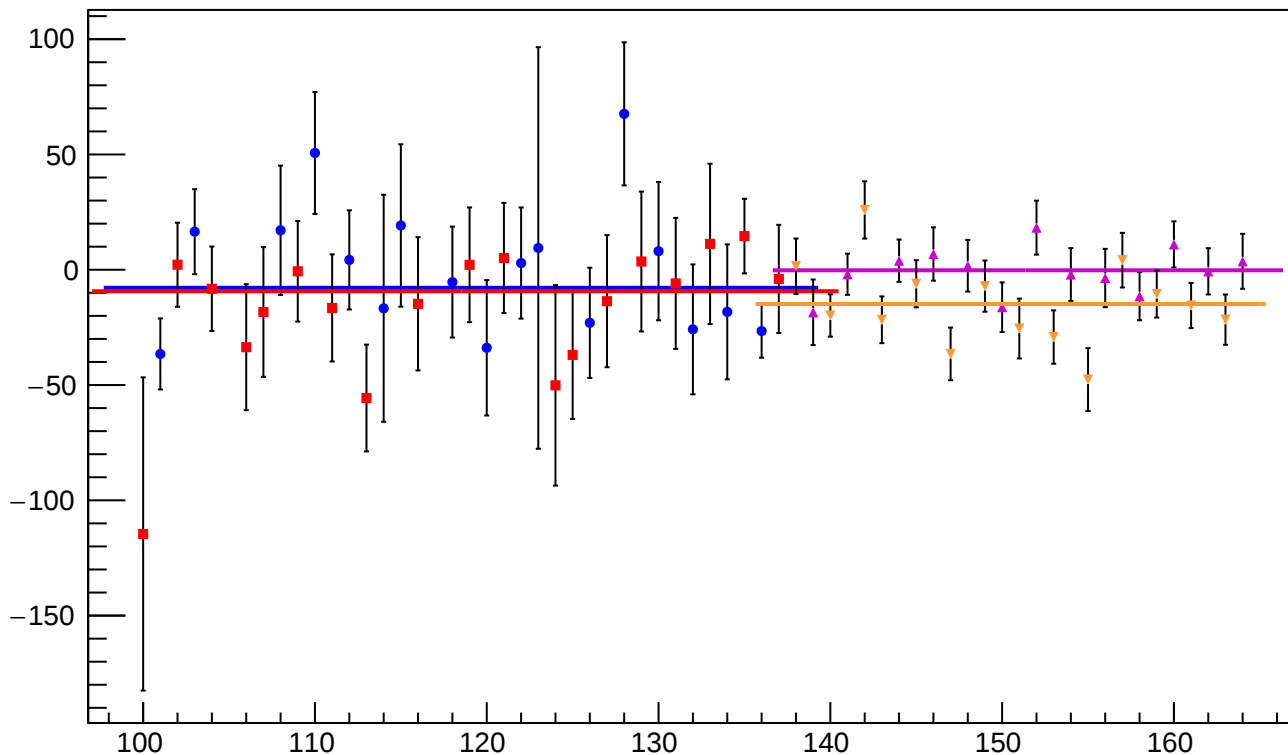


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -14.849 ± 2.953

χ^2/NDF : 29.4/13

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: -0.231 ± 3.003

χ^2/NDF : 9.6/12

+ sign -13.328 ± 2.613

χ^2/NDF : 53.2/30

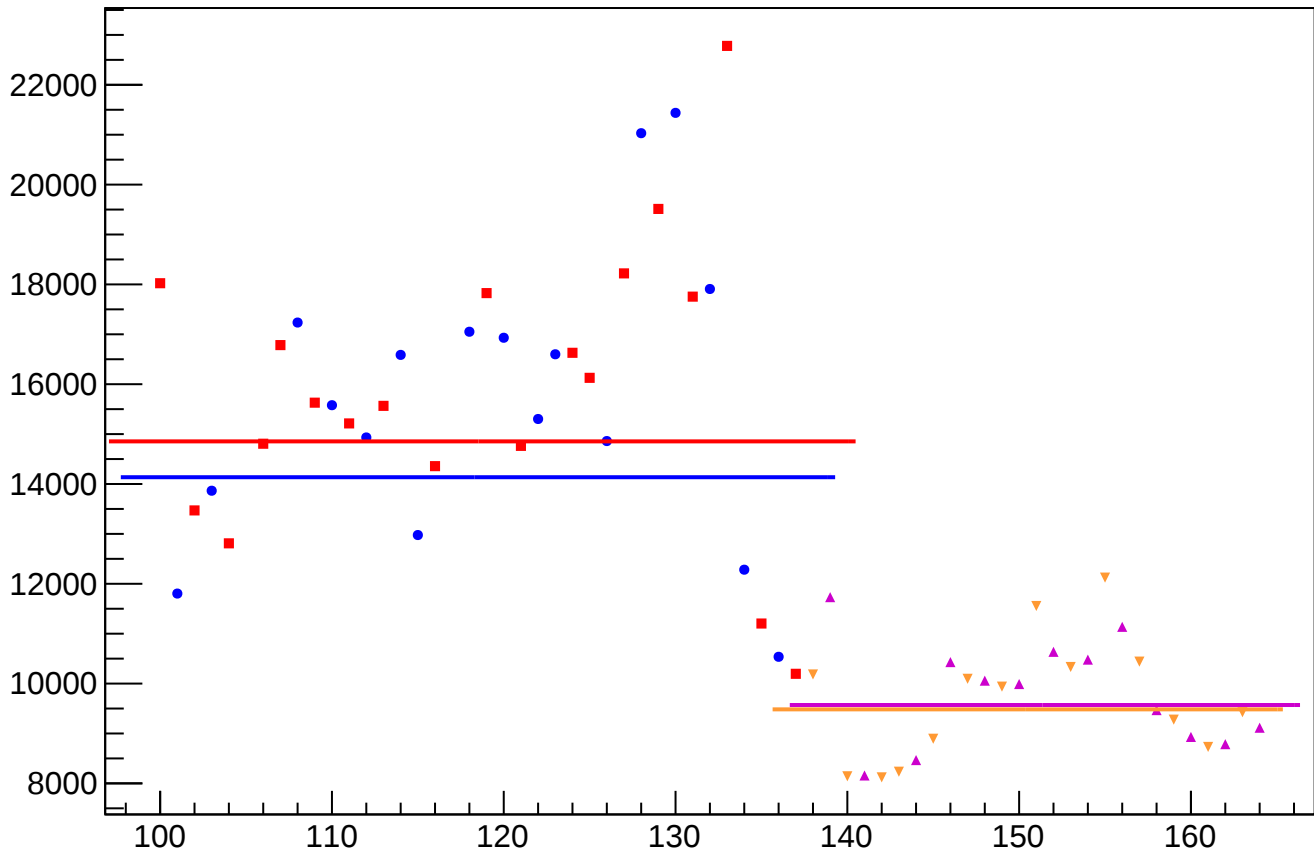
All: -7.861 ± 1.862

χ^2/NDF : 87.0/62

- sign -2.216 ± 2.655

χ^2/NDF : 24.9/31

diff_bpm4aX_rms vs Slug



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

Left Out: 9483.310+/-2.088 χ^2/NDF : 282175.3/13

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

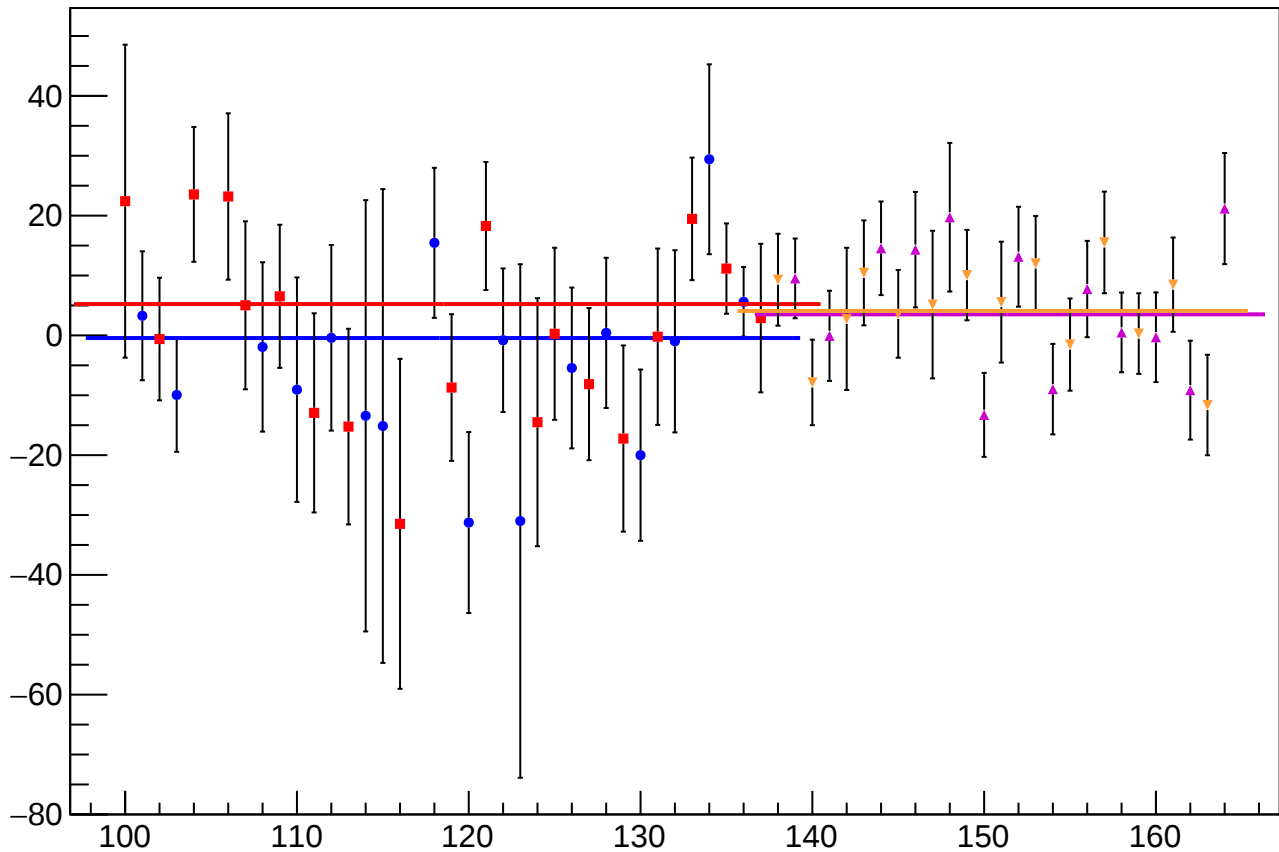
Left In: 9570.583+/-2.124 χ^2/NDF : 226673.8/12

+ sign 10492.989+/-1.847 χ^2/NDF : 1957027.3/30

All: 10607.612+/-1.317 χ^2/NDF : 4016936.9/6

- sign 10725.968+/-1.877 χ^2/NDF : 2052085.1/31

diff_bpm4aY_mean vs Slug



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

Left Out: 4.084 ± 2.191 χ^2/NDF : 11.9/13

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

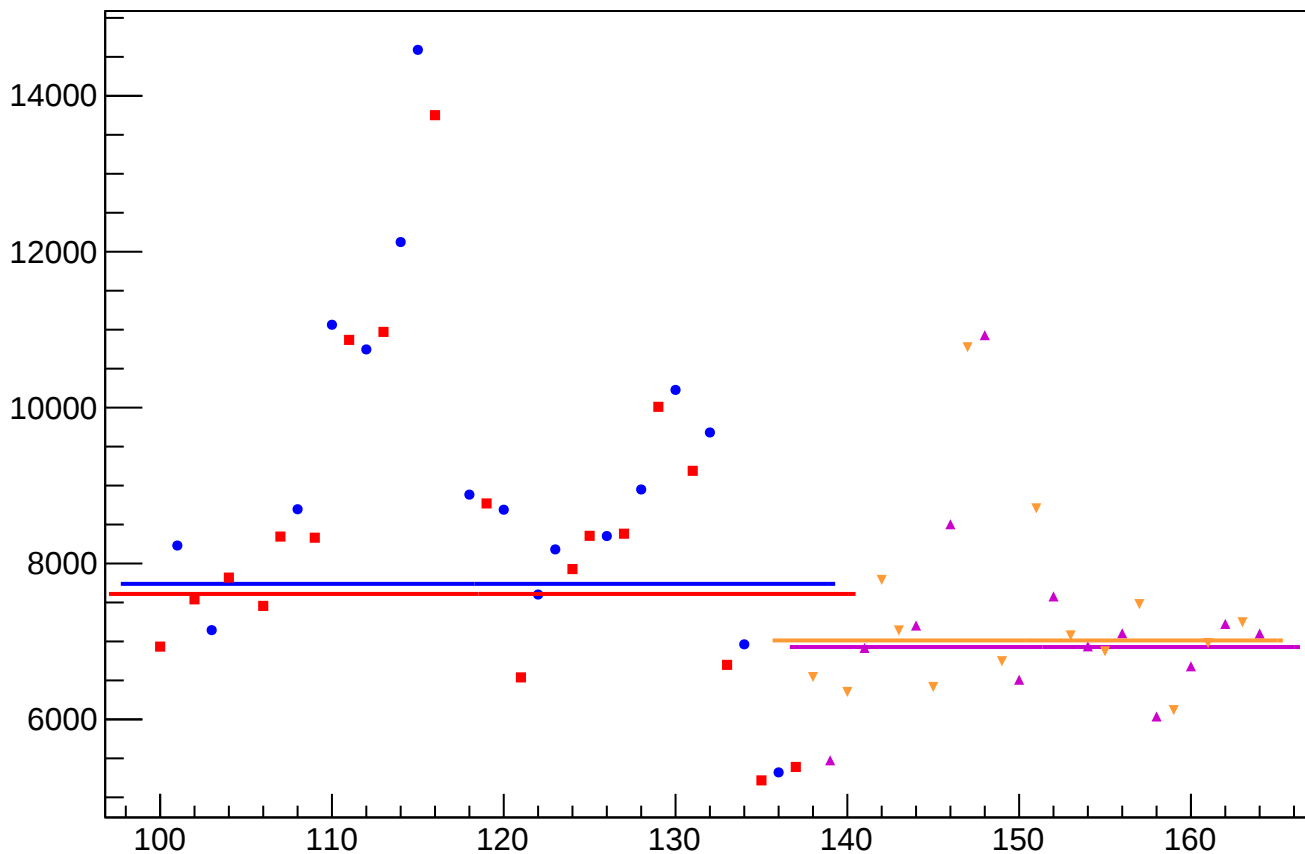
Left In: 3.516 ± 2.192 χ^2/NDF : 22.5/12

+ sign 2.558 ± 1.783 χ^2/NDF : 27.9/30

All: 3.355 ± 1.251 χ^2/NDF : 70.4/62

- sign 4.129 ± 1.756 χ^2/NDF : 42.1/31

diff_bpm4aY_rms vs Slug



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

Left Out: 7013.041+/-1.549 χ^2/NDF : 335727.1/13

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

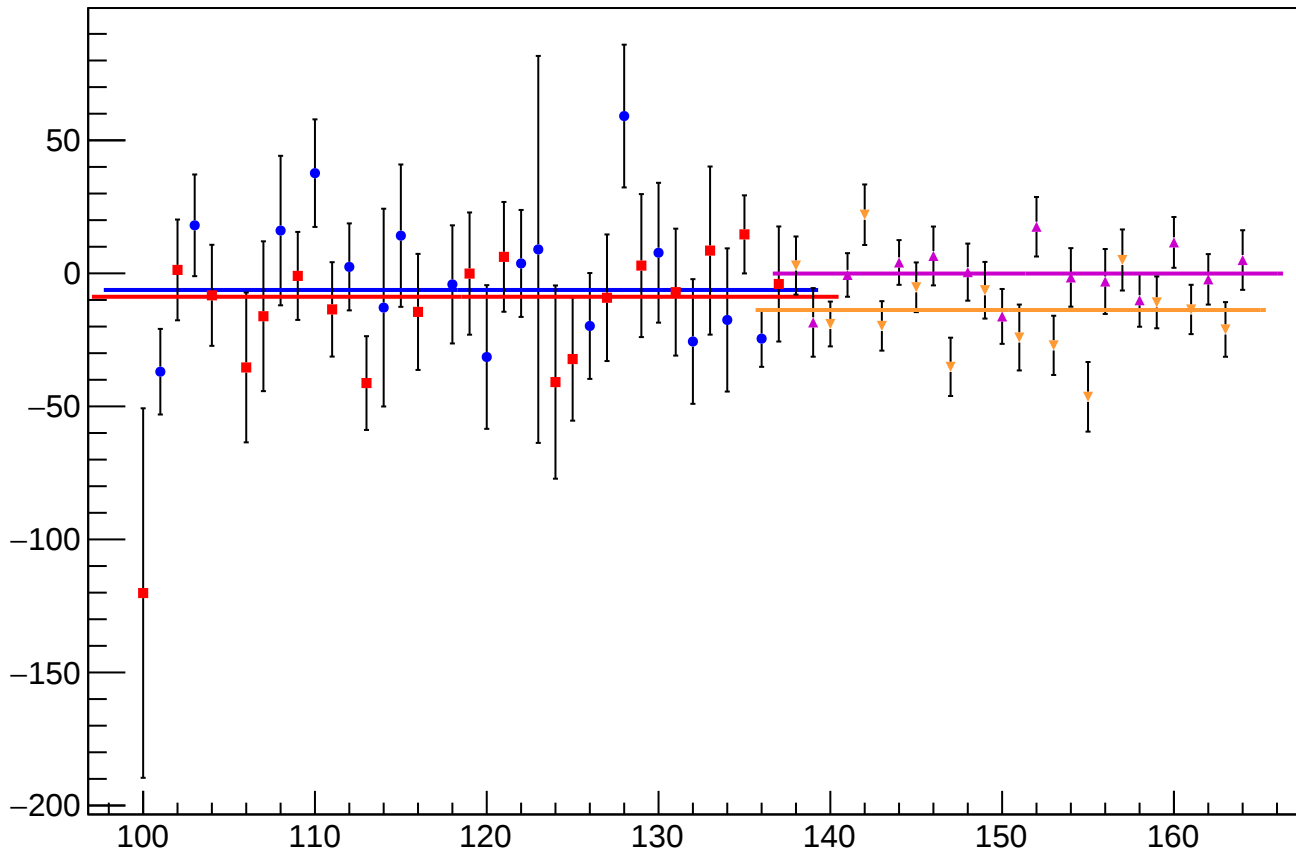
Left In: 6928.476+/-1.550 χ^2/NDF : 420385.4/12

+ sign 7257.840+/-1.261 χ^2/NDF : 1150607.7/30

All: 7214.380+/-0.885 χ^2/NDF : 2321621.6/62

- sign 7172.232+/-1.242 χ^2/NDF : 1168674.5/31

diff_bpm4eX_mean vs Slug



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

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

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

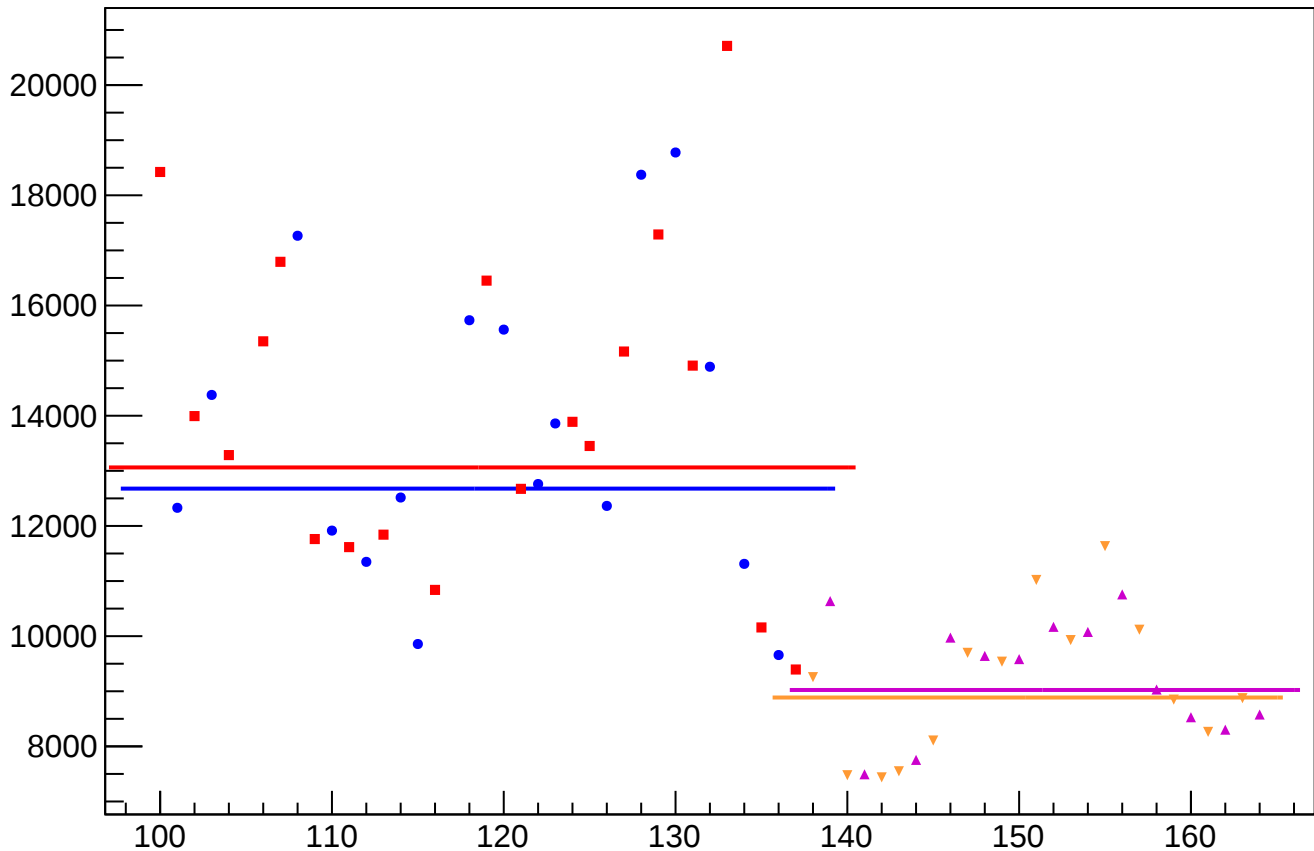
Left In: -0.075 ± 2.835 χ^2/NDF : 10.4/12

+ sign -12.010 ± 2.427 χ^2/NDF : 54.7/30

All: -7.183 ± 1.730 χ^2/NDF : 88.6/62

- sign -2.198 ± 2.466 χ^2/NDF : 25.9/31

diff_bpm4eX_rms vs Slug



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

Left Out: 8886.576+/-1.960 χ^2/NDF : 361757.5/13

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

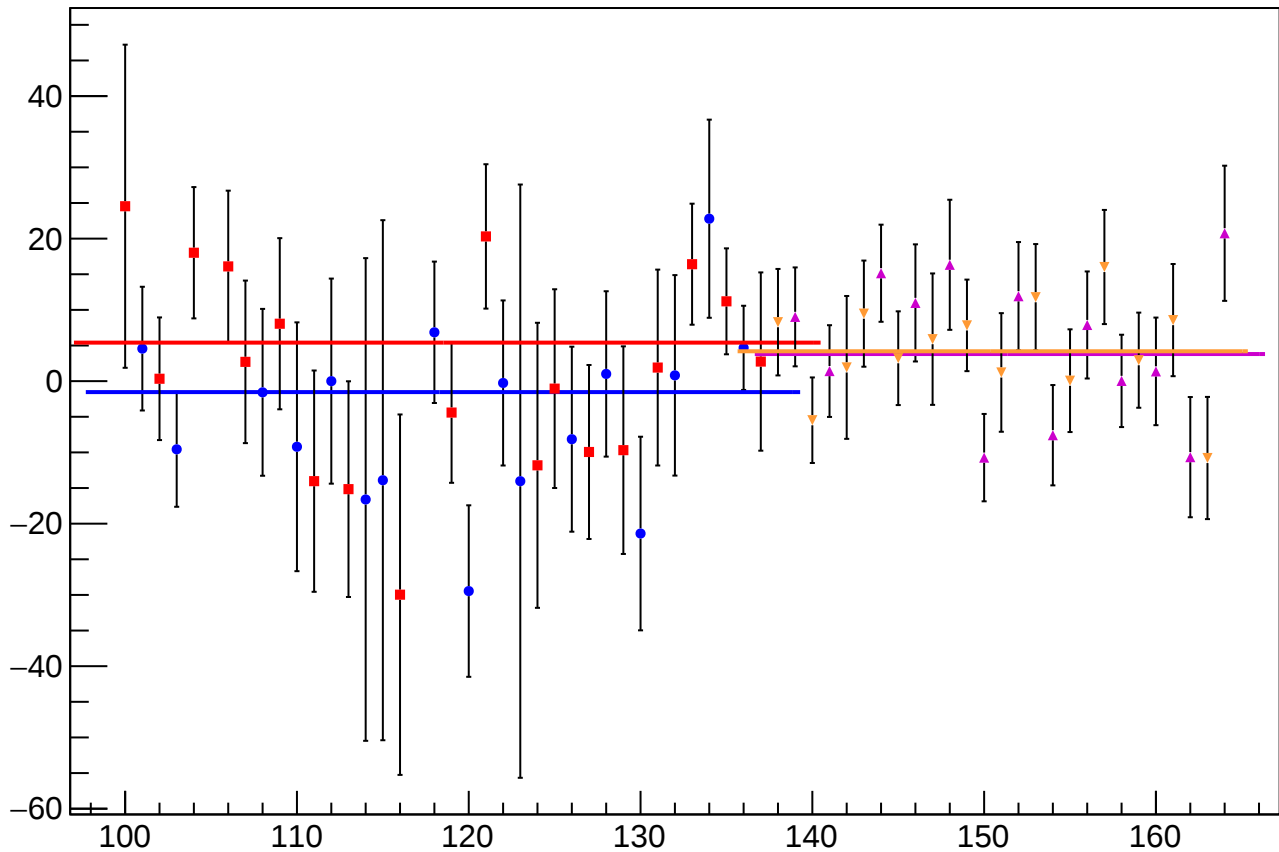
Left In: 9023.342+/-2.005 χ^2/NDF : 273655.1/12

+ sign 9773.367+/-1.716 χ^2/NDF : 1790038.9/30

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

- sign 10005.950+/-1.744 χ^2/NDF : 1758660.5/31

diff_bpm4eY_mean vs Slug



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

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

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

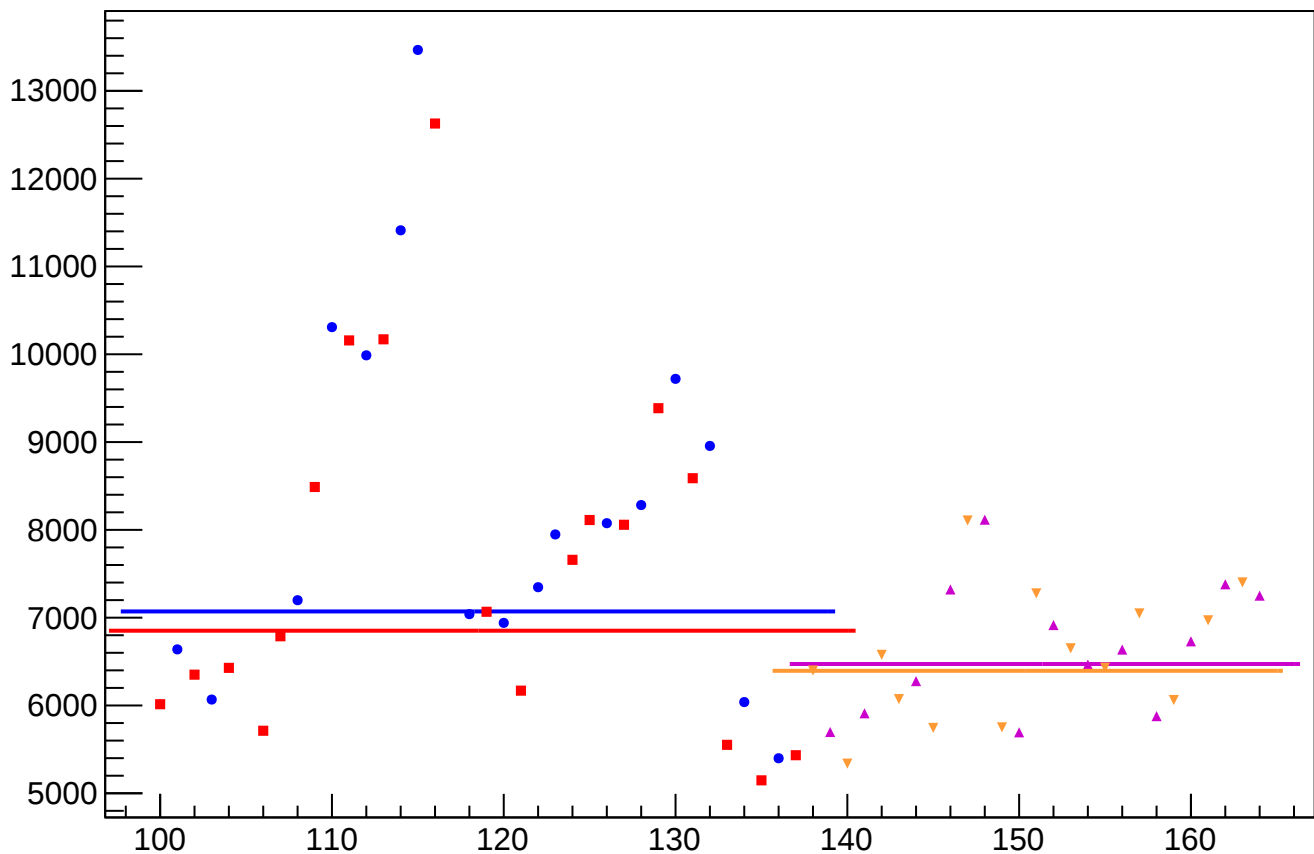
Left In: 3.803 ± 2.035 χ^2/NDF : 22.4/12

+ sign 2.259 ± 1.621 χ^2/NDF : 28.5/30

All: 3.336 ± 1.143 χ^2/NDF : 70.6/62

- sign 4.400 ± 1.611 χ^2/NDF : 41.2/31

diff_bpm4eY_rms vs Slug



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

Left Out: 6394.760+/-1.408 χ^2/NDF : 256502.6/13

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

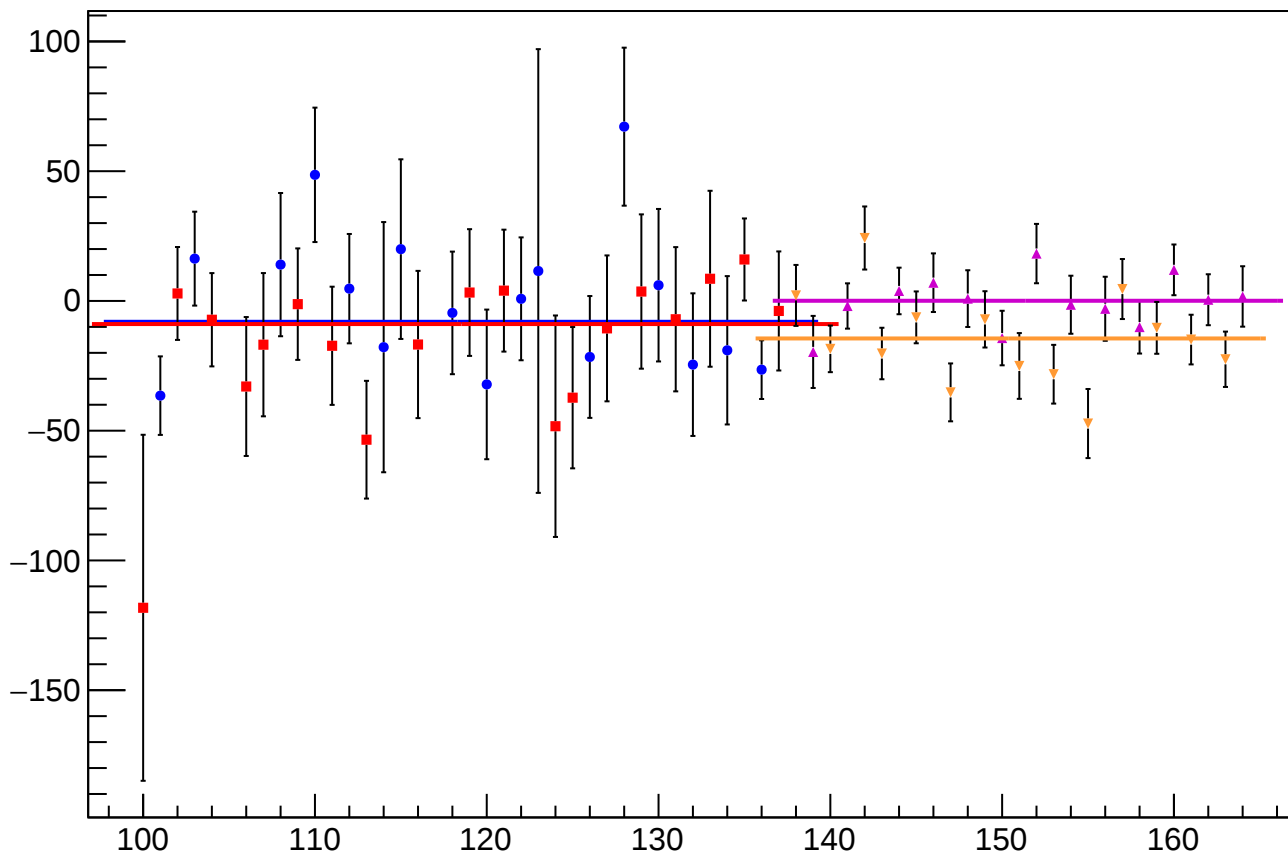
Left In: 6472.487+/-1.439 χ^2/NDF : 223739.7/12

+ sign 6622.948+/-1.146 χ^2/NDF : 935090.7/30

All: 6618.335+/-0.808 χ^2/NDF : 1869142.5/62

- sign 6613.775+/-1.139 χ^2/NDF : 934019.6/31

diff_bpm4acX_mean vs Slug



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

Left Out: -14.456 ± 2.886 χ^2/NDF : 29.0/13

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

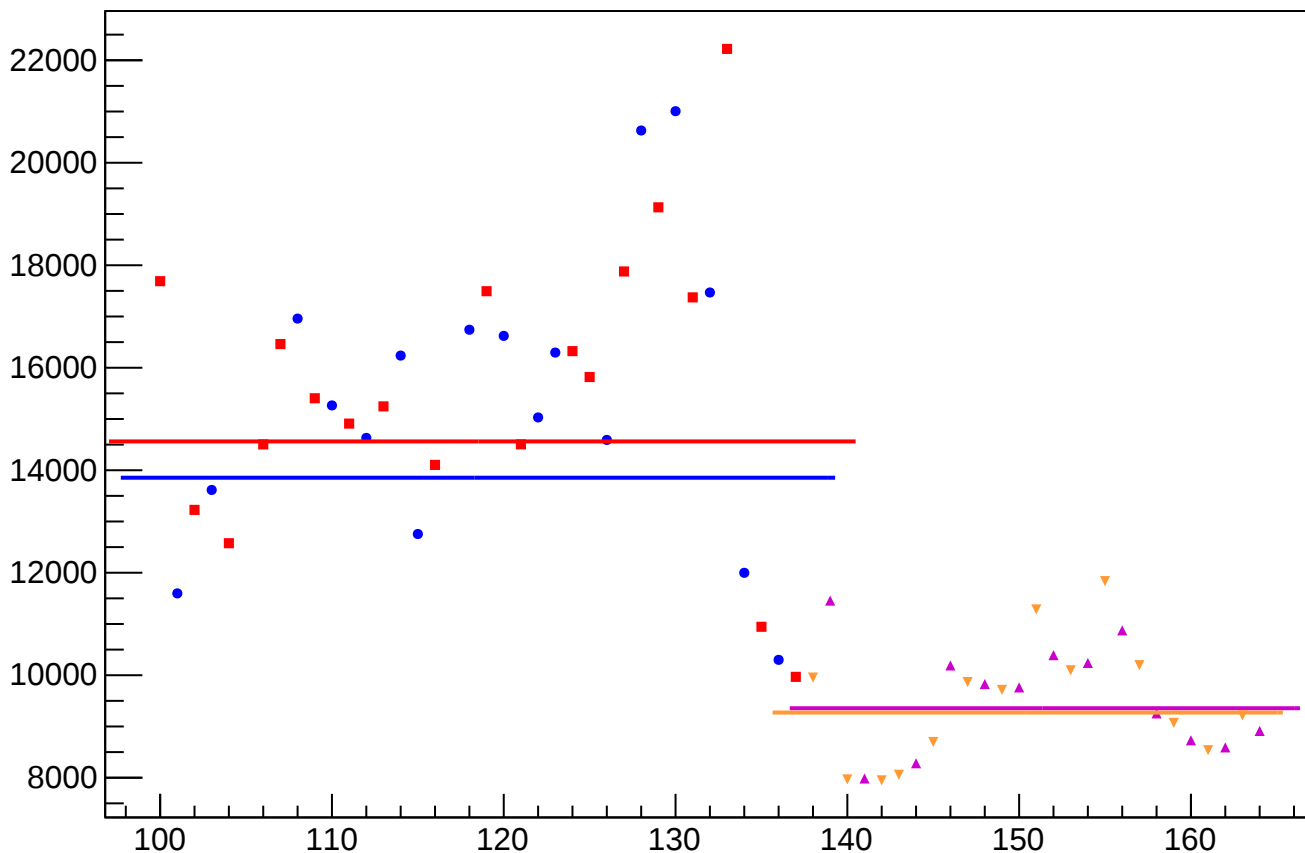
Left In: 0.066 ± 2.936 χ^2/NDF : 9.6/12

+ sign -13.069 ± 2.556 χ^2/NDF : 52.6/30

All: -7.567 ± 1.821 χ^2/NDF : 87.4/62

- sign -1.887 ± 2.597 χ^2/NDF : 25.3/31

diff_bpm4acX_rms vs Slug



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

Left Out: 9271.952+/-2.041 χ^2/NDF : 278945.6/13

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

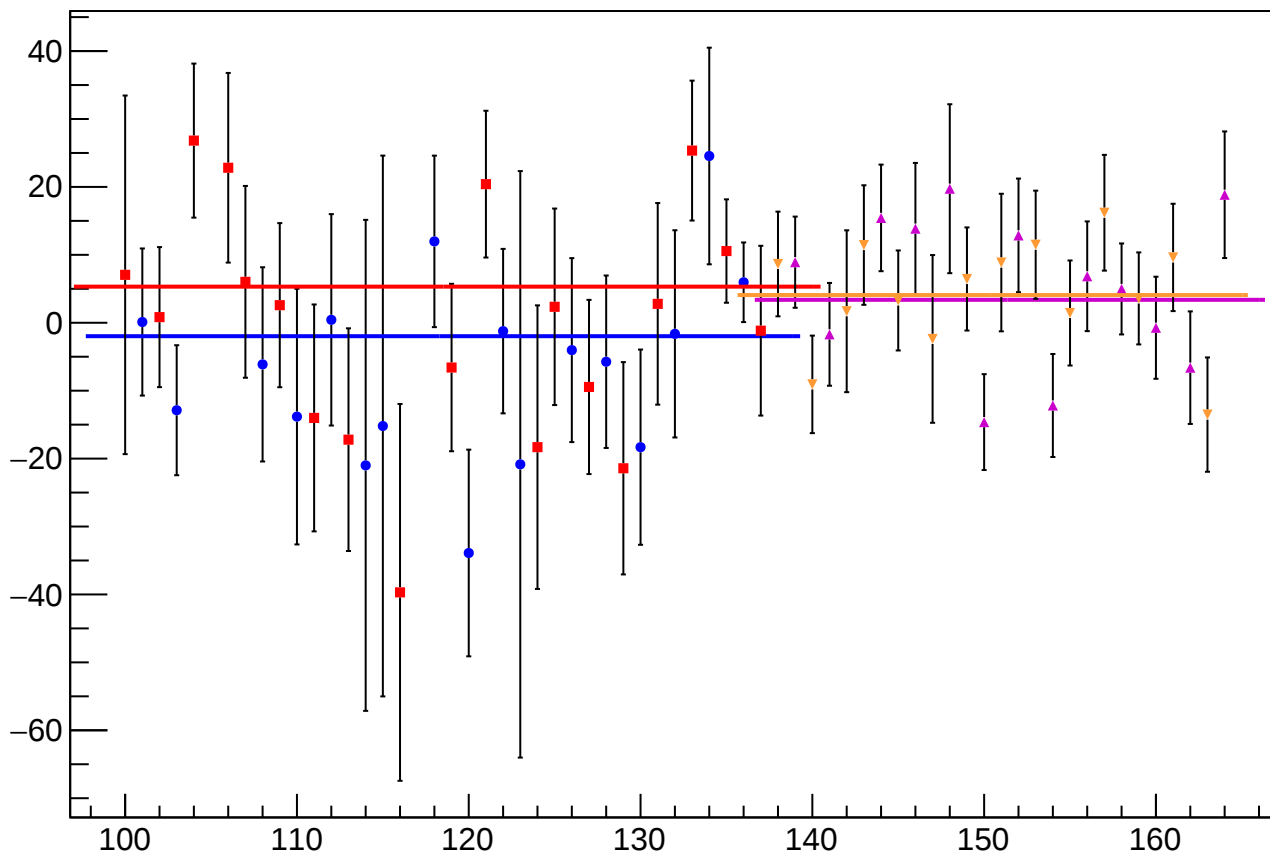
Left In: 9356.018+/-2.076 χ^2/NDF : 223959.6/12

+ sign 10262.201+/-1.807 χ^2/NDF : 1969162.8/30

All: 10373.873+/-1.288 χ^2/NDF : 4044072.2/6

- sign 10489.176+/-1.836 χ^2/NDF : 2067147.3/31

diff_bpm4acY_mean vs Slug



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

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

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

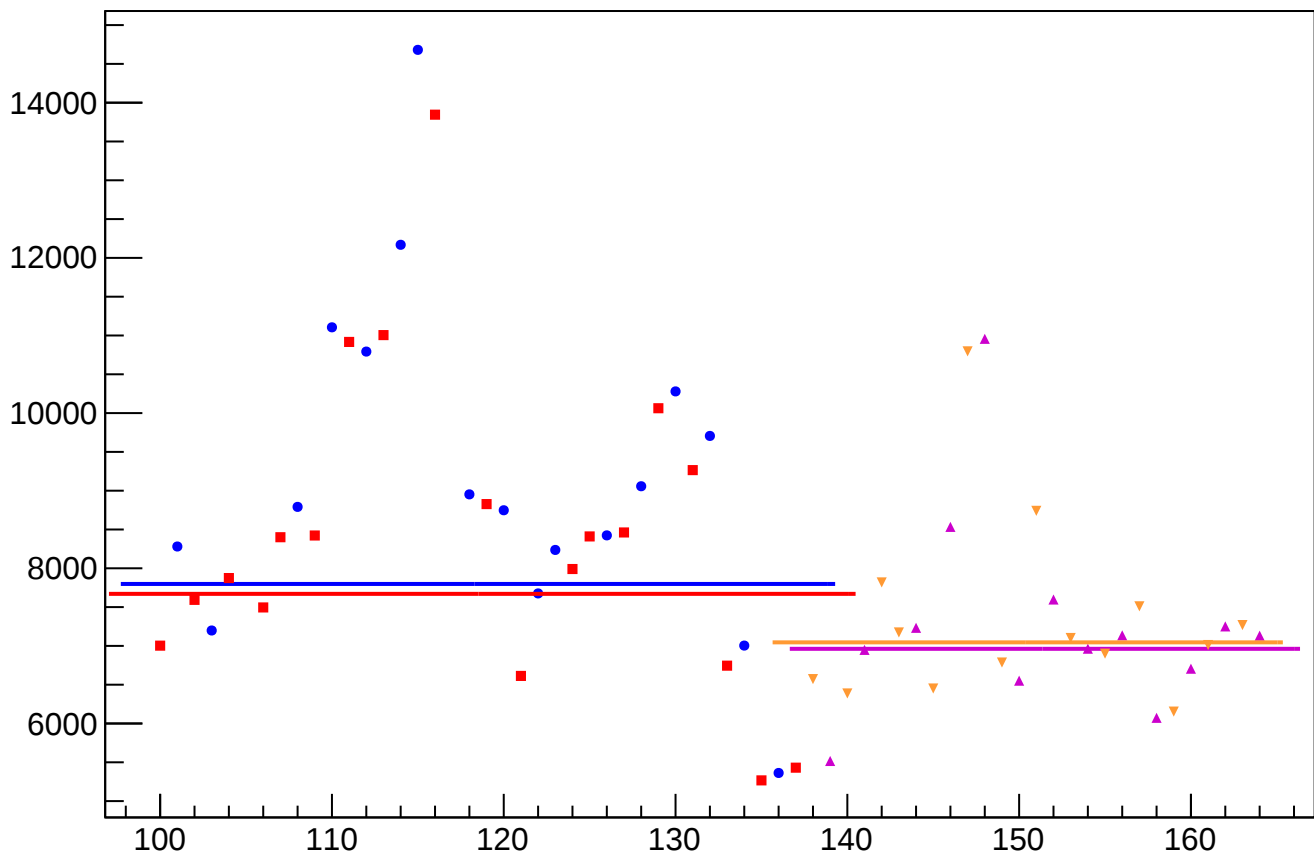
Left In: 3.377 ± 2.202 χ^2/NDF : 23.1/12

+ sign 2.045 ± 1.793 χ^2/NDF : 29.5/30

All: 3.072 ± 1.258 χ^2/NDF : 77.9/62

- sign 4.069 ± 1.766 χ^2/NDF : 47.7/31

diff_bpm4acY_rms vs Slug



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

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

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

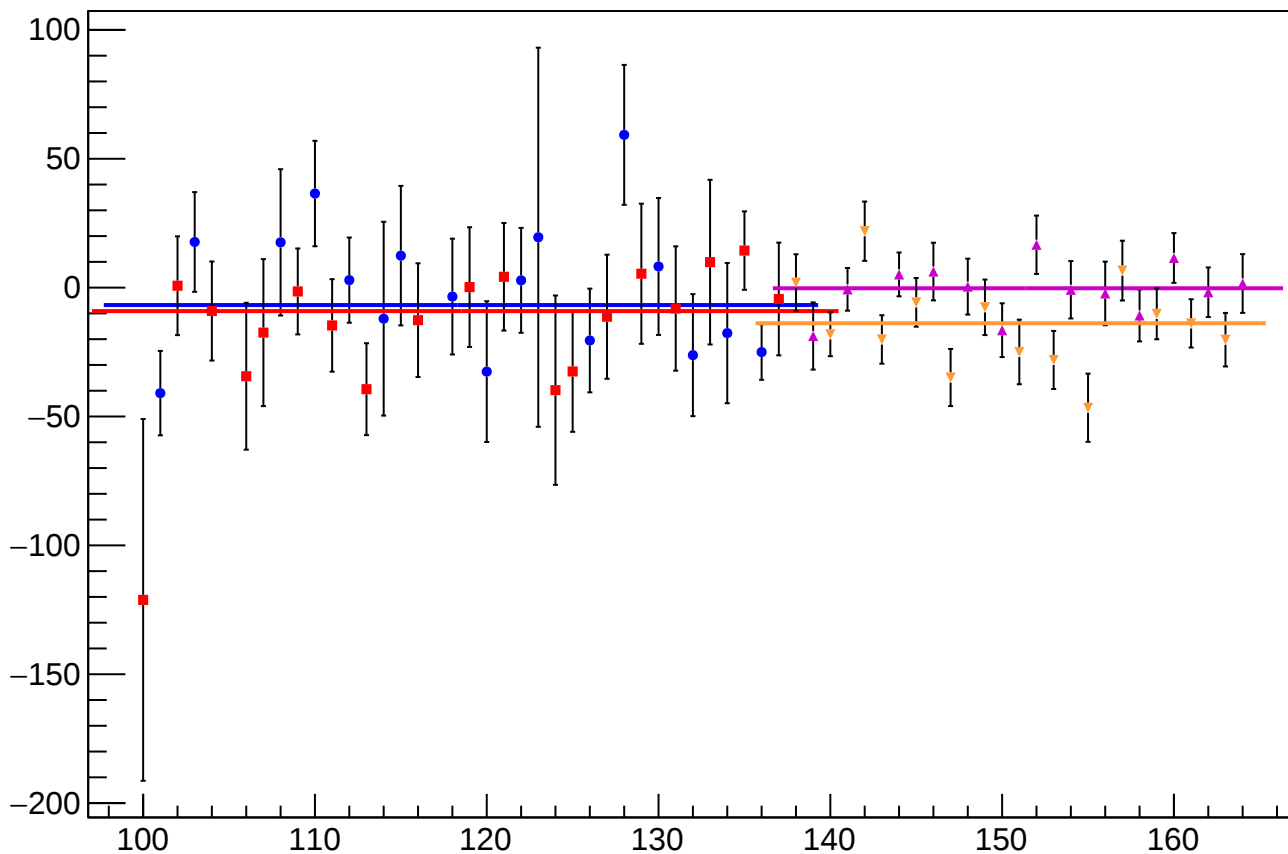
Left In: 6962.330 $\pm$ 1.557 χ^2 /NDF:414141.4/12

+ sign 7298.451 $\pm$ 1.268 χ^2 /NDF: 1146861.6/30

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

- sign 7214.826 $\pm$ 1.249 χ^2 /NDF: 1160590.7/31

diff_bpm4ecX_mean vs Slug



Right In: -6.760 ± 5.085 $\chi^2/\text{NDF}: 23.7/16$

Left Out: -13.813 ± 2.803 $\chi^2/\text{NDF}: 29.2/13$

Right Out: -9.102 ± 5.070 $\chi^2/\text{NDF}: 12.2/18$

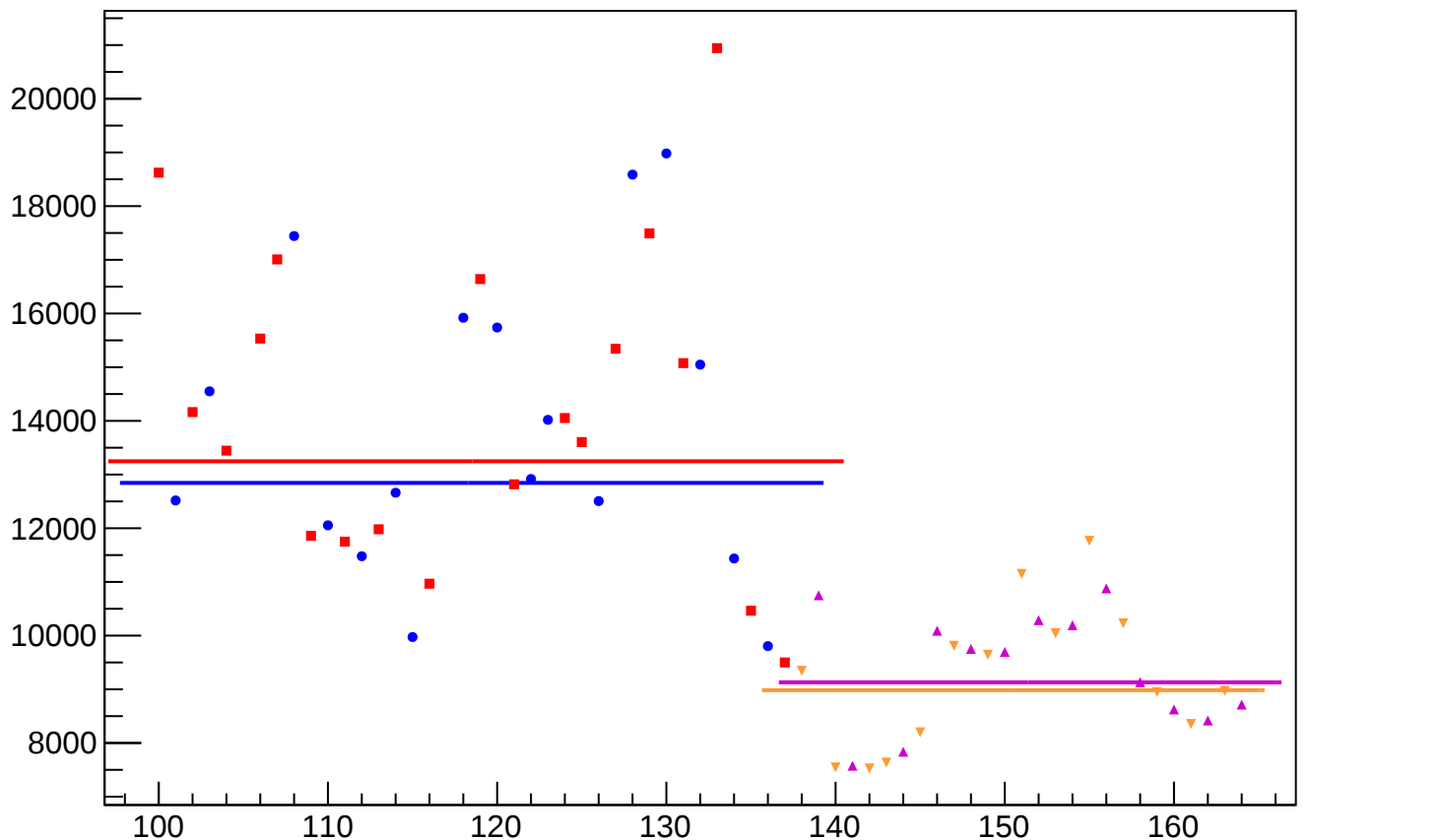
Left In: -0.242 ± 2.869 $\chi^2/\text{NDF}: 10.1/12$

+ sign -12.169 ± 2.455 $\chi^2/\text{NDF}: 54.4/30$

All: -7.363 ± 1.750 $\chi^2/\text{NDF}: 86.8/62$

- sign -2.390 ± 2.497 $\chi^2/\text{NDF}: 24.6/31$

diff_bpm4ecX_rms vs Slug



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

Left Out: 8983.919+/-1.982 χ^2/NDF : 363318.7/13

+ sign 9883.643+/-1.736 χ^2/NDF : 1794734.6/30

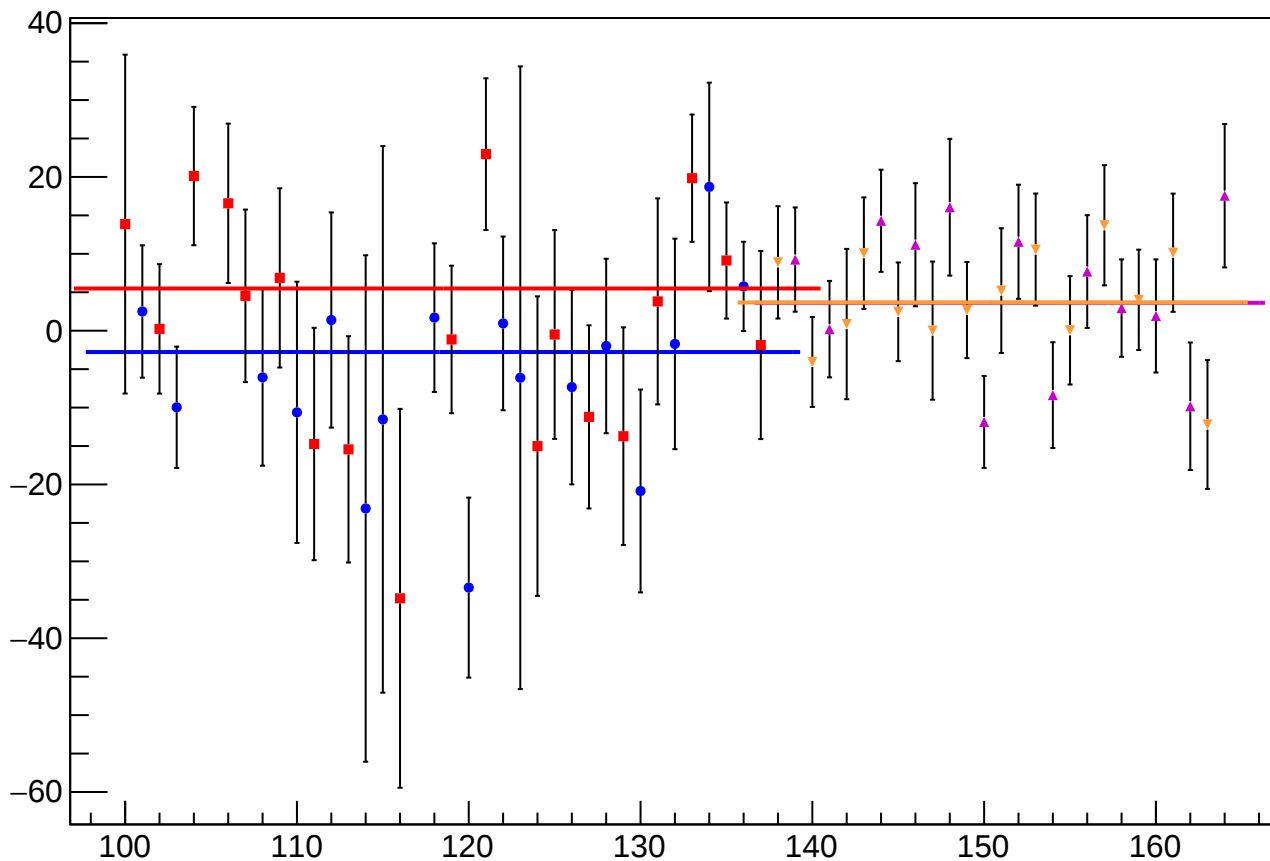
Right Out: 13247.253+/-3.585 χ^2/NDF : 485481.6/18

All: 10003.987+/-1.238 χ^2/NDF : 3562176.9/6

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

- sign 10128.495+/-1.766 χ^2/NDF : 1757662.1/31

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.670 ± 1.944 χ^2/NDF : 10.5/13

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

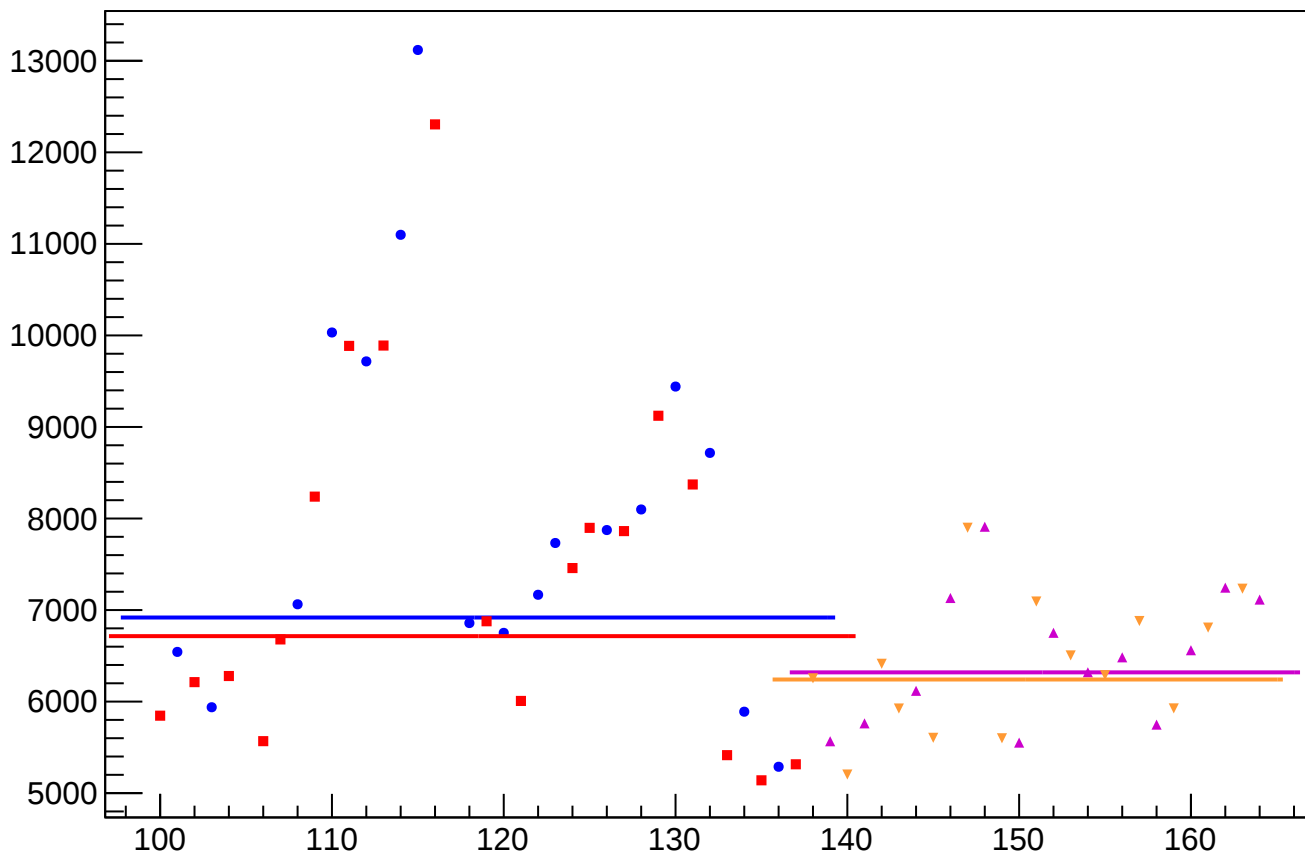
Left In: 3.630 ± 1.987 χ^2/NDF : 22.6/12

+ sign 1.504 ± 1.584 χ^2/NDF : 30.1/30

All: 2.919 ± 1.117 χ^2/NDF : 77.7/62

- sign 4.320 ± 1.576 χ^2/NDF : 46.0/31

diff_bpm4ecY_rms vs Slug



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

Left Out: 6241.270 $\pm$ 1.374 χ^2 /NDF: 257967.3/13

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

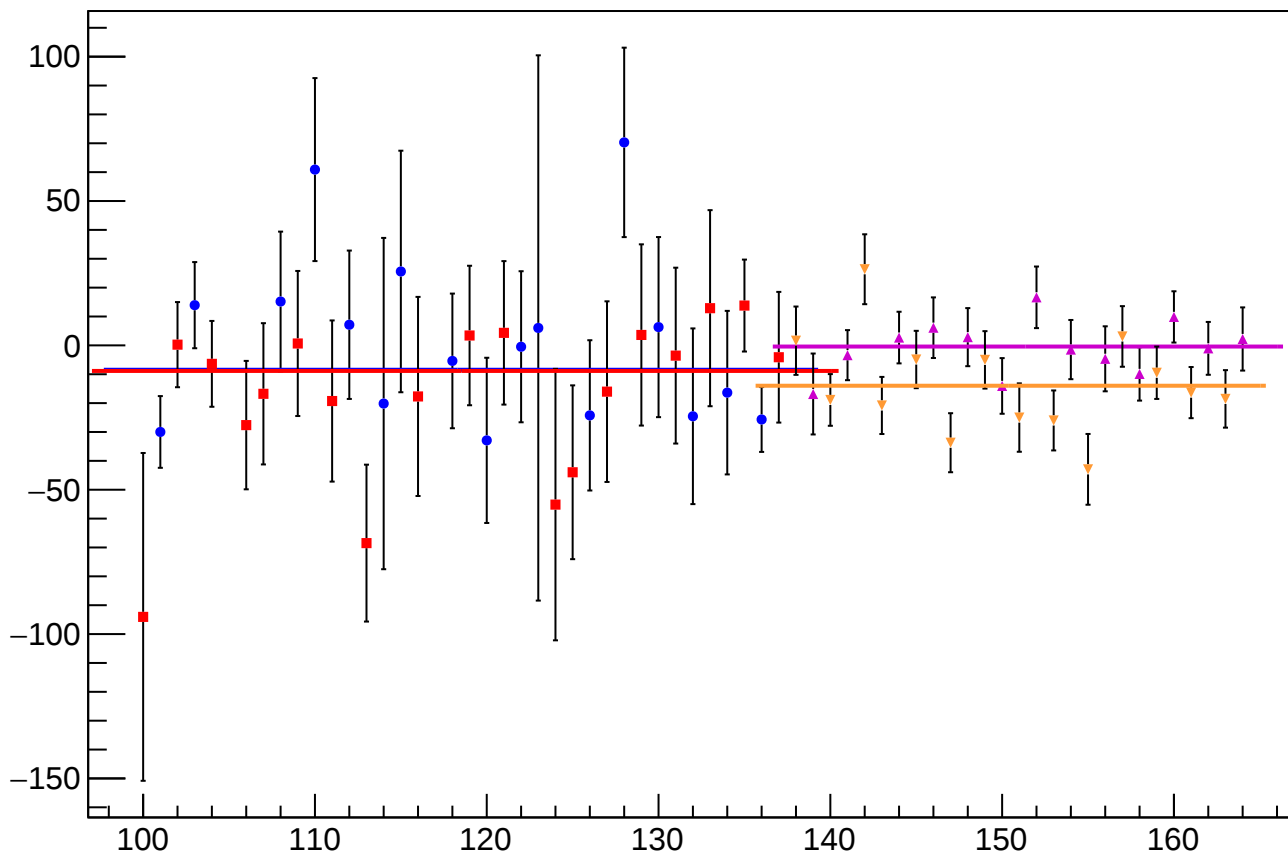
Left In: 6319.294 $\pm$ 1.405 χ^2 /NDF: 225431.9/12

+ sign 6468.862 $\pm$ 1.120 χ^2 /NDF: 926615.9/30

All: 6467.464 $\pm$ 0.790 χ^2 /NDF: 1837490.9/62

- sign 6466.080 $\pm$ 1.114 χ^2 /NDF: 910871.9/31

diff_bpm1X_mean vs Slug



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

Left Out: -13.980 ± 2.736 χ^2/NDF : 30.0/13

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

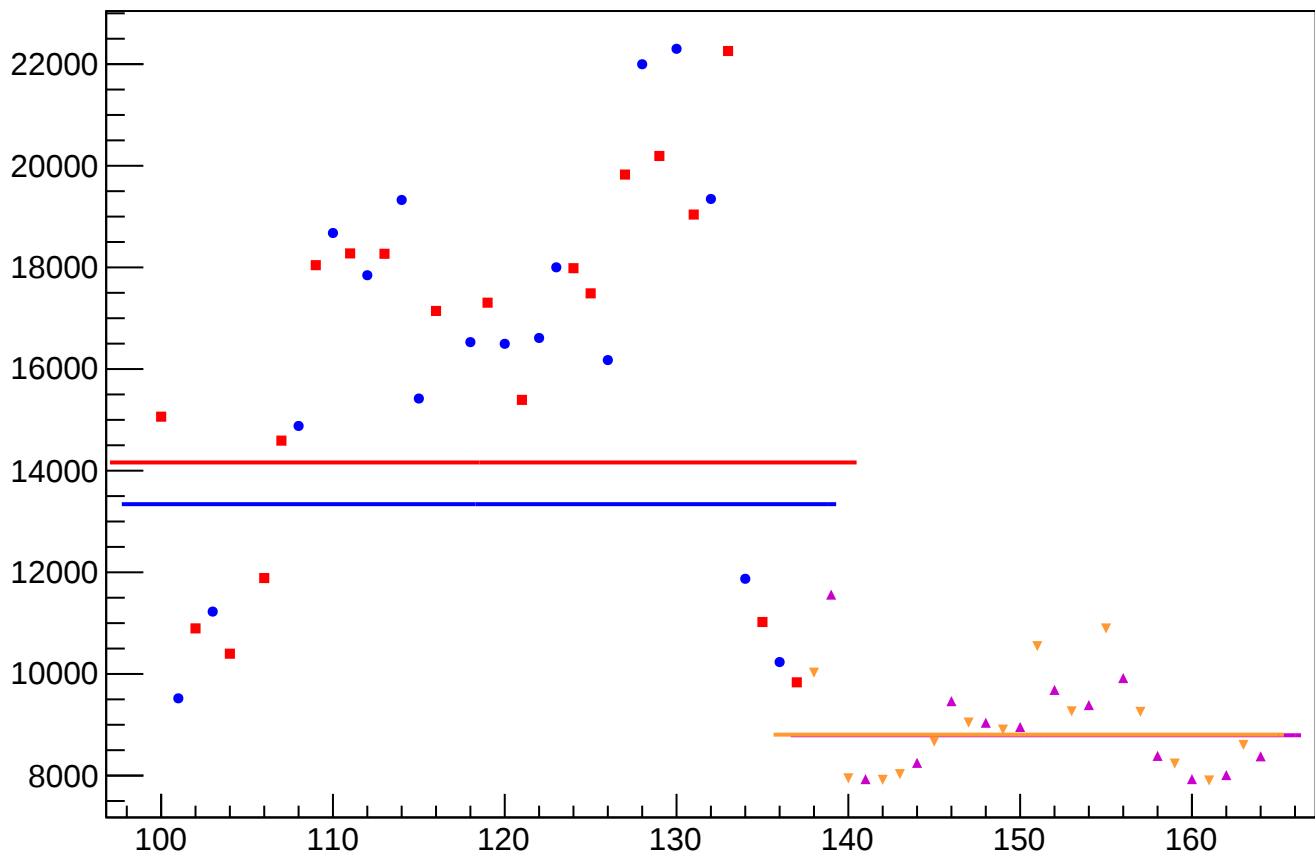
Left In: -0.406 ± 2.758 χ^2/NDF : 9.3/12

+ sign -12.848 ± 2.440 χ^2/NDF : 52.8/30

All: -7.531 ± 1.734 χ^2/NDF : 87.8/62

- sign -2.099 ± 2.466 χ^2/NDF : 25.4/31

diff_bpm1X_rms vs Slug



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

Left Out: 8806.018+/-1.935 χ^2/NDF : 202748.7/13

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

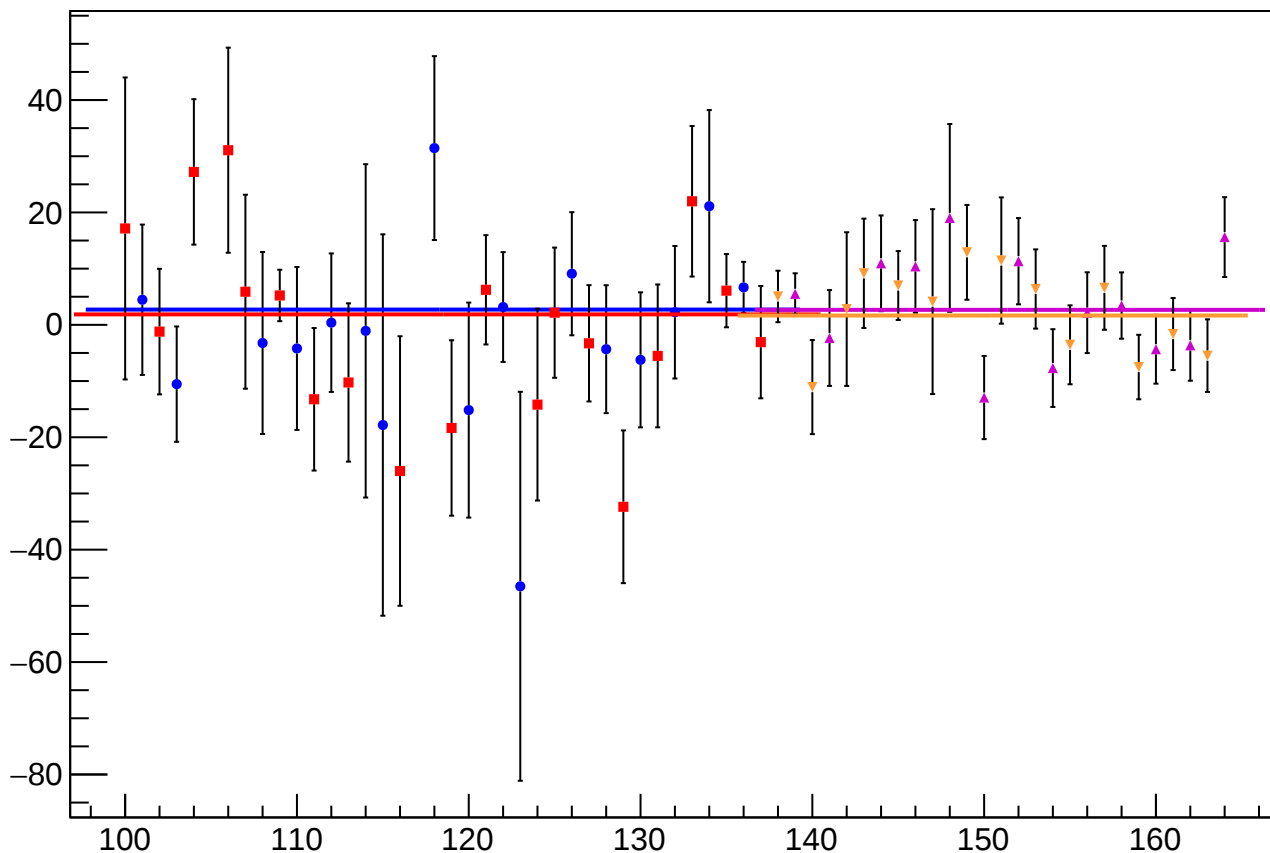
Left In: 8793.669+/-1.950 χ^2/NDF : 196116.3/12

+ sign 9734.271+/-1.725 χ^2/NDF : 2372077.3/30

All: 9801.235+/-1.226 χ^2/NDF : 5021781.5/62

- sign 9869.644+/-1.744 χ^2/NDF : 2646658.7/31

diff_bpm1Y_mean vs Slug



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

Left Out: 1.661 ± 1.934 χ^2/NDF : 12.3/13

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

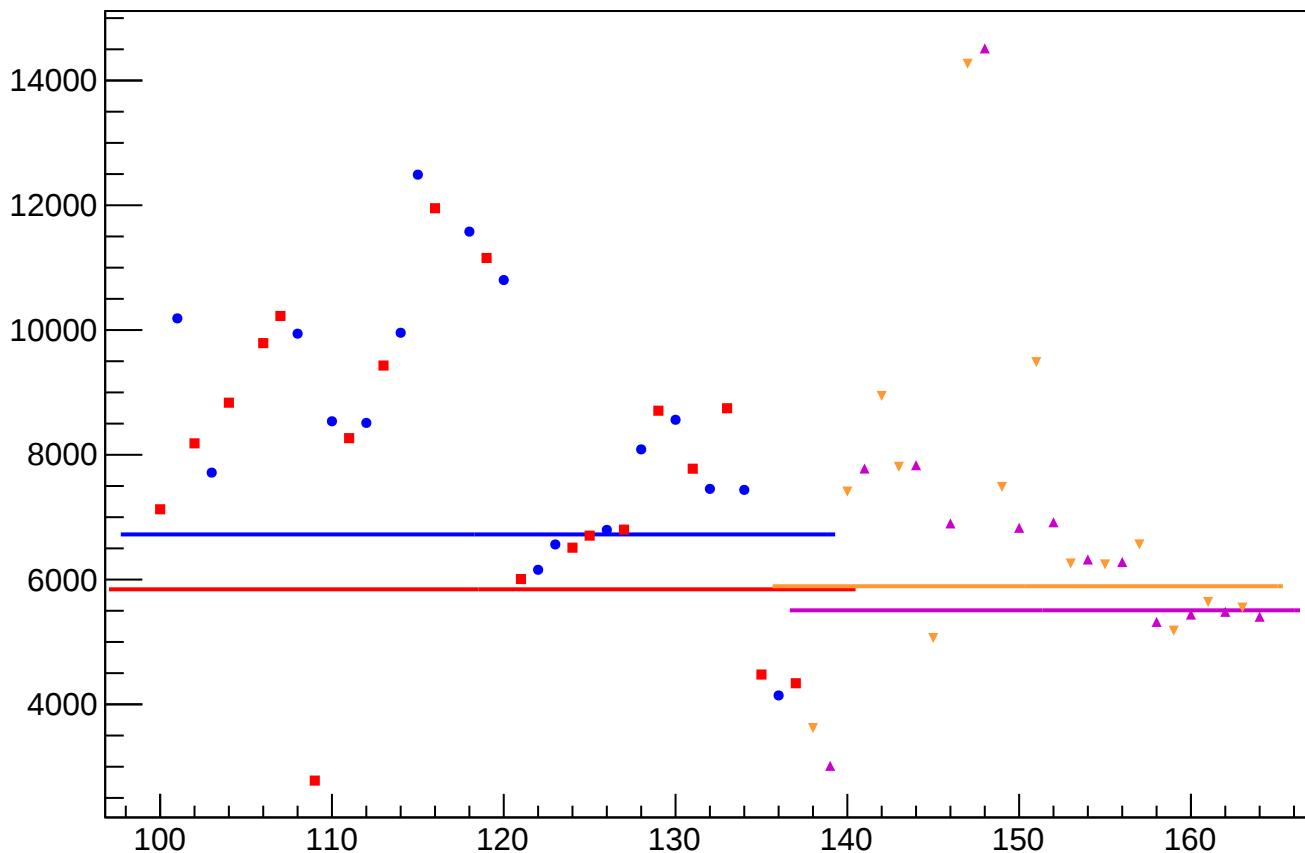
Left In: 2.669 ± 1.836 χ^2/NDF : 17.3/12

+ sign 2.010 ± 1.583 χ^2/NDF : 24.0/30

All: 2.207 ± 1.076 χ^2/NDF : 65.0/62

- sign 2.377 ± 1.467 χ^2/NDF : 40.9/31

diff_bpm1Y_rms vs Slug



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

Left Out: 5893.113+/-1.368 χ^2/NDF : 1632790.0/13

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

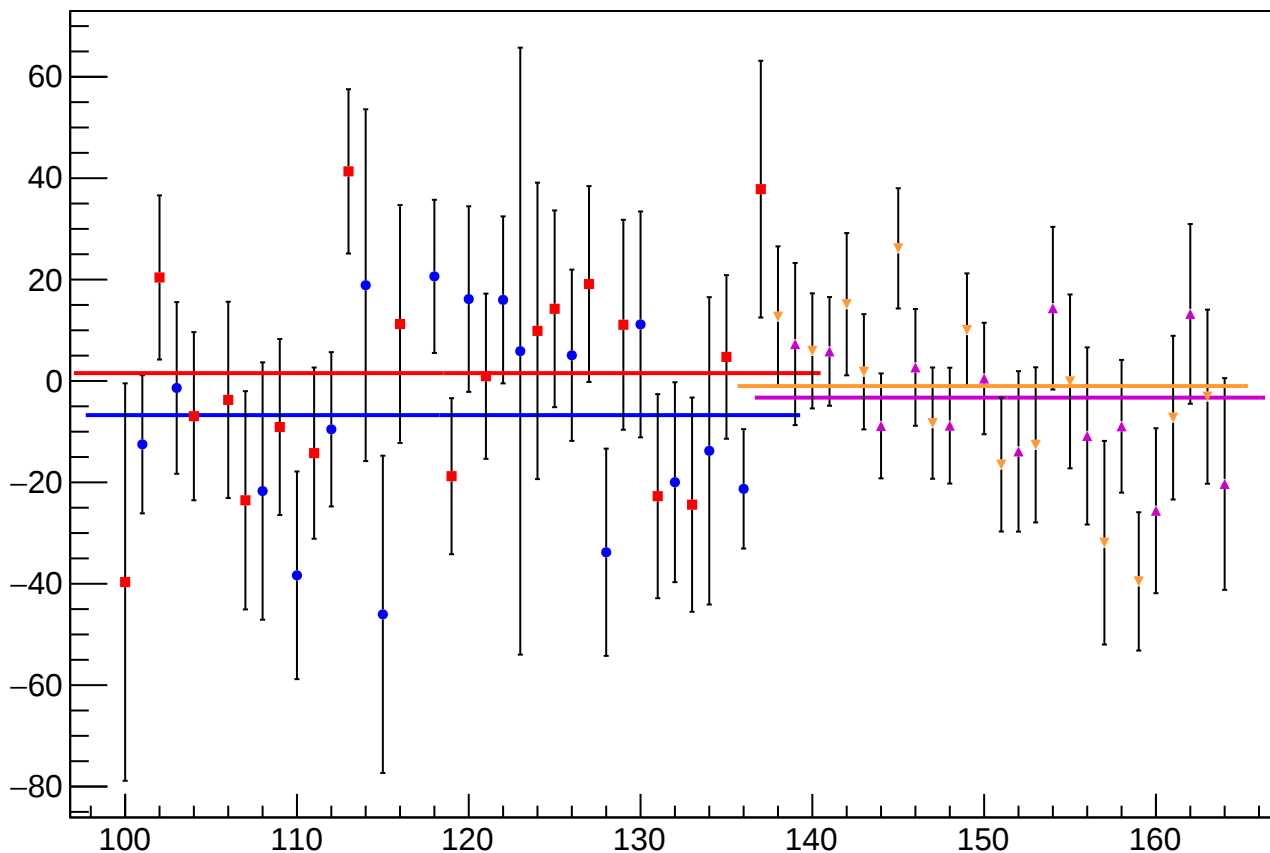
Left In: 5507.162+/-1.299 χ^2/NDF : 2045405.7/12

+ sign 6167.822+/-1.119 χ^2/NDF : 3146847.5/30

All: 5878.014+/-0.761 χ^2/NDF : 7618503.6/62

- sign 5628.975+/-1.037 χ^2/NDF : 4346950.9/31

diff_bpm11X_mean vs Slug



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

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

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

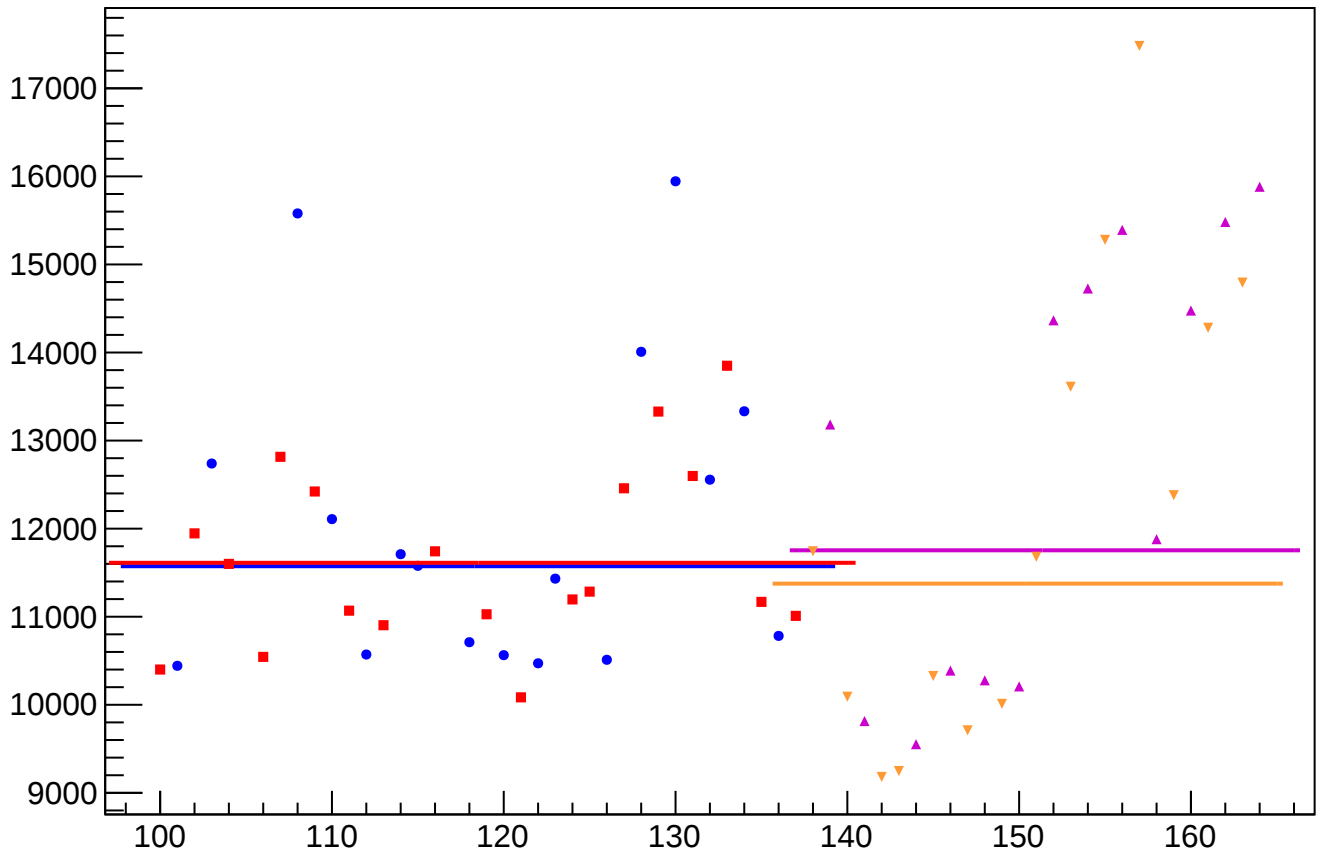
Left In: -3.281 ± 3.735 χ^2/NDF : 7.5/12

+ sign -3.227 ± 2.808 χ^2/NDF : 39.7/30

All: -2.246 ± 1.997 χ^2/NDF : 68.2/62

- sign -1.243 ± 2.840 χ^2/NDF : 28.2/31

diff_bpm11X_rms vs Slug



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

Left Out: 11375.662 $\pm$ 2.537 χ^2 /NDF: 724644.8/13

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

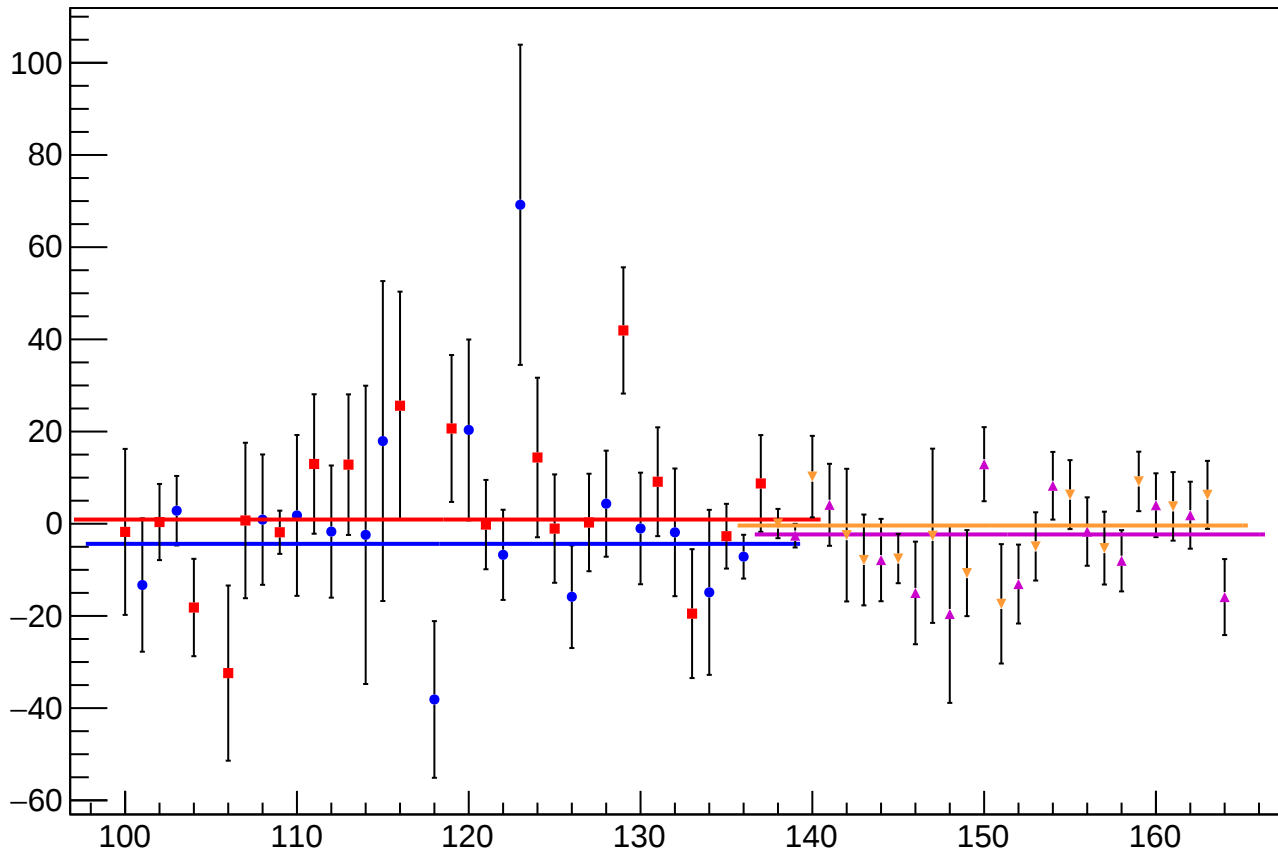
Left In: 11754.038 $\pm$ 2.641 χ^2 /NDF: 705511.9/12

+ sign 11452.278 $\pm$ 1.986 χ^2 /NDF: 965734.3/30

All: 11571.887 $\pm$ 1.412 χ^2 /NDF: 1774107.6/60

- sign 11694.201 $\pm$ 2.008 χ^2 /NDF: 801036.3/31

diff_bpm11Y_mean vs Slug



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

Left Out: -0.383 ± 1.842 χ^2/NDF : 11.7/13

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

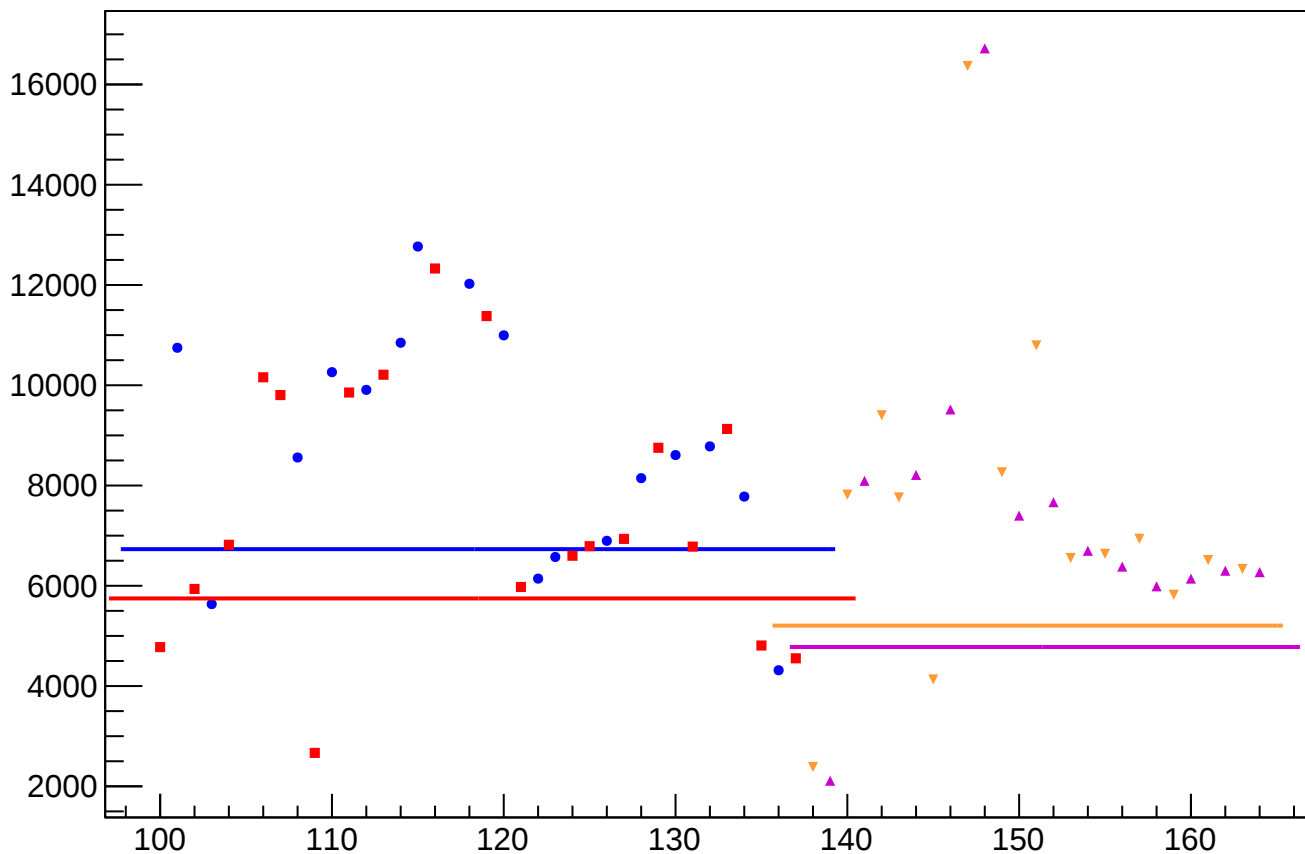
Left In: -2.320 ± 1.737 χ^2/NDF : 14.9/12

+ sign -1.599 ± 1.535 χ^2/NDF : 27.6/30

All: -1.396 ± 1.039 χ^2/NDF : 67.3/62

- sign -1.224 ± 1.412 χ^2/NDF : 39.6/31

diff_bpm11Y_rms vs Slug



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

Left Out: 5205.625+/-1.302 χ^2/NDF : 3783924.8/13

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

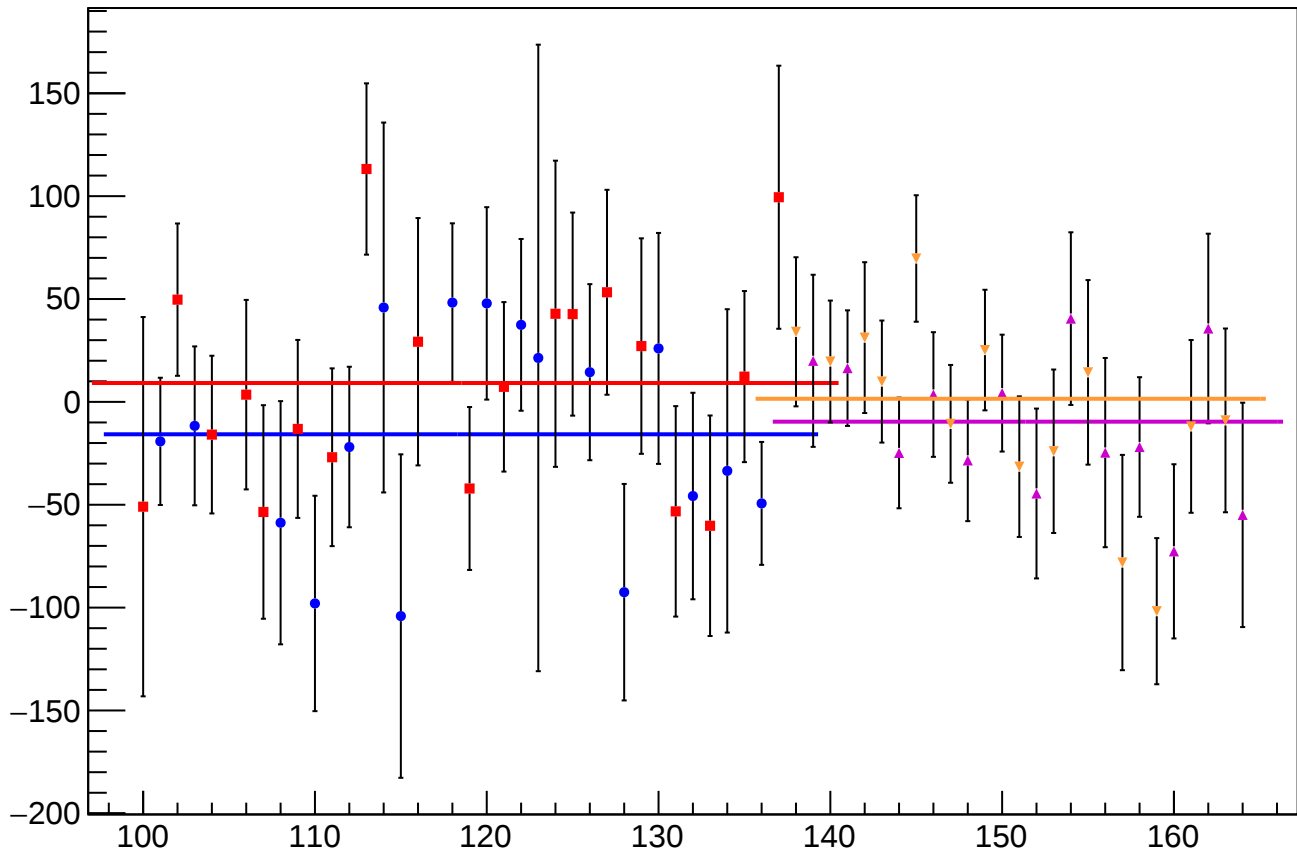
Left In: 4779.174+/-1.228 χ^2/NDF : 4840000.8/12

+ sign 5671.774+/-1.085 χ^2/NDF : 5648230.0/30

All: 5366.169+/-0.735 χ^2/NDF : 13007581.6/6

- sign 5107.400+/-0.999 χ^2/NDF : 7212929.2/31

diff_bpm12X_mean vs Slug



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

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

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

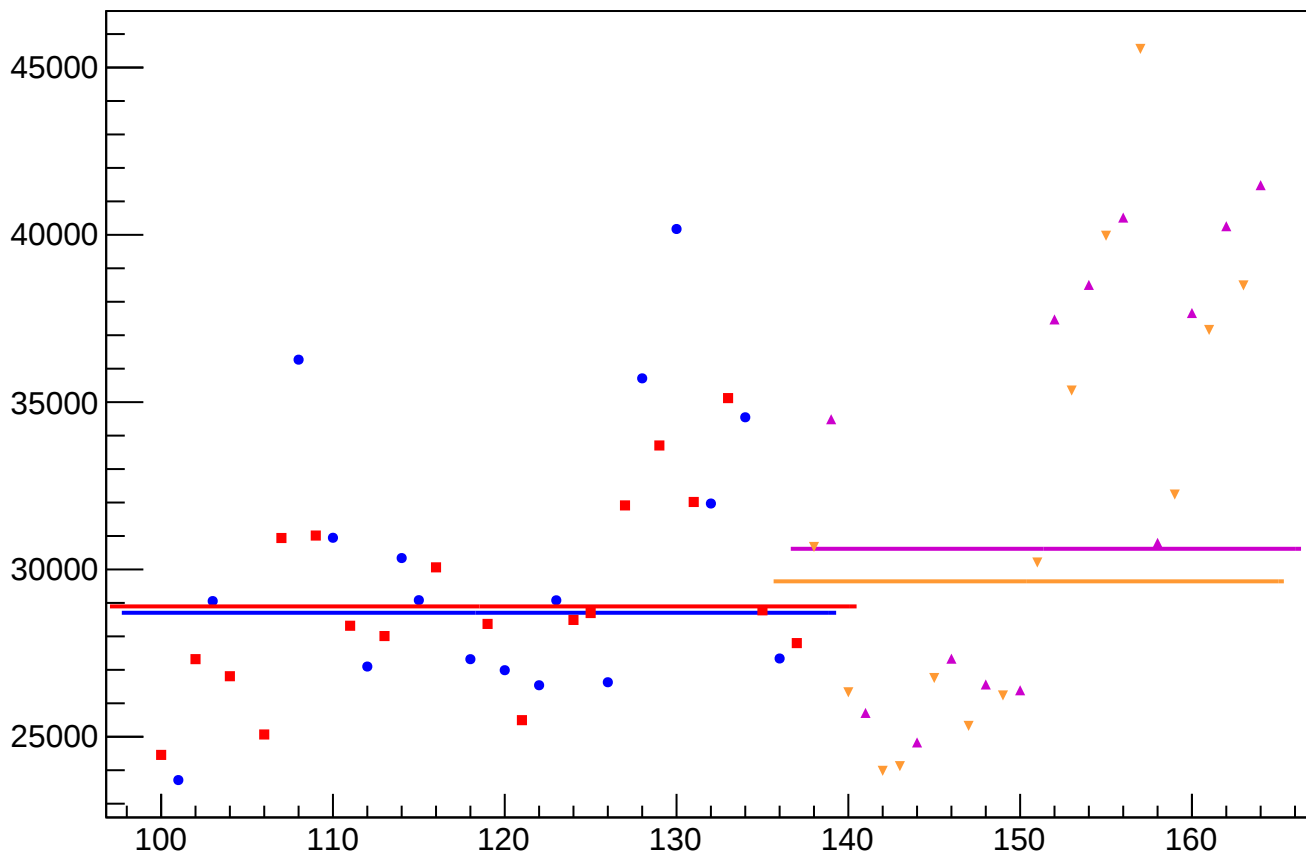
Left In: -9.622 ± 9.733 χ^2/NDF : 8.8/12

+ sign -5.569 ± 7.180 χ^2/NDF : 37.3/30

All: -3.443 ± 5.104 χ^2/NDF : 67.2/62

- sign -1.272 ± 7.257 χ^2/NDF : 29.7/31

diff_bpm12X_rms vs Slug



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

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

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

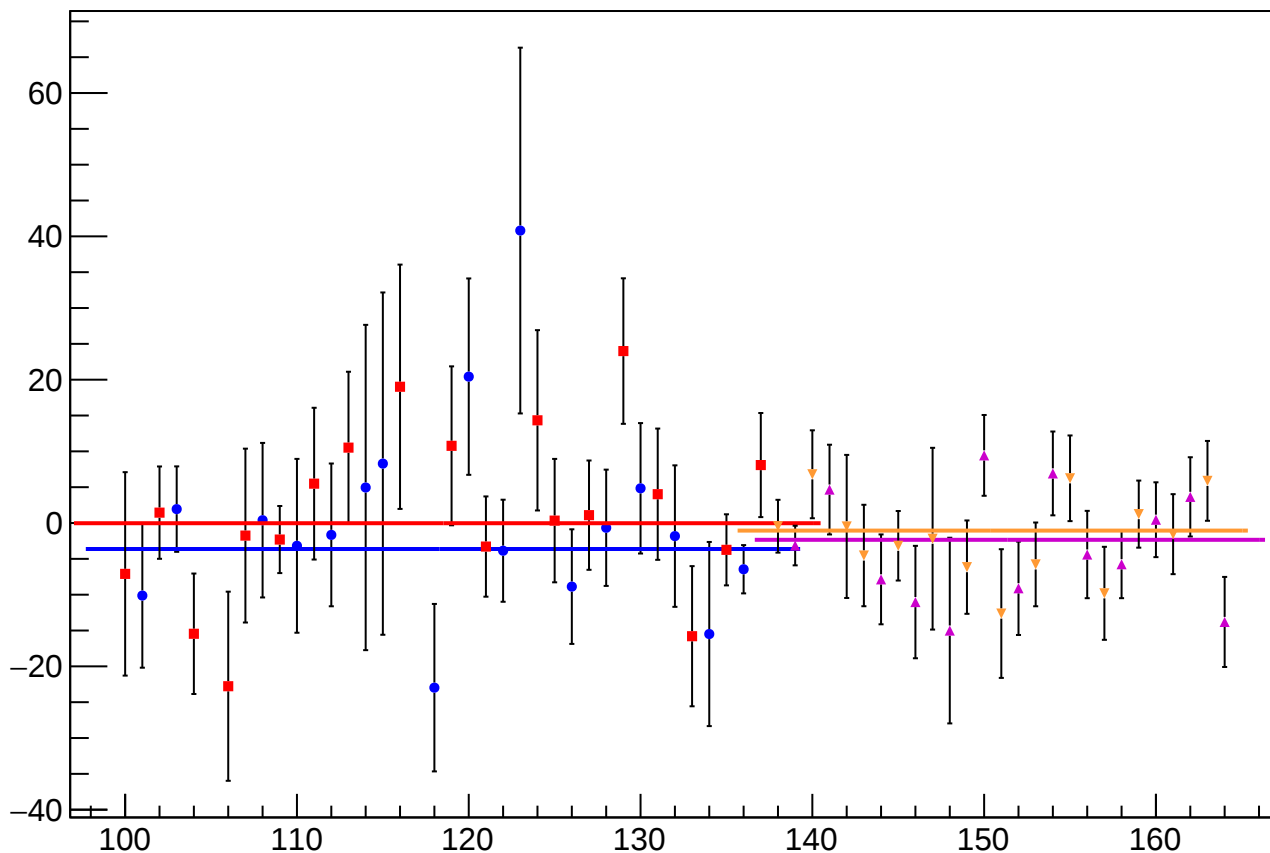
Left In: 30617.412+/-6.882 χ^2/NDF : 716904.0/12

+ sign 29259.353+/-5.077 χ^2/NDF : 979133.0/30

All: 29552.866+/-3.609 χ^2/NDF : 1841805.8/6

- sign 29852.706+/-5.131 χ^2/NDF : 855915.9/31

diff_bpm12Y_mean vs Slug



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

Left Out: -1.056 ± 1.570 χ^2/NDF : 10.1/13

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

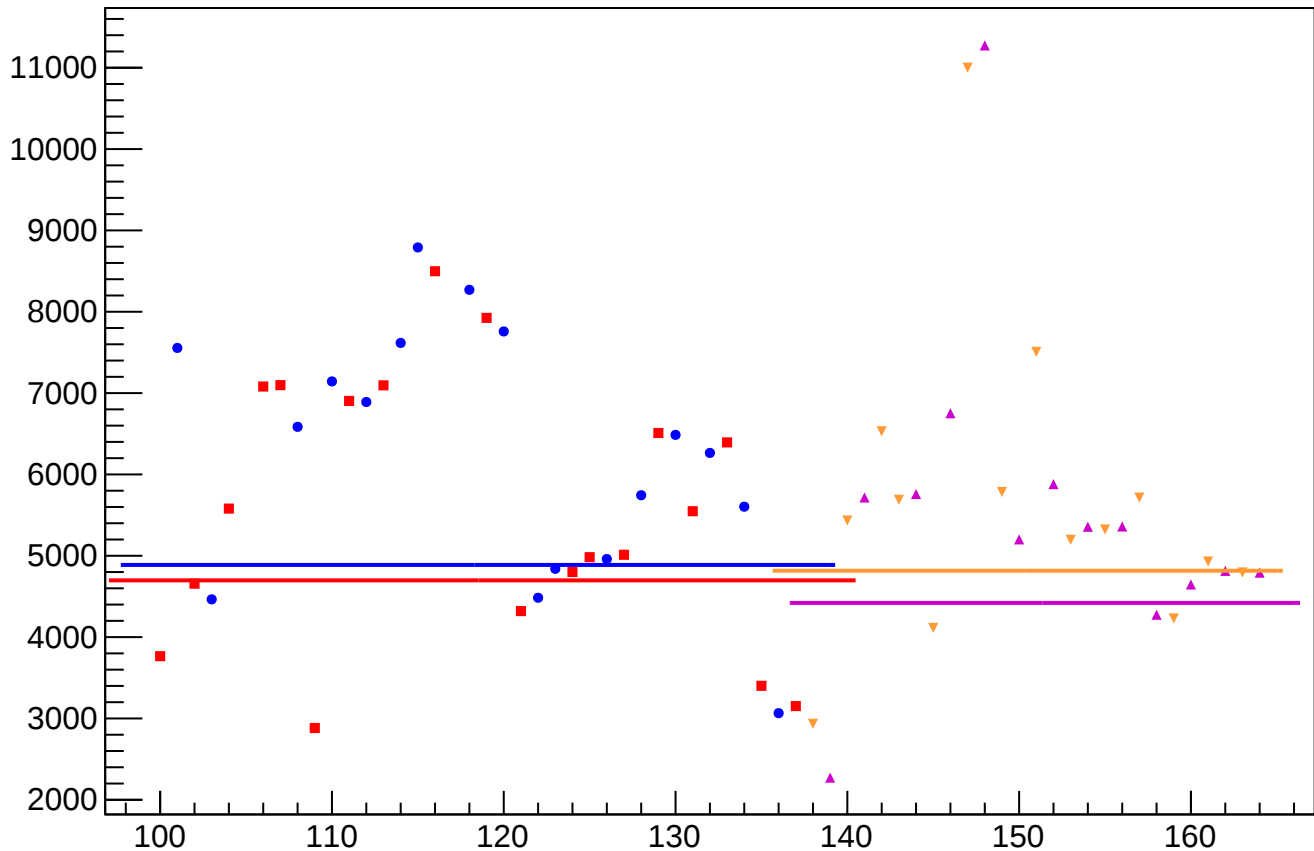
Left In: -2.342 ± 1.483 χ^2/NDF : 17.7/12

+ sign -2.031 ± 1.236 χ^2/NDF : 24.9/30

All: -1.729 ± 0.848 χ^2/NDF : 65.7/62

- sign -1.460 ± 1.167 χ^2/NDF : 40.7/31

diff_bpm12Y_rms vs Slug



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

Left Out: 4816.263 $\pm$ 1.110 χ^2 /NDF: 1466669.1/13

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

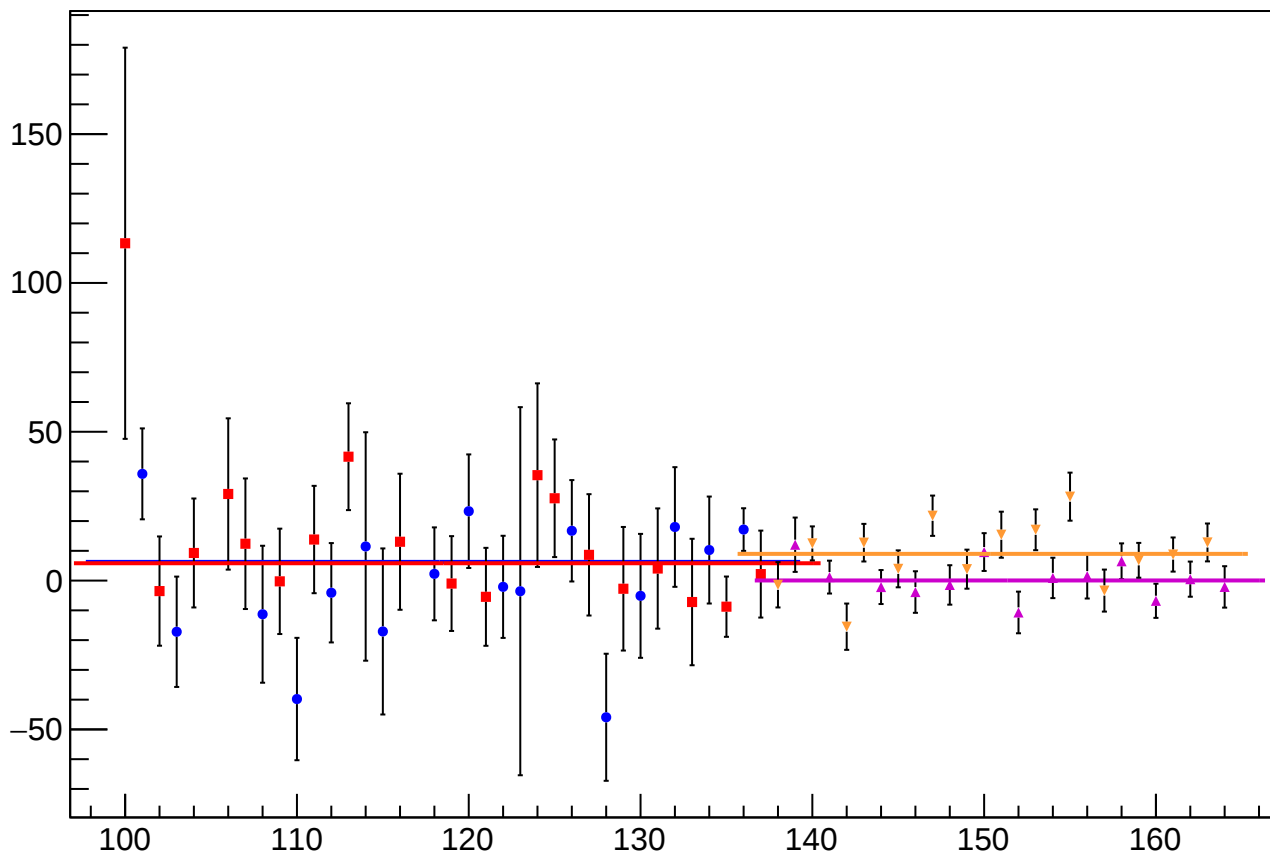
Left In: 4420.447 $\pm$ 1.049 χ^2 /NDF: 2384339.9/12

+ sign 4843.319 $\pm$ 0.874 χ^2 /NDF: 2877531.0/30

All: 4675.540 $\pm$ 0.600 χ^2 /NDF: 6671300.0/62

- sign 4526.099 $\pm$ 0.825 χ^2 /NDF: 3724106.8/31

diff_bpm16X_mean vs Slug



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

Left Out: 8.977 ± 1.773 χ^2/NDF : 28.7/13

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

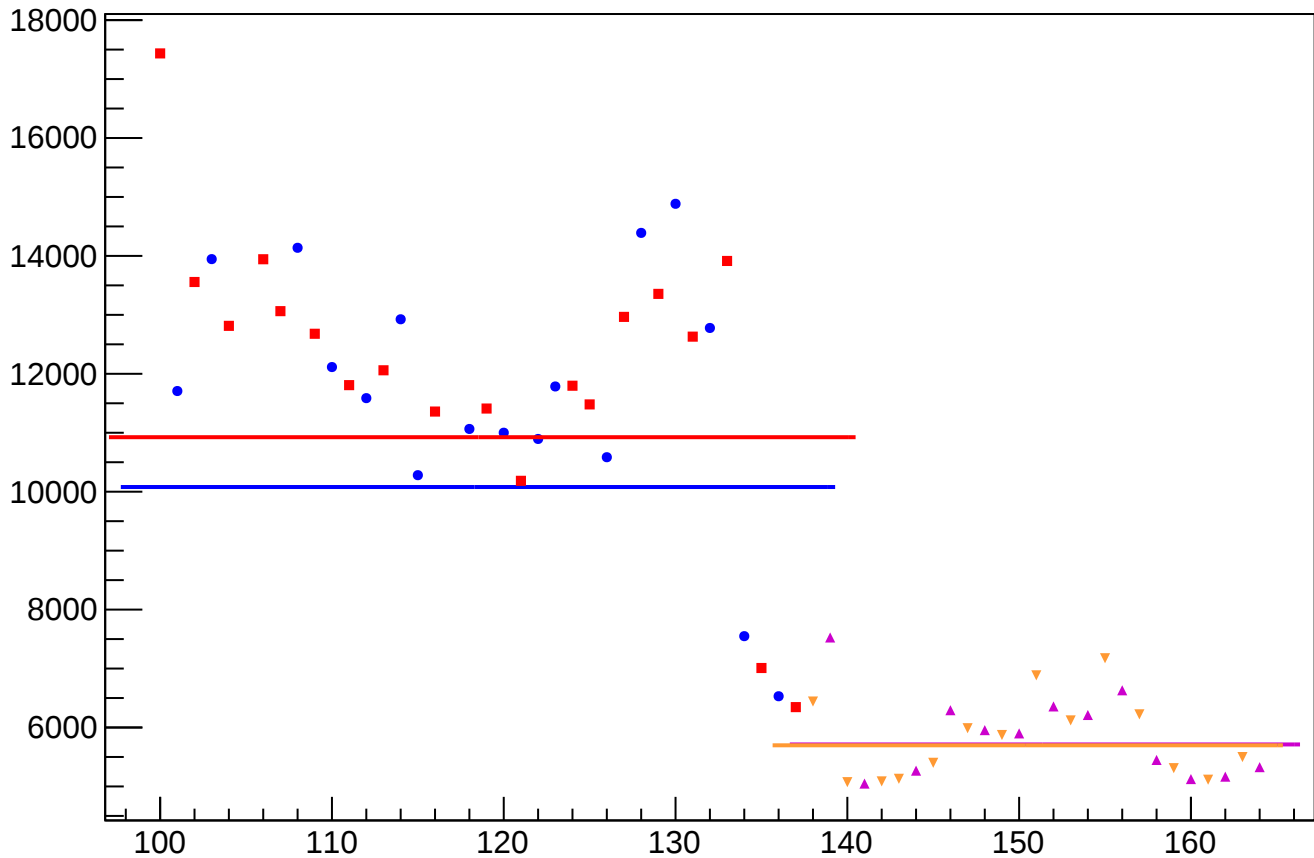
Left In: 0.046 ± 1.794 χ^2/NDF : 9.6/12

+ sign 8.547 ± 1.625 χ^2/NDF : 51.6/30

All: 4.799 ± 1.158 χ^2/NDF : 87.4/62

- sign 0.931 ± 1.651 χ^2/NDF : 25.0/31

diff_bpm16X_rms vs Slug



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

Left Out: 5697.923 $\pm$ 1.253 χ^2 /NDF:245391.8/13

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

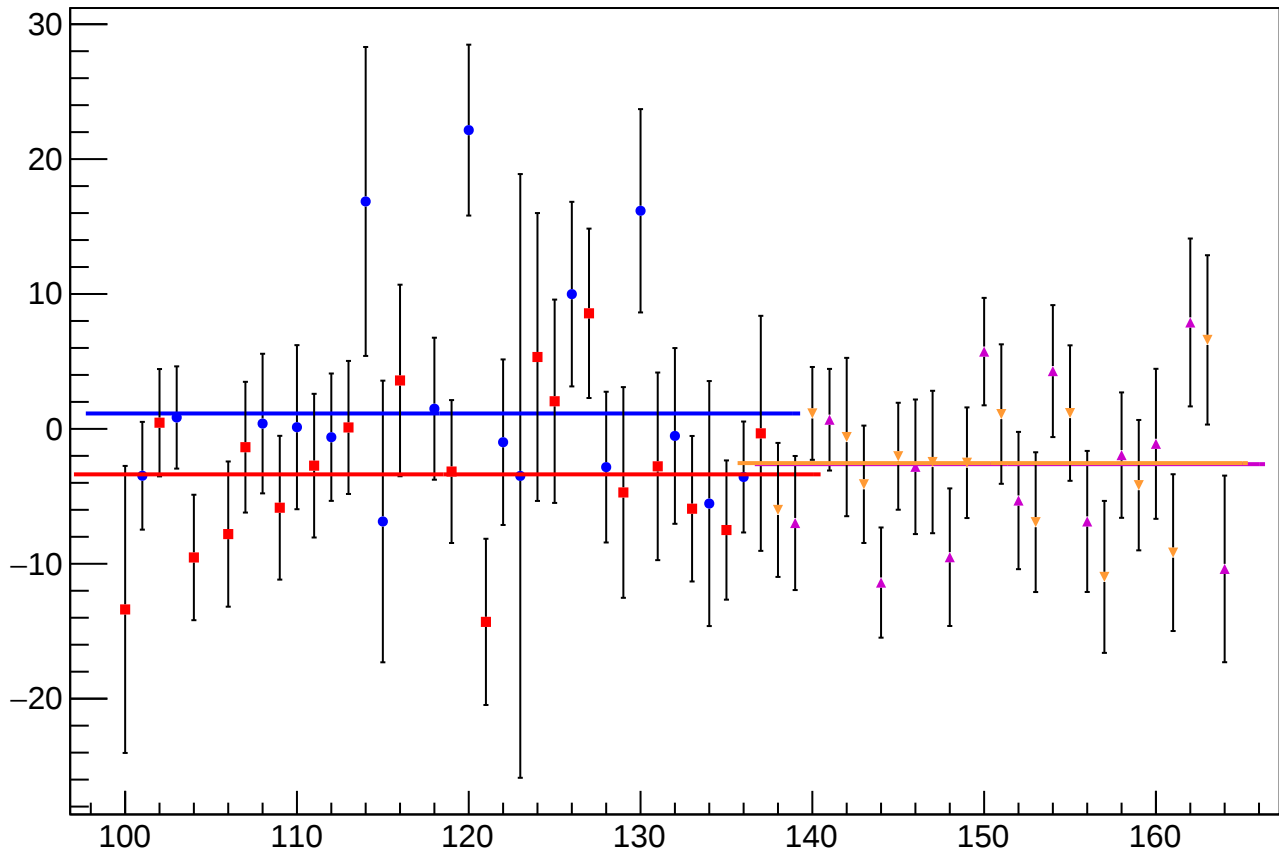
Left In: 5712.440 $\pm$ 1.268 χ^2 /NDF:244104.6/12

+ sign 6398.279 $\pm$ 1.149 χ^2 /NDF: 3193098.7/30

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

- sign 6510.176 $\pm$ 1.167 χ^2 /NDF: 3597633.5/31

diff_bpm16Y_mean vs Slug



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

Left Out: -2.537 ± 1.281 χ^2/NDF : 9.4/13

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

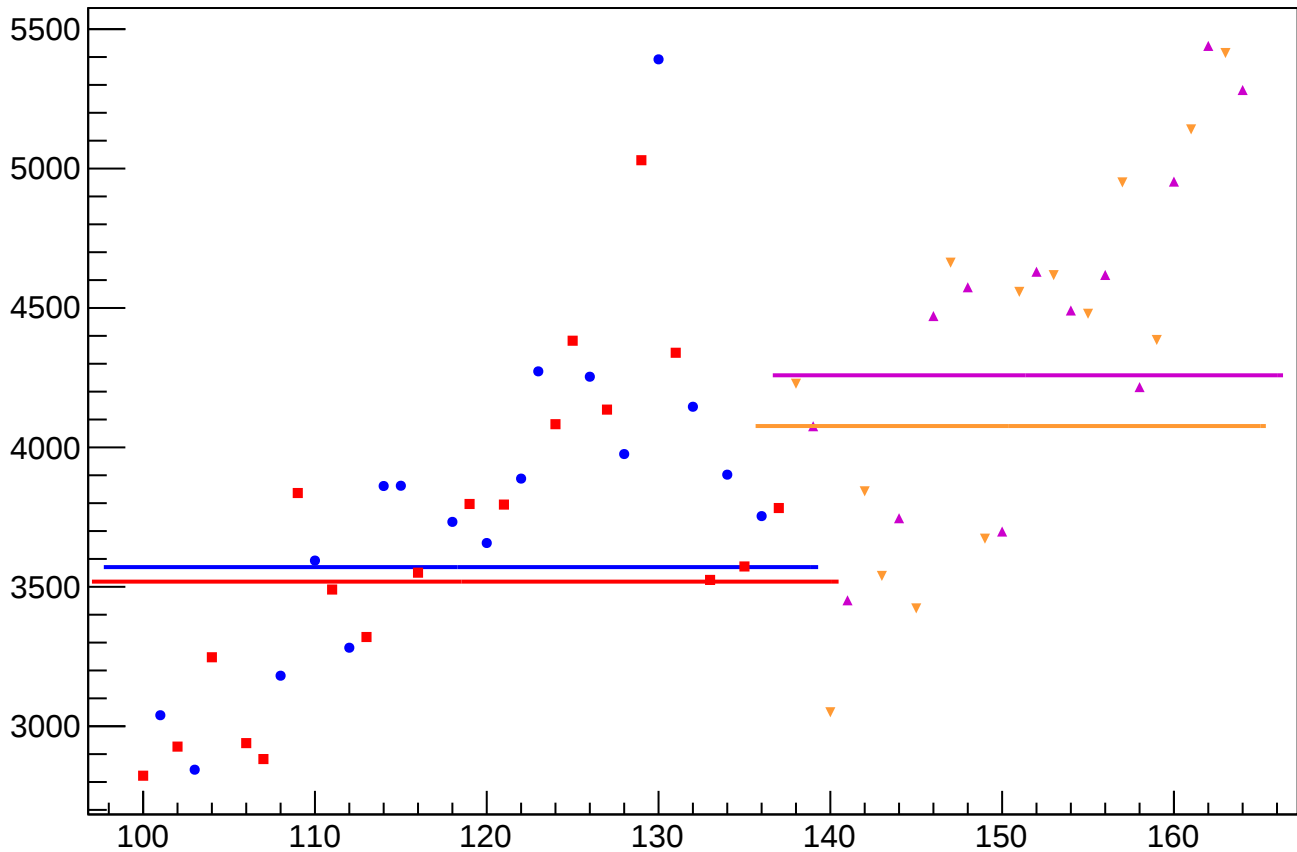
Left In: -2.615 ± 1.342 χ^2/NDF : 19.5/12

+ sign -0.854 ± 0.944 χ^2/NDF : 36.4/30

All: -1.922 ± 0.668 χ^2/NDF : 73.7/62

- sign -2.996 ± 0.946 χ^2/NDF : 34.7/31

diff_bpm16Y_rms vs Slug



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

Left Out: 4076.604 ± 0.906 χ^2/NDF : 578093.6/13

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

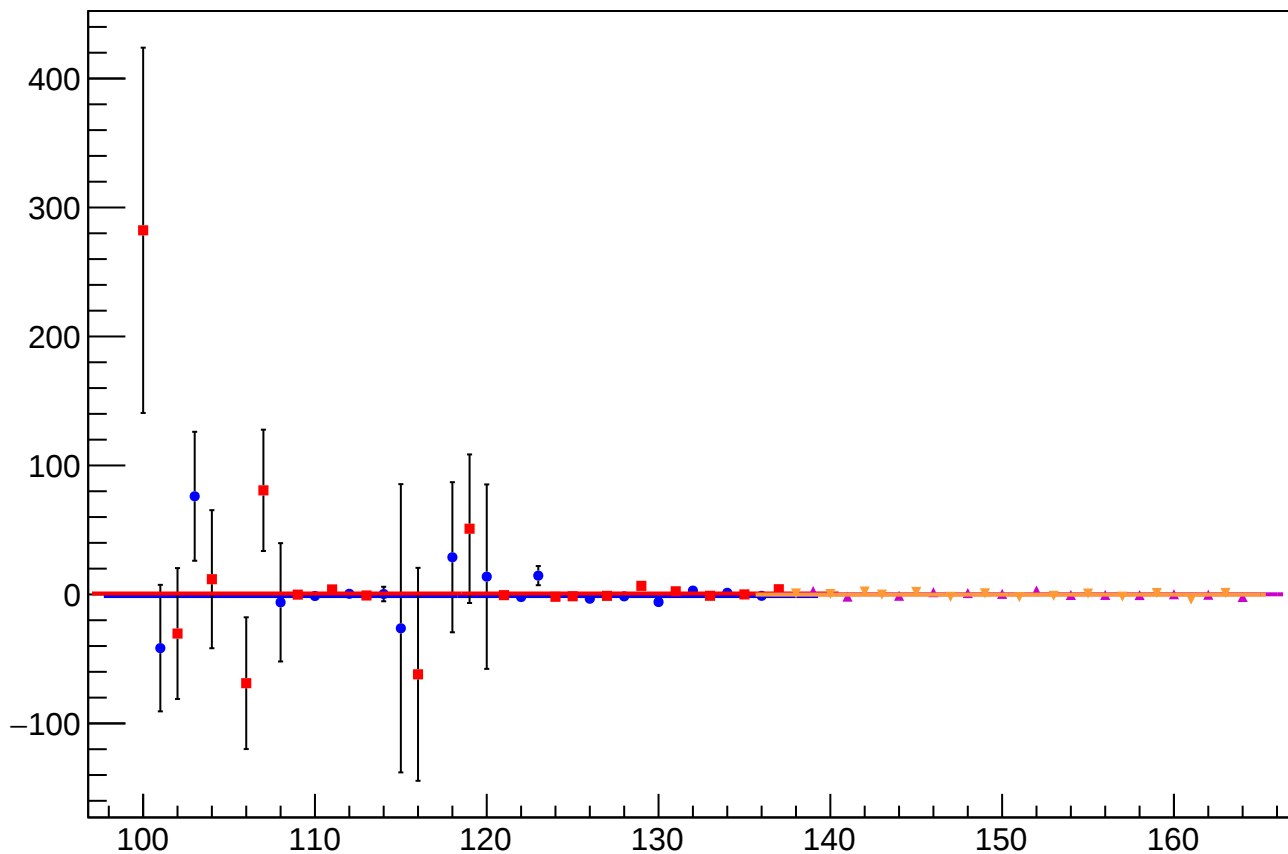
Left In: 4258.581 ± 0.949 χ^2/NDF : 348676.1/12

+ sign 3845.203 ± 0.667 χ^2/NDF : 1030338.3/30

All: 3865.561 ± 0.472 χ^2/NDF : 1980037.2/62

- sign 3886.021 ± 0.669 χ^2/NDF : 947832.4/31

diff_bpm1p02bX_mean vs Slug



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

Left Out: -0.136 ± 0.327 χ^2/NDF : 26.5/13

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

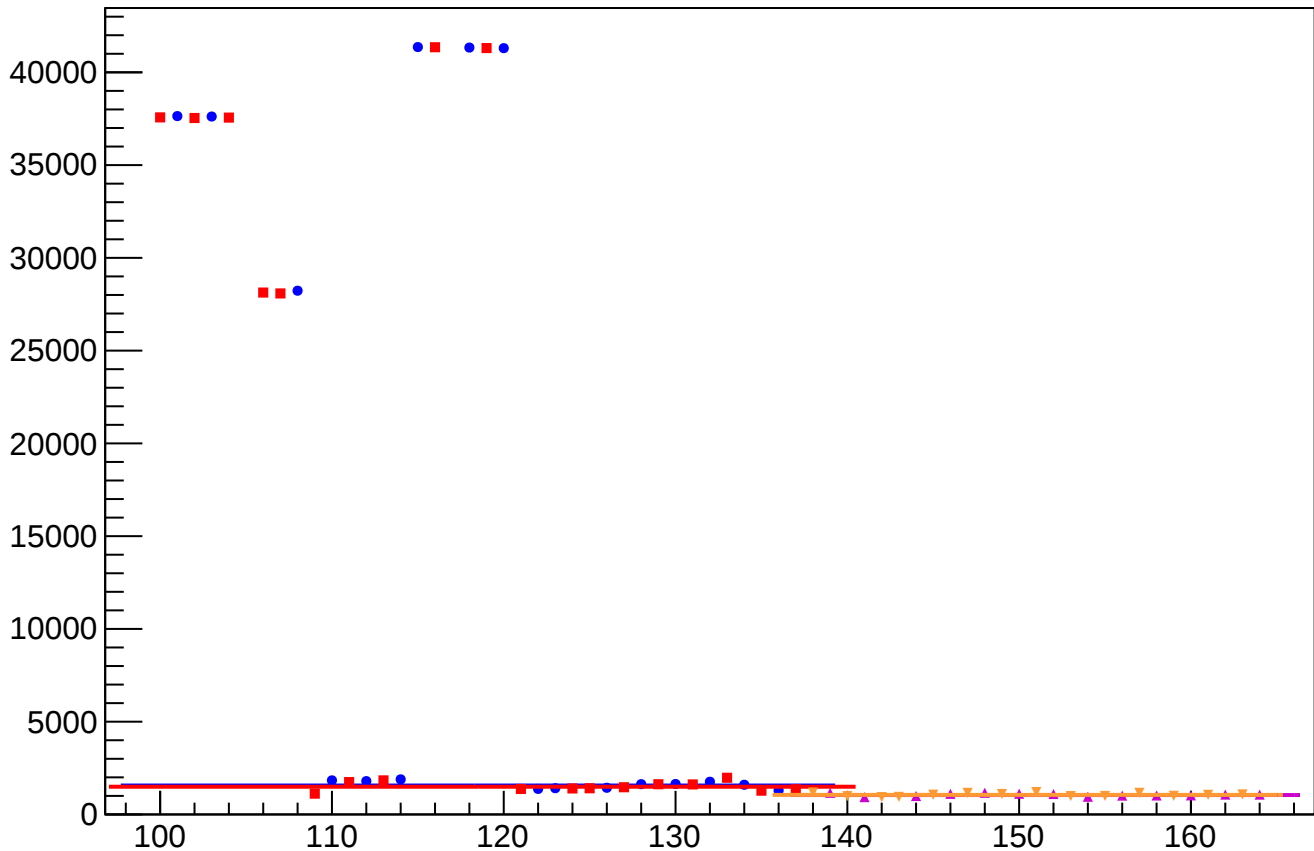
Left In: 0.103 ± 0.328 χ^2/NDF : 18.5/12

+ sign -0.317 ± 0.299 χ^2/NDF : 44.6/30

All: -0.050 ± 0.211 χ^2/NDF : 87.5/62

- sign 0.214 ± 0.297 χ^2/NDF : 41.2/31

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1055.076 $\pm$ 0.231 χ^2 /NDF: 129412.6/13

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

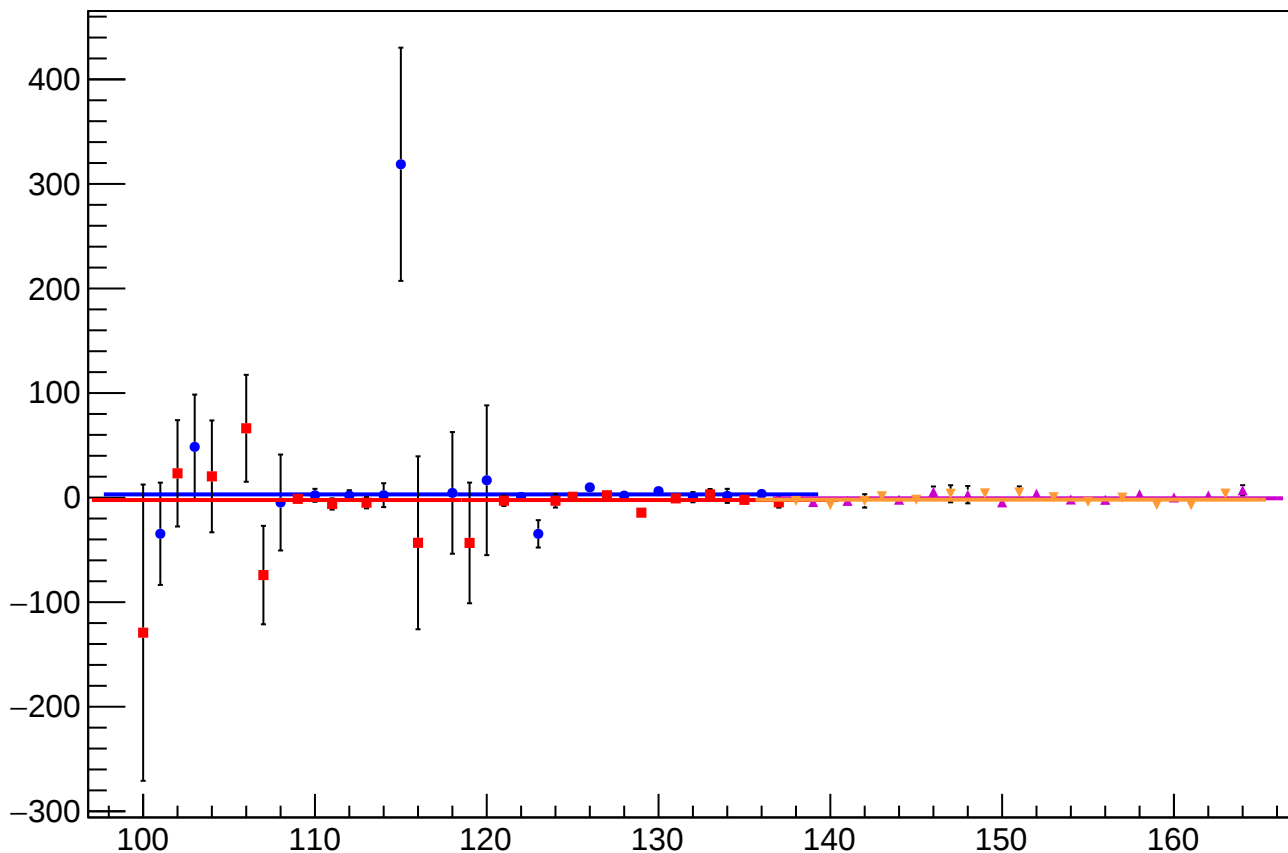
Left In: 1046.602 $\pm$ 0.232 χ^2 /NDF: 97416.7/12

+ sign 1135.893 $\pm$ 0.212 χ^2 /NDF: 5645481.5/30

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

- sign 1125.172 $\pm$ 0.210 χ^2 /NDF: 5646484.2/31

diff_bpm1p02bY_mean vs Slug



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

Left Out: -1.955 ± 1.063 χ^2/NDF : 11.8/13

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

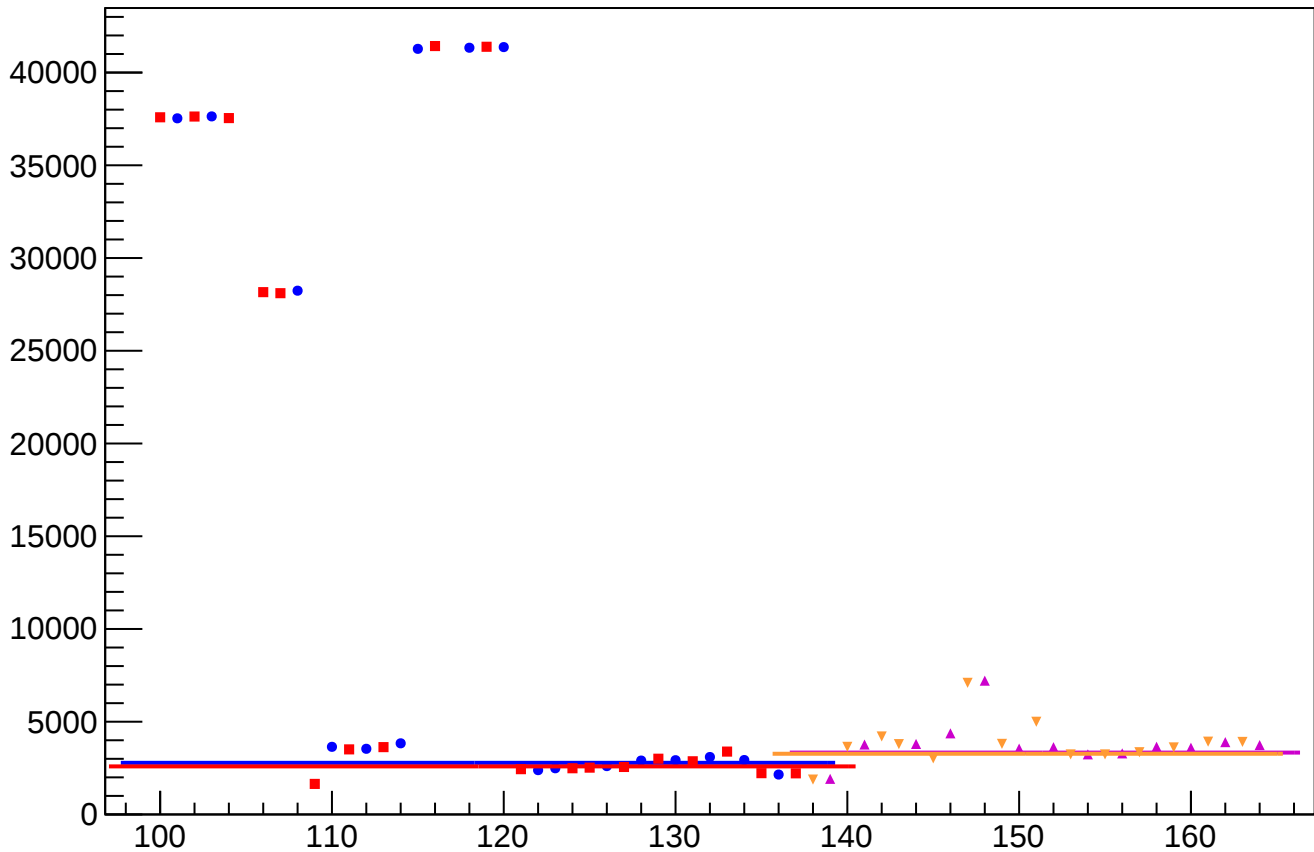
Left In: -0.663 ± 1.088 χ^2/NDF : 10.6/12

+ sign 0.017 ± 0.829 χ^2/NDF : 42.5/30

All: -0.693 ± 0.581 χ^2/NDF : 72.4/62

- sign -1.381 ± 0.816 χ^2/NDF : 28.5/31

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3272.442+/-0.751 χ^2/NDF : 1591556.6/13

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

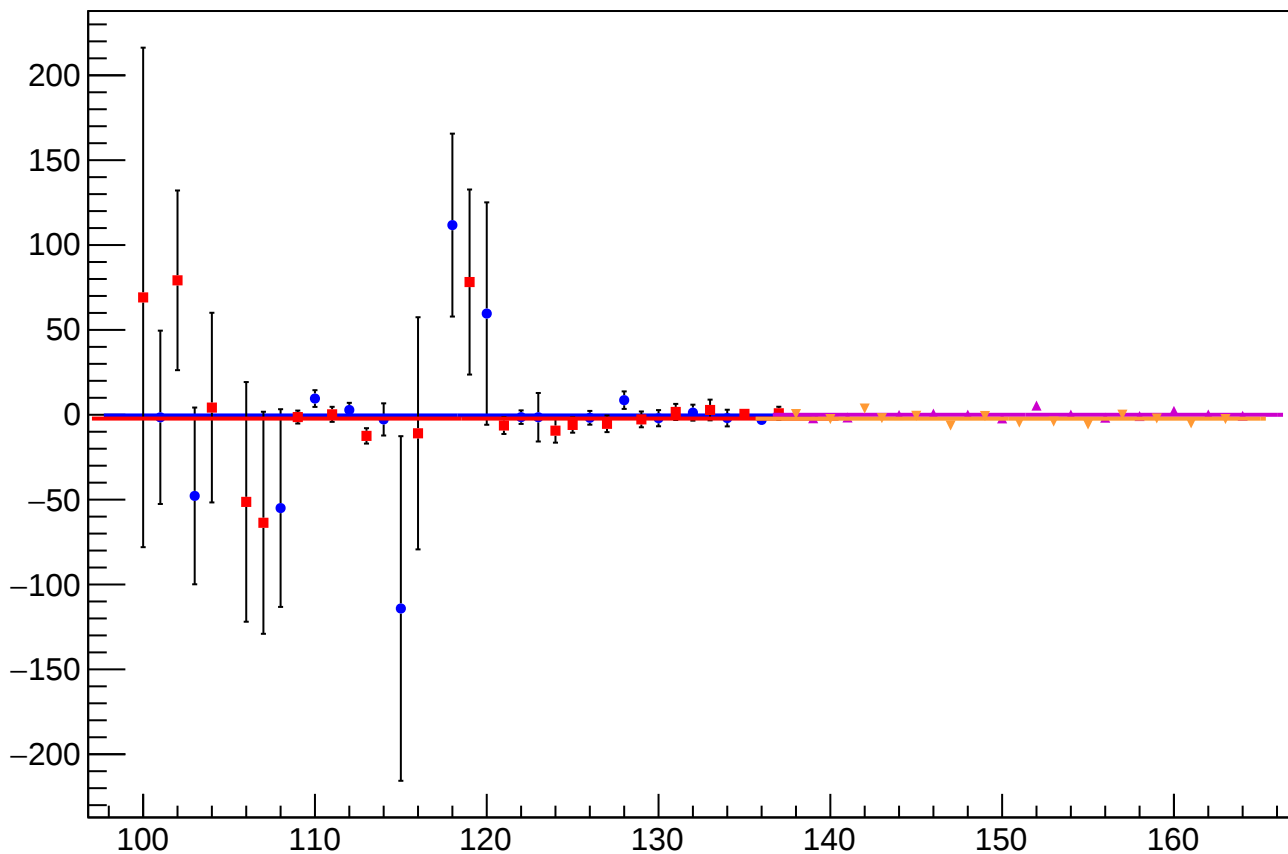
Left In: 3335.696+/-0.769 χ^2/NDF : 1370148.2/12

+ sign 3080.919+/-0.586 χ^2/NDF : 6334650.1/30

All: 3045.090+/-0.411 χ^2/NDF : 12968434.8/6

- sign 3010.331+/-0.577 χ^2/NDF : 6626417.0/31

diff_bpm1p03aX_mean vs Slug



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

Left Out: -2.307 ± 0.512 χ^2/NDF : 23.2/13

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

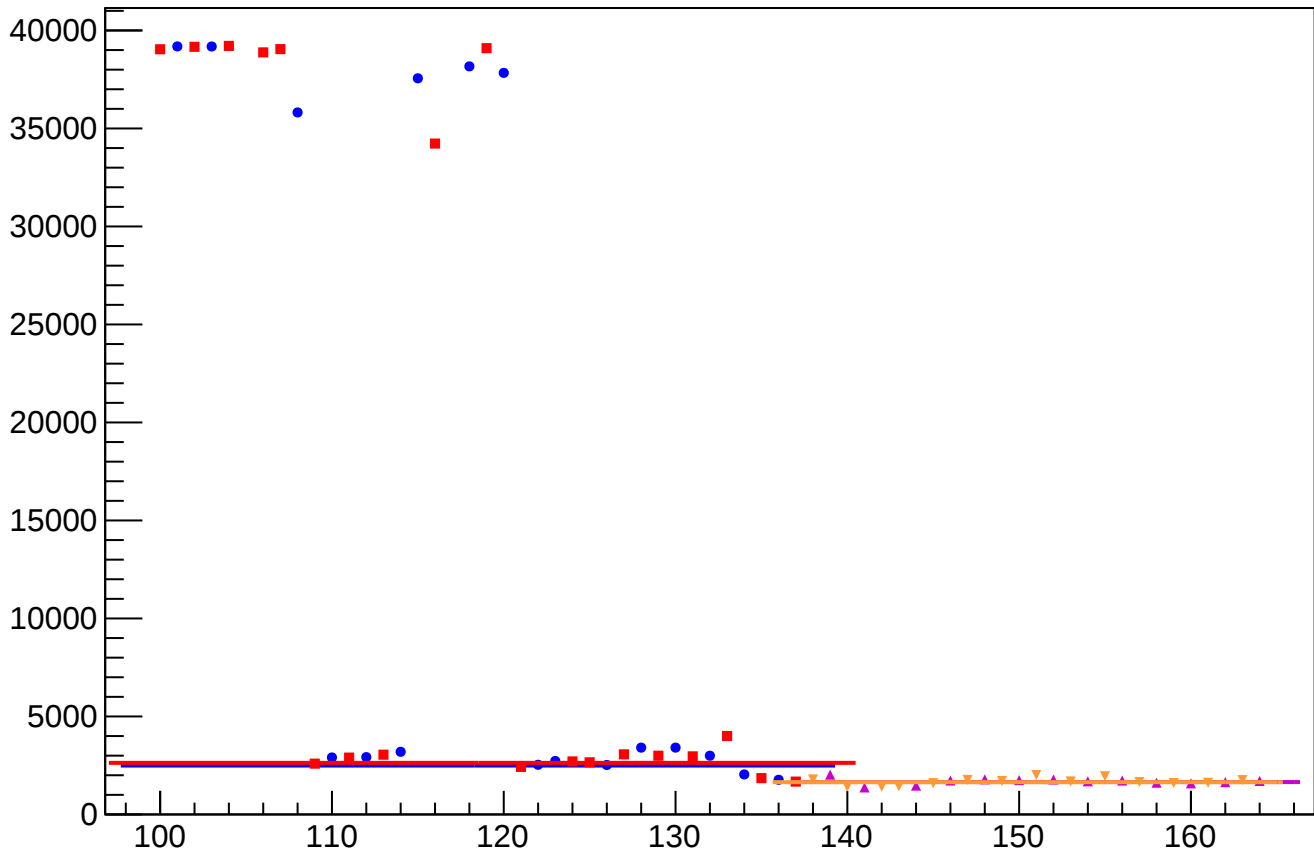
Left In: -0.012 ± 0.518 χ^2/NDF : 13.4/12

+ sign -2.021 ± 0.472 χ^2/NDF : 43.5/30

All: -1.194 ± 0.336 χ^2/NDF : 83.4/62

- sign -0.342 ± 0.479 χ^2/NDF : 33.6/31

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1647.643 $\pm$ 0.362 χ^2 /NDF: 209039.3/13

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

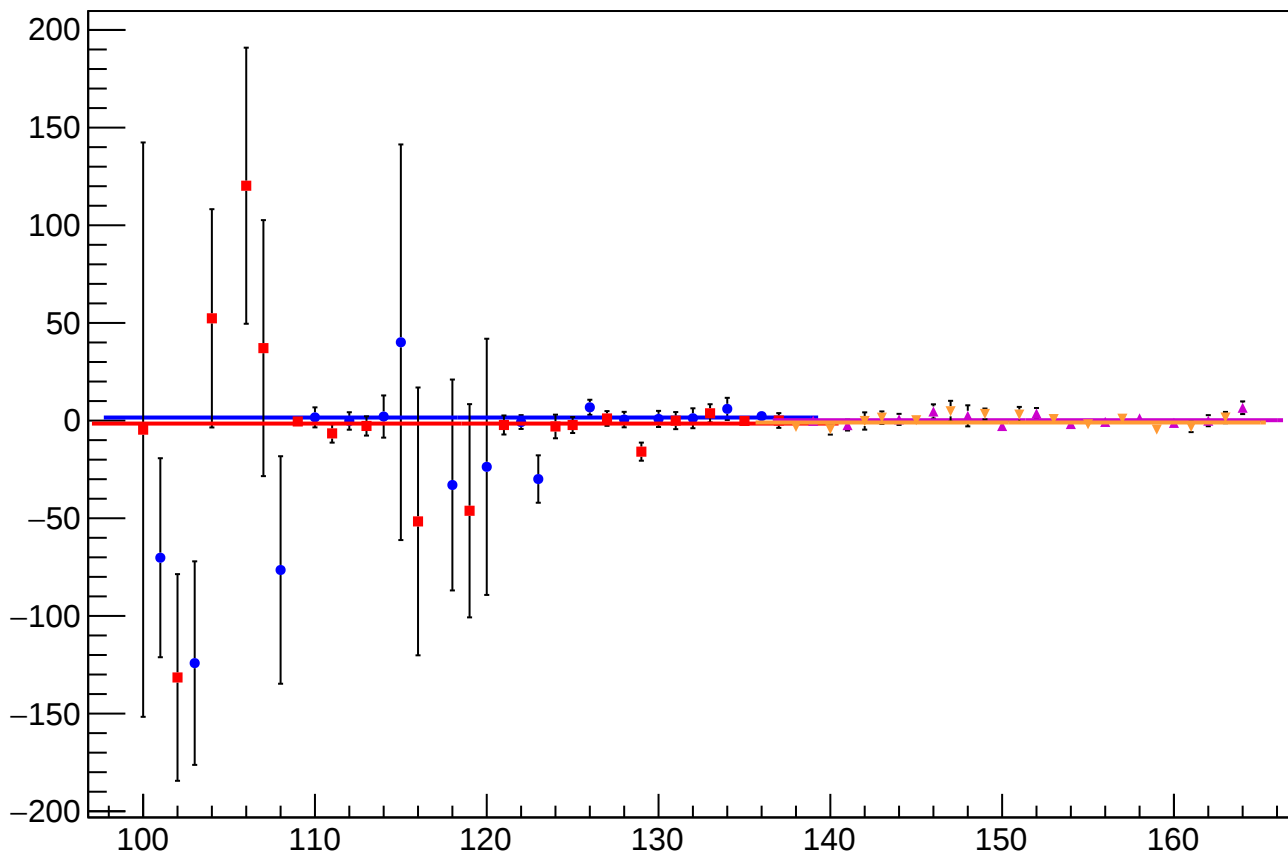
Left In: 1653.457 $\pm$ 0.367 χ^2 /NDF: 174220.2/12

+ sign 1774.881 $\pm$ 0.334 χ^2 /NDF: 5915512.5/30

All: 1786.306 $\pm$ 0.238 χ^2 /NDF: 12006910.8/6

- sign 1798.069 $\pm$ 0.338 χ^2 /NDF: 6089017.3/31

diff_bpm1p03aY_mean vs Slug



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

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

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

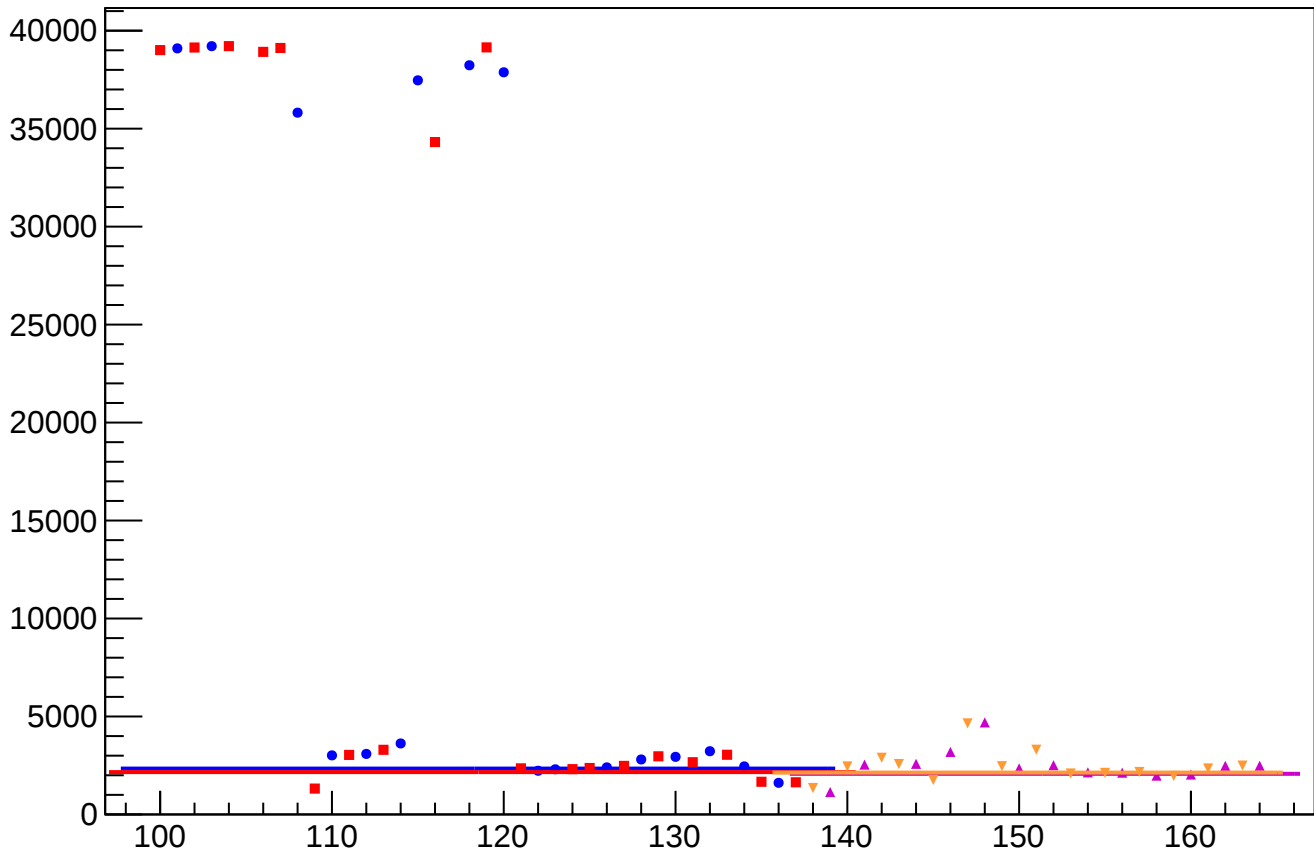
Left In: 0.203 ± 0.685 χ^2/NDF : 10.6/12

+ sign -0.281 ± 0.594 χ^2/NDF : 38.5/30

All: -0.293 ± 0.413 χ^2/NDF : 76.0/62

- sign -0.304 ± 0.576 χ^2/NDF : 37.5/31

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2137.562+/-0.491 χ^2/NDF : 1312960.1/13

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

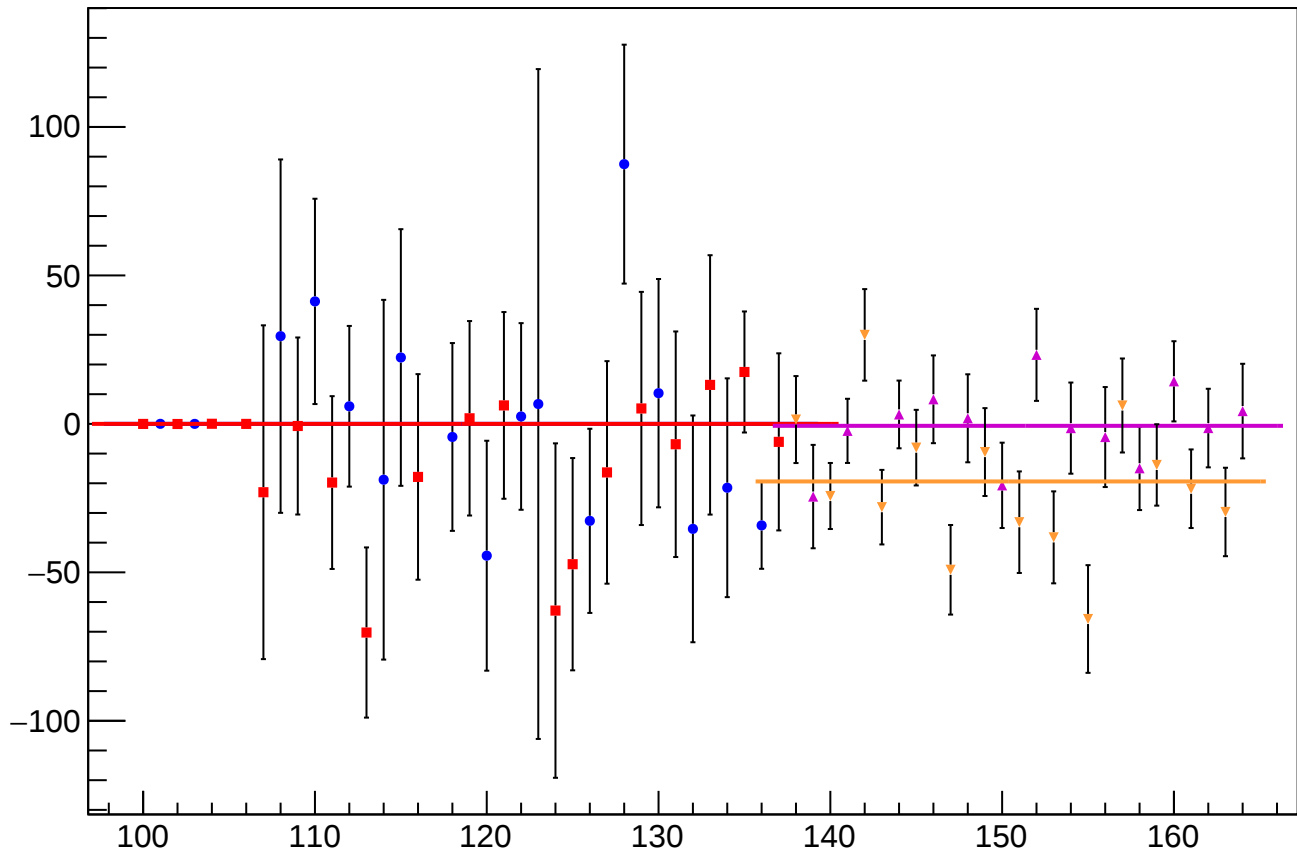
Left In: 2074.327+/-0.484 χ^2/NDF : 1828239.1/12

+ sign 2192.519+/-0.420 χ^2/NDF : 6366140.8/30

All: 2144.732+/-0.292 χ^2/NDF : 13527988.8/6

- sign 2099.833+/-0.407 χ^2/NDF : 7136730.2/31

diff_cav4bX_mean vs Slug



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

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

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

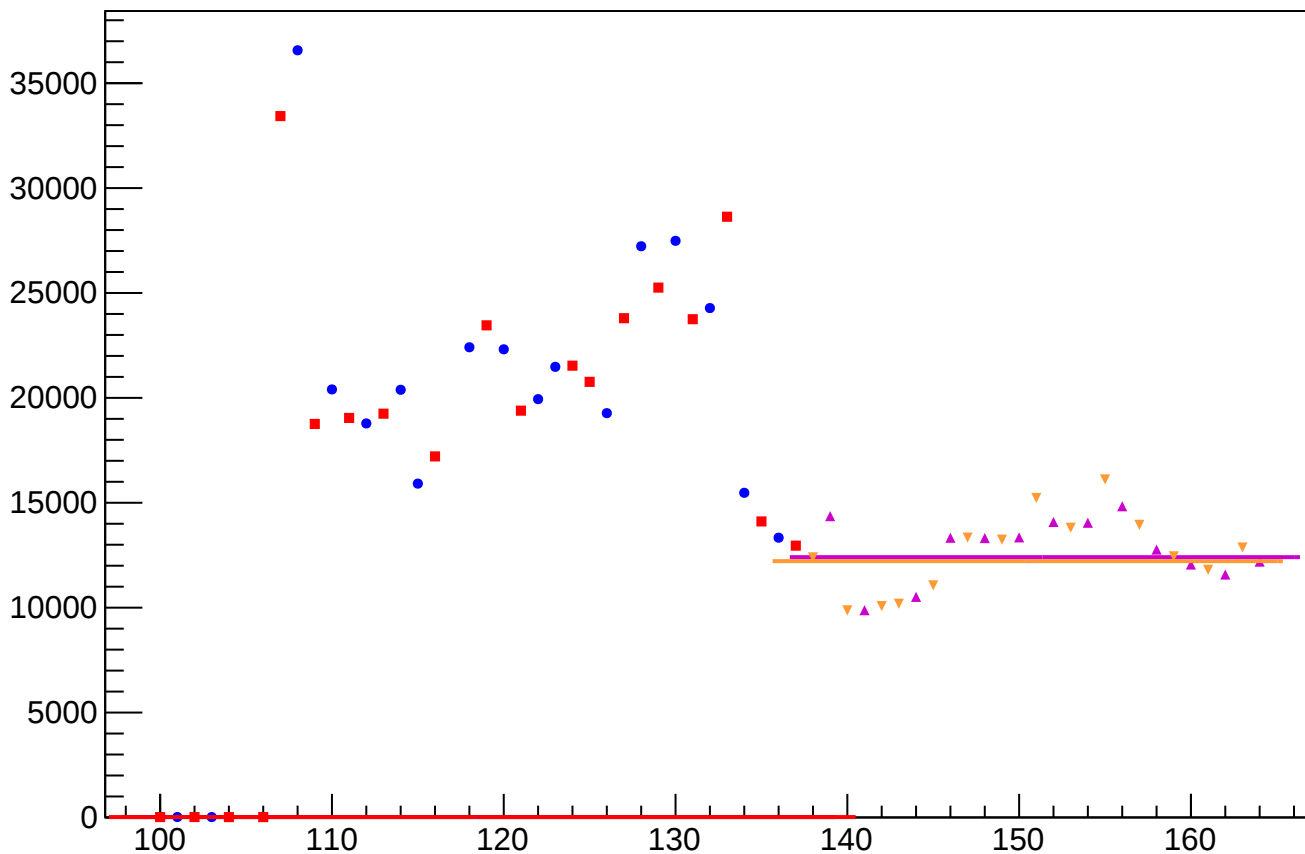
Left In: -0.654 ± 3.903 $\chi^2/\text{NDF}: 9.1/12$

+ sign 0.013 ± 0.017 $\chi^2/\text{NDF}: 72.0/30$

All: 0.008 ± 0.012 $\chi^2/\text{NDF}: 97.2/62$

- sign 0.003 ± 0.016 $\chi^2/\text{NDF}: 25.1/31$

diff_cav4bX_rms vs Slug



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

Left Out: 12217.066 $\pm$ 2.700 χ^2 /NDF: 422851.3/13

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

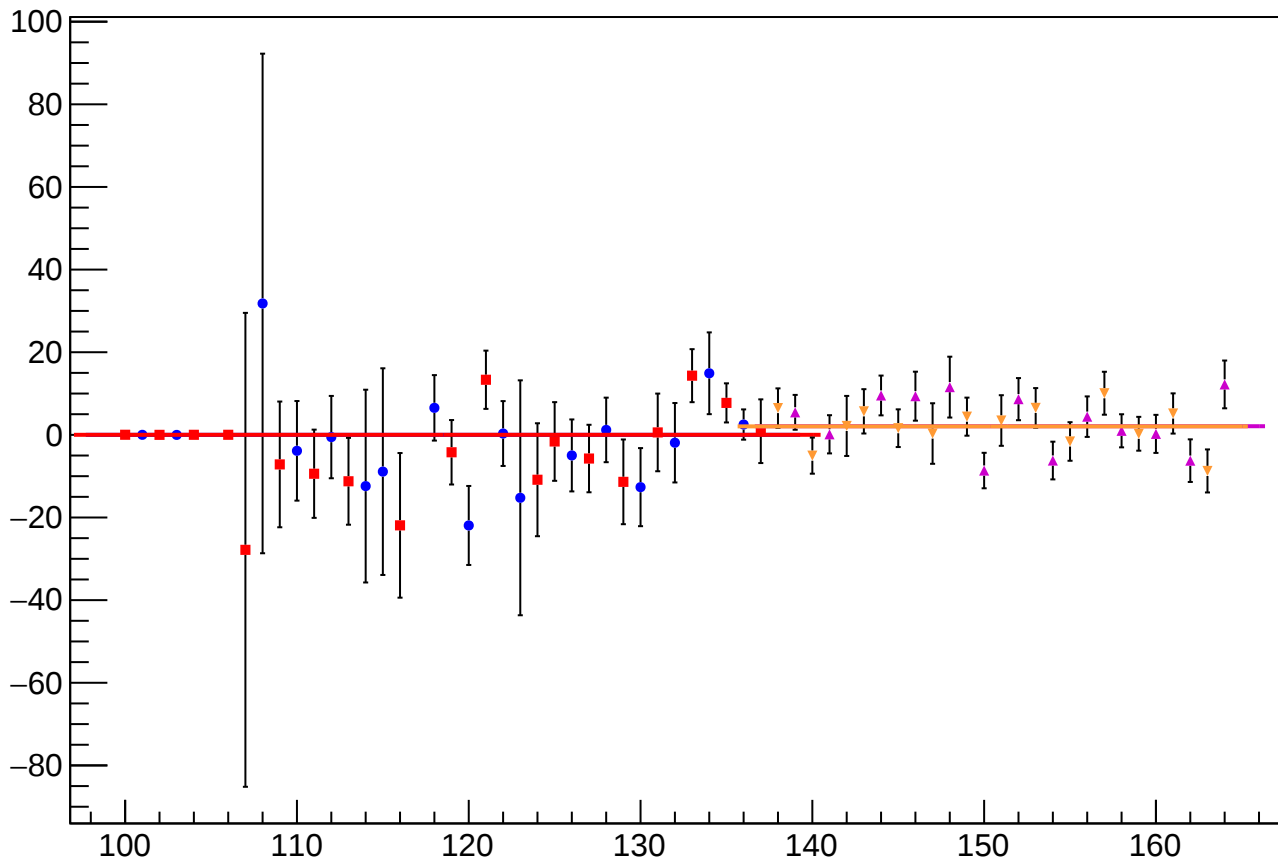
Left In: 12407.699 $\pm$ 2.760 χ^2 /NDF: 312276.8/12

+ sign 18.893 $\pm$ 0.012 χ^2 /NDF: 31815679.7/30

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

- sign 18.521 $\pm$ 0.011 χ^2 /NDF: 31572451.5/31

diff_cav4bY_mean vs Slug



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

Left Out: 2.055 $\pm$ 1.341 χ^2 /NDF:13.1/13

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

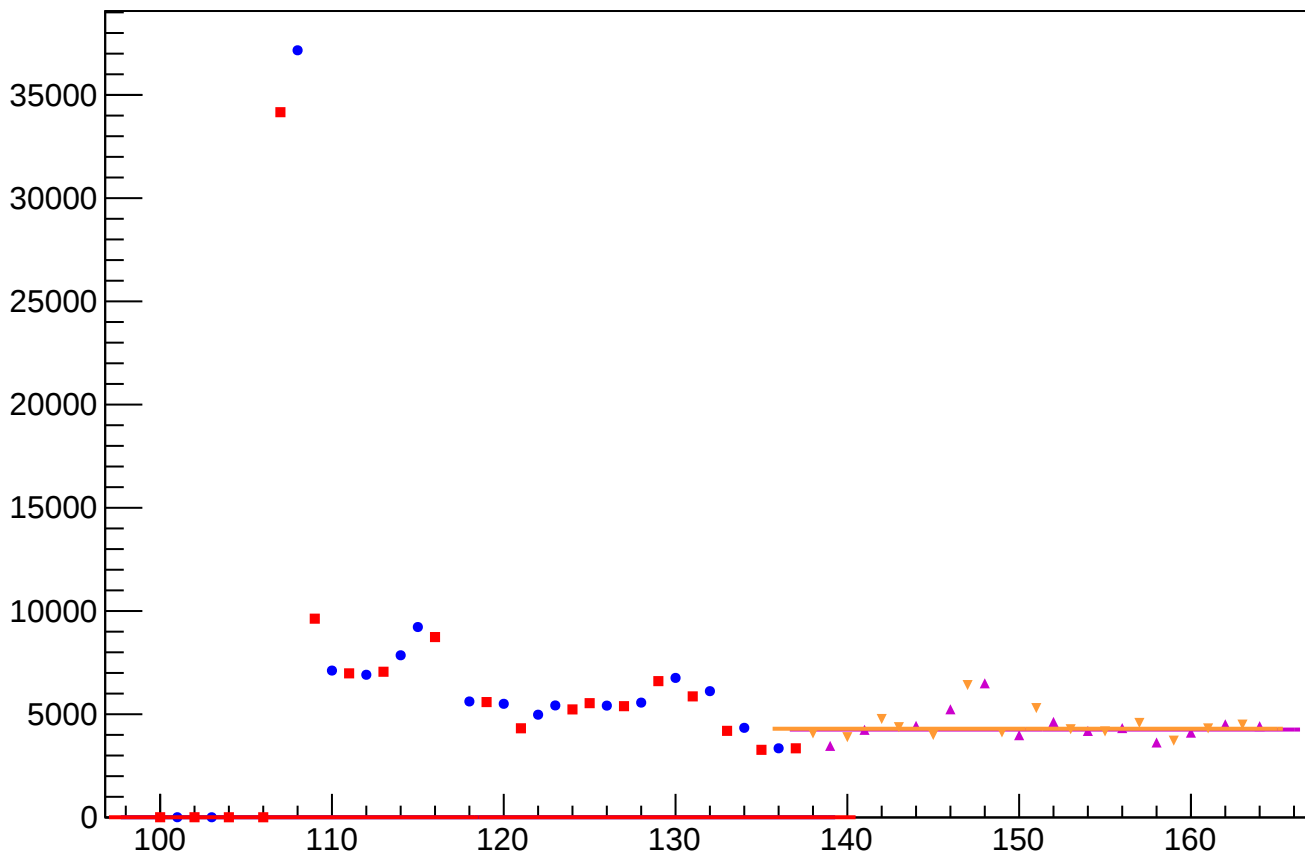
Left In: 2.093 $\pm$ 1.345 χ^2 /NDF:23.7/12

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 28.5/30

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 74.3/62

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 44.7/31

diff_cav4bY_rms vs Slug



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

Left Out: 4297.910+/-0.949 χ^2/NDF :312916.8/13

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

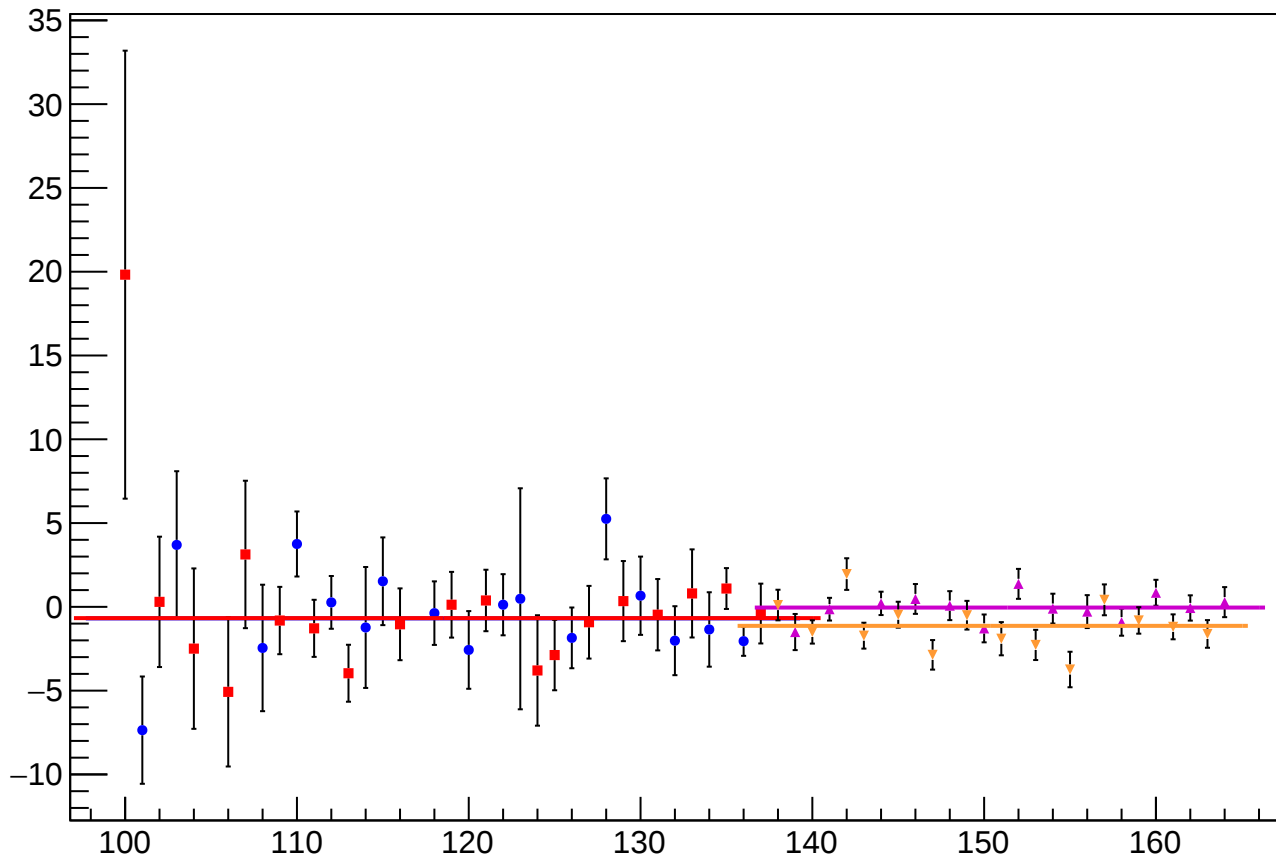
Left In: 4257.576+/-0.951 χ^2/NDF :389857.7/12

+ sign 10.141+/-0.007 χ^2/NDF : 31862791.8/30

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

- sign 10.030+/-0.006 χ^2/NDF : 31486683.9/31

diff_cav4cX_mean vs Slug



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

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

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

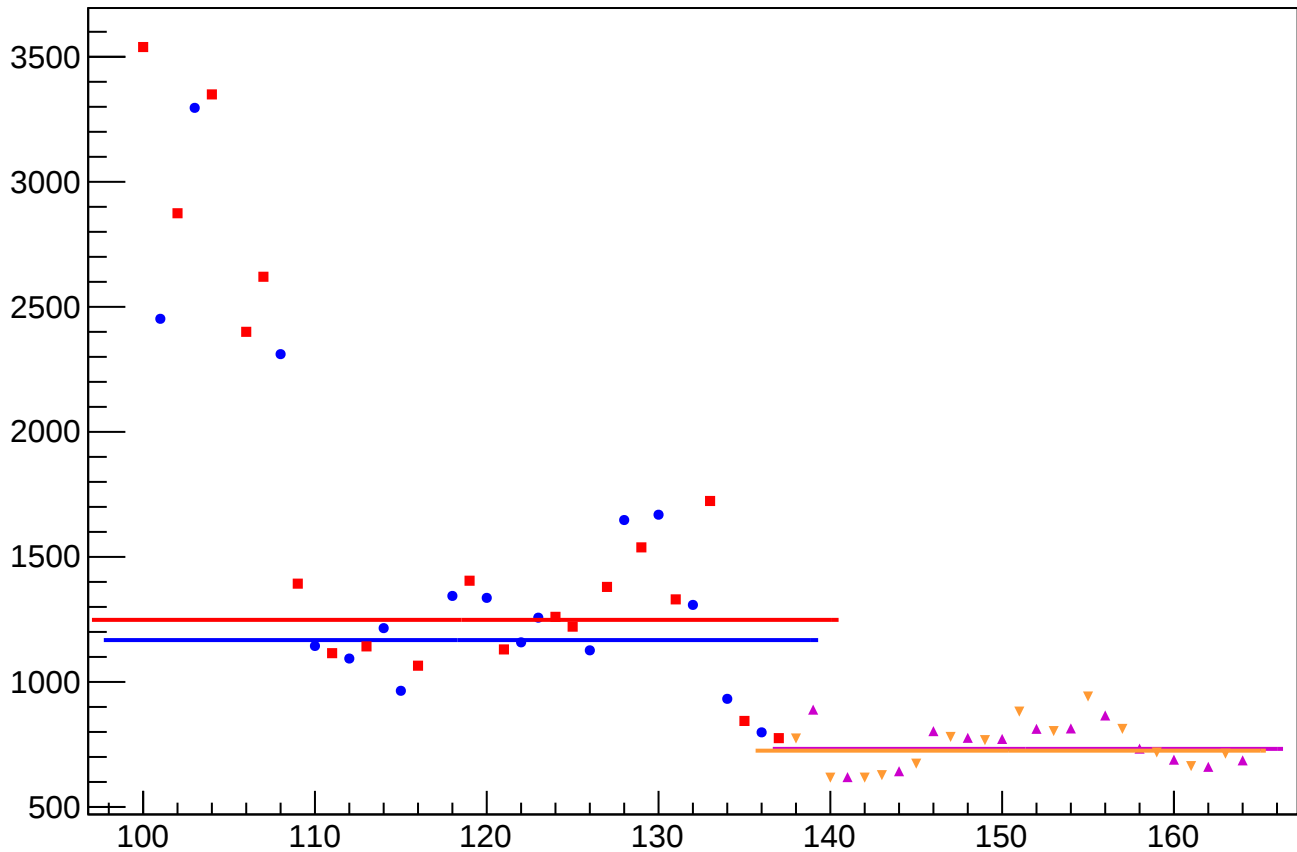
Left In: -0.042 ± 0.230 χ^2/NDF : 9.8/12

+ sign -1.054 ± 0.205 χ^2/NDF : 53.4/30

All: -0.612 ± 0.146 χ^2/NDF : 87.2/62

- sign -0.152 ± 0.209 χ^2/NDF : 24.4/31

diff_cav4cX_rms vs Slug



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

Left Out: 725.201 $\pm$ 0.160 χ^2 /NDF: 314455.3/13

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

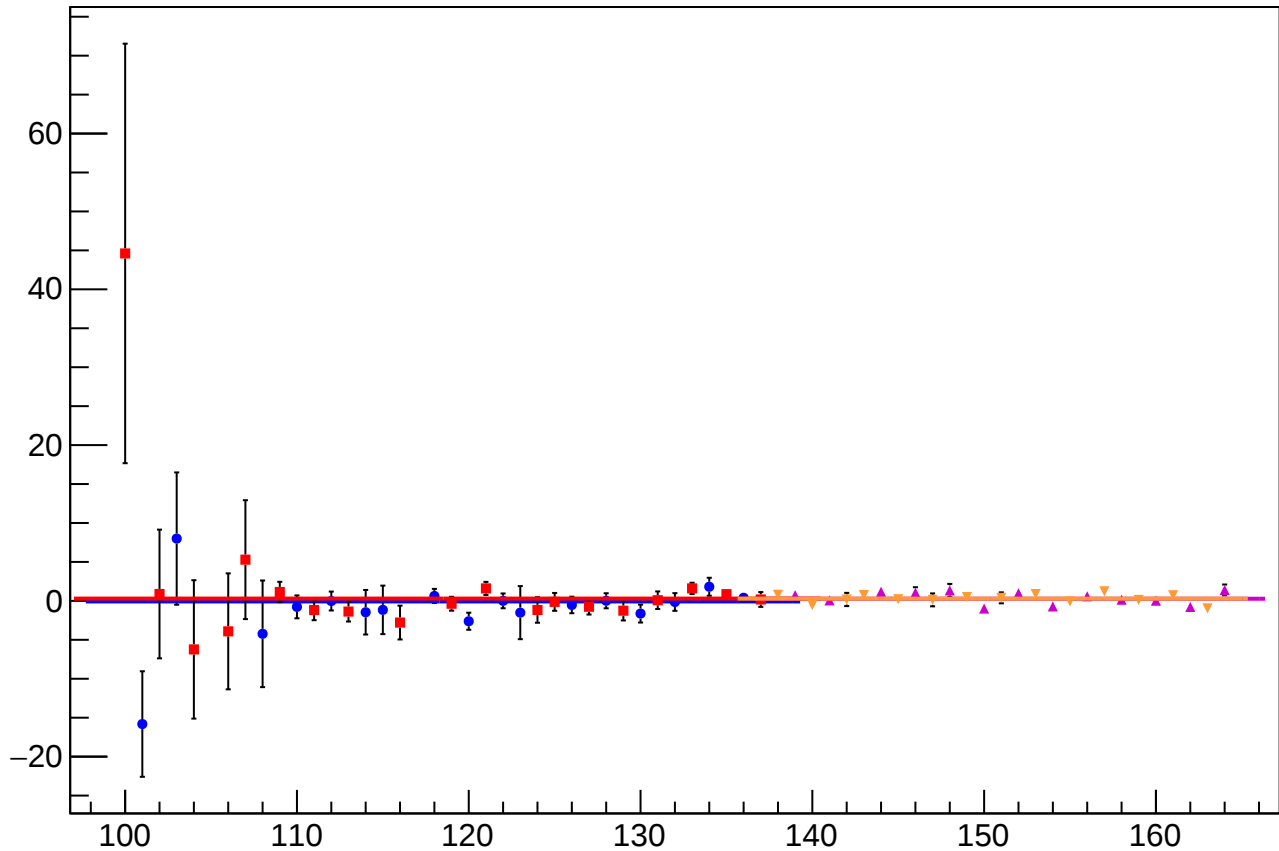
Left In: 732.326 $\pm$ 0.163 χ^2 /NDF: 252908.0/12

+ sign 804.806 $\pm$ 0.145 χ^2 /NDF: 3271507.4/30

All: 813.320 $\pm$ 0.103 χ^2 /NDF: 6939162.6/62

- sign 822.201 $\pm$ 0.148 χ^2 /NDF: 3660580.6/31

diff_cav4cY_mean vs Slug



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

Left Out: 0.287 ± 0.161 χ^2/NDF : 12.3/13

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

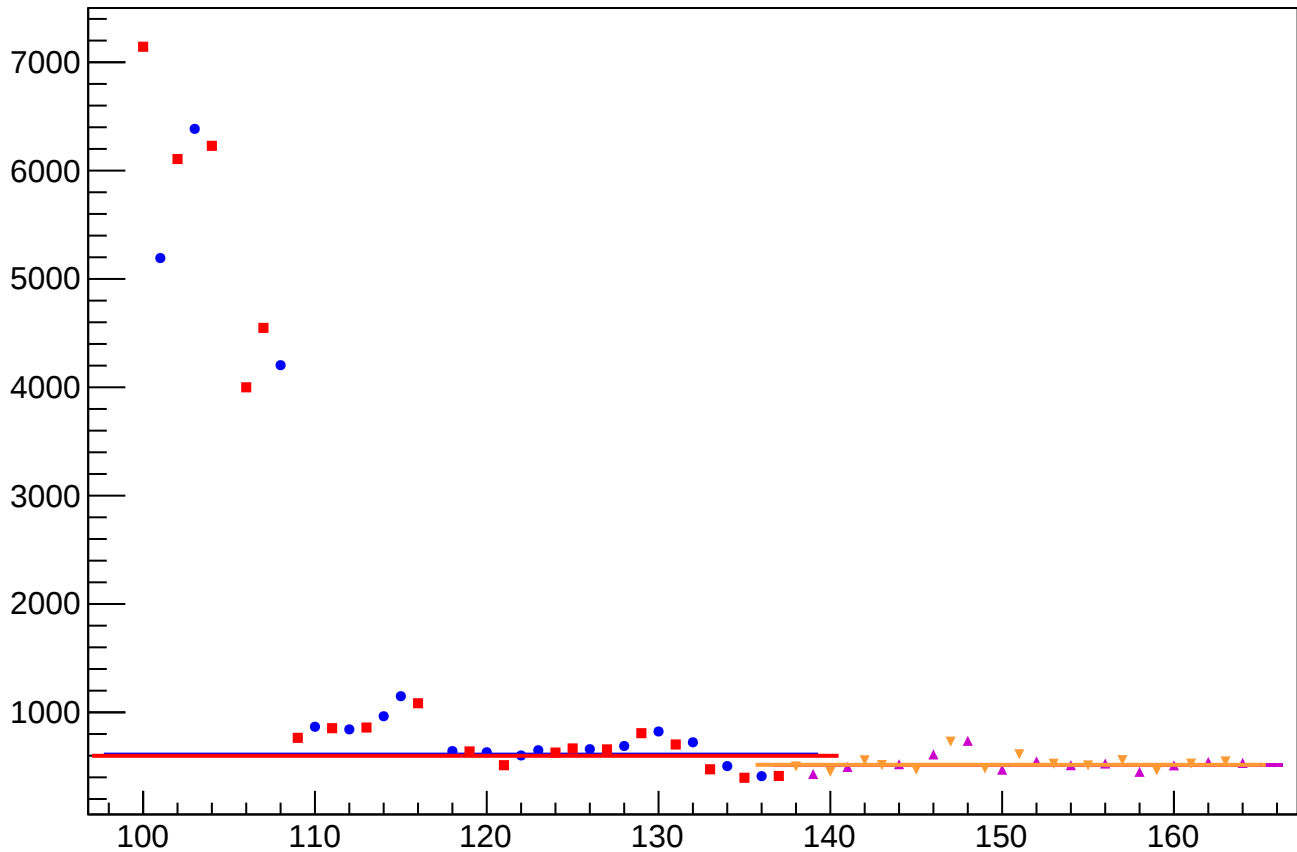
Left In: 0.274 ± 0.162 χ^2/NDF : 23.1/12

+ sign 0.193 ± 0.138 χ^2/NDF : 32.8/30

All: 0.236 ± 0.098 χ^2/NDF : 76.4/62

- sign 0.279 ± 0.138 χ^2/NDF : 43.4/31

diff_cav4cY_rms vs Slug



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

Left Out: 515.716 $\pm$ 0.114 χ^2 /NDF: 267989.6/13

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

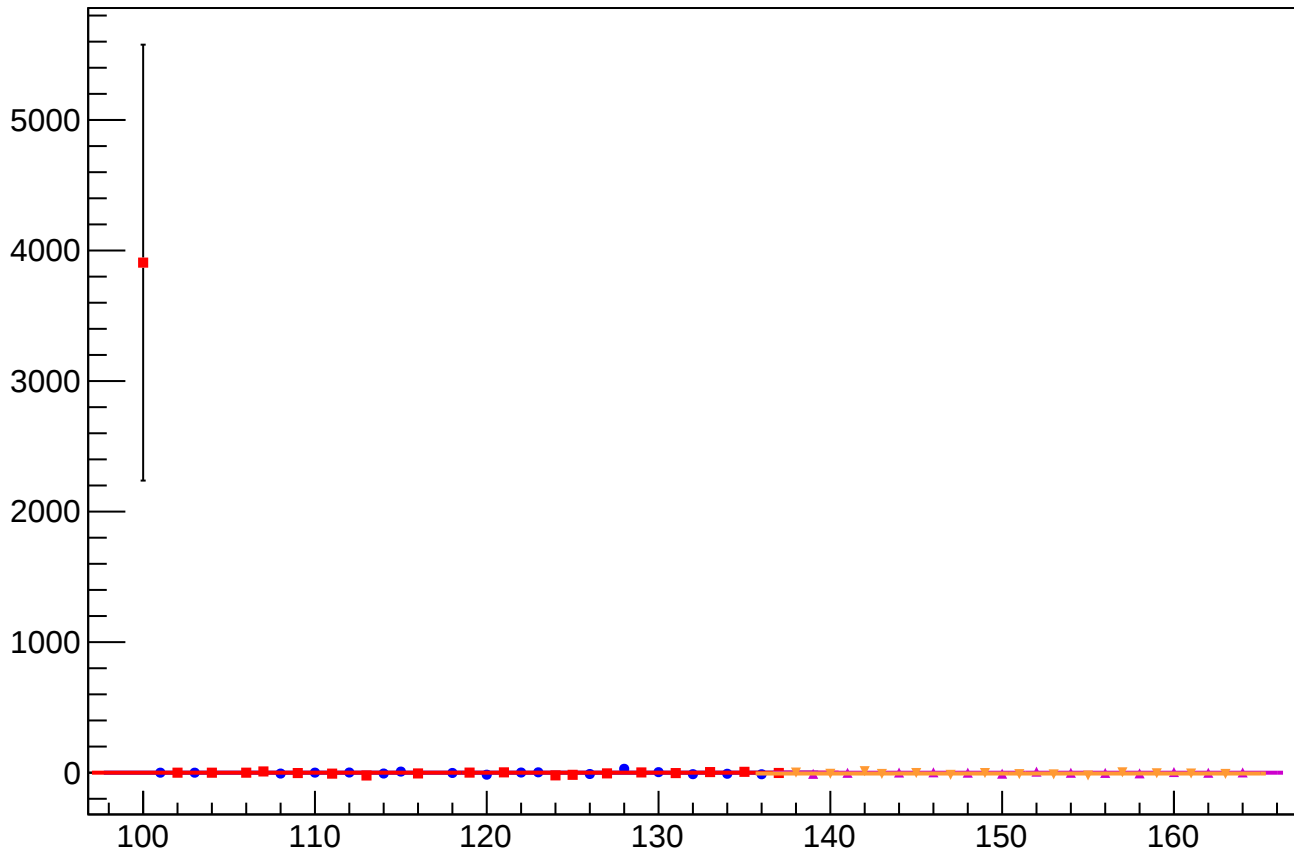
Left In: 513.875 $\pm$ 0.115 χ^2 /NDF: 295510.1/12

+ sign 540.507 $\pm$ 0.097 χ^2 /NDF: 3584631.3/30

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

- sign 537.162 $\pm$ 0.098 χ^2 /NDF: 3999130.1/31

diff_cav4dX_mean vs Slug



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

Left Out: -6.541 ± 1.316 χ^2/NDF : 30.2/13

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

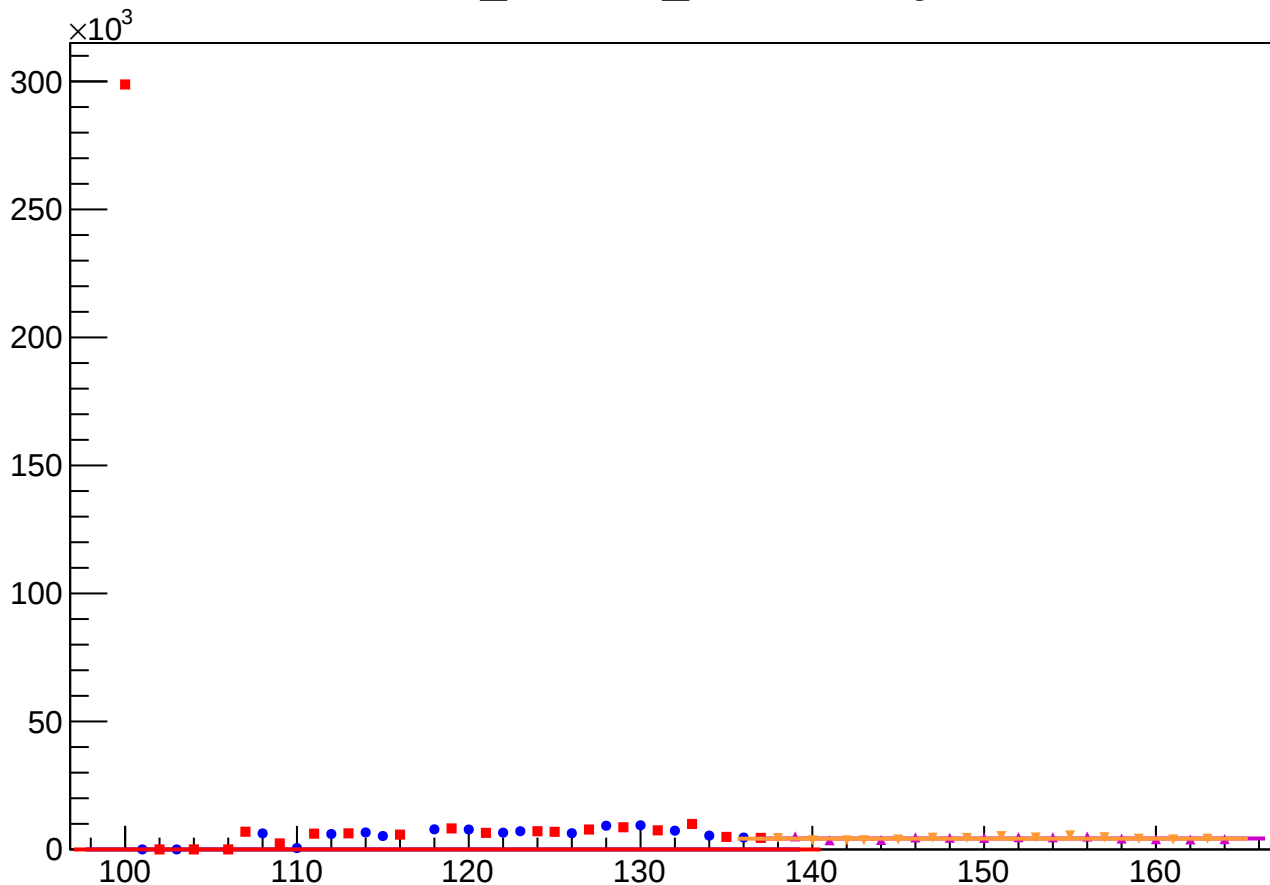
Left In: -0.198 ± 1.343 χ^2/NDF : 9.7/12

+ sign -0.023 ± 0.021 χ^2/NDF : 70.4/30

All: -0.025 ± 0.014 χ^2/NDF : 98.0/62

- sign -0.027 ± 0.020 χ^2/NDF : 27.6/31

diff_cav4dX_rms vs Slug



Right In: 17.341 ± 0.015 χ^2/NDF : 10501445.0/16

Left Out: 4221.466 ± 0.931 χ^2/NDF : 333426.9/13

Right Out: 17.269 ± 0.014 χ^2/NDF : 10820611.7/18

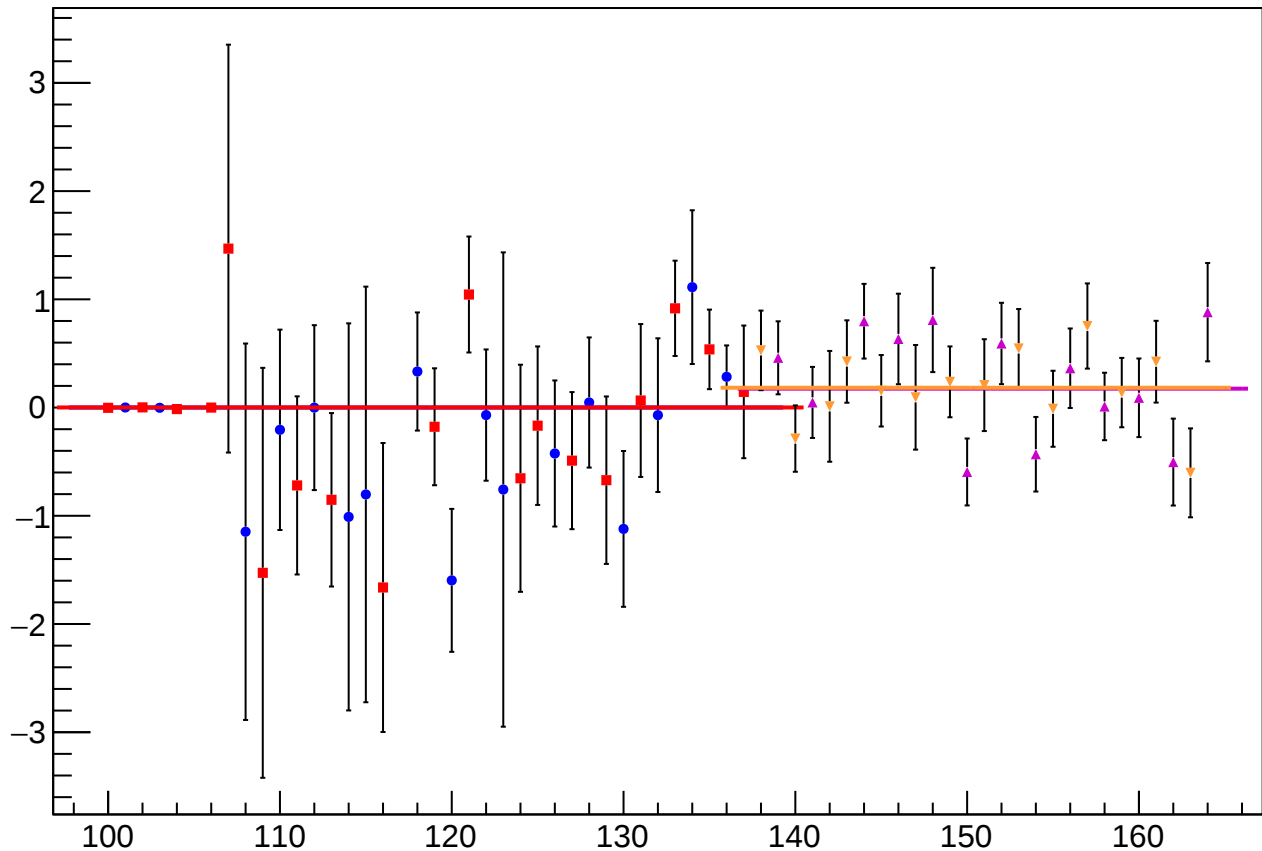
Left In: 4276.556 ± 0.950 χ^2/NDF : 256885.7/12

+ sign 18.390 ± 0.015 χ^2/NDF : 31237844.9/30

All: 18.286 ± 0.010 χ^2/NDF : 62426410.3/62

- sign 18.192 ± 0.014 χ^2/NDF : 31188470.3/31

diff_cav4dY_mean vs Slug



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

Left Out: 0.183 ± 0.099 χ^2/NDF : 11.3/13

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

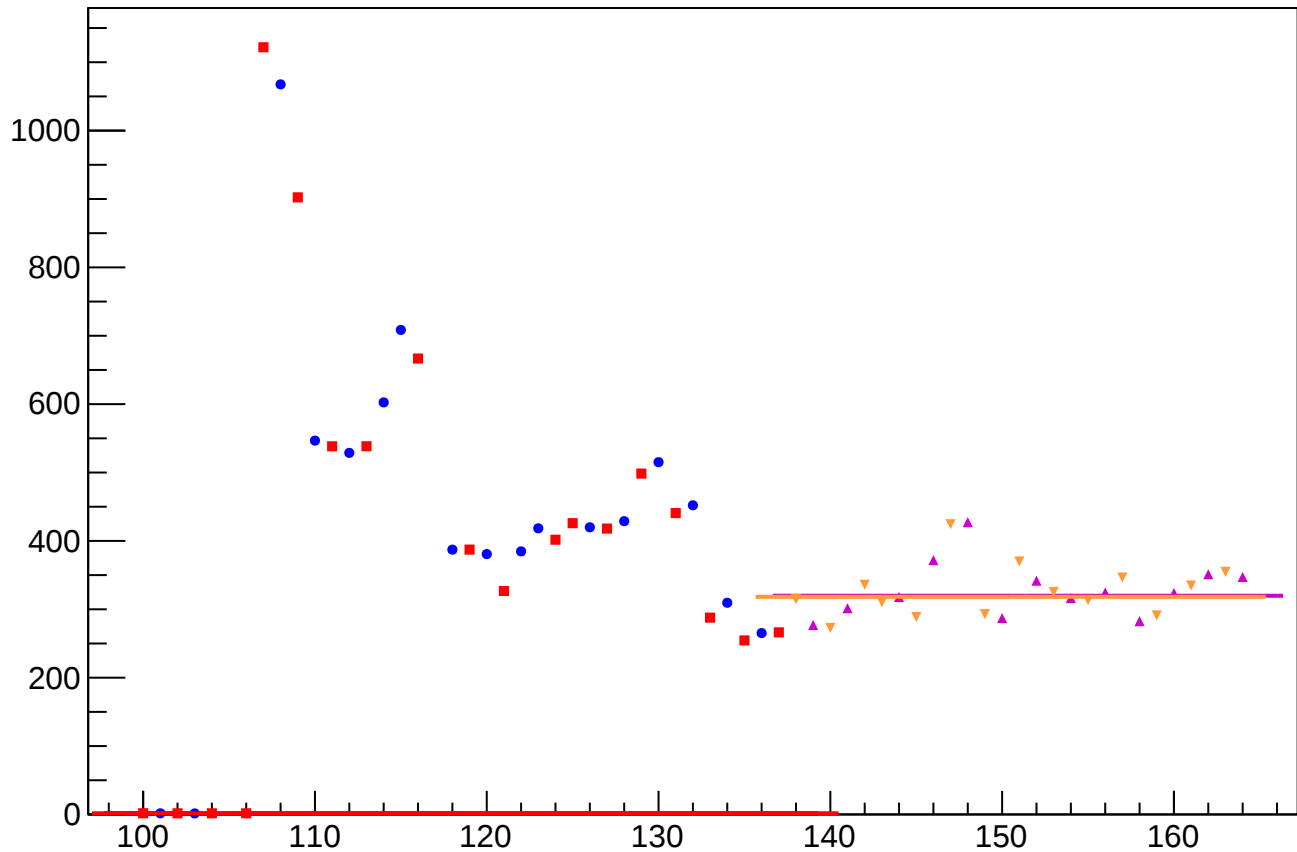
Left In: 0.175 ± 0.101 χ^2/NDF : 23.5/12

+ sign 0.000 ± 0.002 χ^2/NDF : 28.5/30

All: 0.001 ± 0.001 χ^2/NDF : 72.9/62

- sign 0.001 ± 0.002 χ^2/NDF : 44.3/31

diff_cav4dY_rms vs Slug



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

Left Out: 318.266 $\pm$ 0.070 χ^2 /NDF: 247046.9/13

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

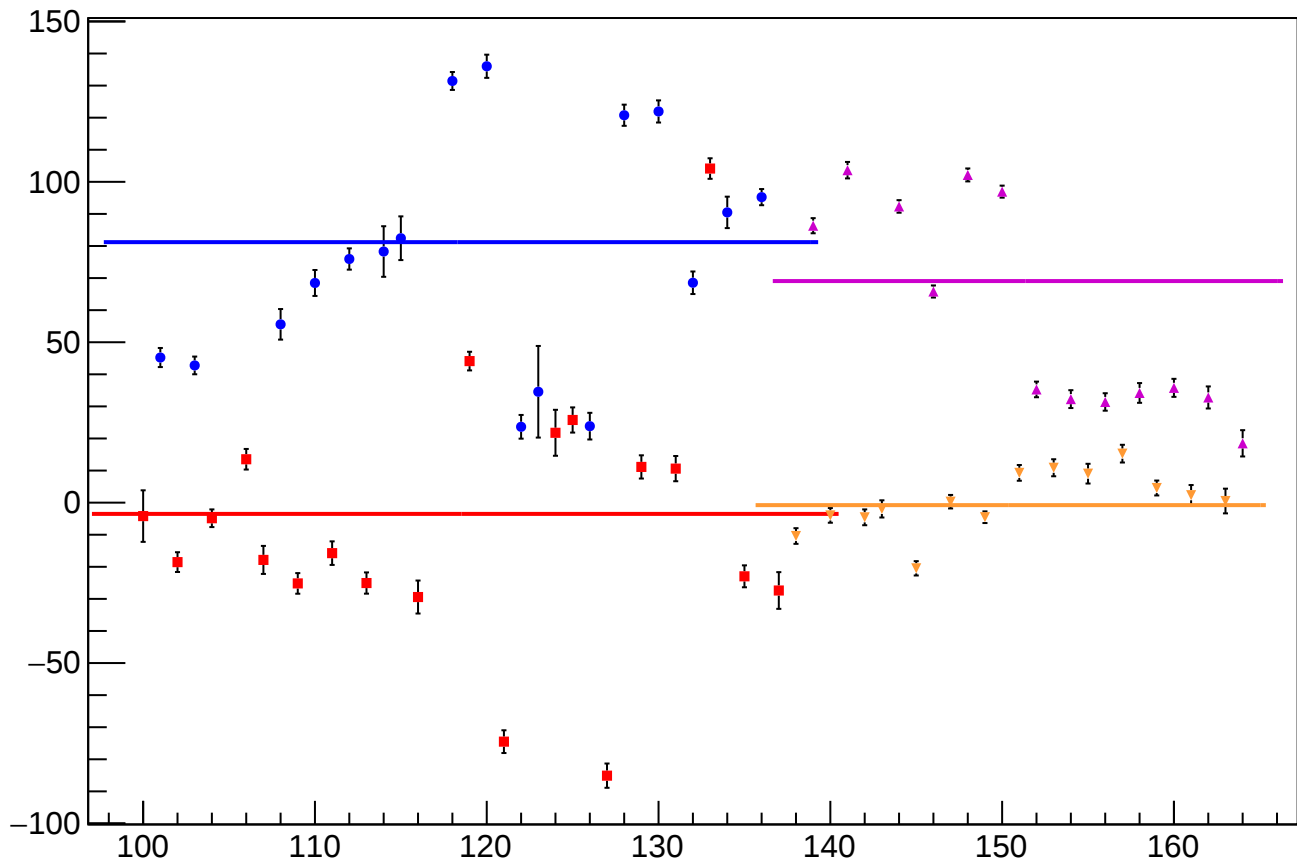
Left In: 319.819 $\pm$ 0.071 χ^2 /NDF: 246839.5/12

+ sign 1.831 $\pm$ 0.001 χ^2 /NDF: 31702701.4/30

All: 1.839 $\pm$ 0.001 χ^2 /NDF: 62672959.5/62

- sign 1.846 $\pm$ 0.001 χ^2 /NDF: 30970200.0/31

diff_bpm0i01X_mean vs Slug



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

Left Out: -0.775 $\pm$ 0.661 χ^2 /NDF: 188.6/13

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

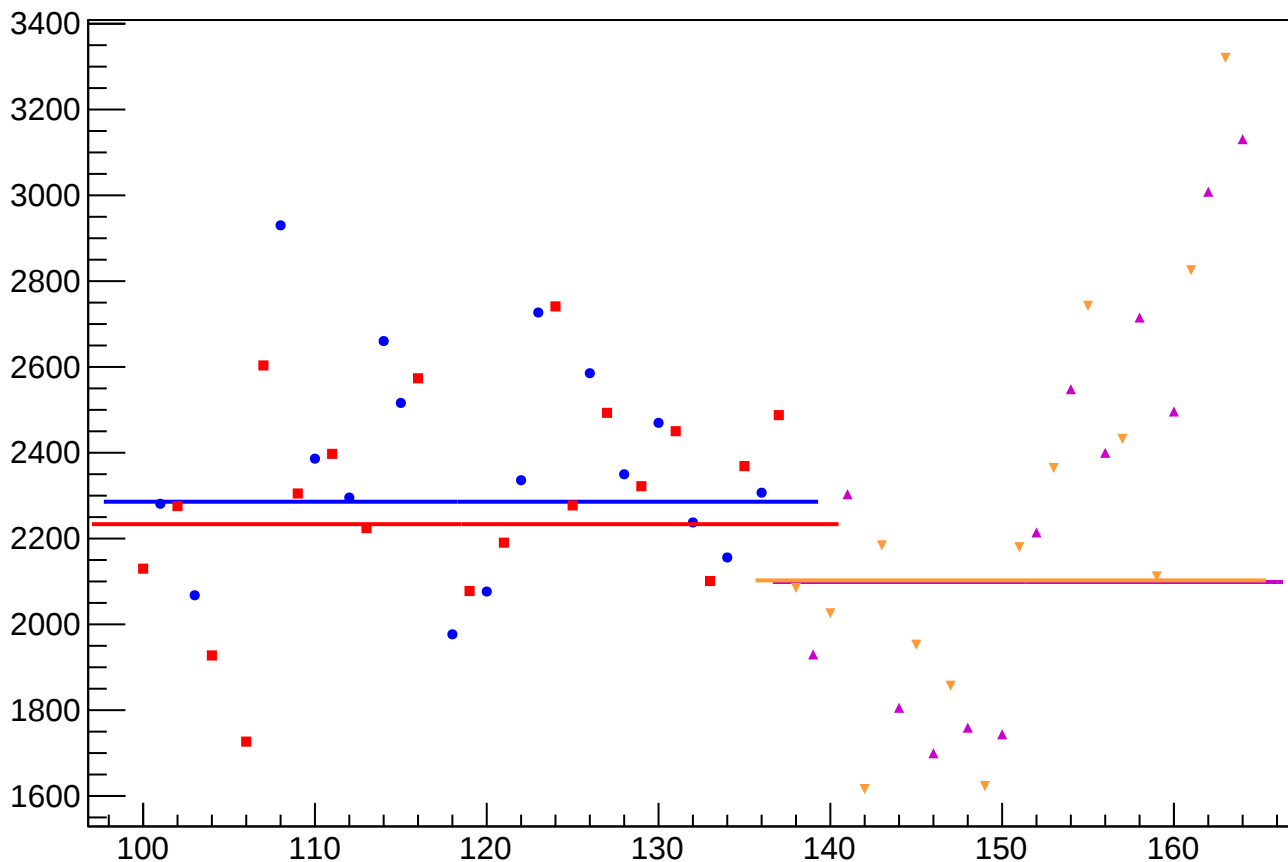
Left In: 69.070 $\pm$ 0.673 χ^2 /NDF: 1957.8/12

+ sign 28.555 $\pm$ 0.530 χ^2 /NDF: 7400.0/30

All: 34.734 $\pm$ 0.373 χ^2 /NDF: 16758.9/62

- sign 40.817 $\pm$ 0.526 χ^2 /NDF: 9088.9/31

diff_bpm0i01X_rms vs Slug



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

Left Out: 2102.510+/-0.467 χ^2/NDF : 698179.3/13

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

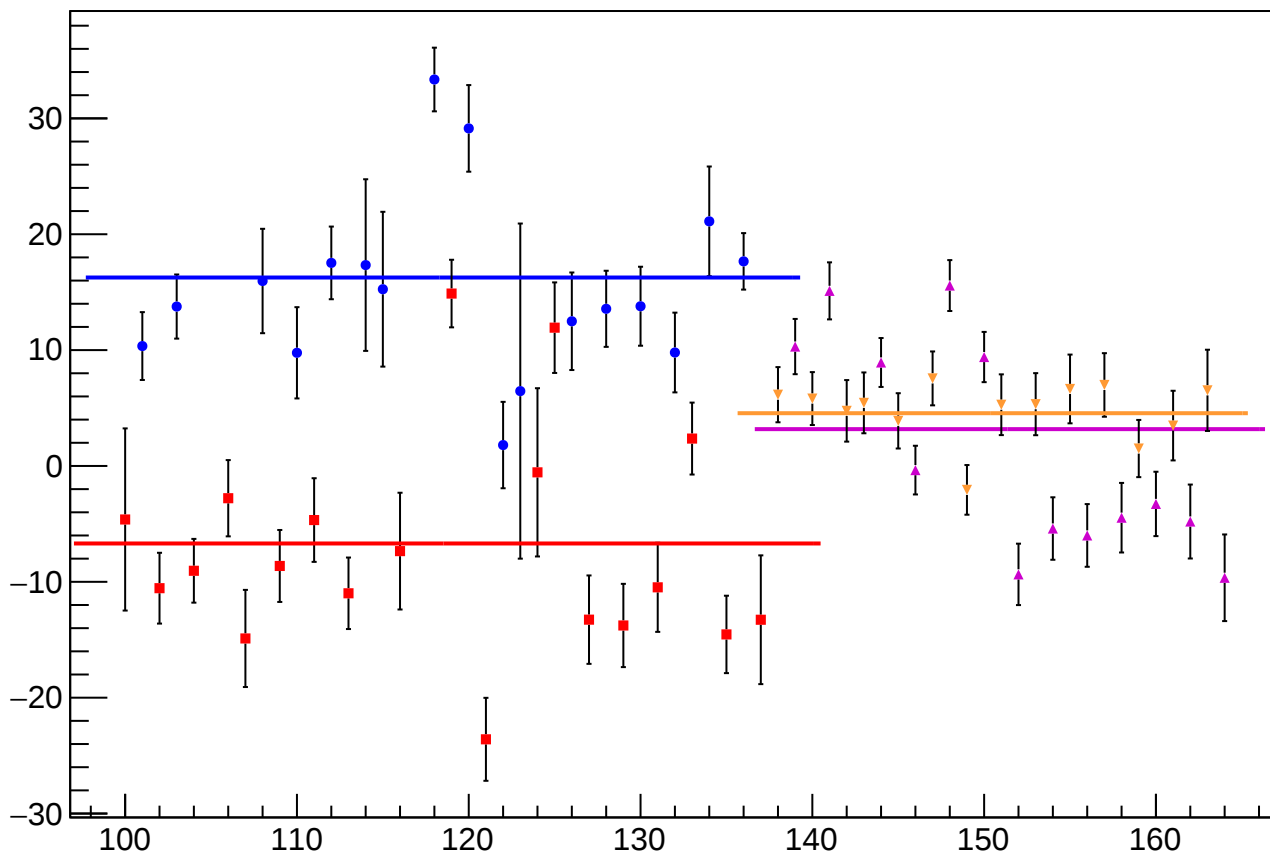
Left In: 2098.757+/-0.476 χ^2/NDF : 753558.9/12

+ sign 2168.109+/-0.375 χ^2/NDF : 862556.3/30

All: 2159.603+/-0.264 χ^2/NDF : 1795250.1/62

- sign 2151.228+/-0.372 χ^2/NDF : 931670.5/31

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.554 $\pm$ 0.687 χ^2 /NDF: 15.6/13

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

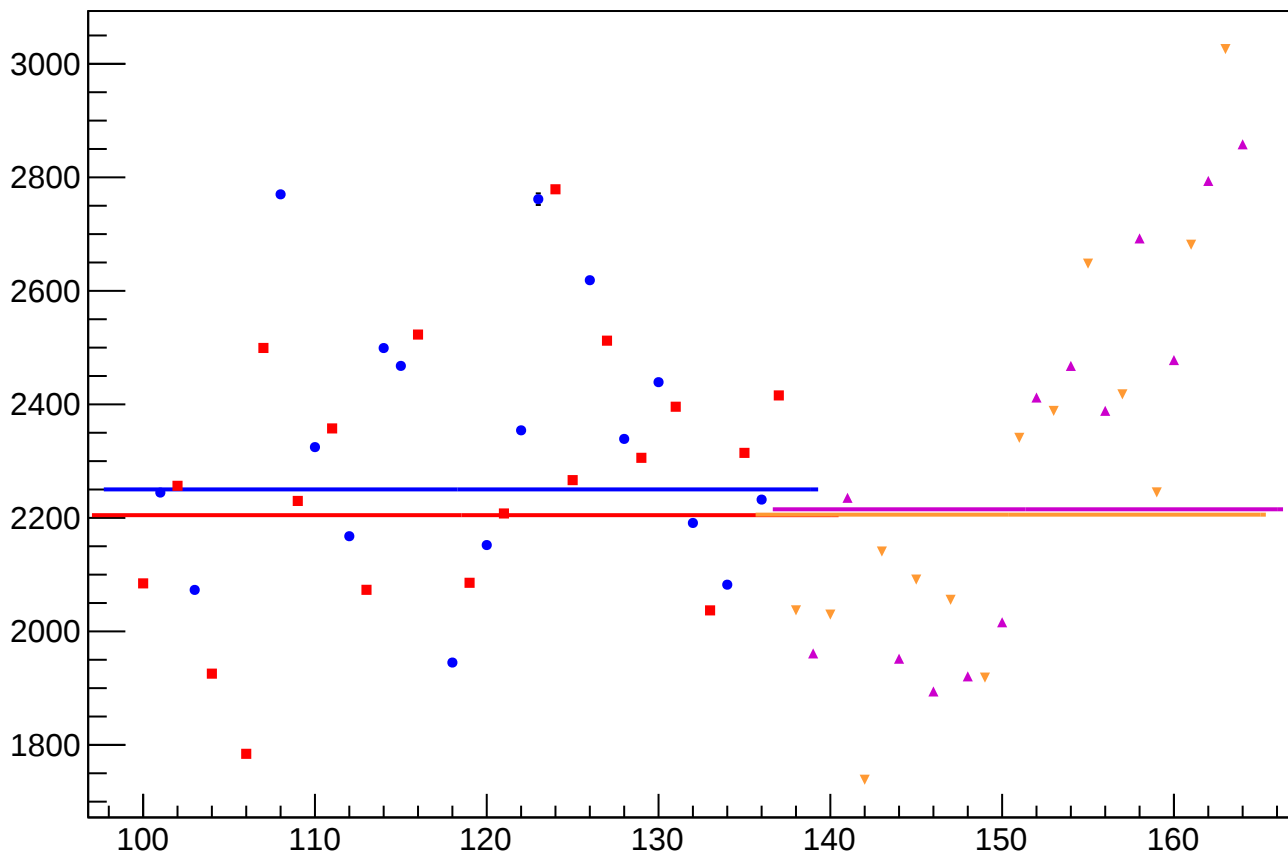
Left In: 3.179 $\pm$ 0.700 χ^2 /NDF: 156.6/12

+ sign 9.040 $\pm$ 0.539 χ^2 /NDF: 207.8/30

All: 4.023 $\pm$ 0.380 χ^2 /NDF: 752.6/62

- sign -0.922 $\pm$ 0.536 χ^2 /NDF: 373.1/31

diff_bpm0i01Y_rms vs Slug



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

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

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

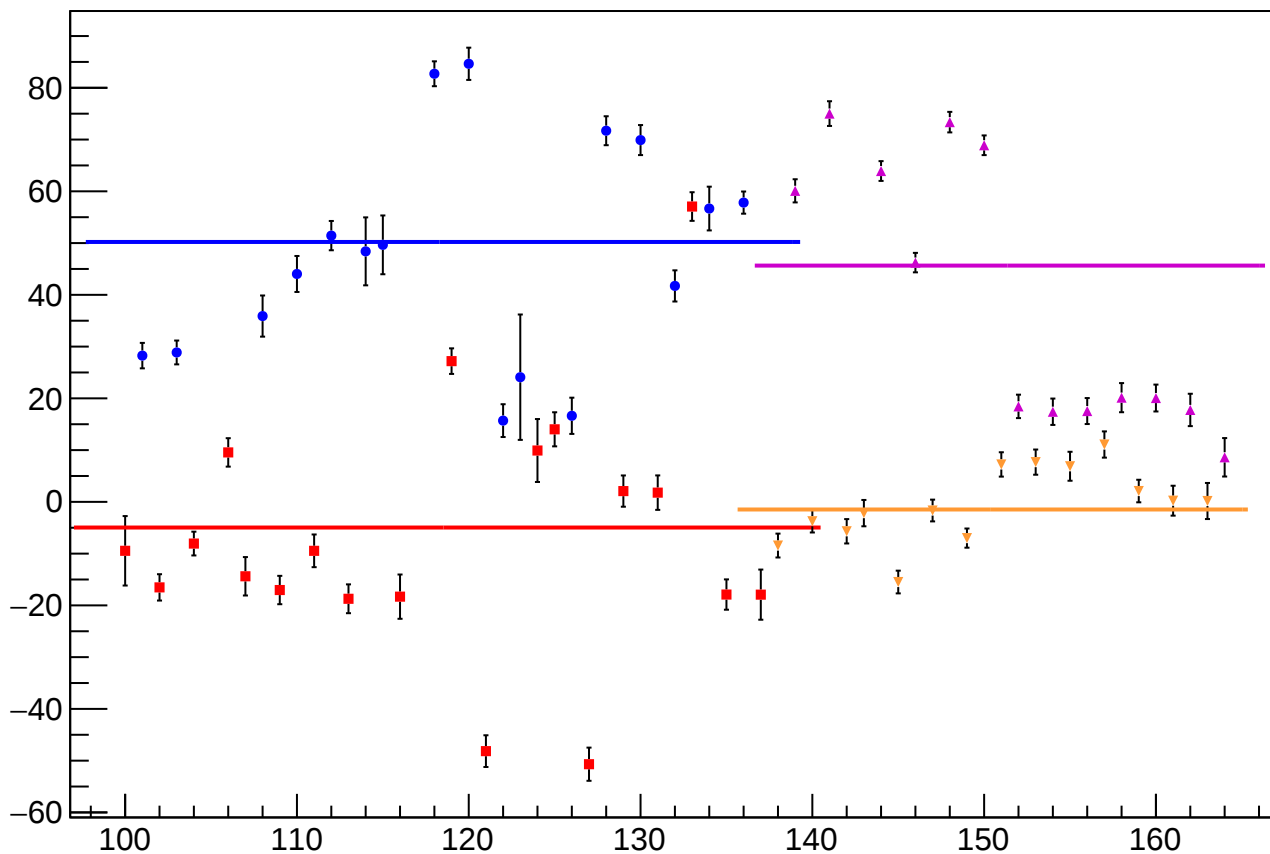
Left In: 2215.135 ± 0.495 χ^2/NDF : 383519.9/12

+ sign 2222.733 ± 0.381 χ^2/NDF : 465737.9/30

All: 2216.742 ± 0.269 χ^2/NDF : 976156.6/62

- sign 2210.836 ± 0.379 χ^2/NDF : 509928.7/31

diff_bpm0i01aX_mean vs Slug



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

Left Out: -1.473 $\pm$ 0.632 χ^2 /NDF:127.6/13

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

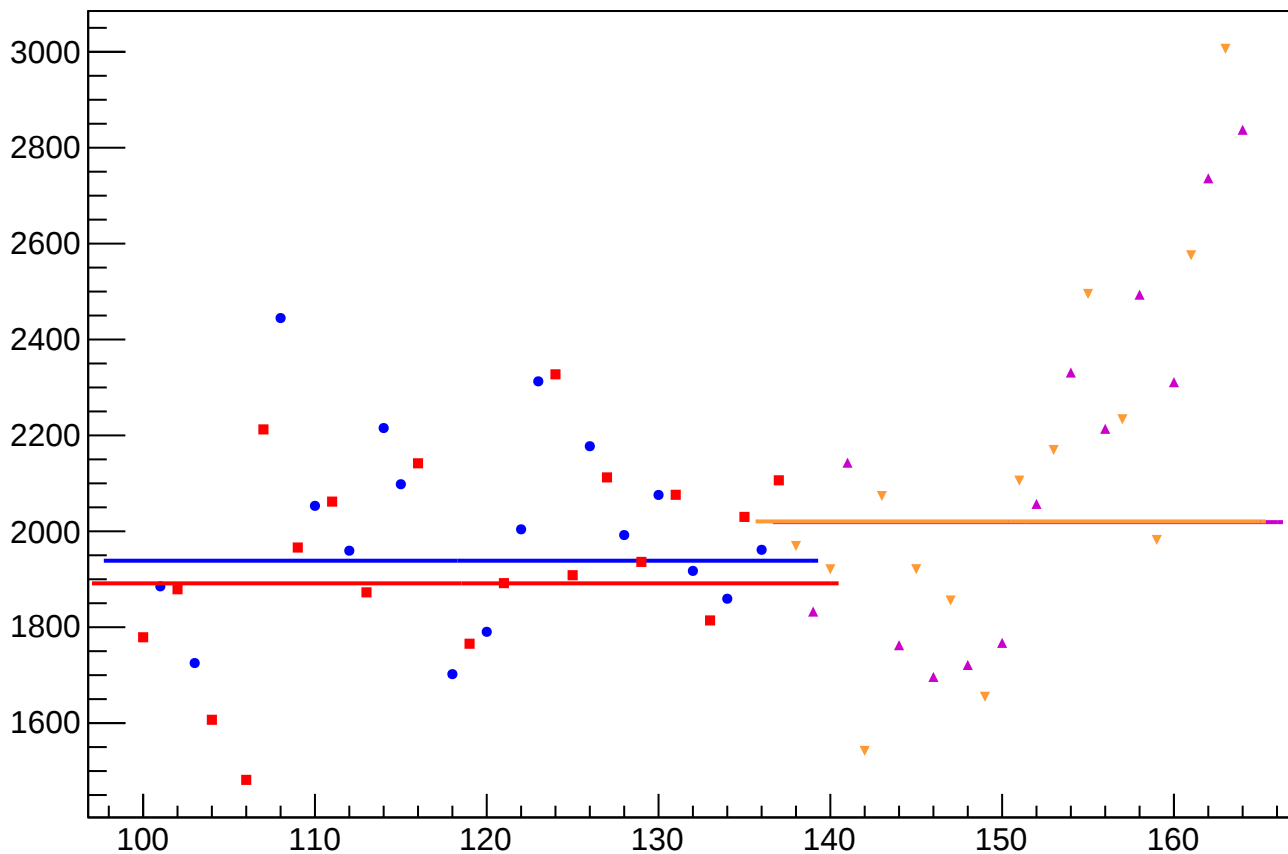
Left In: 45.649 $\pm$ 0.643 χ^2 /NDF:1380.2/12

+ sign 19.951 $\pm$ 0.483 χ^2 /NDF: 3733.2/30

All: 21.478 $\pm$ 0.340 χ^2 /NDF: 9172.7/62

- sign 22.970 $\pm$ 0.478 χ^2 /NDF: 5419.8/31

diff_bpm0i01aX_rms vs Slug



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

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

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

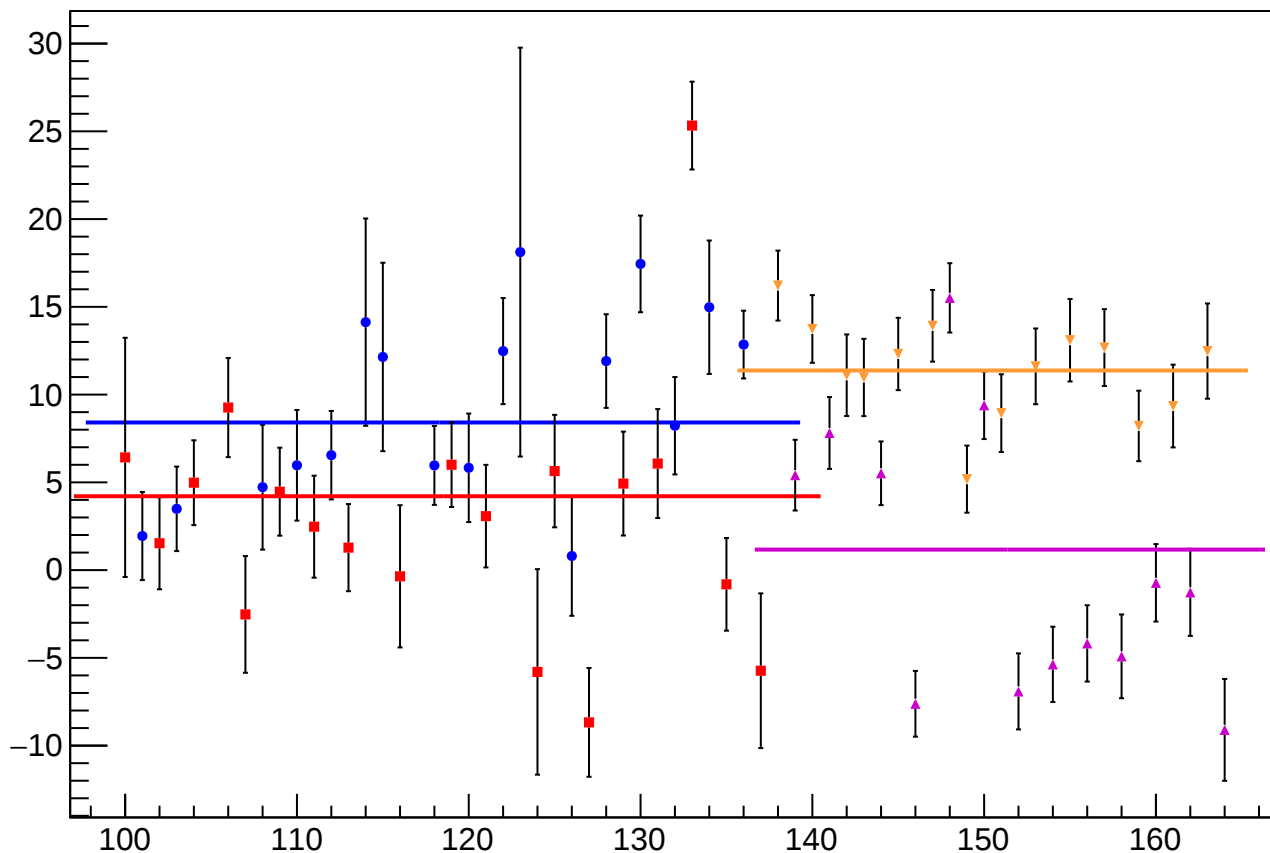
Left In: 2019.136 $\pm$ 0.455 χ^2 /NDF: 521391.5/12

+ sign 1986.659 $\pm$ 0.342 χ^2 /NDF: 613350.6/30

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

- sign 1961.921 $\pm$ 0.338 χ^2 /NDF: 703361.4/31

diff_bpm0i01aY_mean vs Slug



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

Left Out: 11.374 $\pm$ 0.574 χ^2/NDF : 25.2/13

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

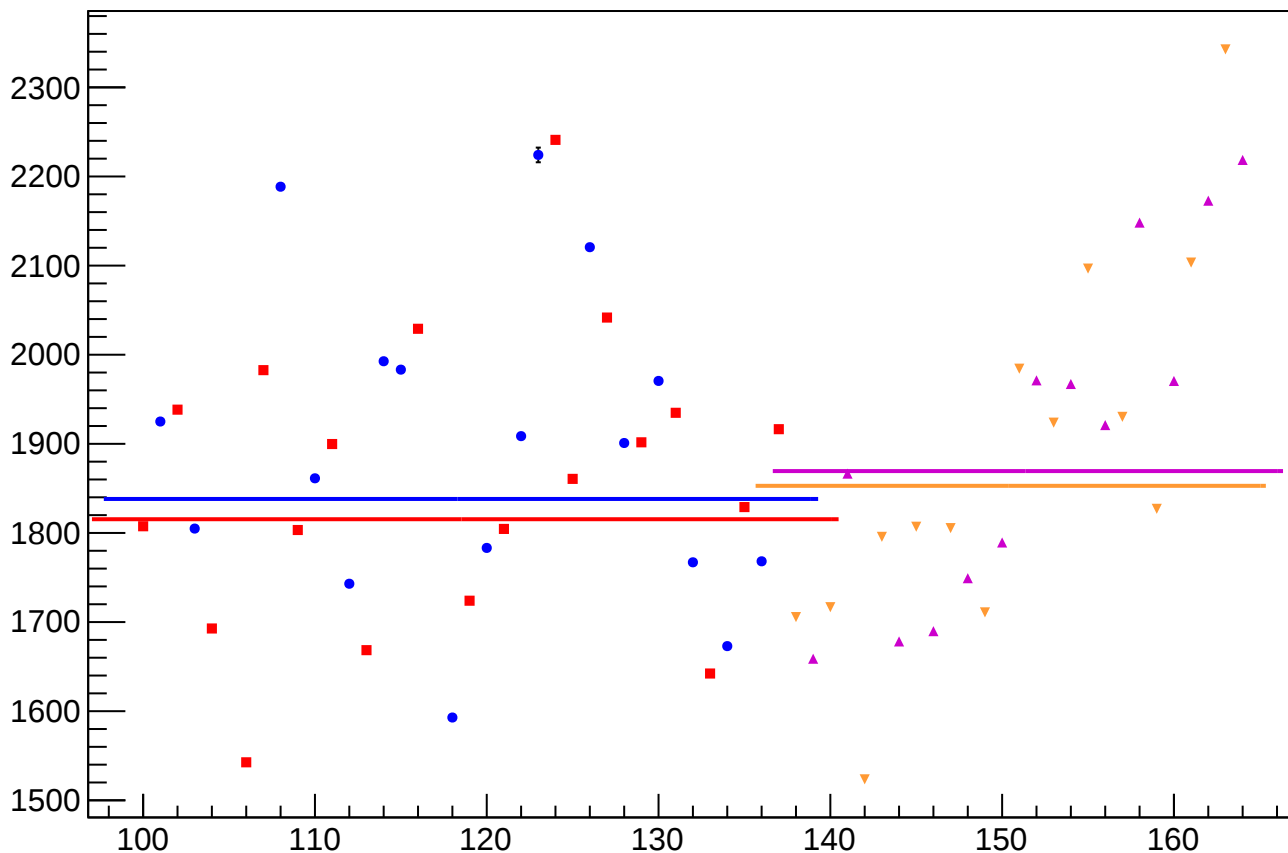
Left In: 1.169 $\pm$ 0.587 χ^2/NDF : 163.6/12

+ sign 10.205 $\pm$ 0.447 χ^2/NDF : 80.3/30

All: 6.318 $\pm$ 0.315 χ^2/NDF : 519.2/62

- sign 2.461 $\pm$ 0.445 χ^2/NDF : 288.1/31

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1852.885 $\pm$ 0.406 χ^2 /NDF:196888.2/13

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

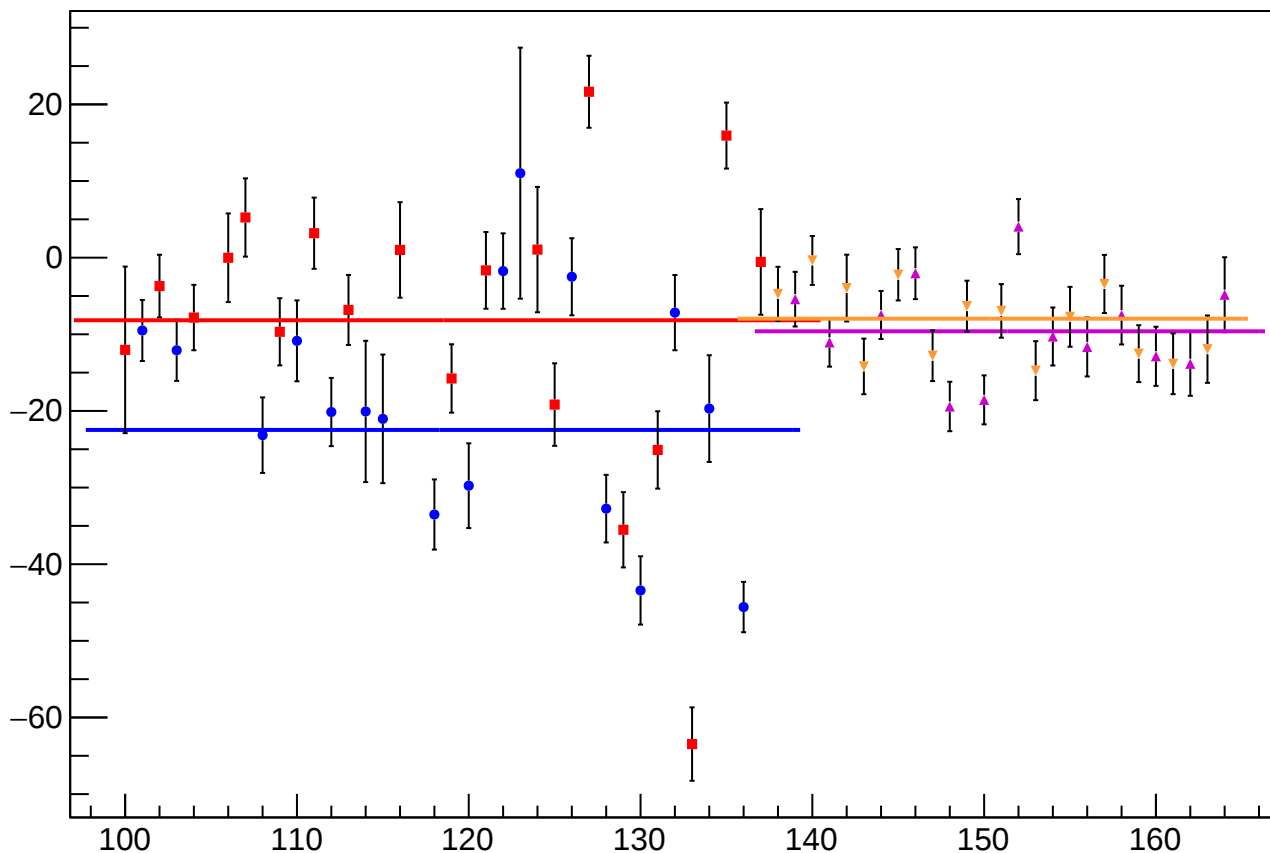
Left In: 1869.430 $\pm$ 0.415 χ^2 /NDF:173369.9/12

+ sign 1847.069 $\pm$ 0.316 χ^2 /NDF: 280287.2/30

All: 1846.764 $\pm$ 0.223 χ^2 /NDF: 548284.7/62

- sign 1846.461 $\pm$ 0.315 χ^2 /NDF: 267995.6/31

diff_bpm0l01X_mean vs Slug



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

Left Out: -7.960 ± 0.976 χ^2/NDF : 24.7/13

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

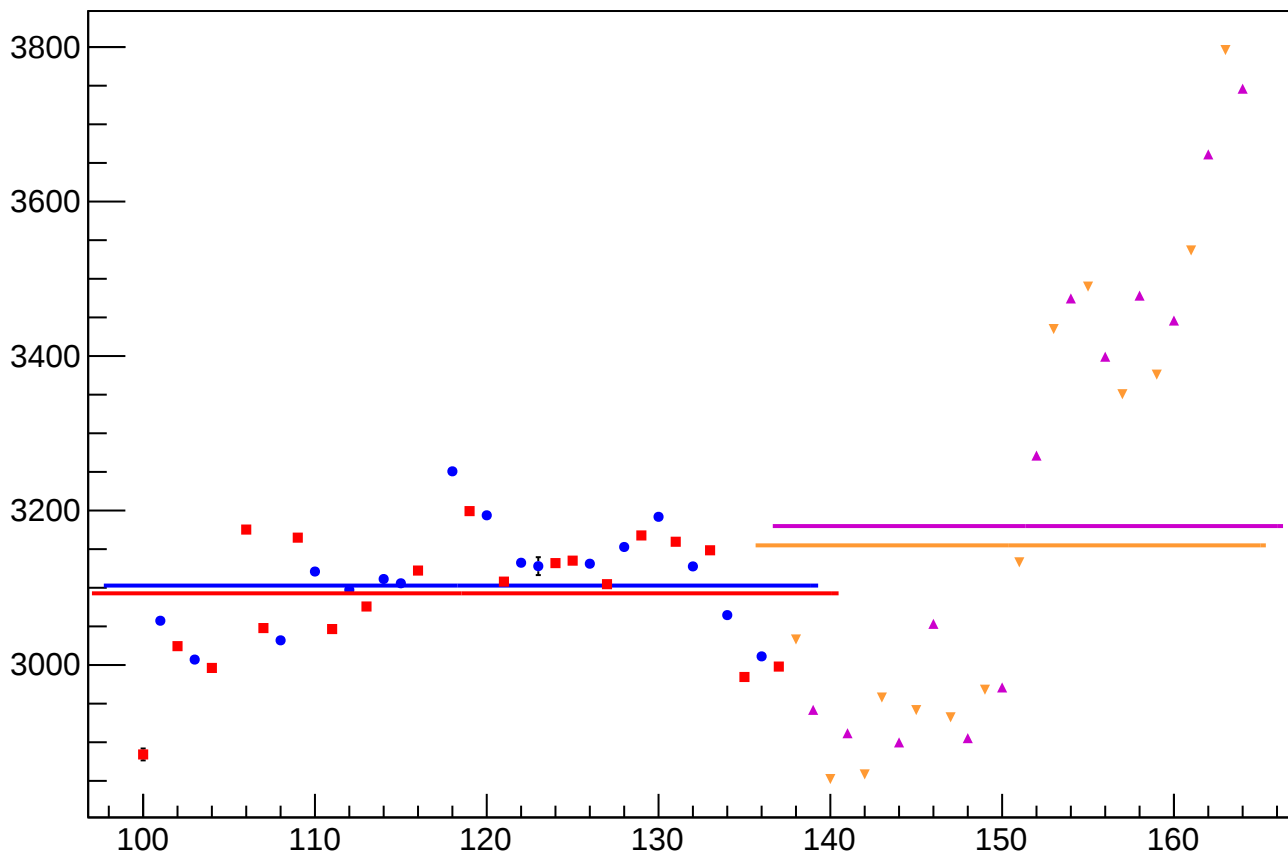
Left In: -9.609 ± 0.994 χ^2/NDF : 41.9/12

+ sign -13.769 ± 0.756 χ^2/NDF : 268.0/30

All: -11.377 ± 0.534 χ^2/NDF : 607.7/62

- sign -8.997 ± 0.754 χ^2/NDF : 319.7/31

diff_bpm0l01X_rms vs Slug



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

Left Out: 3154.898 $\pm$ 0.690 χ^2 /NDF: 157941.3/13

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

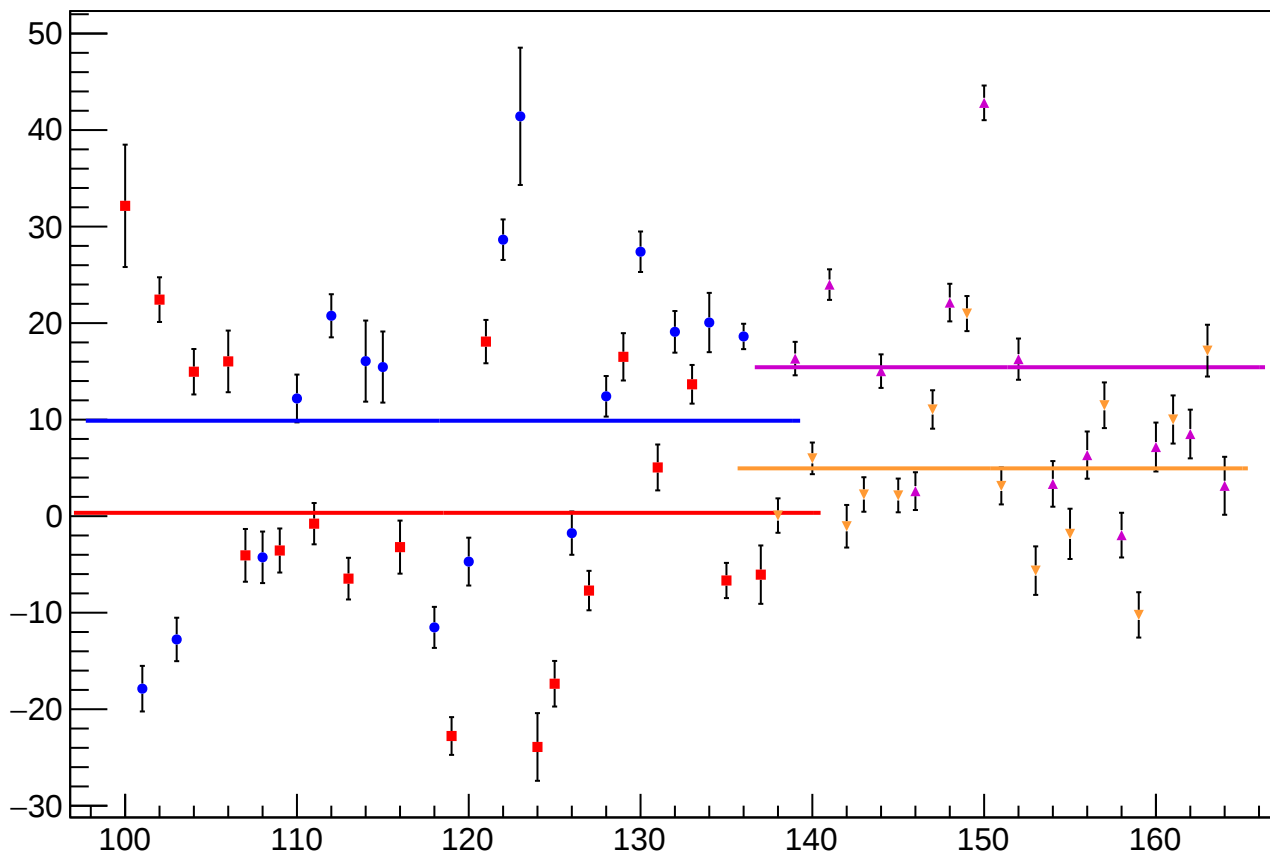
Left In: 3179.876 $\pm$ 0.703 χ^2 /NDF: 160021.8/12

+ sign 3134.070 $\pm$ 0.534 χ^2 /NDF: 167563.5/30

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

- sign 3142.866 $\pm$ 0.533 χ^2 /NDF: 174305.0/31

diff_bpm0l01Y_mean vs Slug



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

Left Out: 4.952 ± 0.548 χ^2/NDF : 207.1/13

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

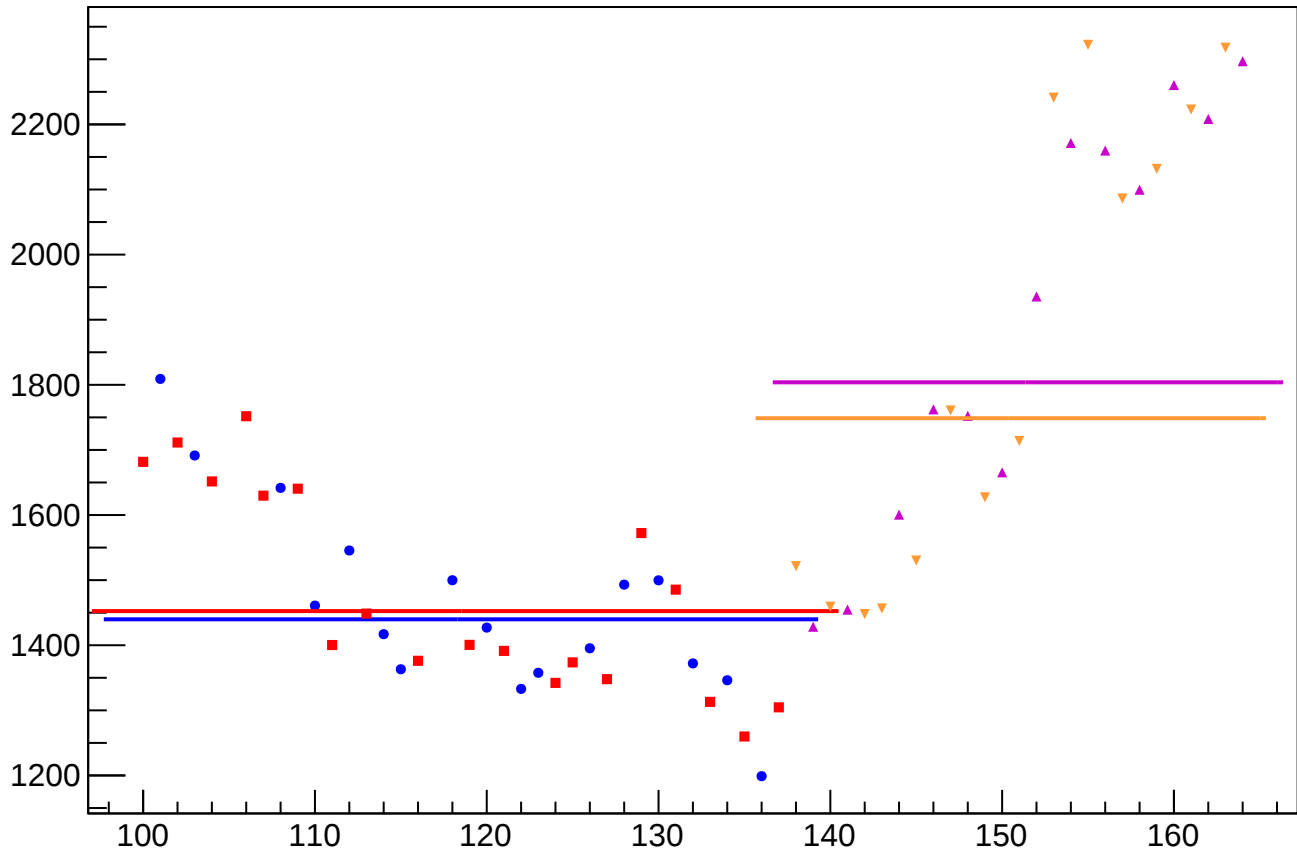
Left In: 15.431 ± 0.570 χ^2/NDF : 448.6/12

+ sign 7.370 ± 0.392 χ^2/NDF : 950.5/30

All: 7.469 ± 0.278 χ^2/NDF : 2392.4/62

- sign 7.570 ± 0.395 χ^2/NDF : 1441.8/31

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1748.741+/-0.388 χ^2/NDF : 656396.4/13

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

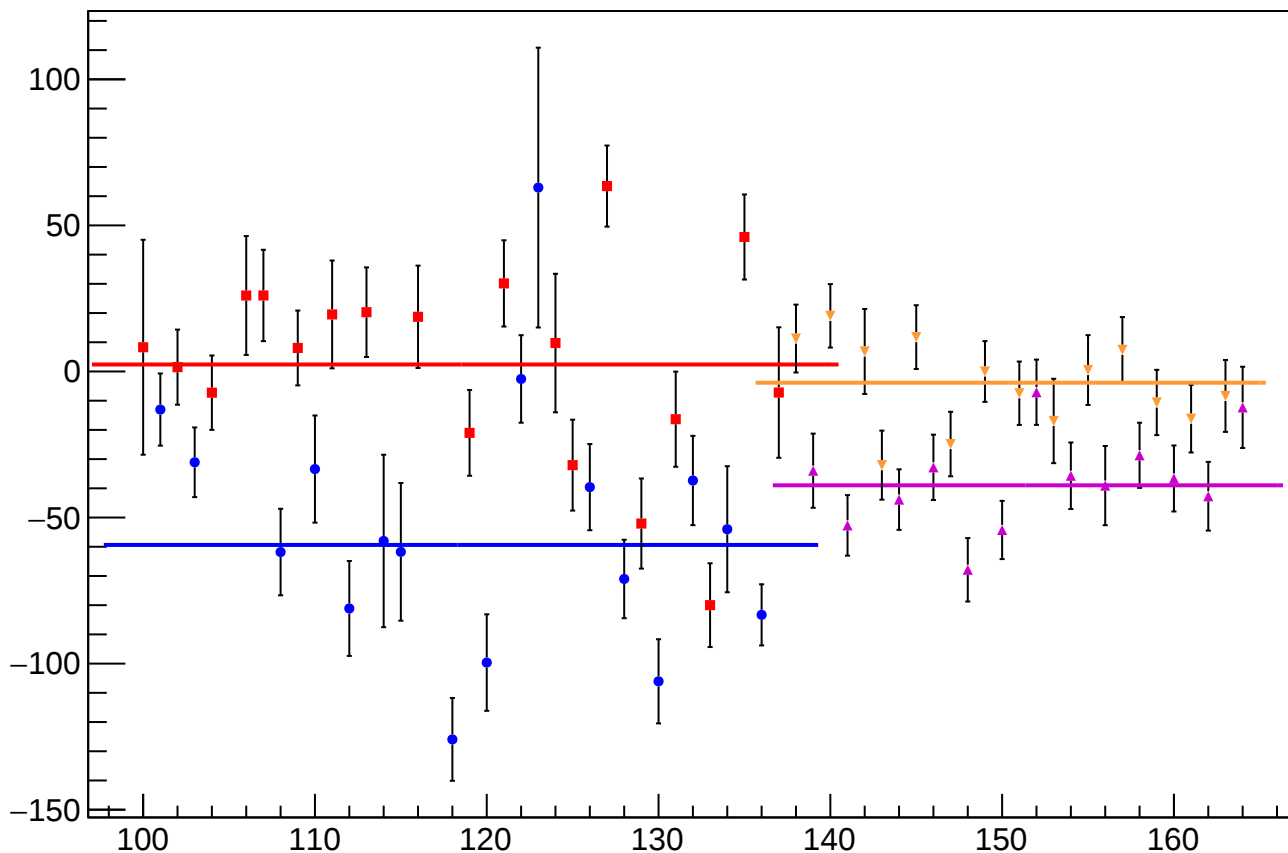
Left In: 1803.860+/-0.403 χ^2/NDF : 533759.4/12

+ sign 1597.405+/-0.277 χ^2/NDF : 1140245.4/30

All: 1608.978+/-0.197 χ^2/NDF : 2211513.1/62

- sign 1620.740+/-0.279 χ^2/NDF : 1067745.6/31

diff_bpm0l02X_mean vs Slug



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

Left Out: -3.850 ± 3.102 χ^2/NDF : 21.9/13

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

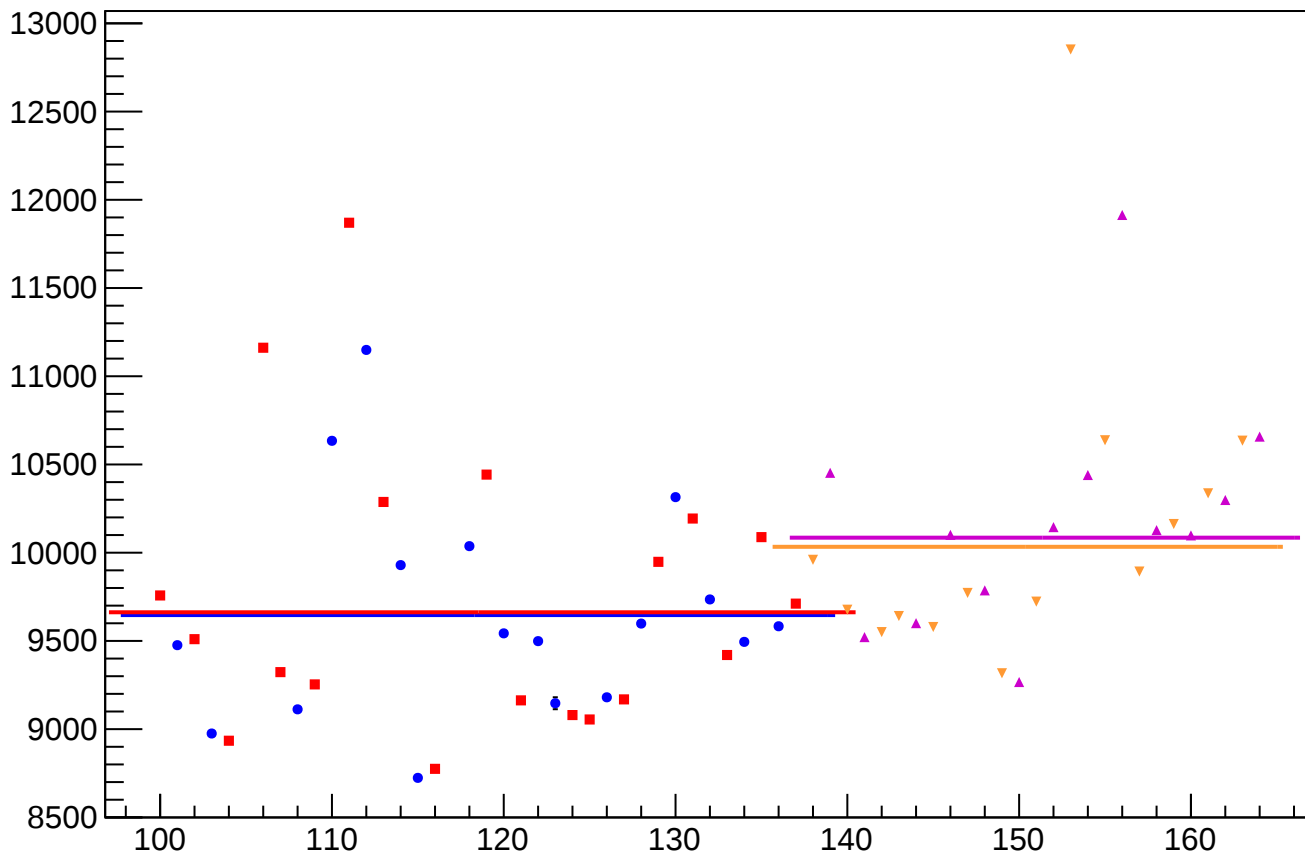
Left In: -38.968 ± 3.149 χ^2/NDF : 24.8/12

+ sign -26.557 ± 2.385 χ^2/NDF : 245.8/30

All: -23.875 ± 1.684 χ^2/NDF : 441.1/62

- sign -21.206 ± 2.379 χ^2/NDF : 192.8/31

diff_bpm0l02X_rms vs Slug



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

Left Out: 10033.385+/-2.193 χ^2/NDF :110330.1/13

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

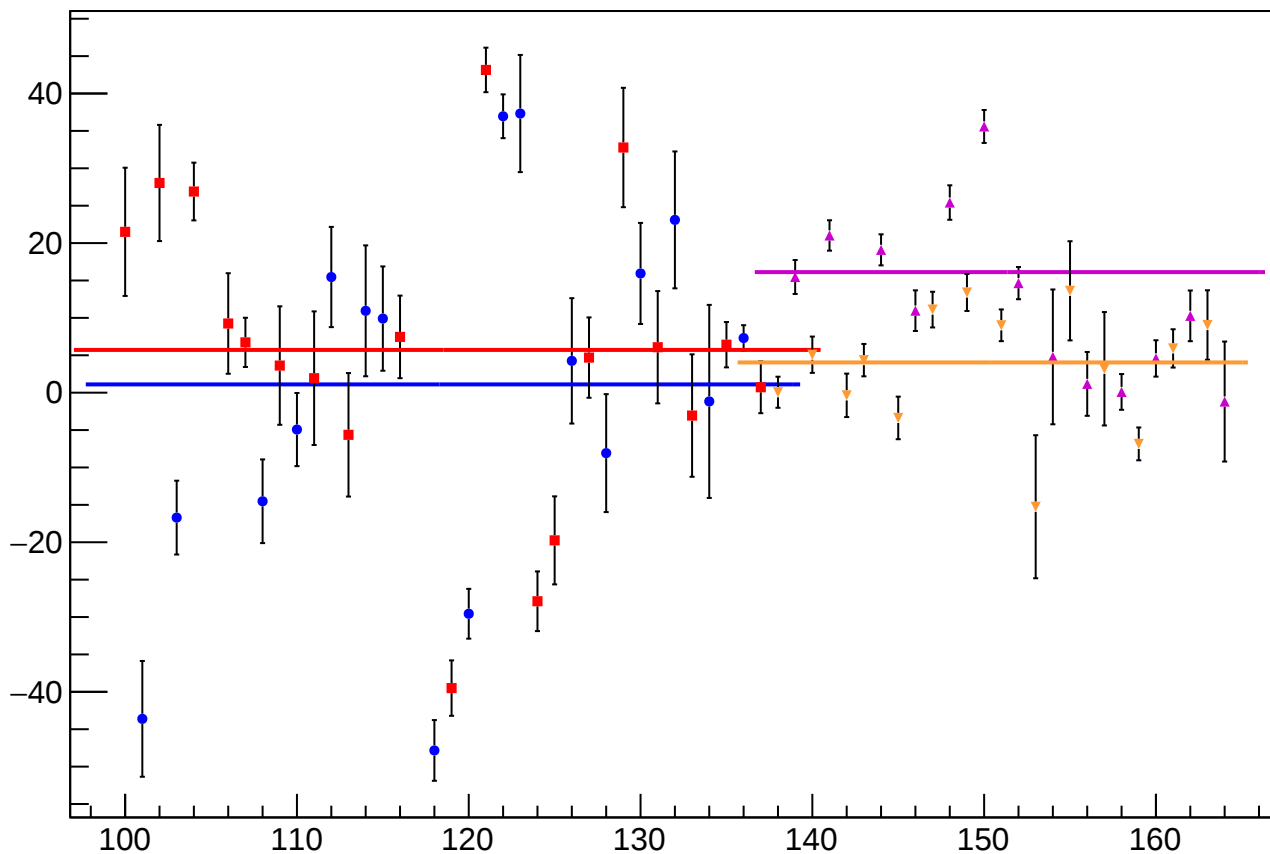
Left In: 10085.140+/-2.227 χ^2/NDF :69428.2/12

+ sign 9875.159+/-1.686 χ^2/NDF : 167117.2/30

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

- sign 9903.558+/-1.682 χ^2/NDF : 162492.3/31

diff_bpm0l02Y_mean vs Slug



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

Left Out: 4.044 ± 0.730 χ^2/NDF : 74.0/13

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

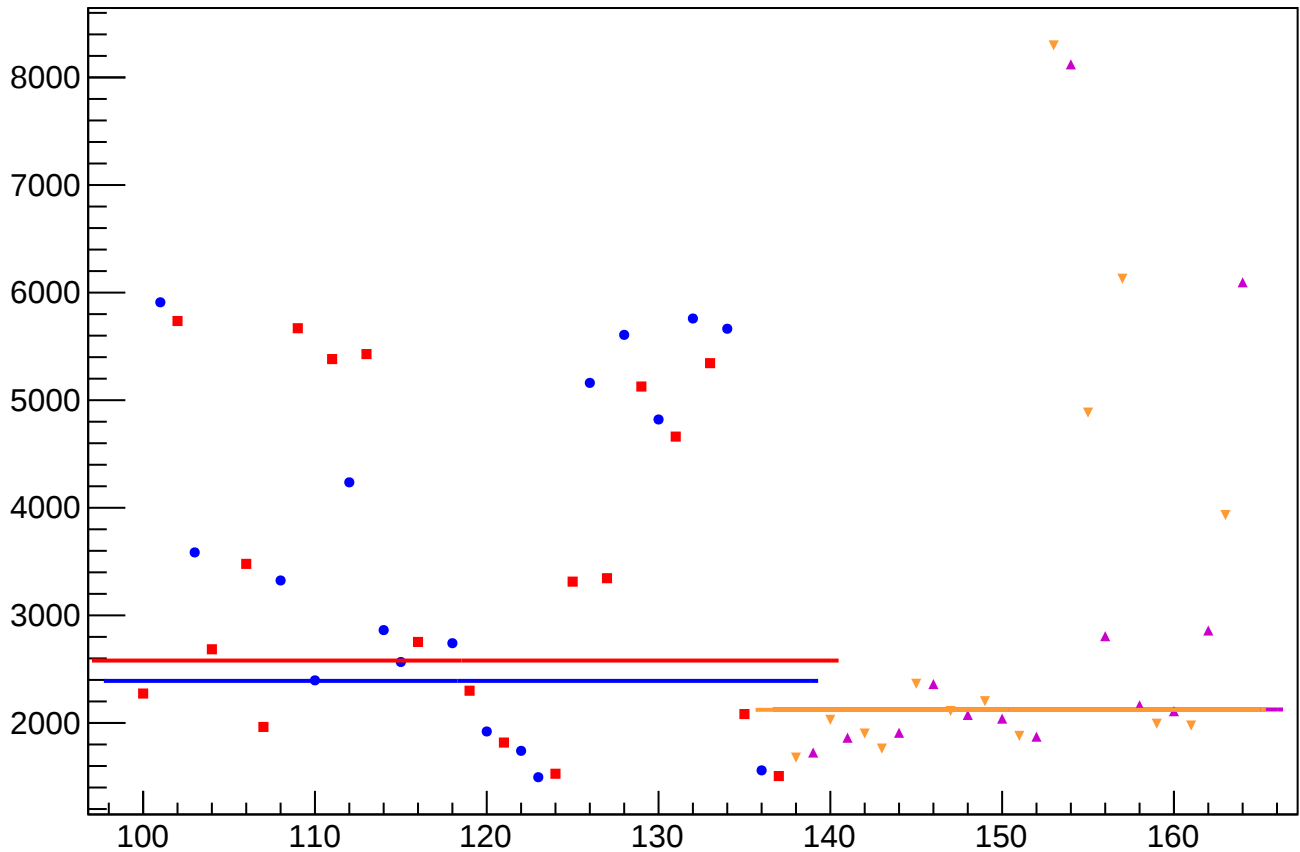
Left In: 16.121 ± 0.720 χ^2/NDF : 195.4/12

+ sign 3.106 ± 0.603 χ^2/NDF : 568.8/30

All: 8.047 ± 0.426 χ^2/NDF : 1417.6/62

- sign 12.963 ± 0.601 χ^2/NDF : 714.7/31

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2122.372 $\pm$ 0.516 χ^2 /NDF: 2260798.0/13

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

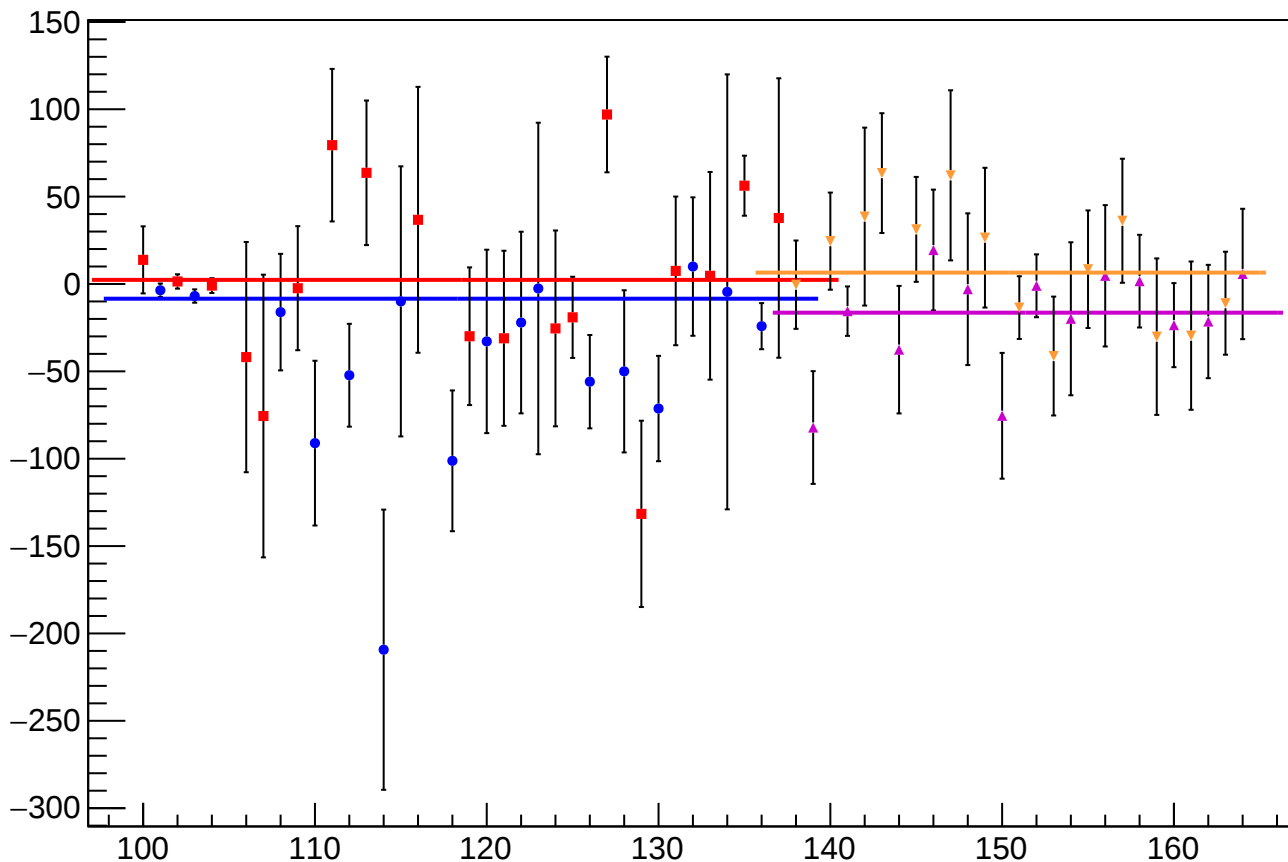
Left In: 2125.292 $\pm$ 0.509 χ^2 /NDF: 1684296.8/12

+ sign 2208.172 $\pm$ 0.426 χ^2 /NDF: 4947838.1/30

All: 2235.801 $\pm$ 0.301 χ^2 /NDF: 9247769.4/62

- sign 2263.297 $\pm$ 0.425 χ^2 /NDF: 4291540.9/31

diff_bpm0l03X_mean vs Slug



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

Left Out: 6.509 ± 8.420 χ^2/NDF : 11.6/13

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

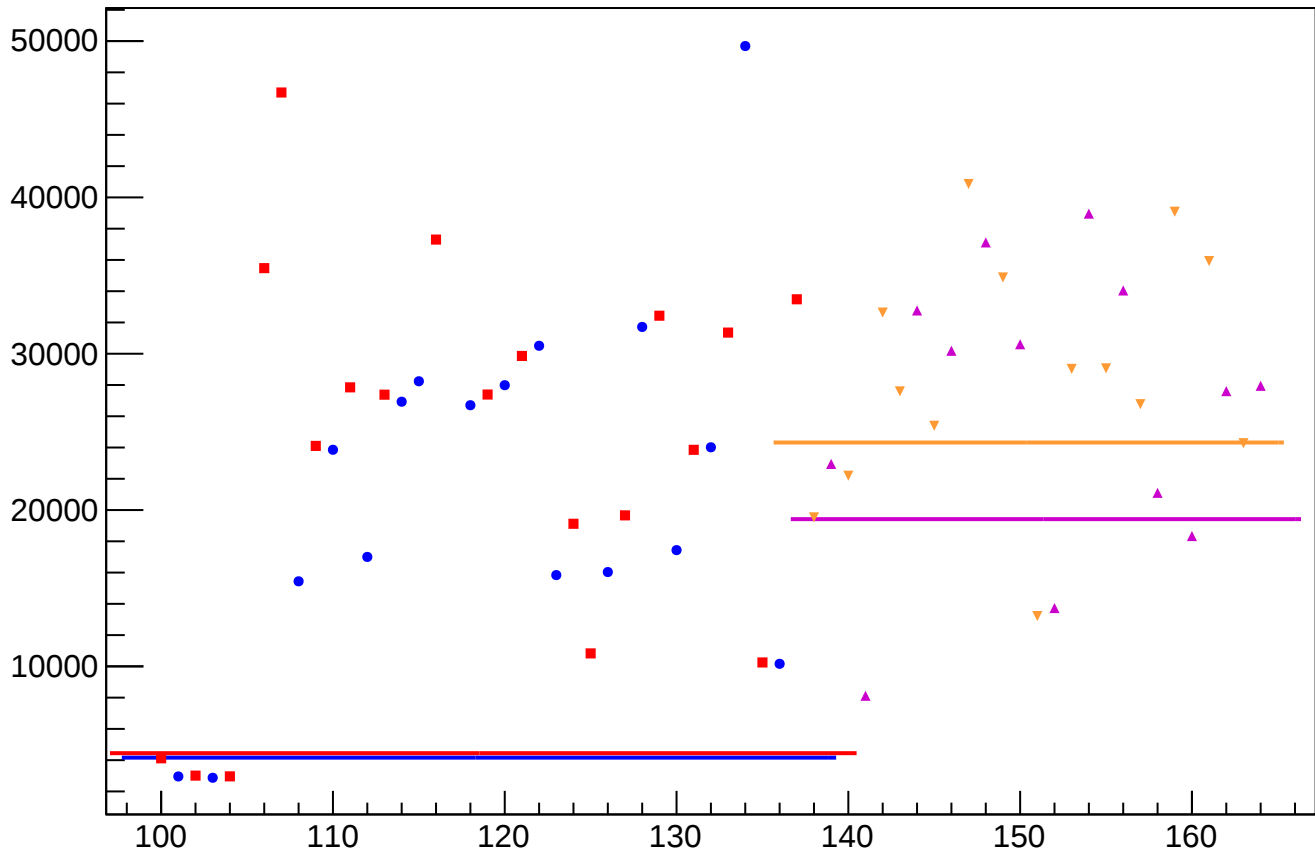
Left In: -16.429 ± 7.476 χ^2/NDF : 10.3/12

+ sign -7.141 ± 2.473 χ^2/NDF : 43.3/30

All: -3.737 ± 1.796 χ^2/NDF : 97.8/62

- sign 0.058 ± 2.611 χ^2/NDF : 50.5/31

diff_bpm0l03X_rms vs Slug



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

Left Out: 24320.201+/-5.954 χ^2/NDF : 1748385.9/13

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

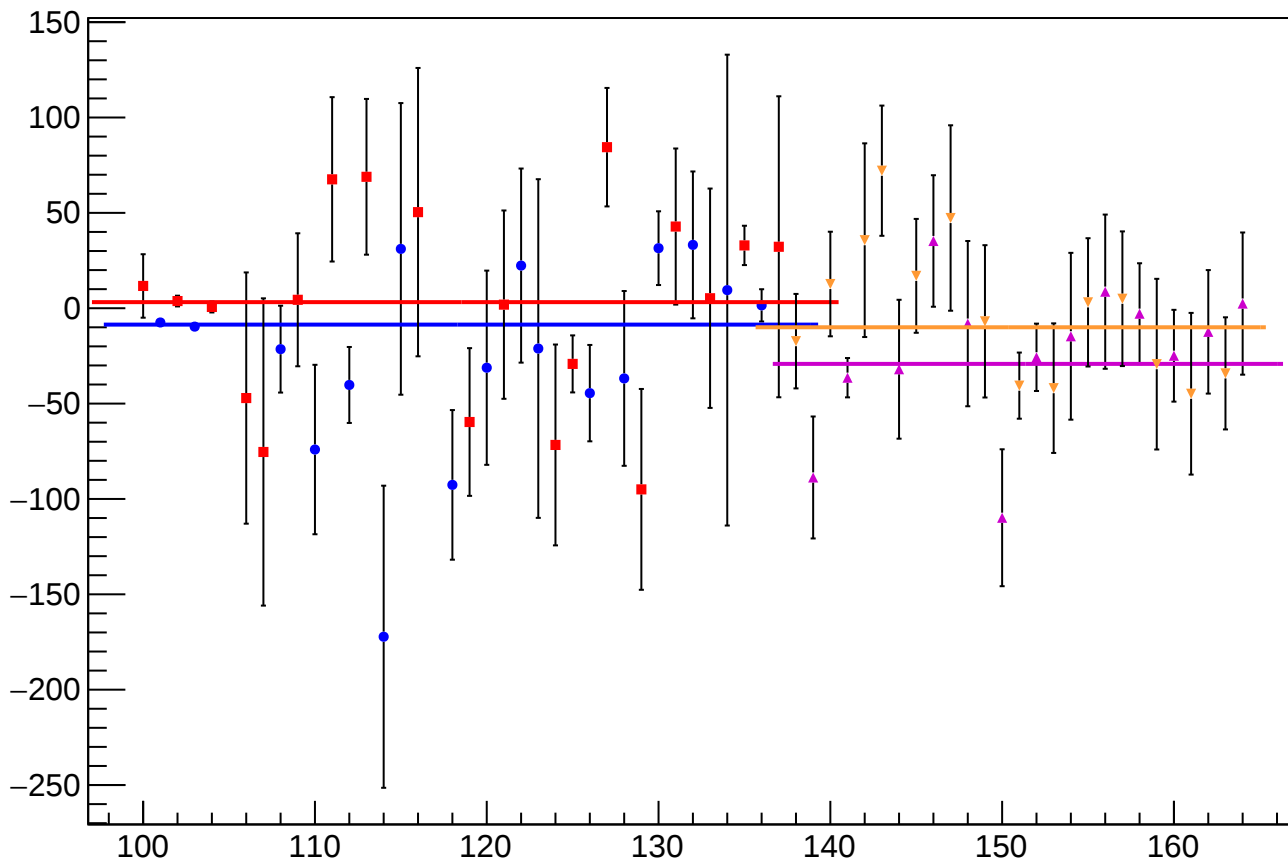
Left In: 19418.313+/-5.287 χ^2/NDF : 3391592.4/12

+ sign 5901.760+/-1.749 χ^2/NDF : 18213353.1/30

All: 6077.551+/-1.270 χ^2/NDF : 36094643.5/6

- sign 6273.515+/-1.846 χ^2/NDF : 17859923.5/31

diff_bpm0l03Y_mean vs Slug



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

Left Out: -9.985 ± 8.313 χ^2/NDF : 15.4/13

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

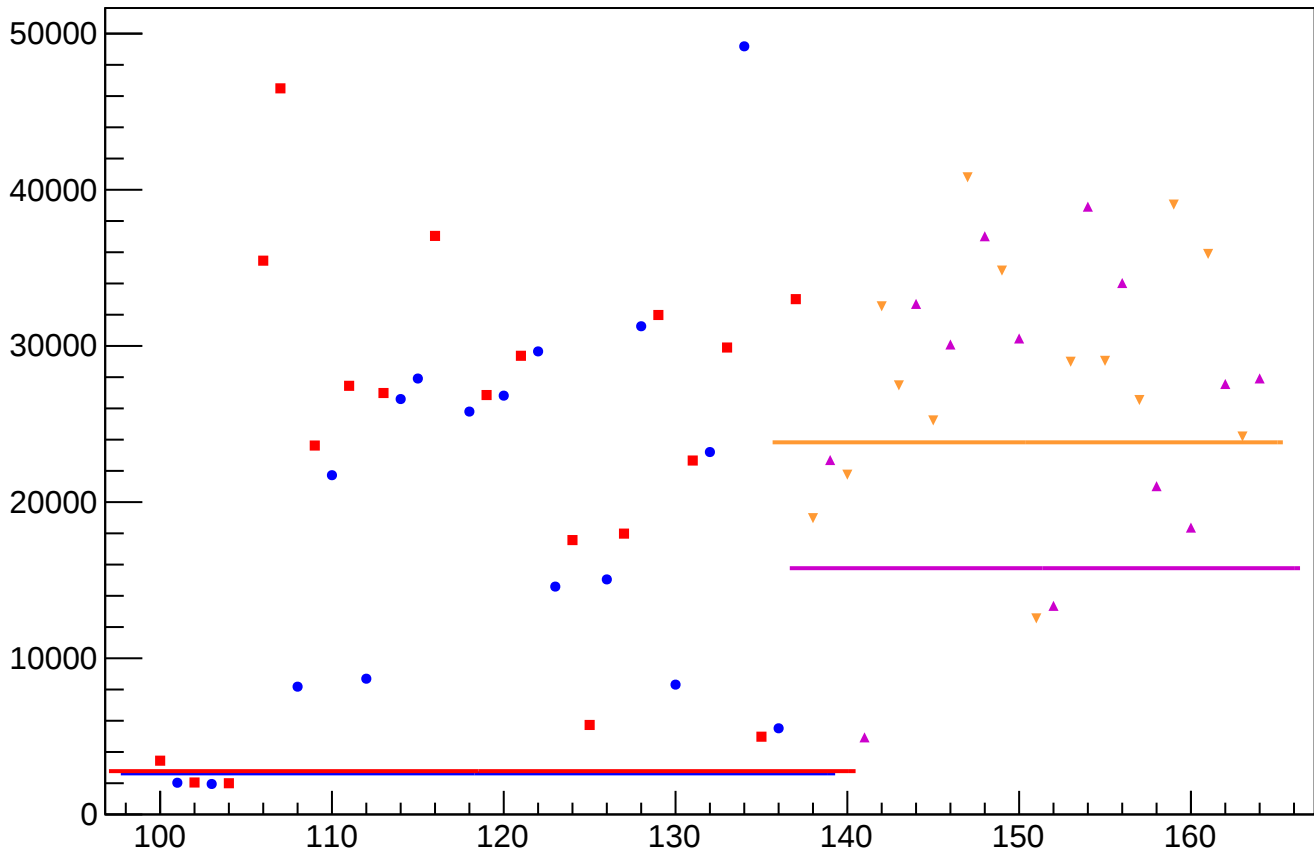
Left In: -29.185 ± 6.673 χ^2/NDF : 15.8/12

+ sign -8.648 ± 1.738 χ^2/NDF : 39.9/30

All: -4.251 ± 1.266 χ^2/NDF : 127.9/62

- sign 0.713 ± 1.847 χ^2/NDF : 74.4/31

diff_bpm0l03Y_rms vs Slug



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

Left Out: 23828.469+/-5.878 χ^2/NDF : 1914945.7/13

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

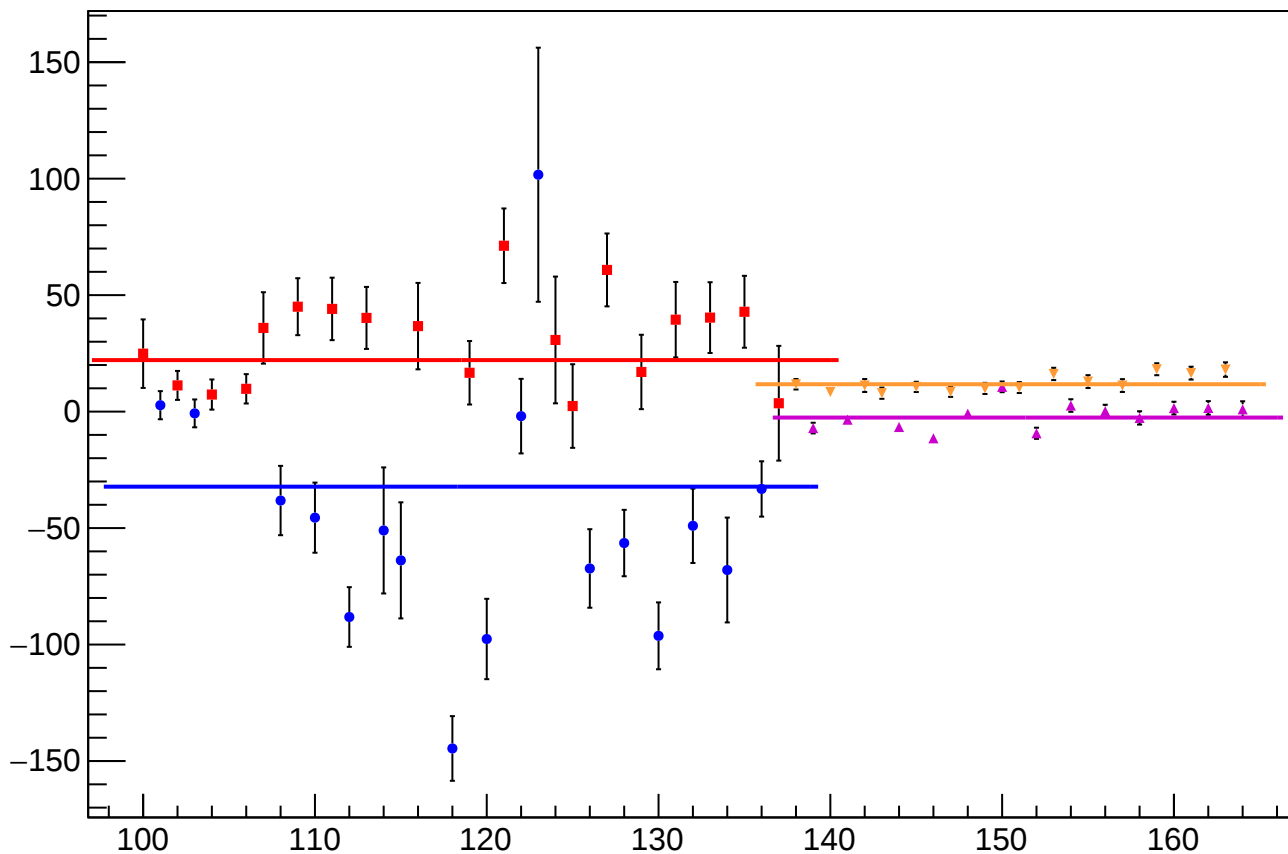
Left In: 15768.871+/-4.718 χ^2/NDF : 5481540.4/12

+ sign 3557.598+/-1.229 χ^2/NDF : 19940027.9/30

All: 3657.020+/-0.895 χ^2/NDF : 40276011.1/6

- sign 3769.262+/-1.306 χ^2/NDF : 20322056.7/31

diff_bpm0l04X_mean vs Slug



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

Left Out: 11.750 ± 0.662 χ^2/NDF : 24.7/13

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

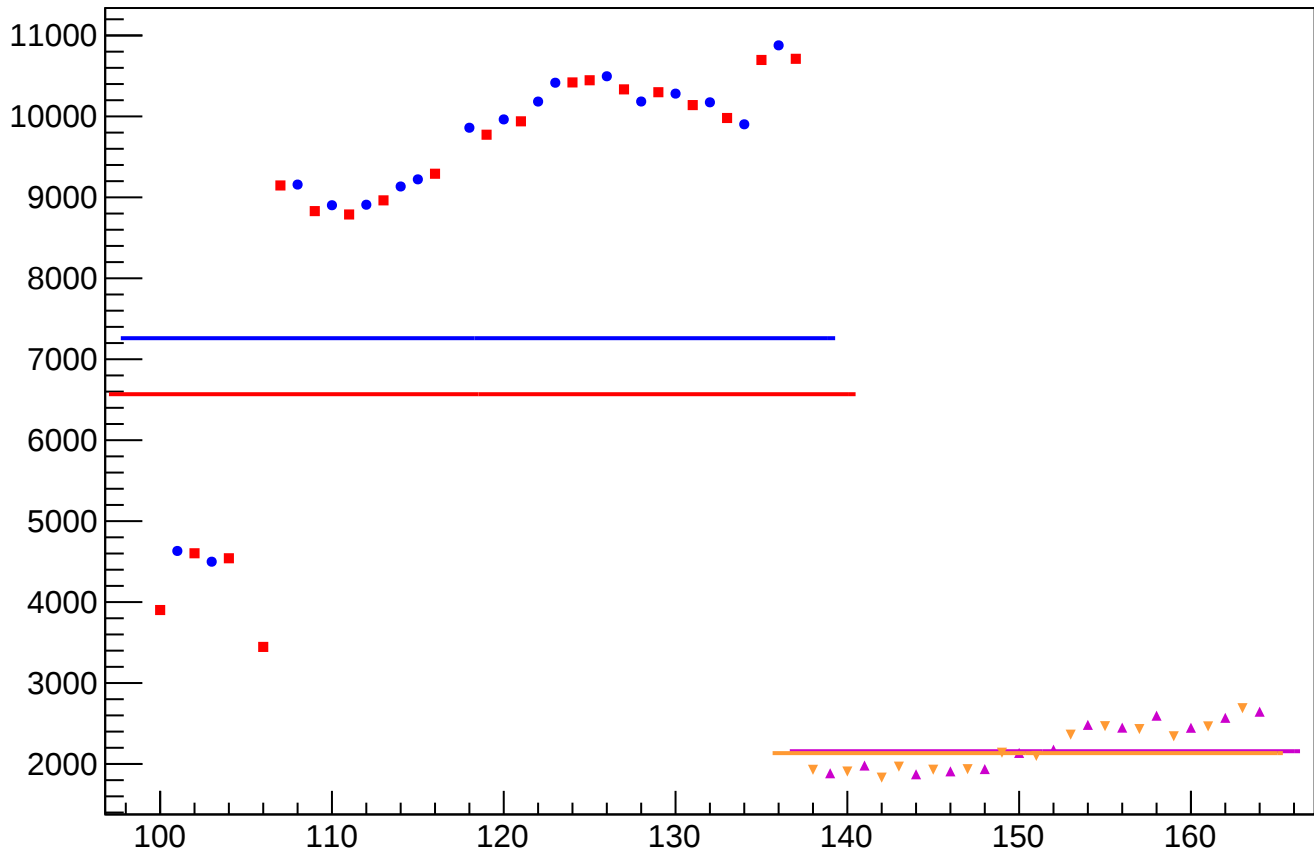
Left In: -2.558 ± 0.678 χ^2/NDF : 77.1/12

+ sign 9.683 ± 0.646 χ^2/NDF : 435.7/30

All: 4.398 ± 0.461 χ^2/NDF : 772.6/62

- sign -1.063 ± 0.657 χ^2/NDF : 201.0/31

diff_bpm0l04X_rms vs Slug



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

Left Out: 2133.915+/-0.468 χ^2/NDF : 279150.6/13

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

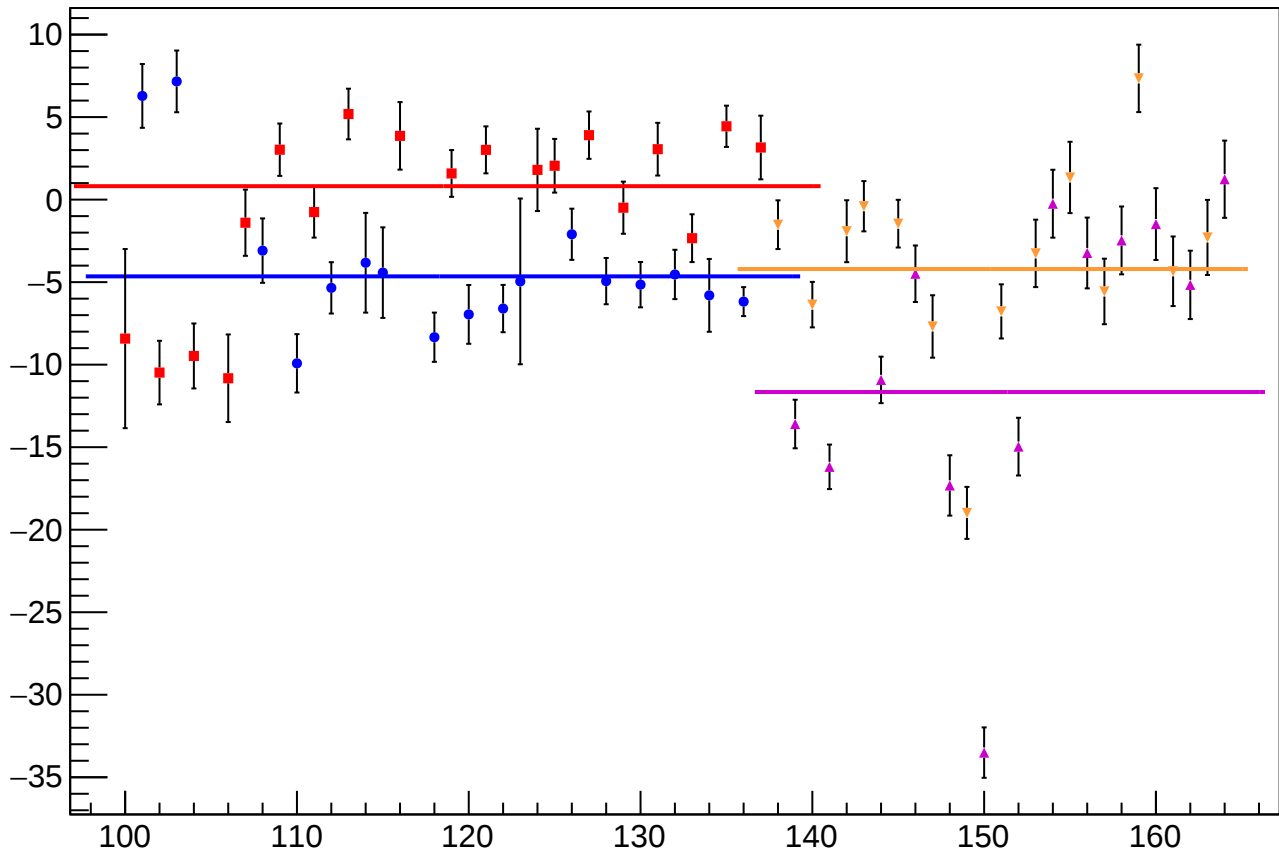
Left In: 2157.545+/-0.479 χ^2/NDF : 330485.6/12

+ sign 2374.896+/-0.457 χ^2/NDF : 7550130.5/30

All: 2399.443+/-0.326 χ^2/NDF : 15212686.2/6

- sign 2424.806+/-0.465 χ^2/NDF : 7656691.9/31

diff_bpm0l04Y_mean vs Slug



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

Left Out: -4.205 ± 0.466 χ^2/NDF : 150.9/13

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

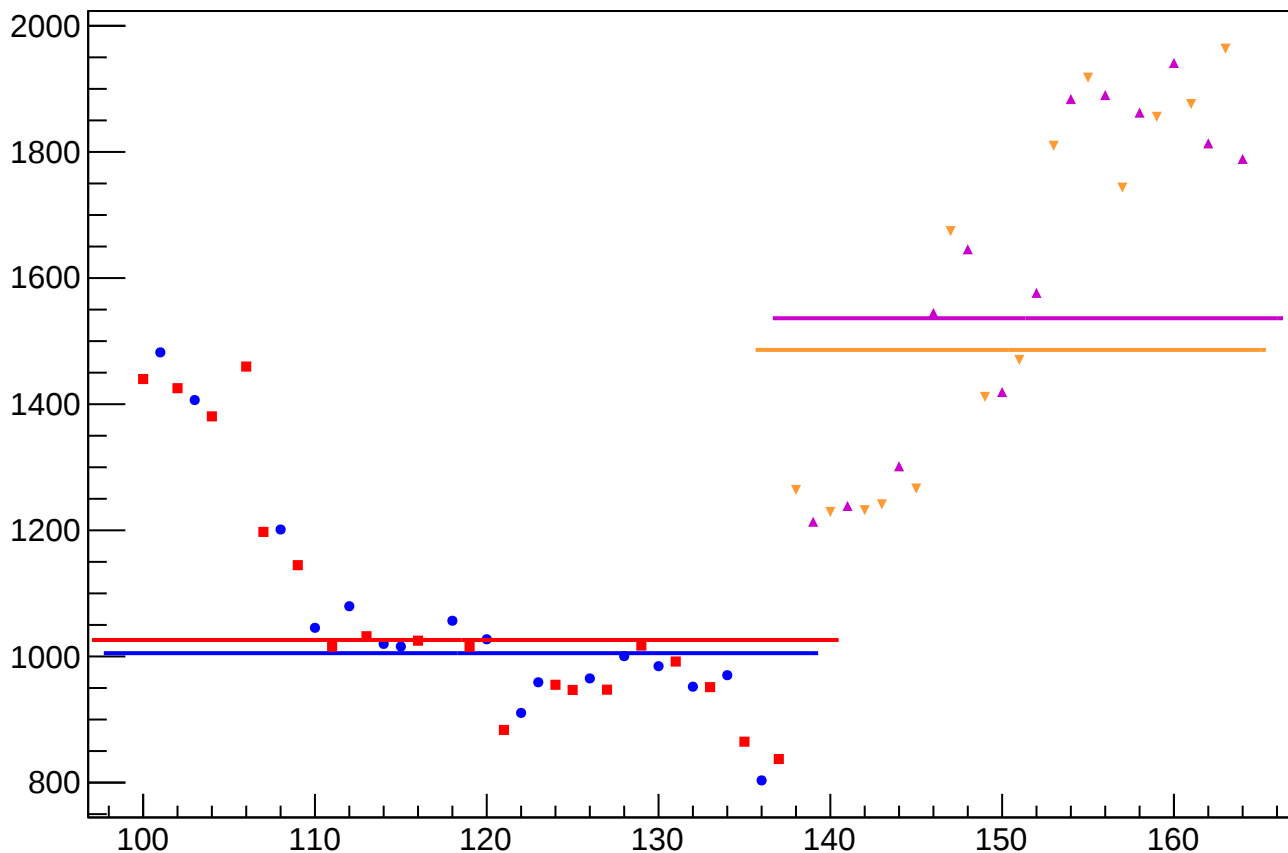
Left In: -11.657 ± 0.486 χ^2/NDF : 376.9/12

+ sign -4.466 ± 0.300 χ^2/NDF : 249.0/30

All: -4.258 ± 0.213 χ^2/NDF : 1152.1/62

- sign -4.046 ± 0.304 χ^2/NDF : 902.2/31

diff_bpm0l04Y_rms vs Slug



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

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

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

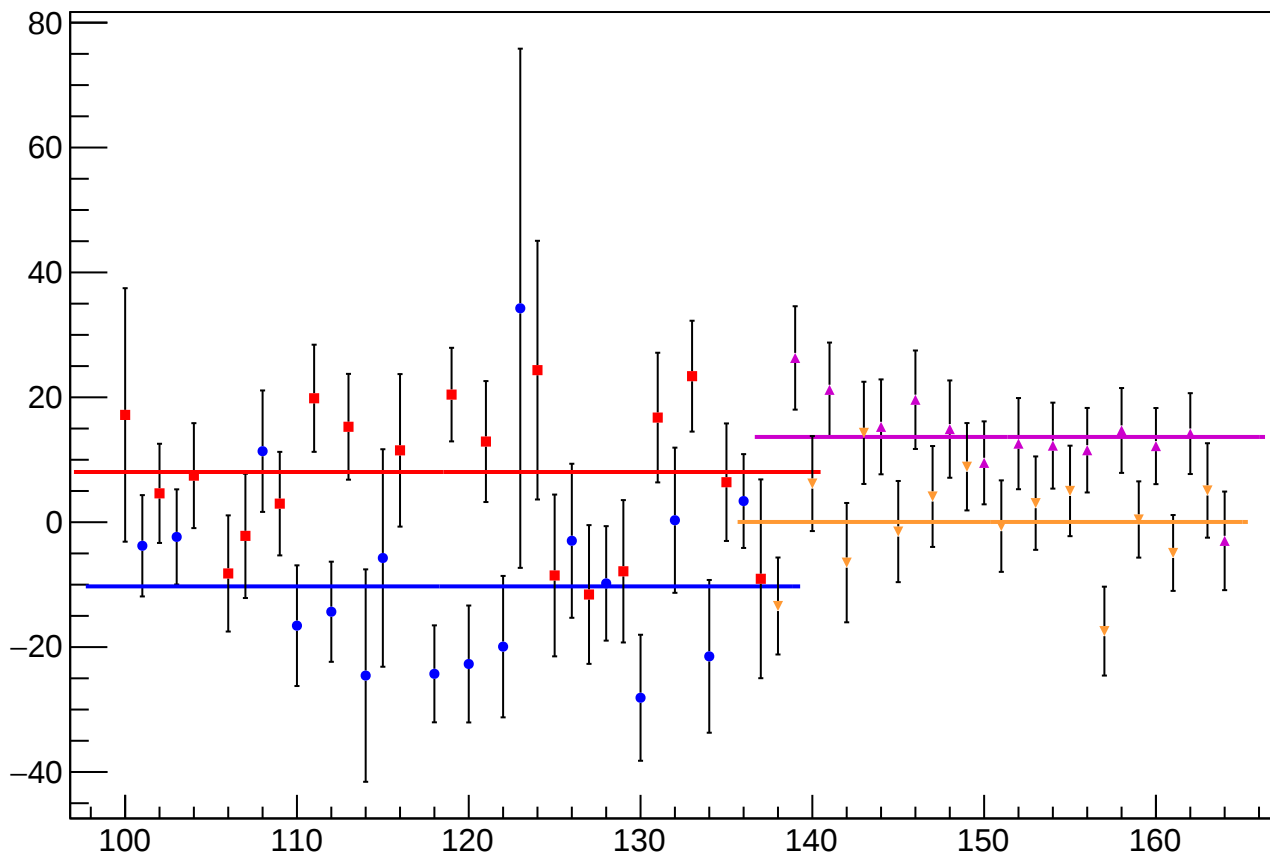
Left In: 1536.299+/-0.344 χ^2/NDF : 559539.4/12

+ sign 1204.693+/-0.212 χ^2/NDF : 2265900.9/30

All: 1214.717+/-0.151 χ^2/NDF : 4506885.3/62

- sign 1224.953+/-0.215 χ^2/NDF : 2236481.9/31

diff_bpm0l05X_mean vs Slug



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

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

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

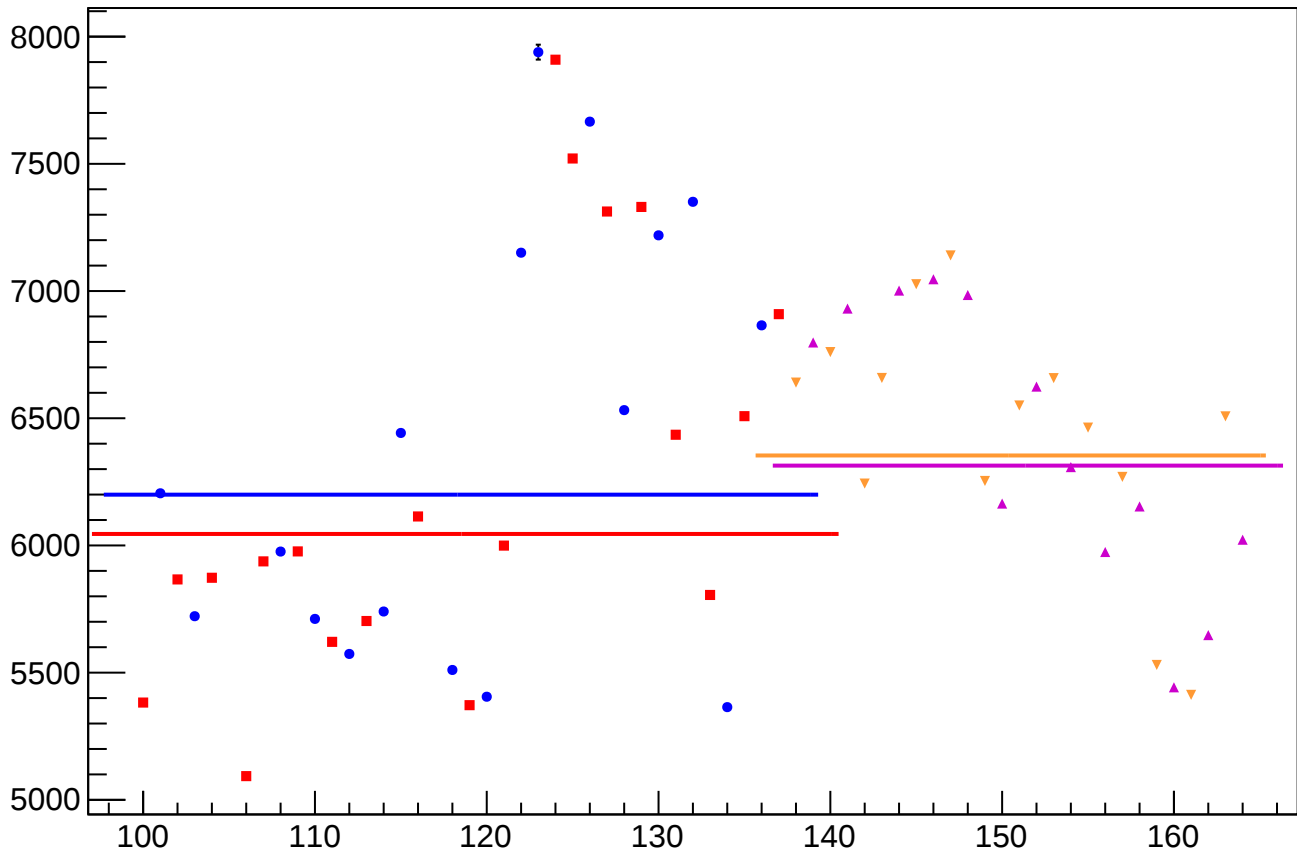
Left In: 13.655 ± 1.981 χ^2/NDF : 9.1/12

+ sign -4.099 ± 1.525 χ^2/NDF : 51.3/30

All: 3.722 ± 1.068 χ^2/NDF : 138.2/62

- sign 11.238 ± 1.495 χ^2/NDF : 35.3/31

diff_bpm0l05X_rms vs Slug



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

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

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

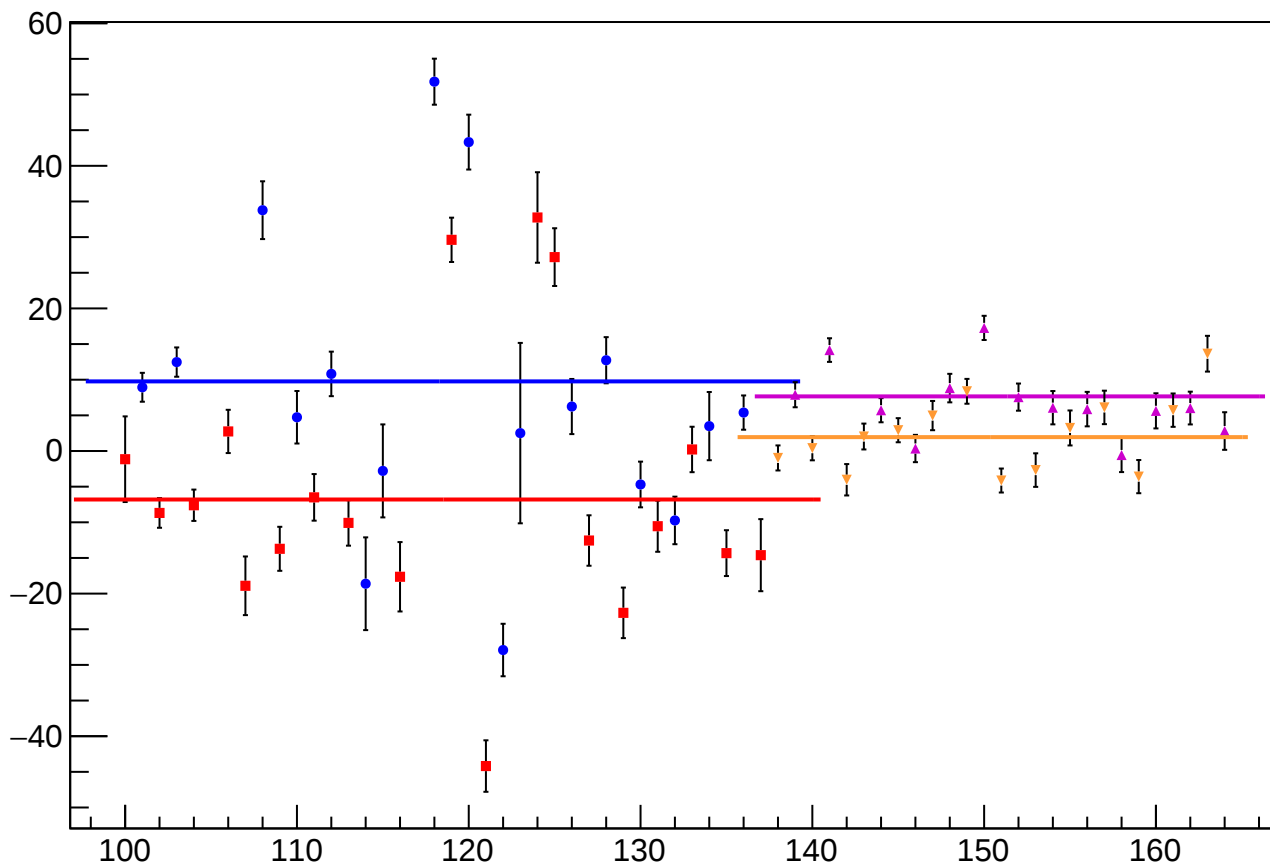
Left In: 6313.807 $\pm$ 1.401 χ^2 /NDF: 144183.7/12

+ sign 6291.861 $\pm$ 1.078 χ^2 /NDF: 311962.4/30

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

- sign 6198.142 $\pm$ 1.057 χ^2 /NDF: 318338.6/31

diff_bpm0l05Y_mean vs Slug



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

Left Out: 1.947 ± 0.534 χ^2/NDF : 77.5/13

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

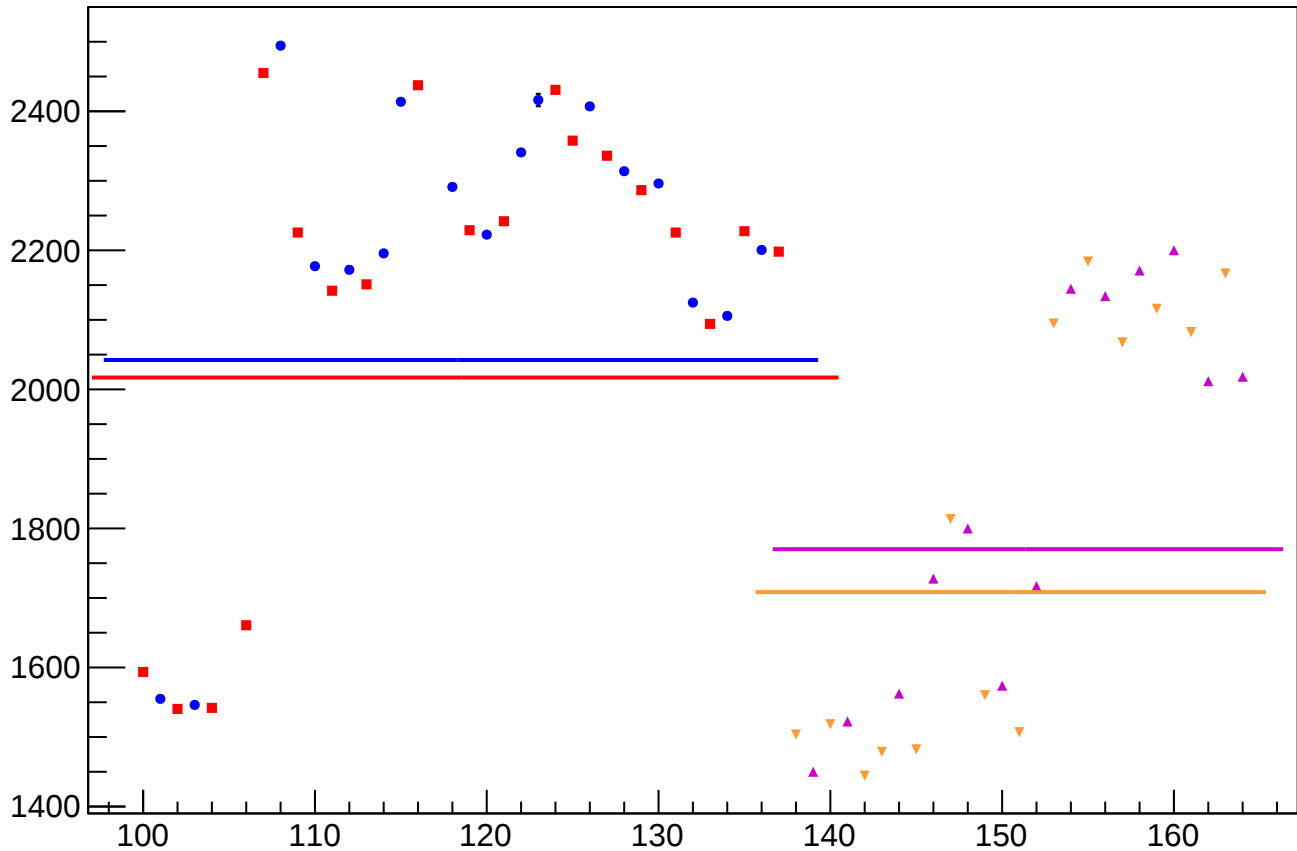
Left In: 7.661 ± 0.558 χ^2/NDF : 81.1/12

+ sign 4.371 ± 0.444 χ^2/NDF : 617.6/30

All: 3.516 ± 0.316 χ^2/NDF : 1361.4/62

- sign 2.634 ± 0.451 χ^2/NDF : 736.2/31

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1708.377+/-0.378 χ^2/NDF : 552127.6/13

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

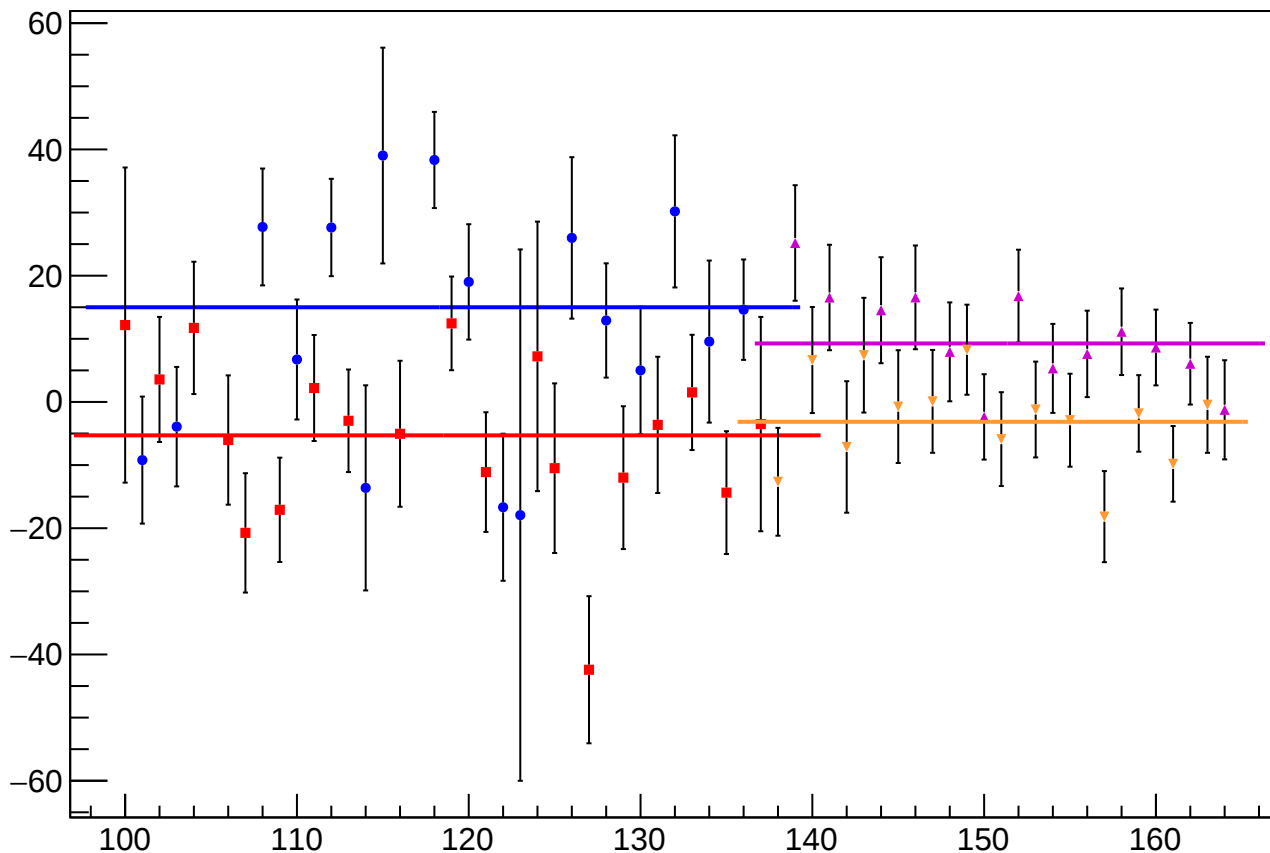
Left In: 1770.151+/-0.395 χ^2/NDF : 424471.0/12

+ sign 1811.914+/-0.314 χ^2/NDF : 1151210.1/30

All: 1833.588+/-0.224 χ^2/NDF : 2096978.8/62

- sign 1855.966+/-0.319 χ^2/NDF : 936070.6/31

diff_bpm0l06X_mean vs Slug



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

Left Out: -3.146 ± 2.033 $\chi^2/\text{NDF}: 12.8/13$

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

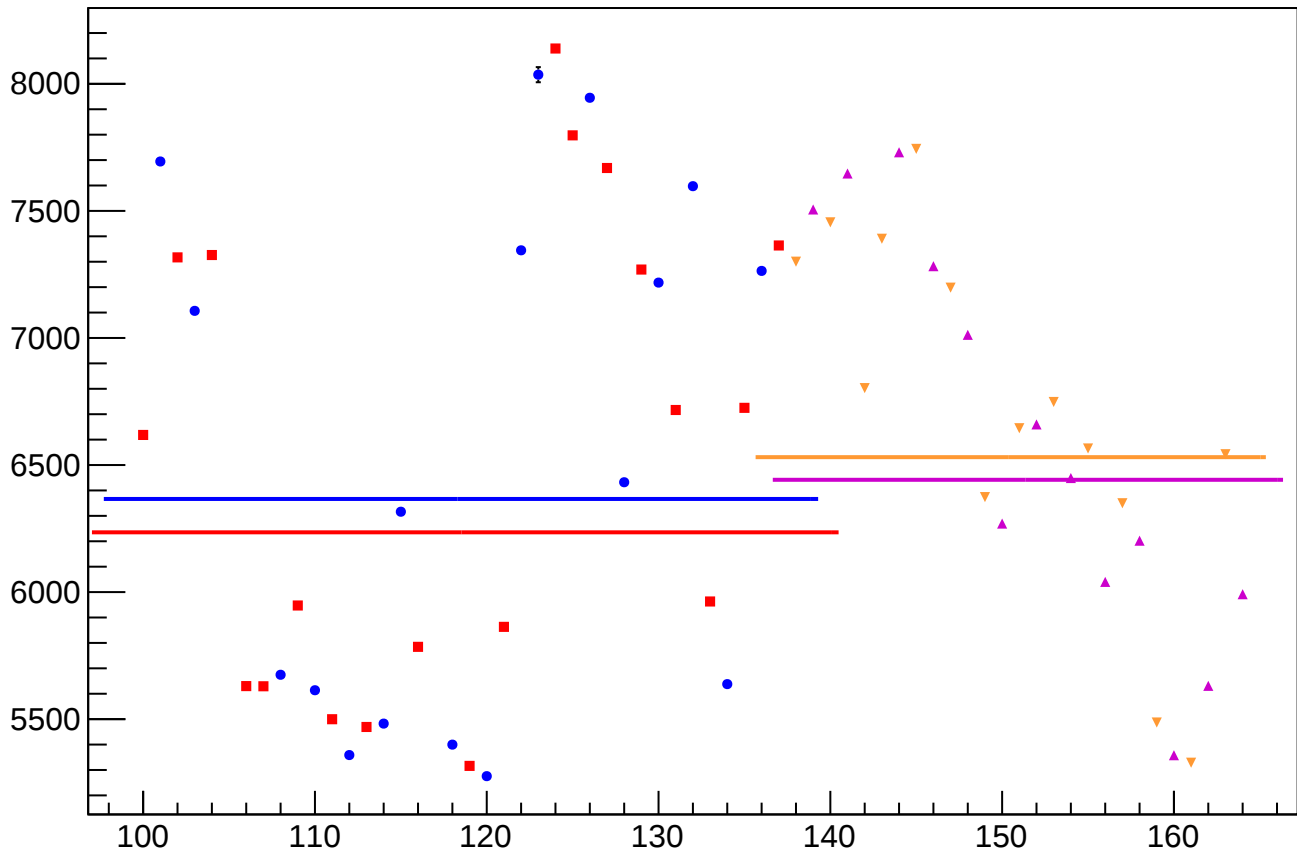
Left In: 9.264 ± 2.030 $\chi^2/\text{NDF}: 11.5/12$

+ sign 4.128 ± 1.574 $\chi^2/\text{NDF}: 86.1/30$

All: 3.584 ± 1.100 $\chi^2/\text{NDF}: 147.8/62$

- sign 3.065 ± 1.538 $\chi^2/\text{NDF}: 61.5/31$

diff_bpm0l06X_rms vs Slug



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

Left Out: 6530.967+/-1.438 χ^2/NDF : 254249.7/13

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

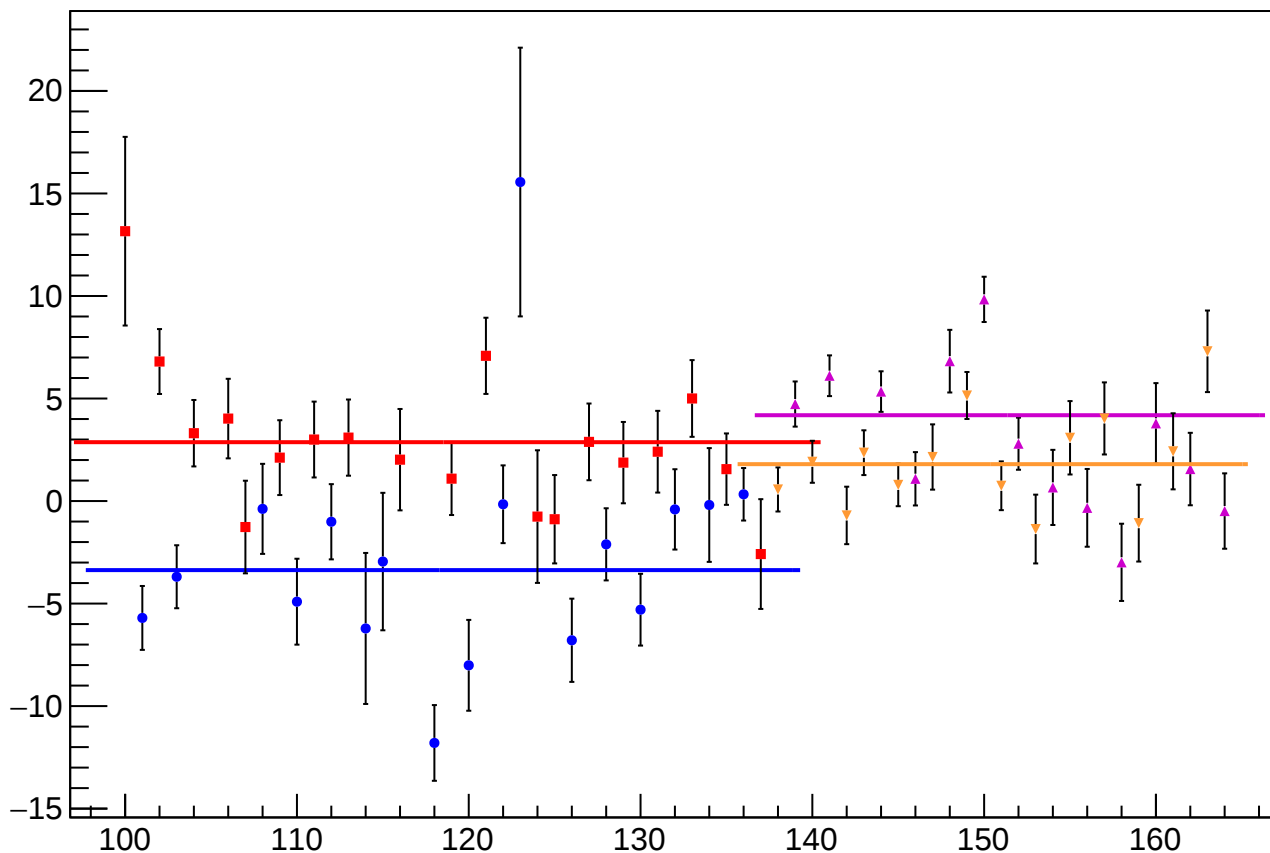
Left In: 6441.904+/-1.436 χ^2/NDF : 262939.5/12

+ sign 6465.026+/-1.113 χ^2/NDF : 545991.9/30

All: 6408.187+/-0.778 χ^2/NDF : 1066068.3/62

- sign 6353.864+/-1.088 χ^2/NDF : 514973.4/31

diff_bpm0l06Y_mean vs Slug



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

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

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

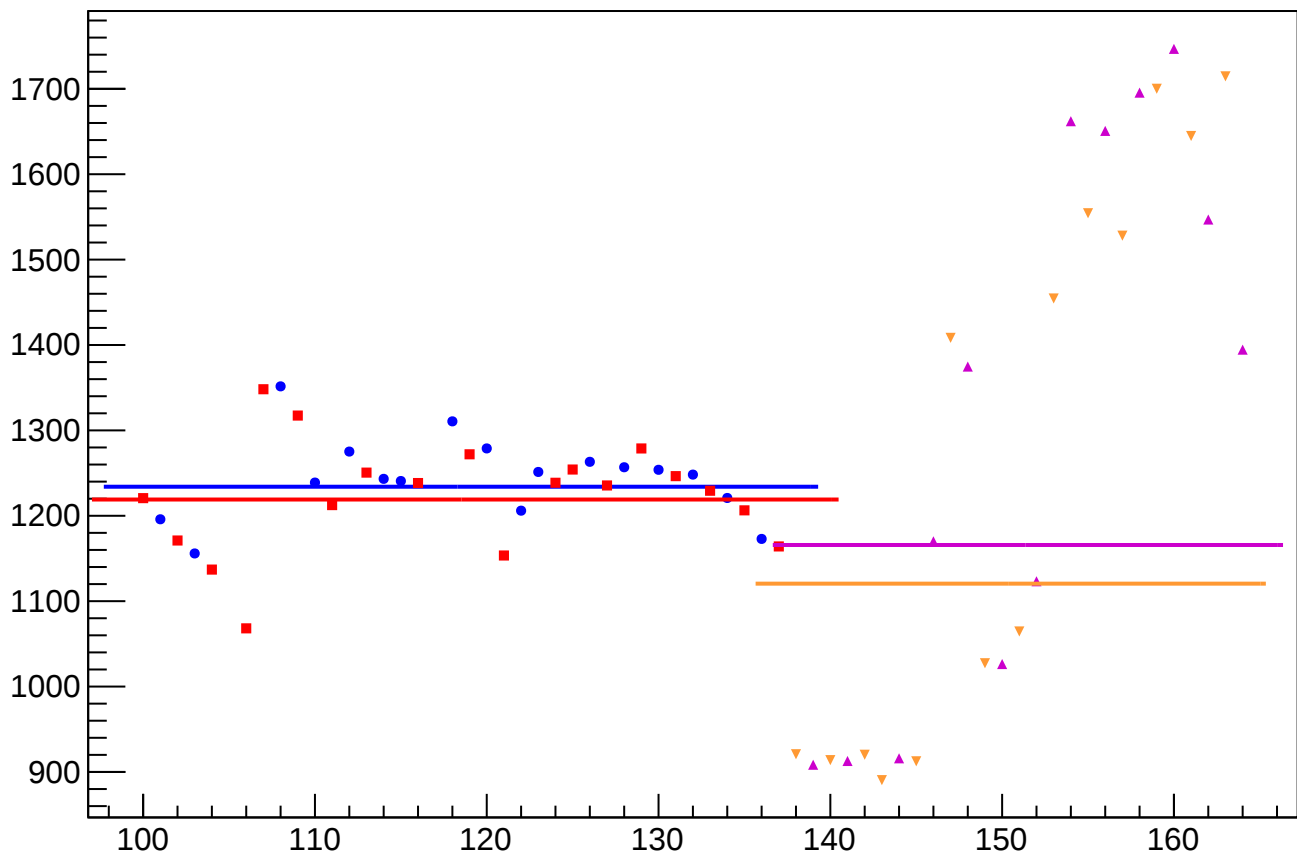
Left In: 4.186 ± 0.377 χ^2/NDF : 74.0/12

+ sign -0.075 ± 0.286 χ^2/NDF : 166.0/30

All: 1.763 ± 0.204 χ^2/NDF : 360.6/62

- sign 3.653 ± 0.290 χ^2/NDF : 111.0/31

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1120.517 $\pm$ 0.254 χ^2 /NDF: 1277304.7/13

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

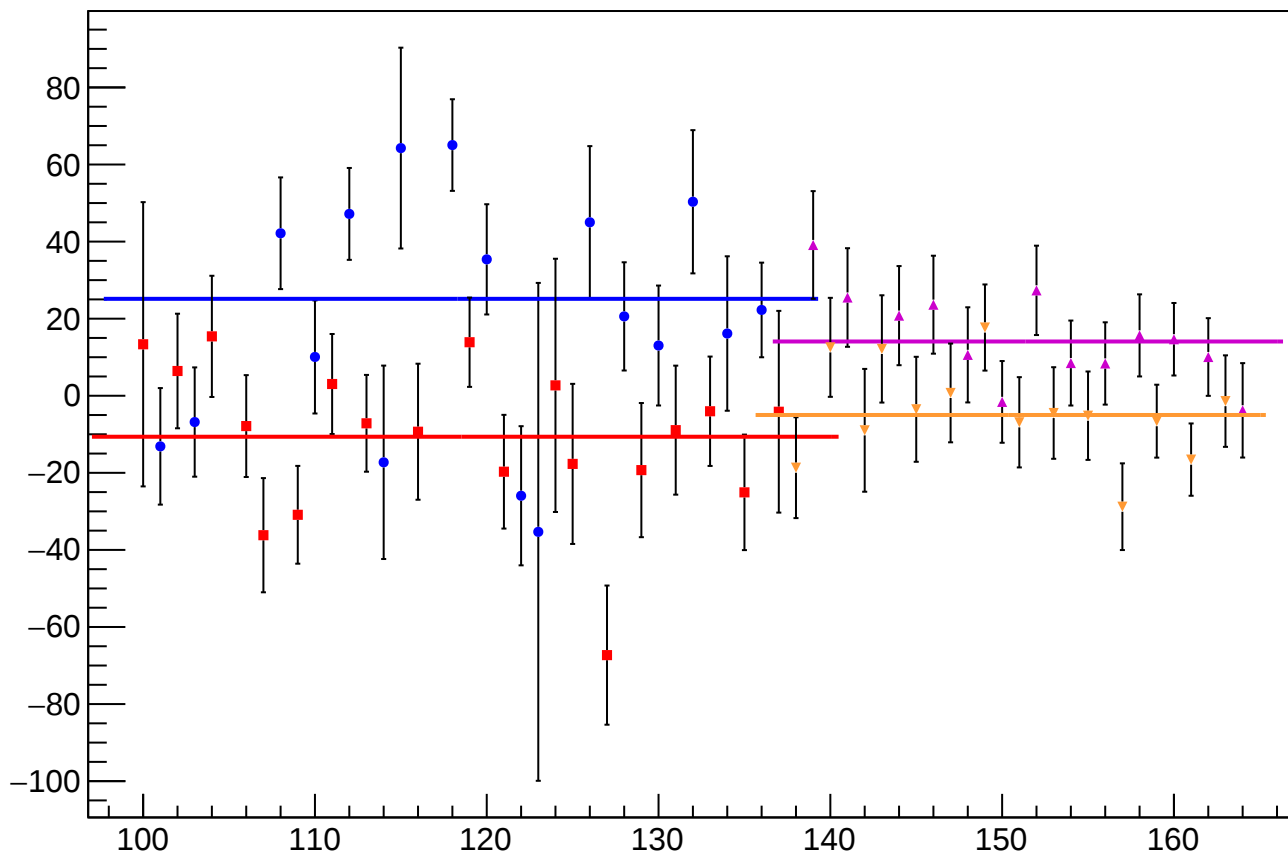
Left In: 1165.792 $\pm$ 0.266 χ^2 /NDF: 1173249.2/12

+ sign 1161.682 $\pm$ 0.202 χ^2 /NDF: 1373509.2/30

All: 1174.338 $\pm$ 0.144 χ^2 /NDF: 2611252.8/62

- sign 1187.356 $\pm$ 0.205 χ^2 /NDF: 1229819.3/31

diff_bpm0l07X_mean vs Slug



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

Left Out: -4.990 ± 3.162 $\chi^2/\text{NDF}: 15.0/13$

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

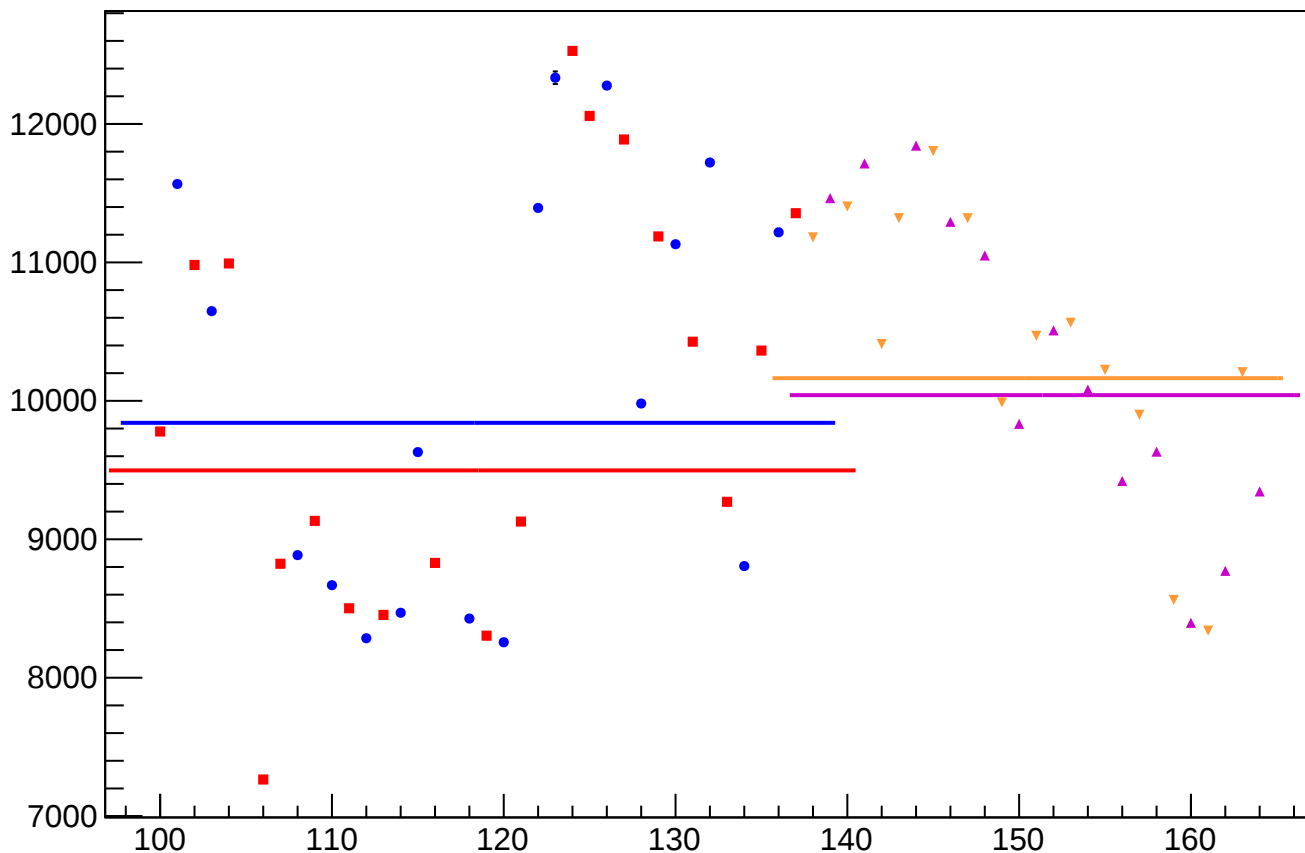
Left In: 14.078 ± 3.163 $\chi^2/\text{NDF}: 11.3/12$

+ sign 7.199 ± 2.440 $\chi^2/\text{NDF}: 98.7/30$

All: 5.194 ± 1.702 $\chi^2/\text{NDF}: 165.6/62$

- sign 3.296 ± 2.374 $\chi^2/\text{NDF}: 65.6/31$

diff_bpm0l07X_rms vs Slug



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

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

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

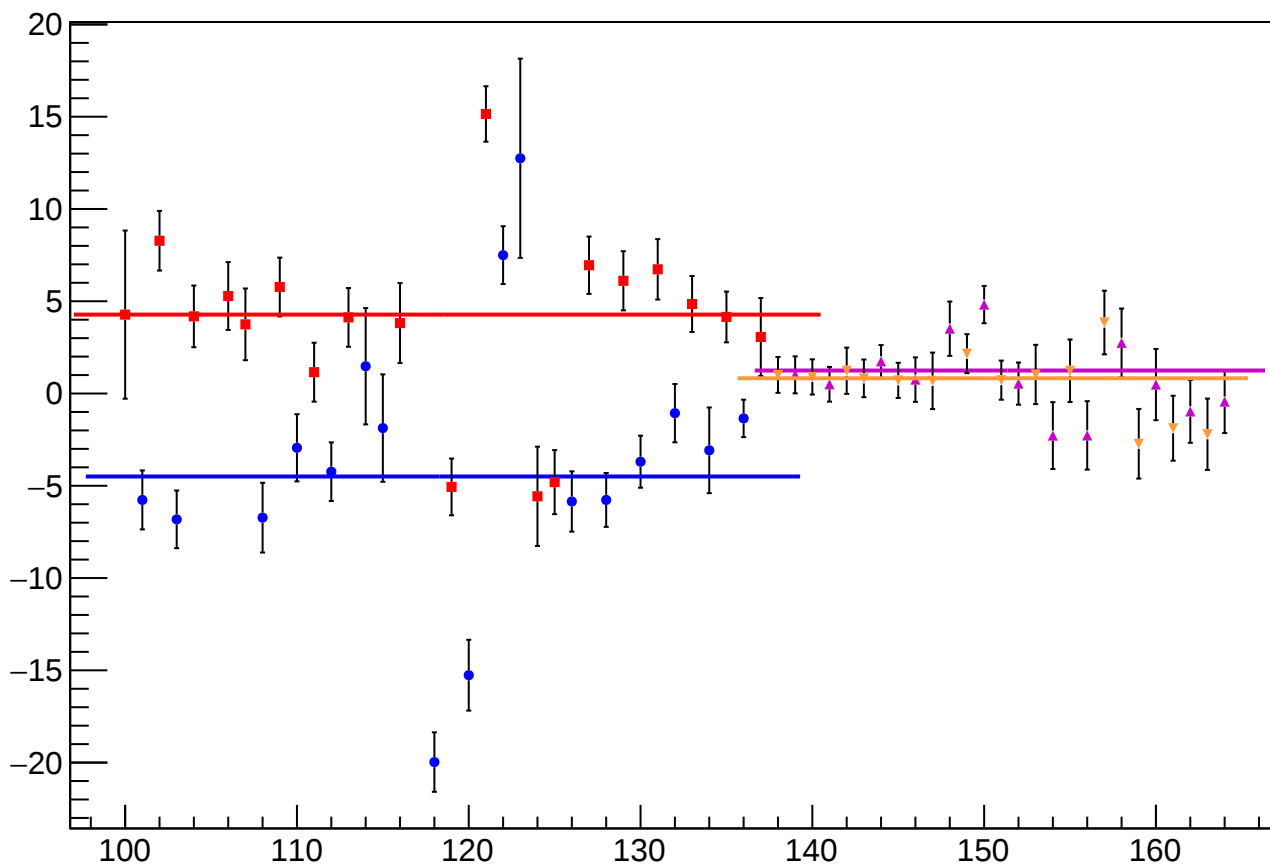
Left In: 10041.180+/-2.236 χ^2/NDF : 240024.3/12

+ sign 10033.285+/-1.726 χ^2/NDF : 497009.2/30

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

- sign 9803.962+/-1.679 χ^2/NDF : 542515.6/31

diff_bpm0l07Y_mean vs Slug



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

Left Out: 0.826 ± 0.333 χ^2/NDF : 13.3/13

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

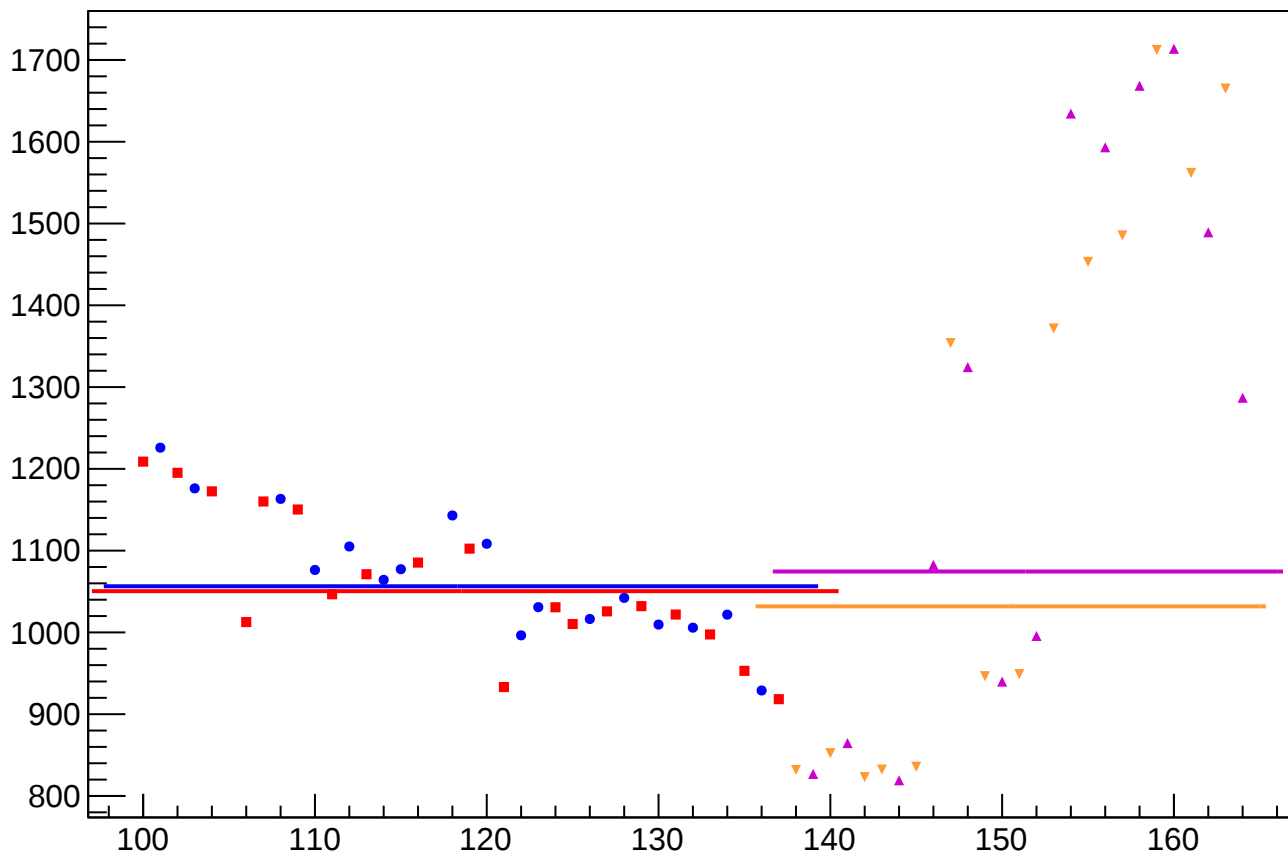
Left In: 1.247 ± 0.350 χ^2/NDF : 27.3/12

+ sign -1.302 ± 0.258 χ^2/NDF : 333.8/30

All: 0.614 ± 0.184 χ^2/NDF : 654.1/62

- sign 2.586 ± 0.262 χ^2/NDF : 208.6/31

diff_bpm0l07Y_rms vs Slug



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

Left Out: 1031.861 $\pm$ 0.236 χ^2 /NDF:1493808.2/13

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

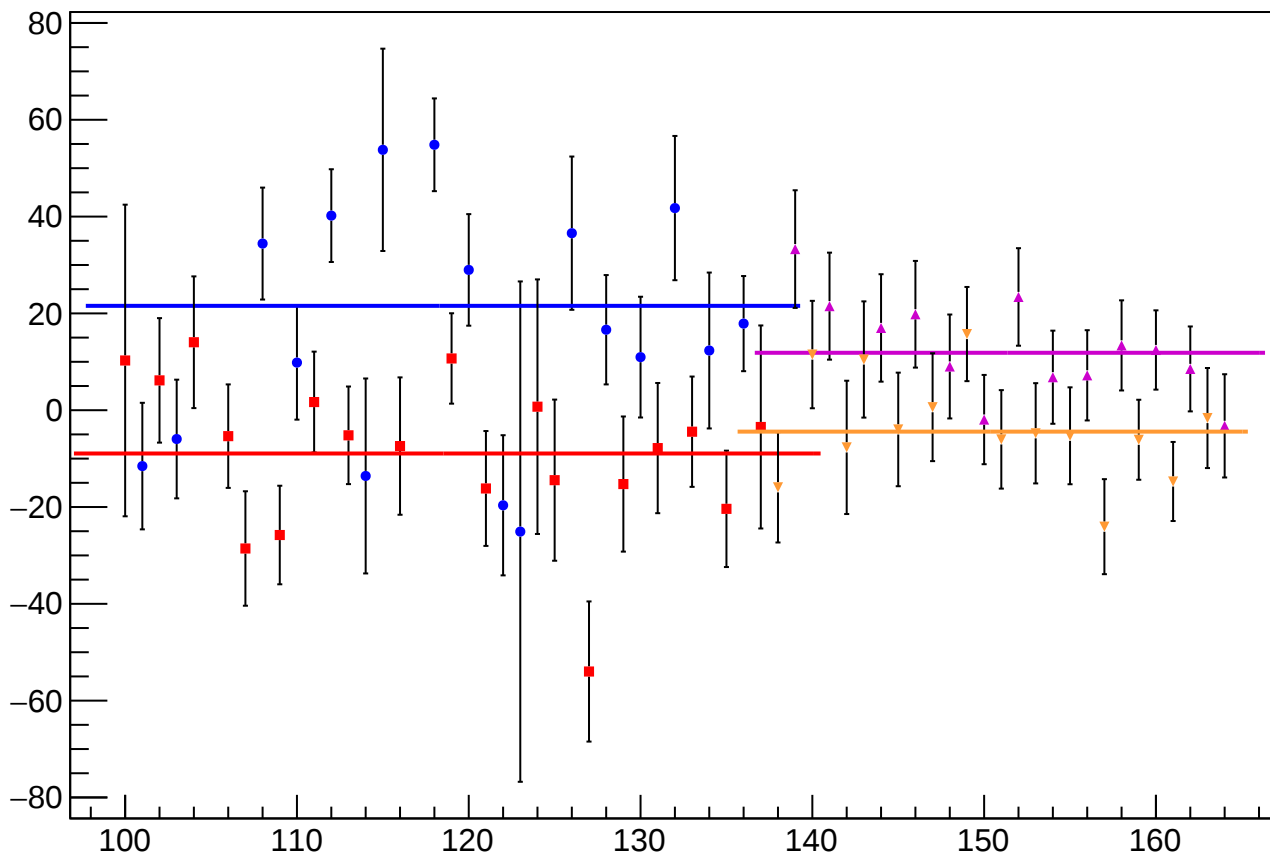
Left In: 1074.477 $\pm$ 0.248 χ^2 /NDF:1411643.3/12

+ sign 1041.684 $\pm$ 0.182 χ^2 /NDF: 1588933.3/30

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

- sign 1063.857 $\pm$ 0.185 χ^2 /NDF: 1498195.3/31

diff_bpm0l08X_mean vs Slug



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

Left Out: -4.424 $\pm$ 2.750 χ^2 /NDF:14.9/13

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

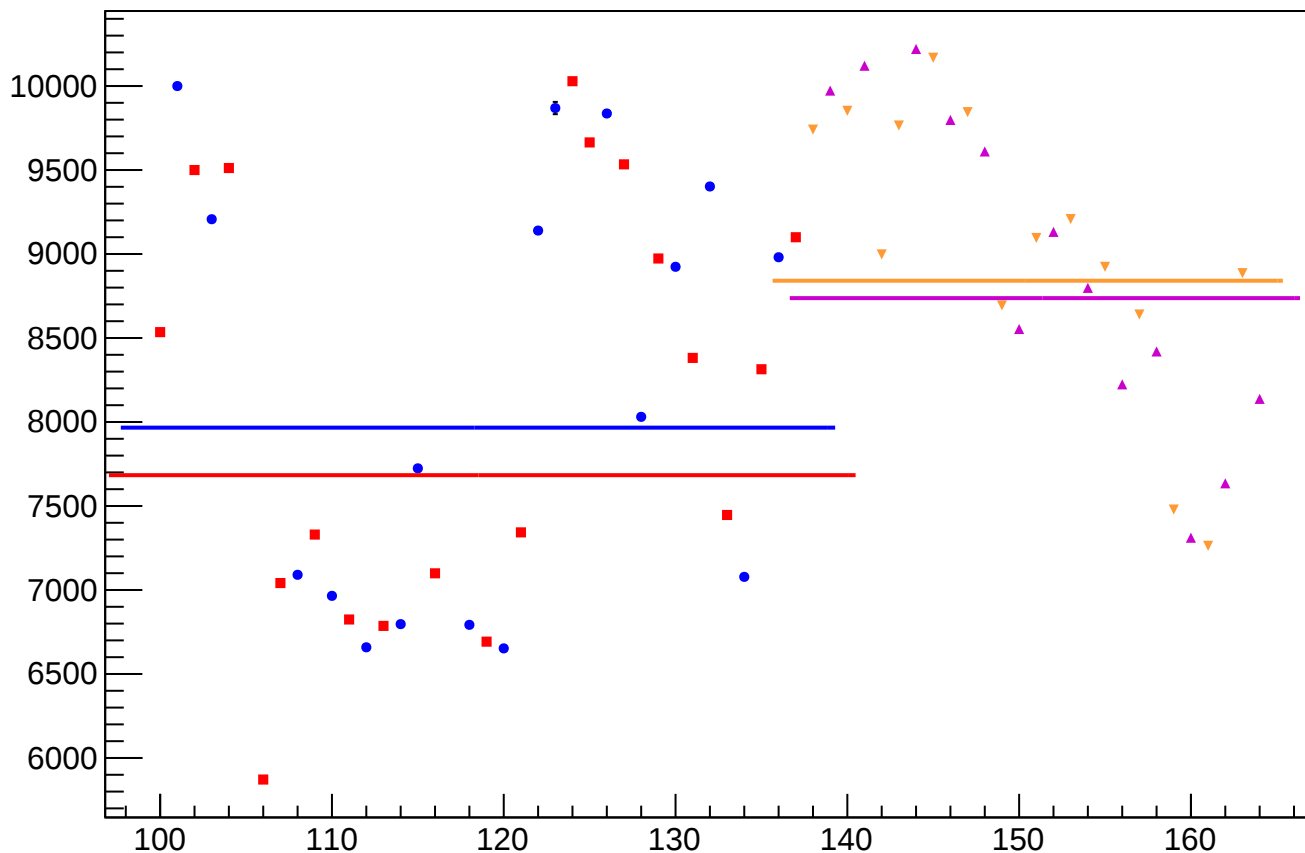
Left In: 11.864 $\pm$ 2.751 χ^2 /NDF:10.9/12

+ sign 6.976 $\pm$ 2.060 χ^2 /NDF: 102.5/30

All: 4.440 $\pm$ 1.435 χ^2 /NDF: 170.8/62

- sign 2.051 $\pm$ 2.000 χ^2 /NDF: 65.3/31

diff_bpm0l08X_rms vs Slug



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

Left Out: 8840.944 $\pm$ 1.944 χ^2 /NDF: 217230.7/13

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

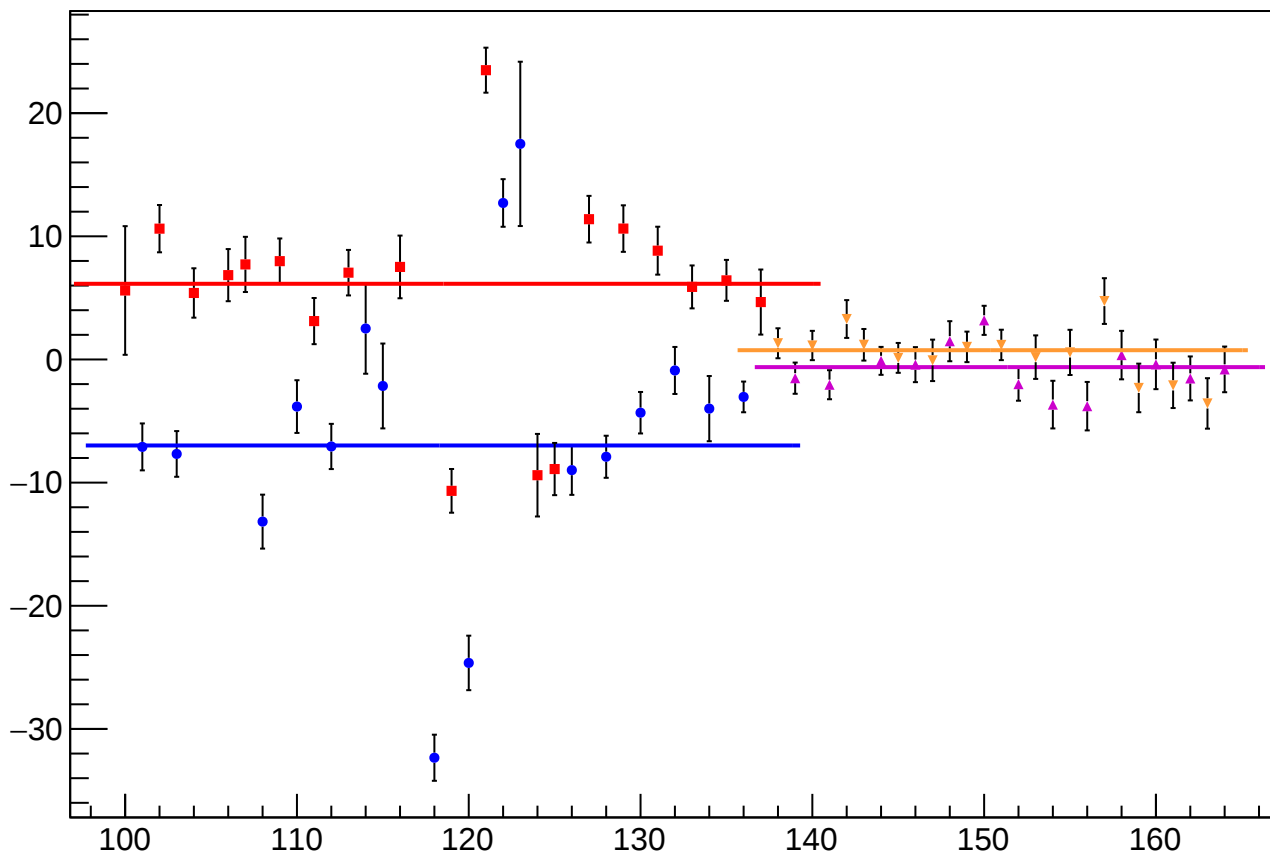
Left In: 8737.390 $\pm$ 1.945 χ^2 /NDF: 230337.8/12

+ sign 8457.287 $\pm$ 1.457 χ^2 /NDF: 602591.5/30

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

- sign 8240.361 $\pm$ 1.414 χ^2 /NDF: 683809.0/31

diff_bpm0l08Y_mean vs Slug



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

Left Out: 0.752±0.394 χ^2/NDF : 17.8/13

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

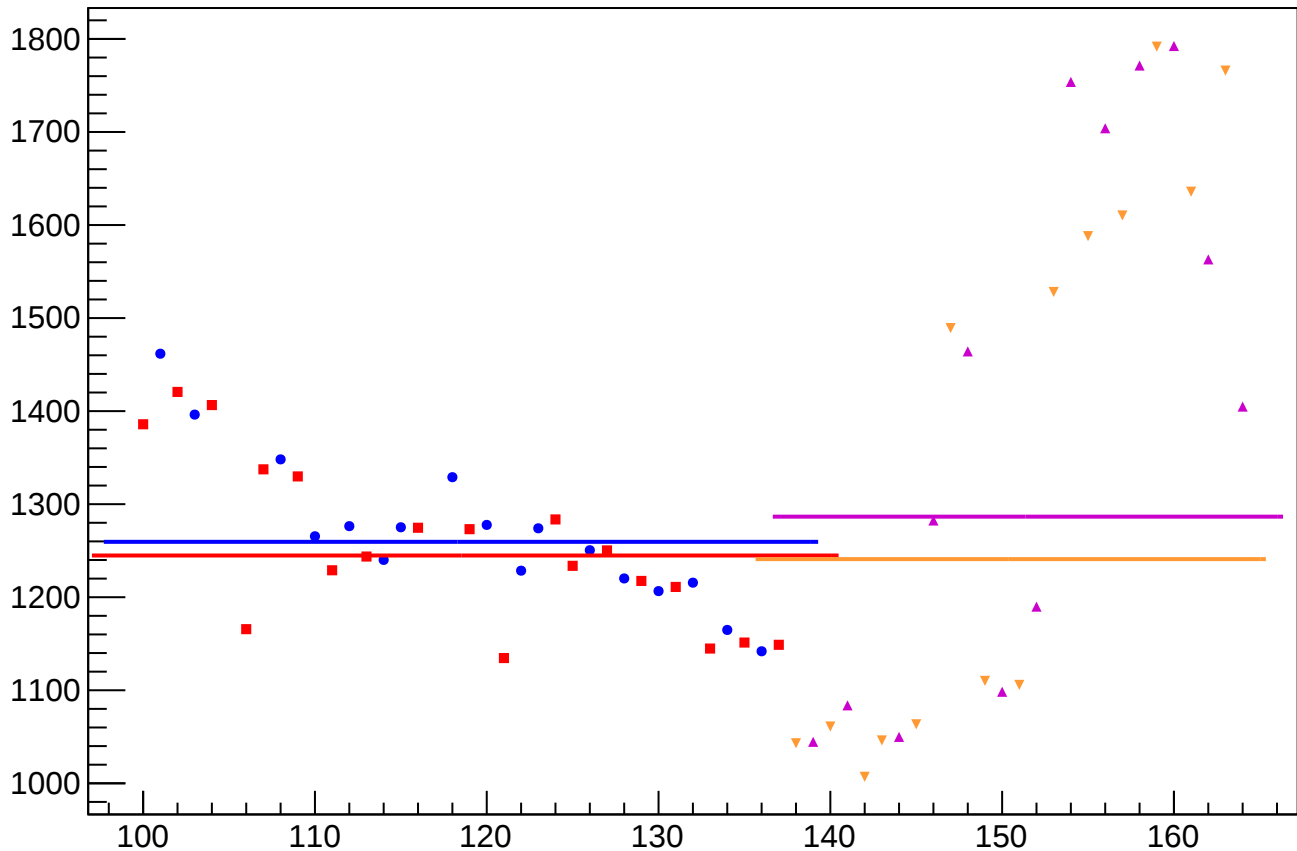
Left In: -0.622±0.412 χ^2/NDF : 20.9/12

+ sign -2.312±0.306 χ^2/NDF : 579.3/30

All: -0.007±0.217 χ^2/NDF : 1110.4/62

- sign 2.342±0.309 χ^2/NDF : 416.5/31

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1240.949 $\pm$ 0.278 χ^2 /NDF: 906697.1/13

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

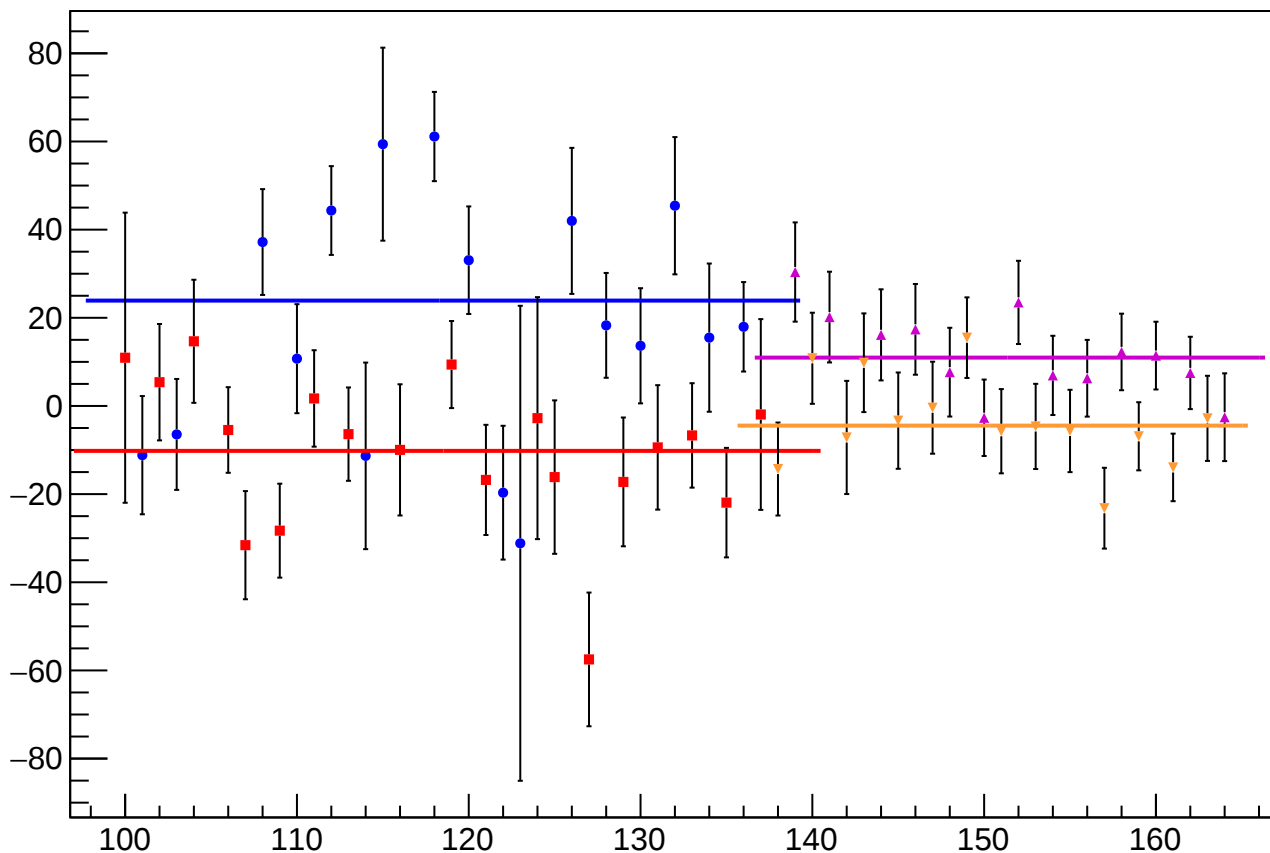
Left In: 1286.594 $\pm$ 0.291 χ^2 /NDF: 814197.7/12

+ sign 1248.308 $\pm$ 0.216 χ^2 /NDF: 973306.1/30

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

- sign 1268.307 $\pm$ 0.218 χ^2 /NDF: 890024.3/31

diff_bpm0l09X_mean vs Slug



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

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

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

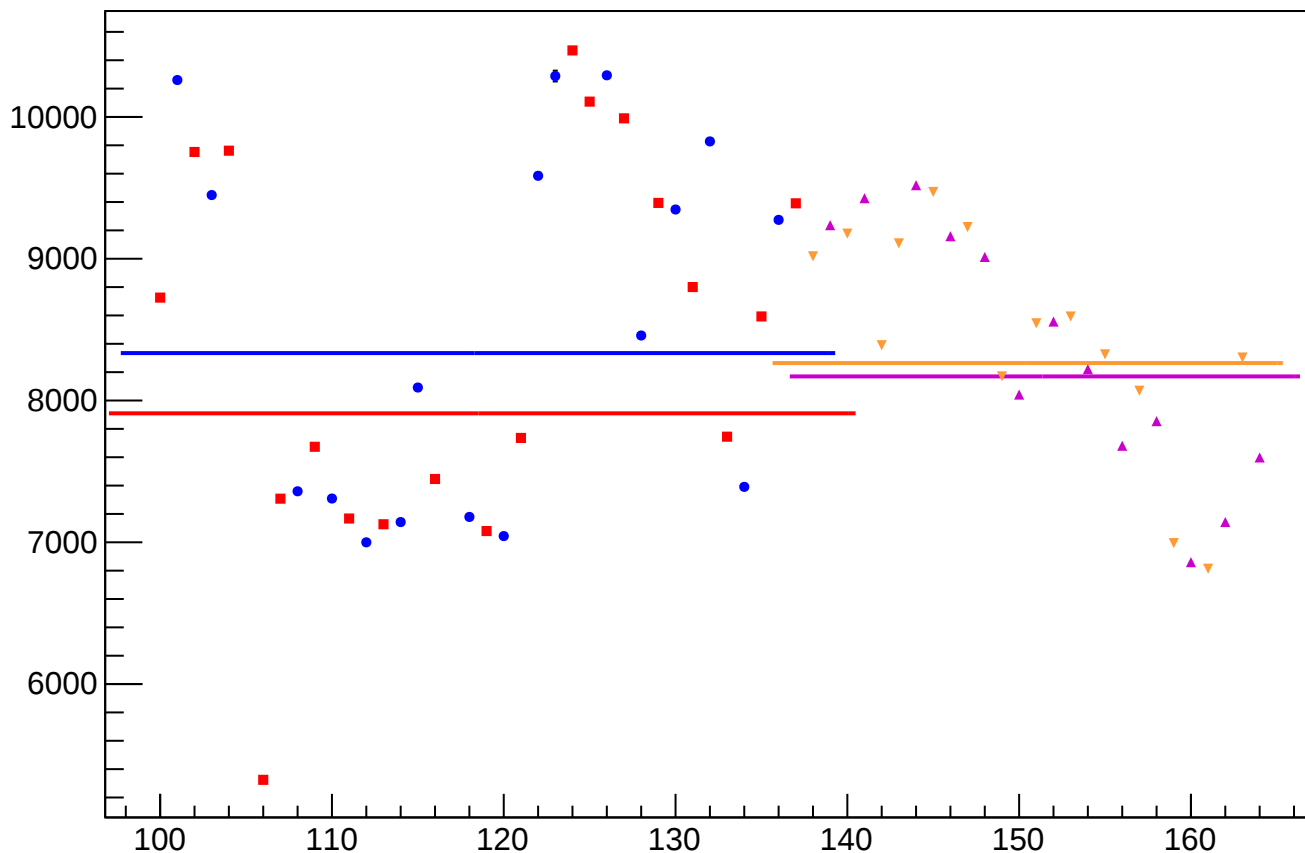
Left In: 10.969 $\pm$ 2.572 χ^2 /NDF:11.3/12

+ sign 6.451 $\pm$ 2.016 χ^2 /NDF: 114.8/30

All: 4.169 $\pm$ 1.403 χ^2 /NDF: 185.1/62

- sign 2.026 $\pm$ 1.954 χ^2 /NDF: 67.8/31

diff_bpm0l09X_rms vs Slug



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

Left Out: 8264.299 $\pm$ 1.817 χ^2 /NDF: 209611.7/13

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

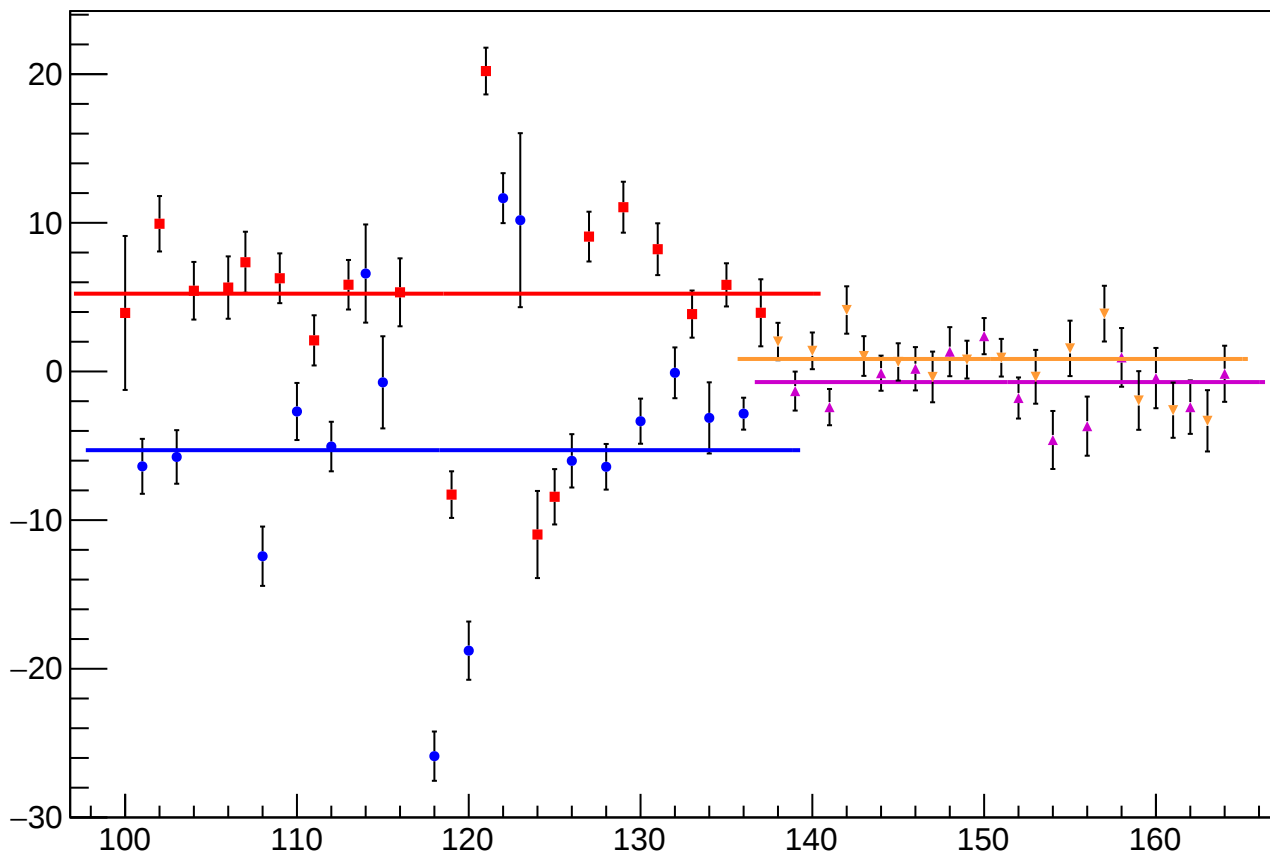
Left In: 8169.981 $\pm$ 1.818 χ^2 /NDF: 223124.5/12

+ sign 8291.301 $\pm$ 1.425 χ^2 /NDF: 482488.4/30

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

- sign 8059.938 $\pm$ 1.382 χ^2 /NDF: 622608.6/31

diff_bpm0l09Y_mean vs Slug



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

Left Out: 0.841 ± 0.404 χ^2/NDF : 18.6/13

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

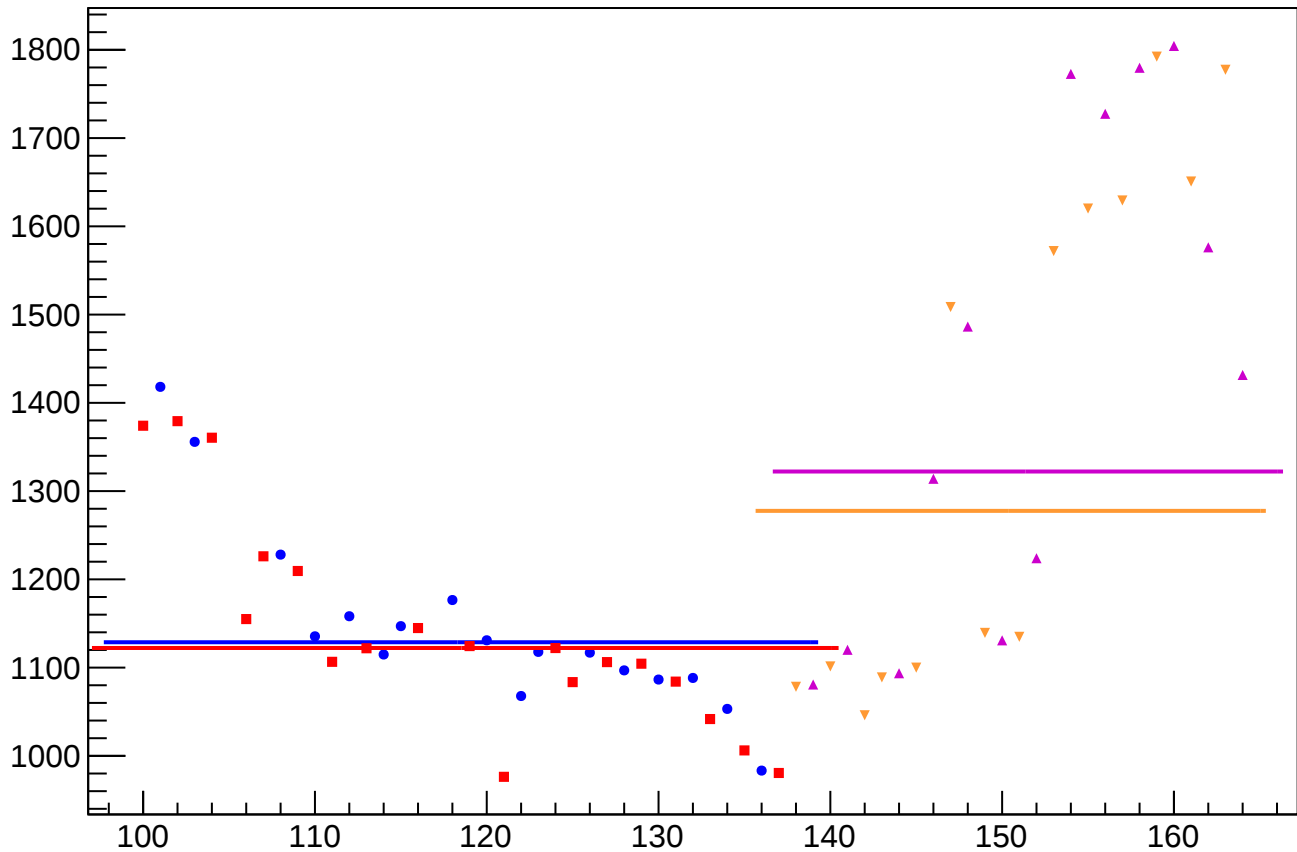
Left In: -0.714 ± 0.422 χ^2/NDF : 19.2/12

+ sign -1.989 ± 0.297 χ^2/NDF : 483.1/30

All: 0.125 ± 0.210 χ^2/NDF : 985.7/62

- sign 2.263 ± 0.298 χ^2/NDF : 400.5/31

diff_bpm0l09Y_rms vs Slug



Right In: 1128.740+/-0.309 χ^2/NDF : 133096.9/16

Left Out: 1277.605+/-0.286 χ^2/NDF : 824074.4/13

Right Out: 1122.238+/-0.298 χ^2/NDF : 129601.6/18

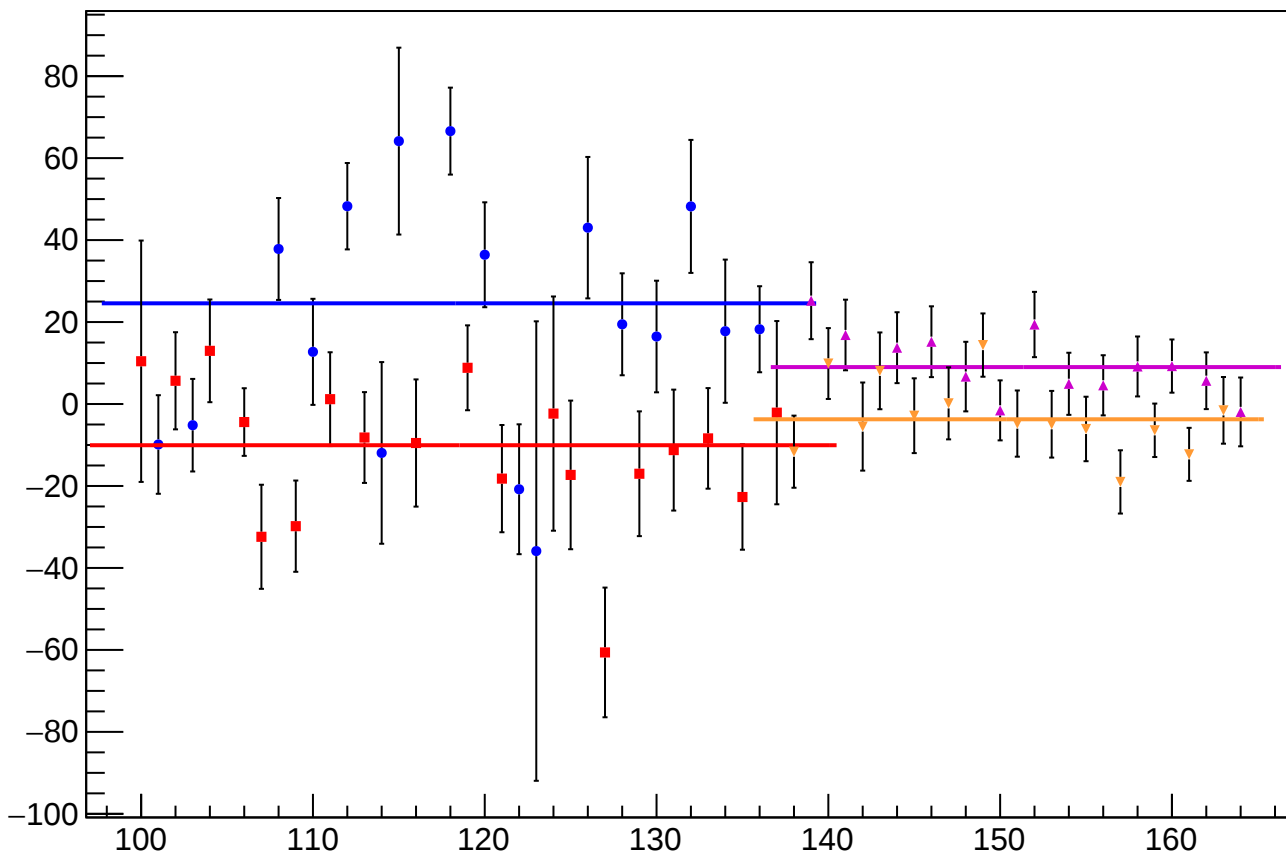
Left In: 1322.190+/-0.298 χ^2/NDF : 733590.7/12

+ sign 1208.953+/-0.210 χ^2/NDF : 1082318.6/30

All: 1215.493+/-0.149 χ^2/NDF : 2172101.4/62

- sign 1222.107+/-0.211 χ^2/NDF : 1087827.6/31

diff_bpm0l10X_mean vs Slug



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

Left Out: -3.727 ± 2.162 $\chi^2/\text{NDF}: 16.6/13$

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

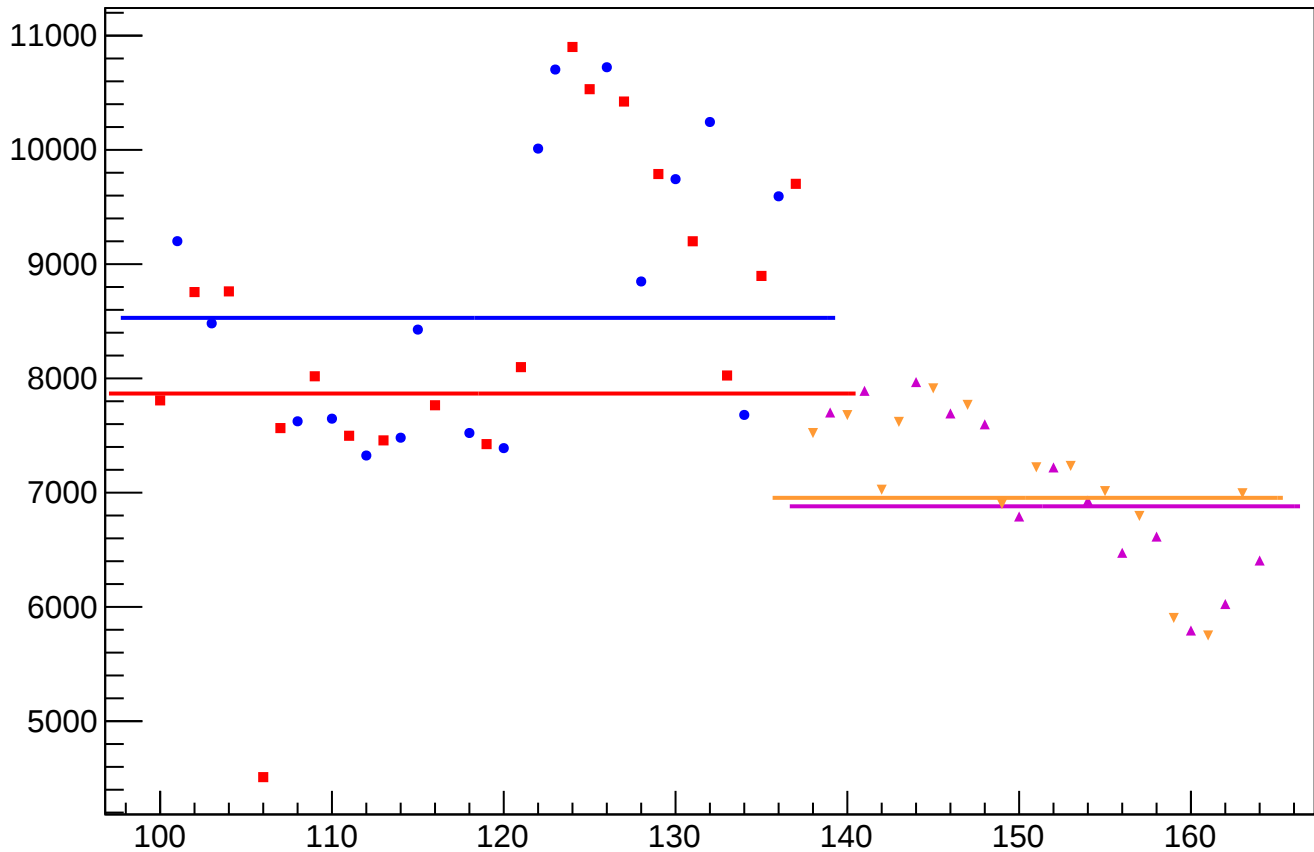
Left In: 9.011 ± 2.165 $\chi^2/\text{NDF}: 11.1/12$

+ sign 4.704 ± 1.811 $\chi^2/\text{NDF}: 125.8/30$

All: 3.570 ± 1.261 $\chi^2/\text{NDF}: 192.9/62$

- sign 2.503 ± 1.757 $\chi^2/\text{NDF}: 66.3/31$

diff_bpm0l10X_rms vs Slug



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

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

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

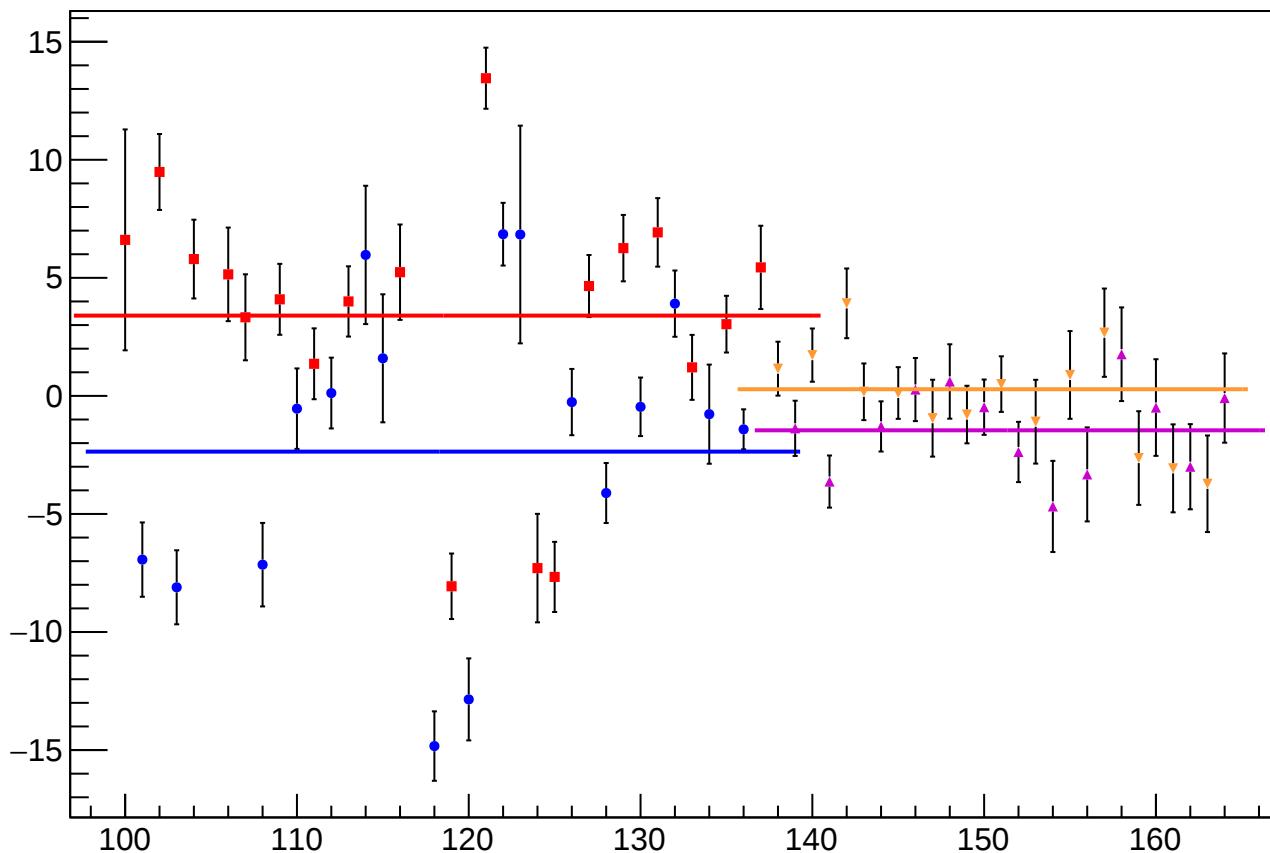
Left In: 6880.562+/-1.531 χ^2/NDF :212249.7/12

+ sign 7424.012+/-1.281 χ^2/NDF : 723386.3/30

All: 7317.578+/-0.892 χ^2/NDF : 1646761.8/62

- sign 7217.425+/-1.242 χ^2/NDF : 909972.1/31

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.282 ± 0.378 χ^2/NDF : 21.3/13

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

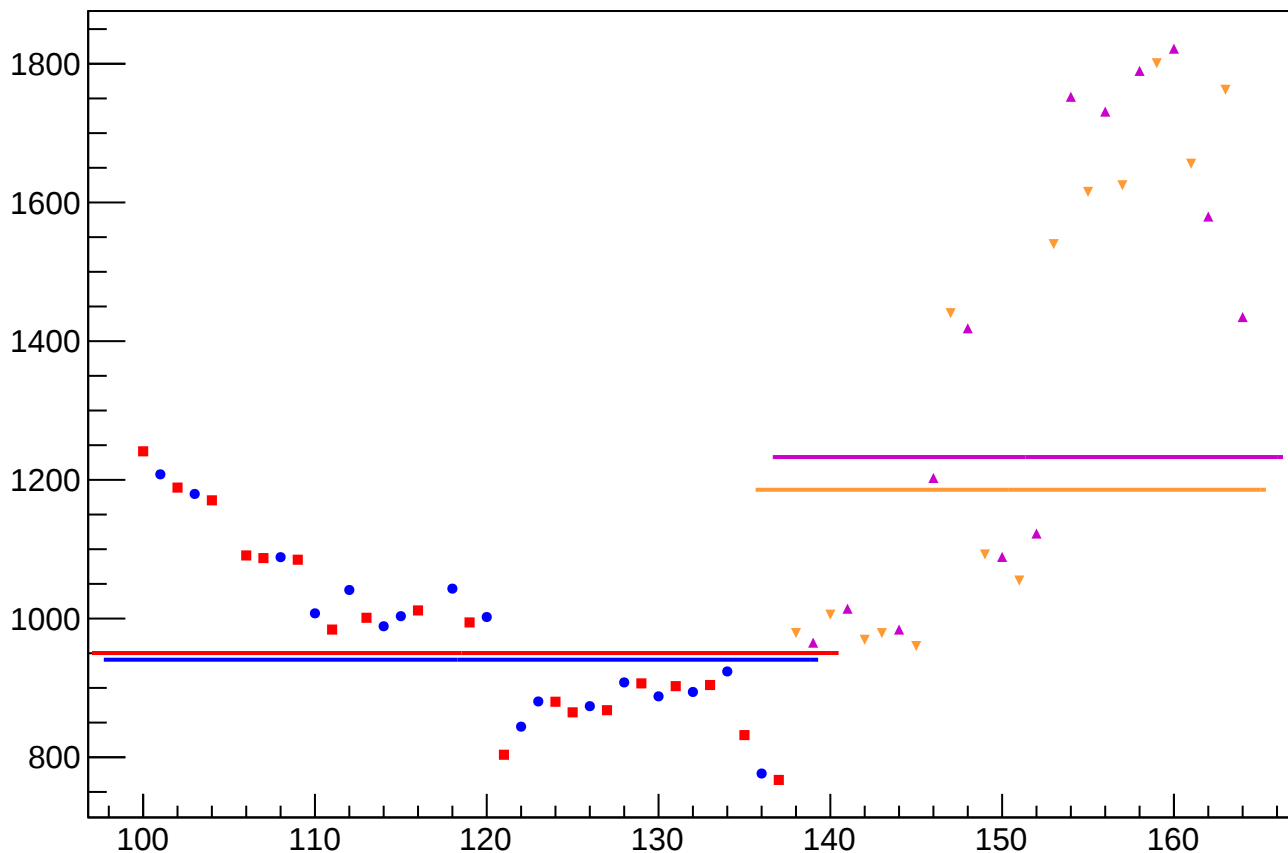
Left In: -1.458 ± 0.397 χ^2/NDF : 16.3/12

+ sign -1.084 ± 0.263 χ^2/NDF : 278.5/30

All: 0.055 ± 0.187 χ^2/NDF : 656.8/62

- sign 1.221 ± 0.266 χ^2/NDF : 340.3/31

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1185.767 $\pm$ 0.268 χ^2 /NDF:1164561.1/13

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

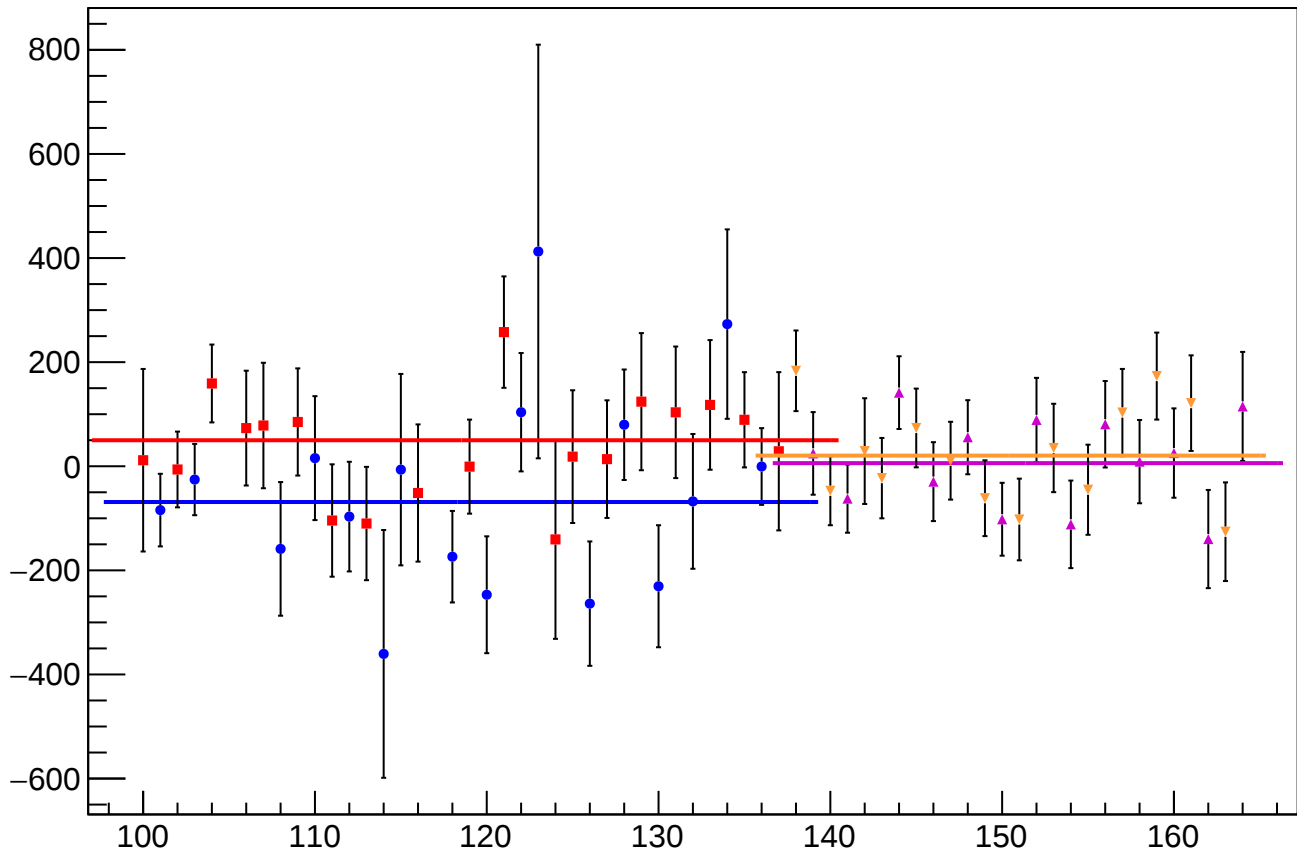
Left In: 1232.919 $\pm$ 0.281 χ^2 /NDF:1056592.5/12

+ sign 1059.020 $\pm$ 0.186 χ^2 /NDF: 1840414.6/30

All: 1067.958 $\pm$ 0.132 χ^2 /NDF: 3680905.5/62

- sign 1077.107 $\pm$ 0.188 χ^2 /NDF: 1835812.1/31

diff_bpm0r03X_mean vs Slug



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

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

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

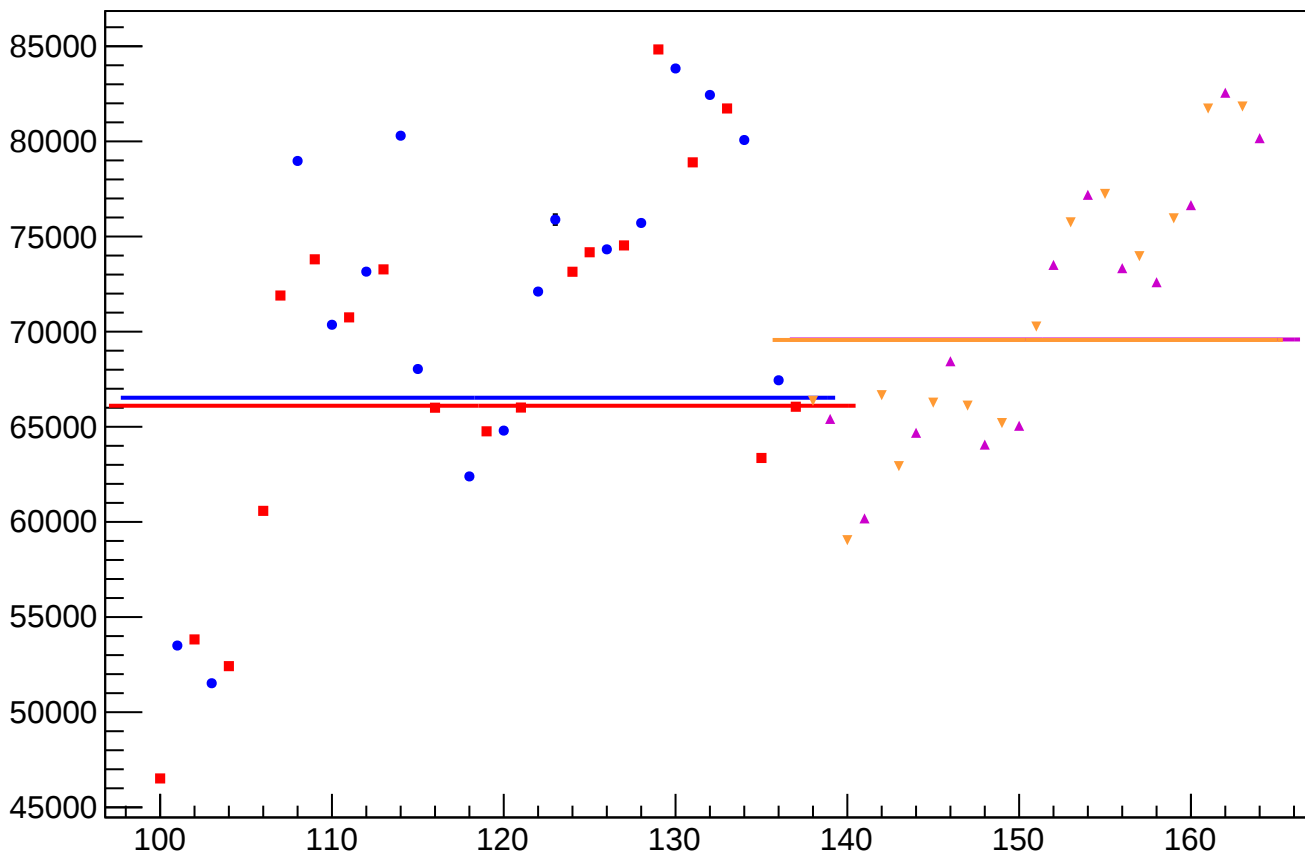
Left In: 6.016 ± 21.788 χ^2/NDF : 15.3/12

+ sign -15.927 ± 16.581 χ^2/NDF : 47.3/30

All: 4.706 ± 11.671 χ^2/NDF : 81.4/62

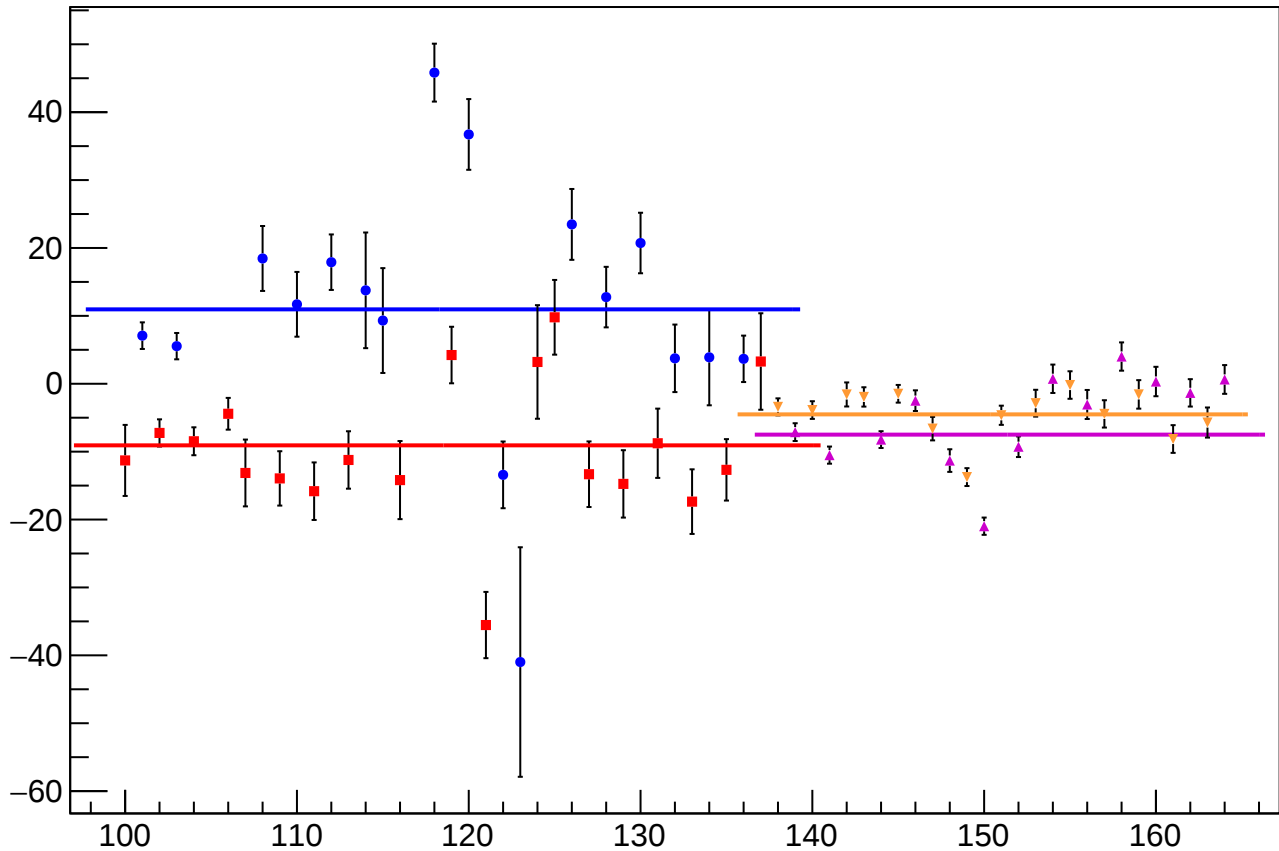
- sign 24.968 ± 16.431 χ^2/NDF : 31.1/31

diff_bpm0r03X_rms vs Slug



Right In: 66527.251+/-18.347	χ^2/NDF : 320887.2/16	+ sign 68323.568+/-11.724	χ^2/NDF : 534989.2/30
Left Out: 69563.594+/-15.243	χ^2/NDF : 197897.8/13	All: 68204.049+/-8.253	χ^2/NDF : 1032831.5/6
Right Out: 66105.849+/-17.692	χ^2/NDF : 298485.4/18	- sign 68086.682+/-11.618	χ^2/NDF : 497636.3/31
Left In: 69588.850+/-15.406	χ^2/NDF : 177108.0/12		

diff_bpm0r03Y_mean vs Slug



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

Left Out: -4.509 ± 0.428 χ^2/NDF : 73.9/13

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

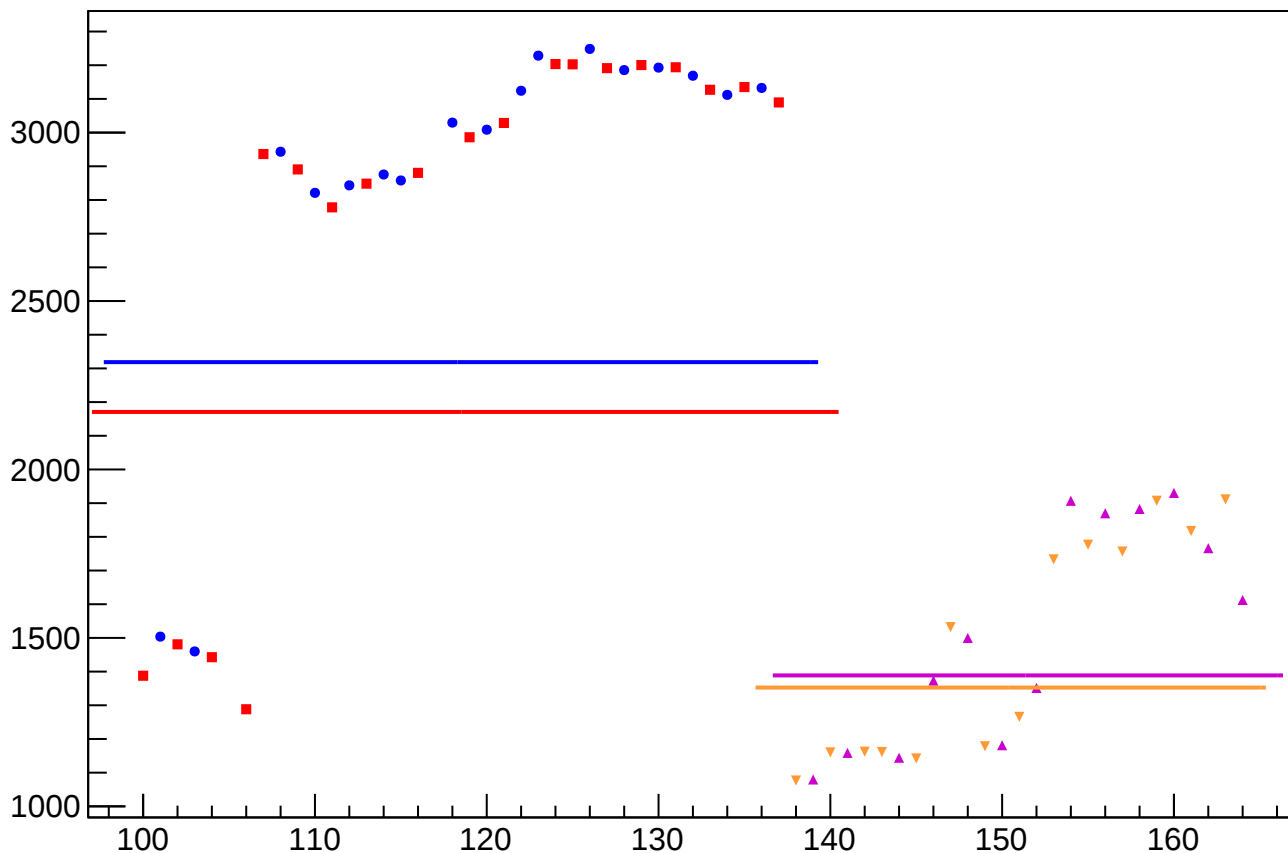
Left In: -7.493 ± 0.444 χ^2/NDF : 223.6/12

+ sign -1.866 ± 0.390 χ^2/NDF : 457.8/30

All: -4.803 ± 0.278 χ^2/NDF : 872.2/62

- sign -7.821 ± 0.395 χ^2/NDF : 299.3/31

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1352.598 $\pm$ 0.303 χ^2 /NDF: 928505.7/13

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

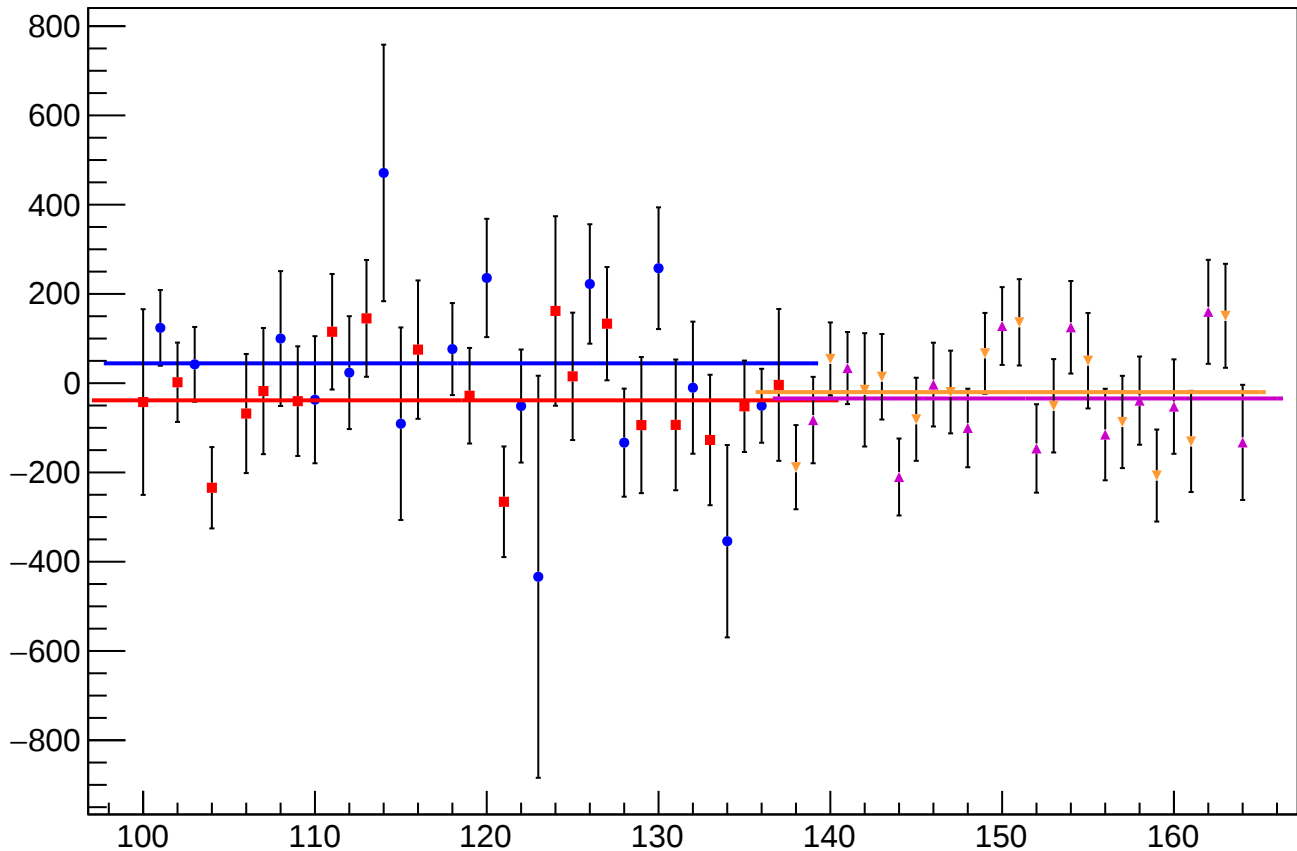
Left In: 1388.724 $\pm$ 0.314 χ^2 /NDF: 873853.6/12

+ sign 1517.654 $\pm$ 0.276 χ^2 /NDF: 4076379.7/30

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

- sign 1551.473 $\pm$ 0.279 χ^2 /NDF: 3918174.0/31

diff_bpm0r05X_mean vs Slug



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

Left Out: -19.927 ± 26.613 χ^2/NDF : 15.4/13

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

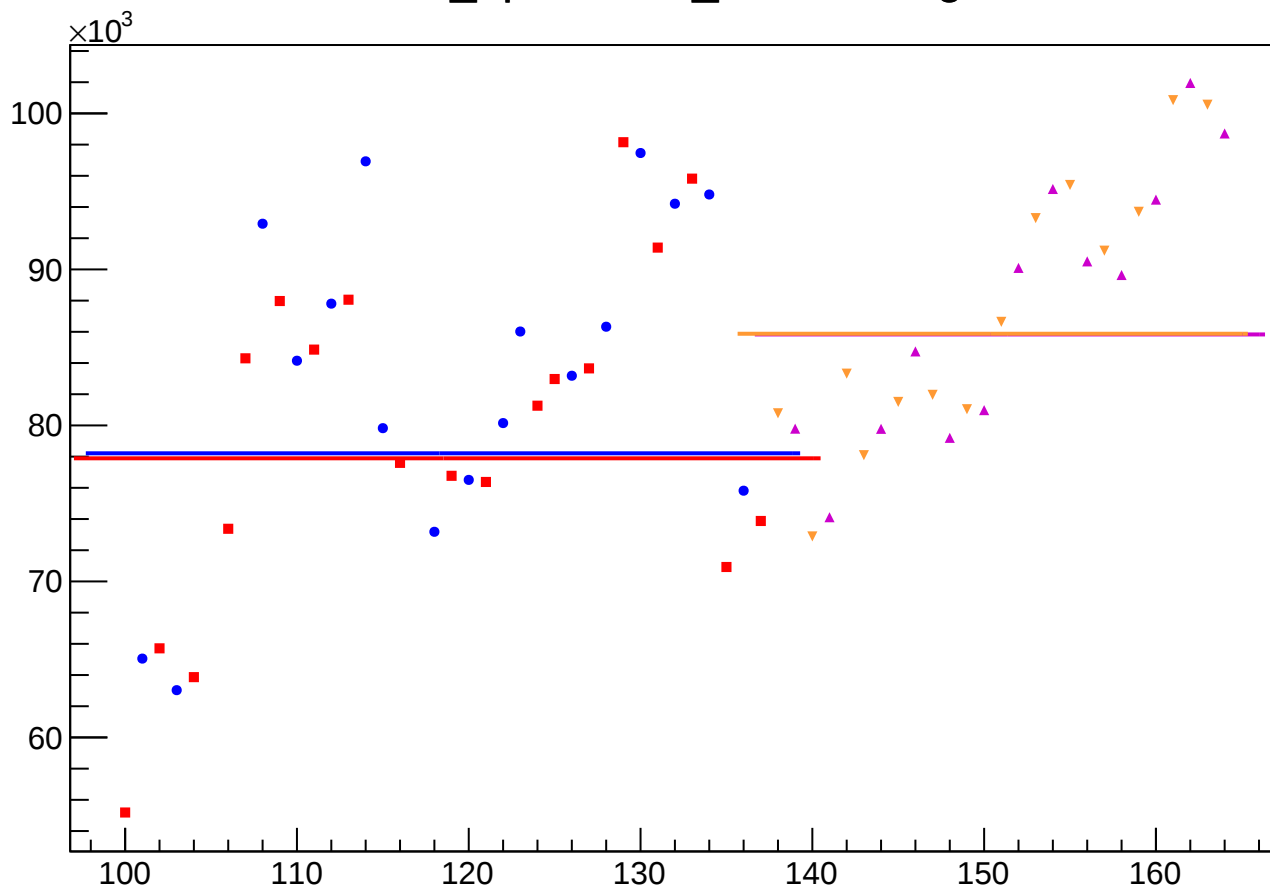
Left In: -34.256 ± 26.876 χ^2/NDF : 16.9/12

+ sign 7.986 ± 20.033 χ^2/NDF : 37.1/30

All: -14.288 ± 14.099 χ^2/NDF : 72.2/62

- sign -36.151 ± 19.847 χ^2/NDF : 32.7/31

diff_bpm0r05X_rms vs Slug



Right In: 78213.025+/-21.519 χ^2/NDF : 251056.7/16

Left Out: 85876.140+/-18.818 χ^2/NDF : 193622.4/13

Right Out: 77891.938+/-20.814 χ^2/NDF : 246970.2/18

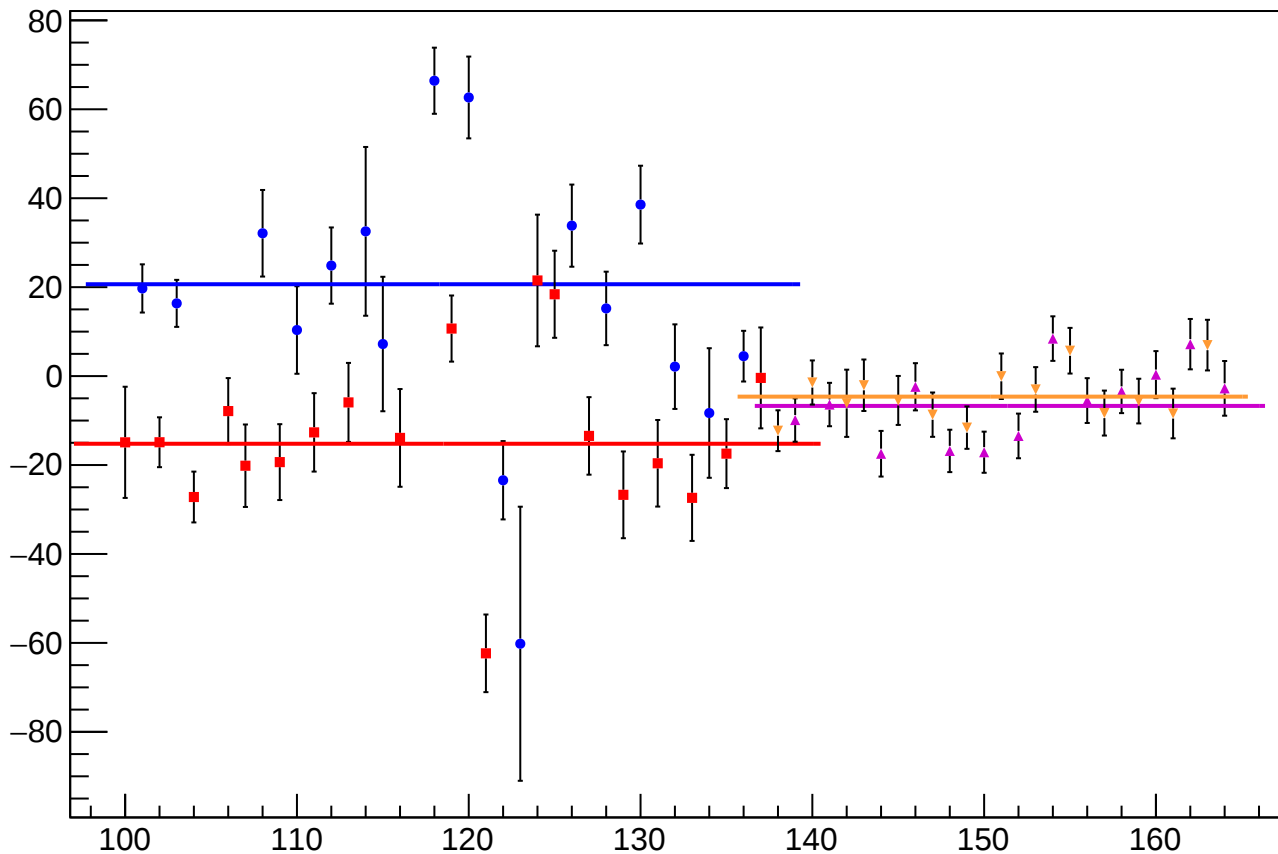
Left In: 85831.767+/-19.004 χ^2/NDF : 176131.2/12

+ sign 82555.263+/-14.166 χ^2/NDF : 516540.3/30

All: 82387.024+/-9.970 χ^2/NDF : 1019280.2/6

- sign 82221.890+/-14.034 χ^2/NDF : 502460.4/31

diff_bpm0r05Y_mean vs Slug



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

Left Out: -4.618 ± 1.400 χ^2/NDF : 16.4/13

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

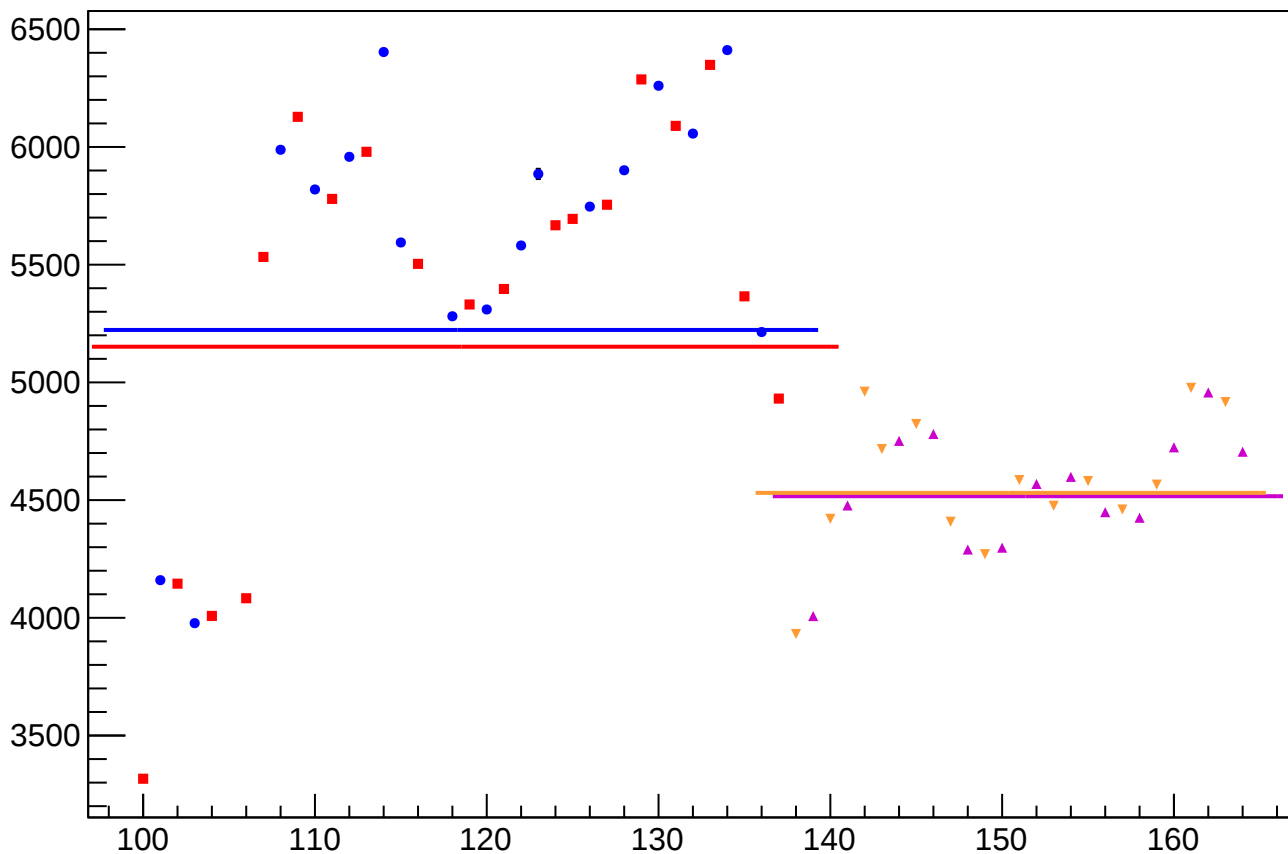
Left In: -6.706 ± 1.410 χ^2/NDF : 34.7/12

+ sign 3.497 ± 1.154 χ^2/NDF : 238.8/30

All: -3.117 ± 0.812 χ^2/NDF : 422.4/62

- sign -9.619 ± 1.144 χ^2/NDF : 118.5/31

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4530.728 $\pm$ 0.990 χ^2 /NDF: 79572.2/13

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

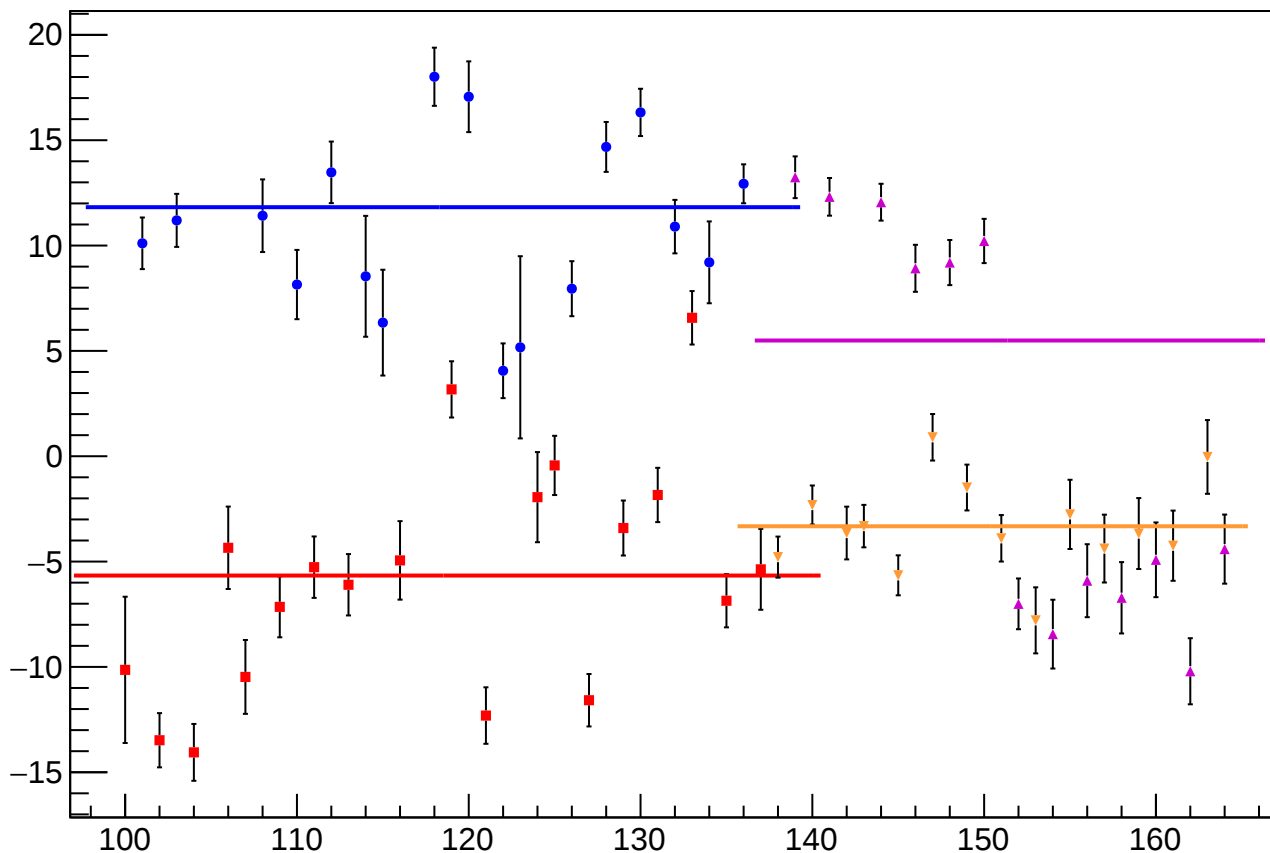
Left In: 4516.513 $\pm$ 0.997 χ^2 /NDF: 59001.9/12

+ sign 4752.912 $\pm$ 0.816 χ^2 /NDF: 548969.5/30

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

- sign 4733.931 $\pm$ 0.809 χ^2 /NDF: 585495.3/31

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.324 ± 0.322 χ^2/NDF : 39.8/13

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

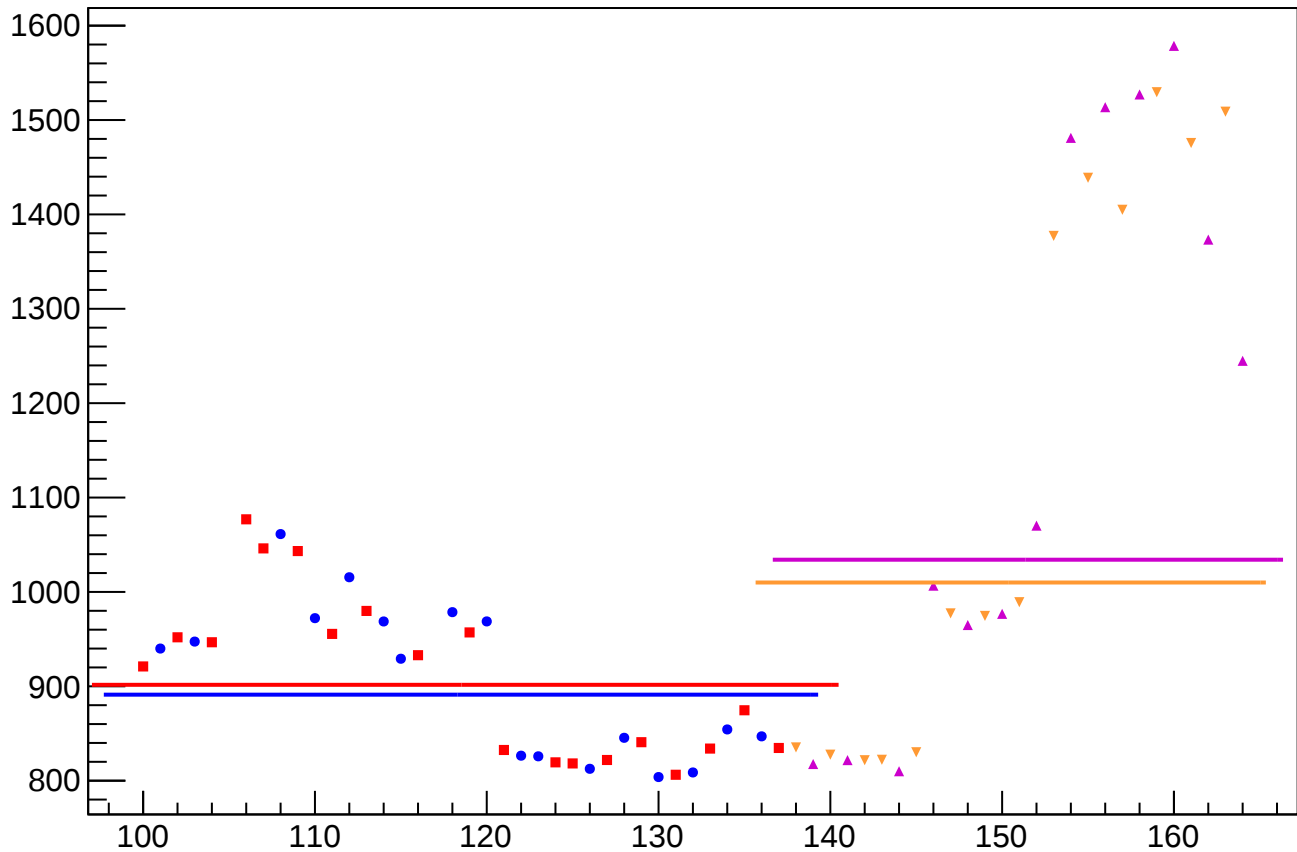
Left In: 5.493 ± 0.333 χ^2/NDF : 664.3/12

+ sign 3.741 ± 0.235 χ^2/NDF : 1187.9/30

All: 1.888 ± 0.167 χ^2/NDF : 2829.0/62

- sign 0.001 ± 0.237 χ^2/NDF : 1515.9/31

diff_bpm2i01X_rms vs Slug



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

Left Out: 1009.989 ± 0.228 $\chi^2/\text{NDF}: 1208108.3/13$

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

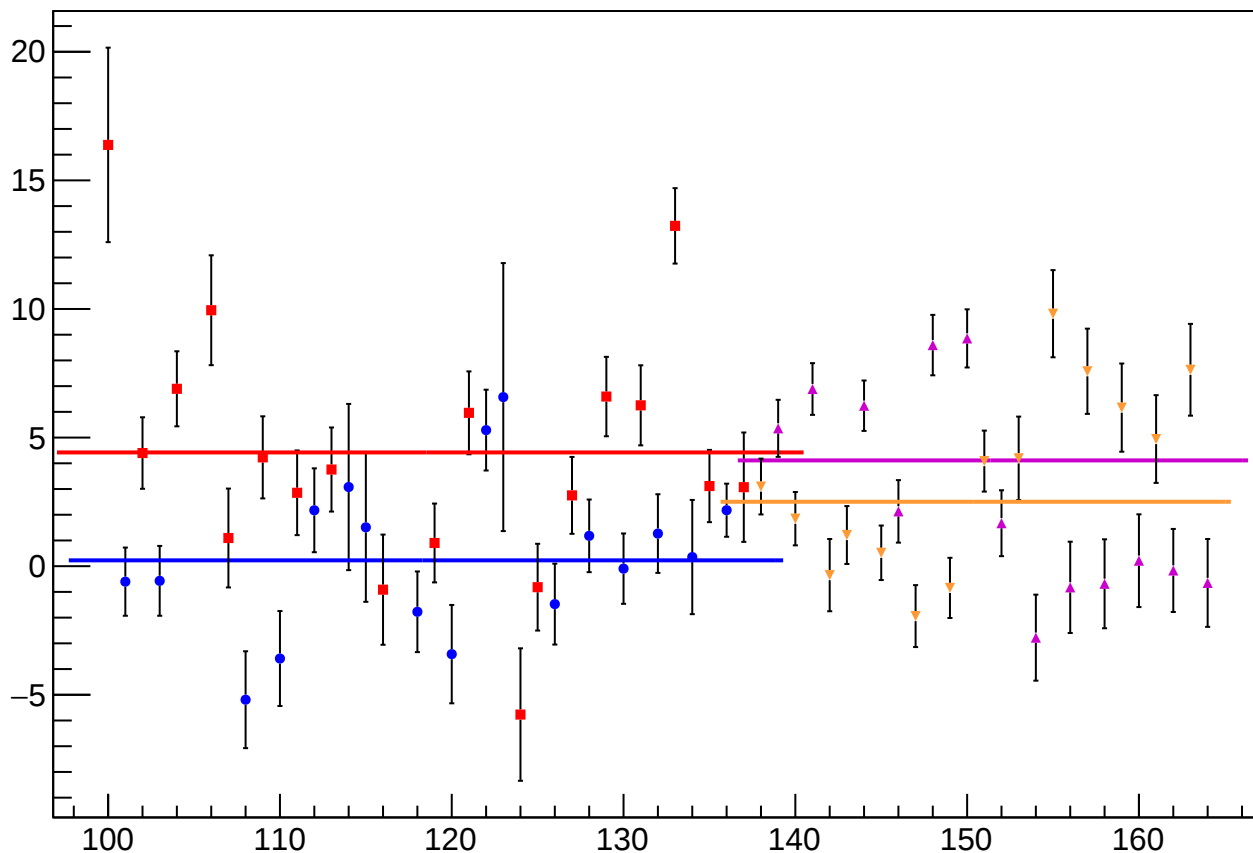
Left In: 1034.137 ± 0.236 $\chi^2/\text{NDF}: 1144665.8/12$

+ sign 954.552 ± 0.166 $\chi^2/\text{NDF}: 1436744.8/30$

All: 961.651 ± 0.118 $\chi^2/\text{NDF}: 2855402.7/62$

- sign 968.883 ± 0.168 $\chi^2/\text{NDF}: 1414982.5/31$

diff_bpm2i01Y_mean vs Slug



Right In: 0.227 ± 0.395 $\chi^2/\text{NDF}: 38.5/16$

Left Out: 2.505 ± 0.349 $\chi^2/\text{NDF}: 77.2/13$

Right Out: 4.423 ± 0.387 $\chi^2/\text{NDF}: 103.3/18$

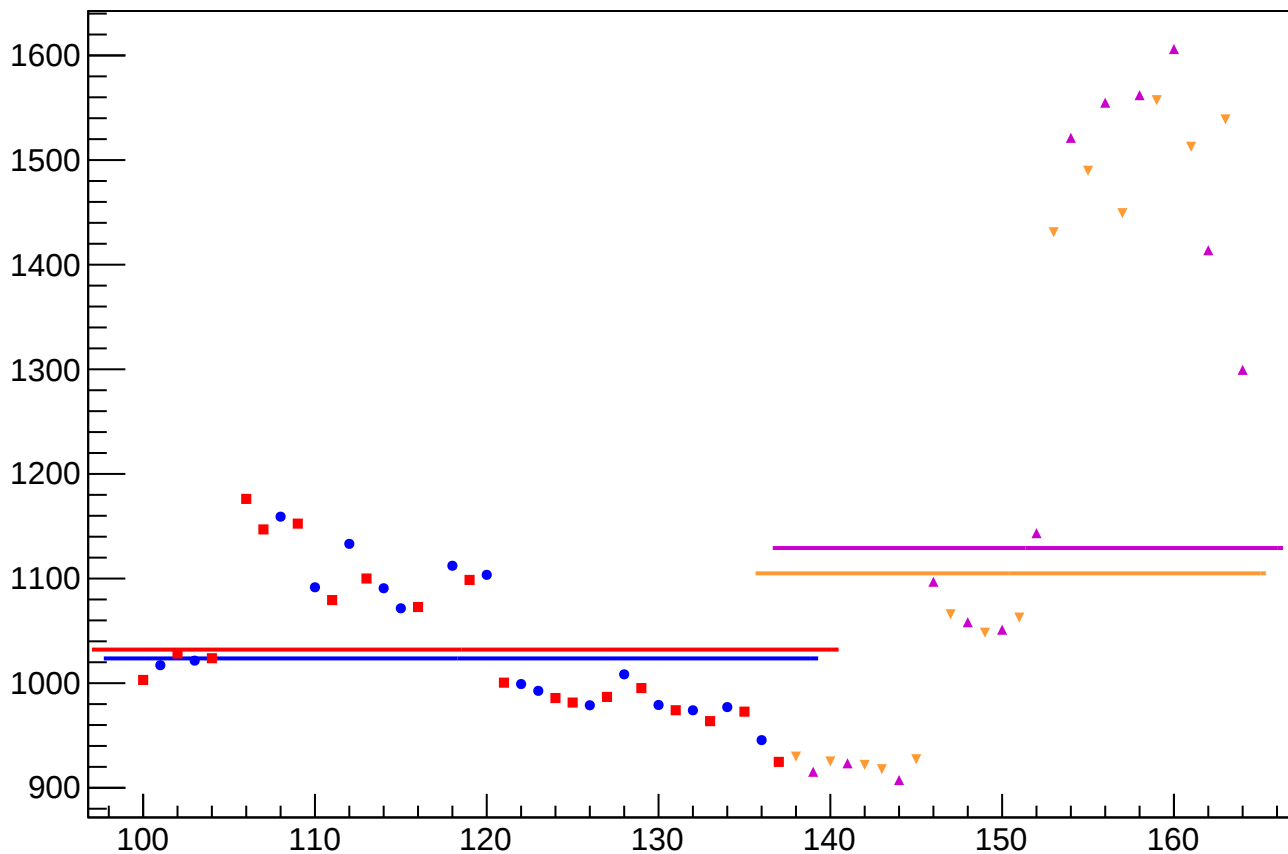
Left In: 4.113 ± 0.361 $\chi^2/\text{NDF}: 104.0/12$

+ sign 1.505 ± 0.262 $\chi^2/\text{NDF}: 134.4/30$

All: 2.870 ± 0.186 $\chi^2/\text{NDF}: 396.9/62$

- sign 4.257 ± 0.264 $\chi^2/\text{NDF}: 207.6/31$

diff_bpm2i01Y_rms vs Slug



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

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

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

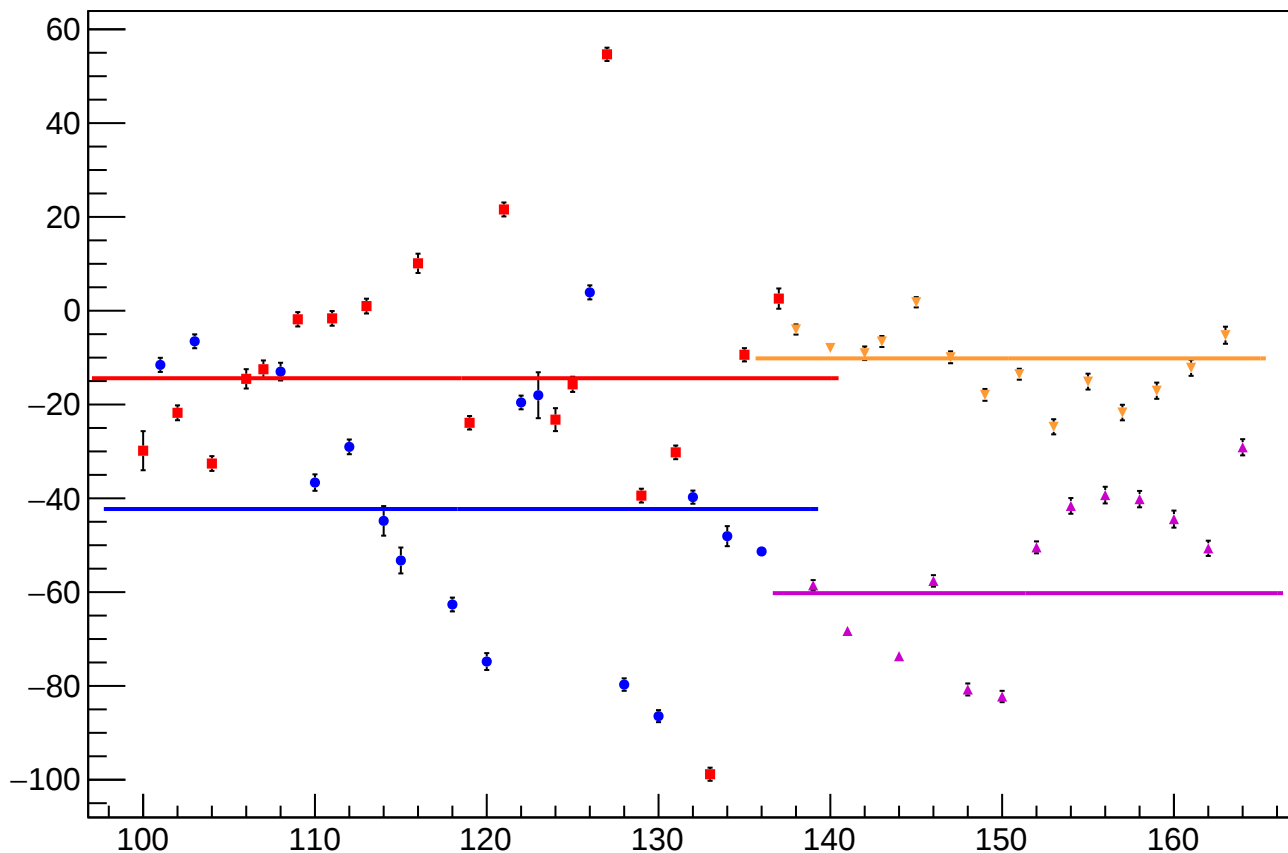
Left In: 1129.181+/-0.255 χ^2/NDF : 851584.2/12

+ sign 1069.277+/-0.185 χ^2/NDF : 1009287.4/30

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

- sign 1084.009+/-0.187 χ^2/NDF : 978355.7/31

diff_bpm2i02X_mean vs Slug



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

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

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

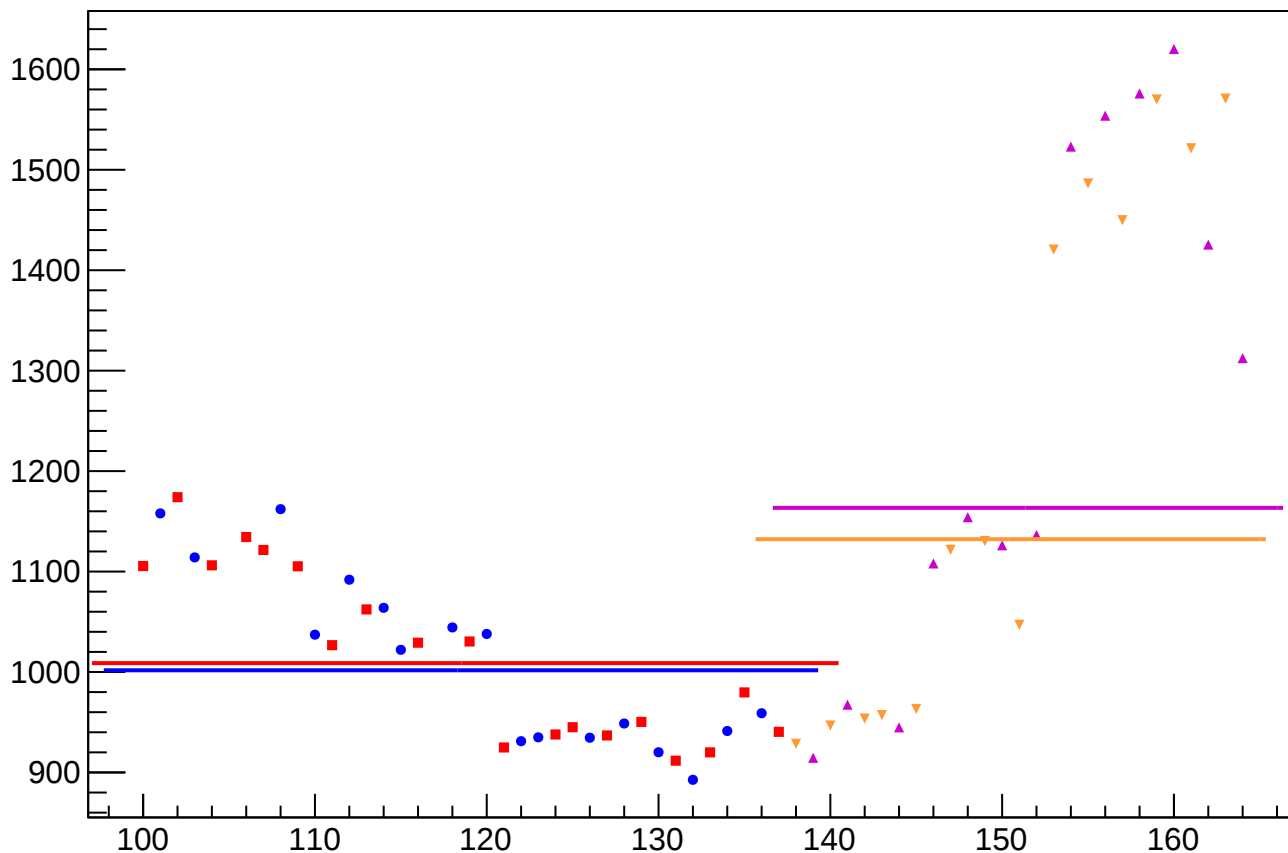
Left In: -60.218 ± 0.371 χ^2/NDF : 1713.1/12

+ sign -24.943 ± 0.263 χ^2/NDF : 9217.0/30

All: -31.296 ± 0.187 χ^2/NDF : 27255.9/62

- sign -37.760 ± 0.265 χ^2/NDF : 16858.6/31

diff_bpm2i02X_rms vs Slug



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

Left Out: 1132.235+/-0.253 χ^2/NDF : 836486.9/13

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

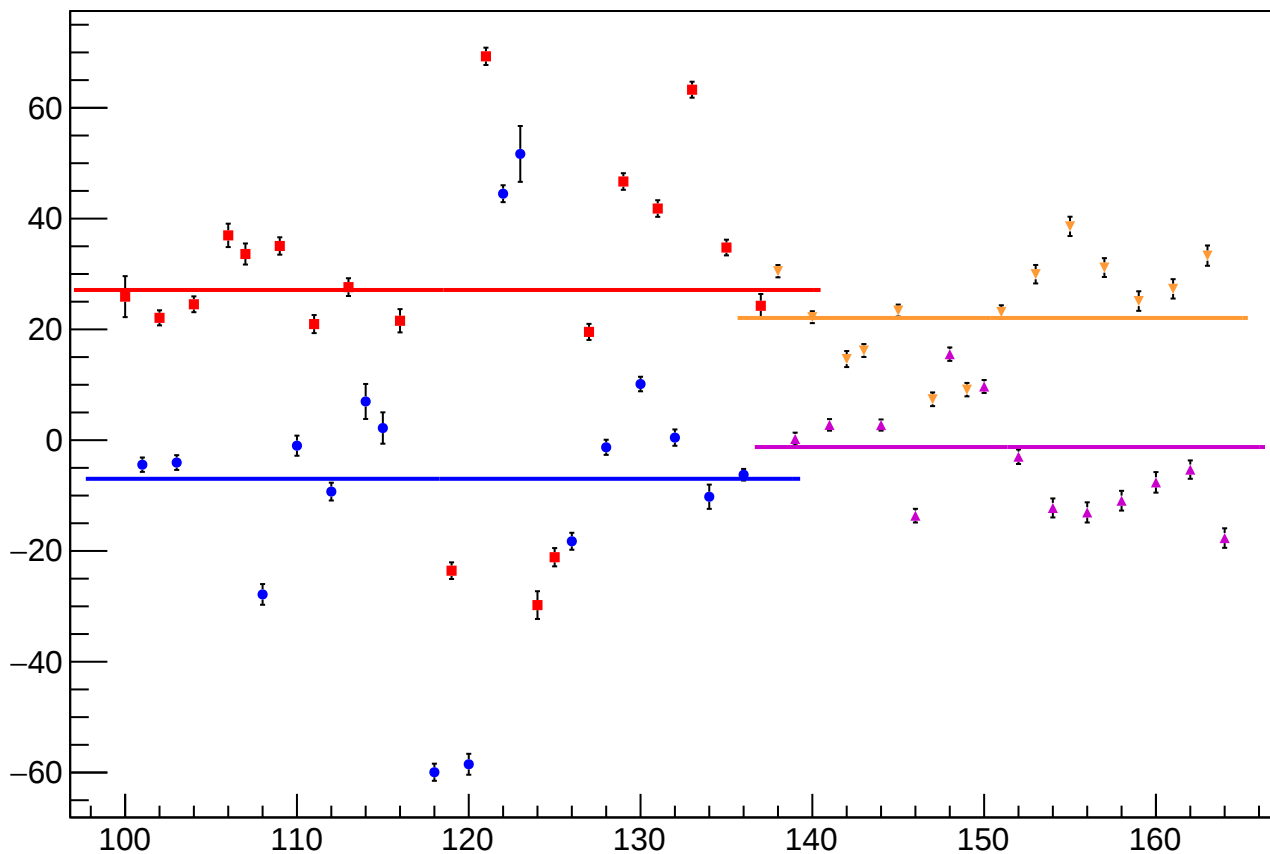
Left In: 1163.426+/-0.262 χ^2/NDF : 762117.1/12

+ sign 1072.157+/-0.186 χ^2/NDF : 1054689.2/30

All: 1079.846+/-0.132 χ^2/NDF : 2085746.5/62

- sign 1087.670+/-0.187 χ^2/NDF : 1027598.8/31

diff_bpm2i02Y_mean vs Slug



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

Left Out: 22.064 ± 0.359 χ^2/NDF : 557.6/13

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

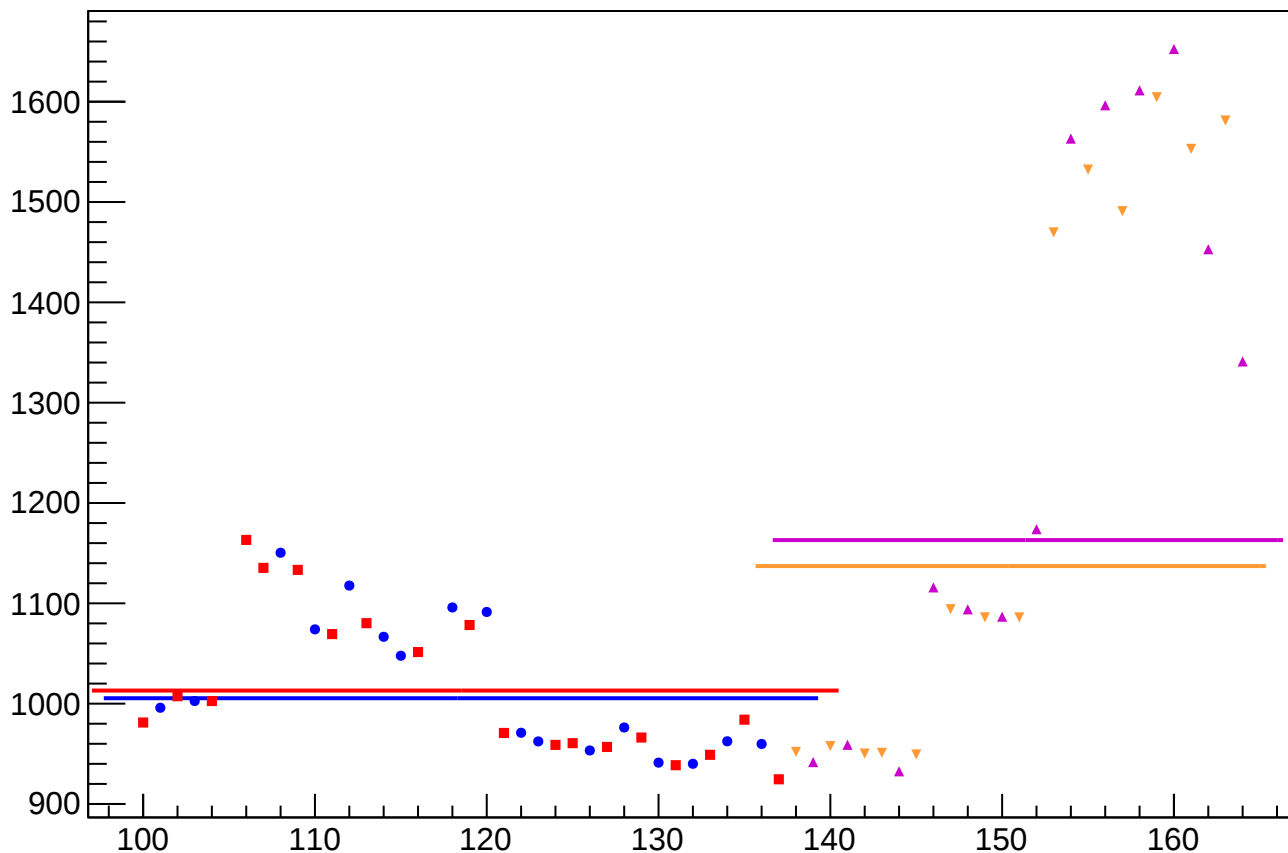
Left In: -1.238 ± 0.371 χ^2/NDF : 629.5/12

+ sign 8.649 ± 0.264 χ^2/NDF : 7208.8/30

All: 10.627 ± 0.187 χ^2/NDF : 15085.1/62

- sign 12.632 ± 0.265 χ^2/NDF : 7763.0/31

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1137.121+/-0.254 χ^2/NDF : 904410.4/13

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

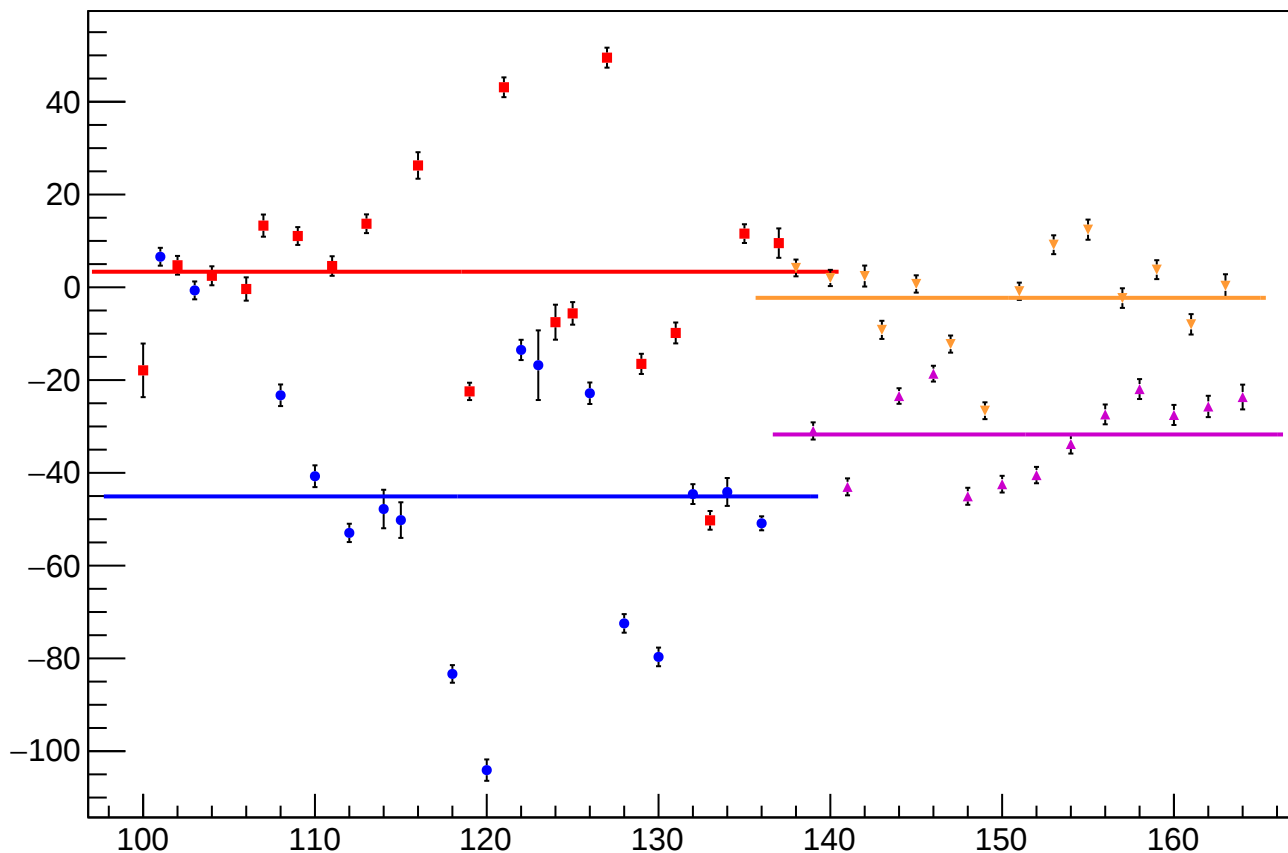
Left In: 1163.041+/-0.263 χ^2/NDF : 843411.3/12

+ sign 1076.273+/-0.186 χ^2/NDF : 1083022.9/30

All: 1082.928+/-0.132 χ^2/NDF : 2151746.3/62

- sign 1089.674+/-0.188 χ^2/NDF : 1066158.1/31

diff_bpm0i02X_mean vs Slug



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

Left Out: -2.269 ± 0.531 χ^2/NDF : 341.8/13

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

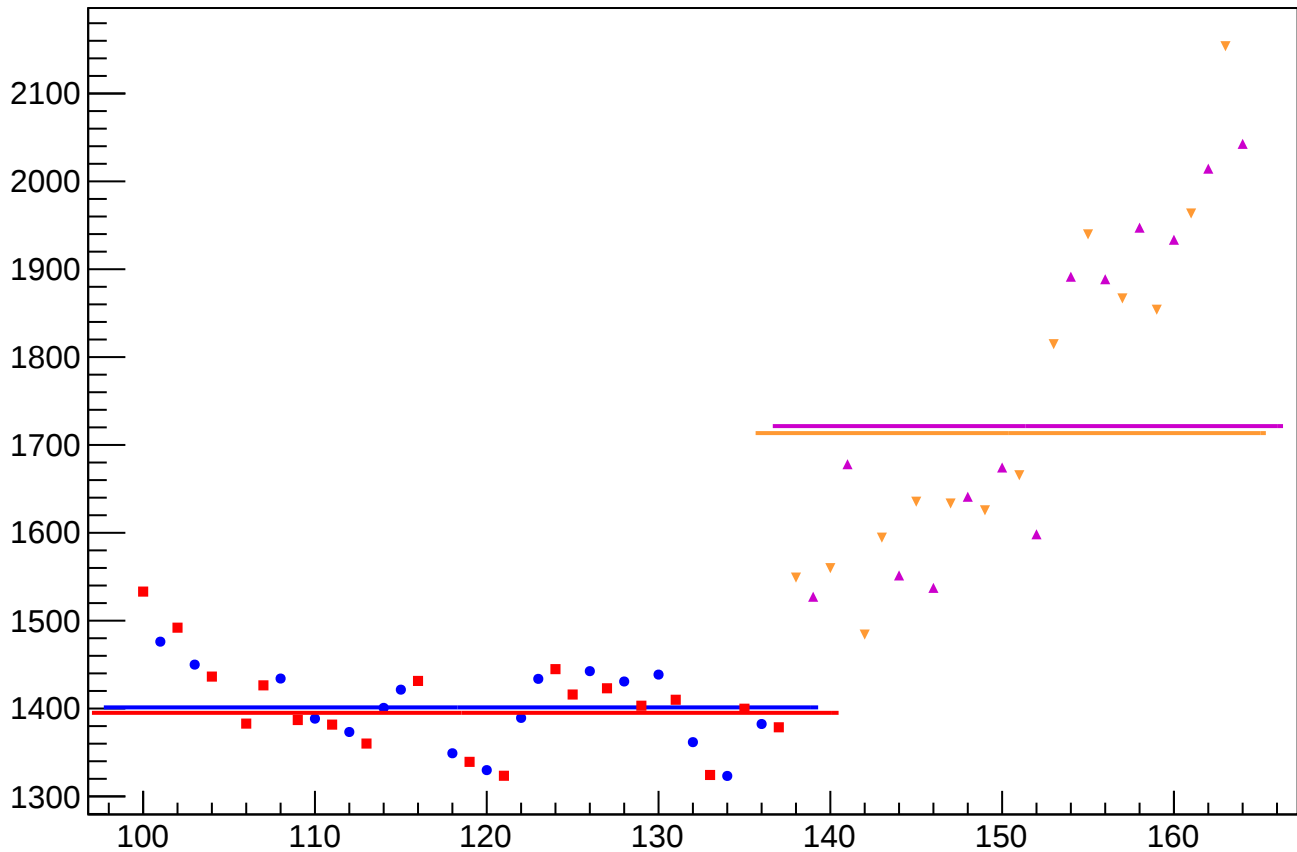
Left In: -31.725 ± 0.540 χ^2/NDF : 280.3/12

+ sign -23.319 ± 0.378 χ^2/NDF : 6778.5/30

All: -18.412 ± 0.266 χ^2/NDF : 11581.2/62

- sign -13.588 ± 0.375 χ^2/NDF : 4469.3/31

diff_bpm0i02X_rms vs Slug



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

Left Out: 1713.492+/-0.375 χ^2/NDF : 208166.3/13

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

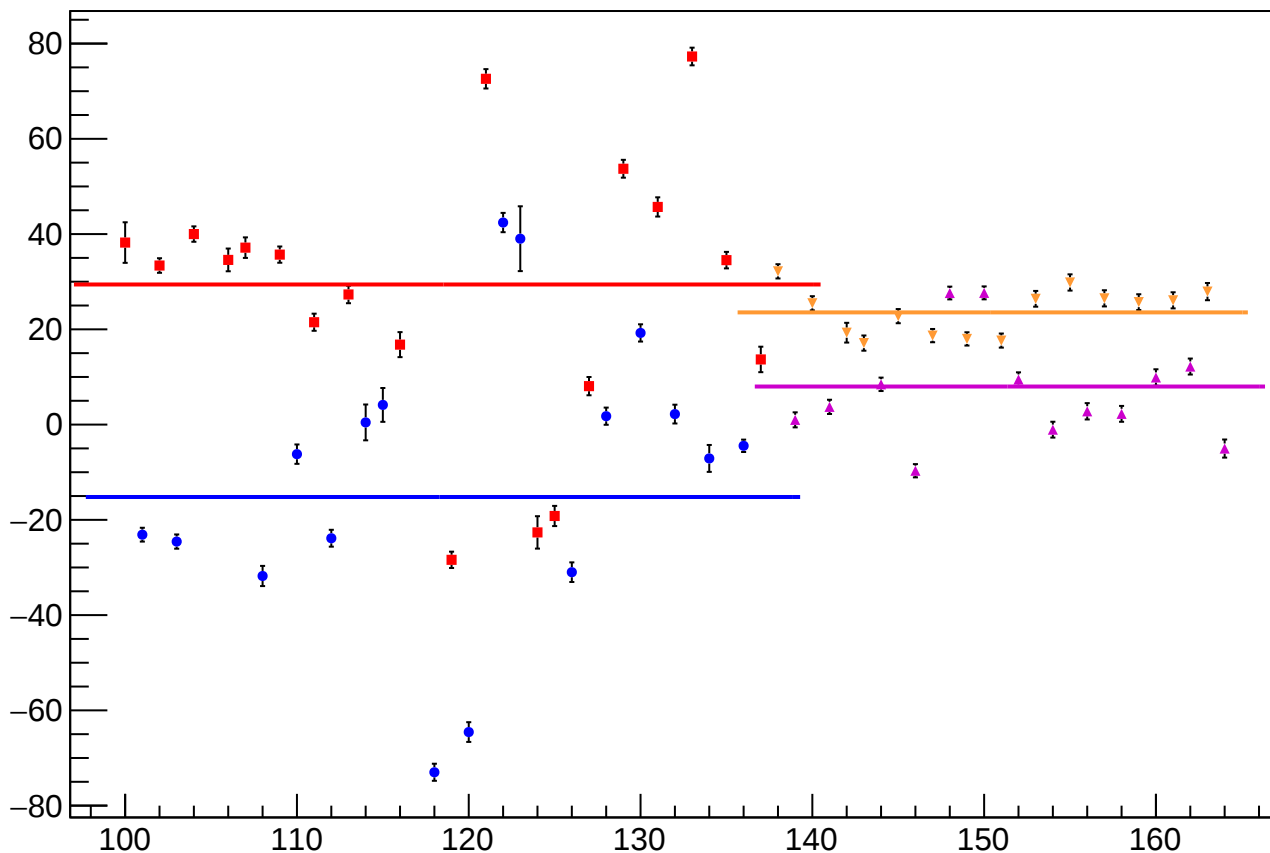
Left In: 1721.457+/-0.382 χ^2/NDF : 210601.7/12

+ sign 1559.995+/-0.268 χ^2/NDF : 561182.8/30

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

- sign 1552.735+/-0.265 χ^2/NDF : 603975.5/31

diff_bpm0i02Y_mean vs Slug



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

Left Out: 23.557 ± 0.425 χ^2/NDF : 129.0/13

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

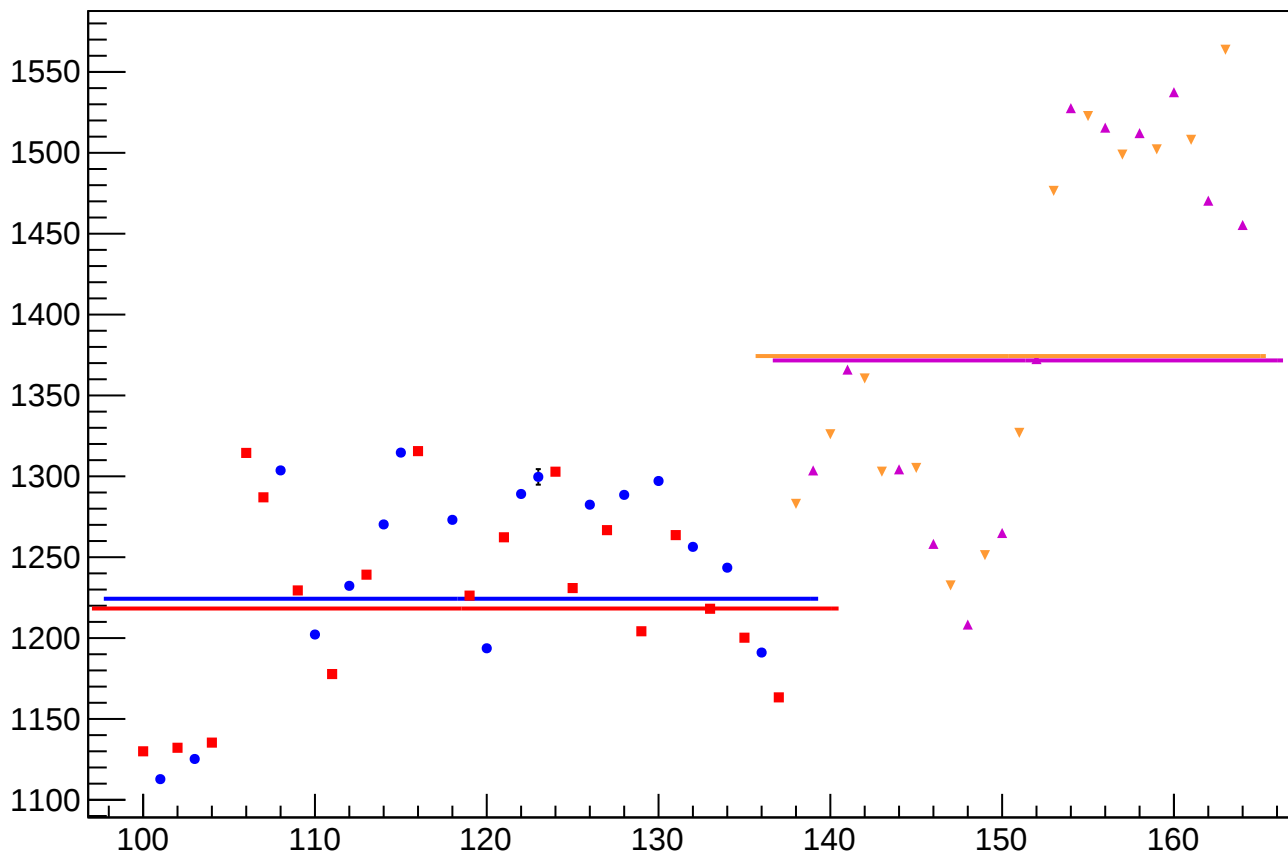
Left In: 7.993 ± 0.429 χ^2/NDF : 718.4/12

+ sign 6.209 ± 0.316 χ^2/NDF : 7214.7/30

All: 12.192 ± 0.222 χ^2/NDF : 13358.3/62

- sign 18.049 ± 0.313 χ^2/NDF : 5433.6/31

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1374.358+/-0.300 χ^2/NDF :136210.1/13

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

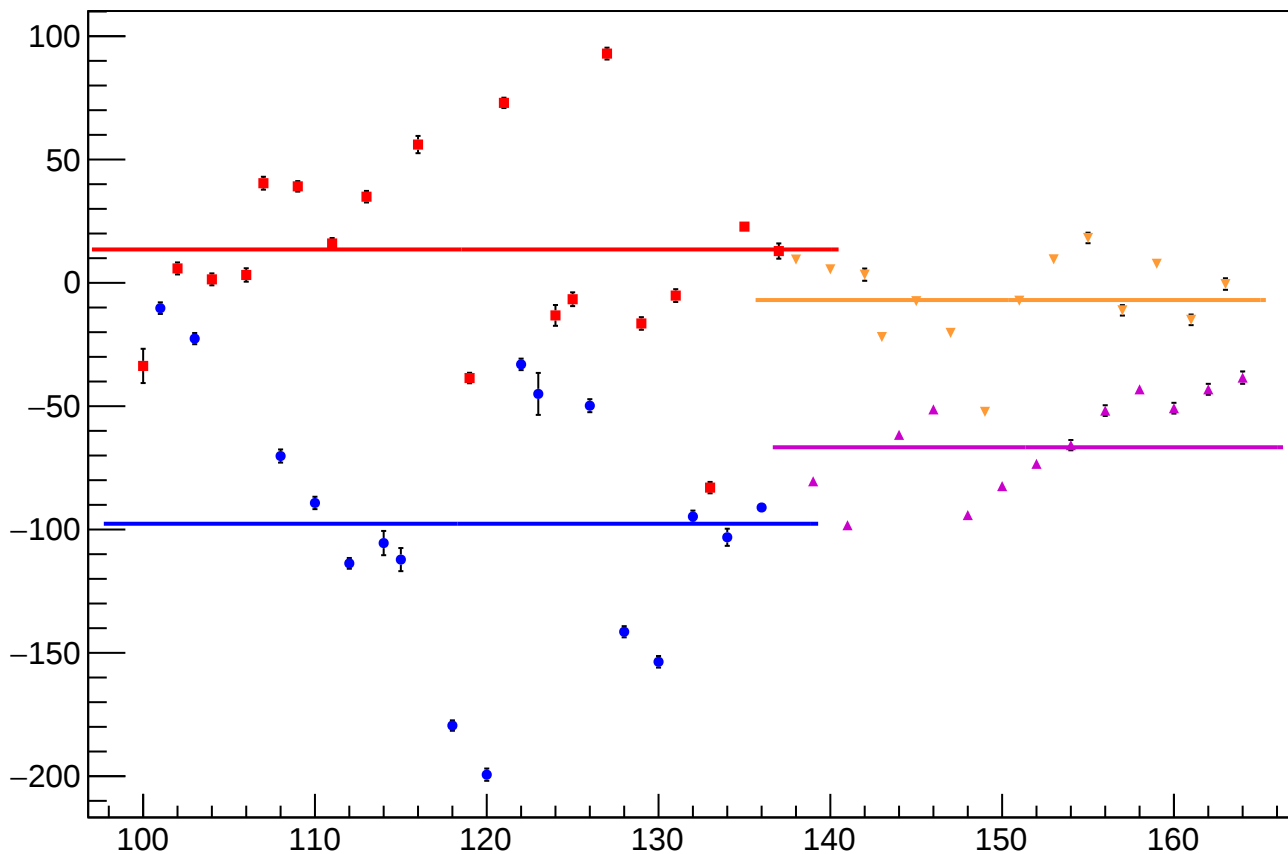
Left In: 1371.652+/-0.303 χ^2/NDF :138771.5/12

+ sign 1307.202+/-0.223 χ^2/NDF : 286571.4/30

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

- sign 1299.664+/-0.221 χ^2/NDF : 286310.0/31

diff_bpm0i02aX_mean vs Slug



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

Left Out: -6.968 ± 0.532 χ^2/NDF : 1150.8/13

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

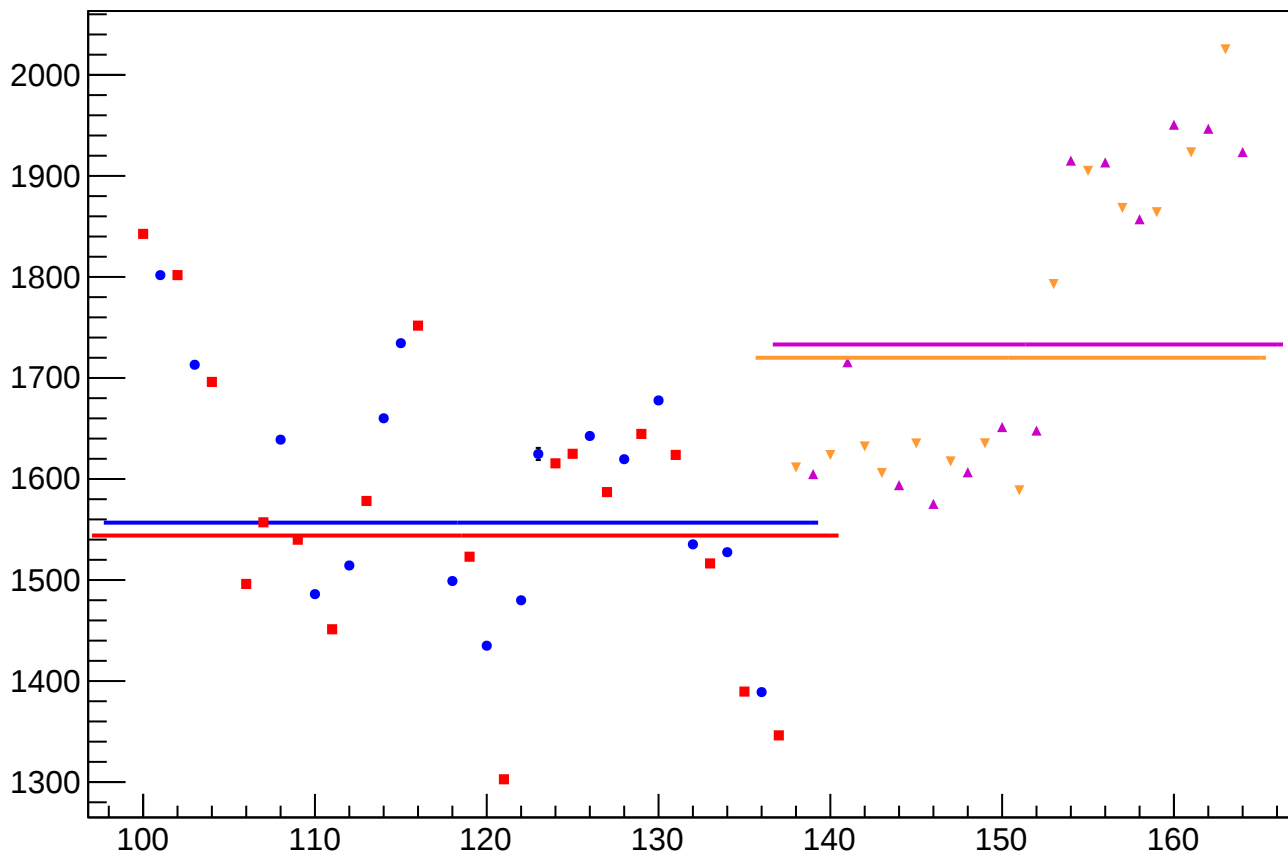
Left In: -66.656 ± 0.542 χ^2/NDF : 1219.6/12

+ sign -46.791 ± 0.398 χ^2/NDF : 21845.3/30

All: -37.942 ± 0.281 χ^2/NDF : 39385.0/62

- sign -29.206 ± 0.396 χ^2/NDF : 16559.7/31

diff_bpm0i02aX_rms vs Slug



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

Left Out: 1720.027 $\pm$ 0.376 χ^2 /NDF:136200.4/13

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

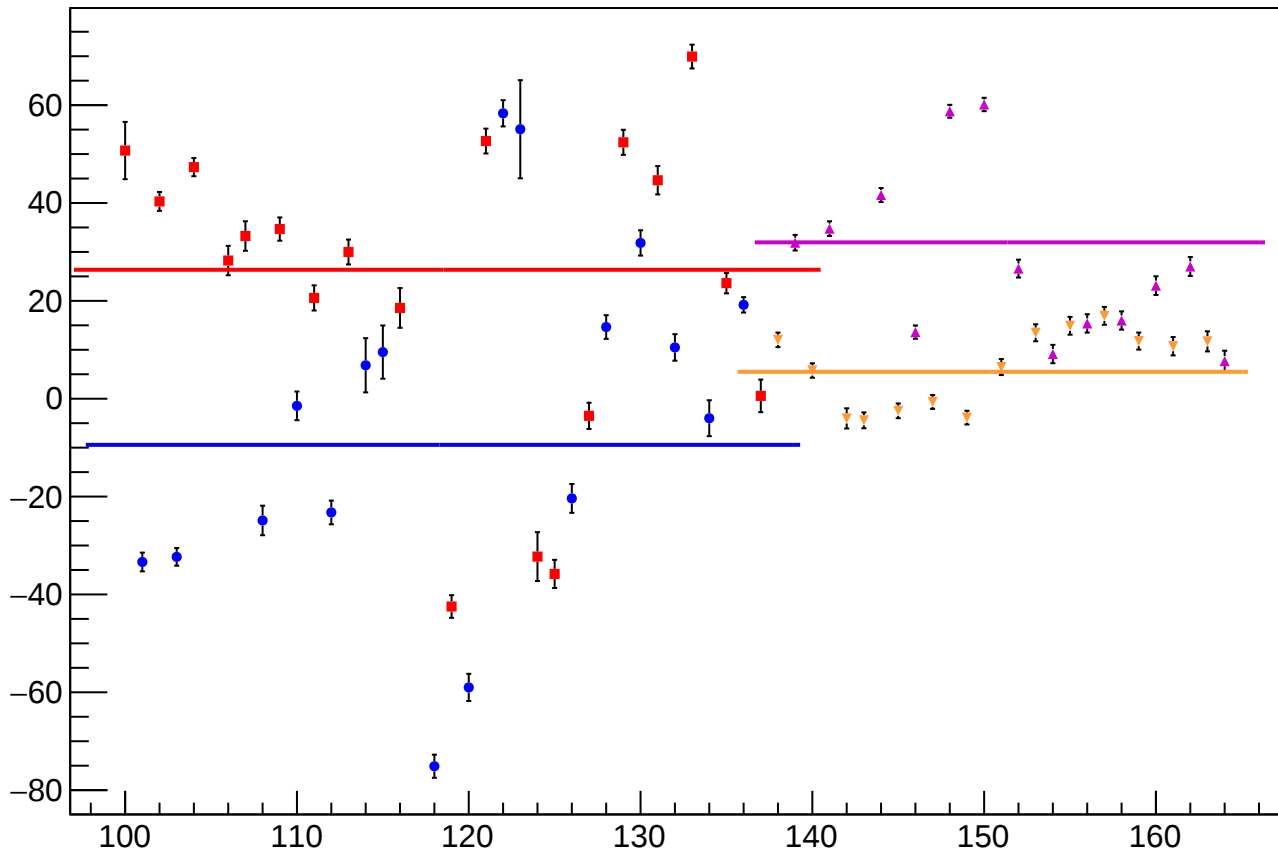
Left In: 1733.157 $\pm$ 0.383 χ^2 /NDF:143185.7/12

+ sign 1648.351 $\pm$ 0.282 χ^2 /NDF: 300406.7/30

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

- sign 1644.839 $\pm$ 0.280 χ^2 /NDF: 357277.5/31

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 5.499 ± 0.442 χ^2/NDF : 286.8/13

Right Out: 26.354 ± 0.603 χ^2/NDF : 2472.1/18

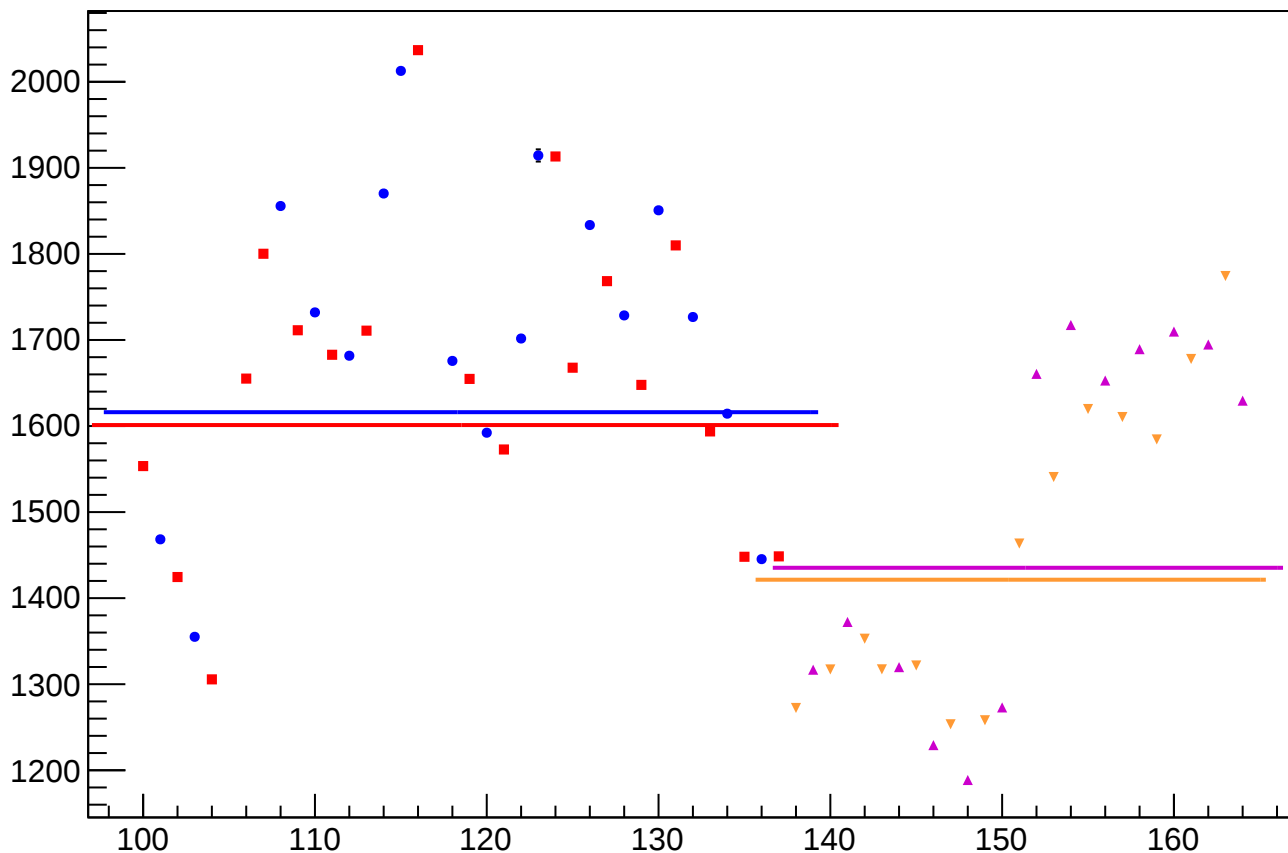
Left In: 31.955 ± 0.452 χ^2/NDF : 1531.0/12

+ sign 0.545 ± 0.361 χ^2/NDF : 3590.2/30

All: 15.207 ± 0.255 χ^2/NDF : 10957.3/62

- sign 29.938 ± 0.362 χ^2/NDF : 4058.3/31

diff_bpm0i02aY_rms vs Slug



Right In: 1616.094 ± 0.443 $\chi^2/\text{NDF}: 149596.3/16$

Left Out: 1421.423 ± 0.312 $\chi^2/\text{NDF}: 274239.2/13$

Right Out: 1601.134 ± 0.426 $\chi^2/\text{NDF}: 153651.5/18$

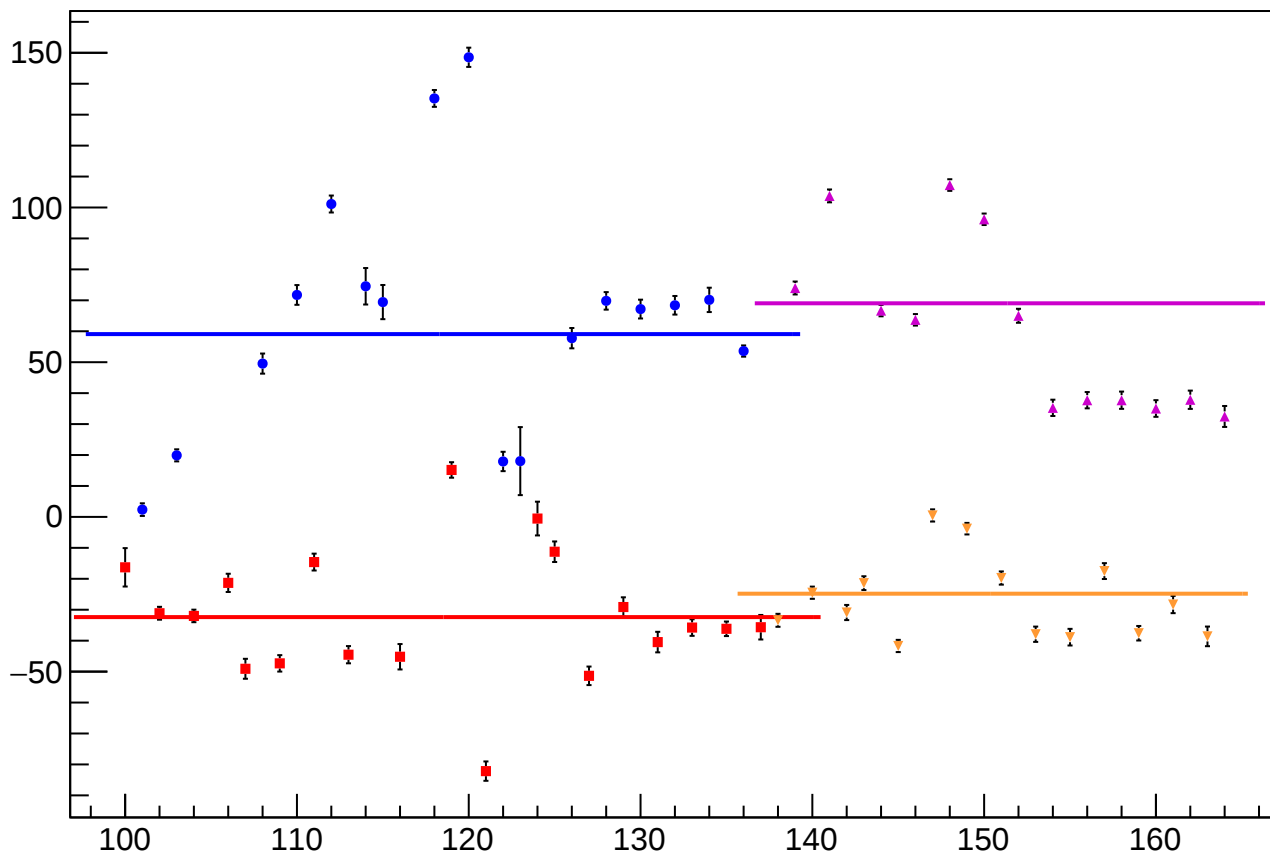
Left In: 1435.284 ± 0.320 $\chi^2/\text{NDF}: 404651.6/12$

+ sign 1486.029 ± 0.255 $\chi^2/\text{NDF}: 552871.6/30$

All: 1490.509 ± 0.181 $\chi^2/\text{NDF}: 1208670.7/62$

- sign 1495.010 ± 0.256 $\chi^2/\text{NDF}: 655181.2/31$

diff_bpm0i05X_mean vs Slug



Right In: 59.081 ± 0.699 χ^2/NDF : 3293.6/16

Left Out: -24.819 ± 0.605 χ^2/NDF : 508.9/13

Right Out: -32.382 ± 0.666 χ^2/NDF : 891.5/18

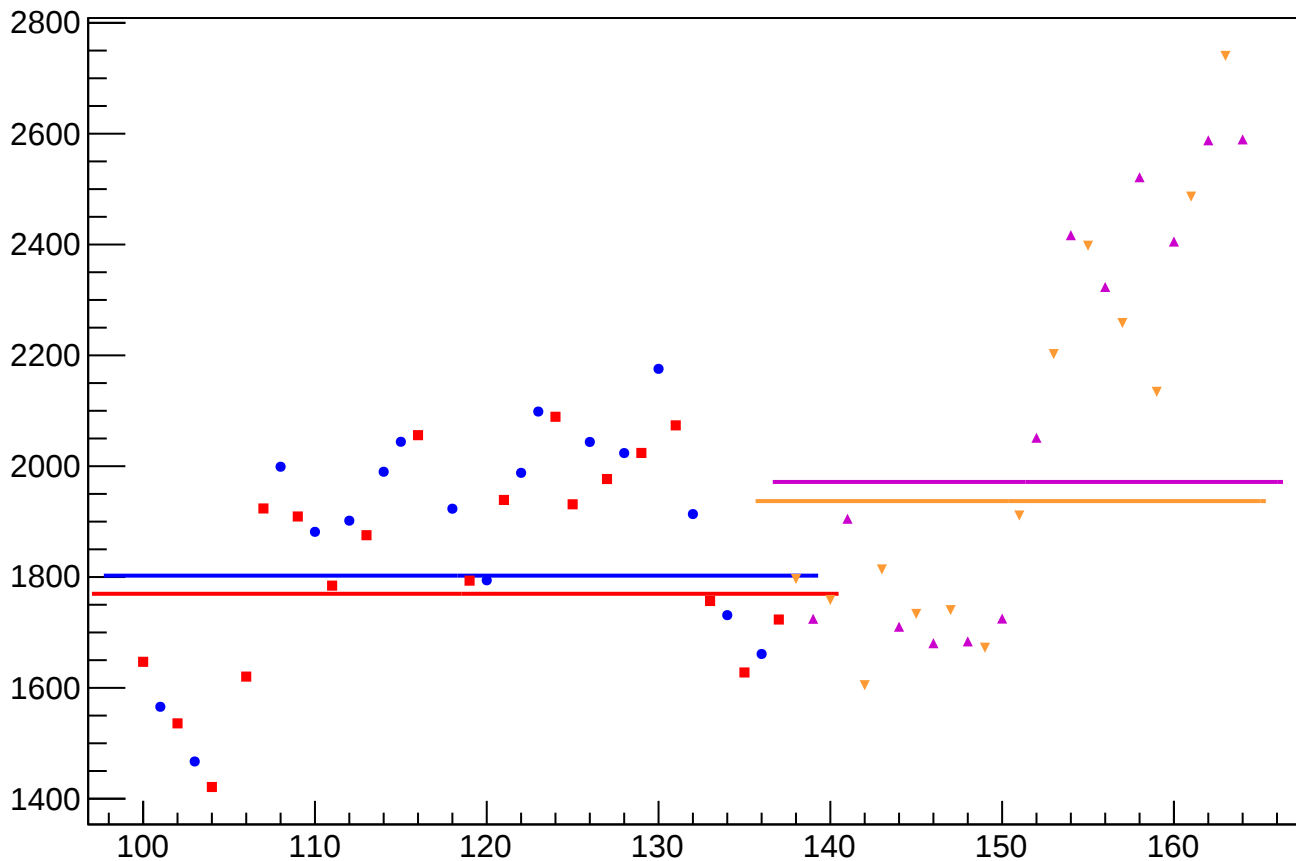
Left In: 69.037 ± 0.624 χ^2/NDF : 1743.8/12

+ sign 11.071 ± 0.457 χ^2/NDF : 12035.7/30

All: 16.375 ± 0.323 χ^2/NDF : 27272.1/62

- sign 21.636 ± 0.456 χ^2/NDF : 14968.6/31

diff_bpm0i05X_rms vs Slug



Right In: 1802.524+/-0.495 χ^2/NDF : 184069.0/16

Left Out: 1937.055+/-0.428 χ^2/NDF : 483027.6/13

Right Out: 1769.772+/-0.471 χ^2/NDF : 177893.4/18

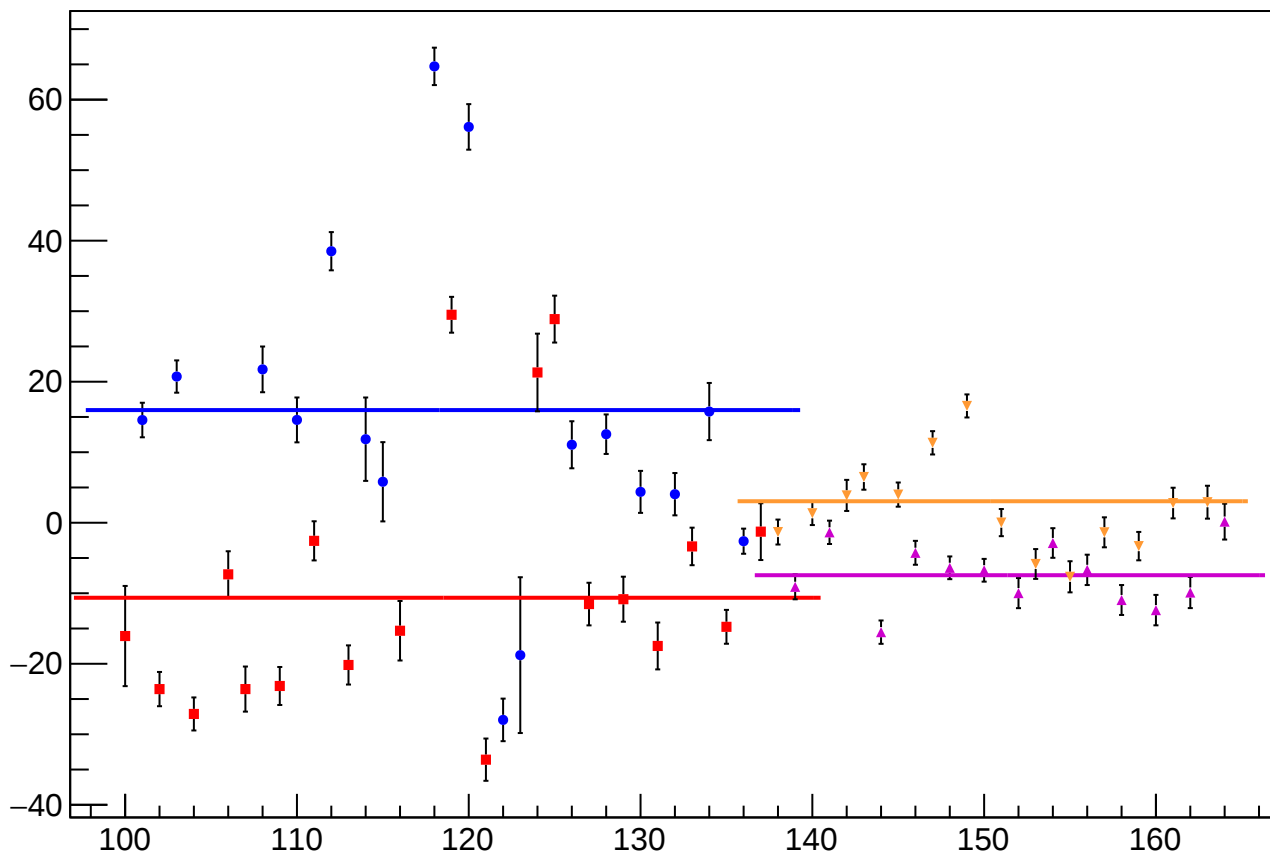
Left In: 1971.589+/-0.441 χ^2/NDF : 579239.7/12

+ sign 1879.507+/-0.323 χ^2/NDF : 709433.6/30

All: 1878.381+/-0.228 χ^2/NDF : 1564266.3/62

- sign 1877.265+/-0.322 χ^2/NDF : 854808.6/31

diff_bpm0i05Y_mean vs Slug



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

Left Out: 3.049 ± 0.511 χ^2/NDF : 162.7/13

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

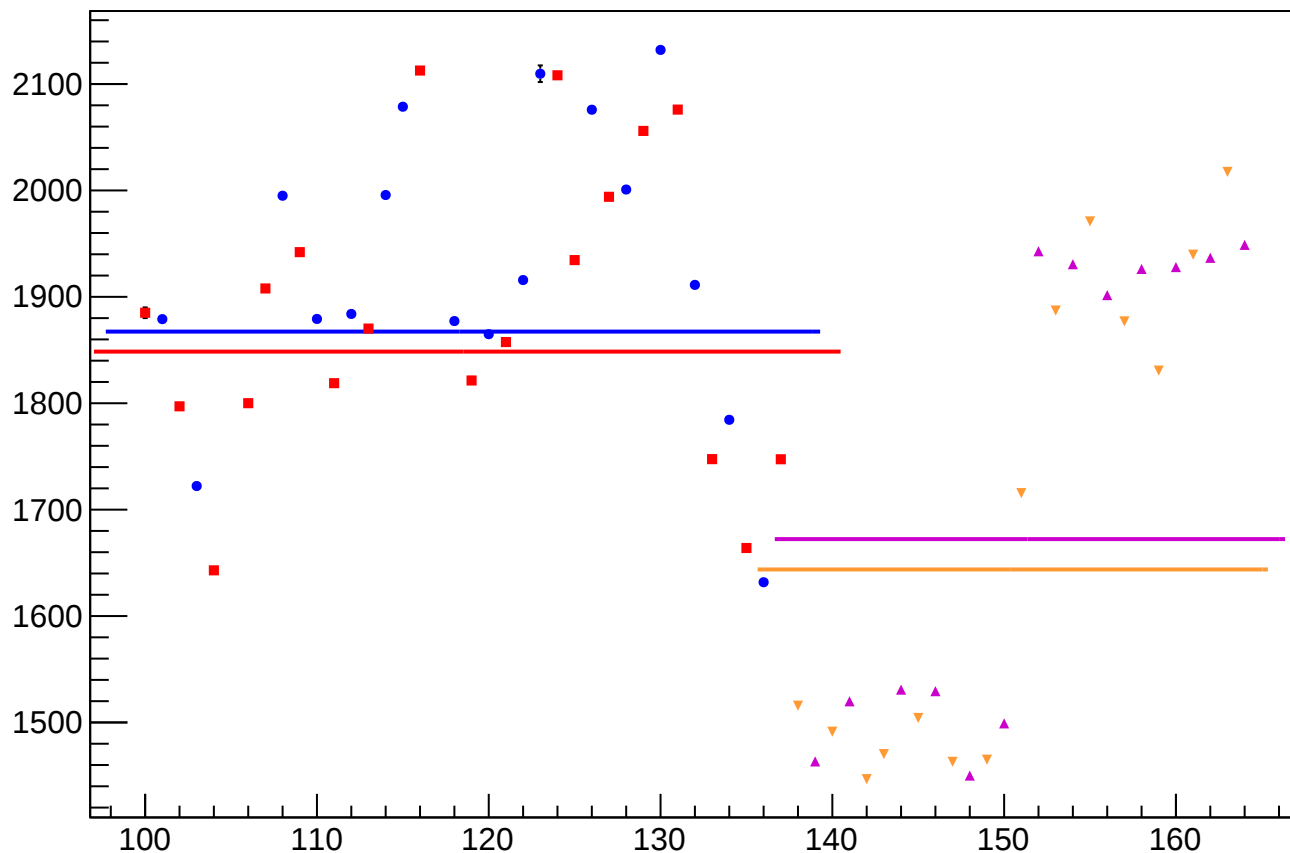
Left In: -7.441 ± 0.525 χ^2/NDF : 66.7/12

+ sign 7.364 ± 0.417 χ^2/NDF : 1314.8/30

All: -0.587 ± 0.295 χ^2/NDF : 2767.7/62

- sign -8.607 ± 0.419 χ^2/NDF : 722.3/31

diff_bpm0i05Y_rms vs Slug



Right In: 1867.343+/-0.510 χ^2/NDF : 80926.4/16

Left Out: 1643.780+/-0.361 χ^2/NDF : 325524.6/13

Right Out: 1848.532+/-0.490 χ^2/NDF : 72527.3/18

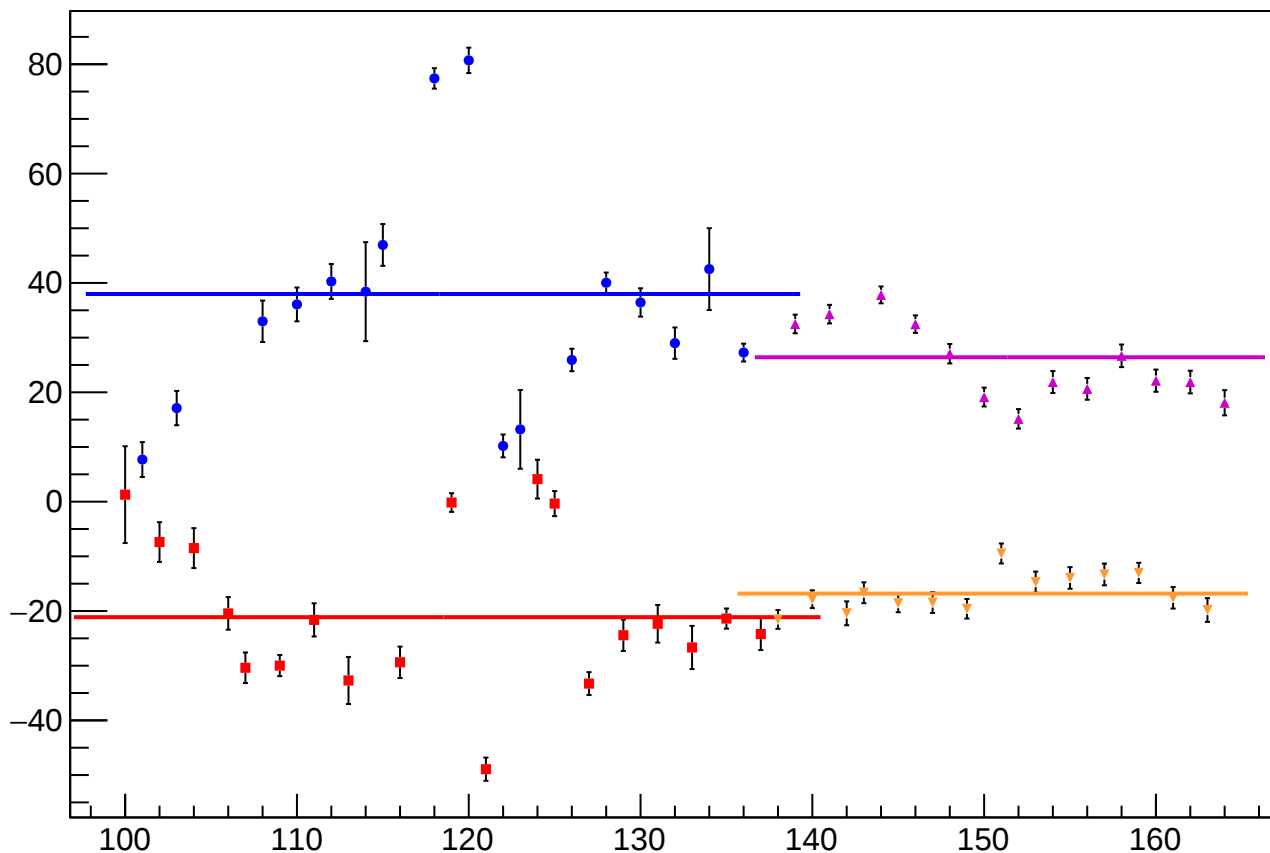
Left In: 1672.317+/-0.372 χ^2/NDF : 328611.8/12

+ sign 1718.407+/-0.295 χ^2/NDF : 534332.3/30

All: 1727.461+/-0.209 χ^2/NDF : 1019428.6/62

- sign 1736.595+/-0.296 χ^2/NDF : 483201.8/31

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 $\chi^2/\text{NDF}: 1204.3/16$

Left Out: -16.817 ± 0.500 $\chi^2/\text{NDF}: 43.7/13$

Right Out: -21.124 ± 0.608 $\chi^2/\text{NDF}: 573.6/18$

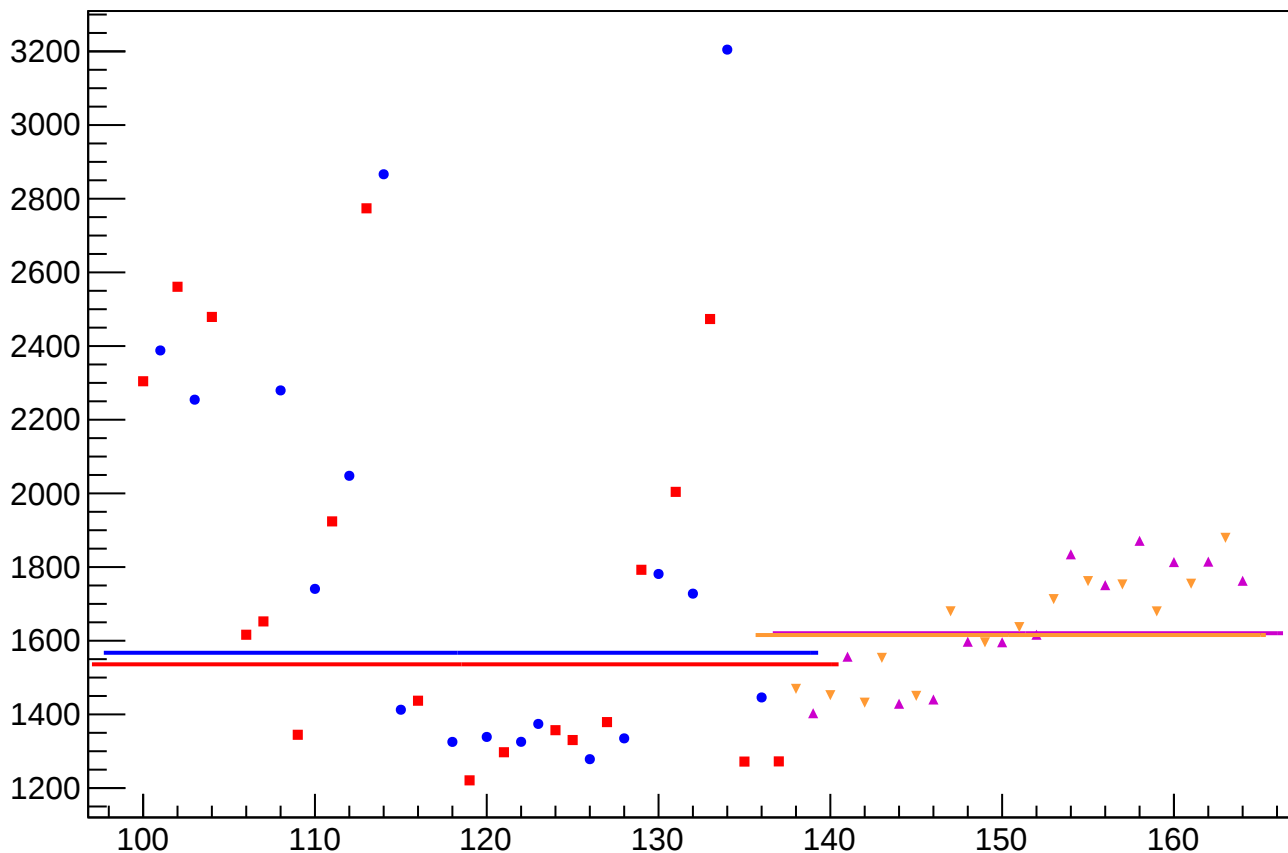
Left In: 26.404 ± 0.508 $\chi^2/\text{NDF}: 197.2/12$

+ sign 4.071 ± 0.394 $\chi^2/\text{NDF}: 5821.8/30$

All: 5.482 ± 0.277 $\chi^2/\text{NDF}: 10212.9/62$

- sign 6.867 ± 0.390 $\chi^2/\text{NDF}: 4365.7/31$

diff_bpm0i07X_rms vs Slug



Right In: 1567.328+/-0.451 χ^2/NDF : 673450.6/16

Left Out: 1615.493+/-0.354 χ^2/NDF : 141139.8/13

Right Out: 1535.967+/-0.430 χ^2/NDF : 882098.2/18

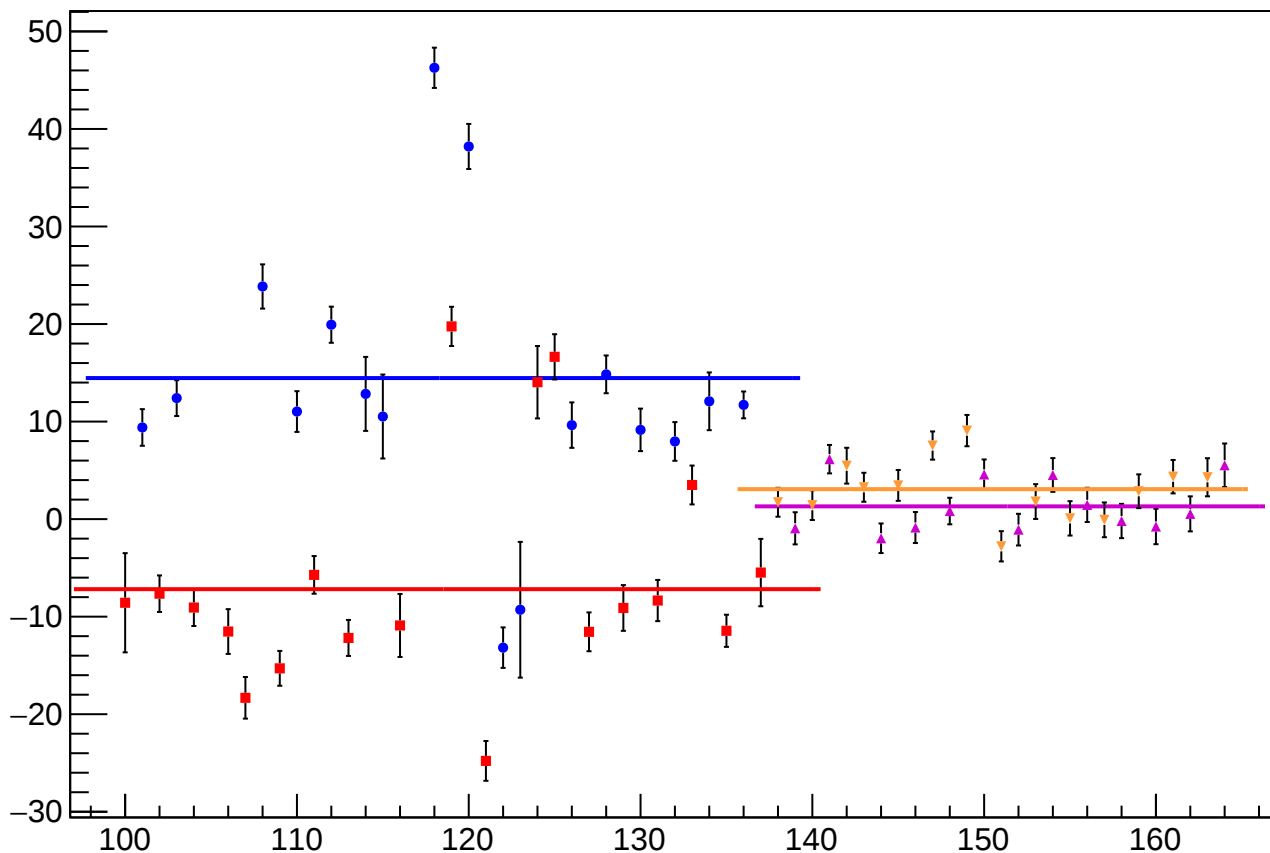
Left In: 1620.404+/-0.359 χ^2/NDF : 196542.3/12

+ sign 1597.133+/-0.278 χ^2/NDF : 821658.0/30

All: 1591.364+/-0.196 χ^2/NDF : 1923842.7/62

- sign 1585.696+/-0.276 χ^2/NDF : 1101332.5/31

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 ± 0.523 χ^2/NDF : 595.9/16

Left Out: 3.073 ± 0.438 χ^2/NDF : 49.1/13

Right Out: -7.181 ± 0.494 χ^2/NDF : 495.7/18

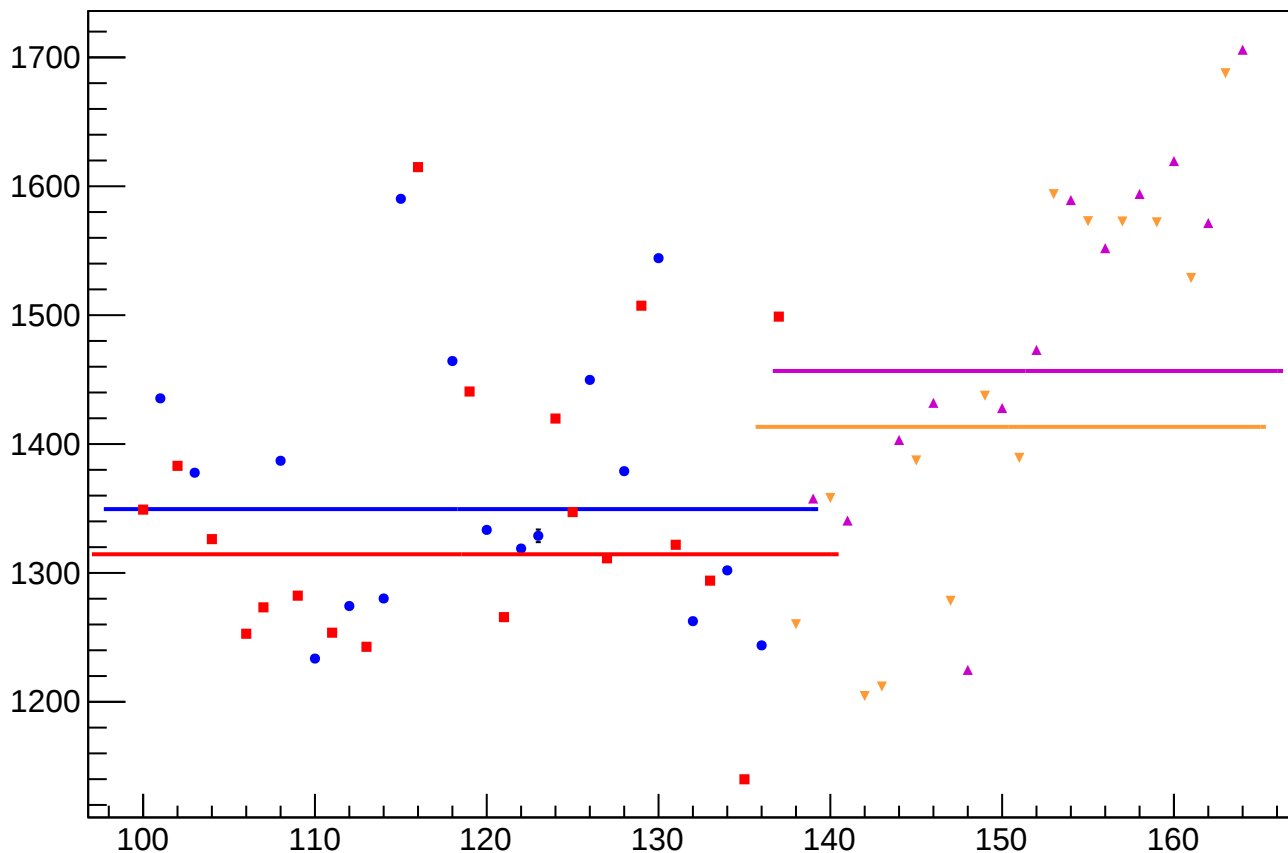
Left In: 1.307 ± 0.456 χ^2/NDF : 35.4/12

+ sign 7.771 ± 0.336 χ^2/NDF : 923.3/30

All: 2.575 ± 0.237 χ^2/NDF : 2090.6/62

- sign -2.596 ± 0.335 χ^2/NDF : 690.3/31

diff_bpm0i07Y_rms vs Slug



Right In: 1349.522 $\pm$ 0.370 χ^2 /NDF: 64667.6/16

Left Out: 1413.328 $\pm$ 0.310 χ^2 /NDF: 223613.9/13

Right Out: 1314.485 $\pm$ 0.350 χ^2 /NDF: 80952.7/18

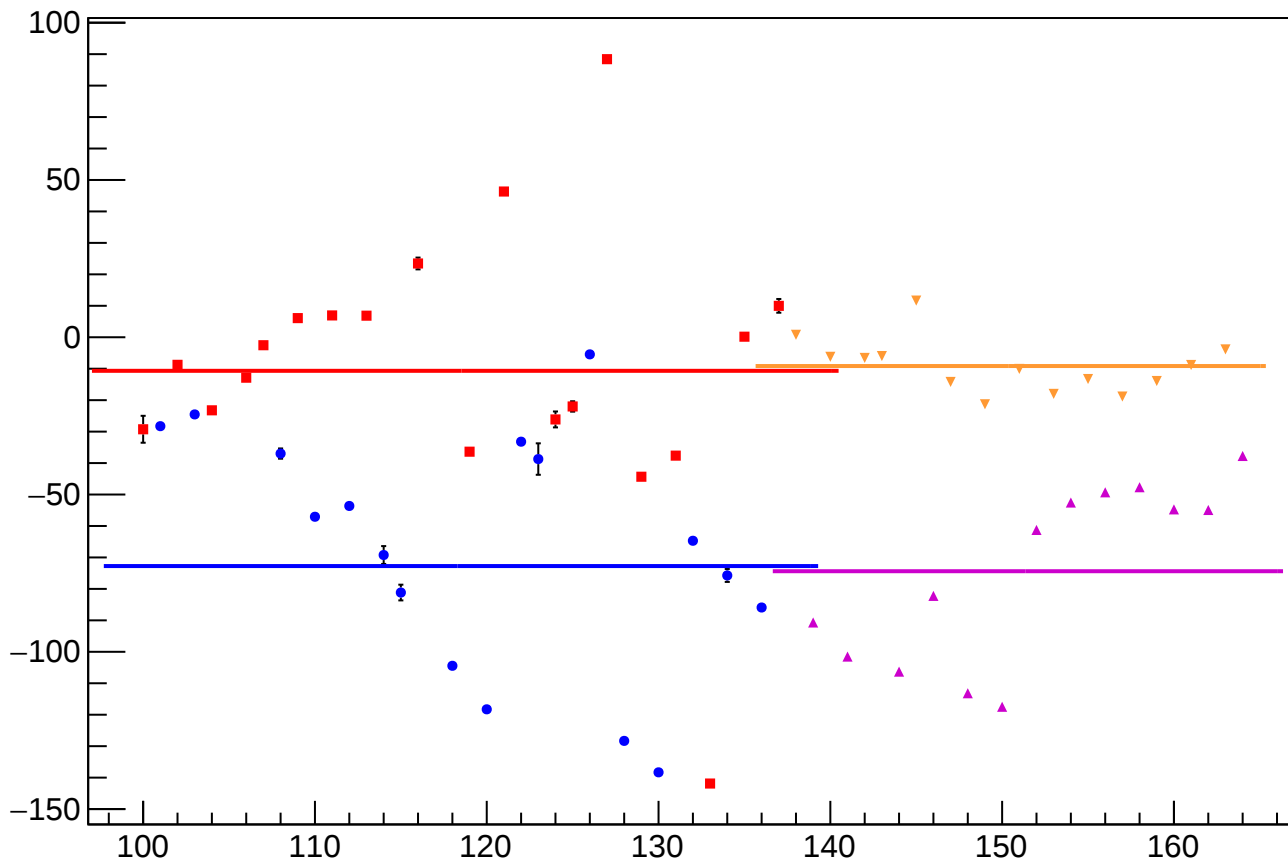
Left In: 1456.705 $\pm$ 0.323 χ^2 /NDF: 160932.8/12

+ sign 1387.006 $\pm$ 0.238 χ^2 /NDF: 305755.4/30

All: 1389.163 $\pm$ 0.168 χ^2 /NDF: 637217.5/62

- sign 1391.310 $\pm$ 0.237 χ^2 /NDF: 331297.6/31

diff_bpm1i02X_mean vs Slug



Right In: -72.741 ± 0.362 $\chi^2/\text{NDF}: 11690.4/16$

Left Out: -9.151 ± 0.291 $\chi^2/\text{NDF}: 826.6/13$

Right Out: -10.671 ± 0.352 $\chi^2/\text{NDF}: 18171.0/18$

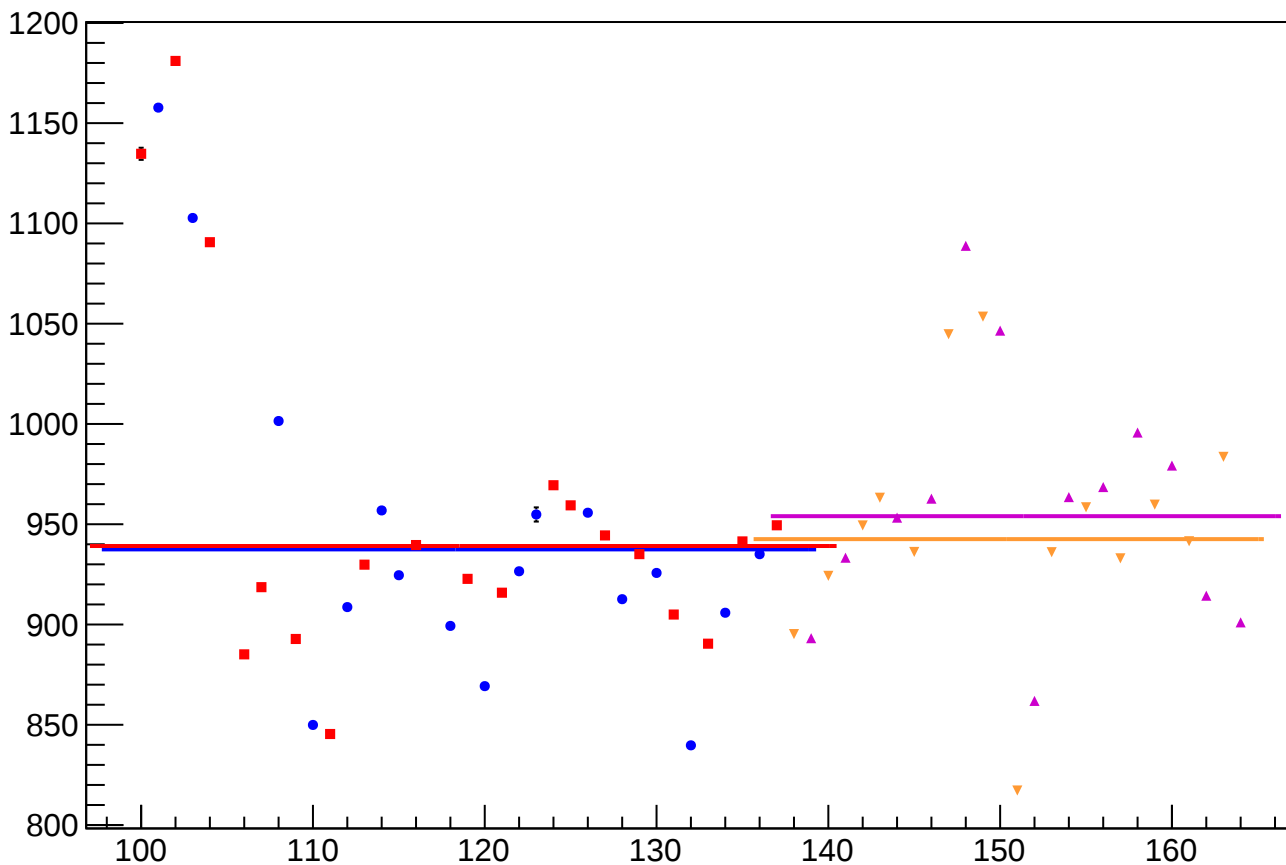
Left In: -74.381 ± 0.298 $\chi^2/\text{NDF}: 7821.8/12$

+ sign -34.109 ± 0.227 $\chi^2/\text{NDF}: 31226.6/30$

All: -40.943 ± 0.161 $\chi^2/\text{NDF}: 78096.2/62$

- sign -47.808 ± 0.228 $\chi^2/\text{NDF}: 45053.1/31$

diff_bpm1i02X_rms vs Slug



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

Left Out: 942.574+/-0.206 χ^2/NDF : 79864.8/13

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

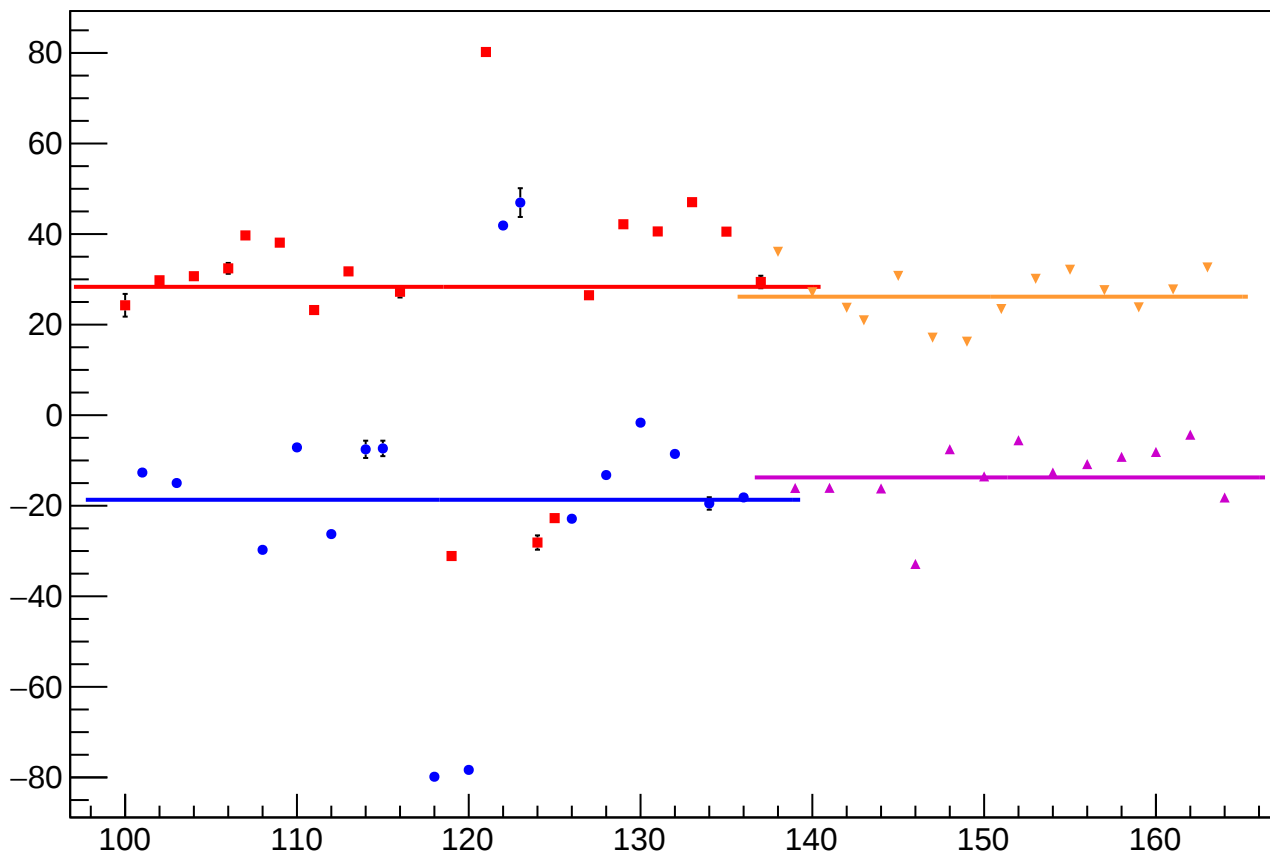
Left In: 954.019+/-0.211 χ^2/NDF : 75798.7/12

+ sign 940.565+/-0.161 χ^2/NDF : 178415.1/30

All: 944.180+/-0.114 χ^2/NDF : 347563.5/62

- sign 947.813+/-0.161 χ^2/NDF : 168131.2/31

diff_bpm1i02Y_mean vs Slug



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

Left Out: 26.171 ± 0.223 χ^2/NDF : 692.8/13

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

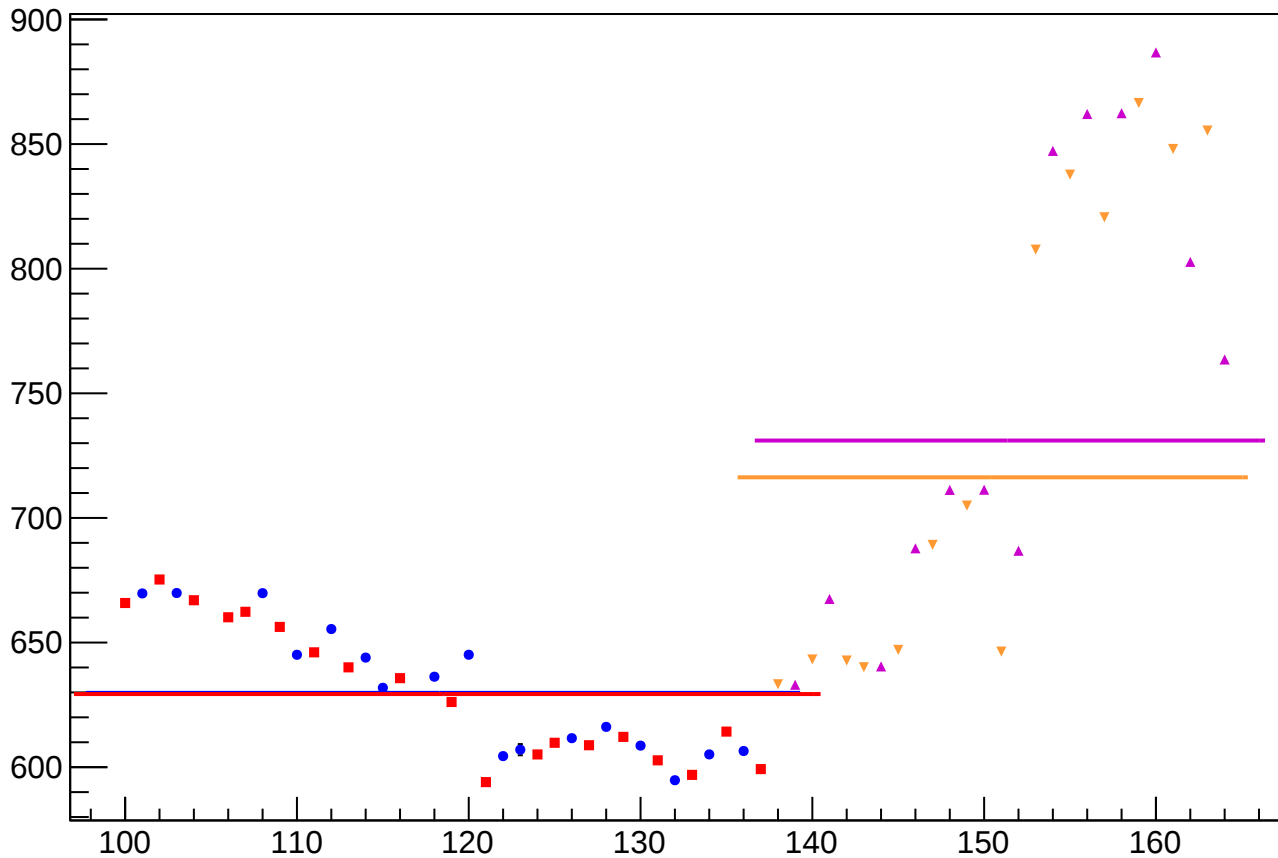
Left In: -13.746 ± 0.230 χ^2/NDF : 1031.4/12

+ sign 5.656 ± 0.164 χ^2/NDF : 32239.0/30

All: 6.214 ± 0.116 χ^2/NDF : 62181.2/62

- sign 6.773 ± 0.164 χ^2/NDF : 29919.1/31

diff_bpm1i02Y_rms vs Slug



Right In: 629.815 $\pm$ 0.172 χ^2 /NDF: 23298.3/16

Left Out: 716.295 $\pm$ 0.158 χ^2 /NDF: 320735.4/13

Right Out: 629.340 $\pm$ 0.166 χ^2 /NDF: 25538.5/18

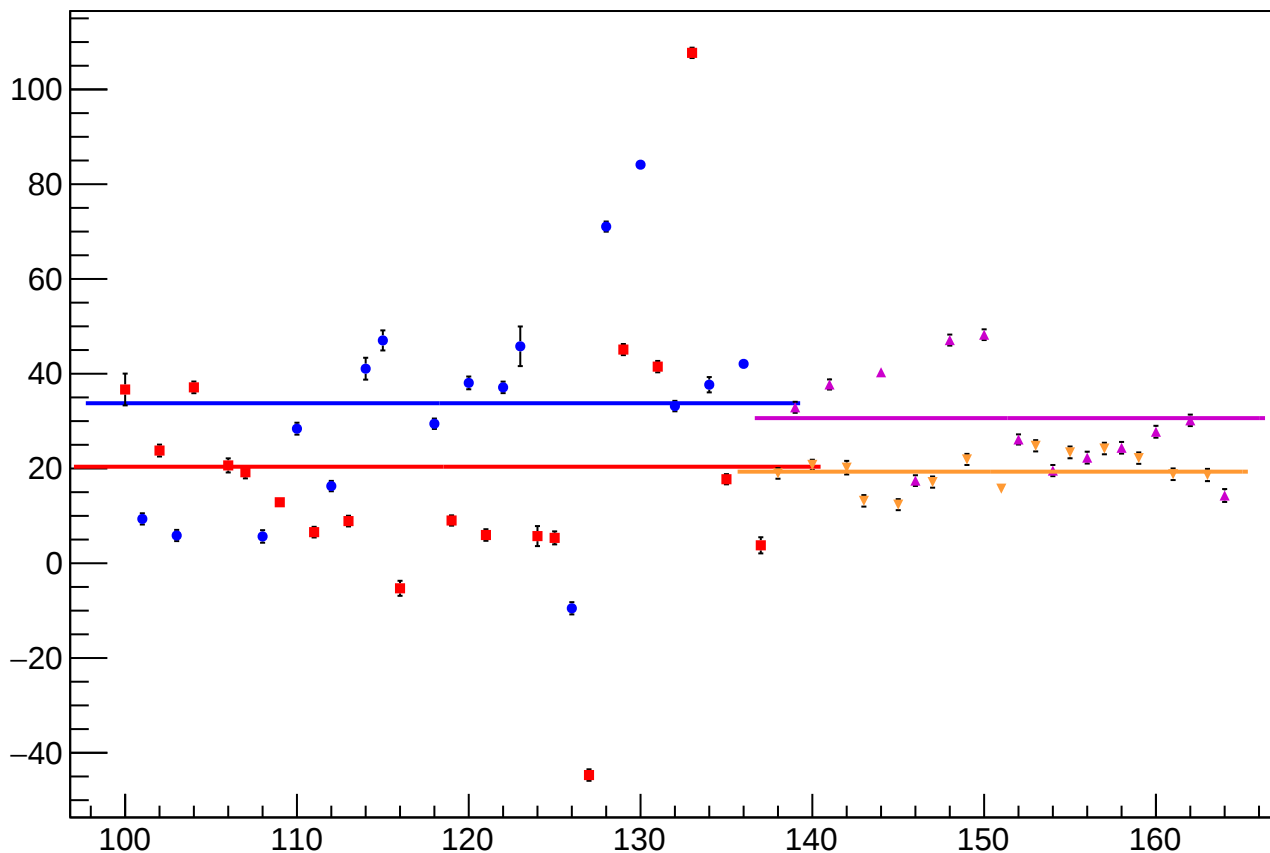
Left In: 731.055 $\pm$ 0.162 χ^2 /NDF: 266952.3/12

+ sign 676.742 $\pm$ 0.116 χ^2 /NDF: 481874.2/30

All: 679.102 $\pm$ 0.082 χ^2 /NDF: 966482.4/62

- sign 681.471 $\pm$ 0.116 χ^2 /NDF: 483779.3/31

diff_bpm1i04X_mean vs Slug



Right In: 33.773+/-0.300 χ^2 /NDF: 6487.9/16

Left Out: 19.332+/-0.318 χ^2 /NDF:137.5/13

Right Out: 20.375+/-0.293 χ^2 /NDF: 11287.7/18

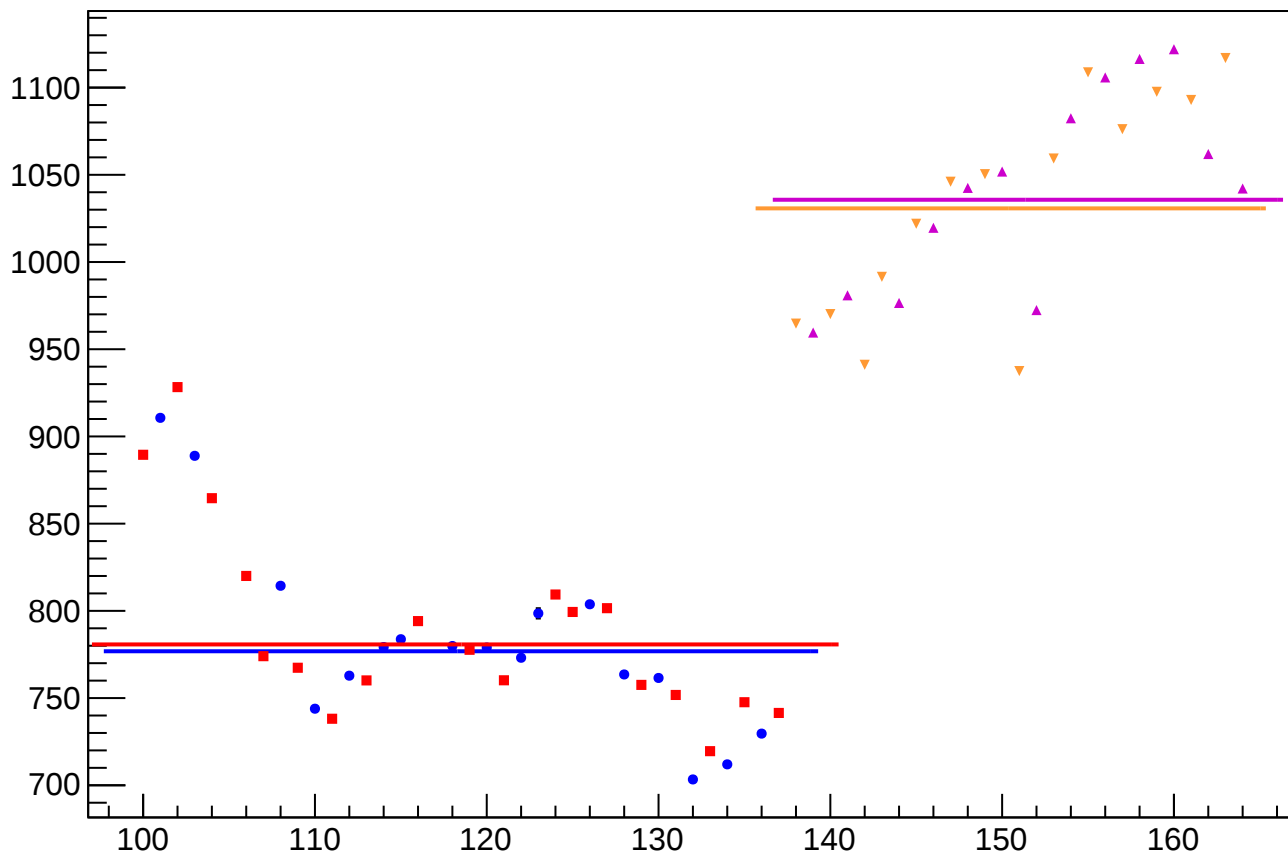
Left In: 30.631+/-0.323 χ^2 /NDF:1037.0/12

+ sign 26.983+/-0.218 χ^2 /NDF: 7715.6/30

All: 25.981+/-0.154 χ^2 /NDF: 20635.4/62

- sign 24.990+/-0.217 χ^2 /NDF: 12877.9/31

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1030.755 $\pm$ 0.225 χ^2 /NDF: 71863.8/13

Right Out: 780.755 $\pm$ 0.207 χ^2 /NDF: 57428.9/18

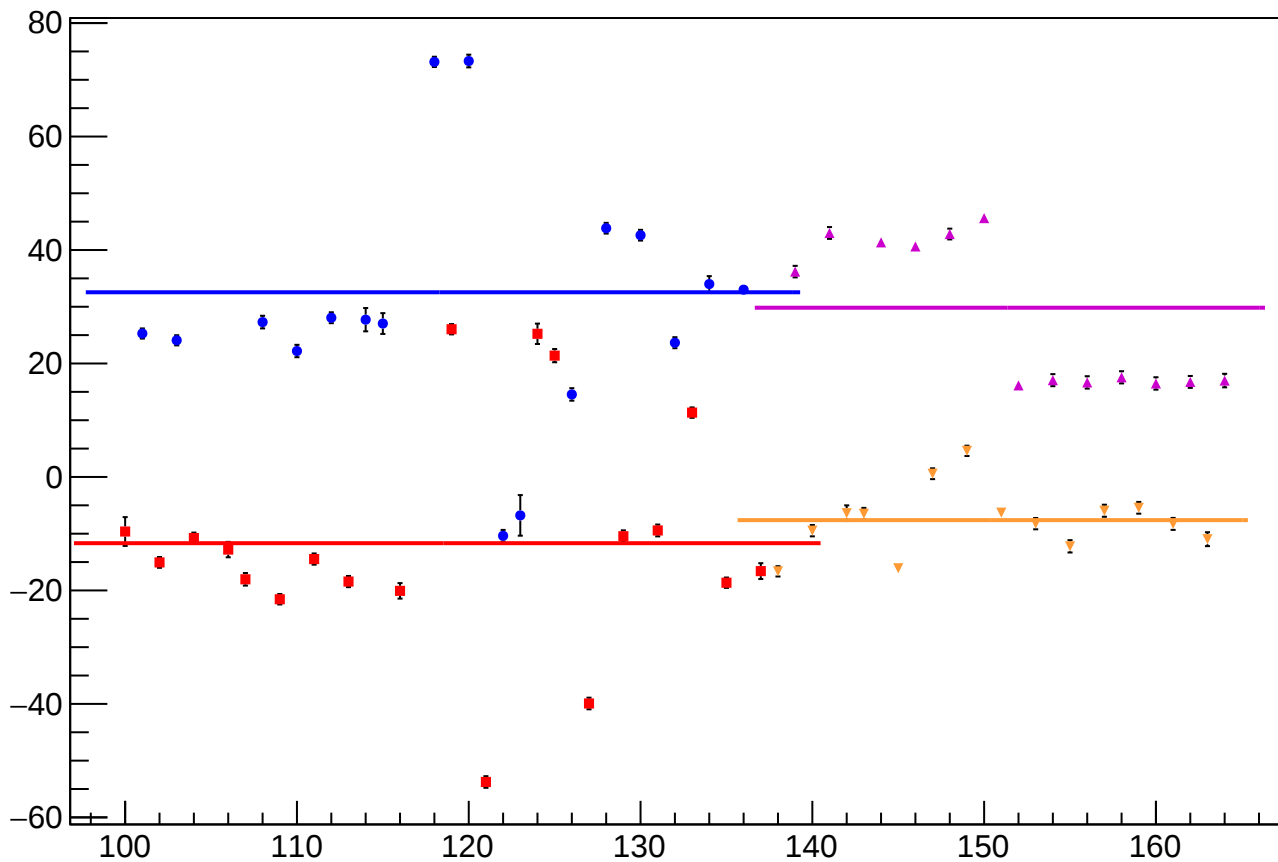
Left In: 1035.700 $\pm$ 0.229 χ^2 /NDF: 56421.0/12

+ sign 896.227 $\pm$ 0.154 χ^2 /NDF: 813490.0/30

All: 895.855 $\pm$ 0.109 χ^2 /NDF: 1611017.2/62

- sign 895.487 $\pm$ 0.153 χ^2 /NDF: 797515.6/31

diff_bpm1i04Y_mean vs Slug



Right In: 32.552 $\pm$ 0.253 χ^2 /NDF: 6073.0/16

Left Out: -7.613 $\pm$ 0.268 χ^2 /NDF: 484.0/13

Right Out: -11.674 $\pm$ 0.247 χ^2 /NDF: 6357.6/18

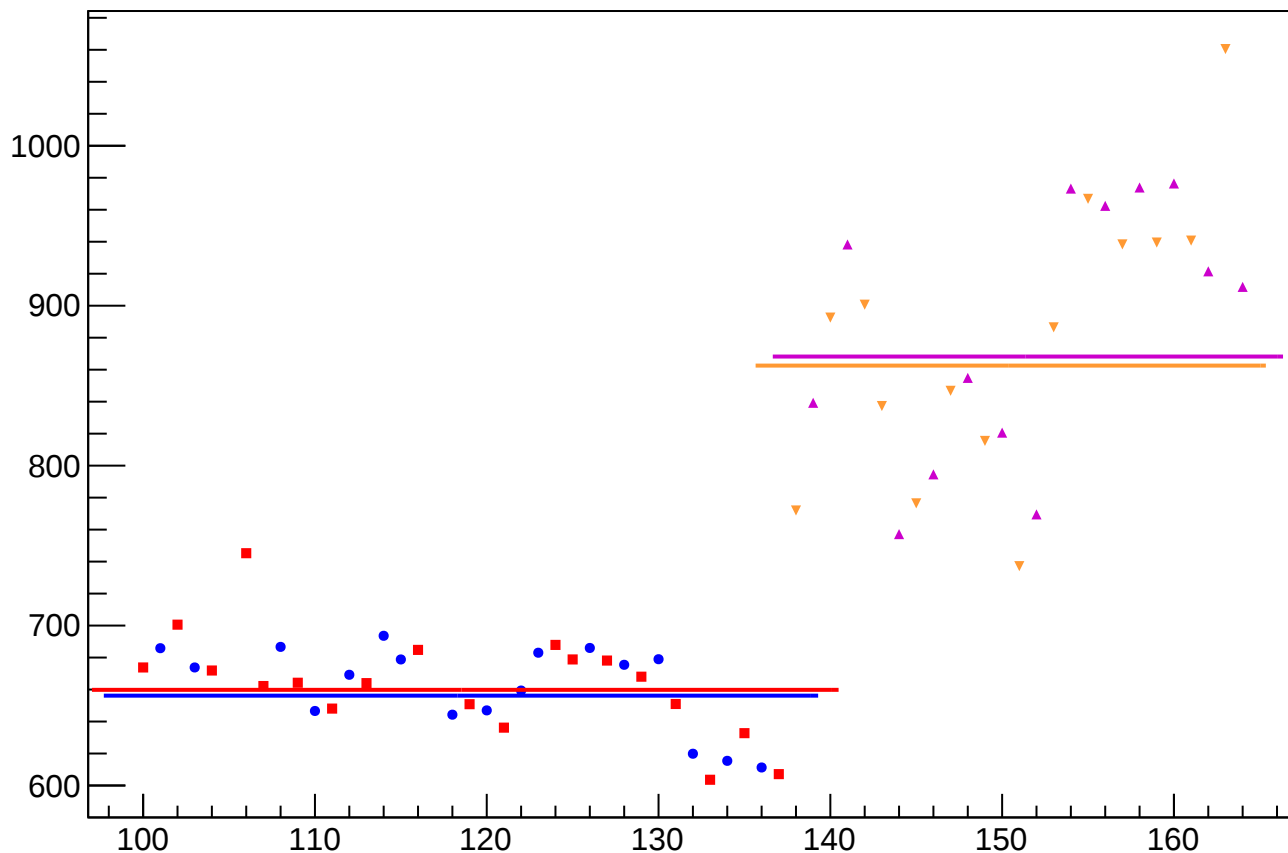
Left In: 29.830 $\pm$ 0.273 χ^2 /NDF: 2146.7/12

+ sign 13.614 $\pm$ 0.184 χ^2 /NDF: 18453.8/30

All: 10.303 $\pm$ 0.130 χ^2 /NDF: 40321.7/62

- sign 7.019 $\pm$ 0.183 χ^2 /NDF: 21221.9/31

diff_bpm1i04Y_rms vs Slug



Right In: 656.181 $\pm$ 0.179 χ^2 /NDF: 23569.6/16

Left Out: 862.550 $\pm$ 0.189 χ^2 /NDF:199286.9/13

Right Out: 659.813 $\pm$ 0.175 χ^2 /NDF: 28325.7/18

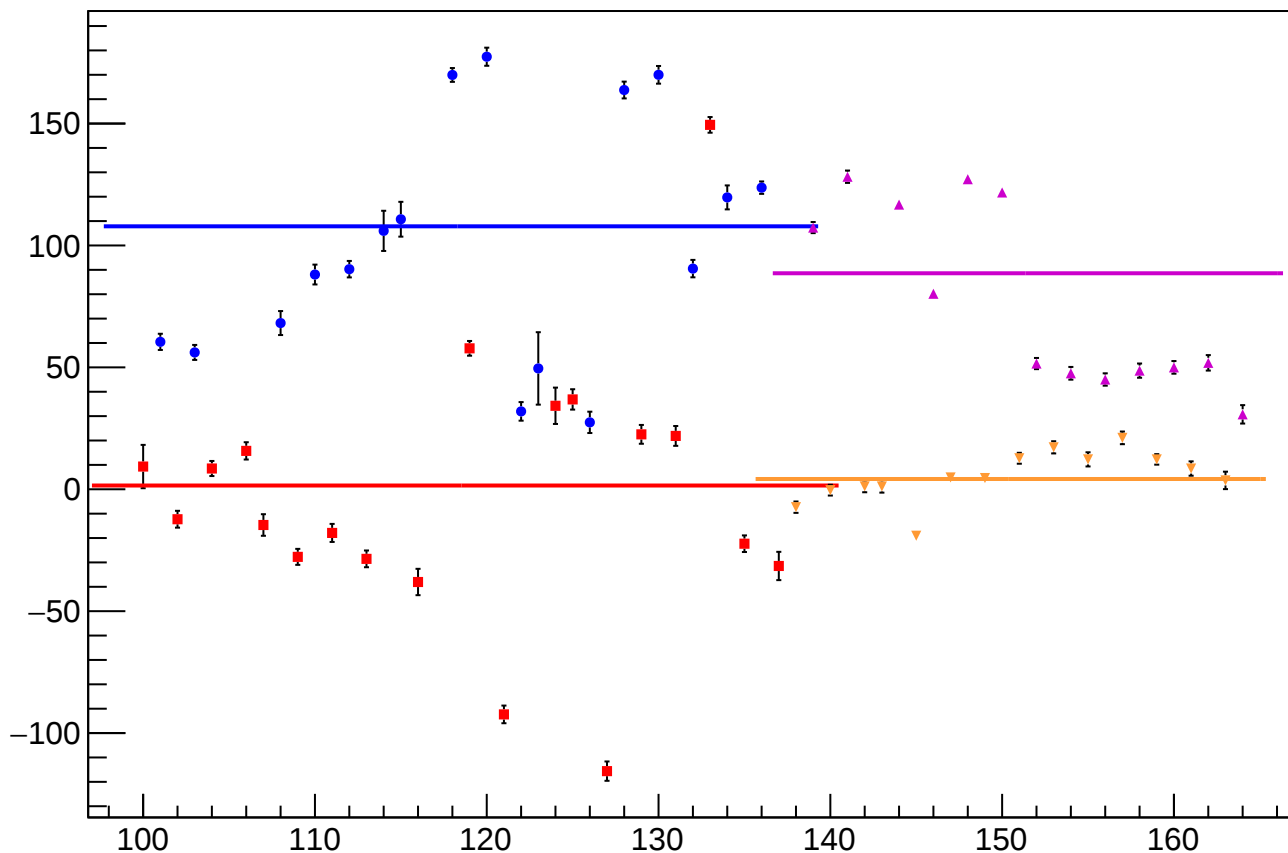
Left In: 868.208 $\pm$ 0.193 χ^2 /NDF:174824.8/12

+ sign 753.486 $\pm$ 0.130 χ^2 /NDF: 850974.8/30

All: 753.579 $\pm$ 0.092 χ^2 /NDF: 1695375.3/62

- sign 753.671 $\pm$ 0.129 χ^2 /NDF: 844399.4/31

diff_bpm1i06X_mean vs Slug



Right In: 107.852 ± 0.922 χ^2/NDF : 2809.0/16

Left Out: 4.216 ± 0.615 χ^2/NDF : 271.5/13

Right Out: 1.542 ± 0.883 χ^2/NDF : 4523.8/18

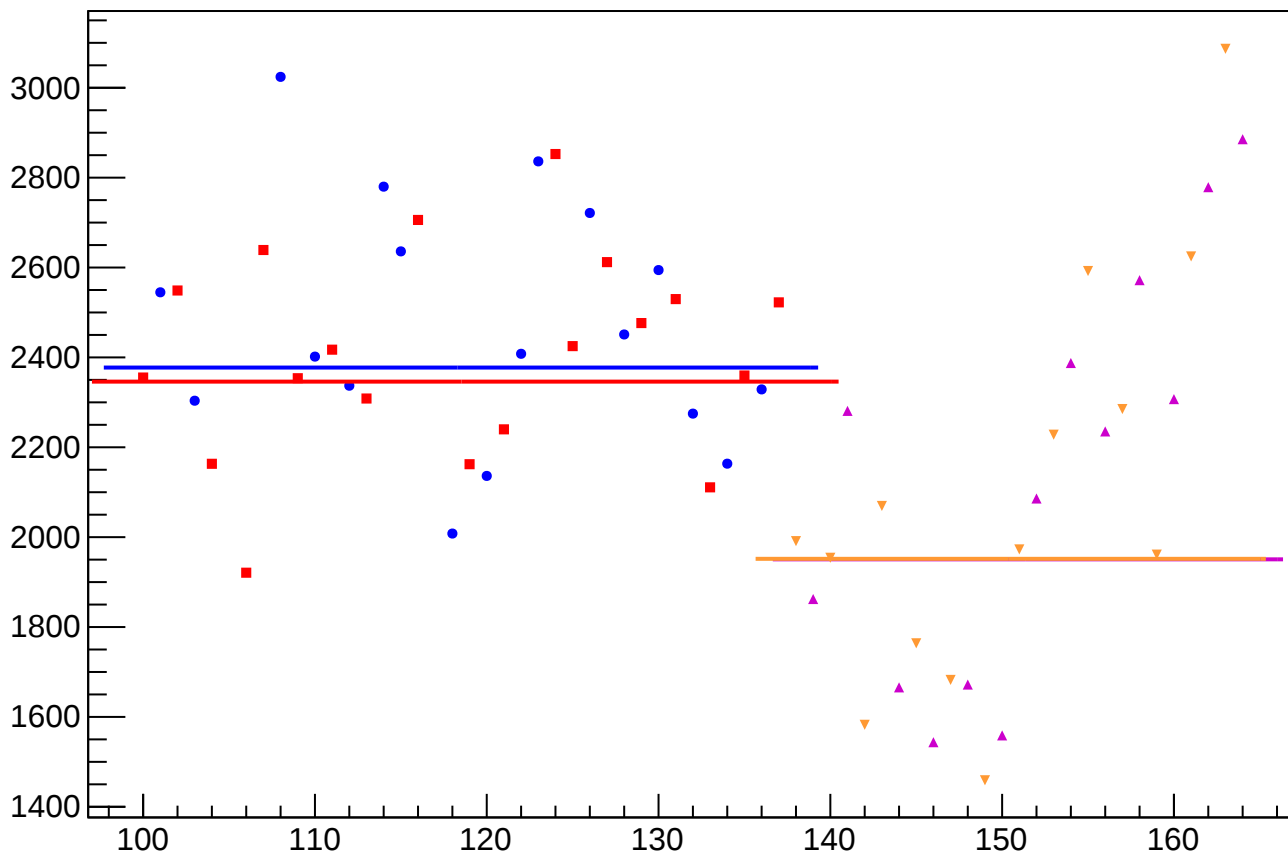
Left In: 88.597 ± 0.626 χ^2/NDF : 2958.3/12

+ sign 36.152 ± 0.512 χ^2/NDF : 11830.5/30

All: 47.847 ± 0.361 χ^2/NDF : 26823.0/62

- sign 59.502 ± 0.511 χ^2/NDF : 13949.0/31

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2 /NDF: 119648.6/16

Left Out: 1951.785+/-0.435 χ^2 /NDF: 750966.8/13

Right Out: 2346.121+/-0.625 χ^2 /NDF: 108257.3/18

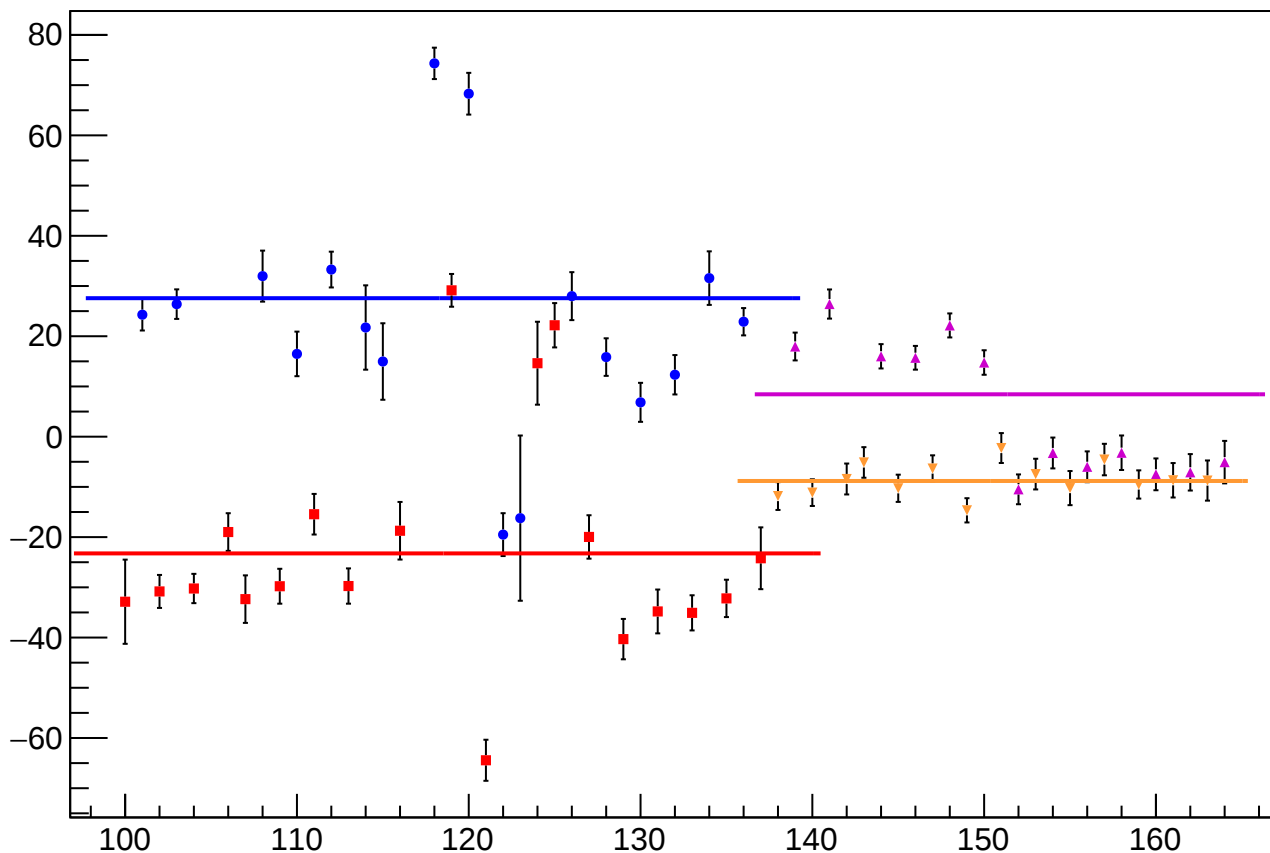
Left In: 1950.640+/-0.443 χ^2 /NDF: 826448.5/12

+ sign 2082.946+/-0.362 χ^2 /NDF: 1165802.3/30

All: 2082.881+/-0.256 χ^2 /NDF: 2367431.5/62

- sign 2082.817+/-0.361 χ^2 /NDF: 1201629.1/31

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 ± 0.975 χ^2/NDF : 519.6/16

Left Out: -8.821 ± 0.786 χ^2/NDF : 17.6/13

Right Out: -23.243 ± 0.927 χ^2/NDF : 557.9/18

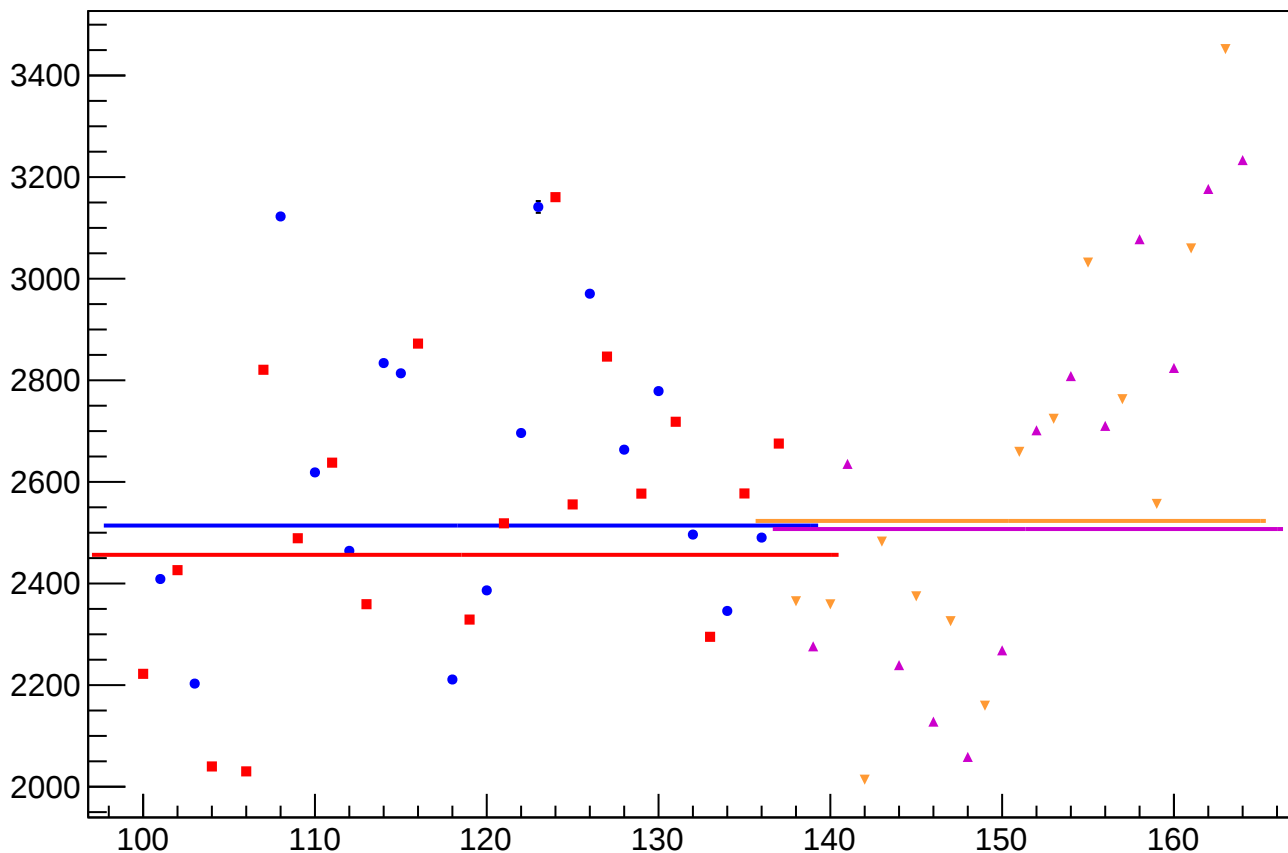
Left In: 8.438 ± 0.795 χ^2/NDF : 251.5/12

+ sign 5.510 ± 0.612 χ^2/NDF : 1382.4/30

All: 0.192 ± 0.430 χ^2/NDF : 3014.2/62

- sign -4.984 ± 0.603 χ^2/NDF : 1482.6/31

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088+/-0.689 χ^2/NDF : 120961.3/16

Left Out: 2523.195+/-0.555 χ^2/NDF : 358380.1/13

Right Out: 2456.460+/-0.655 χ^2/NDF : 149732.7/18

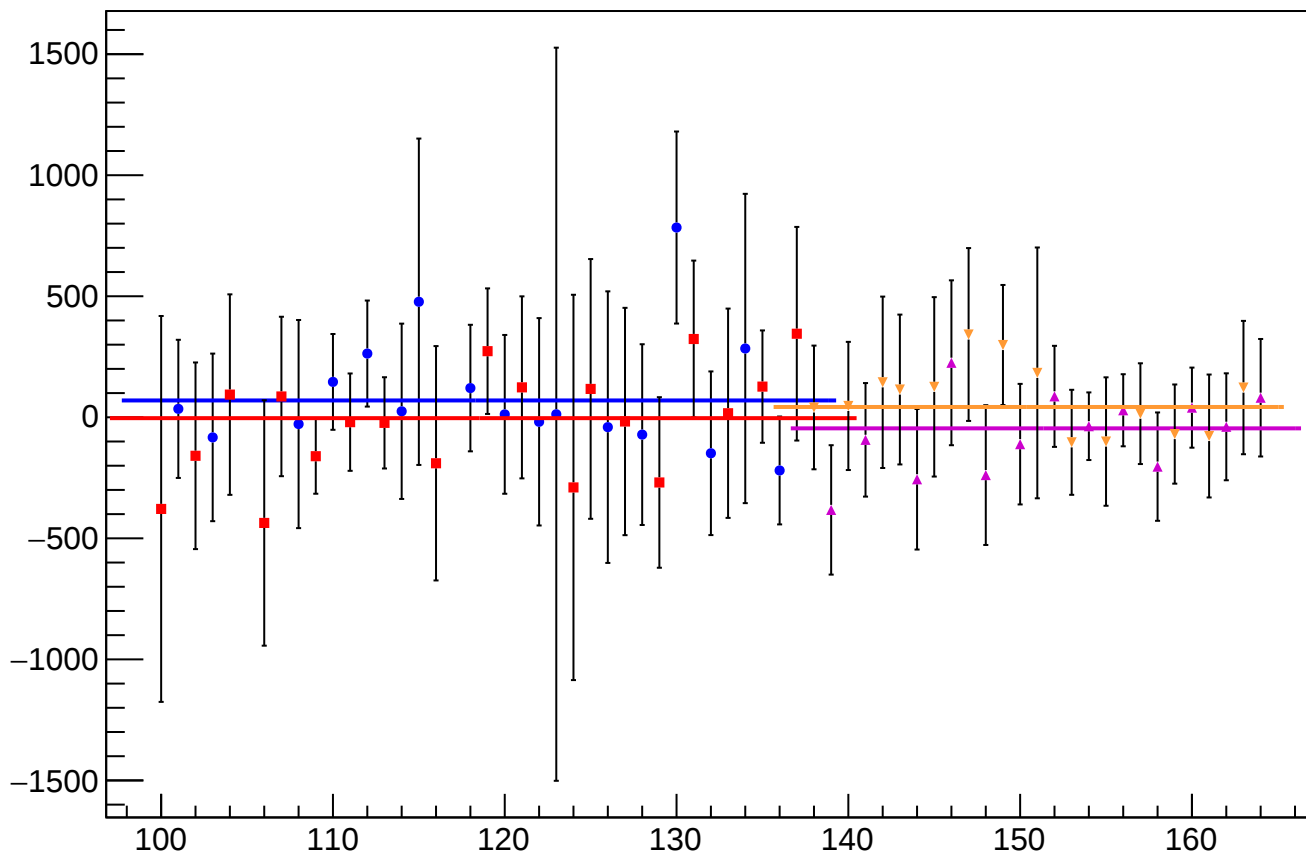
Left In: 2507.226+/-0.562 χ^2/NDF : 422005.3/12

+ sign 2519.609+/-0.433 χ^2/NDF : 479447.2/30

All: 2502.433+/-0.304 χ^2/NDF : 1057754.2/62

- sign 2485.718+/-0.427 χ^2/NDF : 575195.1/31

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: 42.610+/-71.757 χ^2/NDF : 3.4/13

Right Out: -3.562+/-69.980 χ^2/NDF : 6.4/18

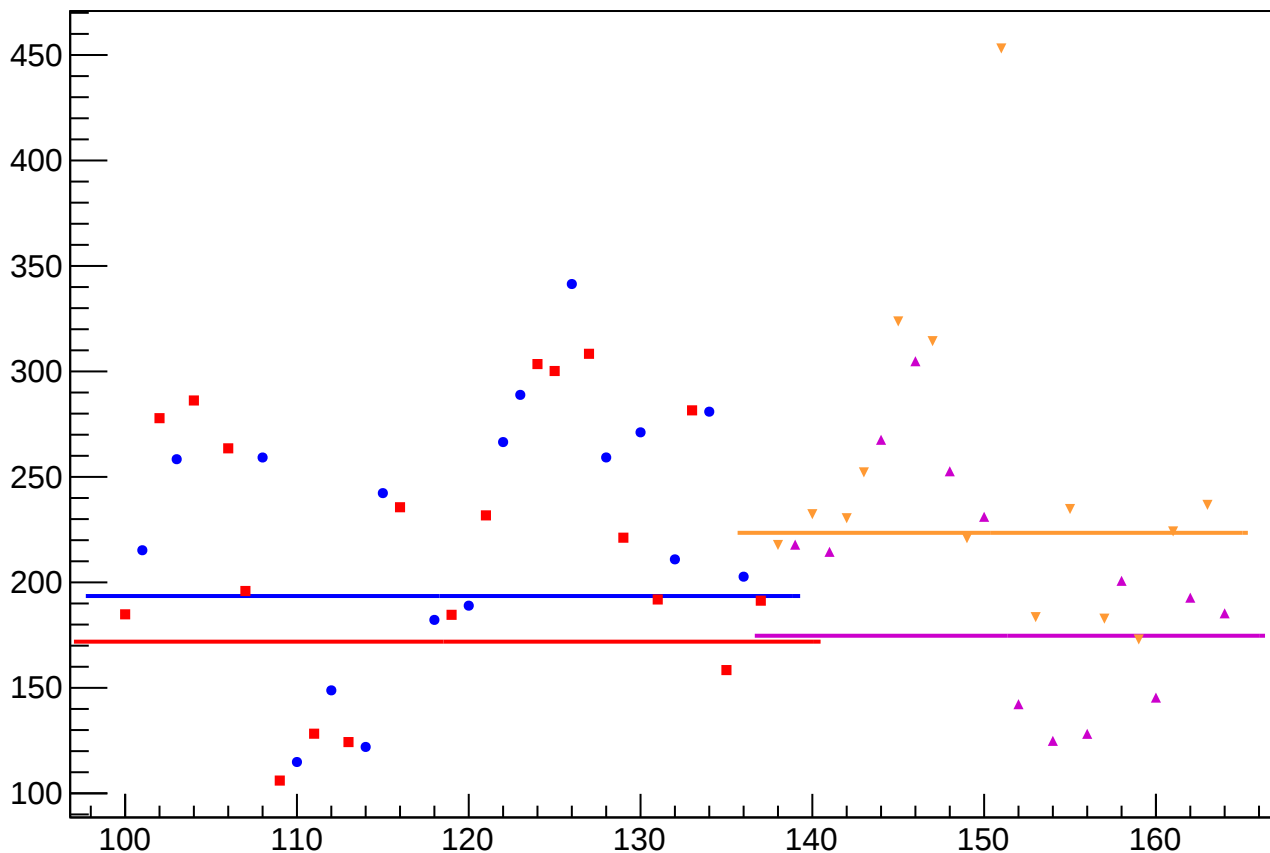
Left In: -45.681+/-58.310 χ^2/NDF : 5.0/12

+ sign 54.801+/-53.123 χ^2/NDF : 10.8/30

All: 6.164+/-34.246 χ^2/NDF : 23.8/62

- sign -28.421+/-44.797 χ^2/NDF : 11.6/31

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.533+/-0.056 χ^2/NDF : 1010428.2/16

Left Out: 223.494+/-0.051 χ^2/NDF : 964559.9/13

Right Out: 171.901+/-0.049 χ^2/NDF : 1576883.7/18

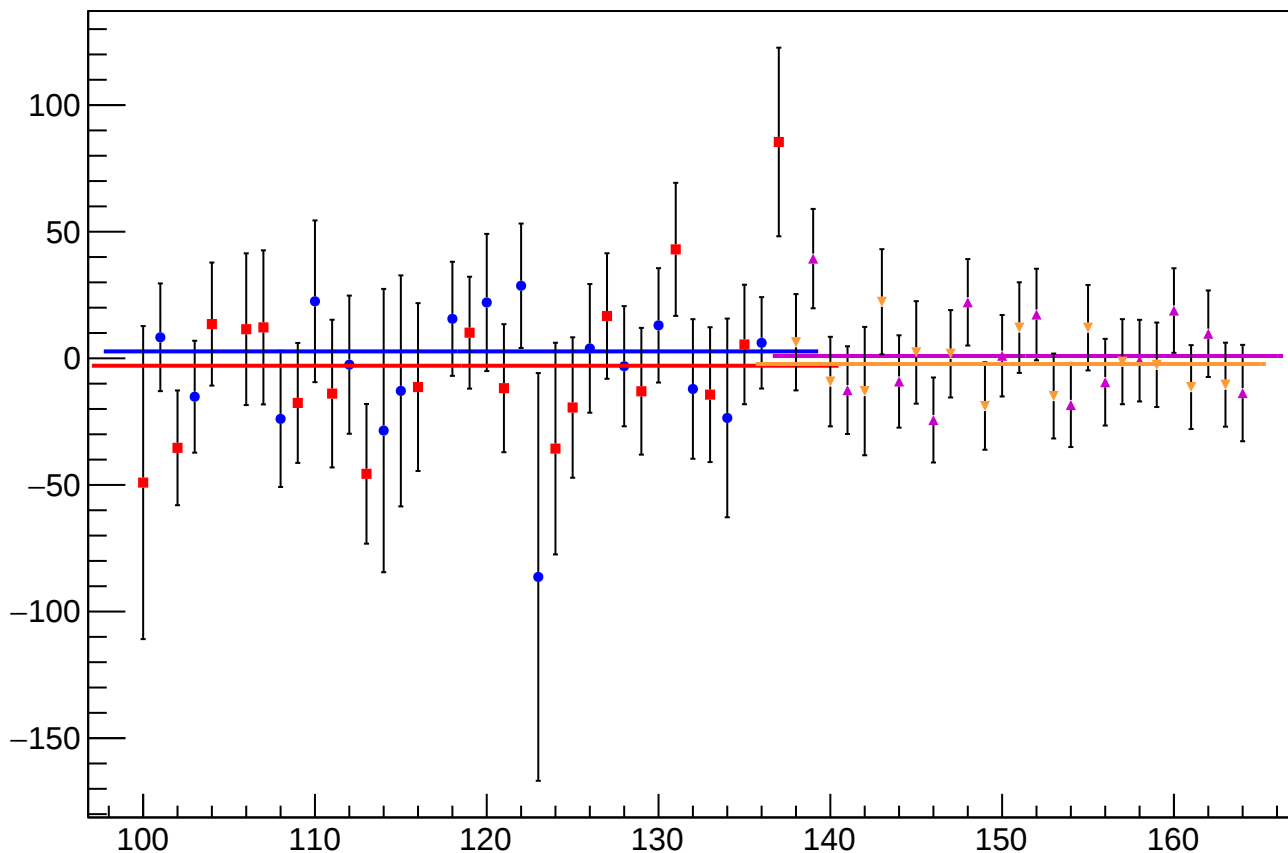
Left In: 174.705+/-0.041 χ^2/NDF : 1459962.9/12

+ sign 209.954+/-0.038 χ^2/NDF : 2132557.6/30

All: 188.682+/-0.024 χ^2/NDF : 5720007.8/62

- sign 173.556+/-0.032 χ^2/NDF : 3038742.9/31

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



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

Left Out: -2.233 ± 4.789 χ^2/NDF : 5.5/13

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

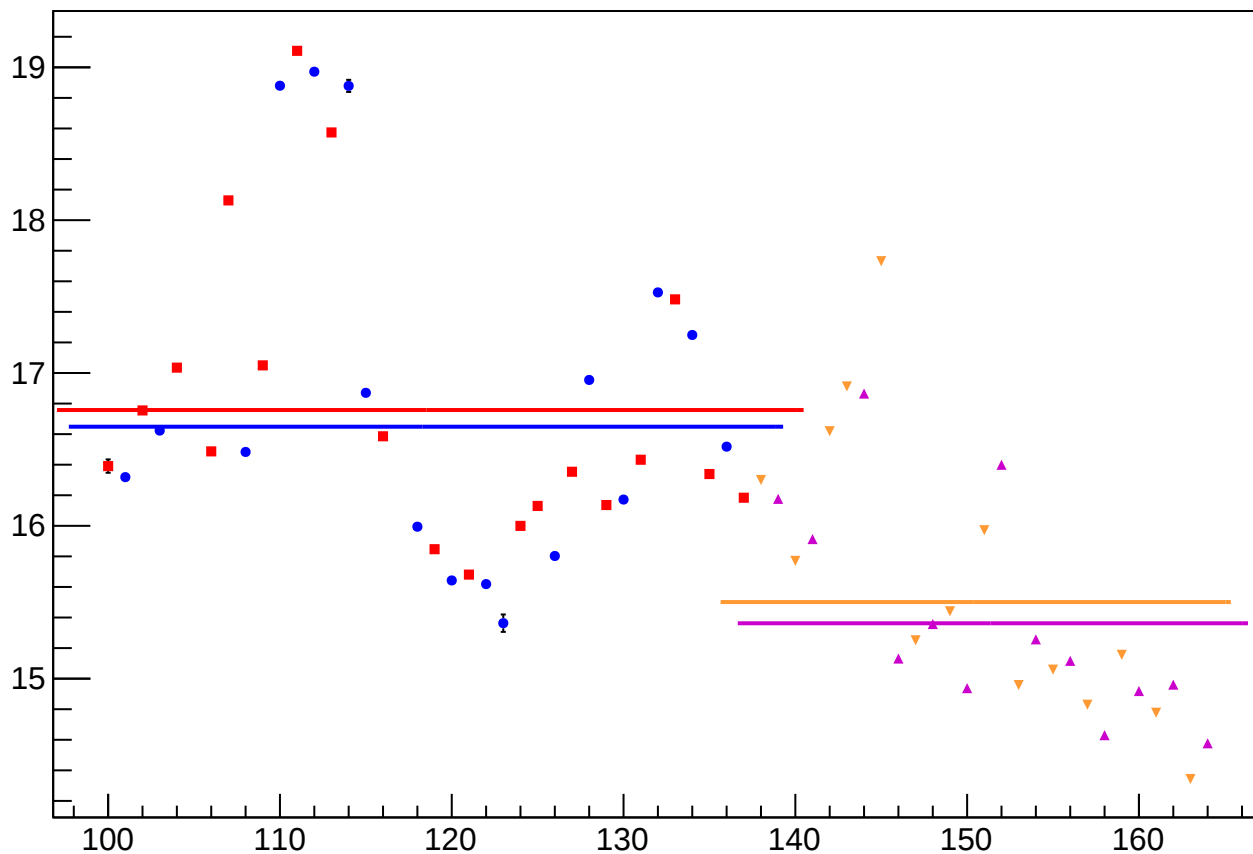
Left In: 0.917 ± 4.795 χ^2/NDF : 13.1/12

+ sign -0.459 ± 3.839 χ^2/NDF : 12.6/30

All: -0.479 ± 2.705 χ^2/NDF : 43.7/62

- sign -0.499 ± 3.811 χ^2/NDF : 31.1/31

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: 15.501 $\pm$ 0.003 χ^2/NDF : 64329.5/13

Right Out: 16.758 $\pm$ 0.004 χ^2/NDF : 39950.7/18

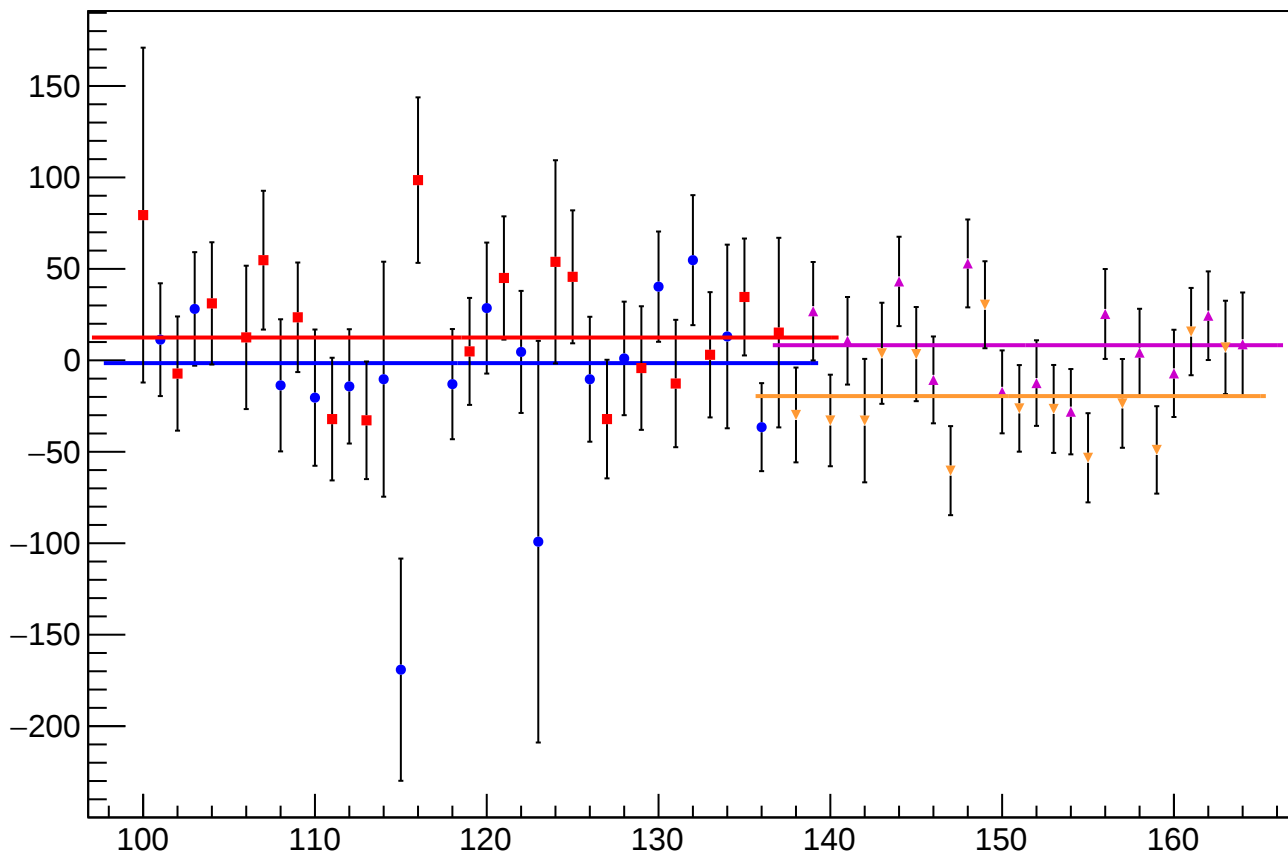
Left In: 15.362 $\pm$ 0.003 χ^2/NDF : 37949.4/12

+ sign 15.911 $\pm$ 0.003 χ^2/NDF : 147900.6/30

All: 15.894 $\pm$ 0.002 χ^2/NDF : 288270.8/62

- sign 15.876 $\pm$ 0.003 χ^2/NDF : 140288.2/31

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.523 $\pm$ 8.485 χ^2/NDF : 17.6/16

Left Out: -19.547 $\pm$ 6.716 χ^2/NDF : 16.2/13

Right Out: 12.475 $\pm$ 8.210 χ^2/NDF : 15.6/18

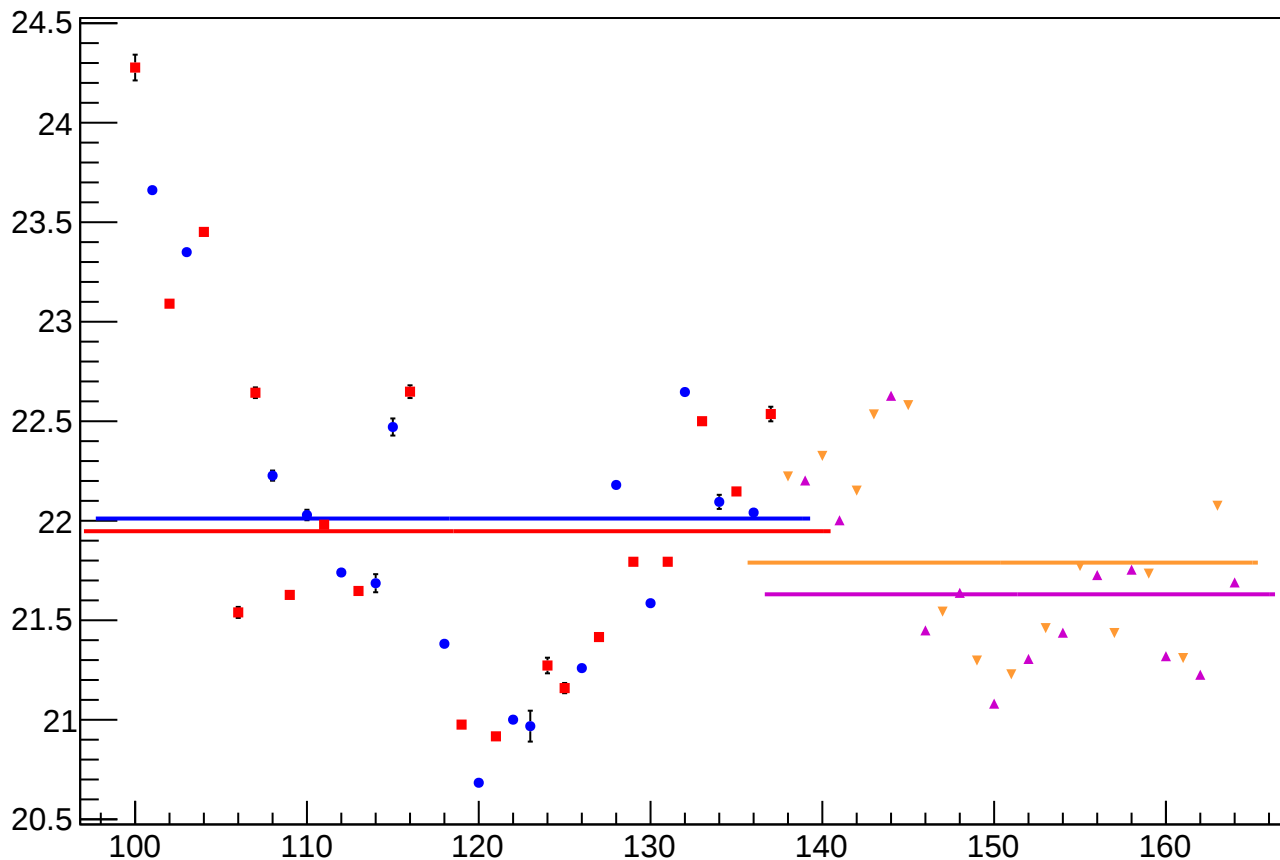
Left In: 8.276 $\pm$ 6.738 χ^2/NDF : 12.5/12

+ sign -12.605 $\pm$ 5.266 χ^2/NDF : 36.6/30

All: -1.196 $\pm$ 3.703 χ^2/NDF : 74.1/62

- sign 9.966 $\pm$ 5.209 χ^2/NDF : 28.2/31

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011 ± 0.006 χ^2/NDF : 17546.9/16

Left Out: 21.790 ± 0.005 χ^2/NDF : 9101.3/13

Right Out: 21.947 ± 0.006 χ^2/NDF : 16592.7/18

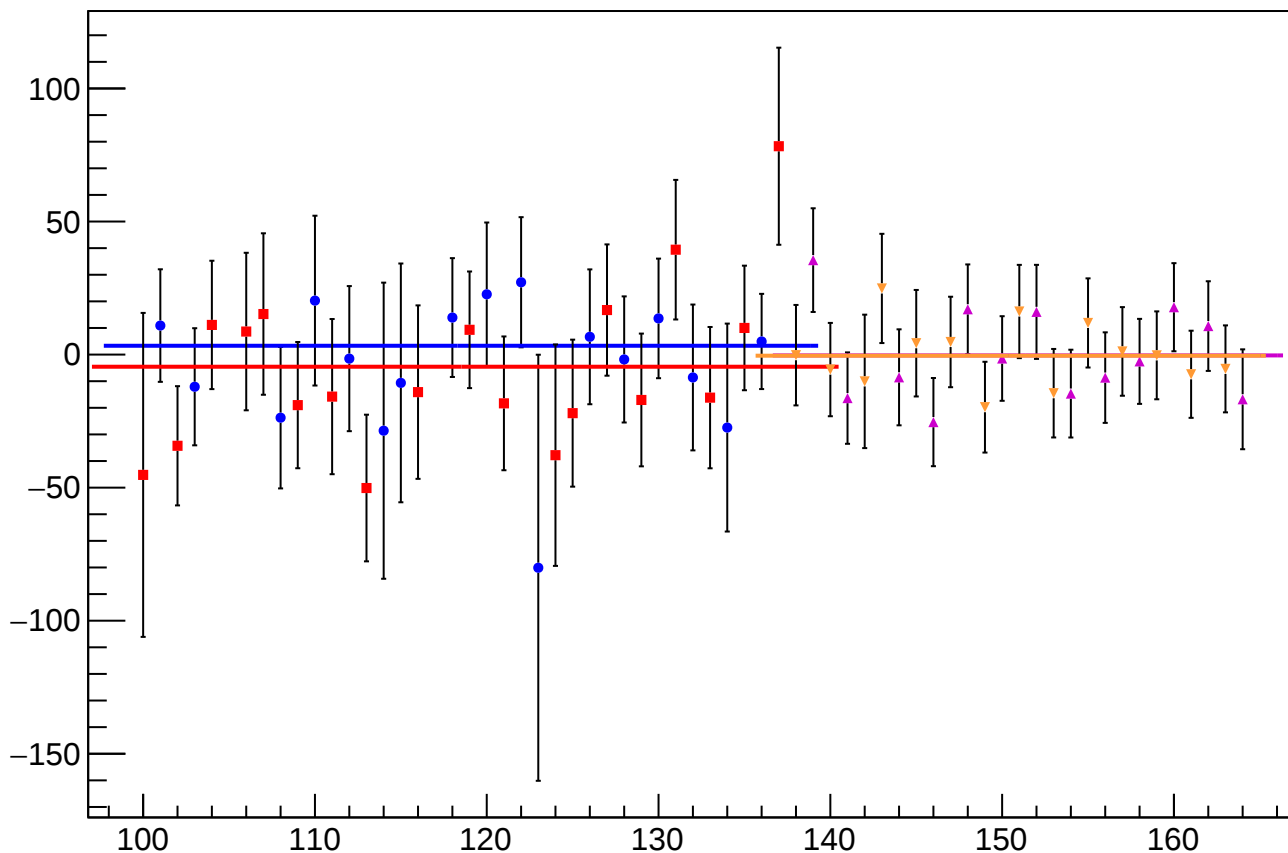
Left In: 21.630 ± 0.005 χ^2/NDF : 7522.4/12

+ sign 21.875 ± 0.004 χ^2/NDF : 27486.1/30

All: 21.816 ± 0.003 χ^2/NDF : 53881.1/62

- sign 21.758 ± 0.004 χ^2/NDF : 25896.5/31

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317 ± 6.388 χ^2/NDF : 6.3/16

Left Out: -0.417 ± 4.735 χ^2/NDF : 5.6/13

Right Out: -4.561 ± 6.244 χ^2/NDF : 17.7/18

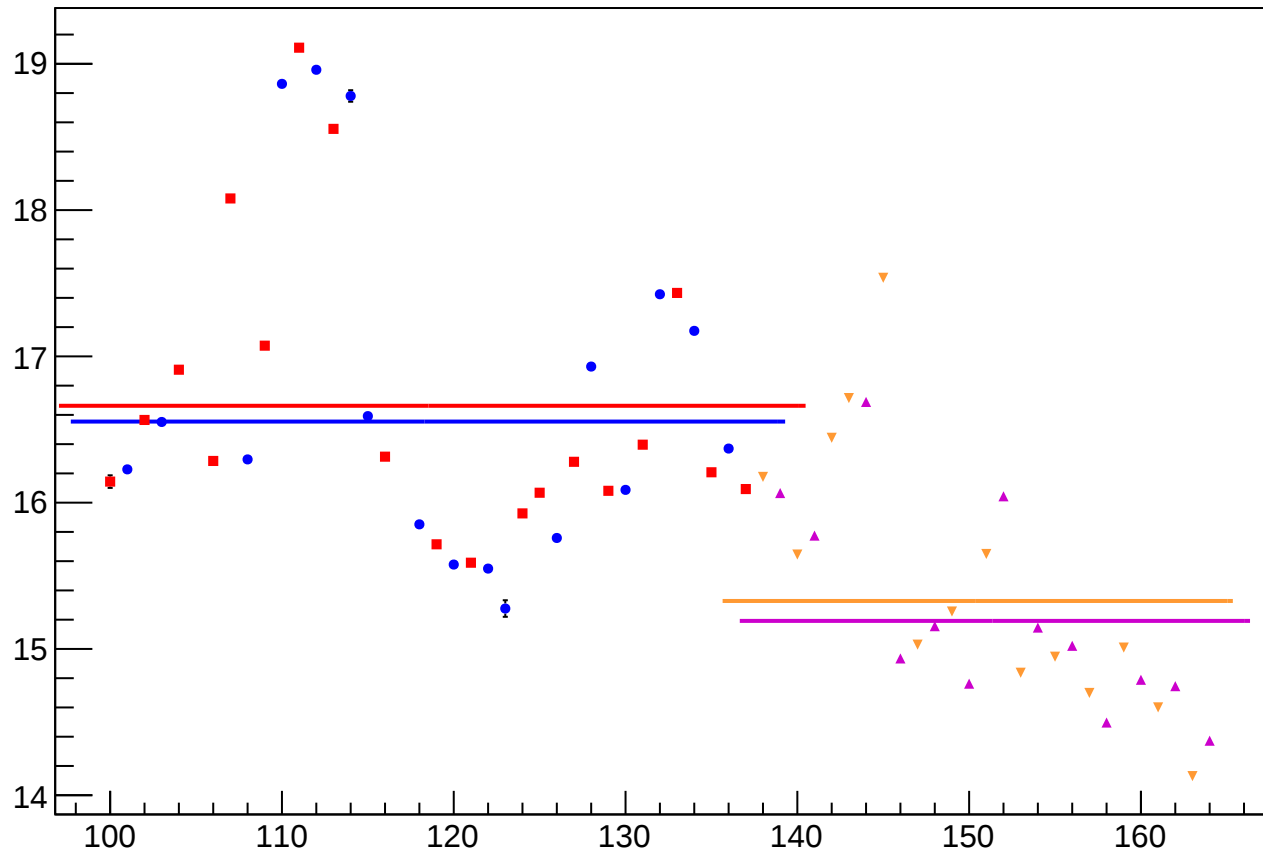
Left In: -0.312 ± 4.741 χ^2/NDF : 12.1/12

+ sign 0.907 ± 3.804 χ^2/NDF : 12.1/30

All: -0.490 ± 2.680 χ^2/NDF : 42.5/62

- sign -1.866 ± 3.776 χ^2/NDF : 30.1/31

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: 15.328 $\pm$ 0.003 χ^2 /NDF: 64547.2/13

Right Out: 16.662 $\pm$ 0.004 χ^2 /NDF: 43063.6/18

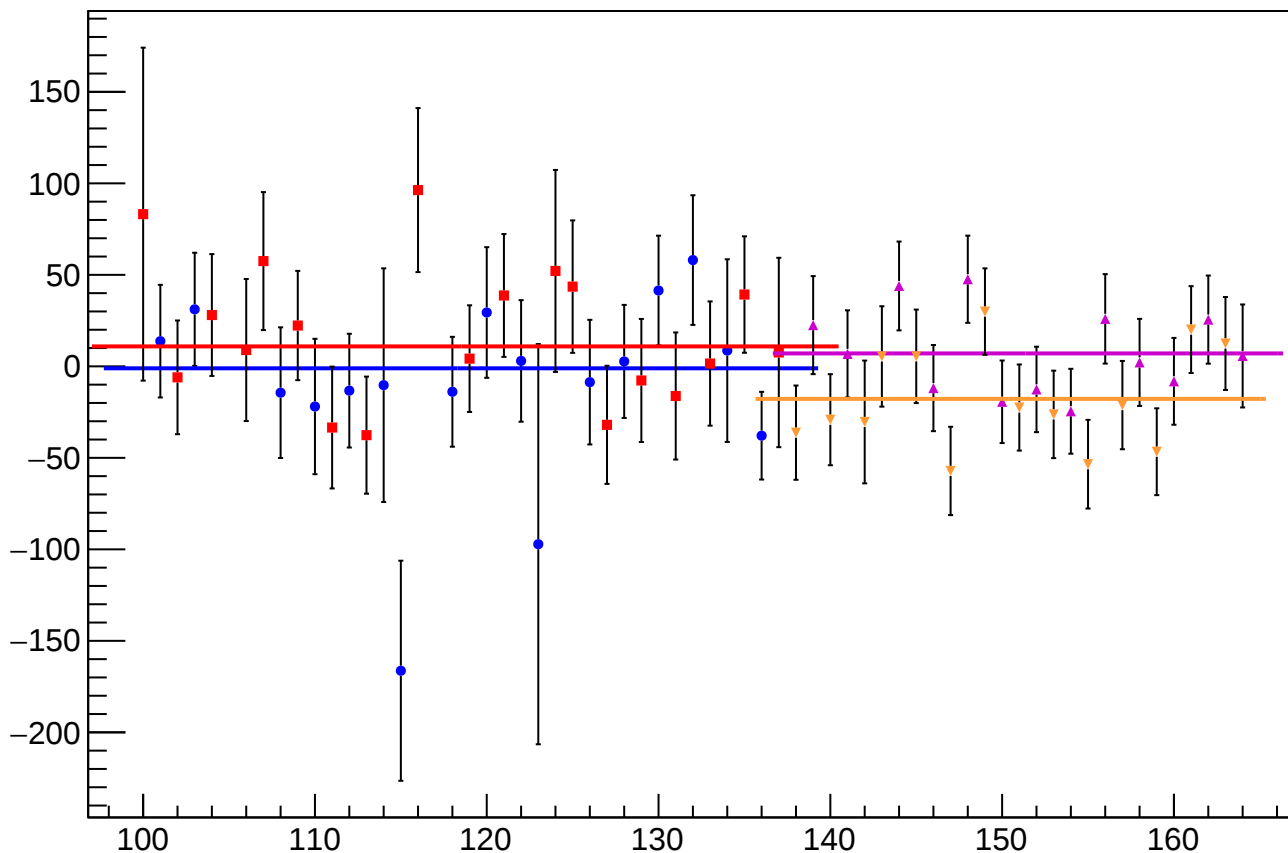
Left In: 15.192 $\pm$ 0.003 χ^2 /NDF: 37092.1/12

+ sign 15.763 $\pm$ 0.003 χ^2 /NDF: 156599.2/30

All: 15.746 $\pm$ 0.002 χ^2 /NDF: 307203.5/62

- sign 15.730 $\pm$ 0.003 χ^2 /NDF: 150527.5/31

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



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

Left Out: -17.785 ± 6.672 χ^2/NDF : 17.0/13

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

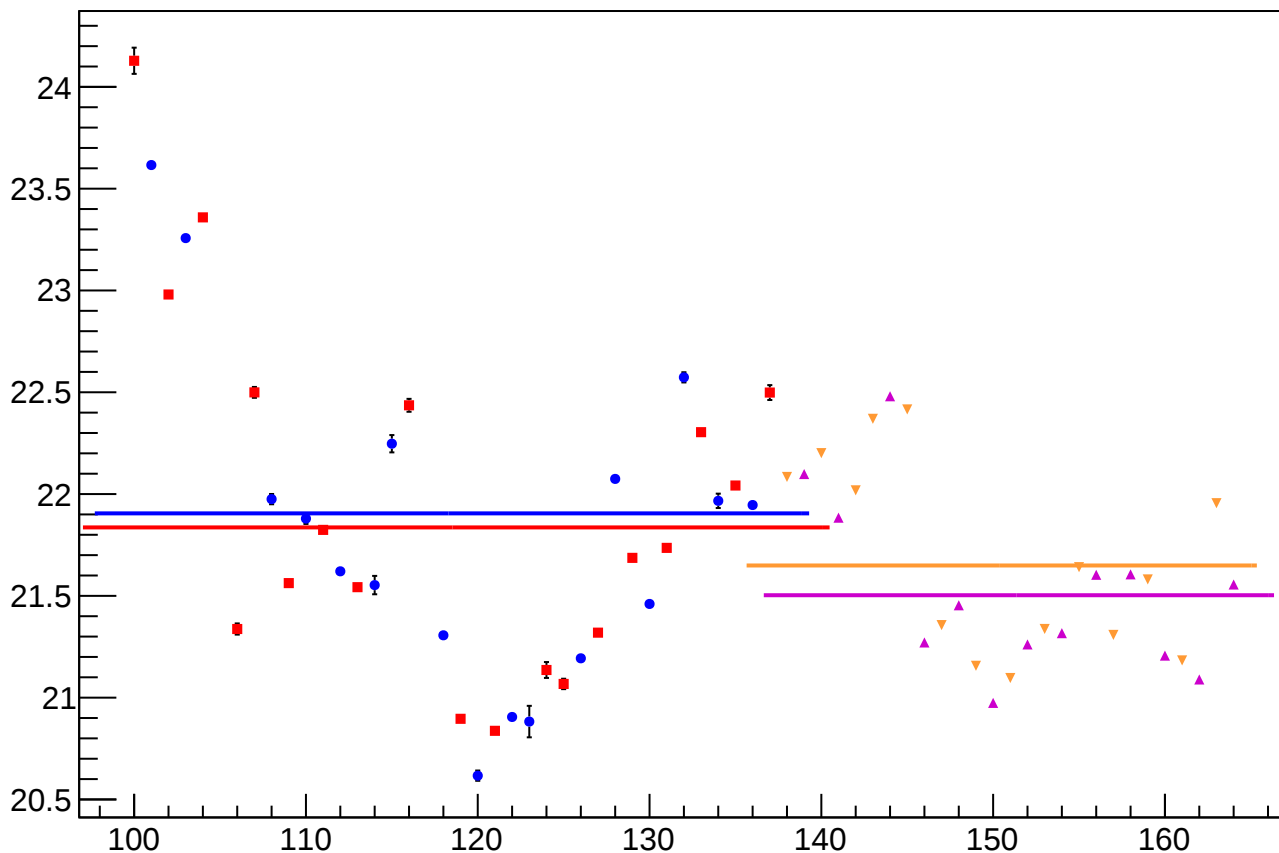
Left In: 7.069 ± 6.699 χ^2/NDF : 11.8/12

+ sign -11.360 ± 5.235 χ^2/NDF : 37.8/30

All: -1.269 ± 3.682 χ^2/NDF : 73.3/62

- sign 8.609 ± 5.180 χ^2/NDF : 28.1/31

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: 21.649 $\pm$ 0.005 χ^2 /NDF: 9062.7/13

Right Out: 21.836 $\pm$ 0.006 χ^2 /NDF: 16251.2/18

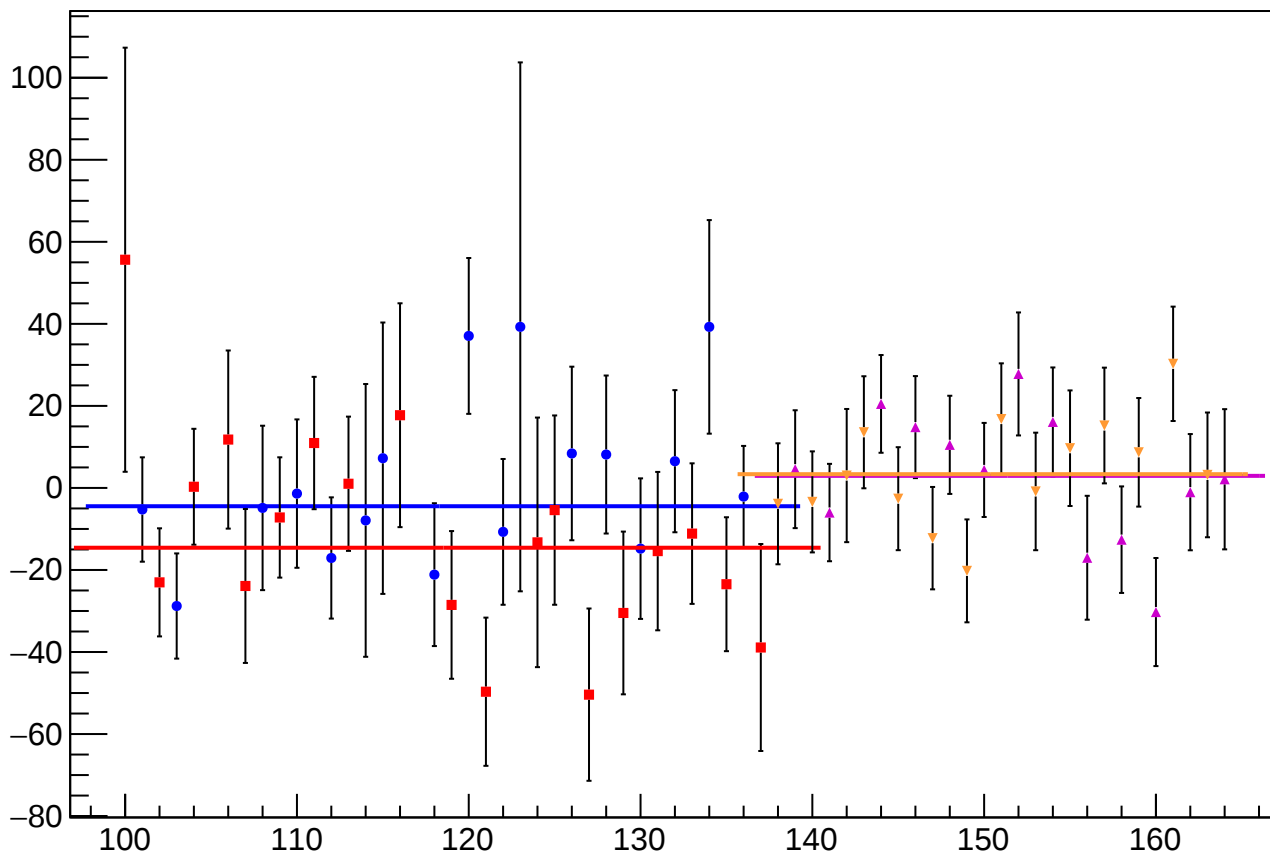
Left In: 21.503 $\pm$ 0.005 χ^2 /NDF: 7368.3/12

+ sign 21.748 $\pm$ 0.004 χ^2 /NDF: 27988.1/30

All: 21.692 $\pm$ 0.003 χ^2 /NDF: 54046.5/62

- sign 21.637 $\pm$ 0.004 χ^2 /NDF: 25607.7/31

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: 3.352 ± 3.652 χ^2/NDF : 12.3/13

Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

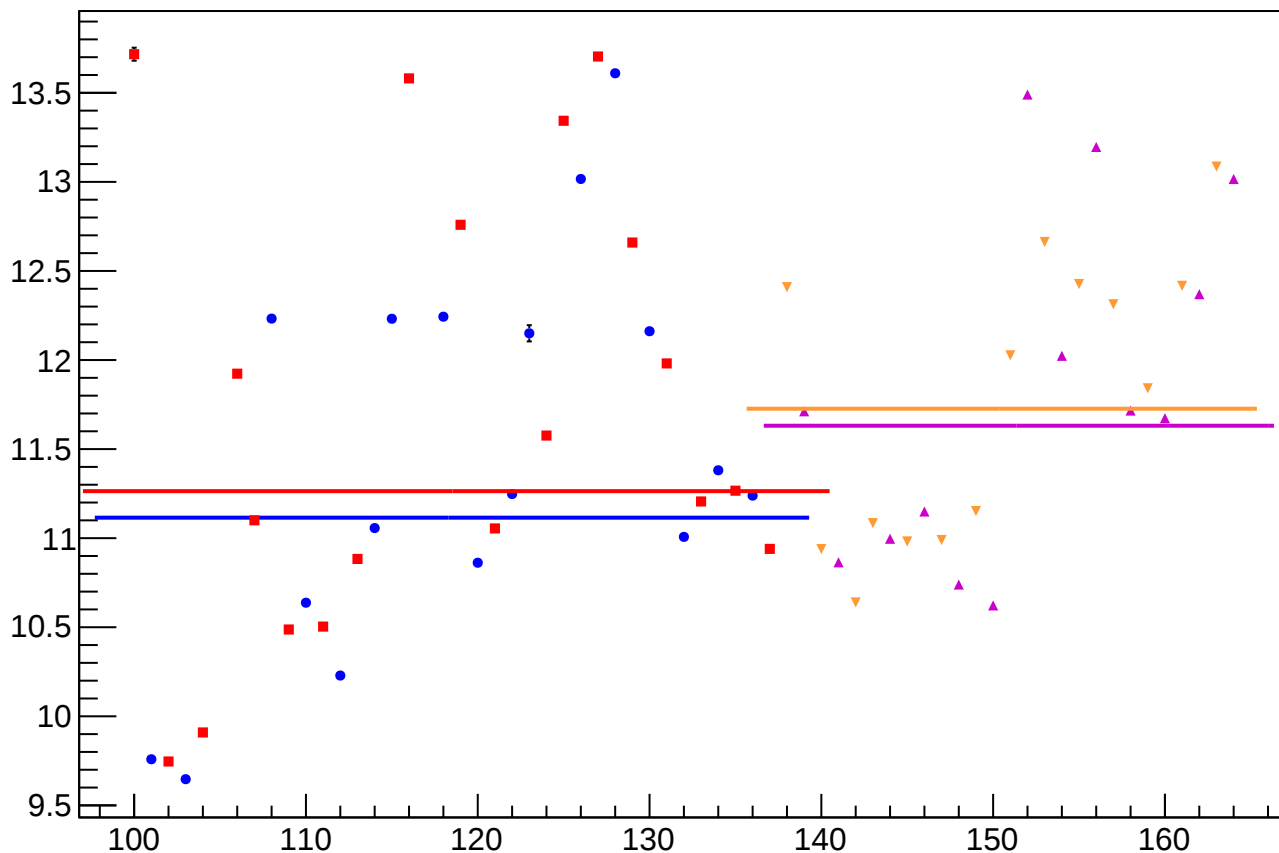
Left In: 2.945 ± 3.660 χ^2/NDF : 17.4/12

+ sign 0.104 ± 2.791 χ^2/NDF : 29.4/30

All: -2.204 ± 1.969 χ^2/NDF : 77.4/62

- sign -4.489 ± 2.777 χ^2/NDF : 46.6/31

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 $\pm$ 0.003 χ^2 /NDF: 133059.3/16

Left Out: 11.727 $\pm$ 0.003 χ^2 /NDF: 83008.3/13

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

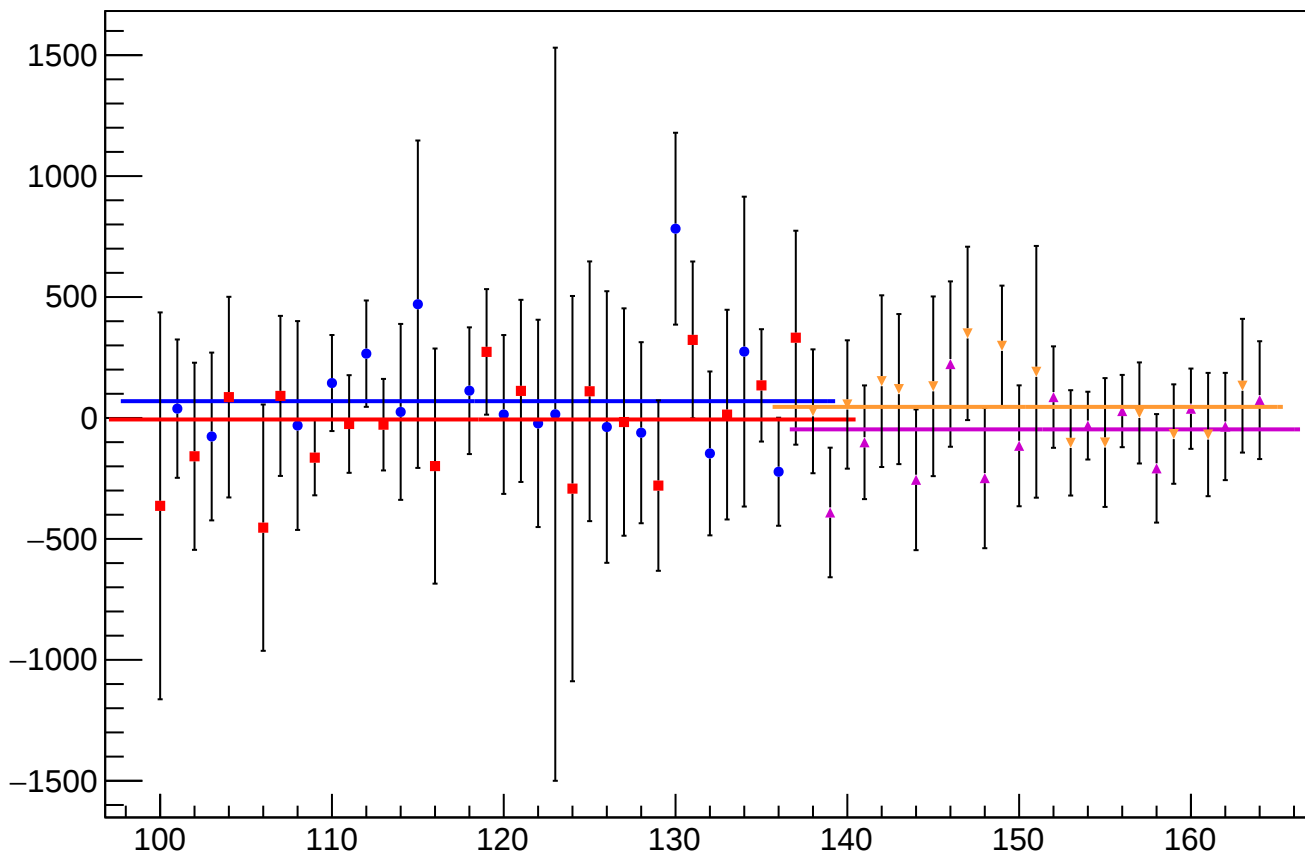
Left In: 11.631 $\pm$ 0.003 χ^2 /NDF: 116315.1/12

+ sign 11.472 $\pm$ 0.002 χ^2 /NDF: 239398.8/30

All: 11.474 $\pm$ 0.001 χ^2 /NDF: 511739.0/62

- sign 11.475 $\pm$ 0.002 χ^2 /NDF: 272339.1/31

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: 45.841 ± 72.002 χ^2/NDF : 3.4/13

Right Out: -6.194 ± 70.182 χ^2/NDF : 6.5/18

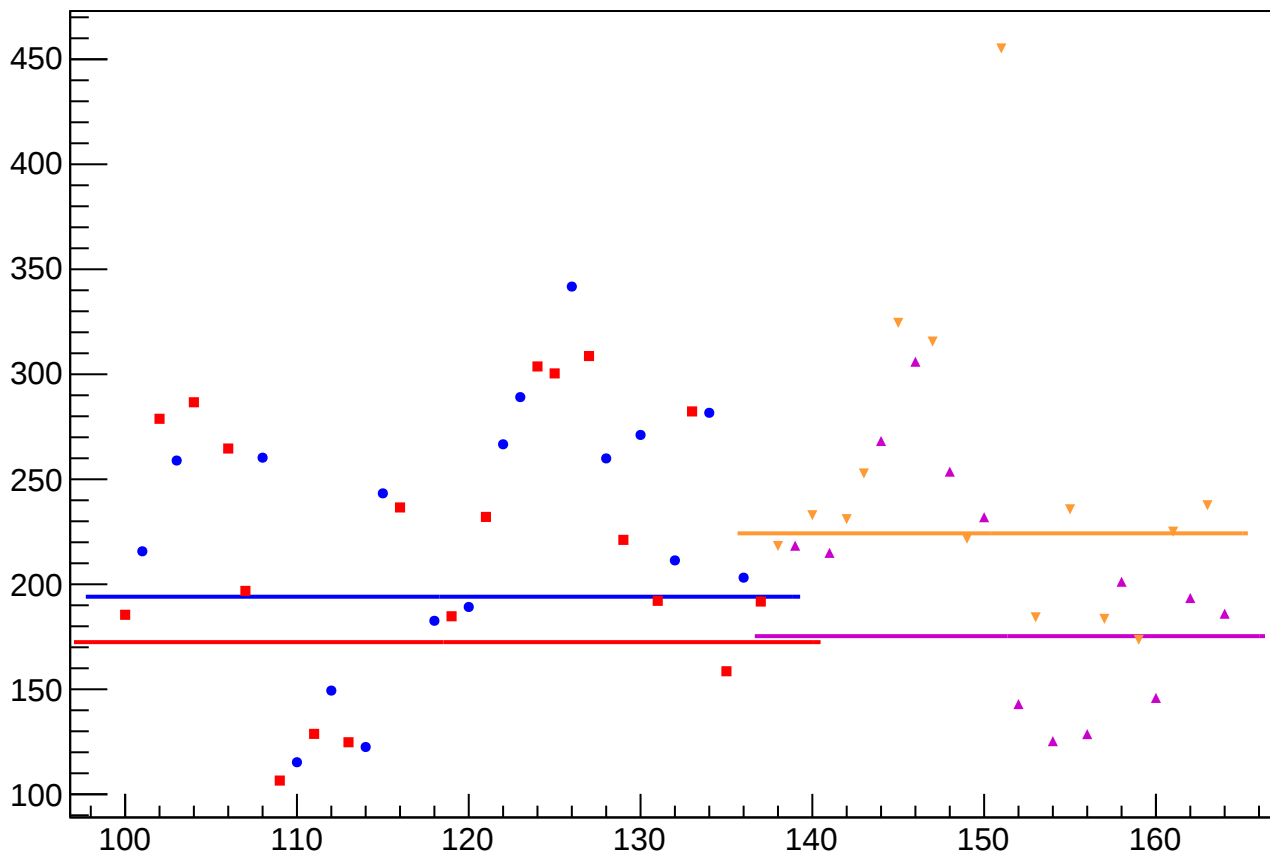
Left In: -47.108 ± 58.507 χ^2/NDF : 5.1/12

+ sign 56.529 ± 53.286 χ^2/NDF : 10.7/30

All: 5.770 ± 34.353 χ^2/NDF : 24.1/62

- sign -30.333 ± 44.939 χ^2/NDF : 11.8/31

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: 224.259 $\pm$ 0.051 χ^2 /NDF:963901.9/13

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

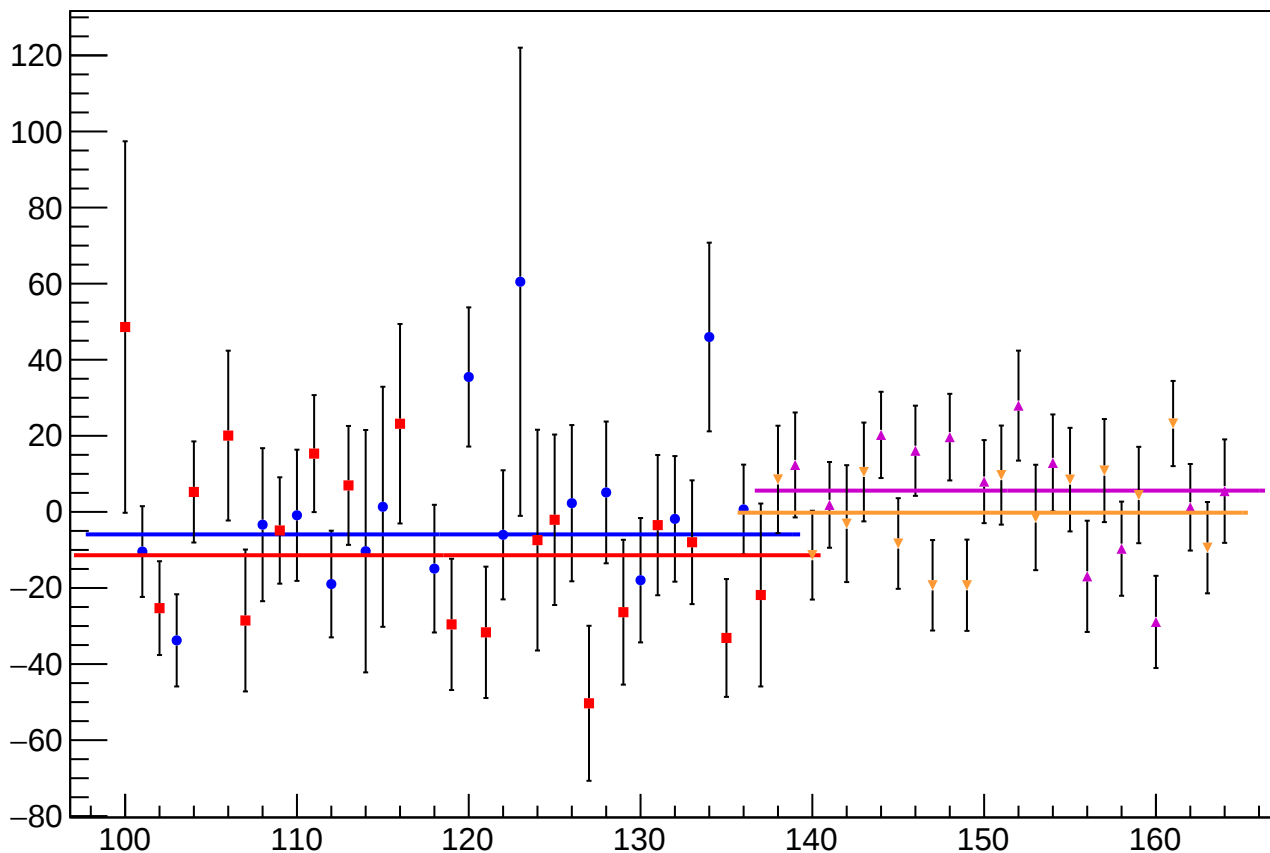
Left In: 175.303 $\pm$ 0.041 χ^2 /NDF:1457753.5/12

+ sign 210.609 $\pm$ 0.038 χ^2 /NDF: 2128199.5/30

All: 189.294 $\pm$ 0.024 χ^2 /NDF: 5704995.4/62

- sign 174.134 $\pm$ 0.032 χ^2 /NDF: 3029164.3/31

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: -0.209 ± 3.396 χ^2/NDF : 14.3/13

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

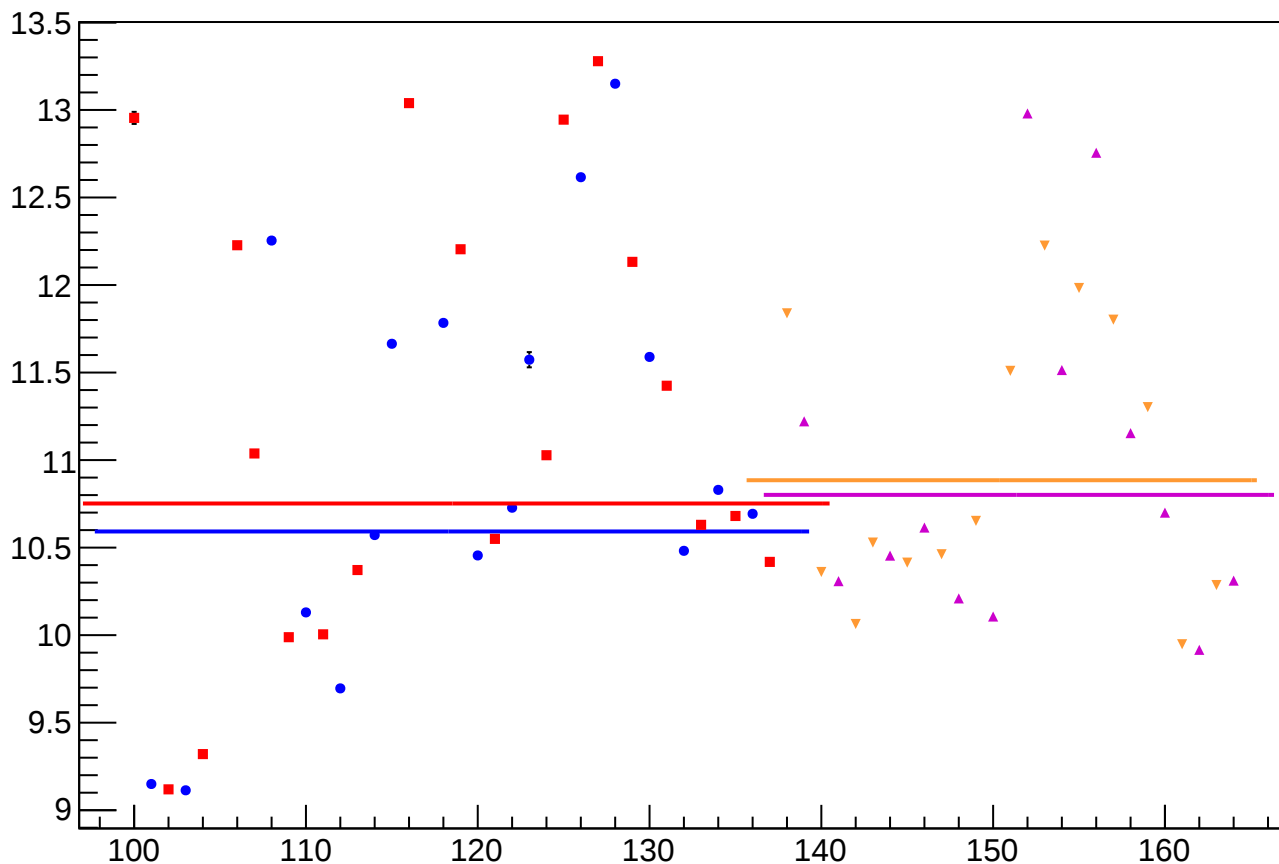
Left In: 5.594 ± 3.406 χ^2/NDF : 19.2/12

+ sign -2.508 ± 2.624 χ^2/NDF : 34.3/30

All: -1.944 ± 1.852 χ^2/NDF : 86.7/62

- sign -1.384 ± 2.614 χ^2/NDF : 52.3/31

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 $\pm$ 0.003 χ^2/NDF : 160397.9/16

Left Out: 10.885 $\pm$ 0.002 χ^2/NDF : 93431.0/13

Right Out: 10.752 $\pm$ 0.003 χ^2/NDF : 176895.3/18

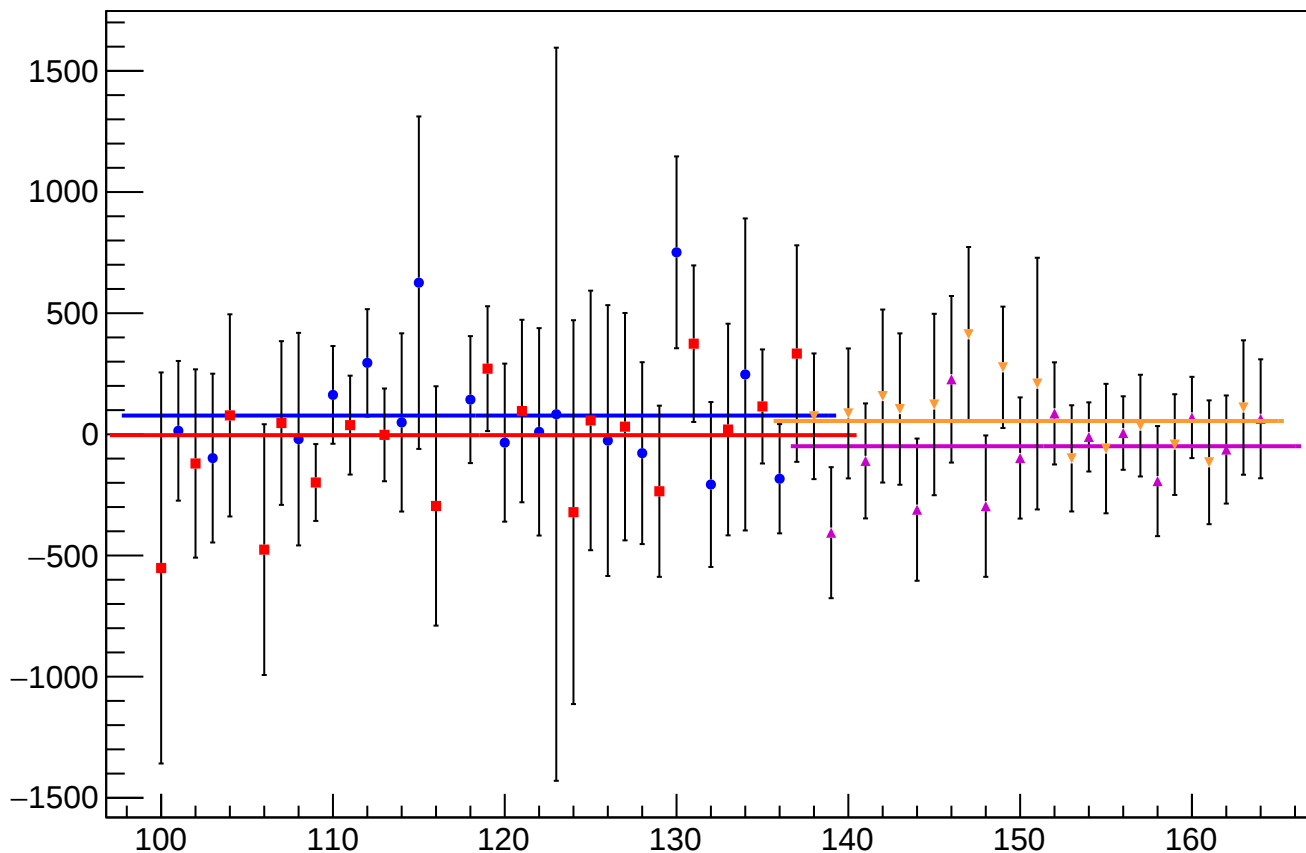
Left In: 10.801 $\pm$ 0.002 χ^2/NDF : 125444.9/12

+ sign 10.767 $\pm$ 0.002 χ^2/NDF : 259814.8/30

All: 10.774 $\pm$ 0.001 χ^2/NDF : 562355.5/62

- sign 10.781 $\pm$ 0.002 χ^2/NDF : 302511.8/31

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: 55.160 $\pm$ 72.481 χ^2 /NDF: 3.4/13

Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

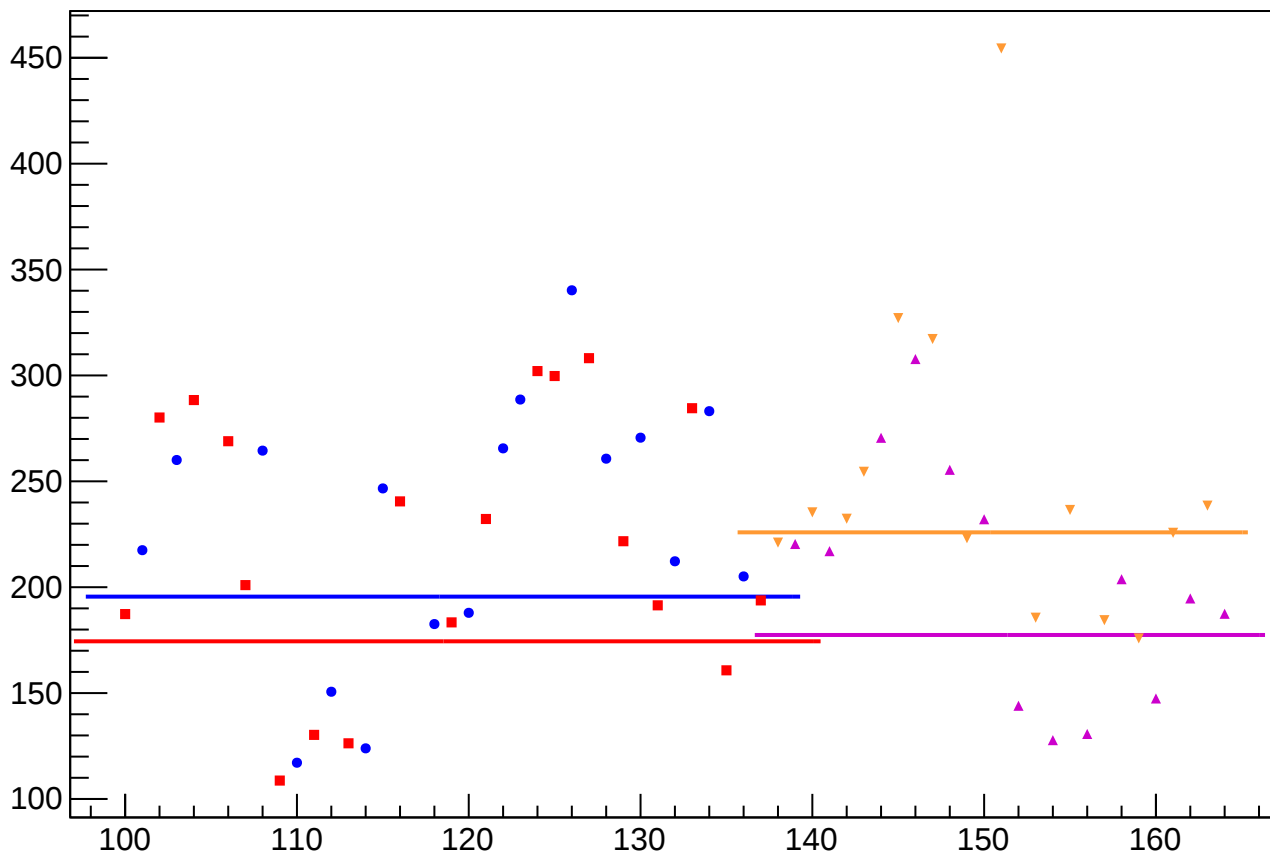
Left In: -49.001 $\pm$ 59.132 χ^2 /NDF: 5.7/12

+ sign 65.306 $\pm$ 53.638 χ^2 /NDF: 11.0/30

All: 9.639 $\pm$ 34.653 χ^2 /NDF: 26.2/62

- sign -30.241 $\pm$ 45.399 χ^2 /NDF: 13.3/31

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: 225.905 $\pm$ 0.051 χ^2 /NDF: 951639.0/13

Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

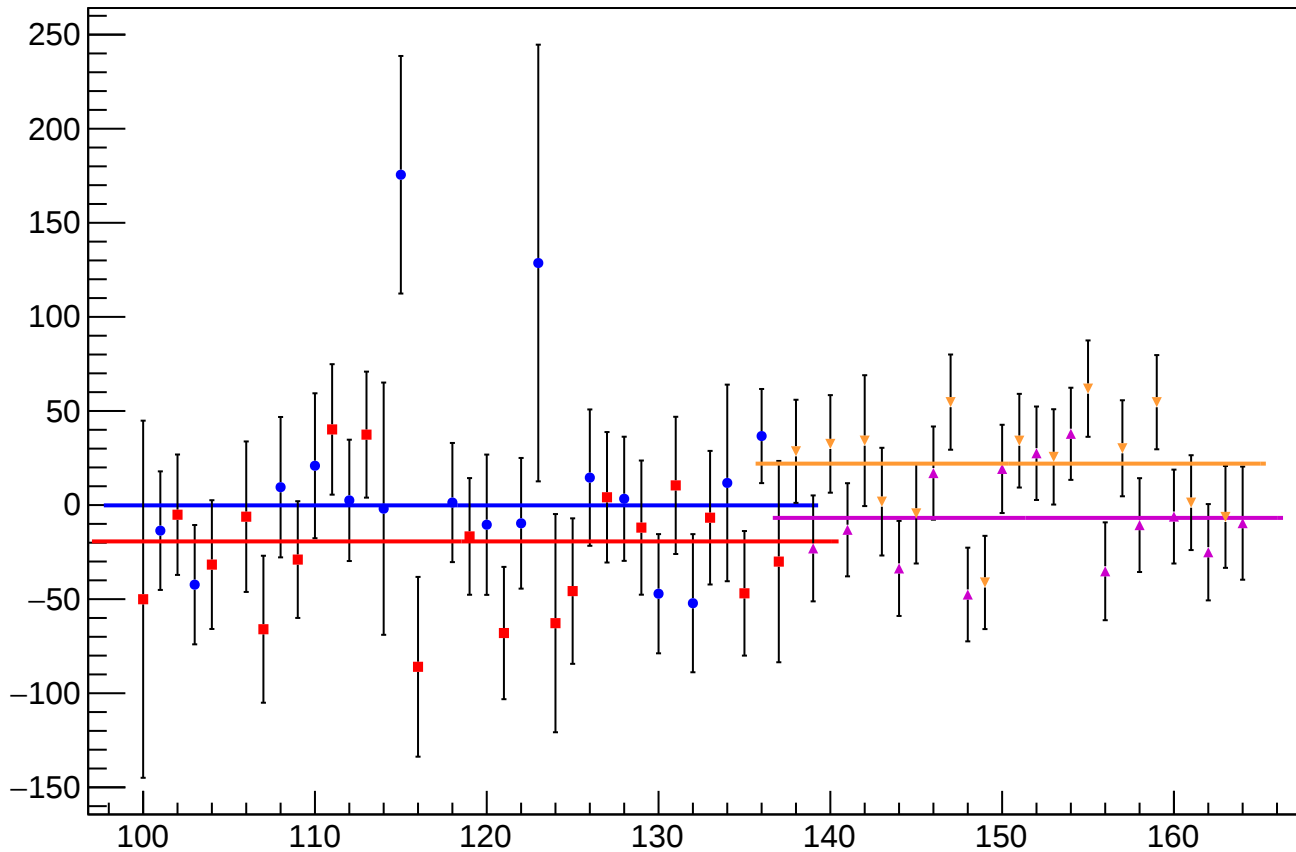
Left In: 177.440 $\pm$ 0.042 χ^2 /NDF: 1421951.3/12

+ sign 212.174 $\pm$ 0.038 χ^2 /NDF: 2090243.9/30

All: 191.222 $\pm$ 0.025 χ^2 /NDF: 5566705.1/62

- sign 176.212 $\pm$ 0.032 χ^2 /NDF: 2952681.4/31

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: 22.018 ± 7.029 χ^2/NDF : 16.3/13

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

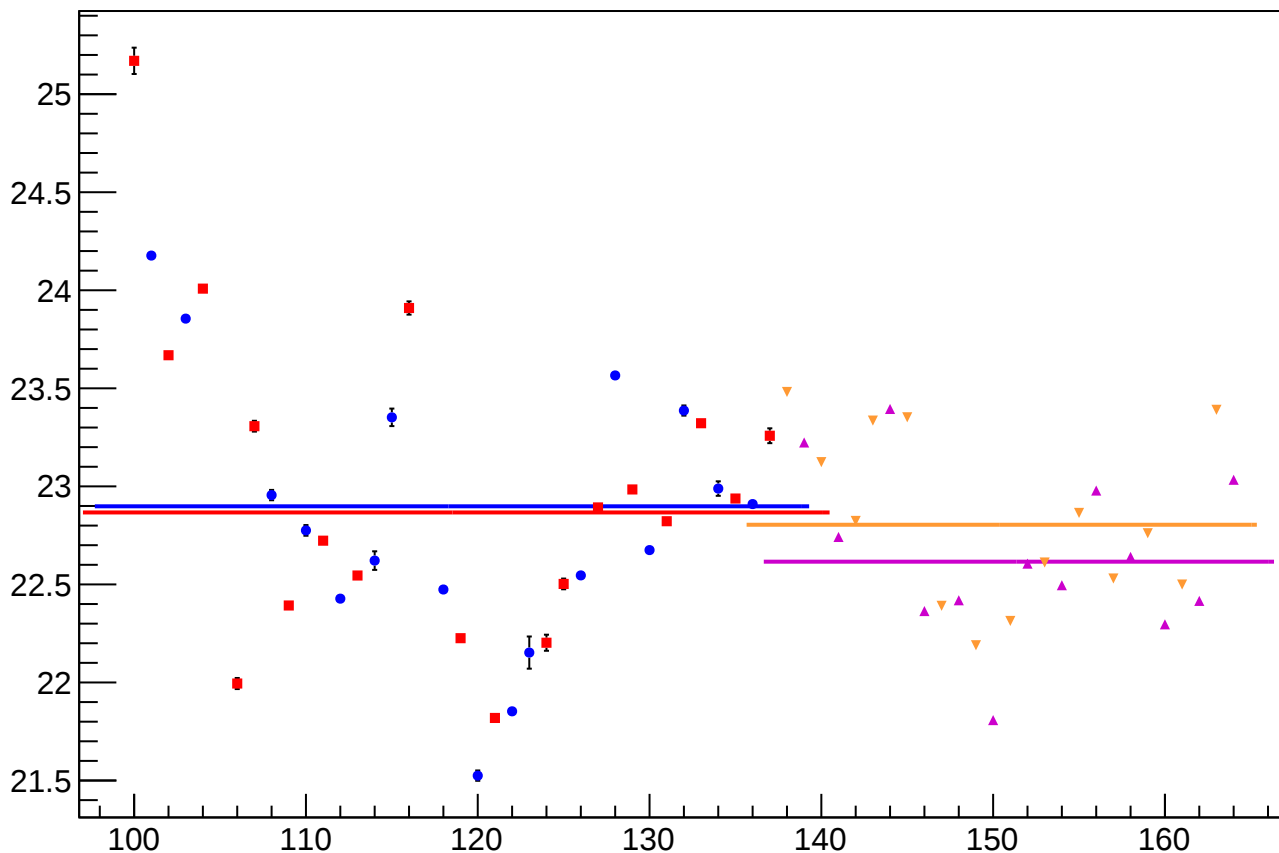
Left In: -6.818 ± 7.046 χ^2/NDF : 13.3/12

+ sign 13.412 ± 5.498 χ^2/NDF : 38.2/30

All: 0.632 ± 3.867 χ^2/NDF : 78.3/62

- sign -11.870 ± 5.438 χ^2/NDF : 29.4/31

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: 22.804 $\pm$ 0.005 χ^2 /NDF: 7198.1/13

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

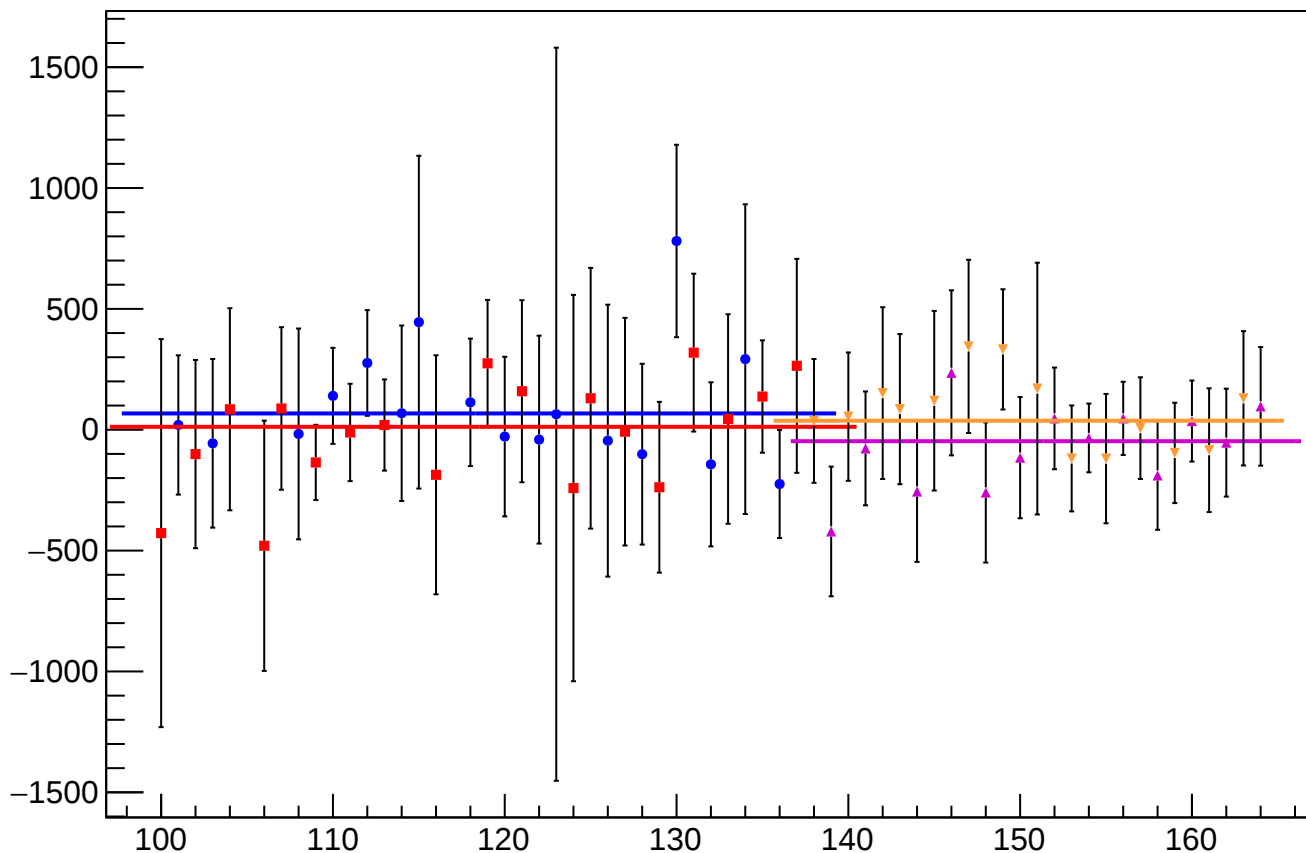
Left In: 22.616 $\pm$ 0.005 χ^2 /NDF: 6866.4/12

+ sign 22.841 $\pm$ 0.004 χ^2 /NDF: 19480.4/30

All: 22.778 $\pm$ 0.003 χ^2 /NDF: 38930.3/62

- sign 22.717 $\pm$ 0.004 χ^2 /NDF: 18941.1/31

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.449 $\pm$ 79.404 χ^2 /NDF: 7.4/16

Left Out: 37.366 $\pm$ 72.285 χ^2 /NDF: 4.0/13

Right Out: 12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

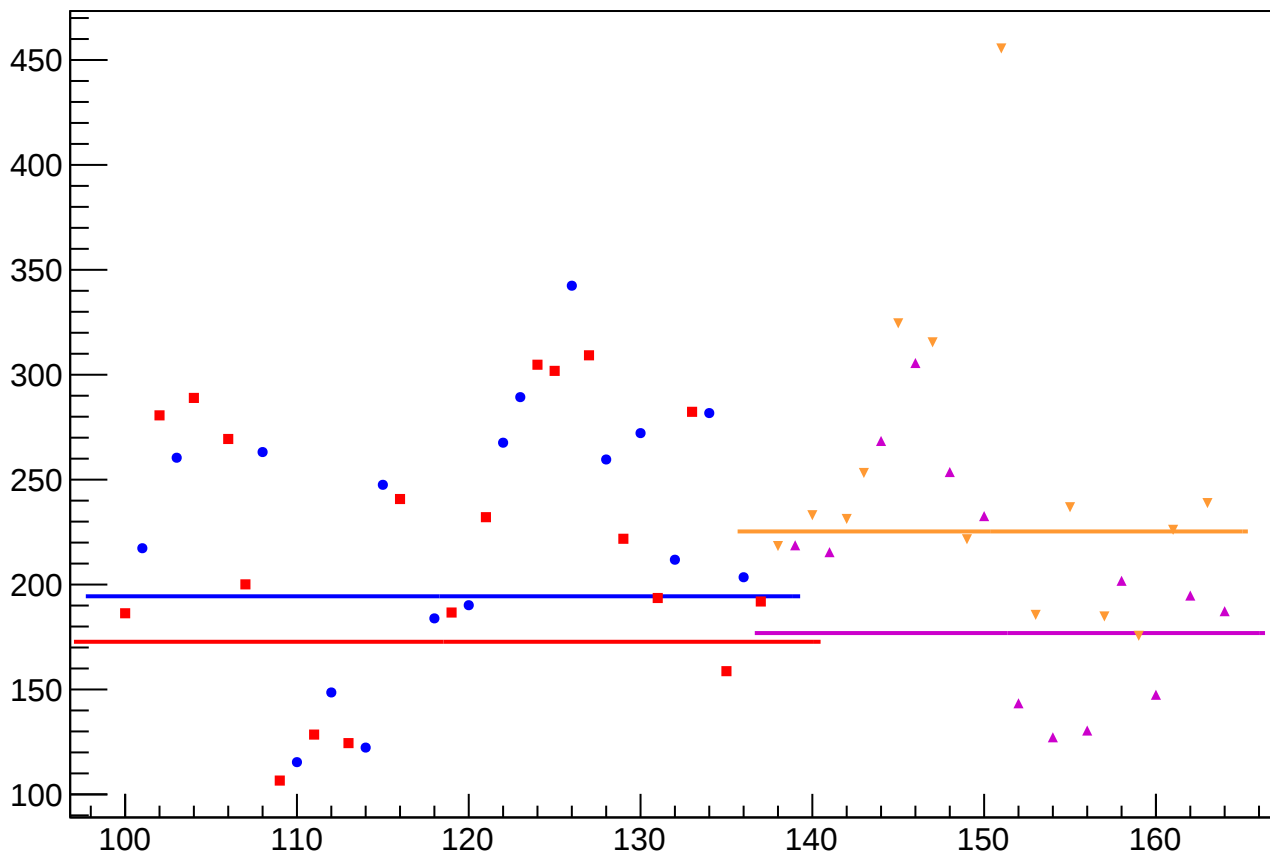
Left In: -47.381 $\pm$ 58.944 χ^2 /NDF: 5.3/12

+ sign 50.999 $\pm$ 53.453 χ^2 /NDF: 11.5/30

All: 7.929 $\pm$ 34.507 χ^2 /NDF: 24.1/62

- sign -22.842 $\pm$ 45.182 χ^2 /NDF: 11.5/31

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411 $\pm$ 0.056 χ^2 /NDF: 1019913.2/16

Left Out: 225.313 $\pm$ 0.051 χ^2 /NDF: 943474.4/13

Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

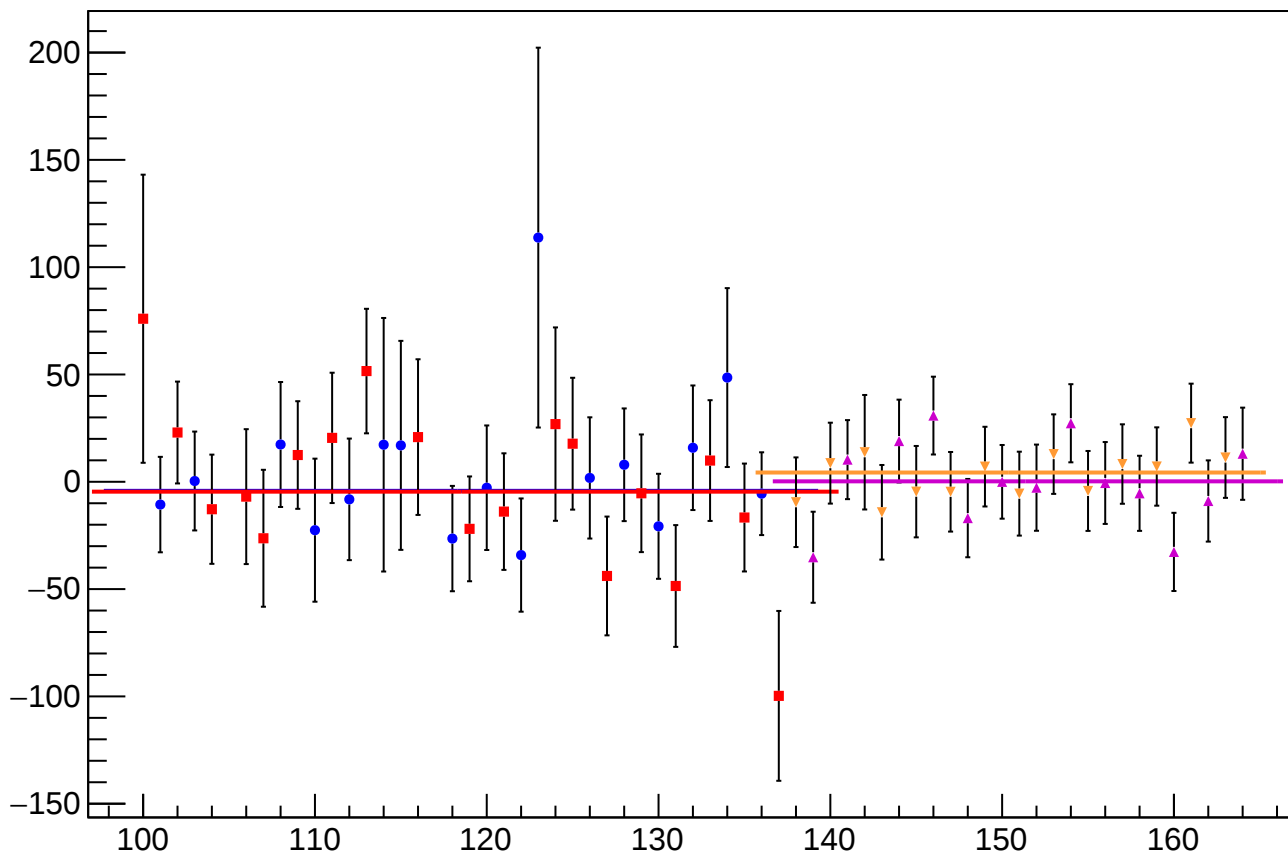
Left In: 176.886 $\pm$ 0.042 χ^2 /NDF: 1408858.1/12

+ sign 211.309 $\pm$ 0.038 χ^2 /NDF: 2129029.3/30

All: 190.231 $\pm$ 0.024 χ^2 /NDF: 5671892.5/62

- sign 175.172 $\pm$ 0.032 χ^2 /NDF: 3009715.7/31

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 ± 6.871 χ^2/NDF : 8.0/16

Left Out: 4.320 ± 5.220 χ^2/NDF : 4.2/13

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

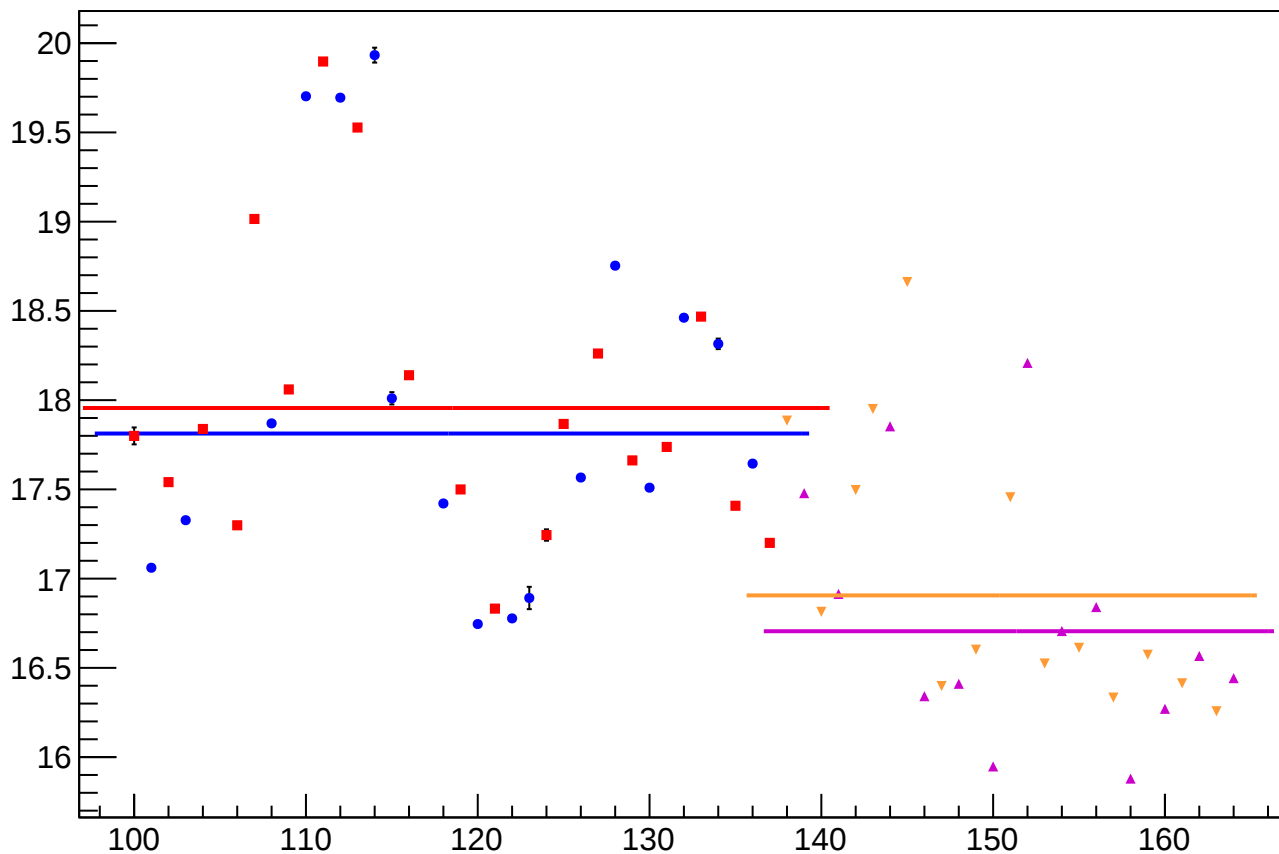
Left In: 0.205 ± 5.214 χ^2/NDF : 14.0/12

+ sign 1.194 ± 4.157 χ^2/NDF : 13.2/30

All: -0.214 ± 2.926 χ^2/NDF : 48.8/62

- sign -1.598 ± 4.121 χ^2/NDF : 35.4/31

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: 16.906 $\pm$ 0.004 χ^2 /NDF:34870.7/13

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25445.3/18

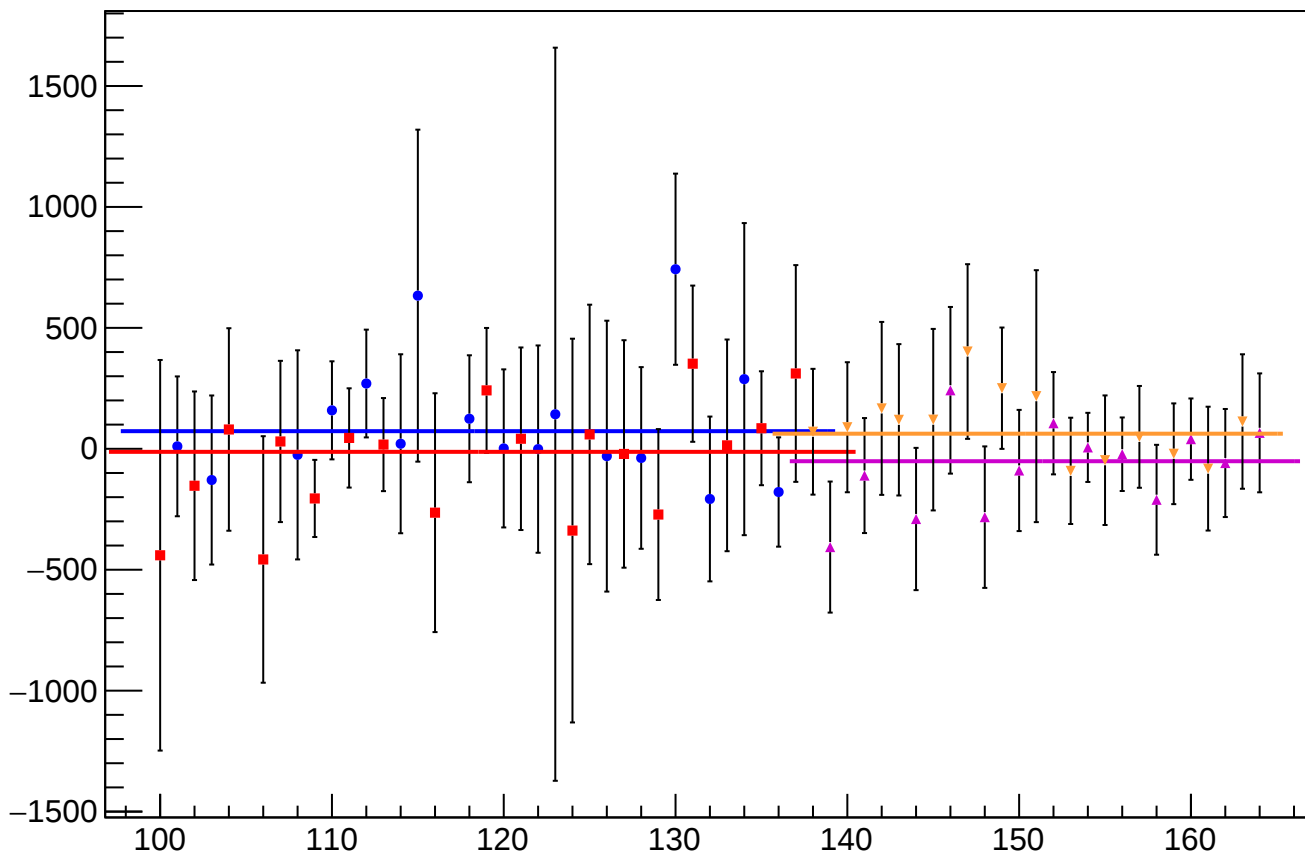
Left In: 16.705 $\pm$ 0.004 χ^2 /NDF:32524.4/12

+ sign 17.238 $\pm$ 0.003 χ^2 /NDF: 88993.2/30

All: 17.206 $\pm$ 0.002 χ^2 /NDF: 190394.8/62

- sign 17.175 $\pm$ 0.003 χ^2 /NDF: 101169.0/31

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: 62.449 $\pm$ 72.646 χ^2 /NDF: 2.9/13

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

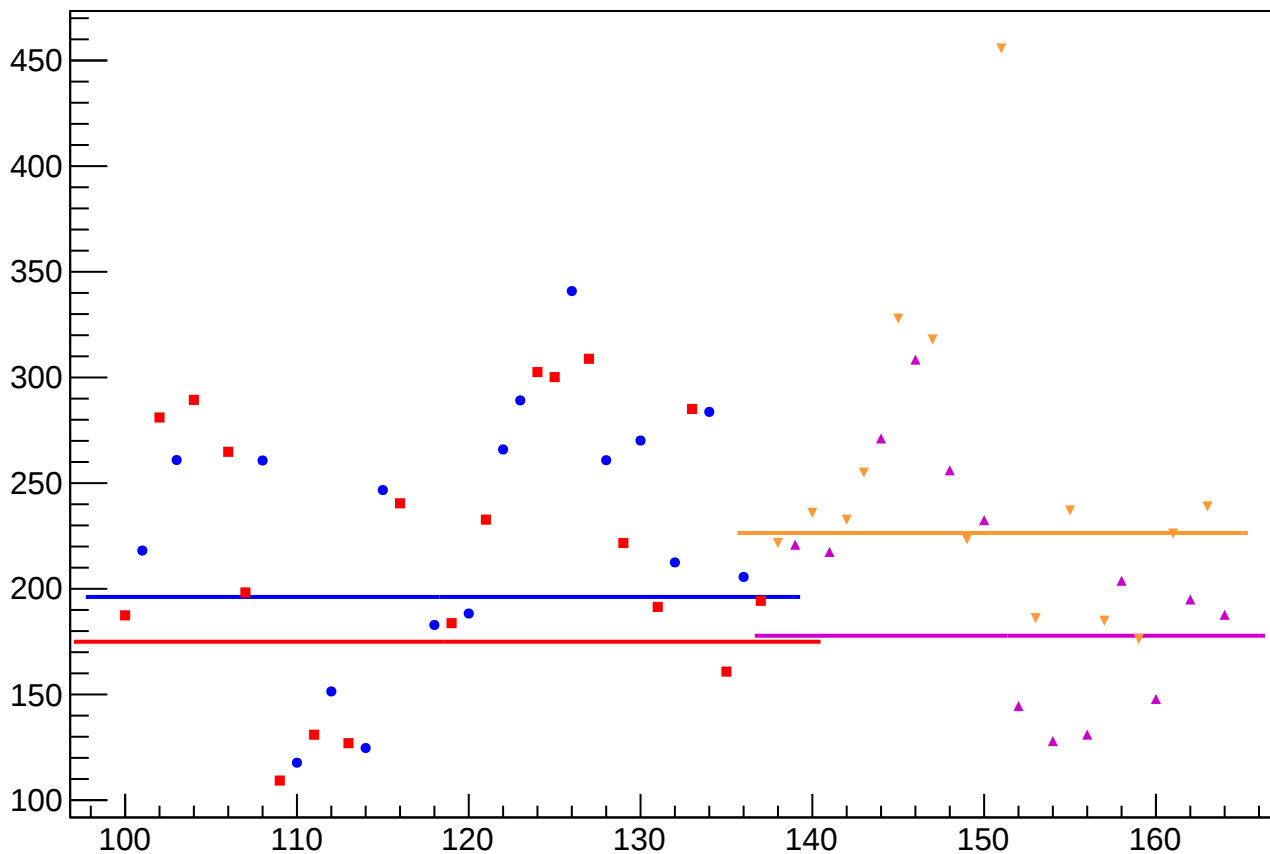
Left In: -51.343 $\pm$ 59.251 χ^2 /NDF: 5.6/12

+ sign 67.170 $\pm$ 53.765 χ^2 /NDF: 10.1/30

All: 7.382 $\pm$ 34.730 χ^2 /NDF: 24.7/62

- sign -35.427 $\pm$ 45.494 χ^2 /NDF: 12.5/31

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: 226.418 $\pm$ 0.051 χ^2 /NDF: 951533.7/13

Right Out: 174.965 $\pm$ 0.050 χ^2 /NDF: 1510956.5/18

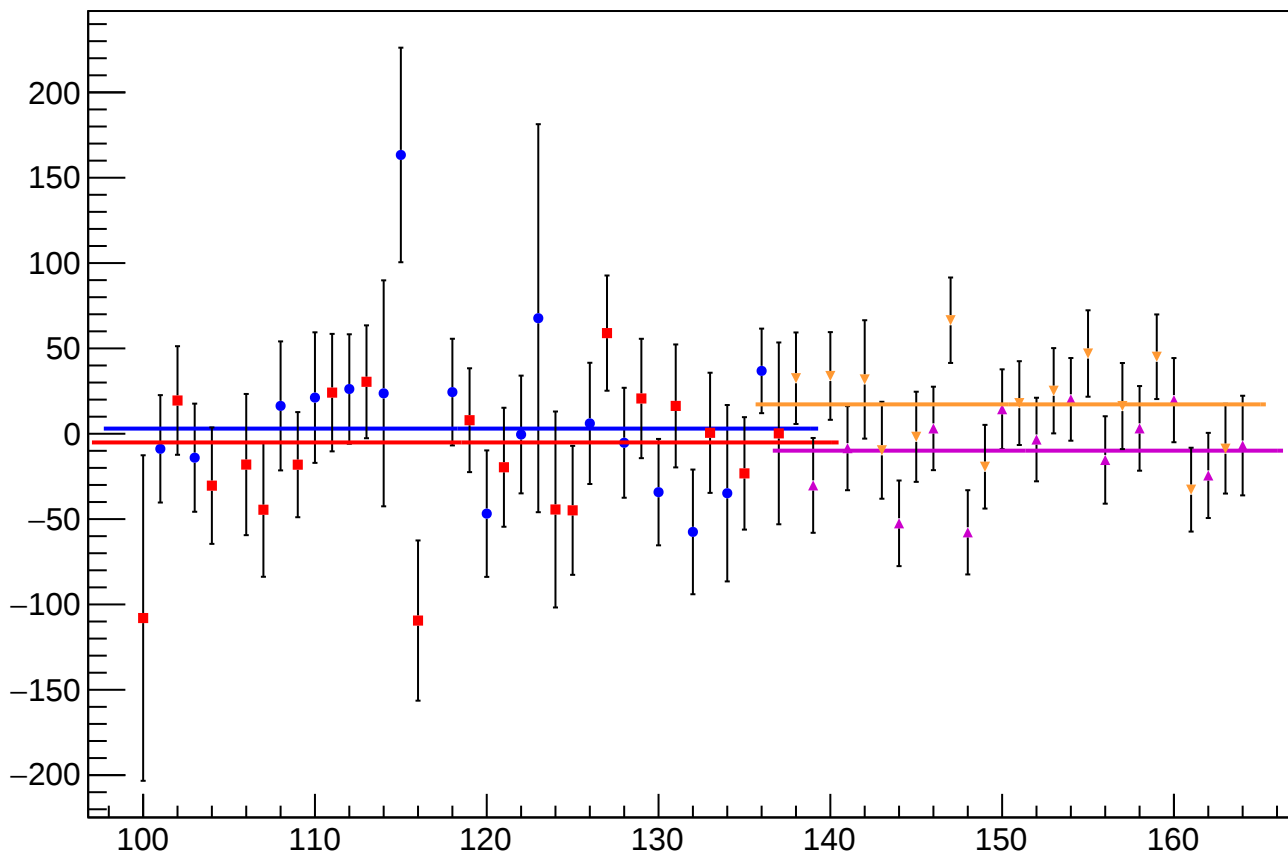
Left In: 177.797 $\pm$ 0.042 χ^2 /NDF: 1421166.0/12

+ sign 212.730 $\pm$ 0.038 χ^2 /NDF: 2073543.7/30

All: 191.695 $\pm$ 0.025 χ^2 /NDF: 5532841.9/62

- sign 176.634 $\pm$ 0.032 χ^2 /NDF: 2933997.9/31

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 $\pm$ 8.751 χ^2/NDF : 17.2/16

Left Out: 17.214 $\pm$ 6.934 χ^2/NDF : 16.3/13

Right Out: -5.092 $\pm$ 8.477 χ^2/NDF : 17.2/18

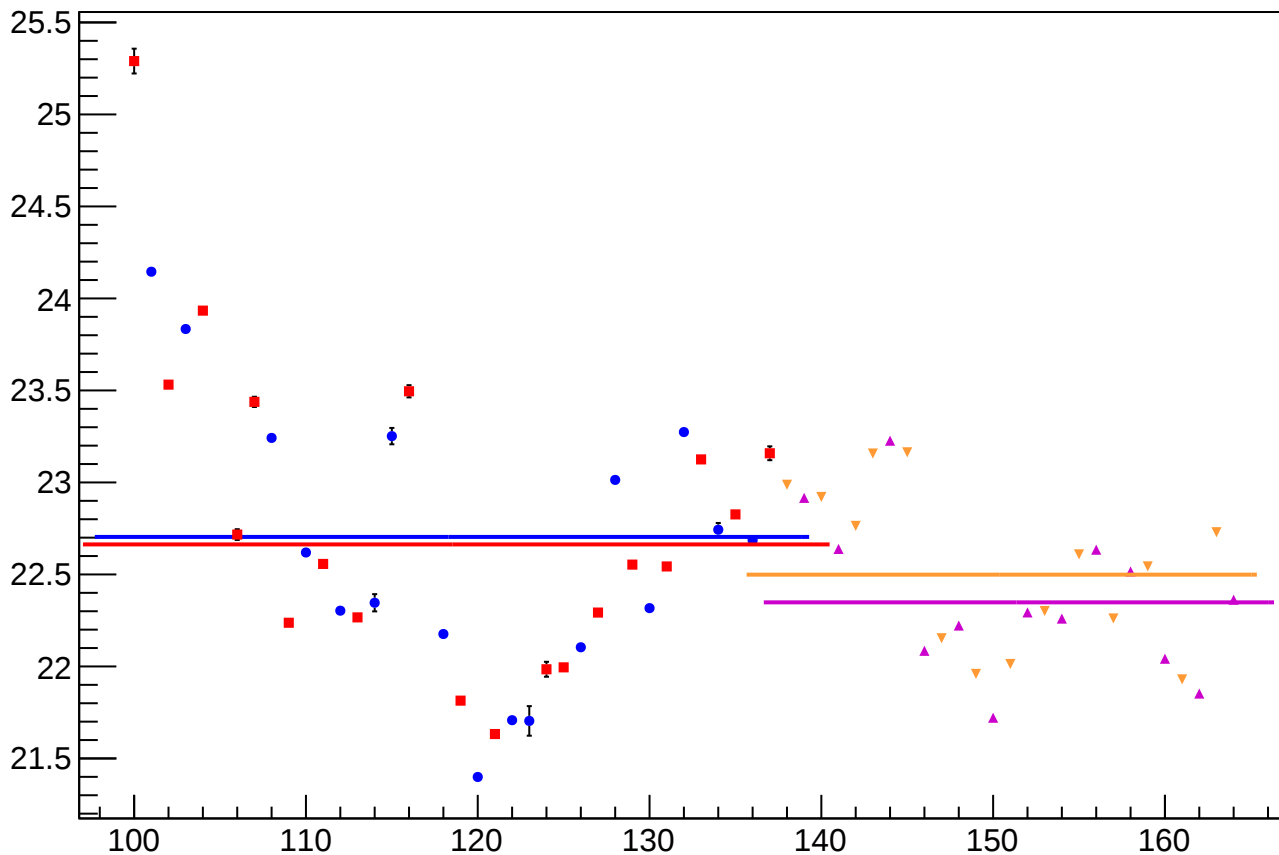
Left In: -9.907 $\pm$ 6.962 χ^2/NDF : 12.3/12

+ sign 11.740 $\pm$ 5.435 χ^2/NDF : 35.1/30

All: 1.787 $\pm$ 3.824 χ^2/NDF : 71.4/62

- sign -7.968 $\pm$ 5.380 χ^2/NDF : 29.6/31

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: 22.499 $\pm$ 0.005 χ^2 /NDF: 7371.5/13

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

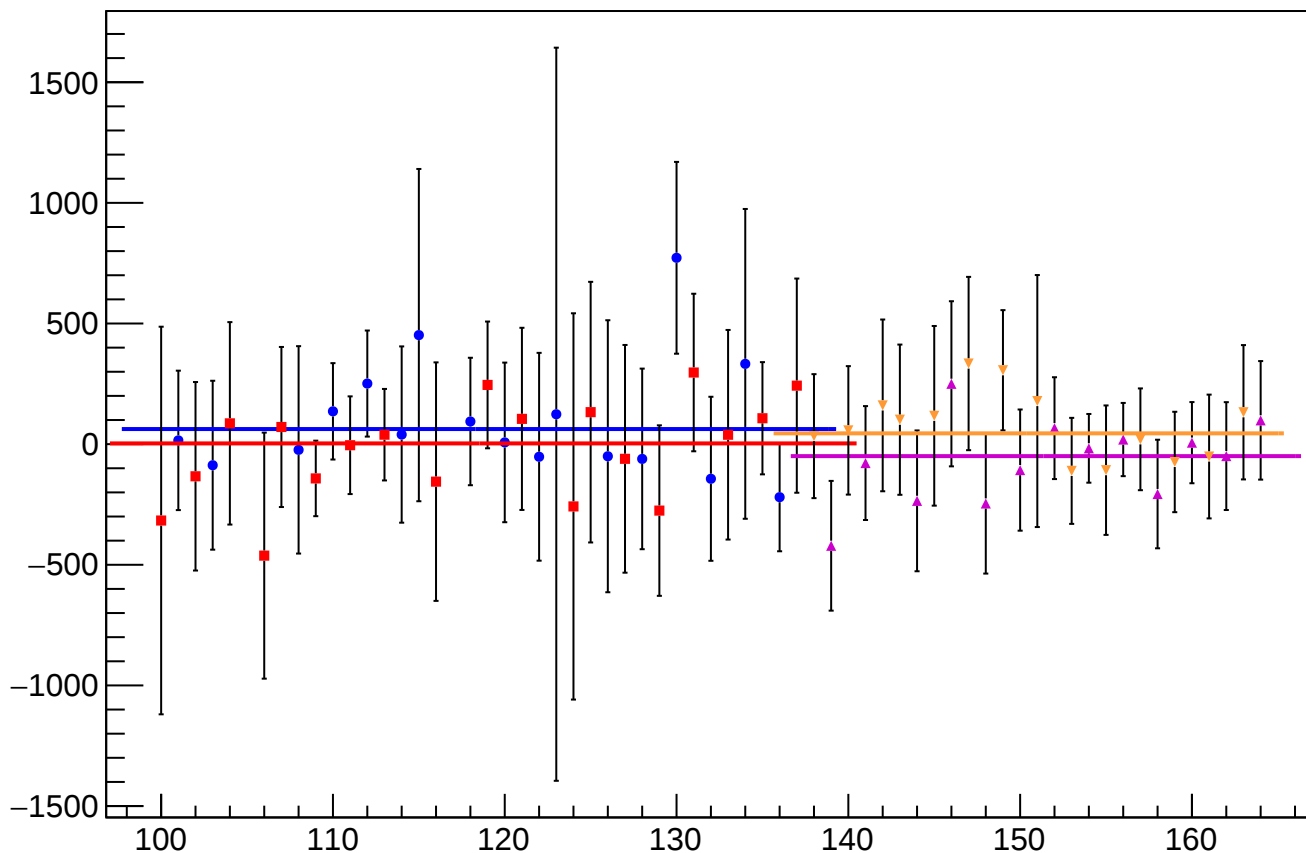
Left In: 22.348 $\pm$ 0.005 χ^2 /NDF: 6770.5/12

+ sign 22.578 $\pm$ 0.004 χ^2 /NDF: 22152.0/30

All: 22.526 $\pm$ 0.003 χ^2 /NDF: 43875.5/62

- sign 22.475 $\pm$ 0.004 χ^2 /NDF: 21362.1/31

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573+/-79.605 χ^2/NDF : 7.0/16

Left Out: 44.739+/-72.450 χ^2/NDF : 3.4/13

Right Out: 3.038+/-70.518 χ^2/NDF : 5.2/18

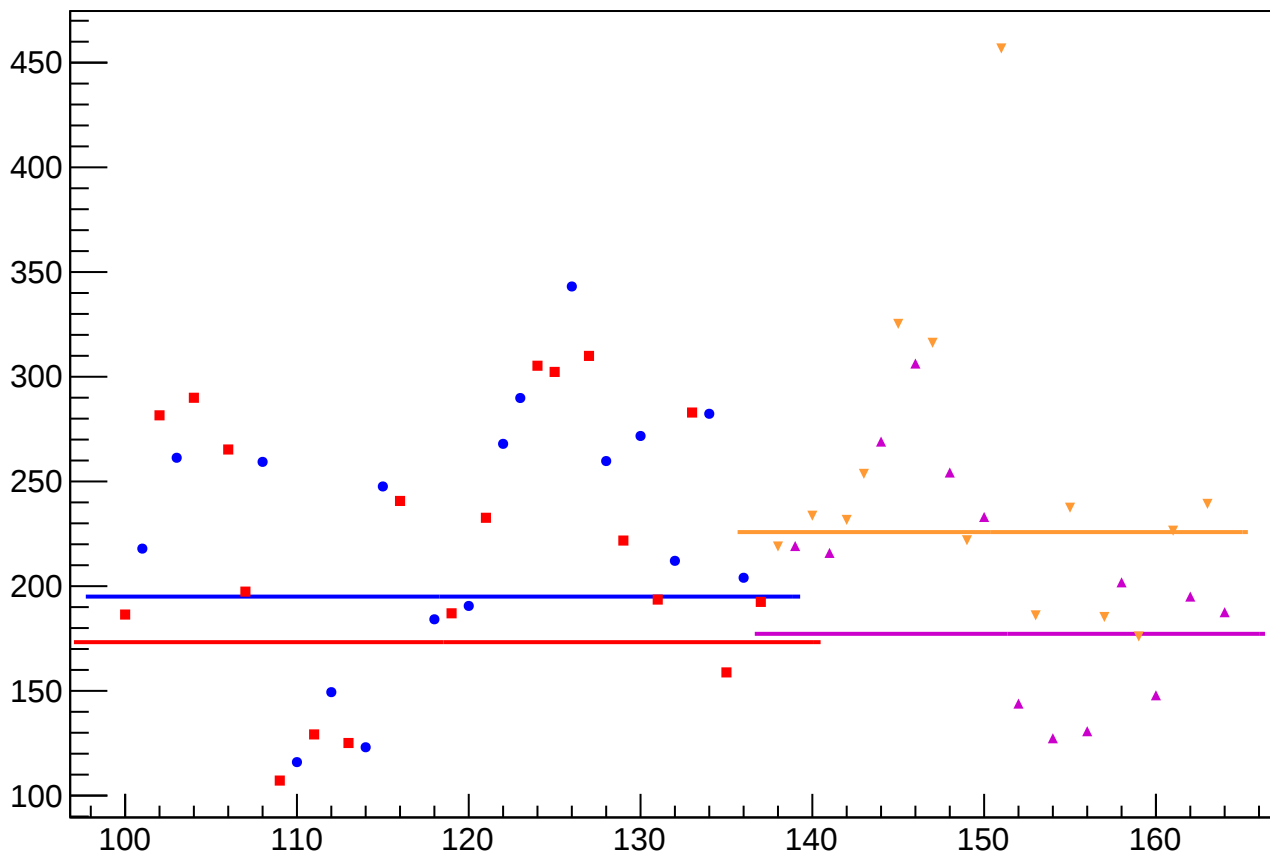
Left In: -49.665+/-59.061 χ^2/NDF : 5.1/12

+ sign 52.819+/-53.581 χ^2/NDF : 10.5/30

All: 5.706+/-34.584 χ^2/NDF : 22.5/62

- sign -27.937+/-45.278 χ^2/NDF : 10.7/31

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: 225.824 $\pm$ 0.051 χ^2 /NDF: 943390.4/13

Right Out: 173.262 $\pm$ 0.050 χ^2 /NDF: 1578202.7/18

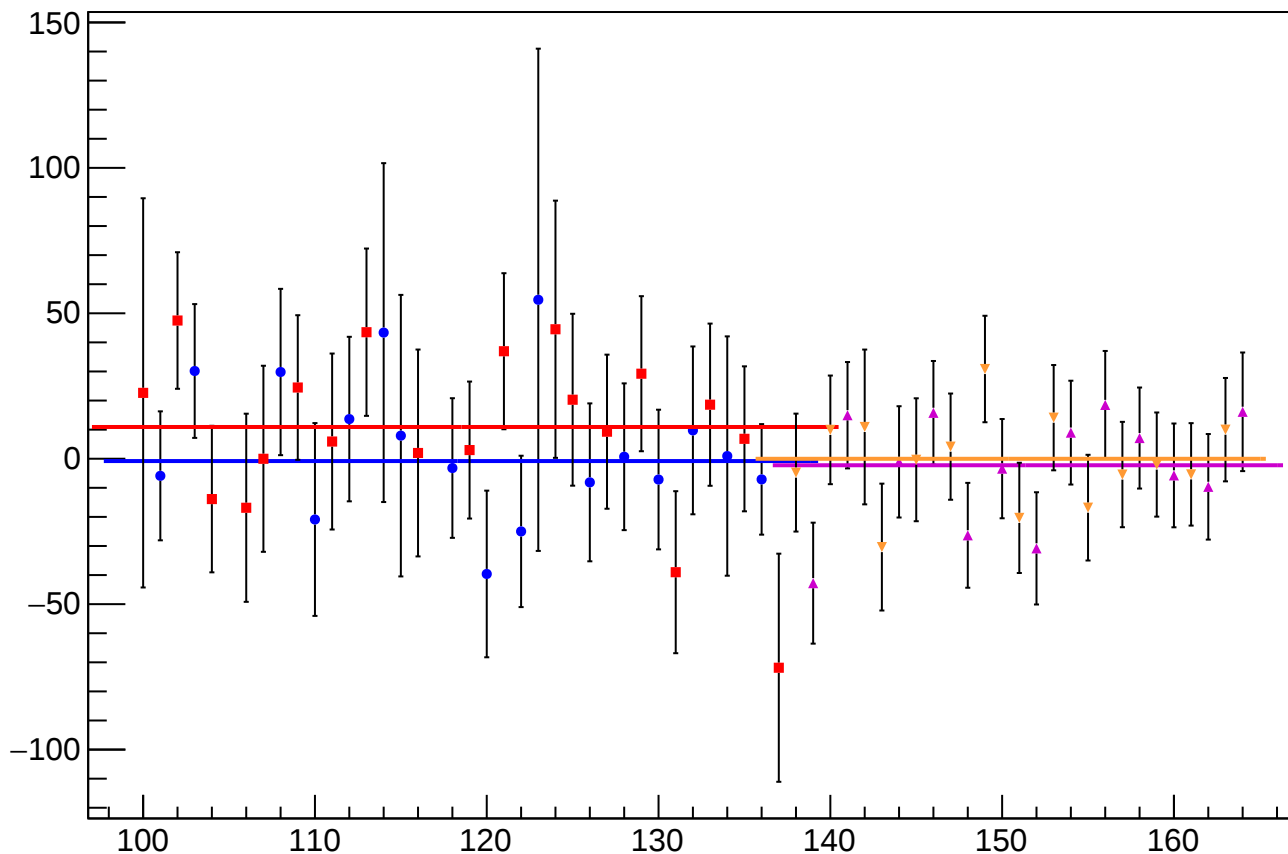
Left In: 177.241 $\pm$ 0.042 χ^2 /NDF: 1408152.5/12

+ sign 211.869 $\pm$ 0.038 χ^2 /NDF: 2111458.3/30

All: 190.710 $\pm$ 0.024 χ^2 /NDF: 5636173.2/62

- sign 175.600 $\pm$ 0.032 χ^2 /NDF: 2990097.5/31

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 $\pm$ 6.770 χ^2/NDF : 7.8/16

Left Out: -0.023 $\pm$ 5.099 χ^2/NDF : 8.5/13

Right Out: 10.912 $\pm$ 6.626 χ^2/NDF : 15.9/18

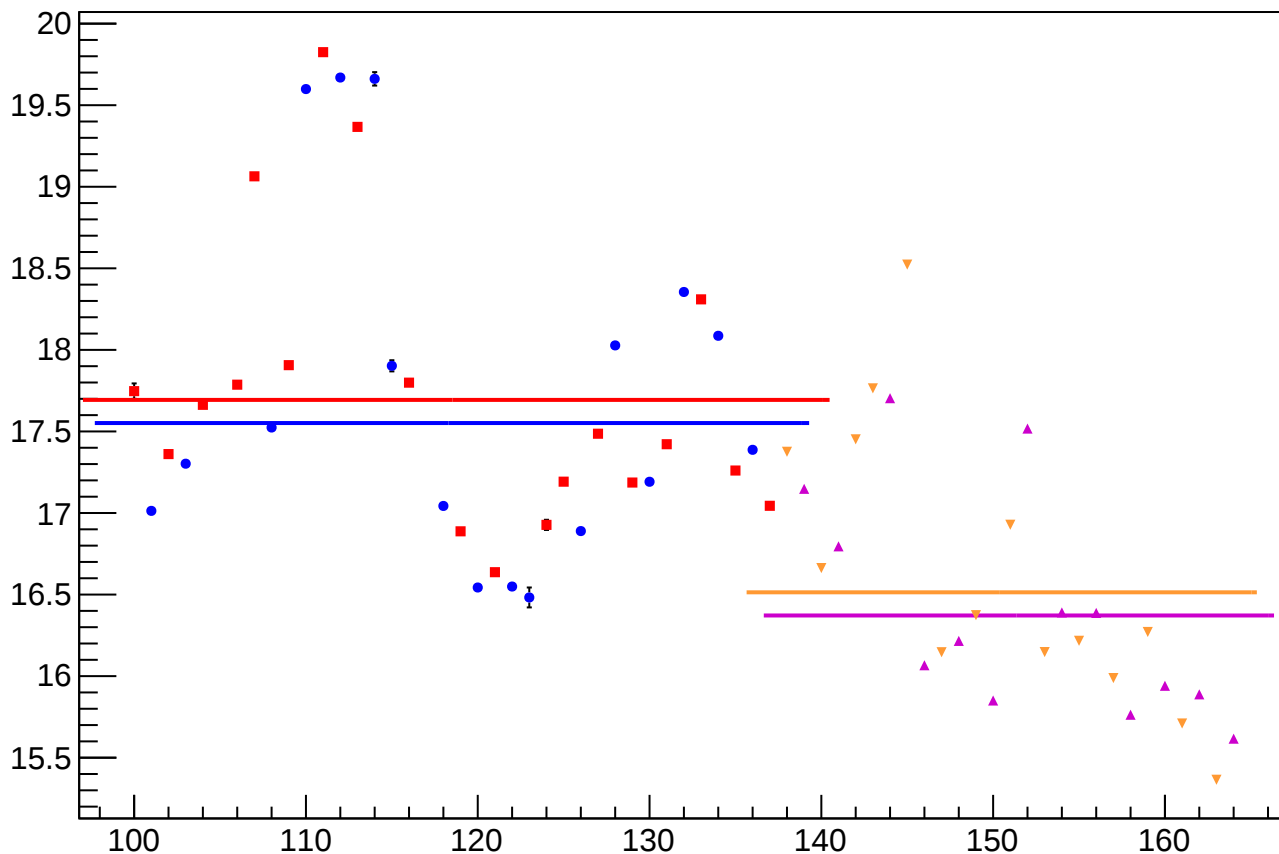
Left In: -2.245 $\pm$ 5.108 χ^2/NDF : 12.6/12

+ sign -0.304 $\pm$ 4.073 χ^2/NDF : 16.2/30

All: 1.187 $\pm$ 2.870 χ^2/NDF : 47.6/62

- sign 2.659 $\pm$ 4.046 χ^2/NDF : 31.1/31

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: 16.514 $\pm$ 0.004 χ^2 /NDF: 48693.7/13

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30742.0/18

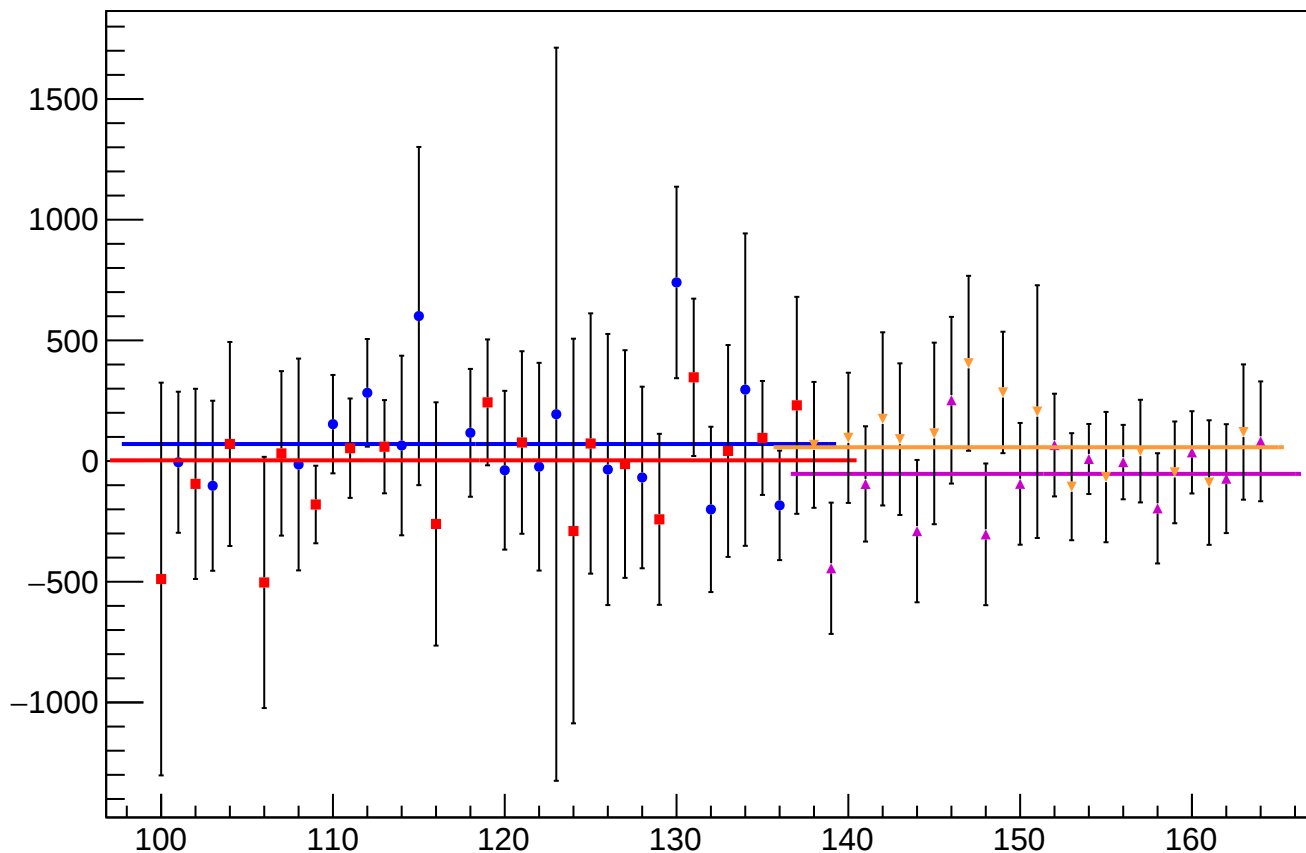
Left In: 16.372 $\pm$ 0.004 χ^2 /NDF: 31001.5/12

+ sign 16.889 $\pm$ 0.003 χ^2 /NDF: 112702.1/30

All: 16.877 $\pm$ 0.002 χ^2 /NDF: 224382.1/62

- sign 16.864 $\pm$ 0.003 χ^2 /NDF: 111642.2/31

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 70.634+/-80.409 χ^2/NDF : 7.2/16

Left Out: 57.290+/-73.146 χ^2/NDF : 3.4/13

Right Out: 3.063+/-71.508 χ^2/NDF : 6.2/18

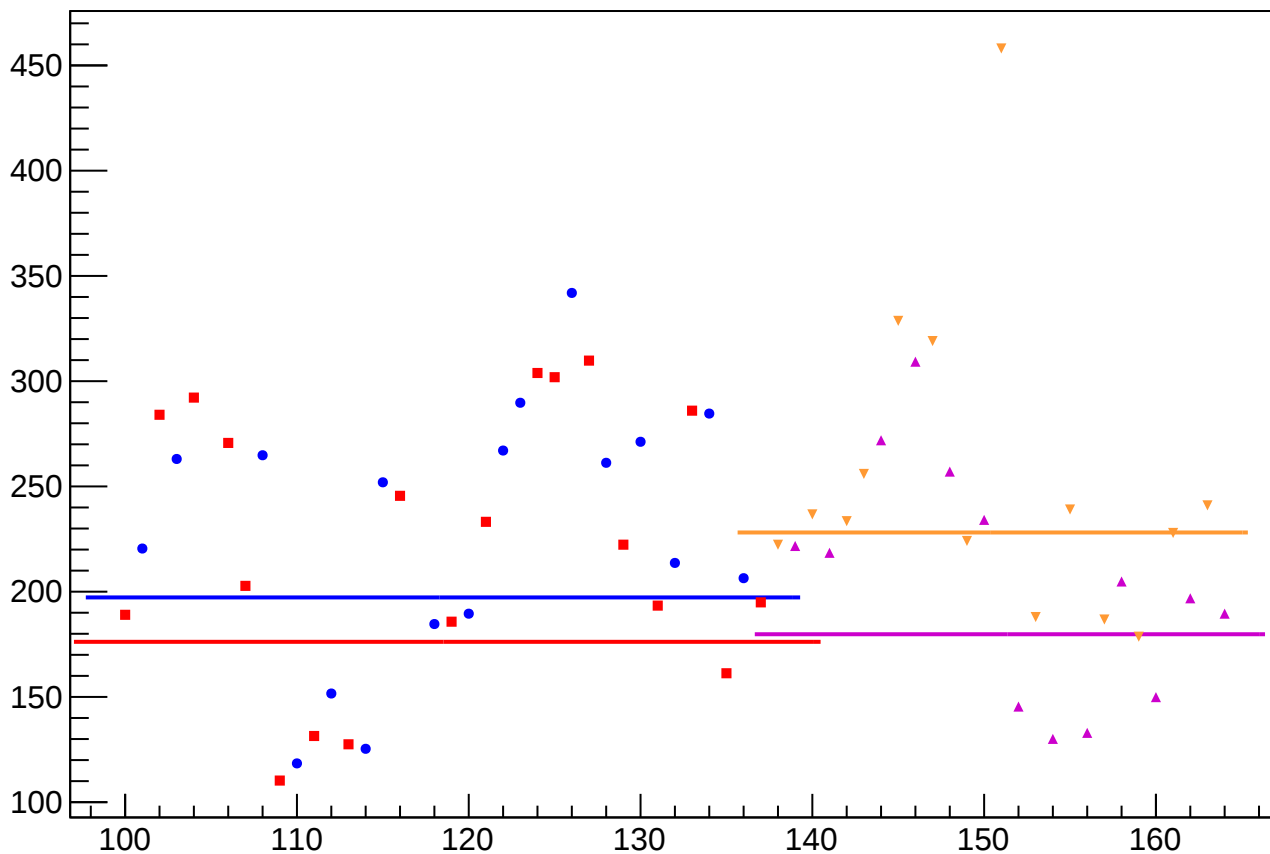
Left In: -53.041+/-59.834 χ^2/NDF : 5.8/12

+ sign 63.332+/-54.108 χ^2/NDF : 10.6/30

All: 9.083+/-34.997 χ^2/NDF : 24.7/62

- sign -29.936+/-45.889 χ^2/NDF : 12.4/31

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: 228.125 $\pm$ 0.052 χ^2 /NDF: 933228.7/13

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

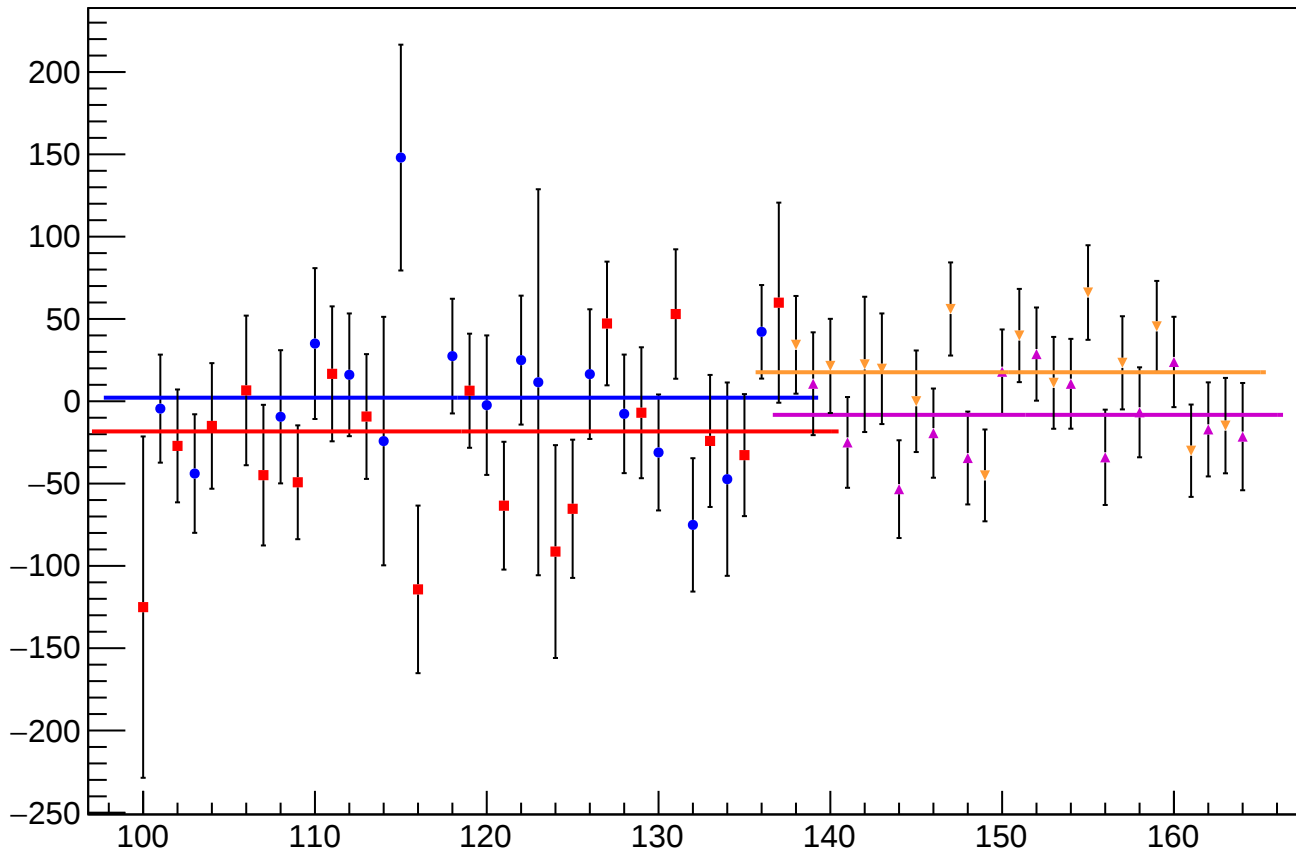
Left In: 179.783 $\pm$ 0.042 χ^2 /NDF: 1378861.2/12

+ sign 214.154 $\pm$ 0.038 χ^2 /NDF: 2063909.0/30

All: 193.299 $\pm$ 0.025 χ^2 /NDF: 5476276.7/62

- sign 178.299 $\pm$ 0.032 χ^2 /NDF: 2901553.6/31

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178 ± 9.825 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 17.630 ± 7.860 $\chi^2/\text{NDF}: 16.3/13$

Right Out: -18.320 ± 9.497 $\chi^2/\text{NDF}: 19.6/18$

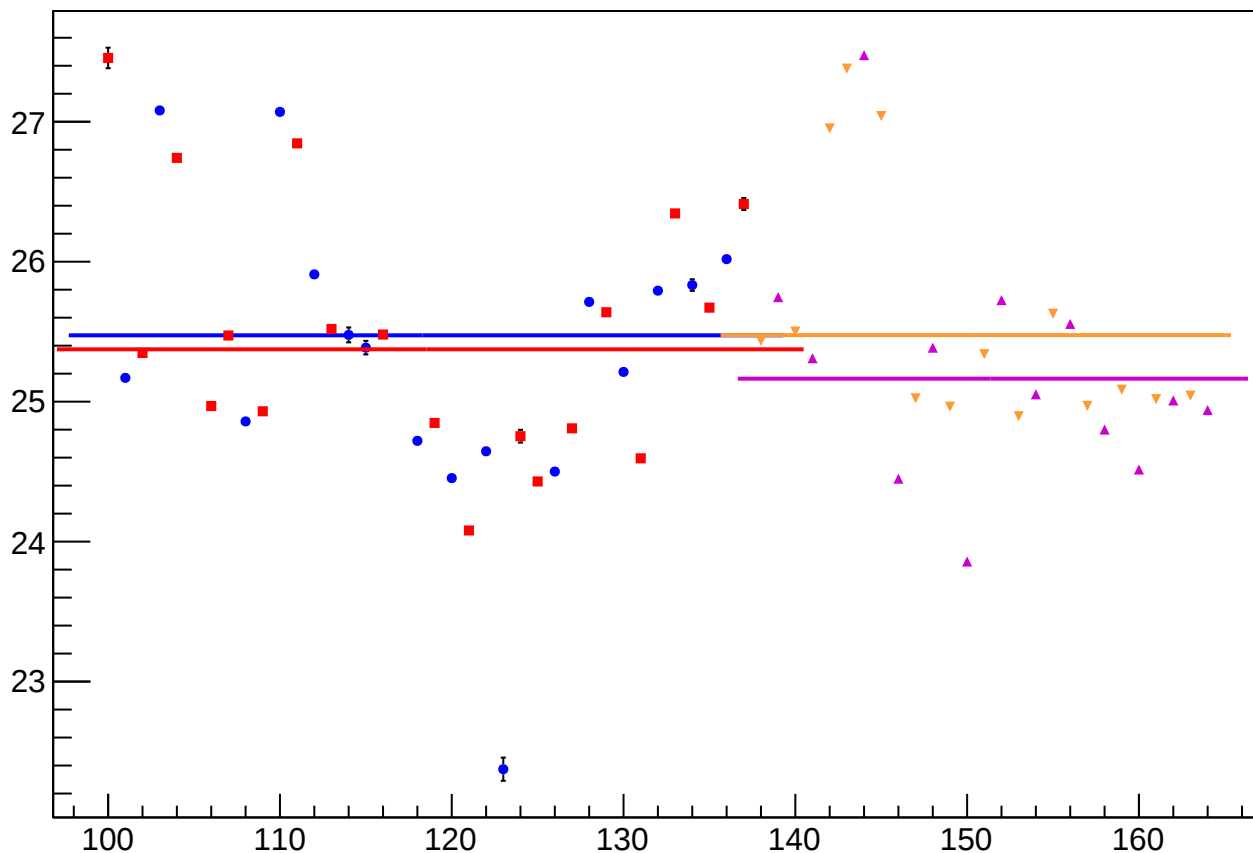
Left In: -8.254 ± 7.849 $\chi^2/\text{NDF}: 9.7/12$

+ sign 11.600 ± 6.137 $\chi^2/\text{NDF}: 33.2/30$

All: -0.541 ± 4.309 $\chi^2/\text{NDF}: 70.9/62$

- sign -12.339 ± 6.050 $\chi^2/\text{NDF}: 30.0/31$

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: 25.475+/-0.006 χ^2/NDF : 18327.2/13

Right Out: 25.374+/-0.007 χ^2/NDF : 13581.2/18

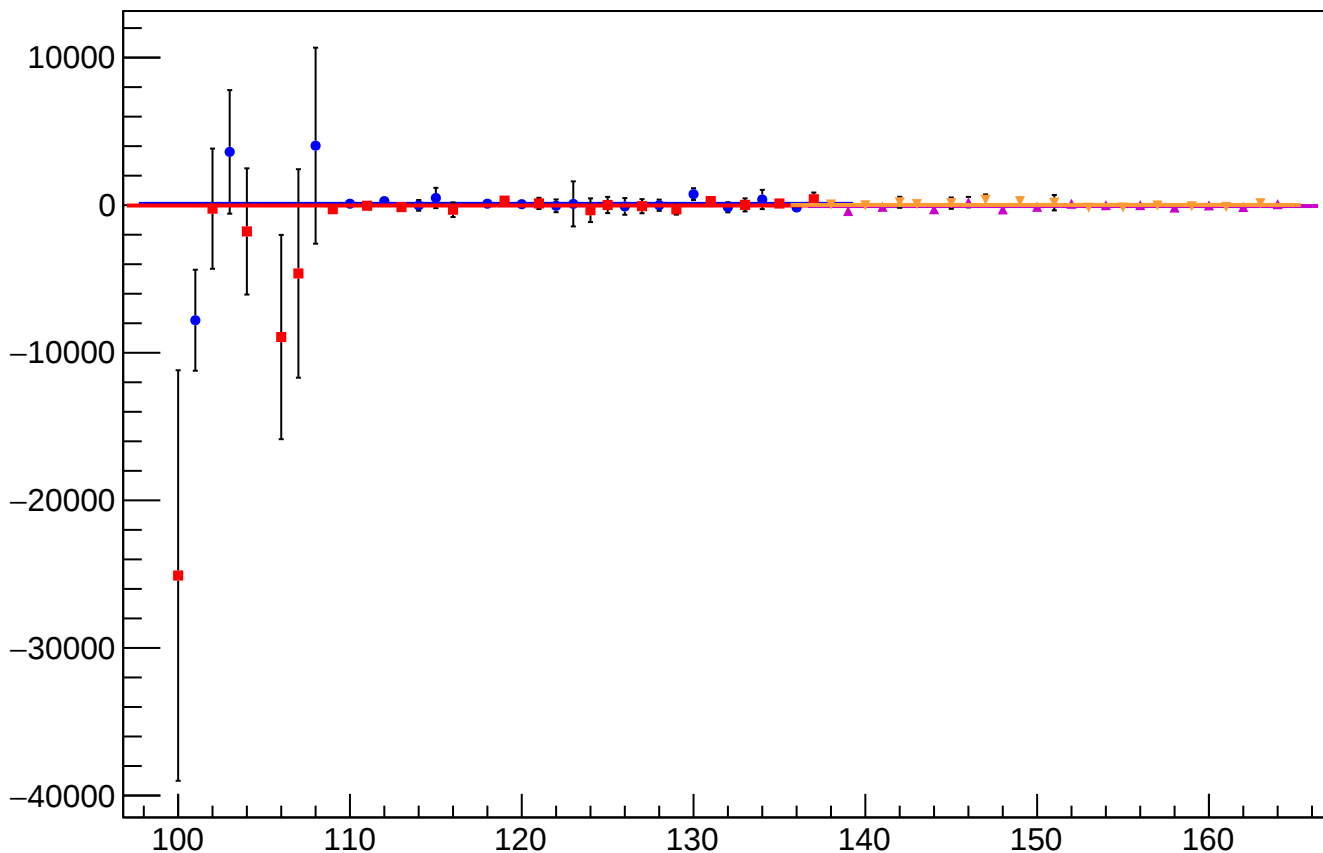
Left In: 25.164+/-0.006 χ^2/NDF : 22375.5/12

+ sign 25.475+/-0.004 χ^2/NDF : 32388.4/30

All: 25.360+/-0.003 χ^2/NDF : 70291.8/62

- sign 25.249+/-0.004 χ^2/NDF : 36535.9/31

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: 18.202+/-74.185 χ^2/NDF : 4.1/13

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

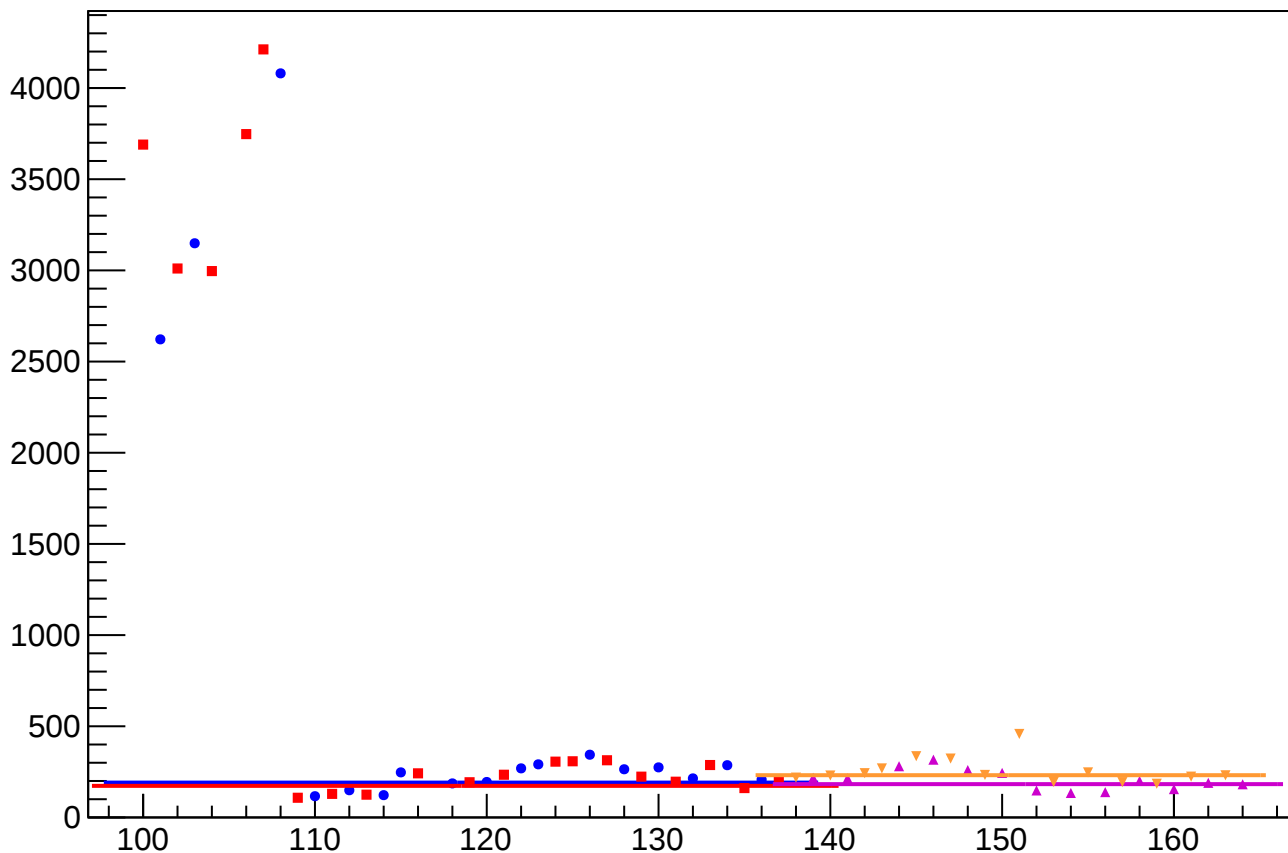
Left In: -58.470+/-60.629 χ^2/NDF : 4.8/12

+ sign 48.017+/-56.620 χ^2/NDF : 16.7/30

All: -5.950+/-36.841 χ^2/NDF : 35.2/62

- sign -45.575+/-48.517 χ^2/NDF : 16.9/31

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.190+/-0.062 χ^2/NDF : 3571747.5/16

Left Out: 231.758+/-0.052 χ^2/NDF : 893377.7/13

Right Out: 173.269+/-0.057 χ^2/NDF : 4207191.5/18

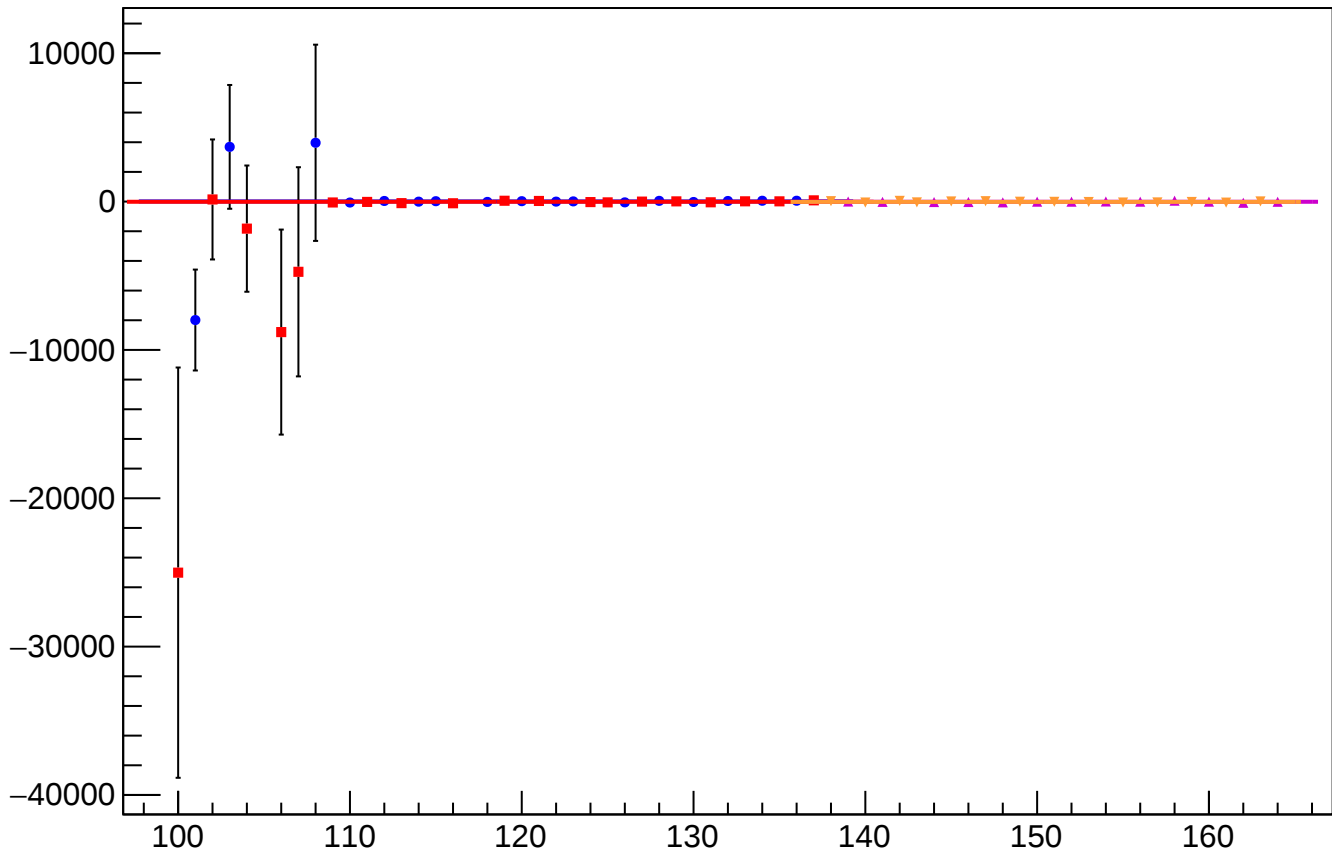
Left In: 182.739+/-0.043 χ^2/NDF : 1279964.1/12

+ sign 214.822+/-0.040 χ^2/NDF : 4714817.5/30

All: 194.358+/-0.026 χ^2/NDF : 10672586.4/62

- sign 179.333+/-0.034 χ^2/NDF : 5504703.3/31

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: -21.098+/-9.108 χ^2/NDF : 15.4/13

Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

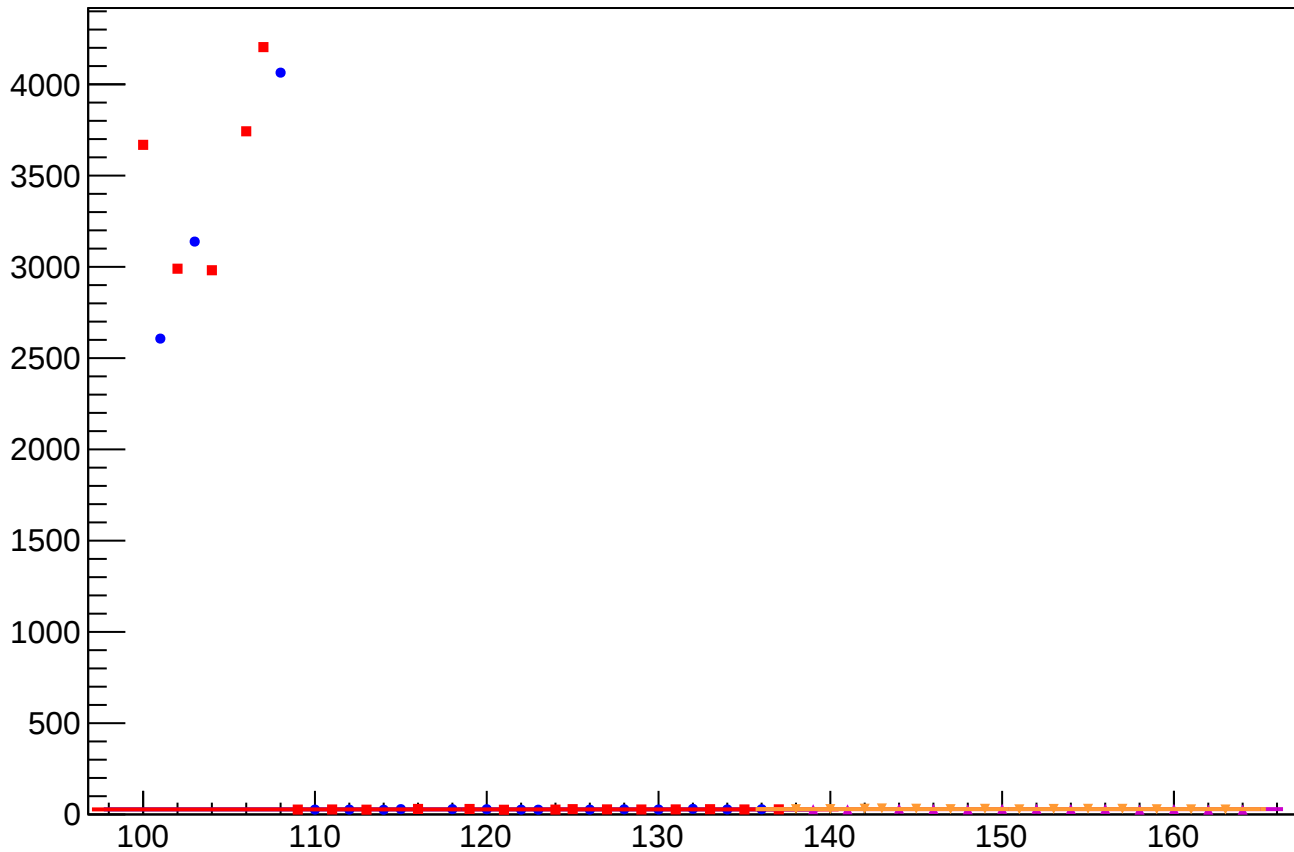
Left In: -13.343+/-9.127 χ^2/NDF : 13.8/12

+ sign -9.813+/-7.296 χ^2/NDF : 38.0/30

All: -11.503+/-5.166 χ^2/NDF : 76.3/62

- sign -13.202+/-7.314 χ^2/NDF : 38.2/31

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837 $\pm$ 0.009 χ^2 /NDF: 3026887.2/16

Left Out: 29.472 $\pm$ 0.006 χ^2 /NDF: 58020.5/13

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

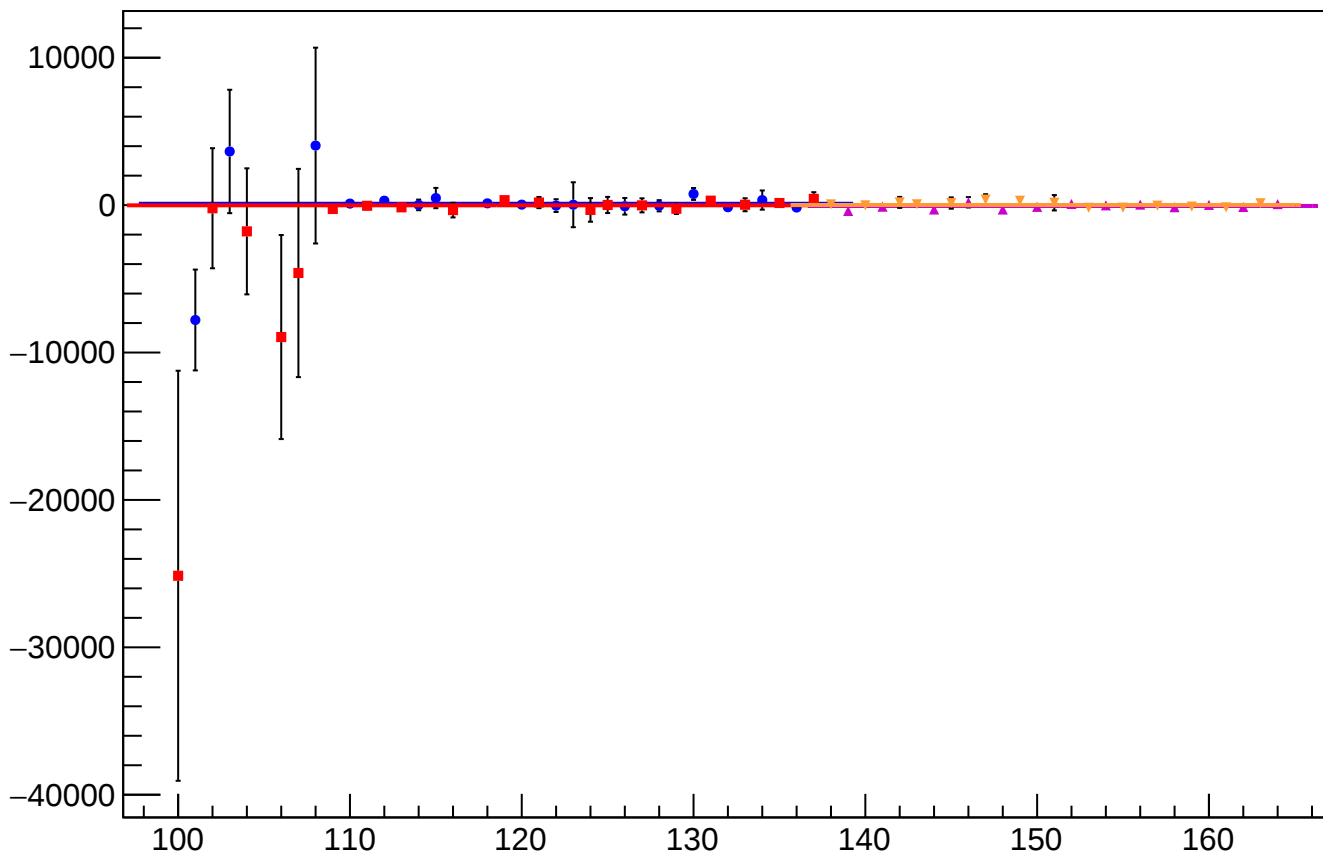
Left In: 29.181 $\pm$ 0.006 χ^2 /NDF: 93772.1/12

+ sign 28.886 $\pm$ 0.005 χ^2 /NDF: 3108015.9/30

All: 28.768 $\pm$ 0.004 χ^2 /NDF: 6698636.1/62

- sign 28.649 $\pm$ 0.005 χ^2 /NDF: 3589564.6/31

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: 10.645 $\pm$ 74.021 χ^2 /NDF: 4.7/13

Right Out: -12.772 $\pm$ 80.640 χ^2 /NDF: 12.7/18

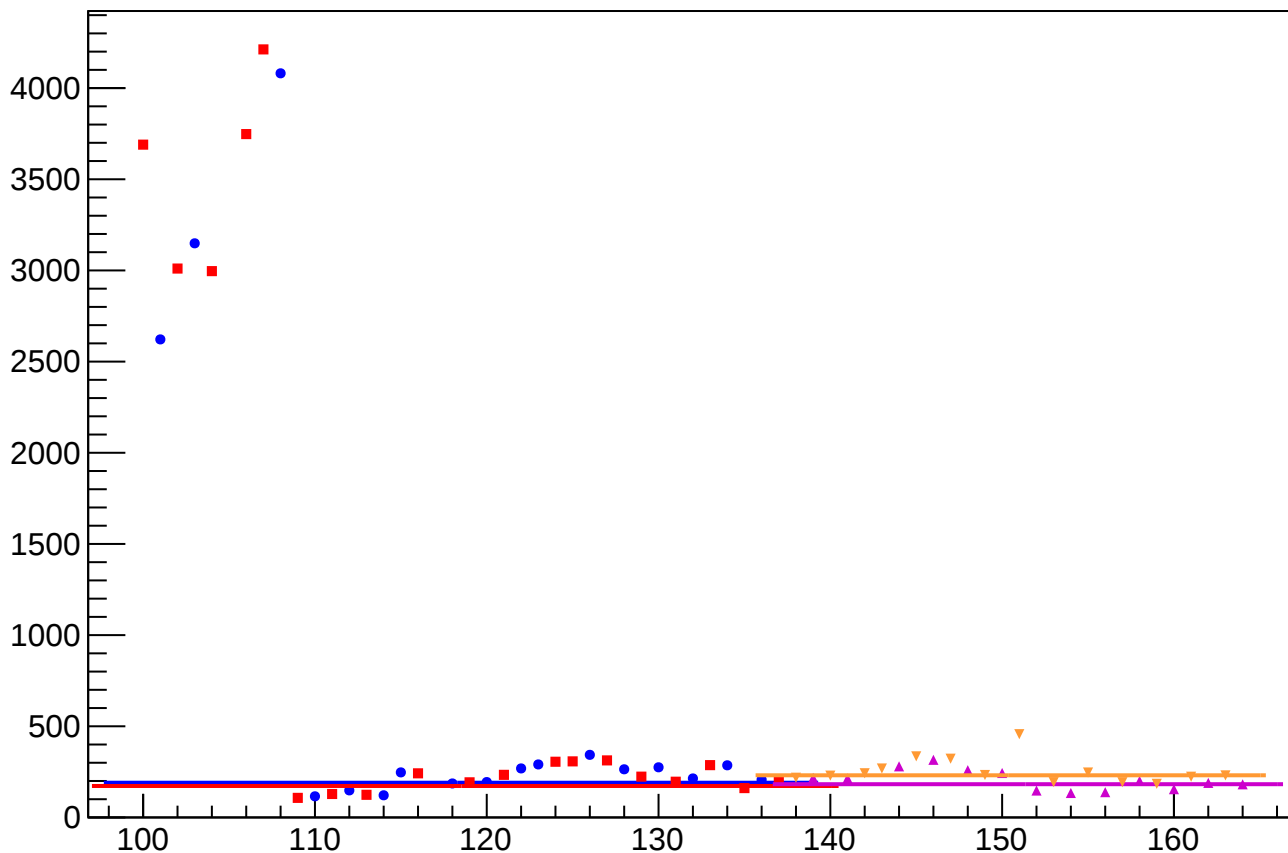
Left In: -56.460 $\pm$ 60.513 χ^2 /NDF: 5.0/12

+ sign 44.995 $\pm$ 56.474 χ^2 /NDF: 17.8/30

All: -4.422 $\pm$ 36.750 χ^2 /NDF: 37.0/62

- sign -40.721 $\pm$ 48.401 χ^2 /NDF: 17.8/31

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: 231.249+/-0.052 χ^2/NDF : 893378.5/13

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

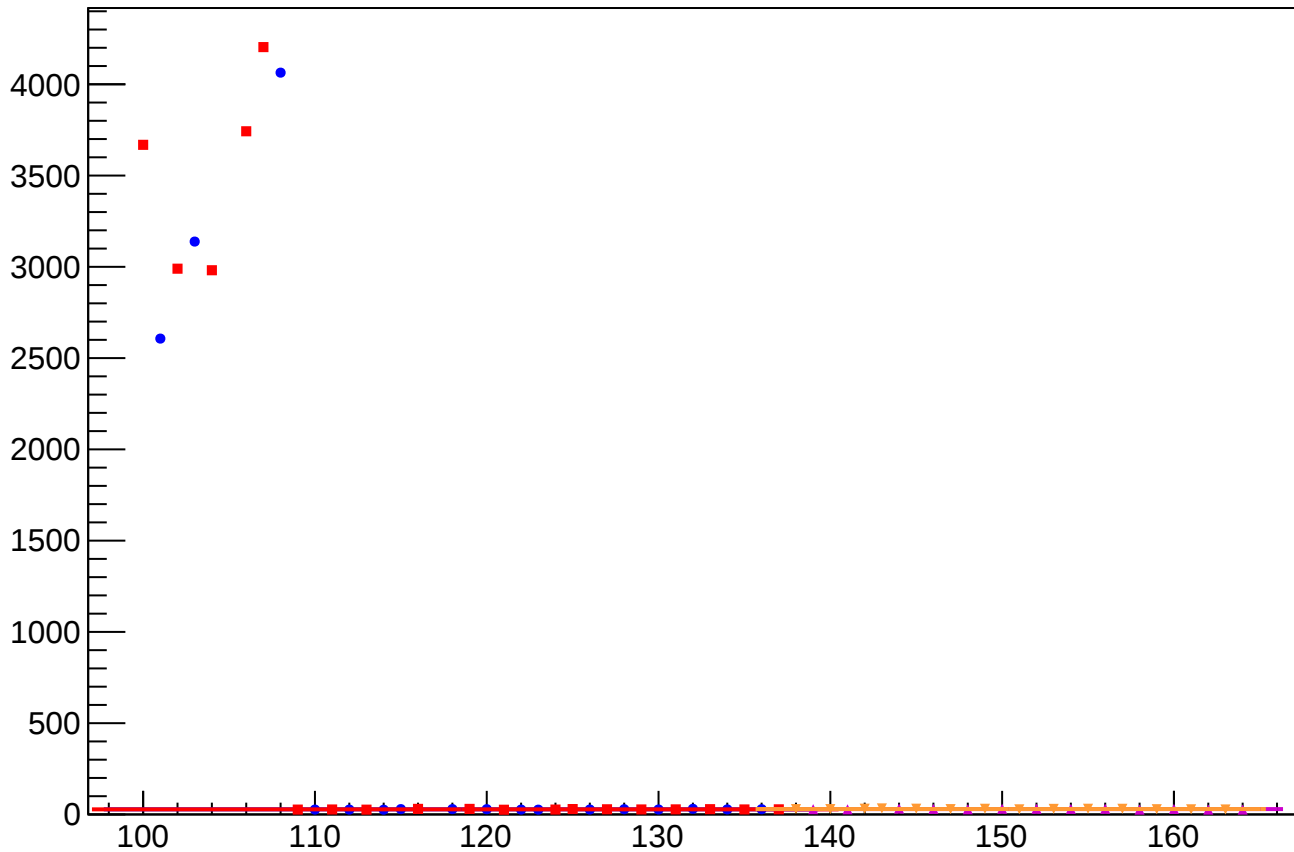
Left In: 182.391+/-0.043 χ^2/NDF : 1280222.7/12

+ sign 214.213+/-0.040 χ^2/NDF : 4730438.4/30

All: 193.834+/-0.026 χ^2/NDF : 10699660.4/62

- sign 178.864+/-0.034 χ^2/NDF : 5517464.4/31

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: 29.722+/-0.006 χ^2/NDF : 58198.2/13

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

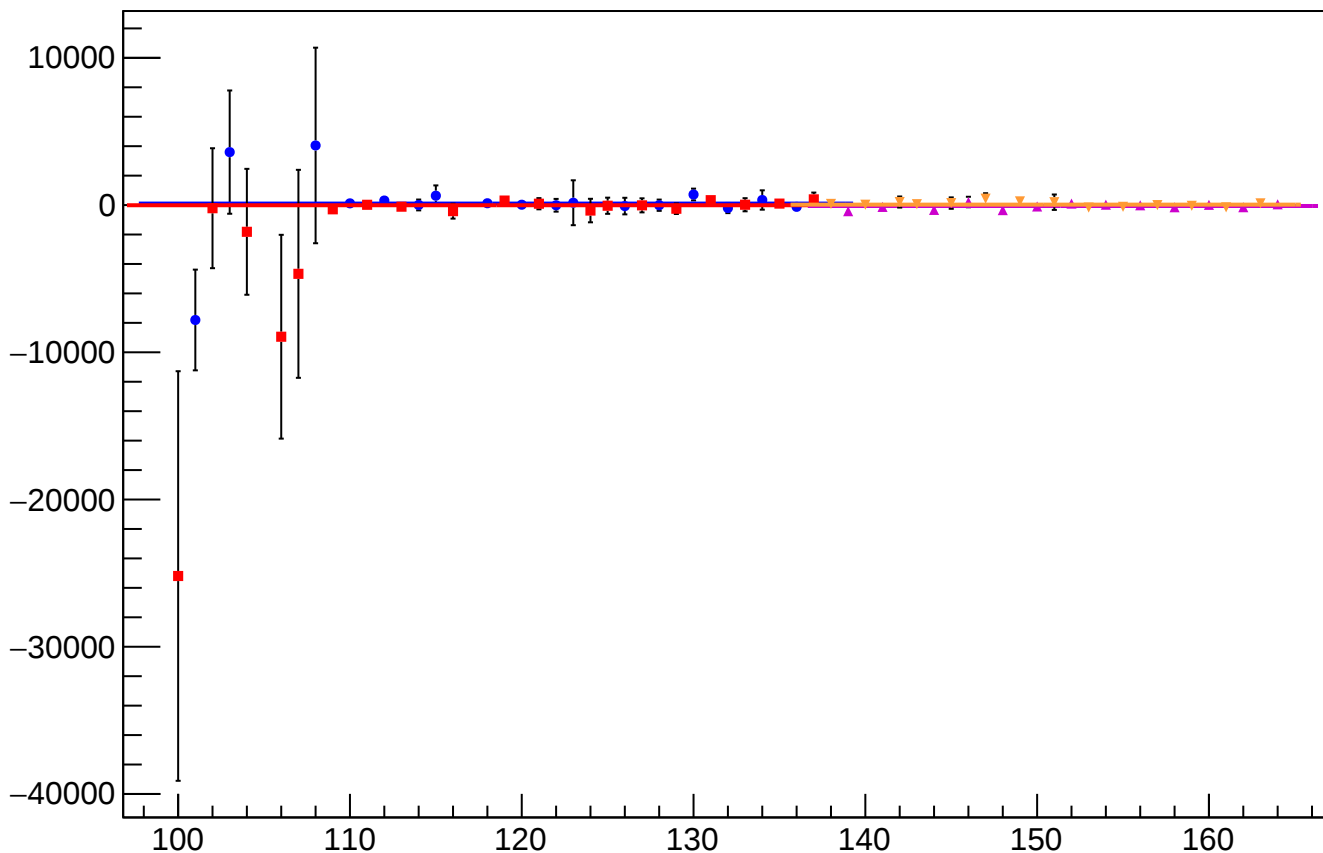
Left In: 29.391+/-0.006 χ^2/NDF : 91822.7/12

+ sign 29.112+/-0.005 χ^2/NDF : 3109757.1/30

All: 28.988+/-0.004 χ^2/NDF : 6700688.4/62

- sign 28.864+/-0.005 χ^2/NDF : 3589801.5/31

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: 30.226 $\pm$ 74.881 χ^2 /NDF: 4.1/13

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

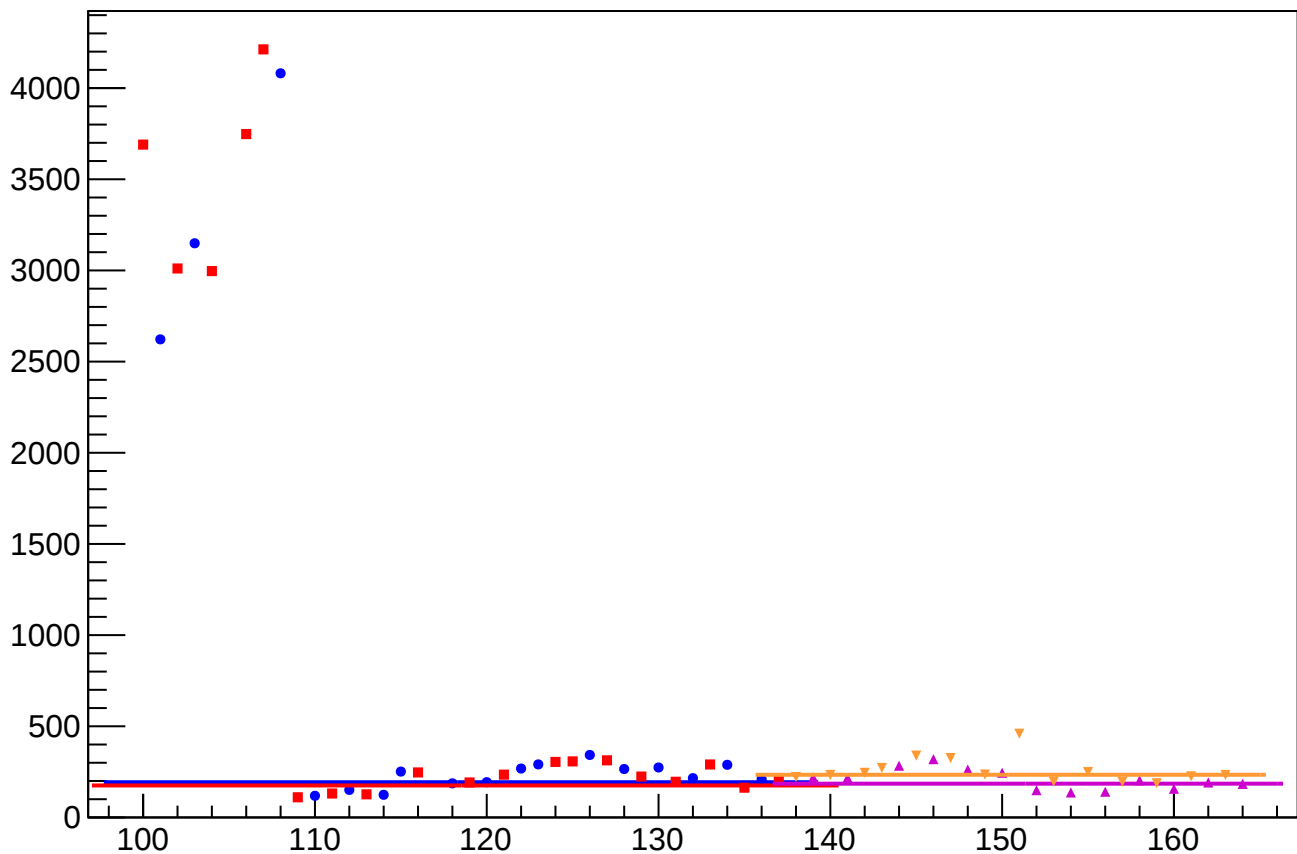
Left In: -62.353 $\pm$ 61.398 χ^2 /NDF: 5.7/12

+ sign 60.119 $\pm$ 57.135 χ^2 /NDF: 16.9/30

All: 0.270 $\pm$ 37.234 χ^2 /NDF: 37.0/62

- sign -43.909 $\pm$ 49.089 χ^2 /NDF: 18.2/31

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: 234.059 ± 0.053 χ^2/NDF : 883904.9/13

Right Out: 175.485 ± 0.058 χ^2/NDF : 4165391.7/18

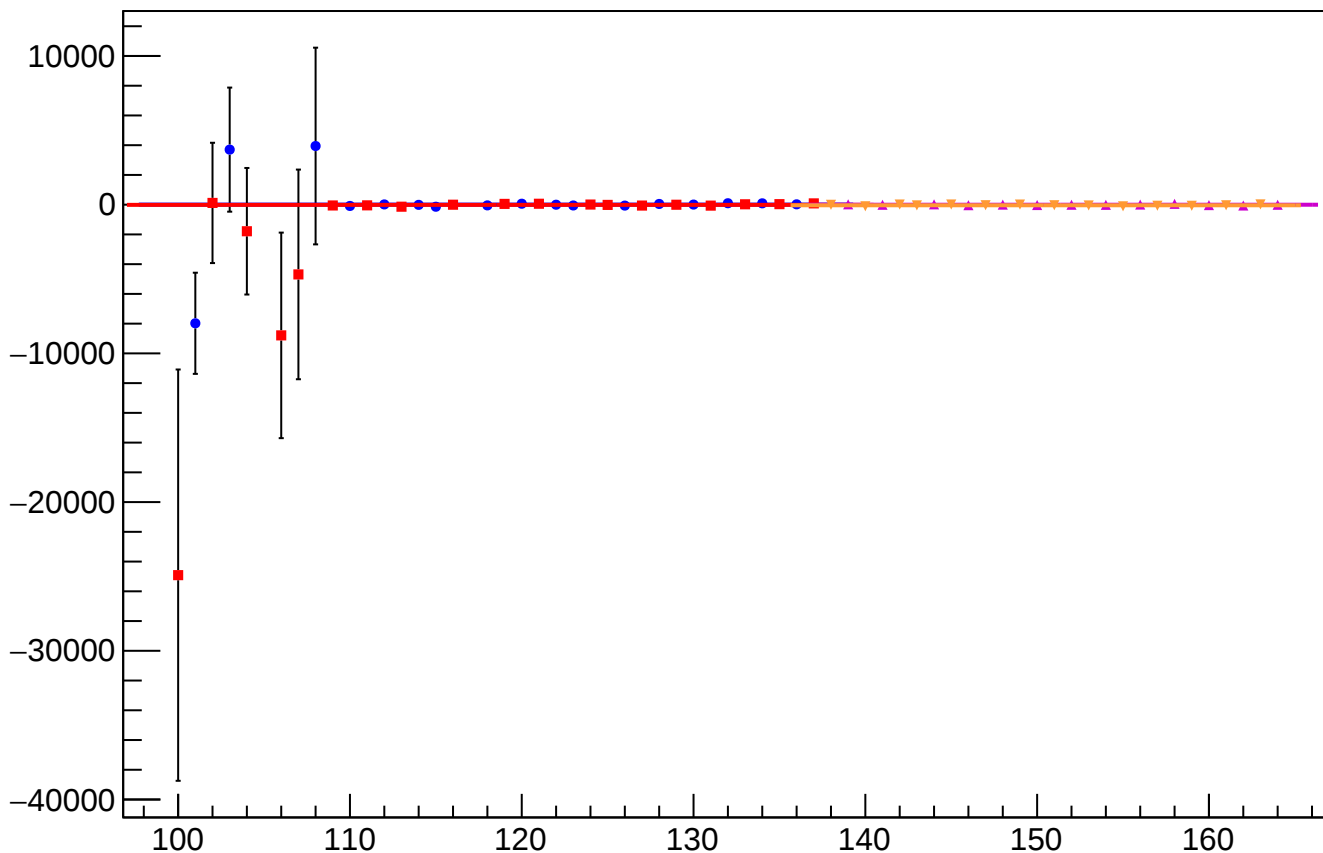
Left In: 185.262 ± 0.043 χ^2/NDF : 1254591.0/12

+ sign 216.983 ± 0.040 χ^2/NDF : 4668946.8/30

All: 196.704 ± 0.026 χ^2/NDF : 10545147.9/62

- sign 181.735 ± 0.035 χ^2/NDF : 5438279.5/31

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651+/-14.935 χ^2/NDF : 20.4/16

Left Out: -40.194+/-10.822 χ^2/NDF : 14.3/13

Right Out: -12.487+/-14.947 χ^2/NDF : 21.7/18

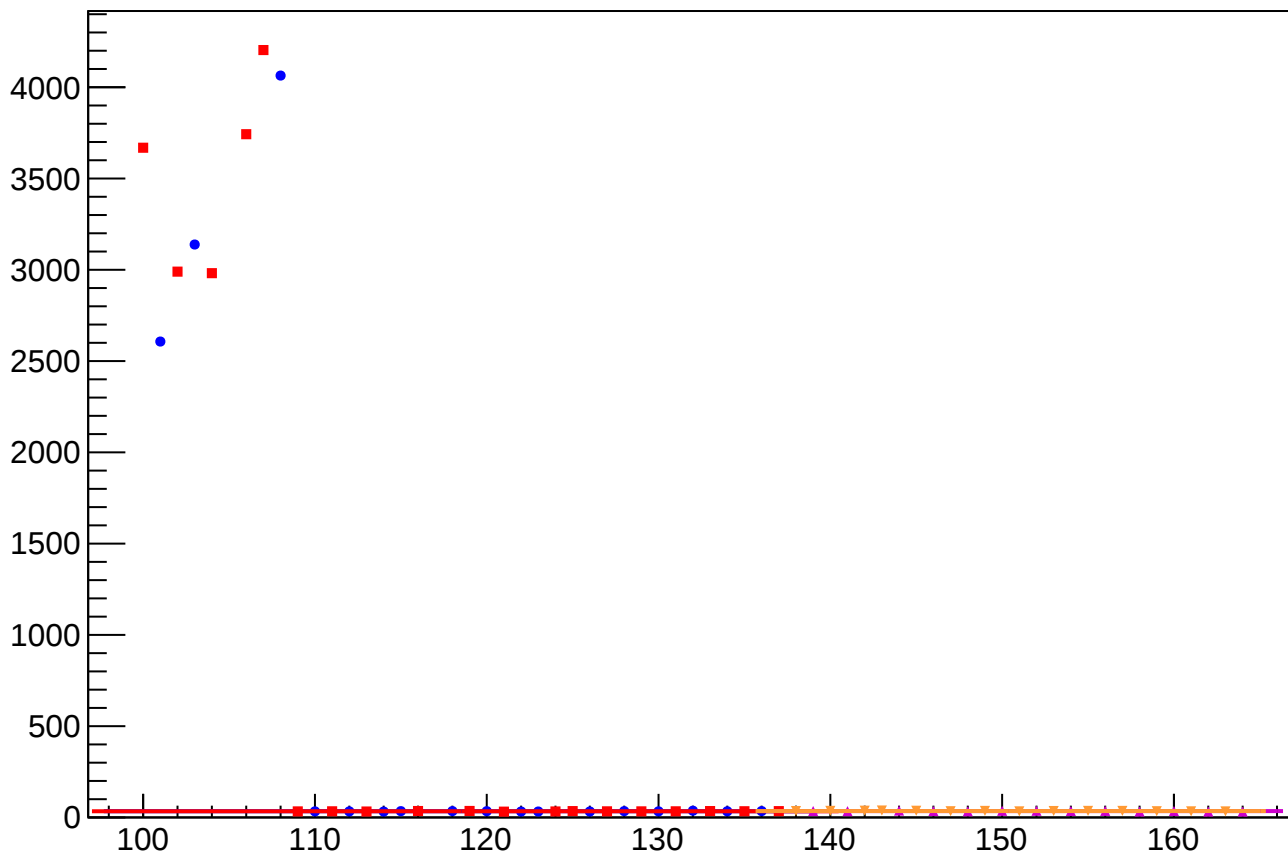
Left In: -3.542+/-10.882 χ^2/NDF : 7.1/12

+ sign -24.756+/-8.763 χ^2/NDF : 40.6/30

All: -15.734+/-6.209 χ^2/NDF : 71.7/62

- sign -6.641+/-8.798 χ^2/NDF : 29.0/31

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: 35.063 $\pm$ 0.008 χ^2 /NDF:32310.9/13

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

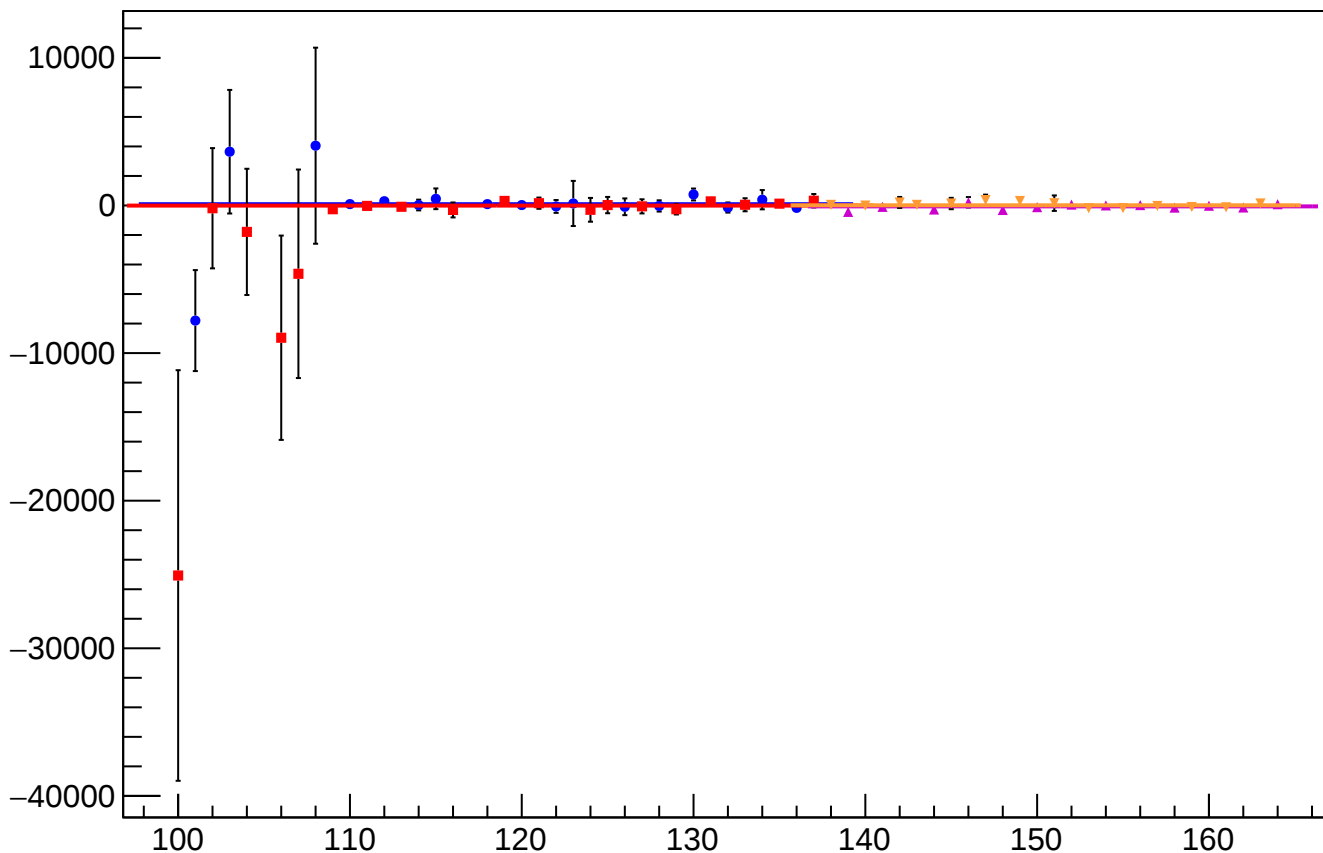
Left In: 34.865 $\pm$ 0.008 χ^2 /NDF:43400.9/12

+ sign 34.745 $\pm$ 0.006 χ^2 /NDF: 3043602.1/30

All: 34.640 $\pm$ 0.004 χ^2 /NDF: 6544770.6/62

- sign 34.535 $\pm$ 0.006 χ^2 /NDF: 3500599.5/31

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: 13.441+/-74.683 χ^2/NDF : 4.7/13

Right Out: -7.296+/-81.208 χ^2/NDF : 11.1/18

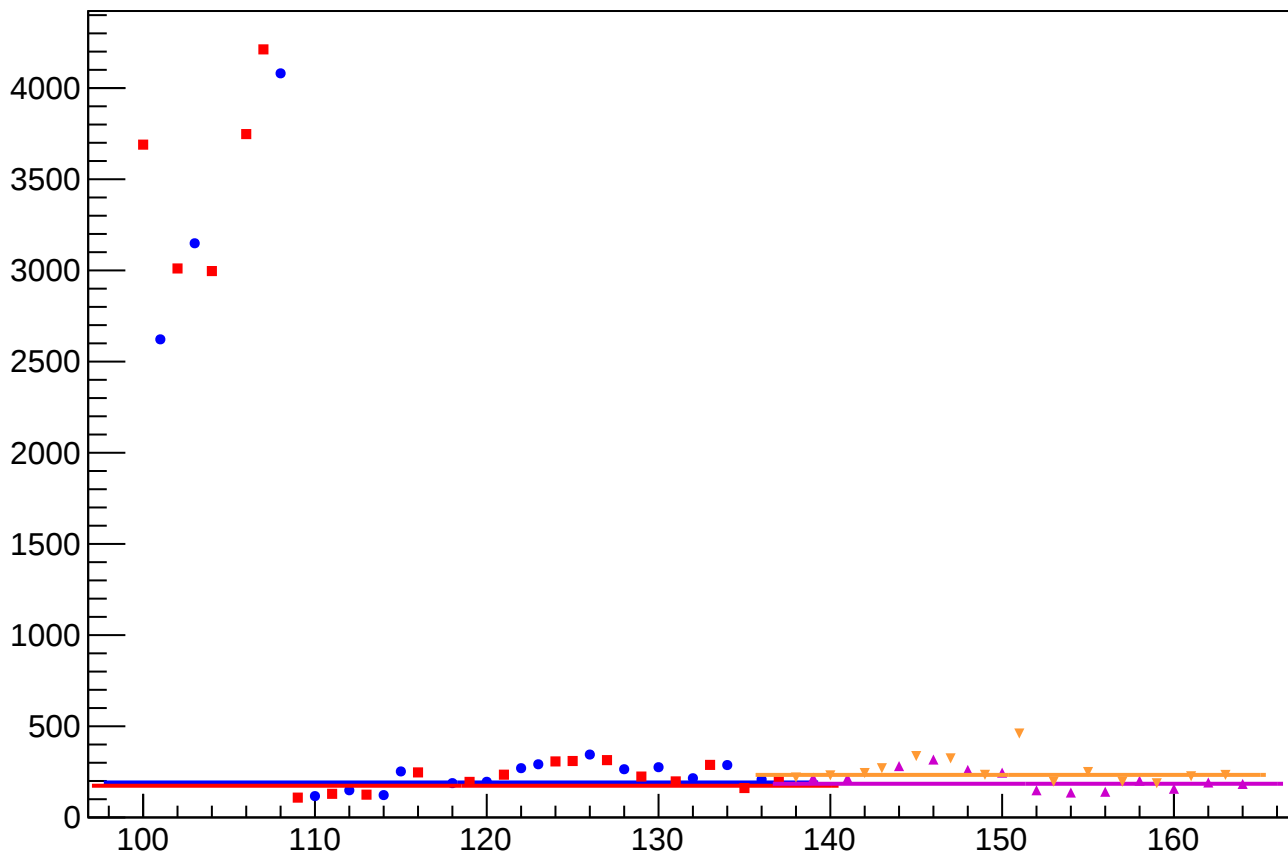
Left In: -60.469+/-61.214 χ^2/NDF : 5.2/12

+ sign 43.858+/-56.927 χ^2/NDF : 17.4/30

All: -5.103+/-37.086 χ^2/NDF : 35.3/62

- sign -41.203+/-48.882 χ^2/NDF : 16.6/31

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: 233.454+/-0.053 χ^2/NDF : 877027.8/13

Right Out: 173.928+/-0.057 χ^2/NDF : 4211385.1/18

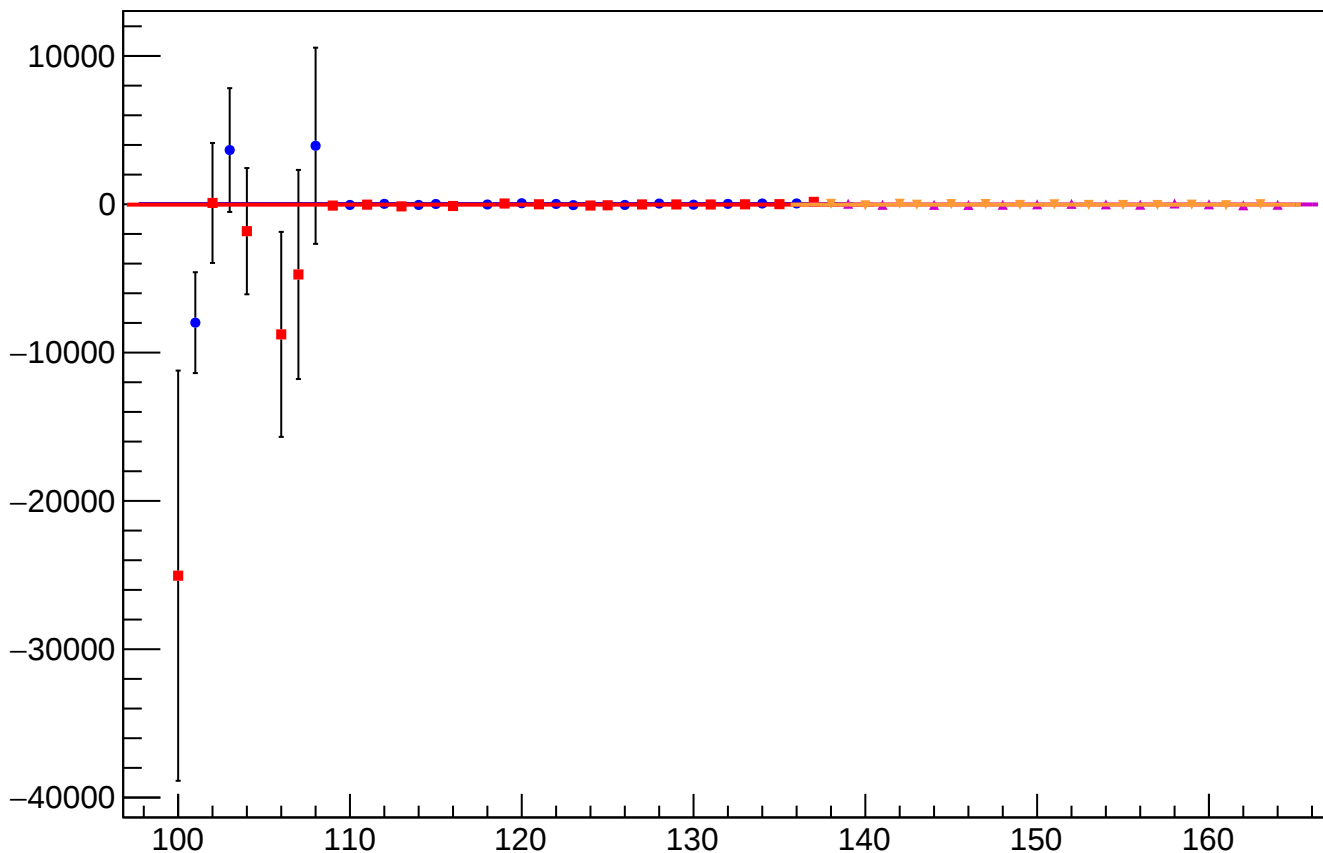
Left In: 184.729+/-0.043 χ^2/NDF : 1240200.4/12

+ sign 216.036+/-0.040 χ^2/NDF : 4709759.5/30

All: 195.763+/-0.026 χ^2/NDF : 10624554.5/62

- sign 180.816+/-0.035 χ^2/NDF : 5474148.9/31

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: -22.705+/-9.815 χ^2/NDF : 11.0/13

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

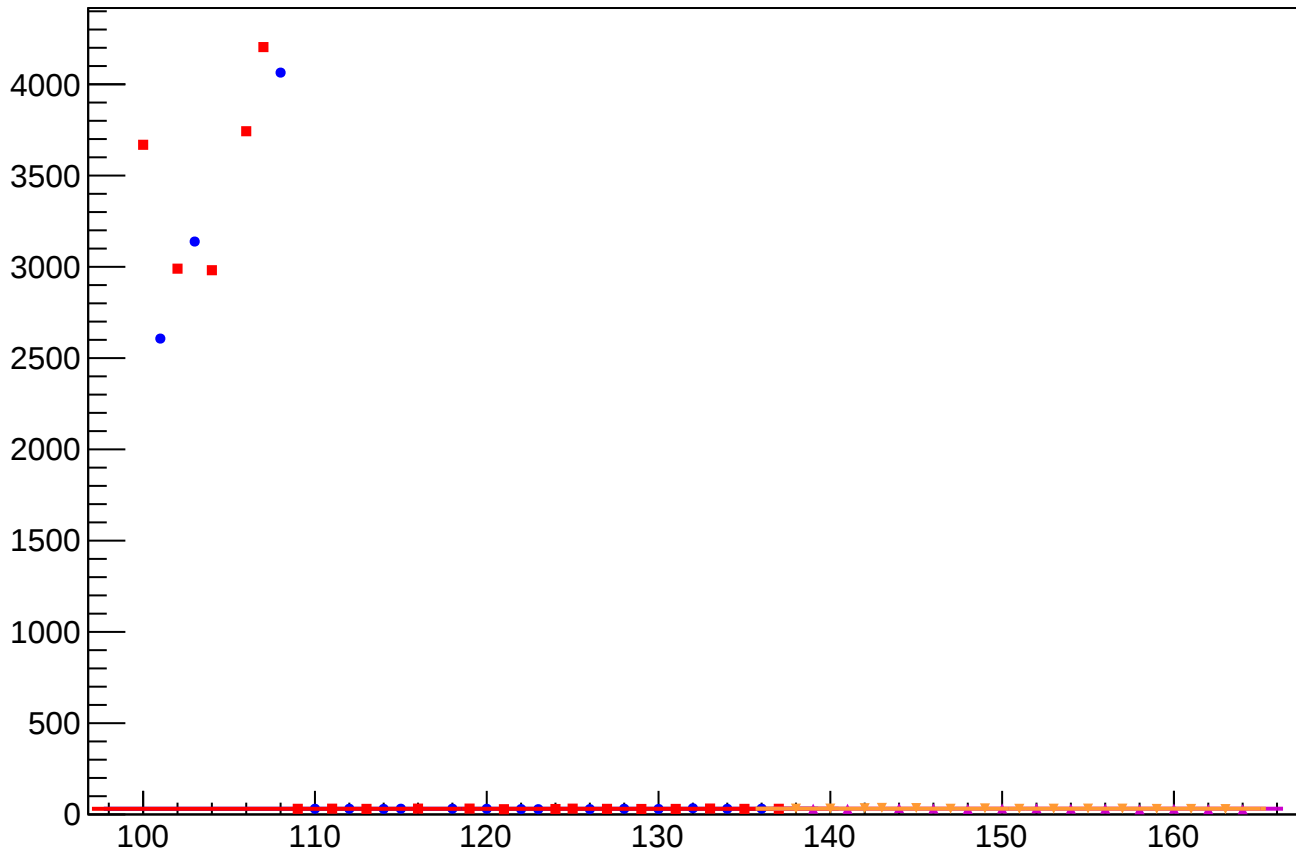
Left In: -11.749+/-9.847 χ^2/NDF : 12.7/12

+ sign -10.115+/-7.962 χ^2/NDF : 31.0/30

All: -12.912+/-5.639 χ^2/NDF : 71.9/62

- sign -15.726+/-7.987 χ^2/NDF : 40.6/31

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: 31.764 $\pm$ 0.007 χ^2 /NDF: 58706.8/13

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

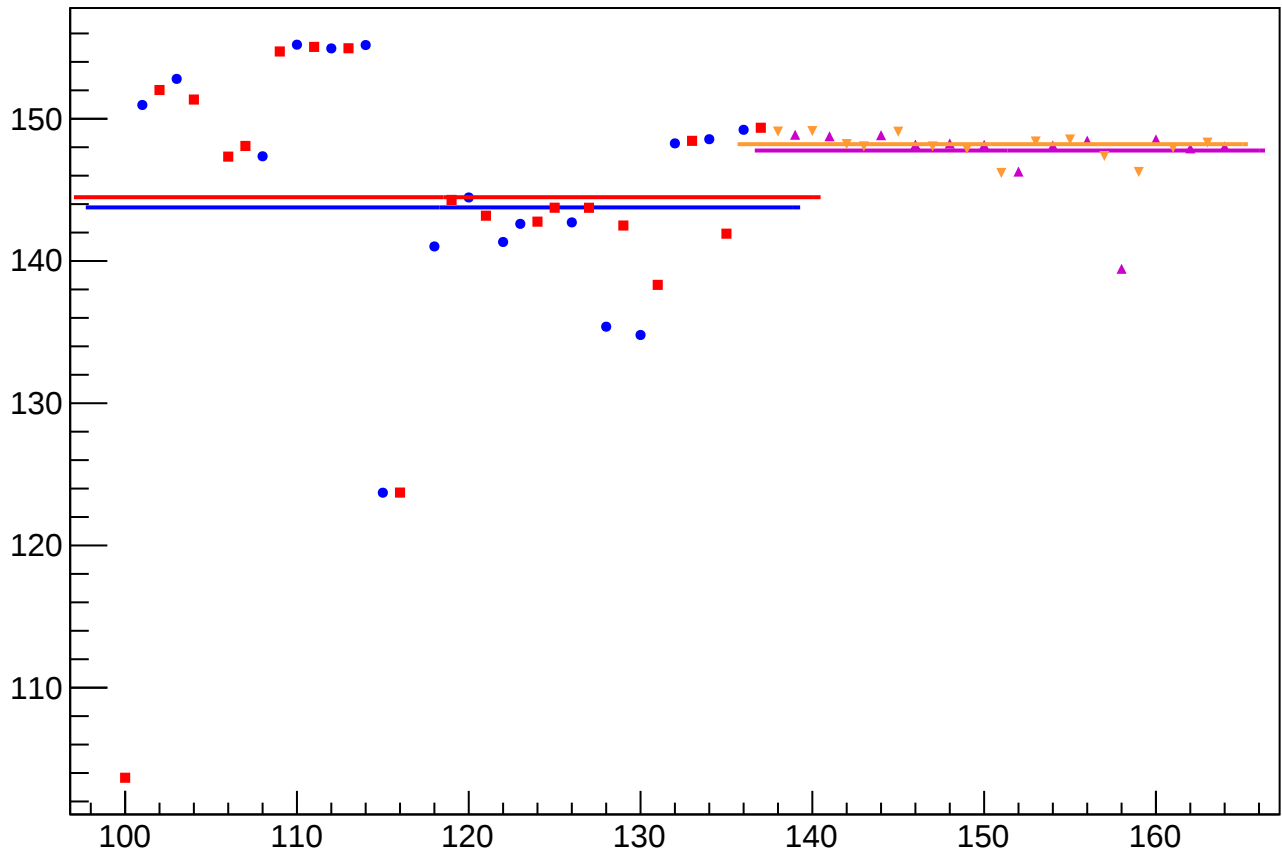
Left In: 31.492 $\pm$ 0.007 χ^2 /NDF: 77450.6/12

+ sign 31.546 $\pm$ 0.006 χ^2 /NDF: 3076018.1/30

All: 31.429 $\pm$ 0.004 χ^2 /NDF: 6615257.2/62

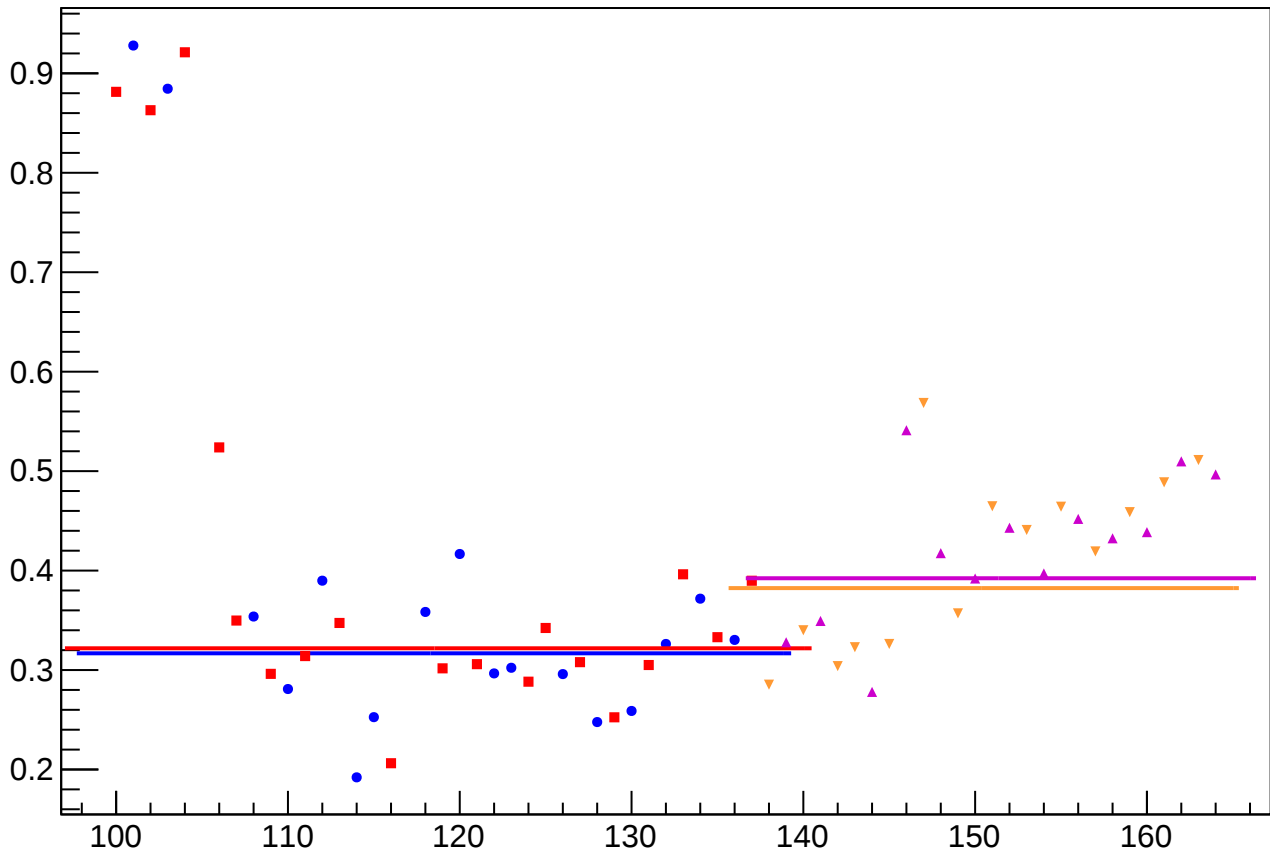
- sign 31.311 $\pm$ 0.006 χ^2 /NDF: 3538368.1/31

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000	χ^2 /NDF: 3532173868.5/16	+ sign 146.182 $\pm$ 0.000	χ^2 /NDF: 4180148607.9/30
Left Out: 148.215 $\pm$ 0.000	χ^2 /NDF: 50631695.3/13	All: 146.193 $\pm$ 0.000	χ^2 /NDF: 9003235157.7
Right Out: 144.486 $\pm$ 0.000	χ^2 /NDF: 4183608291.3/18	- sign 146.204 $\pm$ 0.000	χ^2 /NDF: 4823057830.2/31
Left In: 147.768 $\pm$ 0.000	χ^2 /NDF: 320328561.5/12		

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1278613.2/16

Left Out: 0.382 $\pm$ 0.000 χ^2 /NDF:839047.1/13

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1217762.5/18

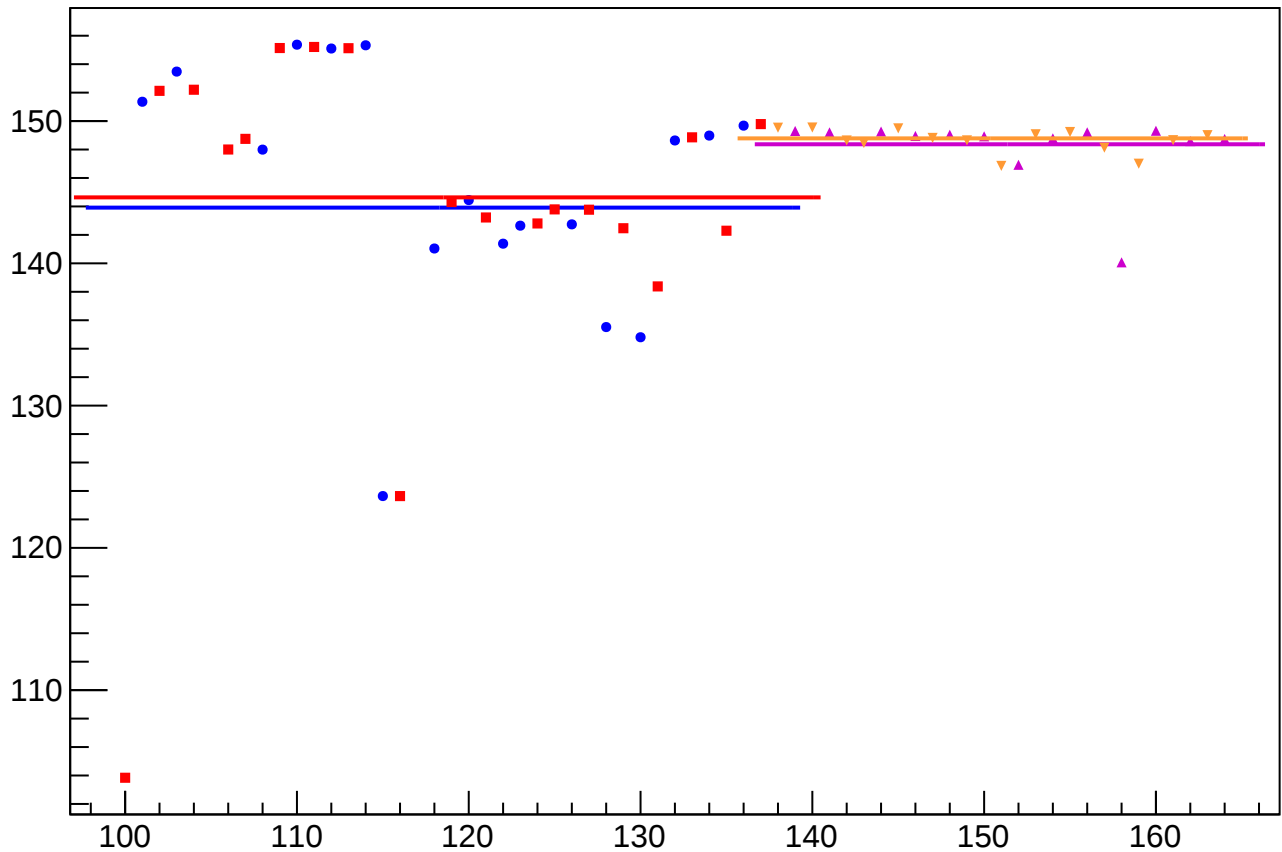
Left In: 0.392 $\pm$ 0.000 χ^2 /NDF:689371.5/12

+ sign 0.352 $\pm$ 0.000 χ^2 /NDF: 2377468.6/30

All: 0.356 $\pm$ 0.000 χ^2 /NDF: 4583228.7/62

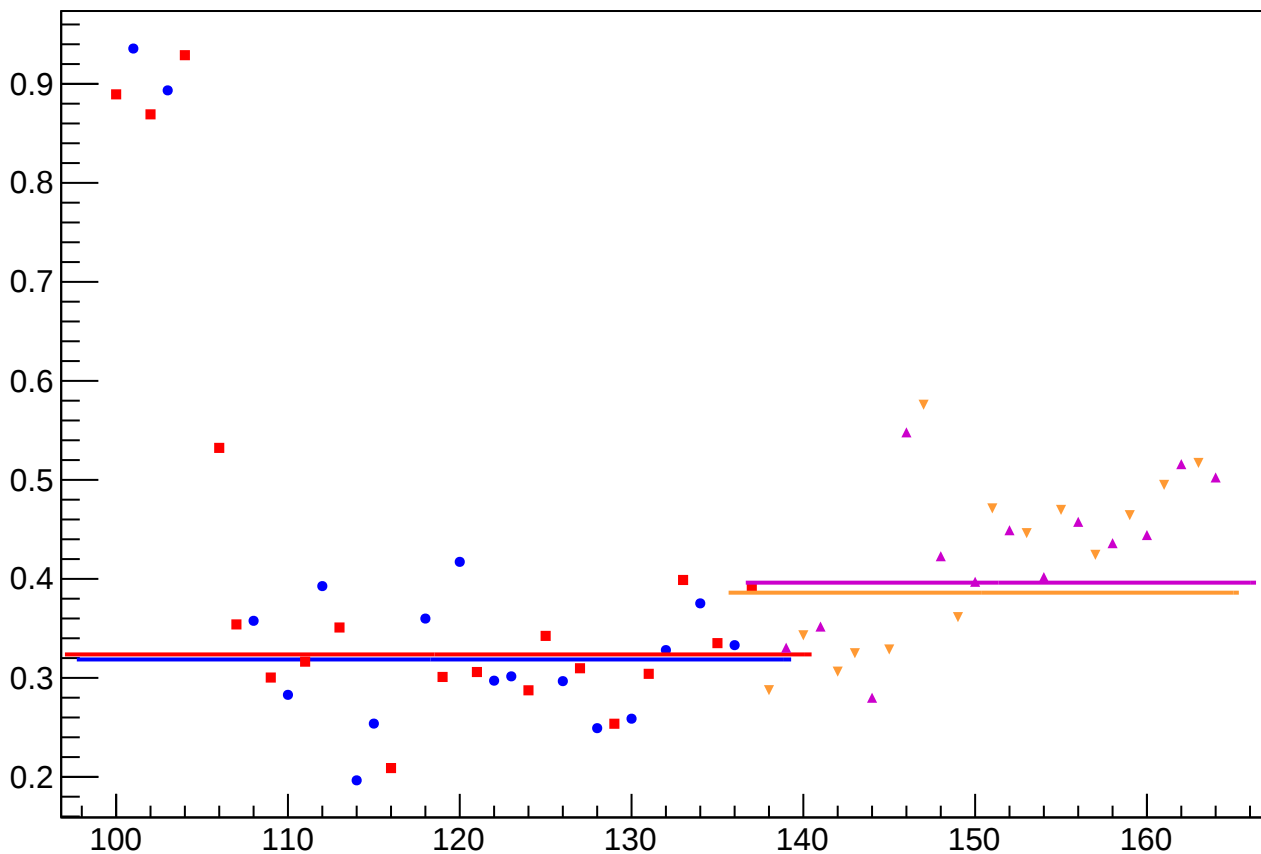
- sign 0.359 $\pm$ 0.000 χ^2 /NDF: 2200960.1/31

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000	χ^2 /NDF: 3584662767.5/16	+ sign 146.548 $\pm$ 0.000	χ^2 /NDF: 4329478498.0/30
Left Out: 148.784 $\pm$ 0.000	χ^2 /NDF: 39849951.0/13	All: 146.565 $\pm$ 0.000	χ^2 /NDF: 9256167851.8
Right Out: 144.637 $\pm$ 0.000	χ^2 /NDF: 4210524953.9/18	- sign 146.582 $\pm$ 0.000	χ^2 /NDF: 4926621099.7/31
Left In: 148.369 $\pm$ 0.000	χ^2 /NDF: 309906001.5/12		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319+/-0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.386+/-0.000 χ^2/NDF : 855194.1/13

Right Out: 0.324+/-0.000 χ^2/NDF : 1220898.3/18

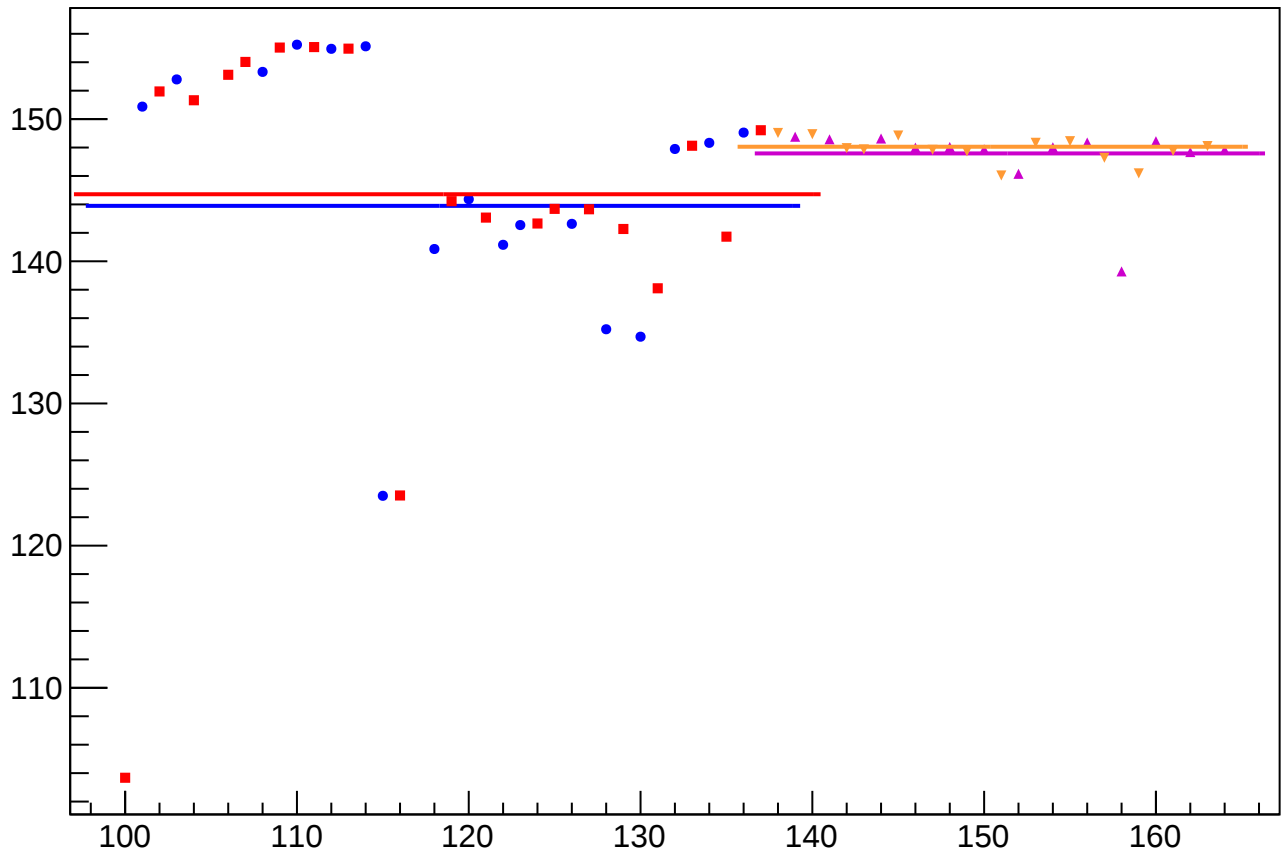
Left In: 0.396+/-0.000 χ^2/NDF : 703991.8/12

+ sign 0.355+/-0.000 χ^2/NDF : 2406845.2/30

All: 0.358+/-0.000 χ^2/NDF : 4642920.9/62

- sign 0.361+/-0.000 χ^2/NDF : 2231223.4/31

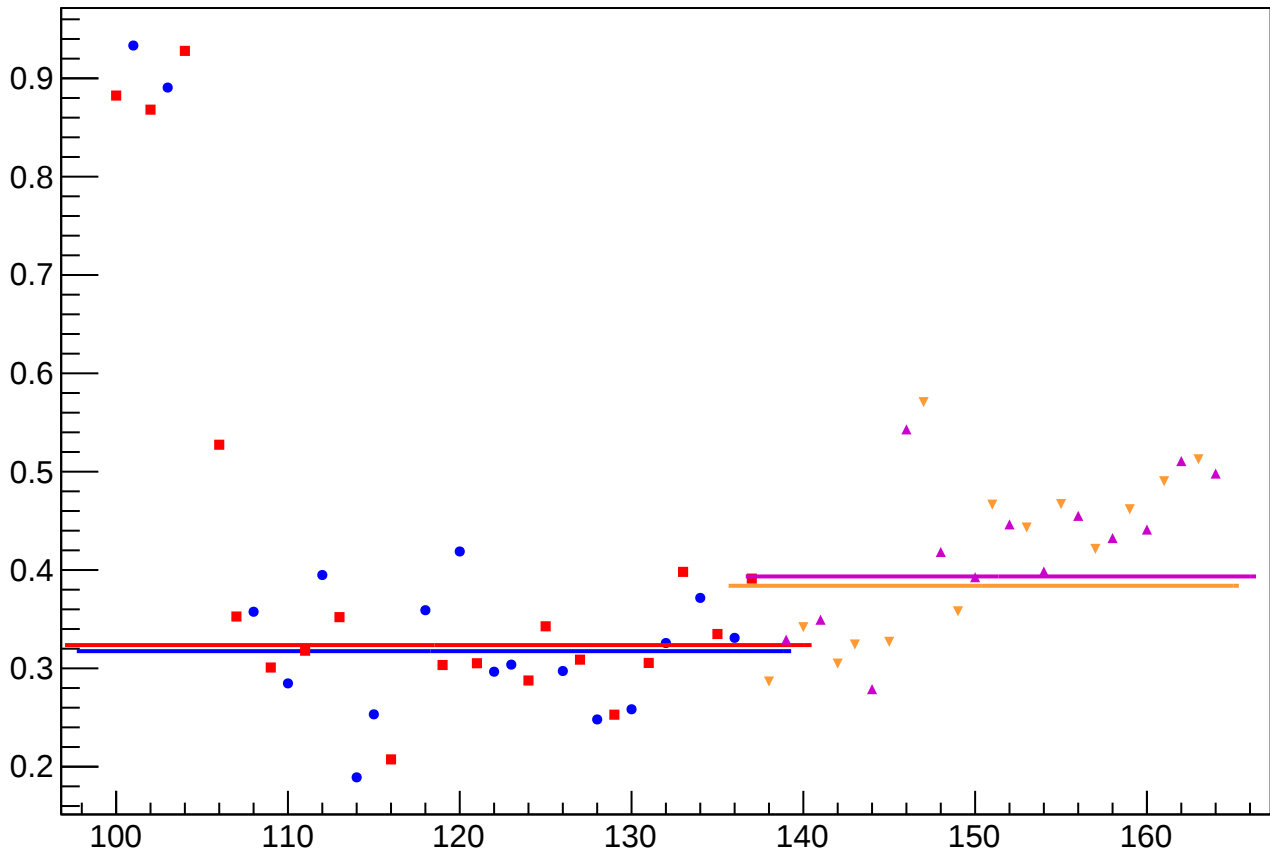
yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16
 Left Out: 148.056 $\pm$ 0.000 χ^2 /NDF: 48942699.4/13
 Right Out: 144.715 $\pm$ 0.000 χ^2 /NDF: 4474458988.7/18
 Left In: 147.586 $\pm$ 0.000 χ^2 /NDF: 318914410.4/12

+ sign 146.153 $\pm$ 0.000 χ^2 /NDF: 4317400062.5/30
 All: 146.187 $\pm$ 0.000 χ^2 /NDF: 9353103240.5
 - sign 146.222 $\pm$ 0.000 χ^2 /NDF: 5035422657.1/31

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.384 ± 0.000 χ^2/NDF : 840821.9/13

Right Out: 0.324 ± 0.000 χ^2/NDF : 1221676.7/18

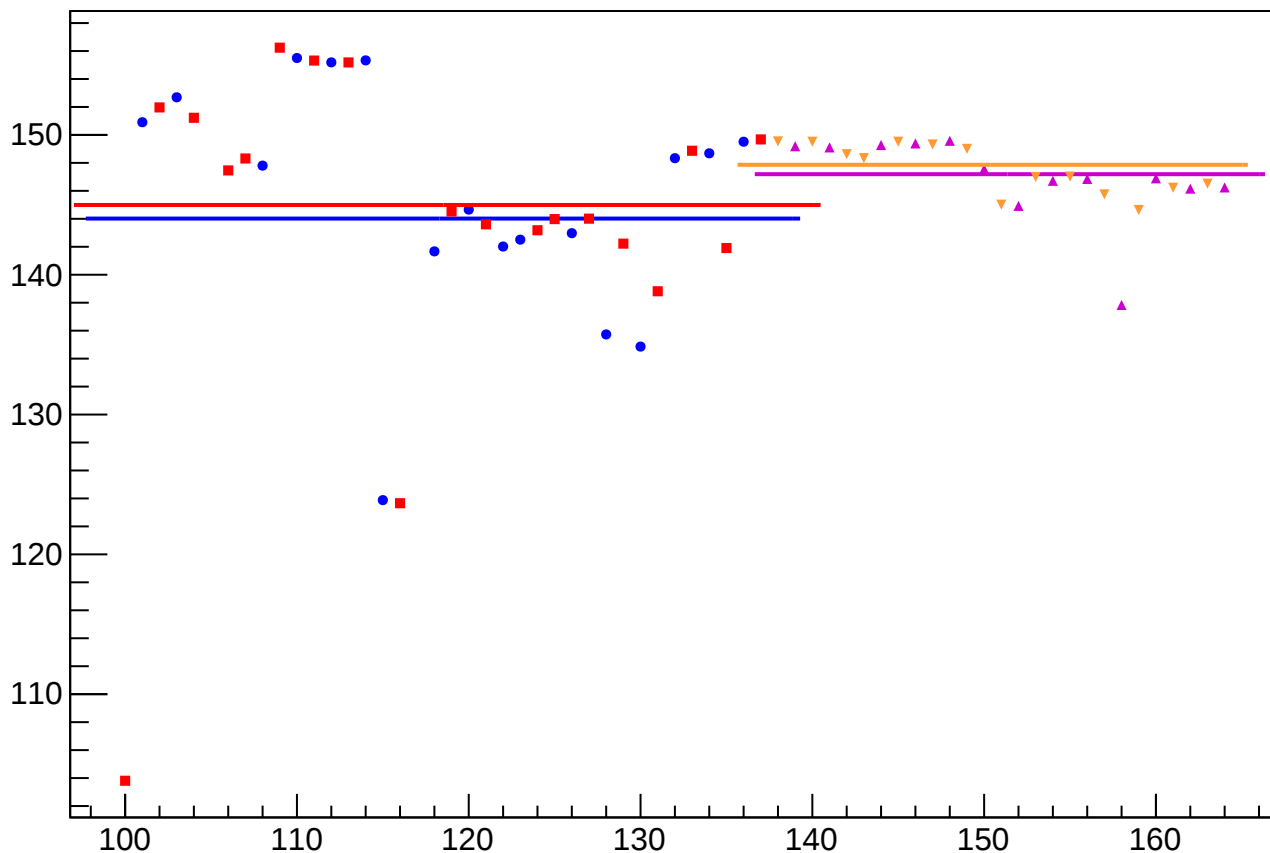
Left In: 0.393 ± 0.000 χ^2/NDF : 692585.9/12

+ sign 0.354 ± 0.000 χ^2/NDF : 2399191.2/30

All: 0.357 ± 0.000 χ^2/NDF : 4604952.4/62

- sign 0.360 ± 0.000 χ^2/NDF : 2200333.6/31

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 $\pm$ 0.000 χ^2 /NDF: 3238525527.6/16

Left Out: 147.864 $\pm$ 0.000 χ^2 /NDF:170908671.5/13

Right Out: 144.990 $\pm$ 0.000 χ^2 /NDF: 3853449012.9/18

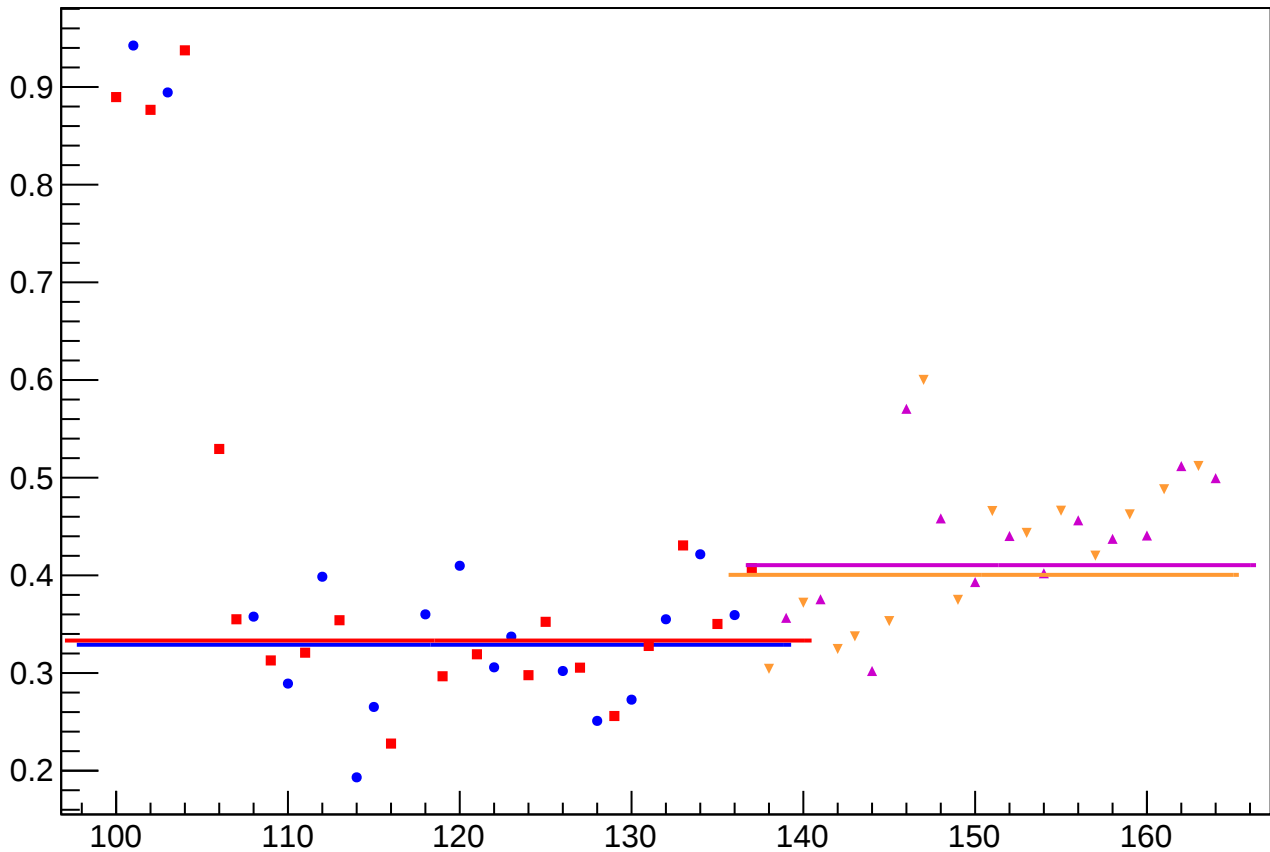
Left In: 147.192 $\pm$ 0.000 χ^2 /NDF:484285130.6/12

+ sign 146.098 $\pm$ 0.000 χ^2 /NDF: 3820722295.6/30

All: 146.117 $\pm$ 0.000 χ^2 /NDF: 8291516766.4

- sign 146.136 $\pm$ 0.000 χ^2 /NDF: 4470717245.9/31

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 $\pm$ 0.000 χ^2 /NDF: 1276118.3/16

Left Out: 0.401 $\pm$ 0.000 χ^2 /NDF: 657949.4/13

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1182496.7/18

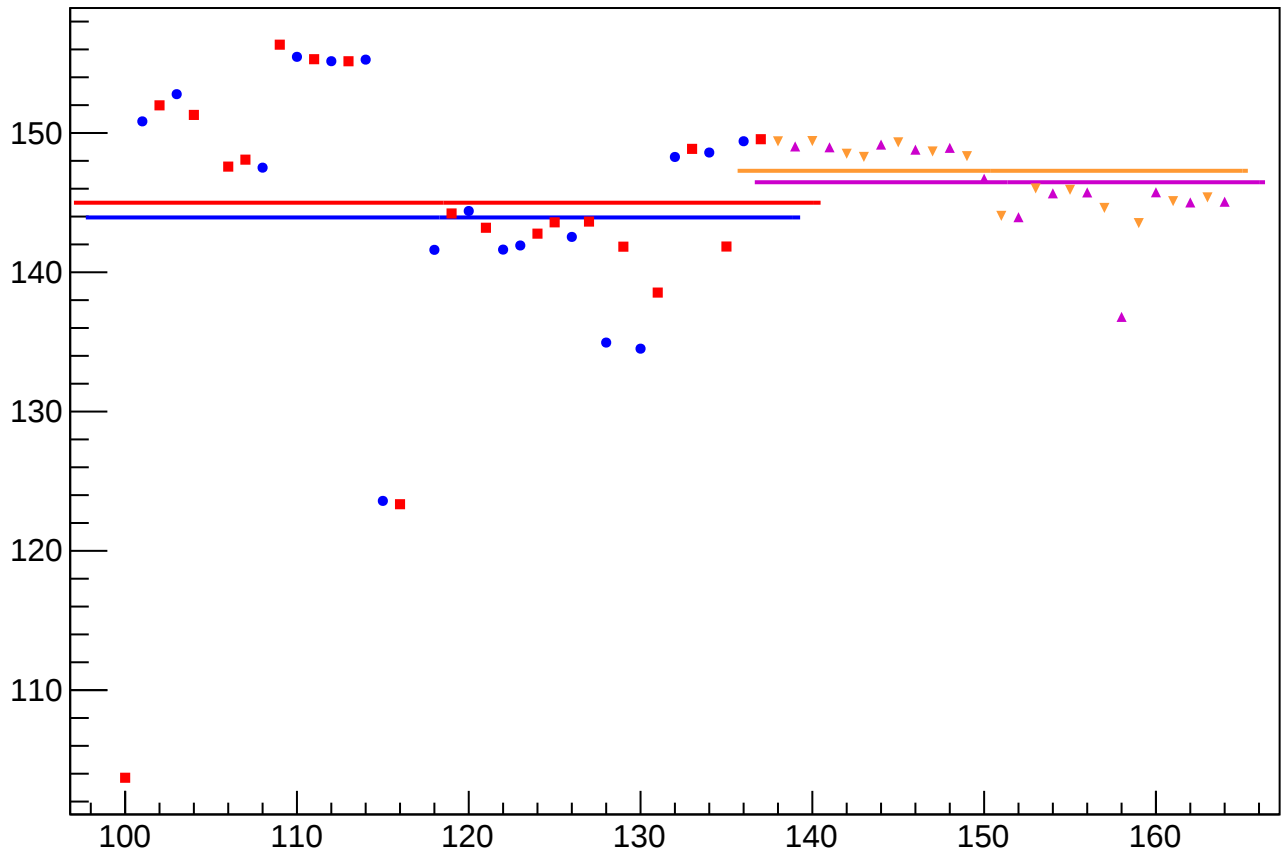
Left In: 0.410 $\pm$ 0.000 χ^2 /NDF: 530417.7/12

+ sign 0.368 $\pm$ 0.000 χ^2 /NDF: 2218646.4/30

All: 0.371 $\pm$ 0.000 χ^2 /NDF: 4261920.7/62

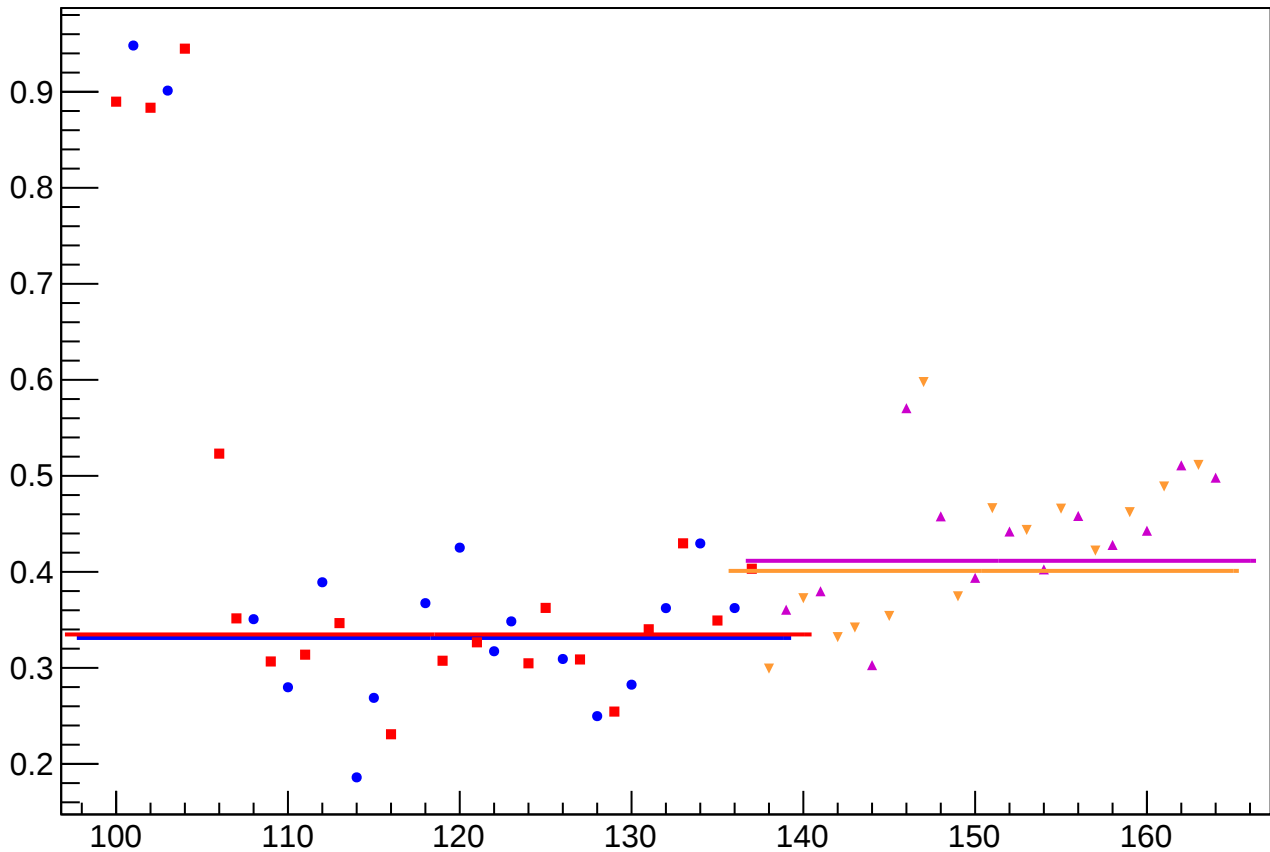
- sign 0.373 $\pm$ 0.000 χ^2 /NDF: 2039603.1/31

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000	χ^2 /NDF: 3379203532.9/16	+ sign 145.759 $\pm$ 0.000	χ^2 /NDF: 3947025011.0/30
Left Out: 147.286 $\pm$ 0.000	χ^2 /NDF: 259587424.2/13	All: 145.760 $\pm$ 0.000	χ^2 /NDF: 8533238554.9
Right Out: 144.995 $\pm$ 0.000	χ^2 /NDF: 3934069043.2/18	- sign 145.761 $\pm$ 0.000	χ^2 /NDF: 4586213351.7/31
Left In: 146.464 $\pm$ 0.000	χ^2 /NDF: 593448442.4/12		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331+/-0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.401+/-0.000 χ^2/NDF : 656571.4/13

Right Out: 0.335+/-0.000 χ^2/NDF : 1172239.8/18

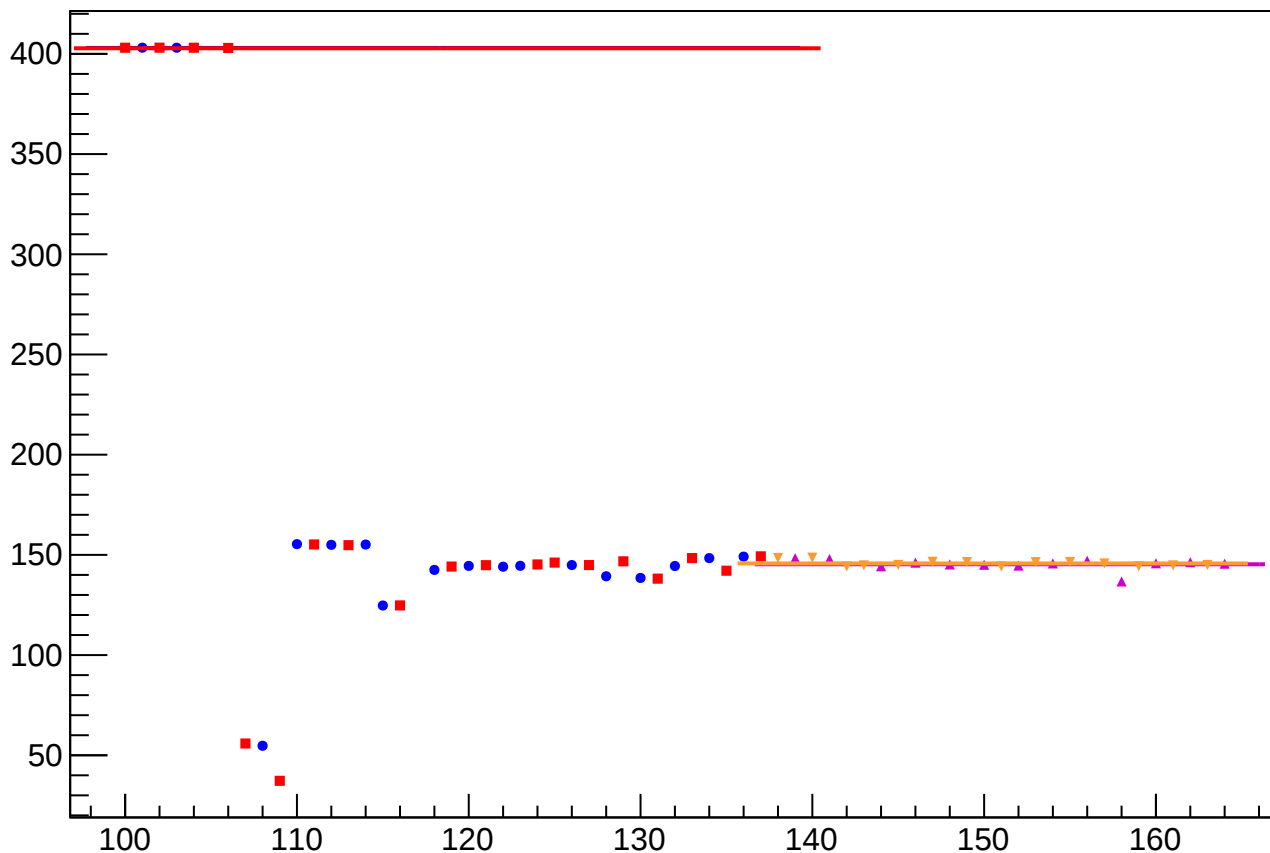
Left In: 0.412+/-0.000 χ^2/NDF : 512986.7/12

+ sign 0.369+/-0.000 χ^2/NDF : 2220496.0/30

All: 0.372+/-0.000 χ^2/NDF : 4228991.6/62

- sign 0.375+/-0.000 χ^2/NDF : 2005002.3/31

yield_cav4bQ_mean vs Slug



Right In: 402.957 $\pm$ 0.000 χ^2 /NDF: 1096710296821.6/16

Left Out: 145.731 $\pm$ 0.000 χ^2 /NDF: 40000165.9/13

Right Out: 402.799 $\pm$ 0.000 χ^2 /NDF: 3103890772575.4/18

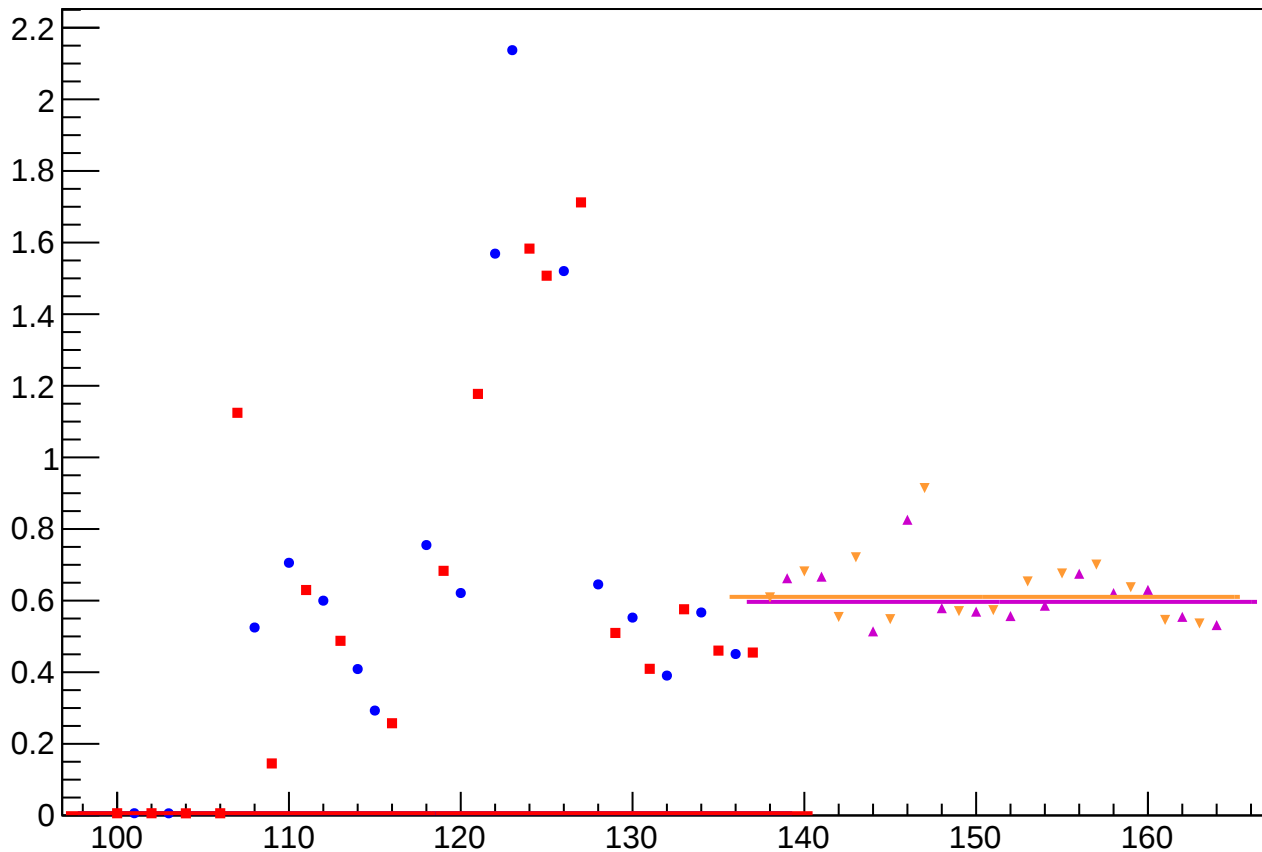
Left In: 145.314 $\pm$ 0.000 χ^2 /NDF: 129088157.7/12

+ sign 402.798 $\pm$ 0.000 χ^2 /NDF: 2374045738119.3

All: 402.721 $\pm$ 0.000 χ^2 /NDF: 680754310952

- sign 402.652 $\pm$ 0.000 χ^2 /NDF: 4433146137433.7

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.610+/-0.000 χ^2/NDF : 247826.7/13

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

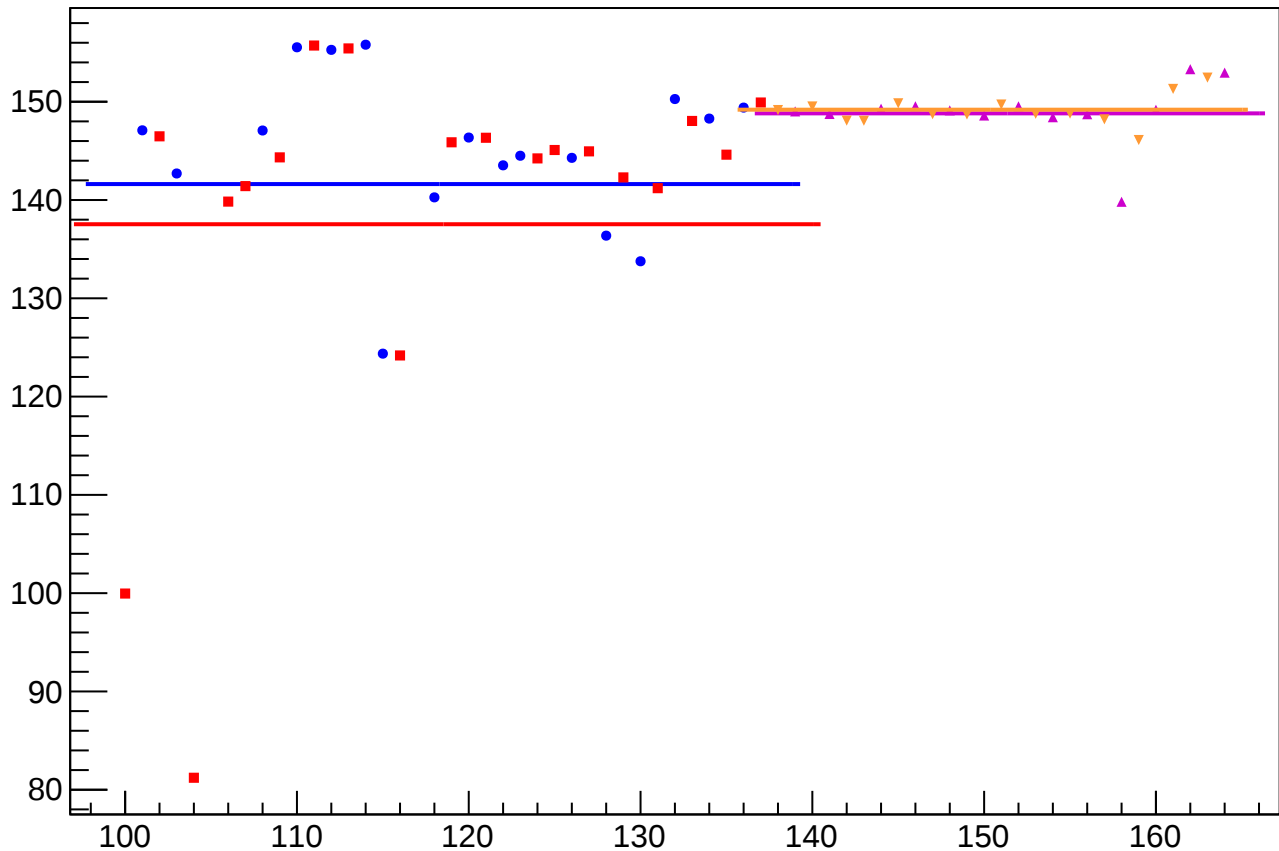
Left In: 0.596+/-0.000 χ^2/NDF : 187499.5/12

+ sign 0.007+/-0.000 χ^2/NDF : 23500628.6/30

All: 0.007+/-0.000 χ^2/NDF : 46865206.5/62

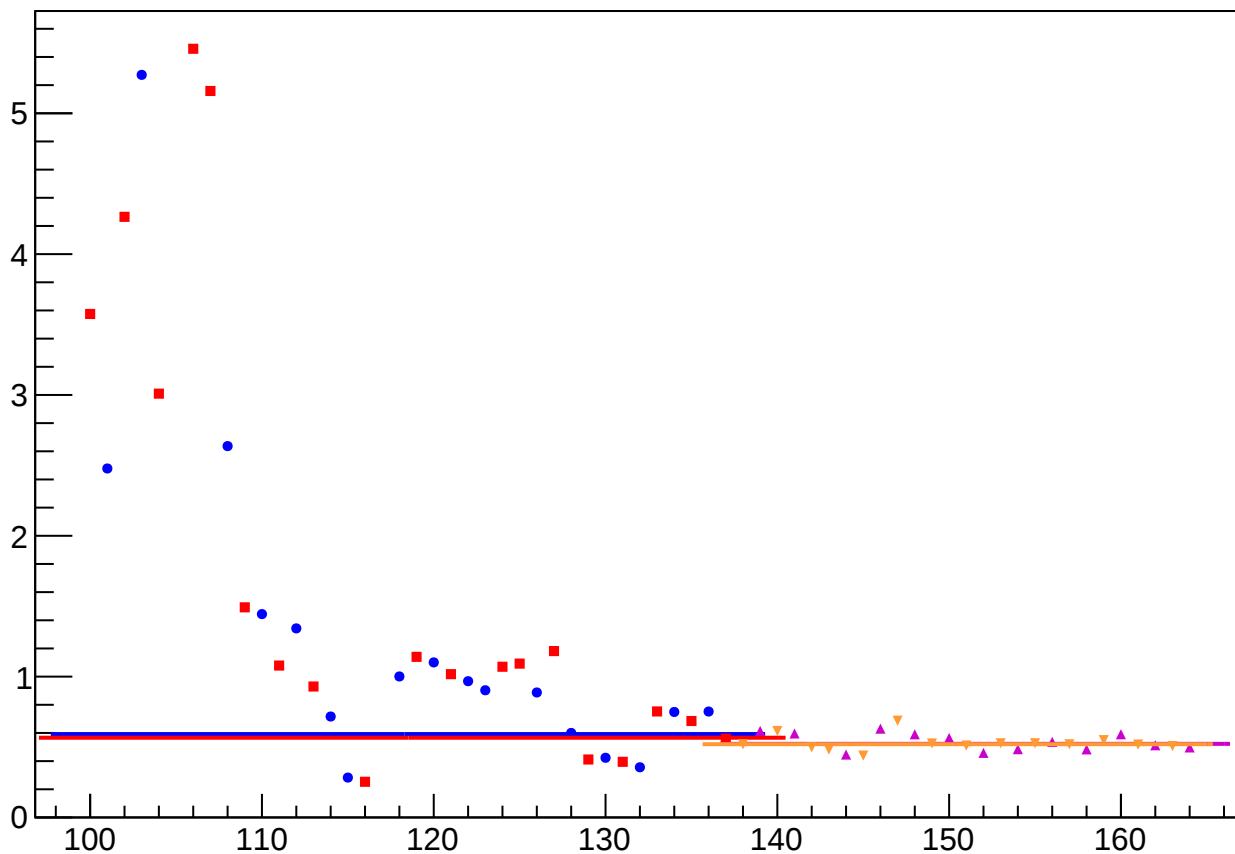
- sign 0.007+/-0.000 χ^2/NDF : 23364494.5/31

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000	χ^2 /NDF: 982037737.7/16	+ sign 147.450 $\pm$ 0.000	χ^2 /NDF: 1508558009.1/30
Left Out: 149.190 $\pm$ 0.000	χ^2 /NDF: 80176321.2/13	All: 146.765 $\pm$ 0.000	χ^2 /NDF: 4242377584.9
Right Out: 137.536 $\pm$ 0.000	χ^2 /NDF: 1315768553.6/18	- sign 146.074 $\pm$ 0.000	χ^2 /NDF: 2692325772.1/31
Left In: 148.816 $\pm$ 0.000	χ^2 /NDF: 353728346.3/12		

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.520 $\pm$ 0.000 χ^2 /NDF:169294.3/13

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4682140.9/18

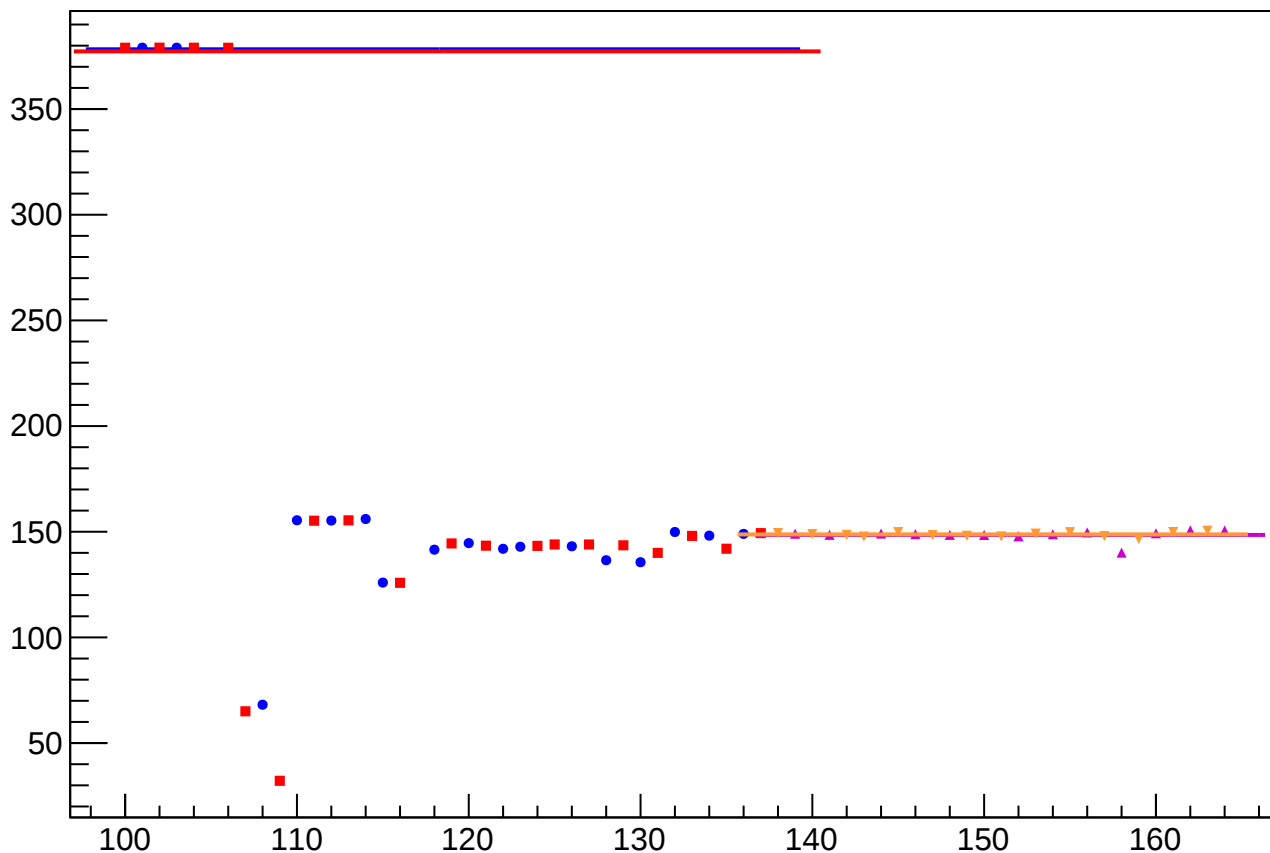
Left In: 0.523 $\pm$ 0.000 χ^2 /NDF:225165.0/12

+ sign 0.537 $\pm$ 0.000 χ^2 /NDF: 3772071.6/30

All: 0.535 $\pm$ 0.000 χ^2 /NDF: 8710466.1/62

- sign 0.533 $\pm$ 0.000 χ^2 /NDF: 4937856.9/31

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.734+/-0.000 χ^2/NDF : 51771128.0/13

Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18

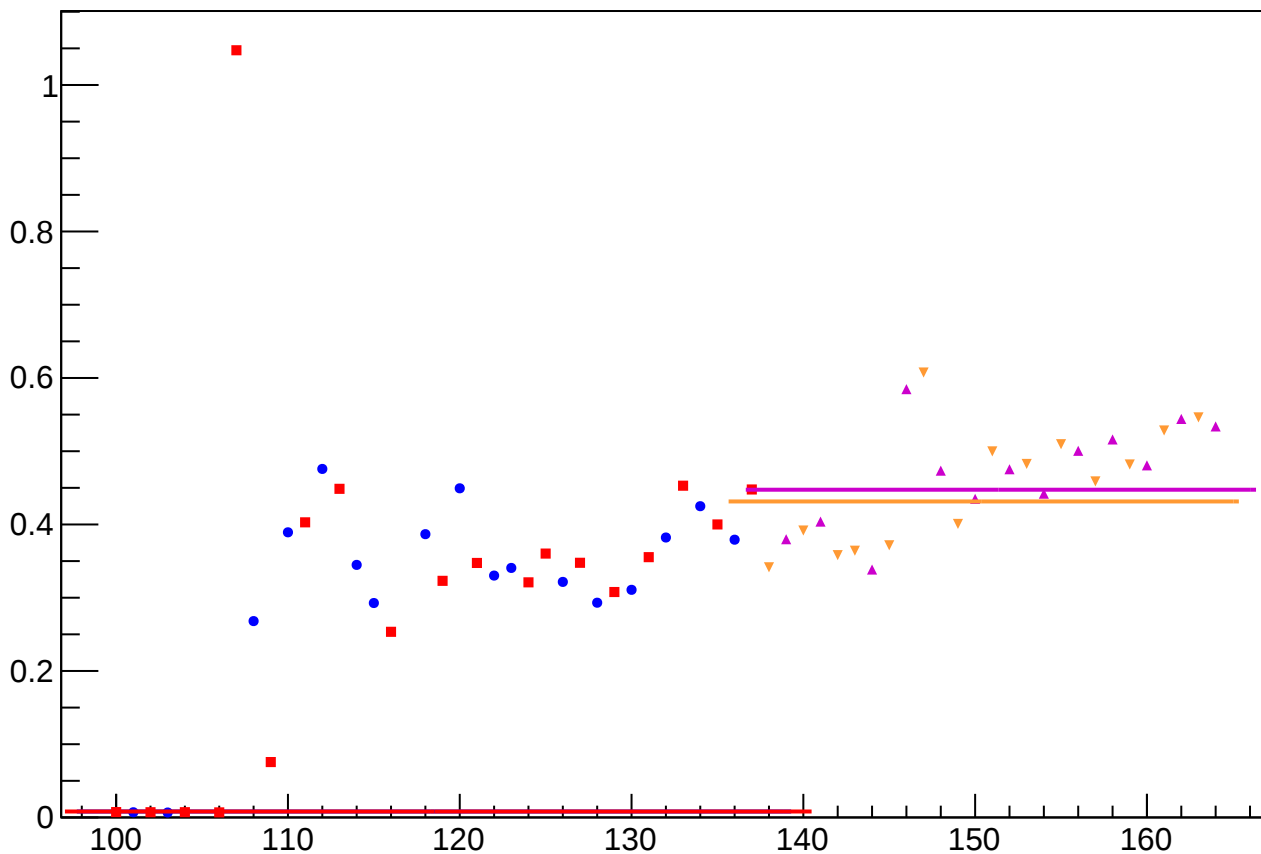
Left In: 148.494+/-0.000 χ^2/NDF : 232531525.3/12

+ sign 377.374+/-0.000 χ^2/NDF : 5286230420199.3

All: 376.940+/-0.000 χ^2/NDF : 161070962965

- sign 376.559+/-0.000 χ^2/NDF : 10816137081225.2

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.431+/-0.000 χ^2/NDF : 586286.5/13

Right Out: 0.008+/-0.000 χ^2/NDF : 9535410.6/18

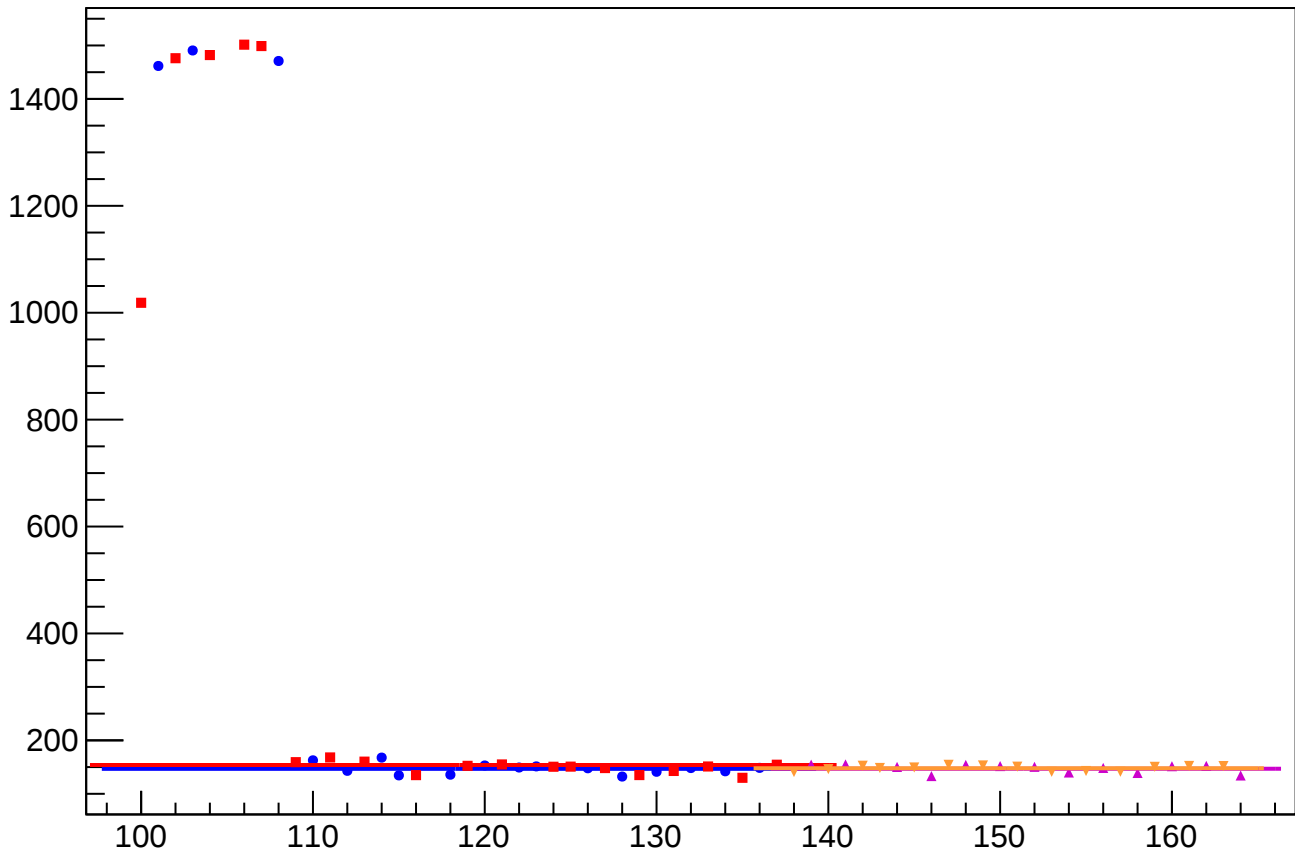
Left In: 0.447+/-0.000 χ^2/NDF : 463200.2/12

+ sign 0.010+/-0.000 χ^2/NDF : 29337970.7/30

All: 0.010+/-0.000 χ^2/NDF : 58038909.8/62

- sign 0.010+/-0.000 χ^2/NDF : 28700035.7/31

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 147.811+/-0.000 χ^2/NDF : 239107611.9/13

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

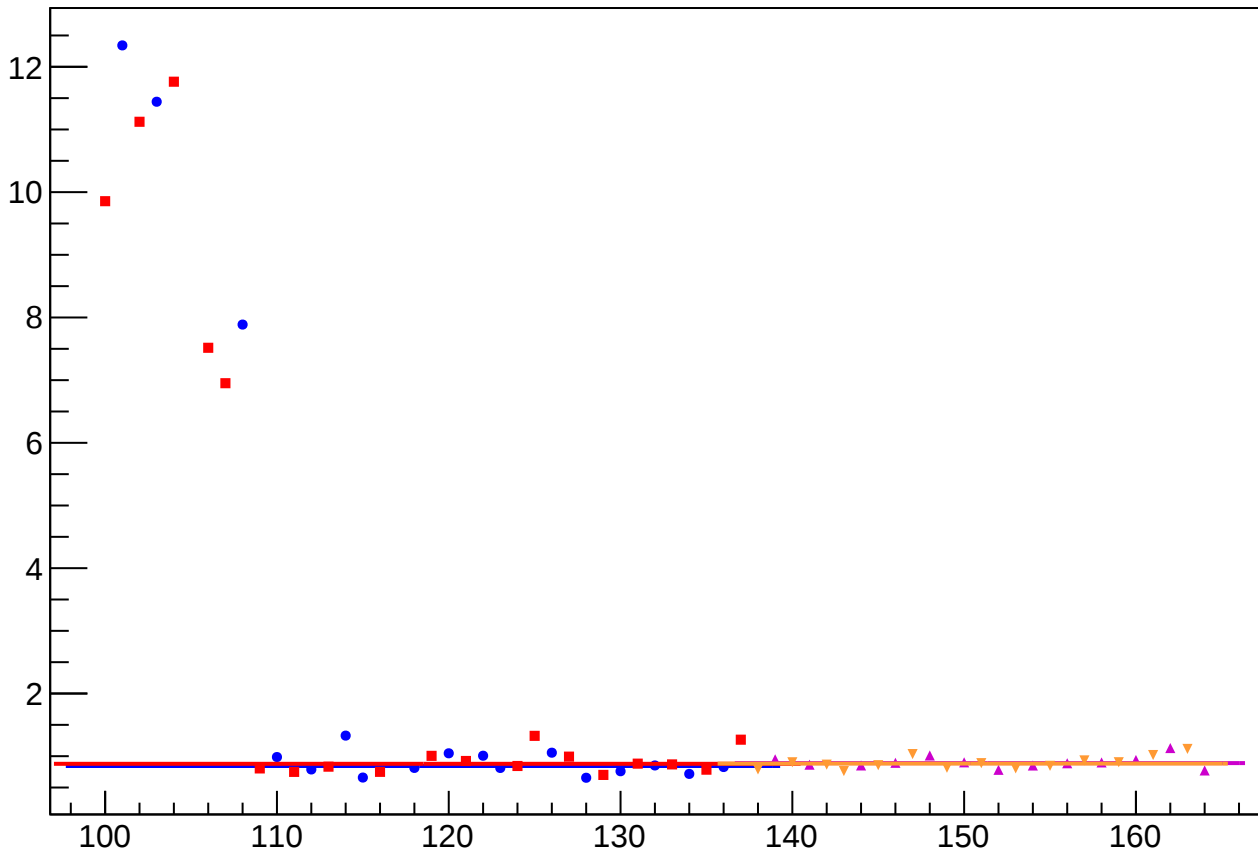
Left In: 146.887+/-0.000 χ^2/NDF : 590328939.9/12

+ sign 147.445+/-0.000 χ^2/NDF : 24594187348.0/30

All: 148.339+/-0.000 χ^2/NDF : 59120172288.0

- sign 149.245+/-0.000 χ^2/NDF : 34500367369.4/31

yield_bcm0l02_rms vs Slug



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.882+/-0.000 χ^2/NDF :174928.6/13

Right Out: 0.878+/-0.000 χ^2/NDF : 2812500.6/18

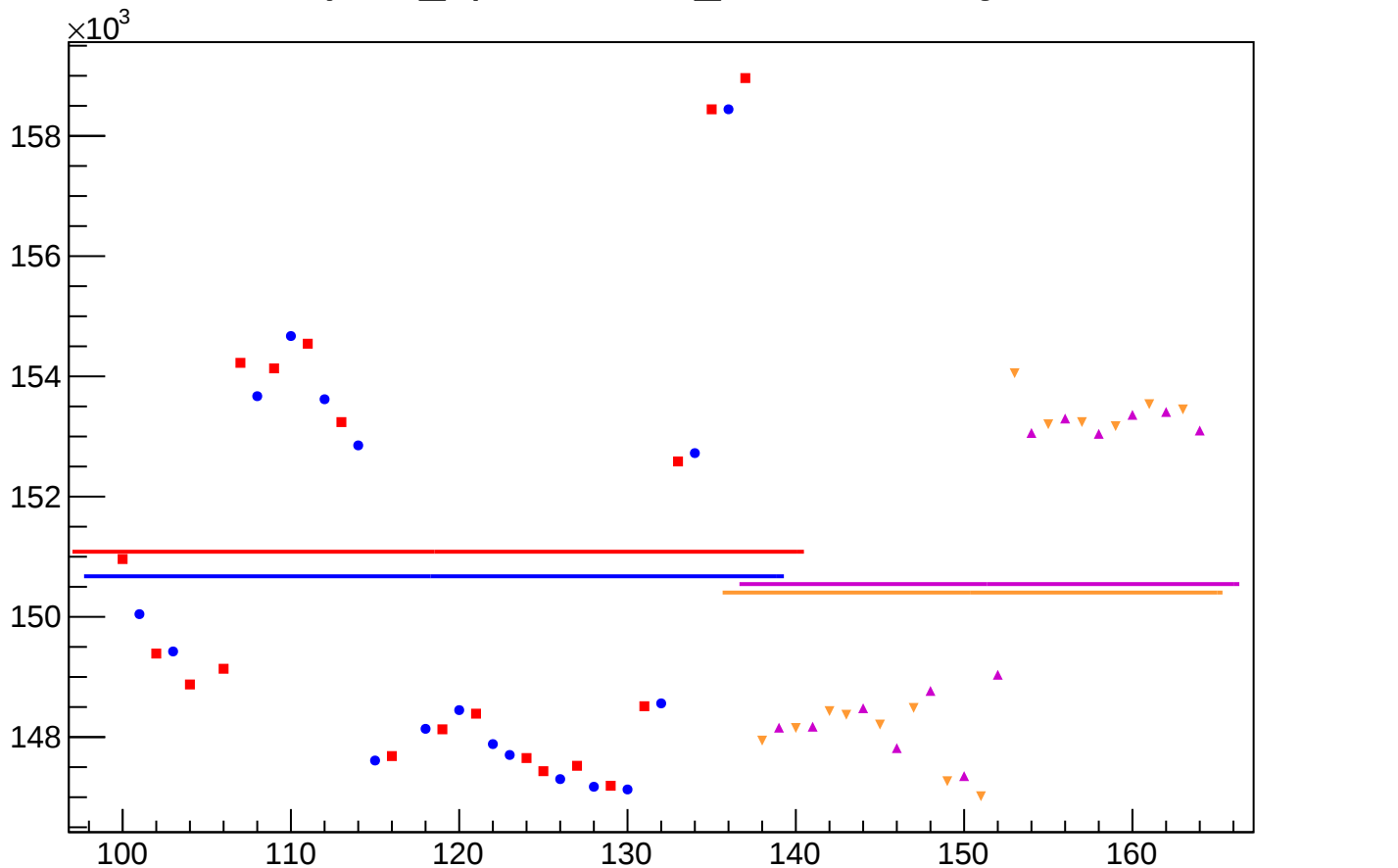
Left In: 0.890+/-0.000 χ^2/NDF :141538.3/12

+ sign 0.869+/-0.000 χ^2/NDF : 2855916.7/30

All: 0.877+/-0.000 χ^2/NDF : 5815292.4/62

- sign 0.886+/-0.000 χ^2/NDF : 2954952.0/31

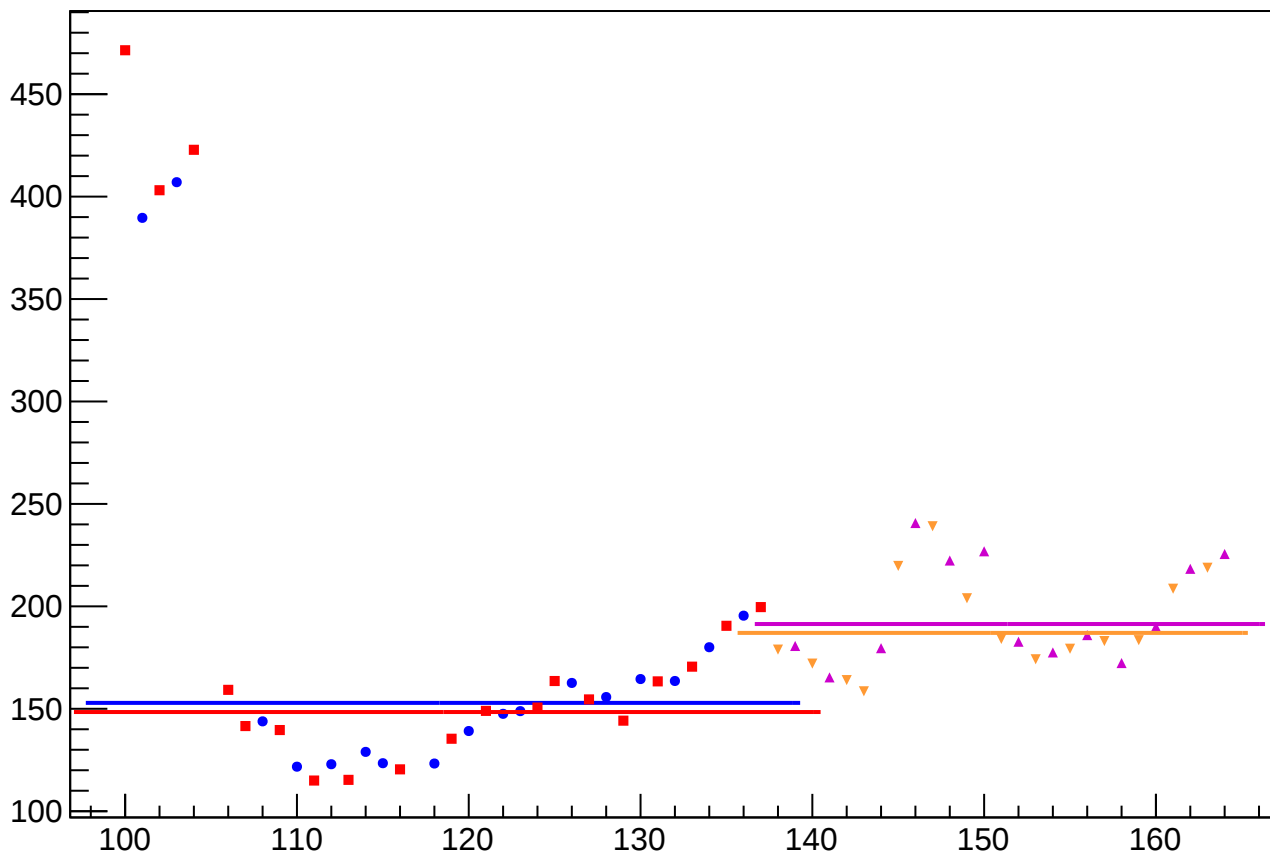
yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16
 Left Out: 150404.170 $\pm$ 0.058 χ^2 /NDF: 2249483017.7/13
 Right Out: 151083.268 $\pm$ 0.060 χ^2 /NDF: 3300830370.5/18
 Left In: 150545.229 $\pm$ 0.060 χ^2 /NDF: 1664340622.3/12

+ sign 150529.475 $\pm$ 0.043 χ^2 /NDF: 5569402796.9
 All: 150674.764 $\pm$ 0.030 χ^2 /NDF: 105975070
 - sign 150817.732 $\pm$ 0.042 χ^2 /NDF: 5005267604.5/

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 187.044 $\pm$ 0.041 χ^2 /NDF:254009.5/13

Right Out: 148.418 $\pm$ 0.042 χ^2 /NDF: 1191577.6/18

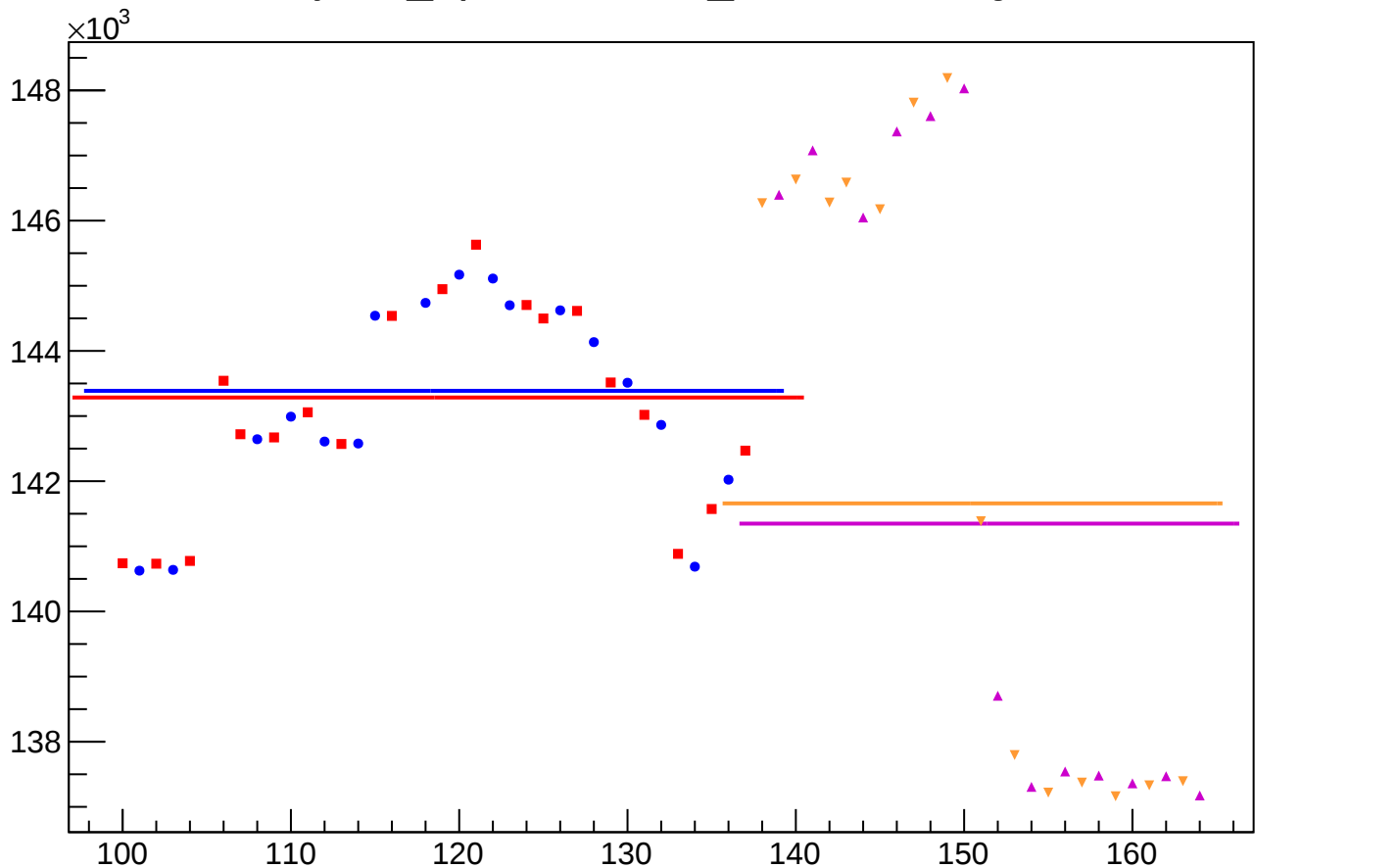
Left In: 191.375 $\pm$ 0.043 χ^2 /NDF:277394.4/12

+ sign 171.240 $\pm$ 0.030 χ^2 /NDF: 1724472.9/30

All: 170.423 $\pm$ 0.021 χ^2 /NDF: 3706079.6/62

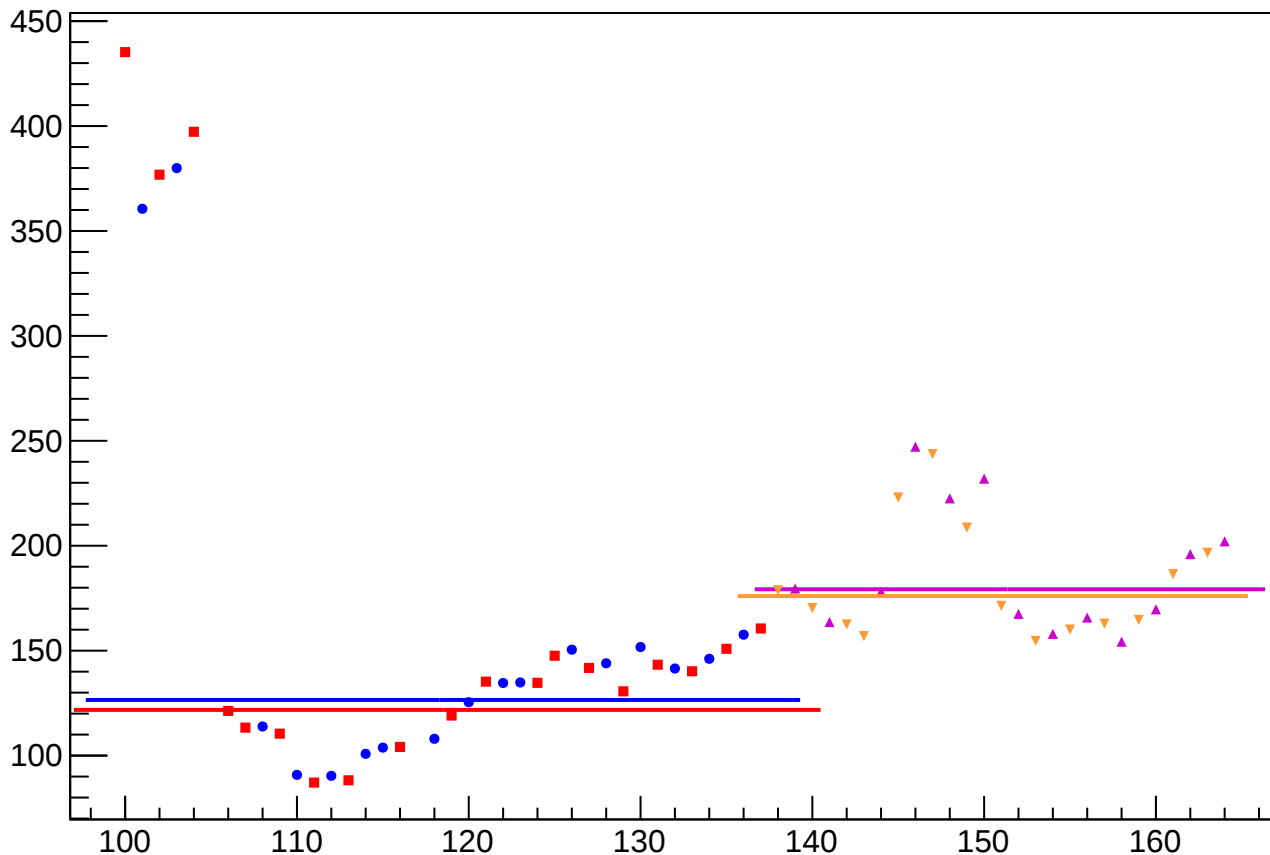
- sign 169.619 $\pm$ 0.030 χ^2 /NDF: 1980161.6/31

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099+/-0.053	χ^2/NDF : 521299875.7/16	+ sign 142561.779+/-0.038	χ^2/NDF : 7735483370.4
Left Out: 141659.035+/-0.055	χ^2/NDF : 6701124339.6/13	All: 142508.547+/-0.027	χ^2/NDF : 156031111
Right Out: 143284.757+/-0.049	χ^2/NDF : 608634820.1/18	- sign 142457.911+/-0.037	χ^2/NDF : 7863820311.6/
Left In: 141348.473+/-0.057	χ^2/NDF : 6591108635.7/12		

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 176.001 $\pm$ 0.039 χ^2 /NDF: 338766.2/13

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

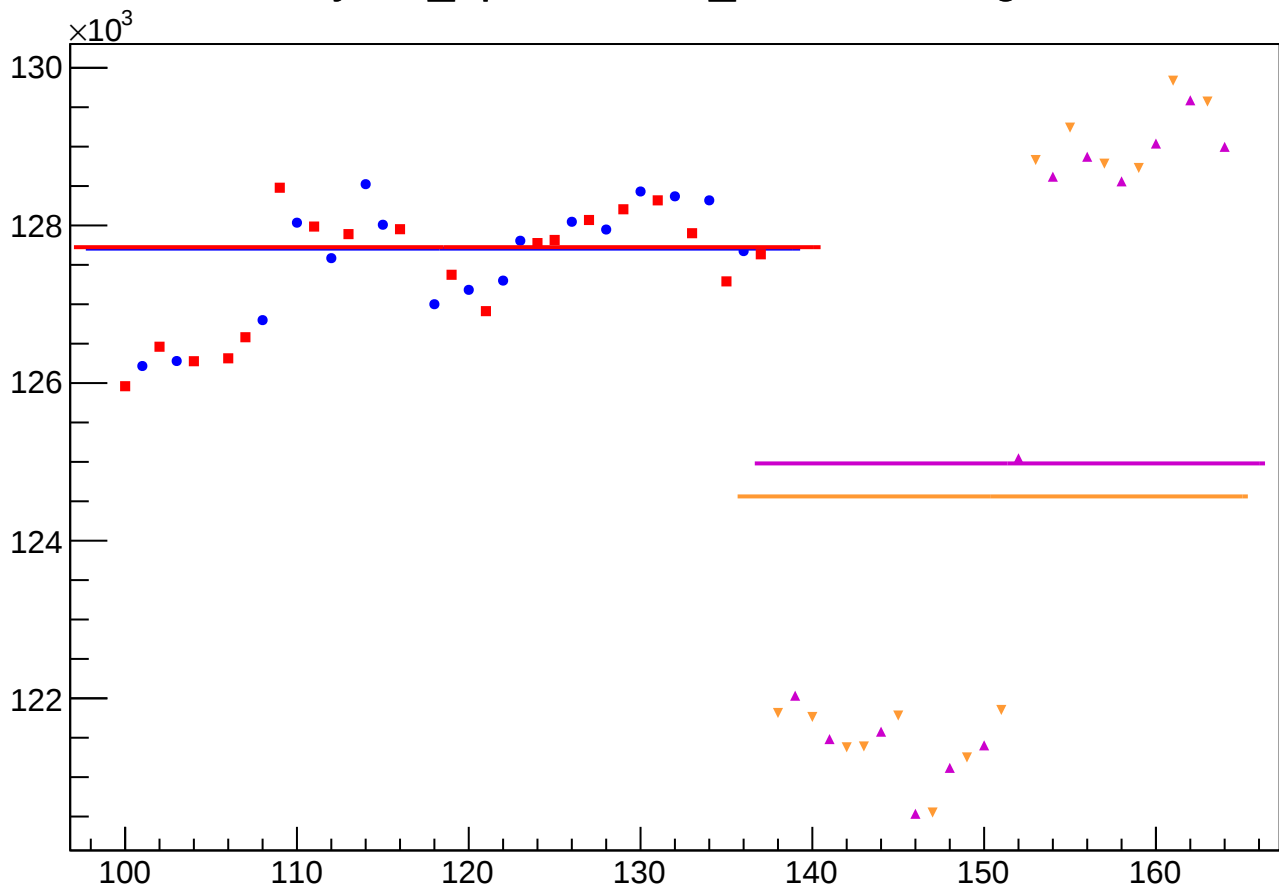
Left In: 179.264 $\pm$ 0.040 χ^2 /NDF: 403595.7/12

+ sign 150.149 $\pm$ 0.027 χ^2 /NDF: 2621977.5/30

All: 148.188 $\pm$ 0.019 χ^2 /NDF: 5670632.7/62

- sign 146.323 $\pm$ 0.026 χ^2 /NDF: 3038320.3/31

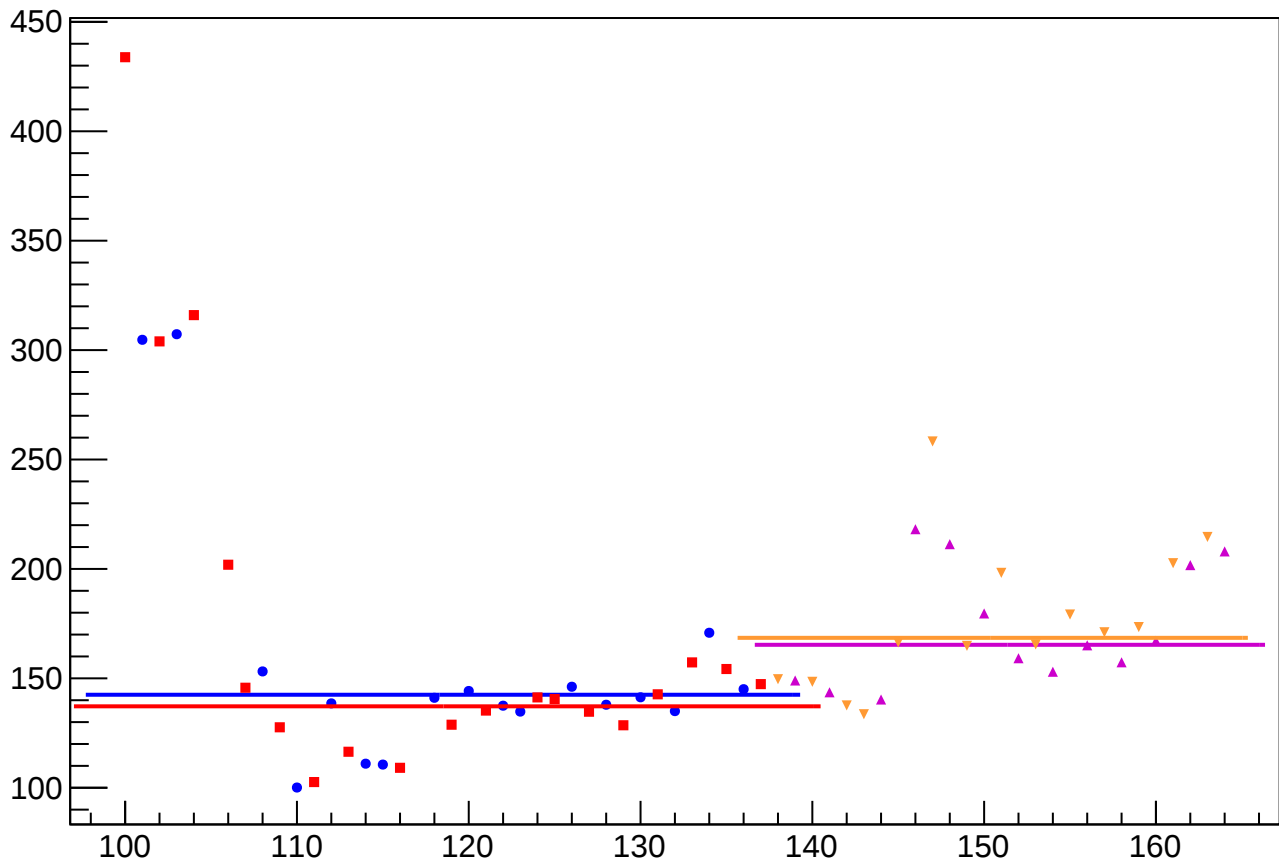
yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16
 Left Out: 124561.754 $\pm$ 0.053 χ^2 /NDF: 4834109918.7/13
 Right Out: 127724.256 $\pm$ 0.055 χ^2 /NDF: 112614317.2/18
 Left In: 124980.549 $\pm$ 0.053 χ^2 /NDF: 4533854127.2/12

+ sign 126004.611 $\pm$ 0.039 χ^2 /NDF: 6519249301.9
 All: 126161.236 $\pm$ 0.027 χ^2 /NDF: 125044015
 - sign 126306.760 $\pm$ 0.038 χ^2 /NDF: 5954556704.3/

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 168.512 $\pm$ 0.038 χ^2 /NDF: 521552.2/13

Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

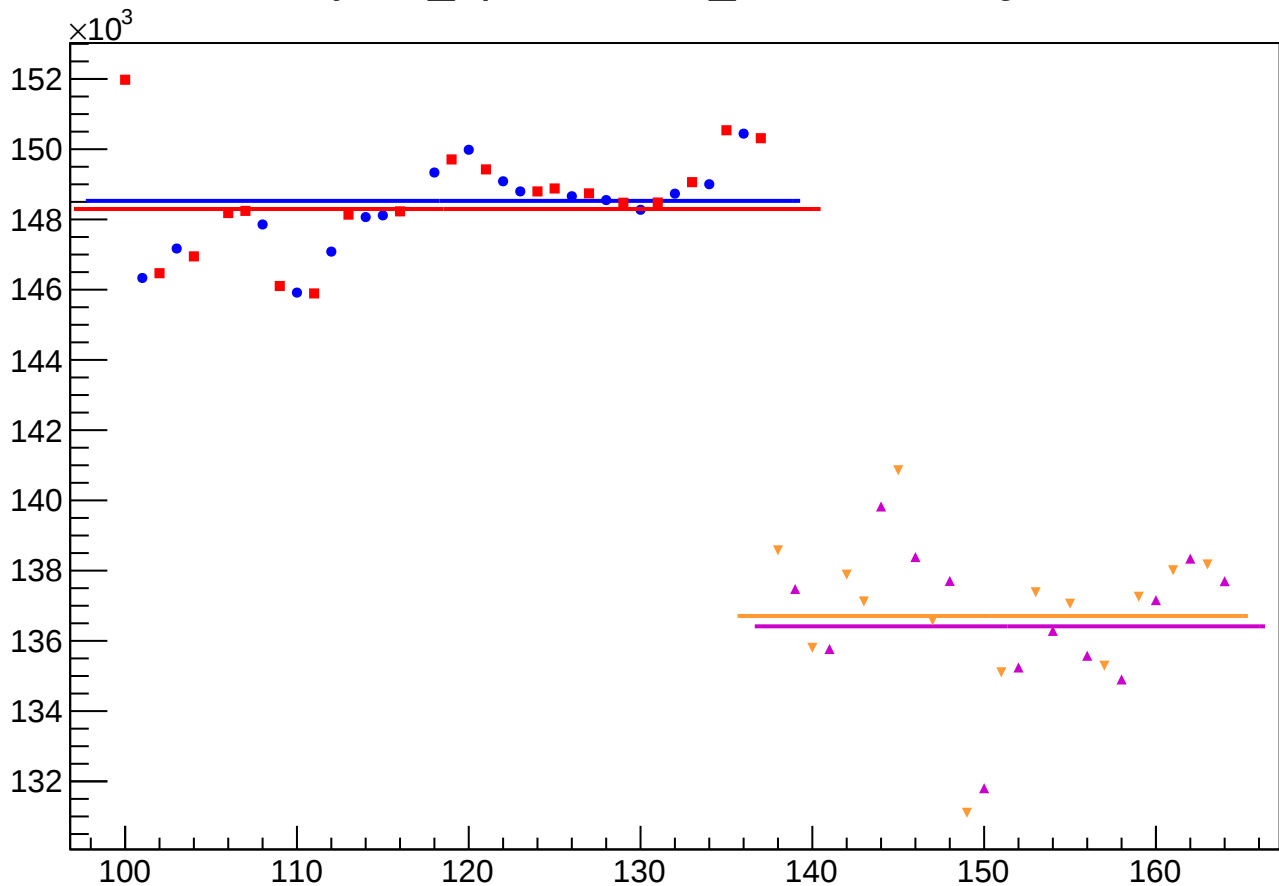
Left In: 165.325 $\pm$ 0.037 χ^2 /NDF: 397080.2/12

+ sign 156.577 $\pm$ 0.028 χ^2 /NDF: 1575030.9/30

All: 154.067 $\pm$ 0.019 χ^2 /NDF: 3219807.8/62

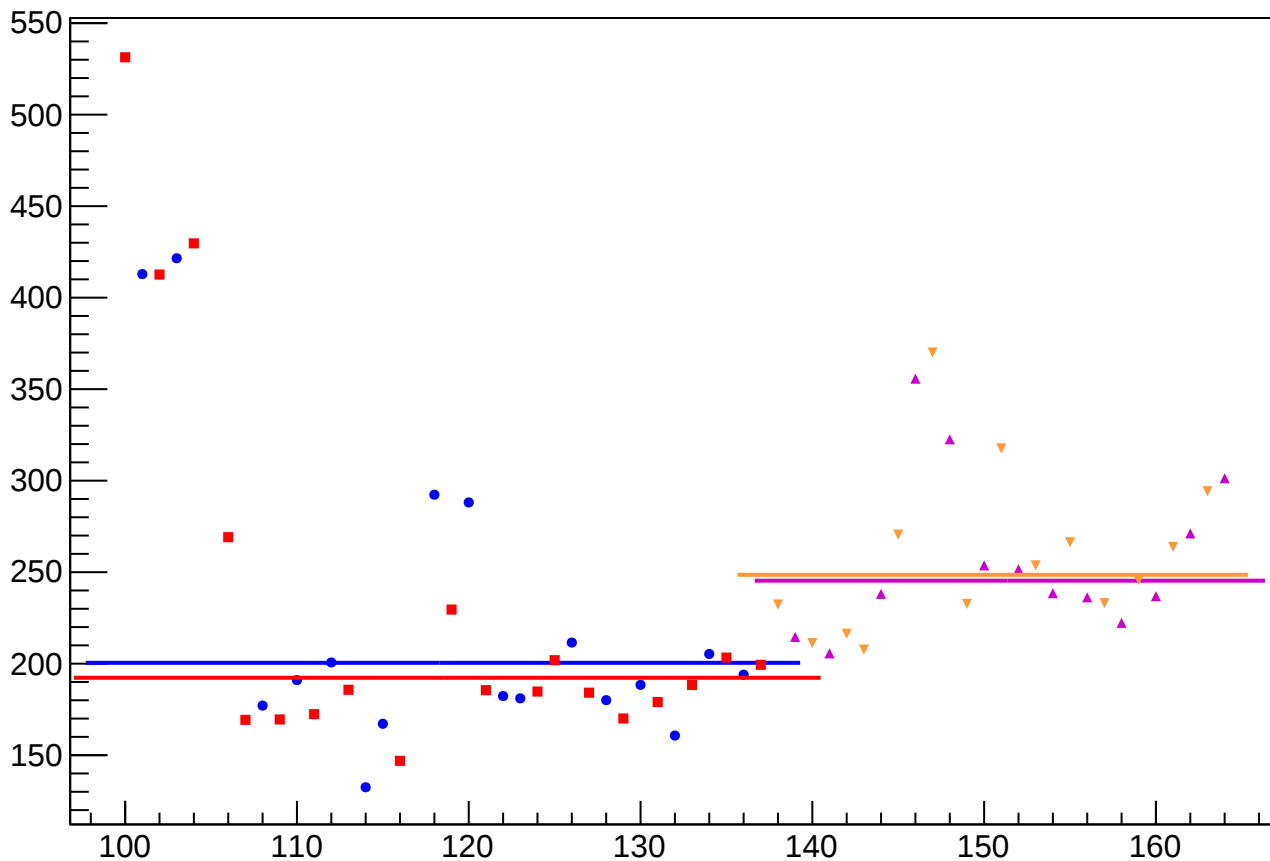
- sign 151.736 $\pm$ 0.027 χ^2 /NDF: 1629068.8/31

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082	χ^2 /NDF: 209986594.2/16	+ sign 142340.368 $\pm$ 0.057	χ^2 /NDF: 11880089151.
Left Out: 136708.274 $\pm$ 0.078	χ^2 /NDF: 809694964.0/13	All: 142410.705 $\pm$ 0.039	χ^2 /NDF: 246612974
Right Out: 148297.126 $\pm$ 0.076	χ^2 /NDF: 293244556.5/18	- sign 142475.985 $\pm$ 0.055	χ^2 /NDF: 12778235996.7
Left In: 136413.826 $\pm$ 0.078	χ^2 /NDF: 637290678.9/12		

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 ± 0.058 $\chi^2/NDF: 936547.2/16$

Left Out: 248.566 ± 0.055 $\chi^2/NDF: 436068.4/13$

Right Out: 192.304 ± 0.054 $\chi^2/NDF: 844504.1/18$

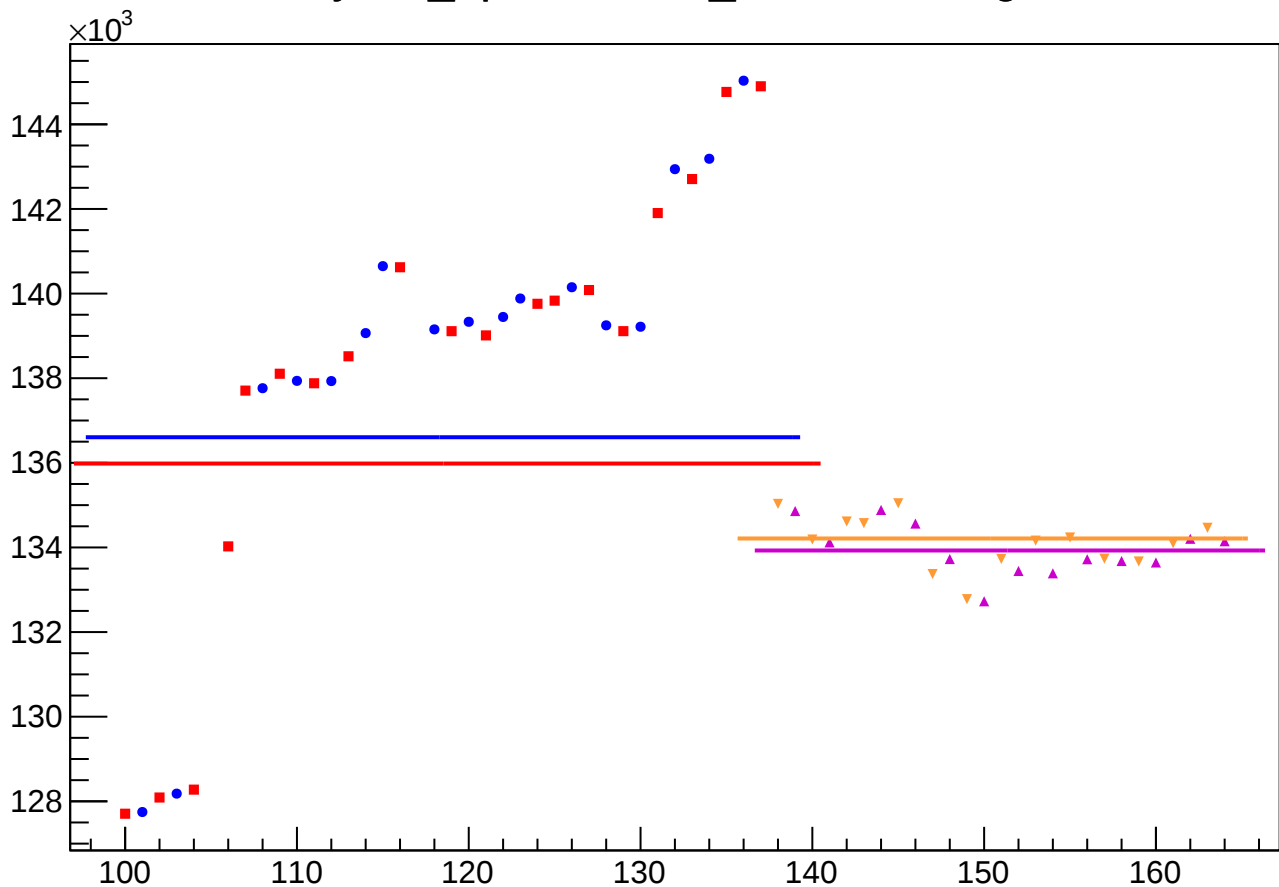
Left In: 245.343 ± 0.055 $\chi^2/NDF: 409255.9/12$

+ sign 225.651 ± 0.040 $\chi^2/NDF: 1732175.2/30$

All: 221.831 ± 0.028 $\chi^2/NDF: 3475511.8/62$

- sign 218.286 ± 0.039 $\chi^2/NDF: 1725804.7/31$

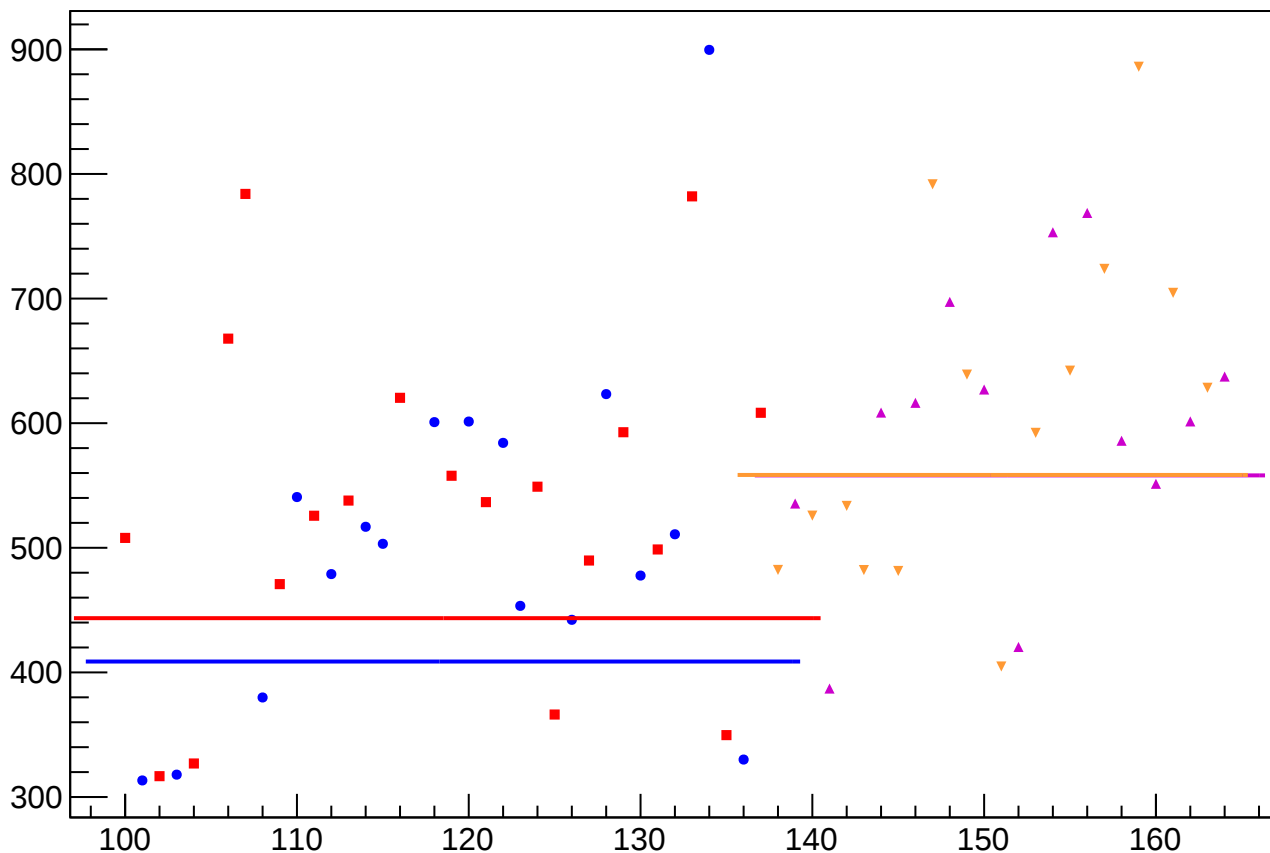
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16
 Left Out: 134211.981 $\pm$ 0.186 χ^2 /NDF: 11013199.6/13
 Right Out: 135982.842 $\pm$ 0.183 χ^2 /NDF: 1082431147.9/18
 Left In: 133928.249 $\pm$ 0.191 χ^2 /NDF: 9224011.5/12

+ sign 135502.621 $\pm$ 0.126 χ^2 /NDF: 1595079192.9
 All: 135262.456 $\pm$ 0.091 χ^2 /NDF: 275493345
 - sign 134998.990 $\pm$ 0.132 χ^2 /NDF: 1152225062.7/

yield_bpm0l03WS_rms vs Slug



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 558.458+/-0.131 χ^2/NDF : 818804.2/13

Right Out: 443.521+/-0.129 χ^2/NDF : 917492.4/18

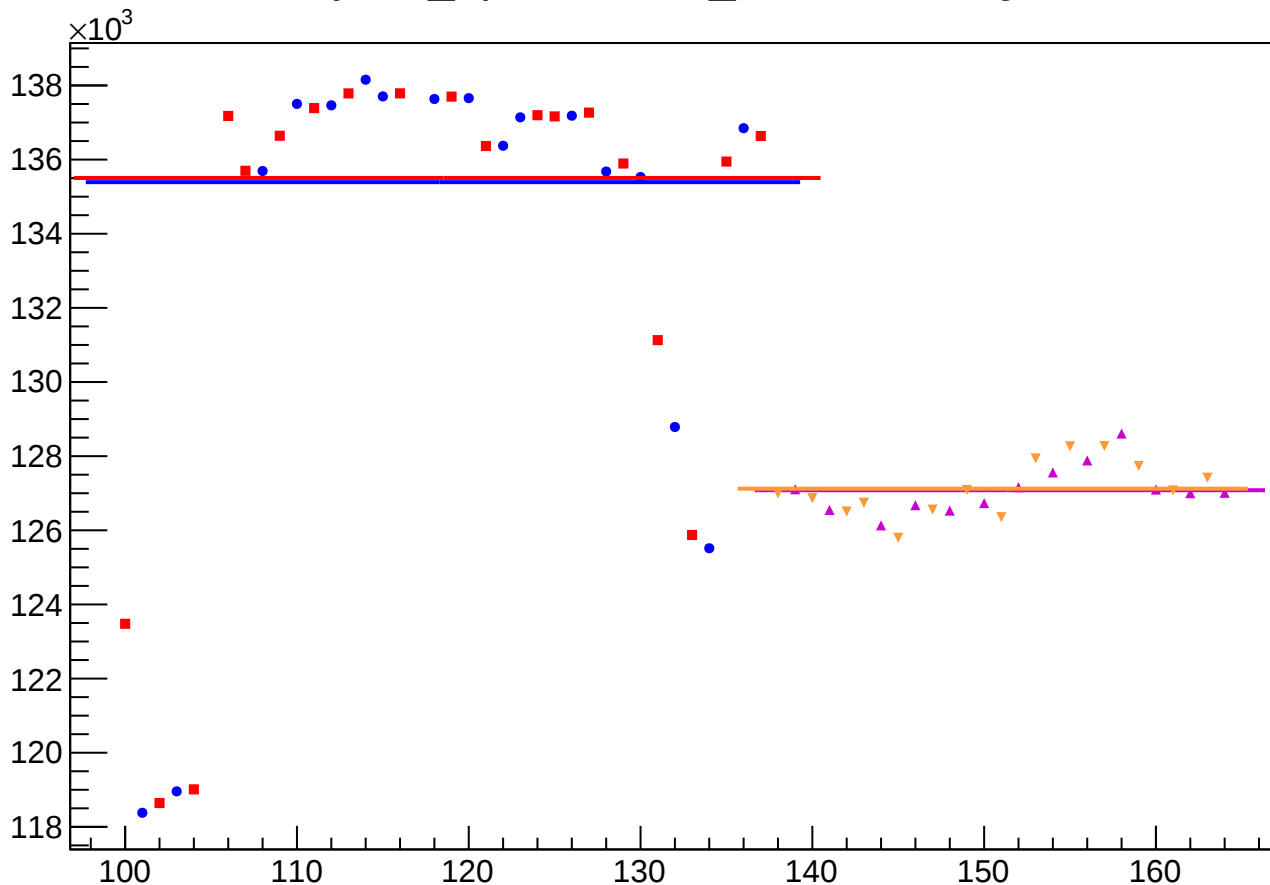
Left In: 558.103+/-0.135 χ^2/NDF : 723239.3/12

+ sign 477.691+/-0.089 χ^2/NDF : 2344695.8/30

All: 487.561+/-0.064 χ^2/NDF : 4387957.7/62

- sign 498.389+/-0.093 χ^2/NDF : 2017491.1/31

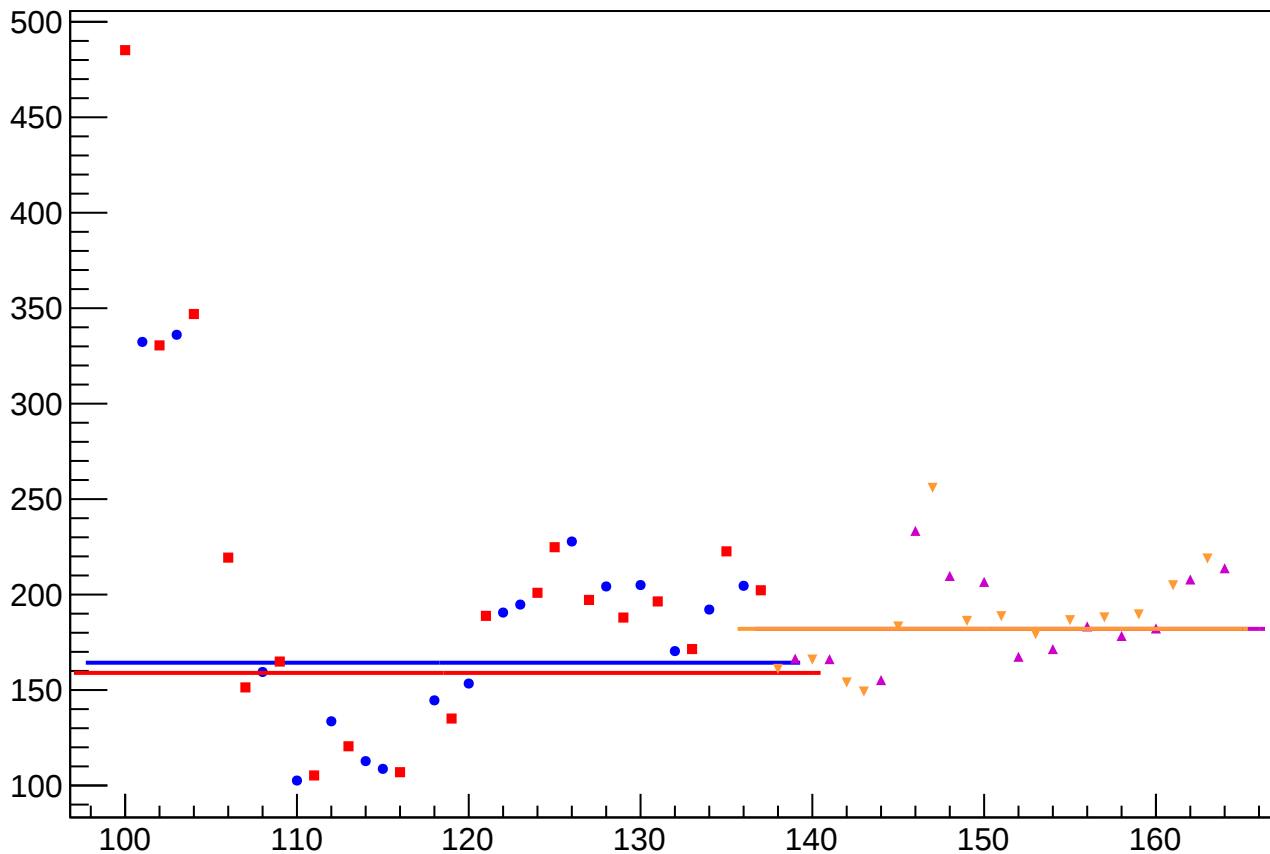
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127122.915 $\pm$ 0.057 χ^2 /NDF: 152251600.3/13
 Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18
 Left In: 127081.271 $\pm$ 0.058 χ^2 /NDF: 131543164.3/12

+ sign 130533.183 $\pm$ 0.044 χ^2 /NDF: 13352729719.0
 All: 130685.643 $\pm$ 0.031 χ^2 /NDF: 277319228.0
 - sign 130832.096 $\pm$ 0.043 χ^2 /NDF: 14355481645.3

yield_bpm0l04WS_rms vs Slug



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 182.051+/-0.040 χ^2/NDF : 328305.6/13

Right Out: 158.977+/-0.046 χ^2/NDF : 1384059.2/18

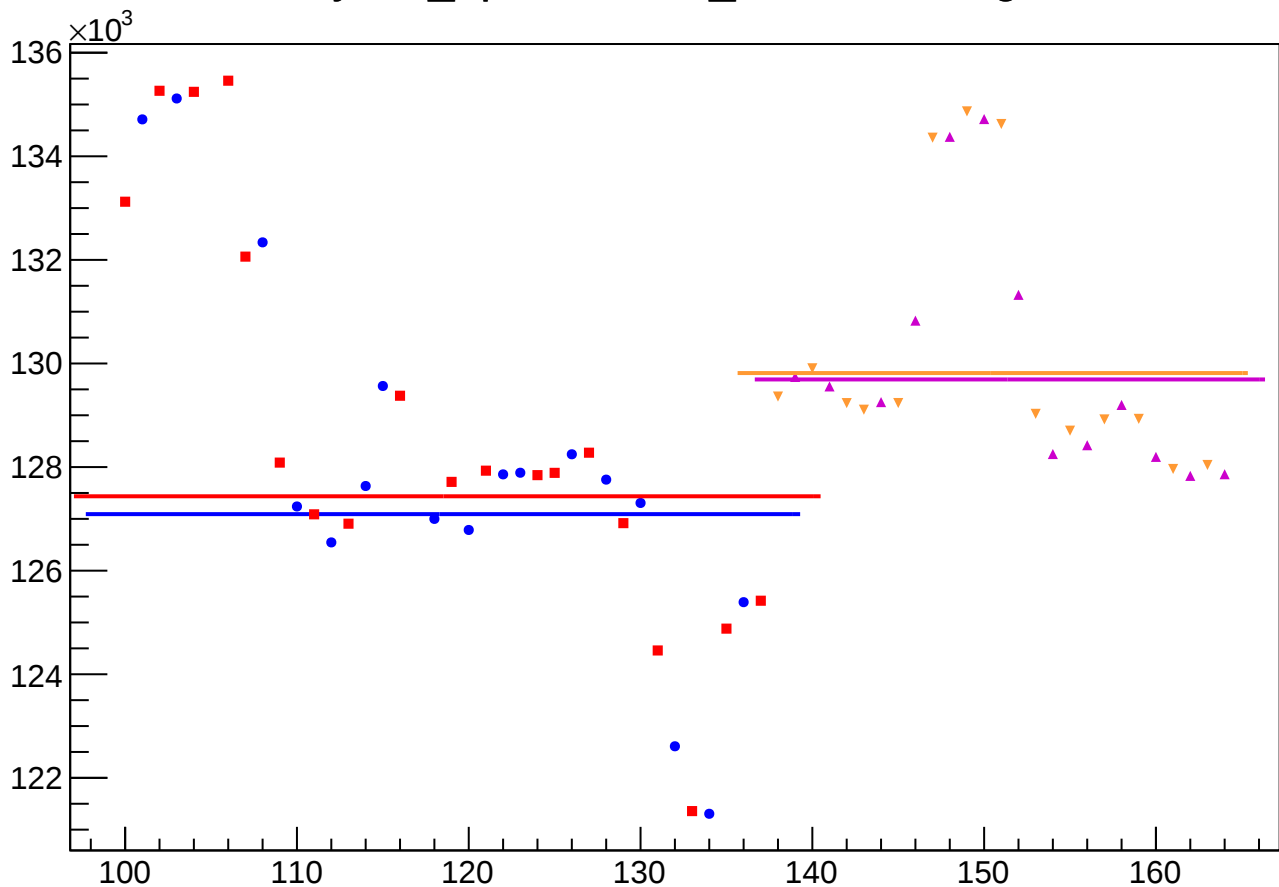
Left In: 182.034+/-0.041 χ^2/NDF : 272844.6/12

+ sign 174.735+/-0.031 χ^2/NDF : 1638155.3/30

All: 173.221+/-0.022 χ^2/NDF : 3441974.3/62

- sign 171.767+/-0.030 χ^2/NDF : 1799145.3/31

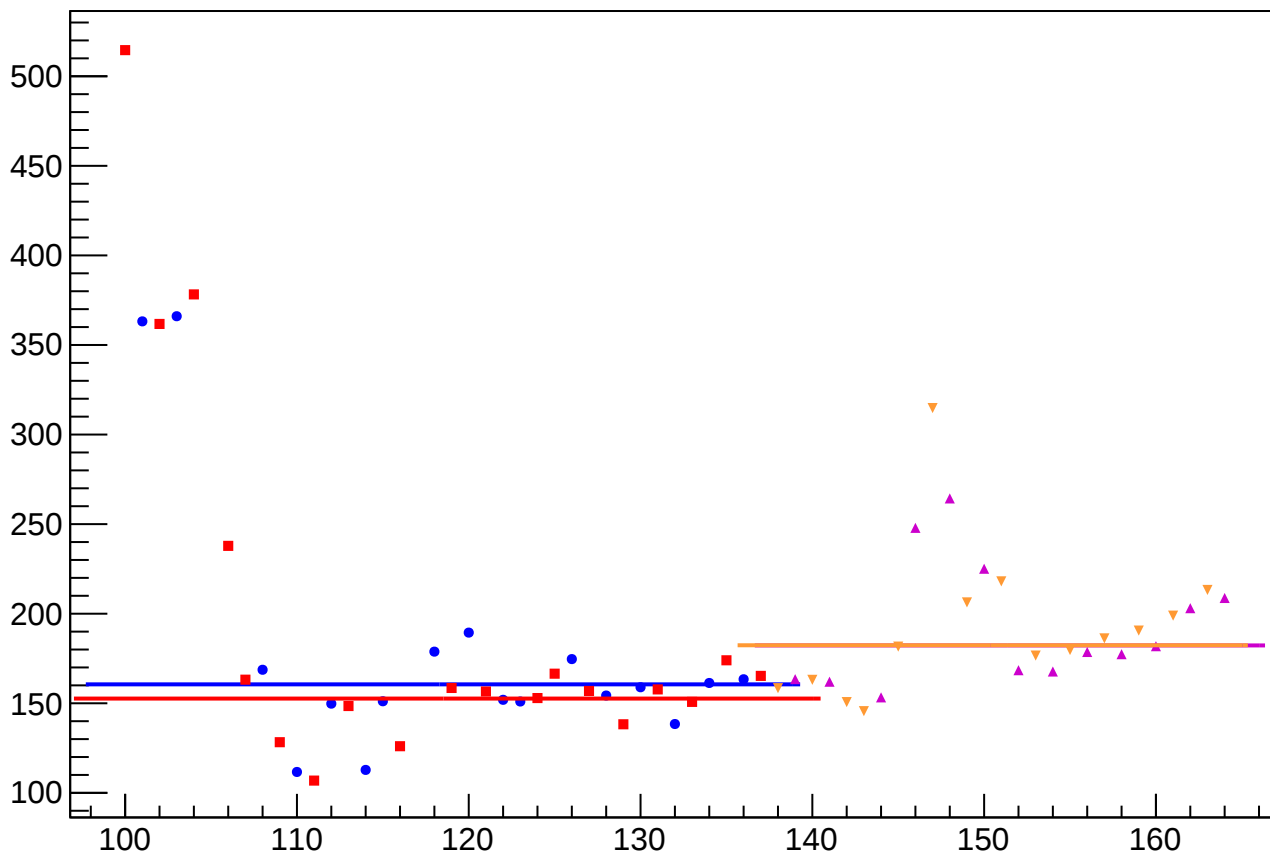
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$
 Left Out: 129815.123 ± 0.058 $\chi^2/\text{NDF}: 1240559721.6/13$
 Right Out: 127436.101 ± 0.062 $\chi^2/\text{NDF}: 2079075713.9/18$
 Left In: 129691.647 ± 0.058 $\chi^2/\text{NDF}: 1034098478.7/12$

+ sign 128639.547 ± 0.044 $\chi^2/\text{NDF}: 3916855761.3$
 All: 128633.765 ± 0.030 $\chi^2/\text{NDF}: 774001235$
 - sign 128628.324 ± 0.042 $\chi^2/\text{NDF}: 3823122389.0$

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 ± 0.047 χ^2/NDF : 942747.0/16

Left Out: 182.382 ± 0.041 χ^2/NDF : 556200.2/13

Right Out: 152.629 ± 0.044 χ^2/NDF : 1086504.4/18

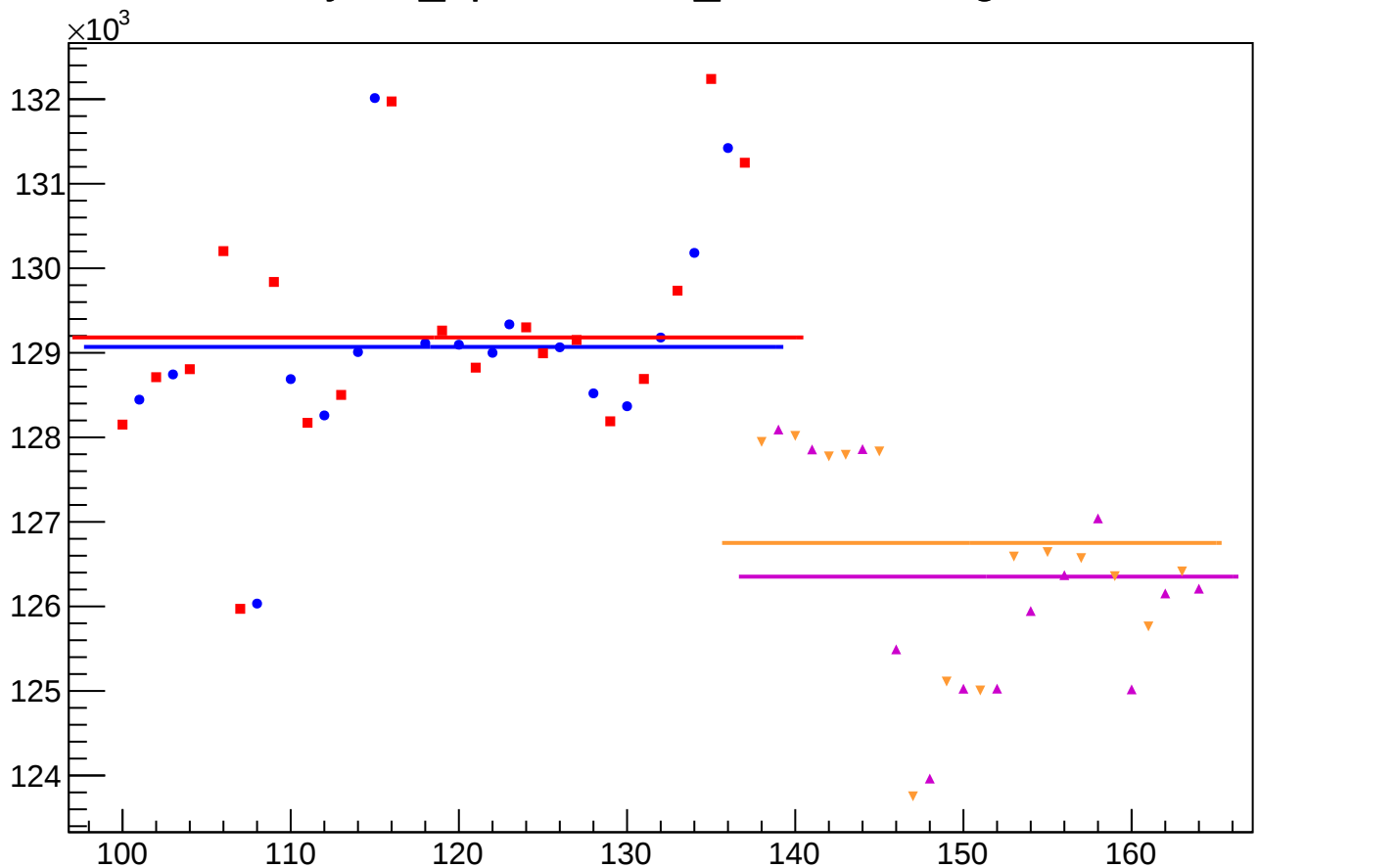
Left In: 182.290 ± 0.041 χ^2/NDF : 484962.3/12

+ sign 172.965 ± 0.031 χ^2/NDF : 1622036.5/30

All: 170.565 ± 0.021 χ^2/NDF : 3450837.1/62

- sign 168.307 ± 0.030 χ^2/NDF : 1817020.0/31

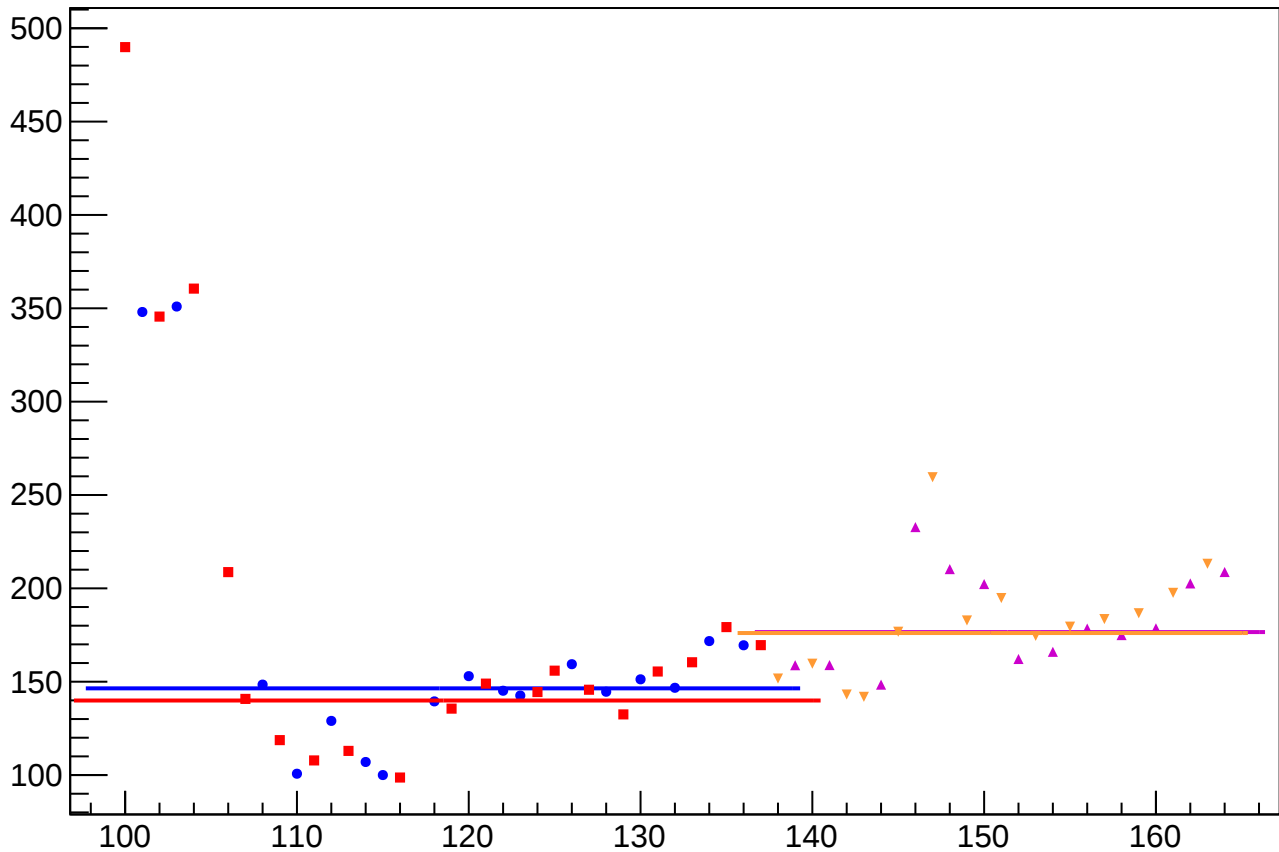
yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$
 Left Out: 126751.234 ± 0.055 $\chi^2/\text{NDF}: 434242199.3/13$
 Right Out: 129181.887 ± 0.056 $\chi^2/\text{NDF}: 625597399.6/18$
 Left In: 126352.221 ± 0.056 $\chi^2/\text{NDF}: 507472410.8/12$

+ sign 127815.975 ± 0.041 $\chi^2/\text{NDF}: 1713767198.0/14$
 - sign 127765.484 ± 0.040 $\chi^2/\text{NDF}: 2406951086.5/14$
 All: 127790.017 ± 0.028 $\chi^2/\text{NDF}: 412150655.0/28$

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 176.073 $\pm$ 0.039 χ^2 /NDF: 421843.6/13

Right Out: 139.929 $\pm$ 0.040 χ^2 /NDF: 1203570.9/18

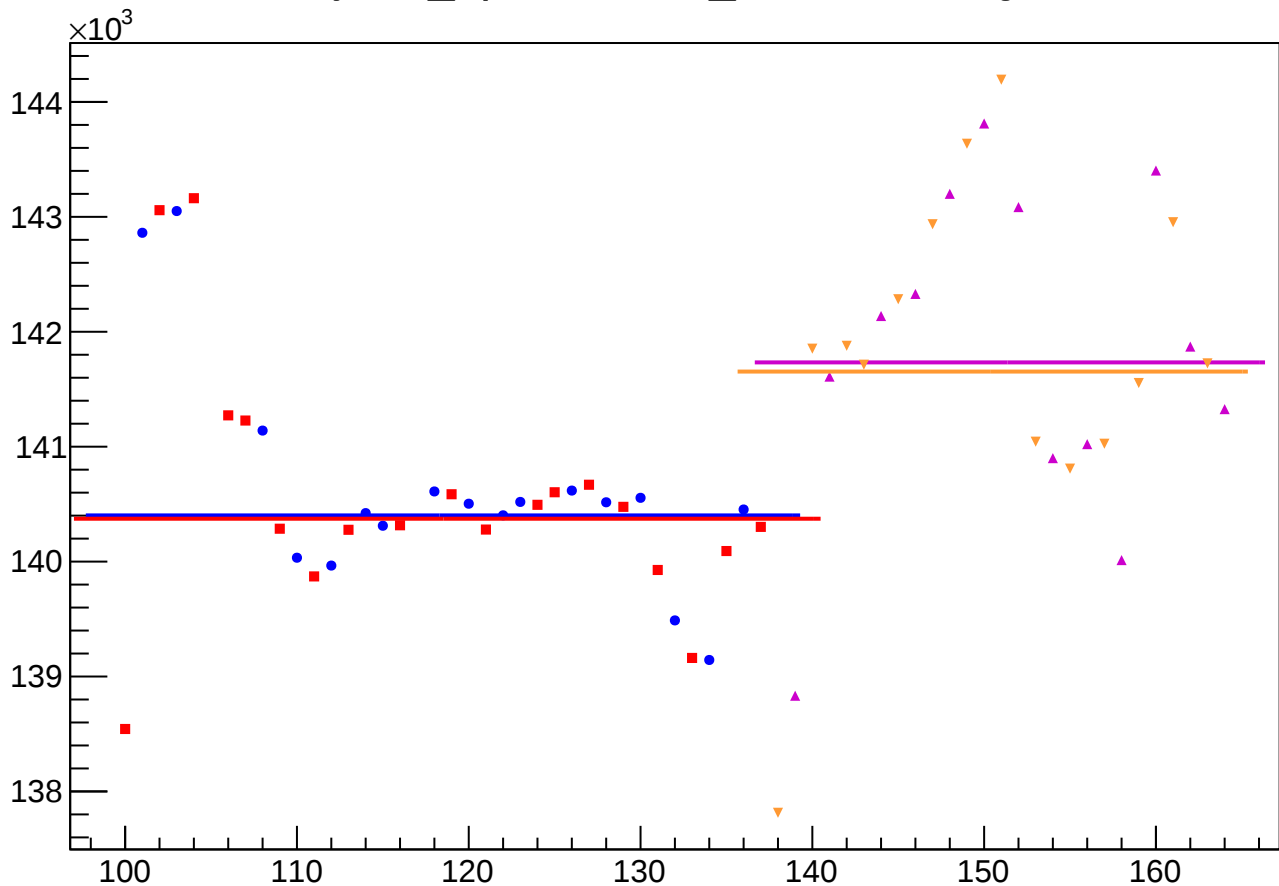
Left In: 176.583 $\pm$ 0.040 χ^2 /NDF: 329813.3/12

+ sign 162.463 $\pm$ 0.029 χ^2 /NDF: 1748995.4/30

All: 160.310 $\pm$ 0.020 χ^2 /NDF: 3720706.0/62

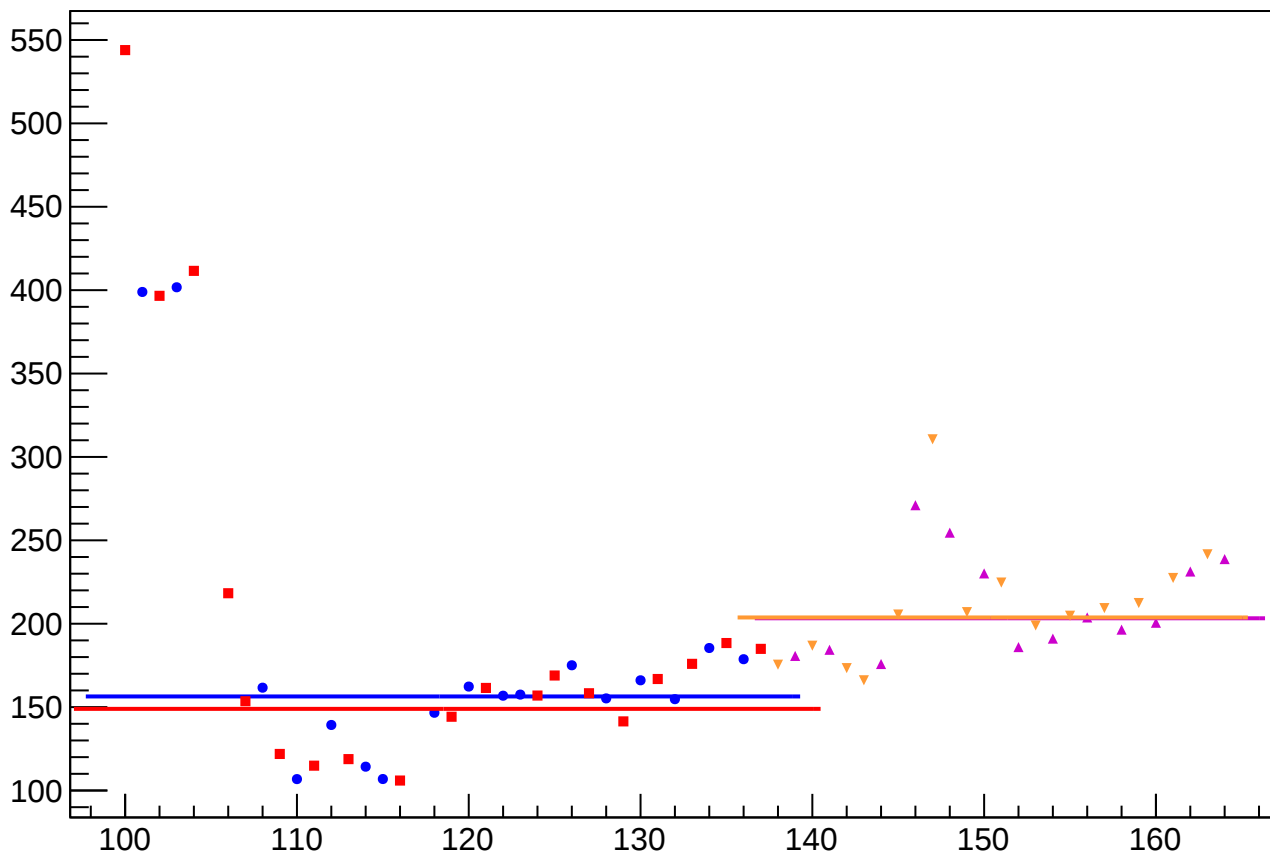
- sign 158.276 $\pm$ 0.028 χ^2 /NDF: 1960870.4/31

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064	χ^2 /NDF: 88071774.7/16	+ sign 141028.678 $\pm$ 0.045	χ^2 /NDF: 861392920.9/3
Left Out: 141653.686 $\pm$ 0.064	χ^2 /NDF: 583885182.8/13	All: 141014.789 $\pm$ 0.032	χ^2 /NDF: 166453184
Right Out: 140373.163 $\pm$ 0.060	χ^2 /NDF: 99854533.3/18	- sign 141001.847 $\pm$ 0.044	χ^2 /NDF: 802958690.6/3
Left In: 141733.490 $\pm$ 0.065	χ^2 /NDF: 464359024.8/12		

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 $\pm$ 0.046 χ^2 /NDF: 1154804.2/16

Left Out: 203.753 $\pm$ 0.045 χ^2 /NDF: 396636.6/13

Right Out: 148.949 $\pm$ 0.042 χ^2 /NDF: 1307651.5/18

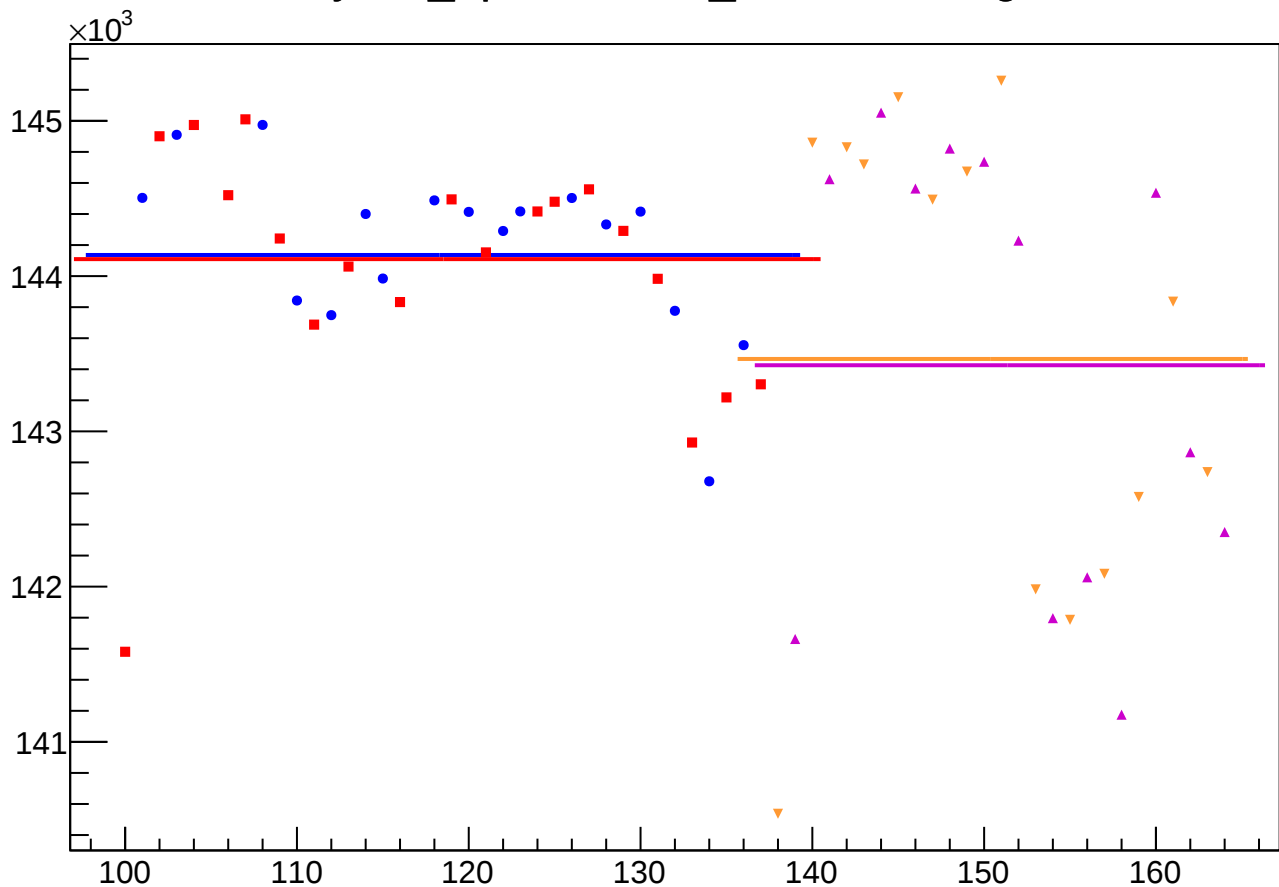
Left In: 203.260 $\pm$ 0.046 χ^2 /NDF: 334411.8/12

+ sign 180.105 $\pm$ 0.032 χ^2 /NDF: 2093841.8/30

All: 176.970 $\pm$ 0.022 χ^2 /NDF: 4515380.4/62

- sign 174.049 $\pm$ 0.031 χ^2 /NDF: 2403178.6/31

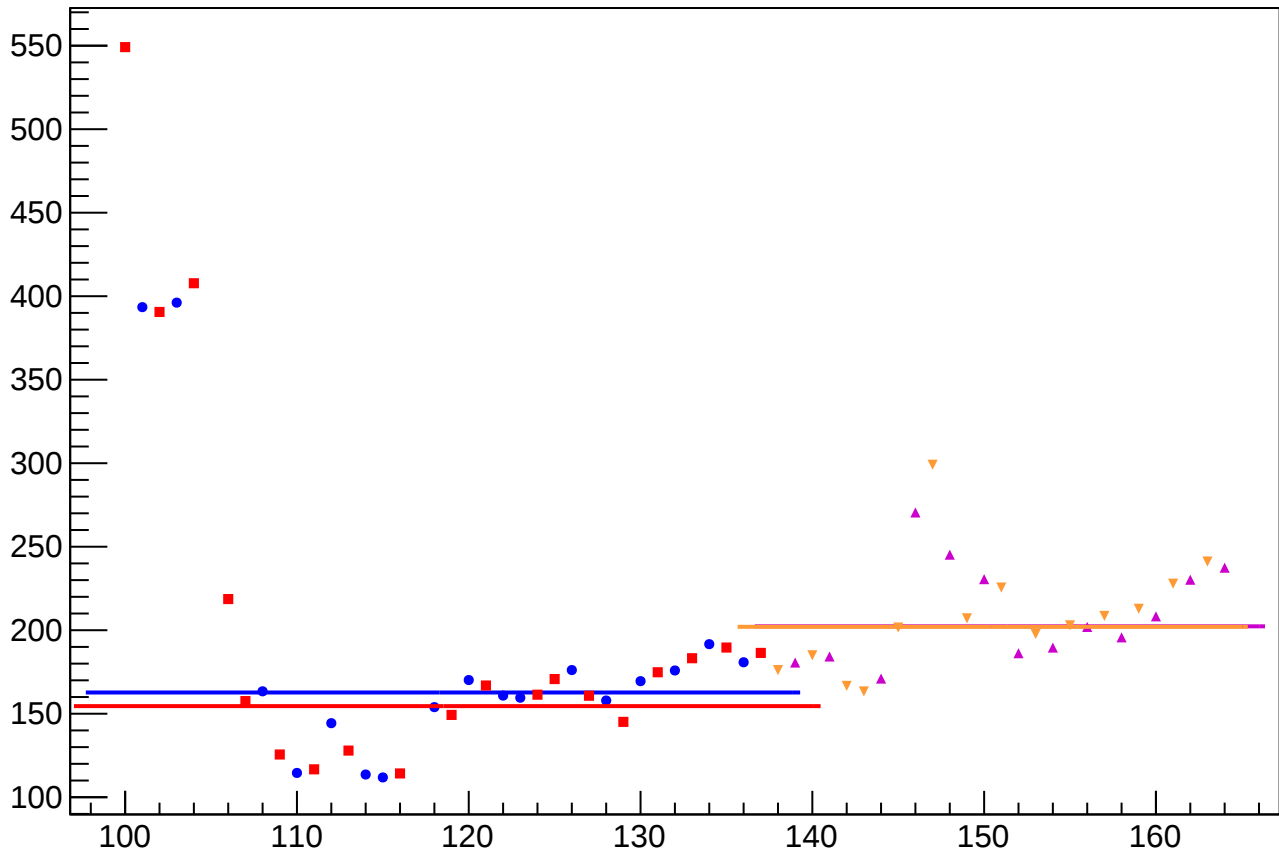
yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16
 Left Out: 143466.389 $\pm$ 0.064 χ^2 /NDF: 592551660.0/13
 Right Out: 144109.419 $\pm$ 0.062 χ^2 /NDF: 65258627.2/18
 Left In: 143425.915 $\pm$ 0.064 χ^2 /NDF: 498753128.3/12

+ sign 143785.400 $\pm$ 0.046 χ^2 /NDF: 692307935.2/3
 All: 143783.022 $\pm$ 0.032 χ^2 /NDF: 131500677
 - sign 143780.796 $\pm$ 0.045 χ^2 /NDF: 622693683.1/3

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 202.042 $\pm$ 0.045 χ^2 /NDF: 400423.8/13

Right Out: 154.547 $\pm$ 0.044 χ^2 /NDF: 1217495.9/18

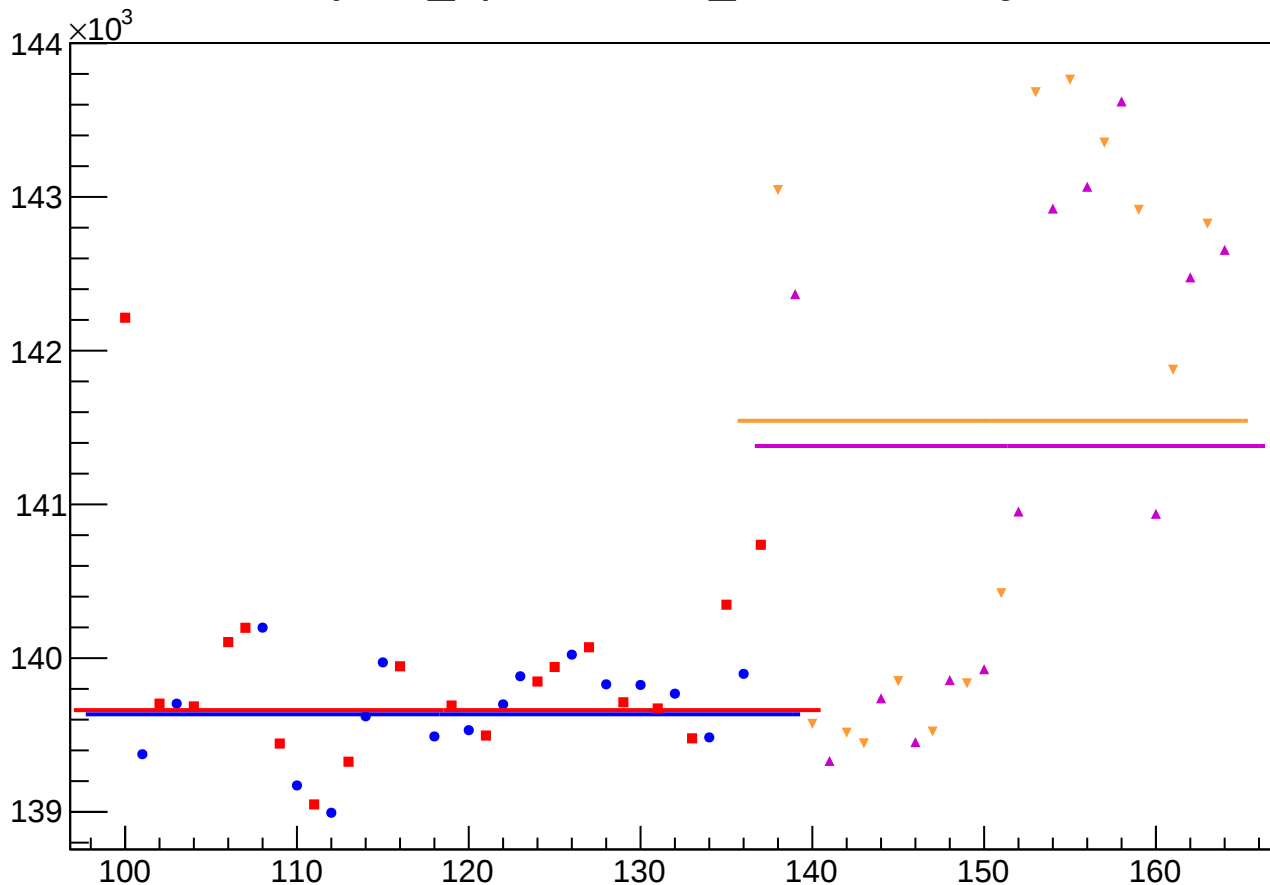
Left In: 202.332 $\pm$ 0.045 χ^2 /NDF: 334086.3/12

+ sign 183.309 $\pm$ 0.033 χ^2 /NDF: 1830262.8/30

All: 180.319 $\pm$ 0.023 χ^2 /NDF: 3971772.3/62

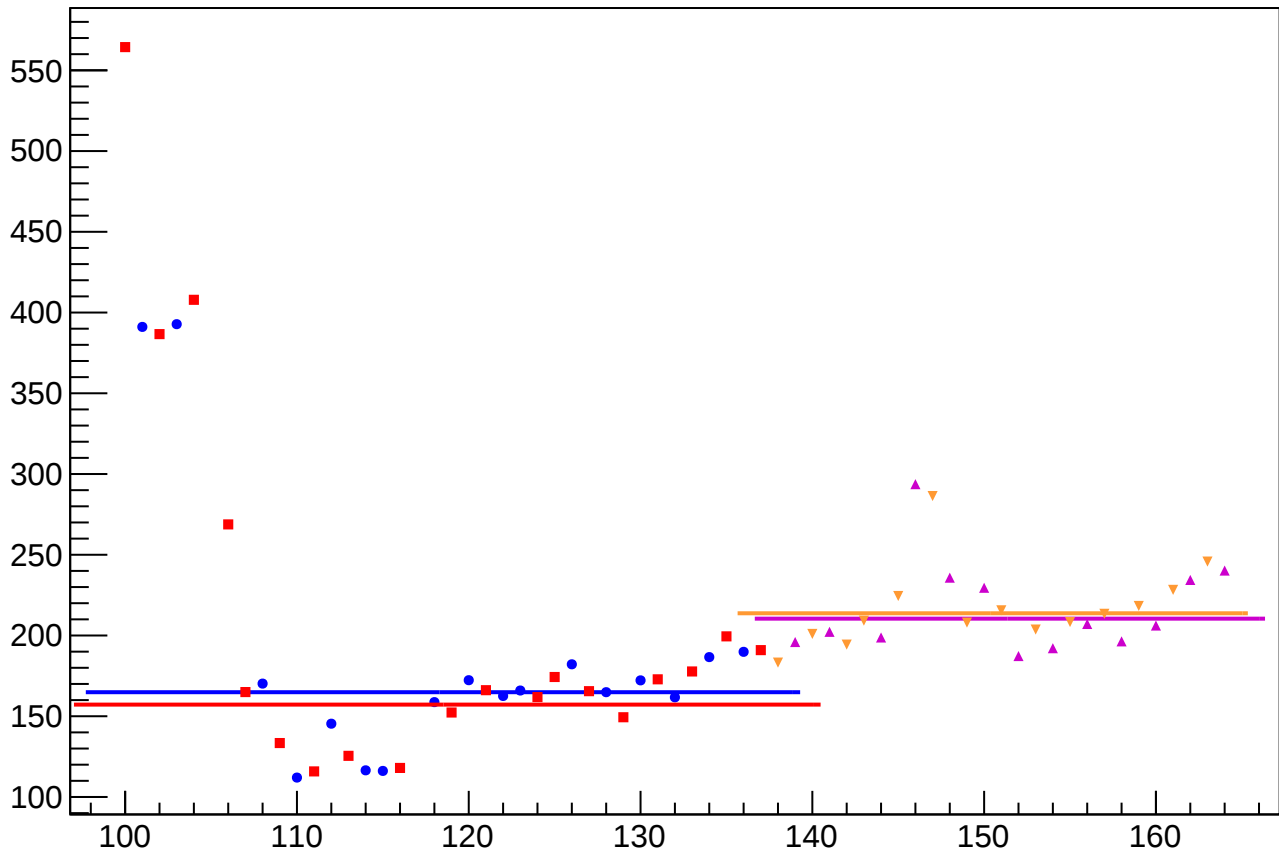
- sign 177.522 $\pm$ 0.032 χ^2 /NDF: 2125214.3/31

yield_bpm0l09WS_mean vs Slug



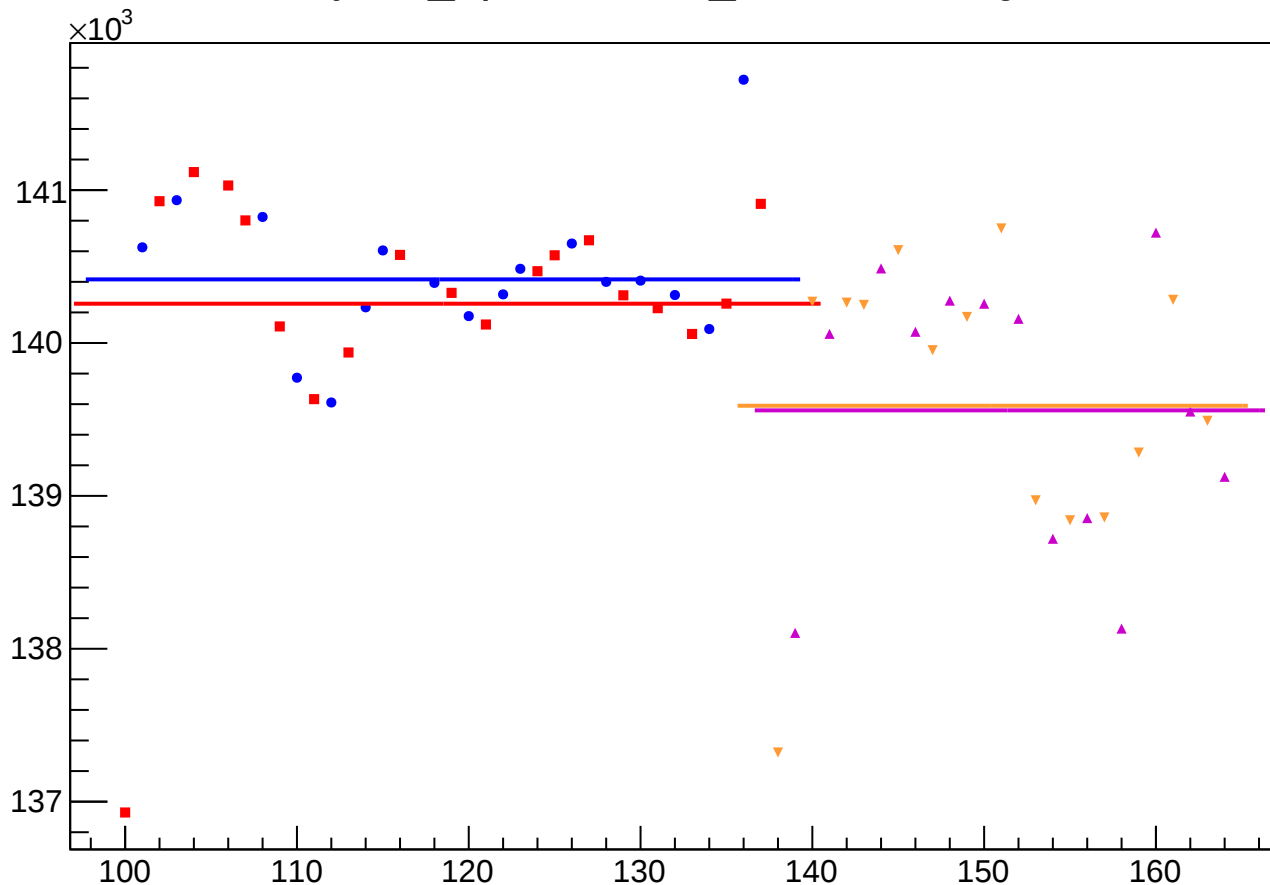
Right In: 139634.700 ± 0.068	$\chi^2/\text{NDF}: 24844912.0/16$	+ sign 140601.086 ± 0.048	$\chi^2/\text{NDF}: 1094527071.4$
Left Out: 141544.053 ± 0.067	$\chi^2/\text{NDF}: 668000784.7/13$	All: 140533.931 ± 0.033	$\chi^2/\text{NDF}: 199606303$
Right Out: 139661.970 ± 0.063	$\chi^2/\text{NDF}: 38372985.0/18$	- sign 140471.752 ± 0.046	$\chi^2/\text{NDF}: 897707544.9/3$
Left In: 141379.922 ± 0.067	$\chi^2/\text{NDF}: 509230866.0/12$		

yield_bpm0l09WS_rms vs Slug



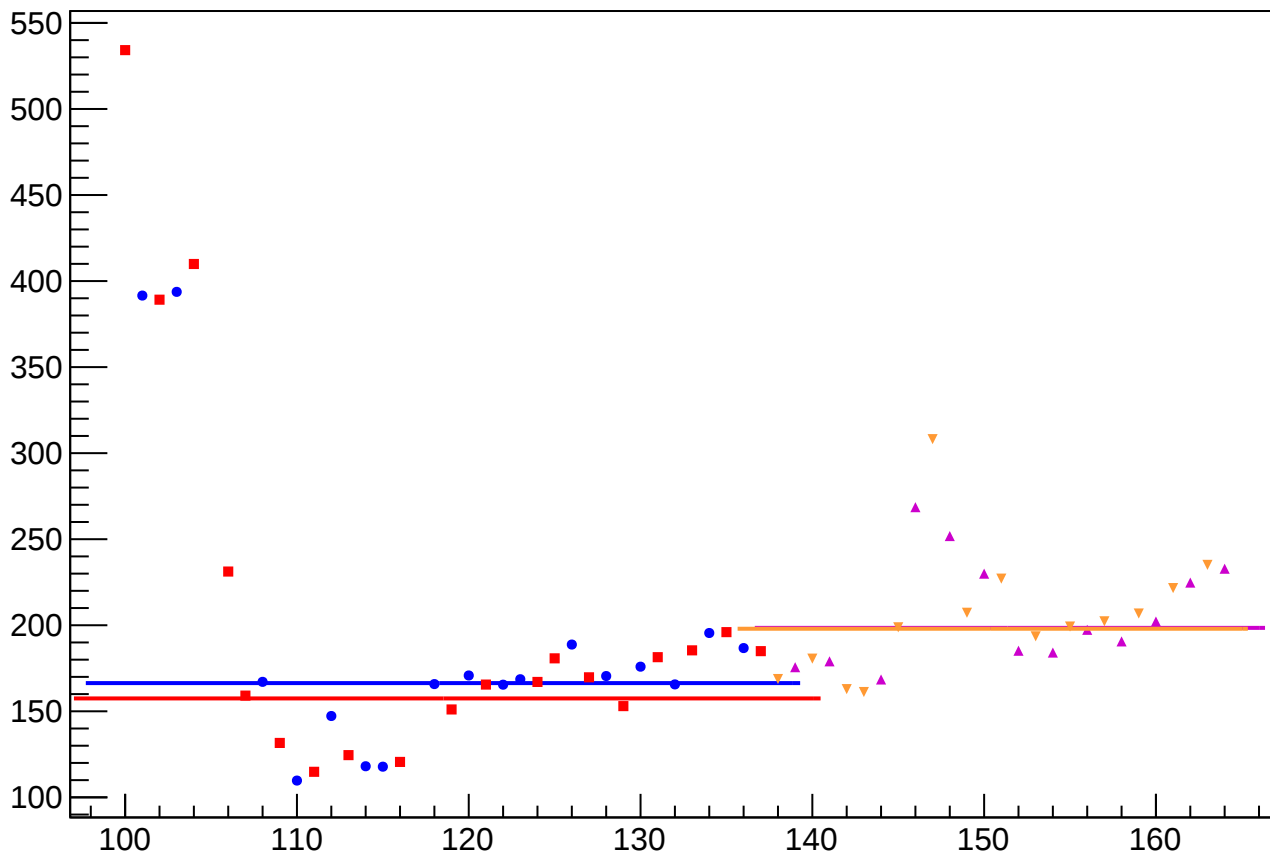
Right In: 164.884 ± 0.048 $\chi^2/\text{NDF}: 1066270.8/16$
 Left Out: 213.762 ± 0.047 $\chi^2/\text{NDF}: 196508.4/13$
 Right Out: 157.207 ± 0.045 $\chi^2/\text{NDF}: 1245030.9/18$
 Left In: 210.433 ± 0.047 $\chi^2/\text{NDF}: 253129.9/12$
 + sign 189.623 ± 0.034 $\chi^2/\text{NDF}: 1789242.8/30$
 All: 185.819 ± 0.023 $\chi^2/\text{NDF}: 3984093.5/62$
 - sign 182.296 ± 0.032 $\chi^2/\text{NDF}: 2170274.8/31$

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068	χ^2 /NDF: 69975821.3/16	+ sign 139965.092 $\pm$ 0.046	χ^2 /NDF: 391985233.7/3
Left Out: 139589.632 $\pm$ 0.062	χ^2 /NDF: 242334583.8/13	All: 139935.493 $\pm$ 0.032	χ^2 /NDF: 696545982
Right Out: 140256.992 $\pm$ 0.063	χ^2 /NDF: 38063371.4/18	- sign 139907.758 $\pm$ 0.045	χ^2 /NDF: 303762210.7/3
Left In: 139559.316 $\pm$ 0.063	χ^2 /NDF: 204588870.3/12		

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 $\pm$ 0.048 χ^2 /NDF: 1080964.8/16

Left Out: 197.973 $\pm$ 0.044 χ^2 /NDF: 449598.2/13

Right Out: 157.475 $\pm$ 0.045 χ^2 /NDF: 1229886.8/18

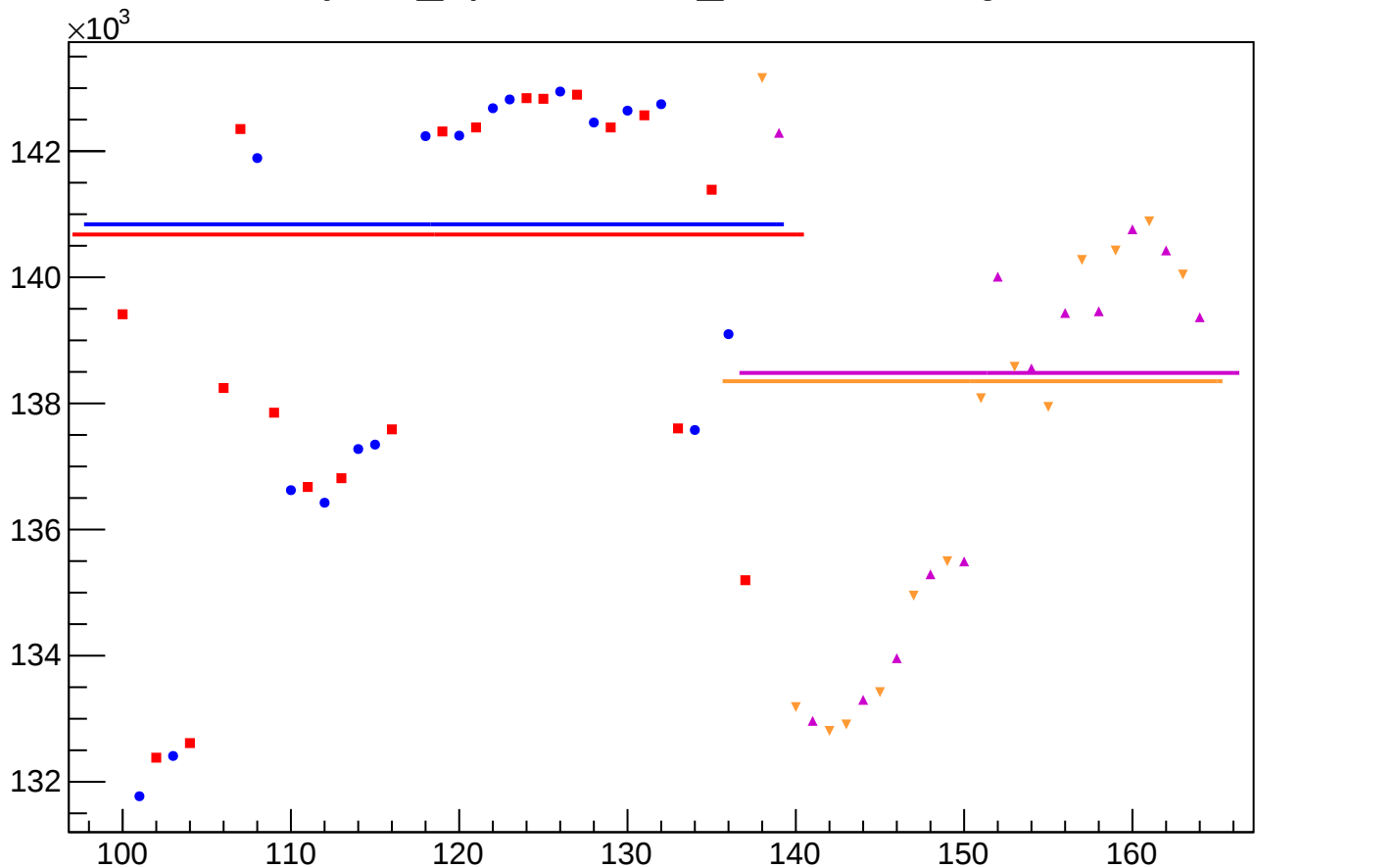
Left In: 198.476 $\pm$ 0.045 χ^2 /NDF: 371986.0/12

+ sign 183.623 $\pm$ 0.033 χ^2 /NDF: 1763321.0/30

All: 180.720 $\pm$ 0.023 χ^2 /NDF: 3802672.0/62

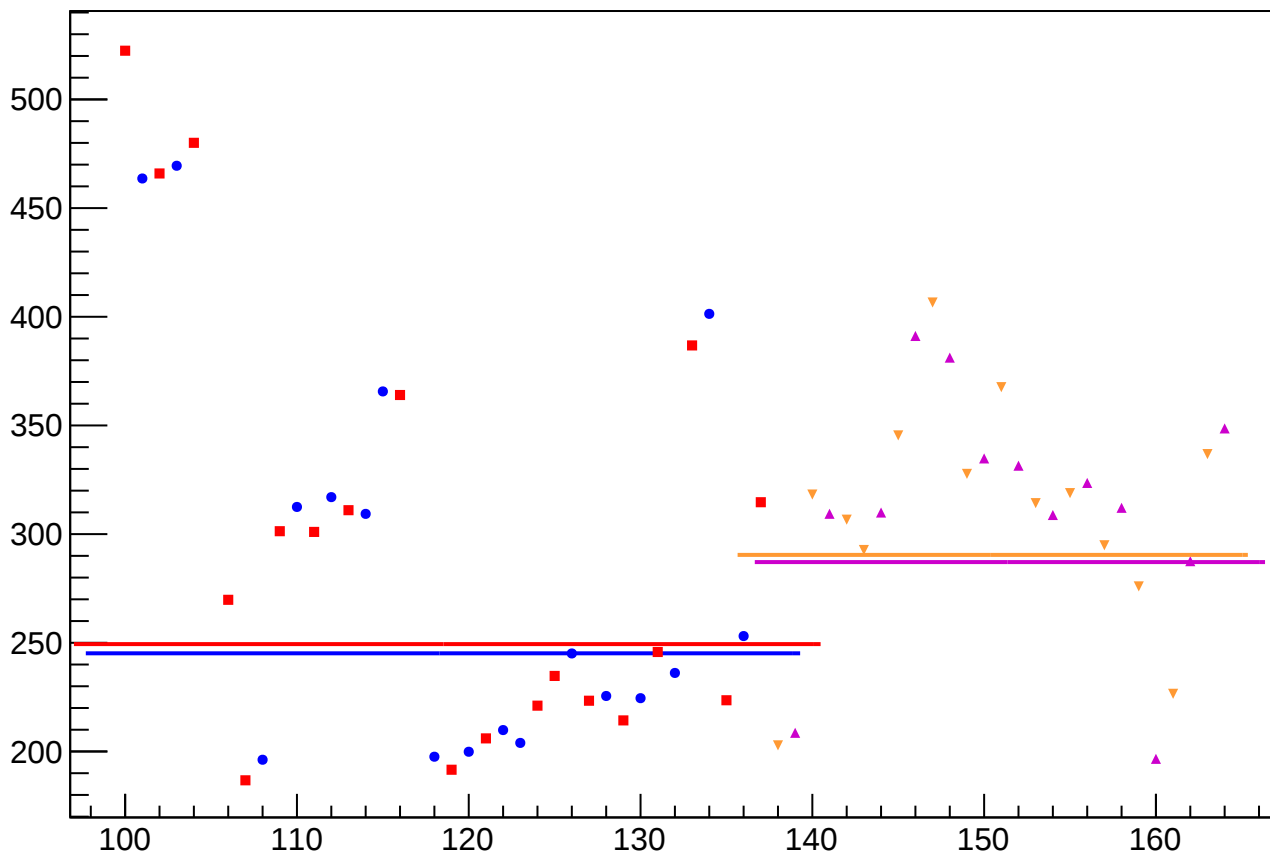
- sign 177.999 $\pm$ 0.032 χ^2 /NDF: 2023981.4/31

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	+ sign 139503.061 $\pm$ 0.068	χ^2 /NDF: 2544792554.3
Left Out: 138352.165 $\pm$ 0.093	χ^2 /NDF: 1389910664.5/13	All: 139507.517 $\pm$ 0.048	χ^2 /NDF: 474677213
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	- sign 139511.946 $\pm$ 0.068	χ^2 /NDF: 2201971026.7
Left In: 138483.924 $\pm$ 0.093	χ^2 /NDF: 1100593580.4/12		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 290.445 ± 0.066 χ^2/NDF : 707462.7/13

Right Out: 249.397 ± 0.070 χ^2/NDF : 1009731.2/18

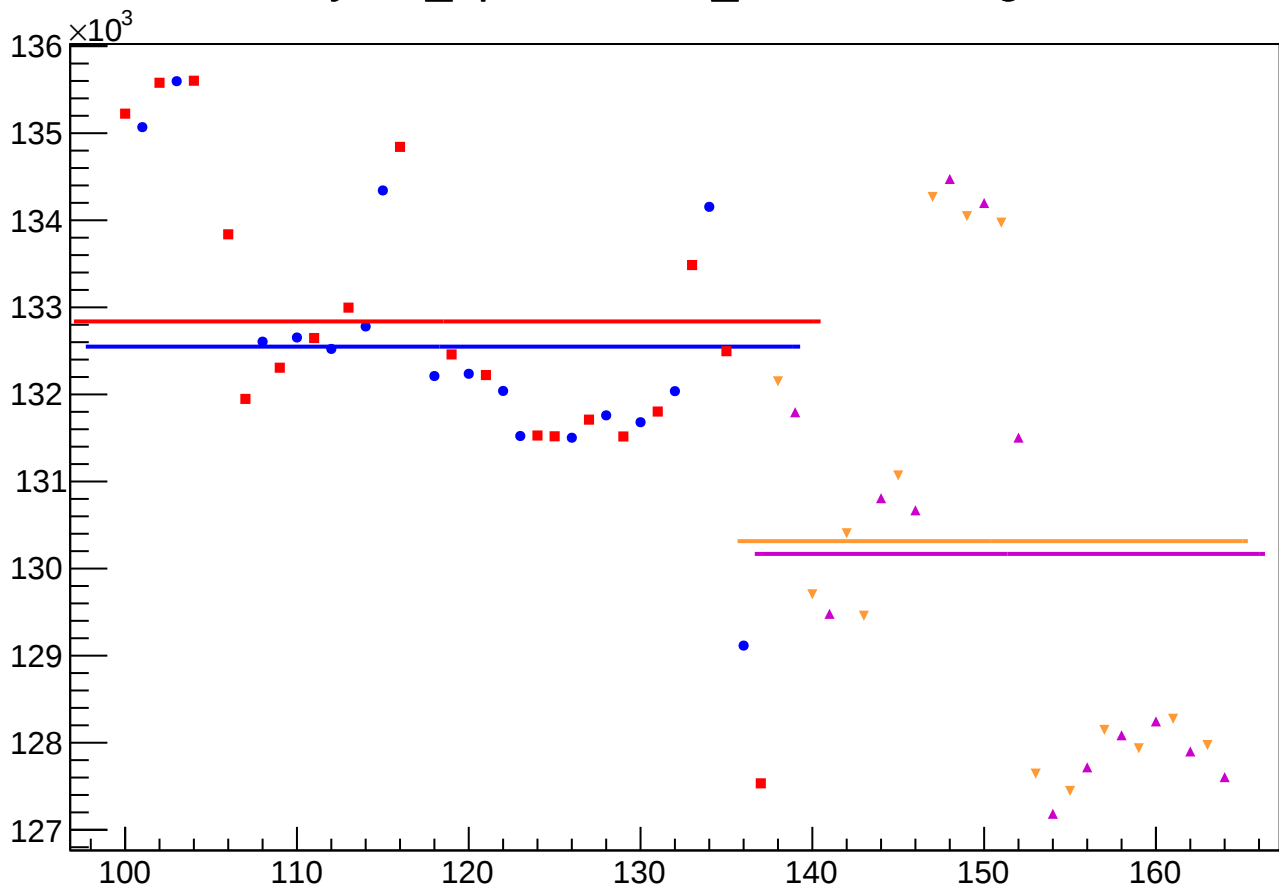
Left In: 287.134 ± 0.066 χ^2/NDF : 872474.3/12

+ sign 269.488 ± 0.048 χ^2/NDF : 1797260.1/30

All: 269.472 ± 0.034 χ^2/NDF : 3833629.4/62

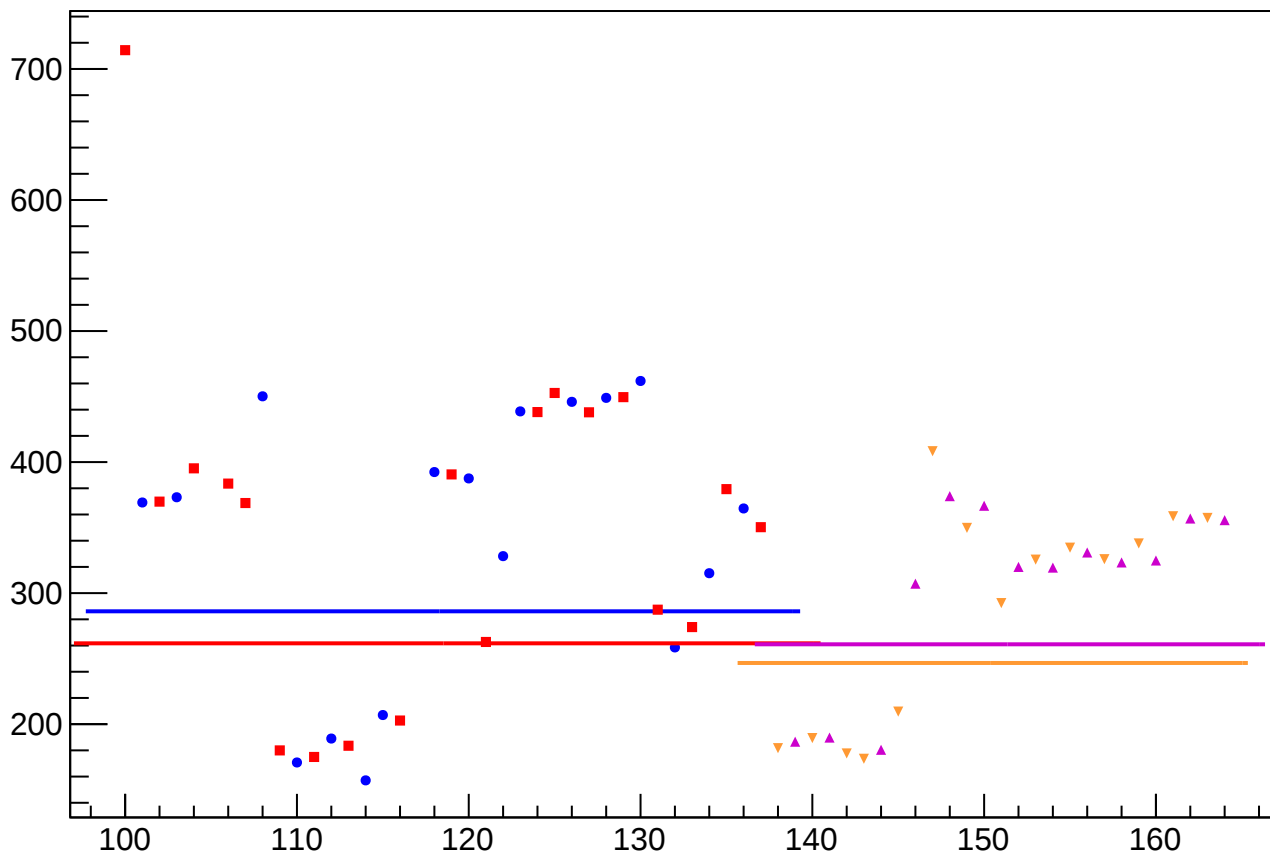
- sign 269.457 ± 0.048 χ^2/NDF : 2036369.1/31

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119	χ^2 /NDF: 161115079.9/16	+ sign 131018.134 $\pm$ 0.067	χ^2 /NDF: 1028678492.8
Left Out: 130314.992 $\pm$ 0.081	χ^2 /NDF: 627586961.1/13	All: 131114.705 $\pm$ 0.047	χ^2 /NDF: 209644672
Right Out: 132838.294 $\pm$ 0.107	χ^2 /NDF: 149611447.6/18	- sign 131211.157 $\pm$ 0.067	χ^2 /NDF: 1063612227.4
Left In: 130168.494 $\pm$ 0.086	χ^2 /NDF: 535277874.6/12		

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 246.693+/-0.057 χ^2/NDF :1832207.2/13

Right Out: 261.686+/-0.076 χ^2/NDF : 1623174.1/18

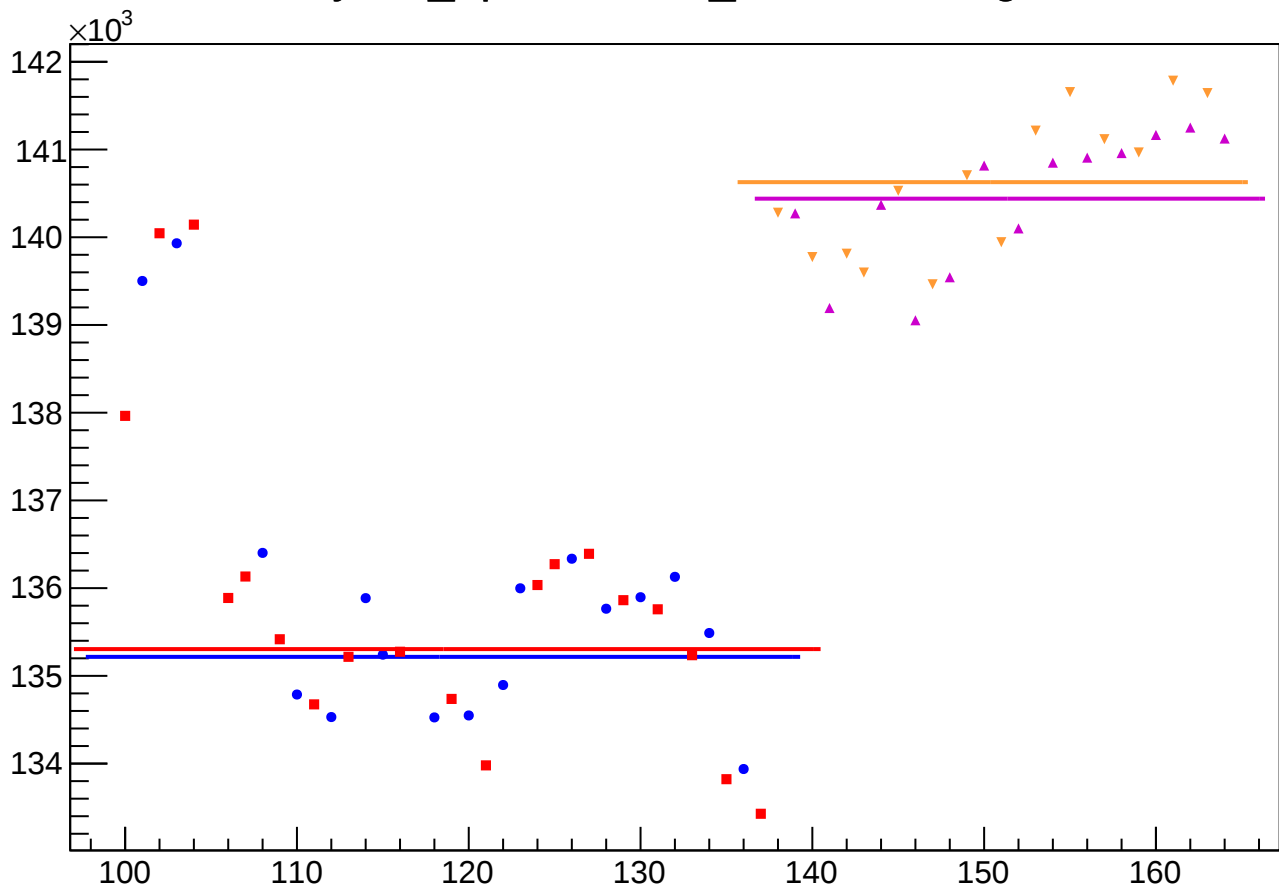
Left In: 260.941+/-0.061 χ^2/NDF :1588461.3/12

+ sign 259.104+/-0.047 χ^2/NDF : 3506996.8/30

All: 260.169+/-0.033 χ^2/NDF : 6719701.9/62

- sign 261.232+/-0.047 χ^2/NDF : 3211694.4/31

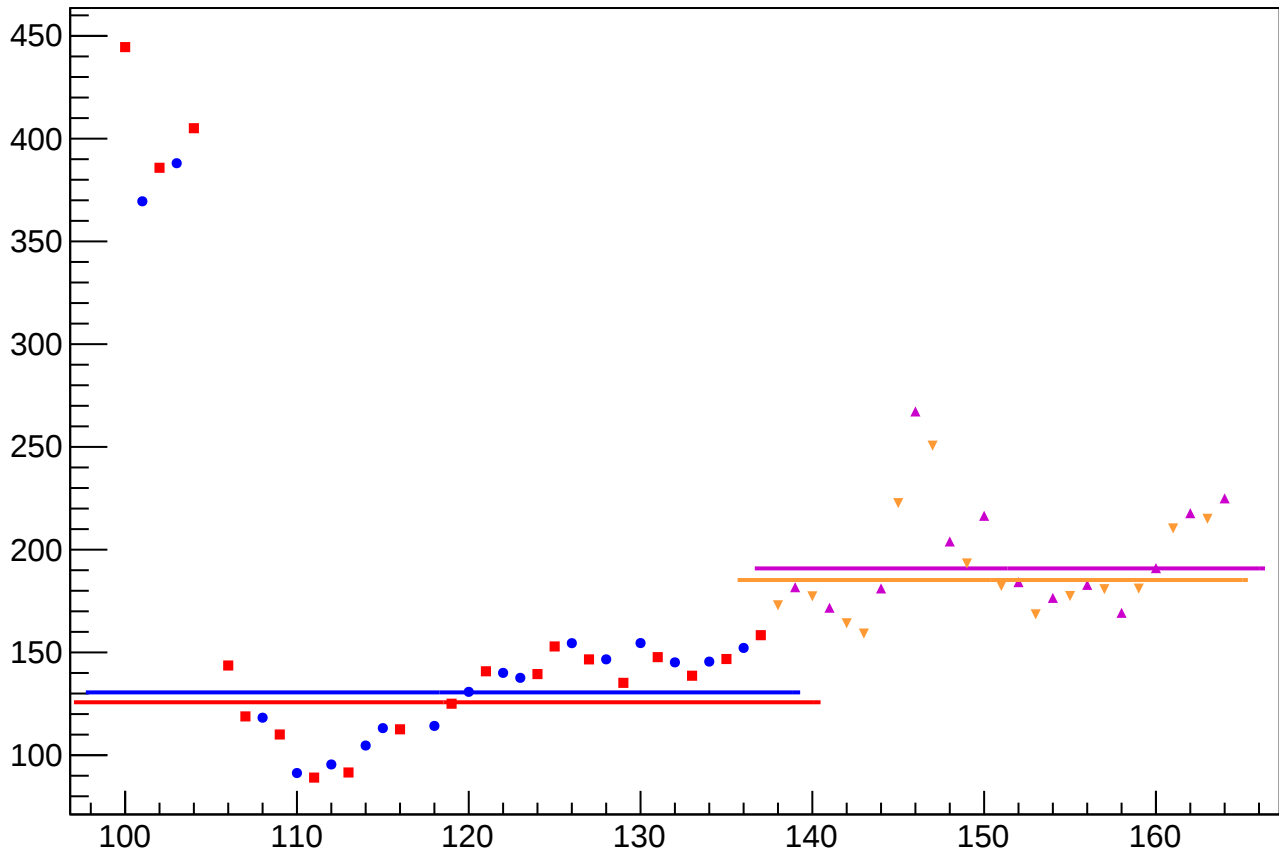
yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 ± 0.054 $\chi^2/\text{NDF}: 371347707.3/16$
 Left Out: 140628.150 ± 0.058 $\chi^2/\text{NDF}: 169142257.4/13$
 Right Out: 135305.135 ± 0.051 $\chi^2/\text{NDF}: 357636841.6/18$
 Left In: 140439.858 ± 0.061 $\chi^2/\text{NDF}: 129531856.2/12$

+ sign 137733.948 ± 0.040 $\chi^2/\text{NDF}: 5151248126.8$
 All: 137584.259 ± 0.028 $\chi^2/\text{NDF}: 985652345$
 - sign 137439.483 ± 0.039 $\chi^2/\text{NDF}: 4677380478.9$

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 ± 0.038 χ^2/NDF : 1373104.9/16

Left Out: 185.234 ± 0.041 χ^2/NDF : 275480.0/13

Right Out: 125.746 ± 0.036 χ^2/NDF : 1440002.5/18

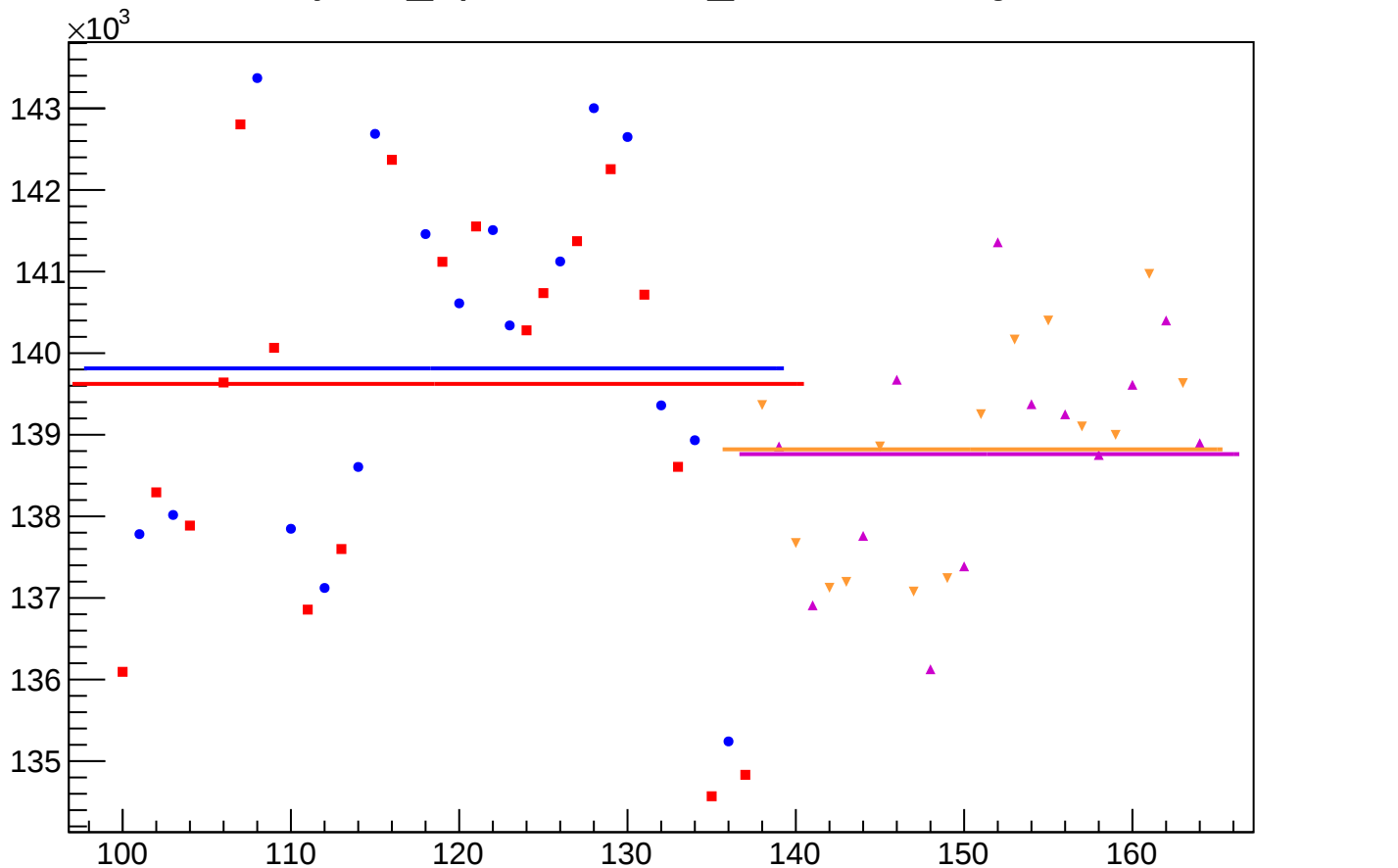
Left In: 190.884 ± 0.043 χ^2/NDF : 271897.4/12

+ sign 155.989 ± 0.028 χ^2/NDF : 2590149.3/30

All: 154.379 ± 0.020 χ^2/NDF : 5657157.8/62

- sign 152.821 ± 0.028 χ^2/NDF : 3060554.0/31

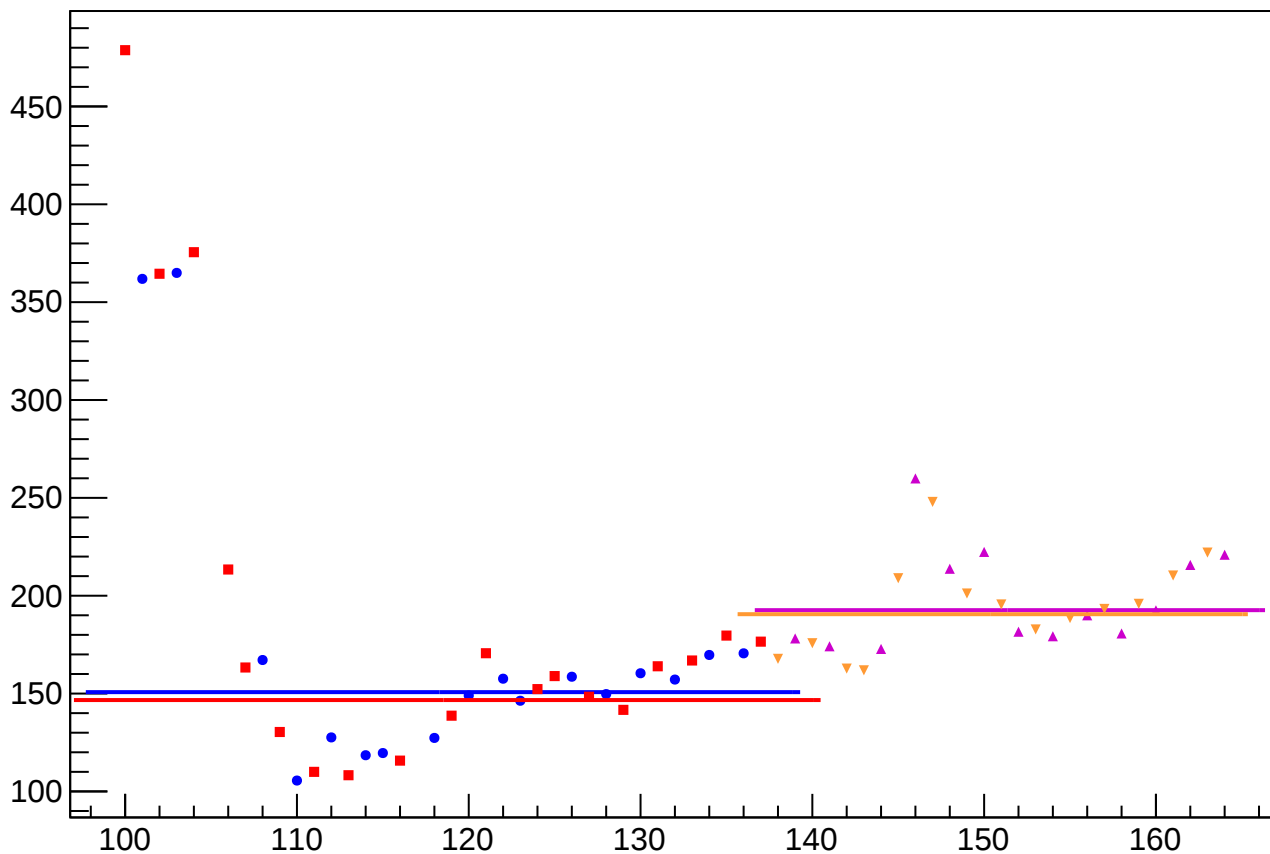
yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 ± 0.062 $\chi^2/\text{NDF}: 1689865533.6/16$
 Left Out: 138821.561 ± 0.060 $\chi^2/\text{NDF}: 428773504.3/13$
 Right Out: 139623.387 ± 0.059 $\chi^2/\text{NDF}: 1505731109.1/18$
 Left In: 138762.644 ± 0.061 $\chi^2/\text{NDF}: 517796402.8/12$

+ sign 139302.617 ± 0.043 $\chi^2/\text{NDF}: 2250866676.7/16$
 All: 139255.057 ± 0.030 $\chi^2/\text{NDF}: 437922339.1/16$
 - sign 139208.865 ± 0.042 $\chi^2/\text{NDF}: 2125958528.0/16$

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 190.560+/-0.042 χ^2/NDF : 248554.2/13

Right Out: 146.686+/-0.042 χ^2/NDF : 1203106.6/18

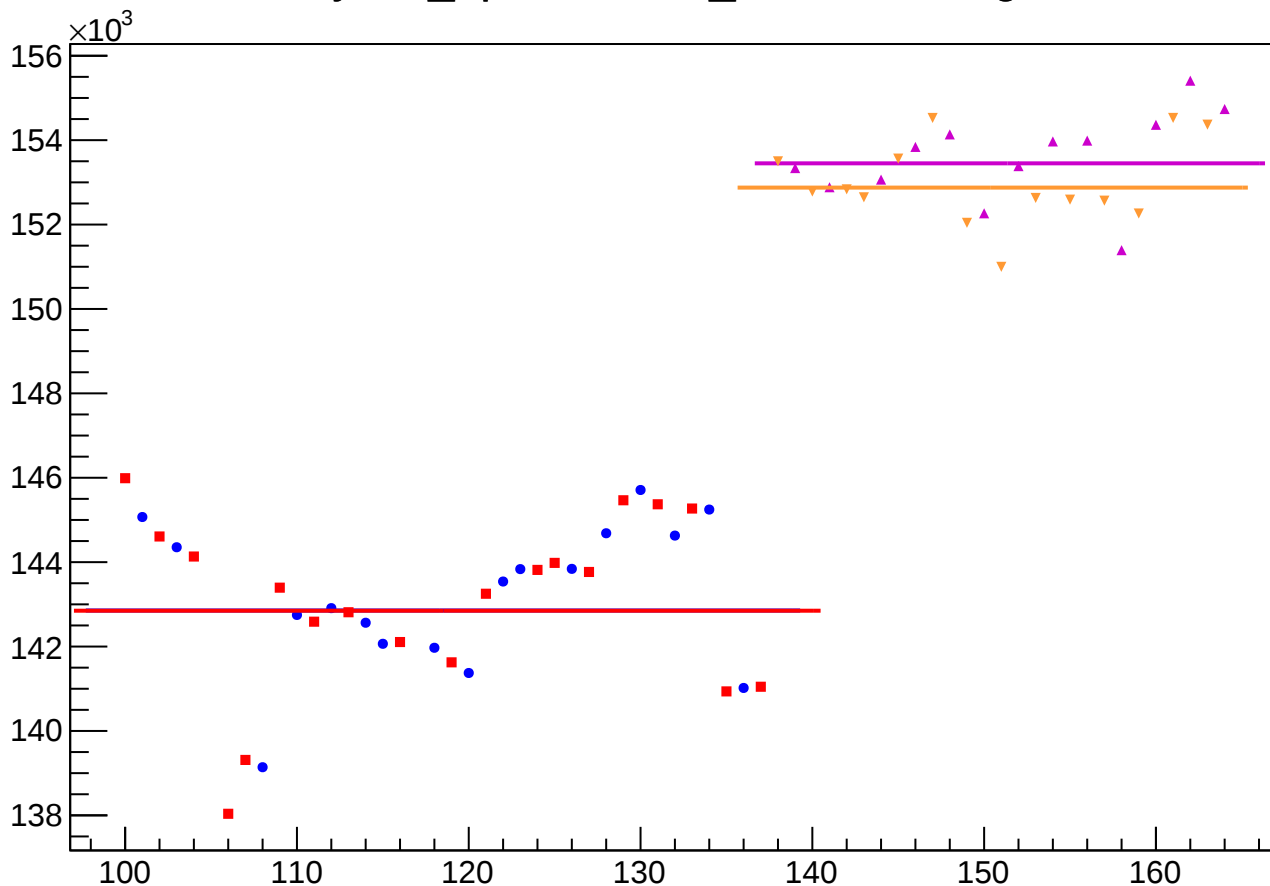
Left In: 192.621+/-0.043 χ^2/NDF : 255957.3/12

+ sign 171.249+/-0.030 χ^2/NDF : 1724815.7/30

All: 170.010+/-0.021 χ^2/NDF : 3770575.8/62

- sign 168.807+/-0.030 χ^2/NDF : 2042507.5/31

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 152875.906 $\pm$ 0.061 χ^2 /NDF: 227368619.8/13

Right Out: 142849.362 $\pm$ 0.060 χ^2 /NDF: 850066807.5/18

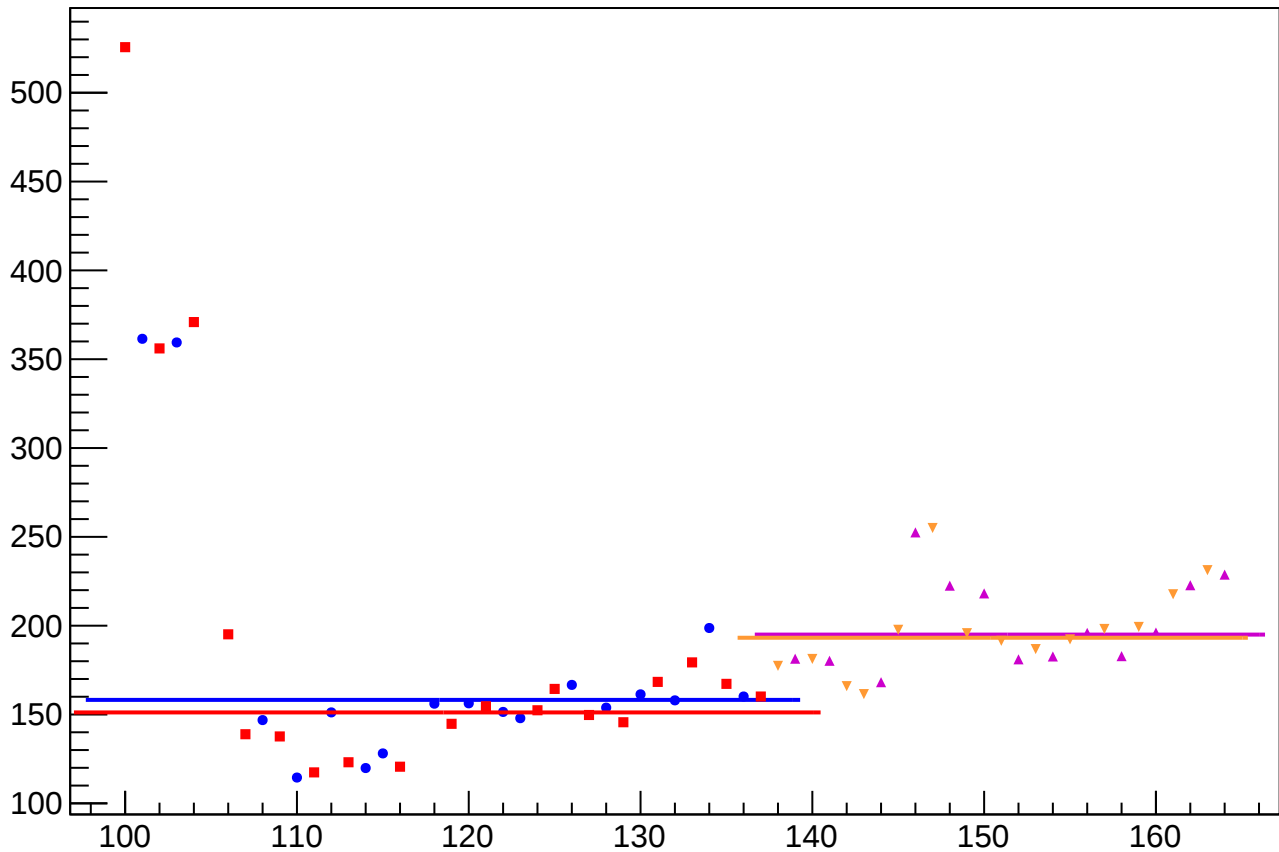
Left In: 153450.933 $\pm$ 0.062 χ^2 /NDF: 256485026.9/12

+ sign 148172.188 $\pm$ 0.044 χ^2 /NDF: 13713789377.7

All: 148094.028 $\pm$ 0.031 χ^2 /NDF: 298531508

- sign 148019.601 $\pm$ 0.043 χ^2 /NDF: 16133284379.3

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 χ^2/NDF : 883513.4/16

Left Out: 193.213 ± 0.043 χ^2/NDF : 245834.9/13

Right Out: 151.174 ± 0.043 χ^2/NDF : 1003301.6/18

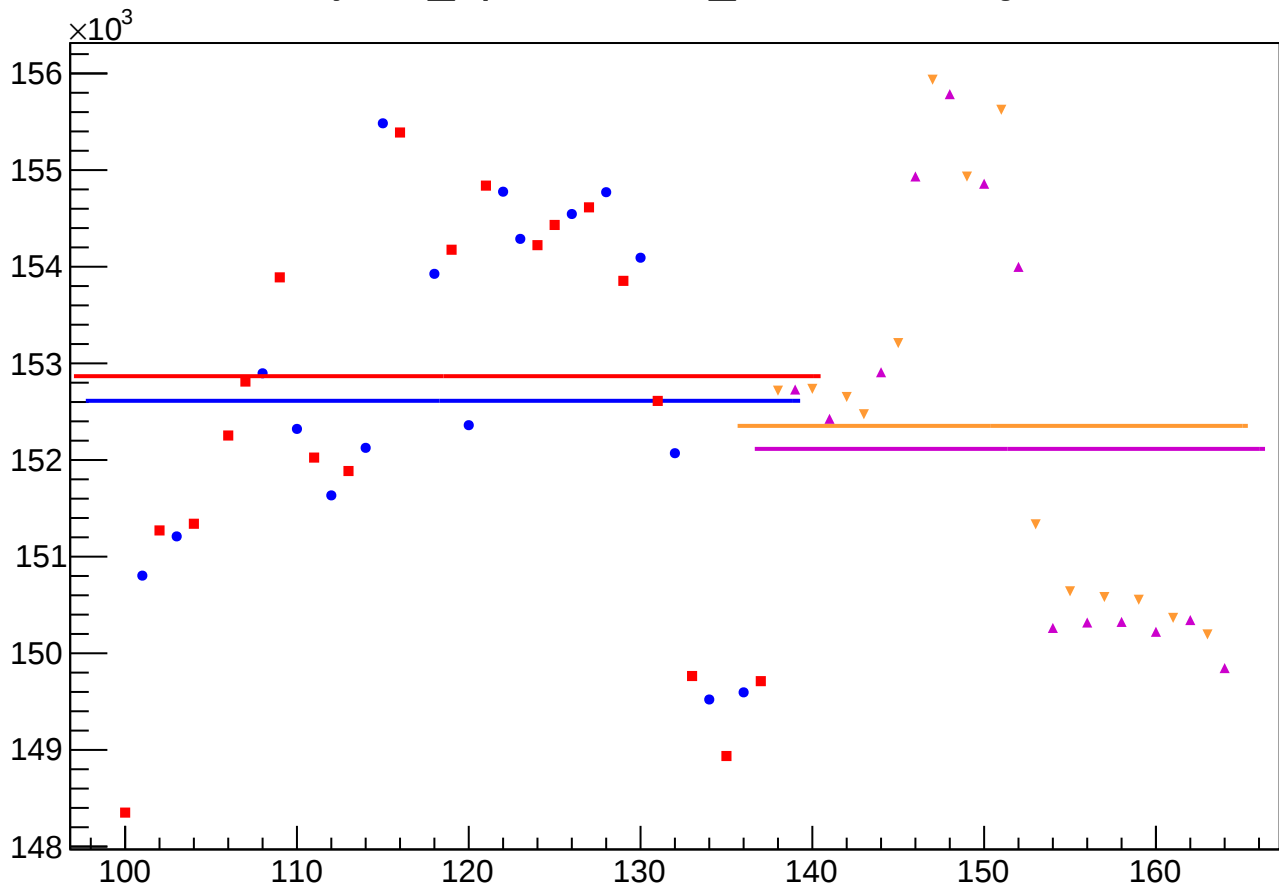
Left In: 194.987 ± 0.044 χ^2/NDF : 258297.3/12

+ sign 176.795 ± 0.031 χ^2/NDF : 1439929.5/30

All: 174.616 ± 0.022 χ^2/NDF : 3224267.9/62

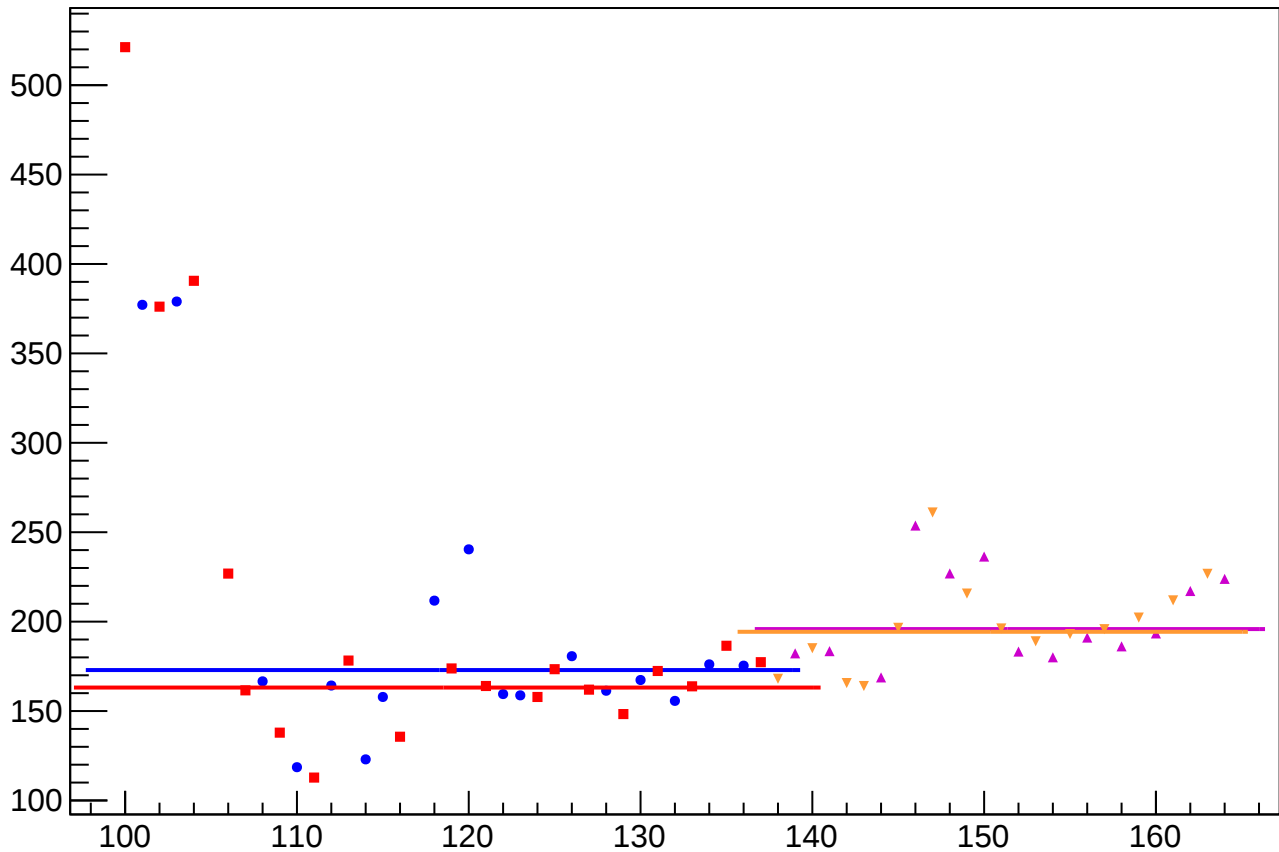
- sign 172.541 ± 0.031 χ^2/NDF : 1774894.0/31

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072	χ^2 /NDF: 621416187.4/16	+ sign 152461.047 $\pm$ 0.047	χ^2 /NDF: 1479338115.9
Left Out: 152353.153 $\pm$ 0.061	χ^2 /NDF: 850372997.9/13	All: 152463.940 $\pm$ 0.032	χ^2 /NDF: 321309398
Right Out: 152867.453 $\pm$ 0.066	χ^2 /NDF: 719075986.4/18	- sign 152466.677 $\pm$ 0.045	χ^2 /NDF: 1733748351.1/12
Left In: 152115.136 $\pm$ 0.062	χ^2 /NDF: 945906551.9/12		

yield_bpm0i07WS_rms vs Slug



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 194.320+/-0.043 χ^2/NDF : 270772.5/13

+ sign 185.420+/-0.033 χ^2/NDF : 1315446.4/30

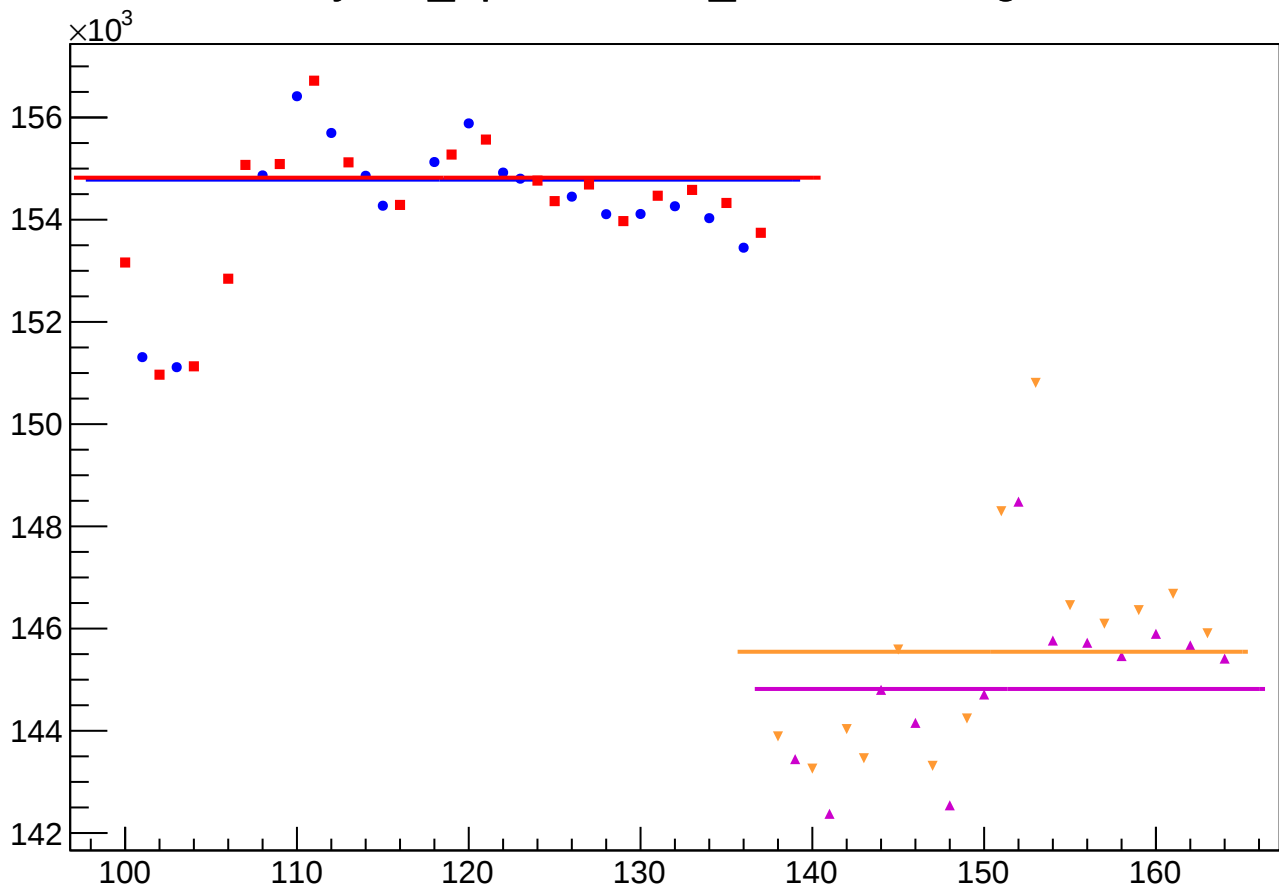
Right Out: 163.138+/-0.047 χ^2/NDF : 1033751.2/18

All: 182.921+/-0.023 χ^2/NDF : 2898734.7/62

- sign 180.557+/-0.032 χ^2/NDF : 1572066.1/31

Left In: 195.836+/-0.044 χ^2/NDF : 278507.7/12

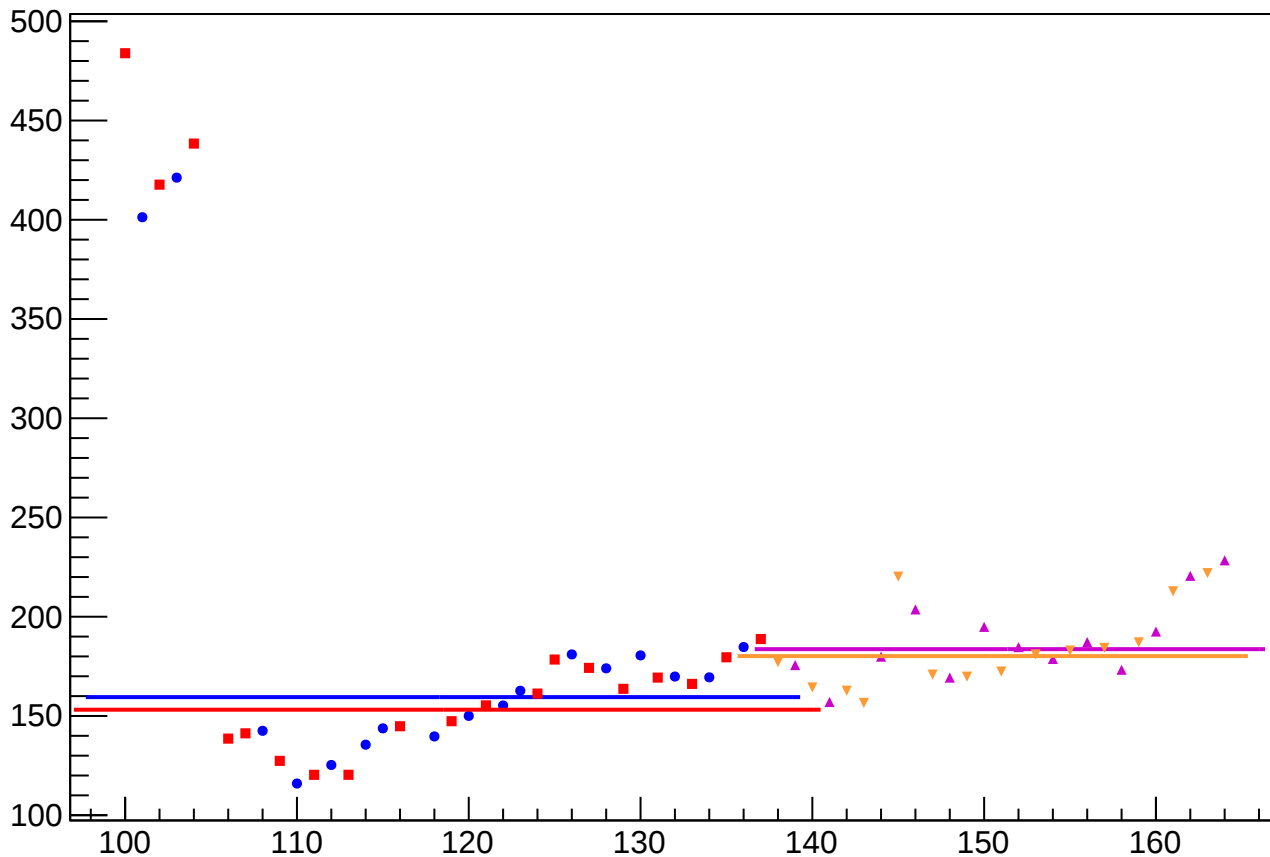
yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16
 Left Out: 145546.692 $\pm$ 0.056 χ^2 /NDF: 1481718050.5/13
 Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18
 Left In: 144818.601 $\pm$ 0.058 χ^2 /NDF: 812165158.7/12

+ sign 149477.114 $\pm$ 0.043 χ^2 /NDF: 13219538175.
 All: 149521.926 $\pm$ 0.030 χ^2 /NDF: 285122912.
 - sign 149565.283 $\pm$ 0.042 χ^2 /NDF: 15290579950.4

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 180.167 $\pm$ 0.040 χ^2 /NDF: 211699.6/13

Right Out: 153.153 $\pm$ 0.043 χ^2 /NDF: 1173739.7/18

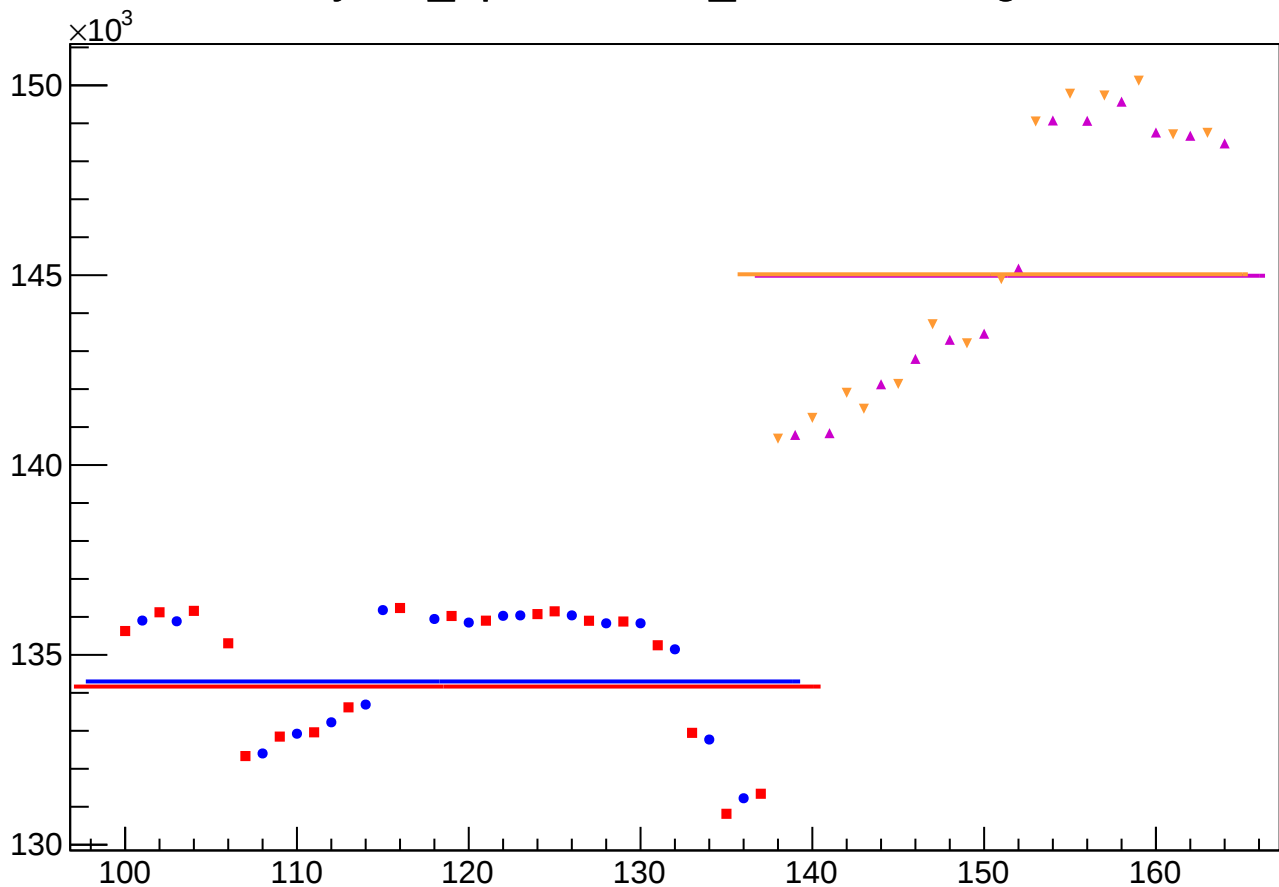
Left In: 183.667 $\pm$ 0.041 χ^2 /NDF: 182059.3/12

+ sign 171.375 $\pm$ 0.030 χ^2 /NDF: 1458357.7/30

All: 170.264 $\pm$ 0.021 χ^2 /NDF: 3080785.8/62

- sign 169.188 $\pm$ 0.030 χ^2 /NDF: 1619755.4/31

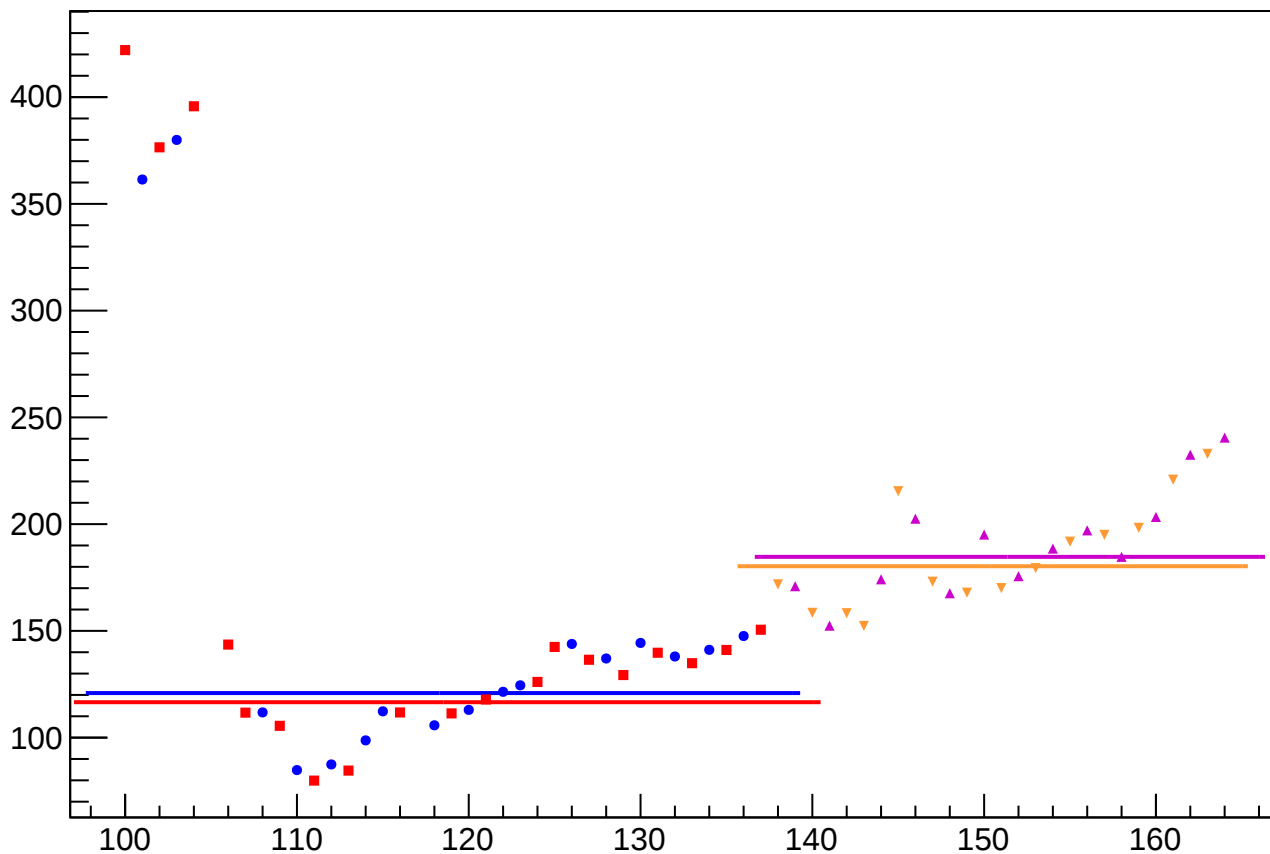
yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16
 Left Out: 145023.775 $\pm$ 0.056 χ^2 /NDF: 3949856407.8/13
 Right Out: 134165.615 $\pm$ 0.047 χ^2 /NDF: 1211471052.4/18
 Left In: 144985.423 $\pm$ 0.058 χ^2 /NDF: 3286527762.4/12

+ sign 139050.808 $\pm$ 0.038 χ^2 /NDF: 25201819551.
 All: 138751.775 $\pm$ 0.026 χ^2 /NDF: 505346238
 - sign 138465.028 $\pm$ 0.037 χ^2 /NDF: 25208711795.6

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 180.279 $\pm$ 0.040 χ^2 /NDF: 307997.4/13

Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

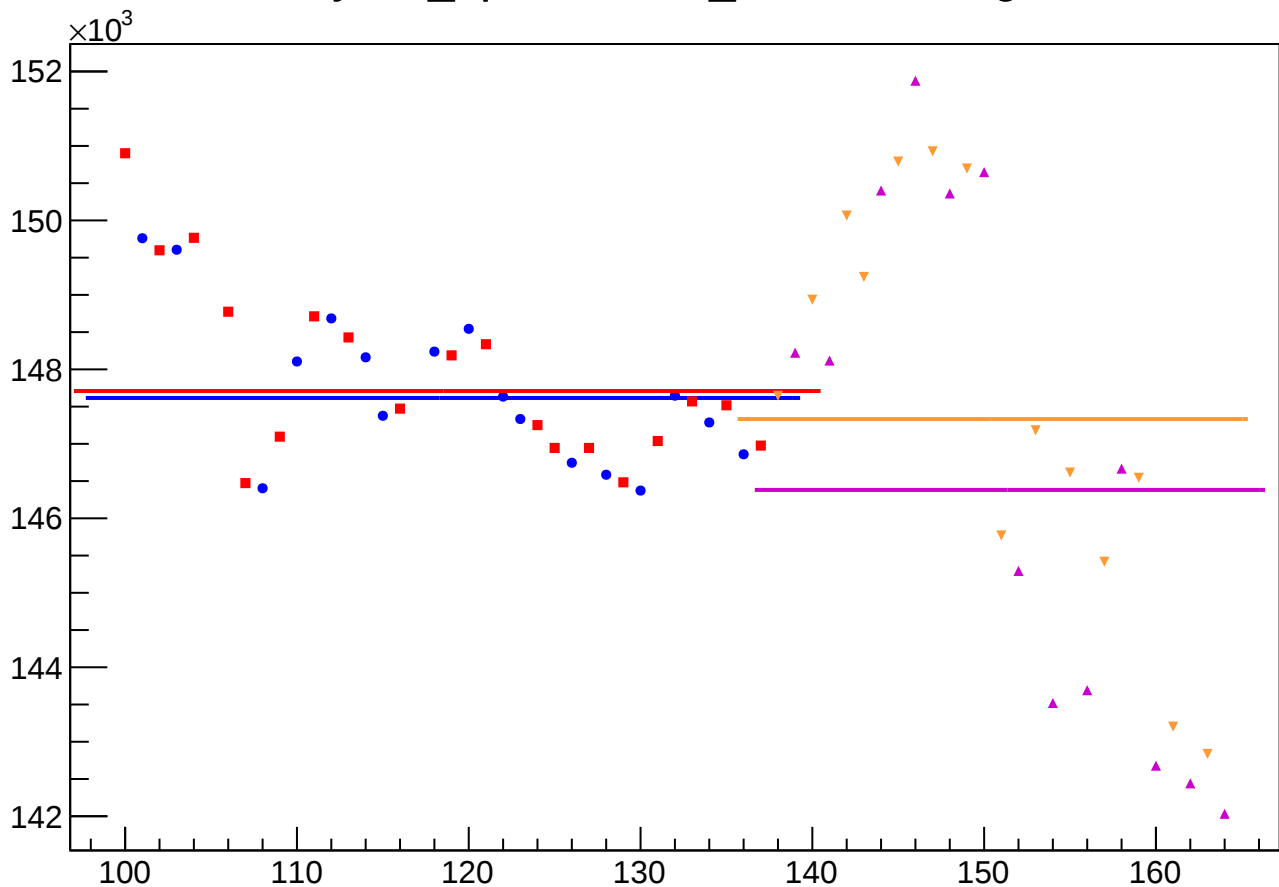
Left In: 184.672 $\pm$ 0.041 χ^2 /NDF: 274293.0/12

+ sign 147.191 $\pm$ 0.027 χ^2 /NDF: 3005557.3/30

All: 145.381 $\pm$ 0.019 χ^2 /NDF: 6470080.7/62

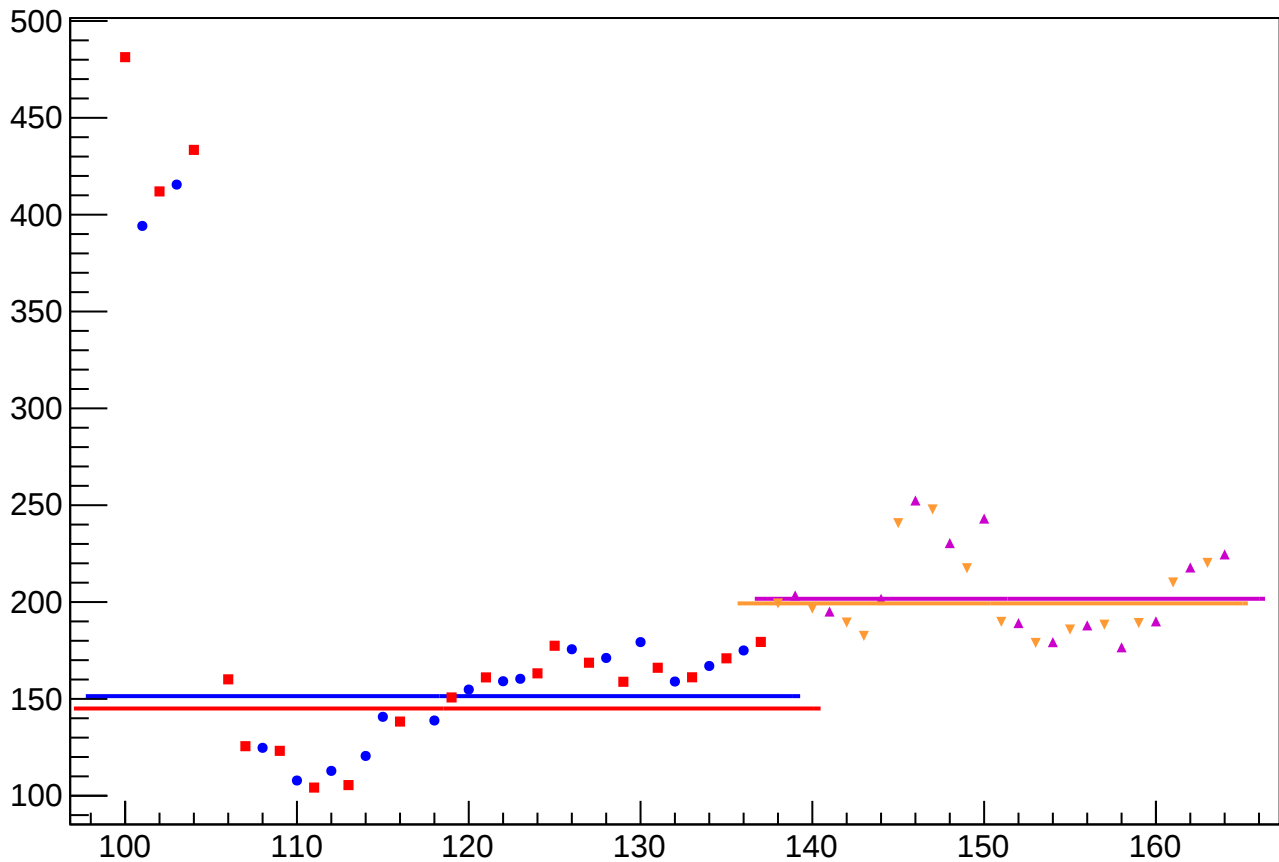
- sign 143.646 $\pm$ 0.026 χ^2 /NDF: 3455437.4/31

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 $\pm$ 0.062	χ^2 /NDF: 199263428.7/16	+ sign 147474.117 $\pm$ 0.044	χ^2 /NDF: 1703938871.4
Left Out: 147332.995 $\pm$ 0.062	χ^2 /NDF: 1494374388.4/13	All: 147284.230 $\pm$ 0.031	χ^2 /NDF: 467754544
Right Out: 147709.723 $\pm$ 0.058	χ^2 /NDF: 203906685.9/18	- sign 147103.712 $\pm$ 0.043	χ^2 /NDF: 2937459609.2/12
Left In: 146381.467 $\pm$ 0.064	χ^2 /NDF: 2496940262.5/12		

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 199.309 $\pm$ 0.044 χ^2 /NDF: 189556.1/13

Right Out: 145.039 $\pm$ 0.041 χ^2 /NDF: 1375972.0/18

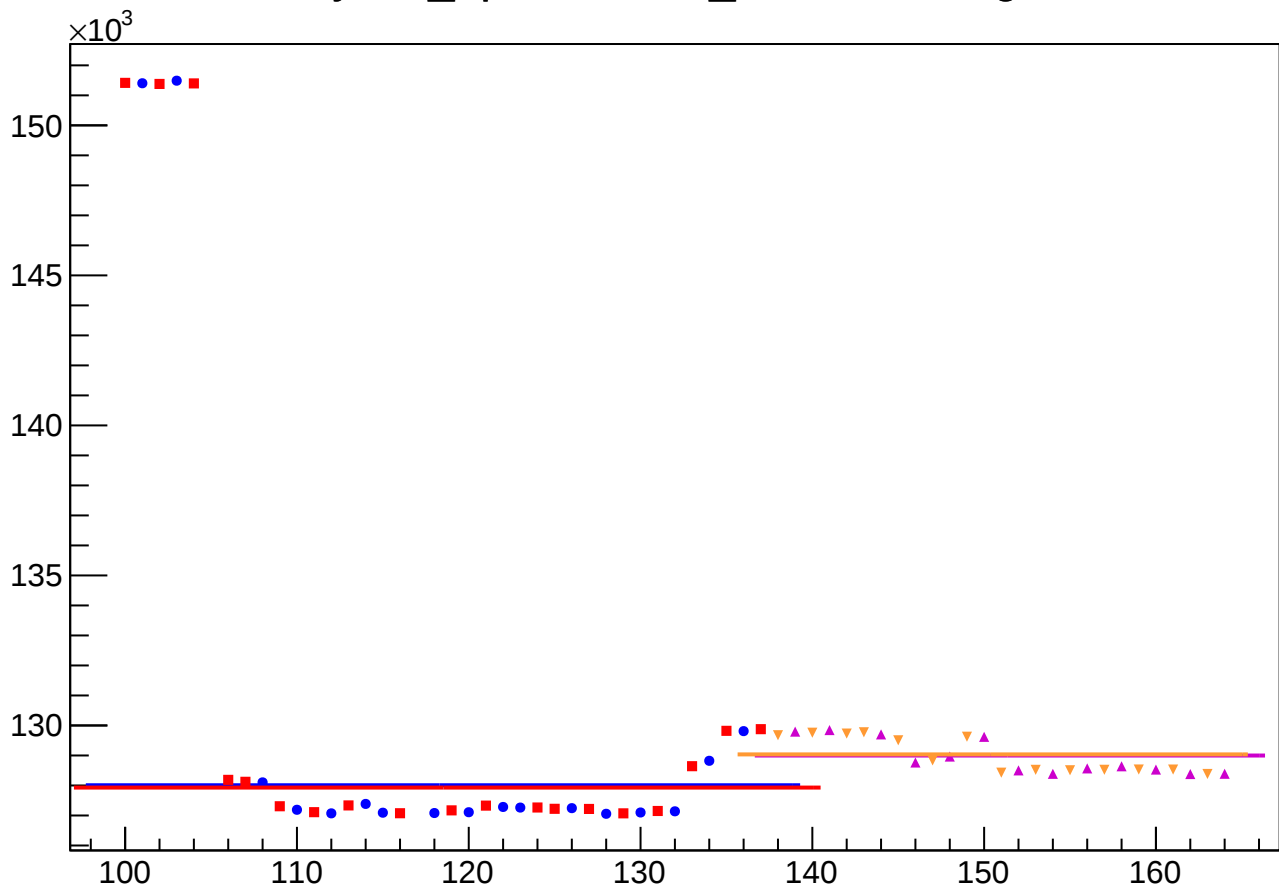
Left In: 201.692 $\pm$ 0.045 χ^2 /NDF: 240839.6/12

+ sign 175.443 $\pm$ 0.031 χ^2 /NDF: 2036594.8/30

All: 173.107 $\pm$ 0.022 χ^2 /NDF: 4525224.3/62

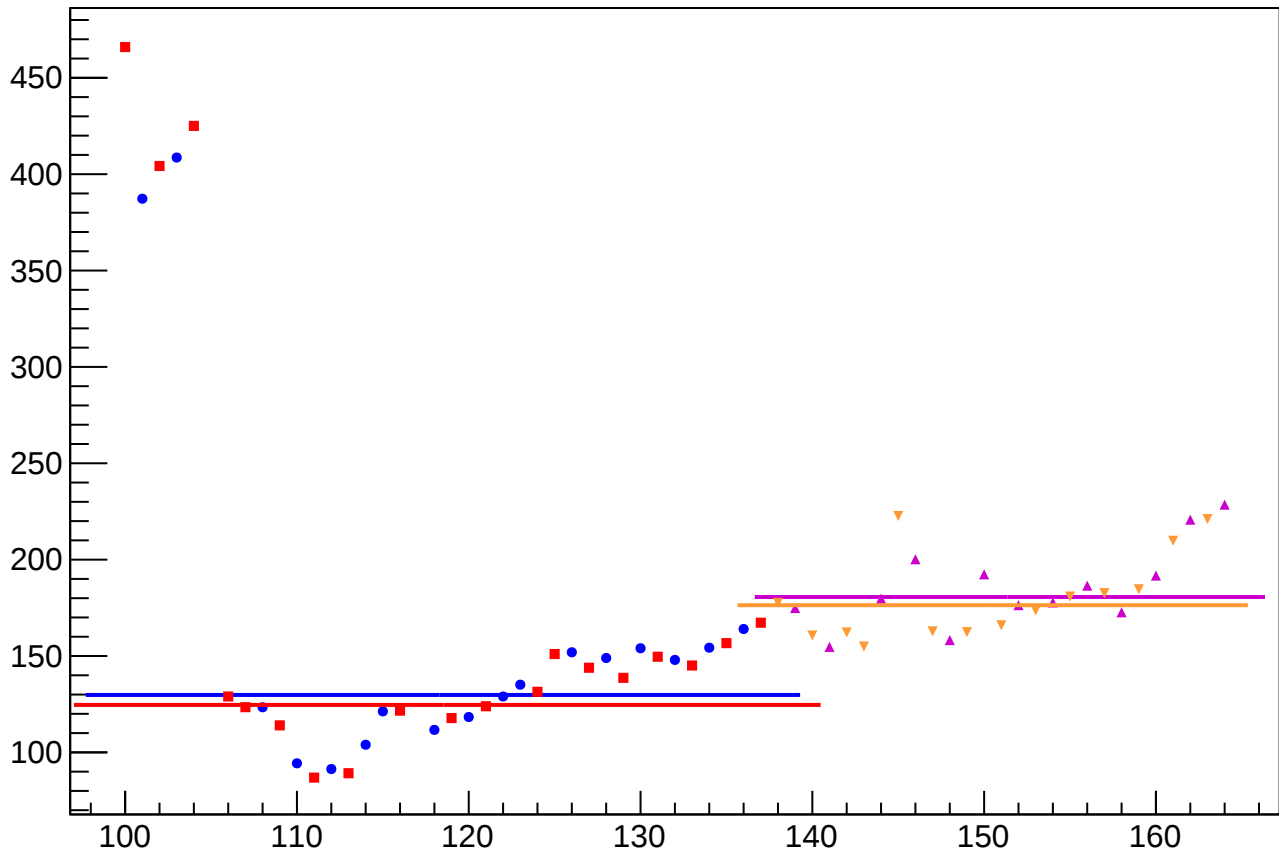
- sign 170.887 $\pm$ 0.030 χ^2 /NDF: 2477689.2/31

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16
 Left Out: 129035.850 $\pm$ 0.055 χ^2 /NDF: 109971307.1/13
 Right Out: 127930.136 $\pm$ 0.050 χ^2 /NDF: 3768176193.0/18
 Left In: 128998.178 $\pm$ 0.057 χ^2 /NDF: 100800378.9/12
 + sign 128512.835 $\pm$ 0.039 χ^2 /NDF: 4607224851.8
 All: 128454.608 $\pm$ 0.027 χ^2 /NDF: 867791575
 - sign 128398.943 $\pm$ 0.038 χ^2 /NDF: 4066239196.9

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 176.367 $\pm$ 0.039 χ^2 /NDF: 249216.1/13

Right Out: 124.625 $\pm$ 0.036 χ^2 /NDF: 1531827.4/18

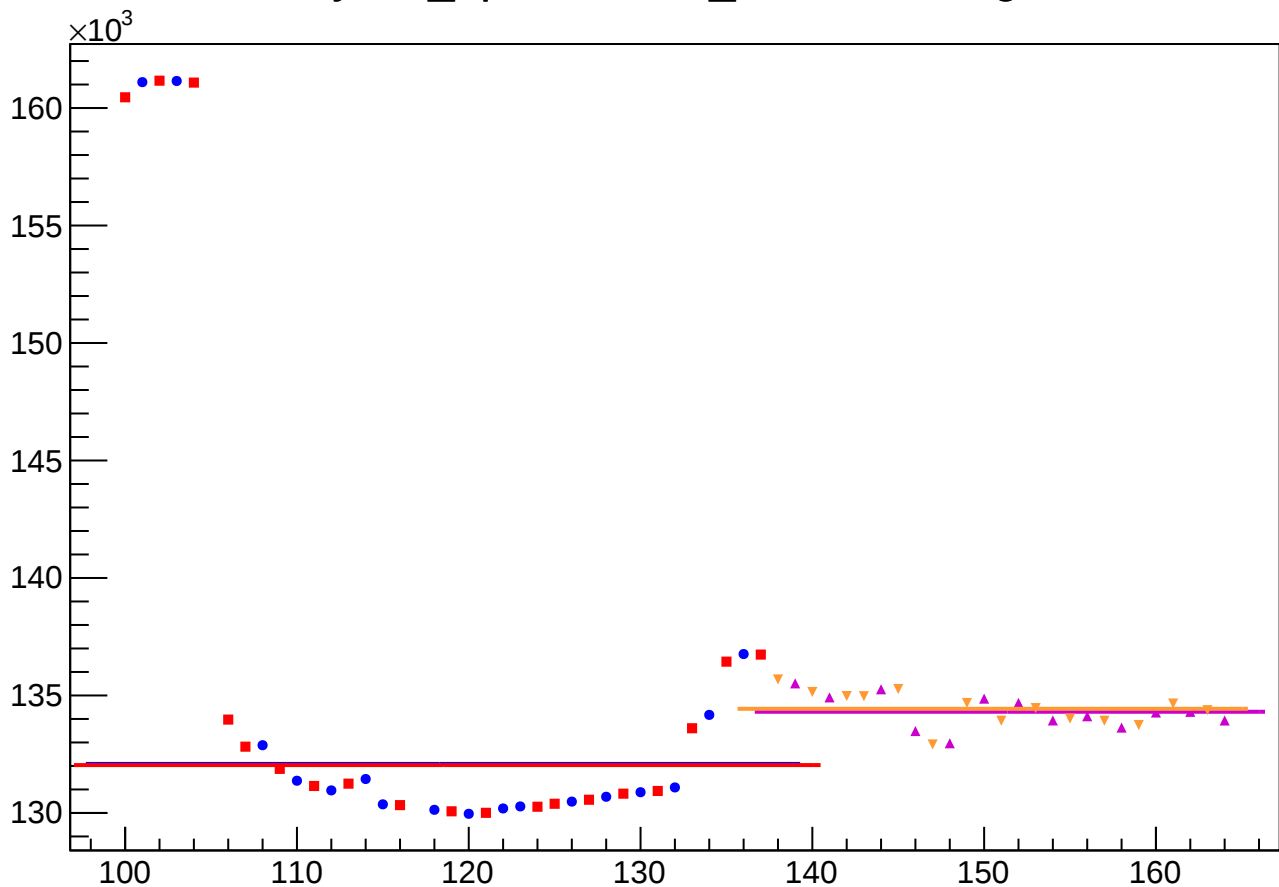
Left In: 180.616 $\pm$ 0.040 χ^2 /NDF: 214477.5/12

+ sign 152.684 $\pm$ 0.027 χ^2 /NDF: 2462248.9/30

All: 150.903 $\pm$ 0.019 χ^2 /NDF: 5301141.6/62

- sign 149.201 $\pm$ 0.027 χ^2 /NDF: 2830566.7/31

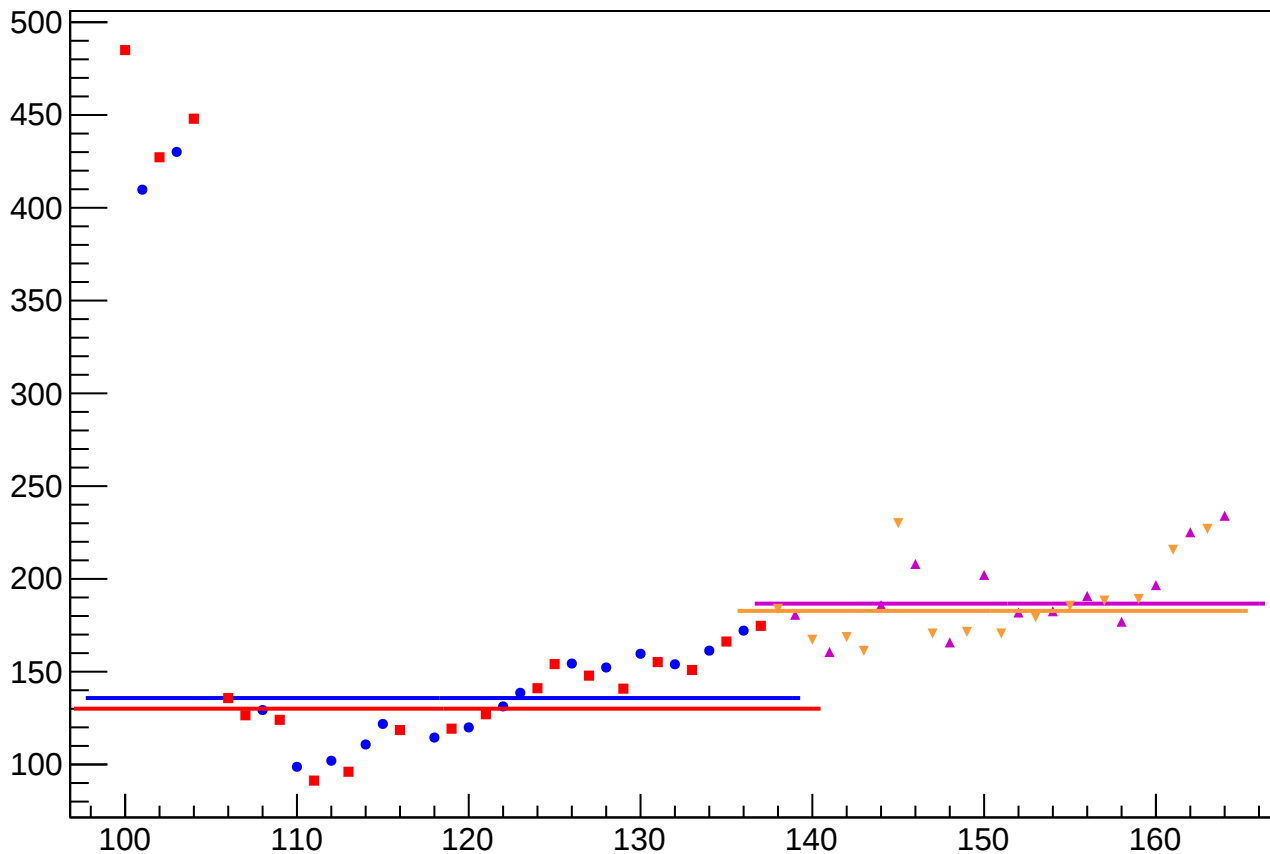
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 ± 0.057 $\chi^2/\text{NDF}: 6733230928.7/16$
 Left Out: 134432.812 ± 0.057 $\chi^2/\text{NDF}: 160527247.2/13$
 Right Out: 132037.539 ± 0.053 $\chi^2/\text{NDF}: 5882115872.9/18$
 Left In: 134306.959 ± 0.059 $\chi^2/\text{NDF}: 157065309.4/12$

+ sign 133249.177 ± 0.040 $\chi^2/\text{NDF}: 7747244056.7/16$
 All: 133143.938 ± 0.028 $\chi^2/\text{NDF}: 146273210/16$
 - sign 133043.659 ± 0.039 $\chi^2/\text{NDF}: 6866659970.5/16$

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 ± 0.040 χ^2/NDF : 1441904.9/16

Left Out: 182.772 ± 0.040 χ^2/NDF : 228006.1/13

Right Out: 130.070 ± 0.037 χ^2/NDF : 1503997.6/18

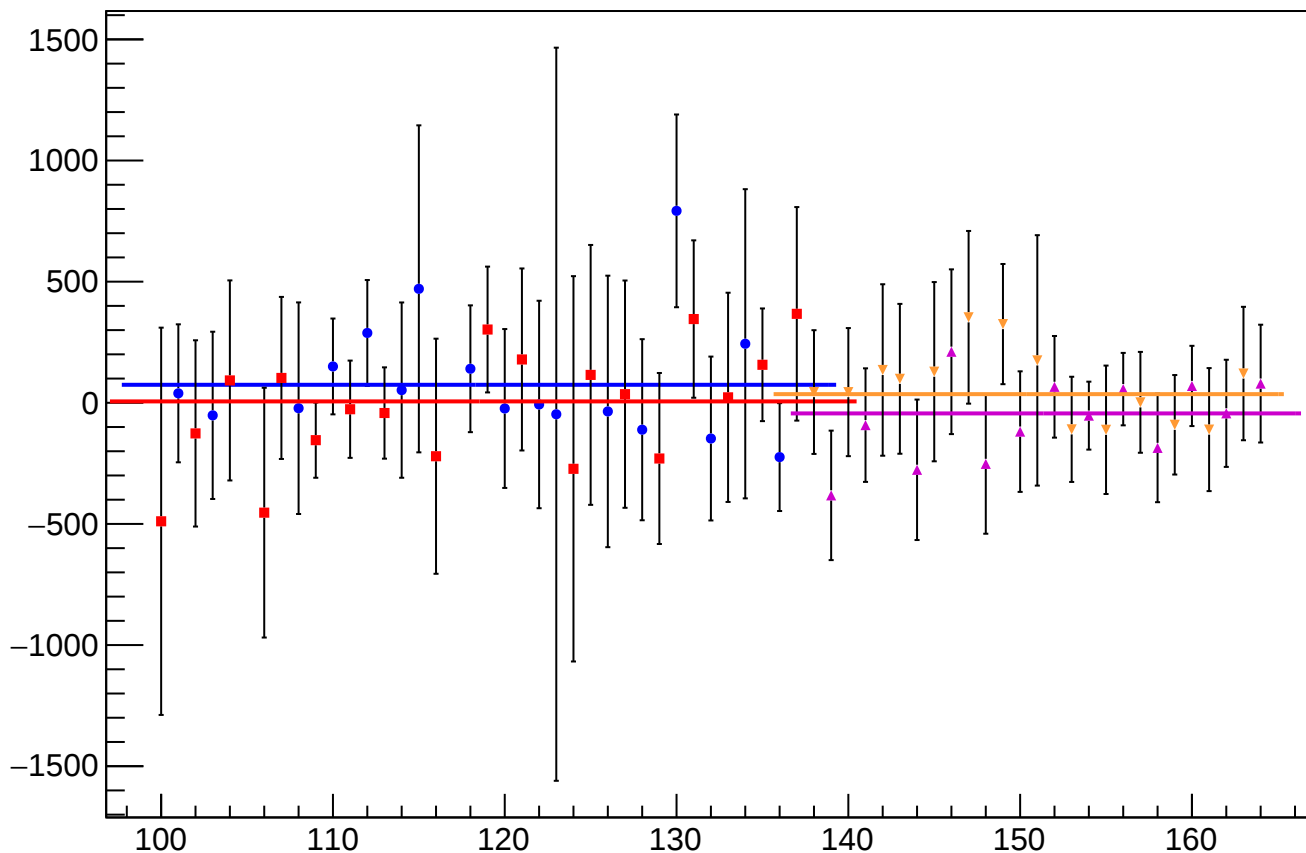
Left In: 186.685 ± 0.042 χ^2/NDF : 200886.9/12

+ sign 159.072 ± 0.028 χ^2/NDF : 2354326.4/30

All: 157.073 ± 0.020 χ^2/NDF : 5098868.8/62

- sign 155.169 ± 0.028 χ^2/NDF : 2734868.6/31

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 35.701+/-71.758 χ^2/NDF : 4.0/13

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

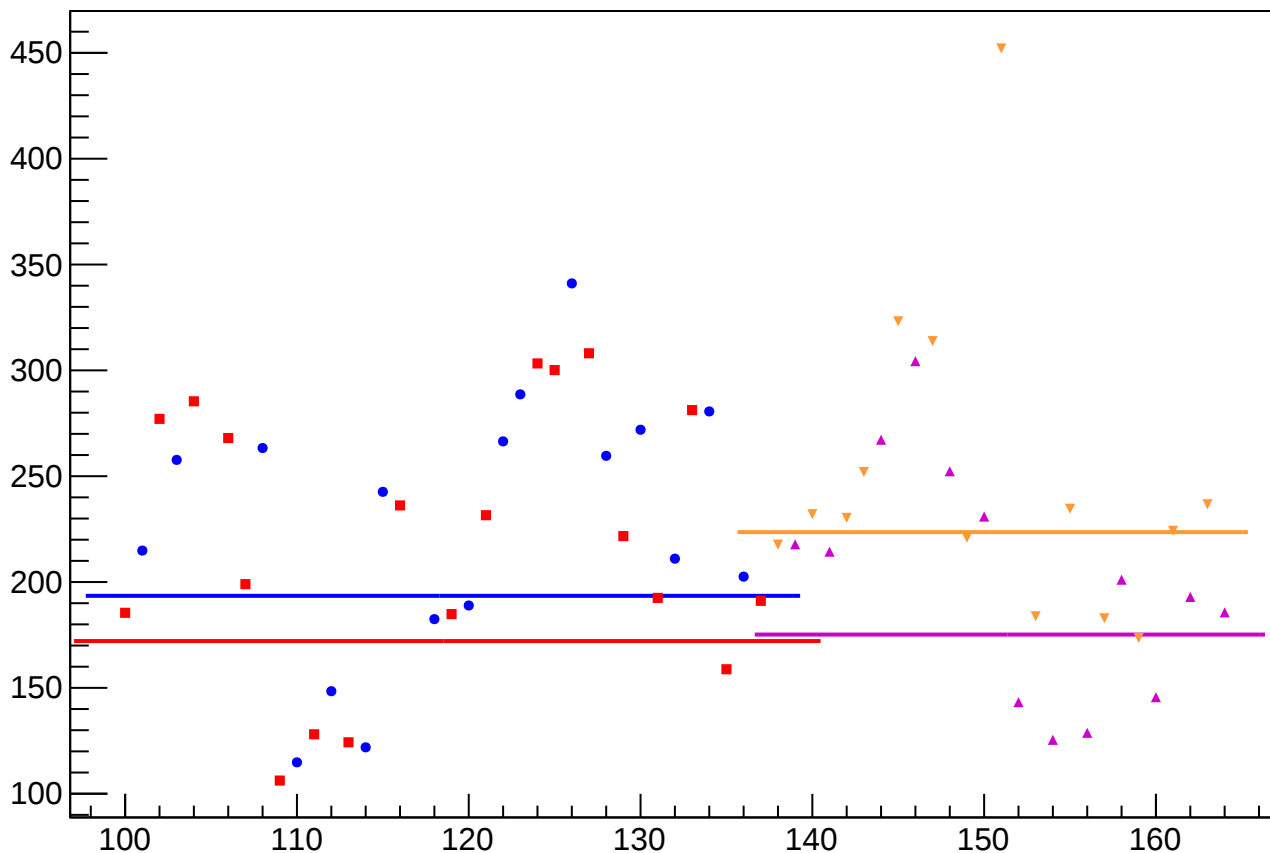
Left In: -43.838+/-58.423 χ^2/NDF : 5.3/12

+ sign 53.144+/-53.122 χ^2/NDF : 11.8/30

All: 8.411+/-34.279 χ^2/NDF : 25.8/62

- sign -23.506+/-44.872 χ^2/NDF : 12.7/31

asym_bcm_an_ds_rms vs Slug



Right In: 193.488+/-0.056 χ^2/NDF : 1017195.7/16

Left Out: 223.588+/-0.051 χ^2/NDF : 955270.8/13

Right Out: 172.122+/-0.050 χ^2/NDF : 1579840.2/18

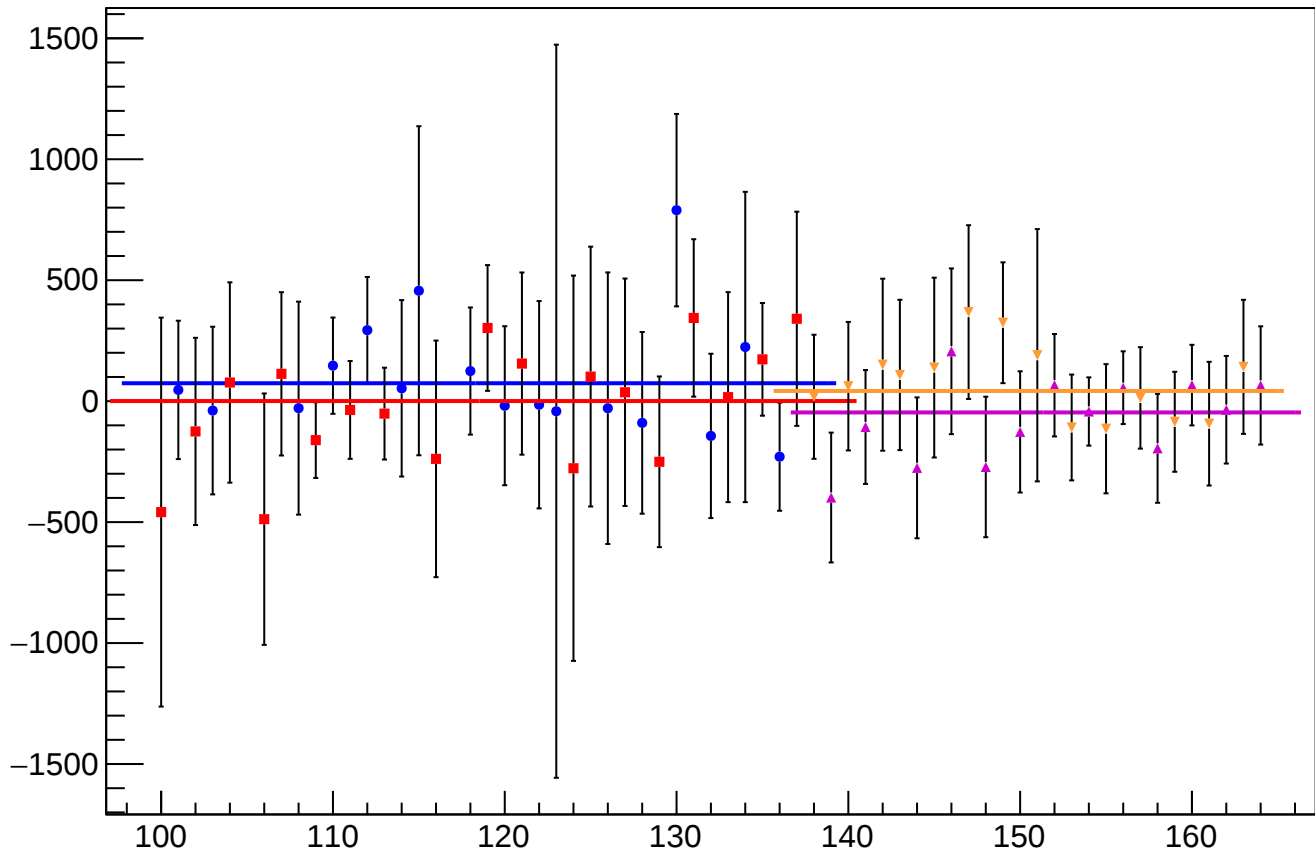
Left In: 175.183+/-0.041 χ^2/NDF : 1438615.6/12

+ sign 209.984+/-0.038 χ^2/NDF : 2131511.3/30

All: 188.942+/-0.024 χ^2/NDF : 5689925.5/62

- sign 173.928+/-0.032 χ^2/NDF : 3020707.4/31

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 42.171+/-72.218 χ^2/NDF : 4.0/13

Right Out: 0.503+/-70.437 χ^2/NDF : 7.3/18

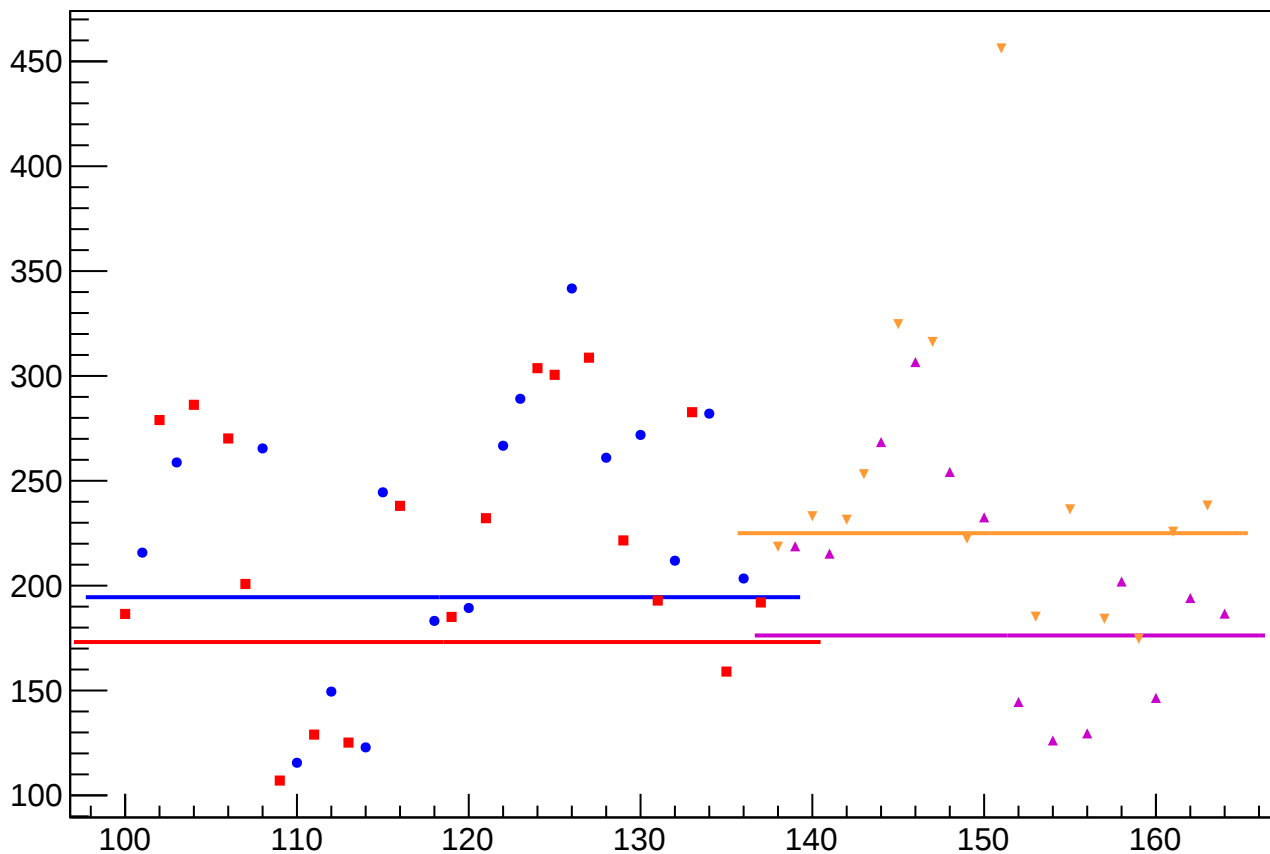
Left In: -46.645+/-58.776 χ^2/NDF : 5.5/12

+ sign 56.625+/-53.426 χ^2/NDF : 11.7/30

All: 7.651+/-34.475 χ^2/NDF : 26.2/62

- sign -27.291+/-45.128 χ^2/NDF : 13.1/31

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 225.016 $\pm$ 0.051 χ^2 /NDF: 954793.4/13

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

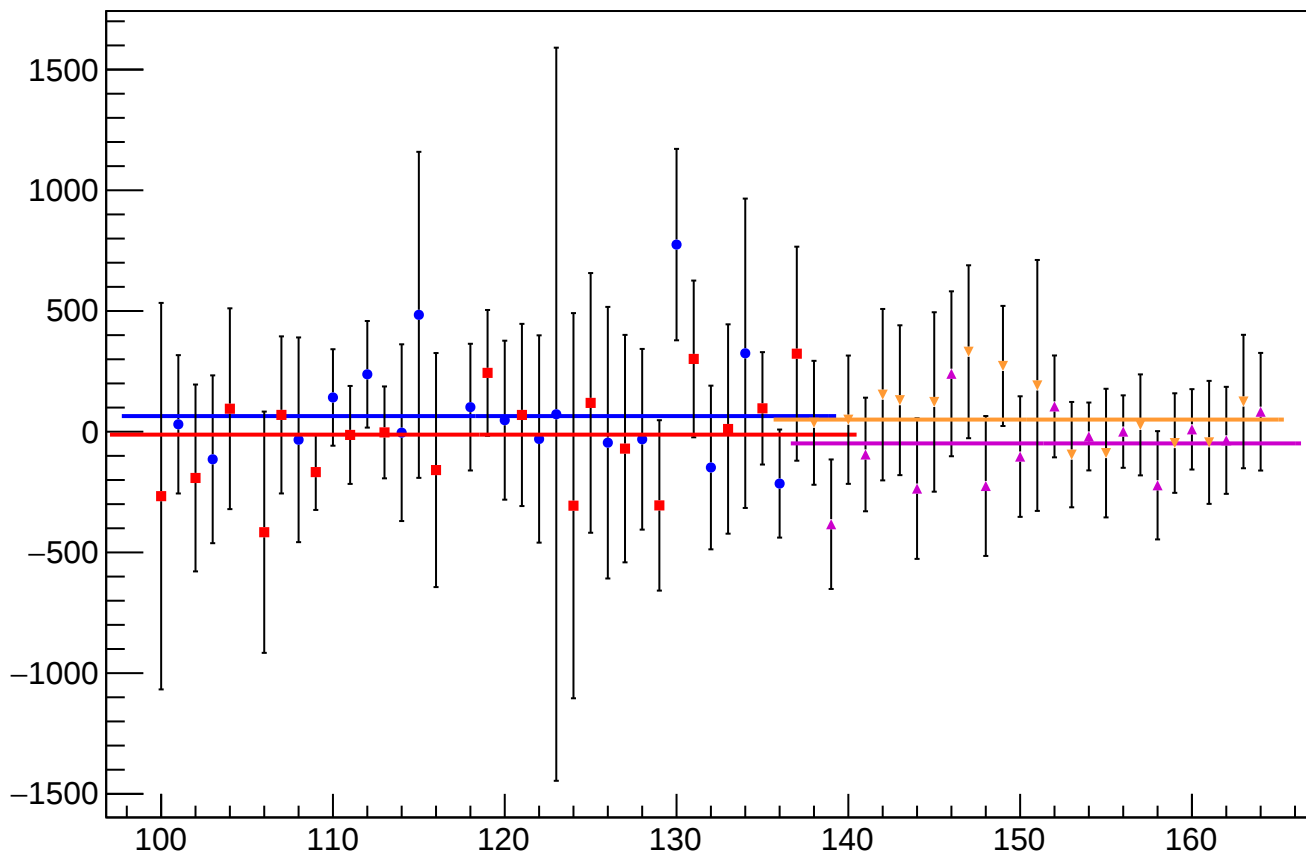
Left In: 176.242 $\pm$ 0.042 χ^2 /NDF: 1436537.2/12

+ sign 211.199 $\pm$ 0.038 χ^2 /NDF: 2125011.6/30

All: 190.048 $\pm$ 0.024 χ^2 /NDF: 5668374.6/62

- sign 174.957 $\pm$ 0.032 χ^2 /NDF: 3006240.8/31

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 50.277 ± 72.064 χ^2/NDF : 2.8/13

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

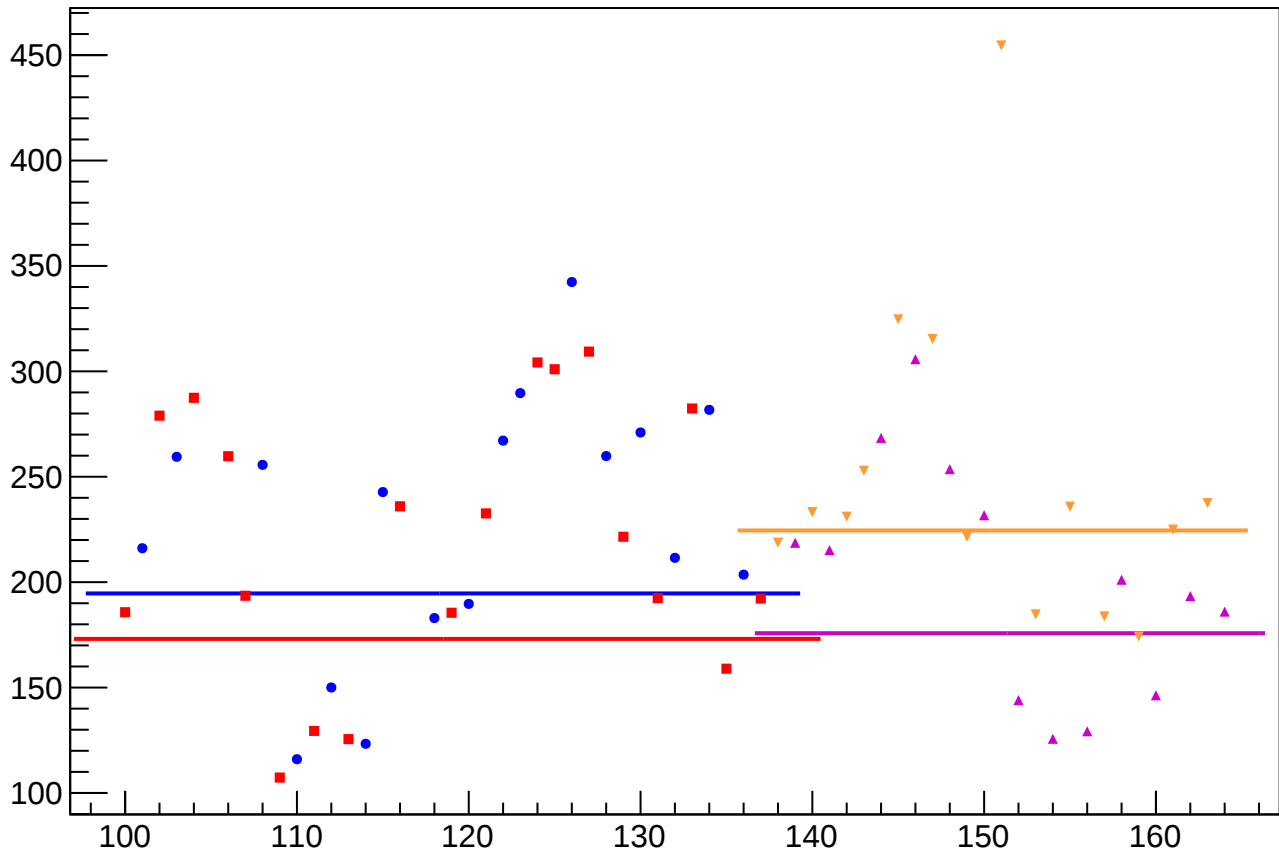
Left In: -48.416 ± 58.630 χ^2/NDF : 4.8/12

+ sign 56.807 ± 53.362 χ^2/NDF : 9.9/30

All: 4.054 ± 34.420 χ^2/NDF : 22.4/62

- sign -33.531 ± 45.042 χ^2/NDF : 10.8/31

asym_bcm_an_us_rms vs Slug



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 224.529 $\pm$ 0.051 χ^2 /NDF: 956210.6/13

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

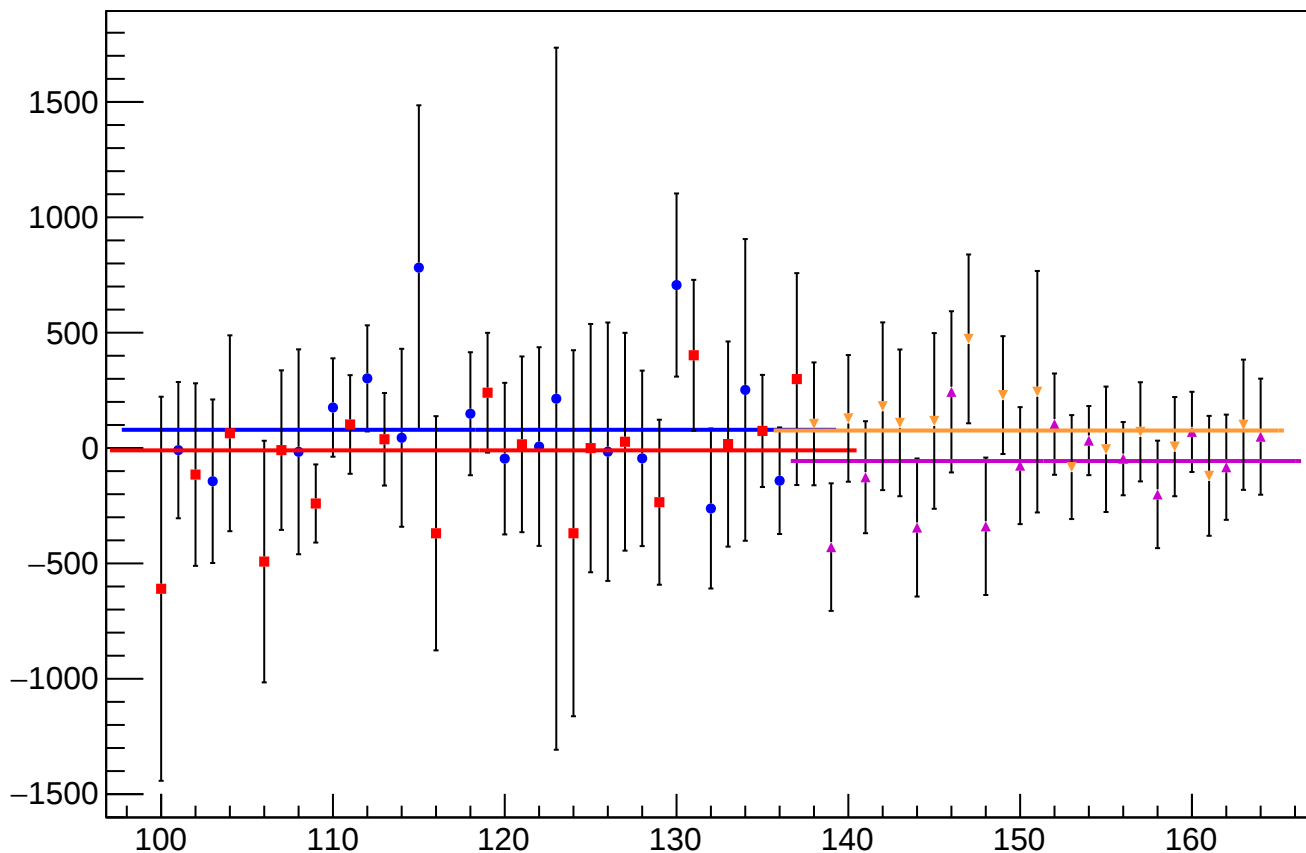
Left In: 175.790 $\pm$ 0.041 χ^2 /NDF: 1439733.8/12

+ sign 211.034 $\pm$ 0.038 χ^2 /NDF: 2098284.5/30

All: 189.807 $\pm$ 0.024 χ^2 /NDF: 5626250.0/62

- sign 174.683 $\pm$ 0.032 χ^2 /NDF: 2986014.7/31

asym_bcm_dg_us_mean vs Slug



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 75.991+/-74.104 χ^2/NDF : 3.1/13

Right Out: -9.982+/-73.310 χ^2/NDF : 7.9/18

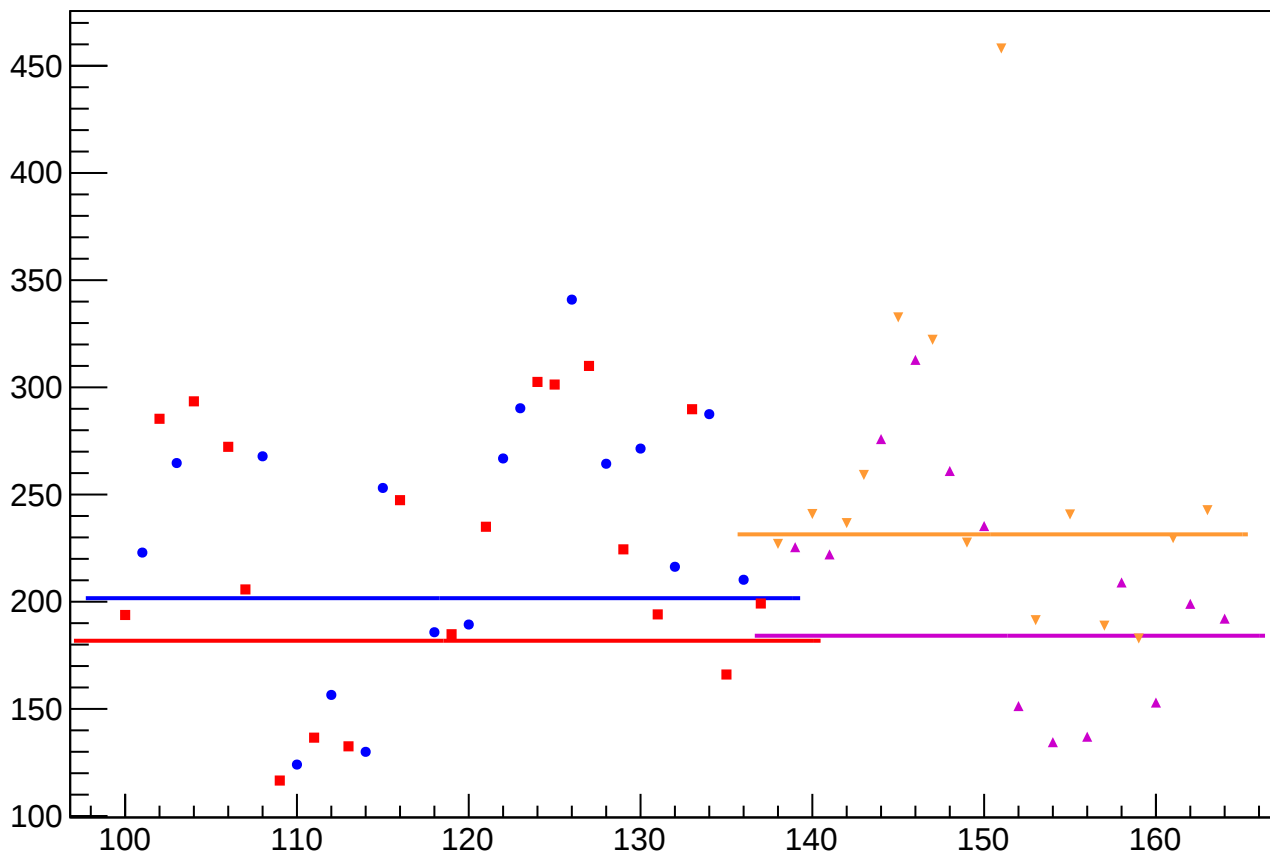
Left In: -56.211+/-61.094 χ^2/NDF : 6.5/12

+ sign 77.404+/-54.942 χ^2/NDF : 10.6/30

All: 11.111+/-35.686 χ^2/NDF : 27.7/62

- sign -37.264+/-46.933 χ^2/NDF : 14.6/31

asym_bcm_dg_us_rms vs Slug



Right In: 201.654+/-0.058 χ^2/NDF : 883179.7/16

Left Out: 231.429+/-0.052 χ^2/NDF : 908118.5/13

Right Out: 181.797+/-0.052 χ^2/NDF : 1377449.9/18

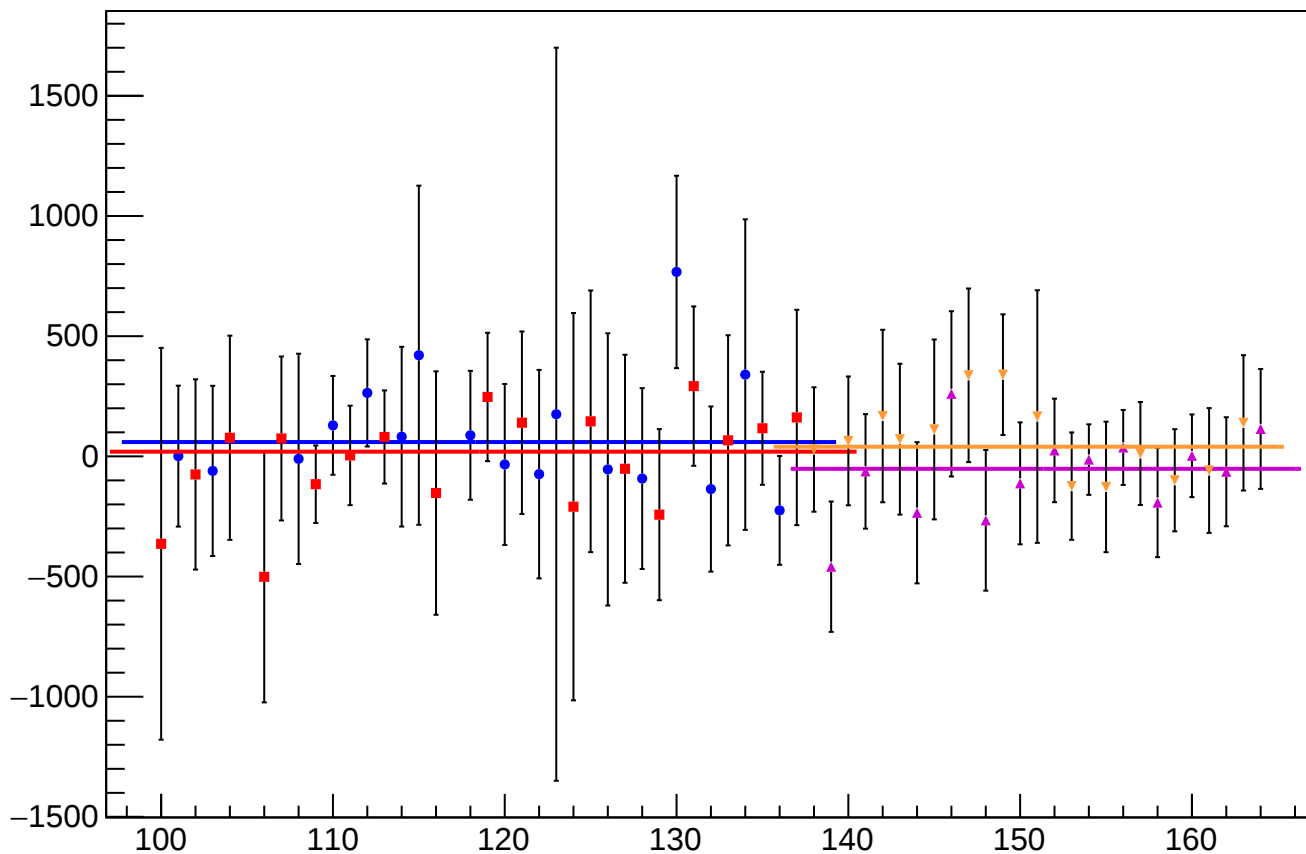
Left In: 184.141+/-0.043 χ^2/NDF : 1306145.4/12

+ sign 218.021+/-0.039 χ^2/NDF : 1936692.9/30

All: 197.879+/-0.025 χ^2/NDF : 5086457.0/62

- sign 183.181+/-0.033 χ^2/NDF : 2684801.9/31

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 $\pm$ 80.808 χ^2 /NDF: 7.0/16

Left Out: 40.127 $\pm$ 73.312 χ^2 /NDF: 4.0/13

Right Out: 19.541 $\pm$ 71.866 χ^2 /NDF: 4.7/18

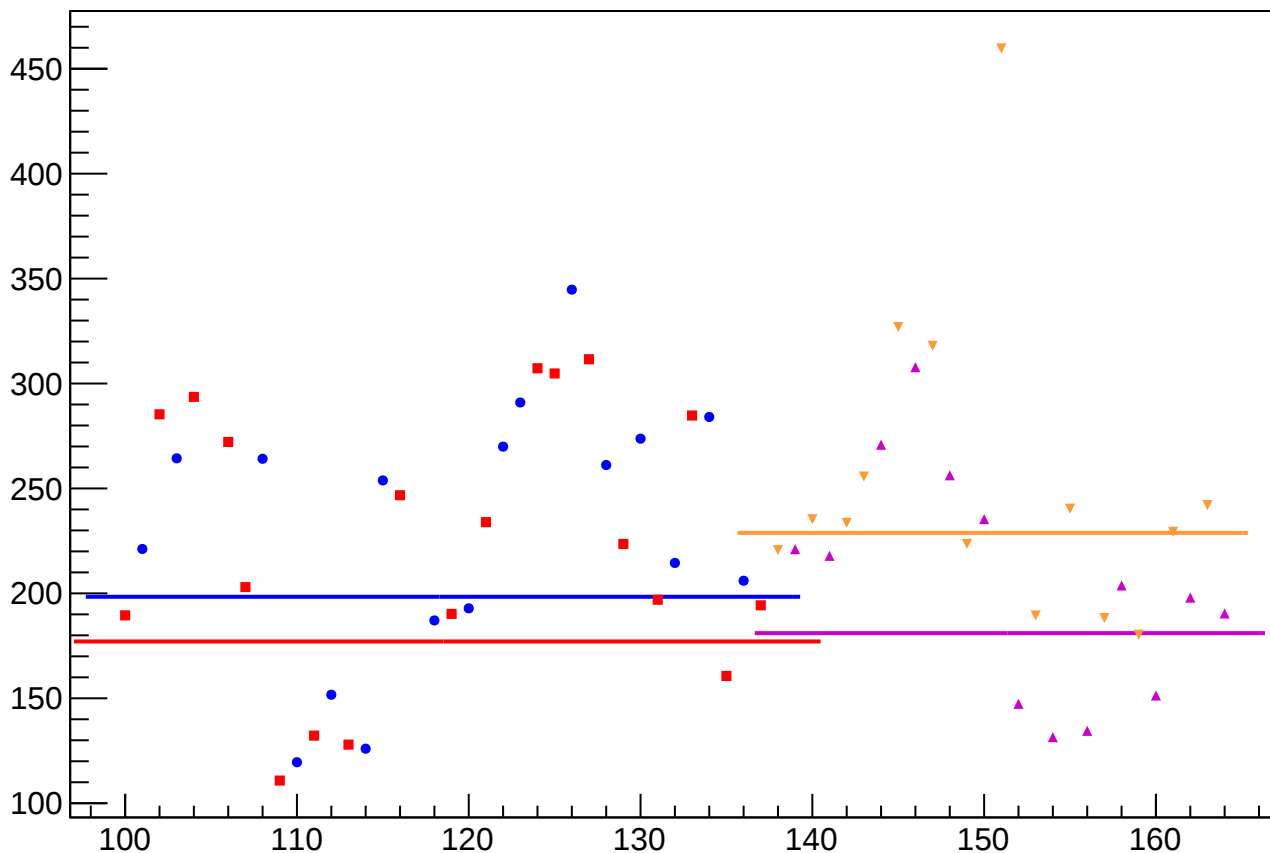
Left In: -51.892 $\pm$ 60.159 χ^2 /NDF: 5.5/12

+ sign 48.872 $\pm$ 54.297 χ^2 /NDF: 11.0/30

All: 7.443 $\pm$ 35.155 χ^2 /NDF: 22.8/62

- sign -22.460 $\pm$ 46.130 χ^2 /NDF: 10.8/31

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378+/-0.057 χ^2/NDF : 963672.6/16

Left Out: 228.813+/-0.052 χ^2/NDF : 910459.6/13

Right Out: 177.096+/-0.051 χ^2/NDF : 1524763.6/18

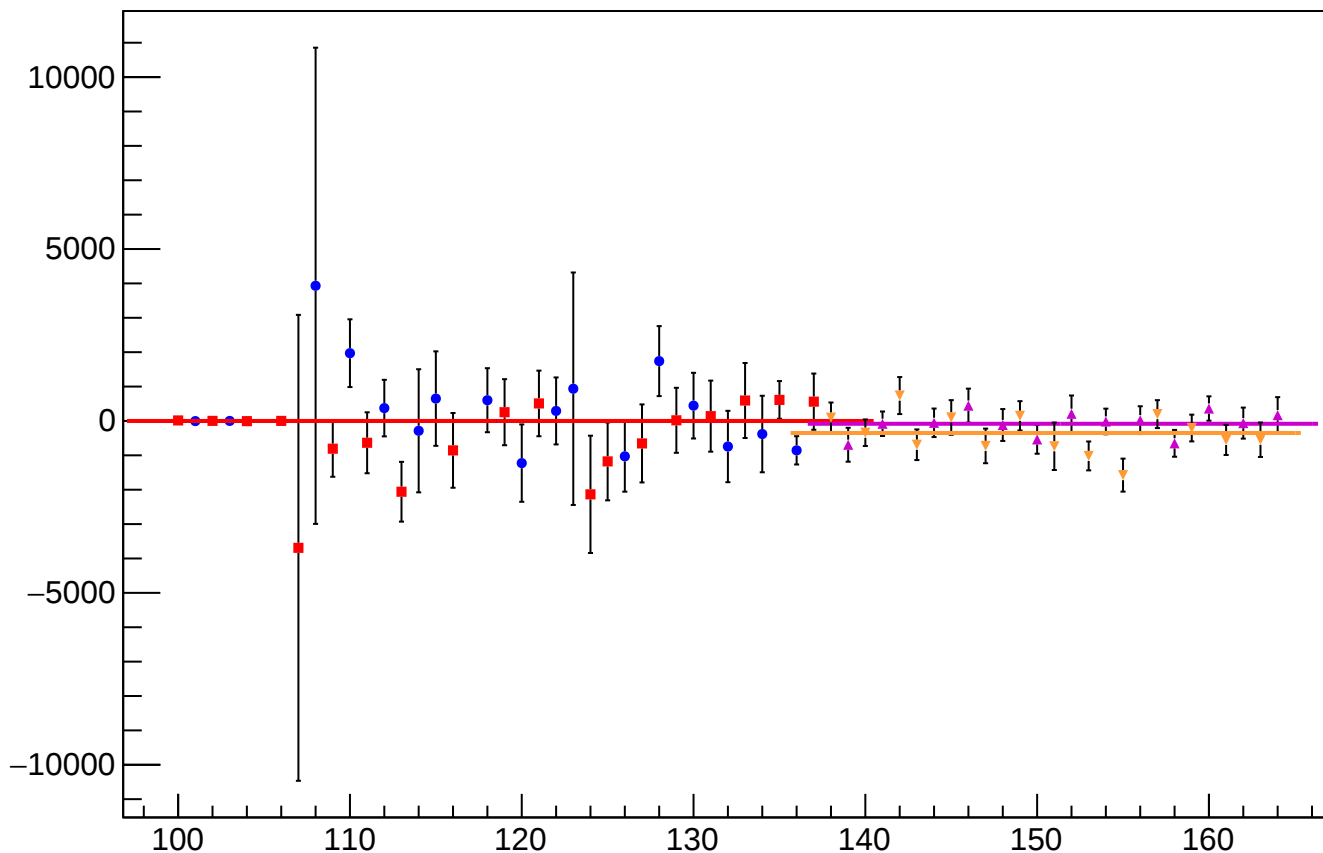
Left In: 181.059+/-0.043 χ^2/NDF : 1323030.8/12

+ sign 215.072+/-0.038 χ^2/NDF : 2029744.5/30

All: 194.370+/-0.025 χ^2/NDF : 5381750.6/62

- sign 179.426+/-0.033 χ^2/NDF : 2851371.2/31

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -350.309 ± 121.466 χ^2/NDF : 20.1/13

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

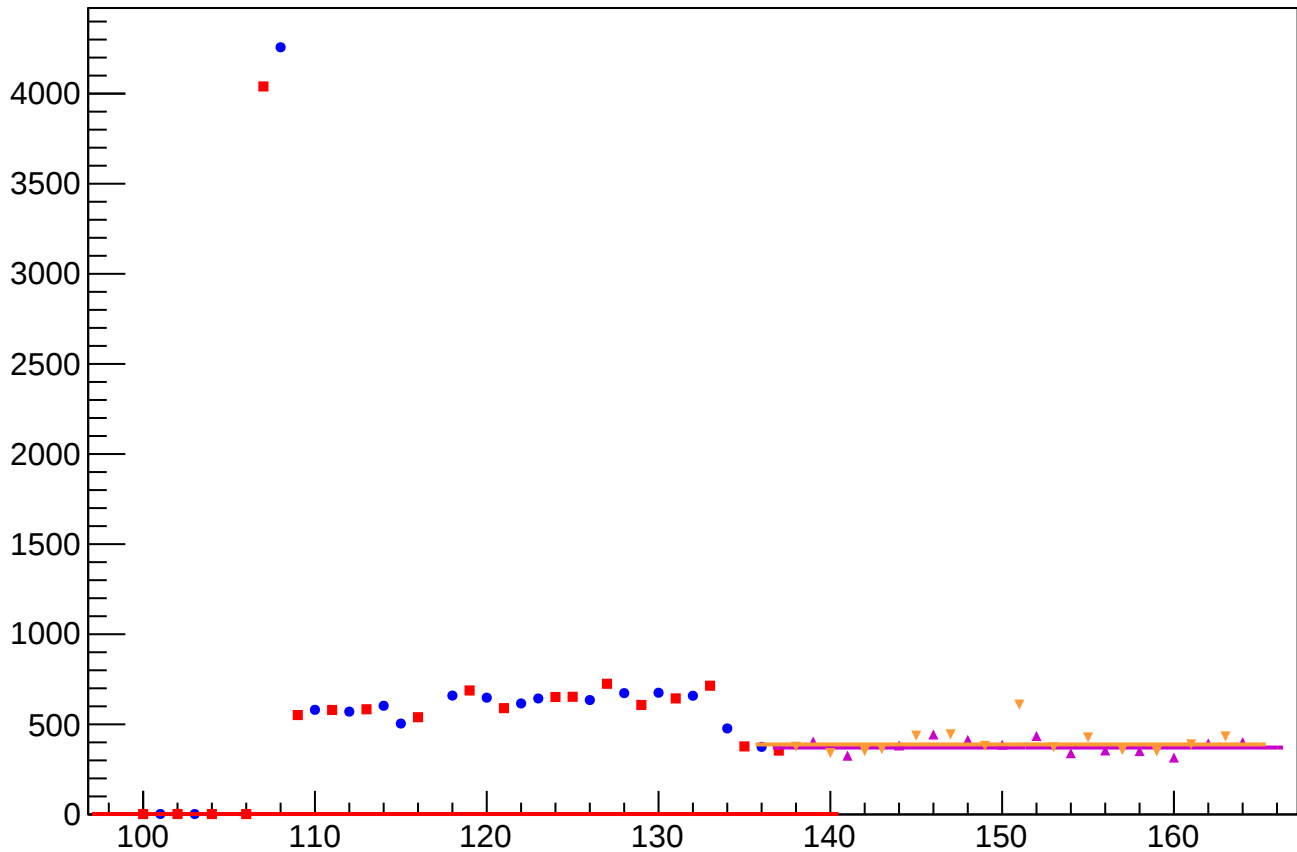
Left In: -82.443 ± 117.673 χ^2/NDF : 8.2/12

+ sign -1.649 ± 2.251 χ^2/NDF : 45.3/30

All: -1.172 ± 1.540 χ^2/NDF : 73.4/62

- sign -0.753 ± 2.111 χ^2/NDF : 28.0/31

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 388.554+/-0.086 χ^2/NDF : 360069.0/13

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

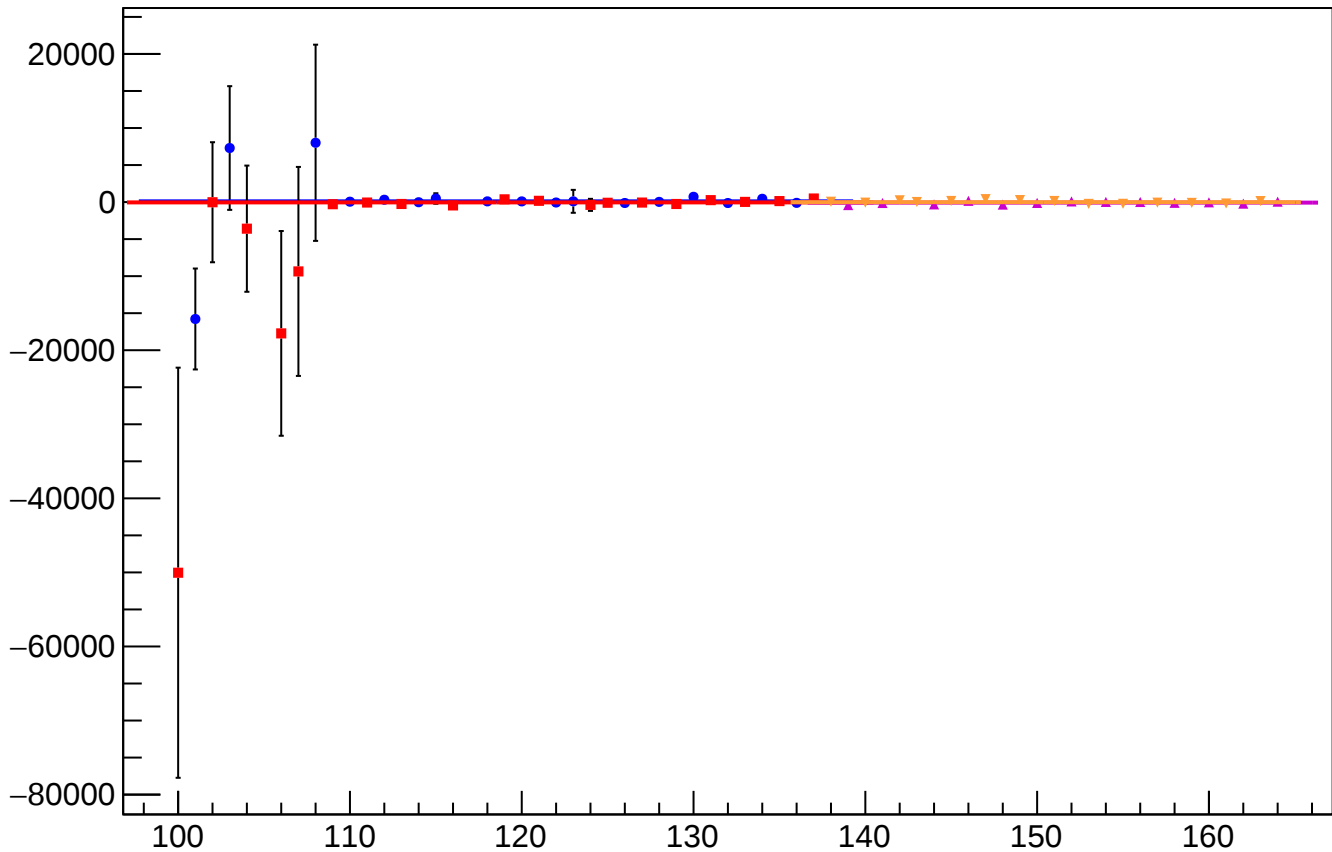
Left In: 371.335+/-0.083 χ^2/NDF : 218264.0/12

+ sign 2.589+/-0.002 χ^2/NDF : 31408507.5/30

All: 2.571+/-0.001 χ^2/NDF : 62423614.6/62

- sign 2.555+/-0.001 χ^2/NDF : 31014866.8/31

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -12.469+/-77.319 χ^2/NDF : 5.5/13

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

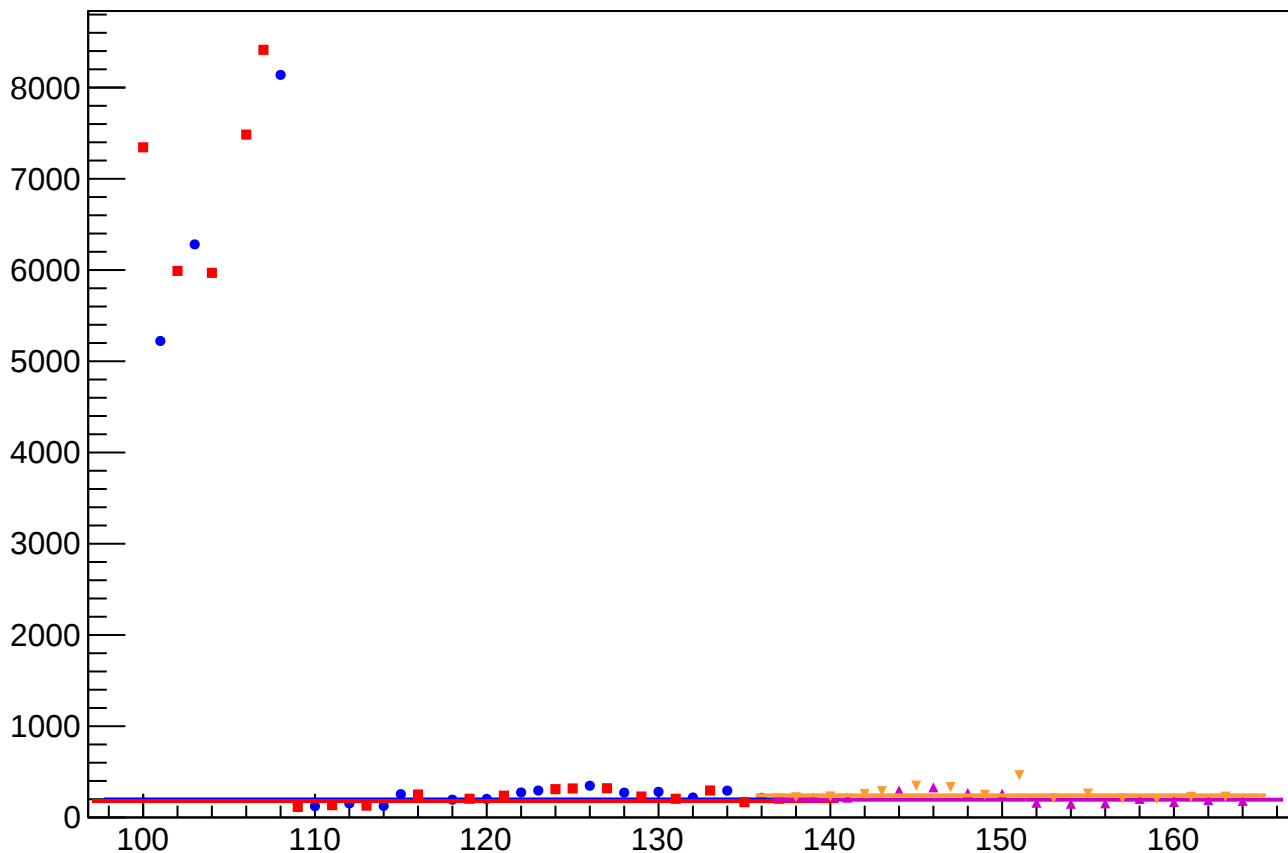
Left In: -72.655+/-64.143 χ^2/NDF : 5.1/12

+ sign 34.199+/-58.884 χ^2/NDF : 18.2/30

All: -20.433+/-38.589 χ^2/NDF : 38.8/62

- sign -61.558+/-51.089 χ^2/NDF : 19.1/31

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 242.345+/-0.055 χ^2/NDF : 824301.2/13

Right Out: 179.949+/-0.060 χ^2/NDF : 4321173.8/18

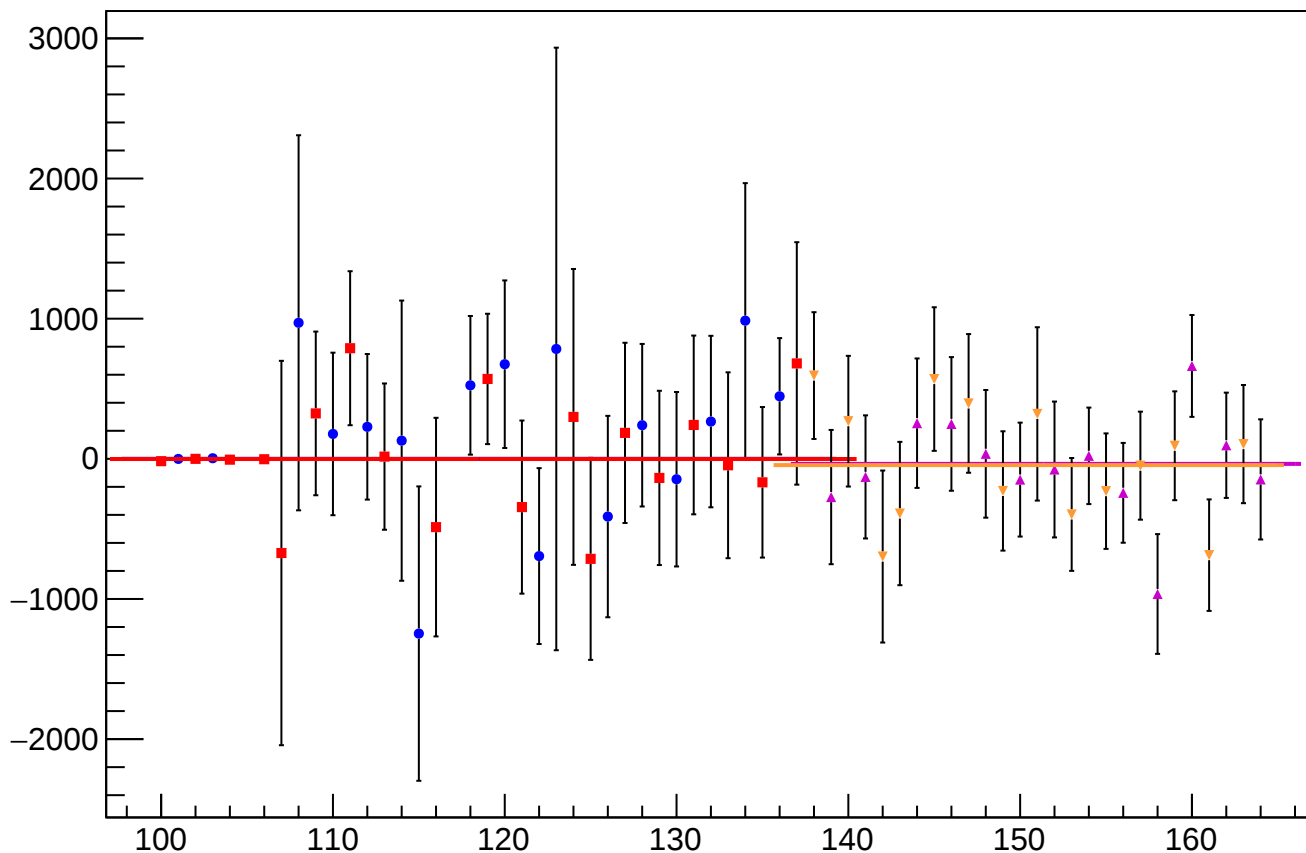
Left In: 194.858+/-0.045 χ^2/NDF : 1057933.1/12

+ sign 223.336+/-0.042 χ^2/NDF : 4805742.0/30

All: 203.979+/-0.027 χ^2/NDF : 10603165.2/62

- sign 189.408+/-0.036 χ^2/NDF : 5418609.8/31

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -44.923 ± 120.079 χ^2/NDF : 10.6/13

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

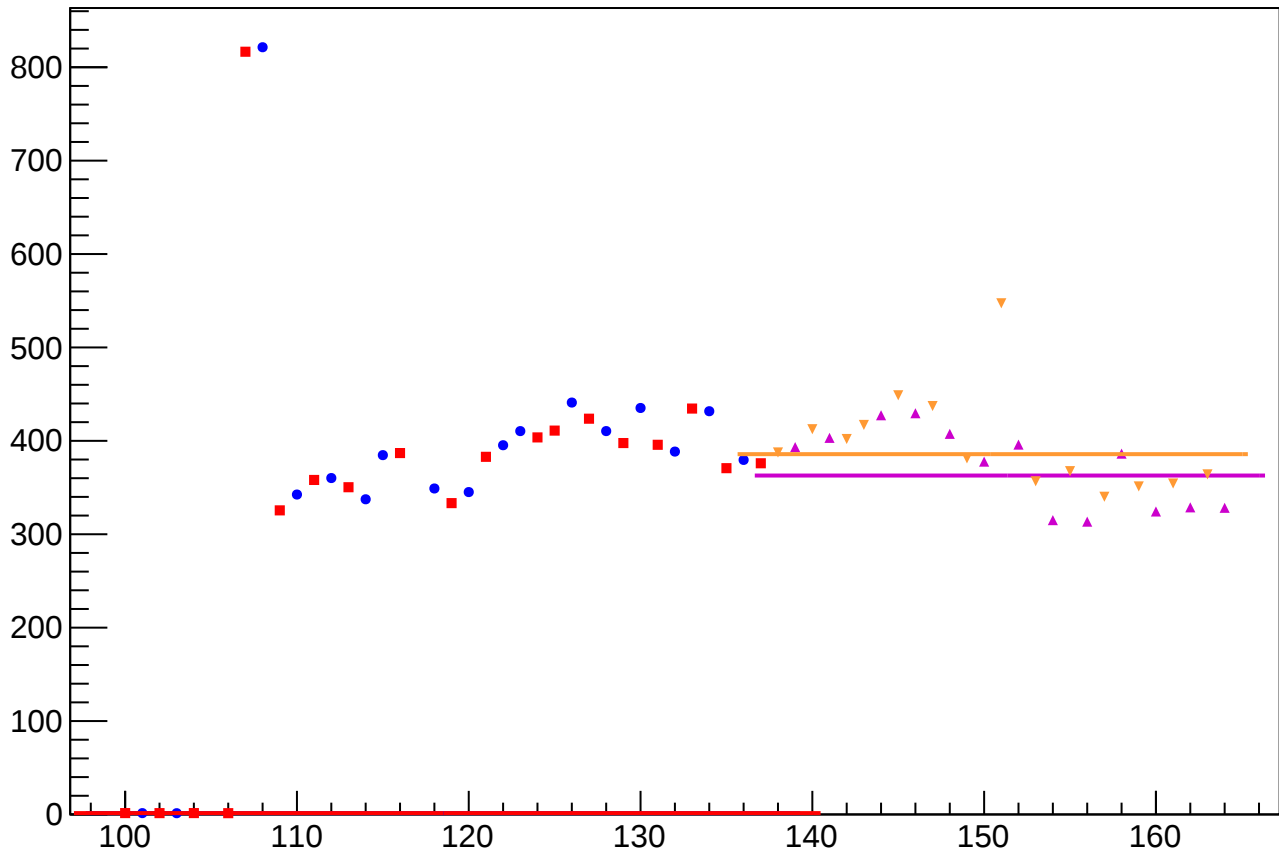
Left In: -36.097 ± 114.963 χ^2/NDF : 10.1/12

+ sign -0.147 ± 1.736 χ^2/NDF : 20.5/30

All: -0.779 ± 1.185 χ^2/NDF : 40.6/62

- sign -1.330 ± 1.622 χ^2/NDF : 19.8/31

asym_cav4dQ_rms vs Slug



Right In: 1.453 ± 0.001 χ^2/NDF : 10957986.8/16

Left Out: 385.750 ± 0.085 χ^2/NDF : 279945.5/13

Right Out: 1.451 ± 0.001 χ^2/NDF : 10880737.7/18

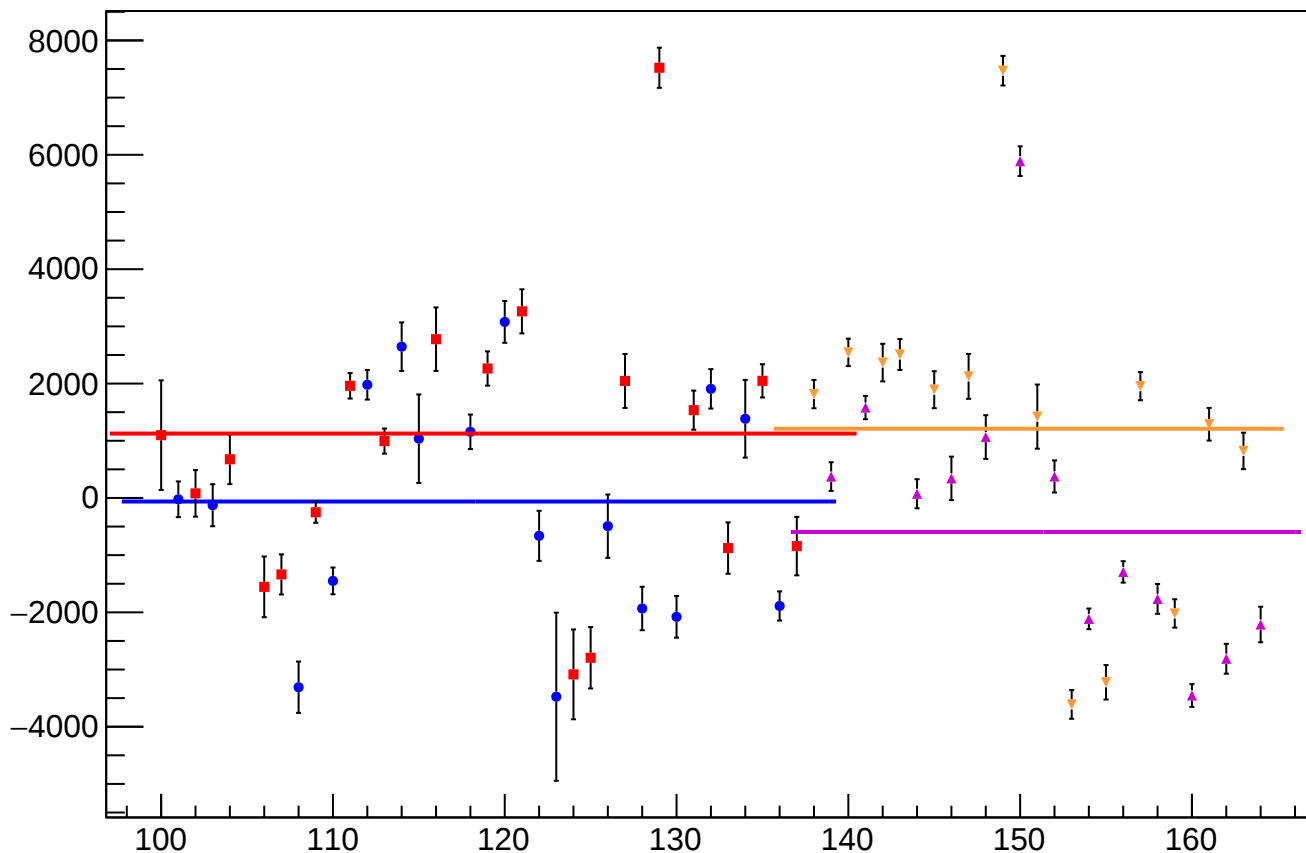
Left In: 362.862 ± 0.081 χ^2/NDF : 269175.1/12

+ sign 1.533 ± 0.001 χ^2/NDF : 31718361.1/30

All: 1.528 ± 0.001 χ^2/NDF : 62630236.1/62

- sign 1.523 ± 0.001 χ^2/NDF : 30911838.5/31

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 1210.663 ± 76.131 $\chi^2/\text{NDF}: 1432.3/13$

Right Out: 1125.437 ± 78.370 $\chi^2/\text{NDF}: 671.2/18$

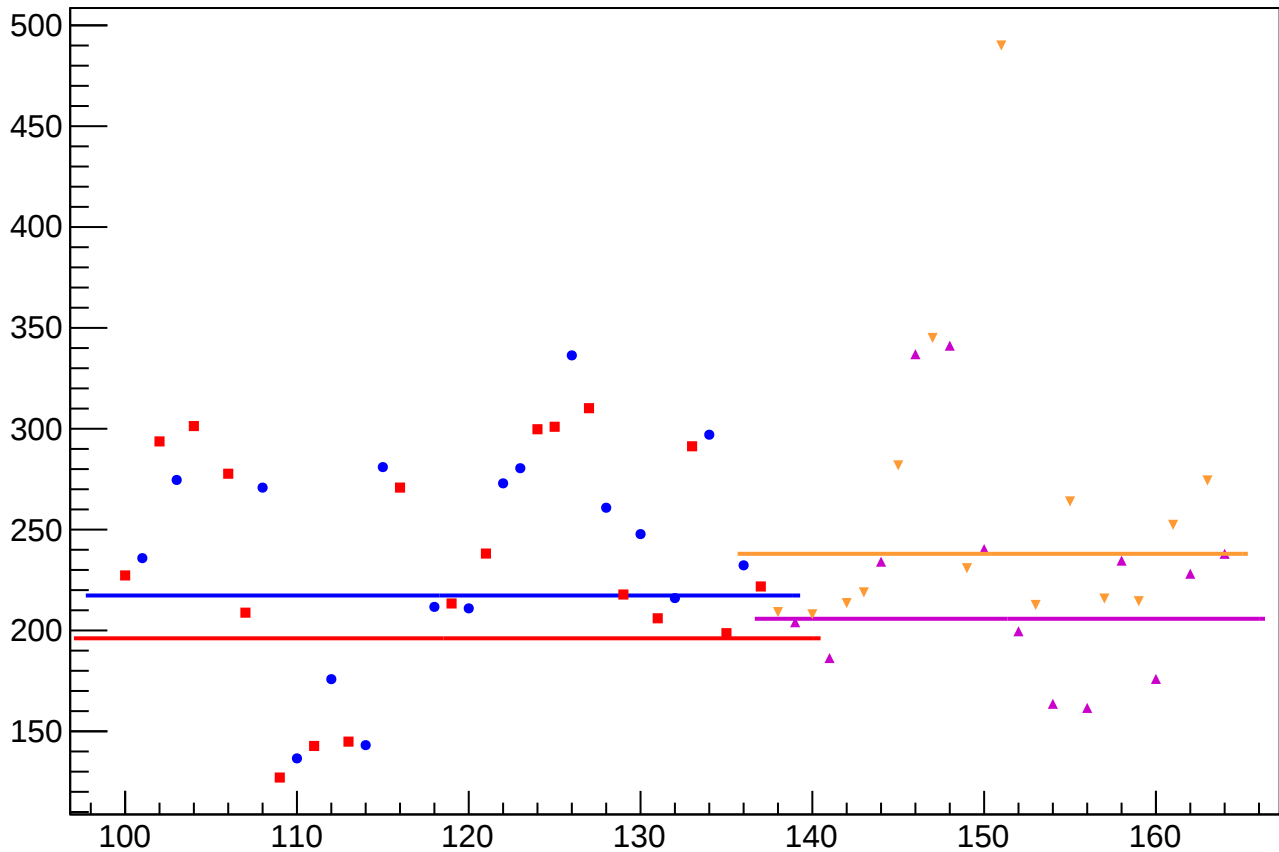
Left In: -594.693 ± 67.303 $\chi^2/\text{NDF}: 1206.7/12$

+ sign 661.716 ± 57.413 $\chi^2/\text{NDF}: 1986.8/30$

All: 367.860 ± 38.154 $\chi^2/\text{NDF}: 4188.9/62$

- sign 135.449 ± 51.059 $\chi^2/\text{NDF}: 2155.2/31$

asym_bcm0l02_rms vs Slug



Right In: 217.330 ± 0.062 $\chi^2/NDF: 652722.5/16$

Left Out: 238.003 ± 0.054 $\chi^2/NDF: 770580.1/13$

Right Out: 196.105 ± 0.055 $\chi^2/NDF: 1190733.6/18$

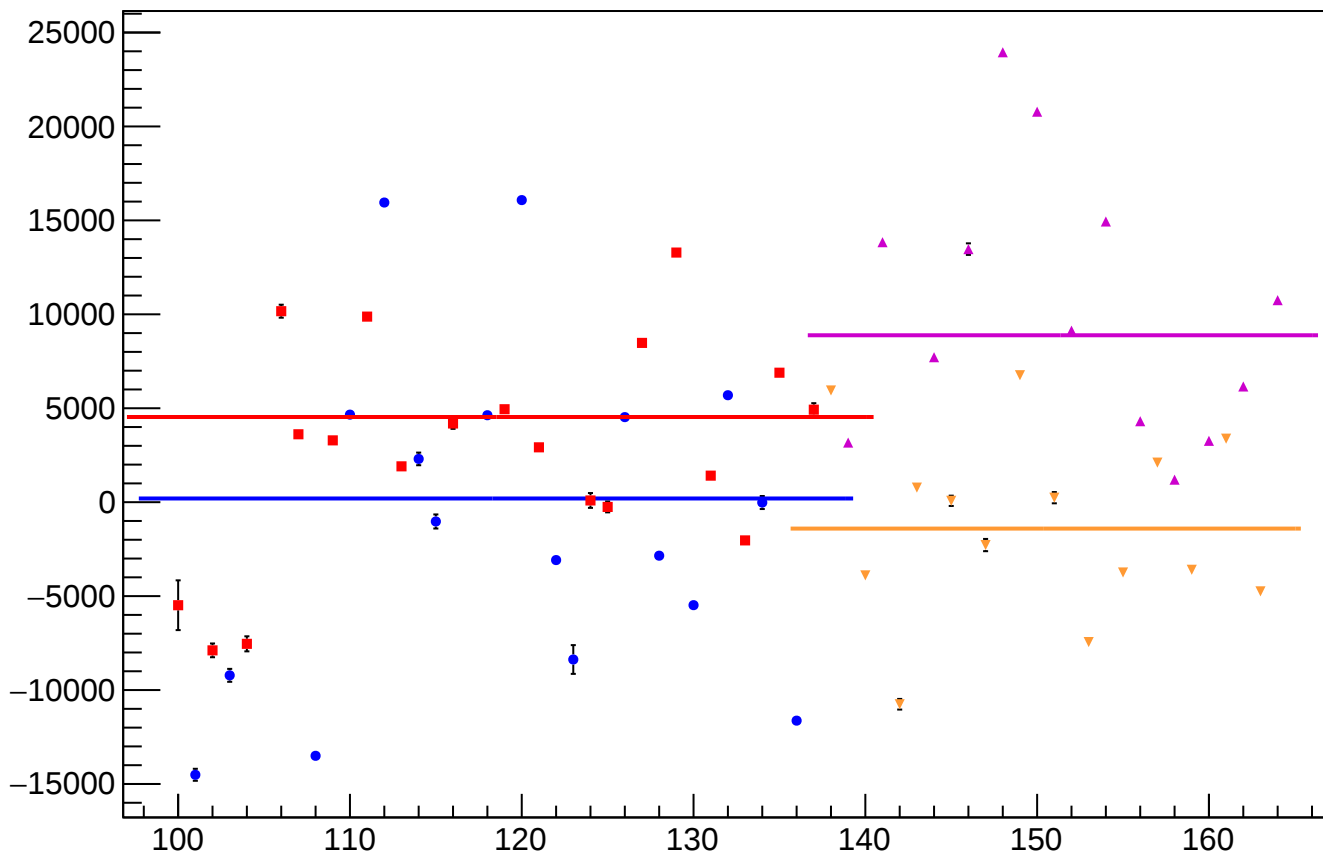
Left In: 205.791 ± 0.048 $\chi^2/NDF: 894893.6/12$

+ sign 229.087 ± 0.041 $\chi^2/NDF: 1486908.4/30$

All: 213.783 ± 0.027 $\chi^2/NDF: 3844614.1/62$

- sign 201.680 ± 0.036 $\chi^2/NDF: 2103209.0/31$

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -1405.497+/-53.485 χ^2/NDF : 7572.5/13

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

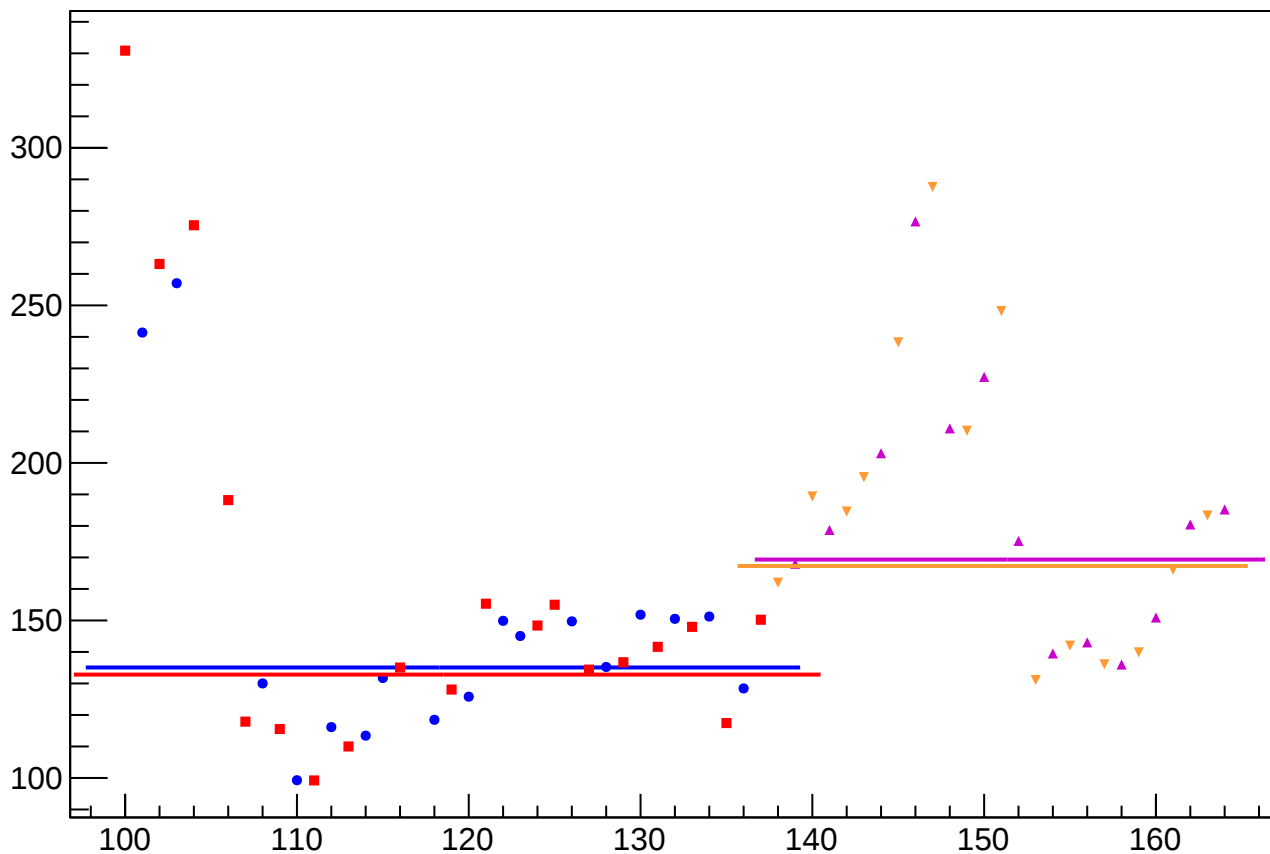
Left In: 8884.817+/-54.906 χ^2/NDF : 14070.4/12

+ sign -623.678+/-38.276 χ^2/NDF : 38668.8/30

All: 3026.140+/-26.942 χ^2/NDF : 81521.1/62

- sign 6610.496+/-37.931 χ^2/NDF : 24829.8/31

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 167.280+/-0.038 χ^2/NDF :1000747.6/13

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

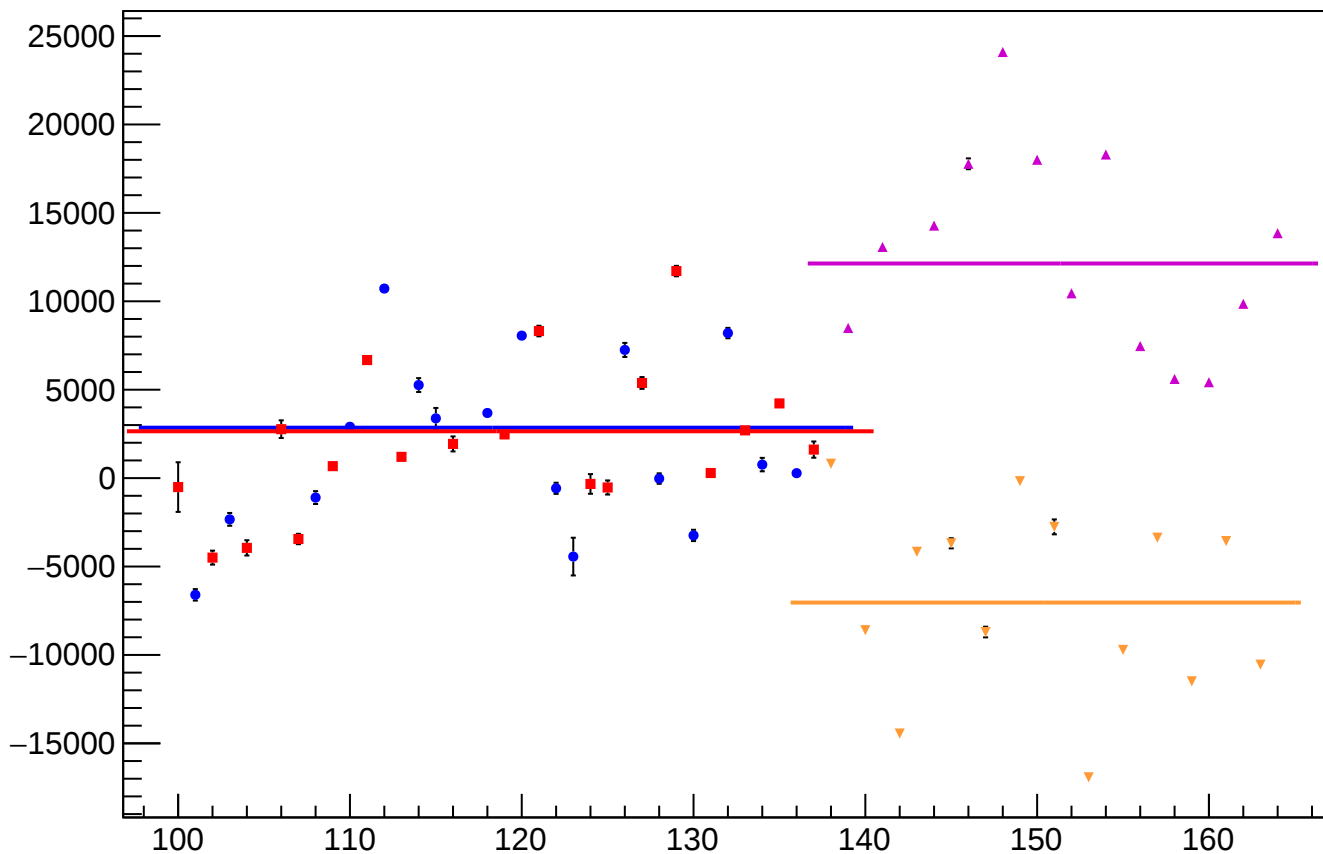
Left In: 169.328+/-0.039 χ^2/NDF :729200.0/12

+ sign 151.566+/-0.027 χ^2/NDF : 2013286.1/30

All: 150.898+/-0.019 χ^2/NDF : 4037221.3/62

- sign 150.241+/-0.027 χ^2/NDF : 2022725.7/31

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -7038.282+/-61.599 χ^2/NDF : 7653.4/13

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

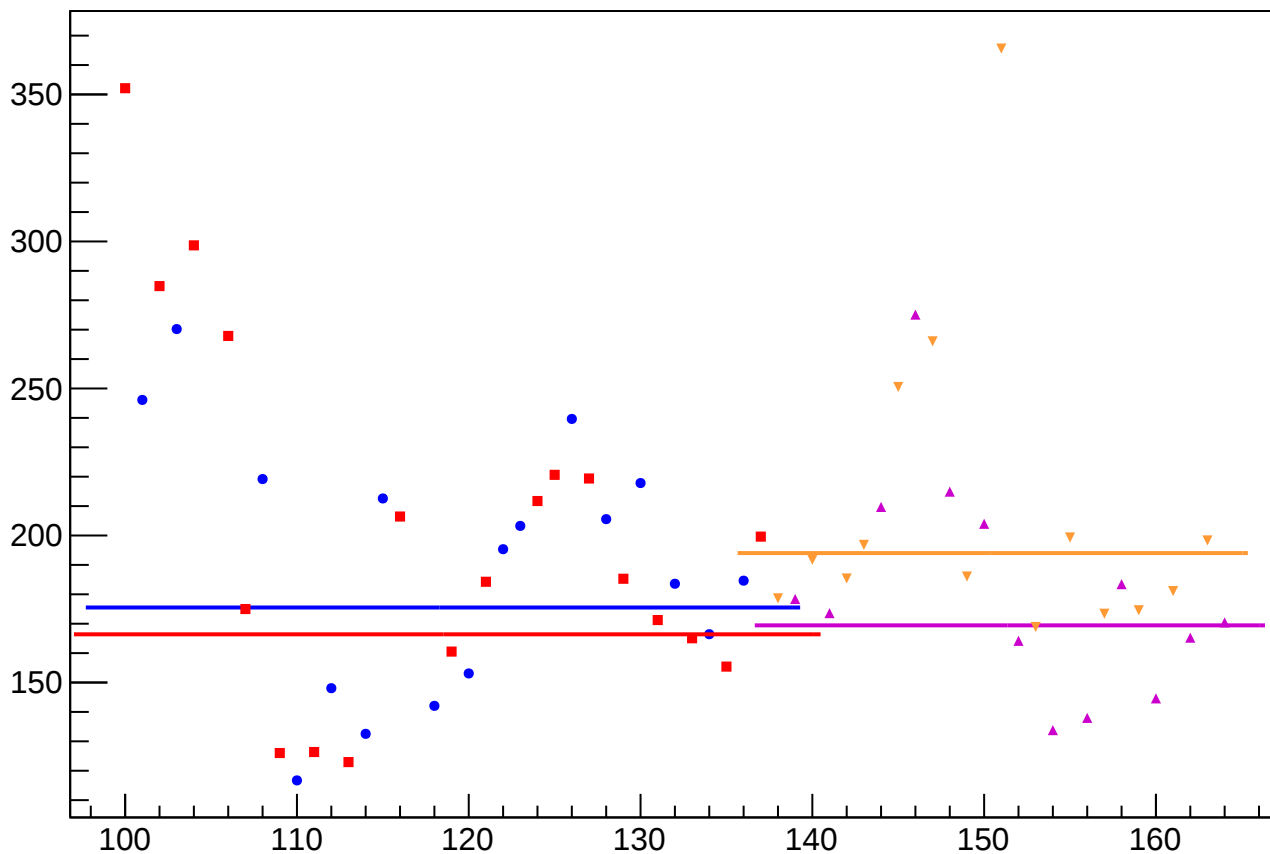
Left In: 12137.628+/-55.000 χ^2/NDF : 9418.8/12

+ sign -2774.208+/-46.459 χ^2/NDF : 22945.4/30

All: 3257.755+/-31.230 χ^2/NDF : 78549.5/62

- sign 8230.127+/-42.181 χ^2/NDF : 24851.1/31

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 ± 0.050 χ^2/NDF : 689642.3/16

Left Out: 194.027 ± 0.044 χ^2/NDF : 620297.7/13

Right Out: 166.393 ± 0.046 χ^2/NDF : 929534.5/18

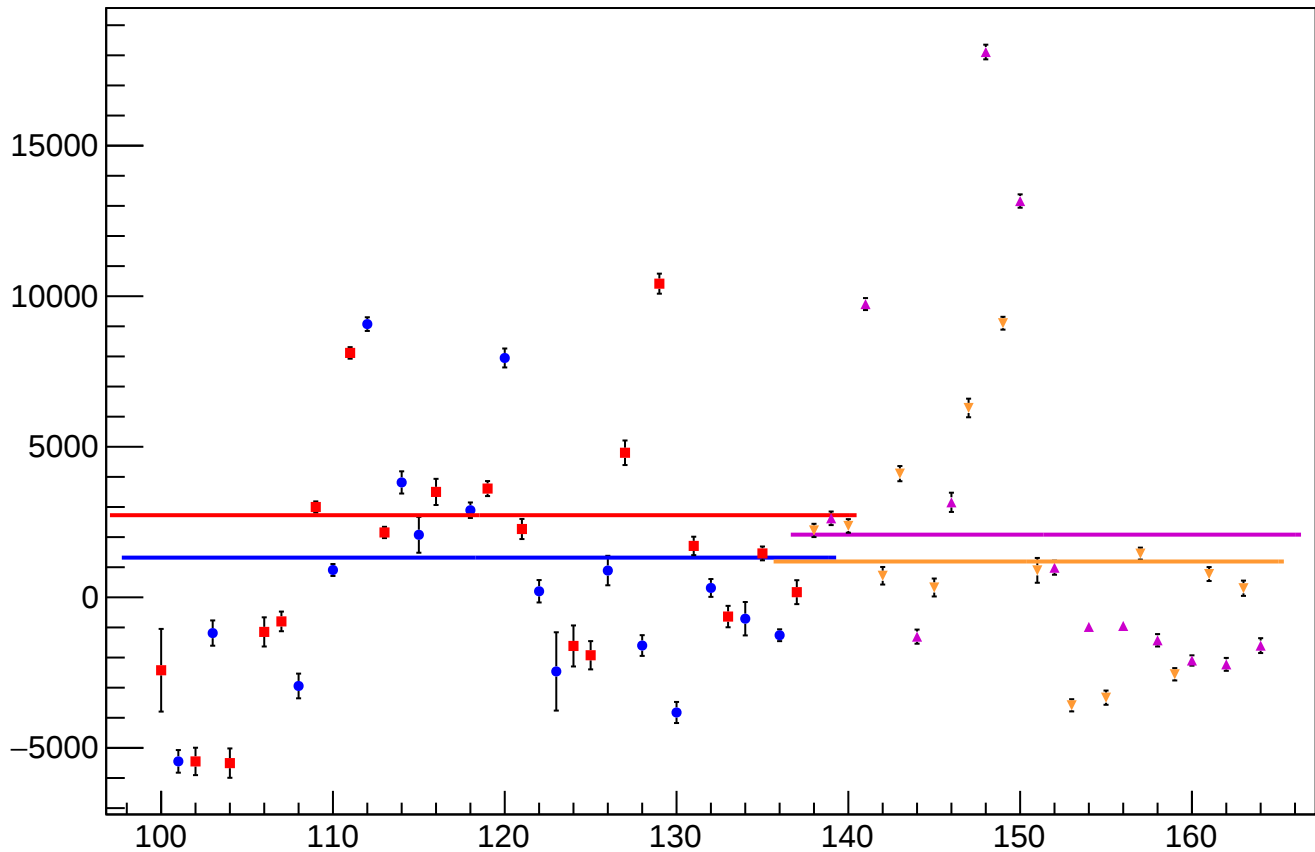
Left In: 169.441 ± 0.039 χ^2/NDF : 675401.2/12

+ sign 186.045 ± 0.033 χ^2/NDF : 1387829.5/30

All: 176.255 ± 0.022 χ^2/NDF : 3157302.8/62

- sign 168.185 ± 0.030 χ^2/NDF : 1607464.7/31

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1190.162+/-64.203 χ^2/NDF : 3116.6/13

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

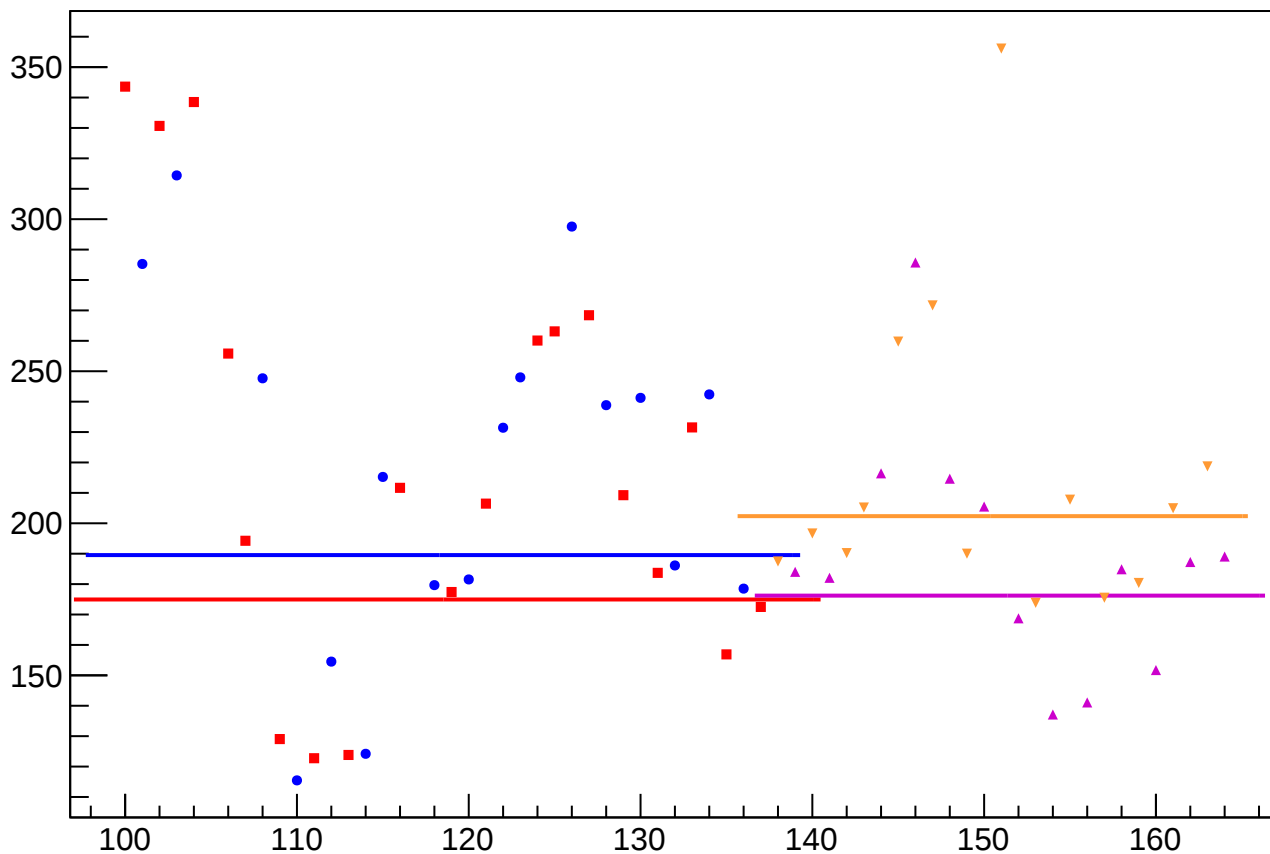
Left In: 2081.815+/-57.223 χ^2/NDF : 10803.5/12

+ sign 1242.886+/-49.349 χ^2/NDF : 5785.3/30

All: 1850.536+/-32.970 χ^2/NDF : 19409.6/62

- sign 2340.446+/-44.311 χ^2/NDF : 13350.4/31

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 202.346 $\pm$ 0.045 χ^2 /NDF: 582333.9/13

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

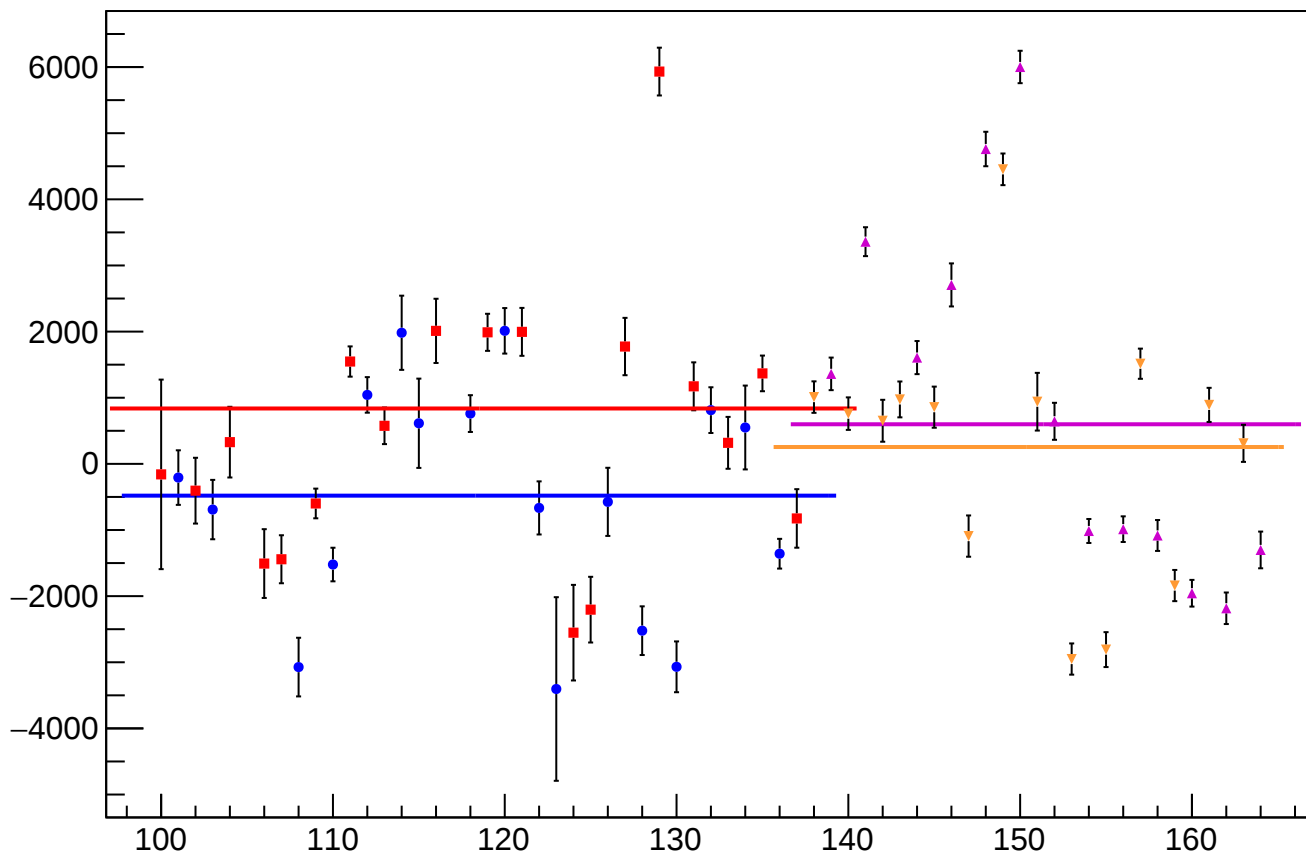
Left In: 176.214 $\pm$ 0.040 χ^2 /NDF: 665805.7/12

+ sign 197.108 $\pm$ 0.035 χ^2 /NDF: 1595614.9/30

All: 185.258 $\pm$ 0.023 χ^2 /NDF: 3767190.1/62

- sign 175.705 $\pm$ 0.031 χ^2 /NDF: 1963306.7/31

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 254.797+/-71.009 χ^2/NDF : 790.4/13

Right Out: 837.442+/-82.243 χ^2/NDF : 435.3/18

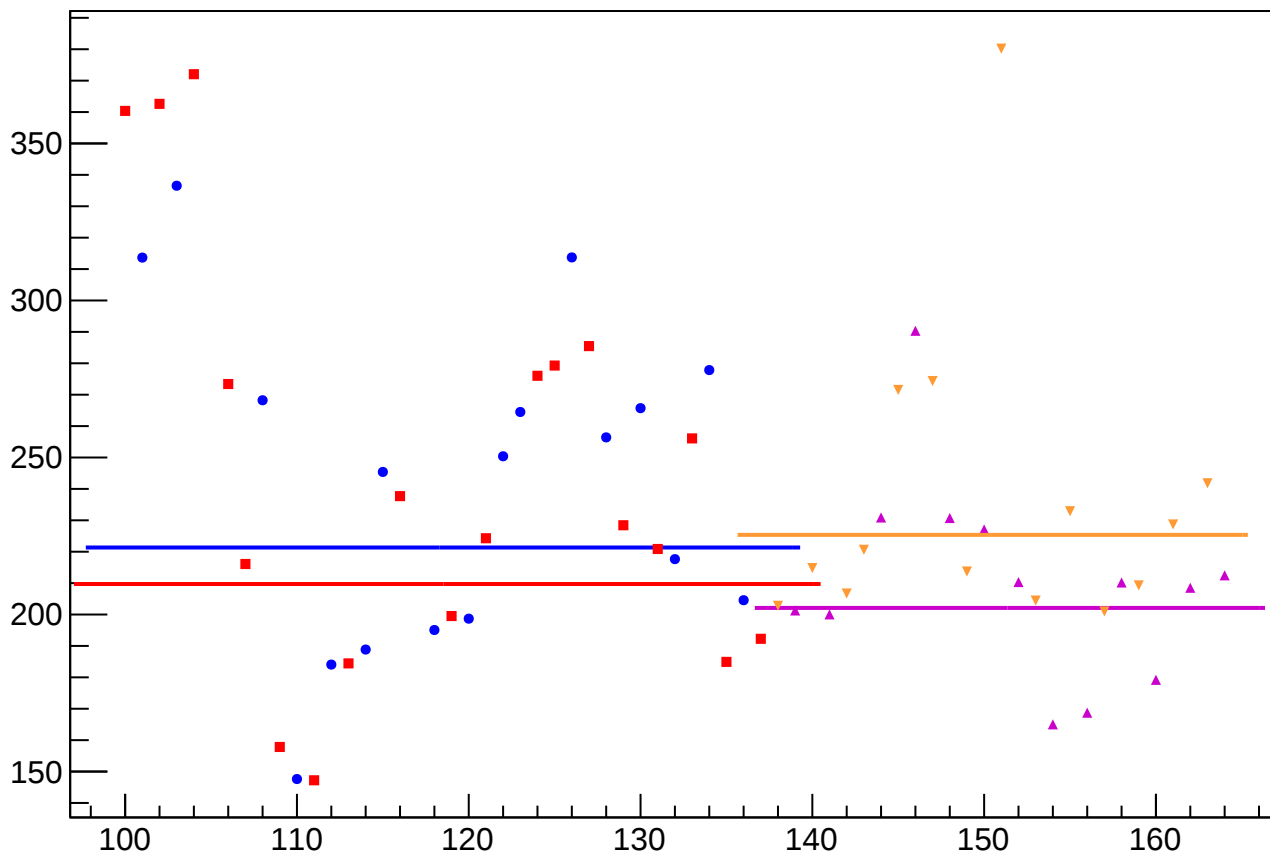
Left In: 598.803+/-64.899 χ^2/NDF : 1510.1/12

+ sign -32.657+/-55.419 χ^2/NDF : 1123.0/30

All: 359.208+/-37.507 χ^2/NDF : 3165.8/62

- sign 690.379+/-50.947 χ^2/NDF : 1950.6/31

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 225.364 $\pm$ 0.050 χ^2 /NDF: 435866.7/13

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

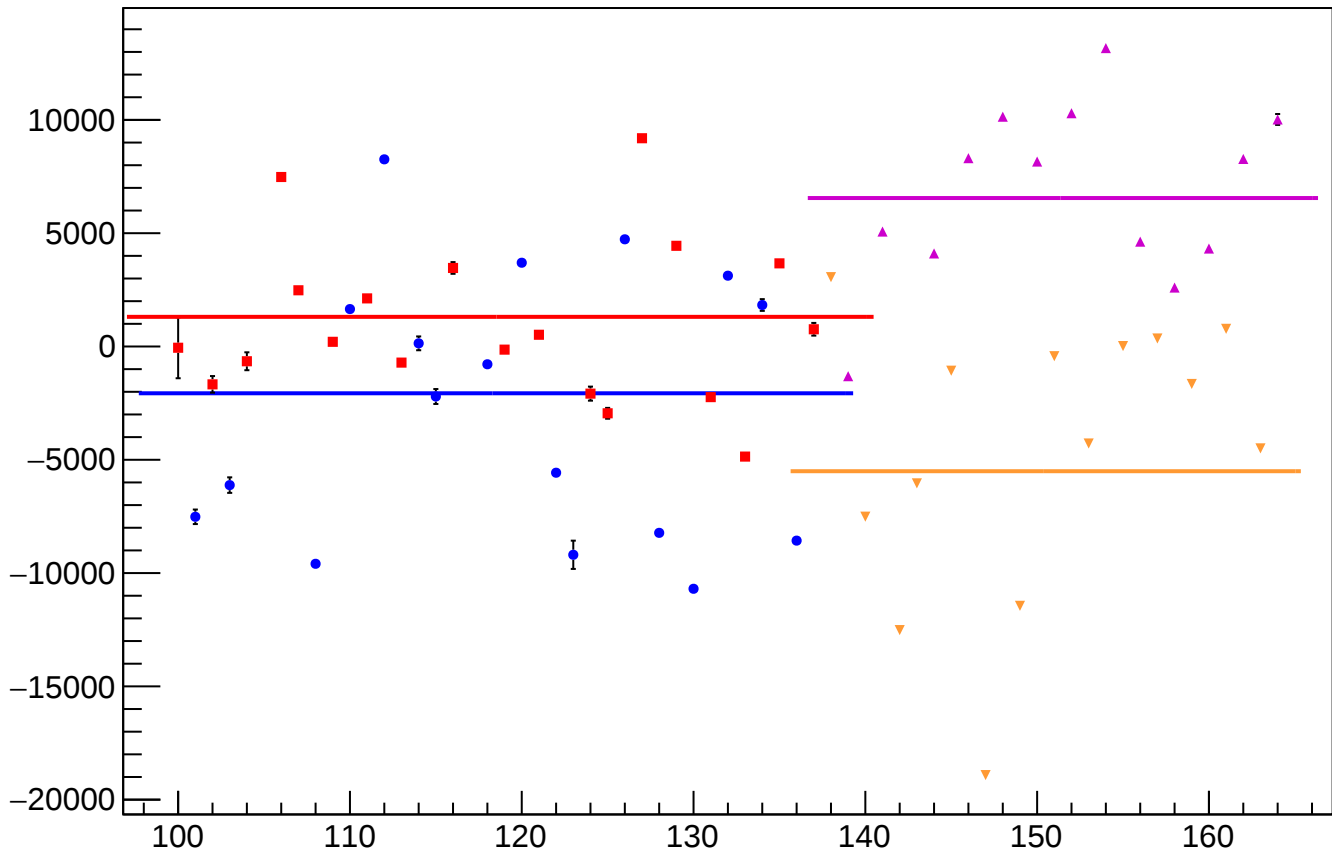
Left In: 202.105 $\pm$ 0.046 χ^2 /NDF: 395549.0/12

+ sign 223.792 $\pm$ 0.039 χ^2 /NDF: 1084063.3/30

All: 213.621 $\pm$ 0.027 χ^2 /NDF: 2498382.8/62

- sign 205.026 $\pm$ 0.036 χ^2 /NDF: 1290024.9/31

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -5504.459 ± 38.476 $\chi^2/\text{NDF}: 28162.0/13$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

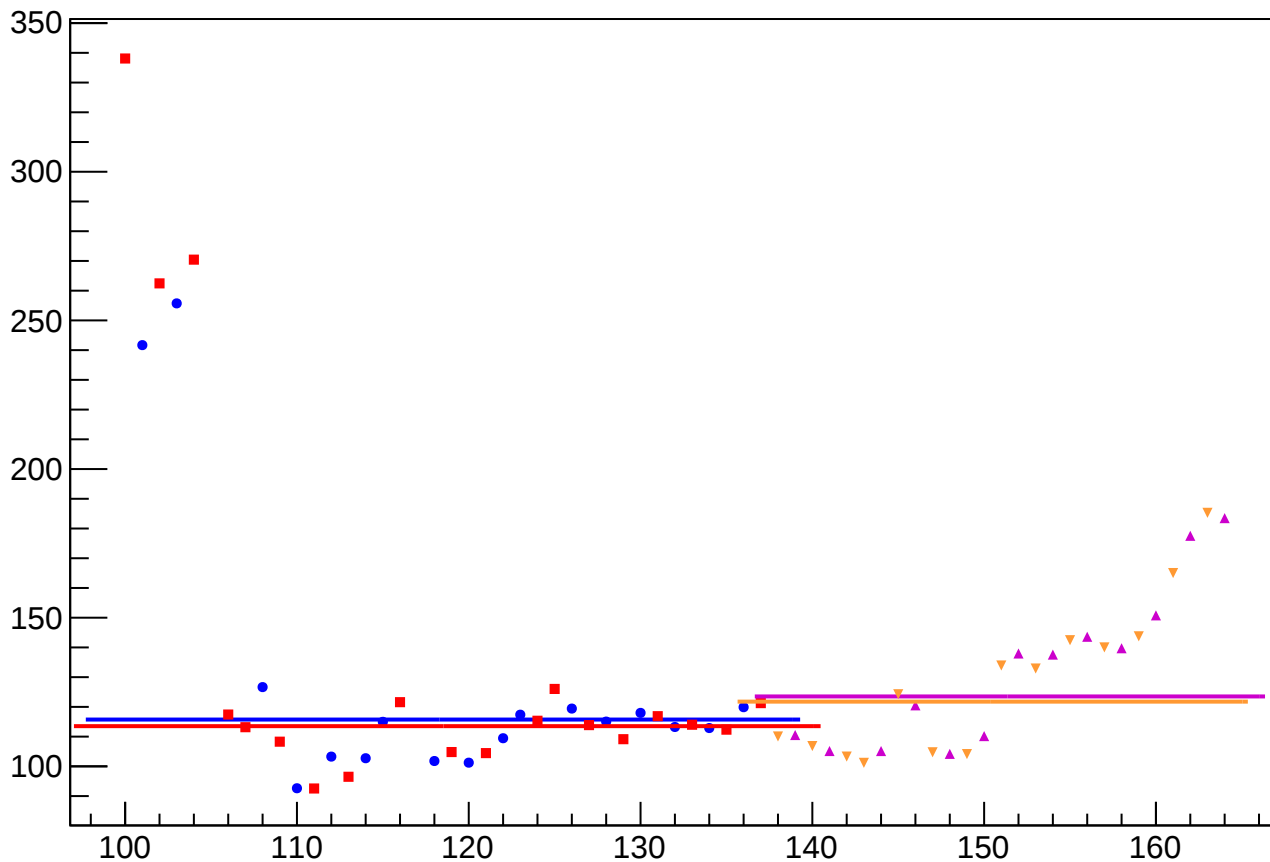
Left In: 6551.895 ± 39.417 $\chi^2/\text{NDF}: 8962.2/12$

+ sign -4135.670 ± 29.854 $\chi^2/\text{NDF}: 47875.2/30$

All: 98.546 ± 21.038 $\chi^2/\text{NDF}: 110374.8/62$

- sign 4275.499 ± 29.651 $\chi^2/\text{NDF}: 22538.8/31$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 121.768+/-0.027 χ^2/NDF : 617493.4/13

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

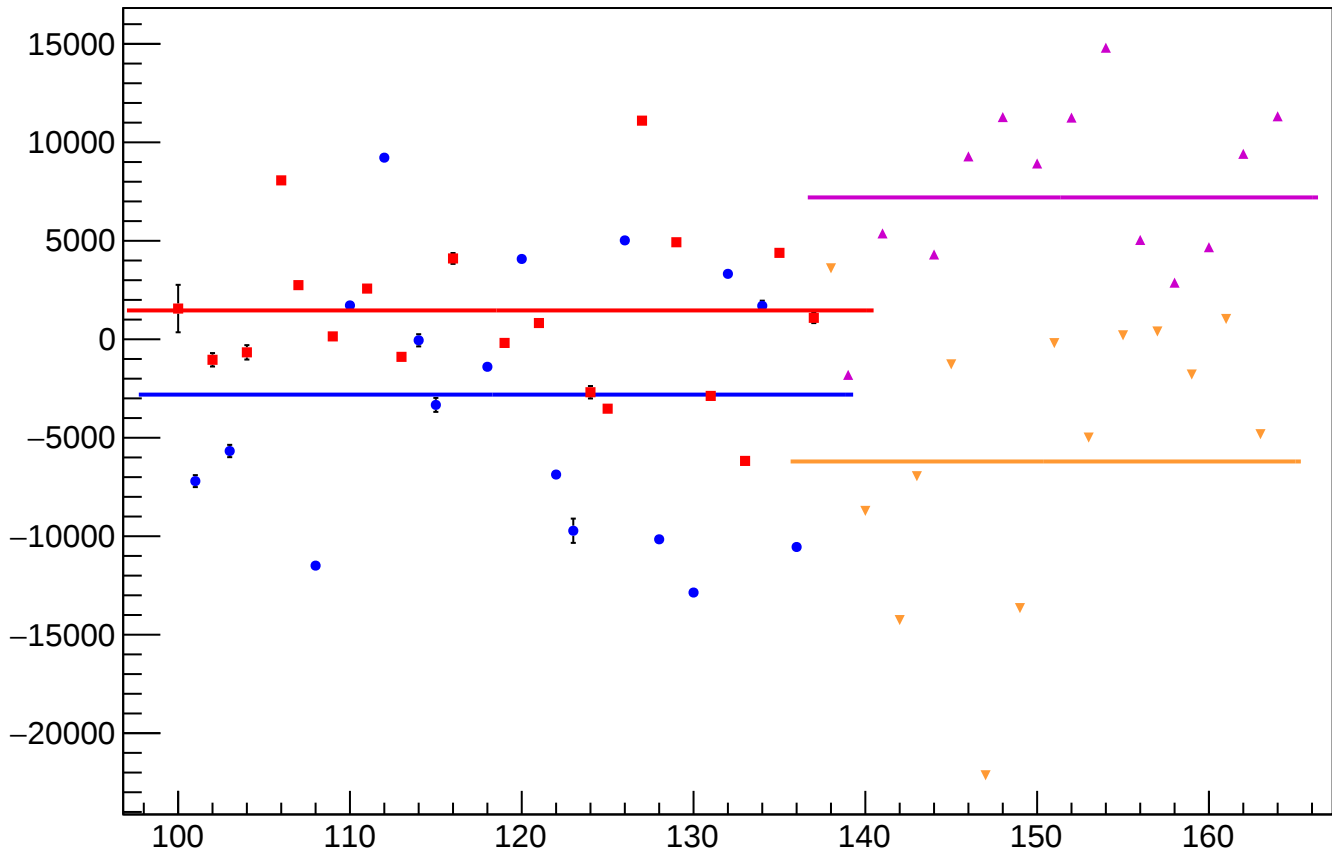
Left In: 123.514+/-0.028 χ^2/NDF : 604912.3/12

+ sign 119.369+/-0.021 χ^2/NDF : 1381044.1/30

All: 119.271+/-0.015 χ^2/NDF : 2838462.7/62

- sign 119.175+/-0.021 χ^2/NDF : 1457375.8/31

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 $\chi^2/\text{NDF}: 21263.1/16$

Left Out: -6204.114 ± 40.866 $\chi^2/\text{NDF}: 34002.7/13$

Right Out: 1465.074 ± 46.394 $\chi^2/\text{NDF}: 8004.7/18$

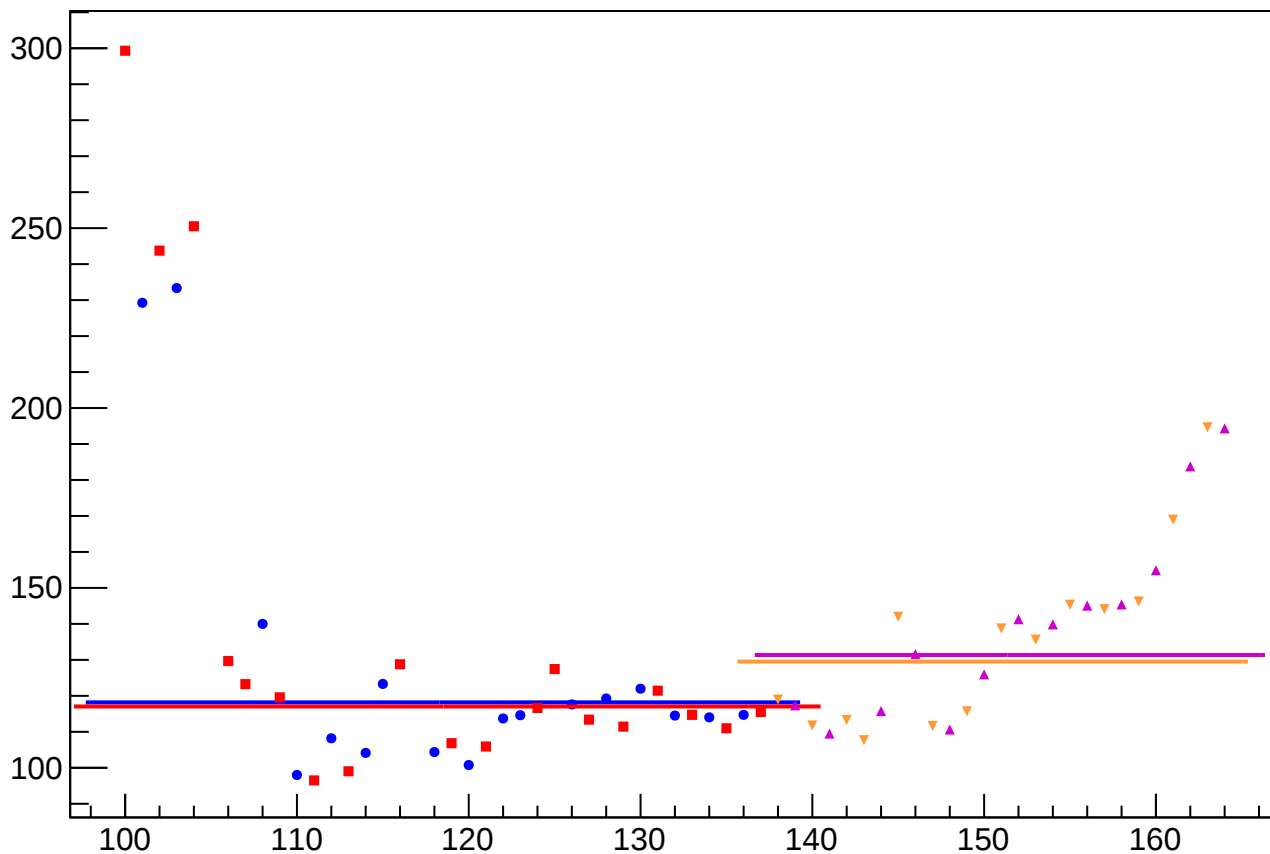
Left In: 7203.307 ± 41.858 $\chi^2/\text{NDF}: 10584.9/12$

+ sign -4787.172 ± 31.193 $\chi^2/\text{NDF}: 58146.4/30$

All: -62.060 ± 22.016 $\chi^2/\text{NDF}: 130891.7/62$

- sign 4628.347 ± 31.079 $\chi^2/\text{NDF}: 27022.7/31$

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 129.519+/-0.029 χ^2/NDF : 510448.8/13

Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

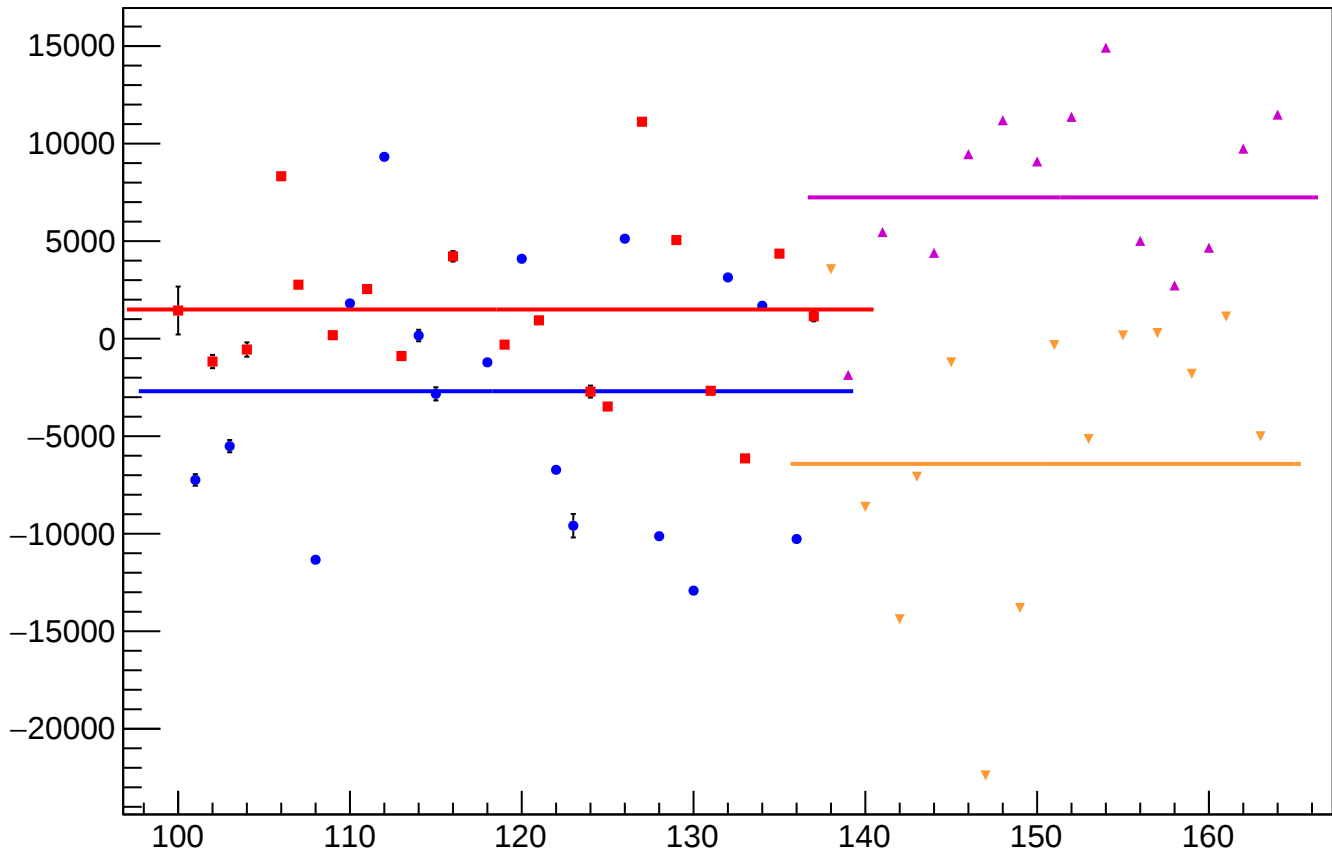
Left In: 131.356+/-0.030 χ^2/NDF : 498670.7/12

+ sign 124.790+/-0.022 χ^2/NDF : 1210873.6/30

All: 124.862+/-0.016 χ^2/NDF : 2505094.2/62

- sign 124.934+/-0.022 χ^2/NDF : 1294199.2/31

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 χ^2/NDF : 22860.3/16

Left Out: -6420.849 ± 39.855 χ^2/NDF : 37165.7/13

Right Out: 1495.744 ± 44.445 χ^2/NDF : 8717.2/18

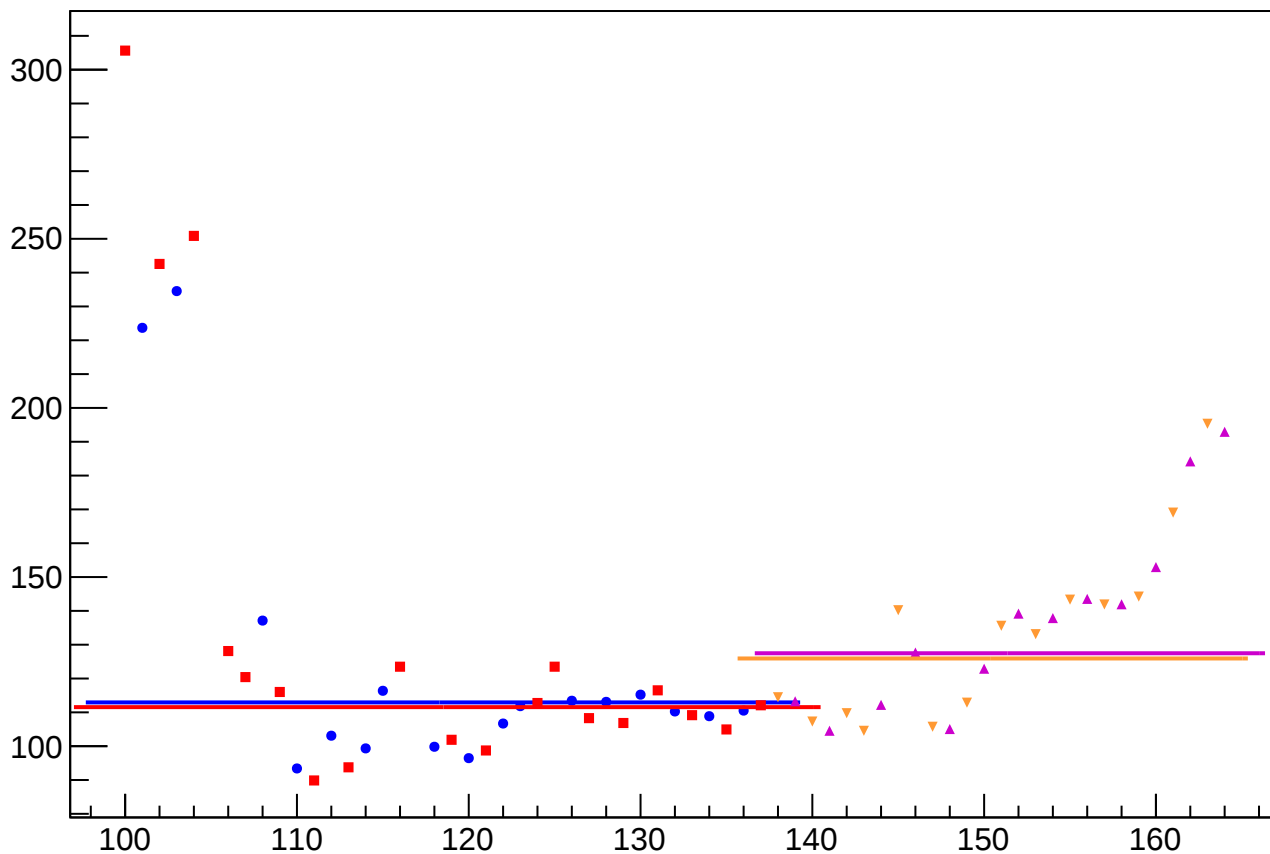
Left In: 7242.097 ± 40.754 χ^2/NDF : 11412.1/12

+ sign -4836.626 ± 30.219 χ^2/NDF : 63742.7/30

All: -81.231 ± 21.304 χ^2/NDF : 142185.3/62

- sign 4617.369 ± 30.038 χ^2/NDF : 29210.2/31

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 125.928 $\pm$ 0.028 χ^2 /NDF: 594088.0/13

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

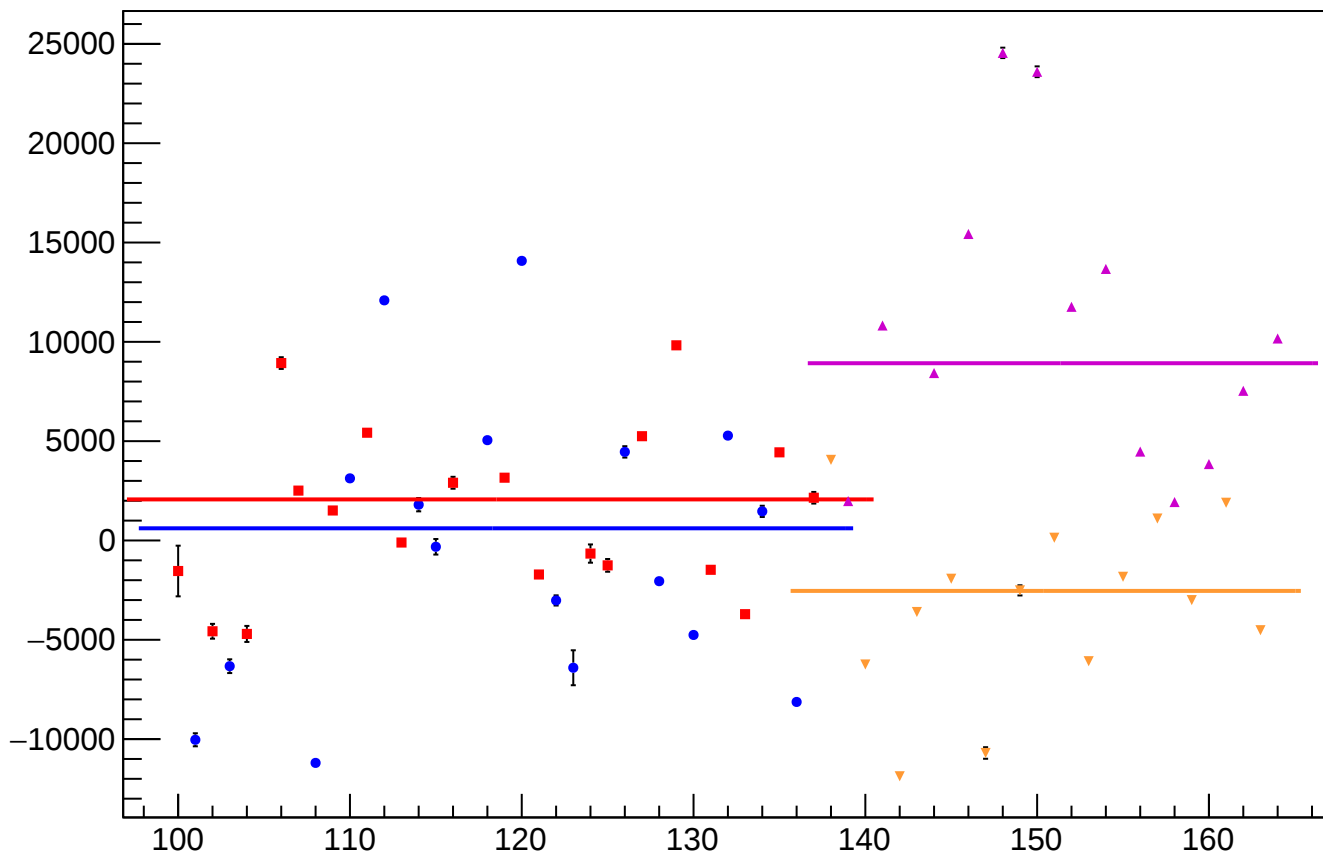
Left In: 127.472 $\pm$ 0.029 χ^2 /NDF: 583174.4/12

+ sign 120.407 $\pm$ 0.021 χ^2 /NDF: 1364660.0/30

All: 120.301 $\pm$ 0.015 χ^2 /NDF: 2852935.1/62

- sign 120.196 $\pm$ 0.021 χ^2 /NDF: 1488226.4/31

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -2538.869 ± 48.599 $\chi^2/\text{NDF}: 6736.2/13$

Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

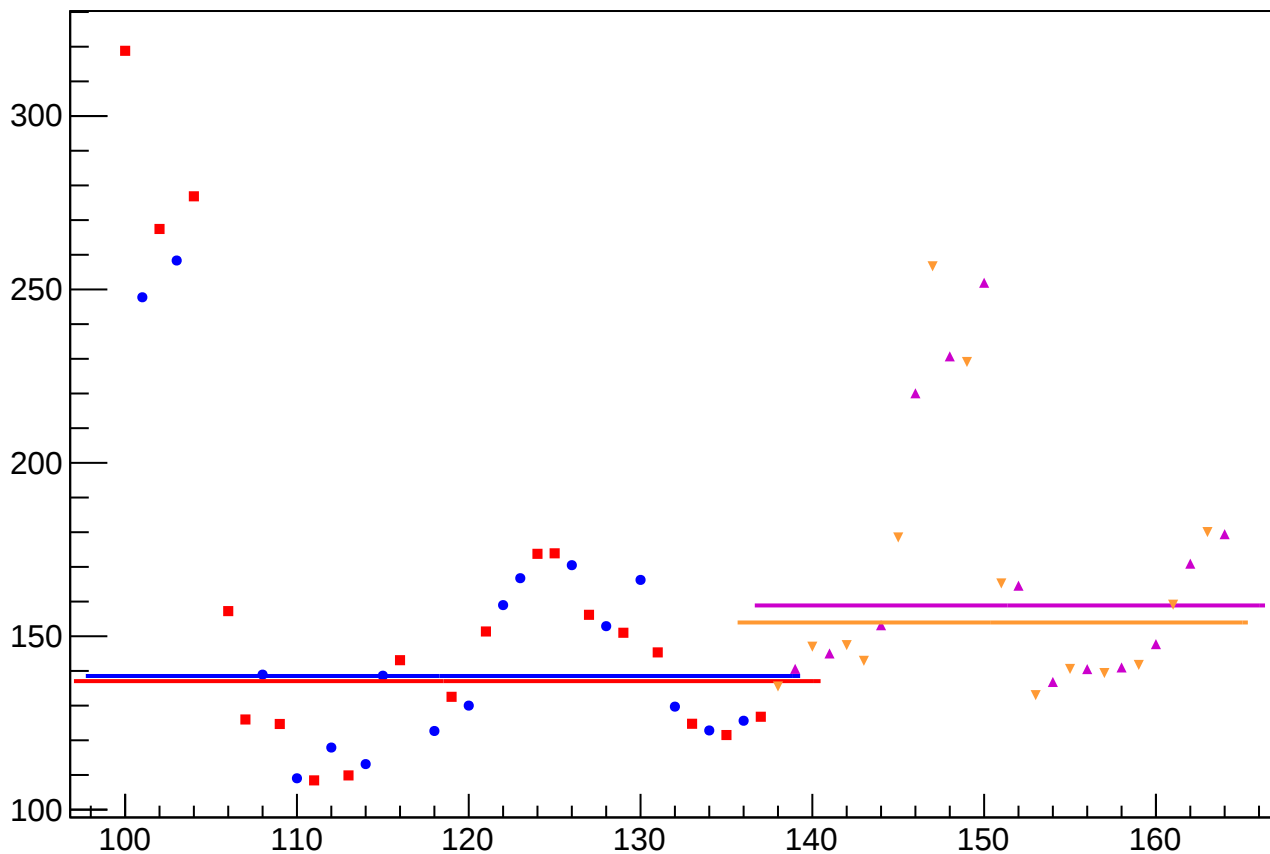
Left In: 8923.326 ± 50.862 $\chi^2/\text{NDF}: 13933.2/12$

+ sign -1186.709 ± 36.722 $\chi^2/\text{NDF}: 26783.8/30$

All: 2228.427 ± 26.065 $\chi^2/\text{NDF}: 71343.7/62$

- sign 5695.951 ± 37.002 $\chi^2/\text{NDF}: 27129.0/31$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 ± 0.040 χ^2/NDF : 668941.7/16

Left Out: 153.971 ± 0.034 χ^2/NDF : 611606.4/13

Right Out: 137.061 ± 0.038 χ^2/NDF : 755491.9/18

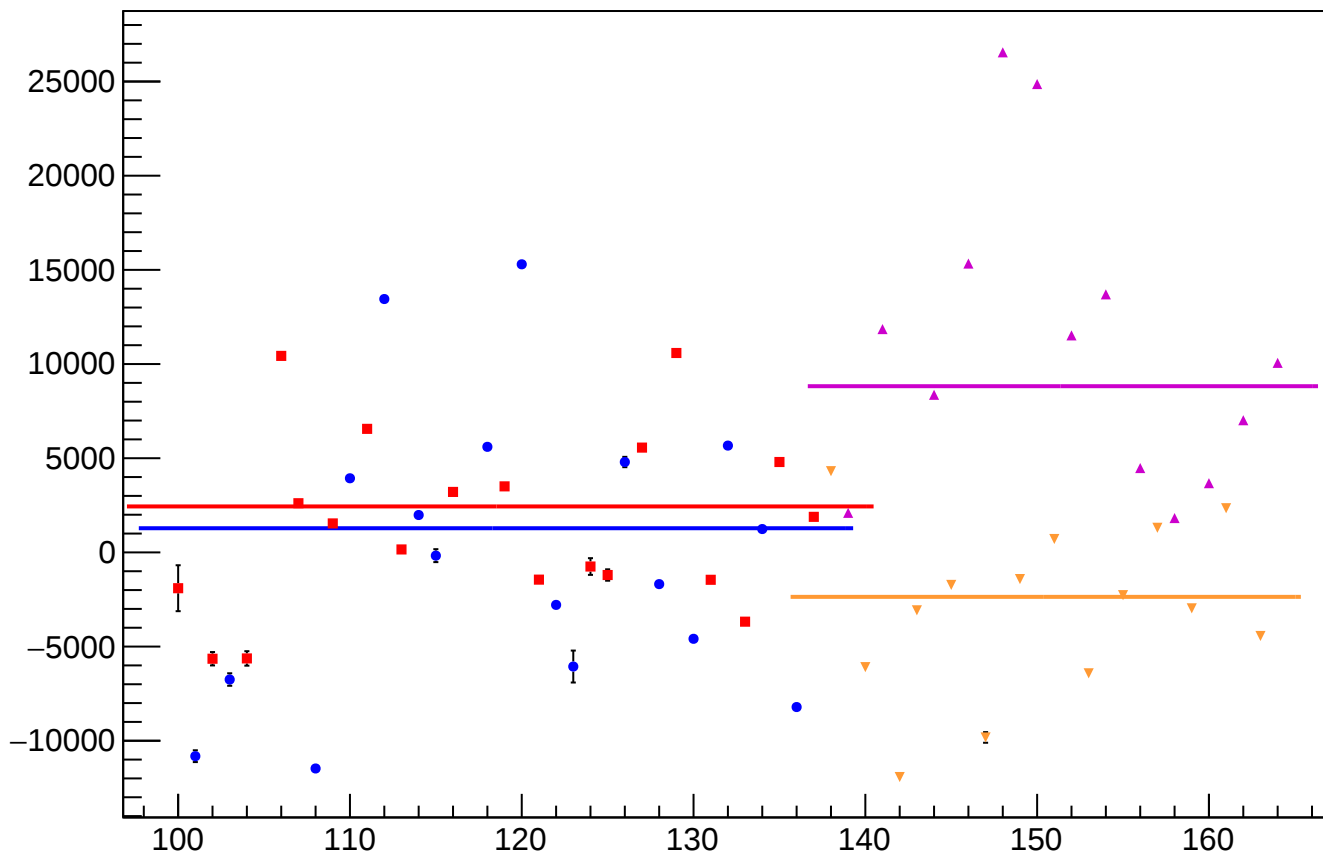
Left In: 158.882 ± 0.036 χ^2/NDF : 679978.4/12

+ sign 147.351 ± 0.026 χ^2/NDF : 1367039.3/30

All: 147.976 ± 0.018 χ^2/NDF : 2976971.7/62

- sign 148.610 ± 0.026 χ^2/NDF : 1608765.9/31

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2360.567+/-43.164 χ^2/NDF : 9045.4/13

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

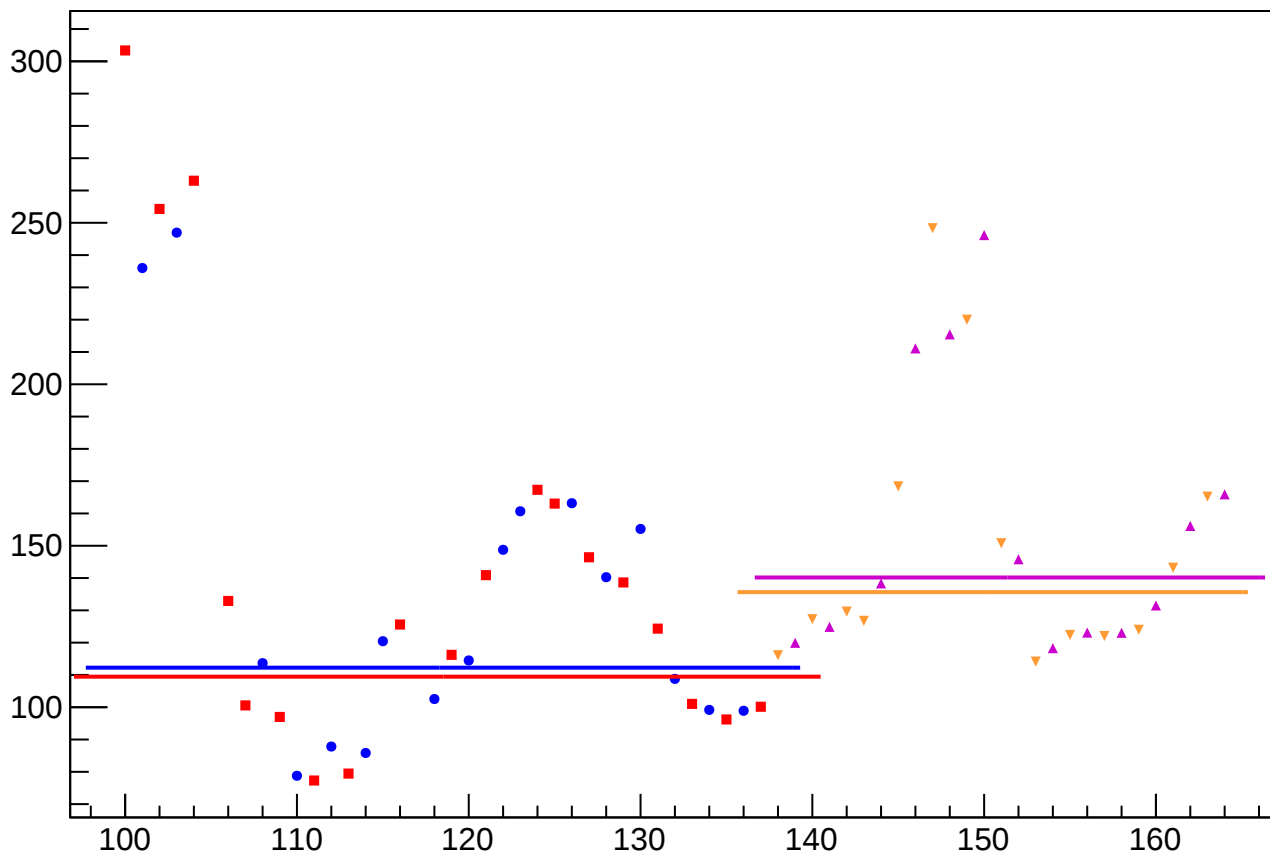
Left In: 8823.860+/-45.324 χ^2/NDF : 18670.6/12

+ sign -676.985+/-31.658 χ^2/NDF : 42878.6/30

All: 2438.855+/-22.392 χ^2/NDF : 98759.7/62

- sign 5558.147+/-31.675 χ^2/NDF : 36496.5/31

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 135.643+/-0.031 χ^2/NDF : 841581.8/13

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

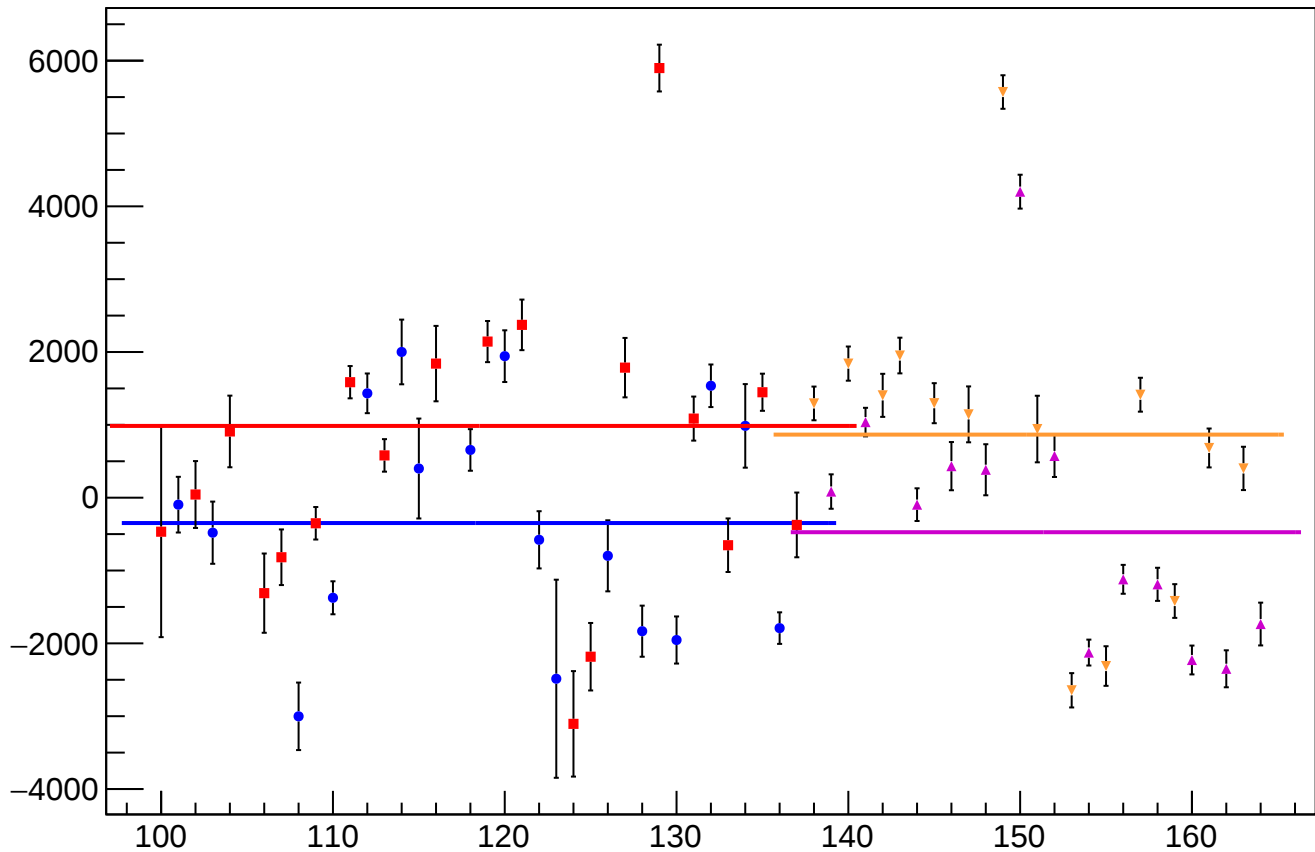
Left In: 140.172+/-0.032 χ^2/NDF : 920934.5/12

+ sign 124.834+/-0.022 χ^2/NDF : 2238547.1/30

All: 124.648+/-0.016 χ^2/NDF : 4899053.3/62

- sign 124.461+/-0.022 χ^2/NDF : 2660367.1/31

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 866.037 ± 70.245 χ^2/NDF : 928.2/13

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

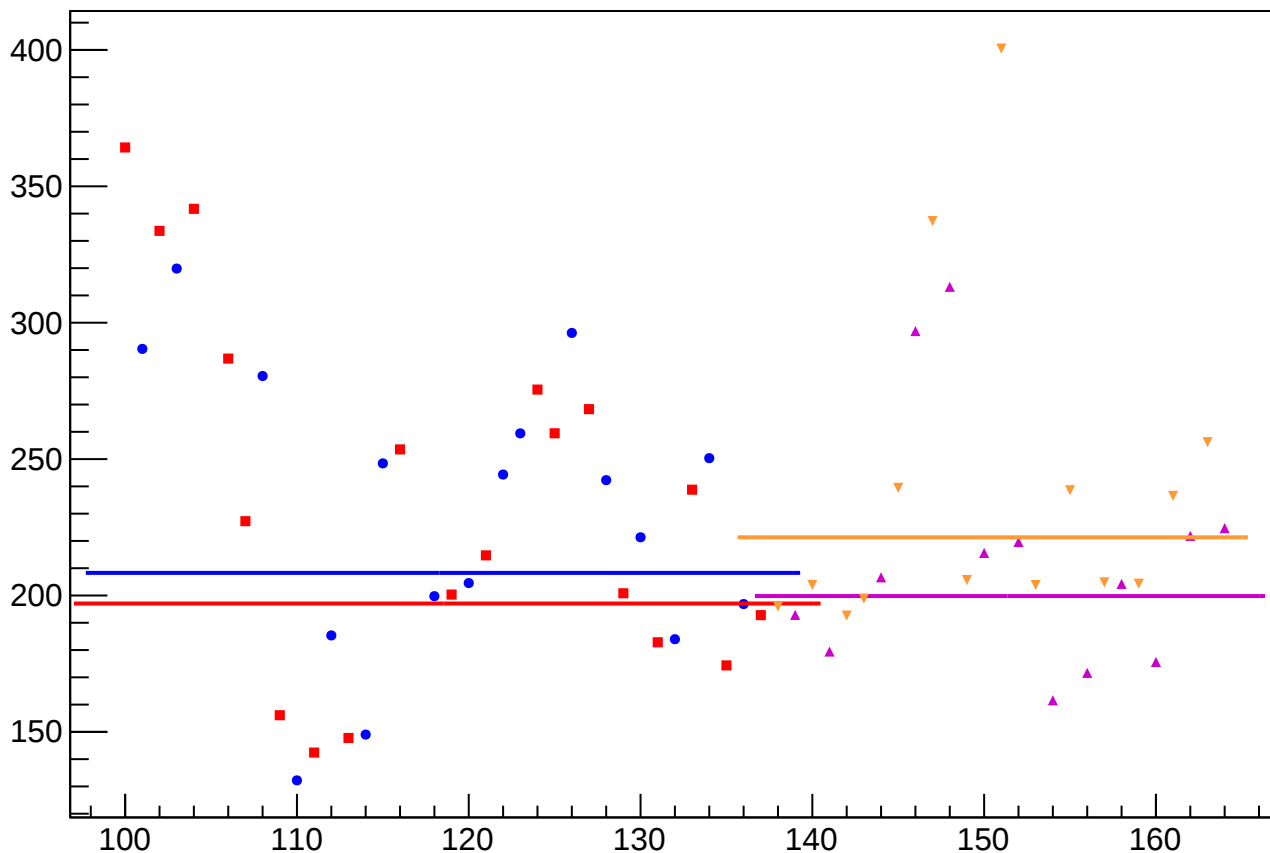
Left In: -473.994 ± 64.487 χ^2/NDF : 756.7/12

+ sign 365.191 ± 53.840 χ^2/NDF : 1368.8/30

All: 233.332 ± 36.487 χ^2/NDF : 2822.0/62

- sign 121.341 ± 49.619 χ^2/NDF : 1442.2/31

asym_bpm0l01WS_rms vs Slug



Right In: 208.288+/-0.059 χ^2/NDF : 698491.0/16

Left Out: 221.323+/-0.050 χ^2/NDF : 652704.3/13

Right Out: 197.051+/-0.055 χ^2/NDF : 926786.6/18

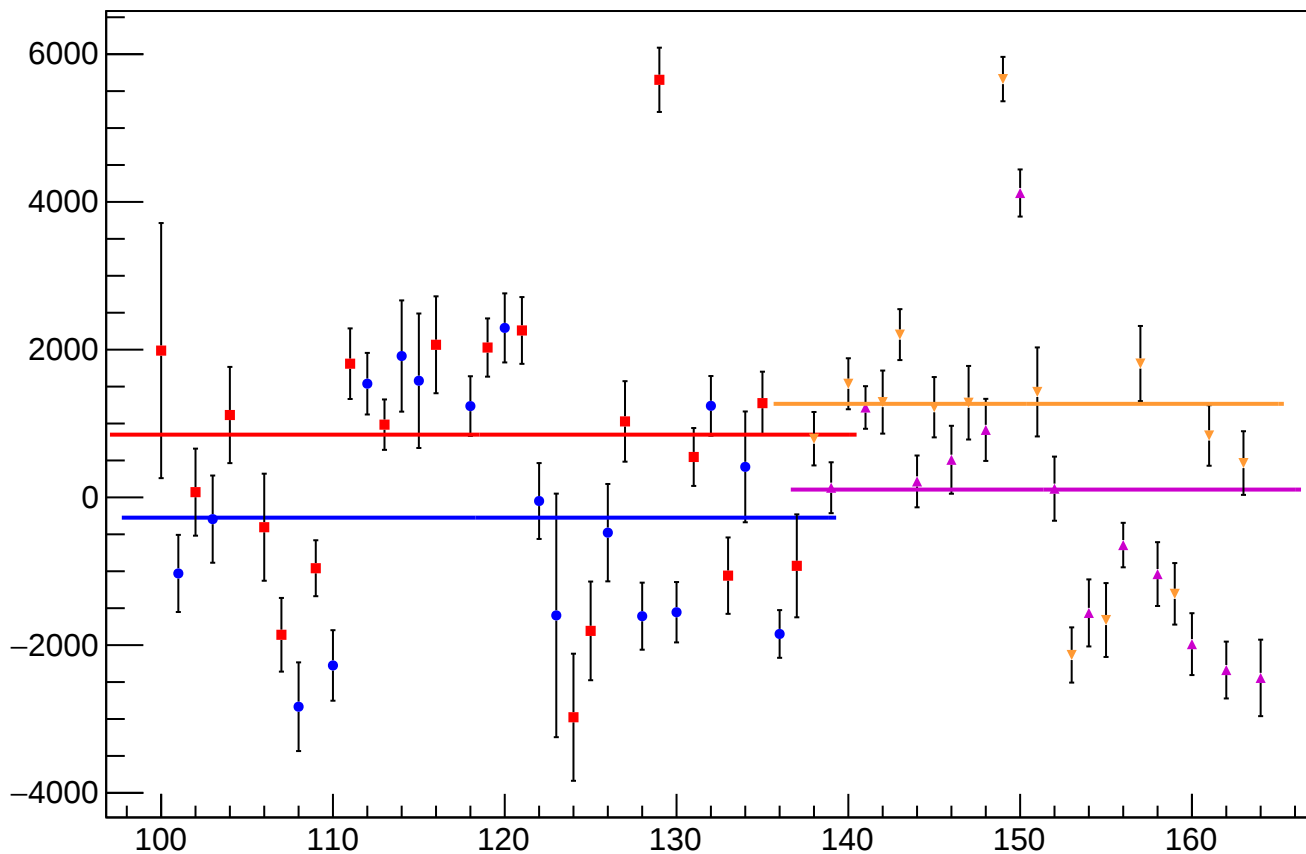
Left In: 199.799+/-0.046 χ^2/NDF : 617978.9/12

+ sign 215.946+/-0.038 χ^2/NDF : 1379610.0/30

All: 206.608+/-0.026 χ^2/NDF : 3037104.7/62

- sign 198.678+/-0.035 χ^2/NDF : 1546246.7/31

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1266.548 ± 107.884 χ^2/NDF : 384.6/13

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

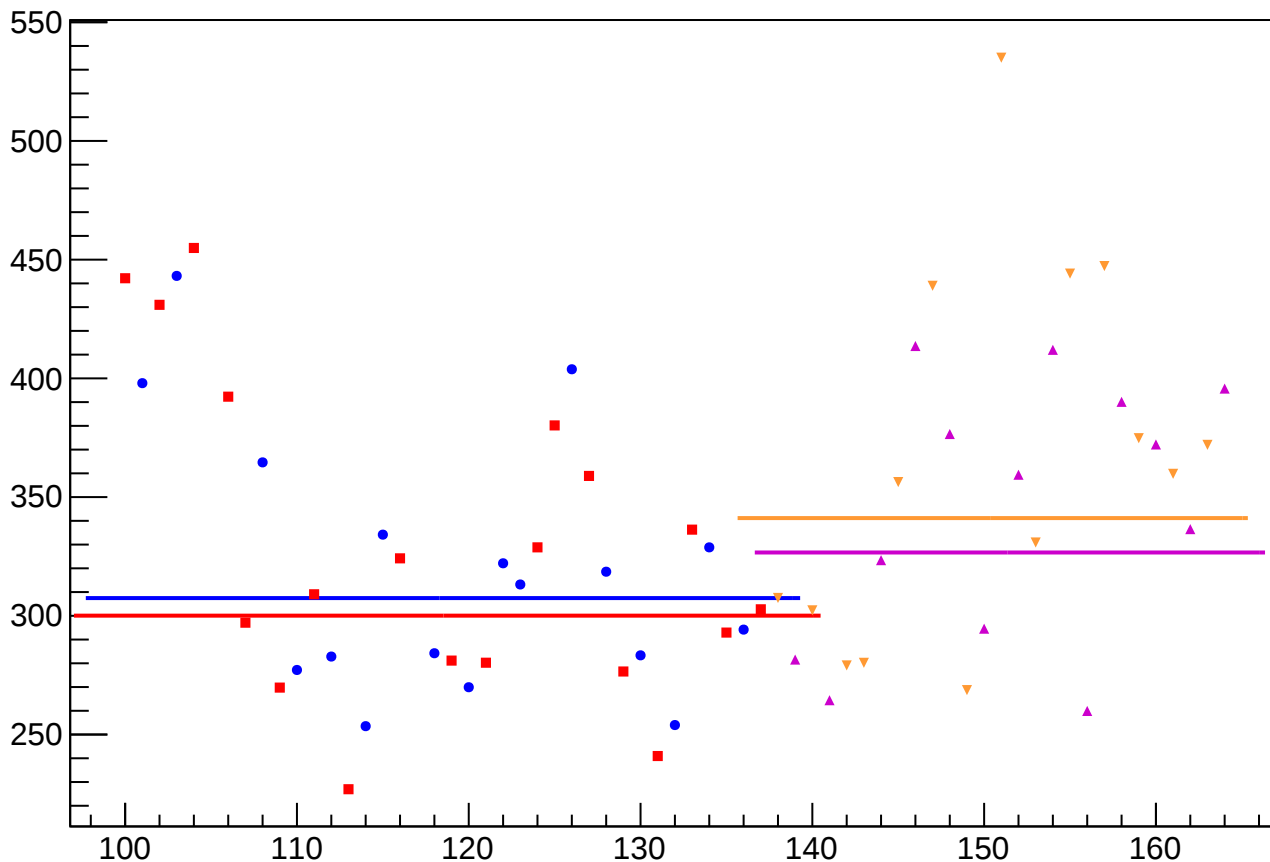
Left In: 105.696 ± 104.524 χ^2/NDF : 294.1/12

+ sign 586.194 ± 80.621 χ^2/NDF : 646.3/30

All: 510.705 ± 55.854 χ^2/NDF : 1228.1/62

- sign 441.029 ± 77.455 χ^2/NDF : 580.2/31

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 341.157 $\pm$ 0.076 χ^2 /NDF: 751498.4/13

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

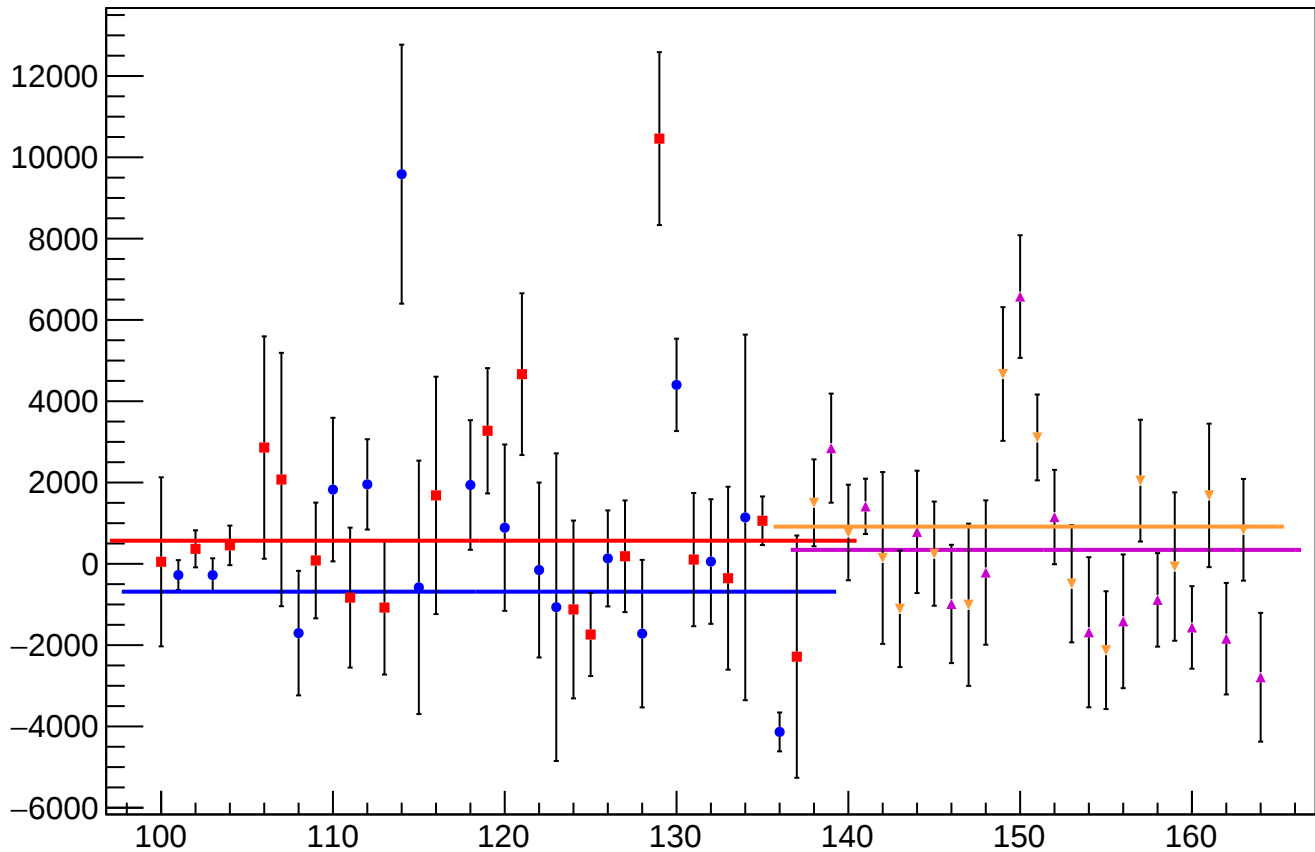
Left In: 326.669 $\pm$ 0.074 χ^2 /NDF: 531457.6/12

+ sign 326.281 $\pm$ 0.057 χ^2 /NDF: 1160708.6/30

All: 320.246 $\pm$ 0.039 χ^2 /NDF: 2262518.2/62

- sign 314.676 $\pm$ 0.055 χ^2 /NDF: 1080258.3/31

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 915.974 ± 375.279 χ^2/NDF : 19.6/13

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

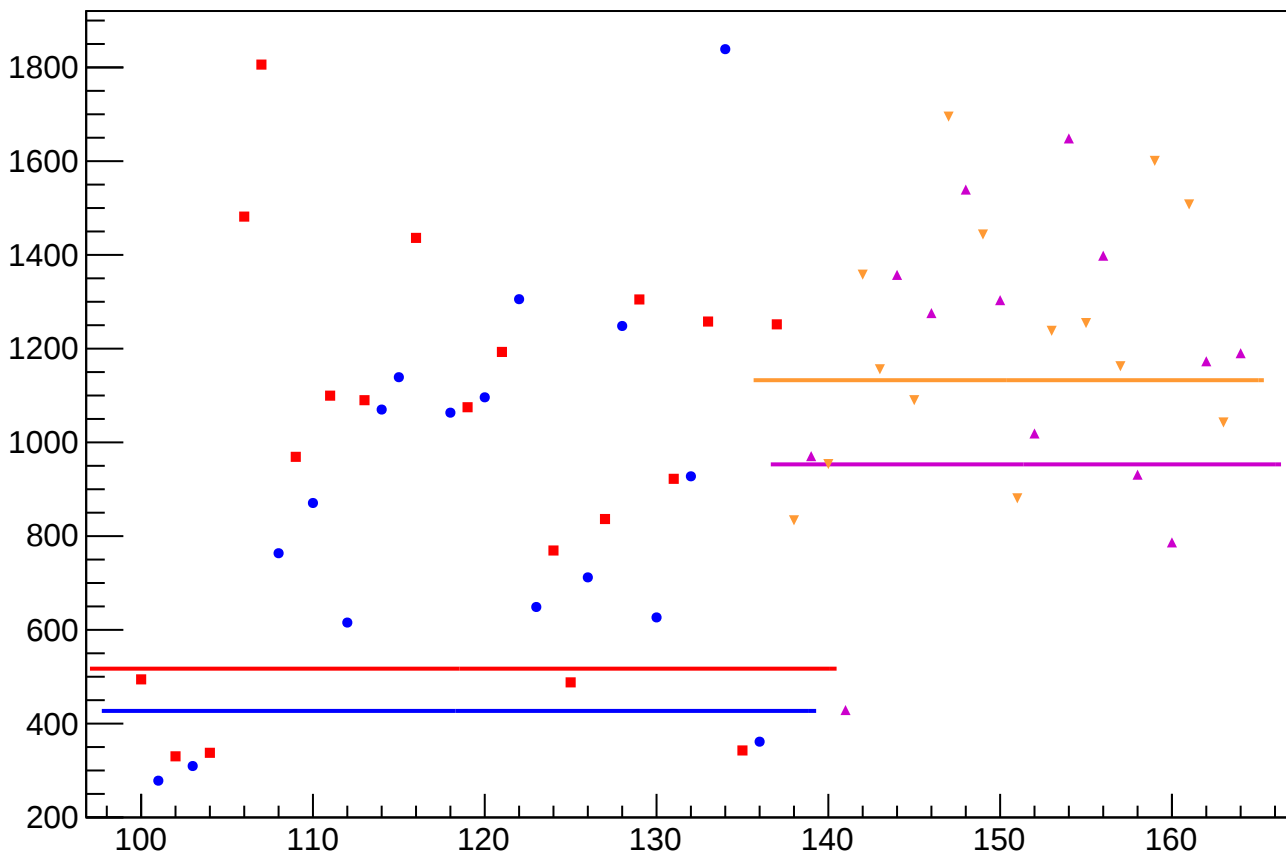
Left In: 343.017 ± 344.144 χ^2/NDF : 38.0/12

+ sign -302.326 ± 183.485 χ^2/NDF : 130.8/30

All: 64.065 ± 134.783 χ^2/NDF : 217.4/62

- sign 493.479 ± 198.640 χ^2/NDF : 78.0/31

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1132.668+/-0.265 χ^2/NDF : 830492.9/13

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

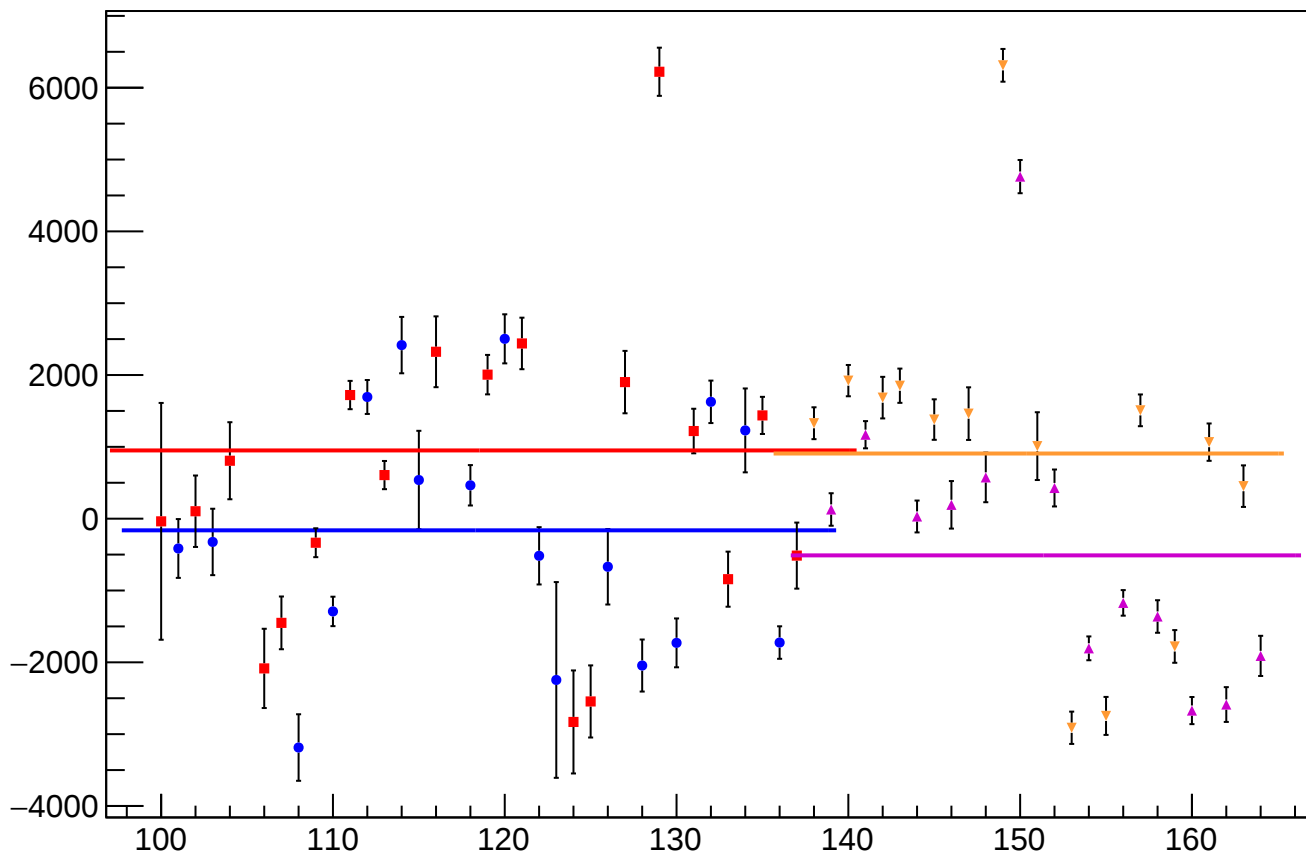
Left In: 953.092+/-0.243 χ^2/NDF : 2342742.2/12

+ sign 595.752+/-0.130 χ^2/NDF : 9076125.1/30

All: 626.457+/-0.095 χ^2/NDF : 17284877.8/62

- sign 662.444+/-0.140 χ^2/NDF : 8087099.7/31

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 907.177 ± 68.159 χ^2/NDF : 1243.9/13

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

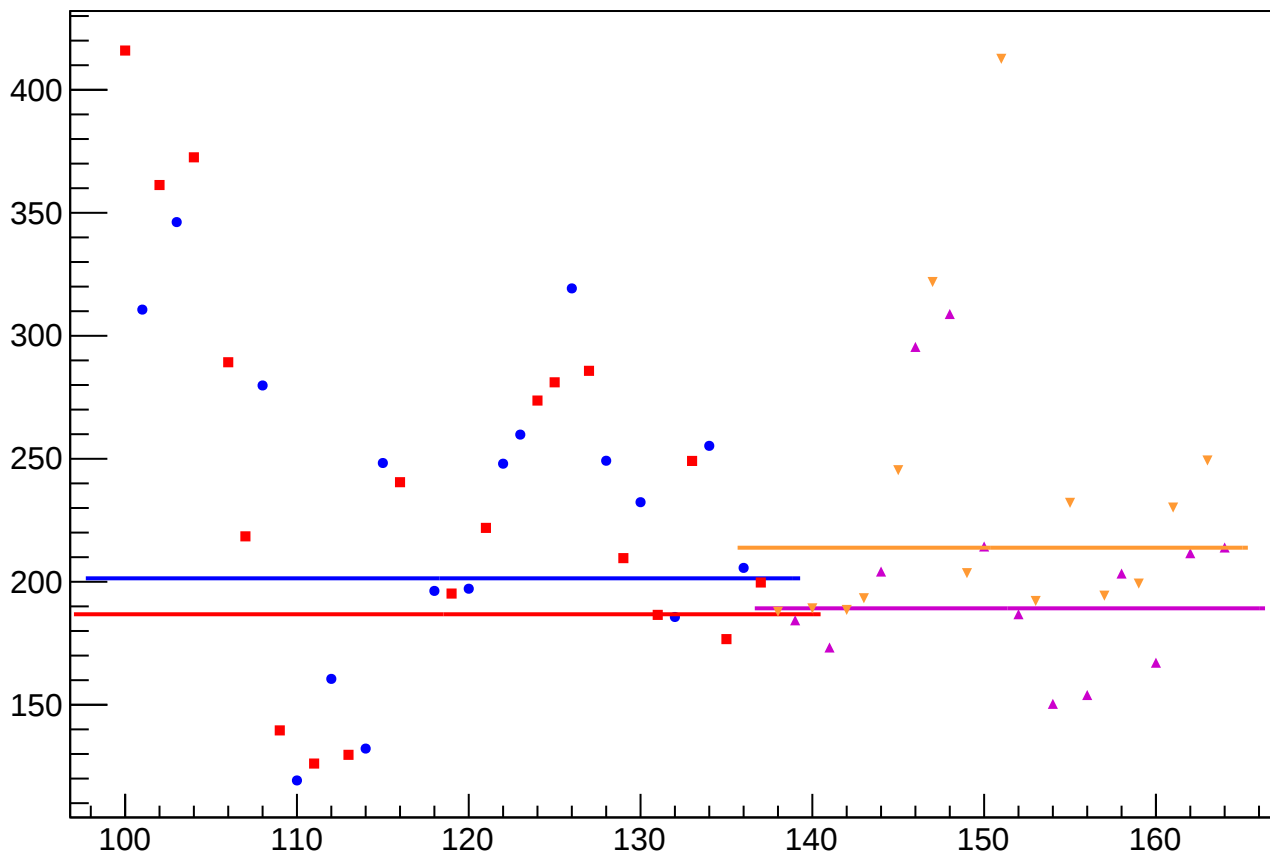
Left In: -510.999 ± 61.507 χ^2/NDF : 958.0/12

+ sign 472.378 ± 52.507 χ^2/NDF : 1731.6/30

All: 254.378 ± 35.263 χ^2/NDF : 3487.2/62

- sign 75.272 ± 47.593 χ^2/NDF : 1724.2/31

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 213.856 $\pm$ 0.048 χ^2 /NDF: 730724.3/13

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

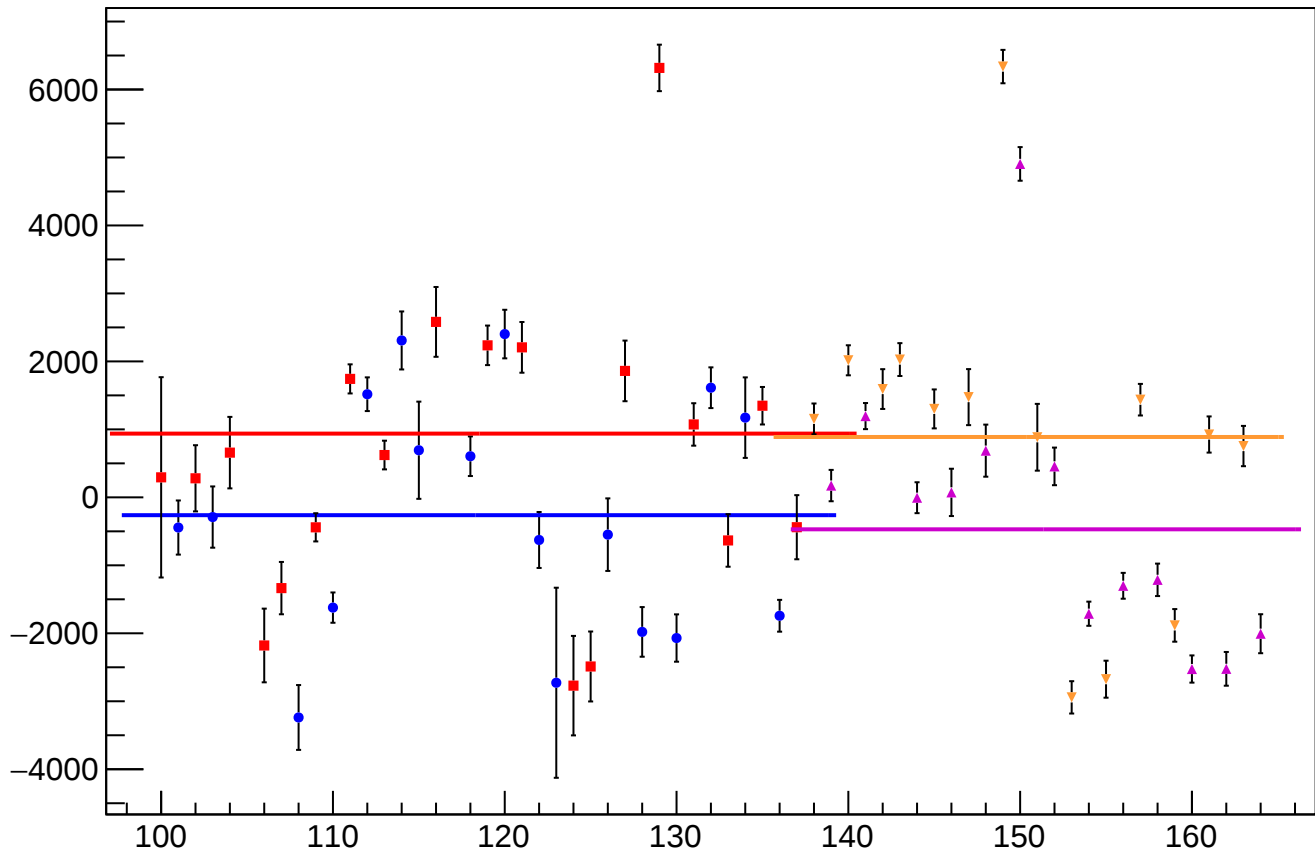
Left In: 189.213 $\pm$ 0.043 χ^2 /NDF: 749936.1/12

+ sign 208.796 $\pm$ 0.037 χ^2 /NDF: 1813863.2/30

All: 197.513 $\pm$ 0.025 χ^2 /NDF: 4126418.6/62

- sign 188.244 $\pm$ 0.034 χ^2 /NDF: 2144335.7/31

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 $\pm$ 85.433 χ^2 /NDF: 368.7/16

Left Out: 888.052 $\pm$ 70.684 χ^2 /NDF:1122.0/13

Right Out: 937.678 $\pm$ 78.434 χ^2 /NDF: 521.9/18

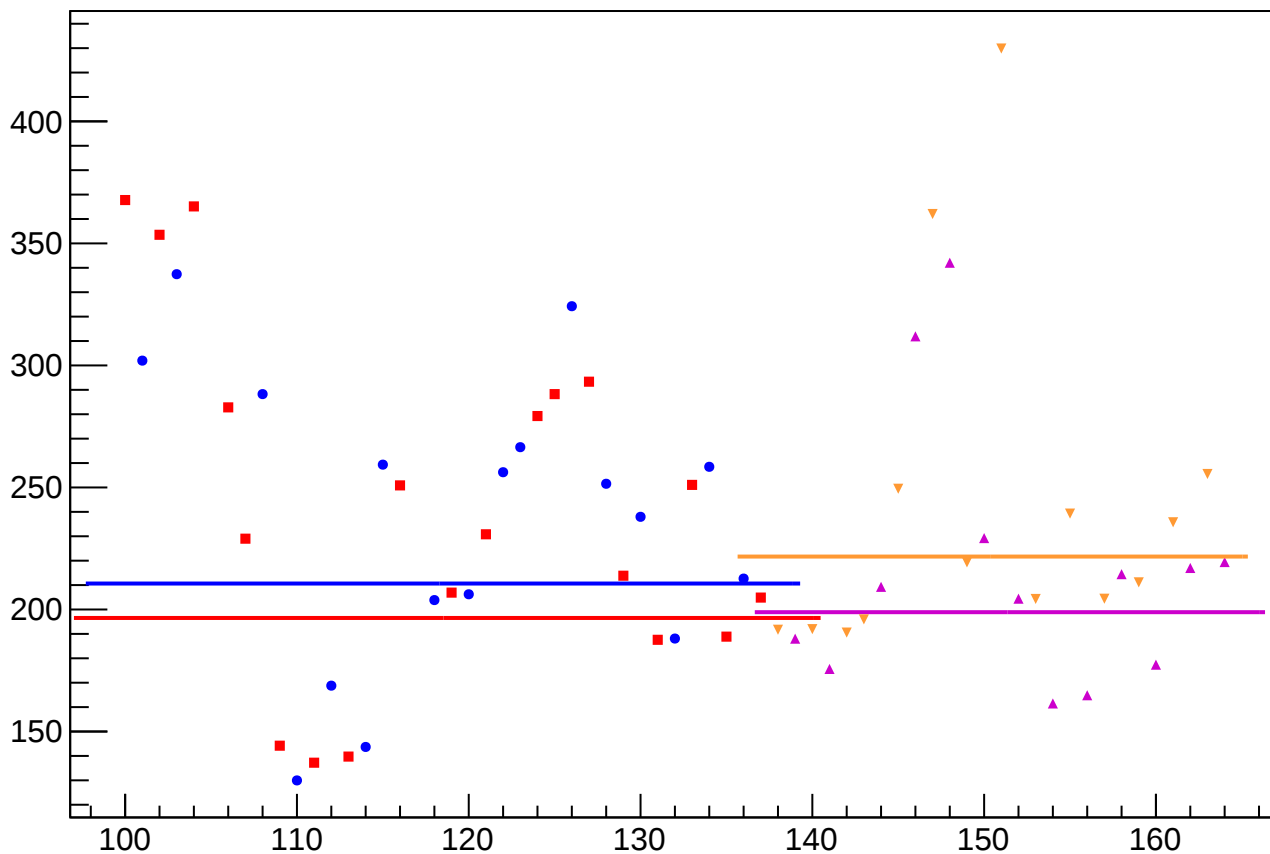
Left In: -470.367 $\pm$ 64.563 χ^2 /NDF:862.0/12

+ sign 420.582 $\pm$ 54.461 χ^2 /NDF: 1598.3/30

All: 245.236 $\pm$ 36.770 χ^2 /NDF: 3193.4/62

- sign 98.341 $\pm$ 49.847 χ^2 /NDF: 1576.0/31

asym_bpm0l05WS_rms vs Slug



Right In: 210.636 $\pm$ 0.060 χ^2 /NDF: 875776.4/16

Left Out: 221.686 $\pm$ 0.050 χ^2 /NDF: 792116.8/13

Right Out: 196.528 $\pm$ 0.055 χ^2 /NDF: 1205091.0/18

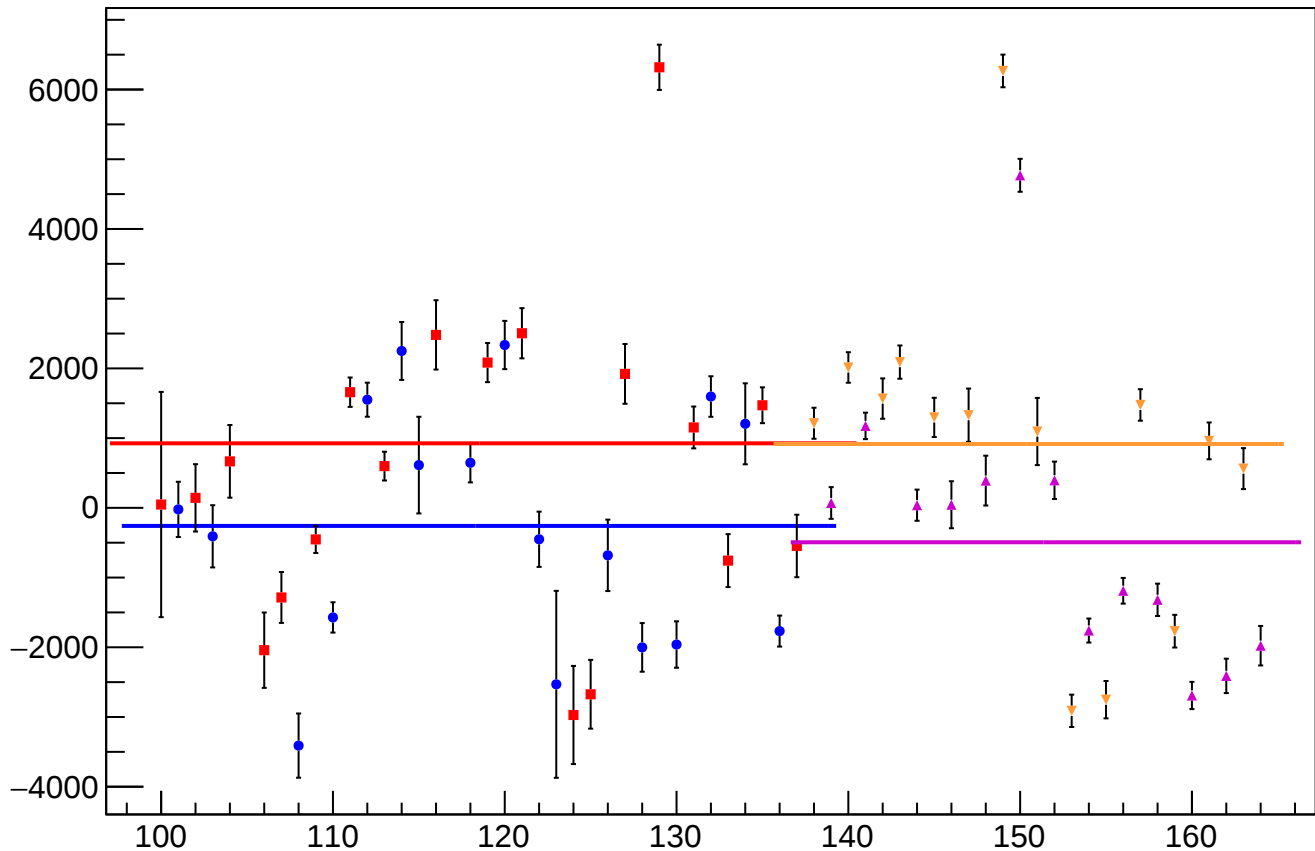
Left In: 198.895 $\pm$ 0.046 χ^2 /NDF: 764190.5/12

+ sign 217.196 $\pm$ 0.039 χ^2 /NDF: 1687756.5/30

All: 206.717 $\pm$ 0.026 χ^2 /NDF: 3794183.0/62

- sign 197.939 $\pm$ 0.035 χ^2 /NDF: 1970367.4/31

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 $\chi^2/\text{NDF}: 391.2/16$

Left Out: 915.735 ± 69.196 $\chi^2/\text{NDF}: 1180.7/13$

Right Out: 925.534 ± 75.503 $\chi^2/\text{NDF}: 581.9/18$

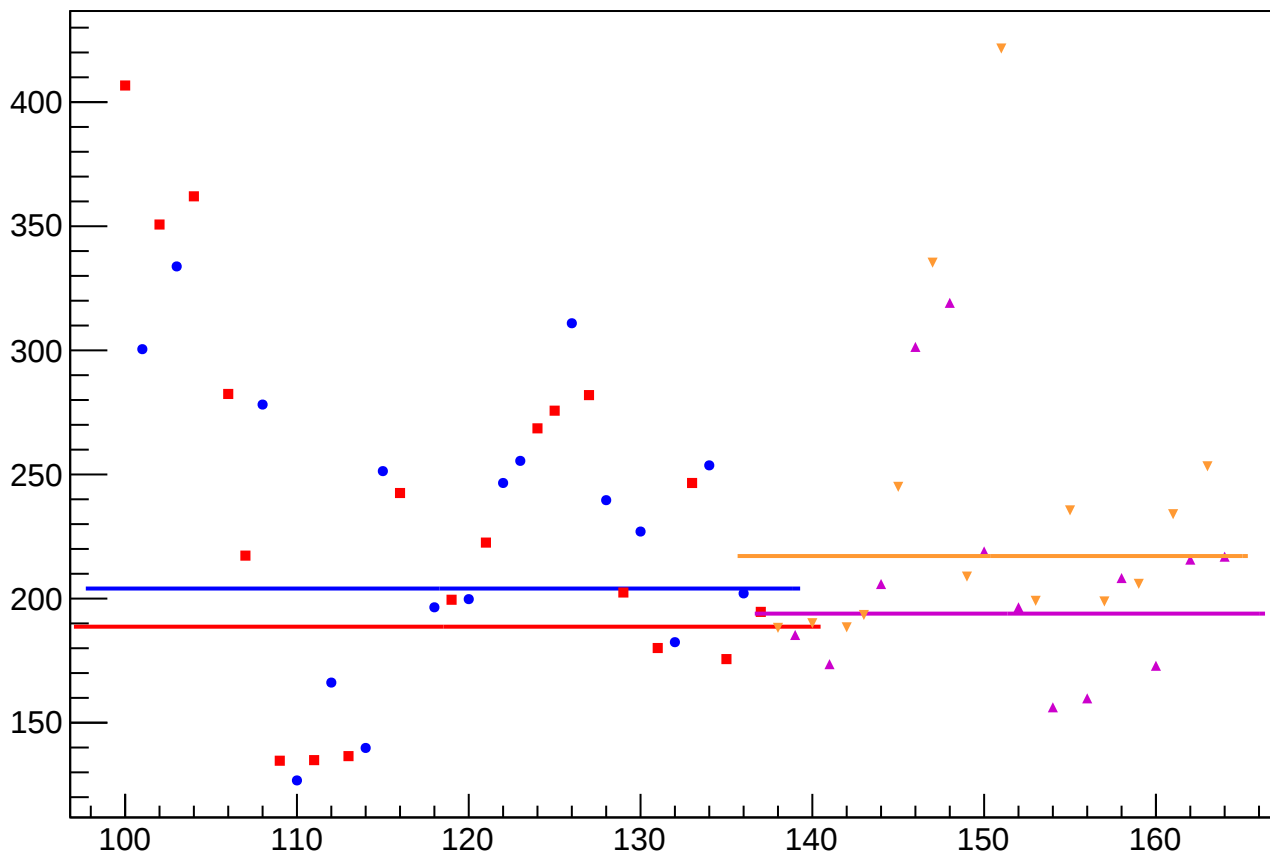
Left In: -493.819 ± 62.949 $\chi^2/\text{NDF}: 899.9/12$

+ sign 432.630 ± 53.096 $\chi^2/\text{NDF}: 1690.5/30$

All: 244.333 ± 35.749 $\chi^2/\text{NDF}: 3403.7/62$

- sign 88.201 ± 48.349 $\chi^2/\text{NDF}: 1690.2/31$

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 217.142+/-0.049 χ^2/NDF : 755154.5/13

Right Out: 188.681+/-0.053 χ^2/NDF : 1251107.4/18

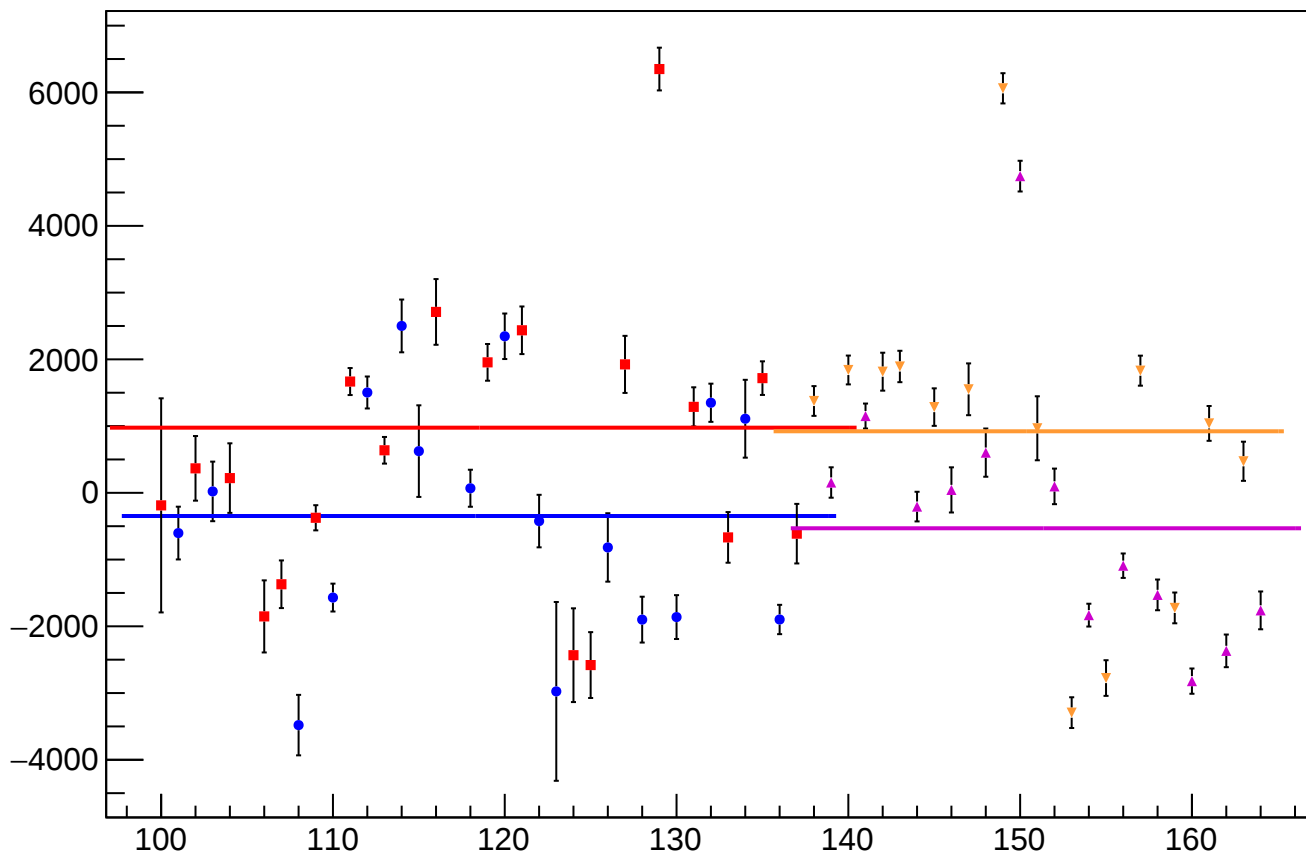
Left In: 193.944+/-0.045 χ^2/NDF : 727069.3/12

+ sign 211.759+/-0.038 χ^2/NDF : 1653010.9/30

All: 200.840+/-0.025 χ^2/NDF : 3791641.5/62

- sign 191.786+/-0.034 χ^2/NDF : 1983910.2/31

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 $\chi^2/\text{NDF}: 399.1/16$

Left Out: 922.199 ± 68.536 $\chi^2/\text{NDF}: 1245.2/13$

Right Out: 976.286 ± 73.889 $\chi^2/\text{NDF}: 585.7/18$

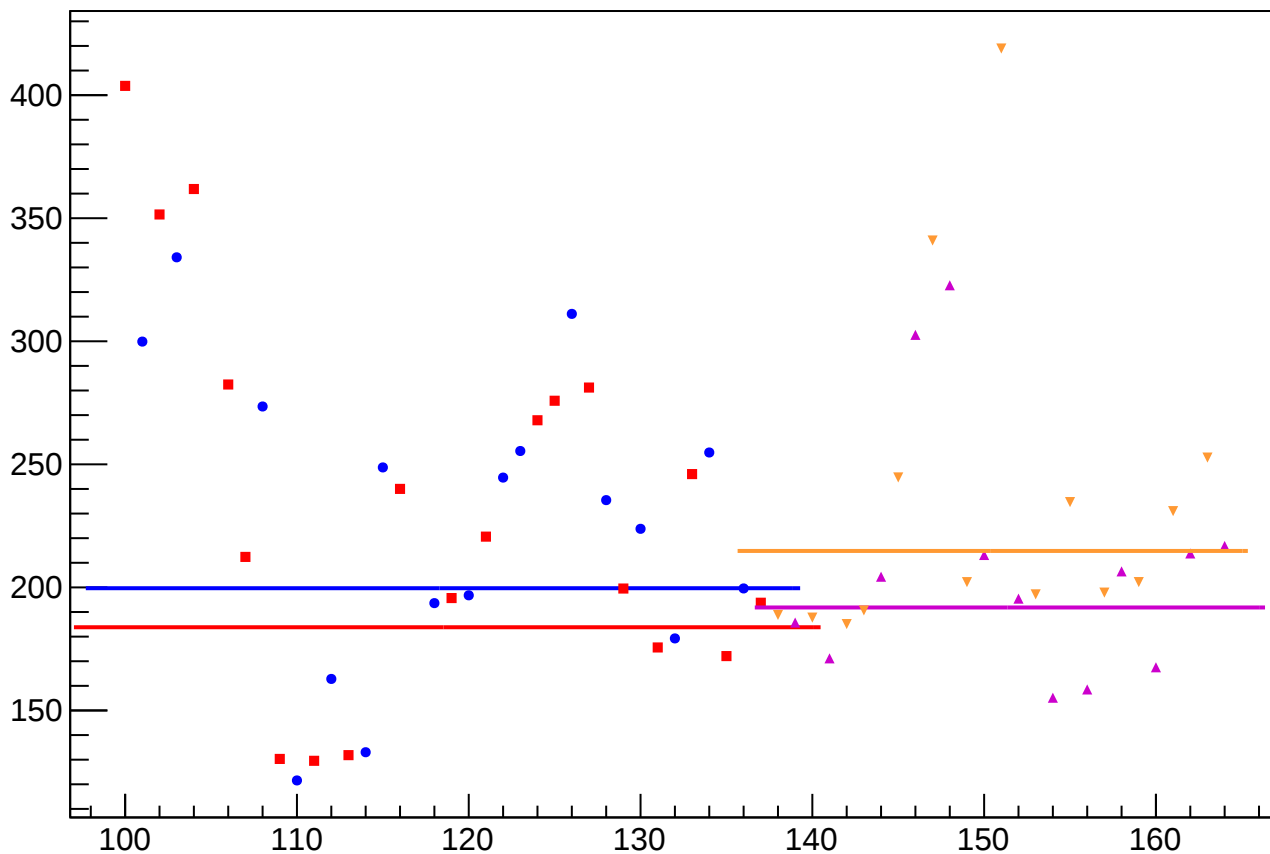
Left In: -531.091 ± 62.328 $\chi^2/\text{NDF}: 943.6/12$

+ sign 394.970 ± 52.406 $\chi^2/\text{NDF}: 1786.8/30$

All: 231.048 ± 35.252 $\chi^2/\text{NDF}: 3577.1/62$

- sign 95.575 ± 47.642 $\chi^2/\text{NDF}: 1772.5/31$

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 214.813 $\pm$ 0.048 χ^2 /NDF: 785662.6/13

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

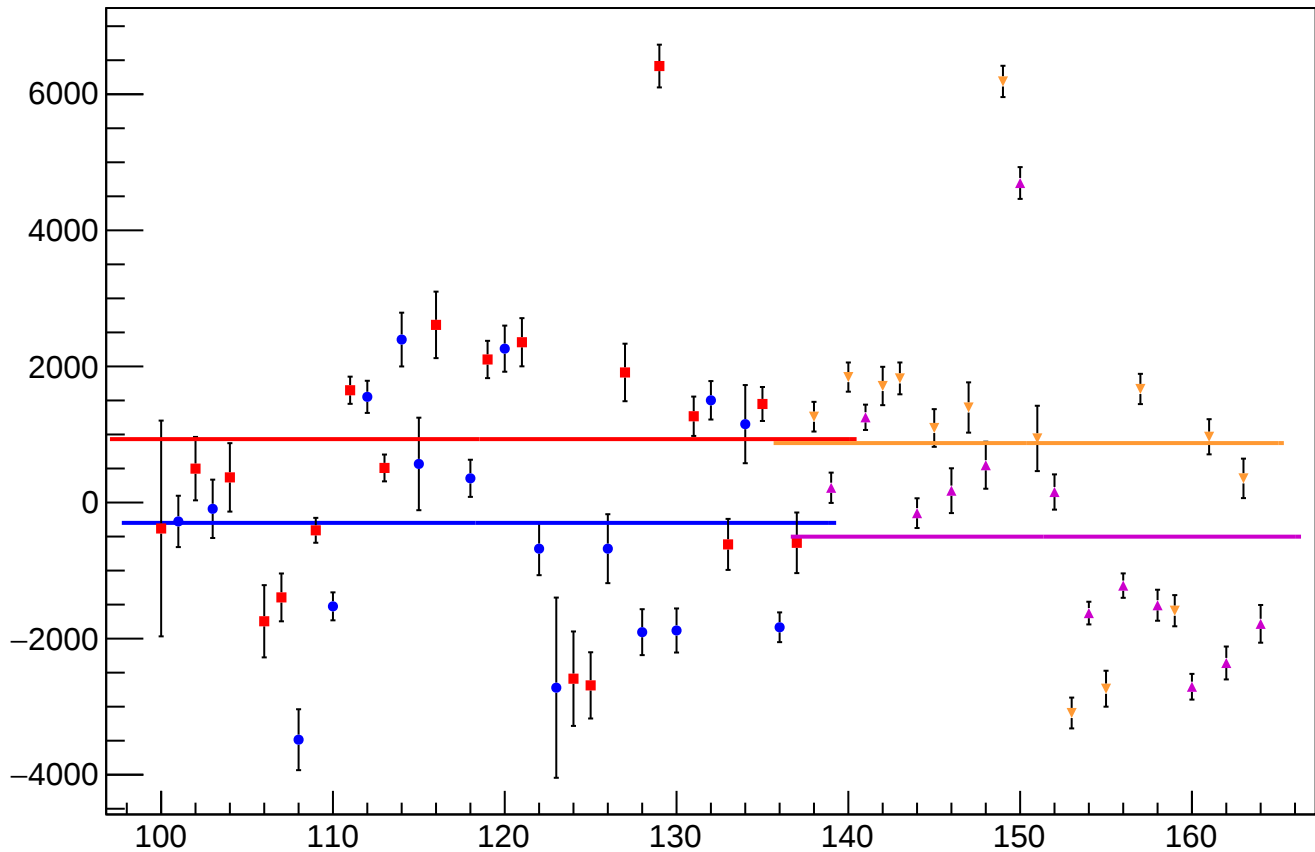
Left In: 191.843 $\pm$ 0.044 χ^2 /NDF: 757570.5/12

+ sign 208.524 $\pm$ 0.037 χ^2 /NDF: 1769375.5/30

All: 197.562 $\pm$ 0.025 χ^2 /NDF: 4050206.4/62

- sign 188.503 $\pm$ 0.034 χ^2 /NDF: 2121014.7/31

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 873.686 ± 67.855 χ^2/NDF : 1210.8/13

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

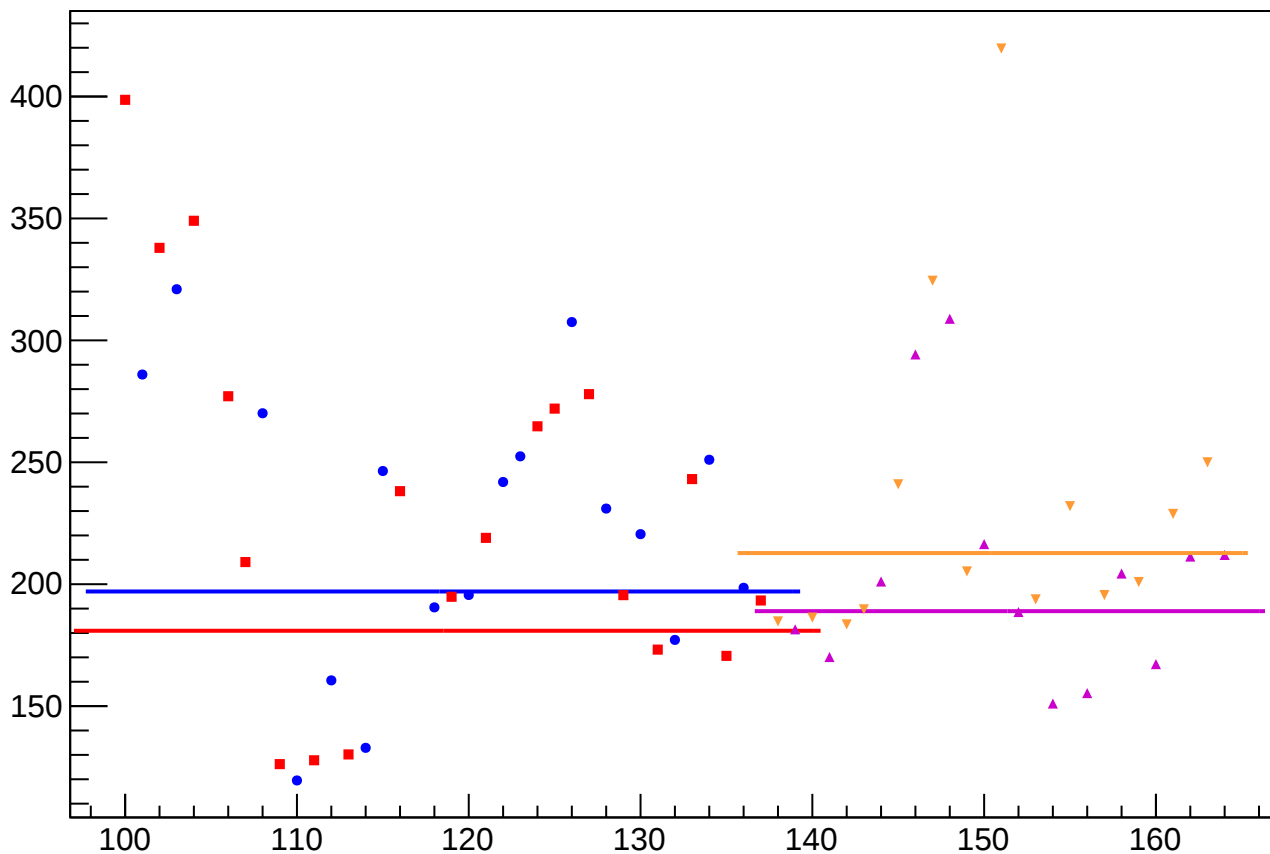
Left In: -501.521 ± 61.406 χ^2/NDF : 914.1/12

+ sign 384.195 ± 51.791 χ^2/NDF : 1742.0/30

All: 225.273 ± 34.774 χ^2/NDF : 3514.8/62

- sign 94.811 ± 46.925 χ^2/NDF : 1755.6/31

asym_bpm0l08WS_rms vs Slug



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

Left Out: 212.776+/-0.048 χ^2/NDF : 764266.2/13

Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

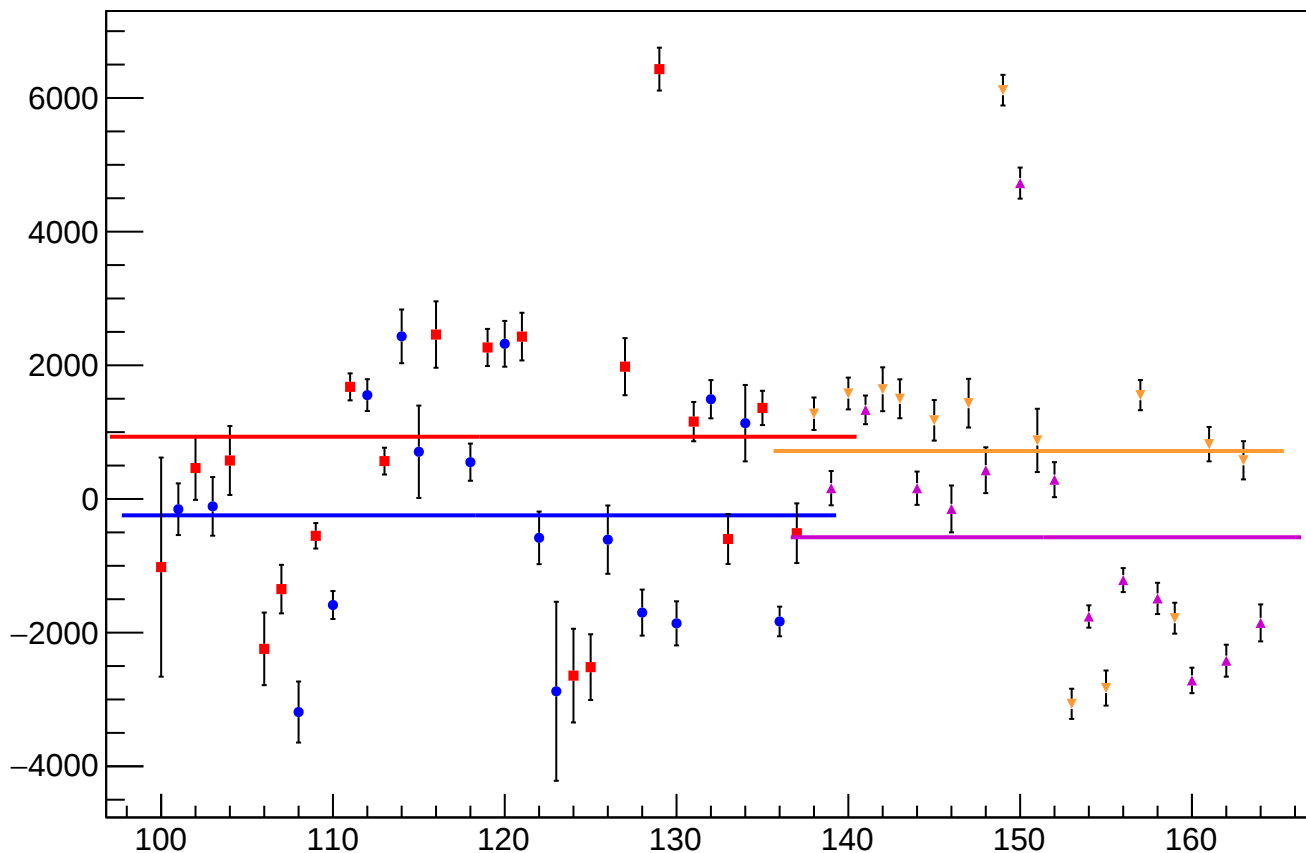
Left In: 188.948+/-0.043 χ^2/NDF : 741732.8/12

+ sign 206.196+/-0.037 χ^2/NDF : 1721238.2/30

All: 194.886+/-0.025 χ^2/NDF : 3996589.6/62

- sign 185.602+/-0.033 χ^2/NDF : 2101689.9/31

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 $\chi^2/\text{NDF}: 391.4/16$

Left Out: 717.946 ± 71.189 $\chi^2/\text{NDF}: 1188.0/13$

Right Out: 931.272 ± 74.206 $\chi^2/\text{NDF}: 609.7/18$

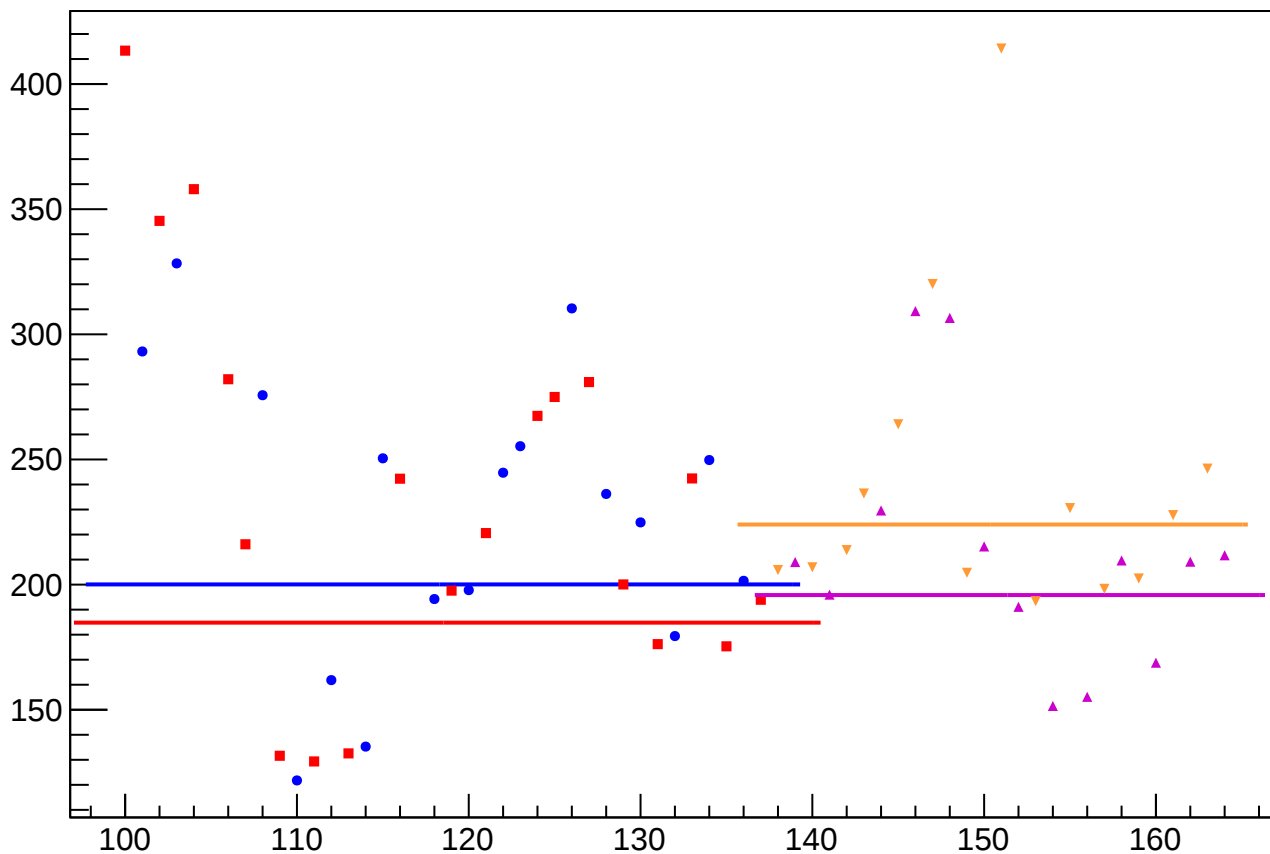
Left In: -572.741 ± 63.765 $\chi^2/\text{NDF}: 922.5/12$

+ sign 300.628 ± 53.585 $\chi^2/\text{NDF}: 1658.7/30$

All: 171.376 ± 35.902 $\chi^2/\text{NDF}: 3437.8/62$

- sign 66.094 ± 48.362 $\chi^2/\text{NDF}: 1768.6/31$

asym_bpm0l09WS_rms vs Slug



Right In: 200.078 $\pm$ 0.058 χ^2 /NDF: 918309.2/16

Left Out: 224.005 $\pm$ 0.050 χ^2 /NDF: 631570.5/13

Right Out: 184.807 $\pm$ 0.052 χ^2 /NDF: 1318267.6/18

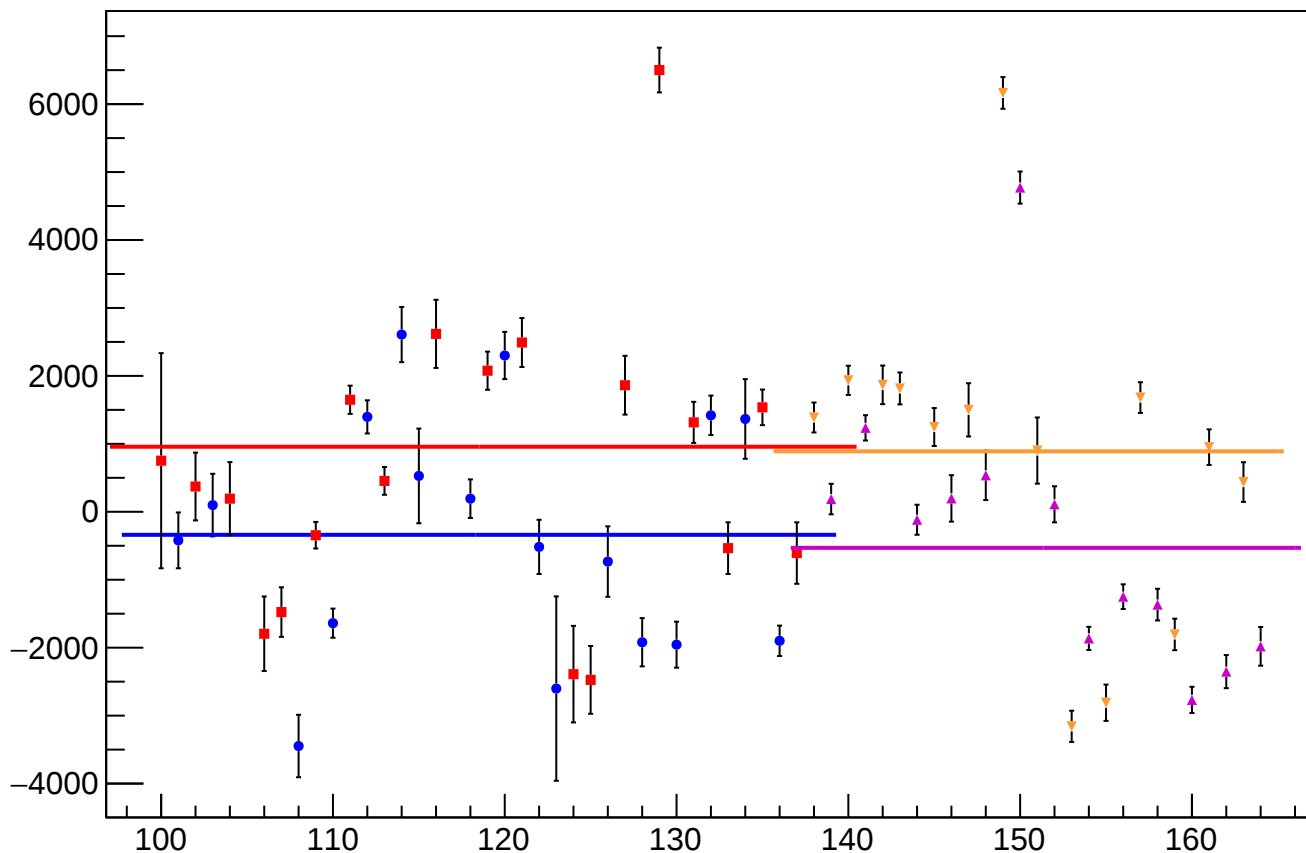
Left In: 195.834 $\pm$ 0.045 χ^2 /NDF: 777571.6/12

+ sign 213.635 $\pm$ 0.038 χ^2 /NDF: 1647802.0/30

All: 201.244 $\pm$ 0.025 χ^2 /NDF: 3963106.4/62

- sign 191.150 $\pm$ 0.034 χ^2 /NDF: 2121244.0/31

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 890.018 ± 68.680 χ^2/NDF : 1222.3/13

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

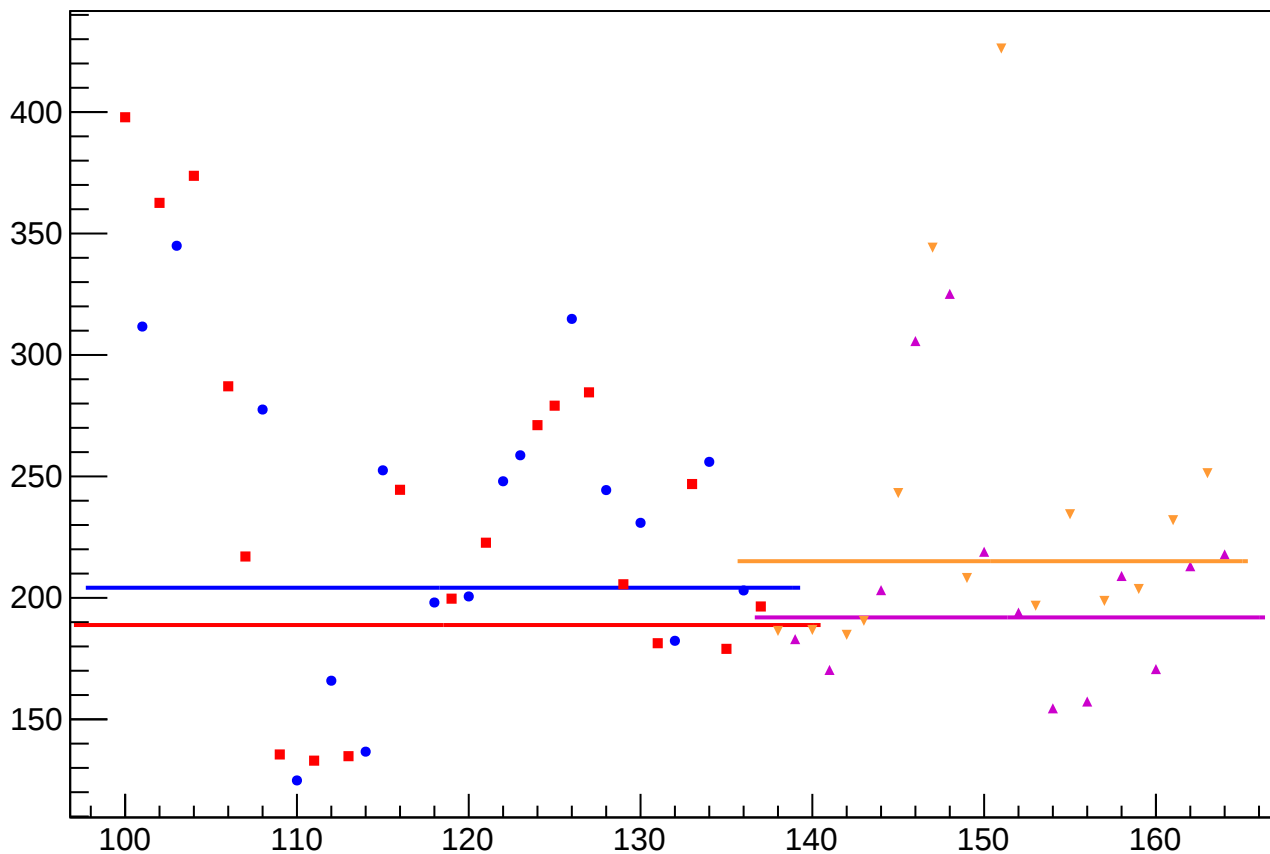
Left In: -530.461 ± 62.435 χ^2/NDF : 932.0/12

+ sign 391.402 ± 52.946 χ^2/NDF : 1741.7/30

All: 216.418 ± 35.634 χ^2/NDF : 3493.7/62

- sign 71.525 ± 48.179 χ^2/NDF : 1732.1/31

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 215.100 $\pm$ 0.049 χ^2 /NDF: 805092.5/13

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

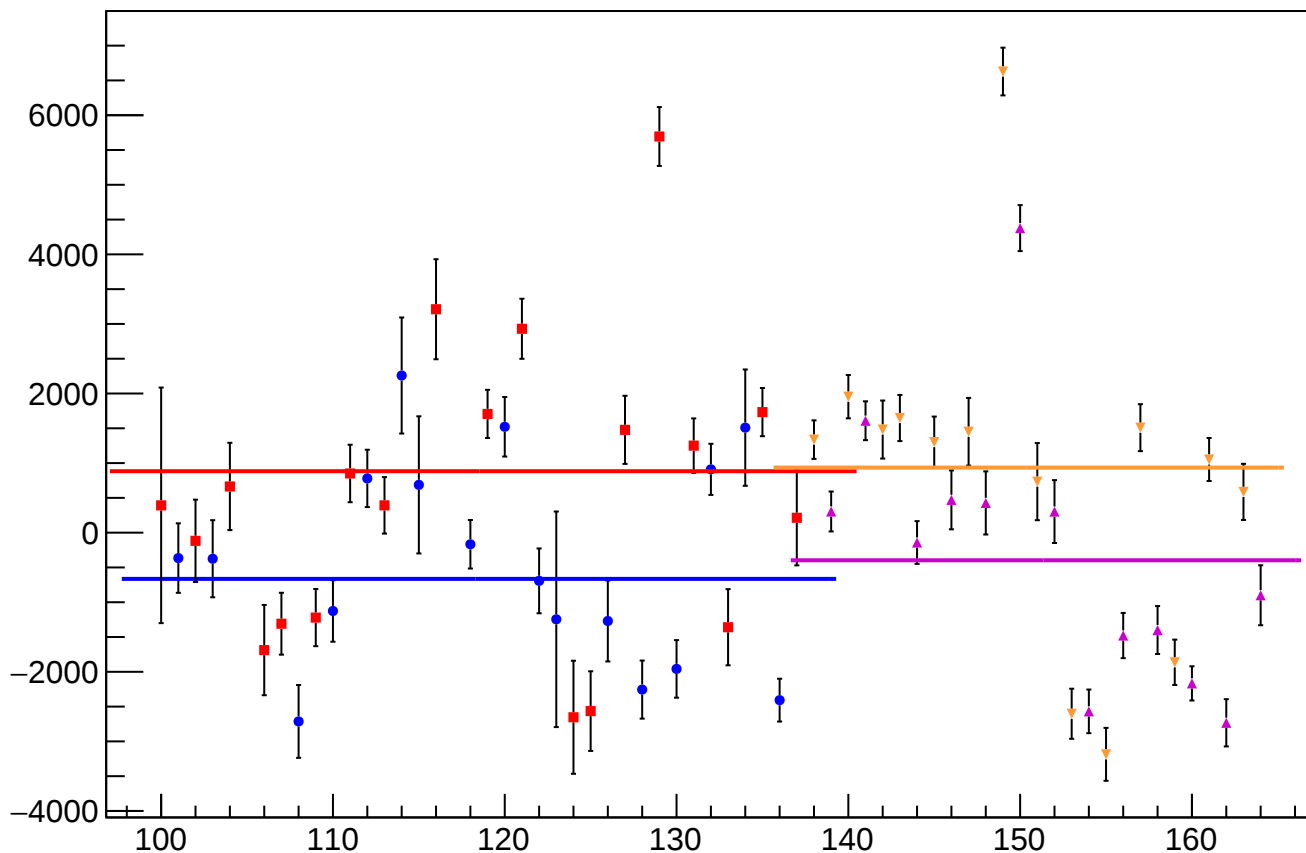
Left In: 191.958 $\pm$ 0.044 χ^2 /NDF: 786378.0/12

+ sign 210.668 $\pm$ 0.037 χ^2 /NDF: 1773062.2/30

All: 199.739 $\pm$ 0.025 χ^2 /NDF: 4032154.0/62

- sign 190.689 $\pm$ 0.034 χ^2 /NDF: 2103311.9/31

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 $\chi^2/\text{NDF}: 154.3/16$

Left Out: 935.325 ± 94.885 $\chi^2/\text{NDF}: 588.6/13$

Right Out: 883.255 ± 110.875 $\chi^2/\text{NDF}: 320.1/18$

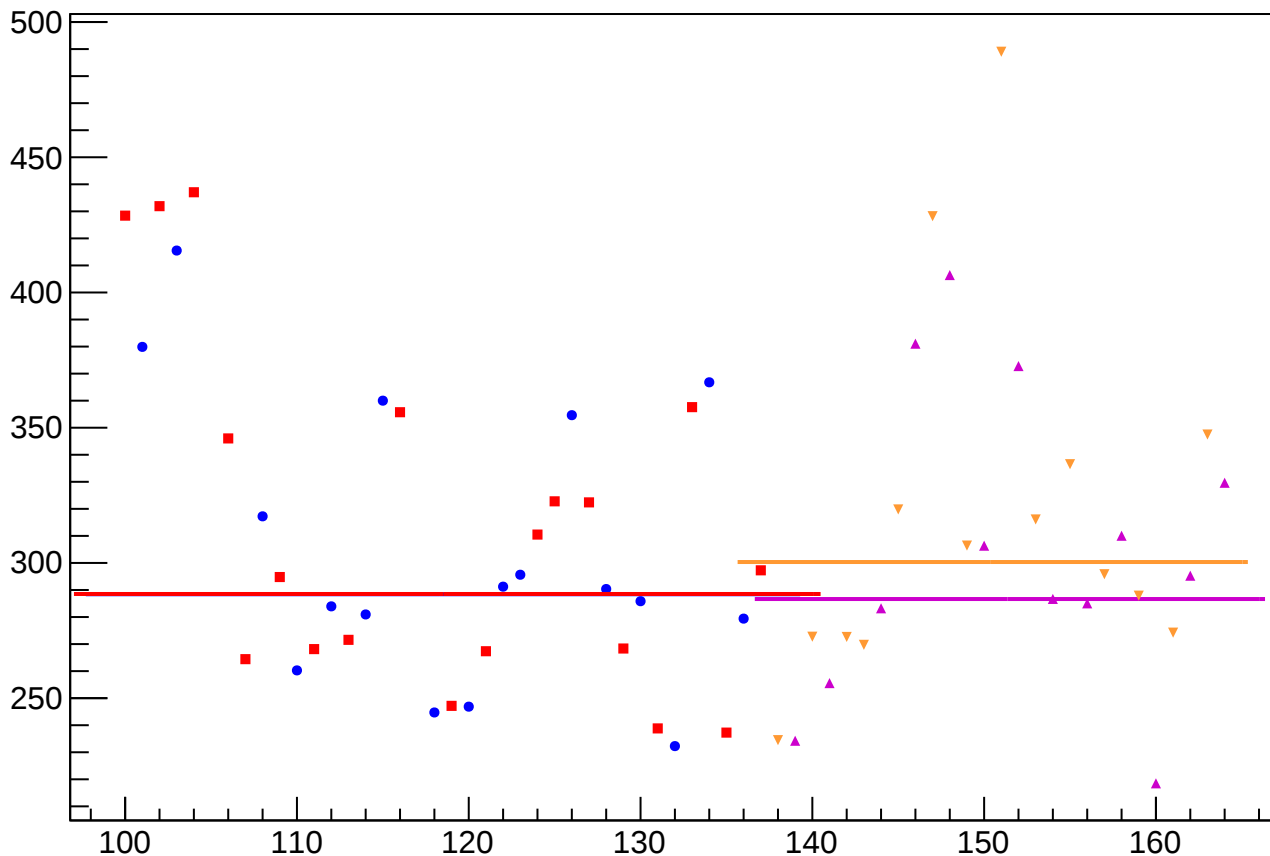
Left In: -397.030 ± 91.782 $\chi^2/\text{NDF}: 444.8/12$

+ sign 280.294 ± 72.915 $\chi^2/\text{NDF}: 859.3/30$

All: 199.508 ± 50.758 $\chi^2/\text{NDF}: 1705.6/62$

- sign 123.555 ± 70.701 $\chi^2/\text{NDF}: 844.0/31$

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 300.343 $\pm$ 0.067 χ^2 /NDF: 597450.1/13

Right Out: 288.522 $\pm$ 0.078 χ^2 /NDF: 455410.1/18

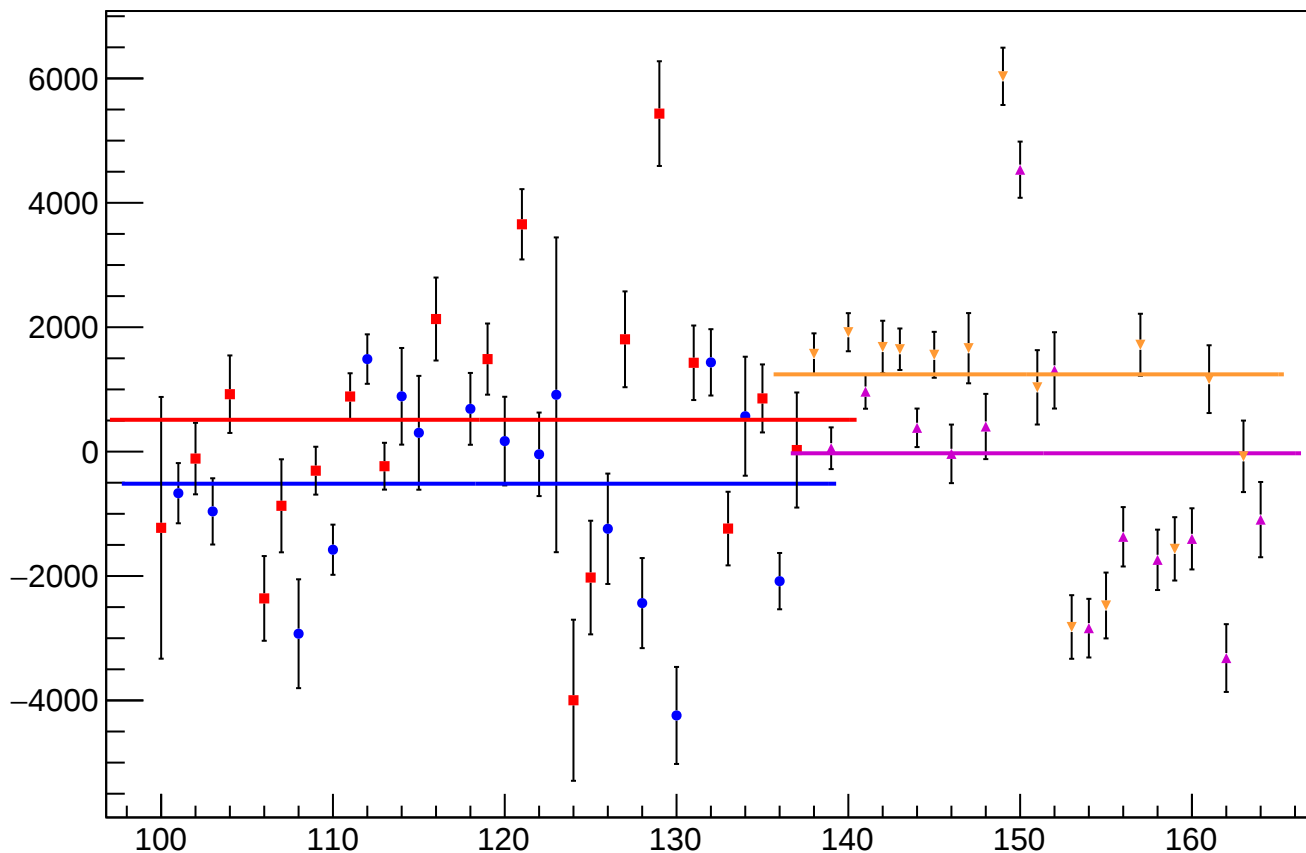
Left In: 286.659 $\pm$ 0.065 χ^2 /NDF: 594574.5/12

+ sign 295.464 $\pm$ 0.052 χ^2 /NDF: 950183.3/30

All: 291.316 $\pm$ 0.036 χ^2 /NDF: 2013060.7/62

- sign 287.416 $\pm$ 0.050 χ^2 /NDF: 1050319.8/31

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 χ^2/NDF : 108.0/16

Left Out: 1242.333 ± 116.173 χ^2/NDF : 267.0/13

Right Out: 511.851 ± 135.798 χ^2/NDF : 141.3/18

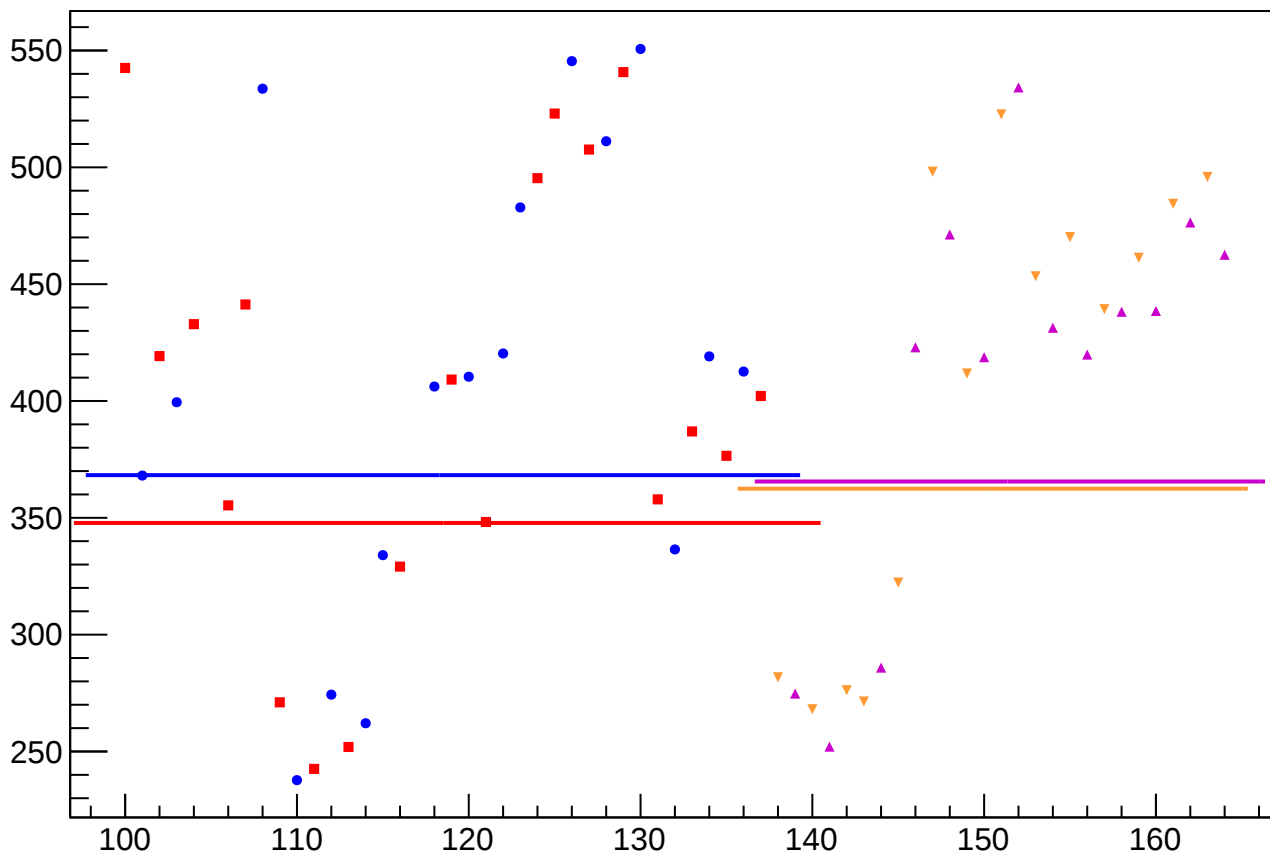
Left In: -26.796 ± 118.187 χ^2/NDF : 225.4/12

+ sign 568.228 ± 91.224 χ^2/NDF : 462.8/30

All: 382.625 ± 63.760 χ^2/NDF : 846.5/62

- sign 205.357 ± 89.152 χ^2/NDF : 375.7/31

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 362.467+/-0.082 χ^2/NDF :1324445.3/13

Right Out: 347.802+/-0.096 χ^2/NDF : 821862.5/18

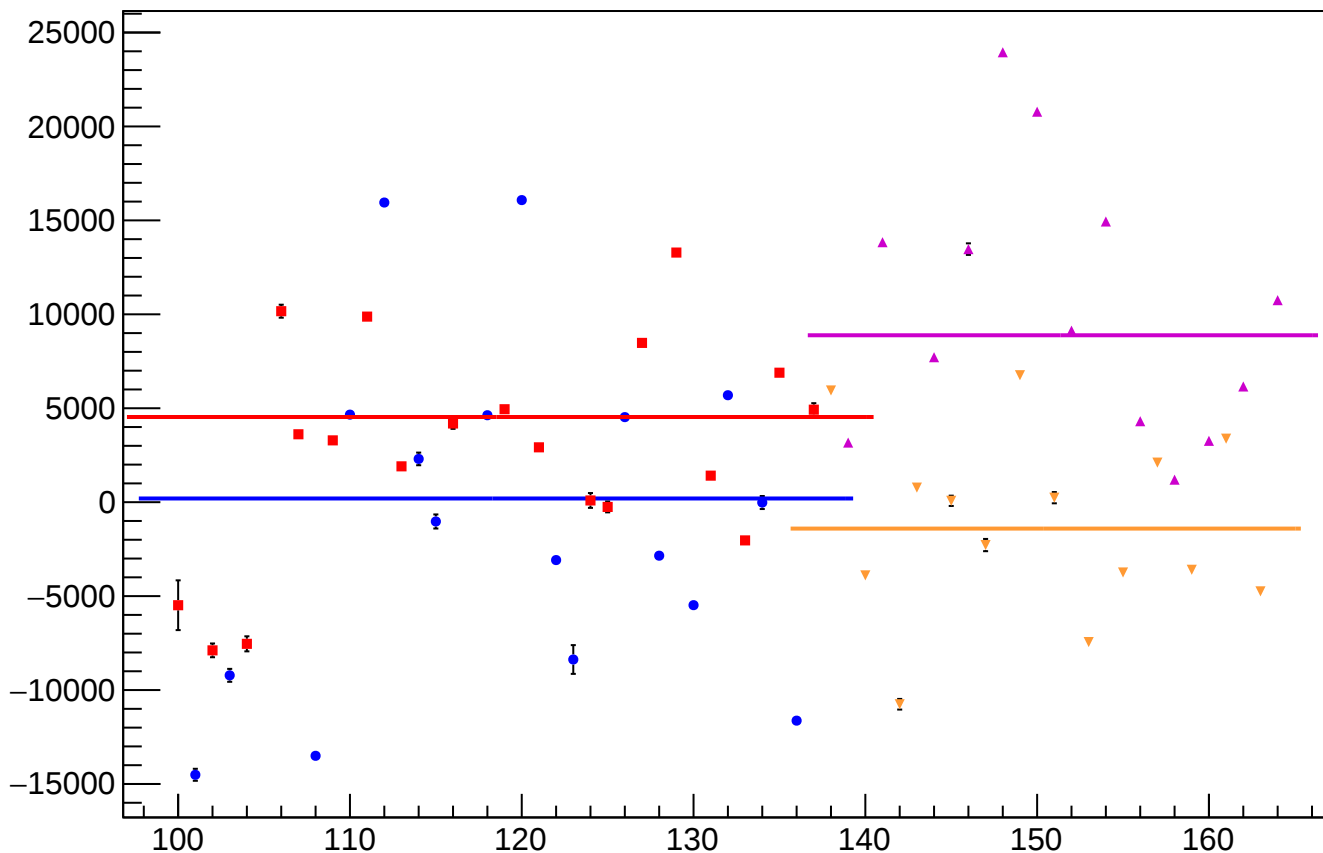
Left In: 365.550+/-0.084 χ^2/NDF :1196593.8/12

+ sign 364.690+/-0.065 χ^2/NDF : 2096471.1/30

All: 361.217+/-0.045 χ^2/NDF : 4140031.3/62

- sign 357.901+/-0.063 χ^2/NDF : 2037894.4/31

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2 /NDF: 30658.3/16

Left Out: -1405.497 $\pm$ 53.485 χ^2 /NDF: 7572.5/13

Right Out: 4534.200 $\pm$ 52.462 χ^2 /NDF: 7477.2/18

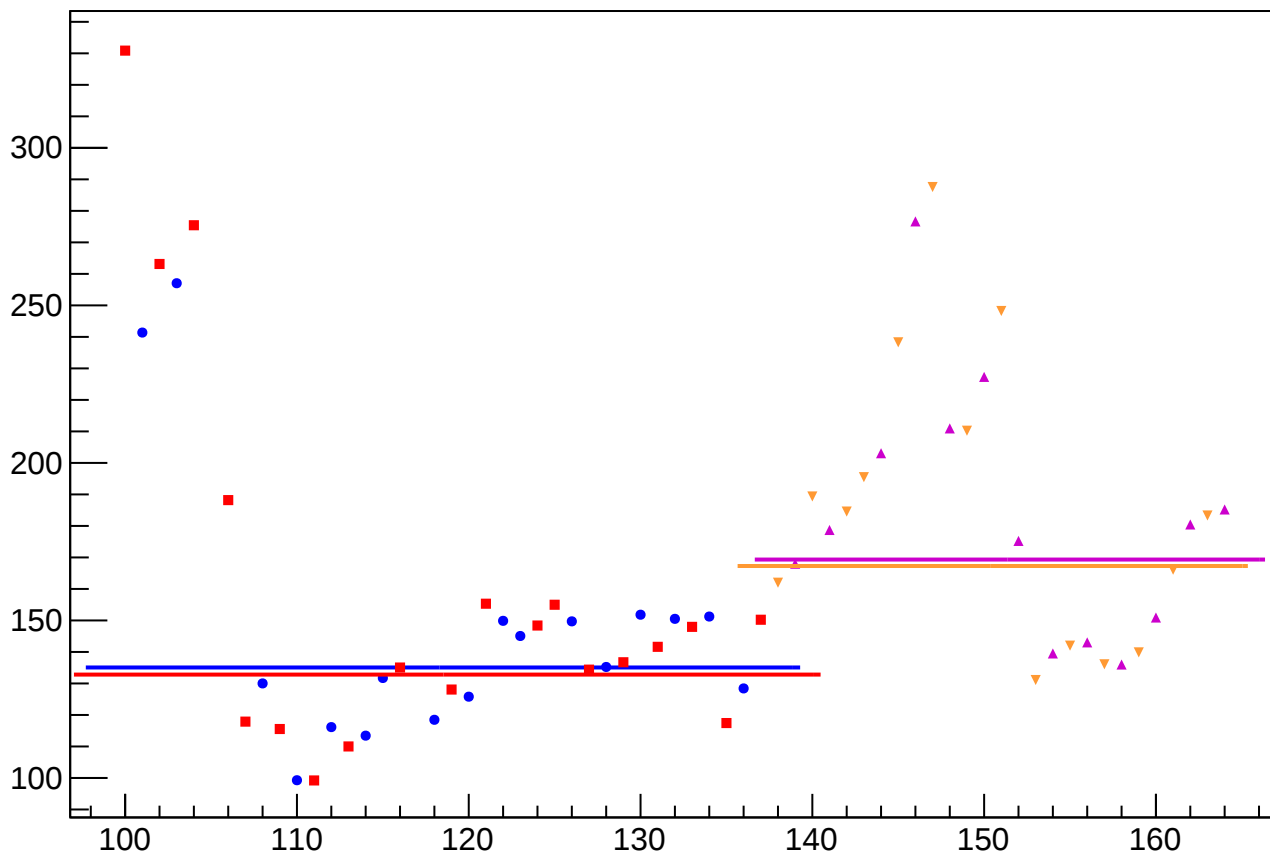
Left In: 8884.817 $\pm$ 54.906 χ^2 /NDF: 14070.4/12

+ sign -623.678 $\pm$ 38.276 χ^2 /NDF: 38668.8/30

All: 3026.140 $\pm$ 26.942 χ^2 /NDF: 81521.1/62

- sign 6610.496 $\pm$ 37.931 χ^2 /NDF: 24829.8/31

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 167.280+/-0.038 χ^2/NDF : 1000747.6/13

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

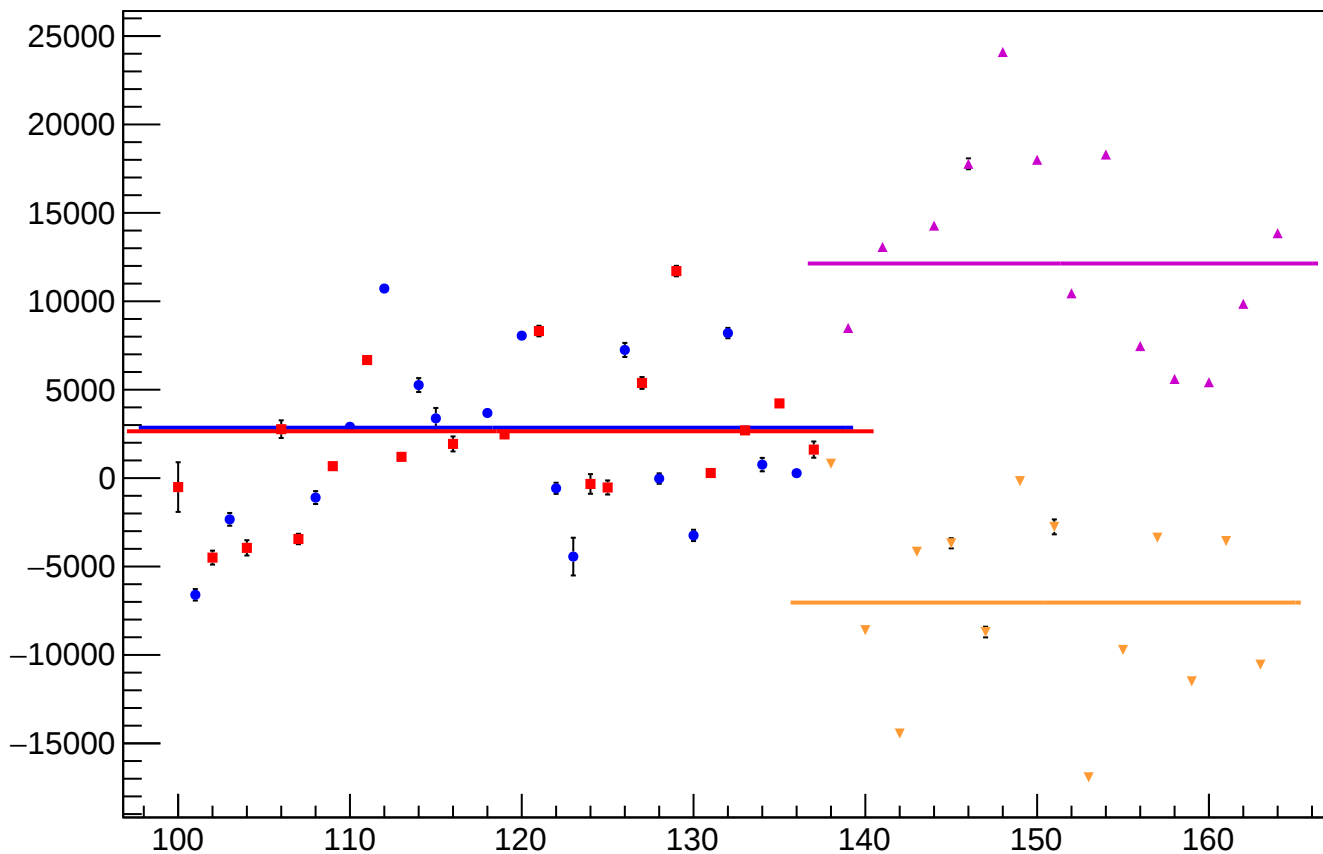
Left In: 169.328+/-0.039 χ^2/NDF : 729200.0/12

+ sign 151.566+/-0.027 χ^2/NDF : 2013286.1/30

All: 150.898+/-0.019 χ^2/NDF : 4037221.3/62

- sign 150.241+/-0.027 χ^2/NDF : 2022725.7/31

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -7038.282+/-61.599 χ^2/NDF : 7653.4/13

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

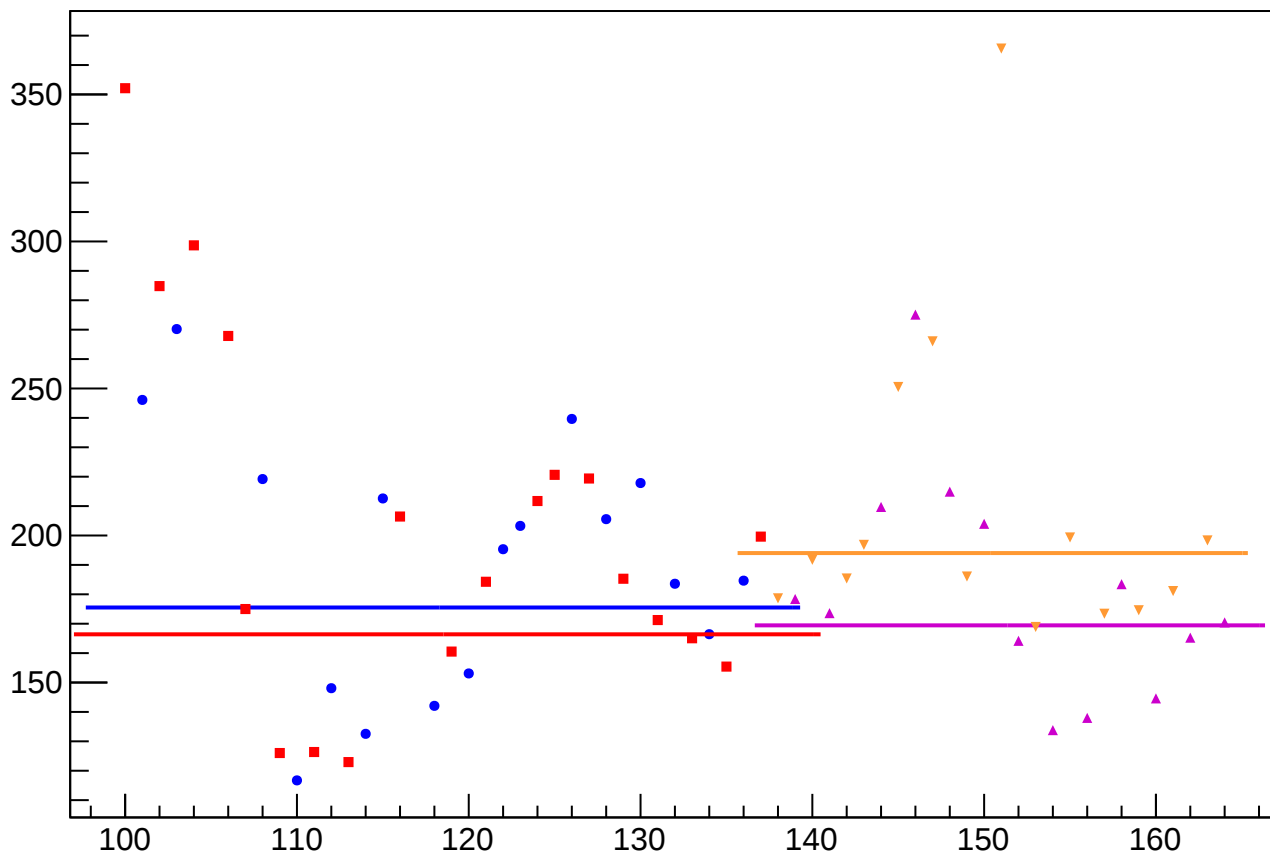
Left In: 12137.628+/-55.000 χ^2/NDF : 9418.8/12

+ sign -2774.208+/-46.459 χ^2/NDF : 22945.4/30

All: 3257.755+/-31.230 χ^2/NDF : 78549.5/62

- sign 8230.127+/-42.181 χ^2/NDF : 24851.1/31

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 194.027 $\pm$ 0.044 χ^2 /NDF: 620297.7/13

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

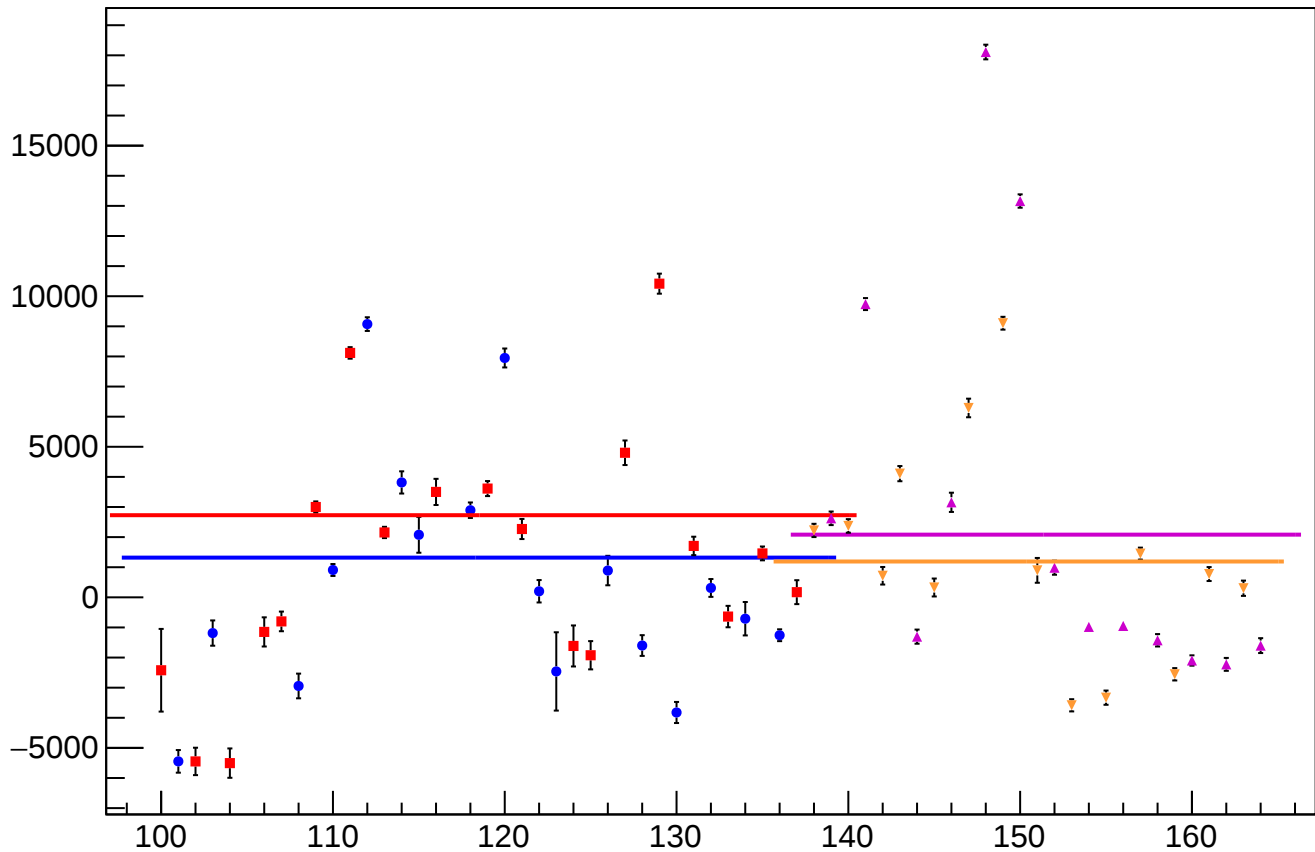
Left In: 169.441 $\pm$ 0.039 χ^2 /NDF: 675401.2/12

+ sign 186.045 $\pm$ 0.033 χ^2 /NDF: 1387829.5/30

All: 176.255 $\pm$ 0.022 χ^2 /NDF: 3157302.8/62

- sign 168.185 $\pm$ 0.030 χ^2 /NDF: 1607464.7/31

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1190.162+/-64.203 χ^2/NDF : 3116.6/13

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

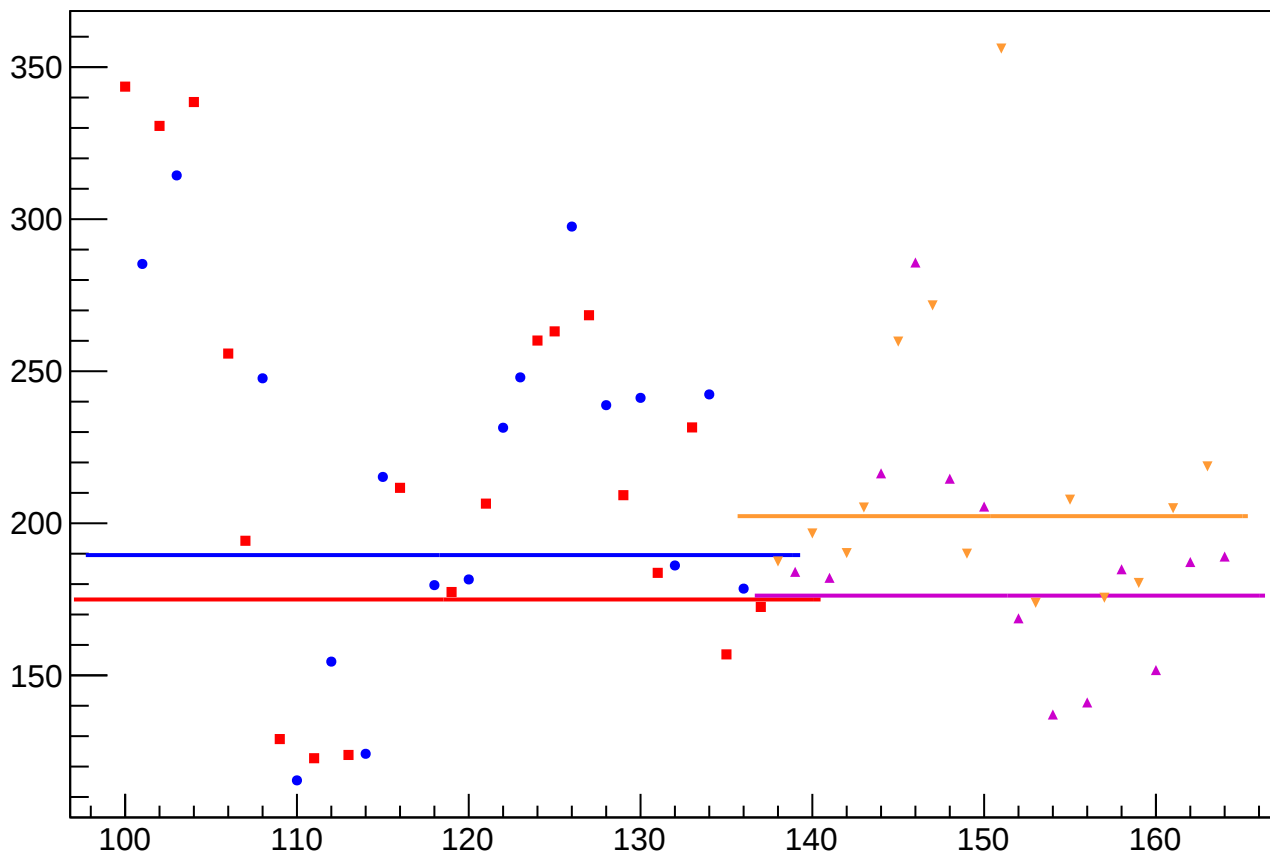
Left In: 2081.815+/-57.223 χ^2/NDF : 10803.5/12

+ sign 1242.886+/-49.349 χ^2/NDF : 5785.3/30

All: 1850.536+/-32.970 χ^2/NDF : 19409.6/62

- sign 2340.446+/-44.311 χ^2/NDF : 13350.4/31

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 202.346 $\pm$ 0.045 χ^2 /NDF: 582333.9/13

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

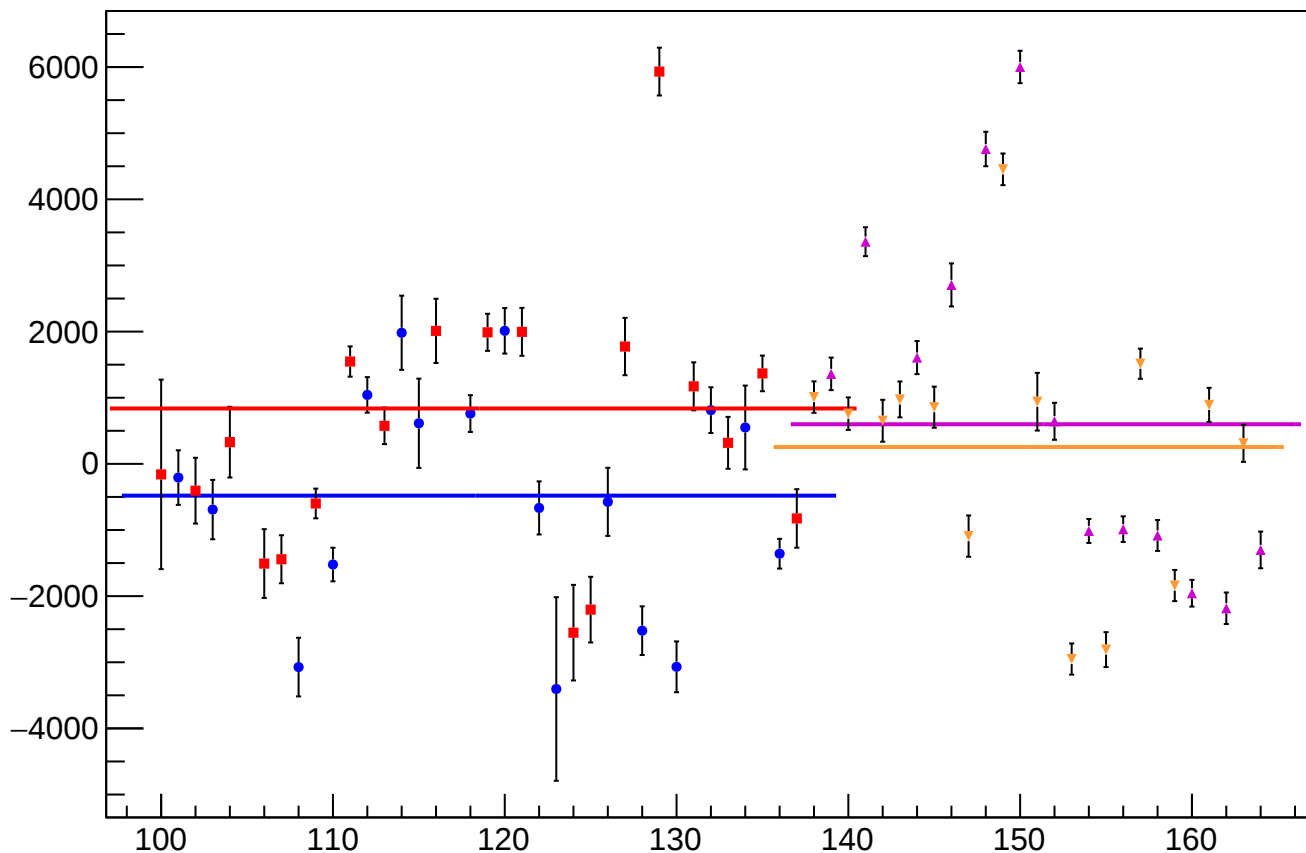
Left In: 176.214 $\pm$ 0.040 χ^2 /NDF: 665805.7/12

+ sign 197.108 $\pm$ 0.035 χ^2 /NDF: 1595614.9/30

All: 185.258 $\pm$ 0.023 χ^2 /NDF: 3767190.1/62

- sign 175.705 $\pm$ 0.031 χ^2 /NDF: 1963306.7/31

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 $\pm$ 88.640 χ^2 /NDF: 290.7/16

Left Out: 254.797 $\pm$ 71.009 χ^2 /NDF:790.4/13

Right Out: 837.442 $\pm$ 82.243 χ^2 /NDF: 435.3/18

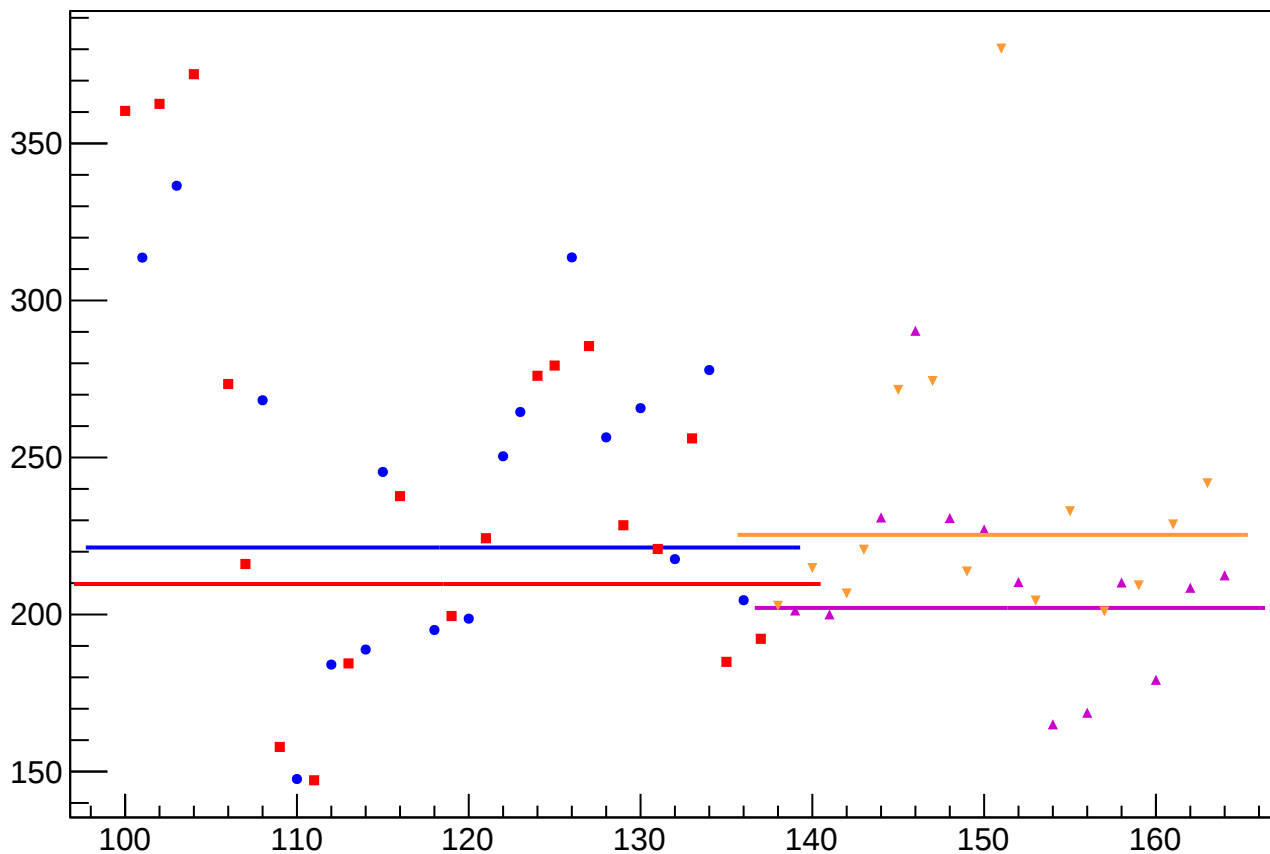
Left In: 598.803 $\pm$ 64.899 χ^2 /NDF:1510.1/12

+ sign -32.657 $\pm$ 55.419 χ^2 /NDF: 1123.0/30

All: 359.208 $\pm$ 37.507 χ^2 /NDF: 3165.8/62

- sign 690.379 $\pm$ 50.947 χ^2 /NDF: 1950.6/31

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 225.364 $\pm$ 0.050 χ^2 /NDF: 435866.7/13

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

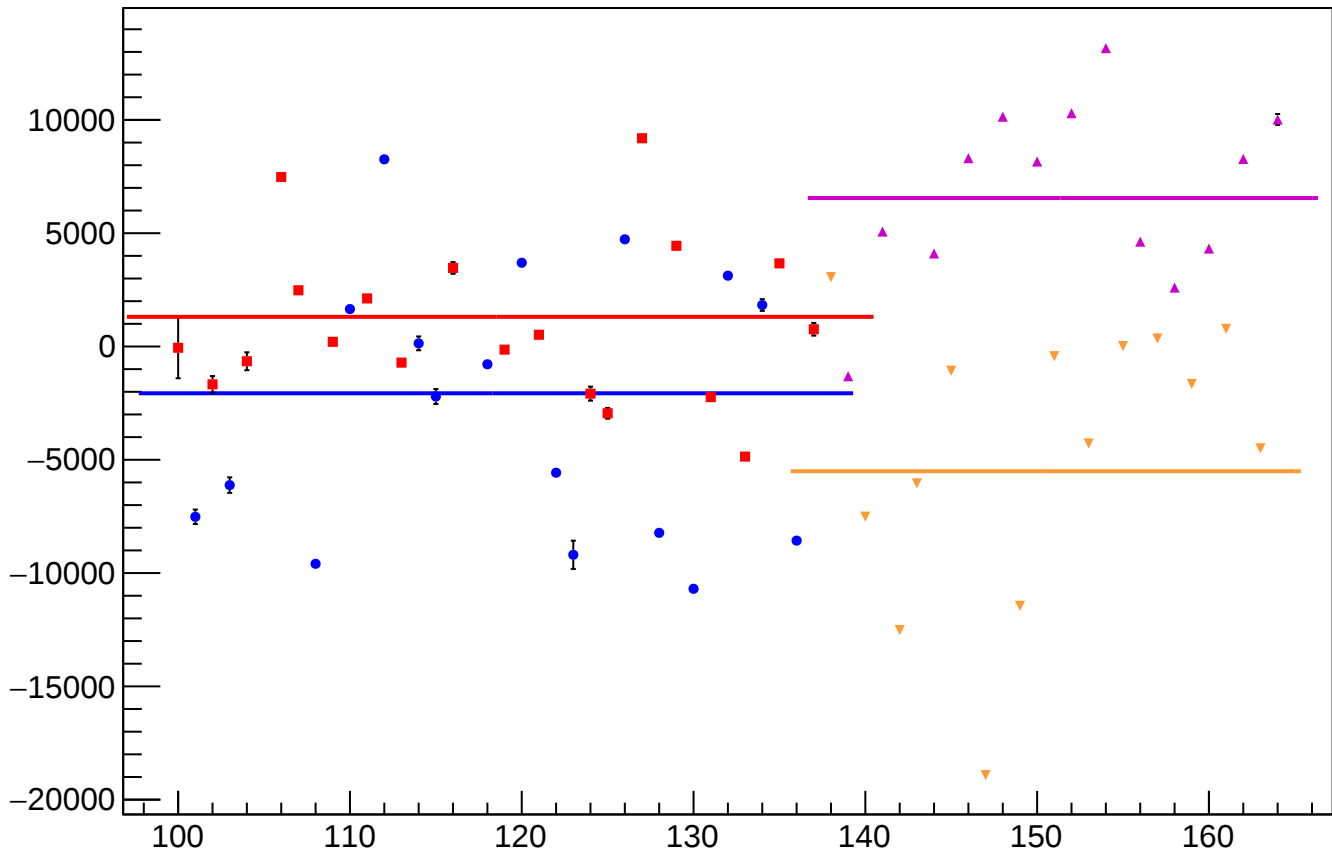
Left In: 202.105 $\pm$ 0.046 χ^2 /NDF: 395549.0/12

+ sign 223.792 $\pm$ 0.039 χ^2 /NDF: 1084063.3/30

All: 213.621 $\pm$ 0.027 χ^2 /NDF: 2498382.8/62

- sign 205.026 $\pm$ 0.036 χ^2 /NDF: 1290024.9/31

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -5504.459 ± 38.476 χ^2/NDF : 28162.0/13

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

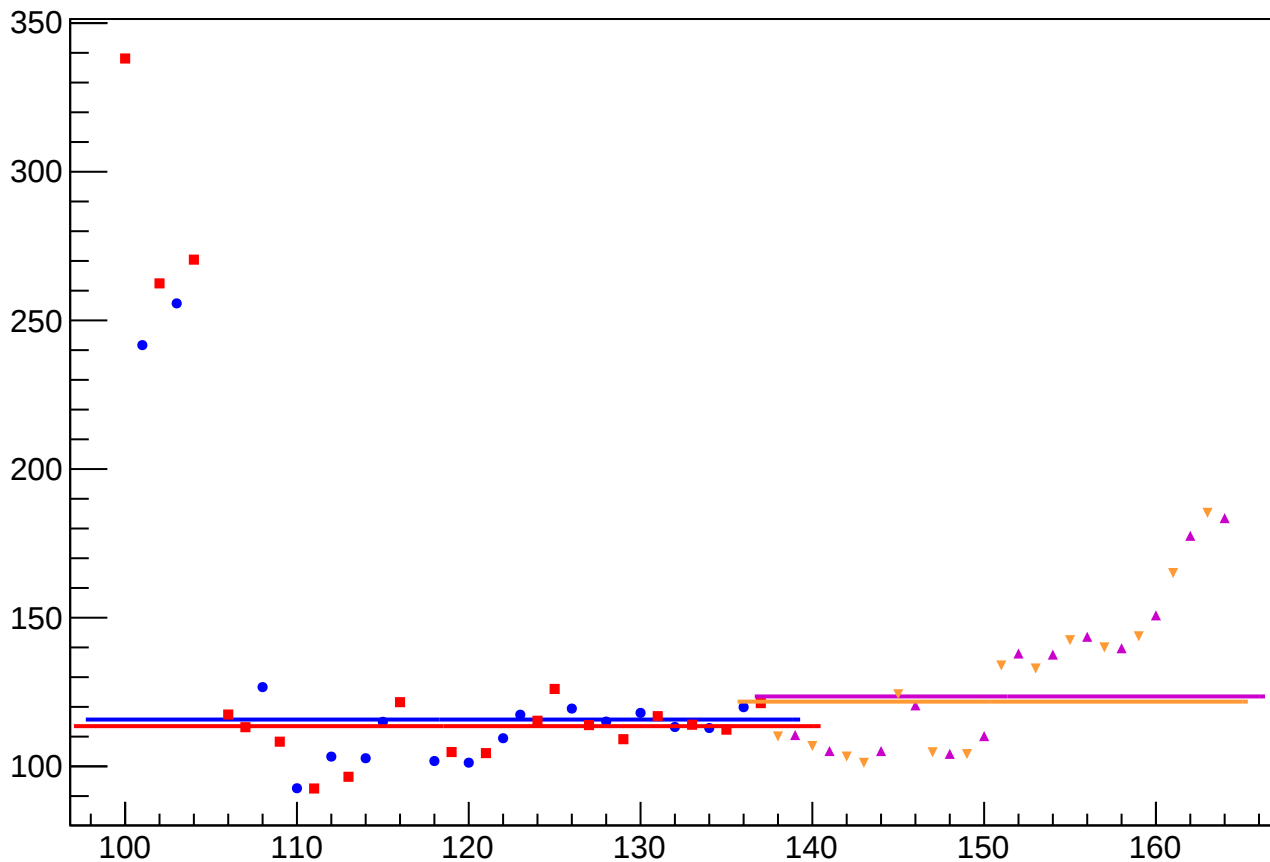
Left In: 6551.895 ± 39.417 χ^2/NDF : 8962.2/12

+ sign -4135.670 ± 29.854 χ^2/NDF : 47875.2/30

All: 98.546 ± 21.038 χ^2/NDF : 110374.8/62

- sign 4275.499 ± 29.651 χ^2/NDF : 22538.8/31

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 121.768+/-0.027 χ^2/NDF : 617493.4/13

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

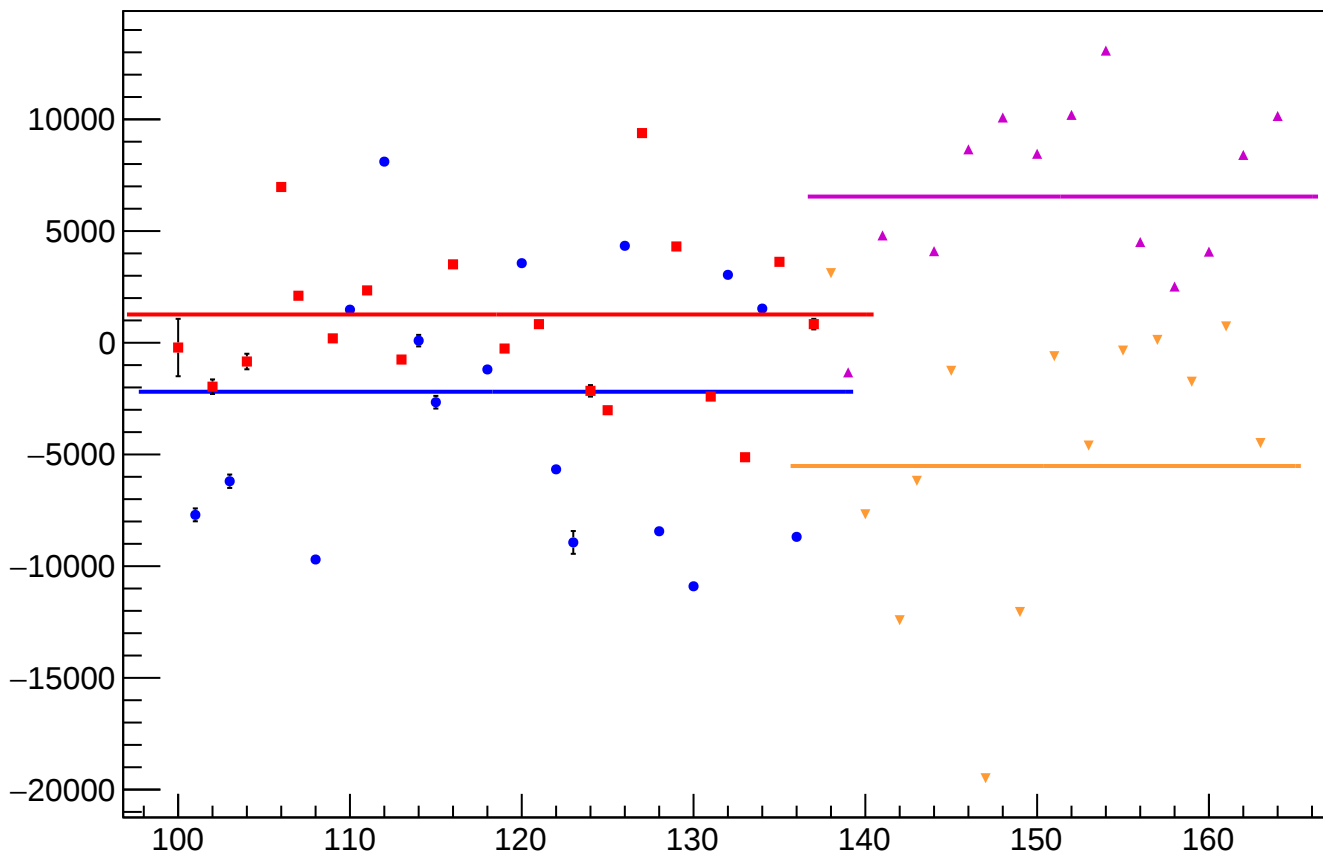
Left In: 123.514+/-0.028 χ^2/NDF : 604912.3/12

+ sign 119.369+/-0.021 χ^2/NDF : 1381044.1/30

All: 119.271+/-0.015 χ^2/NDF : 2838462.7/62

- sign 119.175+/-0.021 χ^2/NDF : 1457375.8/31

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -5516.425 ± 34.815 χ^2/NDF : 34228.5/13

Right Out: 1266.189 ± 38.048 χ^2/NDF : 8550.5/18

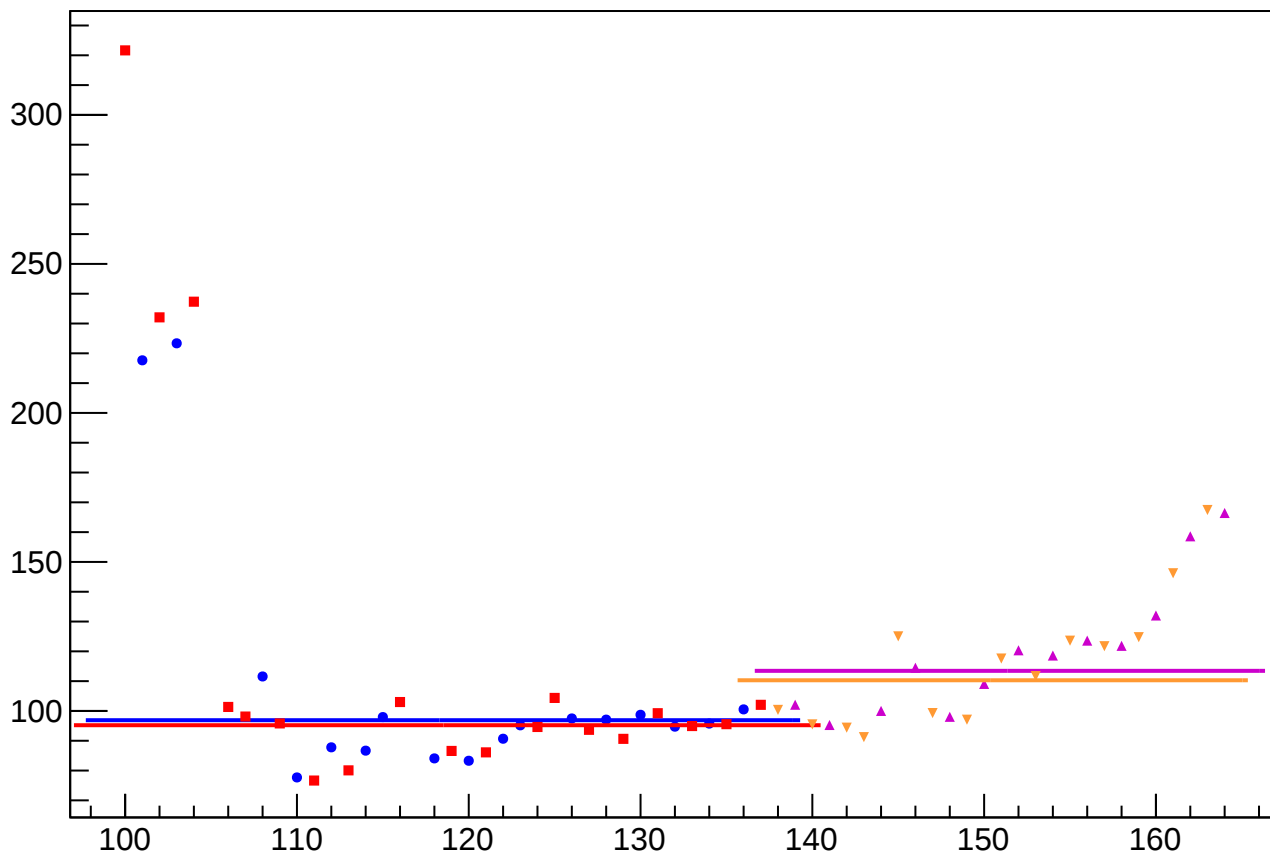
Left In: 6544.073 ± 36.103 χ^2/NDF : 11202.0/12

+ sign -4081.361 ± 26.245 χ^2/NDF : 60977.6/30

All: -10.308 ± 18.538 χ^2/NDF : 138875.4/62

- sign 4043.464 ± 26.189 χ^2/NDF : 29877.9/31

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 110.295+/-0.025 χ^2/NDF : 526750.1/13

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

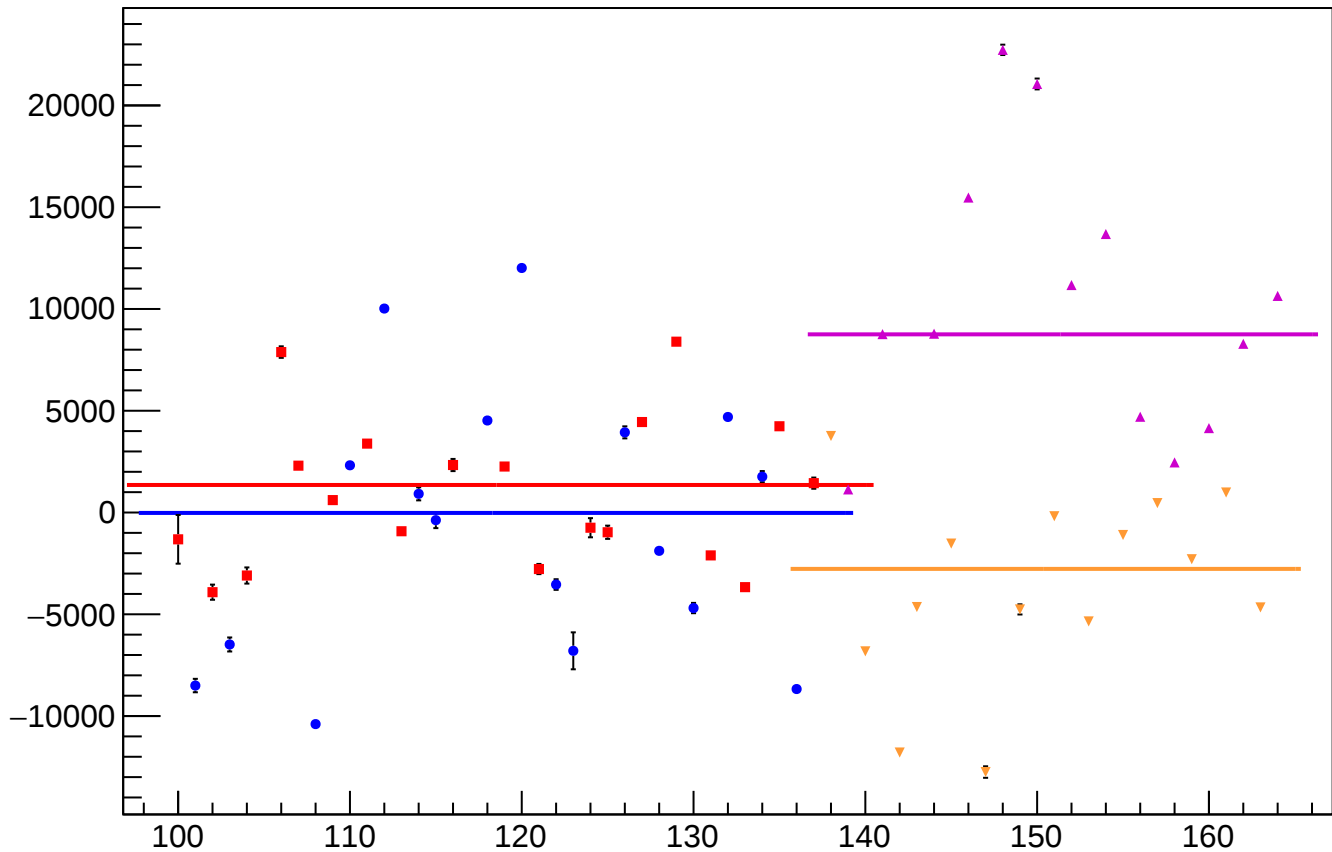
Left In: 113.459+/-0.026 χ^2/NDF : 447435.3/12

+ sign 104.509+/-0.019 χ^2/NDF : 1471901.3/30

All: 104.662+/-0.013 χ^2/NDF : 3021281.8/62

- sign 104.814+/-0.019 χ^2/NDF : 1549245.2/31

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -2769.329 ± 49.289 χ^2/NDF : 6705.8/13

Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

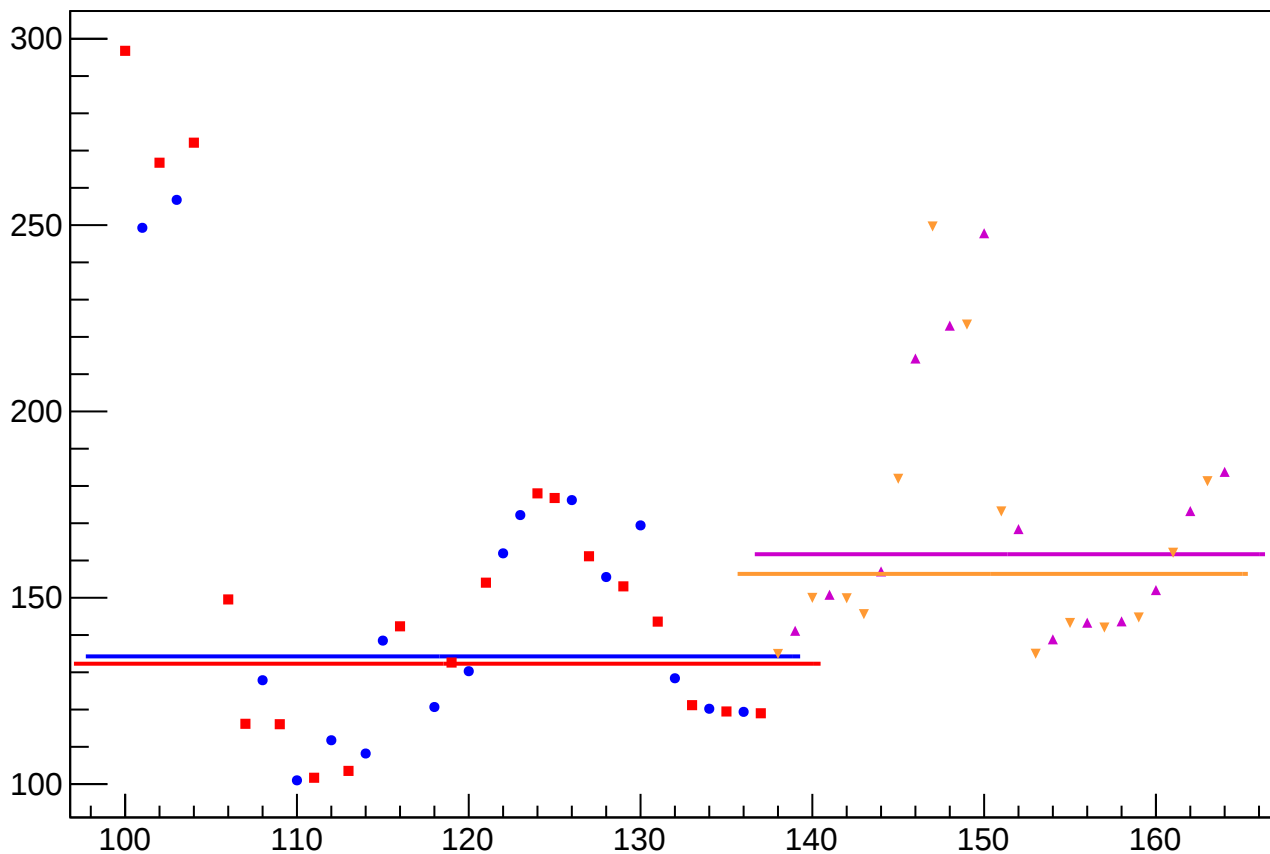
Left In: 8753.420 ± 51.649 χ^2/NDF : 12018.8/12

+ sign -1535.941 ± 36.599 χ^2/NDF : 24462.7/30

All: 1768.614 ± 25.941 χ^2/NDF : 66822.6/62

- sign 5104.497 ± 36.772 χ^2/NDF : 25978.1/31

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 ± 0.039 χ^2/NDF : 788647.0/16

Left Out: 156.407 ± 0.035 χ^2/NDF : 562573.1/13

Right Out: 132.302 ± 0.037 χ^2/NDF : 869892.7/18

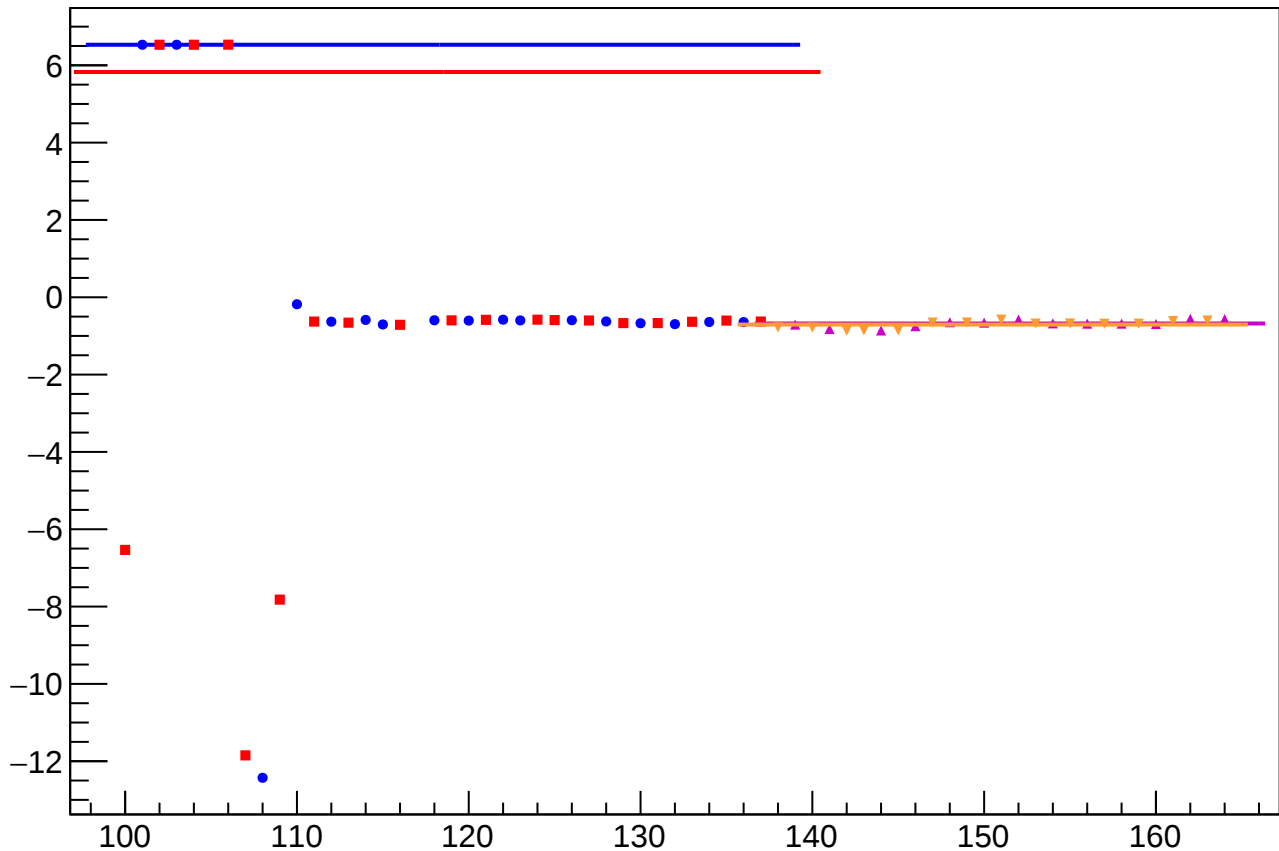
Left In: 161.683 ± 0.037 χ^2/NDF : 588336.5/12

+ sign 146.475 ± 0.026 χ^2/NDF : 1532245.6/30

All: 146.834 ± 0.018 χ^2/NDF : 3310001.6/62

- sign 147.196 ± 0.026 χ^2/NDF : 1777370.3/31

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.706 $\pm$ 0.000 χ^2/NDF : 93995052.8/13

Right Out: 5.827 $\pm$ 0.000 χ^2/NDF : 755948646460090.5/18

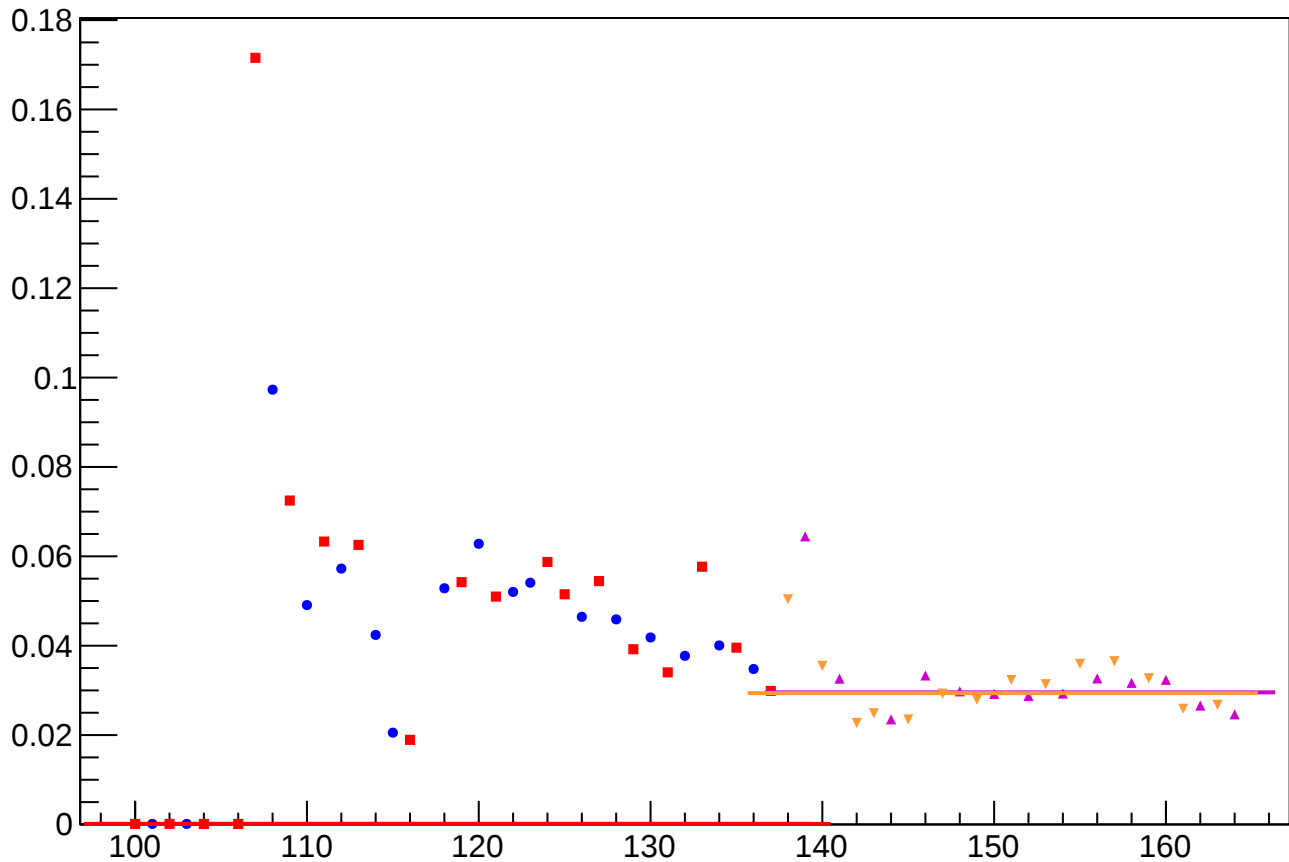
Left In: -0.678 $\pm$ 0.000 χ^2/NDF : 84903387.2/12

+ sign 6.531 $\pm$ 0.000 χ^2/NDF : 628997240036.5/30

All: 6.154 $\pm$ 0.000 χ^2/NDF : 77696842606215

- sign 5.827 $\pm$ 0.000 χ^2/NDF : 756345998184399.9/18

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.029+/-0.000 χ^2/NDF : 561972.2/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

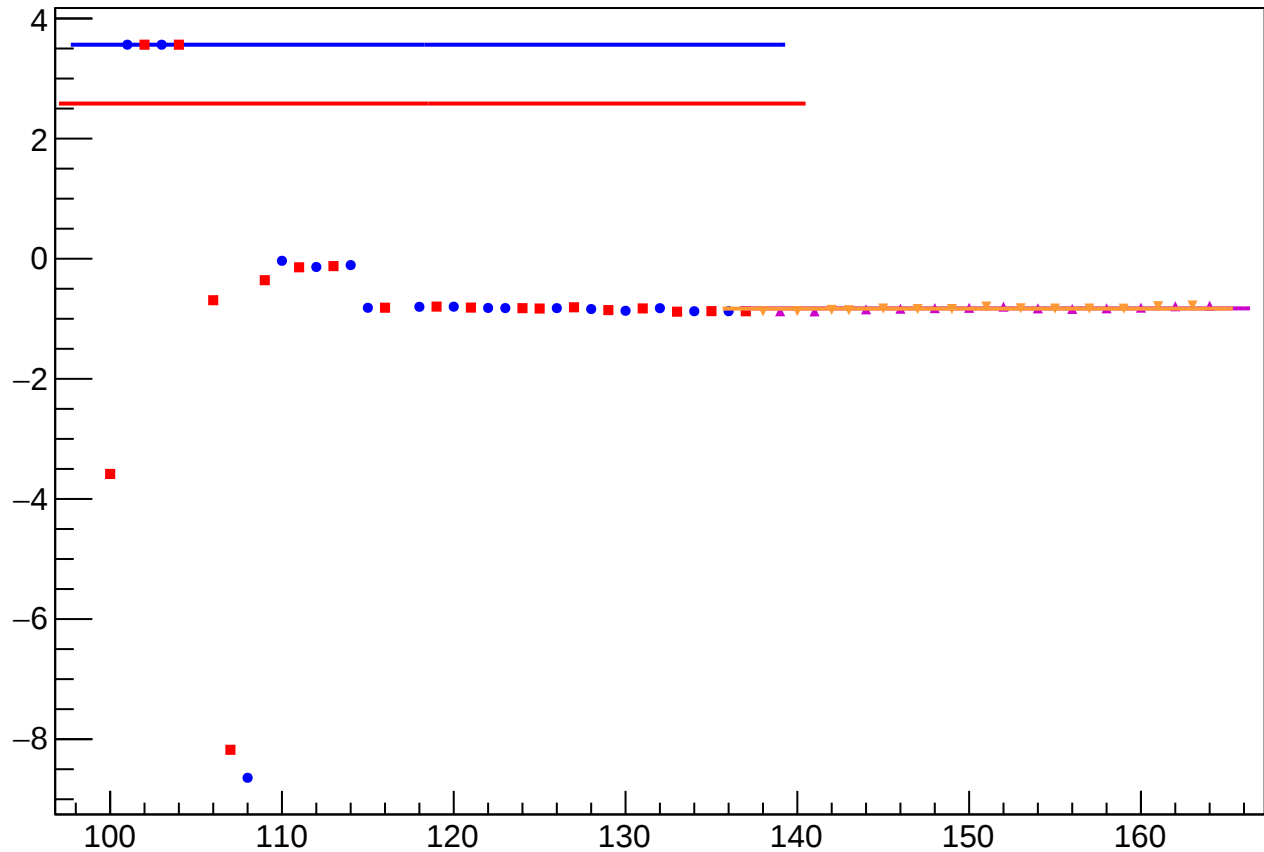
Left In: 0.030+/-0.000 χ^2/NDF : 578970.3/12

+ sign 0.000+/-0.000 χ^2/NDF : 25973631.1/30

All: 0.000+/-0.000 χ^2/NDF : 52188533.2/62

- sign 0.000+/-0.000 χ^2/NDF : 26214480.2/31

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.831+/-0.000 χ^2/NDF : 101547639.3/13

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

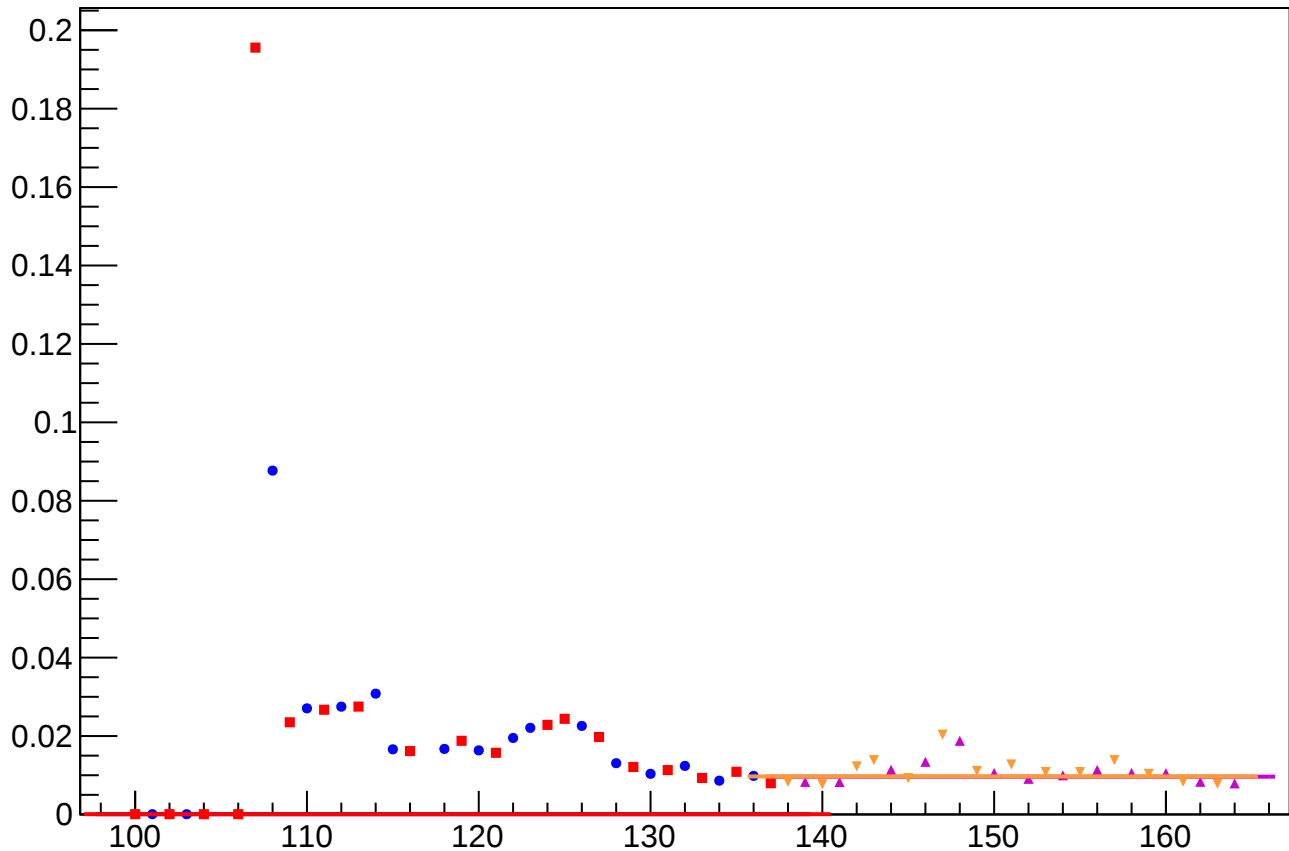
Left In: -0.827+/-0.000 χ^2/NDF : 90317119.8/12

+ sign 3.562+/-0.000 χ^2/NDF : 2131848307390.0/30

All: 3.039+/-0.000 χ^2/NDF : 13848286904990

- sign 2.582+/-0.000 χ^2/NDF : 1254507552356140.5

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 : 965625.8/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

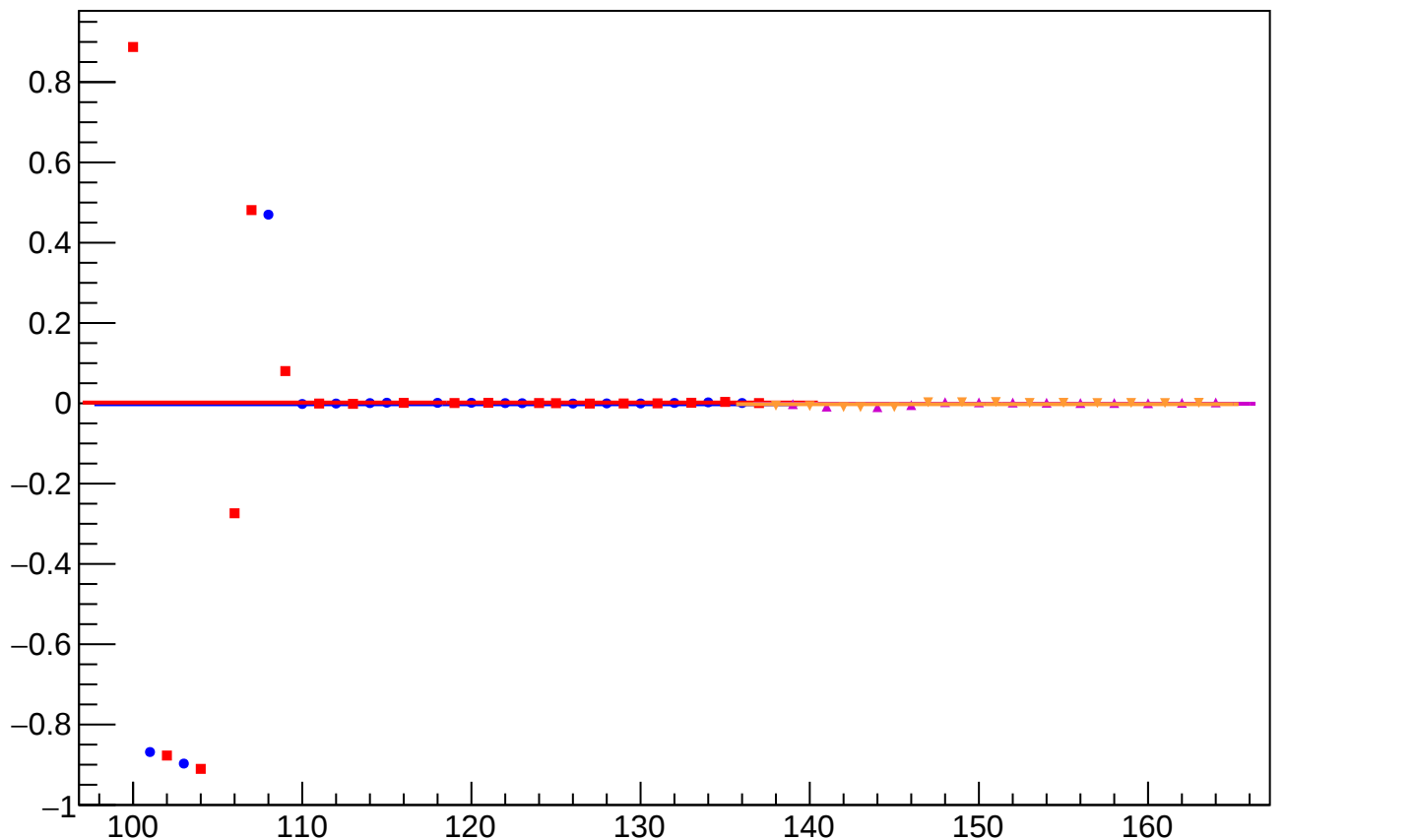
Left In: 0.010+/-0.000 χ^2/NDF : 672153.9/12

+ sign 0.000+/-0.000 χ^2/NDF : 26599314.8/30

All: 0.000+/-0.000 χ^2/NDF : 52930945.9/62

- sign 0.000+/-0.000 χ^2/NDF : 26331088.9/31

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 : 85612382.0/13

Right Out: 0.002+/-0.000 χ^2/NDF : 3041331104.7/18

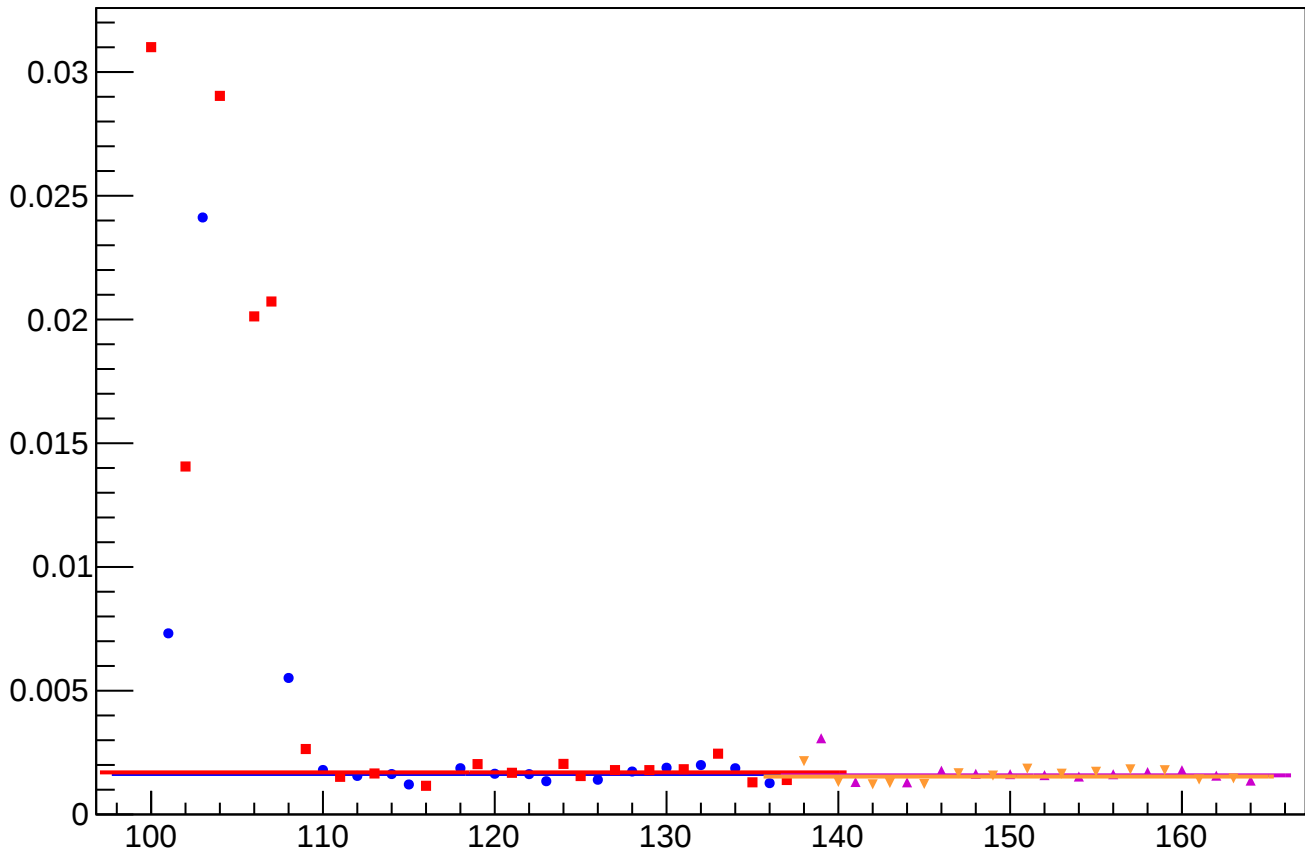
Left In: -0.001+/-0.000 χ^2/NDF : 63463415.9/12

+ sign -0.002+/-0.000 χ^2/NDF : 9881048816.7/30

All: -0.001+/-0.000 χ^2/NDF : 13005598737.9/31

- sign -0.000+/-0.000 χ^2/NDF : 3113726266.0/31

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:417809.2/13

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

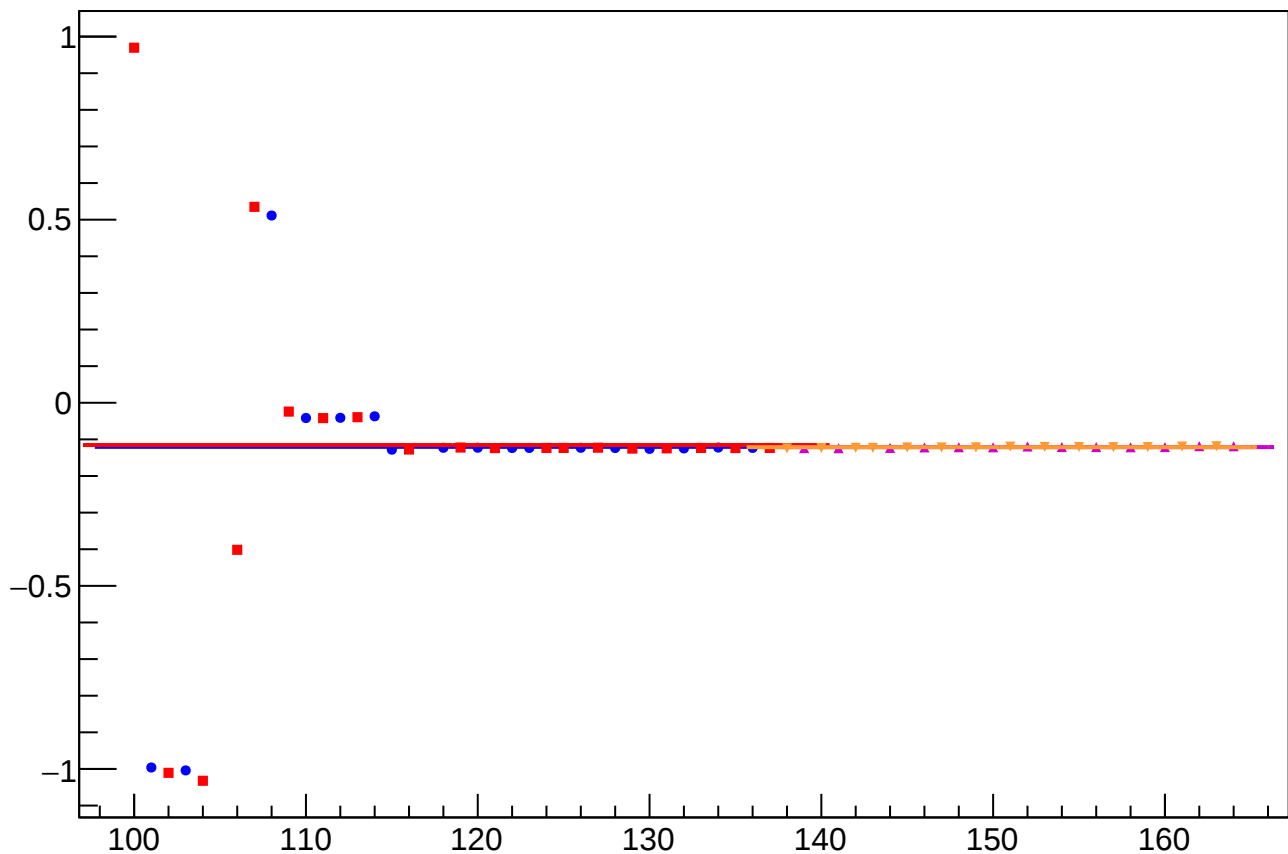
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:497268.1/12

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2361972.9/30

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5928533.5/62

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3552679.3/31

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.121+/-0.000 χ^2/NDF : 20466579.2/13

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

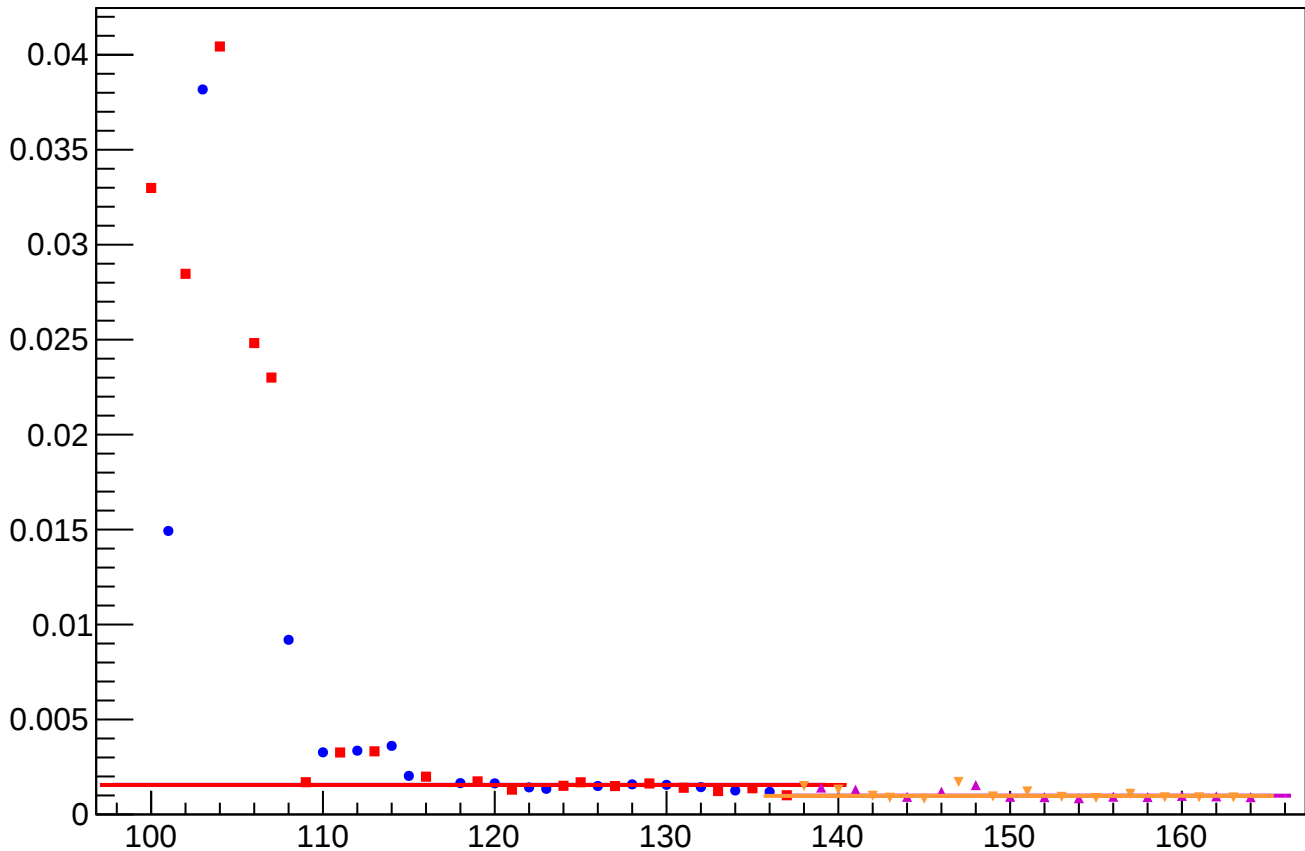
Left In: -0.121+/-0.000 χ^2/NDF : 23691611.8/12

+ sign -0.121+/-0.000 χ^2/NDF : 3954125229.9/30

All: -0.121+/-0.000 χ^2/NDF : 6490851502.1/6

- sign -0.120+/-0.000 χ^2/NDF : 2530998410.1/31

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: 711672.0/13

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

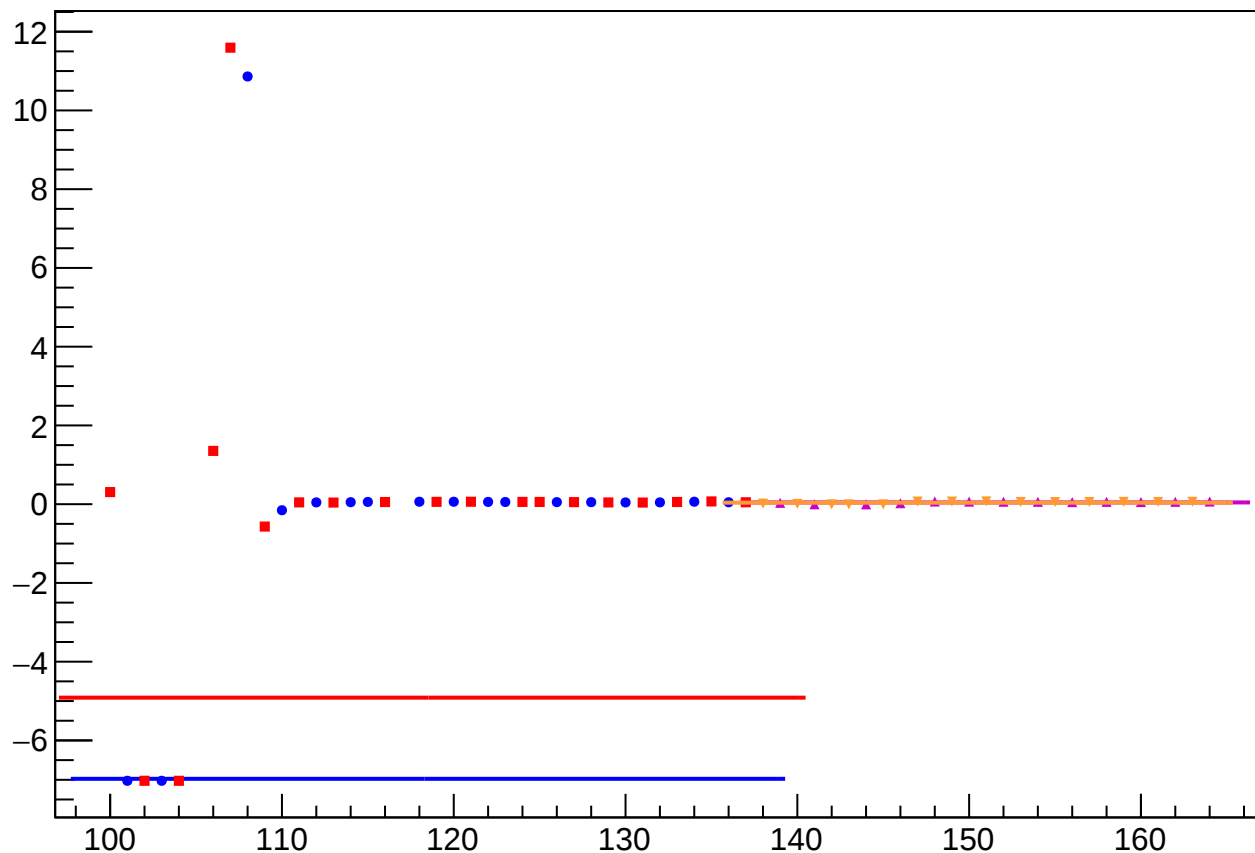
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 529768.9/12

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4691149.1/30

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 9768074.5/62

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5075565.8/31

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8787948713830.4/16$

Left Out: 0.038 ± 0.000 $\chi^2/\text{NDF}: 87229469.6/13$

Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365362215369689.4/18$

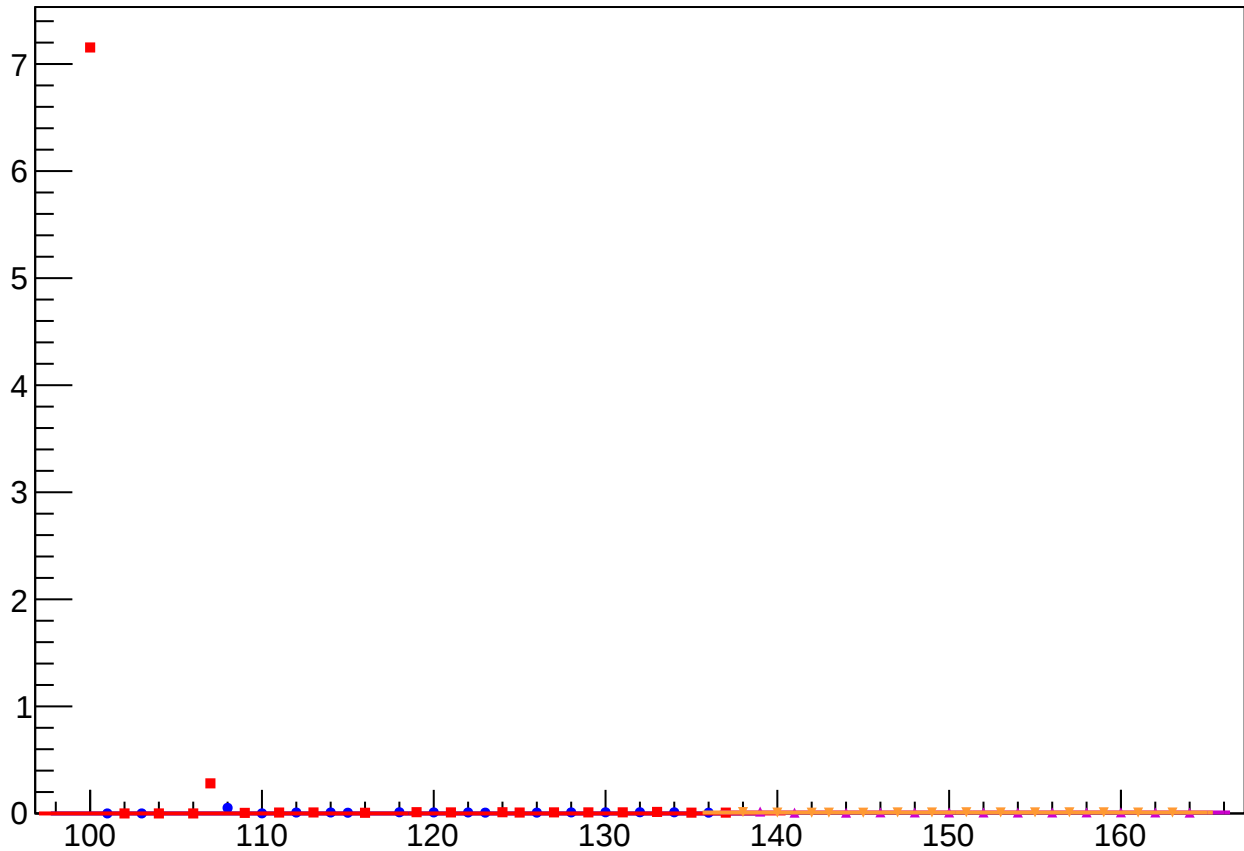
Left In: 0.044 ± 0.000 $\chi^2/\text{NDF}: 70637390.1/12$

+ sign -6.947 ± 0.000 $\chi^2/\text{NDF}: 13729933849064.4/16$

All: -5.878 ± 0.000 $\chi^2/\text{NDF}: 4372221012060.4/16$

- sign -4.897 ± 0.000 $\chi^2/\text{NDF}: 367685316020914.0/16$

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.009+/-0.000 χ^2/NDF : 411236.1/13

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

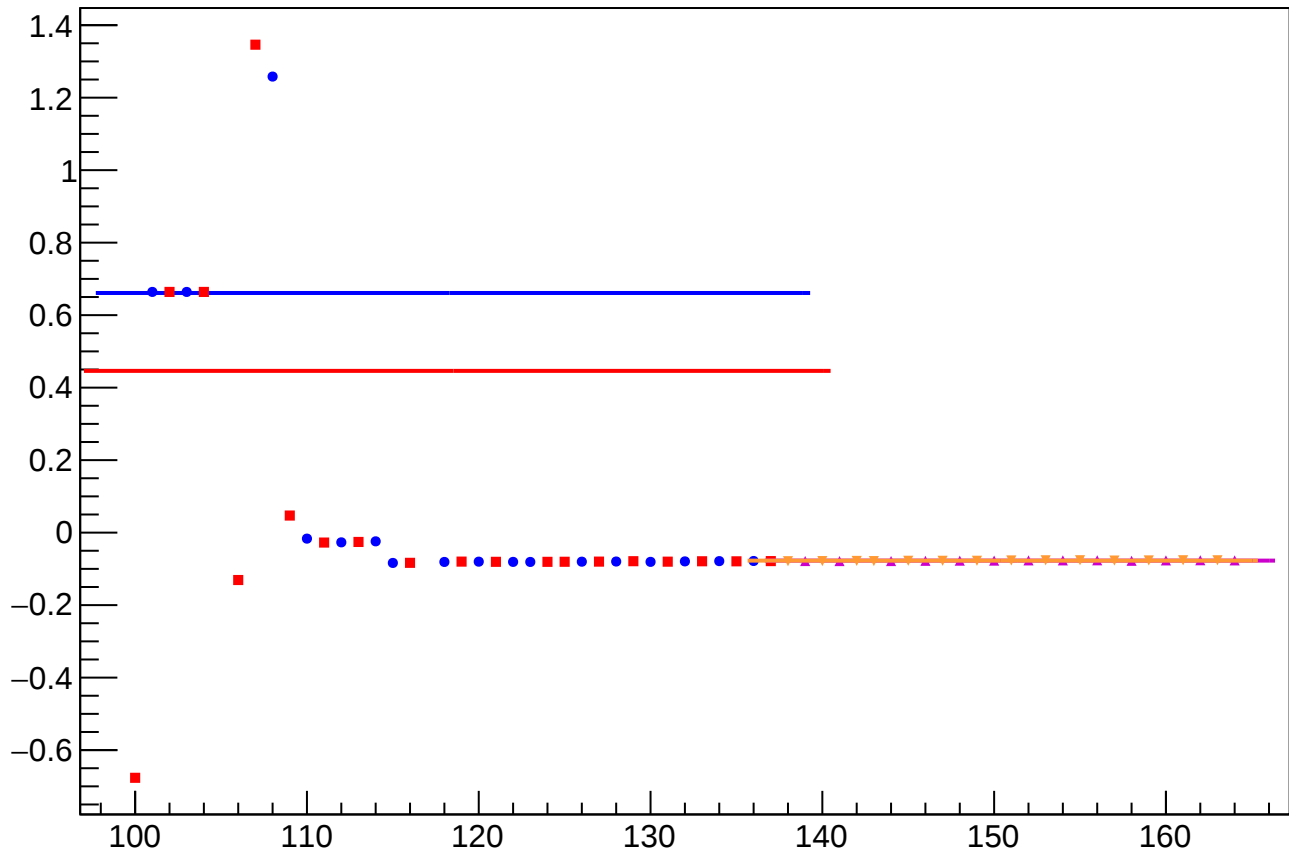
Left In: 0.009+/-0.000 χ^2/NDF : 492721.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 24528994.5/30

All: 0.000+/-0.000 χ^2/NDF : 49586916.7/62

- sign 0.000+/-0.000 χ^2/NDF : 25056463.4/31

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.077+/-0.000 χ^2/NDF : 26083799.0/13

Right Out: 0.446+/-0.000 χ^2/NDF : 405428604683882.5/18

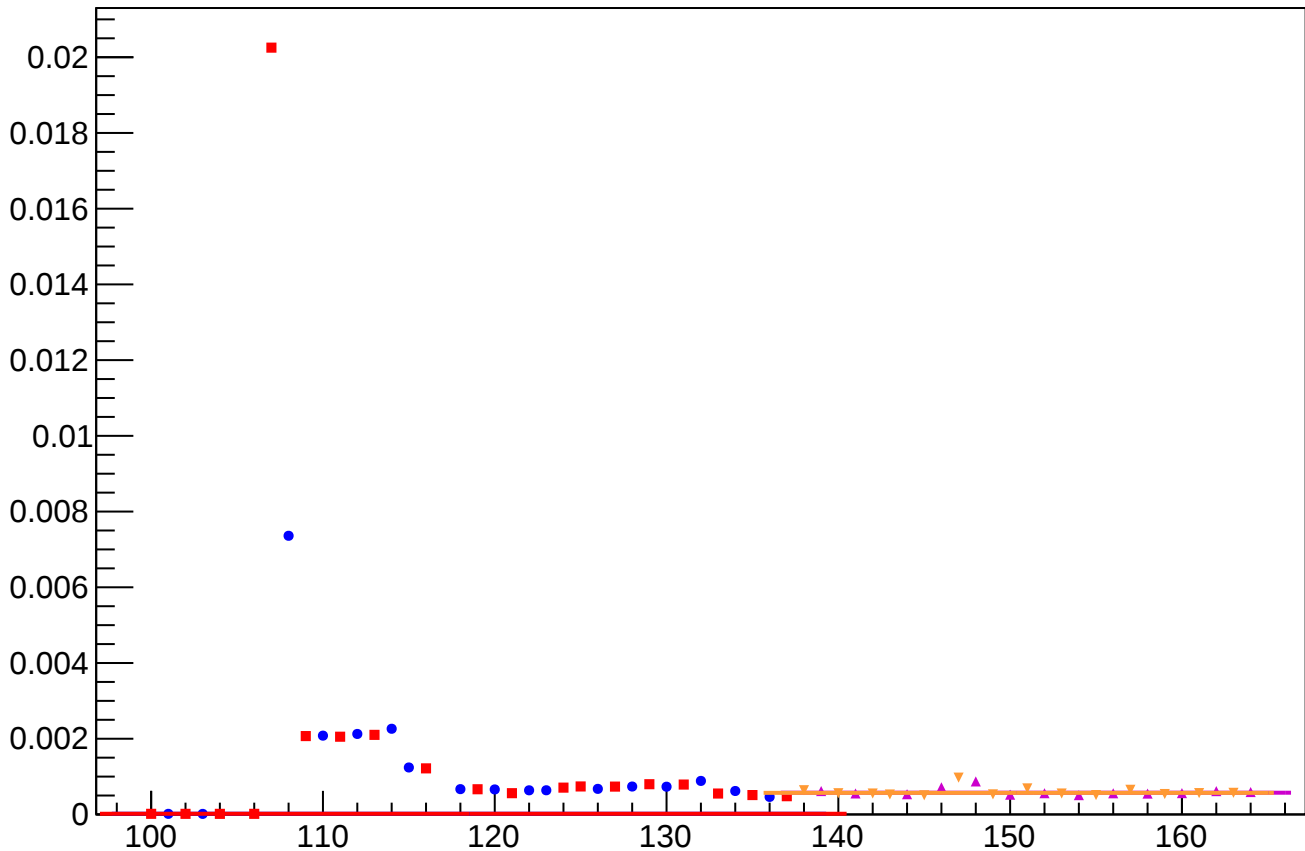
Left In: -0.077+/-0.000 χ^2/NDF : 19330788.5/12

+ sign 0.653+/-0.000 χ^2/NDF : 22017624153822.3/3

All: 0.542+/-0.000 χ^2/NDF : 49726741750380

- sign 0.441+/-0.000 χ^2/NDF : 413471594136955.3/3

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9997012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 407004.5/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

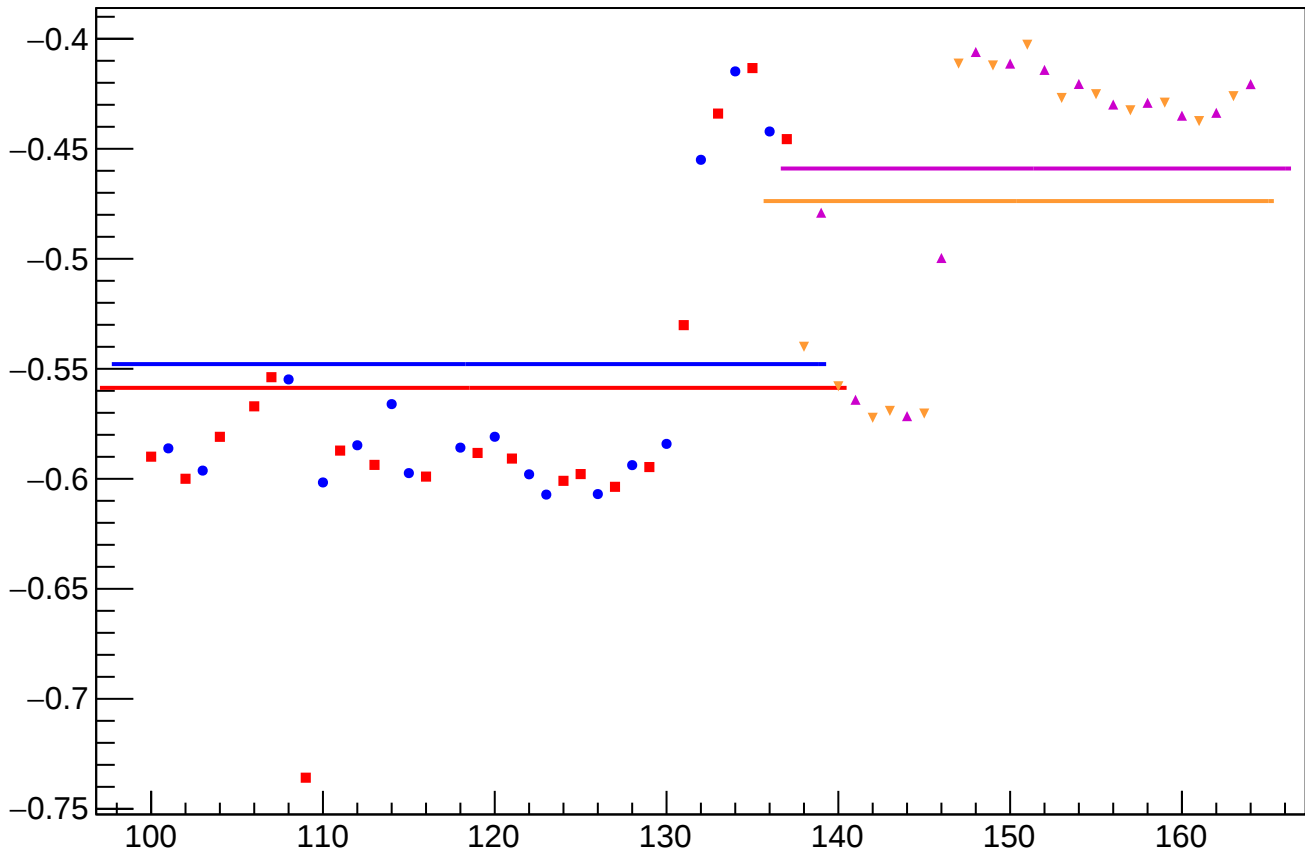
Left In: 0.001+/-0.000 χ^2/NDF : 312489.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 28684482.6/30

All: 0.000+/-0.000 χ^2/NDF : 56641703.3/62

- sign 0.000+/-0.000 χ^2/NDF : 27955829.7/31

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.474+/-0.000 χ^2/NDF : 96183525.4/13

Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

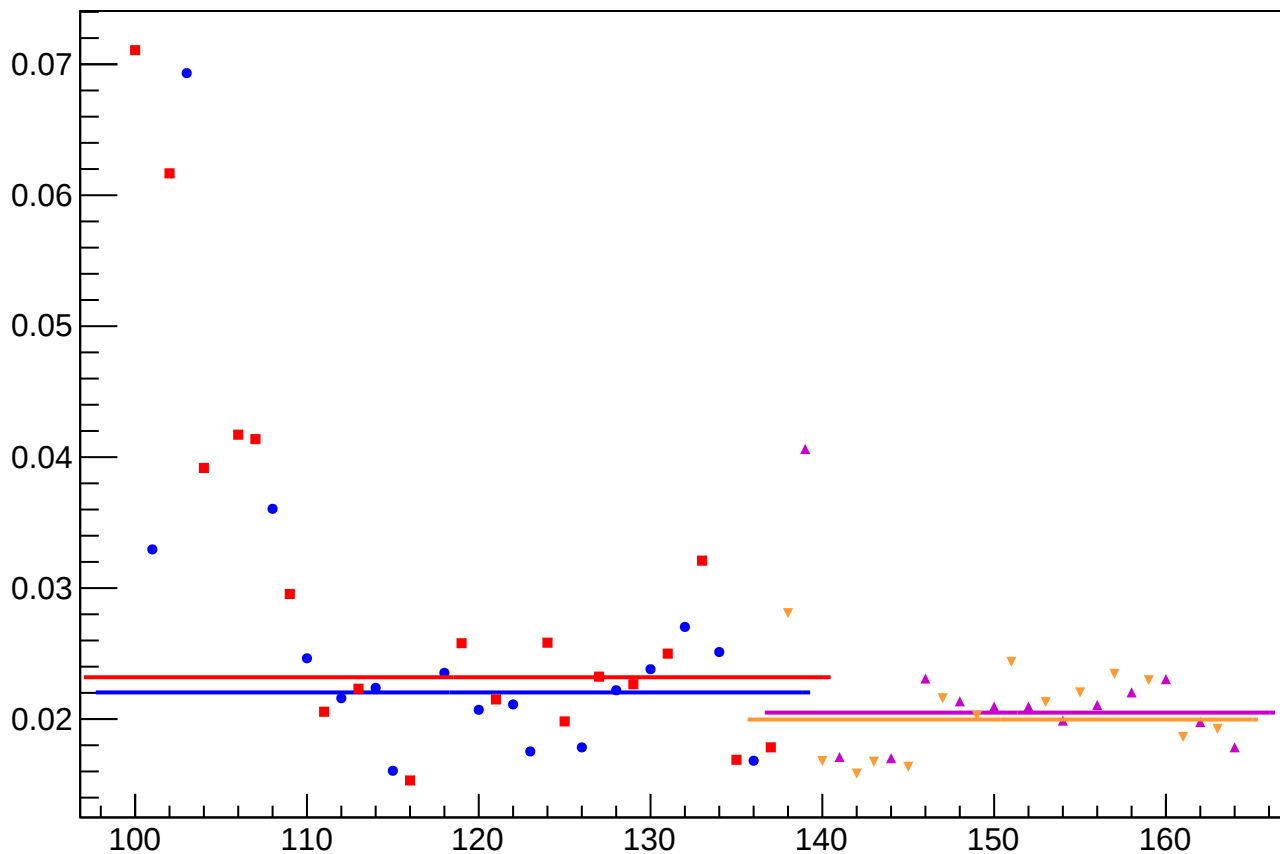
Left In: -0.459+/-0.000 χ^2/NDF : 71243884.5/12

+ sign -0.499+/-0.000 χ^2/NDF : 182977667.1/30

All: -0.496+/-0.000 χ^2/NDF : 385826015.6/62

- sign -0.493+/-0.000 χ^2/NDF : 202257462.5/31

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: 391981.2/13

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156989.7/18

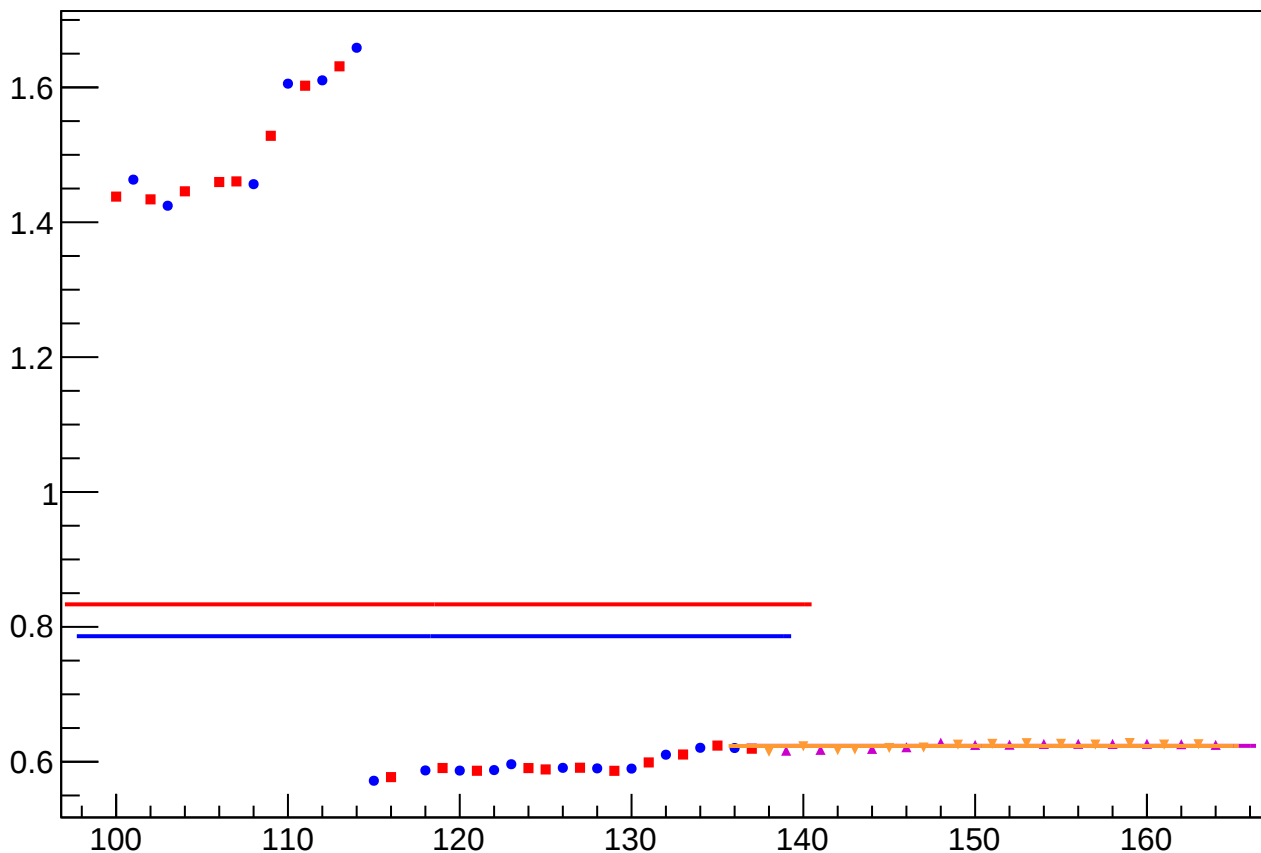
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 498714.9/12

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1410565.5/30

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3178612.0/62

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1751492.2/31

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 : 1020299.3/13

Right Out: 0.833 $\pm$ 0.000 χ^2/NDF : 4156812252.4/18

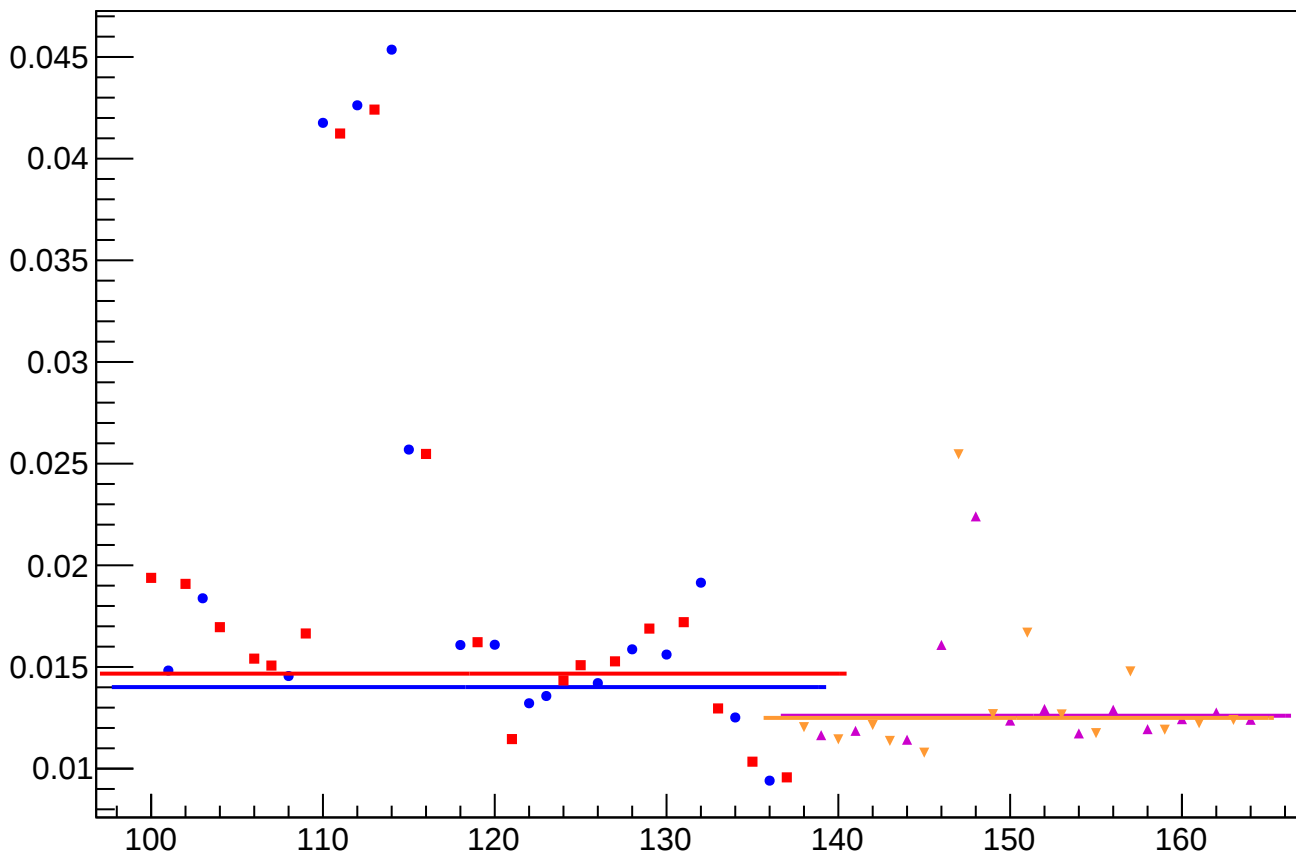
Left In: 0.624 $\pm$ 0.000 χ^2/NDF : 878745.5/12

+ sign 0.675 $\pm$ 0.000 χ^2/NDF : 4116724714.6/30

All: 0.682 $\pm$ 0.000 χ^2/NDF : 9130407579.9/62

- sign 0.689 $\pm$ 0.000 χ^2/NDF : 5004265707.4/31

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1404865.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:588417.4/13

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

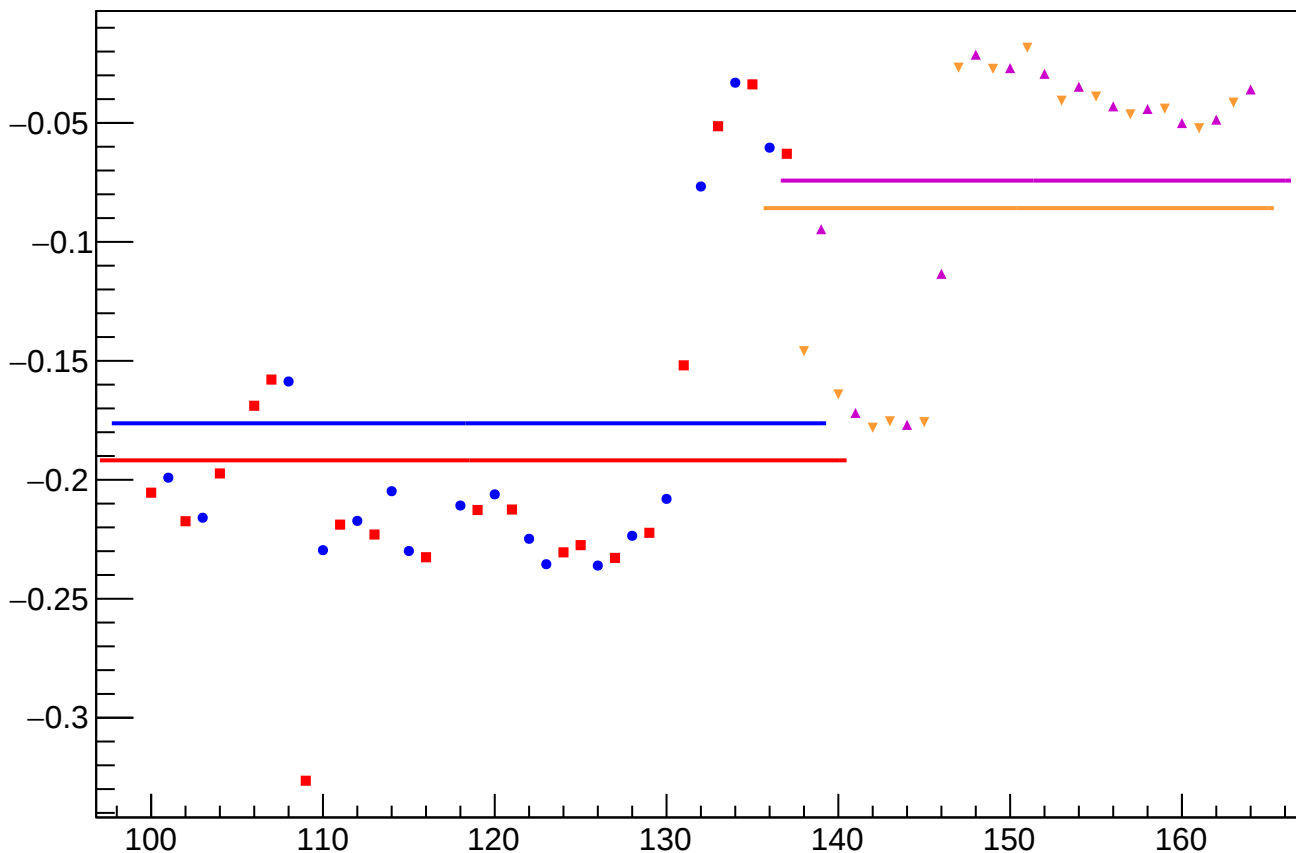
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:409559.6/12

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2084356.0/30

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3929133.9/62

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1837897.4/31

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.086+/-0.000 χ^2/NDF : 92414520.9/13

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

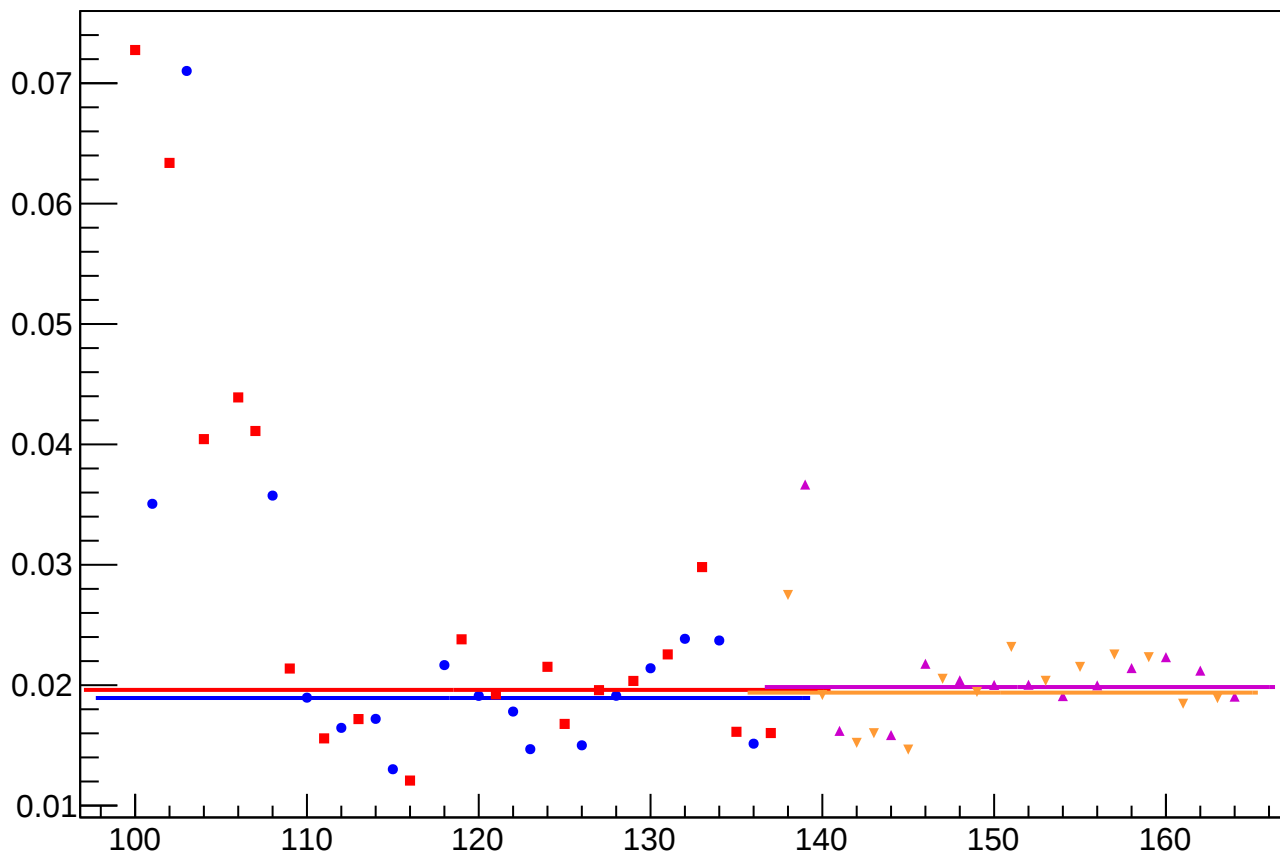
Left In: -0.074+/-0.000 χ^2/NDF : 71779314.2/12

+ sign -0.121+/-0.000 χ^2/NDF : 232587285.3/30

All: -0.121+/-0.000 χ^2/NDF : 501836445.8/62

- sign -0.120+/-0.000 χ^2/NDF : 269243925.5/31

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 416800.2/13

Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

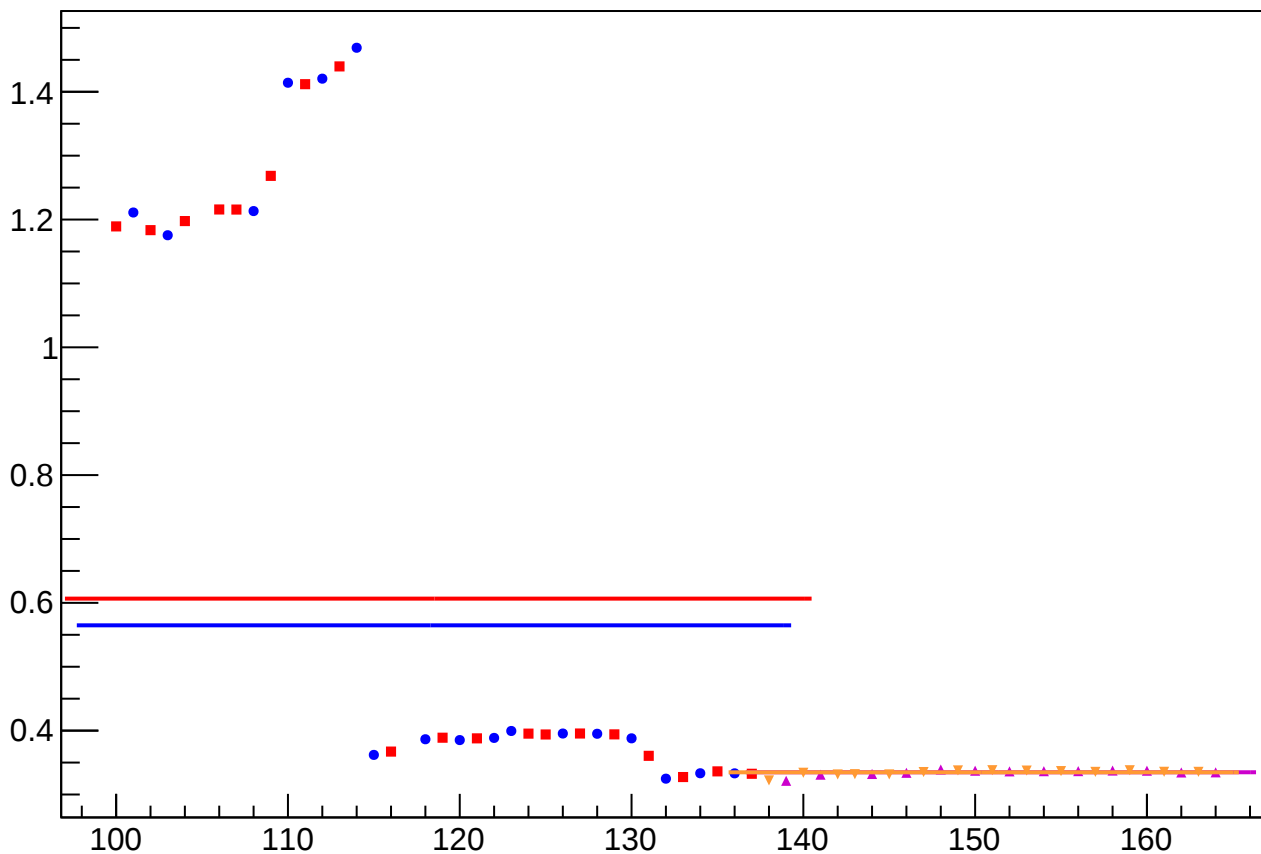
Left In: 0.020+/-0.000 χ^2/NDF : 469163.9/12

+ sign 0.019+/-0.000 χ^2/NDF : 1626068.9/30

All: 0.019+/-0.000 χ^2/NDF : 3564311.6/62

- sign 0.020+/-0.000 χ^2/NDF : 1927754.8/31

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 :1068584.1/13

Right Out: 0.607+/-0.000 χ^2/NDF : 5513752213.8/18

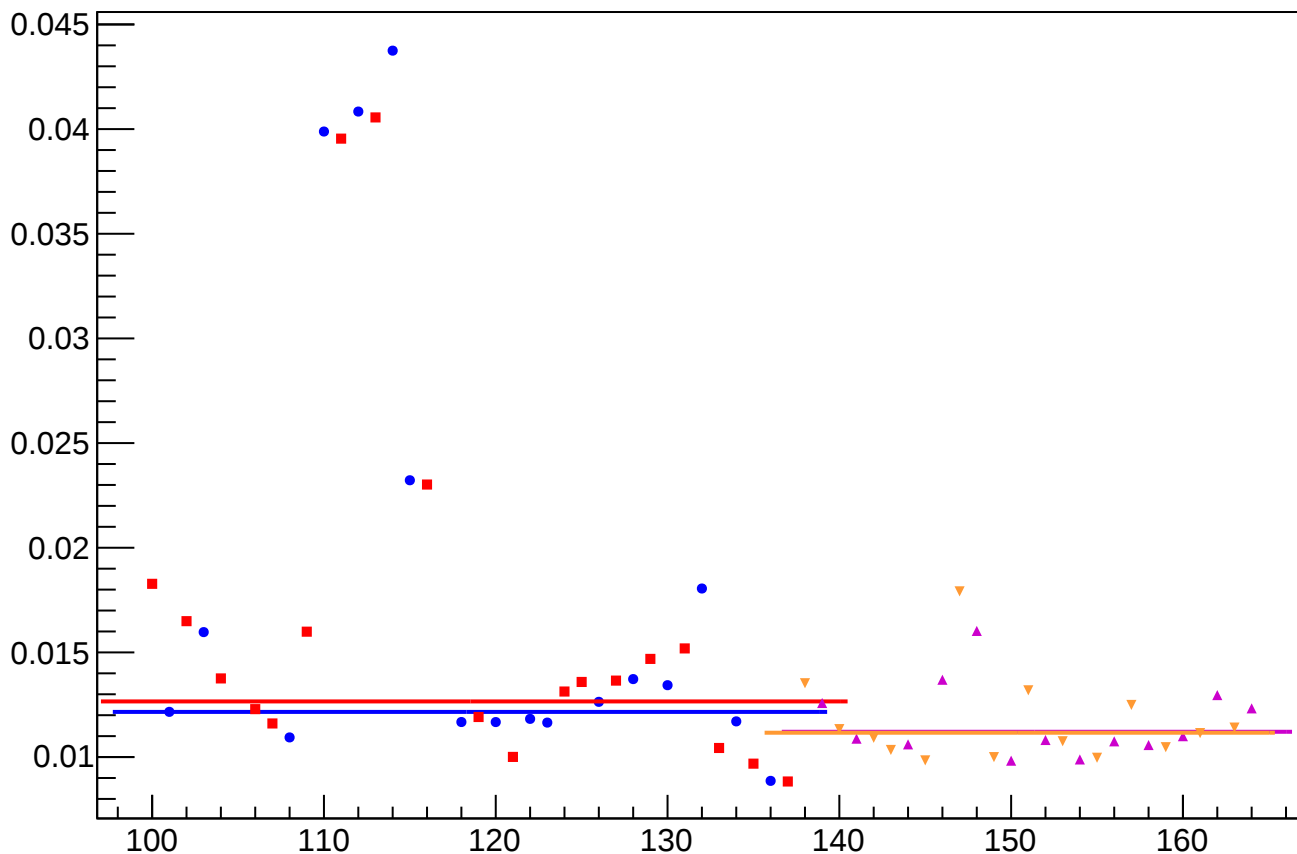
Left In: 0.335+/-0.000 χ^2/NDF :1153944.2/12

+ sign 0.410+/-0.000 χ^2/NDF : 6399822926.4/30

All: 0.416+/-0.000 χ^2/NDF : 13768453750.6/60

- sign 0.422+/-0.000 χ^2/NDF : 7359827433.6/31

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:395580.8/13

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

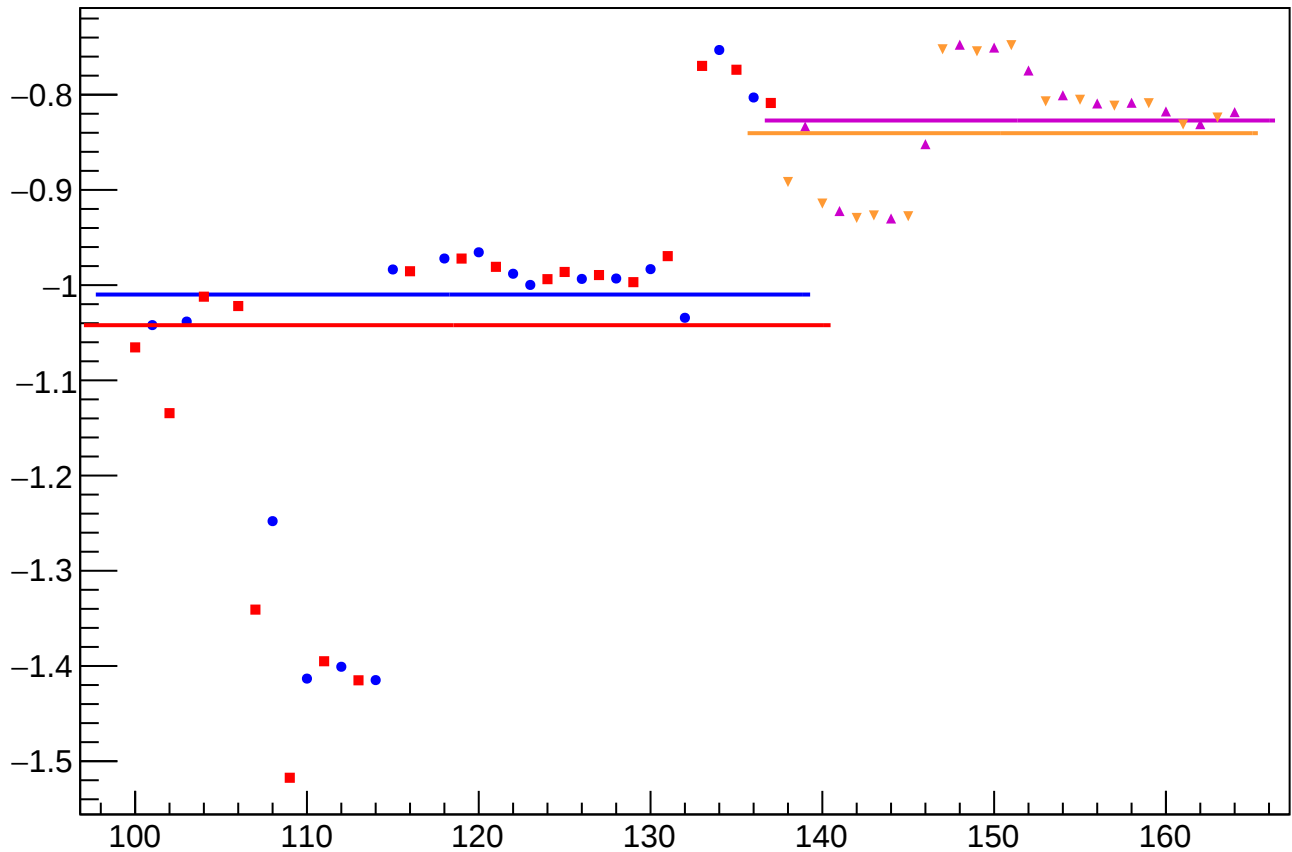
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:321253.3/12

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1756557.1/30

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3457550.0/62

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1696968.0/31

yield_bpm4acX_mean vs Slug



Right In: -1.010 ± 0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.840 ± 0.000 χ^2/NDF : 92168171.2/13

Right Out: -1.042 ± 0.000 χ^2/NDF : 530106141.8/18

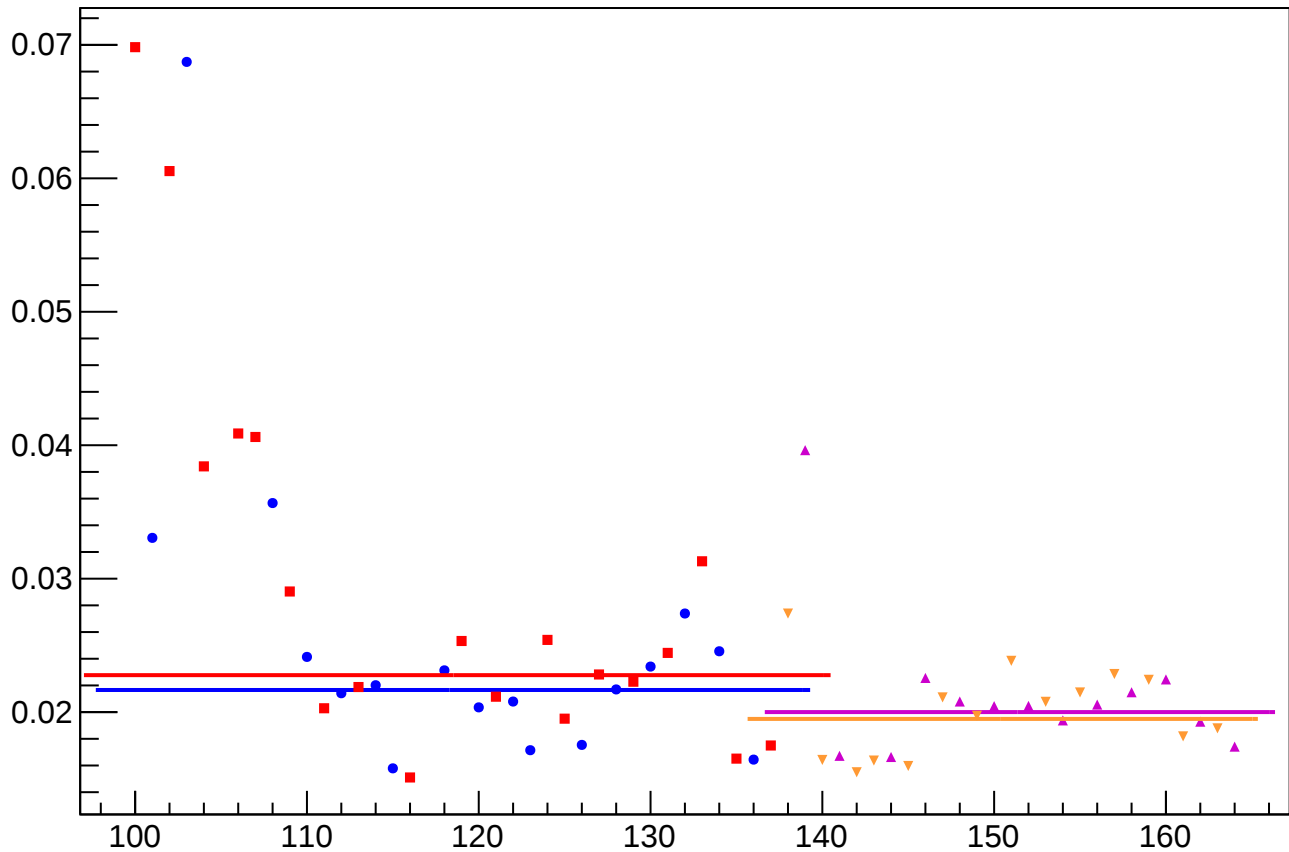
Left In: -0.827 ± 0.000 χ^2/NDF : 70149614.1/12

+ sign -0.897 ± 0.000 χ^2/NDF : 687409390.7/30

All: -0.898 ± 0.000 χ^2/NDF : 1603672504.8/6

- sign -0.899 ± 0.000 χ^2/NDF : 916215153.9/31

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 983499.8/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 390035.1/13

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152617.8/18

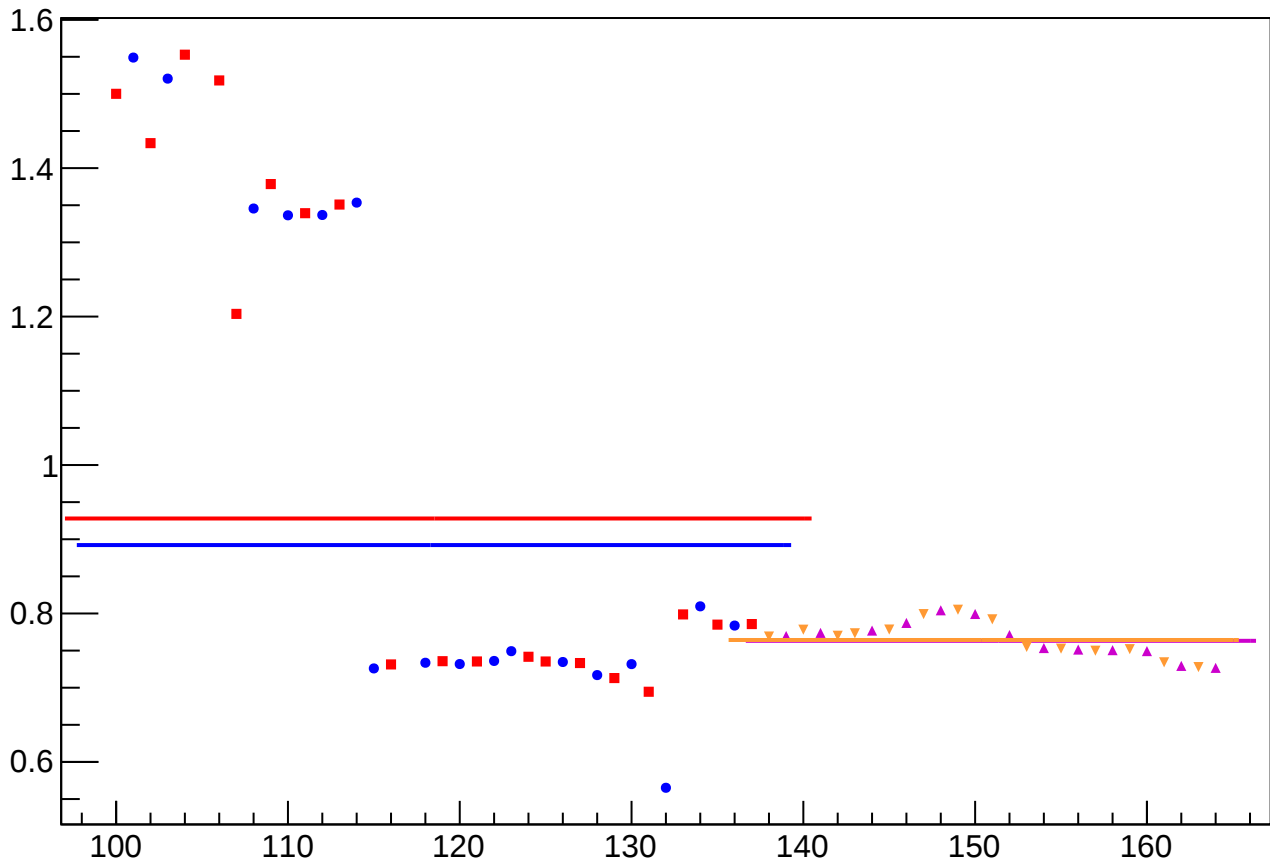
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 495660.4/12

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1441462.0/30

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3210444.1/62

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1753032.1/31

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.764+/-0.000 χ^2/NDF : 28307999.5/13

Right Out: 0.928+/-0.000 χ^2/NDF : 2437542089.2/18

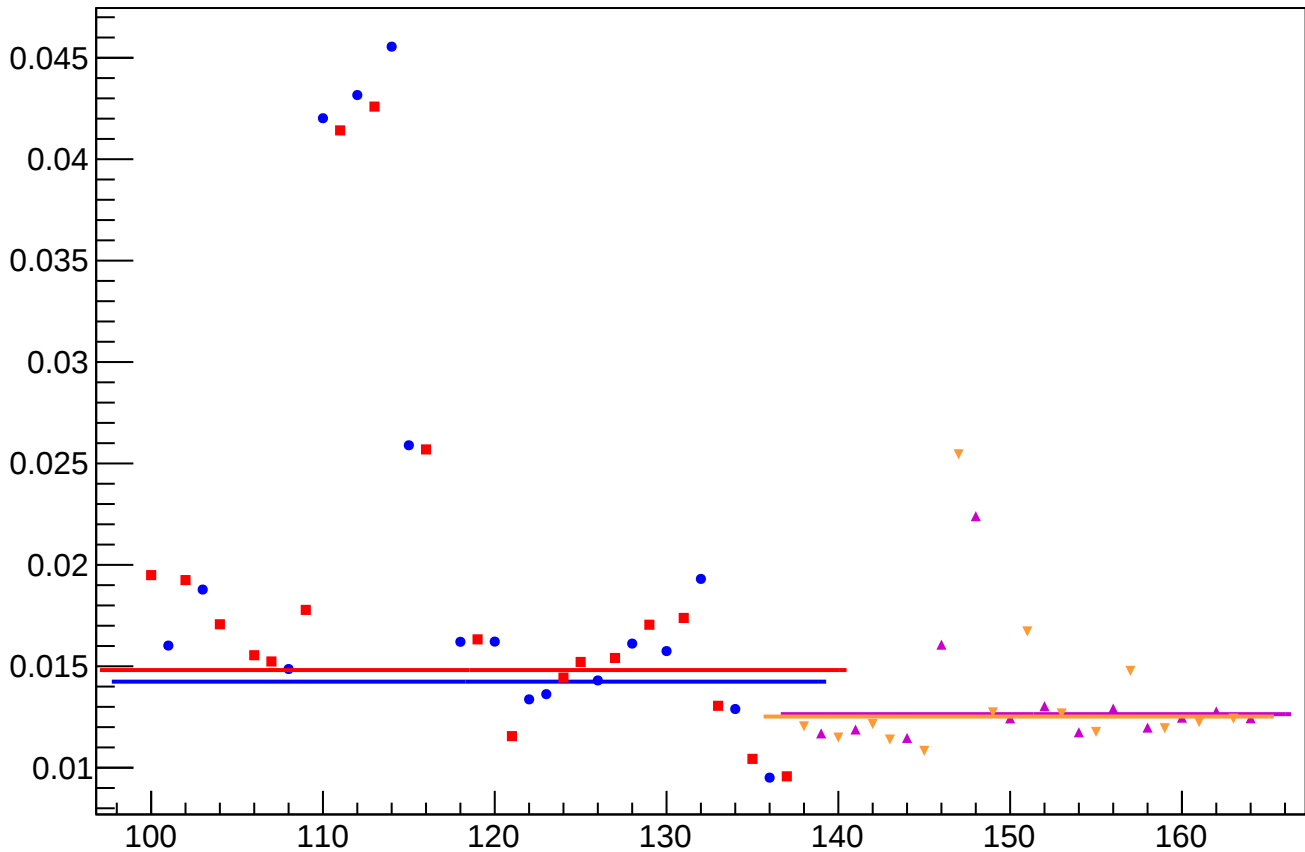
Left In: 0.763+/-0.000 χ^2/NDF : 27097787.7/12

+ sign 0.804+/-0.000 χ^2/NDF : 2757614169.3/30

All: 0.809+/-0.000 χ^2/NDF : 5740060647.4/62

- sign 0.814+/-0.000 χ^2/NDF : 2977630329.3/31

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:583858.8/13

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1274172.7/18

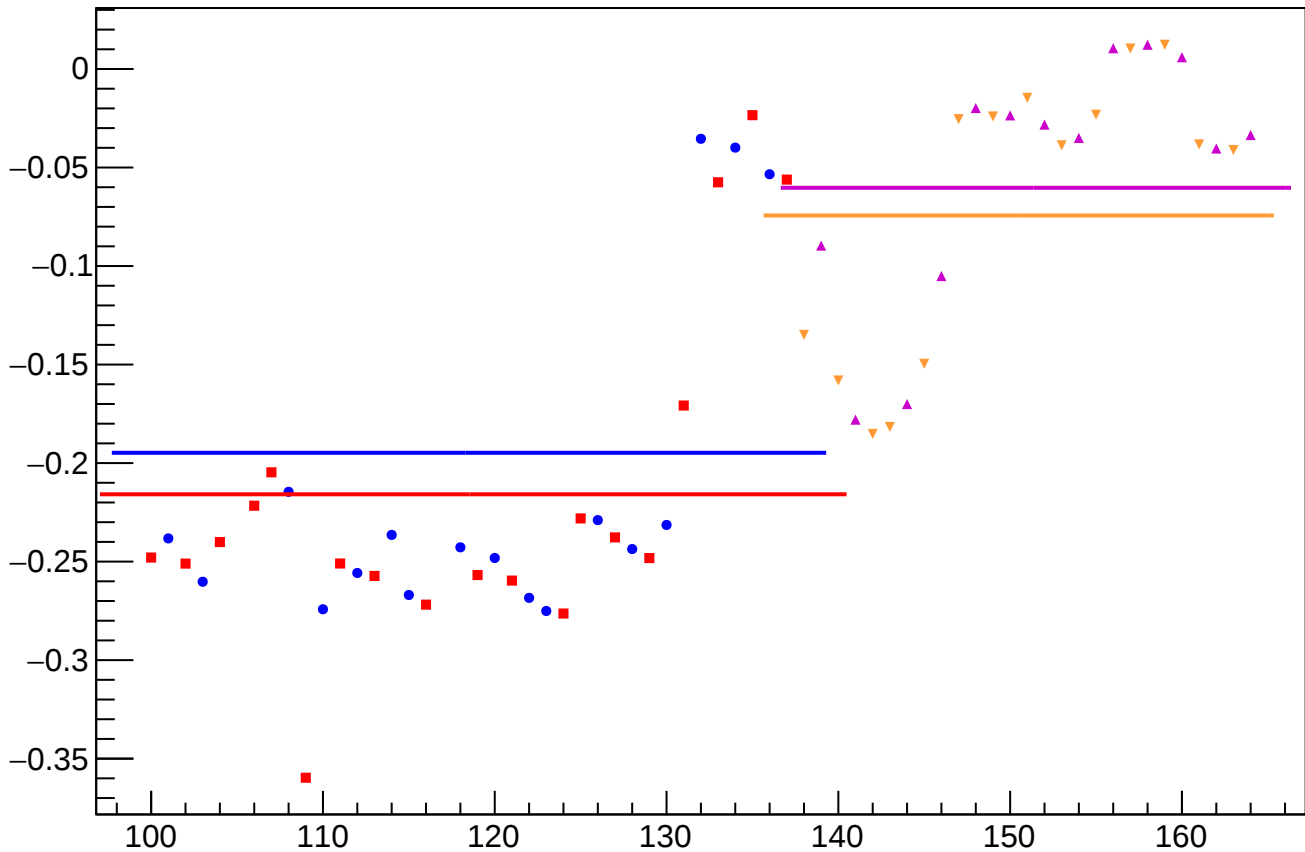
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:405331.6/12

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2113766.9/30

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3977789.3/62

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1858006.4/31

yield_bpm4ecX_mean vs Slug



Right In: -0.195 ± 0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.074 ± 0.000 χ^2/NDF : 109119982.4/13

+ sign -0.120 ± 0.000 χ^2/NDF : 340024122.6/30

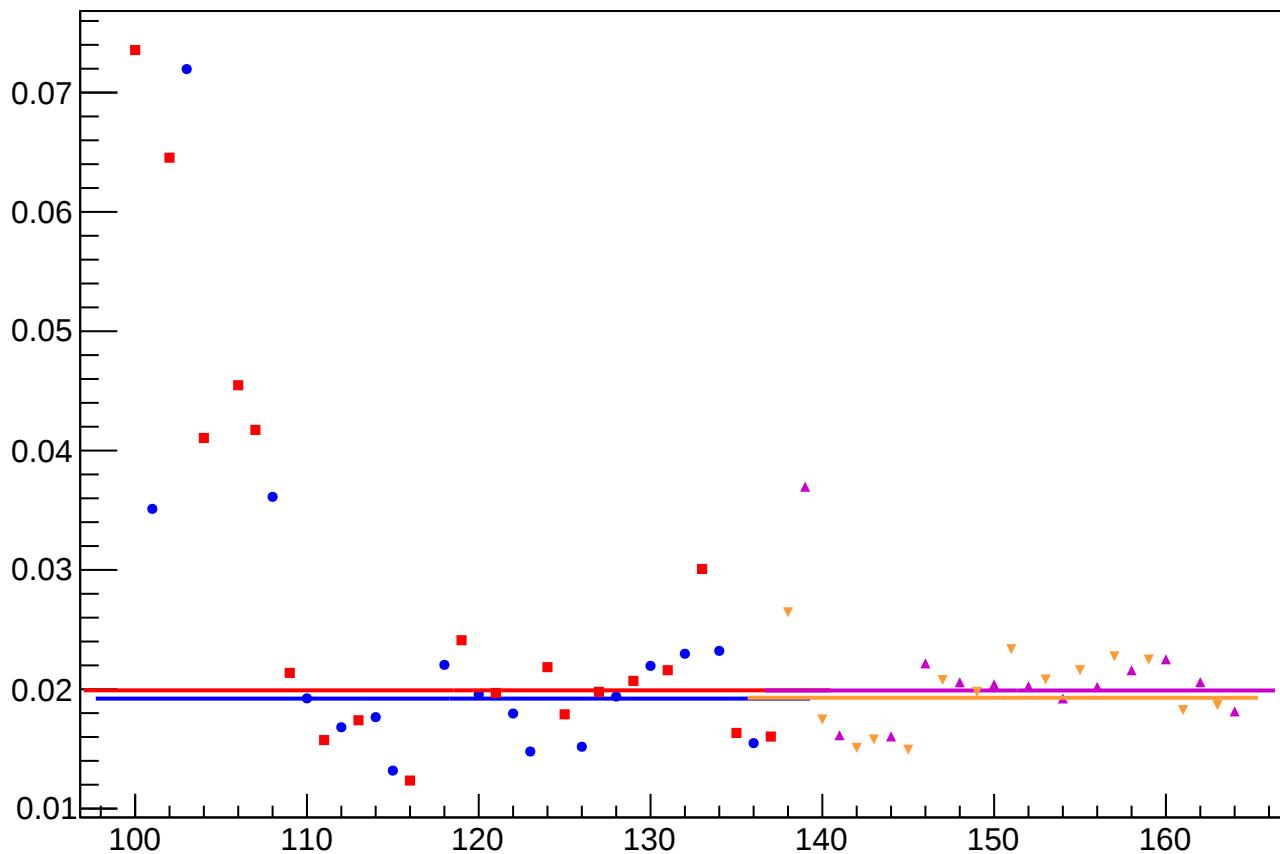
Right Out: -0.216 ± 0.000 χ^2/NDF : 111983904.6/18

All: -0.120 ± 0.000 χ^2/NDF : 741651636.9/62

Left In: -0.060 ± 0.000 χ^2/NDF : 95253302.7/12

- sign -0.120 ± 0.000 χ^2/NDF : 401626172.4/31

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 : 419406.1/13

Right Out: 0.020+/-0.000 χ^2/NDF : 1446950.0/18

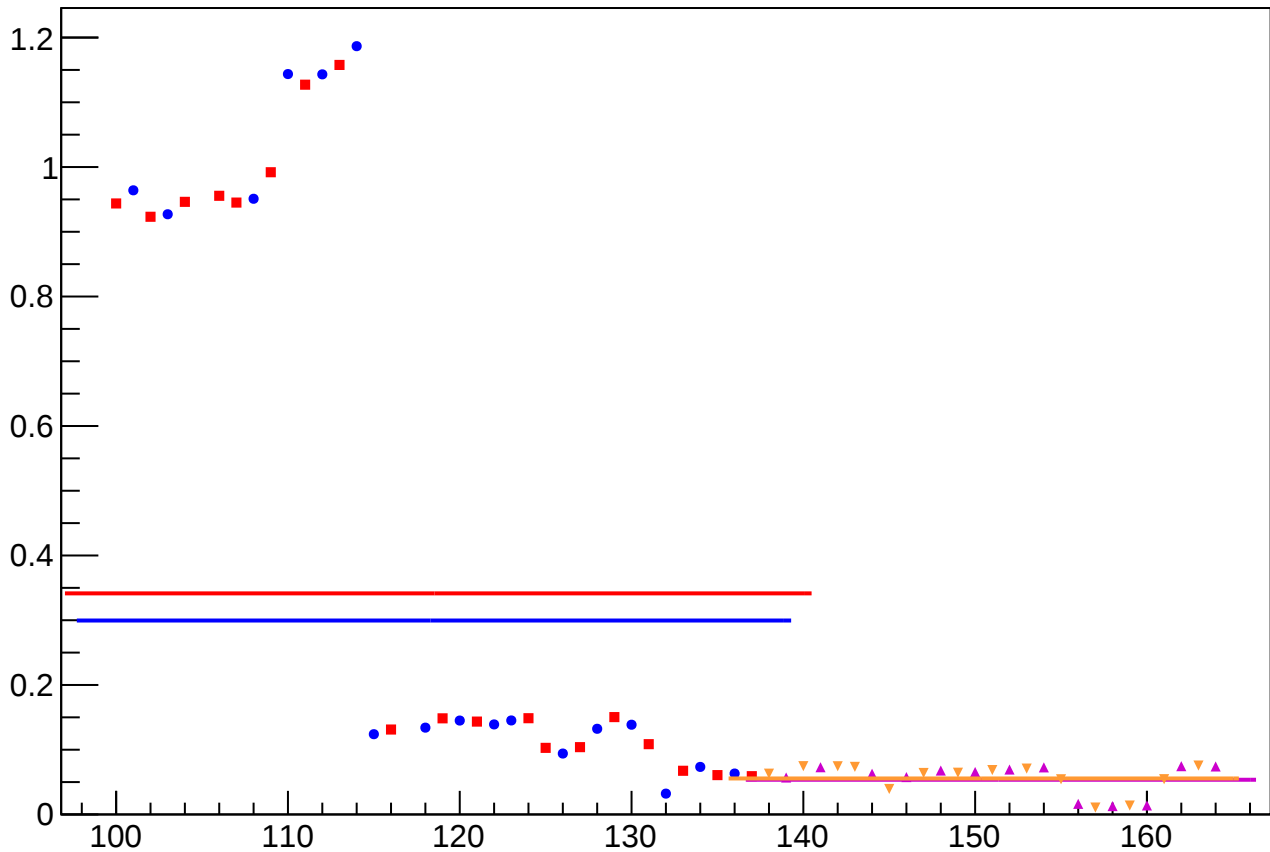
Left In: 0.020+/-0.000 χ^2/NDF : 480105.0/12

+ sign 0.019+/-0.000 χ^2/NDF : 1596573.9/30

All: 0.020+/-0.000 χ^2/NDF : 3537957.6/62

- sign 0.020+/-0.000 χ^2/NDF : 1927057.9/31

yield_bpm4ecY_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.056+/-0.000 χ^2/NDF :37054105.3/13

Right Out: 0.341+/-0.000 χ^2/NDF : 5450600455.1/18

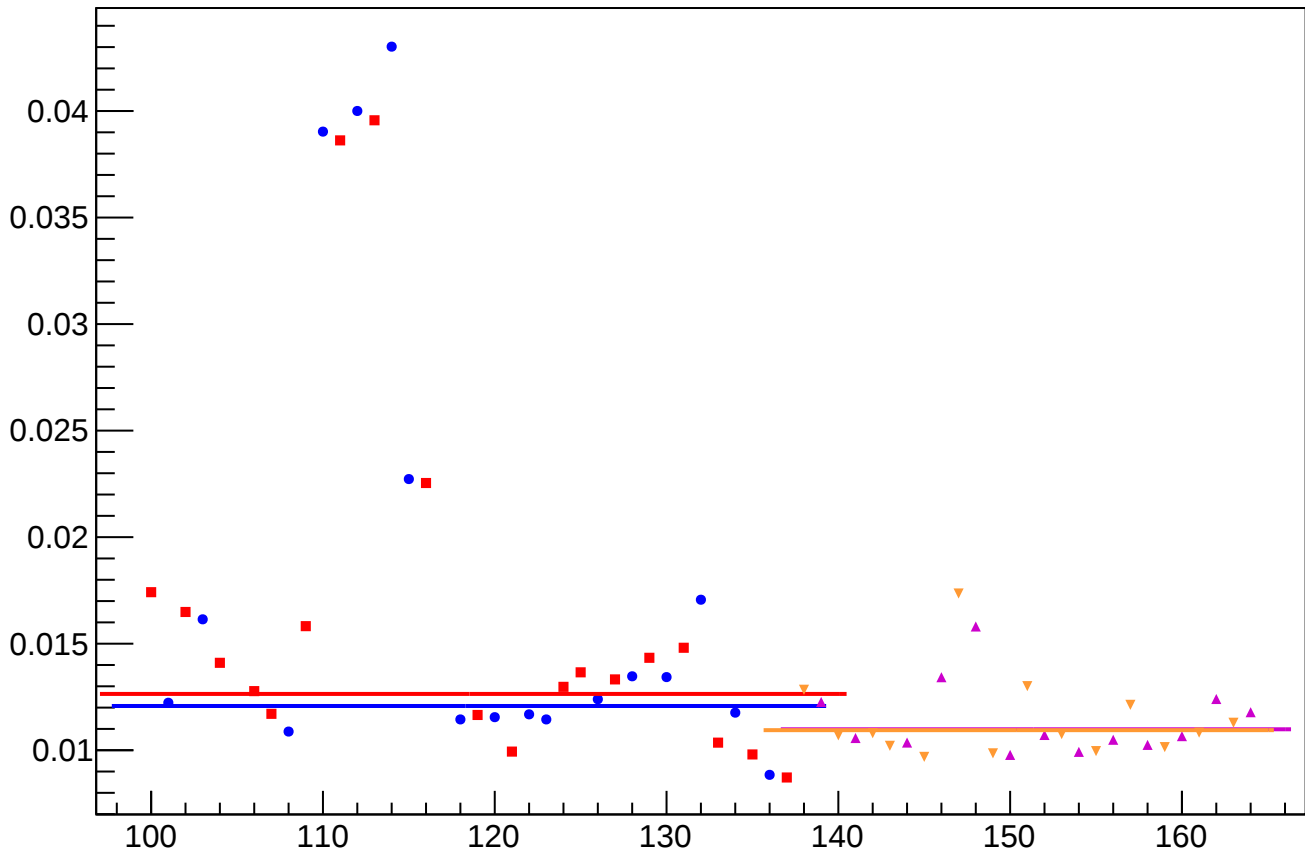
Left In: 0.054+/-0.000 χ^2/NDF :47230177.7/12

+ sign 0.134+/-0.000 χ^2/NDF : 6776397536.3/30

All: 0.139+/-0.000 χ^2/NDF : 14381041143.9/6

- sign 0.144+/-0.000 χ^2/NDF : 7598695611.7/31

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 : 364562.7/13

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1237706.0/18

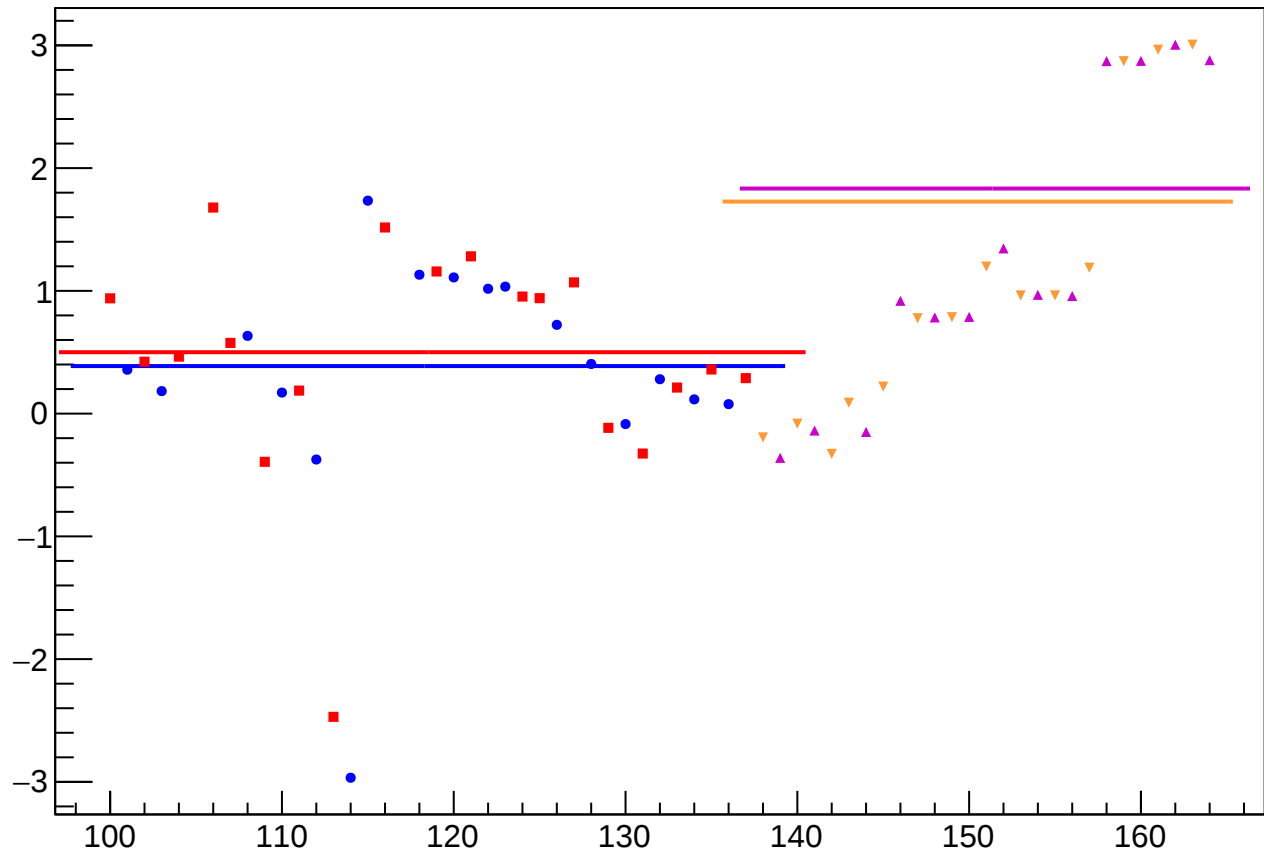
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 298799.7/12

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 1714731.5/30

All: 0.011 $\pm$ 0.000 χ^2/NDF : 3395450.8/62

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 1676069.3/31

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

Left Out: 1.727 $\pm$ 0.000 χ^2 /NDF: 23818968975.1/13

Right Out: 0.500 $\pm$ 0.000 χ^2 /NDF: 983360928.1/18

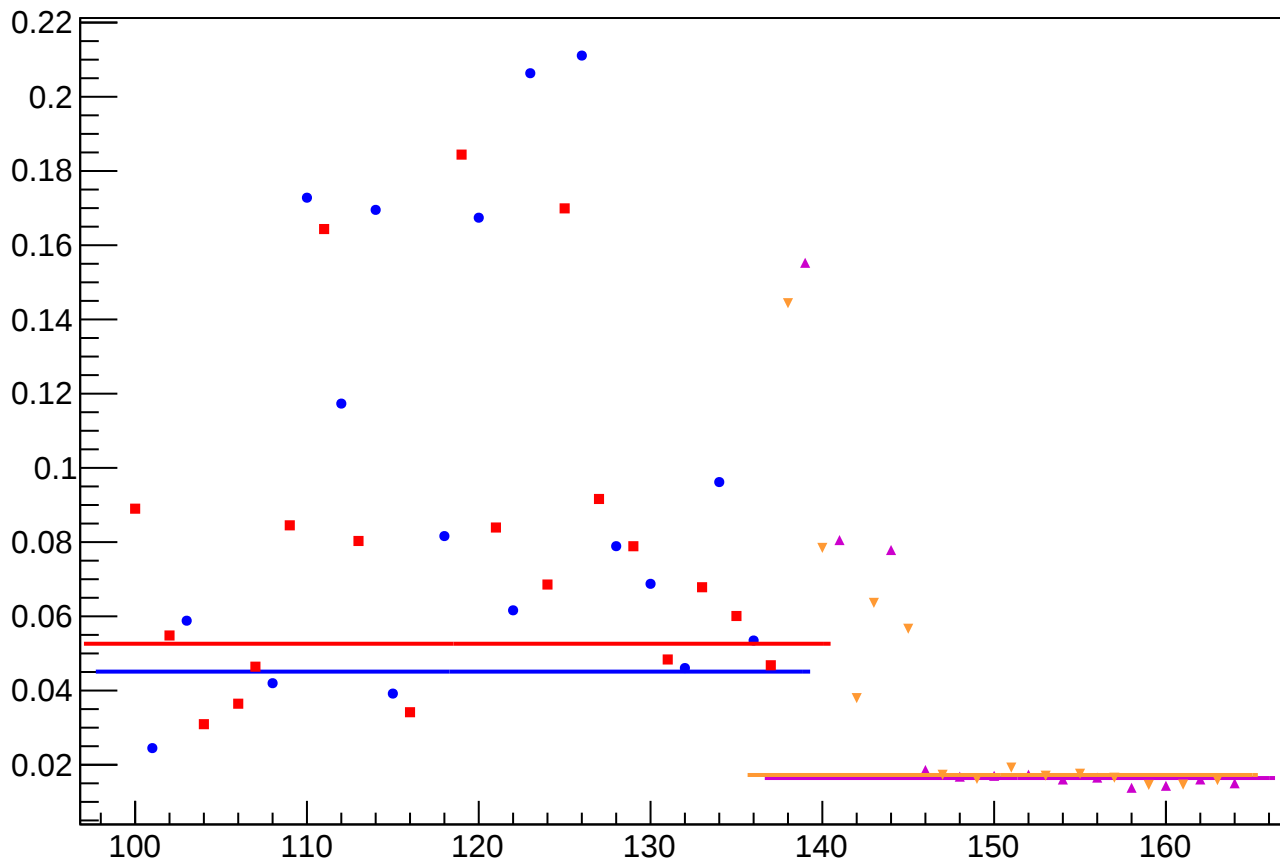
Left In: 1.834 $\pm$ 0.000 χ^2 /NDF: 26386383058.4/12

+ sign 1.636 $\pm$ 0.000 χ^2 /NDF: 26992663785.8/30

All: 1.703 $\pm$ 0.000 χ^2 /NDF: 57096438217.0/6

- sign 1.764 $\pm$ 0.000 χ^2 /NDF: 29884048645.1/31

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 : 2728476.5/13

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

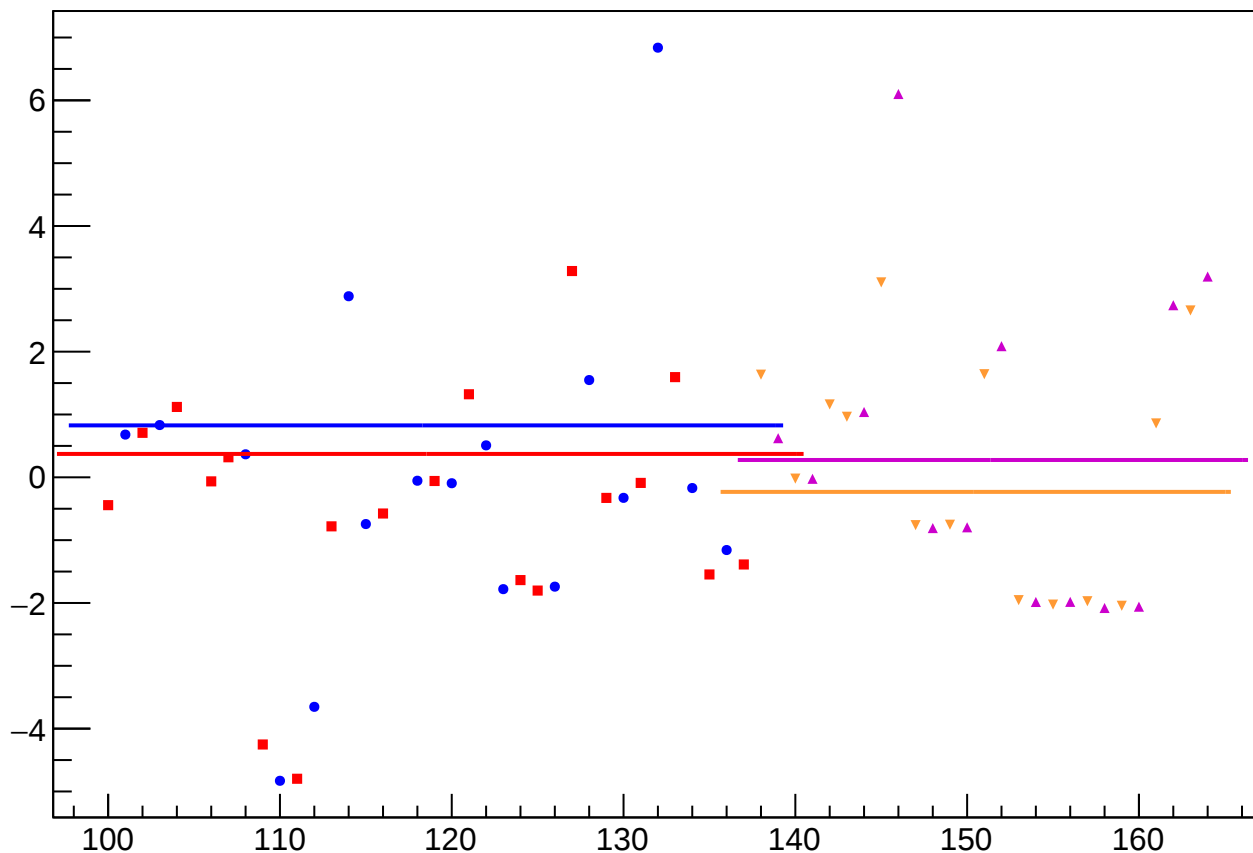
Left In: 0.016+/-0.000 χ^2/NDF : 2335066.7/12

+ sign 0.019+/-0.000 χ^2/NDF : 8102820.5/30

All: 0.019+/-0.000 χ^2/NDF : 16350826.7/62

- sign 0.018+/-0.000 χ^2/NDF : 8229633.5/31

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: -0.232 ± 0.000 χ^2/NDF : 138709502387.8/13

Right Out: 0.372 ± 0.000 χ^2/NDF : 4972900338.2/18

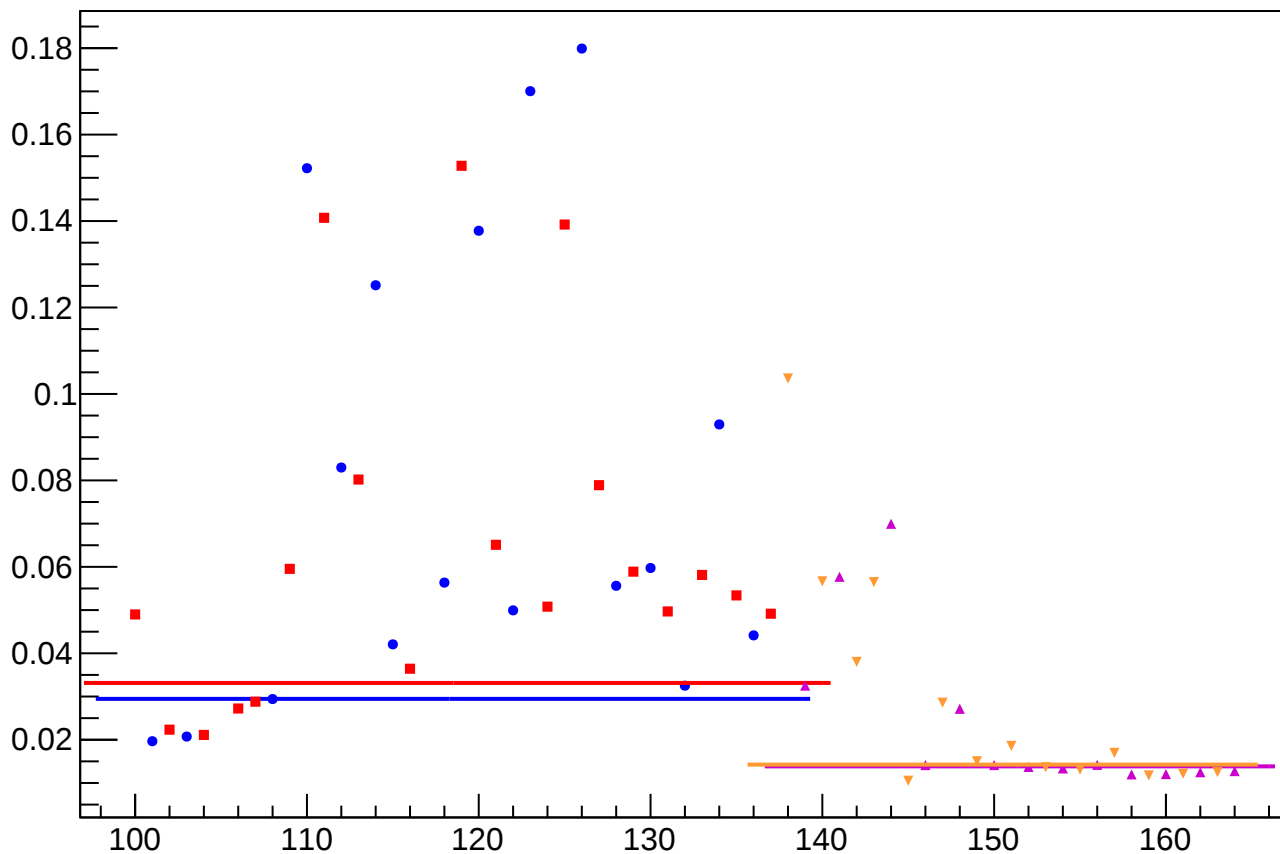
Left In: 0.276 ± 0.000 χ^2/NDF : 300322300398.6/12

+ sign -0.130 ± 0.000 χ^2/NDF : 153628234890.4/30

All: 0.086 ± 0.000 χ^2/NDF : 462590839539.2

- sign 0.283 ± 0.000 χ^2/NDF : 305325151665.5/31

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.014+/-0.000 χ^2/NDF : 2784049.2/13

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

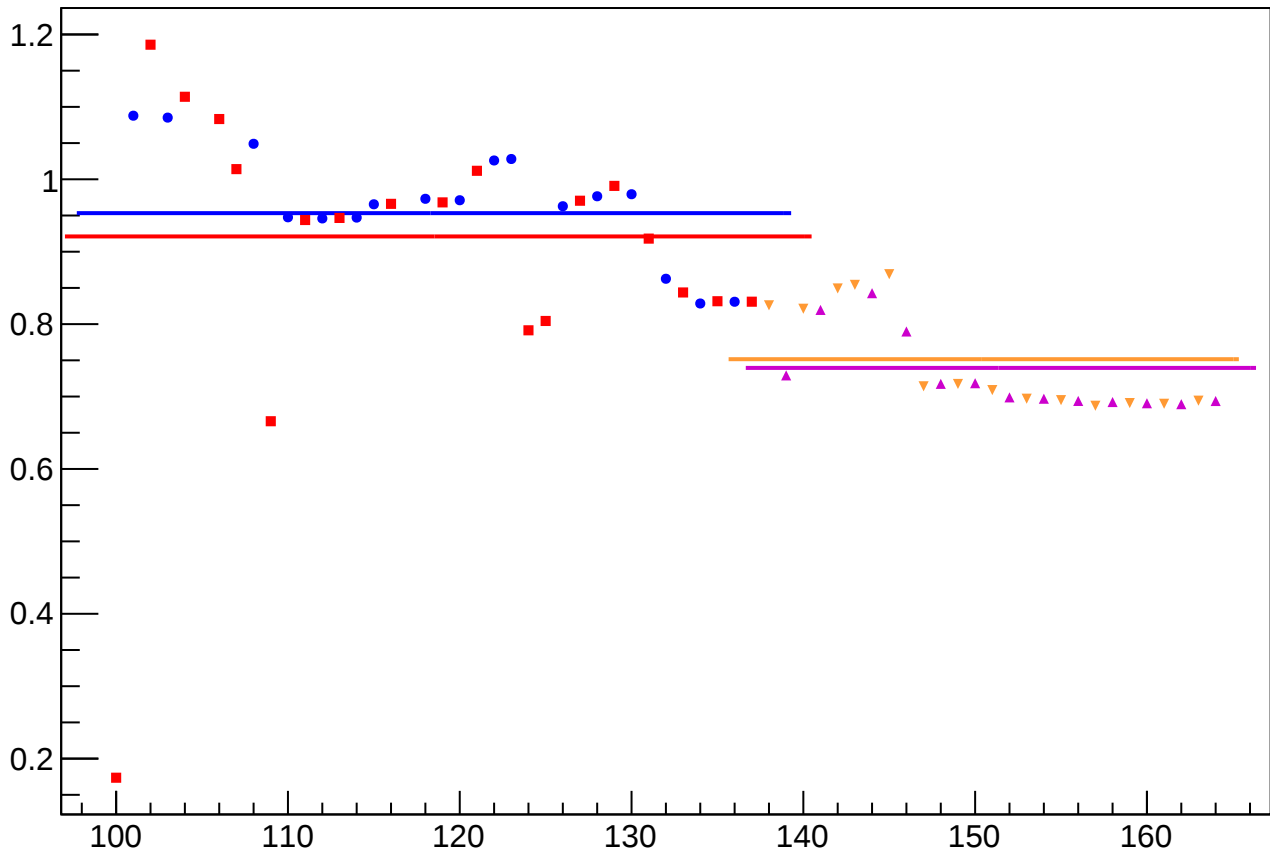
Left In: 0.014+/-0.000 χ^2/NDF : 1844037.6/12

+ sign 0.016+/-0.000 χ^2/NDF : 7482595.9/30

All: 0.016+/-0.000 χ^2/NDF : 14832028.9/62

- sign 0.015+/-0.000 χ^2/NDF : 7343809.9/31

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.752 $\pm$ 0.000 χ^2 /NDF: 249996619.7/13

+ sign 0.827 $\pm$ 0.000 χ^2 /NDF: 1215510247.1/30

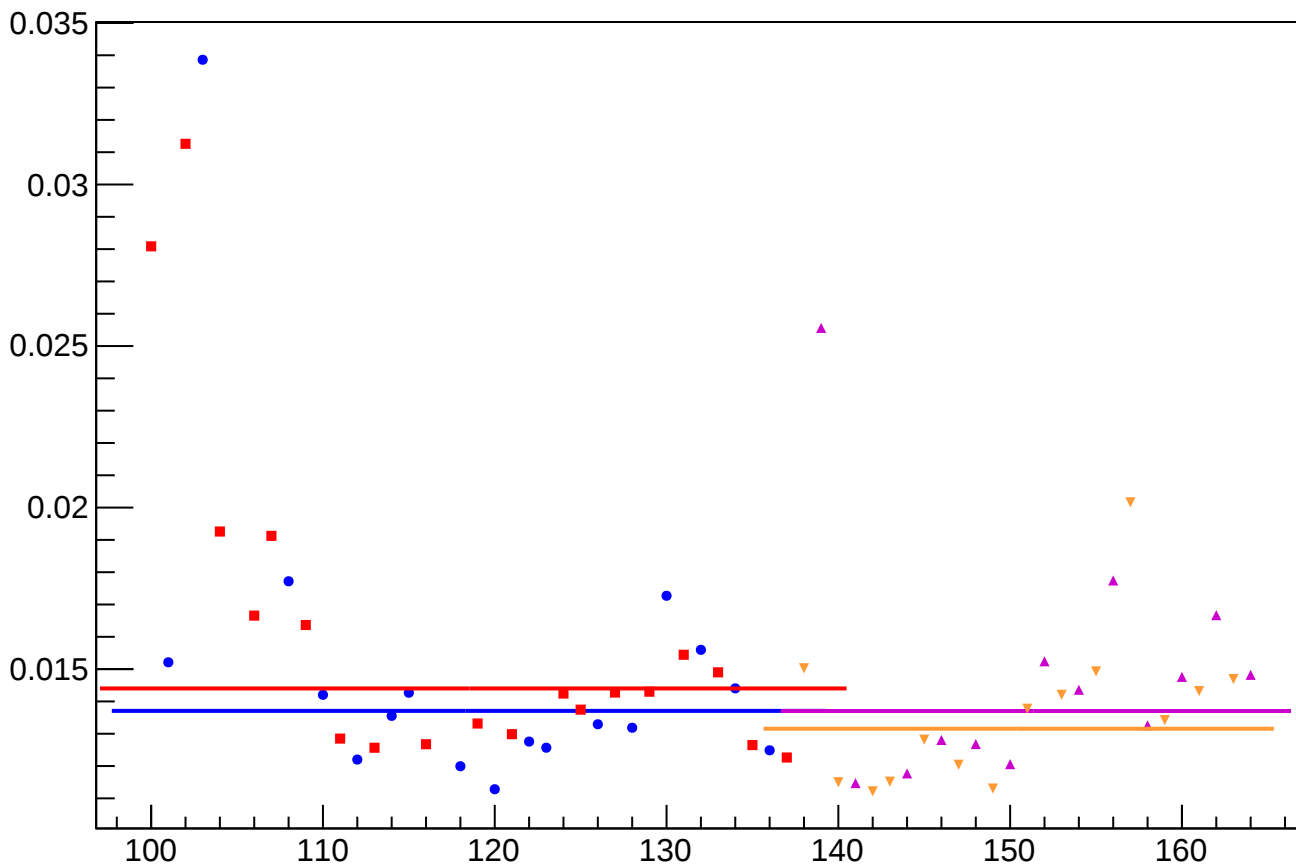
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

All: 0.818 $\pm$ 0.000 χ^2 /NDF: 2359003406.6/62

- sign 0.808 $\pm$ 0.000 χ^2 /NDF: 1129950762.8/31

Left In: 0.740 $\pm$ 0.000 χ^2 /NDF: 154824898.7/12

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 546317.6/16

Left Out: 0.013+/-0.000 χ^2/NDF : 341434.2/13

Right Out: 0.014+/-0.000 χ^2/NDF : 501768.8/18

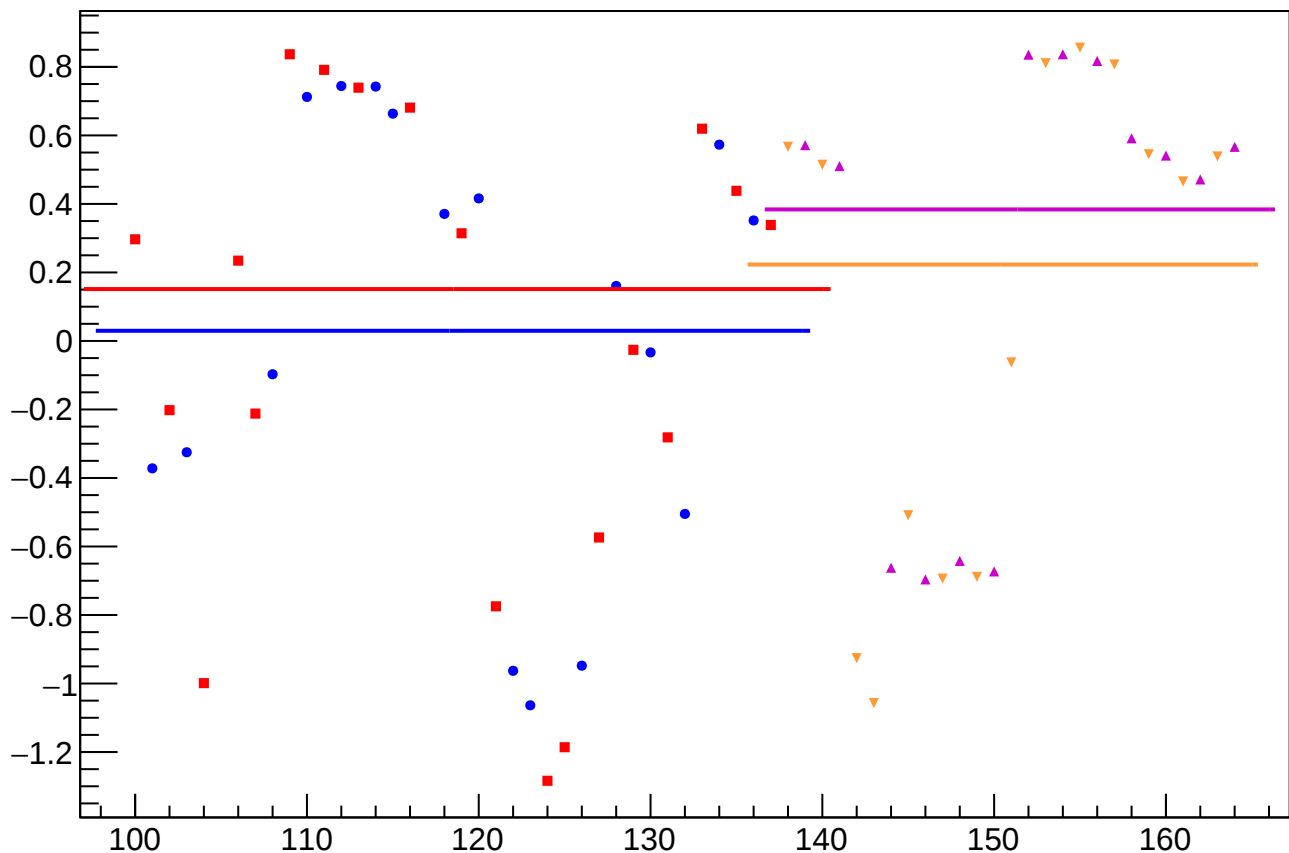
Left In: 0.014+/-0.000 χ^2/NDF : 572692.4/12

+ sign 0.013+/-0.000 χ^2/NDF : 899590.2/30

All: 0.014+/-0.000 χ^2/NDF : 2021371.5/62

- sign 0.014+/-0.000 χ^2/NDF : 1092203.3/31

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.223 $\pm$ 0.000 χ^2 /NDF: 23909261370.8/13

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

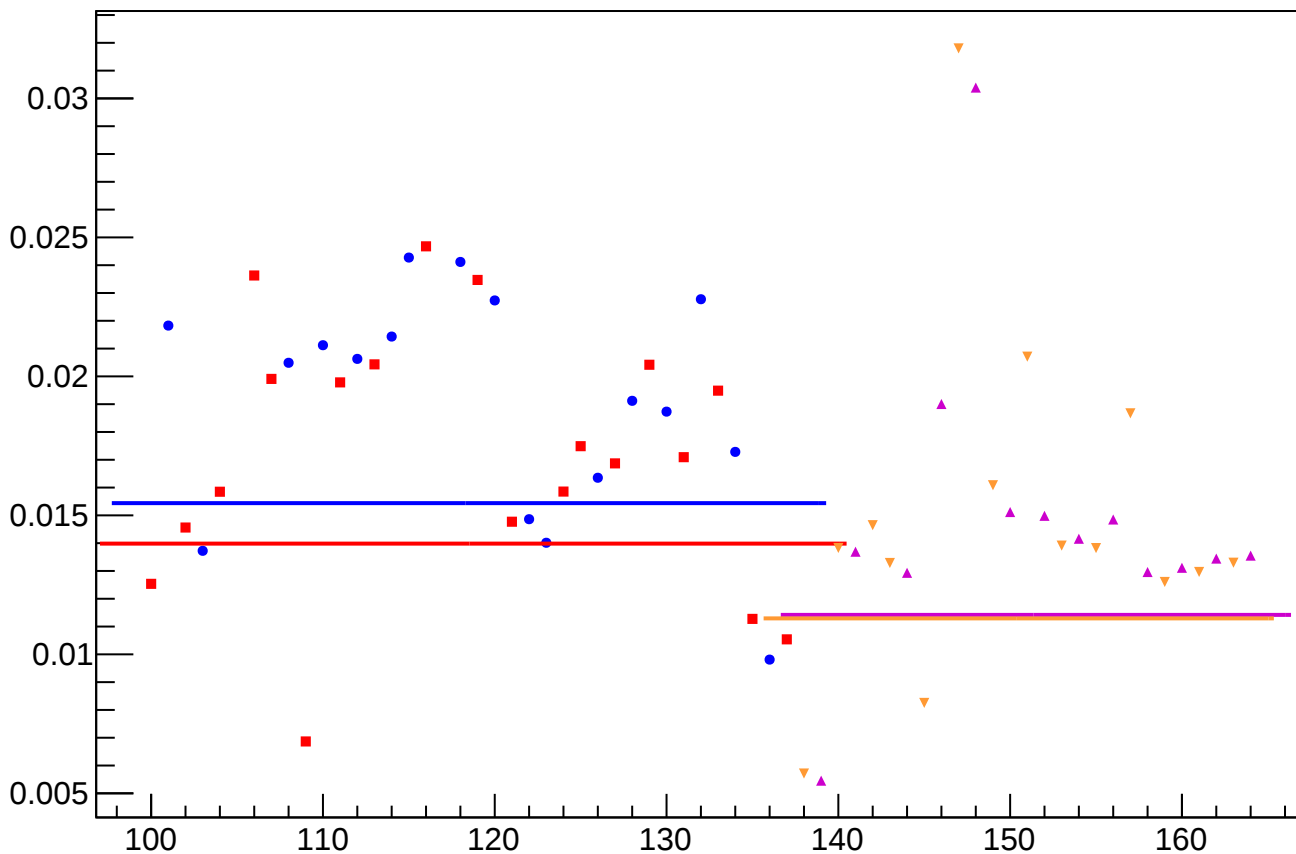
Left In: 0.384 $\pm$ 0.000 χ^2 /NDF: 16164192829.6/12

+ sign 0.172 $\pm$ 0.000 χ^2 /NDF: 30856279846.6/30

All: 0.243 $\pm$ 0.000 χ^2 /NDF: 61655426812.5/6

- sign 0.312 $\pm$ 0.000 χ^2 /NDF: 29897002813.3/31

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 : 2874176.6/13

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

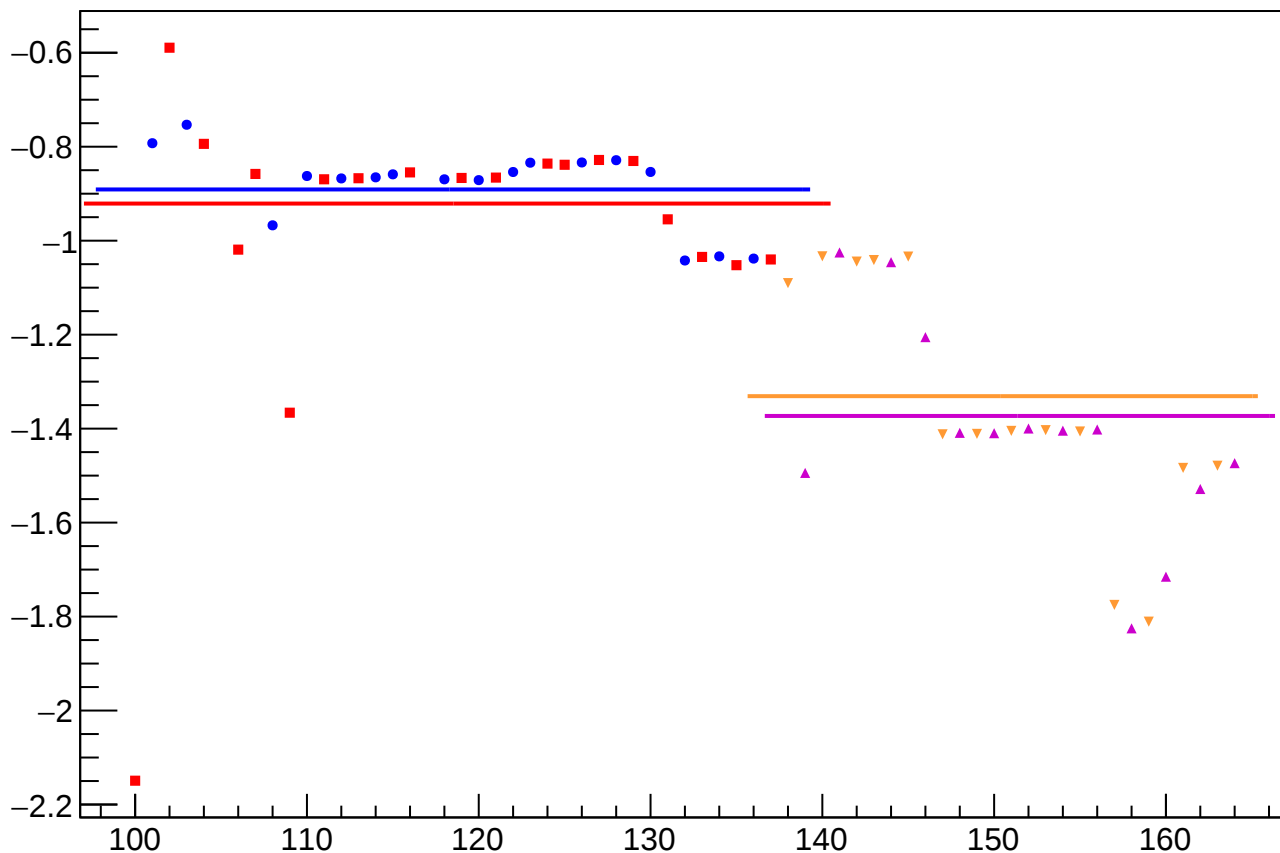
Left In: 0.011+/-0.000 χ^2/NDF : 2836215.5/12

+ sign 0.012+/-0.000 χ^2/NDF : 4635422.7/30

All: 0.012+/-0.000 χ^2/NDF : 9296236.5/62

- sign 0.012+/-0.000 χ^2/NDF : 4657697.3/31

yield_bpm12X_mean vs Slug



Right In: -0.891 ± 0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.331 ± 0.000 χ^2/NDF : 460772748.6/13

Right Out: -0.921 ± 0.000 χ^2/NDF : 131183059.9/18

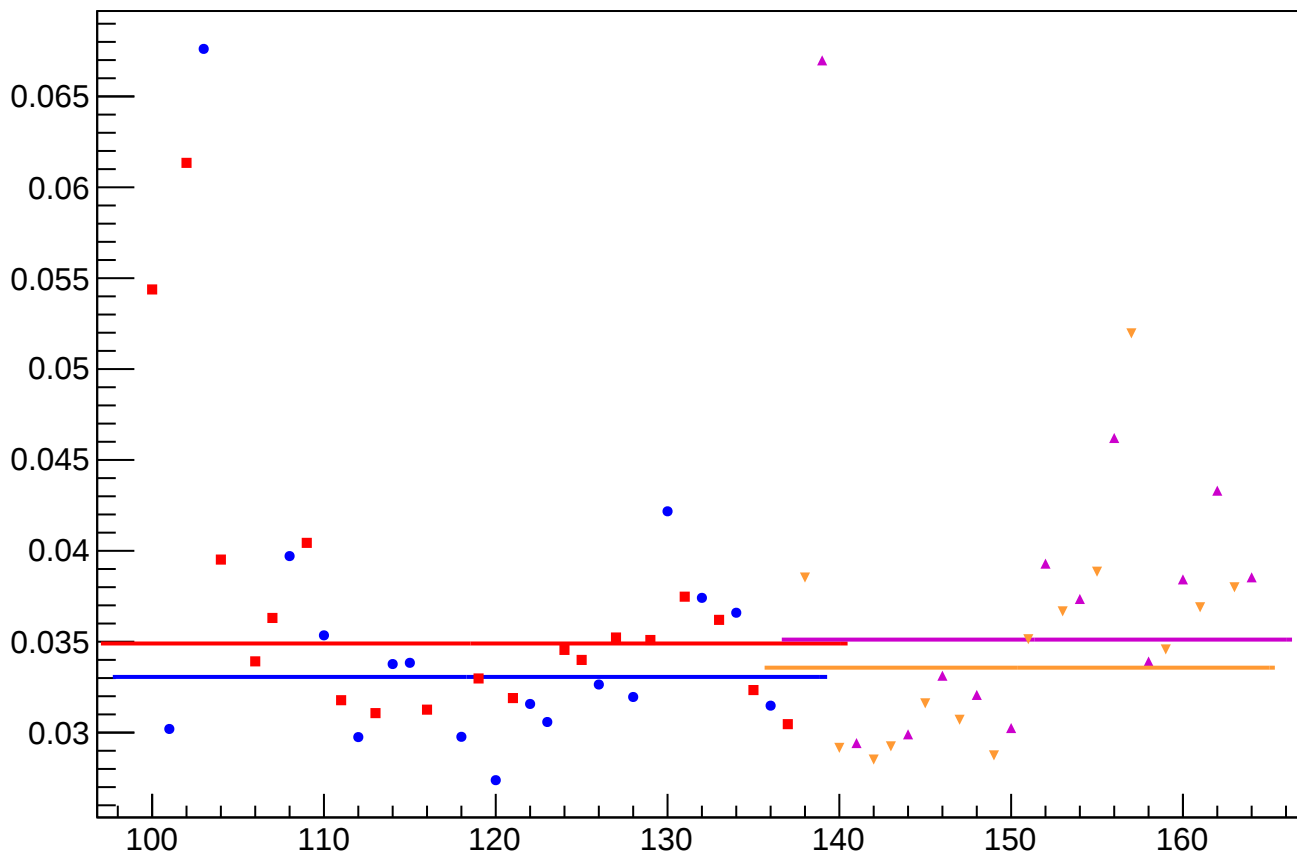
Left In: -1.373 ± 0.000 χ^2/NDF : 414780217.2/12

+ sign -1.153 ± 0.000 χ^2/NDF : 1120149811.5/30

All: -1.170 ± 0.000 χ^2/NDF : 2282945918.1/6

- sign -1.188 ± 0.000 χ^2/NDF : 1155193615.8/31

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.034+/-0.000 χ^2/NDF : 372068.1/13

Right Out: 0.035+/-0.000 χ^2/NDF : 274270.8/18

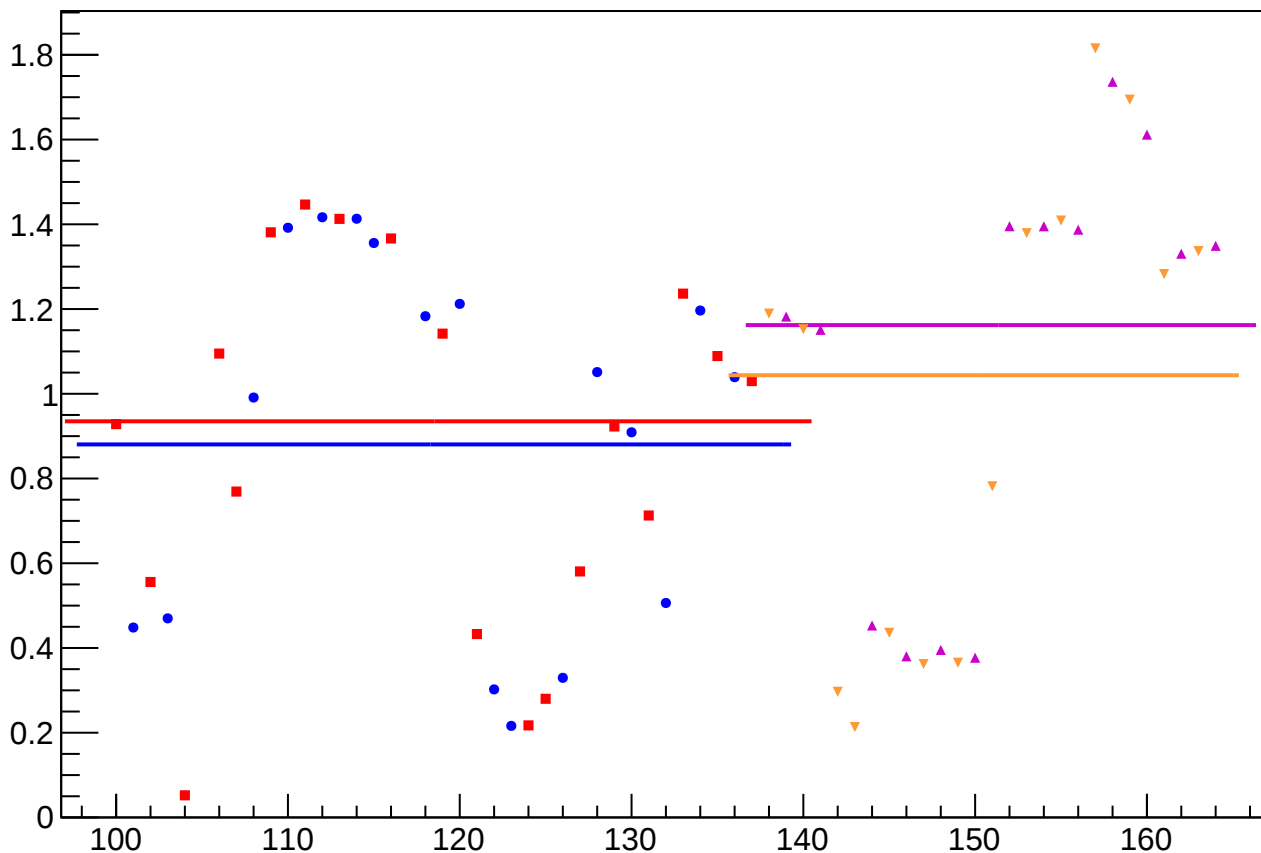
Left In: 0.035+/-0.000 χ^2/NDF : 626614.2/12

+ sign 0.033+/-0.000 χ^2/NDF : 783013.5/30

All: 0.034+/-0.000 χ^2/NDF : 1719524.3/62

- sign 0.035+/-0.000 χ^2/NDF : 901156.7/31

yield_bpm12Y_mean vs Slug



Right In: 0.880+/-0.000 χ^2/NDF : 6400108121.4/16

Left Out: 1.044+/-0.000 χ^2/NDF : 29388445877.4/13

Right Out: 0.935+/-0.000 χ^2/NDF : 9833525935.6/18

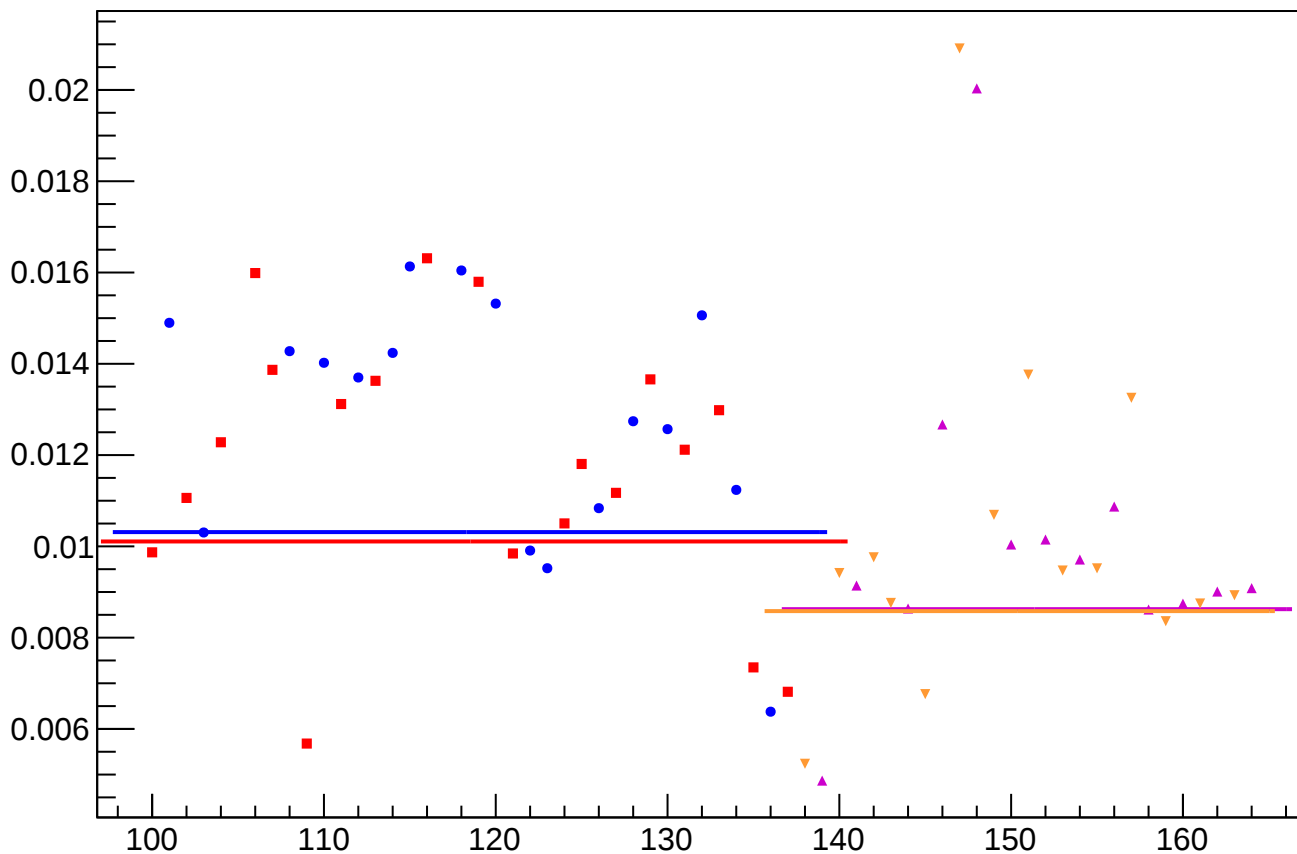
Left In: 1.162+/-0.000 χ^2/NDF : 21986640716.7/12

+ sign 0.995+/-0.000 χ^2/NDF : 36775939957.1/30

All: 1.043+/-0.000 χ^2/NDF : 71403465531.4/6

- sign 1.090+/-0.000 χ^2/NDF : 33828468356.0/31

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:1655633.6/13

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

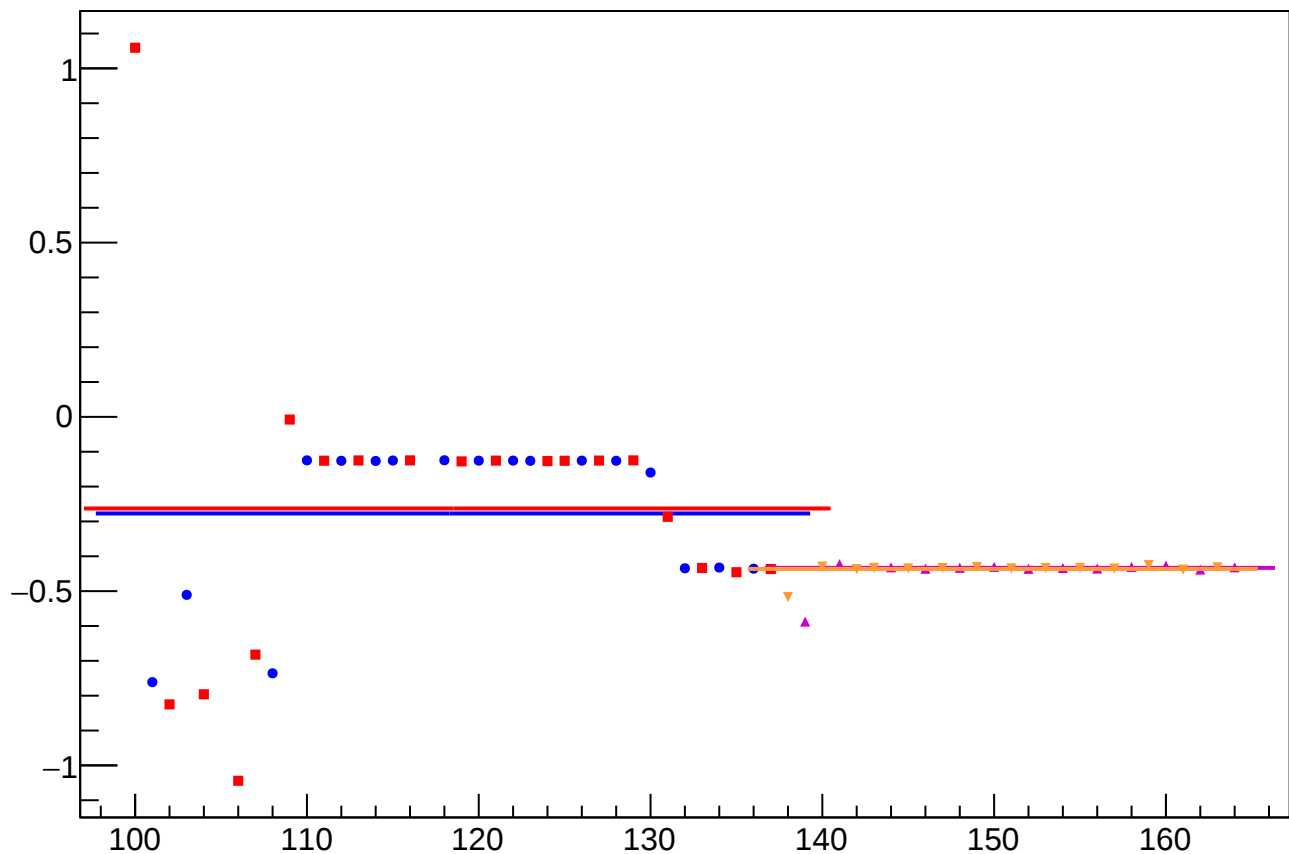
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1560378.8/12

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3108650.7/30

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6018935.2/62

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2910284.3/31

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 25595877.1/13

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

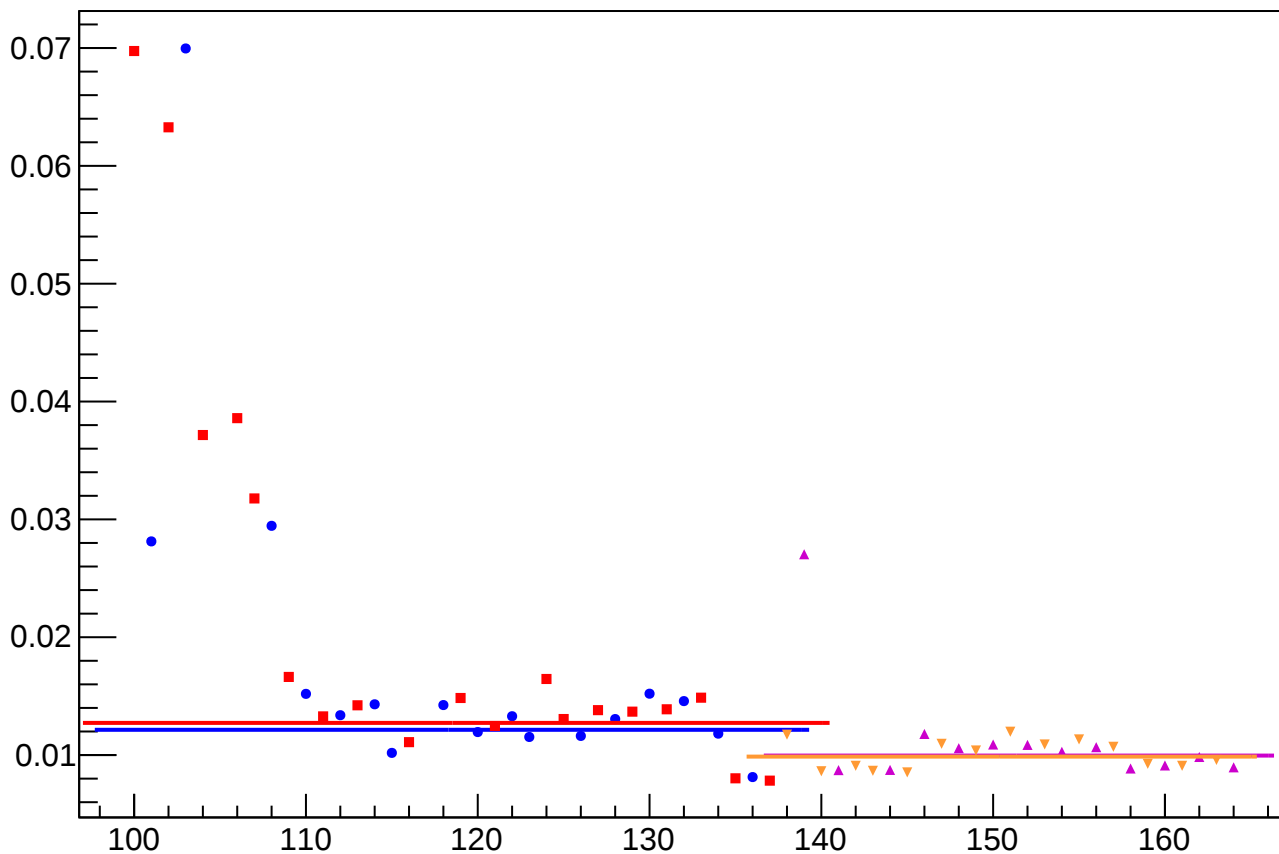
Left In: -0.433 ± 0.000 χ^2/NDF : 23368654.2/12

+ sign -0.394 ± 0.000 χ^2/NDF : 1560610465.7/30

All: -0.392 ± 0.000 χ^2/NDF : 3236592492.4/6

- sign -0.389 ± 0.000 χ^2/NDF : 1674513797.6/31

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:224039.8/13

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

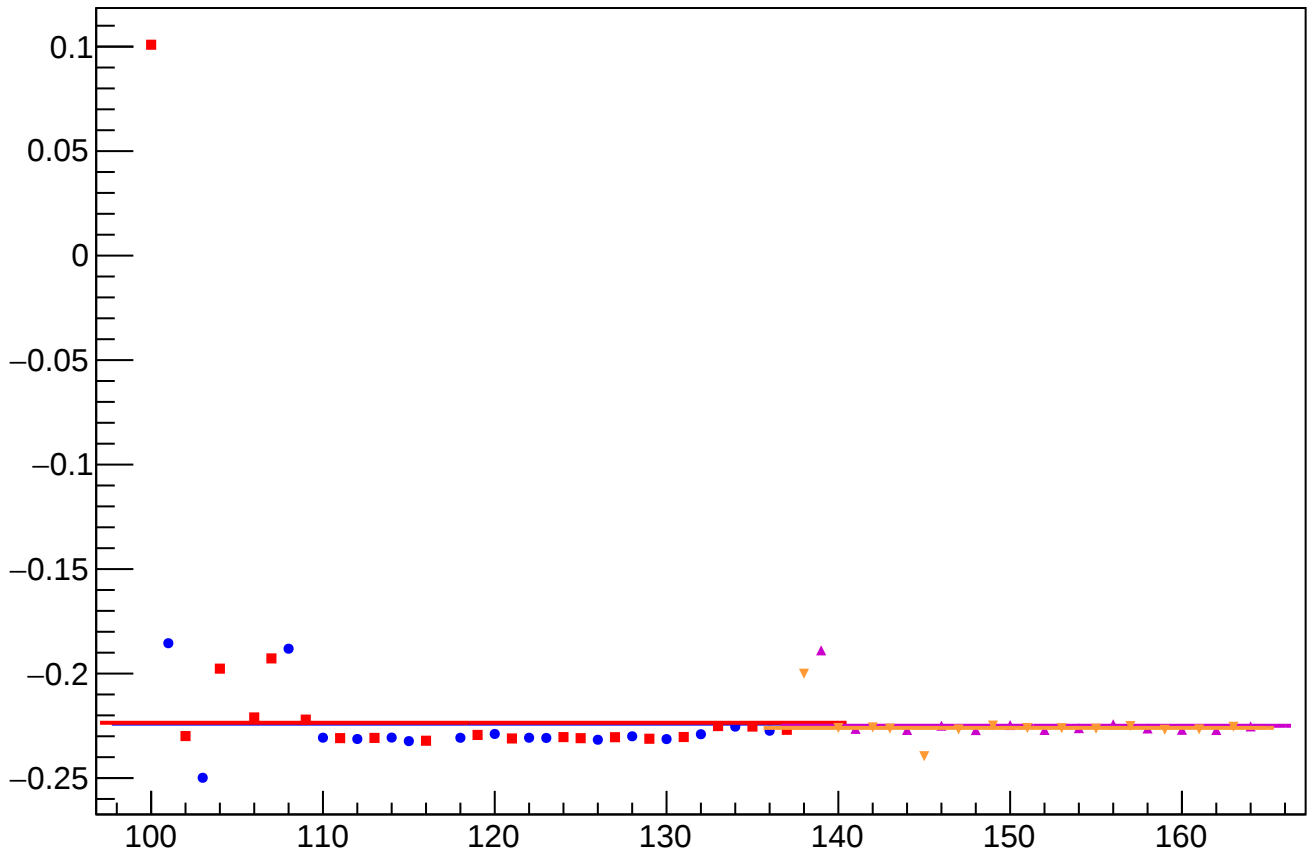
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:693885.3/12

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2194483.9/30

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5203025.7/62

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3003696.2/31

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74704721.6/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20582952.8/13

+ sign -0.225+/-0.000 χ^2/NDF : 95951725.4/30

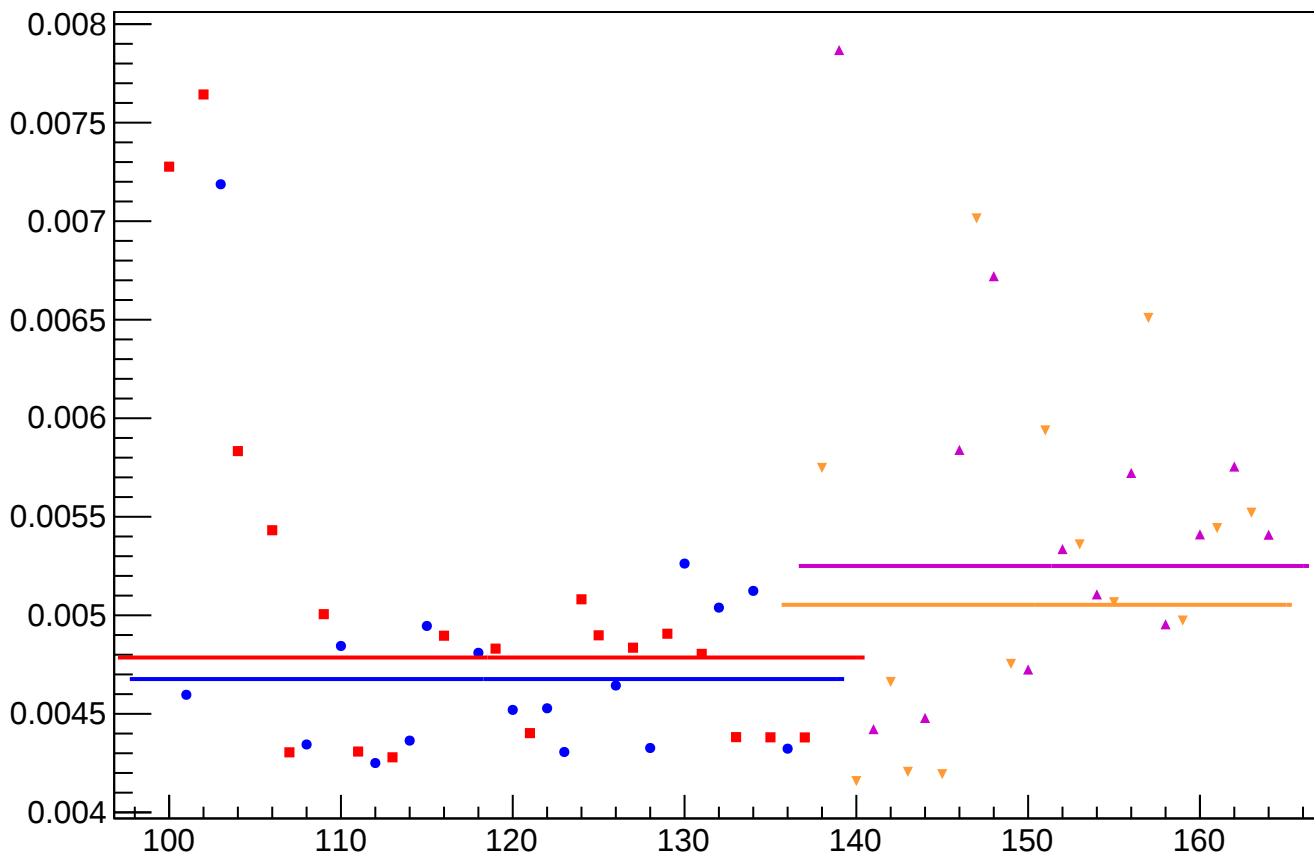
Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

All: -0.225+/-0.000 χ^2/NDF : 278838199.0/62

Left In: -0.225+/-0.000 χ^2/NDF : 14246479.7/12

- sign -0.224+/-0.000 χ^2/NDF : 182689811.6/31

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 : 445172.3/13

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

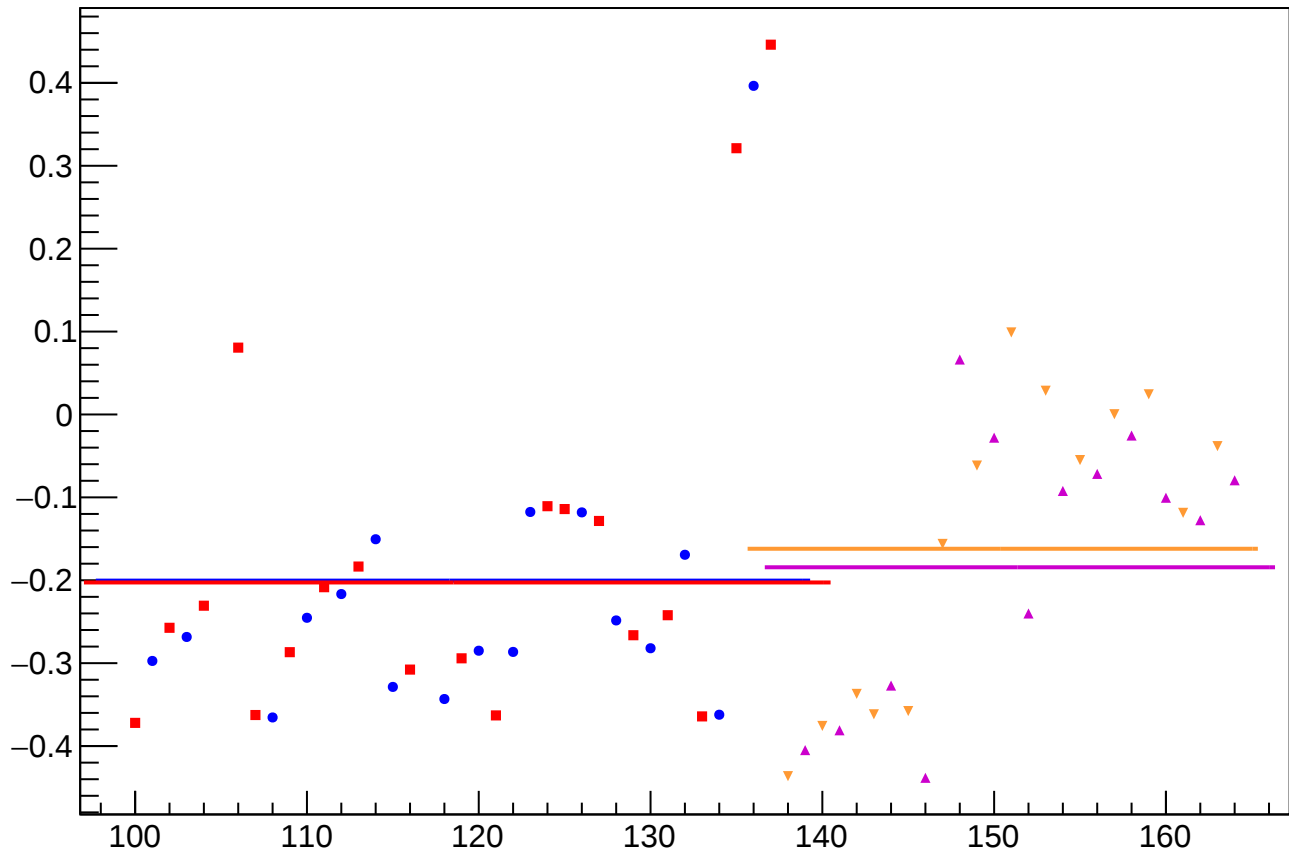
Left In: 0.005+/-0.000 χ^2/NDF : 382393.9/12

+ sign 0.005+/-0.000 χ^2/NDF : 671716.9/30

All: 0.005+/-0.000 χ^2/NDF : 1383420.9/62

- sign 0.005+/-0.000 χ^2/NDF : 697405.4/31

yield_bpm0i02X_mean vs Slug



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.162+/-0.000 χ^2/NDF : 10816003561.5/13

Right Out: -0.203+/-0.000 χ^2/NDF : 5028268807.1/18

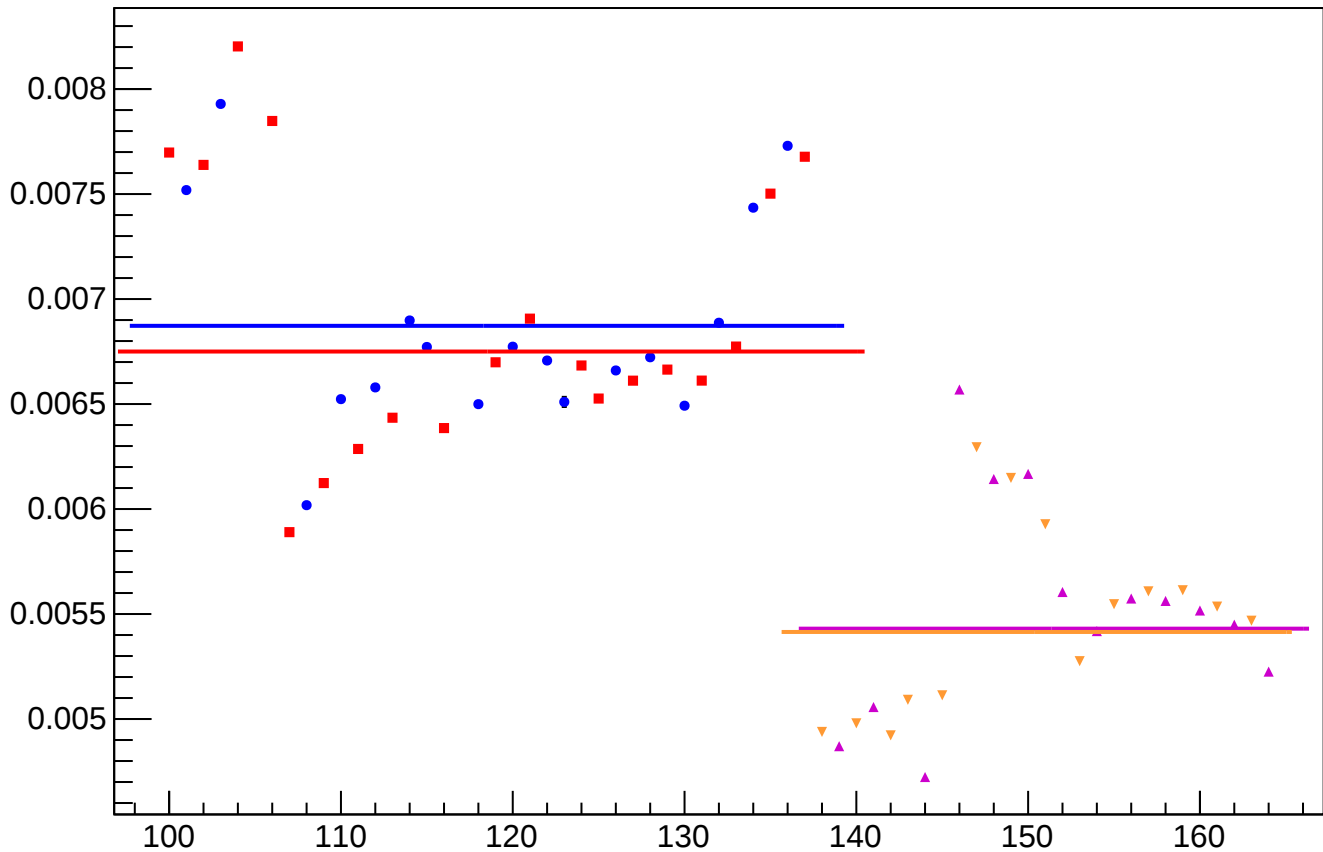
Left In: -0.184+/-0.000 χ^2/NDF : 7643269470.3/12

+ sign -0.173+/-0.000 χ^2/NDF : 16934356097.7/30

All: -0.182+/-0.000 χ^2/NDF : 29707454507.7/31

- sign -0.190+/-0.000 χ^2/NDF : 12706014958.8/31

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 78611.6/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:105535.0/13

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 105124.4/18

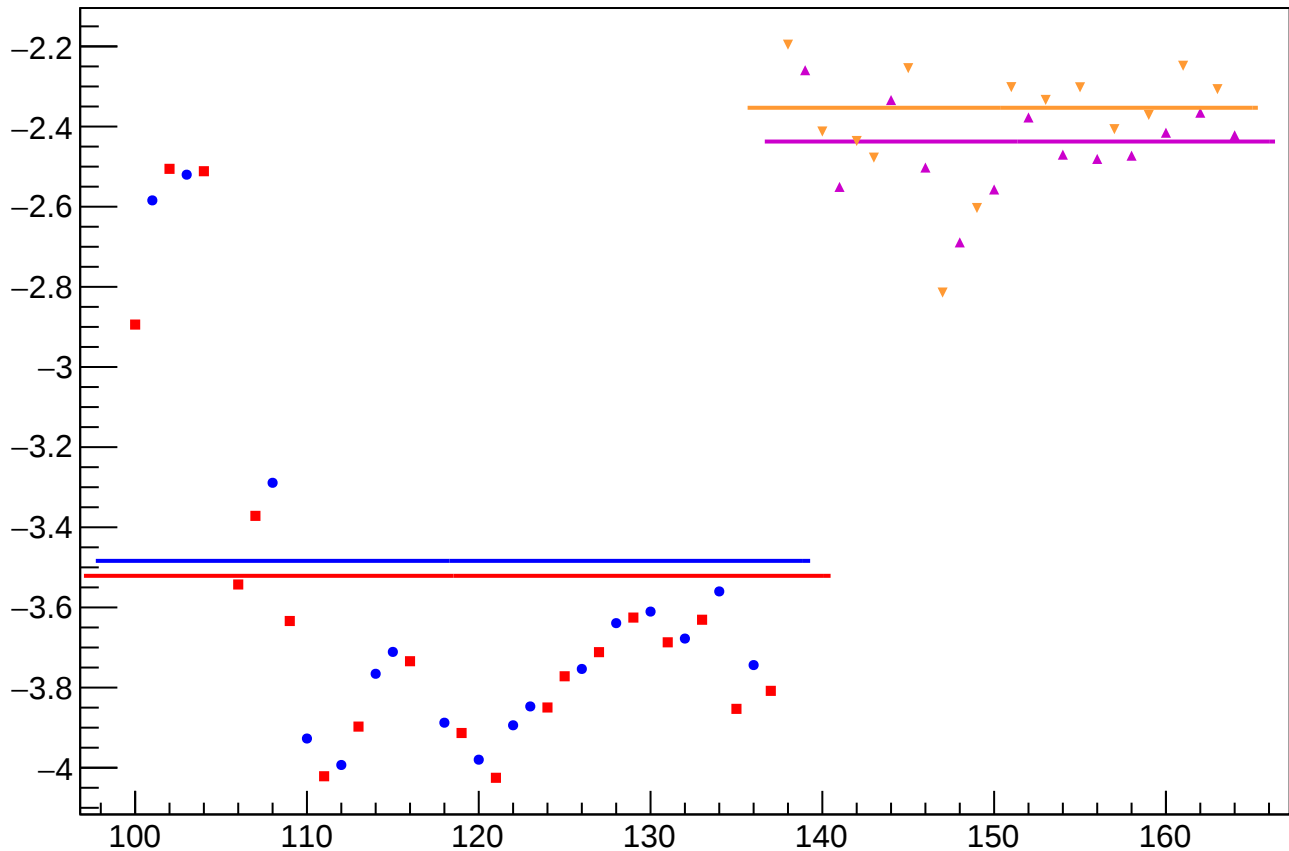
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:145752.4/12

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 600650.1/30

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1209419.8/62

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 608745.6/31

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.353+/-0.000 χ^2/NDF : 1652729378.9/13

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

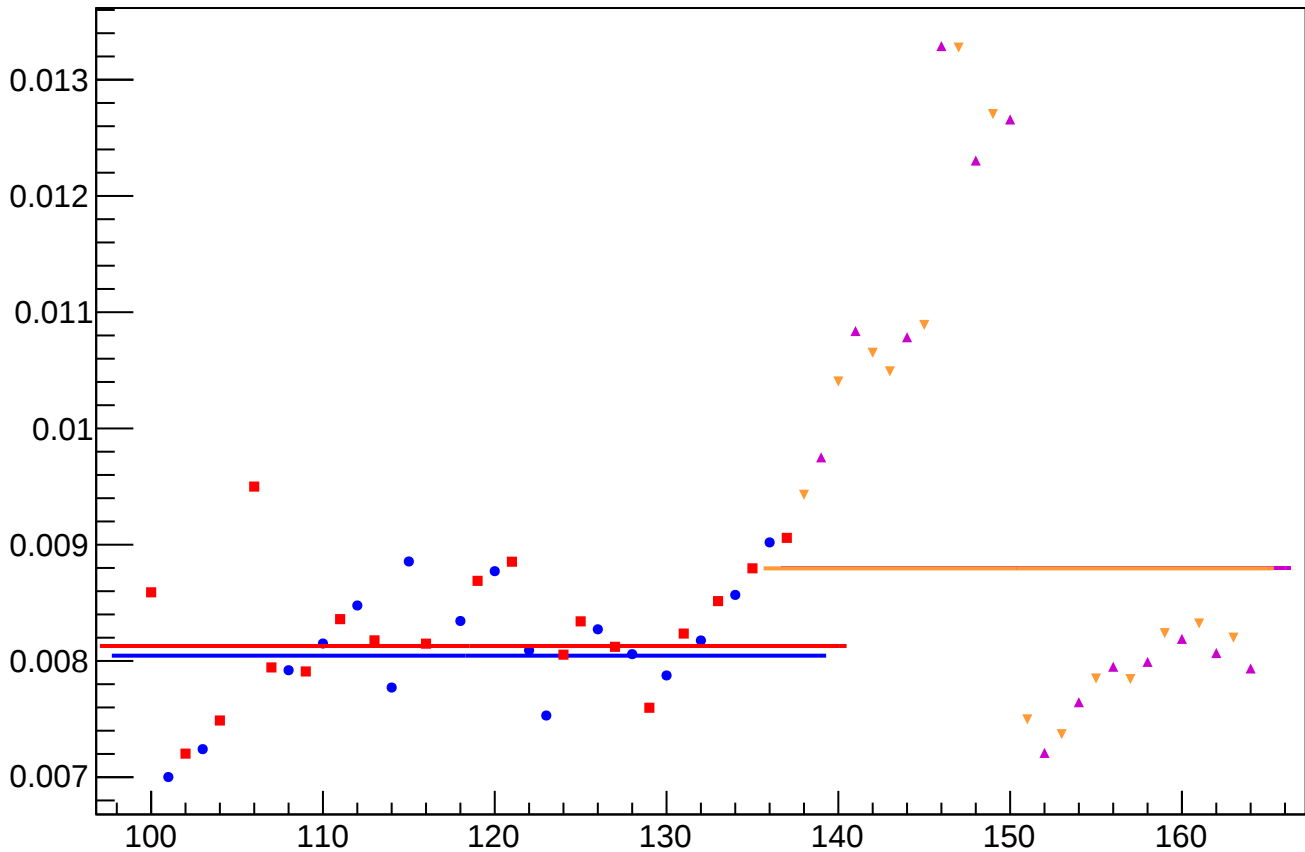
Left In: -2.437+/-0.000 χ^2/NDF : 934528236.0/12

+ sign -2.862+/-0.000 χ^2/NDF : 99480990819.6/30

All: -2.899+/-0.000 χ^2/NDF : 192528126338.0

- sign -2.936+/-0.000 χ^2/NDF : 92445204526.8/31

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 : 581610.0/13

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

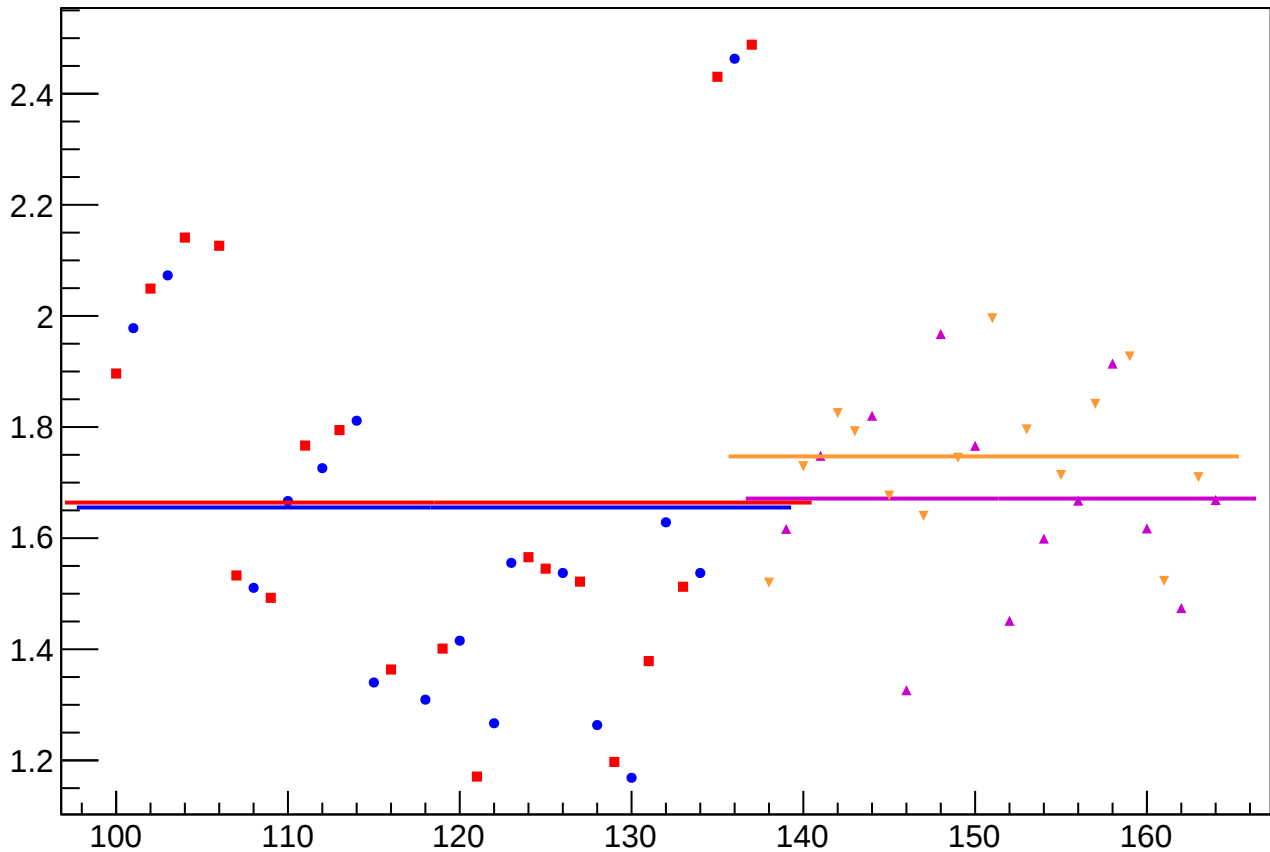
Left In: 0.009+/-0.000 χ^2/NDF : 698669.7/12

+ sign 0.008+/-0.000 χ^2/NDF : 715936.7/30

All: 0.008+/-0.000 χ^2/NDF : 1522139.3/62

- sign 0.008+/-0.000 χ^2/NDF : 805962.1/31

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 $\pm$ 0.000 χ^2 /NDF: 6476474909.3/16

Left Out: 1.747 $\pm$ 0.000 χ^2 /NDF:1503267054.5/13

Right Out: 1.664 $\pm$ 0.000 χ^2 /NDF: 5944262279.7/18

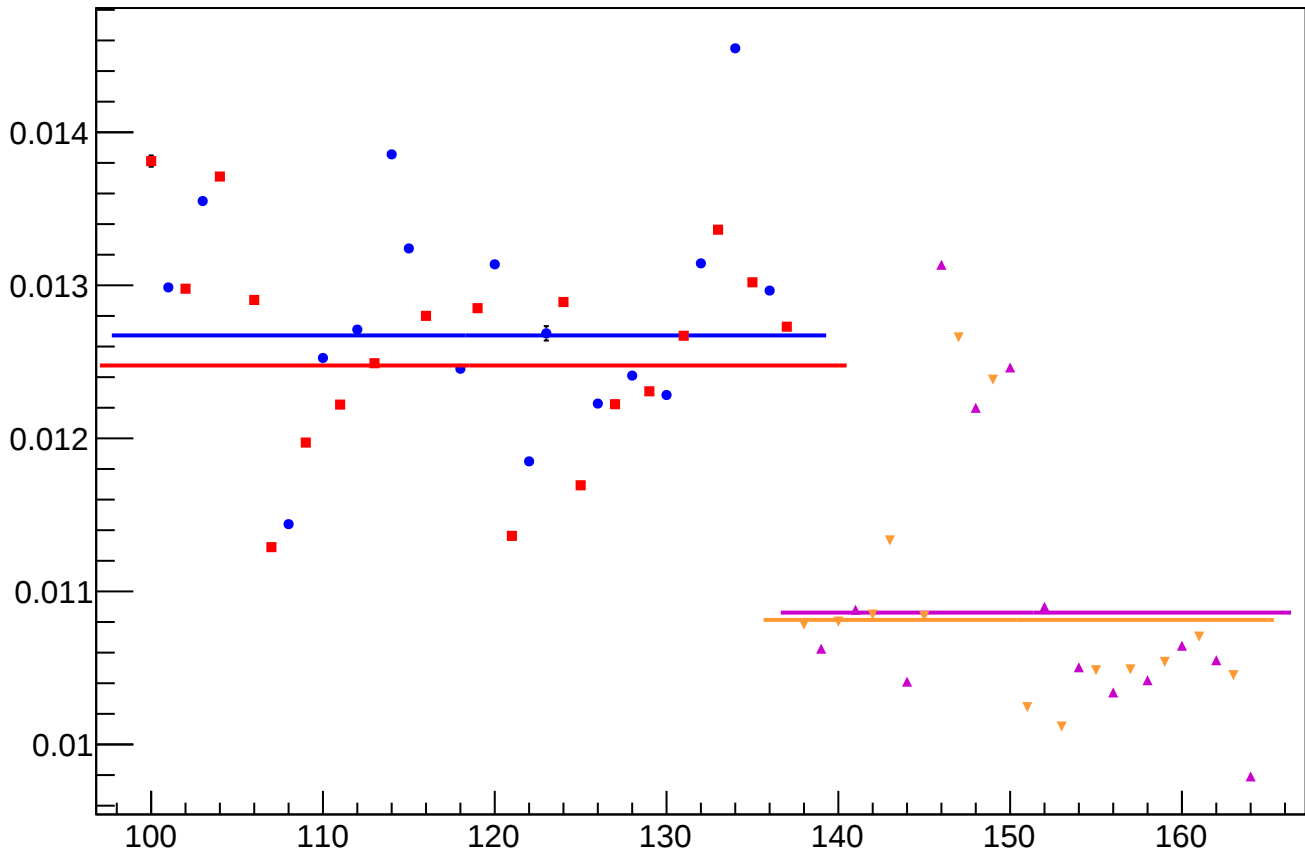
Left In: 1.671 $\pm$ 0.000 χ^2 /NDF:2242077618.8/12

+ sign 1.717 $\pm$ 0.000 χ^2 /NDF: 8212636911.4/30

All: 1.693 $\pm$ 0.000 χ^2 /NDF: 16549050892.8/6

- sign 1.669 $\pm$ 0.000 χ^2 /NDF: 8187819269.8/31

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:74567.0/13

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 39134.8/18

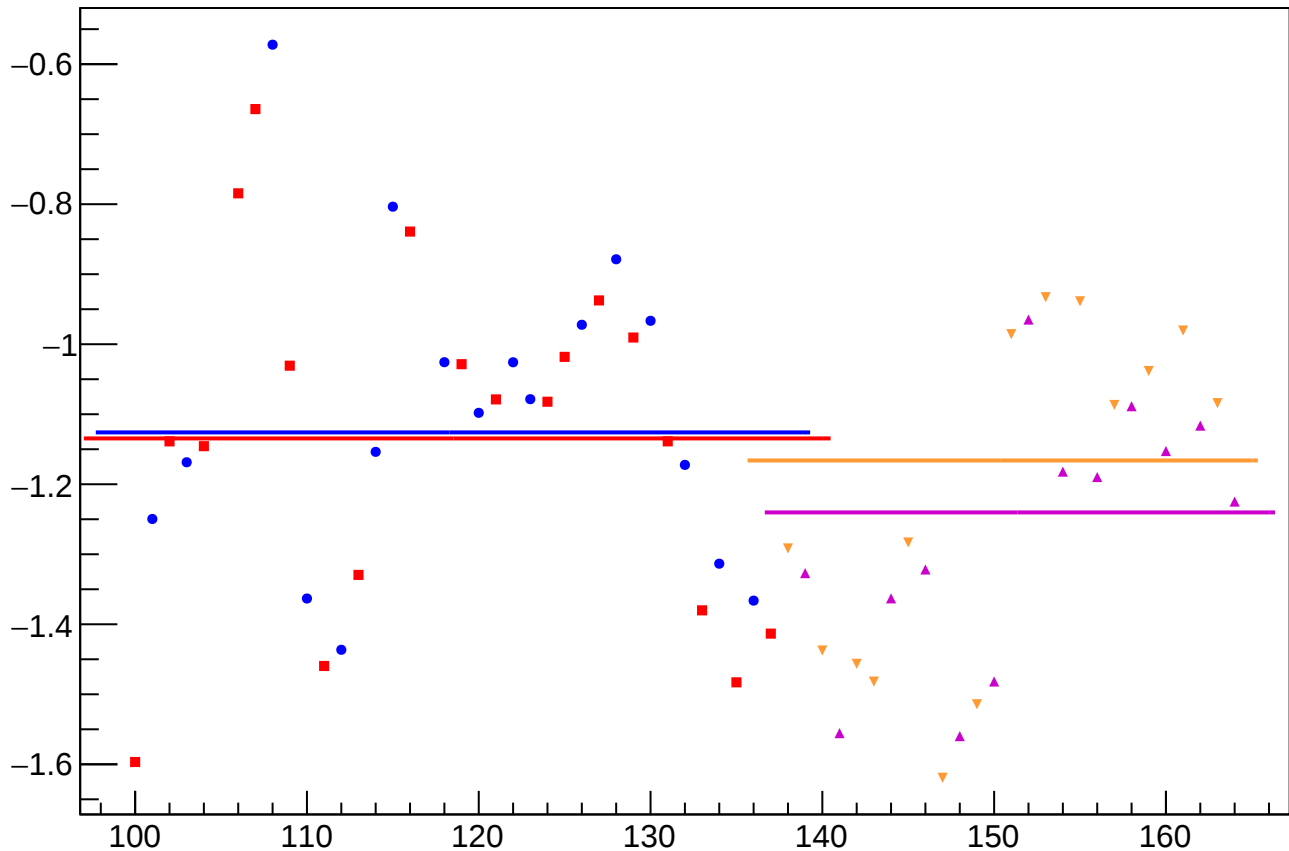
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:113149.4/12

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 296957.4/30

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 599102.1/62

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 302131.9/31

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.166+/-0.000 χ^2/NDF : 7023917905.3/13

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

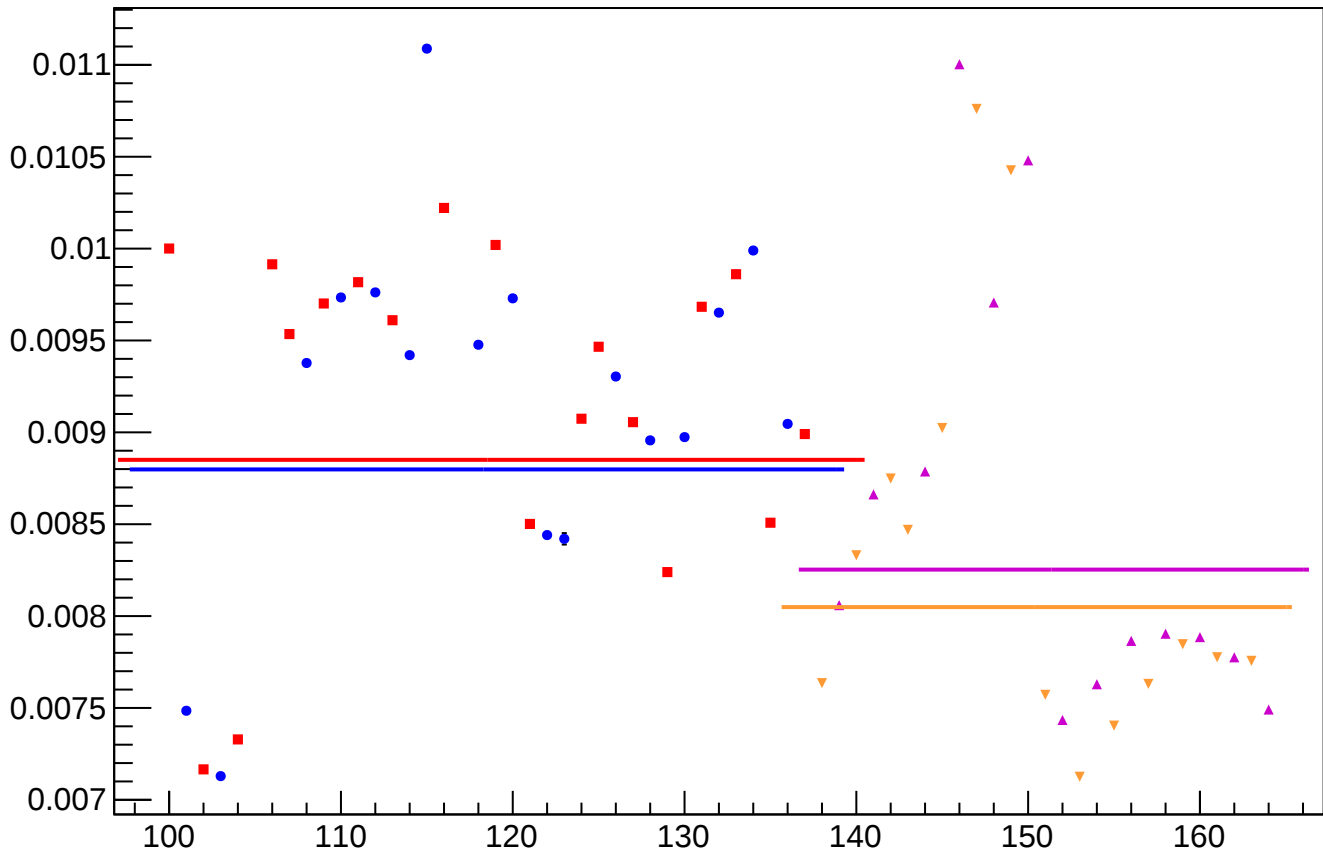
Left In: -1.240+/-0.000 χ^2/NDF : 4215098436.0/12

+ sign -1.152+/-0.000 χ^2/NDF : 10683453646.9/30

All: -1.176+/-0.000 χ^2/NDF : 19429449254.5/31

- sign -1.200+/-0.000 χ^2/NDF : 8478889172.5/31

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :229594.5/13

Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

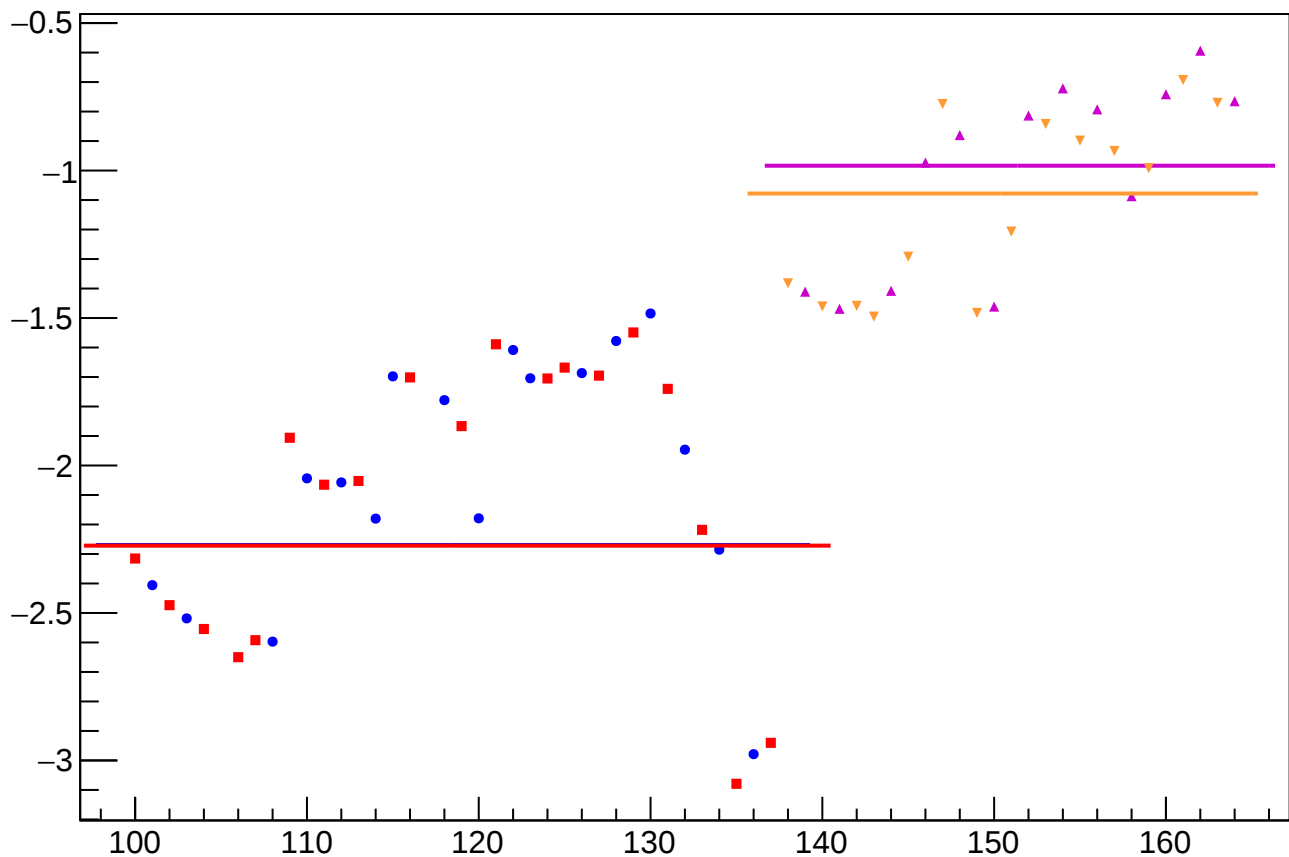
Left In: 0.008+/-0.000 χ^2/NDF :241312.3/12

+ sign 0.008+/-0.000 χ^2/NDF : 440426.6/30

All: 0.008+/-0.000 χ^2/NDF : 899017.1/62

- sign 0.008+/-0.000 χ^2/NDF : 452752.3/31

yield_bpm0i05X_mean vs Slug



Right In: -2.270 ± 0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.078 ± 0.000 χ^2/NDF : 16008669369.9/13

Right Out: -2.272 ± 0.000 χ^2/NDF : 19009331715.4/18

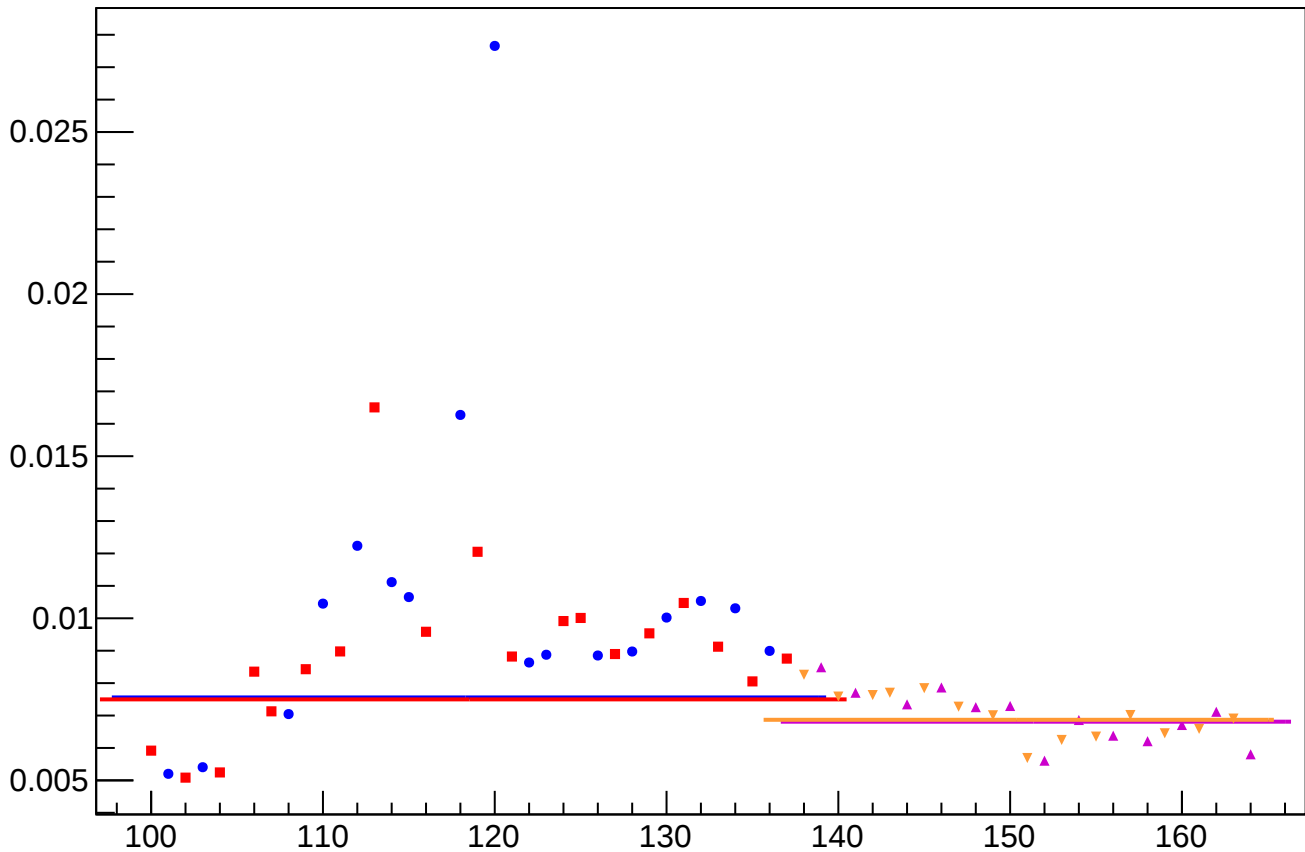
Left In: -0.984 ± 0.000 χ^2/NDF : 17692293361.4/12

+ sign -1.443 ± 0.000 χ^2/NDF : 120253992703.2/30

All: -1.425 ± 0.000 χ^2/NDF : 267918810951.5

- sign -1.408 ± 0.000 χ^2/NDF : 147487503253.4/31

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 :189725.3/13

Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

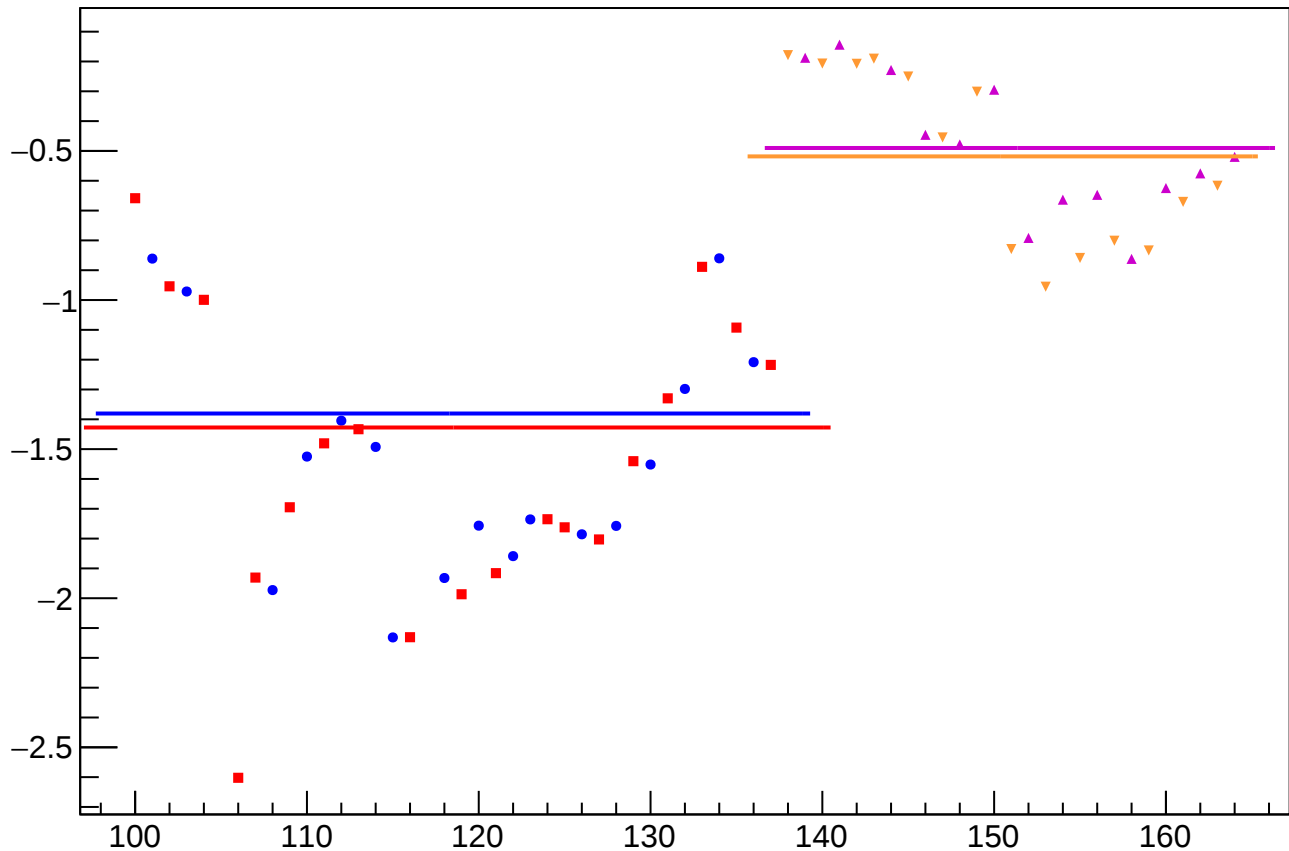
Left In: 0.007+/-0.000 χ^2/NDF :246110.9/12

+ sign 0.007+/-0.000 χ^2/NDF : 1468849.1/30

All: 0.007+/-0.000 χ^2/NDF : 2712714.1/62

- sign 0.007+/-0.000 χ^2/NDF : 1243329.7/31

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.518+/-0.000 χ^2/NDF : 44307741538.9/13

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

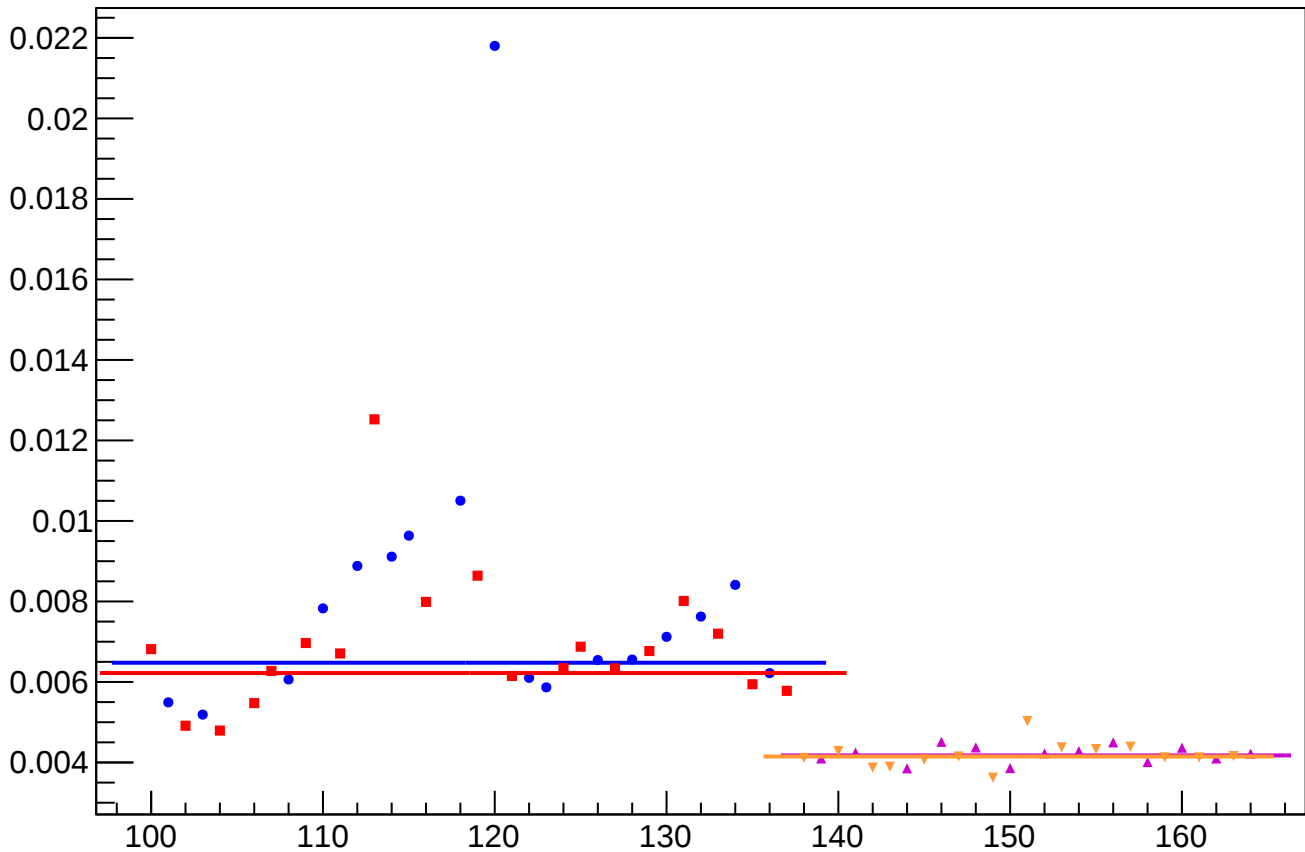
Left In: -0.490+/-0.000 χ^2/NDF : 28051128216.4/12

+ sign -0.684+/-0.000 χ^2/NDF : 142295328668.4/30

All: -0.691+/-0.000 χ^2/NDF : 303978801766.5

- sign -0.697+/-0.000 χ^2/NDF : 161621626643.0/31

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 : 87314.9/13

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

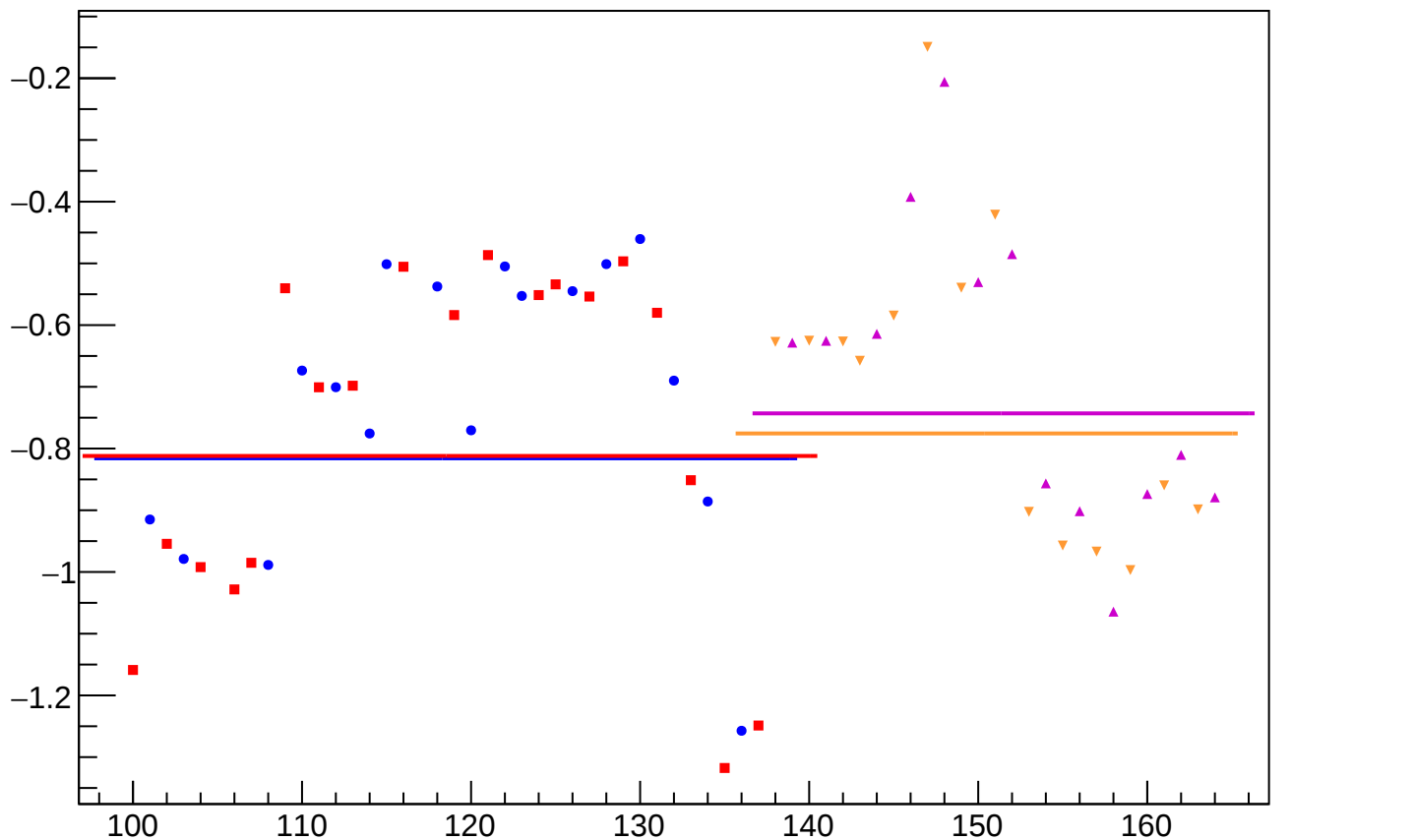
Left In: 0.004+/-0.000 χ^2/NDF : 46757.0/12

+ sign 0.005+/-0.000 χ^2/NDF : 1798331.6/30

All: 0.005+/-0.000 χ^2/NDF : 3260263.8/62

- sign 0.005+/-0.000 χ^2/NDF : 1461211.3/31

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.776+/-0.000 χ^2/NDF : 25282397091.8/13

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

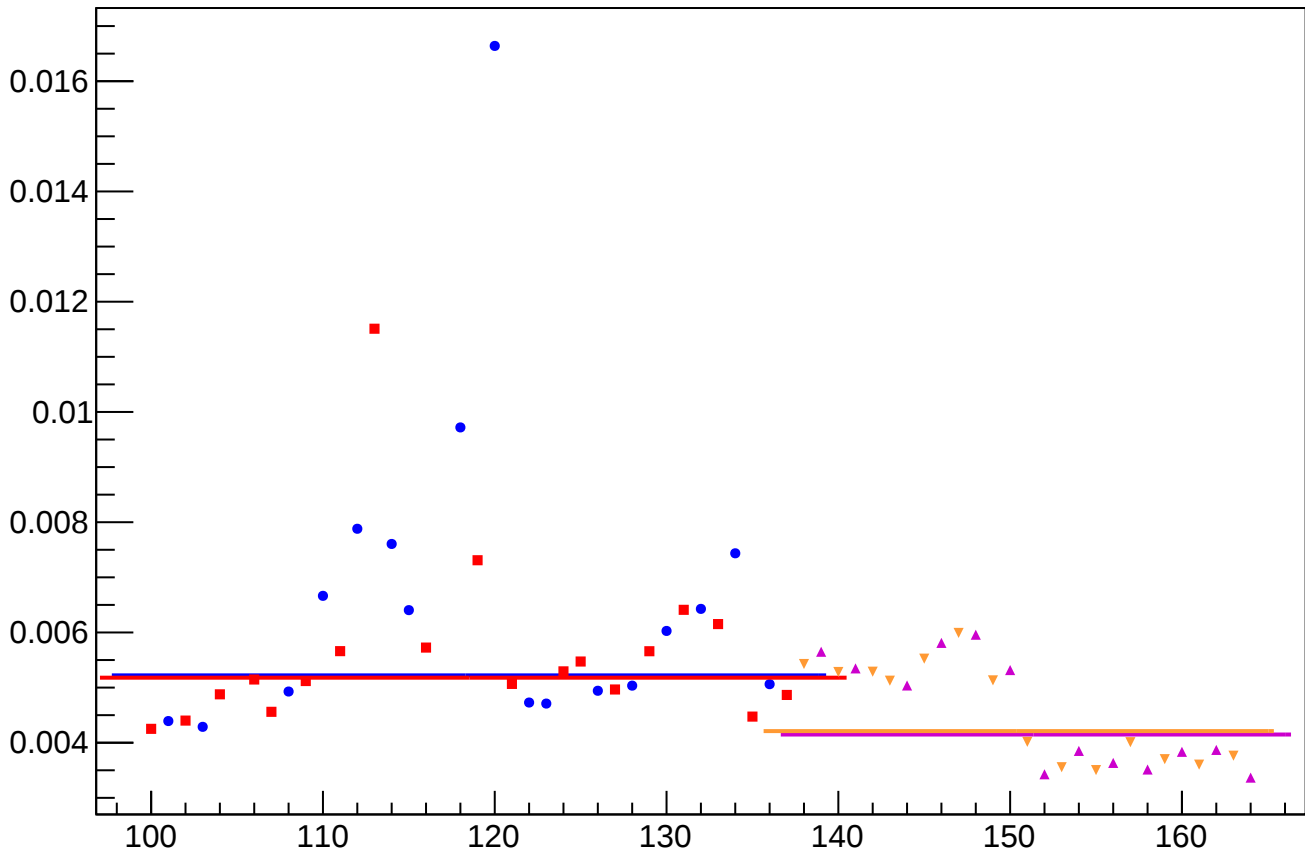
Left In: -0.743+/-0.000 χ^2/NDF : 25937863647.5/12

+ sign -0.787+/-0.000 χ^2/NDF : 39685740290.4/30

All: -0.775+/-0.000 χ^2/NDF : 83382910794.8/31

- sign -0.763+/-0.000 χ^2/NDF : 43498183835.3/31

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 : 656889.3/13

Right Out: 0.005+/-0.000 χ^2/NDF : 363781.3/18

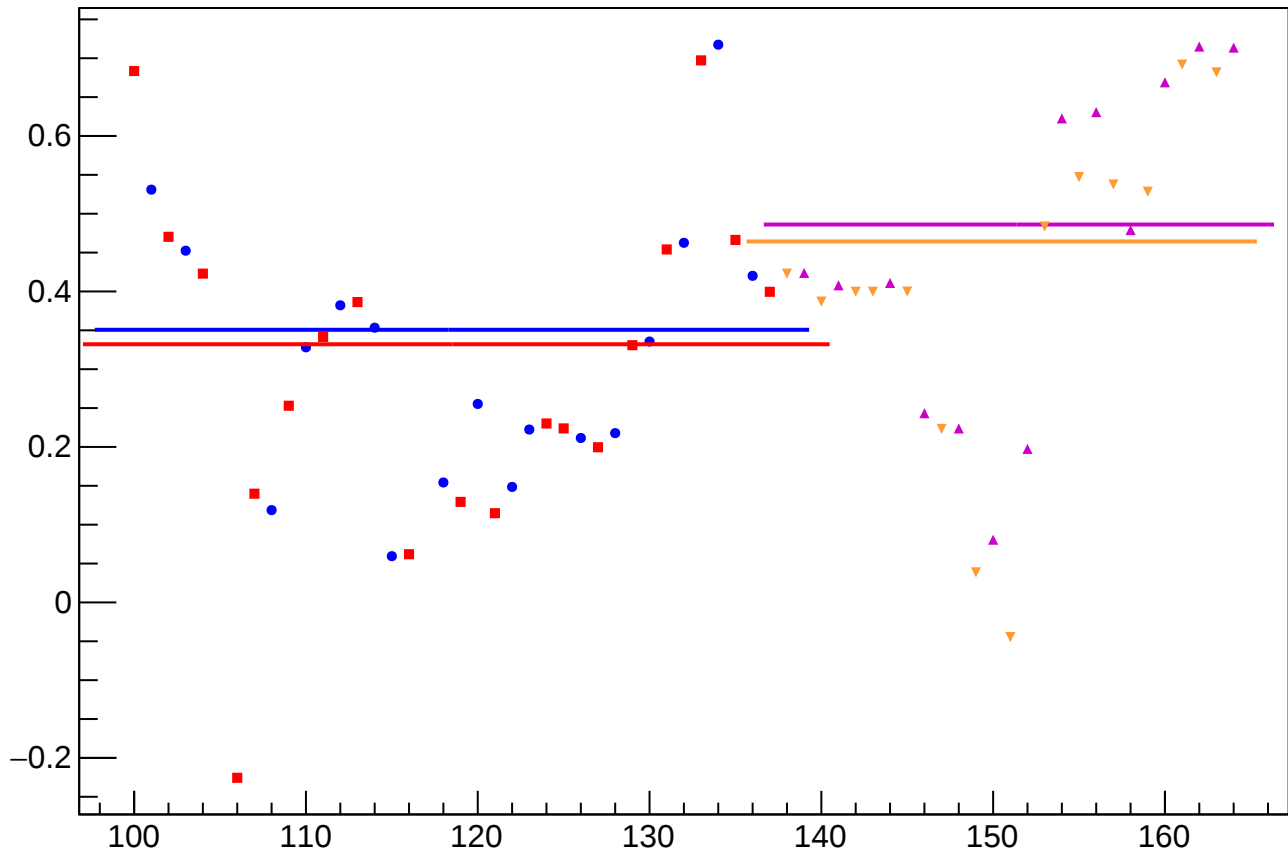
Left In: 0.004+/-0.000 χ^2/NDF : 785042.4/12

+ sign 0.004+/-0.000 χ^2/NDF : 1612084.3/30

All: 0.004+/-0.000 χ^2/NDF : 3094163.0/62

- sign 0.004+/-0.000 χ^2/NDF : 1481125.8/31

yield_bpm0i07Y_mean vs Slug



Right In: 0.351 ± 0.000 $\chi^2/\text{NDF}: 7410859446.3/16$

Left Out: 0.464 ± 0.000 $\chi^2/\text{NDF}: 29577489601.1/13$

Right Out: 0.332 ± 0.000 $\chi^2/\text{NDF}: 11796213425.9/18$

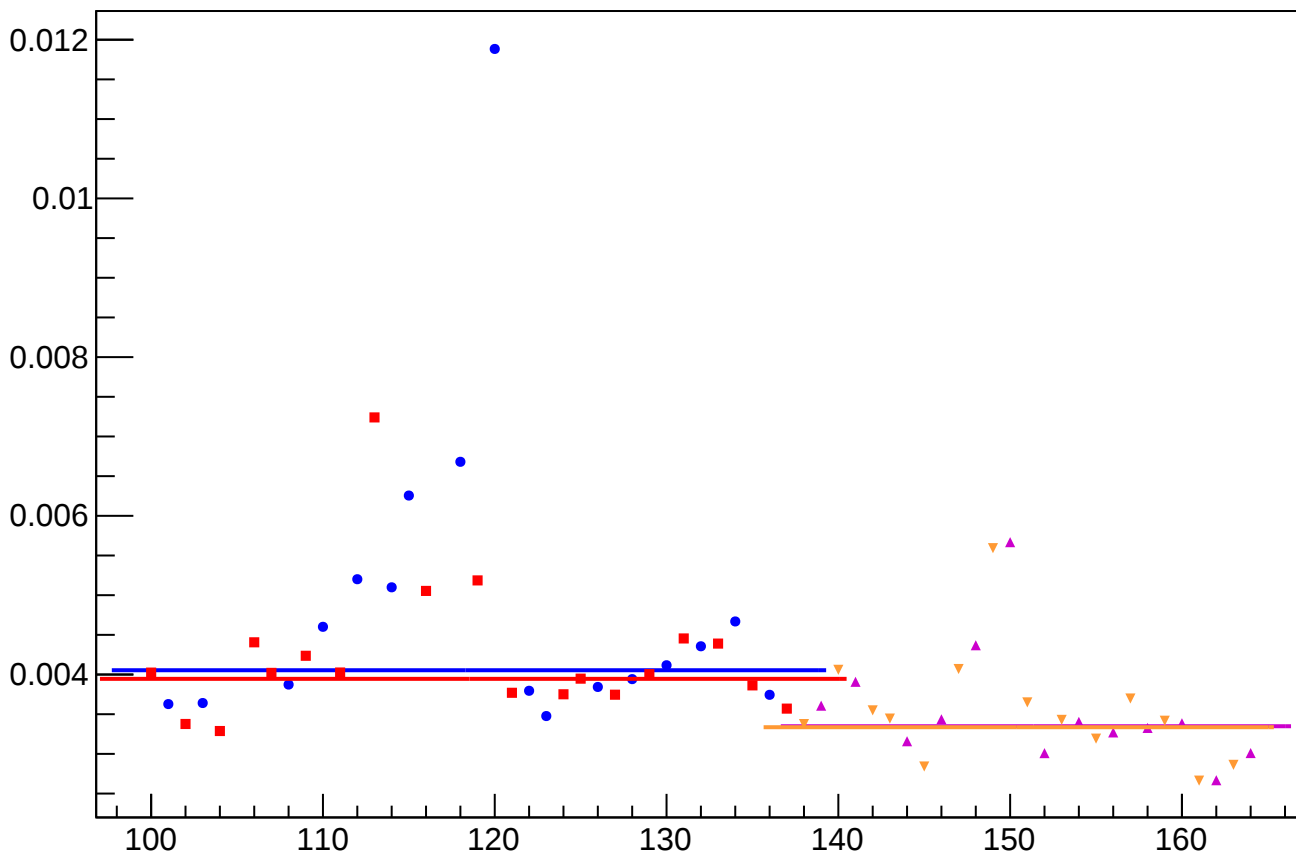
Left In: 0.486 ± 0.000 $\chi^2/\text{NDF}: 30516364840.3/12$

+ sign 0.430 ± 0.000 $\chi^2/\text{NDF}: 40103594217.0/30$

All: 0.432 ± 0.000 $\chi^2/\text{NDF}: 88655122968.1/6$

- sign 0.435 ± 0.000 $\chi^2/\text{NDF}: 48536527075.8/31$

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:510746.8/13

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

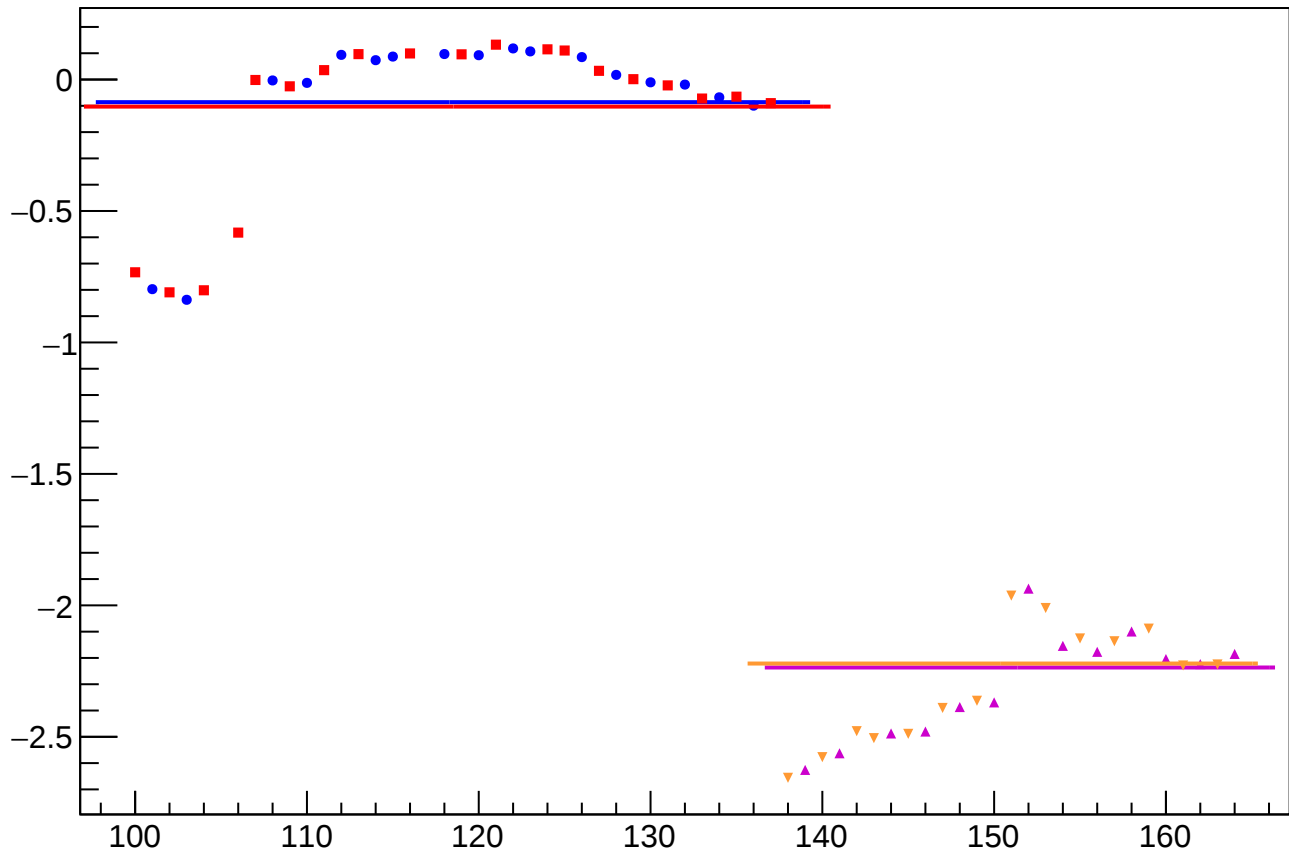
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:497488.2/12

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1215010.3/30

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2160623.5/62

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 945553.4/31

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.221+/-0.000 χ^2/NDF : 3413503356.0/13

Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

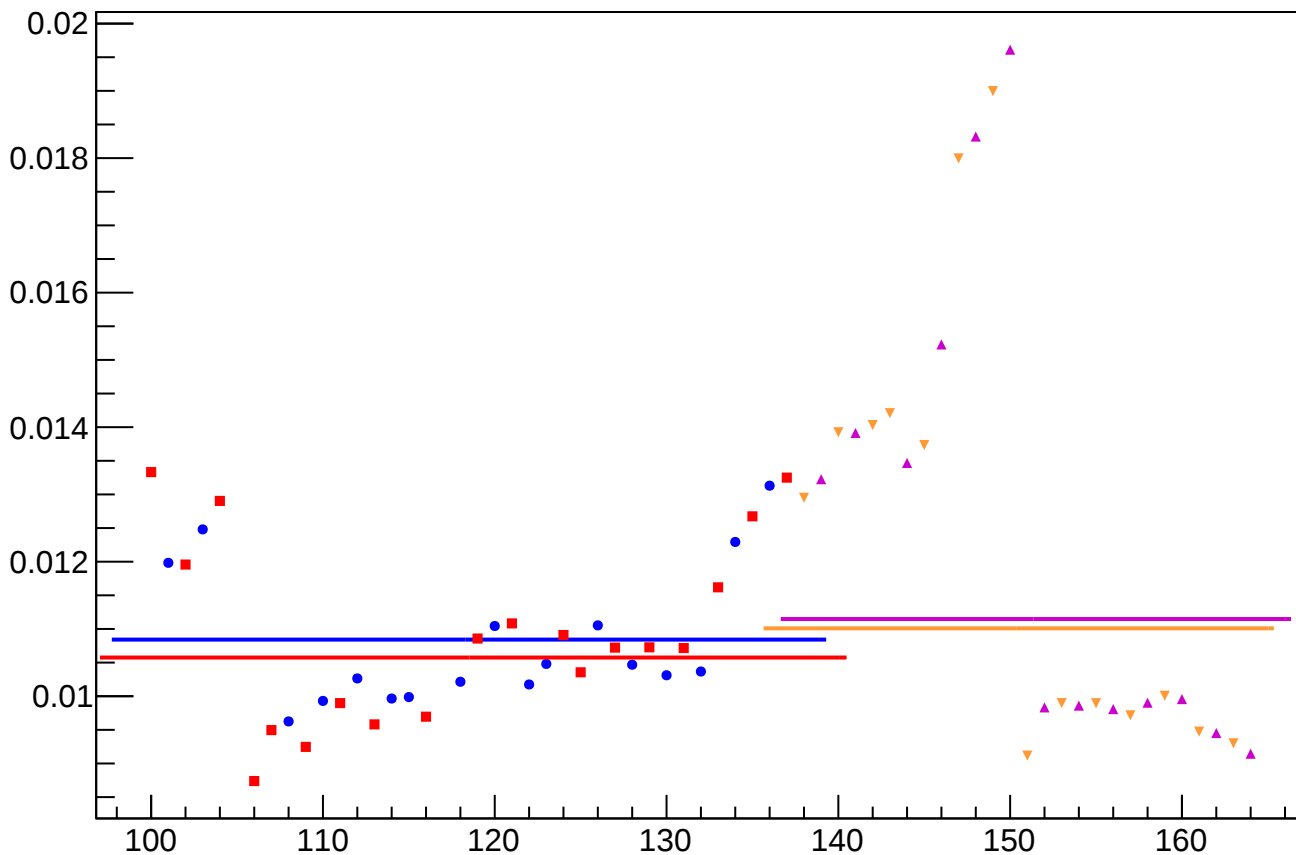
Left In: -2.236+/-0.000 χ^2/NDF : 2682559736.3/12

+ sign -1.349+/-0.000 χ^2/NDF : 160709051336.2/30

All: -1.317+/-0.000 χ^2/NDF : 327460445361.6

- sign -1.286+/-0.000 χ^2/NDF : 166470004638.9/31

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 :1028070.9/13

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

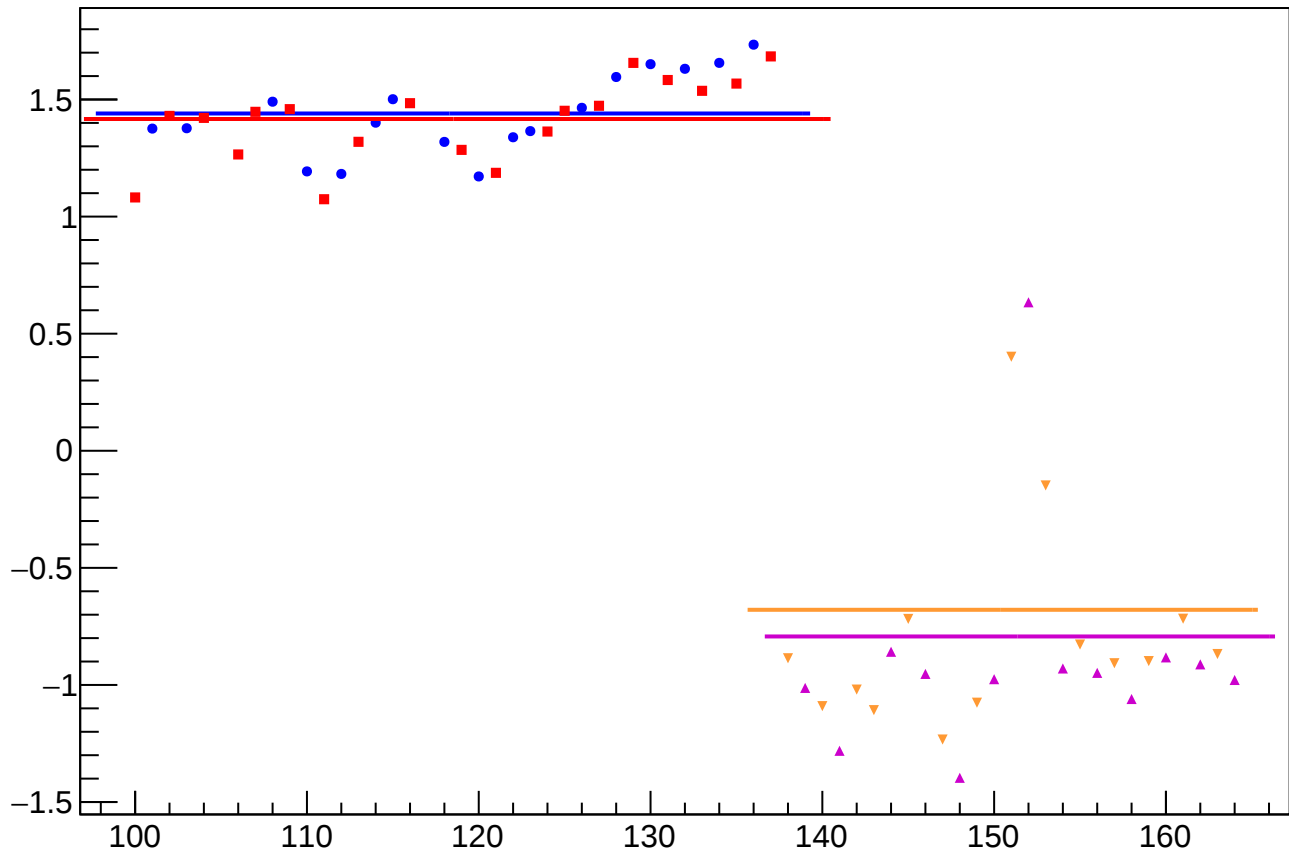
Left In: 0.011+/-0.000 χ^2/NDF :1074101.1/12

+ sign 0.011+/-0.000 χ^2/NDF : 1154201.3/30

All: 0.011+/-0.000 χ^2/NDF : 2430399.8/62

- sign 0.011+/-0.000 χ^2/NDF : 1275875.8/31

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.679 $\pm$ 0.000 χ^2 /NDF: 29706772260.1/13

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

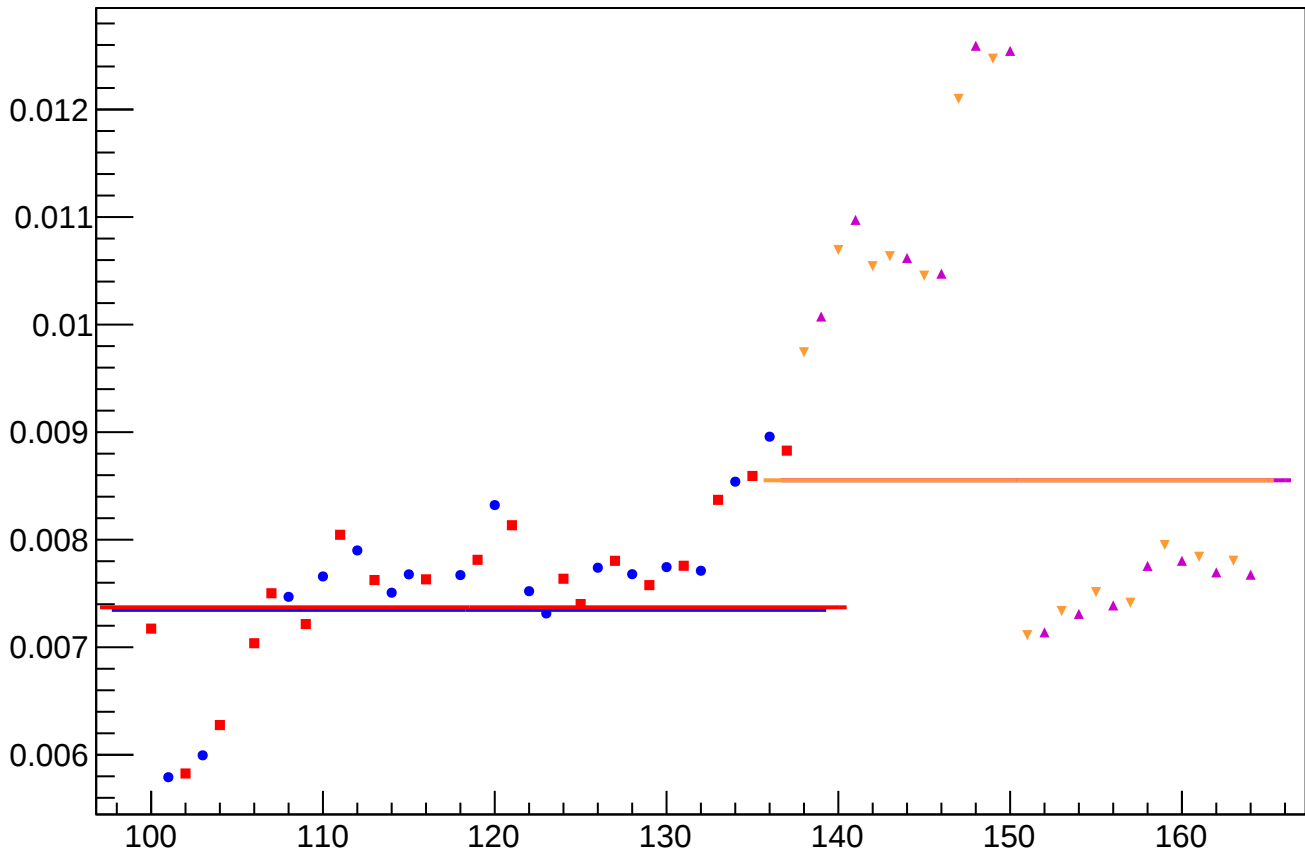
Left In: -0.793 $\pm$ 0.000 χ^2 /NDF: 39490627335.3/12

+ sign 0.317 $\pm$ 0.000 χ^2 /NDF: 323725101993.9/30

All: 0.302 $\pm$ 0.000 χ^2 /NDF: 687972712167.2

- sign 0.288 $\pm$ 0.000 χ^2 /NDF: 364141575153.5/31

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 228163.6/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 719839.1/13

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 172689.5/18

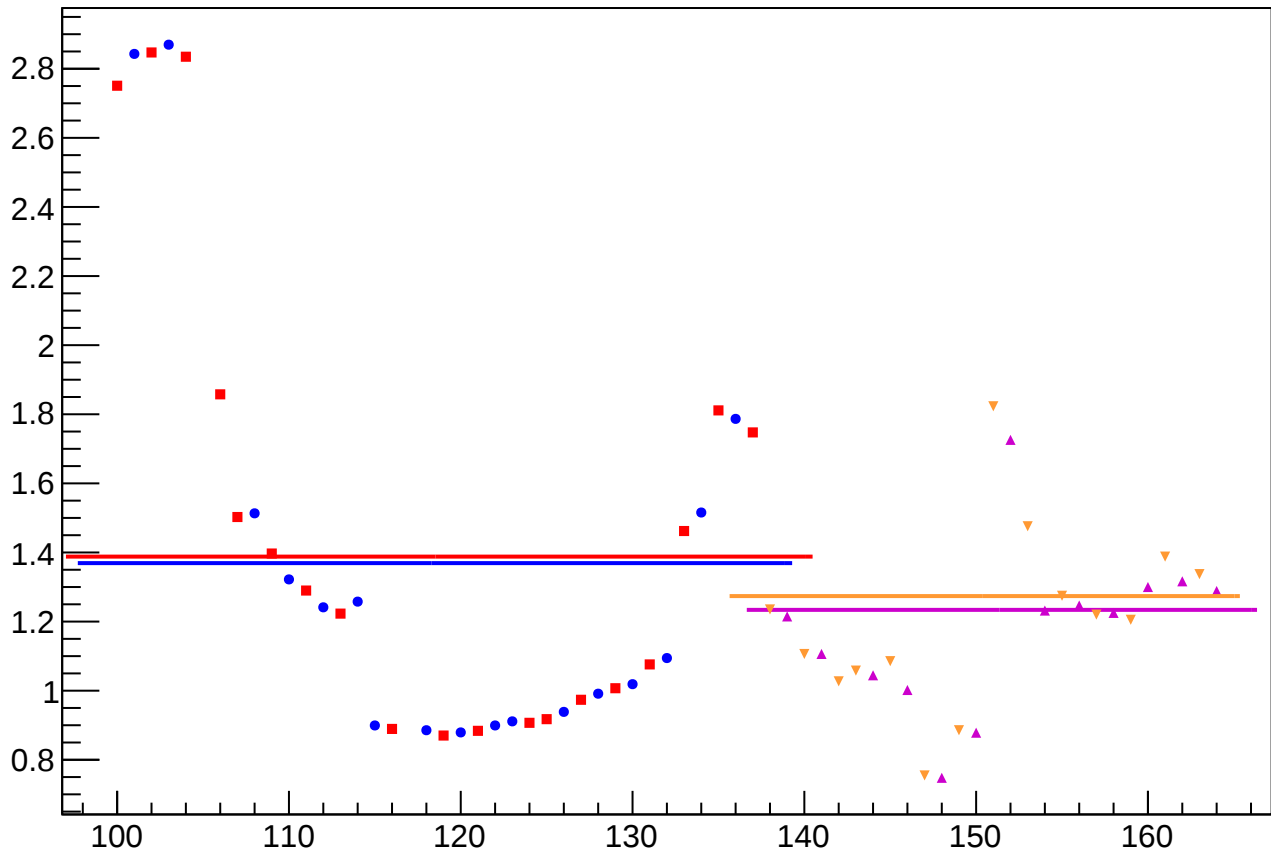
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 789945.1/12

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 1135751.6/30

All: 0.008 $\pm$ 0.000 χ^2/NDF : 2282482.0/62

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 1146693.4/31

yield_bpm1i04X_mean vs Slug



Right In: 1.369 ± 0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.274 ± 0.000 χ^2/NDF : 9008890462.5/13

Right Out: 1.388 ± 0.000 χ^2/NDF : 49900245868.0/18

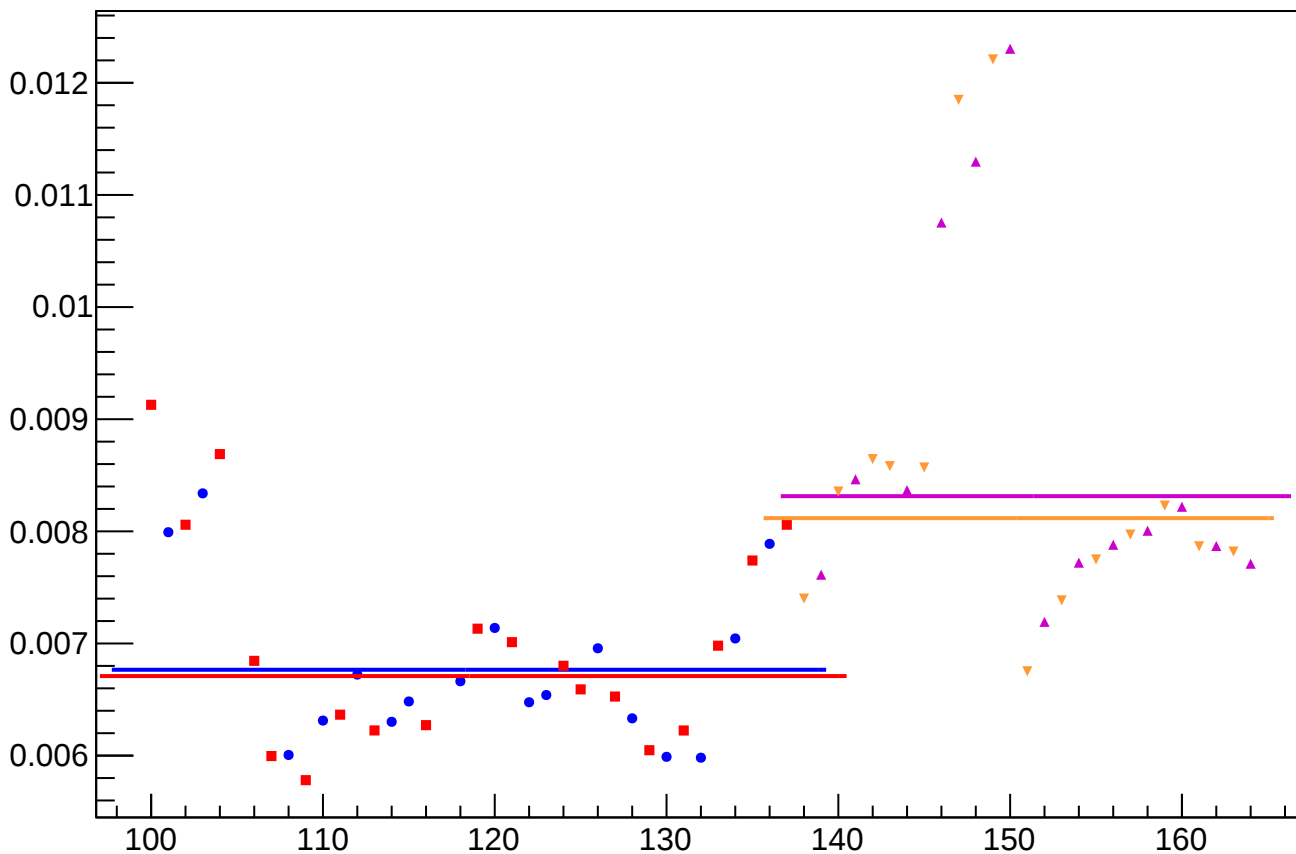
Left In: 1.234 ± 0.000 χ^2/NDF : 7036107028.5/12

+ sign 1.321 ± 0.000 χ^2/NDF : 63884782839.6/30

All: 1.318 ± 0.000 χ^2/NDF : 122587031185.7

- sign 1.315 ± 0.000 χ^2/NDF : 58696991276.9/31

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 : 409764.8/13

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

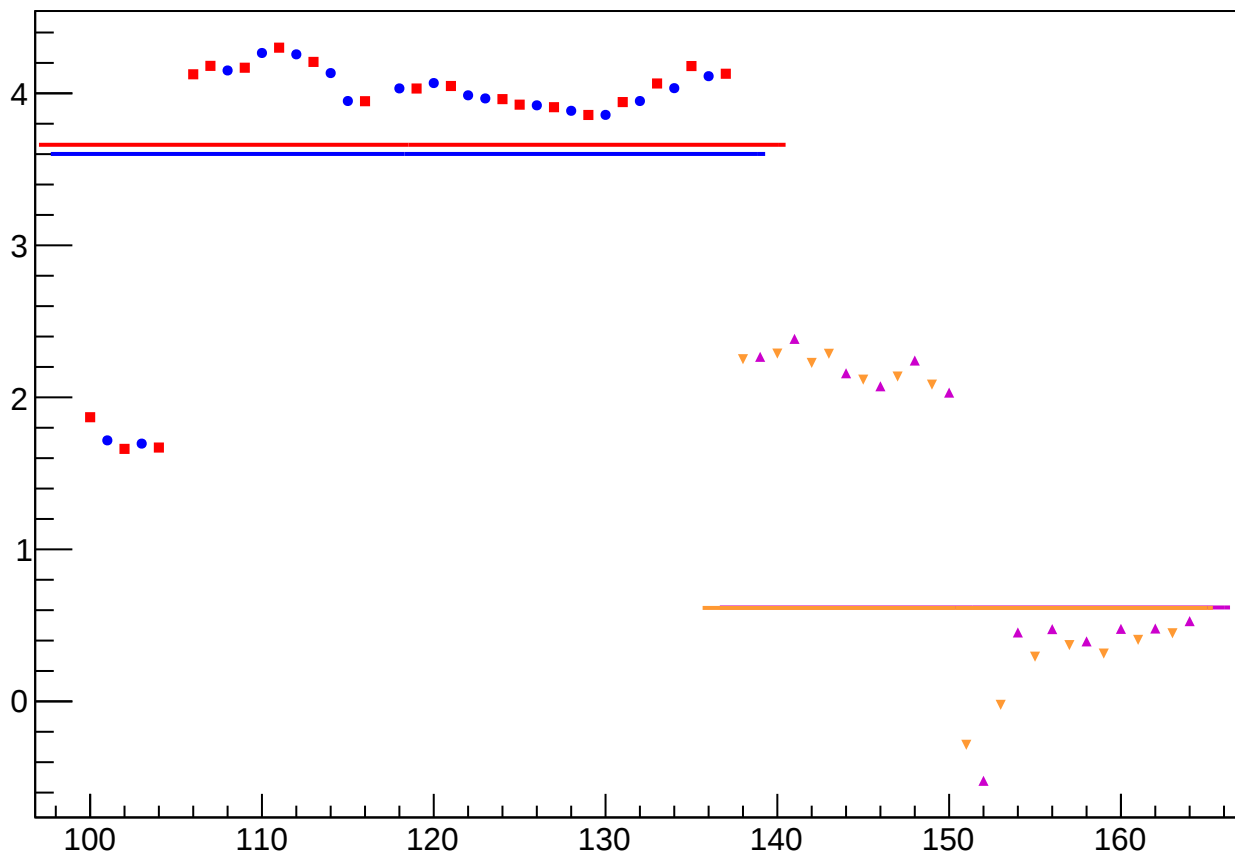
Left In: 0.008+/-0.000 χ^2/NDF : 427889.4/12

+ sign 0.007+/-0.000 χ^2/NDF : 838626.0/30

All: 0.007+/-0.000 χ^2/NDF : 1835934.3/62

- sign 0.007+/-0.000 χ^2/NDF : 997202.1/31

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.615+/-0.000 χ^2/NDF : 255784421076.3/13

Right Out: 3.661+/-0.000 χ^2/NDF : 192519897222.5/18

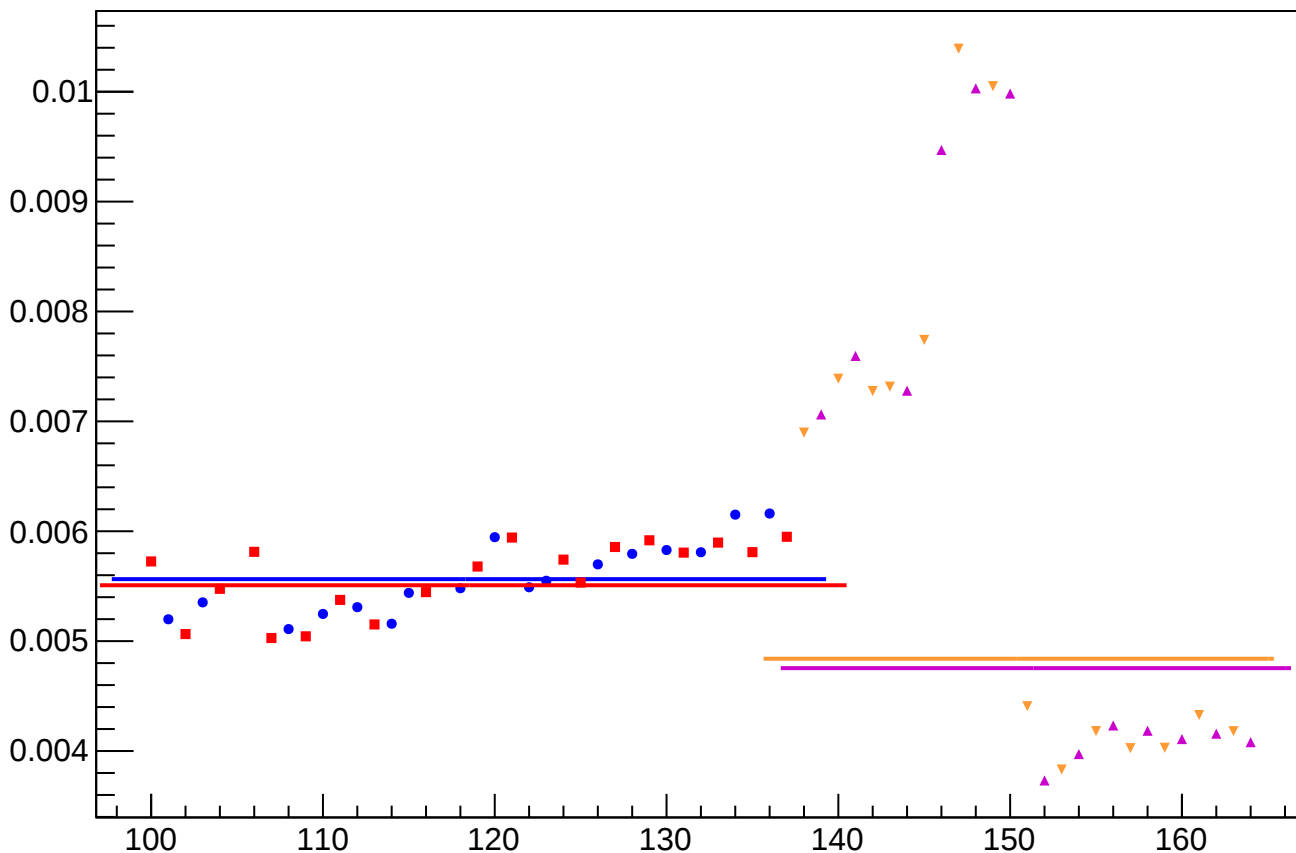
Left In: 0.618+/-0.000 χ^2/NDF : 252115657072.3/12

+ sign 1.689+/-0.000 χ^2/NDF : 1674847954833.5/30

All: 1.717+/-0.000 χ^2/NDF : 3458234619243.5/31

- sign 1.744+/-0.000 χ^2/NDF : 1782448792471.6/31

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 :1876904.4/13

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

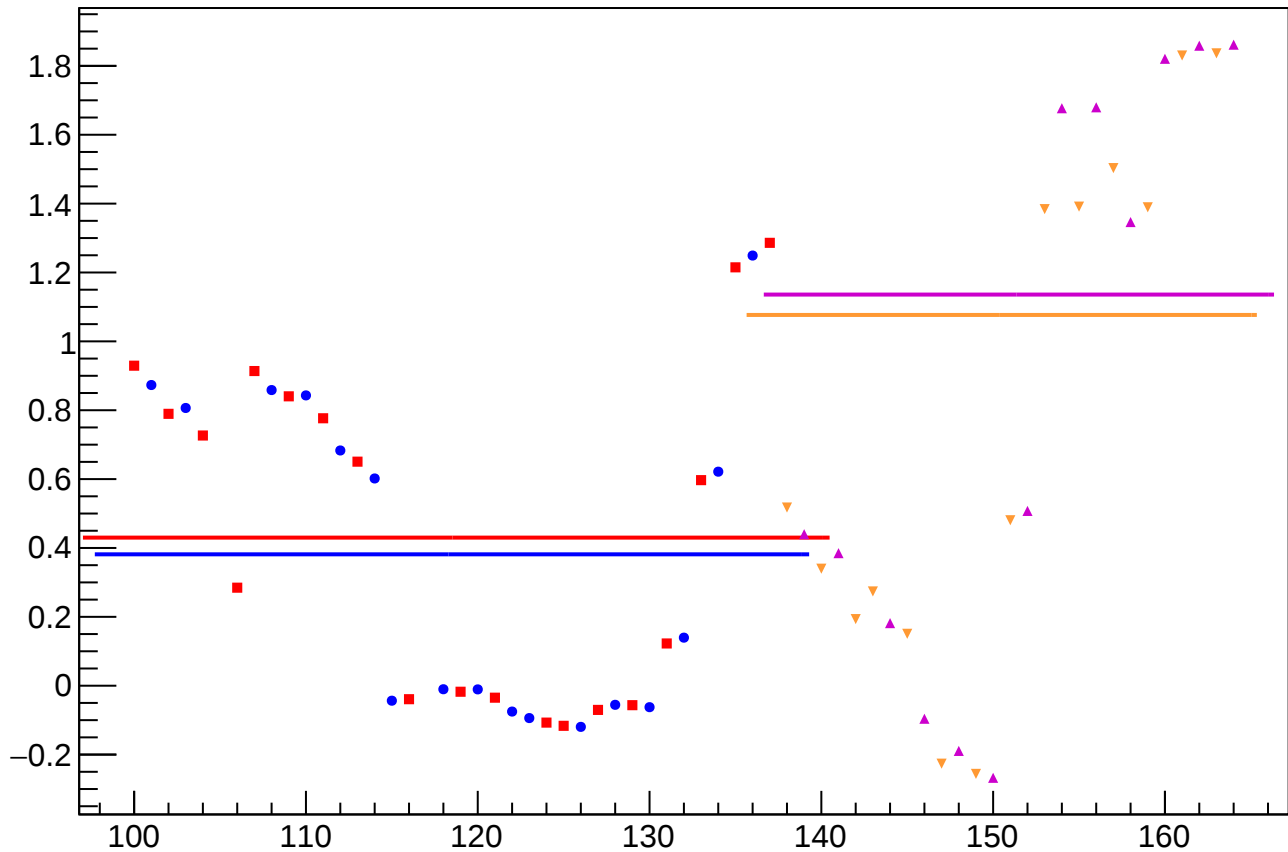
Left In: 0.005+/-0.000 χ^2/NDF :2092628.9/12

+ sign 0.005+/-0.000 χ^2/NDF : 2069573.2/30

All: 0.005+/-0.000 χ^2/NDF : 4381968.4/62

- sign 0.005+/-0.000 χ^2/NDF : 2309658.7/31

yield_bpm1i06X_mean vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 1.077 $\pm$ 0.000 χ^2 /NDF:31881939979.2/13

Right Out: 0.430 $\pm$ 0.000 χ^2 /NDF: 6676199135.9/18

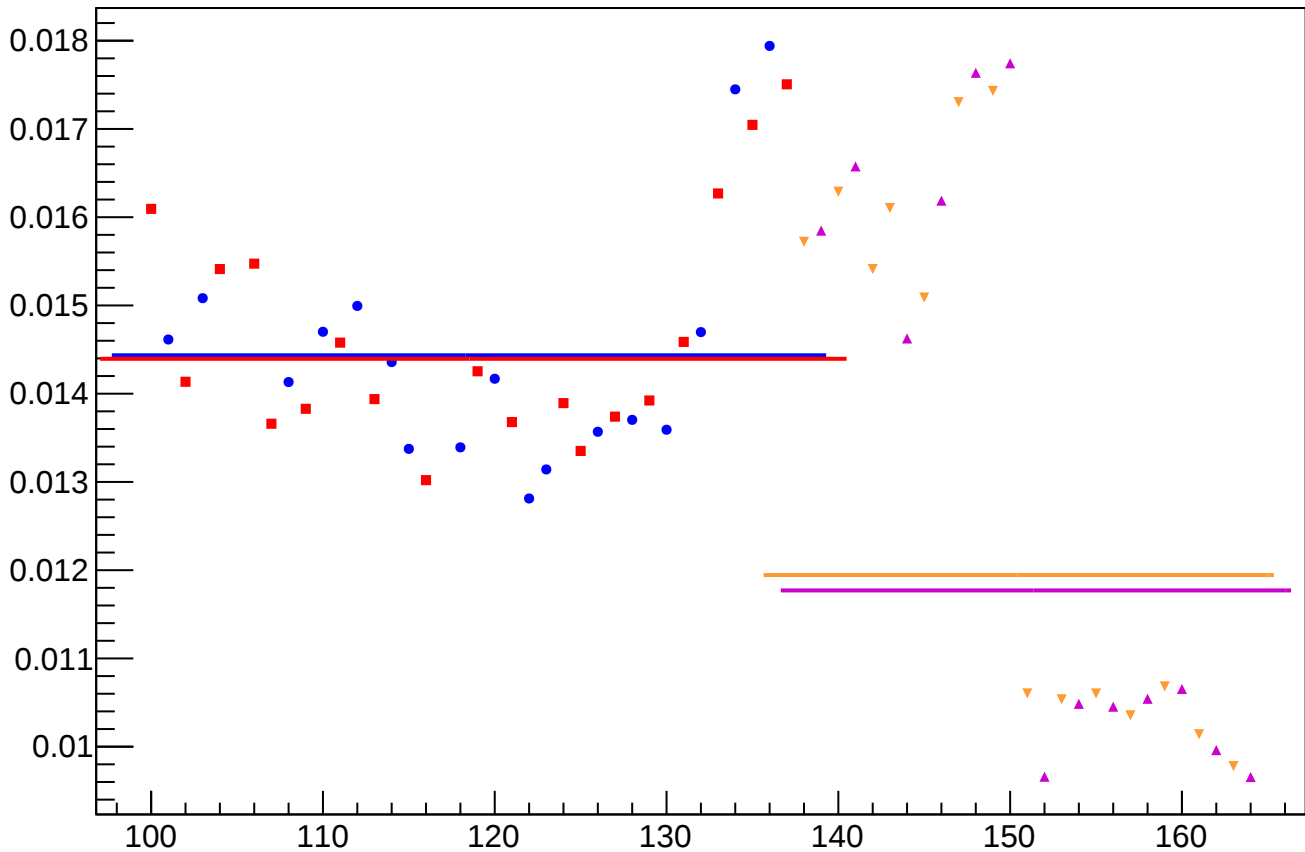
Left In: 1.136 $\pm$ 0.000 χ^2 /NDF:39699304489.2/12

+ sign 0.858 $\pm$ 0.000 χ^2 /NDF: 49528394152.5/30

All: 0.882 $\pm$ 0.000 χ^2 /NDF: 107297604882.8

- sign 0.907 $\pm$ 0.000 χ^2 /NDF: 57646762376.3/31

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: 953964.1/13

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 74531.6/18

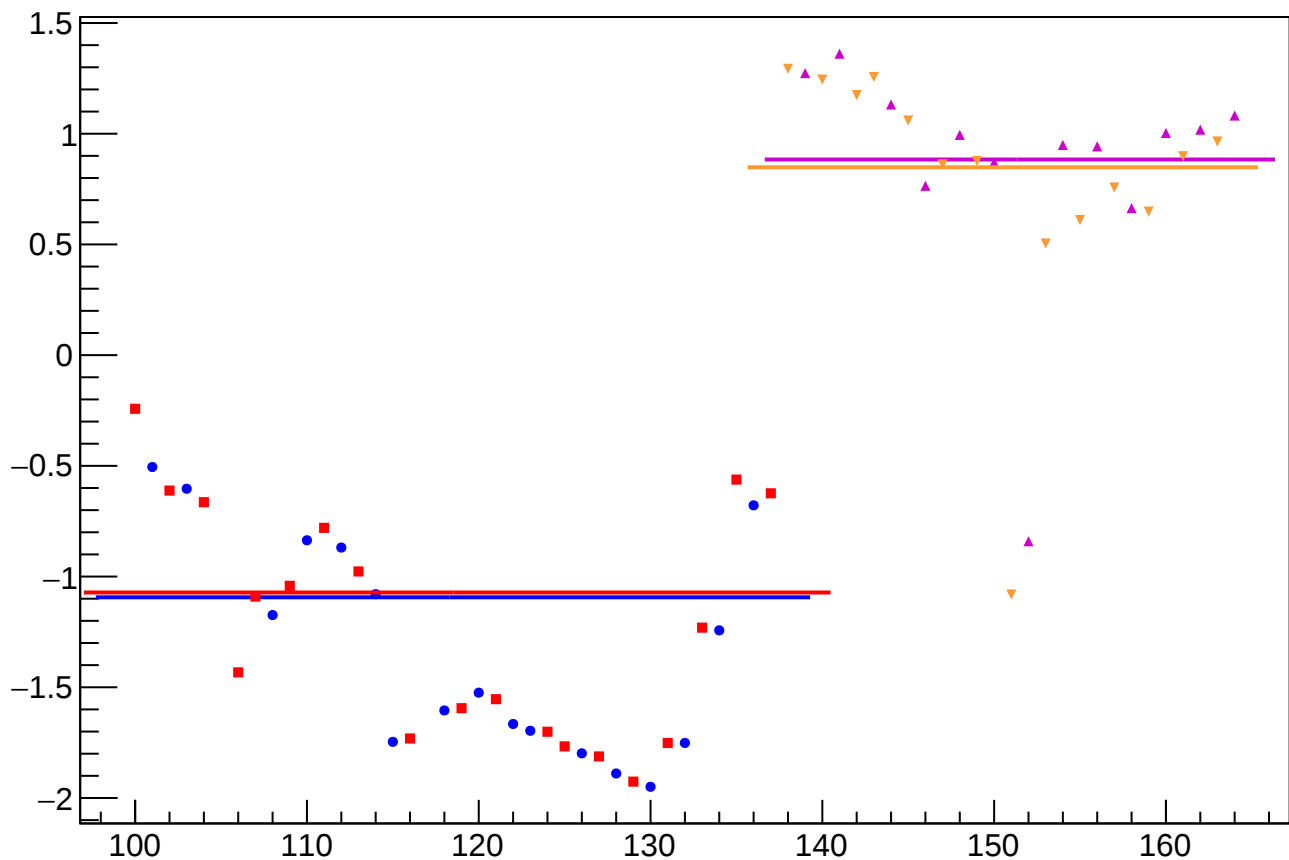
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1055638.2/12

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1334199.3/30

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 2777367.2/62

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1442012.3/31

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.848+/-0.000 χ^2/NDF : 124052862472.3/13

Right Out: -1.072+/-0.000 χ^2/NDF : 46896017480.0/18

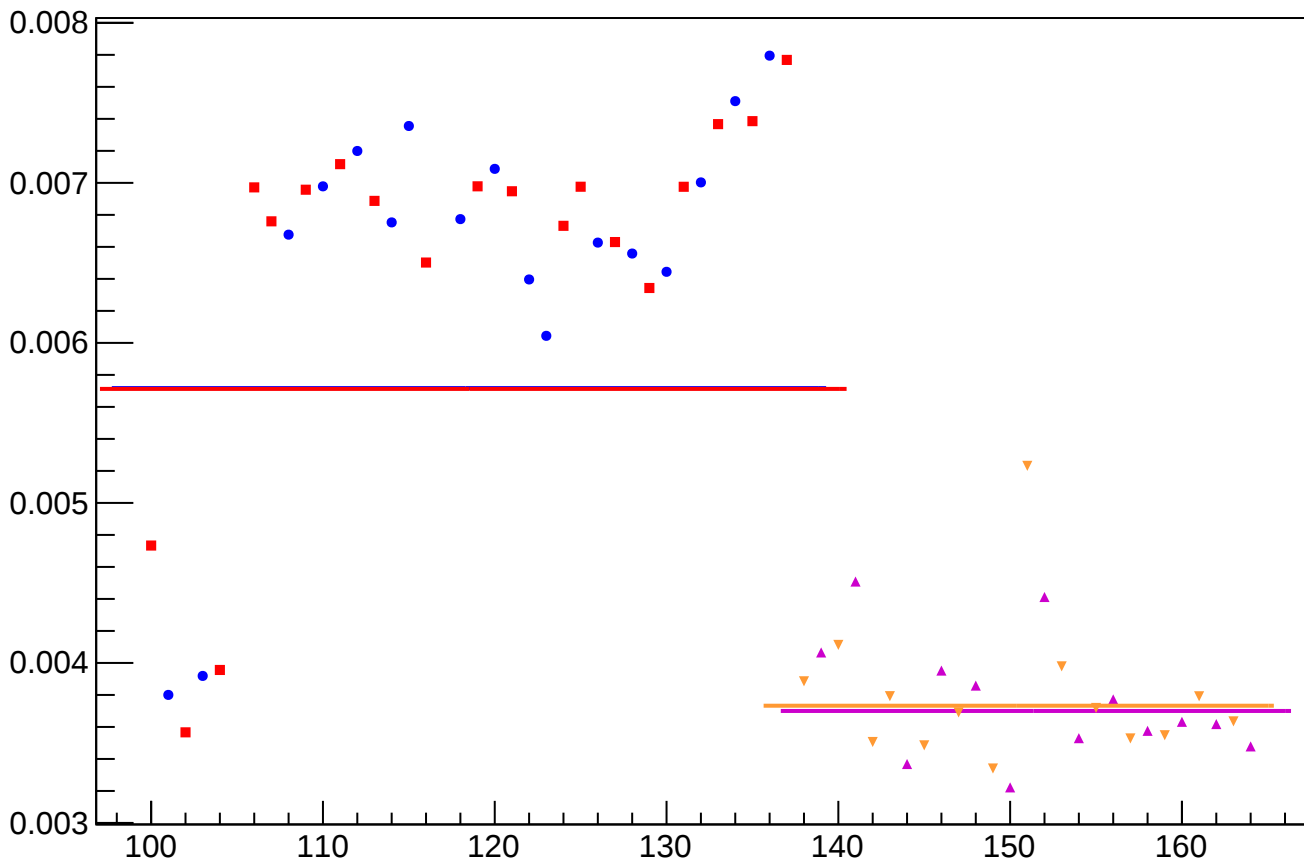
Left In: 0.884+/-0.000 χ^2/NDF : 145610756824.5/12

+ sign 0.434+/-0.000 χ^2/NDF : 719093162568.7/30

All: 0.445+/-0.000 χ^2/NDF : 1475658712773.

- sign 0.455+/-0.000 χ^2/NDF : 756383756424.3/31

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:159517.6/13

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 923899.1/18

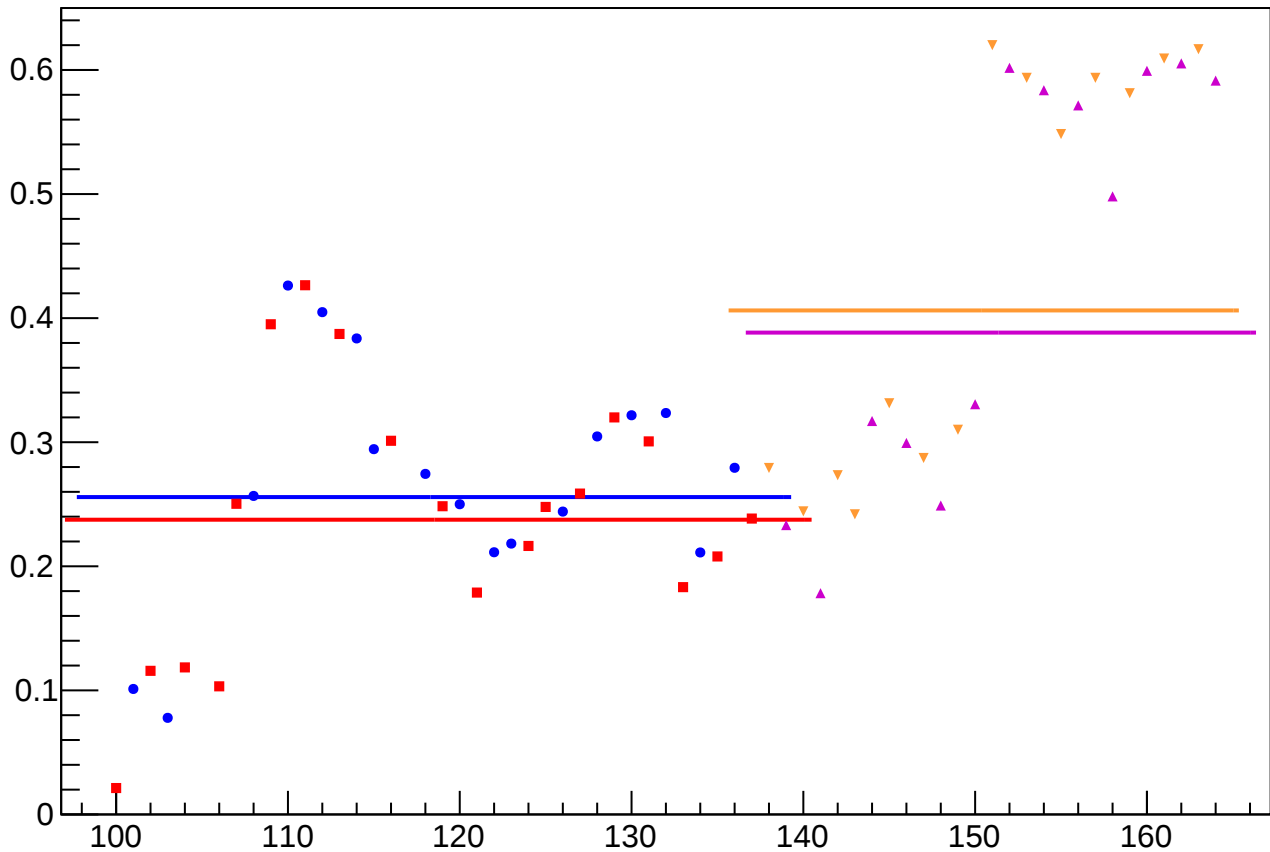
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:168858.5/12

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2123442.1/30

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4411065.9/62

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2287435.0/31

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.406+/-0.000 χ^2/NDF : 71317641697.6/13

Right Out: 0.238+/-0.000 χ^2/NDF : 26057284646.9/18

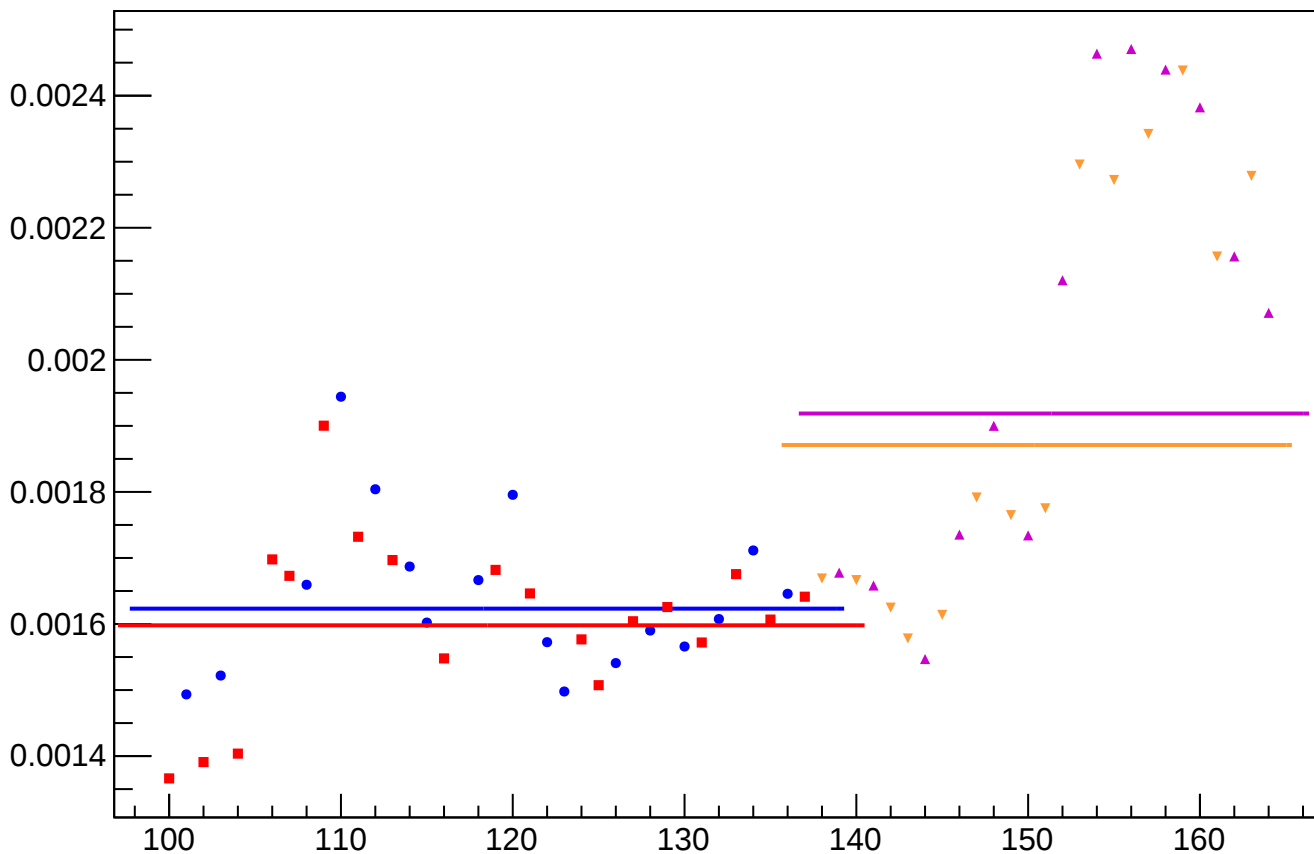
Left In: 0.388+/-0.000 χ^2/NDF : 66766521798.4/12

+ sign 0.337+/-0.000 χ^2/NDF : 122691805238.3/30

All: 0.325+/-0.000 χ^2/NDF : 247858086718.6

- sign 0.312+/-0.000 χ^2/NDF : 123458751087.7/31

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 : 490189.3/13

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

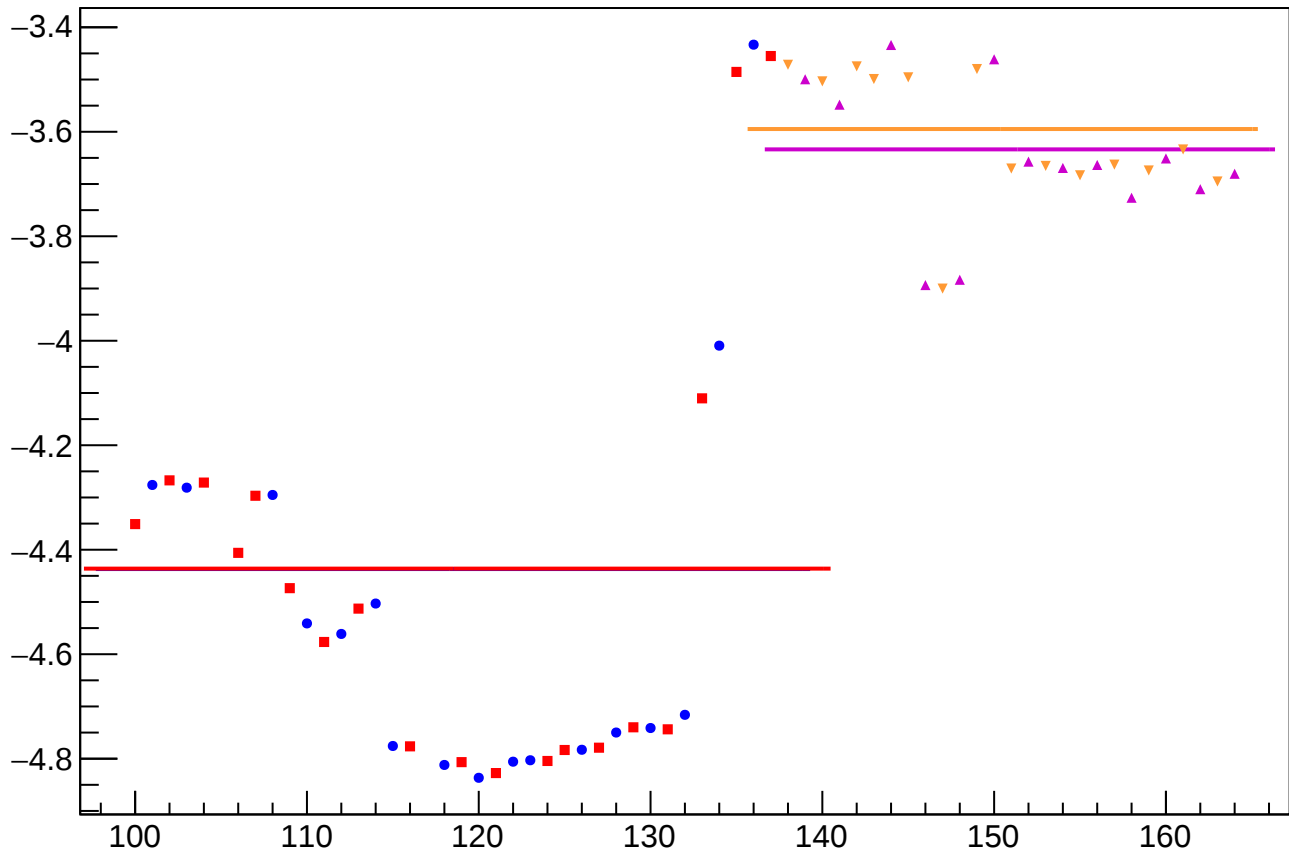
Left In: 0.002+/-0.000 χ^2/NDF : 535060.3/12

+ sign 0.002+/-0.000 χ^2/NDF : 705466.5/30

All: 0.002+/-0.000 χ^2/NDF : 1608325.6/62

- sign 0.002+/-0.000 χ^2/NDF : 902853.9/31

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.595+/-0.000 χ^2/NDF : 31200359552.2/13

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

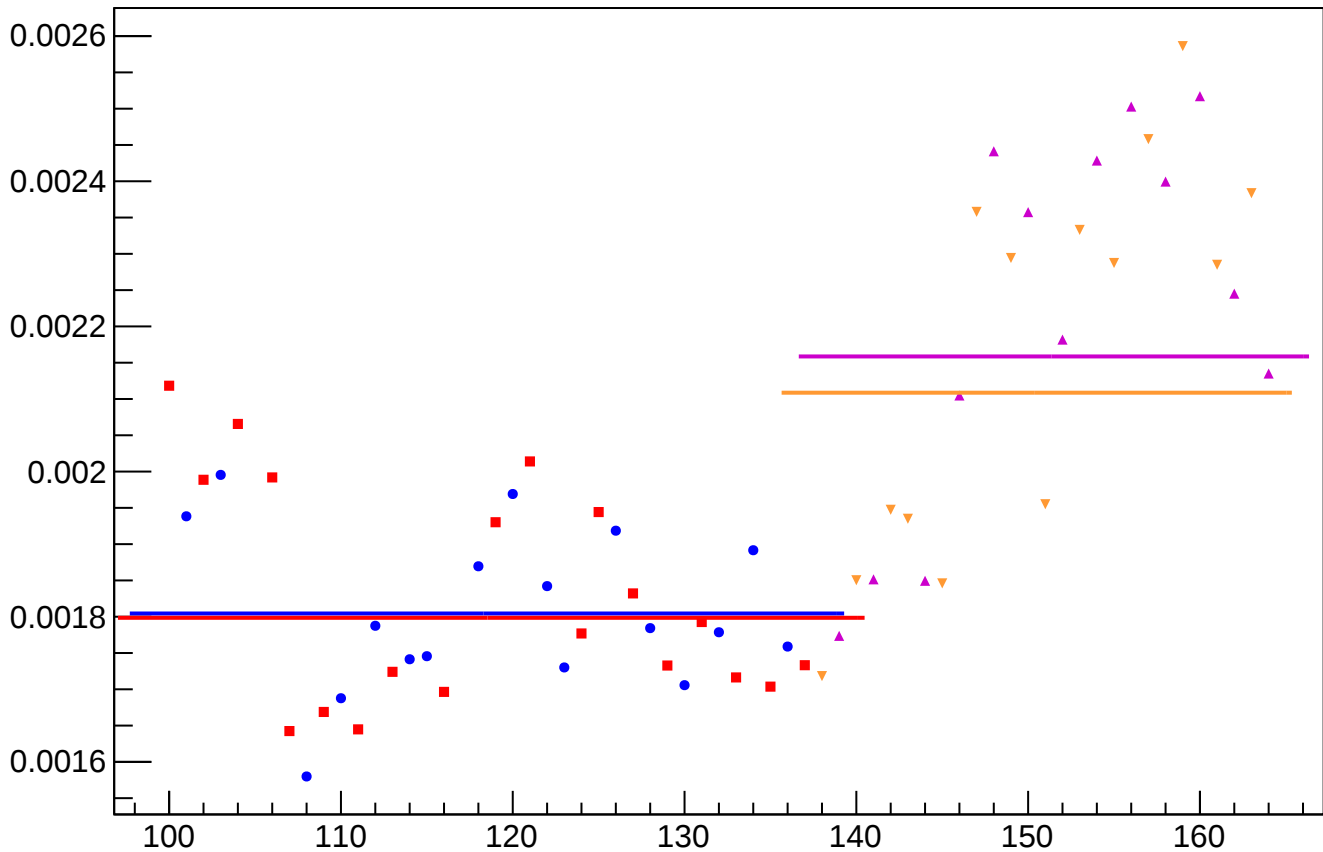
Left In: -3.634+/-0.000 χ^2/NDF : 42698701904.6/12

+ sign -3.989+/-0.000 χ^2/NDF : 1177251008518.5/3

All: -4.012+/-0.000 χ^2/NDF : 2234608309212

- sign -4.034+/-0.000 χ^2/NDF : 1053090336499.8/3

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 49103.2/16

Left Out: 0.002+/-0.000 χ^2/NDF : 323377.1/13

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

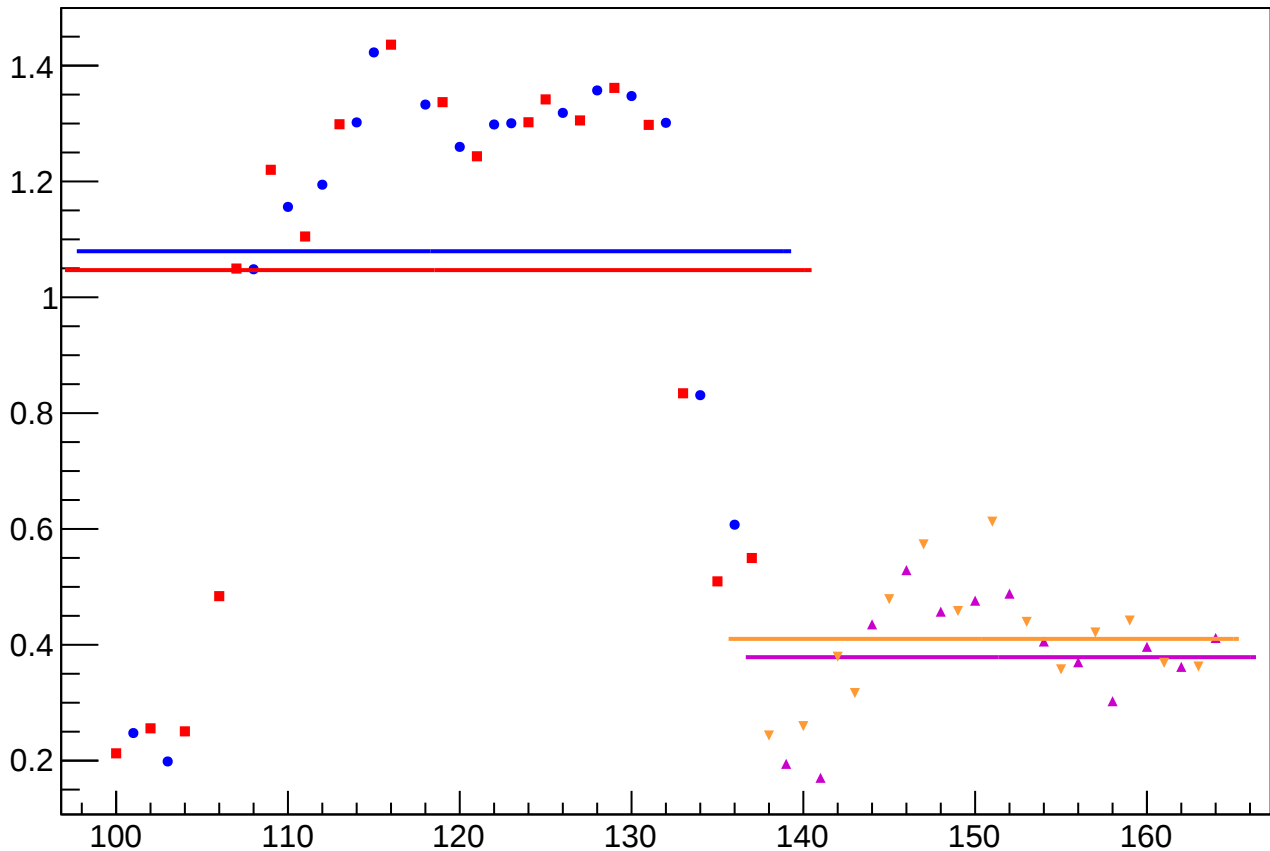
Left In: 0.002+/-0.000 χ^2/NDF : 289590.1/12

+ sign 0.002+/-0.000 χ^2/NDF : 569059.2/30

All: 0.002+/-0.000 χ^2/NDF : 1216305.6/62

- sign 0.002+/-0.000 χ^2/NDF : 646546.9/31

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.410 $\pm$ 0.000 χ^2 /NDF: 1214909119.7/13

+ sign 0.757 $\pm$ 0.000 χ^2 /NDF: 45142632594.1/30

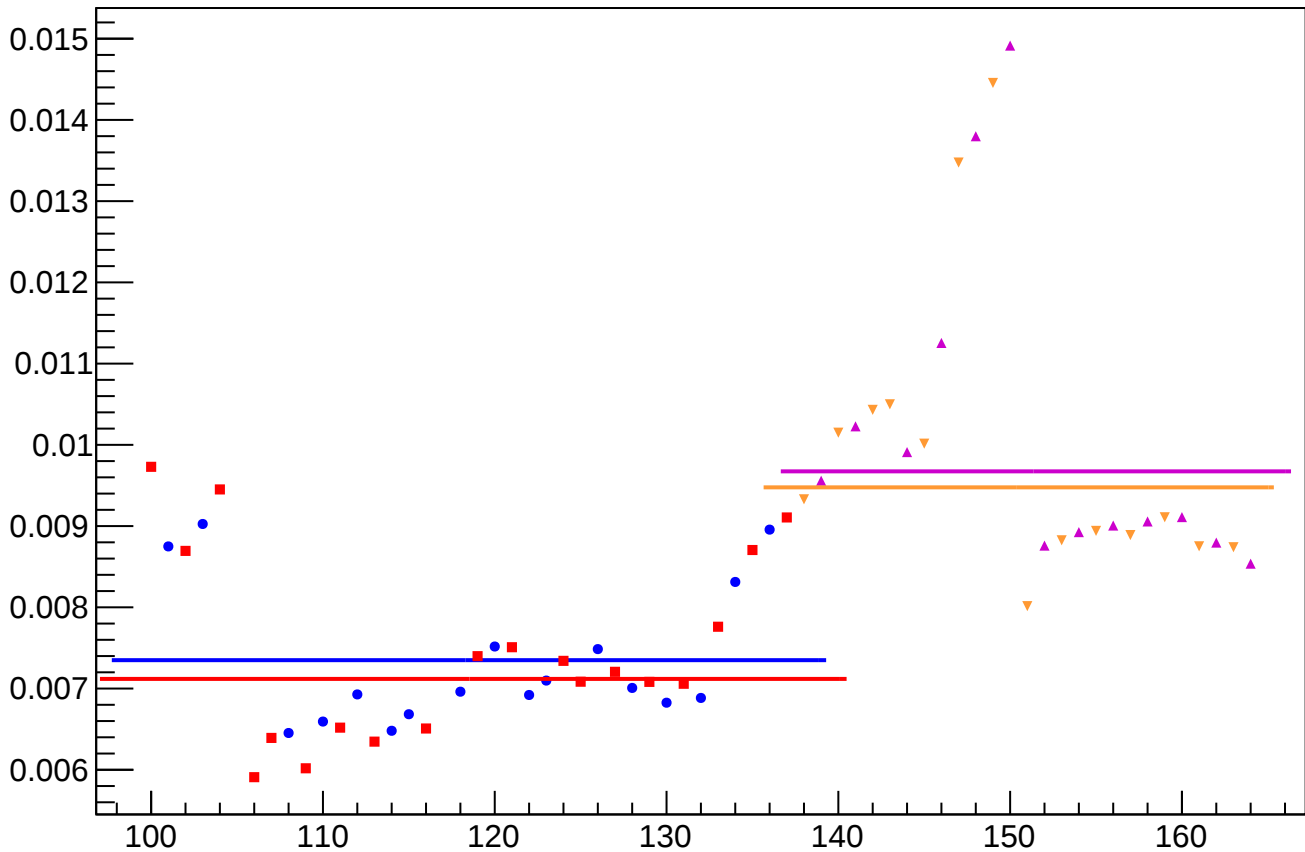
Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

All: 0.756 $\pm$ 0.000 χ^2 /NDF: 92732753758.4/6

Left In: 0.379 $\pm$ 0.000 χ^2 /NDF: 1044694690.3/12

- sign 0.755 $\pm$ 0.000 χ^2 /NDF: 47589571424.2/31

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 455823.3/13

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

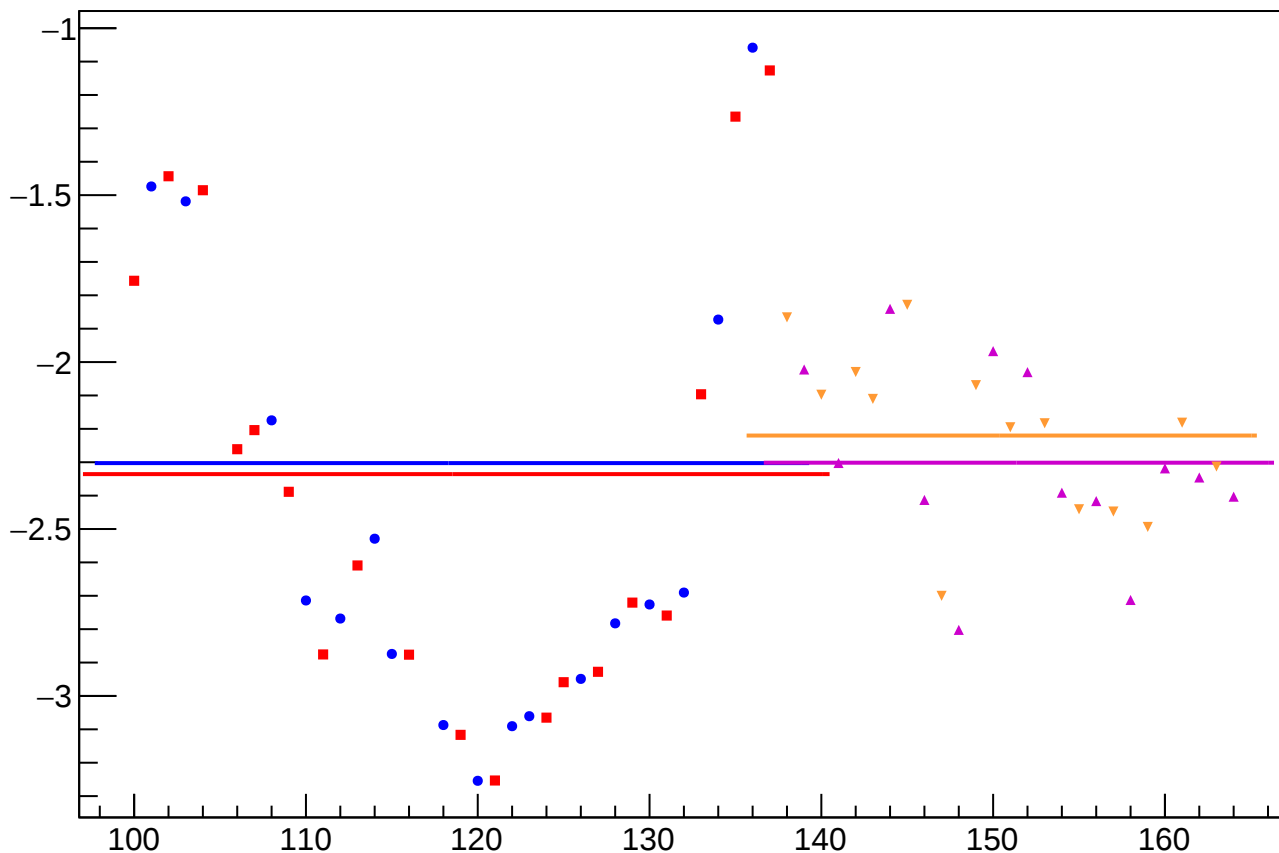
Left In: 0.010+/-0.000 χ^2/NDF : 481349.8/12

+ sign 0.008+/-0.000 χ^2/NDF : 1169994.9/30

All: 0.008+/-0.000 χ^2/NDF : 2700379.7/62

- sign 0.008+/-0.000 χ^2/NDF : 1525732.1/31

yield_bpm2i02Y_mean vs Slug



Right In: -2.303 ± 0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.220 ± 0.000 χ^2/NDF : 6943623835.8/13

Right Out: -2.336 ± 0.000 χ^2/NDF : 64499162456.4/18

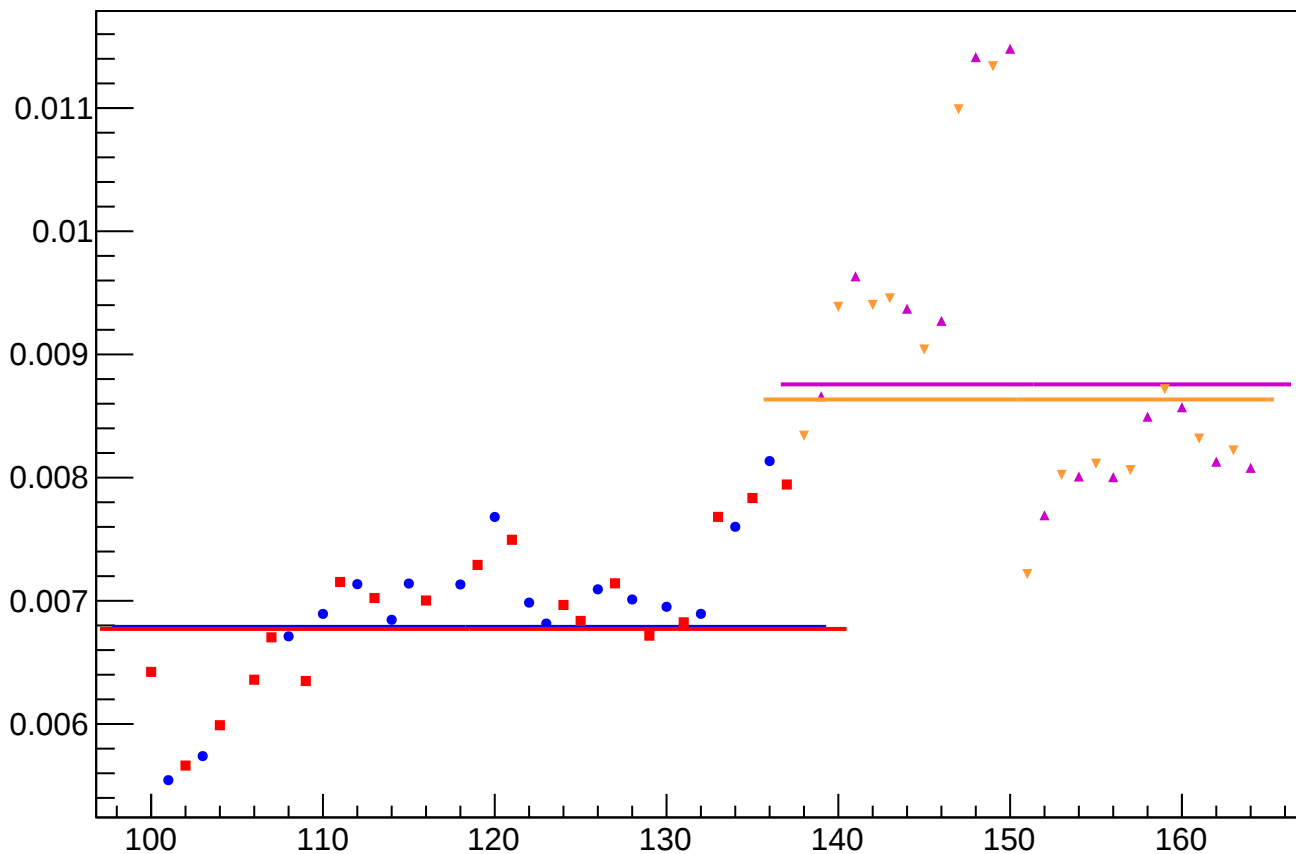
Left In: -2.301 ± 0.000 χ^2/NDF : 8508427985.3/12

+ sign -2.262 ± 0.000 χ^2/NDF : 81180388093.3/30

All: -2.291 ± 0.000 χ^2/NDF : 154743405327.1

- sign -2.320 ± 0.000 χ^2/NDF : 73090582095.1/31

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 : 284757.7/13

Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

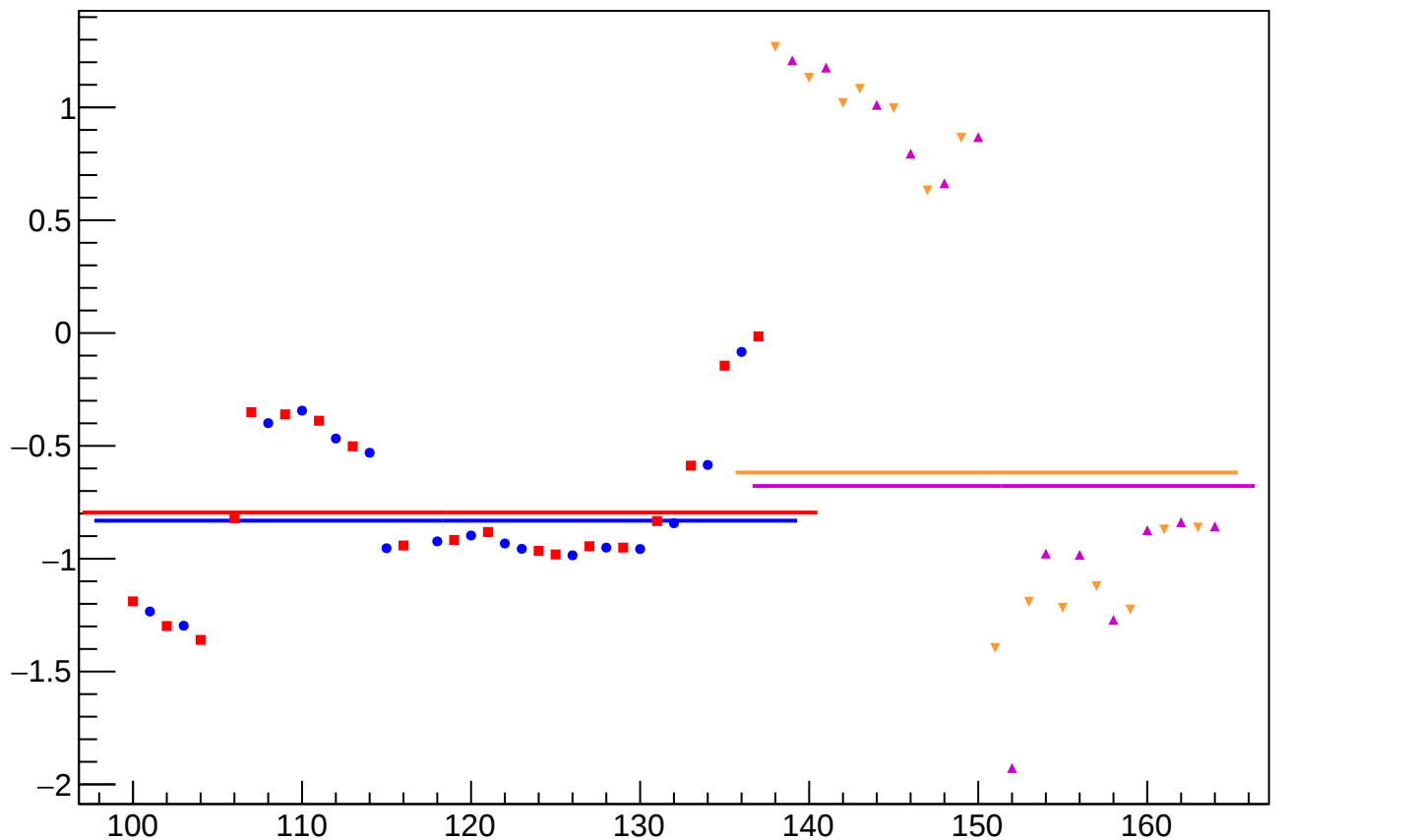
Left In: 0.009+/-0.000 χ^2/NDF : 290217.8/12

+ sign 0.008+/-0.000 χ^2/NDF : 931155.6/30

All: 0.008+/-0.000 χ^2/NDF : 1904745.8/62

- sign 0.008+/-0.000 χ^2/NDF : 973584.5/31

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.618 ± 0.000 χ^2/NDF : 110008860458.7/13

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

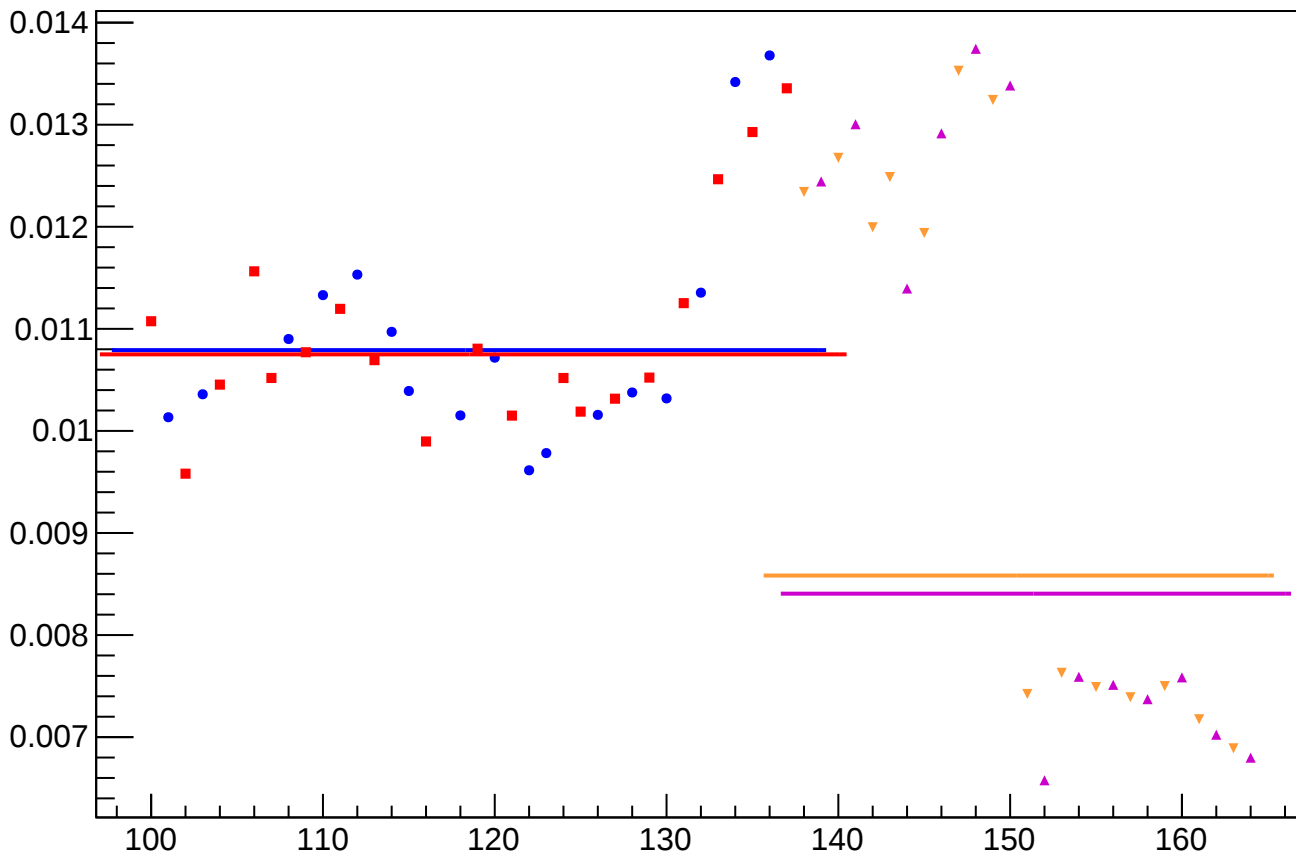
Left In: -0.678 ± 0.000 χ^2/NDF : 118019779844.7/12

+ sign -0.683 ± 0.000 χ^2/NDF : 118494543713.0/30

All: -0.699 ± 0.000 χ^2/NDF : 245001787472.3

- sign -0.714 ± 0.000 χ^2/NDF : 126411487824.4/31

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:1323758.1/13

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 90220.8/18

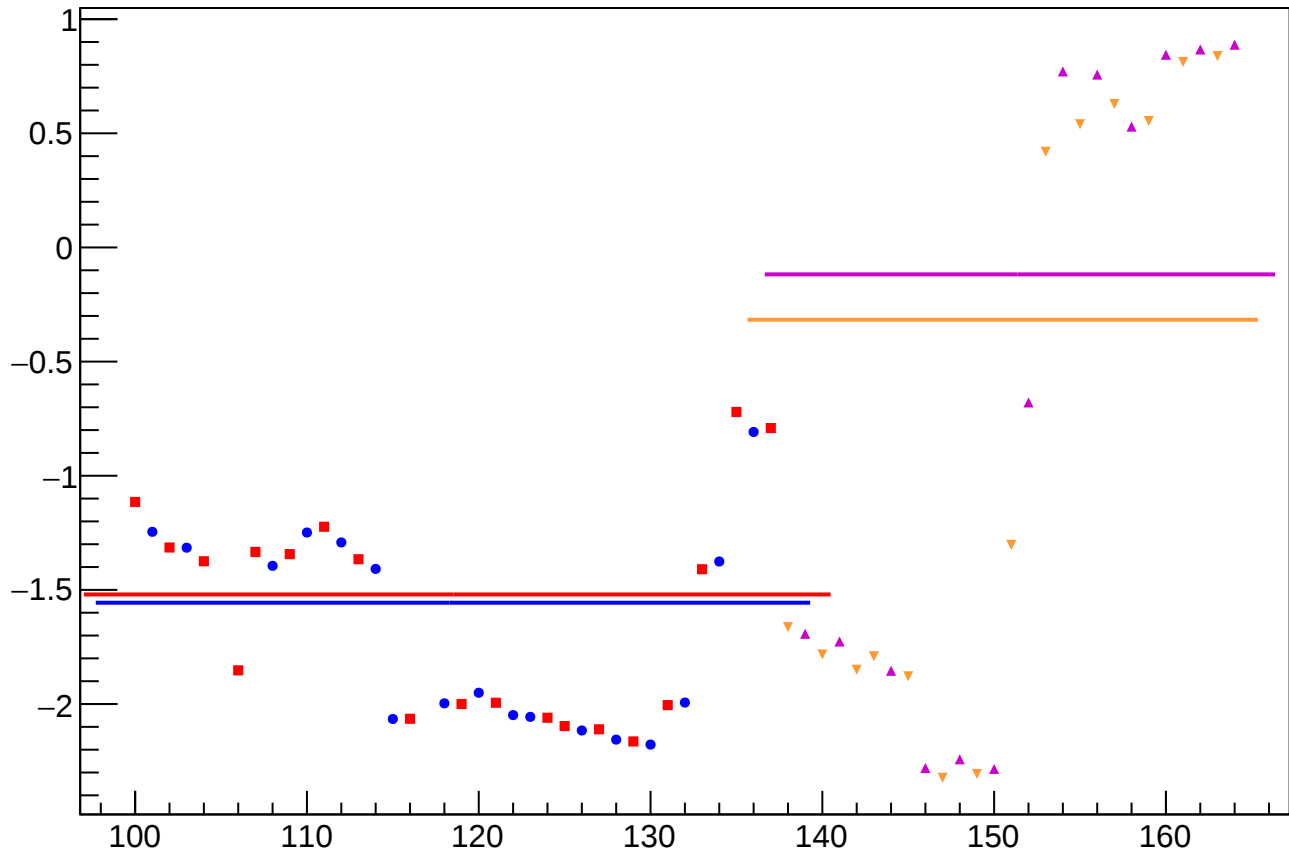
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1462982.8/12

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1833468.3/30

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 3841453.5/62

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2005389.9/31

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -0.317+/-0.000 χ^2/NDF : 1765845814870.0/13

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

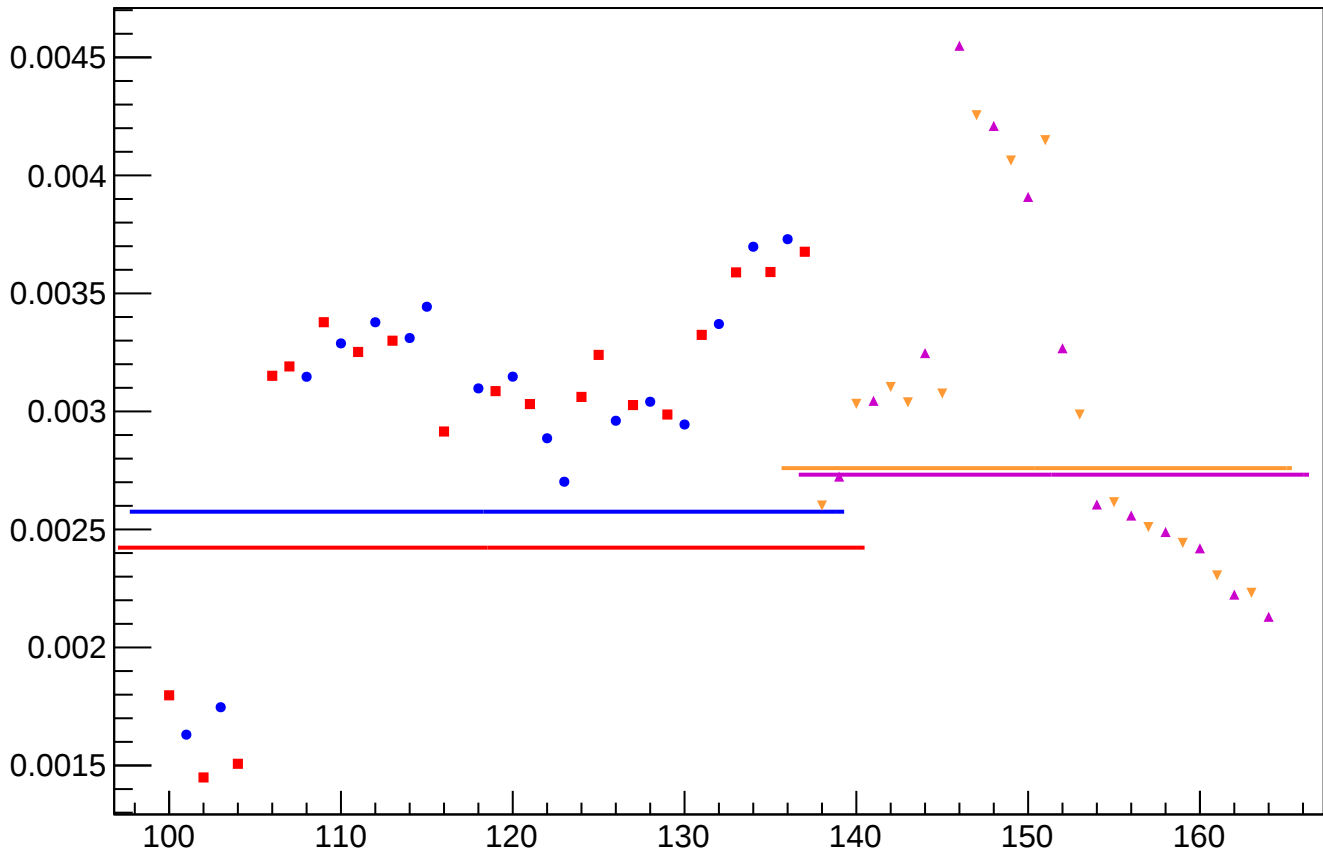
Left In: -0.118+/-0.000 χ^2/NDF : 1788307578107.4/12

+ sign -0.837+/-0.000 χ^2/NDF : 2681808011951.5/3

All: -0.793+/-0.000 χ^2/NDF : 5658551628439

- sign -0.750+/-0.000 χ^2/NDF : 2968954211622.8/3

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF : 642524.3/13

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

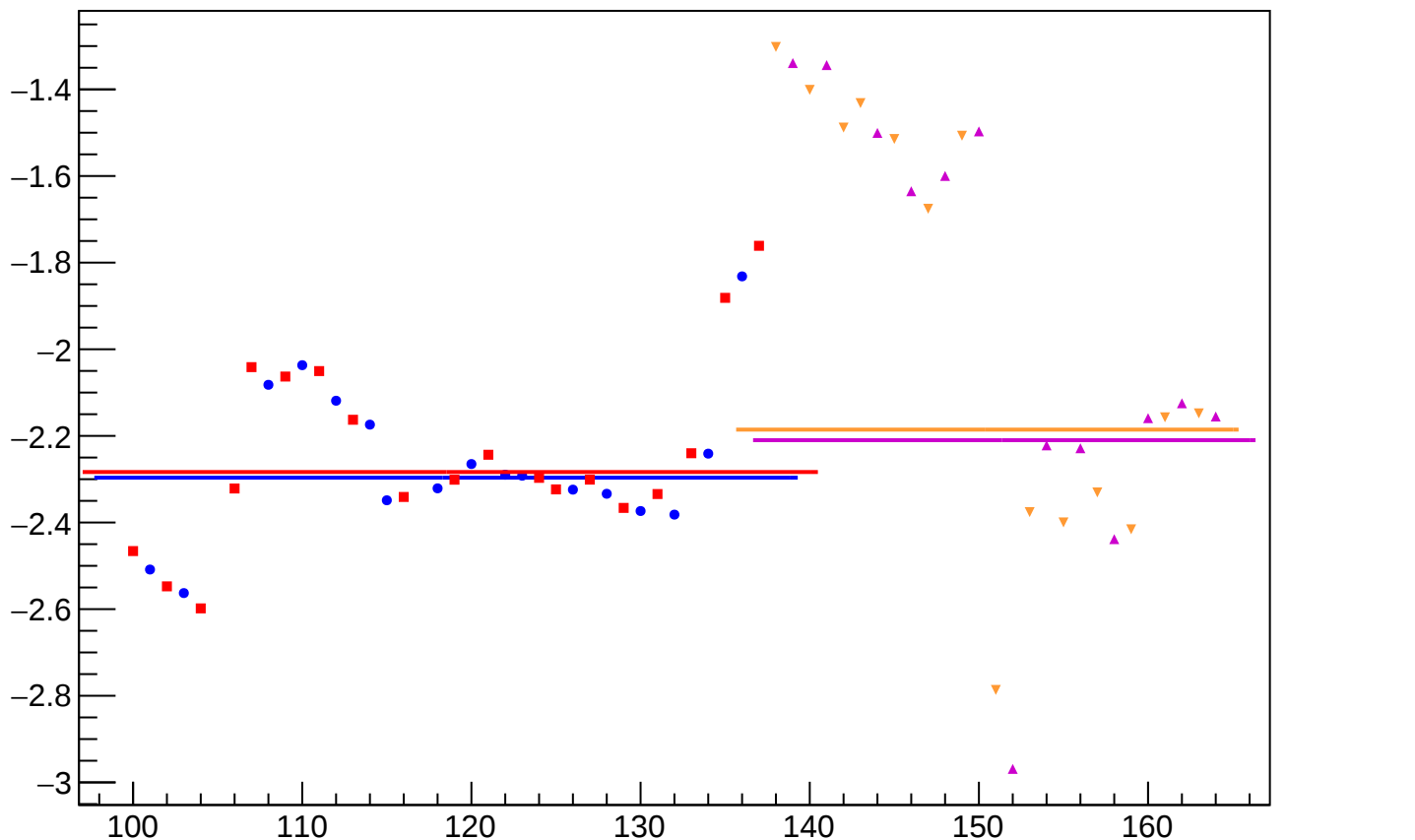
Left In: 0.003+/-0.000 χ^2/NDF : 756123.3/12

+ sign 0.003+/-0.000 χ^2/NDF : 1690108.2/30

All: 0.003+/-0.000 χ^2/NDF : 4054479.0/62

- sign 0.003+/-0.000 χ^2/NDF : 2347588.8/31

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.186+/-0.000 χ^2/NDF : 51015979682.1/13

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

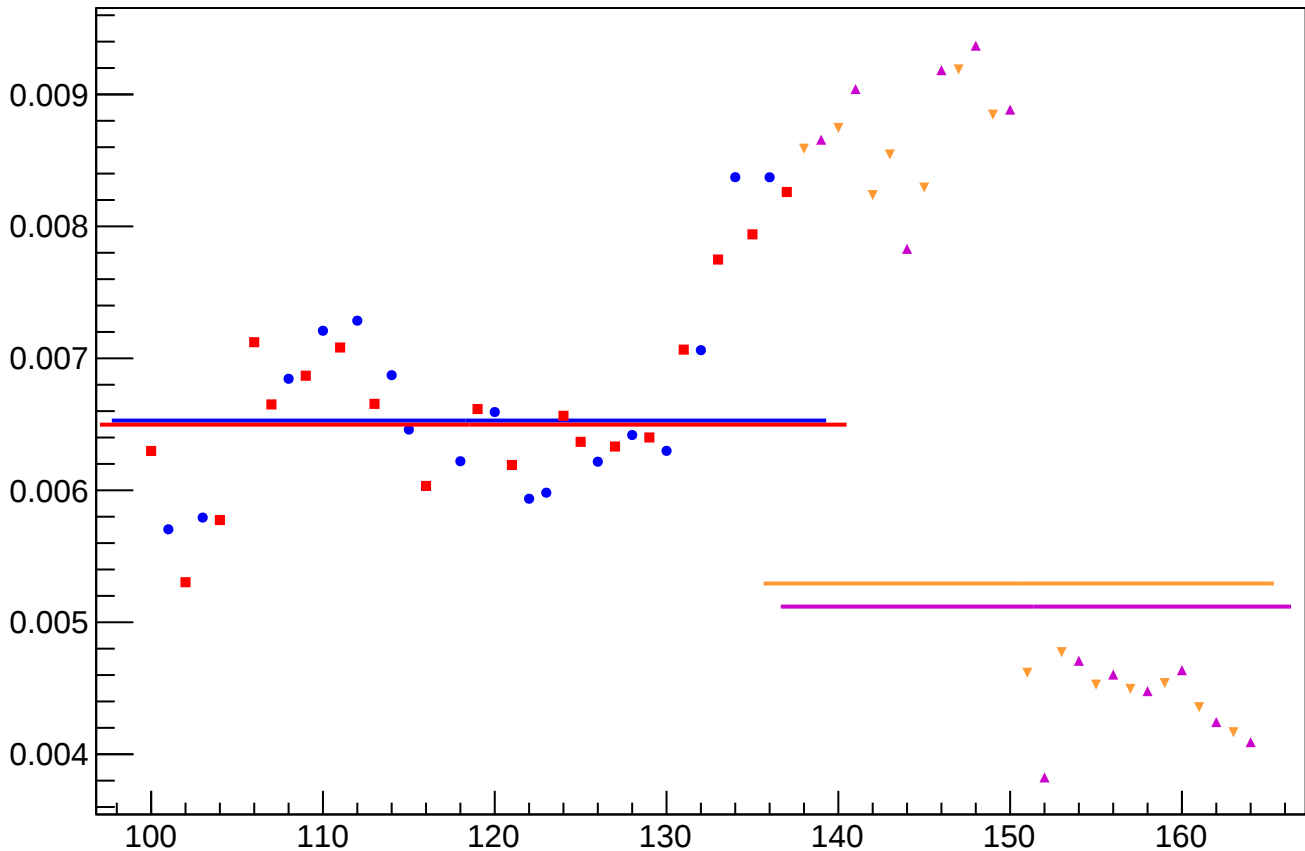
Left In: -2.210+/-0.000 χ^2/NDF : 66240668365.7/12

+ sign -2.221+/-0.000 χ^2/NDF : 58075541937.1/30

All: -2.227+/-0.000 χ^2/NDF : 131495465284.1

- sign -2.234+/-0.000 χ^2/NDF : 73379225613.5/31

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 : 1807270.2/13

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

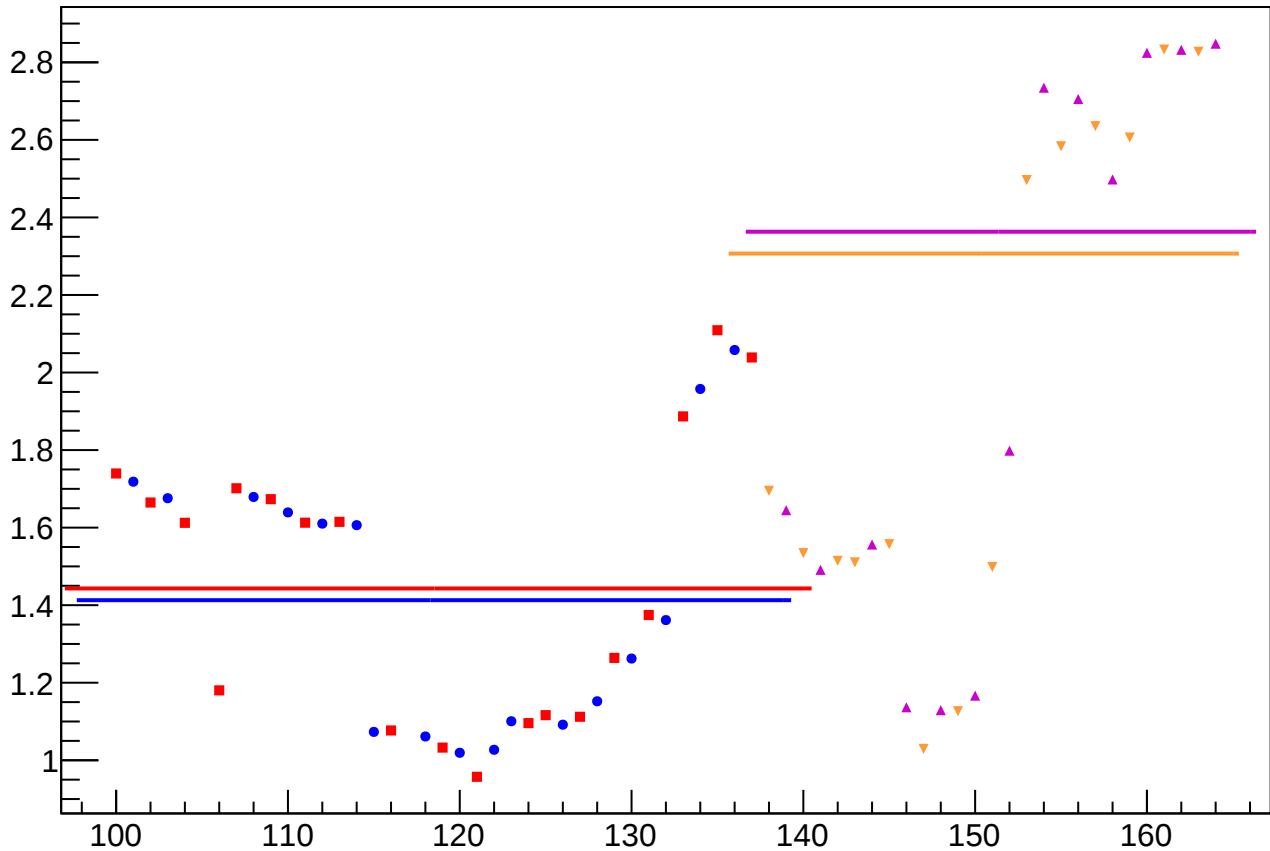
Left In: 0.005+/-0.000 χ^2/NDF : 2021843.6/12

+ sign 0.006+/-0.000 χ^2/NDF : 2299976.9/30

All: 0.006+/-0.000 χ^2/NDF : 4908392.7/62

- sign 0.006+/-0.000 χ^2/NDF : 2600972.3/31

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.307+/-0.000 χ^2/NDF : 196511838597.6/13

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

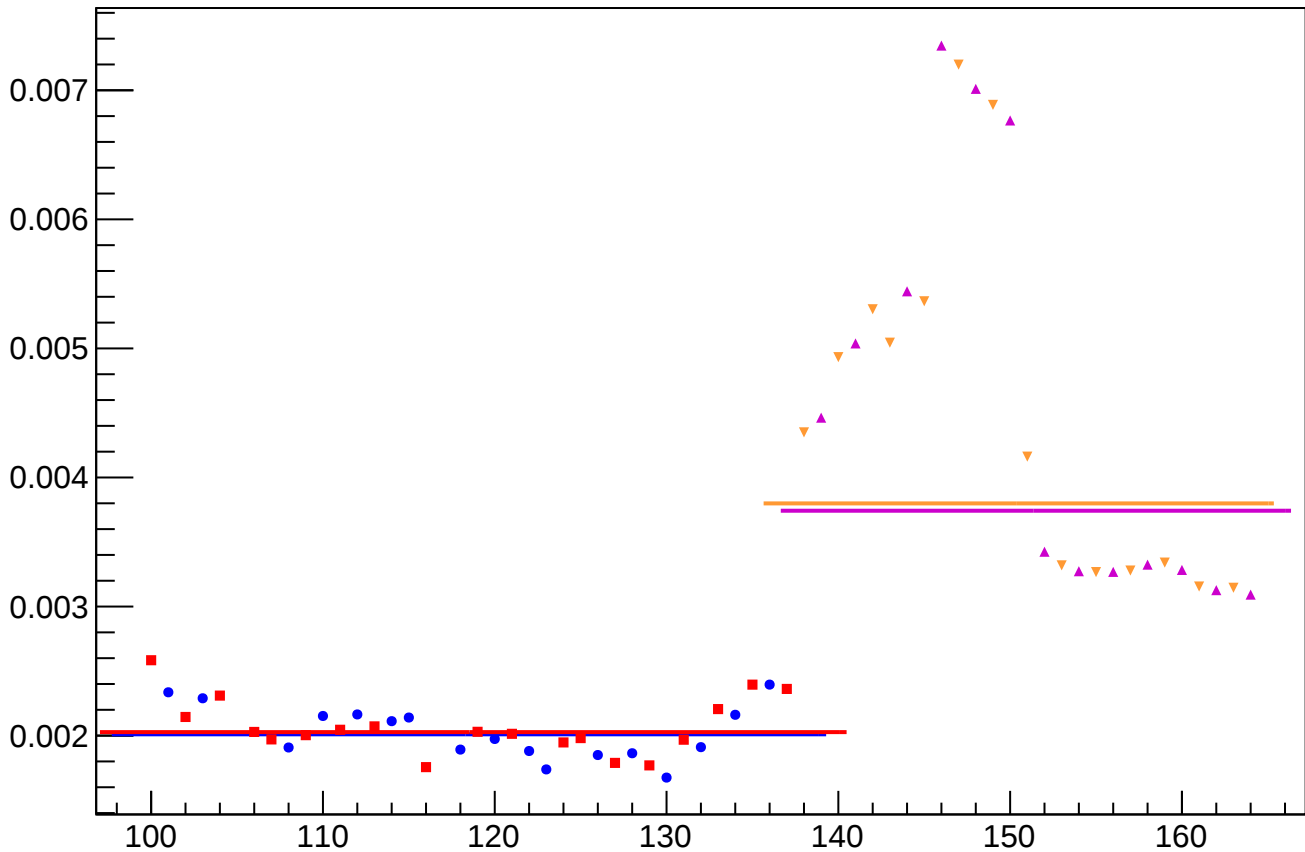
Left In: 2.363+/-0.000 χ^2/NDF : 206617640417.5/12

+ sign 1.674+/-0.000 χ^2/NDF : 725752967183.7/30

All: 1.690+/-0.000 χ^2/NDF : 1487949080485.

- sign 1.706+/-0.000 χ^2/NDF : 761115498278.3/31

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 : 1161796.6/13

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

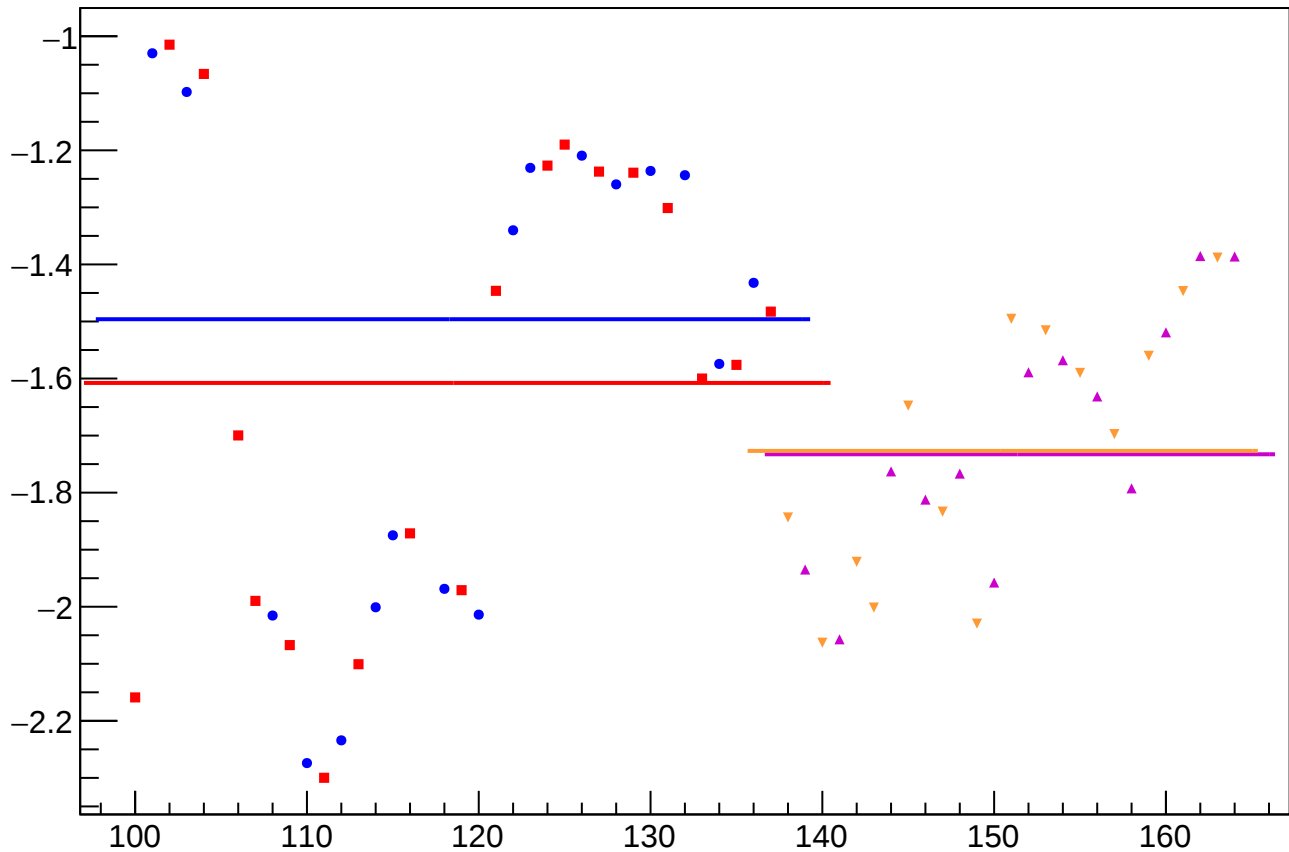
Left In: 0.004+/-0.000 χ^2/NDF : 1384434.3/12

+ sign 0.003+/-0.000 χ^2/NDF : 4171690.6/30

All: 0.003+/-0.000 χ^2/NDF : 8310711.1/62

- sign 0.003+/-0.000 χ^2/NDF : 4138422.6/31

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.727+/-0.000 χ^2/NDF : 13228744027.8/13

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

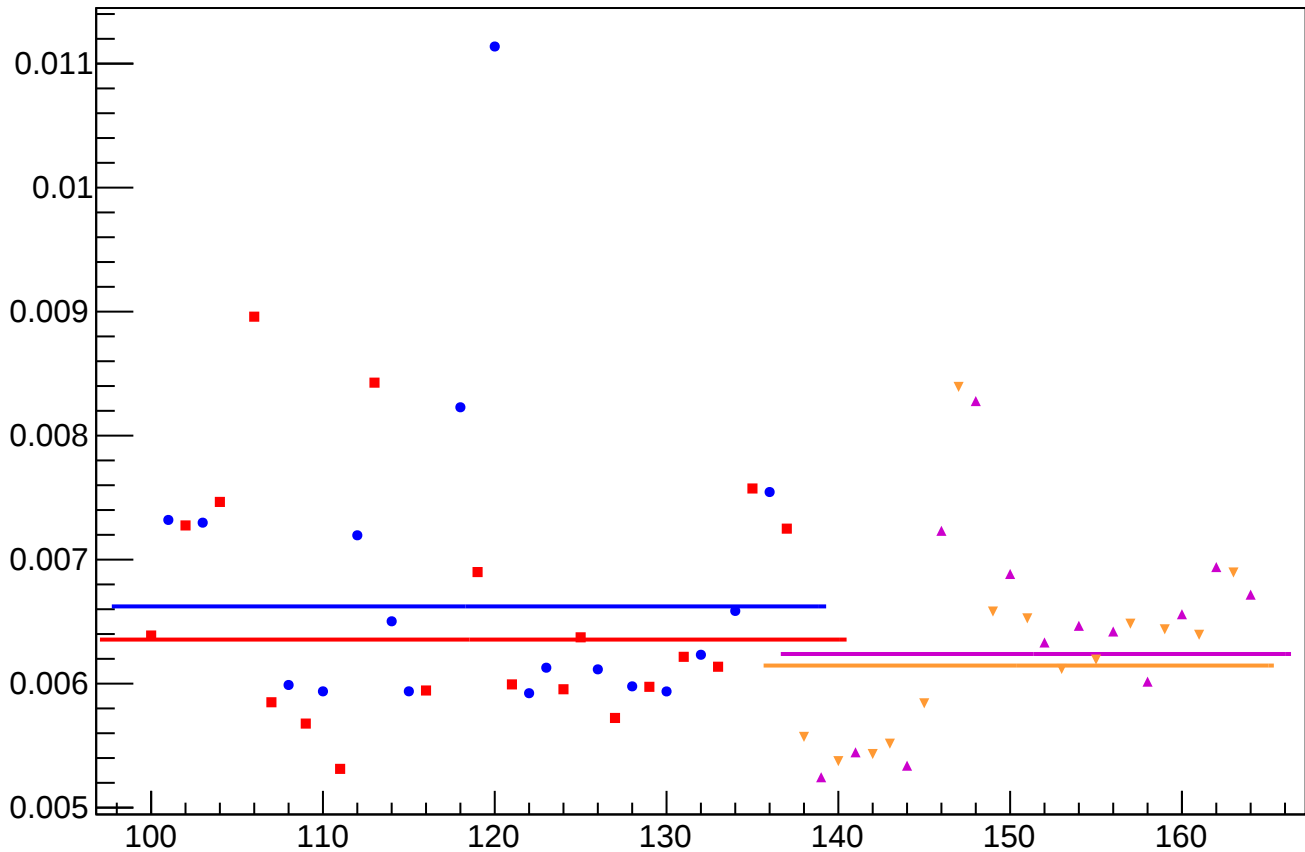
Left In: -1.733+/-0.000 χ^2/NDF : 10243421274.3/12

+ sign -1.647+/-0.000 χ^2/NDF : 40576545414.5/30

All: -1.665+/-0.000 χ^2/NDF : 80453629323.6/31

- sign -1.683+/-0.000 χ^2/NDF : 39611853220.3/31

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 232630.4/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:219908.7/13

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 227861.1/18

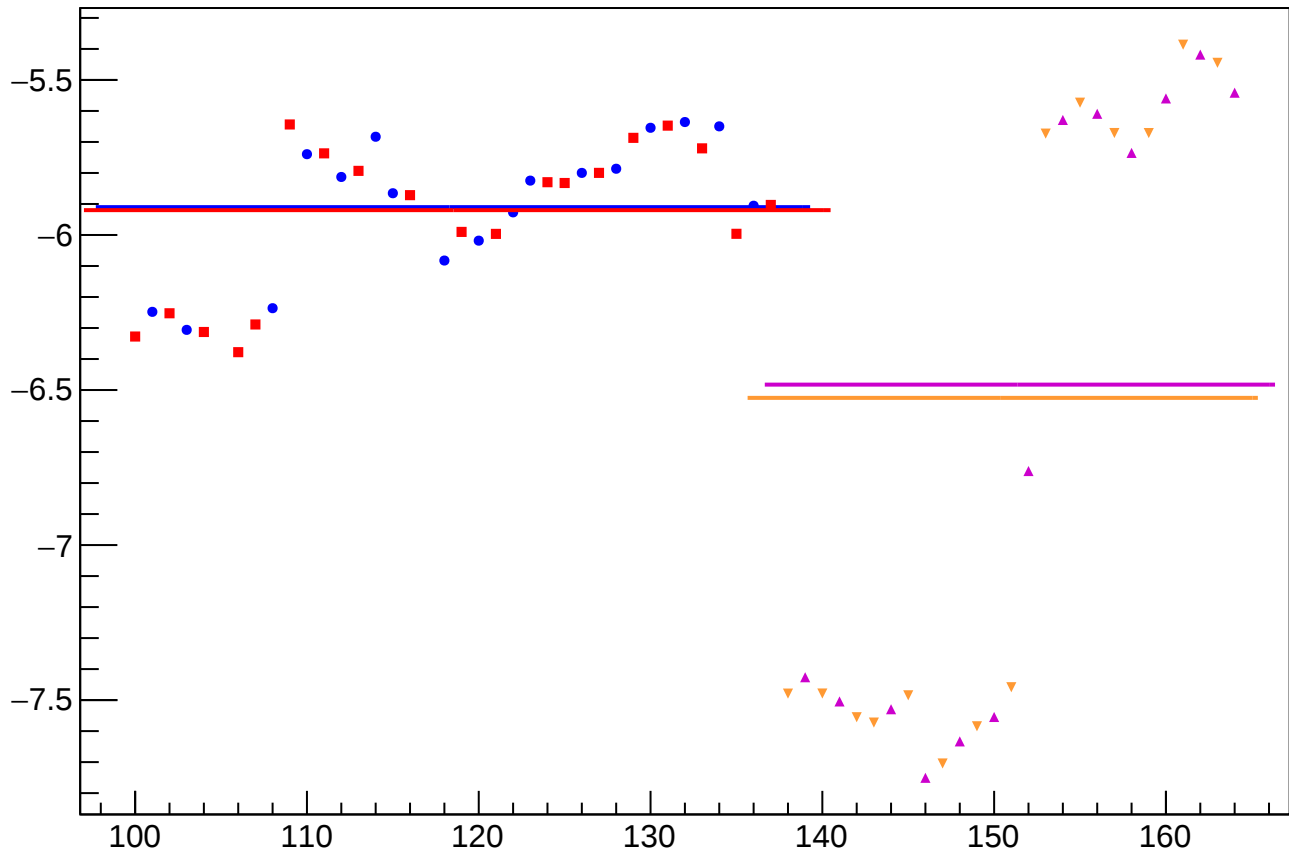
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:286808.4/12

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 493738.9/30

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1011336.3/62

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 517318.4/31

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.525+/-0.000 χ^2/NDF : 136107869909.5/13

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

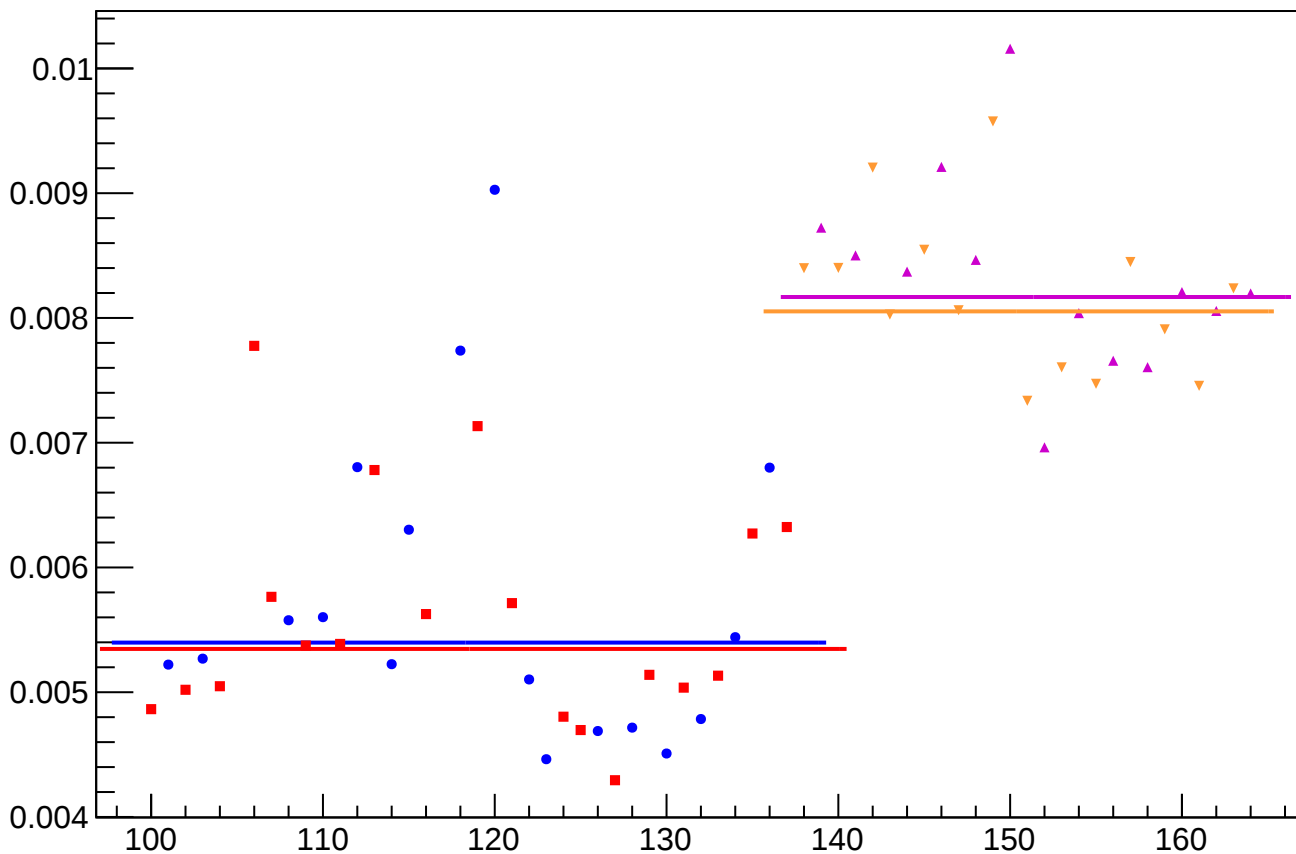
Left In: -6.483+/-0.000 χ^2/NDF : 117868837233.9/12

+ sign -6.161+/-0.000 χ^2/NDF : 178499836273.1/30

All: -6.146+/-0.000 χ^2/NDF : 335995630529.4

- sign -6.133+/-0.000 χ^2/NDF : 157362295585.3/31

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 :94064.2/13

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

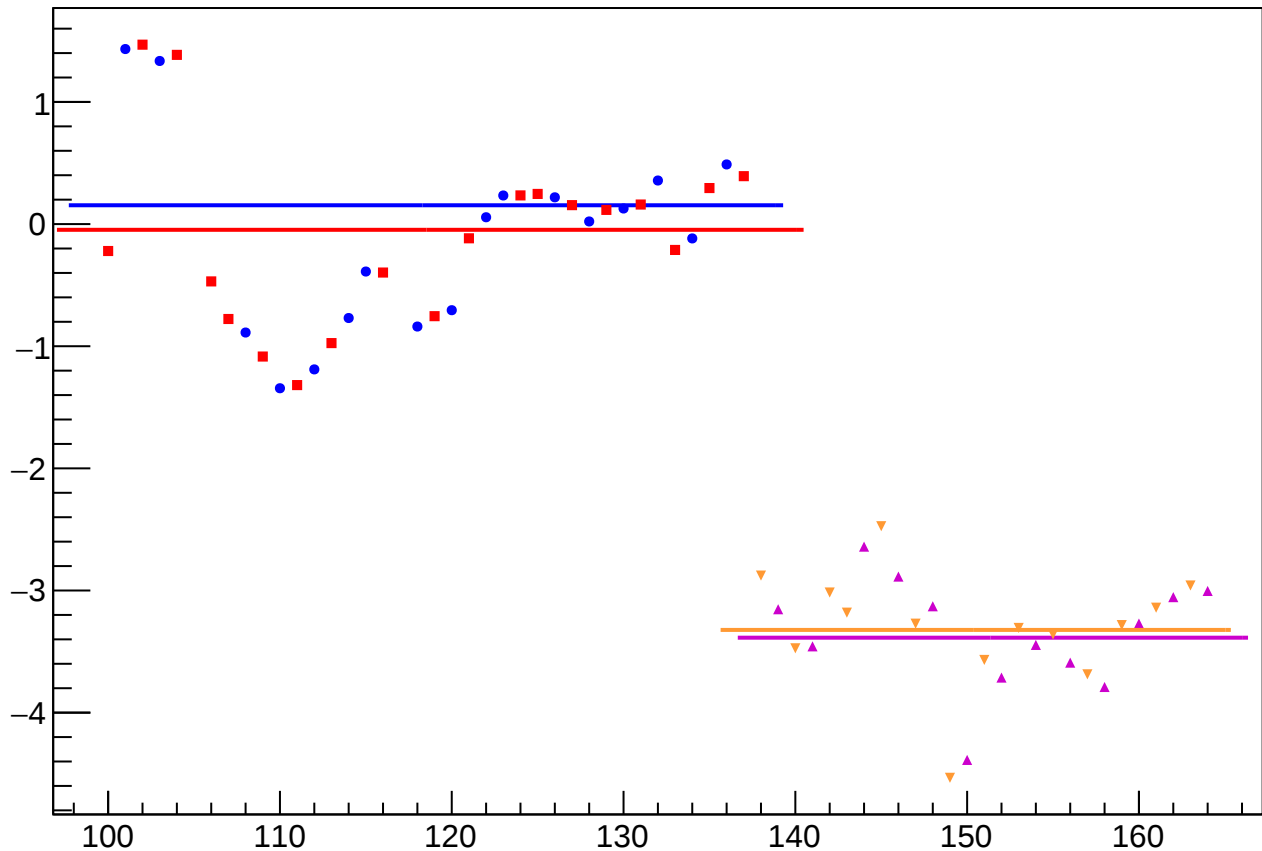
Left In: 0.008+/-0.000 χ^2/NDF :141243.1/12

+ sign 0.006+/-0.000 χ^2/NDF : 1629278.4/30

All: 0.006+/-0.000 χ^2/NDF : 3363676.6/62

- sign 0.006+/-0.000 χ^2/NDF : 1732997.9/31

yield_bpm0l02X_mean vs Slug



Right In: 0.154 ± 0.000 $\chi^2/\text{NDF}: 16988256953.8/16$

Left Out: -3.323 ± 0.000 $\chi^2/\text{NDF}: 7504648950.8/13$

Right Out: -0.047 ± 0.000 $\chi^2/\text{NDF}: 21211430471.1/18$

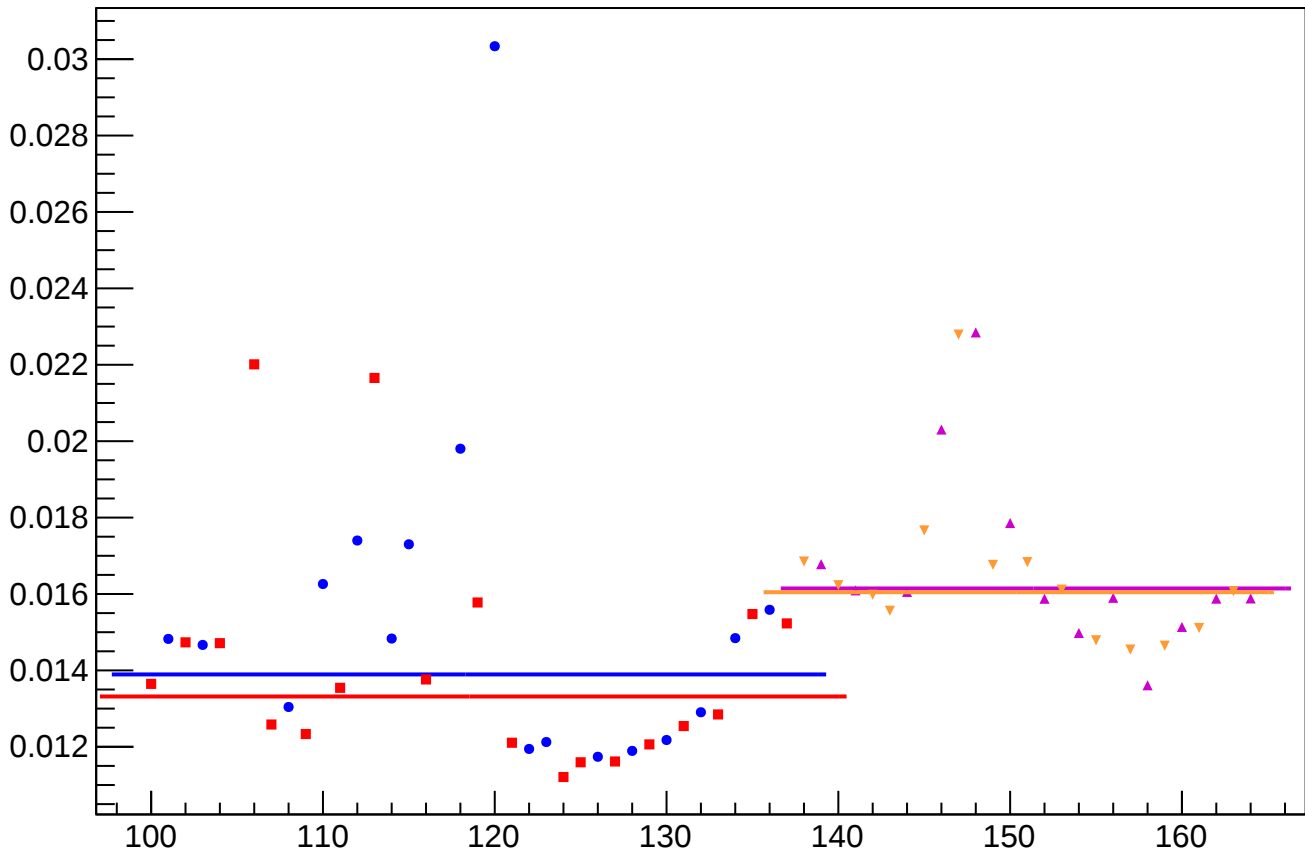
Left In: -3.386 ± 0.000 $\chi^2/\text{NDF}: 6848919002.6/12$

+ sign -1.783 ± 0.000 $\chi^2/\text{NDF}: 231041645697.6/30$

All: -1.757 ± 0.000 $\chi^2/\text{NDF}: 464261126344.5$

- sign -1.733 ± 0.000 $\chi^2/\text{NDF}: 233130145418.0/31$

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 :194148.9/13

Right Out: 0.013+/-0.000 χ^2/NDF : 291358.0/18

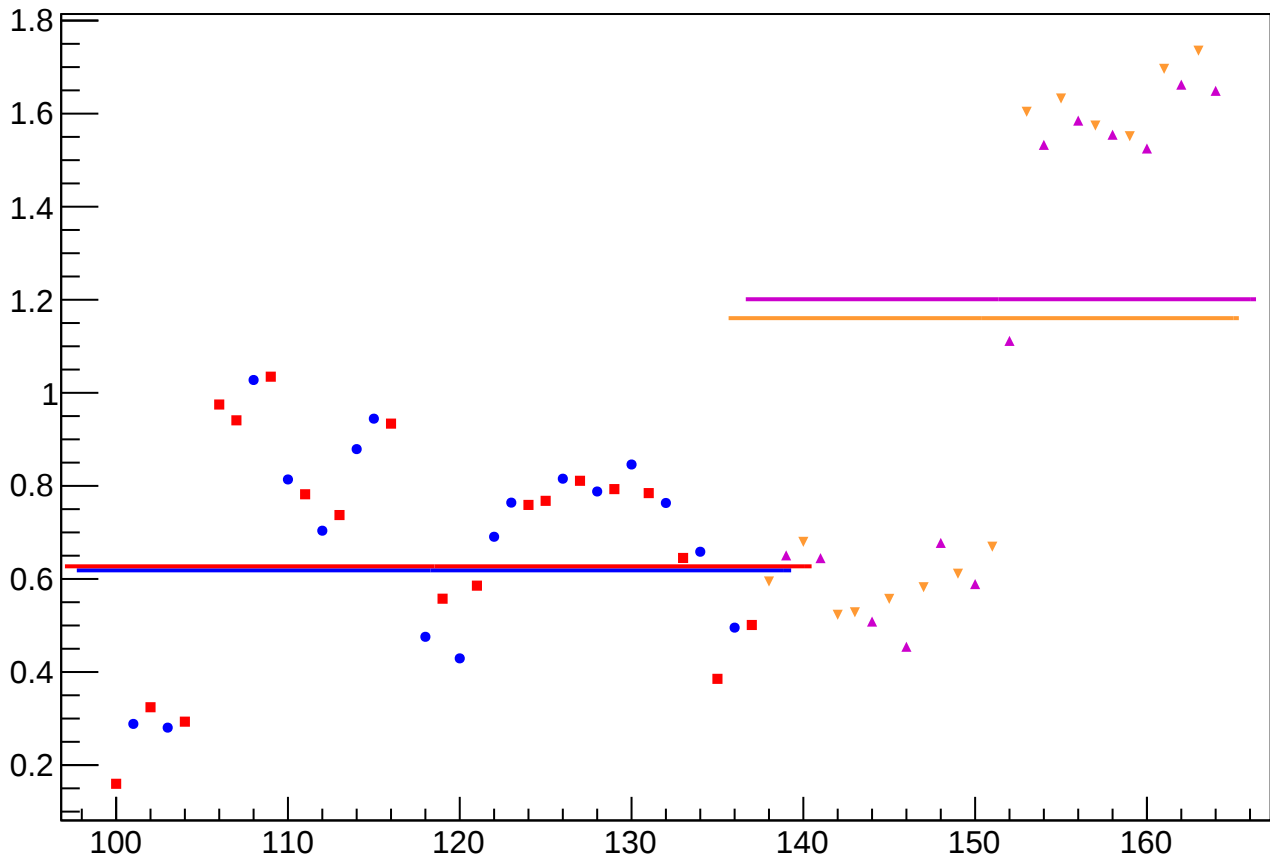
Left In: 0.016+/-0.000 χ^2/NDF :274823.4/12

+ sign 0.015+/-0.000 χ^2/NDF : 753063.0/30

All: 0.015+/-0.000 χ^2/NDF : 1622073.3/62

- sign 0.015+/-0.000 χ^2/NDF : 860328.8/31

yield_bpm0l02Y_mean vs Slug



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 1.160+/-0.000 χ^2/NDF : 54883818611.9/13

Right Out: 0.627+/-0.000 χ^2/NDF : 6337935219.4/18

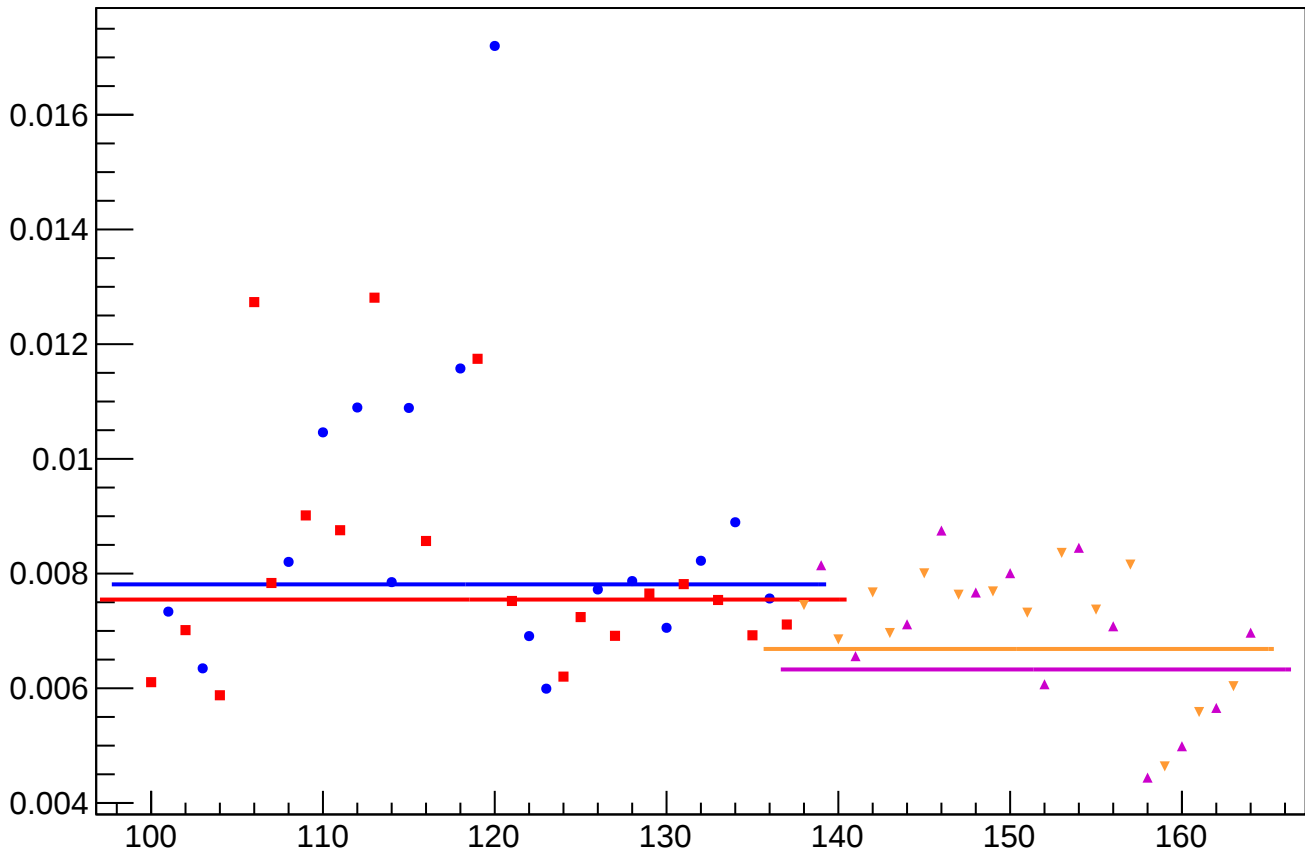
Left In: 1.201+/-0.000 χ^2/NDF : 48205428555.3/12

+ sign 0.989+/-0.000 χ^2/NDF : 79466878193.2/30

All: 1.004+/-0.000 χ^2/NDF : 158407040049.9

- sign 1.016+/-0.000 χ^2/NDF : 78824932795.9/31

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 466827.3/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:615314.0/13

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 441823.4/18

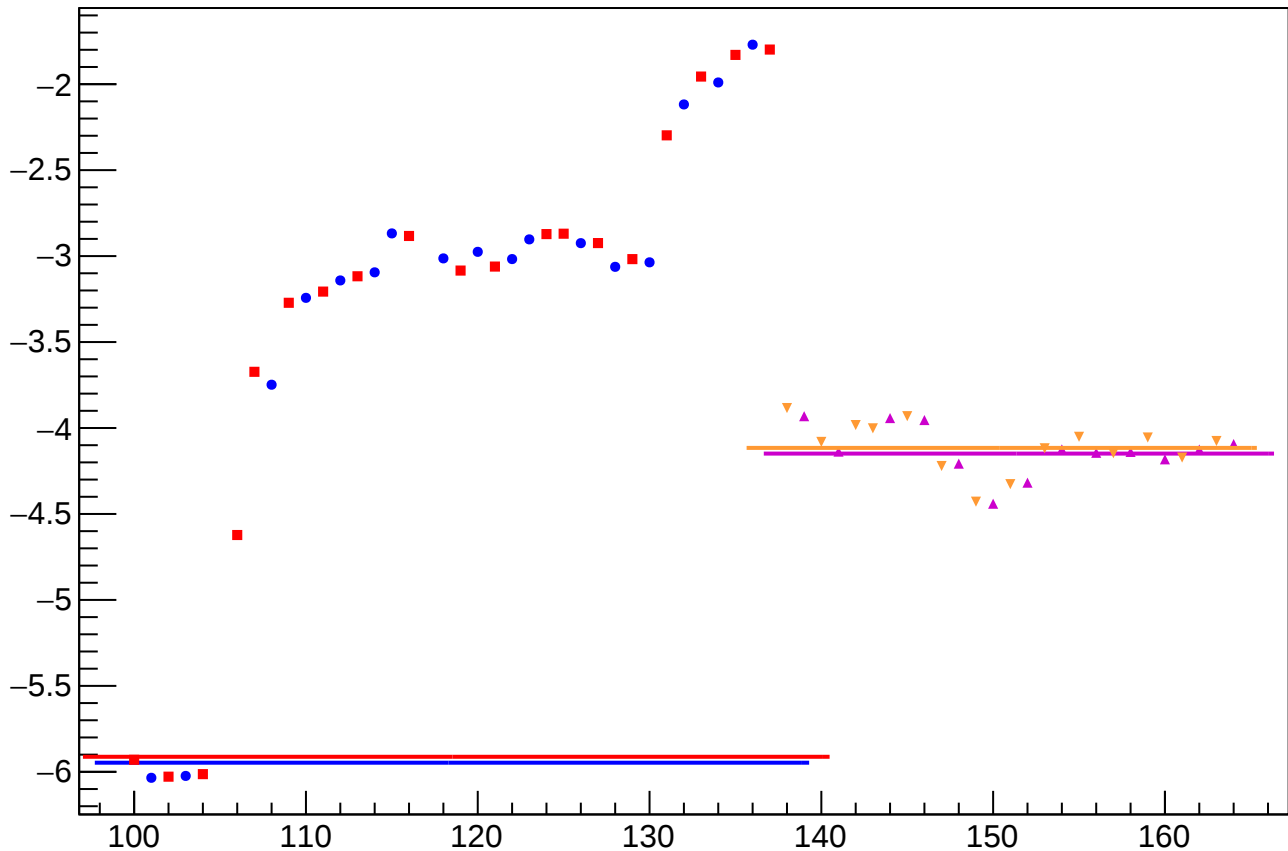
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:846553.9/12

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1247694.7/30

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2787851.6/62

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1507403.7/31

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.116+/-0.000 χ^2/NDF : 29815838.4/13

+ sign -5.905+/-0.000 χ^2/NDF : 16872561097.4/30

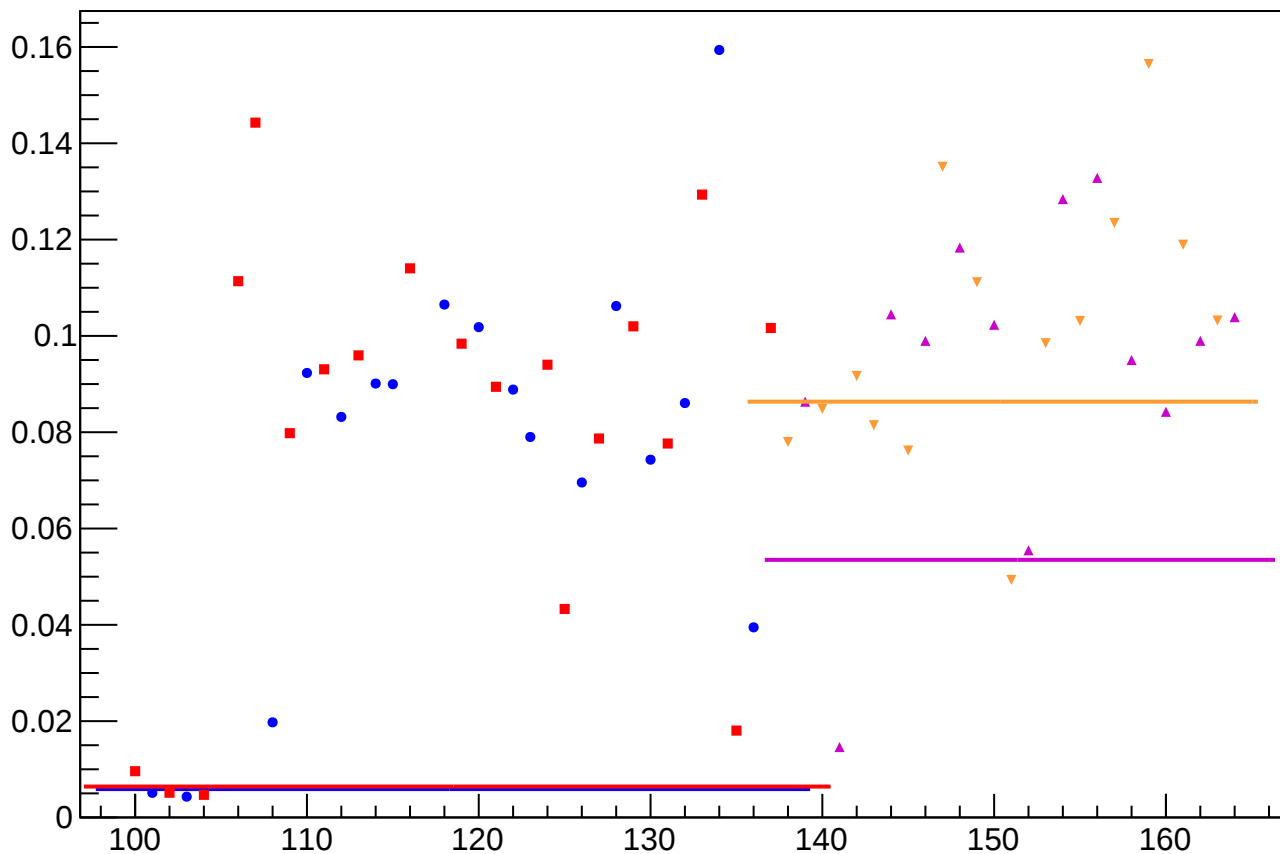
Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

All: -5.873+/-0.000 χ^2/NDF : 36889189278.9

- sign -5.834+/-0.000 χ^2/NDF : 19908259940.0/31

Left In: -4.149+/-0.000 χ^2/NDF : 21264086.8/12

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7934545.2/16

Left Out: 0.086 $\pm$ 0.000 χ^2 /NDF:1527653.5/13

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

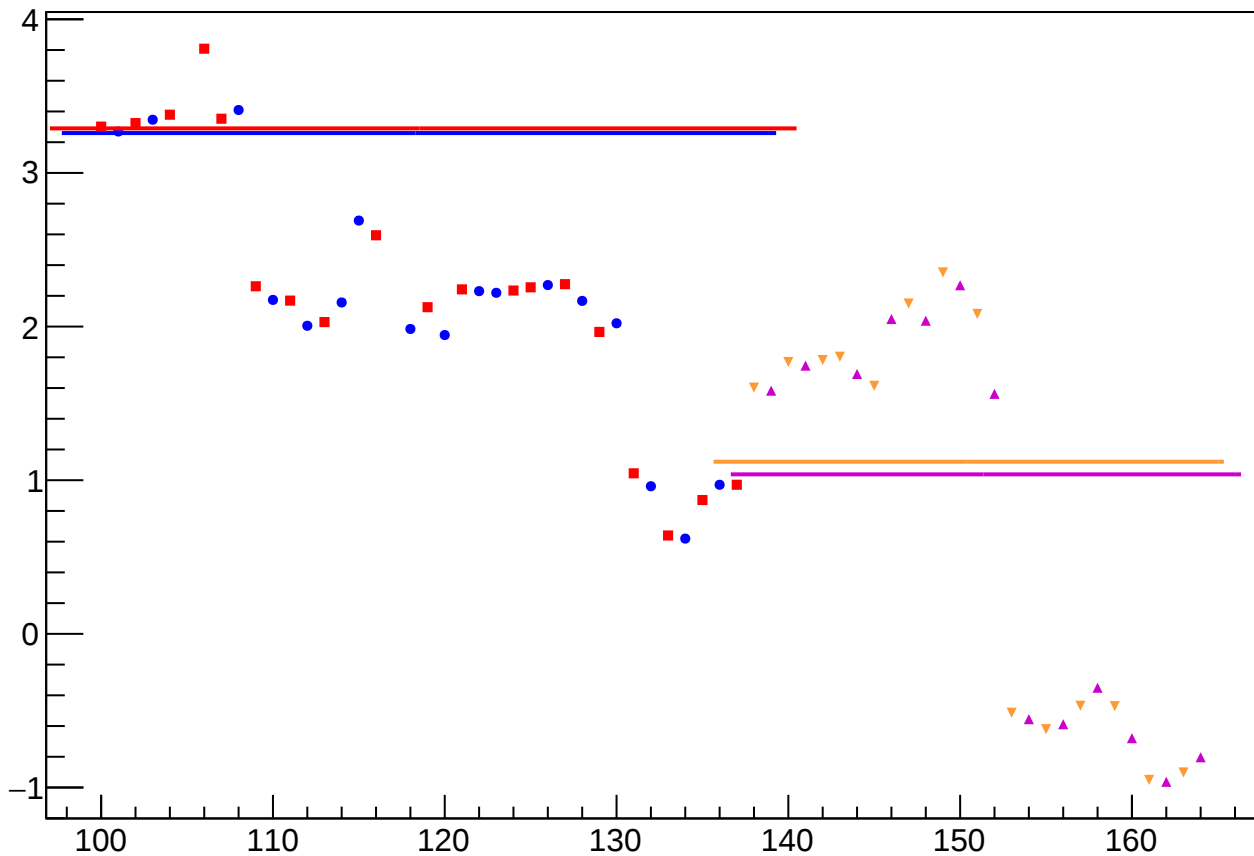
Left In: 0.053 $\pm$ 0.000 χ^2 /NDF:6142888.2/12

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 23657912.2/30

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 45831518.3/62

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 22148795.7/31

yield_bpm0l03Y_mean vs Slug



Right In: 3.259 $\pm$ 0.000 χ^2 /NDF: 2921931976.8/16

Left Out: 1.120 $\pm$ 0.000 χ^2 /NDF:1472529191.3/13

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3262231575.5/18

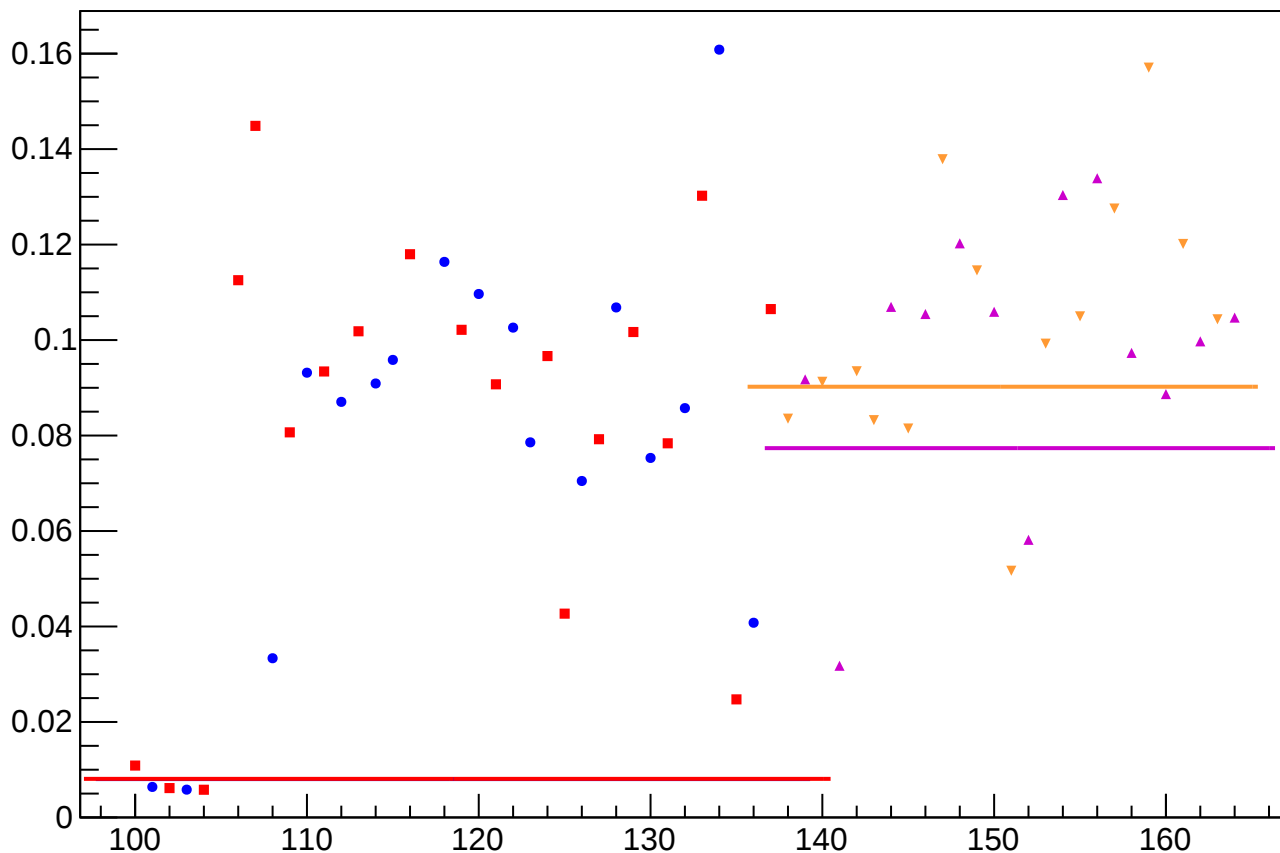
Left In: 1.038 $\pm$ 0.000 χ^2 /NDF:1498273168.1/12

+ sign 3.185 $\pm$ 0.000 χ^2 /NDF: 8977426805.4/30

All: 3.190 $\pm$ 0.000 χ^2 /NDF: 19393473276.6/6

- sign 3.195 $\pm$ 0.000 χ^2 /NDF: 10414570498.3/31

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.090 $\pm$ 0.000 χ^2 /NDF:1391987.5/13

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

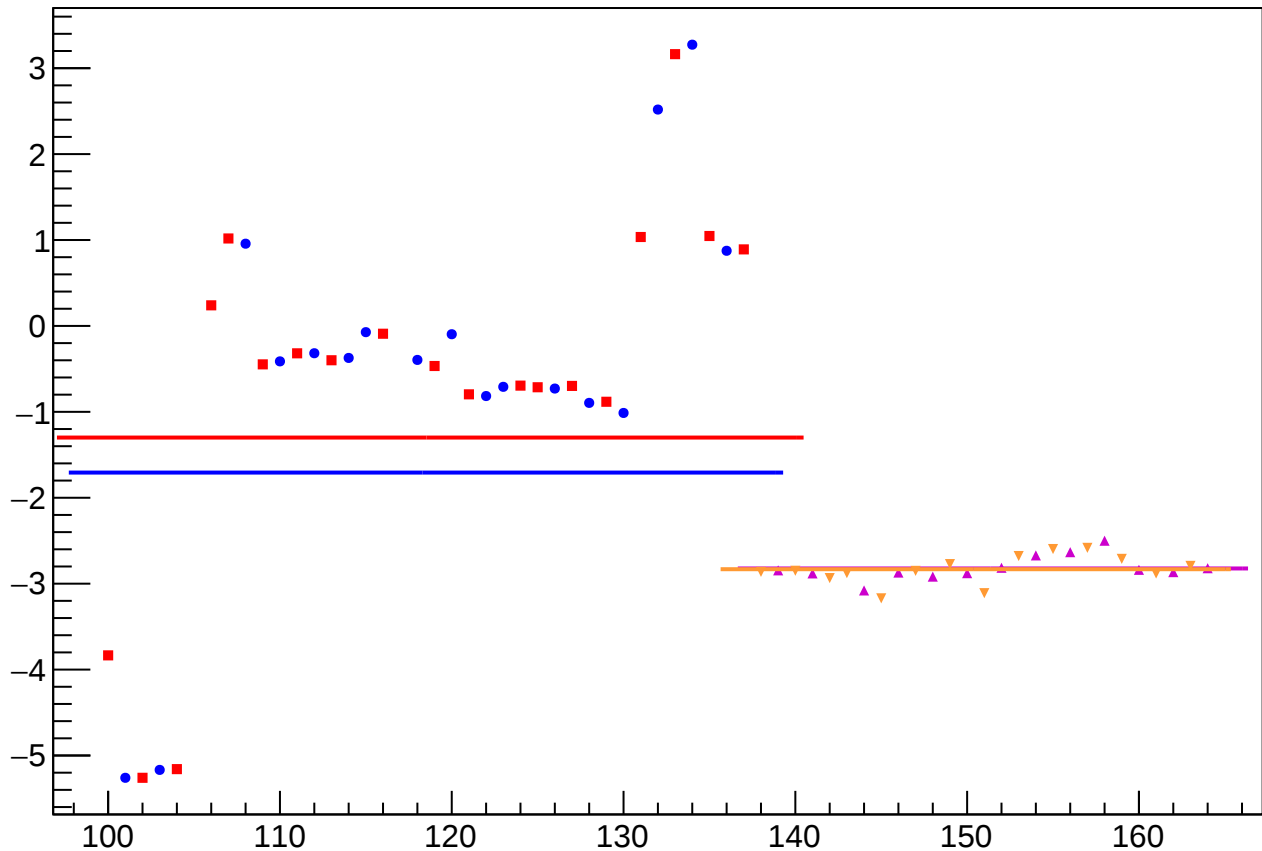
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:2692633.6/12

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 22664103.4/30

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 44369372.7/62

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 21704978.4/31

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.832+/-0.000 χ^2/NDF : 4357391785.9/13

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

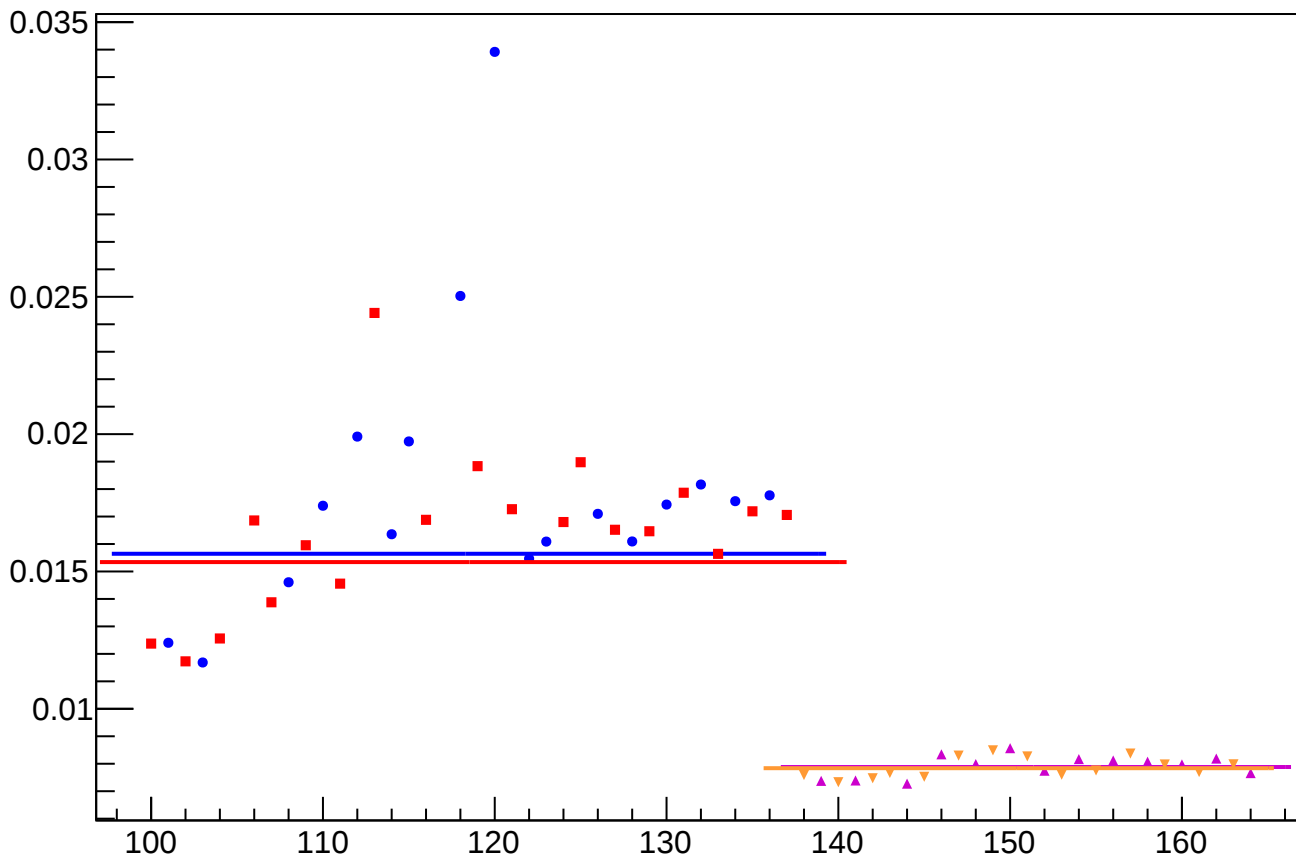
Left In: -2.823+/-0.000 χ^2/NDF : 3223283350.7/12

+ sign -2.693+/-0.000 χ^2/NDF : 195881955291.0/30

All: -2.649+/-0.000 χ^2/NDF : 430261199502.9

- sign -2.606+/-0.000 χ^2/NDF : 233675862733.8/31

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.015+/-0.000 χ^2/NDF : 40517.8/13

Right Out: 0.015+/-0.000 χ^2/NDF : 353806.7/18

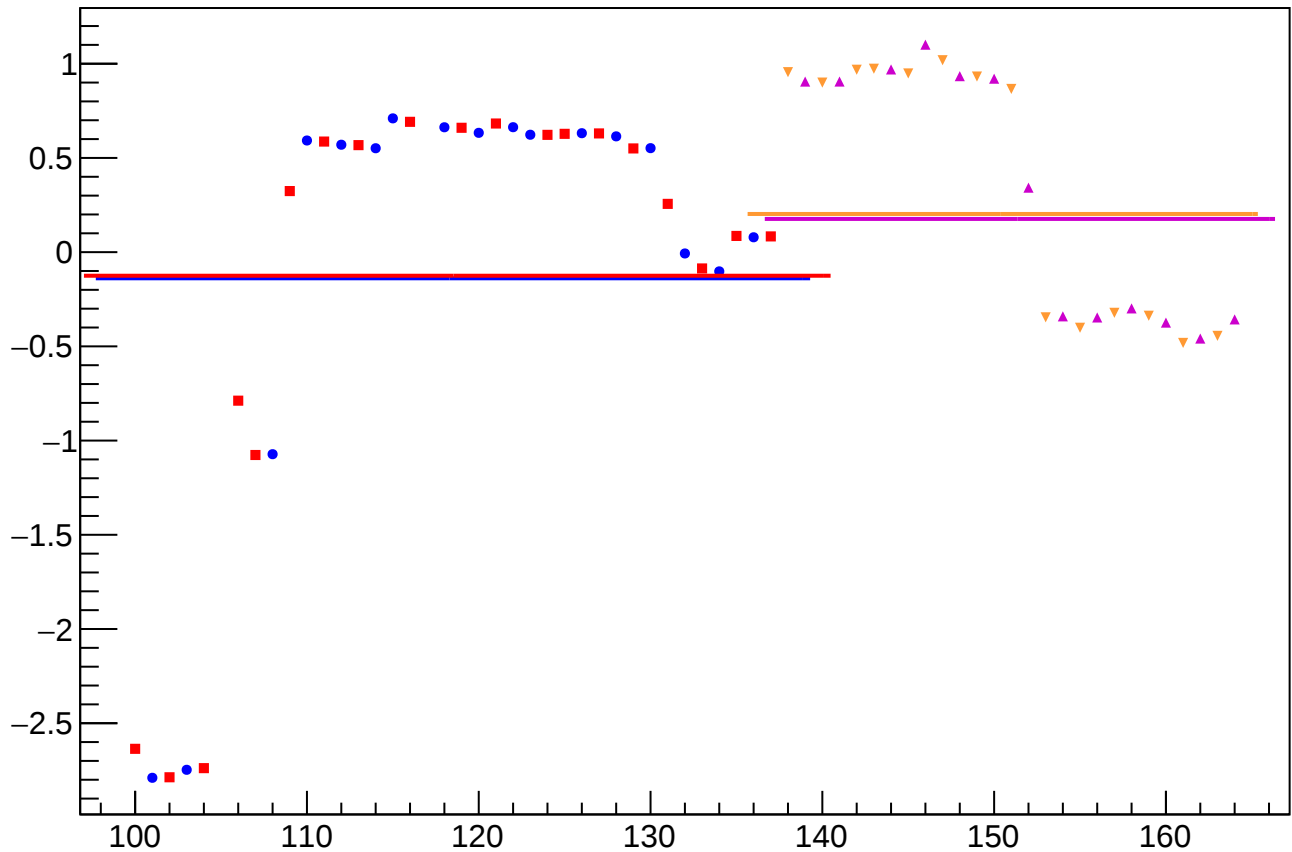
Left In: 0.008+/-0.000 χ^2/NDF : 48359.5/12

+ sign 0.009+/-0.000 χ^2/NDF : 3065880.0/30

All: 0.009+/-0.000 χ^2/NDF : 5985190.6/62

- sign 0.009+/-0.000 χ^2/NDF : 2915464.4/31

yield_bpm0l04Y_mean vs Slug



Right In: -0.139 ± 0.000 $\chi^2/\text{NDF}: 715049983856.2/16$

Left Out: 0.203 ± 0.000 $\chi^2/\text{NDF}: 106071431668.7/13$

+ sign -0.030 ± 0.000 $\chi^2/\text{NDF}: 840228037037.4/30$

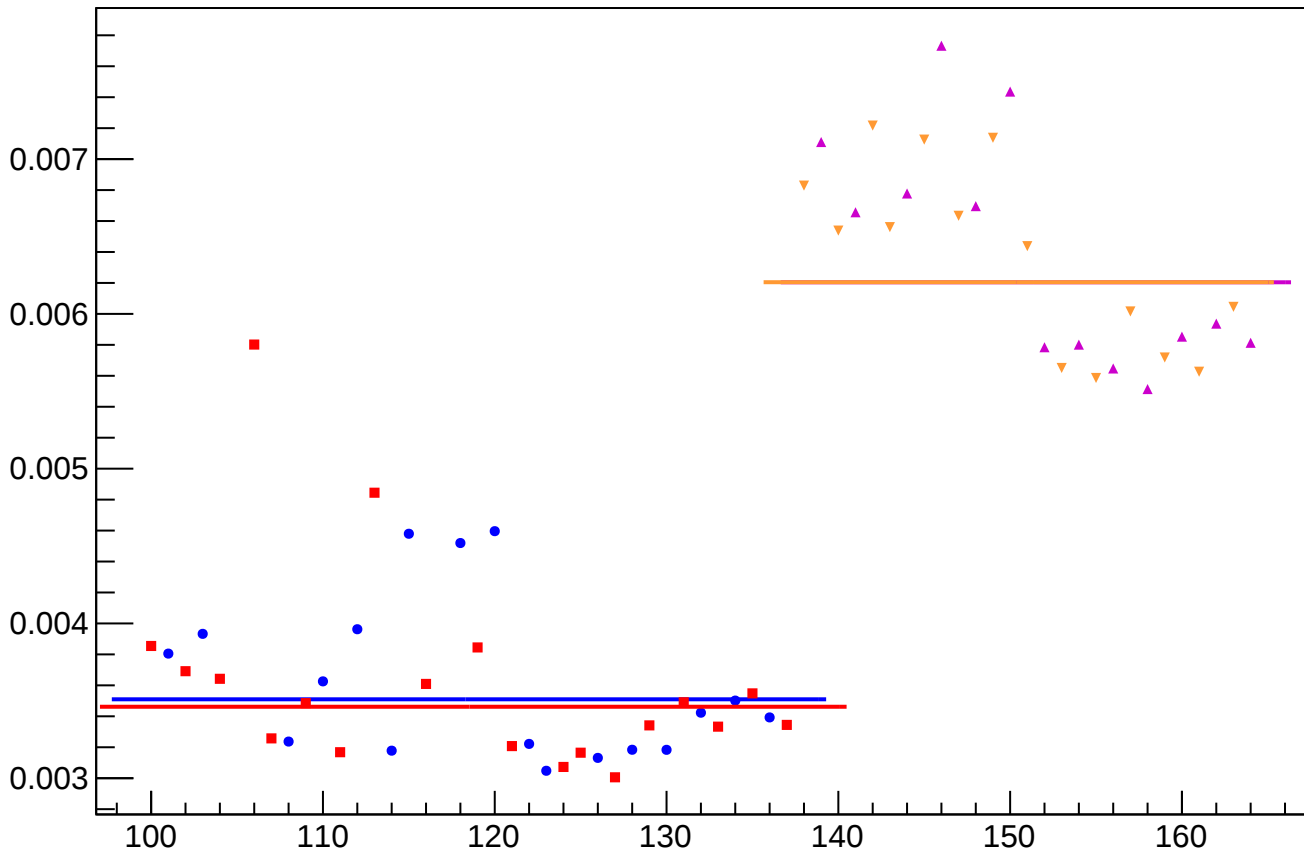
Right Out: -0.125 ± 0.000 $\chi^2/\text{NDF}: 761496762534.7/18$

All: -0.032 ± 0.000 $\chi^2/\text{NDF}: 1707907263572$

Left In: 0.176 ± 0.000 $\chi^2/\text{NDF}: 90868729075.9/12$

- sign -0.035 ± 0.000 $\chi^2/\text{NDF}: 867669384914.0/31$

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171337.9/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:147325.4/13

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 215974.1/18

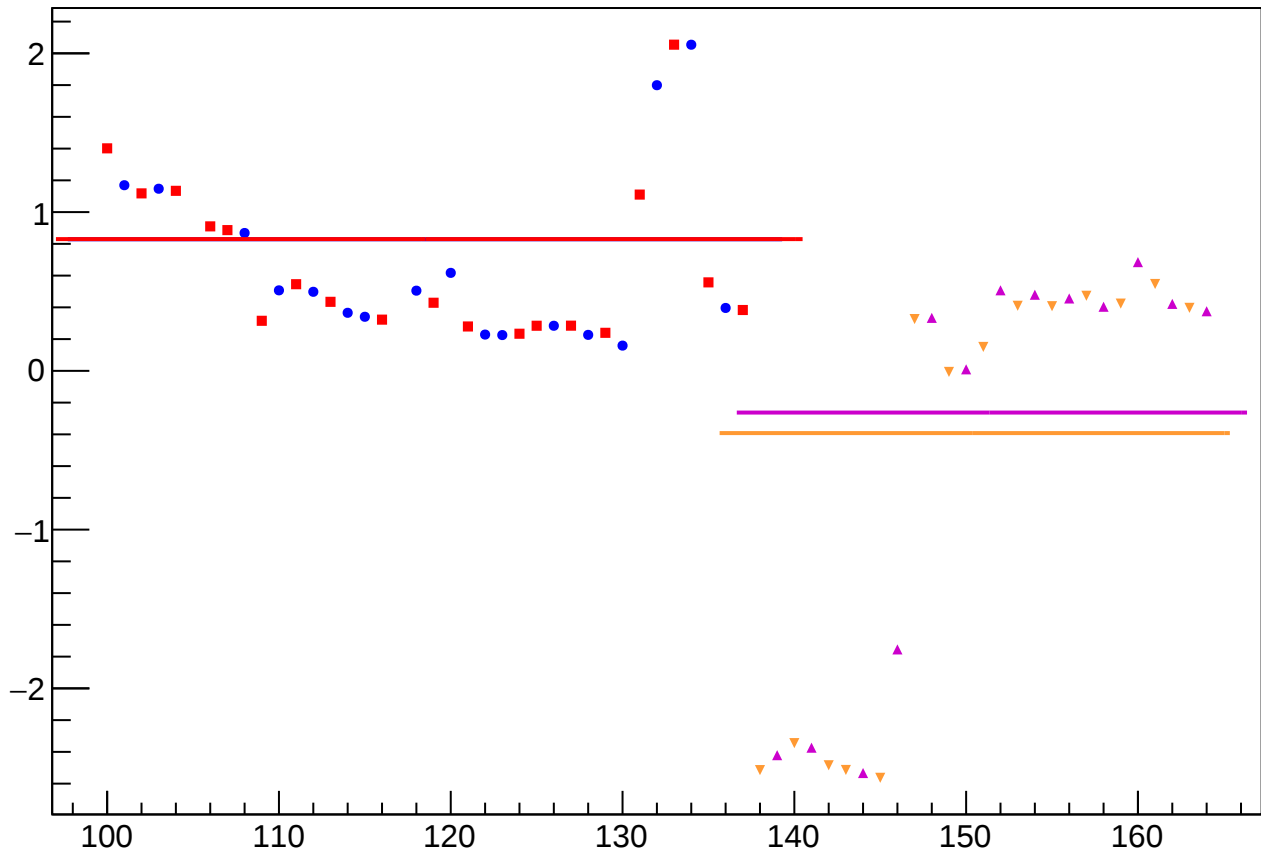
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204275.4/12

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2699962.7/30

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 5660047.4/62

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2954320.0/31

yield_bpm0l05X_mean vs Slug



Right In: 0.829 $\pm$ 0.000 χ^2 /NDF: 31718573821.2/16

Left Out: -0.392 $\pm$ 0.000 χ^2 /NDF: 434943724500.4/13

Right Out: 0.830 $\pm$ 0.000 χ^2 /NDF: 33335665437.8/18

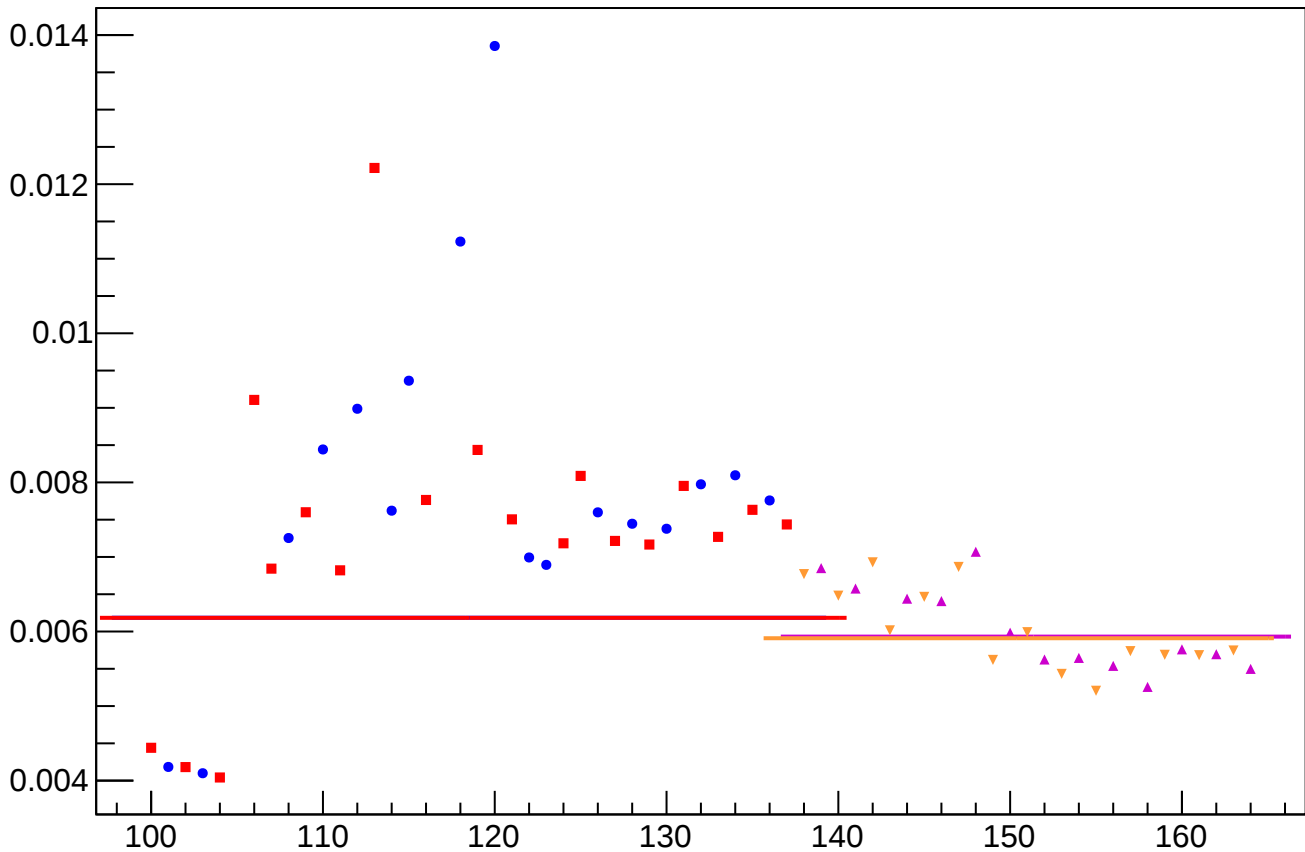
Left In: -0.263 $\pm$ 0.000 χ^2 /NDF: 380065159020.7/12

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 604506720562.6/30

All: 0.073 $\pm$ 0.000 χ^2 /NDF: 1136880514759.

- sign 0.129 $\pm$ 0.000 χ^2 /NDF: 529724440158.5/31

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 :138955.0/13

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

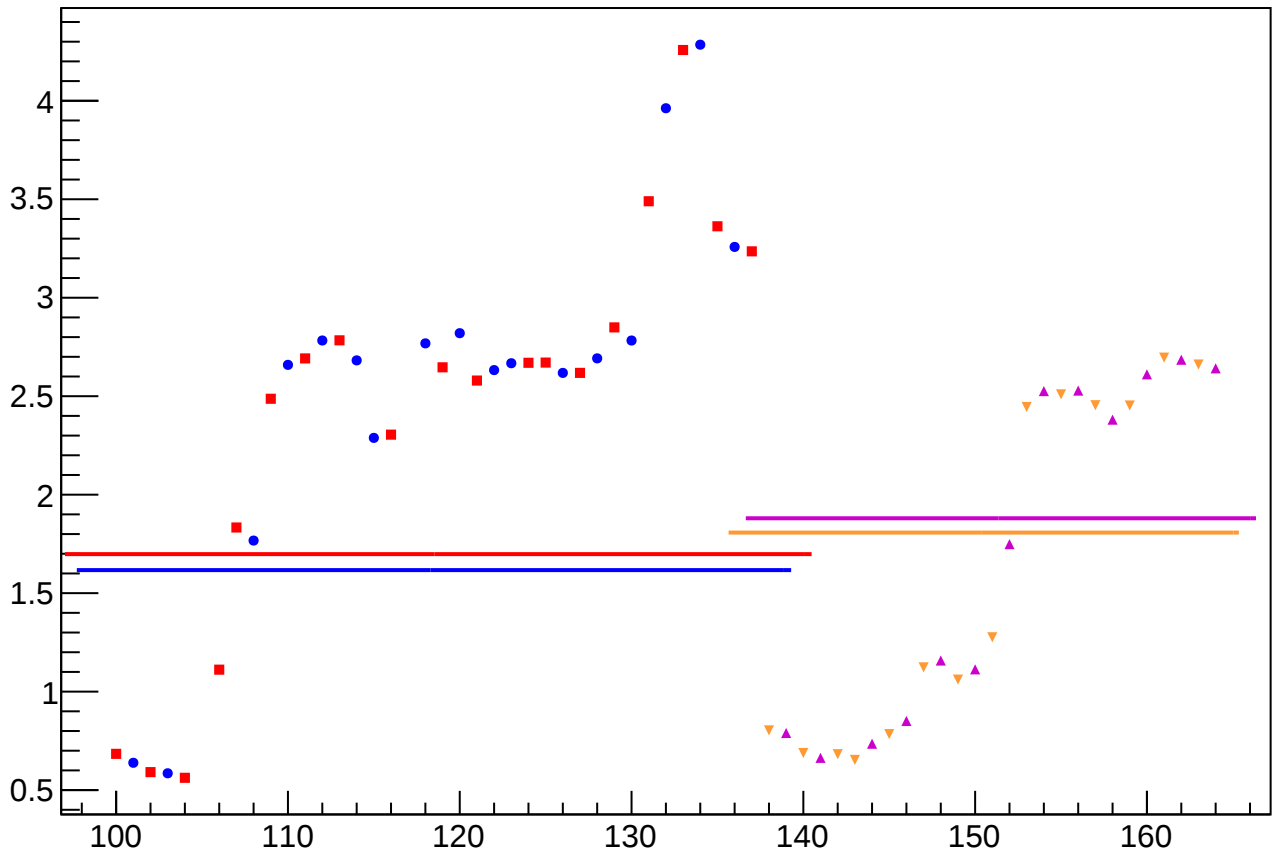
Left In: 0.006+/-0.000 χ^2/NDF :147690.0/12

+ sign 0.006+/-0.000 χ^2/NDF : 1381902.1/30

All: 0.006+/-0.000 χ^2/NDF : 2568970.2/62

- sign 0.006+/-0.000 χ^2/NDF : 1186897.2/31

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.808+/-0.000 χ^2/NDF : 206844997413.7/13

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

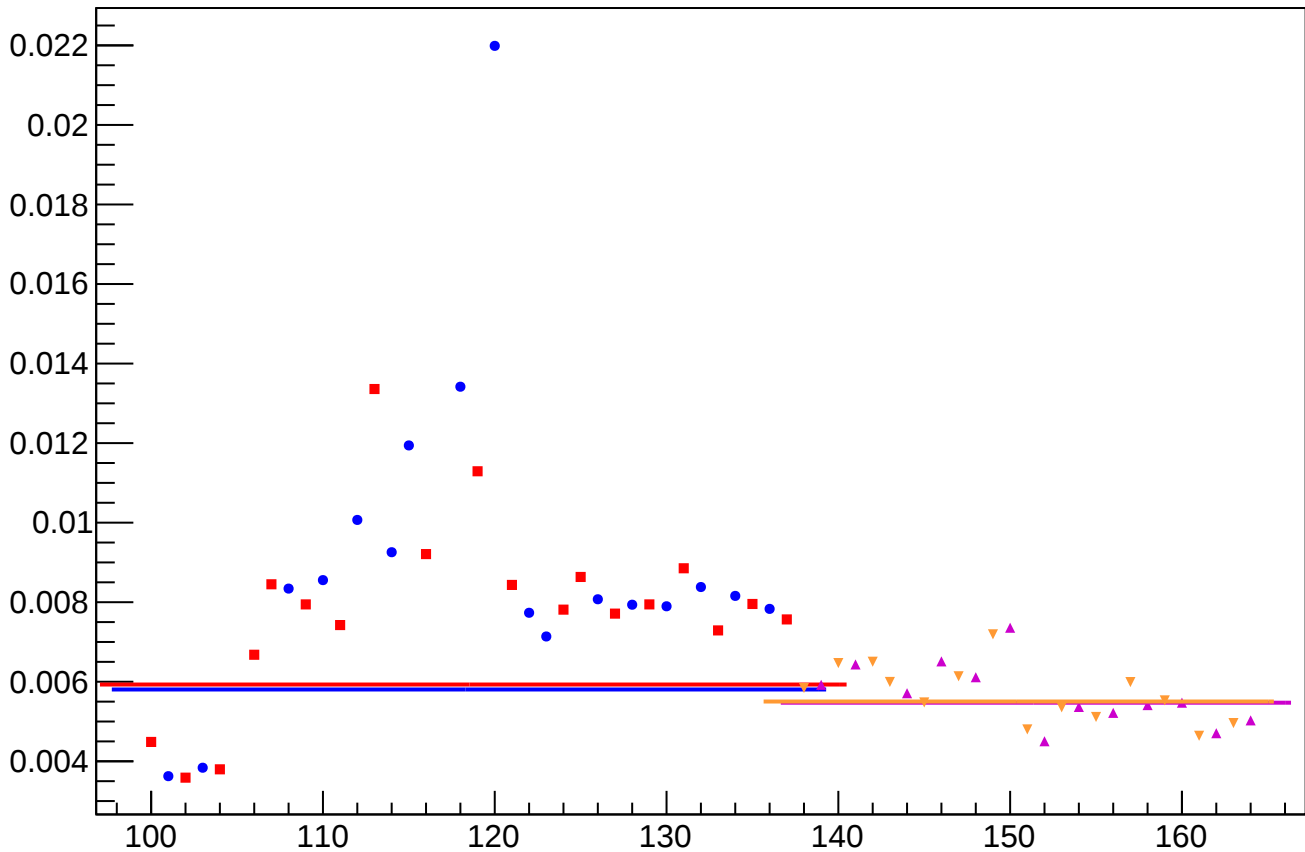
Left In: 1.880+/-0.000 χ^2/NDF : 187576198129.1/12

+ sign 1.746+/-0.000 χ^2/NDF : 413248070443.4/30

All: 1.783+/-0.000 χ^2/NDF : 832792960726.3

- sign 1.819+/-0.000 χ^2/NDF : 418340368177.8/31

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 :260576.5/13

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

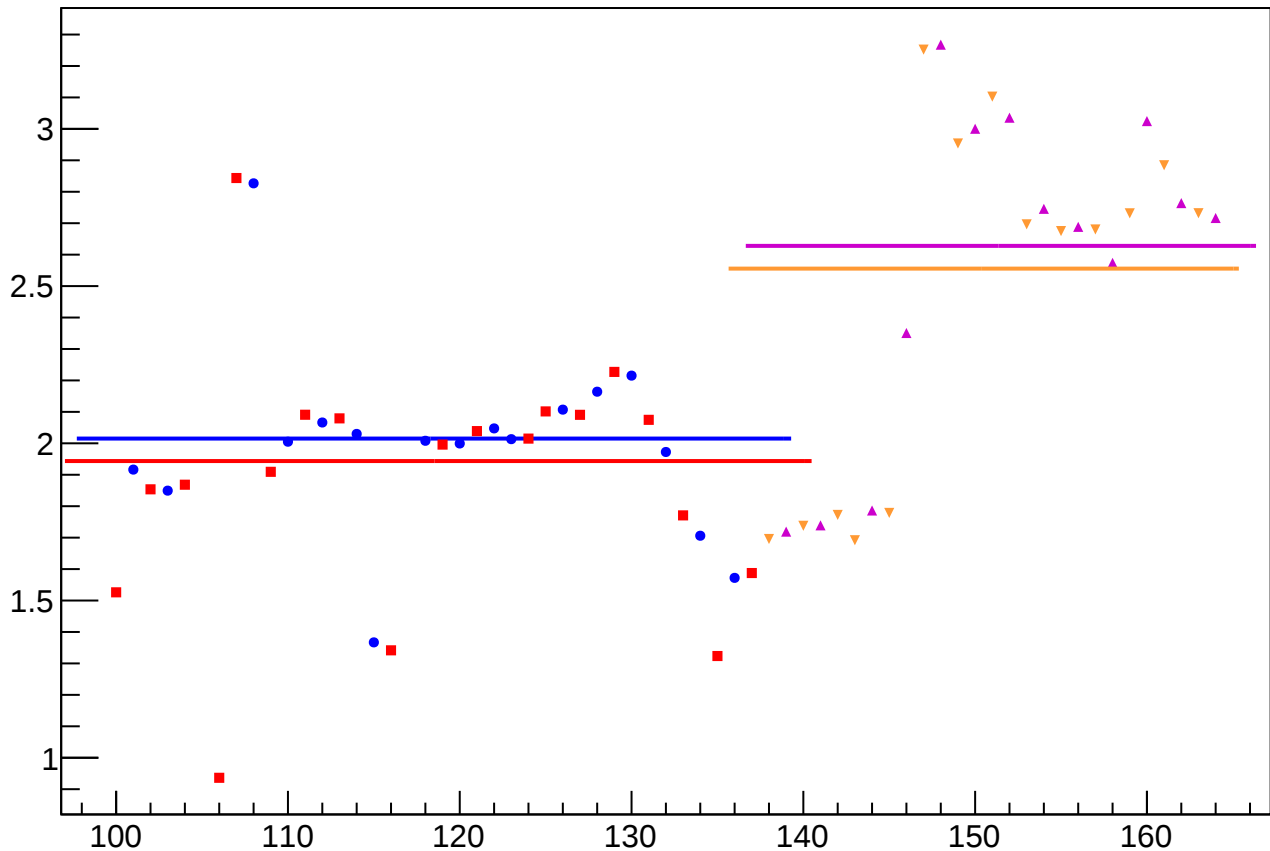
Left In: 0.005+/-0.000 χ^2/NDF :306798.1/12

+ sign 0.006+/-0.000 χ^2/NDF : 2196267.7/30

All: 0.006+/-0.000 χ^2/NDF : 4231233.8/62

- sign 0.006+/-0.000 χ^2/NDF : 2034677.1/31

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.556+/-0.000 χ^2/NDF : 48004794453.6/13

Right Out: 1.944+/-0.000 χ^2/NDF : 21427099579.0/18

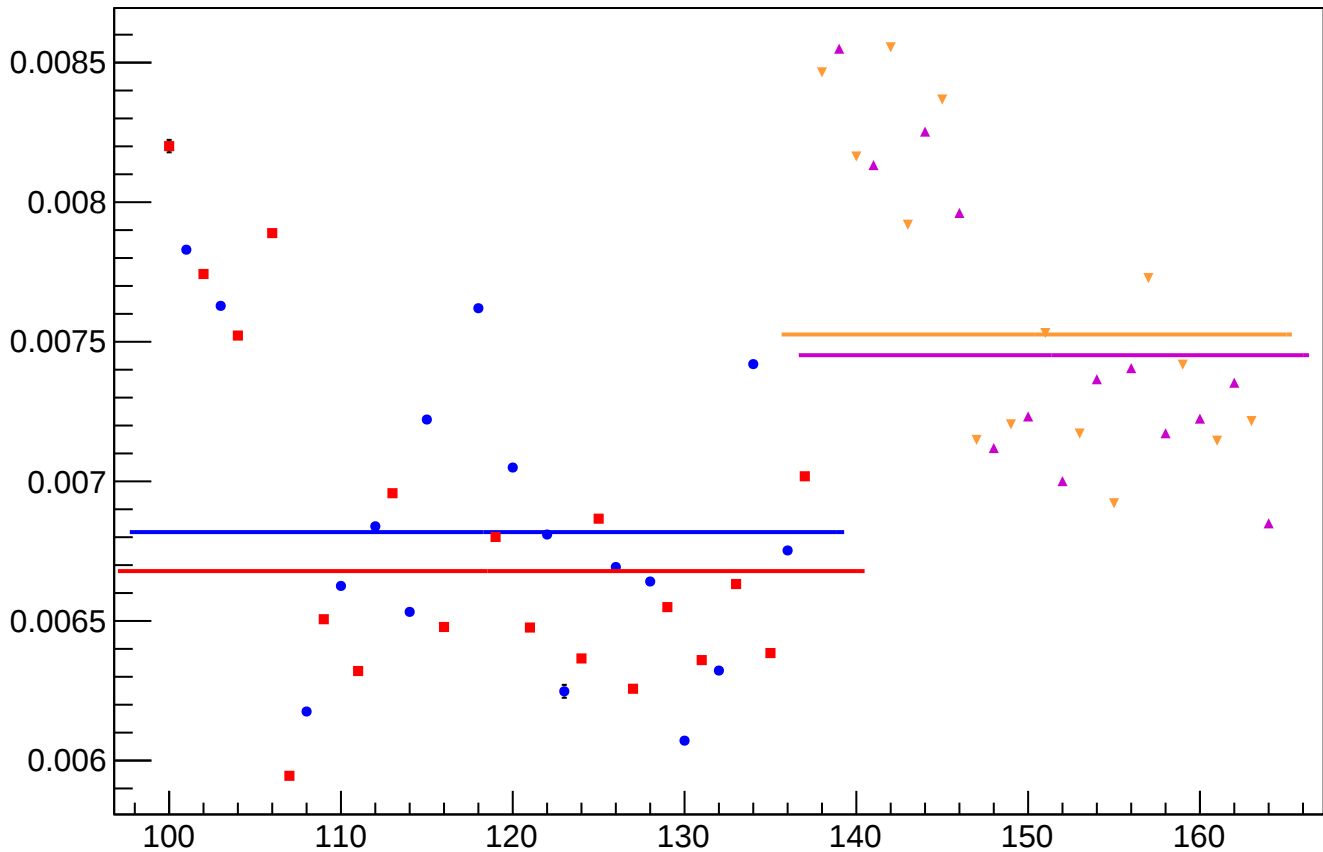
Left In: 2.628+/-0.000 χ^2/NDF : 40577910365.1/12

+ sign 2.318+/-0.000 χ^2/NDF : 82640796378.1/30

All: 2.315+/-0.000 χ^2/NDF : 182930590286.6

- sign 2.311+/-0.000 χ^2/NDF : 100282218691.2/31

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:86122.1/13

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 75718.4/18

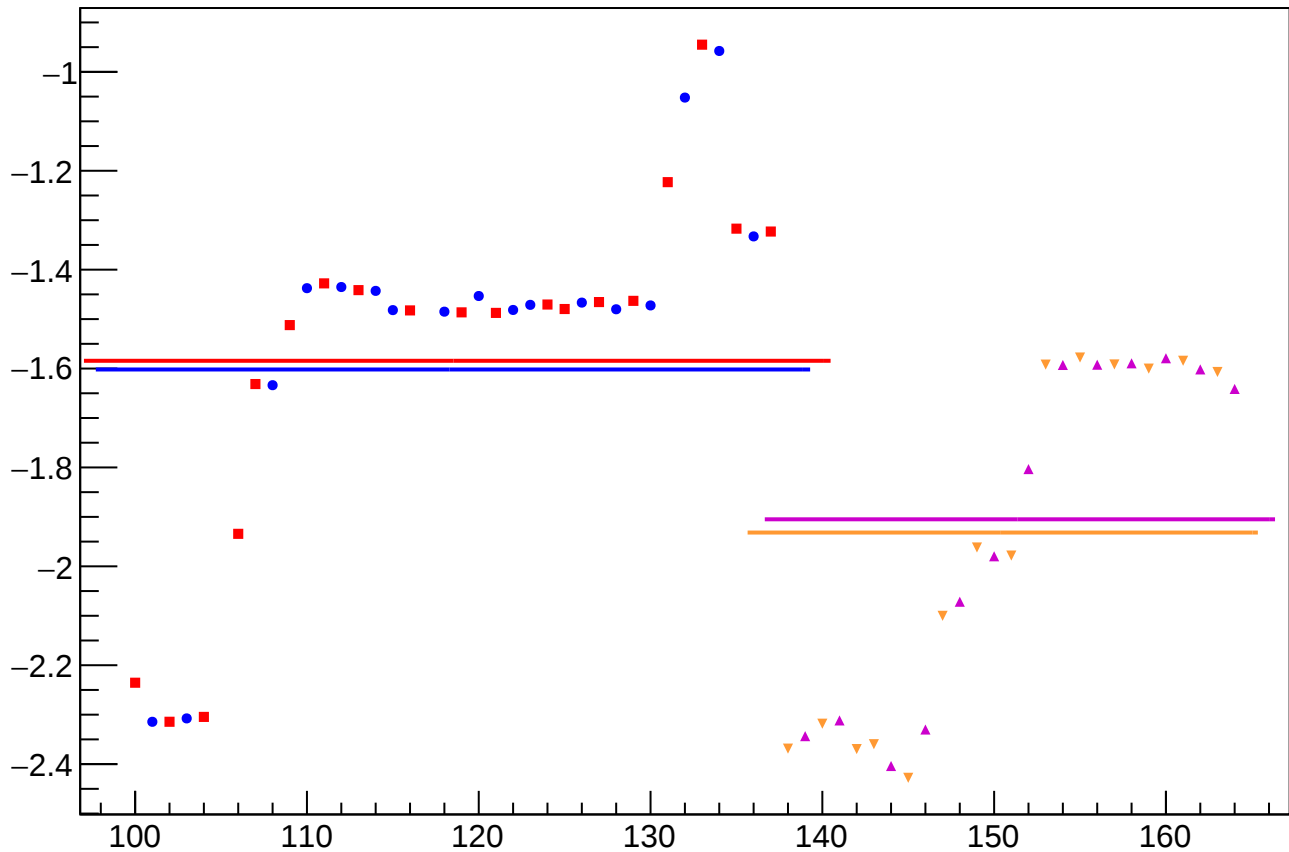
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:79333.3/12

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 238792.7/30

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 496279.5/62

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 252802.3/31

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2 /NDF: 140200656044.3/16

Left Out: -1.932+/-0.000 χ^2 /NDF: 137930011507.7/13

Right Out: -1.584+/-0.000 χ^2 /NDF: 143578606614.3/18

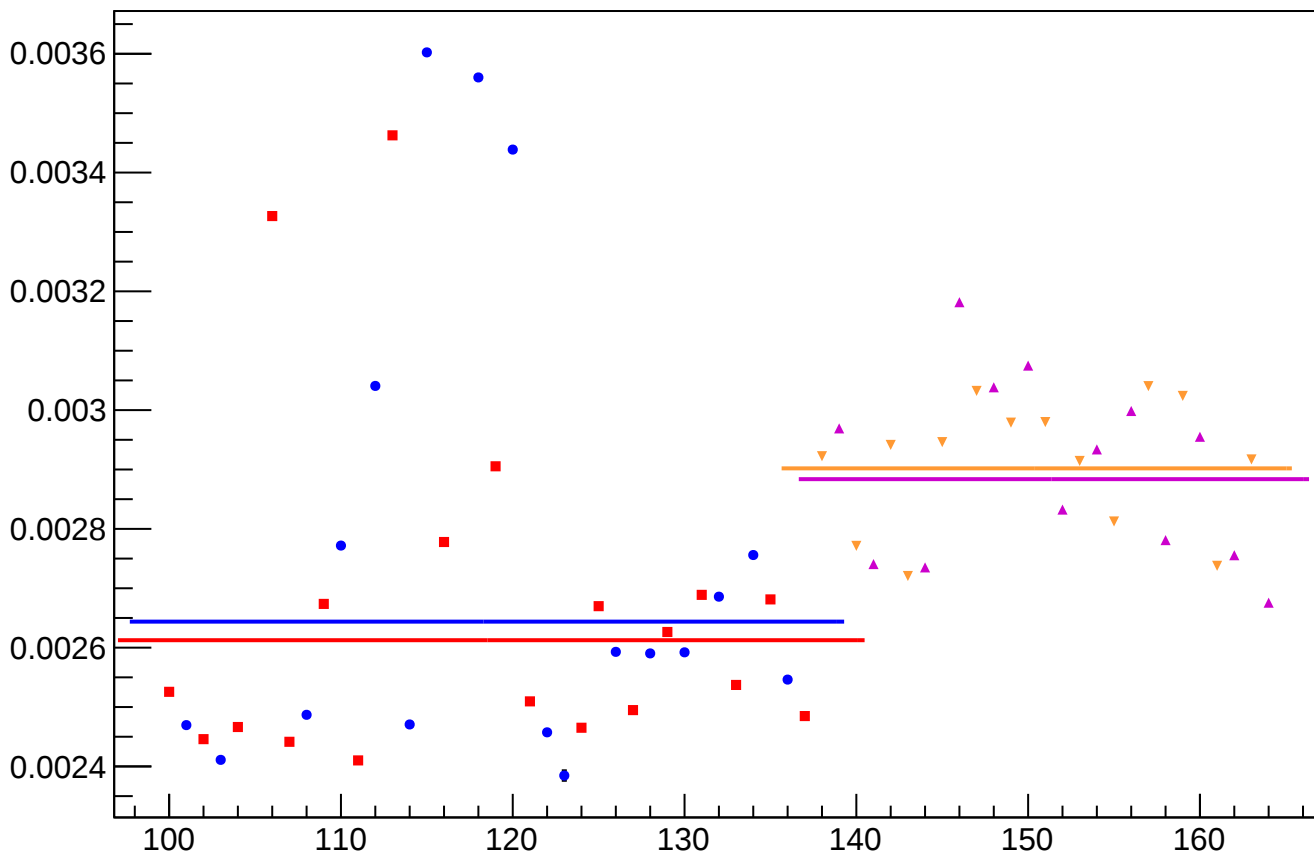
Left In: -1.905+/-0.000 χ^2 /NDF: 126619988888.4/12

+ sign -1.788+/-0.000 χ^2 /NDF: 333300574471.3/30

All: -1.773+/-0.000 χ^2 /NDF: 659182276114.6

- sign -1.759+/-0.000 χ^2 /NDF: 324993409414.6/31

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 : 26646.1/13

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

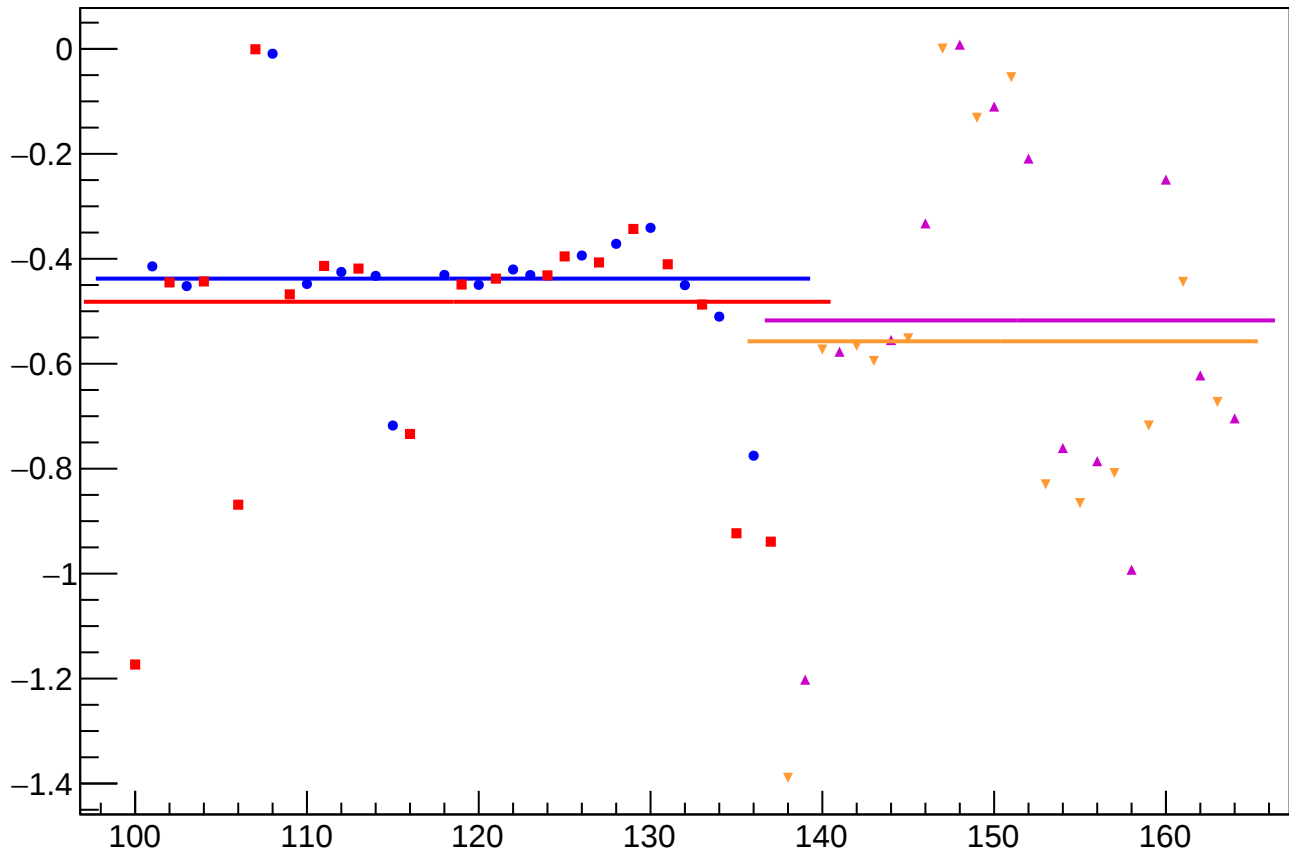
Left In: 0.003+/-0.000 χ^2/NDF : 49172.2/12

+ sign 0.003+/-0.000 χ^2/NDF : 245598.2/30

All: 0.003+/-0.000 χ^2/NDF : 480270.1/62

- sign 0.003+/-0.000 χ^2/NDF : 232879.4/31

yield_bpm0l07X_mean vs Slug



Right In: -0.438 ± 0.000 $\chi^2/\text{NDF}: 1462454117.6/16$

Left Out: -0.557 ± 0.000 $\chi^2/\text{NDF}: 7582641295.2/13$

Right Out: -0.482 ± 0.000 $\chi^2/\text{NDF}: 2694625740.7/18$

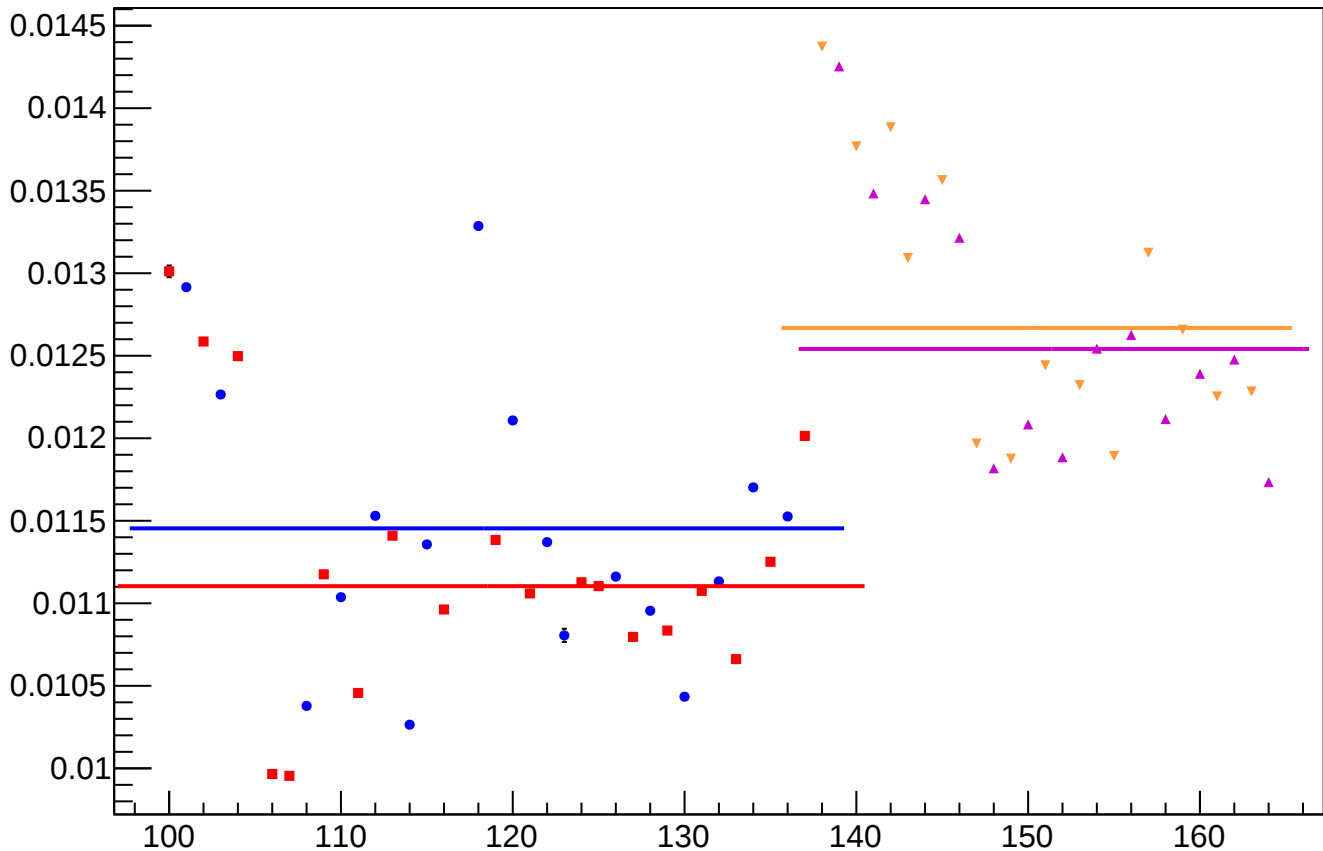
Left In: -0.517 ± 0.000 $\chi^2/\text{NDF}: 7090751535.7/12$

+ sign -0.504 ± 0.000 $\chi^2/\text{NDF}: 9436663829.2/30$

All: -0.502 ± 0.000 $\chi^2/\text{NDF}: 19260133357.1/31$

- sign -0.501 ± 0.000 $\chi^2/\text{NDF}: 9822688319.8/31$

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 : 67191.9/13

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

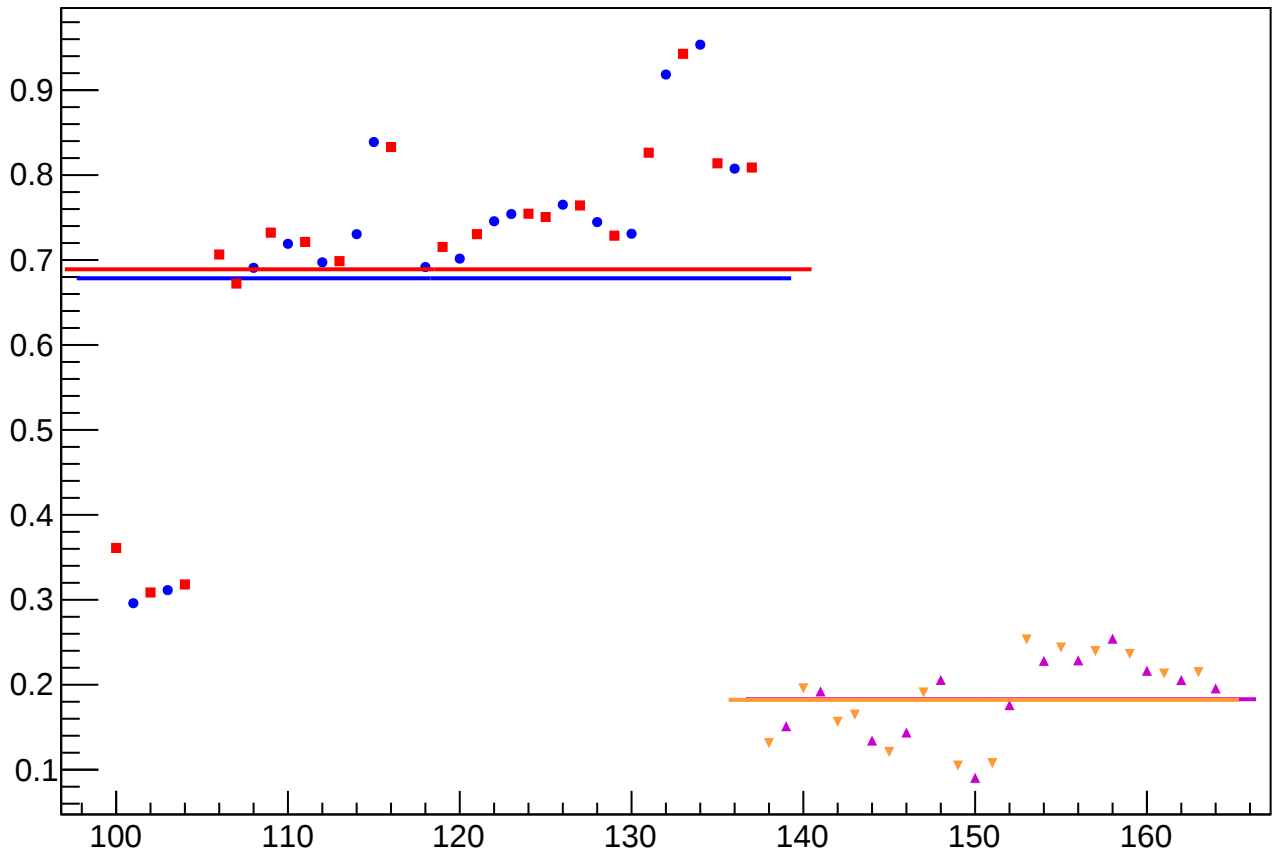
Left In: 0.013+/-0.000 χ^2/NDF : 58586.0/12

+ sign 0.012+/-0.000 χ^2/NDF : 212869.0/30

All: 0.012+/-0.000 χ^2/NDF : 458004.9/62

- sign 0.012+/-0.000 χ^2/NDF : 236681.6/31

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.182 $\pm$ 0.000 χ^2 /NDF: 5315386582.0/13

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

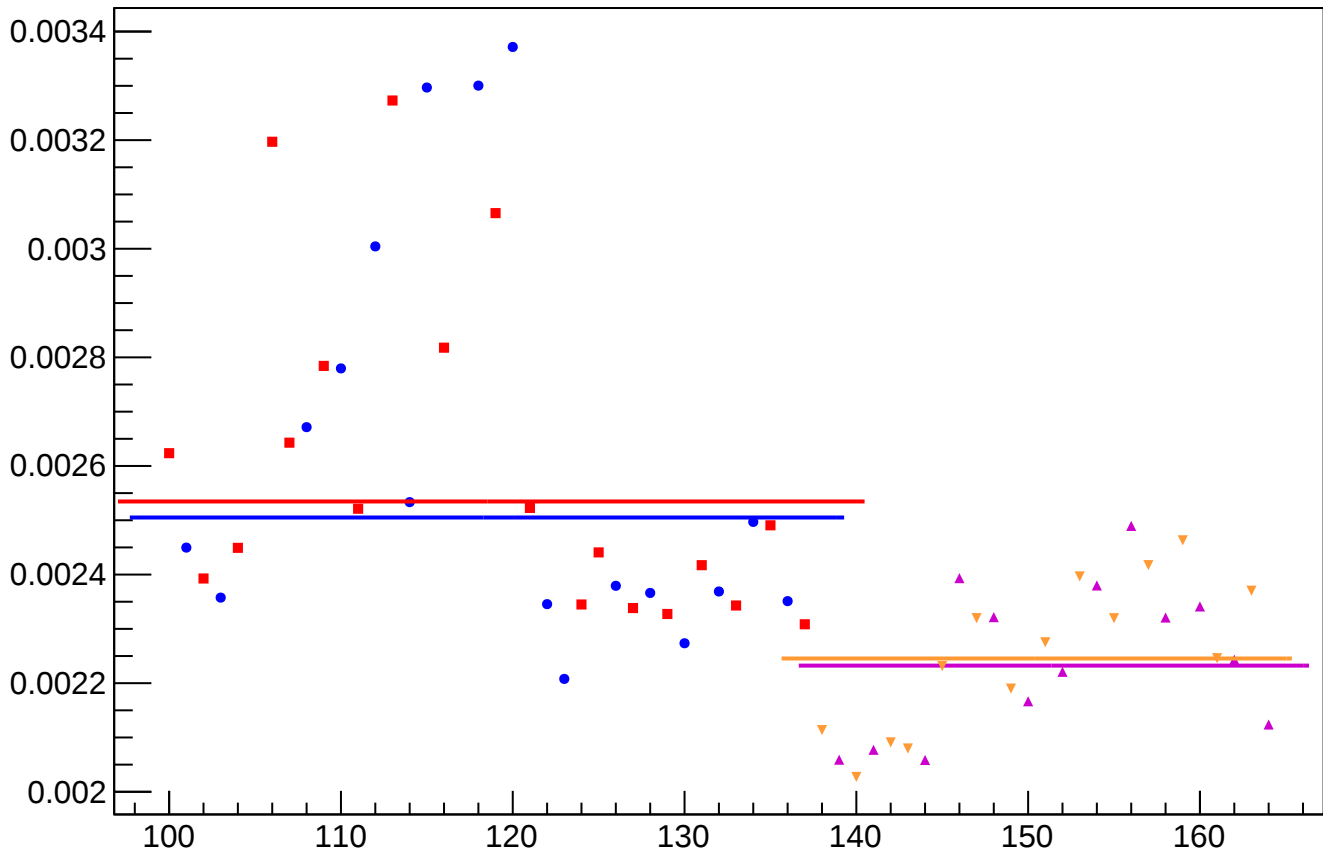
Left In: 0.183 $\pm$ 0.000 χ^2 /NDF: 4116467588.0/12

+ sign 0.347 $\pm$ 0.000 χ^2 /NDF: 211003085042.9/30

All: 0.350 $\pm$ 0.000 χ^2 /NDF: 427335897622.6

- sign 0.354 $\pm$ 0.000 χ^2 /NDF: 216243871938.4/31

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 : 72435.6/13

Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

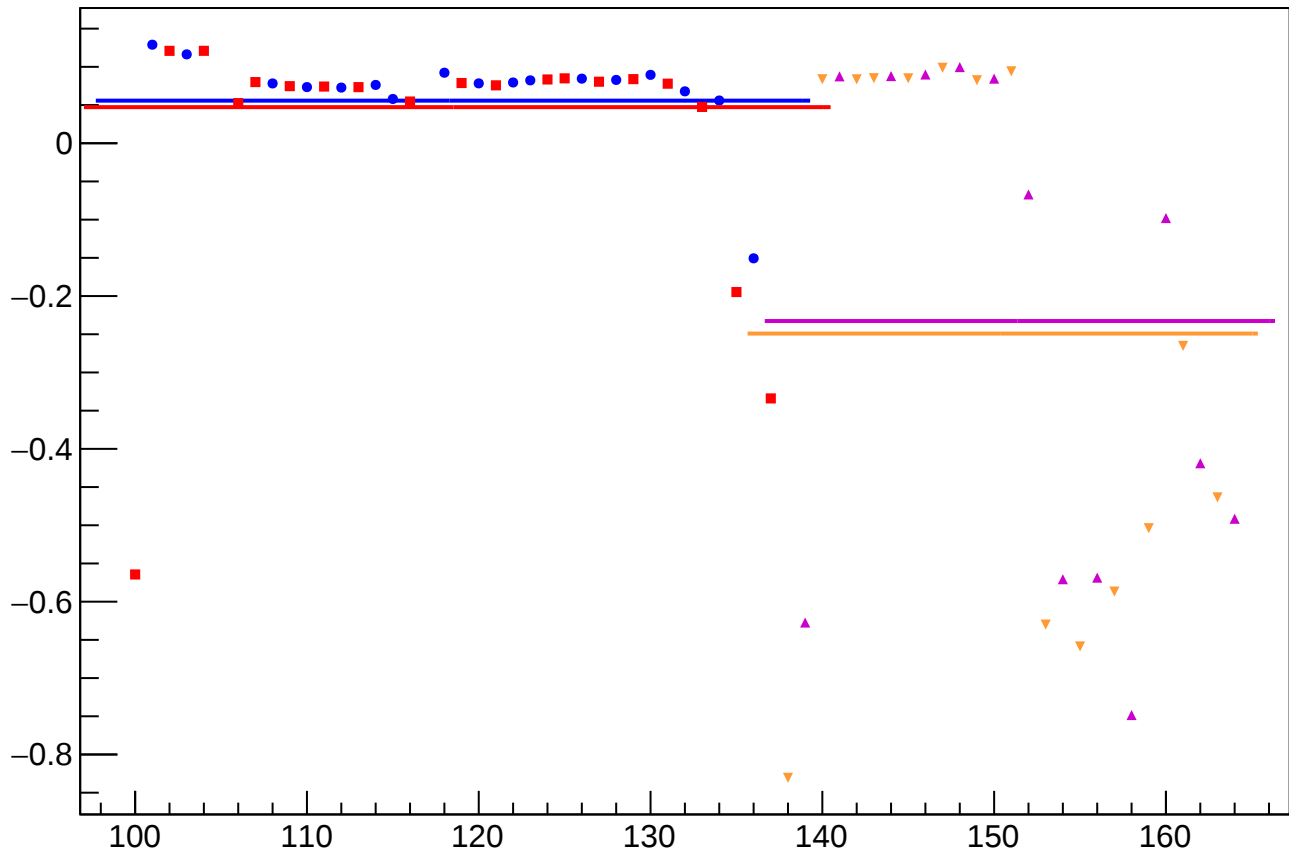
Left In: 0.002+/-0.000 χ^2/NDF : 74099.4/12

+ sign 0.002+/-0.000 χ^2/NDF : 339495.7/30

All: 0.002+/-0.000 χ^2/NDF : 671340.7/62

- sign 0.002+/-0.000 χ^2/NDF : 331814.1/31

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.249+/-0.000 χ^2/NDF : 8682965430.0/13

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

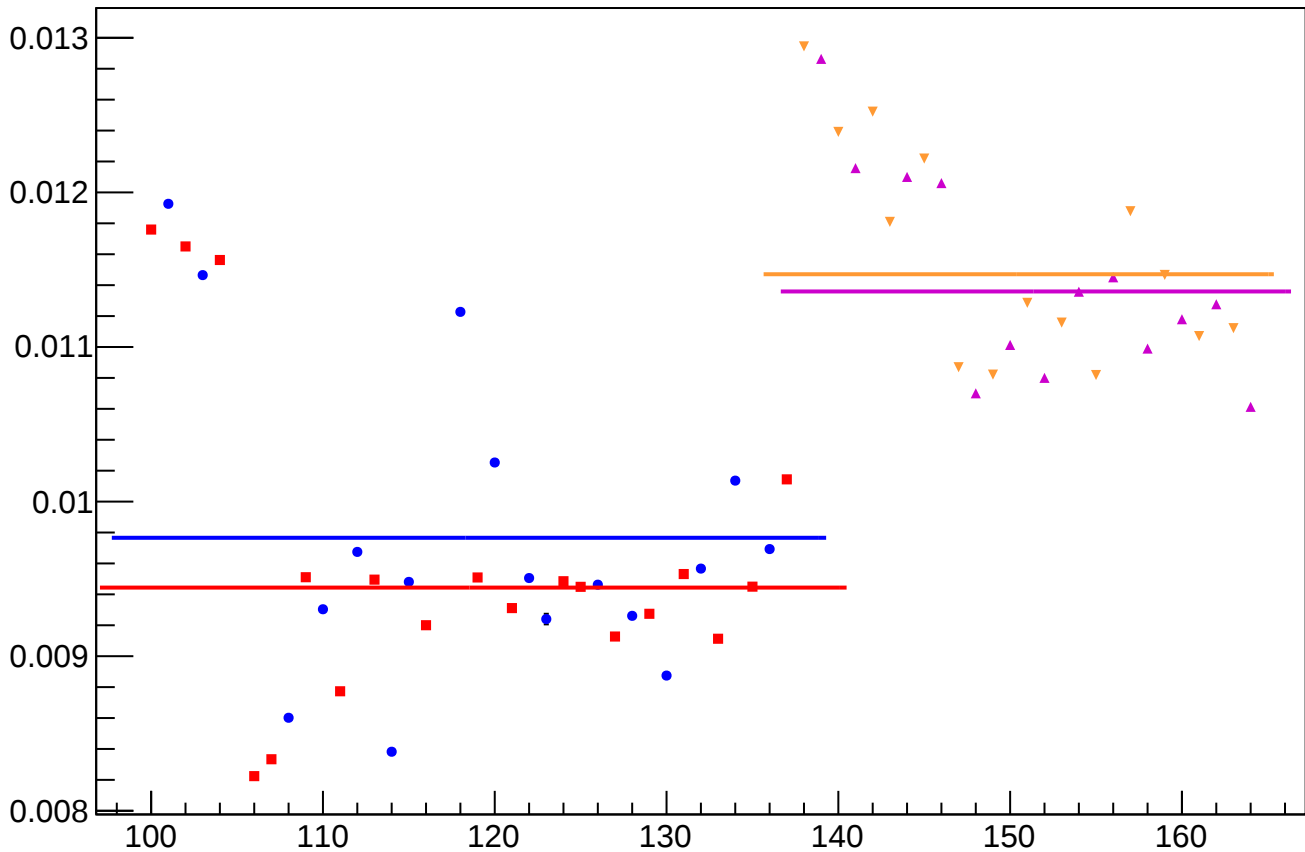
Left In: -0.233+/-0.000 χ^2/NDF : 7668025210.4/12

+ sign -0.105+/-0.000 χ^2/NDF : 12420010183.9/30

All: -0.098+/-0.000 χ^2/NDF : 23923709317.1/31

- sign -0.091+/-0.000 χ^2/NDF : 11489046265.7/31

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116638.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:60162.5/13

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 110693.8/18

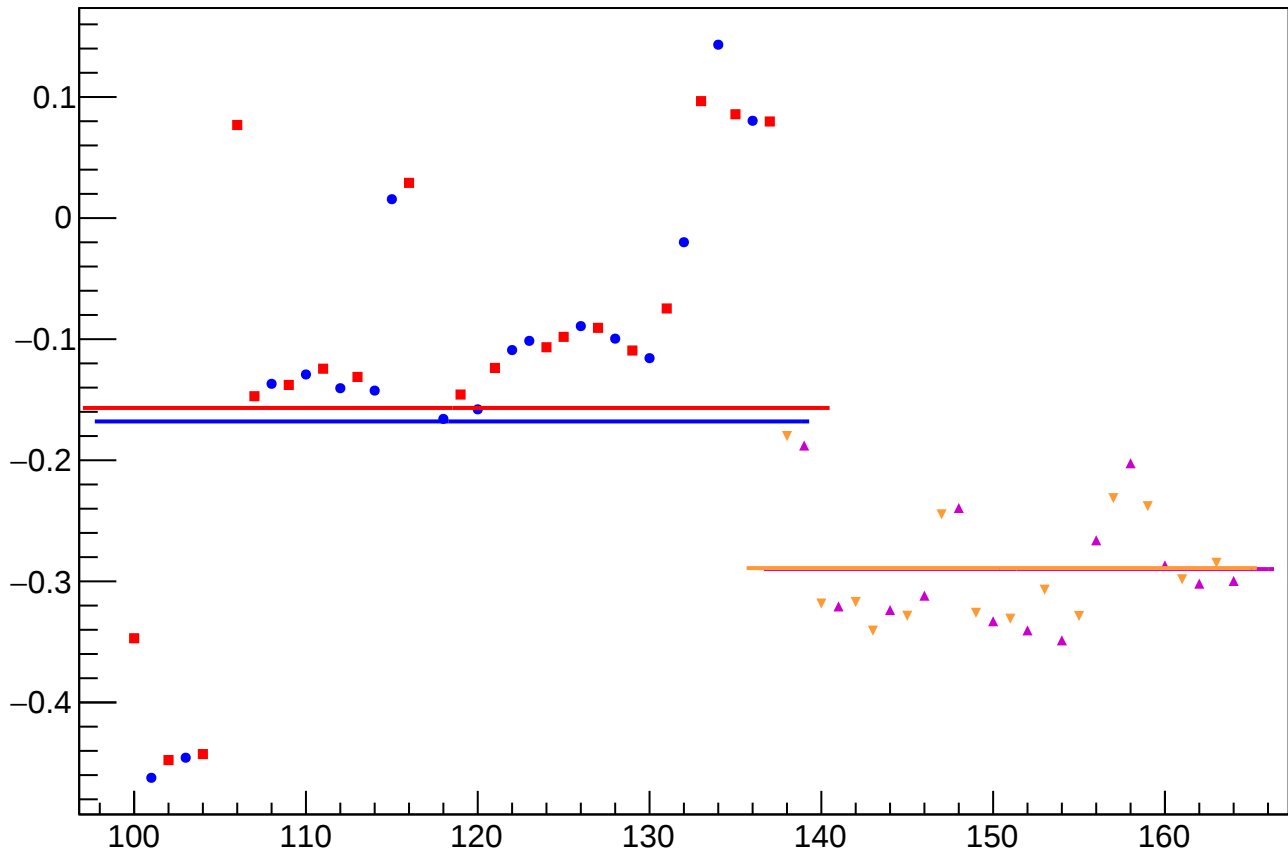
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:55620.5/12

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 384113.2/30

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 842734.7/62

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 447416.5/31

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 : 2668726913.7/13

Right Out: -0.157 ± 0.000 χ^2/NDF : 11026962470.3/18

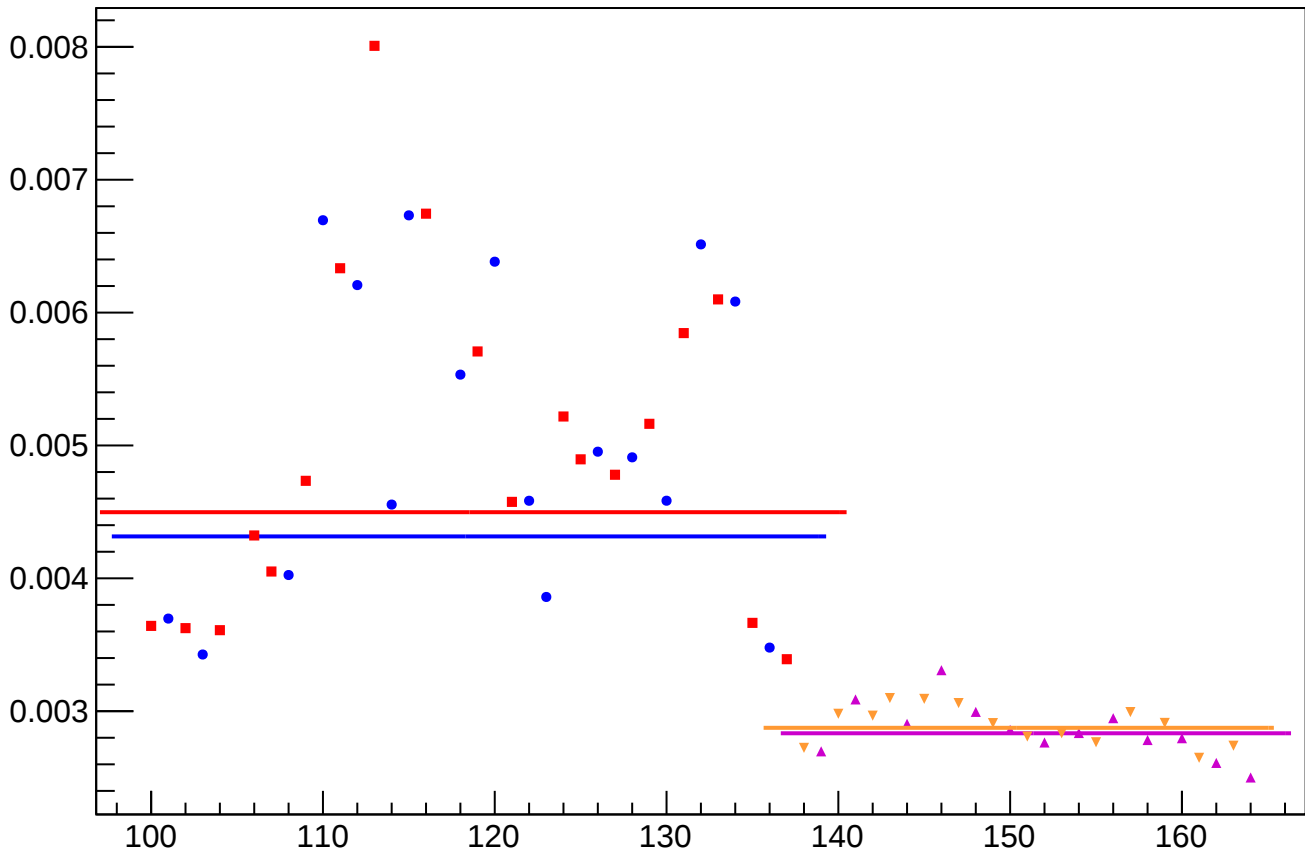
Left In: -0.290 ± 0.000 χ^2/NDF : 3061657148.7/12

+ sign -0.264 ± 0.000 χ^2/NDF : 18634434350.2/30

All: -0.264 ± 0.000 χ^2/NDF : 37072540402.1/31

- sign -0.263 ± 0.000 χ^2/NDF : 18437235356.7/31

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: 46752.3/13

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 649708.4/18

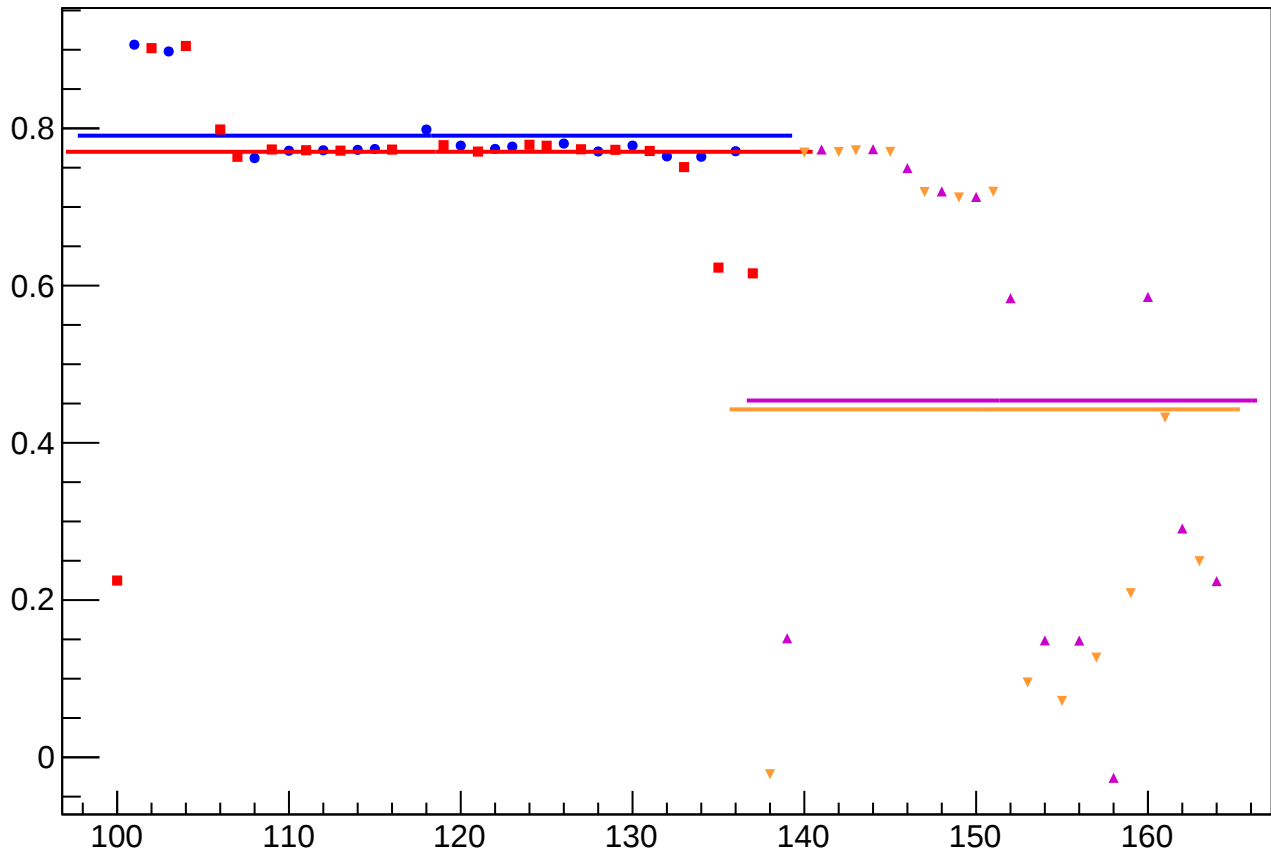
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 84198.0/12

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1694638.0/30

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3788334.4/62

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2093688.6/31

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF: 7206441891.4/13

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

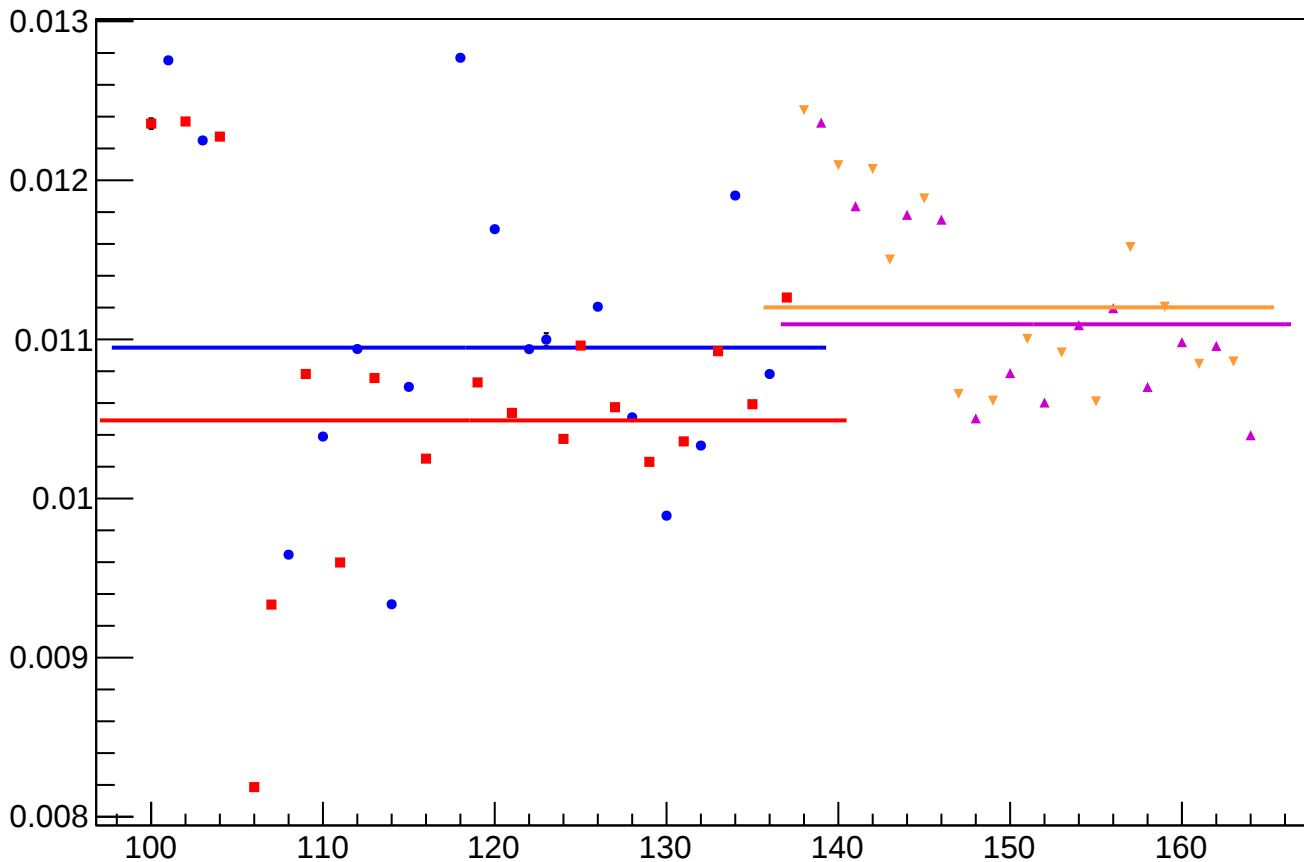
Left In: 0.454 $\pm$ 0.000 χ^2 /NDF: 6498993842.6/12

+ sign 0.583 $\pm$ 0.000 χ^2 /NDF: 11208054955.5/30

All: 0.588 $\pm$ 0.000 χ^2 /NDF: 21608063259.9/6

- sign 0.593 $\pm$ 0.000 χ^2 /NDF: 10392801740.5/31

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98551.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 51107.9/13

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 119420.8/18

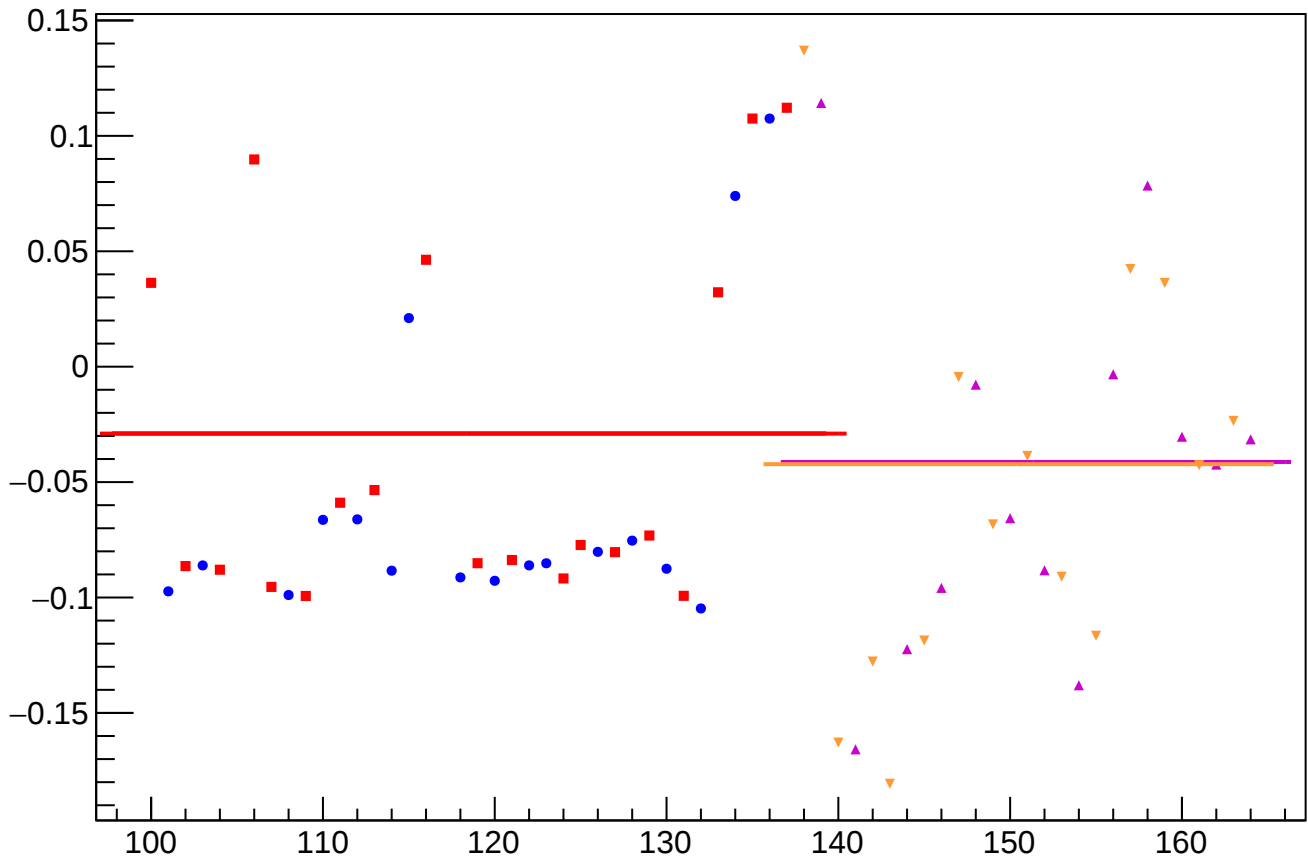
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 47968.8/12

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 153781.4/30

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 356903.4/62

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 193049.3/31

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.042+/-0.000 χ^2/NDF : 6631494802.4/13

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

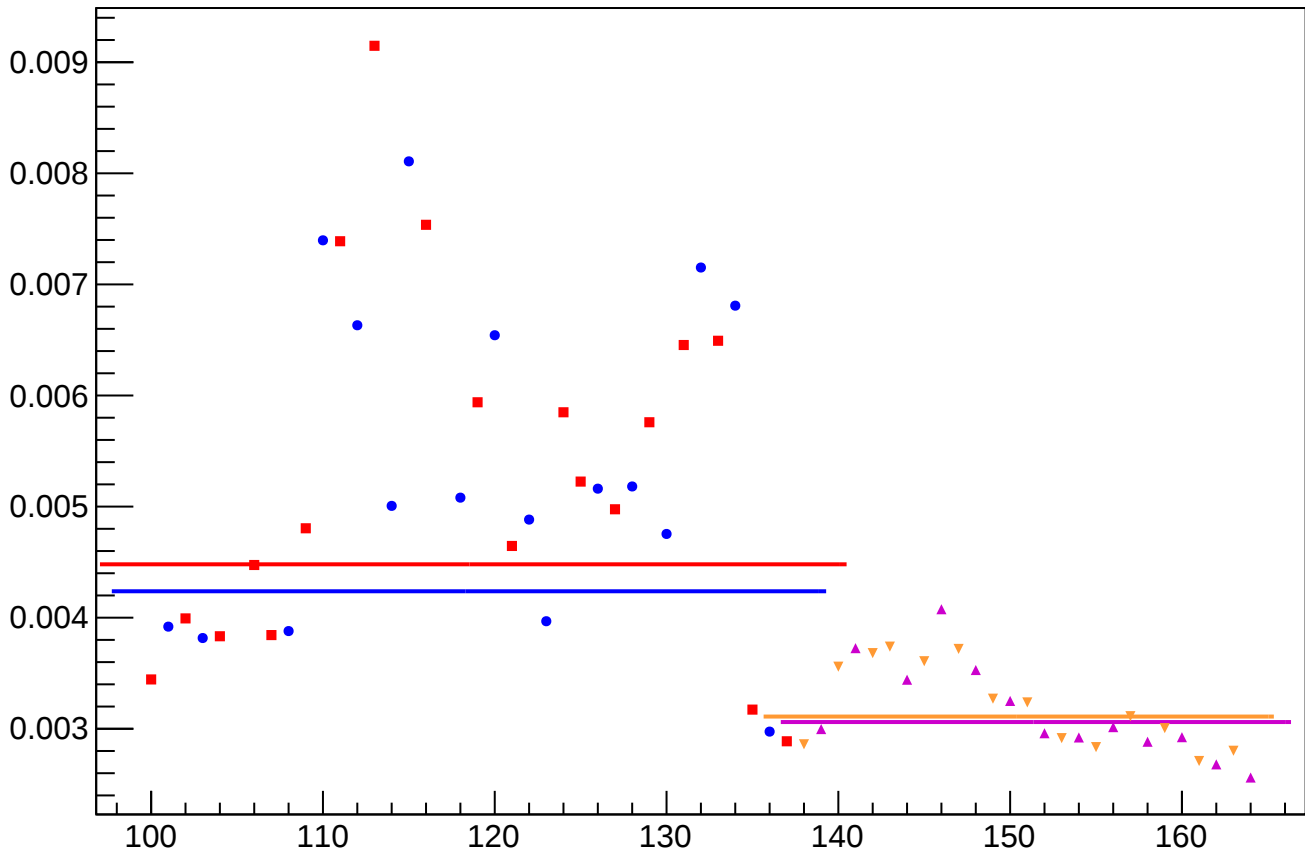
Left In: -0.041+/-0.000 χ^2/NDF : 5832184242.8/12

+ sign -0.039+/-0.000 χ^2/NDF : 9118752572.1/30

All: -0.039+/-0.000 χ^2/NDF : 17098624977.1/31

- sign -0.039+/-0.000 χ^2/NDF : 7979641507.6/31

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003+/-0.000 χ^2/NDF :227482.2/13

Right Out: 0.004+/-0.000 χ^2/NDF : 984186.1/18

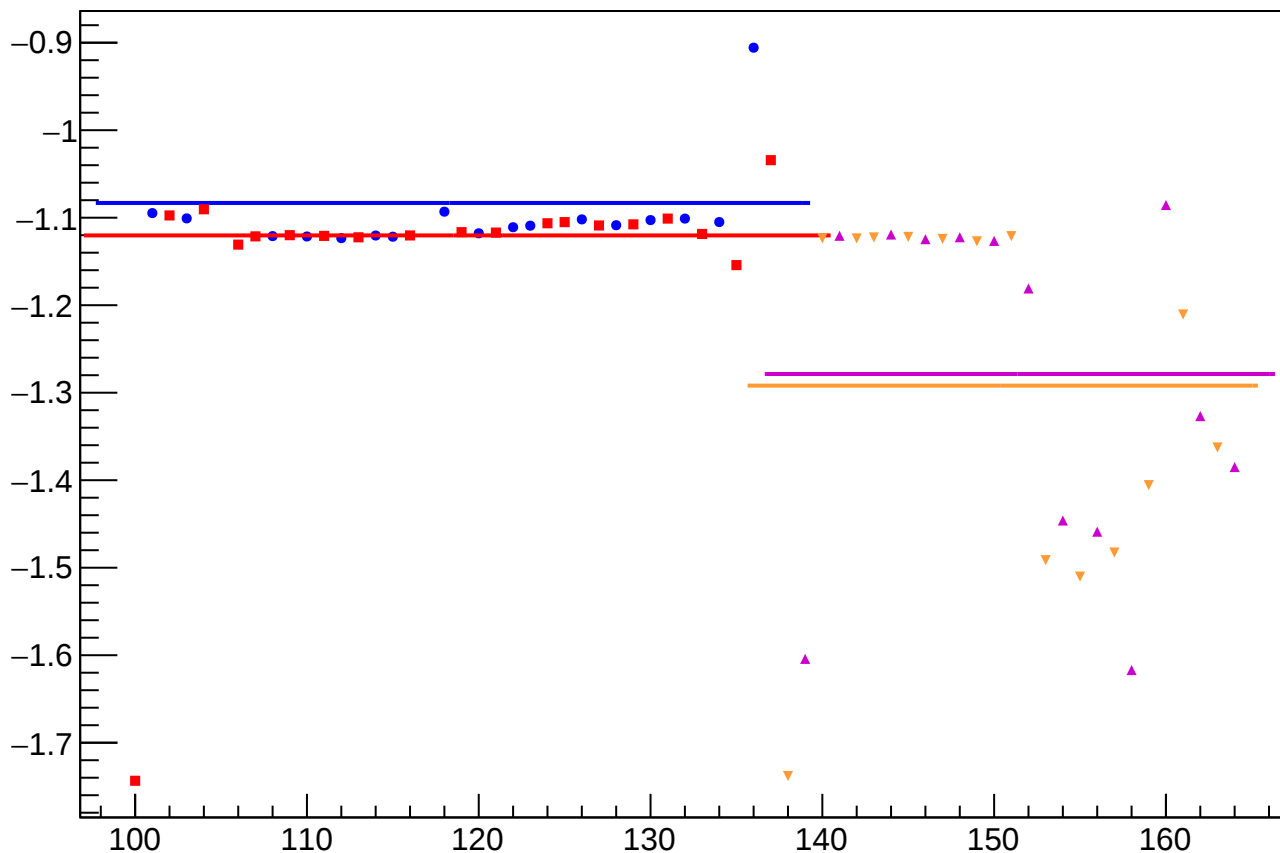
Left In: 0.003+/-0.000 χ^2/NDF :271385.7/12

+ sign 0.003+/-0.000 χ^2/NDF : 1702530.2/30

All: 0.003+/-0.000 χ^2/NDF : 3869773.2/62

- sign 0.003+/-0.000 χ^2/NDF : 2167226.1/31

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2 /NDF: 202920901.6/16

Left Out: -1.292+/-0.000 χ^2 /NDF: 3592012642.0/13

Right Out: -1.120+/-0.000 χ^2 /NDF: 220571280.7/18

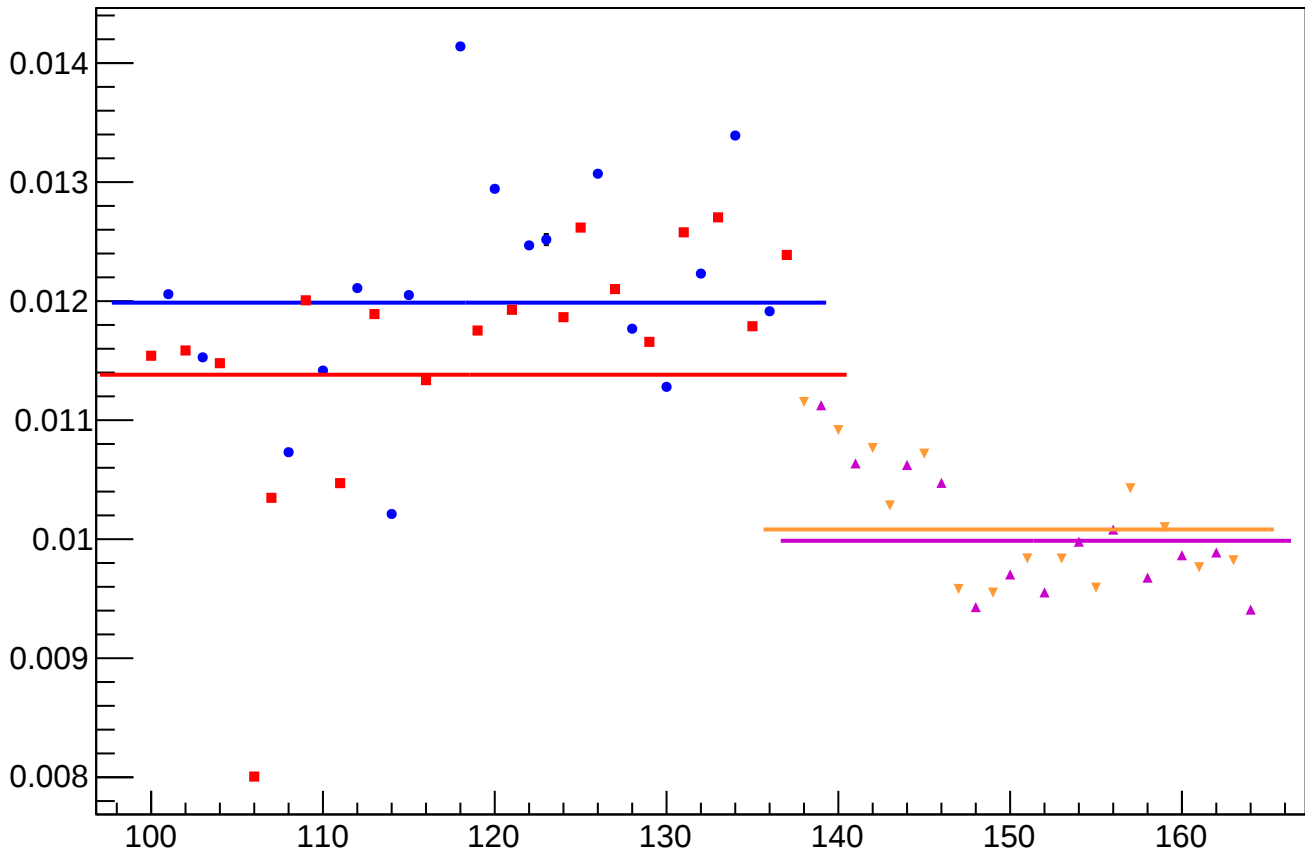
Left In: -1.279+/-0.000 χ^2 /NDF: 3432530802.1/12

+ sign -1.227+/-0.000 χ^2 /NDF: 5139577518.1/30

All: -1.225+/-0.000 χ^2 /NDF: 9658714212.7/6

- sign -1.224+/-0.000 χ^2 /NDF: 4518312231.1/31

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 60402.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 49469.0/13

Right Out: 0.011+/-0.000 χ^2/NDF : 154529.8/18

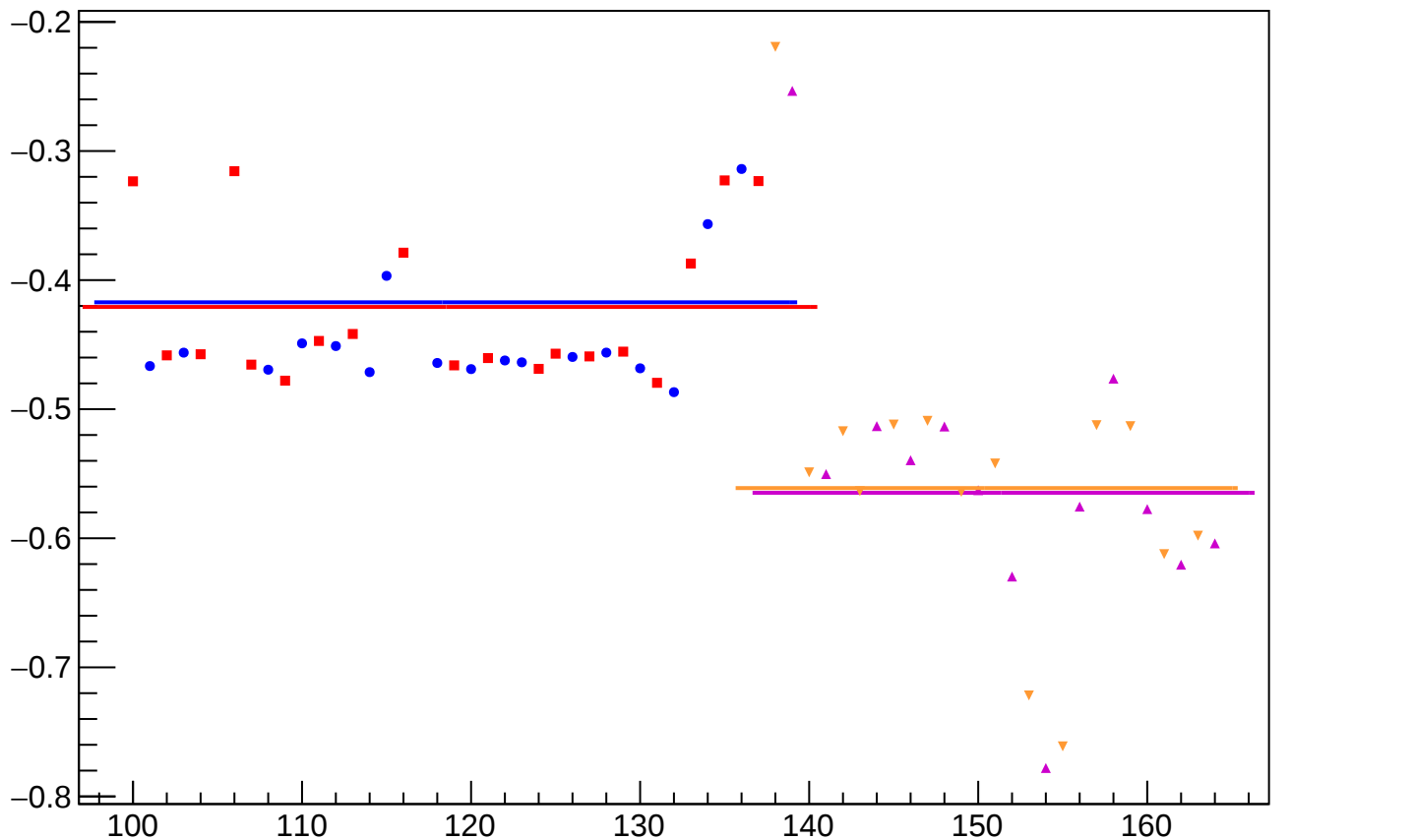
Left In: 0.010+/-0.000 χ^2/NDF : 45808.2/12

+ sign 0.011+/-0.000 χ^2/NDF : 333979.4/30

All: 0.011+/-0.000 χ^2/NDF : 674675.9/62

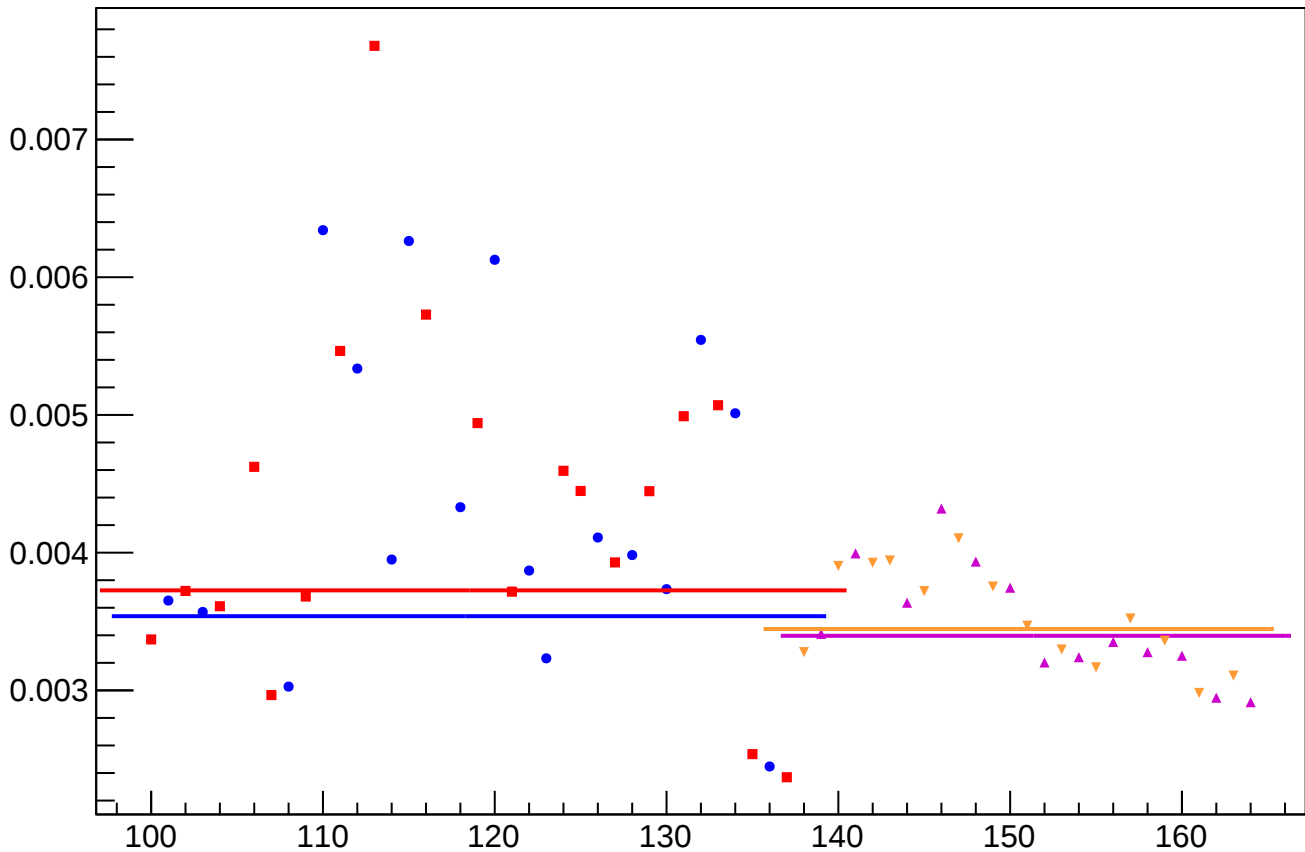
- sign 0.010+/-0.000 χ^2/NDF : 334583.4/31

yield_bpm0l10Y_mean vs Slug



Right In: -0.417 ± 0.000 χ^2/NDF : 2039045143.8/16
 Left Out: -0.561 ± 0.000 χ^2/NDF : 12960828155.8/13
 Right Out: -0.421 ± 0.000 χ^2/NDF : 1646463410.7/18
 Left In: -0.565 ± 0.000 χ^2/NDF : 10405294123.6/12
 + sign -0.511 ± 0.000 χ^2/NDF : 20858648529.8/30
 All: -0.513 ± 0.000 χ^2/NDF : 38697820809.1/31
 - sign -0.516 ± 0.000 χ^2/NDF : 17823966402.9/31

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:177705.4/13

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

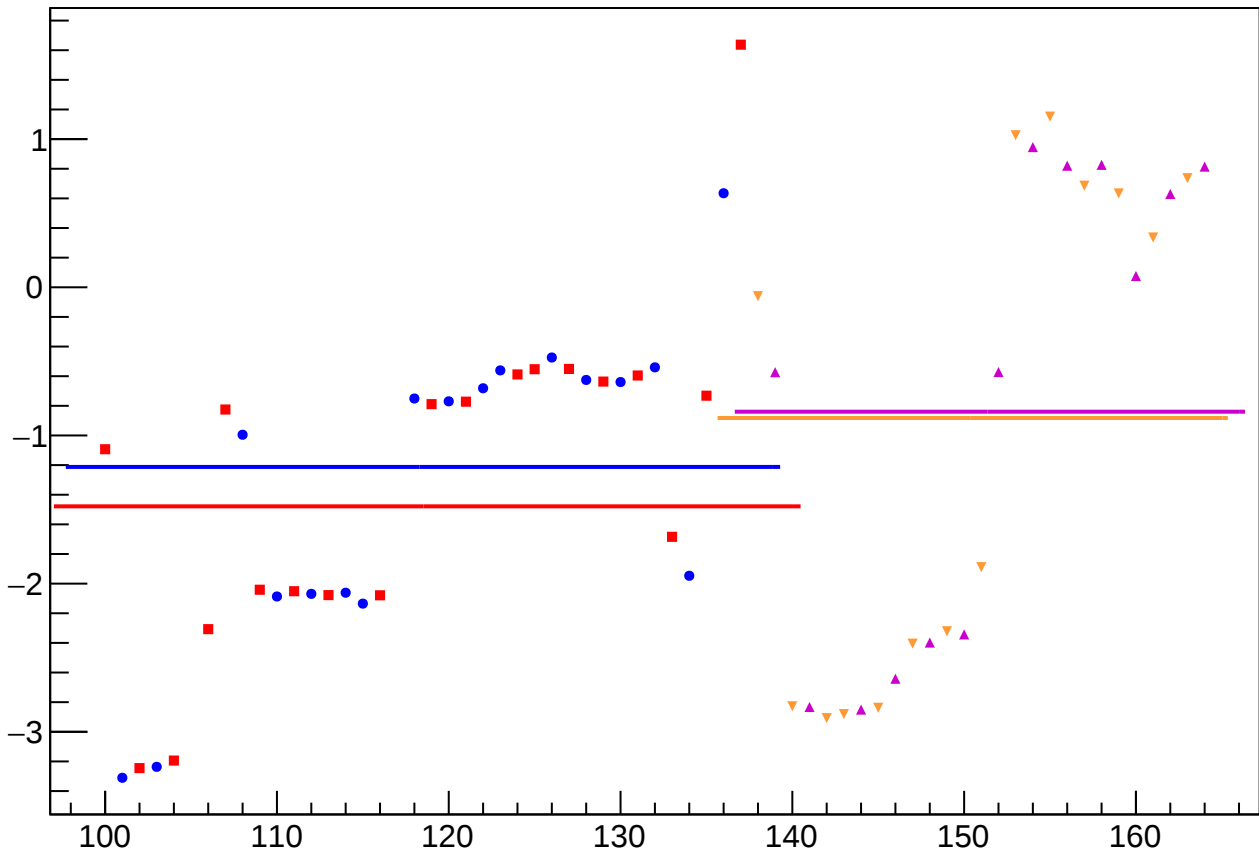
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:223628.1/12

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1018728.9/30

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2202519.3/62

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1182654.7/31

yield_bpm0r03X_mean vs Slug



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -0.882+/-0.000 χ^2/NDF : 4822558074.0/13

Right Out: -1.478+/-0.000 χ^2/NDF : 1578264383.8/18

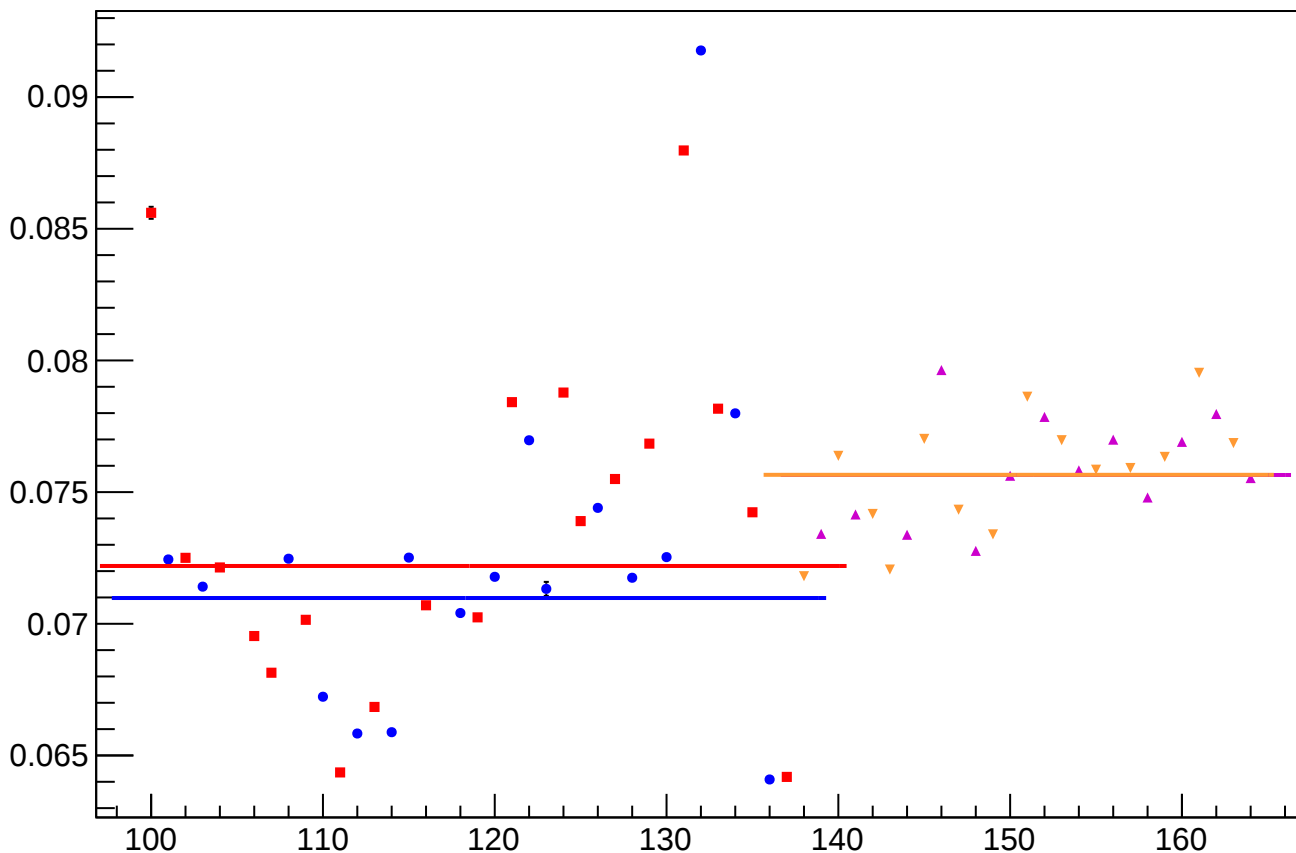
Left In: -0.840+/-0.000 χ^2/NDF : 4200057566.3/12

+ sign -1.021+/-0.000 χ^2/NDF : 6897975962.8/30

All: -1.068+/-0.000 χ^2/NDF : 12999912517.9

- sign -1.115+/-0.000 χ^2/NDF : 6088176740.0/31

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 : 17264.3/13

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

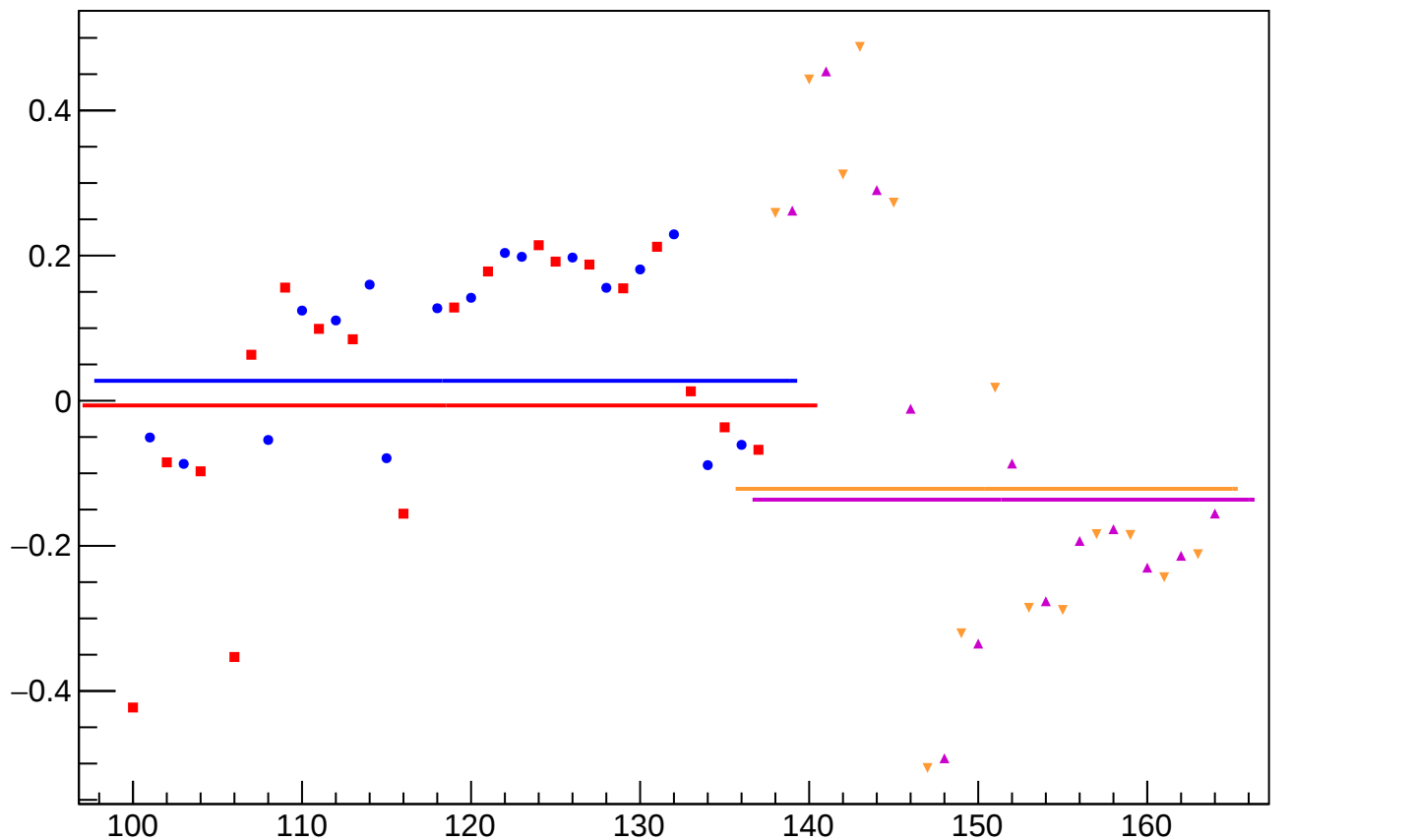
Left In: 0.076+/-0.000 χ^2/NDF : 13449.1/12

+ sign 0.074+/-0.000 χ^2/NDF : 127964.9/30

All: 0.074+/-0.000 χ^2/NDF : 233457.6/62

- sign 0.074+/-0.000 χ^2/NDF : 104810.4/31

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.121+/-0.000 χ^2/NDF : 13678234110.5/13

Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

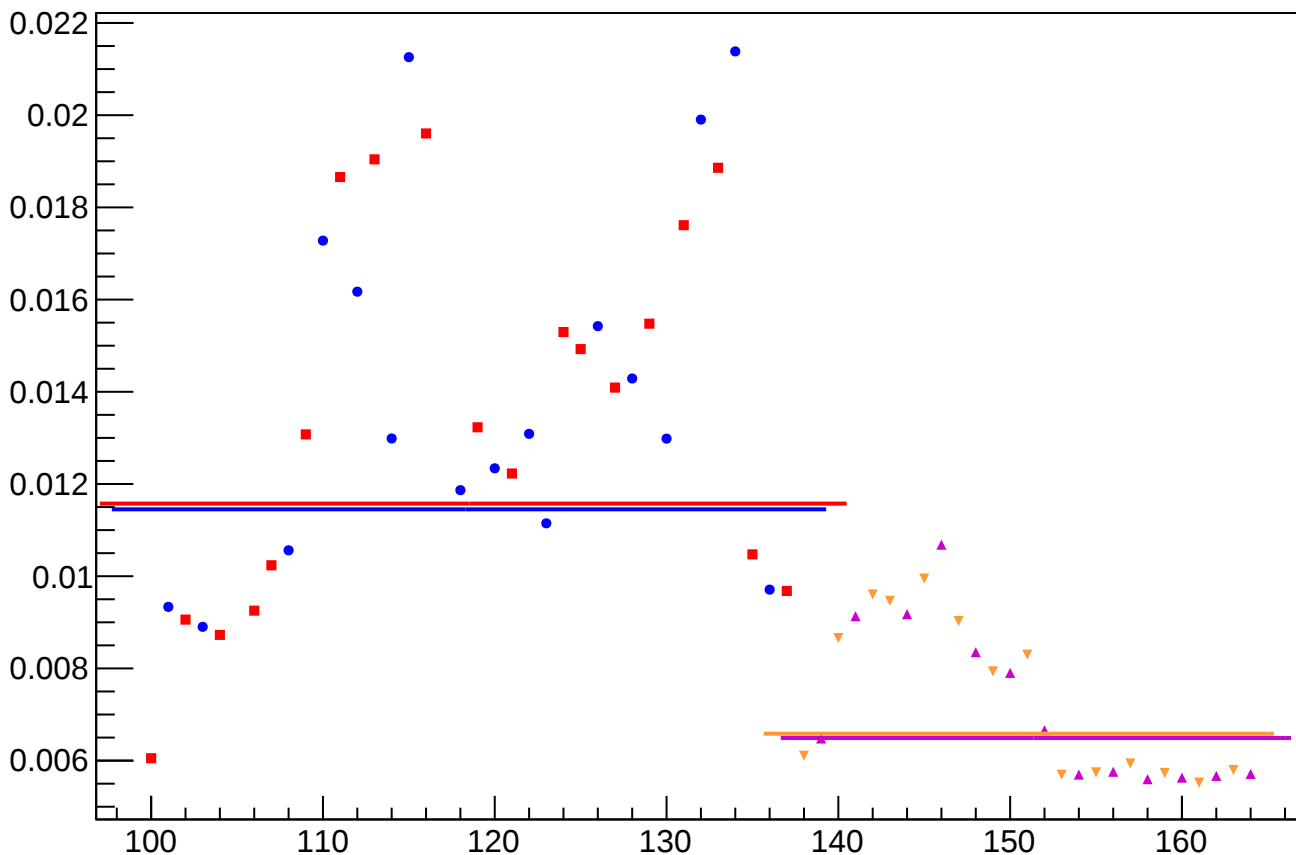
Left In: -0.136+/-0.000 χ^2/NDF : 10204014022.9/12

+ sign -0.096+/-0.000 χ^2/NDF : 15048561393.9/30

All: -0.106+/-0.000 χ^2/NDF : 27117341132.1/31

- sign -0.115+/-0.000 χ^2/NDF : 12024962341.1/31

yield_bpm0r03Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :843802.3/13

Right Out: 0.012+/-0.000 χ^2/NDF : 997161.1/18

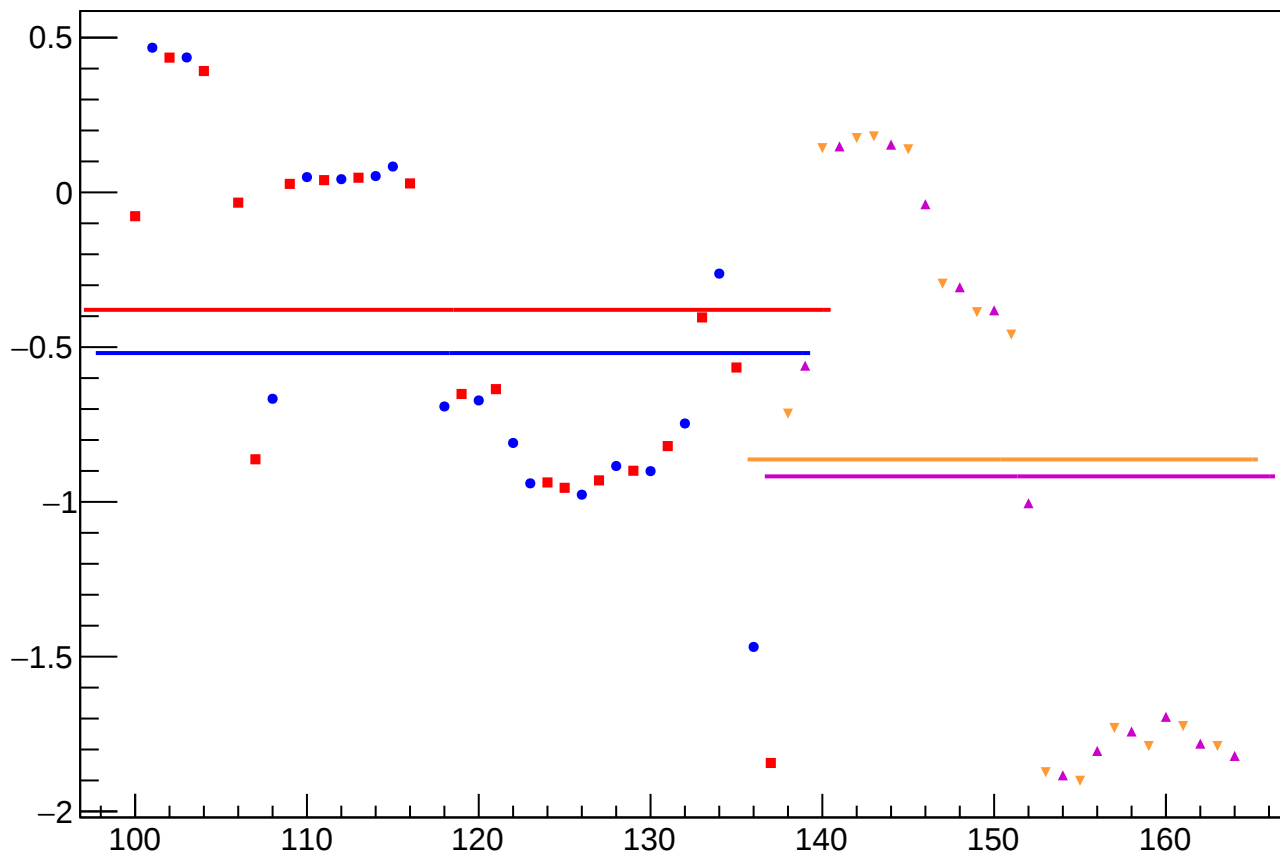
Left In: 0.006+/-0.000 χ^2/NDF :777967.6/12

+ sign 0.007+/-0.000 χ^2/NDF : 3249844.2/30

All: 0.007+/-0.000 χ^2/NDF : 6932866.8/62

- sign 0.007+/-0.000 χ^2/NDF : 3681984.5/31

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.863 ± 0.000 χ^2/NDF : 952249441.2/13

Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

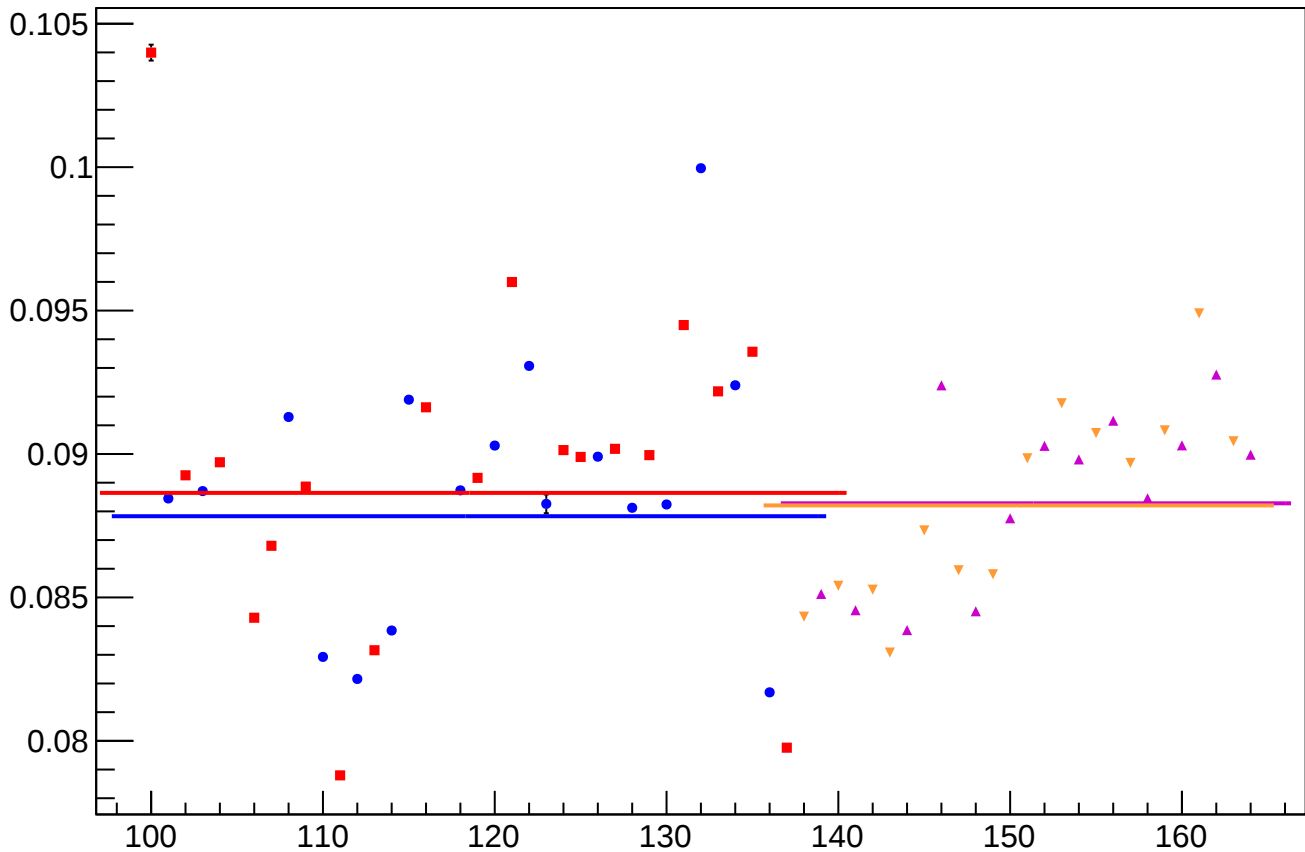
Left In: -0.918 ± 0.000 χ^2/NDF : 855517538.9/12

+ sign -0.728 ± 0.000 χ^2/NDF : 1353860928.9/30

All: -0.713 ± 0.000 χ^2/NDF : 2633736803.0/6

- sign -0.698 ± 0.000 χ^2/NDF : 1278882098.5/31

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34954.4/16

Left Out: 0.088 $\pm$ 0.000 χ^2 /NDF:27988.5/13

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39722.9/18

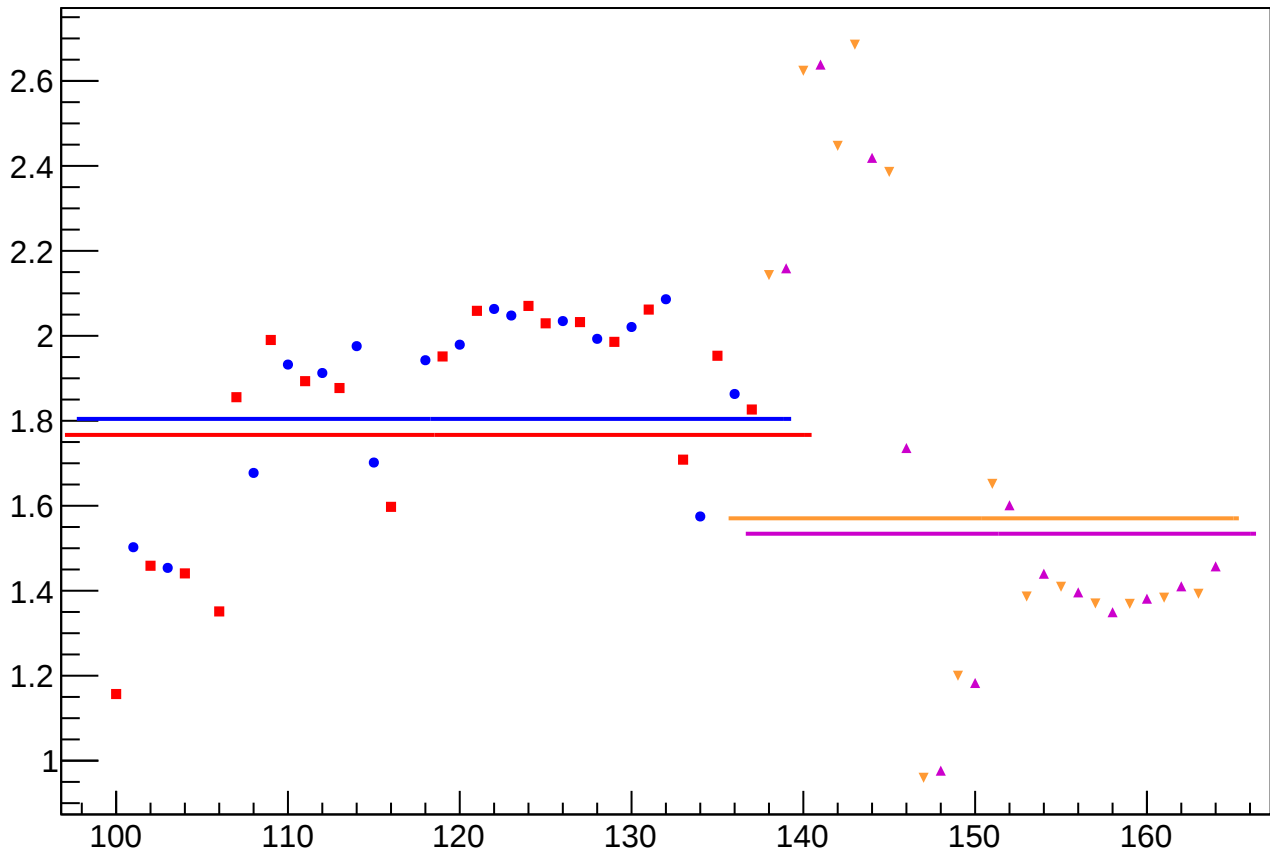
Left In: 0.088 $\pm$ 0.000 χ^2 /NDF:23833.9/12

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 63092.3/30

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 127091.9/62

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 63698.2/31

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.570 $\pm$ 0.000 χ^2 /NDF: 23022528379.3/13

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

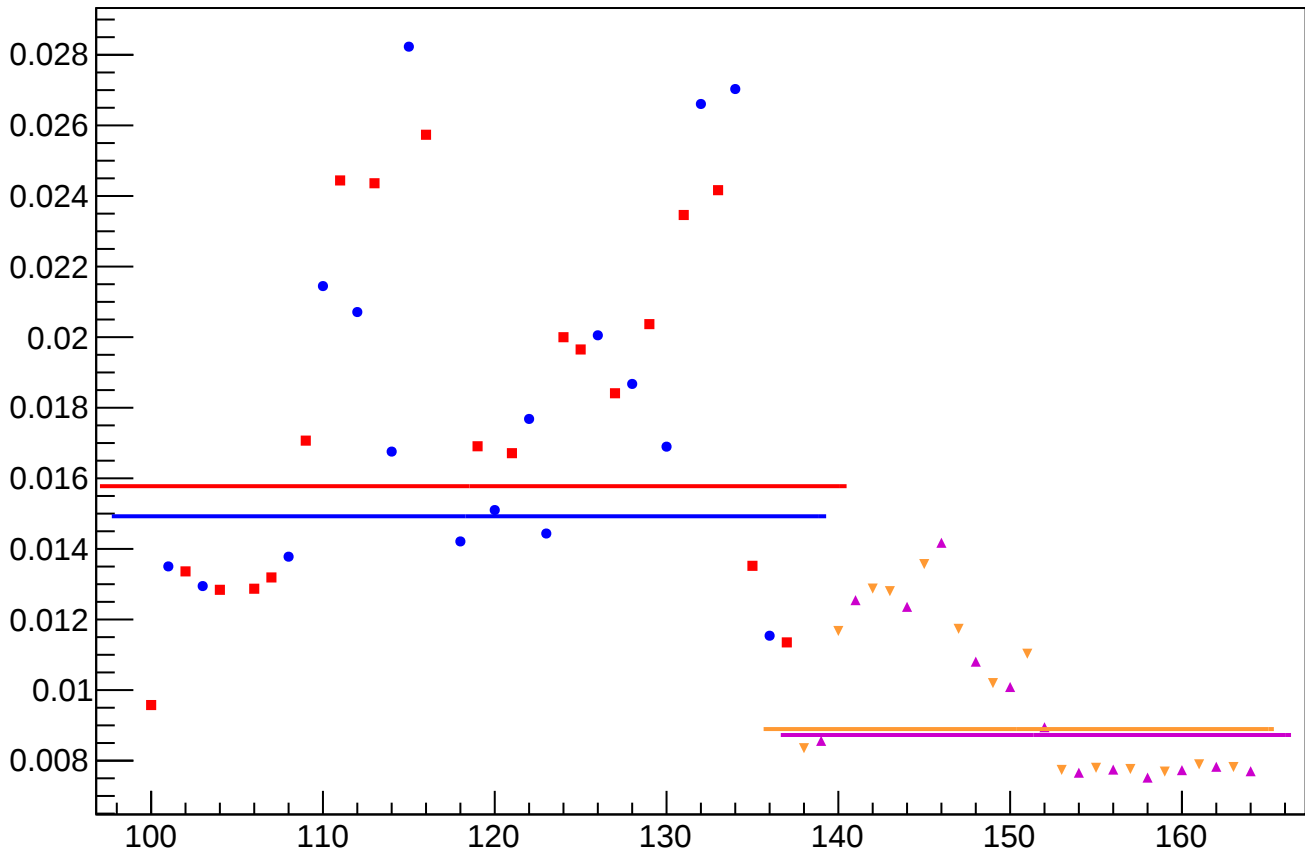
Left In: 1.534 $\pm$ 0.000 χ^2 /NDF: 17869355457.0/12

+ sign 1.612 $\pm$ 0.000 χ^2 /NDF: 25344465639.2/30

All: 1.592 $\pm$ 0.000 χ^2 /NDF: 46133803979.7/6

- sign 1.572 $\pm$ 0.000 χ^2 /NDF: 20675140371.8/31

yield_bpm0r05Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 643651.9/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:782684.1/13

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 786107.1/18

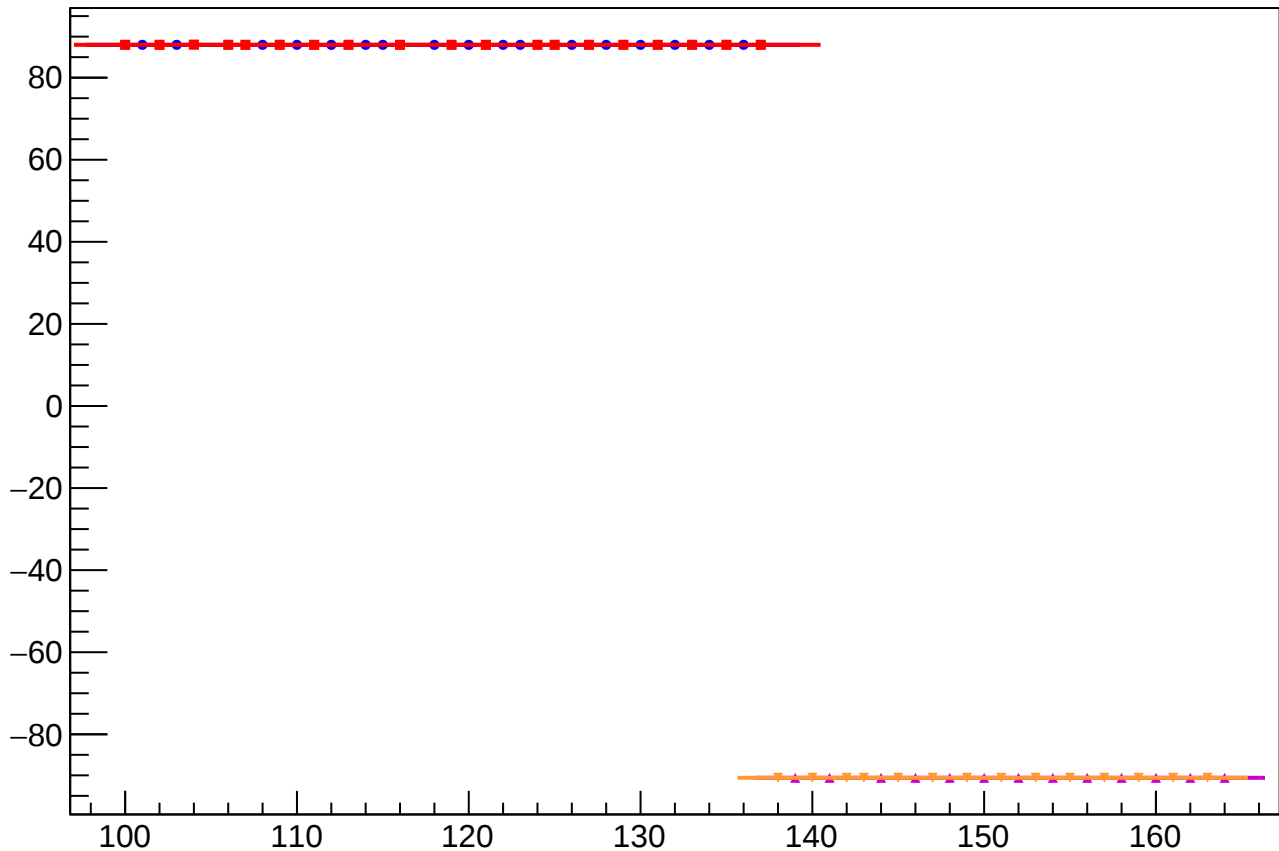
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:723910.4/12

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2973186.6/30

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 6498751.1/62

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3524726.4/31

epics_VWienAngles_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 1852068.7/16

Left Out: -90.599+/-0.000 χ^2/NDF : 3888112.4/13

Right Out: 88.004+/-0.000 χ^2/NDF : 77545892857504626270604886016.0/18

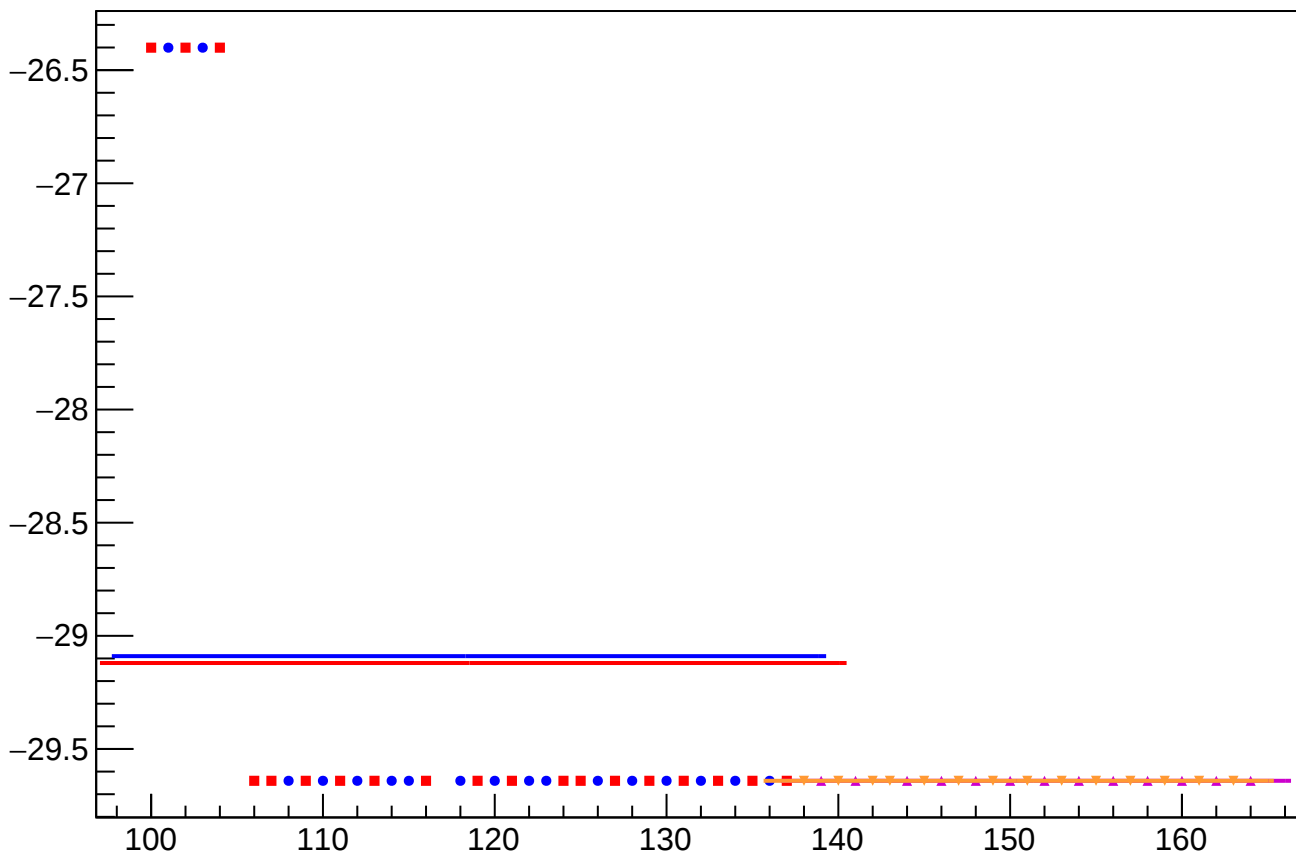
Left In: -90.599+/-0.000 χ^2/NDF : 2934916.0/12

+ sign -20.965+/-0.000 χ^2/NDF : 135061697104718

All: -19.620+/-0.000 χ^2/NDF : 272175776635

- sign -18.277+/-0.000 χ^2/NDF : 137049686058494

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 : 180933.1/13

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

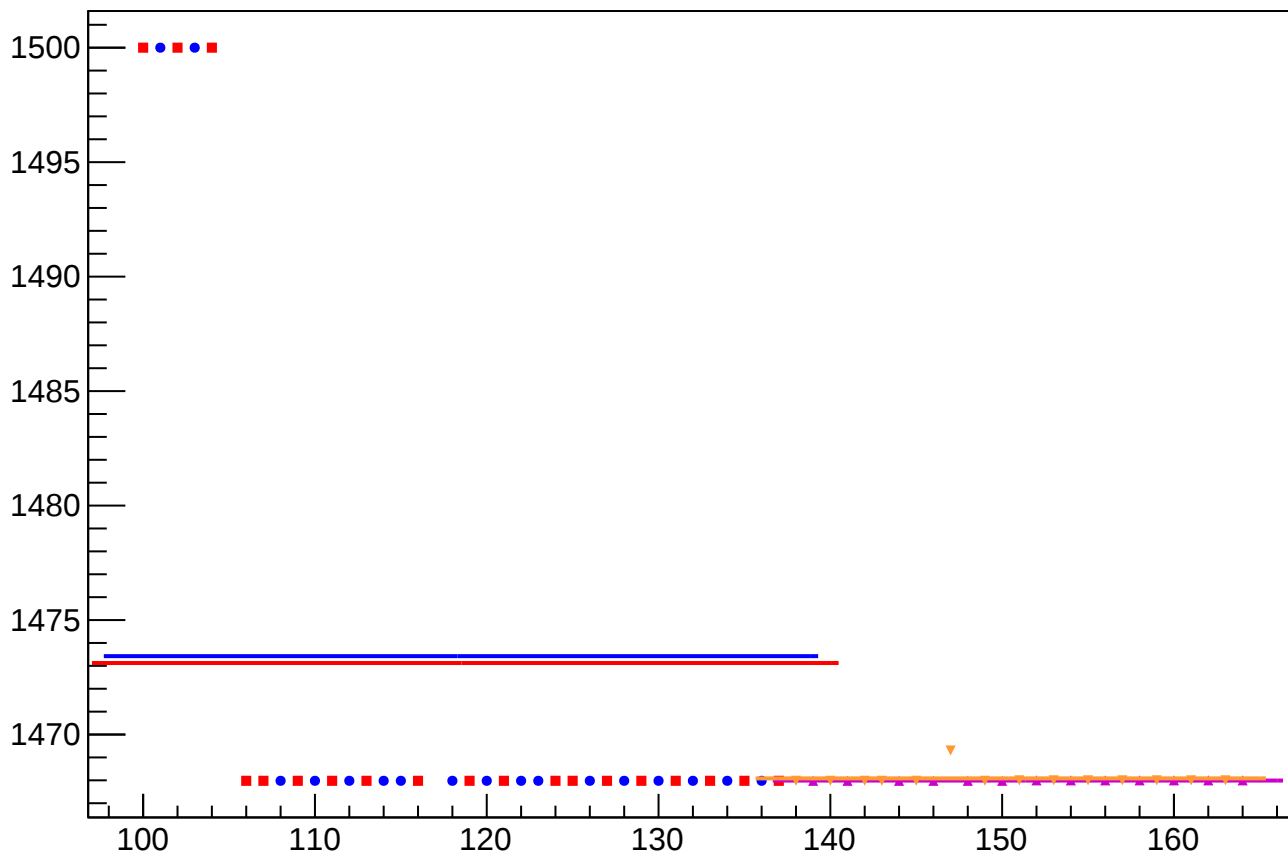
Left In: -29.641+/-0.000 χ^2/NDF : 88301.9/12

+ sign -29.426+/-0.000 χ^2/NDF : 115659961887639

All: -29.428+/-0.000 χ^2/NDF : 229511182531

- sign -29.430+/-0.000 χ^2/NDF : 1138497984969132

epics_psub_pl_poss_mean vs Slug



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.085+/-0.000 χ^2/NDF : 124513214684727570080253335306240.0/13

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18

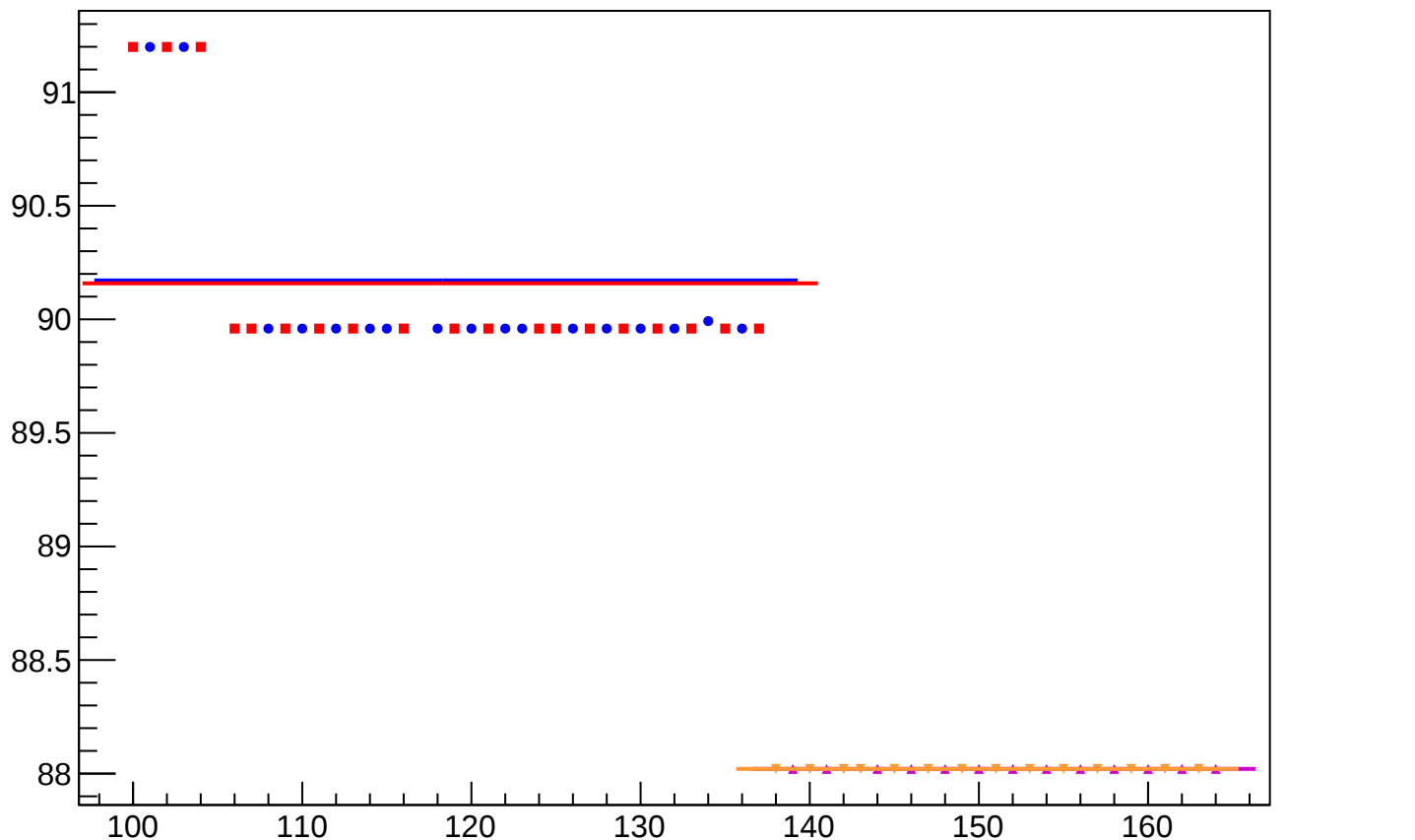
Left In: 1467.990+/-0.000 χ^2/NDF : 105771913263444913089585086464.0/12

+ sign 1470.166+/-0.000 χ^2/NDF : 11261575143375

All: 1470.118+/-0.000 χ^2/NDF : 22378239198

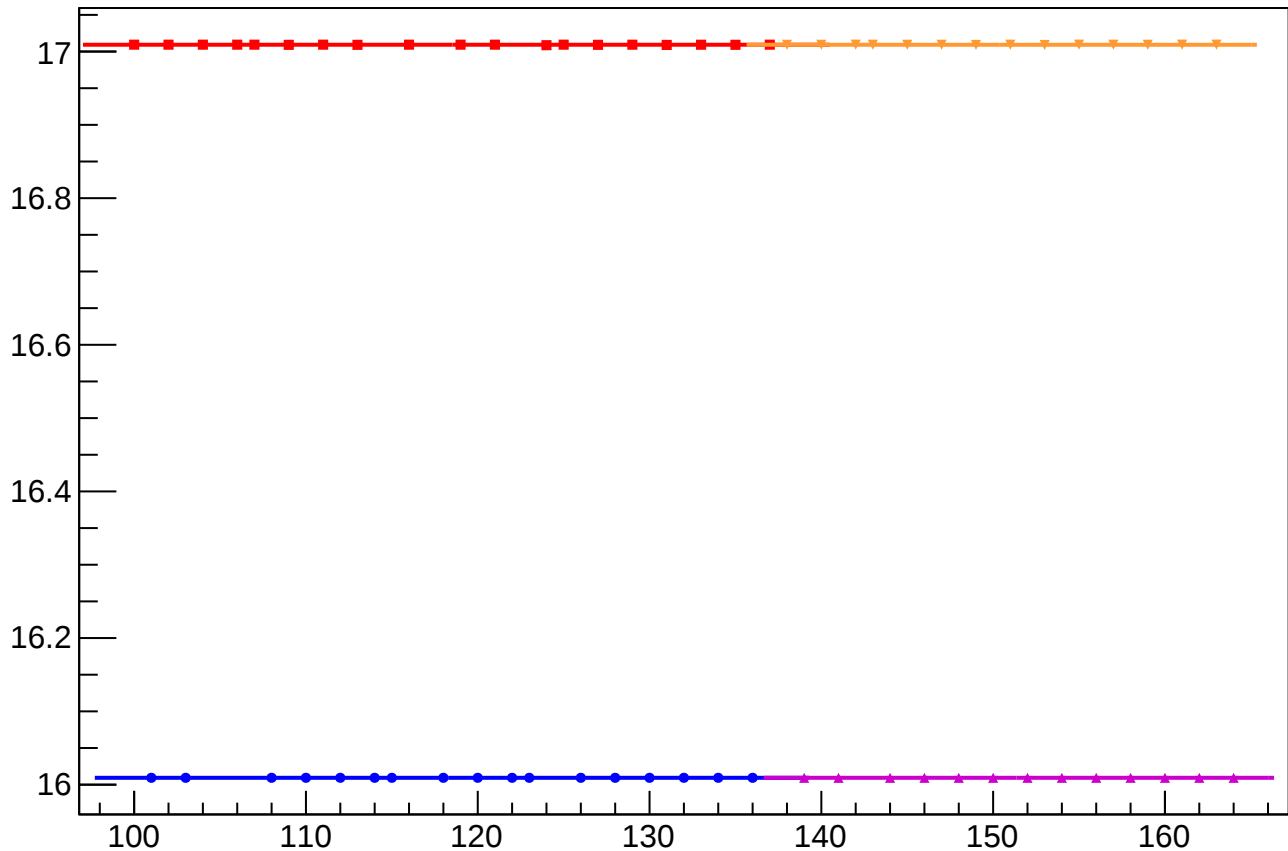
- sign 1470.069+/-0.000 χ^2/NDF : 11115816364463

epics_Phi_FGs_mean vs Slug



Right In: 90.171 $\pm$ 0.000 χ^2 /NDF: 150316905454500935857801185460224.0/16
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF:3150394.9/13
 Right Out: 90.159 $\pm$ 0.000 χ^2 /NDF: 149705165651000025160777180643328.0/18
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF:3025792.8/12
 + sign 88.859 $\pm$ 0.000 χ^2 /NDF: 2108348626371176
 All: 88.873 $\pm$ 0.000 χ^2 /NDF: 422226889798
 - sign 88.886 $\pm$ 0.000 χ^2 /NDF: 2113258710188369

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009 $\pm$ 0.000

χ^2/NDF : 13382504132305767798669312.0/13

+ sign 16.607 $\pm$ 0.000

χ^2/NDF : 3954871705589736

Right Out: 17.009 $\pm$ 0.000

χ^2/NDF : 12516014336037541461884928.0/18

All: 16.508 $\pm$ 0.000

χ^2/NDF : 8208043536660

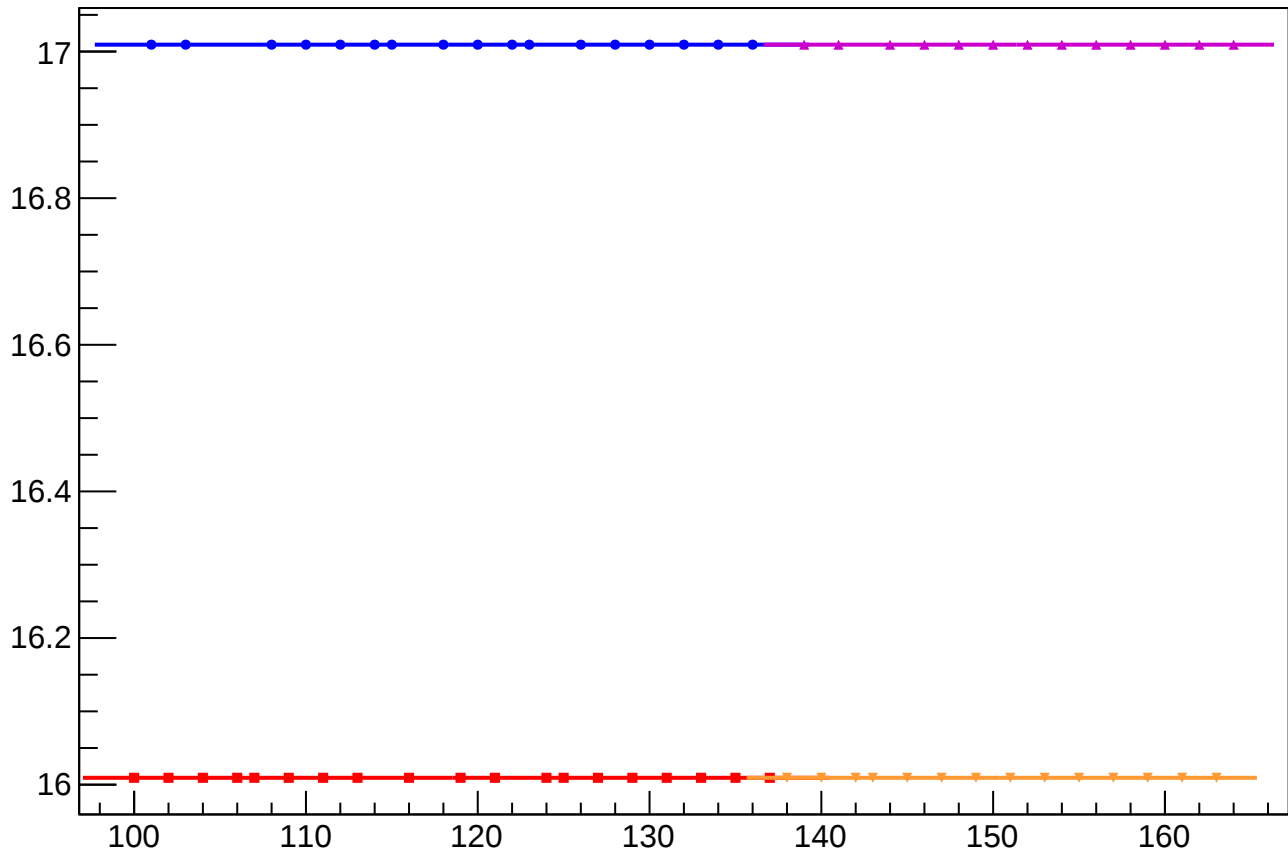
- sign 16.408 $\pm$ 0.000

χ^2/NDF : 3929670879032320

Left In: 16.009 $\pm$ 0.000

χ^2/NDF : 48808.4/12

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 40881.9/13

Right Out: 16.009 $\pm$ 0.000 χ^2/NDF : 39518.8/18

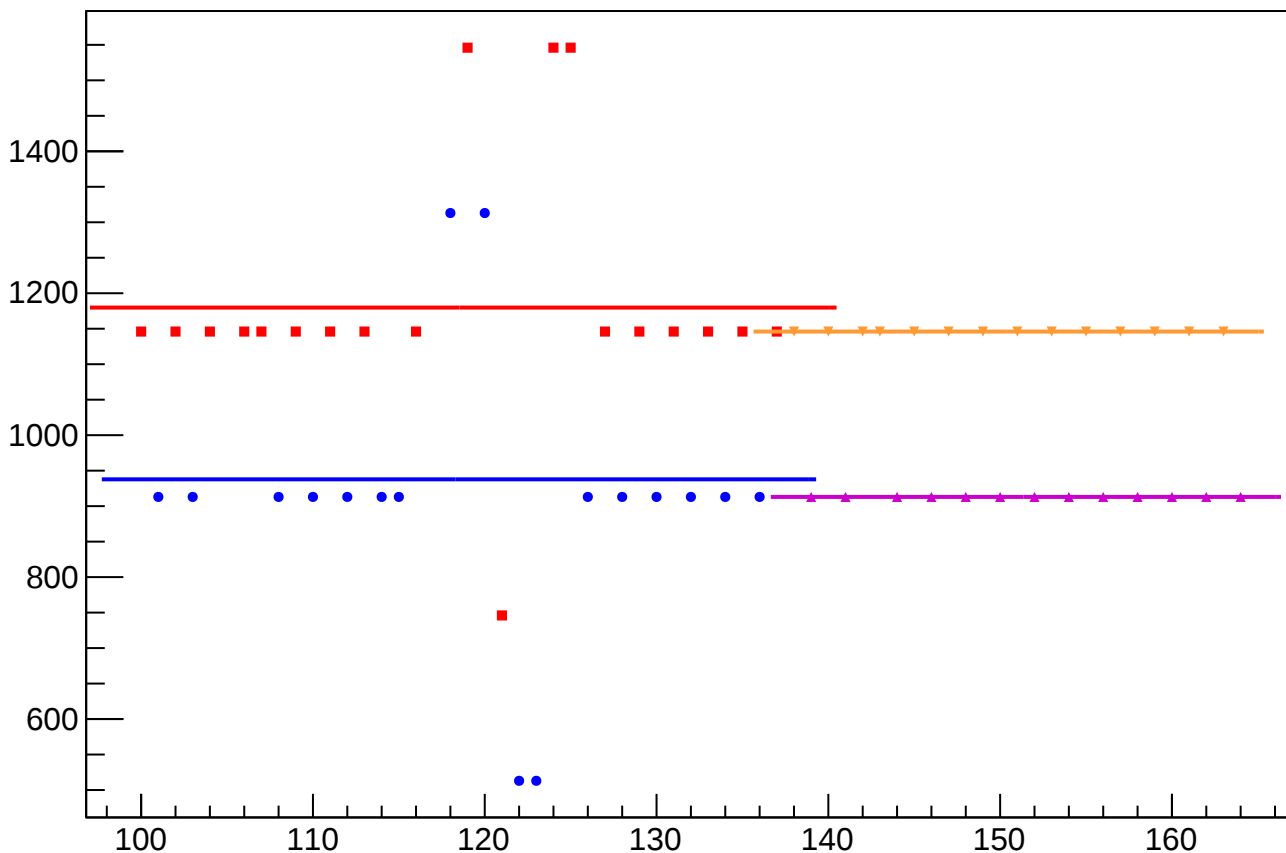
Left In: 17.009 $\pm$ 0.000 χ^2/NDF : 35404.1/12

+ sign 16.390 $\pm$ 0.000 χ^2/NDF : 4101356321839033

All: 16.497 $\pm$ 0.000 χ^2/NDF : 8734207665903

- sign 16.602 $\pm$ 0.000 χ^2/NDF : 4238695899771843

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 : 3925709817734859488766197760.0/13

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

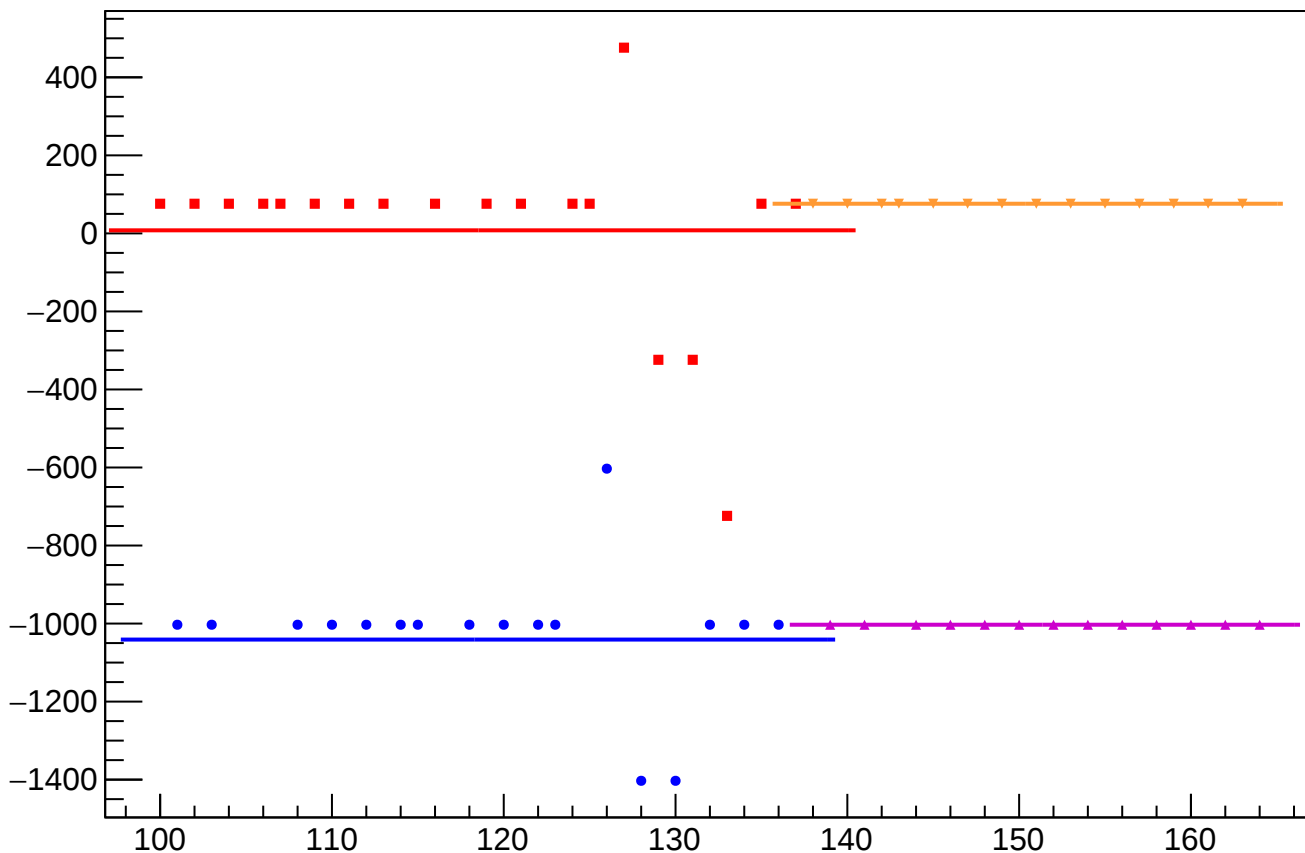
Left In: 912.995+/-0.000 χ^2/NDF : 17044628221902655750083182592.0/12

All: 1042.911+/-0.000 χ^2/NDF : 92923601607

+ sign 1064.824+/-0.000 χ^2/NDF : 39214679199788

- sign 1021.036+/-0.000 χ^2/NDF : 52000975408768

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 : 9291634271305140342240575488.0/13

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18

Left In: -1002.990+/-0.000 χ^2/NDF : 1387058346642824405245231104.0/12

+ sign -359.509+/-0.000 χ^2/NDF : 55100795932144

All: -476.682+/-0.000 χ^2/NDF : 10827053020

- sign -593.659+/-0.000 χ^2/NDF : 482861127288380