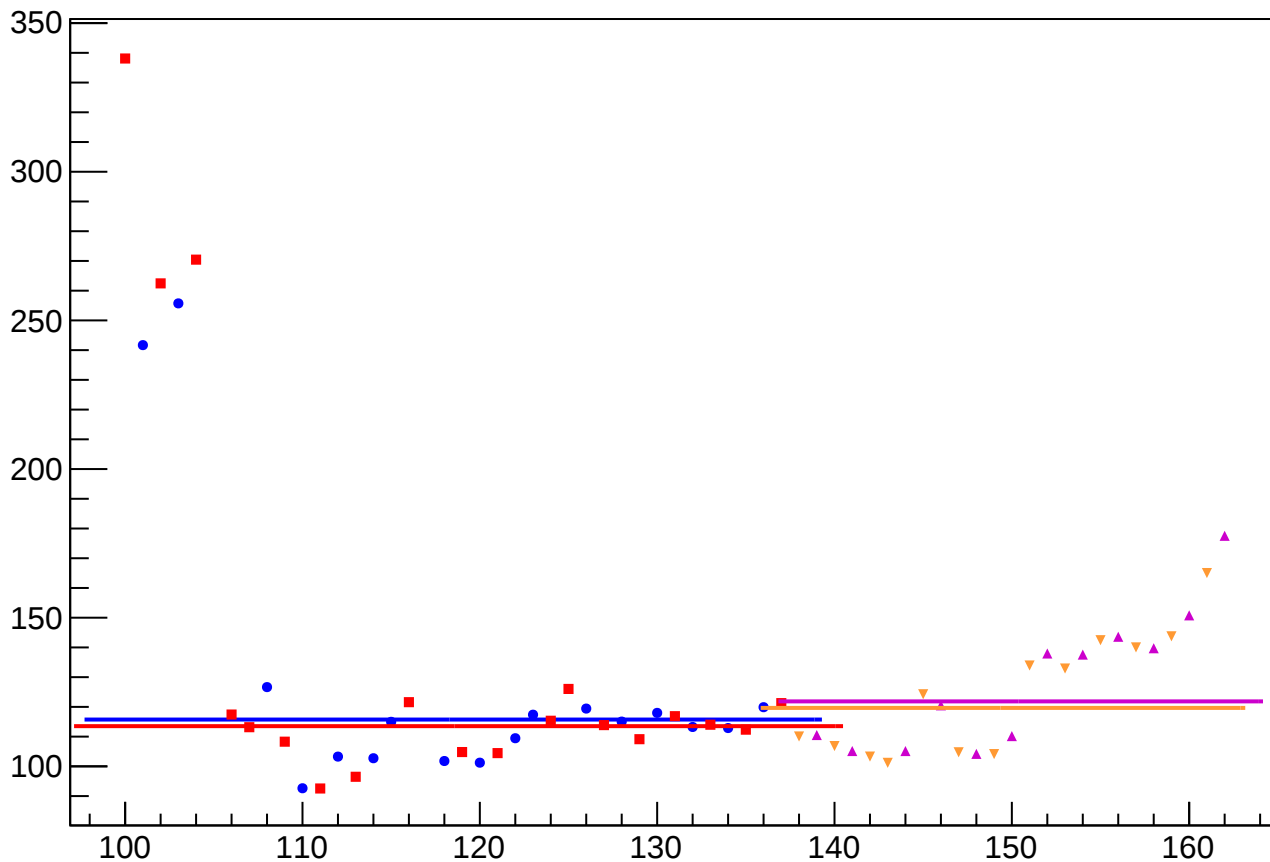
Left In: 6455.789 ± 39.960 χ^2/NDF : 8747.7/11

+ sign -4128.546 ± 30.147 χ^2/NDF : 47872.3/29

All: 65.963 ± 21.222 χ^2/NDF : 108205.4/60

- sign 4186.490 ± 29.880 χ^2/NDF : 21957.2/30

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 119.657+/-0.028 χ^2/NDF : 436390.0/12

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

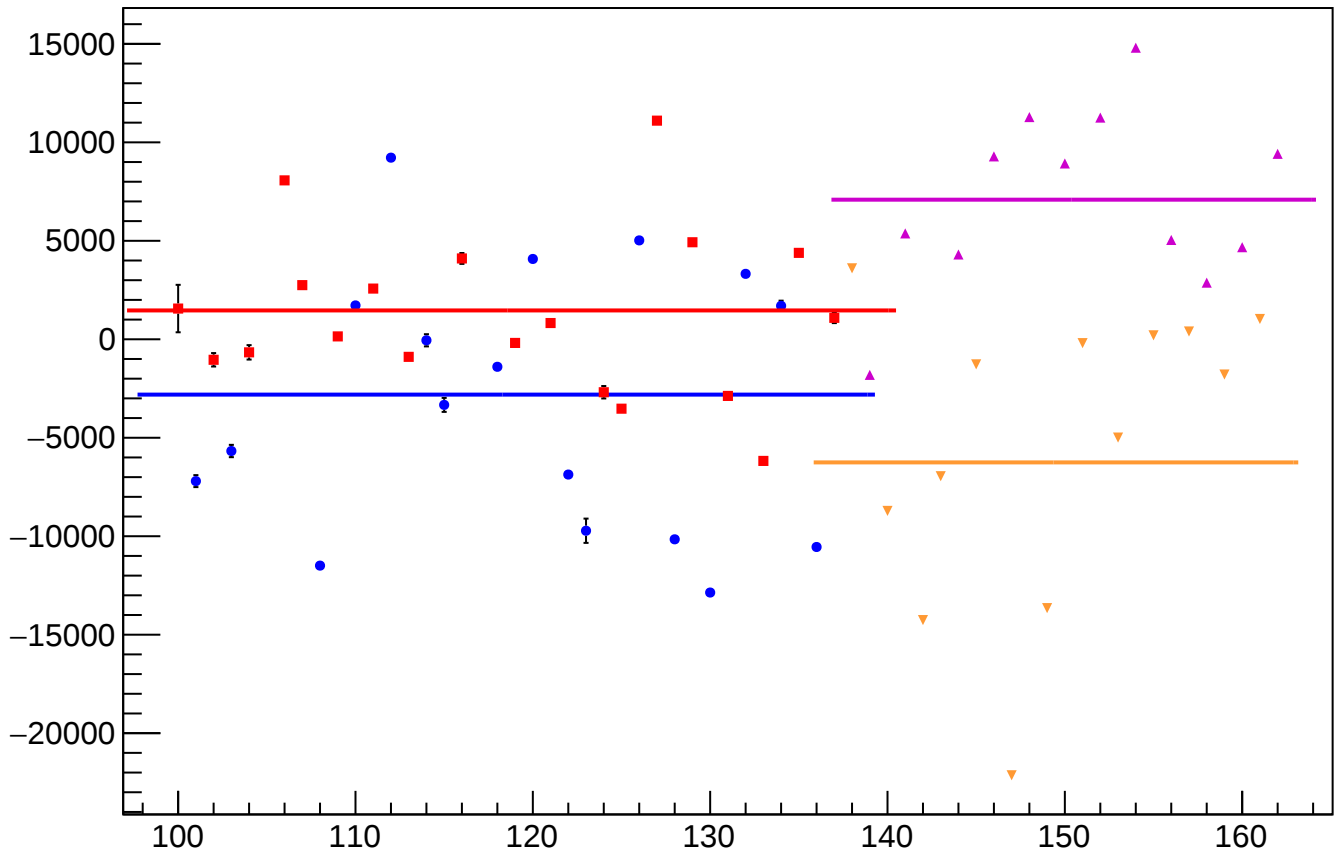
Left In: 121.851+/-0.028 χ^2/NDF : 476586.7/11

+ sign 118.068+/-0.021 χ^2/NDF : 1188547.6/29

All: 118.123+/-0.015 χ^2/NDF : 2500126.7/60

- sign 118.178+/-0.021 χ^2/NDF : 1311565.6/30

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 $\chi^2/\text{NDF}: 21263.1/16$

Left Out: -6251.194 ± 41.555 $\chi^2/\text{NDF}: 33963.7/12$

Right Out: 1465.074 ± 46.394 $\chi^2/\text{NDF}: 8004.7/18$

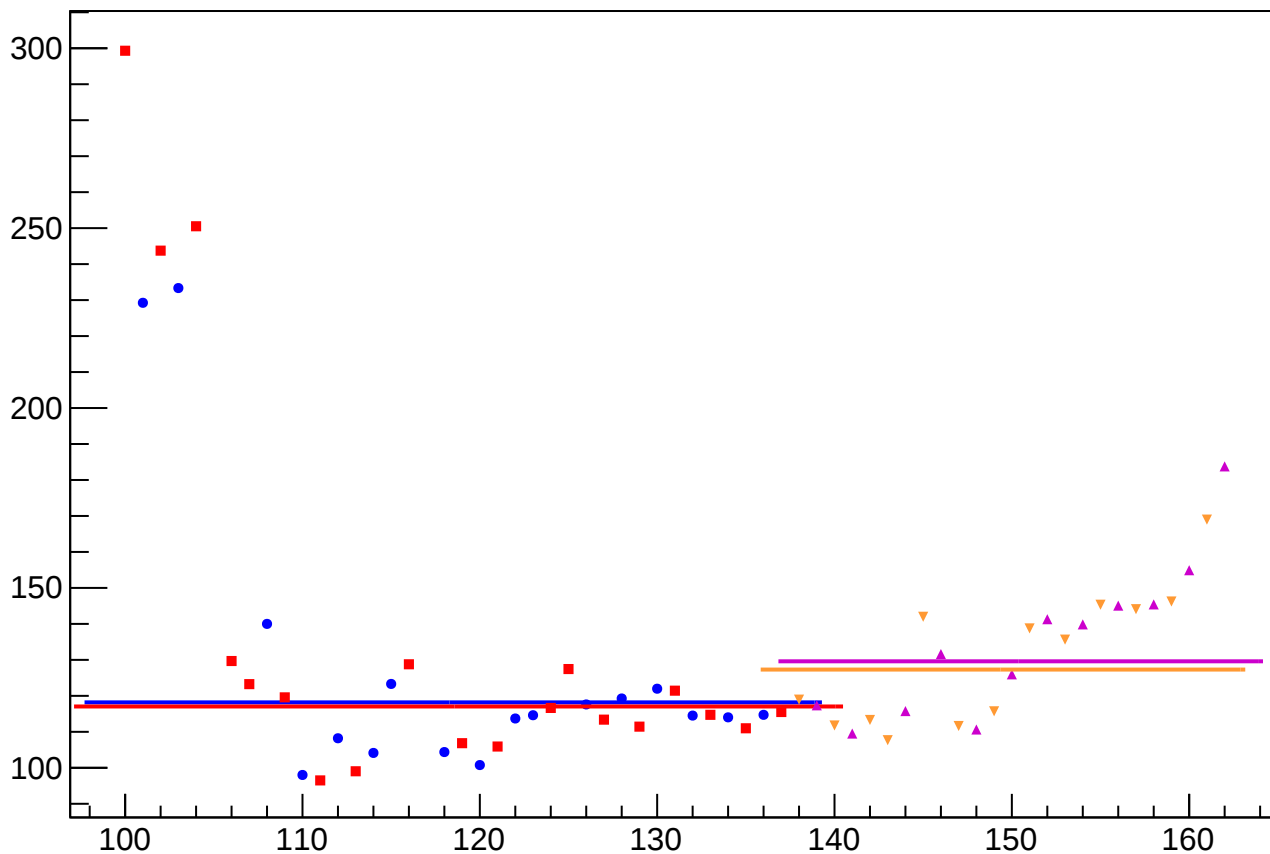
Left In: 7088.515 ± 42.438 $\chi^2/\text{NDF}: 10315.0/11$

+ sign -4786.544 ± 31.497 $\chi^2/\text{NDF}: 58146.4/29$

All: -102.732 ± 22.206 $\chi^2/\text{NDF}: 128437.3/60$

- sign 4526.787 ± 31.313 $\chi^2/\text{NDF}: 26318.7/30$

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 ± 0.034 χ^2/NDF : 636252.0/16

Left Out: 127.305 ± 0.029 χ^2/NDF : 337748.8/12

Right Out: 117.046 ± 0.033 χ^2/NDF : 690635.5/18

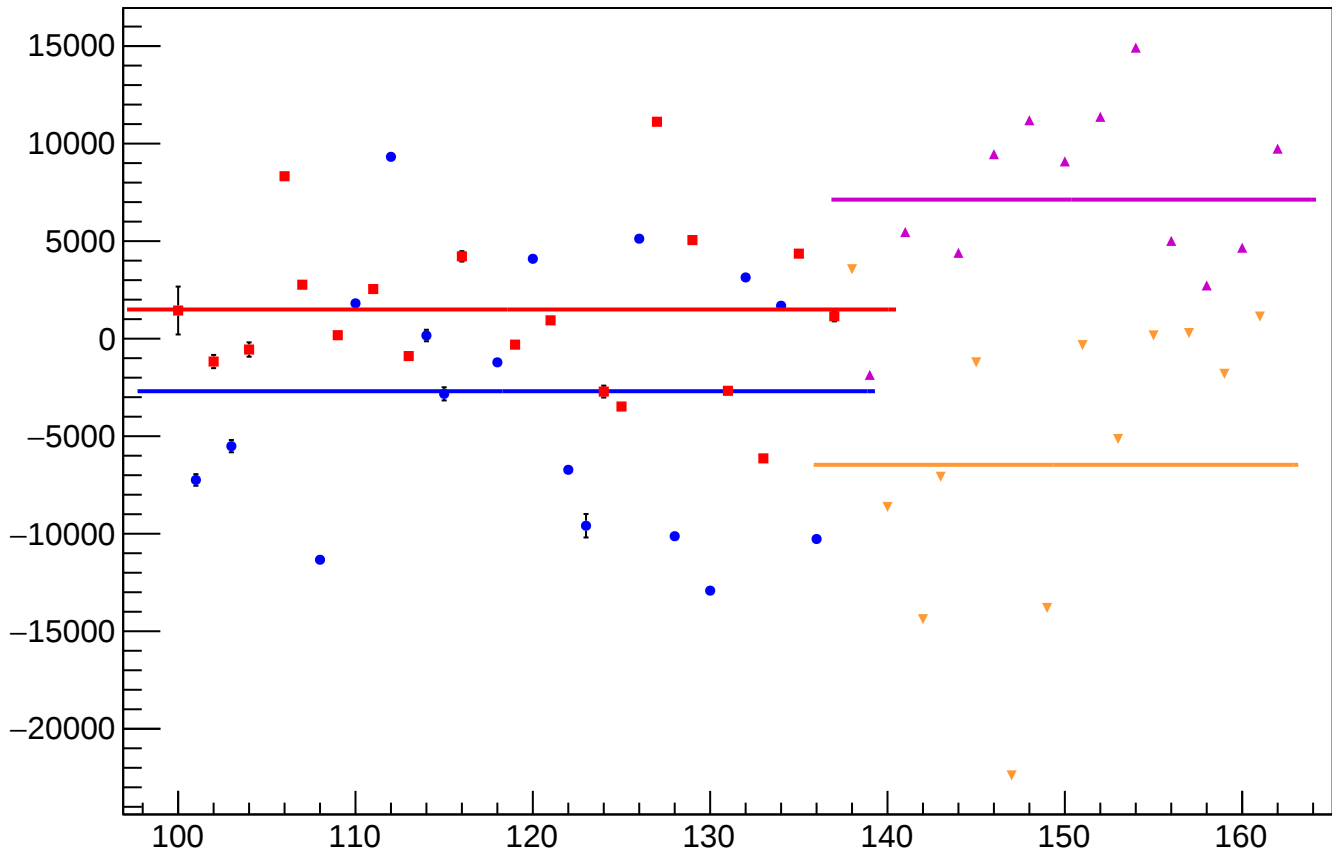
Left In: 129.601 ± 0.030 χ^2/NDF : 372491.3/11

+ sign 123.426 ± 0.022 χ^2/NDF : 1014962.5/29

All: 123.655 ± 0.016 χ^2/NDF : 2158045.5/60

- sign 123.881 ± 0.022 χ^2/NDF : 1142872.5/30

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -6466.227 ± 40.489 $\chi^2/\text{NDF}: 37125.2/12$

Right Out: 1495.744 ± 44.445 $\chi^2/\text{NDF}: 8717.2/18$

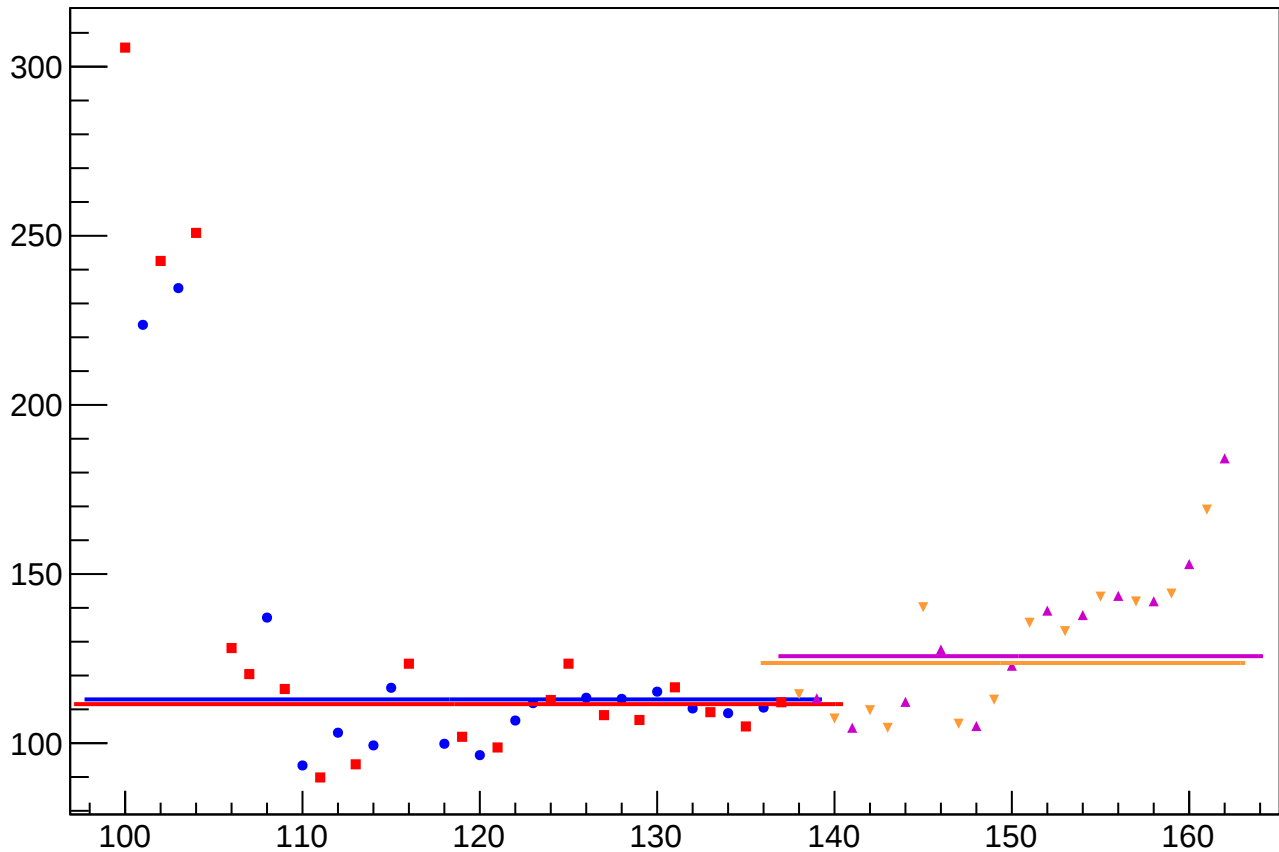
Left In: 7128.610 ± 41.295 $\chi^2/\text{NDF}: 11122.1/11$

+ sign -4833.566 ± 30.492 $\chi^2/\text{NDF}: 63742.1/29$

All: -120.490 ± 21.476 $\chi^2/\text{NDF}: 139609.9/60$

- sign 4518.796 ± 30.252 $\chi^2/\text{NDF}: 28459.8/30$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 ± 0.033 χ^2/NDF : 680283.1/16

Left Out: 123.704 ± 0.029 χ^2/NDF : 399782.0/12

Right Out: 111.544 ± 0.031 χ^2/NDF : 765502.6/18

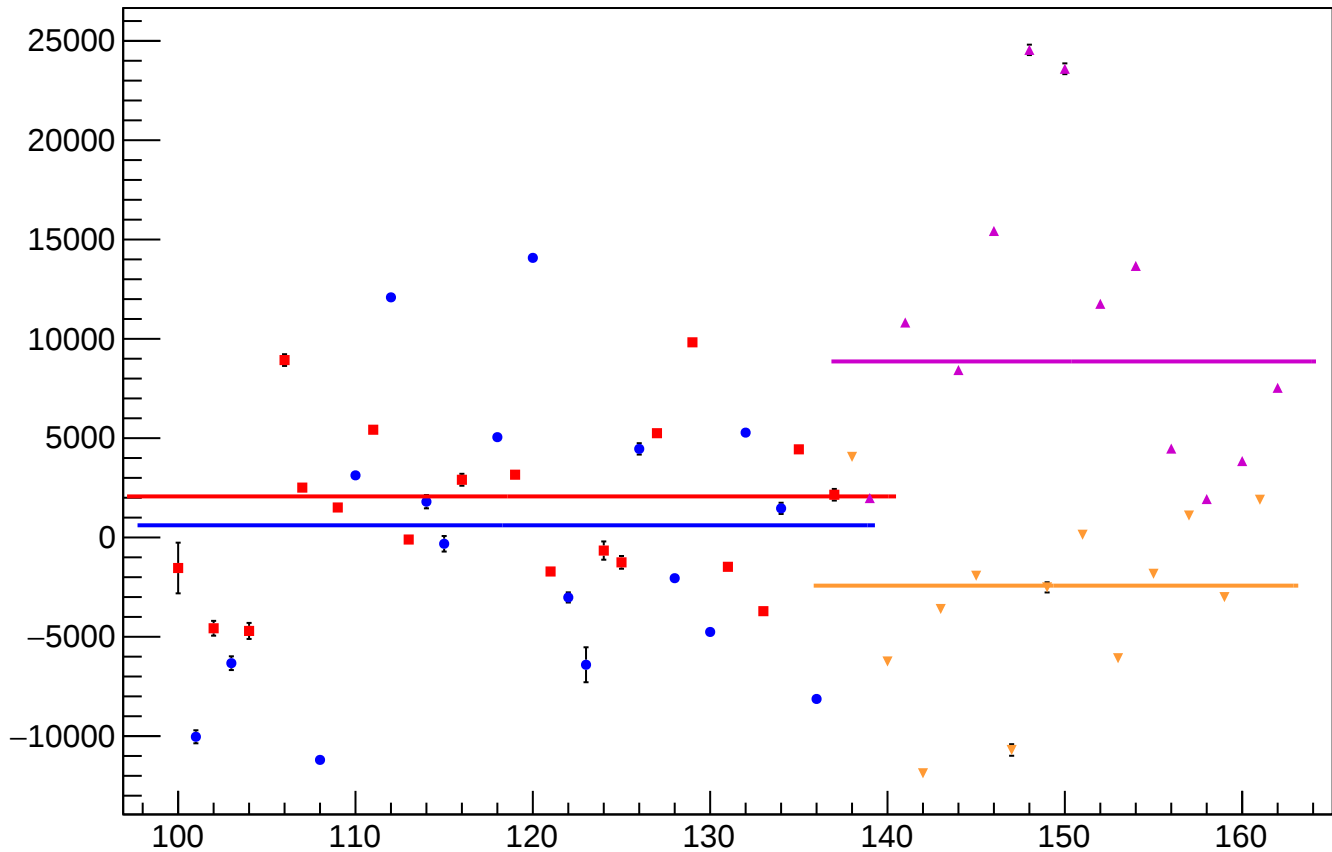
Left In: 125.721 ± 0.029 χ^2/NDF : 445148.5/11

+ sign 119.045 ± 0.022 χ^2/NDF : 1141247.0/29

All: 119.099 ± 0.015 χ^2/NDF : 2461135.6/60

- sign 119.152 ± 0.021 χ^2/NDF : 1319876.1/30

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -2425.073 ± 49.976 $\chi^2/\text{NDF}: 6640.8/12$

Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

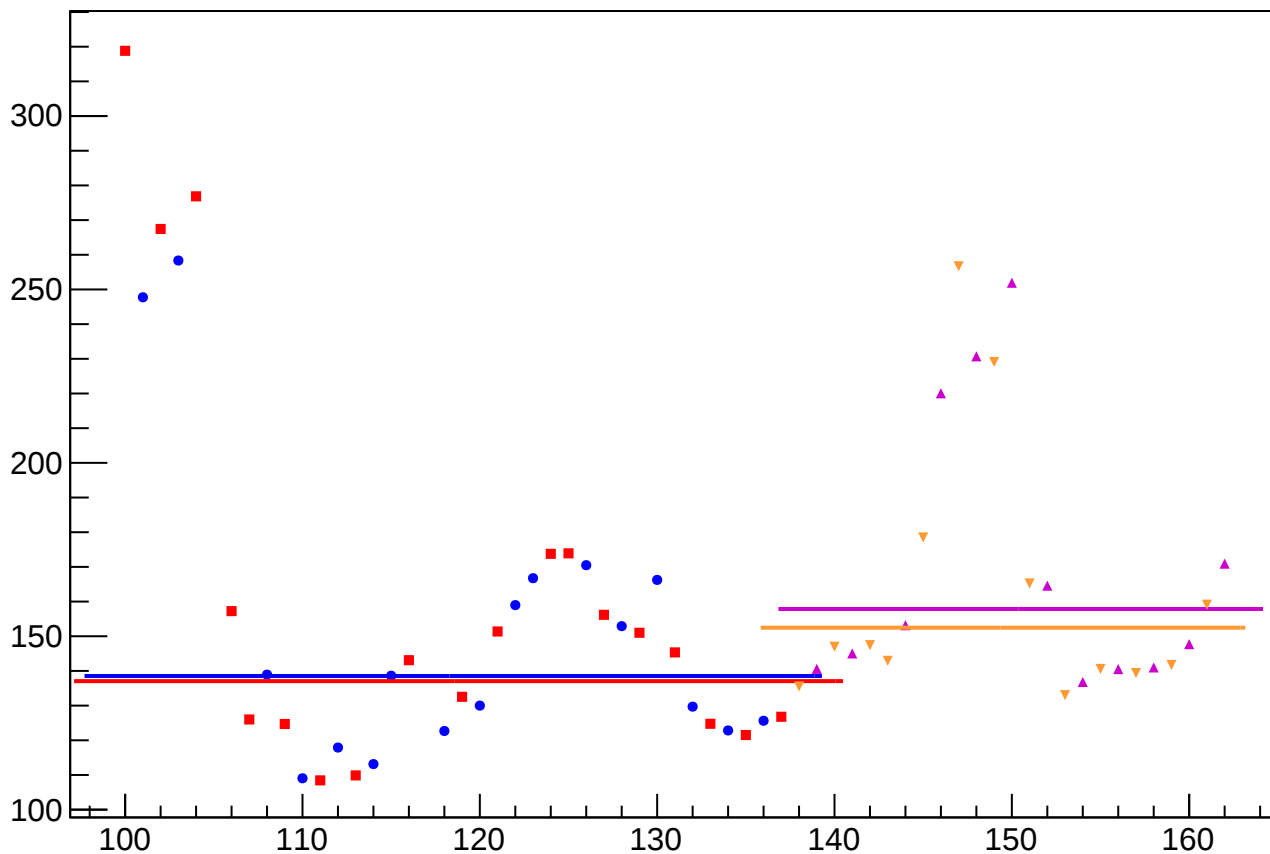
Left In: 8861.955 ± 52.100 $\chi^2/\text{NDF}: 13903.7/11$

+ sign -1079.983 ± 37.305 $\chi^2/\text{NDF}: 26520.2/29$

All: 2236.253 ± 26.437 $\chi^2/\text{NDF}: 69151.6/60$

- sign 5581.971 ± 37.471 $\chi^2/\text{NDF}: 26756.7/30$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 152.472 $\pm$ 0.035 χ^2 /NDF: 578515.4/12

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

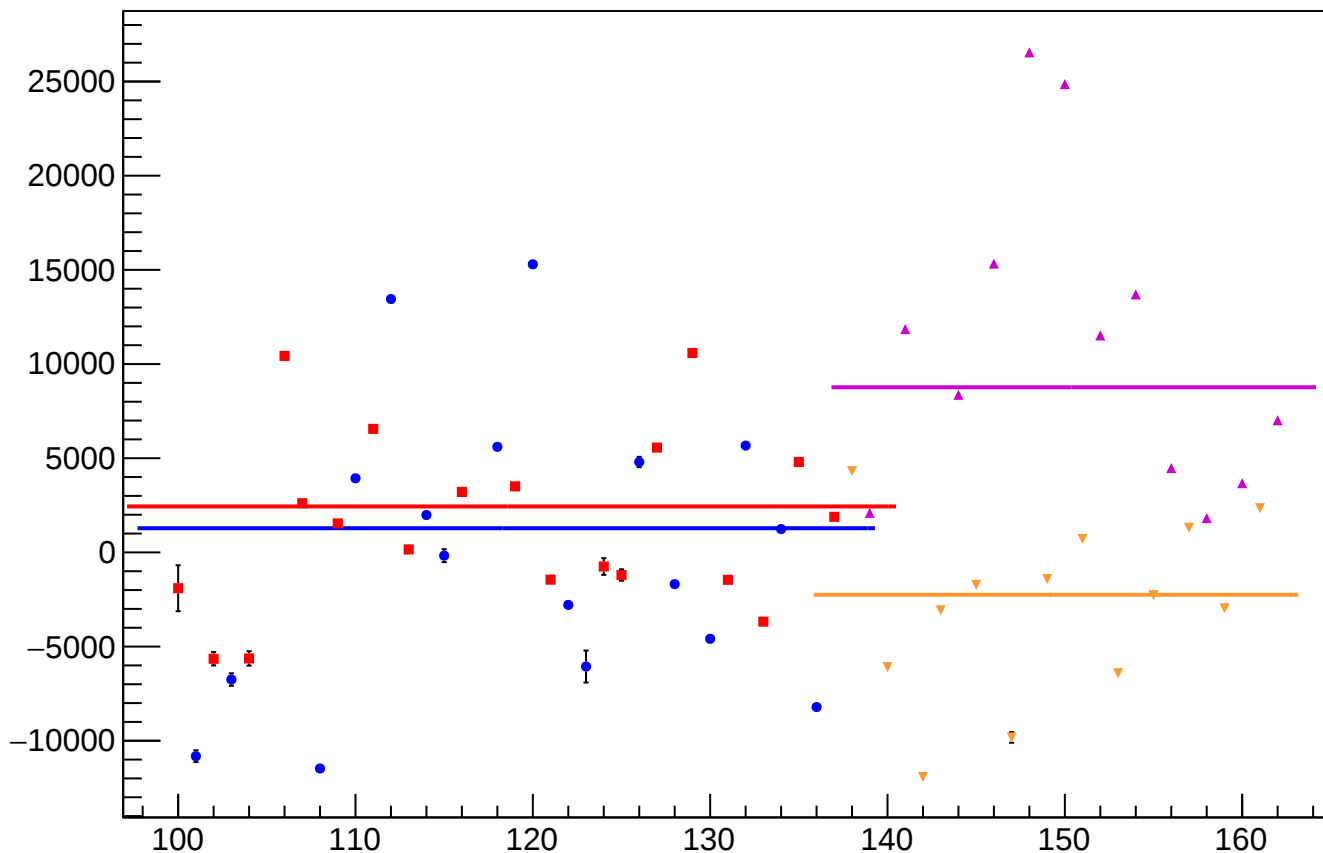
Left In: 157.870 $\pm$ 0.037 χ^2 /NDF: 663894.3/11

+ sign 146.304 $\pm$ 0.026 χ^2 /NDF: 1316262.0/29

All: 147.061 $\pm$ 0.019 χ^2 /NDF: 2891320.5/60

- sign 147.824 $\pm$ 0.026 χ^2 /NDF: 1573403.9/30

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2249.180+/-44.306 χ^2/NDF : 8921.2/12

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

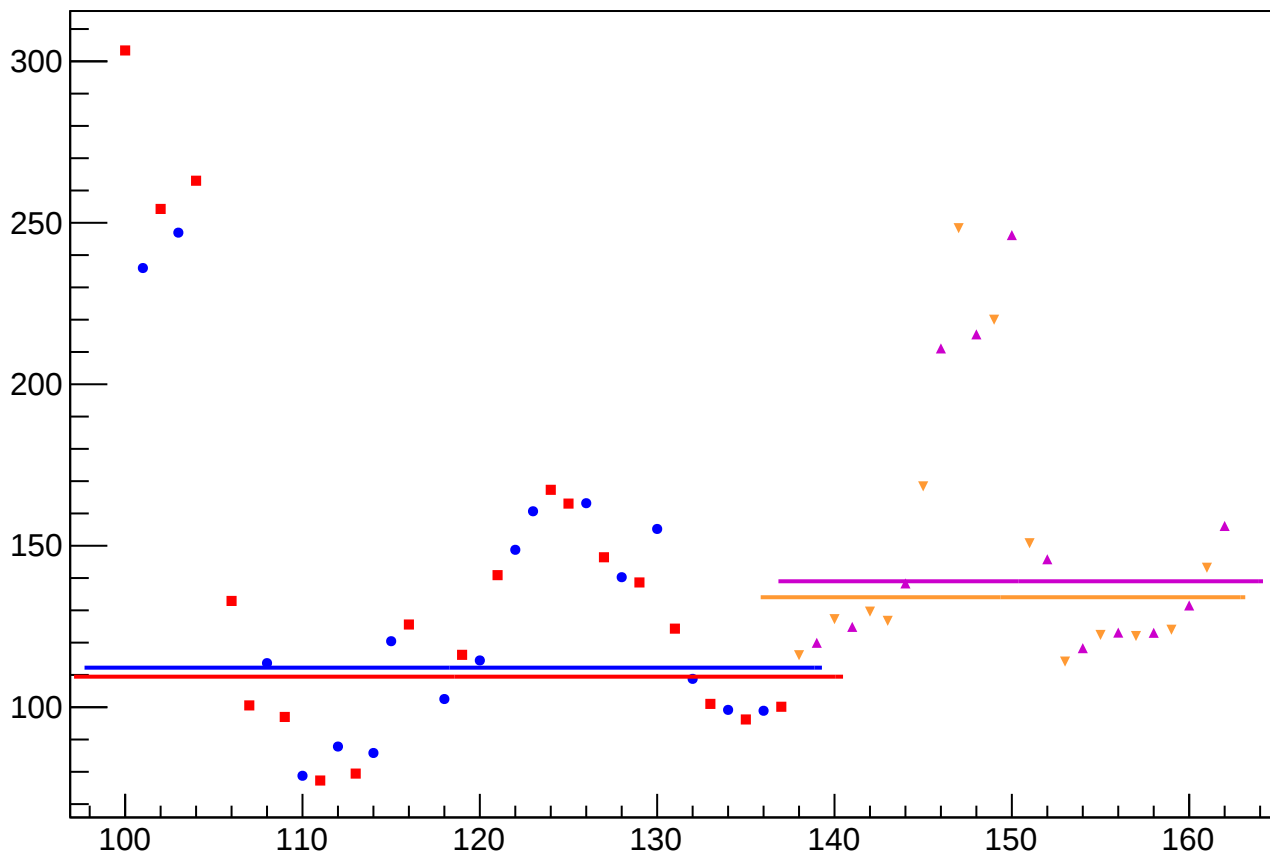
Left In: 8767.365+/-46.345 χ^2/NDF : 18636.5/11

+ sign -571.113+/-32.100 χ^2/NDF : 42481.4/29

All: 2452.288+/-22.669 χ^2/NDF : 96234.2/60

- sign 5460.166+/-32.018 χ^2/NDF : 36056.4/30

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 134.058+/-0.031 χ^2/NDF : 791273.5/12

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

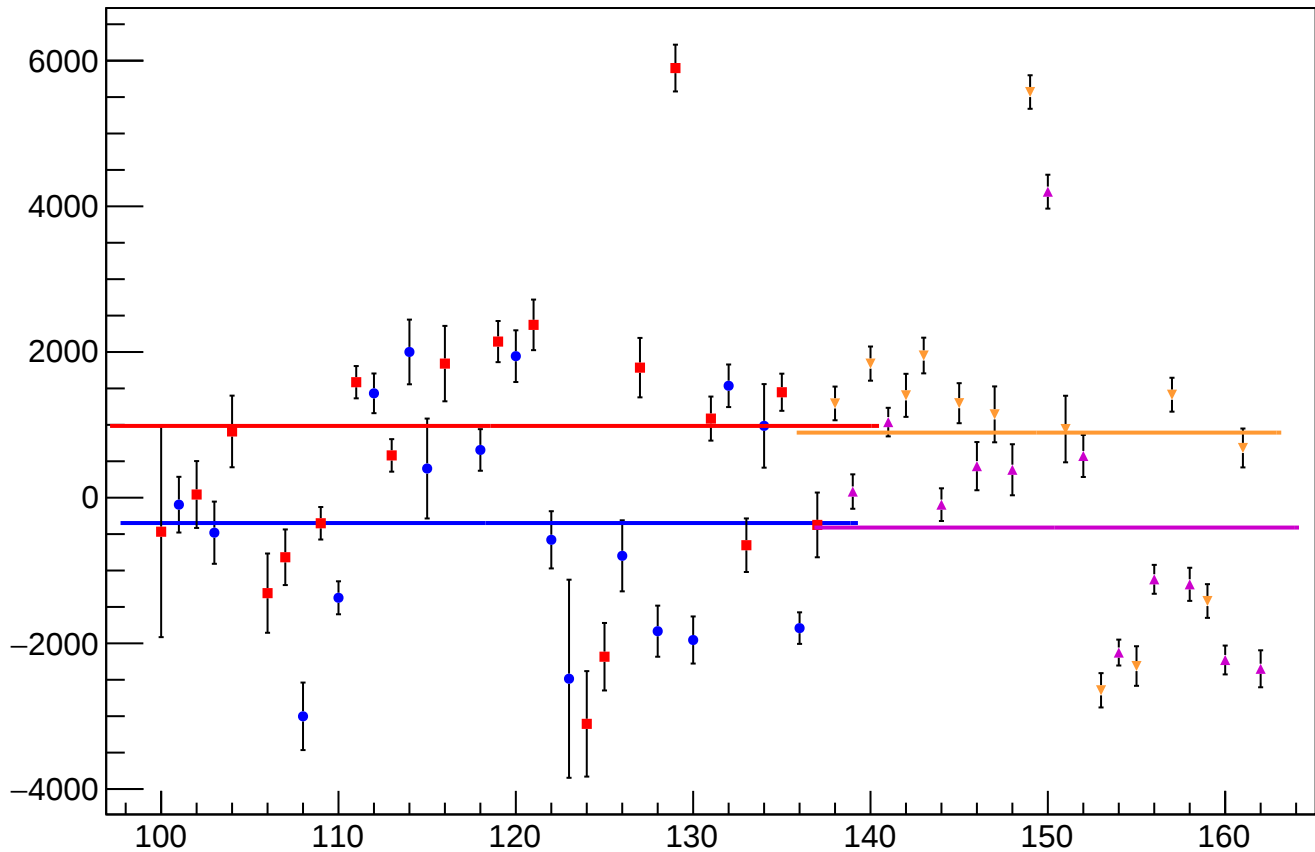
Left In: 138.999+/-0.033 χ^2/NDF : 891518.0/11

+ sign 123.698+/-0.023 χ^2/NDF : 2146987.1/29

All: 123.628+/-0.016 χ^2/NDF : 4732848.6/60

- sign 123.559+/-0.023 χ^2/NDF : 2585842.9/30

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 893.477 ± 72.291 χ^2/NDF : 925.6/12

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

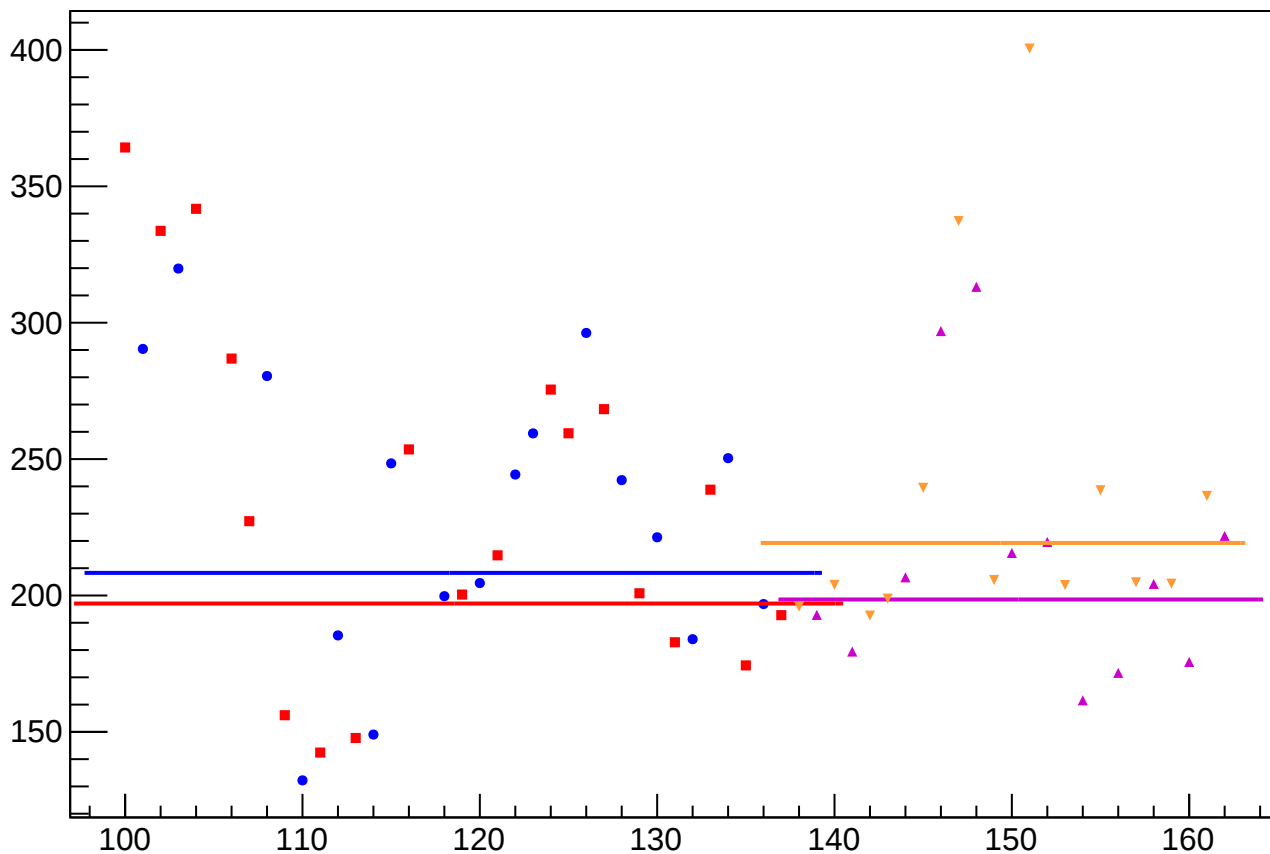
Left In: -410.160 ± 66.100 χ^2/NDF : 737.4/11

+ sign 363.950 ± 54.745 χ^2/NDF : 1368.7/29

All: 262.033 ± 37.056 χ^2/NDF : 2776.2/60

- sign 175.851 ± 50.342 χ^2/NDF : 1401.1/30

asym_bpm0l01WS_rms vs Slug



Right In: 208.288+/-0.059 χ^2/NDF : 698491.0/16

Left Out: 219.261+/-0.051 χ^2/NDF : 623545.0/12

Right Out: 197.051+/-0.055 χ^2/NDF : 926786.6/18

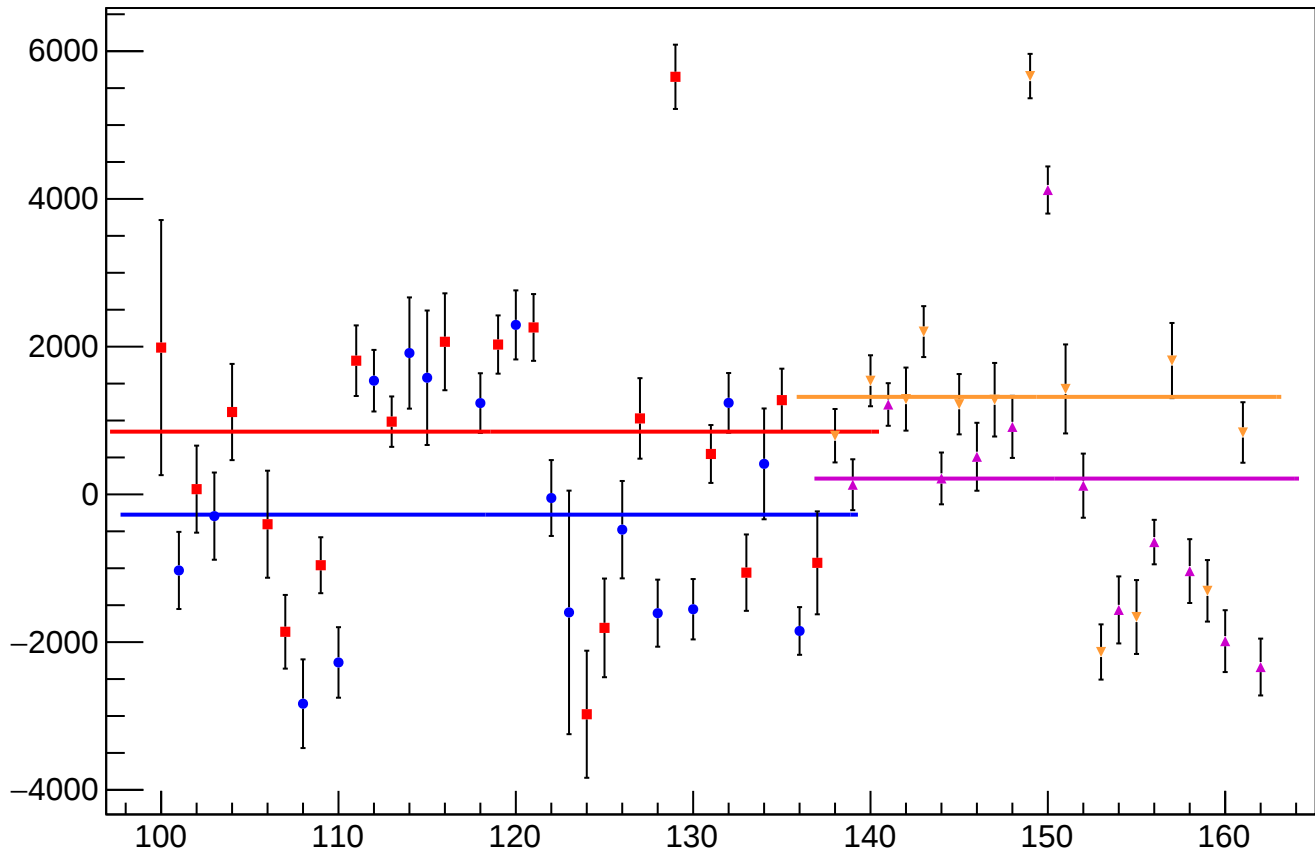
Left In: 198.538+/-0.047 χ^2/NDF : 602894.7/11

+ sign 214.581+/-0.039 χ^2/NDF : 1341692.7/29

All: 205.550+/-0.026 χ^2/NDF : 2972242.0/60

- sign 197.914+/-0.036 χ^2/NDF : 1530106.6/30

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1320.163 ± 111.433 χ^2/NDF : 380.9/12

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

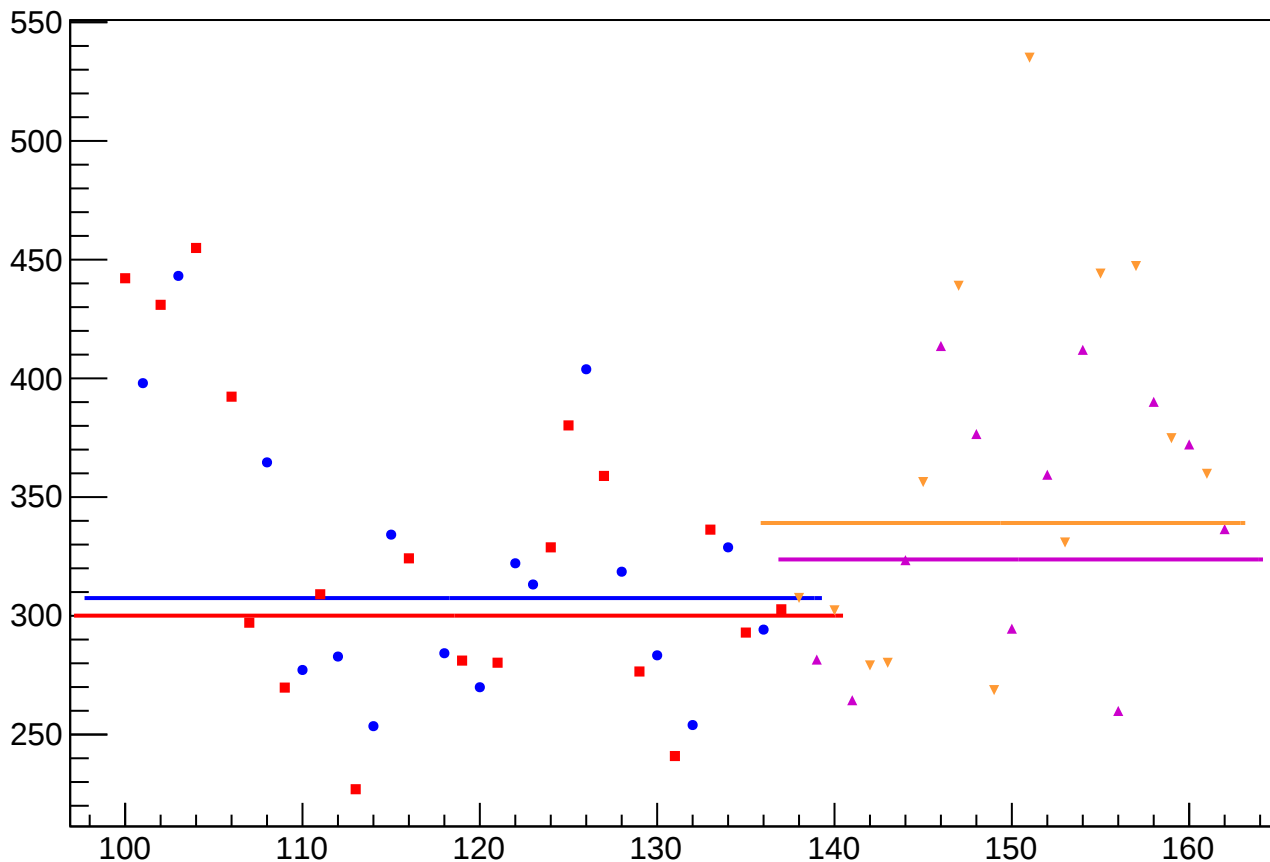
Left In: 214.073 ± 106.723 χ^2/NDF : 268.8/11

+ sign 590.597 ± 82.070 χ^2/NDF : 646.2/29

All: 546.907 ± 56.666 χ^2/NDF : 1195.1/60

- sign 507.101 ± 78.337 χ^2/NDF : 548.4/30

asym_bpm0l02WS_rms vs Slug



Right In: 307.468+/-0.086 χ^2/NDF : 323096.7/16

Left Out: 339.094+/-0.079 χ^2/NDF : 740566.3/12

Right Out: 300.069+/-0.082 χ^2/NDF : 490398.9/18

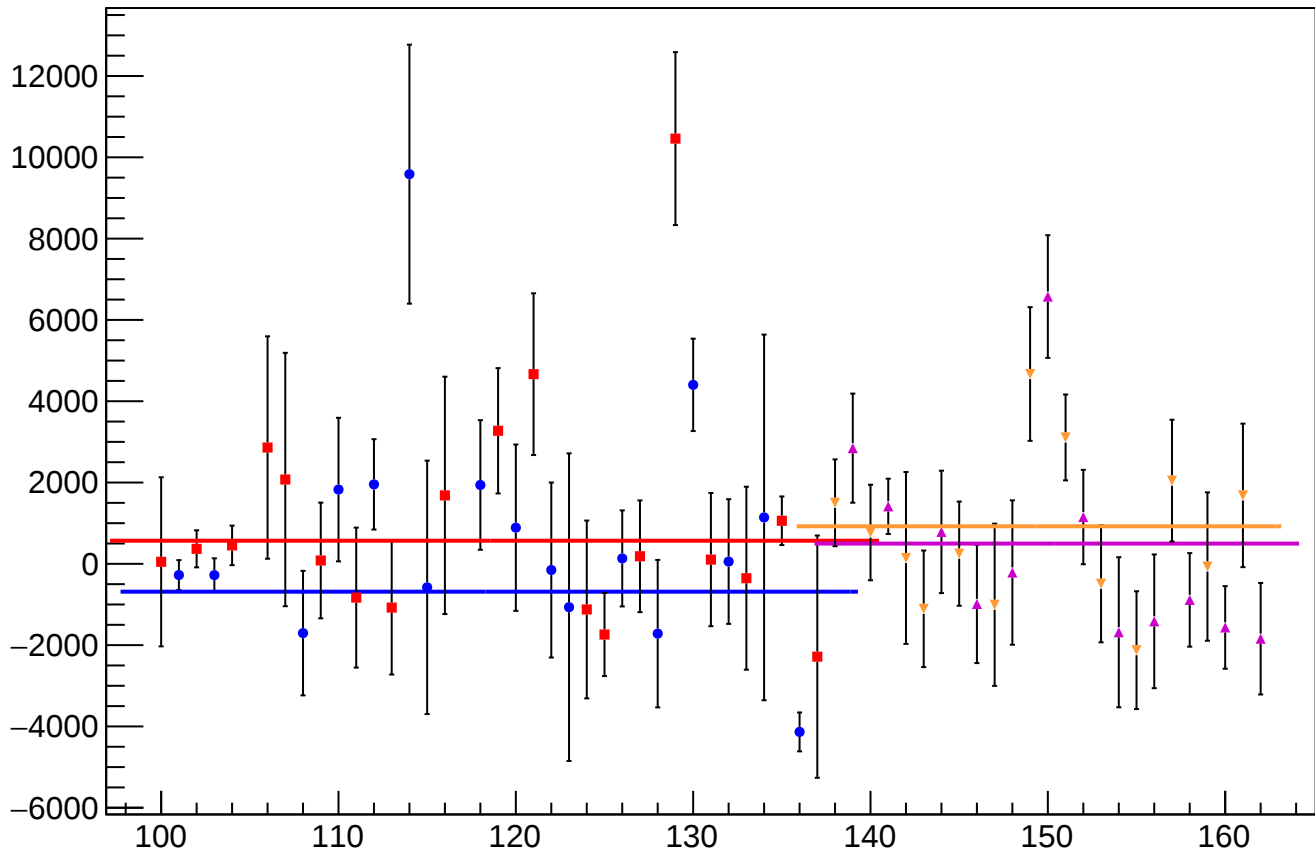
Left In: 323.735+/-0.075 χ^2/NDF : 494371.2/11

+ sign 324.623+/-0.058 χ^2/NDF : 1137378.0/29

All: 318.447+/-0.040 χ^2/NDF : 2189149.6/60

- sign 312.820+/-0.055 χ^2/NDF : 1030127.1/30

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 923.705 ± 393.399 χ^2/NDF : 19.6/12

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

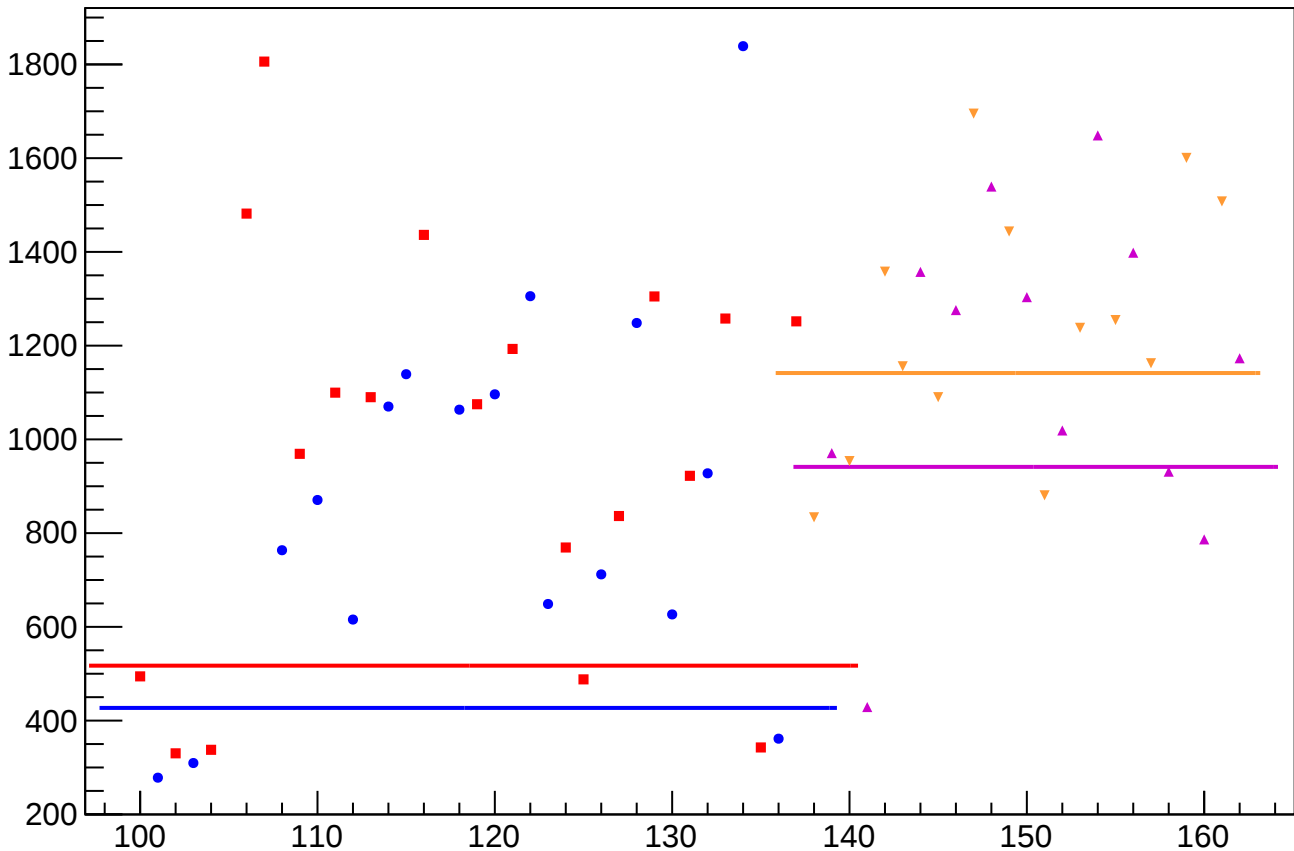
Left In: 498.195 ± 352.564 χ^2/NDF : 33.9/11

+ sign -327.395 ± 185.491 χ^2/NDF : 129.9/29

All: 75.967 ± 136.071 χ^2/NDF : 213.8/60

- sign 545.928 ± 200.220 χ^2/NDF : 73.6/30

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1141.584+/-0.278 χ^2/NDF : 819077.9/12

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

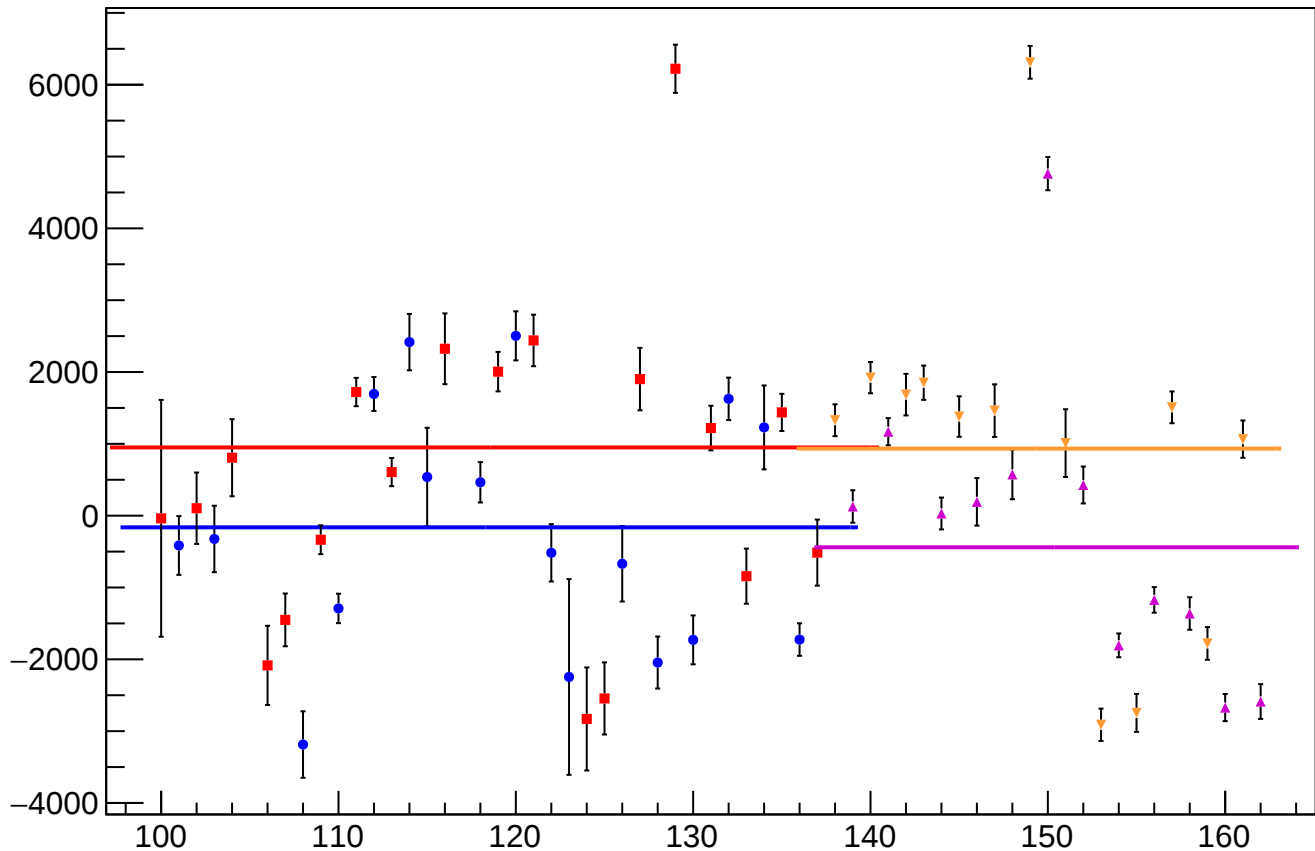
Left In: 941.345+/-0.249 χ^2/NDF : 2295694.5/11

+ sign 585.928+/-0.131 χ^2/NDF : 8815416.4/29

All: 617.375+/-0.096 χ^2/NDF : 16801402.7/60

- sign 654.013+/-0.142 χ^2/NDF : 7861534.8/30

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 933.880 ± 70.133 χ^2/NDF : 1241.3/12

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

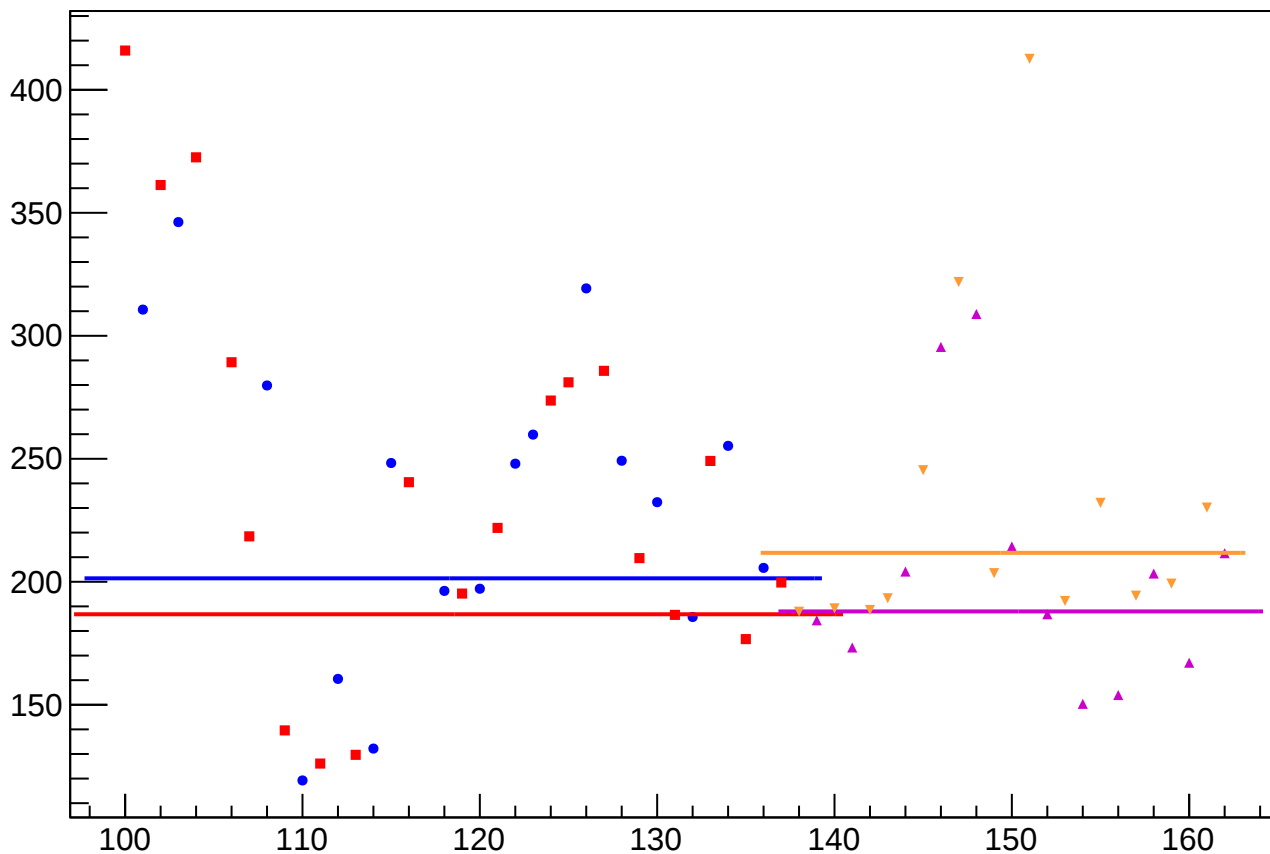
Left In: -439.838 ± 63.051 χ^2/NDF : 931.7/11

+ sign 473.046 ± 53.394 χ^2/NDF : 1731.5/29

All: 286.861 ± 35.818 χ^2/NDF : 3425.9/60

- sign 134.519 ± 48.298 χ^2/NDF : 1672.3/30

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 211.773 $\pm$ 0.050 χ^2 /NDF: 698911.5/12

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

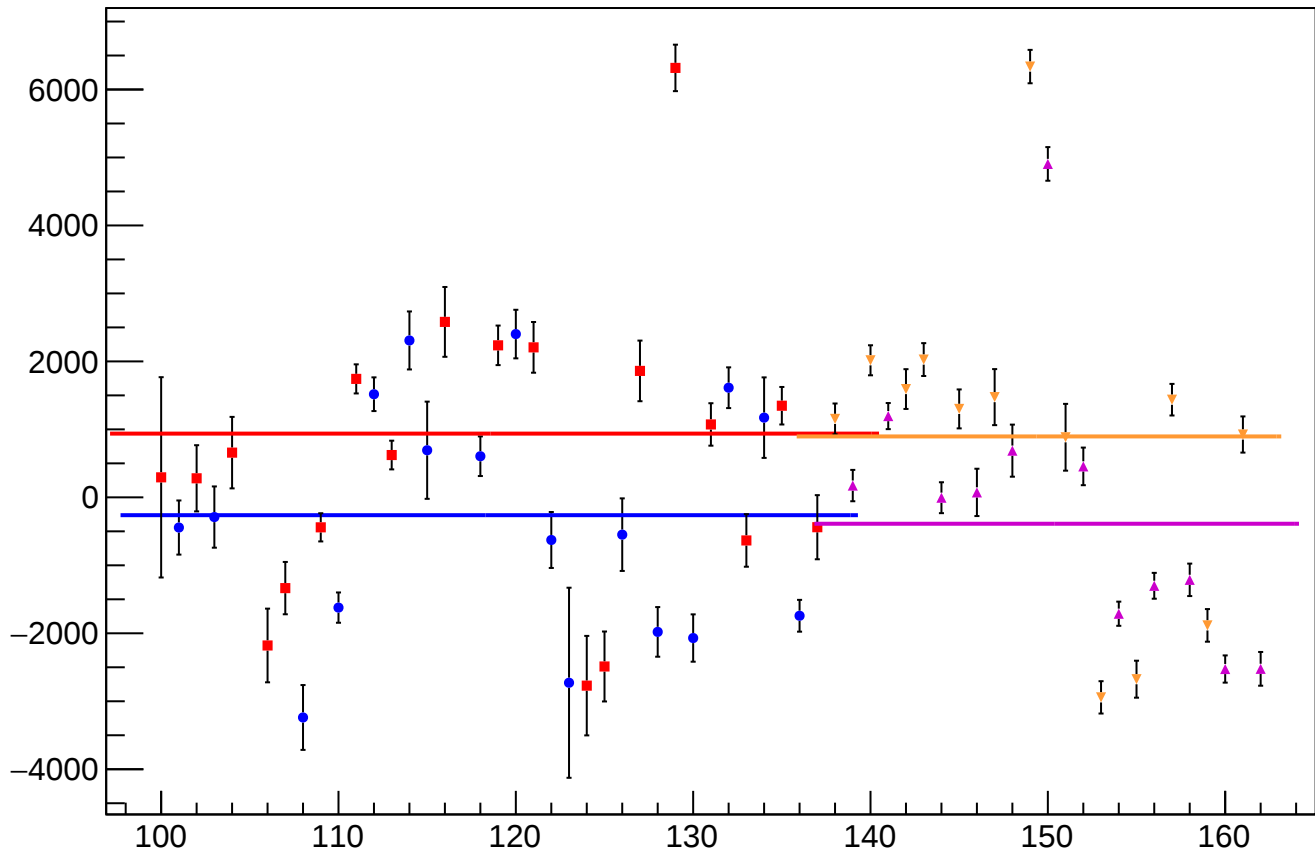
Left In: 187.956 $\pm$ 0.045 χ^2 /NDF: 733499.0/11

+ sign 207.416 $\pm$ 0.038 χ^2 /NDF: 1773292.2/29

All: 196.450 $\pm$ 0.025 χ^2 /NDF: 4053625.9/60

- sign 187.477 $\pm$ 0.034 χ^2 /NDF: 2126939.8/30

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 896.094 ± 72.784 χ^2/NDF : 1121.7/12

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

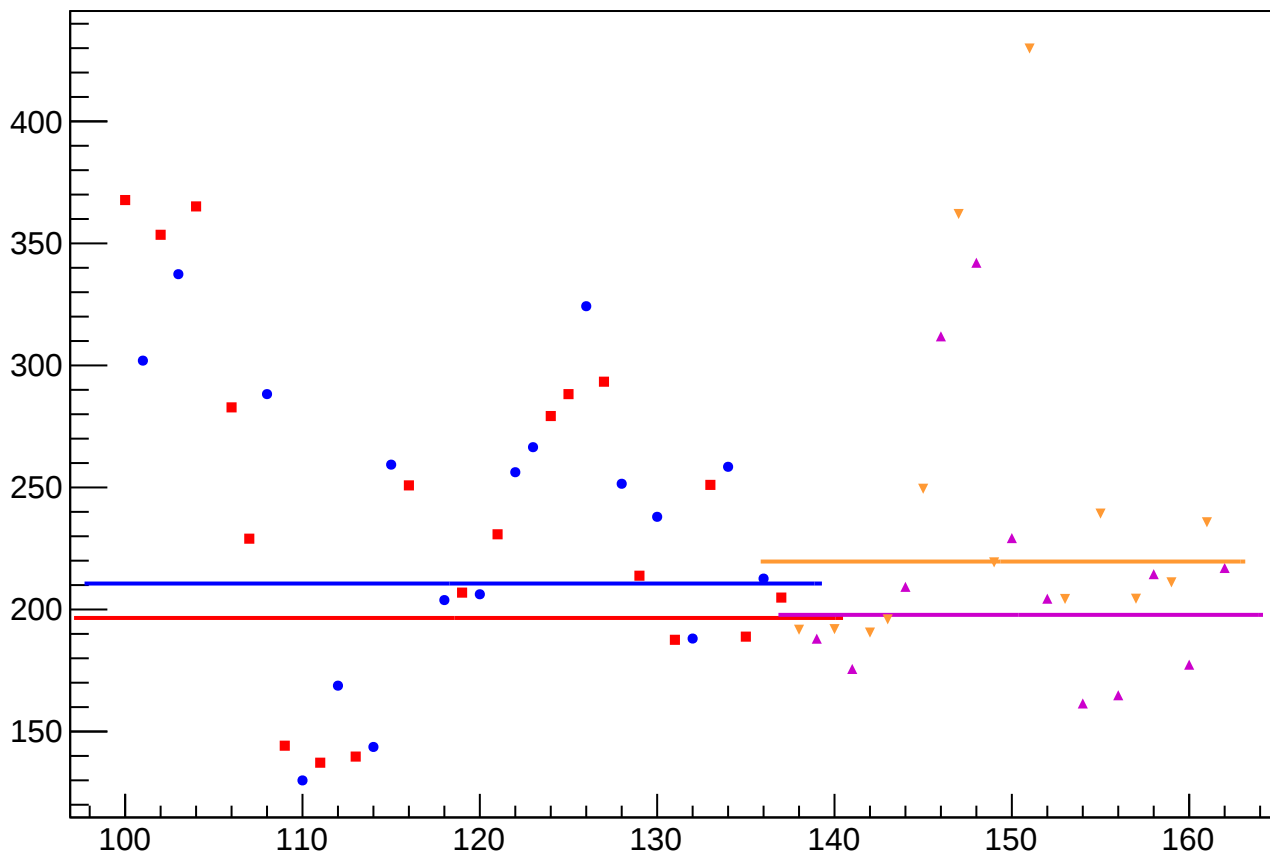
Left In: -388.384 ± 66.263 χ^2/NDF : 831.8/11

+ sign 408.915 ± 55.404 χ^2/NDF : 1597.0/29

All: 275.365 ± 37.370 χ^2/NDF : 3128.1/60

- sign 163.893 ± 50.618 χ^2/NDF : 1520.5/30

asym_bpm0l05WS_rms vs Slug



Right In: 210.636 $\pm$ 0.060 χ^2 /NDF: 875776.4/16

Left Out: 219.647 $\pm$ 0.051 χ^2 /NDF: 764494.3/12

Right Out: 196.528 $\pm$ 0.055 χ^2 /NDF: 1205091.0/18

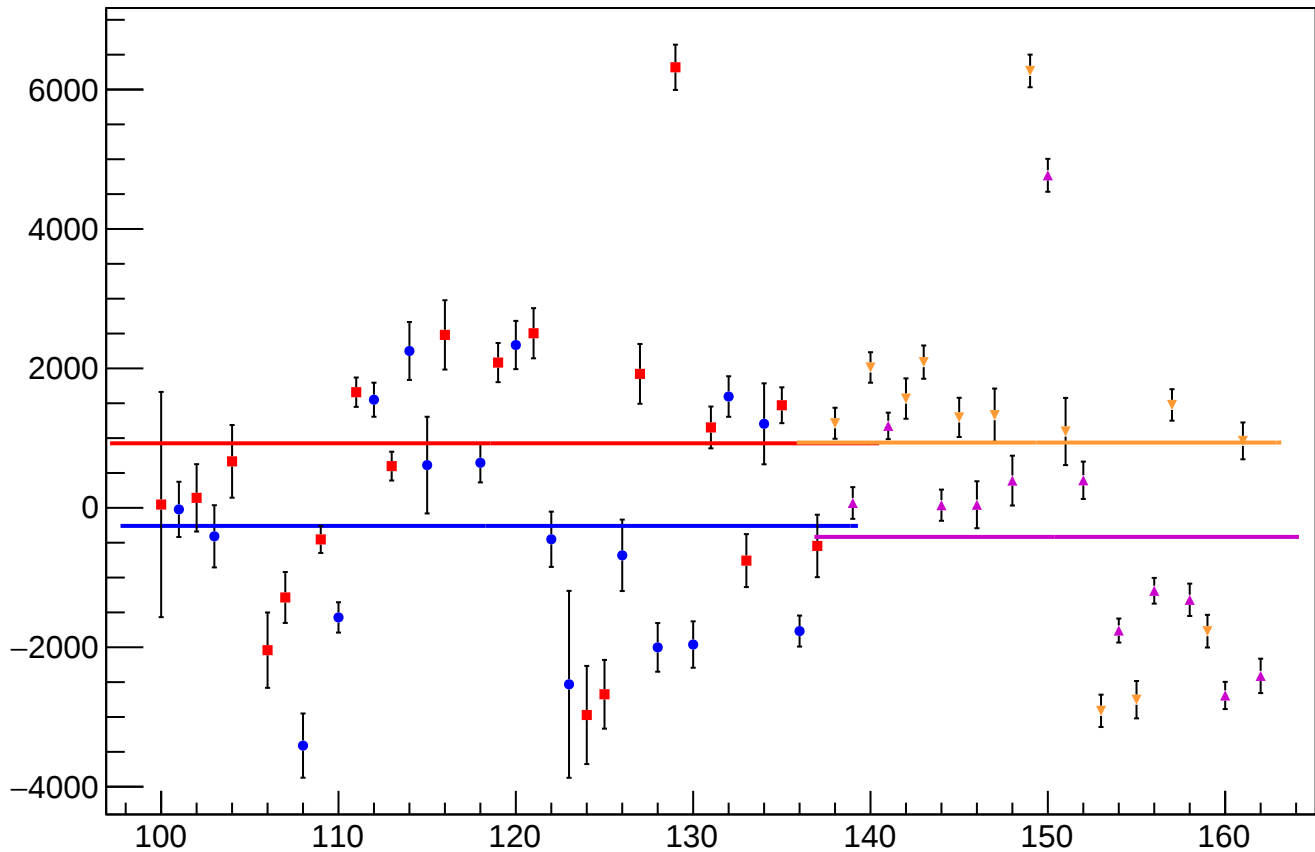
Left In: 197.799 $\pm$ 0.047 χ^2 /NDF: 753382.2/11

+ sign 215.857 $\pm$ 0.039 χ^2 /NDF: 1653162.9/29

All: 205.726 $\pm$ 0.026 χ^2 /NDF: 3734638.6/60

- sign 197.270 $\pm$ 0.036 χ^2 /NDF: 1958779.5/30

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 936.460 ± 71.198 χ^2/NDF : 1179.2/12

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

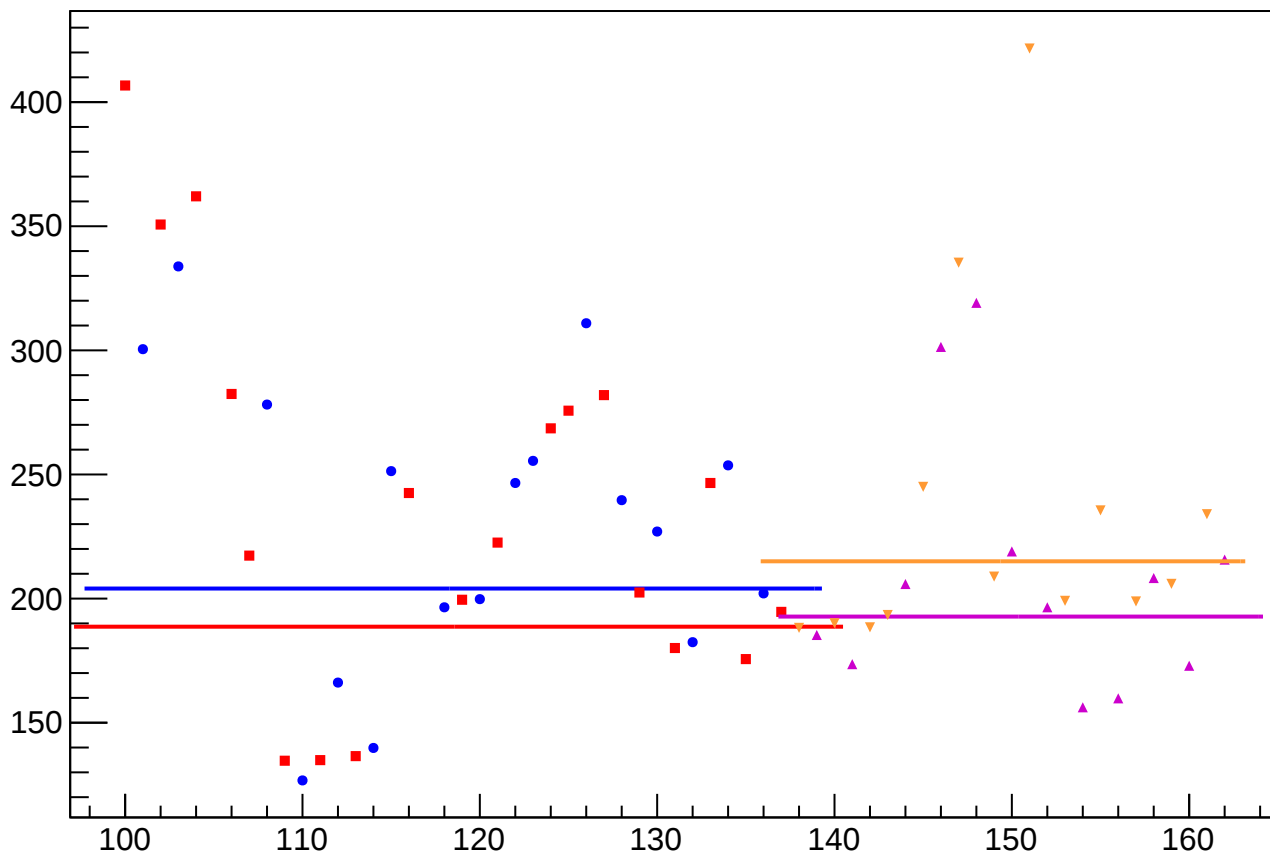
Left In: -416.883 ± 64.560 χ^2/NDF : 871.1/11

+ sign 428.243 ± 53.985 χ^2/NDF : 1690.3/29

All: 275.921 ± 36.311 χ^2/NDF : 3340.4/60

- sign 150.080 ± 49.068 χ^2/NDF : 1635.5/30

asym_bpm0l06WS_rms vs Slug



Right In: 204.051 ± 0.059 χ^2/NDF : 868423.0/16

Left Out: 215.020 ± 0.050 χ^2/NDF : 723126.7/12

Right Out: 188.681 ± 0.053 χ^2/NDF : 1251107.4/18

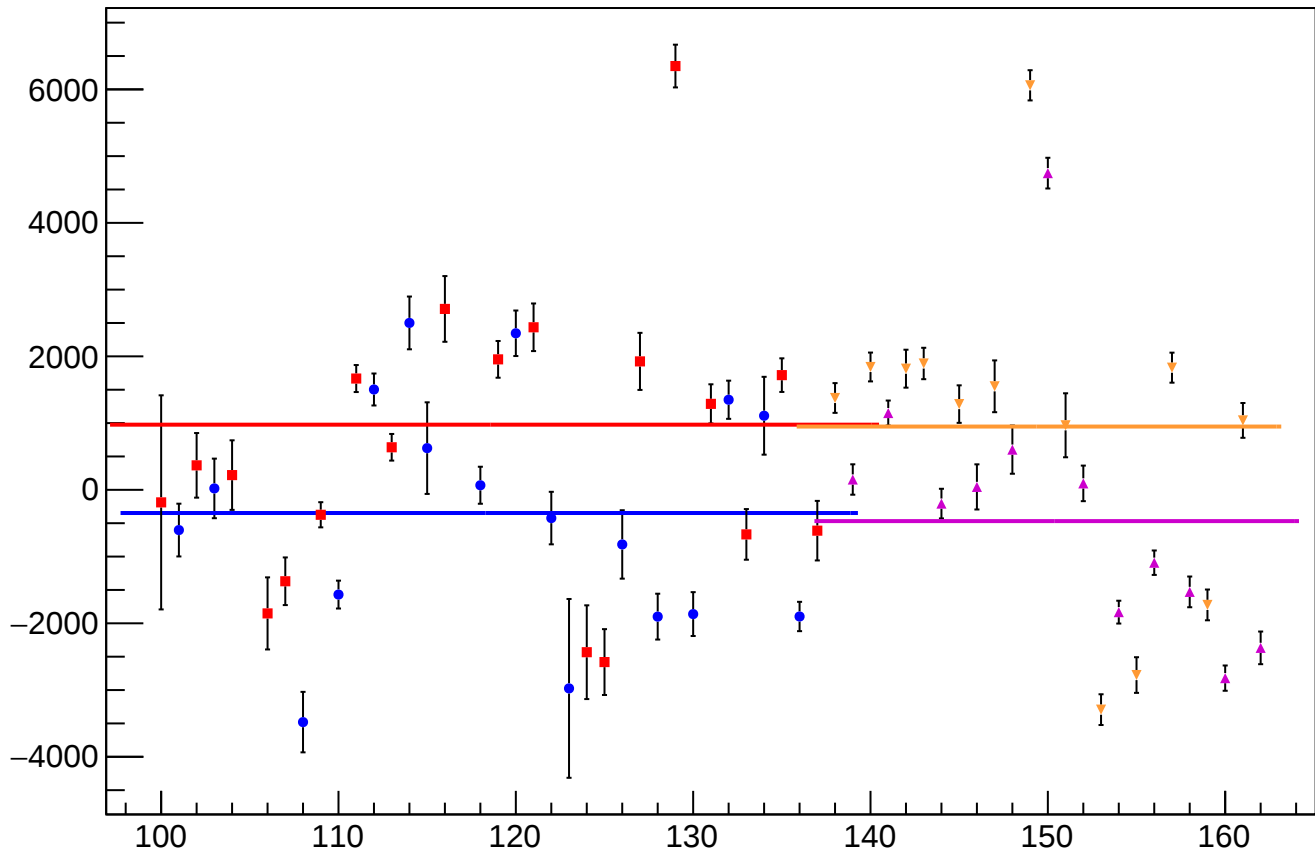
Left In: 192.754 ± 0.046 χ^2/NDF : 713287.4/11

+ sign 210.358 ± 0.038 χ^2/NDF : 1611729.4/29

All: 199.776 ± 0.026 χ^2/NDF : 3719818.1/60

- sign 191.033 ± 0.035 χ^2/NDF : 1967757.3/30

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 948.153 ± 70.488 χ^2/NDF : 1242.7/12

Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

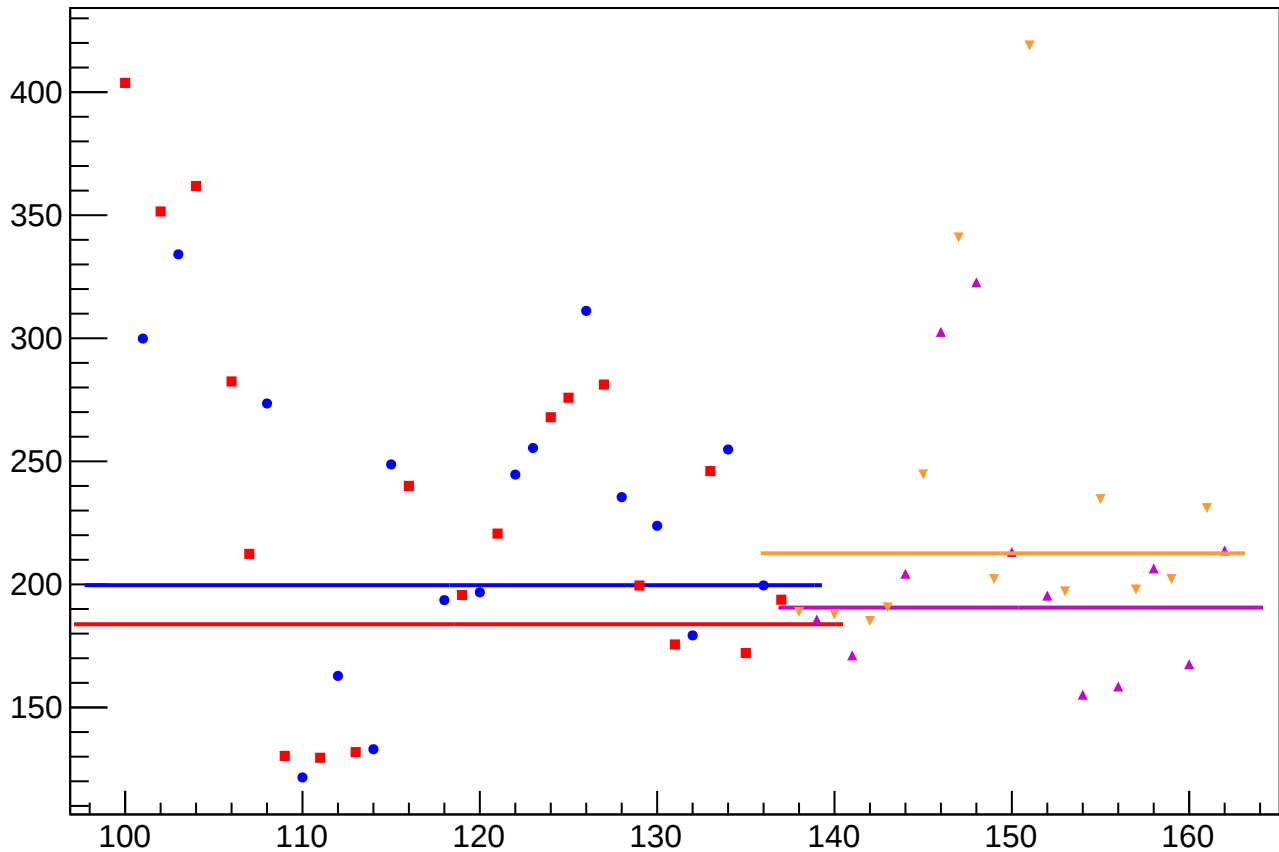
Left In: -468.557 ± 63.892 χ^2/NDF : 923.8/11

+ sign 392.401 ± 53.263 χ^2/NDF : 1786.7/29

All: 259.228 ± 35.791 χ^2/NDF : 3526.4/60

- sign 149.582 ± 48.330 χ^2/NDF : 1728.3/30

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 ± 0.058 χ^2/NDF : 943155.1/16

Left Out: 212.622 ± 0.050 χ^2/NDF : 750267.9/12

+ sign 207.065 ± 0.038 χ^2/NDF : 1722397.9/29

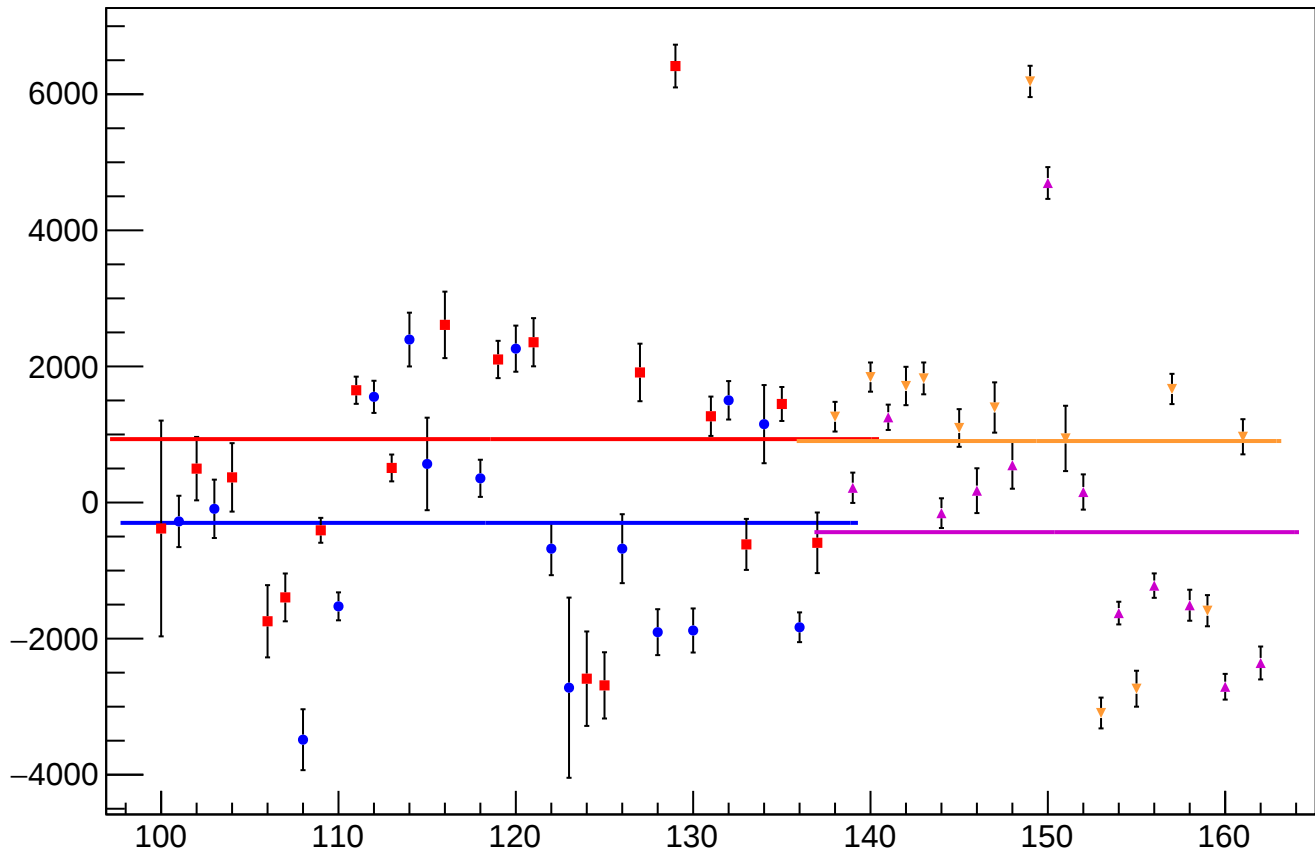
Right Out: 183.808 ± 0.052 χ^2/NDF : 1349625.1/18

All: 196.433 ± 0.025 χ^2/NDF : 3968145.0/60

- sign 187.679 ± 0.034 χ^2/NDF : 2100435.7/30

Left In: 190.573 ± 0.045 χ^2/NDF : 741219.1/11

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 903.717 ± 69.791 χ^2/NDF : 1207.4/12

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

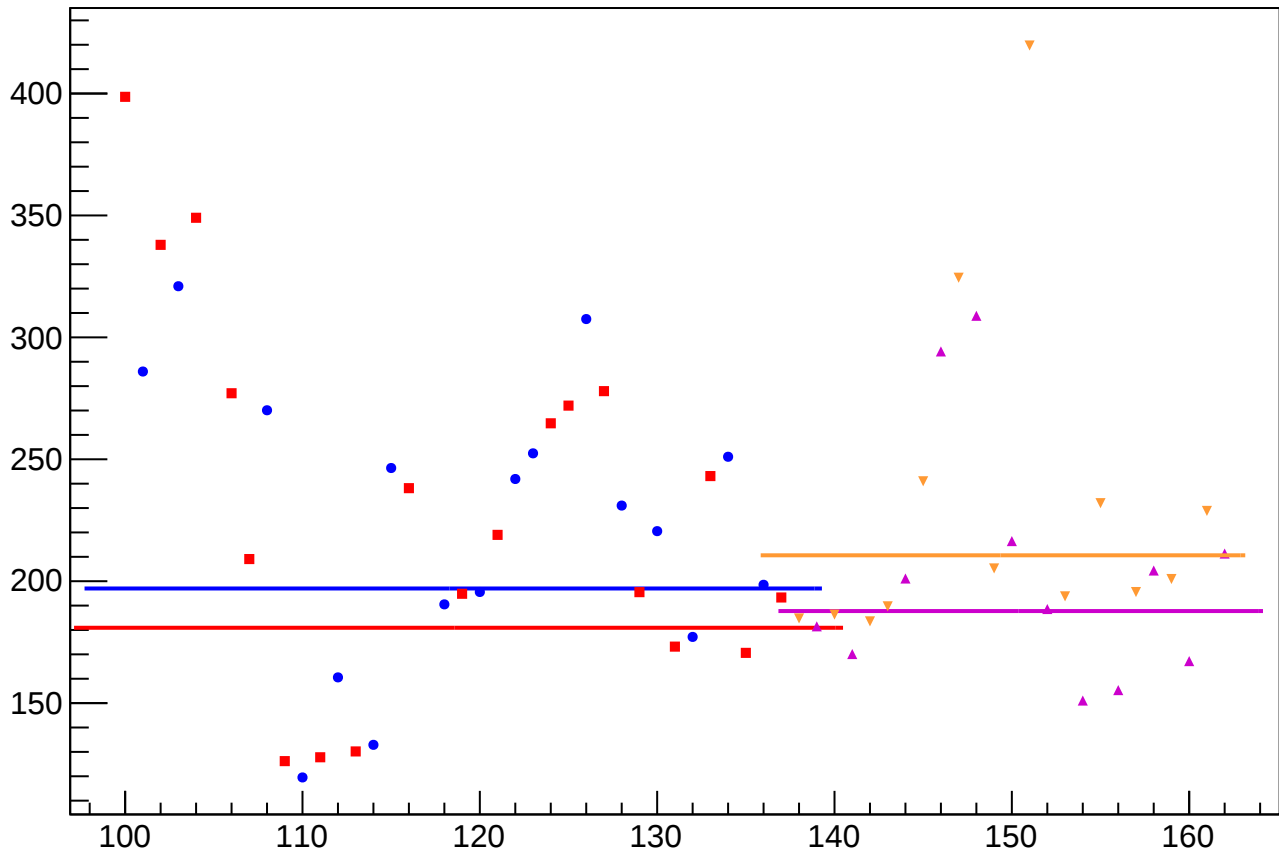
Left In: -435.382 ± 62.971 χ^2/NDF : 891.6/11

+ sign 385.158 ± 52.637 χ^2/NDF : 1742.0/29

All: 255.942 ± 35.310 χ^2/NDF : 3461.3/60

- sign 150.219 ± 47.612 χ^2/NDF : 1708.3/30

asym_bpm0l08WS_rms vs Slug



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

Left Out: 210.621+/-0.049 χ^2/NDF : 729446.1/12

Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

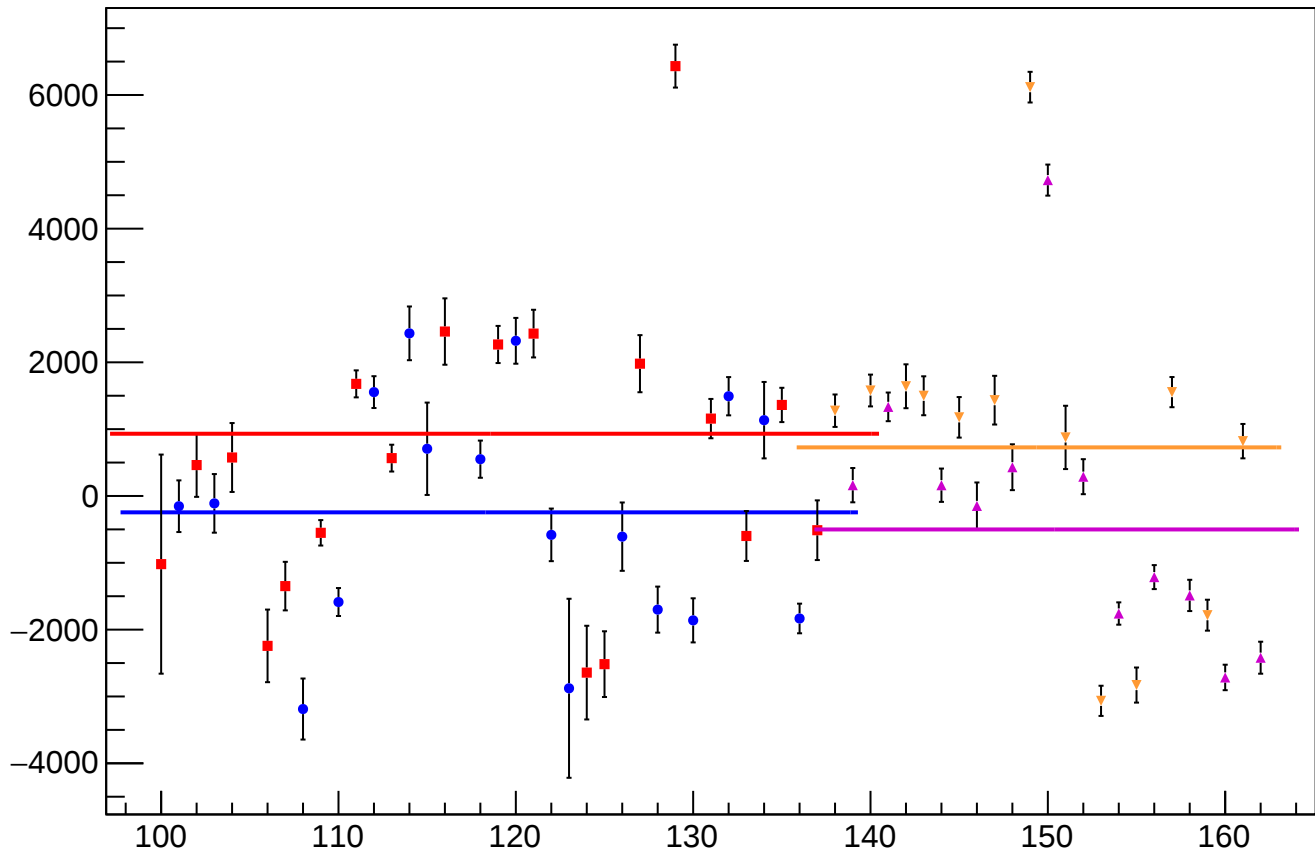
Left In: 187.758+/-0.045 χ^2/NDF : 727176.5/11

+ sign 204.754+/-0.037 χ^2/NDF : 1674153.7/29

All: 193.792+/-0.025 χ^2/NDF : 3914868.6/60

- sign 184.823+/-0.034 χ^2/NDF : 2083004.1/30

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 727.149 ± 73.506 χ^2/NDF : 1187.8/12

Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

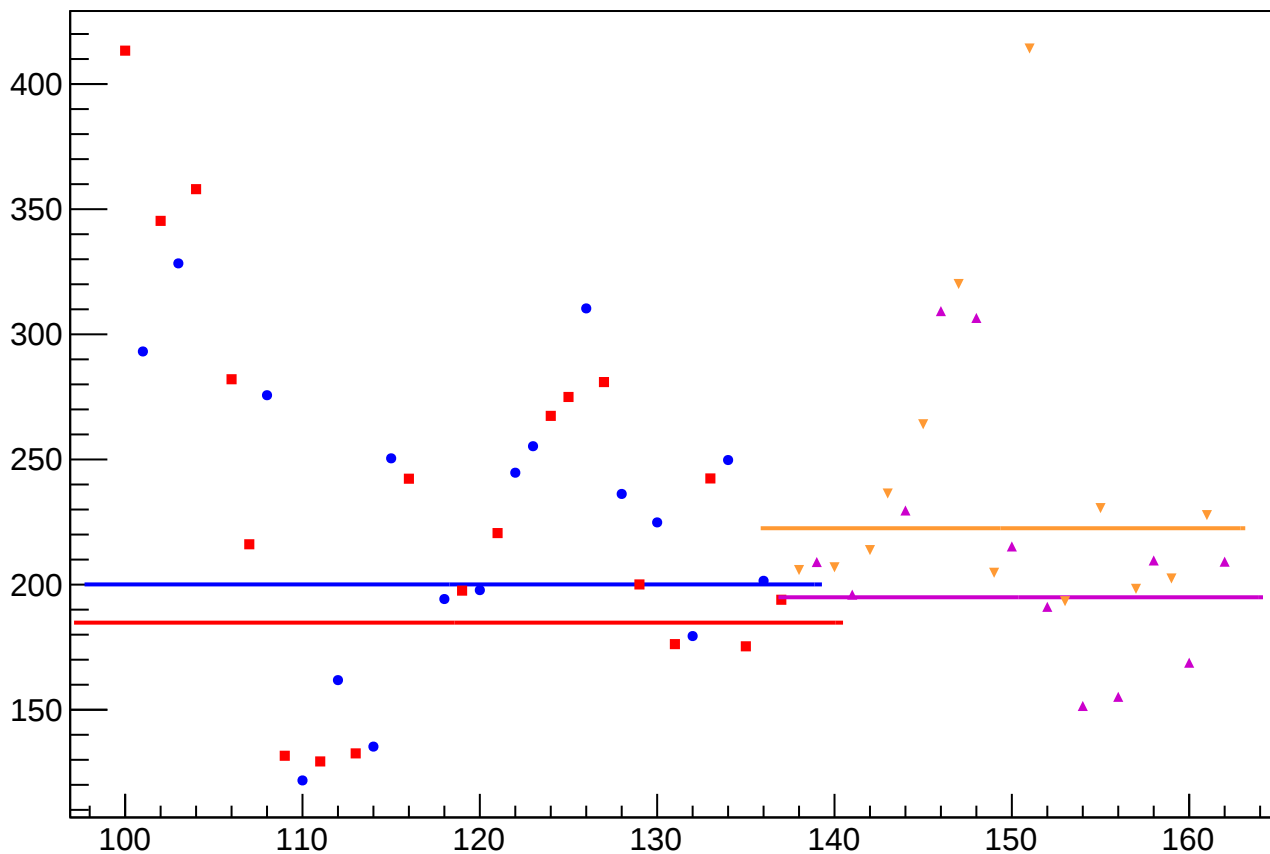
Left In: -500.877 ± 65.528 χ^2/NDF : 899.9/11

+ sign 290.492 ± 54.553 χ^2/NDF : 1657.7/29

All: 199.978 ± 36.502 χ^2/NDF : 3381.6/60

- sign 126.600 ± 49.118 χ^2/NDF : 1718.9/30

asym_bpm0l09WS_rms vs Slug



Right In: 200.078 $\pm$ 0.058 χ^2 /NDF: 918309.2/16

Left Out: 222.527 $\pm$ 0.052 χ^2 /NDF: 618533.5/12

Right Out: 184.807 $\pm$ 0.052 χ^2 /NDF: 1318267.6/18

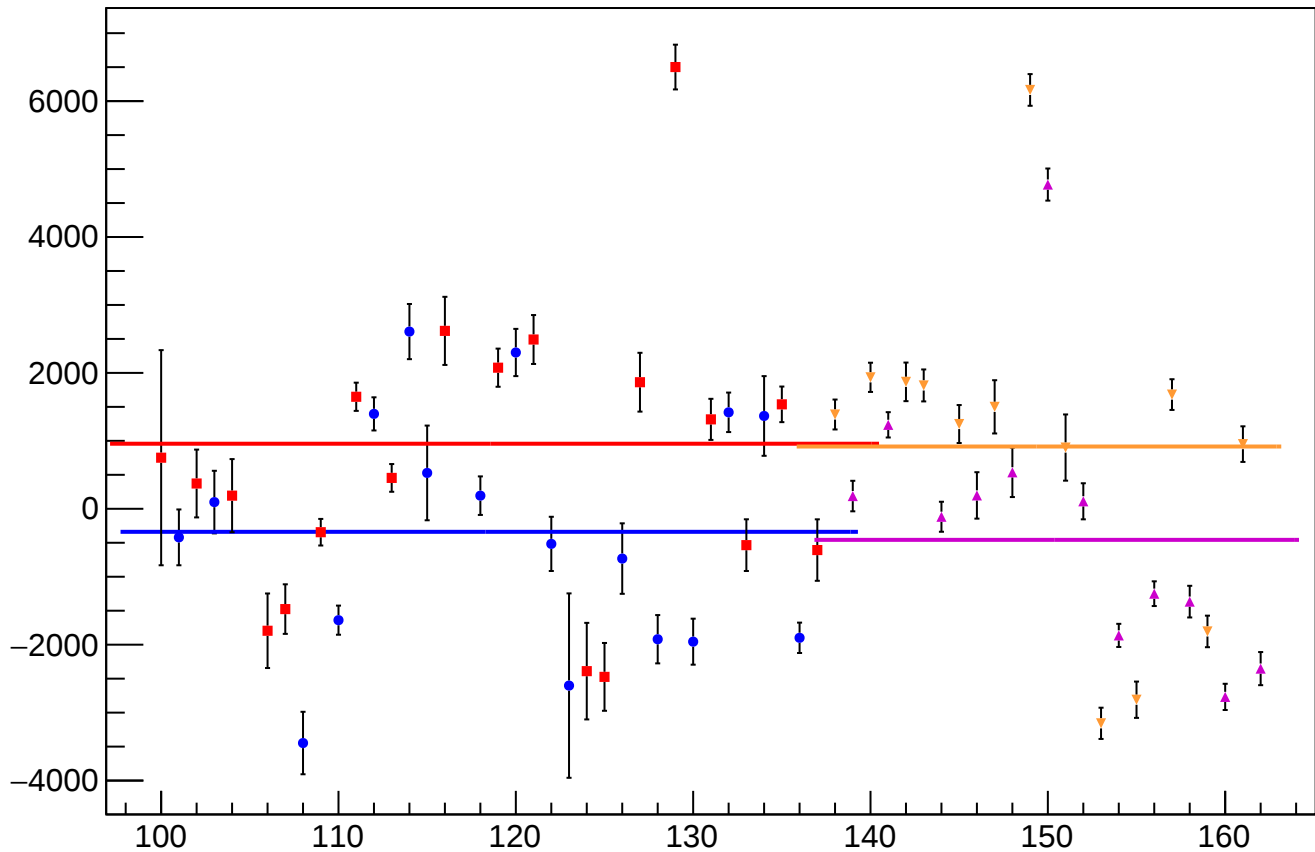
Left In: 194.943 $\pm$ 0.046 χ^2 /NDF: 770609.1/11

+ sign 212.443 $\pm$ 0.039 χ^2 /NDF: 1620637.1/29

All: 200.326 $\pm$ 0.026 χ^2 /NDF: 3909151.2/60

- sign 190.502 $\pm$ 0.035 χ^2 /NDF: 2109842.7/30

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 916.588 ± 70.668 χ^2/NDF : 1219.7/12

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

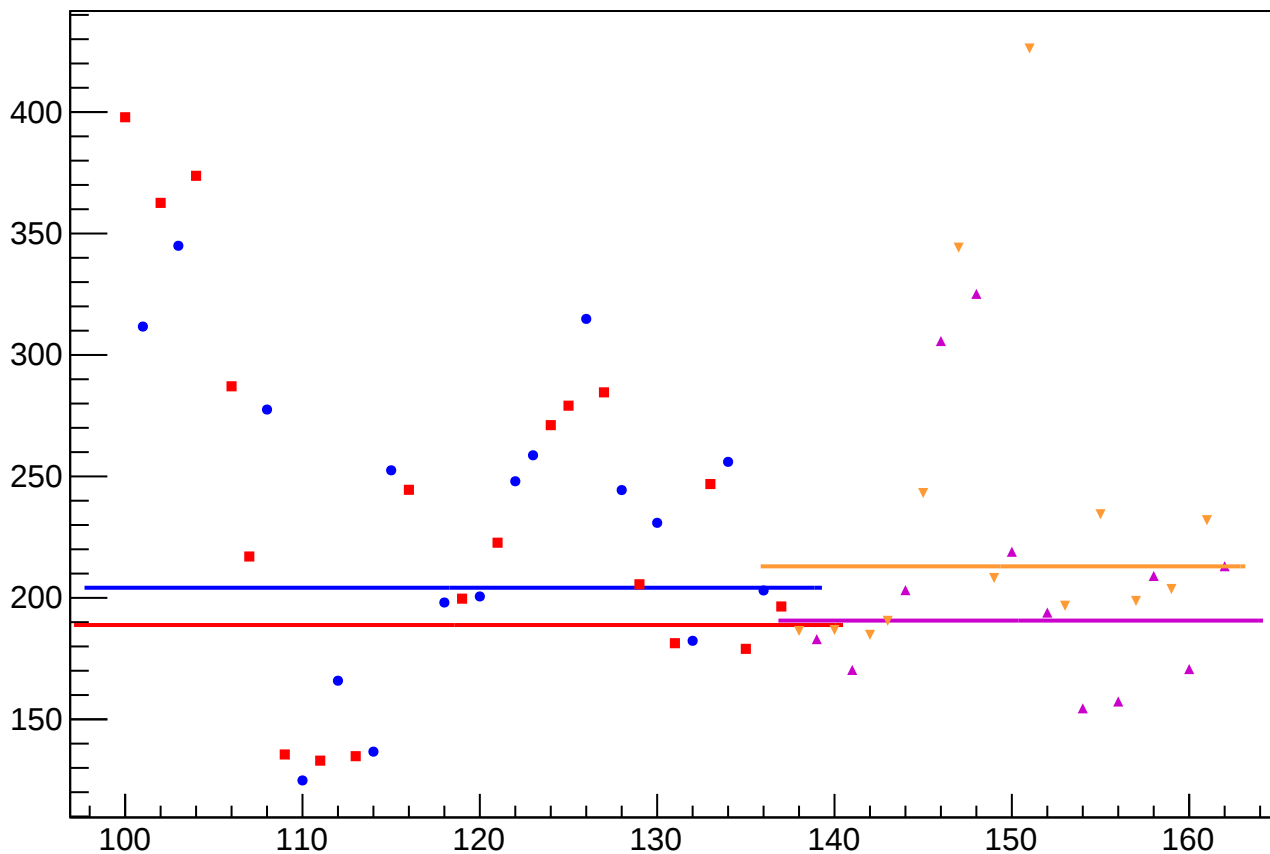
Left In: -457.211 ± 63.993 χ^2/NDF : 904.8/11

+ sign 389.830 ± 53.840 χ^2/NDF : 1741.6/29

All: 248.511 ± 36.192 χ^2/NDF : 3432.8/60

- sign 132.015 ± 48.884 χ^2/NDF : 1678.6/30

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 212.973 $\pm$ 0.050 χ^2 /NDF: 772431.9/12

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

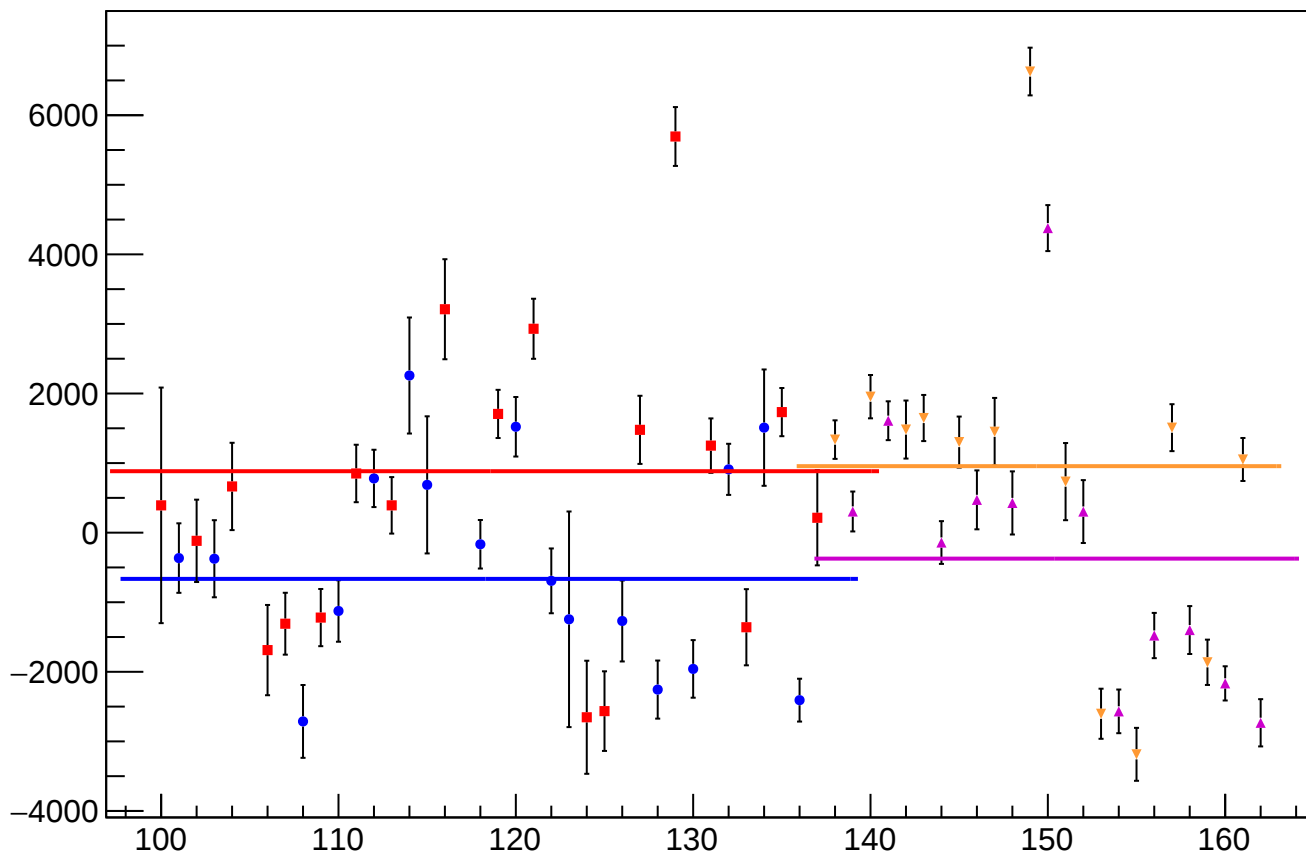
Left In: 190.648 $\pm$ 0.045 χ^2 /NDF: 768950.2/11

+ sign 209.282 $\pm$ 0.038 χ^2 /NDF: 1732876.3/29

All: 198.651 $\pm$ 0.026 χ^2 /NDF: 3959654.9/60

- sign 189.887 $\pm$ 0.035 χ^2 /NDF: 2084520.5/30

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 $\chi^2/\text{NDF}: 154.3/16$

Left Out: 955.790 ± 97.624 $\chi^2/\text{NDF}: 587.8/12$

Right Out: 883.255 ± 110.875 $\chi^2/\text{NDF}: 320.1/18$

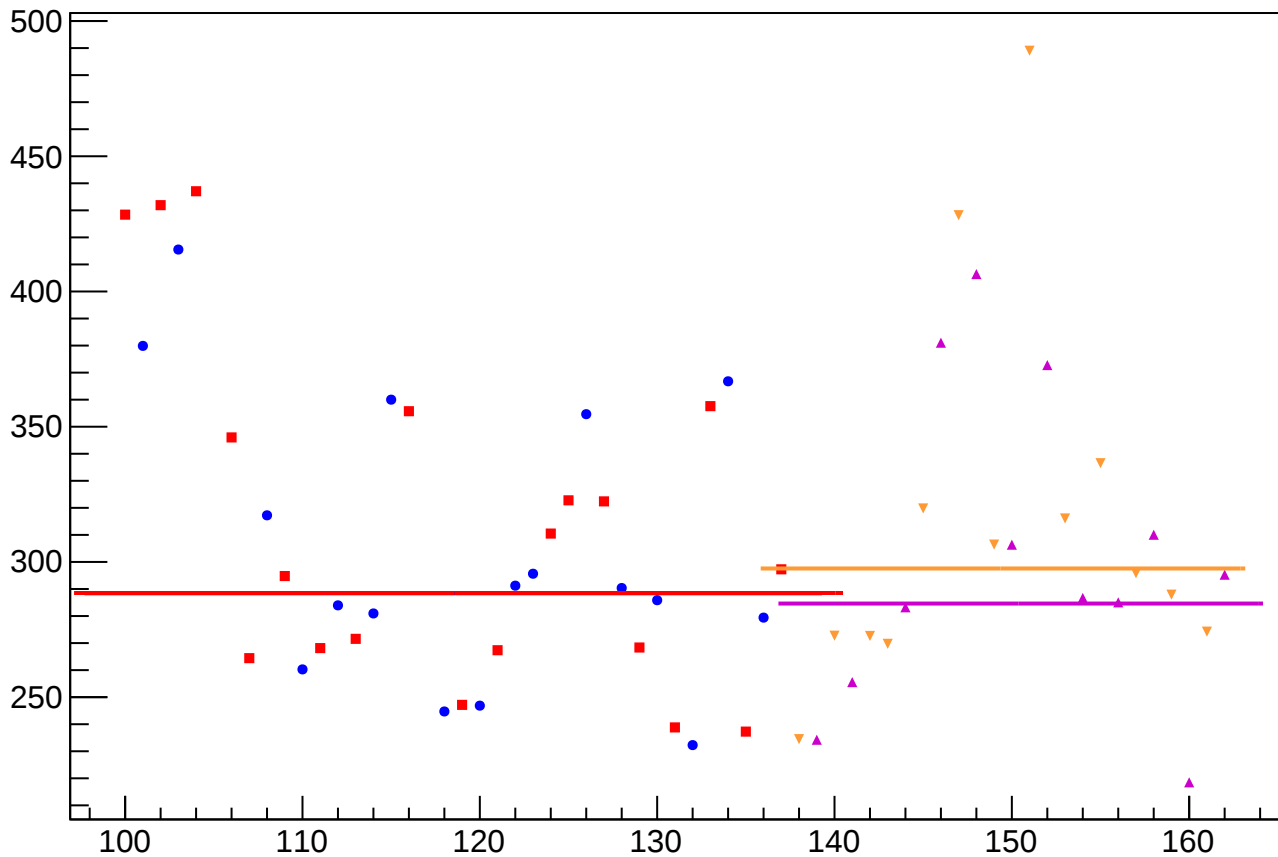
Left In: -373.151 ± 93.937 $\chi^2/\text{NDF}: 443.4/11$

+ sign 269.975 ± 74.136 $\chi^2/\text{NDF}: 858.7/29$

All: 208.918 ± 51.529 $\chi^2/\text{NDF}: 1698.2/60$

- sign 151.853 ± 71.672 $\chi^2/\text{NDF}: 838.2/30$

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 ± 0.081 $\chi^2/\text{NDF}: 339820.0/16$

Left Out: 297.583 ± 0.069 $\chi^2/\text{NDF}: 568542.8/12$

Right Out: 288.522 ± 0.078 $\chi^2/\text{NDF}: 455410.1/18$

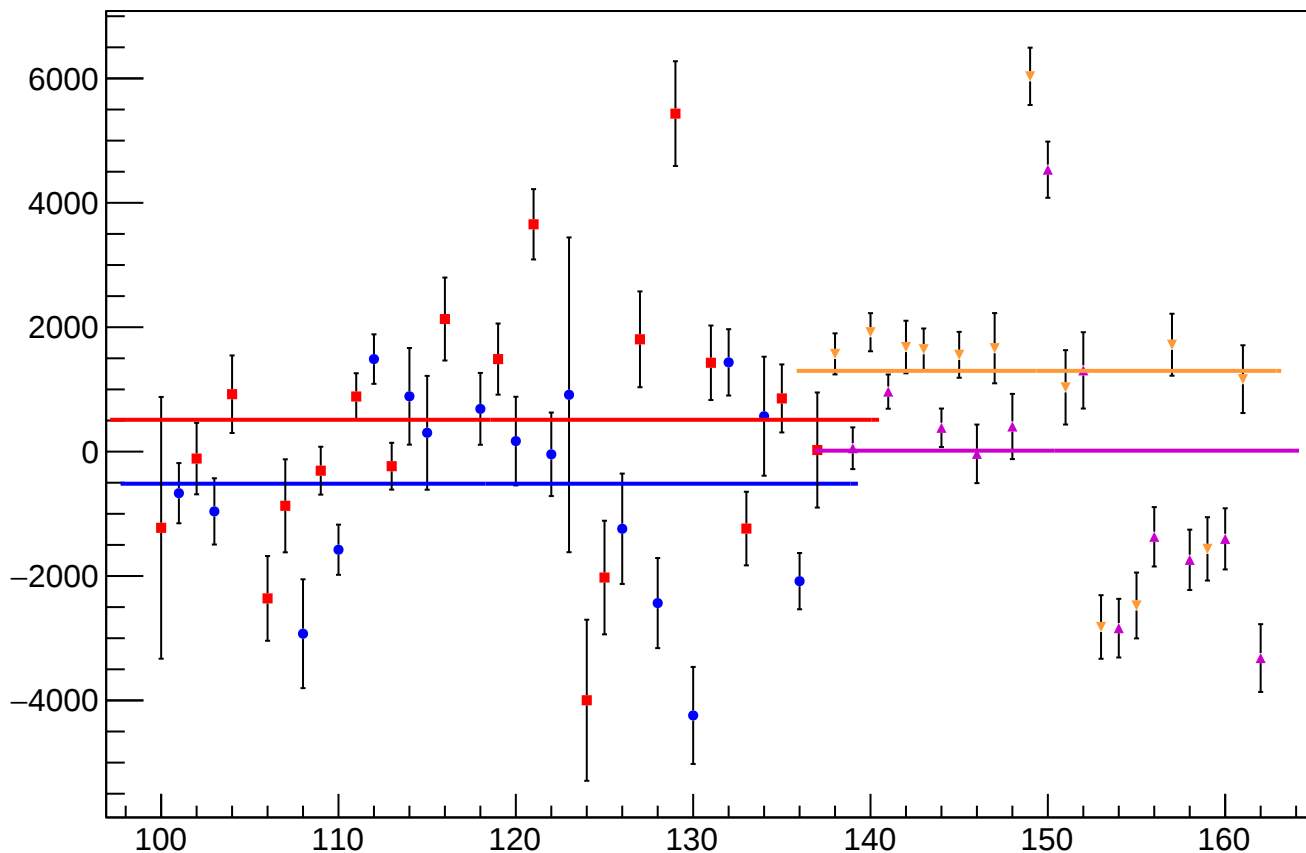
Left In: 284.616 ± 0.066 $\chi^2/\text{NDF}: 573726.3/11$

+ sign 293.708 ± 0.052 $\chi^2/\text{NDF}: 915807.1/29$

All: 289.852 ± 0.036 $\chi^2/\text{NDF}: 1956853.7/60$

- sign 286.248 ± 0.051 $\chi^2/\text{NDF}: 1030581.2/30$

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1298.480 ± 118.622 $\chi^2/\text{NDF}: 261.5/12$

Right Out: 511.851 ± 135.798 $\chi^2/\text{NDF}: 141.3/18$

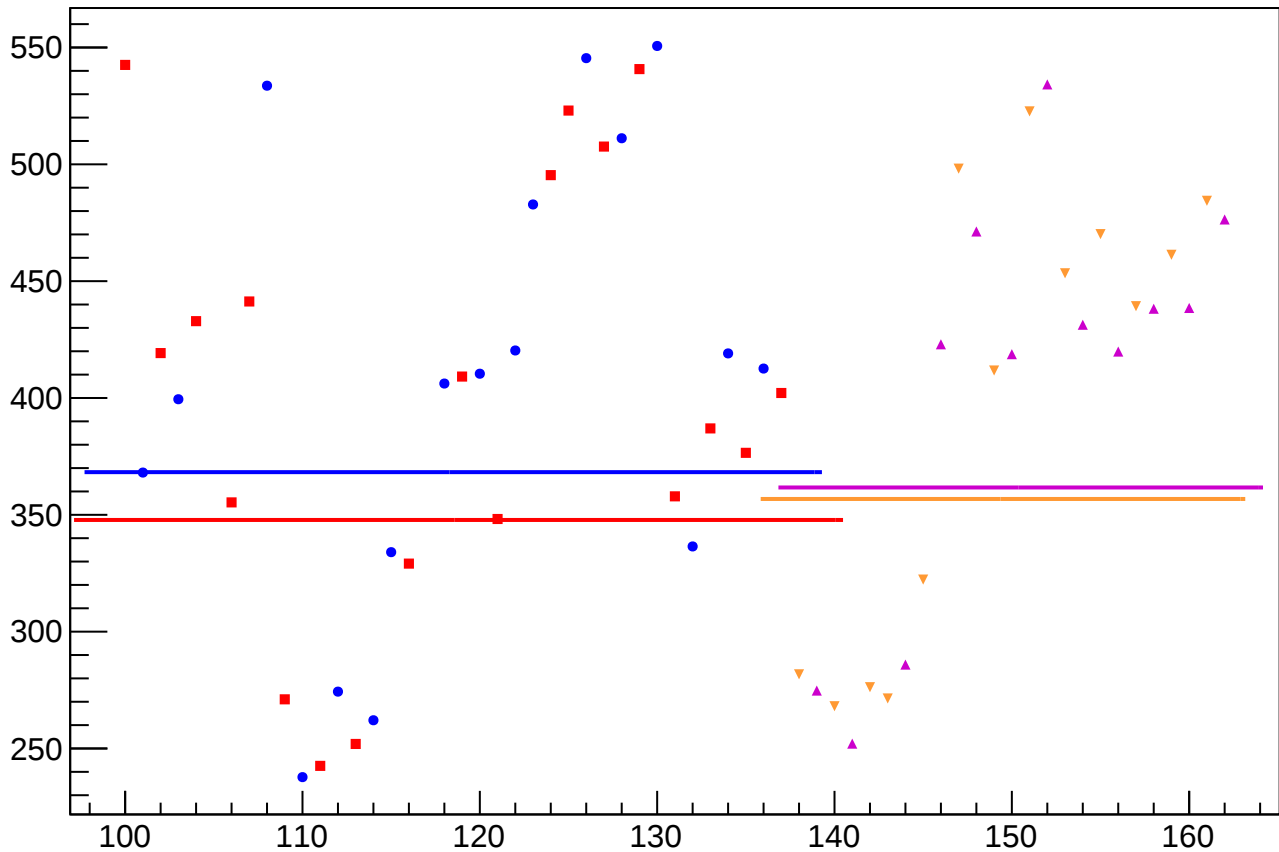
Left In: 15.510 ± 120.509 $\chi^2/\text{NDF}: 222.2/11$

+ sign 584.870 ± 92.395 $\chi^2/\text{NDF}: 461.5/29$

All: 405.184 ± 64.519 $\chi^2/\text{NDF}: 839.8/60$

- sign 234.178 ± 90.136 $\chi^2/\text{NDF}: 371.0/30$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 356.784+/-0.084 χ^2/NDF : 1212083.6/12

Right Out: 347.802+/-0.096 χ^2/NDF : 821862.5/18

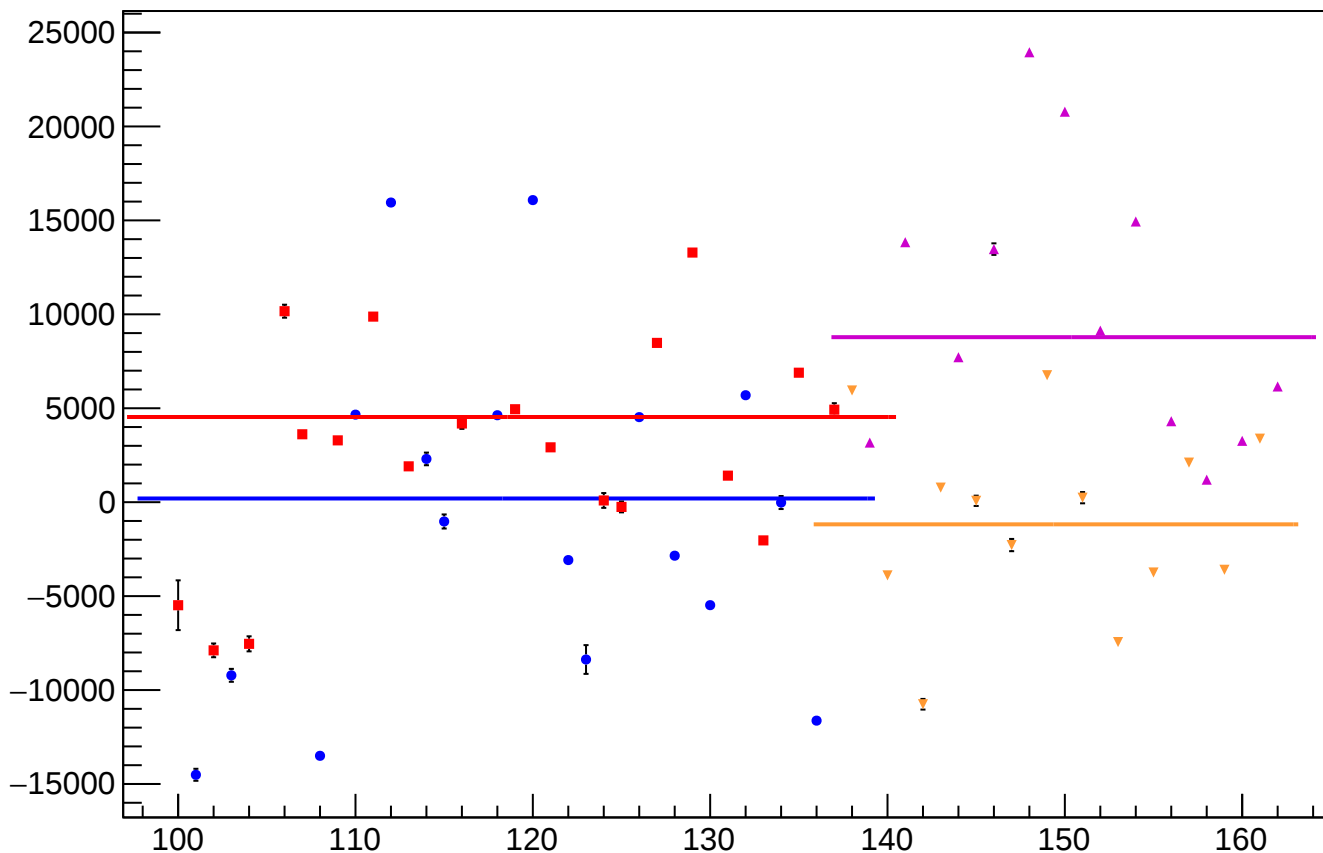
Left In: 361.700+/-0.085 χ^2/NDF : 1143097.8/11

+ sign 361.299+/-0.065 χ^2/NDF : 1989567.6/29

All: 358.367+/-0.046 χ^2/NDF : 3970177.3/60

- sign 355.577+/-0.064 χ^2/NDF : 1976679.2/30

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -1179.044+/-55.268 χ^2/NDF : 7308.1/12

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

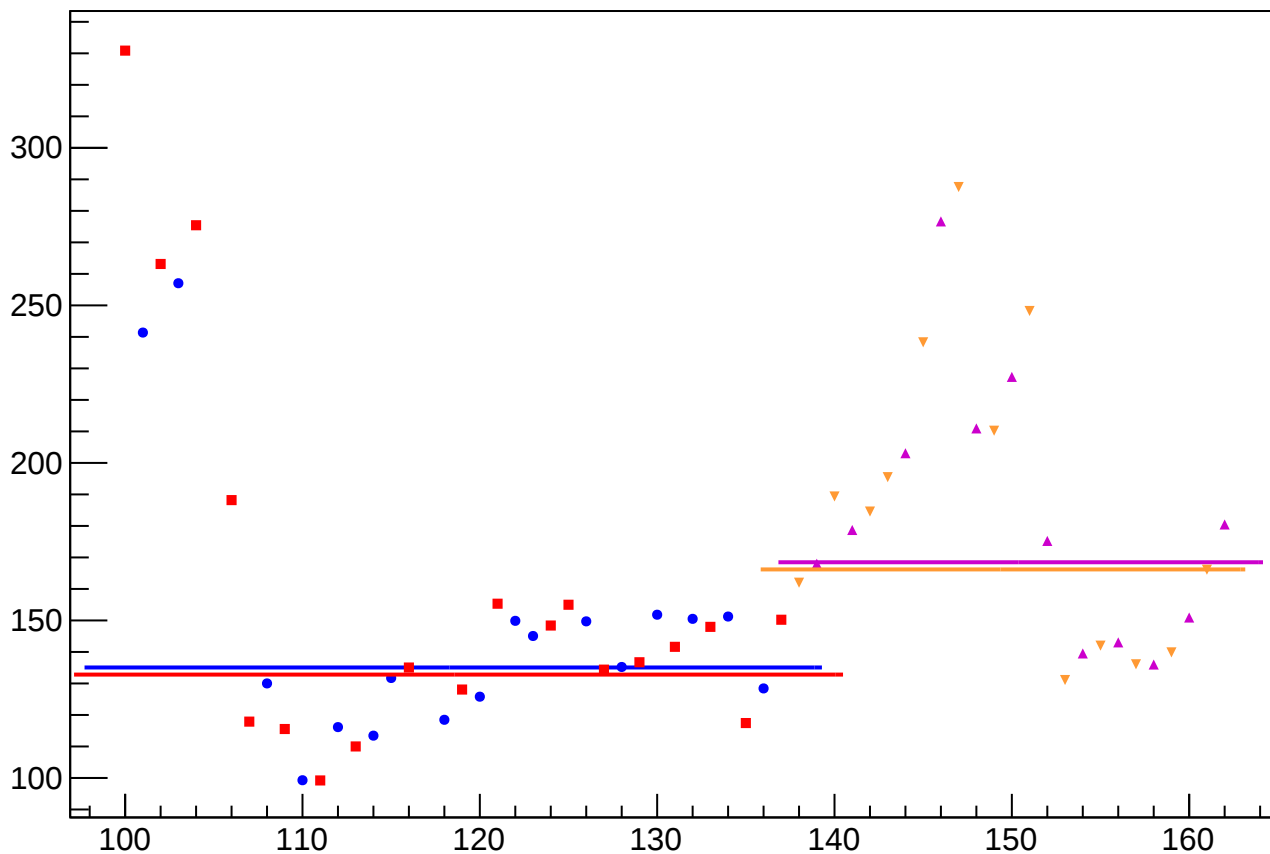
Left In: 8783.759+/-56.371 χ^2/NDF : 14007.7/11

+ sign -485.148+/-38.913 χ^2/NDF : 38278.9/29

All: 3056.761+/-27.334 χ^2/NDF : 79163.2/60

- sign 6506.519+/-38.404 χ^2/NDF : 24530.3/30

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 166.193 $\pm$ 0.039 χ^2 /NDF: 988562.8/12

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

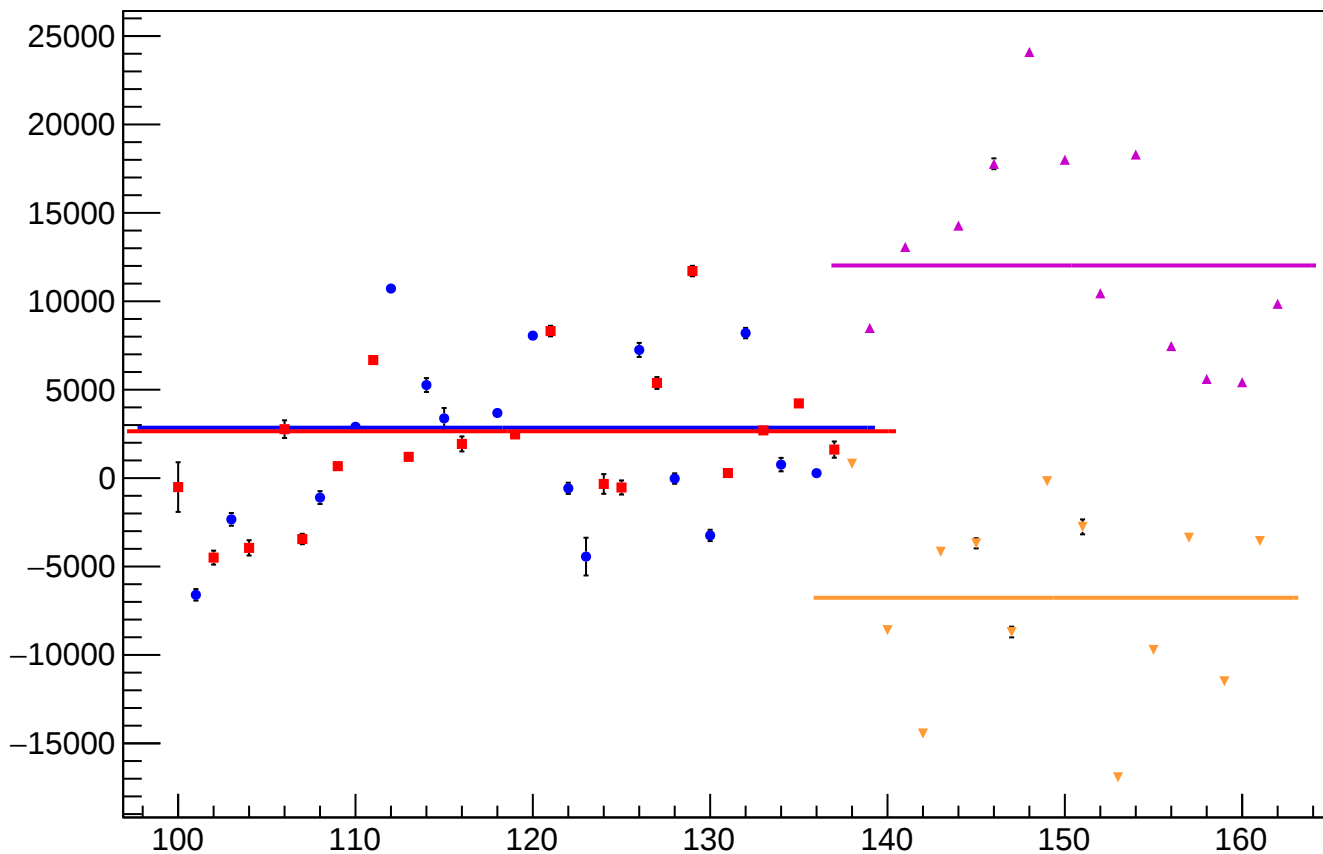
Left In: 168.469 $\pm$ 0.040 χ^2 /NDF: 720135.1/11

+ sign 150.500 $\pm$ 0.028 χ^2 /NDF: 1967049.0/29

All: 149.924 $\pm$ 0.019 χ^2 /NDF: 3947944.1/60

- sign 149.363 $\pm$ 0.027 χ^2 /NDF: 1980031.2/30

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -6767.050+/-63.934 χ^2/NDF : 7402.4/12

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

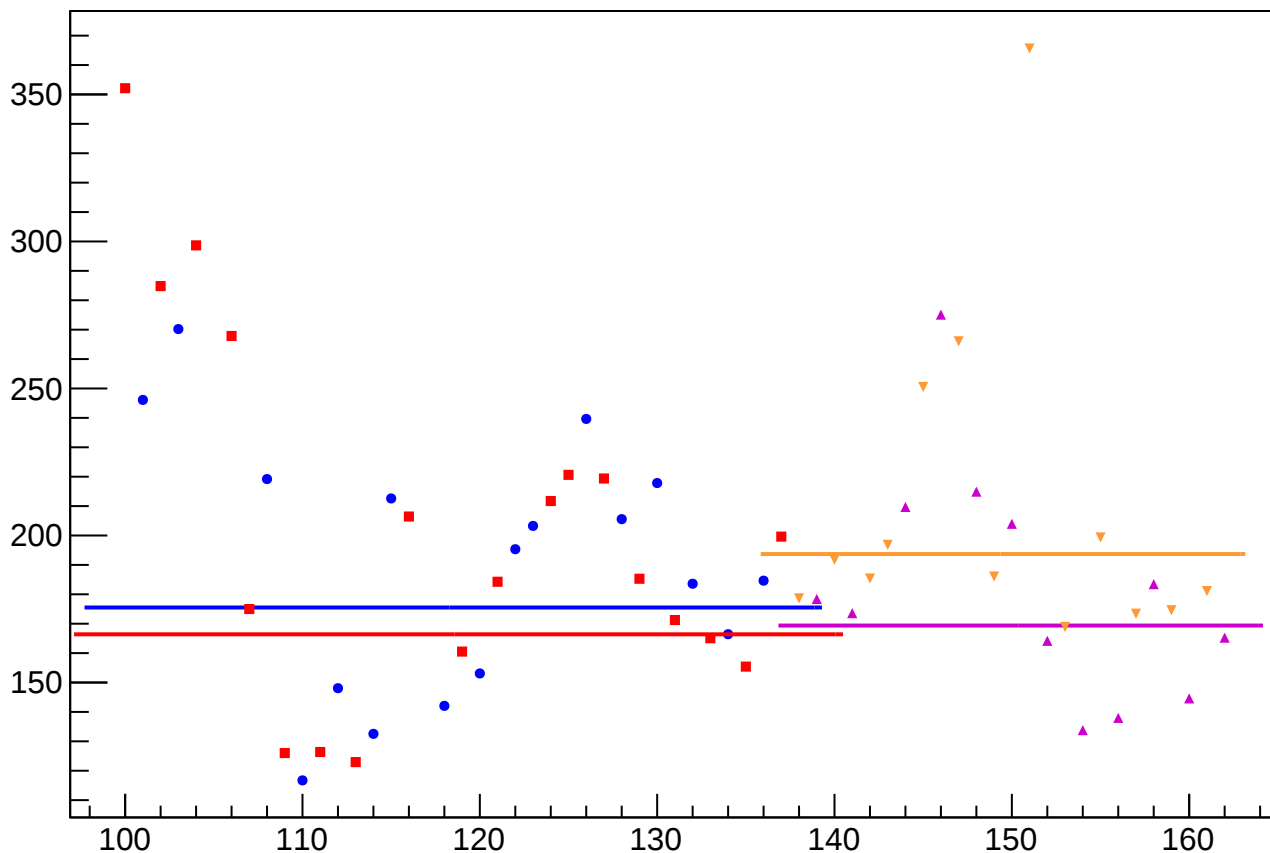
Left In: 12026.439+/-56.755 χ^2/NDF : 9355.8/11

+ sign -2443.581+/-47.436 χ^2/NDF : 21754.3/29

All: 3306.045+/-31.842 χ^2/NDF : 72684.9/60

- sign 8021.262+/-42.958 χ^2/NDF : 24191.1/30

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 193.695+/-0.045 χ^2/NDF : 619544.0/12

Right Out: 166.393+/-0.046 χ^2/NDF : 929534.5/18

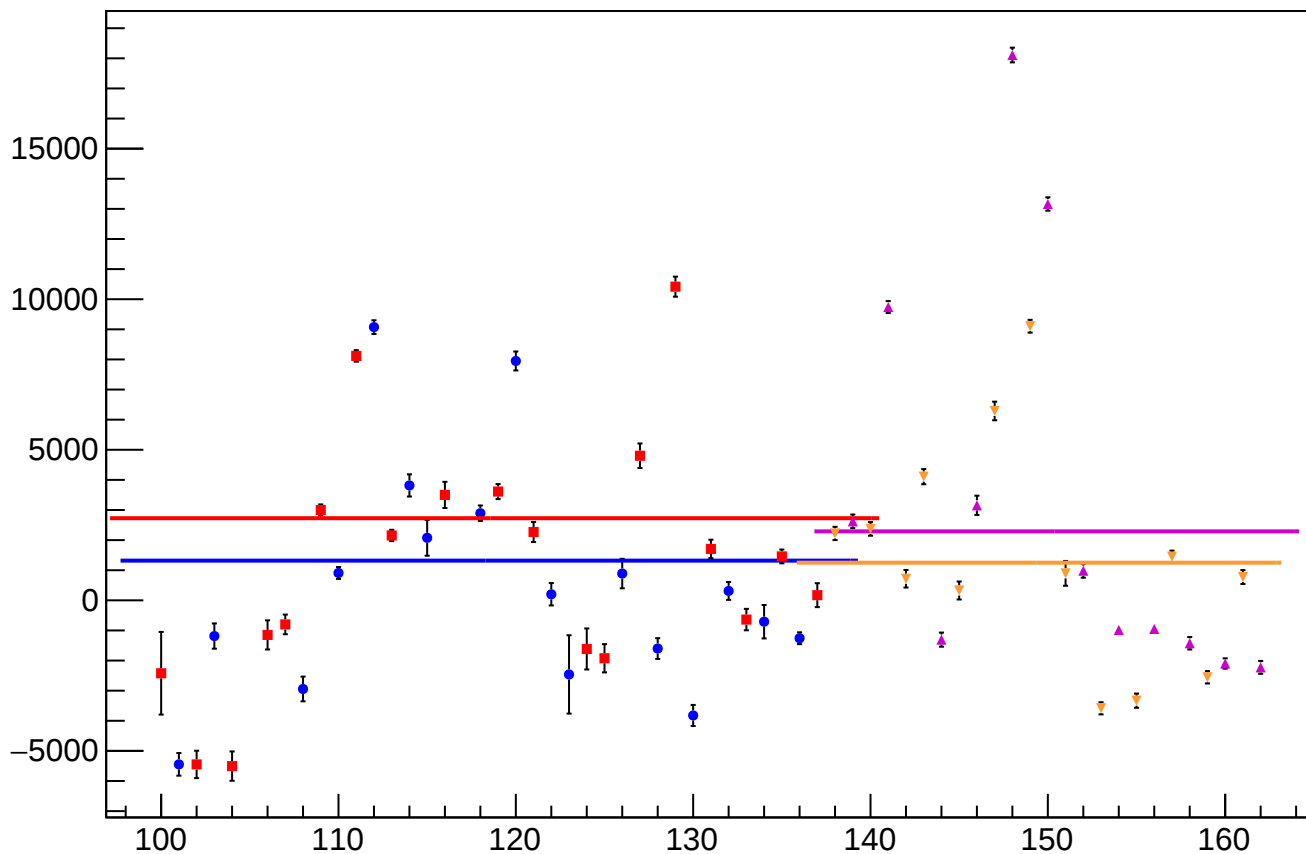
Left In: 169.375+/-0.040 χ^2/NDF : 675357.8/11

+ sign 185.523+/-0.034 χ^2/NDF : 1381883.4/29

All: 175.951+/-0.023 χ^2/NDF : 3137345.9/60

- sign 168.101+/-0.030 χ^2/NDF : 1607251.1/30

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1250.896+/-66.362 χ^2/NDF : 3103.5/12

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

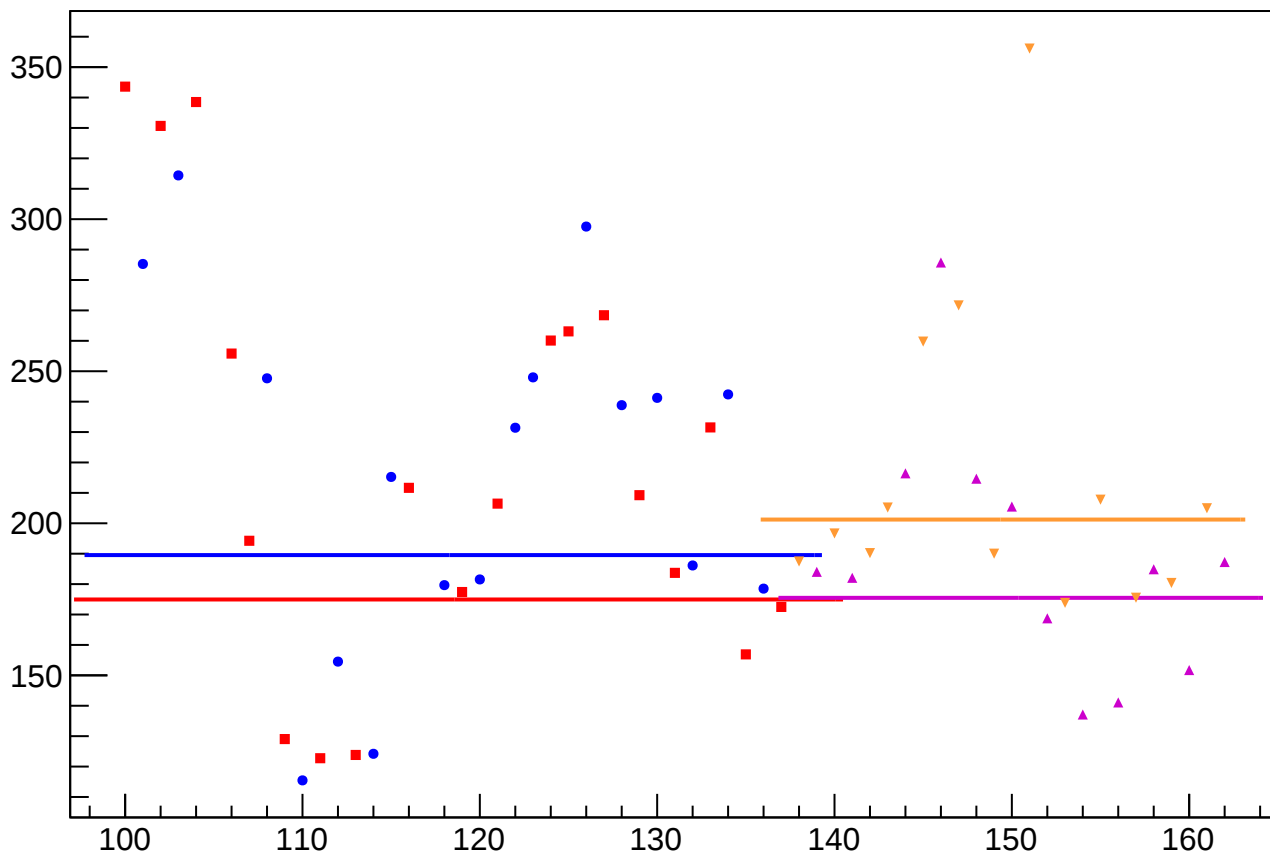
Left In: 2290.621+/-58.822 χ^2/NDF : 10568.5/11

+ sign 1279.863+/-50.309 χ^2/NDF : 5771.0/29

All: 1941.304+/-33.557 χ^2/NDF : 19169.7/60

- sign 2471.468+/-45.041 χ^2/NDF : 13087.3/30

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 201.227 $\pm$ 0.047 χ^2 /NDF: 573454.3/12

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

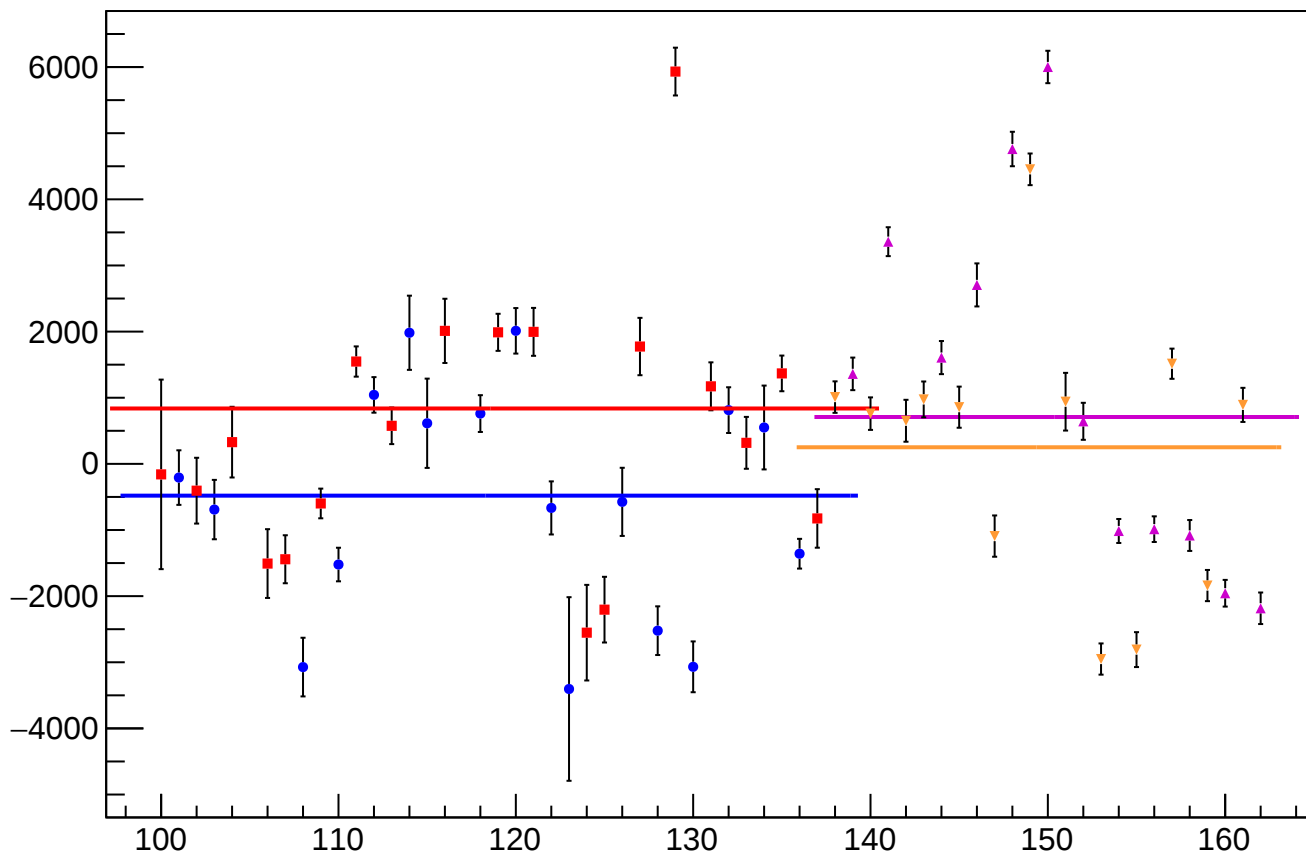
Left In: 175.486 $\pm$ 0.042 χ^2 /NDF: 660090.4/11

+ sign 196.259 $\pm$ 0.036 χ^2 /NDF: 1580560.0/29

All: 184.604 $\pm$ 0.024 χ^2 /NDF: 3731215.4/60

- sign 175.261 $\pm$ 0.032 χ^2 /NDF: 1957267.2/30

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 250.995 ± 73.401 χ^2/NDF : 790.3/12

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

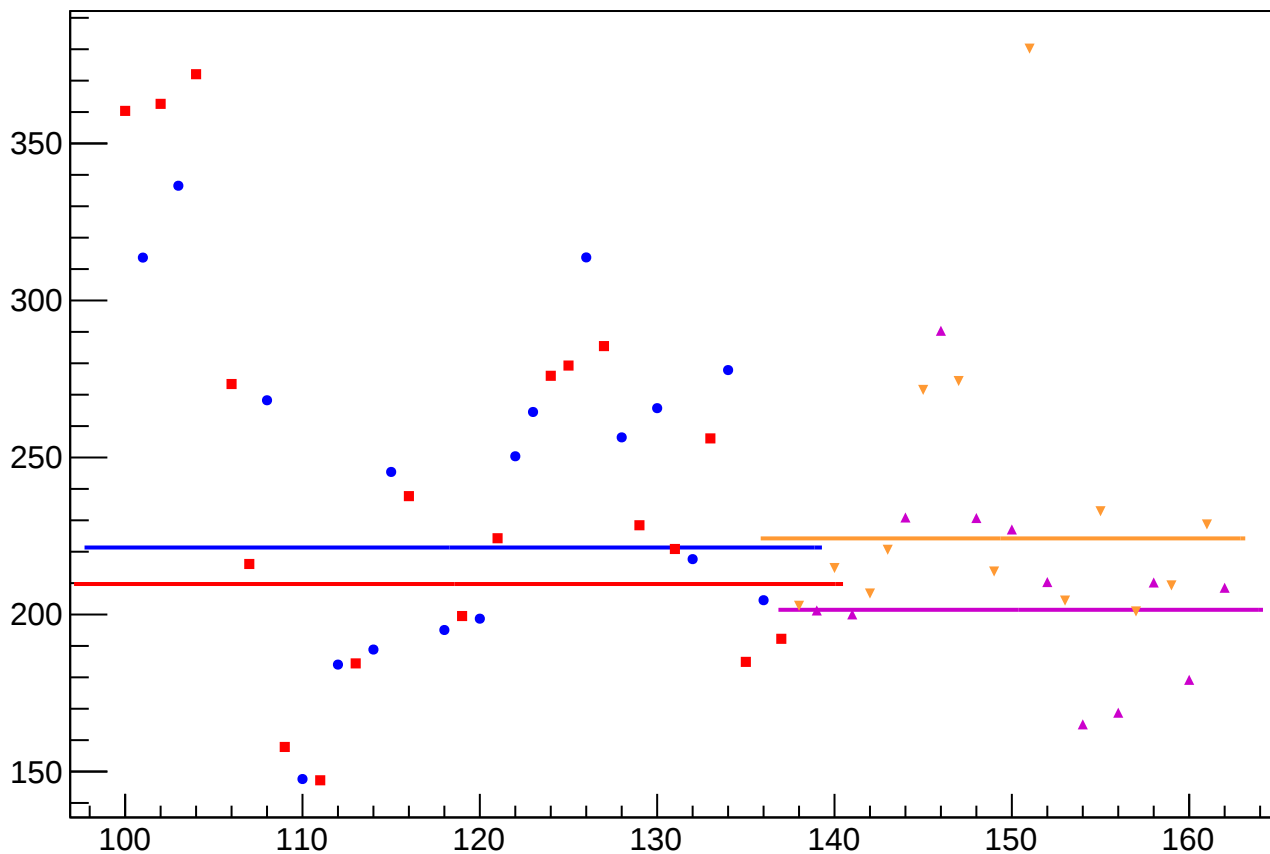
Left In: 708.645 ± 66.748 χ^2/NDF : 1460.5/11

+ sign -46.594 ± 56.534 χ^2/NDF : 1121.4/29

All: 391.561 ± 38.203 χ^2/NDF : 3129.3/60

- sign 759.792 ± 51.827 χ^2/NDF : 1897.3/30

asym_bpm0i07WS_rms vs Slug



Right In: 221.342+/-0.063 χ^2/NDF : 645688.1/16

Left Out: 224.239+/-0.052 χ^2/NDF : 428532.6/12

Right Out: 209.717+/-0.058 χ^2/NDF : 883917.7/18

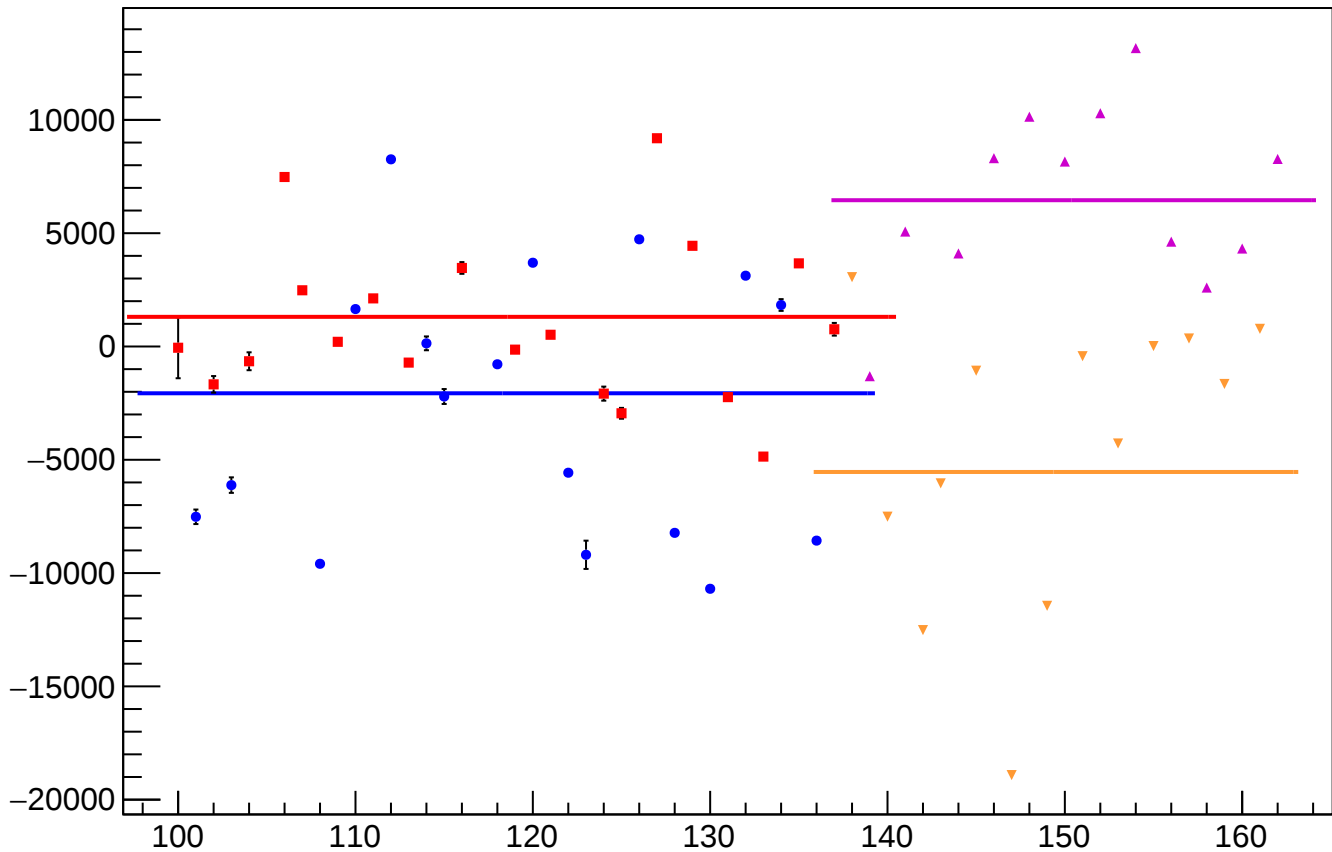
Left In: 201.505+/-0.047 χ^2/NDF : 392594.3/11

+ sign 223.061+/-0.040 χ^2/NDF : 1075487.9/29

All: 213.120+/-0.027 χ^2/NDF : 2477822.0/60

- sign 204.766+/-0.037 χ^2/NDF : 1288532.8/30

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -5537.962 ± 39.110 χ^2/NDF : 28139.2/12

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

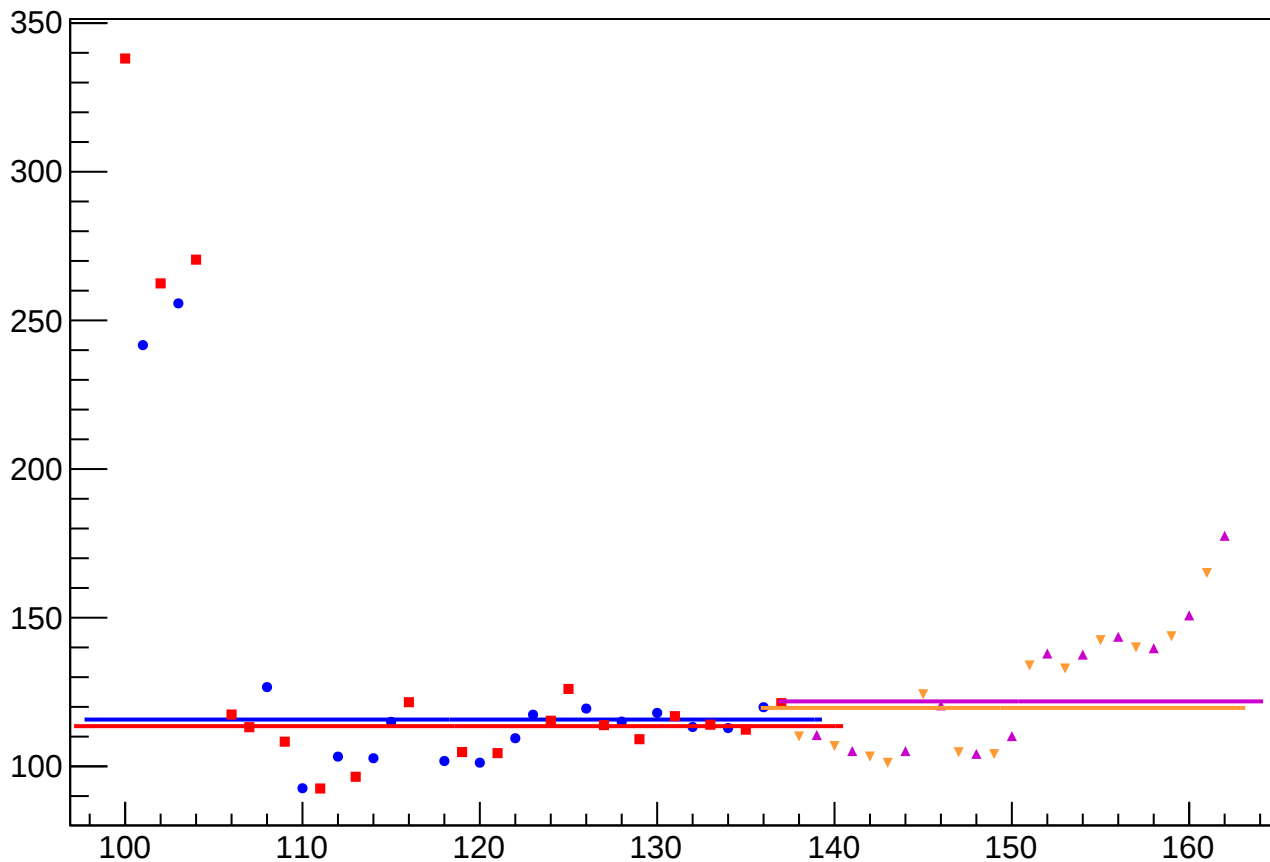
Left In: 6455.789 ± 39.960 χ^2/NDF : 8747.7/11

+ sign -4128.546 ± 30.147 χ^2/NDF : 47872.3/29

All: 65.963 ± 21.222 χ^2/NDF : 108205.4/60

- sign 4186.490 ± 29.880 χ^2/NDF : 21957.2/30

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 119.657 ± 0.028 χ^2/NDF : 436390.0/12

Right Out: 113.519 ± 0.032 χ^2/NDF : 796640.6/18

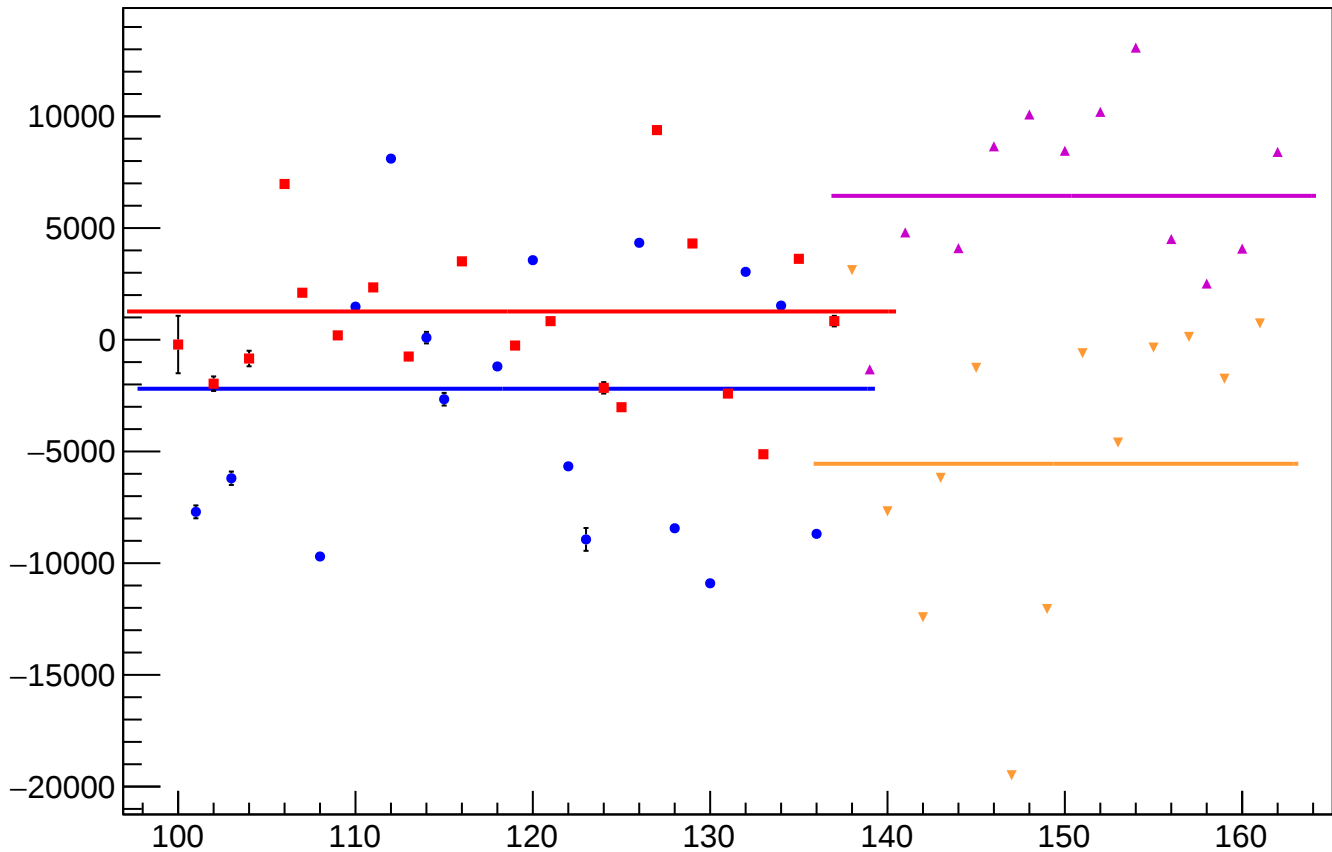
Left In: 121.851 ± 0.028 χ^2/NDF : 476586.7/11

+ sign 118.068 ± 0.021 χ^2/NDF : 1188547.6/29

All: 118.123 ± 0.015 χ^2/NDF : 2500126.7/60

- sign 118.178 ± 0.021 χ^2/NDF : 1311565.6/30

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -5550.625 ± 35.390 χ^2/NDF : 34199.5/12

Right Out: 1266.189 ± 38.048 χ^2/NDF : 8550.5/18

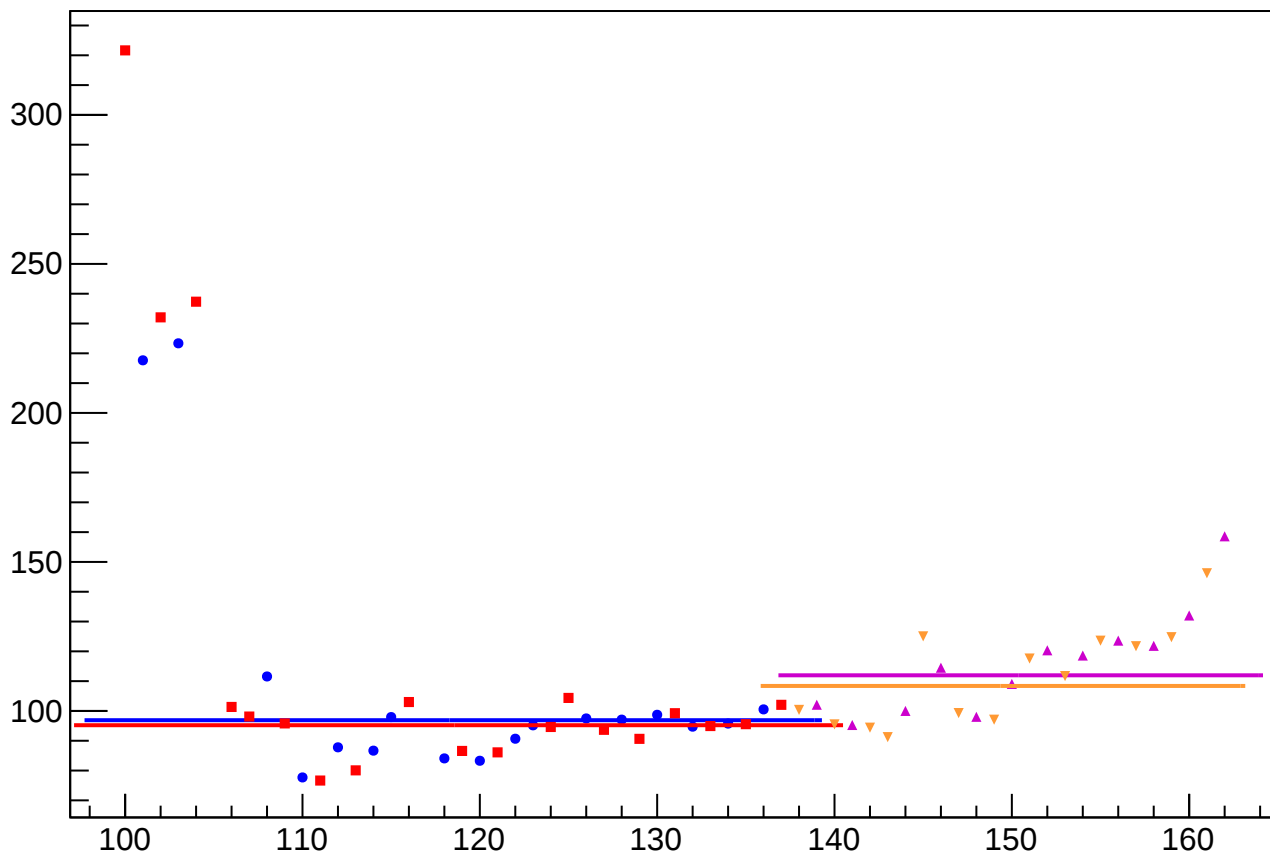
Left In: 6442.066 ± 36.610 χ^2/NDF : 10919.7/11

+ sign -4073.732 ± 26.489 χ^2/NDF : 60973.1/29

All: -43.577 ± 18.692 χ^2/NDF : 136159.8/60

- sign 3953.778 ± 26.381 χ^2/NDF : 29079.2/30

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 108.391+/-0.025 χ^2/NDF : 347273.1/12

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

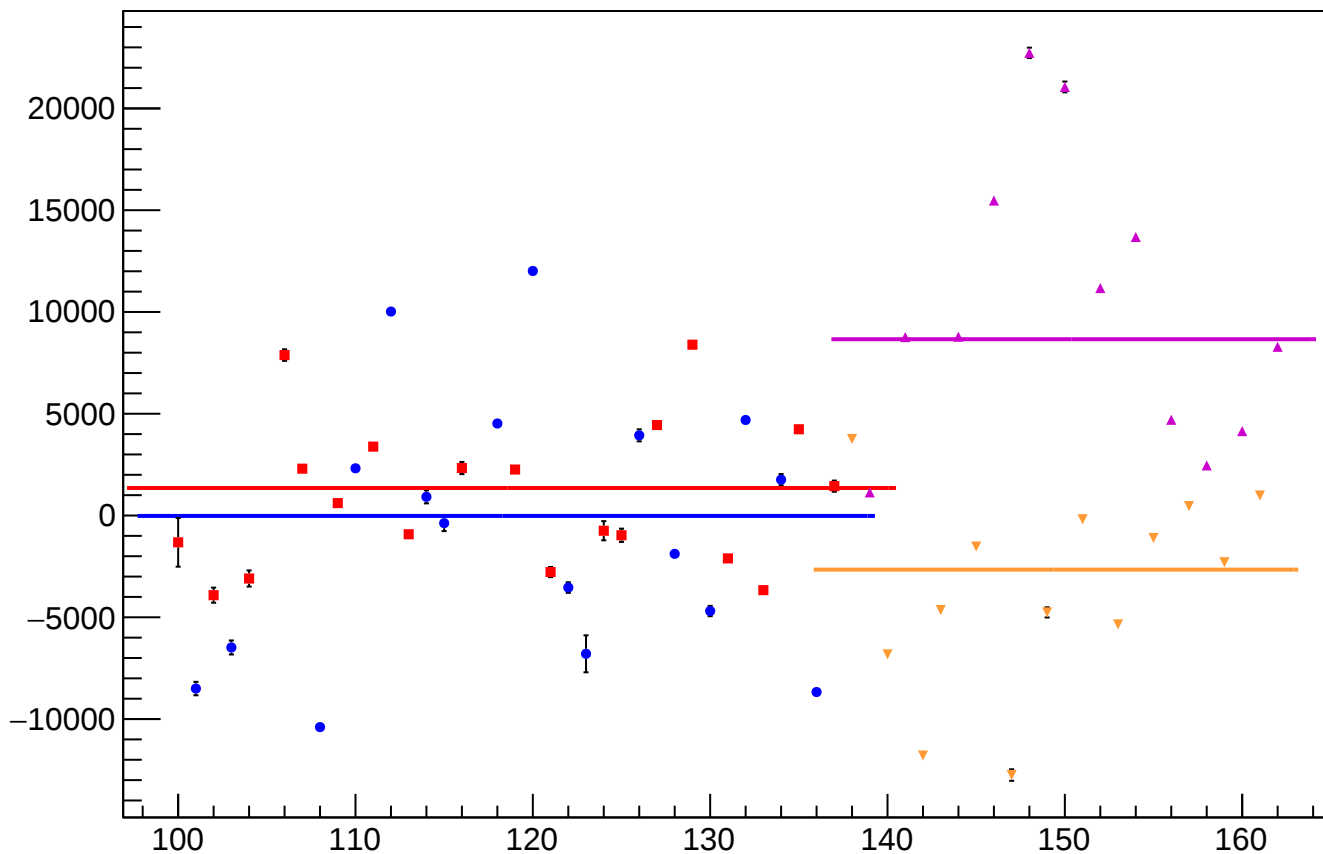
Left In: 111.961+/-0.026 χ^2/NDF : 325691.2/11

+ sign 103.335+/-0.019 χ^2/NDF : 1257324.6/29

All: 103.623+/-0.013 χ^2/NDF : 2644497.7/60

- sign 103.910+/-0.019 χ^2/NDF : 1386700.4/30

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -2658.788 ± 50.707 χ^2/NDF : 6619.7/12

Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

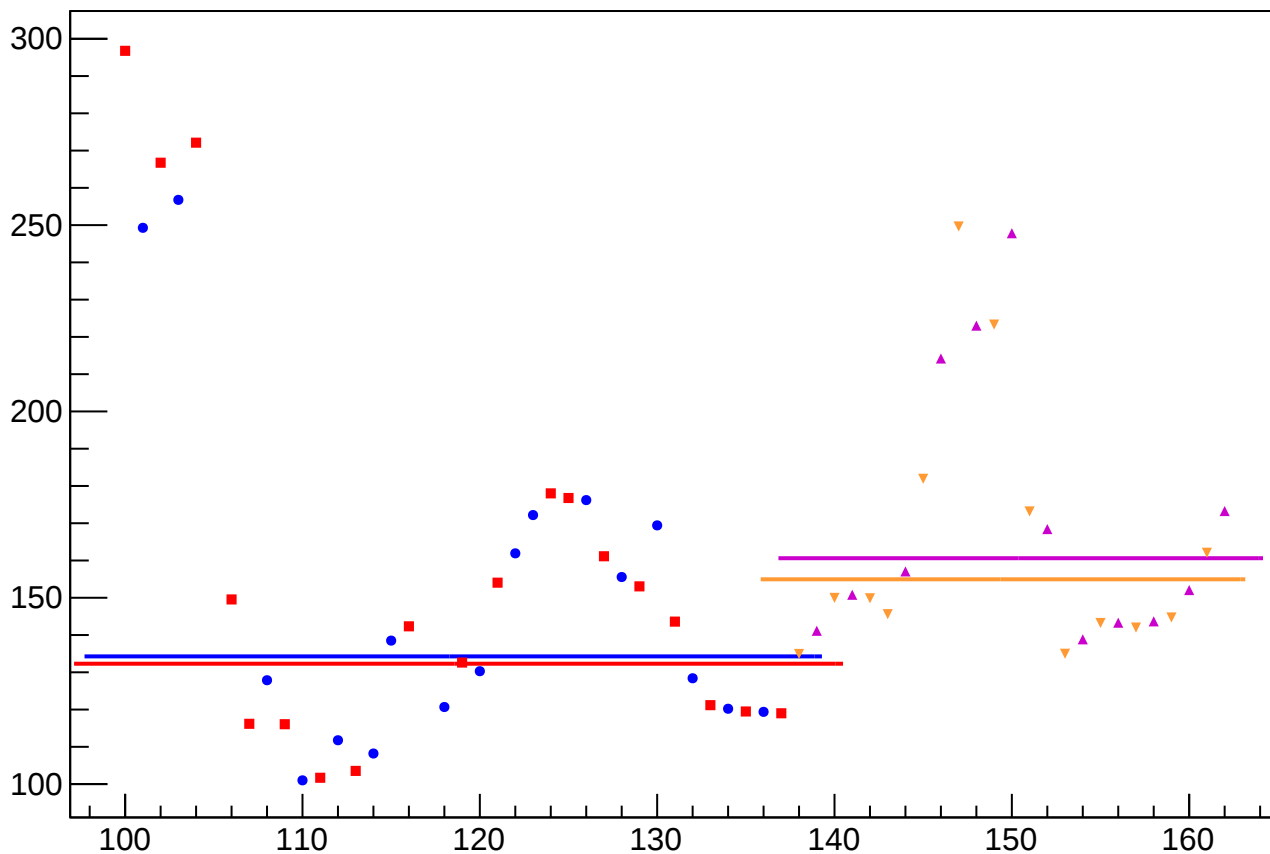
Left In: 8661.897 ± 52.886 χ^2/NDF : 11954.0/11

+ sign -1437.851 ± 37.169 χ^2/NDF : 24233.7/29

All: 1763.293 ± 26.297 χ^2/NDF : 64519.1/60

- sign 4971.651 ± 37.211 χ^2/NDF : 25434.1/30

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 154.955 $\pm$ 0.036 χ^2 /NDF: 532841.8/12

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

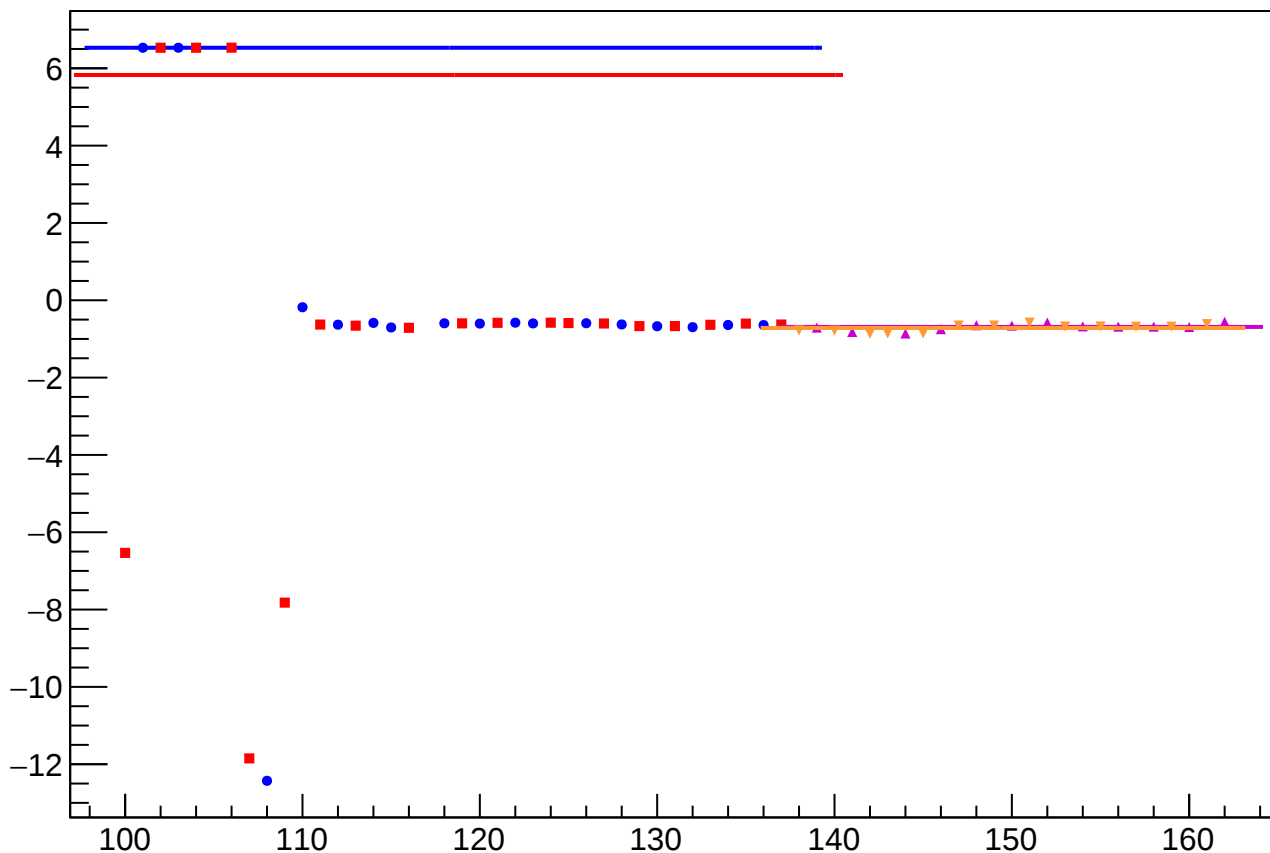
Left In: 160.612 $\pm$ 0.037 χ^2 /NDF: 570587.0/11

+ sign 145.383 $\pm$ 0.026 χ^2 /NDF: 1475512.0/29

All: 145.850 $\pm$ 0.019 χ^2 /NDF: 3206005.9/60

- sign 146.318 $\pm$ 0.026 χ^2 /NDF: 1729862.3/30

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.716 $\pm$ 0.000 χ^2/NDF : 83243006.1/12

Right Out: 5.827 $\pm$ 0.000 χ^2/NDF : 755948646460090.5/18

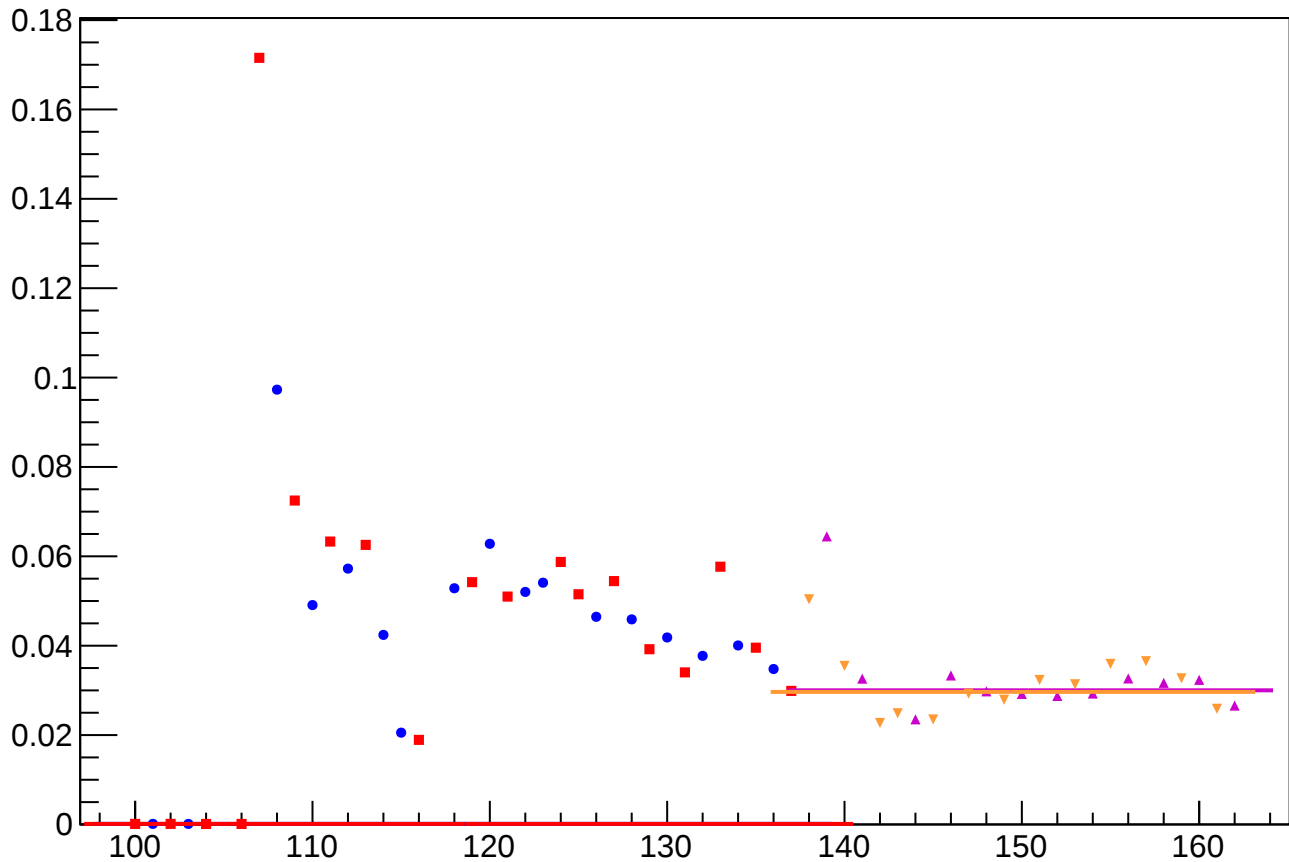
Left In: -0.689 $\pm$ 0.000 χ^2/NDF : 73304625.6/11

+ sign 6.531 $\pm$ 0.000 χ^2/NDF : 583424317412.9/29

All: 6.154 $\pm$ 0.000 χ^2/NDF : 7768913698201.1

- sign 5.827 $\pm$ 0.000 χ^2/NDF : 756313265414290.1

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.030+/-0.000 χ^2/NDF : 548336.8/12

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

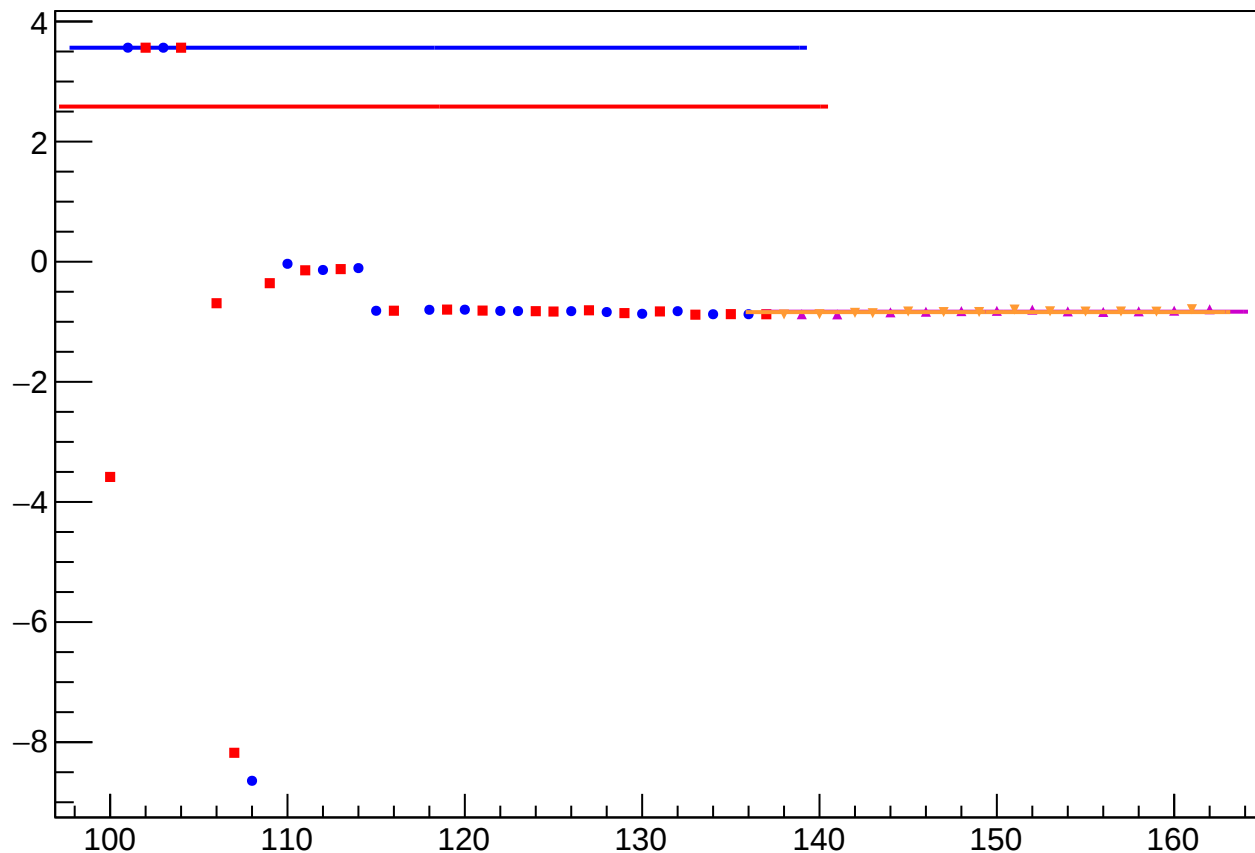
Left In: 0.030+/-0.000 χ^2/NDF : 536711.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 24702466.1/29

All: 0.000+/-0.000 χ^2/NDF : 49953436.1/60

- sign 0.000+/-0.000 χ^2/NDF : 25250580.7/30

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.839+/-0.000 χ^2/NDF : 64897758.4/12

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

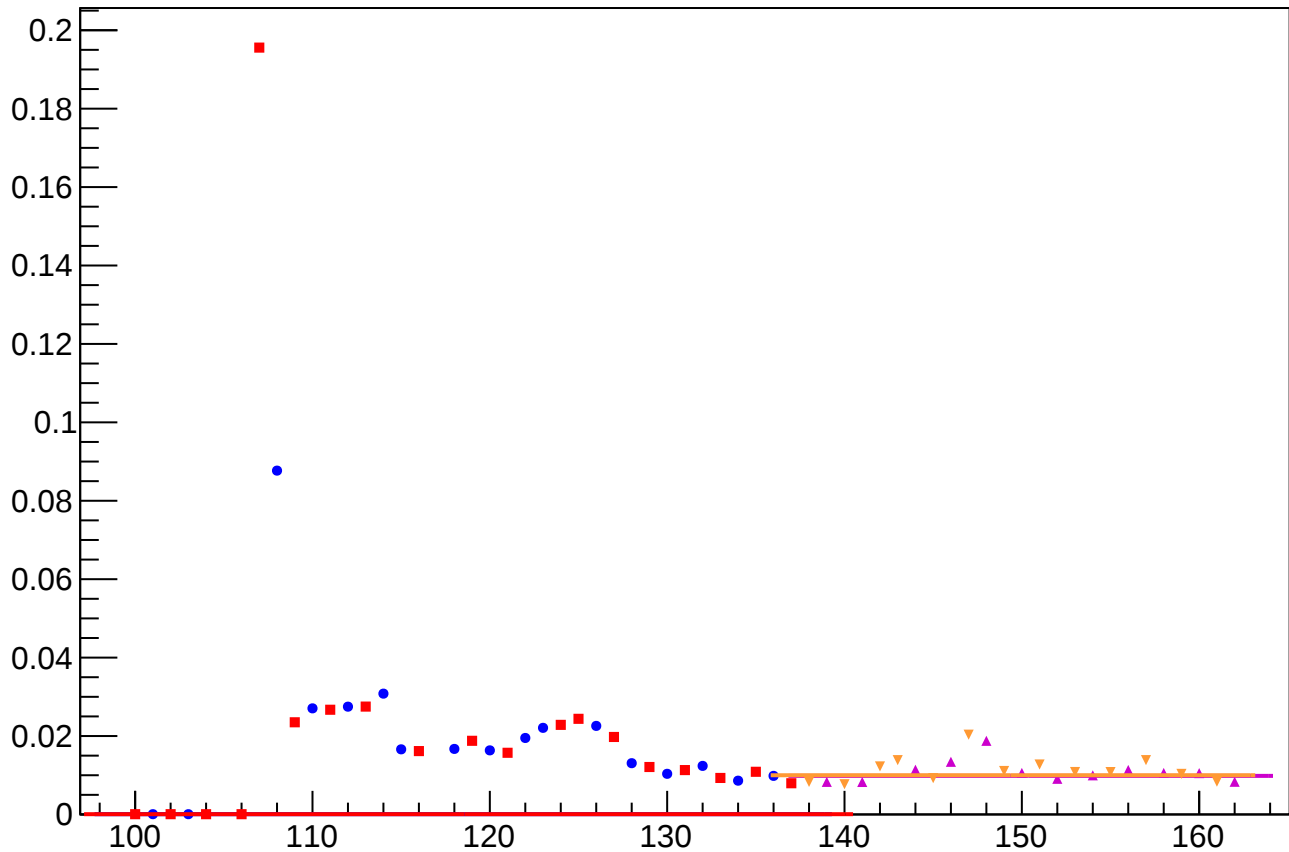
Left In: -0.832+/-0.000 χ^2/NDF : 71665330.7/11

+ sign 3.562+/-0.000 χ^2/NDF : 1907599703604.7/29

All: 3.039+/-0.000 χ^2/NDF : 13845217943382

- sign 2.582+/-0.000 χ^2/NDF : 1254404120311698.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 868018.3/12

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

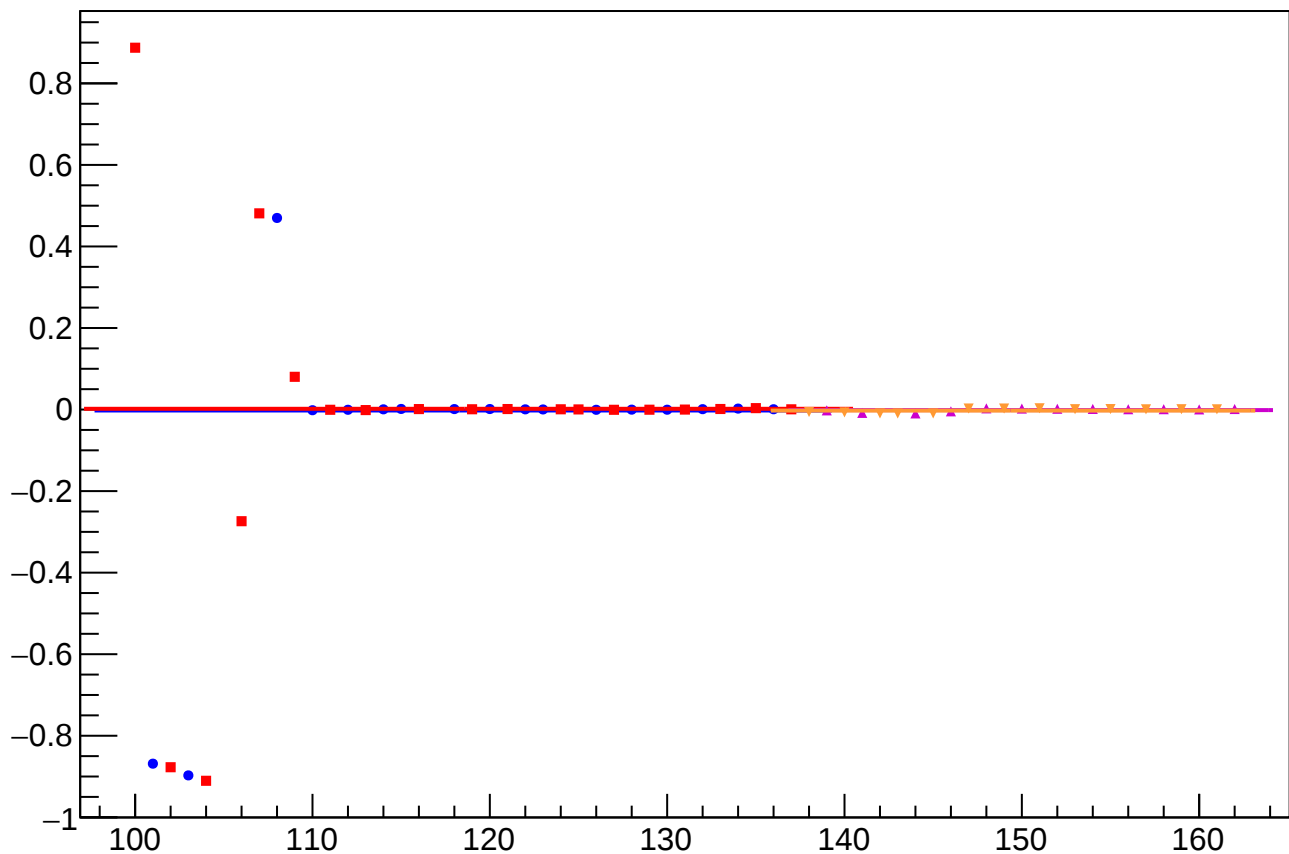
Left In: 0.010+/-0.000 χ^2/NDF : 612597.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 25172181.8/29

All: 0.000+/-0.000 χ^2/NDF : 50376756.6/60

- sign 0.000+/-0.000 χ^2/NDF : 25204118.6/30

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 : 81859088.3/12

Right Out: 0.002+/-0.000 χ^2/NDF : 3041331104.7/18

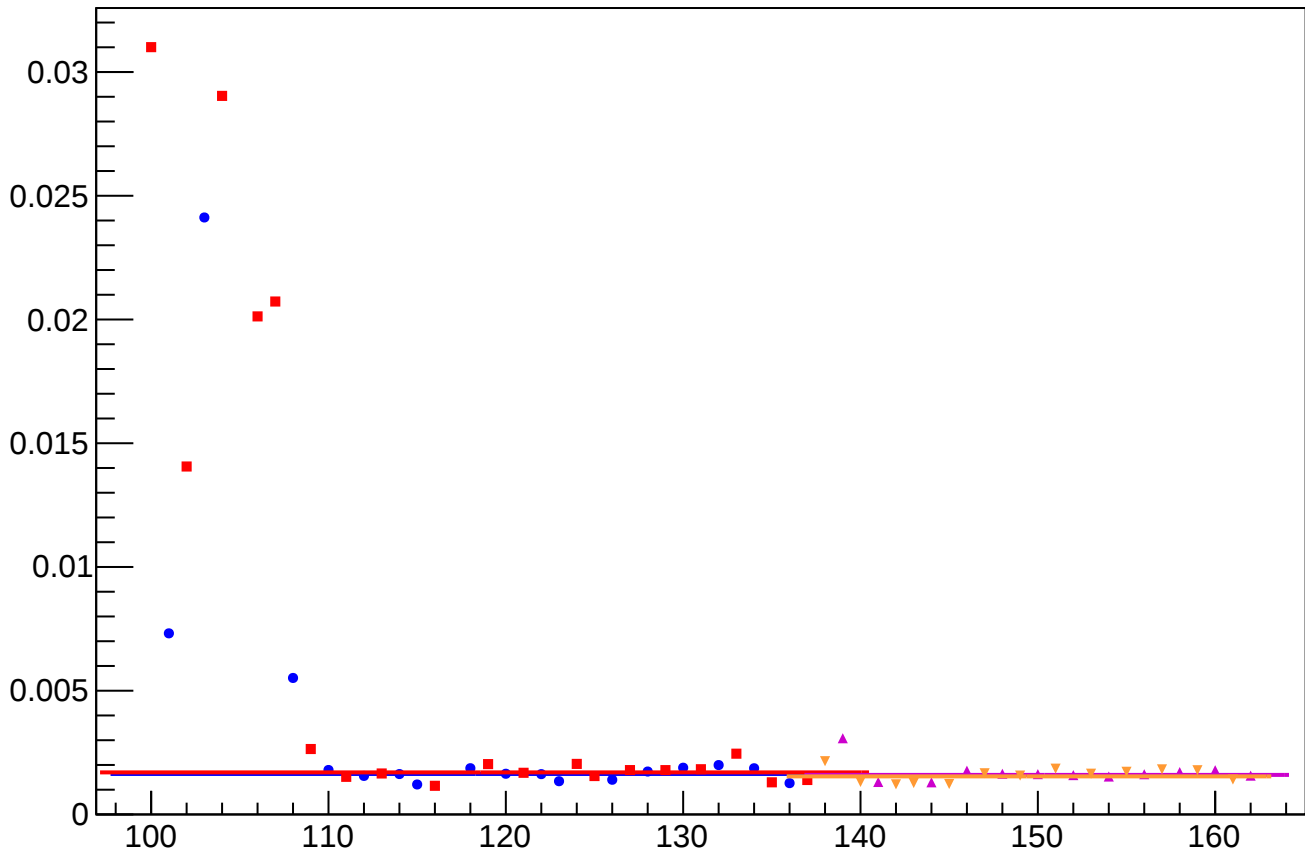
Left In: -0.001+/-0.000 χ^2/NDF : 60373962.1/11

+ sign -0.002+/-0.000 χ^2/NDF : 9877333480.7/29

All: -0.001+/-0.000 χ^2/NDF : 13000473402.8/30

- sign -0.000+/-0.000 χ^2/NDF : 3112167674.1/30

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: 414197.3/12

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

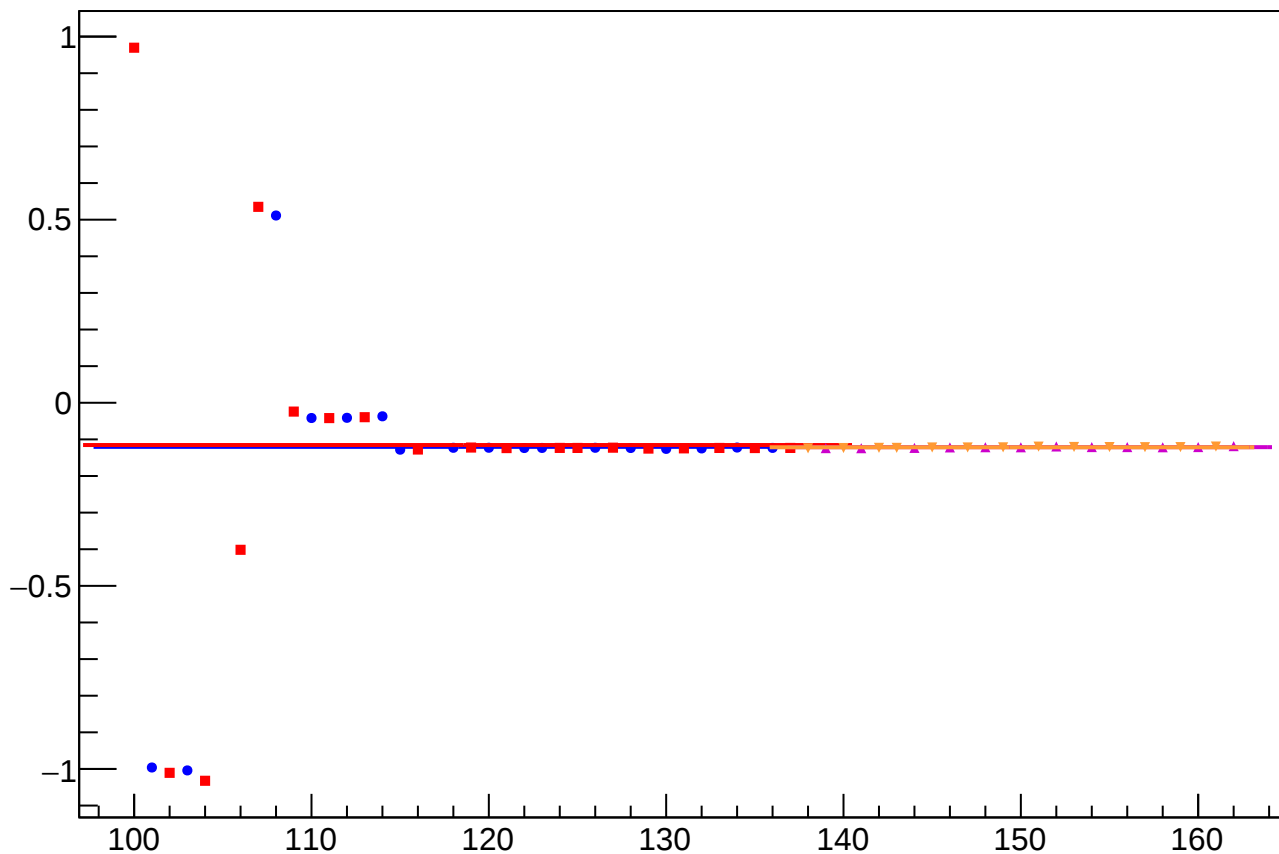
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 472259.7/11

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2354493.6/29

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5890292.3/60

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3518738.1/30

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.122+/-0.000 χ^2/NDF : 14173838.8/12

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

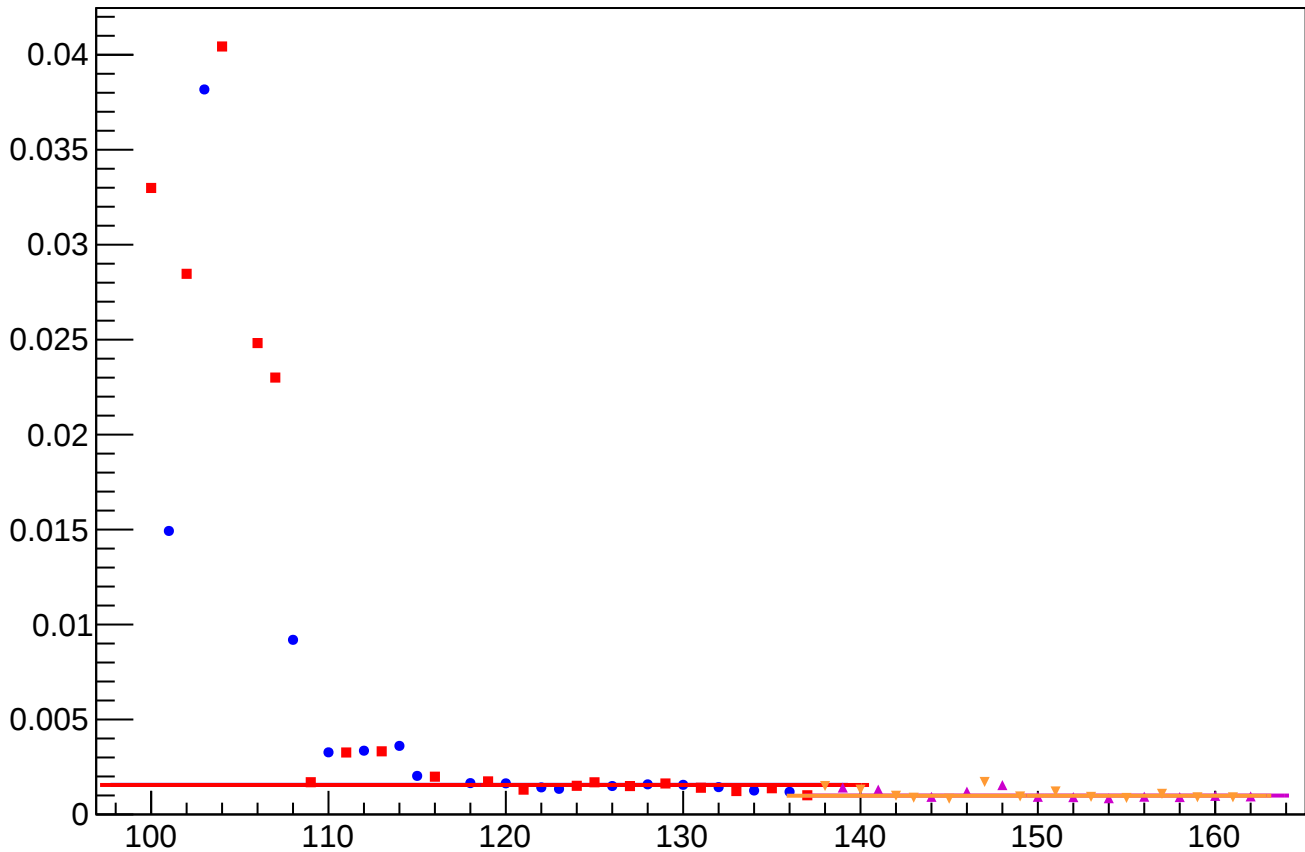
Left In: -0.121+/-0.000 χ^2/NDF : 19730487.6/11

+ sign -0.121+/-0.000 χ^2/NDF : 3948628031.5/29

All: -0.121+/-0.000 χ^2/NDF : 6484753500.5/6

- sign -0.120+/-0.000 χ^2/NDF : 2529569878.5/30

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:697830.9/12

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

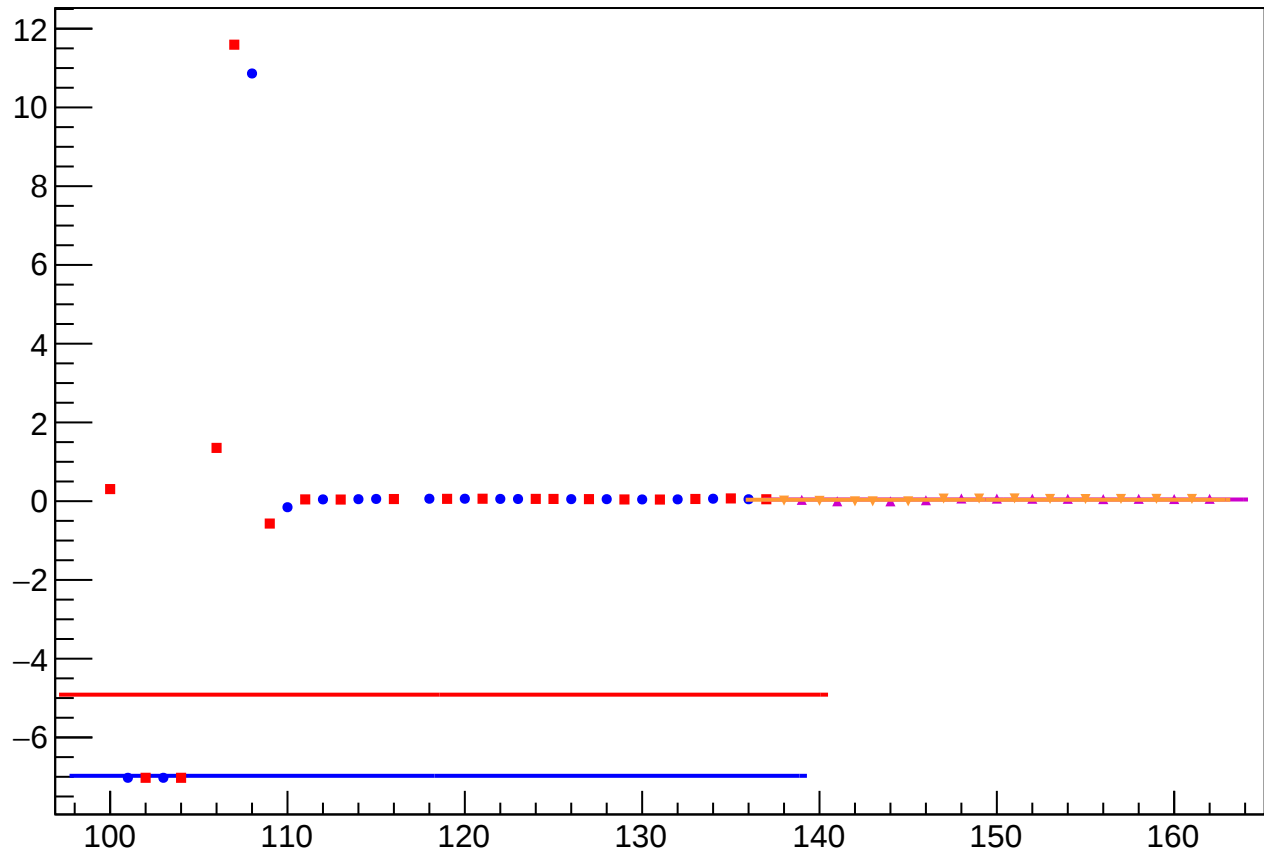
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:520539.0/11

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4630736.9/29

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 9664270.0/60

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5032982.7/30

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.036+/-0.000 χ^2/NDF : 82854358.1/12

Right Out: -4.914+/-0.000 χ^2/NDF : 365362215369689.4/18

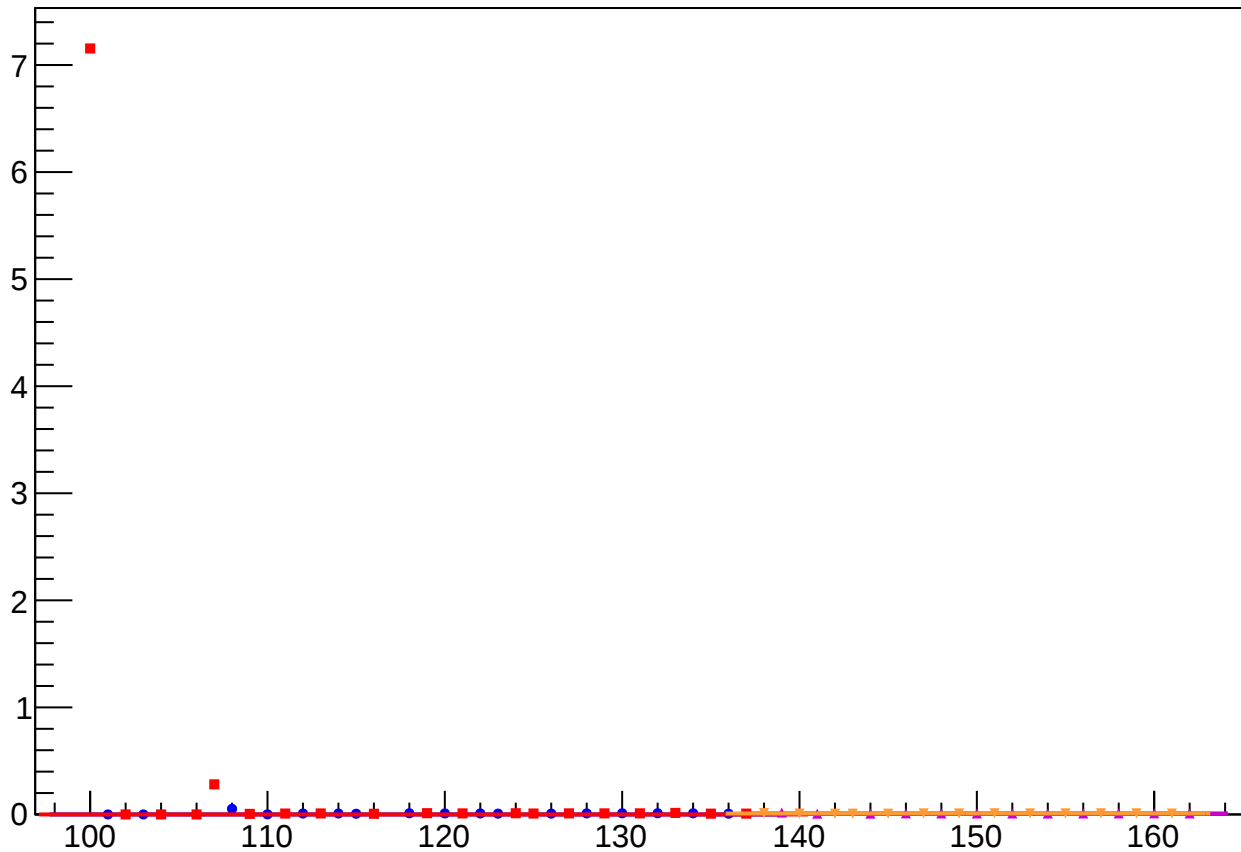
Left In: 0.043+/-0.000 χ^2/NDF : 66616405.9/11

+ sign -6.949+/-0.000 χ^2/NDF : 13308827586024.4/16

All: -5.880+/-0.000 χ^2/NDF : 4366705720070.4/16

- sign -4.898+/-0.000 χ^2/NDF : 367511615994158.2/16

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 : 408073.7/12

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

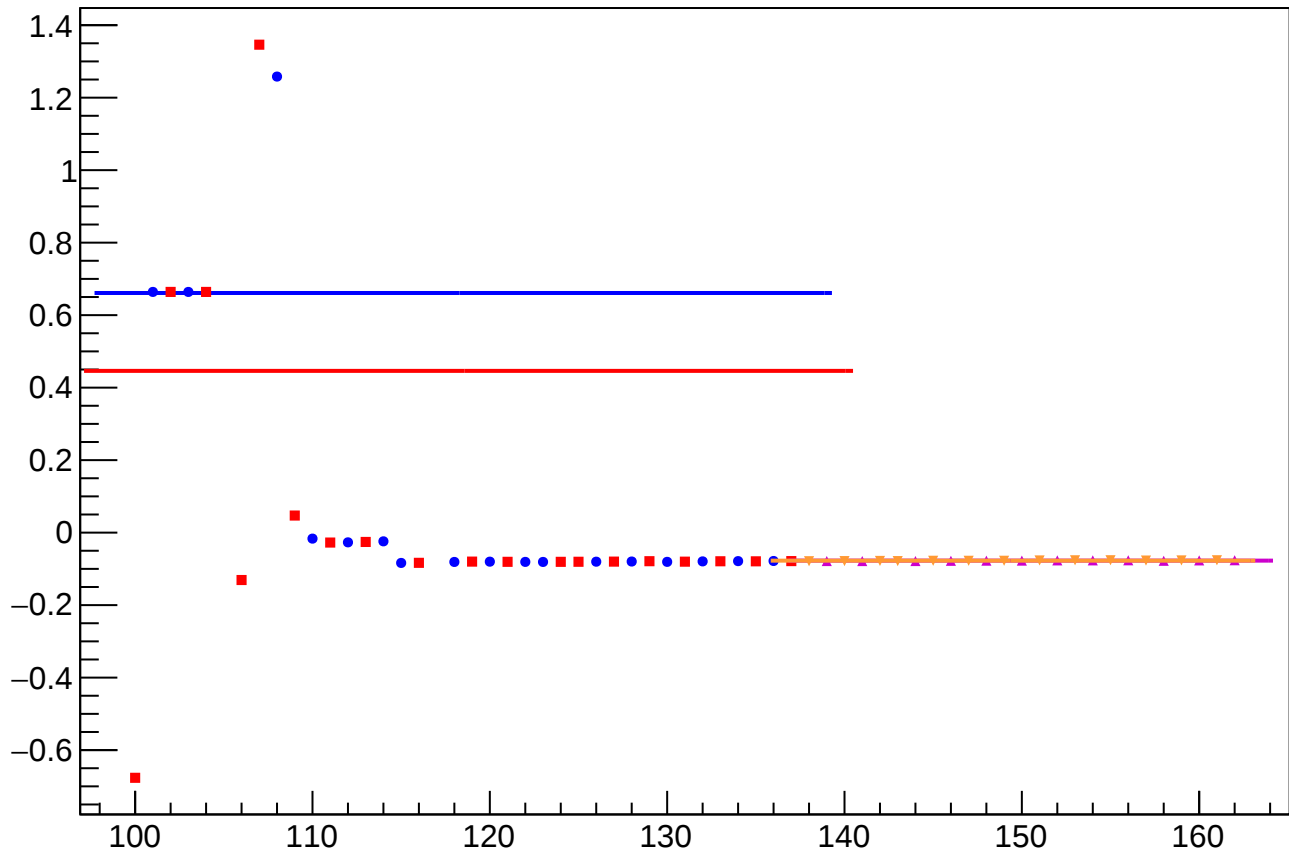
Left In: 0.009+/-0.000 χ^2/NDF : 476070.4/11

+ sign 0.000+/-0.000 χ^2/NDF : 23316152.2/29

All: 0.000+/-0.000 χ^2/NDF : 47459053.5/60

- sign 0.000+/-0.000 χ^2/NDF : 24141736.1/30

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5678332616622.1/16

Left Out: -0.077 $\pm$ 0.000 χ^2 /NDF: 23964148.7/12

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405428604683882.5/18

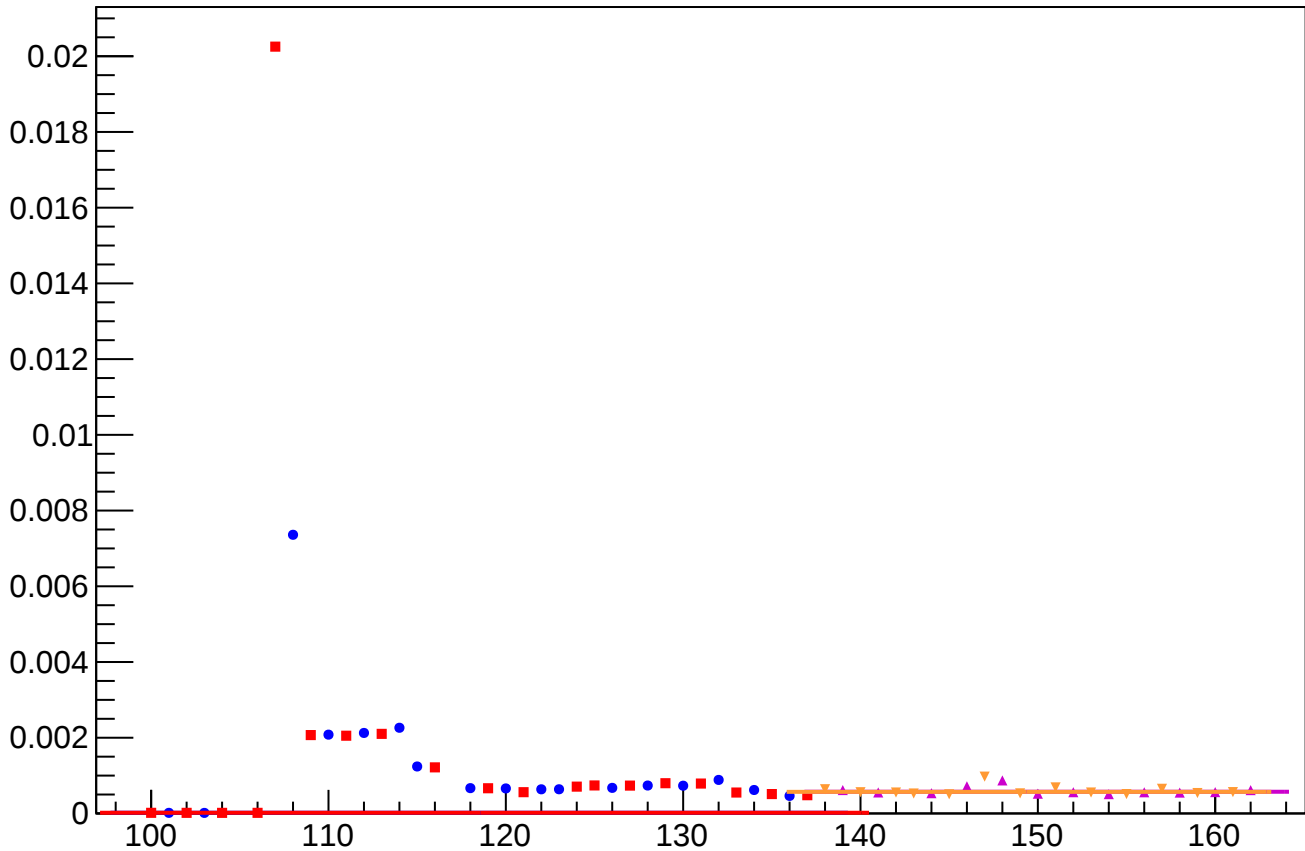
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 18664202.4/11

+ sign 0.653 $\pm$ 0.000 χ^2 /NDF: 20840356490445.8/2

All: 0.542 $\pm$ 0.000 χ^2 /NDF: 4958057422893

- sign 0.441 $\pm$ 0.000 χ^2 /NDF: 413041572685866.8/2

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 : 407002.5/12

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

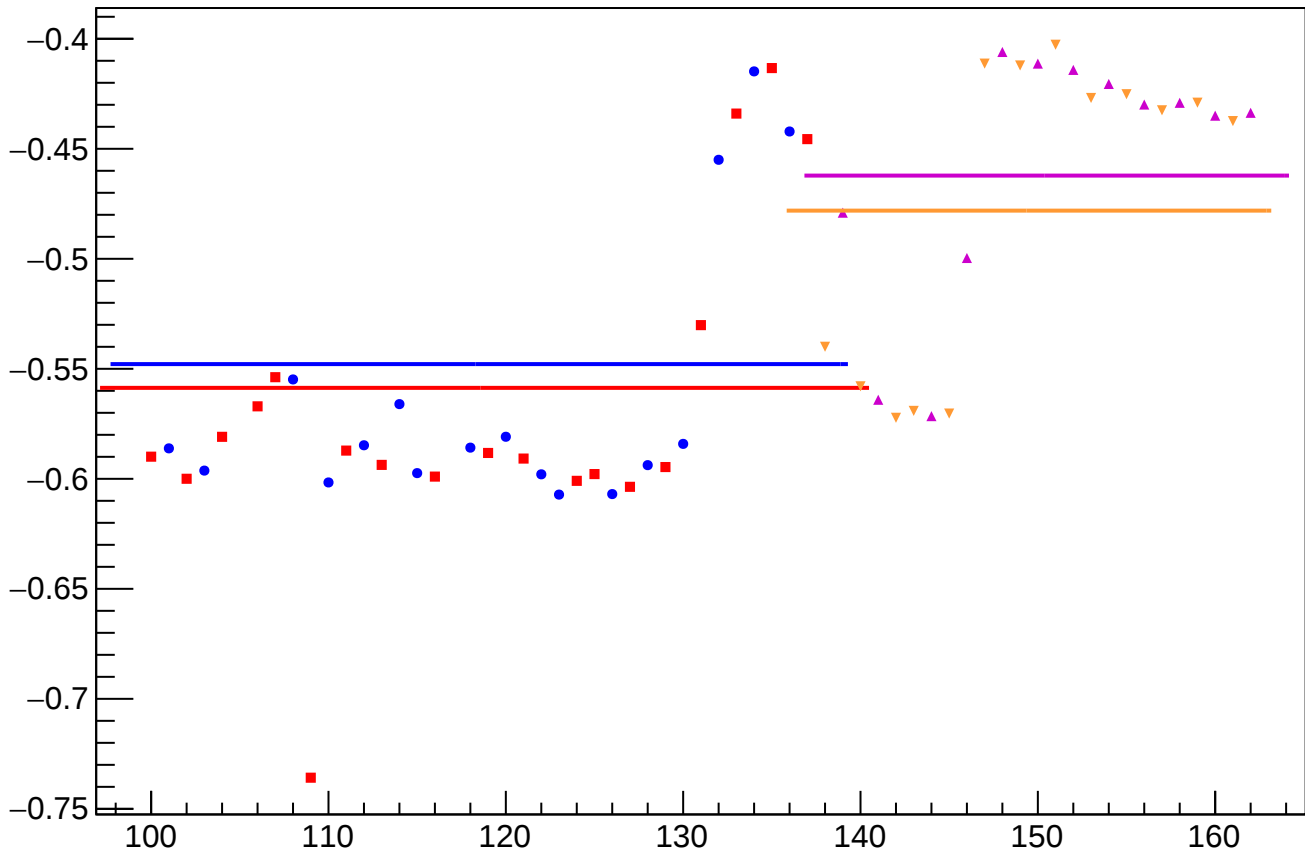
Left In: 0.001+/-0.000 χ^2/NDF : 311406.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 27360868.9/29

All: 0.000+/-0.000 χ^2/NDF : 54281067.9/60

- sign 0.000+/-0.000 χ^2/NDF : 26919311.2/30

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.478+/-0.000 χ^2/NDF : 91927769.6/12

Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

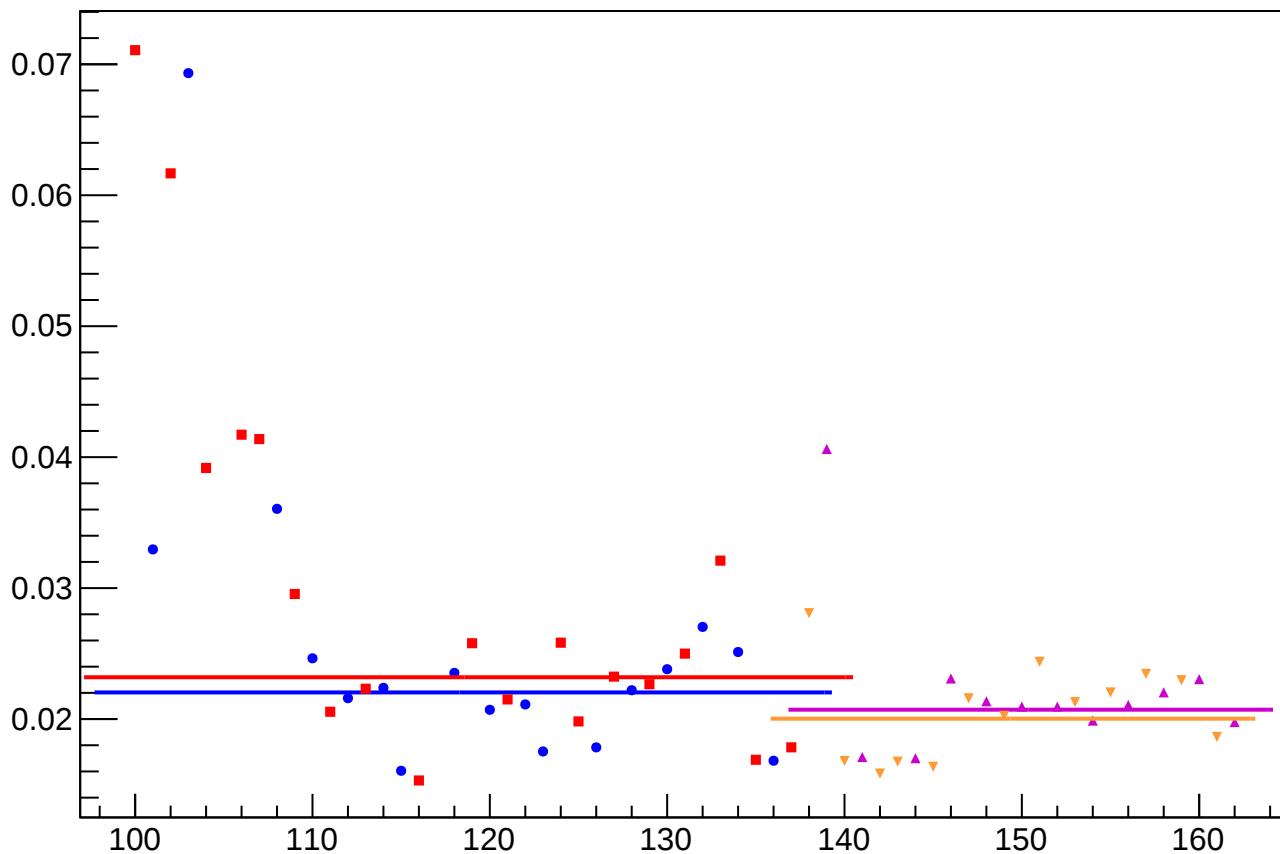
Left In: -0.462+/-0.000 χ^2/NDF : 68838669.0/11

+ sign -0.503+/-0.000 χ^2/NDF : 173364477.2/29

All: -0.500+/-0.000 χ^2/NDF : 368013847.3/60

- sign -0.496+/-0.000 χ^2/NDF : 194023340.8/30

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 958966.6/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 390050.5/12

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156989.7/18

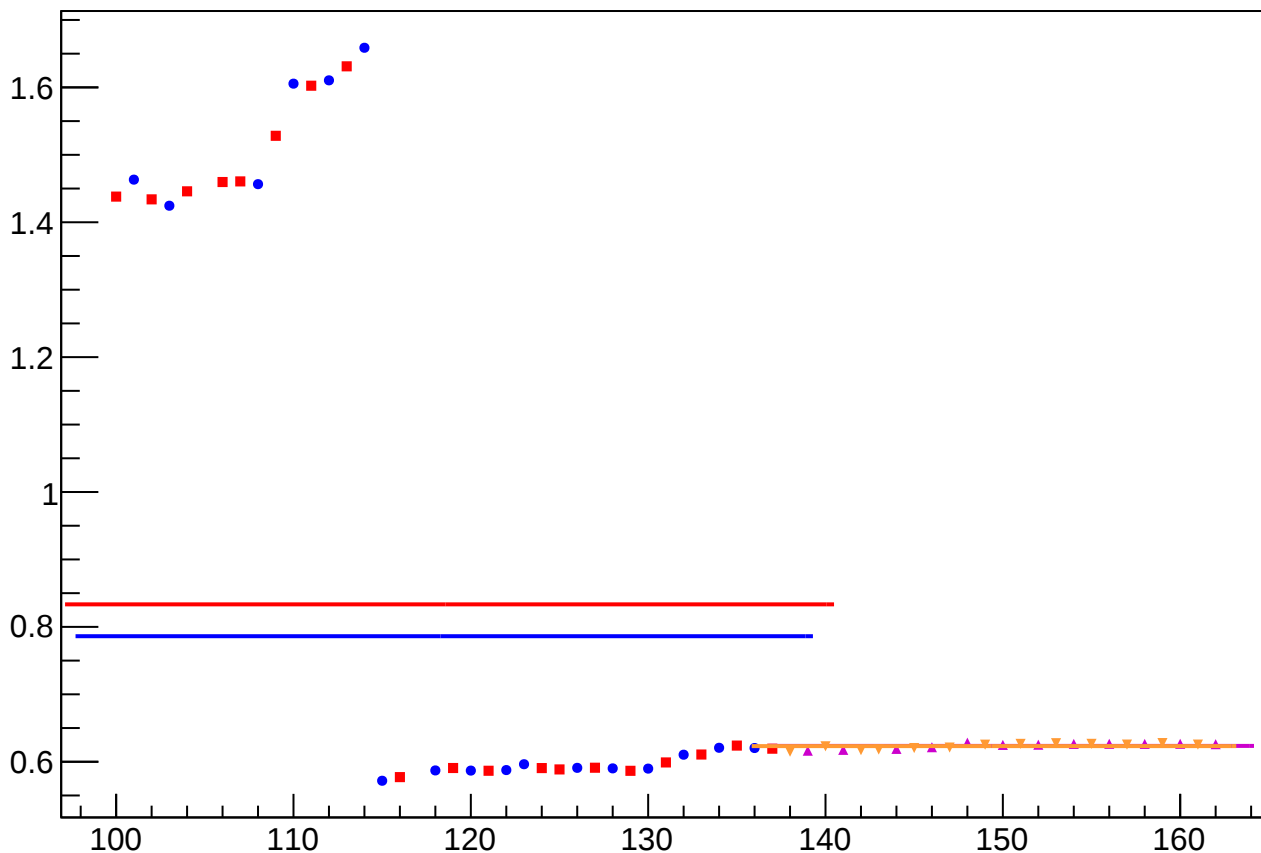
Left In: 0.021 $\pm$ 0.000 χ^2 /NDF: 475756.5/11

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1403257.4/29

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3135110.3/60

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 1711196.9/30

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.623 $\pm$ 0.000 χ^2/NDF : 986855.6/12

Right Out: 0.833 $\pm$ 0.000 χ^2/NDF : 4156812252.4/18

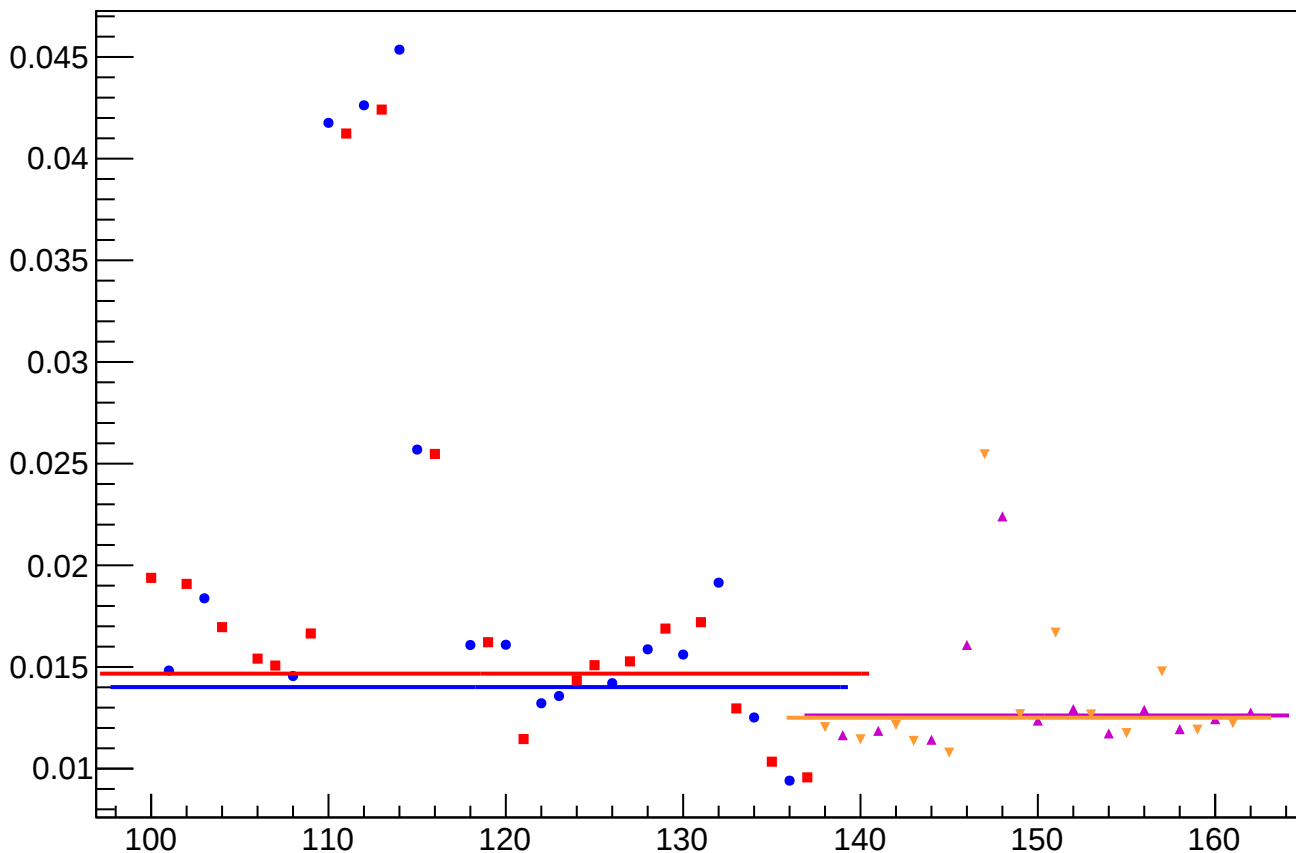
Left In: 0.624 $\pm$ 0.000 χ^2/NDF : 870416.8/11

+ sign 0.677 $\pm$ 0.000 χ^2/NDF : 4104927909.8/29

All: 0.684 $\pm$ 0.000 χ^2/NDF : 9102429192.0/60

- sign 0.692 $\pm$ 0.000 χ^2/NDF : 4988345569.4/30

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1404865.3/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:588310.1/12

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

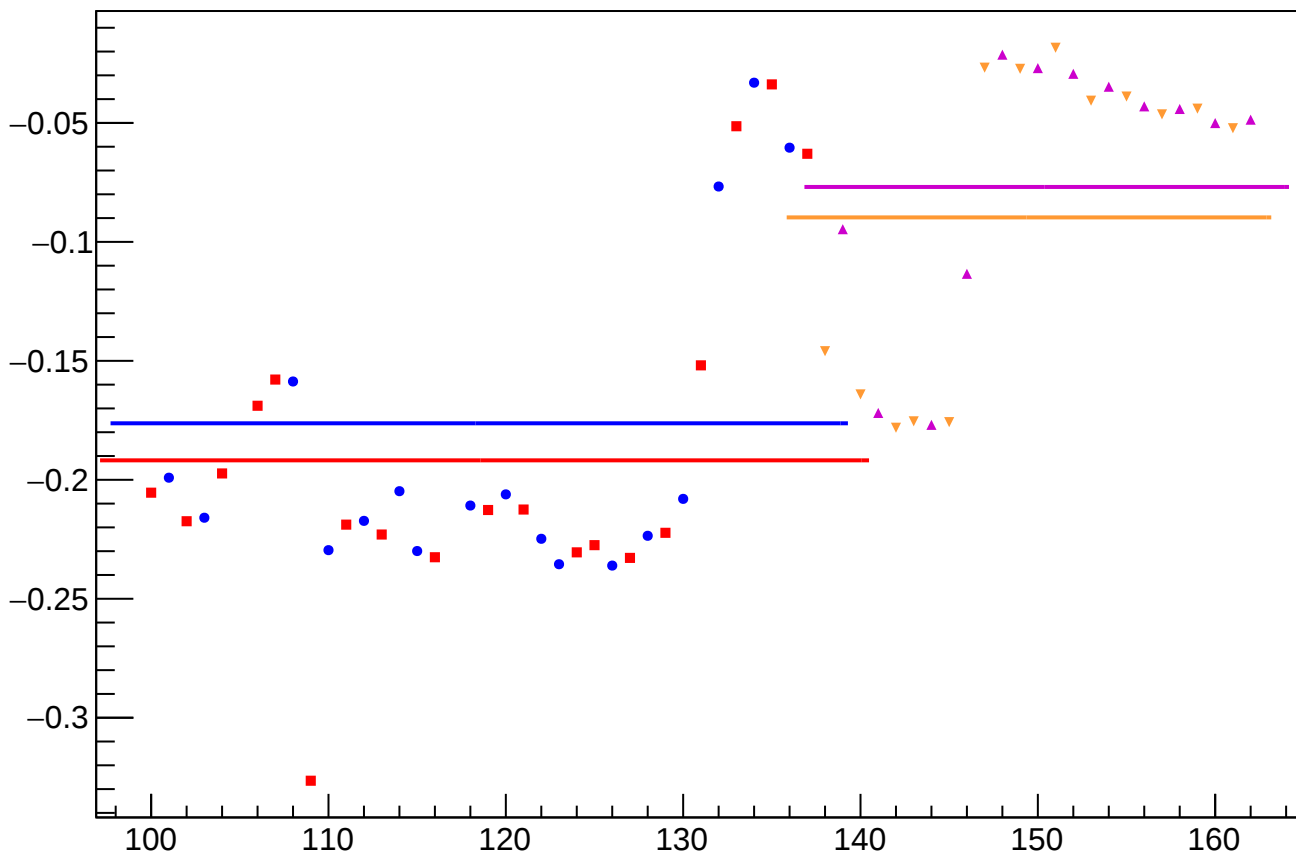
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:409246.9/11

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2081013.4/29

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3920181.6/60

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1832354.5/30

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.090+/-0.000 χ^2/NDF : 88594803.5/12

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

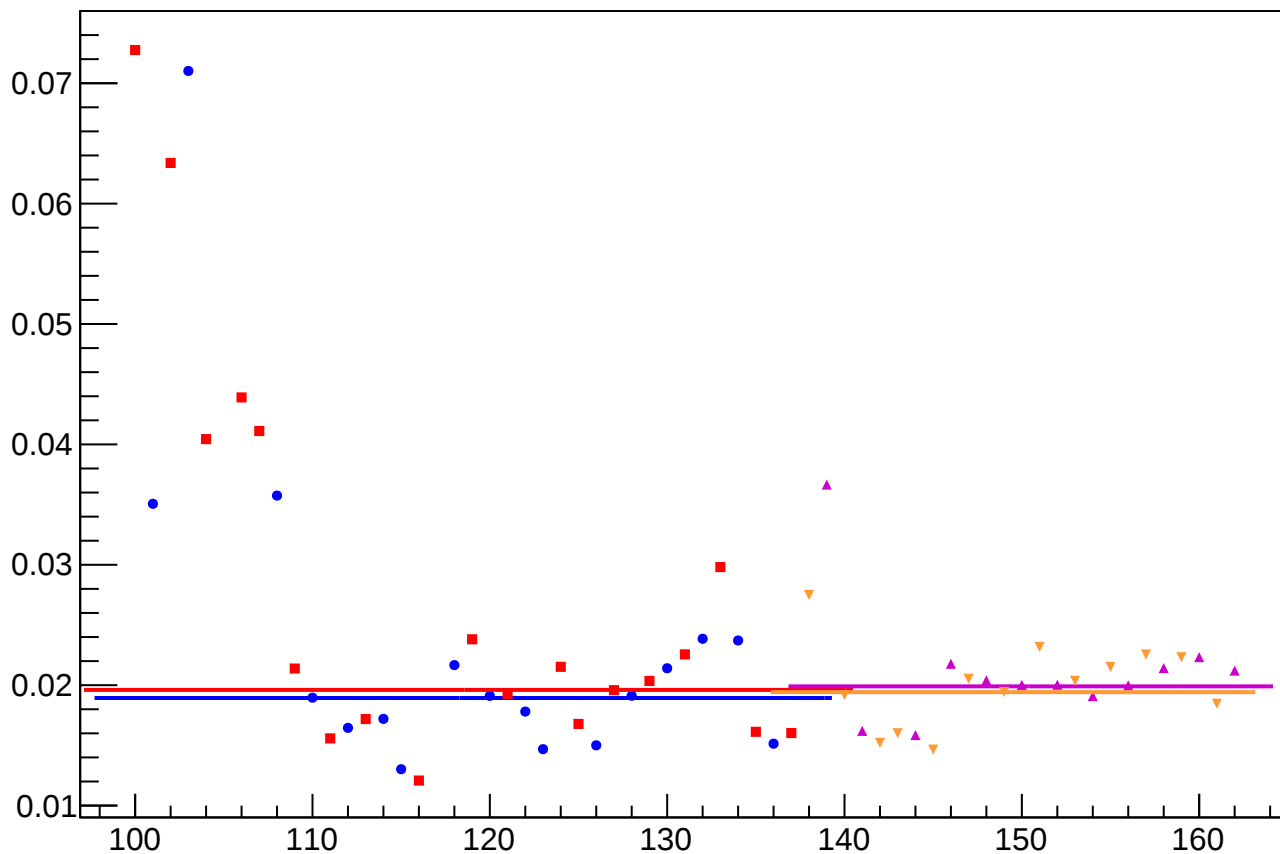
Left In: -0.077+/-0.000 χ^2/NDF : 69631760.3/11

+ sign -0.125+/-0.000 χ^2/NDF : 220758335.4/29

All: -0.124+/-0.000 χ^2/NDF : 479898460.9/60

- sign -0.124+/-0.000 χ^2/NDF : 259116006.0/30

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1205858.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 415978.7/12

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1457660.9/18

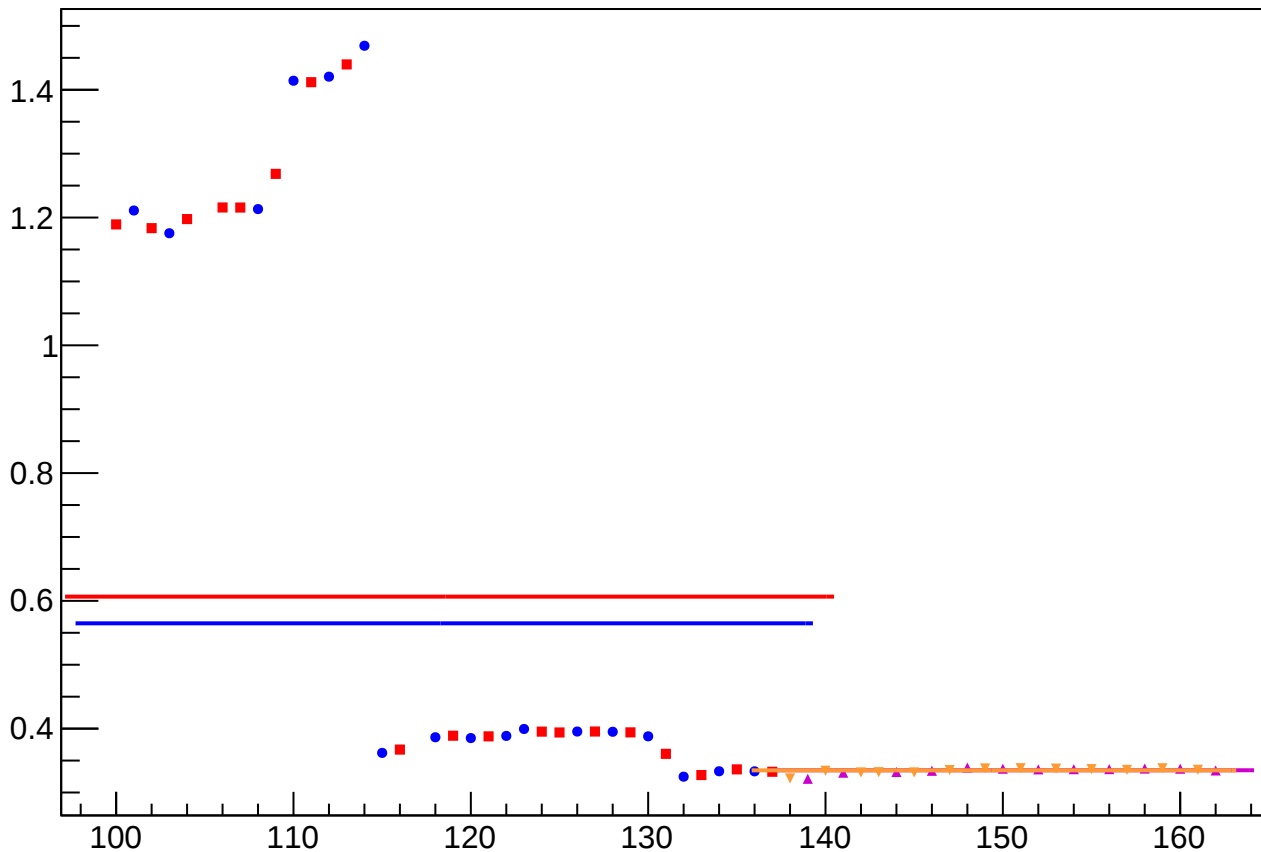
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 467304.0/11

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1625759.2/29

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3562648.6/60

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1926342.3/30

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.335+/-0.000 χ^2/NDF : 1065647.5/12

Right Out: 0.607+/-0.000 χ^2/NDF : 5513752213.8/18

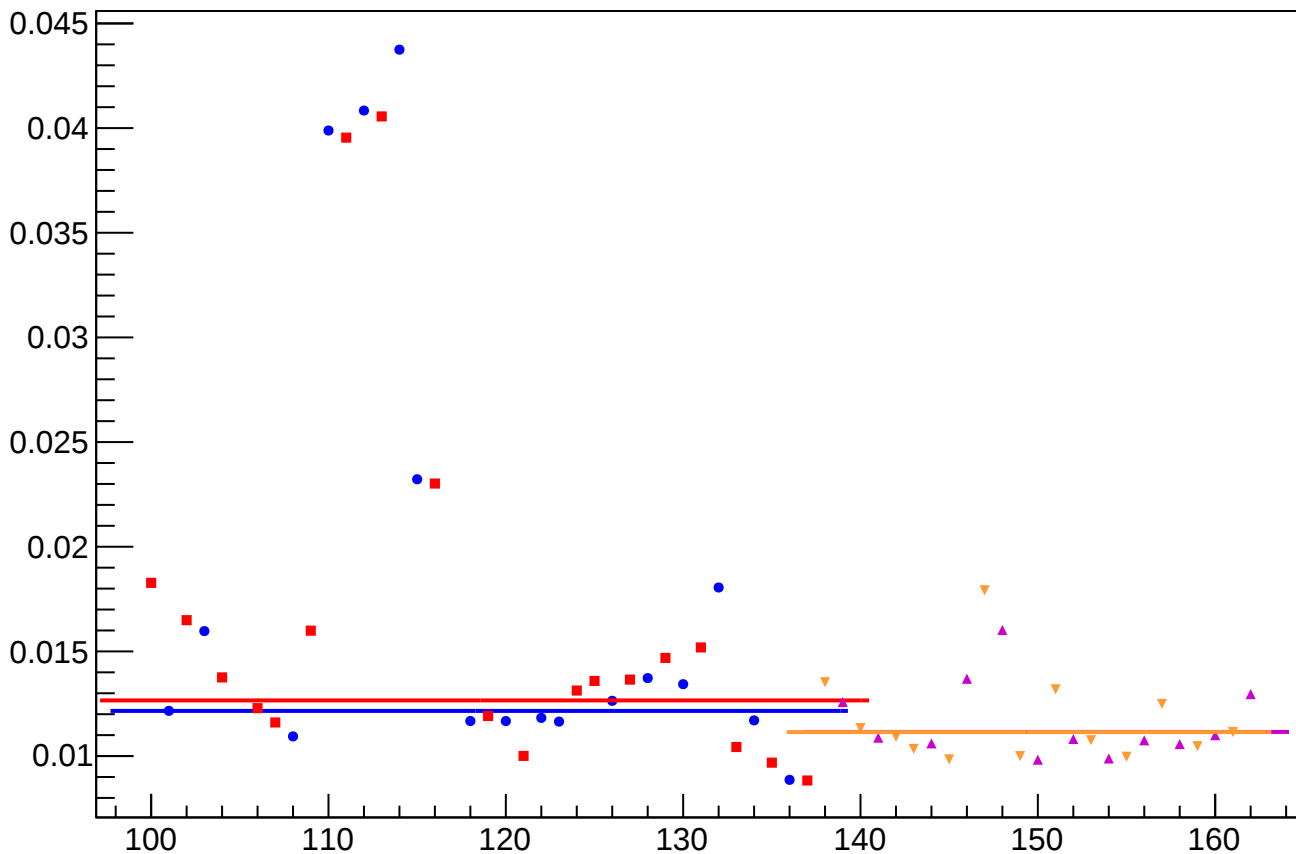
Left In: 0.335+/-0.000 χ^2/NDF : 1153883.5/11

+ sign 0.413+/-0.000 χ^2/NDF : 6367782234.9/29

All: 0.419+/-0.000 χ^2/NDF : 13706078345.5/6

- sign 0.425+/-0.000 χ^2/NDF : 7330870780.9/30

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:394865.2/12

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

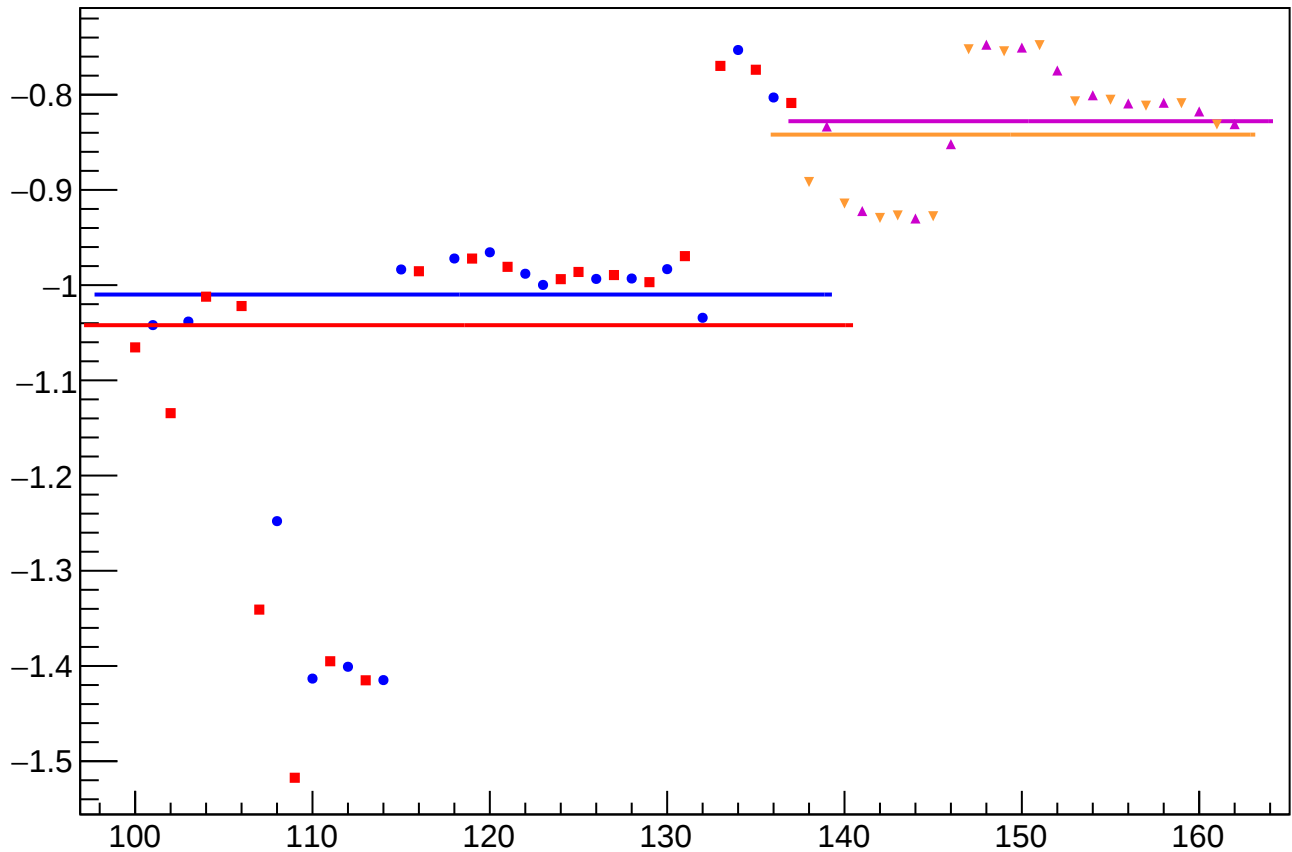
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:311609.8/11

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1756485.0/29

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3453095.7/60

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1693731.8/30

yield_bpm4acX_mean vs Slug



Right In: -1.010 ± 0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.842 ± 0.000 χ^2/NDF : 91637790.9/12

Right Out: -1.042 ± 0.000 χ^2/NDF : 530106141.8/18

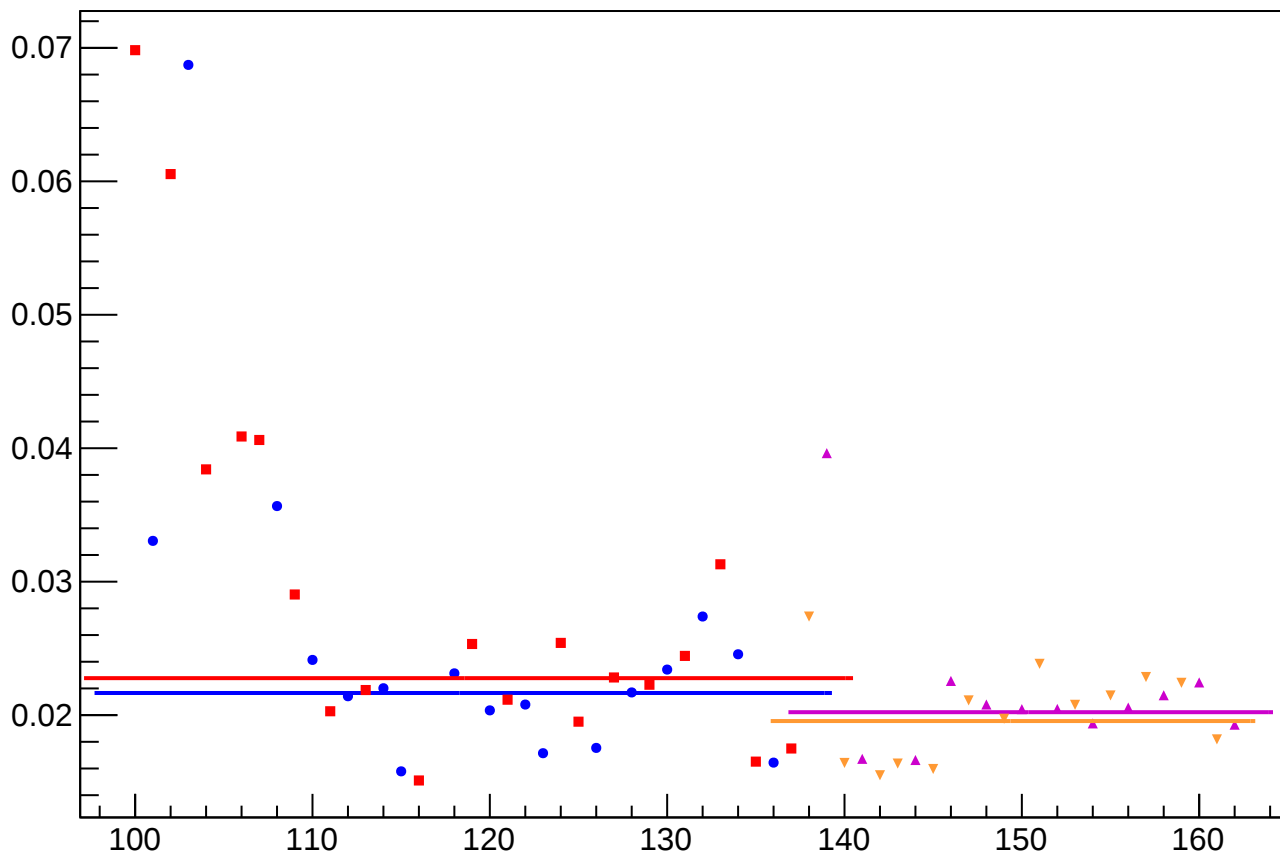
Left In: -0.828 ± 0.000 χ^2/NDF : 70017054.5/11

+ sign -0.901 ± 0.000 χ^2/NDF : 677201494.3/29

All: -0.902 ± 0.000 χ^2/NDF : 1582630481.8/6

- sign -0.903 ± 0.000 χ^2/NDF : 905379558.2/30

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 983499.8/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 388071.6/12

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152617.8/18

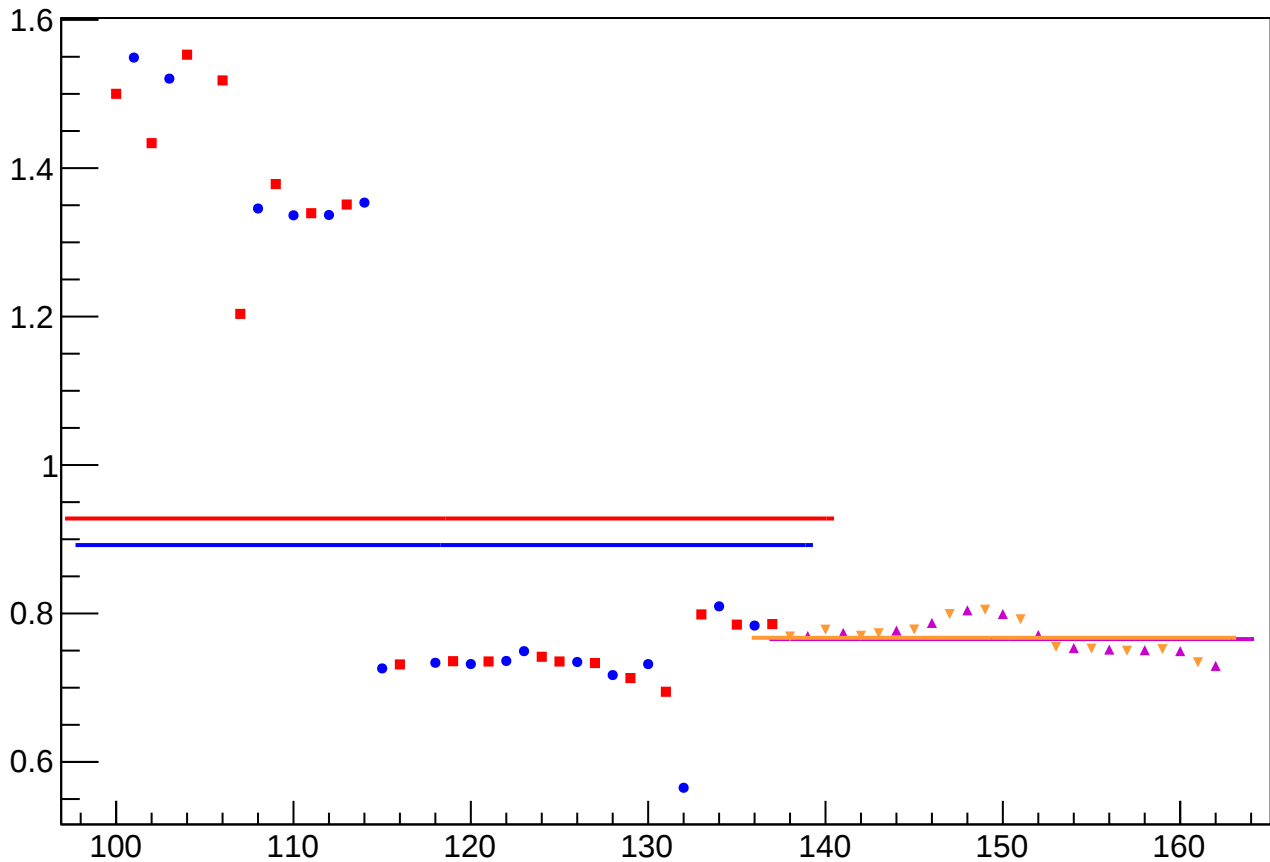
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 472660.9/11

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1433635.4/29

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3165433.2/60

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1711832.8/30

yield_bpm4acY_mean vs Slug



Right In: 0.892 $\pm$ 0.000 χ^2 /NDF: 2413732173.6/16

Left Out: 0.767 $\pm$ 0.000 χ^2 /NDF:21511774.8/12

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

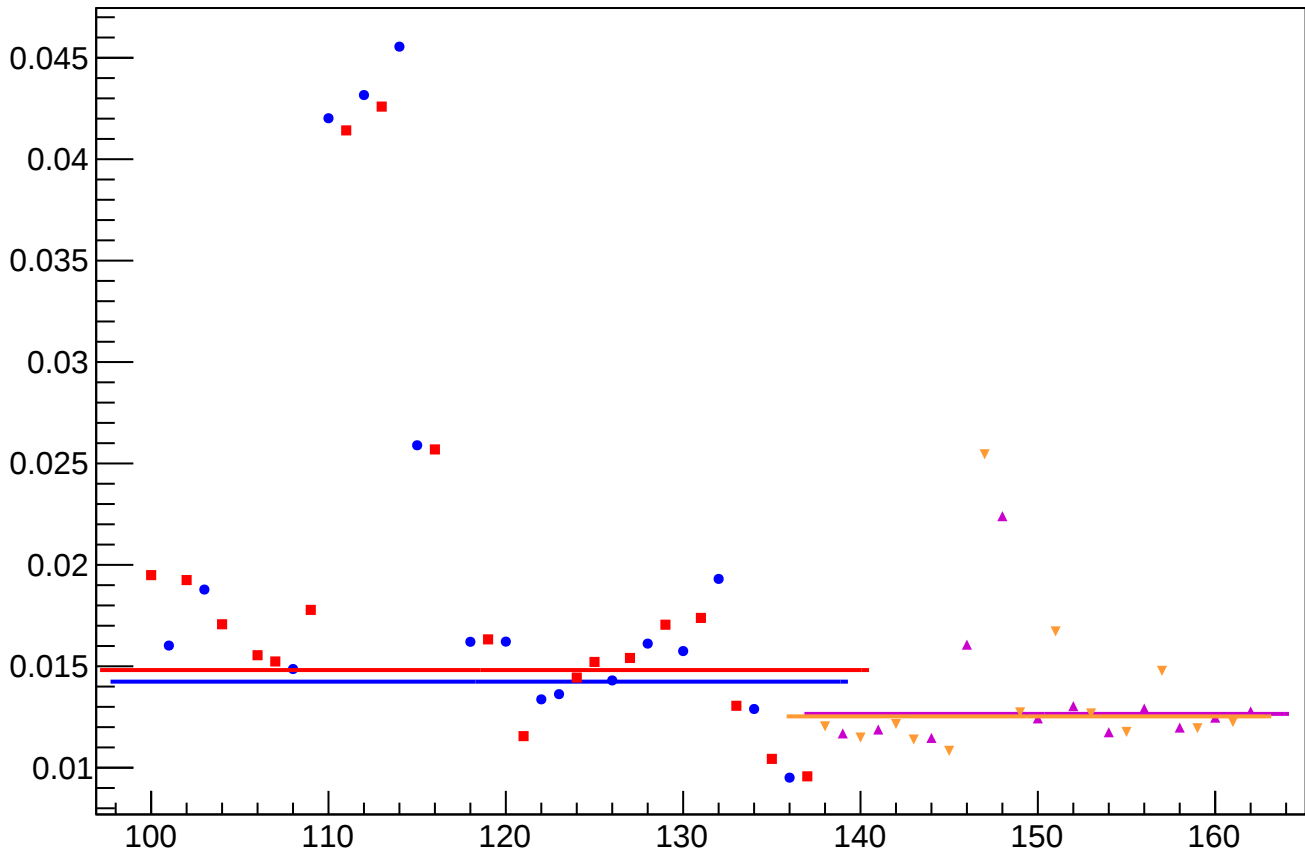
Left In: 0.766 $\pm$ 0.000 χ^2 /NDF:21853831.9/11

+ sign 0.808 $\pm$ 0.000 χ^2 /NDF: 2729059720.1/29

All: 0.813 $\pm$ 0.000 χ^2 /NDF: 5681546166.6/60

- sign 0.818 $\pm$ 0.000 χ^2 /NDF: 2948198263.2/30

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1415681.3/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:583753.5/12

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1274172.7/18

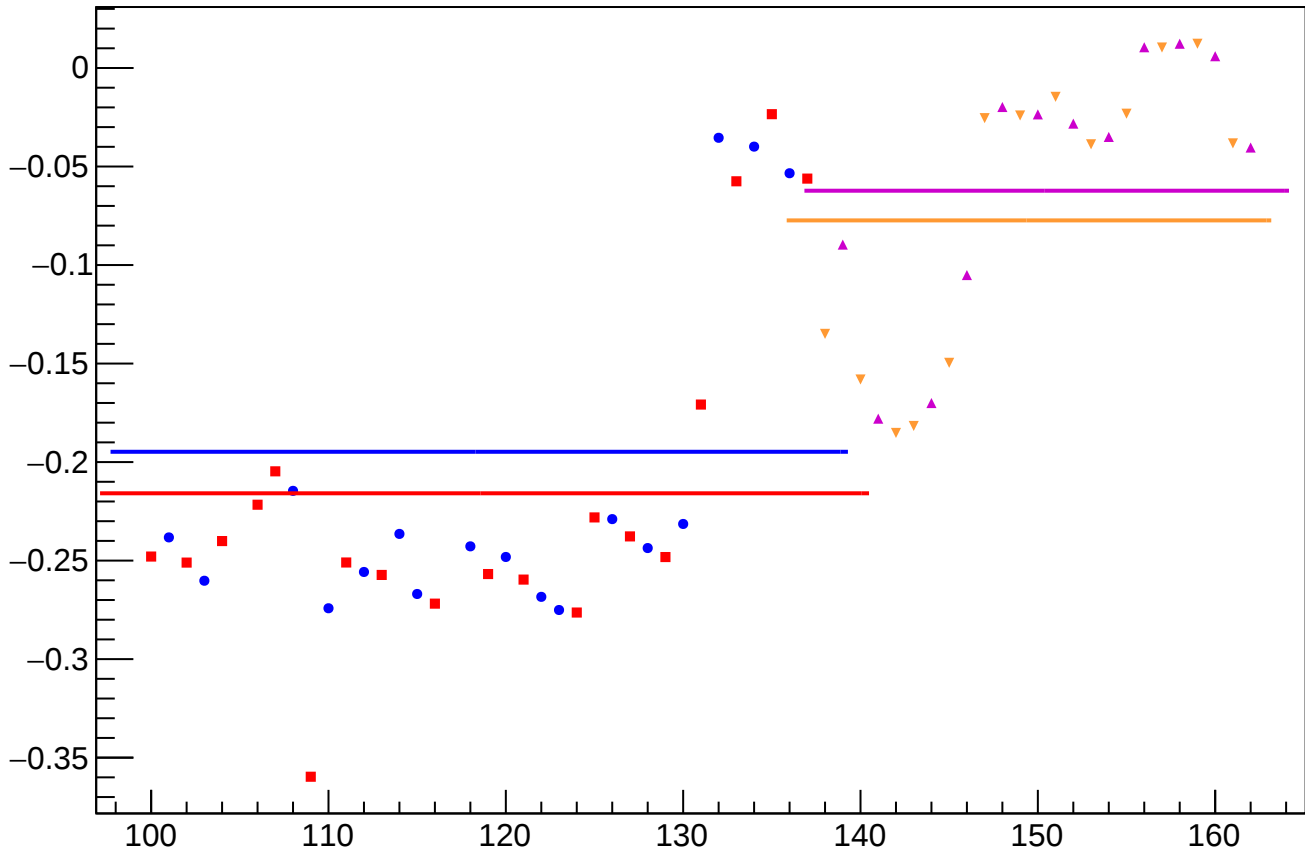
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:405015.6/11

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2109821.7/29

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3967862.5/60

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1852153.8/30

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.077+/-0.000 χ^2/NDF : 106900254.2/12

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

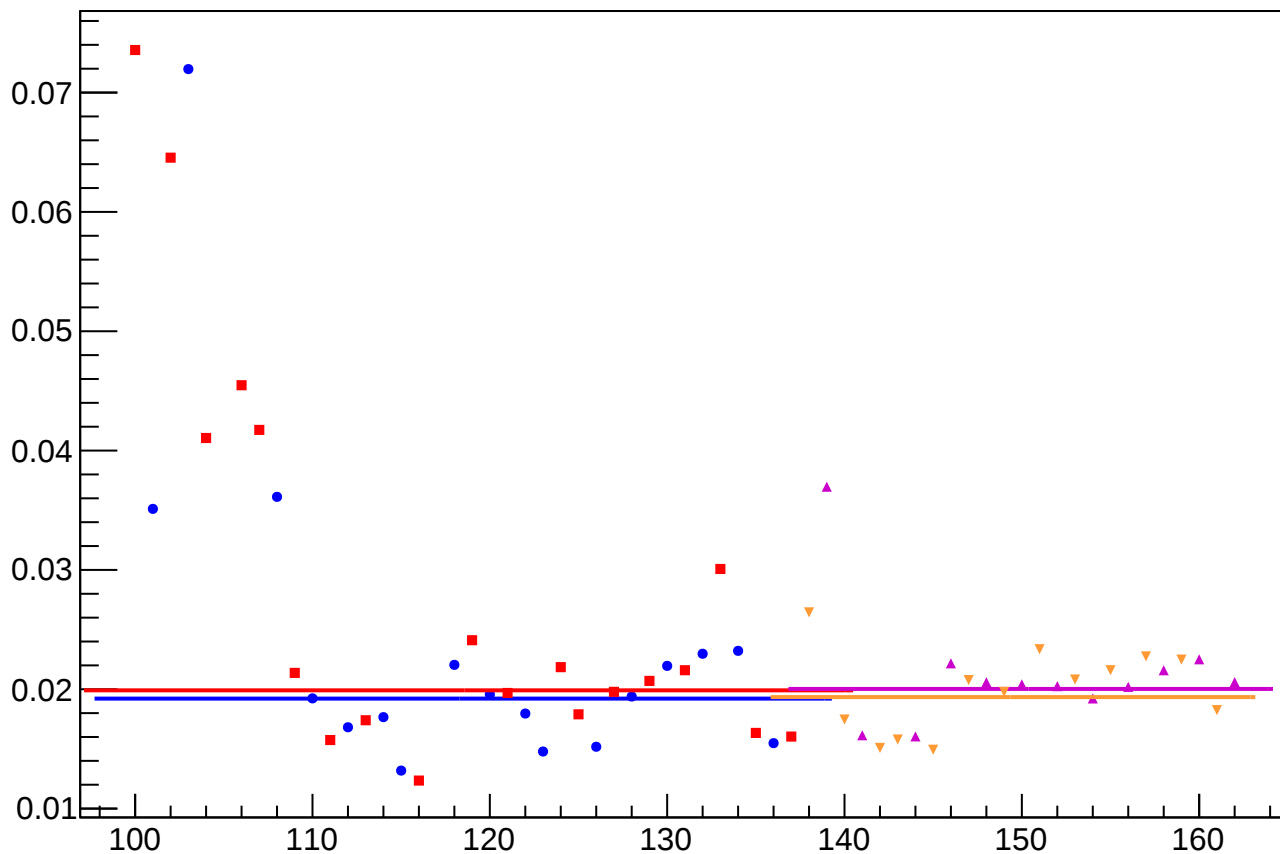
Left In: -0.062+/-0.000 χ^2/NDF : 94140276.6/11

+ sign -0.124+/-0.000 χ^2/NDF : 327908388.1/29

All: -0.124+/-0.000 χ^2/NDF : 718152175.9/60

- sign -0.124+/-0.000 χ^2/NDF : 390243449.6/30

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 417862.5/12

Right Out: 0.020+/-0.000 χ^2/NDF : 1446950.0/18

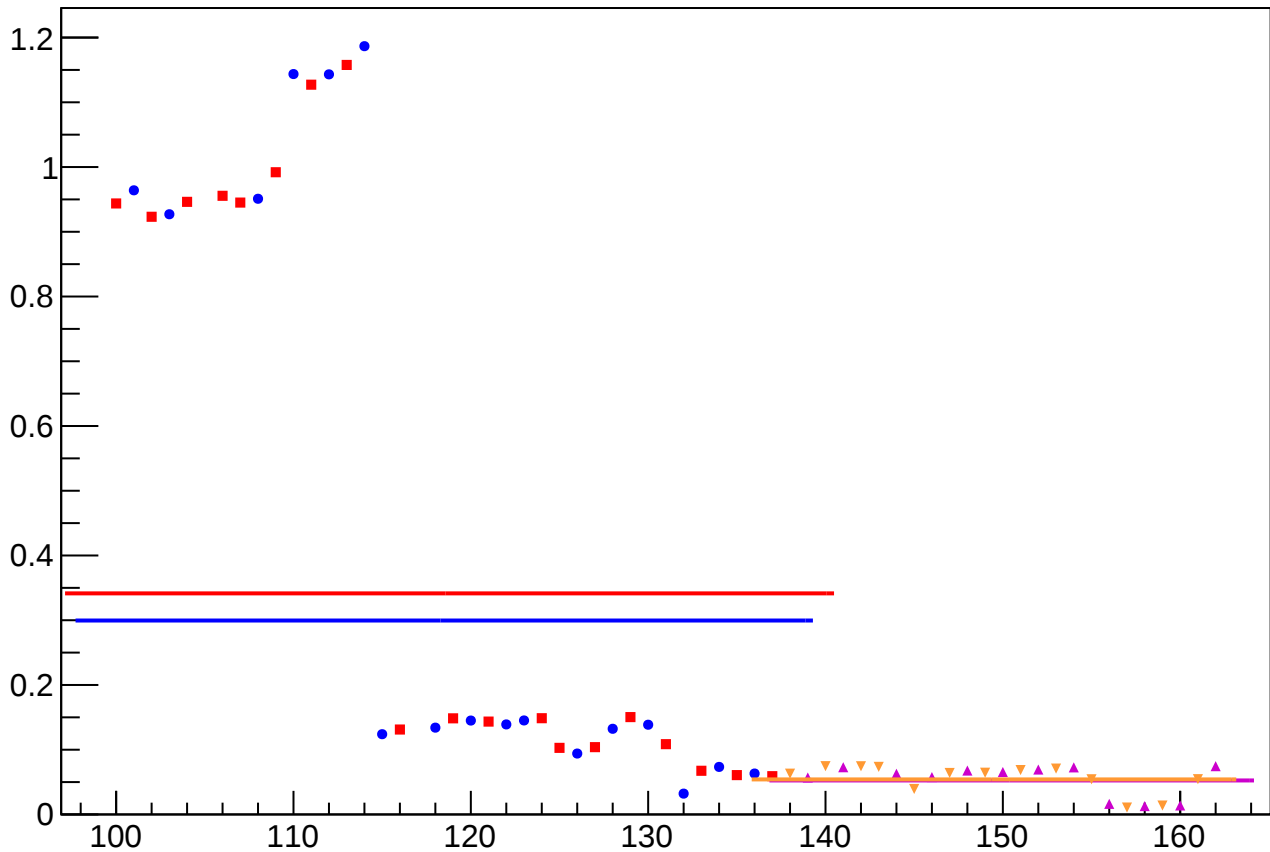
Left In: 0.020+/-0.000 χ^2/NDF : 470627.1/11

+ sign 0.019+/-0.000 χ^2/NDF : 1595206.8/29

All: 0.020+/-0.000 χ^2/NDF : 3528671.8/60

- sign 0.020+/-0.000 χ^2/NDF : 1917791.5/30

yield_bpm4ecY_mean vs Slug



Right In: 0.300 ± 0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.054 ± 0.000 χ^2/NDF : 34623961.3/12

Right Out: 0.341 ± 0.000 χ^2/NDF : 5450600455.1/18

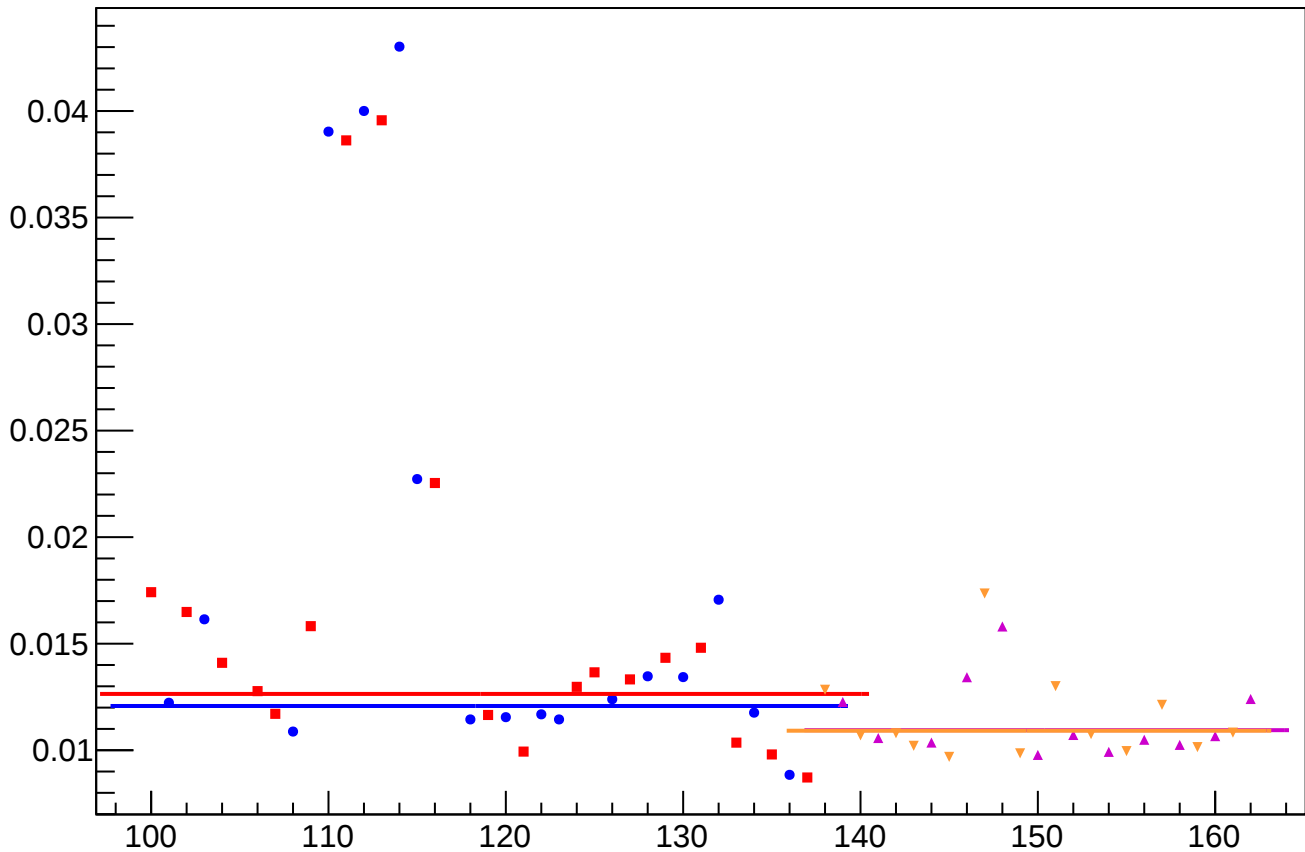
Left In: 0.053 ± 0.000 χ^2/NDF : 45455319.5/11

+ sign 0.136 ± 0.000 χ^2/NDF : 6756296228.8/29

All: 0.141 ± 0.000 χ^2/NDF : 14340265523.0/6

- sign 0.146 ± 0.000 χ^2/NDF : 7578719530.6/30

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 : 363086.8/12

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1237706.0/18

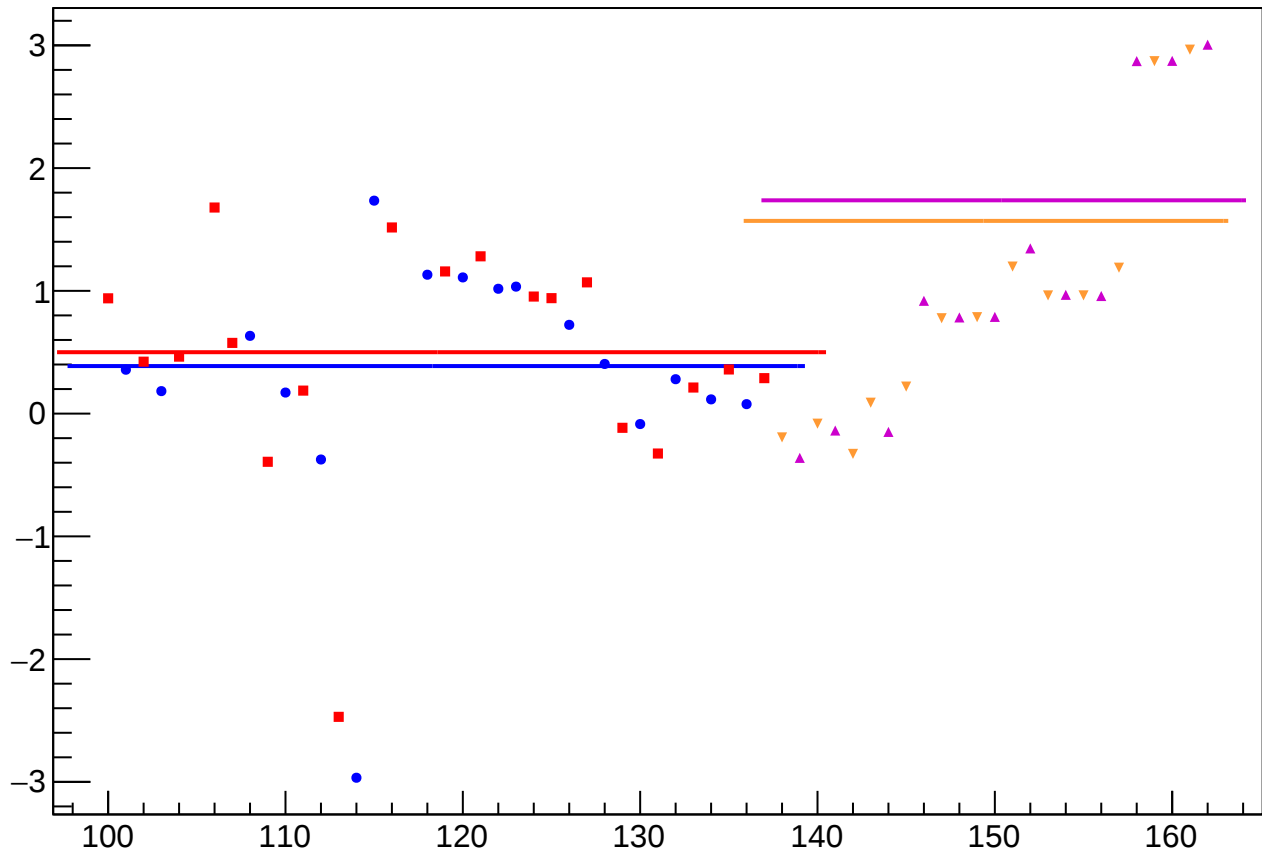
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 293397.7/11

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 1714728.8/29

All: 0.011 $\pm$ 0.000 χ^2/NDF : 3394130.4/60

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 1675408.4/30

yield_bpm1X_mean vs Slug



Right In: 0.387 ± 0.000 χ^2/NDF : 247912593.5/16

Left Out: 1.570 ± 0.000 χ^2/NDF : 19026826836.3/12

Right Out: 0.500 ± 0.000 χ^2/NDF : 983360928.1/18

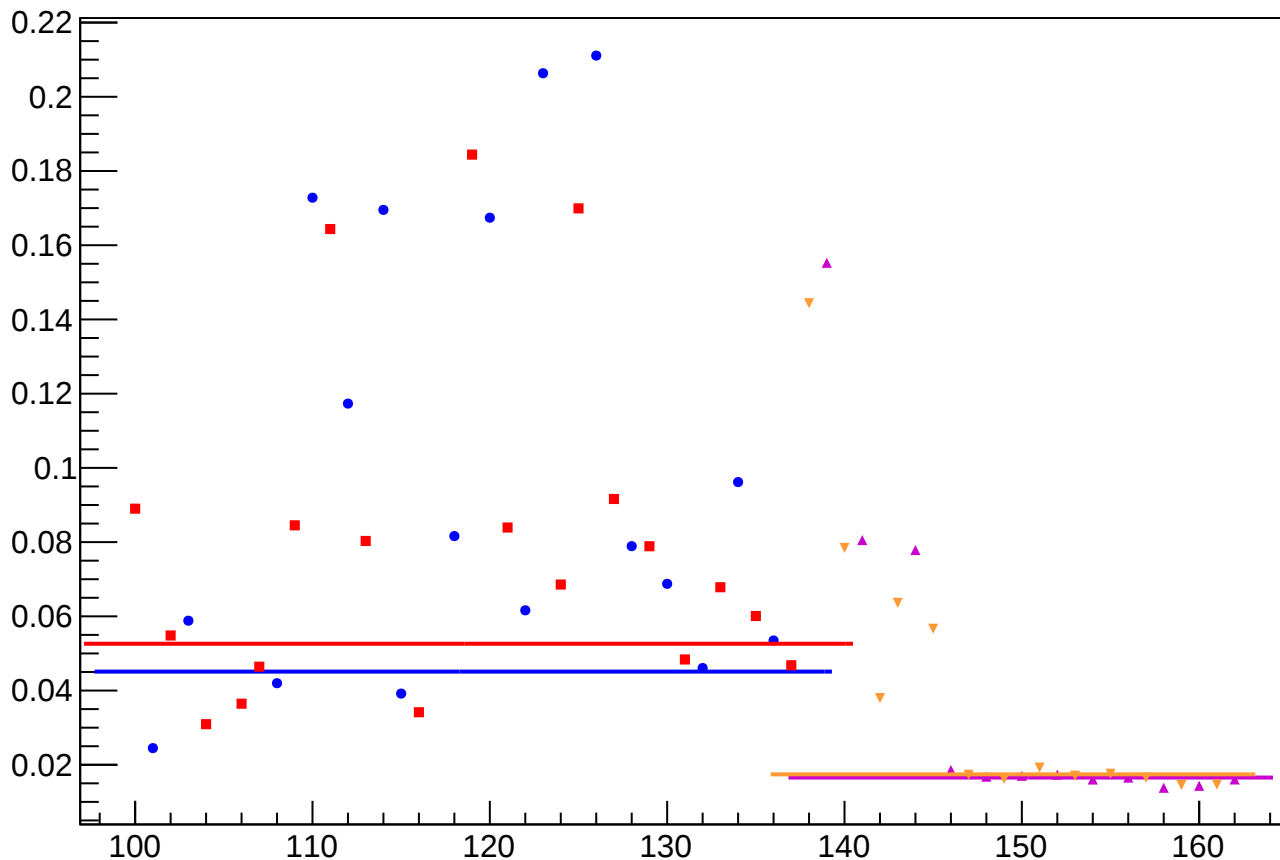
Left In: 1.738 ± 0.000 χ^2/NDF : 23683215022.2/11

+ sign 1.480 ± 0.000 χ^2/NDF : 21534329430.6/29

All: 1.579 ± 0.000 χ^2/NDF : 48783465057.1/6

- sign 1.667 ± 0.000 χ^2/NDF : 26821389706.8/30

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 : 2717108.9/12

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

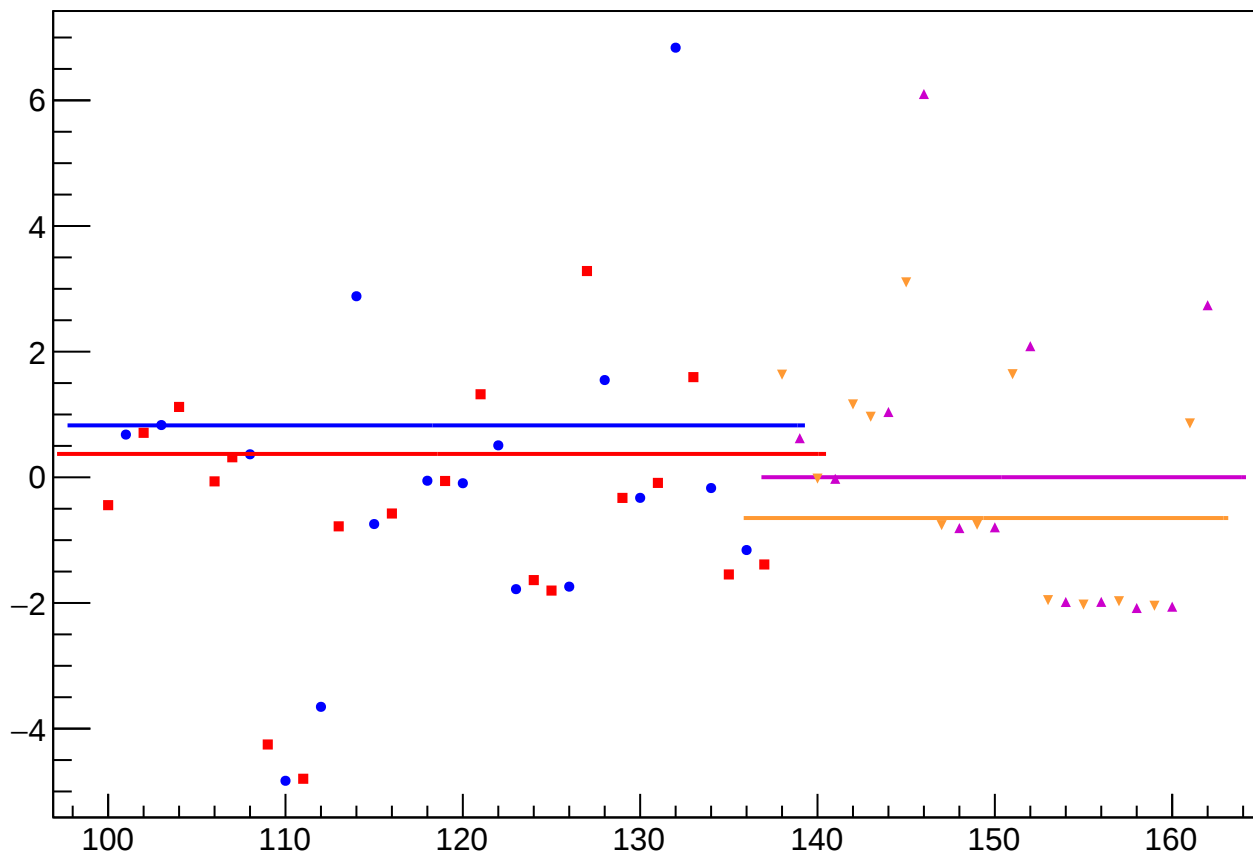
Left In: 0.017+/-0.000 χ^2/NDF : 2325229.6/11

+ sign 0.020+/-0.000 χ^2/NDF : 8039549.8/29

All: 0.019+/-0.000 χ^2/NDF : 16235682.0/60

- sign 0.019+/-0.000 χ^2/NDF : 8175673.5/30

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: -0.648 ± 0.000 χ^2/NDF : 94423341893.5/12

Right Out: 0.372 ± 0.000 χ^2/NDF : 4972900338.2/18

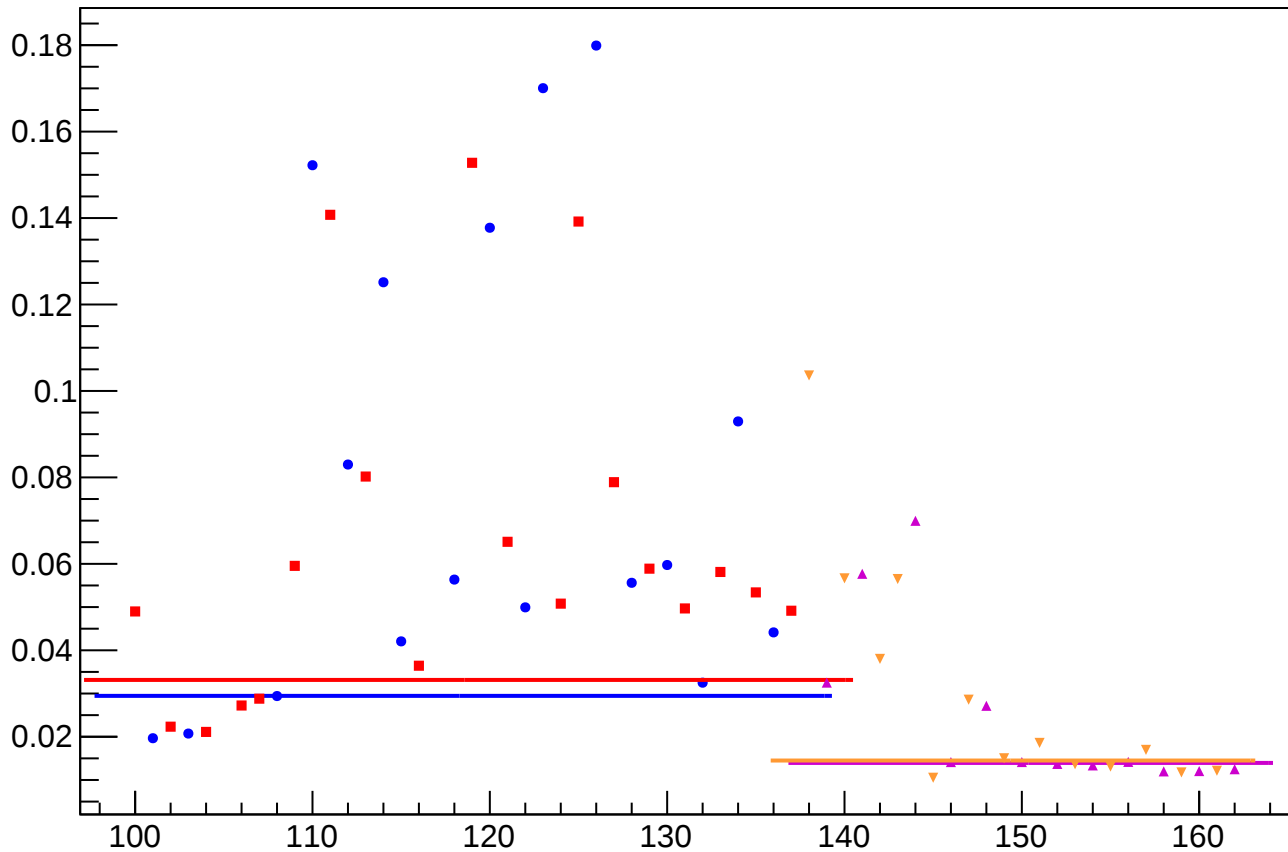
Left In: 0.002 ± 0.000 χ^2/NDF : 267363769535.3/11

+ sign -0.487 ± 0.000 χ^2/NDF : 112985364076.9/29

All: -0.210 ± 0.000 χ^2/NDF : 390978668510.0

- sign 0.033 ± 0.000 χ^2/NDF : 272776008389.2/30

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.015+/-0.000 χ^2/NDF : 2752076.3/12

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

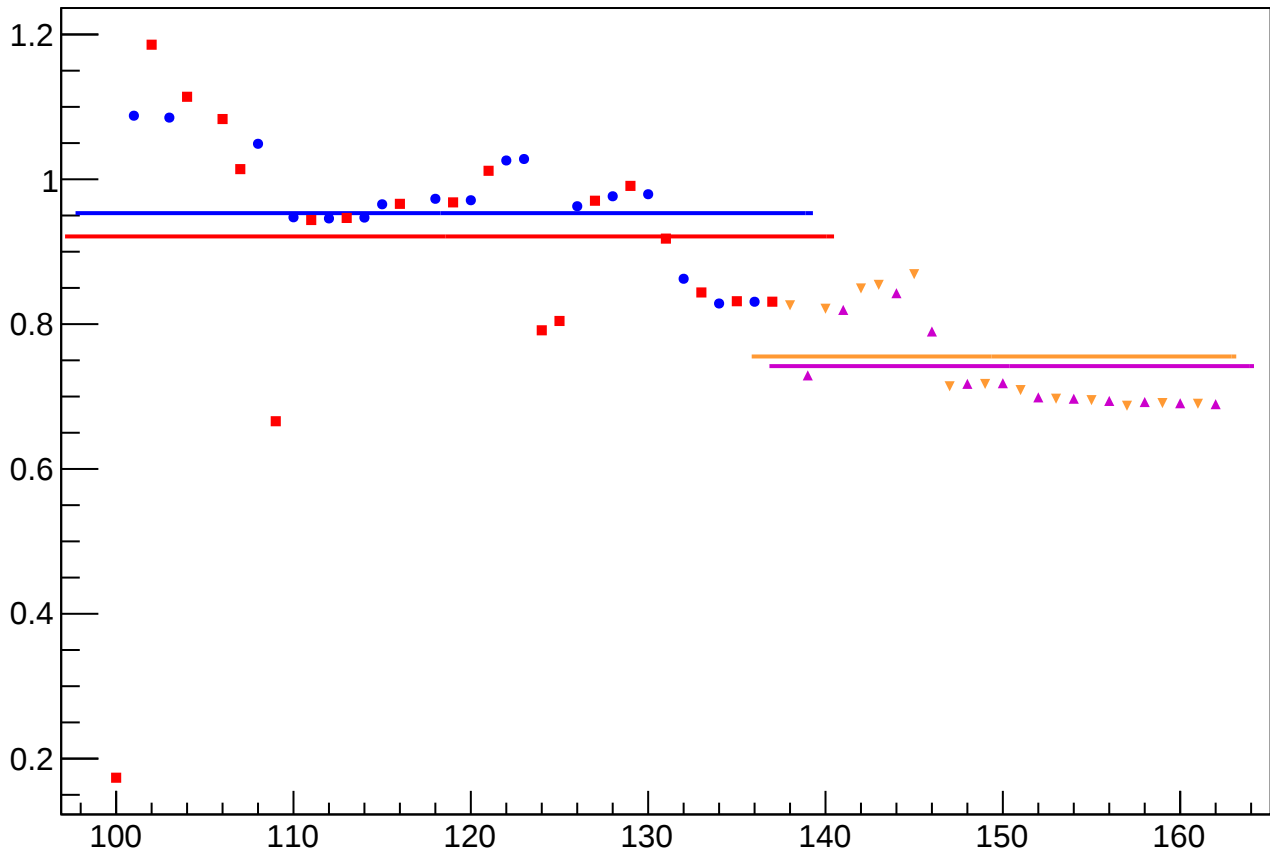
Left In: 0.014+/-0.000 χ^2/NDF : 1834693.9/11

+ sign 0.016+/-0.000 χ^2/NDF : 7375119.8/29

All: 0.016+/-0.000 χ^2/NDF : 14678270.9/60

- sign 0.016+/-0.000 χ^2/NDF : 7291495.5/30

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.755 $\pm$ 0.000 χ^2 /NDF: 238802930.1/12

+ sign 0.832 $\pm$ 0.000 χ^2 /NDF: 1157100075.1/29

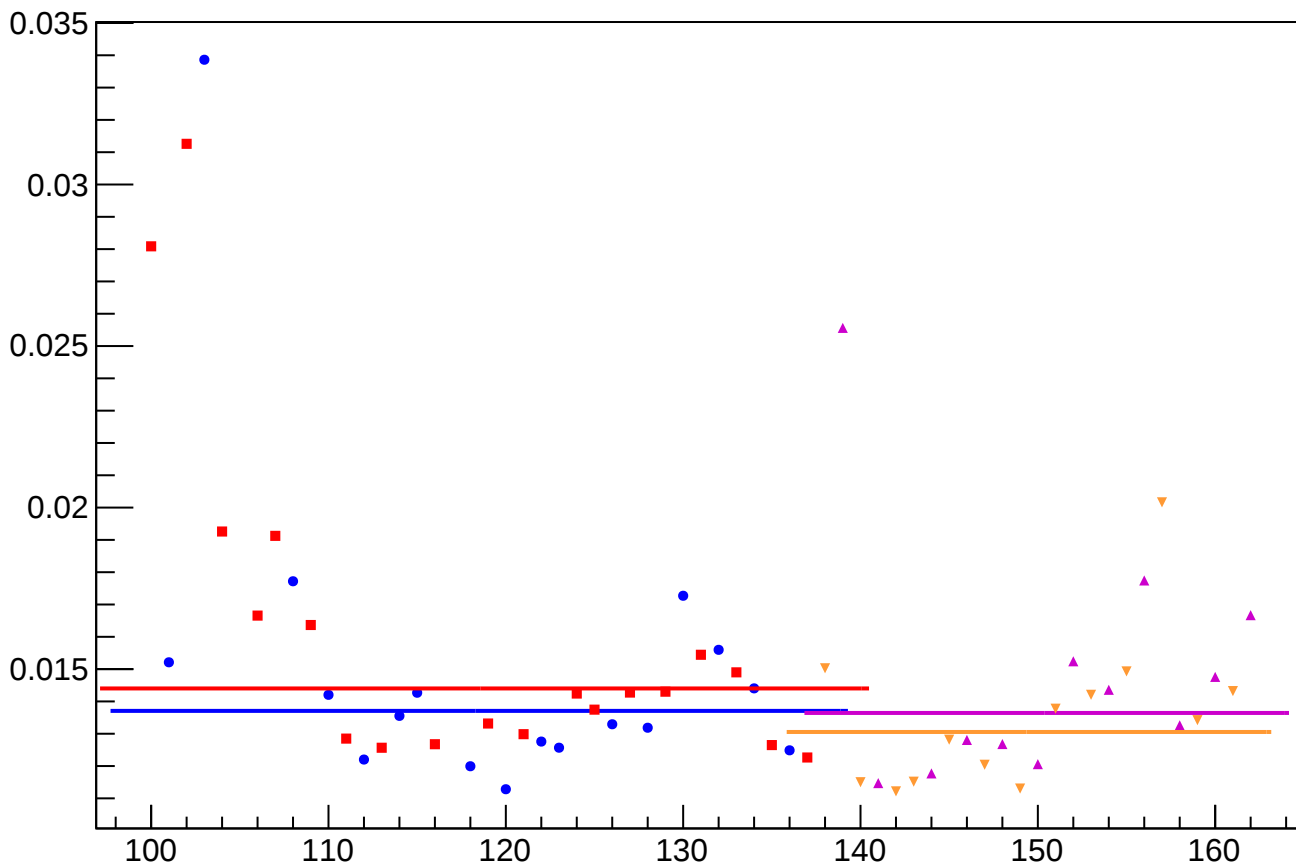
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

All: 0.822 $\pm$ 0.000 χ^2 /NDF: 2268937265.4/60

- sign 0.812 $\pm$ 0.000 χ^2 /NDF: 1096494190.2/30

Left In: 0.742 $\pm$ 0.000 χ^2 /NDF: 149385591.8/11

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:325297.0/12

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

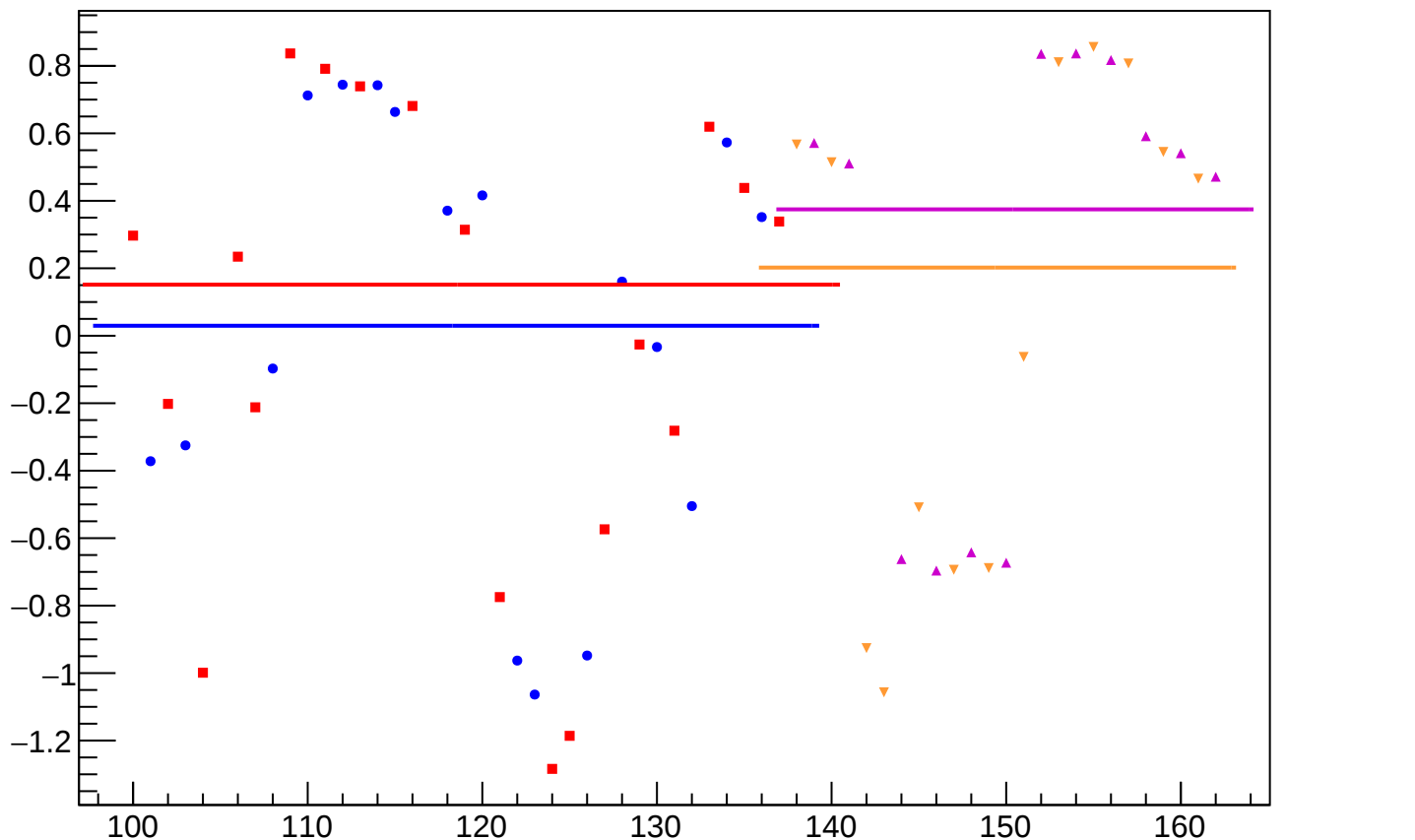
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:566162.8/11

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 887769.4/29

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2007198.0/60

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1088469.6/30

yield_bpm11Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 6294824795.0/16

Left Out: 0.202+/-0.000 χ^2/NDF :23473965730.0/12

Right Out: 0.152+/-0.000 χ^2/NDF : 12661812059.7/18

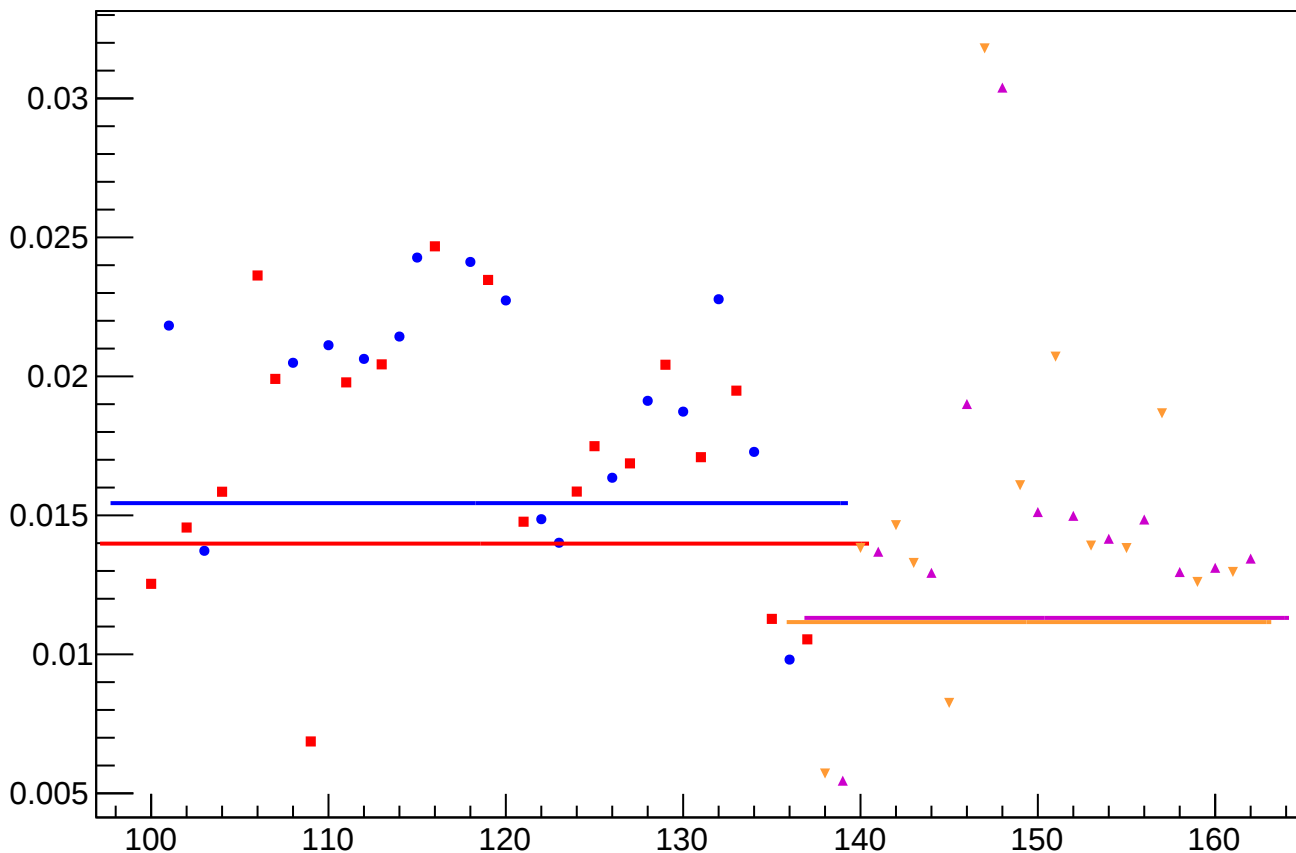
Left In: 0.375+/-0.000 χ^2/NDF :16055163709.8/11

+ sign 0.154+/-0.000 χ^2/NDF : 30278177838.2/29

All: 0.231+/-0.000 χ^2/NDF : 60945800668.2/6

- sign 0.304+/-0.000 χ^2/NDF : 29689165361.2/30

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.011+/-0.000 χ^2/NDF : 2839101.2/12

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

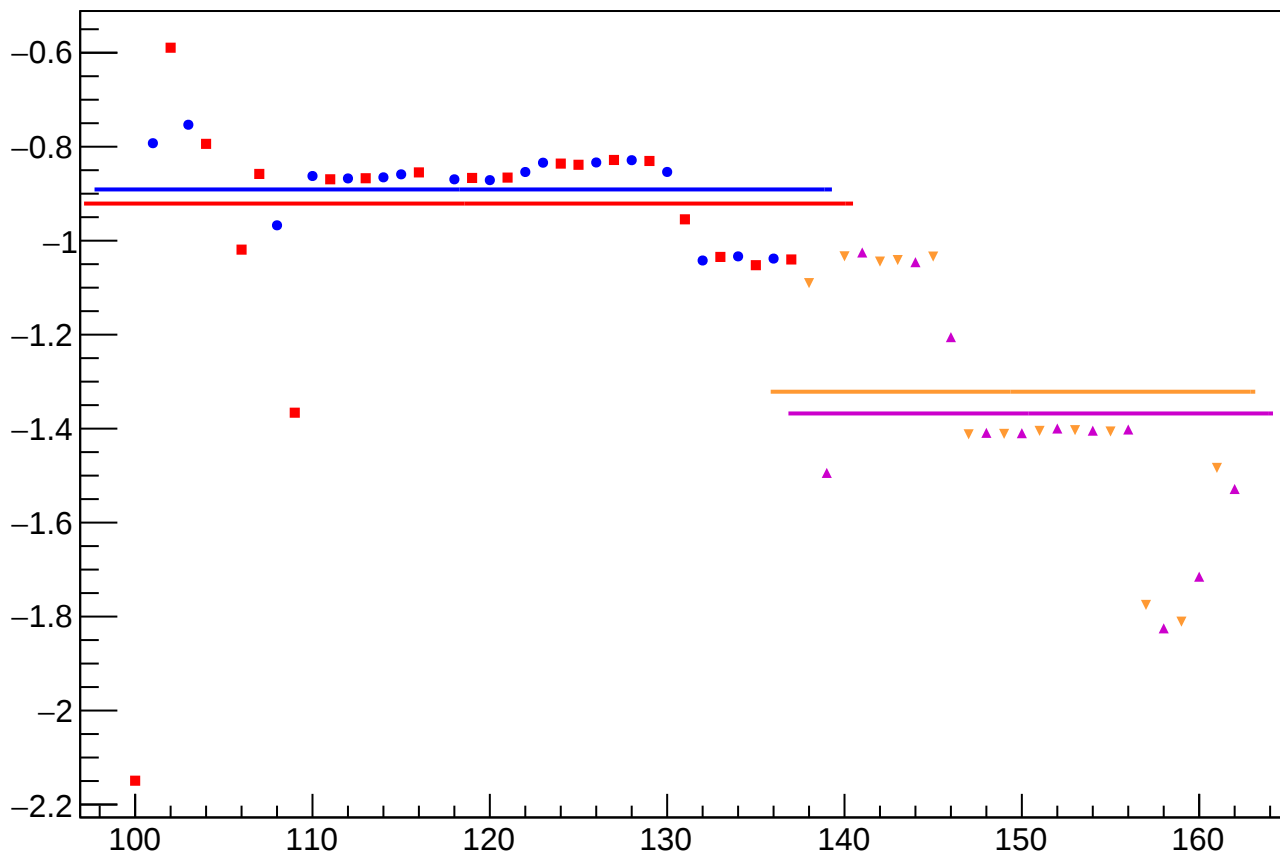
Left In: 0.011+/-0.000 χ^2/NDF : 2806528.2/11

+ sign 0.012+/-0.000 χ^2/NDF : 4628409.1/29

All: 0.012+/-0.000 χ^2/NDF : 9277597.9/60

- sign 0.012+/-0.000 χ^2/NDF : 4646097.6/30

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.321+/-0.000 χ^2/NDF : 449662082.7/12

Right Out: -0.921+/-0.000 χ^2/NDF : 131183059.9/18

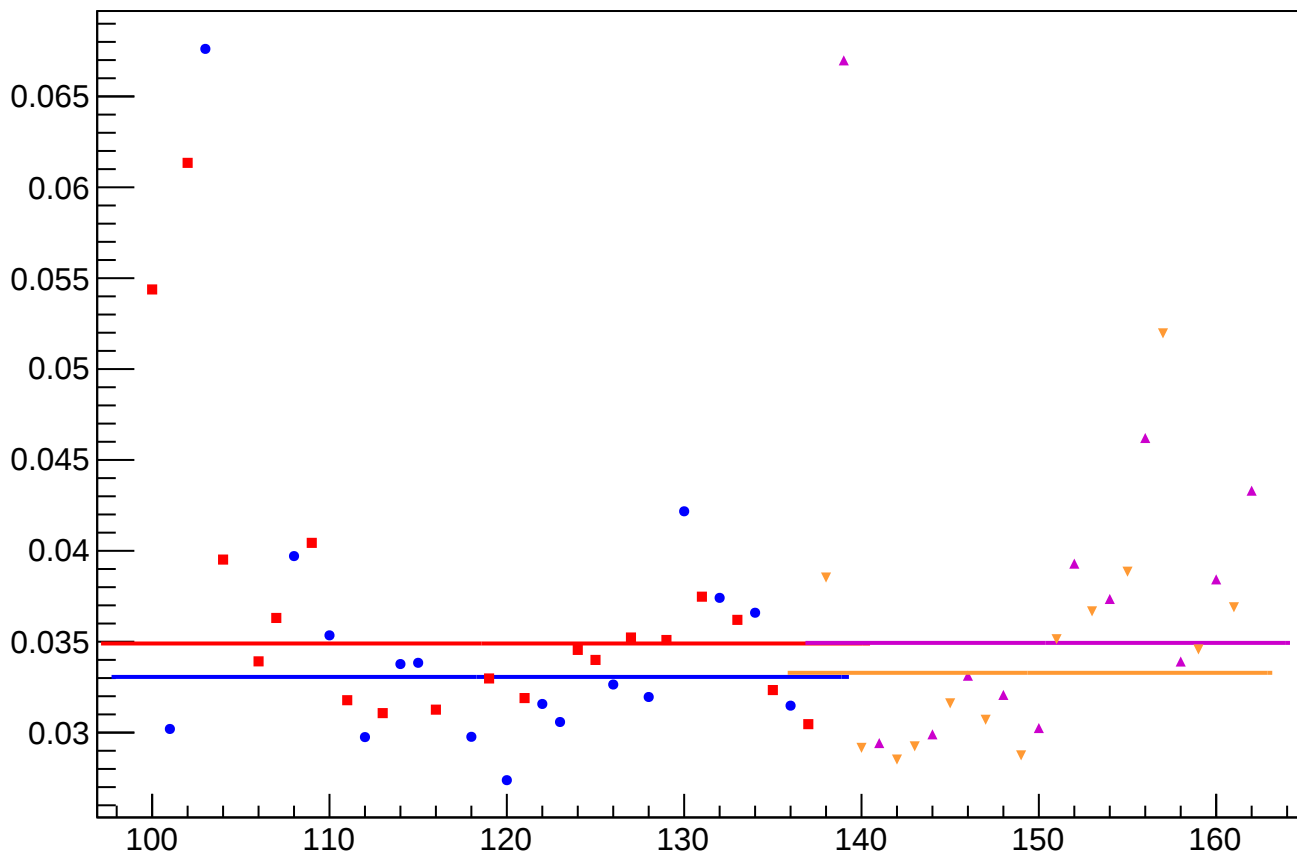
Left In: -1.368+/-0.000 χ^2/NDF : 410912250.5/11

+ sign -1.141+/-0.000 χ^2/NDF : 1067718504.6/29

All: -1.159+/-0.000 χ^2/NDF : 2201158533.5/6

- sign -1.179+/-0.000 χ^2/NDF : 1124559466.4/30

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 409286.7/16

Left Out: 0.033 $\pm$ 0.000 χ^2 /NDF:352231.6/12

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 274270.8/18

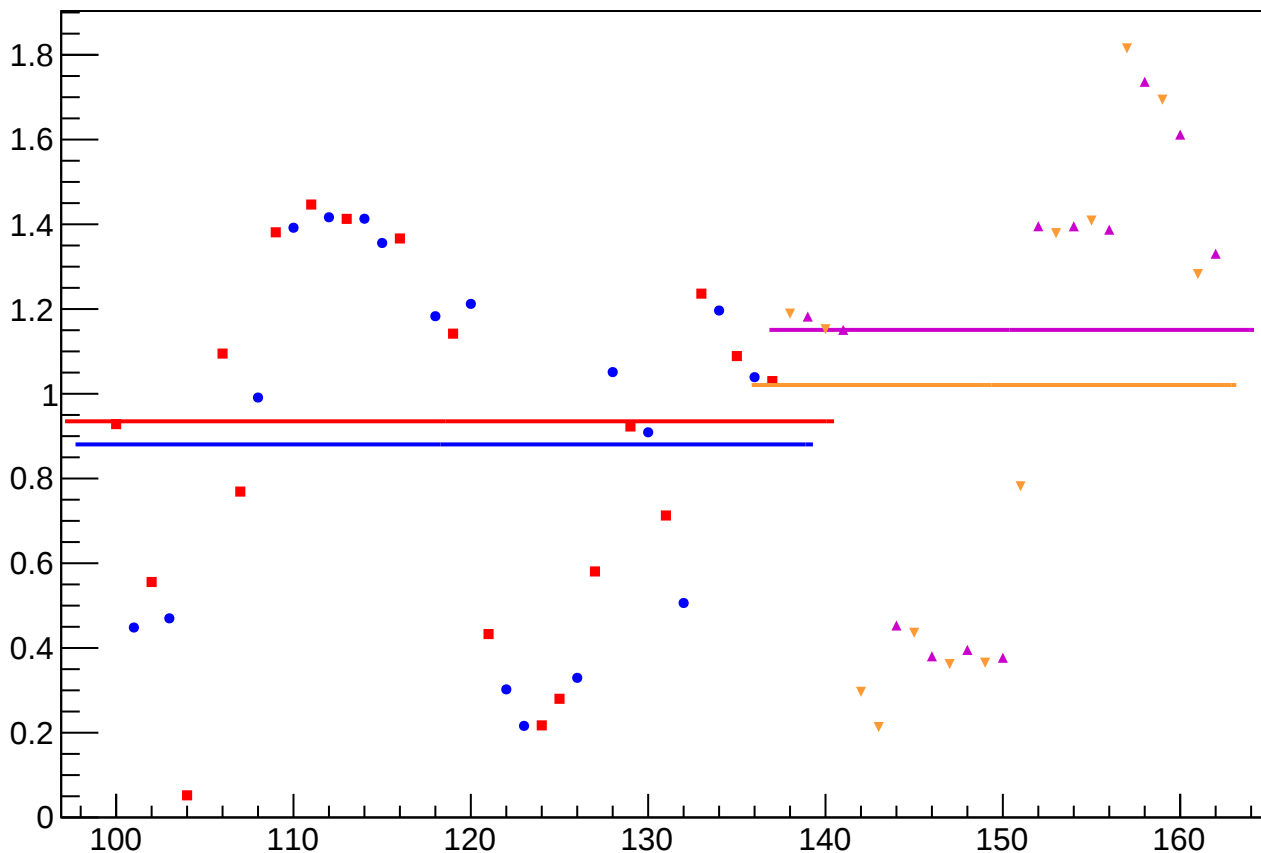
Left In: 0.035 $\pm$ 0.000 χ^2 /NDF:617609.1/11

+ sign 0.033 $\pm$ 0.000 χ^2 /NDF: 761837.5/29

All: 0.034 $\pm$ 0.000 χ^2 /NDF: 1690654.4/60

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 891886.2/30

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 1.021 $\pm$ 0.000 χ^2 /NDF: 28549891057.0/12

Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9833525935.6/18

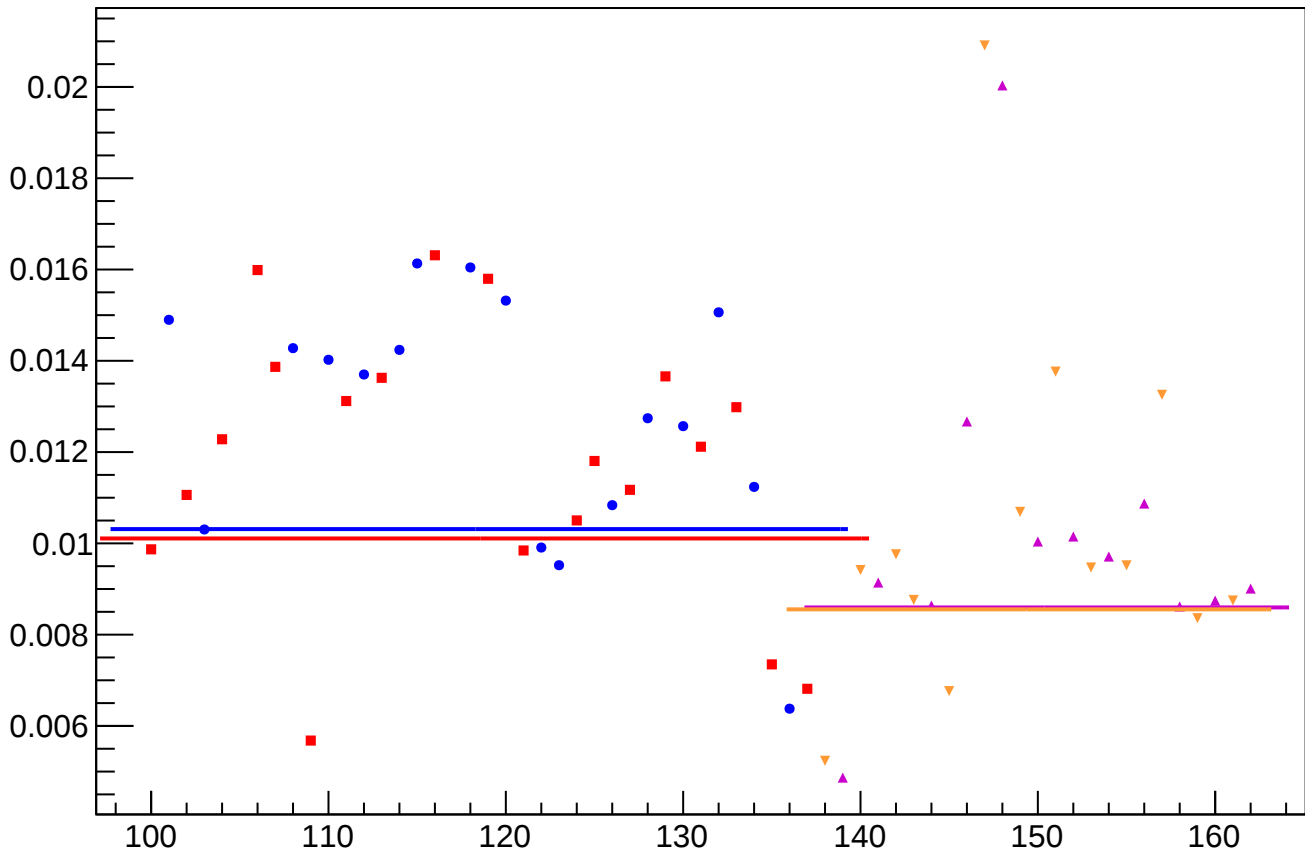
Left In: 1.151 $\pm$ 0.000 χ^2 /NDF: 21728382453.2/11

+ sign 0.977 $\pm$ 0.000 χ^2 /NDF: 35661862636.7/29

All: 1.029 $\pm$ 0.000 χ^2 /NDF: 69900343349.7/6

- sign 1.079 $\pm$ 0.000 χ^2 /NDF: 33341582069.0/30

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:1653271.6/12

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

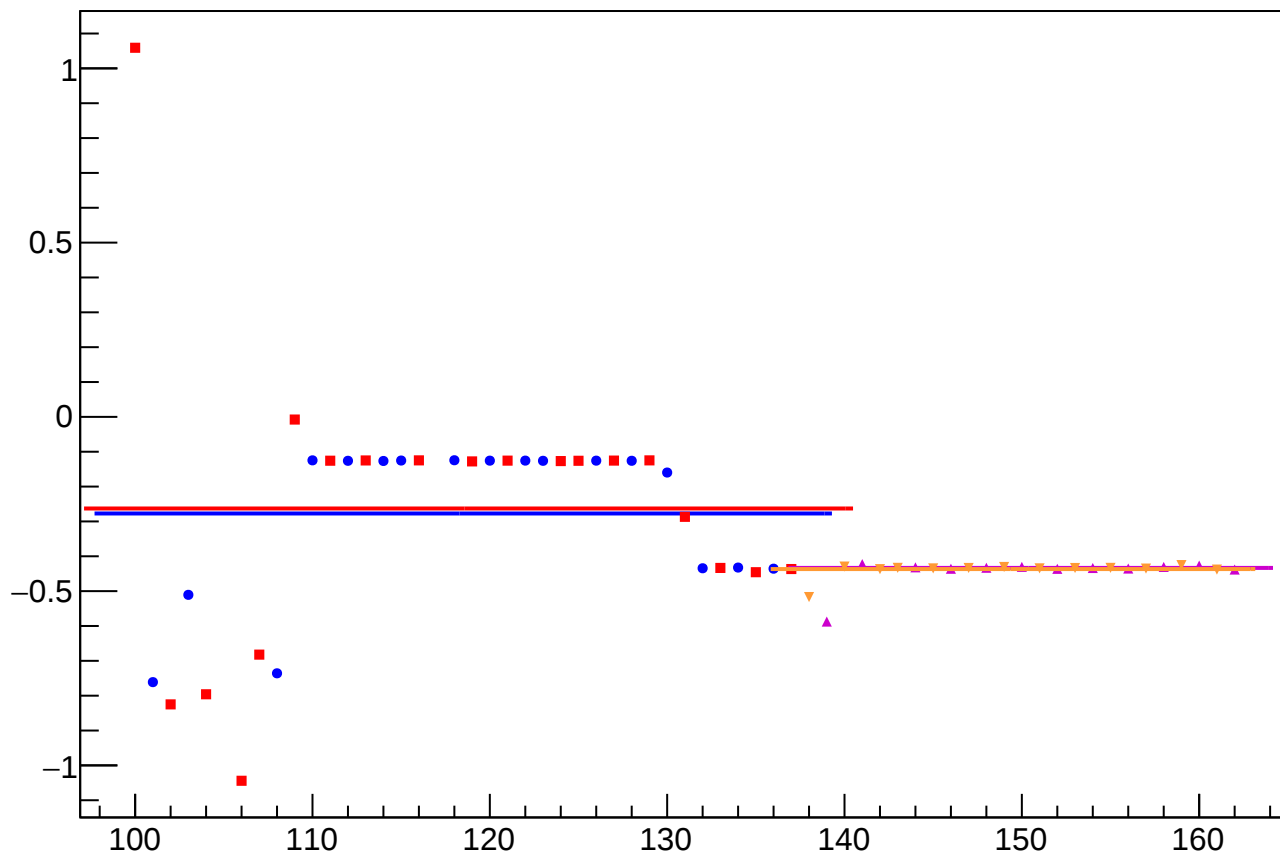
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1557248.6/11

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3108111.4/29

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6018409.8/60

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2910282.4/30

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.437 ± 0.000 χ^2/NDF : 25425410.0/12

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

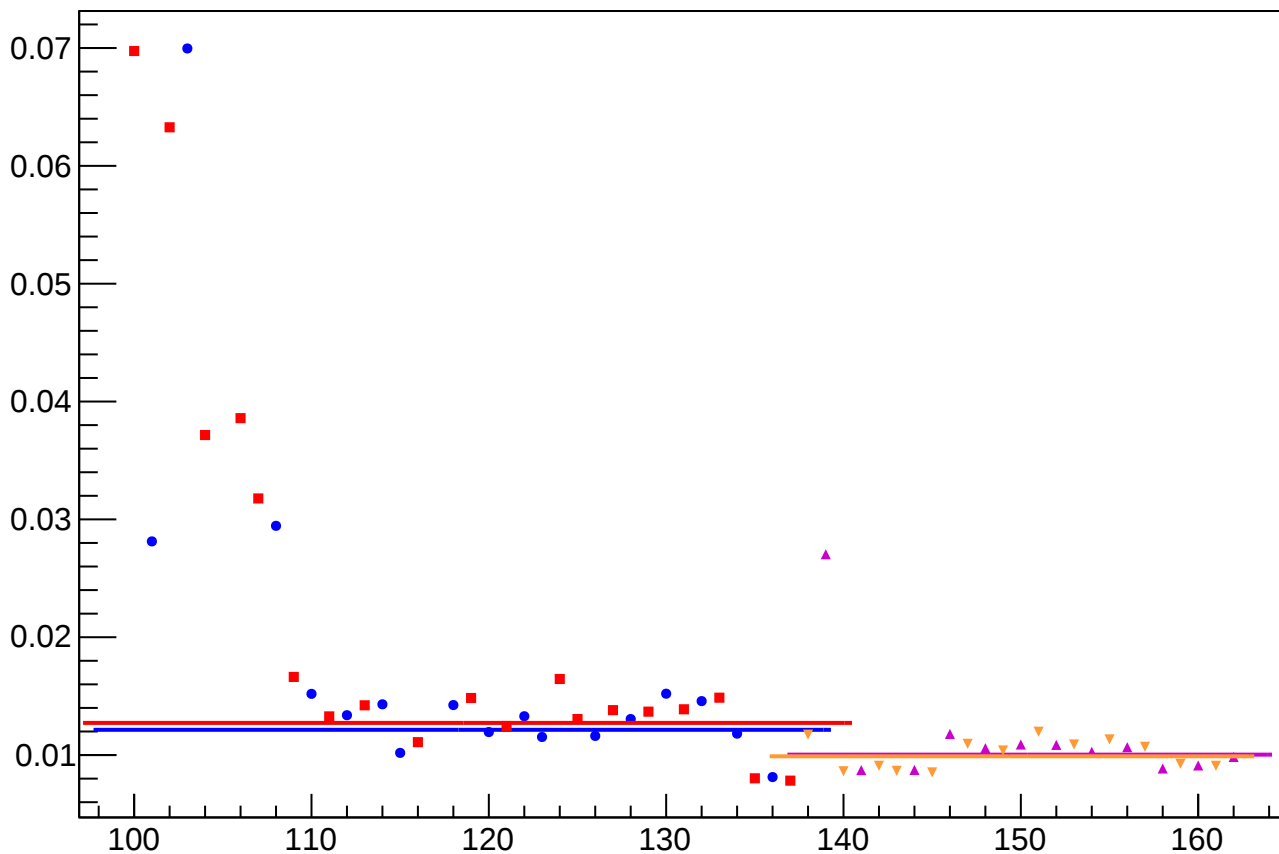
Left In: -0.433 ± 0.000 χ^2/NDF : 23350215.6/11

+ sign -0.392 ± 0.000 χ^2/NDF : 1549901829.3/29

All: -0.389 ± 0.000 χ^2/NDF : 3213706781.5/6

- sign -0.387 ± 0.000 χ^2/NDF : 1662358756.8/30

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:222791.6/12

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

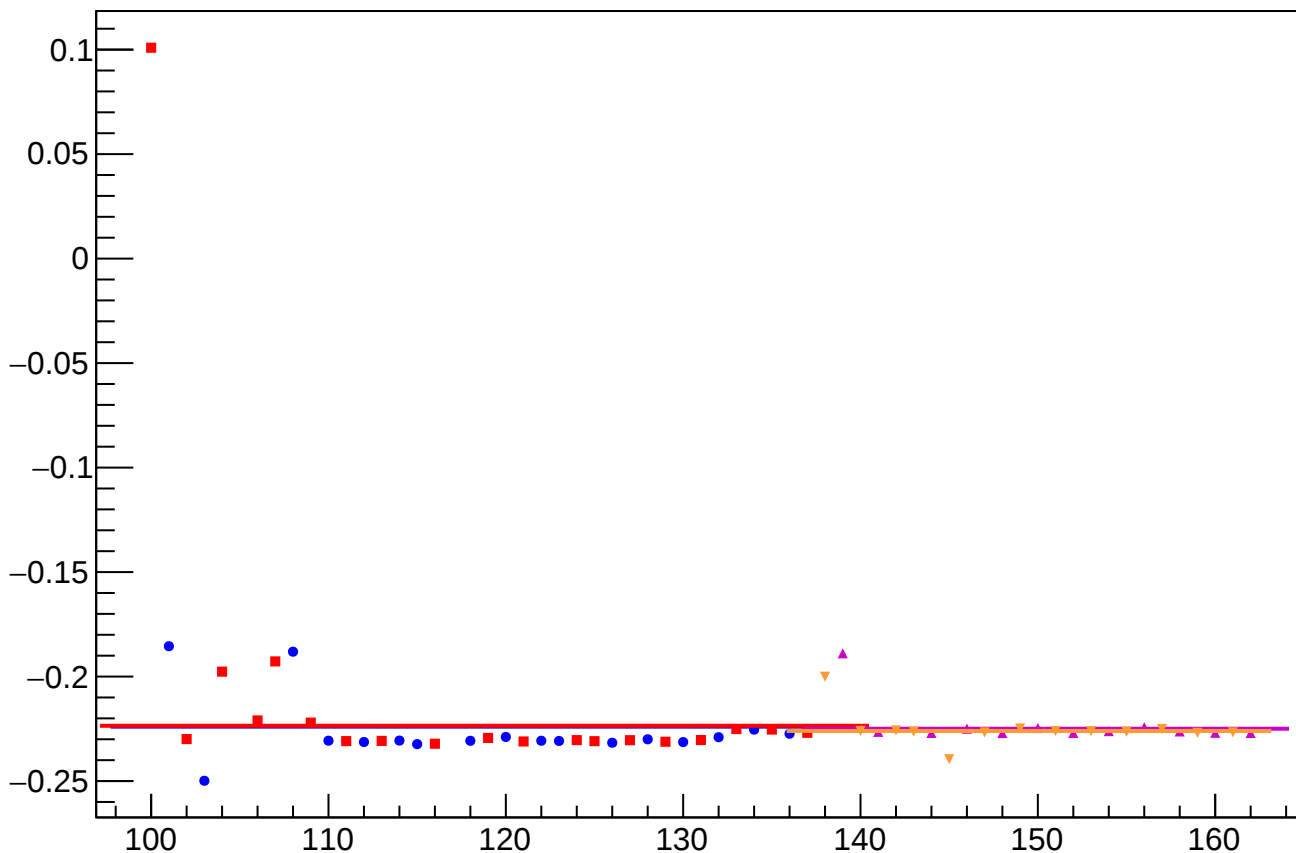
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:680266.7/11

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2182530.5/29

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5153448.1/60

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2964151.5/30

yield_bpm16Y_mean vs Slug



Right In: -0.224 $\pm$ 0.000 χ^2 /NDF: 74704721.6/16

Left Out: -0.226 $\pm$ 0.000 χ^2 /NDF: 20575972.1/12

+ sign -0.225 $\pm$ 0.000 χ^2 /NDF: 95948873.2/29

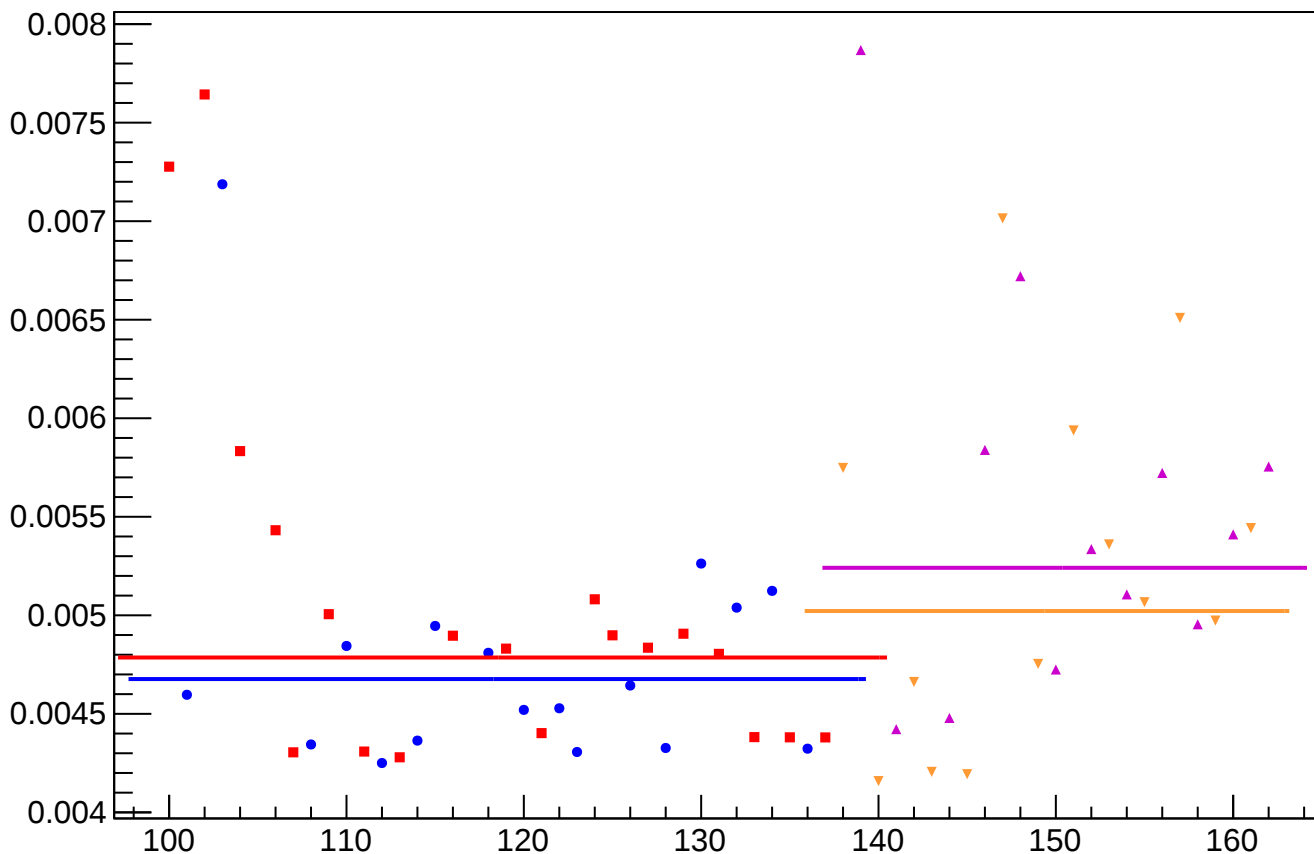
Right Out: -0.224 $\pm$ 0.000 χ^2 /NDF: 168125914.6/18

All: -0.225 $\pm$ 0.000 χ^2 /NDF: 278819537.5/60

Left In: -0.225 $\pm$ 0.000 χ^2 /NDF: 14244651.2/11

- sign -0.224 $\pm$ 0.000 χ^2 /NDF: 182672296.2/30

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 : 434077.0/12

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

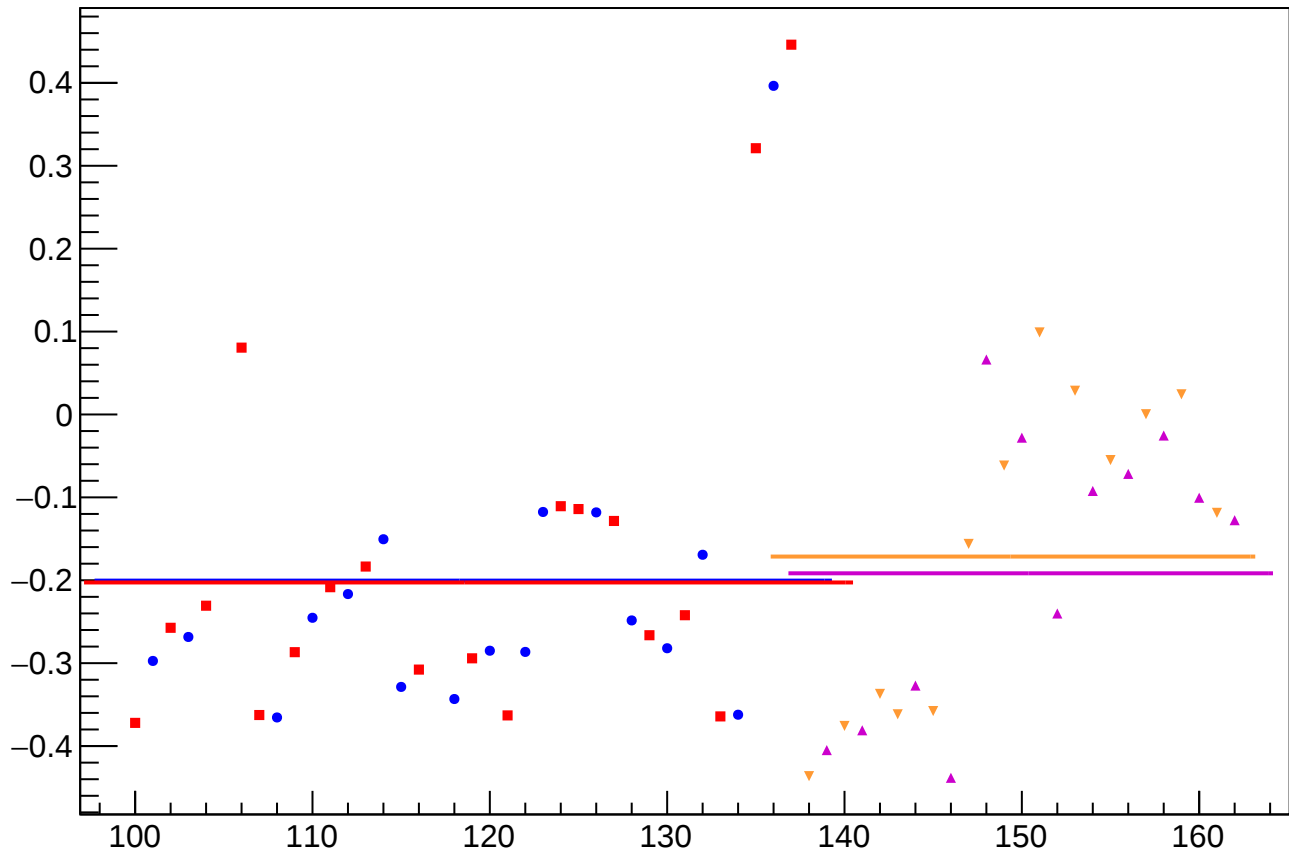
Left In: 0.005+/-0.000 χ^2/NDF : 381363.6/11

+ sign 0.005+/-0.000 χ^2/NDF : 652314.7/29

All: 0.005+/-0.000 χ^2/NDF : 1360524.5/60

- sign 0.005+/-0.000 χ^2/NDF : 692070.7/30

yield_bpm0i02X_mean vs Slug



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.171+/-0.000 χ^2/NDF : 10428722823.3/12

Right Out: -0.203+/-0.000 χ^2/NDF : 5028268807.1/18

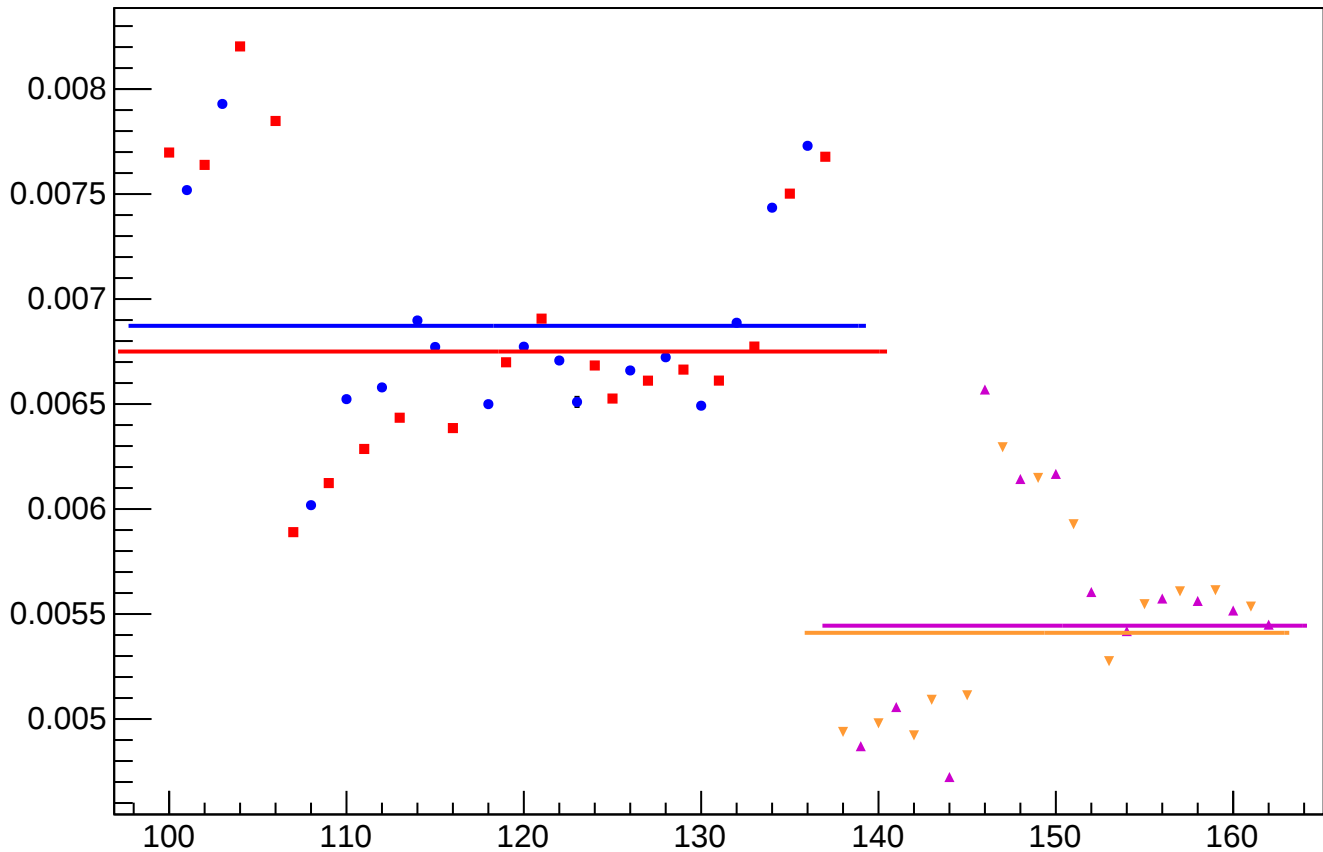
Left In: -0.192+/-0.000 χ^2/NDF : 7397567278.1/11

+ sign -0.180+/-0.000 χ^2/NDF : 16483050915.0/29

All: -0.188+/-0.000 χ^2/NDF : 28971005975.2/30

- sign -0.195+/-0.000 χ^2/NDF : 12438103889.0/30

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 : 105389.9/12

Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

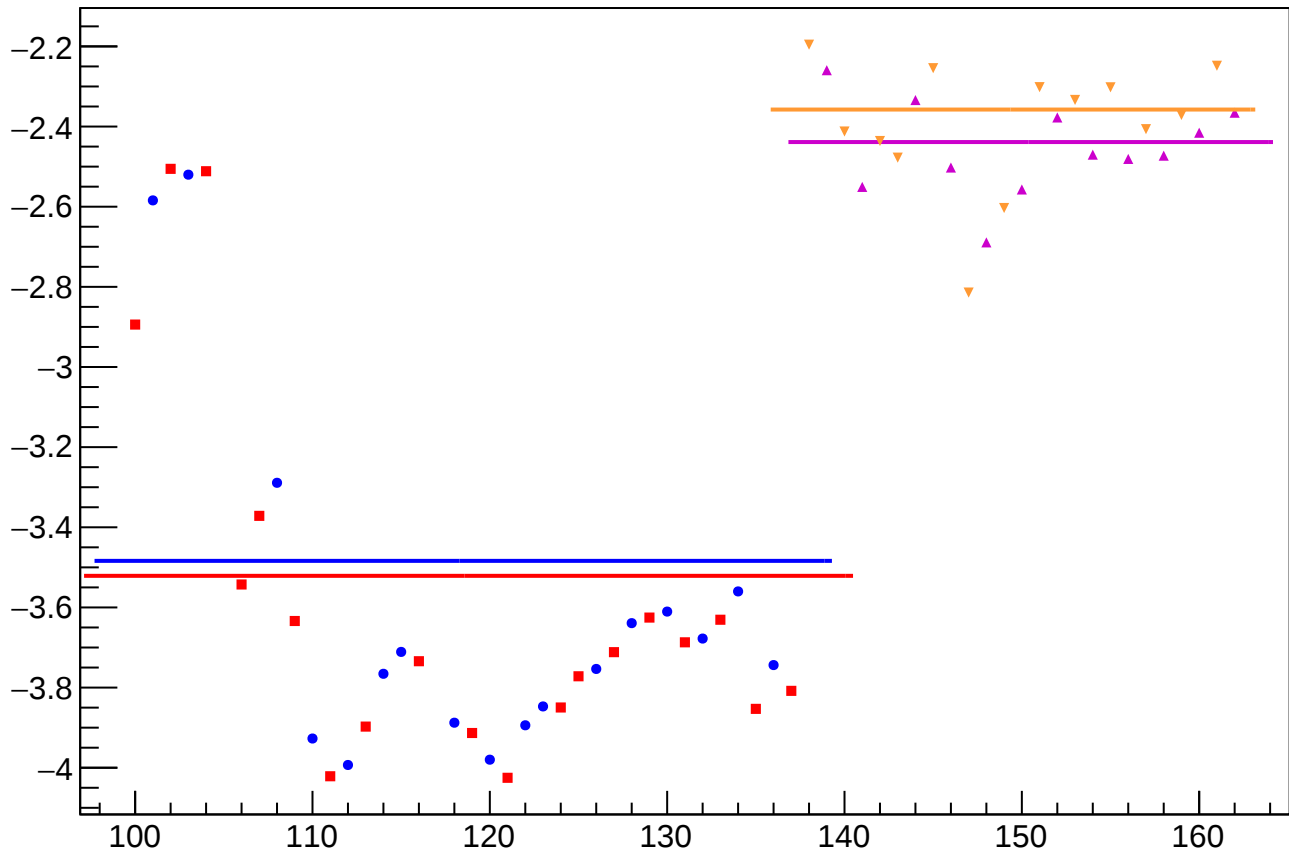
Left In: 0.005+/-0.000 χ^2/NDF : 143886.2/11

+ sign 0.006+/-0.000 χ^2/NDF : 593657.0/29

All: 0.006+/-0.000 χ^2/NDF : 1185437.0/60

- sign 0.006+/-0.000 χ^2/NDF : 591660.5/30

yield_bpm0i02Y_mean vs Slug



Right In: -3.484 $\pm$ 0.000 χ^2 /NDF: 27174302276.9/16

Left Out: -2.358 $\pm$ 0.000 χ^2 /NDF: 1627388254.4/12

+ sign -2.890 $\pm$ 0.000 χ^2 /NDF: 96002477531.4/29

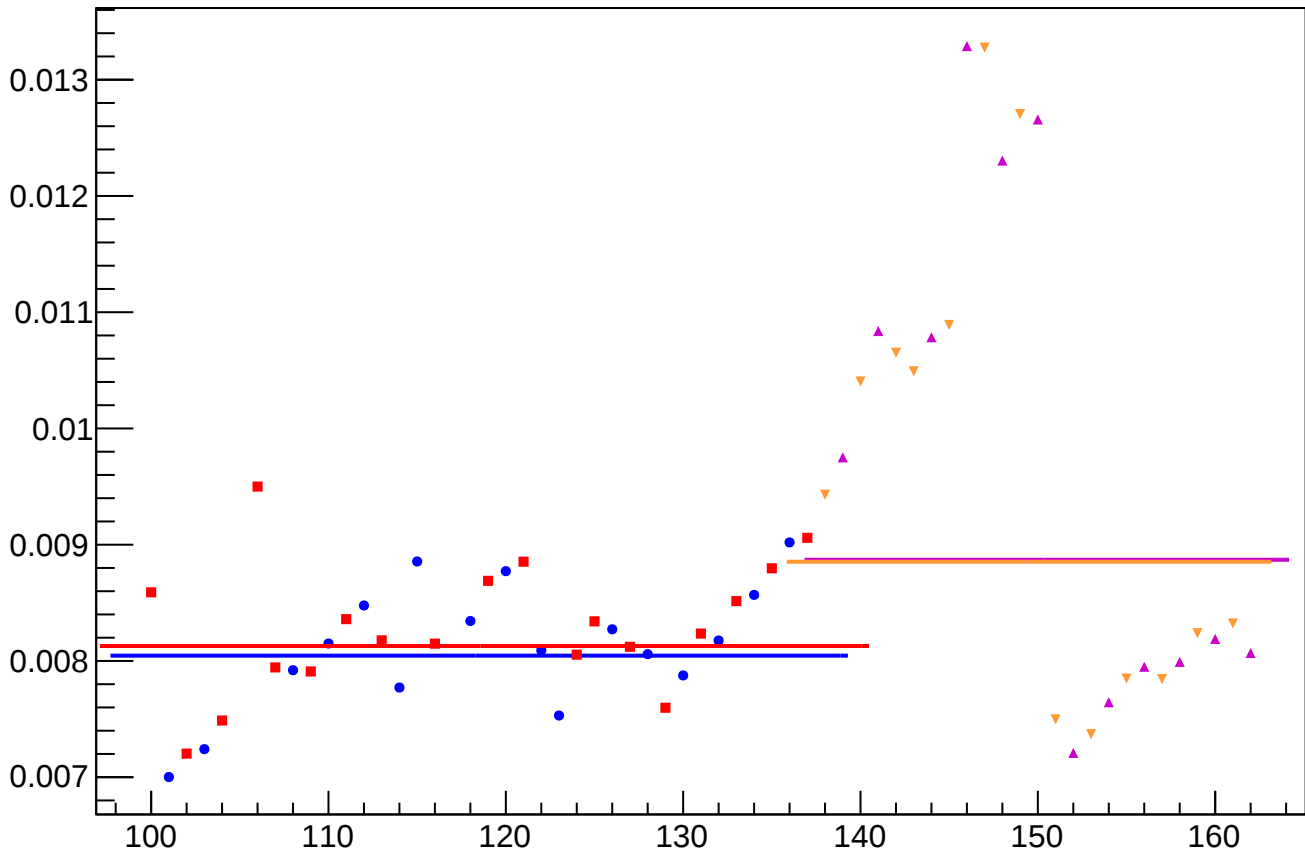
Right Out: -3.521 $\pm$ 0.000 χ^2 /NDF: 26472007419.8/18

All: -2.924 $\pm$ 0.000 χ^2 /NDF: 186408406300.9

Left In: -2.439 $\pm$ 0.000 χ^2 /NDF: 932105661.9/11

- sign -2.958 $\pm$ 0.000 χ^2 /NDF: 89921142935.8/30

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 71989.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 573252.9/12

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

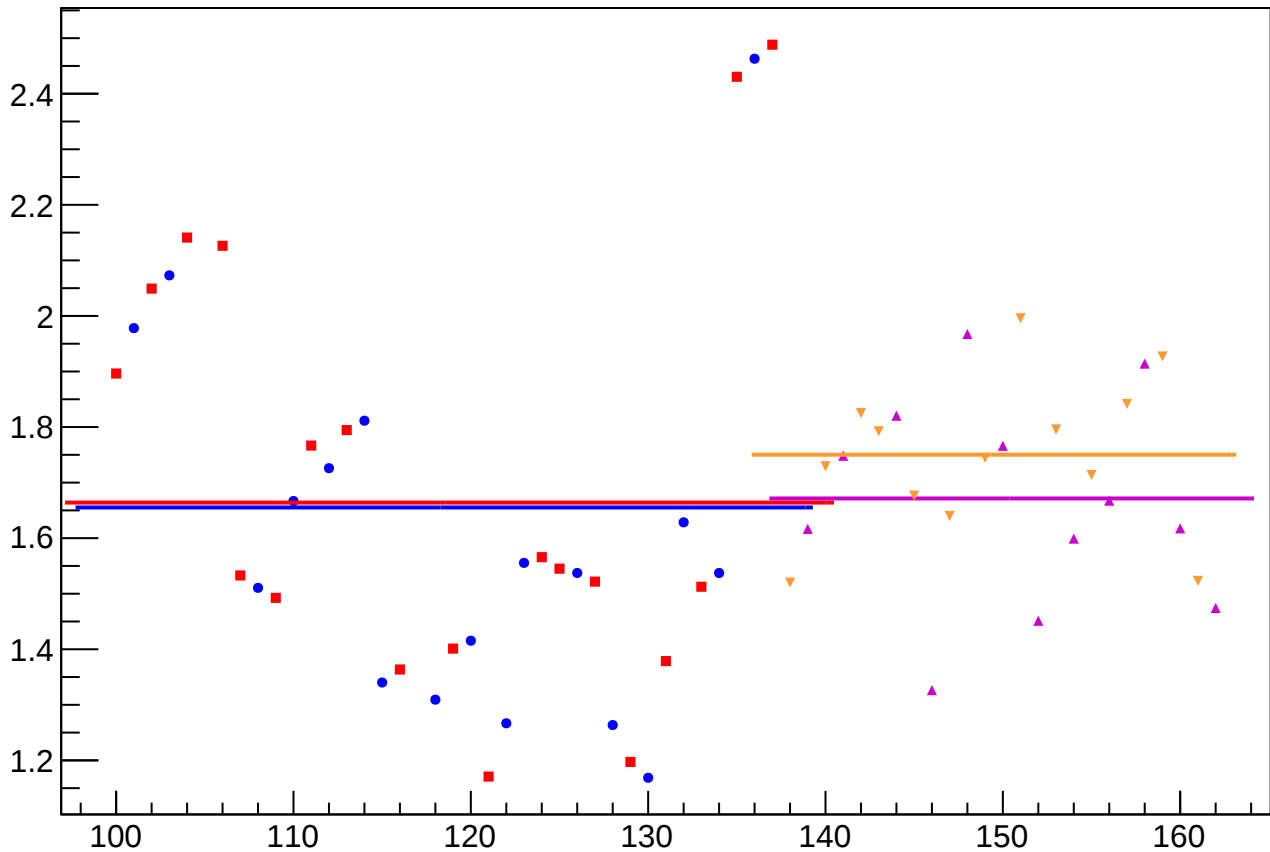
Left In: 0.009+/-0.000 χ^2/NDF : 683865.7/11

+ sign 0.008+/-0.000 χ^2/NDF : 714436.0/29

All: 0.008+/-0.000 χ^2/NDF : 1514905.5/60

- sign 0.009+/-0.000 χ^2/NDF : 800063.8/30

yield_bpm0i02aX_mean vs Slug



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.750+/-0.000 χ^2/NDF : 1493516192.7/12

Right Out: 1.664+/-0.000 χ^2/NDF : 5944262279.7/18

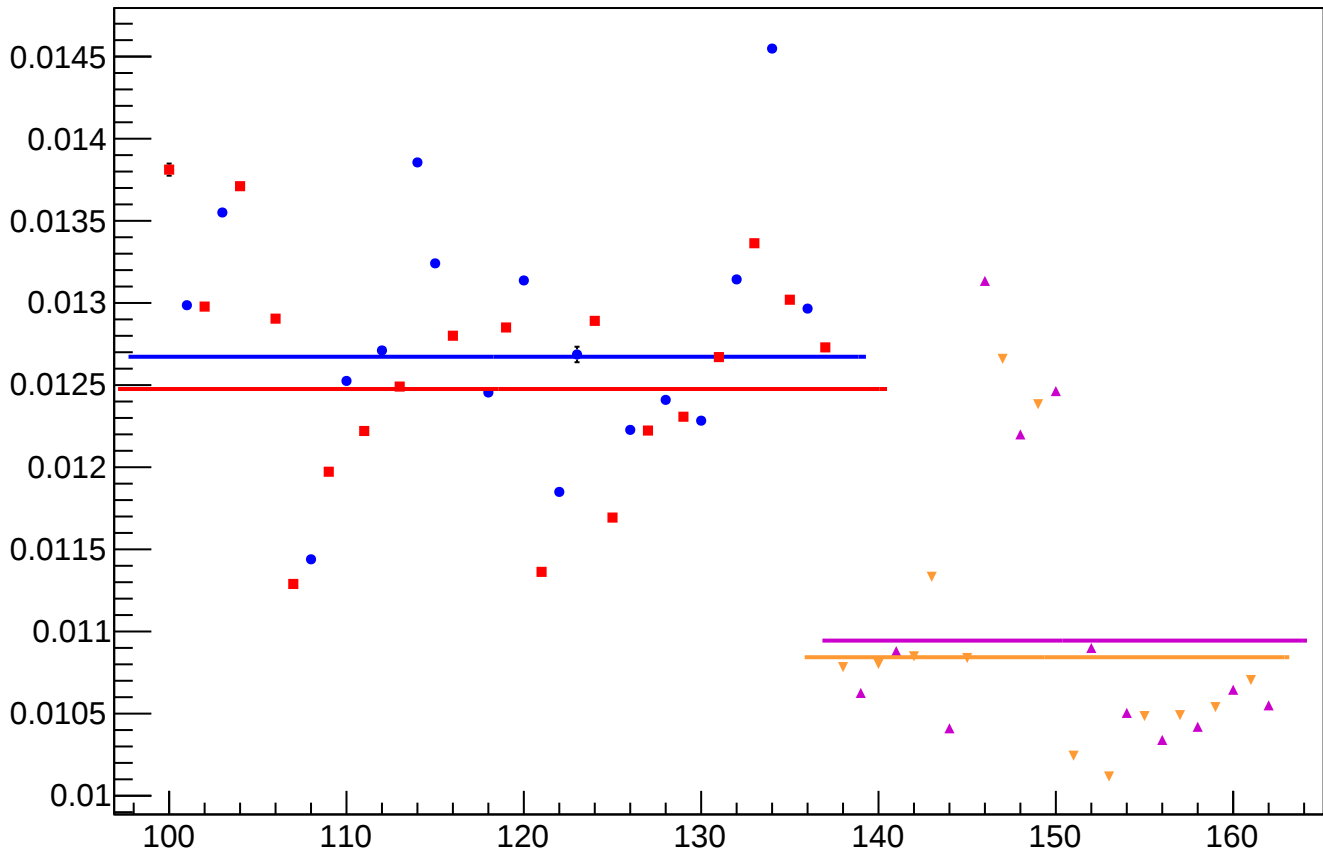
Left In: 1.671+/-0.000 χ^2/NDF : 2242039907.4/11

+ sign 1.718+/-0.000 χ^2/NDF : 8212245349.7/29

All: 1.693+/-0.000 χ^2/NDF : 16543804358.0/6

- sign 1.669+/-0.000 χ^2/NDF : 8187819231.4/30

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: 72754.7/12

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 39134.8/18

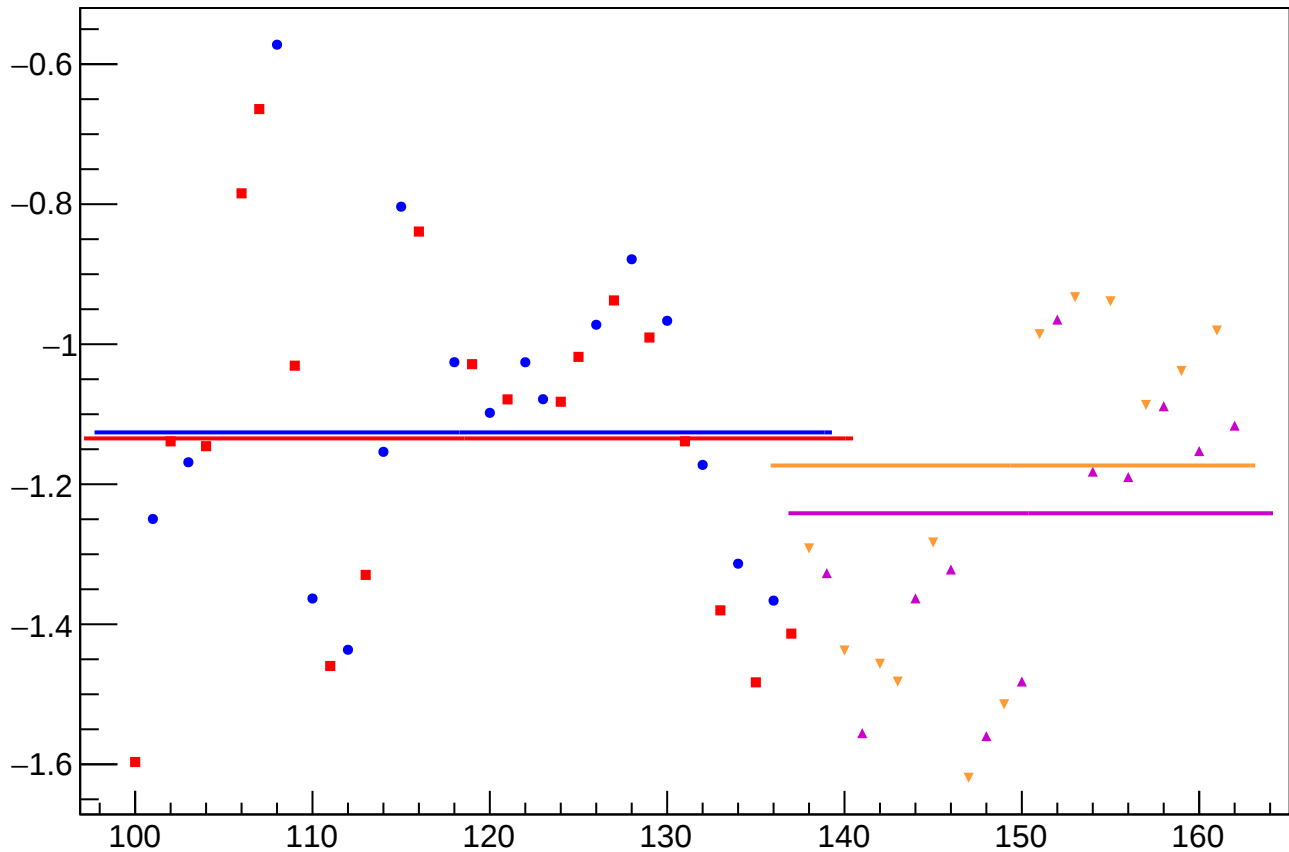
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98589.1/11

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 284350.6/29

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 553529.2/60

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 269002.6/30

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.173+/-0.000 χ^2/NDF : 6937774297.2/12

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

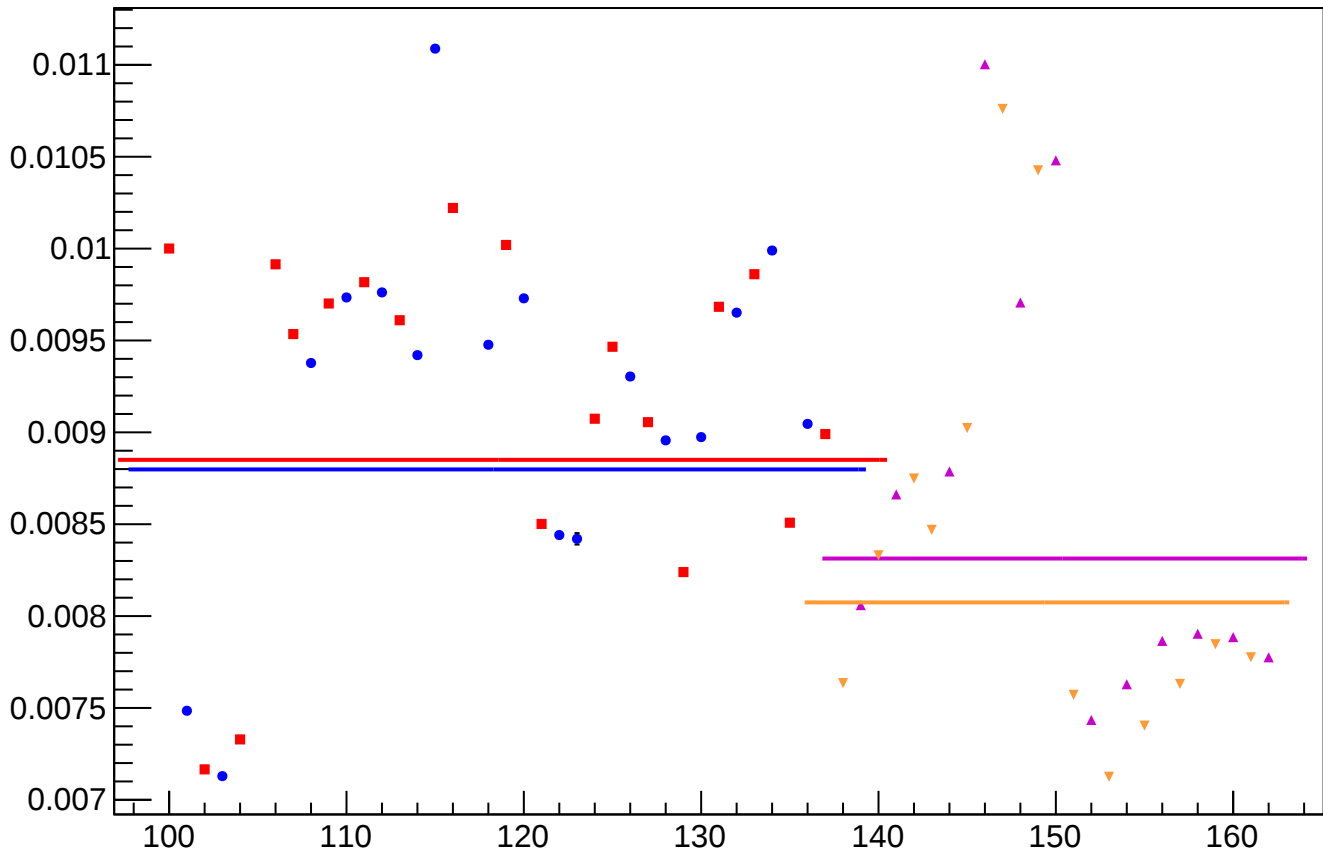
Left In: -1.241+/-0.000 χ^2/NDF : 4212465839.2/11

+ sign -1.155+/-0.000 χ^2/NDF : 10626761168.9/29

All: -1.177+/-0.000 χ^2/NDF : 19305311617.4/47

- sign -1.199+/-0.000 χ^2/NDF : 8472489047.4/30

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:227397.2/12

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 173958.0/18

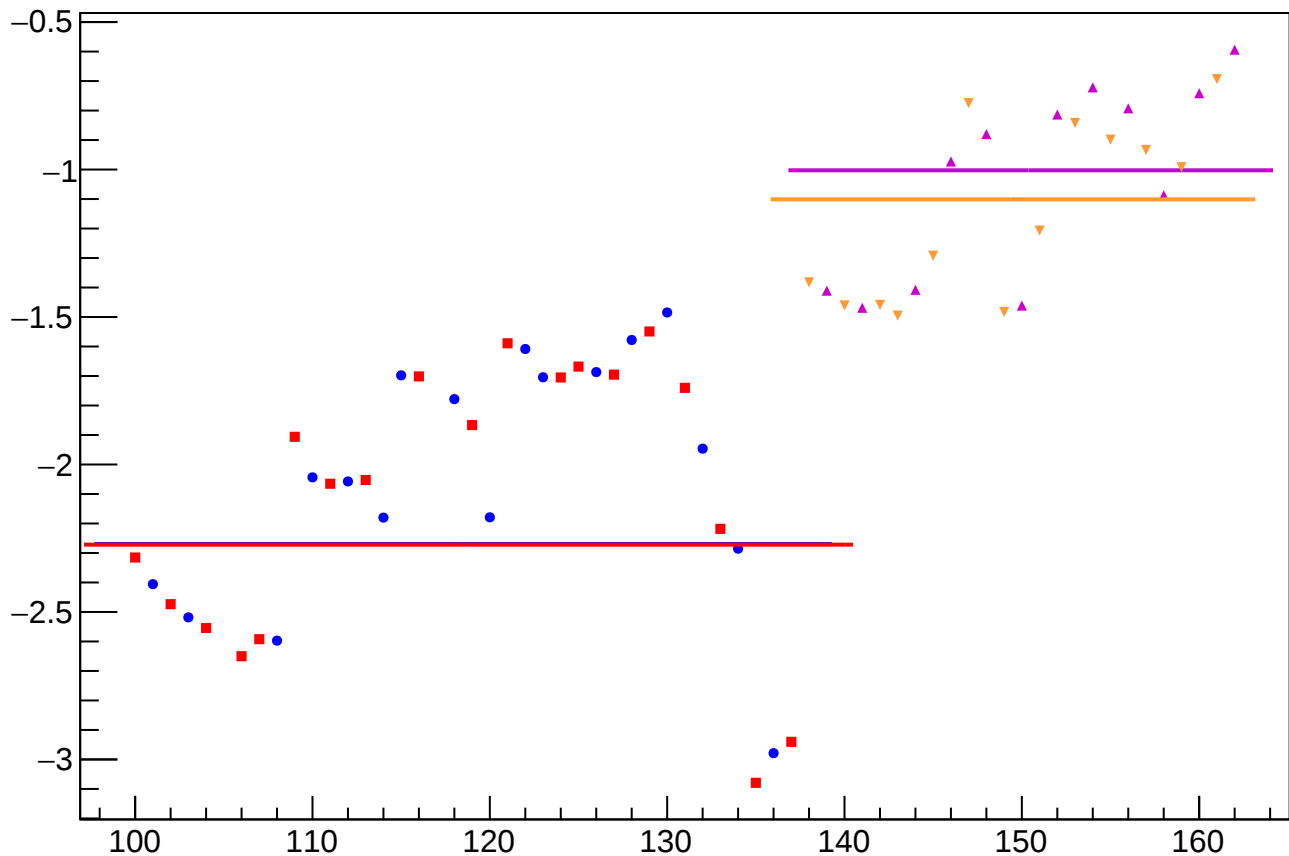
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:228581.7/11

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 432559.9/29

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 871283.3/60

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 431962.1/30

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.101+/-0.000 χ^2/NDF : 14592810217.3/12

Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

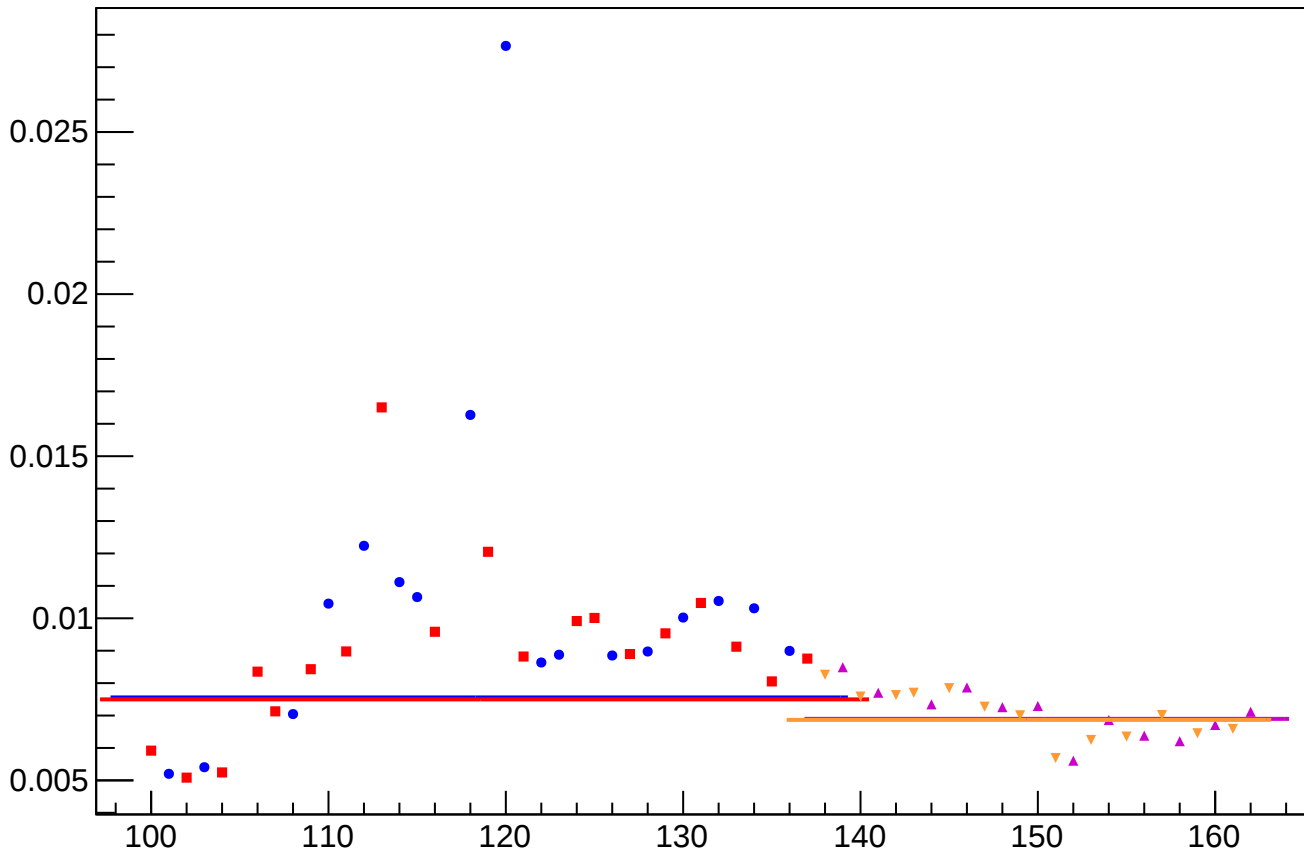
Left In: -1.003+/-0.000 χ^2/NDF : 16850611578.1/11

+ sign -1.477+/-0.000 χ^2/NDF : 113643195071.1/29

All: -1.460+/-0.000 χ^2/NDF : 254202425646.9

- sign -1.444+/-0.000 χ^2/NDF : 140412055178.1/30

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :189683.6/12

Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

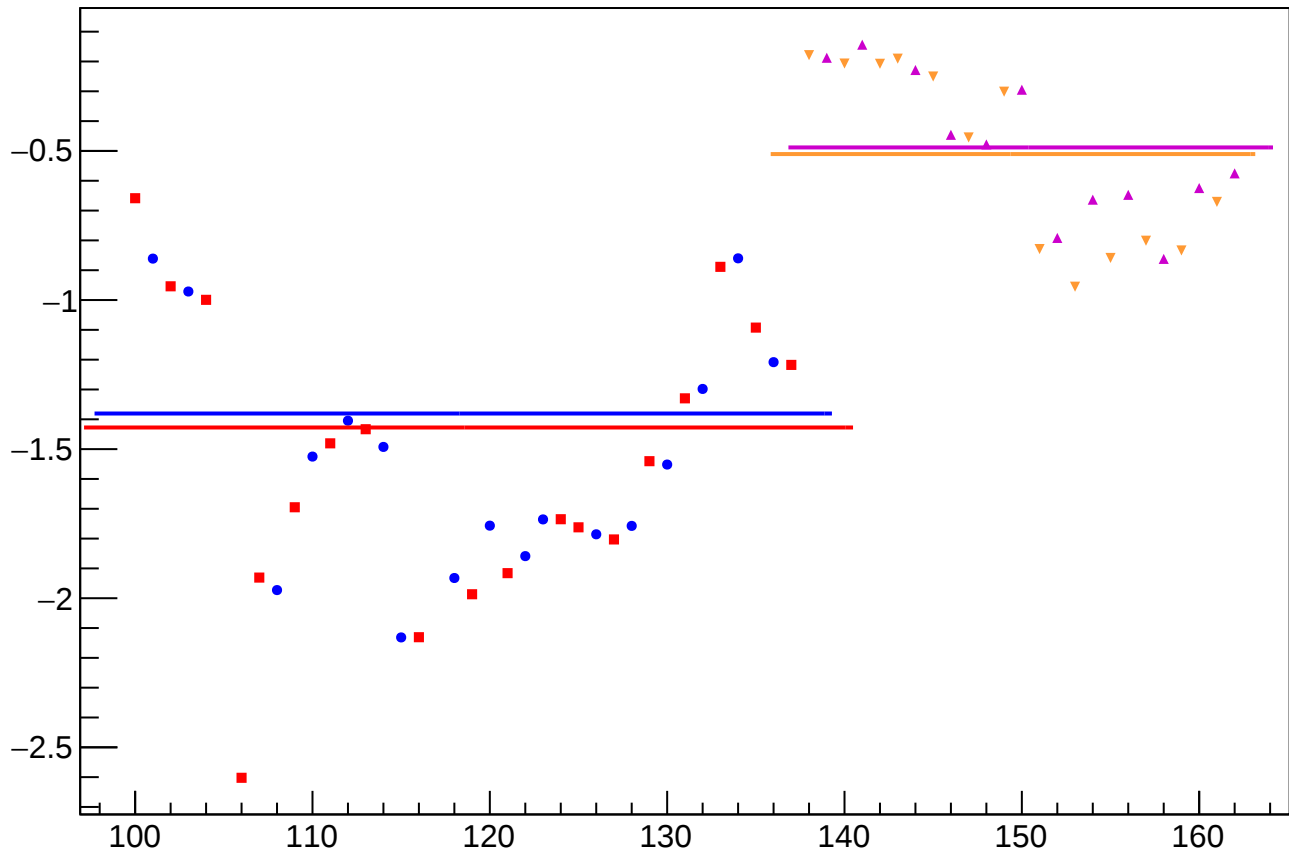
Left In: 0.007+/-0.000 χ^2/NDF :210495.3/11

+ sign 0.007+/-0.000 χ^2/NDF : 1467967.0/29

All: 0.007+/-0.000 χ^2/NDF : 2659402.0/60

- sign 0.007+/-0.000 χ^2/NDF : 1191340.6/30

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.510+/-0.000 χ^2/NDF : 43887253270.8/12

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

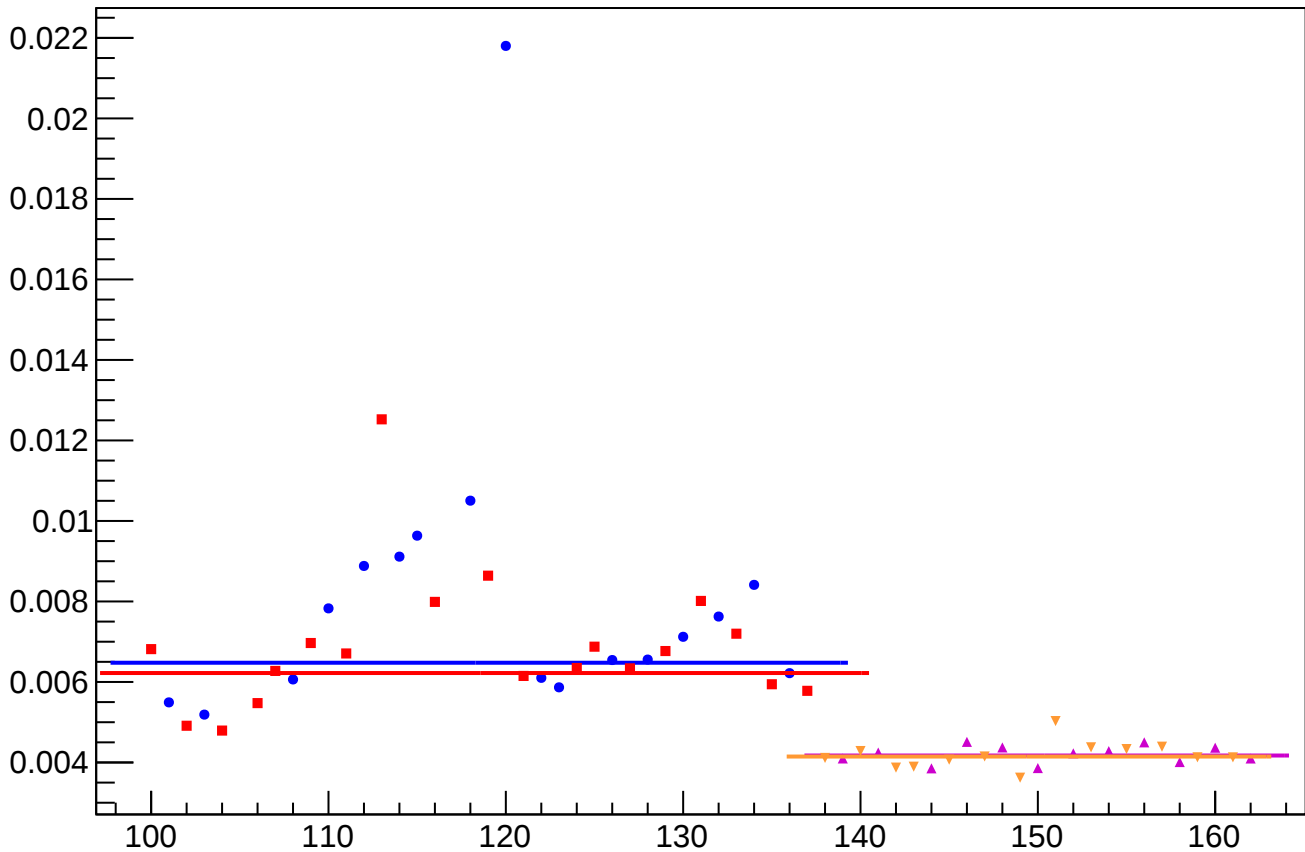
Left In: -0.488+/-0.000 χ^2/NDF : 28021783113.0/11

+ sign -0.688+/-0.000 χ^2/NDF : 142101884840.1/29

All: -0.697+/-0.000 χ^2/NDF : 302790606676.4

- sign -0.706+/-0.000 χ^2/NDF : 160587687945.5/30

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 :87303.6/12

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

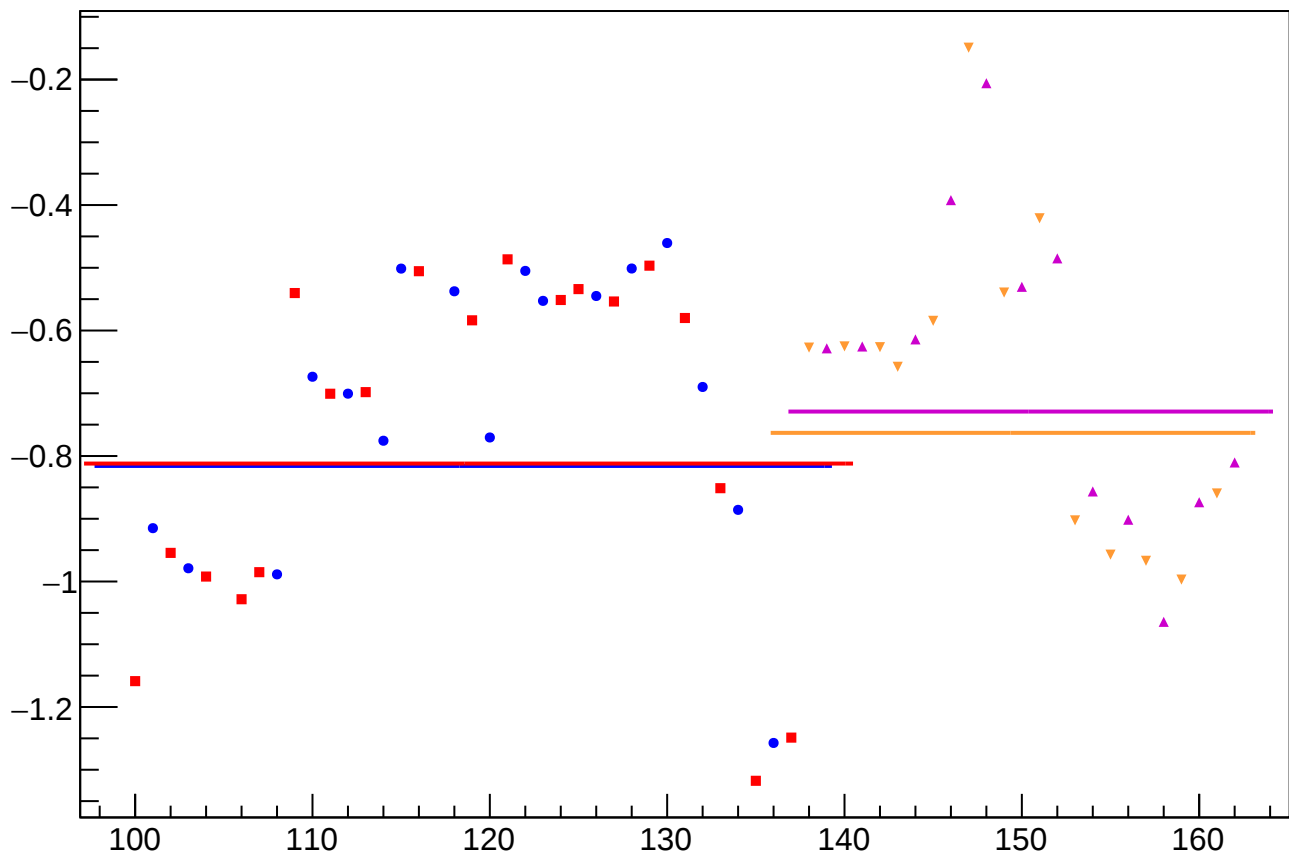
Left In: 0.004+/-0.000 χ^2/NDF :46624.2/11

+ sign 0.005+/-0.000 χ^2/NDF : 1782062.5/29

All: 0.005+/-0.000 χ^2/NDF : 3232748.7/60

- sign 0.005+/-0.000 χ^2/NDF : 1450302.1/30

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2 /NDF: 14172884795.2/16

Left Out: -0.763+/-0.000 χ^2 /NDF: 24485666015.6/12

Right Out: -0.812+/-0.000 χ^2 /NDF: 16815852448.9/18

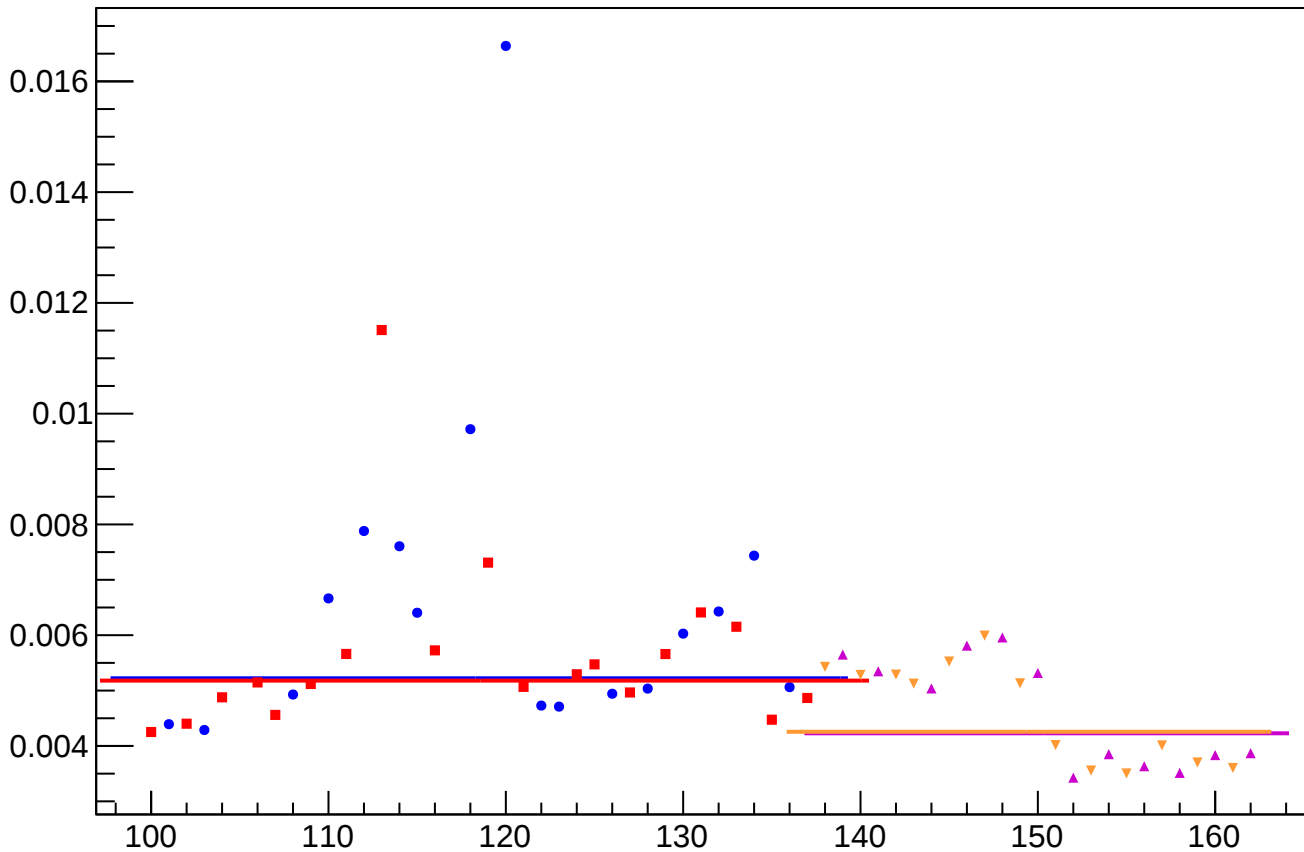
Left In: -0.729+/-0.000 χ^2 /NDF: 24933776564.3/11

+ sign -0.779+/-0.000 χ^2 /NDF: 39043200029.6/29

All: -0.767+/-0.000 χ^2 /NDF: 82022340612.0/30

- sign -0.755+/-0.000 χ^2 /NDF: 42792105733.6/30

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 : 635949.6/12

Right Out: 0.005+/-0.000 χ^2/NDF : 363781.3/18

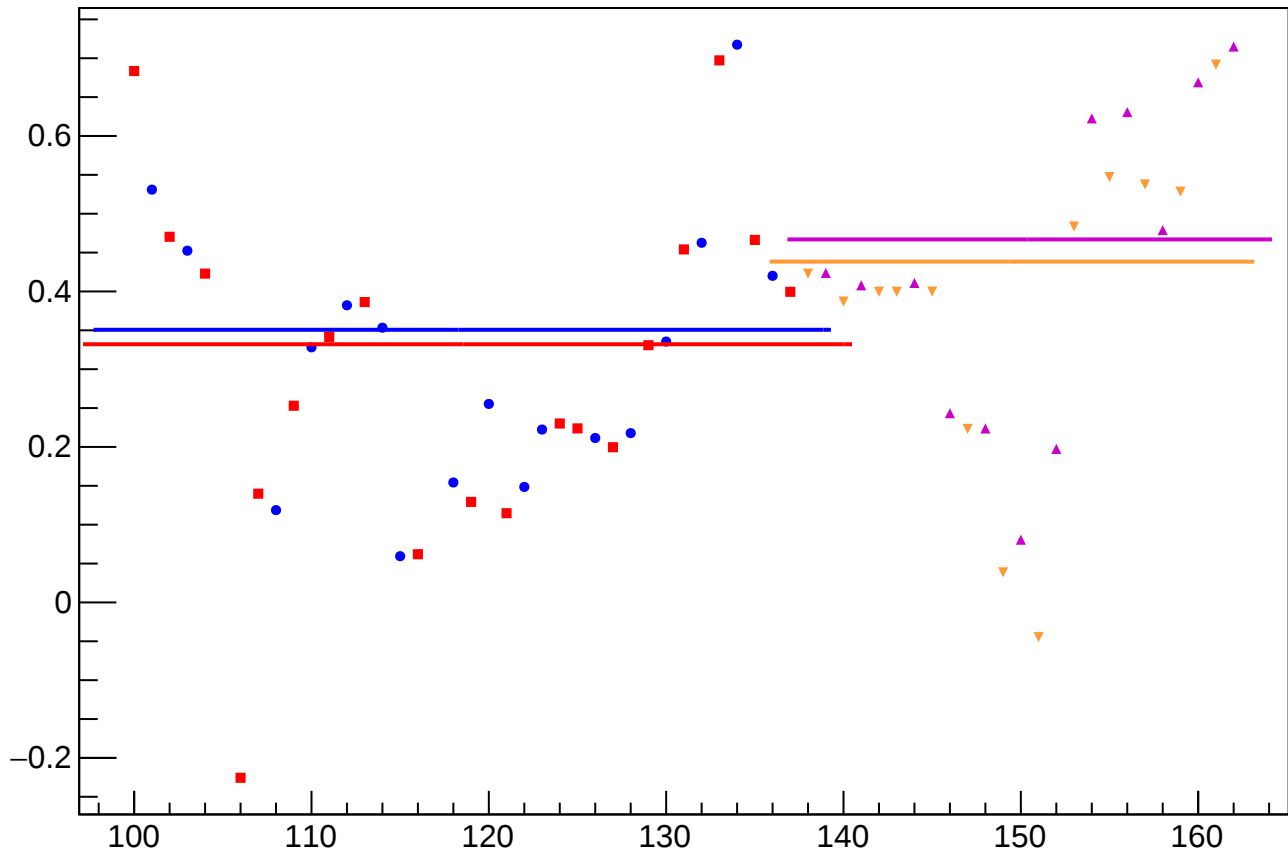
Left In: 0.004+/-0.000 χ^2/NDF : 718777.6/11

+ sign 0.005+/-0.000 χ^2/NDF : 1558562.9/29

All: 0.005+/-0.000 χ^2/NDF : 2915938.0/60

- sign 0.005+/-0.000 χ^2/NDF : 1357276.5/30

yield_bpm0i07Y_mean vs Slug



Right In: 0.351 $\pm$ 0.000 χ^2 /NDF: 7410859446.3/16

Left Out: 0.438 $\pm$ 0.000 χ^2 /NDF:25099269200.9/12

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 11796213425.9/18

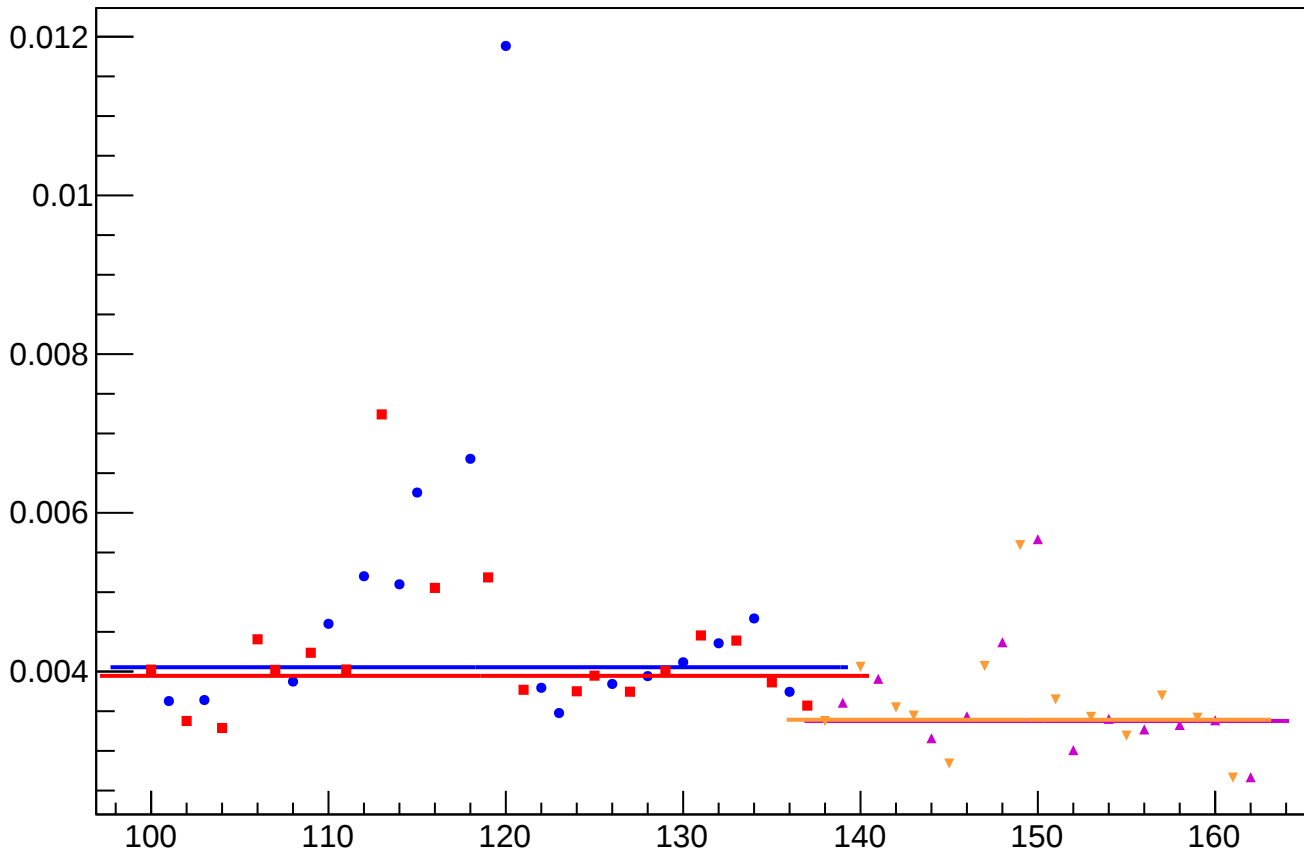
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF:27075244894.4/11

+ sign 0.410 $\pm$ 0.000 χ^2 /NDF: 34300799916.2/29

All: 0.415 $\pm$ 0.000 χ^2 /NDF: 77868472380.5/6

- sign 0.420 $\pm$ 0.000 χ^2 /NDF: 43512991982.3/30

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: 468176.5/12

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

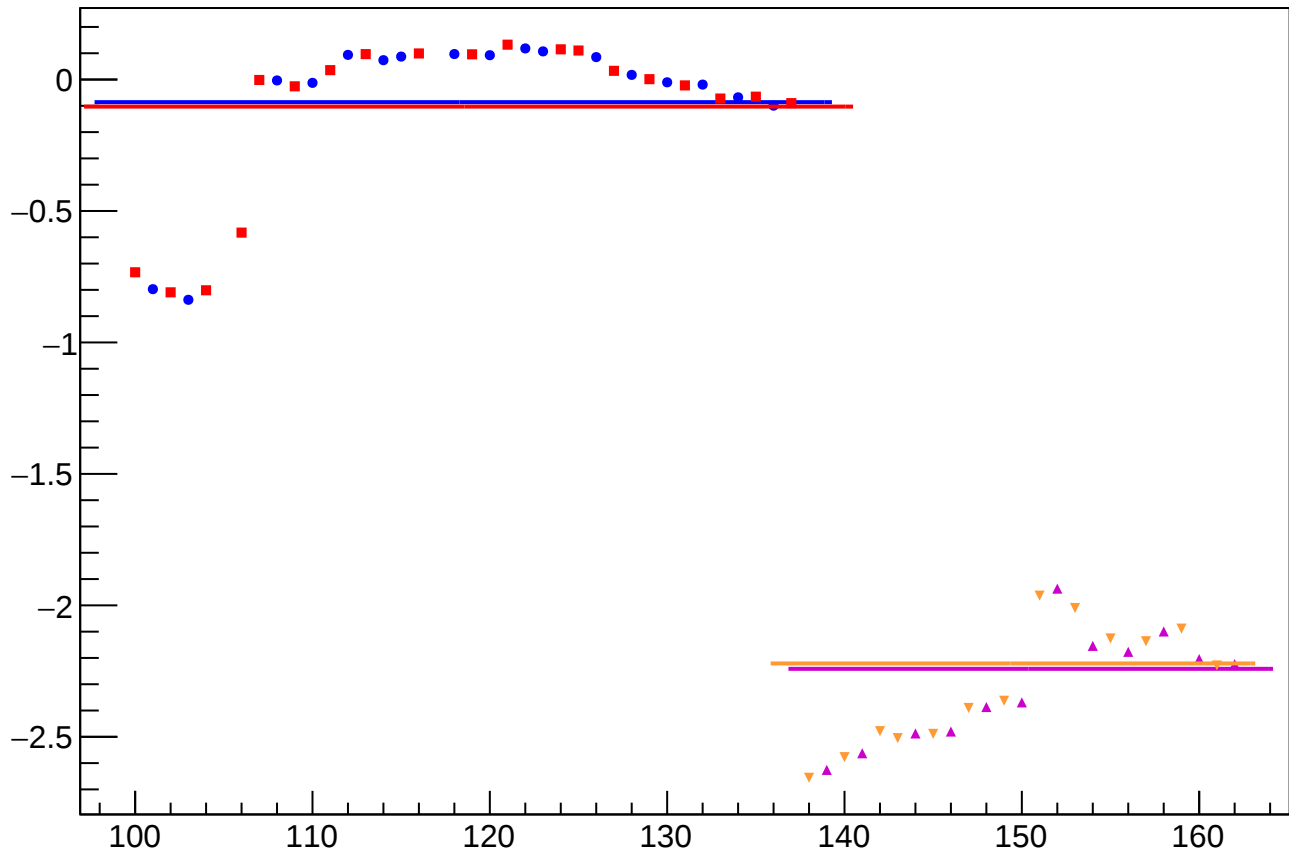
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 482315.4/11

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1127402.7/29

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2036961.8/60

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 908352.2/30

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -0.221+/-0.000 χ^2/NDF : 3413389267.6/12

Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

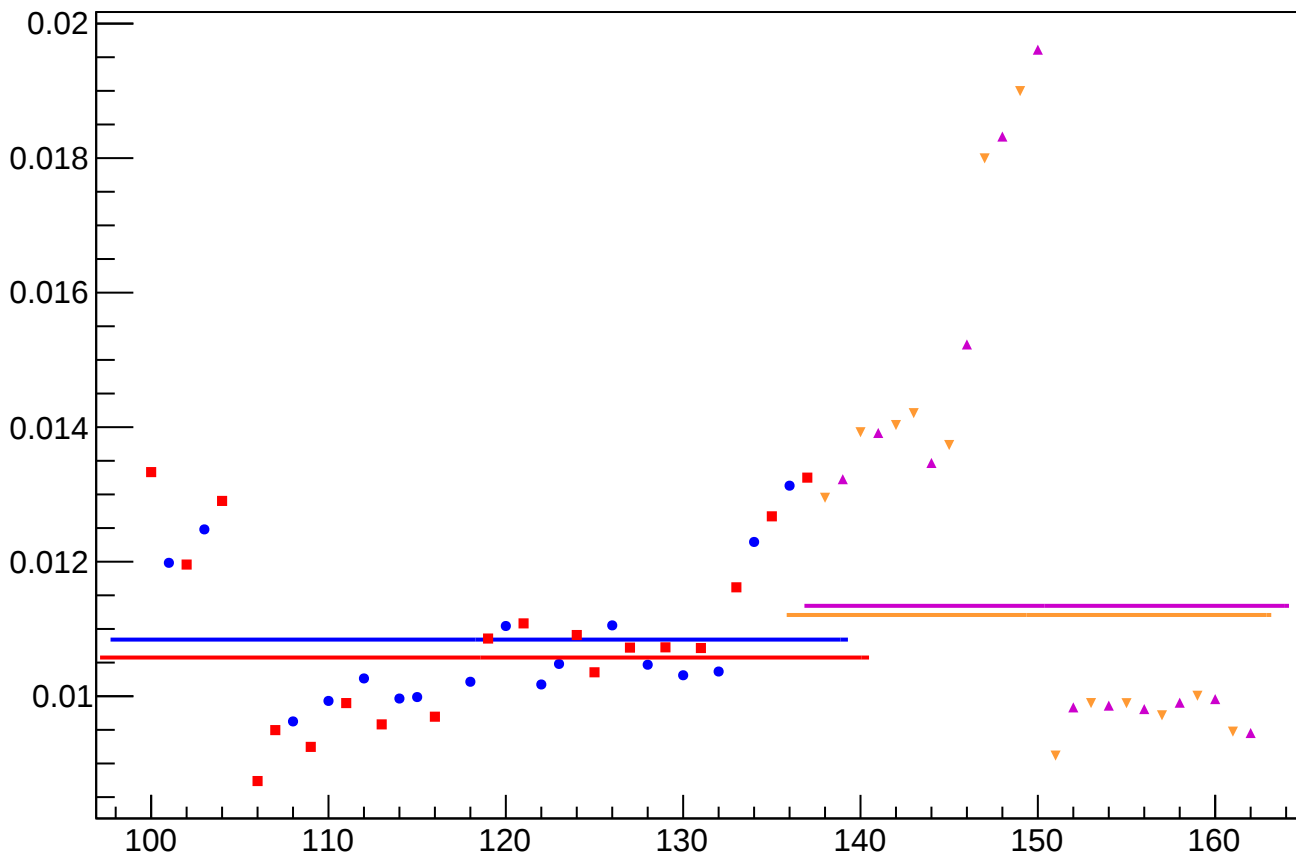
Left In: -2.241+/-0.000 χ^2/NDF : 2662205564.9/11

+ sign -1.292+/-0.000 χ^2/NDF : 153751045258.4/29

All: -1.265+/-0.000 χ^2/NDF : 314492594074.8

- sign -1.239+/-0.000 χ^2/NDF : 160558146415.5/30

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 : 972528.4/12

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

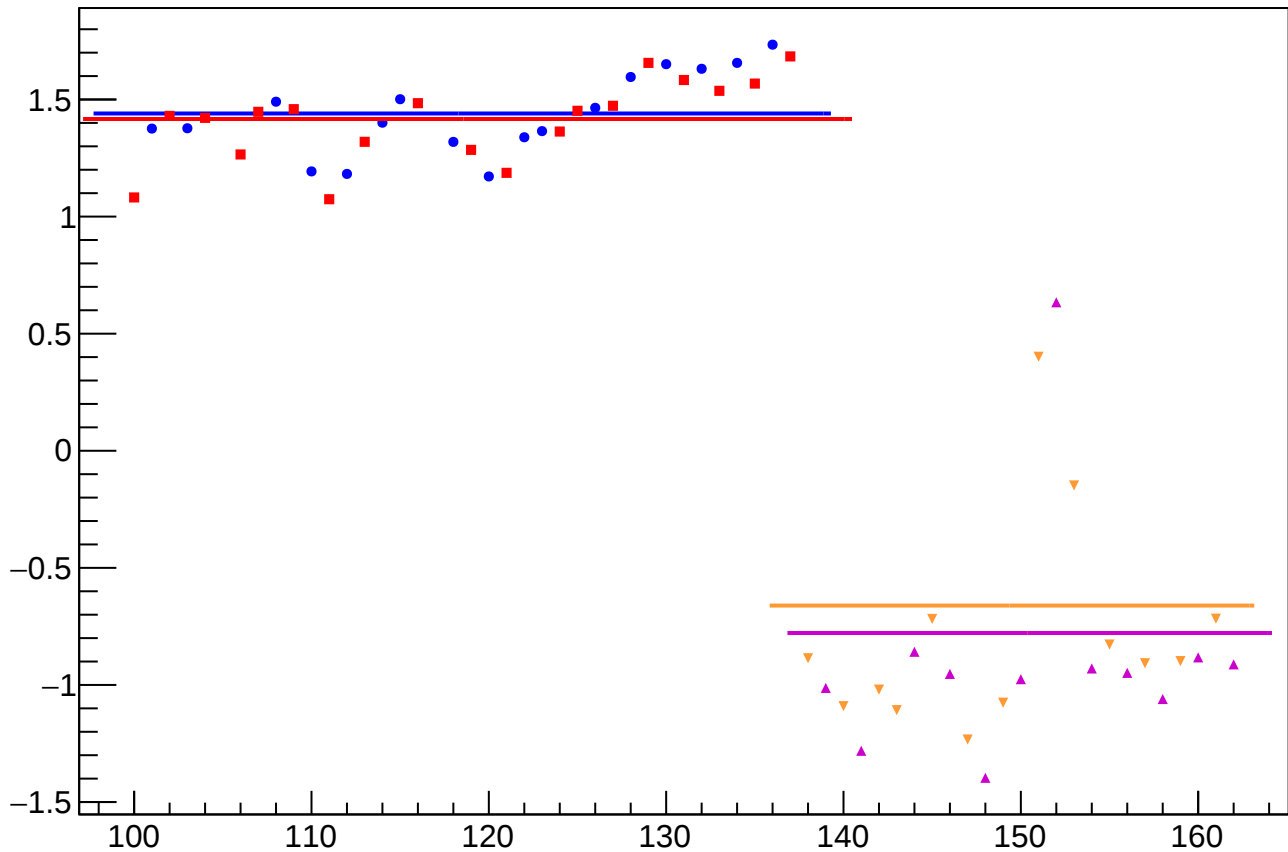
Left In: 0.011+/-0.000 χ^2/NDF : 1012879.5/11

+ sign 0.011+/-0.000 χ^2/NDF : 1105331.6/29

All: 0.011+/-0.000 χ^2/NDF : 2337099.7/60

- sign 0.011+/-0.000 χ^2/NDF : 1231211.7/30

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.661 $\pm$ 0.000 χ^2 /NDF: 29237153797.9/12

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

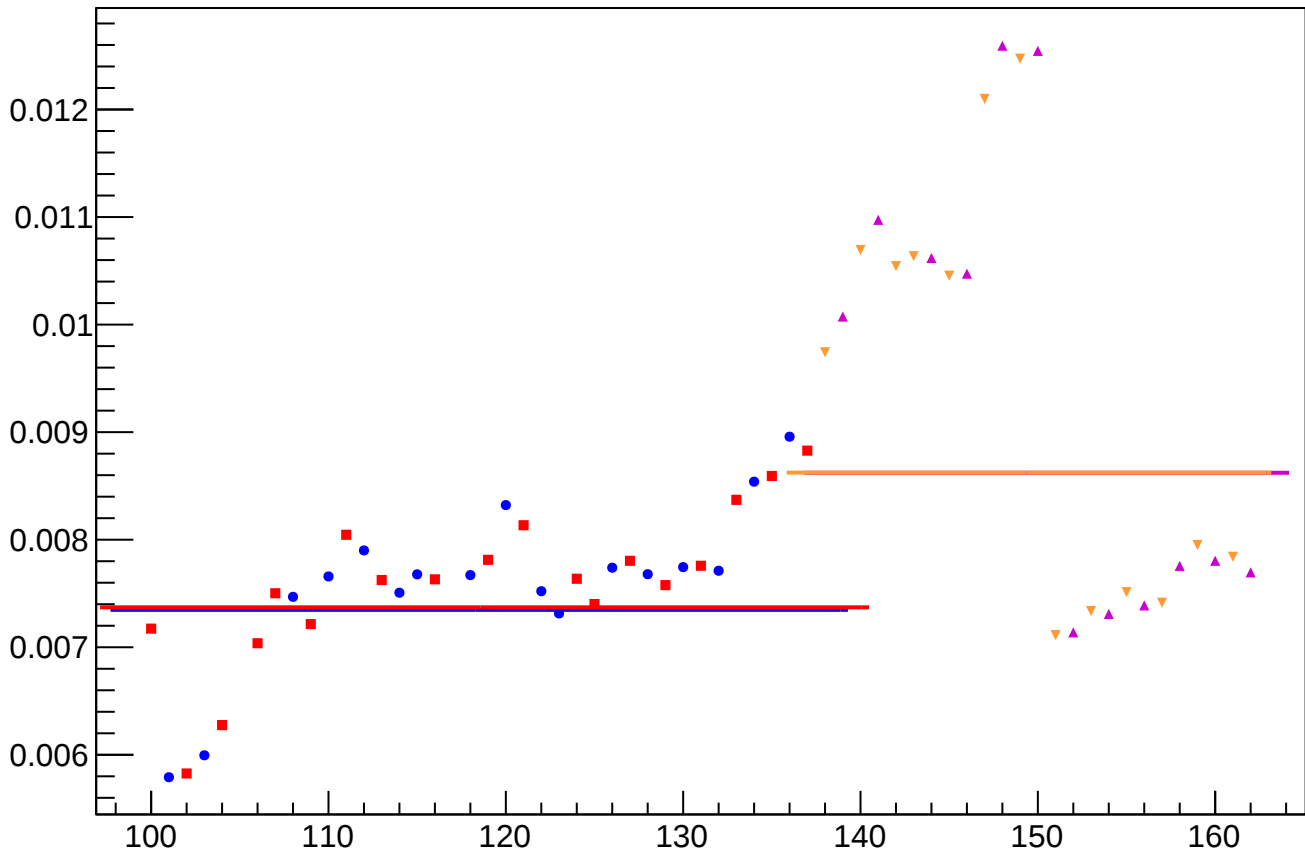
Left In: -0.778 $\pm$ 0.000 χ^2 /NDF: 39121200467.4/11

+ sign 0.374 $\pm$ 0.000 χ^2 /NDF: 306035498395.3/29

All: 0.356 $\pm$ 0.000 χ^2 /NDF: 653802174451.0

- sign 0.338 $\pm$ 0.000 χ^2 /NDF: 347599763306.9/30

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.009+/-0.000 χ^2/NDF : 705110.0/12

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

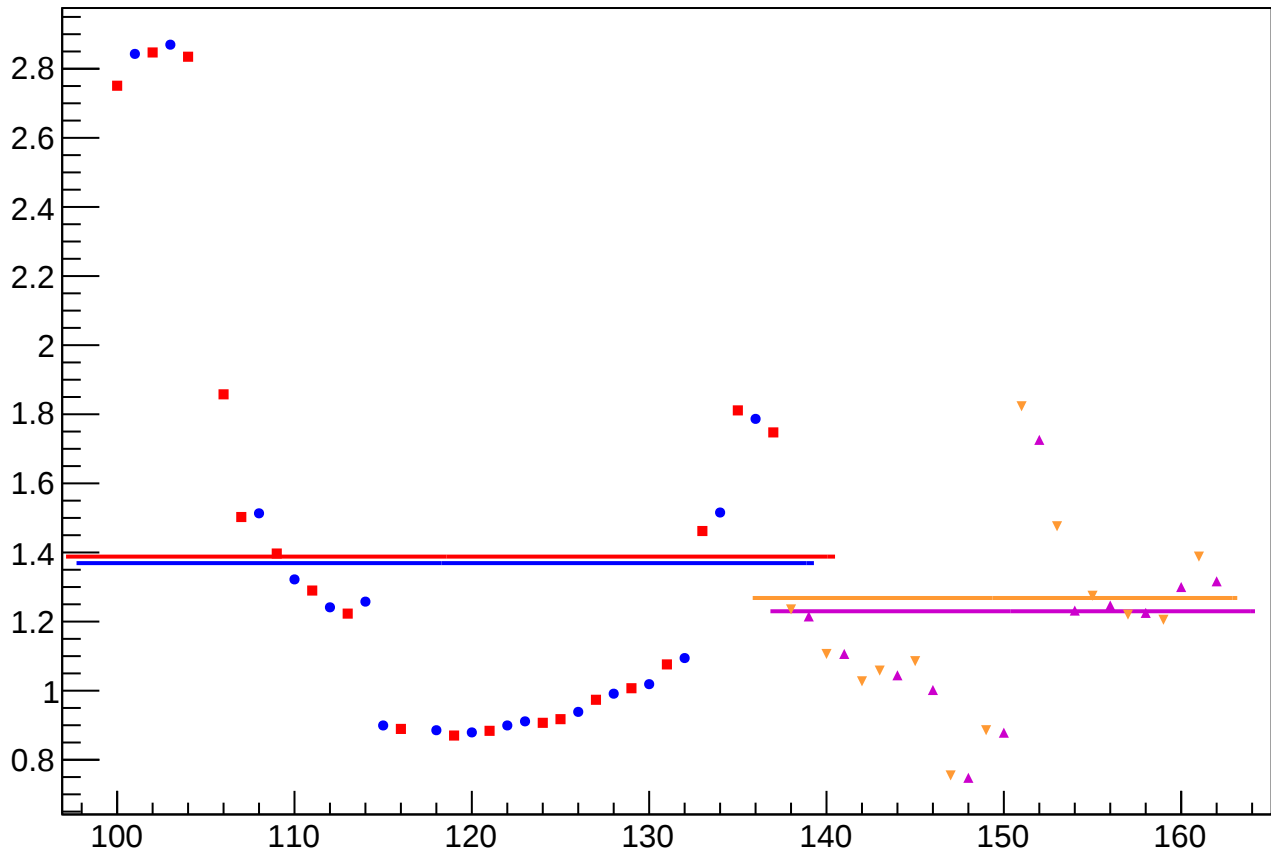
Left In: 0.009+/-0.000 χ^2/NDF : 773442.9/11

+ sign 0.008+/-0.000 χ^2/NDF : 1134919.0/29

All: 0.008+/-0.000 χ^2/NDF : 2279779.5/60

- sign 0.008+/-0.000 χ^2/NDF : 1144840.1/30

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.268+/-0.000 χ^2/NDF : 8956245476.6/12

Right Out: 1.388+/-0.000 χ^2/NDF : 49900245868.0/18

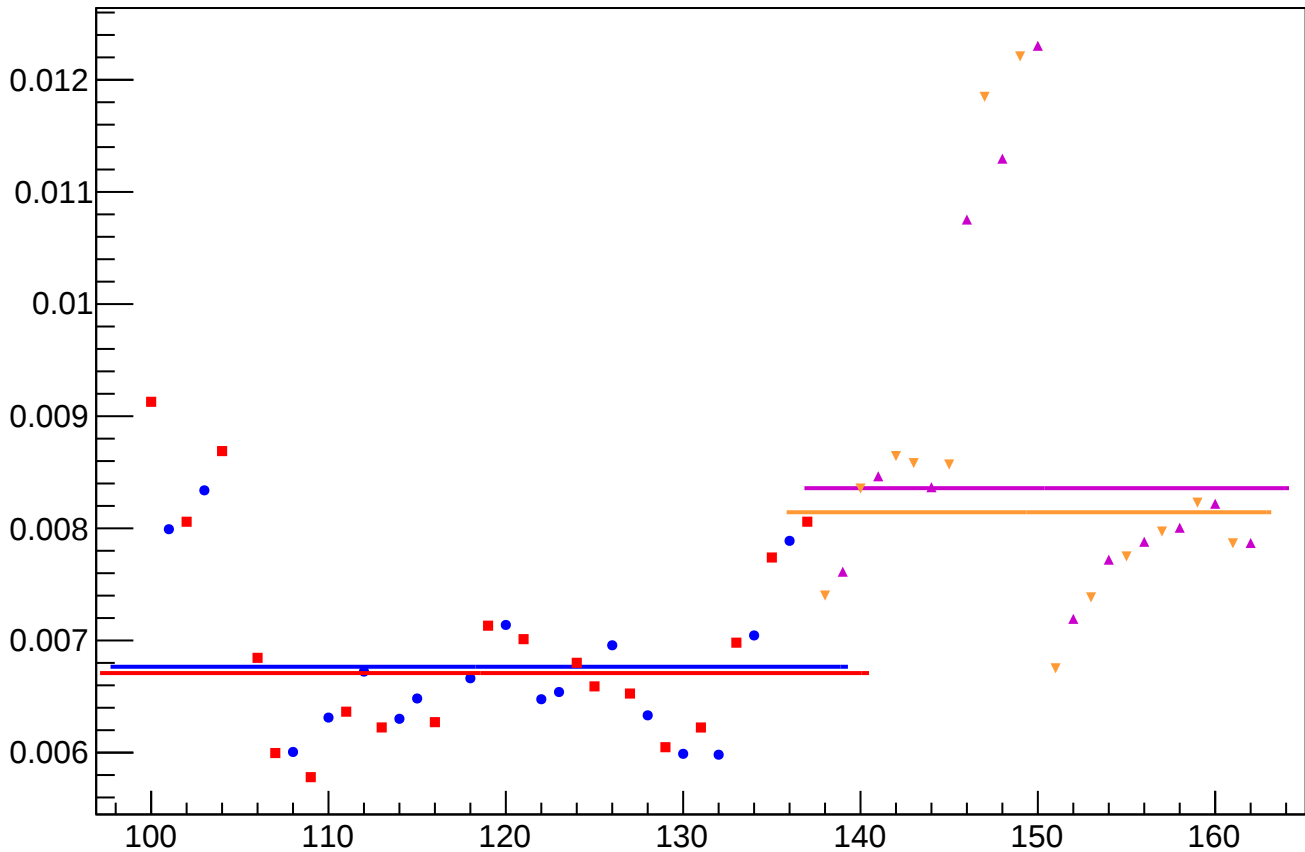
Left In: 1.230+/-0.000 χ^2/NDF : 7004840717.9/11

+ sign 1.320+/-0.000 χ^2/NDF : 63881244273.9/29

All: 1.318+/-0.000 χ^2/NDF : 122574081137.4

- sign 1.315+/-0.000 χ^2/NDF : 58690125623.9/30

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 407462.0/12

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

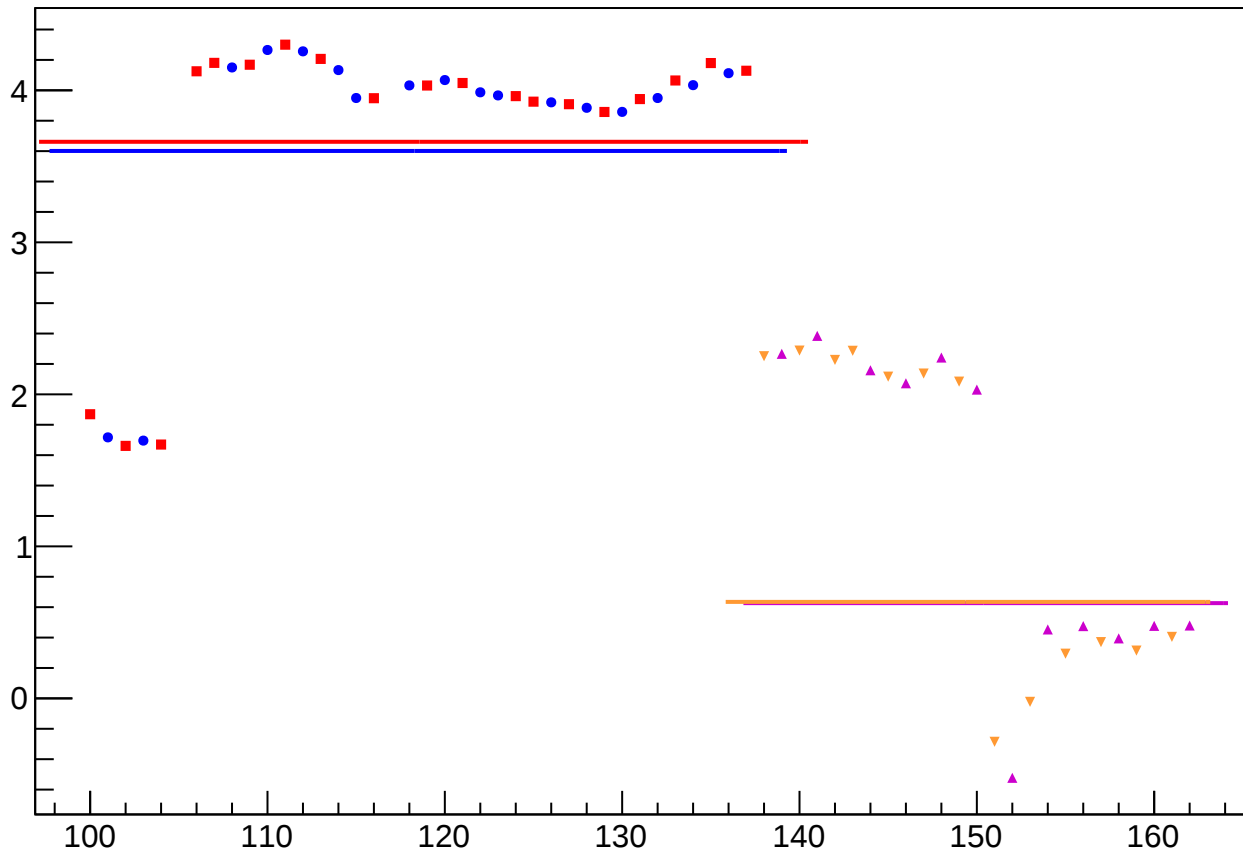
Left In: 0.008+/-0.000 χ^2/NDF : 420282.9/11

+ sign 0.007+/-0.000 χ^2/NDF : 835294.2/29

All: 0.007+/-0.000 χ^2/NDF : 1831554.7/60

- sign 0.007+/-0.000 χ^2/NDF : 996062.7/30

yield_bpm1i04Y_mean vs Slug



Right In: 3.601 $\pm$ 0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.635 $\pm$ 0.000 χ^2/NDF : 254503107654.1/12

Right Out: 3.661 $\pm$ 0.000 χ^2/NDF : 192519897222.5/18

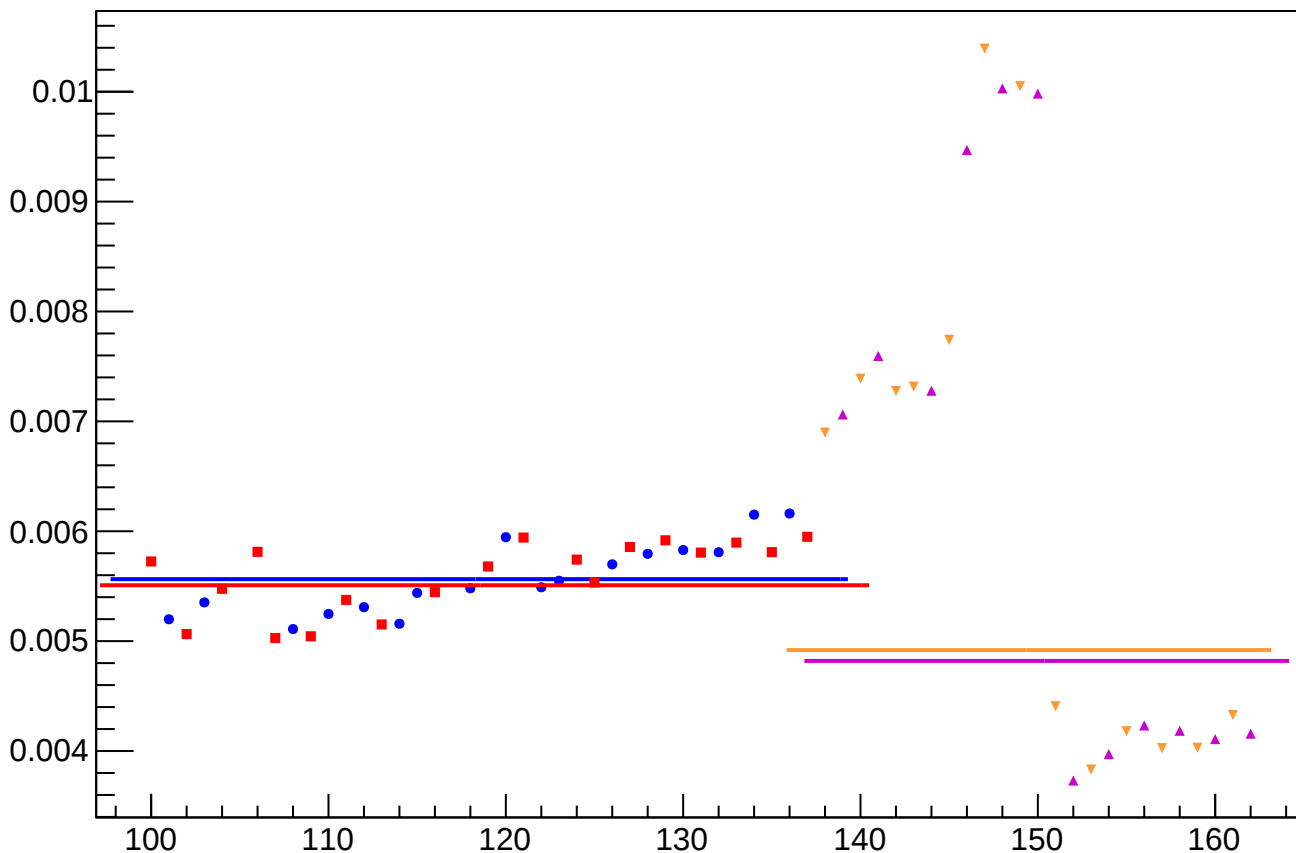
Left In: 0.627 $\pm$ 0.000 χ^2/NDF : 251807426157.4/11

+ sign 1.780 $\pm$ 0.000 χ^2/NDF : 1606877611037.2/29

All: 1.799 $\pm$ 0.000 χ^2/NDF : 3335232569929.7/30

- sign 1.816 $\pm$ 0.000 χ^2/NDF : 1727973509841.7/30

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 :1836875.9/12

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

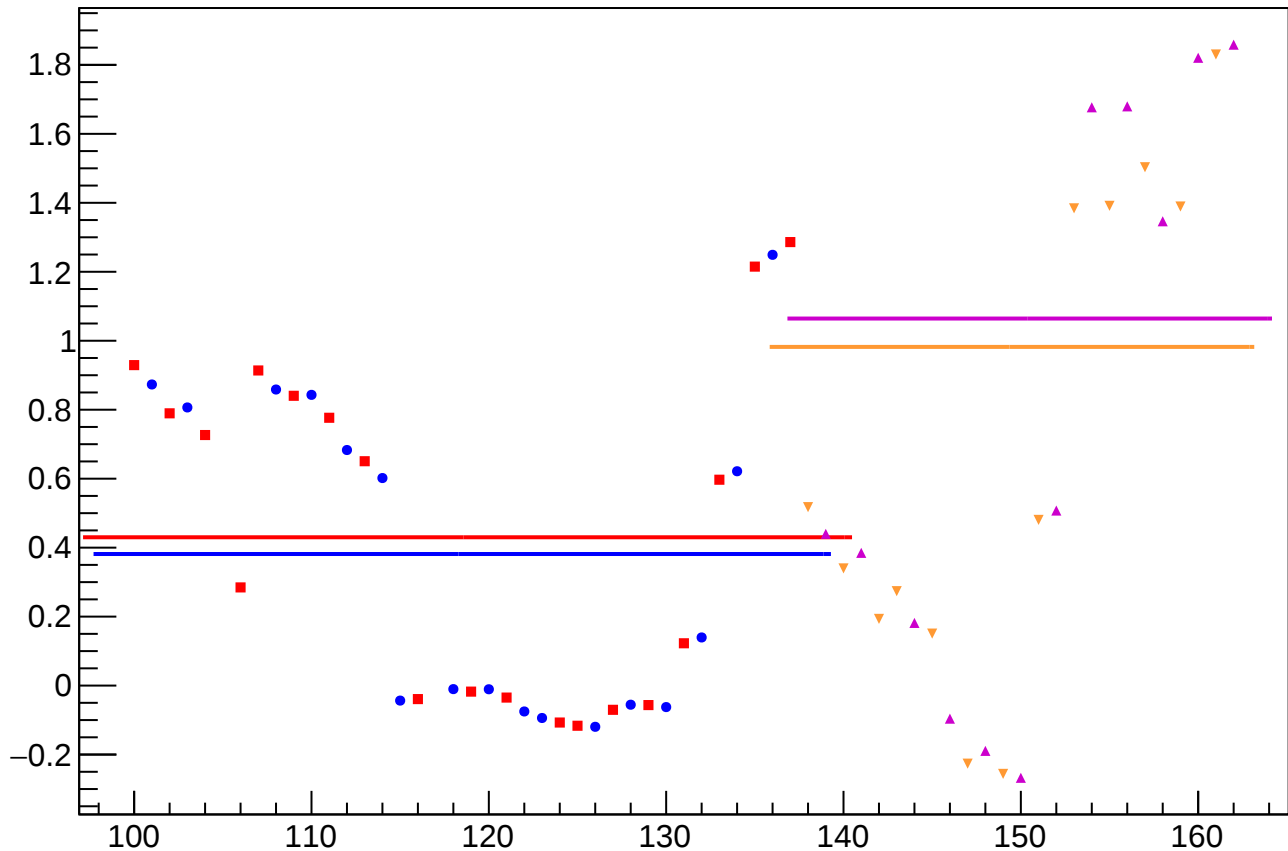
Left In: 0.005+/-0.000 χ^2/NDF :2057990.0/11

+ sign 0.005+/-0.000 χ^2/NDF : 1994882.2/29

All: 0.005+/-0.000 χ^2/NDF : 4241138.3/60

- sign 0.005+/-0.000 χ^2/NDF : 2242780.6/30

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.982+/-0.000 χ^2/NDF : 26917881989.3/12

Right Out: 0.430+/-0.000 χ^2/NDF : 6676199135.9/18

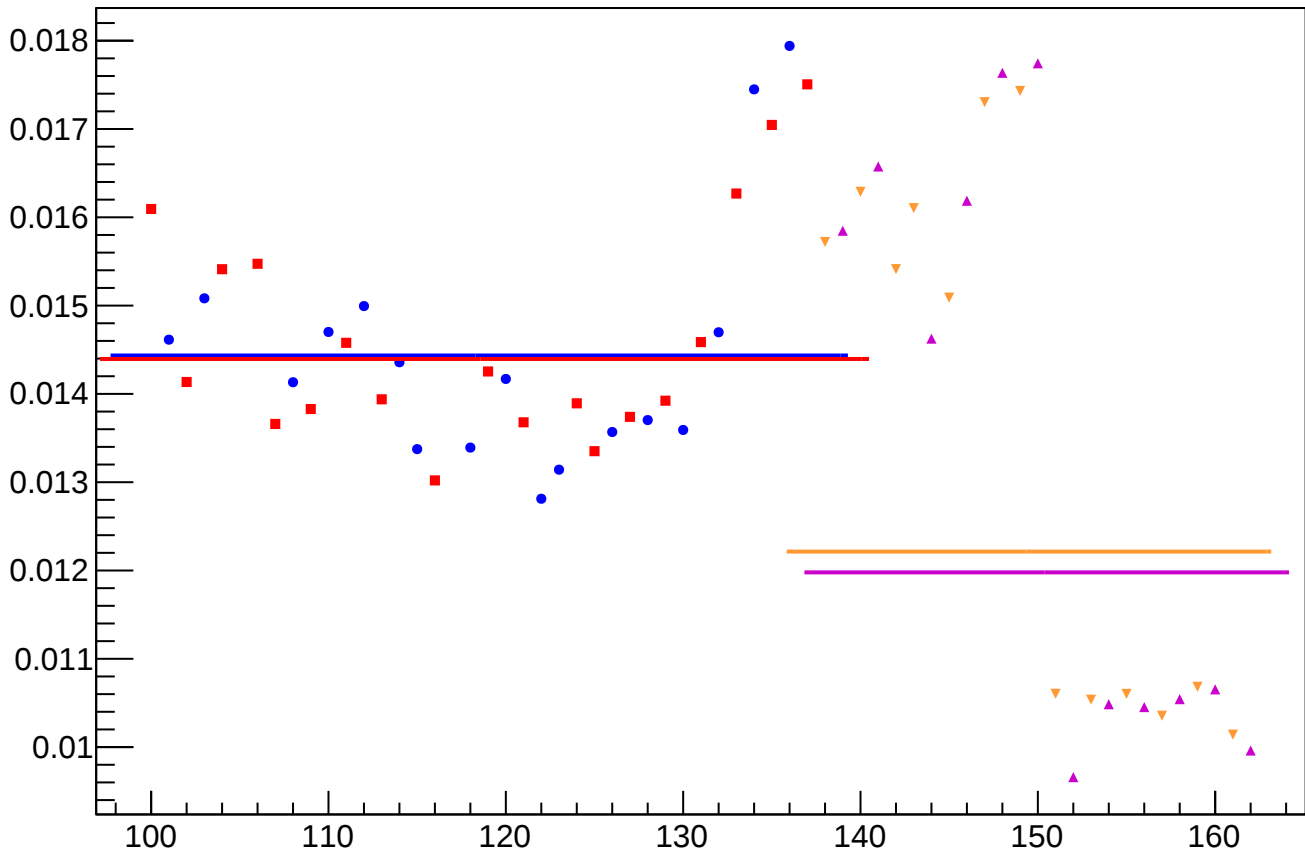
Left In: 1.064+/-0.000 χ^2/NDF : 36084943323.8/11

+ sign 0.777+/-0.000 χ^2/NDF : 41600337061.2/29

All: 0.812+/-0.000 χ^2/NDF : 93401305055.6/6

- sign 0.845+/-0.000 χ^2/NDF : 51582886407.9/30

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: 873400.3/12

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 74531.6/18

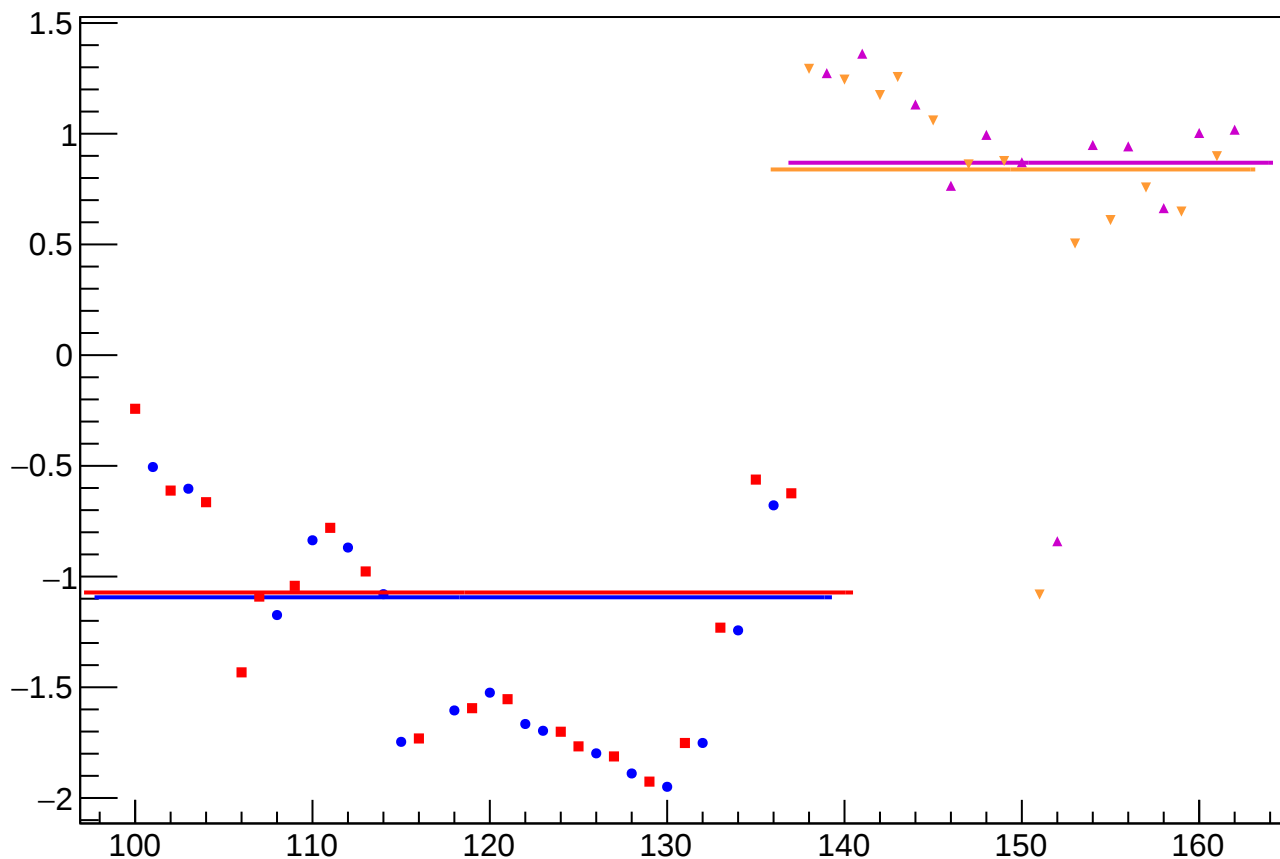
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 994285.1/11

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1190277.5/29

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 2517578.6/60

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1324954.6/30

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.839+/-0.000 χ^2/NDF : 123286653448.2/12

Right Out: -1.072+/-0.000 χ^2/NDF : 46896017480.0/18

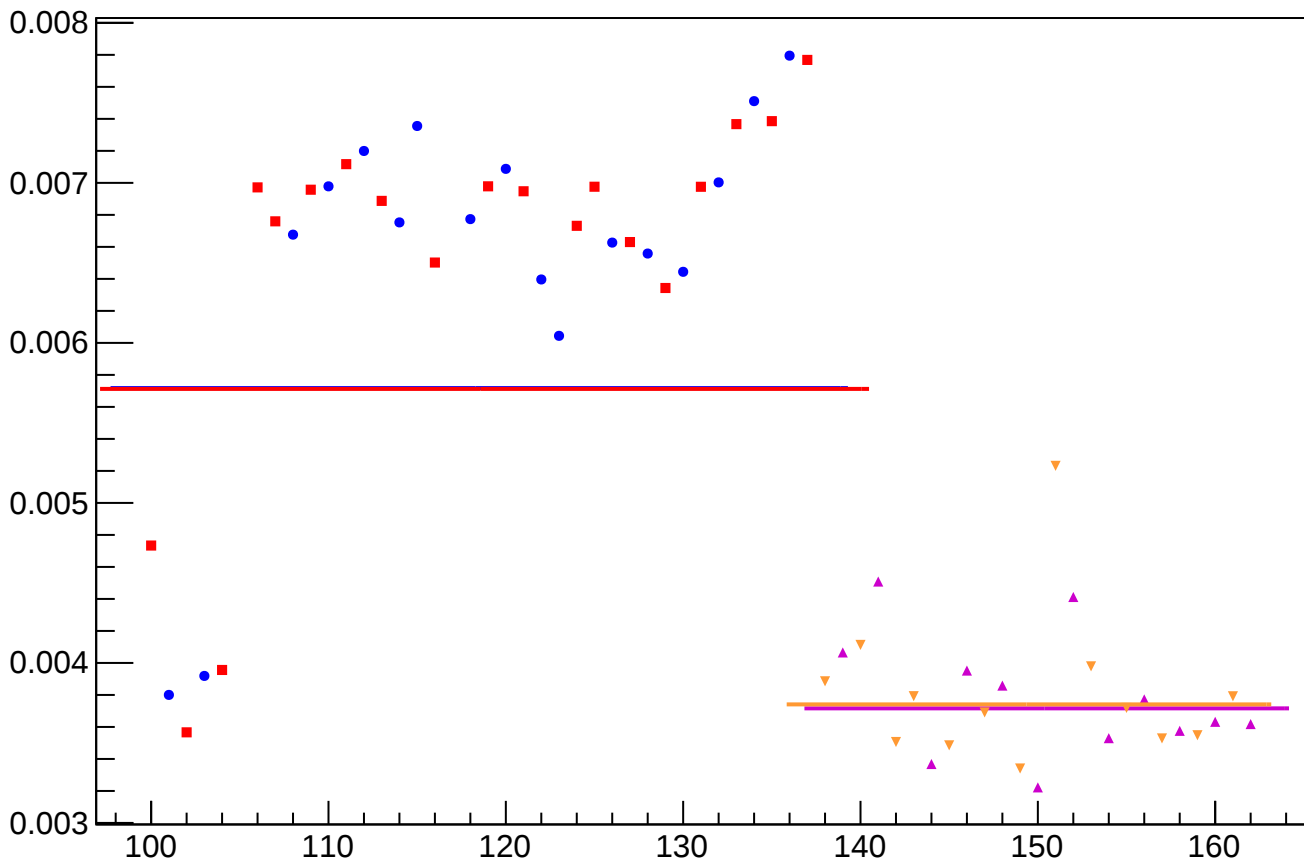
Left In: 0.869+/-0.000 χ^2/NDF : 143667785157.2/11

+ sign 0.400+/-0.000 χ^2/NDF : 703463741315.1/29

All: 0.410+/-0.000 χ^2/NDF : 1440924073988.

- sign 0.420+/-0.000 χ^2/NDF : 737300964180.4/30

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837775.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:158434.2/12

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 923899.1/18

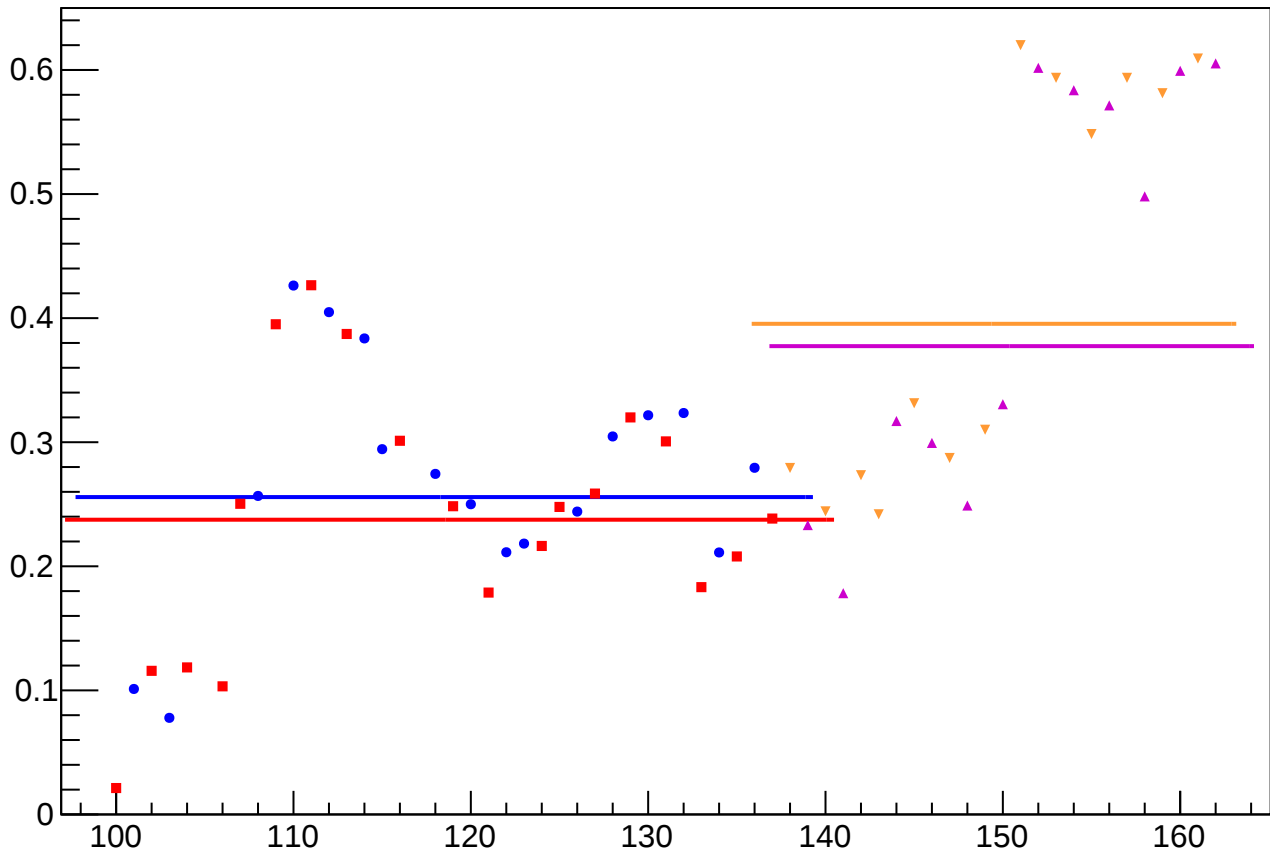
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:164020.7/11

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2093283.1/29

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4338213.6/60

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2244823.8/30

yield_bpm2i01X_mean vs Slug



Right In: 0.256 $\pm$ 0.000 χ^2 /NDF: 21365489849.4/16

Left Out: 0.395 $\pm$ 0.000 χ^2 /NDF: 64743846021.3/12

Right Out: 0.238 $\pm$ 0.000 χ^2 /NDF: 26057284646.9/18

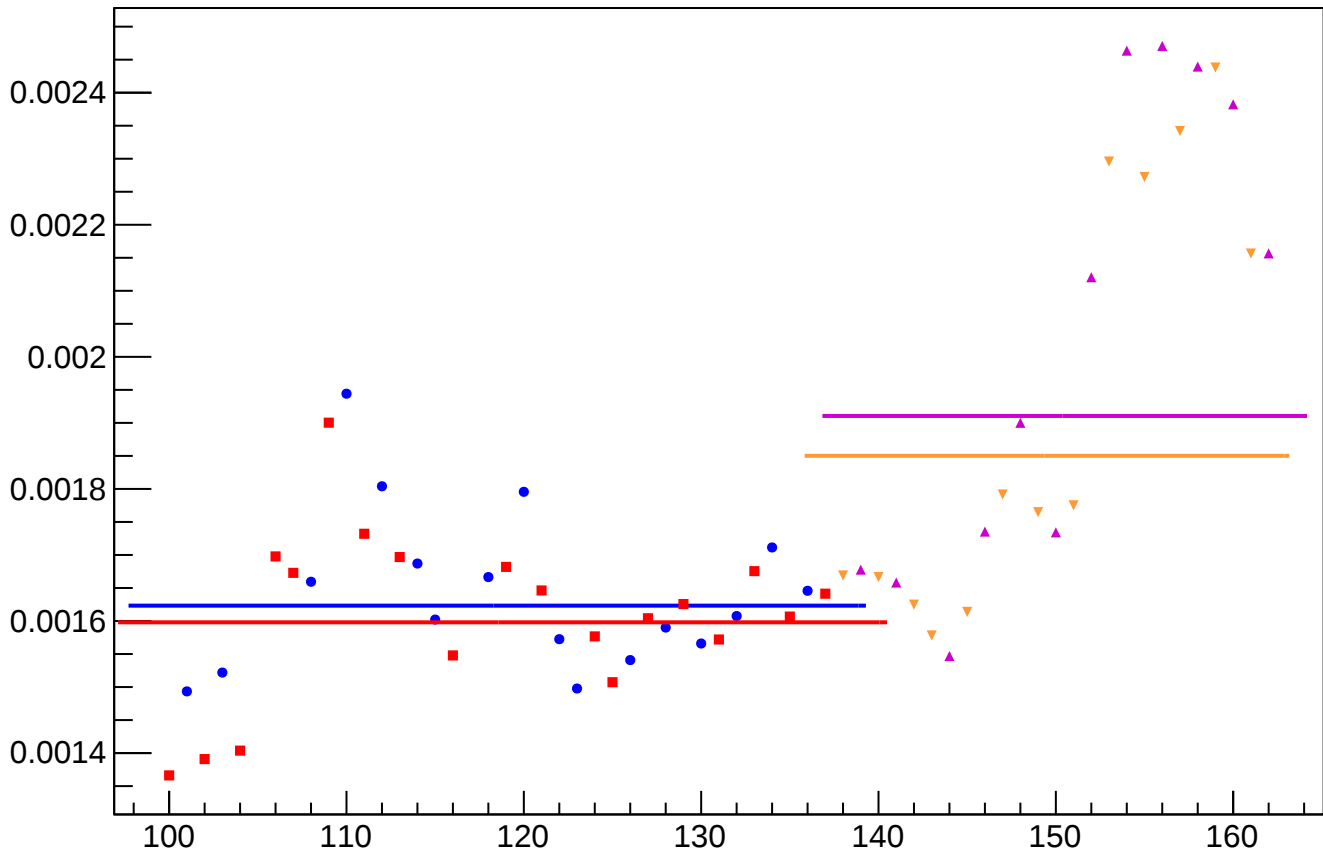
Left In: 0.377 $\pm$ 0.000 χ^2 /NDF: 60859630716.5/11

+ sign 0.330 $\pm$ 0.000 χ^2 /NDF: 111380715290.0/29

All: 0.317 $\pm$ 0.000 χ^2 /NDF: 225580800950.2

- sign 0.305 $\pm$ 0.000 χ^2 /NDF: 112582706318.1/30

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 : 440924.6/12

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

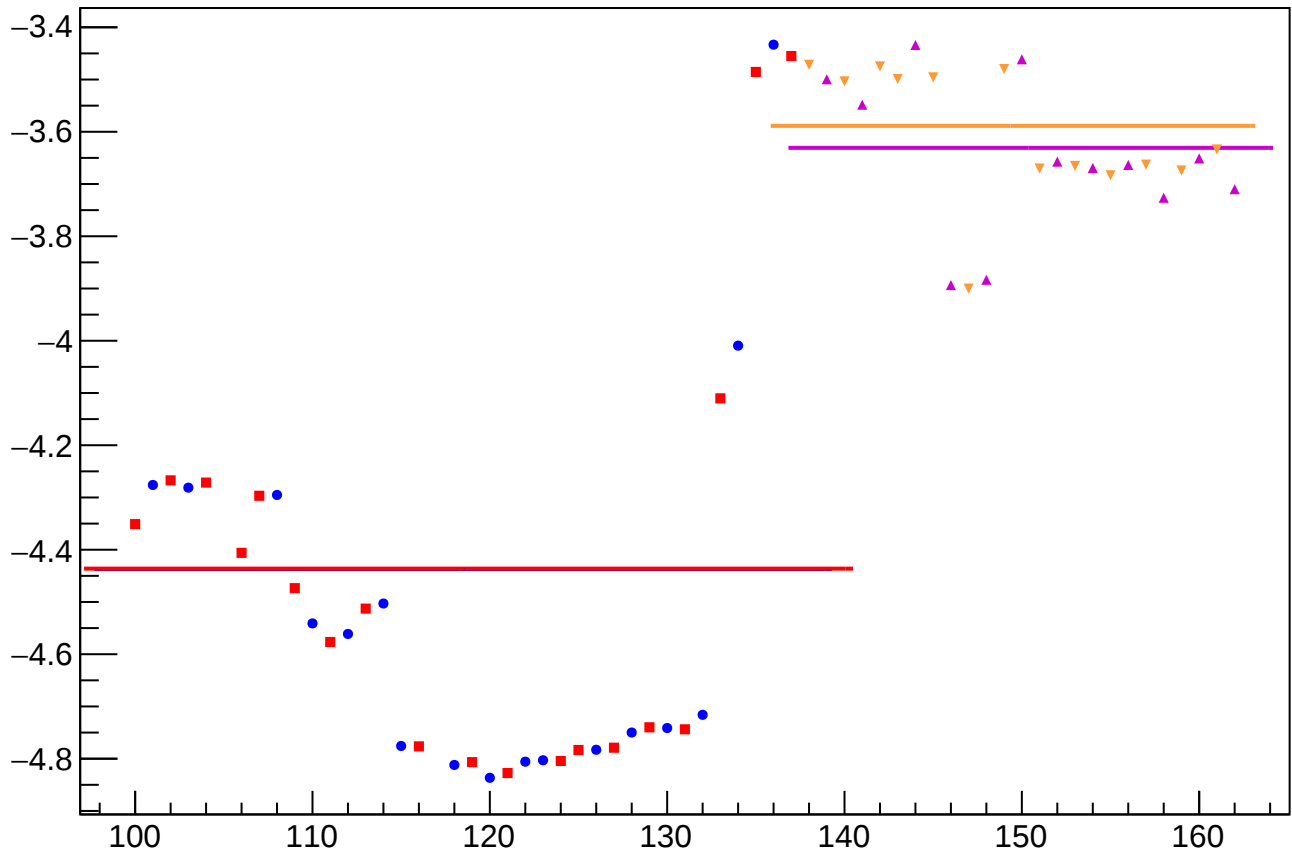
Left In: 0.002+/-0.000 χ^2/NDF : 528402.5/11

+ sign 0.002+/-0.000 χ^2/NDF : 626816.3/29

All: 0.002+/-0.000 χ^2/NDF : 1502215.9/60

- sign 0.002+/-0.000 χ^2/NDF : 875268.3/30

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.589+/-0.000 χ^2/NDF : 29821543299.6/12

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

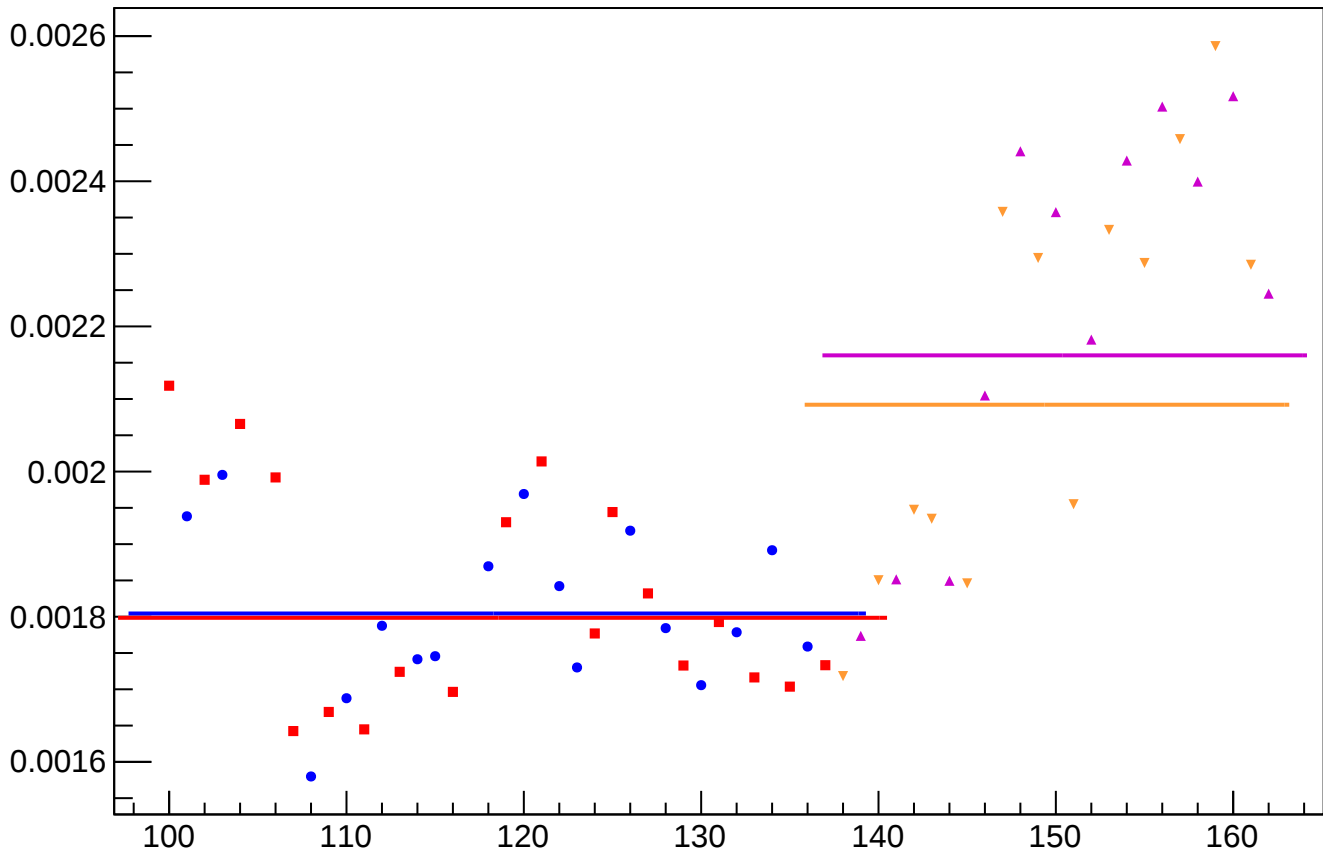
Left In: -3.631+/-0.000 χ^2/NDF : 42405410344.5/11

+ sign -3.999+/-0.000 χ^2/NDF : 1165743834622.9/2

All: -4.022+/-0.000 χ^2/NDF : 2206942926496

- sign -4.045+/-0.000 χ^2/NDF : 1036742621686.6/30

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 :302710.1/12

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

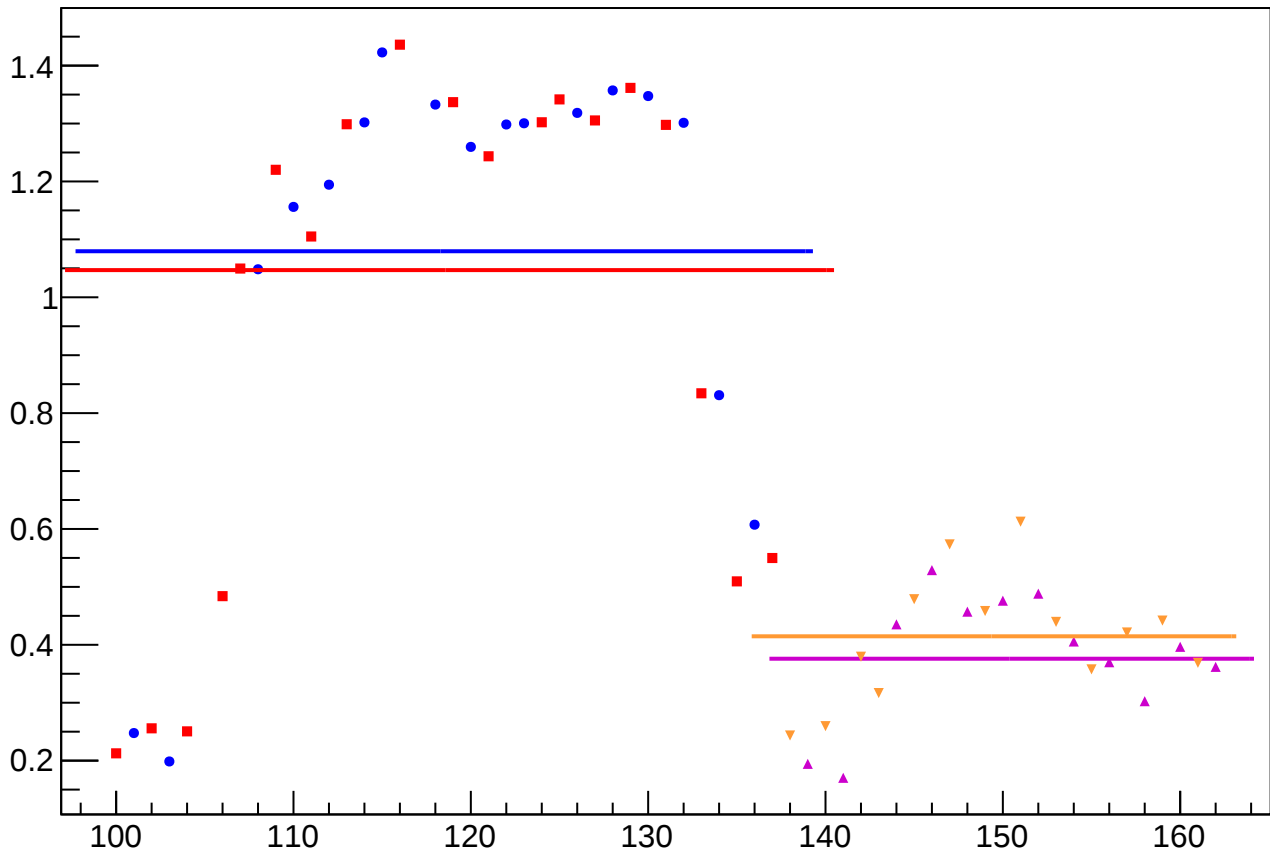
Left In: 0.002+/-0.000 χ^2/NDF :289440.6/11

+ sign 0.002+/-0.000 χ^2/NDF : 522714.5/29

All: 0.002+/-0.000 χ^2/NDF : 1164722.4/60

- sign 0.002+/-0.000 χ^2/NDF : 640178.8/30

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.415 $\pm$ 0.000 χ^2 /NDF: 1190820918.5/12

Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

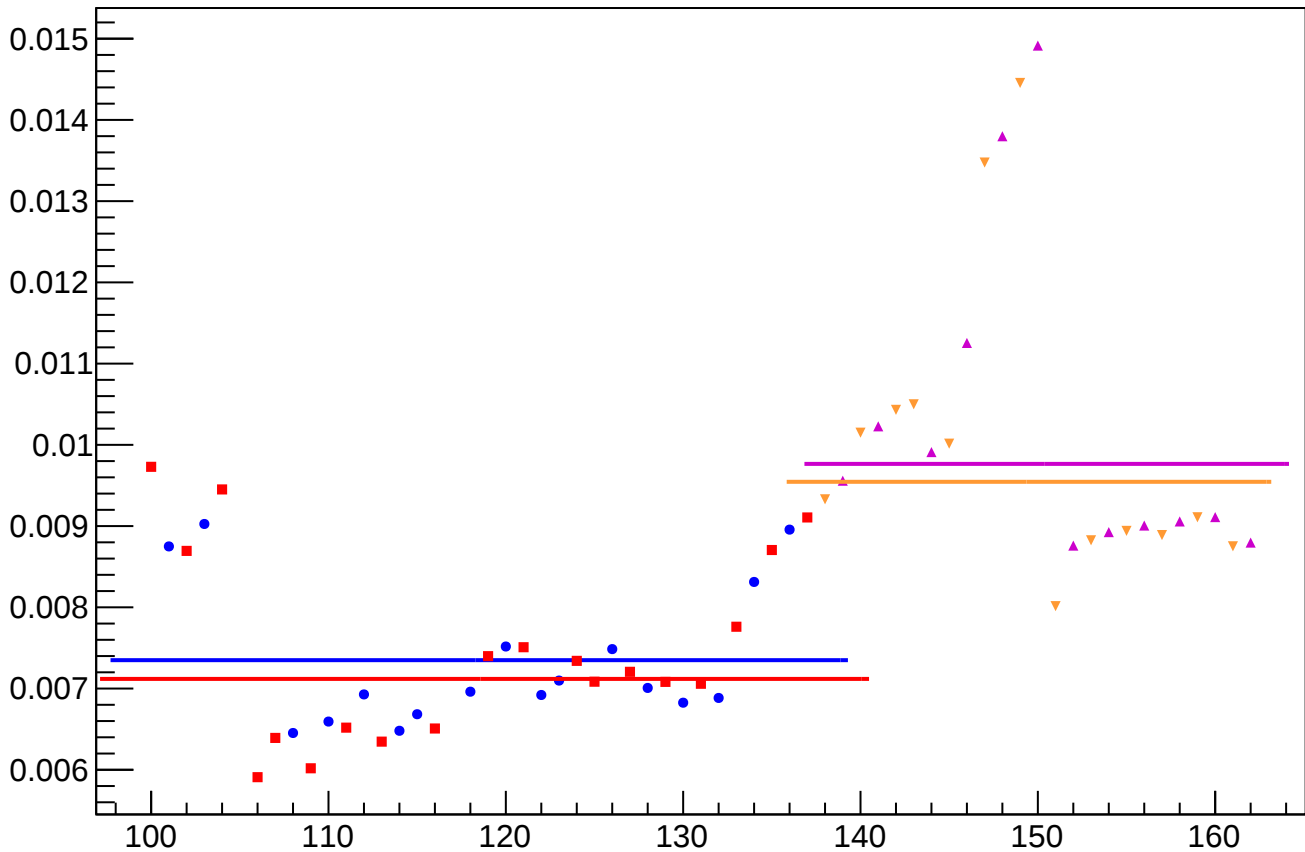
Left In: 0.376 $\pm$ 0.000 χ^2 /NDF: 1035201413.2/11

+ sign 0.774 $\pm$ 0.000 χ^2 /NDF: 43574409060.5/29

All: 0.770 $\pm$ 0.000 χ^2 /NDF: 90197150426.1/6

- sign 0.767 $\pm$ 0.000 χ^2 /NDF: 46616447040.8/30

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.010+/-0.000 χ^2/NDF : 444356.9/12

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

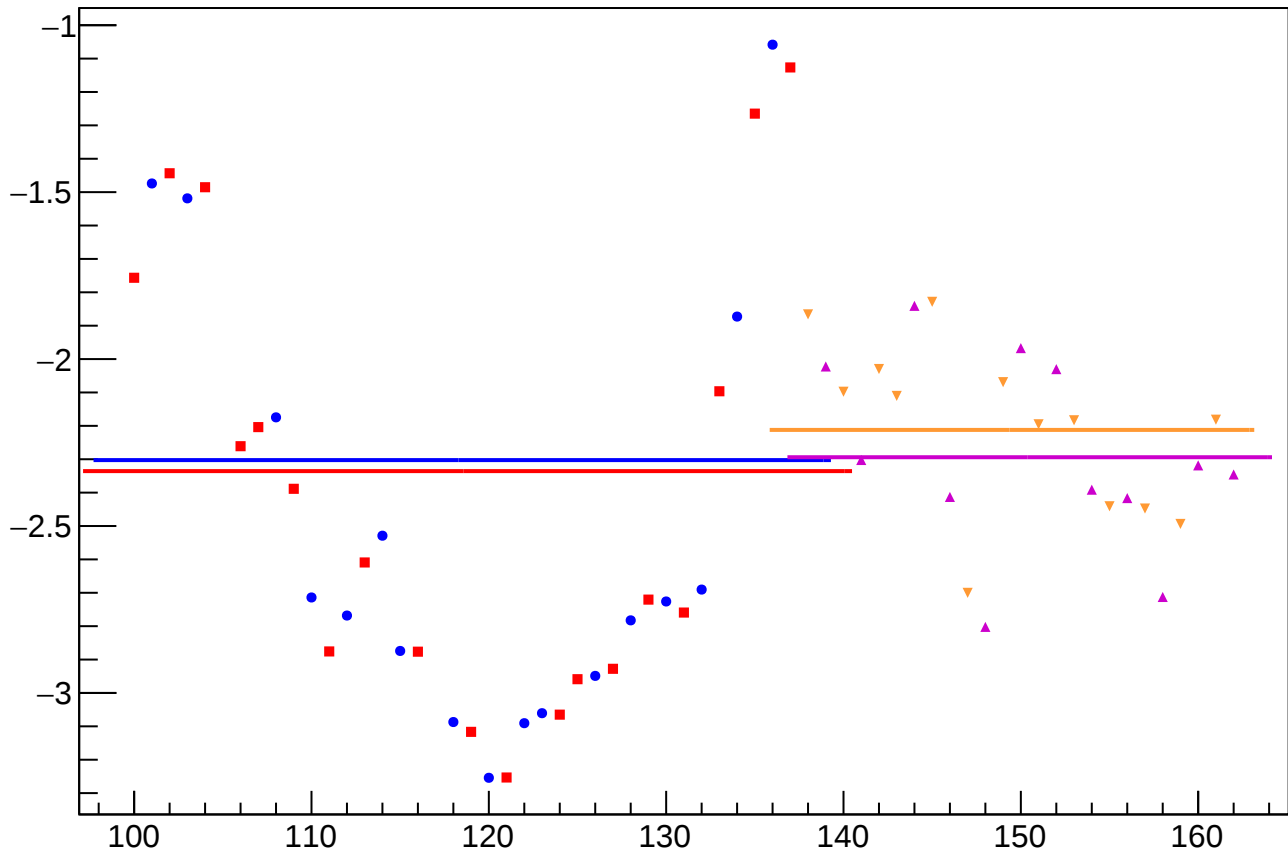
Left In: 0.010+/-0.000 χ^2/NDF : 459036.7/11

+ sign 0.008+/-0.000 χ^2/NDF : 1167304.4/29

All: 0.008+/-0.000 χ^2/NDF : 2695667.2/60

- sign 0.008+/-0.000 χ^2/NDF : 1524221.0/30

yield_bpm2i02Y_mean vs Slug



Right In: -2.303 ± 0.000 $\chi^2/\text{NDF}: 73755914805.8/16$

Left Out: -2.212 ± 0.000 $\chi^2/\text{NDF}: 6842222777.2/12$

Right Out: -2.336 ± 0.000 $\chi^2/\text{NDF}: 64499162456.4/18$

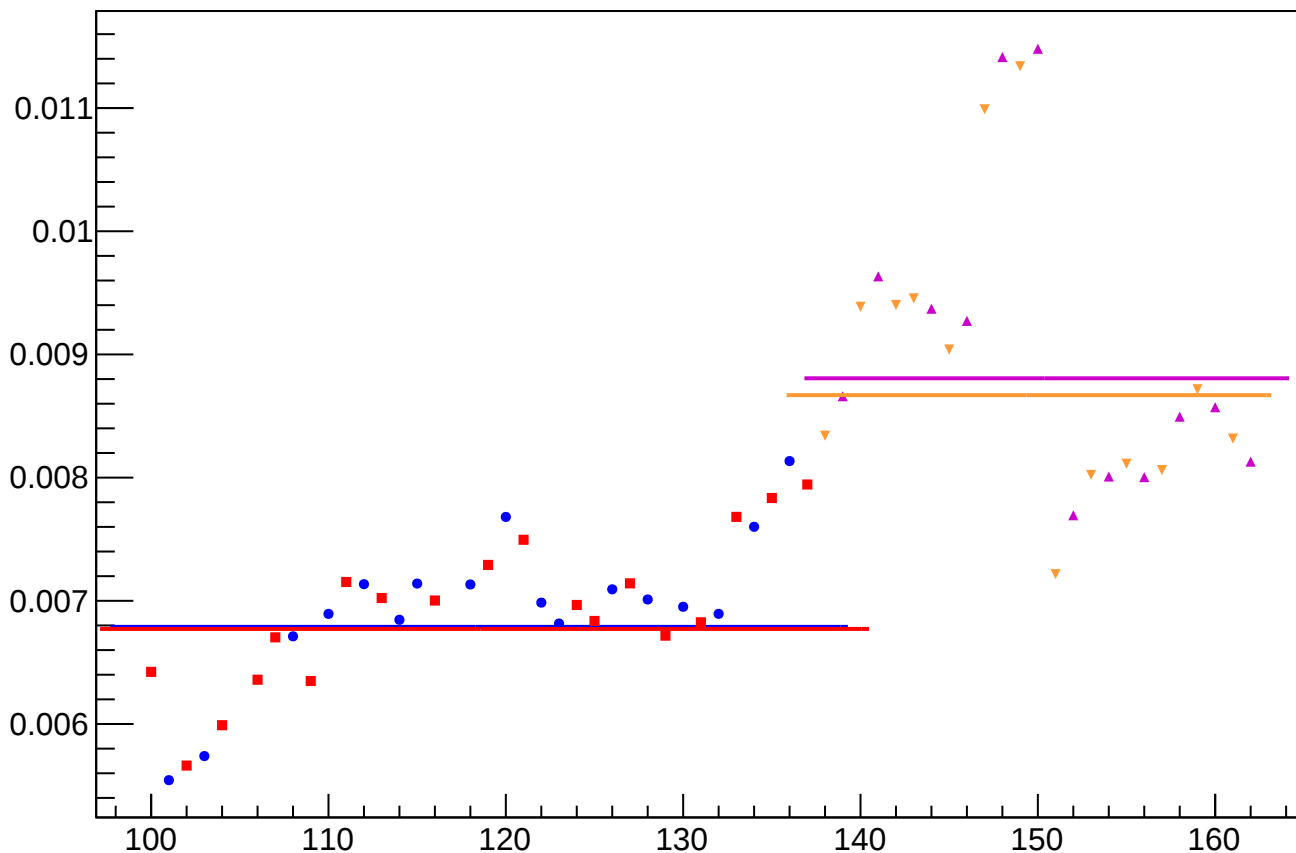
Left In: -2.294 ± 0.000 $\chi^2/\text{NDF}: 8408886109.5/11$

+ sign -2.260 ± 0.000 $\chi^2/\text{NDF}: 81151382340.6/29$

All: -2.289 ± 0.000 $\chi^2/\text{NDF}: 154623058870.8$

- sign -2.317 ± 0.000 $\chi^2/\text{NDF}: 73026308500.1/30$

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 280726.5/12

Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

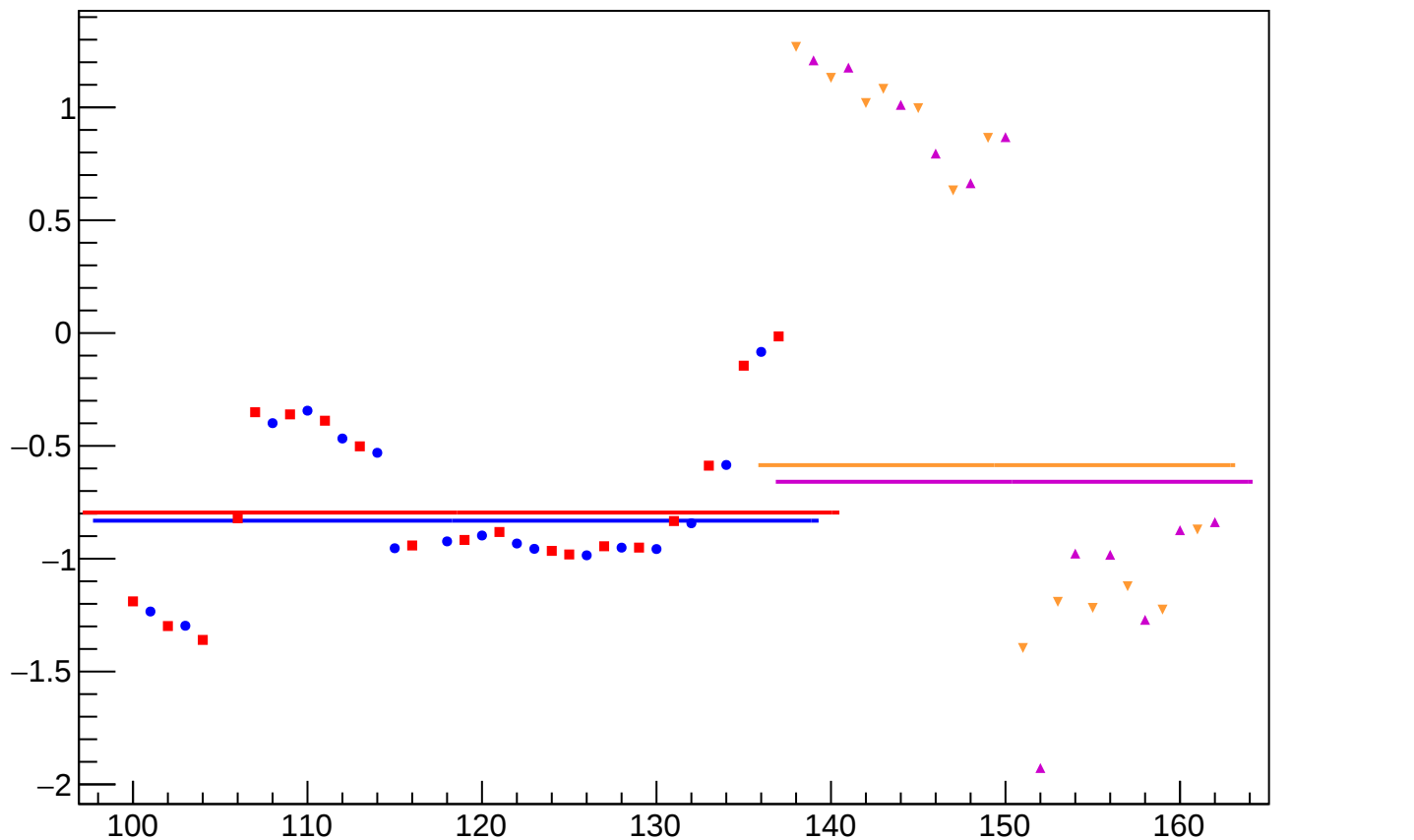
Left In: 0.009+/-0.000 χ^2/NDF : 281385.8/11

+ sign 0.008+/-0.000 χ^2/NDF : 924863.1/29

All: 0.008+/-0.000 χ^2/NDF : 1895620.4/60

- sign 0.008+/-0.000 χ^2/NDF : 970752.8/30

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.585 ± 0.000 χ^2/NDF : 108970830879.5/12

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

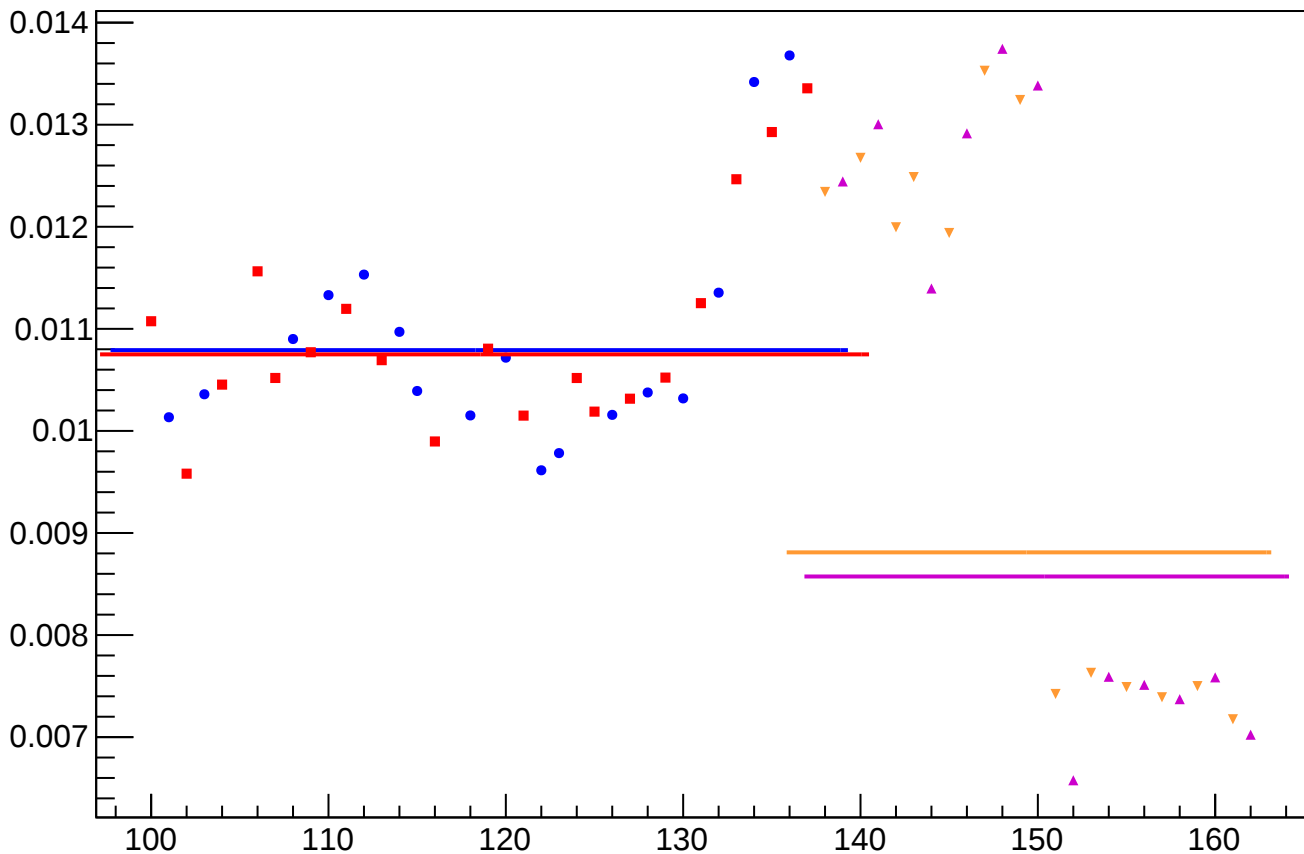
Left In: -0.659 ± 0.000 χ^2/NDF : 117575016940.6/11

+ sign -0.666 ± 0.000 χ^2/NDF : 117955083464.6/29

All: -0.686 ± 0.000 χ^2/NDF : 244220022241.7

- sign -0.704 ± 0.000 χ^2/NDF : 126138634930.0/30

yield_bpm0i01X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 125802.4/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1223707.2/12

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 90220.8/18

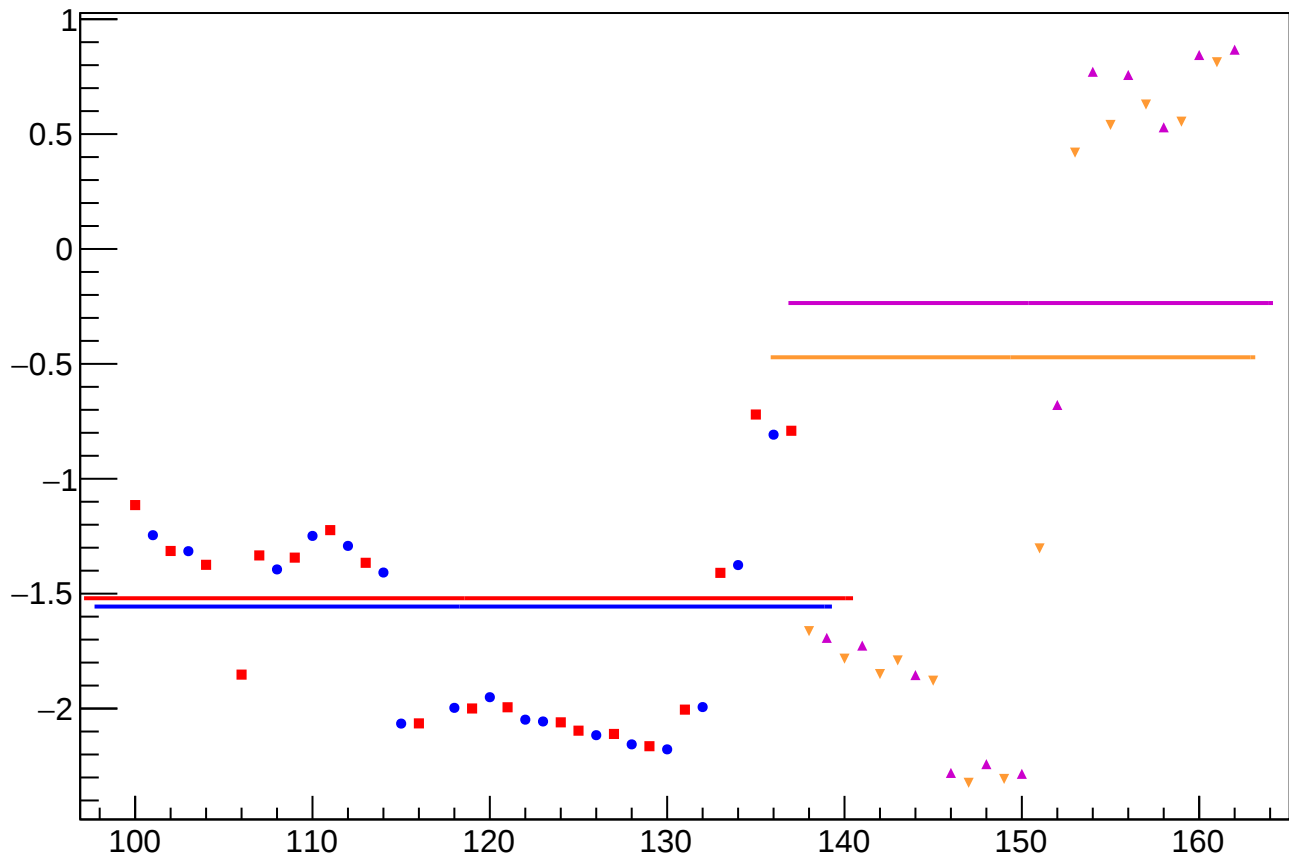
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1391390.6/11

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1646520.0/29

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 3510325.2/60

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1858971.0/30

yield_bpm0i01Y_mean vs Slug



Right In: -1.556 ± 0.000 χ^2/NDF : 154972763568.8/16

Left Out: -0.471 ± 0.000 χ^2/NDF : 1554873331983.0/12

Right Out: -1.520 ± 0.000 χ^2/NDF : 138464991806.4/18

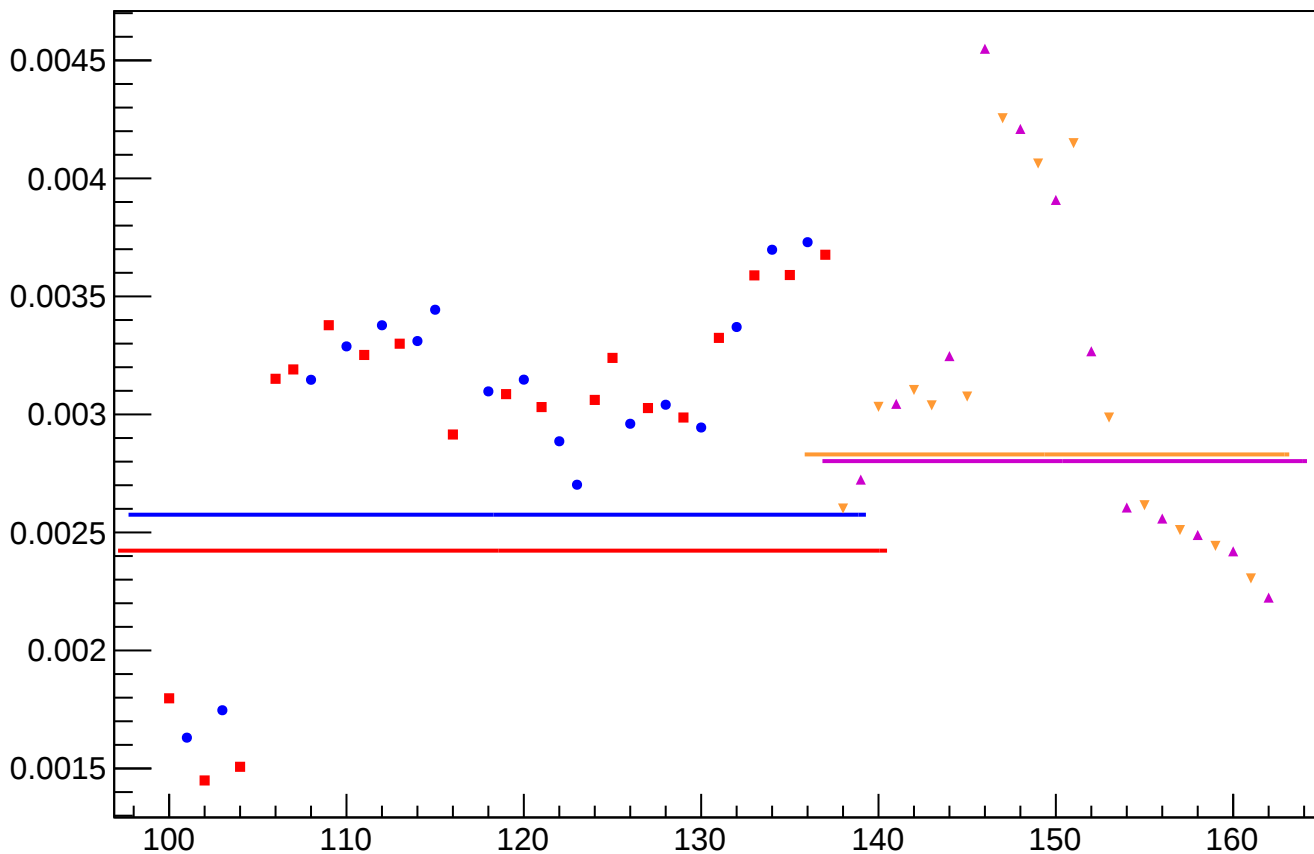
Left In: -0.235 ± 0.000 χ^2/NDF : 1649573976634.2/11

+ sign -0.960 ± 0.000 χ^2/NDF : 2261608421905.9/2

All: -0.903 ± 0.000 χ^2/NDF : 4892858082613

- sign -0.850 ± 0.000 χ^2/NDF : 2619395988665.7/30

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 :554302.4/12

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

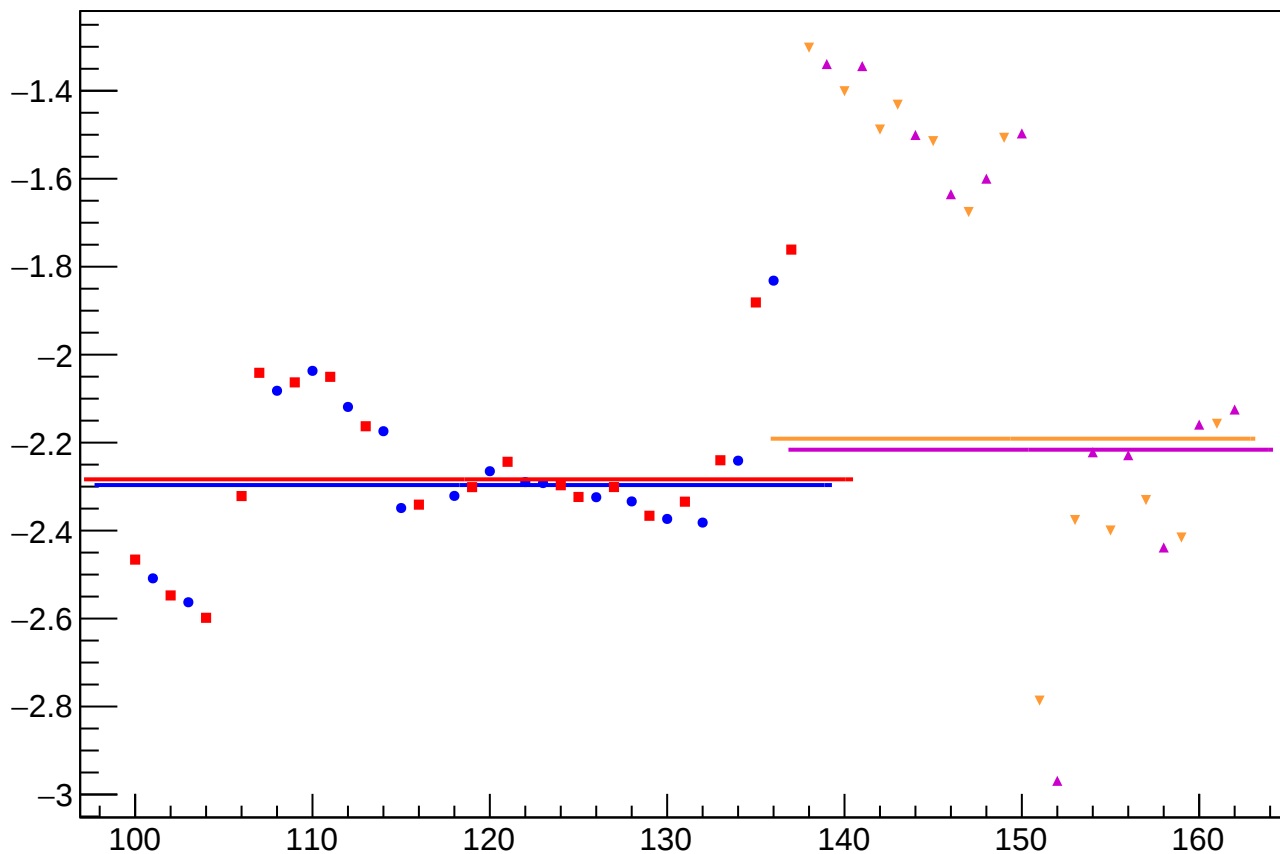
Left In: 0.003+/-0.000 χ^2/NDF :656800.4/11

+ sign 0.003+/-0.000 χ^2/NDF : 1629291.5/29

All: 0.003+/-0.000 χ^2/NDF : 3938717.0/60

- sign 0.003+/-0.000 χ^2/NDF : 2291879.4/30

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.191+/-0.000 χ^2/NDF : 50948193180.3/12

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

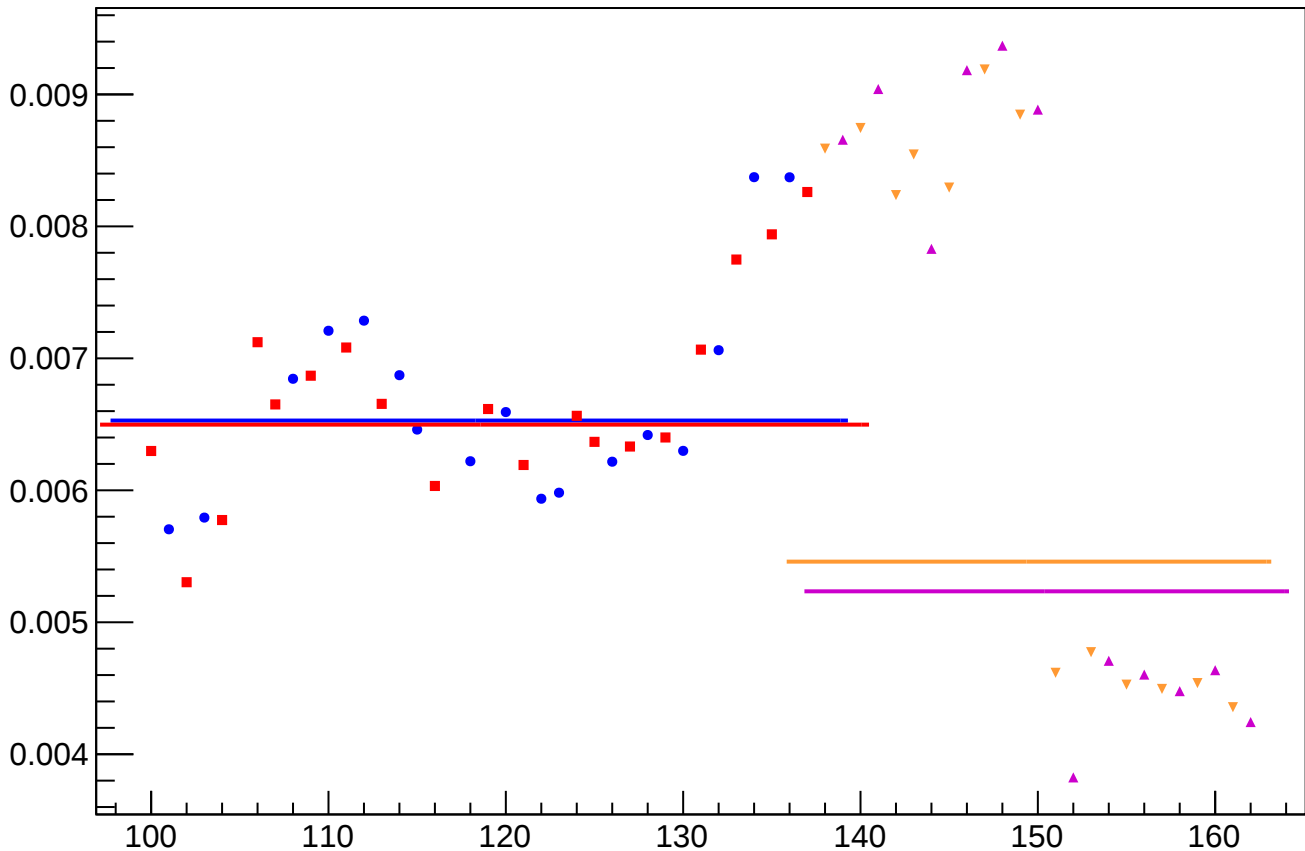
Left In: -2.216+/-0.000 χ^2/NDF : 66125968751.2/11

+ sign -2.228+/-0.000 χ^2/NDF : 57832773688.5/29

All: -2.234+/-0.000 χ^2/NDF : 131016122630.2

- sign -2.239+/-0.000 χ^2/NDF : 73152440686.6/30

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 :1684788.3/12

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

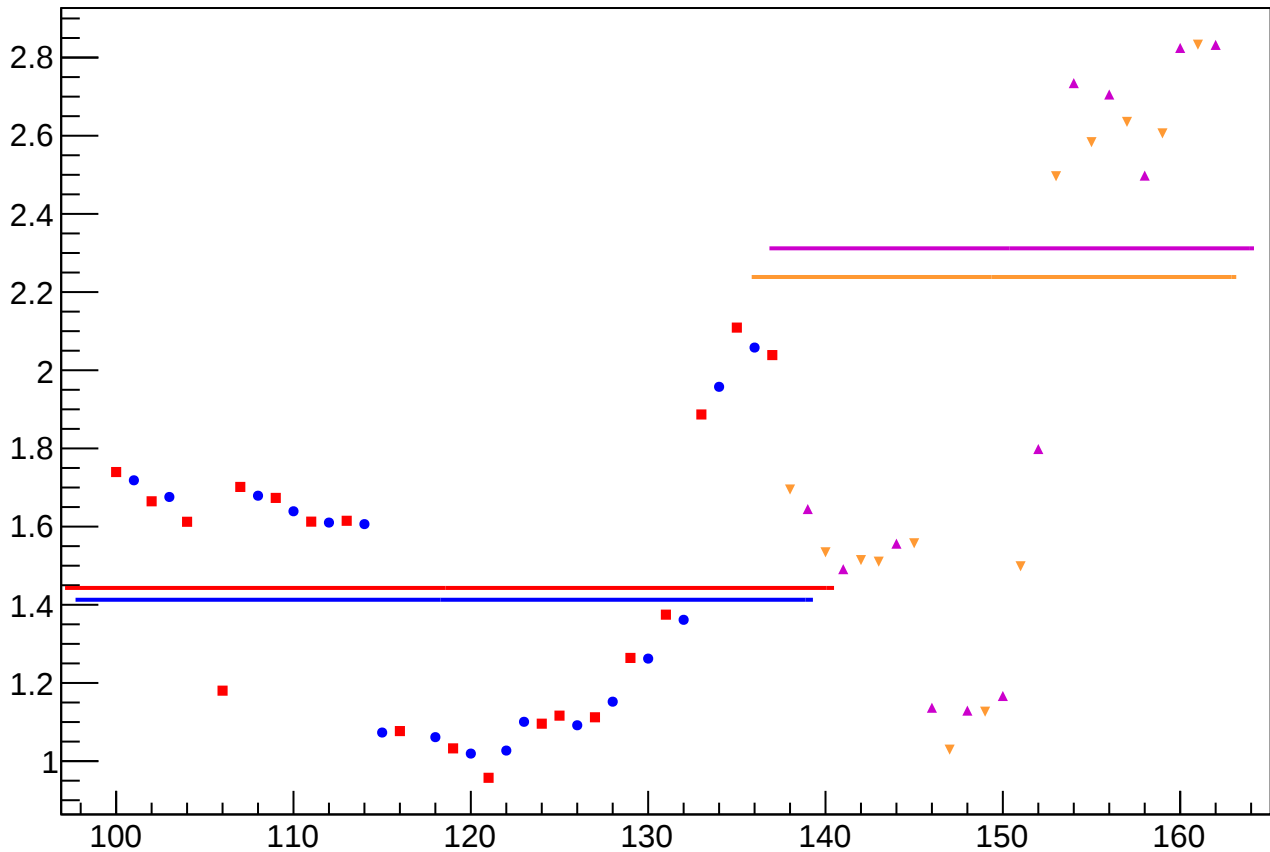
Left In: 0.005+/-0.000 χ^2/NDF :1940989.2/11

+ sign 0.006+/-0.000 χ^2/NDF : 2087761.4/29

All: 0.006+/-0.000 χ^2/NDF : 4540585.7/60

- sign 0.006+/-0.000 χ^2/NDF : 2441200.0/30

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.239+/-0.000 χ^2/NDF : 174124283011.9/12

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

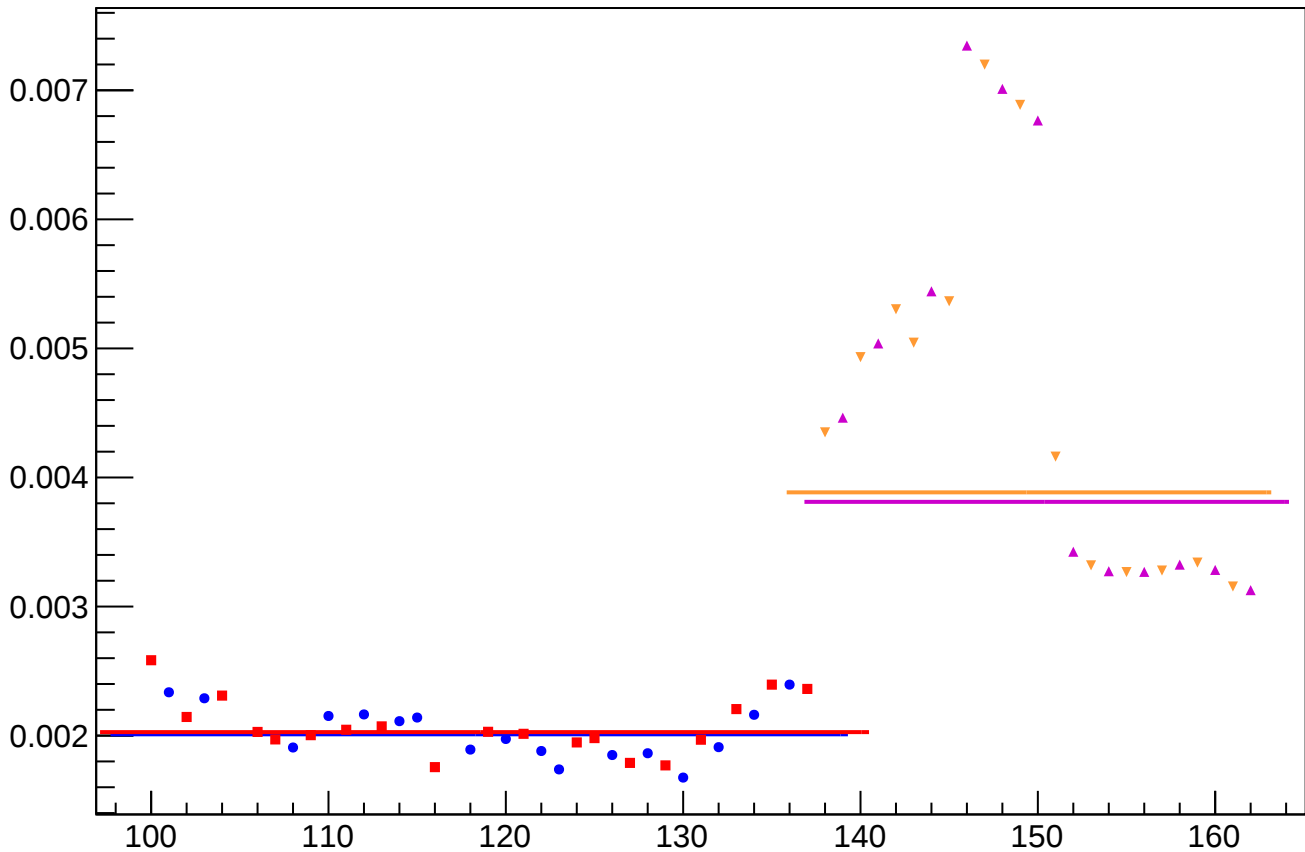
Left In: 2.312+/-0.000 χ^2/NDF : 190953609907.2/11

+ sign 1.634+/-0.000 χ^2/NDF : 625223404719.8/29

All: 1.654+/-0.000 χ^2/NDF : 1307185600486.

- sign 1.674+/-0.000 χ^2/NDF : 680283925675.6/30

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 : 1091239.1/12

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

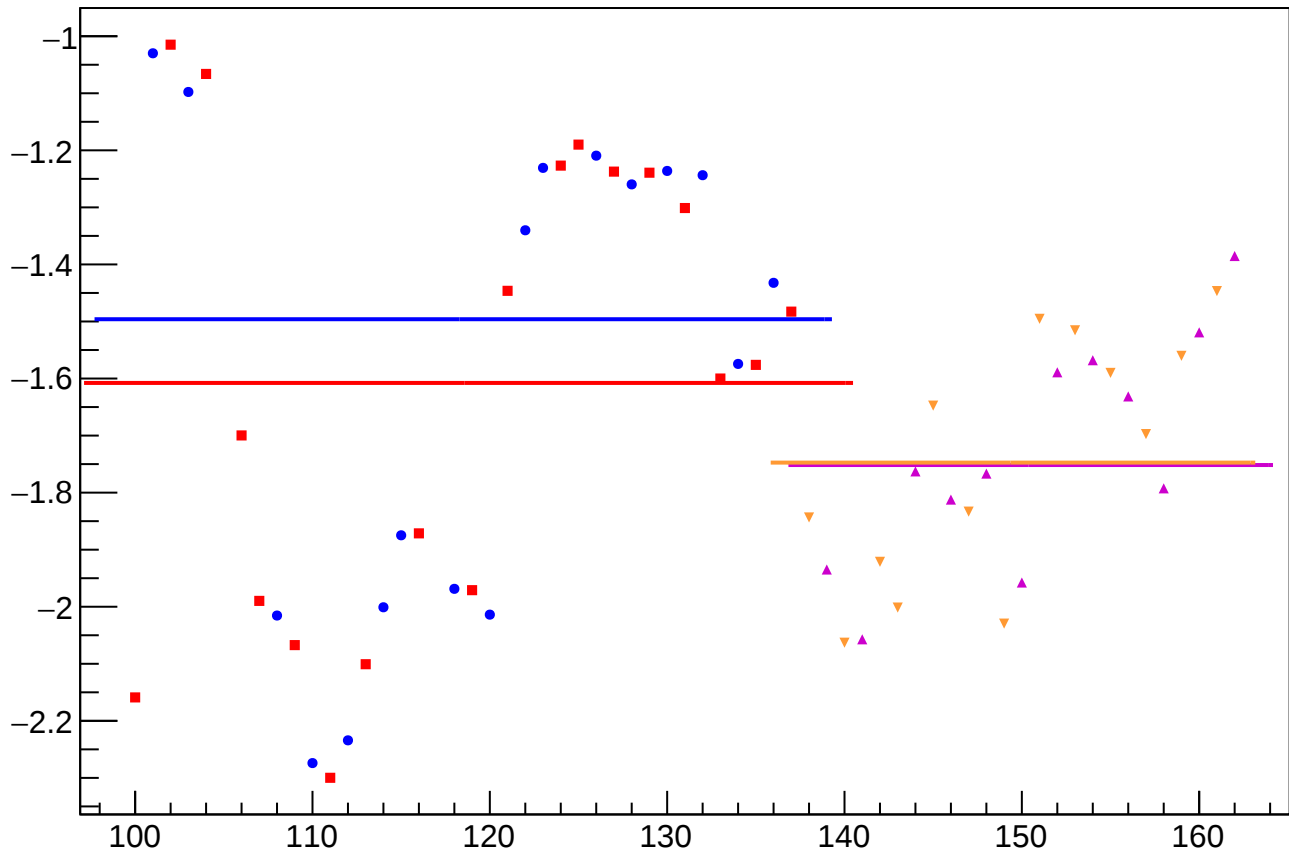
Left In: 0.004+/-0.000 χ^2/NDF : 1328163.9/11

+ sign 0.003+/-0.000 χ^2/NDF : 4114971.7/29

All: 0.003+/-0.000 χ^2/NDF : 8212577.3/60

- sign 0.003+/-0.000 χ^2/NDF : 4097338.1/30

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.747+/-0.000 χ^2/NDF : 11421240307.9/12

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

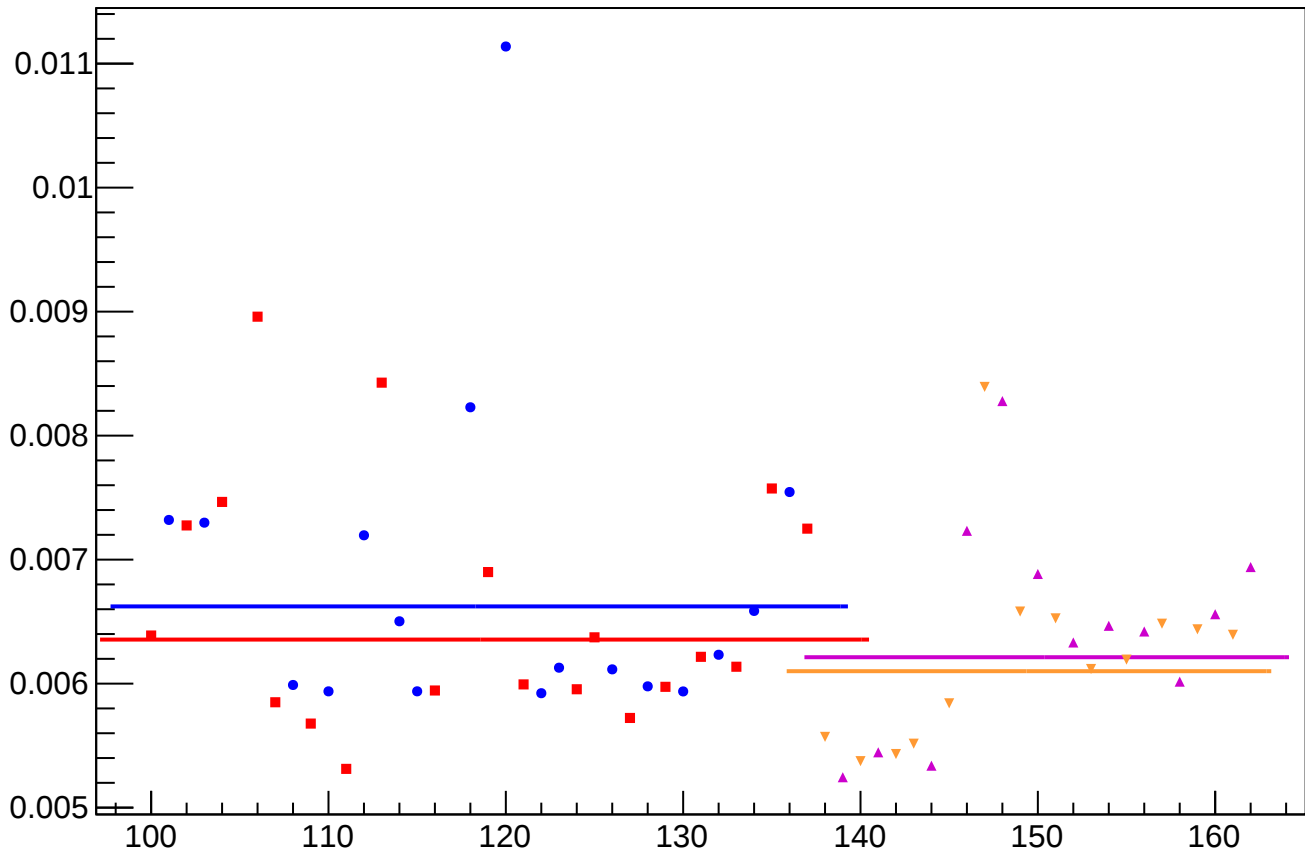
Left In: -1.752+/-0.000 χ^2/NDF : 8641727591.1/11

+ sign -1.657+/-0.000 χ^2/NDF : 39546079498.6/29

All: -1.675+/-0.000 χ^2/NDF : 78258768488.0/30

- sign -1.692+/-0.000 χ^2/NDF : 38463680192.8/30

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 : 202172.4/12

Right Out: 0.006+/-0.000 χ^2/NDF : 227861.1/18

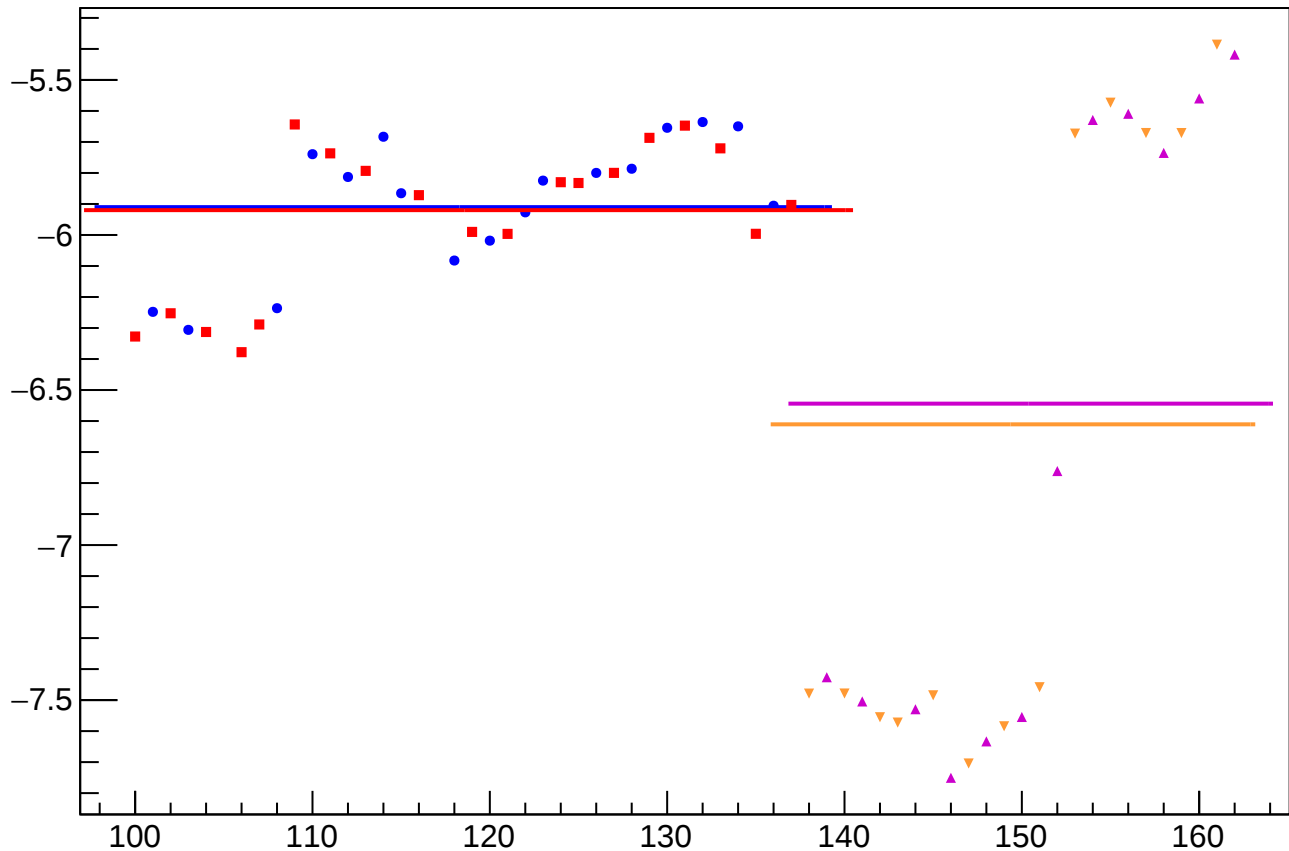
Left In: 0.006+/-0.000 χ^2/NDF : 280704.9/11

+ sign 0.006+/-0.000 χ^2/NDF : 483202.5/29

All: 0.006+/-0.000 χ^2/NDF : 995770.6/60

- sign 0.006+/-0.000 χ^2/NDF : 512448.6/30

yield_bpm0l01Y_mean vs Slug



Right In: -5.910 ± 0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.611 ± 0.000 χ^2/NDF : 123266554713.9/12

Right Out: -5.920 ± 0.000 χ^2/NDF : 12785618366.8/18

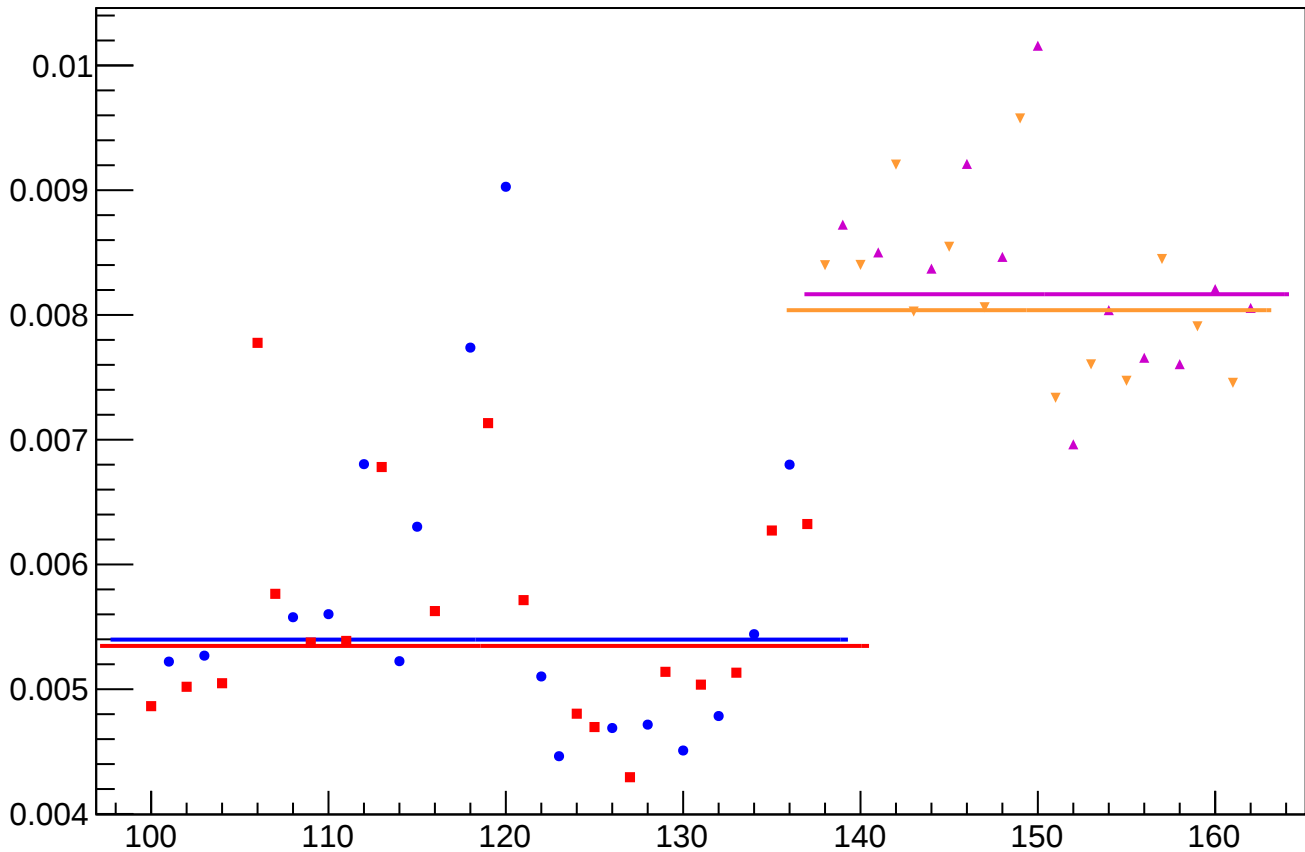
Left In: -6.544 ± 0.000 χ^2/NDF : 110026739167.5/11

+ sign -6.183 ± 0.000 χ^2/NDF : 173116328529.7/29

All: -6.164 ± 0.000 χ^2/NDF : 327715428974.4

- sign -6.147 ± 0.000 χ^2/NDF : 154383580907.7/30

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 :93317.0/12

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

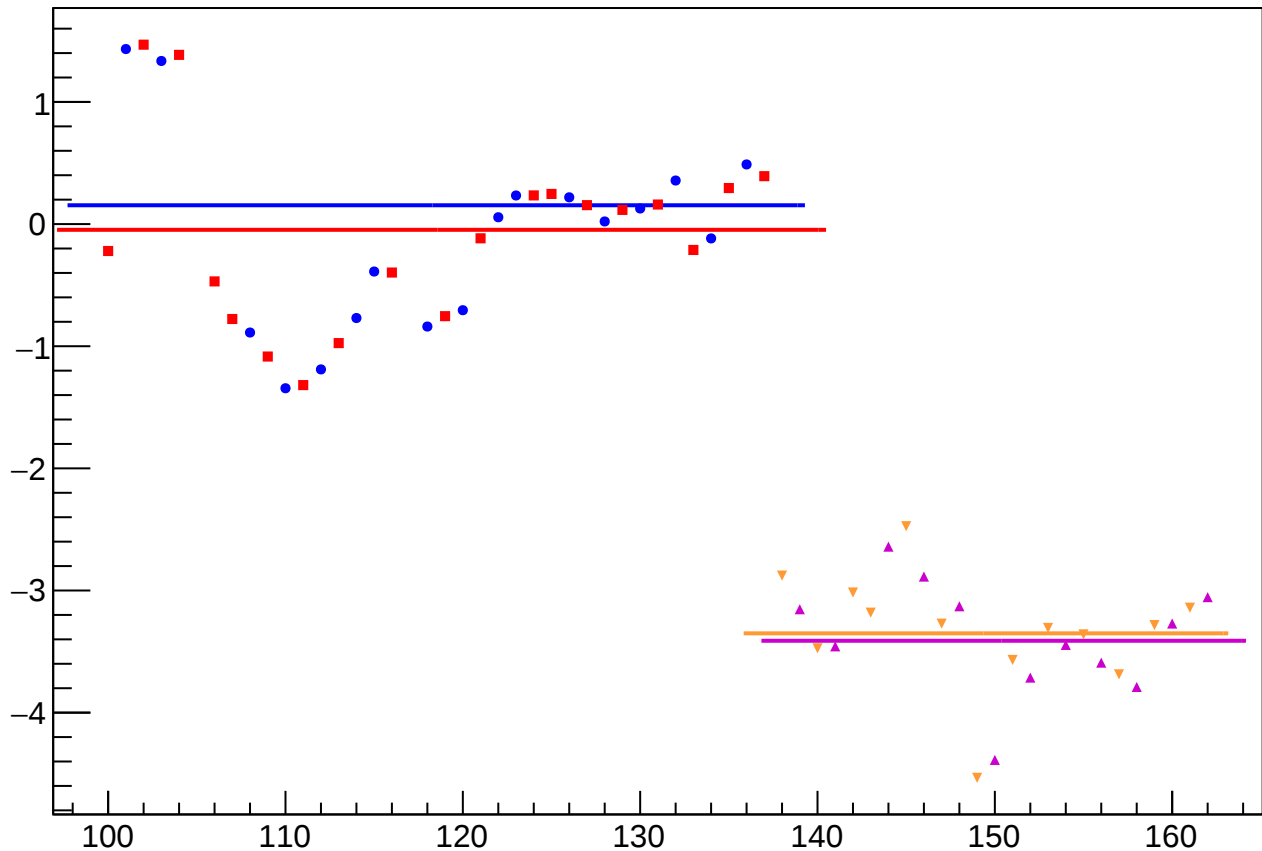
Left In: 0.008+/-0.000 χ^2/NDF :141228.7/11

+ sign 0.006+/-0.000 χ^2/NDF : 1564302.3/29

All: 0.006+/-0.000 χ^2/NDF : 3244248.7/60

- sign 0.006+/-0.000 χ^2/NDF : 1679043.2/30

yield_bpm0l02X_mean vs Slug



Right In: 0.154 ± 0.000 $\chi^2/\text{NDF}: 16988256953.8/16$

Left Out: -3.351 ± 0.000 $\chi^2/\text{NDF}: 7110759770.0/12$

Right Out: -0.047 ± 0.000 $\chi^2/\text{NDF}: 21211430471.1/18$

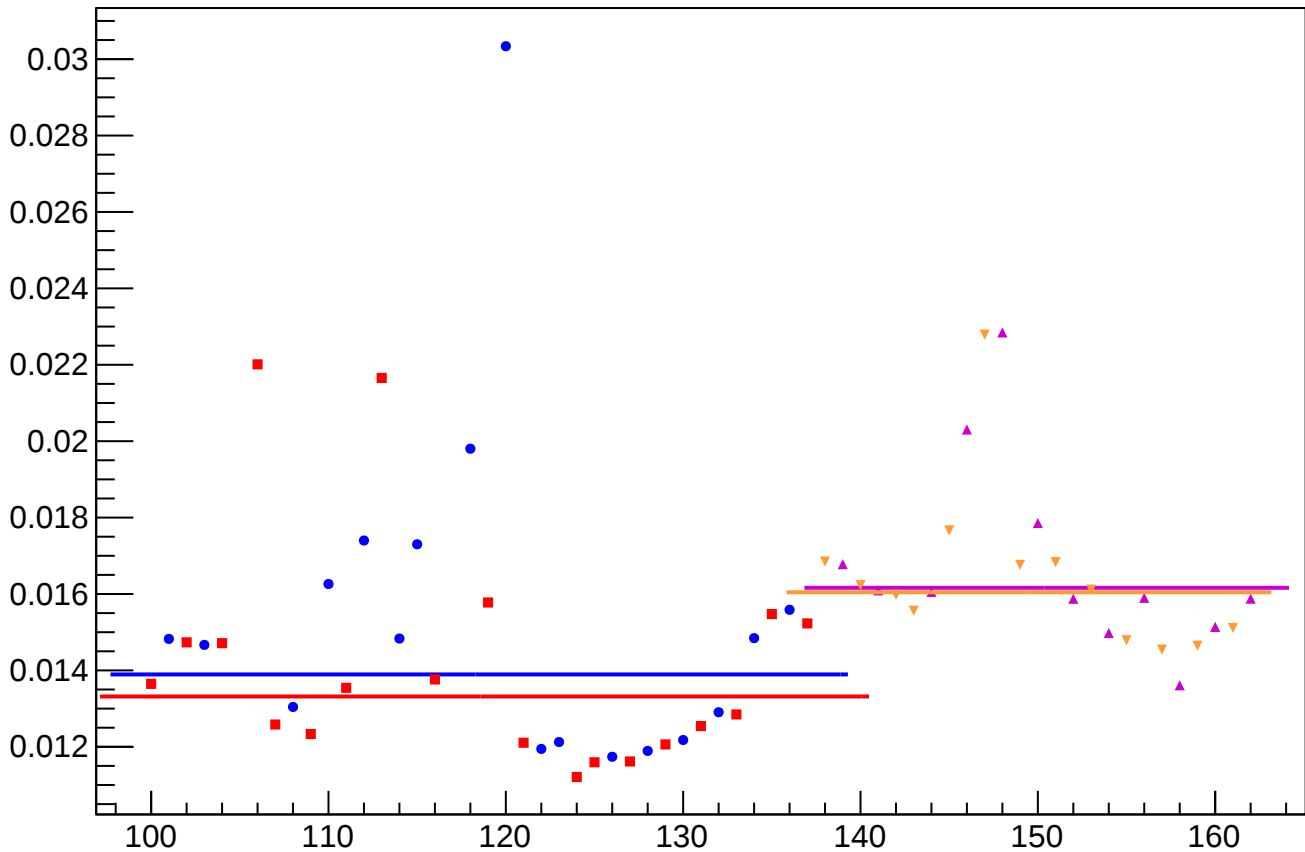
Left In: -3.412 ± 0.000 $\chi^2/\text{NDF}: 6490602549.4/11$

+ sign -1.734 ± 0.000 $\chi^2/\text{NDF}: 227062177555.7/29$

All: -1.712 ± 0.000 $\chi^2/\text{NDF}: 456426118086.9$

- sign -1.692 ± 0.000 $\chi^2/\text{NDF}: 229302916303.6/30$

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 400569.4/16

Left Out: 0.016+/-0.000 χ^2/NDF :194145.3/12

Right Out: 0.013+/-0.000 χ^2/NDF : 291358.0/18

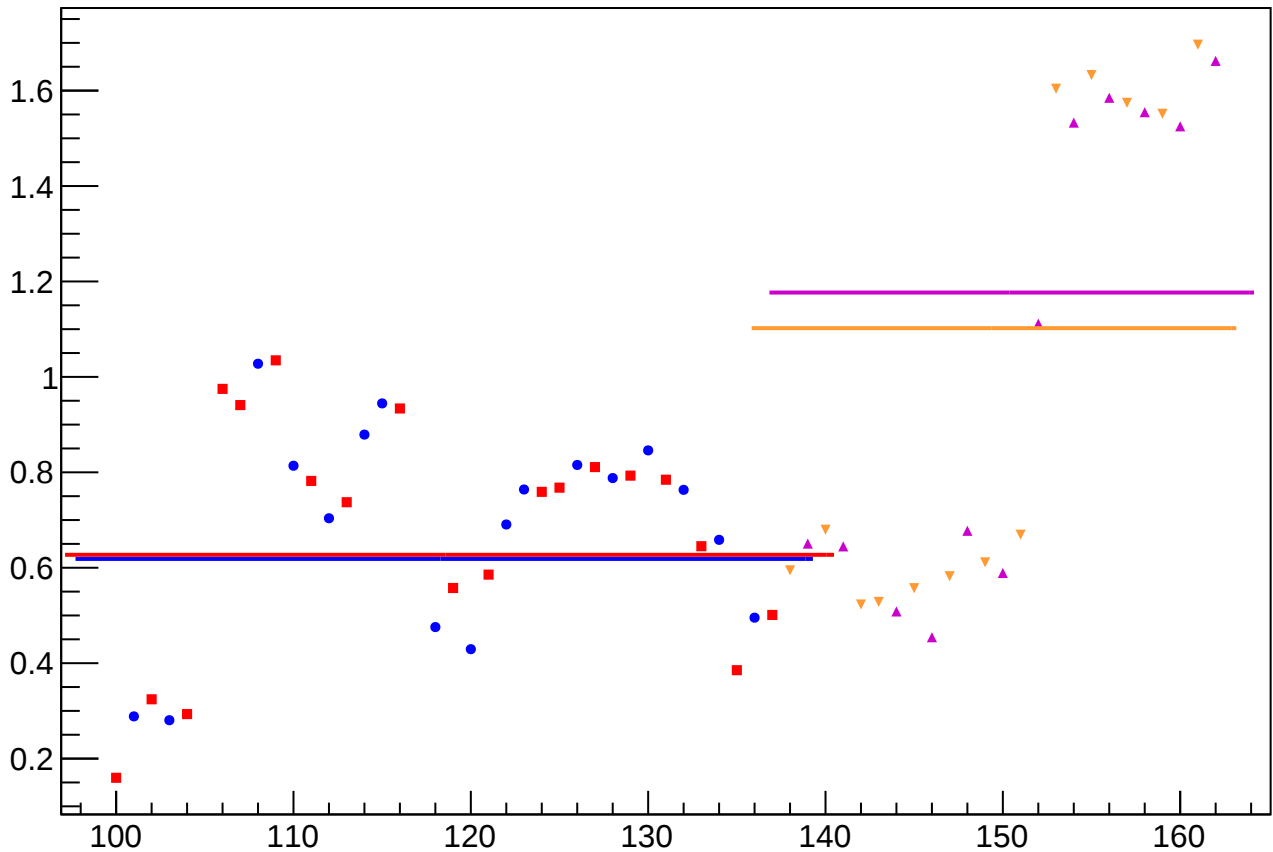
Left In: 0.016+/-0.000 χ^2/NDF :274488.0/11

+ sign 0.015+/-0.000 χ^2/NDF : 747558.7/29

All: 0.015+/-0.000 χ^2/NDF : 1609927.0/60

- sign 0.015+/-0.000 χ^2/NDF : 854185.7/30

yield_bpm0l02Y_mean vs Slug



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 1.102+/-0.000 χ^2/NDF : 47947498886.4/12

Right Out: 0.627+/-0.000 χ^2/NDF : 6337935219.4/18

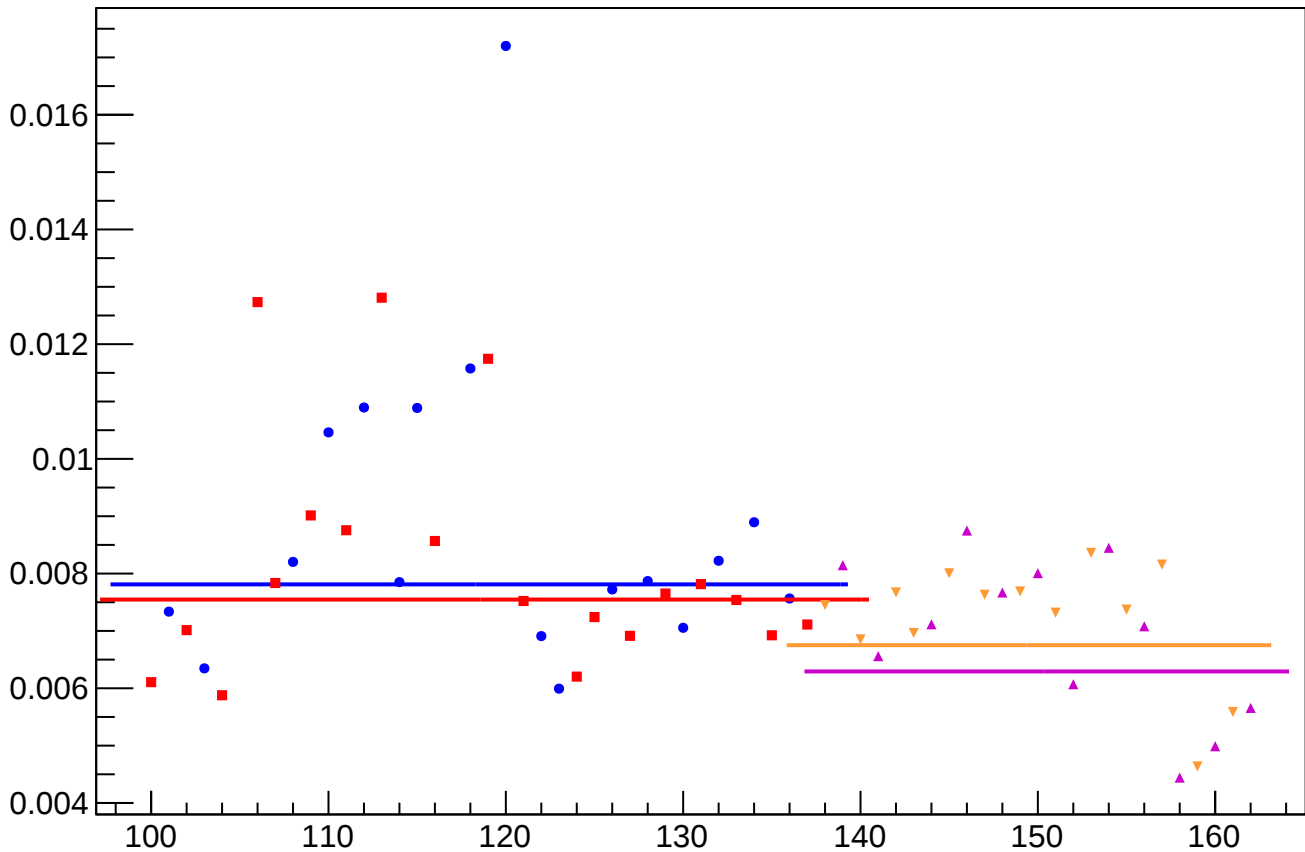
Left In: 1.177+/-0.000 χ^2/NDF : 45710666109.0/11

+ sign 0.939+/-0.000 χ^2/NDF : 68150982701.7/29

All: 0.968+/-0.000 χ^2/NDF : 142528557483.1

- sign 0.993+/-0.000 χ^2/NDF : 73932563392.3/30

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 466827.3/16

Left Out: 0.007+/-0.000 χ^2/NDF : 597609.7/12

Right Out: 0.008+/-0.000 χ^2/NDF : 441823.4/18

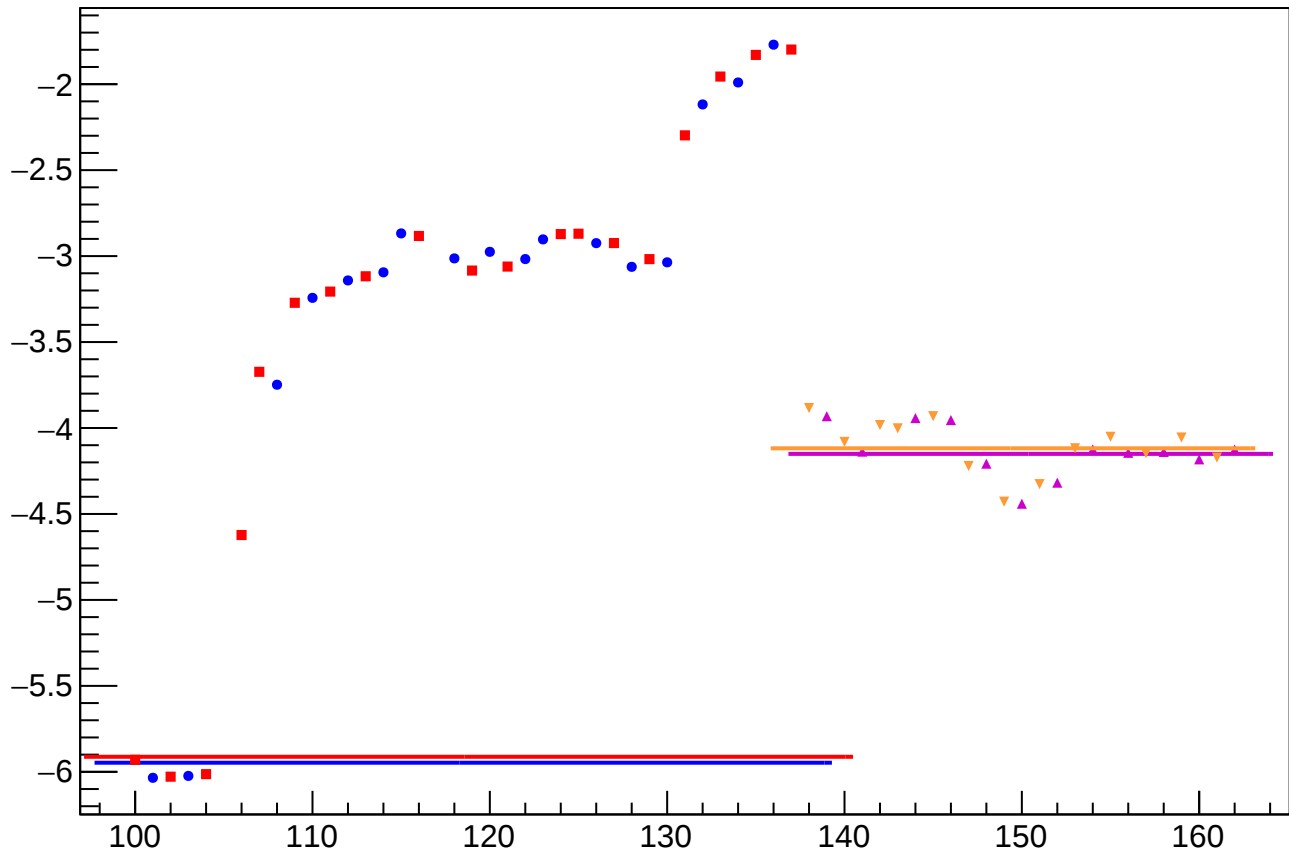
Left In: 0.006+/-0.000 χ^2/NDF : 836313.3/11

+ sign 0.007+/-0.000 χ^2/NDF : 1206618.7/29

All: 0.007+/-0.000 χ^2/NDF : 2760290.1/60

- sign 0.007+/-0.000 χ^2/NDF : 1505885.4/30

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.118+/-0.000 χ^2/NDF : 29707215.6/12

Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

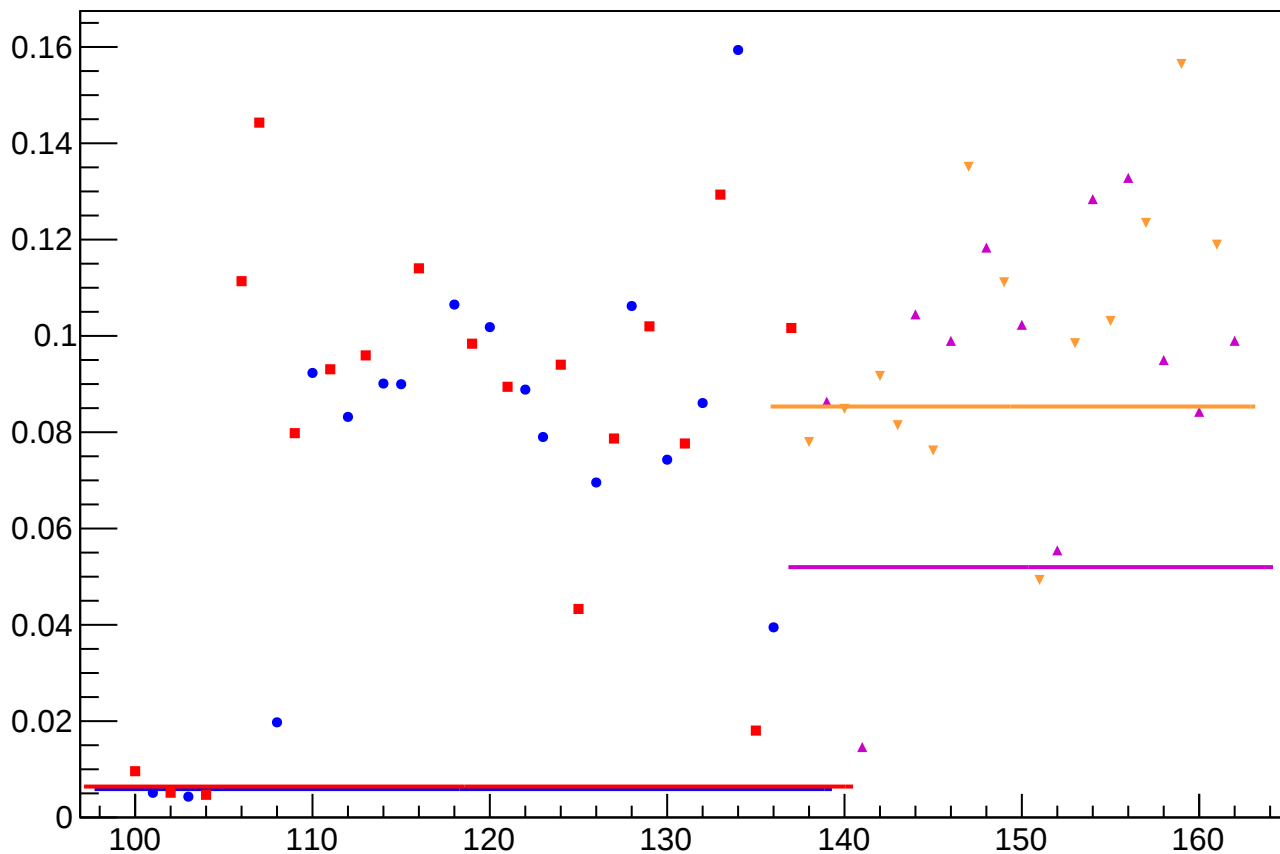
Left In: -4.151+/-0.000 χ^2/NDF : 21099057.9/11

+ sign -5.907+/-0.000 χ^2/NDF : 16659558277.1/29

All: -5.875+/-0.000 χ^2/NDF : 36519555110.8/30

- sign -5.836+/-0.000 χ^2/NDF : 19751326627.0/30

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7934545.2/16

Left Out: 0.085 $\pm$ 0.000 χ^2 /NDF:1489390.6/12

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

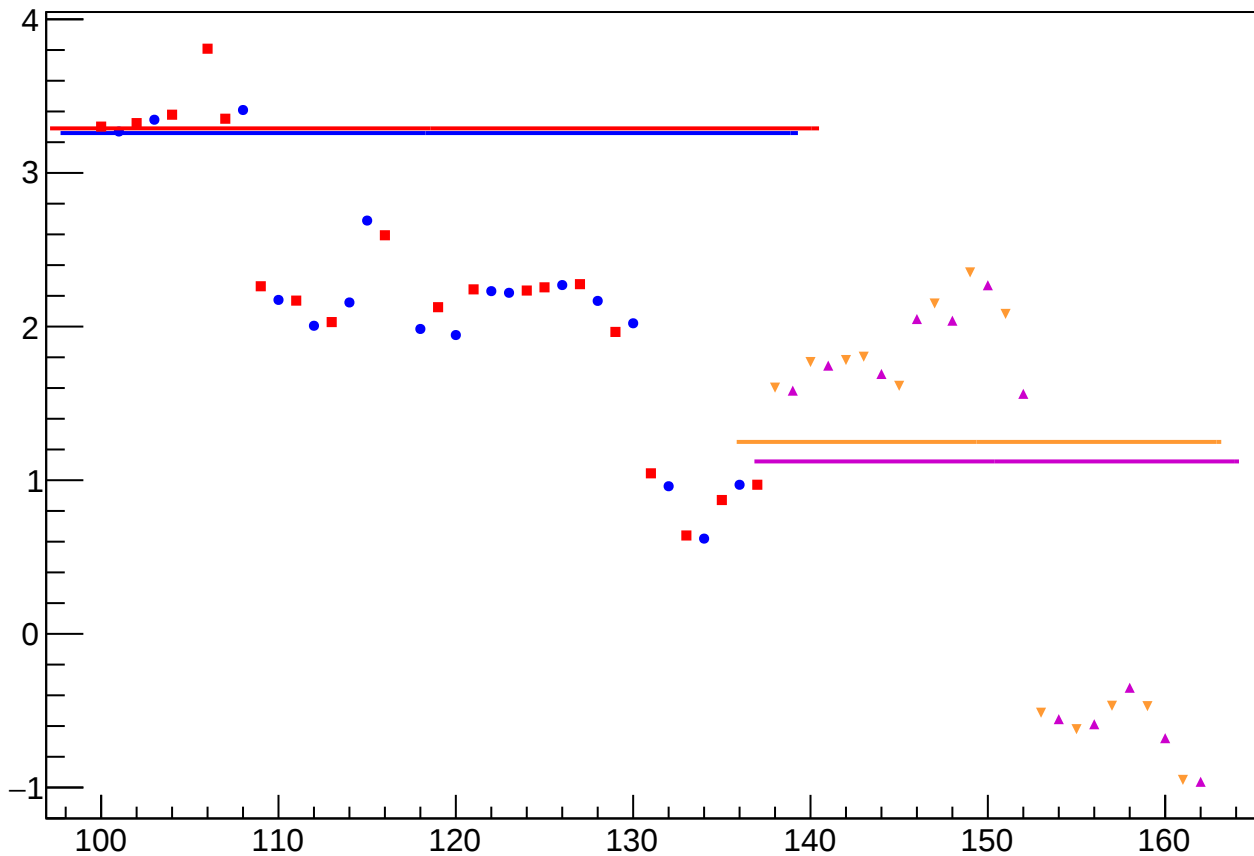
Left In: 0.052 $\pm$ 0.000 χ^2 /NDF:5872295.1/11

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 22497849.1/29

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 43729264.8/60

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 21206530.8/30

yield_bpm0l03Y_mean vs Slug



Right In: 3.259 $\pm$ 0.000 χ^2 /NDF: 2921931976.8/16

Left Out: 1.249 $\pm$ 0.000 χ^2 /NDF: 1201729074.5/12

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3262231575.5/18

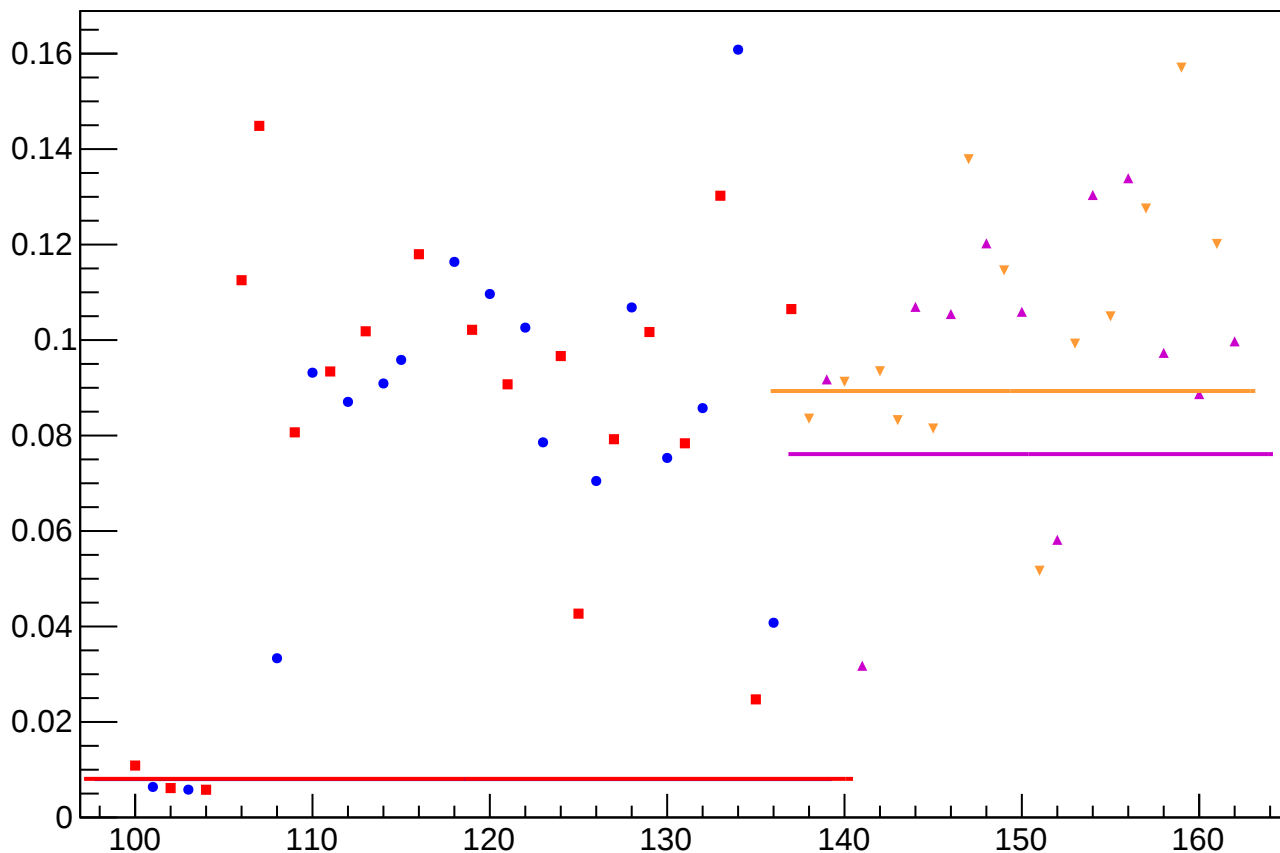
Left In: 1.122 $\pm$ 0.000 χ^2 /NDF: 1318016089.0/11

+ sign 3.194 $\pm$ 0.000 χ^2 /NDF: 7935596513.6/29

All: 3.198 $\pm$ 0.000 χ^2 /NDF: 17536912413.3/6

- sign 3.202 $\pm$ 0.000 χ^2 /NDF: 9600166159.0/30

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.089 $\pm$ 0.000 χ^2 /NDF:1365572.9/12

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

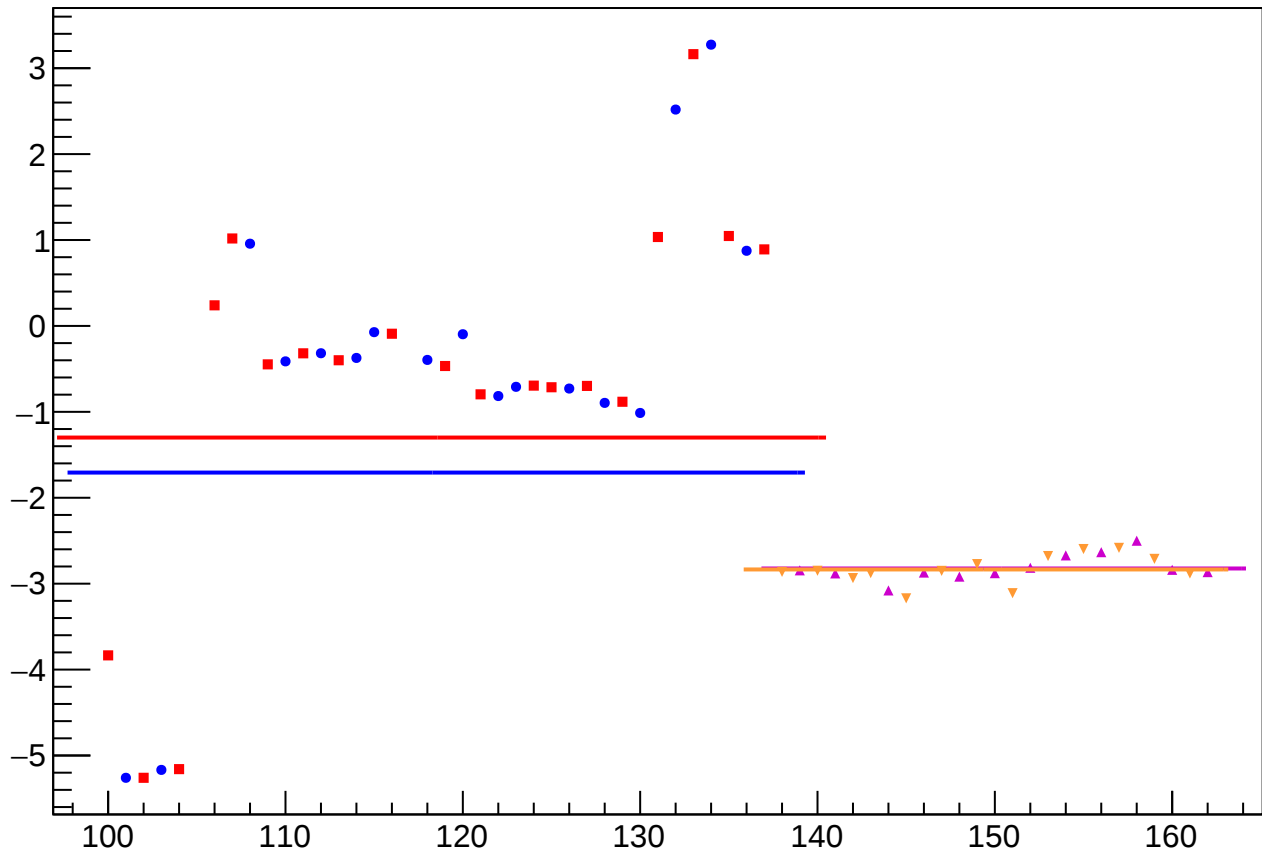
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:2613101.2/11

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 21574764.0/29

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 42385449.0/60

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 20810248.2/30

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.835+/-0.000 χ^2/NDF : 4339206416.5/12

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

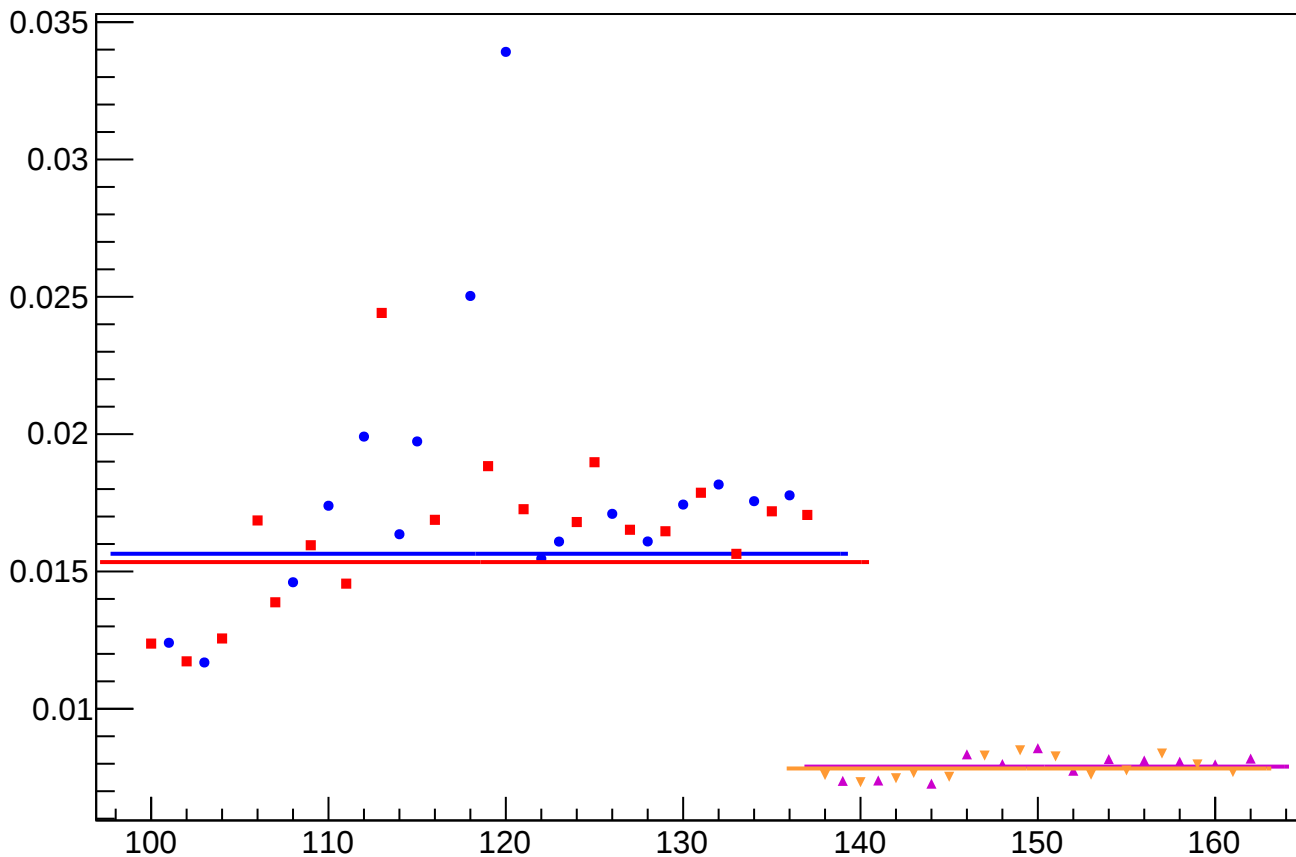
Left In: -2.823+/-0.000 χ^2/NDF : 3223200211.0/11

+ sign -2.686+/-0.000 χ^2/NDF : 195762578912.8/29

All: -2.640+/-0.000 χ^2/NDF : 429716347236.8

- sign -2.594+/-0.000 χ^2/NDF : 233204159569.3/30

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.008+/-0.000 χ^2/NDF : 40038.5/12

Right Out: 0.015+/-0.000 χ^2/NDF : 353806.7/18

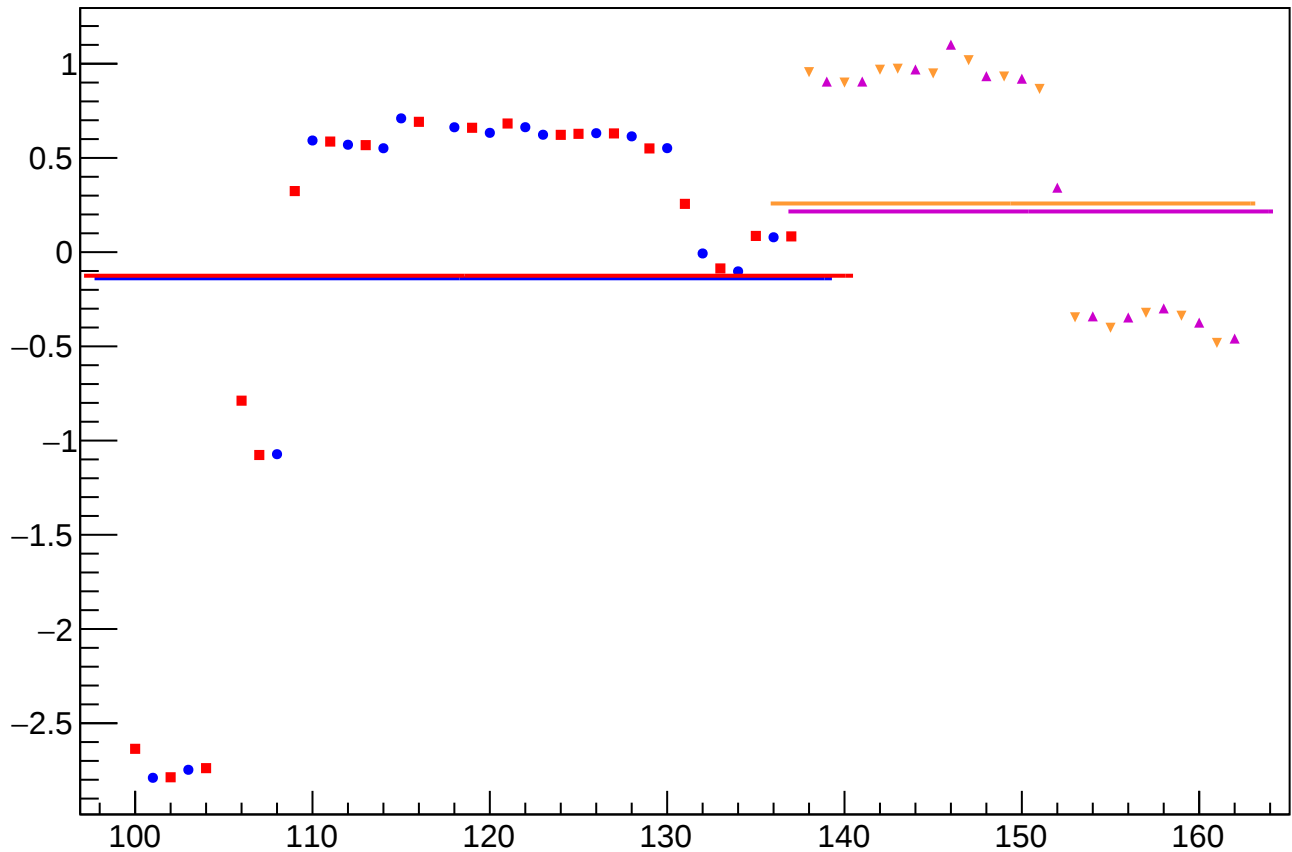
Left In: 0.008+/-0.000 χ^2/NDF : 47340.8/11

+ sign 0.009+/-0.000 χ^2/NDF : 3049720.8/29

All: 0.009+/-0.000 χ^2/NDF : 5935893.2/60

- sign 0.009+/-0.000 χ^2/NDF : 2881553.6/30

yield_bpm0l04Y_mean vs Slug



Right In: -0.139 ± 0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.258 ± 0.000 χ^2/NDF : 97398019109.6/12

Right Out: -0.125 ± 0.000 χ^2/NDF : 761496762534.7/18

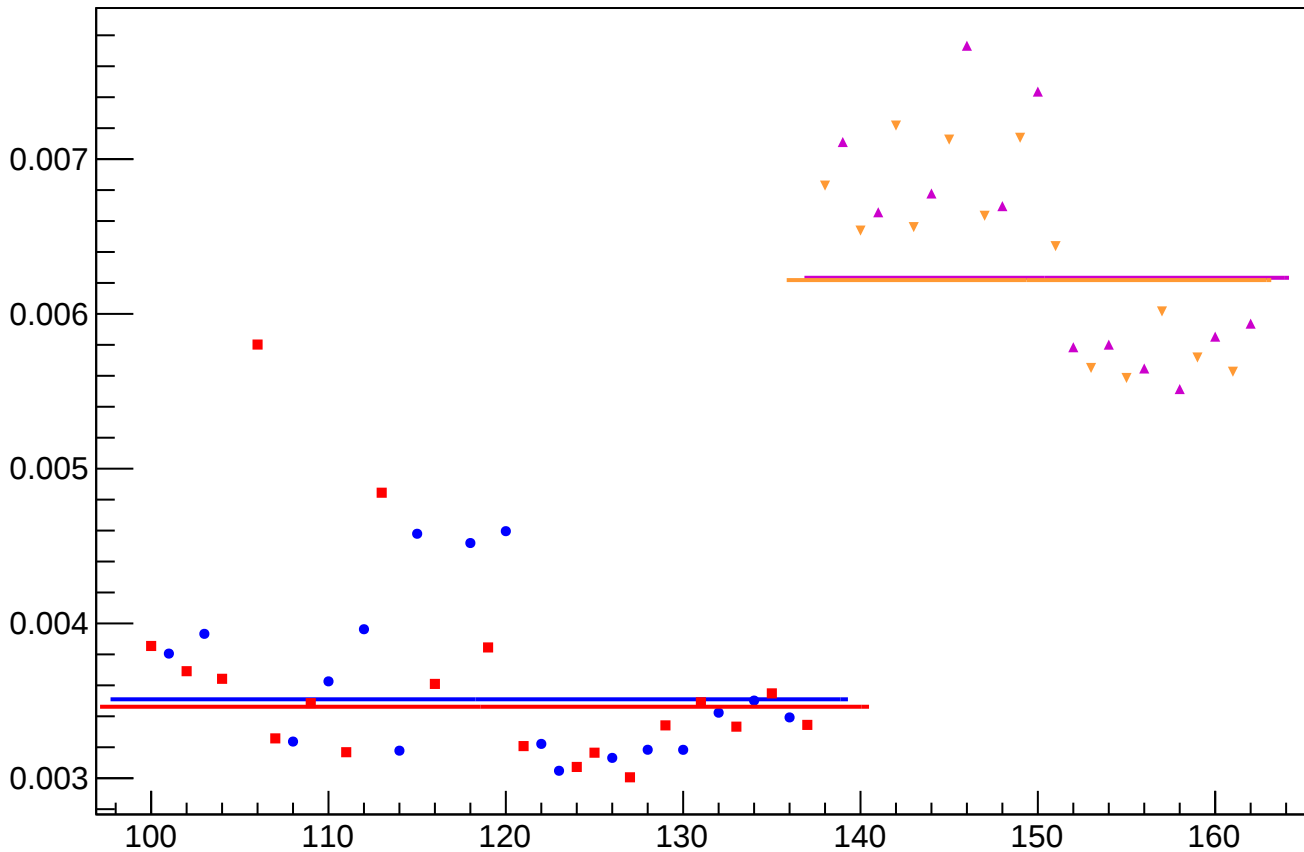
Left In: 0.216 ± 0.000 χ^2/NDF : 85775989804.9/11

+ sign -0.019 ± 0.000 χ^2/NDF : 836859912183.9/29

All: -0.023 ± 0.000 χ^2/NDF : 1702790177469

- sign -0.028 ± 0.000 χ^2/NDF : 865899792539.7/30

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 :146274.4/12

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

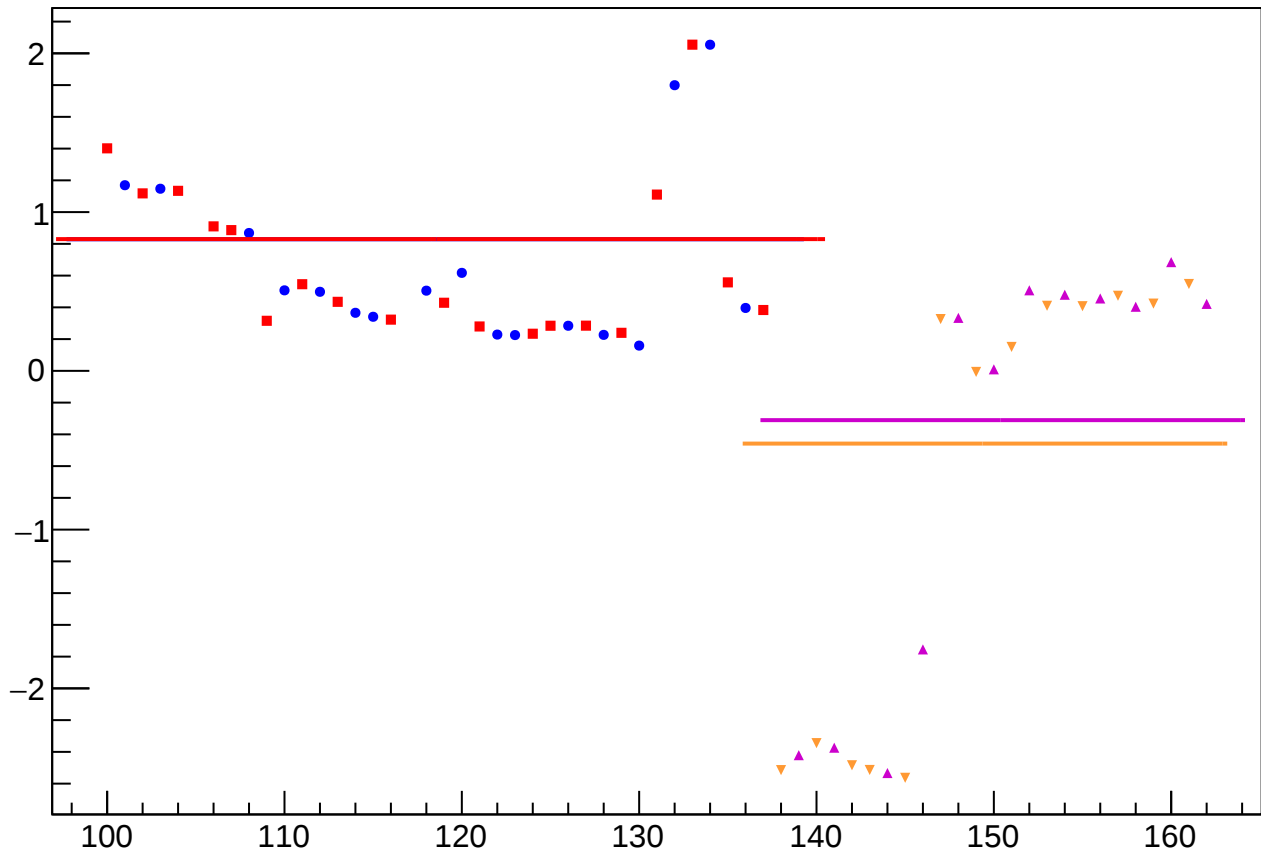
Left In: 0.006+/-0.000 χ^2/NDF :198802.6/11

+ sign 0.004+/-0.000 χ^2/NDF : 2590289.6/29

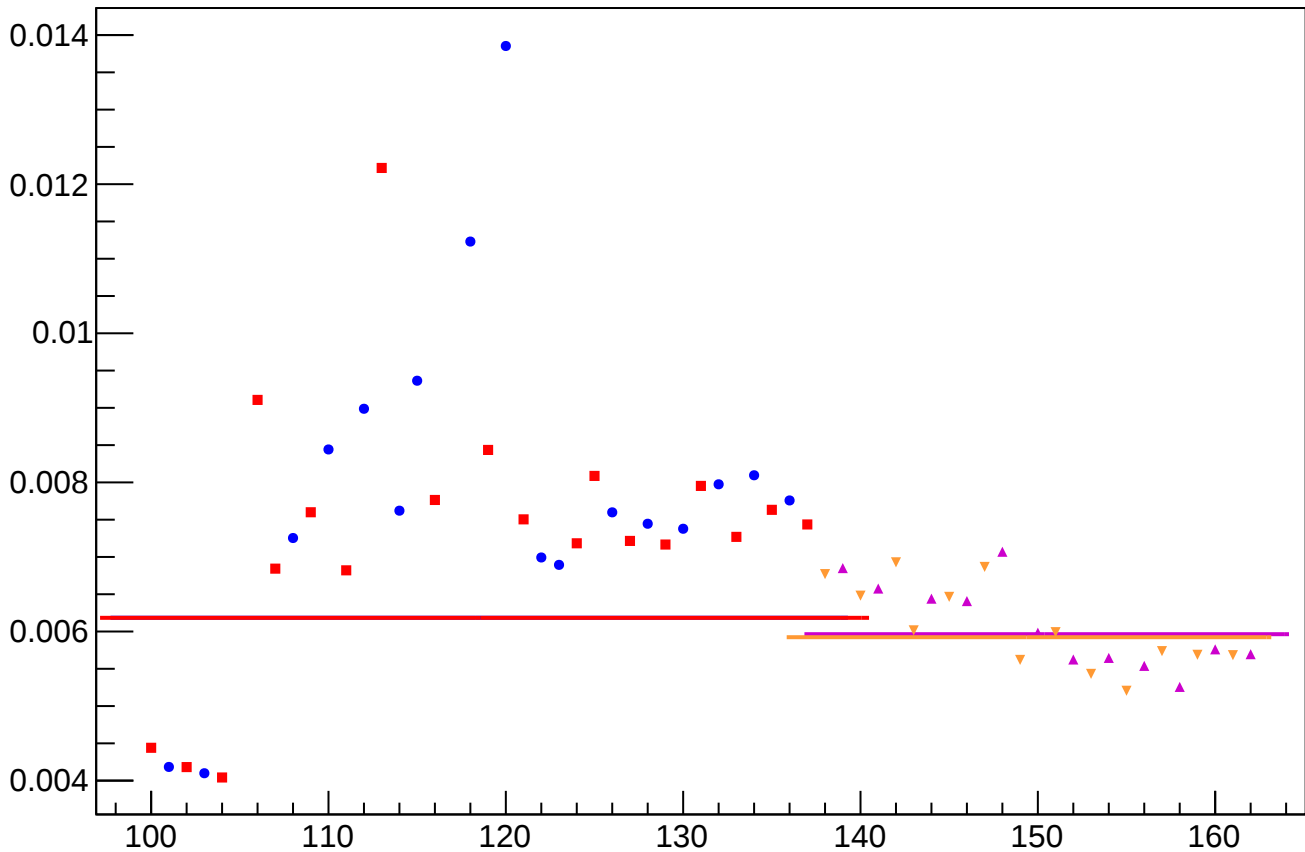
All: 0.004+/-0.000 χ^2/NDF : 5469439.5/60

- sign 0.004+/-0.000 χ^2/NDF : 2874868.7/30

yield_bpm0l05X_mean vs Slug



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 : 137705.5/12

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

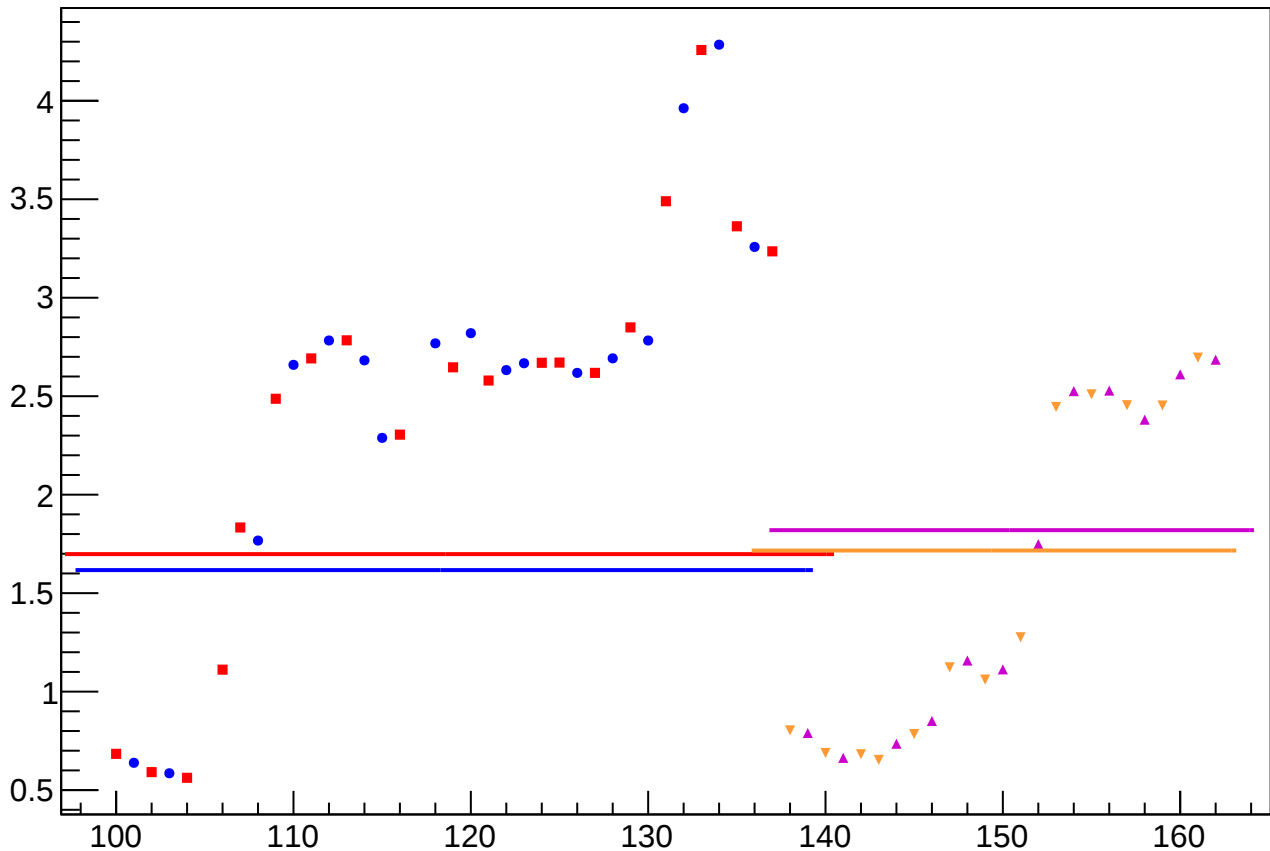
Left In: 0.006+/-0.000 χ^2/NDF : 140068.9/11

+ sign 0.006+/-0.000 χ^2/NDF : 1378942.1/29

All: 0.006+/-0.000 χ^2/NDF : 2555373.9/60

- sign 0.006+/-0.000 χ^2/NDF : 1176054.8/30

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.716+/-0.000 χ^2/NDF : 183622780966.0/12

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

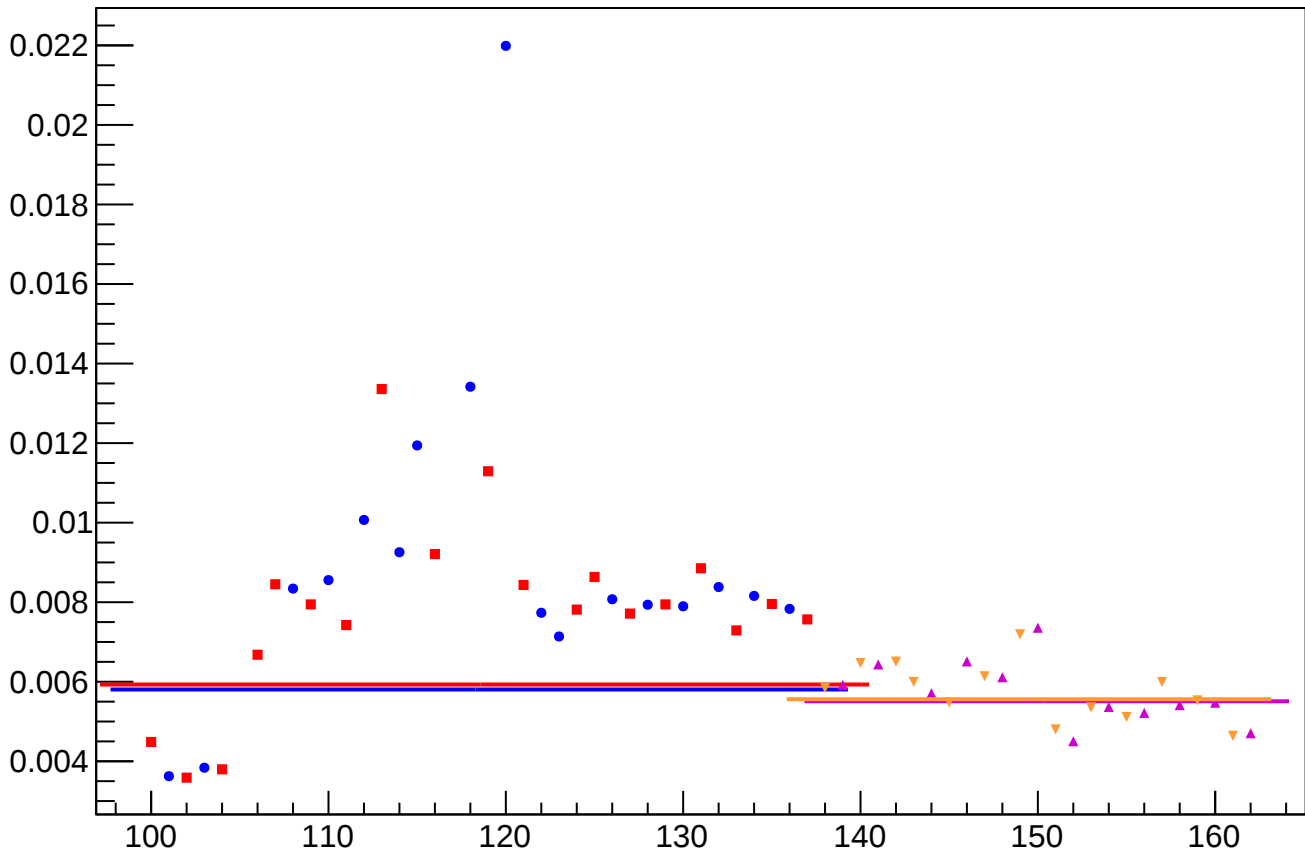
Left In: 1.820+/-0.000 χ^2/NDF : 173690349648.8/11

+ sign 1.682+/-0.000 χ^2/NDF : 387436212789.6/29

All: 1.731+/-0.000 χ^2/NDF : 791895720626.3

- sign 1.777+/-0.000 χ^2/NDF : 402557995874.0/30

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.006+/-0.000 χ^2/NDF :241842.7/12

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

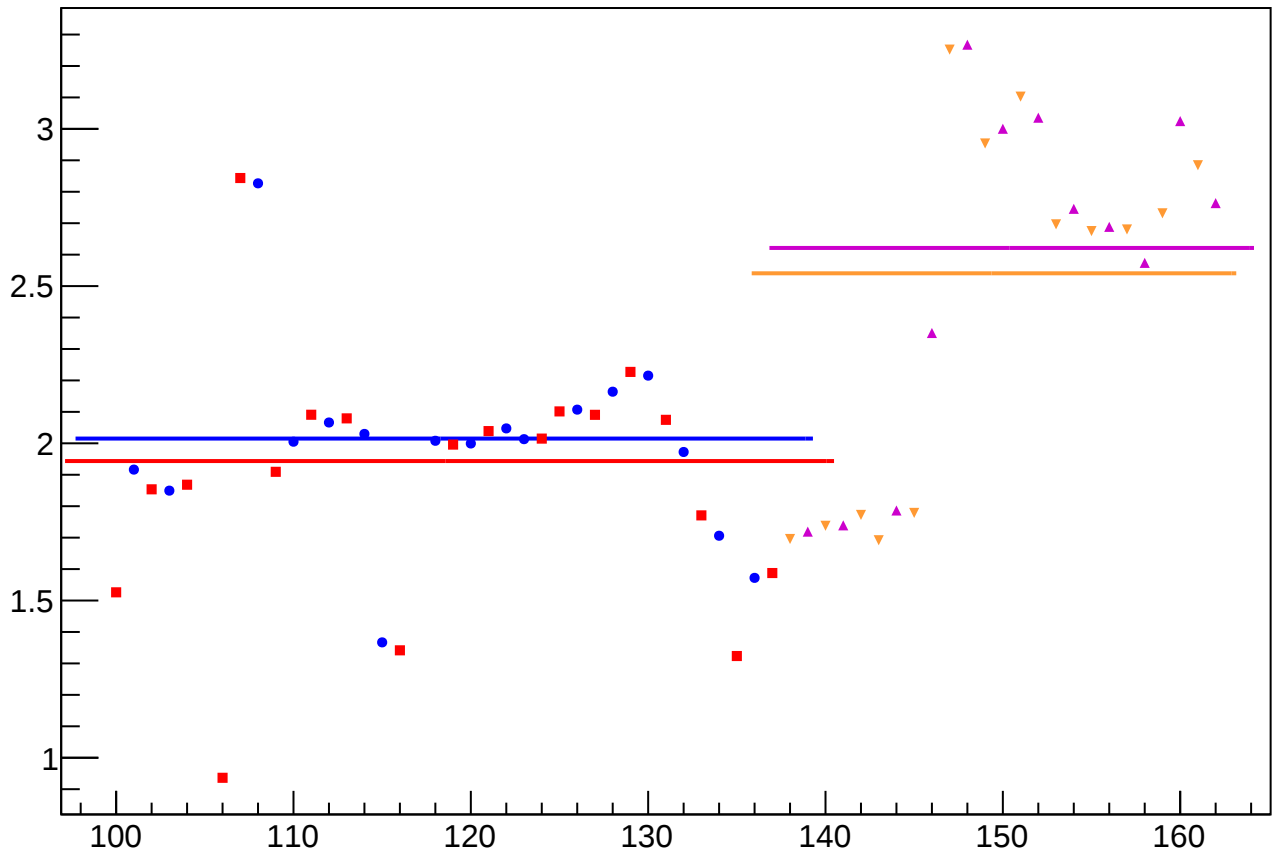
Left In: 0.006+/-0.000 χ^2/NDF :297348.0/11

+ sign 0.006+/-0.000 χ^2/NDF : 2171022.3/29

All: 0.006+/-0.000 χ^2/NDF : 4189097.5/60

- sign 0.006+/-0.000 χ^2/NDF : 2018019.6/30

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.541+/-0.000 χ^2/NDF : 47545168441.8/12

Right Out: 1.944+/-0.000 χ^2/NDF : 21427099579.0/18

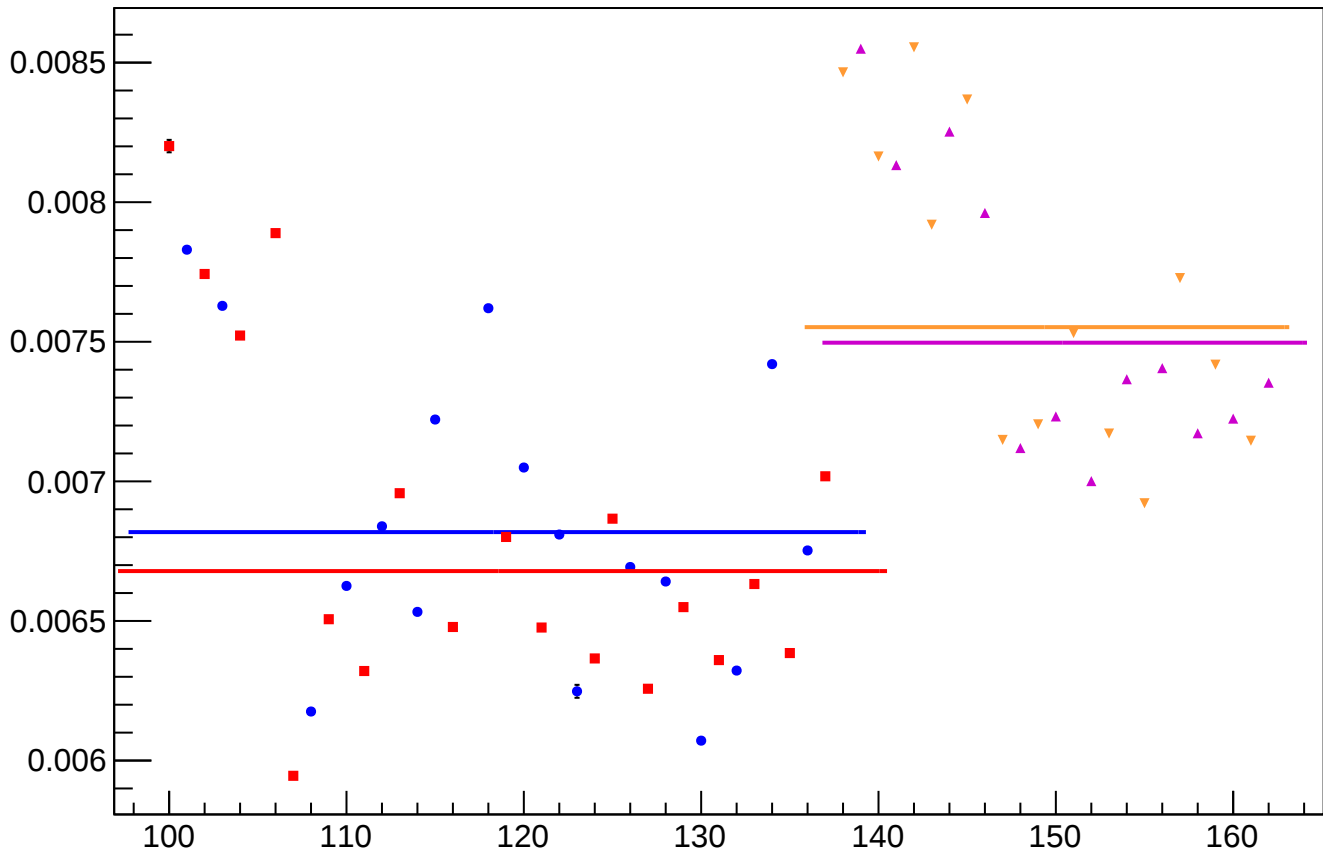
Left In: 2.621+/-0.000 χ^2/NDF : 40474635413.9/11

+ sign 2.299+/-0.000 χ^2/NDF : 80197848401.7/29

All: 2.297+/-0.000 χ^2/NDF : 178395888322.2

- sign 2.296+/-0.000 χ^2/NDF : 98196085136.0/30

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 75813.9/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:83273.6/12

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 75718.4/18

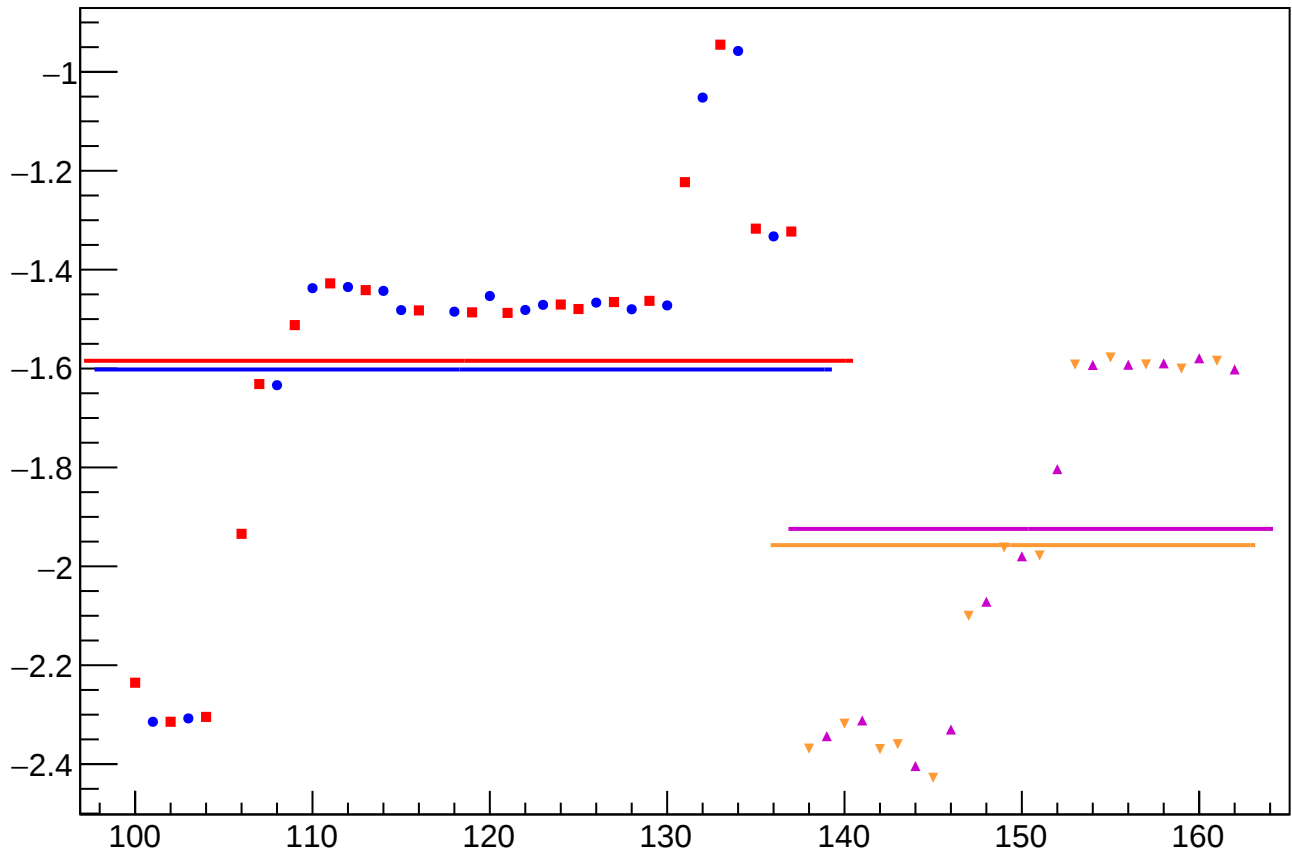
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:69807.4/11

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 238792.7/29

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 493896.4/60

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 251285.9/30

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.957+/-0.000 χ^2/NDF : 128294515053.4/12

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

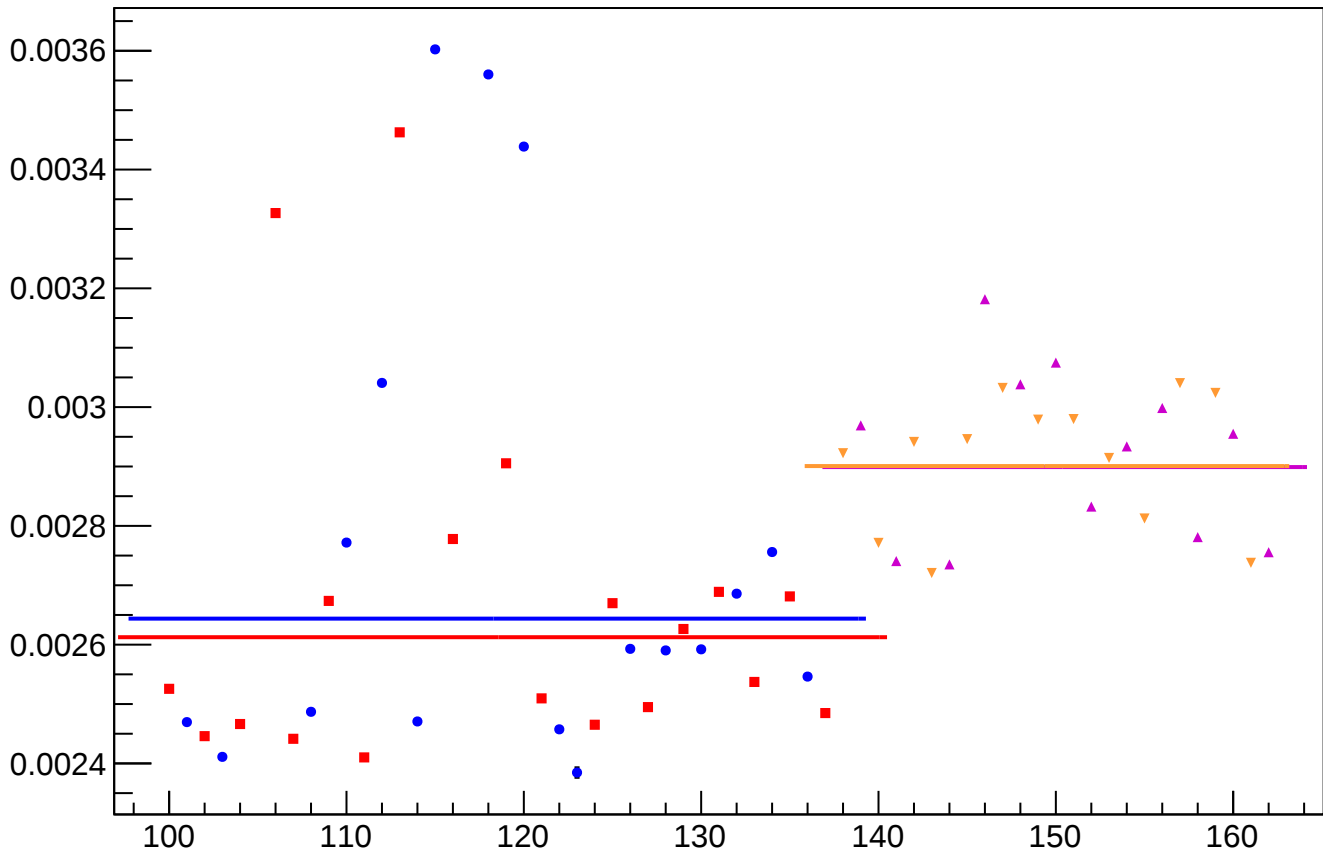
Left In: -1.924+/-0.000 χ^2/NDF : 120630136534.8/11

+ sign -1.796+/-0.000 χ^2/NDF : 330402297179.4/29

All: -1.779+/-0.000 χ^2/NDF : 655290403425.5

- sign -1.764+/-0.000 χ^2/NDF : 323837098441.7/30

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 : 26604.6/12

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

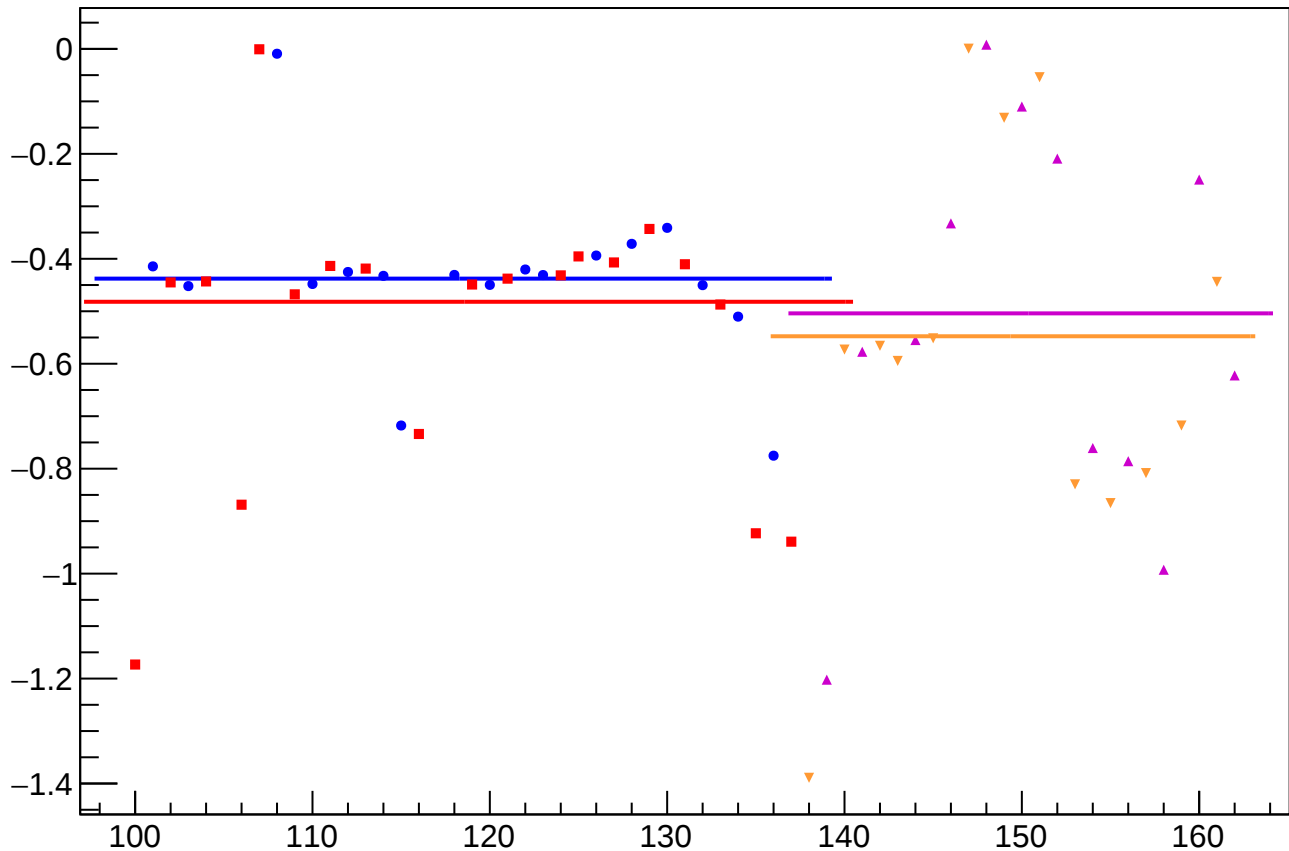
Left In: 0.003+/-0.000 χ^2/NDF : 41716.9/11

+ sign 0.003+/-0.000 χ^2/NDF : 242727.9/29

All: 0.003+/-0.000 χ^2/NDF : 475259.3/60

- sign 0.003+/-0.000 χ^2/NDF : 231686.2/30

yield_bpm0l07X_mean vs Slug



Right In: -0.438 ± 0.000 $\chi^2/\text{NDF}: 1462454117.6/16$

Left Out: -0.548 ± 0.000 $\chi^2/\text{NDF}: 7514221290.0/12$

Right Out: -0.482 ± 0.000 $\chi^2/\text{NDF}: 2694625740.7/18$

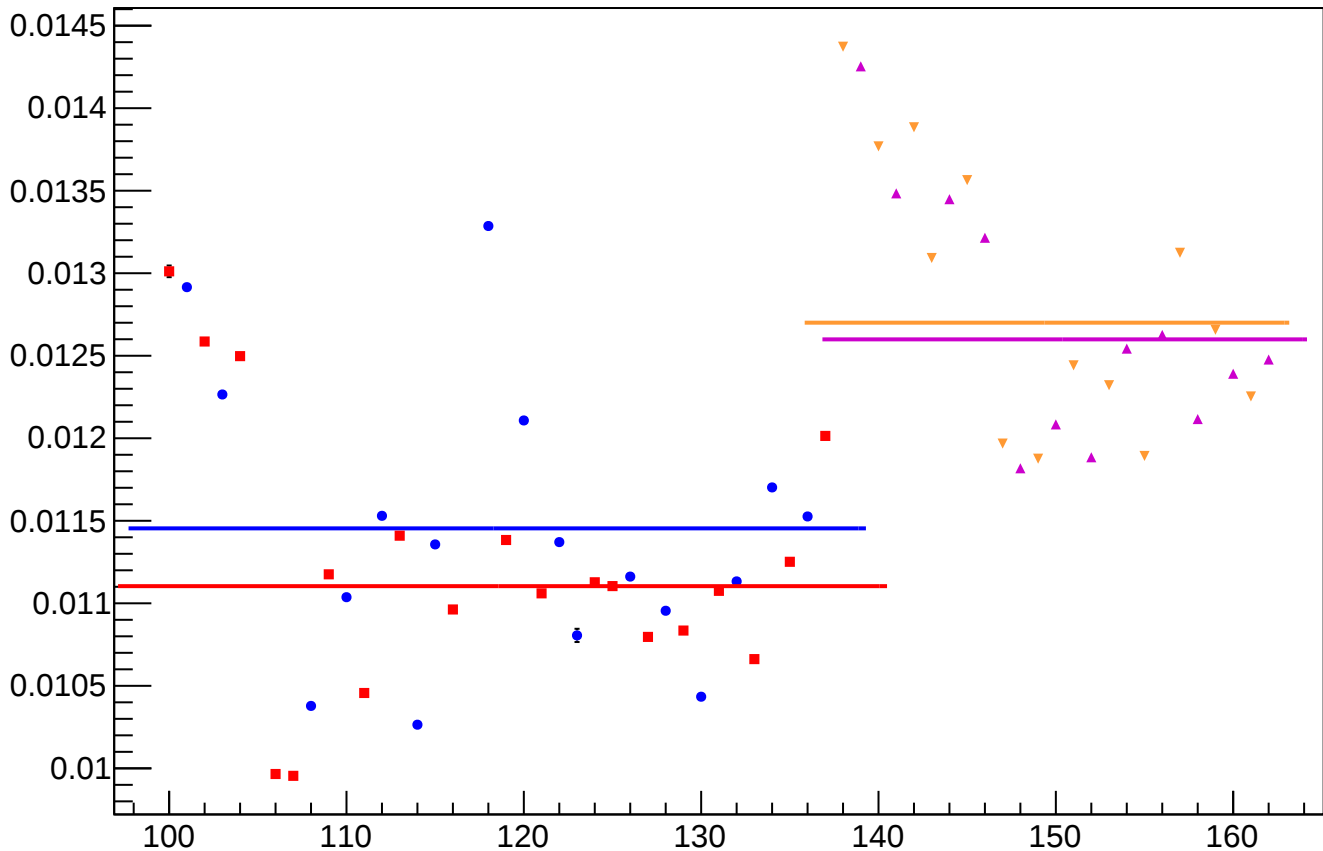
Left In: -0.504 ± 0.000 $\chi^2/\text{NDF}: 6934708345.1/11$

+ sign -0.497 ± 0.000 $\chi^2/\text{NDF}: 9296322842.1/29$

All: -0.495 ± 0.000 $\chi^2/\text{NDF}: 18940342119.0/30$

- sign -0.493 ± 0.000 $\chi^2/\text{NDF}: 9643287668.7/30$

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 : 65673.3/12

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

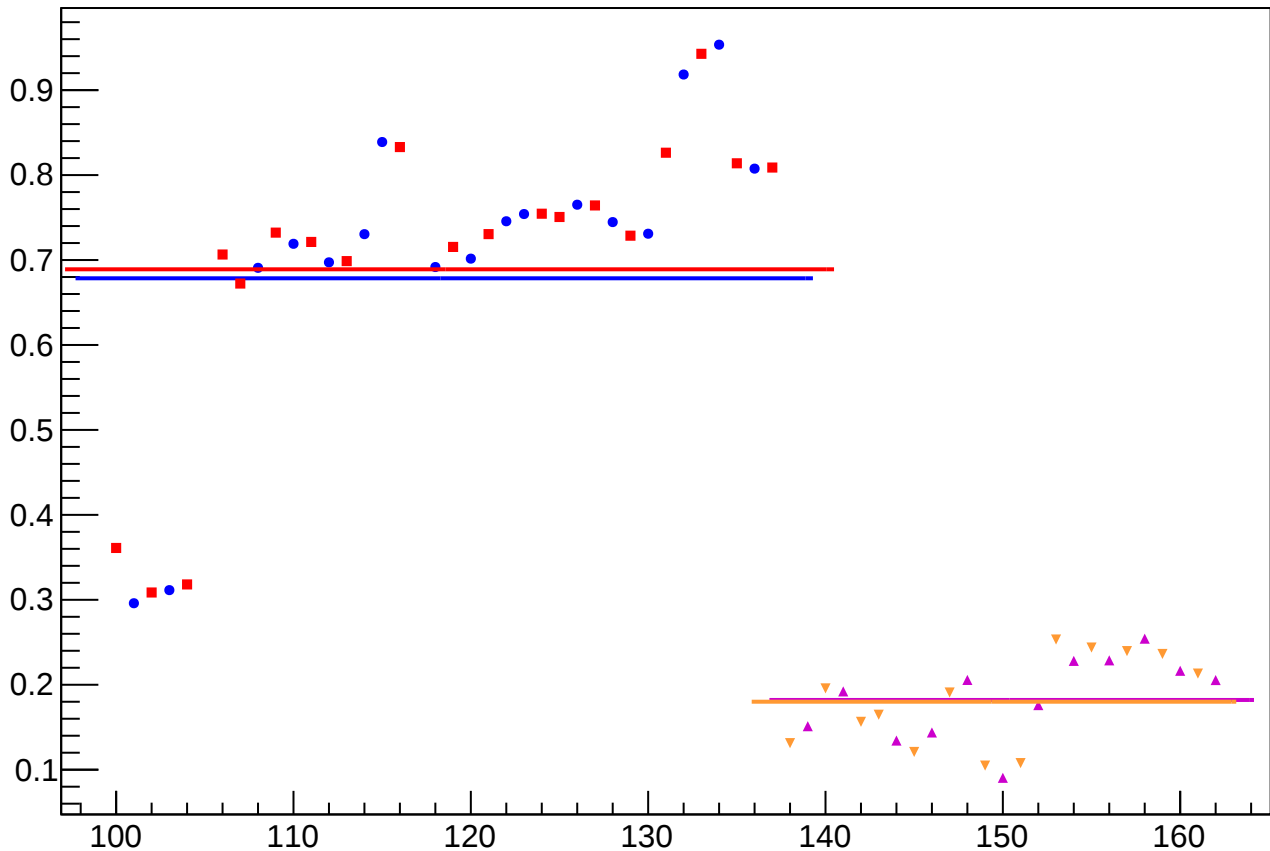
Left In: 0.013+/-0.000 χ^2/NDF : 52761.3/11

+ sign 0.012+/-0.000 χ^2/NDF : 212636.0/29

All: 0.012+/-0.000 χ^2/NDF : 456643.9/60

- sign 0.012+/-0.000 χ^2/NDF : 236548.6/30

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.180 $\pm$ 0.000 χ^2 /NDF: 5167275440.5/12

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

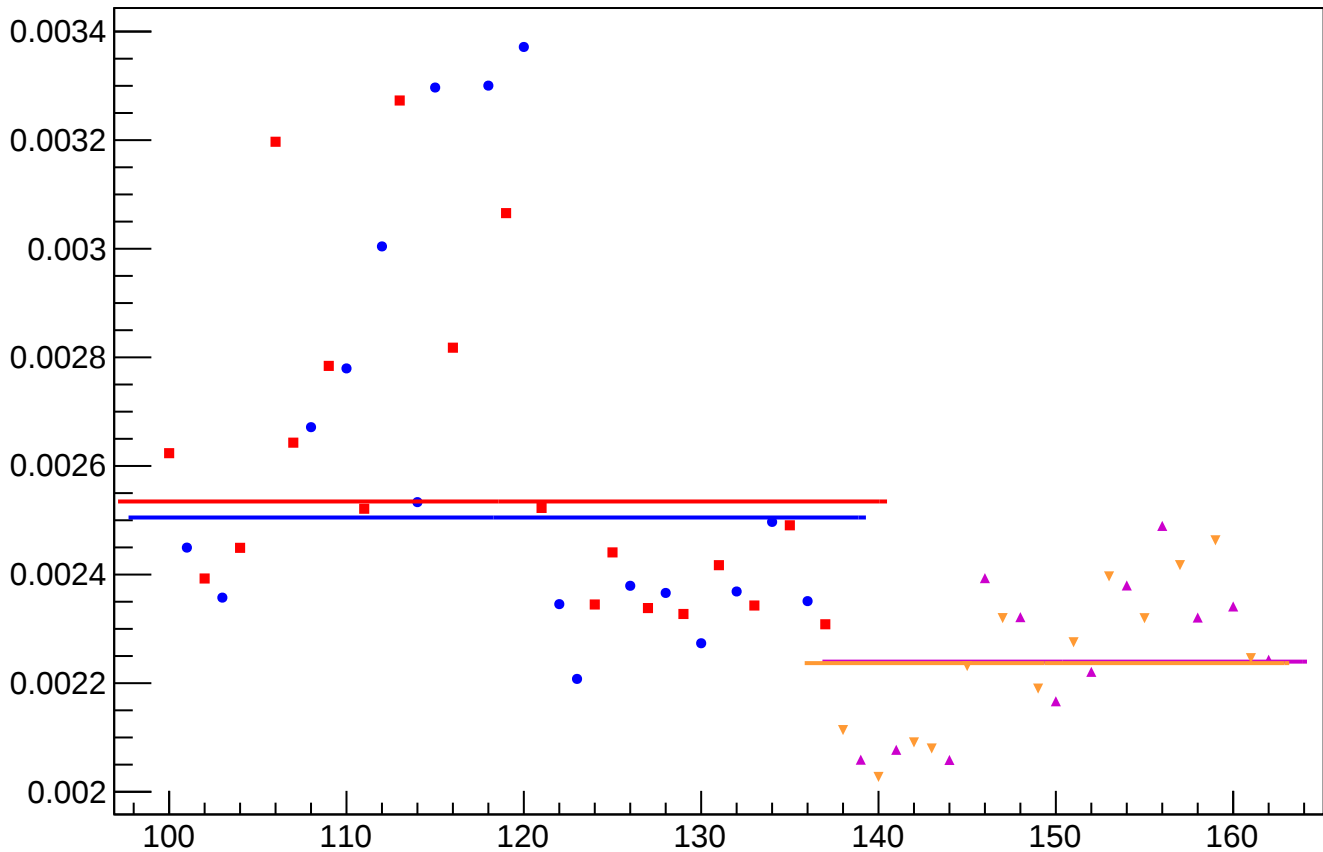
Left In: 0.182 $\pm$ 0.000 χ^2 /NDF: 4093841863.3/11

+ sign 0.353 $\pm$ 0.000 χ^2 /NDF: 208624550266.9/29

All: 0.357 $\pm$ 0.000 χ^2 /NDF: 421584170524.4

- sign 0.361 $\pm$ 0.000 χ^2 /NDF: 212848979096.9/30

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 68073.8/12

Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

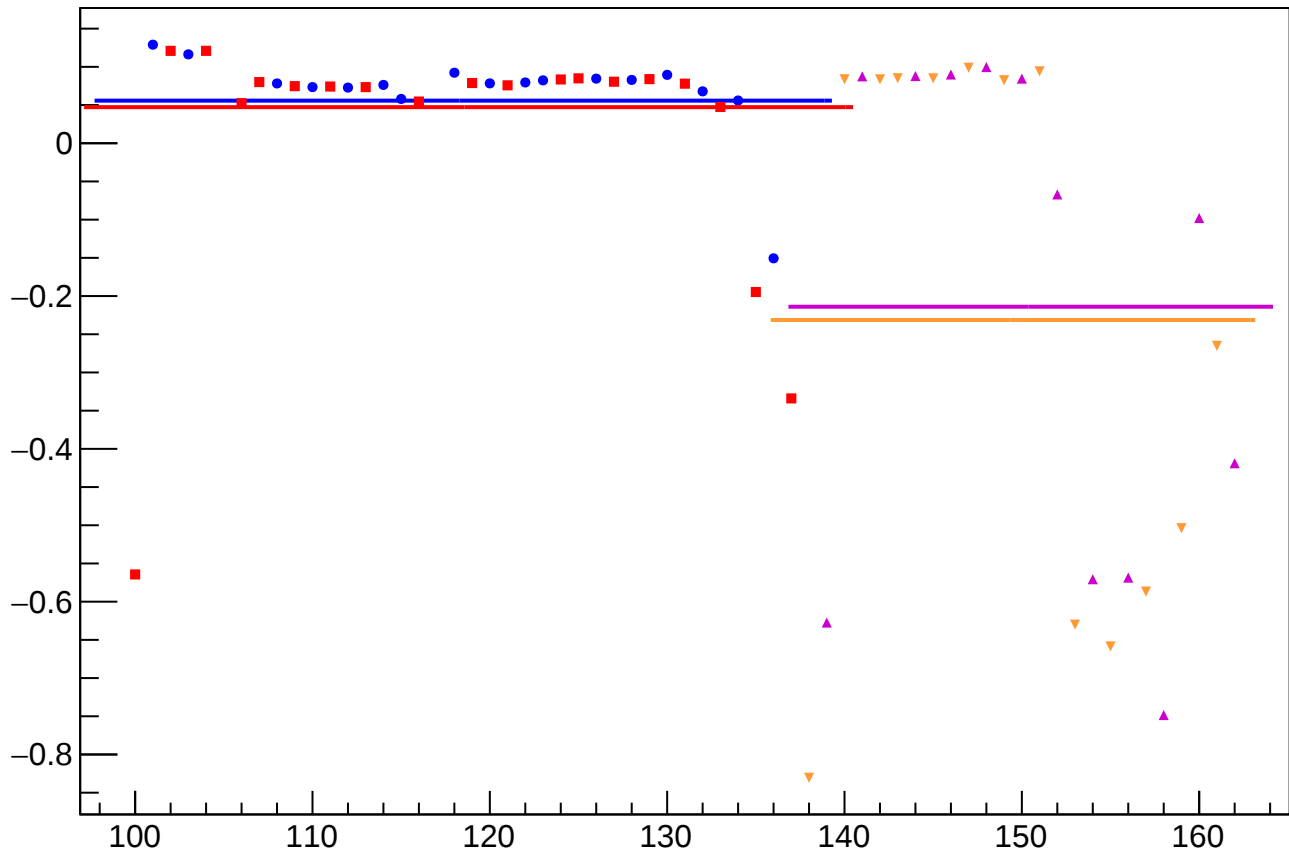
Left In: 0.002+/-0.000 χ^2/NDF : 70850.0/11

+ sign 0.002+/-0.000 χ^2/NDF : 339082.9/29

All: 0.002+/-0.000 χ^2/NDF : 659485.4/60

- sign 0.002+/-0.000 χ^2/NDF : 319813.9/30

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.231+/-0.000 χ^2/NDF : 8395107172.7/12

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

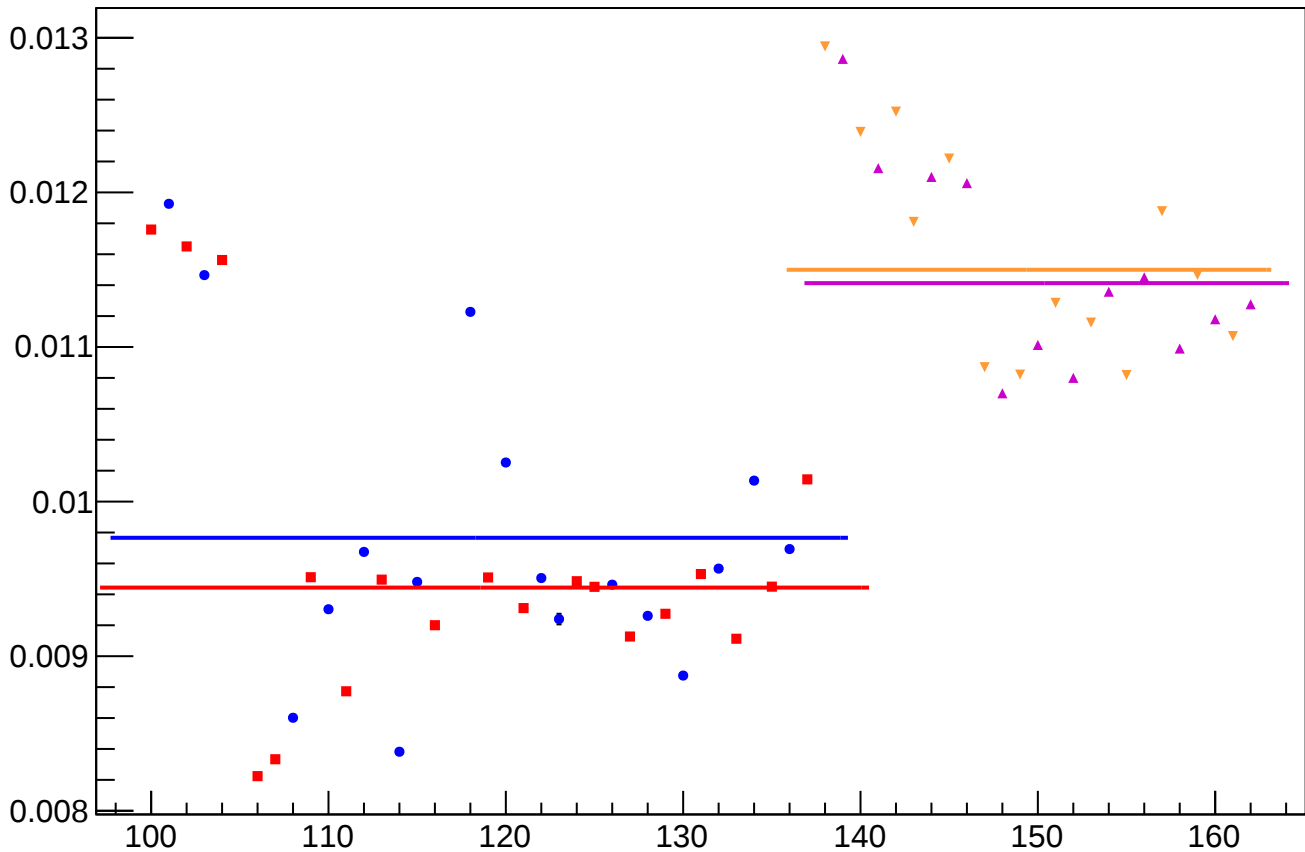
Left In: -0.214+/-0.000 χ^2/NDF : 7300922053.5/11

+ sign -0.090+/-0.000 χ^2/NDF : 11647254716.5/29

All: -0.084+/-0.000 χ^2/NDF : 22301256199.6/30

- sign -0.078+/-0.000 χ^2/NDF : 10642318007.6/30

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 116638.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 58638.9/12

Right Out: 0.009+/-0.000 χ^2/NDF : 110693.8/18

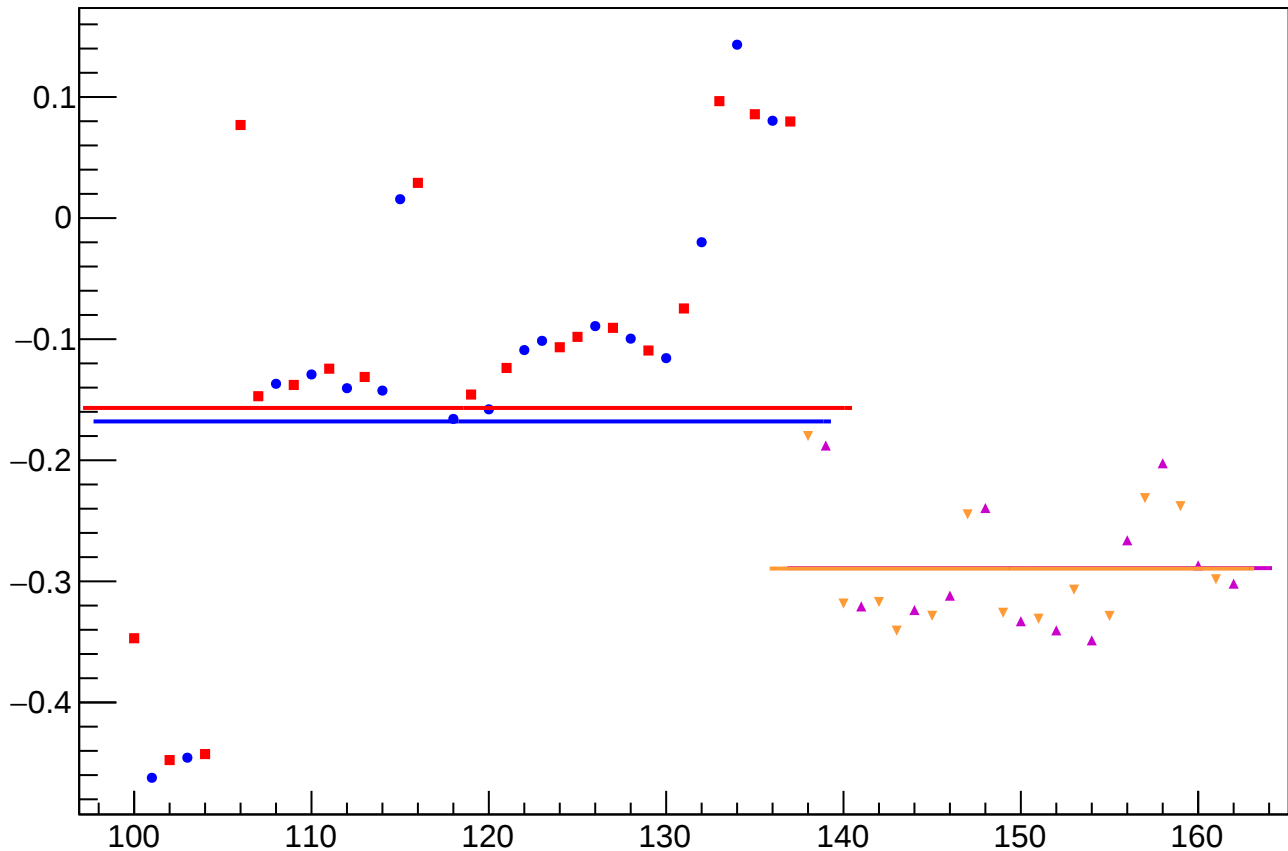
Left In: 0.011+/-0.000 χ^2/NDF : 49515.9/11

+ sign 0.011+/-0.000 χ^2/NDF : 381621.0/29

All: 0.011+/-0.000 χ^2/NDF : 838426.5/60

- sign 0.010+/-0.000 χ^2/NDF : 446899.8/30

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.289+/-0.000 χ^2/NDF : 2666721682.1/12

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

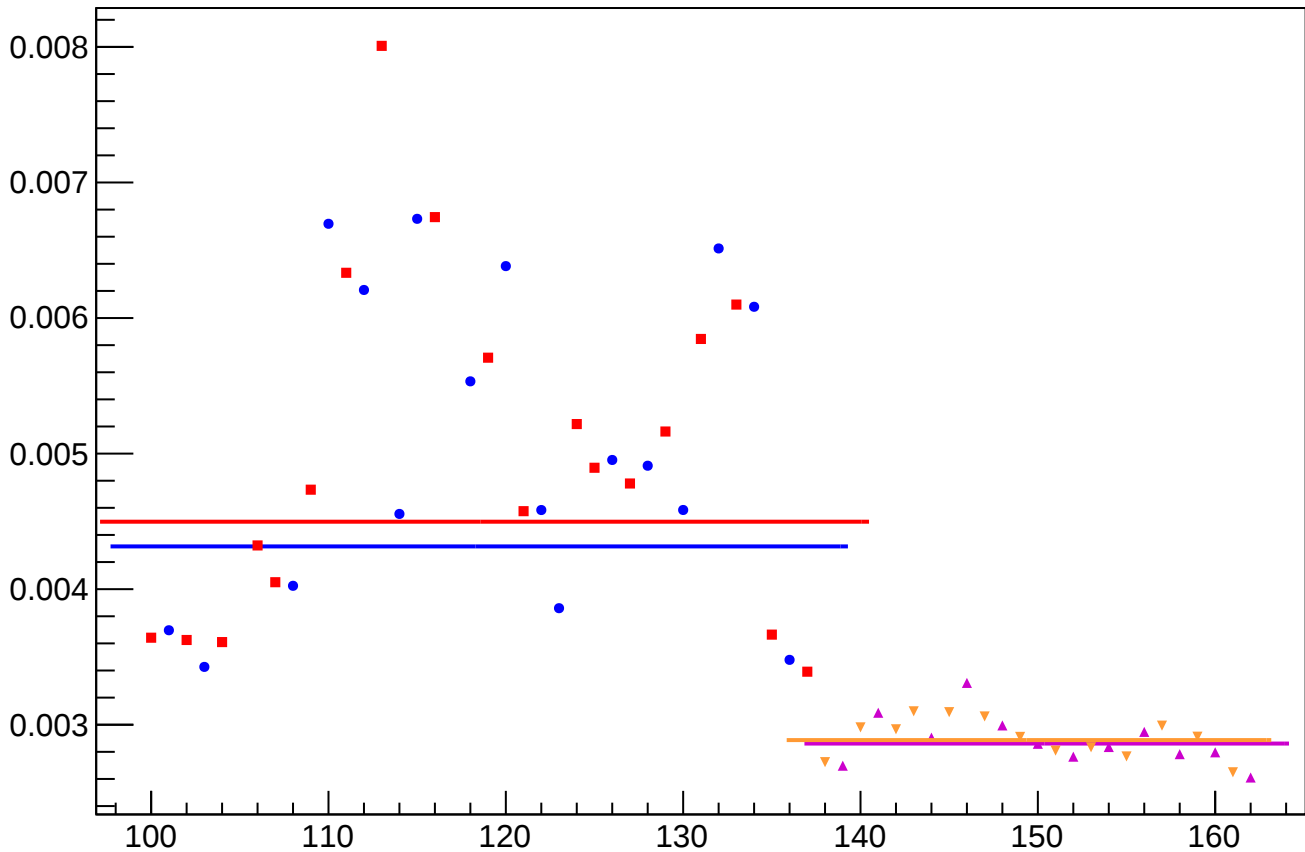
Left In: -0.289+/-0.000 χ^2/NDF : 3052047550.4/11

+ sign -0.263+/-0.000 χ^2/NDF : 18590690643.4/29

All: -0.262+/-0.000 χ^2/NDF : 36898666194.7/30

- sign -0.261+/-0.000 χ^2/NDF : 18305027015.1/30

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 : 42921.6/12

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 649708.4/18

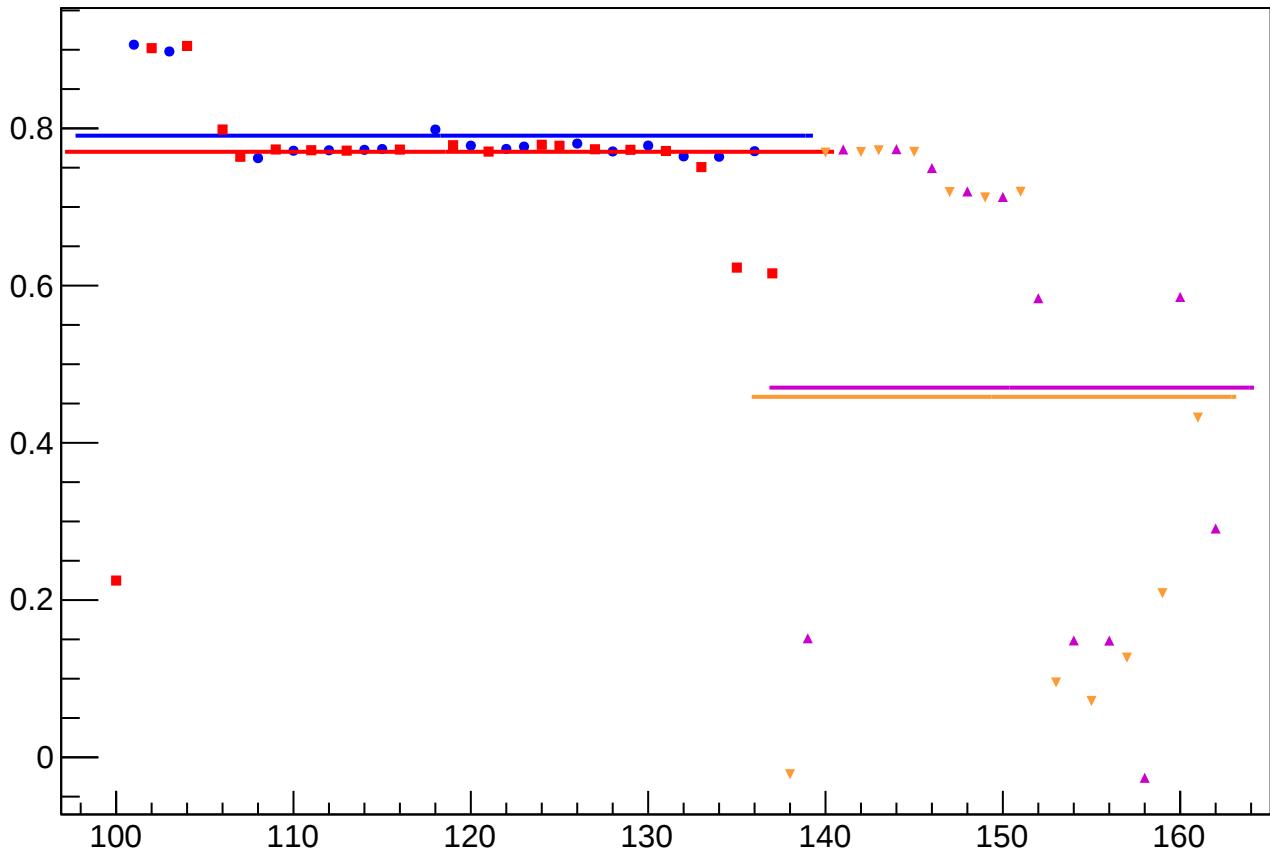
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 61951.4/11

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 1656143.5/29

All: 0.003 $\pm$ 0.000 χ^2/NDF : 3661878.6/60

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 2005546.4/30

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.458 $\pm$ 0.000 χ^2 /NDF: 6960871978.5/12

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

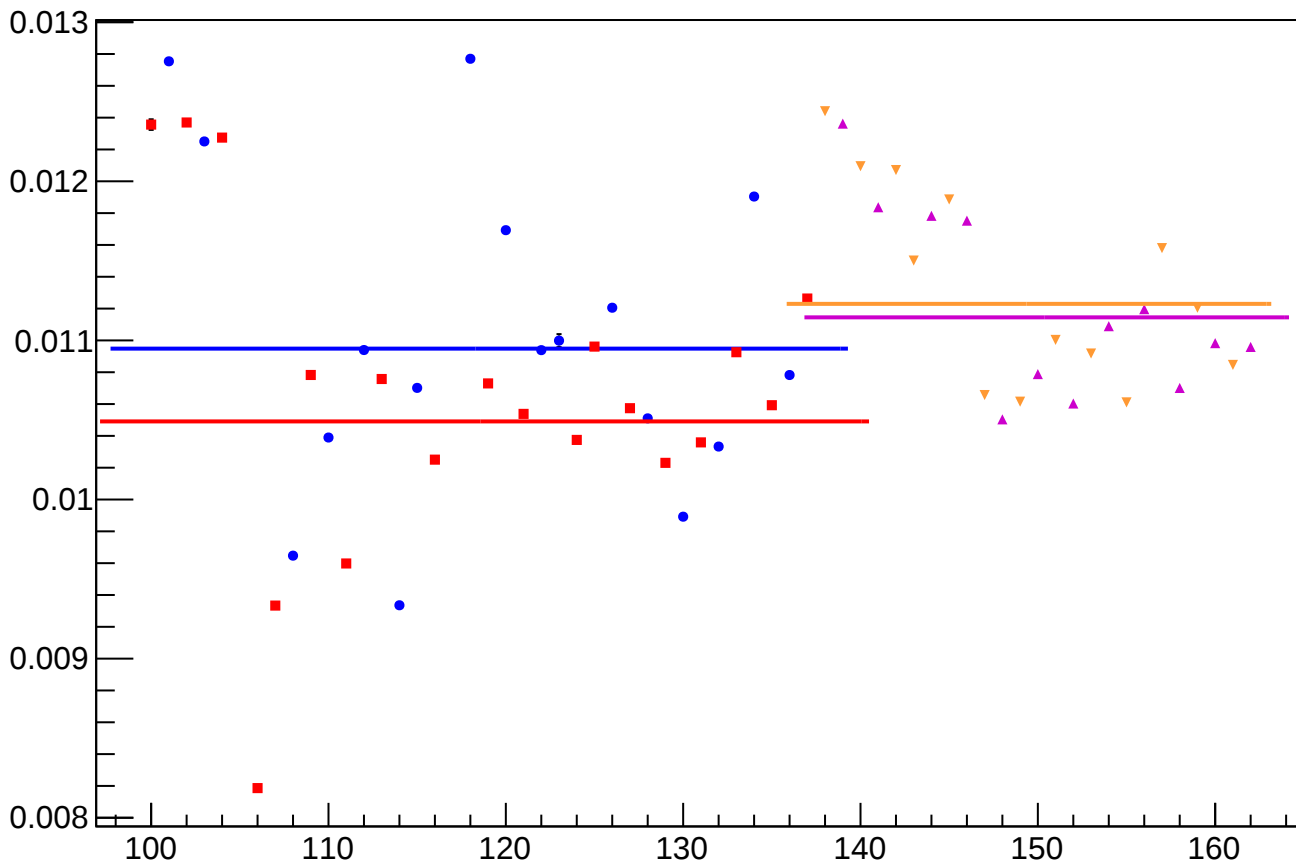
Left In: 0.470 $\pm$ 0.000 χ^2 /NDF: 6197458485.3/11

+ sign 0.599 $\pm$ 0.000 χ^2 /NDF: 10500676462.4/29

All: 0.603 $\pm$ 0.000 χ^2 /NDF: 20145052692.2/6

- sign 0.607 $\pm$ 0.000 χ^2 /NDF: 9639423266.3/30

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 : 49581.8/12

Right Out: 0.010+/-0.000 χ^2/NDF : 119420.8/18

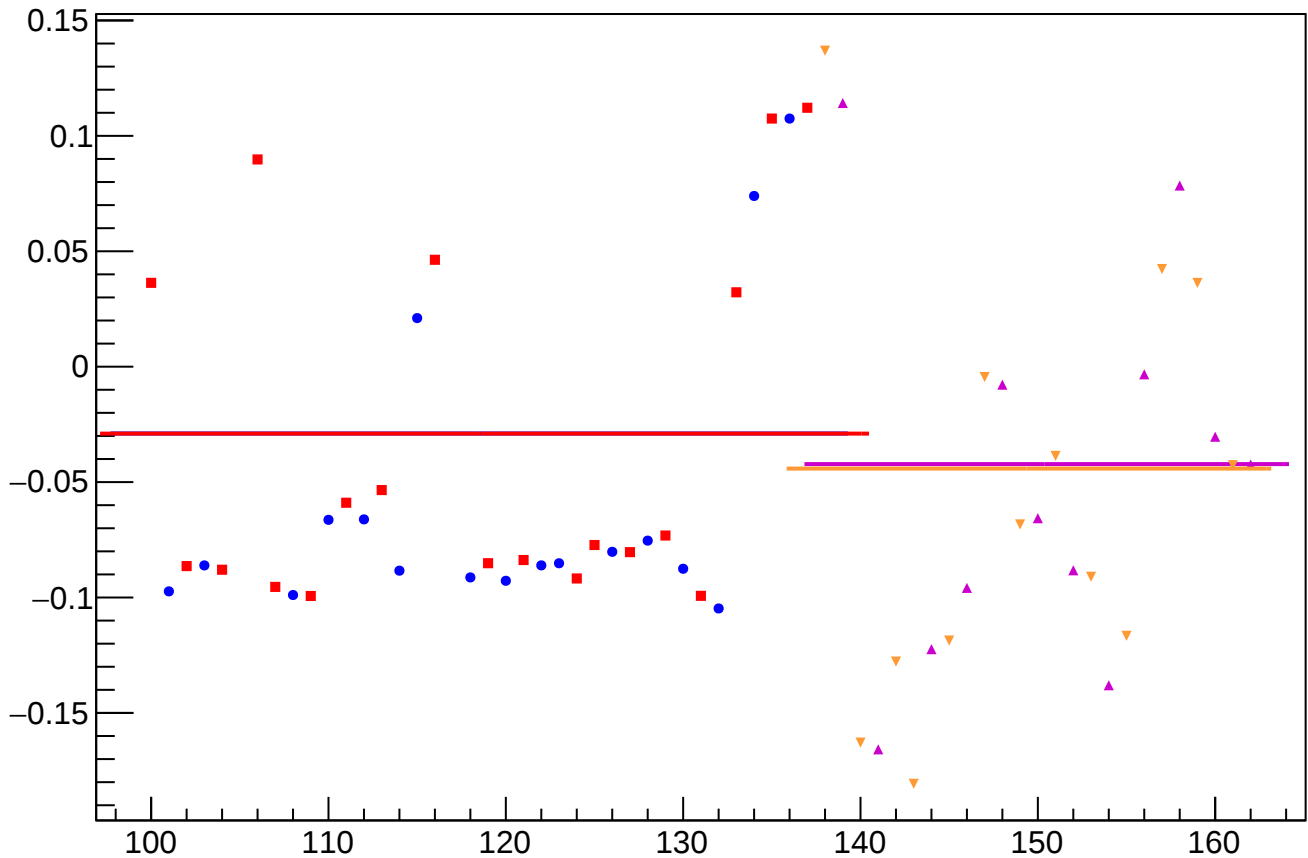
Left In: 0.011+/-0.000 χ^2/NDF : 42411.9/11

+ sign 0.011+/-0.000 χ^2/NDF : 153056.0/29

All: 0.011+/-0.000 χ^2/NDF : 353311.4/60

- sign 0.011+/-0.000 χ^2/NDF : 190983.4/30

yield_bpm0l09Y_mean vs Slug



Right In: -0.029 ± 0.000 $\chi^2/\text{NDF}: 2445975608.2/16$

Left Out: -0.044 ± 0.000 $\chi^2/\text{NDF}: 6595918923.1/12$

Right Out: -0.029 ± 0.000 $\chi^2/\text{NDF}: 2113349669.8/18$

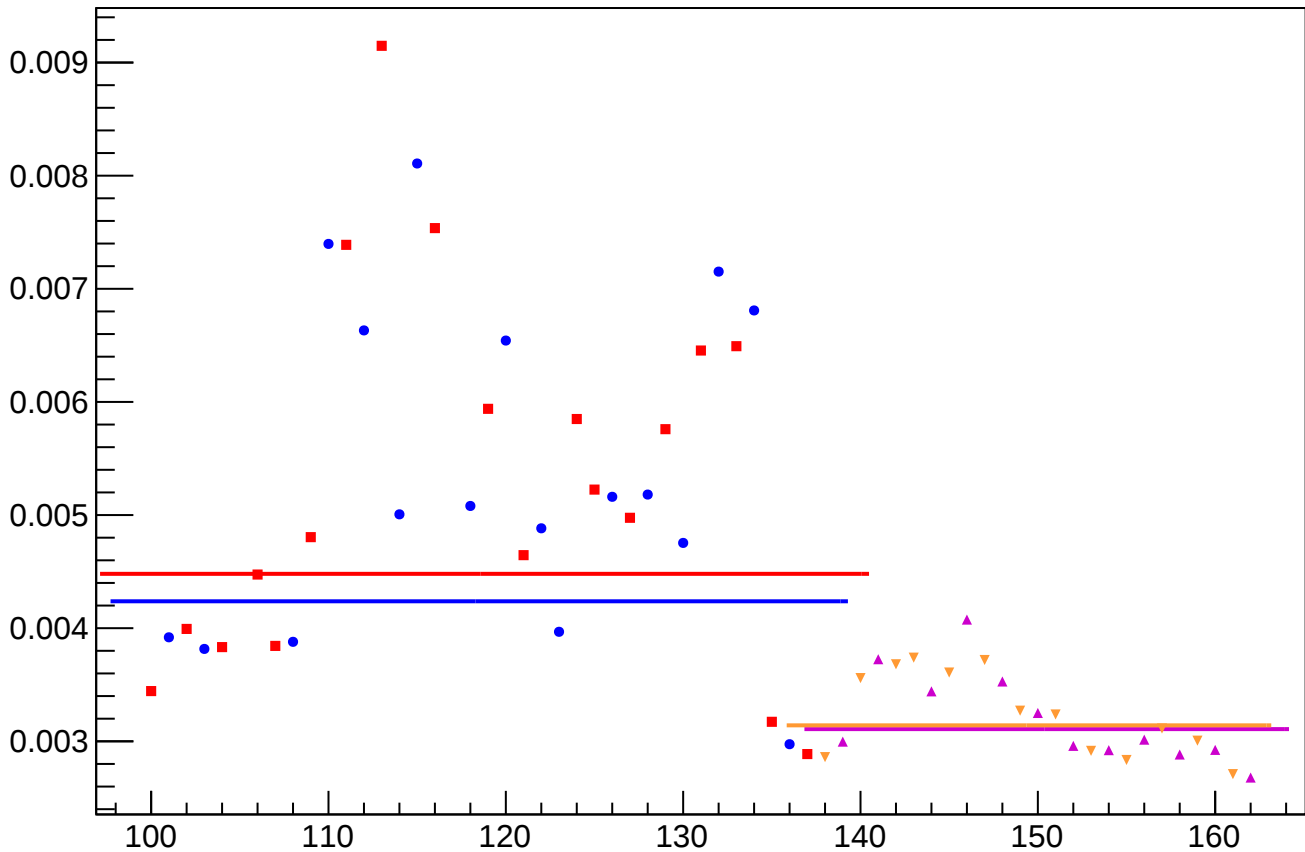
Left In: -0.042 ± 0.000 $\chi^2/\text{NDF}: 5822976727.0/11$

+ sign -0.040 ± 0.000 $\chi^2/\text{NDF}: 9094578123.7/29$

All: -0.040 ± 0.000 $\chi^2/\text{NDF}: 17070529886.8/30$

- sign -0.039 ± 0.000 $\chi^2/\text{NDF}: 7974967471.6/30$

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 881584.1/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:208337.3/12

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 984186.1/18

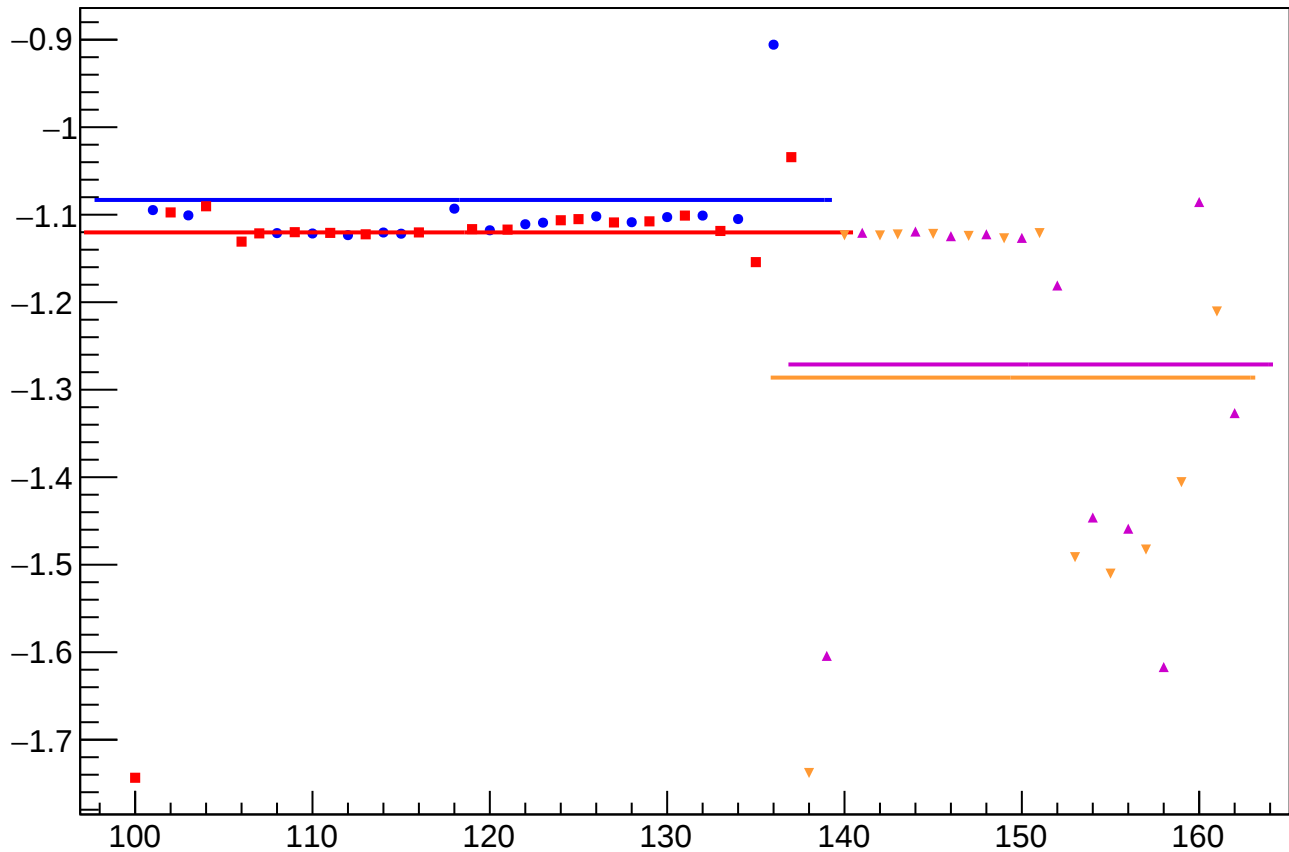
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:223472.2/11

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1637991.7/29

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3680290.6/60

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2041855.6/30

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2 /NDF: 202920901.6/16

Left Out: -1.286+/-0.000 χ^2 /NDF: 3551759328.9/12

Right Out: -1.120+/-0.000 χ^2 /NDF: 220571280.7/18

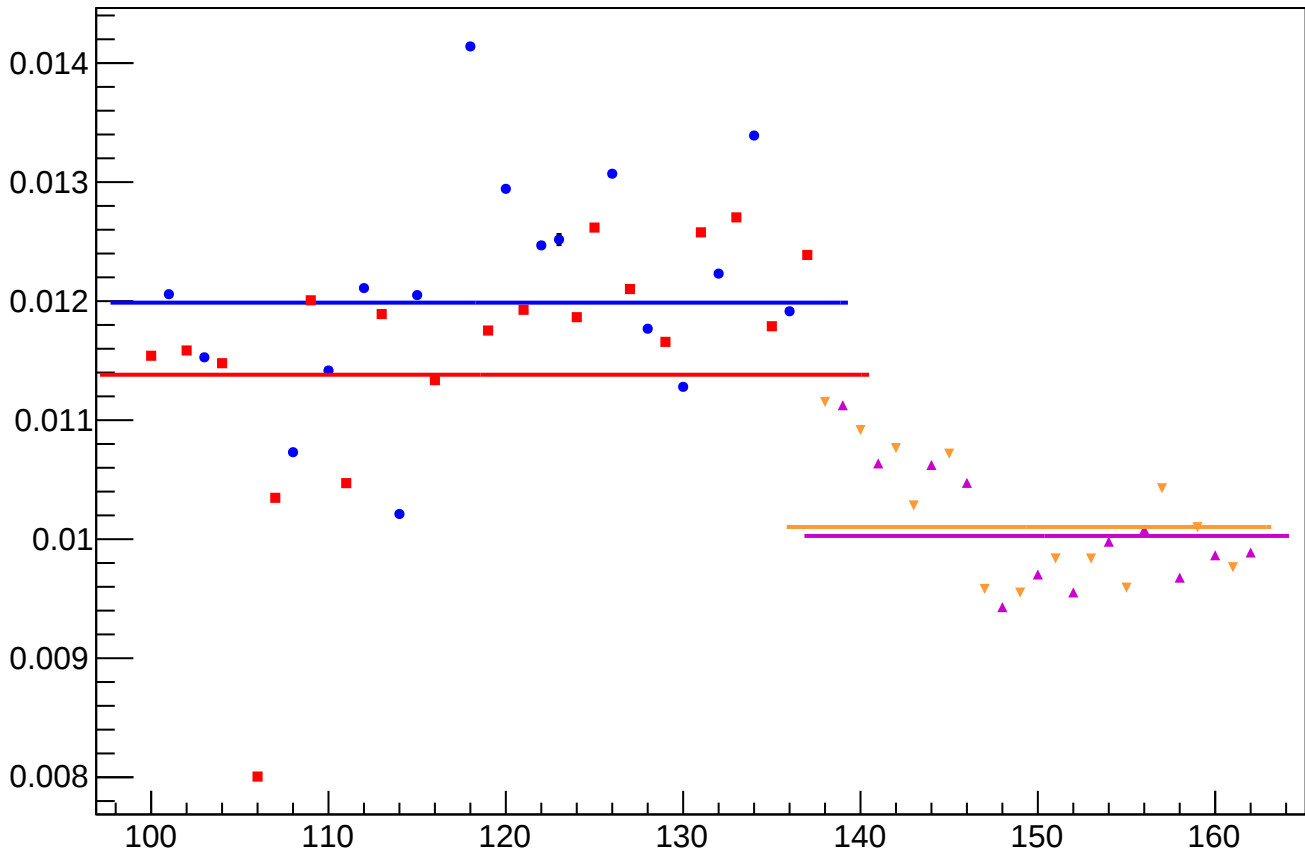
Left In: -1.271+/-0.000 χ^2 /NDF: 3353563178.0/11

+ sign -1.220+/-0.000 χ^2 /NDF: 4994954089.4/29

All: -1.218+/-0.000 χ^2 /NDF: 9336428608.1/6

- sign -1.216+/-0.000 χ^2 /NDF: 4340768671.7/30

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:48390.0/12

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

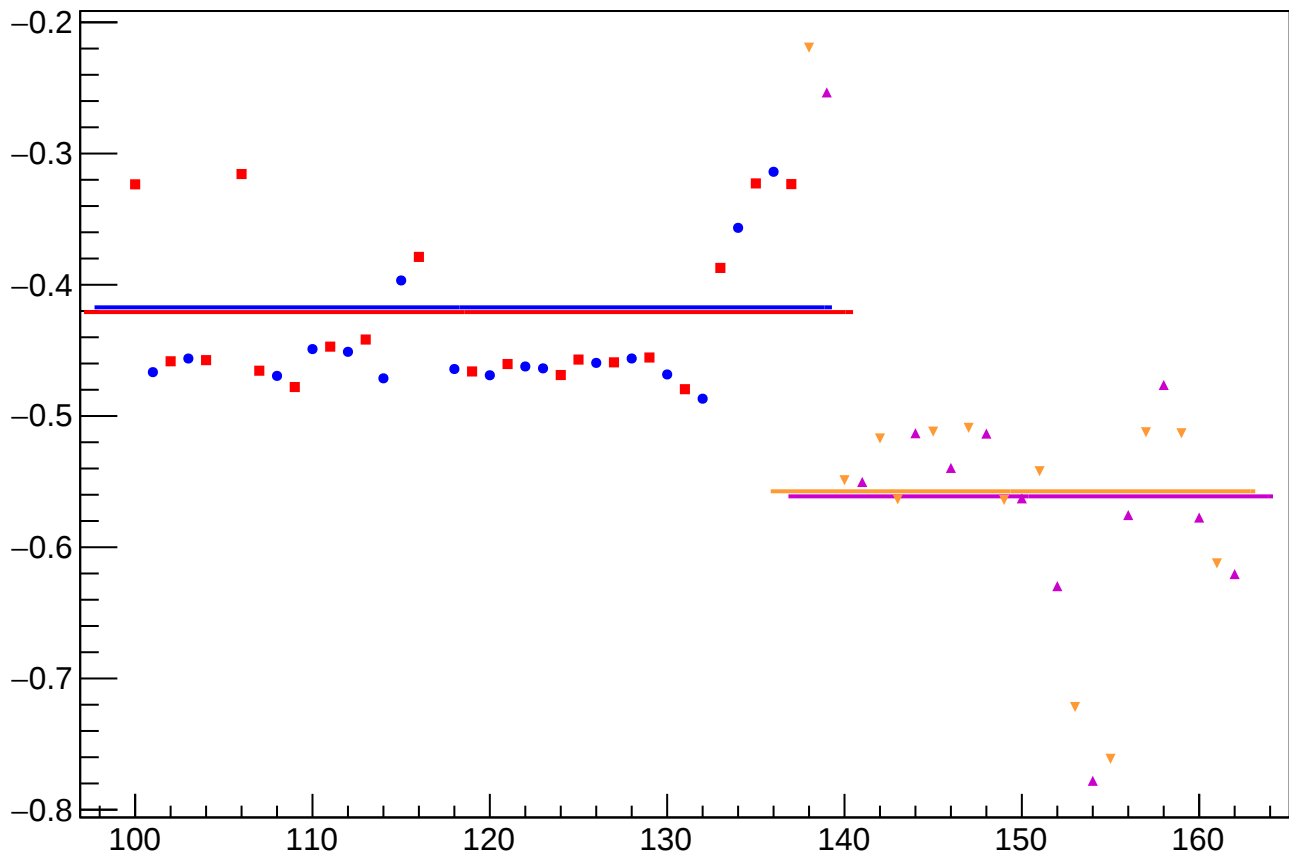
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:41138.4/11

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 322572.4/29

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 647506.2/60

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 319175.7/30

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2 /NDF: 2039045143.8/16

Left Out: -0.557+/-0.000 χ^2 /NDF: 12848962787.3/12

Right Out: -0.421+/-0.000 χ^2 /NDF: 1646463410.7/18

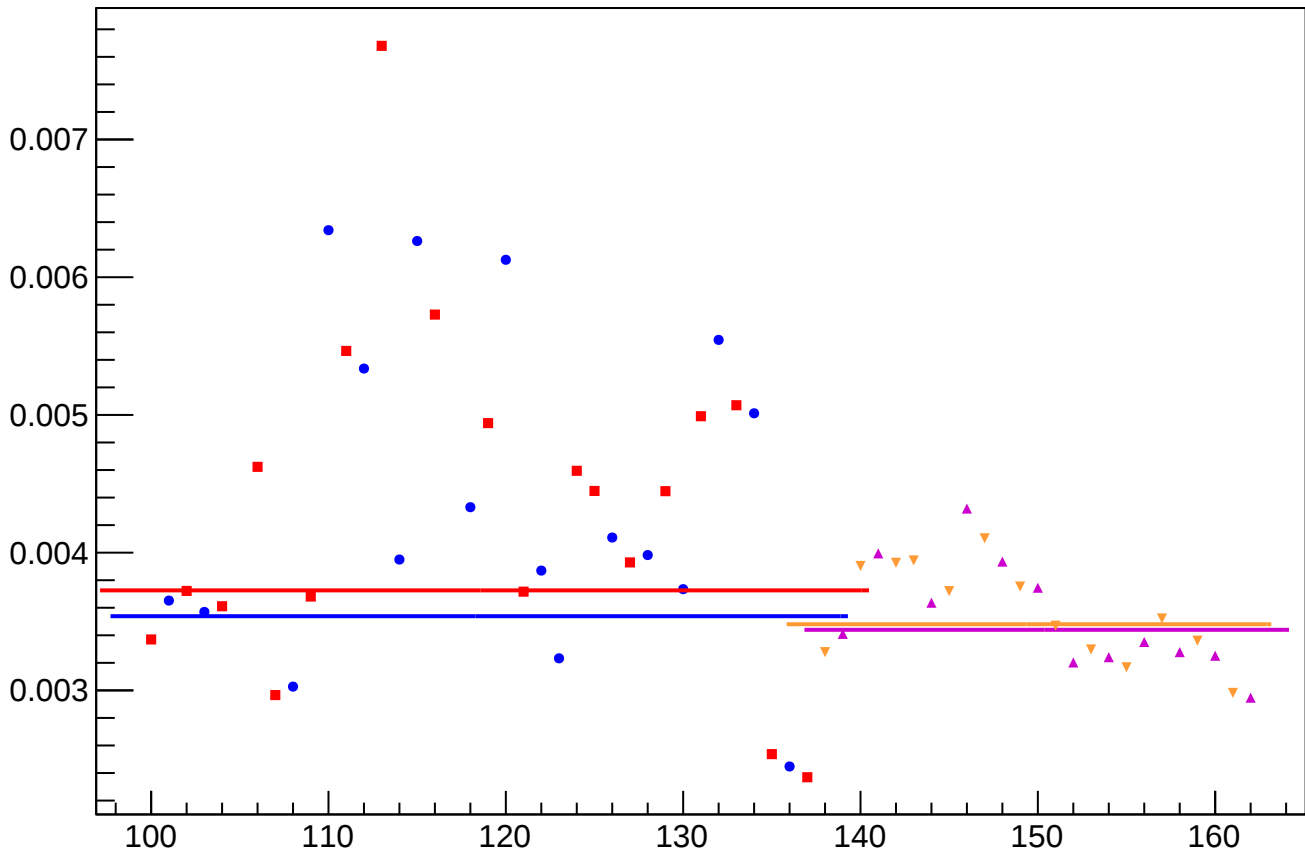
Left In: -0.561+/-0.000 χ^2 /NDF: 10292006112.9/11

+ sign -0.505+/-0.000 χ^2 /NDF: 20255967338.4/29

All: -0.508+/-0.000 χ^2 /NDF: 37541706917.0/30

- sign -0.511+/-0.000 χ^2 /NDF: 17268483933.4/30

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 836154.0/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:158852.0/12

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

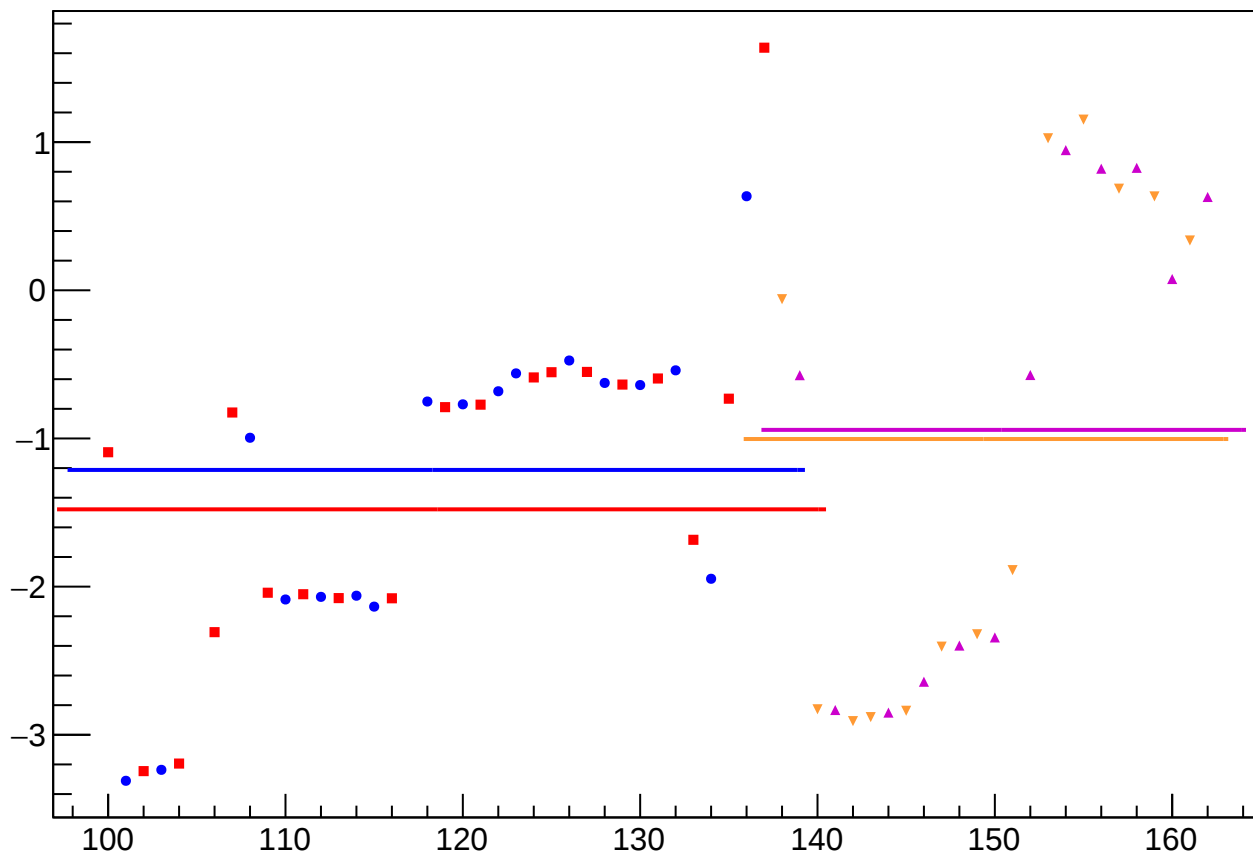
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:189357.2/11

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 996871.0/29

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2130965.7/60

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1132144.3/30

yield_bpm0r03X_mean vs Slug



Right In: -1.212 $\pm$ 0.000 χ^2 /NDF: 1992853443.9/16

Left Out: -1.004 $\pm$ 0.000 χ^2 /NDF: 4467809453.4/12

Right Out: -1.478 $\pm$ 0.000 χ^2 /NDF: 1578264383.8/18

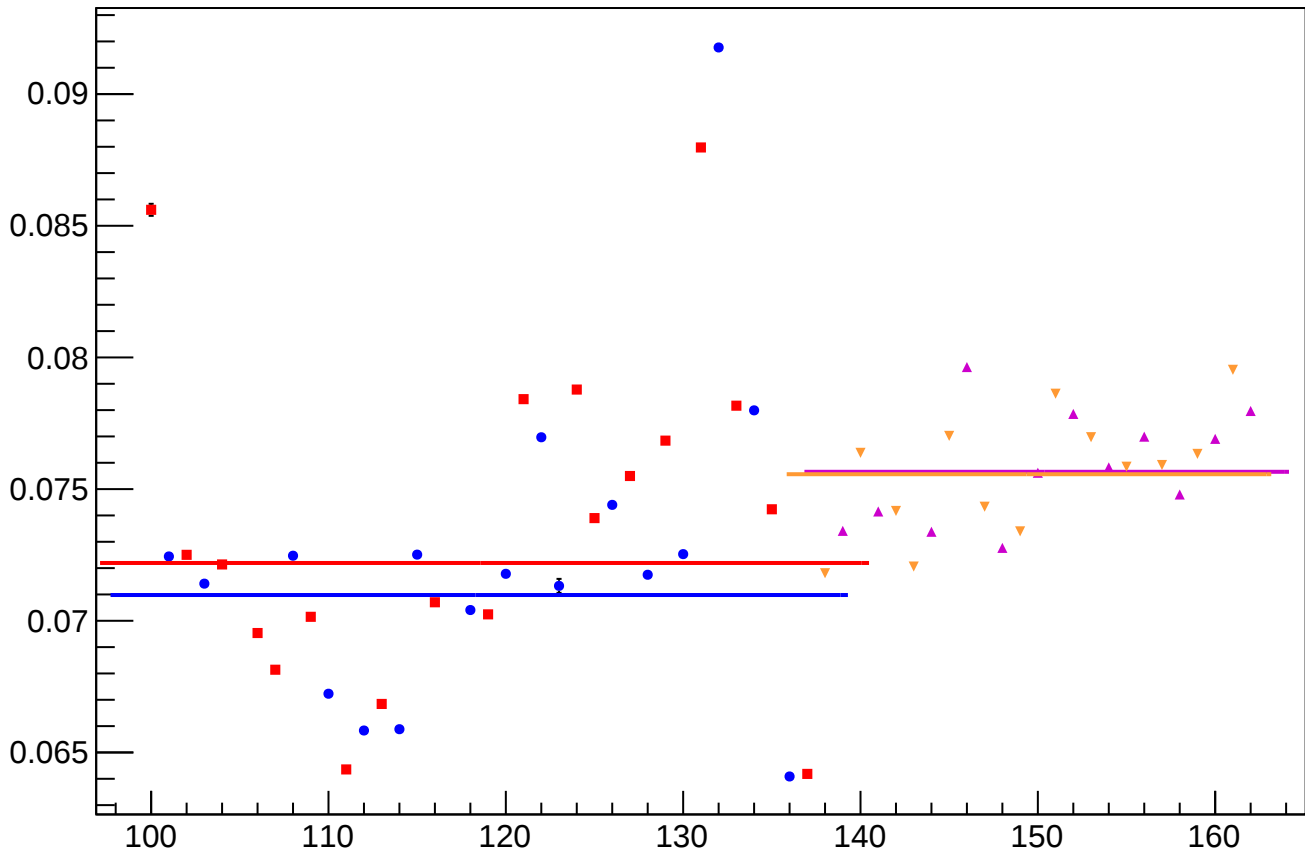
Left In: -0.942 $\pm$ 0.000 χ^2 /NDF: 3901706880.7/11

+ sign -1.095 $\pm$ 0.000 χ^2 /NDF: 6492588698.2/29

All: -1.138 $\pm$ 0.000 χ^2 /NDF: 12196418636.8/30

- sign -1.181 $\pm$ 0.000 χ^2 /NDF: 5692759245.6/30

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.076+/-0.000 χ^2/NDF : 16870.8/12

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

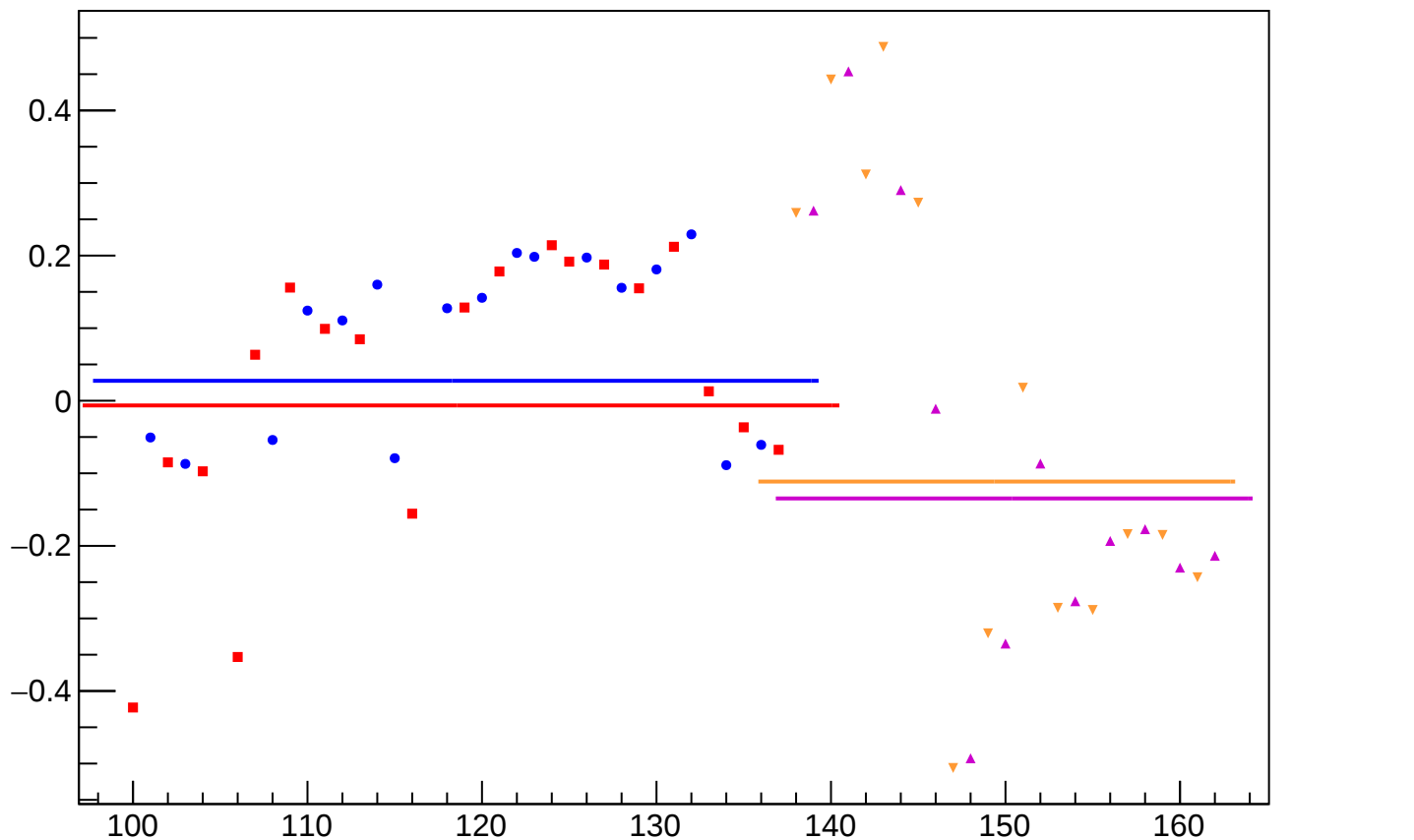
Left In: 0.076+/-0.000 χ^2/NDF : 13446.2/11

+ sign 0.074+/-0.000 χ^2/NDF : 125325.4/29

All: 0.074+/-0.000 χ^2/NDF : 230658.7/60

- sign 0.074+/-0.000 χ^2/NDF : 104409.9/30

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.111+/-0.000 χ^2/NDF : 13482264999.3/12

Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

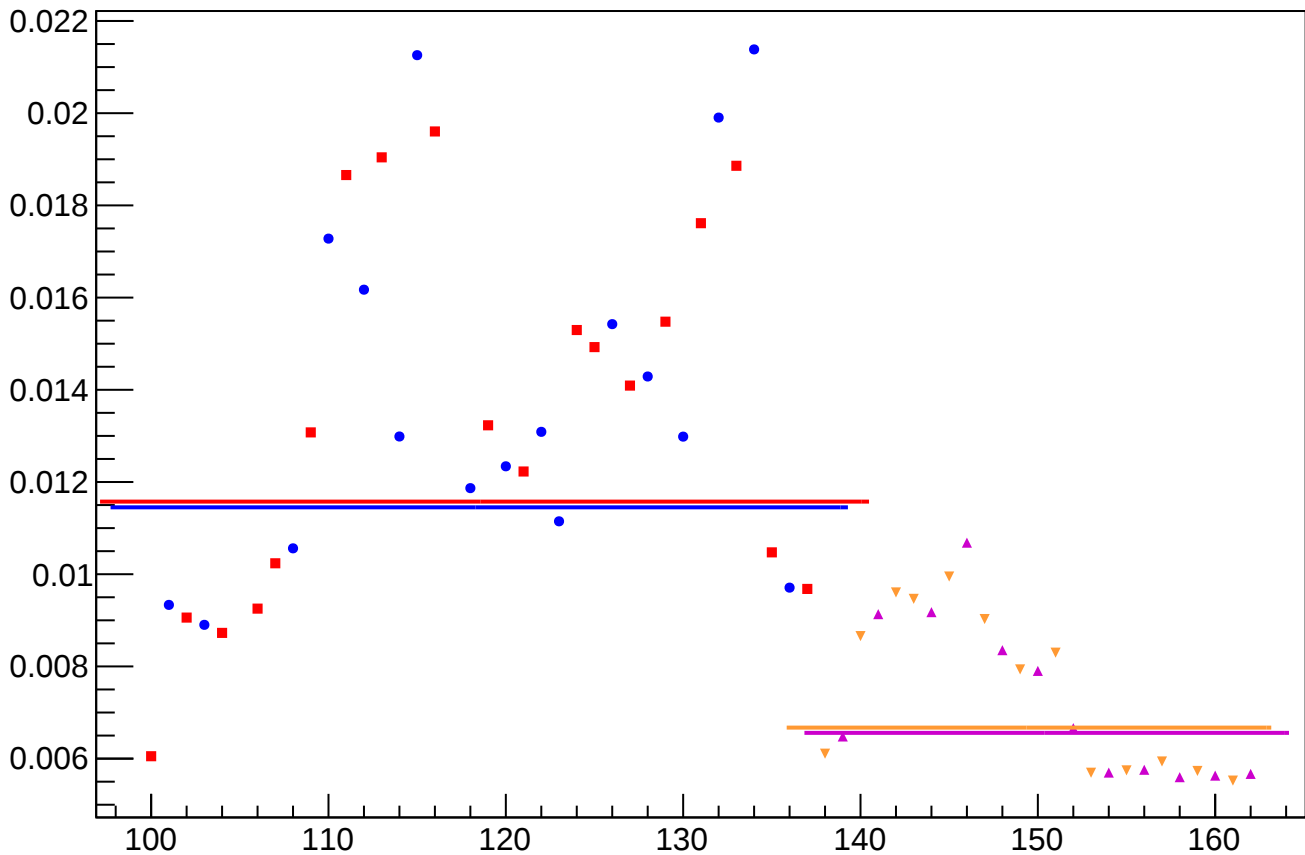
Left In: -0.135+/-0.000 χ^2/NDF : 10196990739.6/11

+ sign -0.086+/-0.000 χ^2/NDF : 14734475499.8/29

All: -0.099+/-0.000 χ^2/NDF : 26808698181.2/30

- sign -0.112+/-0.000 χ^2/NDF : 11993346977.0/30

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 679628.0/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:813817.8/12

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 997161.1/18

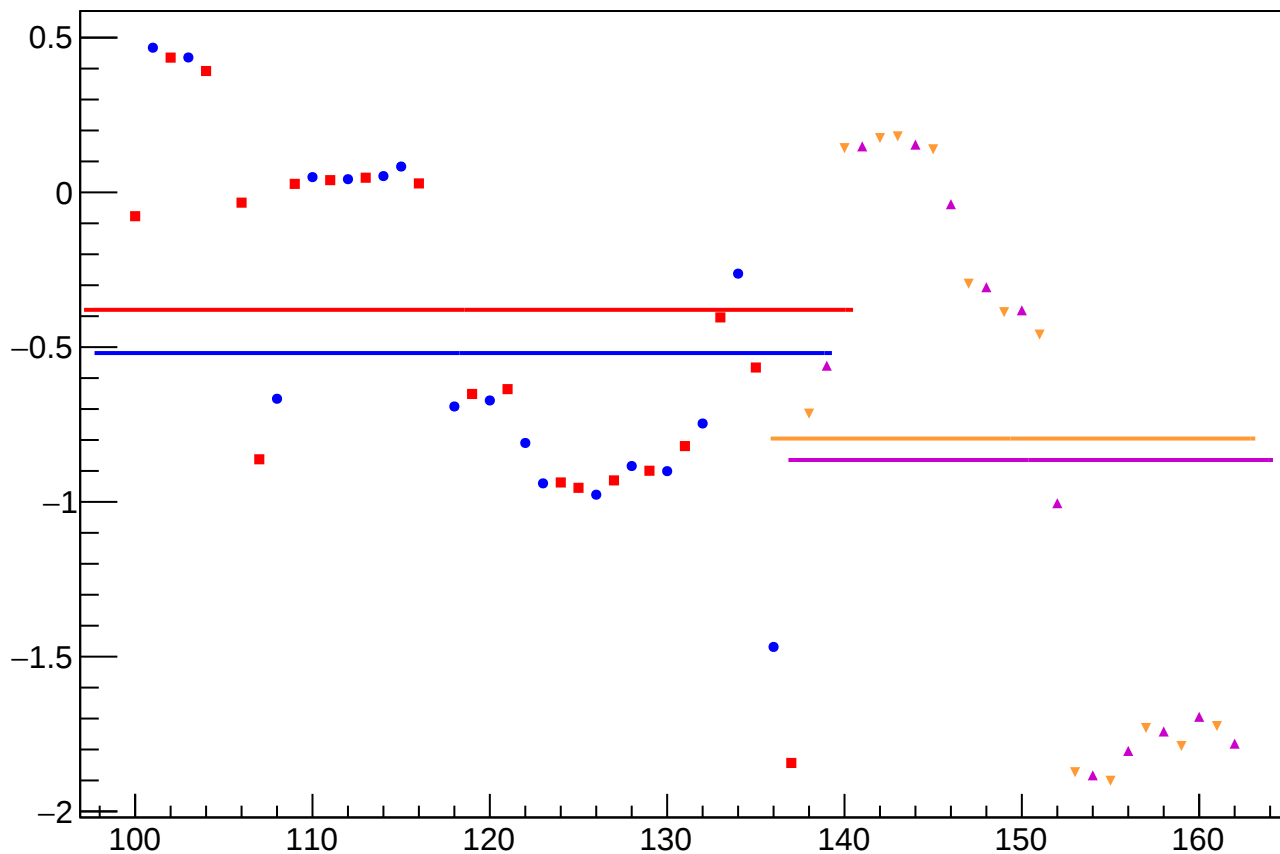
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:754618.4/11

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 3127587.0/29

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 6710891.6/60

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3581245.5/30

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.795 ± 0.000 χ^2/NDF : 868323506.7/12

Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

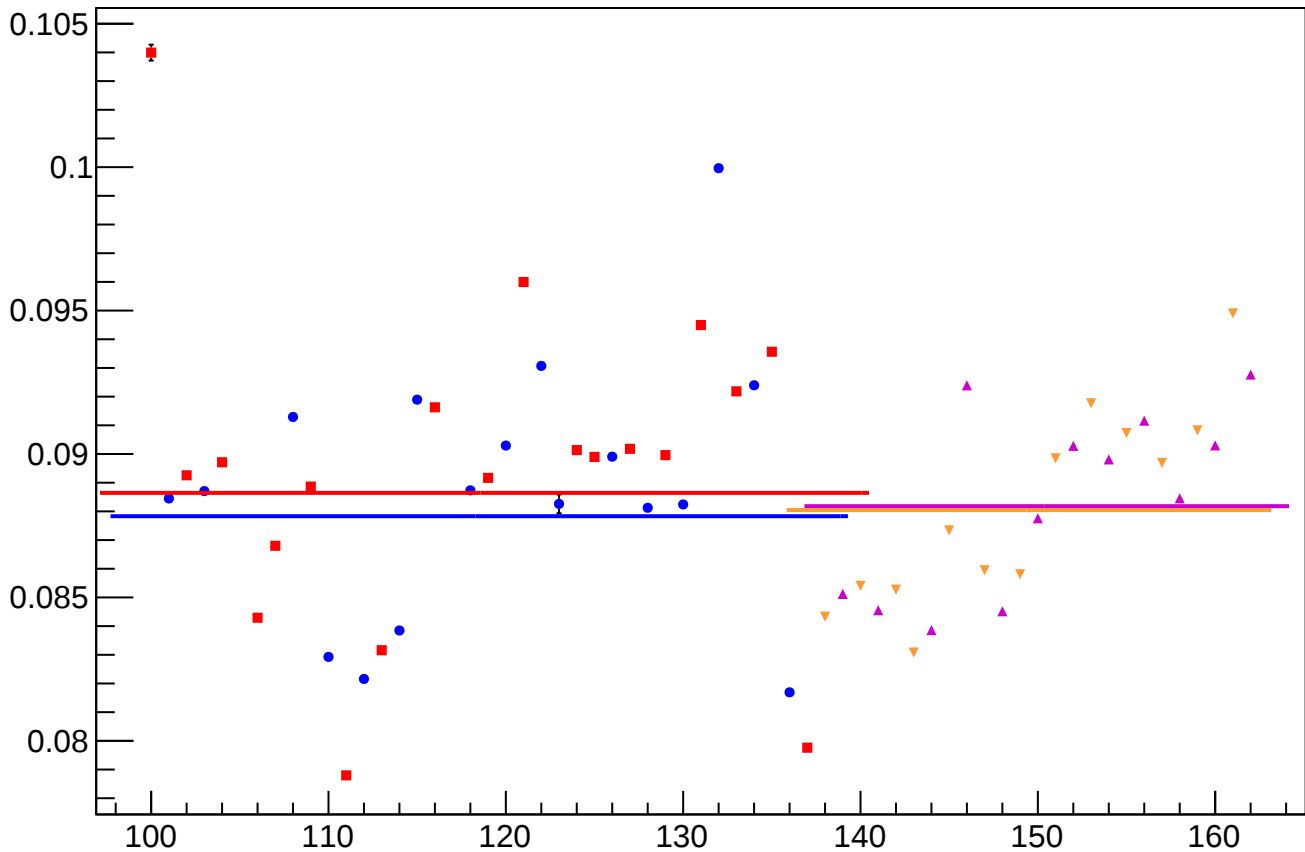
Left In: -0.865 ± 0.000 χ^2/NDF : 792939650.4/11

+ sign -0.682 ± 0.000 χ^2/NDF : 1246770202.4/29

All: -0.671 ± 0.000 χ^2/NDF : 2431743495.0/6

- sign -0.660 ± 0.000 χ^2/NDF : 1184444055.1/30

yield_bpm0r05X_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF : 34954.4/16

Left Out: 0.088+/-0.000 χ^2/NDF : 27009.4/12

Right Out: 0.089+/-0.000 χ^2/NDF : 39722.9/18

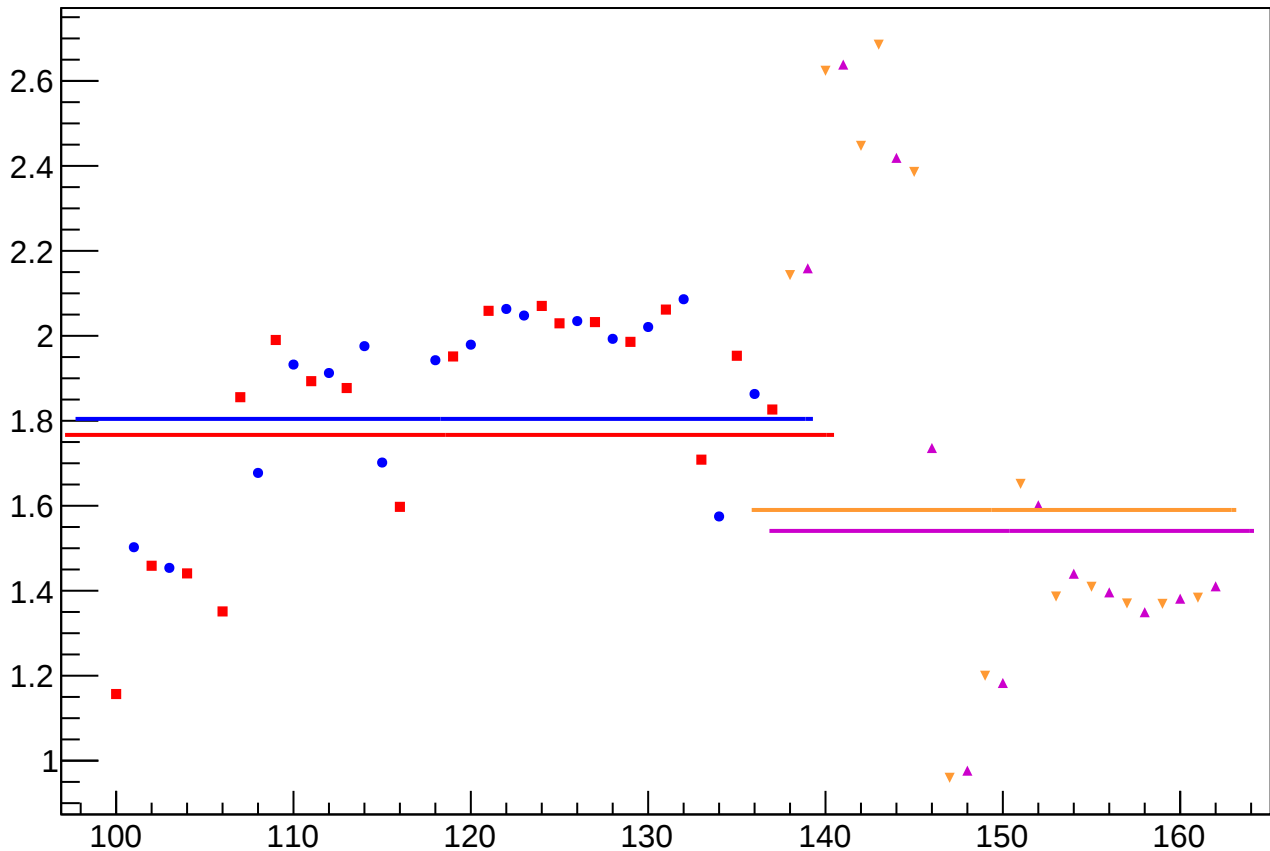
Left In: 0.088+/-0.000 χ^2/NDF : 23392.6/11

+ sign 0.088+/-0.000 χ^2/NDF : 62010.6/29

All: 0.088+/-0.000 χ^2/NDF : 125724.7/60

- sign 0.088+/-0.000 χ^2/NDF : 63339.4/30

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.590 $\pm$ 0.000 χ^2 /NDF: 22599966123.9/12

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

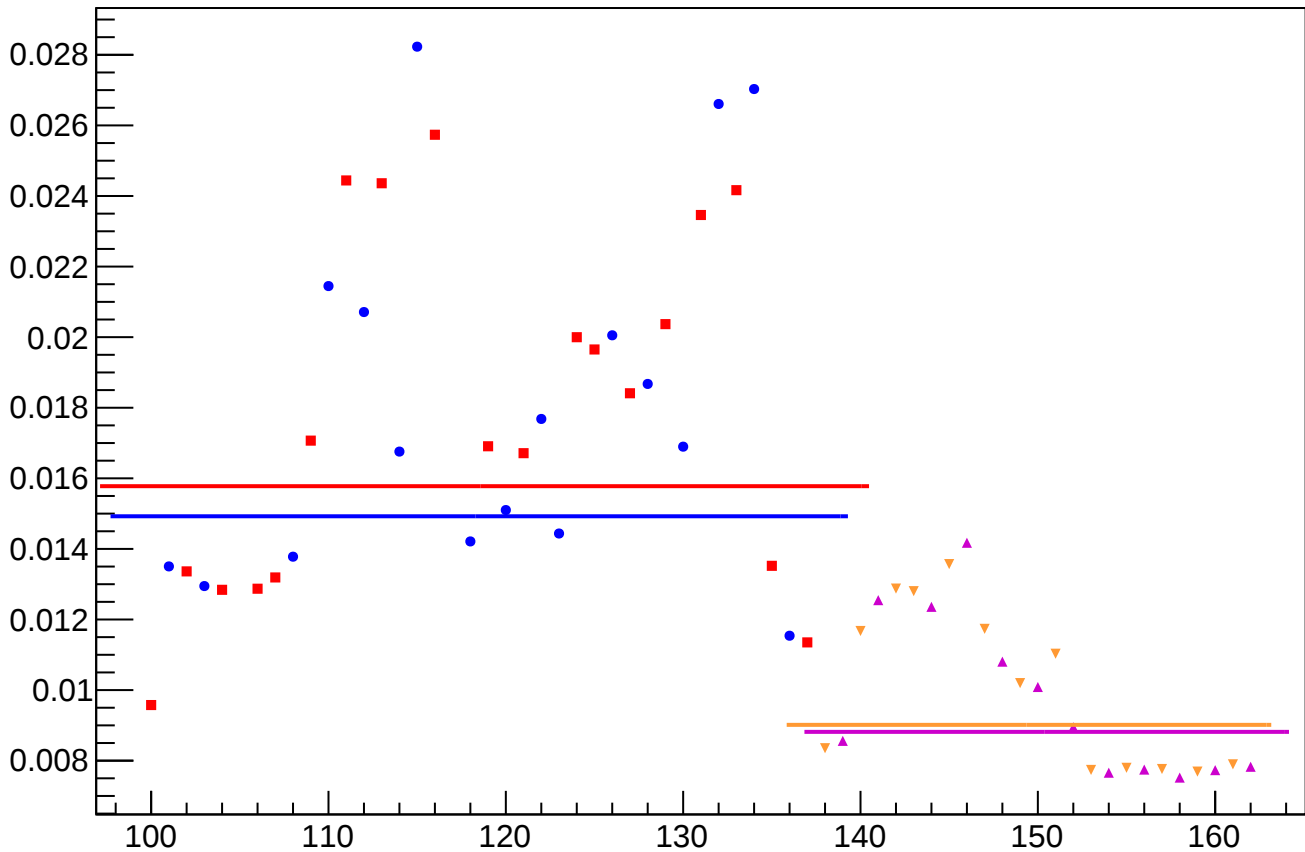
Left In: 1.541 $\pm$ 0.000 χ^2 /NDF: 17806218781.8/11

+ sign 1.631 $\pm$ 0.000 χ^2 /NDF: 24715333703.1/29

All: 1.606 $\pm$ 0.000 χ^2 /NDF: 45426973781.9/6

- sign 1.580 $\pm$ 0.000 χ^2 /NDF: 20535807703.6/30

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 : 751671.5/12

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

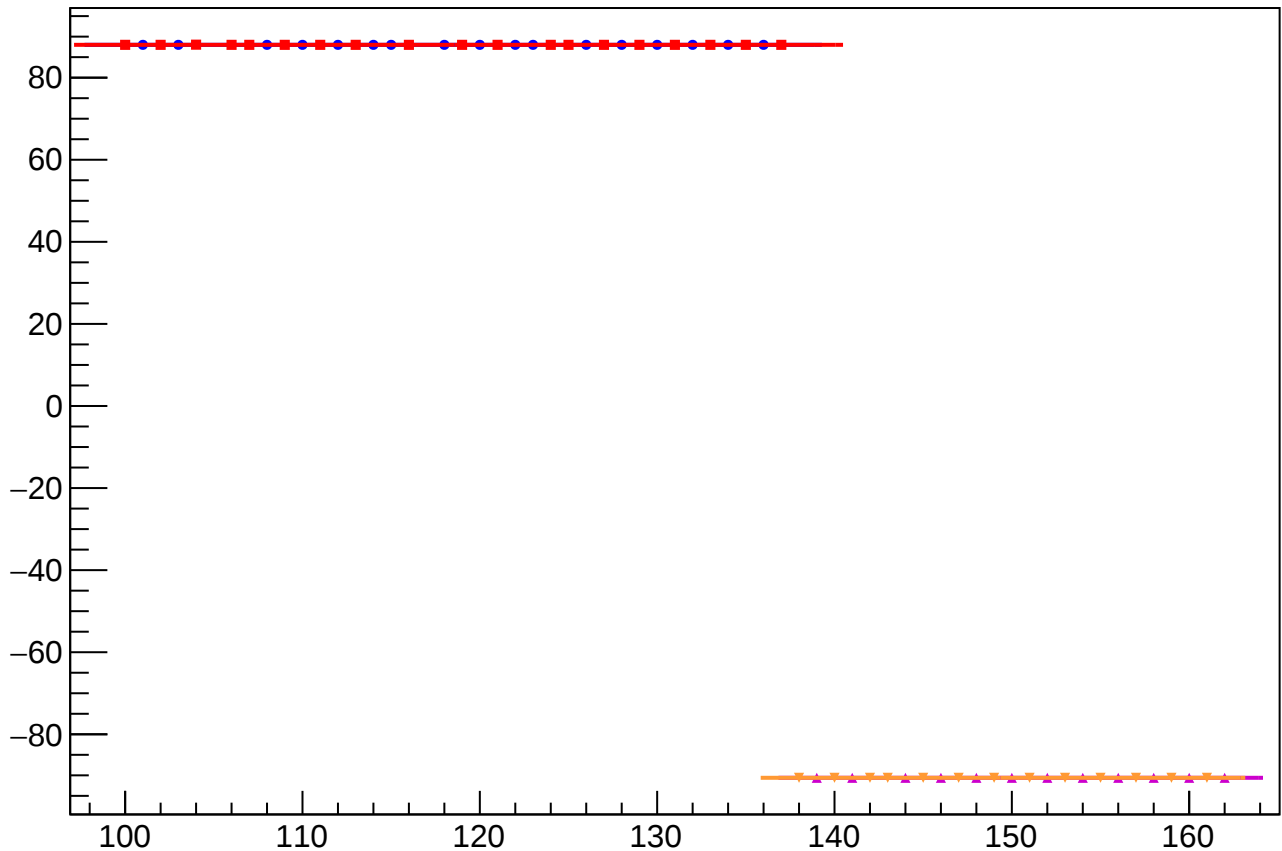
Left In: 0.009+/-0.000 χ^2/NDF : 701351.8/11

+ sign 0.010+/-0.000 χ^2/NDF : 2853103.0/29

All: 0.010+/-0.000 χ^2/NDF : 6279093.7/60

- sign 0.010+/-0.000 χ^2/NDF : 3424298.5/30

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: 3872360.4/12

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

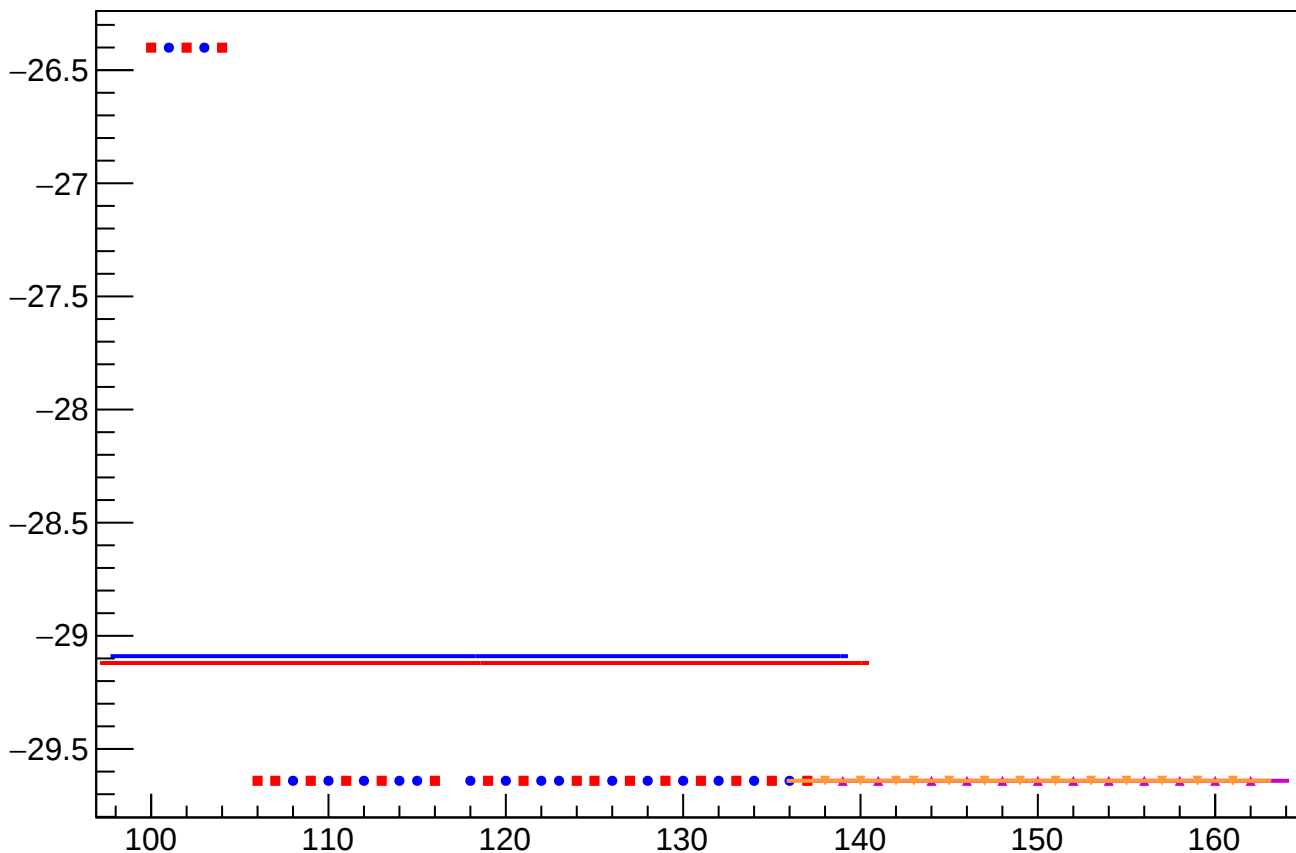
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 1471597.9/11

+ sign -17.774 $\pm$ 0.000 χ^2 /NDF: 131106238037132

All: -16.717 $\pm$ 0.000 χ^2 /NDF: 264833989053

- sign -15.671 $\pm$ 0.000 χ^2 /NDF: 1336899073357093

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 : 179948.6/12

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

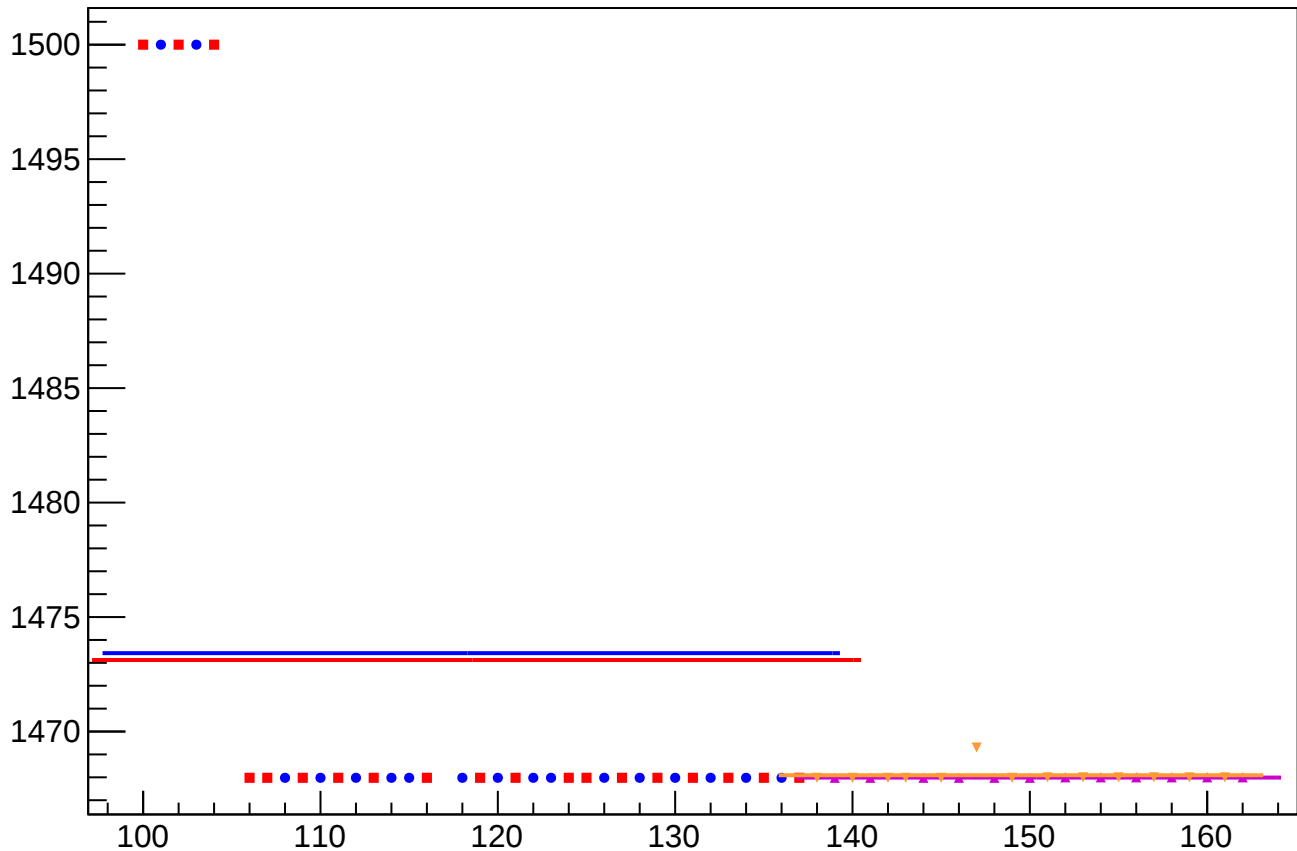
Left In: -29.641+/-0.000 χ^2/NDF : 48328.8/11

+ sign -29.416+/-0.000 χ^2/NDF : 115283631680375

All: -29.419+/-0.000 χ^2/NDF : 228851360140

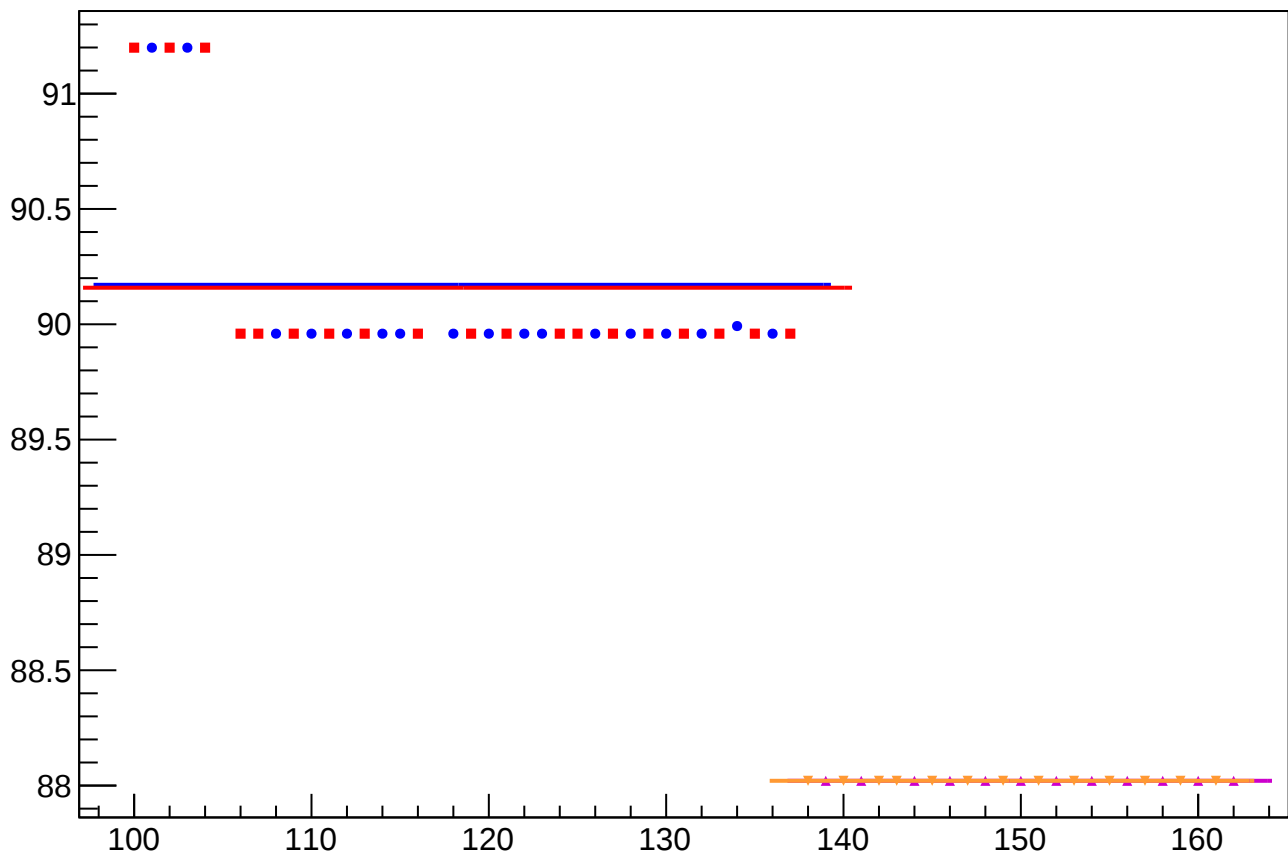
- sign -29.422+/-0.000 χ^2/NDF : 1135643909355006

epics_psub_pl_poss_mean vs Slug



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16
 Left Out: 1468.091+/-0.000 χ^2/NDF : 123899422189392755615913331392512.0/12
 Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18
 Left In: 1467.989+/-0.000 χ^2/NDF : 99899099071245765713990778880.0/11
 All: 1470.204+/-0.000 χ^2/NDF : 22312849476
 + sign 1470.266+/-0.000 χ^2/NDF : 11223264657408
 - sign 1470.143+/-0.000 χ^2/NDF : 11088304650235

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 : 3134642.9/12

Right Out: 90.159+/-0.000 χ^2/NDF : 149705165651000025160777180643328.0/18

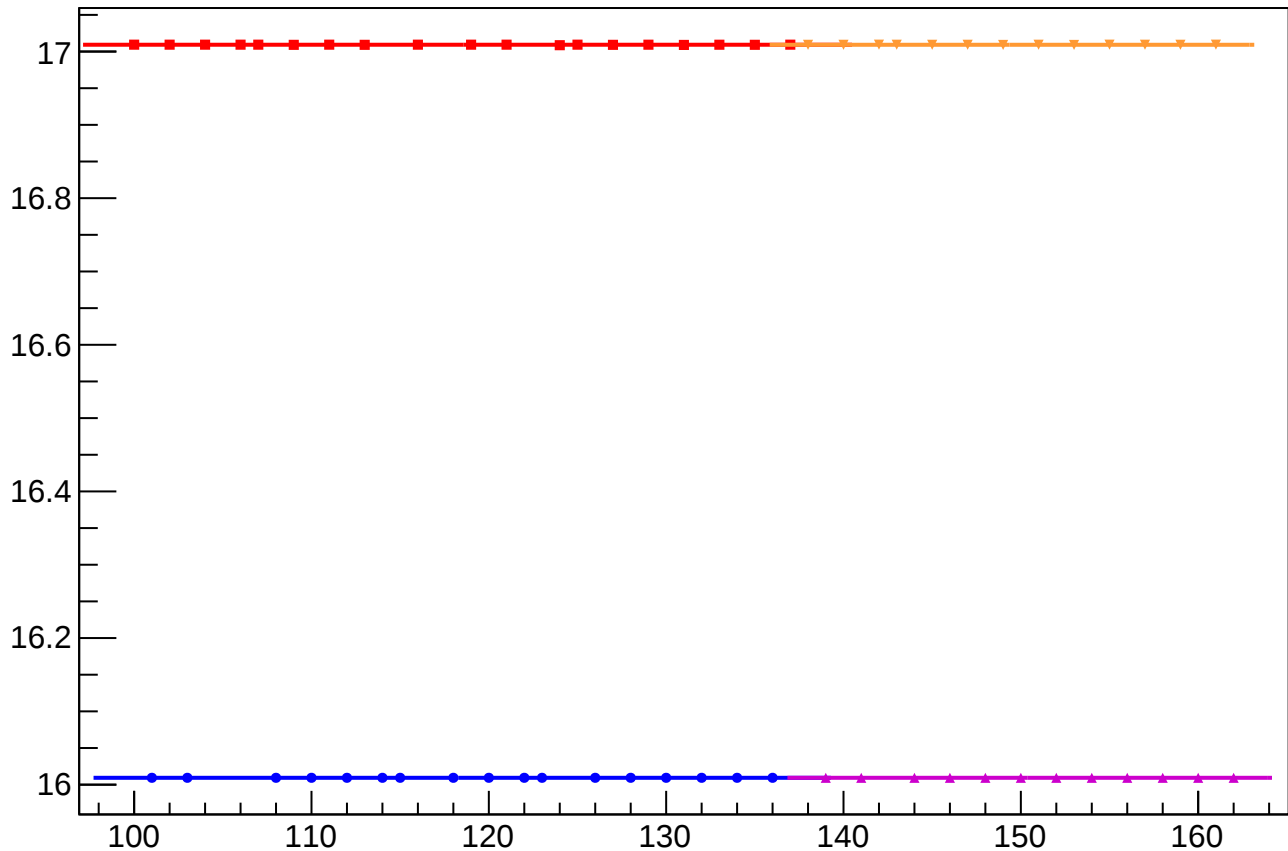
Left In: 88.021+/-0.000 χ^2/NDF : 1399502.4/11

+ sign 88.898+/-0.000 χ^2/NDF : 2051005097516236

All: 88.908+/-0.000 χ^2/NDF : 4116470026812

- sign 88.918+/-0.000 χ^2/NDF : 2065122113549281

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009±/0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009±/0.000 χ^2/NDF : 11943174513703878800703488.0/12

Right Out: 17.009±/0.000 χ^2/NDF : 12516014336037541461884928.0/18

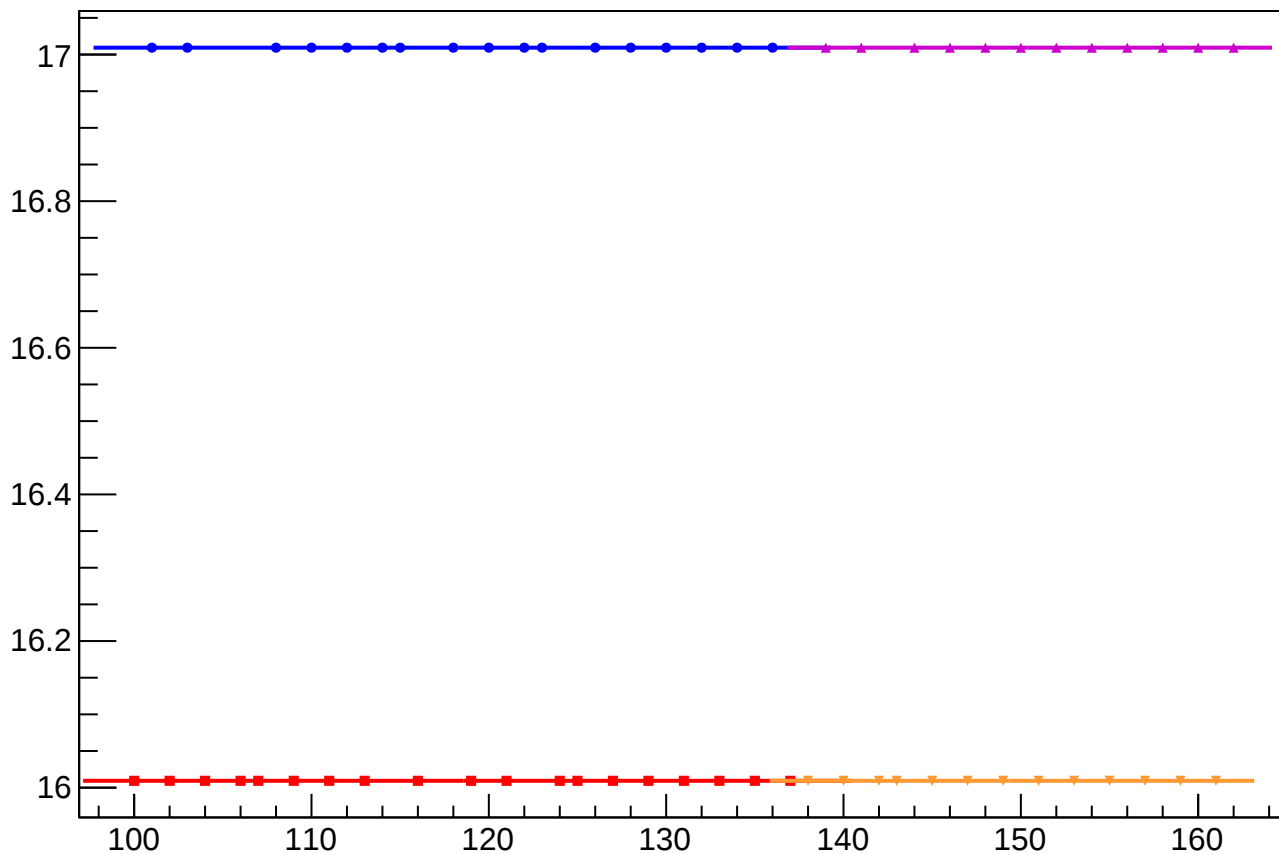
Left In: 16.009±/0.000 χ^2/NDF : 37903.2/11

+ sign 16.587±/0.000 χ^2/NDF : 3822210550243060

All: 16.504±/0.000 χ^2/NDF : 7877188264926

- sign 16.422±/0.000 χ^2/NDF : 3840778981744139

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 : 40881.9/12

Right Out: 16.009+/-0.000 χ^2/NDF : 39518.8/18

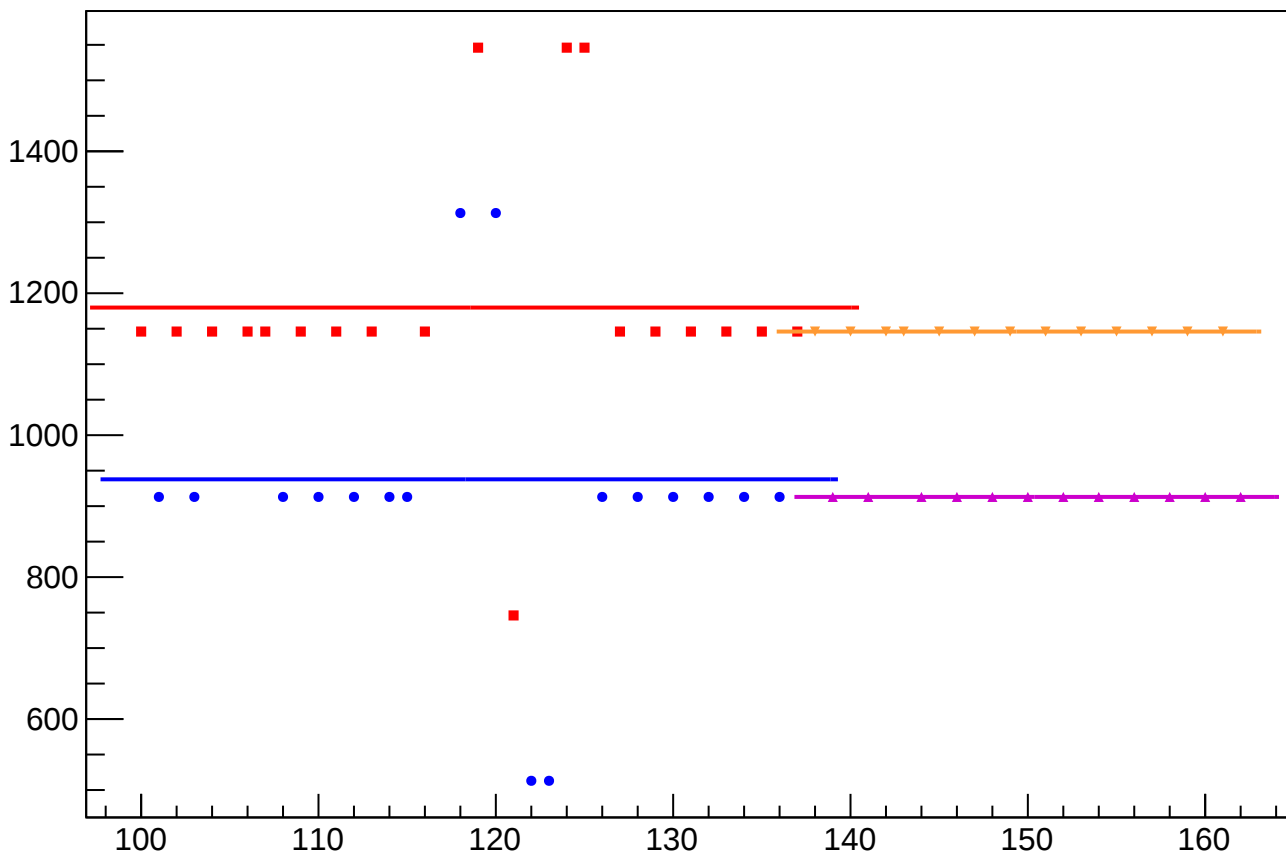
Left In: 17.009+/-0.000 χ^2/NDF : 18364.7/11

+ sign 16.408+/-0.000 χ^2/NDF : 3983152827918124

All: 16.500+/-0.000 χ^2/NDF : 8406762782401

- sign 16.589+/-0.000 χ^2/NDF : 4146327849588354

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 : 3902381054582015082910187520.0/12

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

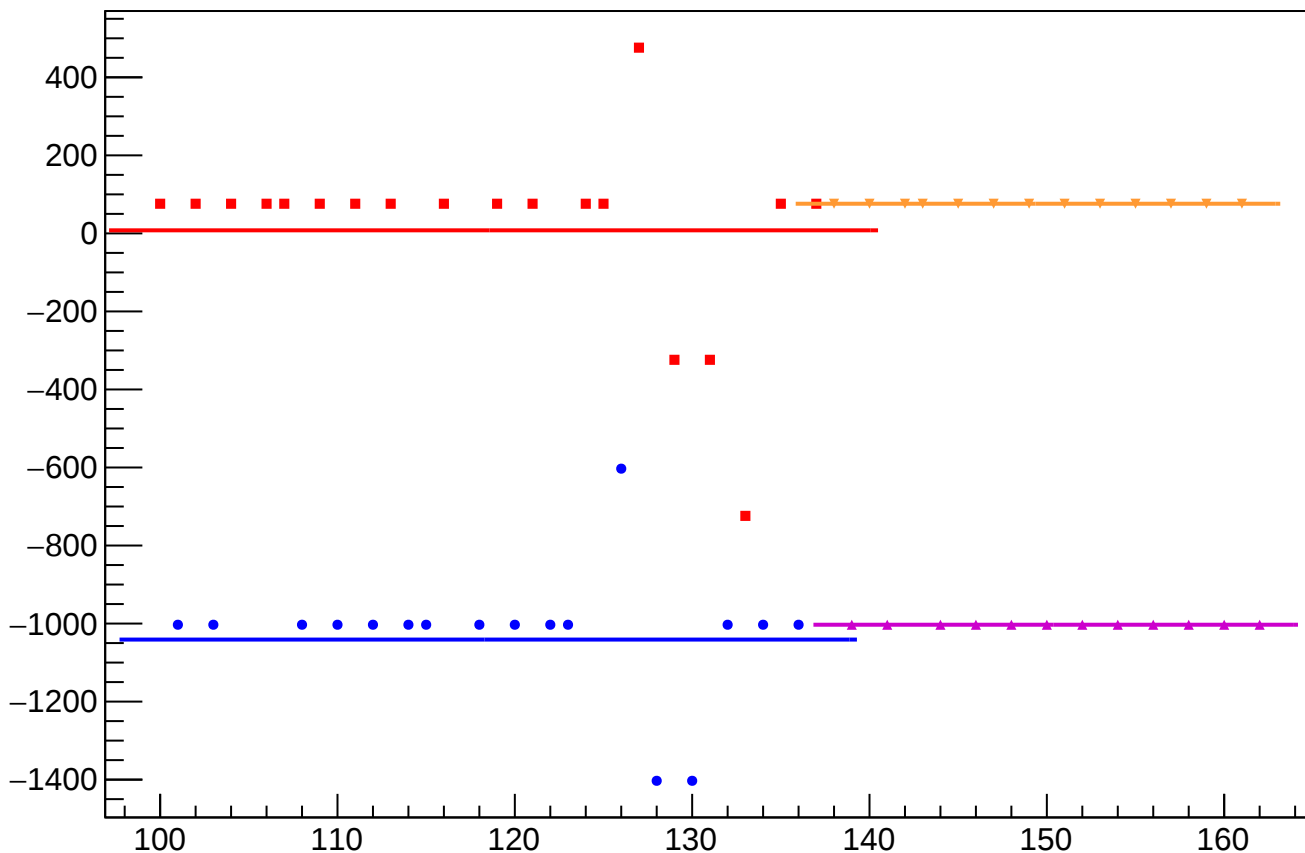
Left In: 912.994+/-0.000 χ^2/NDF : 13162467717235277240723308544.0/11

All: 1042.915+/-0.000 χ^2/NDF : 91048153287.0/12

+ sign 1061.103+/-0.000 χ^2/NDF : 38676986301708.0/12

- sign 1024.928+/-0.000 χ^2/NDF : 51251292842134.0/12

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 : 4369098972849093630551392256.0/12

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18

Left In: -1002.989+/-0.000 χ^2/NDF : 1307502855883668168323891200.0/11