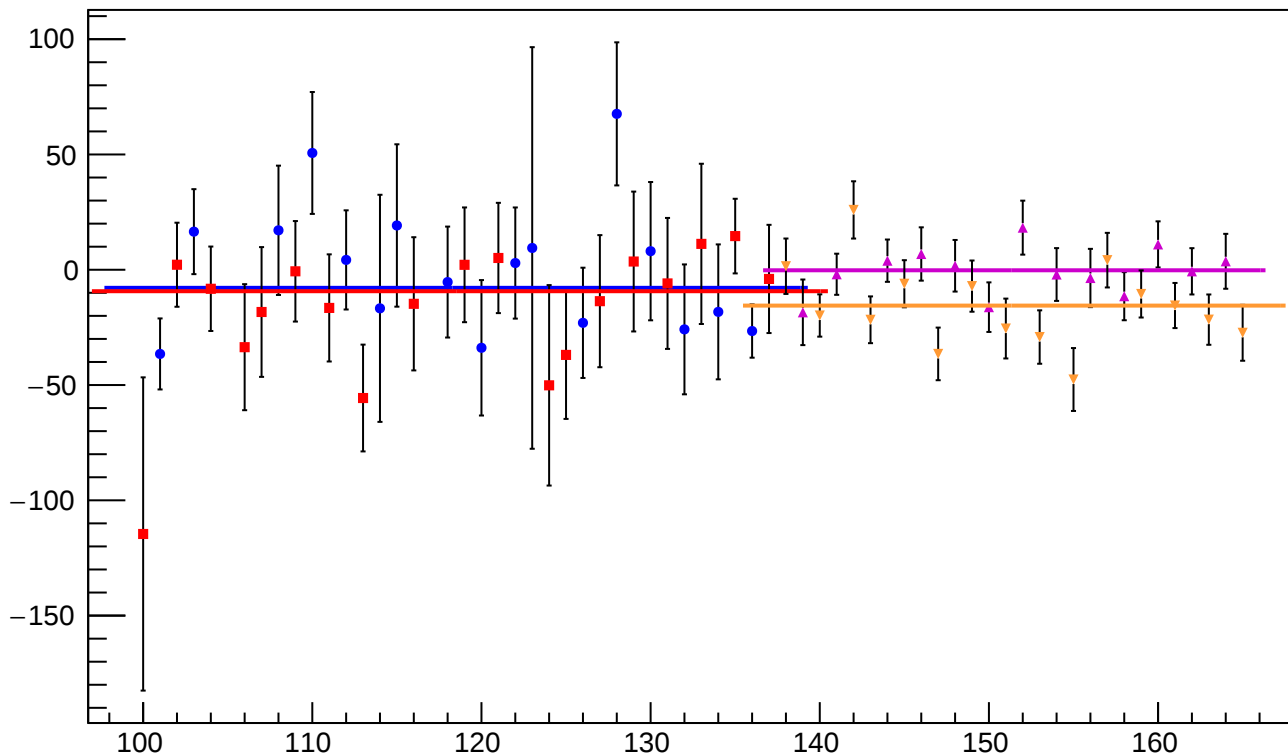


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -15.548 ± 2.869

χ^2/NDF : 30.4/14

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 -13.950 ± 2.554

χ^2/NDF : 54.5/31

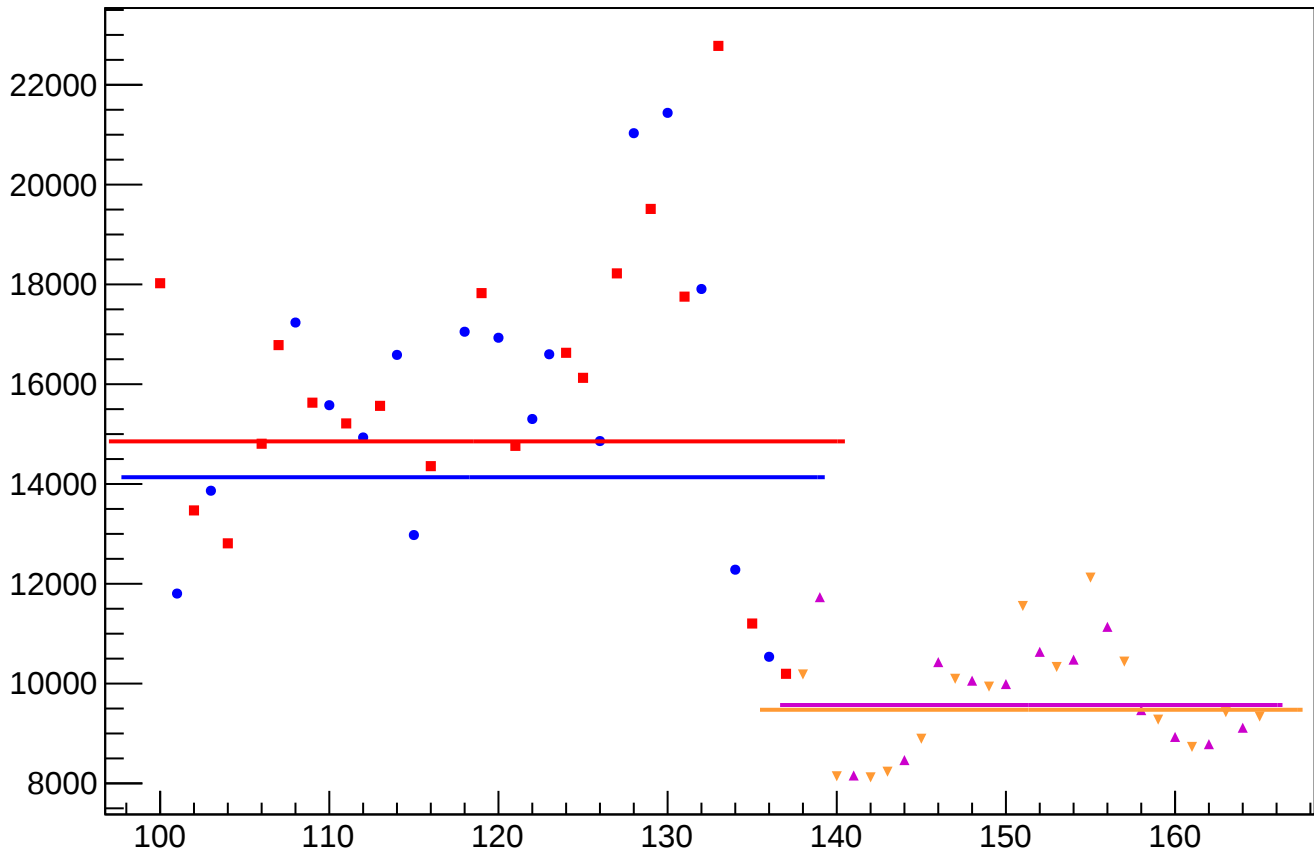
All: -8.310 ± 1.841

χ^2/NDF : 89.5/63

- 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: 9475.216+/-2.029 χ^2 /NDF: 282444.0/14

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

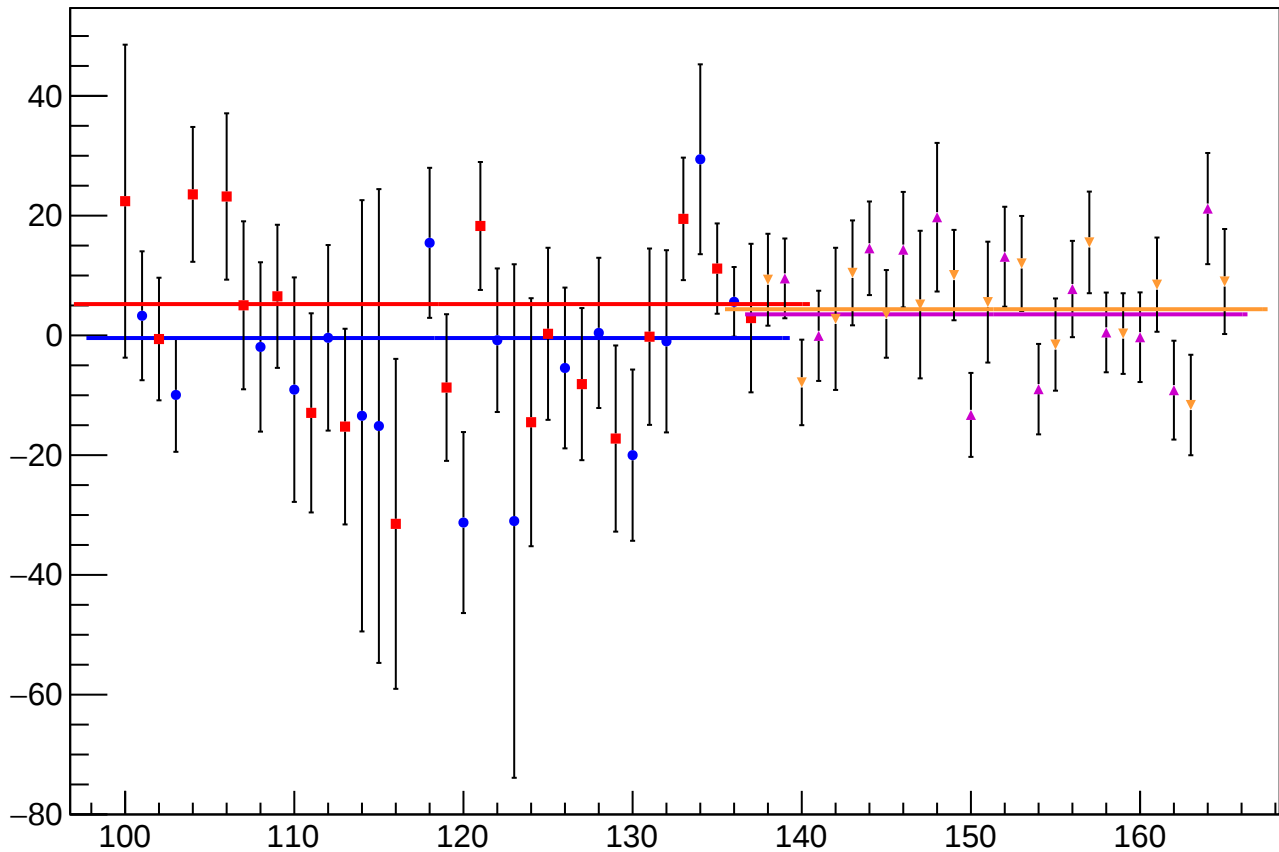
Left In: 9570.583+/-2.124 χ^2 /NDF: 226673.8/12

+ sign 10441.793+/-1.806 χ^2 /NDF: 1974342.5/31

All: 10578.384+/-1.301 χ^2 /NDF: 4038328.4/6

- 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: 4.373 ± 2.125 χ^2/NDF : 12.2/14

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

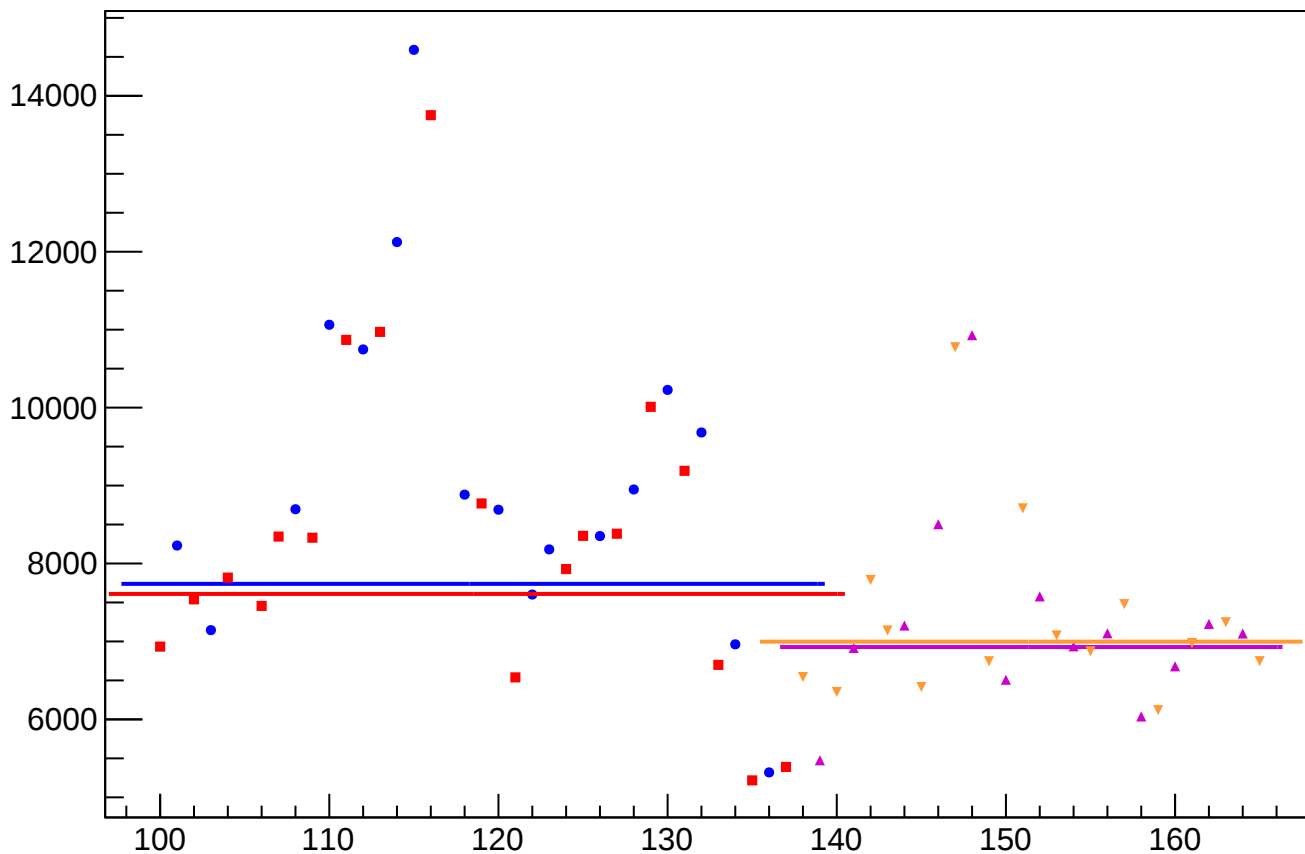
Left In: 3.516 ± 2.192 χ^2/NDF : 22.5/12

+ sign 2.813 ± 1.748 χ^2/NDF : 28.4/31

All: 3.468 ± 1.239 χ^2/NDF : 70.8/63

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

diff_bpm4aY_rms vs Slug



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

Left Out: 6997.408 $\pm$ 1.503 χ^2 /NDF:337460.9/14

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

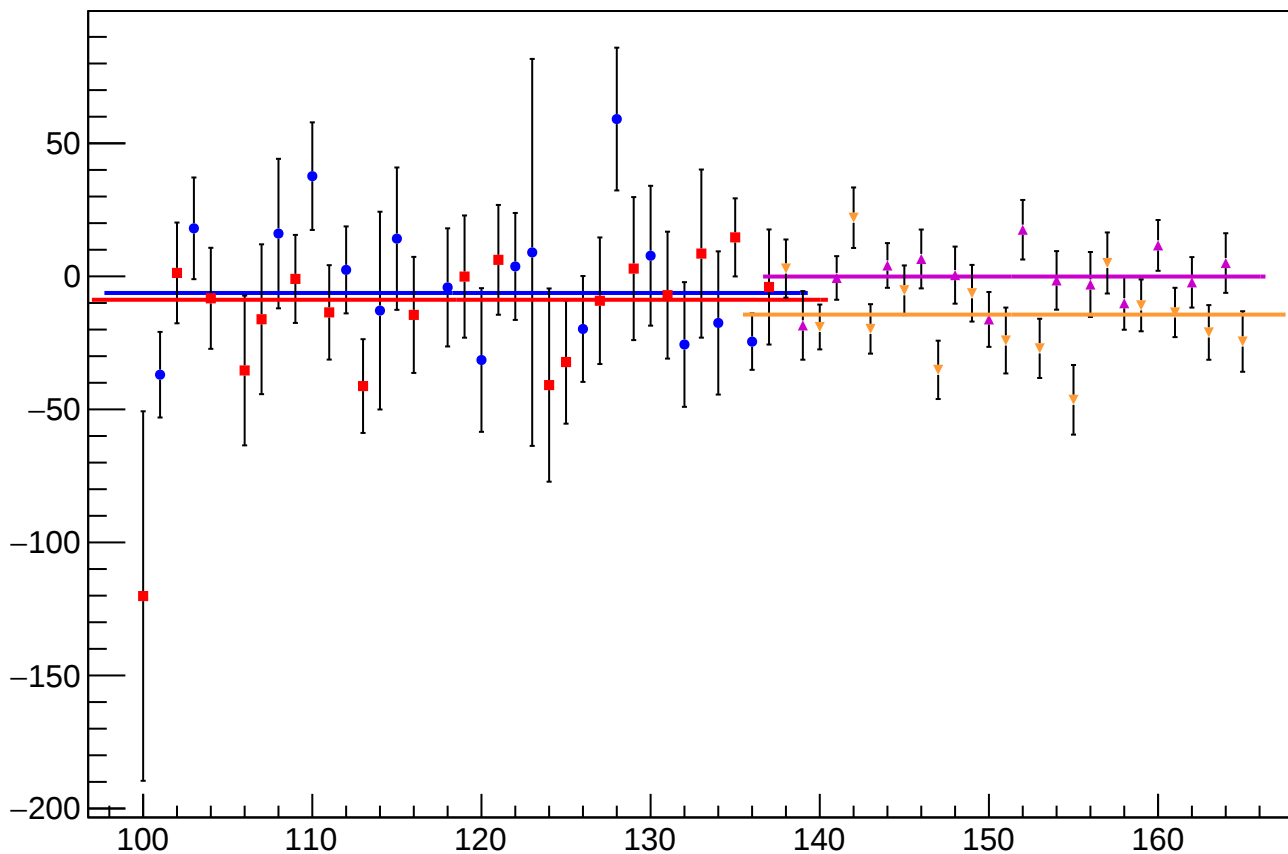
Left In: 6928.476 $\pm$ 1.550 χ^2 /NDF:420385.4/12

+ sign 7237.548 $\pm$ 1.236 χ^2 /NDF: 1157127.0/31

All: 7205.051 $\pm$ 0.876 χ^2 /NDF: 2327191.2/63

- sign 7172.232 $\pm$ 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: -14.372 ± 2.694 χ^2/NDF : 30.6/14

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

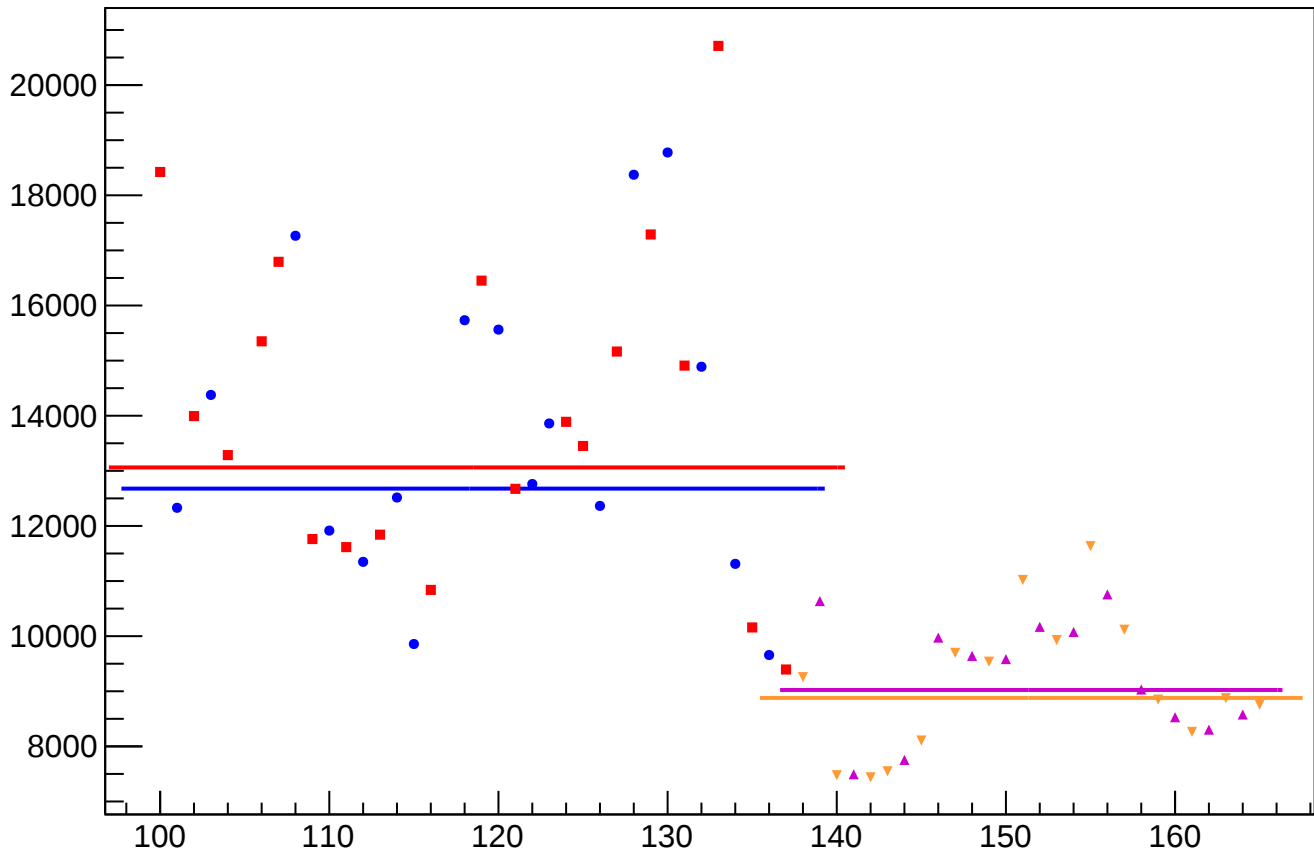
Left In: -0.075 ± 2.835 χ^2/NDF : 10.4/12

+ sign -12.554 ± 2.373 χ^2/NDF : 55.9/31

All: -7.574 ± 1.710 χ^2/NDF : 90.9/63

- 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: 8879.359+/-1.905 χ^2/NDF : 361999.1/14

+ sign 9729.153+/-1.678 χ^2/NDF : 1805287.3/31

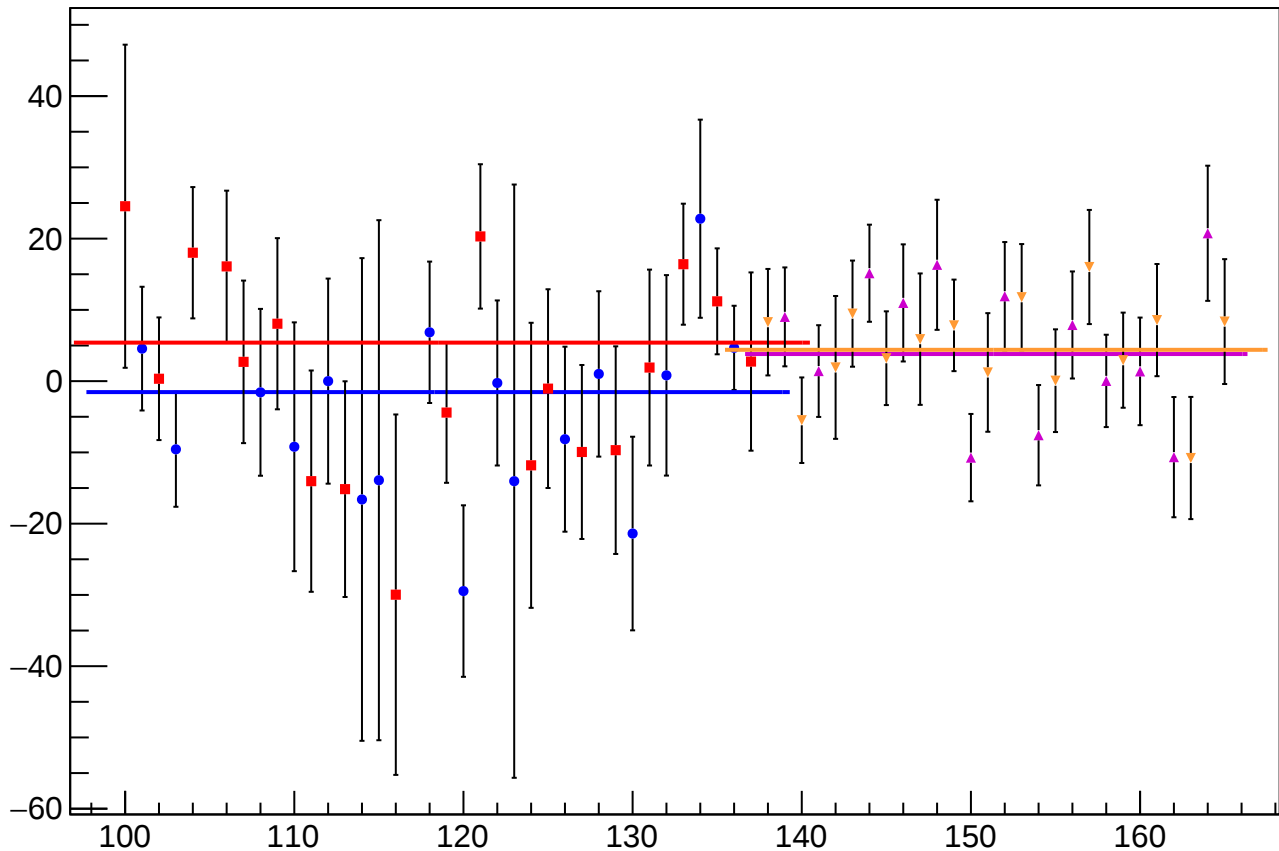
Right Out: 13061.839+/-3.535 χ^2/NDF : 497429.6/18

All: 9862.251+/-1.209 χ^2/NDF : 3577029.6/63

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

- 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: 4.397 ± 1.942 χ^2/NDF : 11.1/14

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

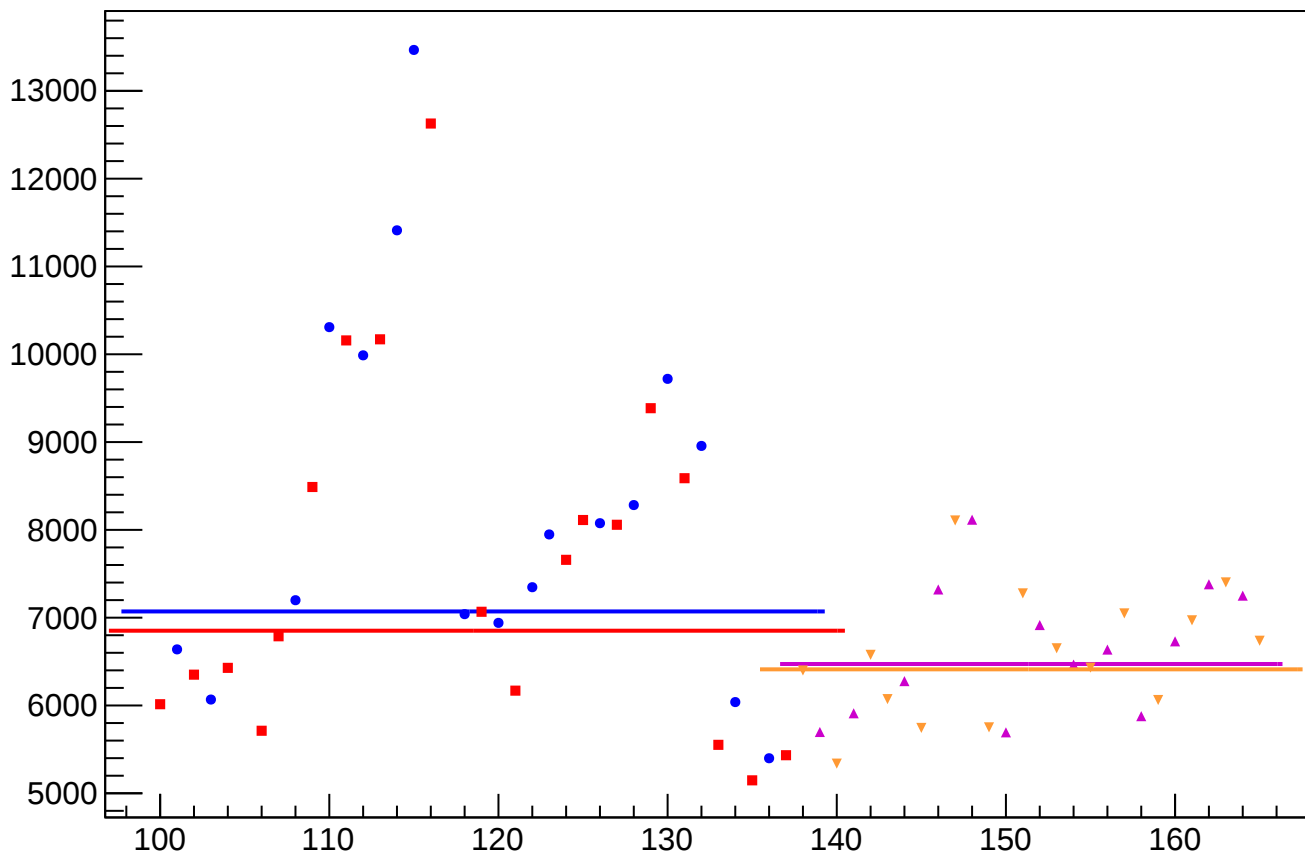
Left In: 3.803 ± 2.035 χ^2/NDF : 22.4/12

+ sign 2.461 ± 1.594 χ^2/NDF : 29.0/31

All: 3.420 ± 1.133 χ^2/NDF : 70.9/63

- 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: 6411.589+/-1.373 χ^2 /NDF: 259411.1/14

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

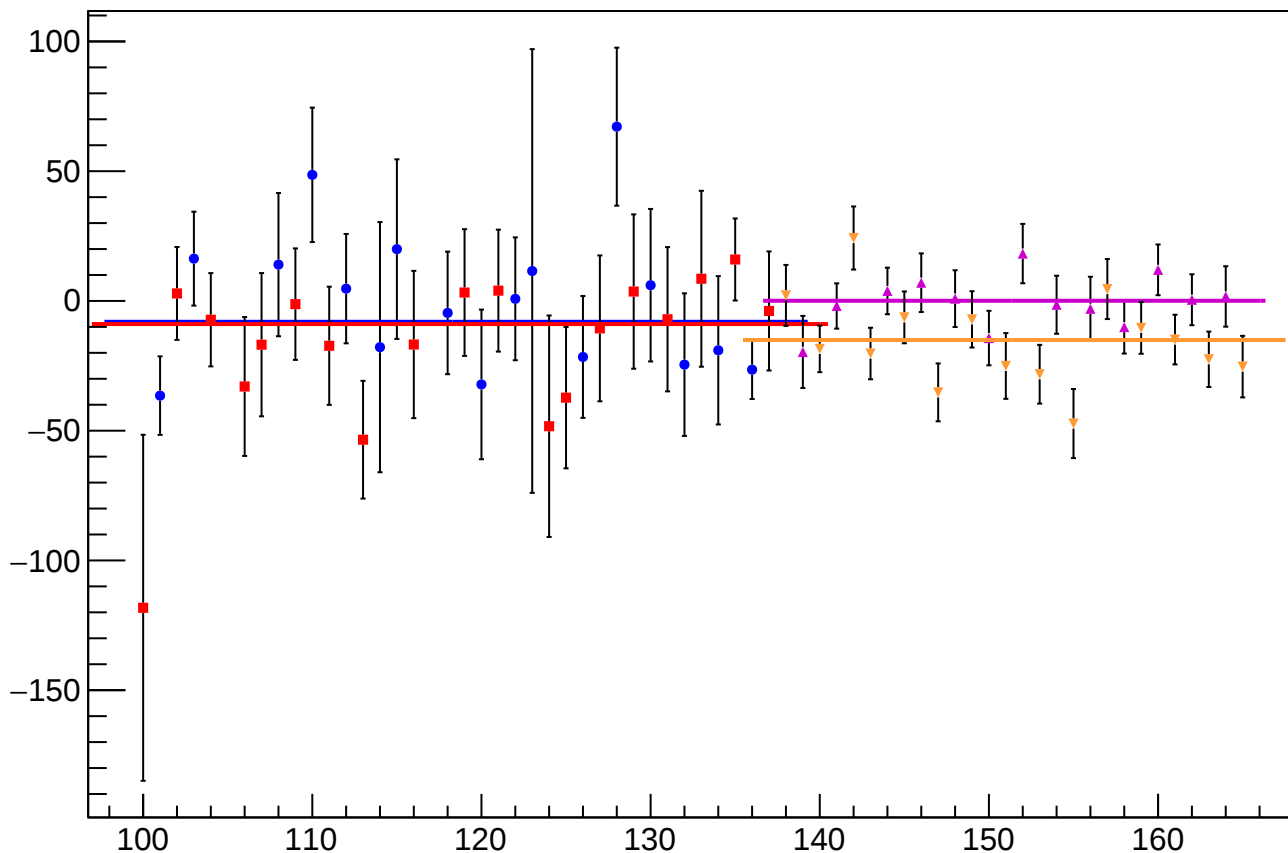
Left In: 6472.487+/-1.439 χ^2 /NDF: 223739.7/12

+ sign 6626.736+/-1.127 χ^2 /NDF: 935420.7/31

All: 6620.326+/-0.801 χ^2 /NDF: 1869505.7/63

- 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: -15.063 ± 2.805 χ^2/NDF : 29.8/14

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

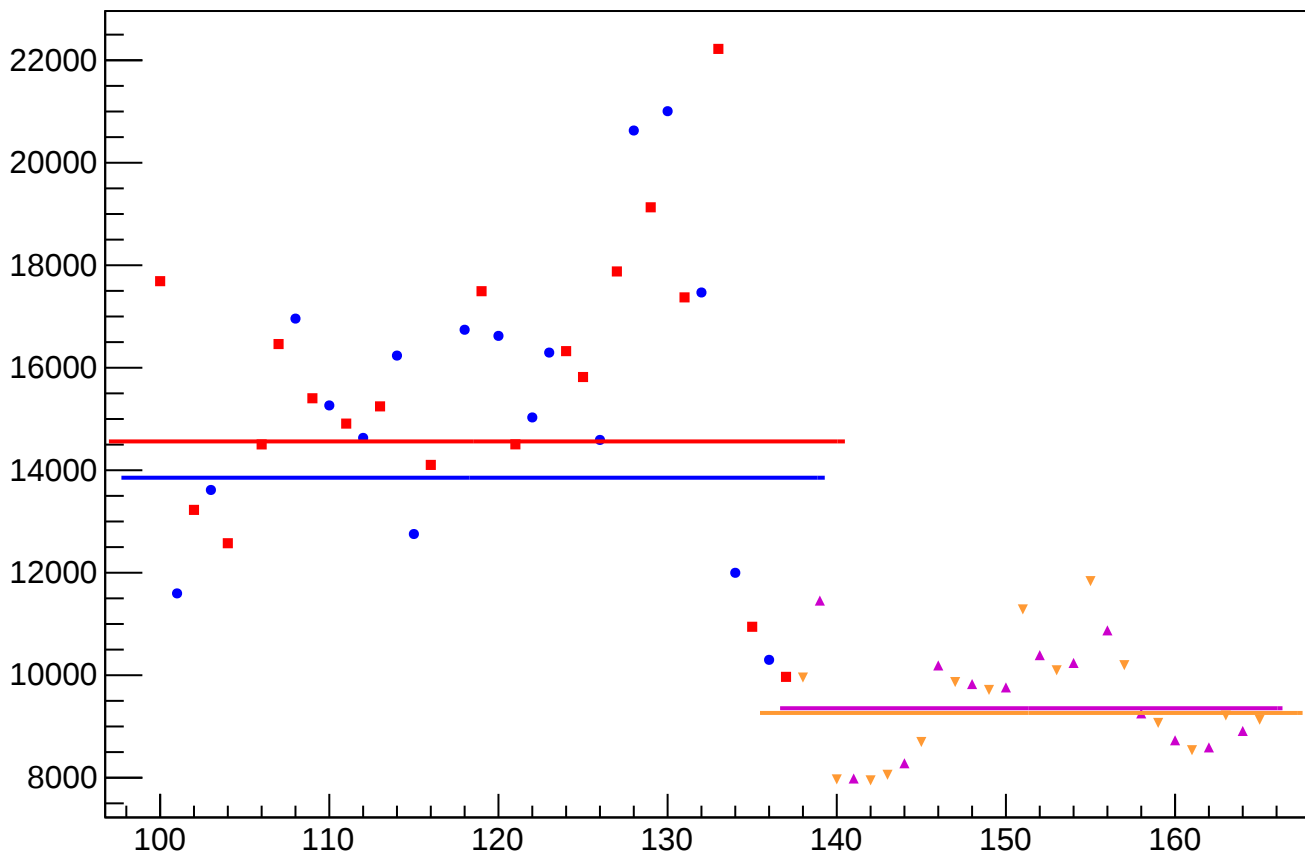
Left In: 0.066 ± 2.936 χ^2/NDF : 9.6/12

+ sign -13.612 ± 2.498 χ^2/NDF : 53.6/31

All: -7.976 ± 1.800 χ^2/NDF : 89.5/63

- 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: 9264.088+/-1.983 χ^2/NDF : 279211.0/14

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

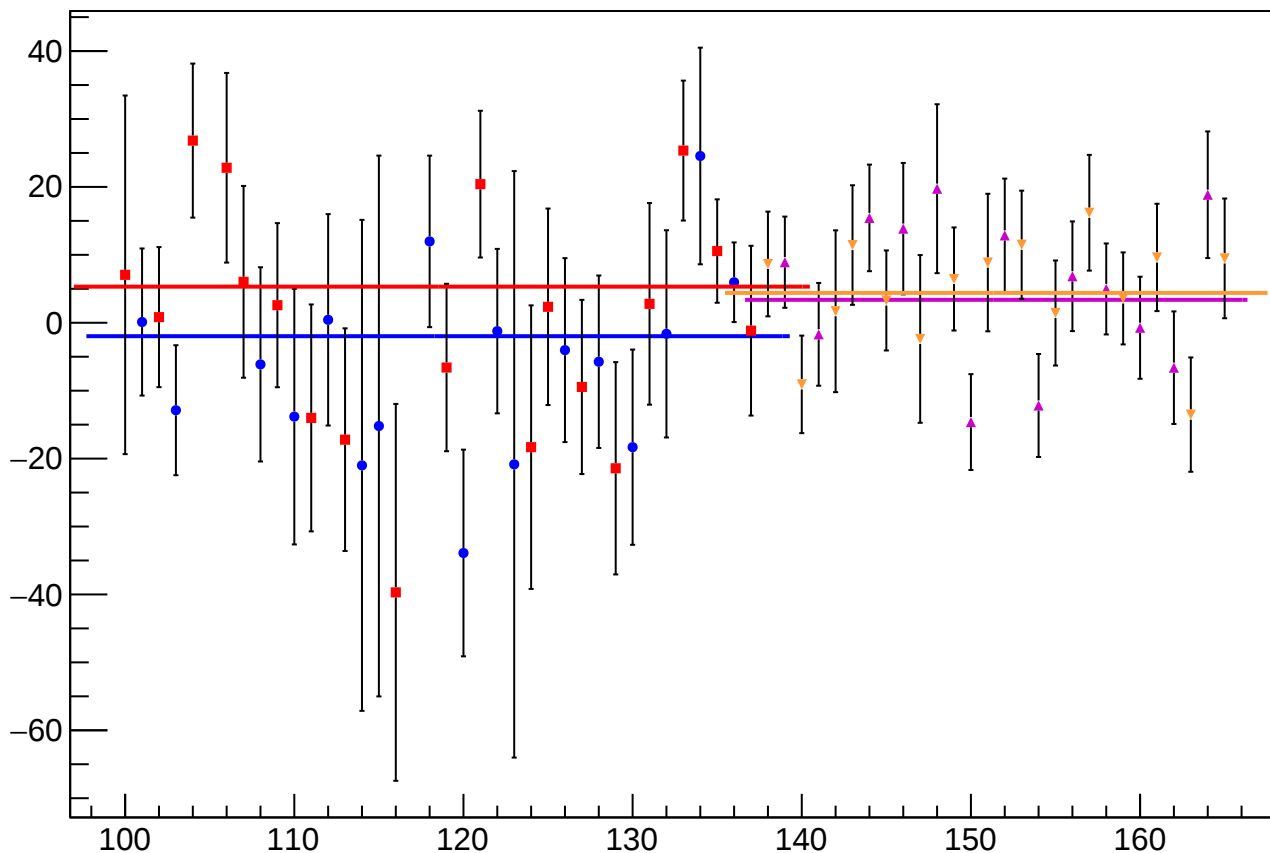
Left In: 9356.018+/-2.076 χ^2/NDF : 223959.6/12

+ sign 10212.012+/-1.767 χ^2/NDF : 1986543.5/31

All: 10345.234+/-1.273 χ^2/NDF : 4065523.4/6

- 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: 4.396 ± 2.135 χ^2/NDF : 13.3/14

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

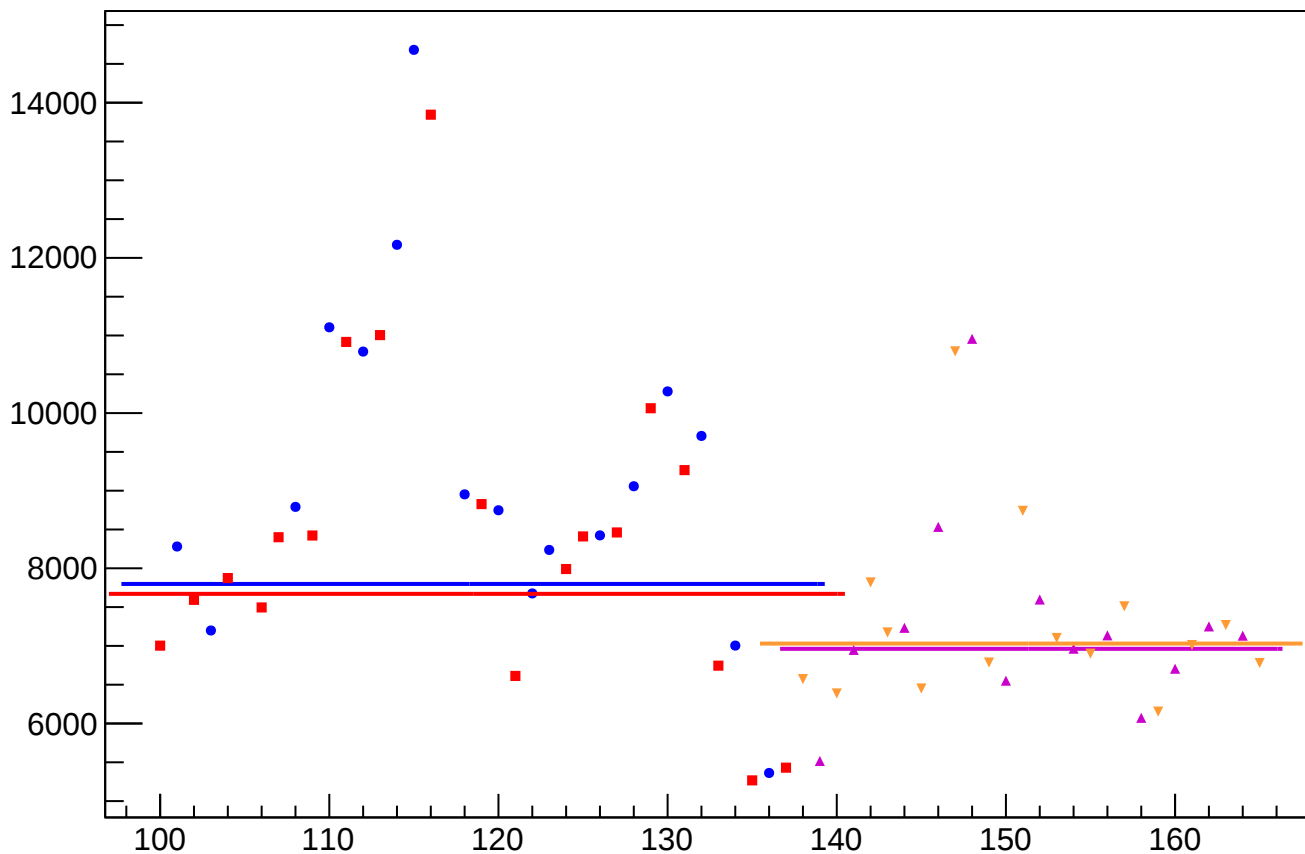
Left In: 3.377 ± 2.202 χ^2/NDF : 23.1/12

+ sign 2.340 ± 1.757 χ^2/NDF : 30.2/31

All: 3.200 ± 1.246 χ^2/NDF : 78.4/63

- 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: 7030.009 $\pm$ 1.510 χ^2 /NDF:333696.2/14

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

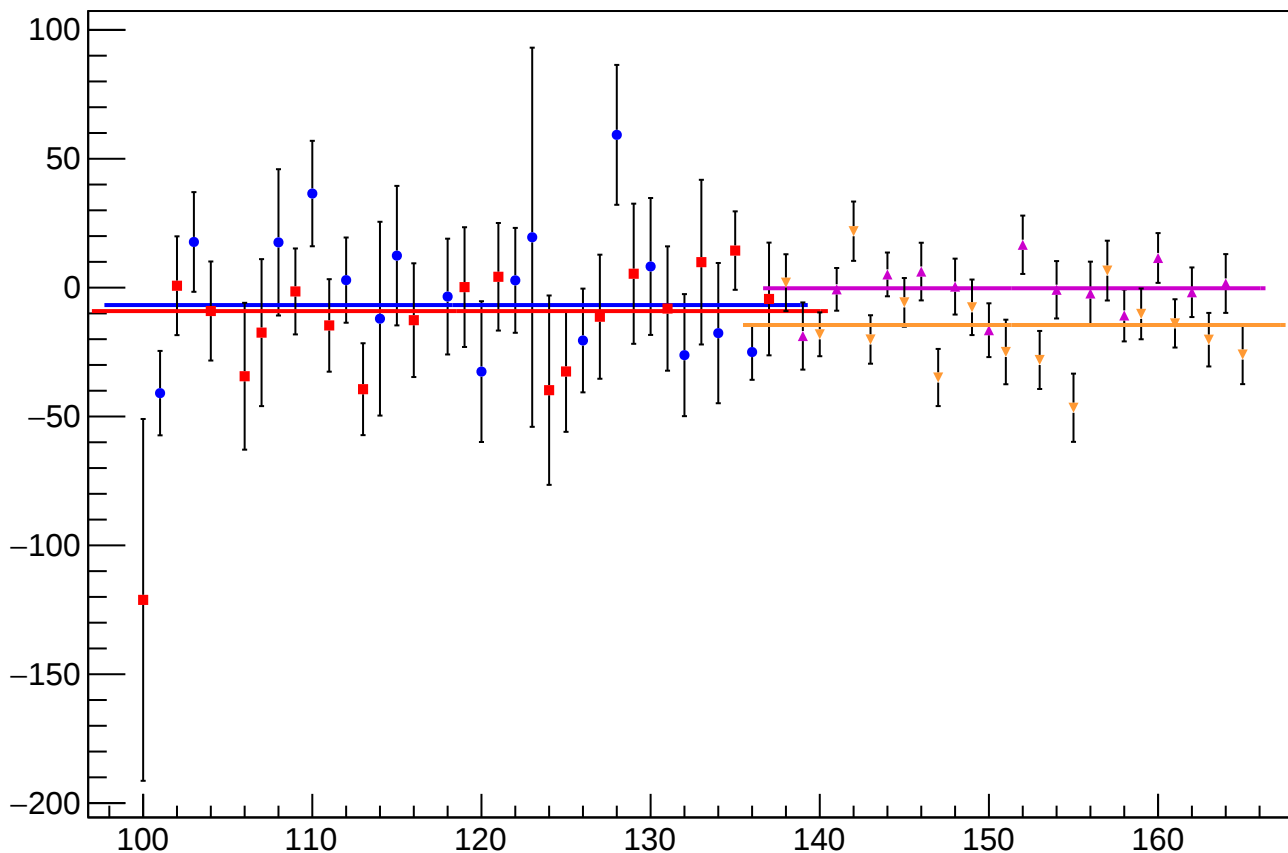
Left In: 6962.330 $\pm$ 1.557 χ^2 /NDF:414141.4/12

+ sign 7277.822 $\pm$ 1.243 χ^2 /NDF: 1153517.8/31

All: 7246.489 $\pm$ 0.881 χ^2 /NDF: 2315386.9/63

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

diff_bpm4ecX_mean vs Slug



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

Left Out: -14.495 ± 2.723 χ^2/NDF : 30.2/14

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

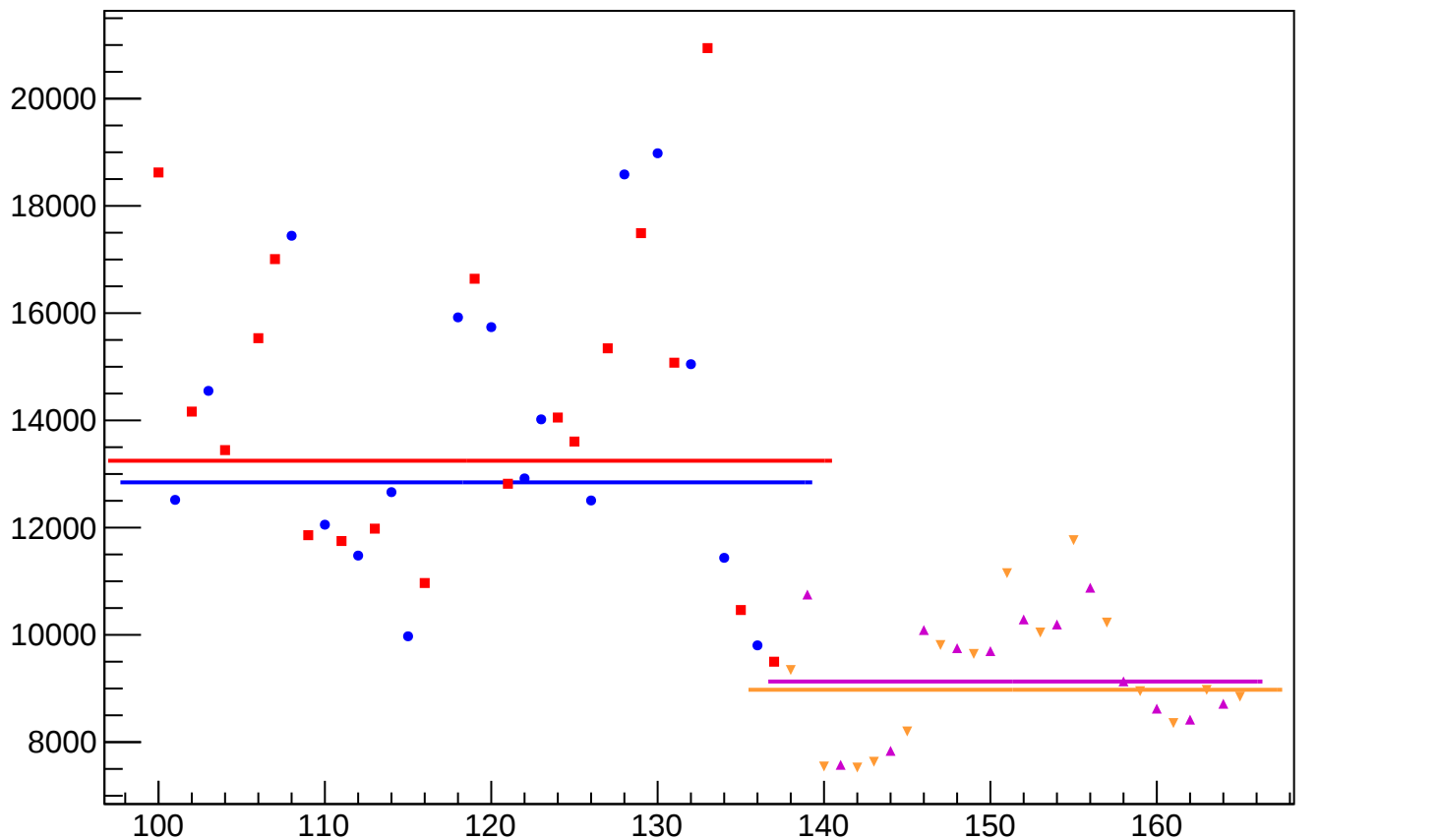
Left In: -0.242 ± 2.869 χ^2/NDF : 10.1/12

+ sign -12.771 ± 2.401 χ^2/NDF : 55.7/31

All: -7.785 ± 1.730 χ^2/NDF : 89.4/63

- sign -2.390 ± 2.497 χ^2/NDF : 24.6/31

diff_bpm4ecX_rms vs Slug



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

Left Out: 8976.233 ± 1.926 χ^2/NDF : 363586.4/14

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

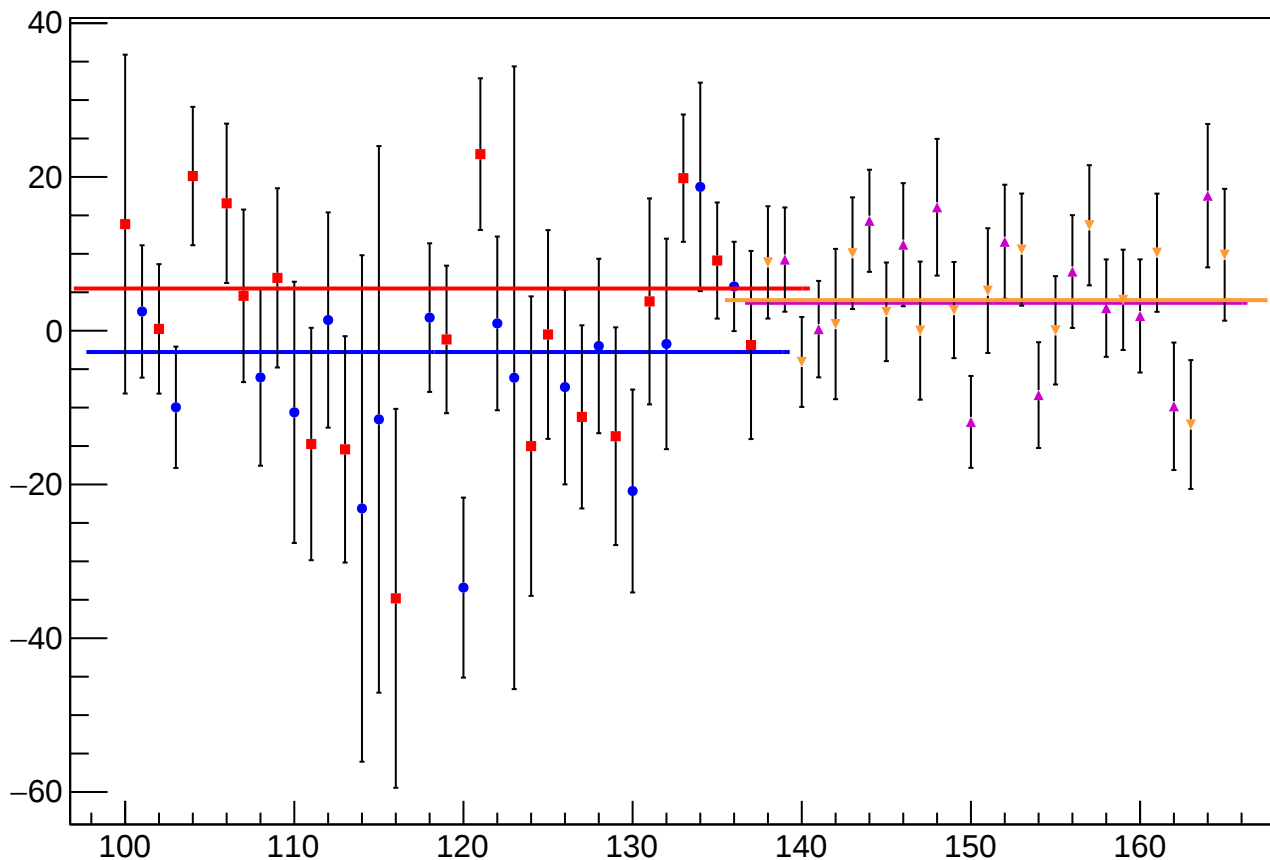
Left In: 9130.173 ± 2.029 χ^2/NDF : 273321.0/12

+ sign 9838.395 ± 1.697 χ^2/NDF : 1810302.2/31

All: 9977.744 ± 1.224 χ^2/NDF : 3581994.3/63

- 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: 3.973 ± 1.895 χ^2/NDF : 11.0/14

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

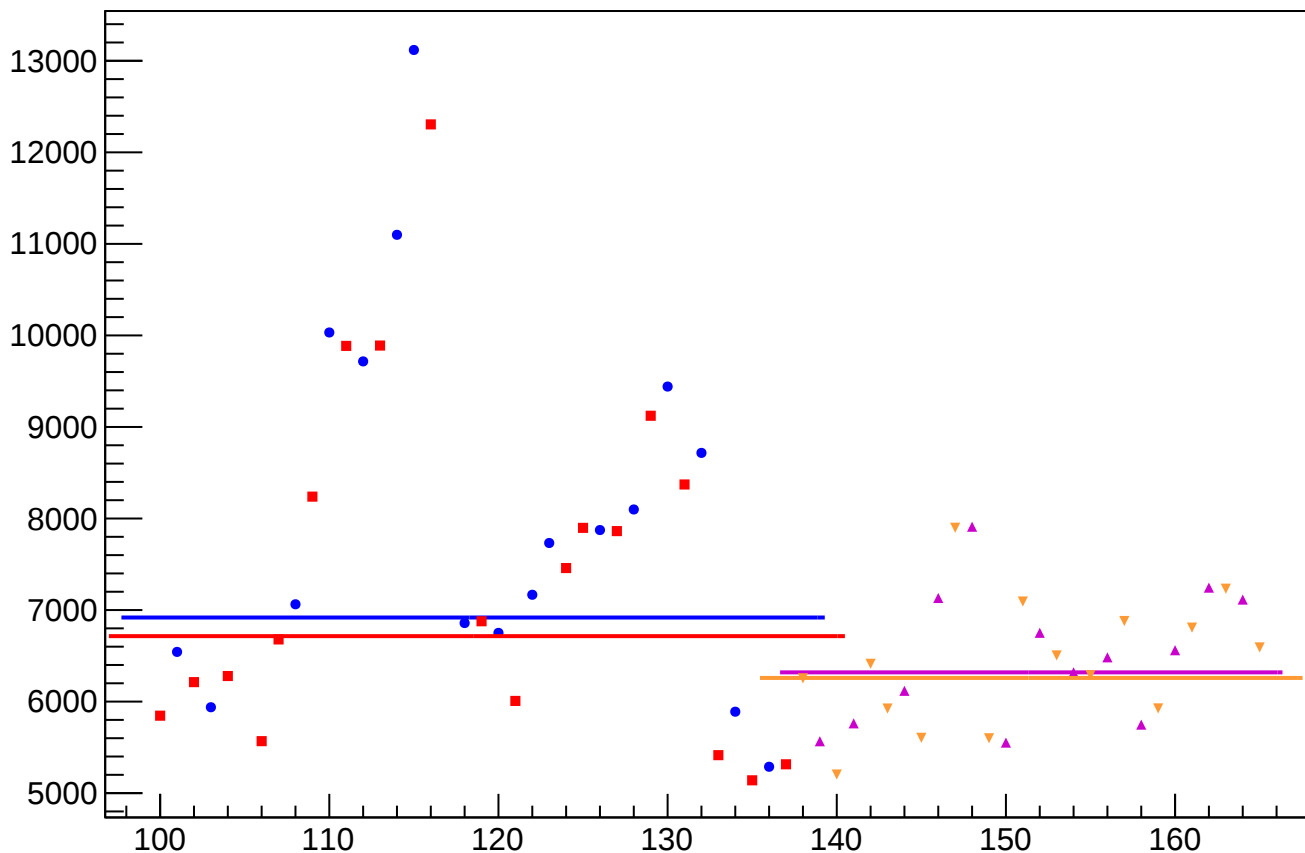
Left In: 3.630 ± 1.987 χ^2/NDF : 22.6/12

+ sign 1.781 ± 1.557 χ^2/NDF : 31.0/31

All: 3.035 ± 1.108 χ^2/NDF : 78.4/63

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

diff_bpm4ecY_rms vs Slug



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

Left Out: 6258.416+/-1.340 χ^2/NDF : 261151.7/14

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

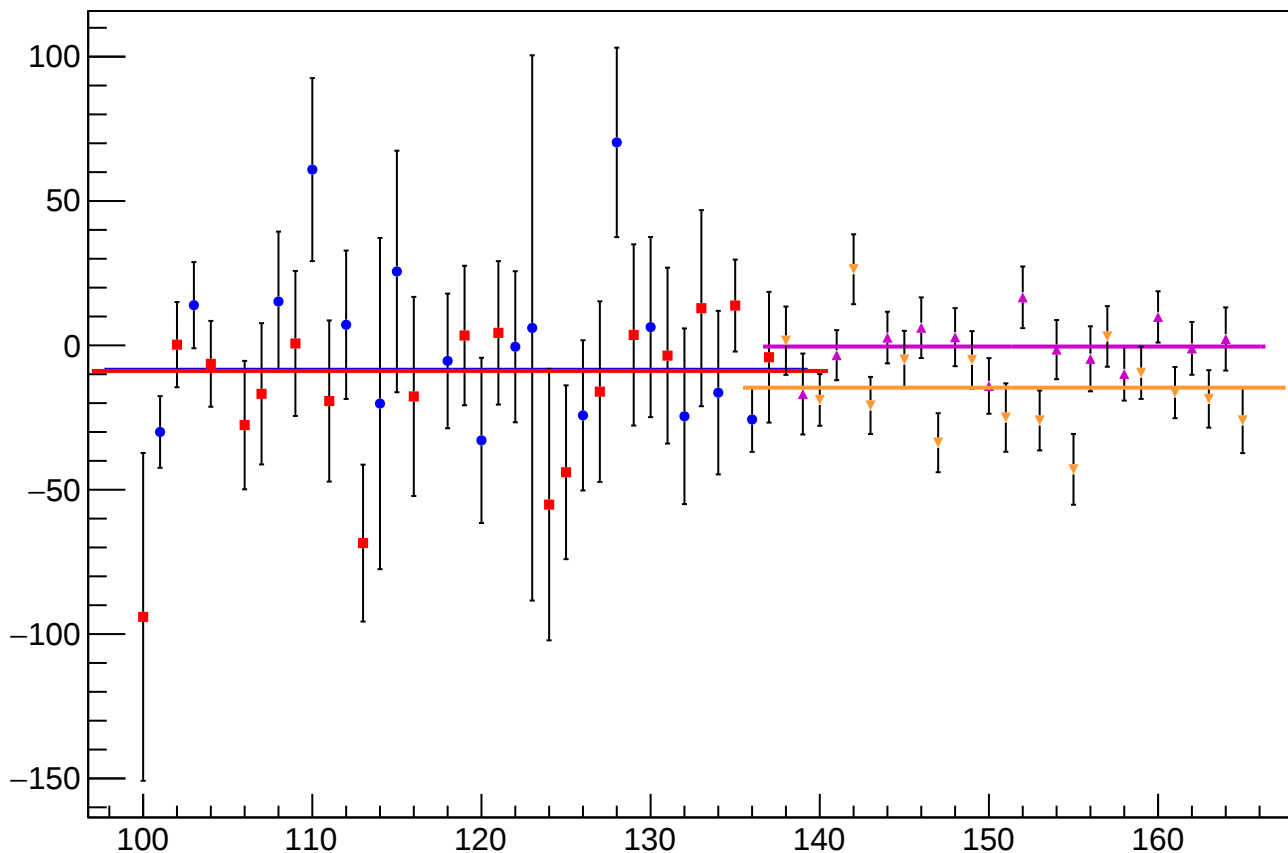
Left In: 6319.294+/-1.405 χ^2/NDF : 225431.9/12

+ sign 6472.926+/-1.101 χ^2/NDF : 927015.1/31

All: 6469.544+/-0.783 χ^2/NDF : 1837906.0/63

- sign 6466.080+/-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: -14.643 ± 2.659 χ^2/NDF : 31.0/14

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

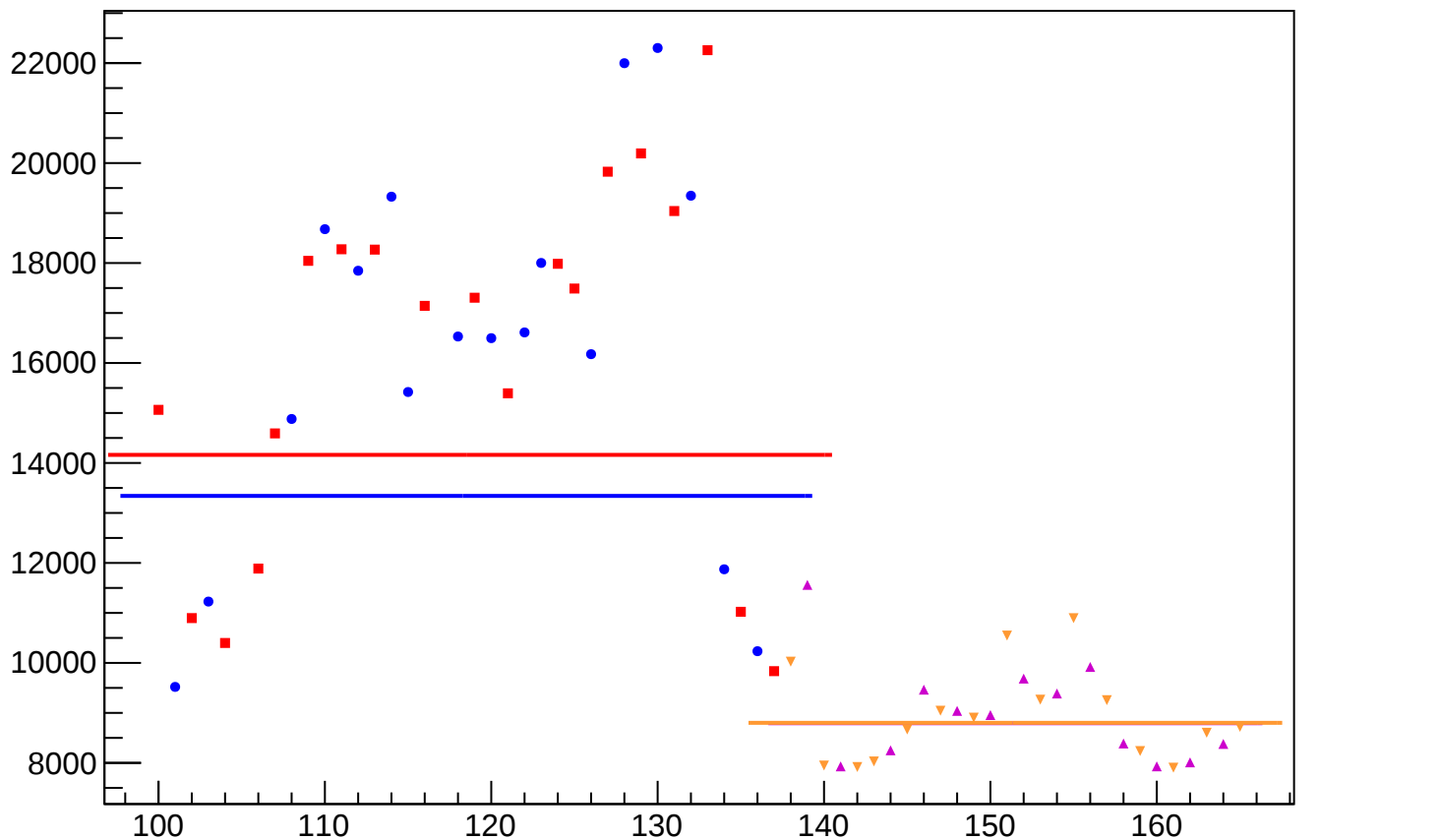
Left In: -0.406 ± 2.758 χ^2/NDF : 9.3/12

+ sign -13.431 ± 2.385 χ^2/NDF : 54.1/31

All: -7.954 ± 1.714 χ^2/NDF : 90.4/63

- 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: 8801.290+/-1.880 χ^2/NDF : 202857.0/14

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

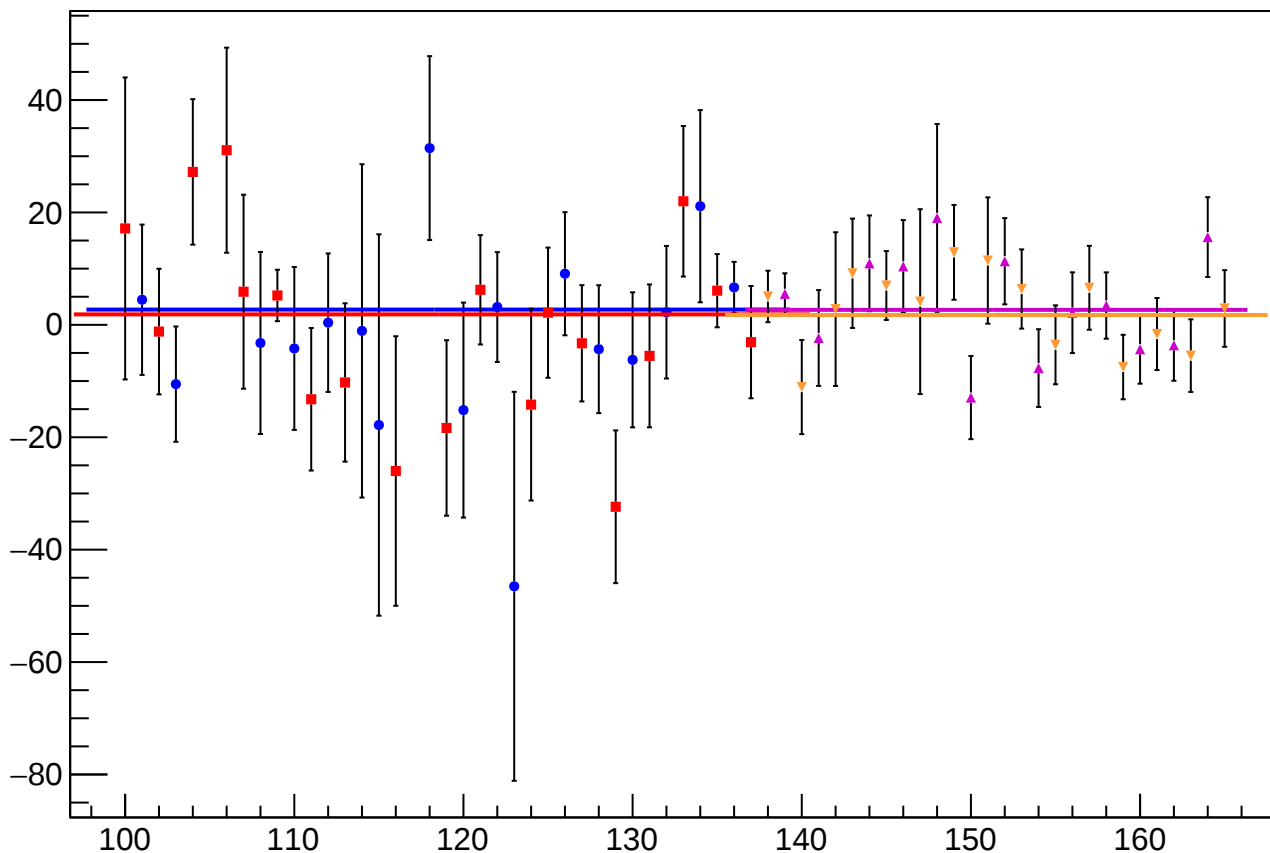
Left In: 8793.669+/-1.950 χ^2/NDF : 196116.3/12

+ sign 9689.289+/-1.687 χ^2/NDF : 2387400.7/31

All: 9776.458+/-1.212 χ^2/NDF : 5039586.4/63

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

diff_bpm1Y_mean vs Slug



Right In: 2.717 ± 2.752 $\chi^2/\text{NDF}: 11.6/16$

Left Out: 1.754 ± 1.861 $\chi^2/\text{NDF}: 12.3/14$

Right Out: 1.861 ± 2.439 $\chi^2/\text{NDF}: 23.5/18$

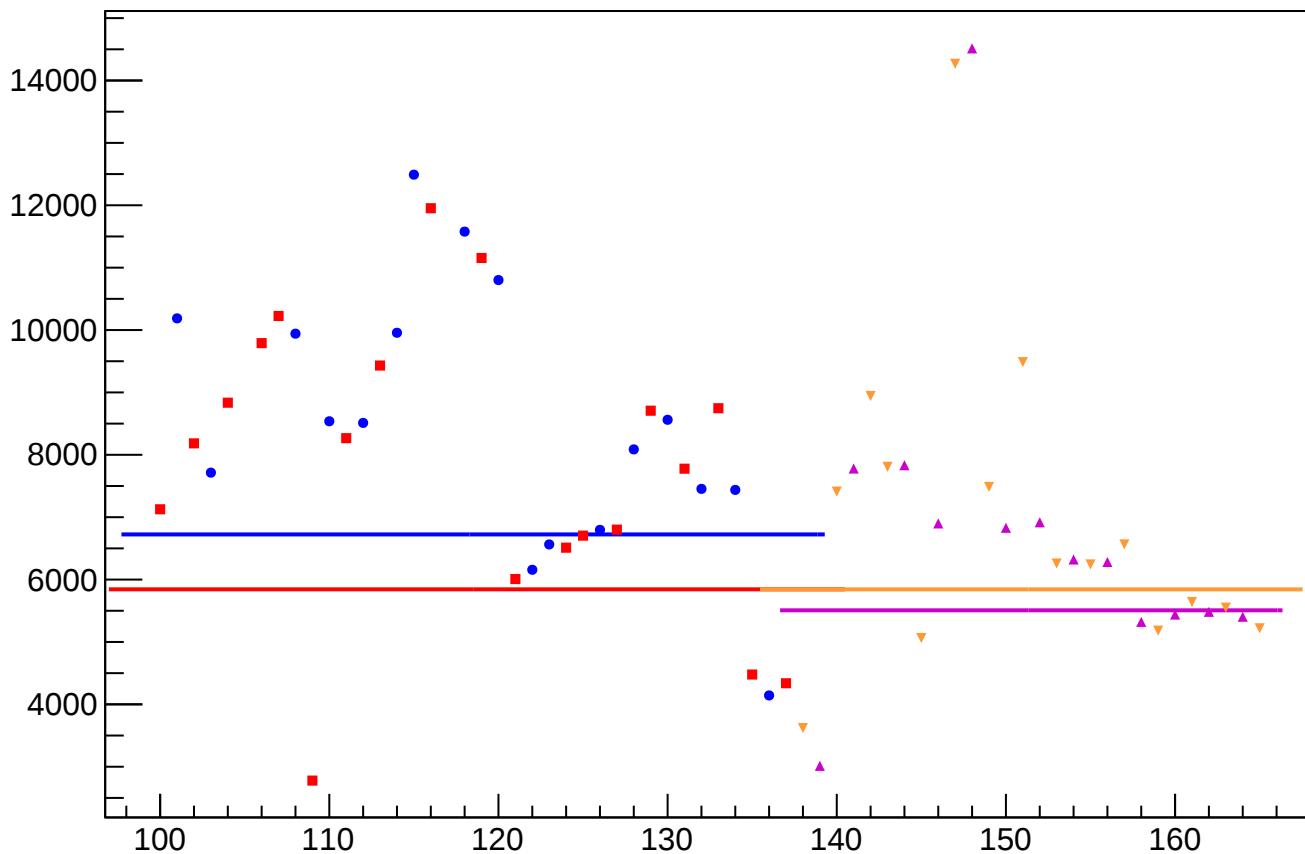
Left In: 2.669 ± 1.836 $\chi^2/\text{NDF}: 17.3/12$

+ sign 2.056 ± 1.542 $\chi^2/\text{NDF}: 24.0/31$

All: 2.225 ± 1.063 $\chi^2/\text{NDF}: 65.0/63$

- sign 2.377 ± 1.467 $\chi^2/\text{NDF}: 40.9/31$

diff_bpm1Y_rms vs Slug



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

Left Out: 5842.882+/-1.316 χ^2/NDF : 1650884.6/14

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

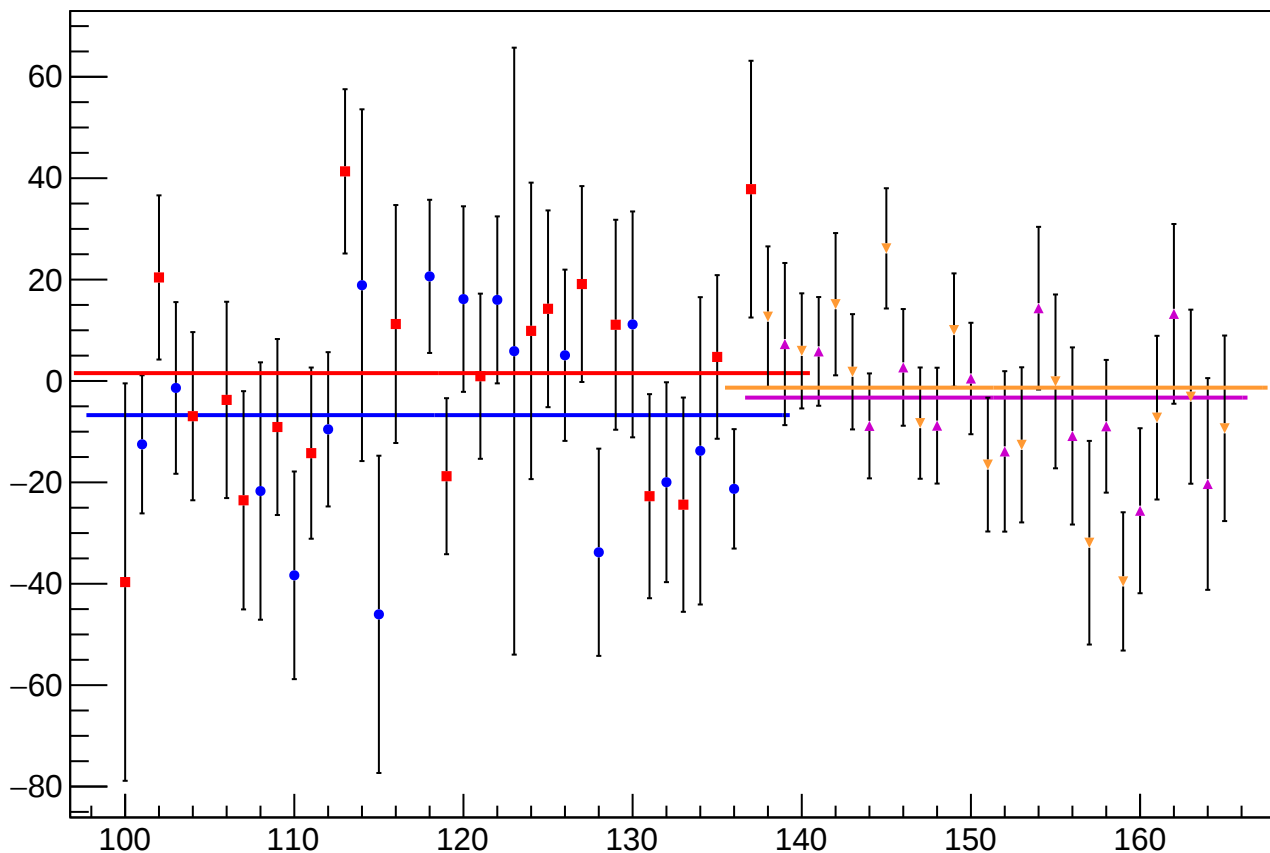
Left In: 5507.162+/-1.299 χ^2/NDF : 2045405.7/12

+ sign 6119.302+/-1.090 χ^2/NDF : 3183605.0/31

All: 5862.000+/-0.751 χ^2/NDF : 7636735.1/63

- 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: -1.317 ± 3.521 χ^2/NDF : 22.1/14

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

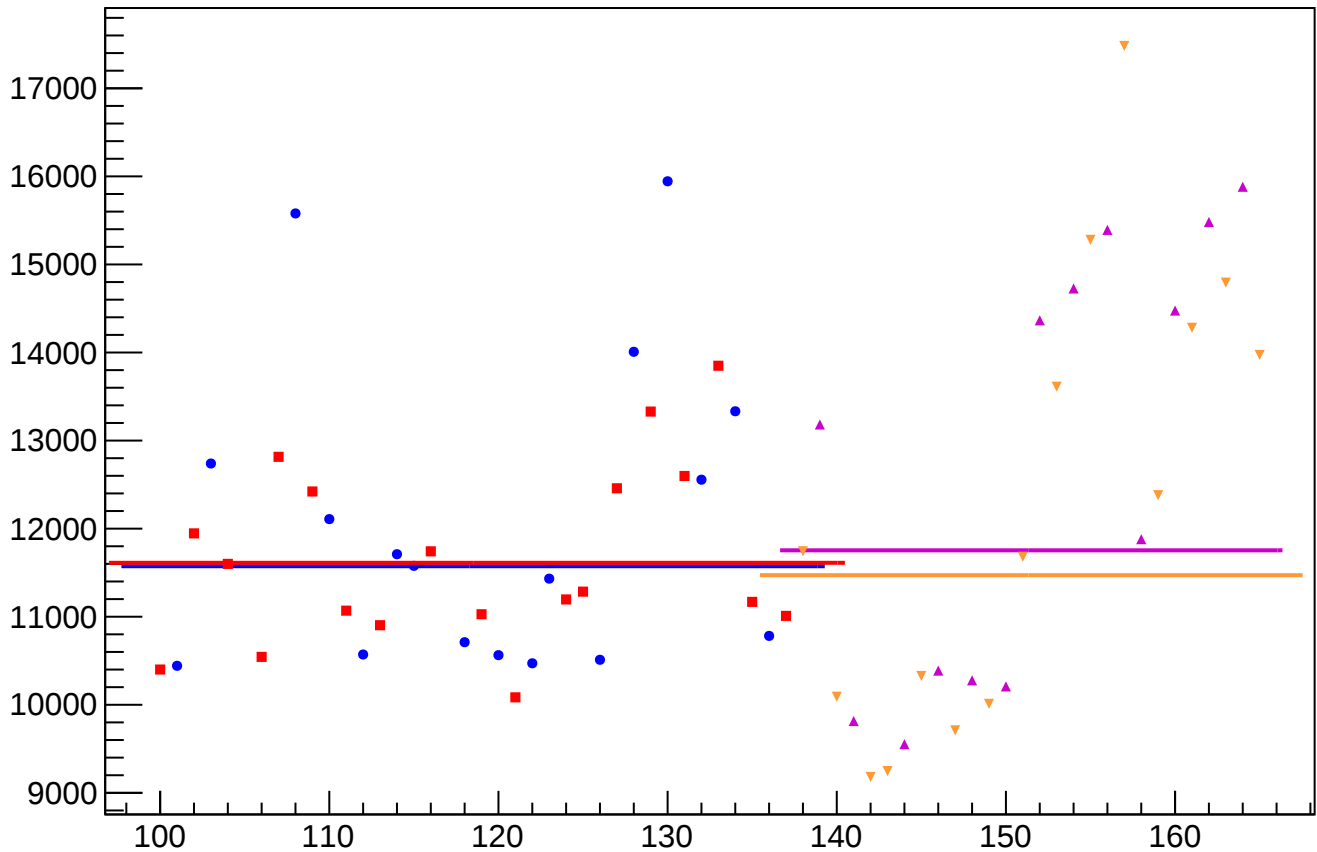
Left In: -3.281 ± 3.735 χ^2/NDF : 7.5/12

+ sign -3.368 ± 2.776 χ^2/NDF : 39.8/31

All: -2.330 ± 1.985 χ^2/NDF : 68.3/63

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

diff_bpm11X_rms vs Slug



Right In: 11573.490+/-3.191 χ^2/NDF : 238734.7/16

Left Out: 11471.795+/-2.490 χ^2/NDF : 763431.9/14

Right Out: 11612.220+/-3.092 χ^2/NDF : 94308.1/18

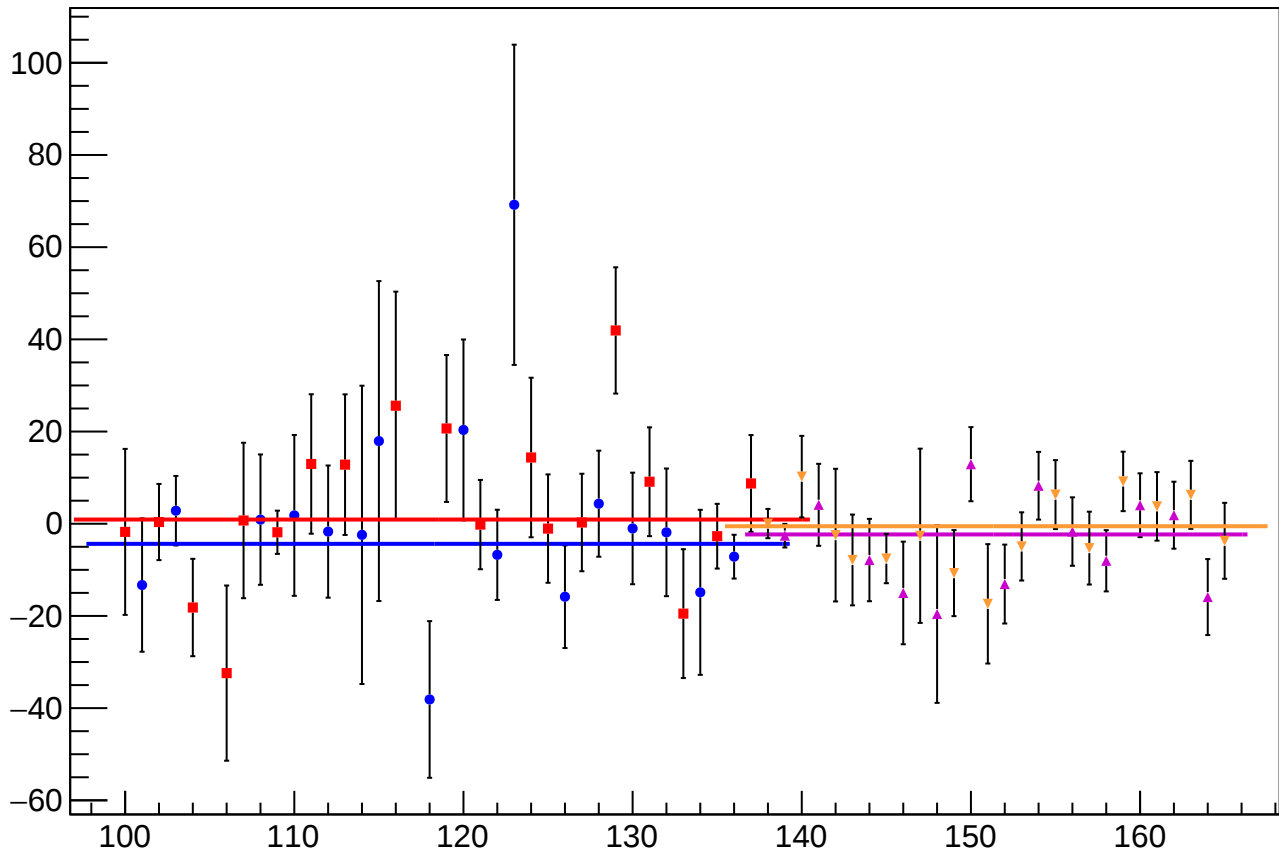
Left In: 11754.038+/-2.641 χ^2/NDF : 705511.9/12

+ sign 11510.274+/-1.963 χ^2/NDF : 1002797.9/31

All: 11600.139+/-1.404 χ^2/NDF : 1808123.9/6

- sign 11694.201+/-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: -0.541 ± 1.798 χ^2/NDF : 11.8/14

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

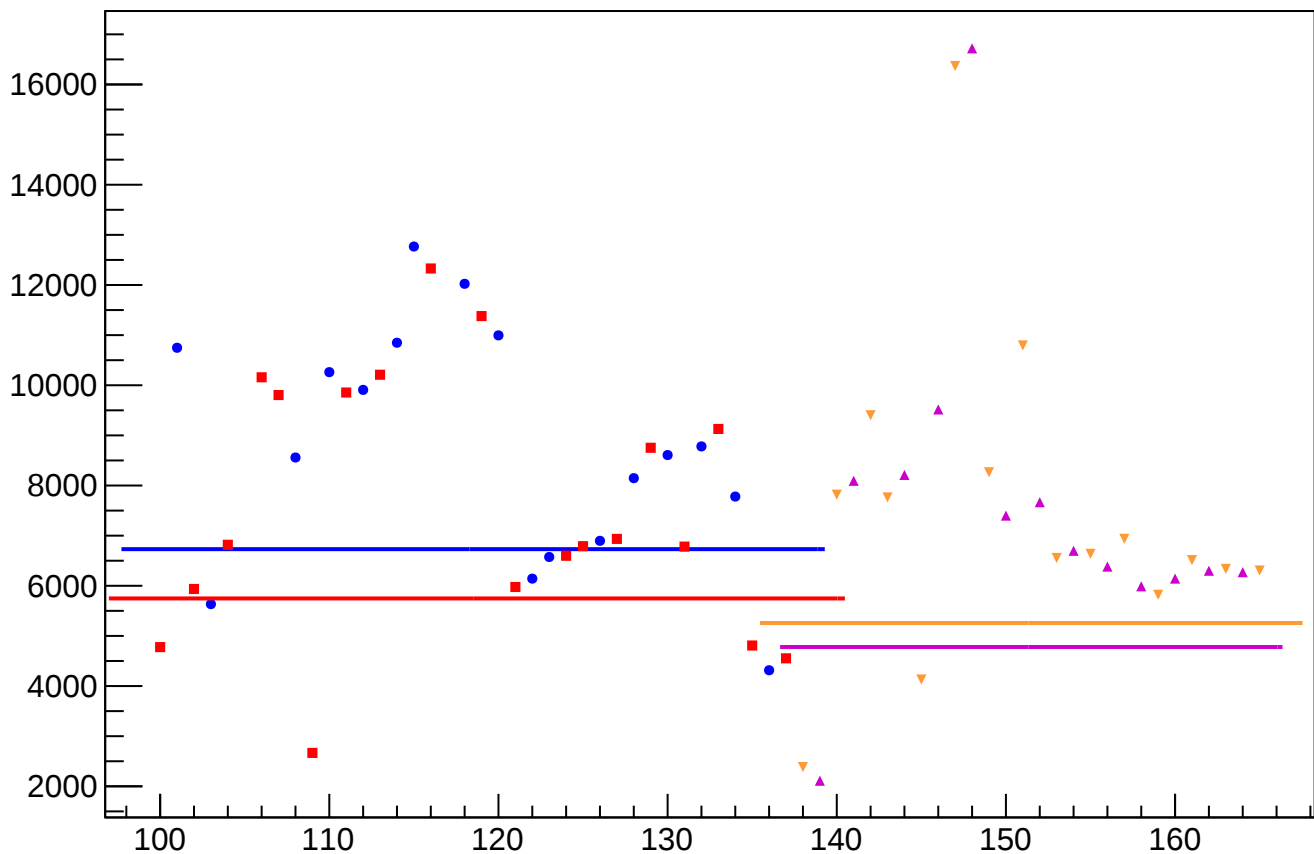
Left In: -2.320 ± 1.737 χ^2/NDF : 14.9/12

+ sign -1.669 ± 1.509 χ^2/NDF : 27.7/31

All: -1.432 ± 1.031 χ^2/NDF : 67.4/63

- 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: 5257.950+/-1.271 χ^2/NDF : 3817832.6/14

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

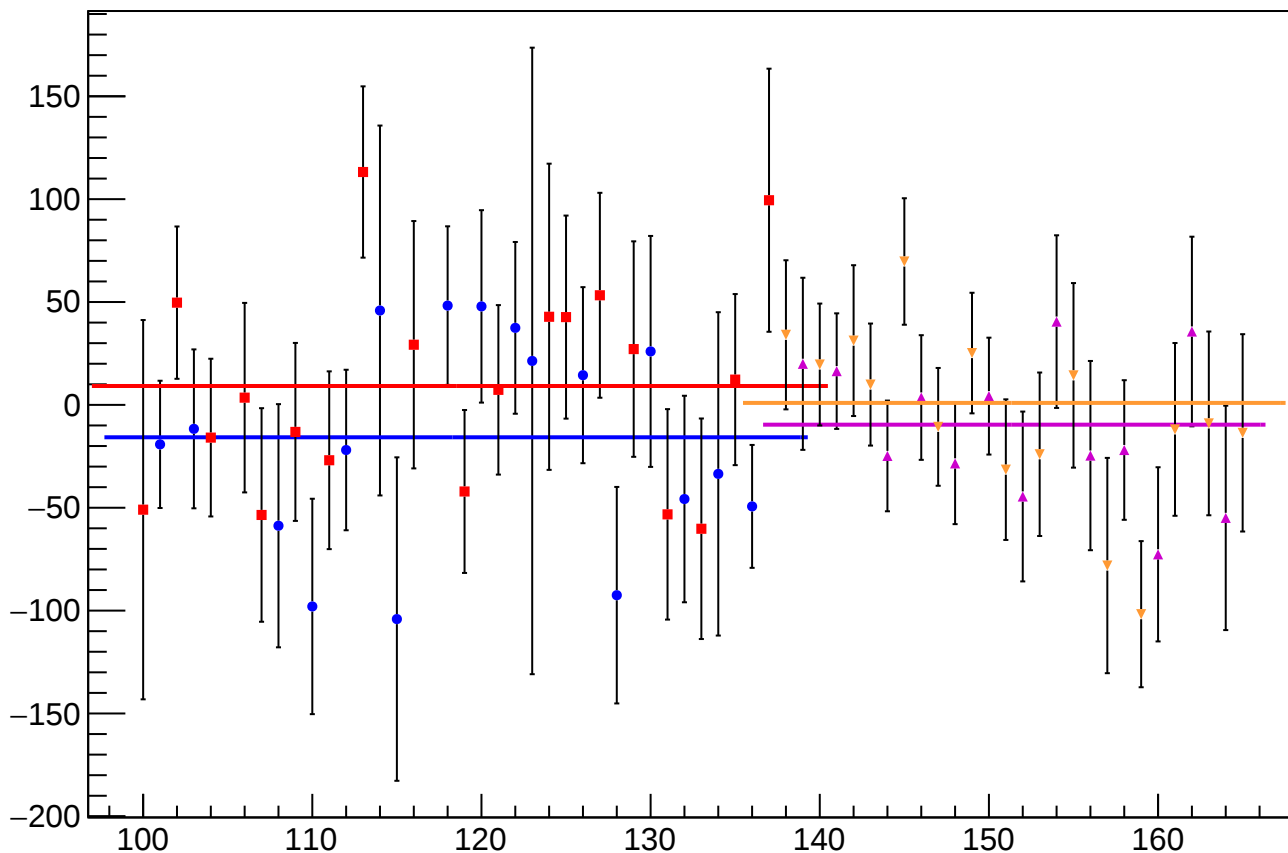
Left In: 4779.174+/-1.228 χ^2/NDF : 4840000.8/12

+ sign 5693.009+/-1.067 χ^2/NDF : 5659644.8/31

All: 5380.872+/-0.729 χ^2/NDF : 13033138.1/6

- 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: 0.964 ± 9.178 χ^2/NDF : 20.1/14

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

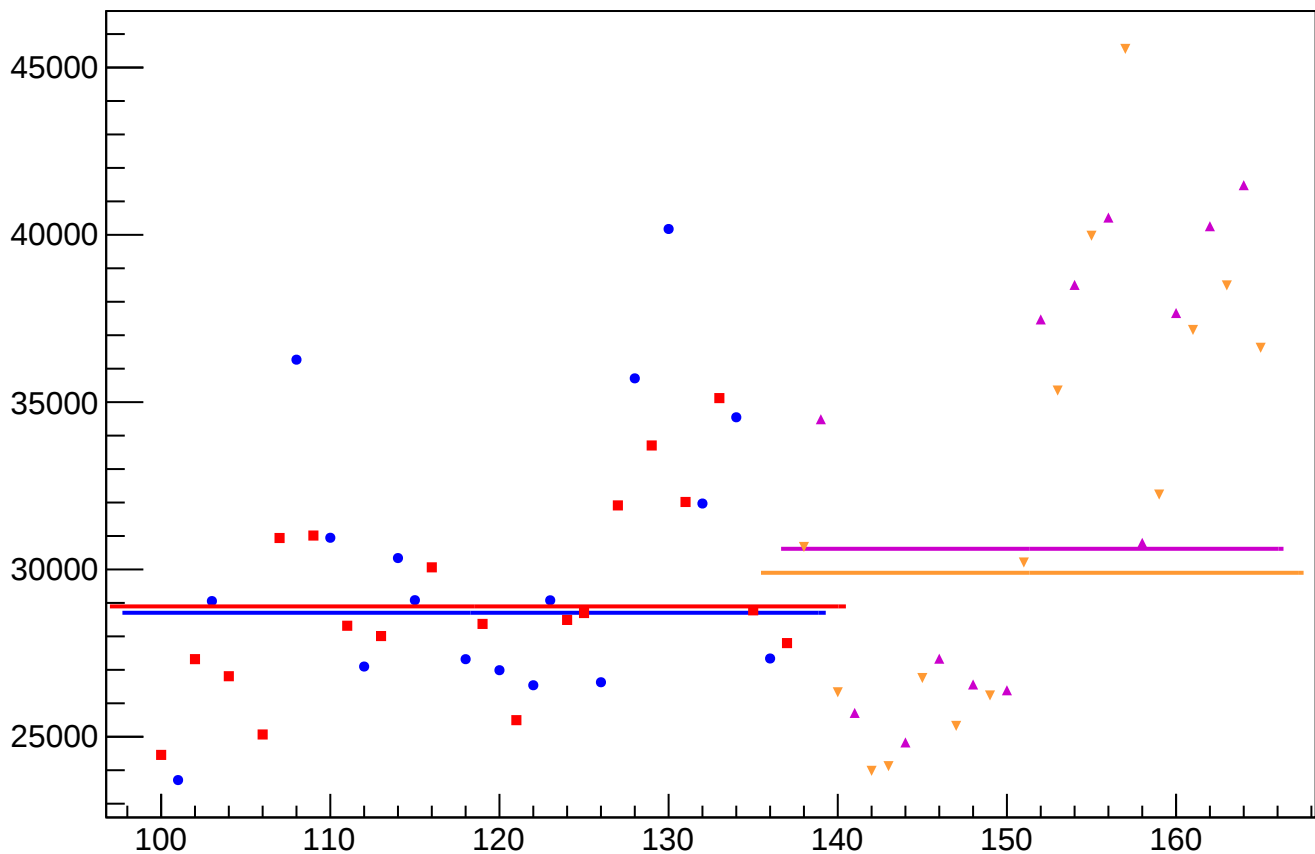
Left In: -9.622 ± 9.733 χ^2/NDF : 8.8/12

+ sign -5.745 ± 7.101 χ^2/NDF : 37.4/31

All: -3.557 ± 5.075 χ^2/NDF : 67.2/63

- 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: 29900.413+/-6.490 χ^2/NDF : 760669.7/14

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

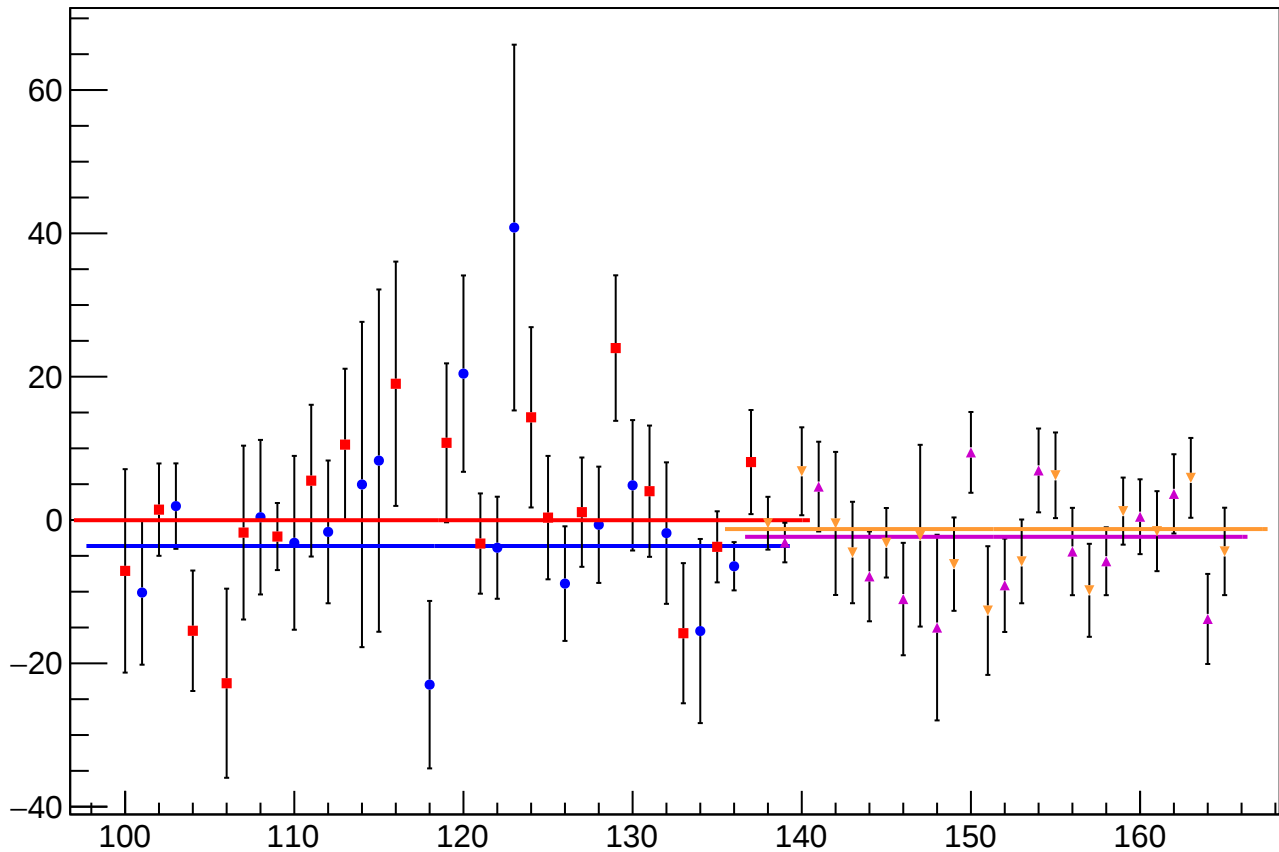
Left In: 30617.412+/-6.882 χ^2/NDF : 716904.0/12

+ sign 29420.801+/-5.021 χ^2/NDF : 1025269.5/31

All: 29632.058+/-3.589 χ^2/NDF : 1884804.8/6

- 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: -1.262 ± 1.520 χ^2/NDF : 10.4/14

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

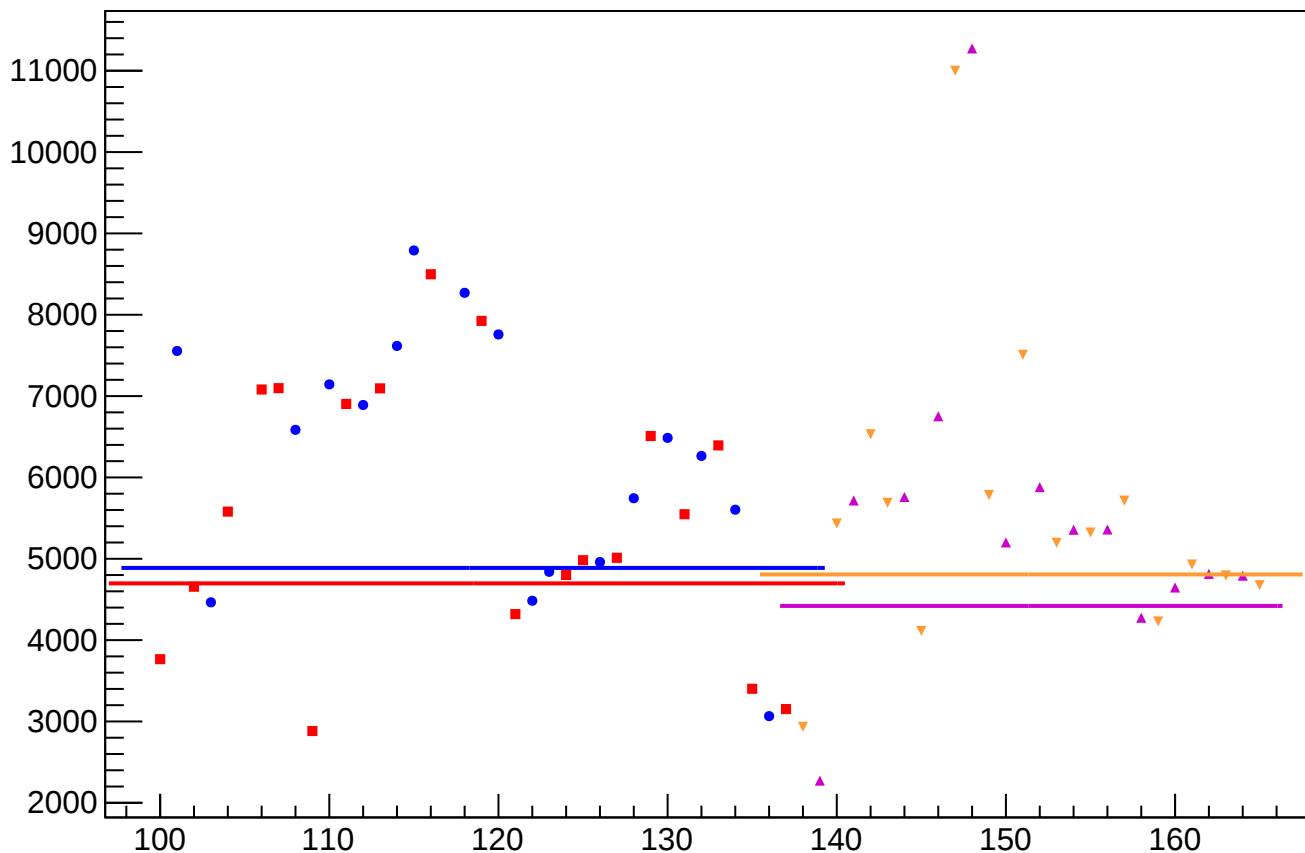
Left In: -2.342 ± 1.483 χ^2/NDF : 17.7/12

+ sign -2.124 ± 1.211 χ^2/NDF : 25.0/31

All: -1.780 ± 0.840 χ^2/NDF : 65.9/63

- 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: 4807.517 $\pm$ 1.075 χ^2 /NDF: 1467668.5/14

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

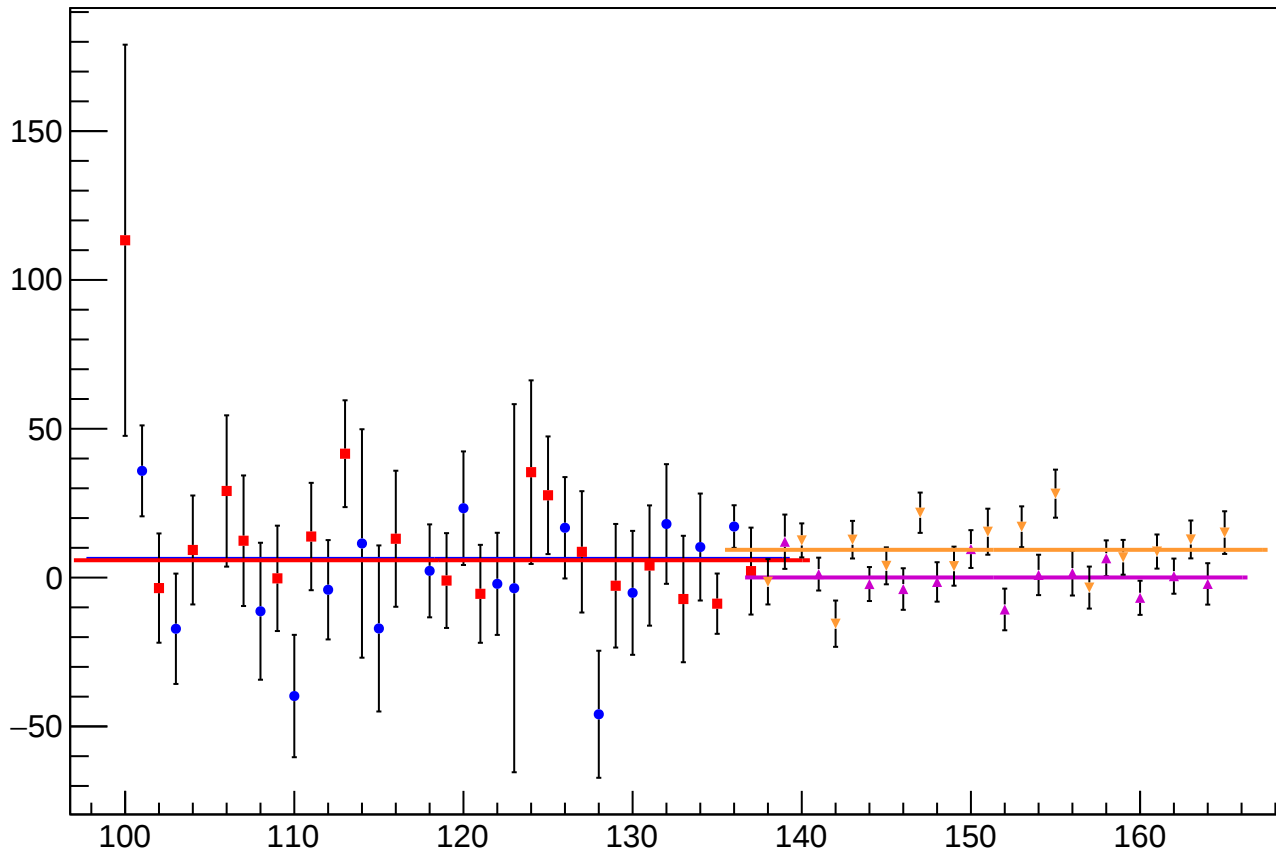
Left In: 4420.447 $\pm$ 1.049 χ^2 /NDF: 2384339.9/12

+ sign 4836.695 $\pm$ 0.857 χ^2 /NDF: 2878985.8/31

All: 4675.539 $\pm$ 0.594 χ^2 /NDF: 6671300.0/63

- 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: 9.331 ± 1.721 χ^2/NDF : 29.4/14

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

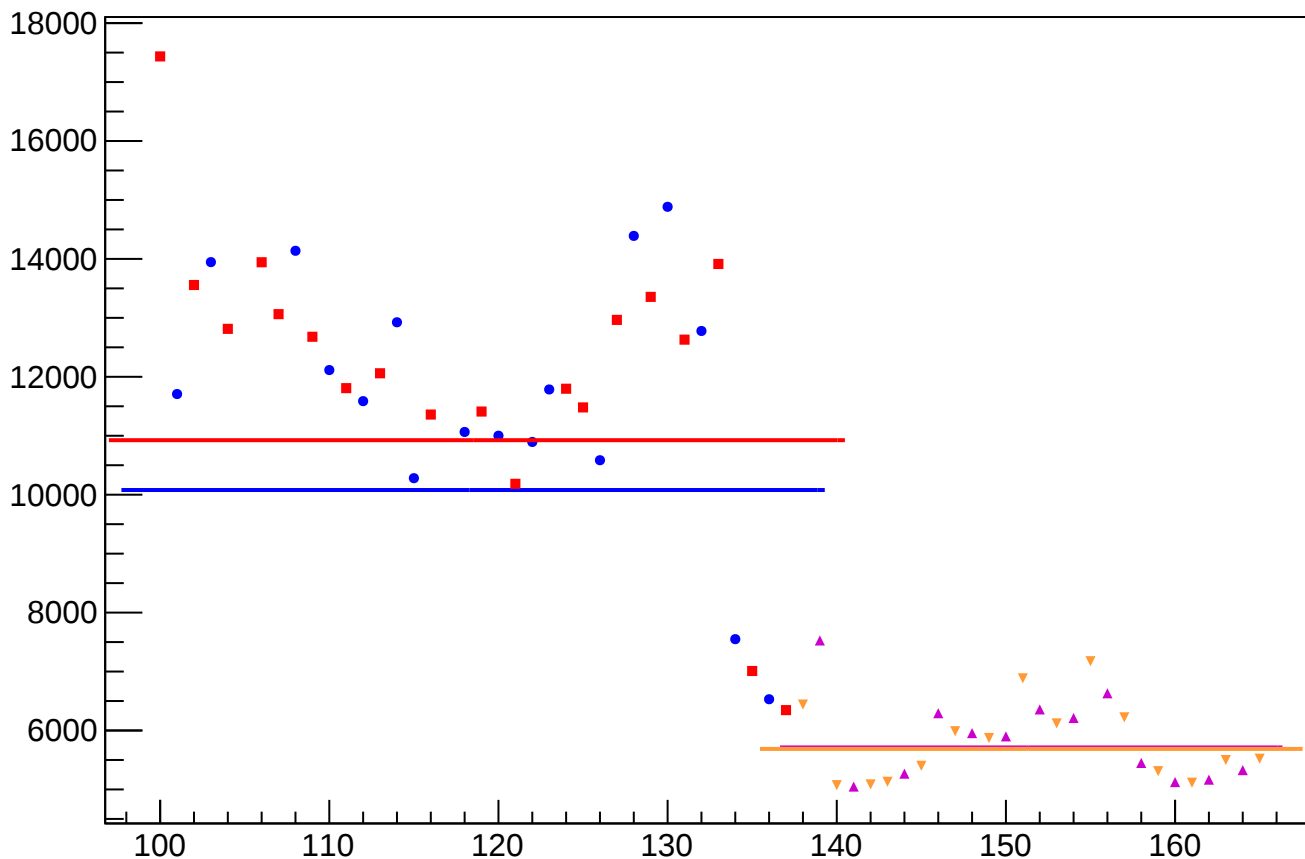
Left In: 0.046 ± 1.794 χ^2/NDF : 9.6/12

+ sign 8.868 ± 1.585 χ^2/NDF : 52.4/31

All: 5.061 ± 1.143 χ^2/NDF : 89.4/63

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

diff_bpm16X_rms vs Slug



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

Left Out: 5687.751+/-1.217 χ^2/NDF : 246535.1/14

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

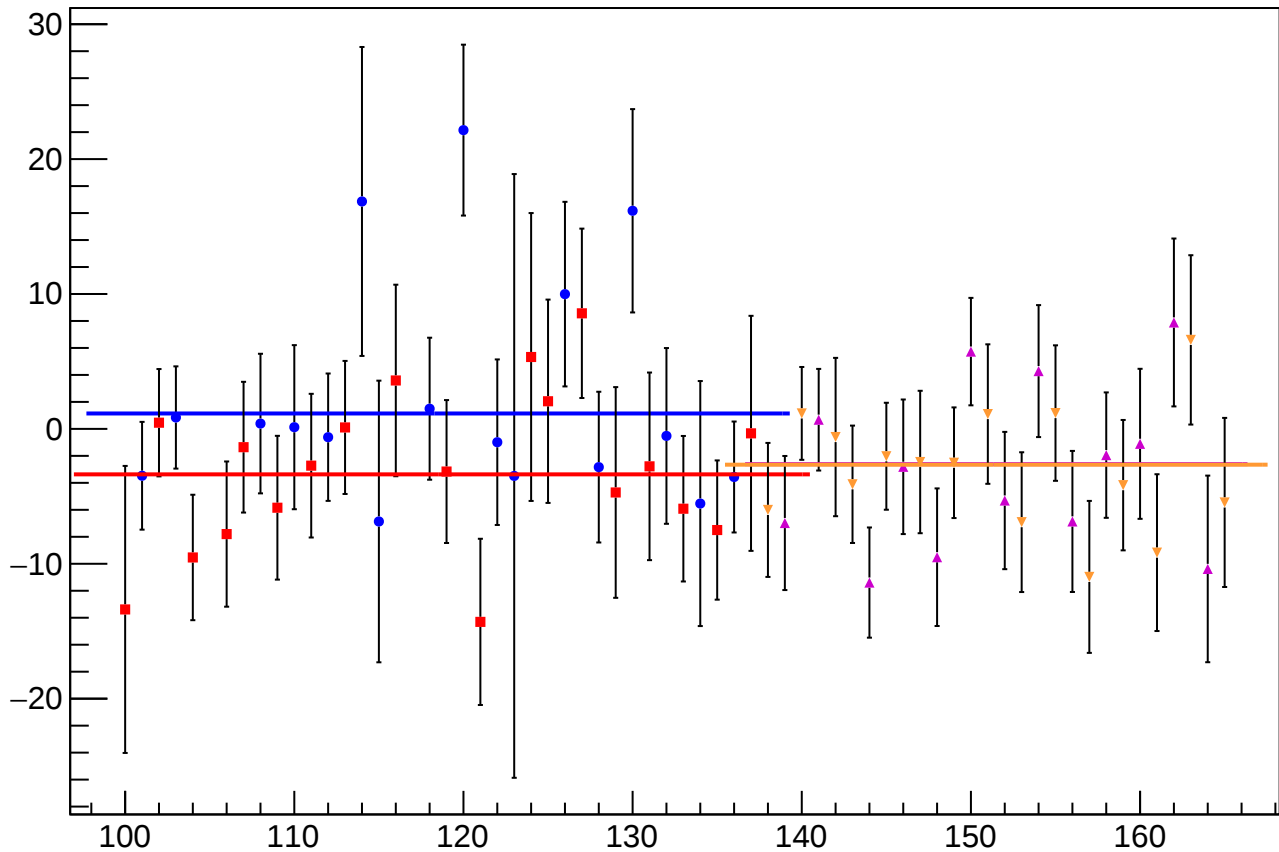
Left In: 5712.440+/-1.268 χ^2/NDF : 244104.6/12

+ sign 6355.449+/-1.121 χ^2/NDF : 3221552.2/31

All: 6429.661+/-0.808 χ^2/NDF : 6828330.9/63

- sign 6510.176+/-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: -2.654 ± 1.255 χ^2/NDF : 9.6/14

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

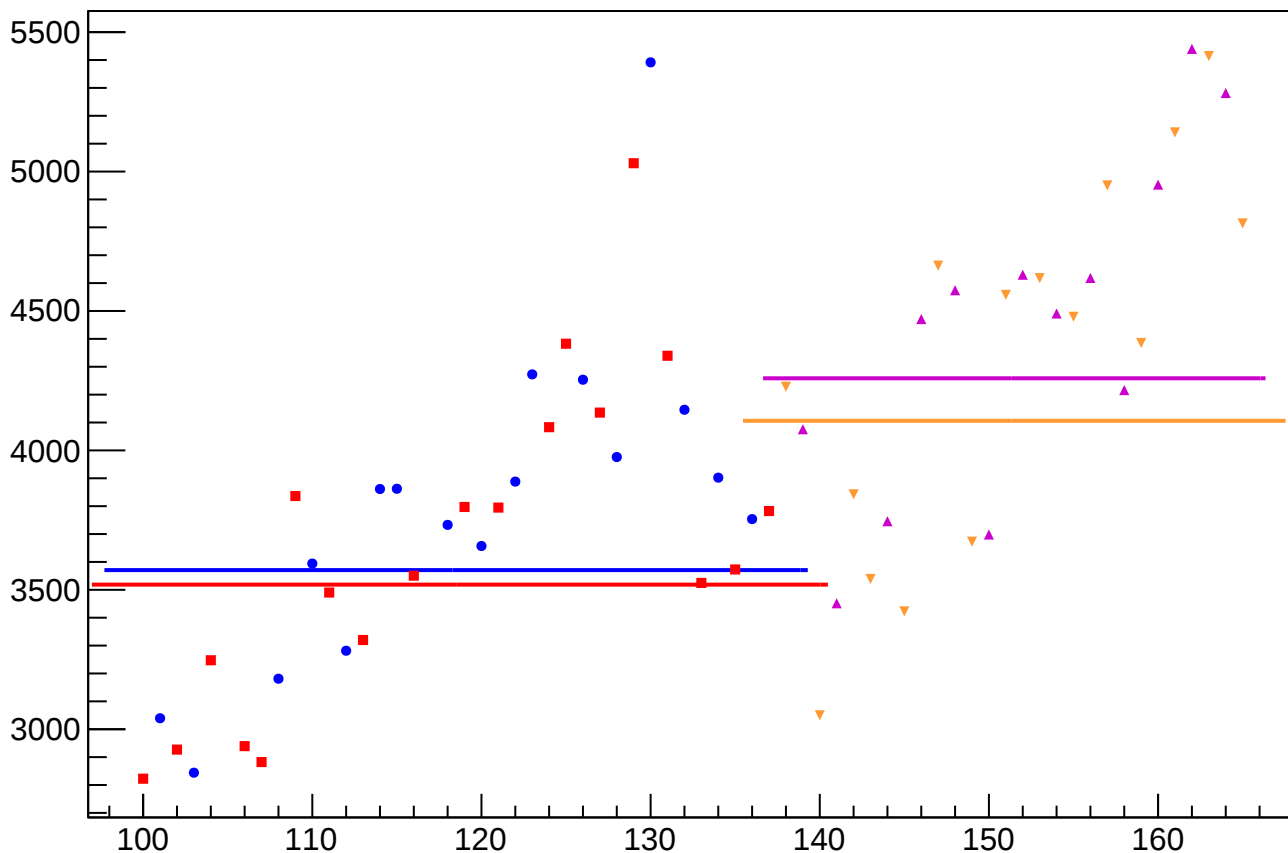
Left In: -2.615 ± 1.342 χ^2/NDF : 19.5/12

+ sign -0.956 ± 0.933 χ^2/NDF : 37.0/31

All: -1.962 ± 0.664 χ^2/NDF : 74.1/63

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

diff_bpm16Y_rms vs Slug



Right In: 3570.707 $\pm$ 0.987 χ^2 /NDF: 309568.0/16

Left Out: 4106.167 $\pm$ 0.887 χ^2 /NDF: 604661.4/14

Right Out: 3518.621 $\pm$ 0.943 χ^2 /NDF: 293227.8/18

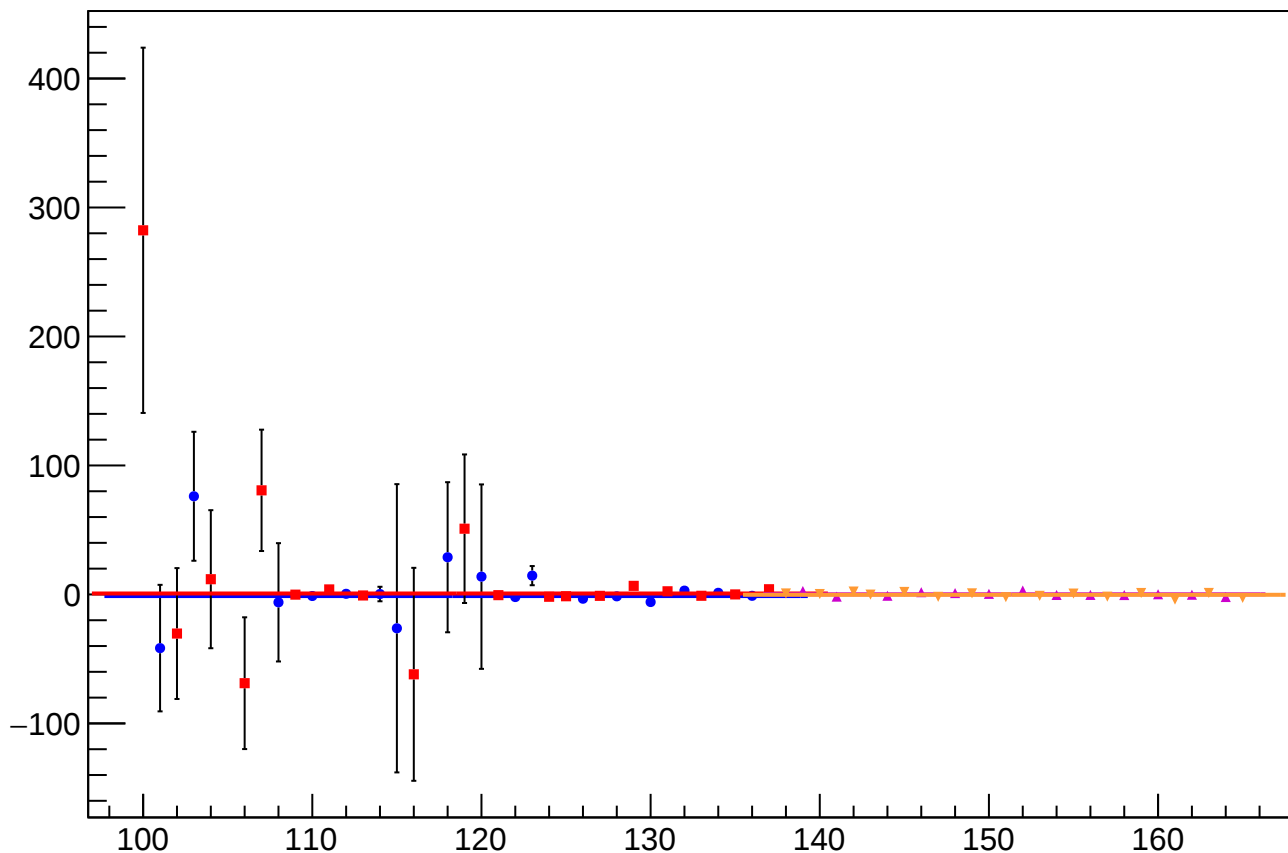
Left In: 4258.581 $\pm$ 0.949 χ^2 /NDF: 348676.1/12

+ sign 3866.672 $\pm$ 0.660 χ^2 /NDF: 1077054.6/31

All: 3876.214 $\pm$ 0.470 χ^2 /NDF: 2025311.1/63

- sign 3886.021 $\pm$ 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: -0.277 ± 0.318 χ^2/NDF : 29.8/14

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

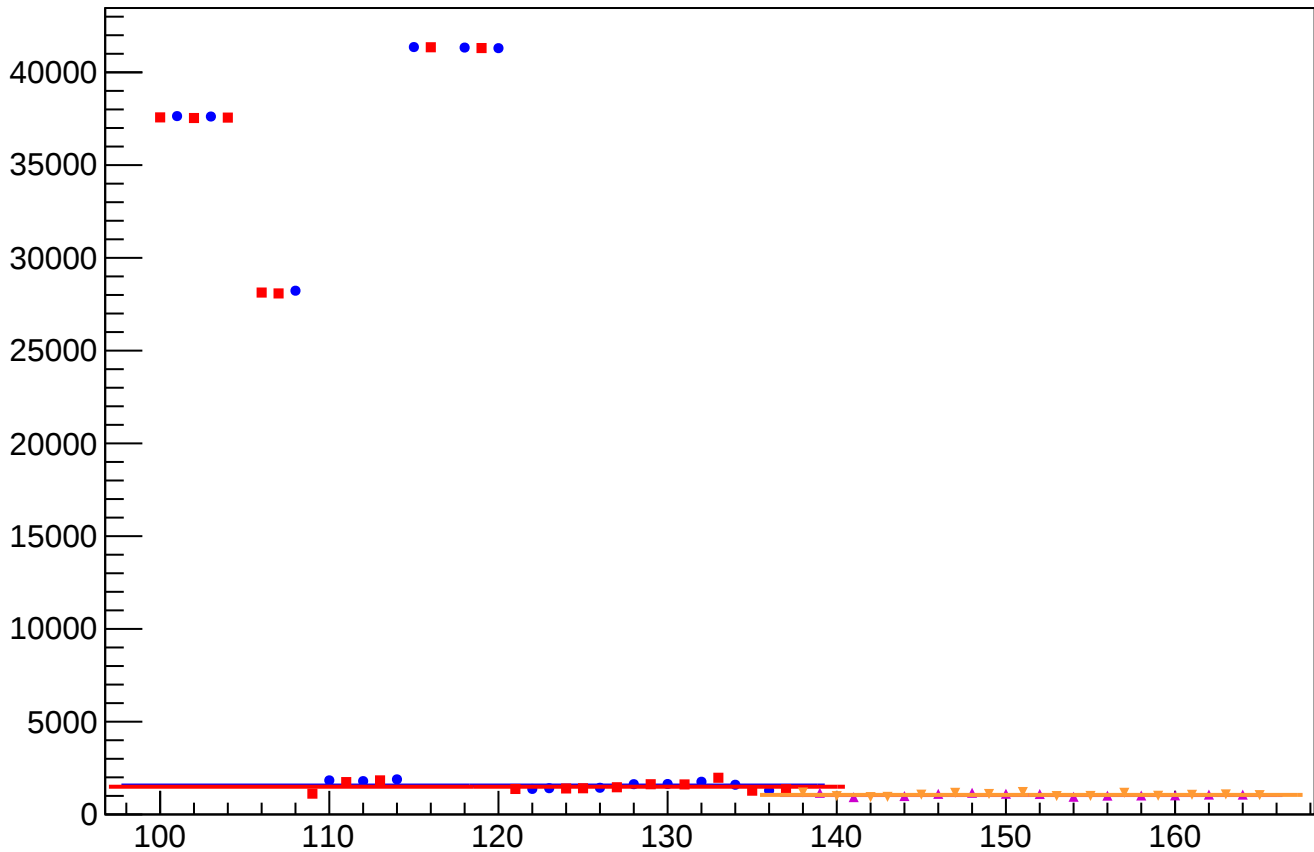
Left In: 0.103 ± 0.328 χ^2/NDF : 18.5/12

+ sign -0.427 ± 0.292 χ^2/NDF : 47.5/31

All: -0.112 ± 0.209 χ^2/NDF : 91.1/63

- 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: 1054.294 $\pm$ 0.225 χ^2 /NDF: 129619.9/14

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

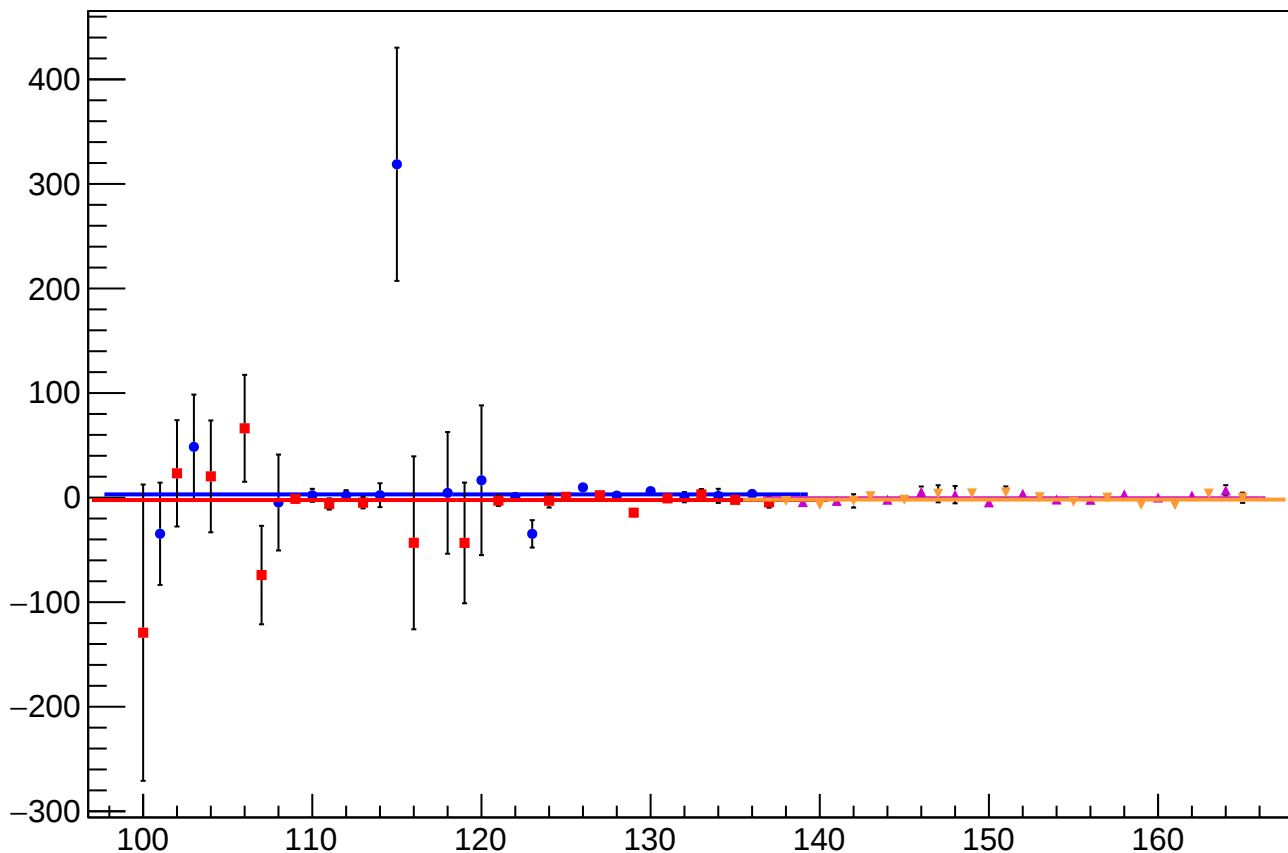
Left In: 1046.602 $\pm$ 0.232 χ^2 /NDF: 97416.7/12

+ sign 1131.445 $\pm$ 0.207 χ^2 /NDF: 5654901.1/31

All: 1128.362 $\pm$ 0.147 χ^2 /NDF: 11301837.7/6

- 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: -1.874 ± 1.038 χ^2/NDF : 11.9/14

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

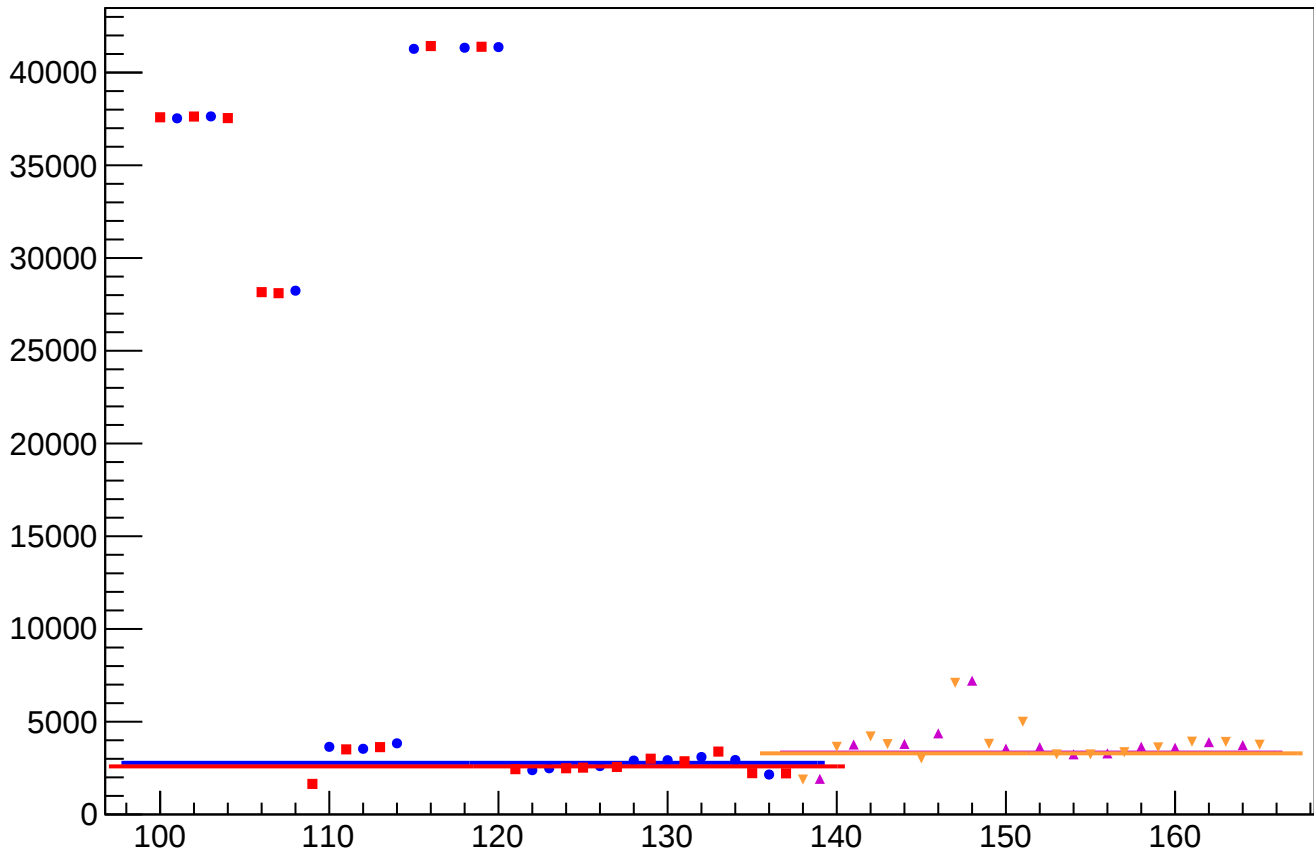
Left In: -0.663 ± 1.088 χ^2/NDF : 10.6/12

+ sign 0.012 ± 0.817 χ^2/NDF : 42.5/31

All: -0.685 ± 0.577 χ^2/NDF : 72.4/63

- 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: 3294.490+/-0.734 χ^2/NDF : 1610604.5/14

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

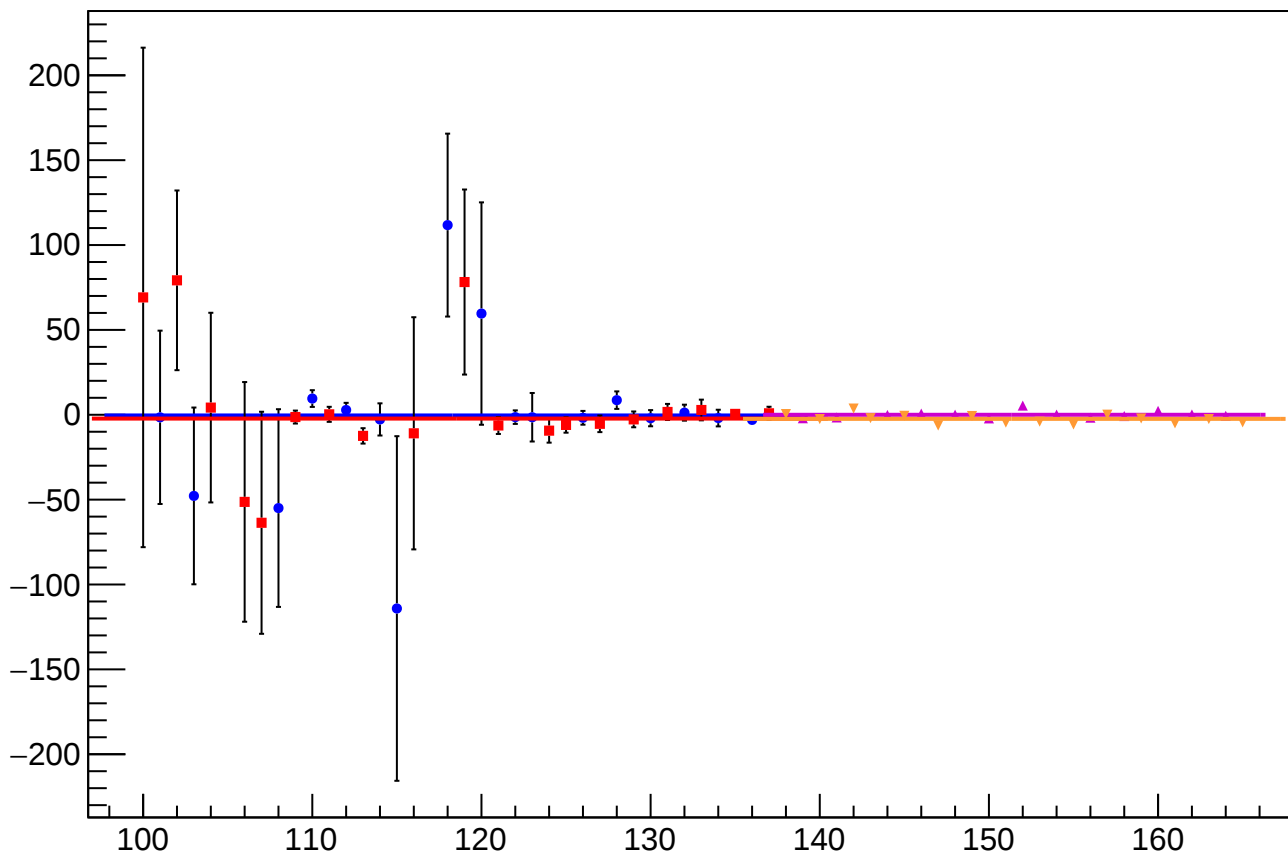
Left In: 3335.696+/-0.769 χ^2/NDF : 1370148.2/12

+ sign 3099.921+/-0.578 χ^2/NDF : 6372257.0/31

All: 3055.082+/-0.408 χ^2/NDF : 13010713.3/6

- 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: -2.415 ± 0.499 χ^2/NDF : 24.1/14

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

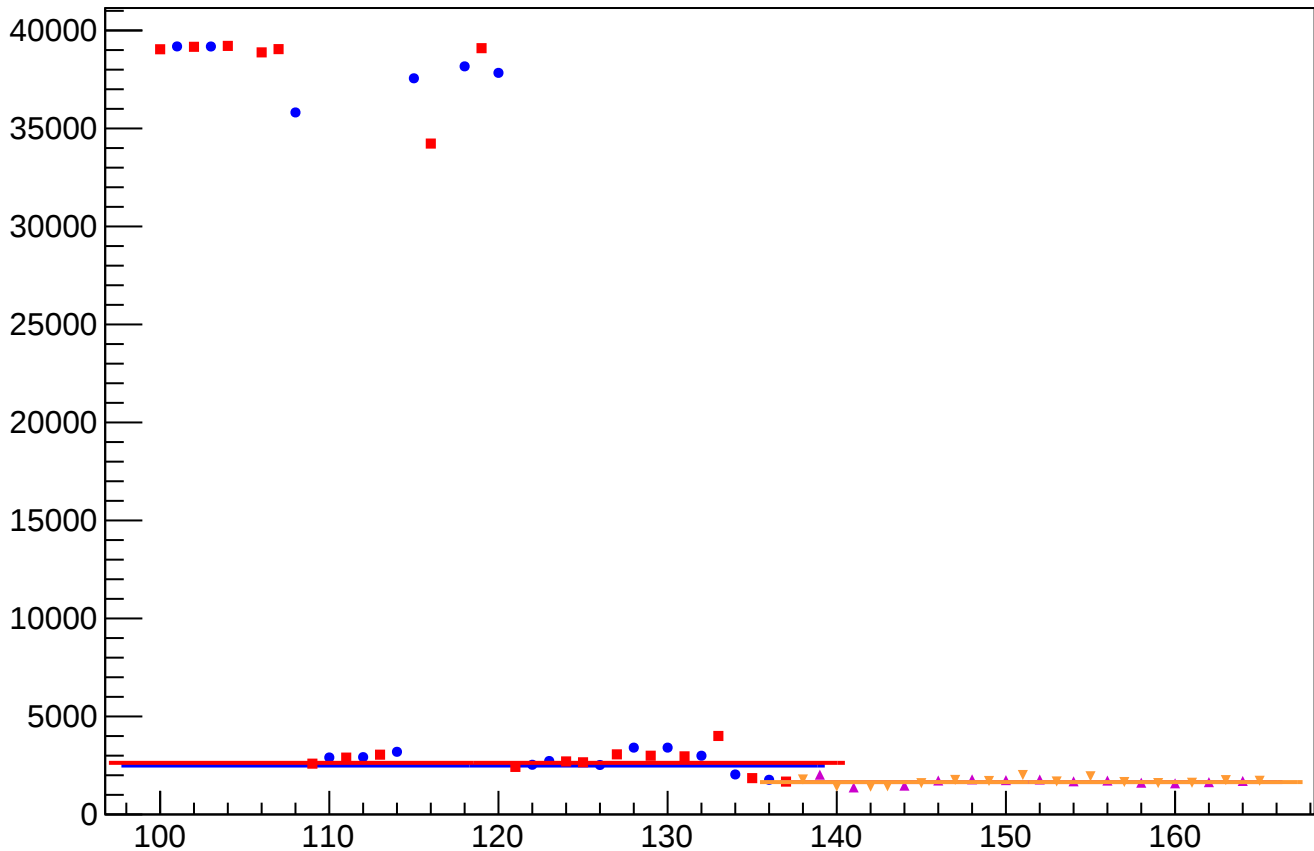
Left In: -0.012 ± 0.518 χ^2/NDF : 13.4/12

+ sign -2.126 ± 0.462 χ^2/NDF : 44.7/31

All: -1.267 ± 0.332 χ^2/NDF : 85.5/63

- 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: 1651.143 $\pm$ 0.353 χ^2 /NDF: 210909.4/14

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

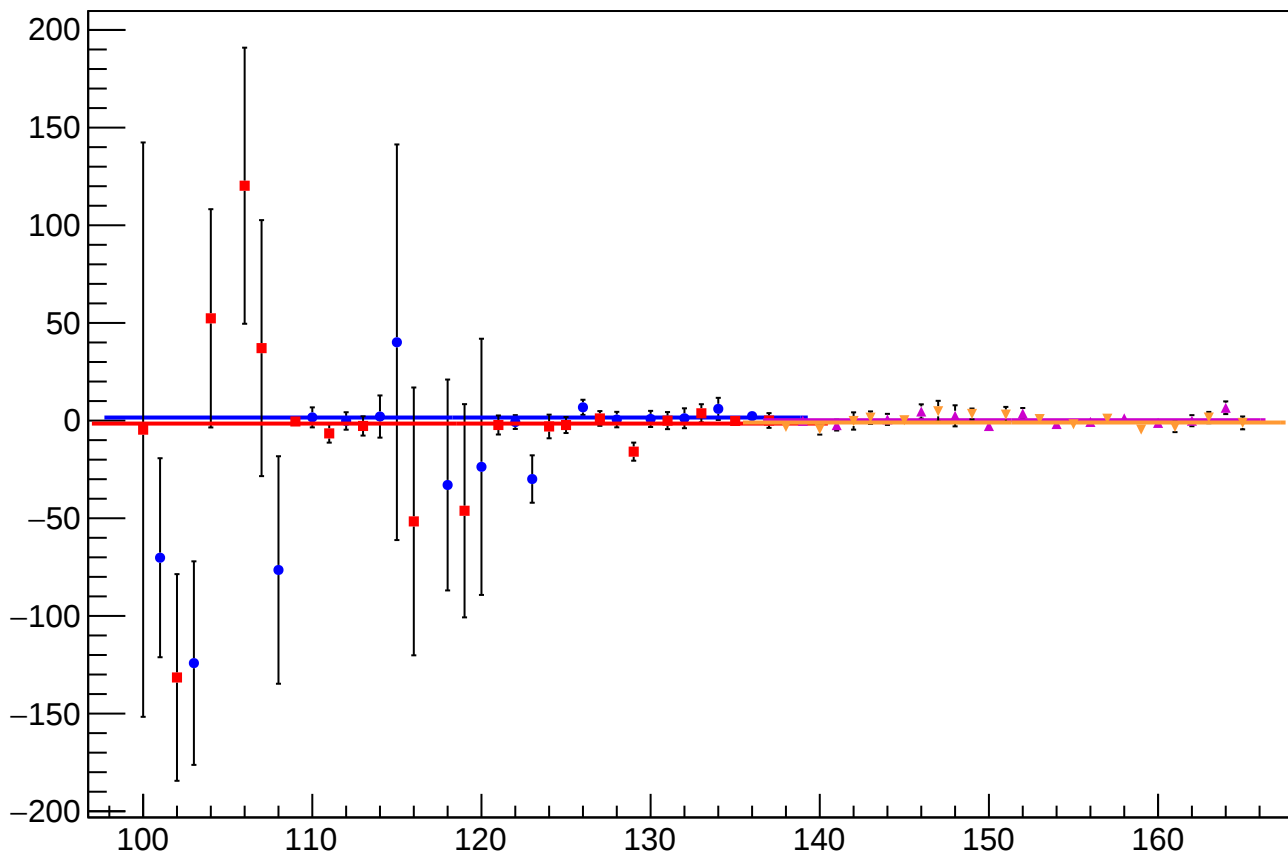
Left In: 1653.457 $\pm$ 0.367 χ^2 /NDF: 174220.2/12

+ sign 1772.426 $\pm$ 0.326 χ^2 /NDF: 5916776.4/31

All: 1784.780 $\pm$ 0.235 χ^2 /NDF: 12008768.3/6

- 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: -0.977 ± 0.680 χ^2/NDF : 14.5/14

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

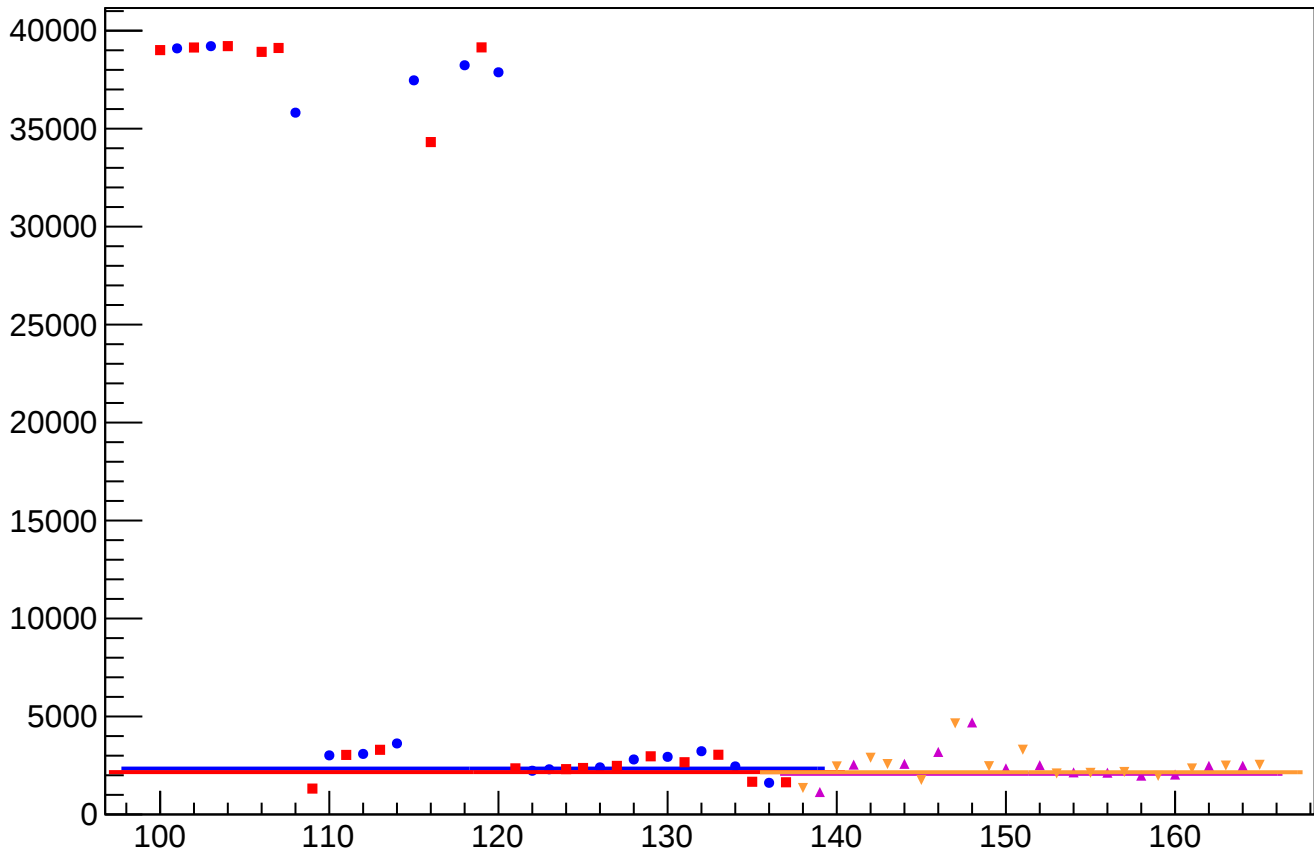
Left In: 0.203 ± 0.685 χ^2/NDF : 10.6/12

+ sign -0.309 ± 0.584 χ^2/NDF : 38.6/31

All: -0.307 ± 0.410 χ^2/NDF : 76.0/63

- 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: 2154.439+/-0.481 χ^2/NDF : 1340623.9/14

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

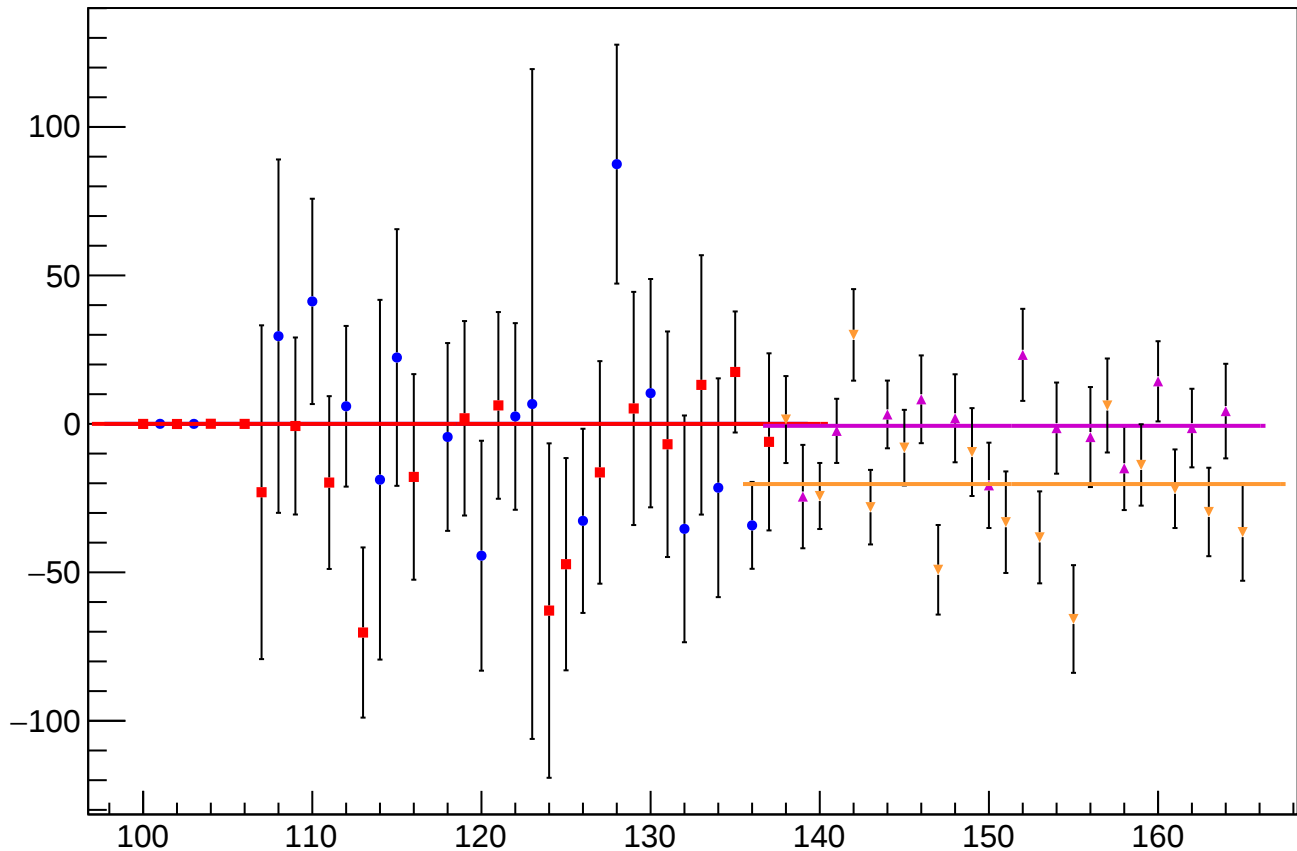
Left In: 2074.327+/-0.484 χ^2/NDF : 1828239.1/12

+ sign 2203.253+/-0.413 χ^2/NDF : 6386896.7/31

All: 2150.758+/-0.290 χ^2/NDF : 13555415.2/6

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

diff_cav4bX_mean vs Slug



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

Left Out: -20.262 ± 3.719 χ^2/NDF : 31.0/14

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

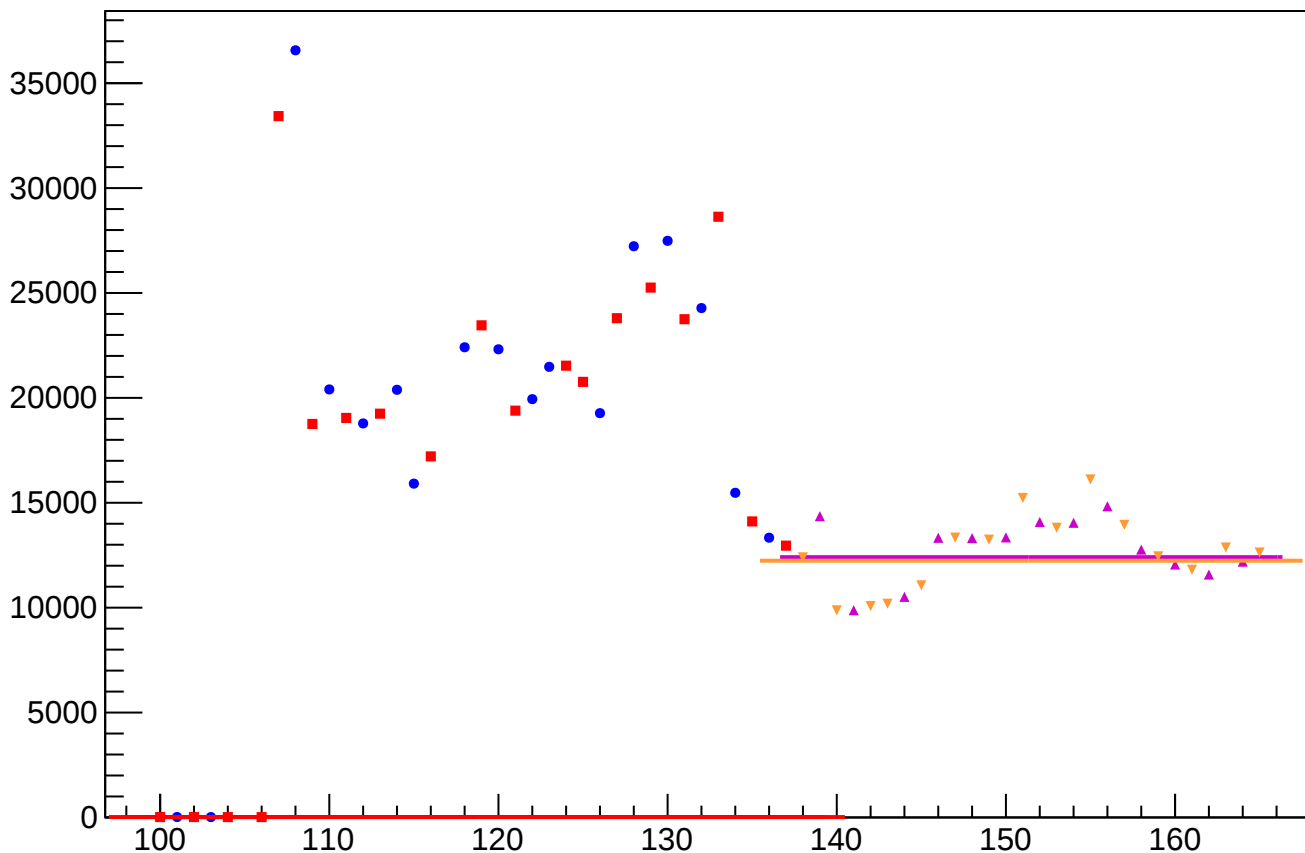
Left In: -0.654 ± 3.903 χ^2/NDF : 9.1/12

+ sign 0.013 ± 0.017 χ^2/NDF : 76.9/31

All: 0.008 ± 0.012 χ^2/NDF : 102.1/63

- sign 0.003 ± 0.016 χ^2/NDF : 25.1/31

diff_cav4bX_rms vs Slug



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

Left Out: 12238.309 $\pm$ 2.630 χ^2 /NDF: 424055.0/14

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

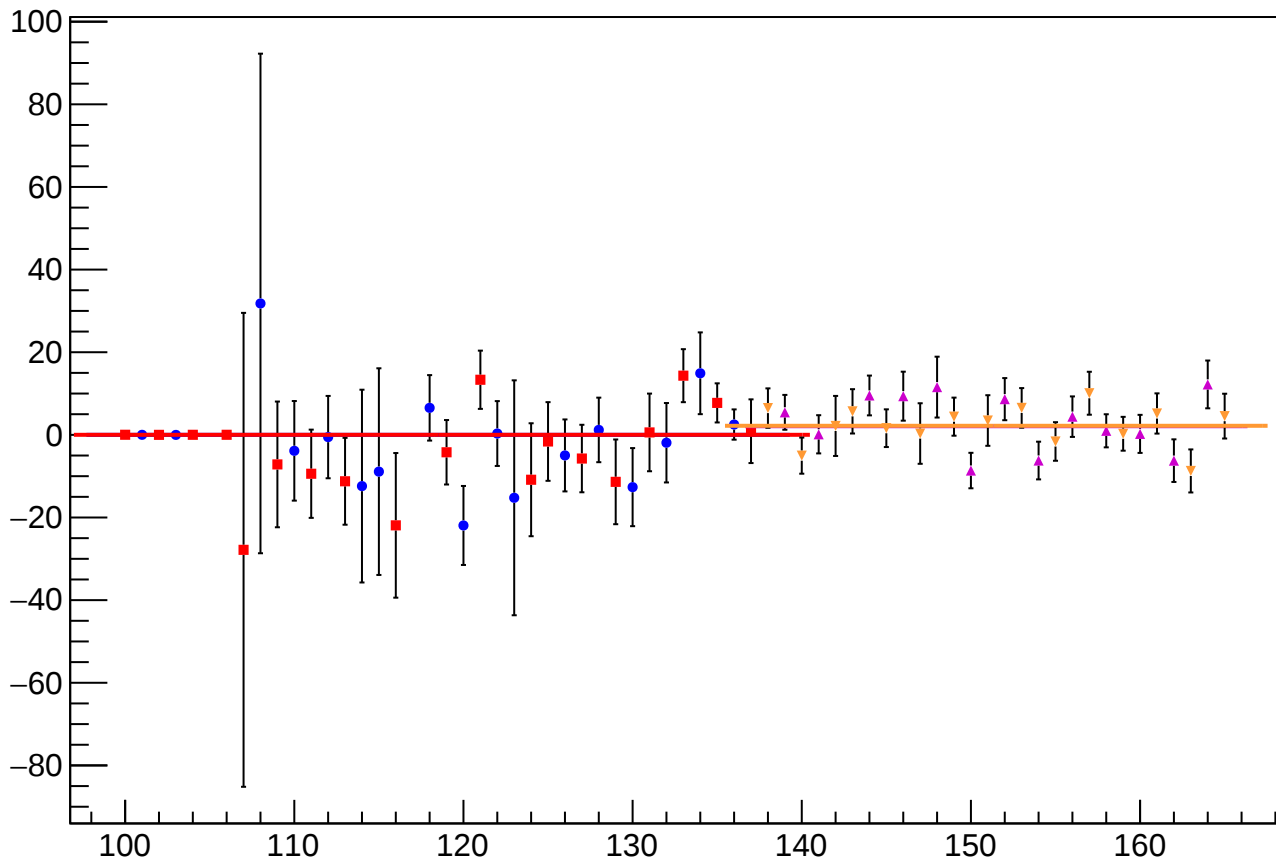
Left In: 12407.699 $\pm$ 2.760 χ^2 /NDF: 312276.8/12

+ sign 18.907 $\pm$ 0.012 χ^2 /NDF: 32998116.3/31

All: 18.700 $\pm$ 0.008 χ^2 /NDF: 64571100.1/63

- 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: 2.198 $\pm$ 1.302 χ^2 /NDF:13.3/14

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

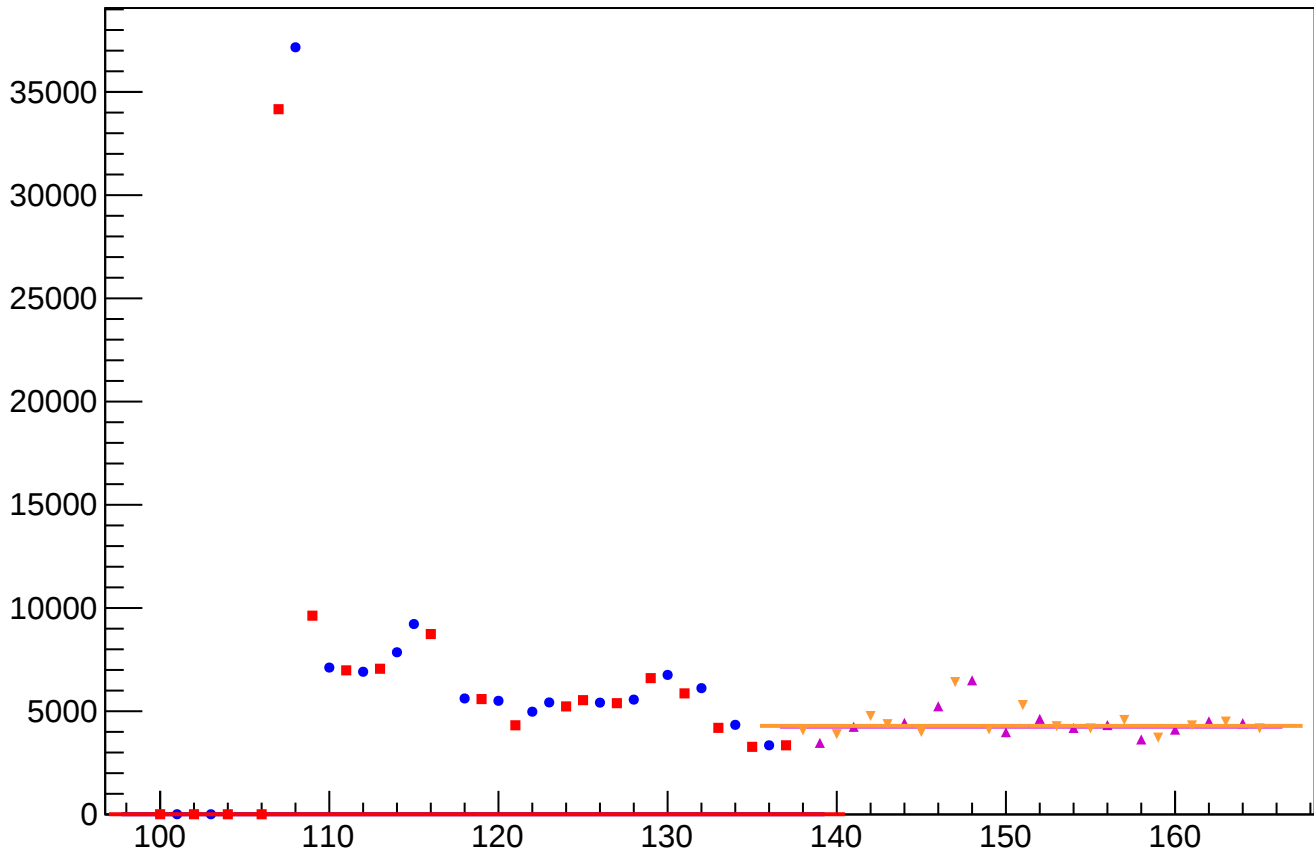
Left In: 2.093 $\pm$ 1.345 χ^2 /NDF:23.7/12

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 29.2/31

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 75.0/63

- 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: 4290.502+/-0.921 χ^2/NDF :313973.8/14

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

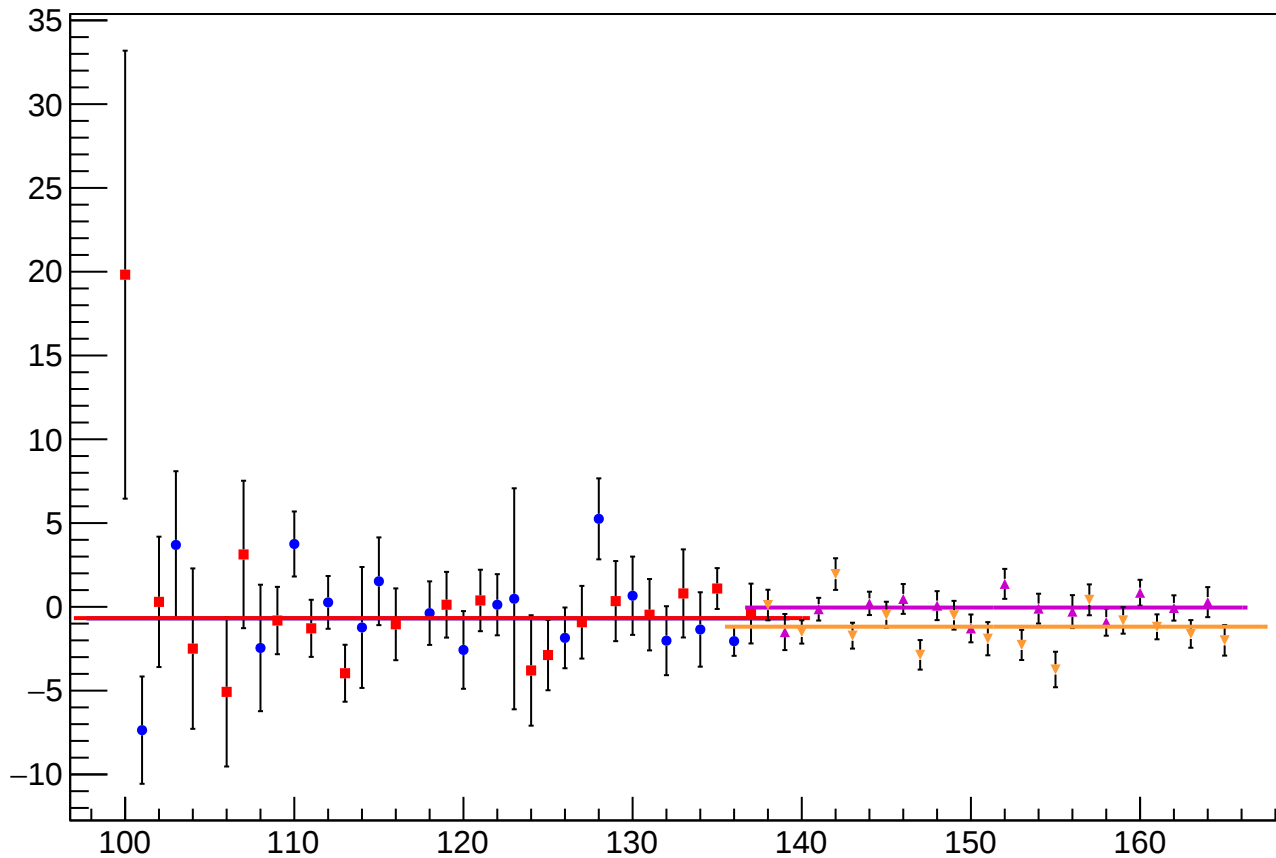
Left In: 4257.576+/-0.951 χ^2/NDF :389857.7/12

+ sign 10.153+/-0.007 χ^2/NDF : 33040557.0/31

All: 10.088+/-0.004 χ^2/NDF : 64527430.0/63

- 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: -1.183 ± 0.219 χ^2/NDF : 31.0/14

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

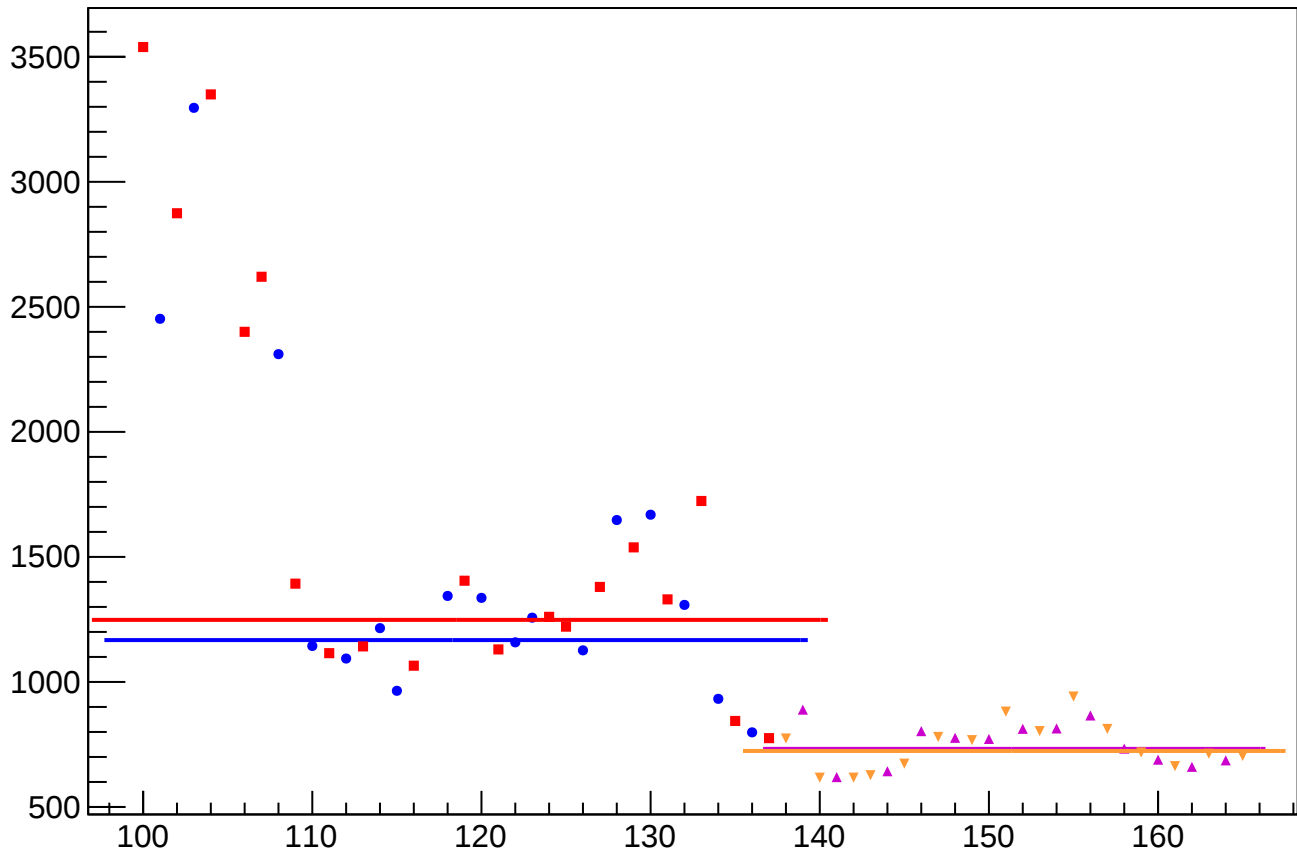
Left In: -0.042 ± 0.230 χ^2/NDF : 9.8/12

+ sign -1.099 ± 0.200 χ^2/NDF : 54.4/31

All: -0.647 ± 0.144 χ^2/NDF : 89.5/63

- 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: 723.970 $\pm$ 0.155 χ^2 /NDF: 315484.4/14

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

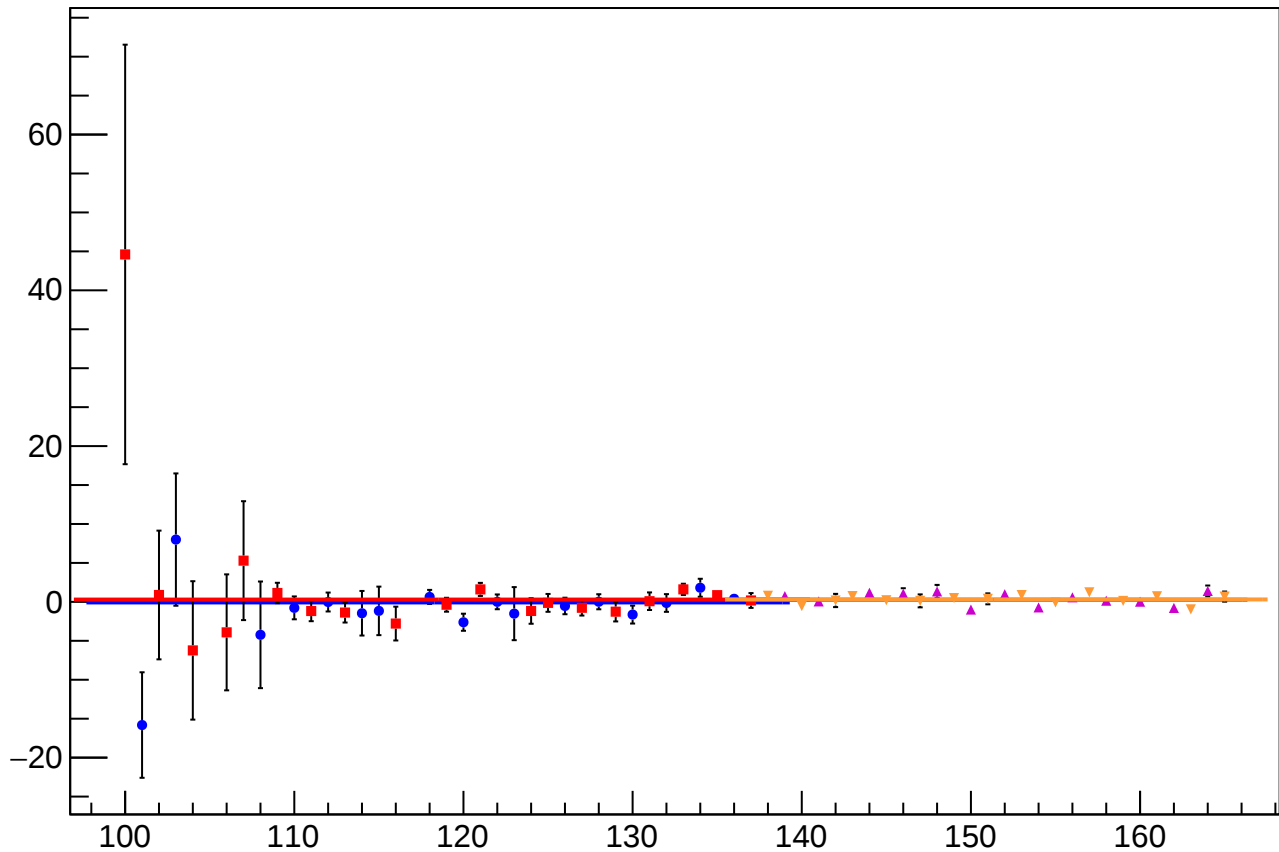
Left In: 732.326 $\pm$ 0.163 χ^2 /NDF: 252908.0/12

+ sign 799.988 $\pm$ 0.141 χ^2 /NDF: 3294743.9/31

All: 810.589 $\pm$ 0.102 χ^2 /NDF: 6967137.0/63

- 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: 0.310 ± 0.156 χ^2/NDF : 12.6/14

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

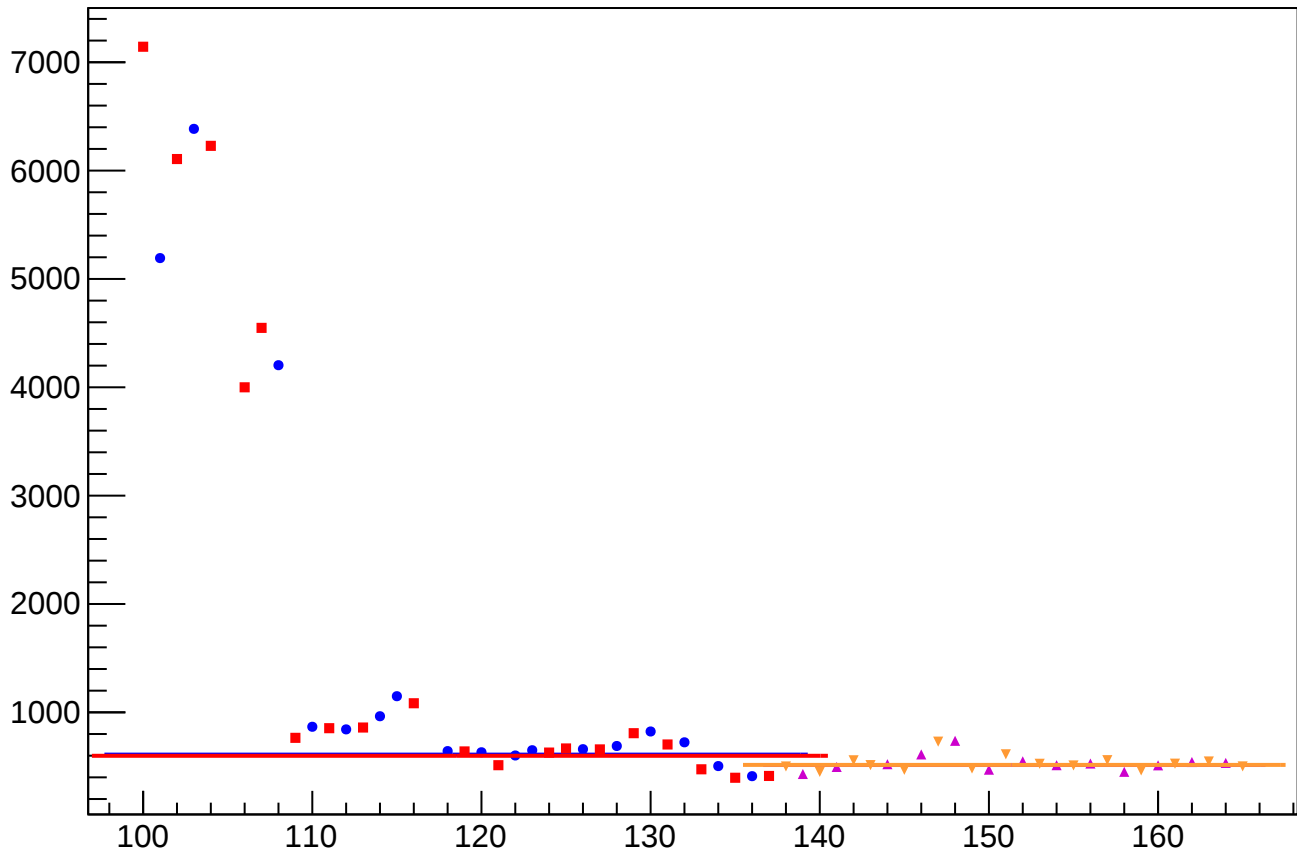
Left In: 0.274 ± 0.162 χ^2/NDF : 23.1/12

+ sign 0.213 ± 0.135 χ^2/NDF : 33.3/31

All: 0.246 ± 0.096 χ^2/NDF : 76.8/63

- 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: 514.872 $\pm$ 0.110 χ^2 /NDF: 268950.2/14

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

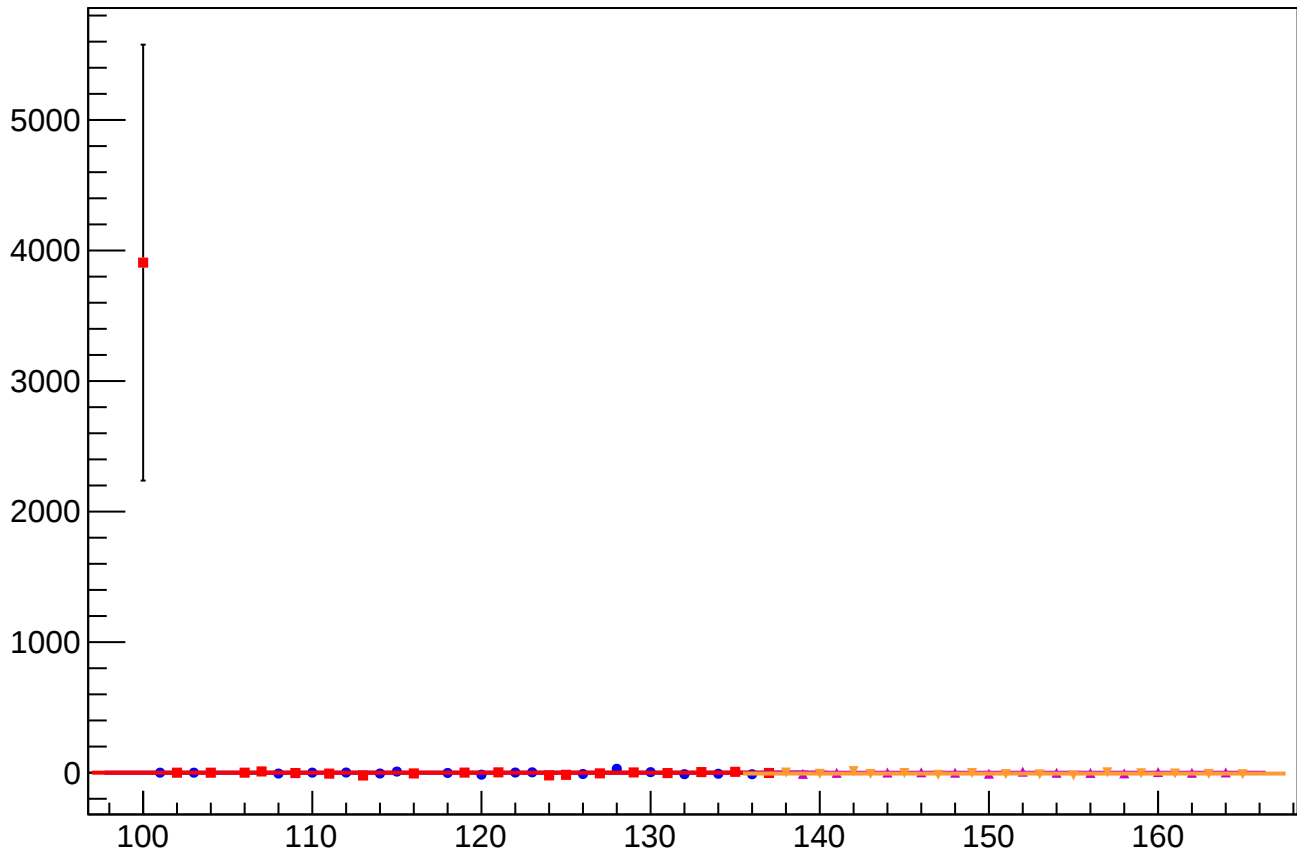
Left In: 513.875 $\pm$ 0.115 χ^2 /NDF: 295510.1/12

+ sign 538.813 $\pm$ 0.095 χ^2 /NDF: 3591669.0/31

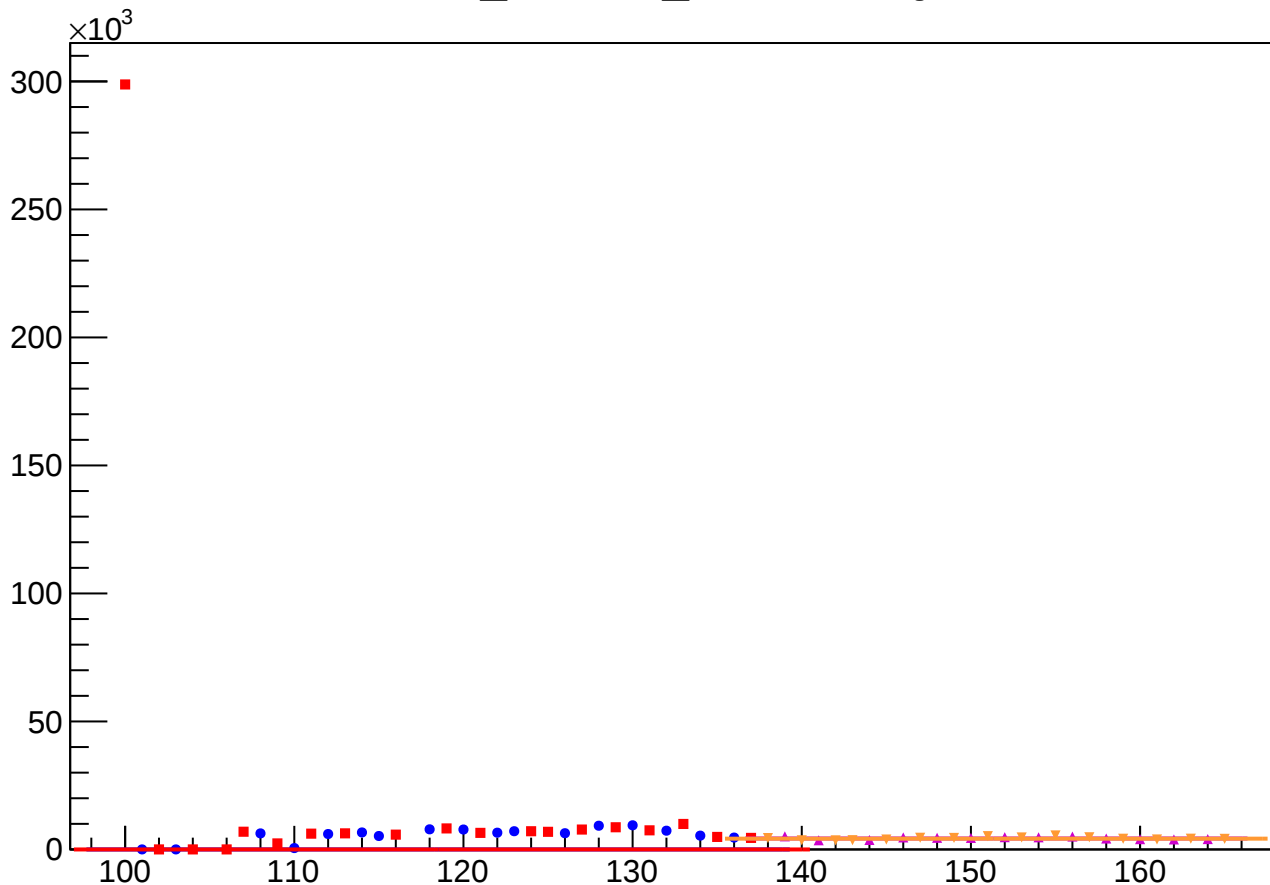
All: 538.006 $\pm$ 0.068 χ^2 /NDF: 7590945.5/63

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

diff_cav4dX_mean vs Slug



diff_cav4dX_rms vs Slug



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

Left Out: 4217.102 ± 0.904 χ^2/NDF : 333816.5/14

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

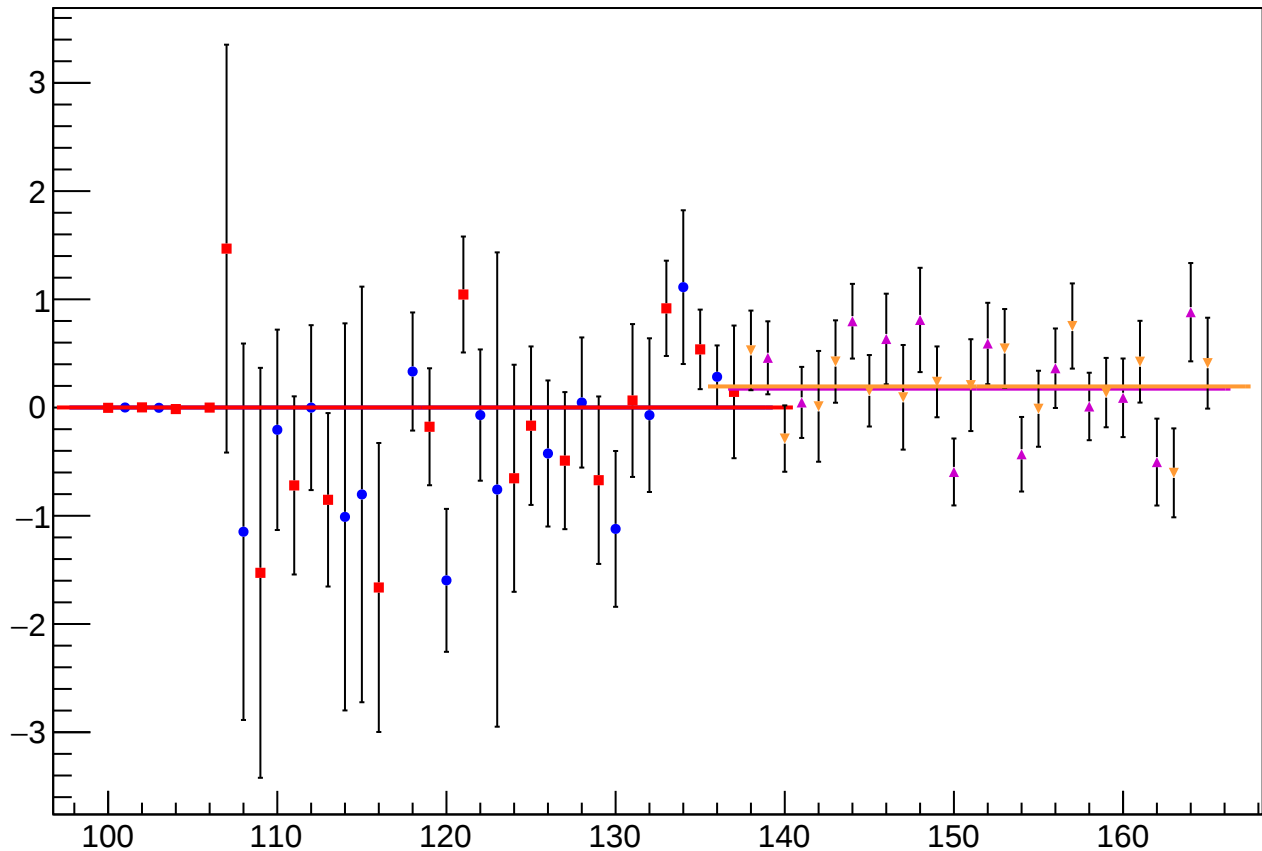
Left In: 4276.556 ± 0.950 χ^2/NDF : 256885.7/12

+ sign 18.452 ± 0.015 χ^2/NDF : 32413095.9/31

All: 18.315 ± 0.010 χ^2/NDF : 63601729.7/63

- 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: 0.195 ± 0.096 χ^2/NDF : 11.6/14

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

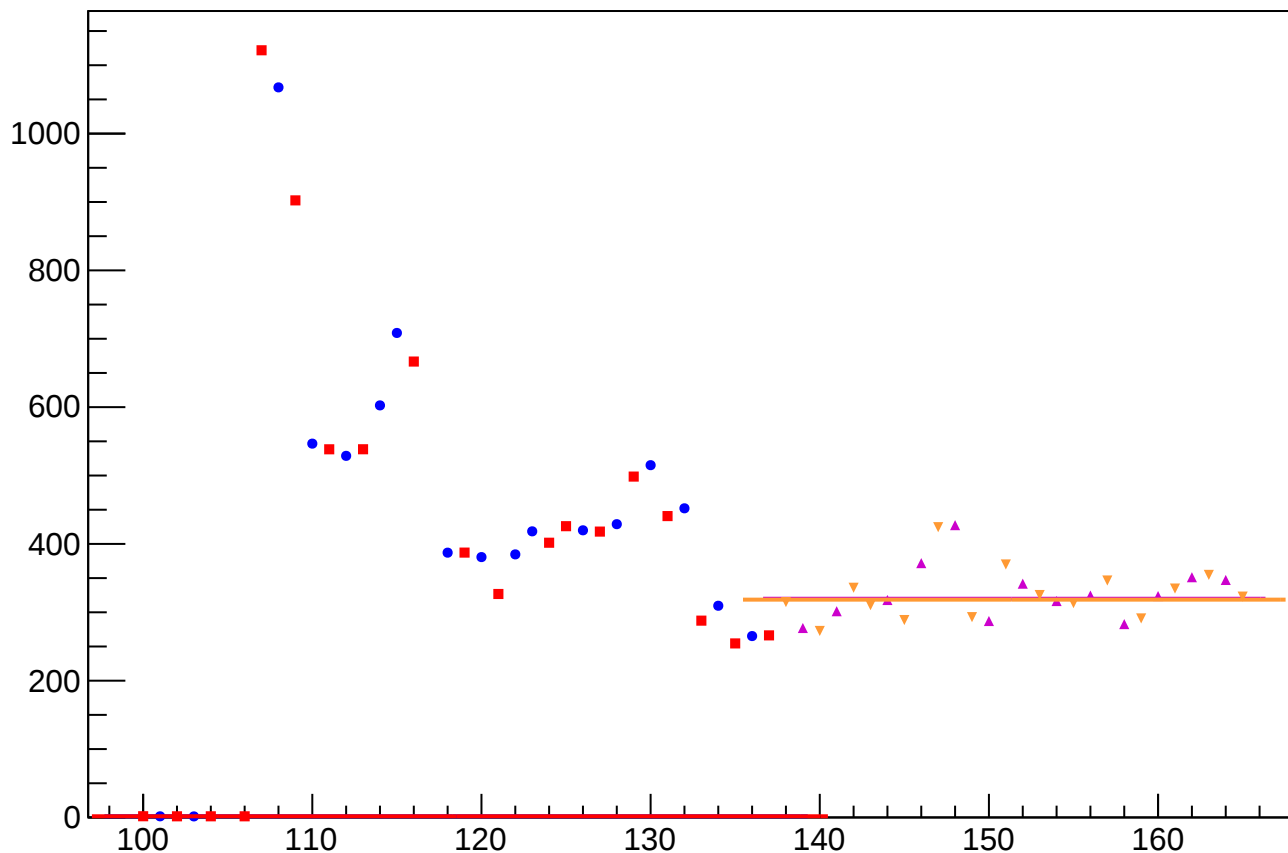
Left In: 0.175 ± 0.101 χ^2/NDF : 23.5/12

+ sign 0.000 ± 0.002 χ^2/NDF : 29.4/31

All: 0.001 ± 0.001 χ^2/NDF : 73.8/63

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

diff_cav4dY_rms vs Slug



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

Left Out: 318.513+/-0.068 χ^2/NDF : 247282.6/14

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

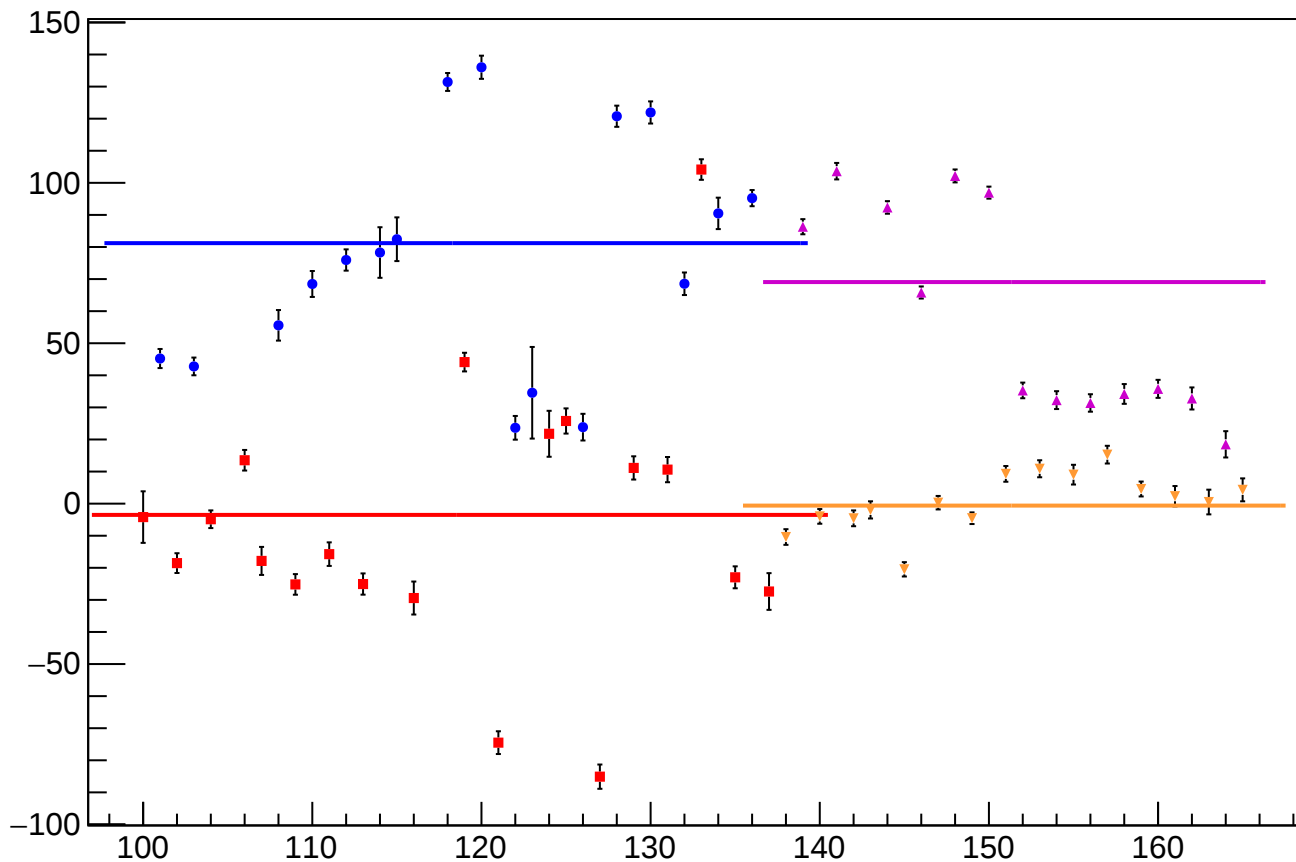
Left In: 319.819+/-0.071 χ^2/NDF : 246839.5/12

+ sign 1.839+/-0.001 χ^2/NDF : 32872140.2/31

All: 1.843+/-0.001 χ^2/NDF : 63842355.0/63

- sign 1.846+/-0.001 χ^2/NDF : 30970200.0/31

diff_bpm0i01X_mean vs Slug



Right In: 81.201 ± 0.886 χ^2/NDF : 1709.8/16

Left Out: -0.608 ± 0.650 χ^2/NDF : 190.6/14

Right Out: -3.508 ± 0.843 χ^2/NDF : 2599.0/18

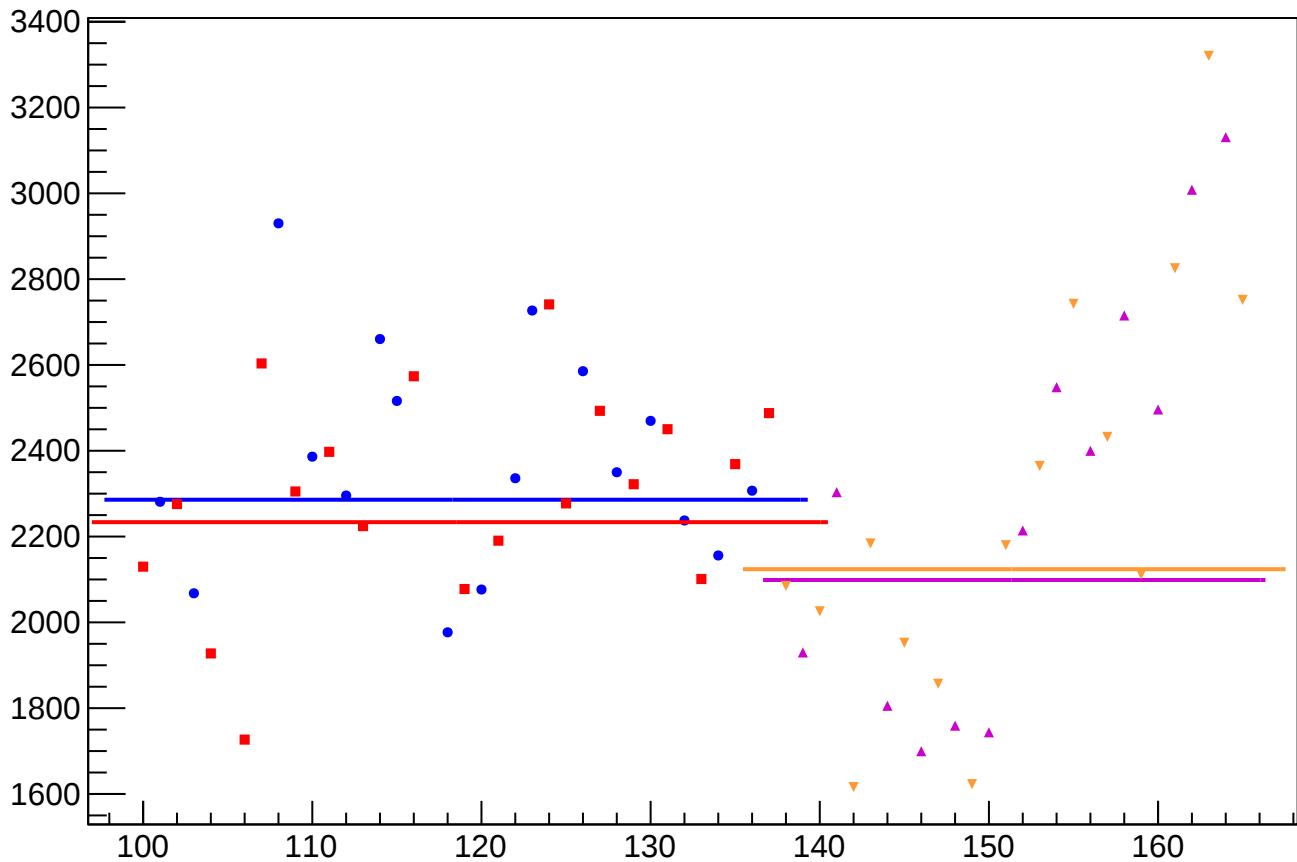
Left In: 69.070 ± 0.673 χ^2/NDF : 1957.8/12

+ sign 28.034 ± 0.524 χ^2/NDF : 7445.0/31

All: 34.406 ± 0.371 χ^2/NDF : 16830.5/63

- sign 40.817 ± 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: 2123.957+/-0.460 χ^2/NDF : 761897.4/14

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

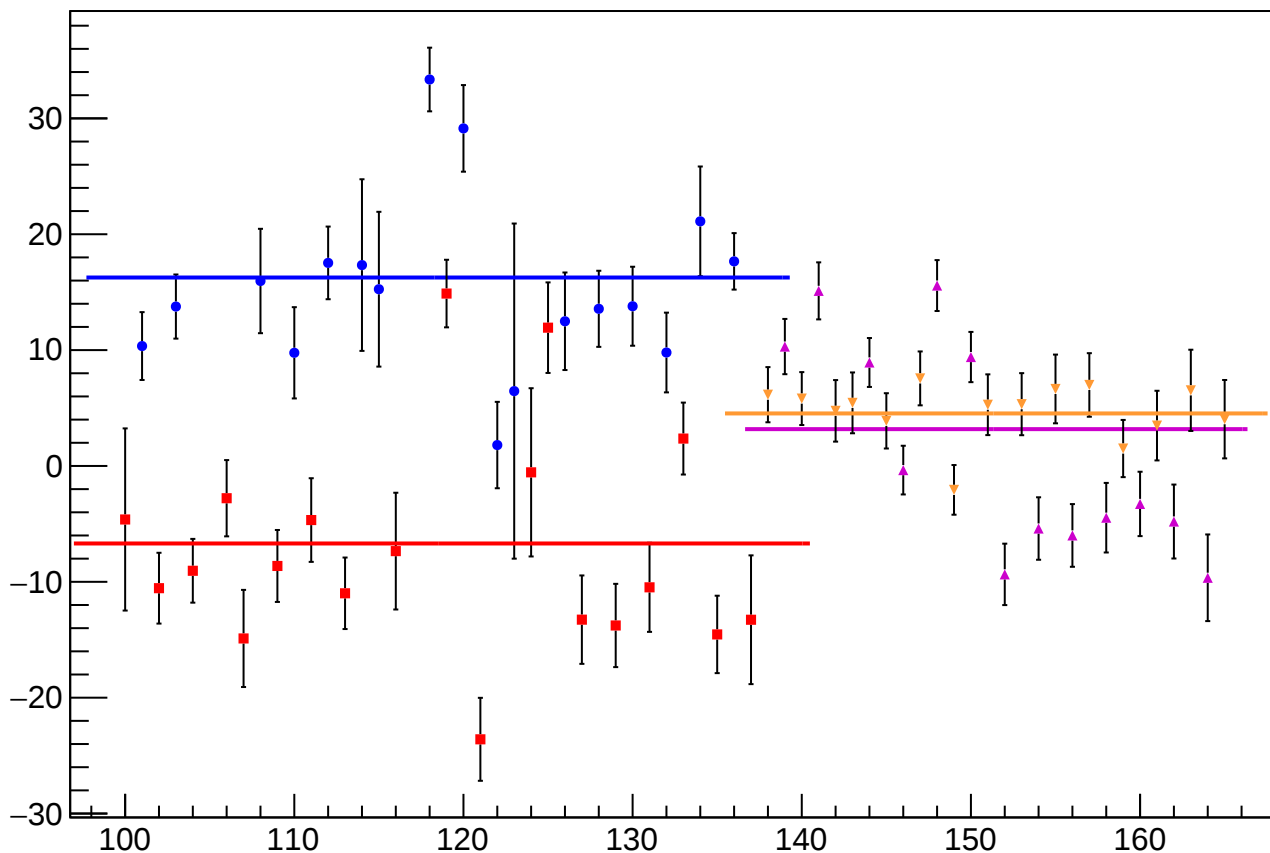
Left In: 2098.757+/-0.476 χ^2/NDF : 753558.9/12

+ sign 2180.640+/-0.371 χ^2/NDF : 914663.7/31

All: 2165.978+/-0.262 χ^2/NDF : 1849474.4/63

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

diff_bpm0i01Y_mean vs Slug



Right In: 16.265 ± 0.872 $\chi^2/\text{NDF}: 80.8/16$

Left Out: 4.533 ± 0.673 $\chi^2/\text{NDF}: 15.6/14$

Right Out: -6.690 ± 0.831 $\chi^2/\text{NDF}: 134.0/18$

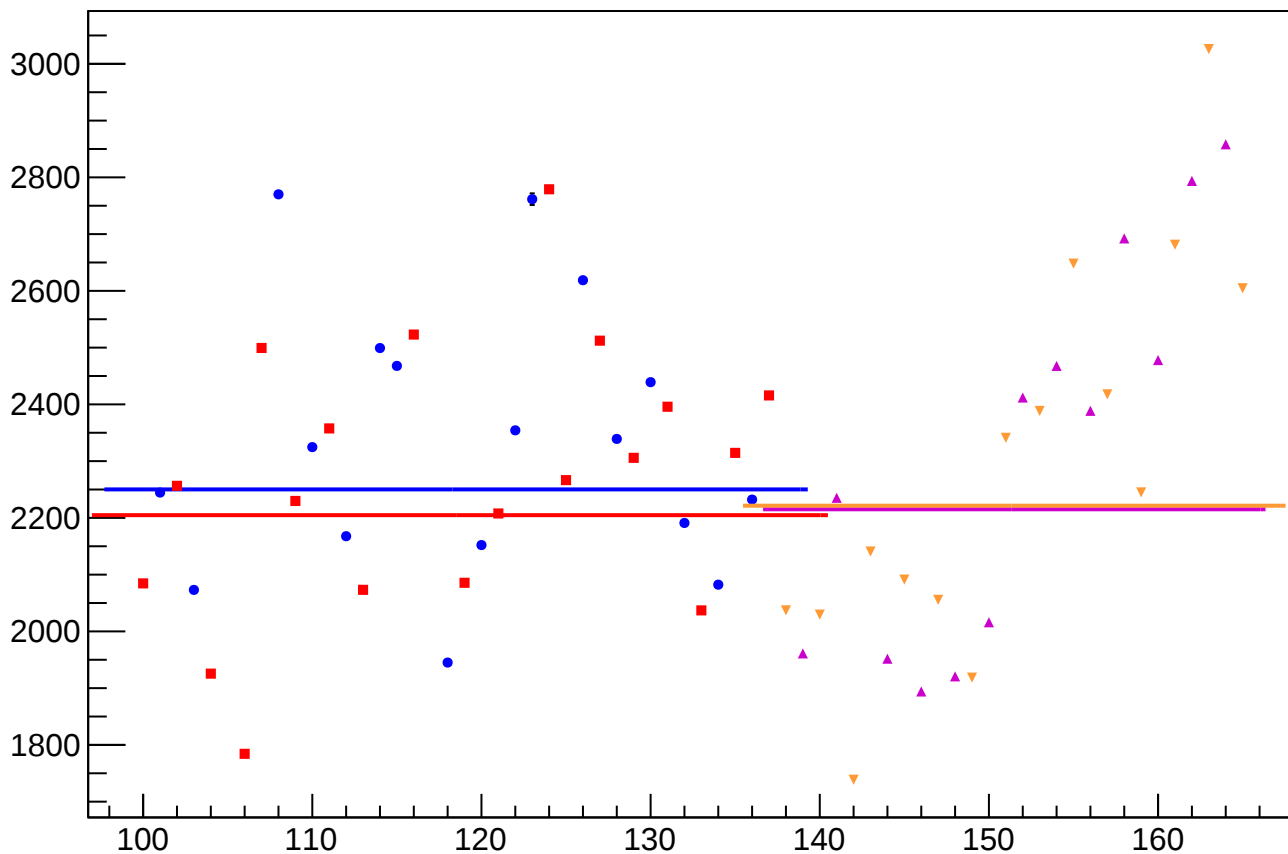
Left In: 3.179 ± 0.700 $\chi^2/\text{NDF}: 156.6/12$

+ sign 8.916 ± 0.533 $\chi^2/\text{NDF}: 209.9/31$

All: 4.023 ± 0.378 $\chi^2/\text{NDF}: 752.6/63$

- sign -0.922 ± 0.536 $\chi^2/\text{NDF}: 373.1/31$

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2221.480+/-0.476 χ^2/NDF : 391650.1/14

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

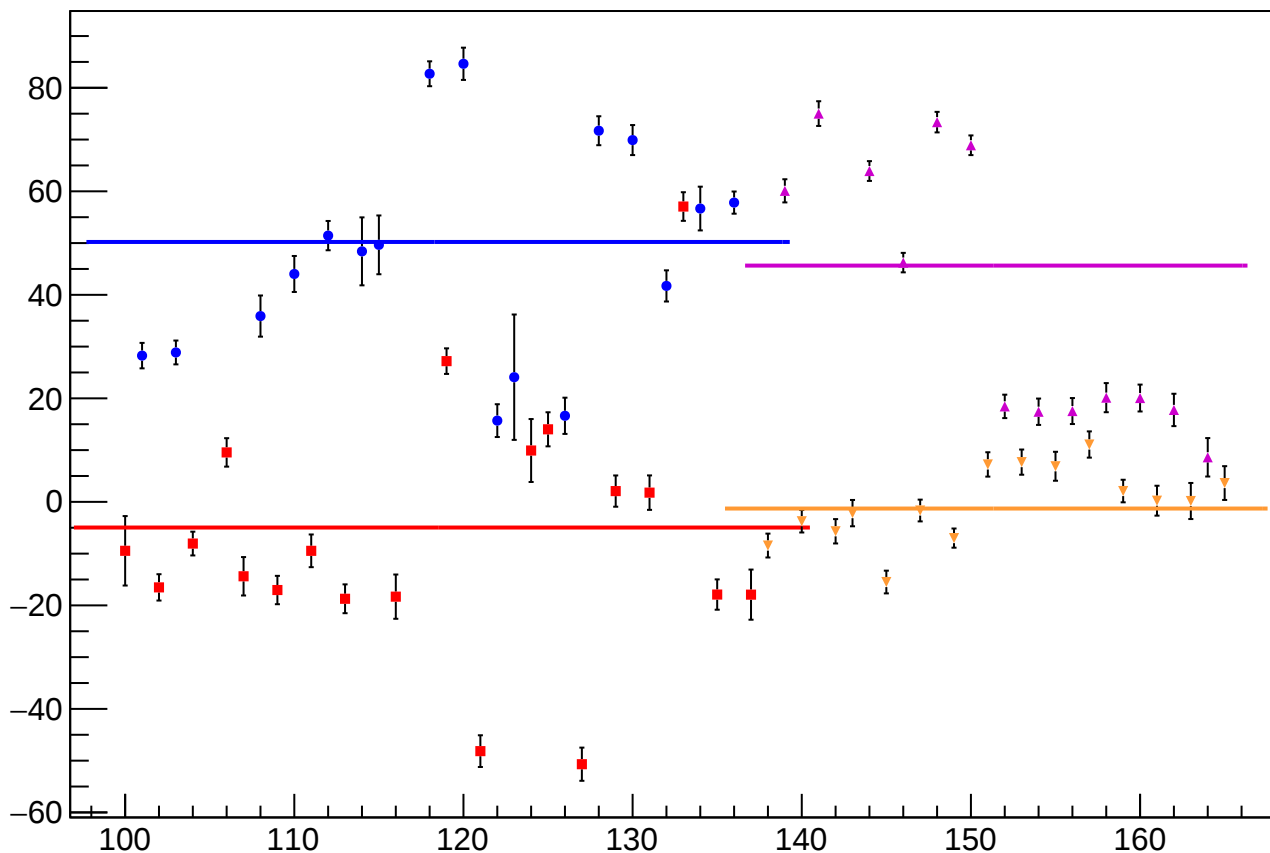
Left In: 2215.135+/-0.495 χ^2/NDF : 383519.9/12

+ sign 2232.199+/-0.377 χ^2/NDF : 490586.5/31

All: 2221.575+/-0.267 χ^2/NDF : 1002115.1/63

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

diff_bpm0i01aX_mean vs Slug



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

Left Out: -1.289+/-0.620 χ^2/NDF : 130.0/14

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

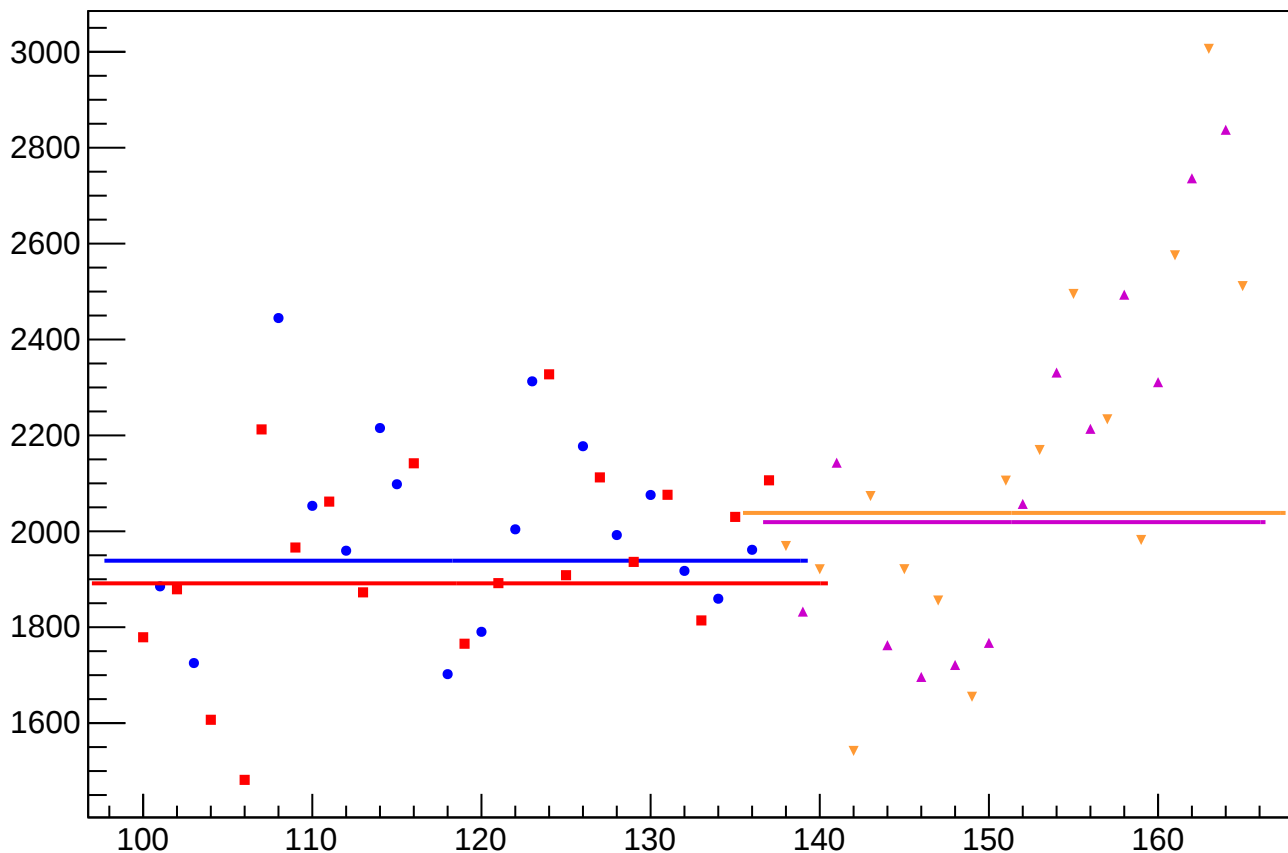
Left In: 45.649+/-0.643 χ^2/NDF : 1380.2/12

+ sign 19.601+/-0.478 χ^2/NDF : 3757.6/31

All: 21.287+/-0.338 χ^2/NDF : 9202.2/63

- sign 22.970+/-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: 2038.336 $\pm$ 0.439 χ^2 /NDF: 542843.8/14

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

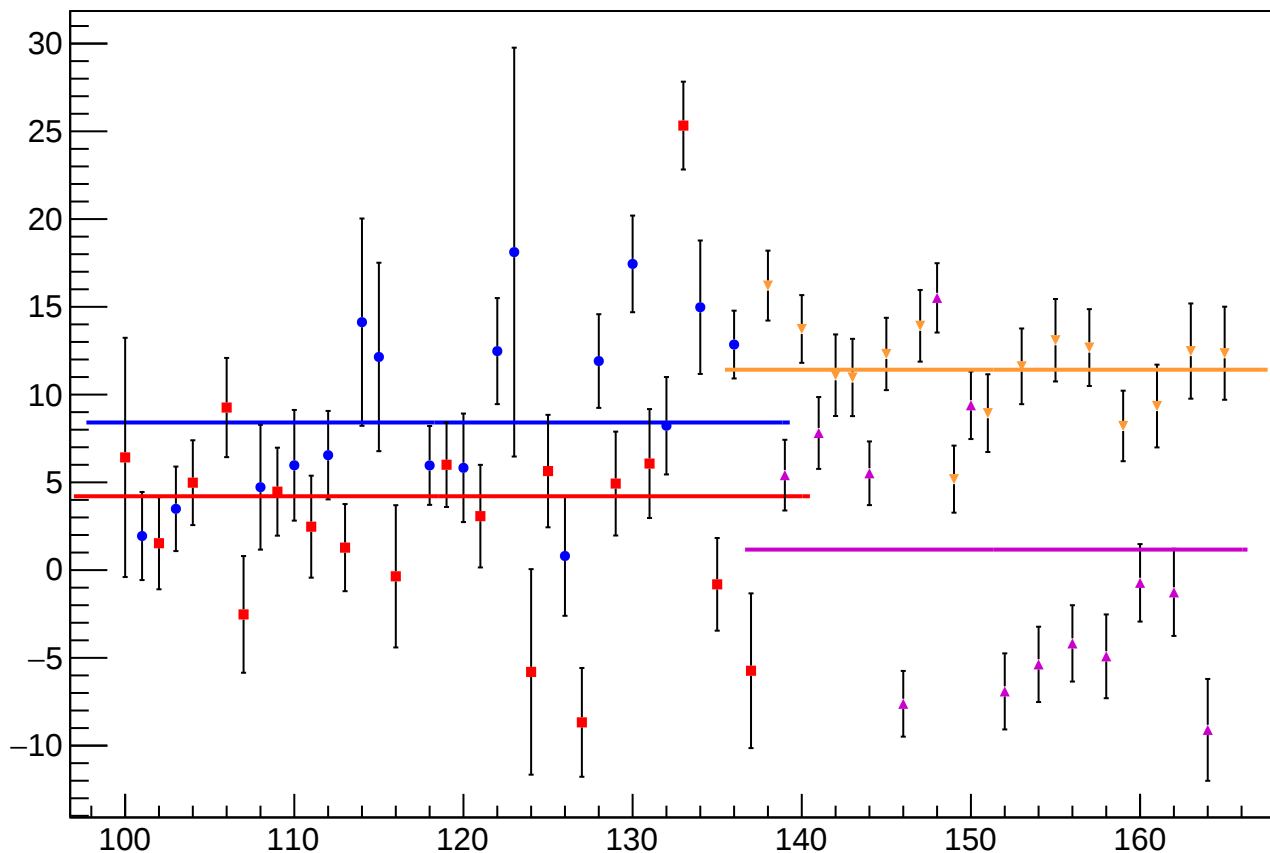
Left In: 2019.136 $\pm$ 0.455 χ^2 /NDF: 521391.5/12

+ sign 1997.920 $\pm$ 0.338 χ^2 /NDF: 663929.0/31

All: 1979.899 $\pm$ 0.239 χ^2 /NDF: 1372965.3/63

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

diff_bpm0i01aY_mean vs Slug



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

Left Out: 11.418 ± 0.561 χ^2/NDF : 25.3/14

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

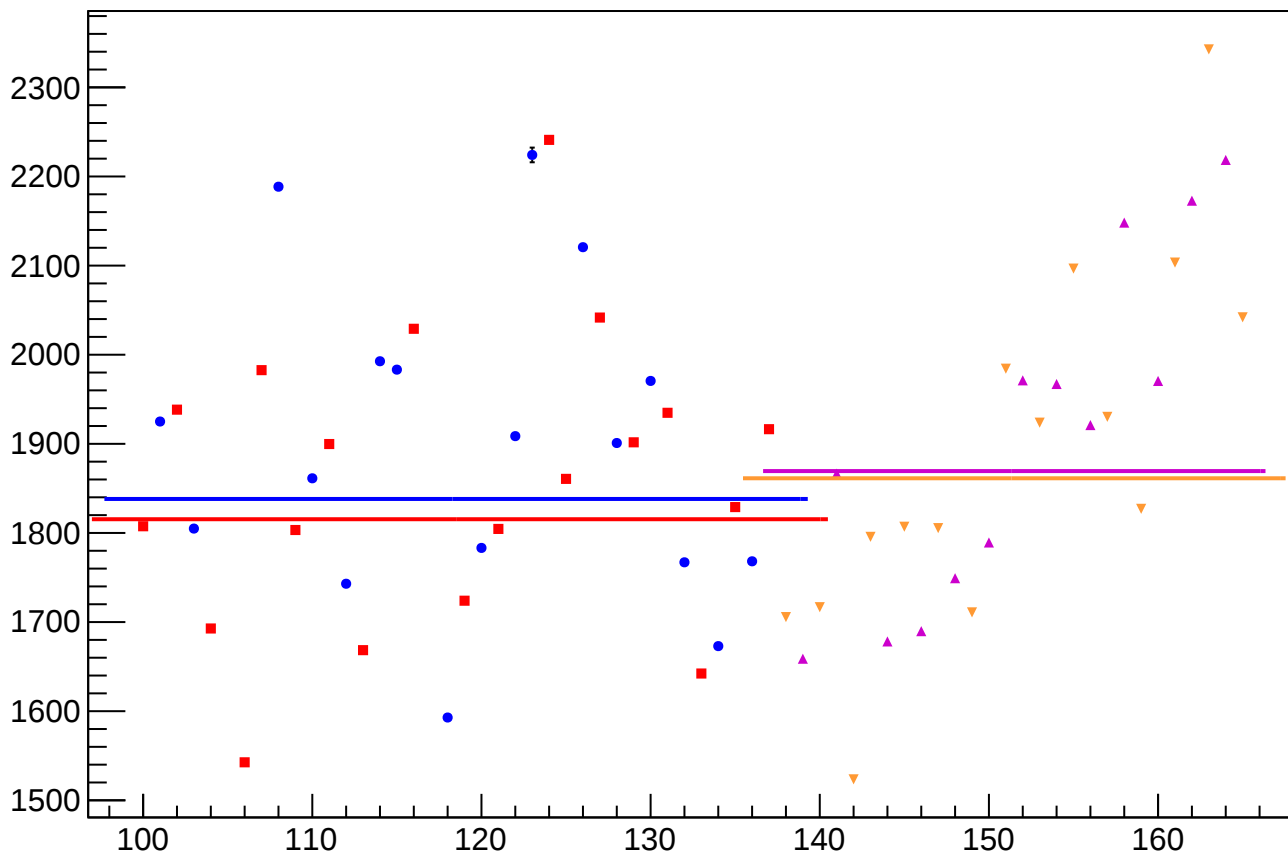
Left In: 1.169 ± 0.587 χ^2/NDF : 163.6/12

+ sign 10.265 ± 0.441 χ^2/NDF : 80.9/31

All: 6.402 ± 0.313 χ^2/NDF : 524.4/63

- sign 2.461 ± 0.445 χ^2/NDF : 288.1/31

diff_bpm0i01aY_rms vs Slug



Right In: 1838.143 ± 0.503 χ^2/NDF : 82878.7/16

Left Out: 1861.352 ± 0.397 χ^2/NDF : 206603.5/14

Right Out: 1815.403 ± 0.483 χ^2/NDF : 87419.0/18

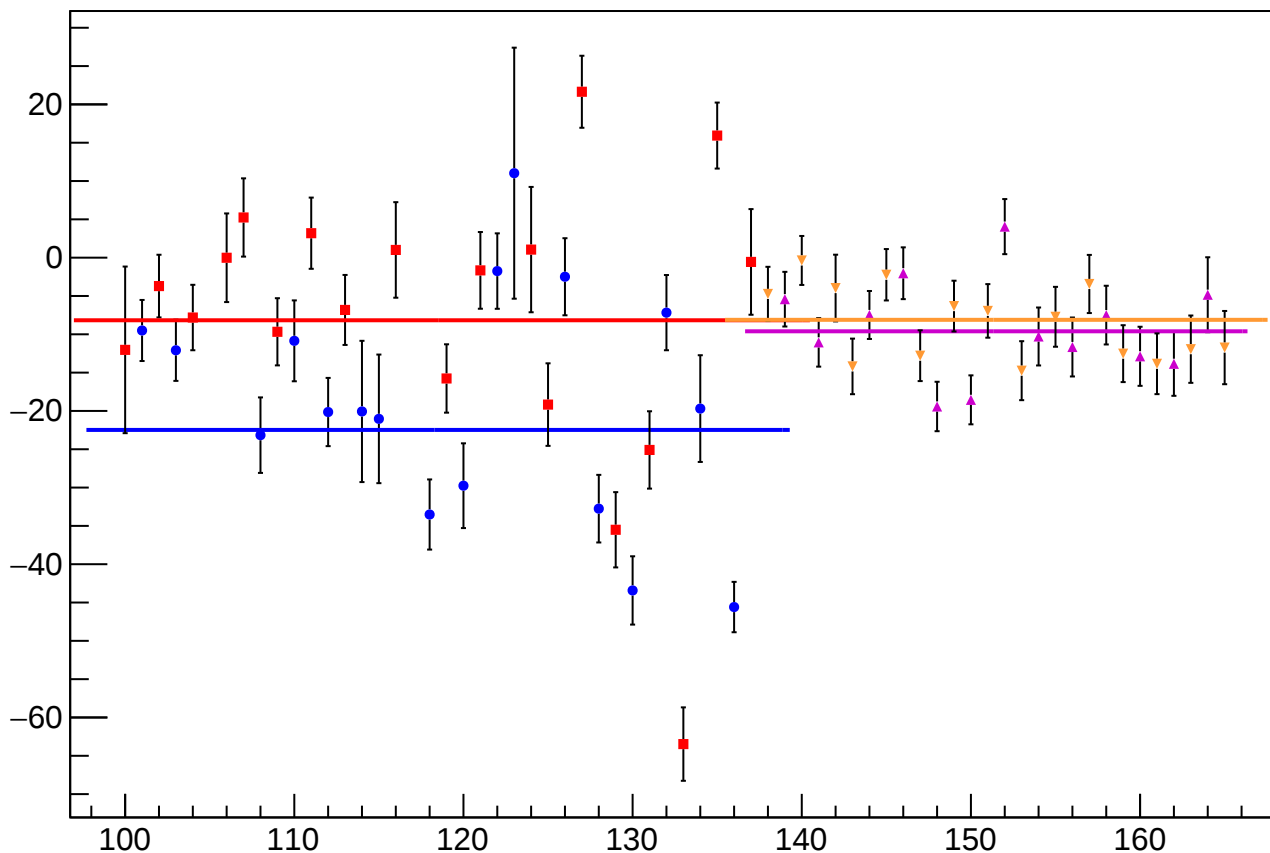
Left In: 1869.430 ± 0.415 χ^2/NDF : 173369.9/12

+ sign 1852.449 ± 0.311 χ^2/NDF : 290795.0/31

All: 1849.485 ± 0.221 χ^2/NDF : 558973.6/63

- sign 1846.461 ± 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: -8.111 ± 0.956 χ^2/NDF : 25.3/14

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

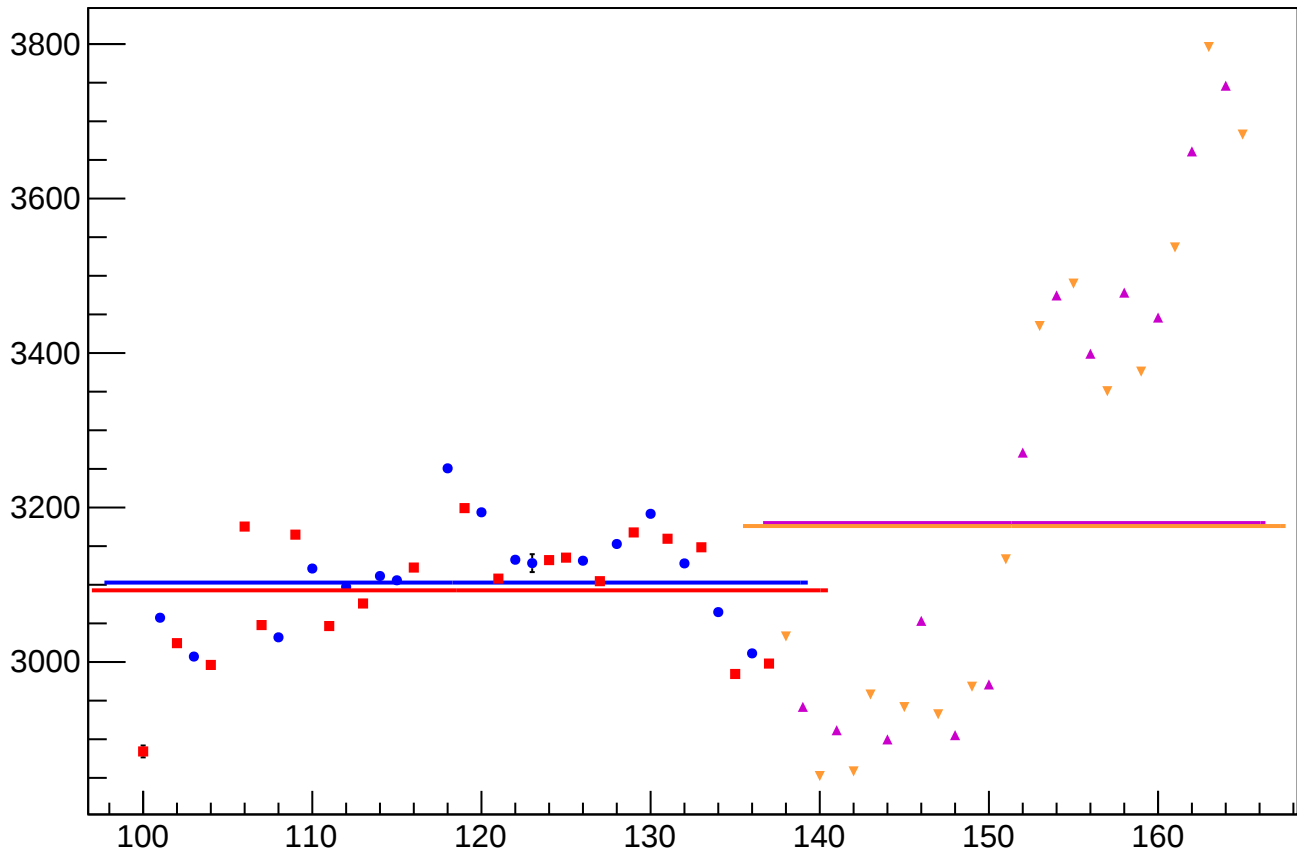
Left In: -9.609 ± 0.994 χ^2/NDF : 41.9/12

+ sign -13.719 ± 0.746 χ^2/NDF : 268.2/31

All: -11.382 ± 0.530 χ^2/NDF : 607.7/63

- 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: 3176.024 $\pm$ 0.676 χ^2 /NDF: 181368.6/14

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

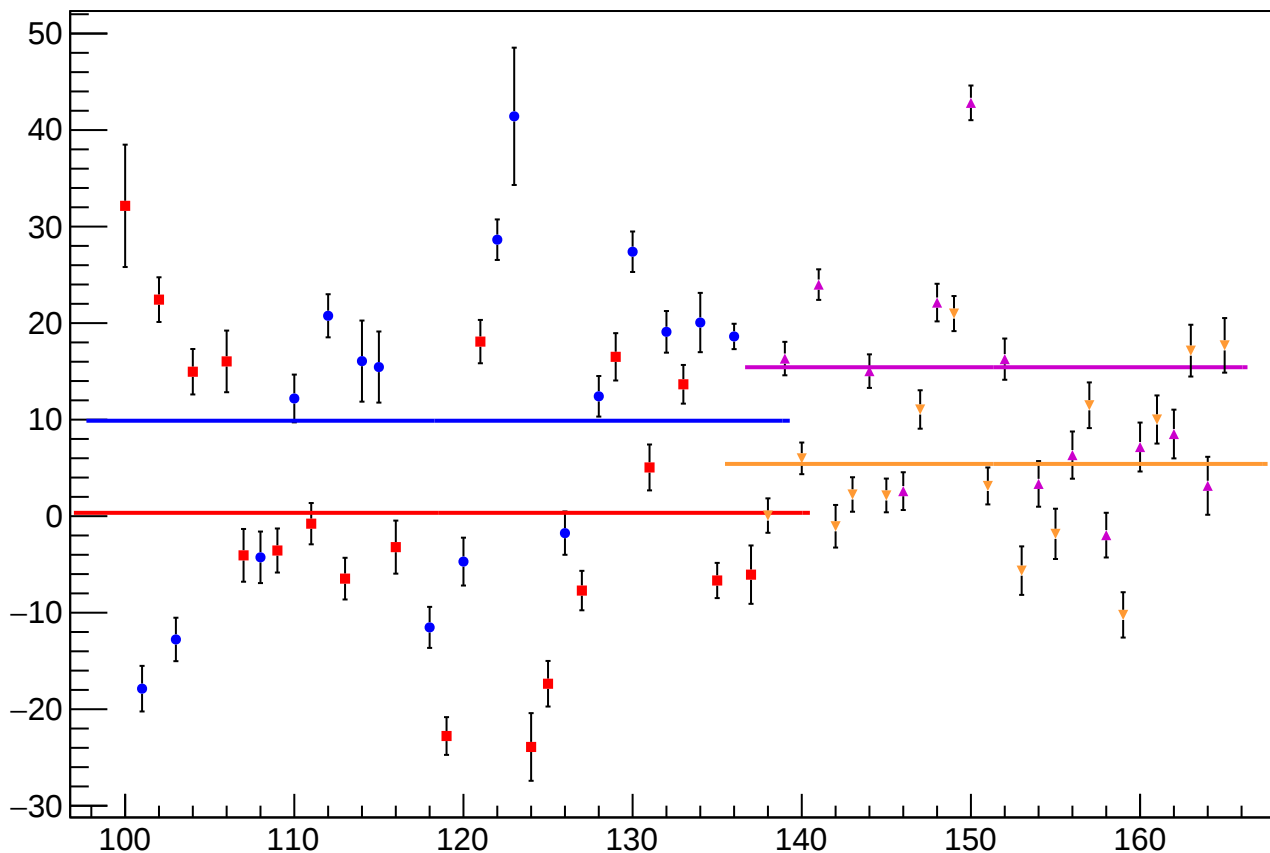
Left In: 3179.876 $\pm$ 0.703 χ^2 /NDF: 160021.8/12

+ sign 3147.457 $\pm$ 0.528 χ^2 /NDF: 193287.8/31

All: 3145.185 $\pm$ 0.375 χ^2 /NDF: 367630.3/63

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

diff_bpm0l01Y_mean vs Slug



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

Left Out: 5.414 $\pm$ 0.538 χ^2 /NDF: 226.7/14

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

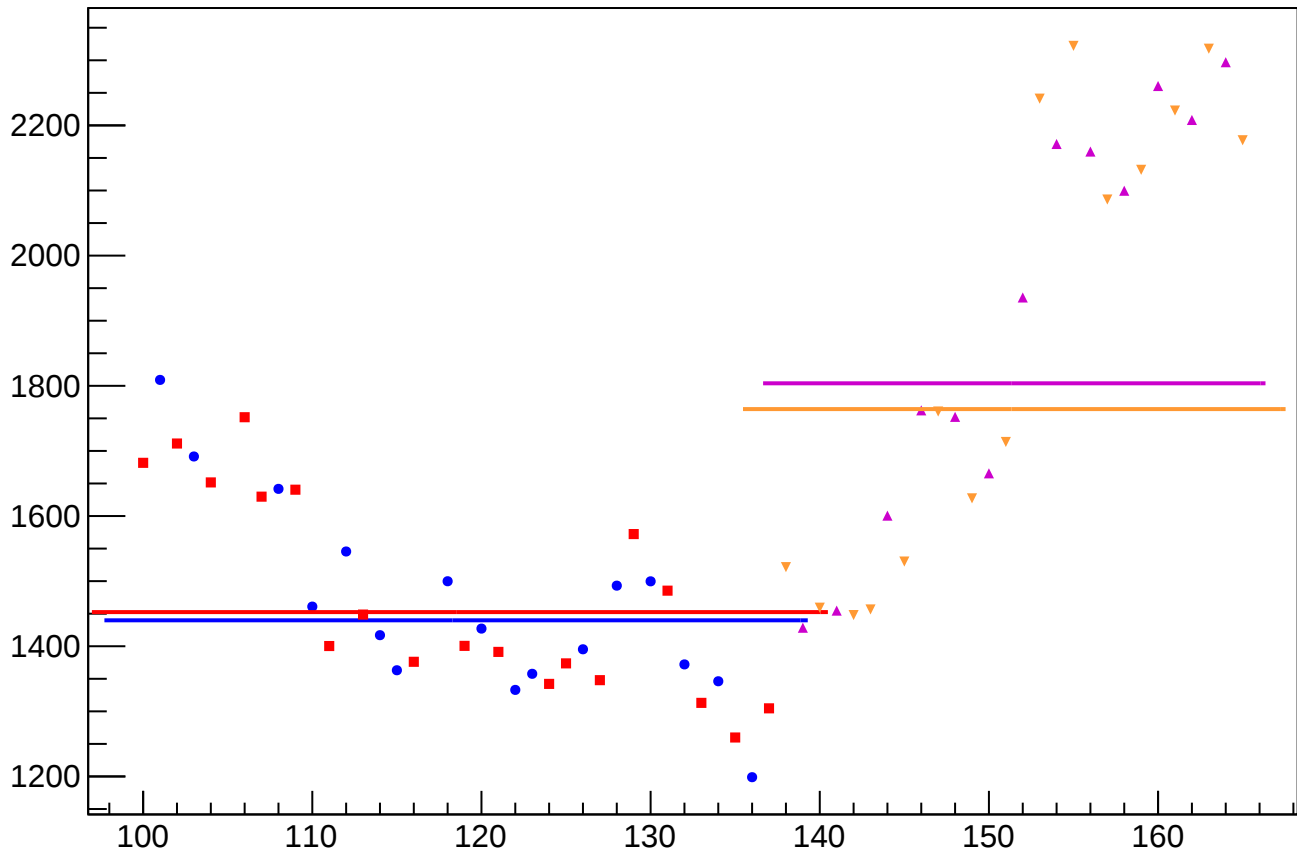
Left In: 15.431 $\pm$ 0.570 χ^2 /NDF: 448.6/12

+ sign 7.564 $\pm$ 0.388 χ^2 /NDF: 963.5/31

All: 7.567 $\pm$ 0.277 χ^2 /NDF: 2405.3/63

- sign 7.570 $\pm$ 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: 1764.263+/-0.381 χ^2/NDF : 700640.9/14

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

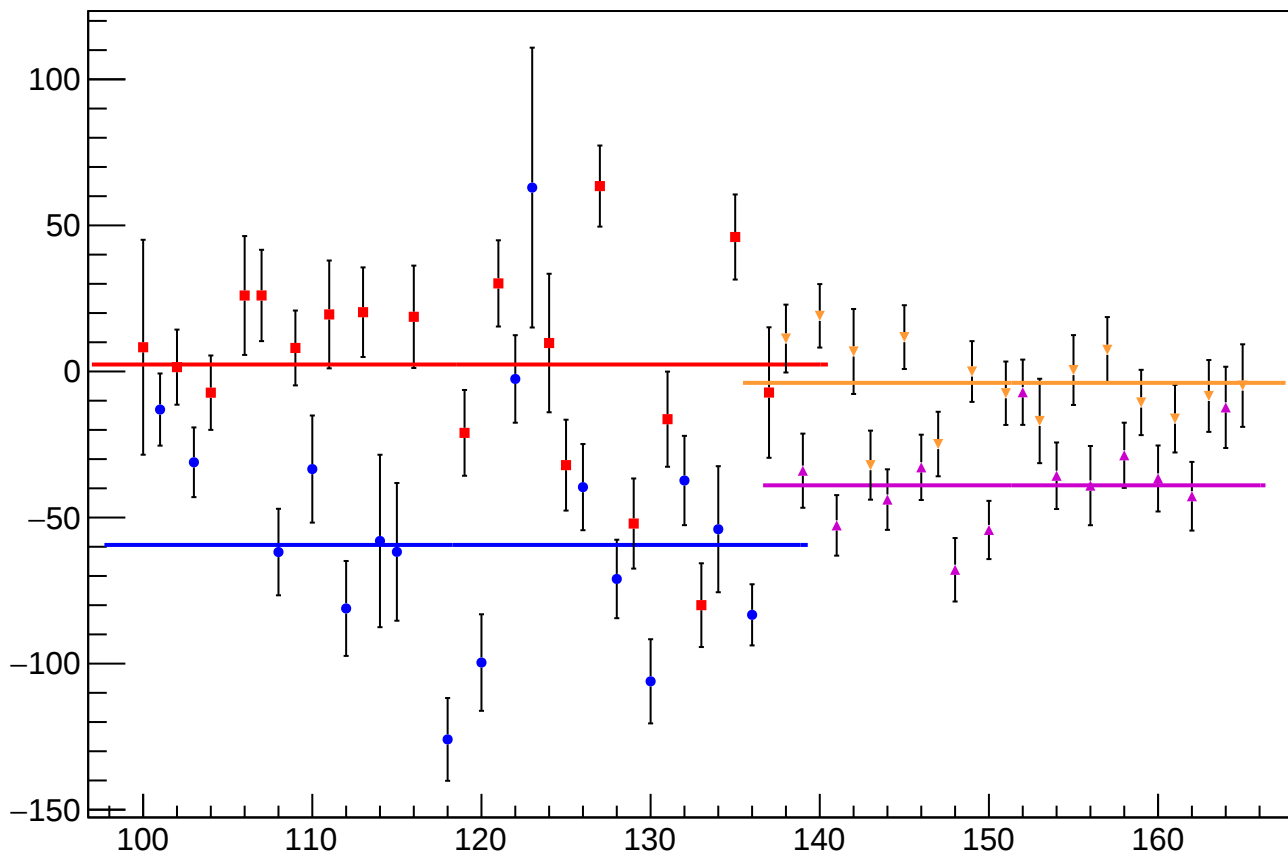
Left In: 1803.860+/-0.403 χ^2/NDF : 533759.4/12

+ sign 1608.313+/-0.274 χ^2/NDF : 1222730.4/31

All: 1614.417+/-0.196 χ^2/NDF : 2291484.2/63

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

diff_bpm0l02X_mean vs Slug



Right In: -59.374 ± 3.729 $\chi^2/\text{NDF}: 92.9/16$

Left Out: -3.895 ± 3.030 $\chi^2/\text{NDF}: 21.9/14$

Right Out: 2.388 ± 3.630 $\chi^2/\text{NDF}: 93.9/18$

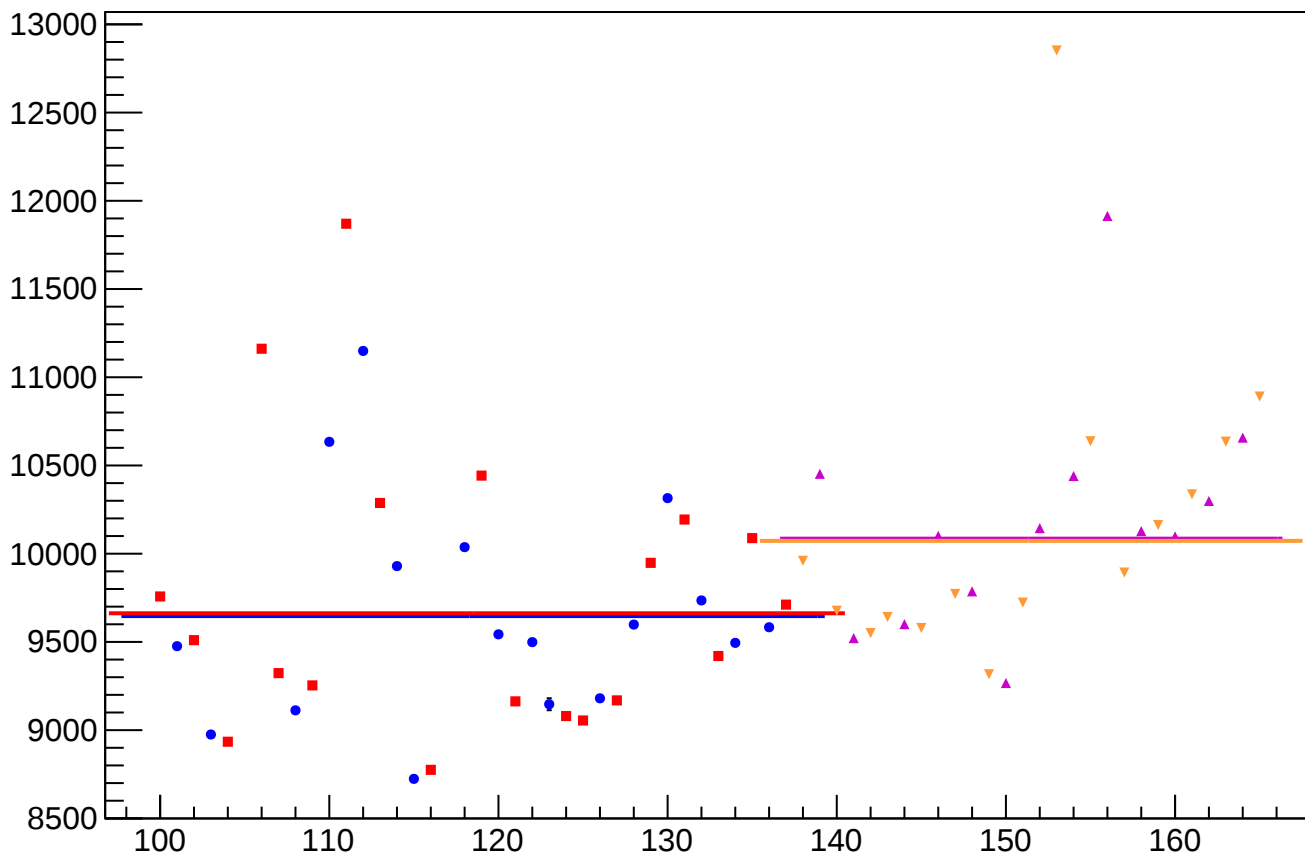
Left In: -38.968 ± 3.149 $\chi^2/\text{NDF}: 24.8/12$

+ sign -25.956 ± 2.351 $\chi^2/\text{NDF}: 248.1/31$

All: -23.608 ± 1.672 $\chi^2/\text{NDF}: 442.9/63$

- sign -21.206 ± 2.379 $\chi^2/\text{NDF}: 192.8/31$

diff_bpm0l02X_rms vs Slug



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

Left Out: 10072.778+/-2.142 χ^2/NDF : 117351.1/14

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

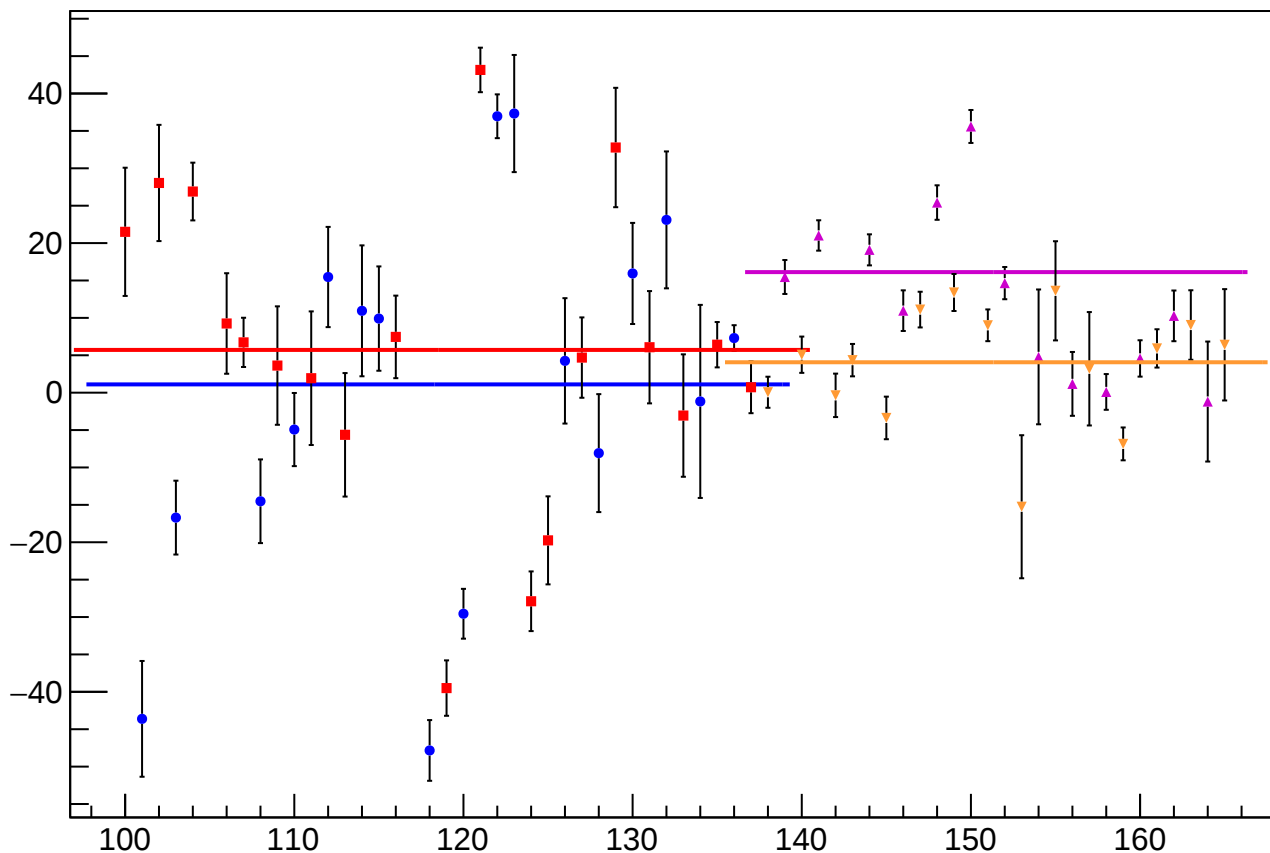
Left In: 10085.140+/-2.227 χ^2/NDF : 69428.2/12

+ sign 9903.267+/-1.663 χ^2/NDF : 177157.5/31

All: 9903.411+/-1.182 χ^2/NDF : 339649.8/63

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

diff_bpm0l02Y_mean vs Slug



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

Left Out: 4.066 ± 0.727 $\chi^2/\text{NDF}: 74.1/14$

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

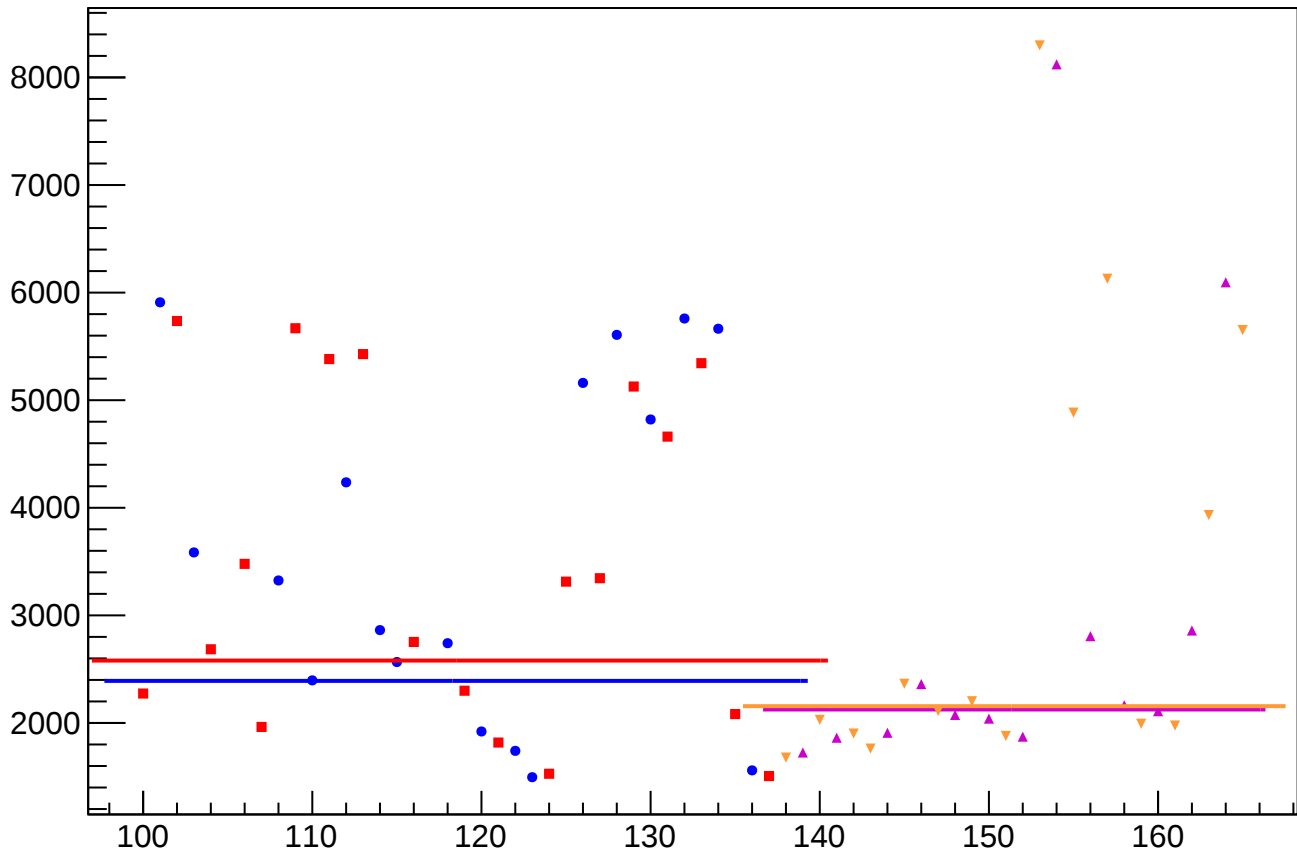
Left In: 16.121 ± 0.720 $\chi^2/\text{NDF}: 195.4/12$

+ sign 3.128 ± 0.601 $\chi^2/\text{NDF}: 569.0/31$

All: 8.041 ± 0.425 $\chi^2/\text{NDF}: 1417.7/63$

- sign 12.963 ± 0.601 $\chi^2/\text{NDF}: 714.7/31$

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2156.011 $\pm$ 0.514 χ^2 /NDF: 2706075.4/14

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

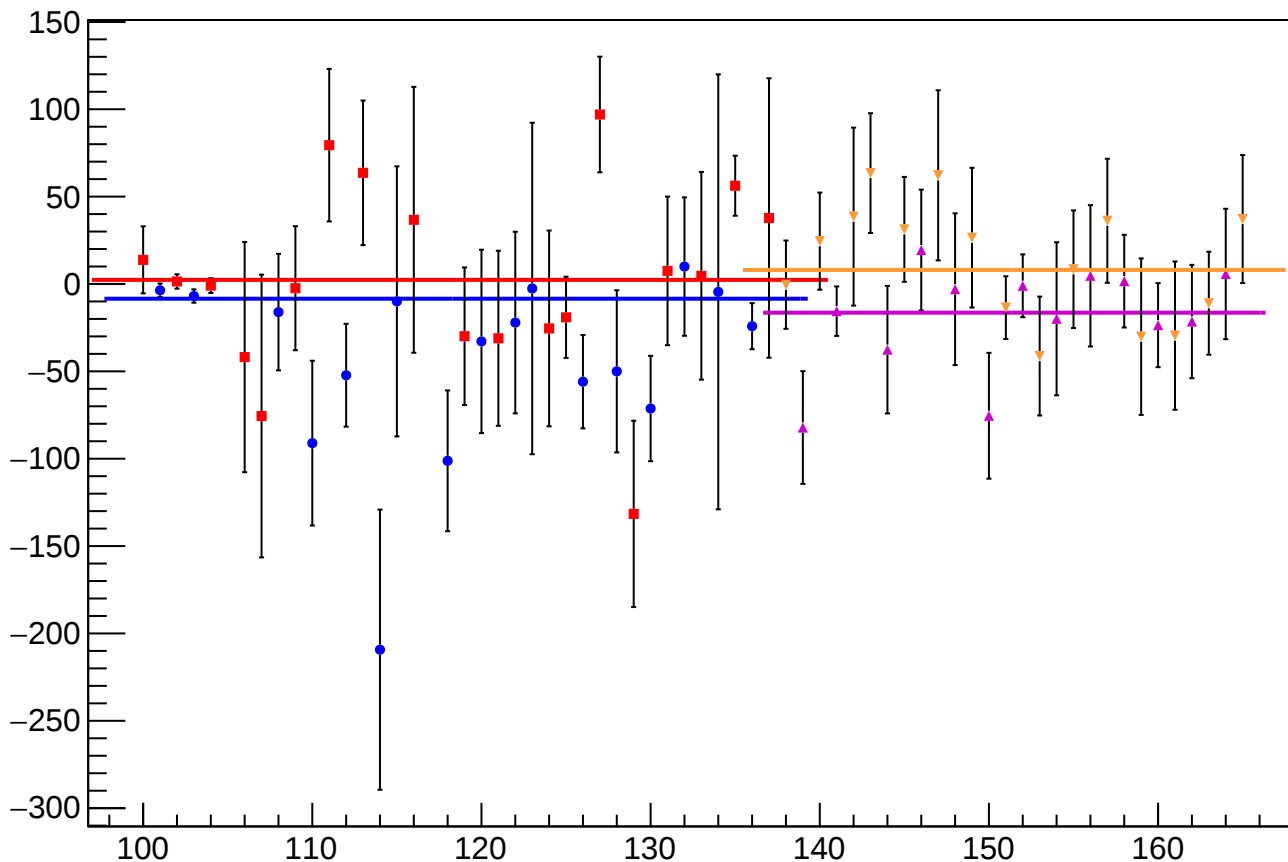
Left In: 2125.292 $\pm$ 0.509 χ^2 /NDF: 1684296.8/12

+ sign 2230.585 $\pm$ 0.425 χ^2 /NDF: 5373022.9/31

All: 2246.927 $\pm$ 0.300 χ^2 /NDF: 9667528.1/63

- 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: 8.047 ± 8.206 χ^2/NDF : 12.2/14

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

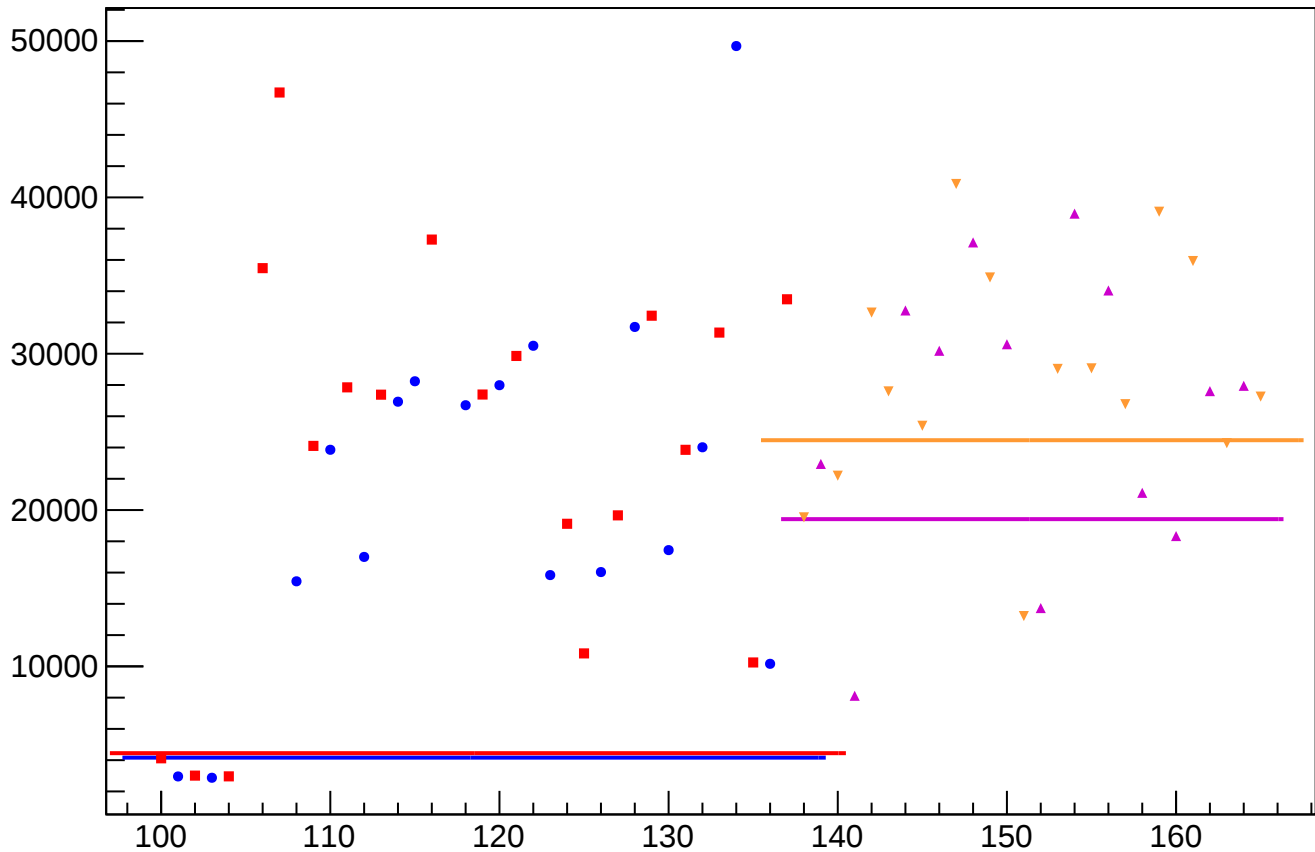
Left In: -16.429 ± 7.476 χ^2/NDF : 10.3/12

+ sign -6.940 ± 2.468 χ^2/NDF : 44.8/31

All: -3.639 ± 1.794 χ^2/NDF : 99.1/63

- 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: 24467.509+/-5.802 χ^2/NDF : 1760592.4/14

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

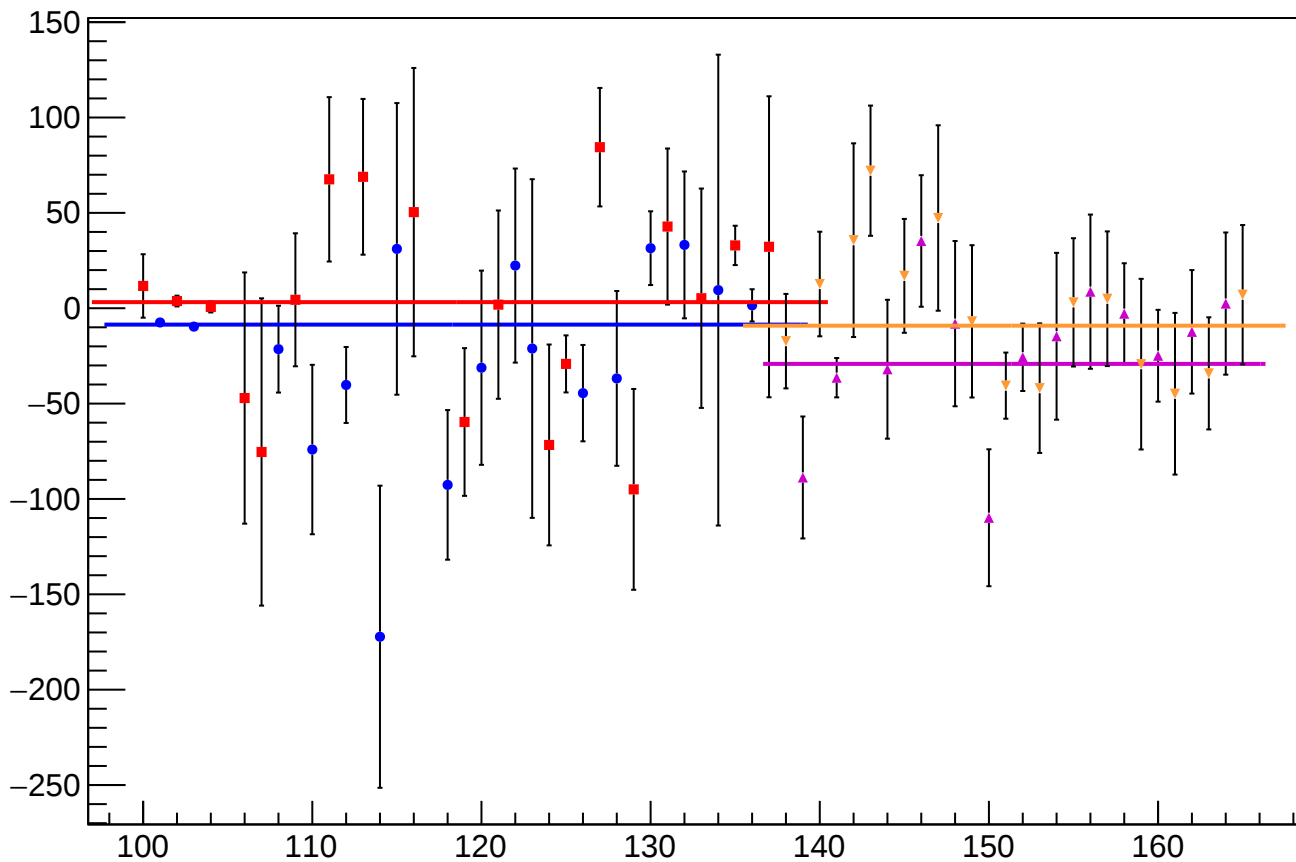
Left In: 19418.313+/-5.287 χ^2/NDF : 3391592.4/12

+ sign 5998.623+/-1.745 χ^2/NDF : 18889682.4/31

All: 6128.300+/-1.268 χ^2/NDF : 36761313.9/6

- 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: -9.144 ± 8.106 χ^2/NDF : 15.6/14

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

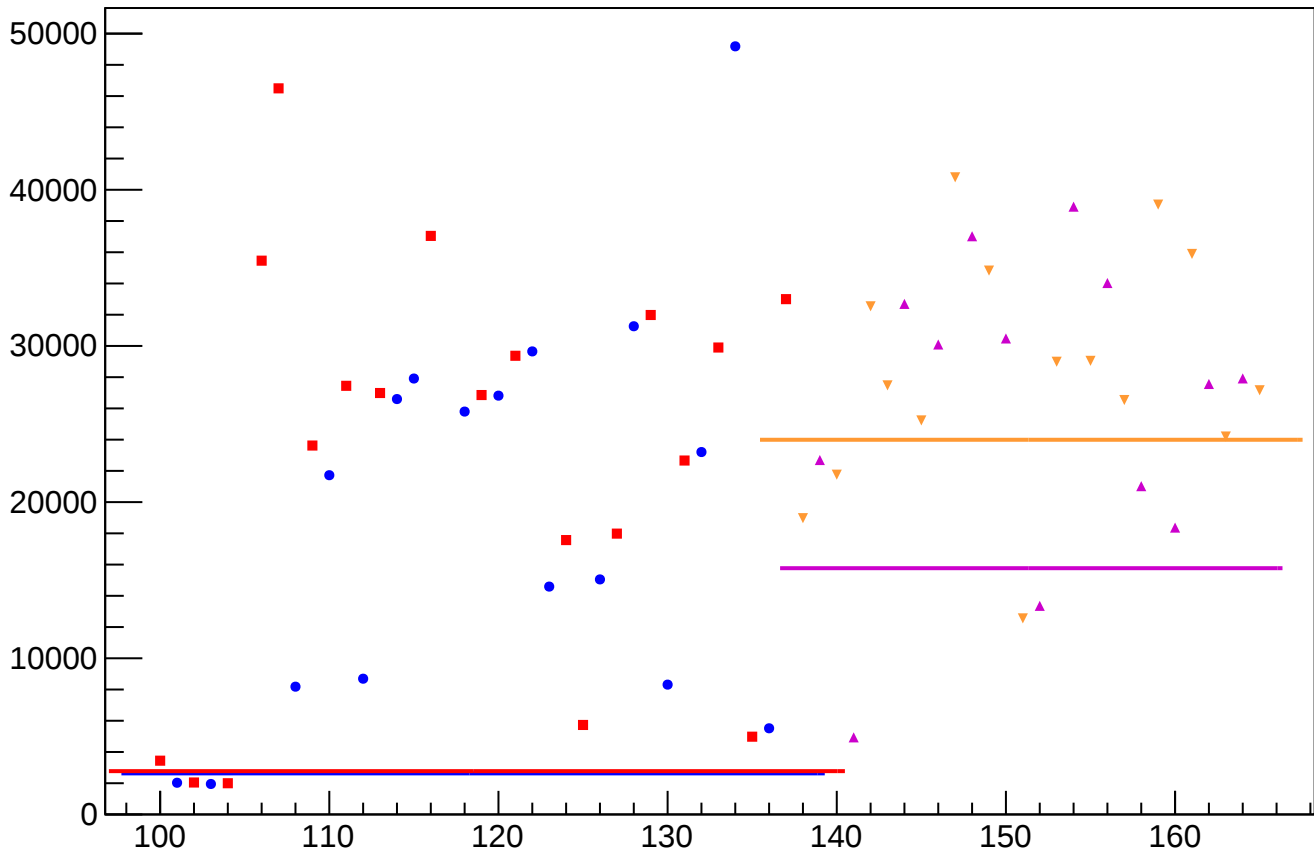
Left In: -29.185 ± 6.673 χ^2/NDF : 15.8/12

+ sign -8.612 ± 1.736 χ^2/NDF : 40.1/31

All: -4.237 ± 1.265 χ^2/NDF : 128.0/63

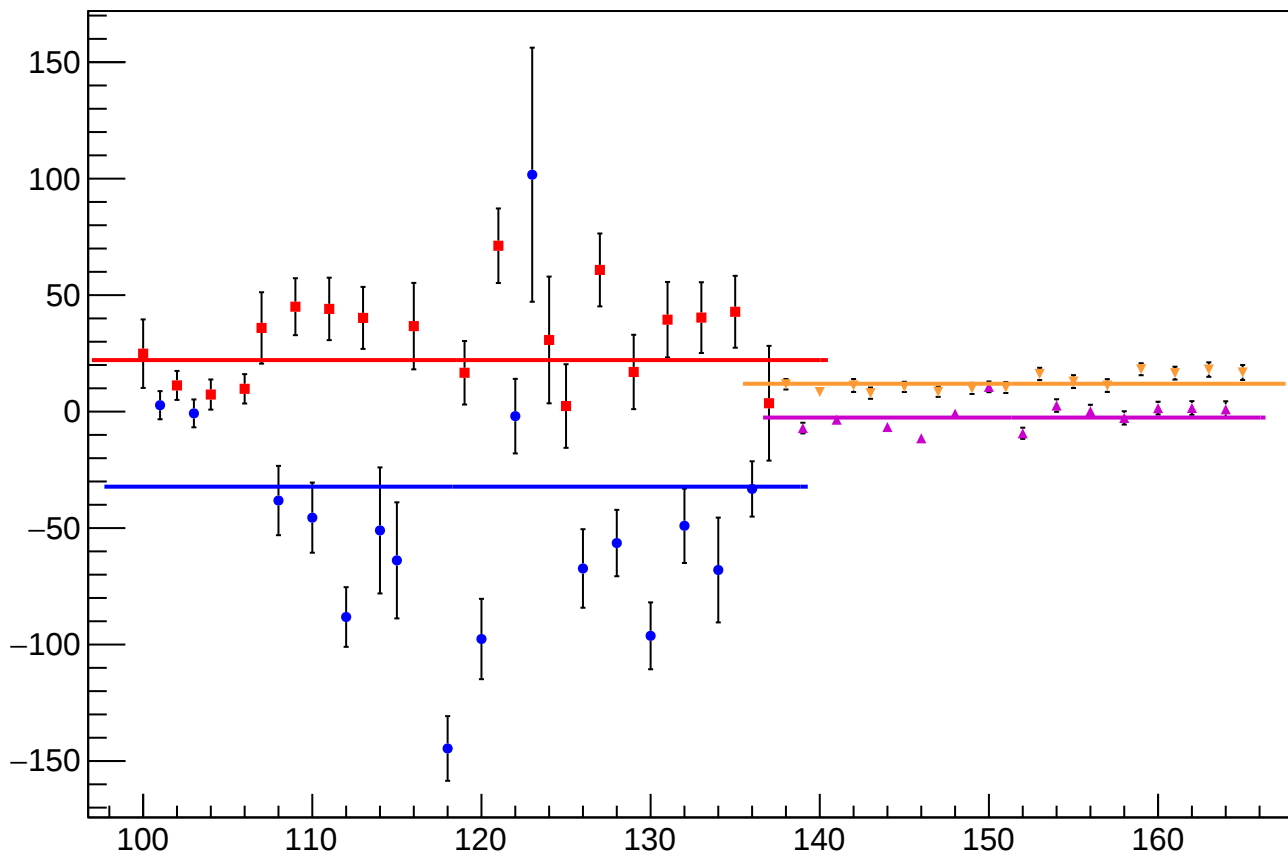
- sign 0.713 ± 1.847 χ^2/NDF : 74.4/31

diff_bpm0l03Y_rms vs Slug



Right In: 2630.547+/-1.257	χ^2/NDF : 5588981.6/16	+ sign 3610.941+/-1.228	χ^2/NDF : 20773278.5/31
Left Out: 23992.606+/-5.732	χ^2/NDF : 1930780.0/14	All: 3685.218+/-0.895	χ^2/NDF : 41103135.0/6
Right Out: 2773.446+/-1.359	χ^2/NDF : 7835878.7/18	- sign 3769.262+/-1.306	χ^2/NDF : 20322056.7/31
Left In: 15768.871+/-4.718	χ^2/NDF : 5481540.4/12		

diff_bpm0l04X_mean vs Slug



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

Left Out: 11.952 ± 0.649 χ^2/NDF : 27.0/14

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

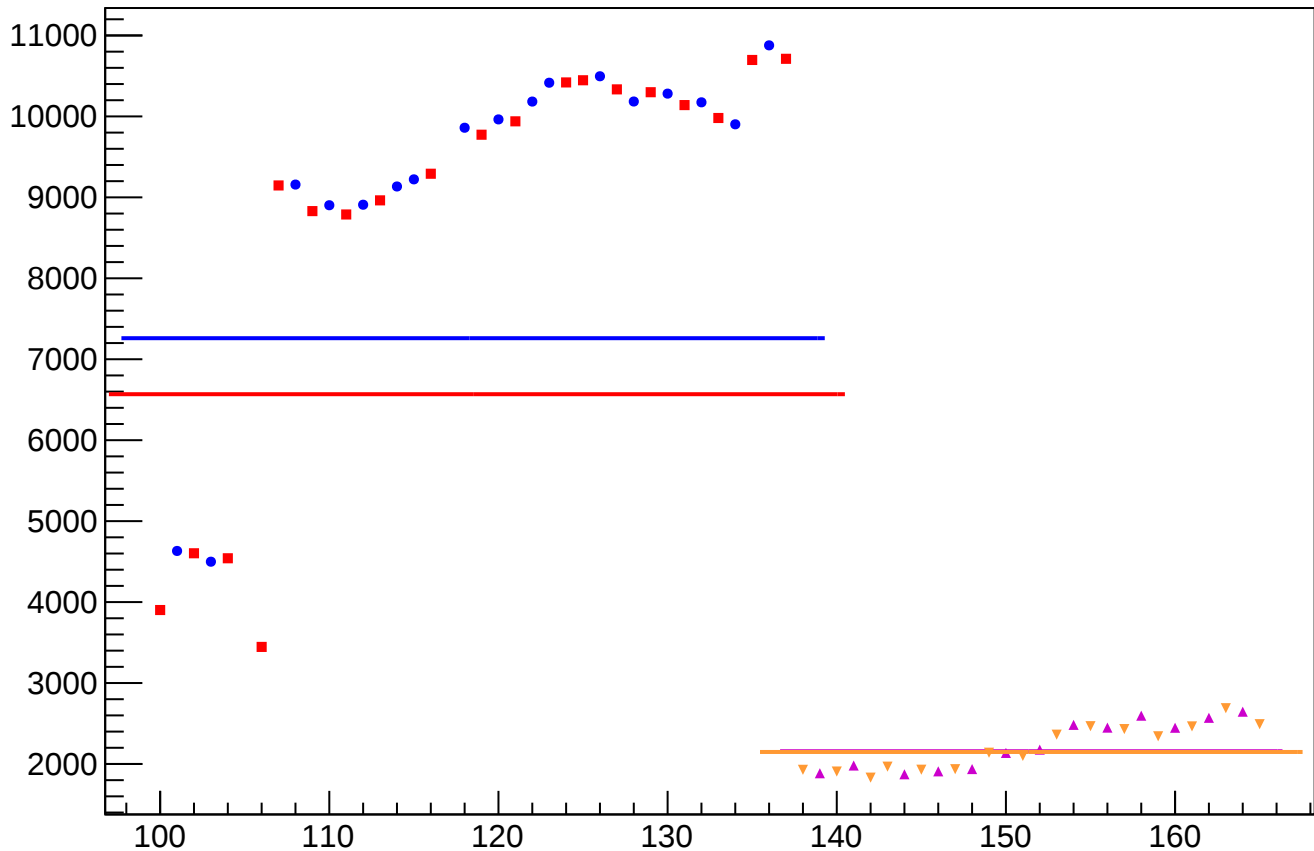
Left In: -2.558 ± 0.678 χ^2/NDF : 77.1/12

+ sign 9.955 ± 0.634 χ^2/NDF : 440.3/31

All: 4.644 ± 0.456 χ^2/NDF : 787.0/63

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

diff_bpm0l04X_rms vs Slug



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

Left Out: 2148.299 $\pm$ 0.459 χ^2 /NDF: 302607.5/14

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

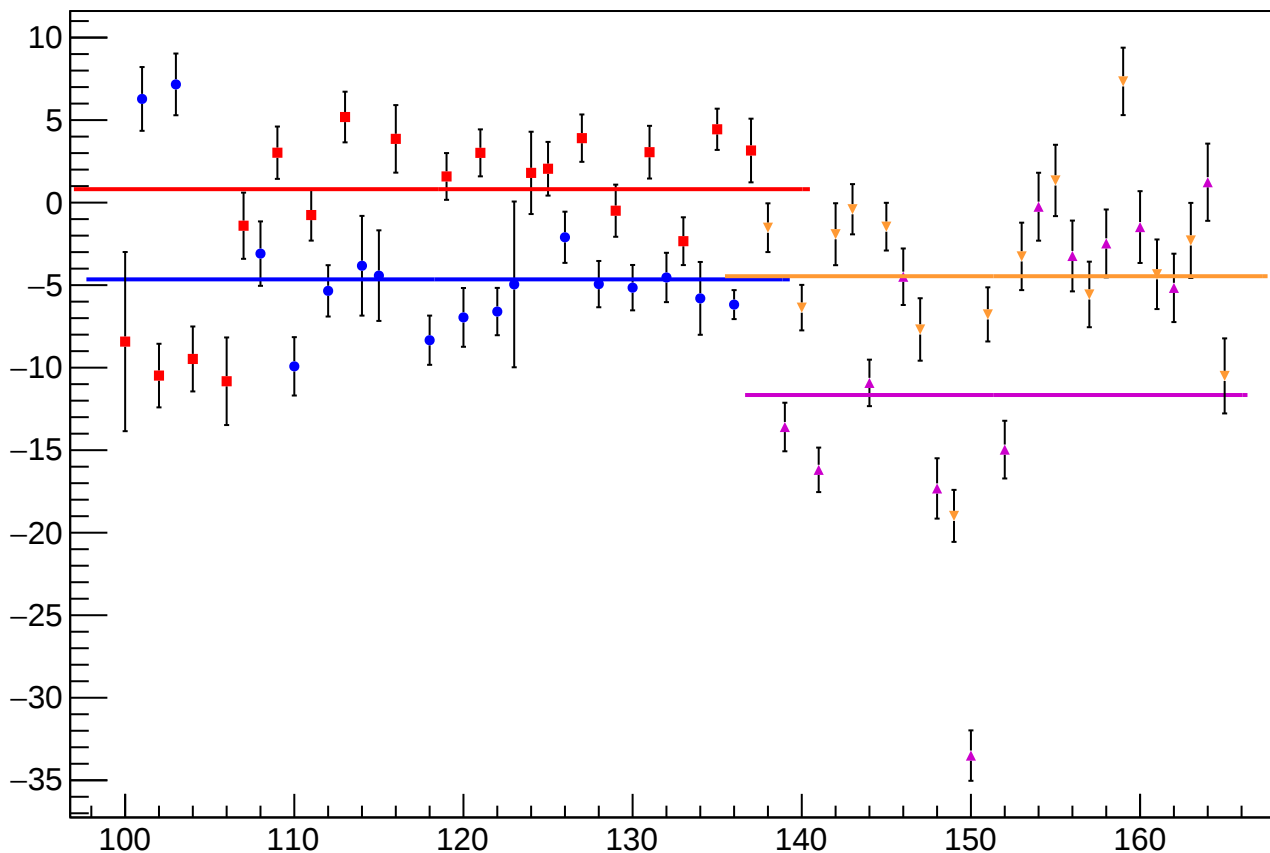
Left In: 2157.545 $\pm$ 0.479 χ^2 /NDF: 330485.6/12

+ sign 2379.373 $\pm$ 0.448 χ^2 /NDF: 7552627.4/31

All: 2401.274 $\pm$ 0.323 χ^2 /NDF: 15214271.9/6

- sign 2424.806 $\pm$ 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: -4.459 ± 0.457 χ^2/NDF : 158.2/14

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

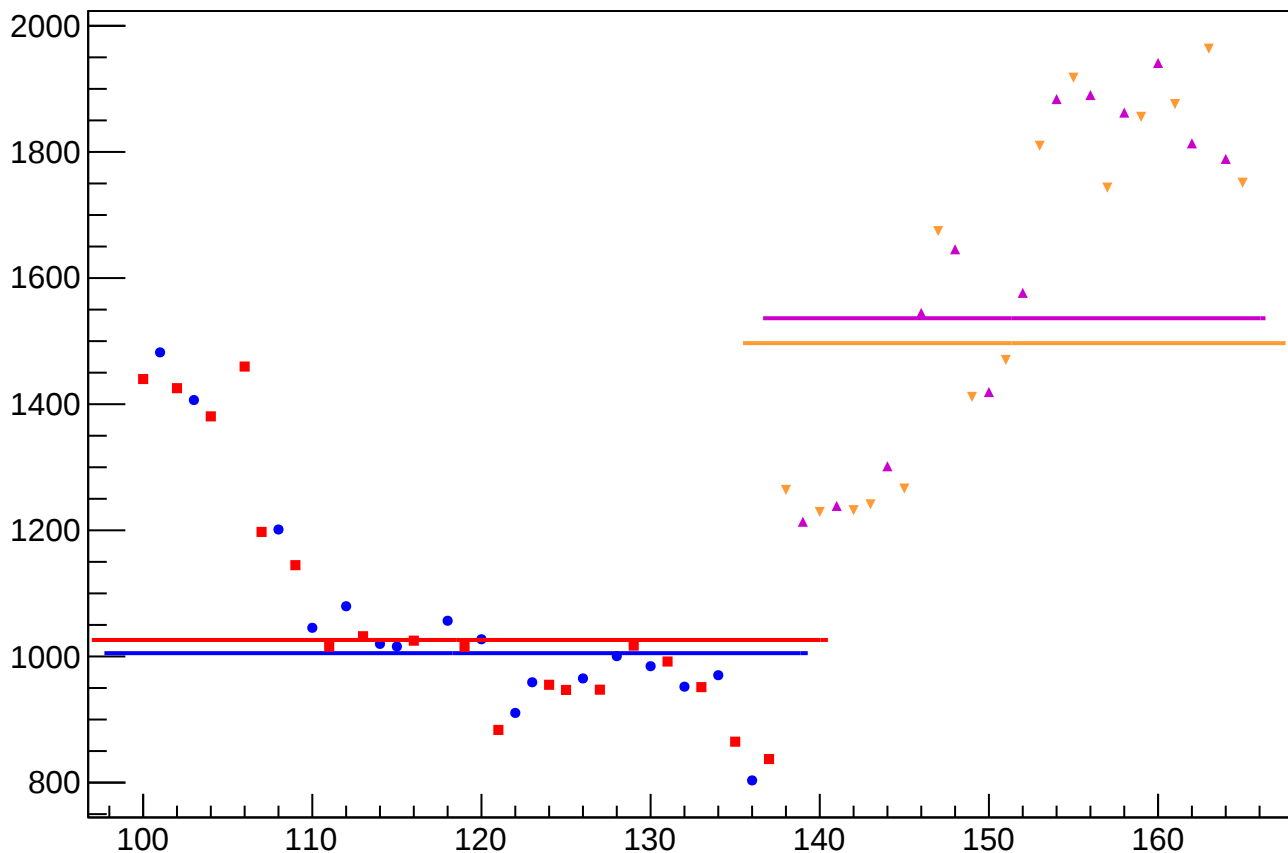
Left In: -11.657 ± 0.486 χ^2/NDF : 376.9/12

+ sign -4.569 ± 0.298 χ^2/NDF : 255.9/31

All: -4.312 ± 0.213 χ^2/NDF : 1159.6/63

- 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: 1496.827+/-0.323 χ^2/NDF : 685526.7/14

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

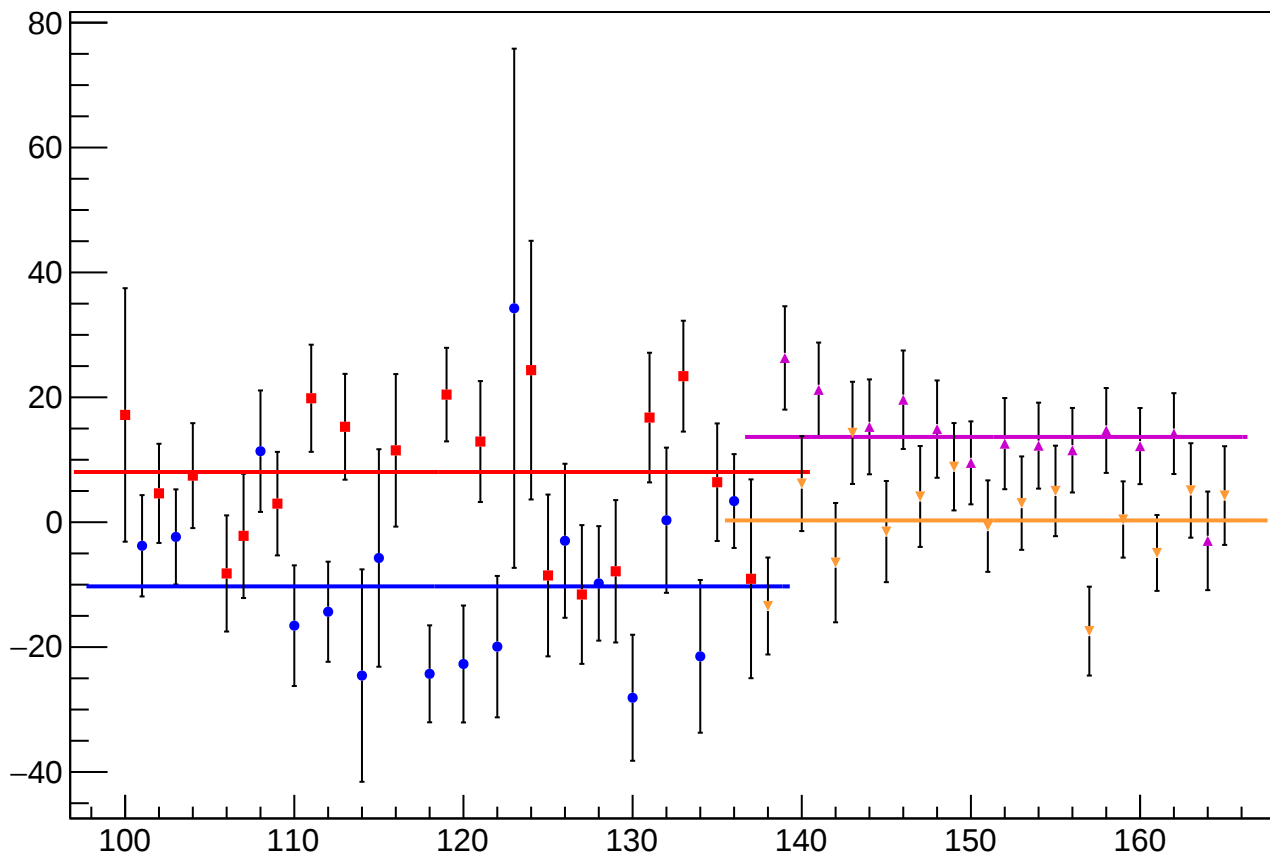
Left In: 1536.299+/-0.344 χ^2/NDF : 559539.4/12

+ sign 1214.065+/-0.211 χ^2/NDF : 2379444.6/31

All: 1219.405+/-0.150 χ^2/NDF : 4617238.0/63

- 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: 0.288 ± 1.912 χ^2/NDF : 17.1/14

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

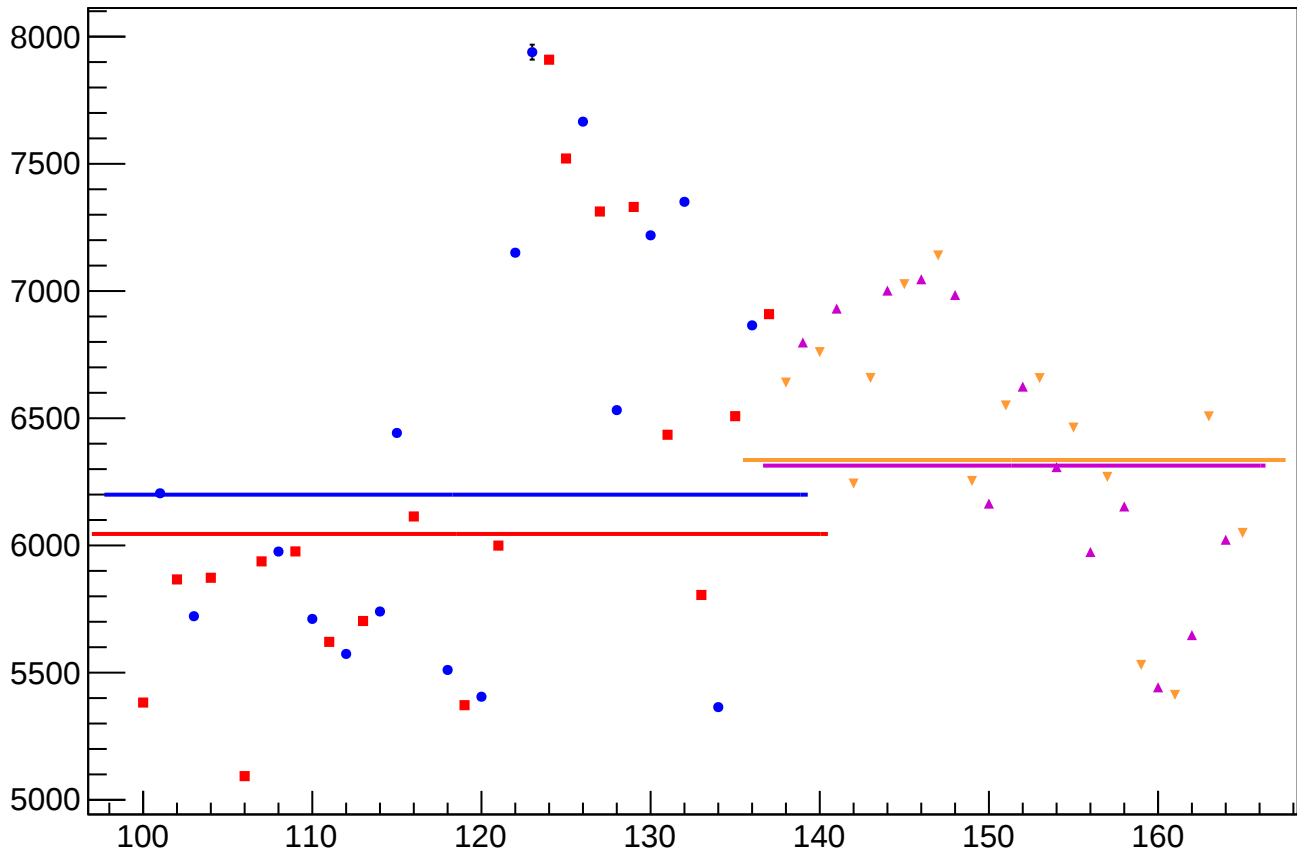
Left In: 13.655 ± 1.981 χ^2/NDF : 9.1/12

+ sign -3.798 ± 1.497 χ^2/NDF : 52.4/31

All: 3.732 ± 1.058 χ^2/NDF : 138.2/63

- 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: 6335.835 $\pm$ 1.352 χ^2 /NDF:138094.8/14

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

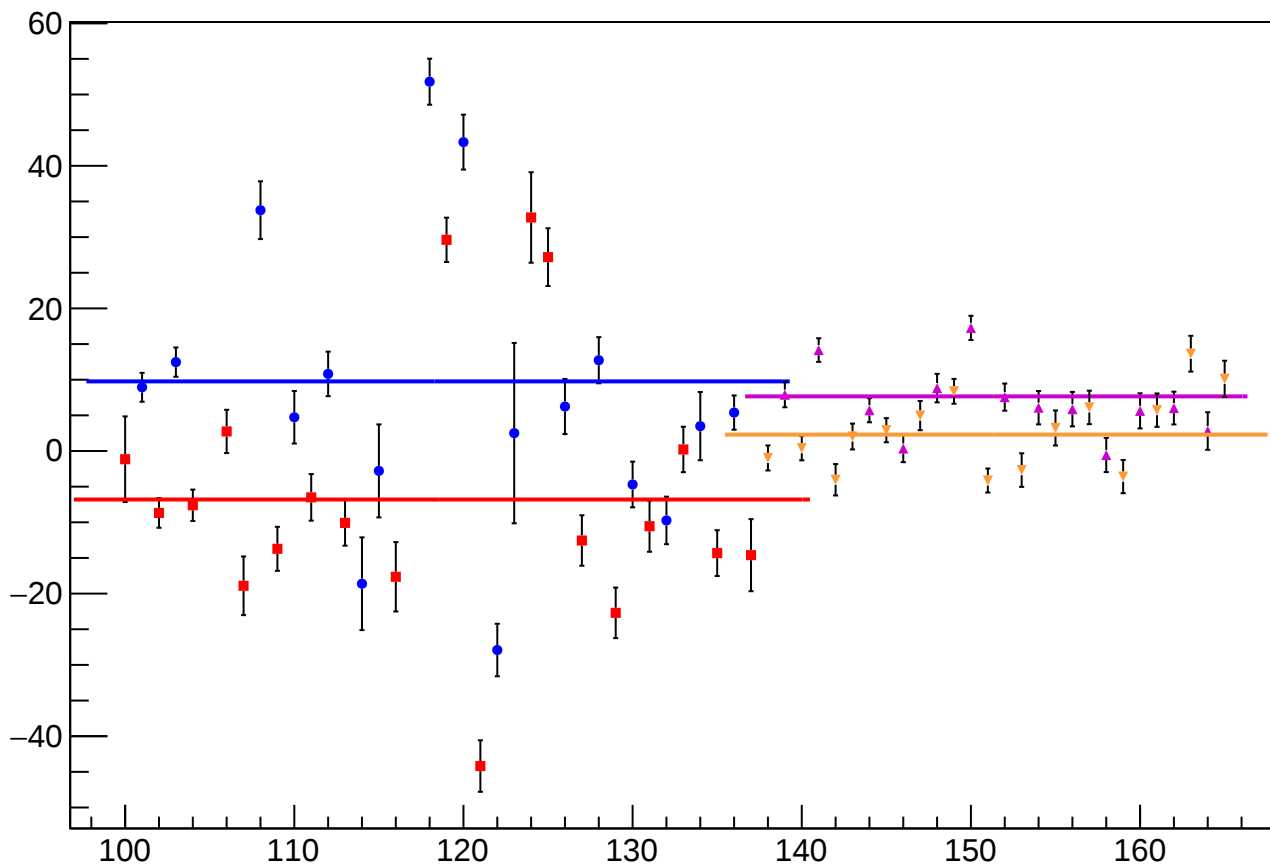
Left In: 6313.807 $\pm$ 1.401 χ^2 /NDF:144183.7/12

+ sign 6283.148 $\pm$ 1.059 χ^2 /NDF: 313780.4/31

All: 6240.576 $\pm$ 0.748 χ^2 /NDF: 635346.7/63

- 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: 2.295 ± 0.523 χ^2/NDF : 87.5/14

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

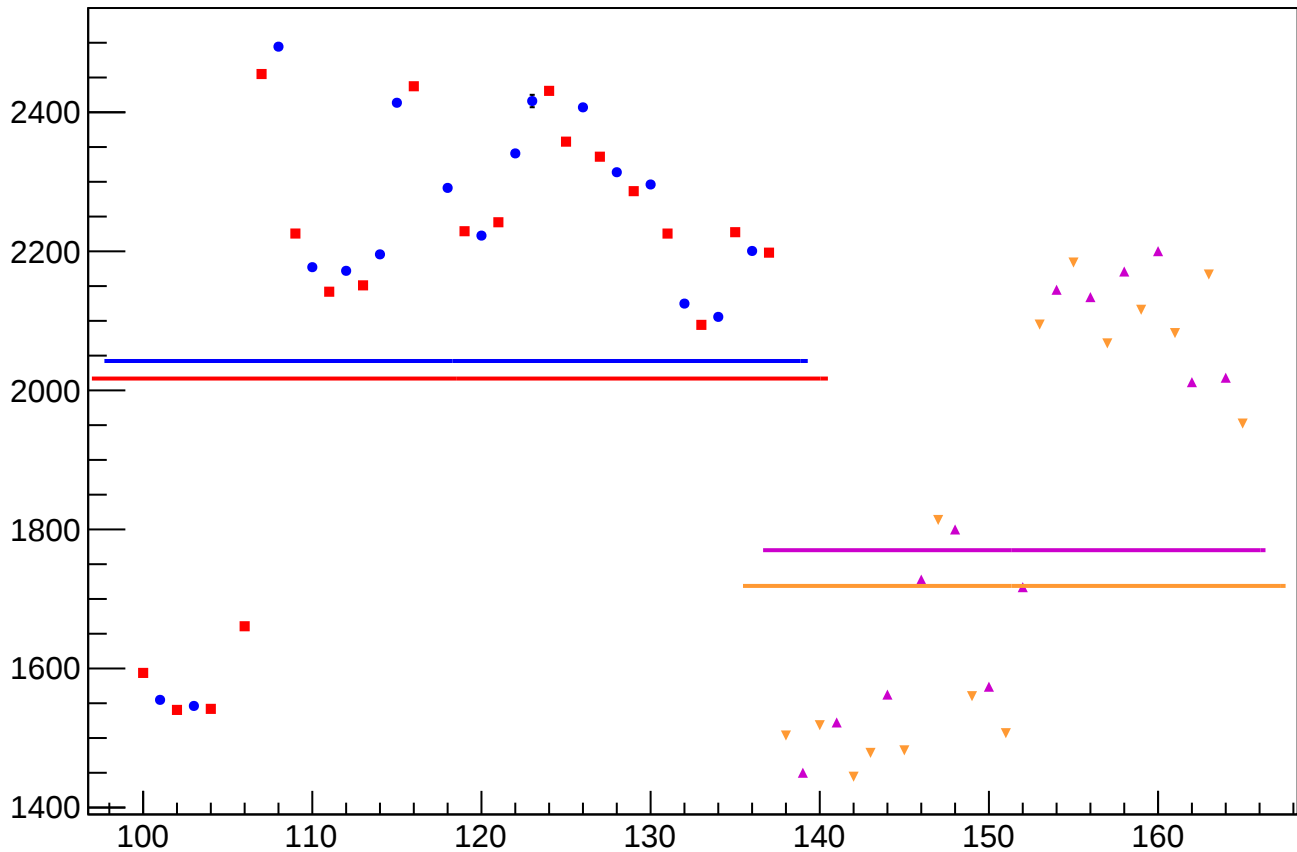
Left In: 7.661 ± 0.558 χ^2/NDF : 81.1/12

+ sign 4.542 ± 0.437 χ^2/NDF : 622.7/31

All: 3.618 ± 0.314 χ^2/NDF : 1368.1/63

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

diff_bpm0l05Y_rms vs Slug



Right In: 2042.269 $\pm$ 0.563 χ^2 /NDF: 356820.1/16

Left Out: 1718.759 $\pm$ 0.370 χ^2 /NDF: 569873.9/14

Right Out: 2017.026 $\pm$ 0.541 χ^2 /NDF: 375630.3/18

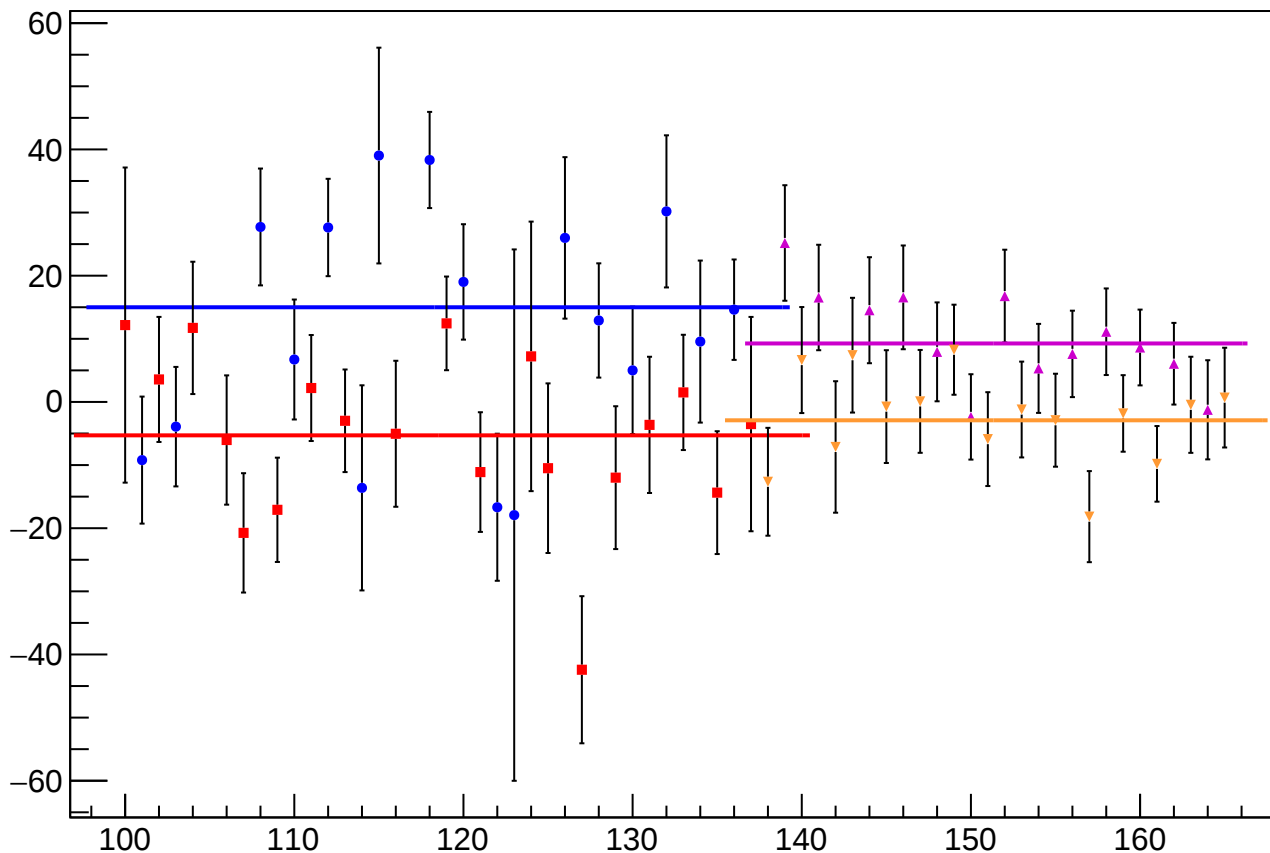
Left In: 1770.151 $\pm$ 0.395 χ^2 /NDF: 424471.0/12

+ sign 1816.092 $\pm$ 0.309 χ^2 /NDF: 1157166.1/31

All: 1835.409 $\pm$ 0.222 χ^2 /NDF: 2101300.8/63

- sign 1855.966 $\pm$ 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: -2.908 ± 1.969 $\chi^2/\text{NDF}: 13.1/14$

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

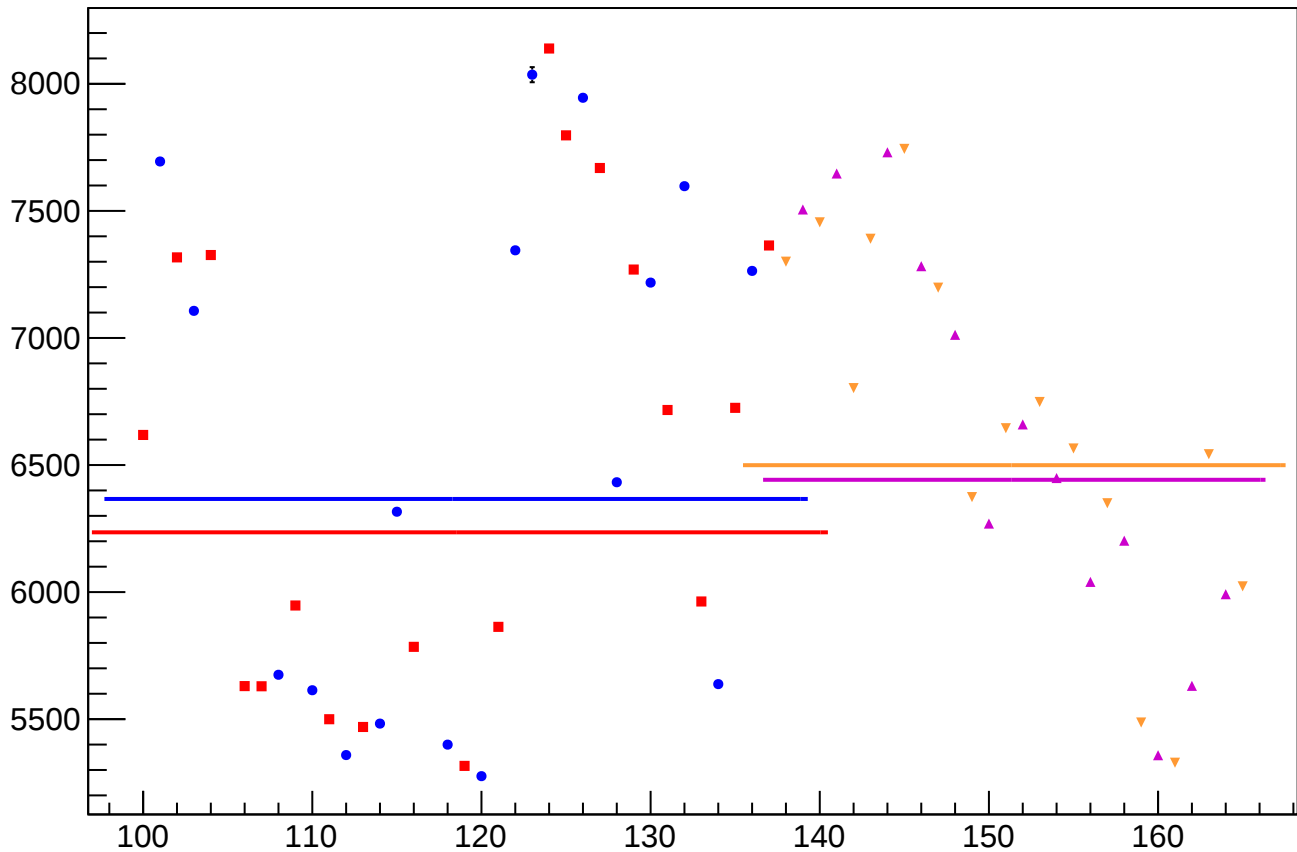
Left In: 9.264 ± 2.030 $\chi^2/\text{NDF}: 11.5/12$

+ sign 3.996 ± 1.543 $\chi^2/\text{NDF}: 86.3/31$

All: 3.529 ± 1.090 $\chi^2/\text{NDF}: 147.9/63$

- 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: 6499.388+/-1.392 χ^2/NDF : 262017.5/14

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

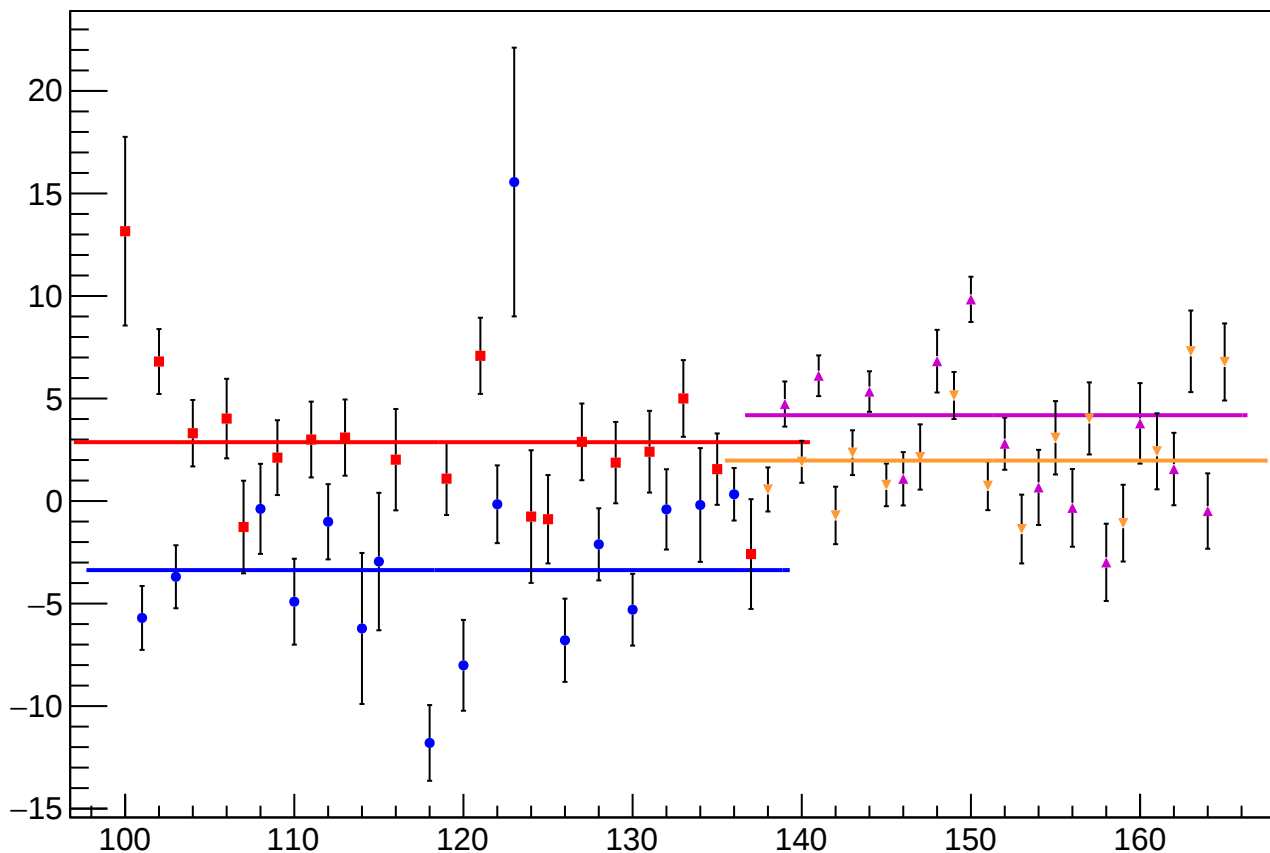
Left In: 6441.904+/-1.436 χ^2/NDF : 262939.5/12

+ sign 6448.141+/-1.091 χ^2/NDF : 552025.5/31

All: 6400.852+/-0.770 χ^2/NDF : 1070742.4/63

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

diff_bpm0l06Y_mean vs Slug



Right In: -3.368 $\pm$ 0.476 χ^2/NDF : 59.9/16

Left Out: 1.974 $\pm$ 0.352 χ^2/NDF : 37.7/14

Right Out: 2.871 $\pm$ 0.456 χ^2/NDF : 32.0/18

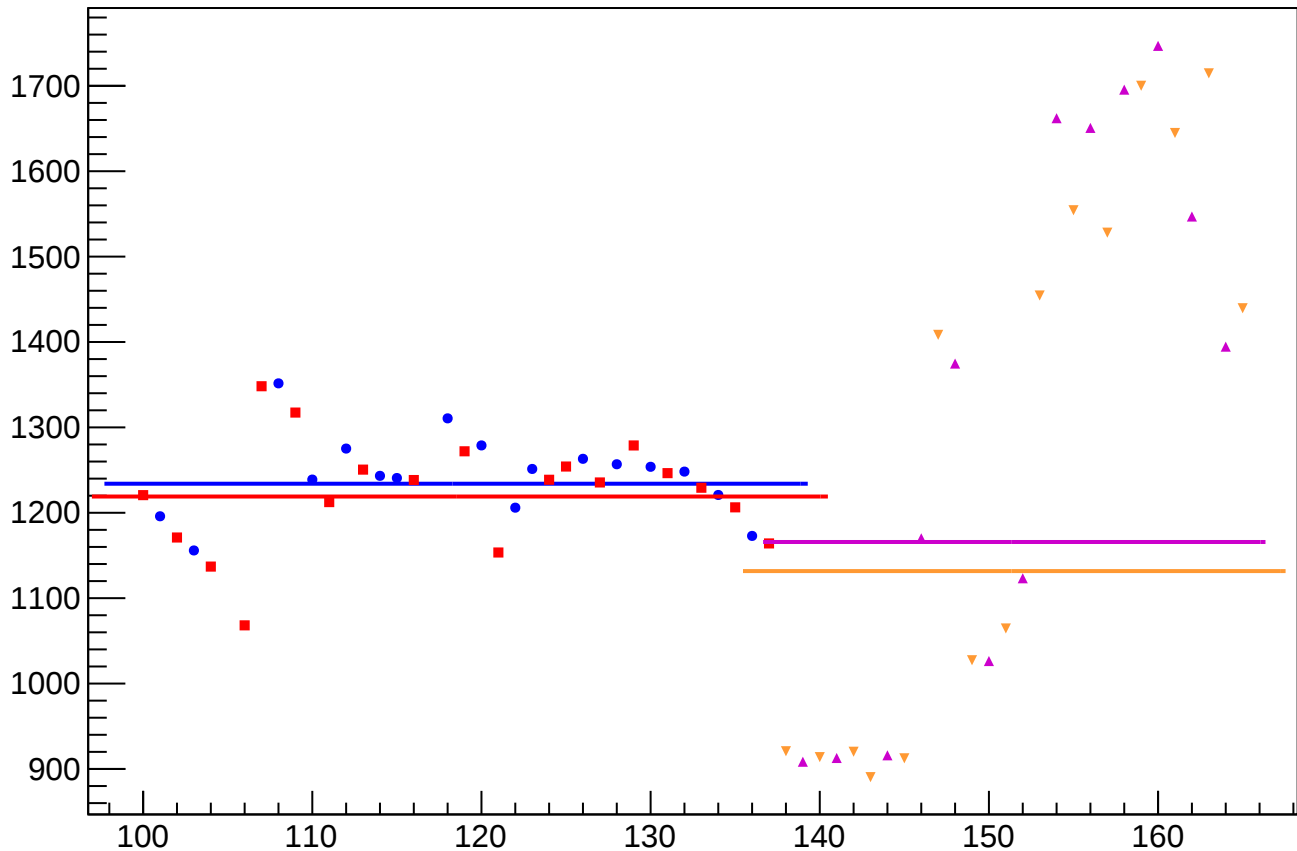
Left In: 4.186 $\pm$ 0.377 χ^2/NDF : 74.0/12

+ sign 0.080 $\pm$ 0.283 χ^2/NDF : 179.0/31

All: 1.821 $\pm$ 0.203 χ^2/NDF : 367.6/63

- sign 3.653 $\pm$ 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: 1131.722 $\pm$ 0.249 χ^2 /NDF:1332871.0/14

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

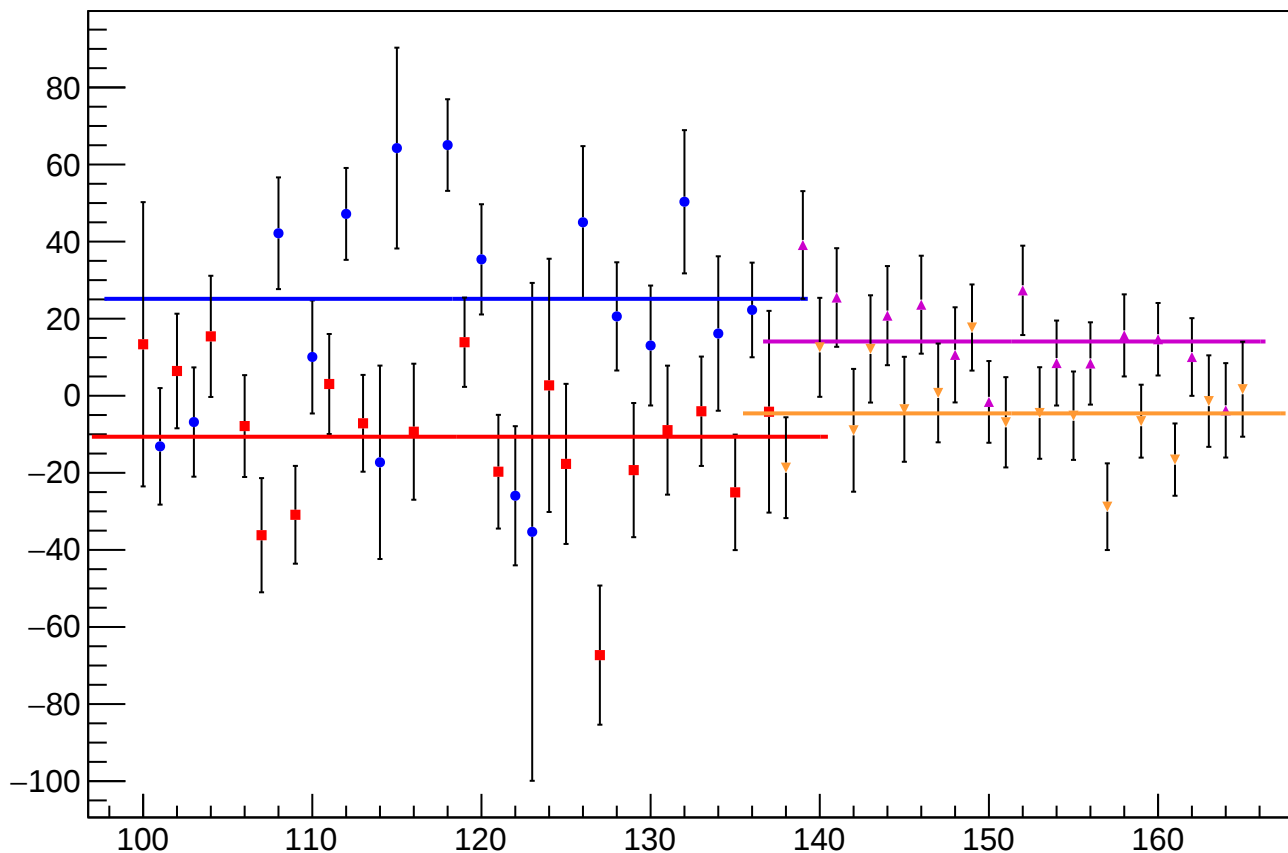
Left In: 1165.792 $\pm$ 0.266 χ^2 /NDF:1173249.2/12

+ sign 1167.983 $\pm$ 0.200 χ^2 /NDF: 1416204.3/31

All: 1177.421 $\pm$ 0.143 χ^2 /NDF: 2650586.9/63

- 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: -4.577 ± 3.063 $\chi^2/\text{NDF}: 15.3/14$

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

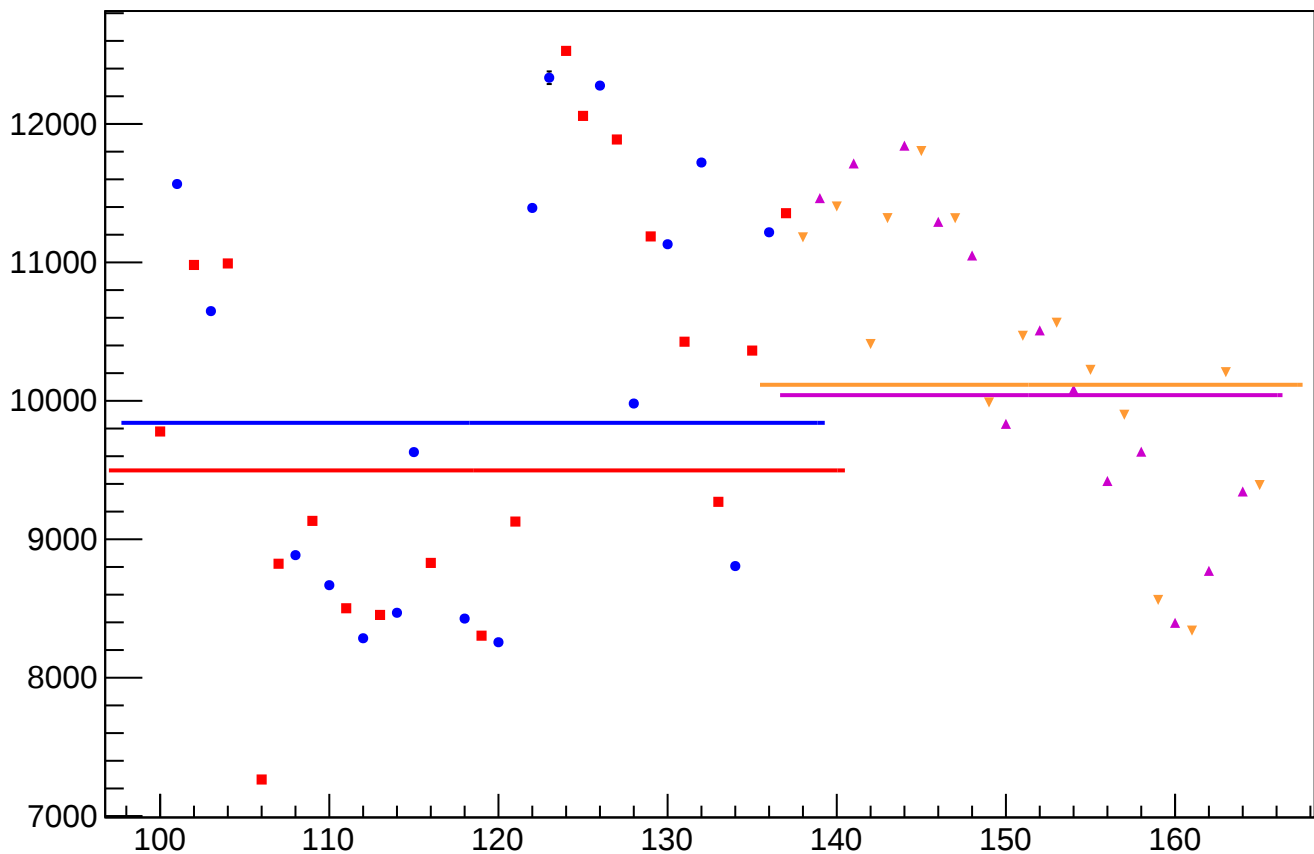
Left In: 14.078 ± 3.163 $\chi^2/\text{NDF}: 11.3/12$

+ sign 6.991 ± 2.394 $\chi^2/\text{NDF}: 98.9/31$

All: 5.129 ± 1.686 $\chi^2/\text{NDF}: 165.7/63$

- 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: 10116.031+/-2.166 χ^2/NDF : 235898.5/14

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

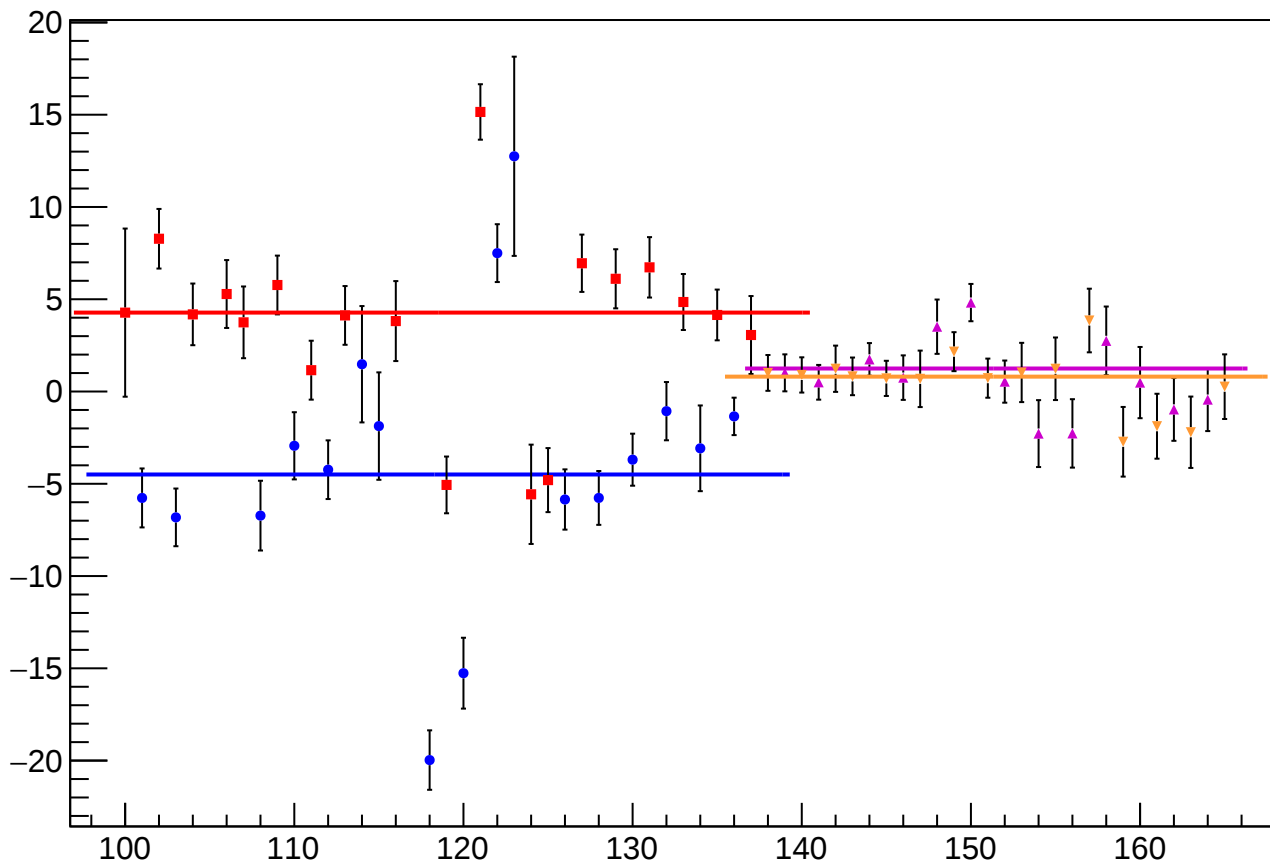
Left In: 10041.180+/-2.236 χ^2/NDF : 240024.3/12

+ sign 10009.067+/-1.693 χ^2/NDF : 502228.5/31

All: 9905.678+/-1.192 χ^2/NDF : 1052145.1/63

- 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: 0.806 ± 0.327 χ^2/NDF : 13.4/14

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

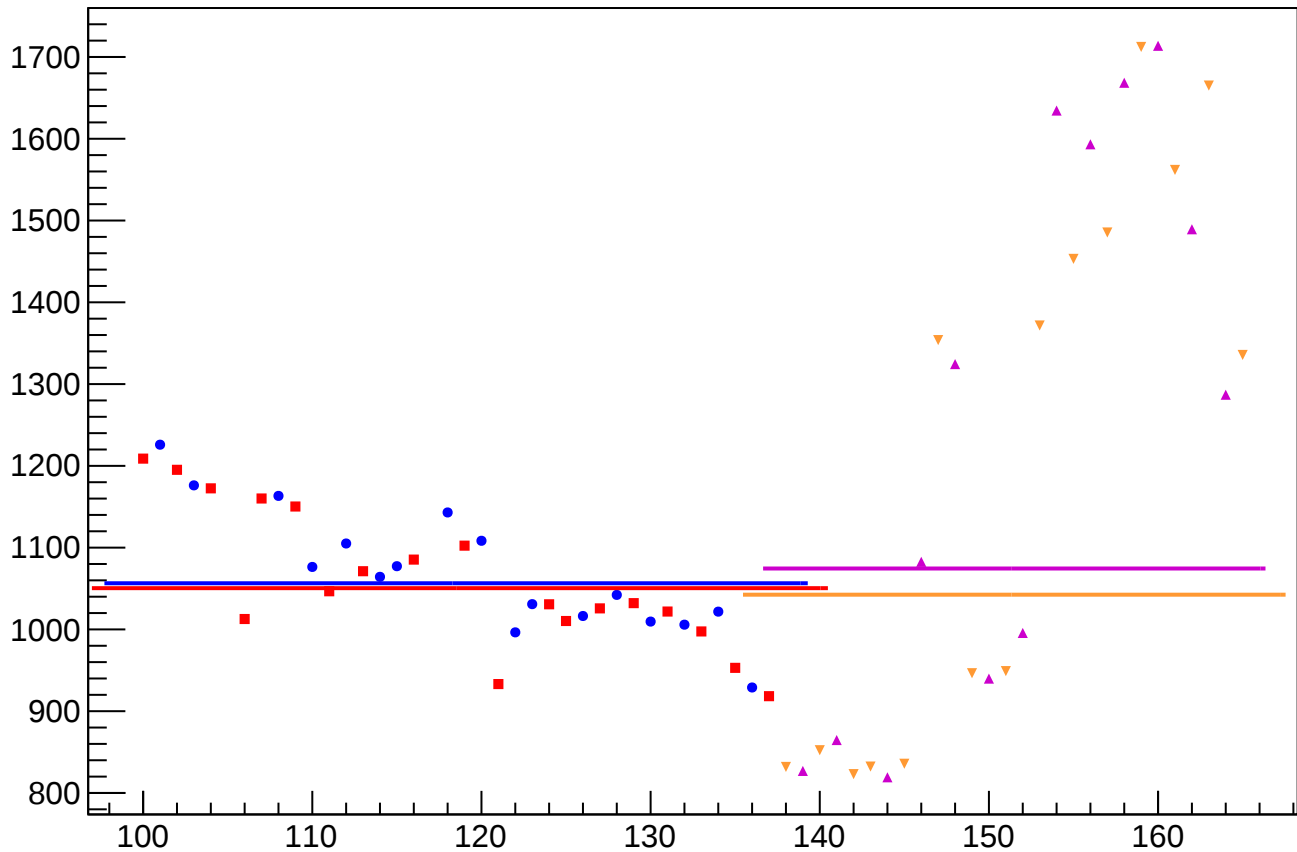
Left In: 1.247 ± 0.350 χ^2/NDF : 27.3/12

+ sign -1.268 ± 0.255 χ^2/NDF : 334.5/31

All: 0.610 ± 0.183 χ^2/NDF : 654.2/63

- 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: 1042.465 $\pm$ 0.231 χ^2 /NDF:1551878.5/14

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

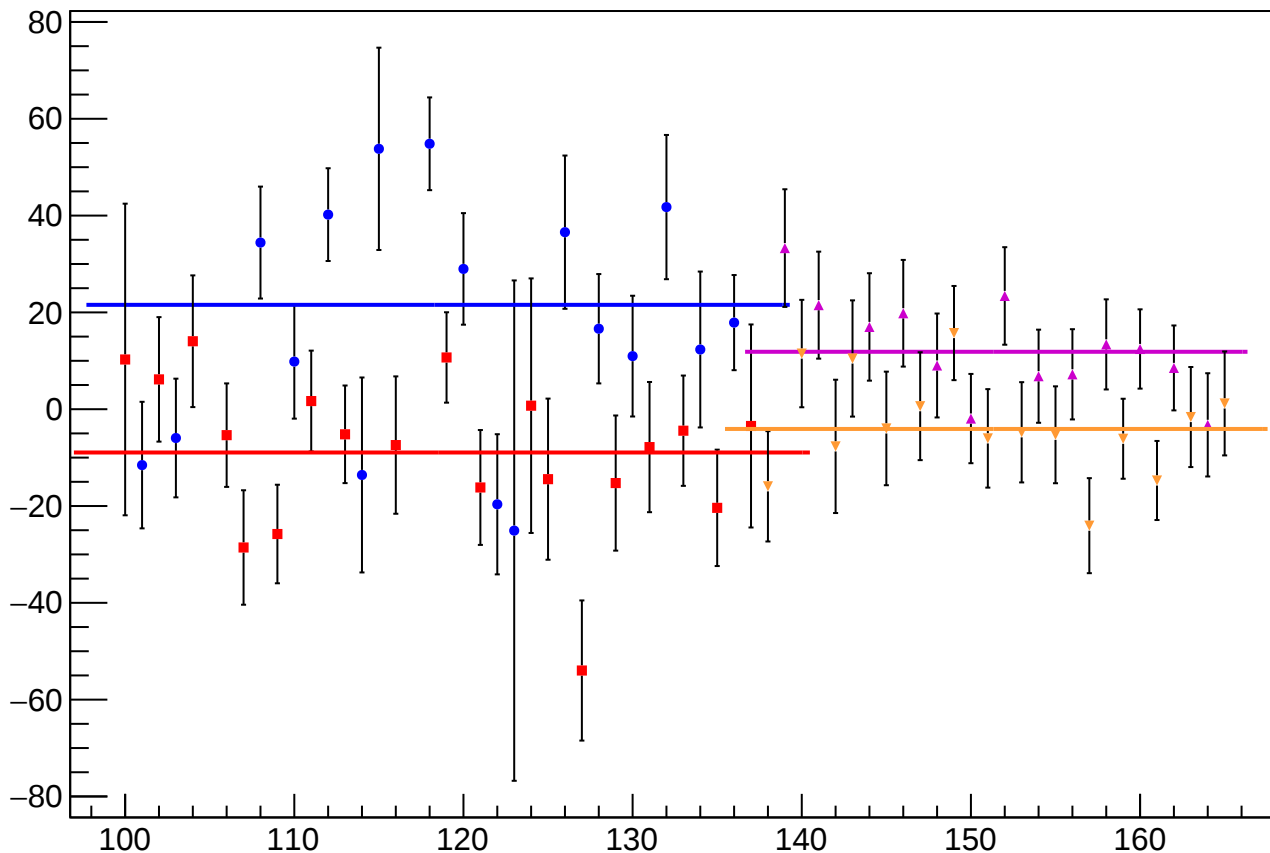
Left In: 1074.477 $\pm$ 0.248 χ^2 /NDF:1411643.3/12

+ sign 1047.931 $\pm$ 0.181 χ^2 /NDF: 1644078.0/31

All: 1055.693 $\pm$ 0.129 χ^2 /NDF: 3146066.7/63

- 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: -4.078 $\pm$ 2.664 χ^2/NDF : 15.2/14

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

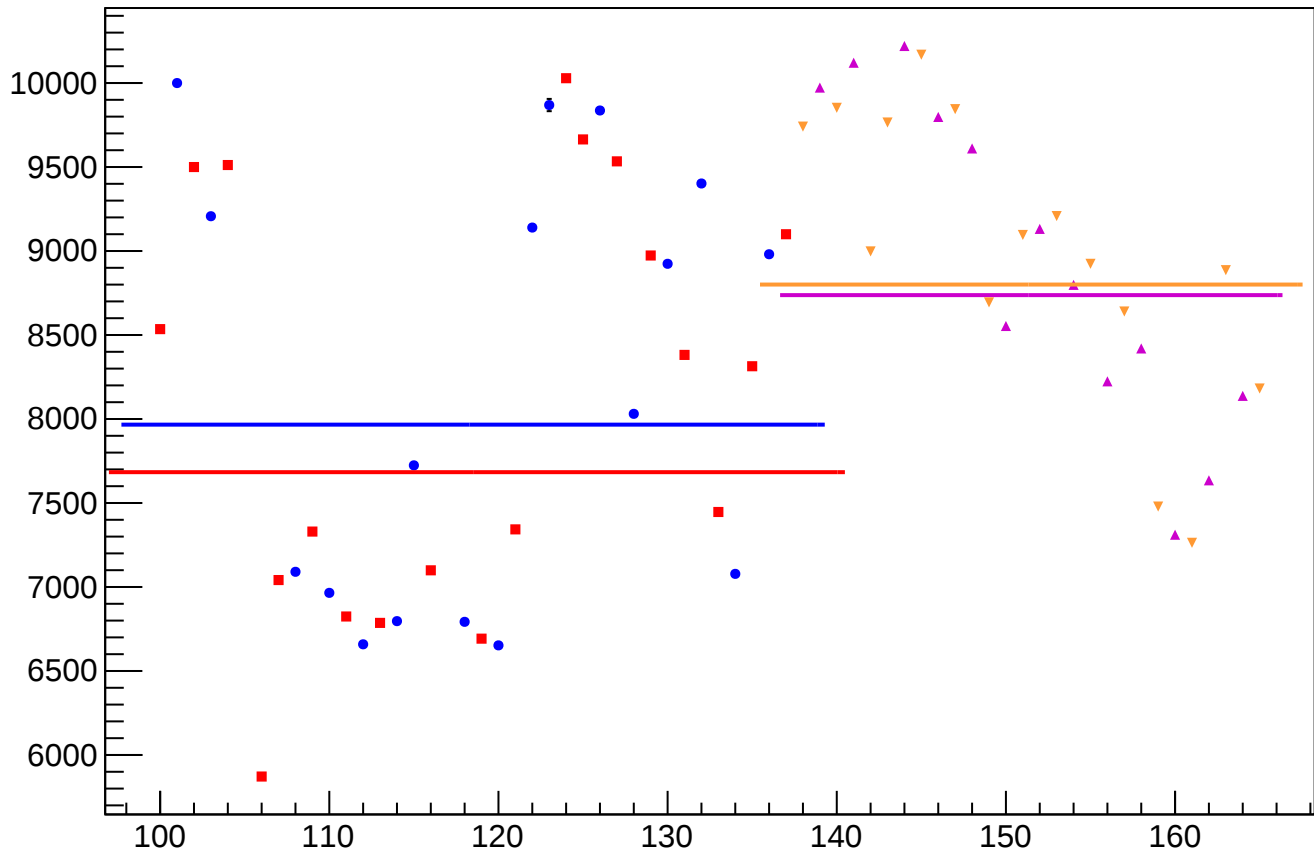
Left In: 11.864 $\pm$ 2.751 χ^2/NDF : 10.9/12

+ sign 6.770 $\pm$ 2.023 χ^2/NDF : 102.8/31

All: 4.383 $\pm$ 1.422 χ^2/NDF : 170.9/63

- 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: 8800.339 $\pm$ 1.884 χ^2 /NDF: 224313.0/14

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

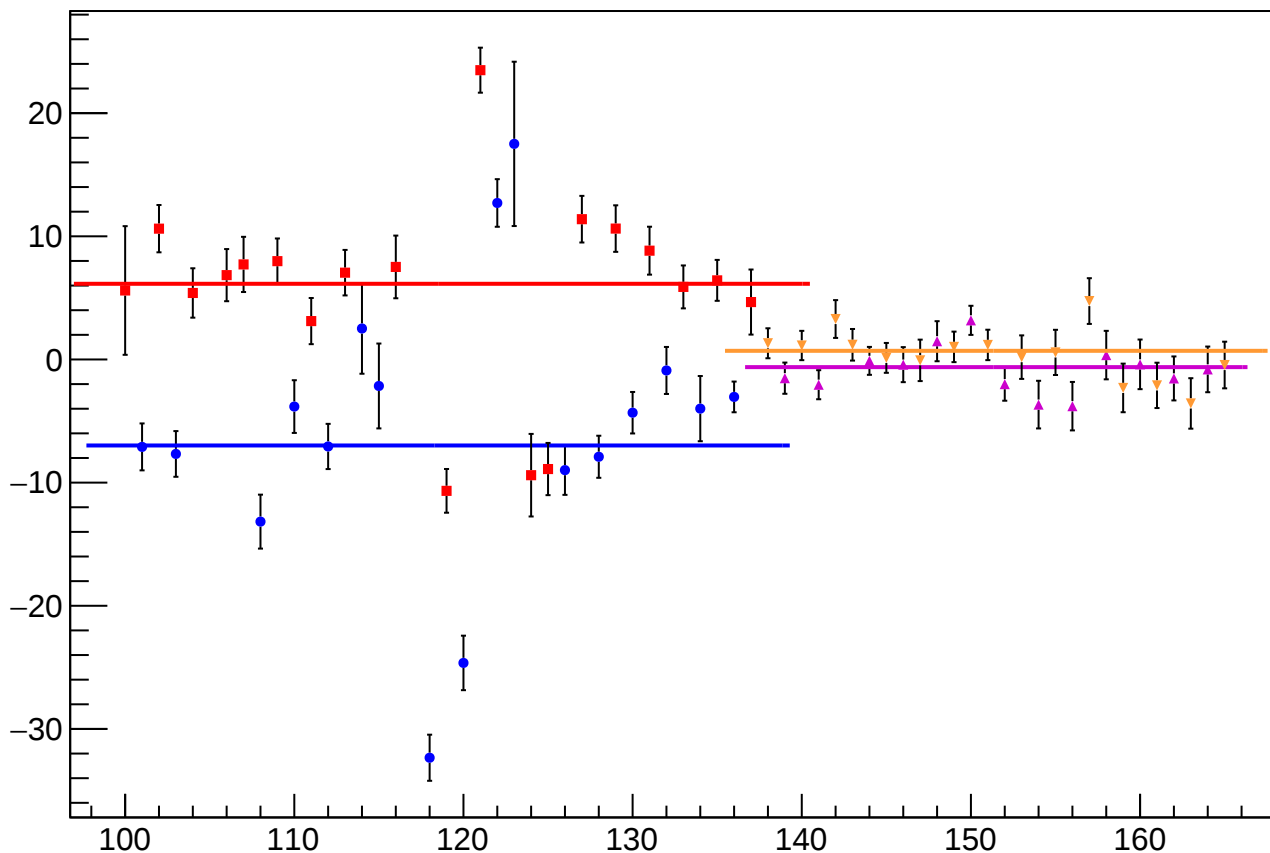
Left In: 8737.390 $\pm$ 1.945 χ^2 /NDF: 230337.8/12

+ sign 8447.491 $\pm$ 1.431 χ^2 /NDF: 603864.3/31

All: 8342.716 $\pm$ 1.006 χ^2 /NDF: 1298277.1/63

- 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: 0.702 ± 0.385 χ^2/NDF : 18.2/14

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

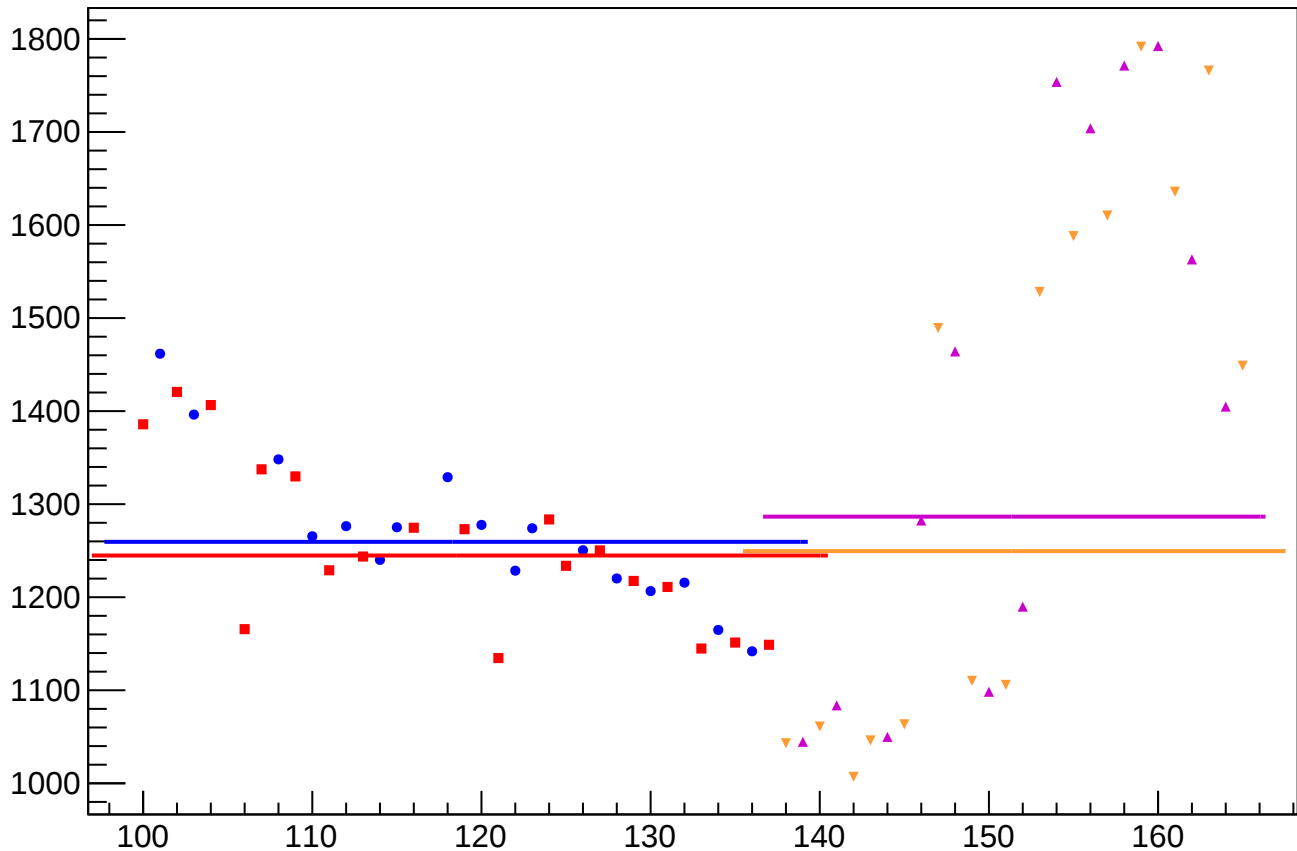
Left In: -0.622 ± 0.412 χ^2/NDF : 20.9/12

+ sign -2.264 ± 0.302 χ^2/NDF : 580.2/31

All: -0.012 ± 0.216 χ^2/NDF : 1110.4/63

- 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: 1249.557 $\pm$ 0.273 χ^2 /NDF: 929788.6/14

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

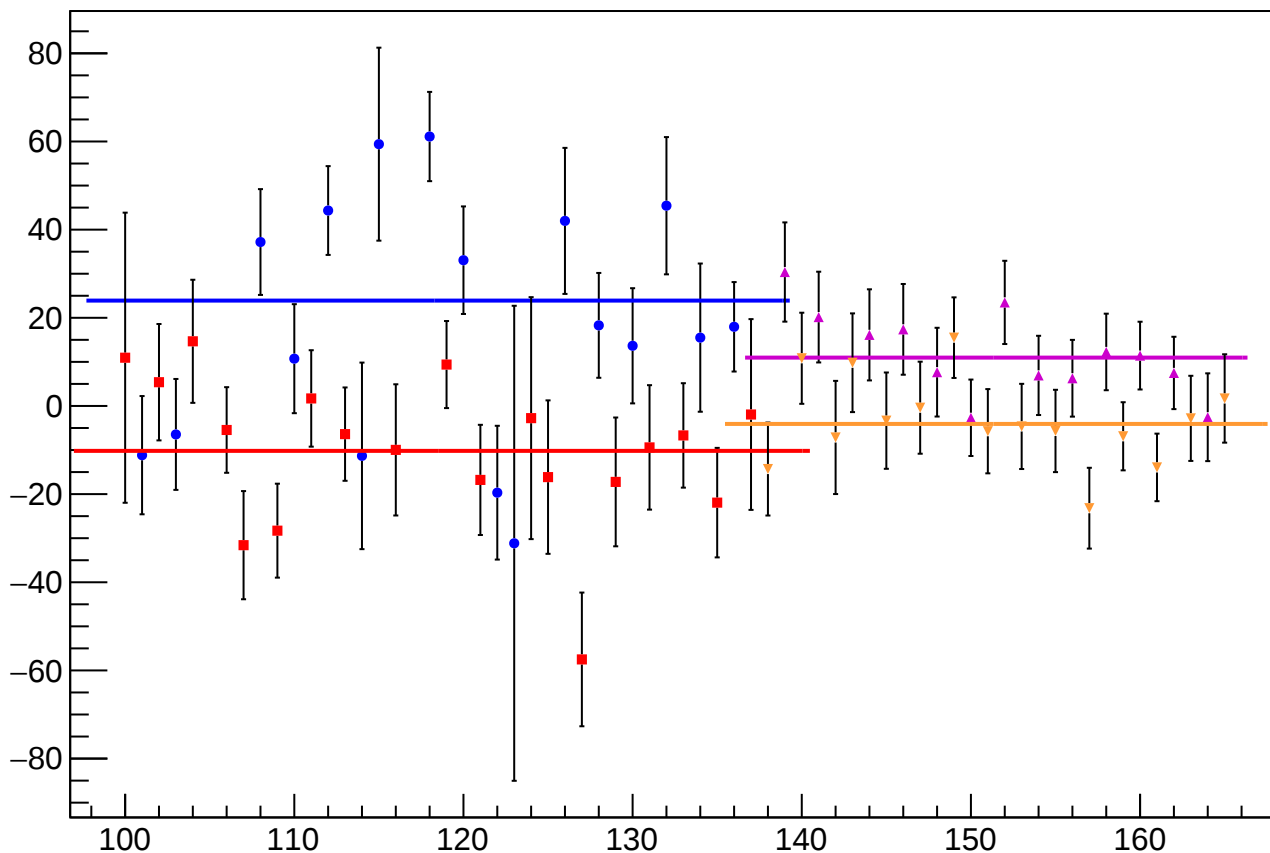
Left In: 1286.594 $\pm$ 0.291 χ^2 /NDF: 814197.7/12

+ sign 1253.407 $\pm$ 0.214 χ^2 /NDF: 995149.8/31

All: 1260.691 $\pm$ 0.153 χ^2 /NDF: 1887553.7/63

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

diff_bpm0l09X_mean vs Slug



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

Left Out: -4.078 ± 2.489 $\chi^2/\text{NDF}: 15.9/14$

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

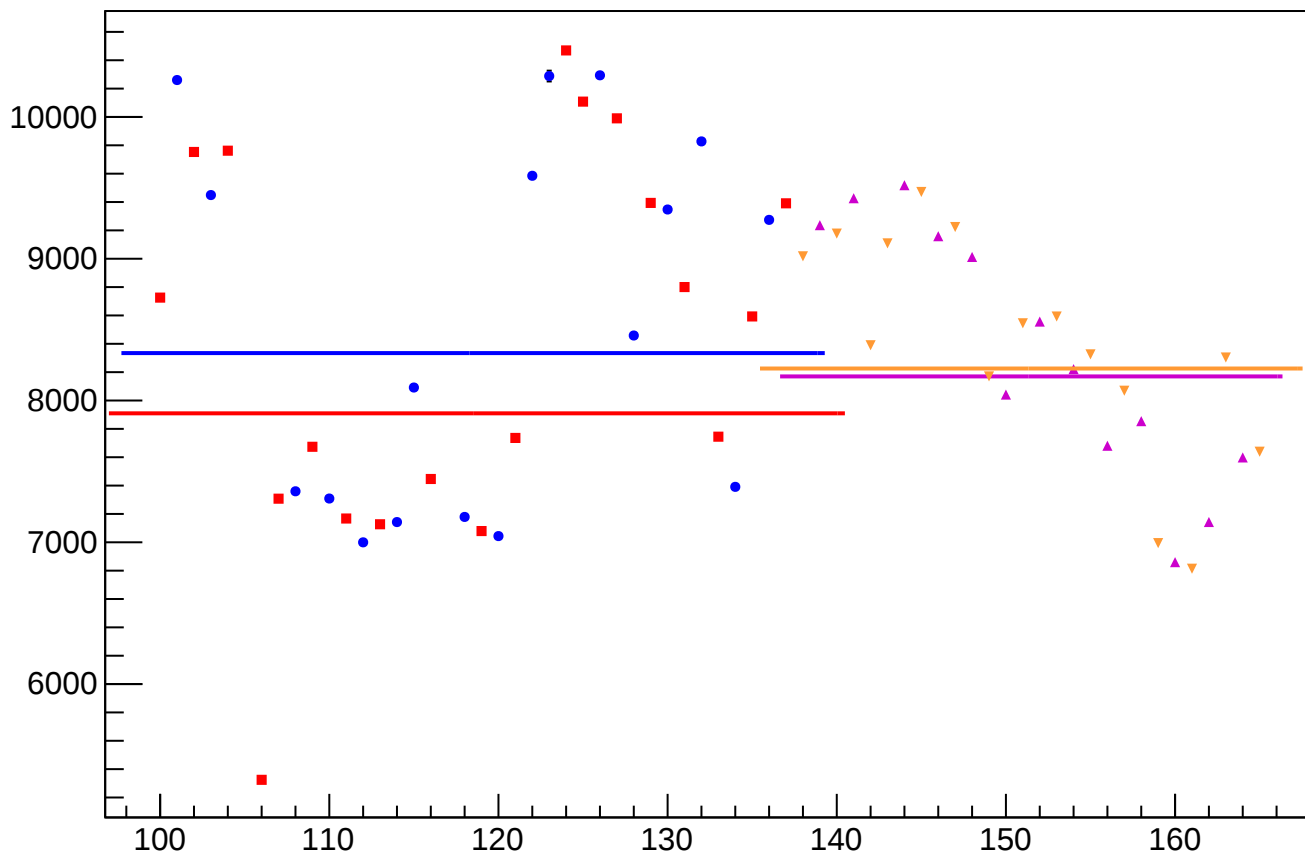
Left In: 10.969 ± 2.572 $\chi^2/\text{NDF}: 11.3/12$

+ sign 6.266 ± 1.976 $\chi^2/\text{NDF}: 115.0/31$

All: 4.122 ± 1.390 $\chi^2/\text{NDF}: 185.2/63$

- sign -2.026 ± 1.954 $\chi^2/\text{NDF}: 67.8/31$

diff_bpm0l09X_rms vs Slug



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

Left Out: 8225.733+/-1.760 χ^2/NDF : 216916.4/14

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

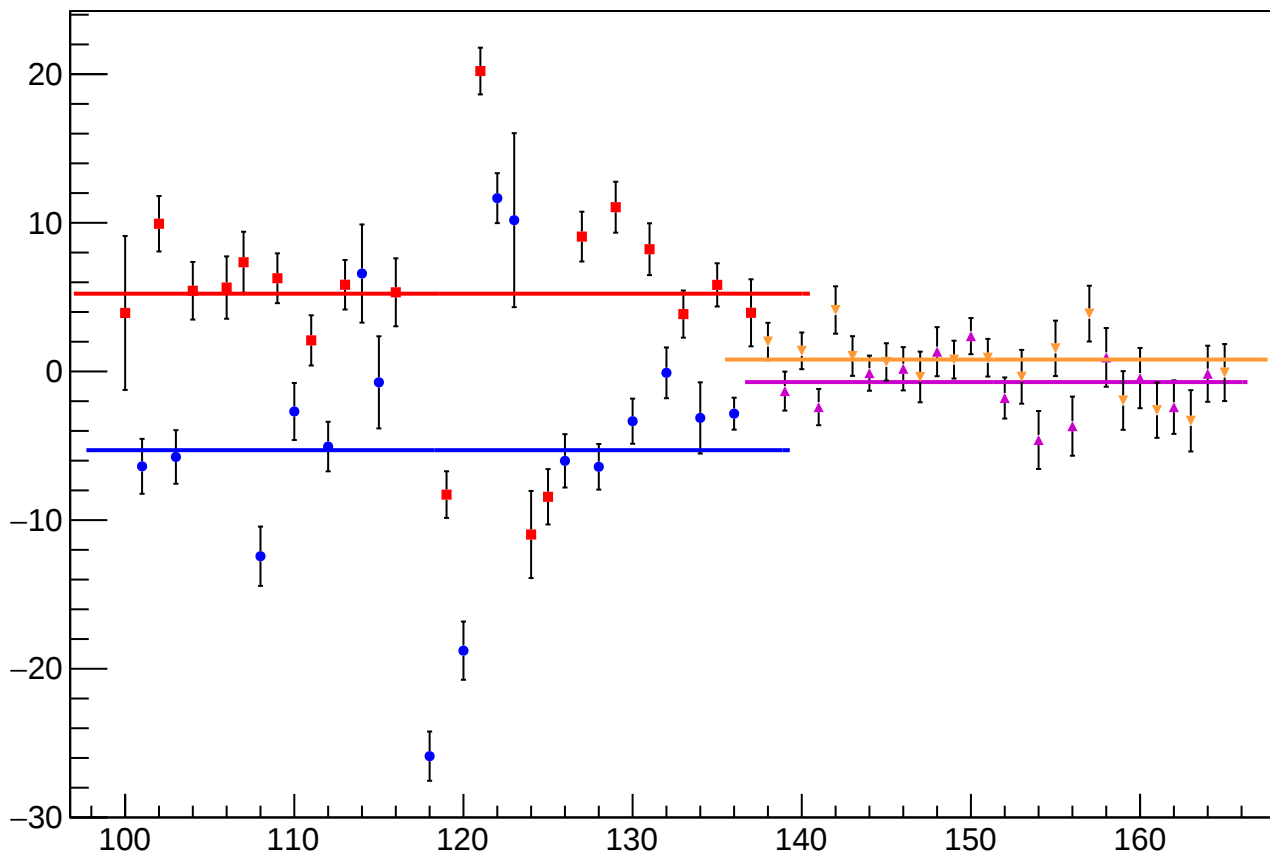
Left In: 8169.981+/-1.818 χ^2/NDF : 223124.5/12

+ sign 8265.942+/-1.397 χ^2/NDF : 490630.7/31

All: 8161.769+/-0.983 χ^2/NDF : 1124227.9/63

- sign 8059.938+/-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: 0.802 ± 0.395 χ^2/NDF : 18.9/14

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

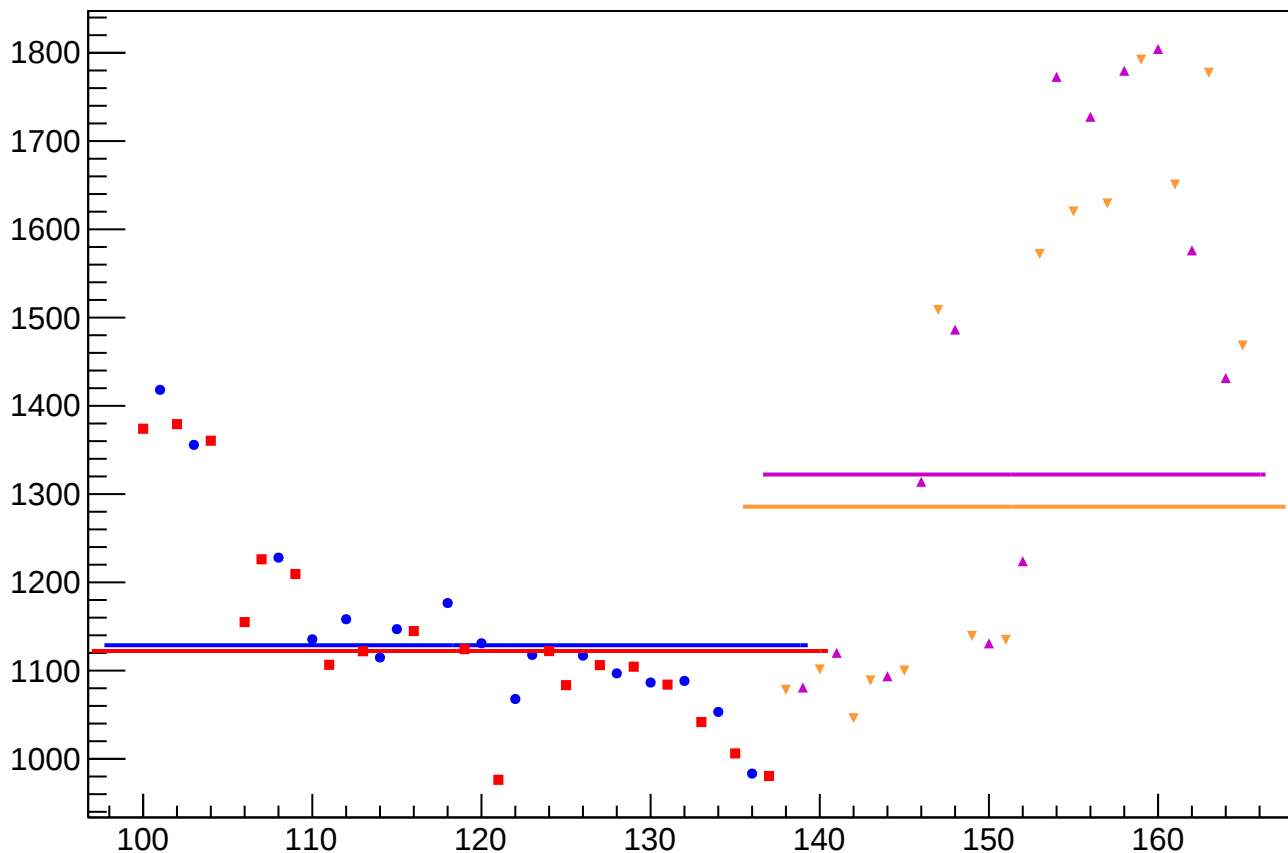
Left In: -0.714 ± 0.422 χ^2/NDF : 19.2/12

+ sign -1.944 ± 0.293 χ^2/NDF : 484.1/31

All: 0.123 ± 0.209 χ^2/NDF : 985.7/63

- 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: 1285.712+/-0.280 χ^2/NDF : 843003.0/14

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

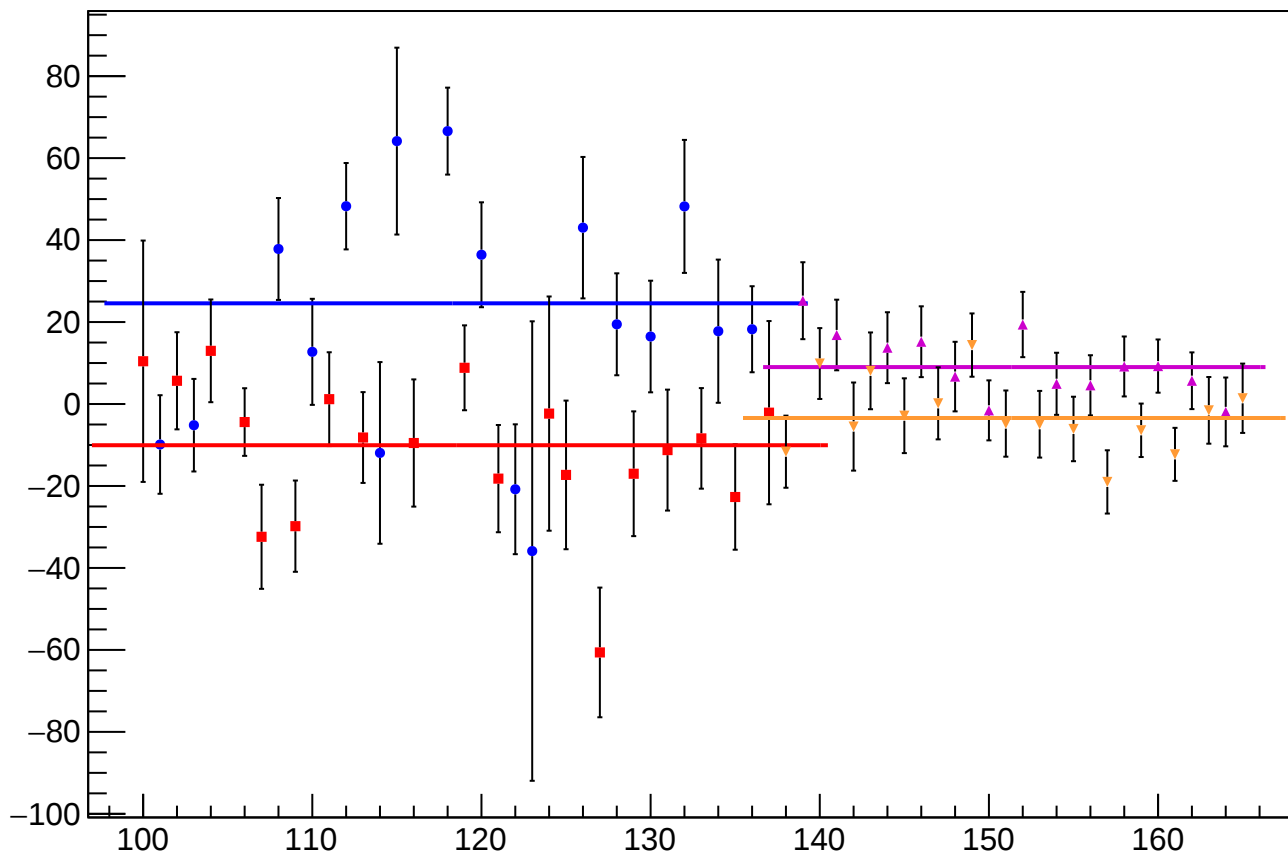
Left In: 1322.190+/-0.298 χ^2/NDF : 733590.7/12

+ sign 1215.012+/-0.207 χ^2/NDF : 1118030.8/31

All: 1218.498+/-0.148 χ^2/NDF : 2206433.9/63

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

diff_bpm0l10X_mean vs Slug



Right In: 24.569 $\pm$ 3.318 χ^2 /NDF: 58.1/16

Left Out: -3.412 $\pm$ 2.094 χ^2 /NDF: 17.0/14

Right Out: -10.057 $\pm$ 3.008 χ^2 /NDF: 28.8/18

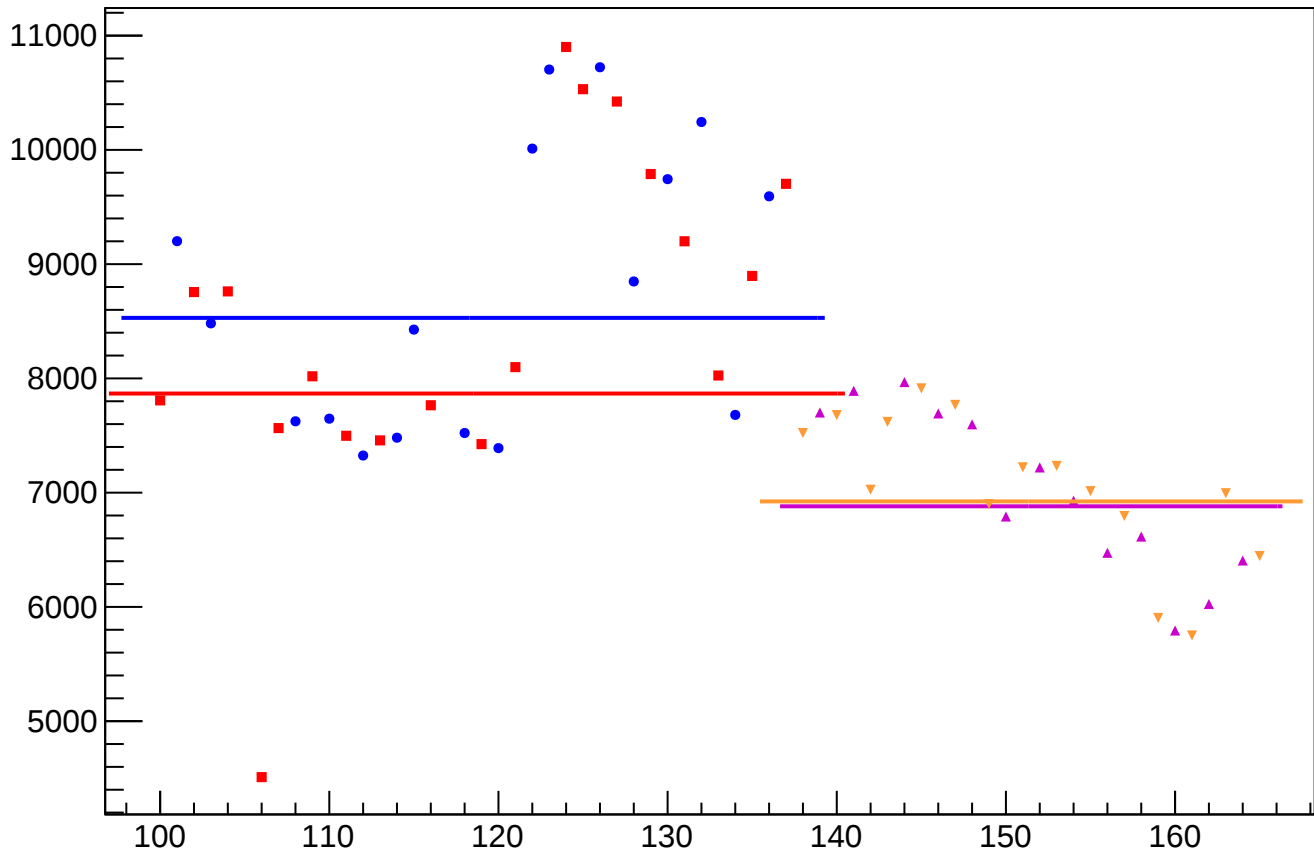
Left In: 9.011 $\pm$ 2.165 χ^2 /NDF: 11.1/12

+ sign 4.559 $\pm$ 1.771 χ^2 /NDF: 125.9/31

All: 3.523 $\pm$ 1.247 χ^2 /NDF: 193.0/63

- sign 2.503 $\pm$ 1.757 χ^2 /NDF: 66.3/31

diff_bpm0l10X_rms vs Slug



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

Left Out: 6923.464+/-1.481 χ^2/NDF : 205498.5/14

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

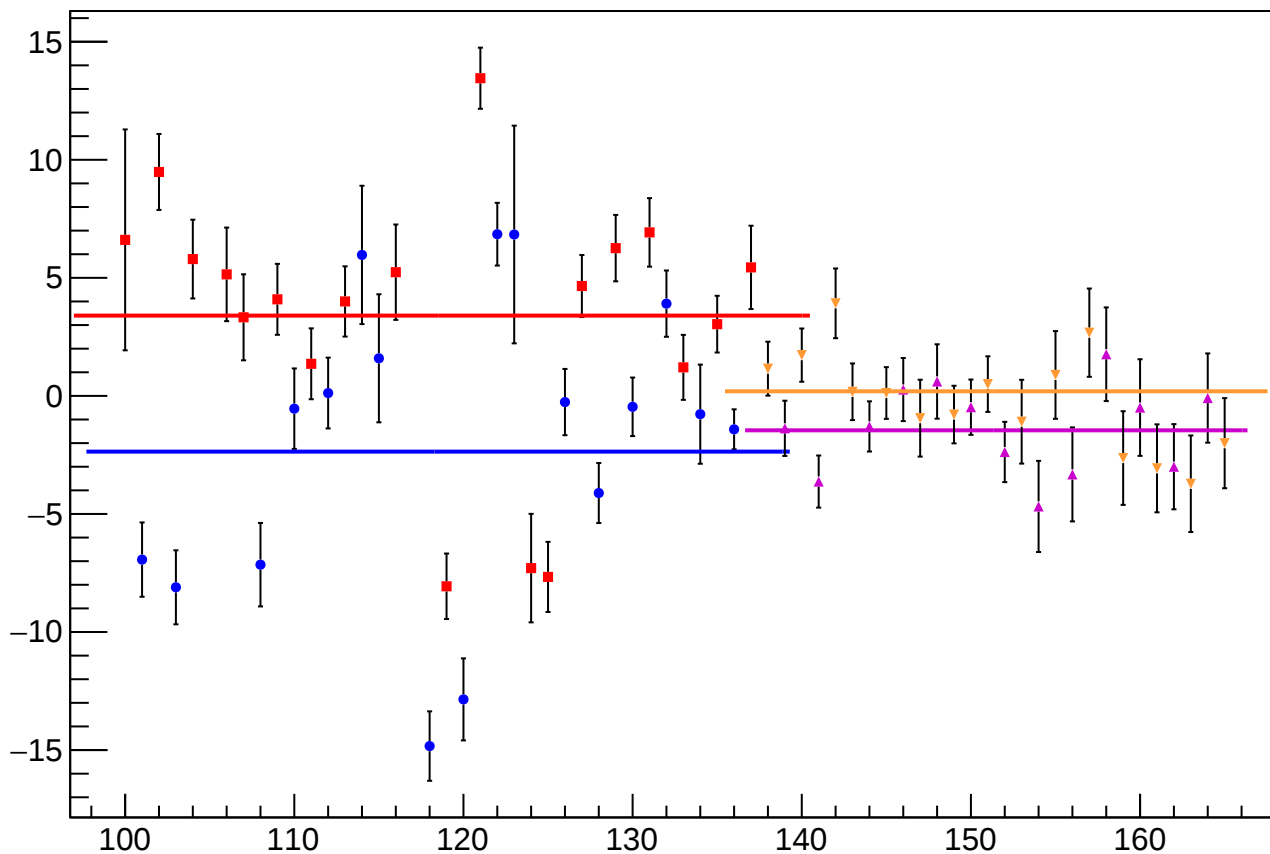
Left In: 6880.562+/-1.531 χ^2/NDF : 212249.7/12

+ sign 7381.091+/-1.252 χ^2/NDF : 748985.6/31

All: 7298.605+/-0.882 χ^2/NDF : 1667564.8/63

- 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: 0.196 ± 0.371 χ^2/NDF : 22.7/14

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

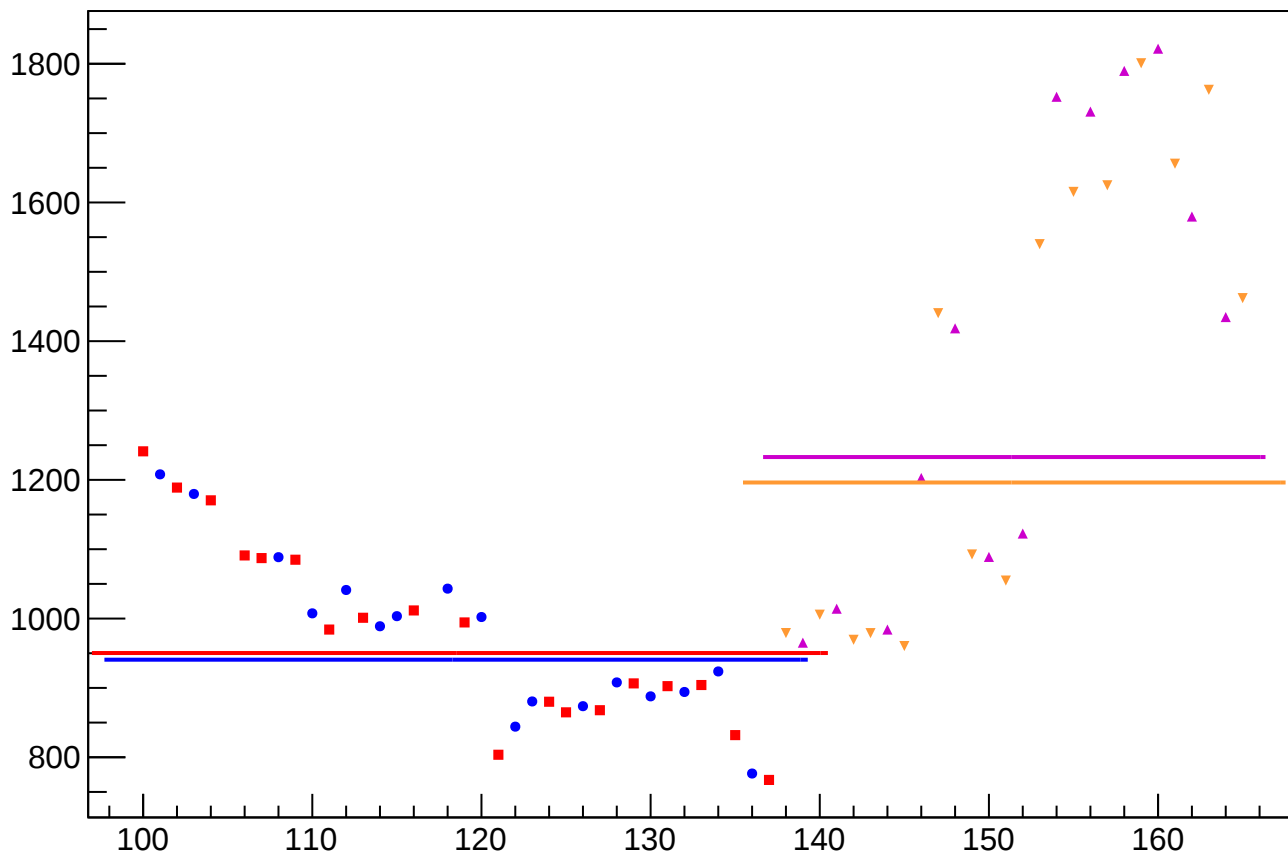
Left In: -1.458 ± 0.397 χ^2/NDF : 16.3/12

+ sign -1.101 ± 0.260 χ^2/NDF : 278.7/31

All: 0.035 ± 0.186 χ^2/NDF : 657.9/63

- 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: 1196.215 $\pm$ 0.262 χ^2 /NDF:1204904.0/14

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

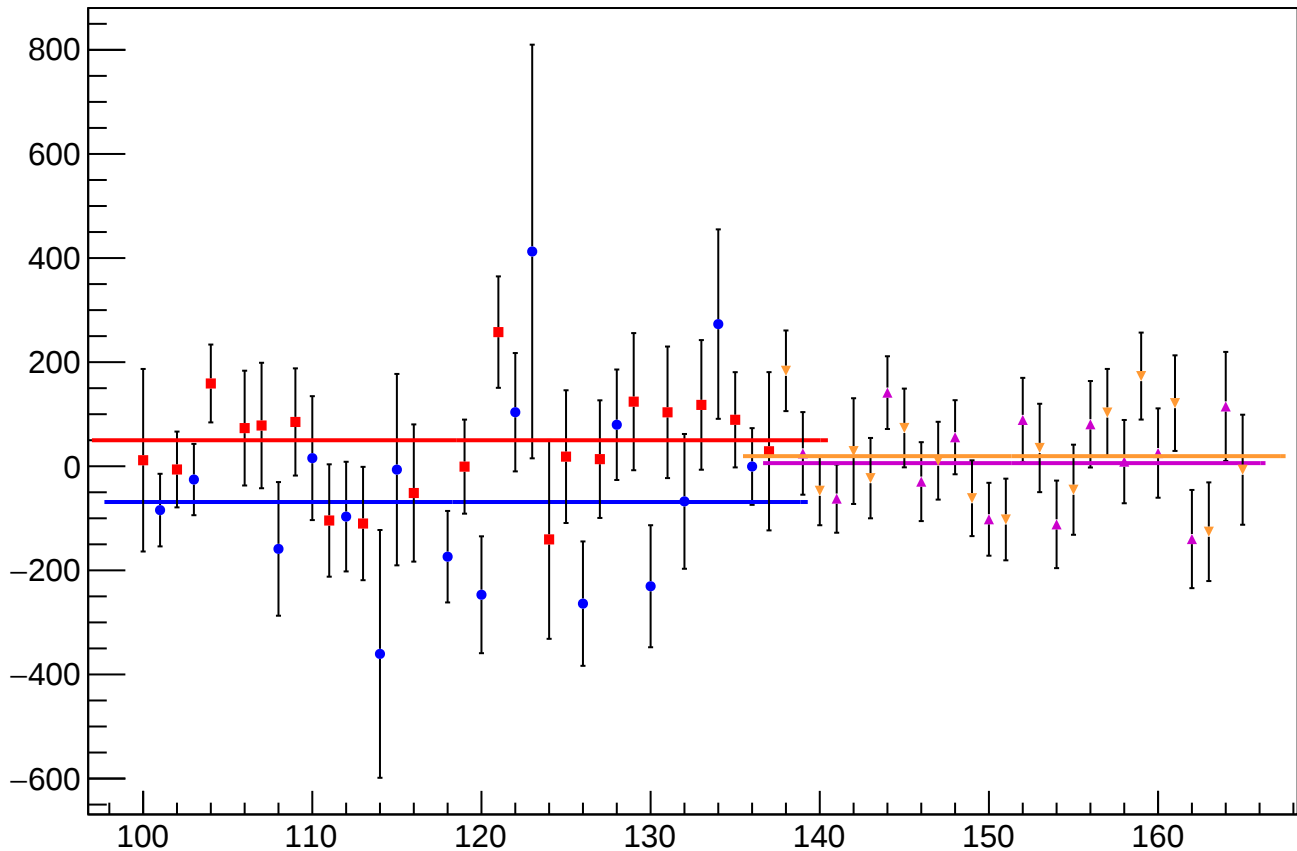
Left In: 1232.919 $\pm$ 0.281 χ^2 /NDF:1056592.5/12

+ sign 1066.525 $\pm$ 0.184 χ^2 /NDF: 1927968.3/31

All: 1071.705 $\pm$ 0.132 χ^2 /NDF: 3765396.7/63

- 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: 19.412 ± 21.122 χ^2/NDF : 18.6/14

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

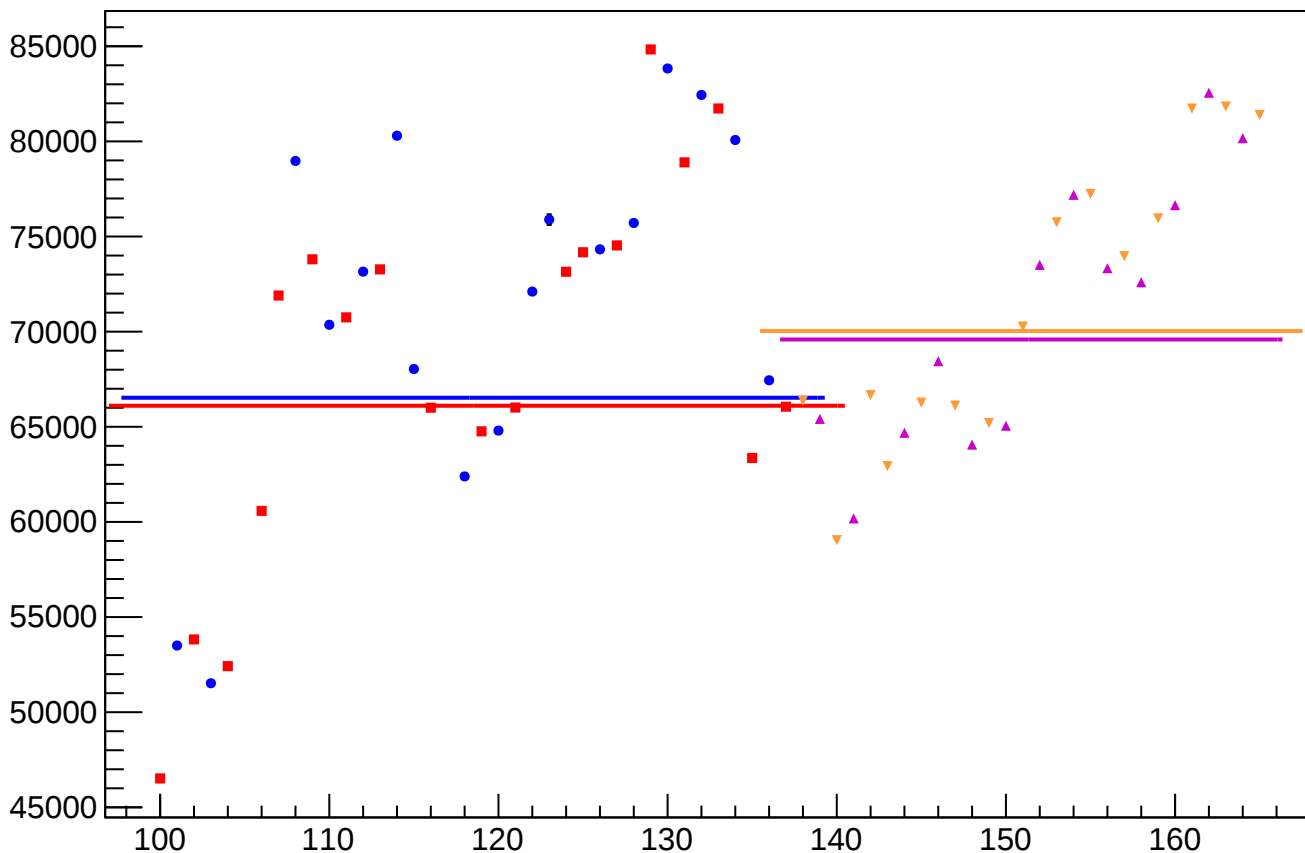
Left In: 6.016 ± 21.788 χ^2/NDF : 15.3/12

+ sign -15.704 ± 16.381 χ^2/NDF : 47.3/31

All: 4.569 ± 11.601 χ^2/NDF : 81.4/63

- 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

Left Out: 70035.588+/-14.936 χ^2/NDF : 221910.7/14

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

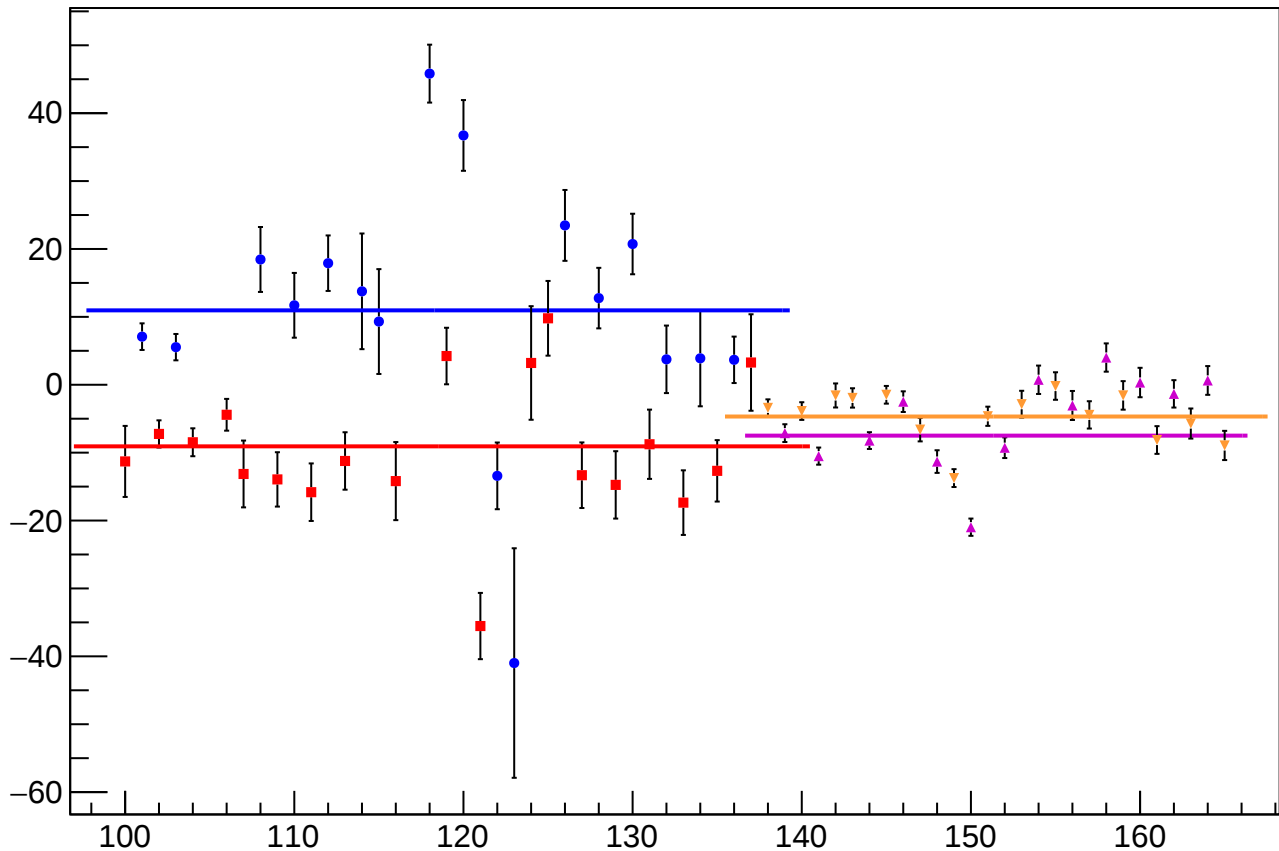
Left In: 69588.850+/-15.406 χ^2/NDF : 177108.0/12

+ sign 68637.208+/-11.583 χ^2/NDF : 564790.1/31

All: 68362.789+/-8.203 χ^2/NDF : 1063552.5/6

- sign 68086.682+/-11.618 χ^2/NDF : 497636.3/31

diff_bpm0r03Y_mean vs Slug



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

Left Out: -4.678 ± 0.420 χ^2/NDF : 78.0/14

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

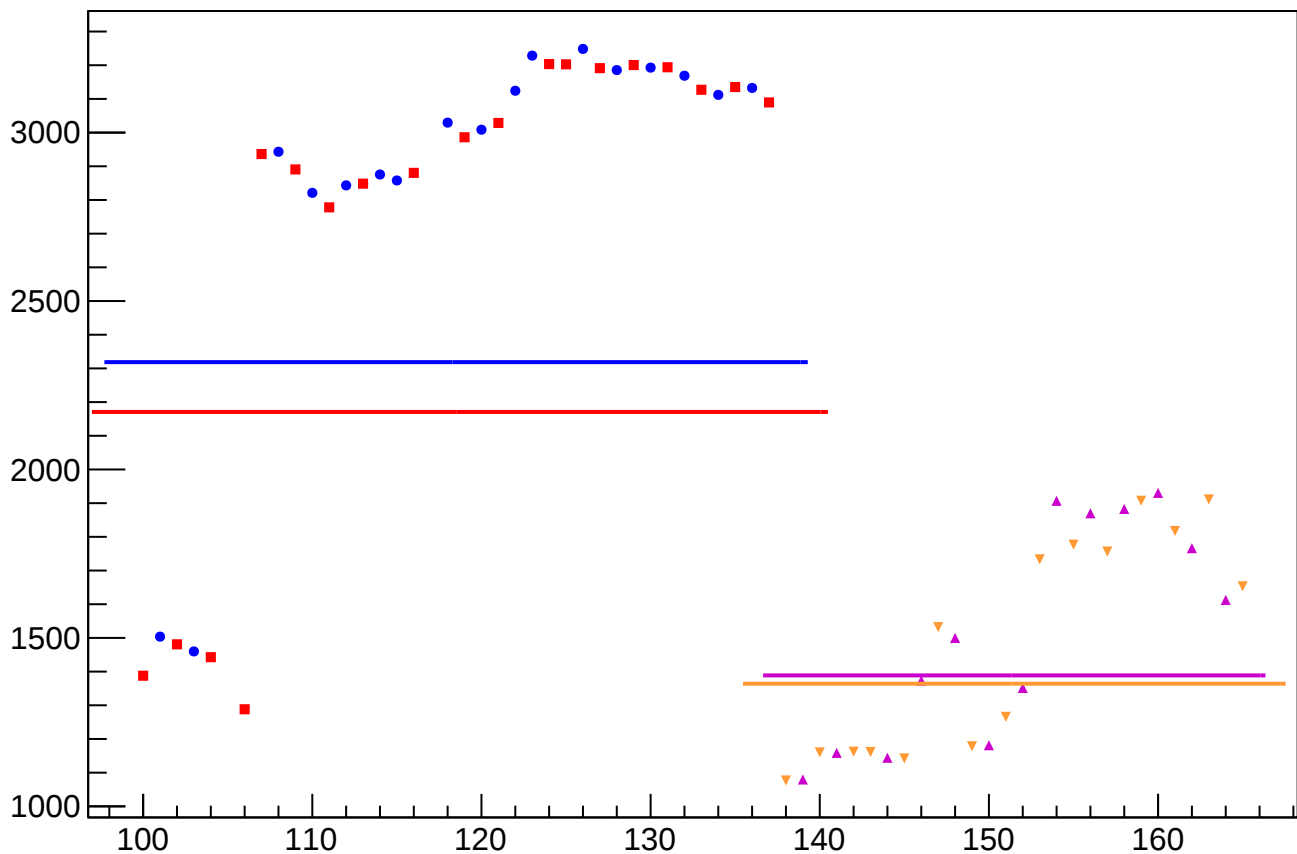
Left In: -7.493 ± 0.444 χ^2/NDF : 223.6/12

+ sign -2.091 ± 0.384 χ^2/NDF : 468.2/31

All: -4.871 ± 0.275 χ^2/NDF : 875.8/63

- 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: 1364.052 $\pm$ 0.297 χ^2 /NDF: 966072.7/14

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

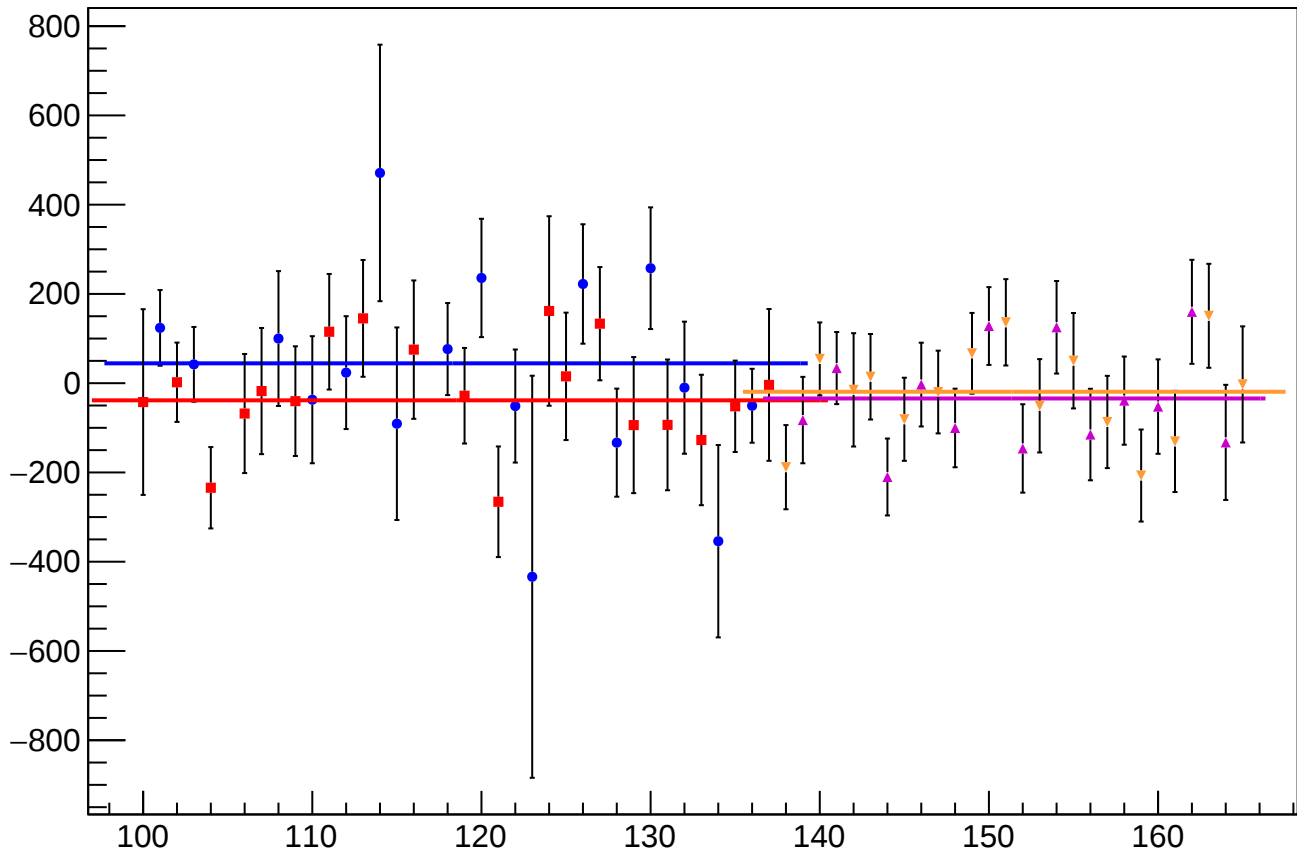
Left In: 1388.724 $\pm$ 0.314 χ^2 /NDF: 873853.6/12

+ sign 1521.965 $\pm$ 0.271 χ^2 /NDF: 4084069.6/31

All: 1536.280 $\pm$ 0.195 χ^2 /NDF: 8007984.2/63

- 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: -19.238 ± 26.073 χ^2/NDF : 15.5/14

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

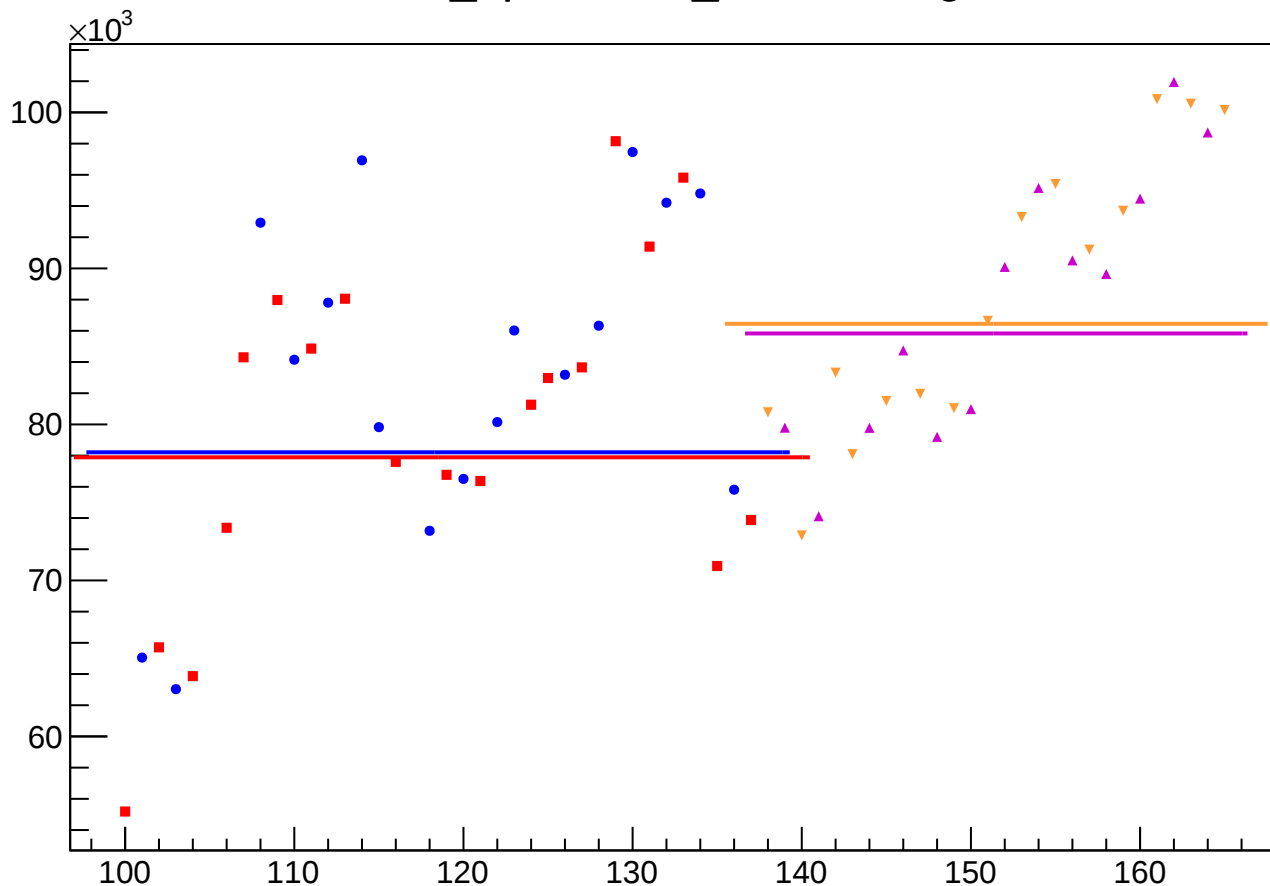
Left In: -34.256 ± 26.876 χ^2/NDF : 16.9/12

+ sign 7.737 ± 19.800 χ^2/NDF : 37.1/31

All: -14.155 ± 14.017 χ^2/NDF : 72.2/63

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

diff_bpm0r05X_rms vs Slug



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

Left Out: 86449.562 $\pm$ 18.437 χ^2 /NDF:216740.1/14

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

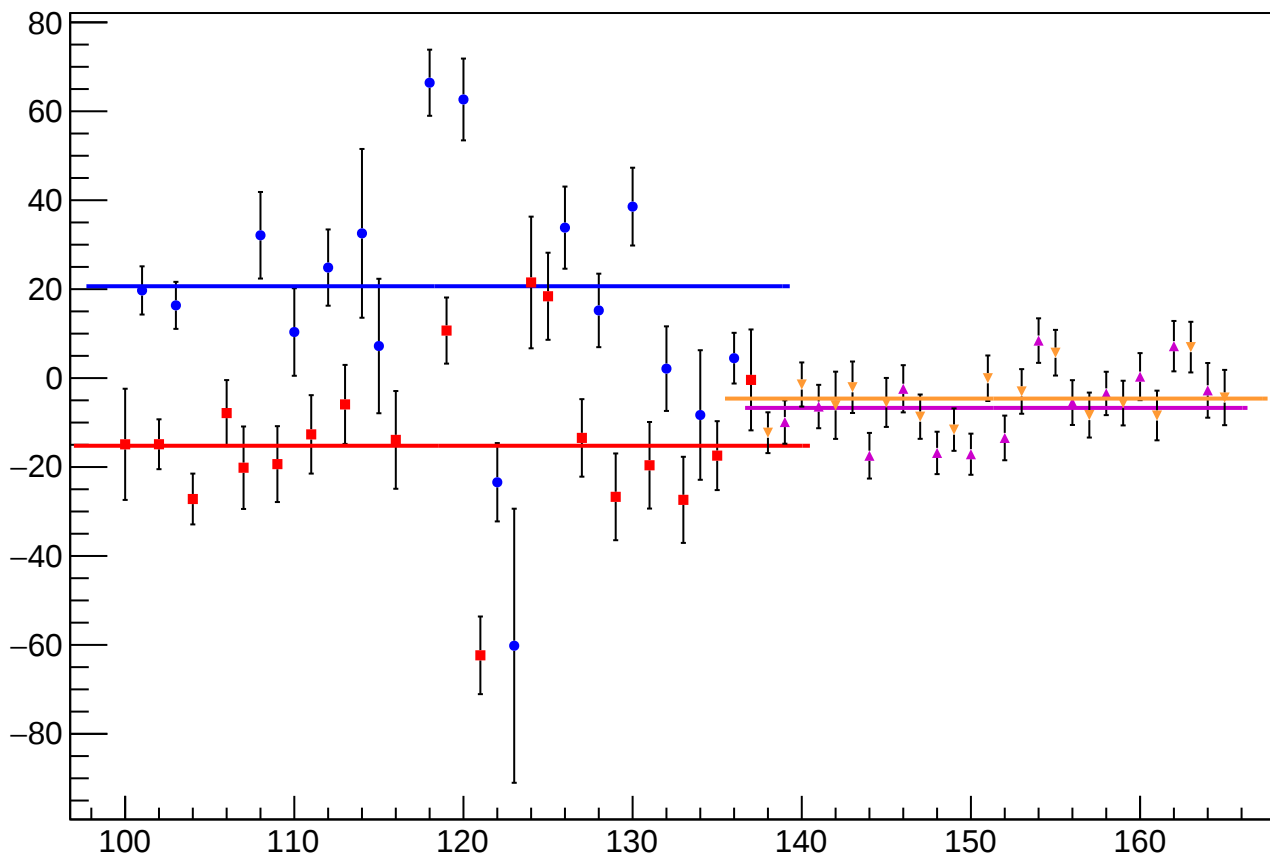
Left In: 85831.767 $\pm$ 19.004 χ^2 /NDF:176131.2/12

+ sign 82962.861 $\pm$ 14.001 χ^2 /NDF: 552285.5/31

All: 82593.265 $\pm$ 9.912 χ^2 /NDF: 1056143.0/6

- sign 82221.890 $\pm$ 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: -4.606 ± 1.366 χ^2/NDF : 16.4/14

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

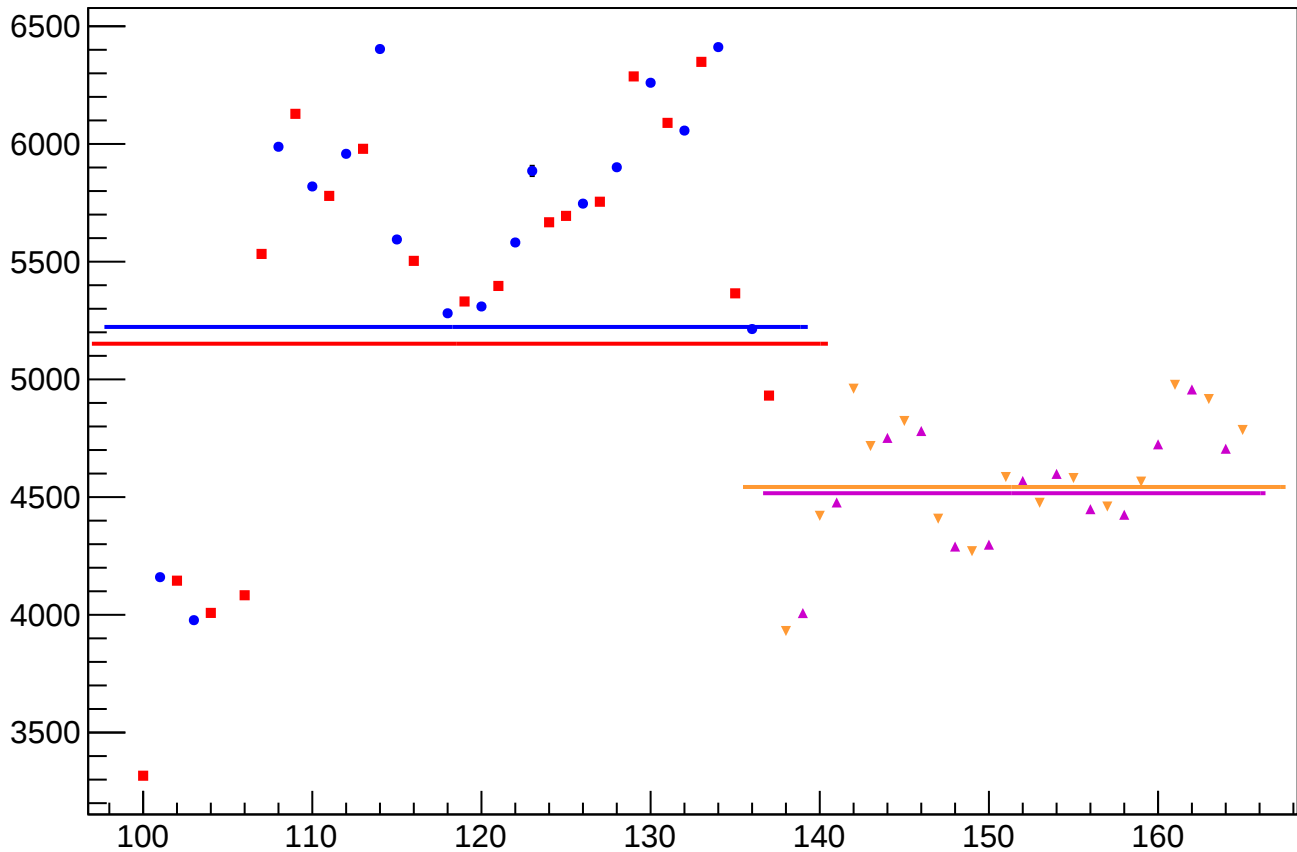
Left In: -6.706 ± 1.410 χ^2/NDF : 34.7/12

+ sign 3.235 ± 1.134 χ^2/NDF : 240.3/31

All: -3.138 ± 0.805 χ^2/NDF : 422.5/63

- 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: 4543.012 $\pm$ 0.966 χ^2 /NDF:82761.1/14

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

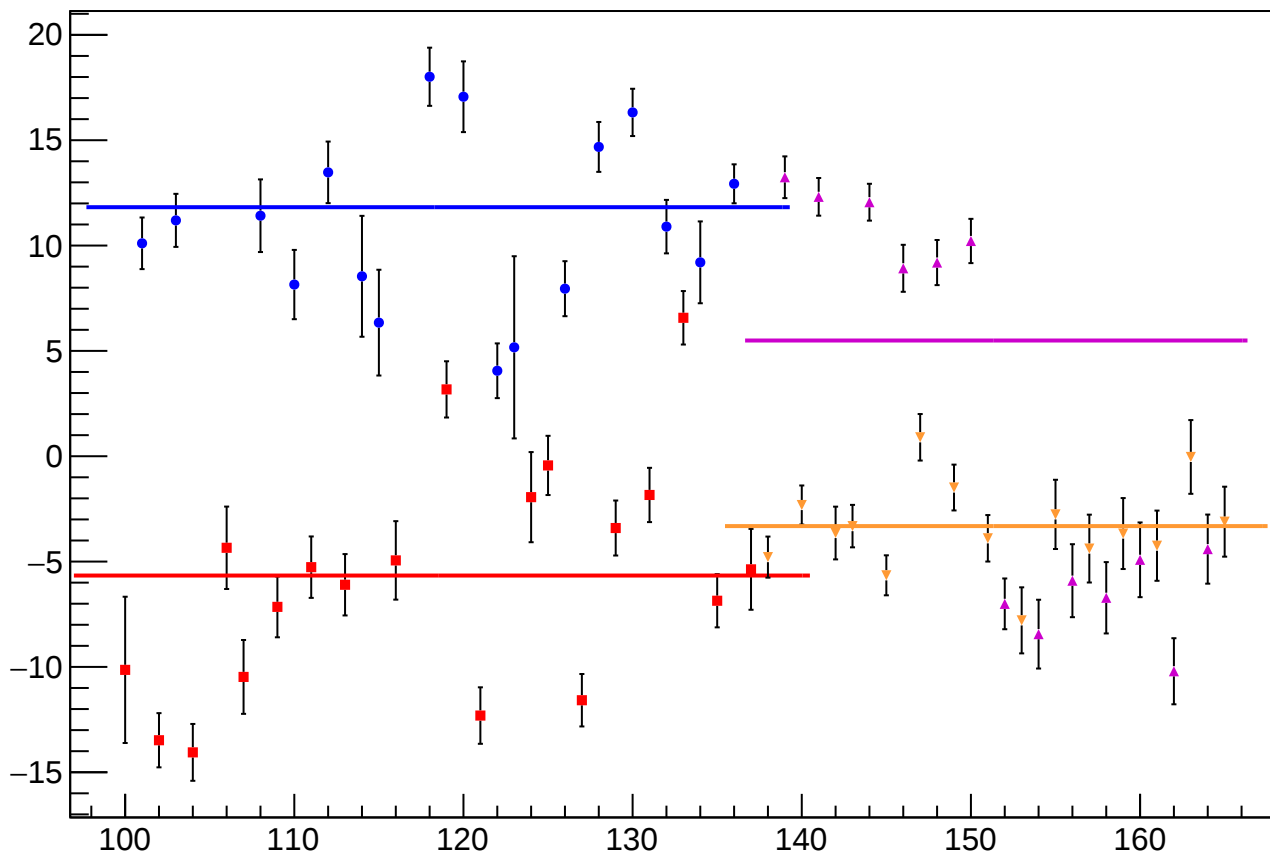
Left In: 4516.513 $\pm$ 0.997 χ^2 /NDF:59001.9/12

+ sign 4753.985 $\pm$ 0.802 χ^2 /NDF: 549021.4/31

All: 4744.042 $\pm$ 0.569 χ^2 /NDF: 1134826.7/63

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

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.316 ± 0.316 $\chi^2/\text{NDF}: 39.8/14$

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

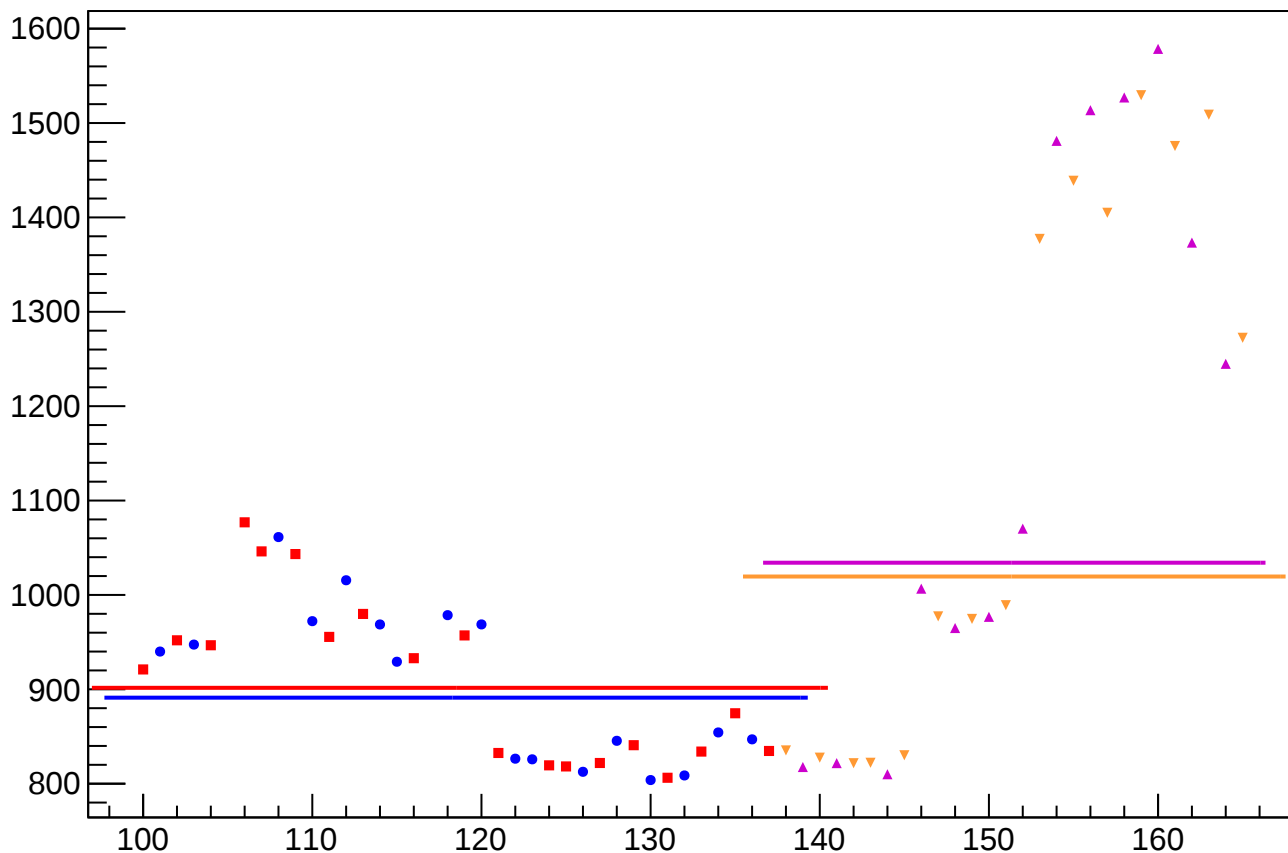
Left In: 5.493 ± 0.333 $\chi^2/\text{NDF}: 664.3/12$

+ sign 3.606 ± 0.233 $\chi^2/\text{NDF}: 1204.6/31$

All: 1.838 ± 0.166 $\chi^2/\text{NDF}: 2838.0/63$

- sign 0.001 ± 0.237 $\chi^2/\text{NDF}: 1515.9/31$

diff_bpm2i01X_rms vs Slug



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

Left Out: 1019.509 ± 0.224 $\chi^2/\text{NDF}: 1256269.5/14$

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

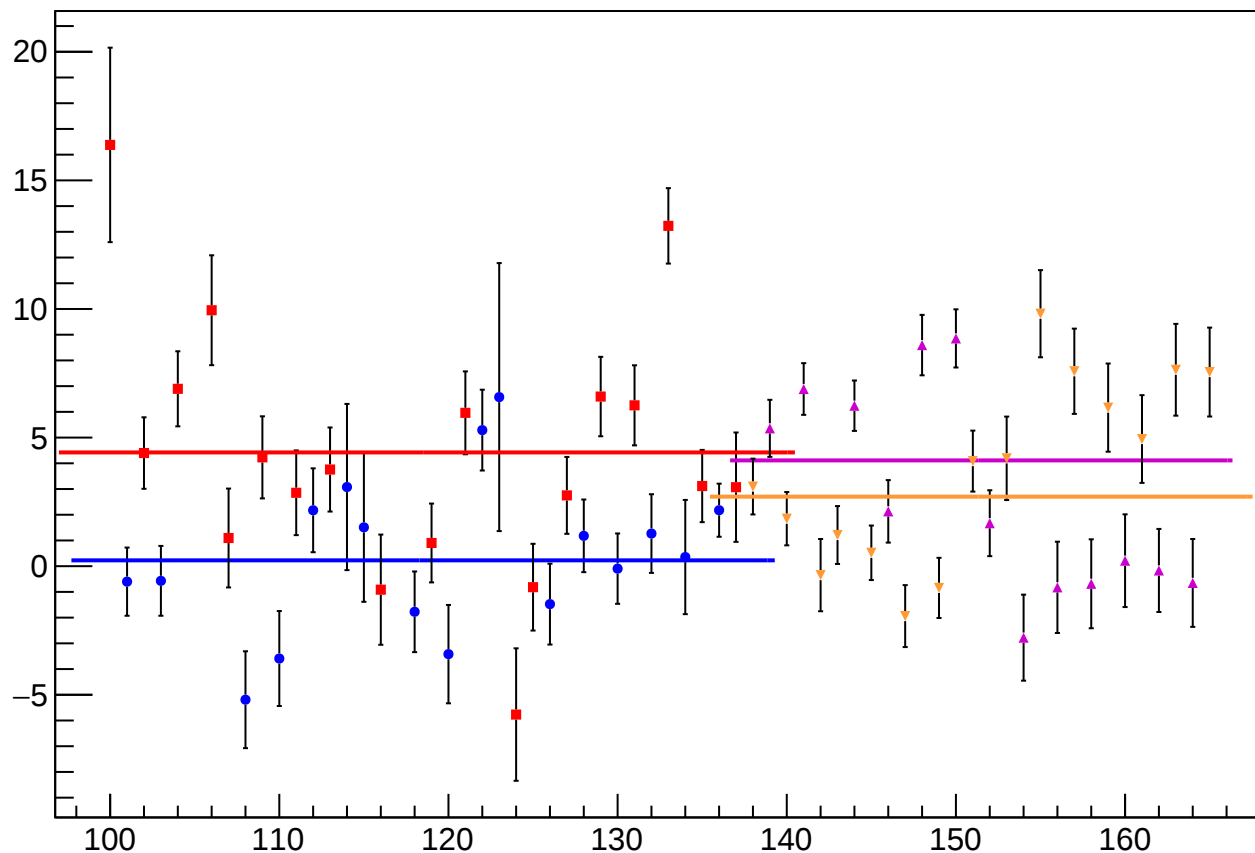
Left In: 1034.137 ± 0.236 $\chi^2/\text{NDF}: 1144665.8/12$

+ sign 960.810 ± 0.165 $\chi^2/\text{NDF}: 1508615.3/31$

All: 964.769 ± 0.118 $\chi^2/\text{NDF}: 2924775.7/63$

- 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: 2.703 ± 0.342 $\chi^2/\text{NDF}: 85.4/14$

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

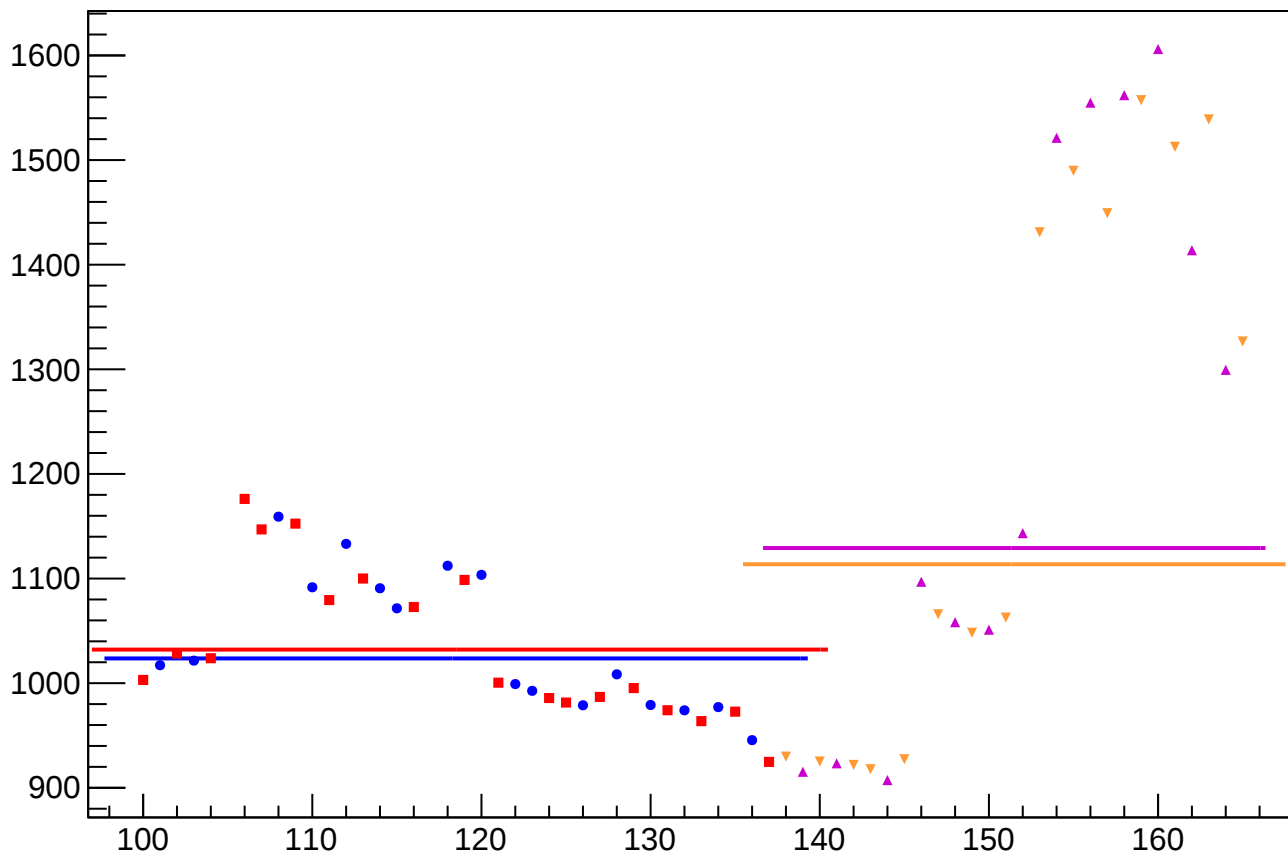
Left In: 4.113 ± 0.361 $\chi^2/\text{NDF}: 104.0/12$

+ sign 1.640 ± 0.259 $\chi^2/\text{NDF}: 146.4/31$

All: 2.923 ± 0.185 $\chi^2/\text{NDF}: 404.2/63$

- 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: 1113.685+/-0.242 χ^2/NDF : 940945.6/14

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

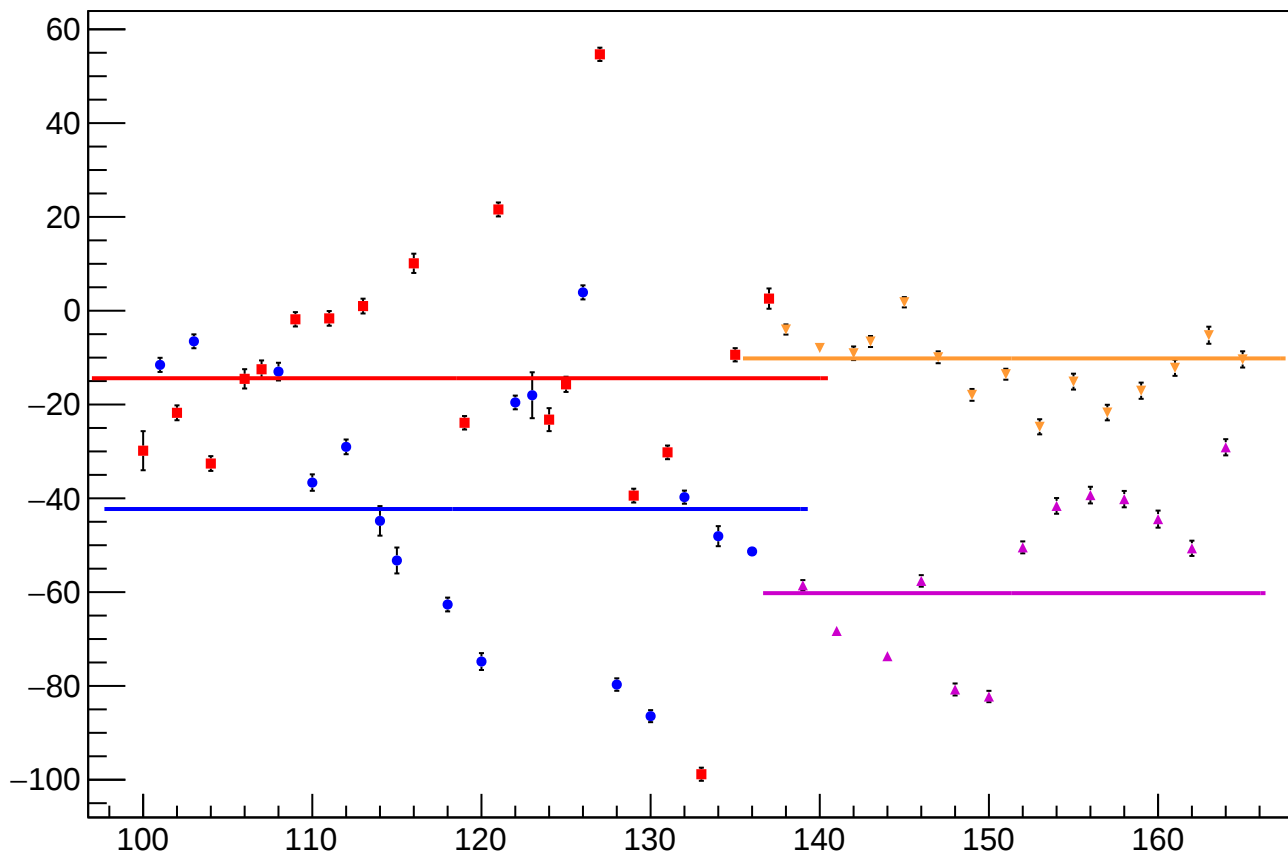
Left In: 1129.181+/-0.255 χ^2/NDF : 851584.2/12

+ sign 1075.046+/-0.183 χ^2/NDF : 1052631.6/31

All: 1079.441+/-0.131 χ^2/NDF : 2032163.9/63

- 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: -10.170 ± 0.350 χ^2/NDF : 375.1/14

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

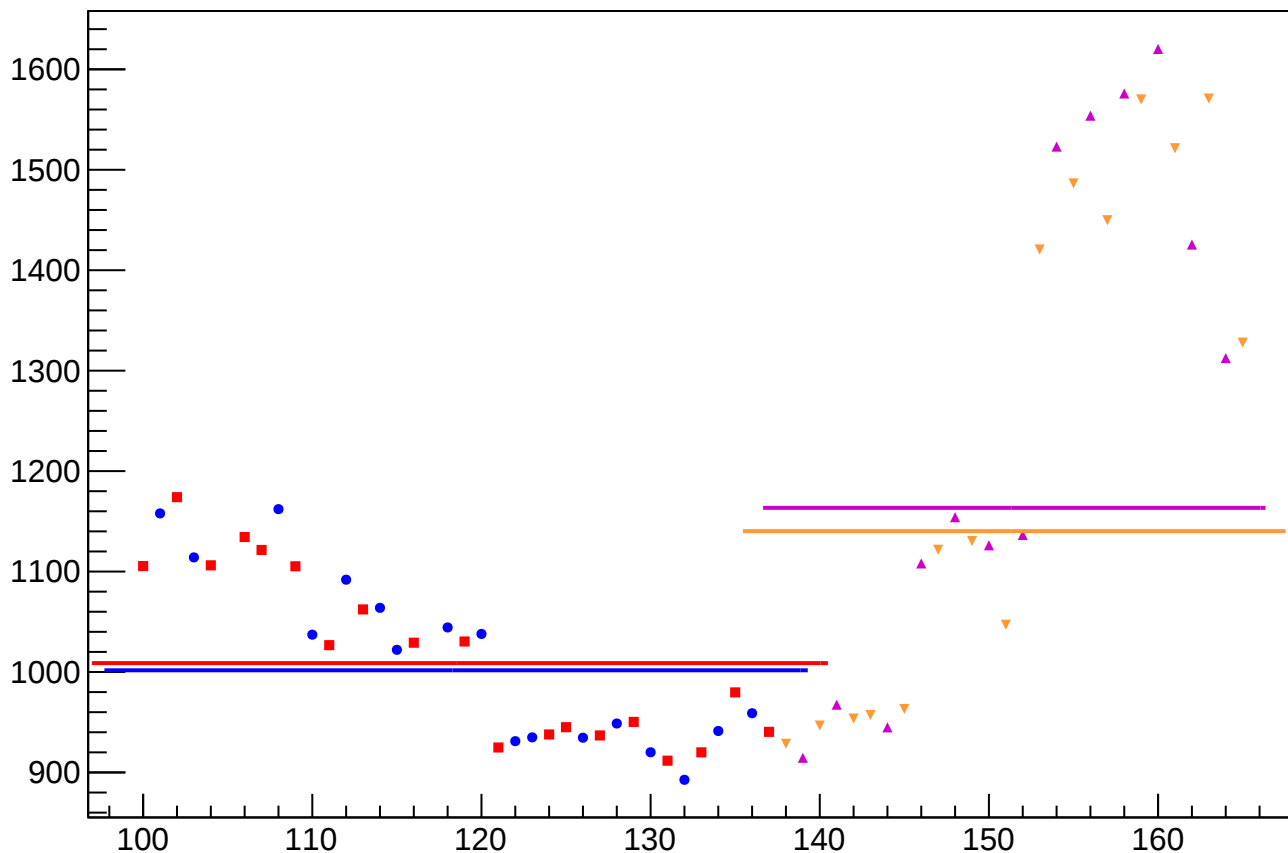
Left In: -60.218 ± 0.371 χ^2/NDF : 1713.1/12

+ sign -24.616 ± 0.260 χ^2/NDF : 9286.1/31

All: -31.056 ± 0.185 χ^2/NDF : 27400.1/63

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

diff_bpm2i02X_rms vs Slug



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

Left Out: 1140.233 $\pm$ 0.248 χ^2 /NDF: 860969.7/14

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

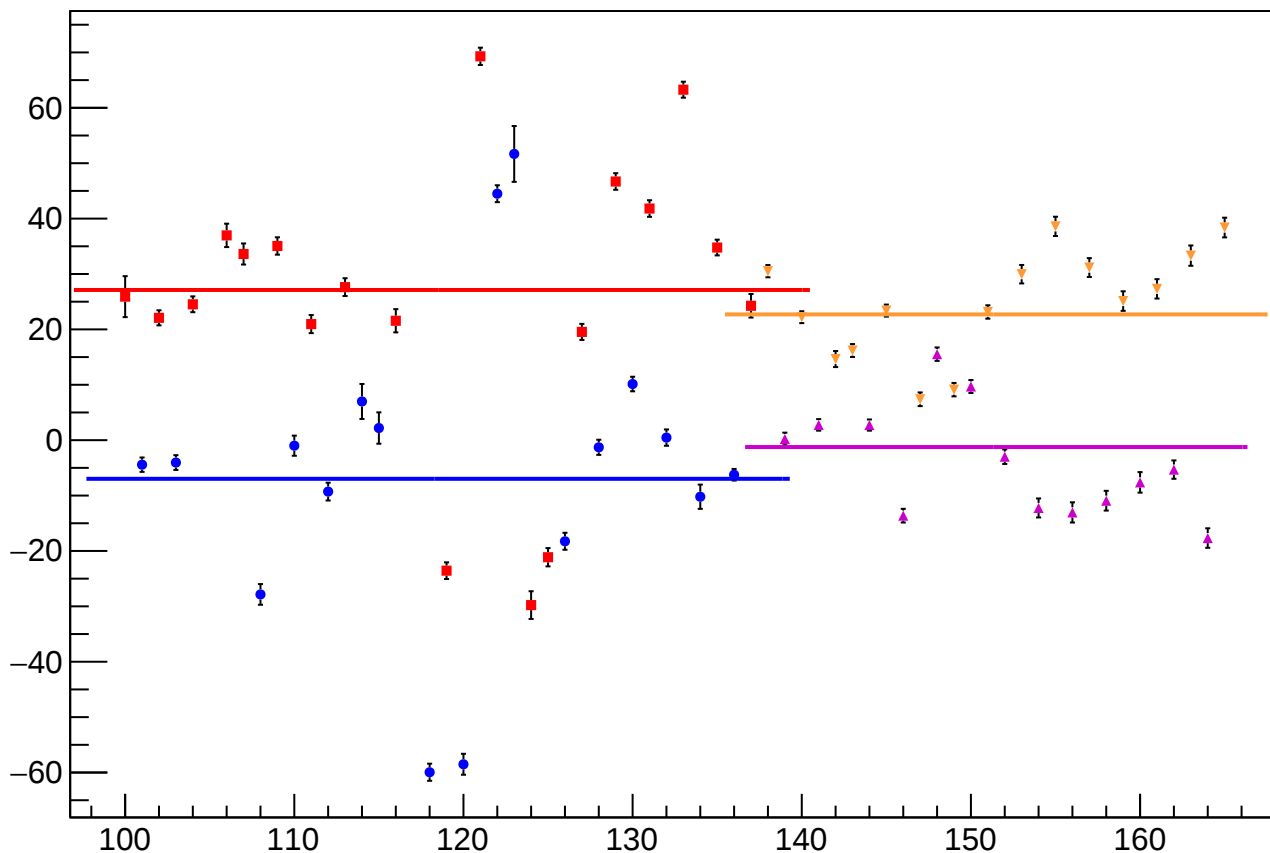
Left In: 1163.426 $\pm$ 0.262 χ^2 /NDF: 762117.1/12

+ sign 1077.907 $\pm$ 0.184 χ^2 /NDF: 1097320.7/31

All: 1082.691 $\pm$ 0.131 χ^2 /NDF: 2126304.8/63

- sign 1087.670 $\pm$ 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: 22.705 ± 0.352 χ^2/NDF : 638.5/14

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

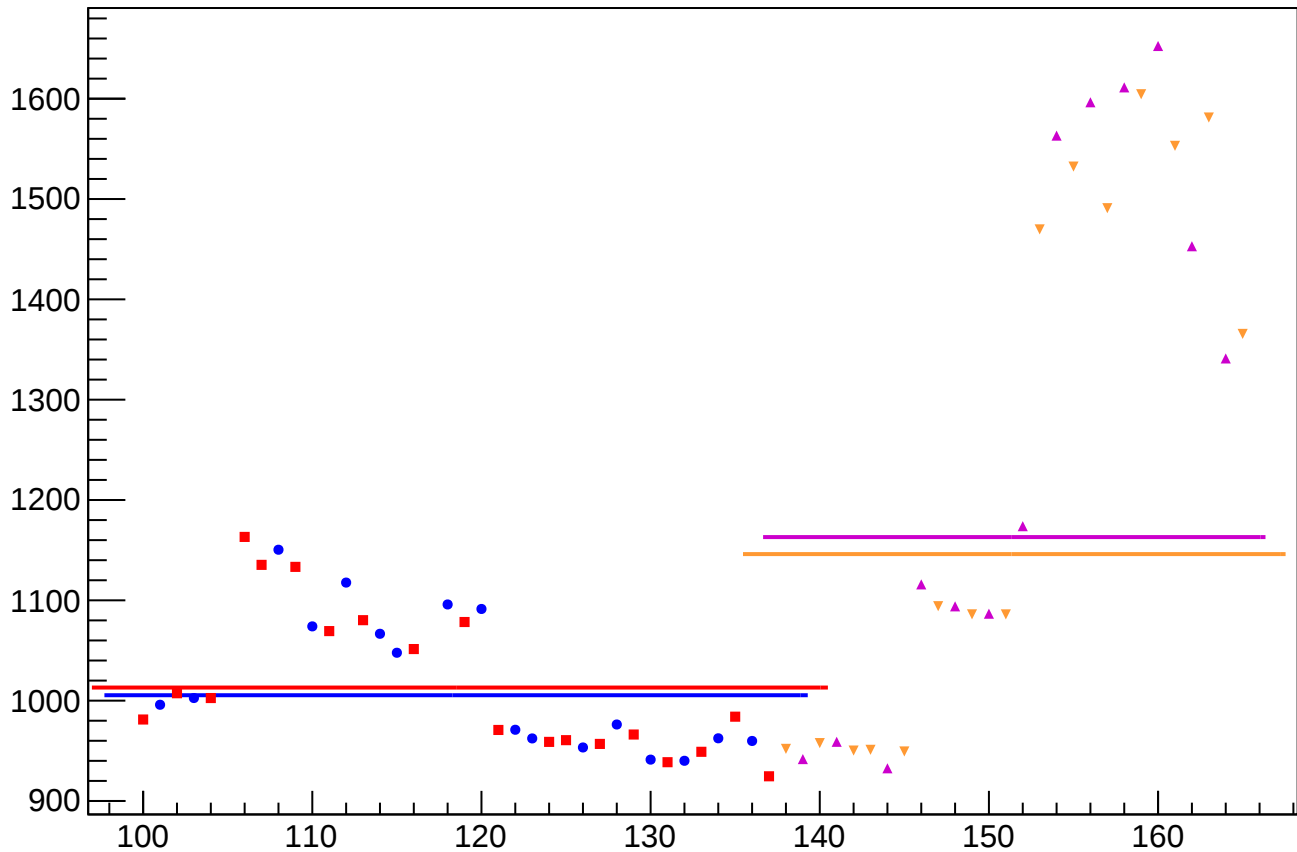
Left In: -1.238 ± 0.371 χ^2/NDF : 629.5/12

+ sign 9.288 ± 0.261 χ^2/NDF : 7482.2/31

All: 10.931 ± 0.186 χ^2/NDF : 15326.0/63

- 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: 1146.083+/-0.249 χ^2/NDF : 936093.0/14

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

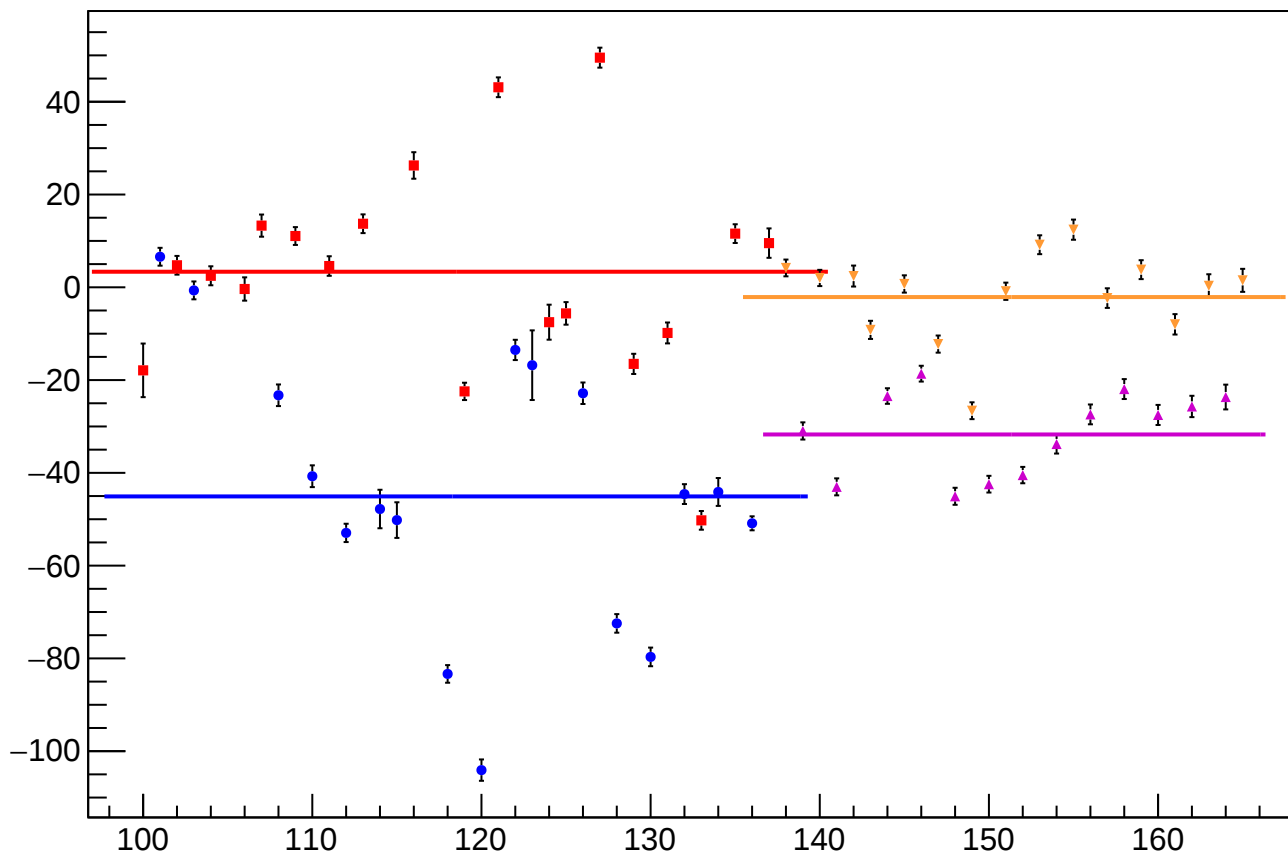
Left In: 1163.041+/-0.263 χ^2/NDF : 843411.3/12

+ sign 1082.492+/-0.184 χ^2/NDF : 1134770.0/31

All: 1086.019+/-0.132 χ^2/NDF : 2201672.9/63

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

diff_bpm0i02X_mean vs Slug



Right In: -45.081 $\pm$ 0.540 χ^2 /NDF: 3238.1/16

Left Out: -2.104 $\pm$ 0.519 χ^2 /NDF: 344.0/14

Right Out: 3.358 $\pm$ 0.522 χ^2 /NDF: 2005.7/18

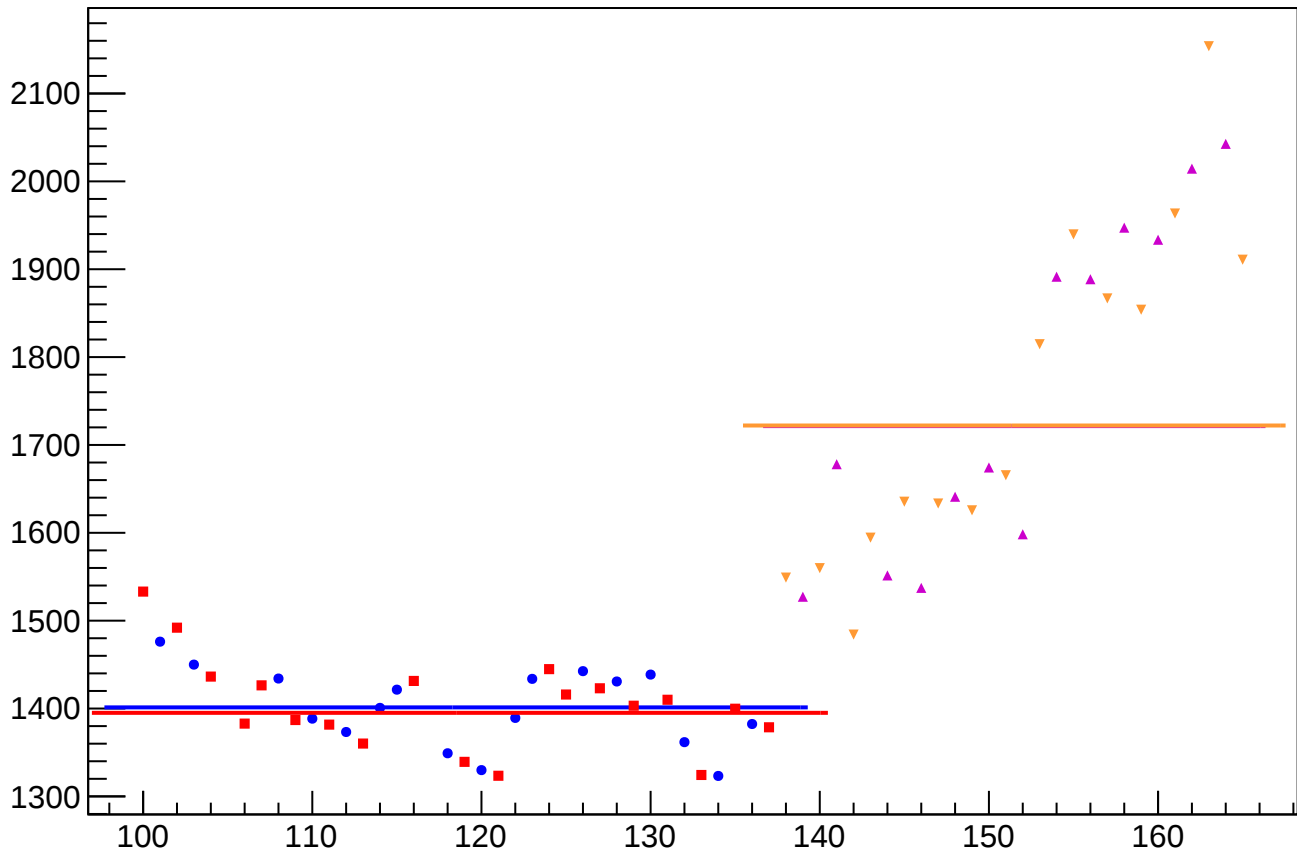
Left In: -31.725 $\pm$ 0.540 χ^2 /NDF: 280.3/12

+ sign -22.755 $\pm$ 0.374 χ^2 /NDF: 6876.3/31

All: -18.184 $\pm$ 0.265 χ^2 /NDF: 11645.0/63

- sign -13.588 $\pm$ 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: 1722.134 ± 0.367 χ^2/NDF : 220273.7/14

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

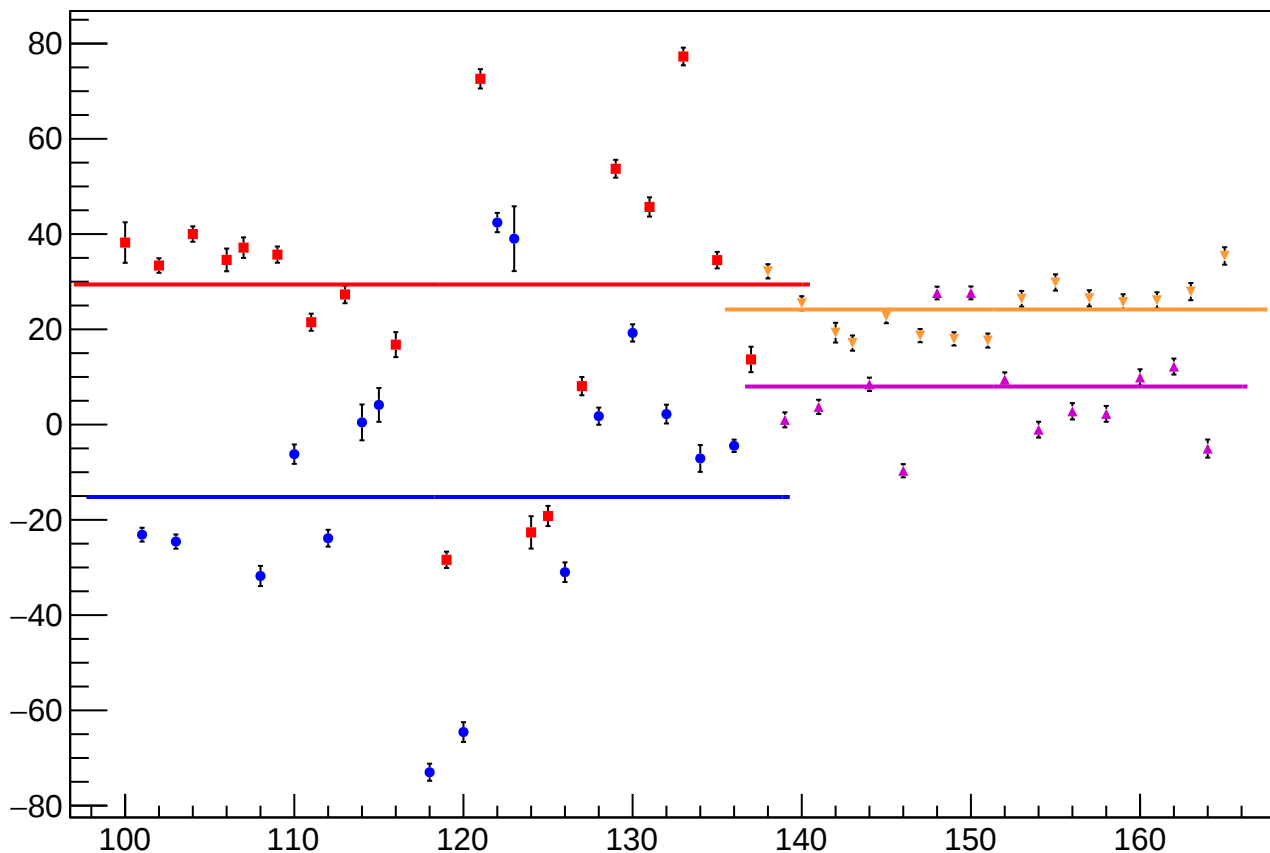
Left In: 1721.457 ± 0.382 χ^2/NDF : 210601.7/12

+ sign 1567.976 ± 0.265 χ^2/NDF : 600288.5/31

All: 1560.378 ± 0.187 χ^2/NDF : 1205918.8/63

- 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: 24.164 ± 0.414 χ^2/NDF : 168.8/14

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

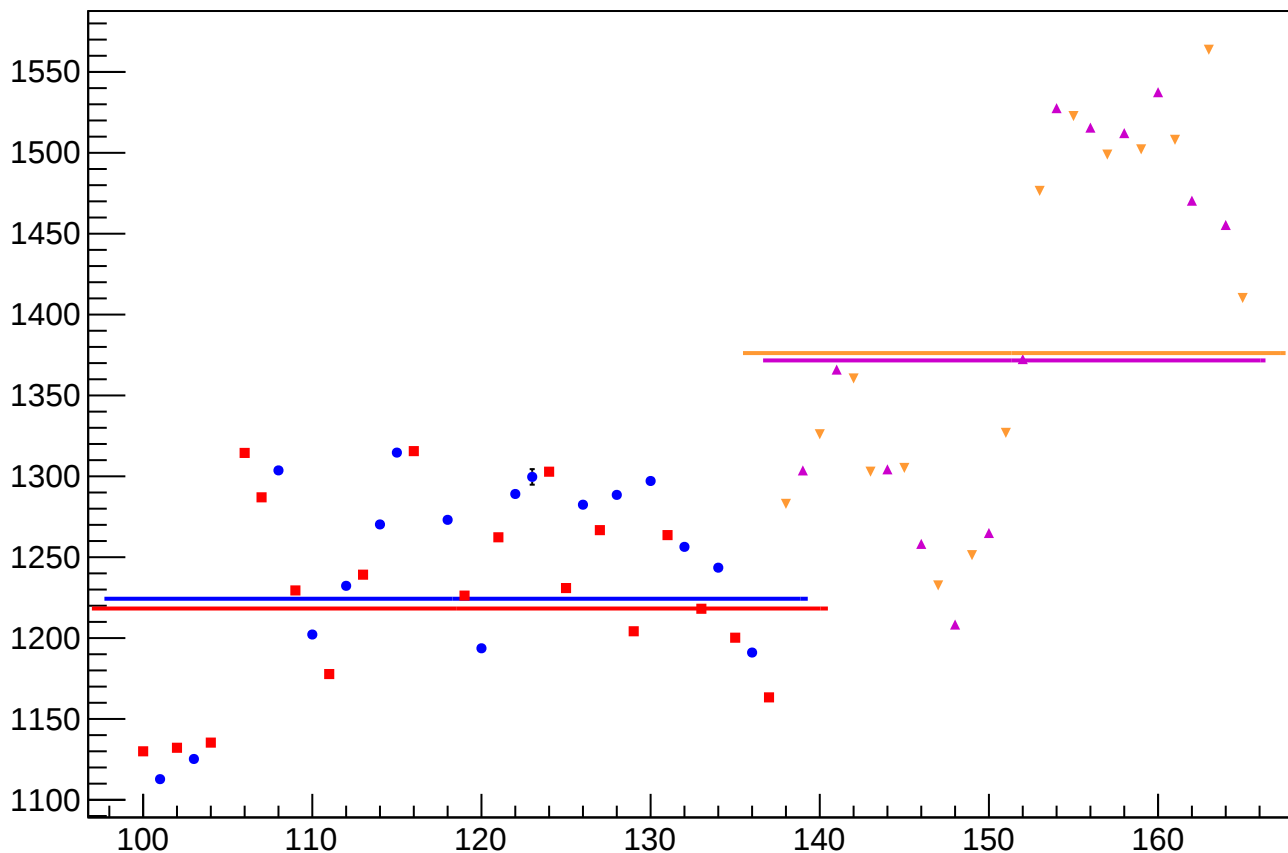
Left In: 7.993 ± 0.429 χ^2/NDF : 718.4/12

+ sign 7.054 ± 0.311 χ^2/NDF : 7461.8/31

All: 12.529 ± 0.221 χ^2/NDF : 13516.8/63

- 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: 1376.194+/-0.293 χ^2/NDF :136940.2/14

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

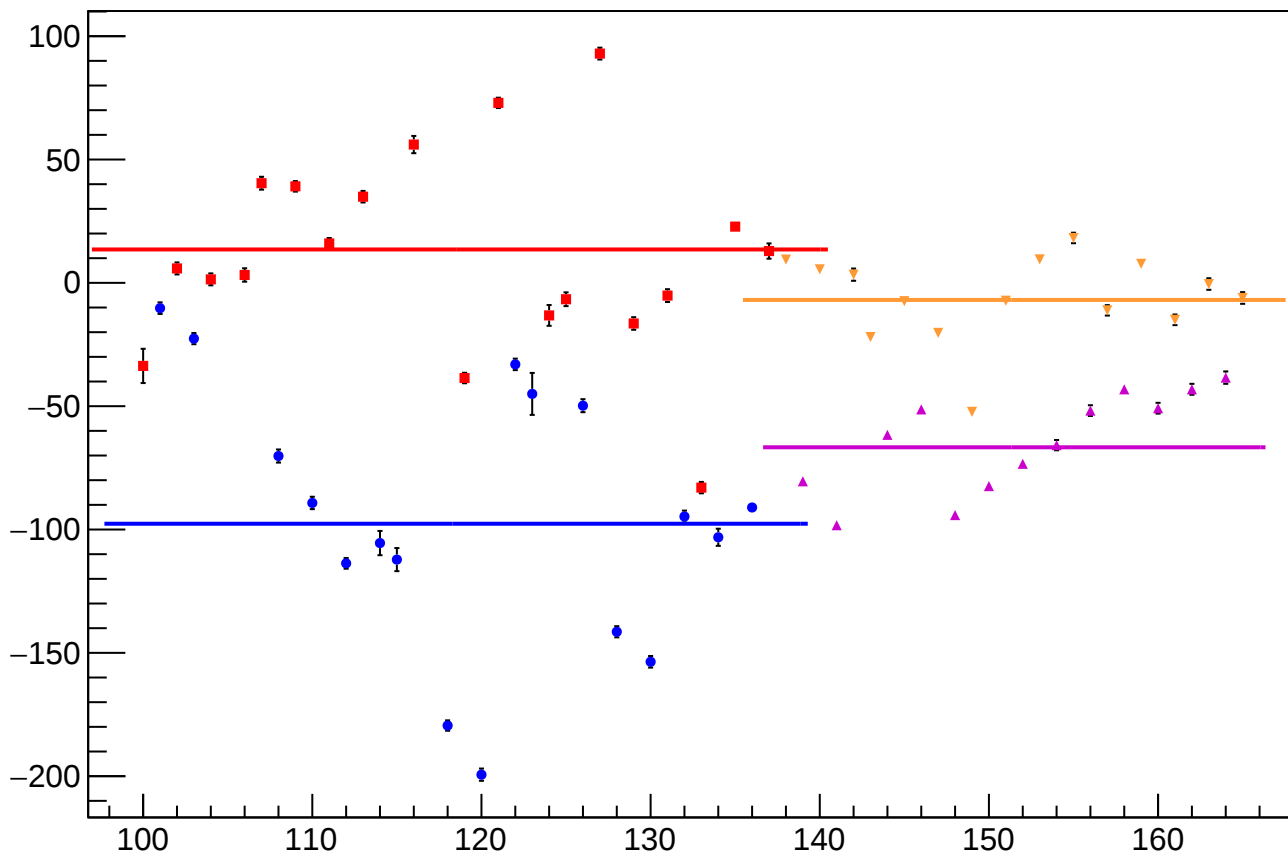
Left In: 1371.652+/-0.303 χ^2/NDF :138771.5/12

+ sign 1310.183+/-0.220 χ^2/NDF : 292729.3/31

All: 1304.945+/-0.156 χ^2/NDF : 580176.7/63

- 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: -6.927 ± 0.519 χ^2/NDF : 1151.0/14

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

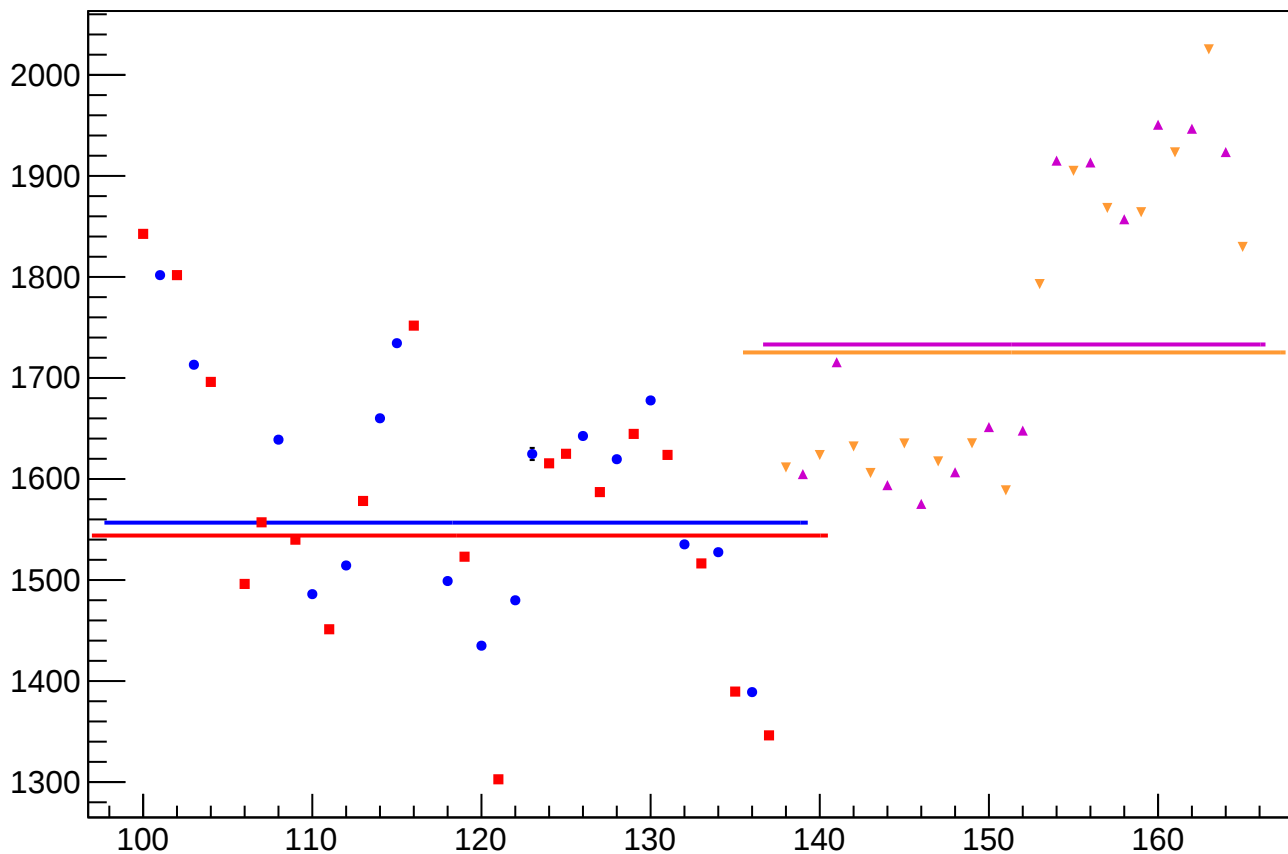
Left In: -66.656 ± 0.542 χ^2/NDF : 1219.6/12

+ sign -45.677 ± 0.393 χ^2/NDF : 22130.6/31

All: -37.503 ± 0.279 χ^2/NDF : 39562.1/63

- 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: 1725.271 $\pm$ 0.367 χ^2 /NDF: 140265.1/14

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

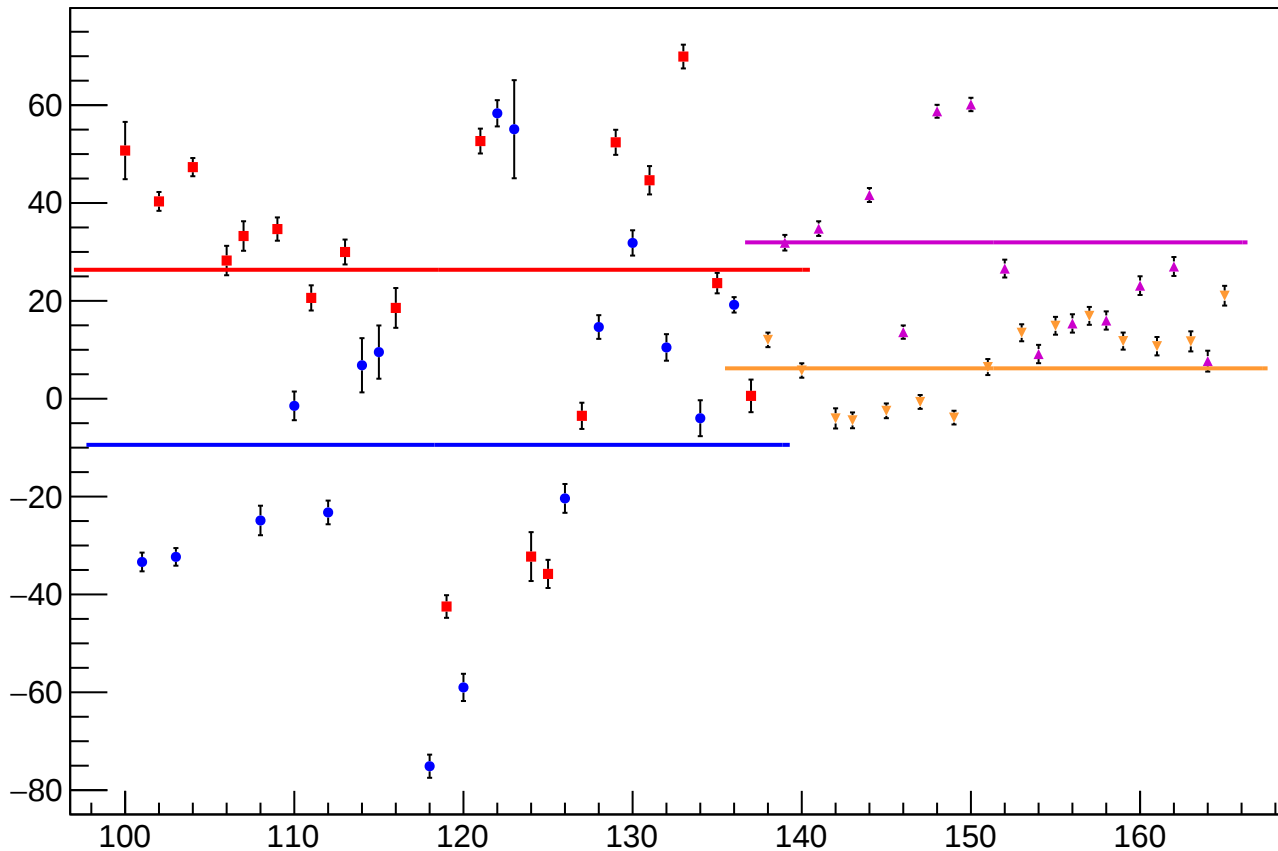
Left In: 1733.157 $\pm$ 0.383 χ^2 /NDF: 143185.7/12

+ sign 1653.319 $\pm$ 0.278 χ^2 /NDF: 311756.5/31

All: 1649.111 $\pm$ 0.197 χ^2 /NDF: 669496.1/63

- 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: 6.209 ± 0.431 χ^2/NDF : 343.5/14

Right Out: 26.354 ± 0.603 χ^2/NDF : 2472.1/18

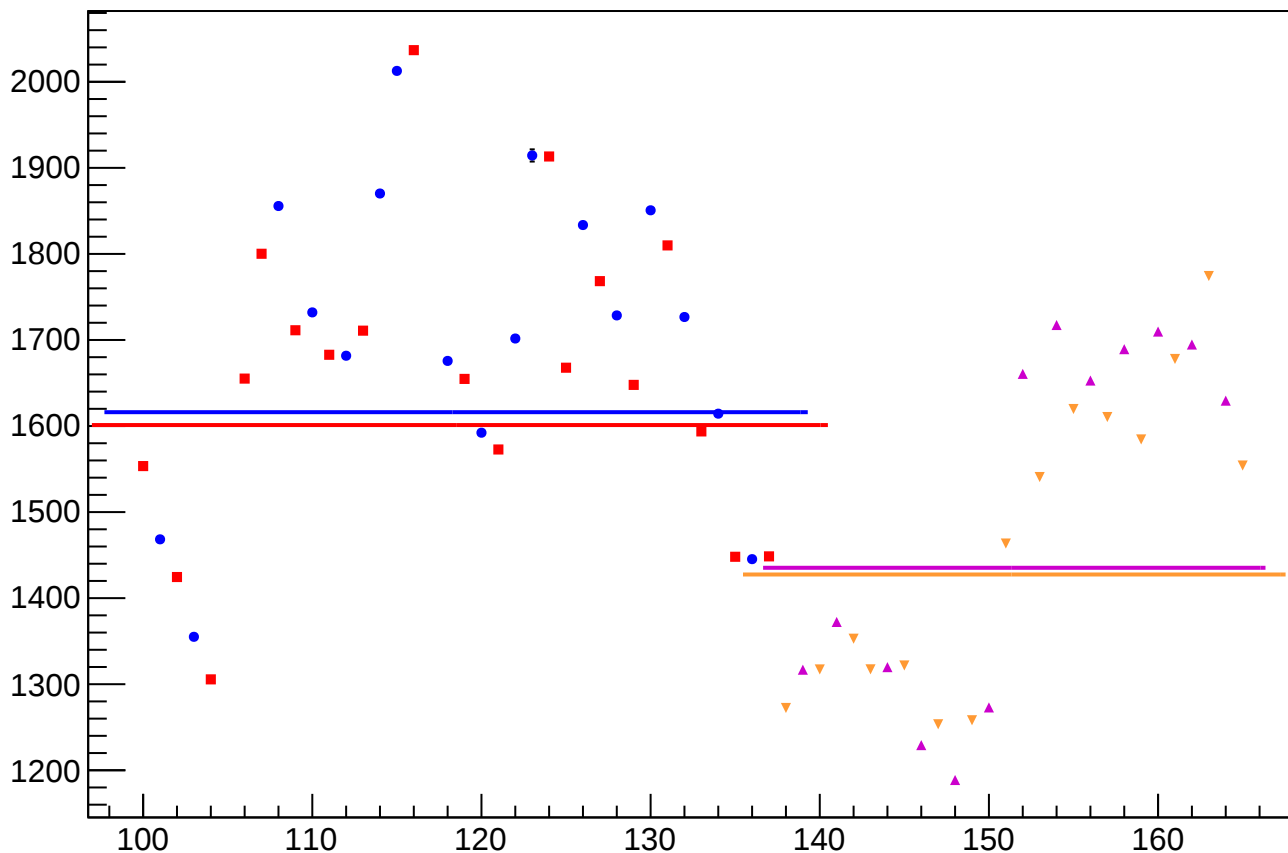
Left In: 31.955 ± 0.452 χ^2/NDF : 1531.0/12

+ sign 1.180 ± 0.355 χ^2/NDF : 3690.2/31

All: 15.299 ± 0.253 χ^2/NDF : 10965.6/63

- sign 29.938 ± 0.362 χ^2/NDF : 4058.3/31

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1427.482+/-0.305 χ^2/NDF : 282487.4/14

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

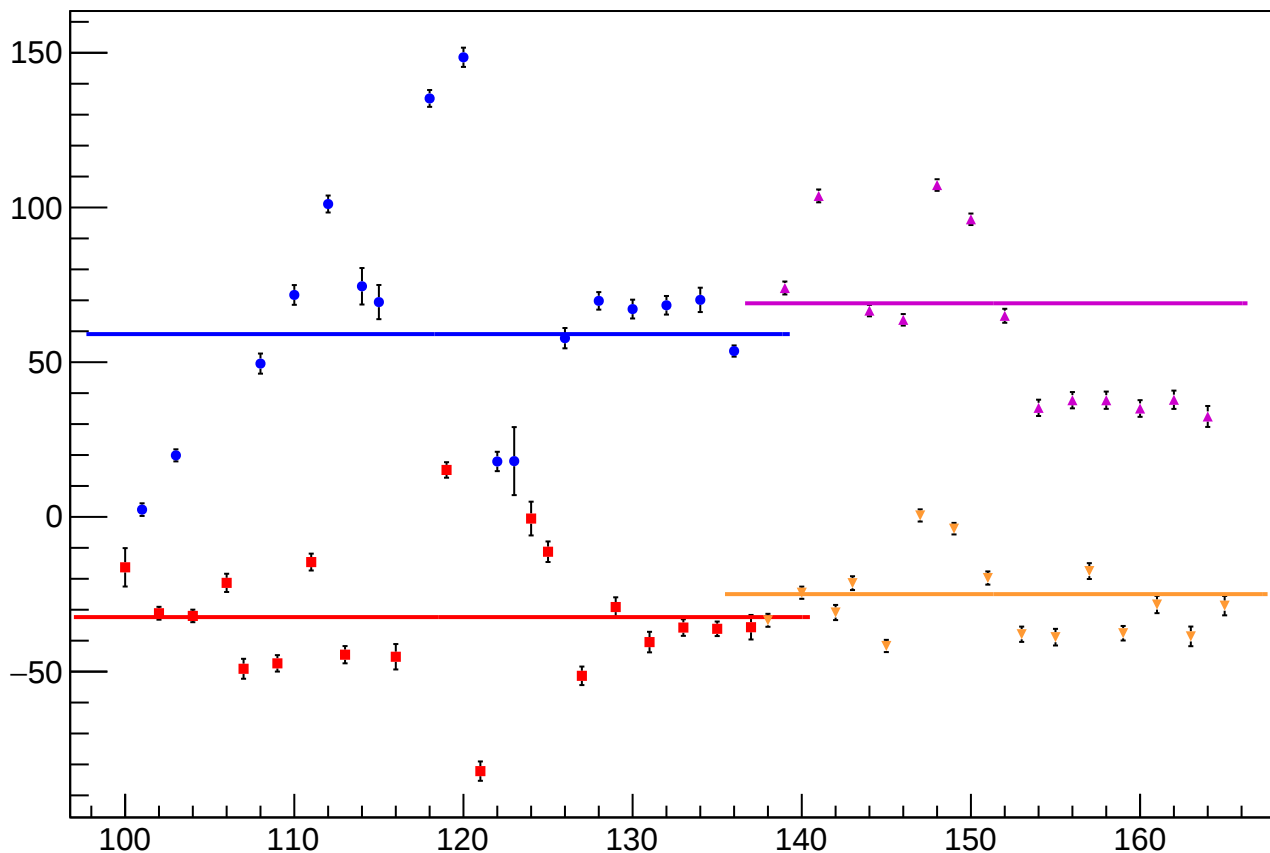
Left In: 1435.284+/-0.320 χ^2/NDF : 404651.6/12

+ sign 1488.138+/-0.251 χ^2/NDF : 555076.7/31

All: 1491.512+/-0.179 χ^2/NDF : 1210625.4/63

- sign 1495.010+/-0.256 χ^2/NDF : 655181.2/31

diff_bpm0i05X_mean vs Slug



Right In: 59.081 $\pm$ 0.699 χ^2 /NDF: 3293.6/16

Left Out: -24.958 $\pm$ 0.594 χ^2 /NDF: 510.4/14

Right Out: -32.382 $\pm$ 0.666 χ^2 /NDF: 891.5/18

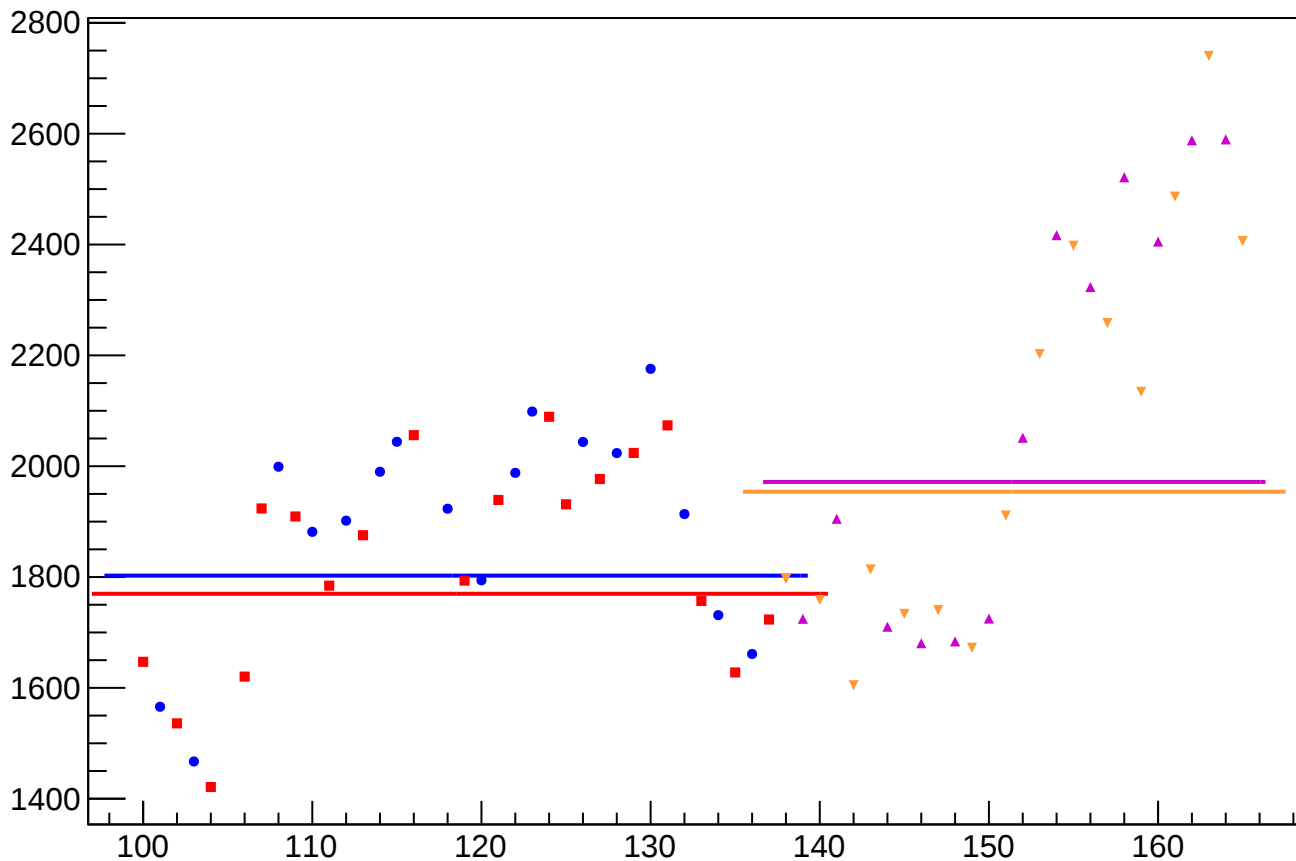
Left In: 69.037 $\pm$ 0.624 χ^2 /NDF: 1743.8/12

+ sign 10.238 $\pm$ 0.453 χ^2 /NDF: 12194.0/31

All: 15.900 $\pm$ 0.321 χ^2 /NDF: 27477.5/63

- sign 21.636 $\pm$ 0.456 χ^2 /NDF: 14968.6/31

diff_bpm0i05X_rms vs Slug



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

Left Out: 1953.973 ± 0.420 $\chi^2/\text{NDF}: 526437.5/14$

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

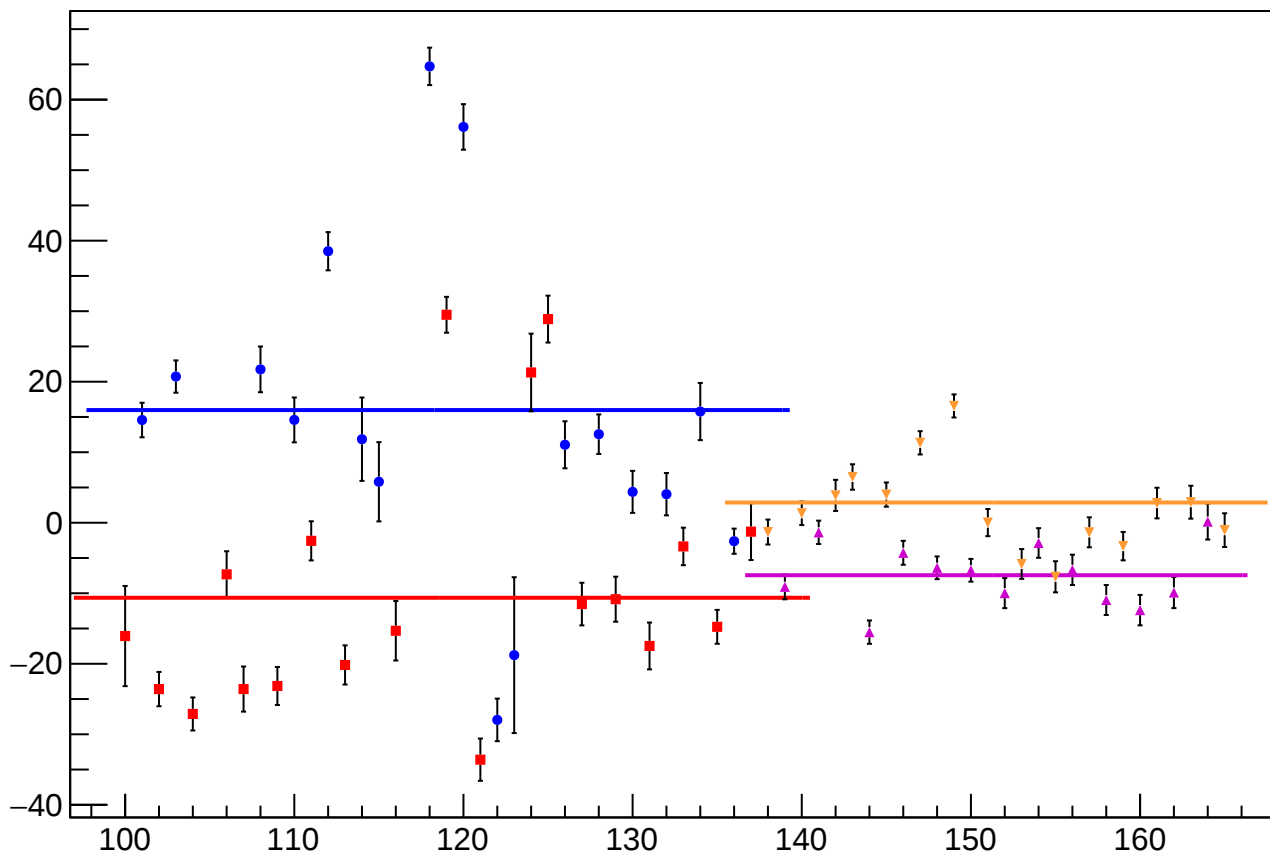
Left In: 1971.589 ± 0.441 $\chi^2/\text{NDF}: 579239.7/12$

+ sign 1890.545 ± 0.320 $\chi^2/\text{NDF}: 765001.6/31$

All: 1883.949 ± 0.227 $\chi^2/\text{NDF}: 1620665.3/63$

- sign 1877.265 ± 0.322 $\chi^2/\text{NDF}: 854808.6/31$

diff_bpm0i05Y_mean vs Slug



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

Left Out: 2.870 ± 0.500 χ^2/NDF : 165.5/14

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

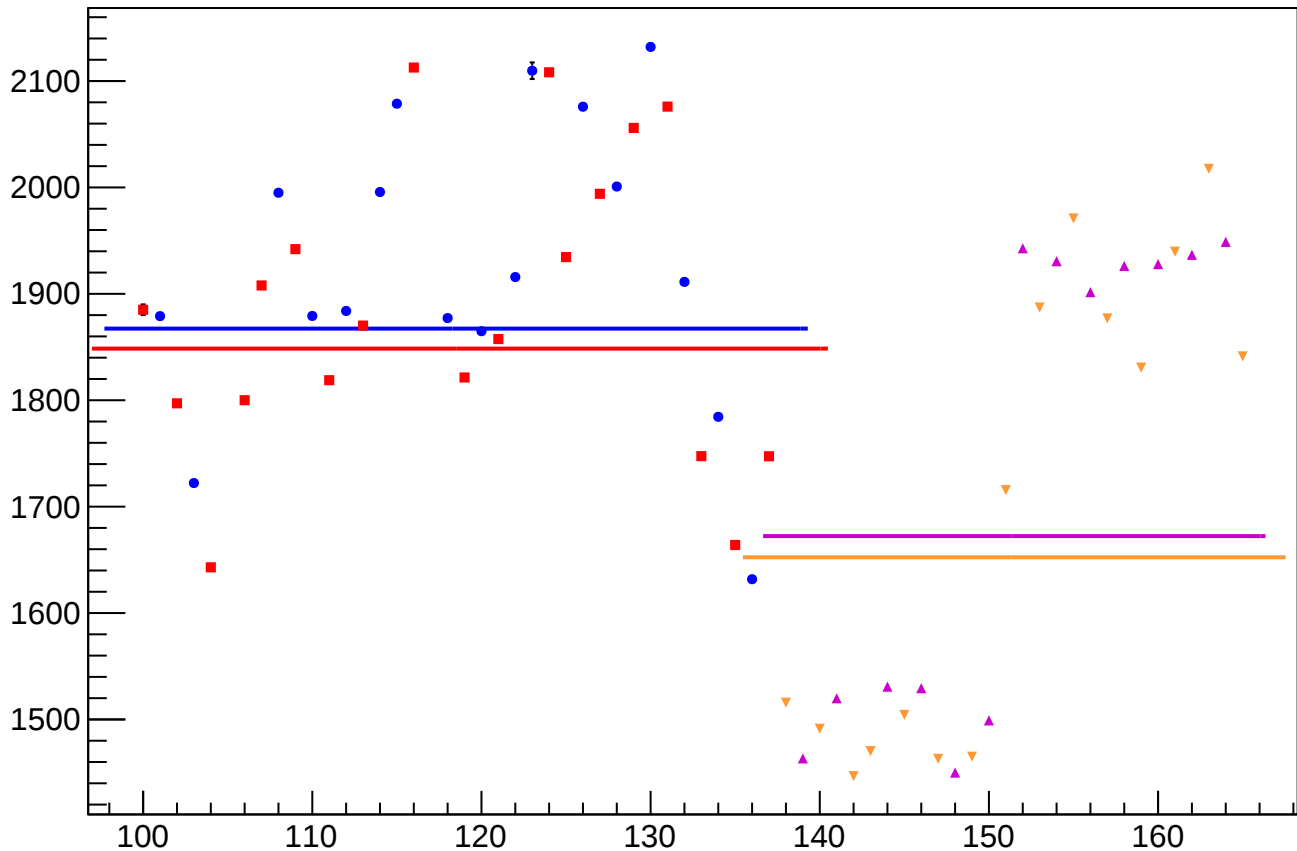
Left In: -7.441 ± 0.525 χ^2/NDF : 66.7/12

+ sign 7.116 ± 0.411 χ^2/NDF : 1326.9/31

All: -0.594 ± 0.293 χ^2/NDF : 2767.7/63

- sign -8.607 ± 0.419 χ^2/NDF : 722.3/31

diff_bpm0i05Y_rms vs Slug



Right In: 1867.343 $\pm$ 0.510 χ^2 /NDF: 80926.4/16

Left Out: 1652.411 $\pm$ 0.353 χ^2 /NDF:338588.4/14

Right Out: 1848.532 $\pm$ 0.490 χ^2 /NDF: 72527.3/18

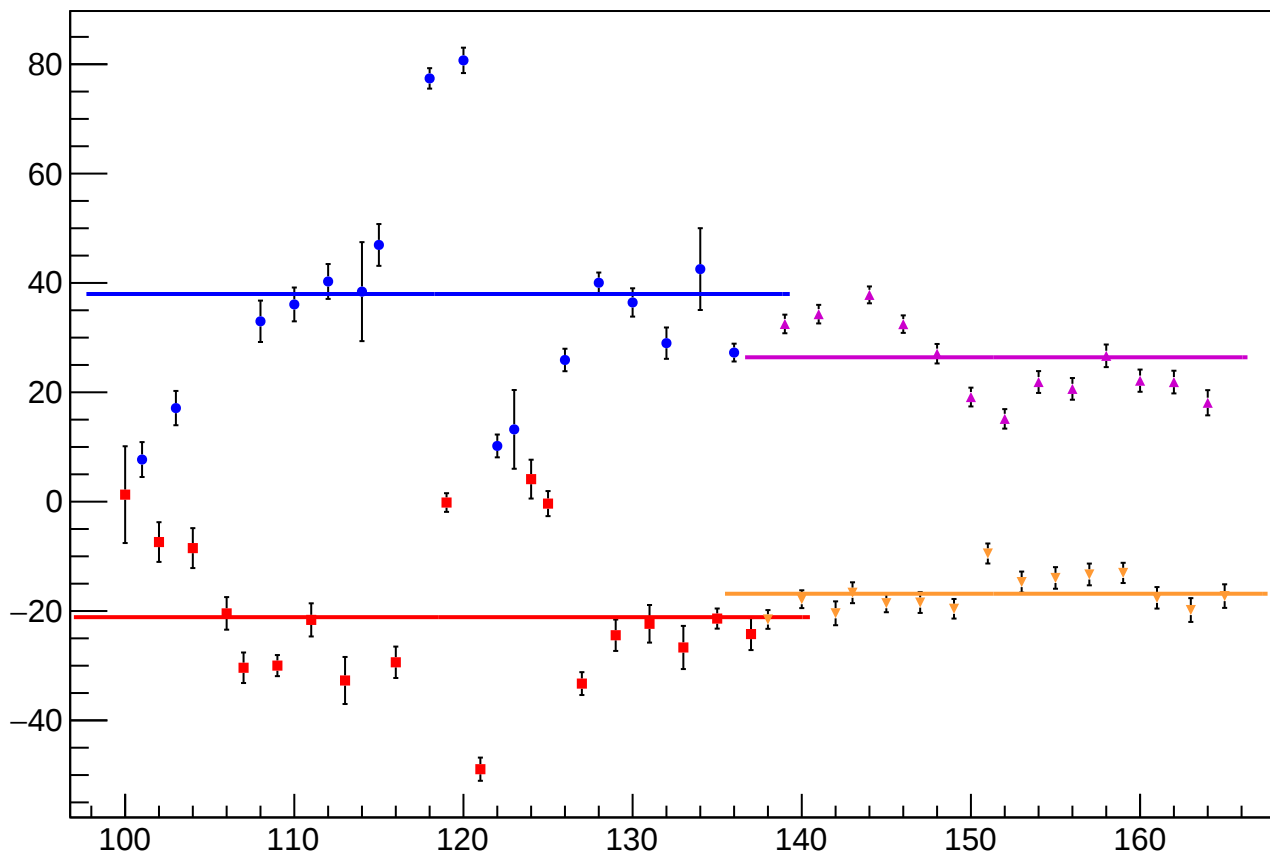
Left In: 1672.317 $\pm$ 0.372 χ^2 /NDF:328611.8/12

+ sign 1722.037 $\pm$ 0.290 χ^2 /NDF: 539462.2/31

All: 1729.175 $\pm$ 0.207 χ^2 /NDF: 1023895.9/63

- sign 1736.595 $\pm$ 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: -16.840 ± 0.487 $\chi^2/\text{NDF}: 43.8/14$

Right Out: -21.124 ± 0.608 $\chi^2/\text{NDF}: 573.6/18$

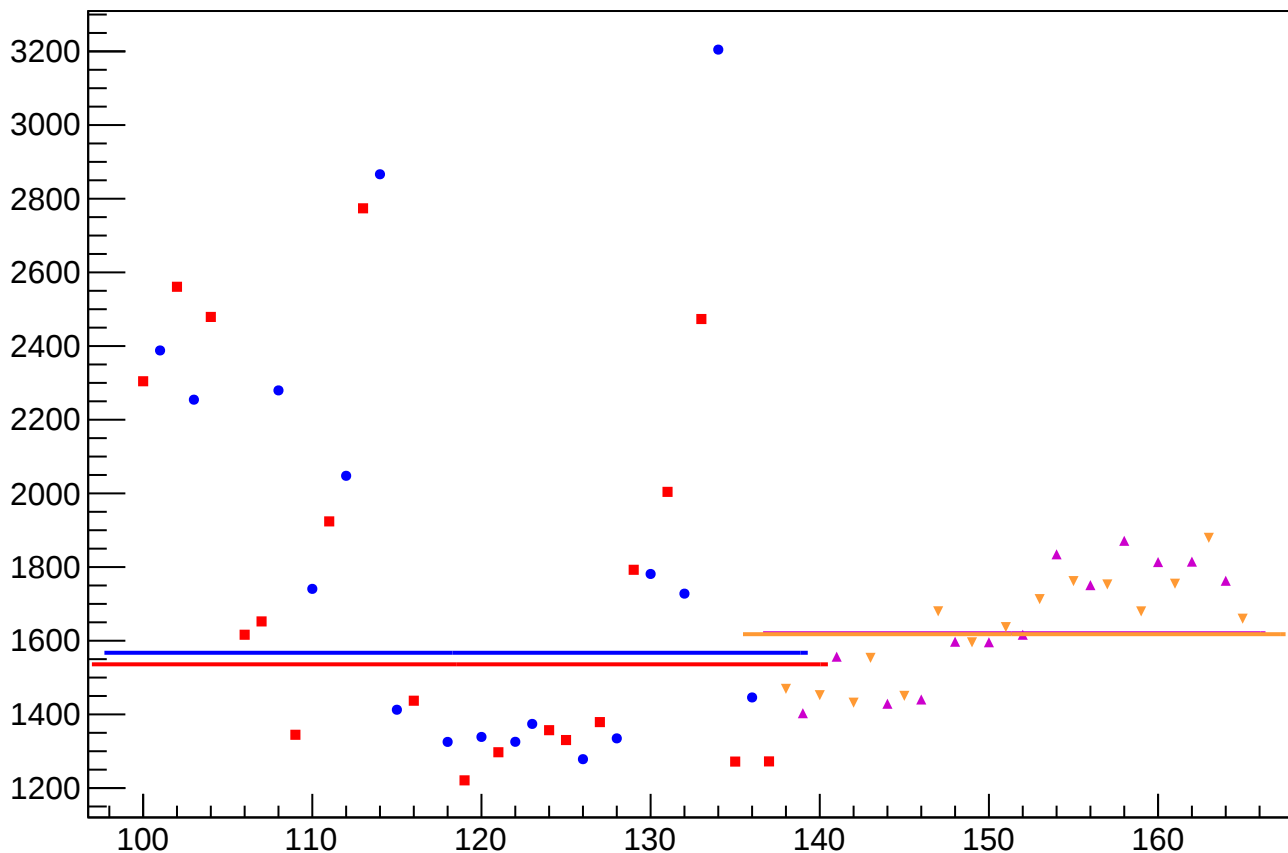
Left In: 26.404 ± 0.508 $\chi^2/\text{NDF}: 197.2/12$

+ sign 3.384 ± 0.387 $\chi^2/\text{NDF}: 5916.5/31$

All: 5.112 ± 0.275 $\chi^2/\text{NDF}: 10322.3/63$

- 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: 1617.756+/-0.345 χ^2/NDF : 141941.5/14

Right Out: 1535.967+/-0.430 χ^2/NDF : 882098.2/18

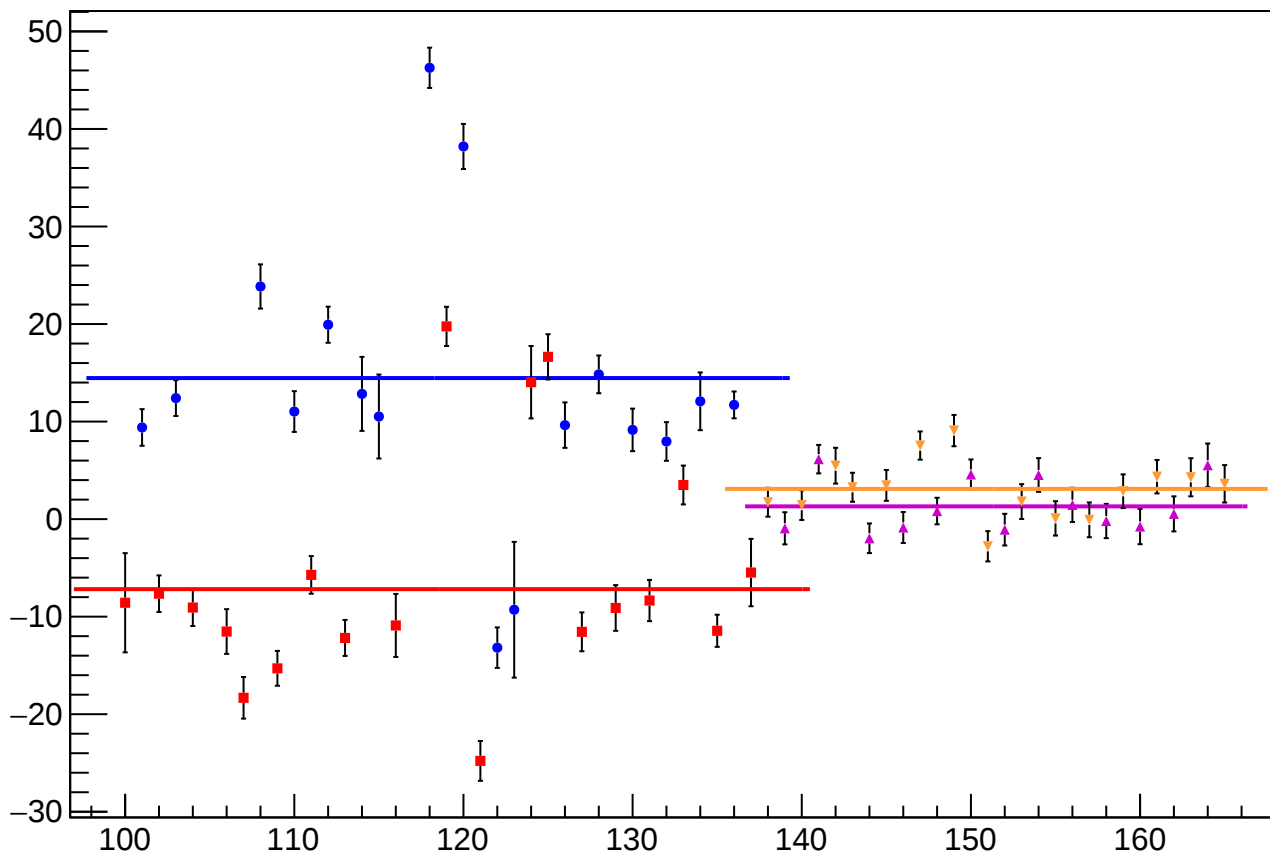
Left In: 1620.404+/-0.359 χ^2/NDF : 196542.3/12

+ sign 1599.152+/-0.274 χ^2/NDF : 823293.1/31

All: 1592.474+/-0.194 χ^2/NDF : 1925824.8/63

- 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: 3.100 ± 0.427 χ^2/NDF : 49.1/14

Right Out: -7.181 ± 0.494 χ^2/NDF : 495.7/18

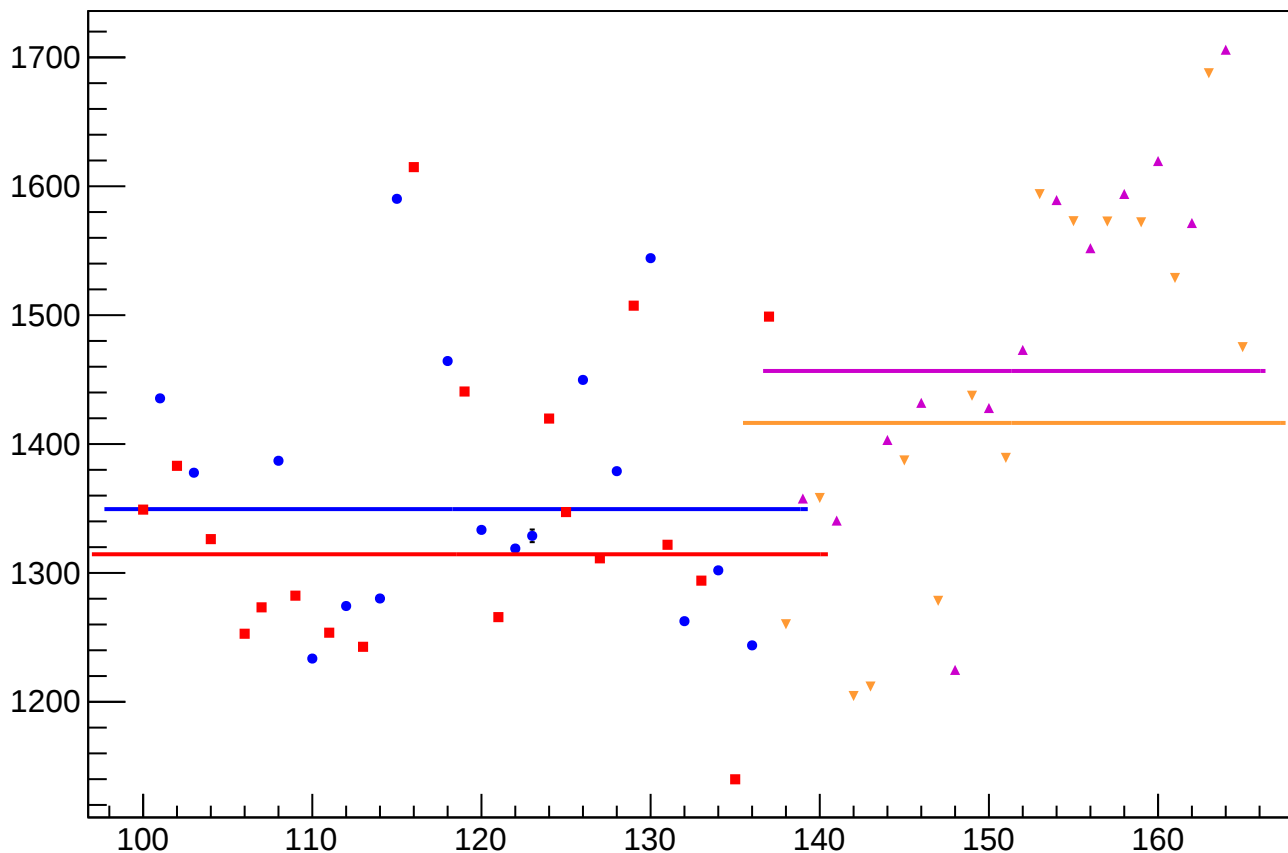
Left In: 1.307 ± 0.456 χ^2/NDF : 35.4/12

+ sign 7.647 ± 0.331 χ^2/NDF : 927.8/31

All: 2.591 ± 0.236 χ^2/NDF : 2090.9/63

- 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: 1416.394 $\pm$ 0.302 χ^2 /NDF:225586.7/14

Right Out: 1314.485 $\pm$ 0.350 χ^2 /NDF: 80952.7/18

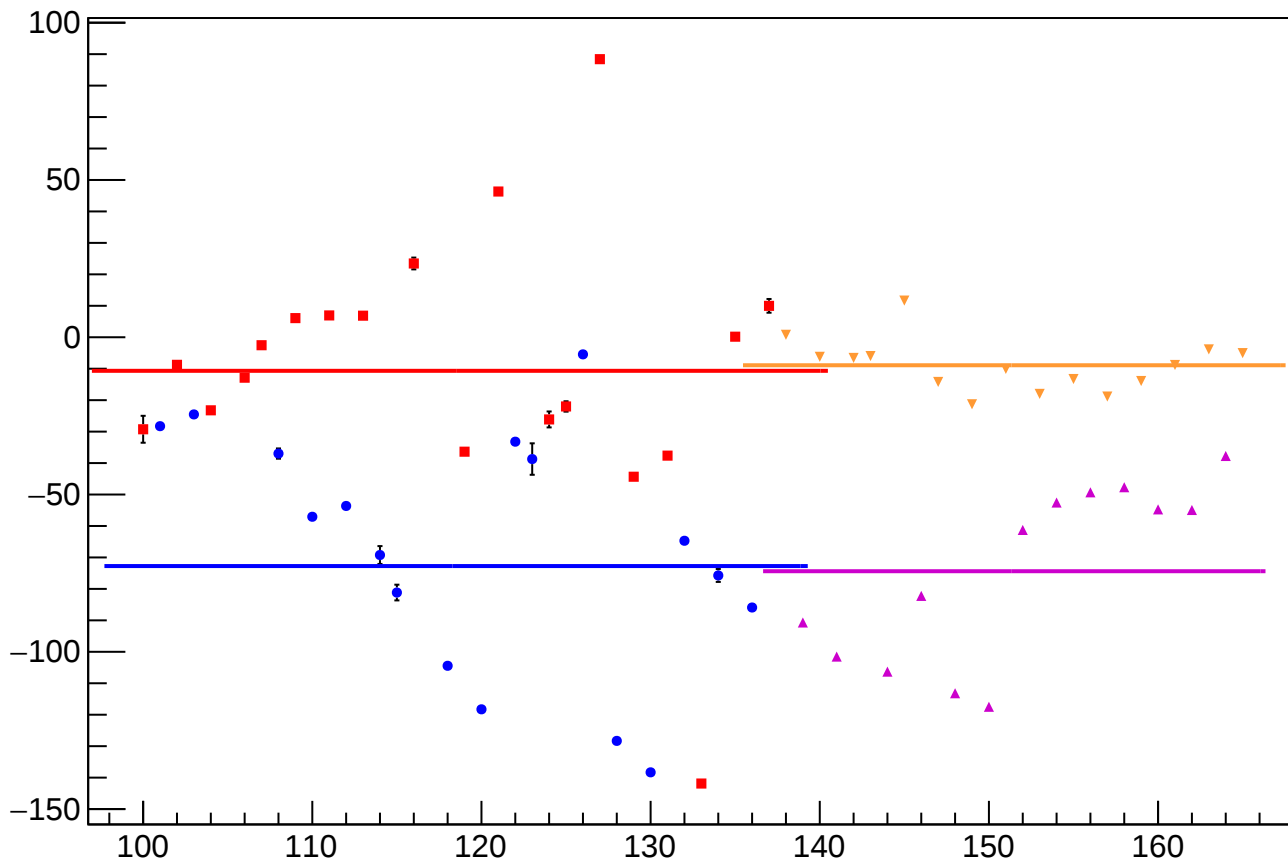
Left In: 1456.705 $\pm$ 0.323 χ^2 /NDF:160932.8/12

+ sign 1389.627 $\pm$ 0.234 χ^2 /NDF: 309848.7/31

All: 1390.458 $\pm$ 0.167 χ^2 /NDF: 641171.8/63

- 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: -8.903 ± 0.282 $\chi^2/\text{NDF}: 838.6/14$

Right Out: -10.671 ± 0.352 $\chi^2/\text{NDF}: 18171.0/18$

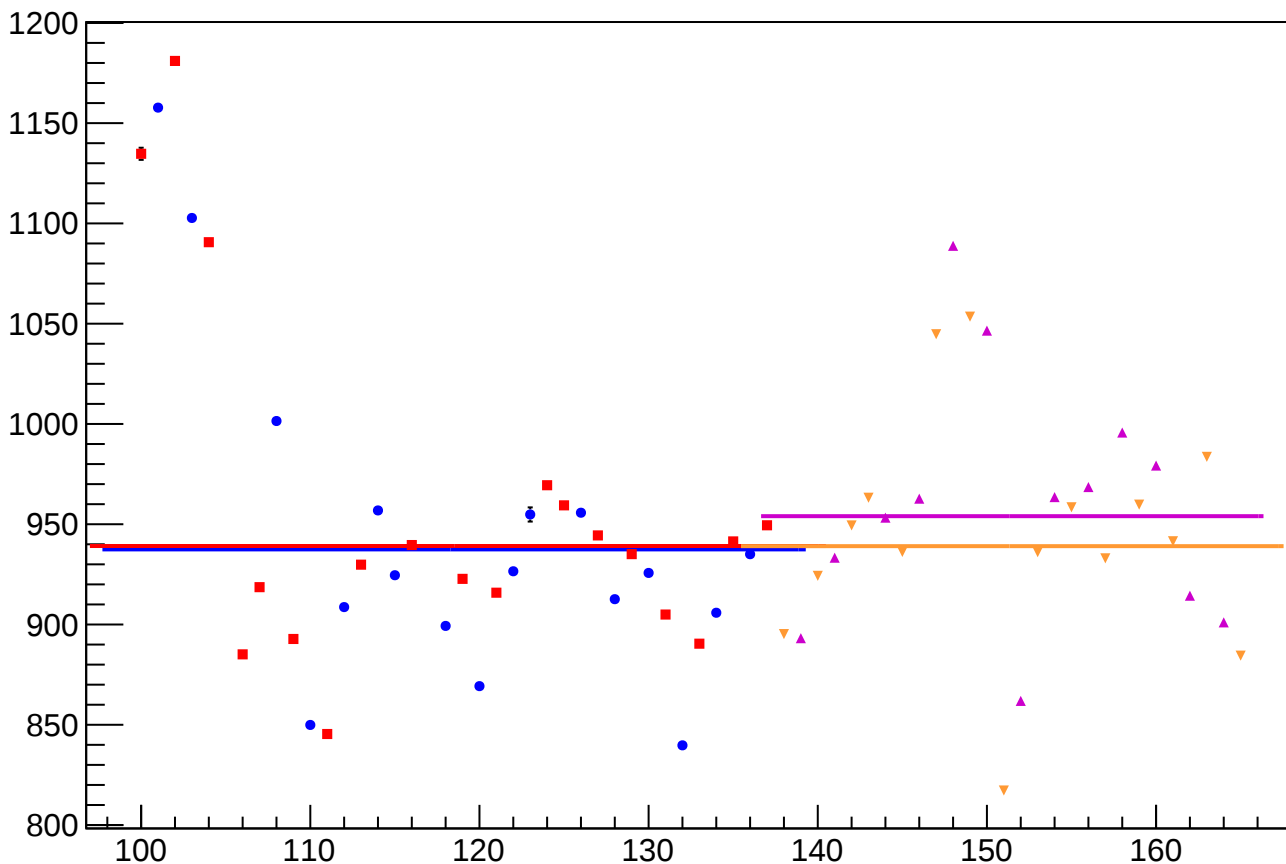
Left In: -74.381 ± 0.298 $\chi^2/\text{NDF}: 7821.8/12$

+ sign -33.018 ± 0.223 $\chi^2/\text{NDF}: 31842.4/31$

All: -40.254 ± 0.159 $\chi^2/\text{NDF}: 79053.5/63$

- sign -47.808 ± 0.228 $\chi^2/\text{NDF}: 45053.1/31$

diff_bpm1i02X_rms vs Slug



Right In: 937.454 $\pm$ 0.256 χ^2 /NDF: 98307.6/16

Left Out: 939.067 $\pm$ 0.200 χ^2 /NDF: 84668.7/14

Right Out: 939.140 $\pm$ 0.249 χ^2 /NDF: 90253.2/18

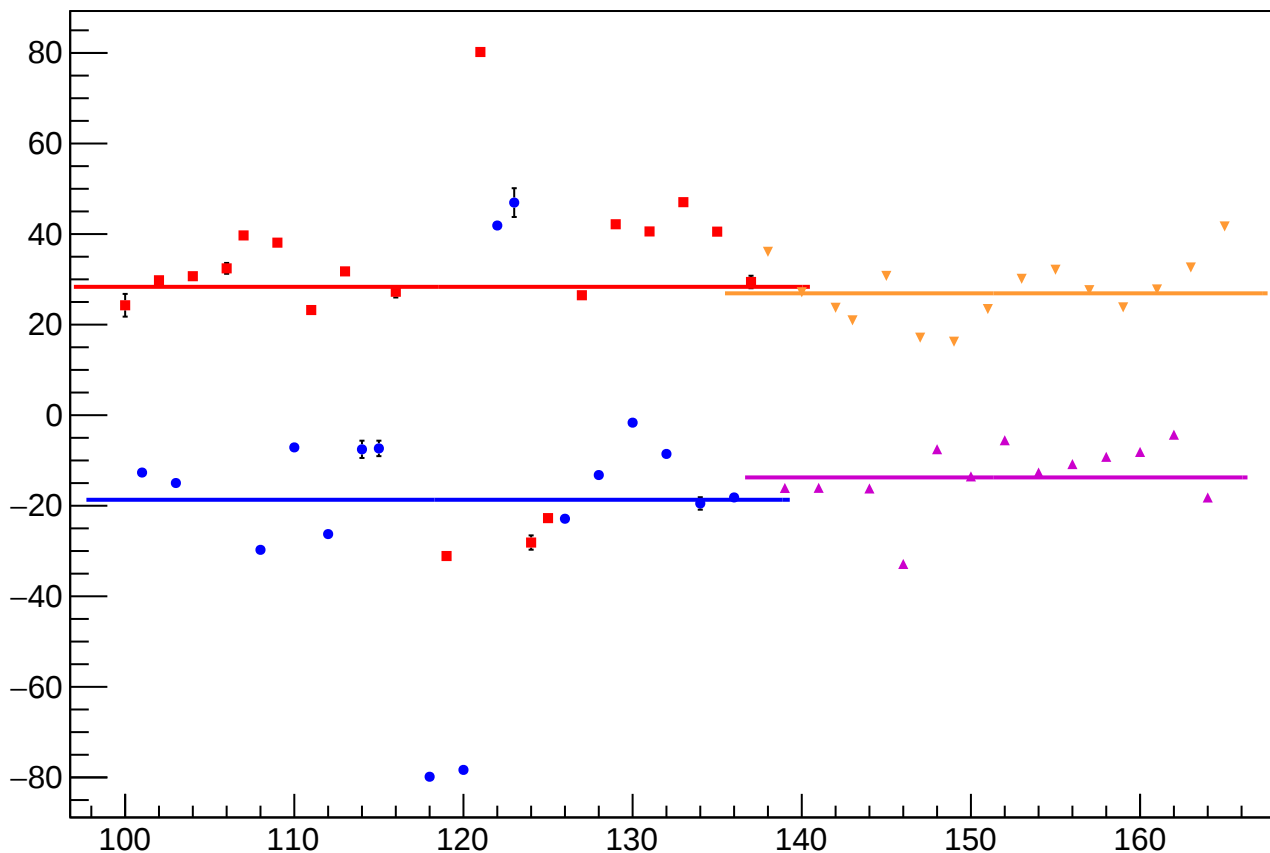
Left In: 954.019 $\pm$ 0.211 χ^2 /NDF: 75798.7/12

+ sign 938.458 $\pm$ 0.157 χ^2 /NDF: 183001.1/31

All: 943.035 $\pm$ 0.113 χ^2 /NDF: 352859.1/63

- sign 947.813 $\pm$ 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: 26.912 ± 0.217 χ^2/NDF : 924.5/14

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

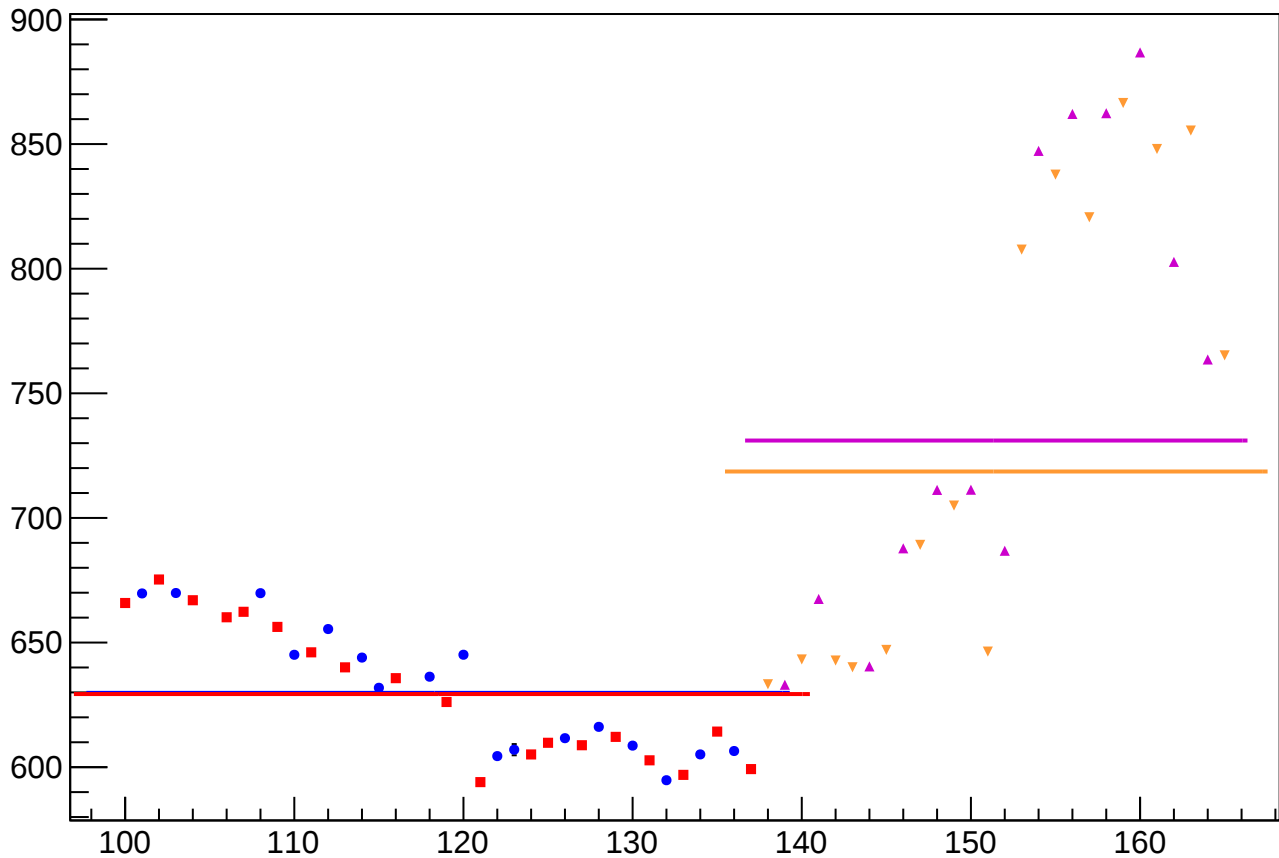
Left In: -13.746 ± 0.230 χ^2/NDF : 1031.4/12

+ sign 6.611 ± 0.162 χ^2/NDF : 33516.8/31

All: 6.691 ± 0.115 χ^2/NDF : 63436.4/63

- 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: 718.634 $\pm$ 0.154 χ^2 /NDF: 325348.0/14

Right Out: 629.340 $\pm$ 0.166 χ^2 /NDF: 25538.5/18

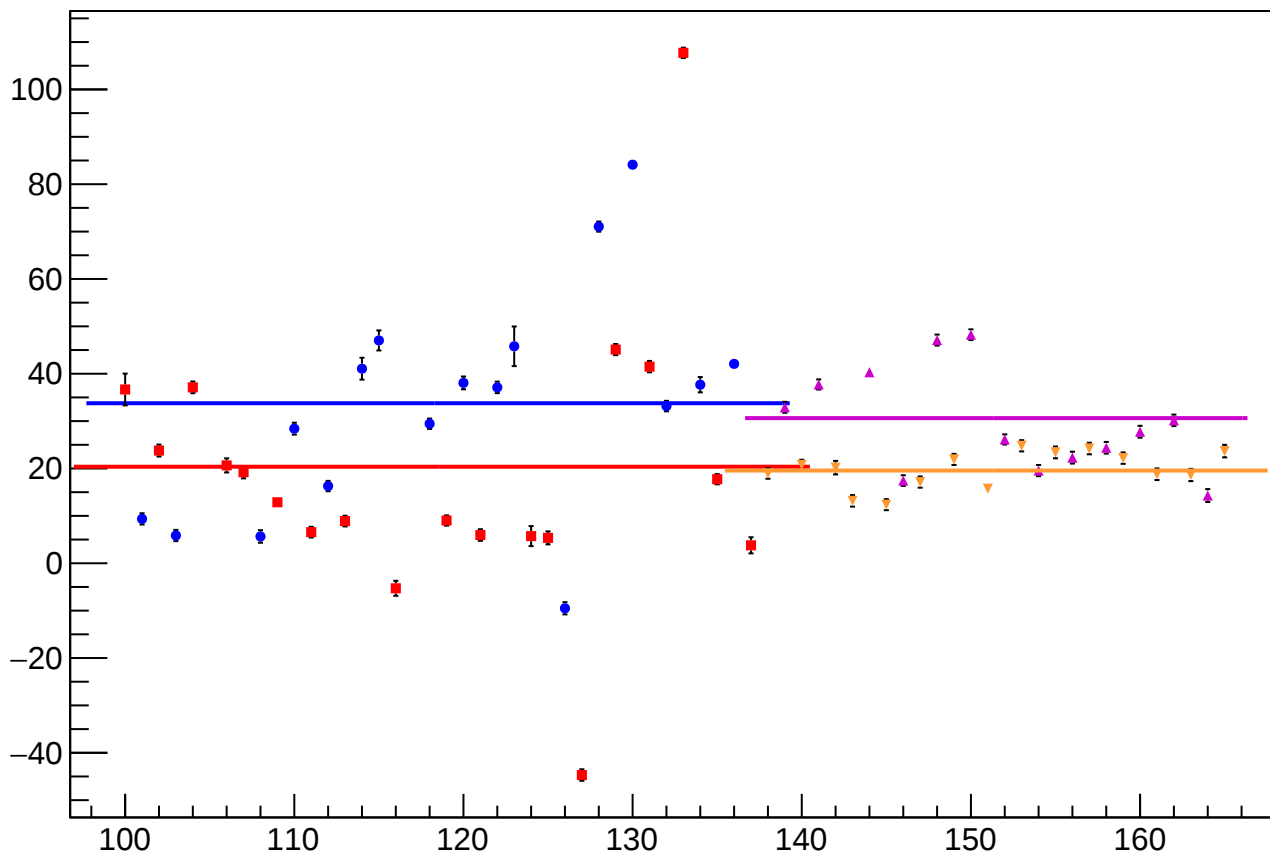
Left In: 731.055 $\pm$ 0.162 χ^2 /NDF: 266952.3/12

+ sign 679.088 $\pm$ 0.114 χ^2 /NDF: 497292.3/31

All: 680.261 $\pm$ 0.082 χ^2 /NDF: 981284.9/63

- 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: 19.569+/-0.310 χ^2/NDF : 147.6/14

Right Out: 20.375+/-0.293 χ^2/NDF : 11287.7/18

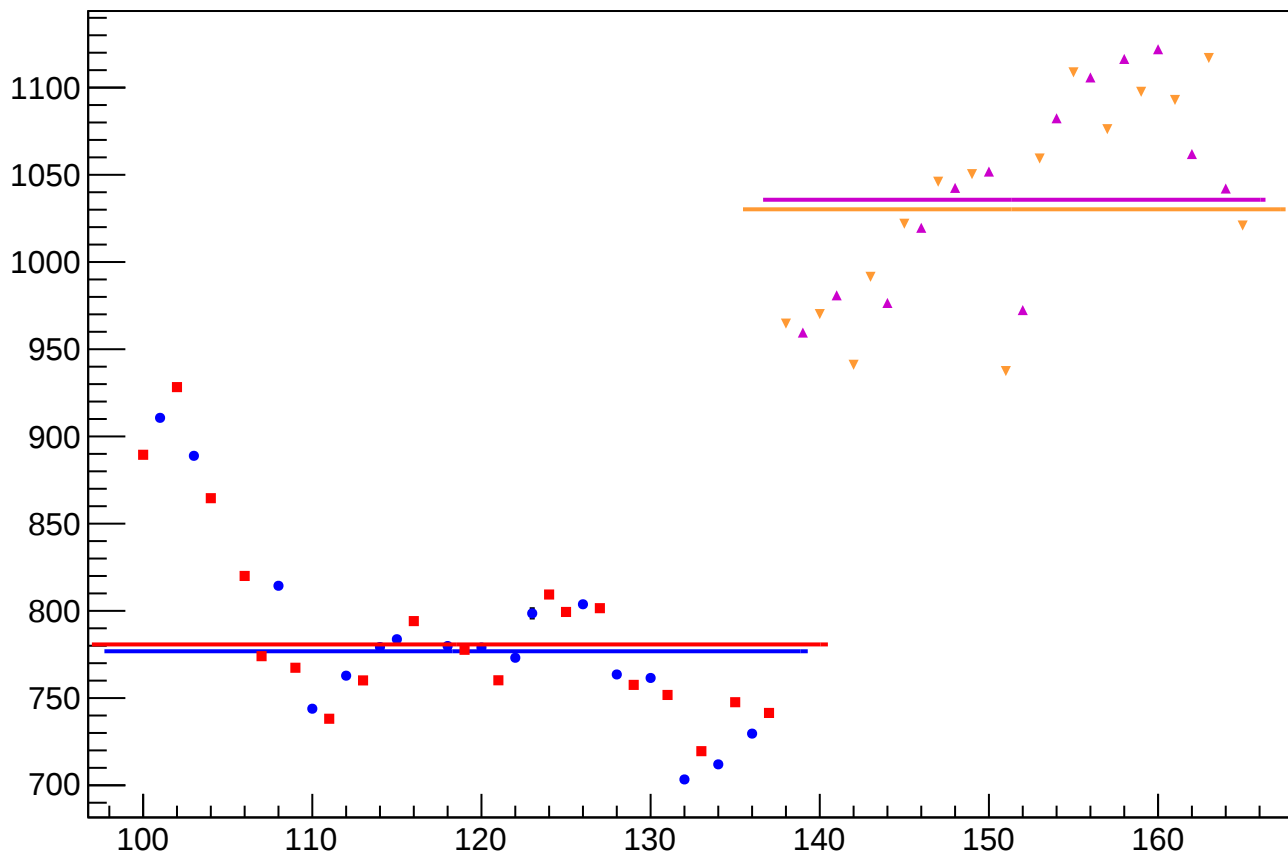
Left In: 30.631+/-0.323 χ^2/NDF : 1037.0/12

+ sign 26.895+/-0.215 χ^2/NDF : 7721.7/31

All: 25.950+/-0.153 χ^2/NDF : 20638.4/63

- 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: 1030.218 $\pm$ 0.219 χ^2 /NDF: 71968.0/14

Right Out: 780.755 $\pm$ 0.207 χ^2 /NDF: 57428.9/18

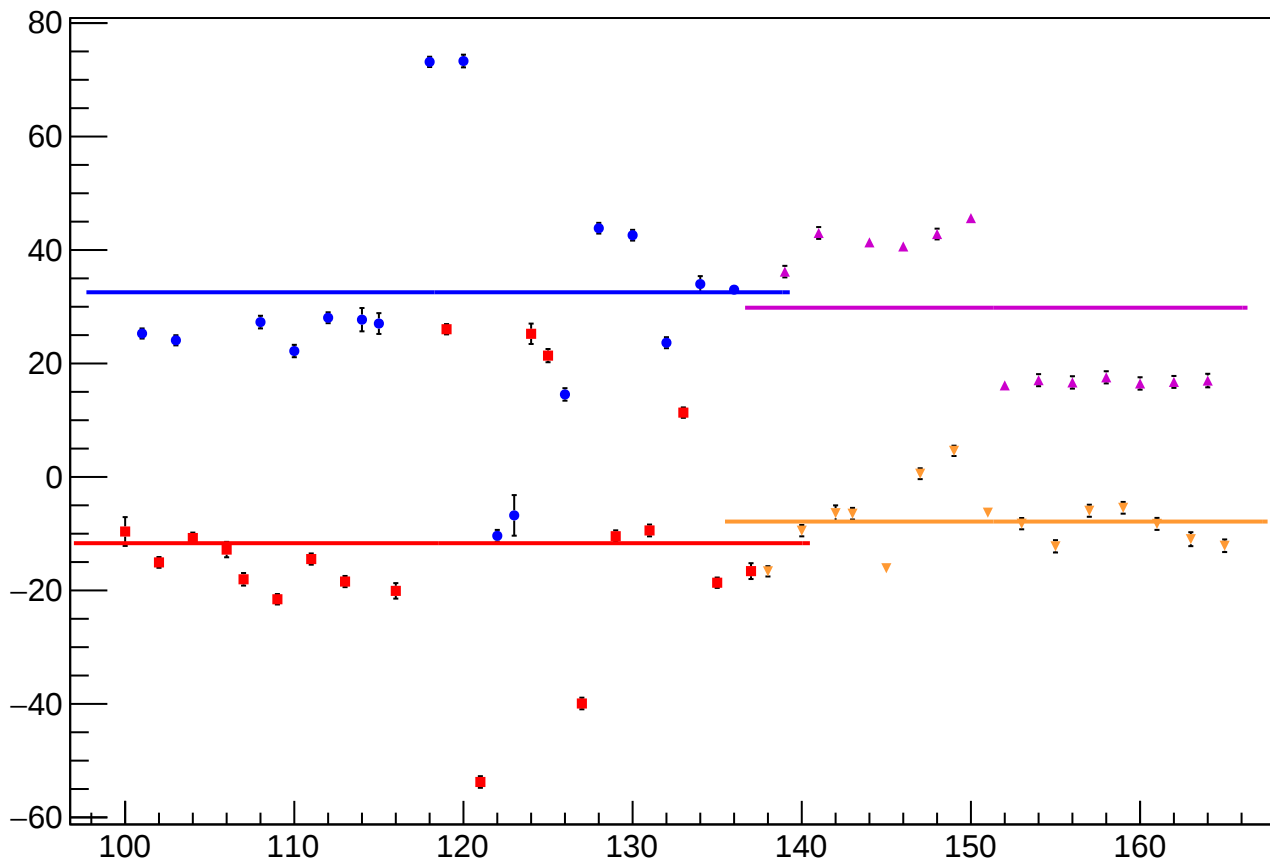
Left In: 1035.700 $\pm$ 0.229 χ^2 /NDF: 56421.0/12

+ sign 899.521 $\pm$ 0.152 χ^2 /NDF: 830730.7/31

All: 897.519 $\pm$ 0.108 χ^2 /NDF: 1628594.7/63

- sign 895.487 $\pm$ 0.153 χ^2 /NDF: 797515.6/31

diff_bpm1i04Y_mean vs Slug



Right In: 32.552+/-0.253 χ^2 /NDF: 6073.0/16

Left Out: -7.861+/-0.260 χ^2 /NDF: 499.5/14

Right Out: -11.674+/-0.247 χ^2 /NDF: 6357.6/18

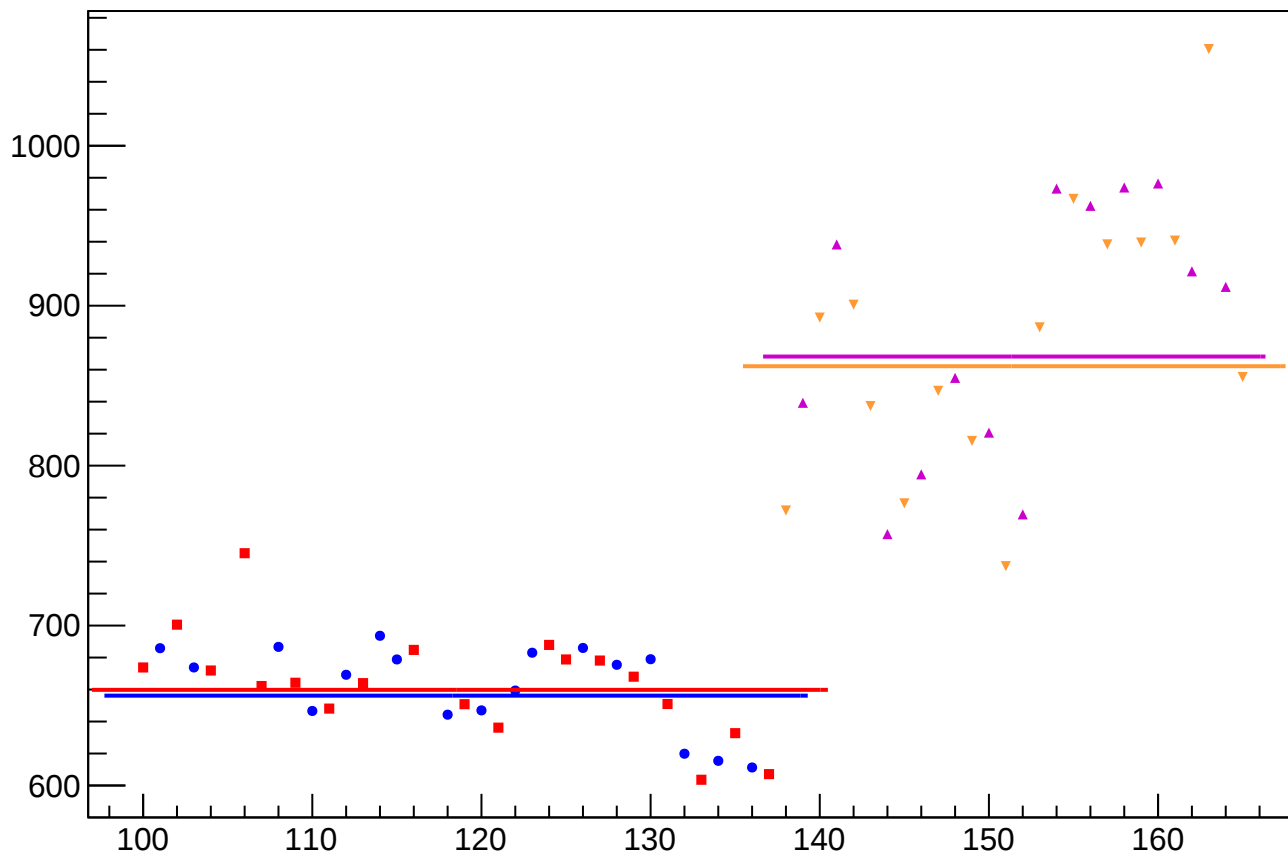
Left In: 29.830+/-0.273 χ^2 /NDF: 2146.7/12

+ sign 12.928+/-0.181 χ^2 /NDF: 18975.8/31

All: 10.002+/-0.129 χ^2 /NDF: 40723.4/63

- sign 7.019+/-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: 862.158 $\pm$ 0.184 χ^2 /NDF:199365.0/14

Right Out: 659.813 $\pm$ 0.175 χ^2 /NDF: 28325.7/18

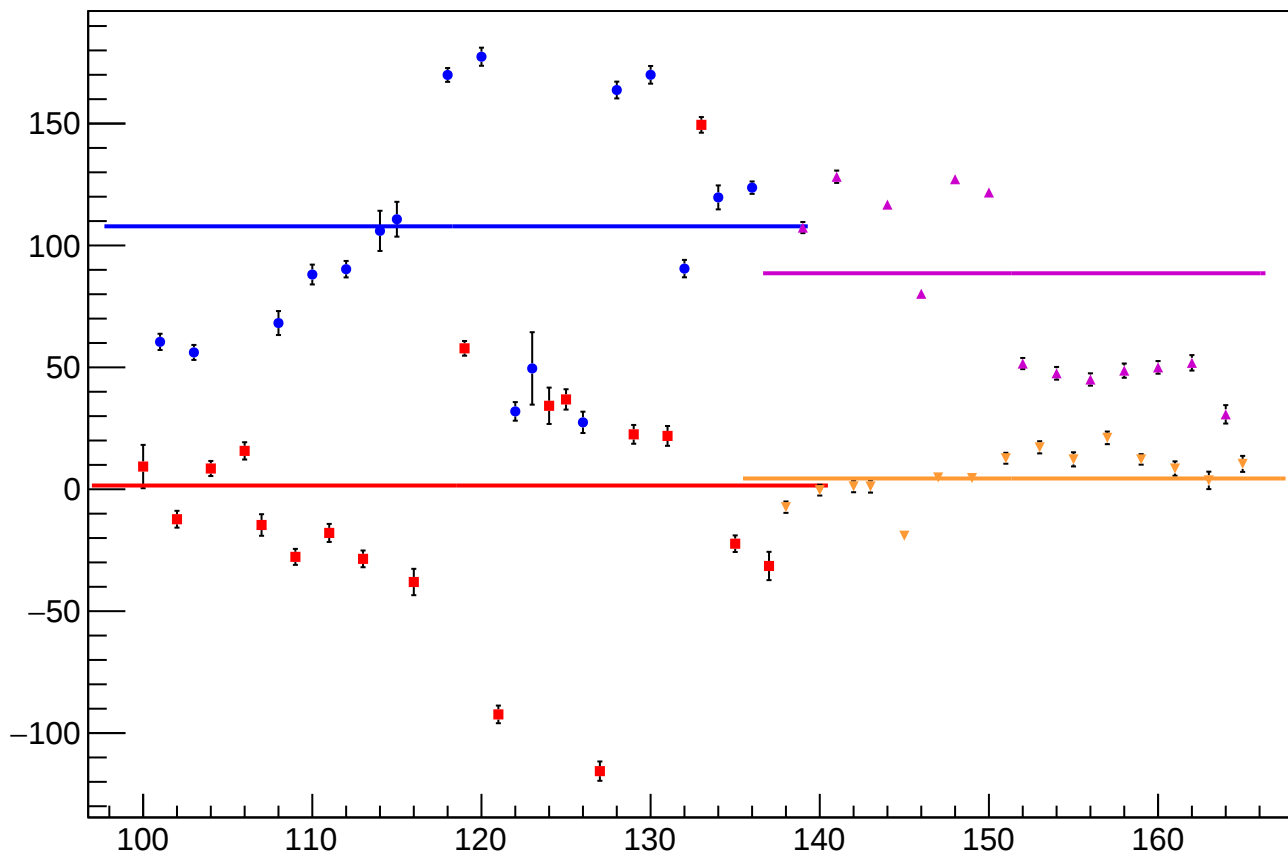
Left In: 868.208 $\pm$ 0.193 χ^2 /NDF:174824.8/12

+ sign 756.200 $\pm$ 0.128 χ^2 /NDF: 867346.5/31

All: 754.948 $\pm$ 0.091 χ^2 /NDF: 1711938.5/63

- sign 753.671 $\pm$ 0.129 χ^2 /NDF: 844399.4/31

diff_bpm1i06X_mean vs Slug



Right In: 107.852 $\pm$ 0.922 χ^2 /NDF: 2809.0/16

Left Out: 4.425 $\pm$ 0.605 χ^2 /NDF: 275.0/14

Right Out: 1.542 $\pm$ 0.883 χ^2 /NDF: 4523.8/18

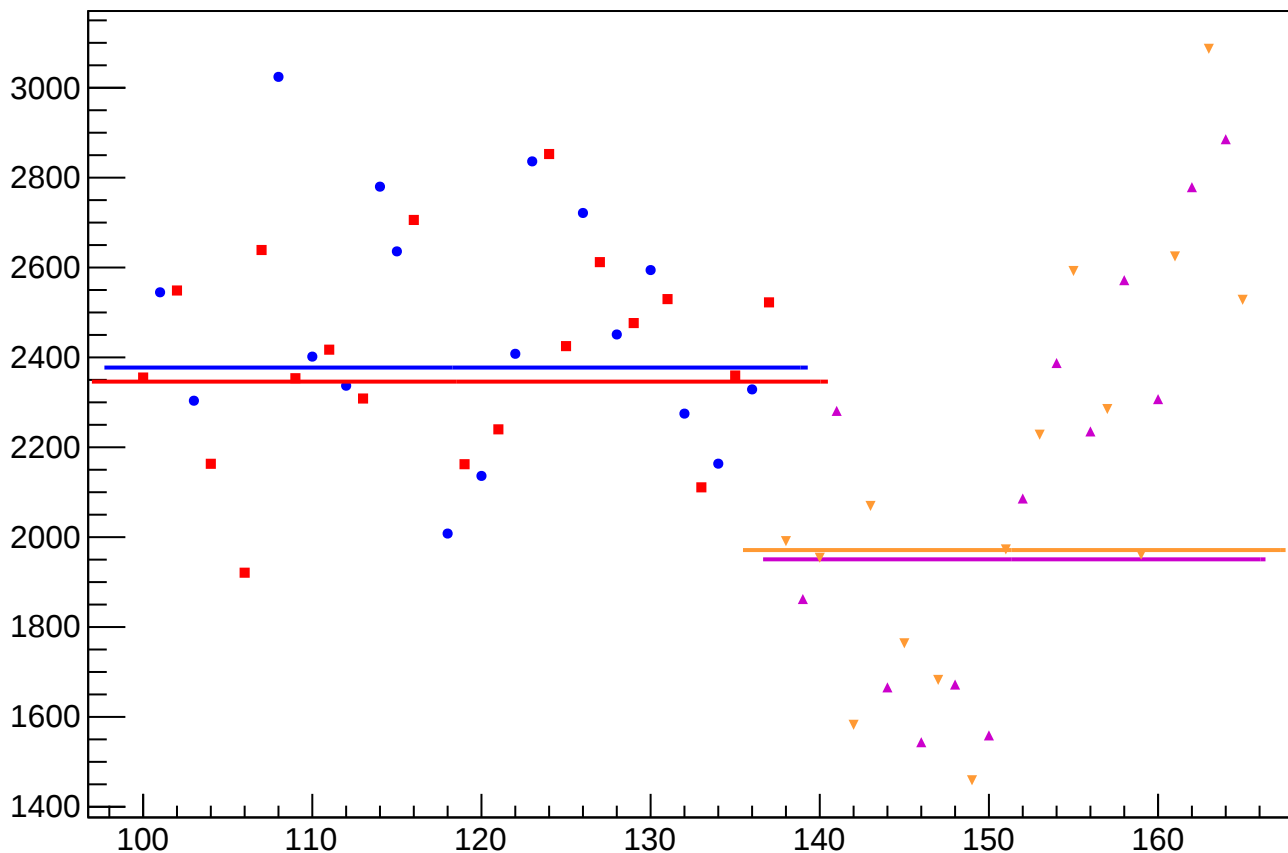
Left In: 88.597 $\pm$ 0.626 χ^2 /NDF: 2958.3/12

+ sign 35.543 $\pm$ 0.505 χ^2 /NDF: 11890.4/31

All: 47.400 $\pm$ 0.359 χ^2 /NDF: 26951.3/63

- sign 59.502 $\pm$ 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: 1971.291+/-0.427 χ^2/NDF : 810418.0/14

Right Out: 2346.121+/-0.625 χ^2/NDF : 108257.3/18

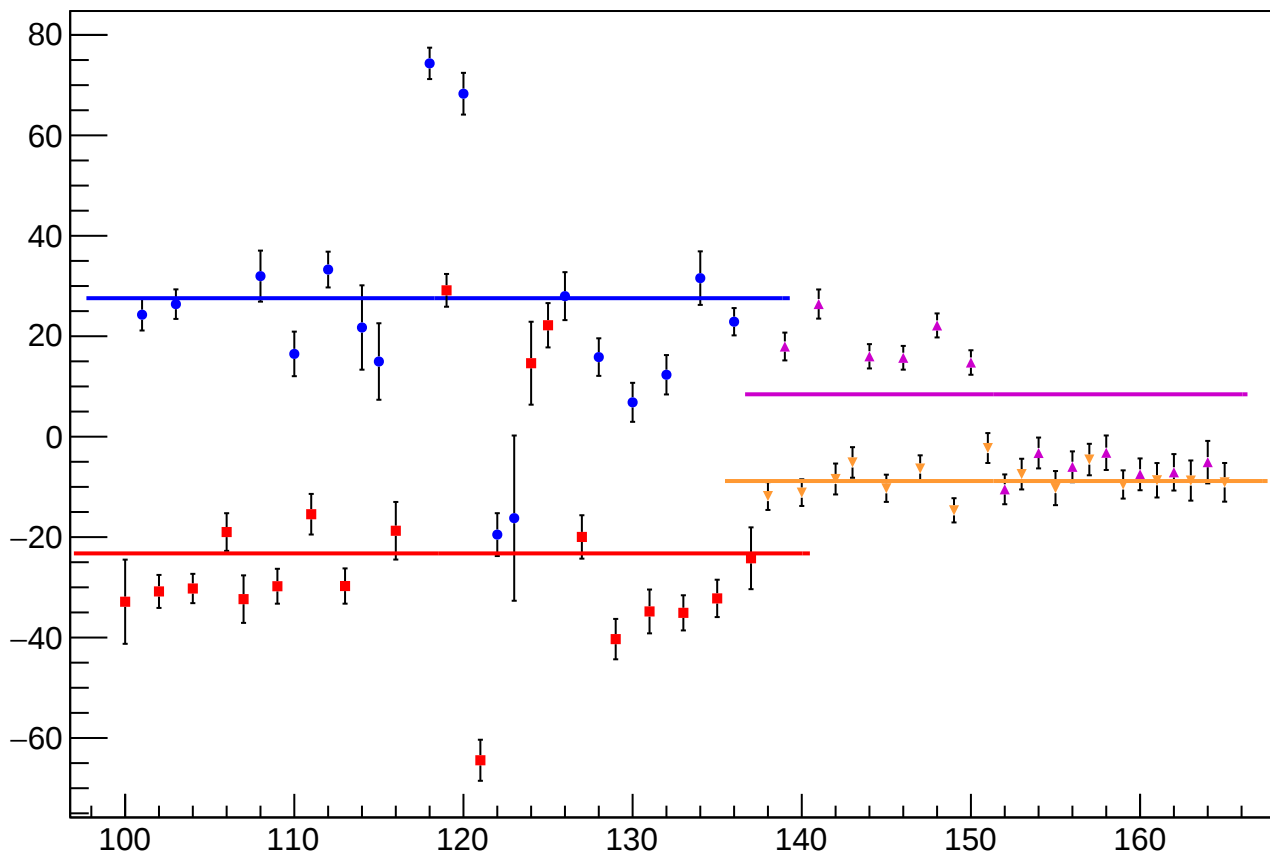
Left In: 1950.640+/-0.443 χ^2/NDF : 826448.5/12

+ sign 2093.481+/-0.357 χ^2/NDF : 1201649.1/31

All: 2088.203+/-0.254 χ^2/NDF : 2403718.8/63

- 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: -8.832+/-0.770 χ^2 /NDF: 17.6/14

Right Out: -23.243+/-0.927 χ^2 /NDF: 557.9/18

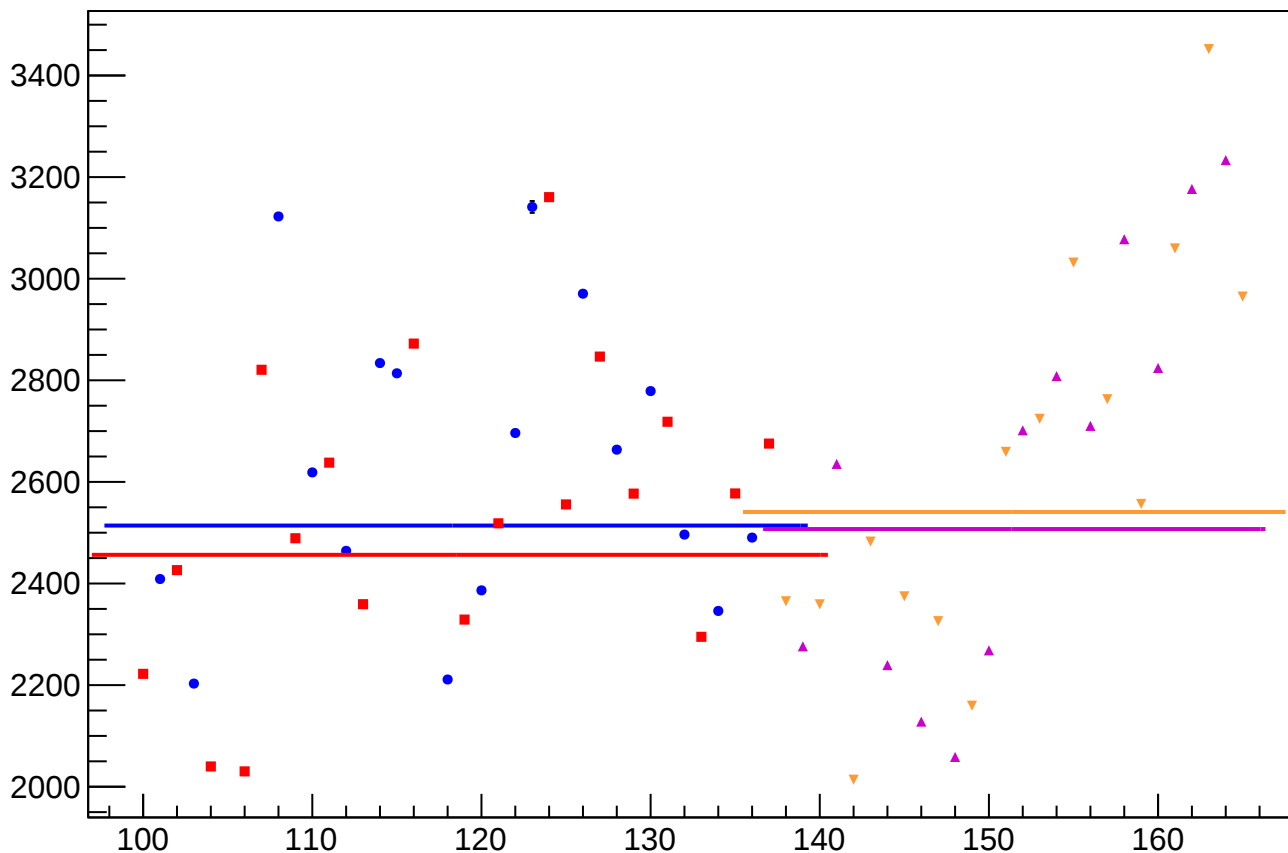
Left In: 8.438+/-0.795 χ^2 /NDF: 251.5/12

+ sign 5.151+/-0.604 χ^2 /NDF: 1396.5/31

All: 0.078+/-0.427 χ^2 /NDF: 3020.0/63

- 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: 2540.834+/-0.544 χ^2/NDF : 383623.6/14

Right Out: 2456.460+/-0.655 χ^2/NDF : 149732.7/18

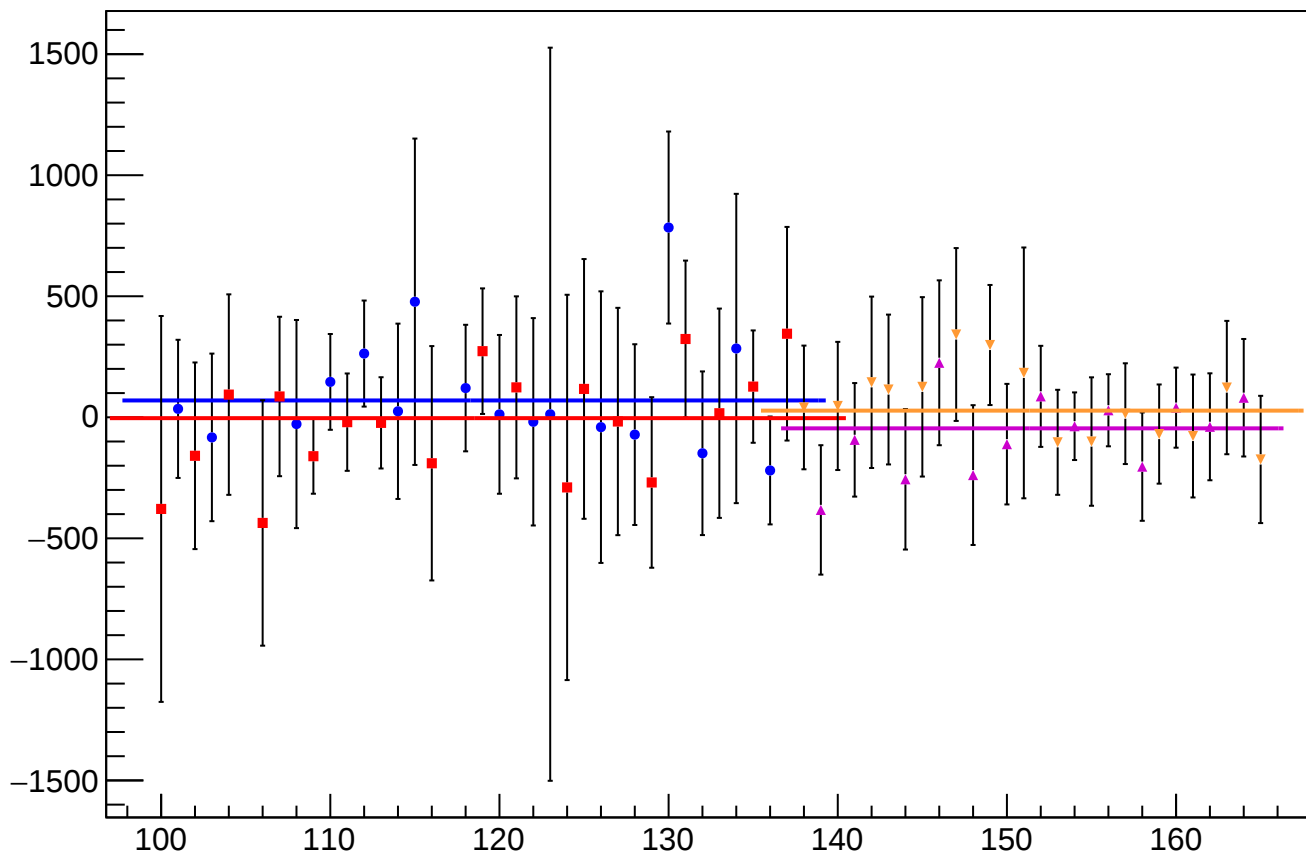
Left In: 2507.226+/-0.562 χ^2/NDF : 422005.3/12

+ sign 2530.562+/-0.427 χ^2/NDF : 505512.3/31

All: 2508.114+/-0.302 χ^2/NDF : 1086224.5/63

- 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 $\pm$ 79.023 χ^2 /NDF: 7.3/16

Left Out: 27.577 $\pm$ 69.224 χ^2 /NDF: 4.0/14

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

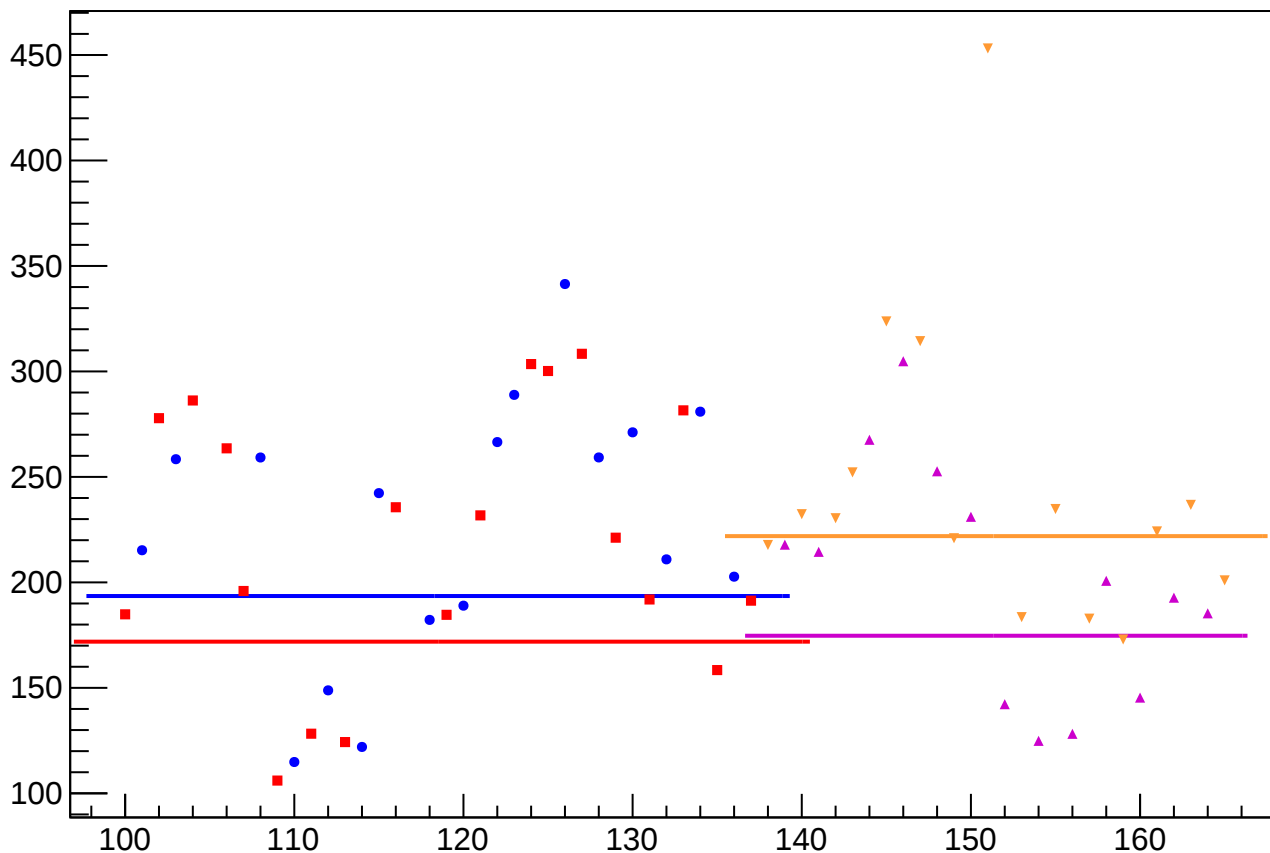
Left In: -45.681 $\pm$ 58.310 χ^2 /NDF: 5.0/12

+ sign 45.817 $\pm$ 52.071 χ^2 /NDF: 11.5/31

All: 3.155 $\pm$ 33.959 χ^2 /NDF: 24.3/63

- sign -28.421 $\pm$ 44.797 χ^2 /NDF: 11.6/31

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.533 $\pm$ 0.056 χ^2 /NDF: 1010428.2/16

Left Out: 221.930 $\pm$ 0.049 χ^2 /NDF: 978250.5/14

Right Out: 171.901 $\pm$ 0.049 χ^2 /NDF: 1576883.7/18

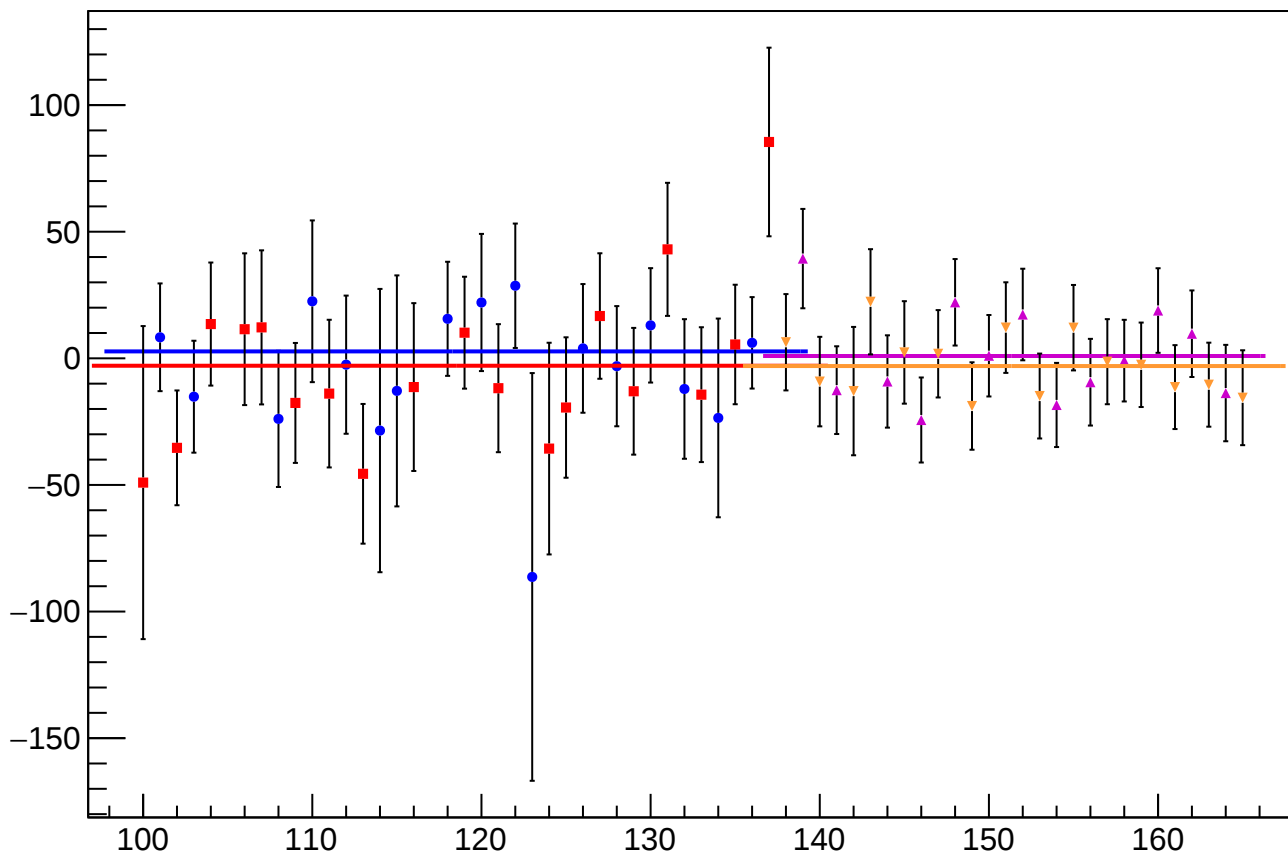
Left In: 174.705 $\pm$ 0.041 χ^2 /NDF: 1459962.9/12

+ sign 209.601 $\pm$ 0.037 χ^2 /NDF: 2134812.1/31

All: 188.887 $\pm$ 0.024 χ^2 /NDF: 5724291.7/63

- sign 173.556 $\pm$ 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: -3.050 ± 4.639 χ^2/NDF : 5.9/14

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

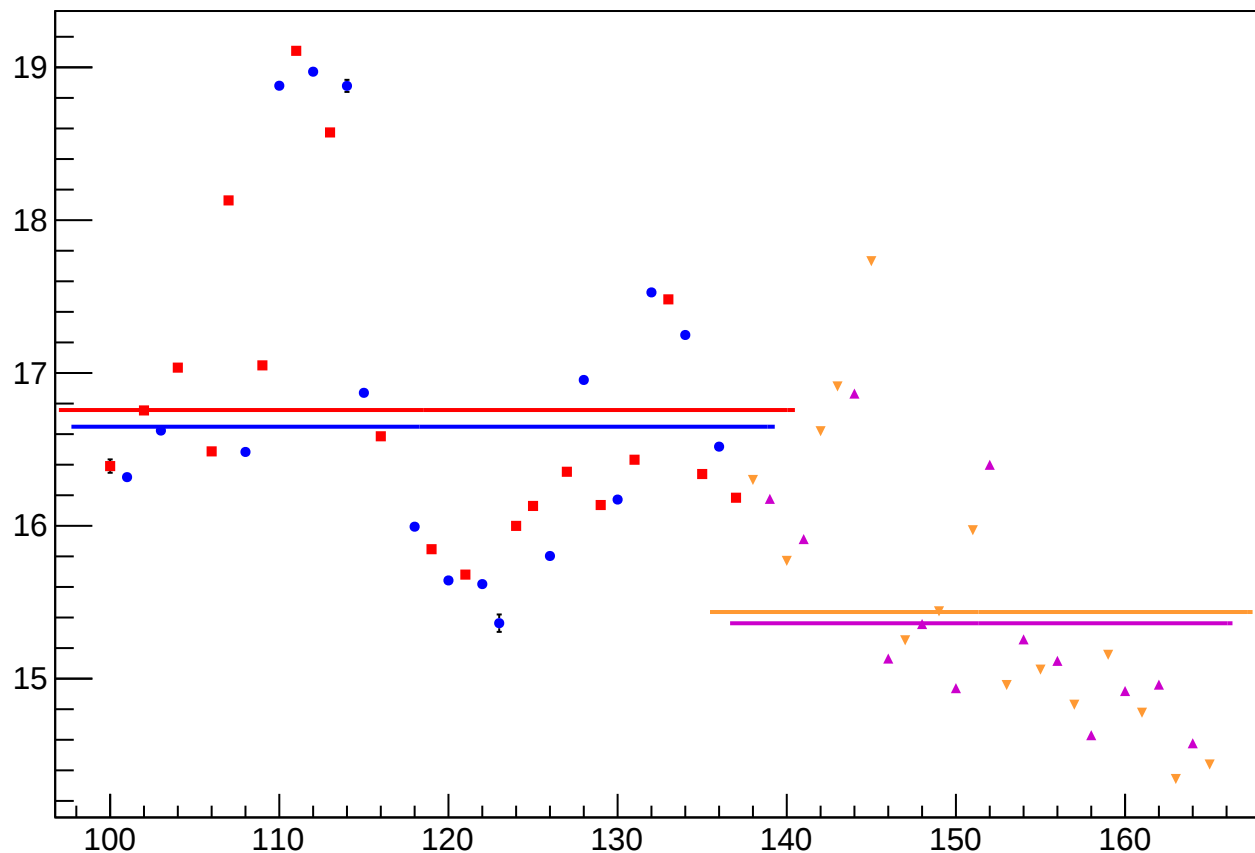
Left In: 0.917 ± 4.795 χ^2/NDF : 13.1/12

+ sign -1.067 ± 3.761 χ^2/NDF : 13.2/31

All: -0.787 ± 2.677 χ^2/NDF : 44.4/63

- 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: 15.436 $\pm$ 0.003 χ^2 /NDF: 70371.7/14

Right Out: 16.758 $\pm$ 0.004 χ^2 /NDF: 39950.7/18

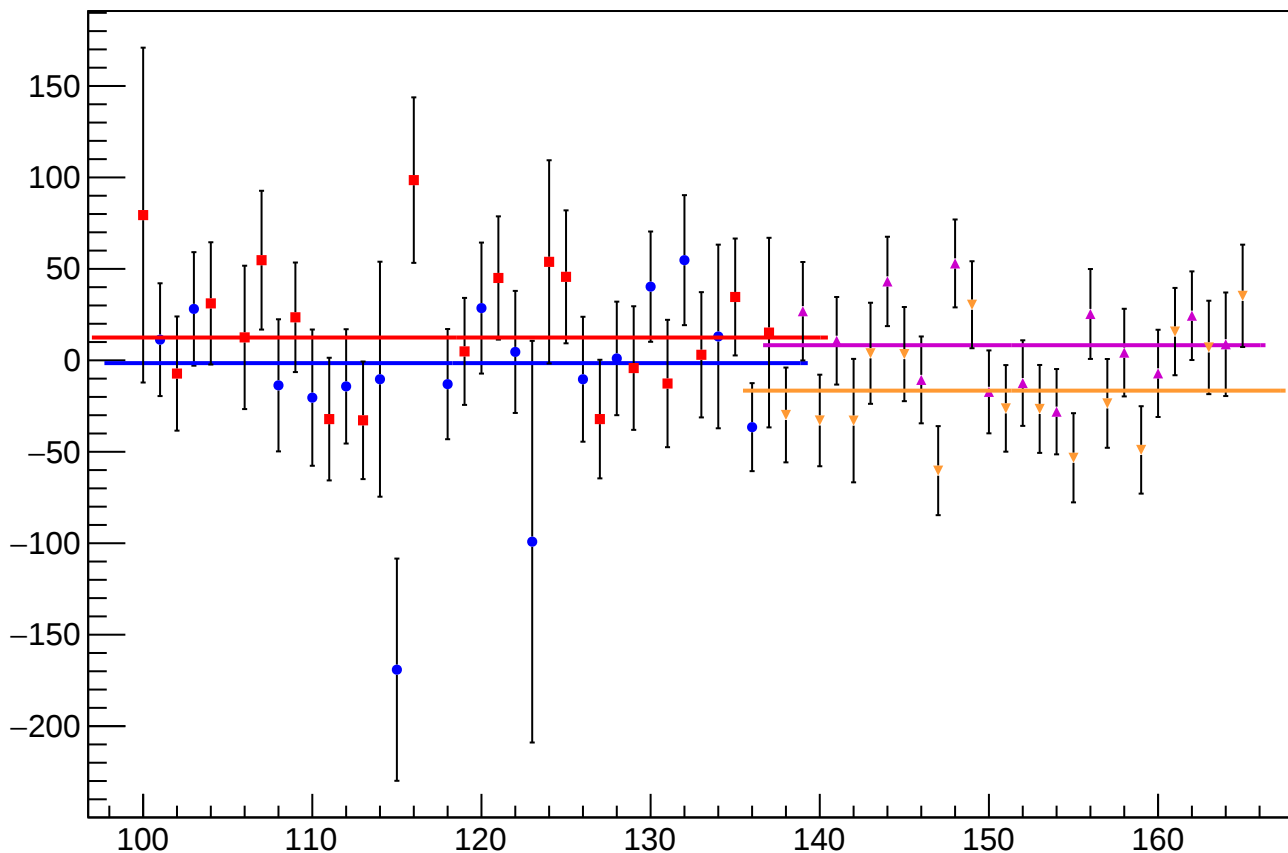
Left In: 15.362 $\pm$ 0.003 χ^2 /NDF: 37949.4/12

+ sign 15.852 $\pm$ 0.003 χ^2 /NDF: 159759.3/31

All: 15.864 $\pm$ 0.002 χ^2 /NDF: 300090.3/63

- 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 ± 8.485 χ^2/NDF : 17.6/16

Left Out: -16.562 ± 6.530 χ^2/NDF : 19.8/14

Right Out: 12.475 ± 8.210 χ^2/NDF : 15.6/18

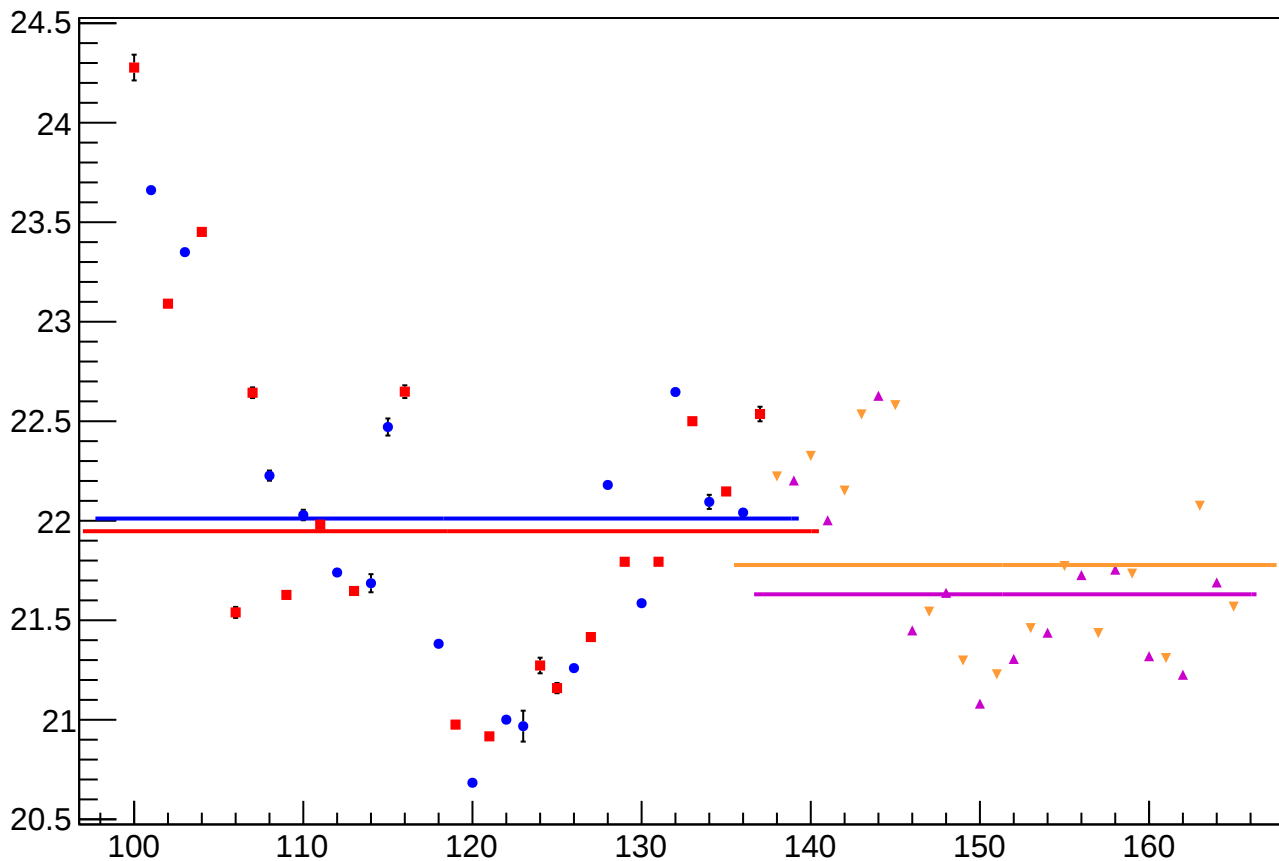
Left In: 8.276 ± 6.738 χ^2/NDF : 12.5/12

+ sign -10.968 ± 5.175 χ^2/NDF : 39.5/31

All: -0.569 ± 3.671 χ^2/NDF : 75.8/63

- sign 9.966 ± 5.209 χ^2/NDF : 28.2/31

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011 $\pm$ 0.006 χ^2 /NDF: 17546.9/16

Left Out: 21.778 $\pm$ 0.005 χ^2 /NDF: 9219.5/14

Right Out: 21.947 $\pm$ 0.006 χ^2 /NDF: 16592.7/18

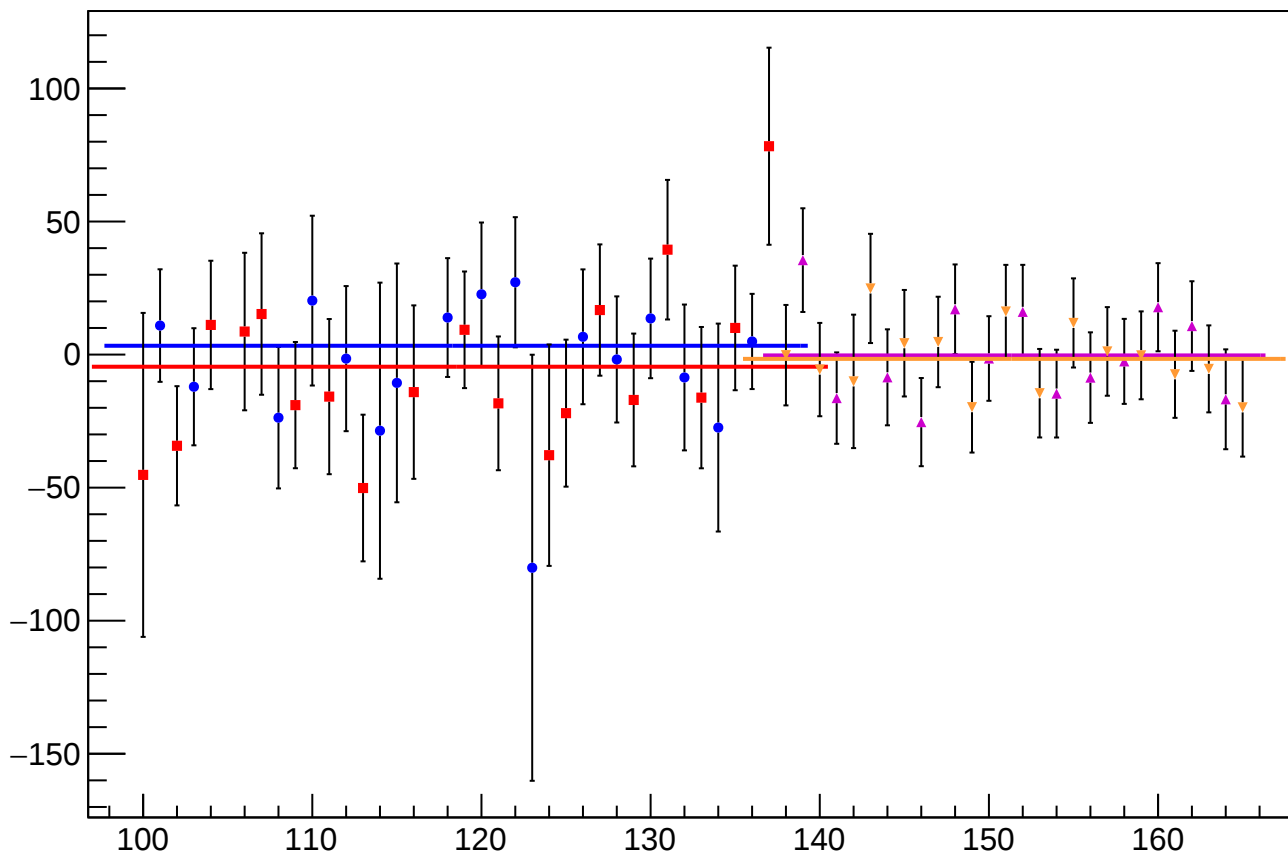
Left In: 21.630 $\pm$ 0.005 χ^2 /NDF: 7522.4/12

+ sign 21.865 $\pm$ 0.004 χ^2 /NDF: 27717.9/31

All: 21.812 $\pm$ 0.003 χ^2 /NDF: 54034.8/63

- sign 21.758 $\pm$ 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: -1.609 ± 4.587 χ^2/NDF : 6.7/14

Right Out: -4.561 ± 6.244 χ^2/NDF : 17.7/18

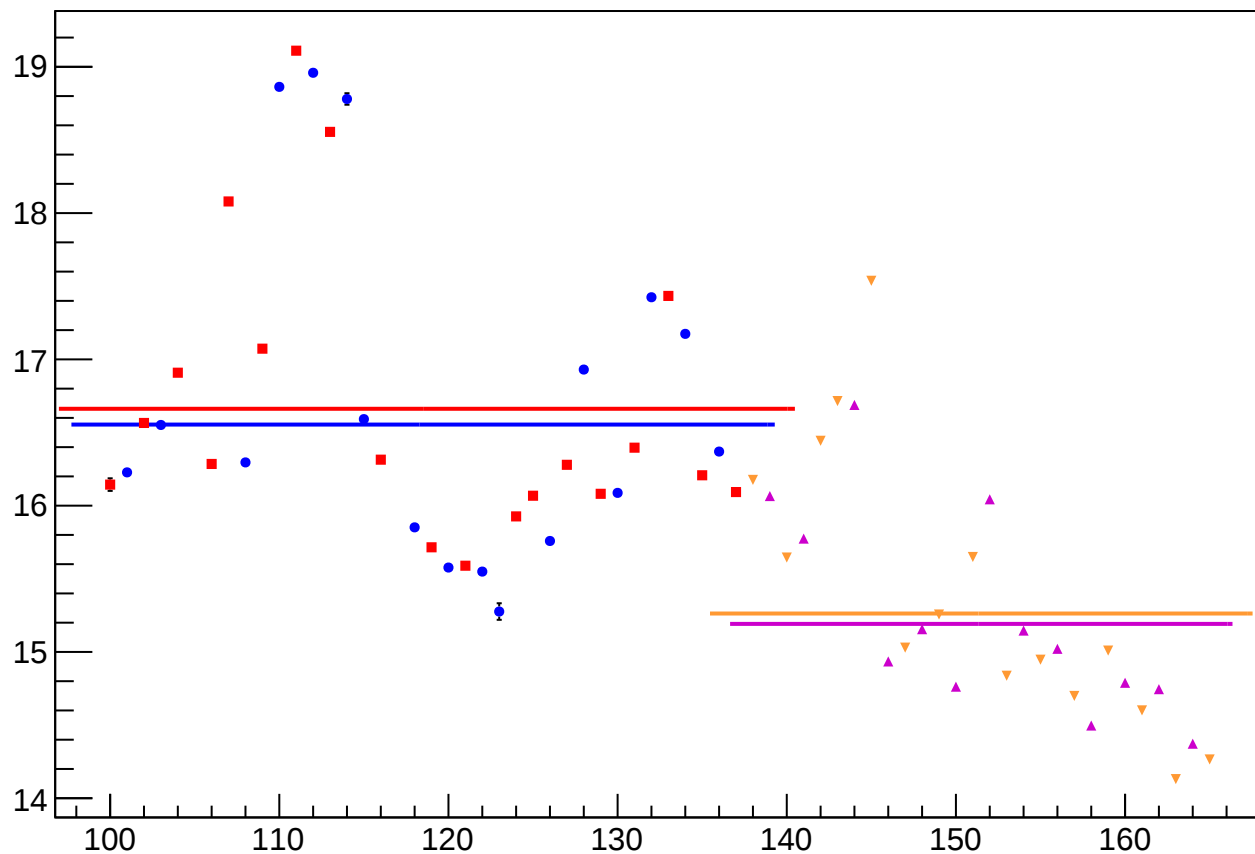
Left In: -0.312 ± 4.741 χ^2/NDF : 12.1/12

+ sign 0.067 ± 3.726 χ^2/NDF : 13.3/31

All: -0.887 ± 2.652 χ^2/NDF : 43.5/63

- 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: 15.263 $\pm$ 0.003 χ^2 /NDF: 70736.5/14

Right Out: 16.662 $\pm$ 0.004 χ^2 /NDF: 43063.6/18

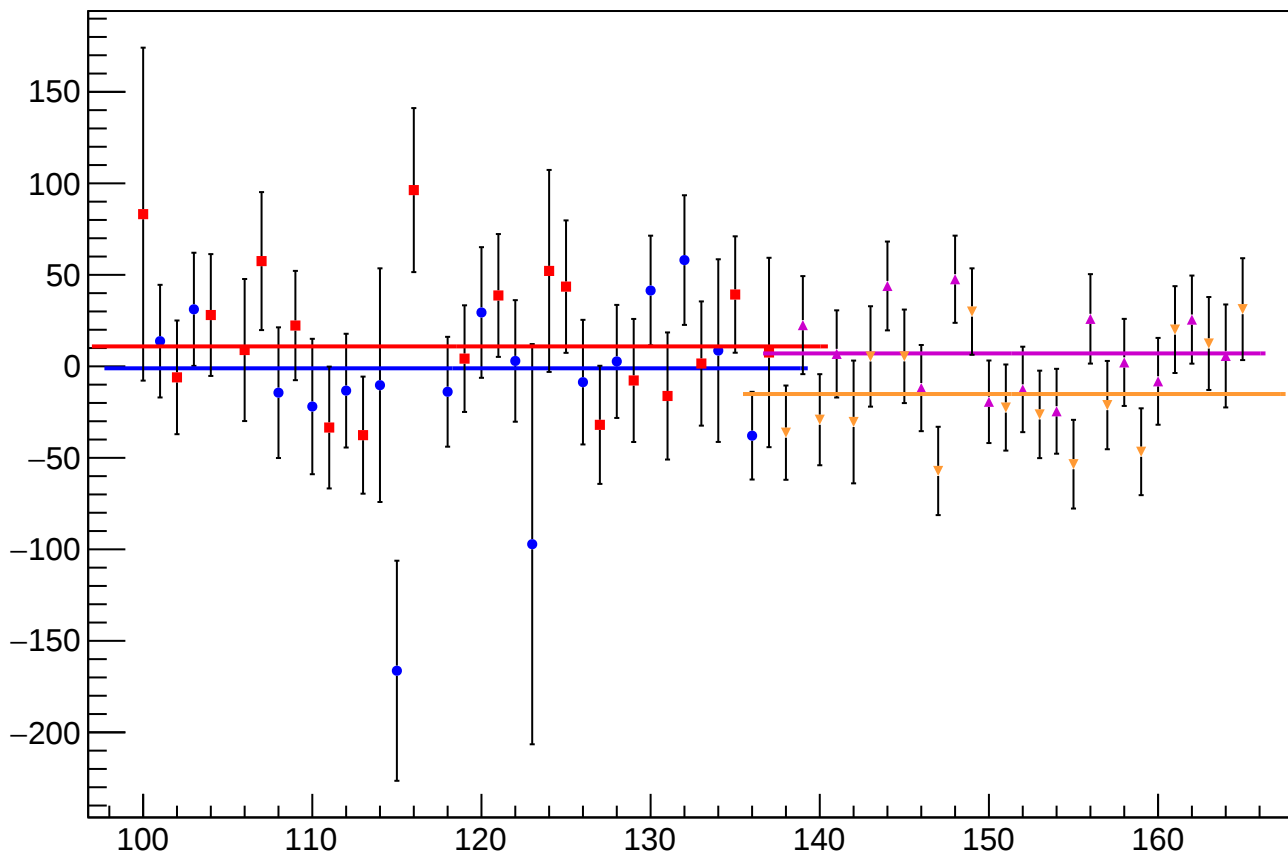
Left In: 15.192 $\pm$ 0.003 χ^2 /NDF: 37092.1/12

+ sign 15.702 $\pm$ 0.003 χ^2 /NDF: 169162.8/31

All: 15.716 $\pm$ 0.002 χ^2 /NDF: 319743.9/63

- 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: -15.119 ± 6.488 χ^2/NDF : 19.9/14

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

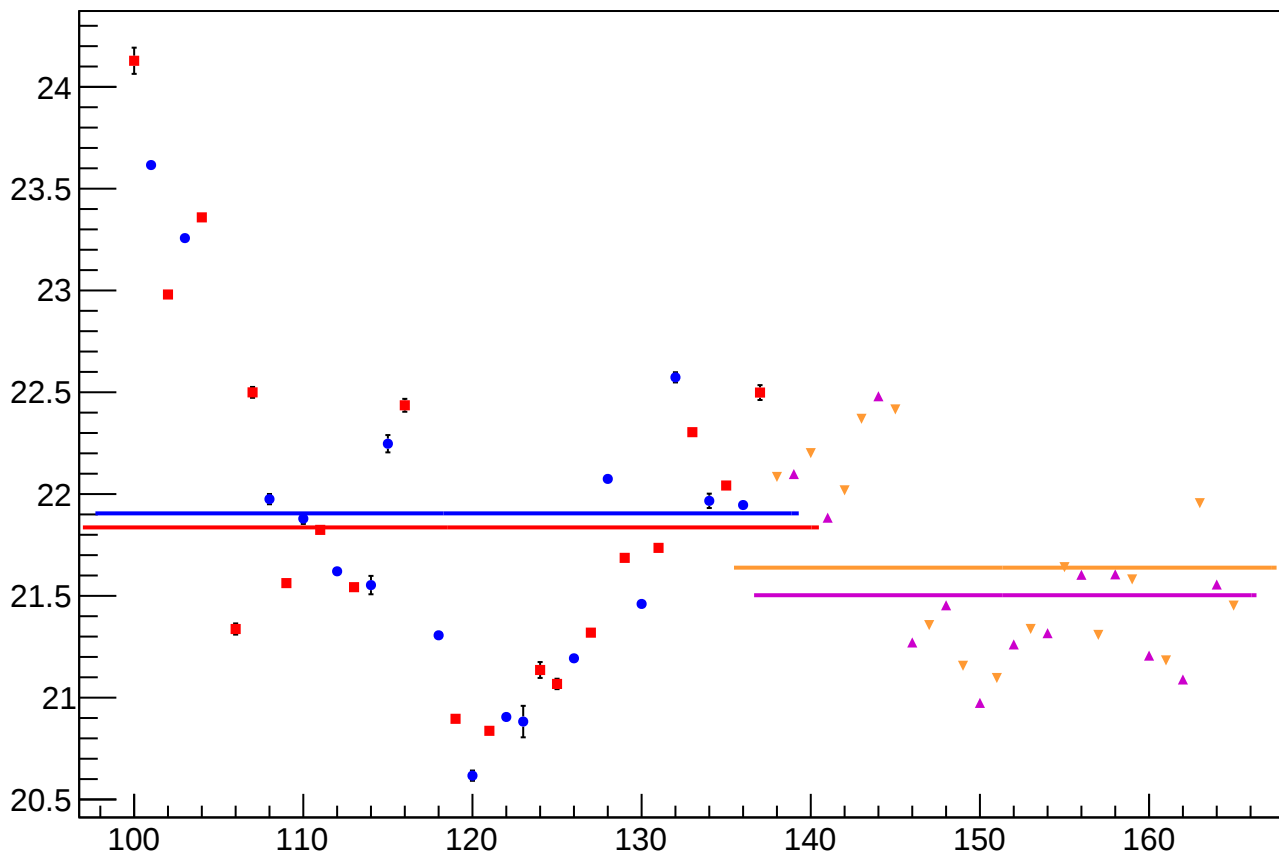
Left In: 7.069 ± 6.699 χ^2/NDF : 11.8/12

+ sign -9.903 ± 5.145 χ^2/NDF : 40.1/31

All: -0.709 ± 3.650 χ^2/NDF : 74.7/63

- 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: 21.639 $\pm$ 0.005 χ^2 /NDF: 9157.6/14

Right Out: 21.836 $\pm$ 0.006 χ^2 /NDF: 16251.2/18

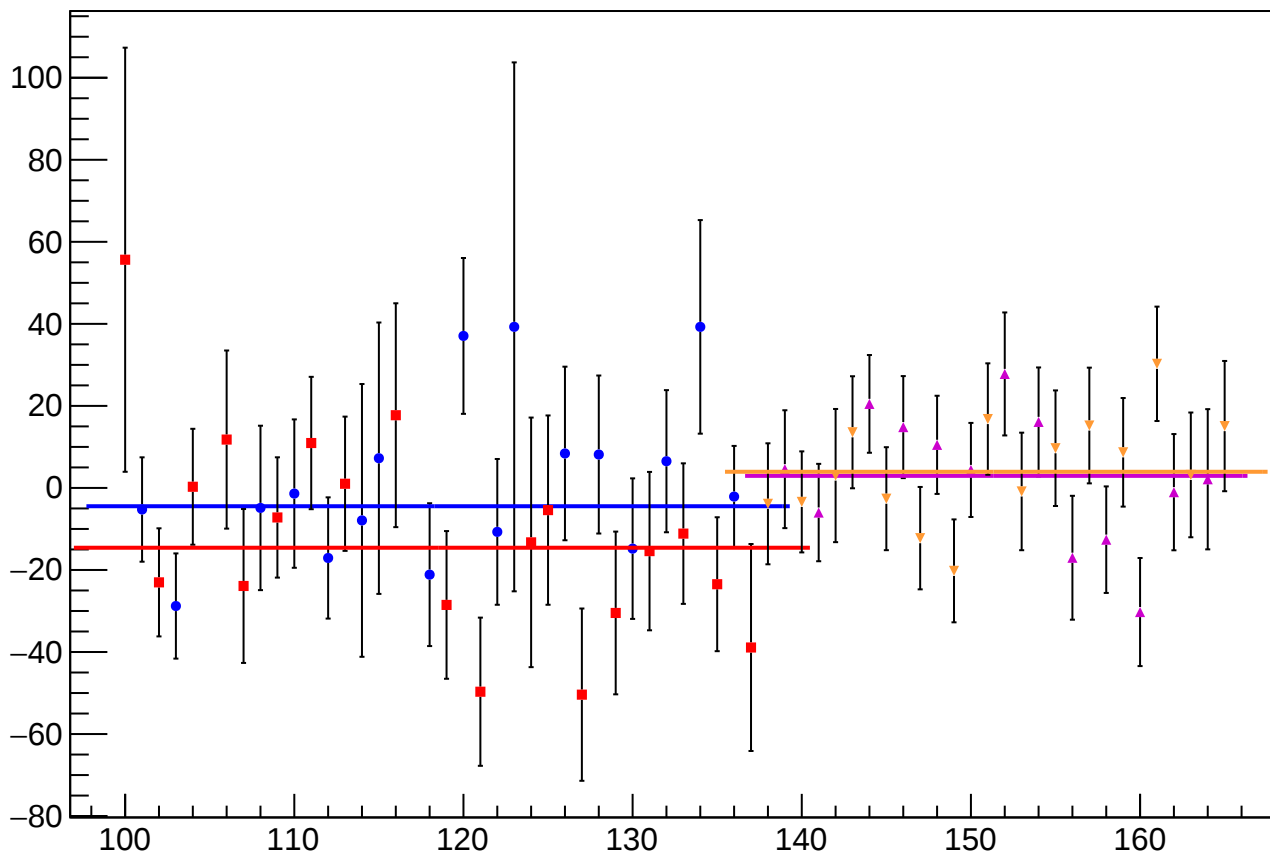
Left In: 21.503 $\pm$ 0.005 χ^2 /NDF: 7368.3/12

+ sign 21.738 $\pm$ 0.004 χ^2 /NDF: 28205.9/31

All: 21.688 $\pm$ 0.003 χ^2 /NDF: 54192.3/63

- 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: 3.941 ± 3.559 χ^2/NDF : 12.8/14

Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

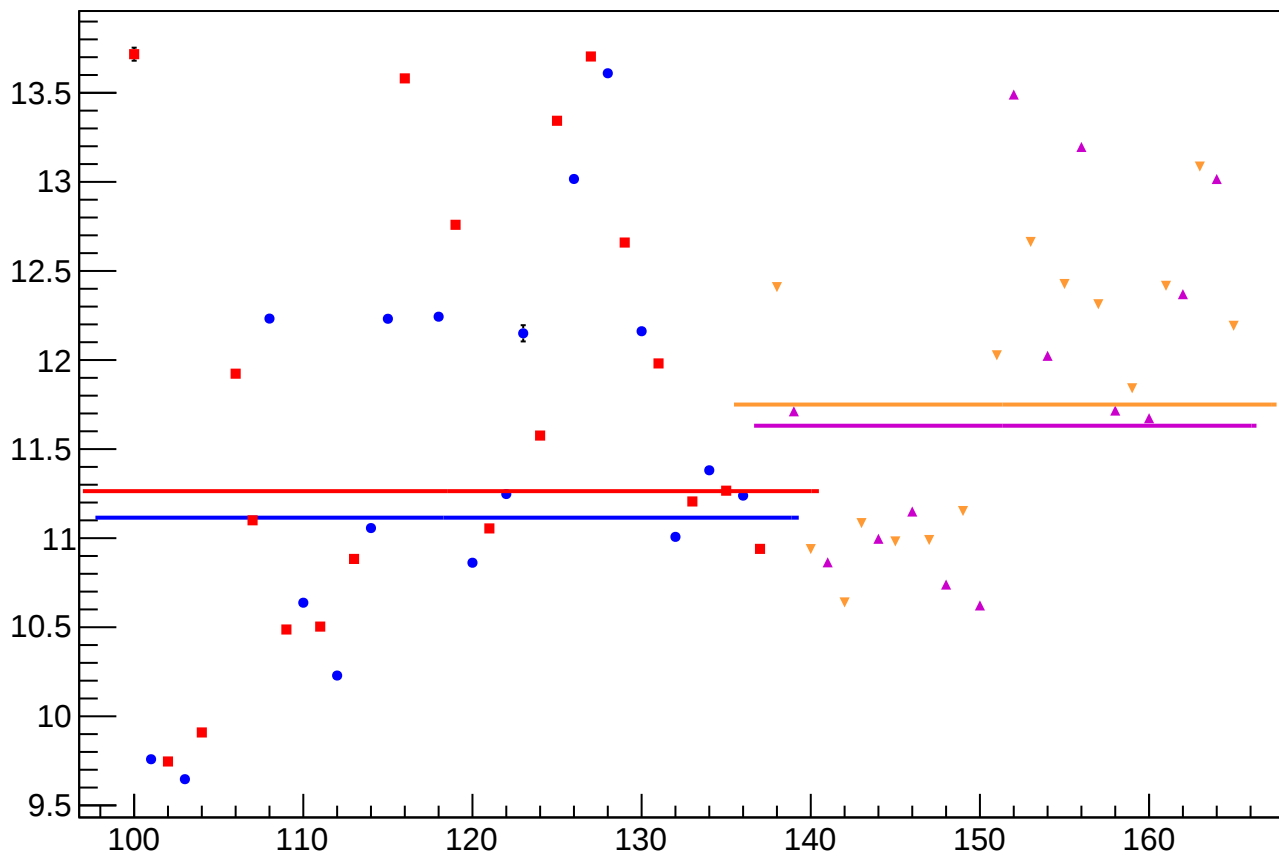
Left In: 2.945 ± 3.660 χ^2/NDF : 17.4/12

+ sign 0.553 ± 2.749 χ^2/NDF : 30.2/31

All: -1.942 ± 1.954 χ^2/NDF : 78.6/63

- 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: 11.750 $\pm$ 0.003 χ^2 /NDF: 84640.4/14

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

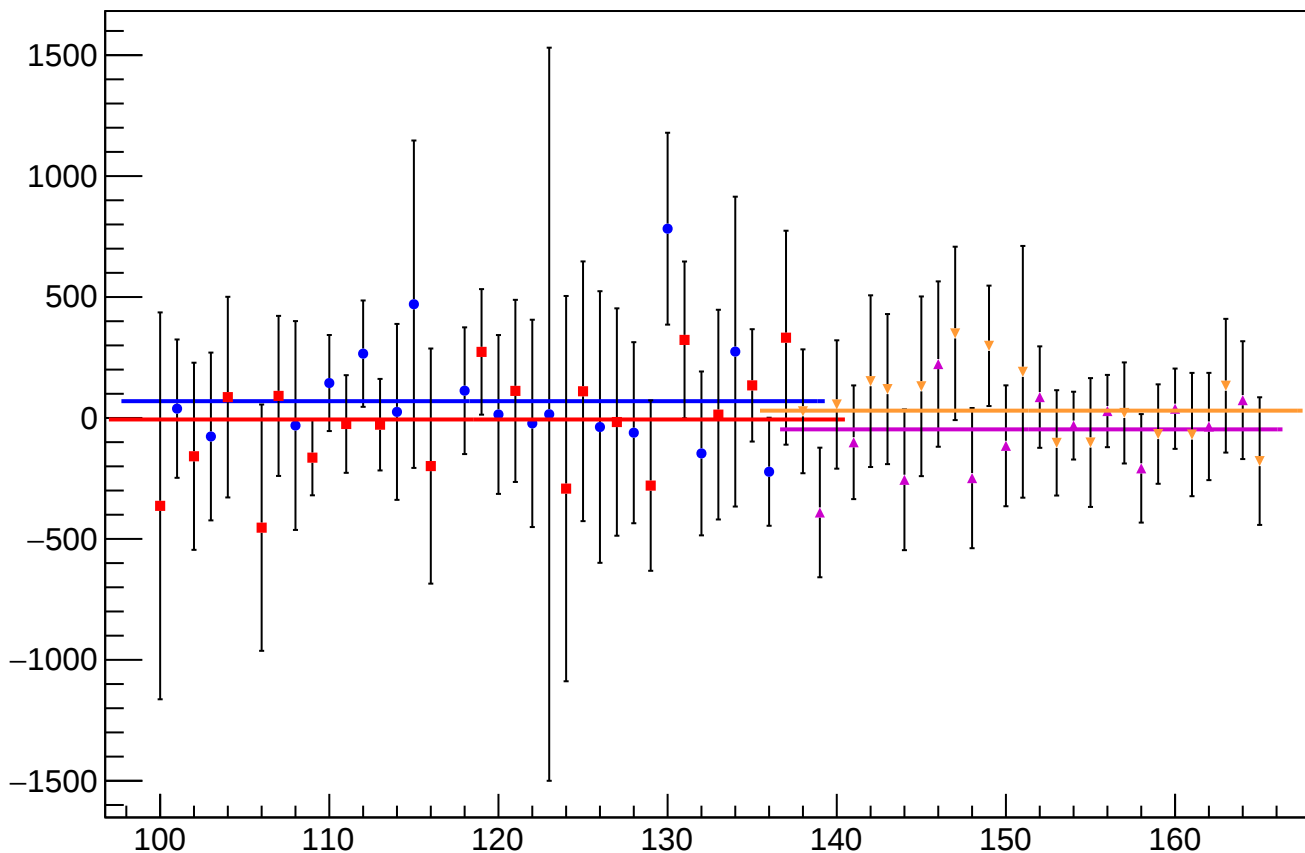
Left In: 11.631 $\pm$ 0.003 χ^2 /NDF: 116315.1/12

+ sign 11.494 $\pm$ 0.002 χ^2 /NDF: 243385.0/31

All: 11.485 $\pm$ 0.001 χ^2 /NDF: 515769.4/63

- 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: 30.309+/-69.462 χ^2/NDF : 4.1/14

Right Out: -6.194+/-70.182 χ^2/NDF : 6.5/18

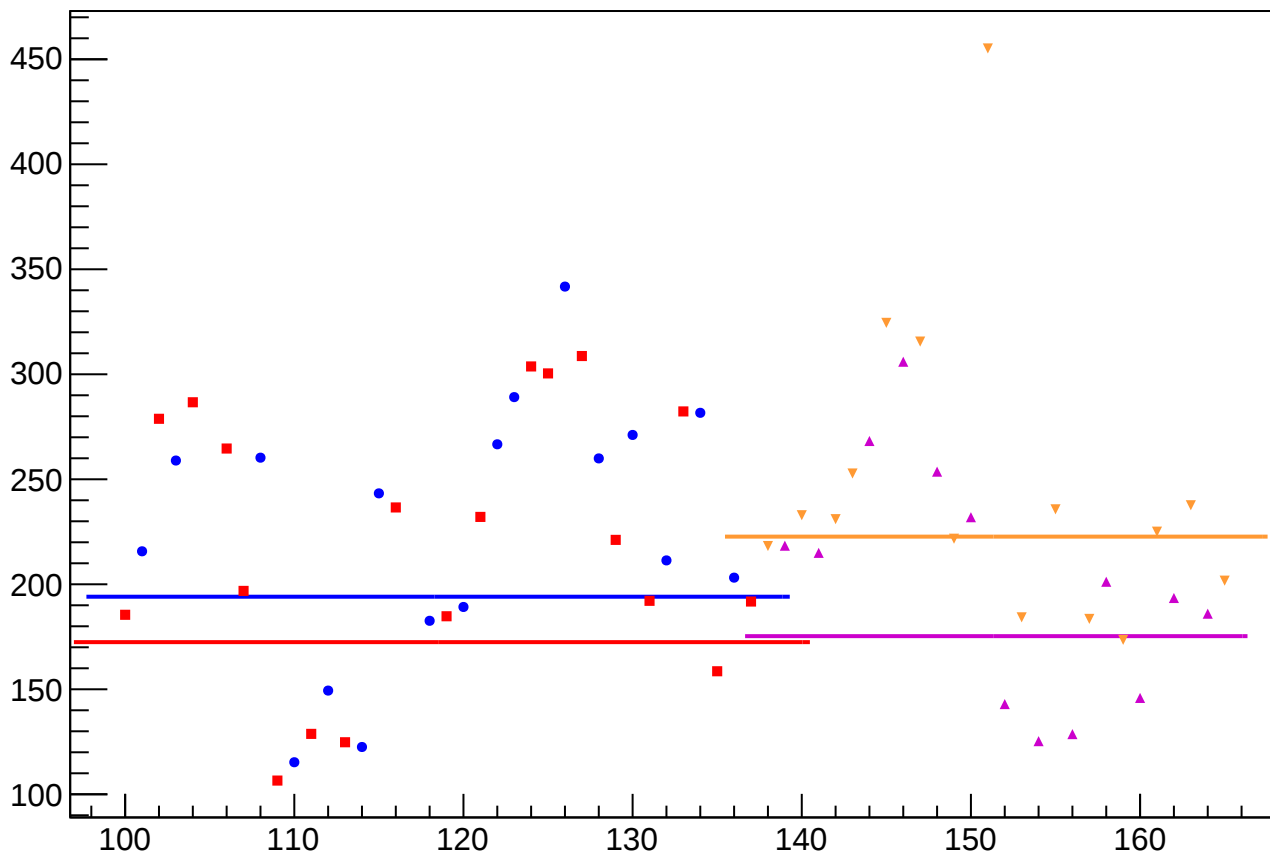
Left In: -47.108+/-58.507 χ^2/NDF : 5.1/12

+ sign 47.328+/-52.231 χ^2/NDF : 11.5/31

All: 2.702+/-34.066 χ^2/NDF : 24.5/63

- 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: 222.697 $\pm$ 0.049 χ^2 /NDF: 977476.8/14

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

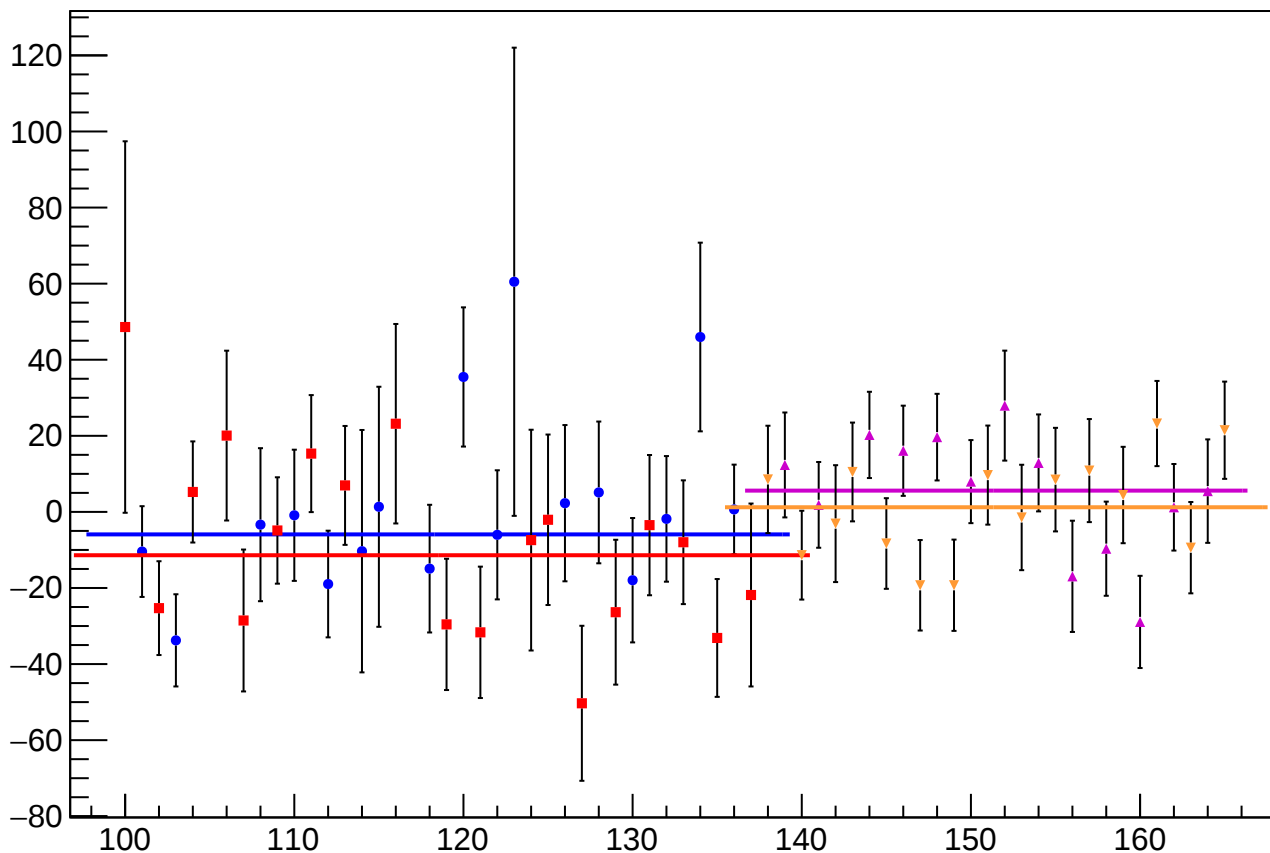
Left In: 175.303 $\pm$ 0.041 χ^2 /NDF: 1457753.5/12

+ sign 210.261 $\pm$ 0.037 χ^2 /NDF: 2130378.0/31

All: 189.502 $\pm$ 0.024 χ^2 /NDF: 5709360.2/63

- 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: 1.221 ± 3.282 χ^2/NDF : 17.0/14

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

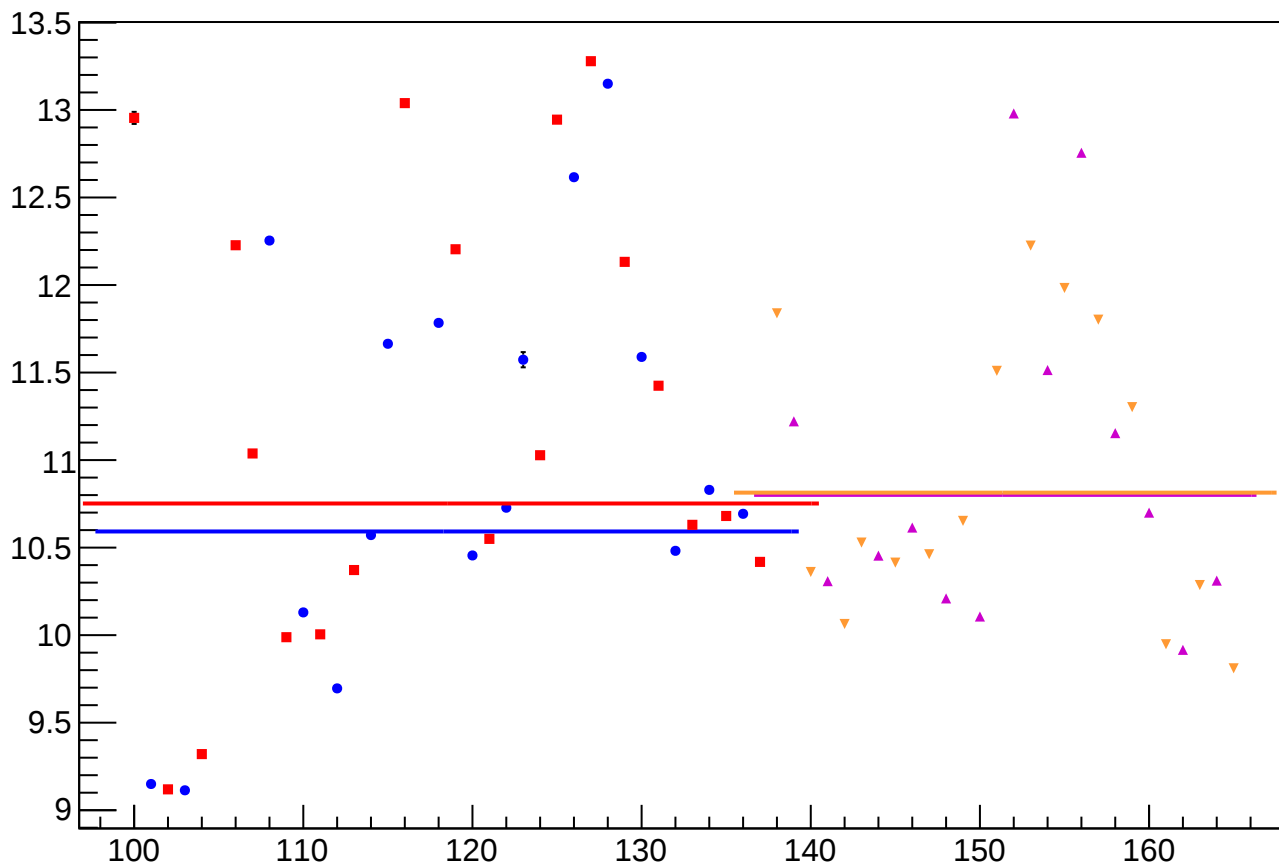
Left In: 5.594 ± 3.406 χ^2/NDF : 19.2/12

+ sign -1.538 ± 2.571 χ^2/NDF : 37.7/31

All: -1.462 ± 1.833 χ^2/NDF : 90.0/63

- 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: 10.814 $\pm$ 0.002 χ^2/NDF : 106629.0/14

Right Out: 10.752 $\pm$ 0.003 χ^2/NDF : 176895.3/18

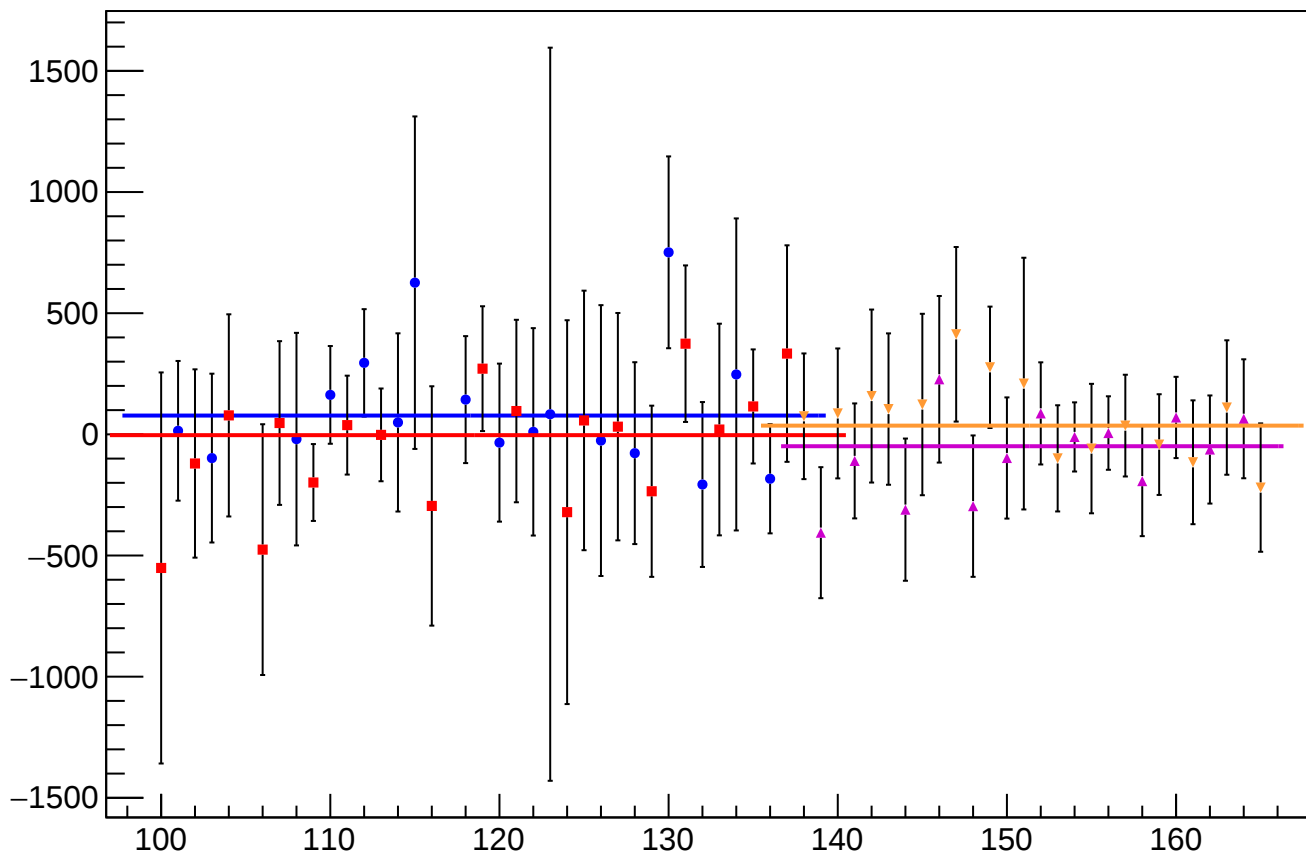
Left In: 10.801 $\pm$ 0.002 χ^2/NDF : 125444.9/12

+ sign 10.728 $\pm$ 0.002 χ^2/NDF : 270559.2/31

All: 10.754 $\pm$ 0.001 χ^2/NDF : 573484.9/63

- 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: 36.023 $\pm$ 69.911 χ^2 /NDF: 4.4/14

Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

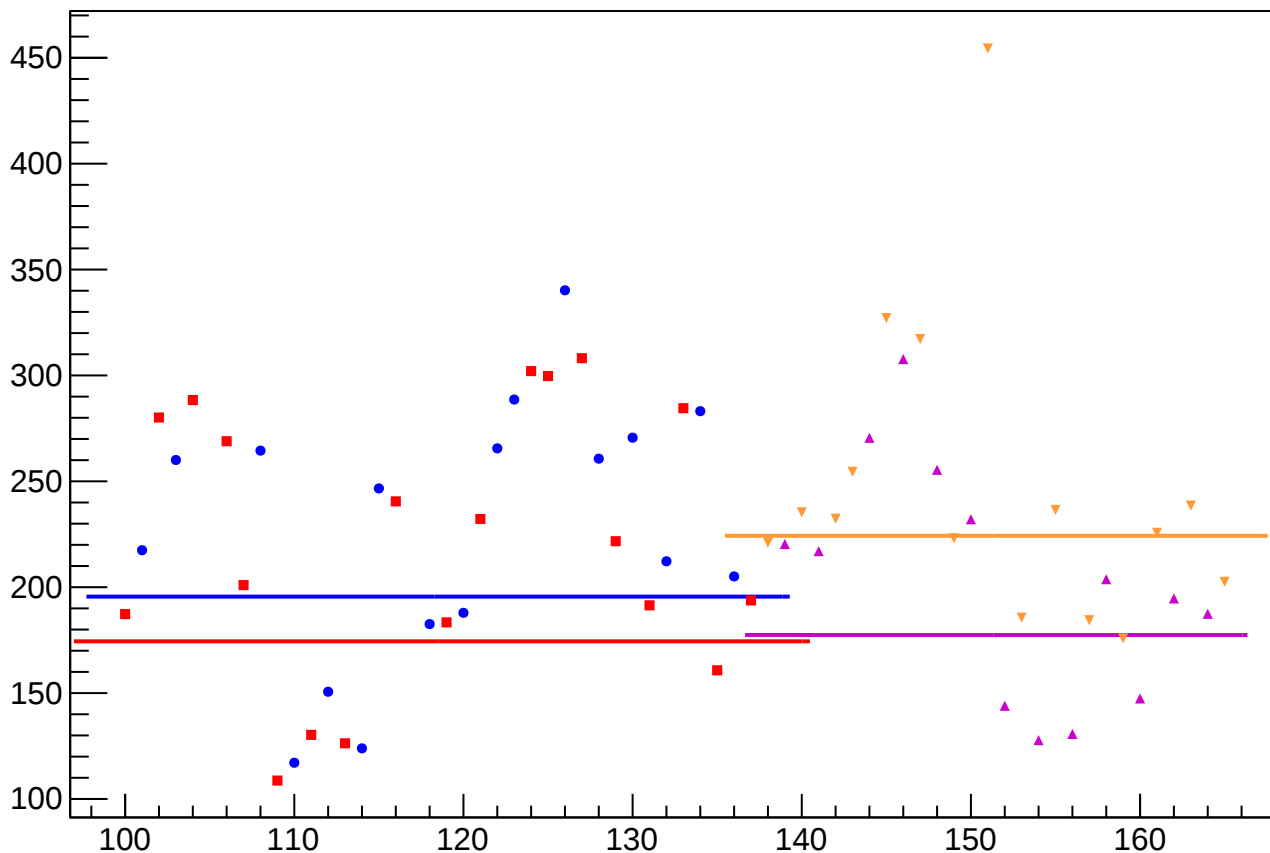
Left In: -49.001 $\pm$ 59.132 χ^2 /NDF: 5.7/12

+ sign 54.085 $\pm$ 52.571 χ^2 /NDF: 12.1/31

All: 5.782 $\pm$ 34.360 χ^2 /NDF: 26.9/63

- 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+/-0.056 χ^2/NDF : 979937.7/16

Left Out: 224.279+/-0.049 χ^2/NDF : 966092.3/14

Right Out: 174.449+/-0.050 χ^2/NDF : 1528629.1/18

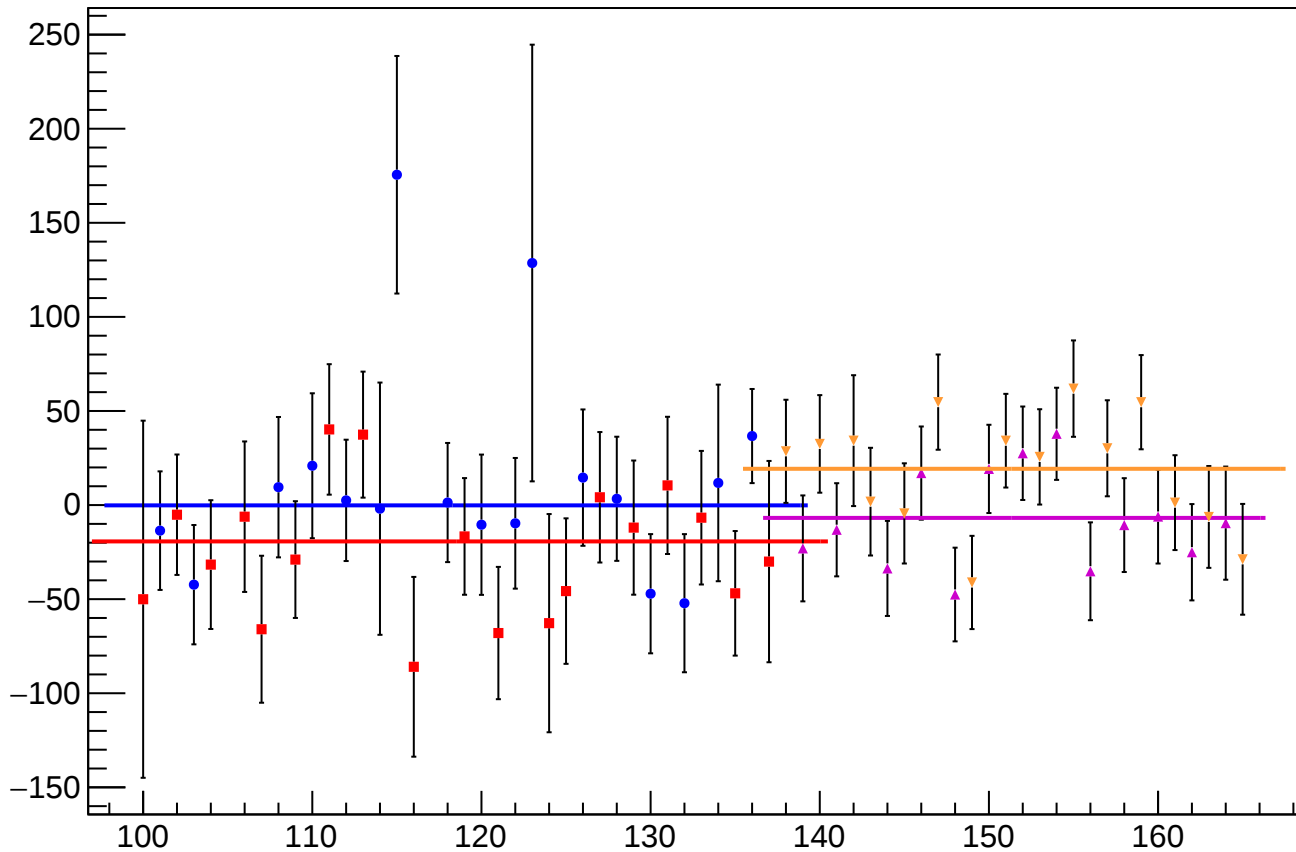
Left In: 177.440+/-0.042 χ^2/NDF : 1421951.3/12

+ sign 211.795+/-0.037 χ^2/NDF : 2092776.0/31

All: 191.413+/-0.024 χ^2/NDF : 5570304.6/63

- sign 176.212+/-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: 19.276 ± 6.837 χ^2/NDF : 19.1/14

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

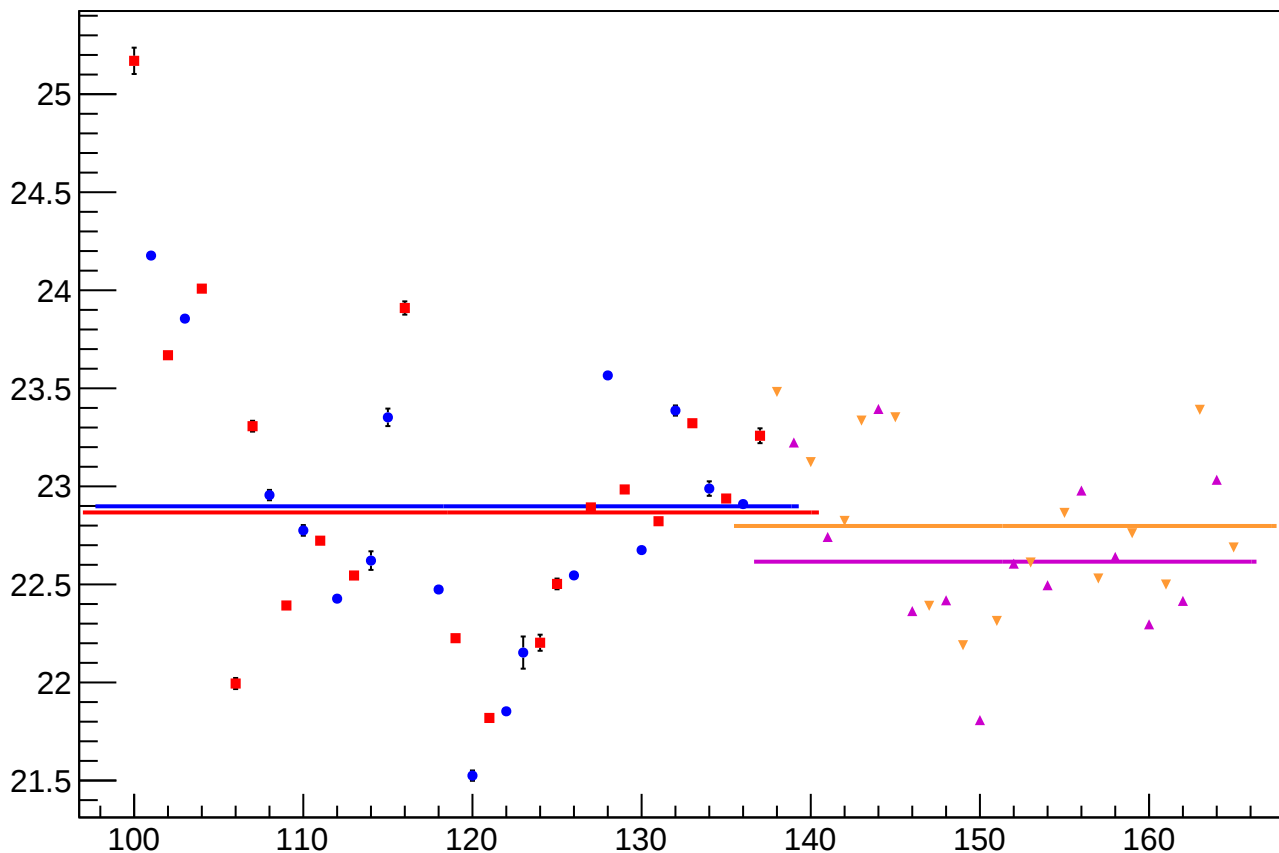
Left In: -6.818 ± 7.046 χ^2/NDF : 13.3/12

+ sign 11.988 ± 5.405 χ^2/NDF : 40.2/31

All: 0.133 ± 3.834 χ^2/NDF : 79.3/63

- 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: 22.798 $\pm$ 0.005 χ^2 /NDF: 7227.4/14

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

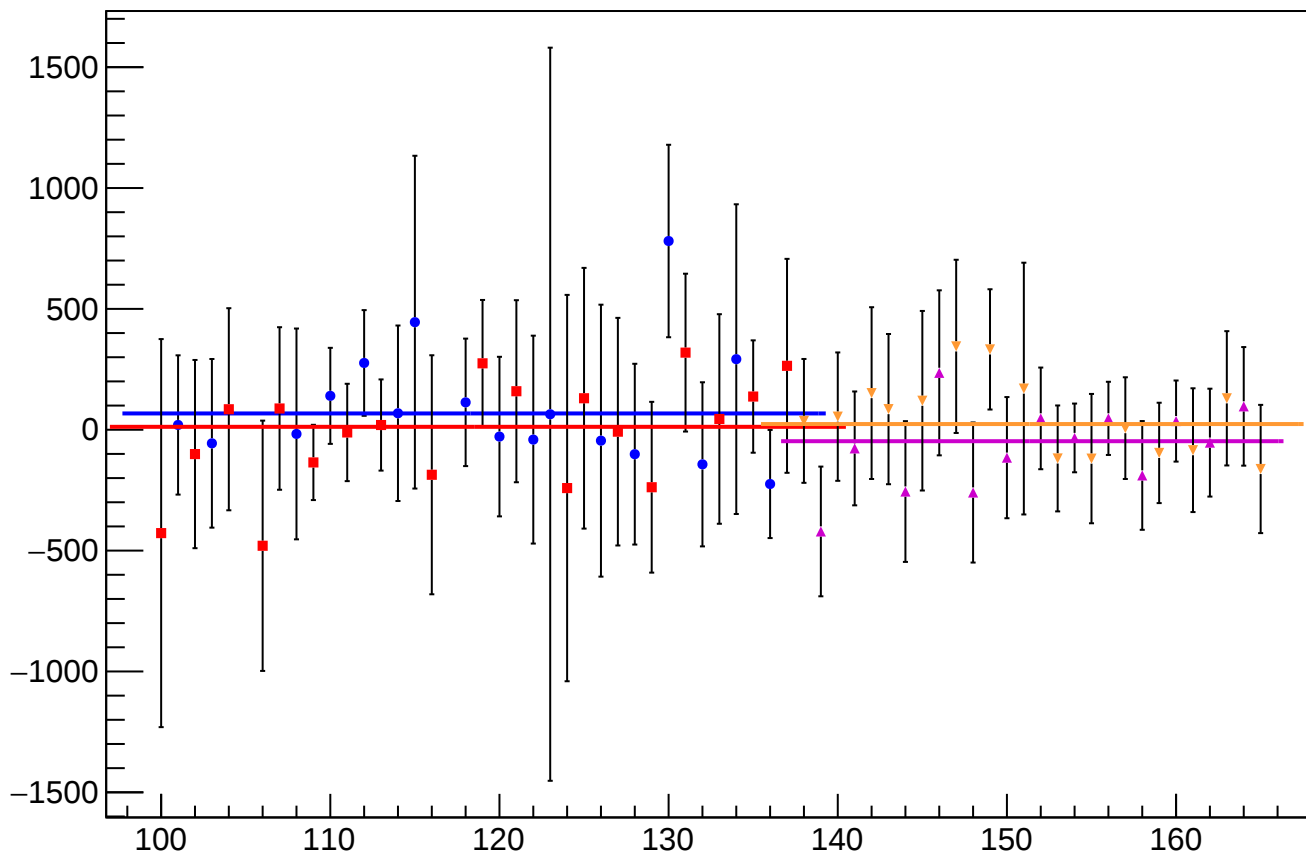
Left In: 22.616 $\pm$ 0.005 χ^2 /NDF: 6866.4/12

+ sign 22.836 $\pm$ 0.004 χ^2 /NDF: 19532.2/31

All: 22.777 $\pm$ 0.003 χ^2 /NDF: 38948.6/63

- 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+/-79.404 χ^2/NDF : 7.4/16

Left Out: 23.560+/-69.743 χ^2/NDF : 4.5/14

Right Out: 12.117+/-70.355 χ^2/NDF : 5.8/18

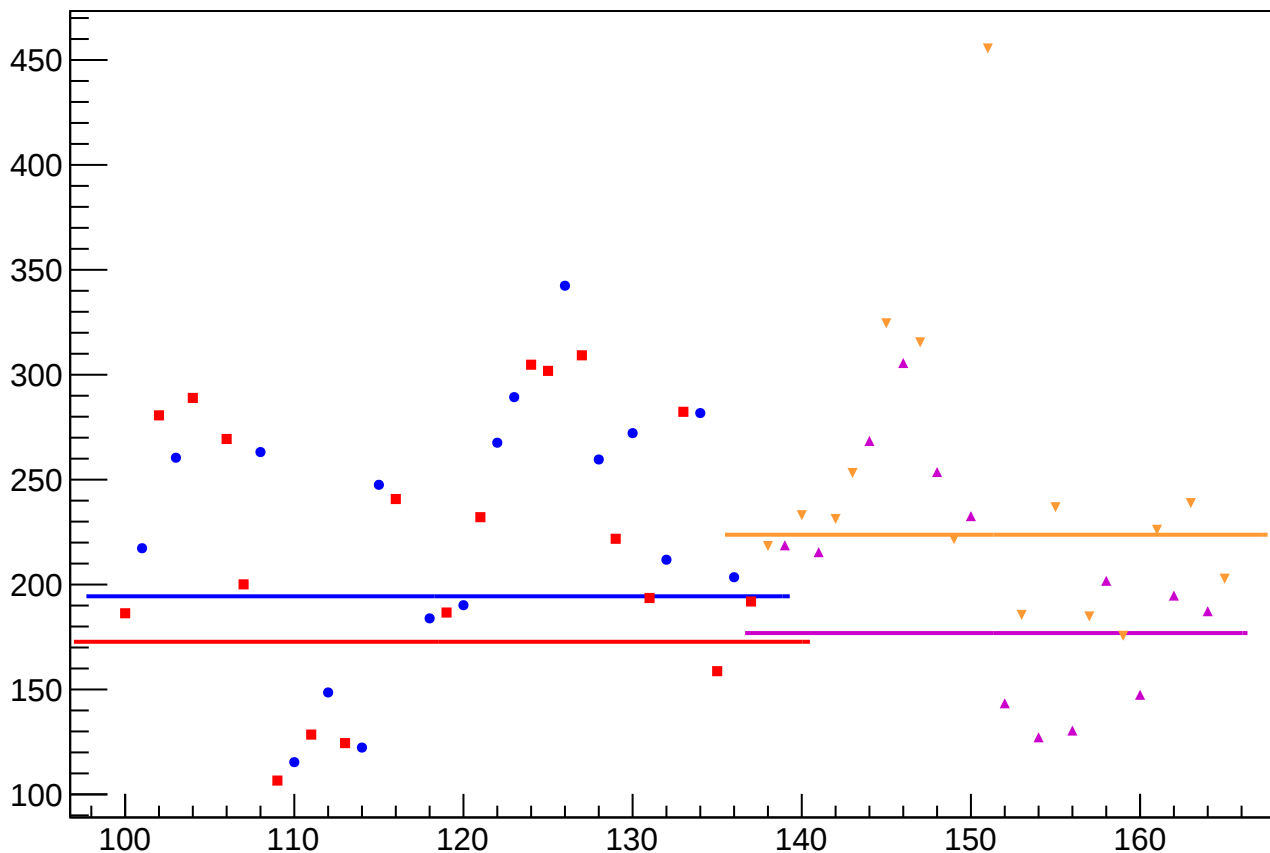
Left In: -47.381+/-58.944 χ^2/NDF : 5.3/12

+ sign 42.673+/-52.400 χ^2/NDF : 12.1/31

All: 5.096+/-34.218 χ^2/NDF : 24.5/63

- sign -22.842+/-45.182 χ^2/NDF : 11.5/31

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411+/-0.056 χ^2/NDF : 1019913.2/16

Left Out: 223.757+/-0.049 χ^2/NDF : 956880.2/14

Right Out: 172.730+/-0.050 χ^2/NDF : 1596758.0/18

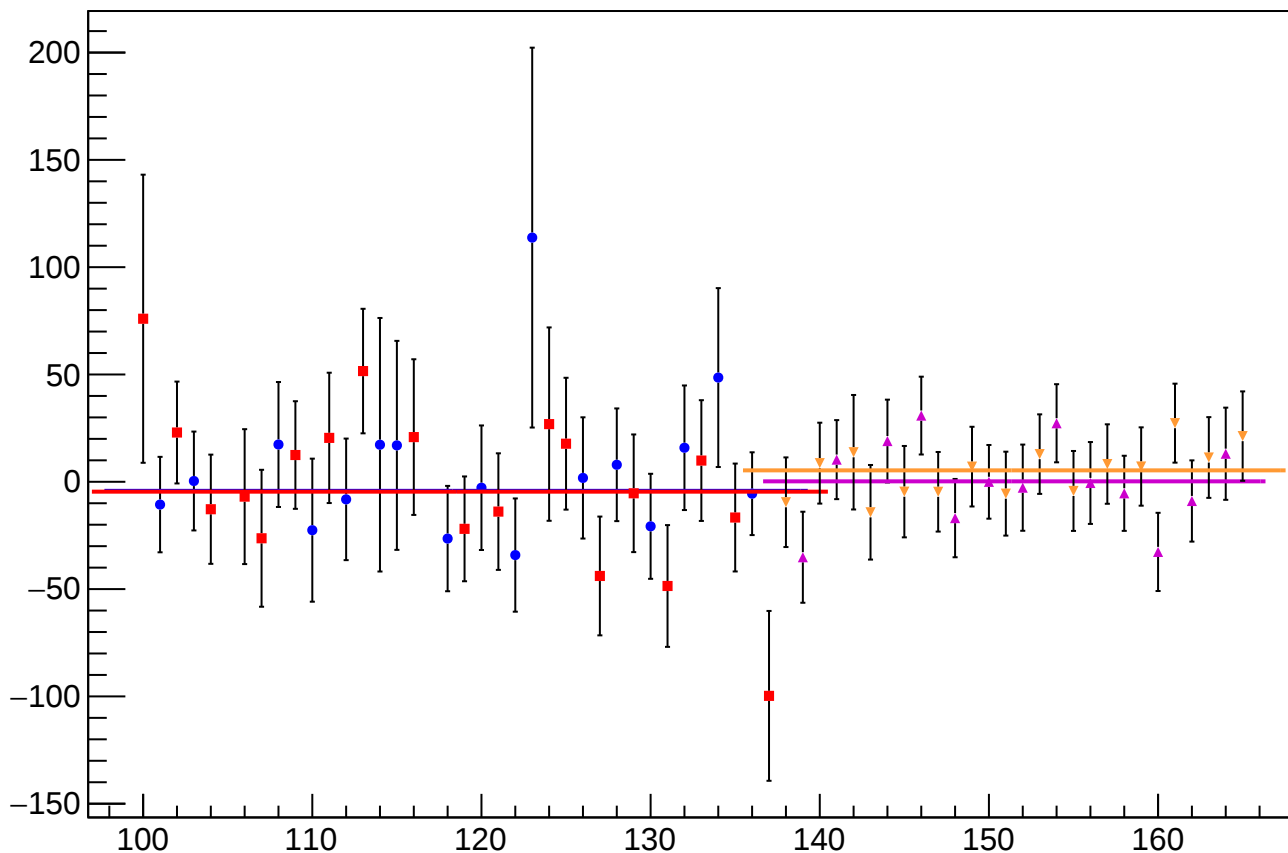
Left In: 176.886+/-0.042 χ^2/NDF : 1408858.1/12

+ sign 210.977+/-0.037 χ^2/NDF : 2131005.5/31

All: 190.440+/-0.024 χ^2/NDF : 5676309.2/63

- sign 175.172+/-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: 5.323 ± 5.064 χ^2/NDF : 4.8/14

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

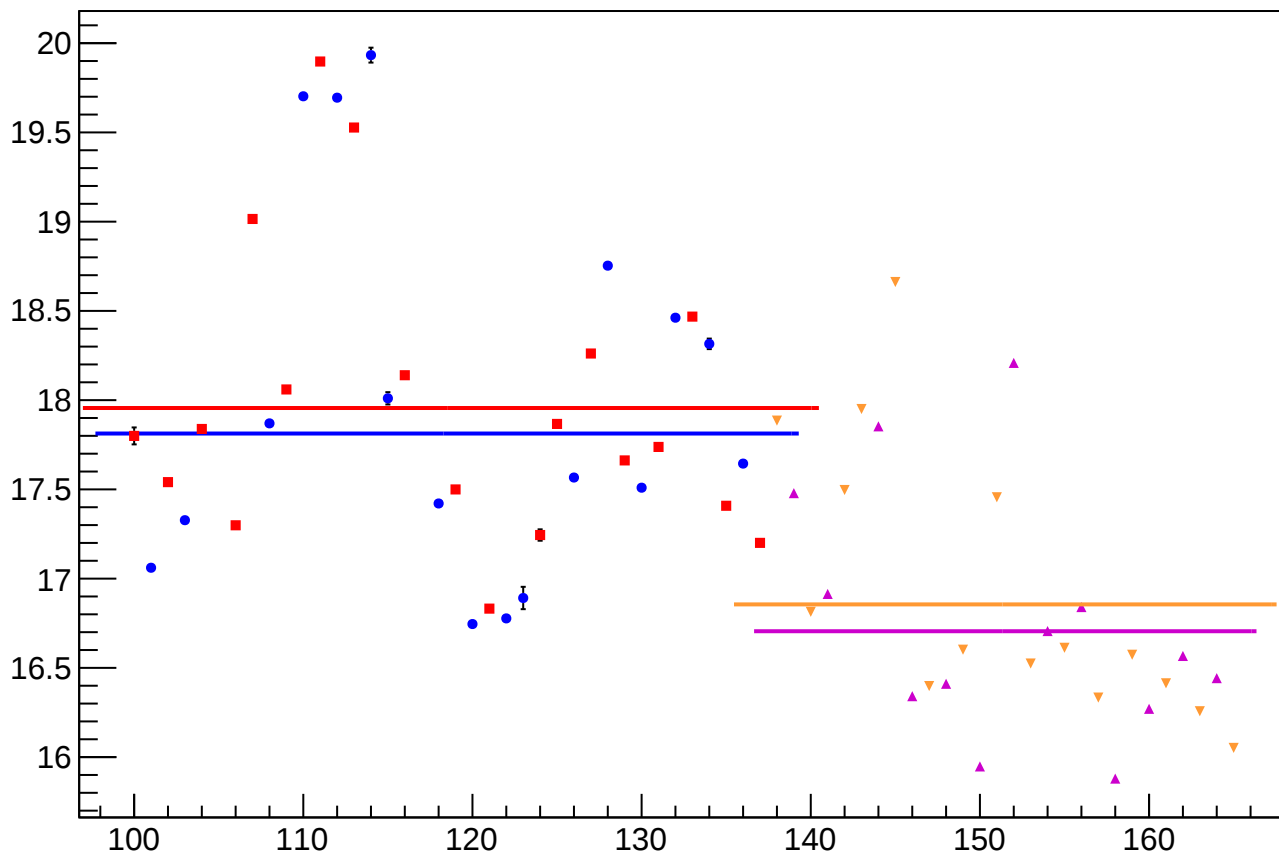
Left In: 0.205 ± 5.214 χ^2/NDF : 14.0/12

+ sign 1.963 ± 4.076 χ^2/NDF : 14.1/31

All: 0.202 ± 2.898 χ^2/NDF : 49.8/63

- 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+/-0.005 χ^2/NDF : 32034.8/16

Left Out: 16.856+/-0.004 χ^2/NDF : 38037.0/14

Right Out: 17.956+/-0.005 χ^2/NDF : 25445.3/18

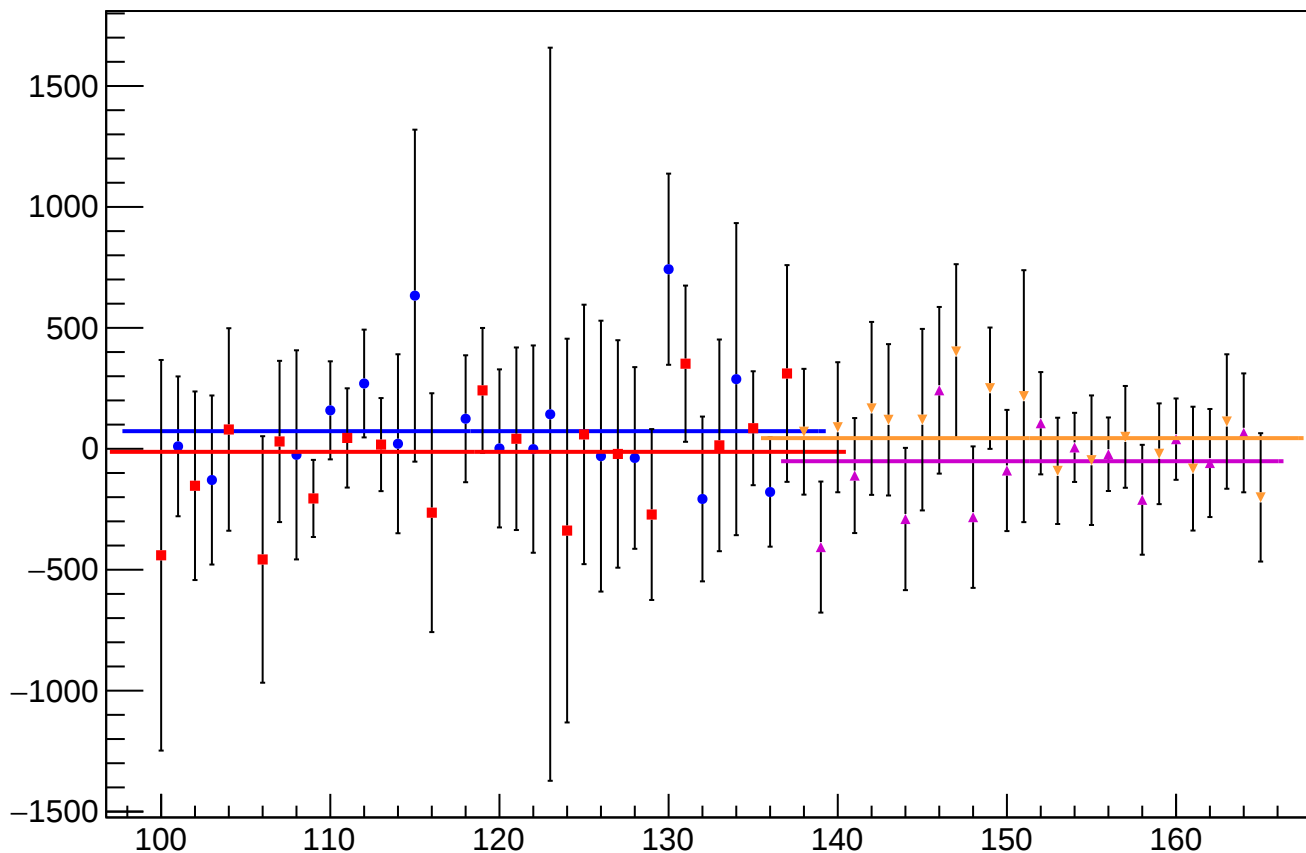
Left In: 16.705+/-0.004 χ^2/NDF : 32524.4/12

+ sign 17.193+/-0.003 χ^2/NDF : 95231.3/31

All: 17.184+/-0.002 χ^2/NDF : 196419.0/63

- sign 17.175+/-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: 44.093 $\pm$ 70.068 χ^2 /NDF: 3.8/14

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

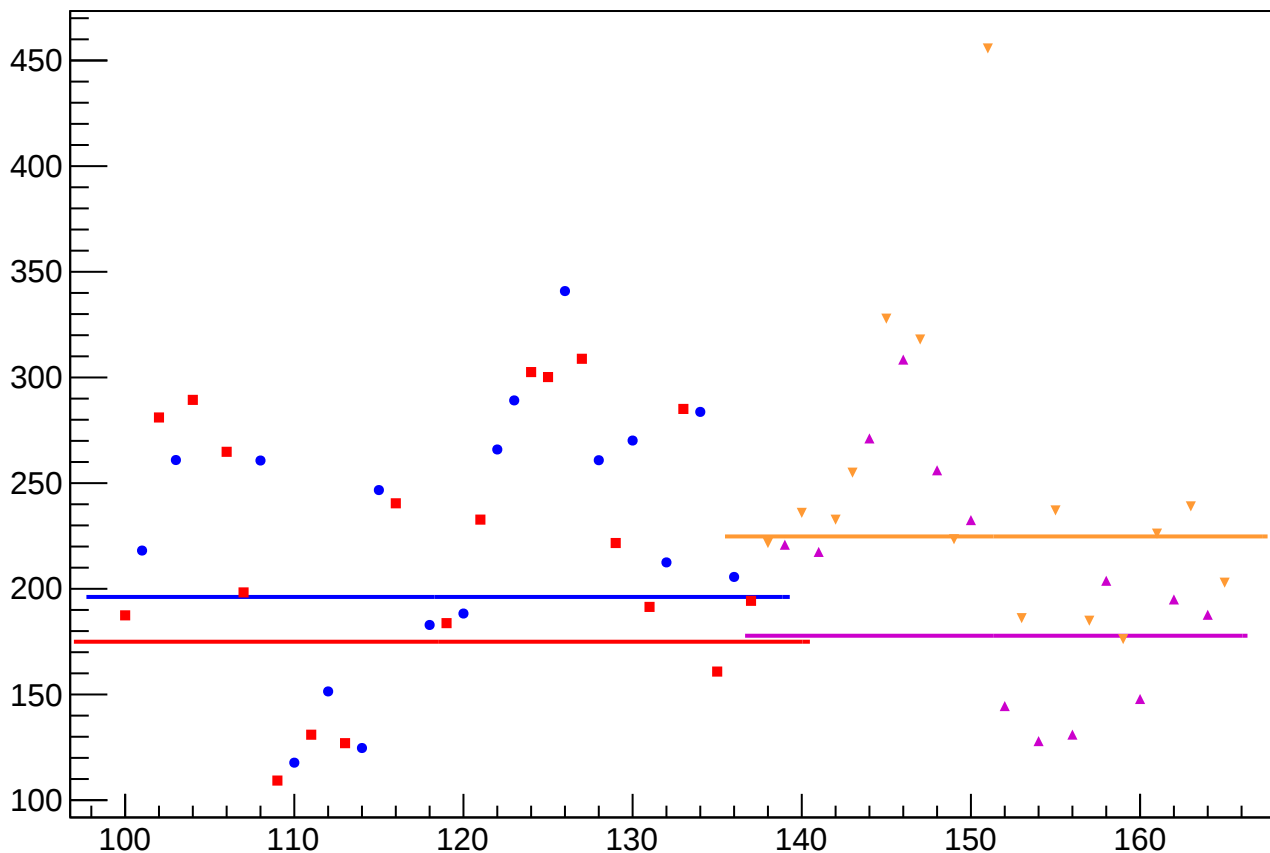
Left In: -51.343 $\pm$ 59.251 χ^2 /NDF: 5.6/12

+ sign 56.602 $\pm$ 52.694 χ^2 /NDF: 11.1/31

All: 3.875 $\pm$ 34.436 χ^2 /NDF: 25.3/63

- 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: 224.779 $\pm$ 0.050 χ^2 /NDF: 966142.3/14

Right Out: 174.965 $\pm$ 0.050 χ^2 /NDF: 1510956.5/18

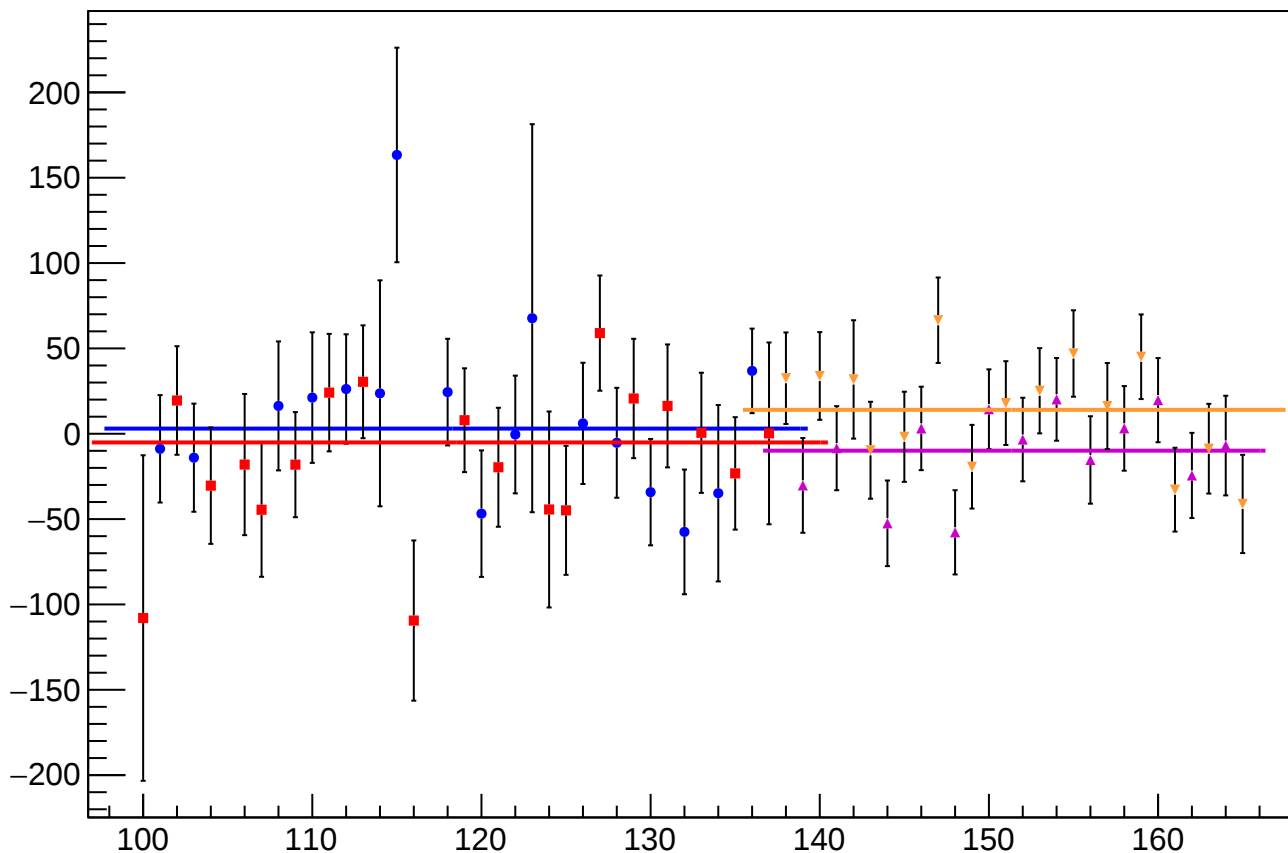
Left In: 177.797 $\pm$ 0.042 χ^2 /NDF: 1421166.0/12

+ sign 212.342 $\pm$ 0.037 χ^2 /NDF: 2076177.9/31

All: 191.884 $\pm$ 0.024 χ^2 /NDF: 5536349.1/63

- 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 ± 8.751 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 14.016 ± 6.741 $\chi^2/\text{NDF}: 20.2/14$

Right Out: -5.092 ± 8.477 $\chi^2/\text{NDF}: 17.2/18$

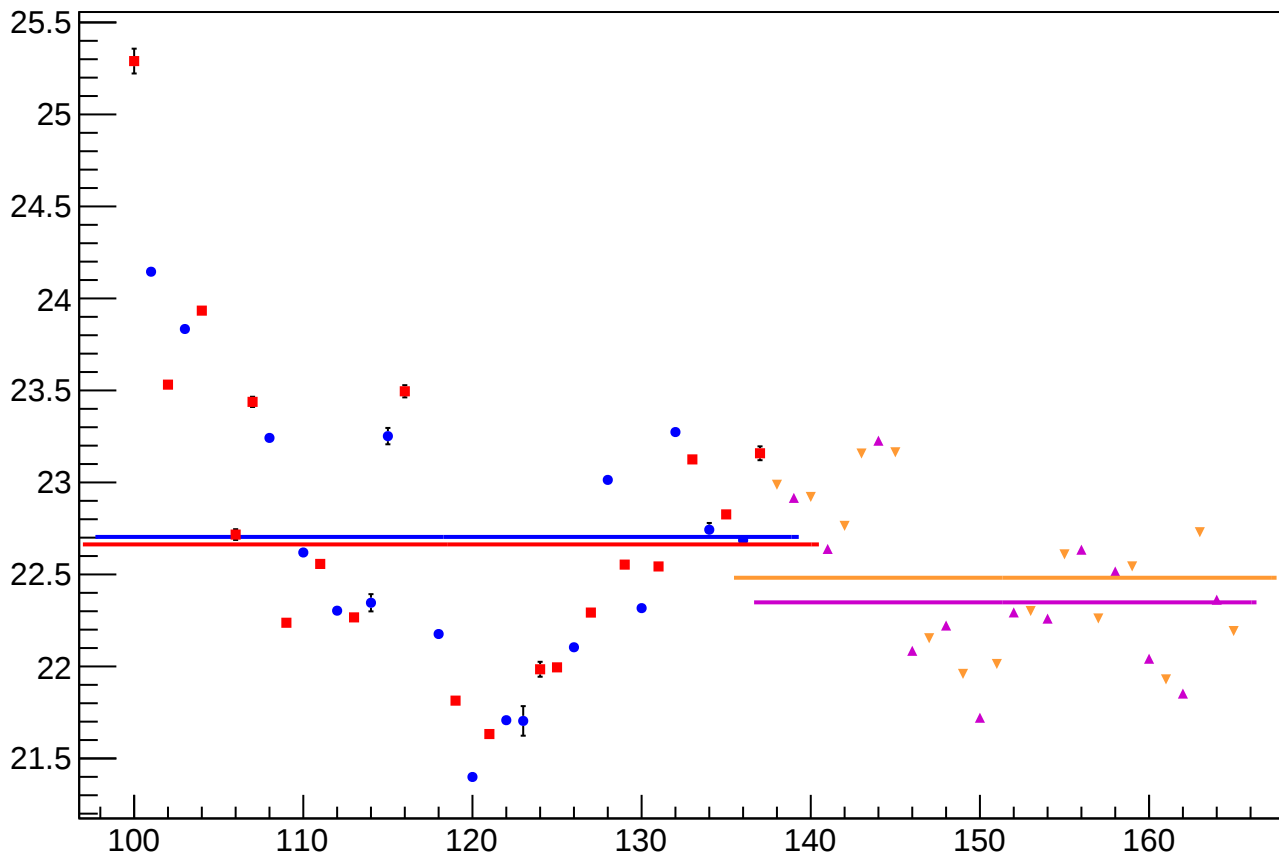
Left In: -9.907 ± 6.962 $\chi^2/\text{NDF}: 12.3/12$

+ sign 9.922 ± 5.340 $\chi^2/\text{NDF}: 38.3/31$

All: 1.043 ± 3.790 $\chi^2/\text{NDF}: 73.6/63$

- sign -7.968 ± 5.380 $\chi^2/\text{NDF}: 29.6/31$

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: 22.482 $\pm$ 0.005 χ^2 /NDF: 7585.7/14

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

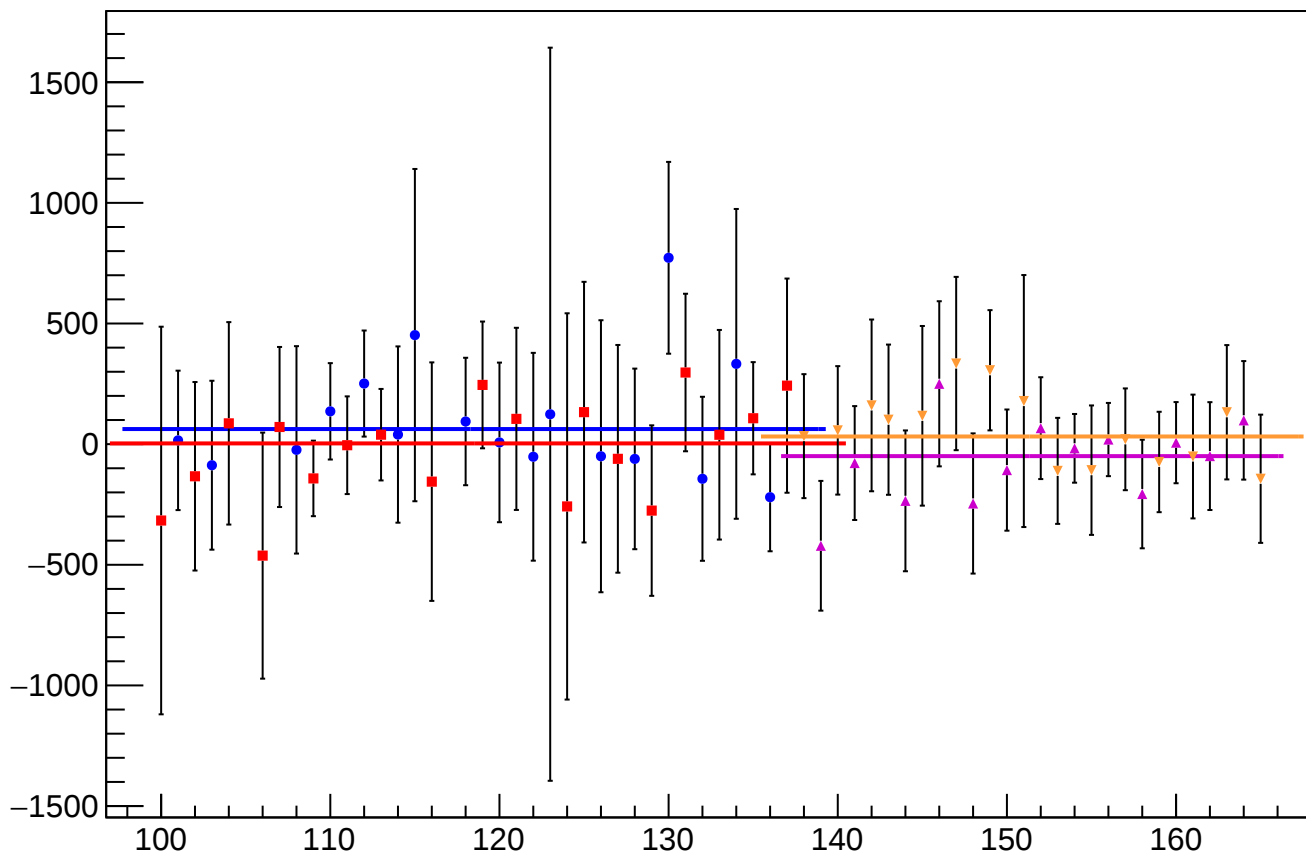
Left In: 22.348 $\pm$ 0.005 χ^2 /NDF: 6770.5/12

+ sign 22.565 $\pm$ 0.004 χ^2 /NDF: 22498.4/31

All: 22.520 $\pm$ 0.003 χ^2 /NDF: 44139.4/63

- 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: 31.717+/-69.899 χ^2/NDF : 3.9/14

Right Out: 3.038+/-70.518 χ^2/NDF : 5.2/18

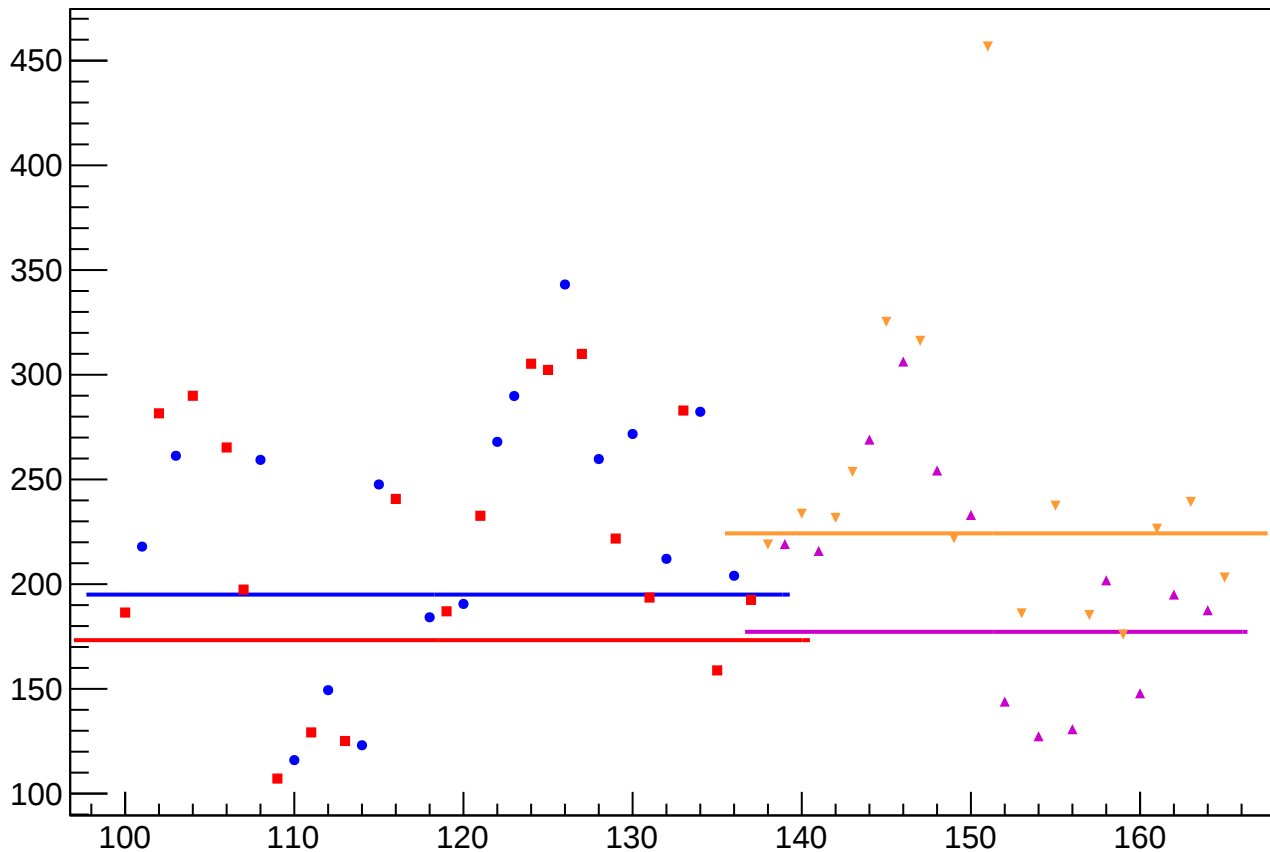
Left In: -49.665+/-59.061 χ^2/NDF : 5.1/12

+ sign 45.150+/-52.524 χ^2/NDF : 11.0/31

All: 3.222+/-34.295 χ^2/NDF : 22.8/63

- 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: 224.255 $\pm$ 0.049 χ^2 /NDF: 956948.9/14

Right Out: 173.262 $\pm$ 0.050 χ^2 /NDF: 1578202.7/18

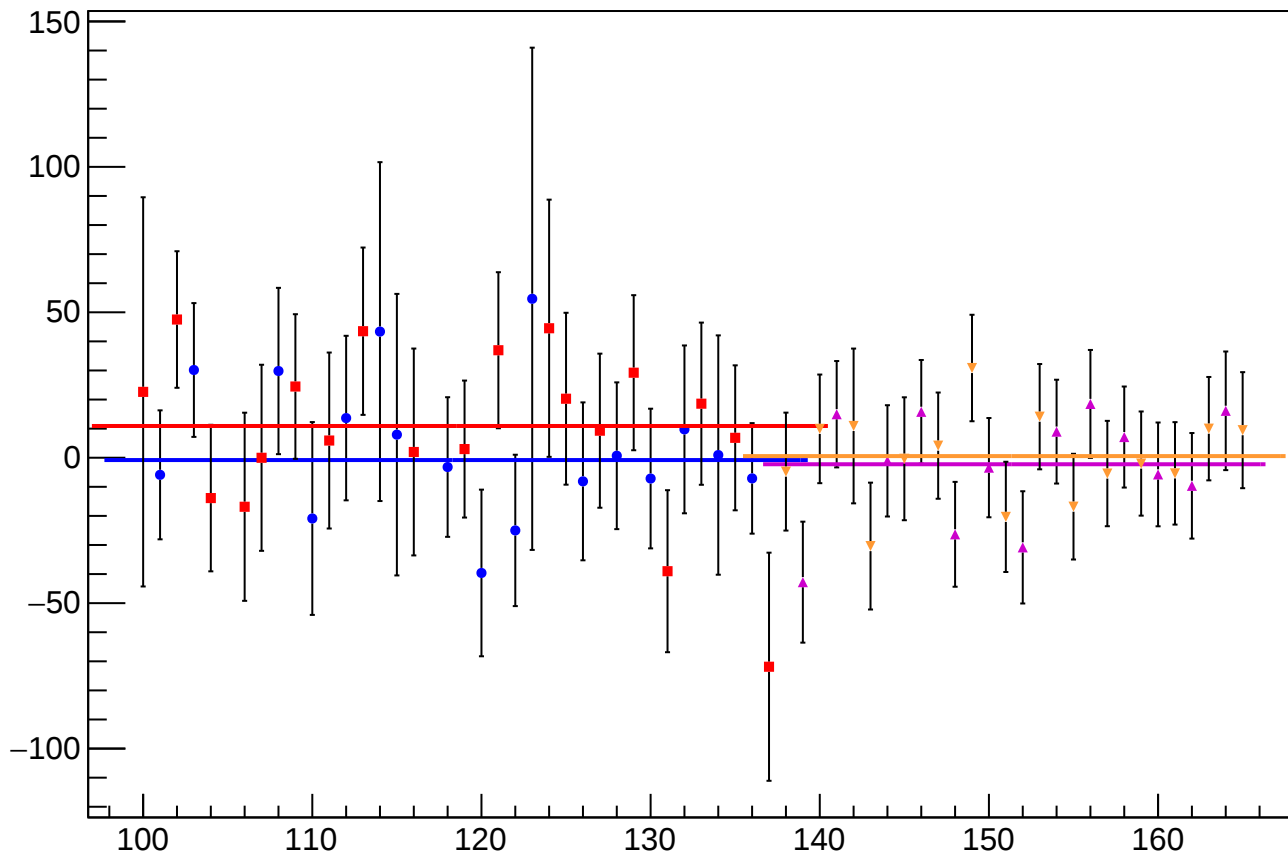
Left In: 177.241 $\pm$ 0.042 χ^2 /NDF: 1408152.5/12

+ sign 211.528 $\pm$ 0.037 χ^2 /NDF: 2113529.3/31

All: 190.917 $\pm$ 0.024 χ^2 /NDF: 5640480.5/63

- 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 ± 6.770 χ^2/NDF : 7.8/16

Left Out: 0.560 ± 4.940 χ^2/NDF : 8.7/14

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

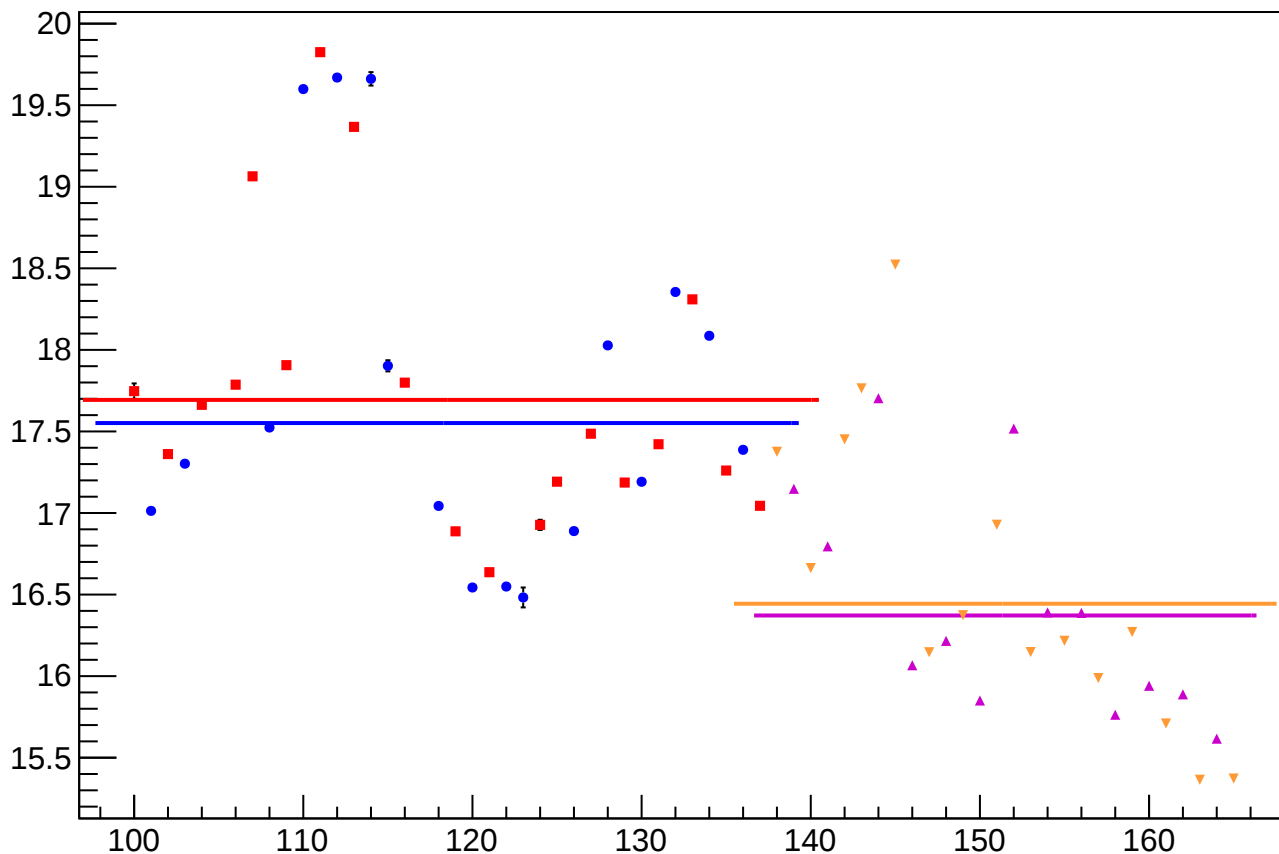
Left In: -2.245 ± 5.108 χ^2/NDF : 12.6/12

+ sign 0.087 ± 3.991 χ^2/NDF : 16.5/31

All: 1.355 ± 2.841 χ^2/NDF : 47.7/63

- sign 2.659 ± 4.046 χ^2/NDF : 31.1/31

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 ± 0.005 χ^2/NDF : 34027.1/16

Left Out: 16.444 ± 0.003 χ^2/NDF : 54842.2/14

Right Out: 17.693 ± 0.005 χ^2/NDF : 30742.0/18

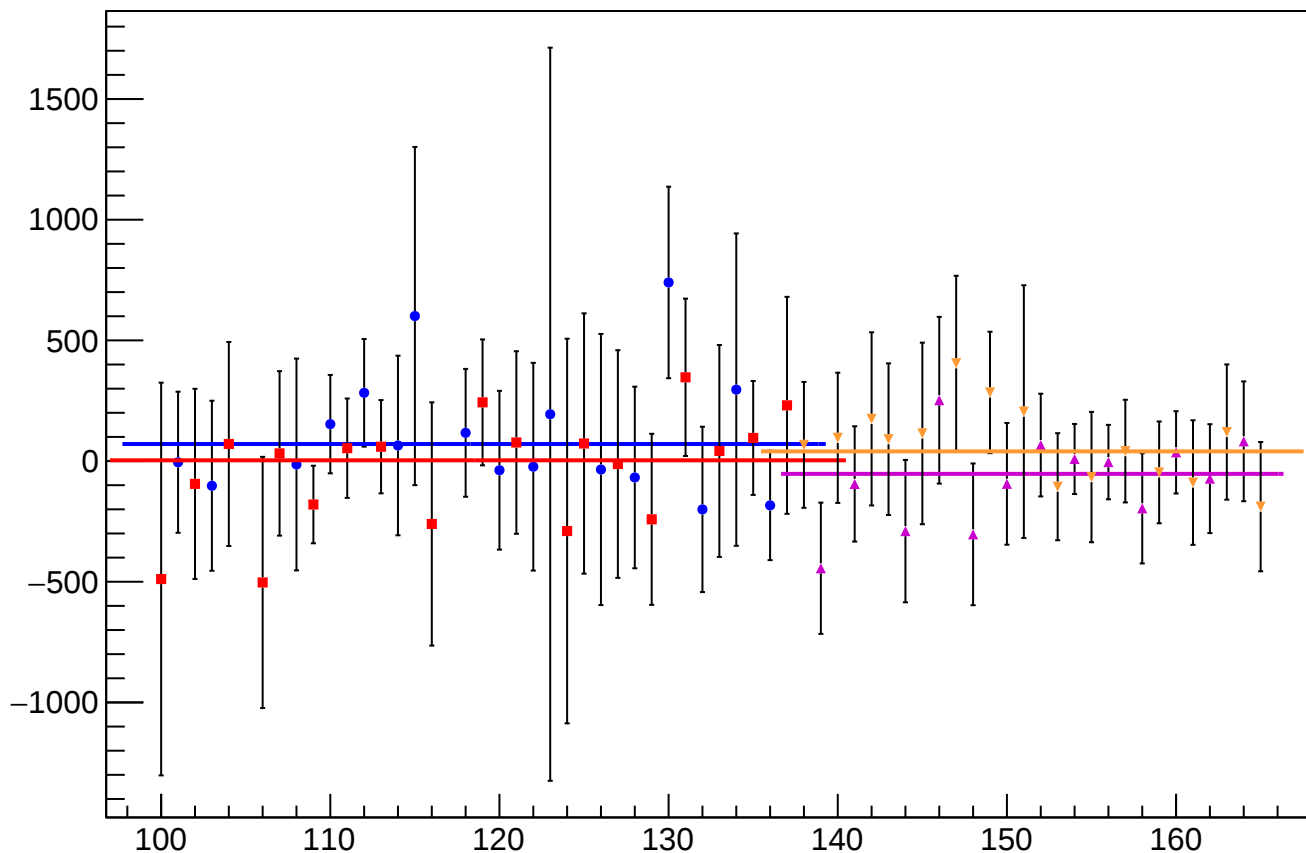
Left In: 16.372 ± 0.004 χ^2/NDF : 31001.5/12

+ sign 16.829 ± 0.003 χ^2/NDF : 123808.7/31

All: 16.846 ± 0.002 χ^2/NDF : 235530.1/63

- sign 16.864 ± 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: 40.202+/-70.561 χ^2/NDF : 4.1/14

Right Out: 3.063+/-71.508 χ^2/NDF : 6.2/18

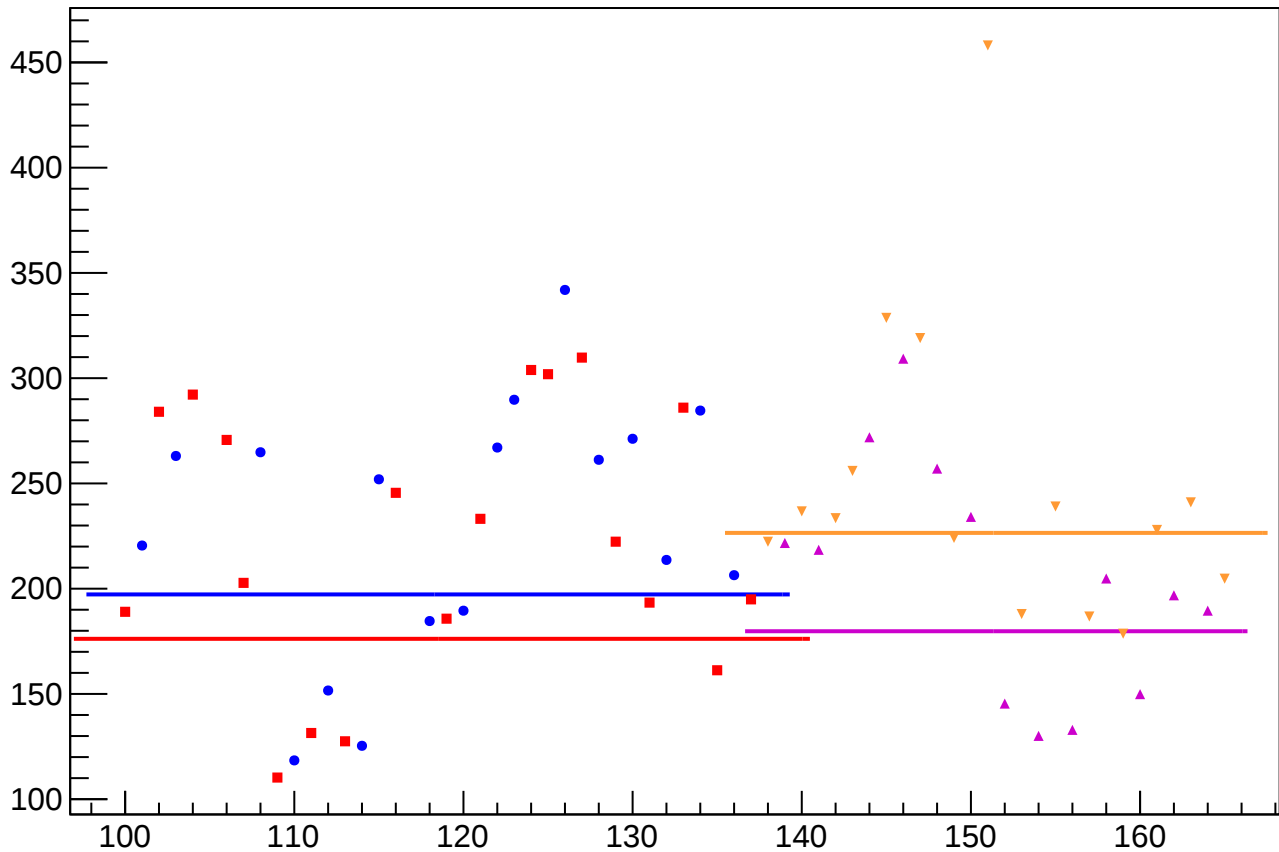
Left In: -53.041+/-59.834 χ^2/NDF : 5.8/12

+ sign 53.441+/-53.036 χ^2/NDF : 11.4/31

All: 5.760+/-34.702 χ^2/NDF : 25.2/63

- 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: 226.502 $\pm$ 0.050 χ^2 /NDF: 947408.5/14

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

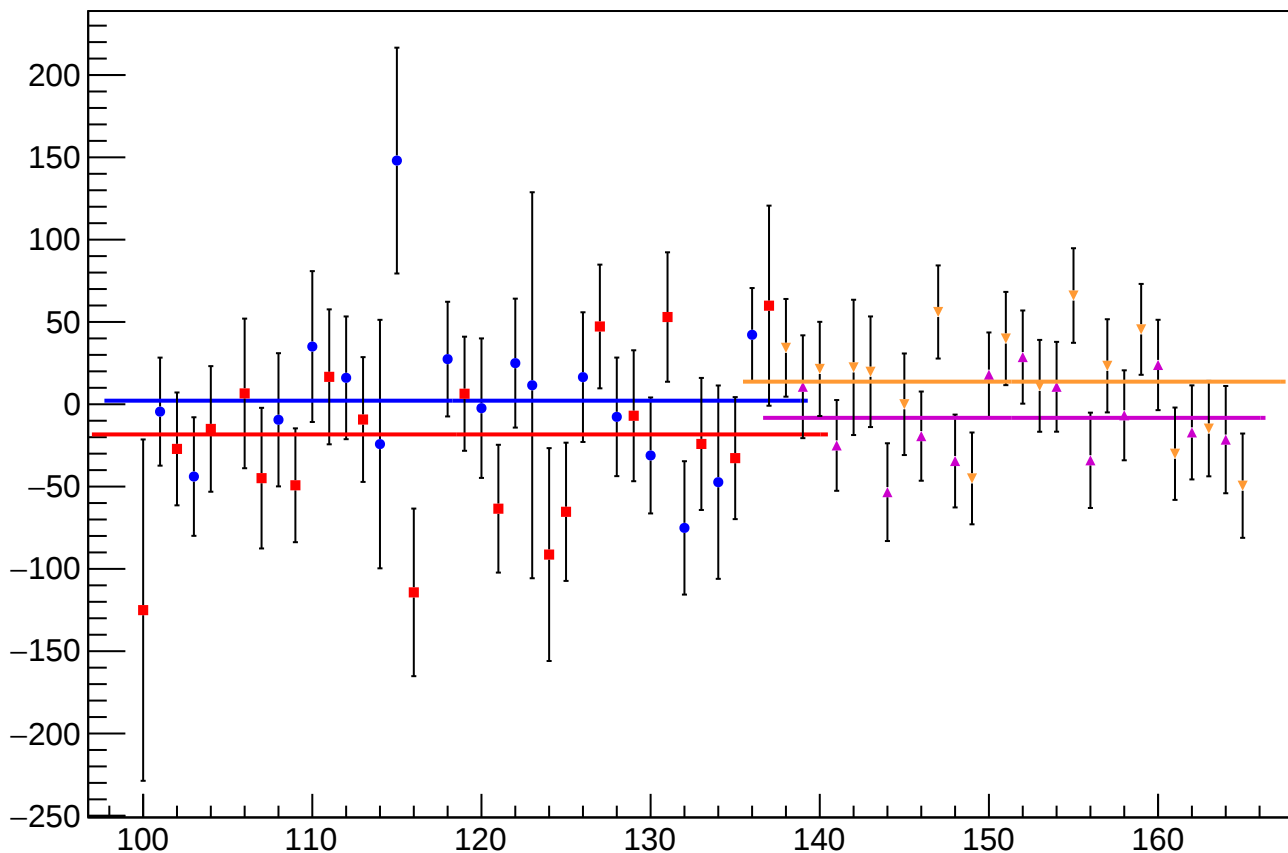
Left In: 179.783 $\pm$ 0.042 χ^2 /NDF: 1378861.2/12

+ sign 213.785 $\pm$ 0.038 χ^2 /NDF: 2066278.4/31

All: 193.492 $\pm$ 0.025 χ^2 /NDF: 5479872.7/63

- 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 χ^2/NDF : 15.4/16

Left Out: 13.740 ± 7.628 χ^2/NDF : 20.5/14

Right Out: -18.320 ± 9.497 χ^2/NDF : 19.6/18

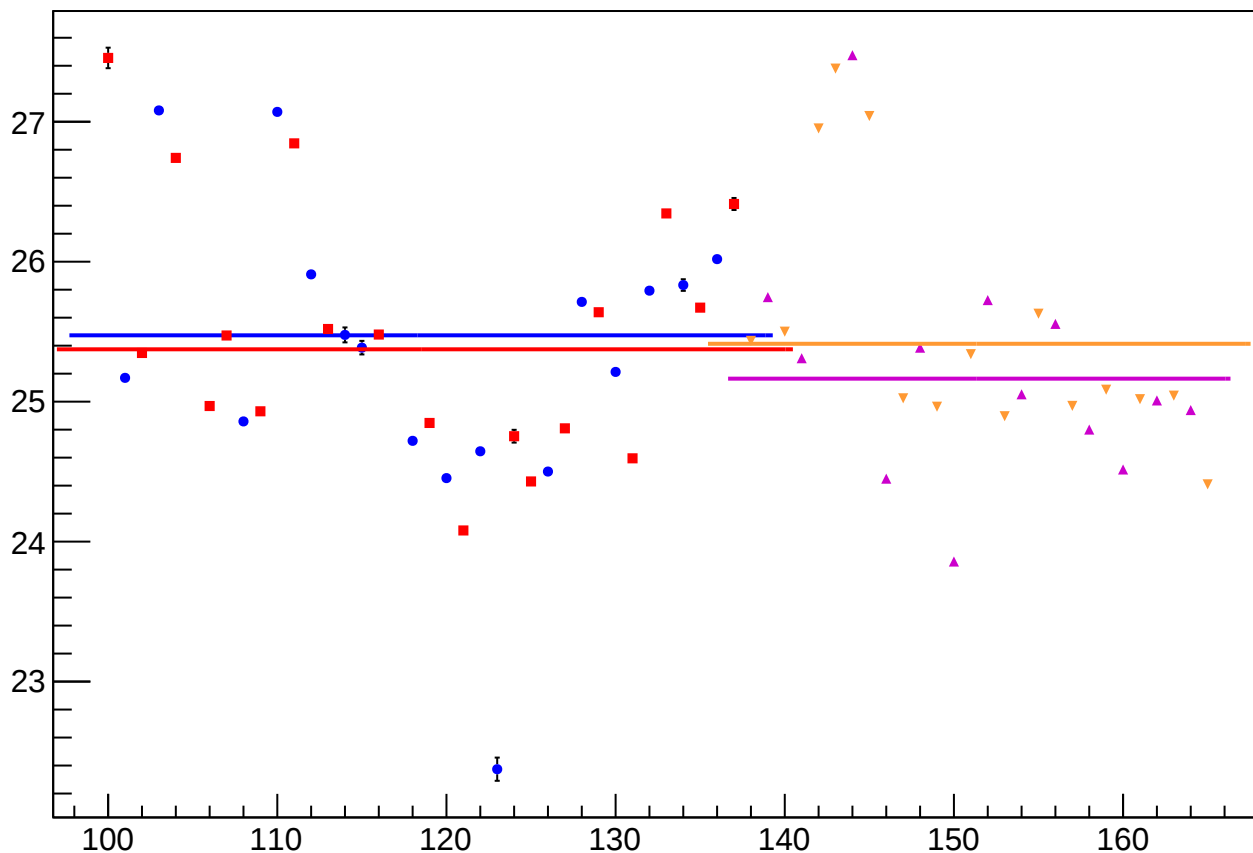
Left In: -8.254 ± 7.849 χ^2/NDF : 9.7/12

+ sign 9.391 ± 6.025 χ^2/NDF : 36.7/31

All: -1.429 ± 4.269 χ^2/NDF : 73.2/63

- sign -12.339 ± 6.050 χ^2/NDF : 30.0/31

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474 $\pm$ 0.007 χ^2 /NDF: 14061.2/16

Left Out: 25.413 $\pm$ 0.005 χ^2 /NDF: 20461.1/14

Right Out: 25.374 $\pm$ 0.007 χ^2 /NDF: 13581.2/18

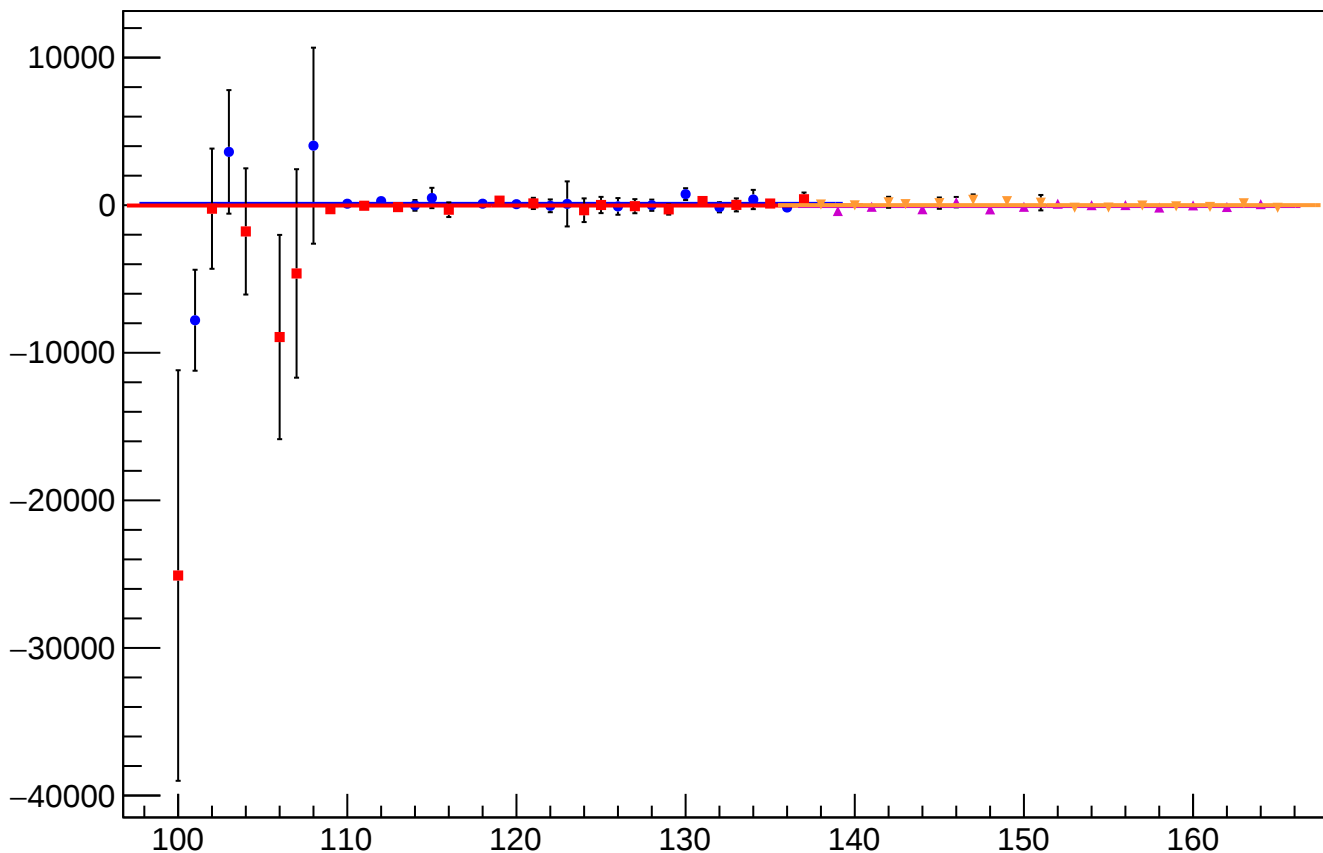
Left In: 25.164 $\pm$ 0.006 χ^2 /NDF: 22375.5/12

+ sign 25.436 $\pm$ 0.004 χ^2 /NDF: 34569.5/31

All: 25.343 $\pm$ 0.003 χ^2 /NDF: 72062.6/63

- sign 25.249 $\pm$ 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: 3.234+/-71.288 χ^2/NDF : 4.6/14

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

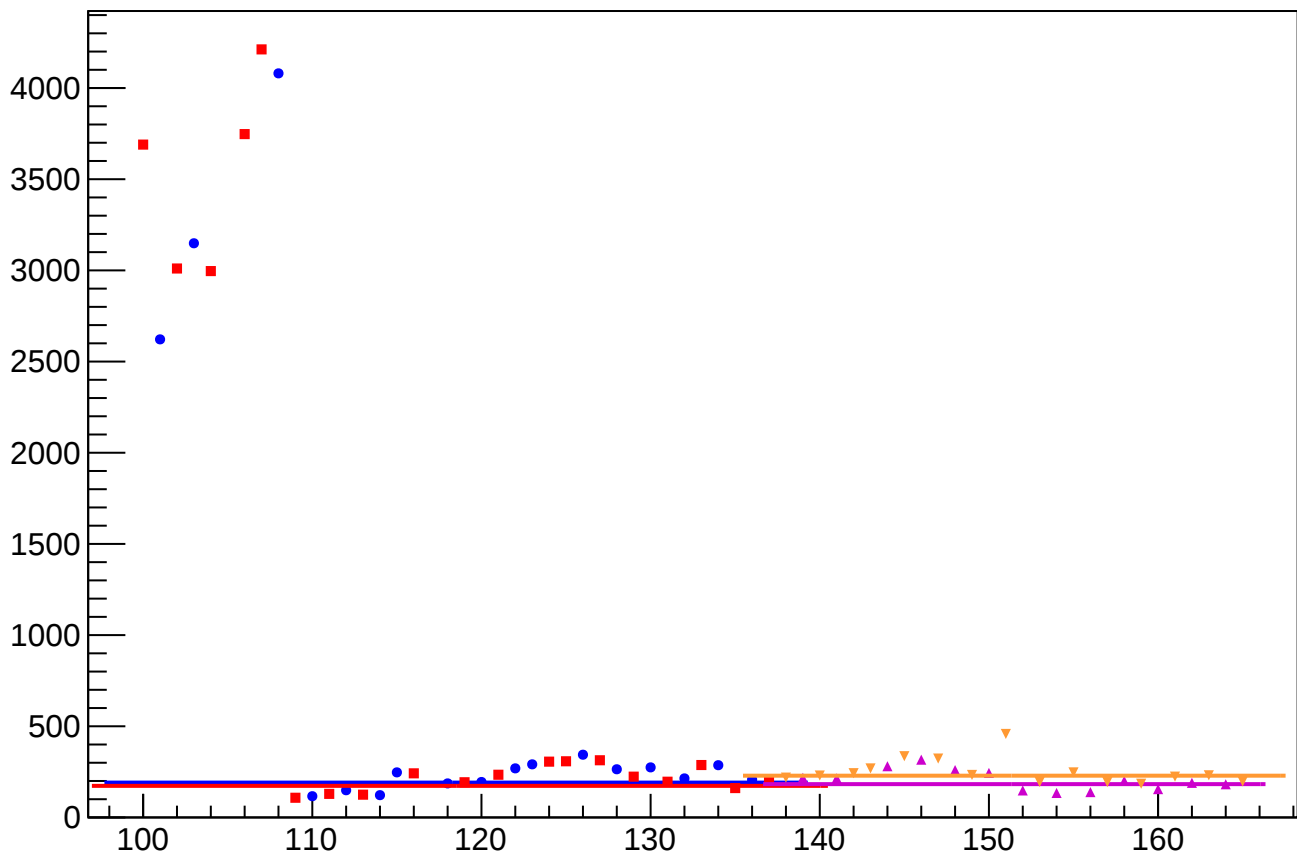
Left In: -58.470+/-60.629 χ^2/NDF : 4.8/12

+ sign 37.636+/-55.300 χ^2/NDF : 17.5/31

All: -9.383+/-36.470 χ^2/NDF : 35.6/63

- 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: 229.089+/-0.050 χ^2/NDF : 927203.4/14

Right Out: 173.269+/-0.057 χ^2/NDF : 4207191.5/18

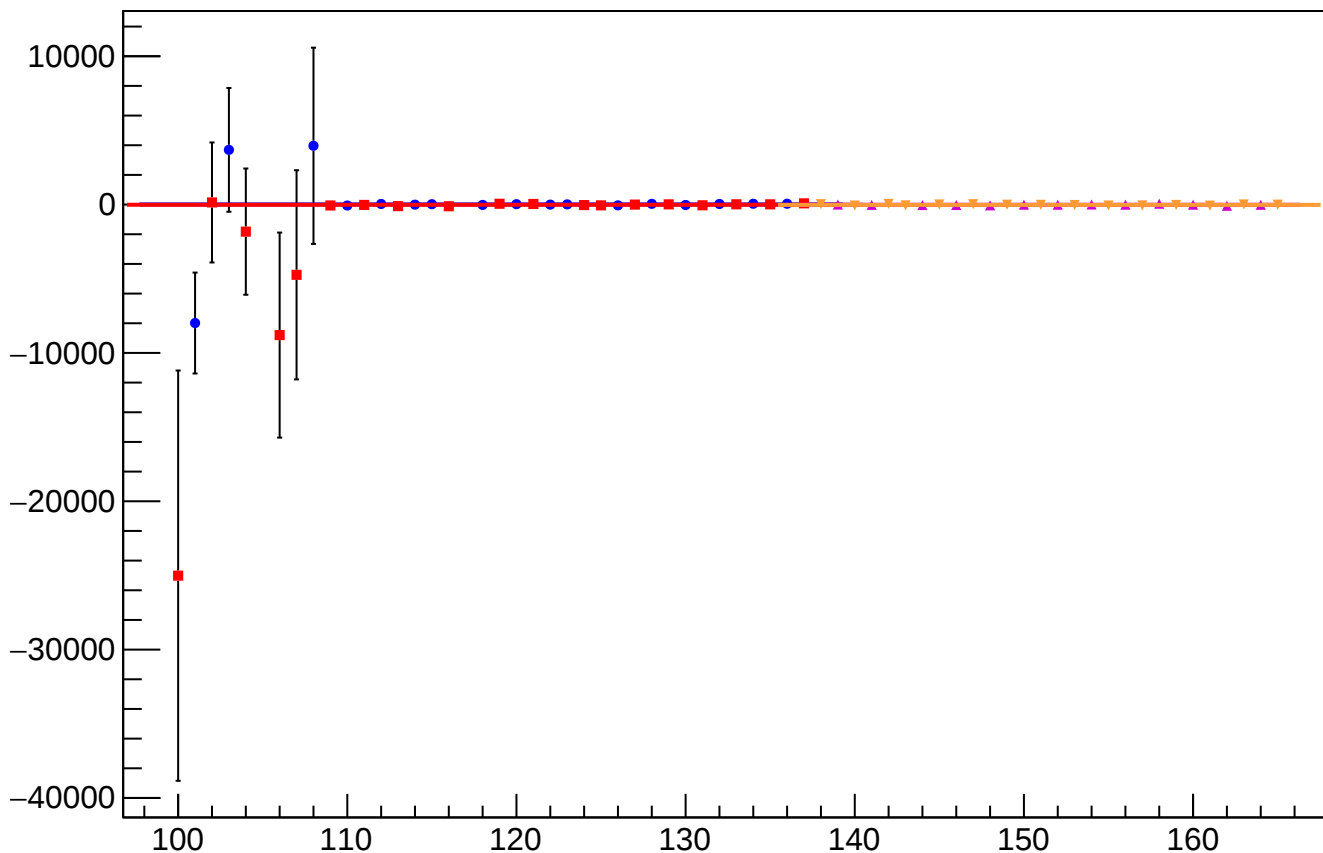
Left In: 182.739+/-0.043 χ^2/NDF : 1279964.1/12

+ sign 213.996+/-0.039 χ^2/NDF : 4724058.9/31

All: 194.409+/-0.026 χ^2/NDF : 10672775.7/63

- 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: -20.190+/-8.804 χ^2/NDF : 15.6/14

Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

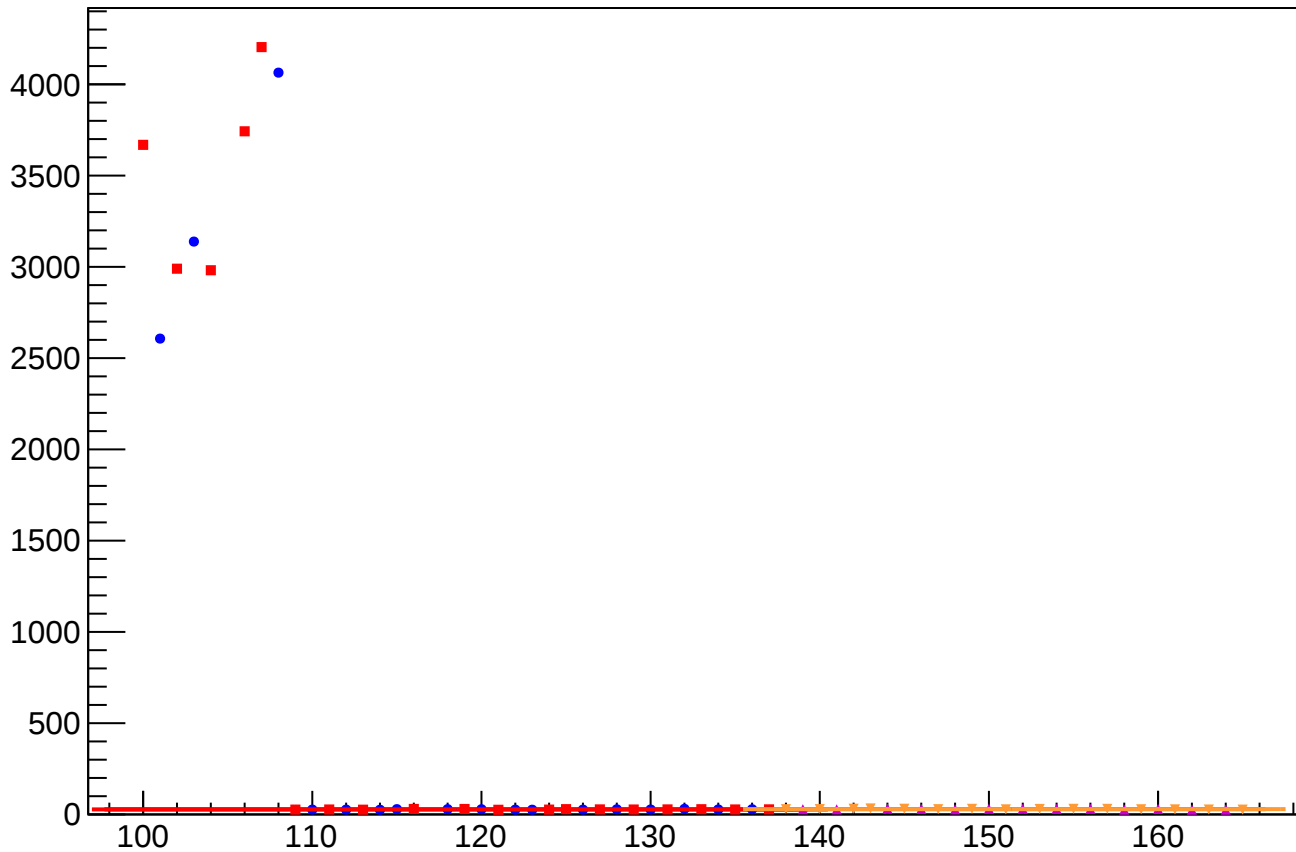
Left In: -13.343+/-9.127 χ^2/NDF : 13.8/12

+ sign -9.704+/-7.137 χ^2/NDF : 38.0/31

All: -11.410+/-5.108 χ^2/NDF : 76.3/63

- 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: 29.275 $\pm$ 0.006 χ^2 /NDF: 72268.0/14

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

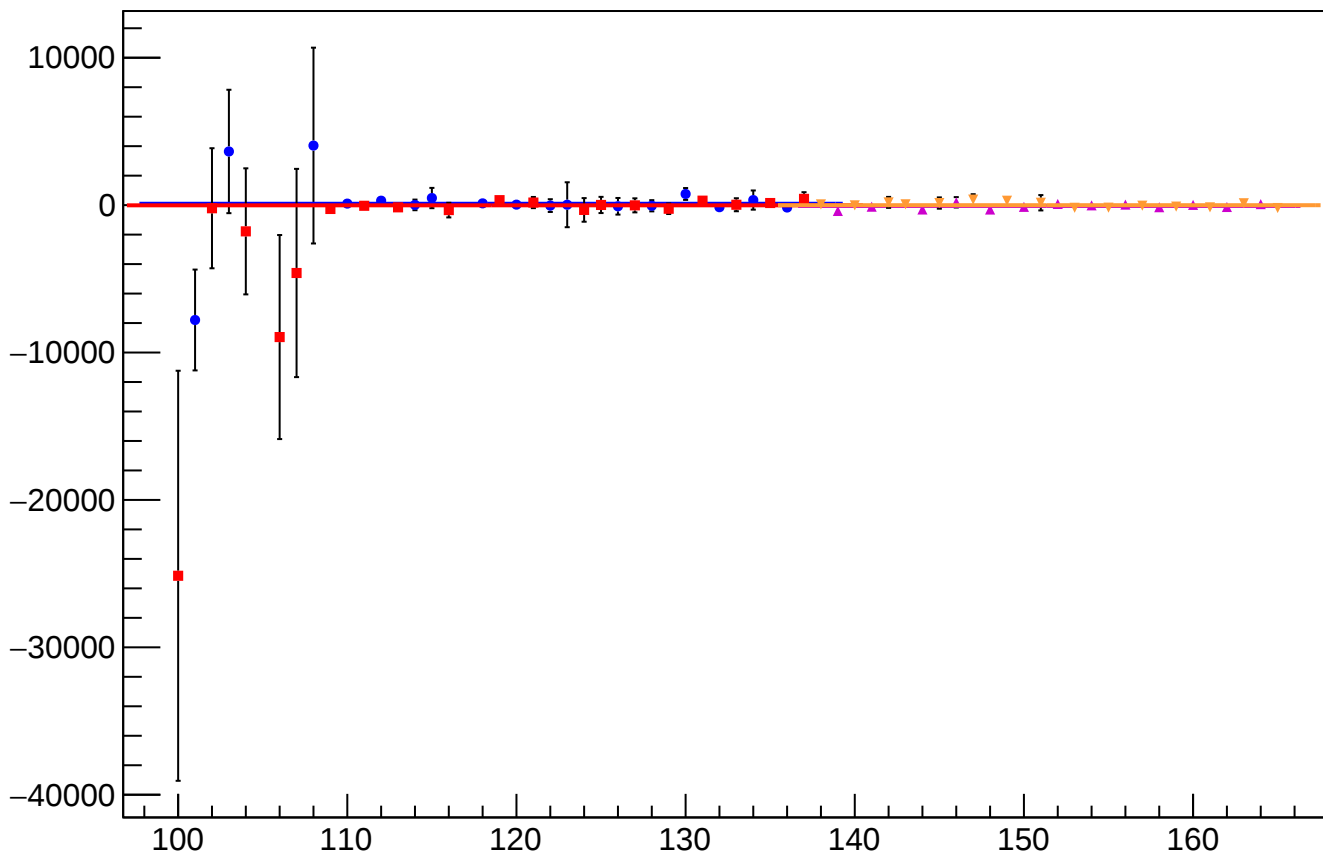
Left In: 29.181 $\pm$ 0.006 χ^2 /NDF: 93772.1/12

+ sign 28.782 $\pm$ 0.005 χ^2 /NDF: 3117461.8/31

All: 28.717 $\pm$ 0.004 χ^2 /NDF: 6707365.9/63

- 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+/-87.359 χ^2/NDF : 12.6/16

Left Out: -5.189+/-71.134 χ^2/NDF : 5.3/14

Right Out: -12.772+/-80.640 χ^2/NDF : 12.7/18

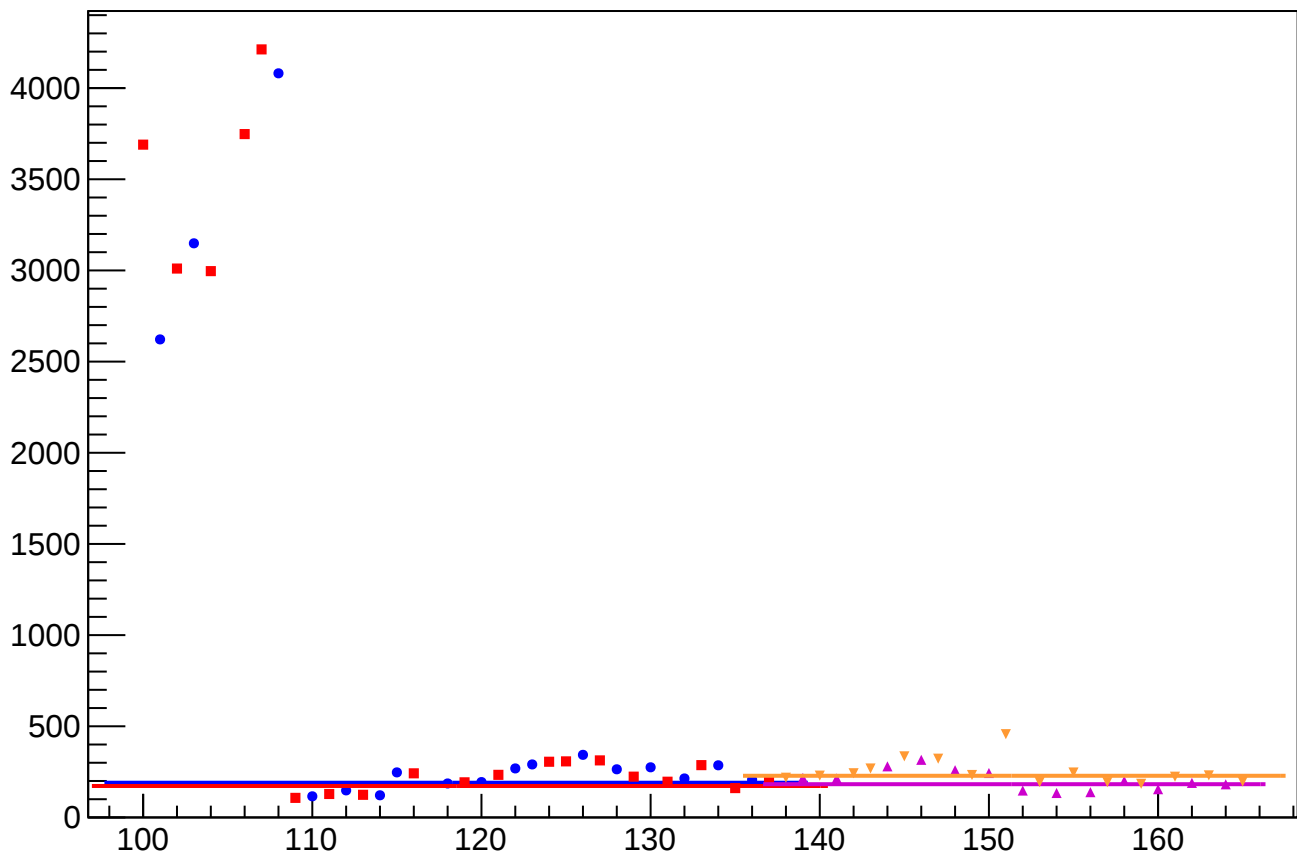
Left In: -56.460+/-60.513 χ^2/NDF : 5.0/12

+ sign 33.895+/-55.160 χ^2/NDF : 18.7/31

All: -8.263+/-36.381 χ^2/NDF : 37.6/63

- sign -40.721+/-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: 228.596+/-0.050 χ^2/NDF : 926976.0/14

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

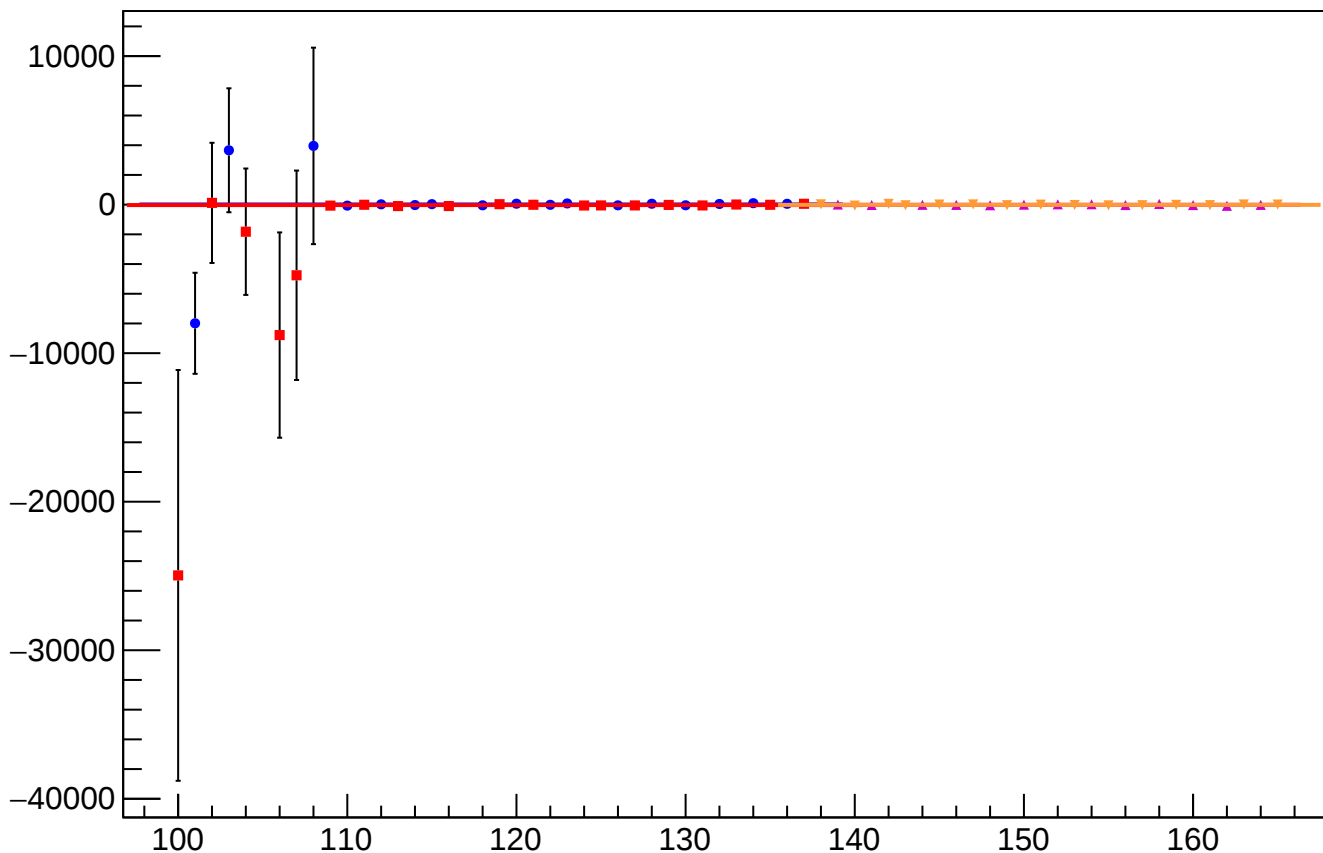
Left In: 182.391+/-0.043 χ^2/NDF : 1280222.7/12

+ sign 213.402+/-0.039 χ^2/NDF : 4739427.0/31

All: 193.888+/-0.026 χ^2/NDF : 10699880.6/63

- sign 178.864+/-0.034 χ^2/NDF : 5517464.4/31

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600 $\pm$ 12.273 χ^2 /NDF: 23.2/16

Left Out: -14.670 $\pm$ 8.879 χ^2 /NDF:10.3/14

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

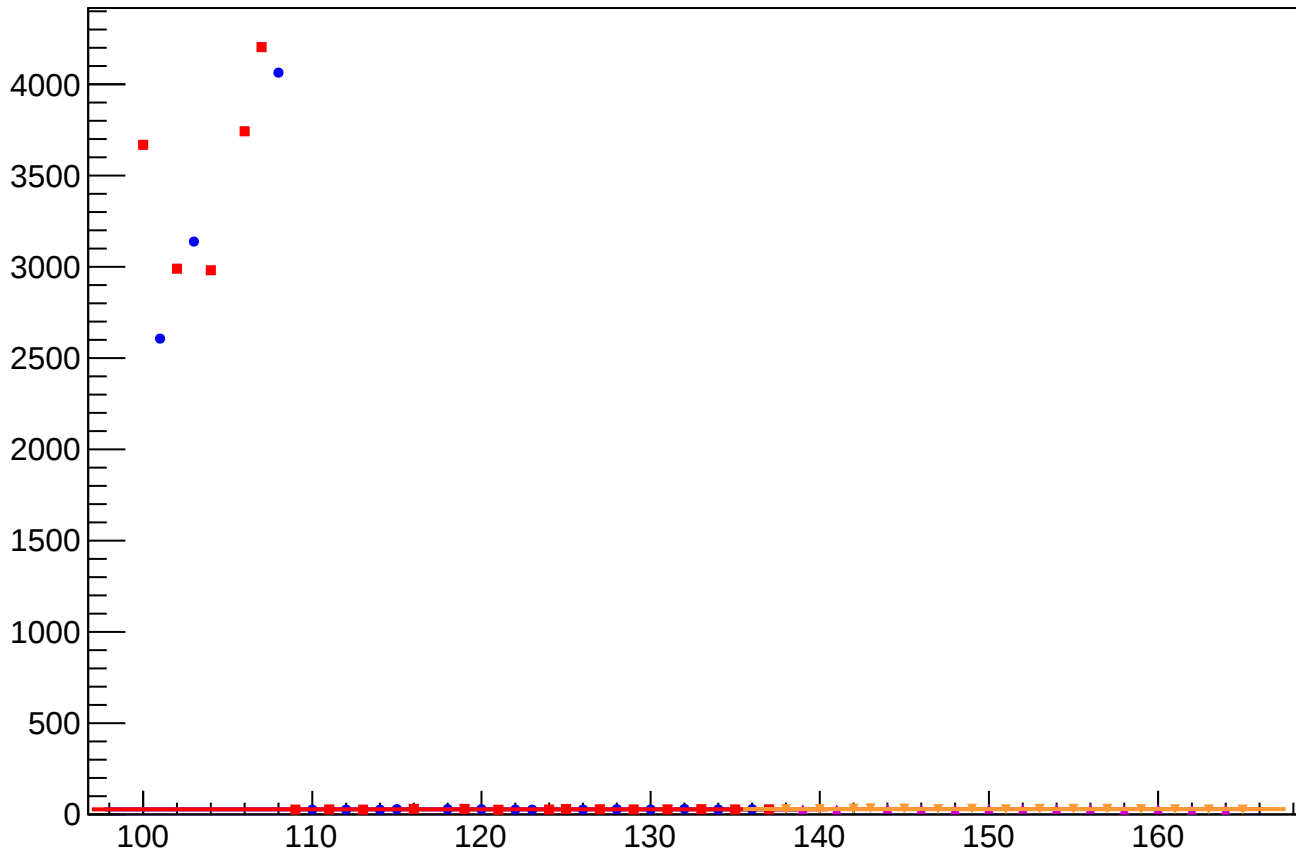
Left In: -11.259 $\pm$ 9.191 χ^2 /NDF:12.7/12

+ sign -6.331 $\pm$ 7.194 χ^2 /NDF: 36.1/31

All: -11.938 $\pm$ 5.148 χ^2 /NDF: 67.9/63

- sign -17.821 $\pm$ 7.369 χ^2 /NDF: 30.6/31

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: 29.523+/-0.006 χ^2/NDF : 72390.3/14

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

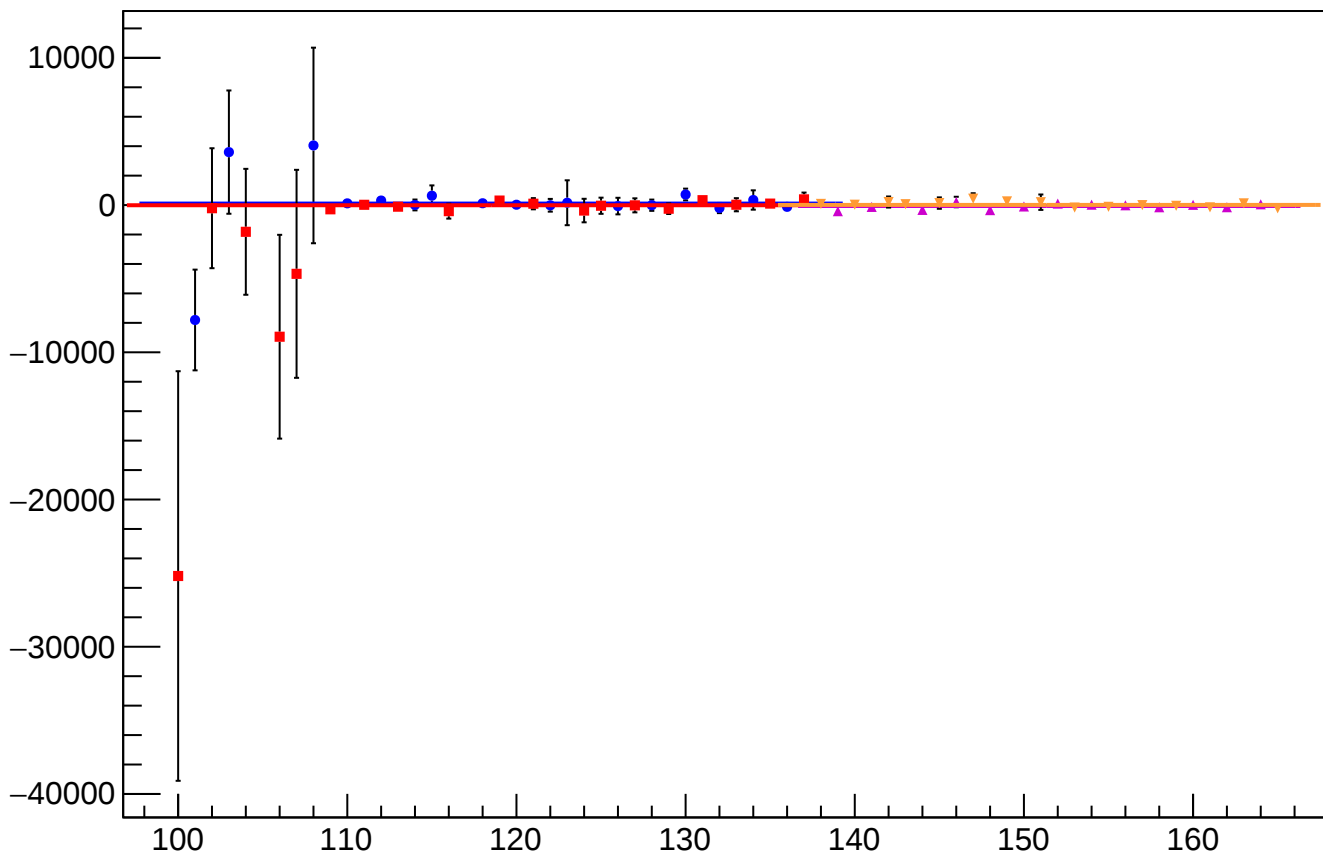
Left In: 29.391+/-0.006 χ^2/NDF : 91822.7/12

+ sign 29.008+/-0.005 χ^2/NDF : 3119012.8/31

All: 28.938+/-0.004 χ^2/NDF : 6709202.9/63

- 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: 10.886 $\pm$ 71.951 χ^2 /NDF: 5.0/14

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

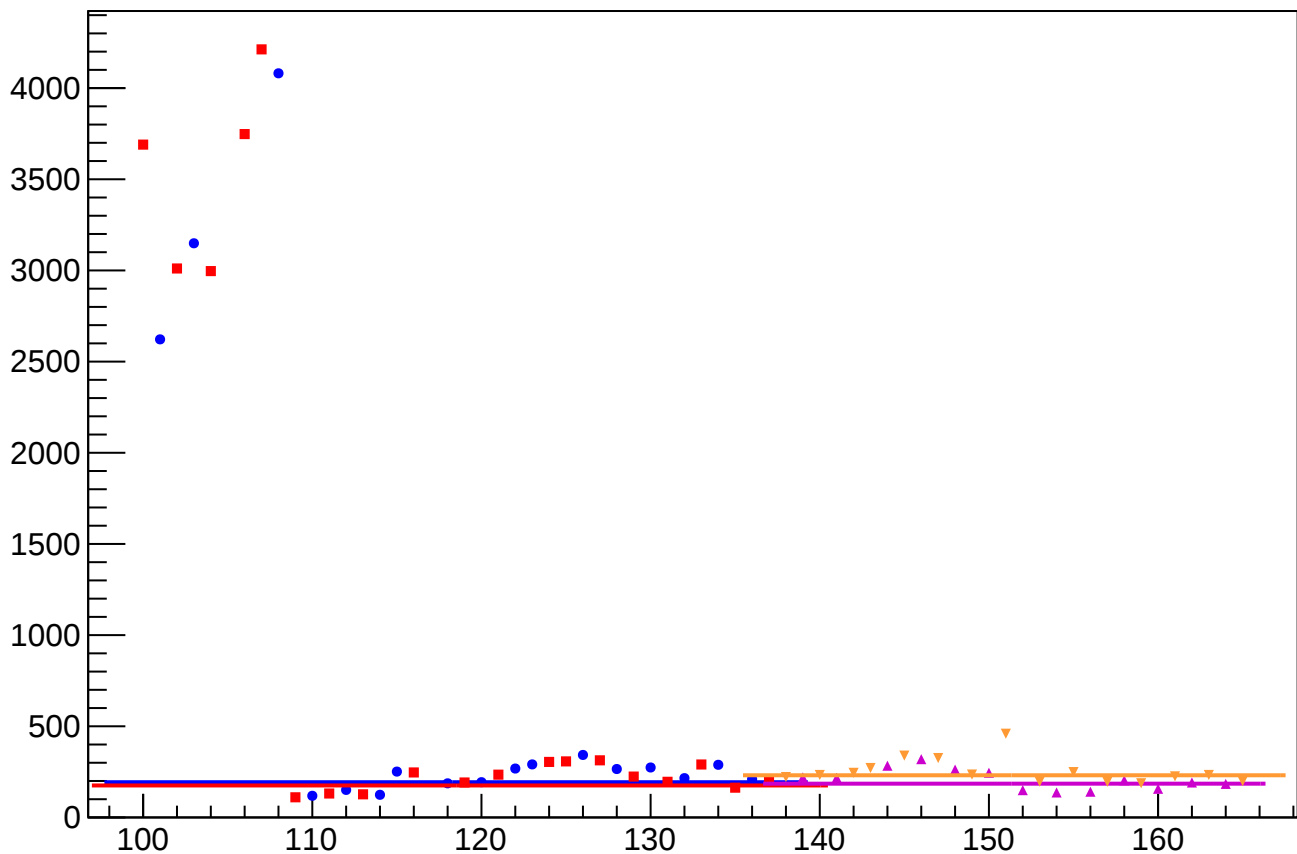
Left In: -62.353 $\pm$ 61.398 χ^2 /NDF: 5.7/12

+ sign 47.108 $\pm$ 55.801 χ^2 /NDF: 18.0/31

All: -4.201 $\pm$ 36.857 χ^2 /NDF: 37.7/63

- 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: 231.334+/-0.051 χ^2/NDF : 918429.3/14

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

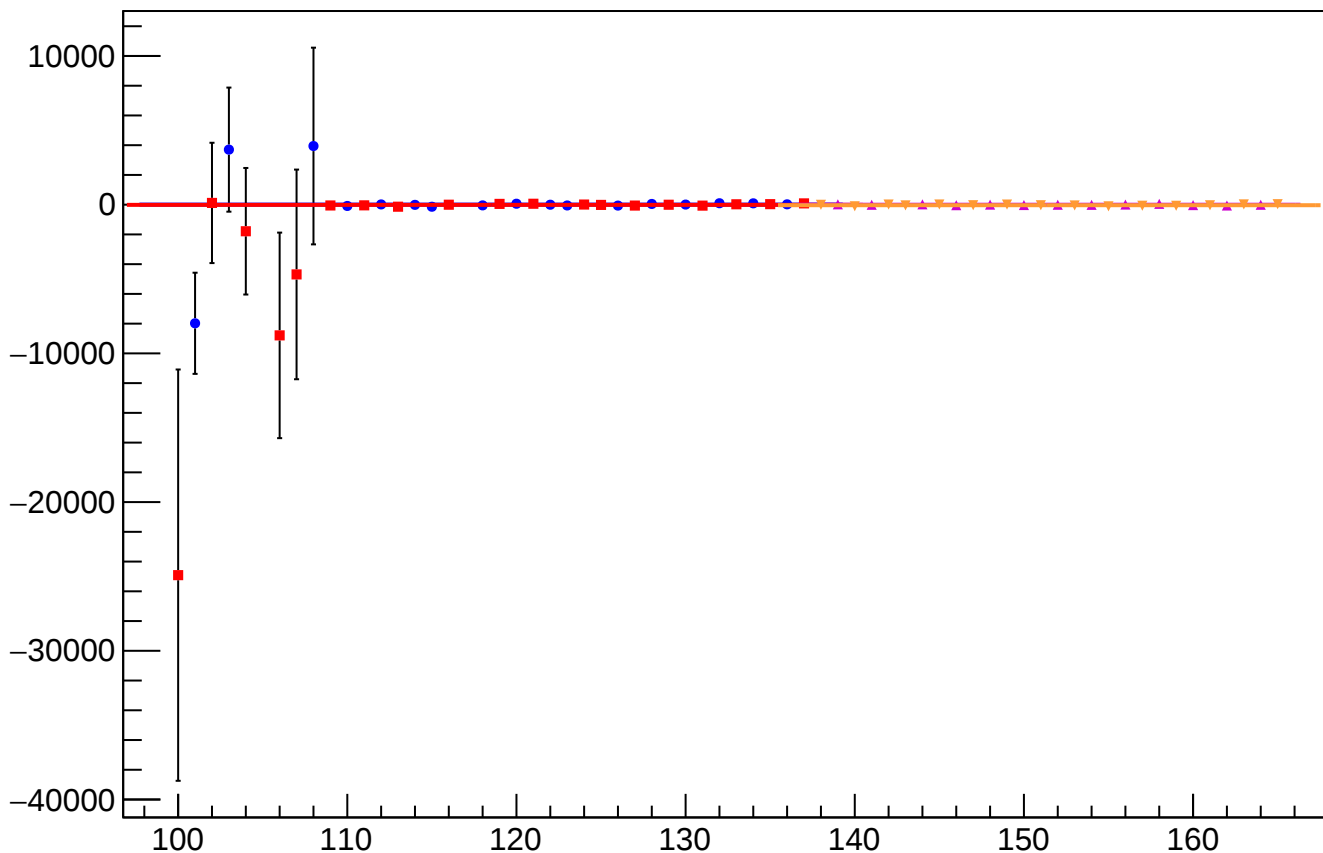
Left In: 185.262+/-0.043 χ^2/NDF : 1254591.0/12

+ sign 216.132+/-0.039 χ^2/NDF : 4678563.3/31

All: 196.741+/-0.026 χ^2/NDF : 10545245.8/63

- 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 $\pm$ 14.935 χ^2 /NDF: 20.4/16

Left Out: -35.698 $\pm$ 10.482 χ^2 /NDF:17.1/14

Right Out: -12.487 $\pm$ 14.947 χ^2 /NDF: 21.7/18

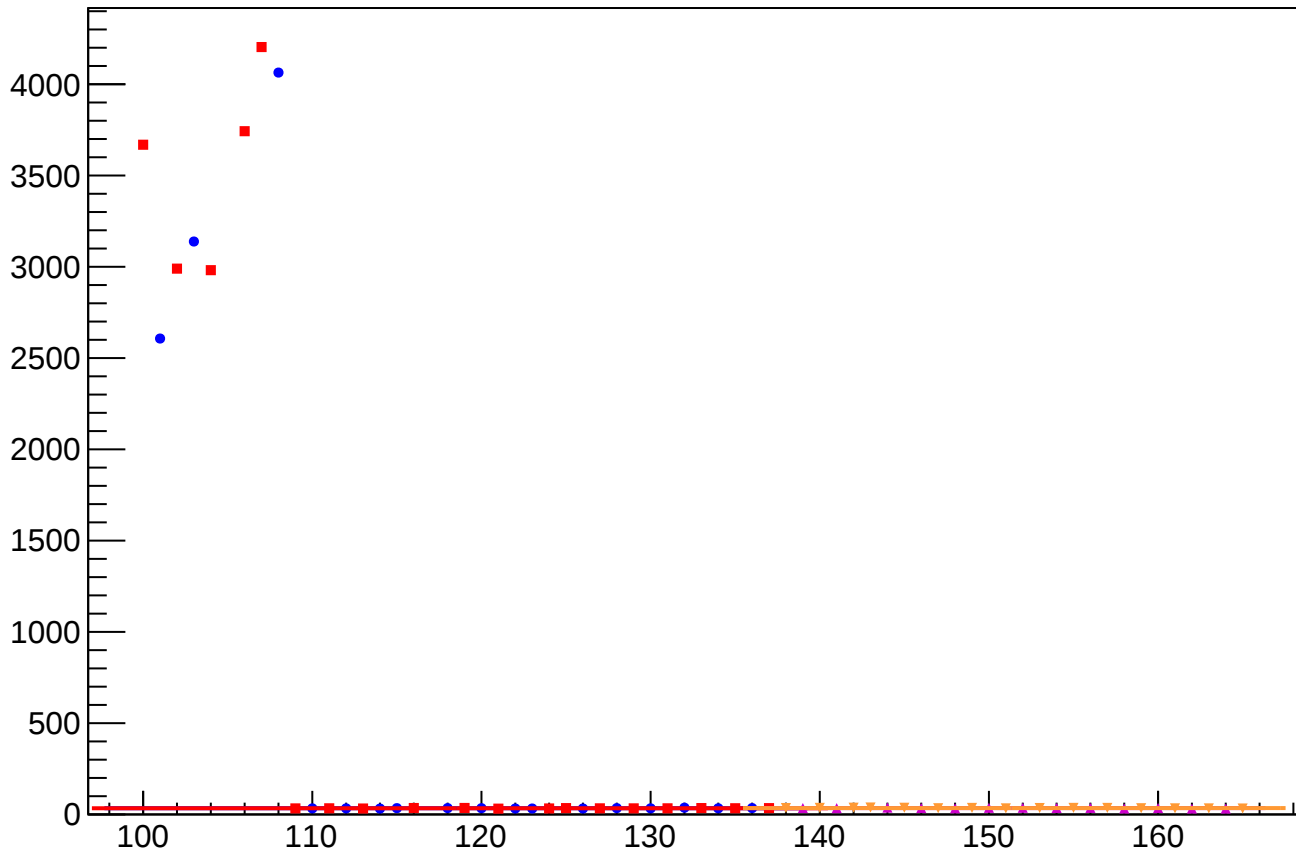
Left In: -3.542 $\pm$ 10.882 χ^2 /NDF:7.1/12

+ sign -22.382 $\pm$ 8.580 χ^2 /NDF: 42.4/31

All: -14.709 $\pm$ 6.142 χ^2 /NDF: 73.0/63

- sign -6.641 $\pm$ 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: 34.905 $\pm$ 0.007 χ^2 /NDF: 39218.7/14

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

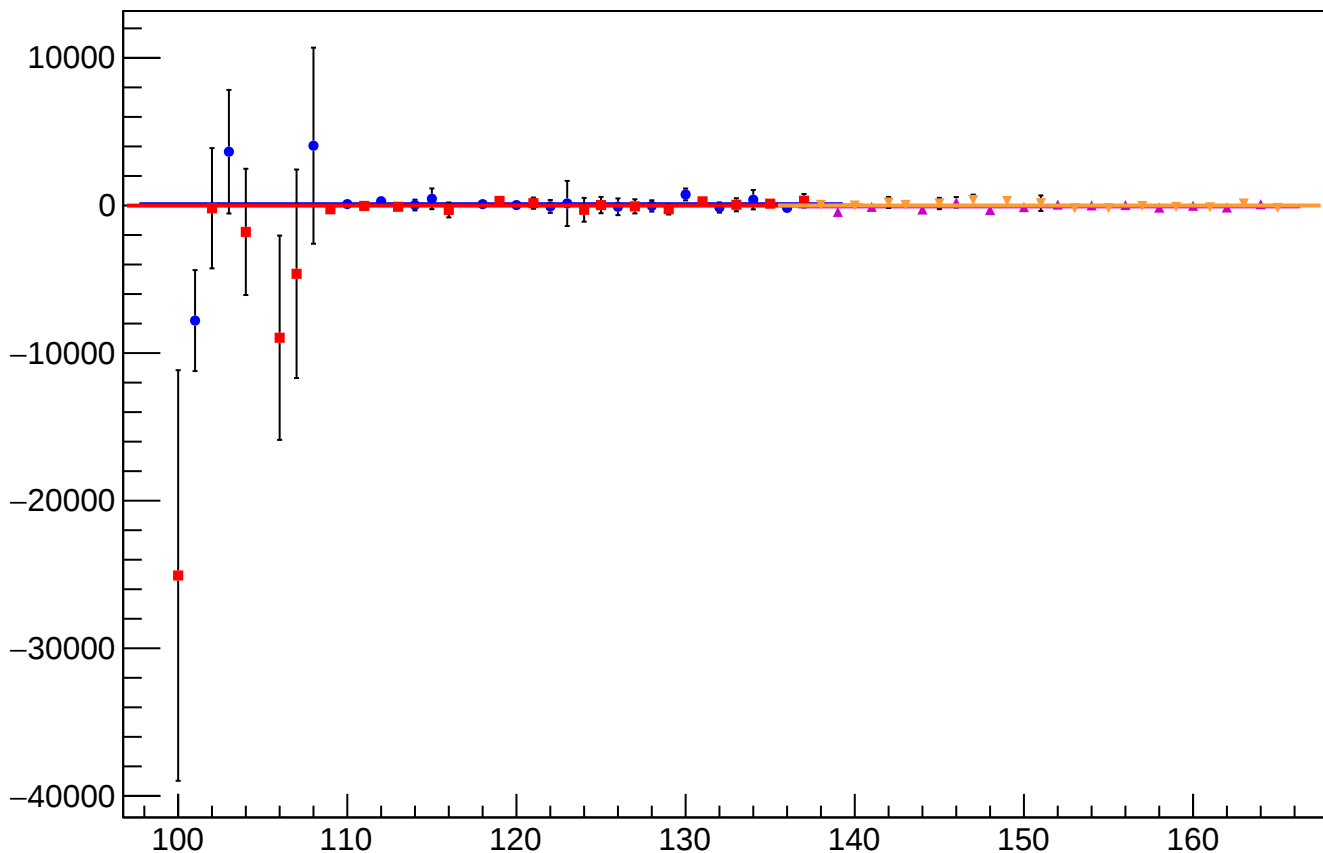
Left In: 34.865 $\pm$ 0.008 χ^2 /NDF: 43400.9/12

+ sign 34.652 $\pm$ 0.006 χ^2 /NDF: 3049010.8/31

All: 34.595 $\pm$ 0.004 χ^2 /NDF: 6549790.8/63

- 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 $\pm$ 87.947 χ^2 /NDF: 12.4/16

Left Out: -0.147 $\pm$ 71.781 χ^2 /NDF: 5.1/14

Right Out: -7.296 $\pm$ 81.208 χ^2 /NDF: 11.1/18

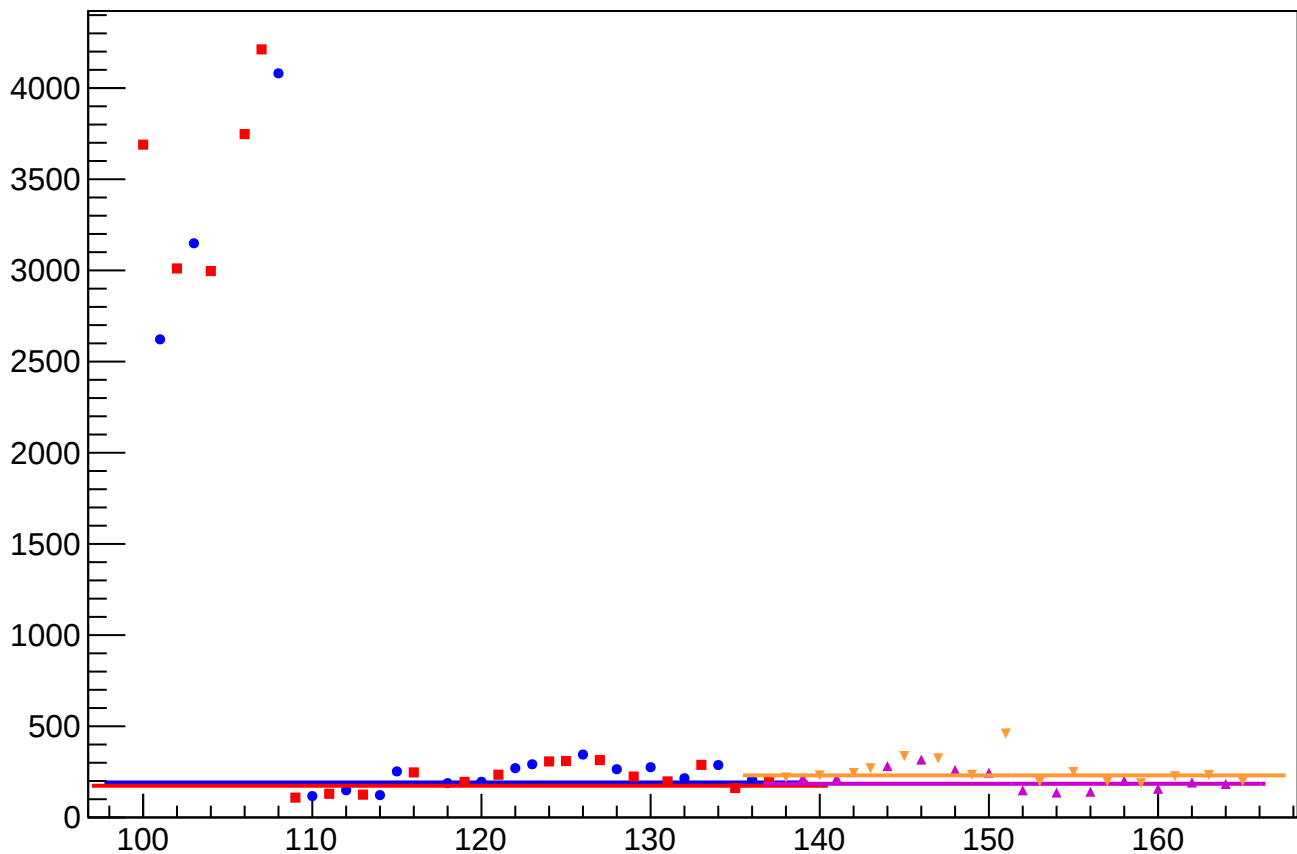
Left In: -60.469 $\pm$ 61.214 χ^2 /NDF: 5.2/12

+ sign 34.312 $\pm$ 55.610 χ^2 /NDF: 18.1/31

All: -8.288 $\pm$ 36.714 χ^2 /NDF: 35.7/63

- sign -41.203 $\pm$ 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: 230.806+/-0.051 χ^2/NDF : 910027.1/14

Right Out: 173.928+/-0.057 χ^2/NDF : 4211385.1/18

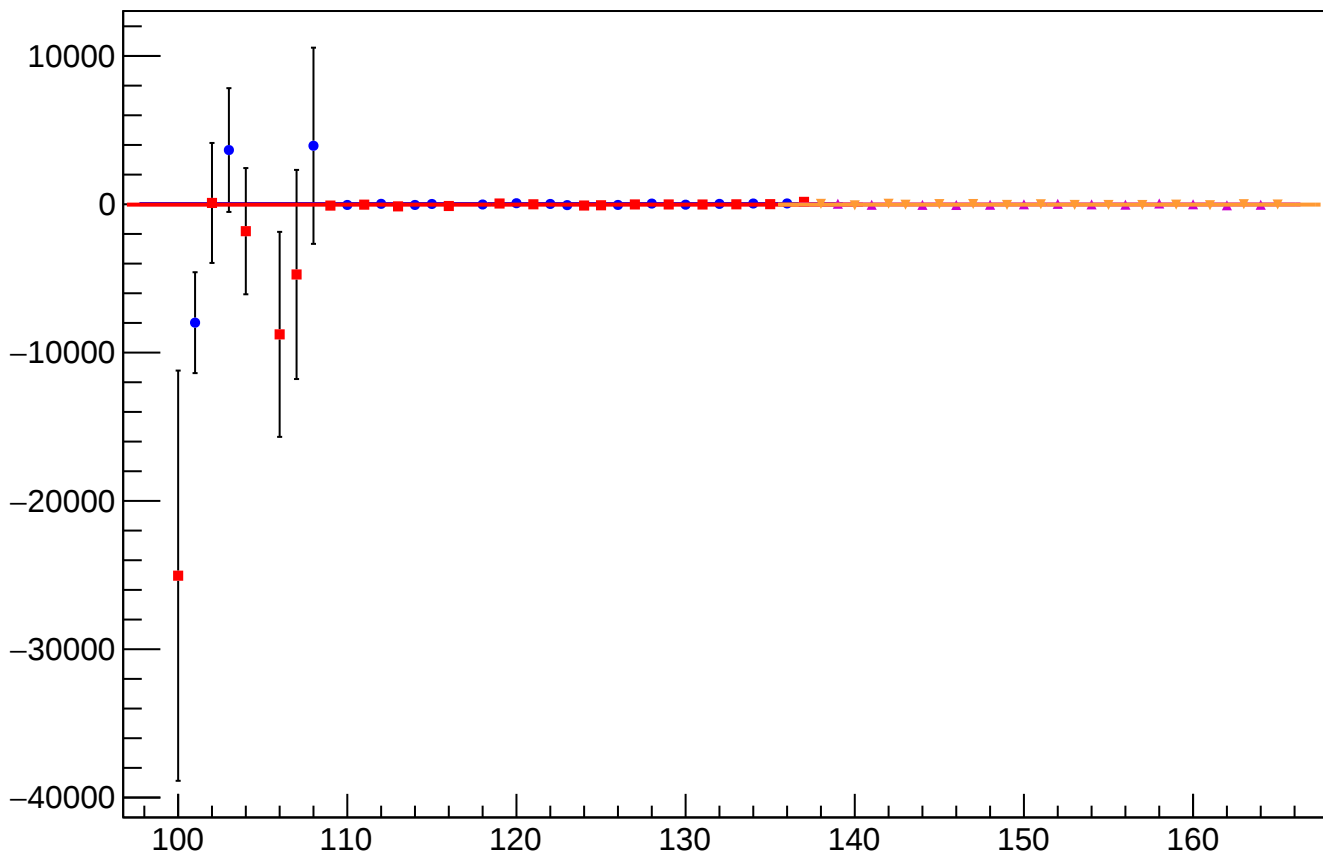
Left In: 184.729+/-0.043 χ^2/NDF : 1240200.4/12

+ sign 215.243+/-0.039 χ^2/NDF : 4718238.5/31

All: 195.822+/-0.026 χ^2/NDF : 10624805.3/63

- 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: -22.299+/-9.494 χ^2/NDF : 11.0/14

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

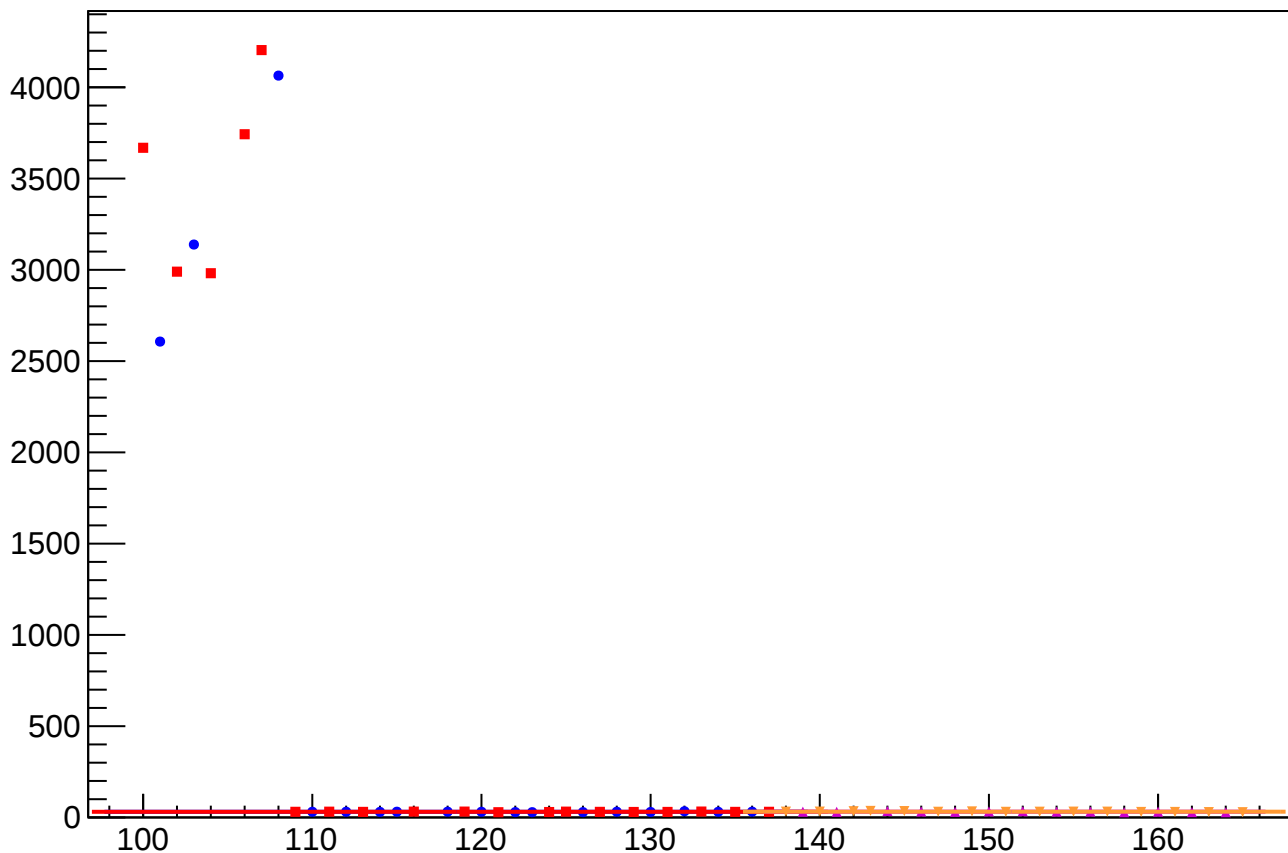
Left In: -11.749+/-9.847 χ^2/NDF : 12.7/12

+ sign -10.387+/-7.788 χ^2/NDF : 31.0/31

All: -12.989+/-5.576 χ^2/NDF : 71.9/63

- 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: 31.575 $\pm$ 0.007 χ^2 /NDF: 70202.1/14

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

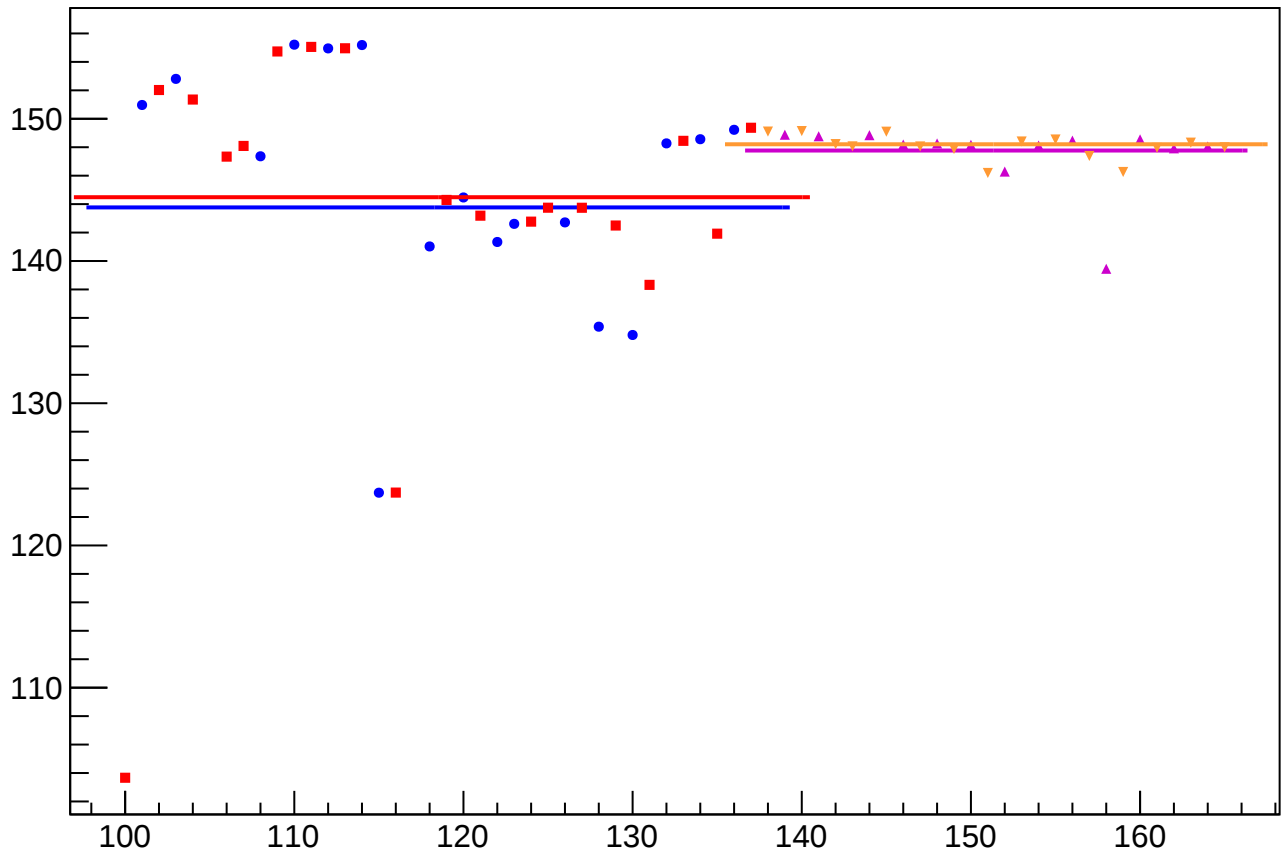
Left In: 31.492 $\pm$ 0.007 χ^2 /NDF: 77450.6/12

+ sign 31.429 $\pm$ 0.006 χ^2 /NDF: 3086089.9/31

All: 31.371 $\pm$ 0.004 χ^2 /NDF: 6624680.8/63

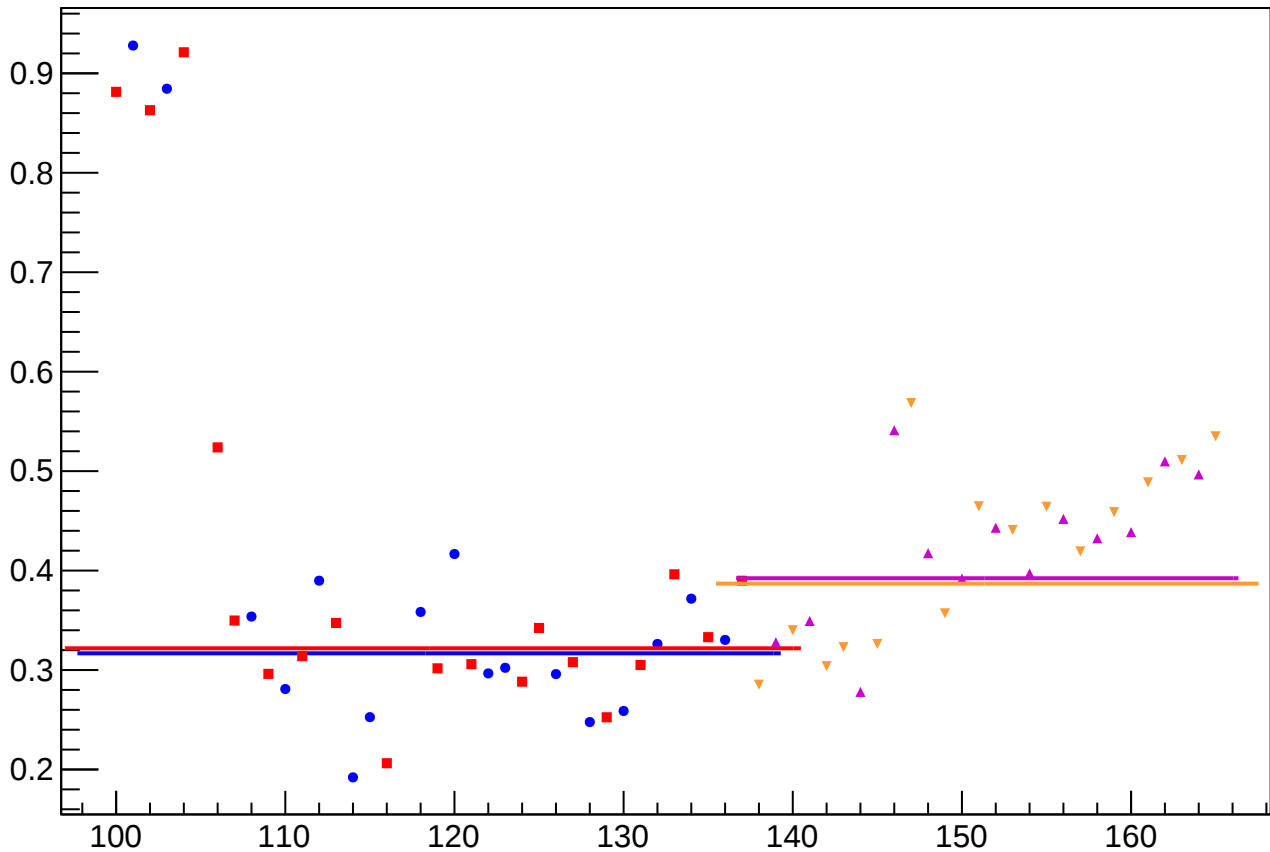
- sign 31.311 $\pm$ 0.006 χ^2 /NDF: 3538368.1/31

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000	χ^2 /NDF: 3532173868.5/16	+ sign 146.211 $\pm$ 0.000	χ^2 /NDF: 4186620105.6/31
Left Out: 148.208 $\pm$ 0.000	χ^2 /NDF: 50728601.2/14	All: 146.208 $\pm$ 0.000	χ^2 /NDF: 9009681357.5
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 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.387 ± 0.000 χ^2/NDF : 929868.3/14

Right Out: 0.322 ± 0.000 χ^2/NDF : 1217762.5/18

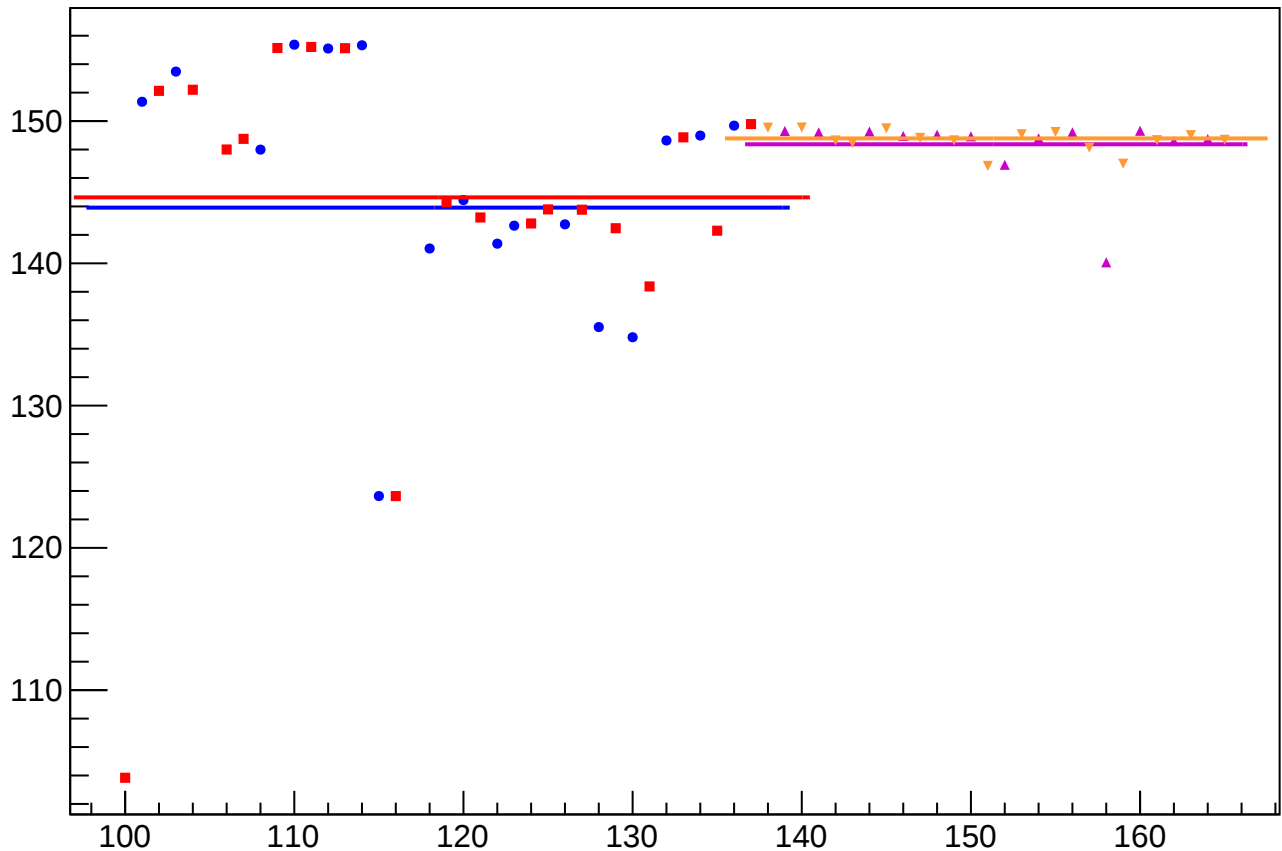
Left In: 0.392 ± 0.000 χ^2/NDF : 689371.5/12

+ sign 0.355 ± 0.000 χ^2/NDF : 2509243.5/31

All: 0.357 ± 0.000 χ^2/NDF : 4711567.7/63

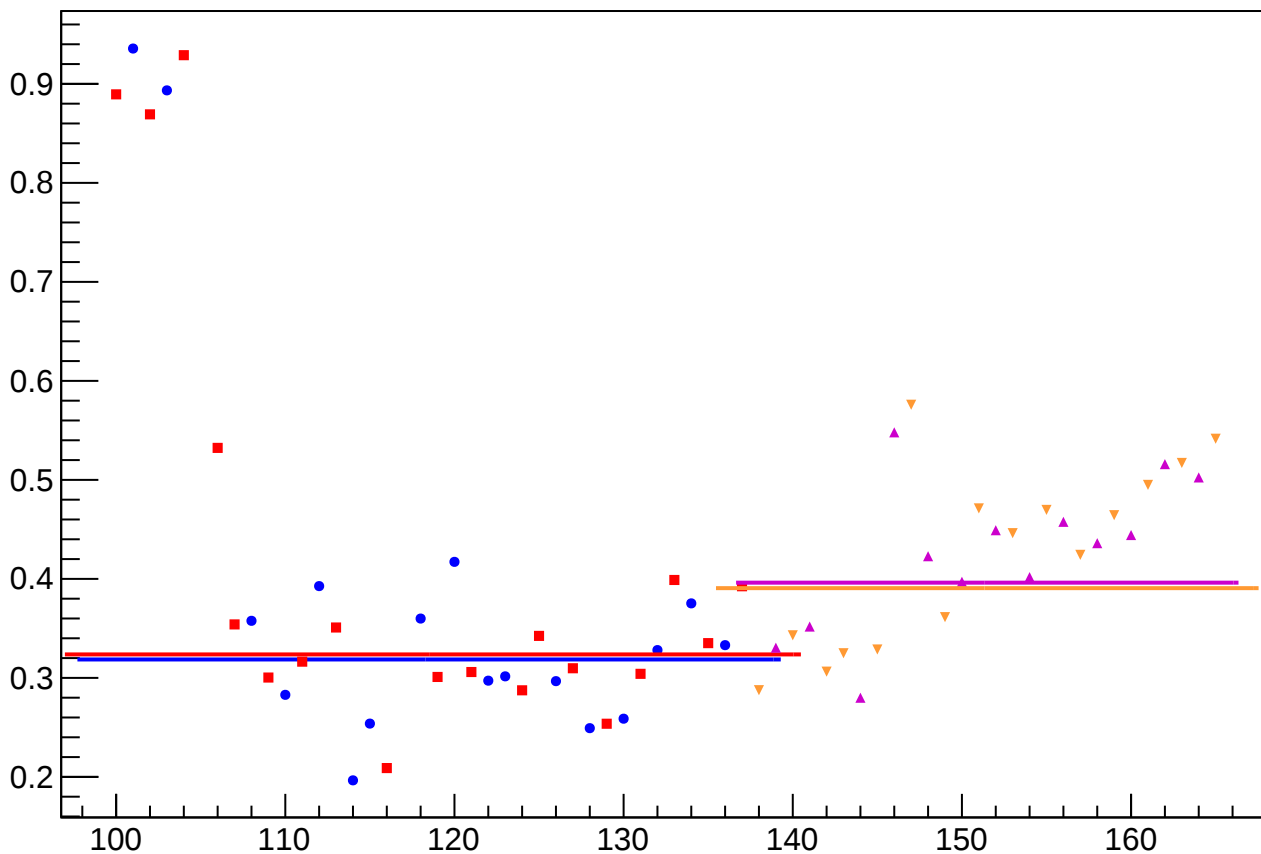
- sign 0.359 ± 0.000 χ^2/NDF : 2200960.1/31

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917+/-0.000	χ^2/NDF : 3584662767.5/16	+ sign 146.583+/-0.000	χ^2/NDF : 4338290081.9/31
Left Out: 148.781+/-0.000	χ^2/NDF : 39868312.4/14	All: 146.583+/-0.000	χ^2/NDF : 9264911193.0
Right Out: 144.637+/-0.000	χ^2/NDF : 4210524953.9/18	- sign 146.582+/-0.000	χ^2/NDF : 4926621099.7/31
Left In: 148.369+/-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: 0.391 ± 0.000 χ^2/NDF : 947211.0/14

Right Out: 0.324 ± 0.000 χ^2/NDF : 1220898.3/18

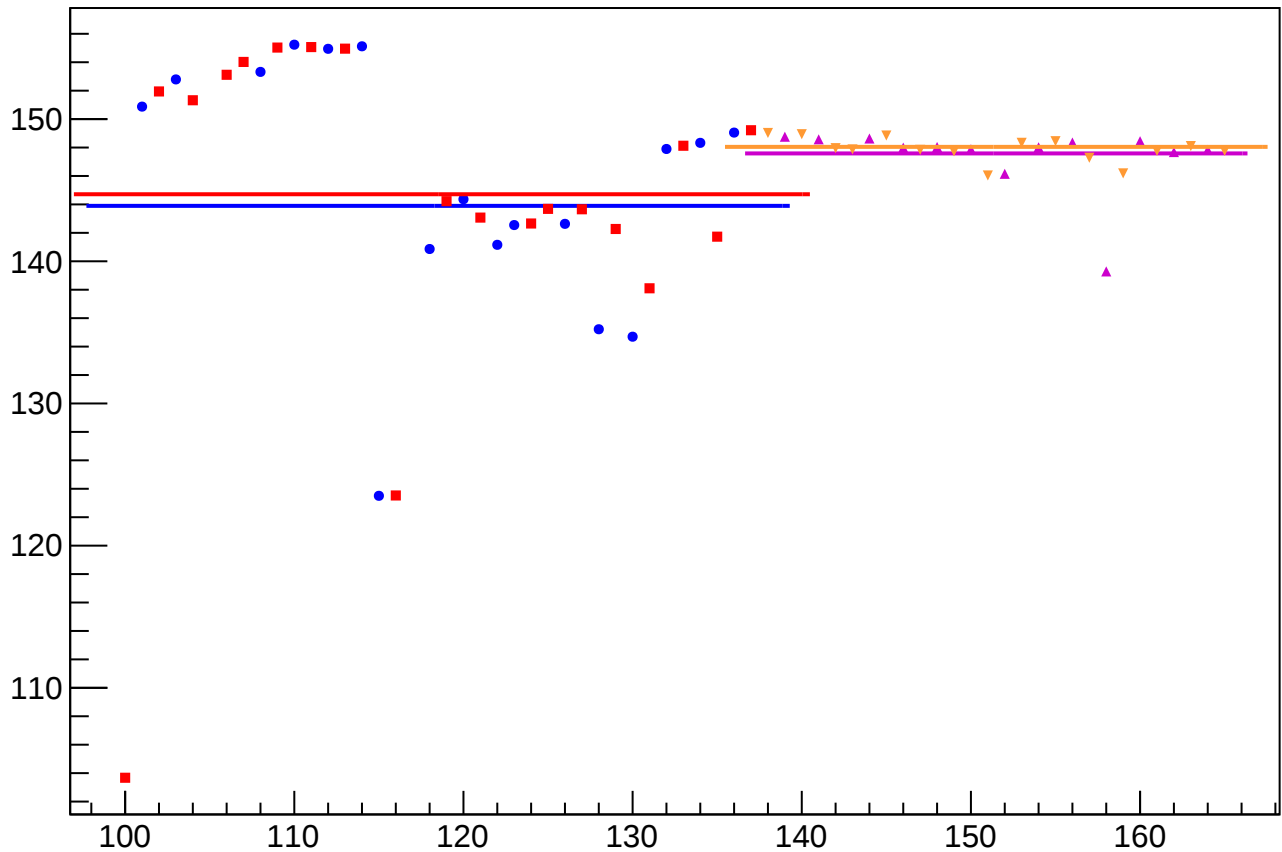
Left In: 0.396 ± 0.000 χ^2/NDF : 703991.8/12

+ sign 0.358 ± 0.000 χ^2/NDF : 2541002.2/31

All: 0.360 ± 0.000 χ^2/NDF : 4773606.0/63

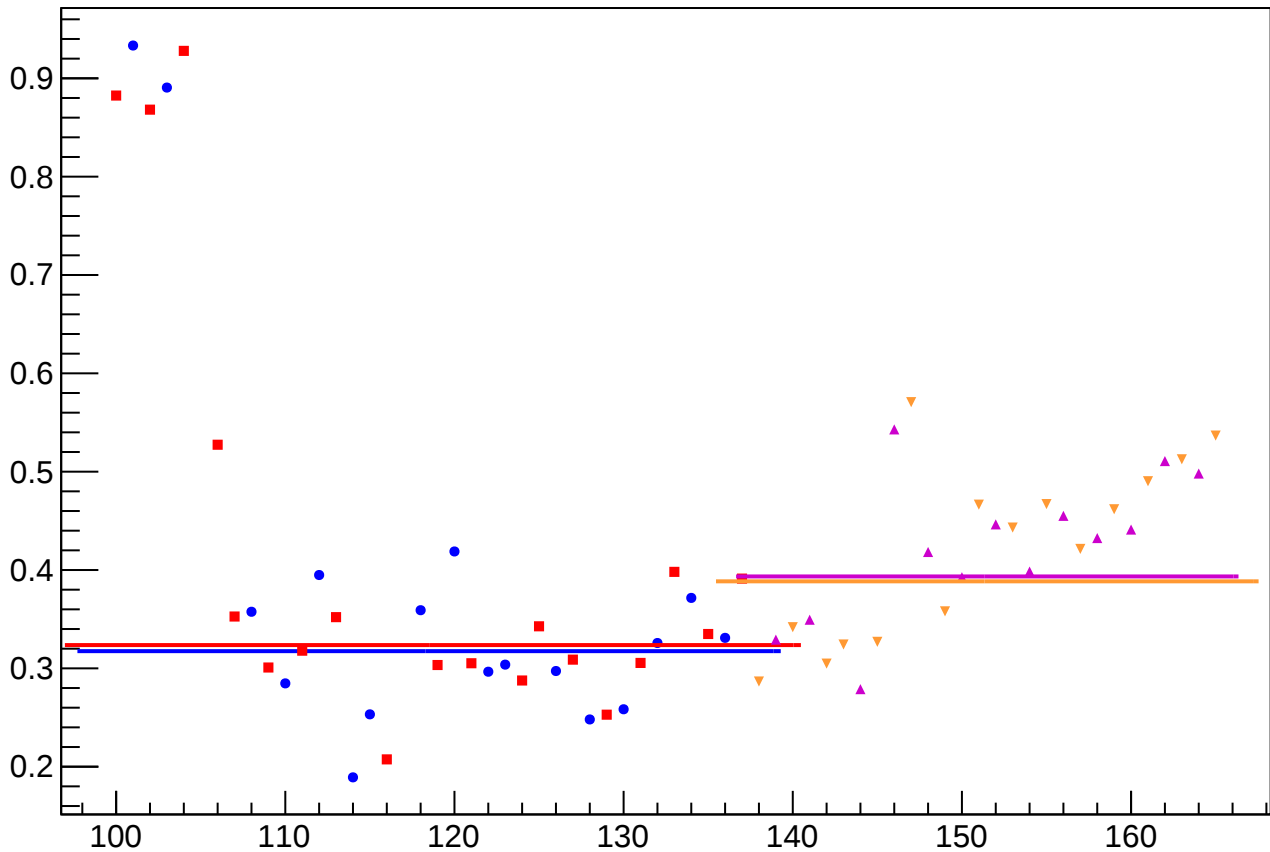
- sign 0.361 ± 0.000 χ^2/NDF : 2231223.4/31

yield_bcm_an_us_mean vs Slug



Right In: 143.899 ± 0.000 χ^2/NDF : 3749888331.0/16
 Left Out: 148.047 ± 0.000 χ^2/NDF : 49108878.9/14
 Right Out: 144.715 ± 0.000 χ^2/NDF : 4474458988.7/18
 Left In: 147.586 ± 0.000 χ^2/NDF : 318914410.4/12
 All: 146.200 ± 0.000 χ^2/NDF : 9358022337.6
 + sign 146.179 ± 0.000 χ^2/NDF : 4322491488.4/31
 - sign 146.222 ± 0.000 χ^2/NDF : 5035422657.1/31

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.388 $\pm$ 0.000 χ^2 /NDF: 931201.7/14

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1221676.7/18

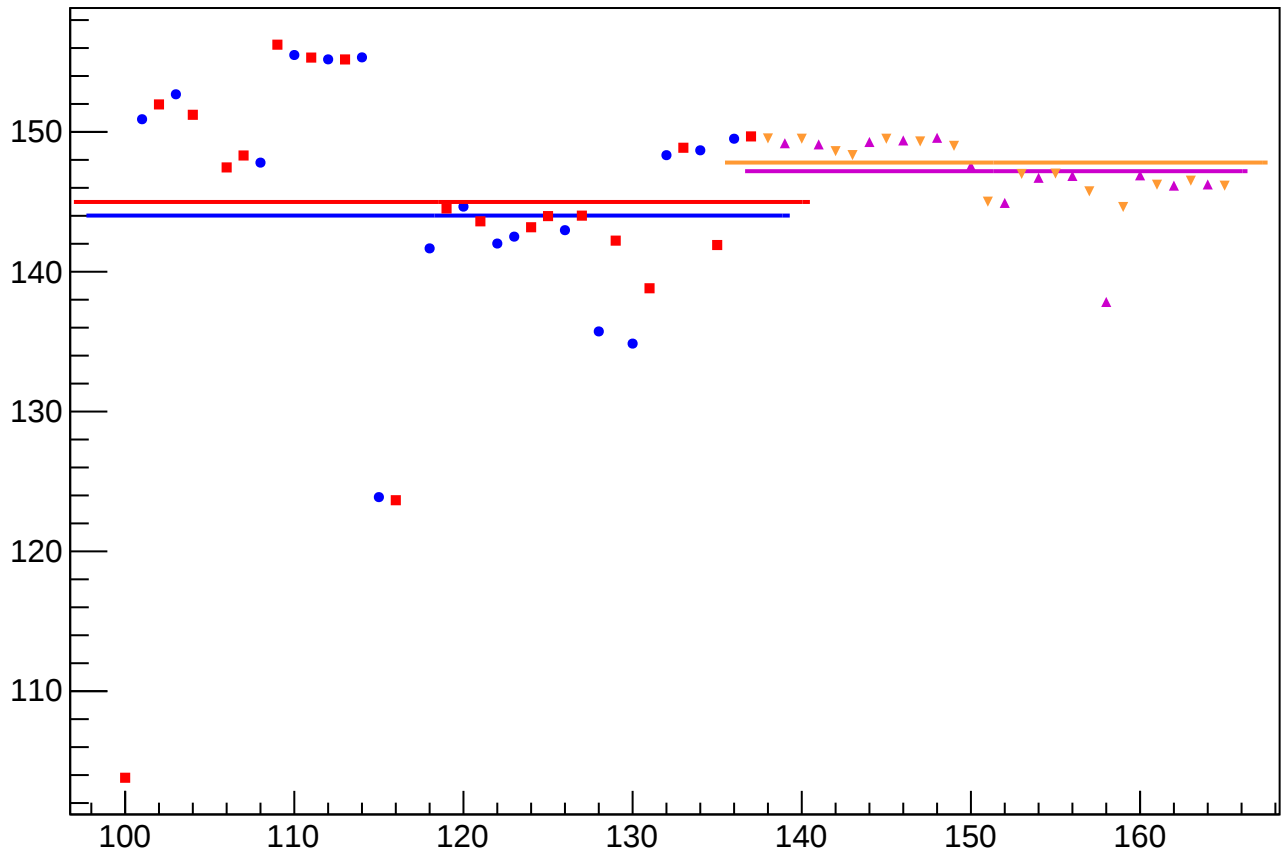
Left In: 0.393 $\pm$ 0.000 χ^2 /NDF: 692585.9/12

+ sign 0.357 $\pm$ 0.000 χ^2 /NDF: 2530956.4/31

All: 0.358 $\pm$ 0.000 χ^2 /NDF: 4732998.6/63

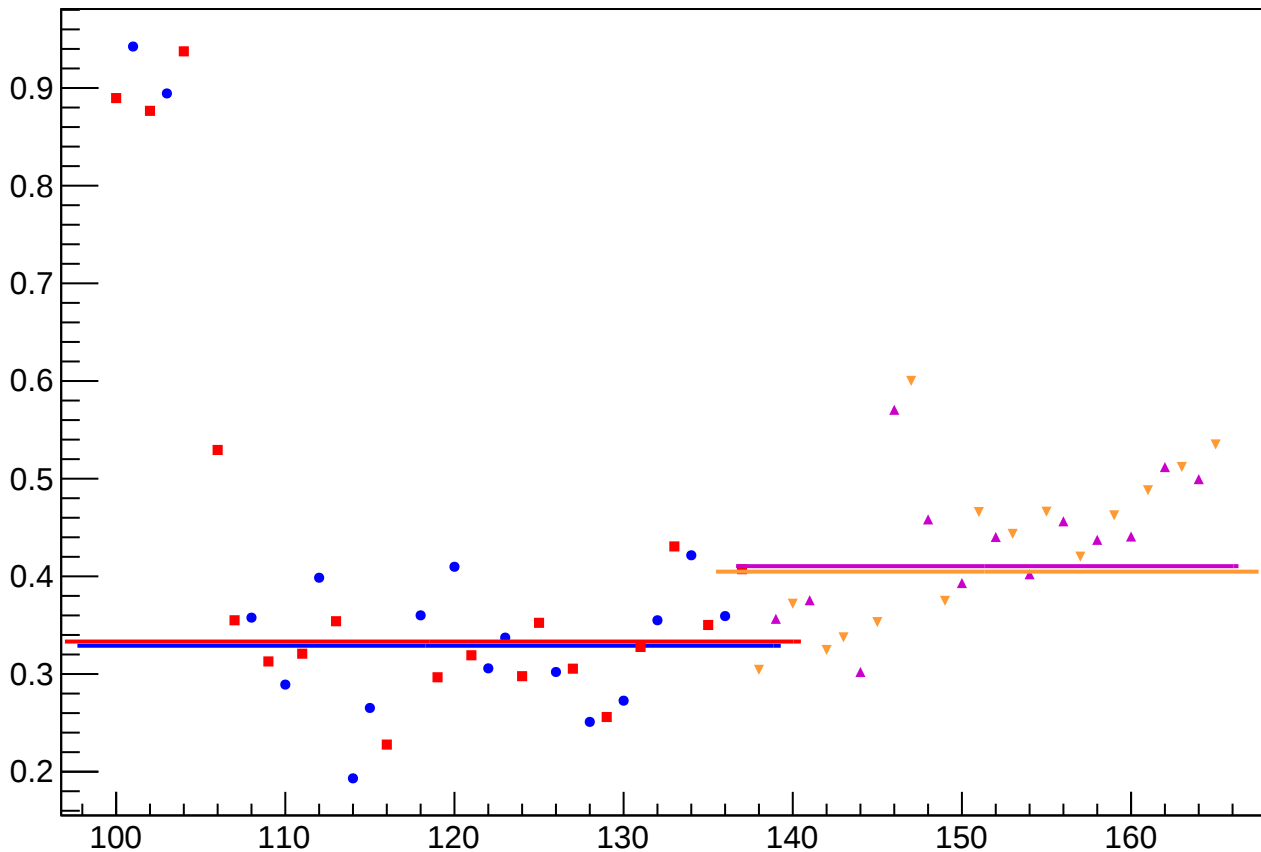
- sign 0.360 $\pm$ 0.000 χ^2 /NDF: 2200333.6/31

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 ± 0.000 χ^2/NDF : 3238525527.6/16
 Left Out: 147.810 ± 0.000 χ^2/NDF : 176595625.1/14
 Right Out: 144.990 ± 0.000 χ^2/NDF : 3853449012.9/18
 Left In: 147.192 ± 0.000 χ^2/NDF : 484285130.6/12
 All: 146.117 ± 0.000 χ^2/NDF : 8291519523.2
 + sign 146.099 ± 0.000 χ^2/NDF : 3820728417.7/31
 - sign 146.136 ± 0.000 χ^2/NDF : 4470717245.9/31

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.405 ± 0.000 χ^2/NDF : 728311.9/14

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

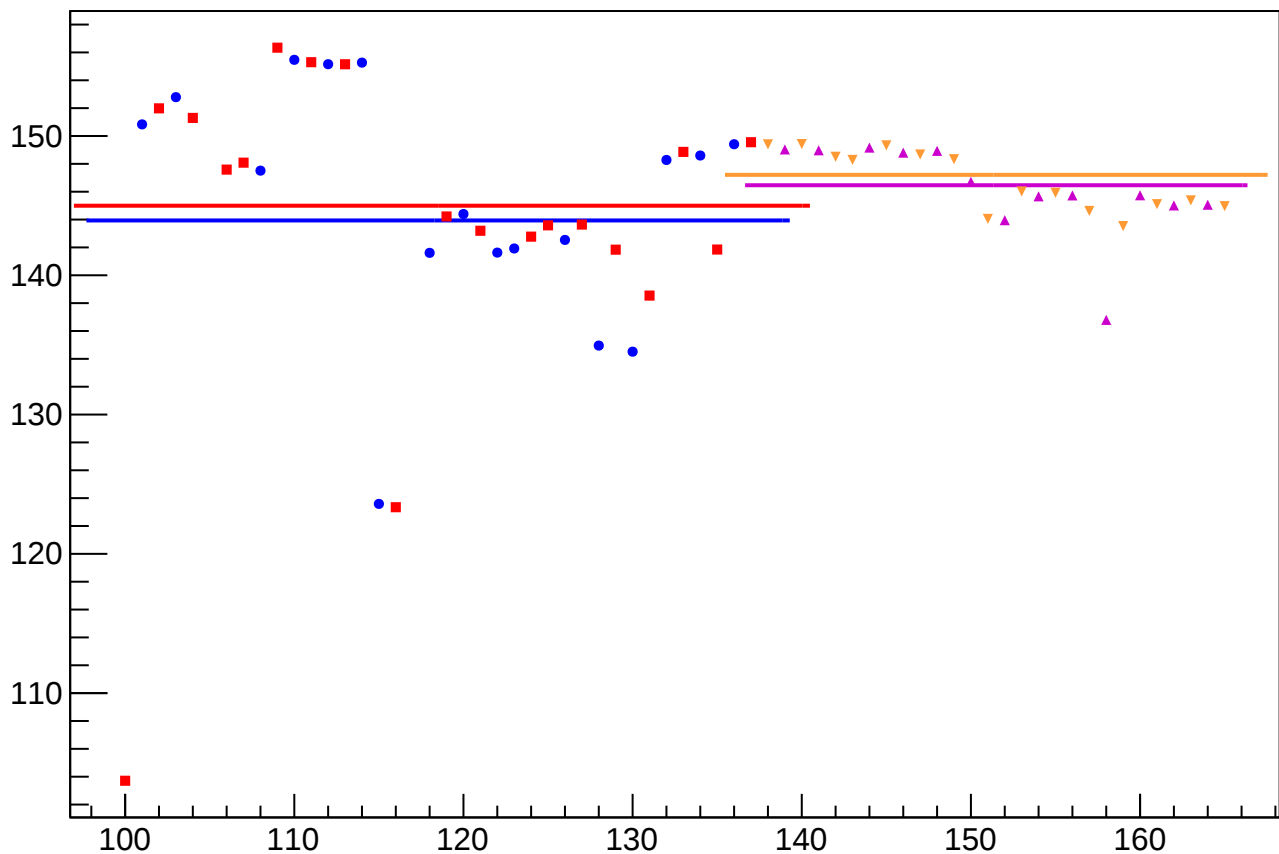
Left In: 0.410 ± 0.000 χ^2/NDF : 530417.7/12

+ sign 0.371 ± 0.000 χ^2/NDF : 2329196.8/31

All: 0.372 ± 0.000 χ^2/NDF : 4369679.0/63

- sign 0.373 ± 0.000 χ^2/NDF : 2039603.1/31

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 ± 0.000 χ^2/NDF : 3379203532.9/16

Left Out: 147.211 ± 0.000 χ^2/NDF : 270091618.4/14

Right Out: 144.995 ± 0.000 χ^2/NDF : 3934069043.2/18

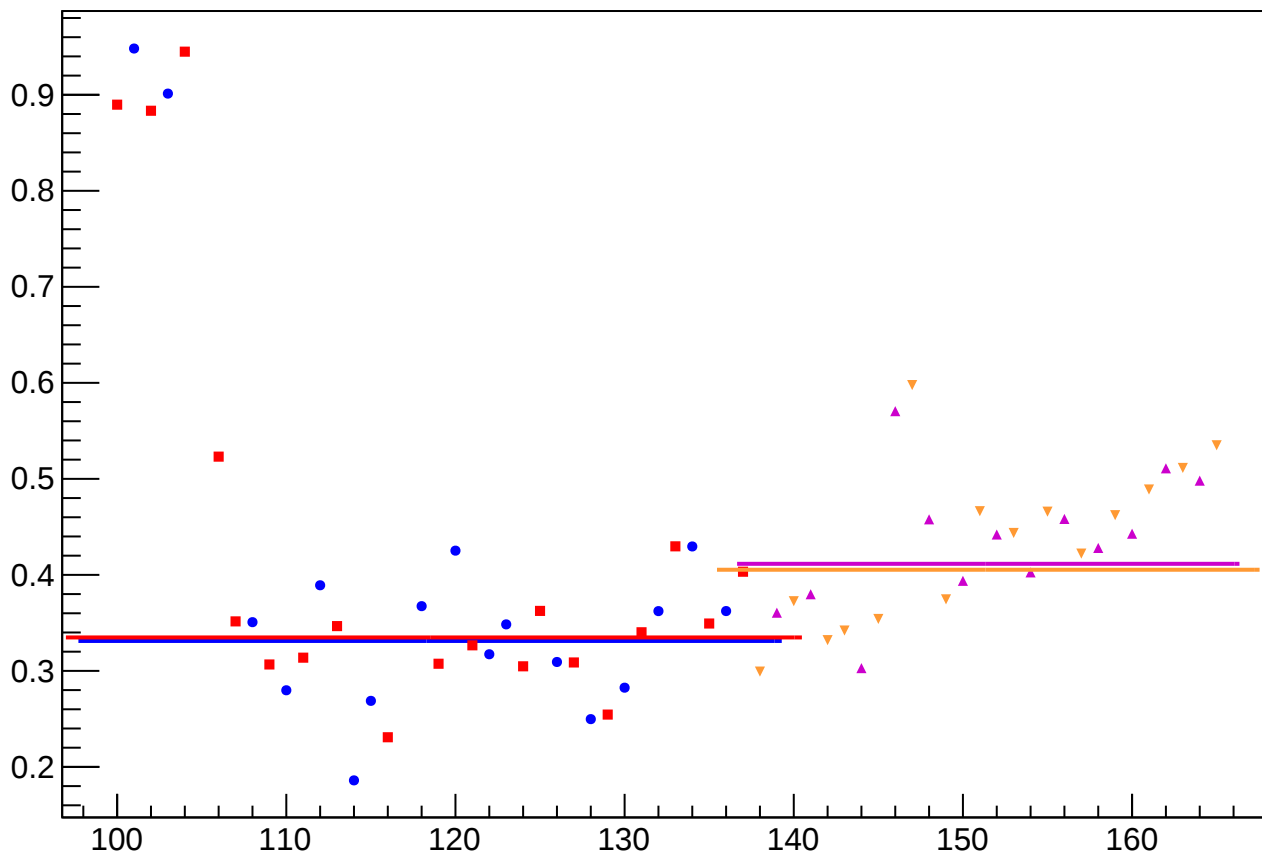
Left In: 146.464 ± 0.000 χ^2/NDF : 593448442.4/12

+ sign 145.745 ± 0.000 χ^2/NDF : 3948280987.2/31

All: 145.753 ± 0.000 χ^2/NDF : 8534508666.4

- sign 145.761 ± 0.000 χ^2/NDF : 4586213351.7/31

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 $\pm$ 0.000 χ^2 /NDF: 1295749.0/16

Left Out: 0.405 $\pm$ 0.000 χ^2 /NDF: 726340.3/14

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1172239.8/18

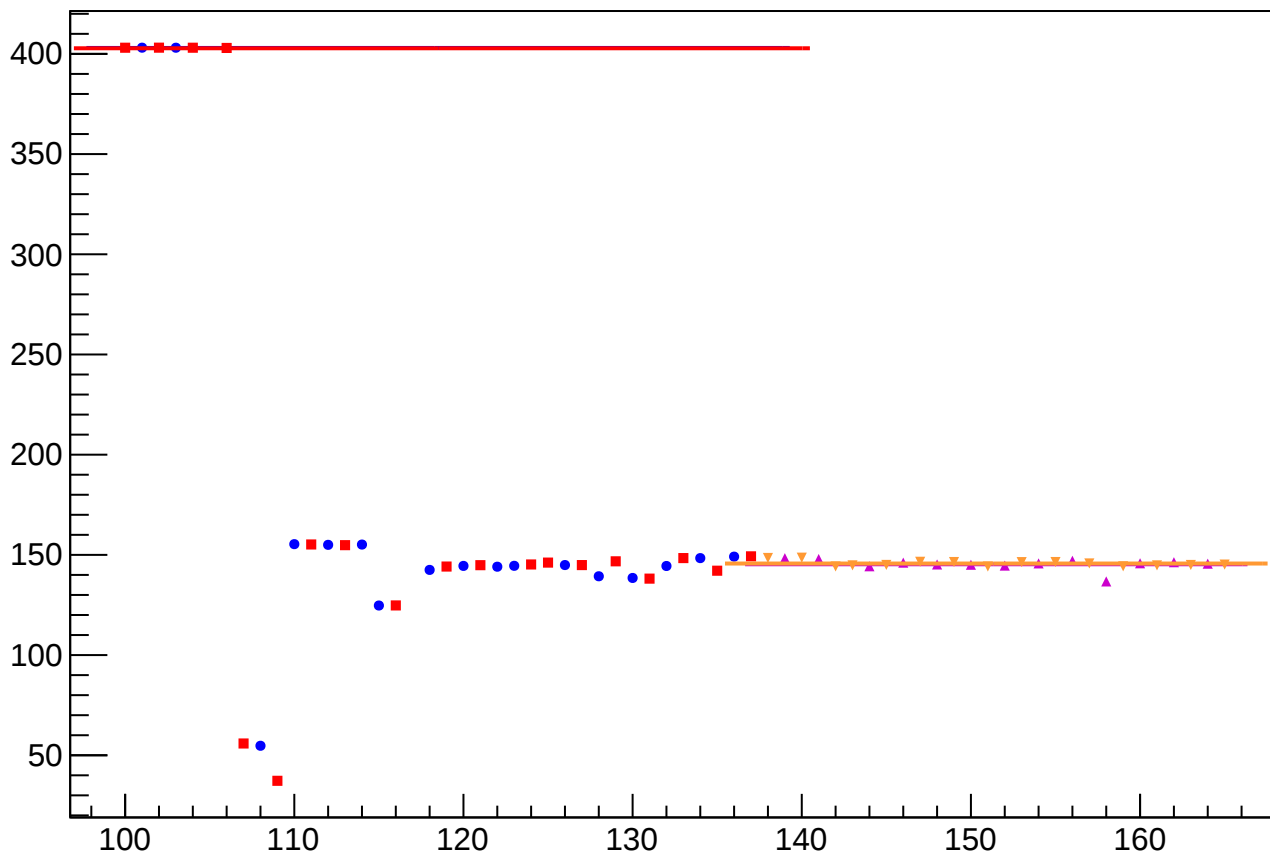
Left In: 0.412 $\pm$ 0.000 χ^2 /NDF: 512986.7/12

+ sign 0.372 $\pm$ 0.000 χ^2 /NDF: 2328969.5/31

All: 0.373 $\pm$ 0.000 χ^2 /NDF: 4334771.7/63

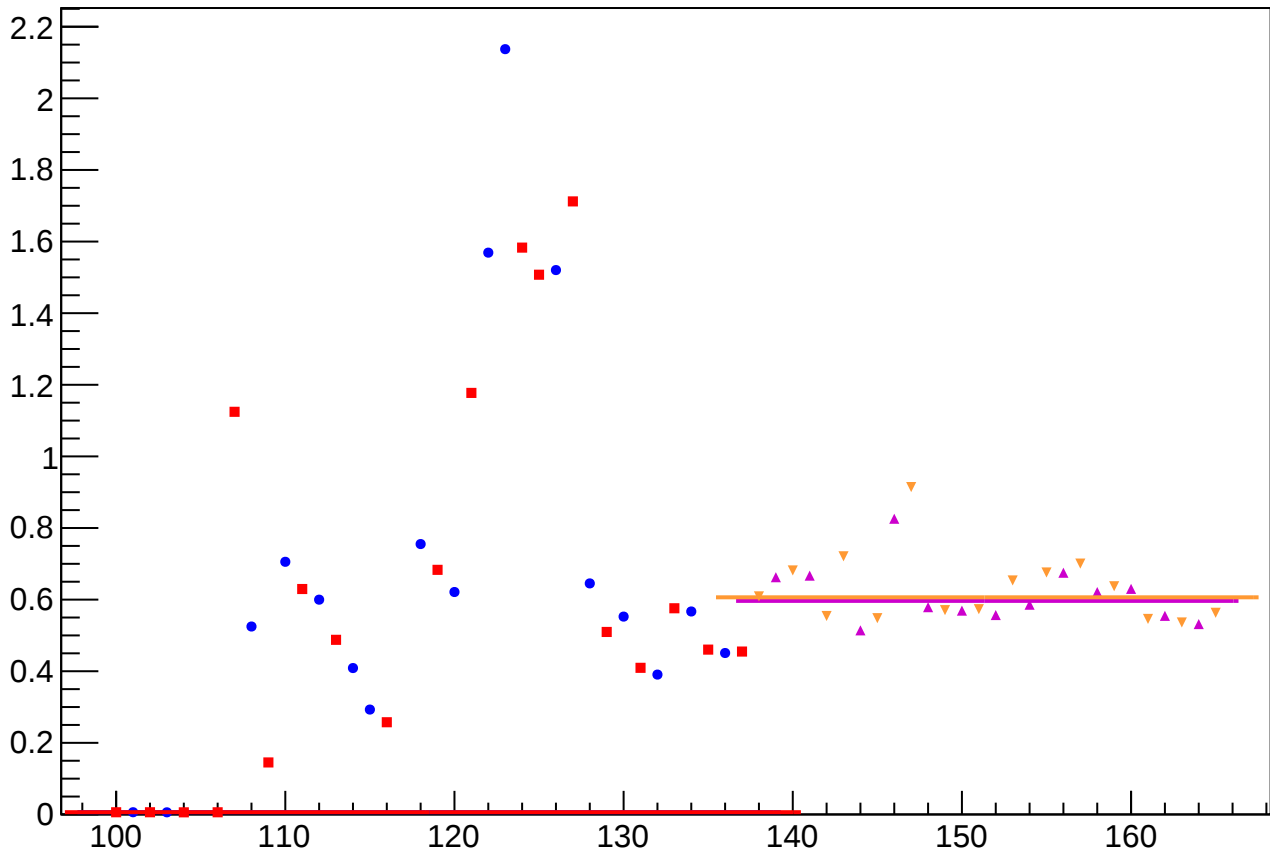
- sign 0.375 $\pm$ 0.000 χ^2 /NDF: 2005002.3/31

yield_cav4bQ_mean vs Slug



Right In: 402.957 $\pm$ 0.000 χ^2 /NDF: 1096710296821.6/16
 Left Out: 145.682 $\pm$ 0.000 χ^2 /NDF: 40535467.6/14
 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 402.783 $\pm$ 0.000 χ^2 /NDF: 2494288157699.1
 All: 402.713 $\pm$ 0.000 χ^2 /NDF: 692771705407.0
 - 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: 0.606+/-0.000 χ^2/NDF :255212.4/14

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

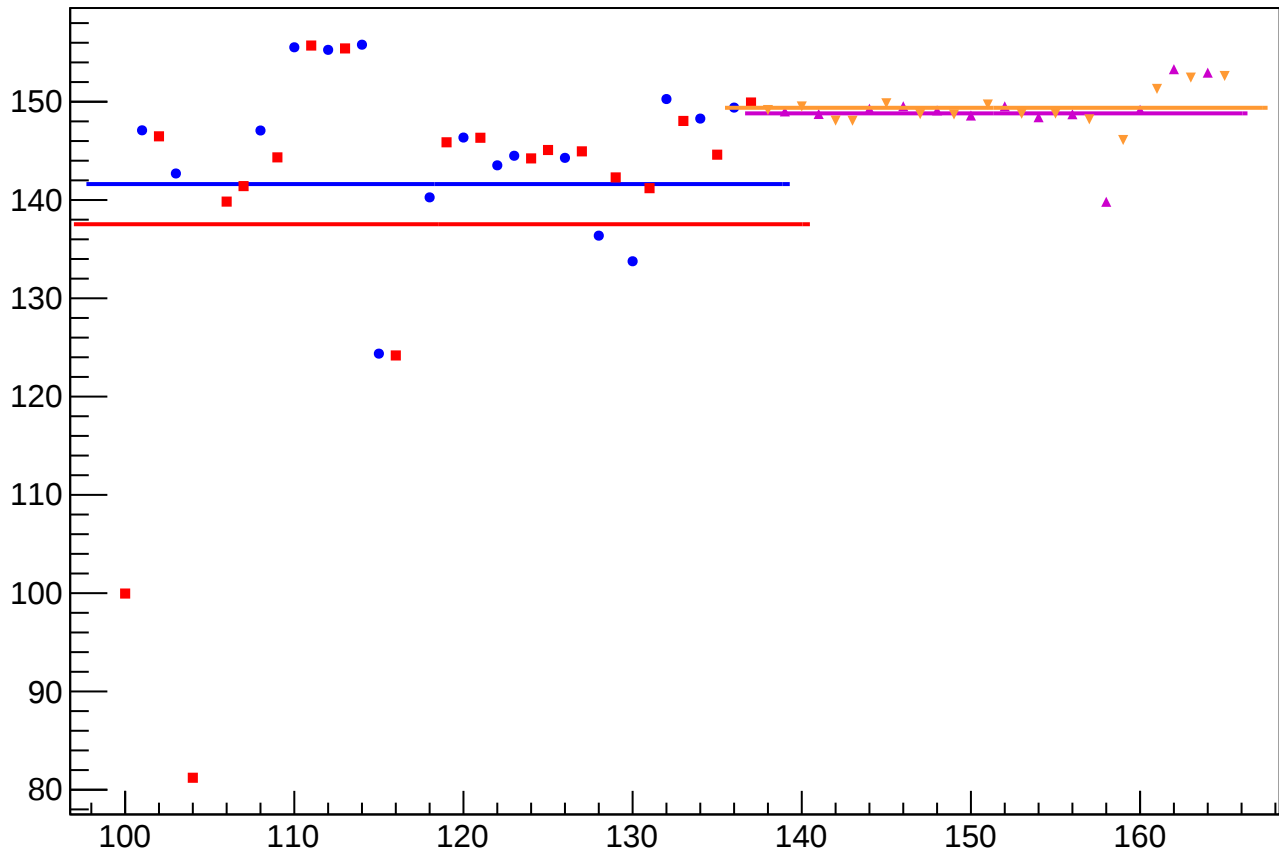
Left In: 0.596+/-0.000 χ^2/NDF :187499.5/12

+ sign 0.007+/-0.000 χ^2/NDF : 24622852.9/31

All: 0.007+/-0.000 χ^2/NDF : 47987572.9/63

- sign 0.007+/-0.000 χ^2/NDF : 23364494.5/31

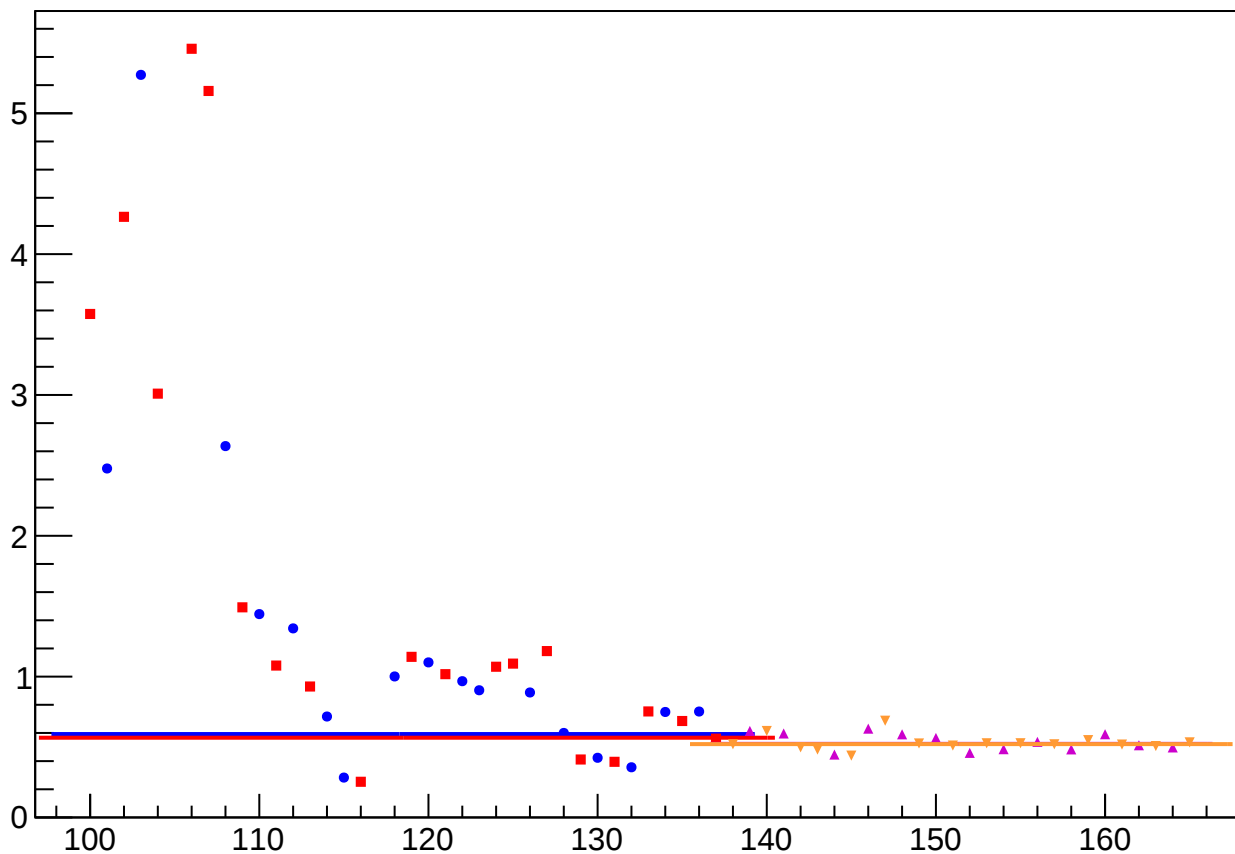
yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16
 Left Out: 149.383 $\pm$ 0.000 χ^2 /NDF: 102598823.6/14
 Right Out: 137.536 $\pm$ 0.000 χ^2 /NDF: 1315768553.6/18
 Left In: 148.816 $\pm$ 0.000 χ^2 /NDF: 353728346.3/12

+ sign 147.677 $\pm$ 0.000 χ^2 /NDF: 1560181328.2/31
 All: 146.896 $\pm$ 0.000 χ^2 /NDF: 4310077760.5
 - sign 146.074 $\pm$ 0.000 χ^2 /NDF: 2692325772.1/31

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.521 $\pm$ 0.000 χ^2 /NDF:169961.0/14

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4682140.9/18

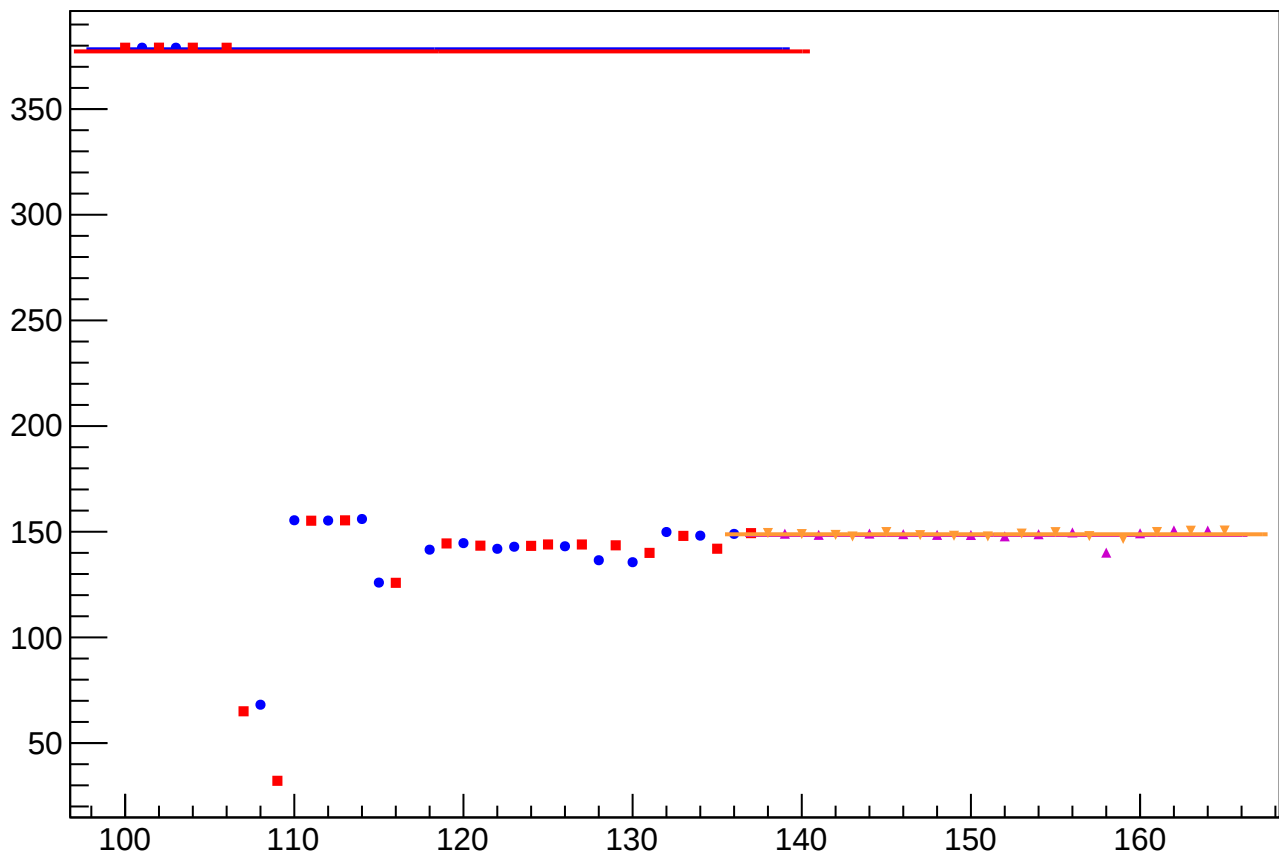
Left In: 0.523 $\pm$ 0.000 χ^2 /NDF:225165.0/12

+ sign 0.537 $\pm$ 0.000 χ^2 /NDF: 3772115.6/31

All: 0.535 $\pm$ 0.000 χ^2 /NDF: 8710476.6/63

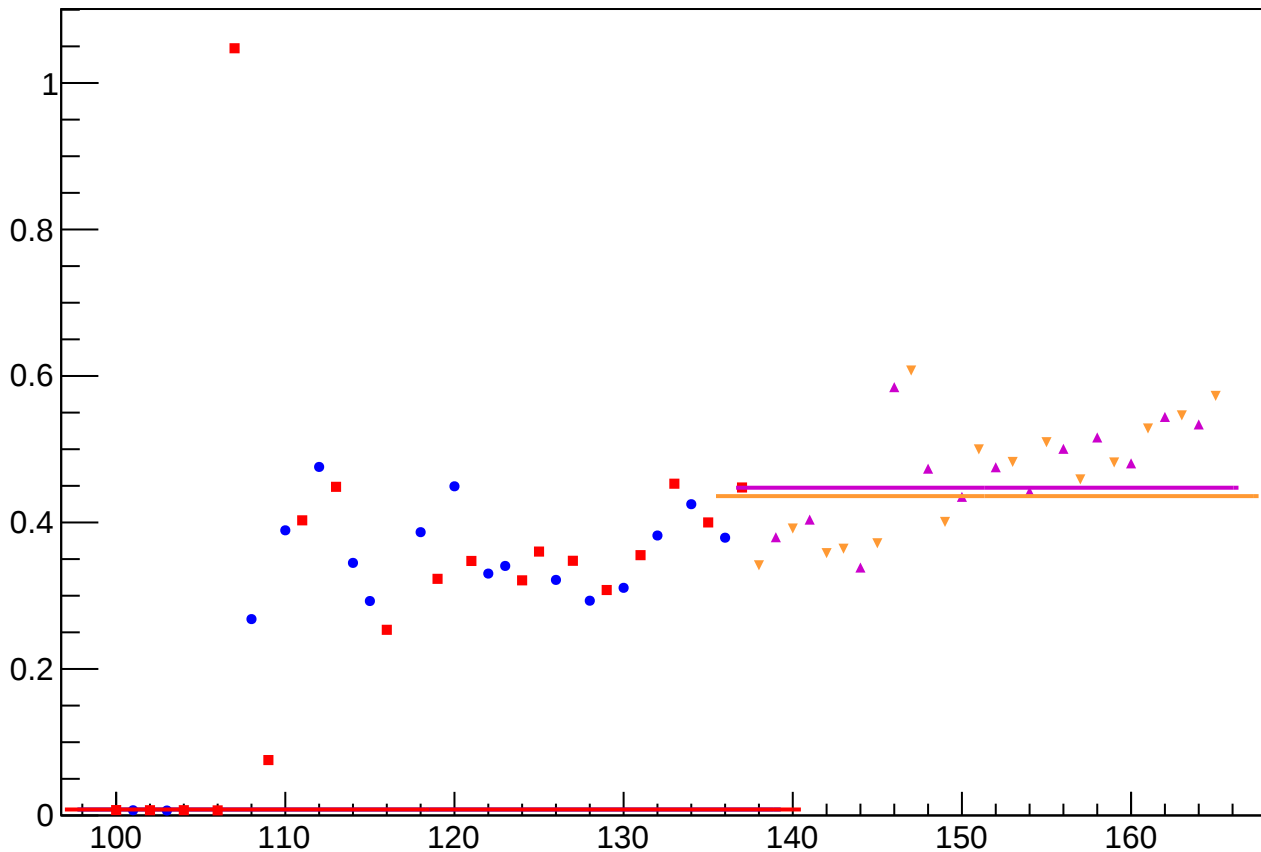
- sign 0.533 $\pm$ 0.000 χ^2 /NDF: 4937856.9/31

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000	χ^2/NDF : 2512261599188.1/16	+ sign 377.344+/-0.000	χ^2/NDF : 5376547131824.8
Left Out: 148.792+/-0.000	χ^2/NDF : 57420674.0/14	All: 376.926+/-0.000	χ^2/NDF : 161970739783
Right Out: 377.289+/-0.000	χ^2/NDF : 8279468194444.1/18	- sign 376.559+/-0.000	χ^2/NDF : 10816137081225.2
Left In: 148.494+/-0.000	χ^2/NDF : 232531525.3/12		

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.436+/-0.000 χ^2/NDF : 654233.0/14

Right Out: 0.008+/-0.000 χ^2/NDF : 9535410.6/18

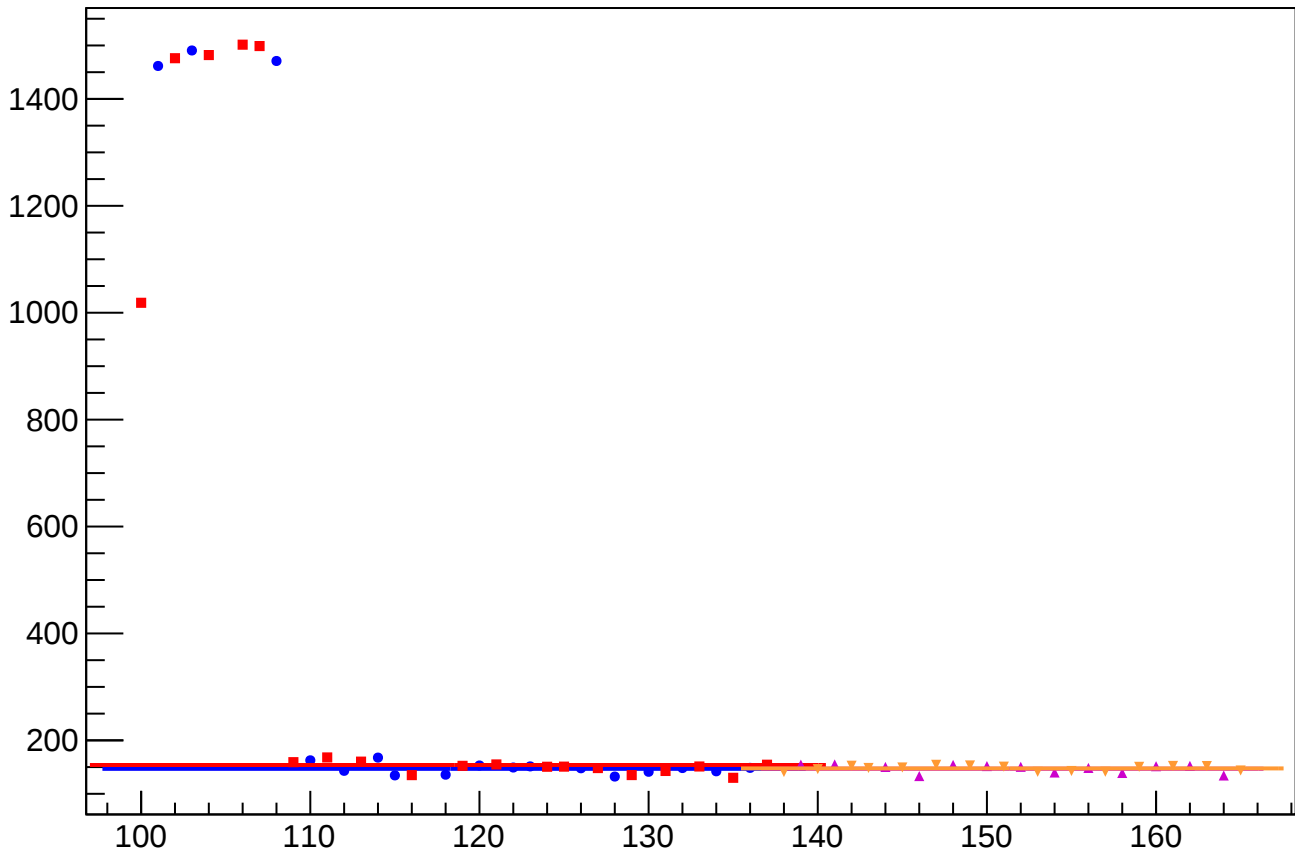
Left In: 0.447+/-0.000 χ^2/NDF : 463200.2/12

+ sign 0.010+/-0.000 χ^2/NDF : 30450976.1/31

All: 0.010+/-0.000 χ^2/NDF : 59152523.6/63

- 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: 147.500+/-0.000 χ^2/NDF : 252891991.0/14

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

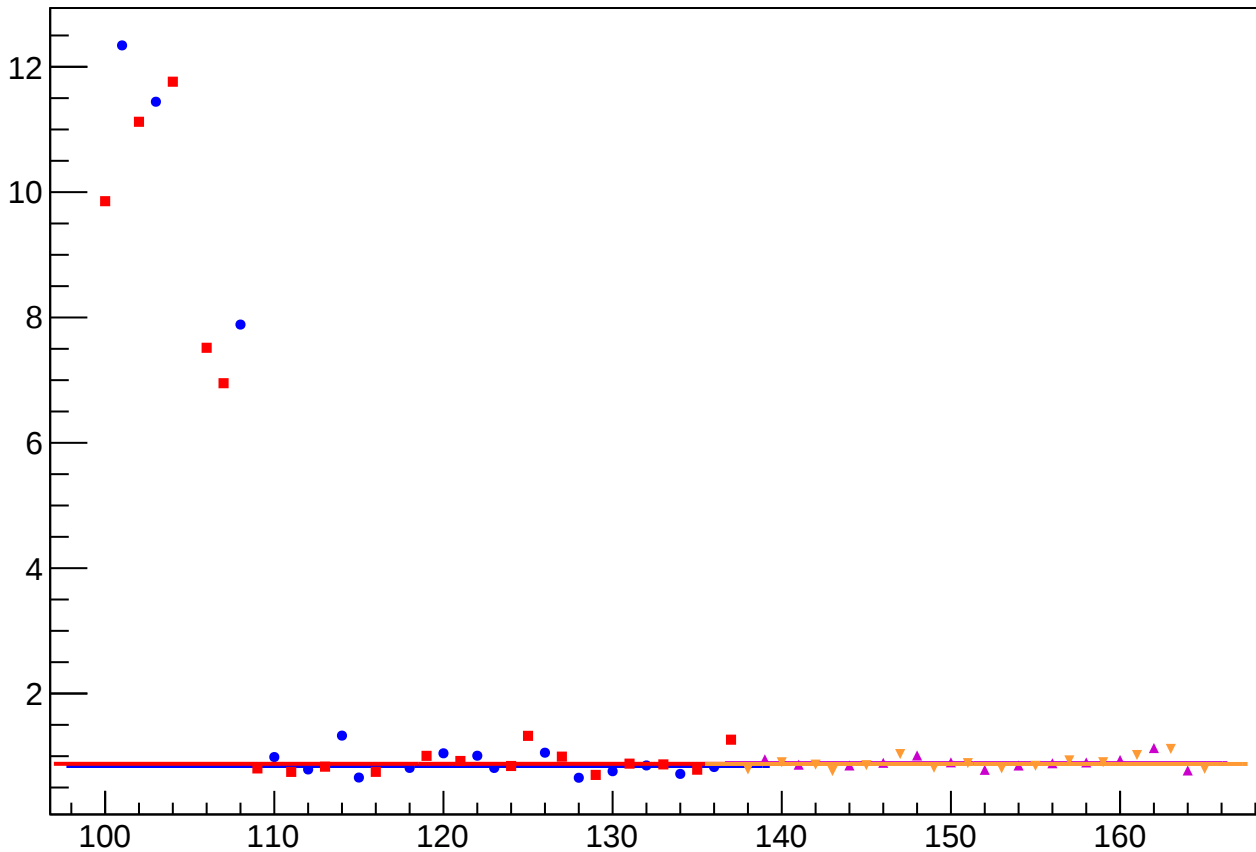
Left In: 146.887+/-0.000 χ^2/NDF : 590328939.9/12

+ sign 147.252+/-0.000 χ^2/NDF : 24605962866.7/31

All: 148.216+/-0.000 χ^2/NDF : 59138556390.0

- 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: 0.876 ± 0.000 χ^2/NDF : 185925.7/14

Right Out: 0.878 ± 0.000 χ^2/NDF : 2812500.6/18

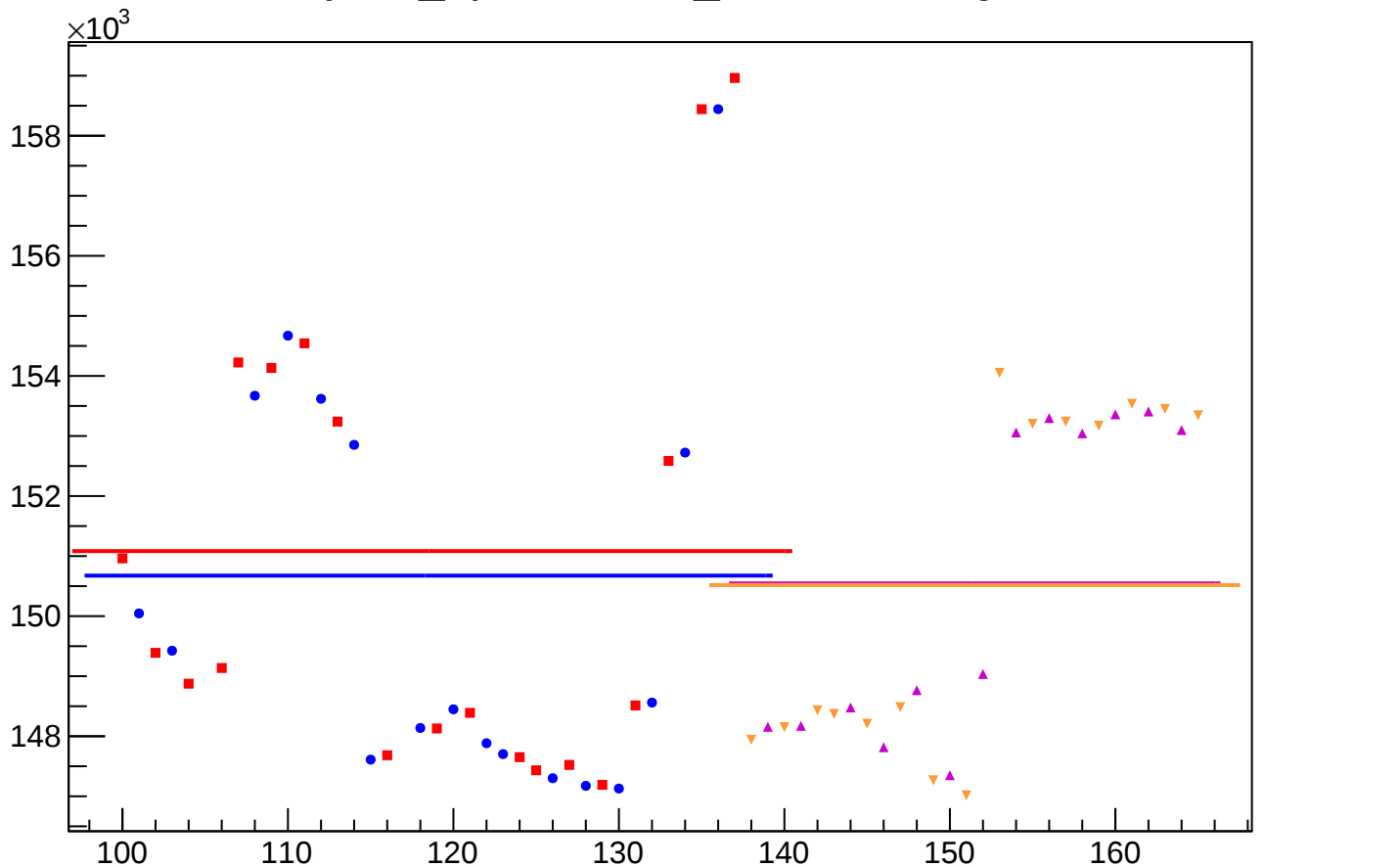
Left In: 0.890 ± 0.000 χ^2/NDF : 141538.3/12

+ sign 0.866 ± 0.000 χ^2/NDF : 2863977.8/31

All: 0.875 ± 0.000 χ^2/NDF : 5825616.0/63

- sign 0.886 ± 0.000 χ^2/NDF : 2954952.0/31

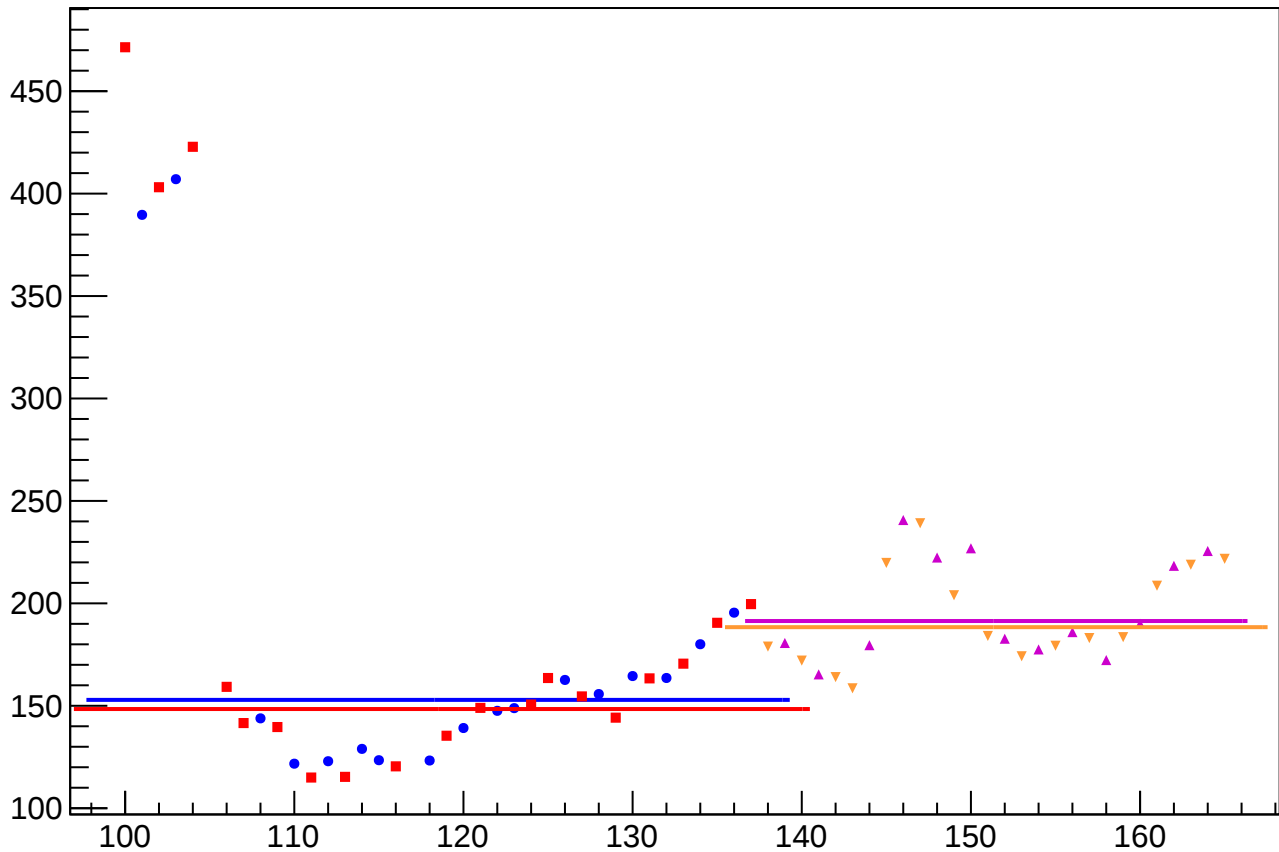
yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 ± 0.063 $\chi^2/\text{NDF}: 3309974859.4/16$
 Left Out: 150516.834 ± 0.057 $\chi^2/\text{NDF}: 2346543610.6/14$
 Right Out: 151083.268 ± 0.060 $\chi^2/\text{NDF}: 3300830370.5/18$
 Left In: 150545.229 ± 0.060 $\chi^2/\text{NDF}: 1664340622.3/12$

+ sign 150588.484 ± 0.042 $\chi^2/\text{NDF}: 5659971949.8$
 All: 150702.817 ± 0.030 $\chi^2/\text{NDF}: 106798370$
 - sign 150817.732 ± 0.042 $\chi^2/\text{NDF}: 5005267604.5/$

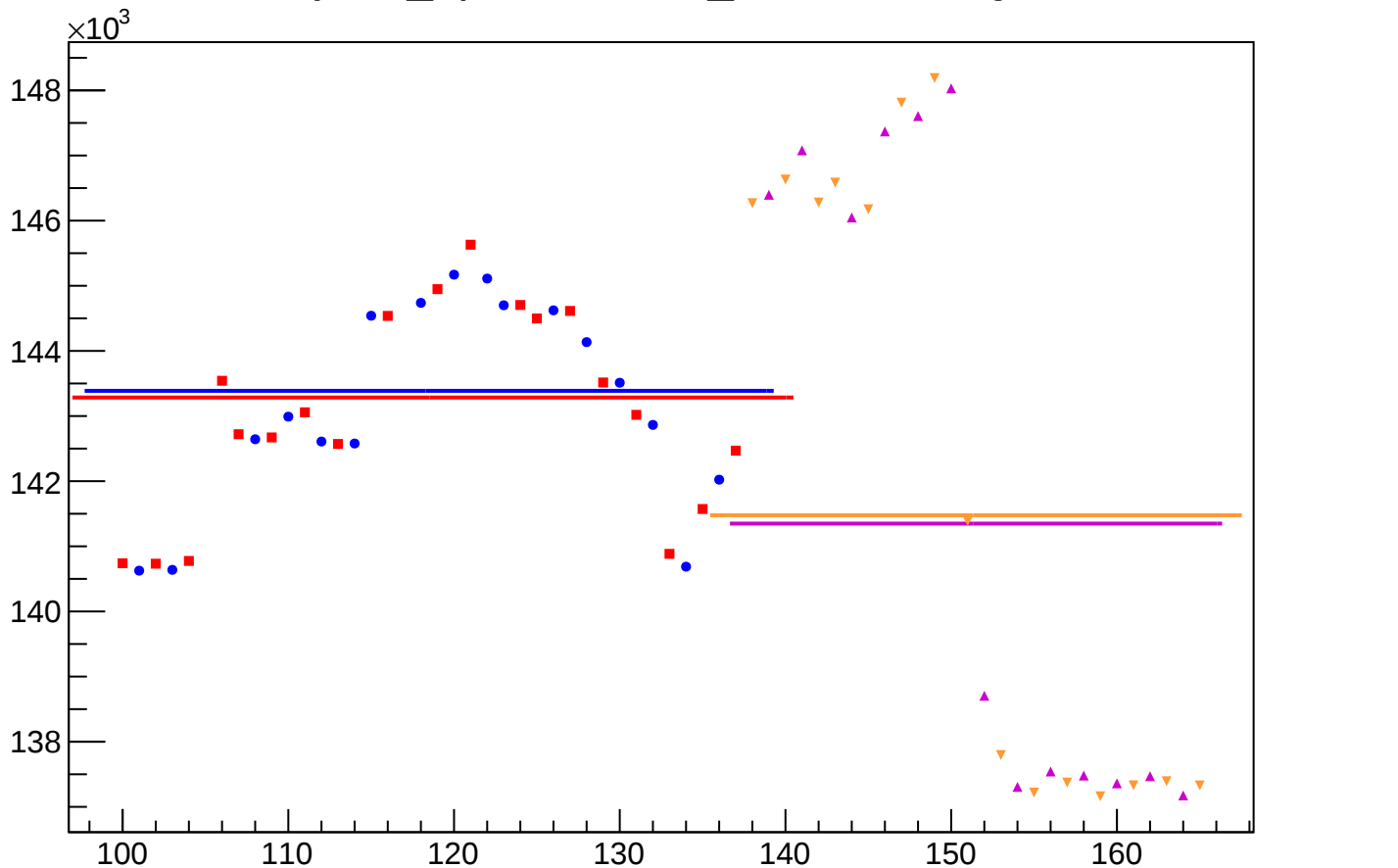
yield_bpm0i01WS_rms vs Slug



Right In: 152.883 ± 0.045 χ^2/NDF : 1154088.7/16
 Left Out: 188.373 ± 0.041 χ^2/NDF : 281039.2/14
 Right Out: 148.418 ± 0.042 χ^2/NDF : 1191577.6/18
 Left In: 191.375 ± 0.043 χ^2/NDF : 277394.4/12

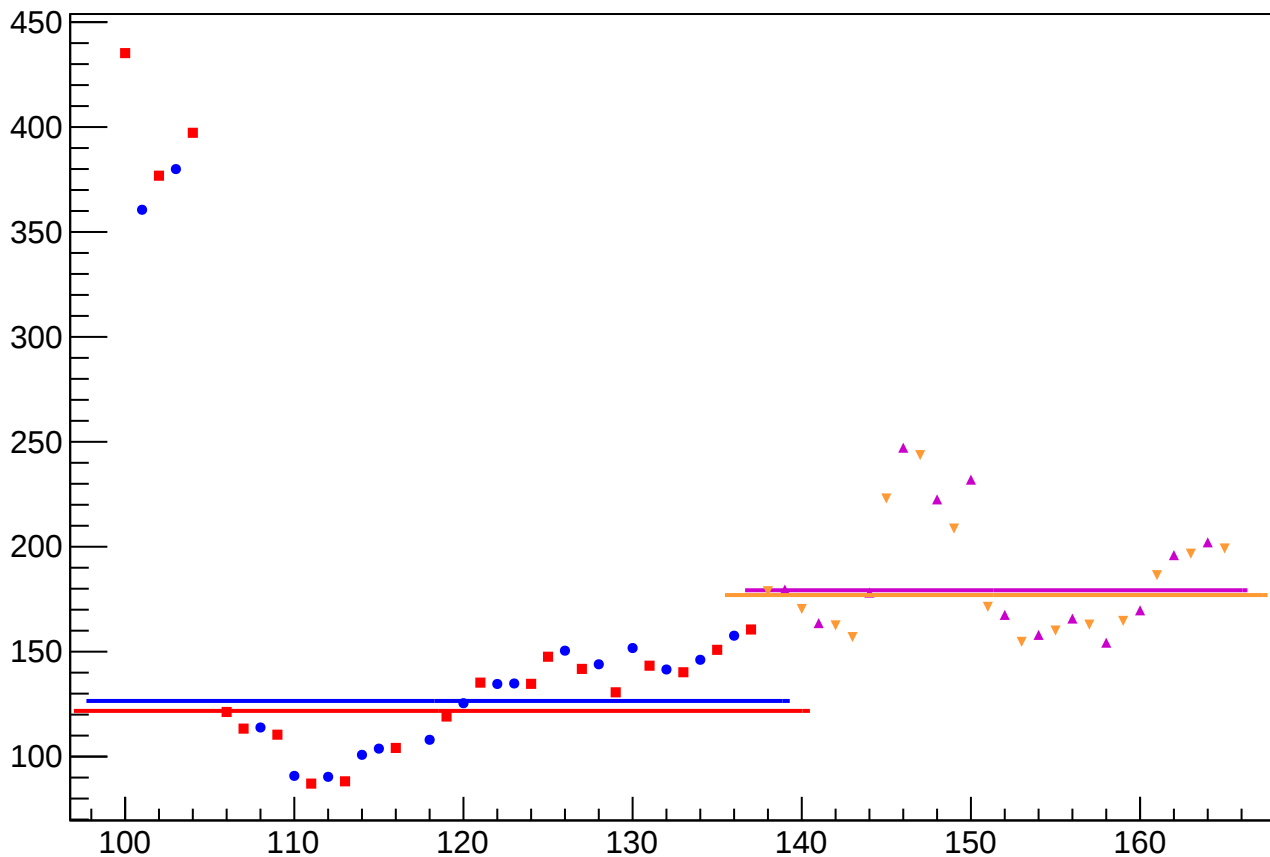
+ sign 172.299 ± 0.030 χ^2/NDF : 1782769.9/31
 All: 170.962 ± 0.021 χ^2/NDF : 3766921.8/63
 - sign 169.619 ± 0.030 χ^2/NDF : 1980161.6/31

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099+/-0.053 χ^2/NDF : 521299875.7/16
 Left Out: 141476.519+/-0.054 χ^2/NDF : 6961030773.6/14
 Right Out: 143284.757+/-0.049 χ^2/NDF : 608634820.1/18
 Left In: 141348.473+/-0.057 χ^2/NDF : 6591108635.7/12
 All: 142456.016+/-0.026 χ^2/NDF : 159874374
 + sign 142454.064+/-0.038 χ^2/NDF : 8123611874.9
 - sign 142457.911+/-0.037 χ^2/NDF : 7863820311.6

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2/NDF : 1441685.0/16

Left Out: 176.978 $\pm$ 0.038 χ^2/NDF : 353655.2/14

Right Out: 121.772 $\pm$ 0.035 χ^2/NDF : 1463829.4/18

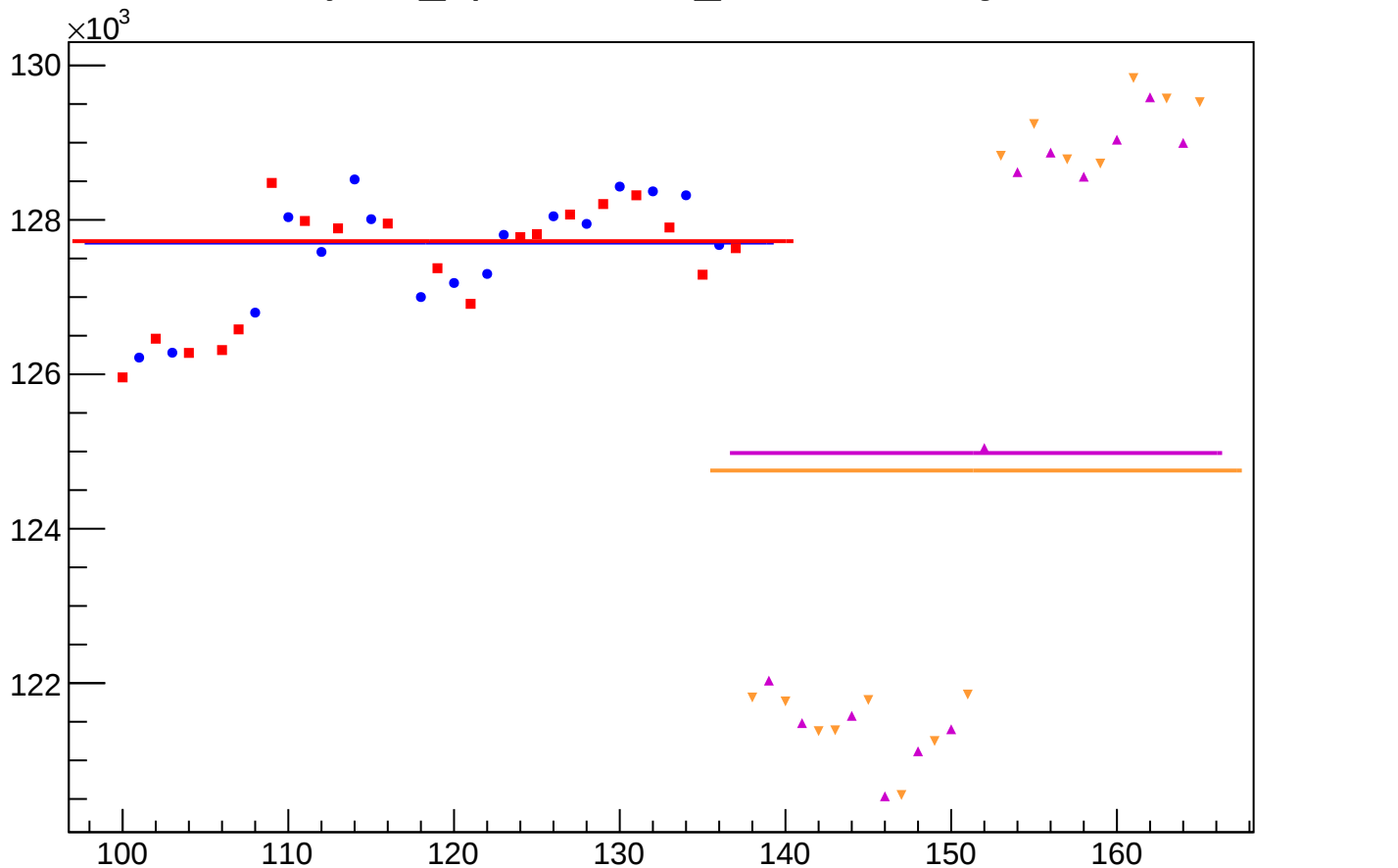
Left In: 179.264 $\pm$ 0.040 χ^2/NDF : 403595.7/12

+ sign 151.158 $\pm$ 0.027 χ^2/NDF : 2690119.1/31

All: 148.705 $\pm$ 0.019 χ^2/NDF : 5745120.6/63

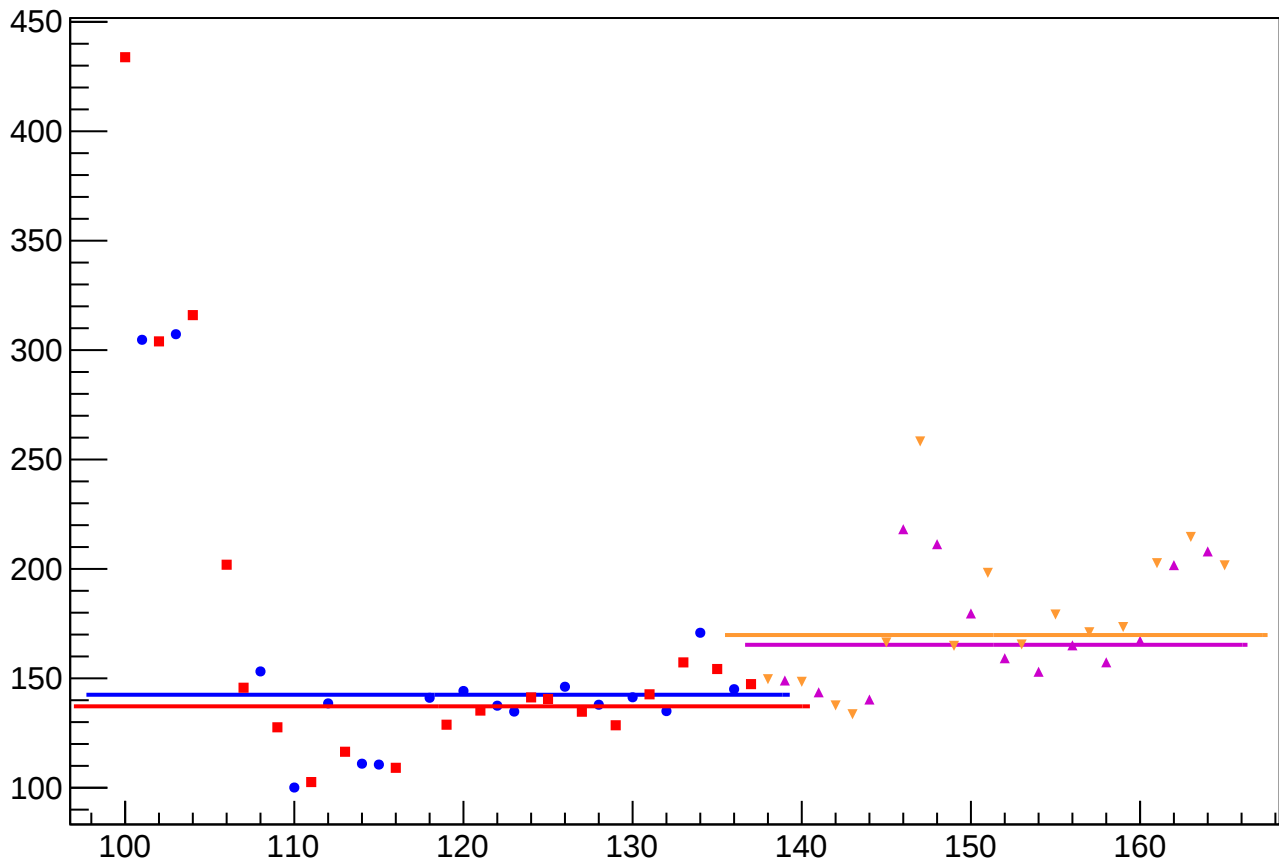
- sign 146.323 $\pm$ 0.026 χ^2/NDF : 3038320.3/31

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194+/-0.058	χ^2/NDF : 97860521.1/16	+ sign 126079.605+/-0.039	χ^2/NDF : 6689907793.8
Left Out: 124753.679+/-0.052	χ^2/NDF : 5167336475.6/14	All: 126196.134+/-0.027	χ^2/NDF : 126619502
Right Out: 127724.256+/-0.055	χ^2/NDF : 112614317.2/18	- sign 126306.760+/-0.038	χ^2/NDF : 5954556704.3/12
Left In: 124980.549+/-0.053	χ^2/NDF : 4533854127.2/12		

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 ± 0.041 χ^2/NDF : 836263.7/16

Left Out: 169.793 ± 0.037 χ^2/NDF : 551254.6/14

Right Out: 137.211 ± 0.039 χ^2/NDF : 957317.1/18

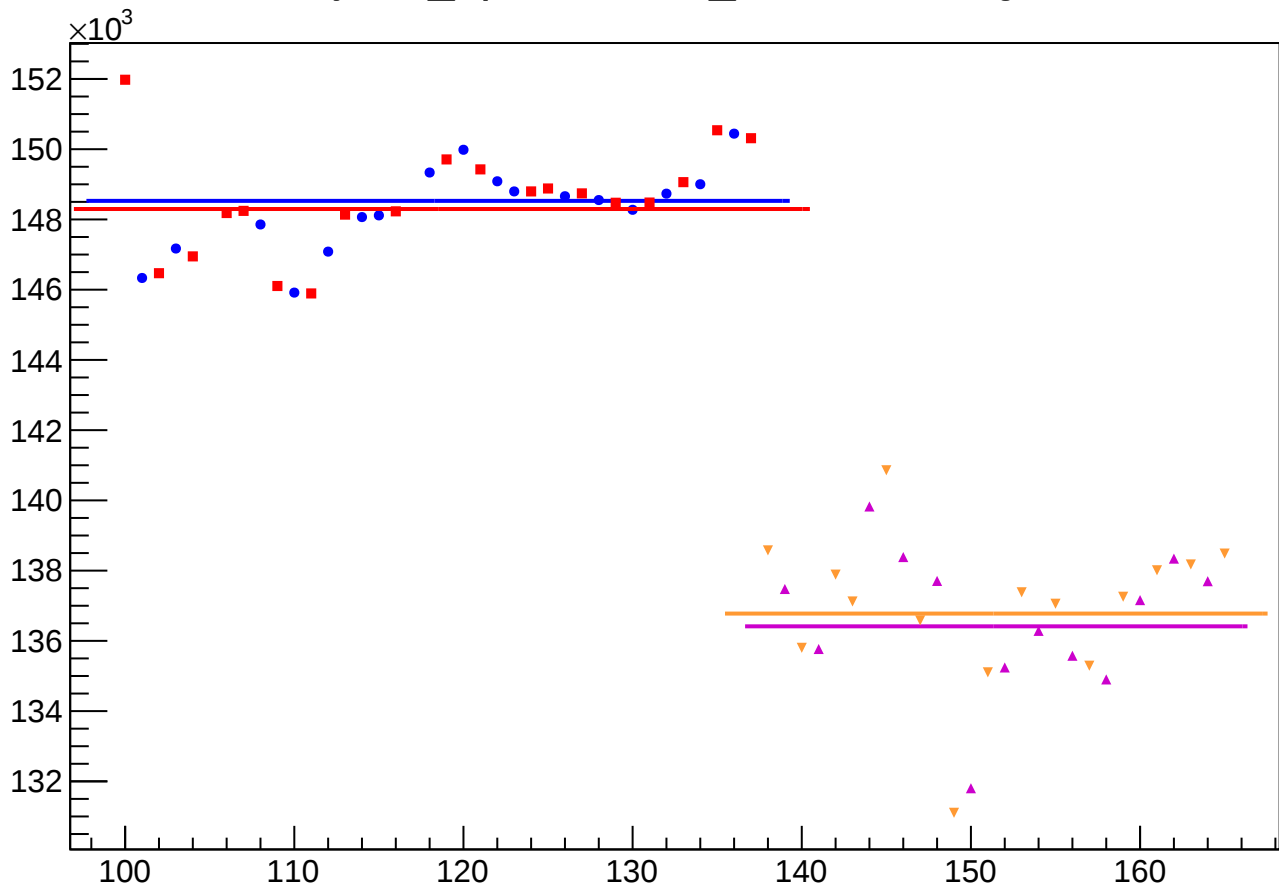
Left In: 165.325 ± 0.037 χ^2/NDF : 397080.2/12

+ sign 157.537 ± 0.028 χ^2/NDF : 1630980.9/31

All: 154.561 ± 0.019 χ^2/NDF : 3282858.6/63

- sign 151.736 ± 0.027 χ^2/NDF : 1629068.8/31

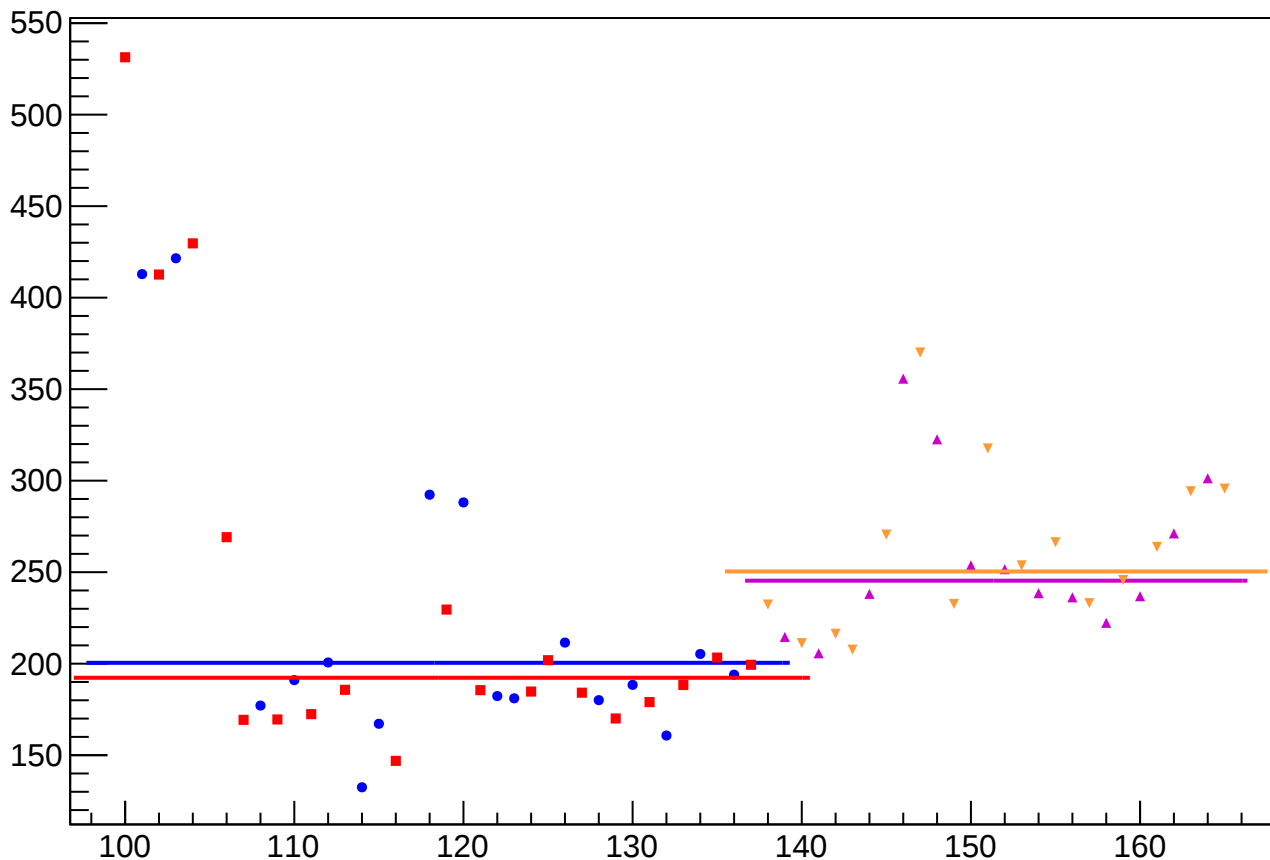
yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16
 Left Out: 136777.107 $\pm$ 0.077 χ^2 /NDF: 829653924.1/14
 Right Out: 148297.126 $\pm$ 0.076 χ^2 /NDF: 293244556.5/18
 Left In: 136413.826 $\pm$ 0.078 χ^2 /NDF: 637290678.9/12

+ sign 142260.752 $\pm$ 0.056 χ^2 /NDF: 11975715389.
 All: 142371.260 $\pm$ 0.039 χ^2 /NDF: 247615190.
 - sign 142475.985 $\pm$ 0.055 χ^2 /NDF: 12778235996.7

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 ± 0.058 χ^2/NDF : 936547.2/16

Left Out: 250.389 ± 0.054 χ^2/NDF : 464078.7/14

Right Out: 192.304 ± 0.054 χ^2/NDF : 844504.1/18

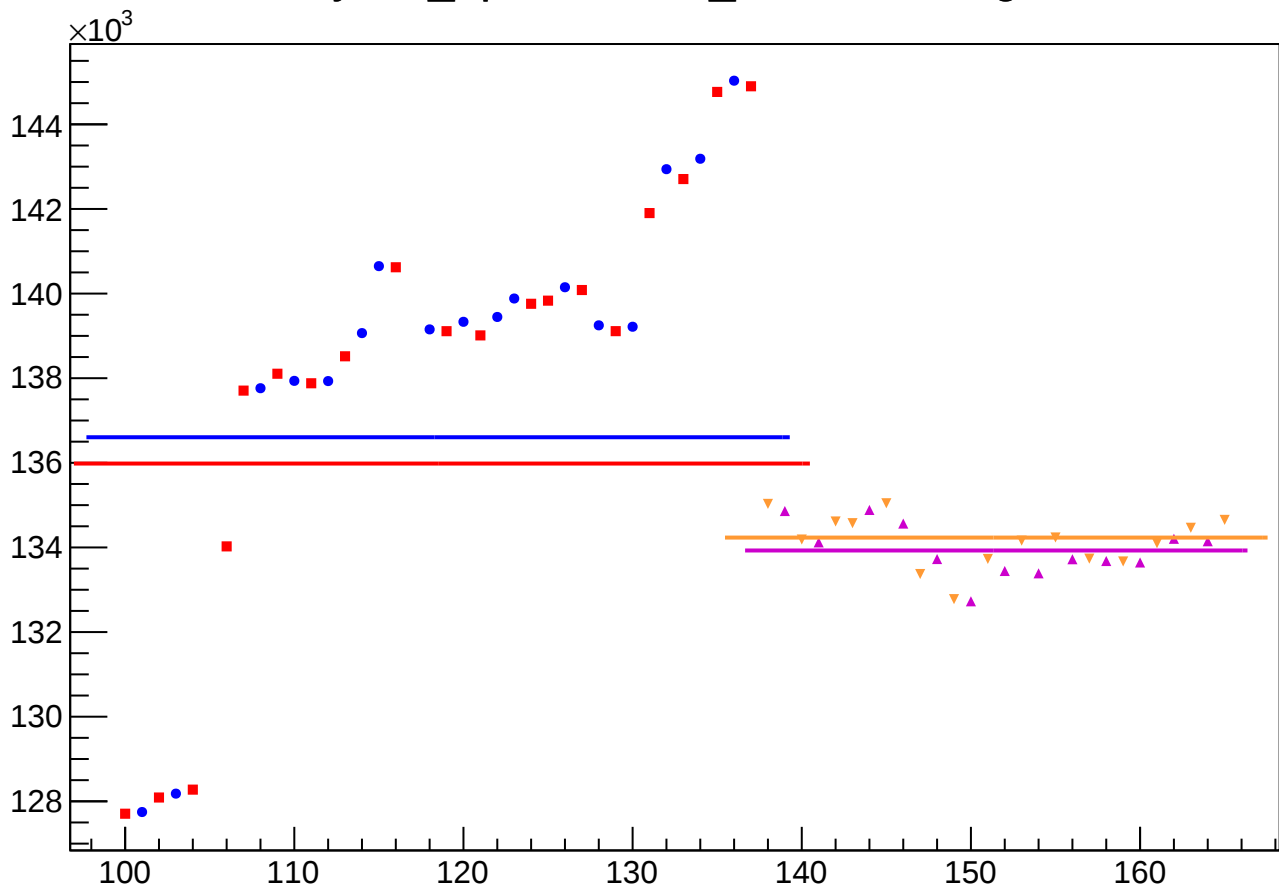
Left In: 245.343 ± 0.055 χ^2/NDF : 409255.9/12

+ sign 227.097 ± 0.040 χ^2/NDF : 1795247.2/31

All: 222.573 ± 0.028 χ^2/NDF : 3546414.7/63

- sign 218.286 ± 0.039 χ^2/NDF : 1725804.7/31

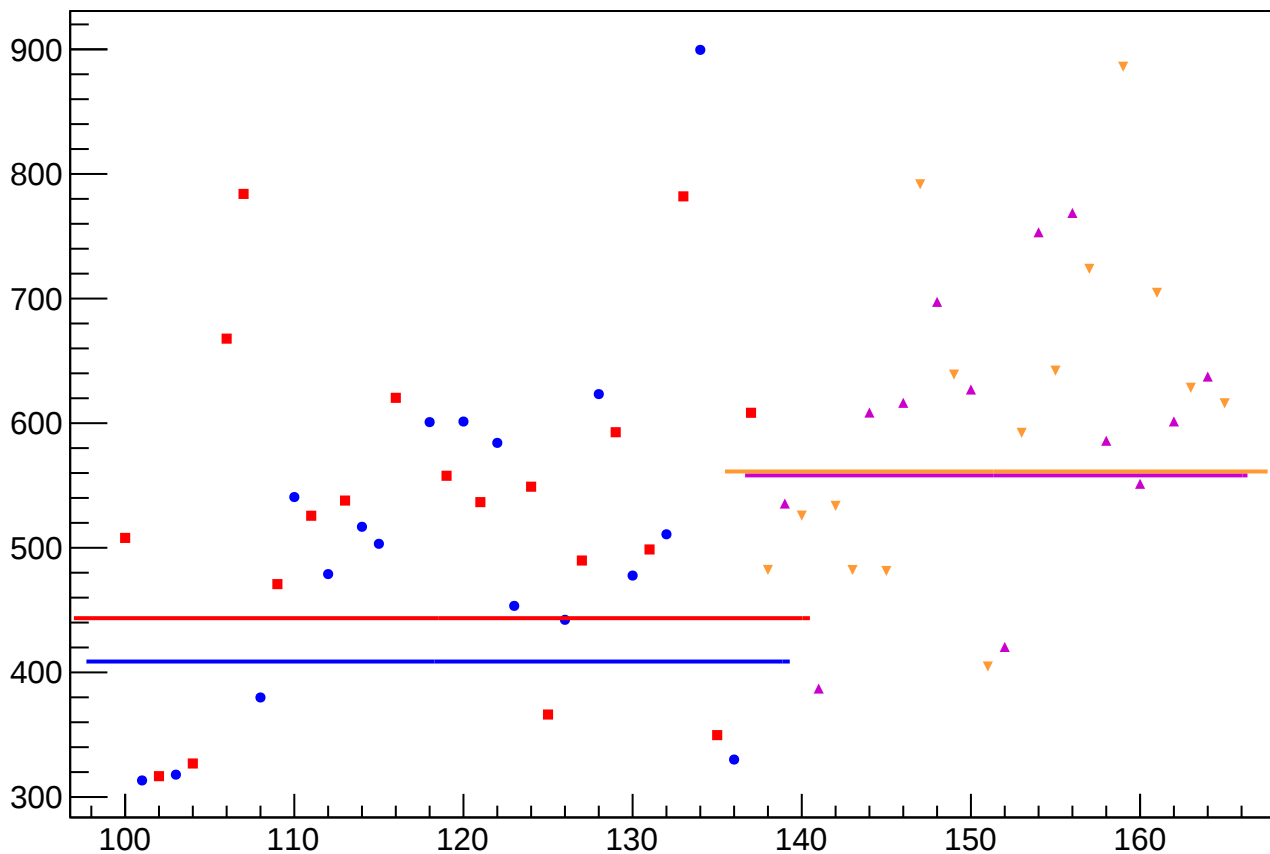
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16
 Left Out: 134233.306 $\pm$ 0.181 χ^2 /NDF: 11285455.3/14
 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 135483.086 $\pm$ 0.124 χ^2 /NDF: 1596127951.7
 All: 135255.039 $\pm$ 0.091 χ^2 /NDF: 275547986
 - 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: 561.247+/-0.128 χ^2/NDF : 828119.1/14

Right Out: 443.521+/-0.129 χ^2/NDF : 917492.4/18

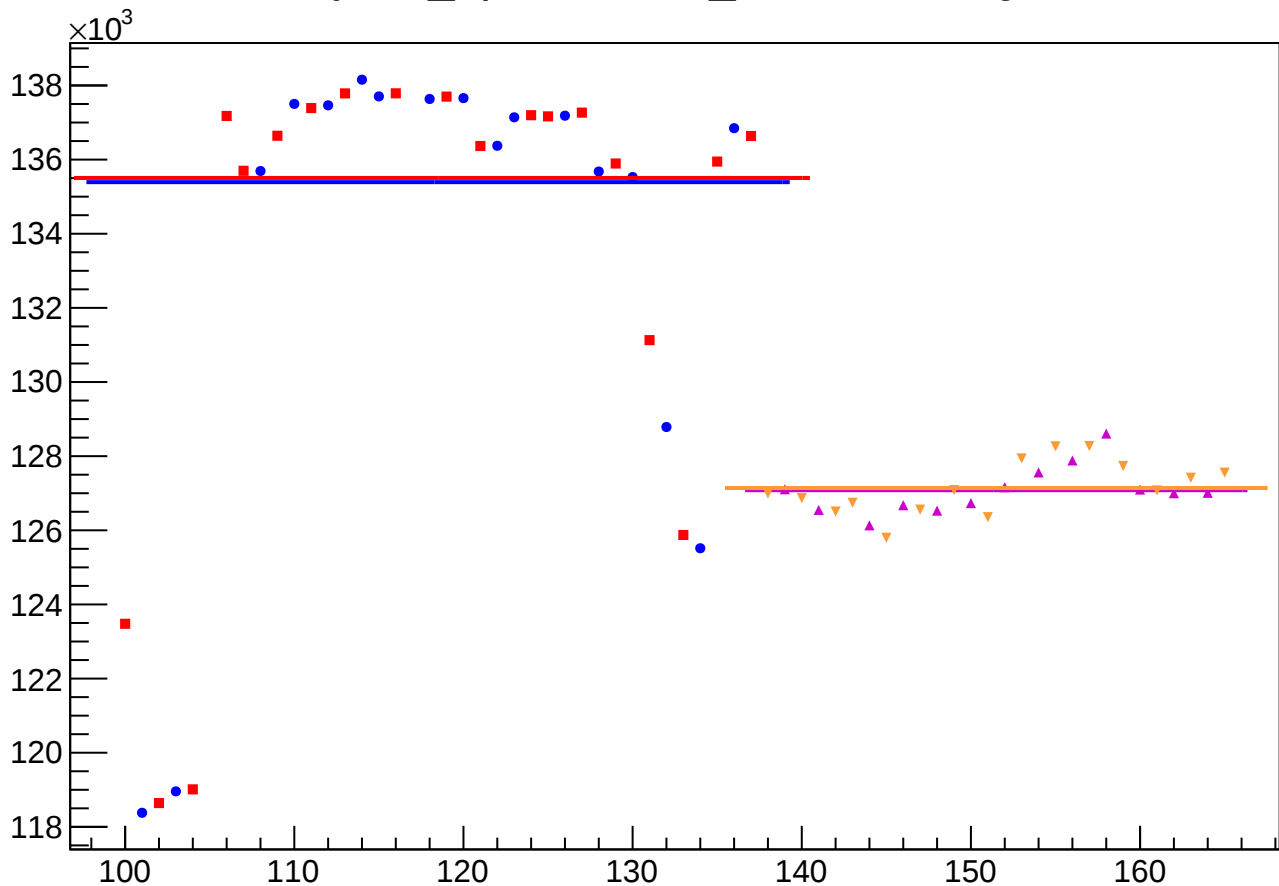
Left In: 558.103+/-0.135 χ^2/NDF : 723239.3/12

+ sign 480.864+/-0.088 χ^2/NDF : 2400027.5/31

All: 489.120+/-0.064 χ^2/NDF : 4436198.6/63

- sign 498.389+/-0.093 χ^2/NDF : 2017491.1/31

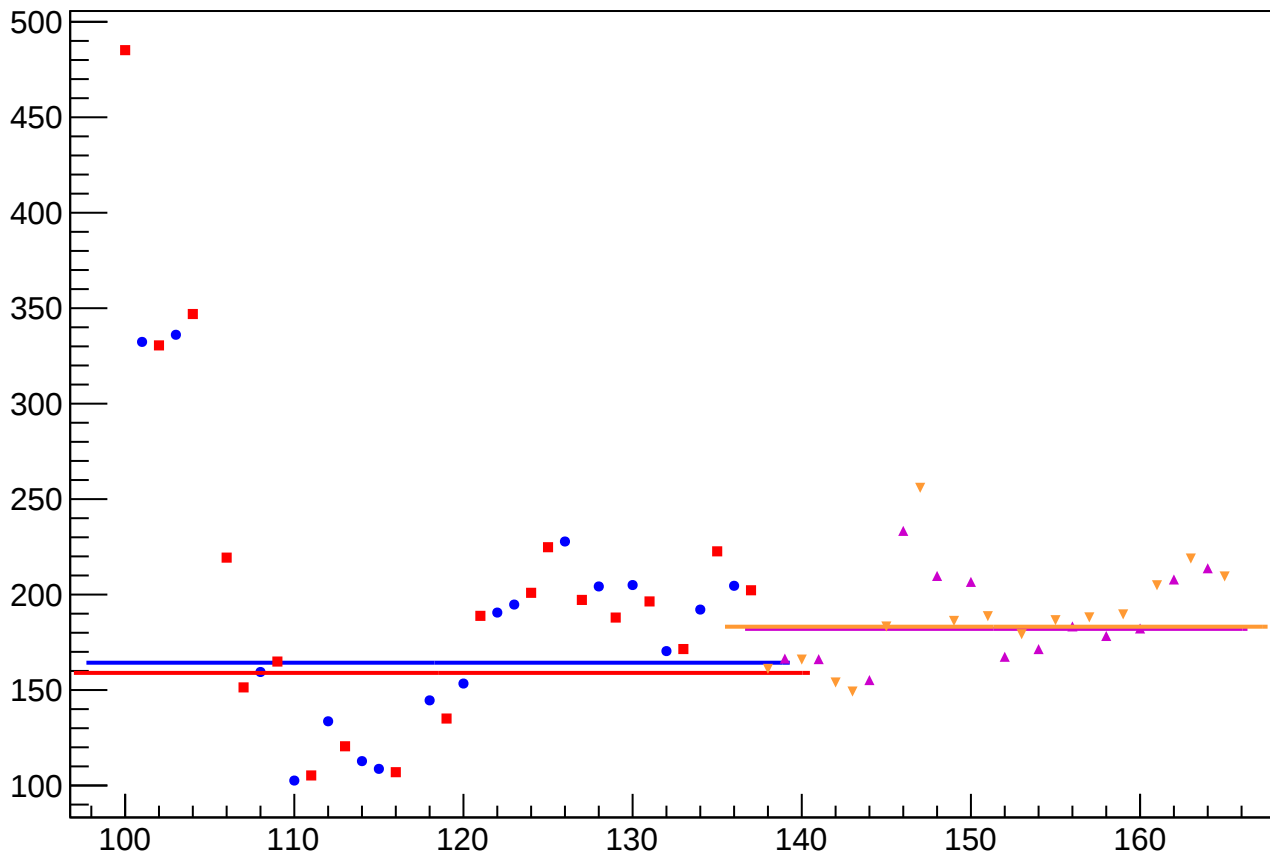
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127140.632 $\pm$ 0.056 χ^2 /NDF:154598717.4/14
 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 130460.450 $\pm$ 0.043 χ^2 /NDF: 13465385949.
 All: 130647.710 $\pm$ 0.030 χ^2 /NDF: 278579847.
 - sign 130832.096 $\pm$ 0.043 χ^2 /NDF: 14355481645.3

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 $\pm$ 0.048 χ^2 /NDF: 1230487.8/16

Left Out: 183.173 $\pm$ 0.040 χ^2 /NDF: 347130.3/14

Right Out: 158.977 $\pm$ 0.046 χ^2 /NDF: 1384059.2/18

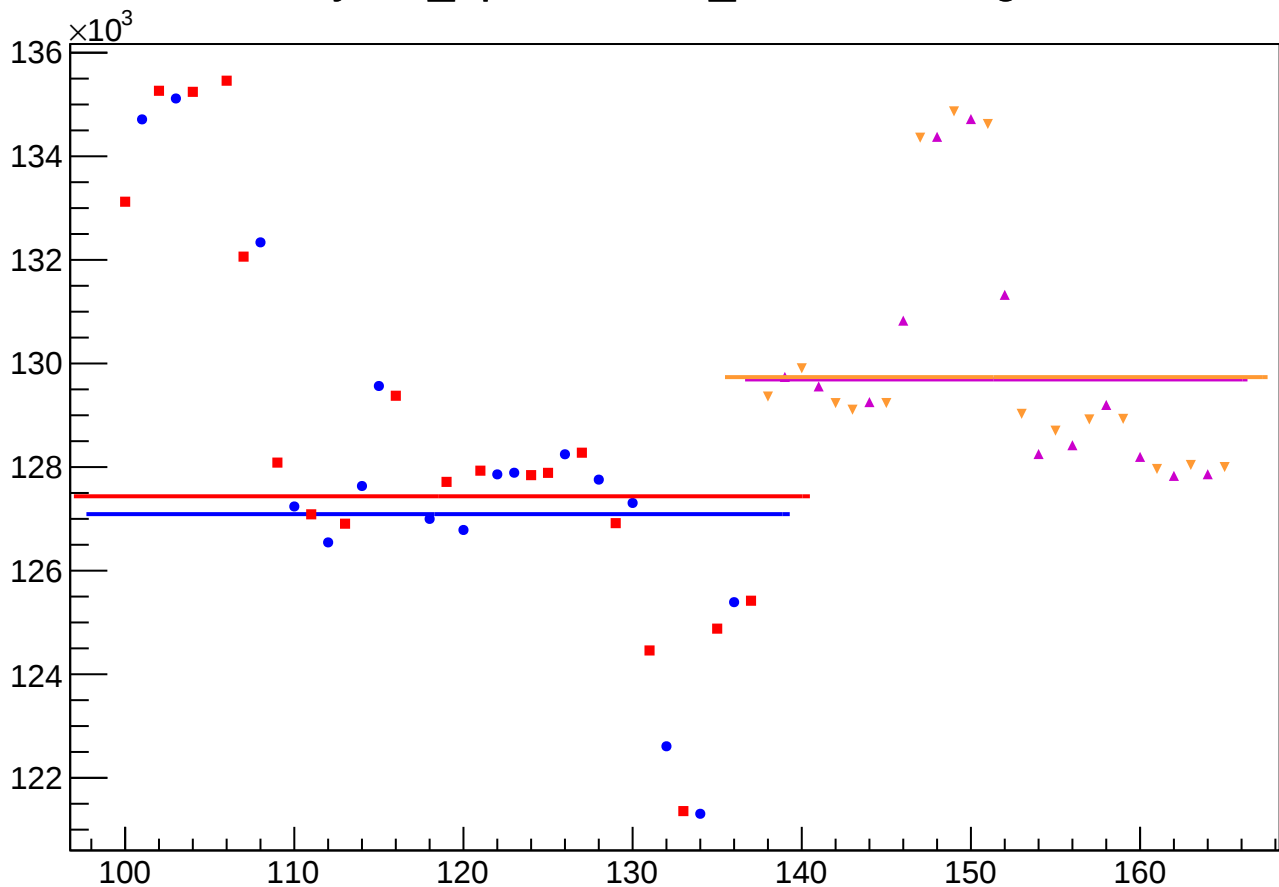
Left In: 182.034 $\pm$ 0.041 χ^2 /NDF: 272844.6/12

+ sign 175.584 $\pm$ 0.031 χ^2 /NDF: 1668874.0/31

All: 173.661 $\pm$ 0.022 χ^2 /NDF: 3475848.5/63

- sign 171.767 $\pm$ 0.030 χ^2 /NDF: 1799145.3/31

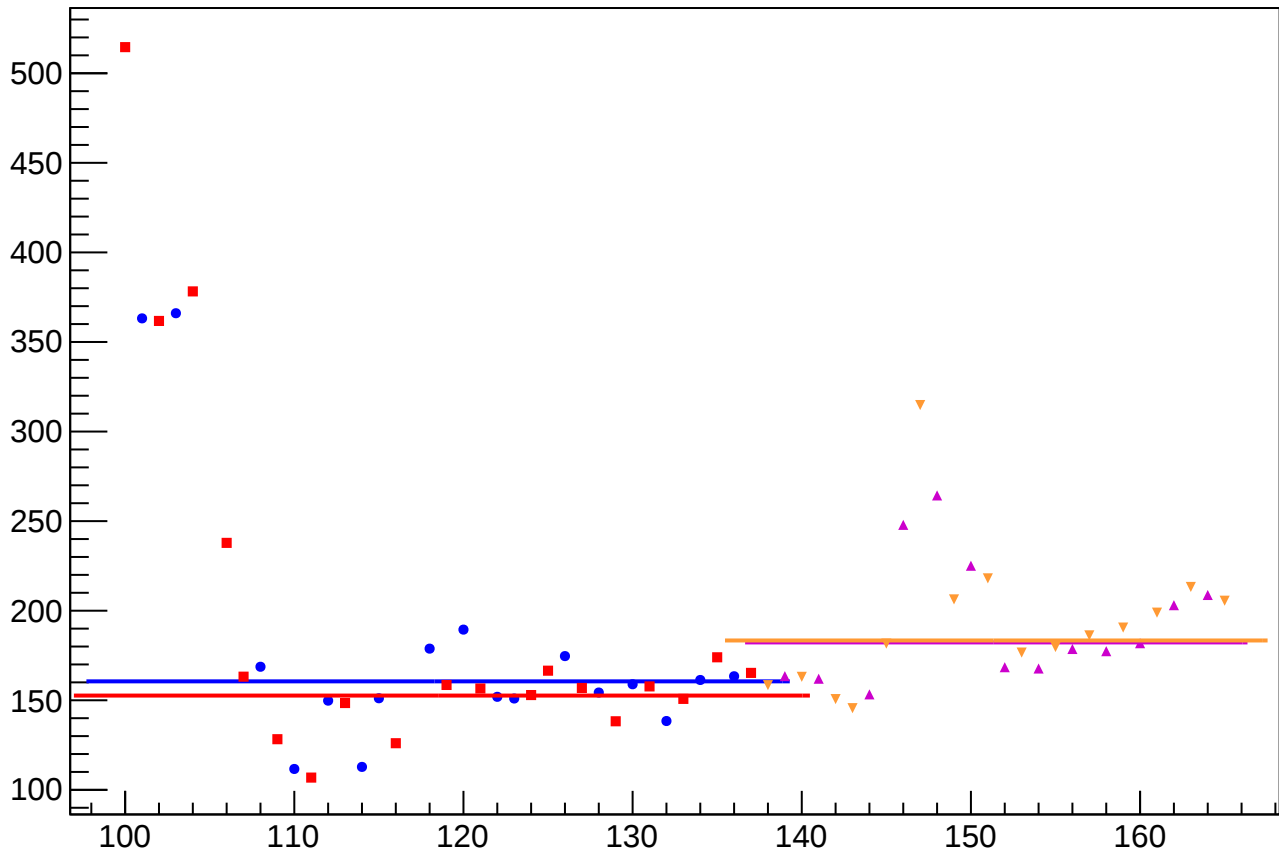
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$
 Left Out: 129736.701 ± 0.057 $\chi^2/\text{NDF}: 1283187468.5/14$
 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 128623.551 ± 0.043 $\chi^2/\text{NDF}: 3922243312.9$
 All: 128625.980 ± 0.030 $\chi^2/\text{NDF}: 774537196$
 - 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: 183.384+/-0.040 χ^2/NDF : 570127.7/14

Right Out: 152.629+/-0.044 χ^2/NDF : 1086504.4/18

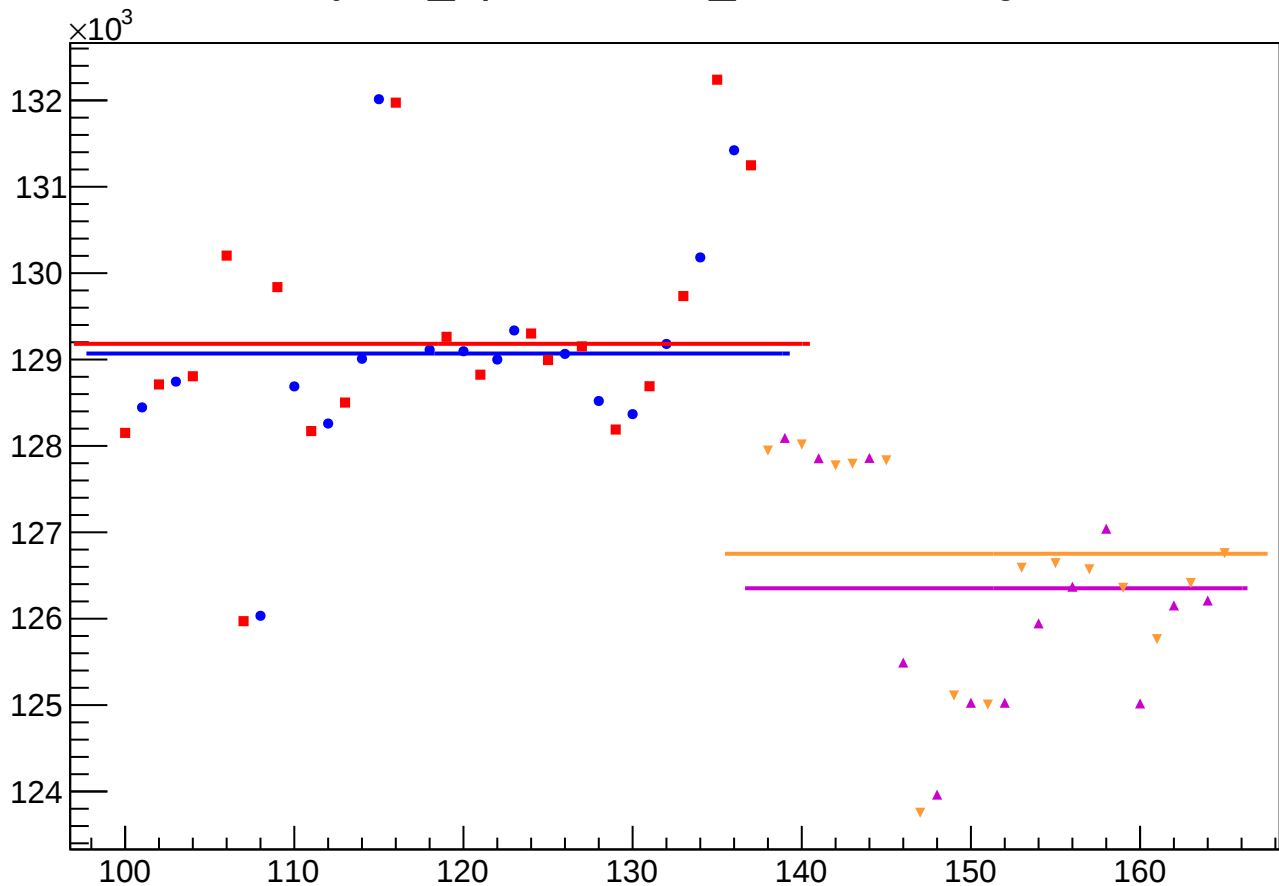
Left In: 182.290+/-0.041 χ^2/NDF : 484962.3/12

+ sign 173.781+/-0.030 χ^2/NDF : 1650093.0/31

All: 170.996+/-0.021 χ^2/NDF : 3483596.9/63

- sign 168.307+/-0.030 χ^2/NDF : 1817020.0/31

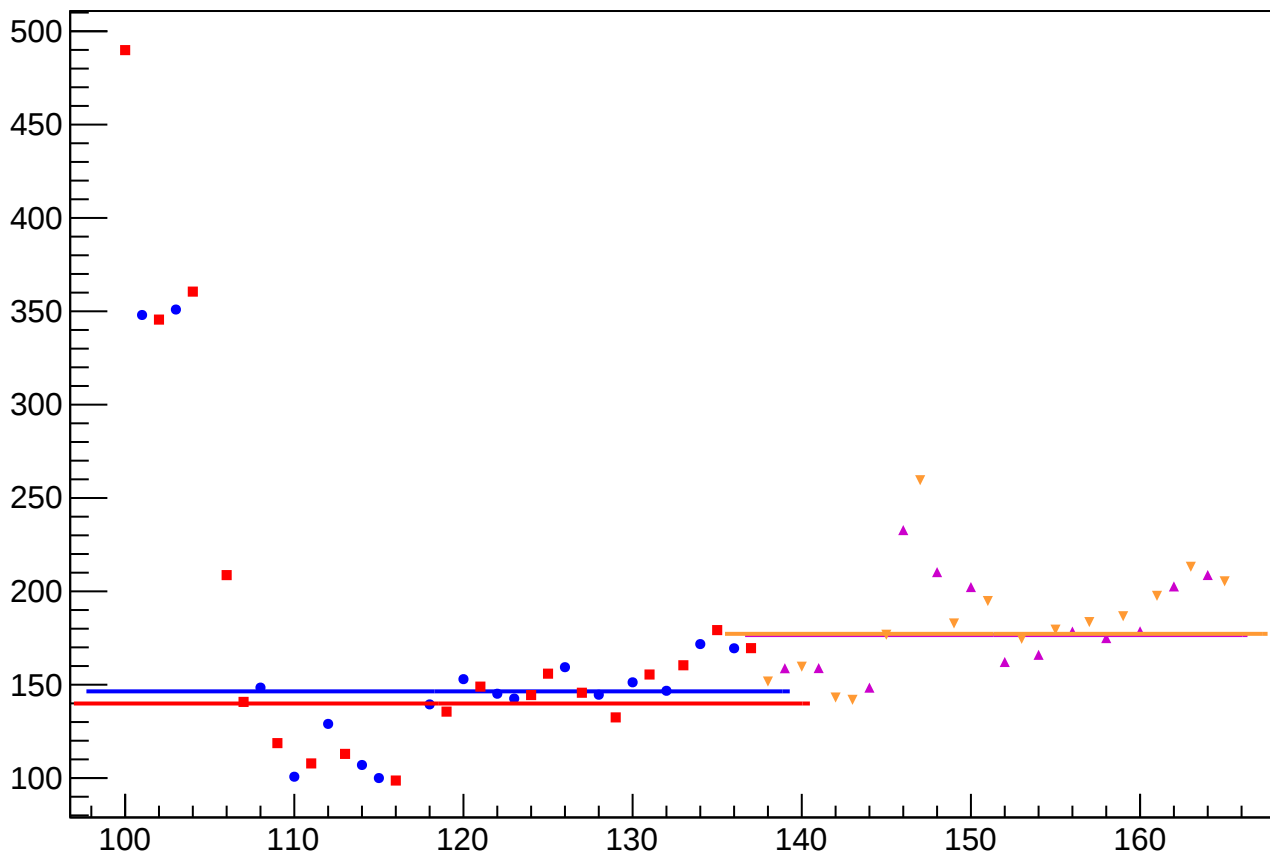
yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 χ^2/NDF : 476692316.5/16
 Left Out: 126751.530 ± 0.054 χ^2/NDF : 434242908.5/14
 Right Out: 129181.887 ± 0.056 χ^2/NDF : 625597399.6/18
 Left In: 126352.221 ± 0.056 χ^2/NDF : 507472410.8/12

+ sign 127792.657 ± 0.040 χ^2/NDF : 1728596127.8
 All: 127778.838 ± 0.028 χ^2/NDF : 413577813
 - sign 127765.484 ± 0.040 χ^2/NDF : 2406951086.5/

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 χ^2/NDF : 1064791.0/16

Left Out: 177.246 ± 0.038 χ^2/NDF : 444189.4/14

Right Out: 139.929 ± 0.040 χ^2/NDF : 1203570.9/18

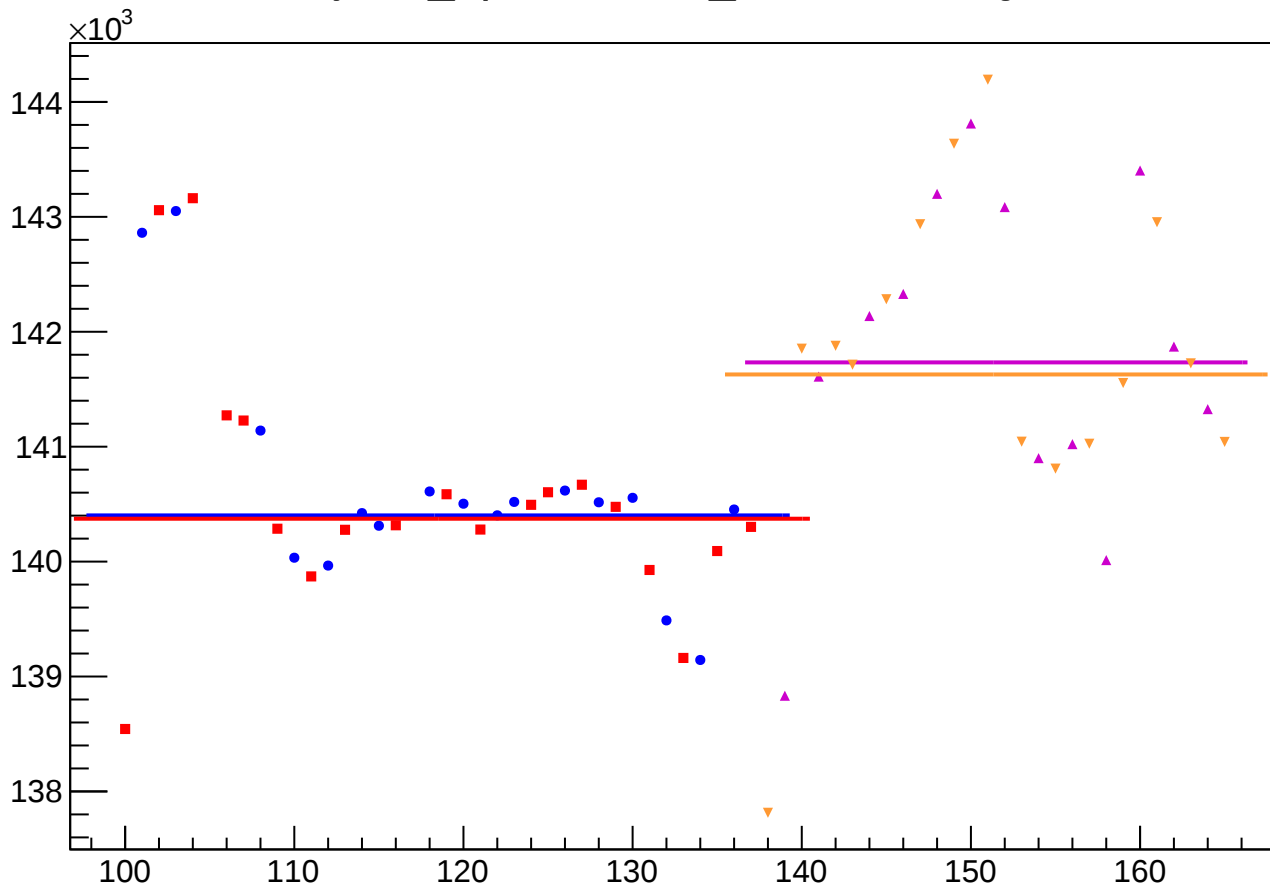
Left In: 176.583 ± 0.040 χ^2/NDF : 329813.3/12

+ sign 163.409 ± 0.029 χ^2/NDF : 1797826.7/31

All: 160.799 ± 0.020 χ^2/NDF : 3775177.4/63

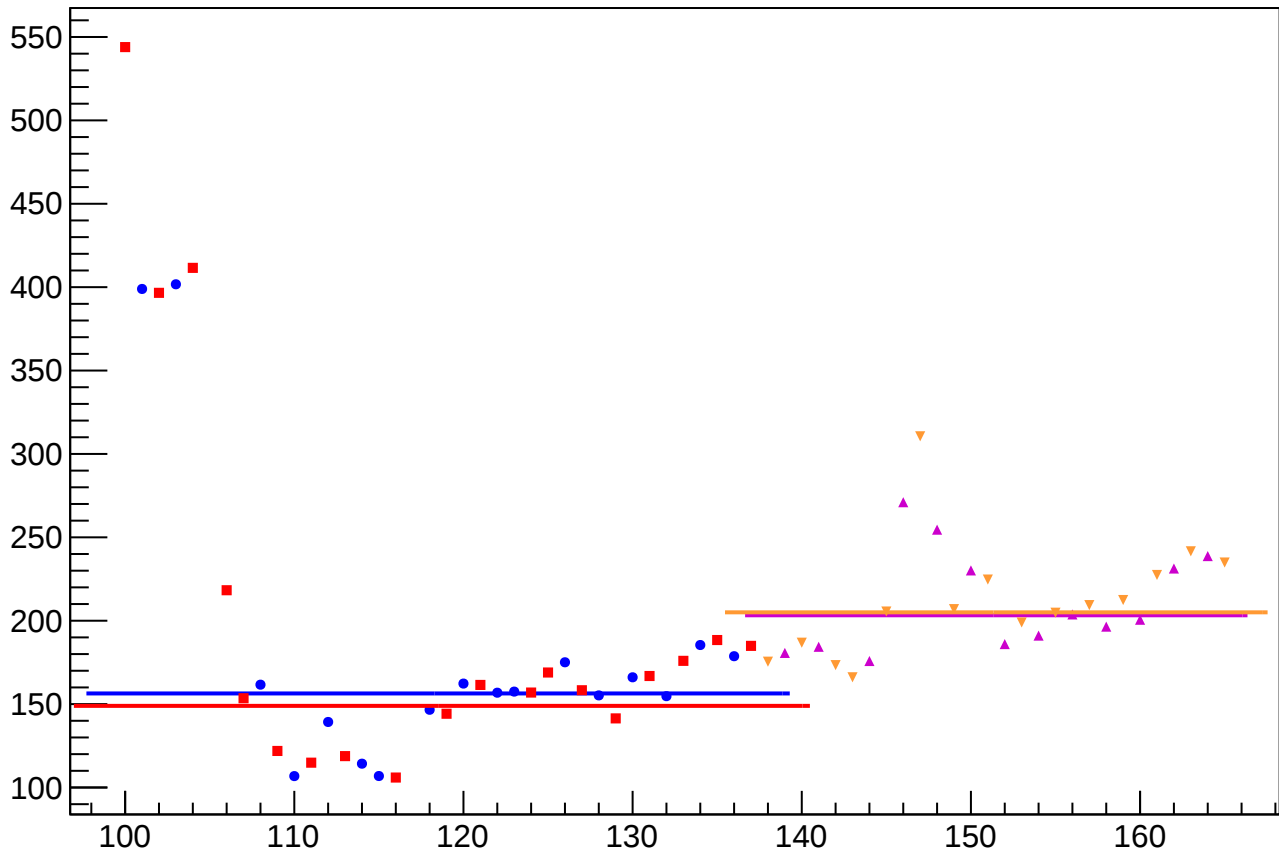
- sign 158.276 ± 0.028 χ^2/NDF : 1960870.4/31

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010+/-0.064	χ^2/NDF : 88071774.7/16	+ sign 141028.946+/-0.045	χ^2/NDF : 861394583.1/3
Left Out: 141628.574+/-0.063	χ^2/NDF : 587607930.5/14	All: 141015.062+/-0.031	χ^2/NDF : 166453915
Right Out: 140373.163+/-0.060	χ^2/NDF : 99854533.3/18	- sign 141001.847+/-0.044	χ^2/NDF : 802958690.6/3
Left In: 141733.490+/-0.065	χ^2/NDF : 464359024.8/12		

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 ± 0.046 χ^2/NDF : 1154804.2/16

Left Out: 205.030 ± 0.044 χ^2/NDF : 415904.6/14

+ sign 181.253 ± 0.032 χ^2/NDF : 2154728.0/31

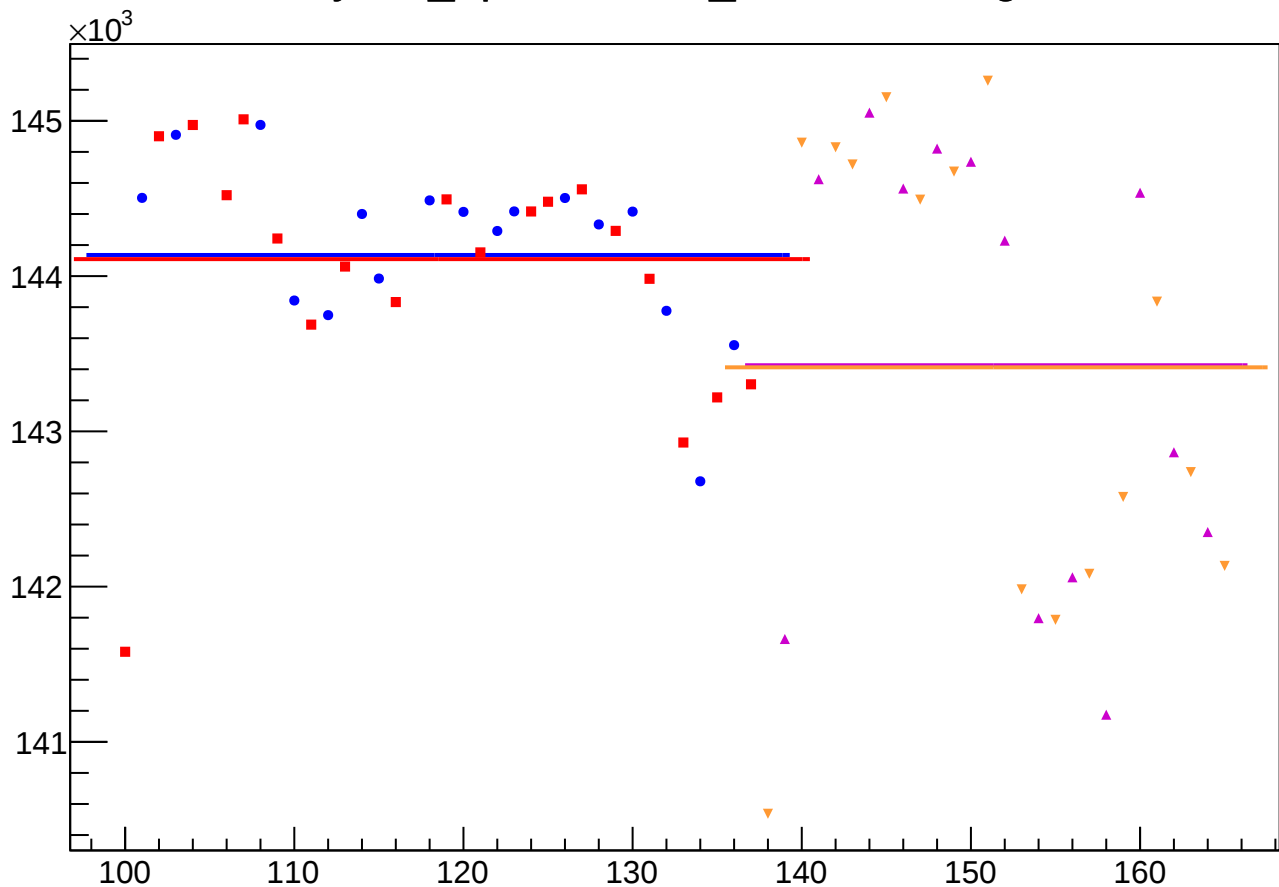
Right Out: 148.949 ± 0.042 χ^2/NDF : 1307651.5/18

All: 177.562 ± 0.022 χ^2/NDF : 4584178.8/63

Left In: 203.260 ± 0.046 χ^2/NDF : 334411.8/12

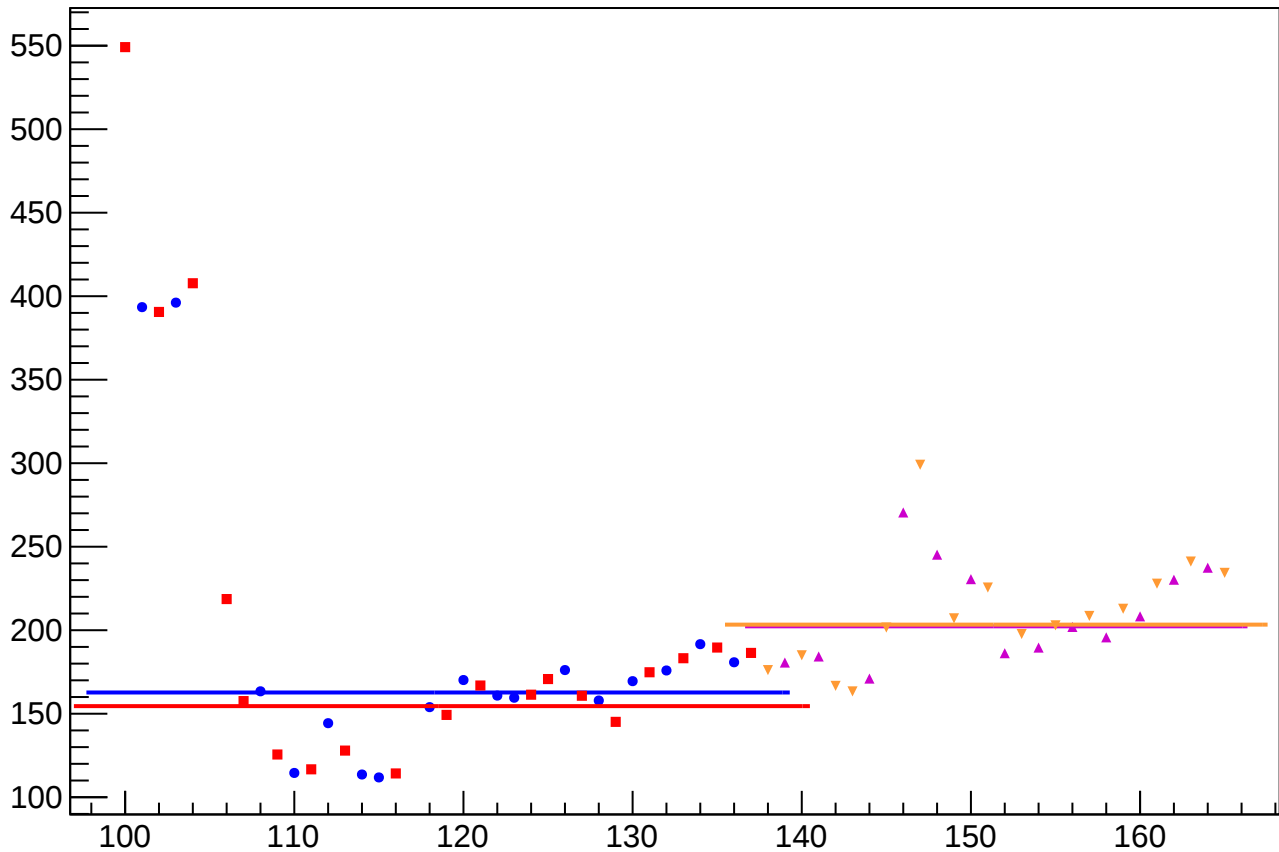
- sign 174.049 ± 0.031 χ^2/NDF : 2403178.6/31

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067	χ^2 /NDF: 47069480.3/16	+ sign 143749.678 $\pm$ 0.046	χ^2 /NDF: 720096509.6/3
Left Out: 143412.409 $\pm$ 0.062	χ^2 /NDF: 610294724.6/14	All: 143765.582 $\pm$ 0.032	χ^2 /NDF: 134302840
Right Out: 144109.419 $\pm$ 0.062	χ^2 /NDF: 65258627.2/18	- sign 143780.796 $\pm$ 0.045	χ^2 /NDF: 622693683.1/3
Left In: 143425.915 $\pm$ 0.064	χ^2 /NDF: 498753128.3/12		

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 203.350 $\pm$ 0.044 χ^2 /NDF: 421270.4/14

+ sign 184.413 $\pm$ 0.032 χ^2 /NDF: 1883318.3/31

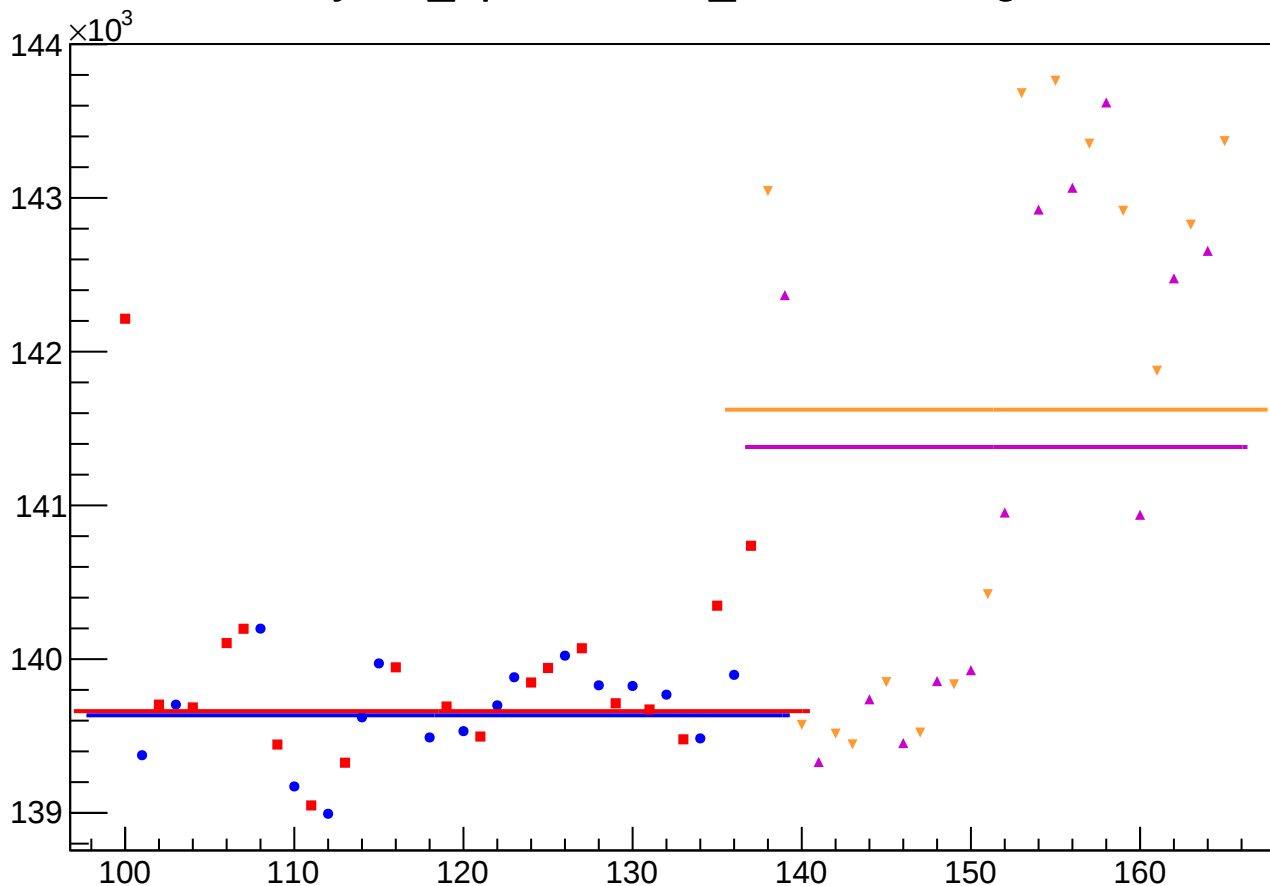
Right Out: 154.547 $\pm$ 0.044 χ^2 /NDF: 1217495.9/18

All: 180.891 $\pm$ 0.023 χ^2 /NDF: 4031896.8/63

Left In: 202.332 $\pm$ 0.045 χ^2 /NDF: 334086.3/12

- sign 177.522 $\pm$ 0.032 χ^2 /NDF: 2125214.3/31

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 $\pm$ 0.068

χ^2 /NDF: 24844912.0/16

Left Out: 141622.855 $\pm$ 0.065

χ^2 /NDF: 700091271.4/14

Right Out: 139661.970 $\pm$ 0.063

χ^2 /NDF: 38372985.0/18

Left In: 141379.922 $\pm$ 0.067

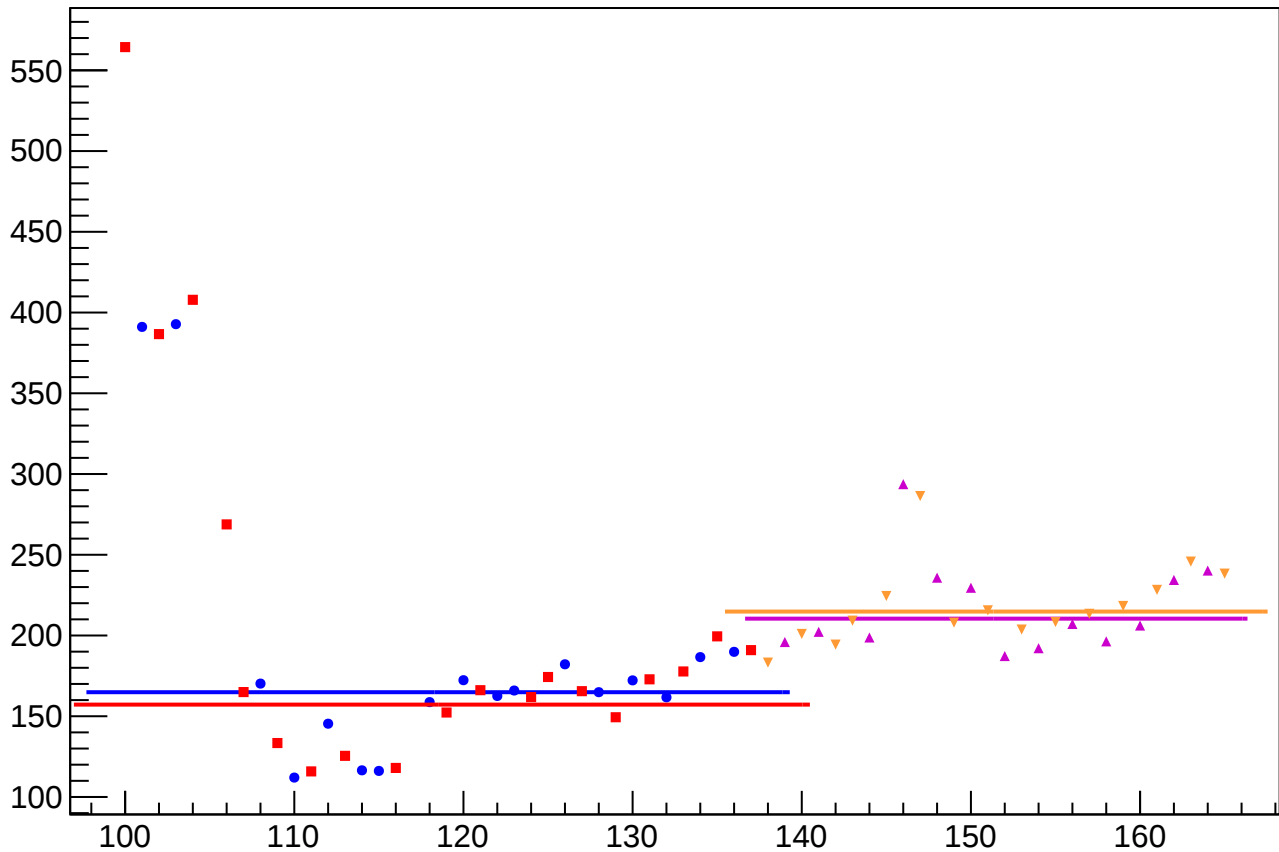
χ^2 /NDF: 509230866.0/12

+ sign 140662.892 $\pm$ 0.047 χ^2 /NDF: 1169946039.9

All: 140564.724 $\pm$ 0.033 χ^2 /NDF: 207611347.0

- sign 140471.752 $\pm$ 0.046 χ^2 /NDF: 897707544.9/3

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 214.823 $\pm$ 0.046 χ^2 /NDF: 208127.1/14

Right Out: 157.207 $\pm$ 0.045 χ^2 /NDF: 1245030.9/18

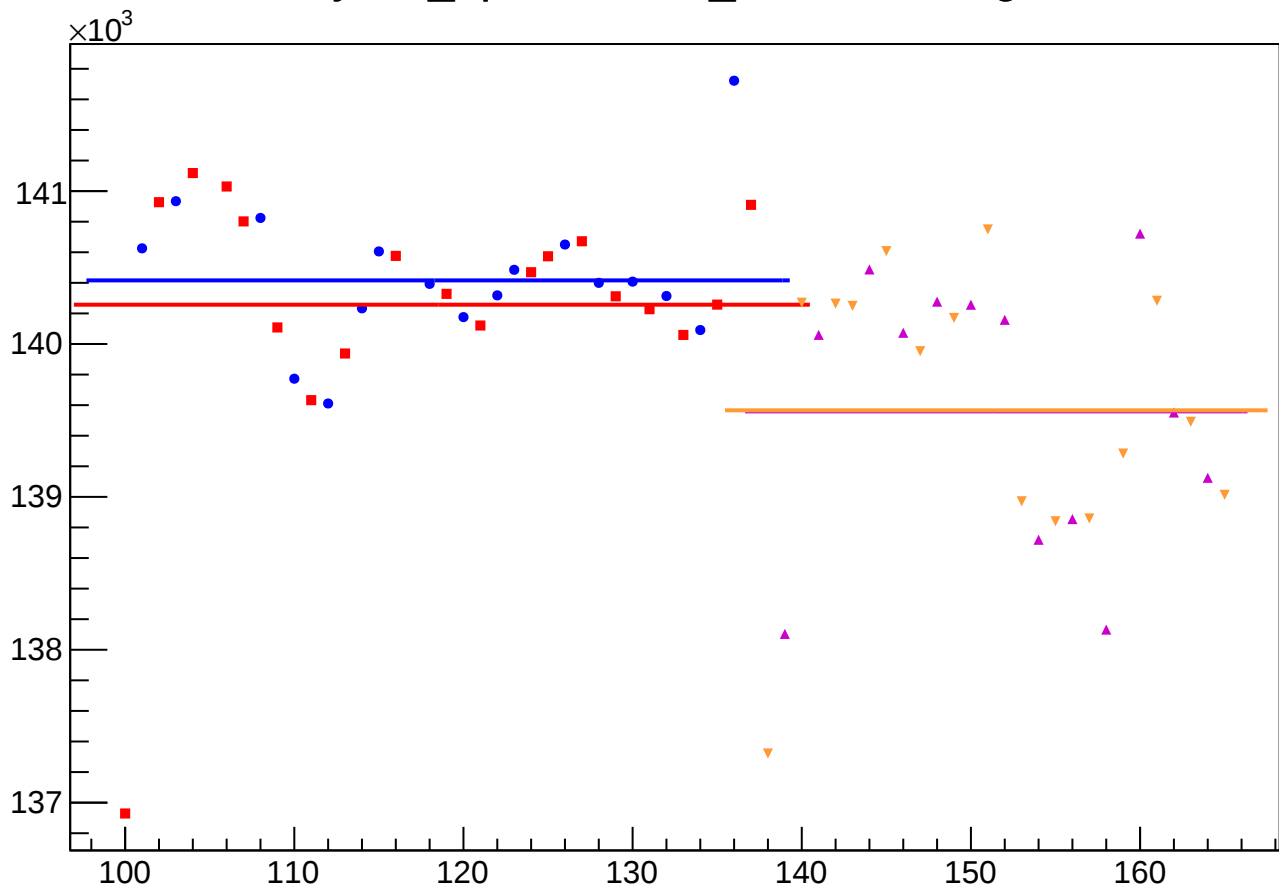
Left In: 210.433 $\pm$ 0.047 χ^2 /NDF: 253129.9/12

+ sign 190.710 $\pm$ 0.033 χ^2 /NDF: 1835921.7/31

All: 186.389 $\pm$ 0.023 χ^2 /NDF: 4038987.2/63

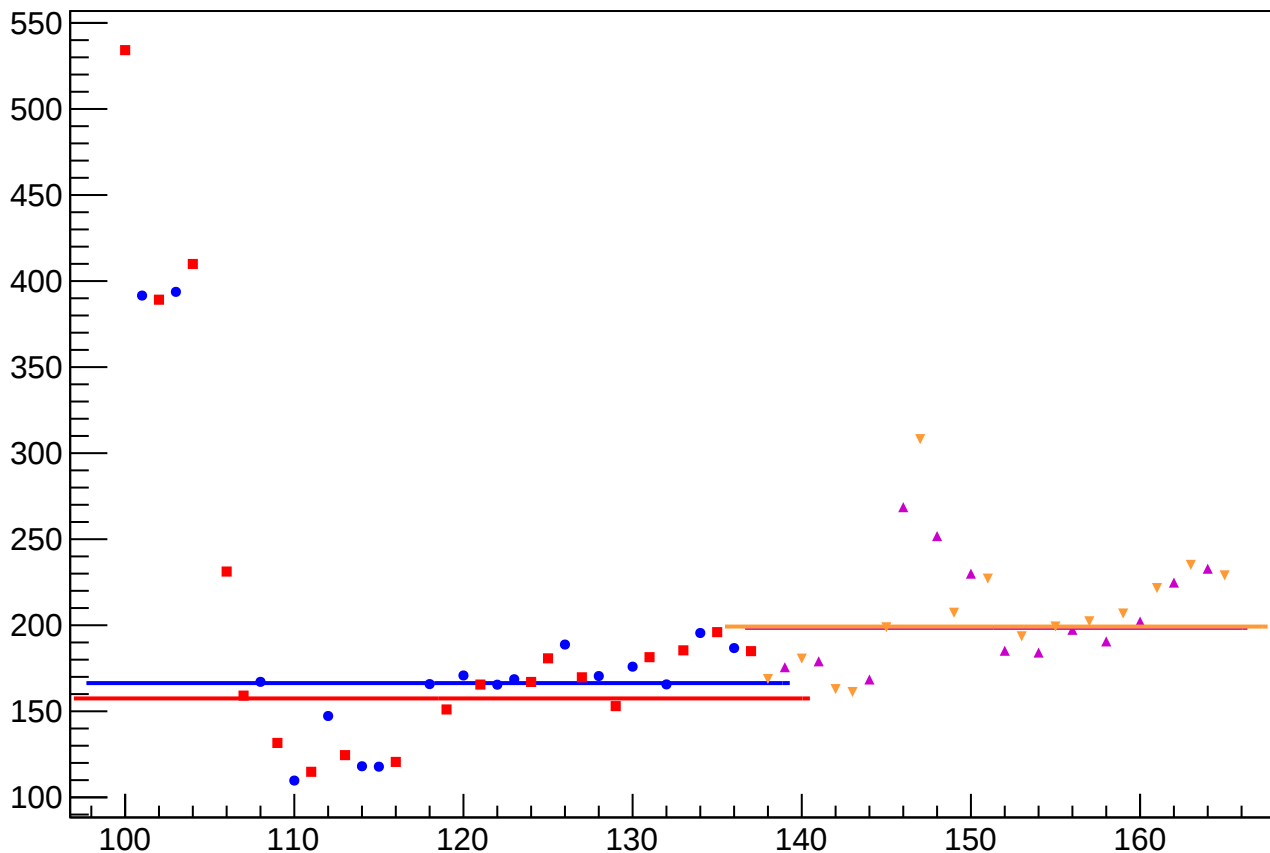
- sign 182.296 $\pm$ 0.032 χ^2 /NDF: 2170274.8/31

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068	χ^2 /NDF: 69975821.3/16	+ sign 139943.525 $\pm$ 0.046	χ^2 /NDF: 401643058.4/3
Left Out: 139566.145 $\pm$ 0.061	χ^2 /NDF: 245809511.9/14	All: 139925.265 $\pm$ 0.032	χ^2 /NDF: 705719714
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 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 199.237 ± 0.043 χ^2/NDF : 469725.5/14

Right Out: 157.475 ± 0.045 χ^2/NDF : 1229886.8/18

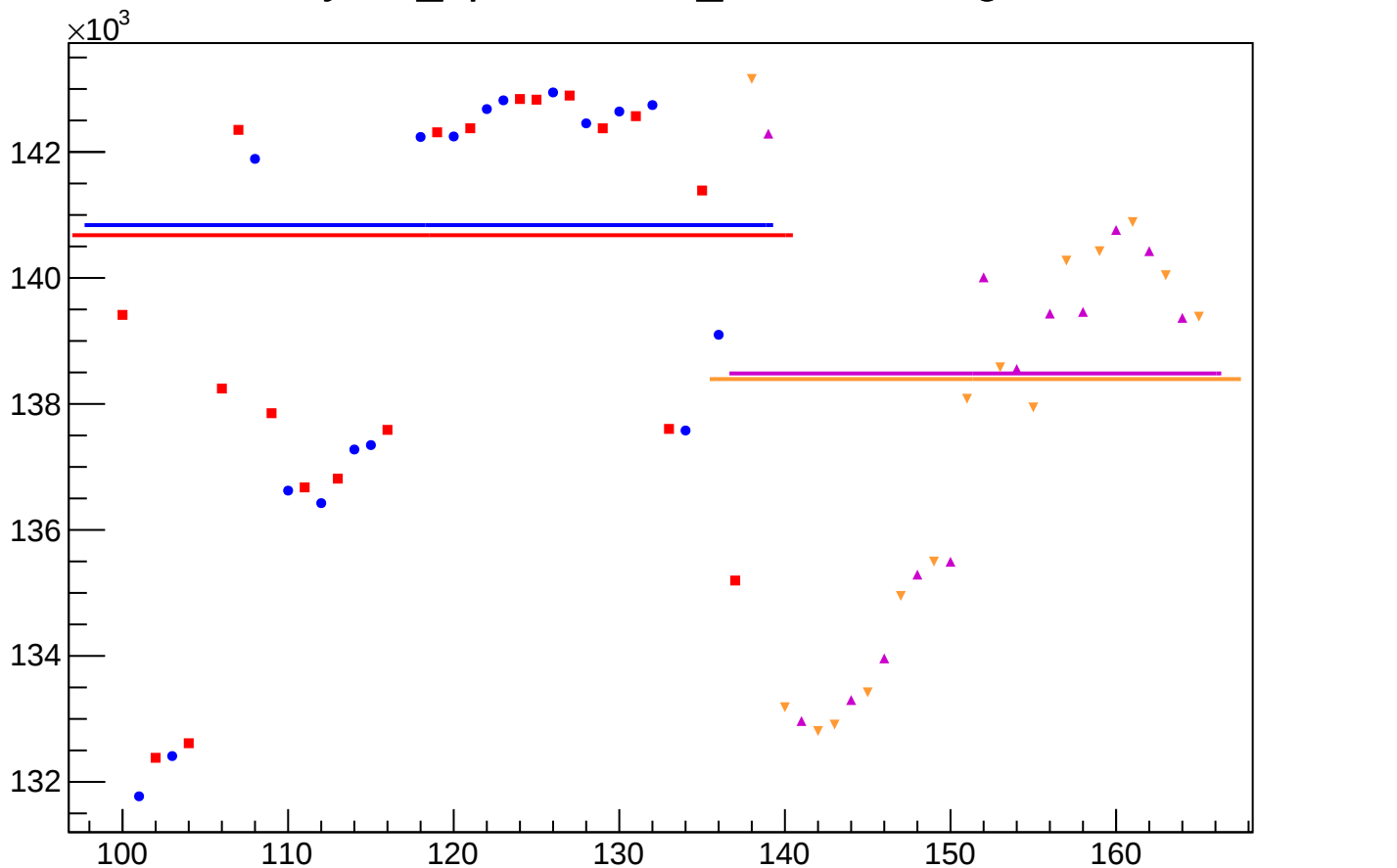
Left In: 198.476 ± 0.045 χ^2/NDF : 371986.0/12

+ sign 184.651 ± 0.032 χ^2/NDF : 1807199.5/31

All: 181.255 ± 0.023 χ^2/NDF : 3852936.3/63

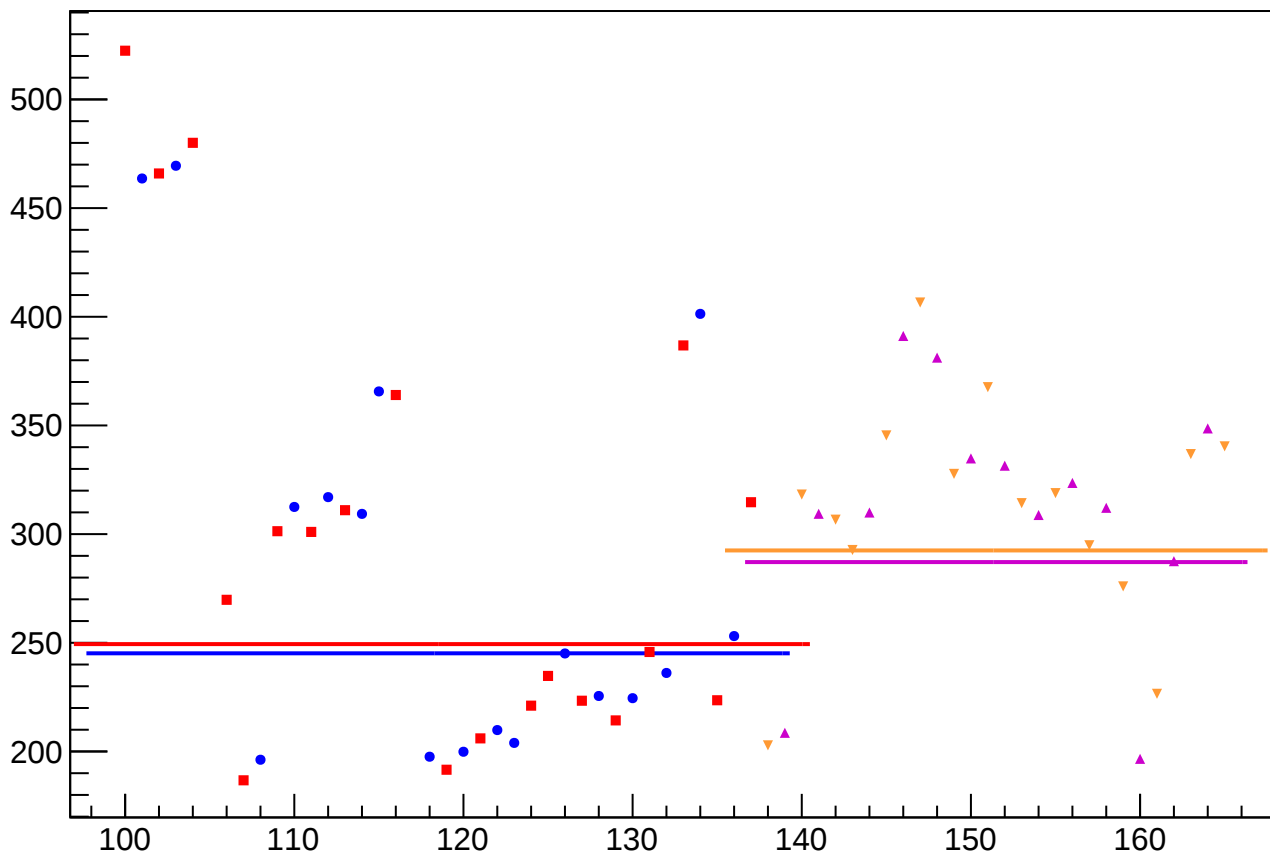
- sign 177.999 ± 0.032 χ^2/NDF : 2023981.4/31

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	+ sign 139500.418 $\pm$ 0.067	χ^2 /NDF: 2544859829.3
Left Out: 138394.500 $\pm$ 0.091	χ^2 /NDF: 1394986735.6/14	All: 139506.134 $\pm$ 0.048	χ^2 /NDF: 47468454
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: 292.492 ± 0.064 χ^2/NDF : 731179.9/14

Right Out: 249.397 ± 0.070 χ^2/NDF : 1009731.2/18

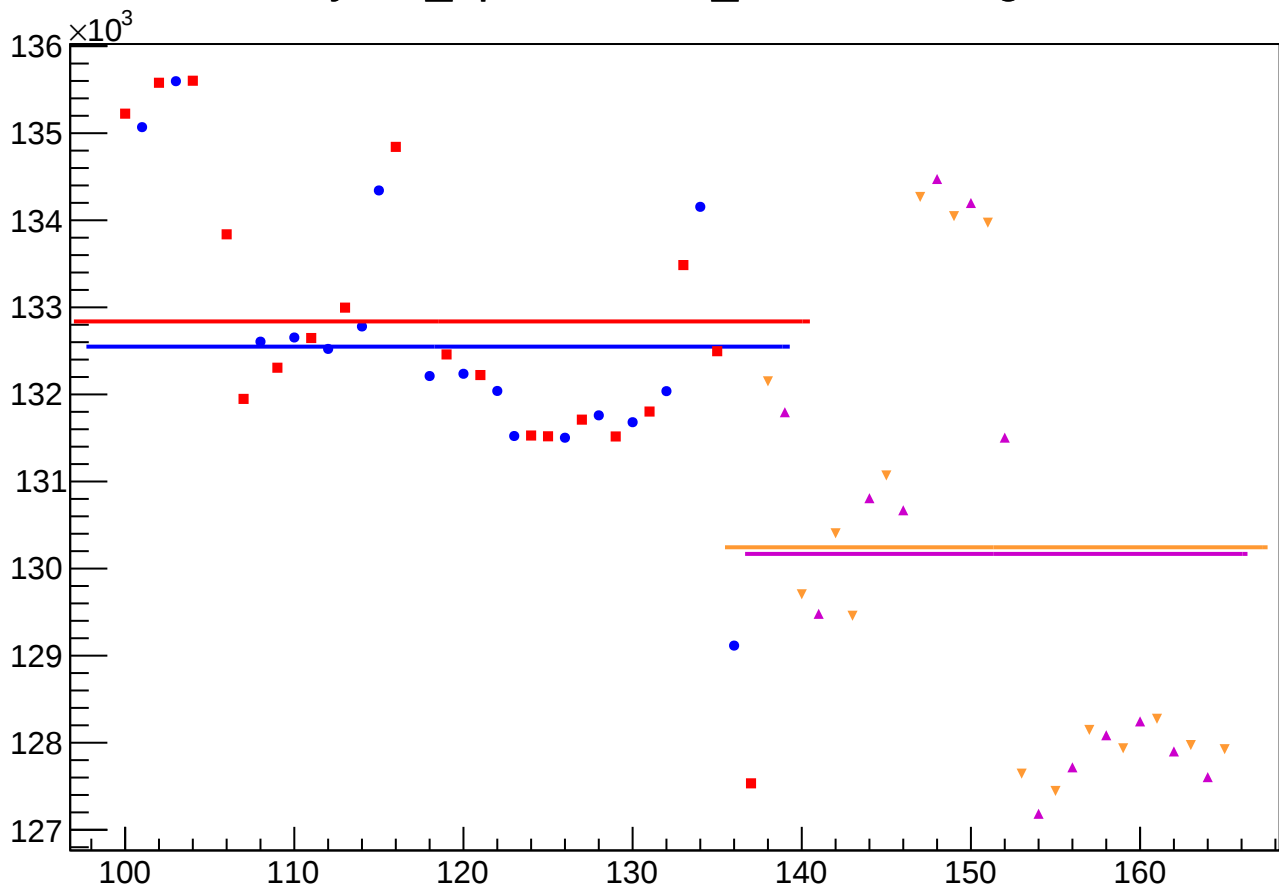
Left In: 287.134 ± 0.066 χ^2/NDF : 872474.3/12

+ sign 271.079 ± 0.048 χ^2/NDF : 1845987.4/31

All: 270.275 ± 0.034 χ^2/NDF : 3882933.3/63

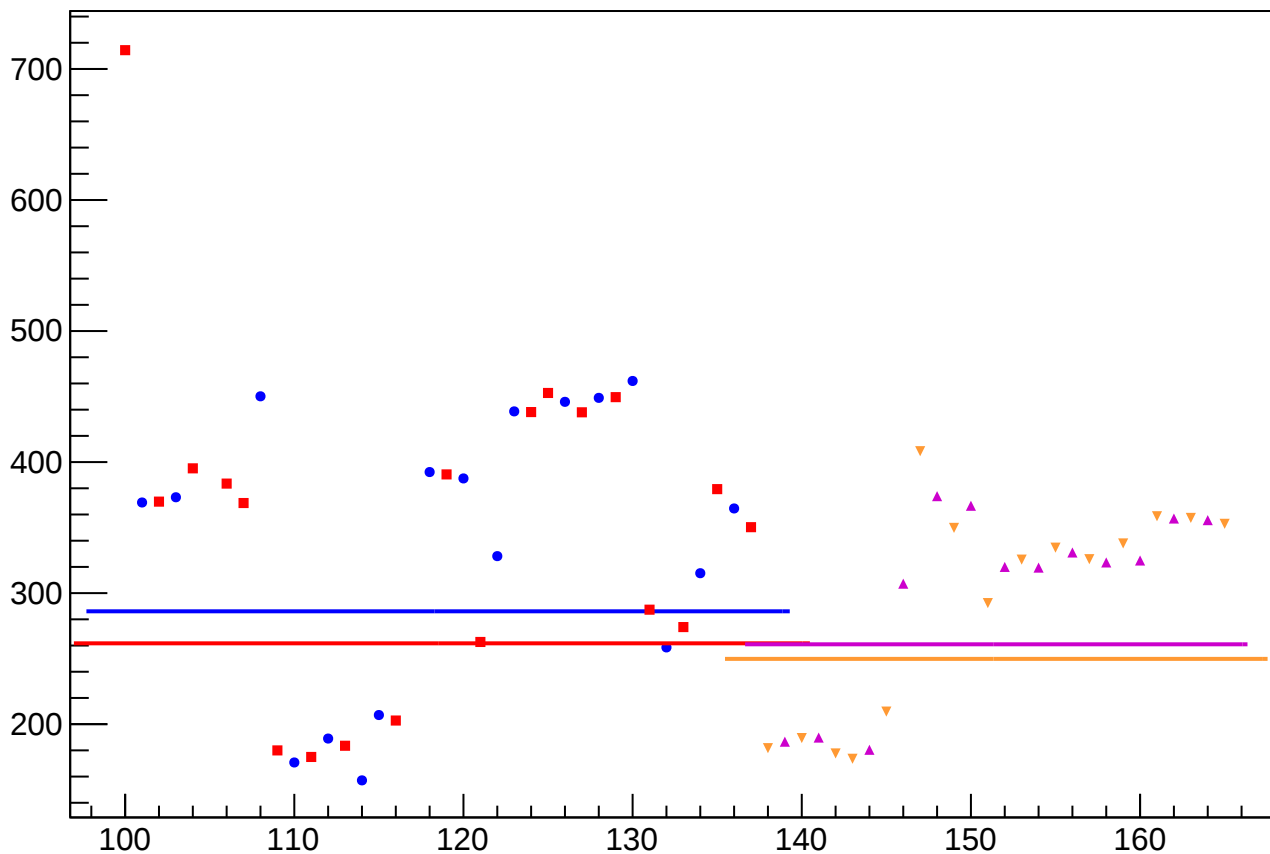
- sign 269.457 ± 0.048 χ^2/NDF : 2036369.1/31

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119	χ^2/NDF : 161115079.9/16	+ sign 130955.112 $\pm$ 0.066	χ^2/NDF : 1072131321.9
Left Out: 130244.591 $\pm$ 0.080	χ^2/NDF : 653285627.4/14	All: 131081.895 $\pm$ 0.047	χ^2/NDF : 214313183
Right Out: 132838.294 $\pm$ 0.107	χ^2/NDF : 149611447.6/18	- sign 131211.157 $\pm$ 0.067	χ^2/NDF : 1063612227.4/12
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: 249.822+/-0.056 χ^2/NDF : 1933738.7/14

Right Out: 261.686+/-0.076 χ^2/NDF : 1623174.1/18

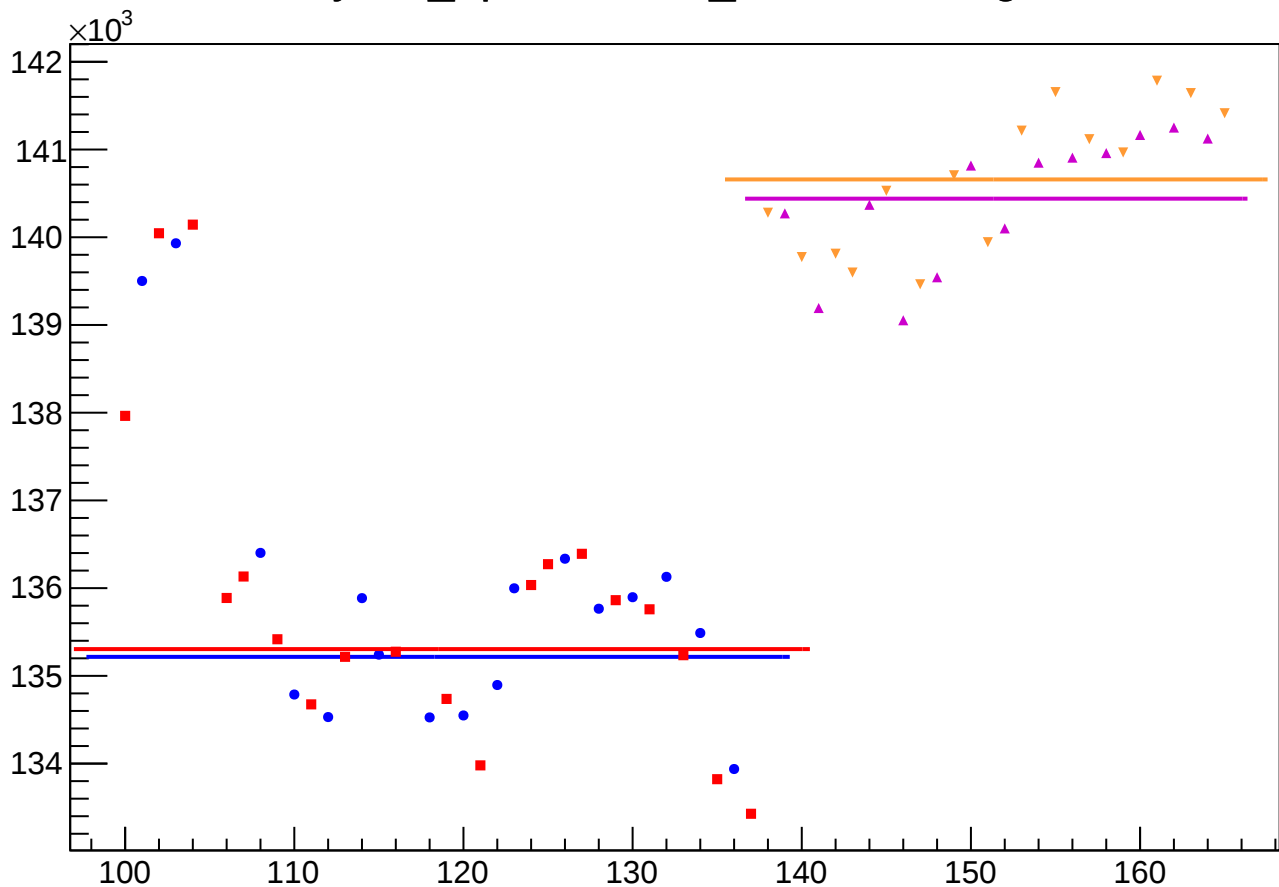
Left In: 260.941+/-0.061 χ^2/NDF : 1588461.3/12

+ sign 261.015+/-0.047 χ^2/NDF : 3586924.8/31

All: 261.122+/-0.033 χ^2/NDF : 6798629.8/63

- sign 261.232+/-0.047 χ^2/NDF : 3211694.4/31

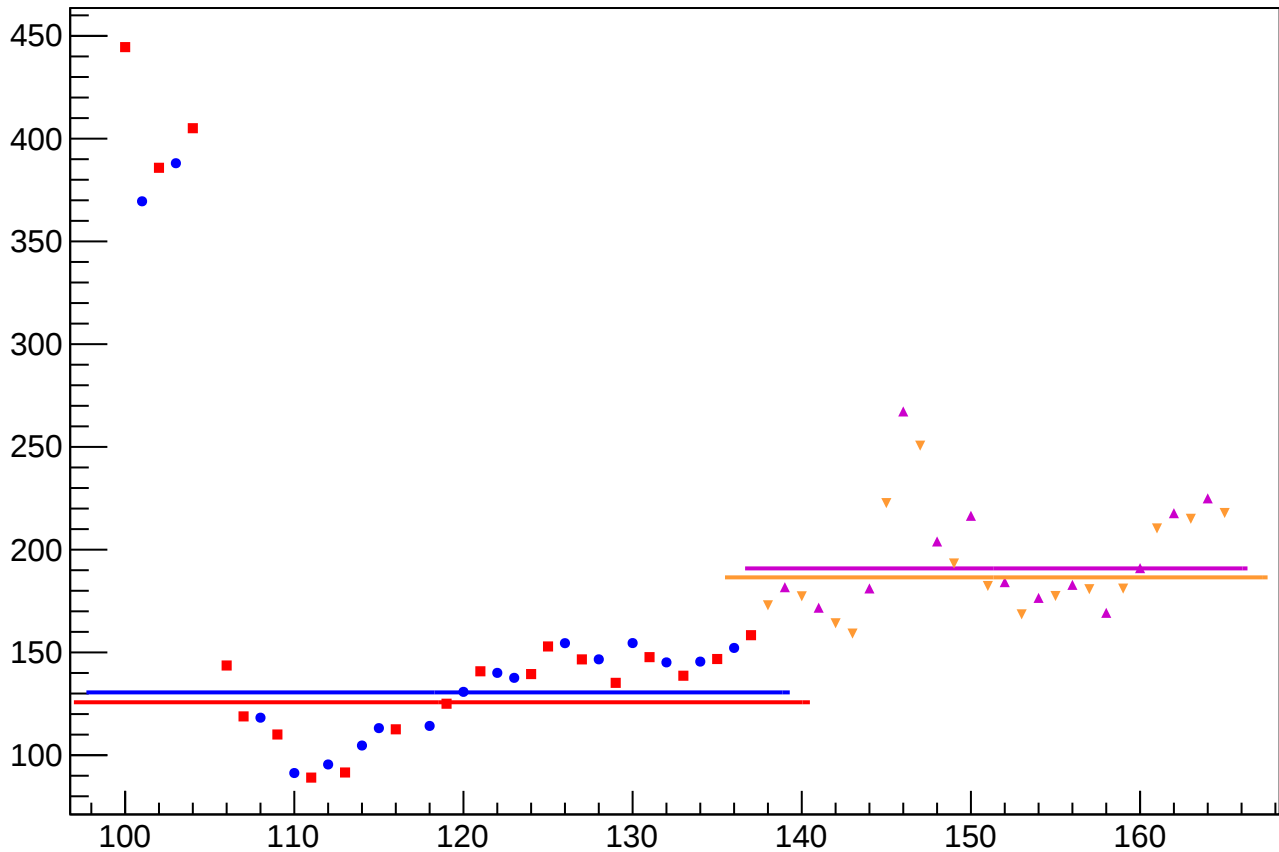
yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 ± 0.054 $\chi^2/\text{NDF}: 371347707.3/16$
 Left Out: 140659.154 ± 0.057 $\chi^2/\text{NDF}: 176310773.1/14$
 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 137802.974 ± 0.039 $\chi^2/\text{NDF}: 5311983685.8$
 All: 137619.916 ± 0.028 $\chi^2/\text{NDF}: 100322787$
 - sign 137439.483 ± 0.039 $\chi^2/\text{NDF}: 4677380478.9$

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 186.521 $\pm$ 0.040 χ^2 /NDF: 300194.1/14

Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

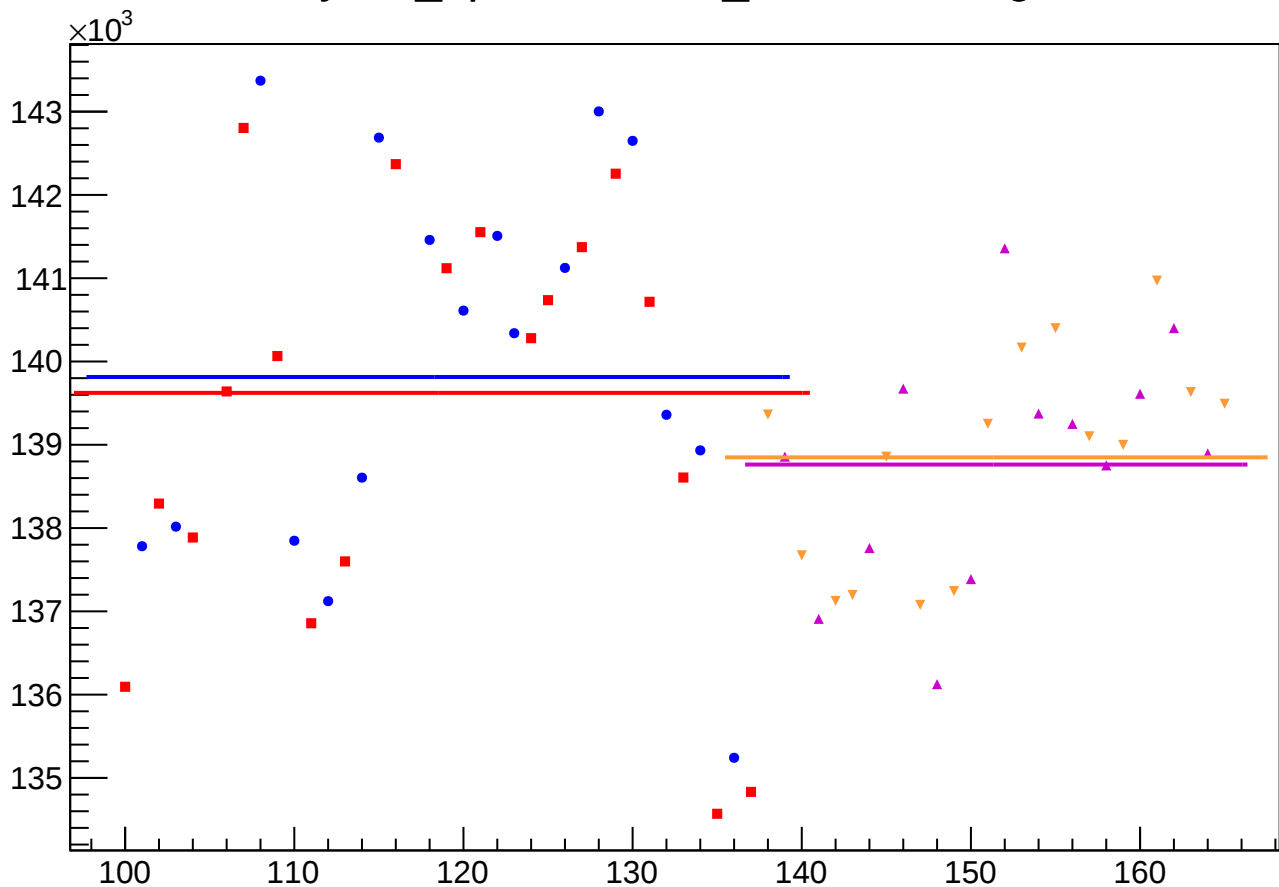
Left In: 190.884 $\pm$ 0.043 χ^2 /NDF: 271897.4/12

+ sign 157.149 $\pm$ 0.028 χ^2 /NDF: 2680988.6/31

All: 154.970 $\pm$ 0.020 χ^2 /NDF: 5753708.5/63

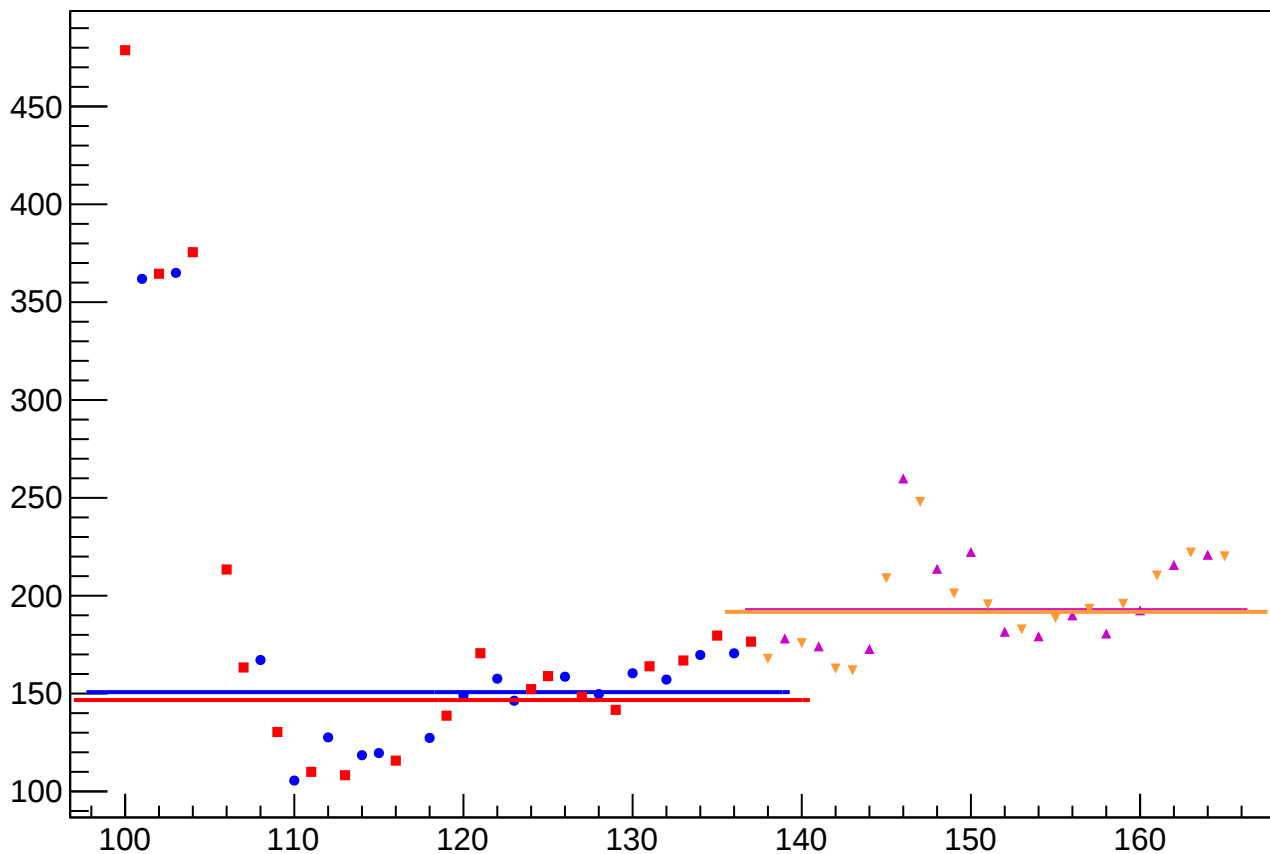
- sign 152.821 $\pm$ 0.028 χ^2 /NDF: 3060554.0/31

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062	χ^2 /NDF: 1689865533.6/16	+ sign 139306.690 $\pm$ 0.043	χ^2 /NDF: 2251281964.2
Left Out: 138848.981 $\pm$ 0.059	χ^2 /NDF: 433867978.3/14	All: 139257.595 $\pm$ 0.030	χ^2 /NDF: 437988030
Right Out: 139623.387 $\pm$ 0.059	χ^2 /NDF: 1505731109.1/18	- sign 139208.865 $\pm$ 0.042	χ^2 /NDF: 2125958528.0
Left In: 138762.644 $\pm$ 0.061	χ^2 /NDF: 517796402.8/12		

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 191.769+/-0.042 χ^2/NDF : 268343.9/14

Right Out: 146.686+/-0.042 χ^2/NDF : 1203106.6/18

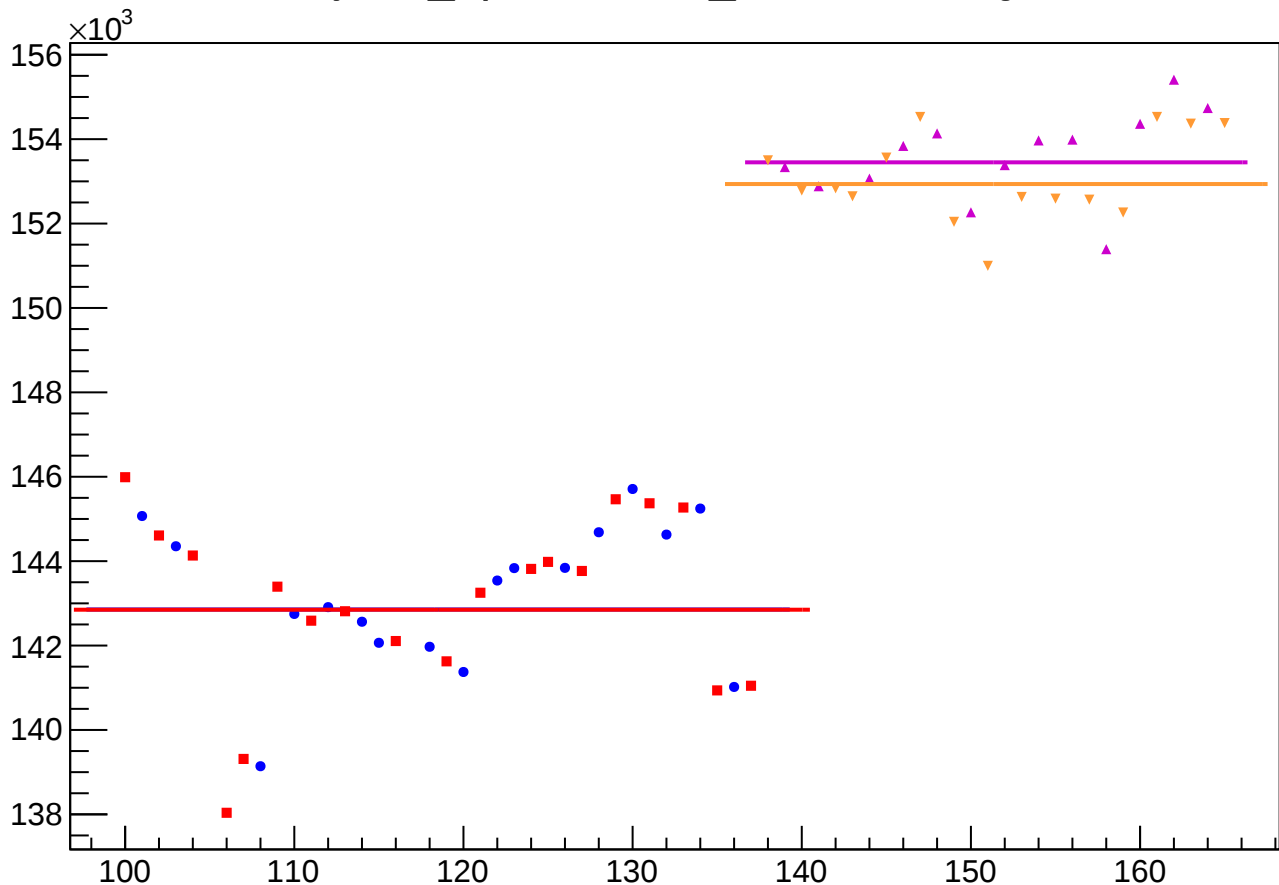
Left In: 192.621+/-0.043 χ^2/NDF : 255957.3/12

+ sign 172.299+/-0.030 χ^2/NDF : 1780010.9/31

All: 170.547+/-0.021 χ^2/NDF : 3829243.8/63

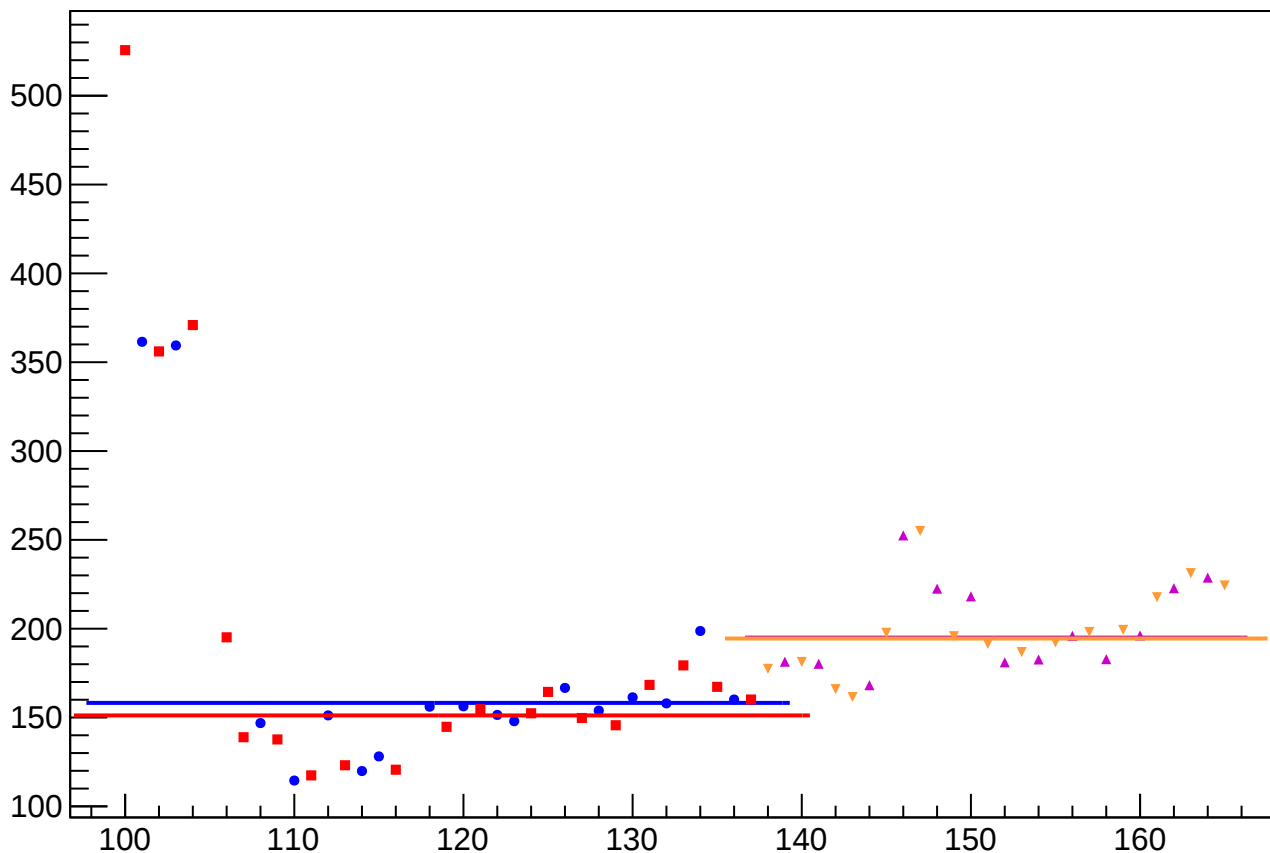
- sign 168.807+/-0.030 χ^2/NDF : 2042507.5/31

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065	χ^2 /NDF: 740367386.5/16	+ sign 148307.429 $\pm$ 0.044	χ^2 /NDF: 14141672461.
Left Out: 152936.526 $\pm$ 0.060	χ^2 /NDF: 252042294.8/14	All: 148161.578 $\pm$ 0.031	χ^2 /NDF: 302968243
Right Out: 142849.362 $\pm$ 0.060	χ^2 /NDF: 850066807.5/18	- sign 148019.601 $\pm$ 0.043	χ^2 /NDF: 16133284379.3
Left In: 153450.933 $\pm$ 0.062	χ^2 /NDF: 256485026.9/12		

yield_bpm0i05WS_rms vs Slug



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 194.466+/-0.042 χ^2/NDF : 266915.0/14

Right Out: 151.174+/-0.043 χ^2/NDF : 1003301.6/18

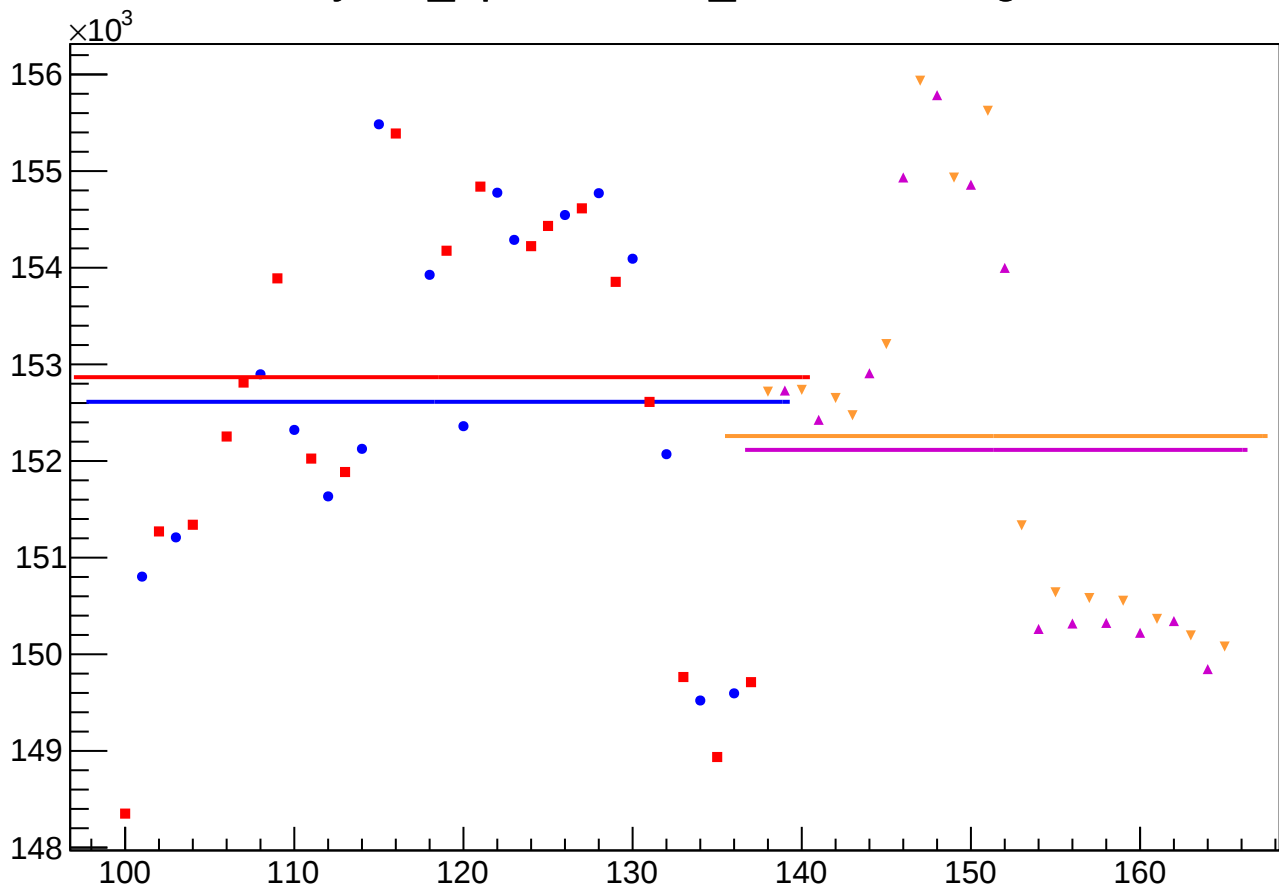
Left In: 194.987+/-0.044 χ^2/NDF : 258297.3/12

+ sign 177.830+/-0.031 χ^2/NDF : 1490076.7/31

All: 175.150+/-0.022 χ^2/NDF : 3279736.7/63

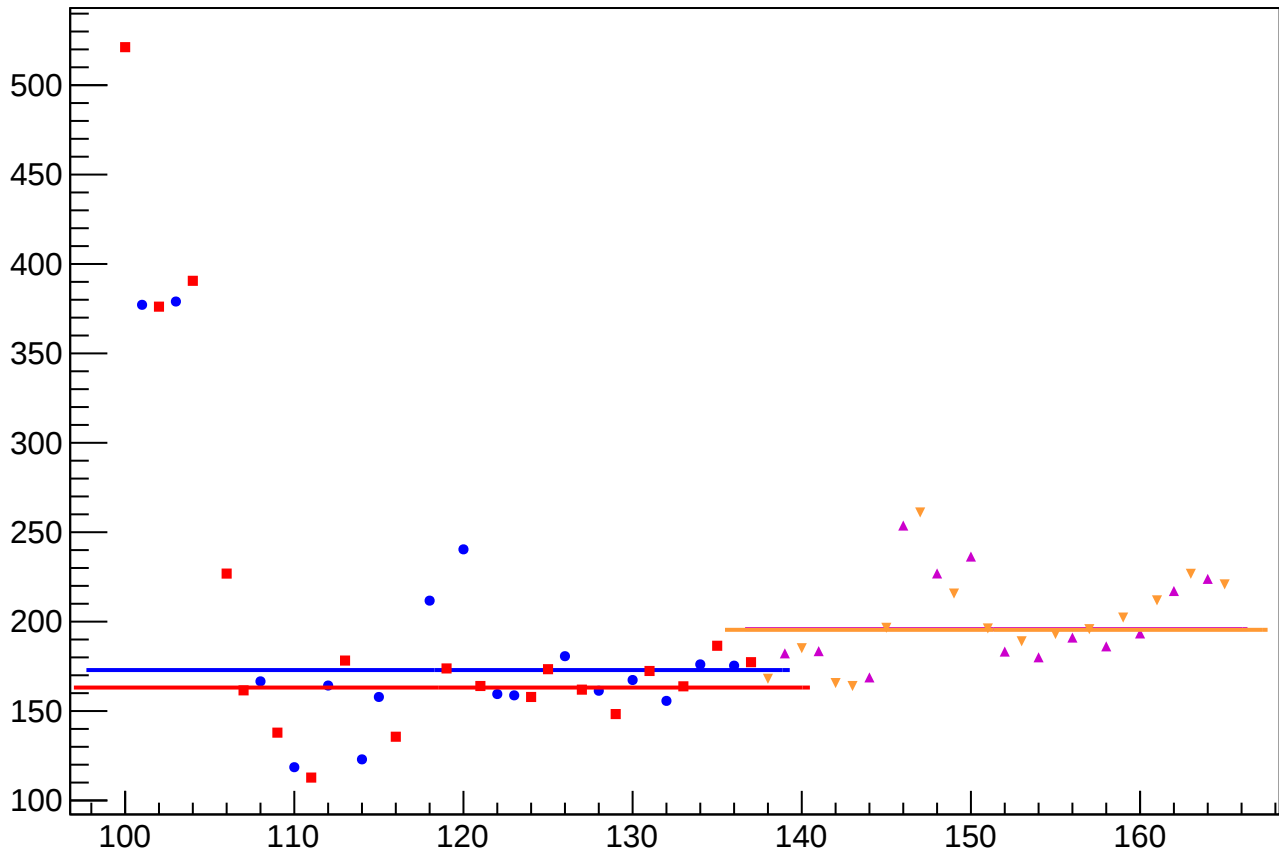
- sign 172.541+/-0.031 χ^2/NDF : 1774894.0/31

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072	χ^2 /NDF: 621416187.4/16	+ sign 152402.003 $\pm$ 0.046	χ^2 /NDF: 1544244093.7
Left Out: 152258.325 $\pm$ 0.060	χ^2 /NDF: 908503255.1/14	All: 152434.832 $\pm$ 0.032	χ^2 /NDF: 327899760
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: 195.426+/-0.042 χ^2/NDF : 286583.8/14

Right Out: 163.138+/-0.047 χ^2/NDF : 1033751.2/18

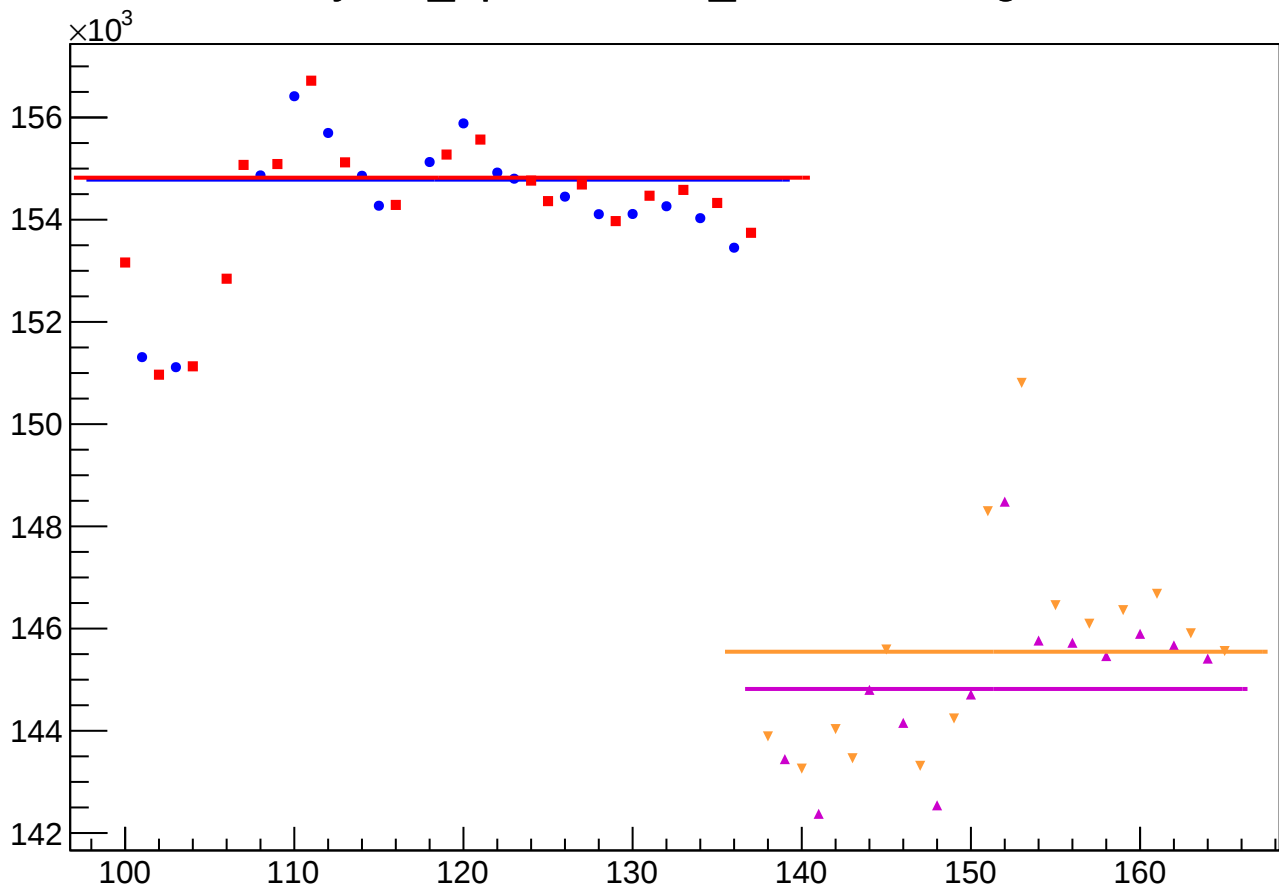
Left In: 195.836+/-0.044 χ^2/NDF : 278507.7/12

+ sign 186.298+/-0.032 χ^2/NDF : 1344154.9/31

All: 183.384+/-0.023 χ^2/NDF : 2932063.5/63

- sign 180.557+/-0.032 χ^2/NDF : 1572066.1/31

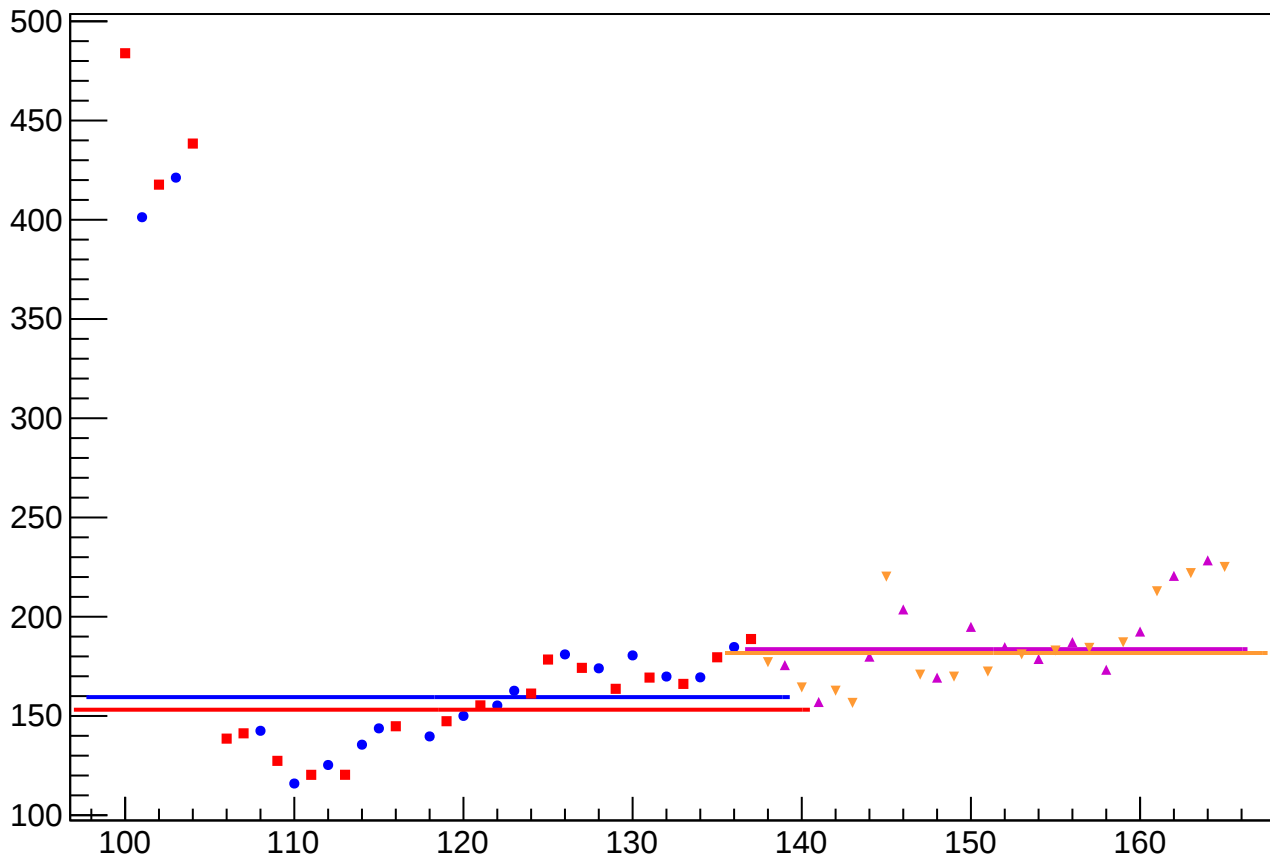
yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 ± 0.065 $\chi^2/\text{NDF}: 265581398.0/16$
 Left Out: 145547.161 ± 0.055 $\chi^2/\text{NDF}: 1481720052.6/14$
 Right Out: 154822.113 ± 0.061 $\chi^2/\text{NDF}: 293850525.9/18$
 Left In: 144818.601 ± 0.058 $\chi^2/\text{NDF}: 812165158.7/12$

+ sign 149397.886 ± 0.042 $\chi^2/\text{NDF}: 13390222243.$
 All: 149482.110 ± 0.030 $\chi^2/\text{NDF}: 286887168.$
 - sign 149565.283 ± 0.042 $\chi^2/\text{NDF}: 15290579950.4$

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 ± 0.046 χ^2/NDF : 1131844.5/16

Left Out: 181.725 ± 0.039 χ^2/NDF : 255917.7/14

Right Out: 153.153 ± 0.043 χ^2/NDF : 1173739.7/18

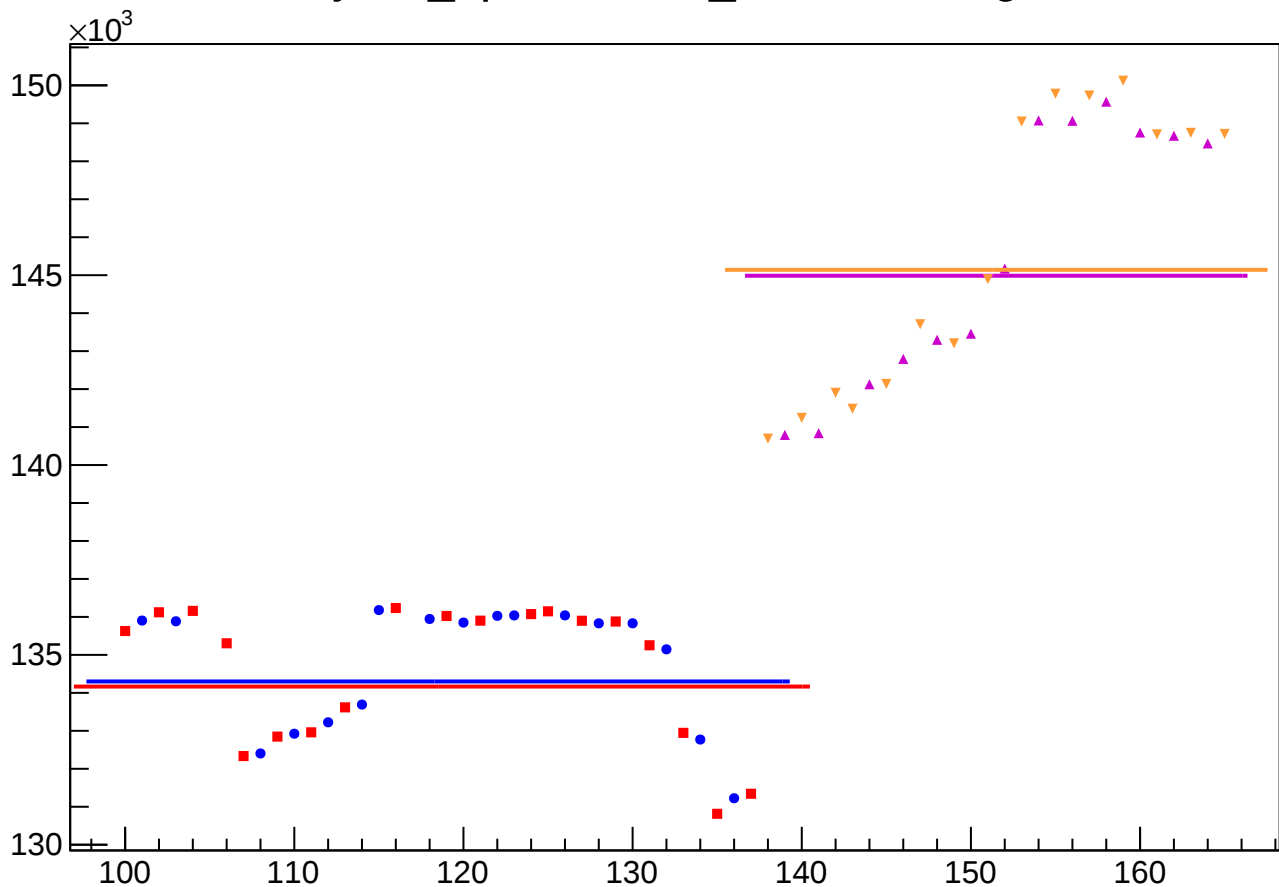
Left In: 183.667 ± 0.041 χ^2/NDF : 182059.3/12

+ sign 172.461 ± 0.030 χ^2/NDF : 1522530.3/31

All: 170.814 ± 0.021 χ^2/NDF : 3148336.1/63

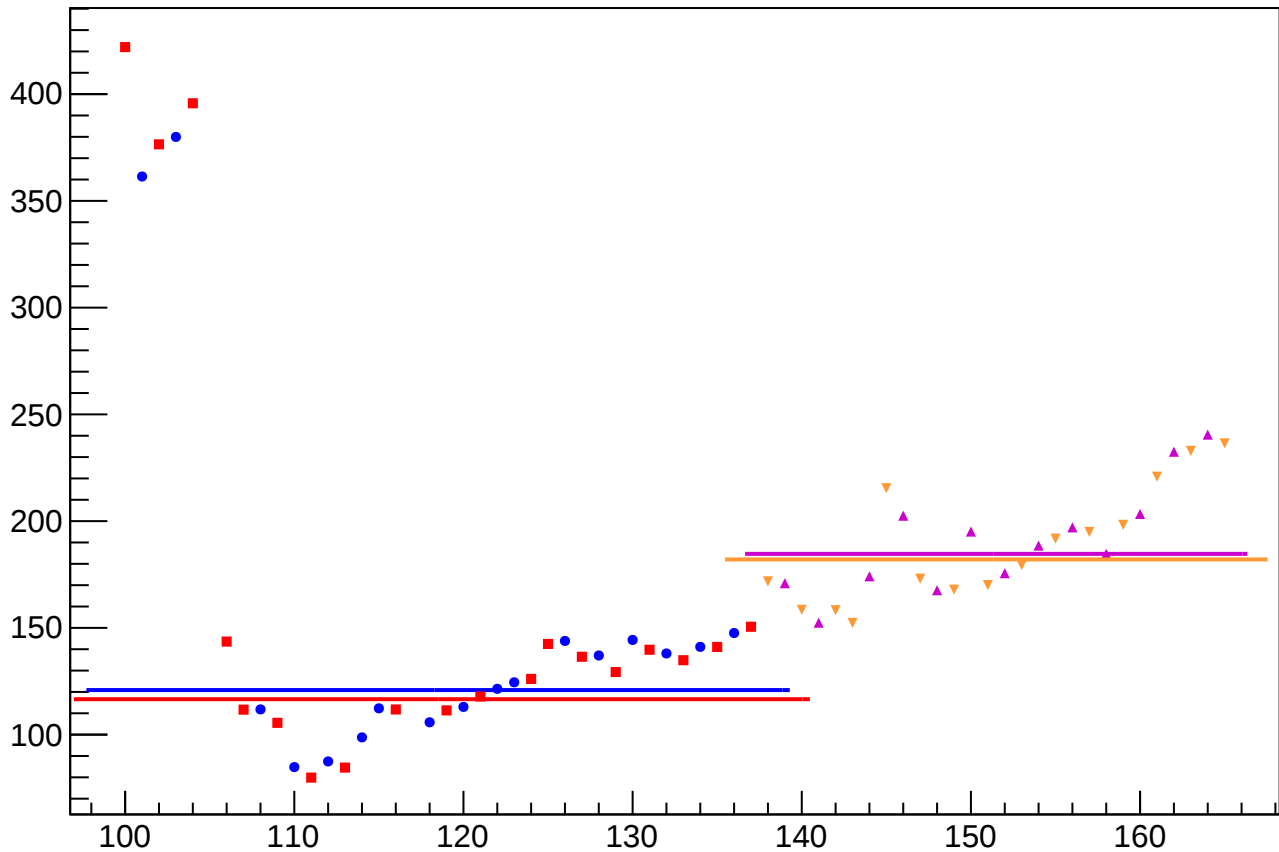
- sign 169.188 ± 0.030 χ^2/NDF : 1619755.4/31

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16
 Left Out: 145141.142 $\pm$ 0.056 χ^2 /NDF: 4086040074.4/14
 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
 All: 138822.155 $\pm$ 0.026 χ^2 /NDF: 515500275
 + sign 139189.252 $\pm$ 0.037 χ^2 /NDF: 26150238717.
 - sign 138465.028 $\pm$ 0.037 χ^2 /NDF: 25208711795.6

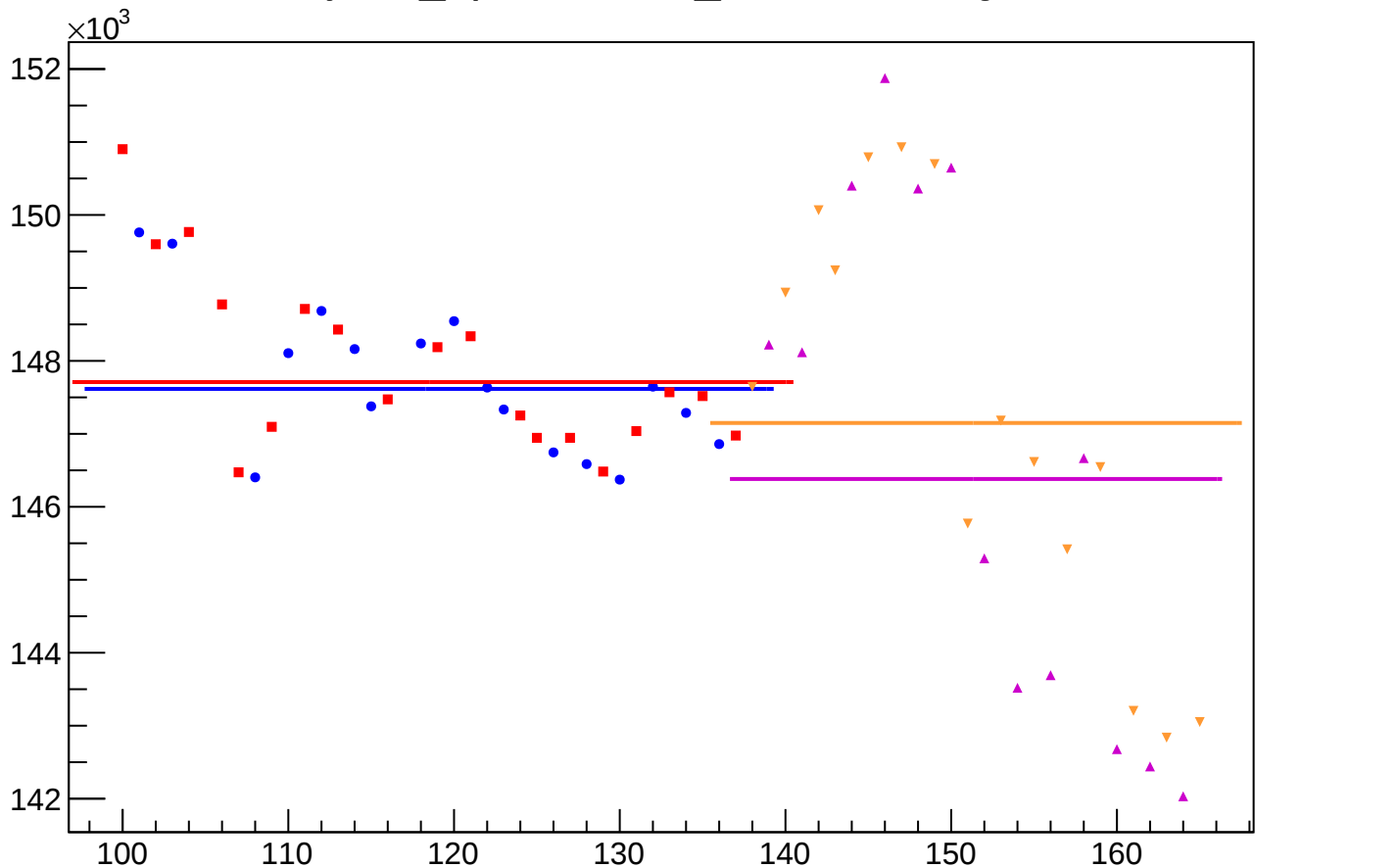
yield_bpm1i04WS_rms vs Slug



Right In: 120.872 ± 0.036 χ^2/NDF : 1463728.4/16
 Left Out: 182.062 ± 0.039 χ^2/NDF : 370824.5/14
 Right Out: 116.595 ± 0.034 χ^2/NDF : 1541338.5/18
 Left In: 184.672 ± 0.041 χ^2/NDF : 274293.0/12

+ sign 148.468 ± 0.026 χ^2/NDF : 3167101.2/31
 All: 146.024 ± 0.019 χ^2/NDF : 6639479.6/63
 - sign 143.646 ± 0.026 χ^2/NDF : 3455437.4/31

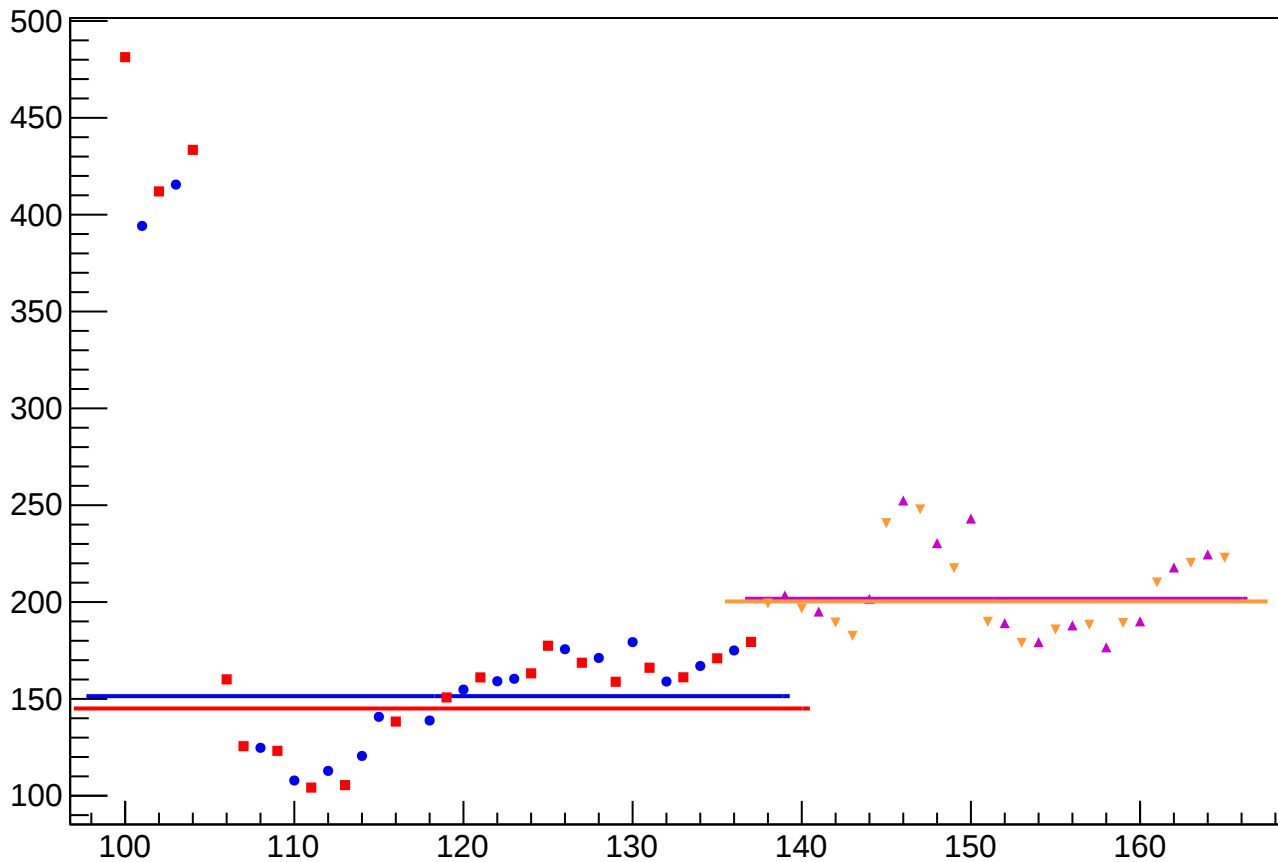
yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 ± 0.062 $\chi^2/\text{NDF}: 199263428.7/16$
 Left Out: 147149.247 ± 0.061 $\chi^2/\text{NDF}: 1697227401.6/14$
 Right Out: 147709.723 ± 0.058 $\chi^2/\text{NDF}: 203906685.9/18$
 Left In: 146381.467 ± 0.064 $\chi^2/\text{NDF}: 2496940262.5/12$

+ sign 147376.830 ± 0.044 $\chi^2/\text{NDF}: 1925111202.0$
 All: 147238.335 ± 0.031 $\chi^2/\text{NDF}: 488244743$
 - sign 147103.712 ± 0.043 $\chi^2/\text{NDF}: 2937459609.2$

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 200.320 $\pm$ 0.043 χ^2 /NDF: 201831.4/14

Right Out: 145.039 $\pm$ 0.041 χ^2 /NDF: 1375972.0/18

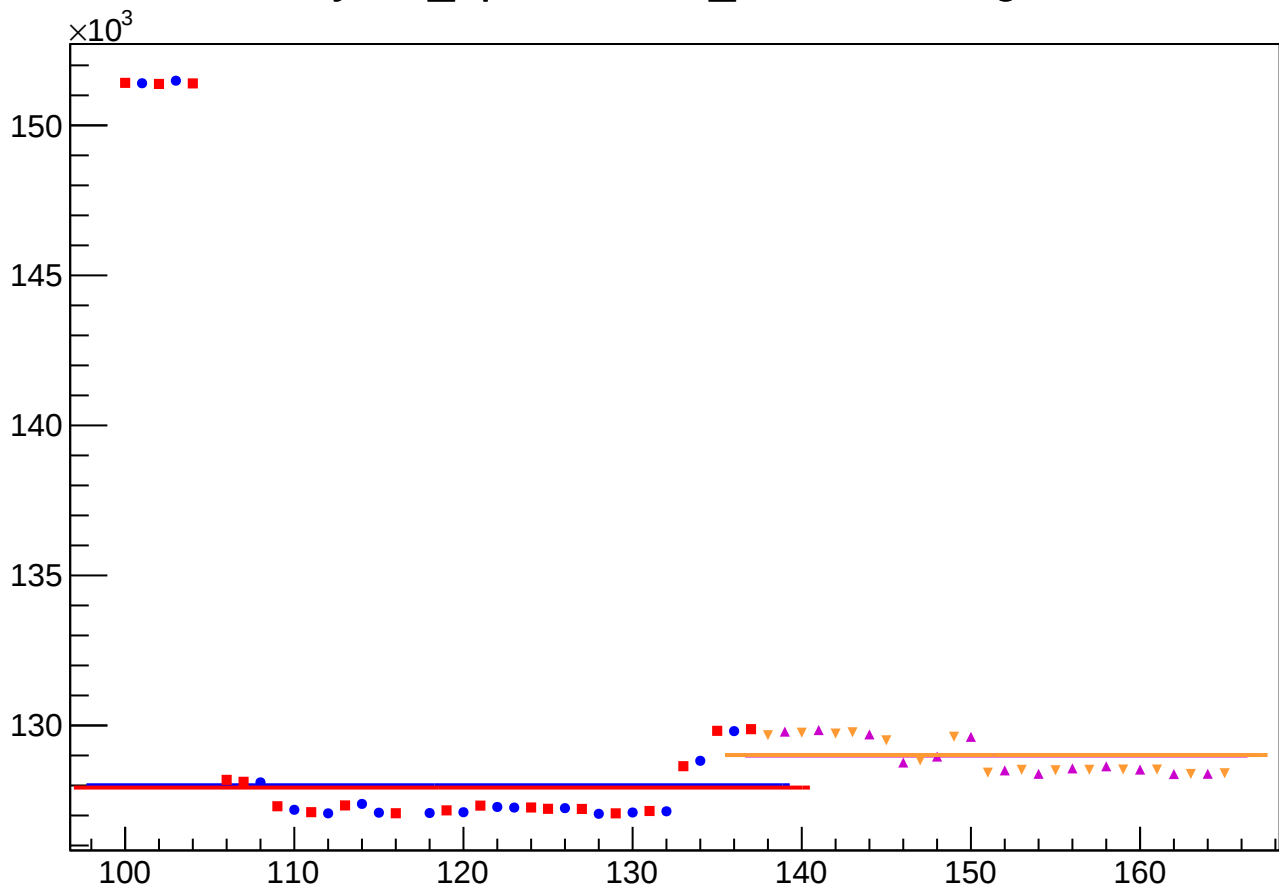
Left In: 201.692 $\pm$ 0.045 χ^2 /NDF: 240839.6/12

+ sign 176.486 $\pm$ 0.031 χ^2 /NDF: 2087429.7/31

All: 173.647 $\pm$ 0.022 χ^2 /NDF: 4581828.8/63

- sign 170.887 $\pm$ 0.030 χ^2 /NDF: 2477689.2/31

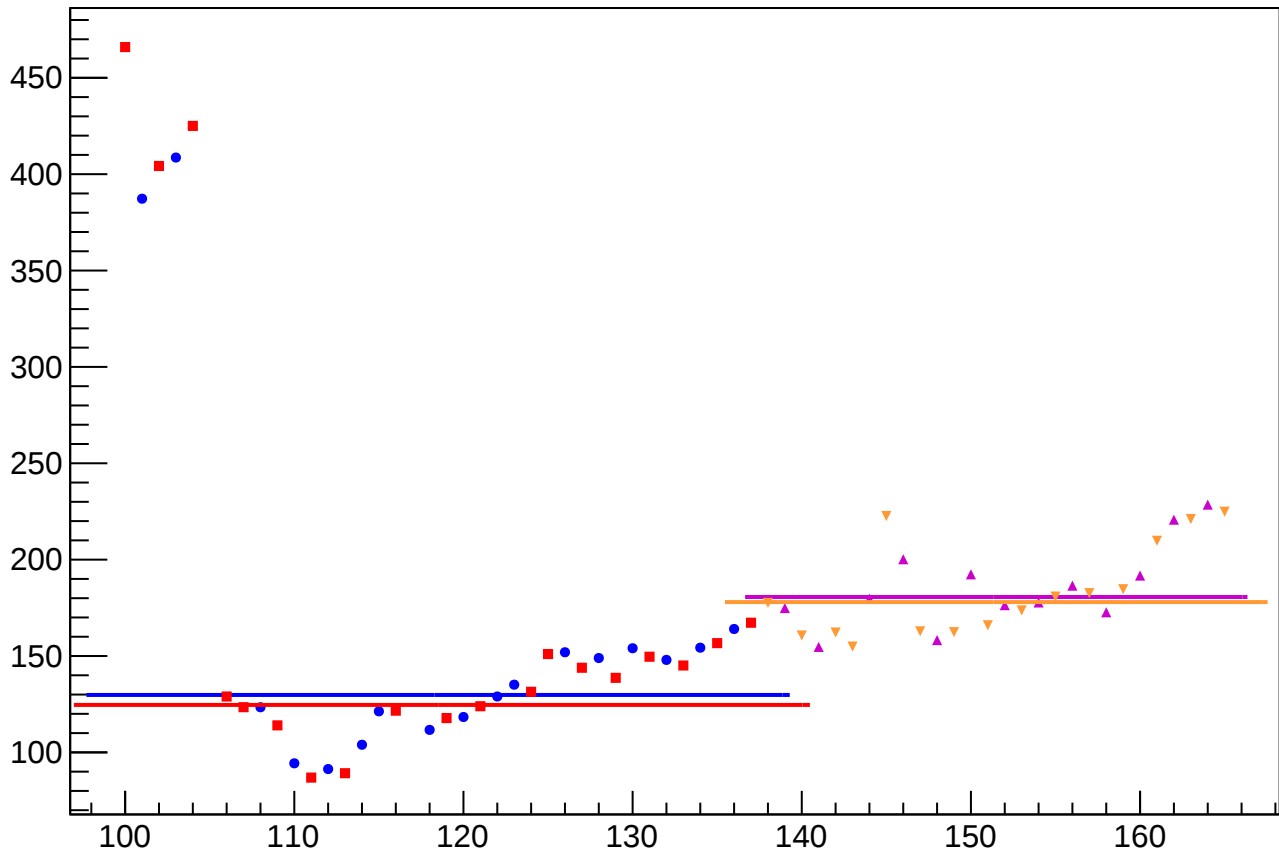
yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 ± 0.054 $\chi^2/\text{NDF}: 4319785674.5/16$
 Left Out: 129014.865 ± 0.054 $\chi^2/\text{NDF}: 114332311.7/14$
 Right Out: 127930.136 ± 0.050 $\chi^2/\text{NDF}: 3768176193.0/18$
 Left In: 128998.178 ± 0.057 $\chi^2/\text{NDF}: 100800378.9/12$

+ sign 128511.054 ± 0.038 $\chi^2/\text{NDF}: 4607352578.4$
 All: 128454.208 ± 0.027 $\chi^2/\text{NDF}: 86779424$
 - sign 128398.943 ± 0.038 $\chi^2/\text{NDF}: 4066239196.9$

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 ± 0.038 χ^2/NDF : 1485294.2/16

Left Out: 177.982 ± 0.038 χ^2/NDF : 300911.8/14

Right Out: 124.625 ± 0.036 χ^2/NDF : 1531827.4/18

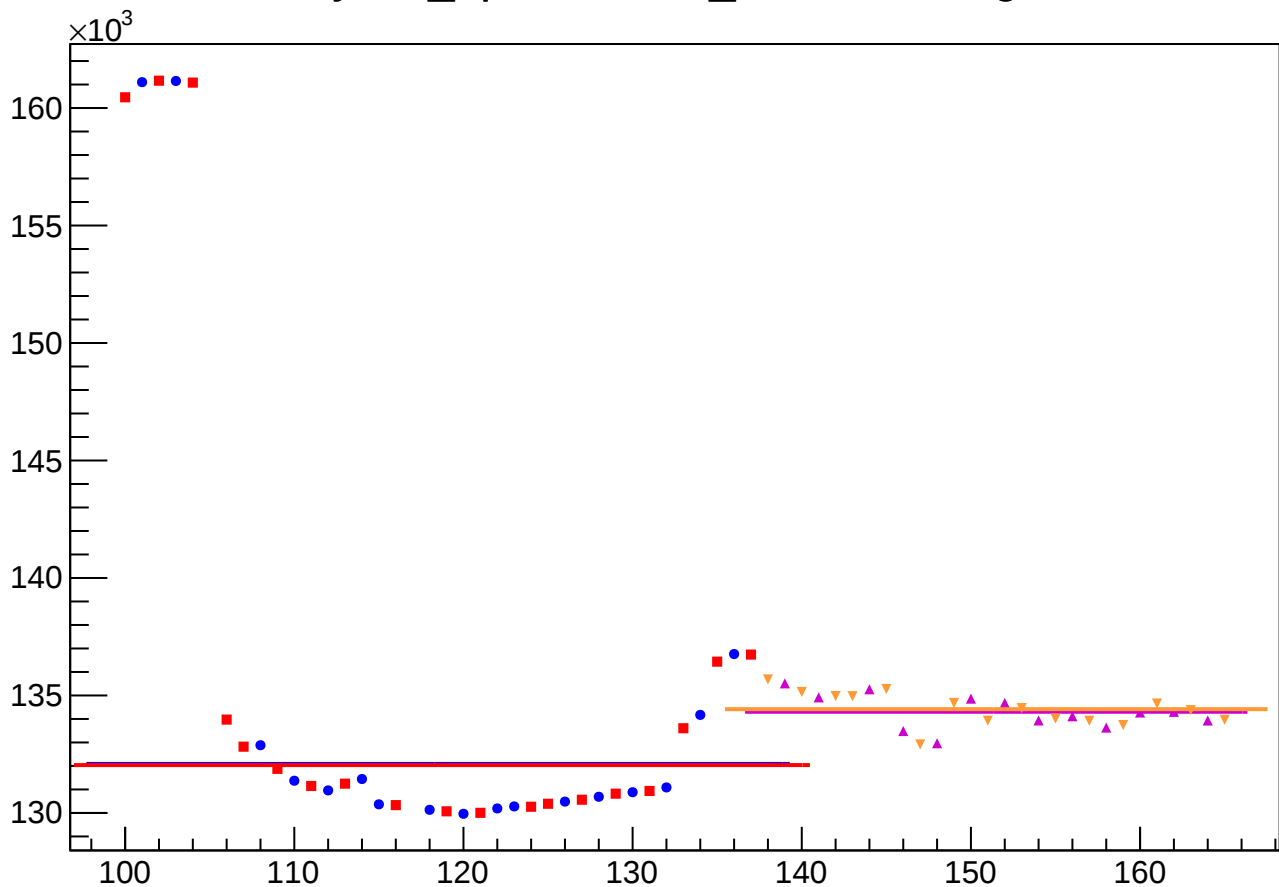
Left In: 180.616 ± 0.040 χ^2/NDF : 214477.5/12

+ sign 153.886 ± 0.027 χ^2/NDF : 2578739.3/31

All: 151.511 ± 0.019 χ^2/NDF : 5424500.9/63

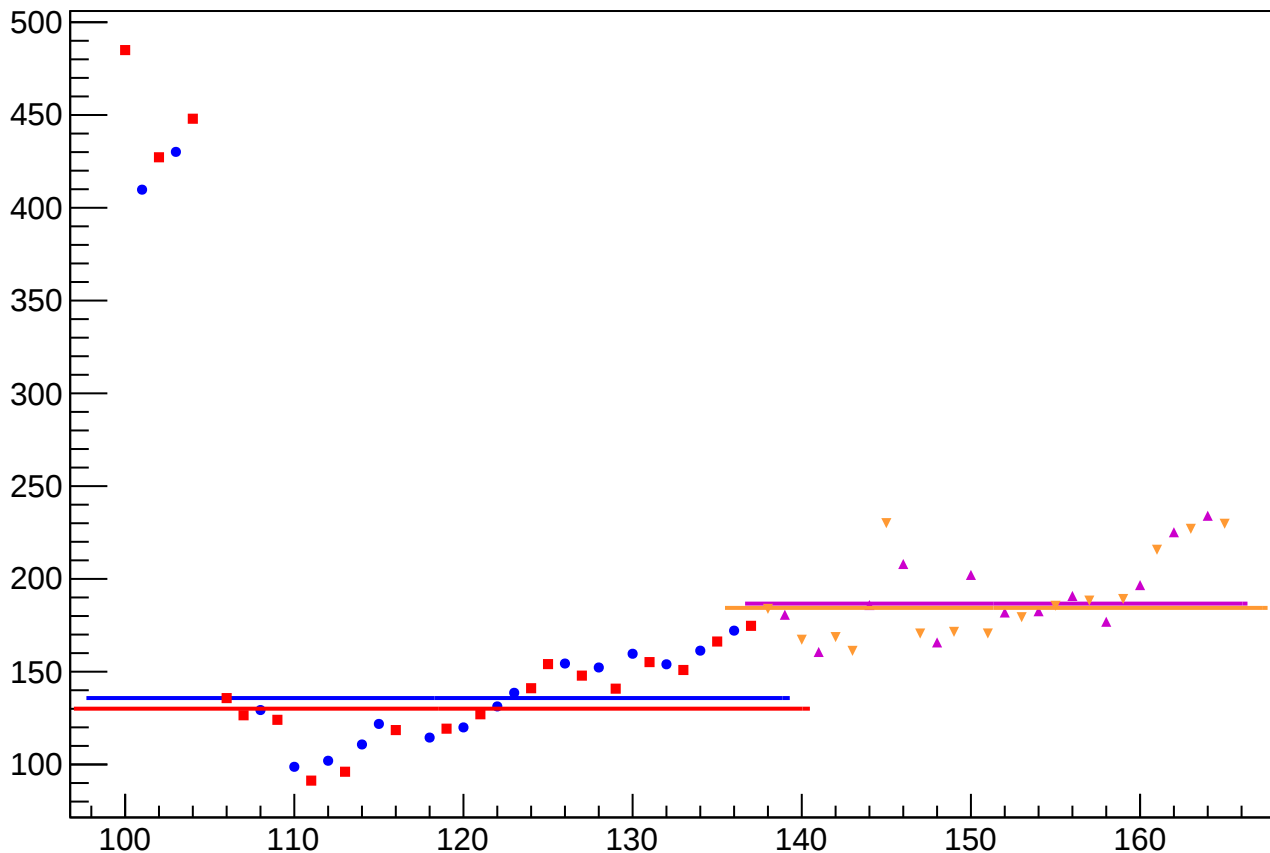
- sign 149.201 ± 0.027 χ^2/NDF : 2830566.7/31

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134416.801 $\pm$ 0.056 χ^2 /NDF: 162829776.4/14
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134306.959 $\pm$ 0.059 χ^2 /NDF: 157065309.4/12
 + sign 133261.526 $\pm$ 0.040 χ^2 /NDF: 7752727043.7
 All: 133150.911 $\pm$ 0.028 χ^2 /NDF: 146345992
 - sign 133043.659 $\pm$ 0.039 χ^2 /NDF: 6866659970.5

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2/NDF : 1441904.9/16

Left Out: 184.379 $\pm$ 0.040 χ^2/NDF : 274363.0/14

Right Out: 130.070 $\pm$ 0.037 χ^2/NDF : 1503997.6/18

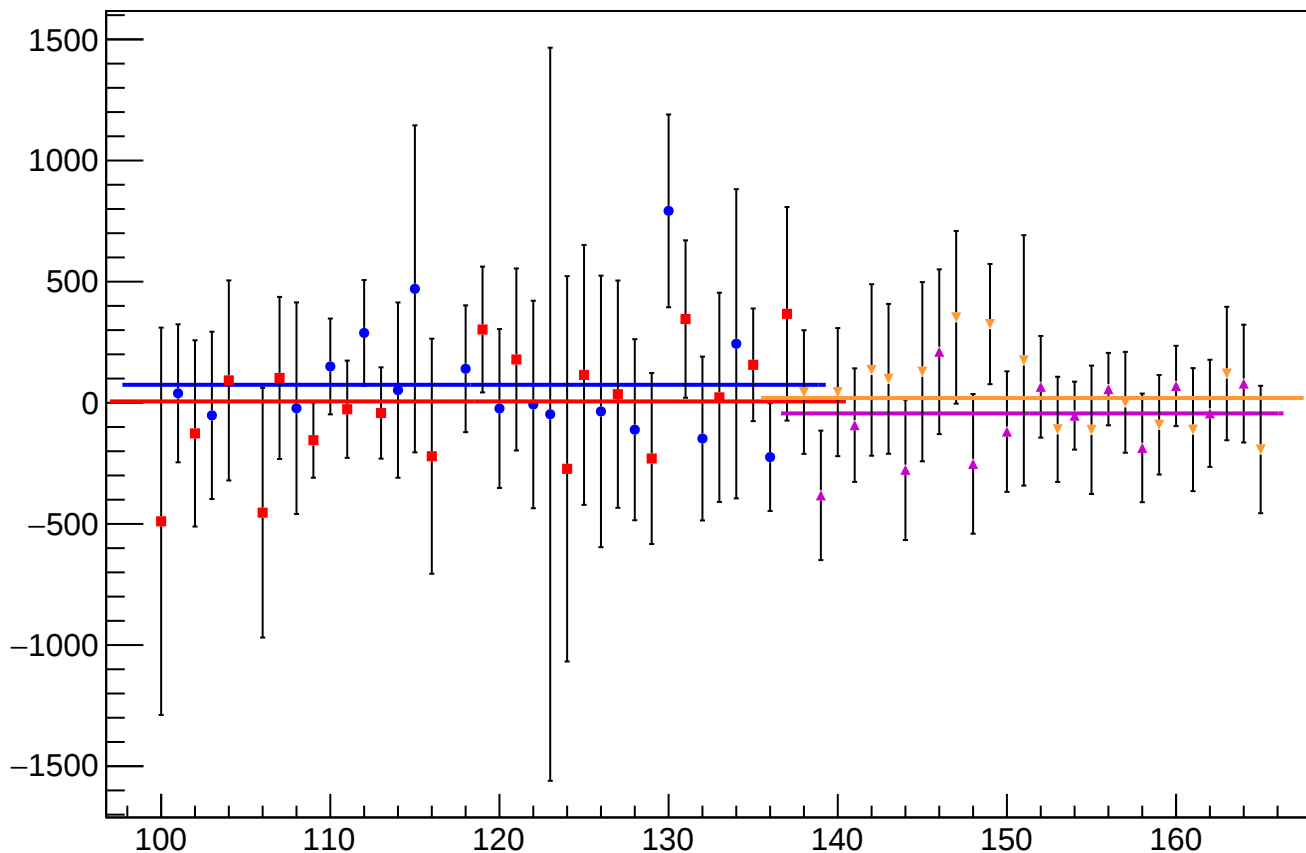
Left In: 186.685 $\pm$ 0.042 χ^2/NDF : 200886.9/12

+ sign 160.290 $\pm$ 0.028 χ^2/NDF : 2461153.3/31

All: 157.690 $\pm$ 0.020 χ^2/NDF : 5212831.3/63

- sign 155.169 $\pm$ 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: 19.866+/-69.227 χ^2/NDF : 4.7/14

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

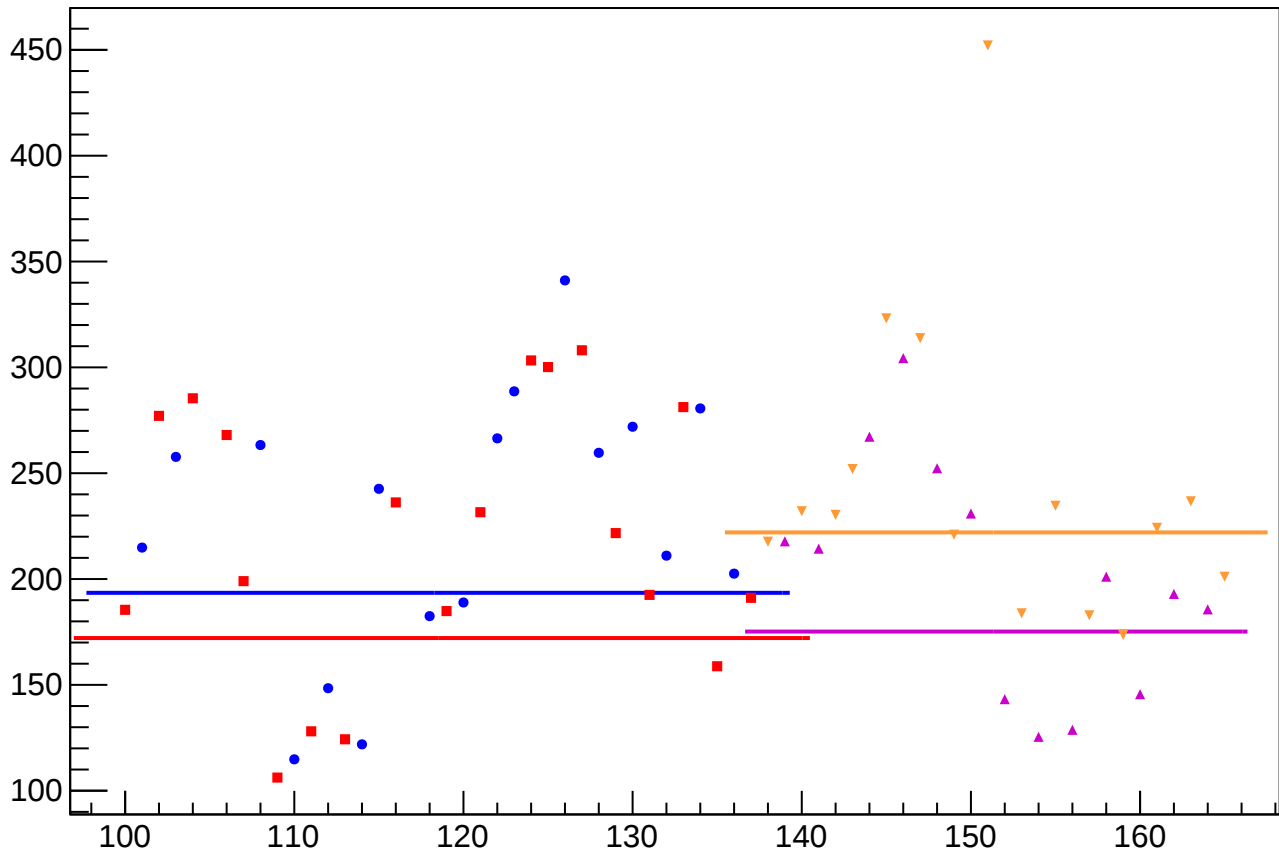
Left In: -43.838+/-58.423 χ^2/NDF : 5.3/12

+ sign 43.501+/-52.071 χ^2/NDF : 12.7/31

All: 5.049+/-33.992 χ^2/NDF : 26.3/63

- sign -23.506+/-44.872 χ^2/NDF : 12.7/31

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 222.028 $\pm$ 0.049 χ^2 /NDF: 968906.3/14

Right Out: 172.122 $\pm$ 0.050 χ^2 /NDF: 1579840.2/18

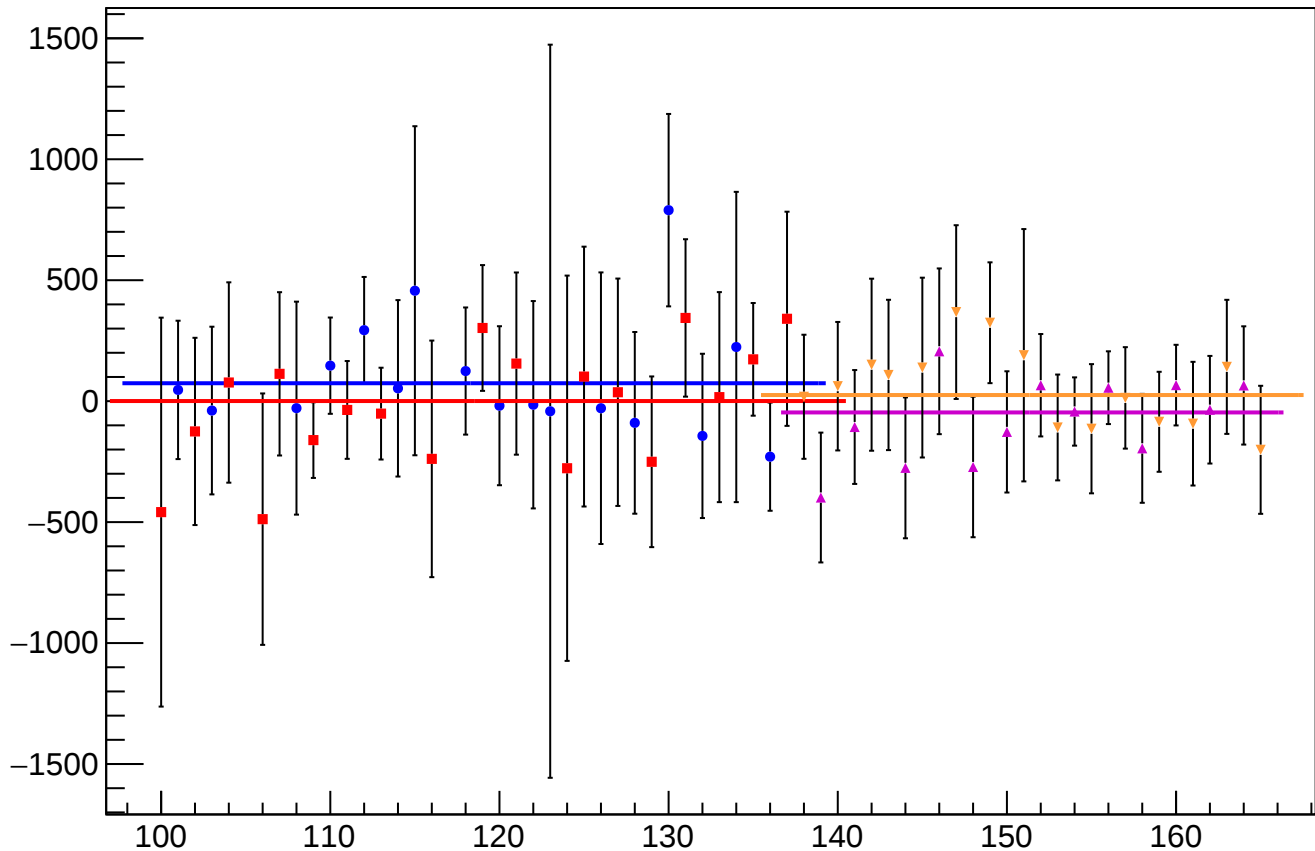
Left In: 175.183 $\pm$ 0.041 χ^2 /NDF: 1438615.6/12

+ sign 209.635 $\pm$ 0.037 χ^2 /NDF: 2133714.6/31

All: 189.144 $\pm$ 0.024 χ^2 /NDF: 5694113.5/63

- sign 173.928 $\pm$ 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: 25.308+/-69.671 χ^2/NDF : 4.8/14

Right Out: 0.503+/-70.437 χ^2/NDF : 7.3/18

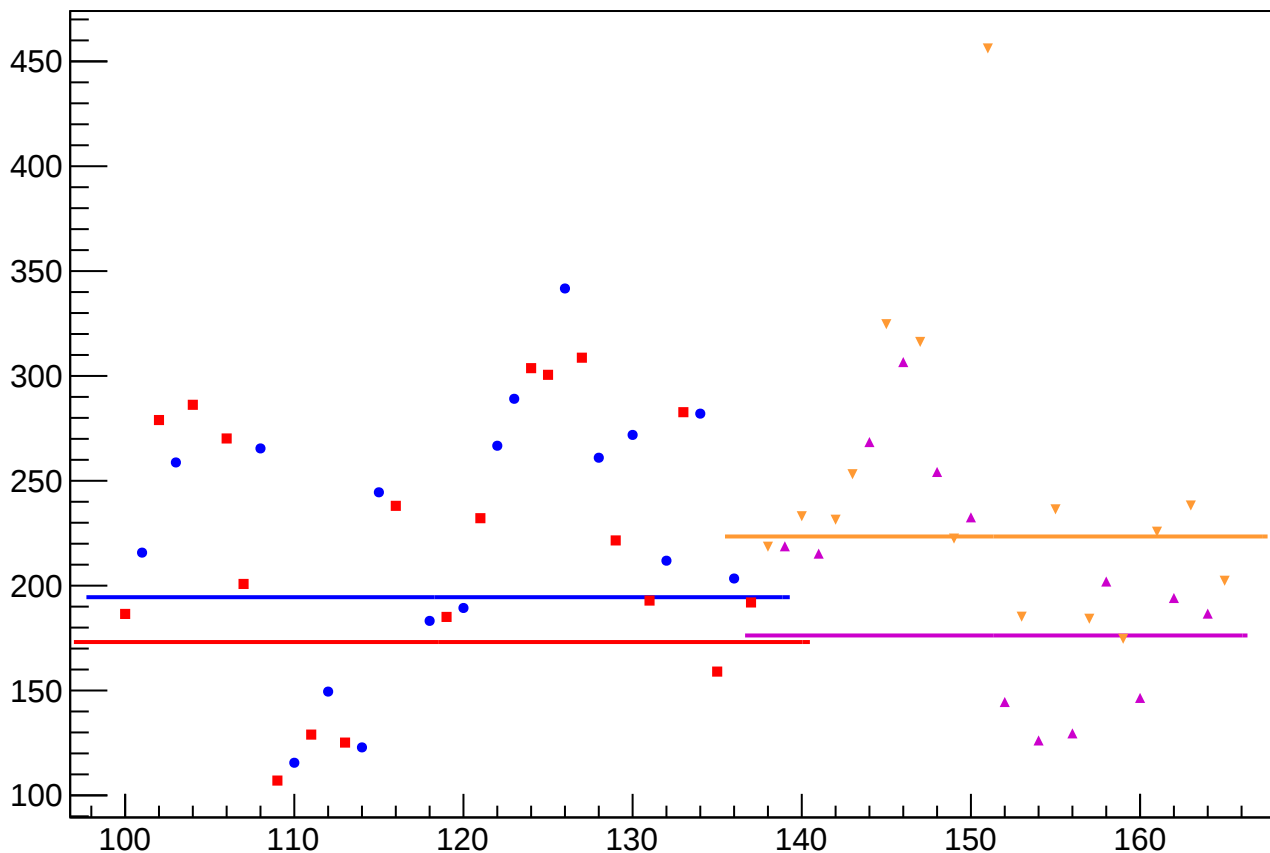
Left In: -46.645+/-58.776 χ^2/NDF : 5.5/12

+ sign 46.531+/-52.370 χ^2/NDF : 12.6/31

All: 4.167+/-34.186 χ^2/NDF : 26.8/63

- 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: 223.444 $\pm$ 0.049 χ^2 /NDF: 968466.8/14

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

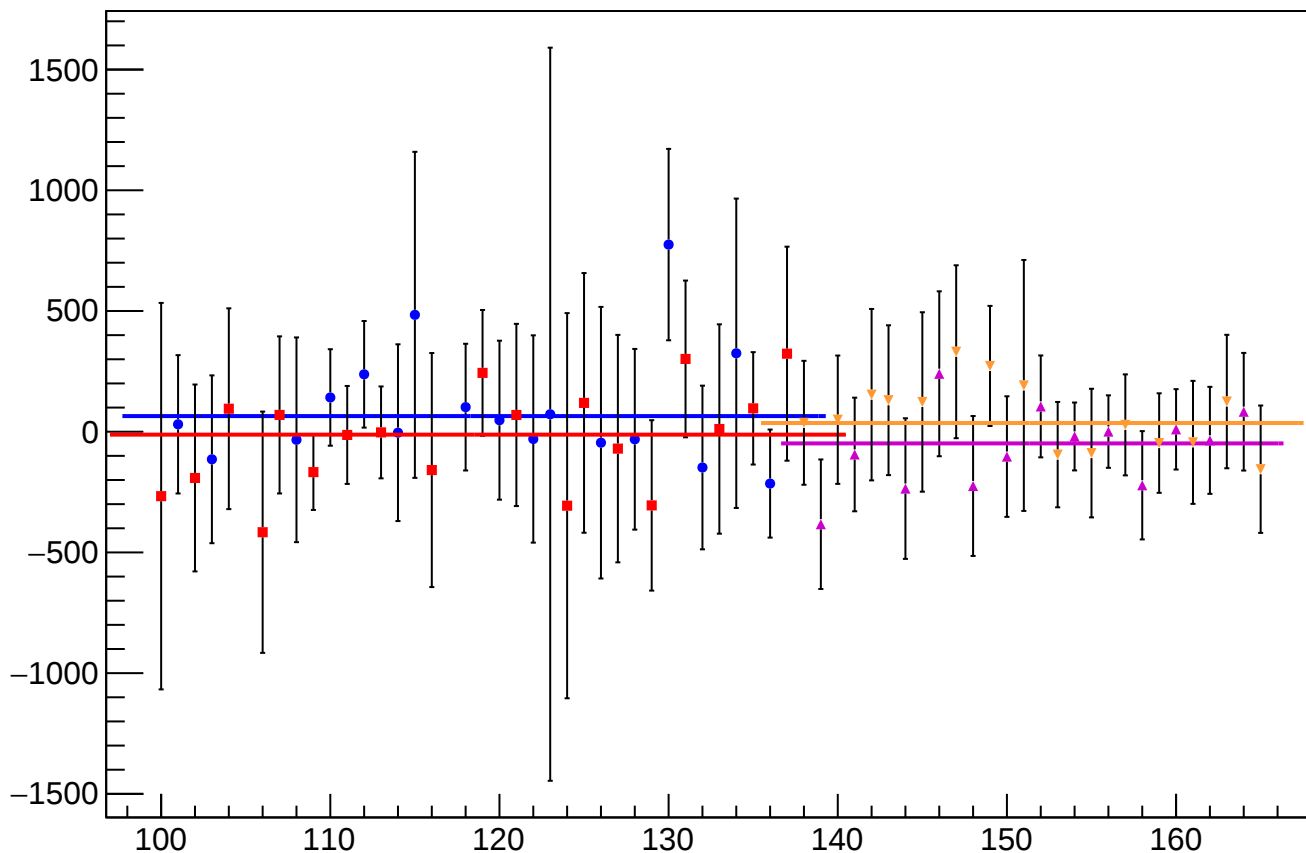
Left In: 176.242 $\pm$ 0.042 χ^2 /NDF: 1436537.2/12

+ sign 210.852 $\pm$ 0.037 χ^2 /NDF: 2127167.9/31

All: 190.253 $\pm$ 0.024 χ^2 /NDF: 5672613.4/63

- 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: 36.000 ± 69.516 χ^2/NDF : 3.4/14

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

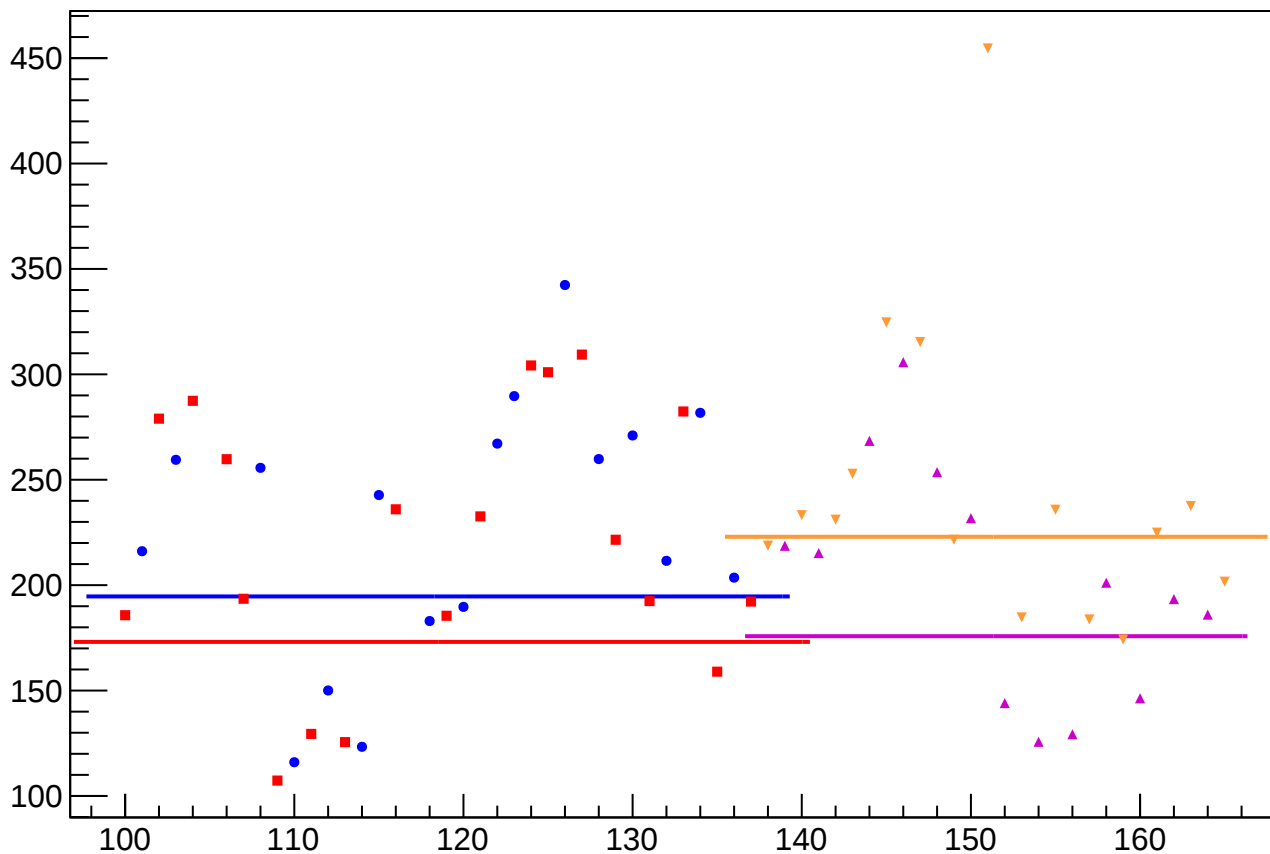
Left In: -48.416 ± 58.630 χ^2/NDF : 4.8/12

+ sign 48.468 ± 52.303 χ^2/NDF : 10.5/31

All: 1.386 ± 34.130 χ^2/NDF : 22.7/63

- 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: 222.940 $\pm$ 0.049 χ^2 /NDF: 970205.0/14

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

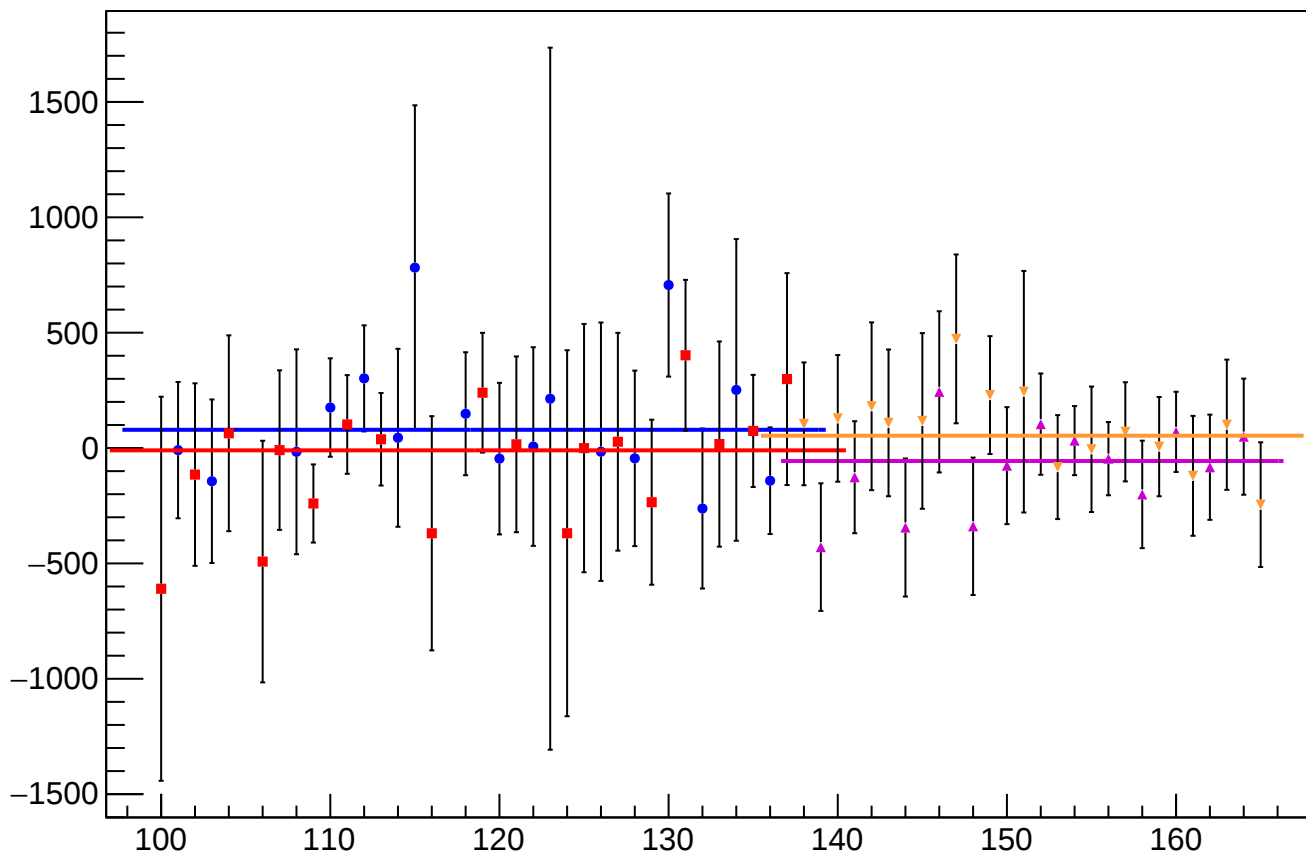
Left In: 175.790 $\pm$ 0.041 χ^2 /NDF: 1439733.8/12

+ sign 210.665 $\pm$ 0.037 χ^2 /NDF: 2100713.2/31

All: 190.005 $\pm$ 0.024 χ^2 /NDF: 5630218.1/63

- 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: 53.526+/-71.466 χ^2/NDF : 4.4/14

Right Out: -9.982+/-73.310 χ^2/NDF : 7.9/18

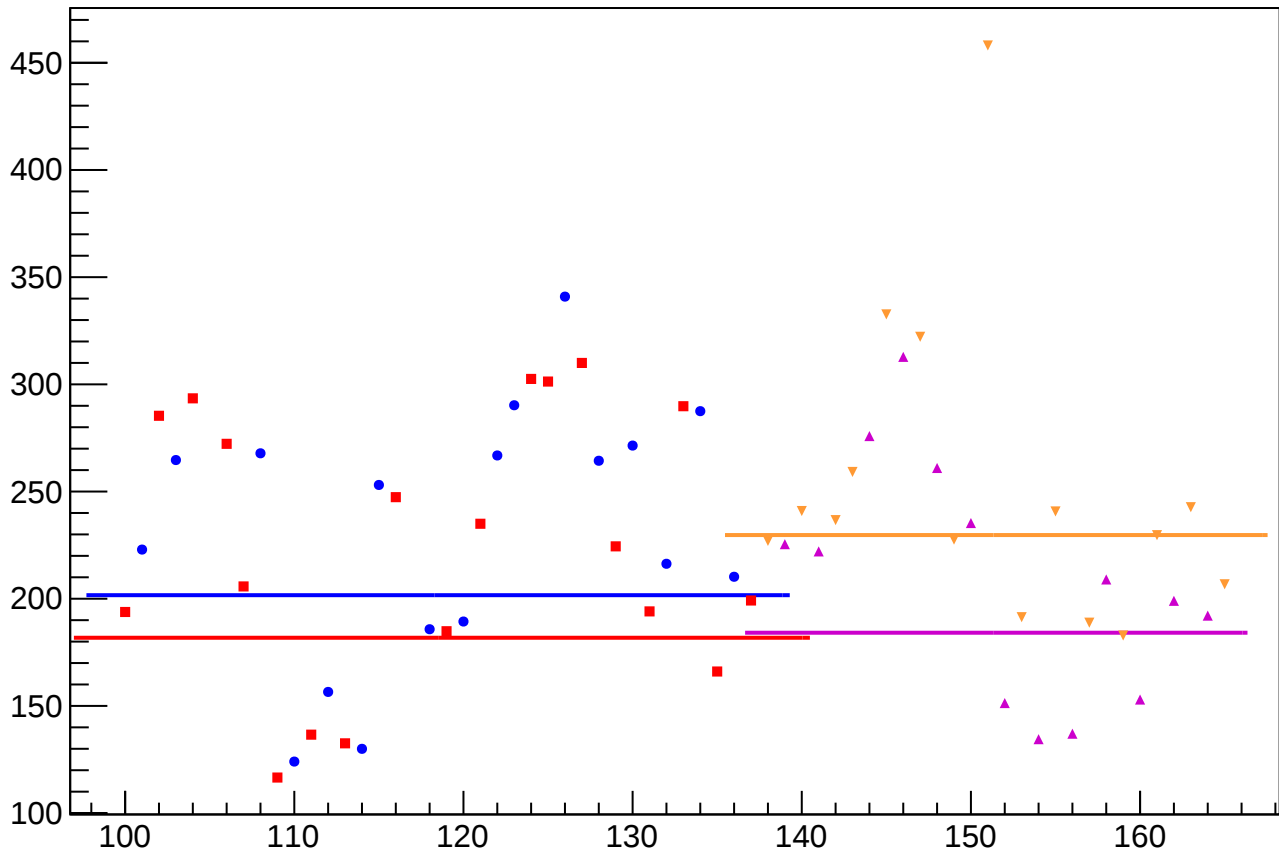
Left In: -56.211+/-61.094 χ^2/NDF : 6.5/12

+ sign 64.597+/-53.841 χ^2/NDF : 12.0/31

All: 6.718+/-35.378 χ^2/NDF : 28.5/63

- 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: 229.703+/-0.051 χ^2/NDF : 923639.6/14

+ sign 217.574+/-0.038 χ^2/NDF : 1940038.6/31

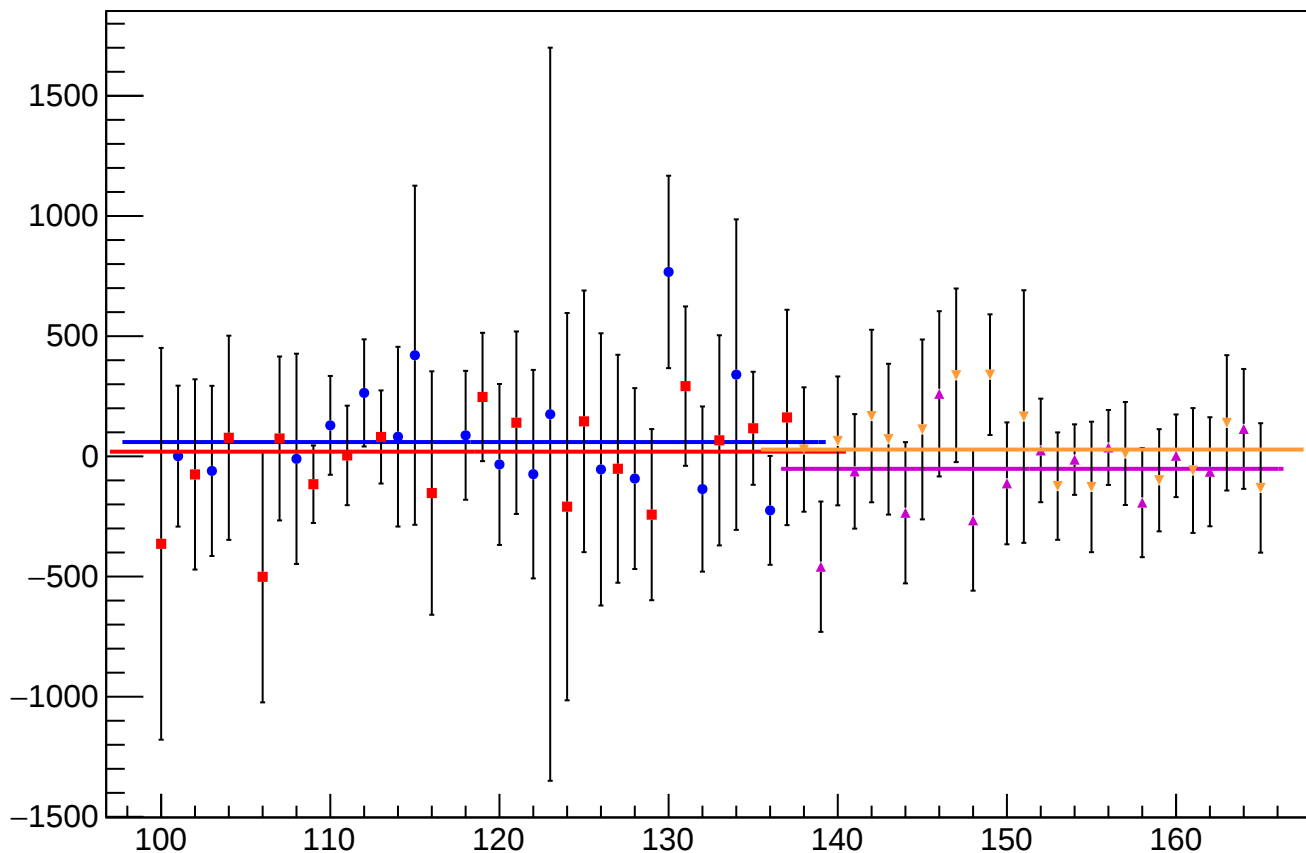
Right Out: 181.797+/-0.052 χ^2/NDF : 1377449.9/18

All: 198.031+/-0.025 χ^2/NDF : 5088570.5/63

- sign 183.181+/-0.033 χ^2/NDF : 2684801.9/31

Left In: 184.141+/-0.043 χ^2/NDF : 1306145.4/12

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 ± 80.808 χ^2/NDF : 7.0/16

Left Out: 28.290 ± 70.736 χ^2/NDF : 4.4/14

Right Out: 19.541 ± 71.866 χ^2/NDF : 4.7/18

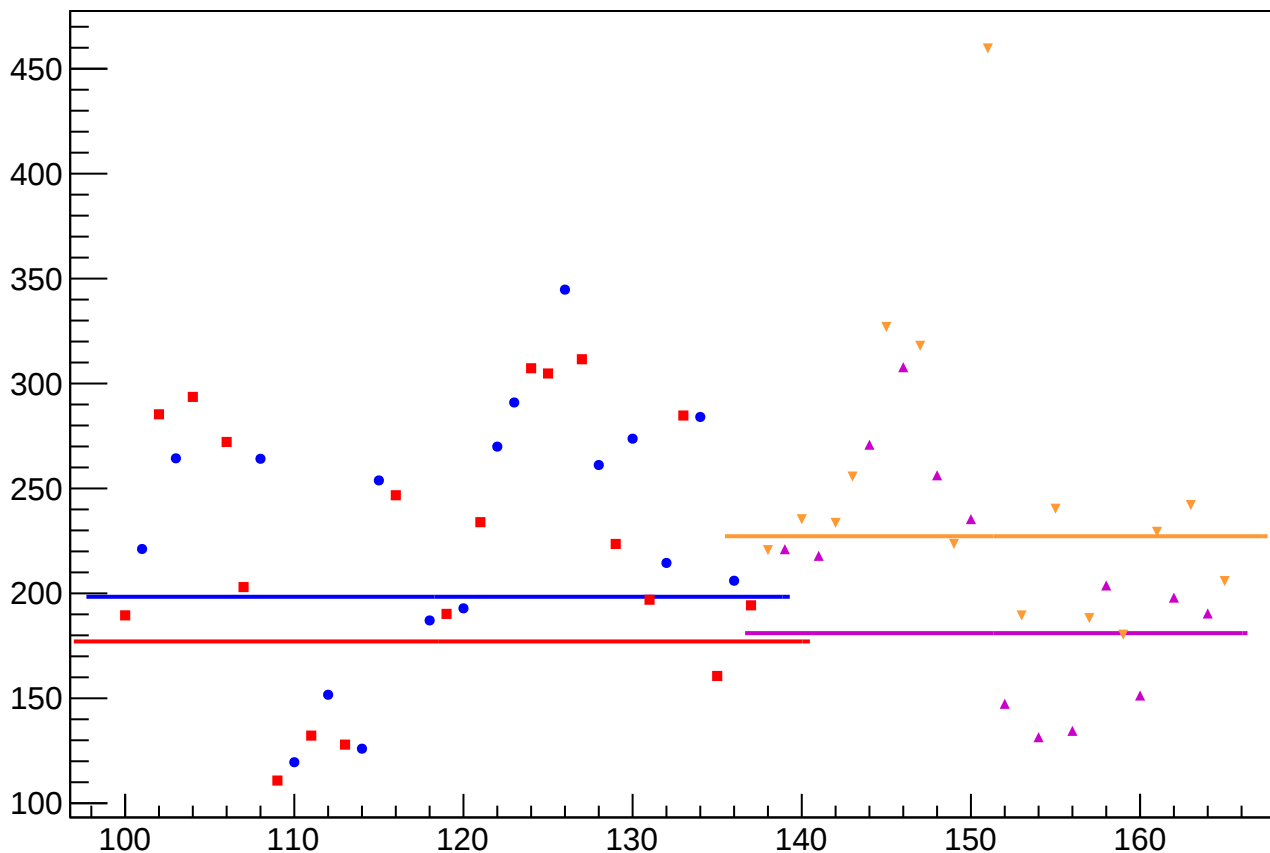
Left In: -51.892 ± 60.159 χ^2/NDF : 5.5/12

+ sign 41.828 ± 53.225 χ^2/NDF : 11.5/31

All: 5.116 ± 34.859 χ^2/NDF : 23.1/63

- sign -22.460 ± 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: 227.228+/-0.050 χ^2/NDF : 923995.2/14

Right Out: 177.096+/-0.051 χ^2/NDF : 1524763.6/18

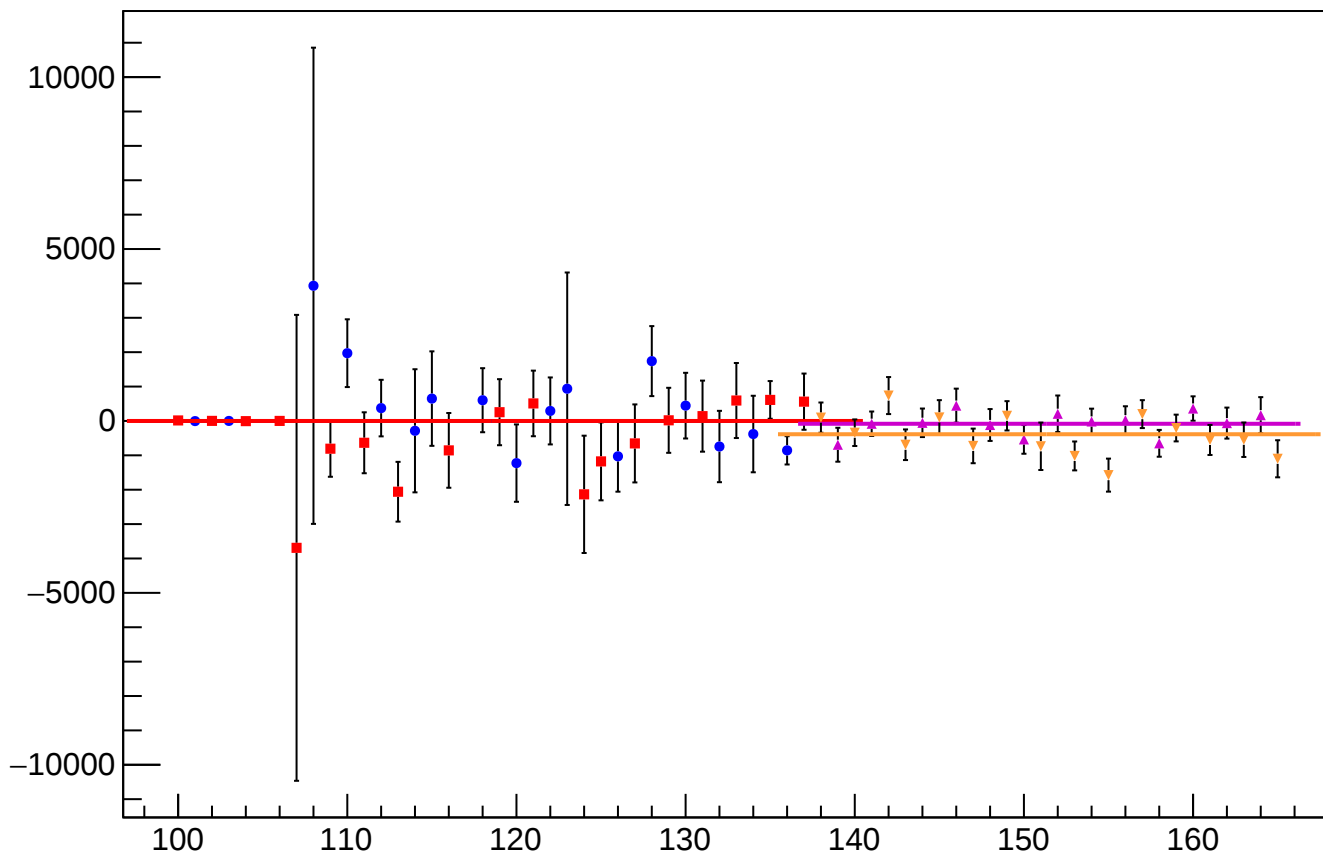
Left In: 181.059+/-0.043 χ^2/NDF : 1323030.8/12

+ sign 214.712+/-0.038 χ^2/NDF : 2031996.2/31

All: 194.562+/-0.025 χ^2/NDF : 5385329.6/63

- 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: -386.515 ± 118.498 χ^2/NDF : 22.0/14

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

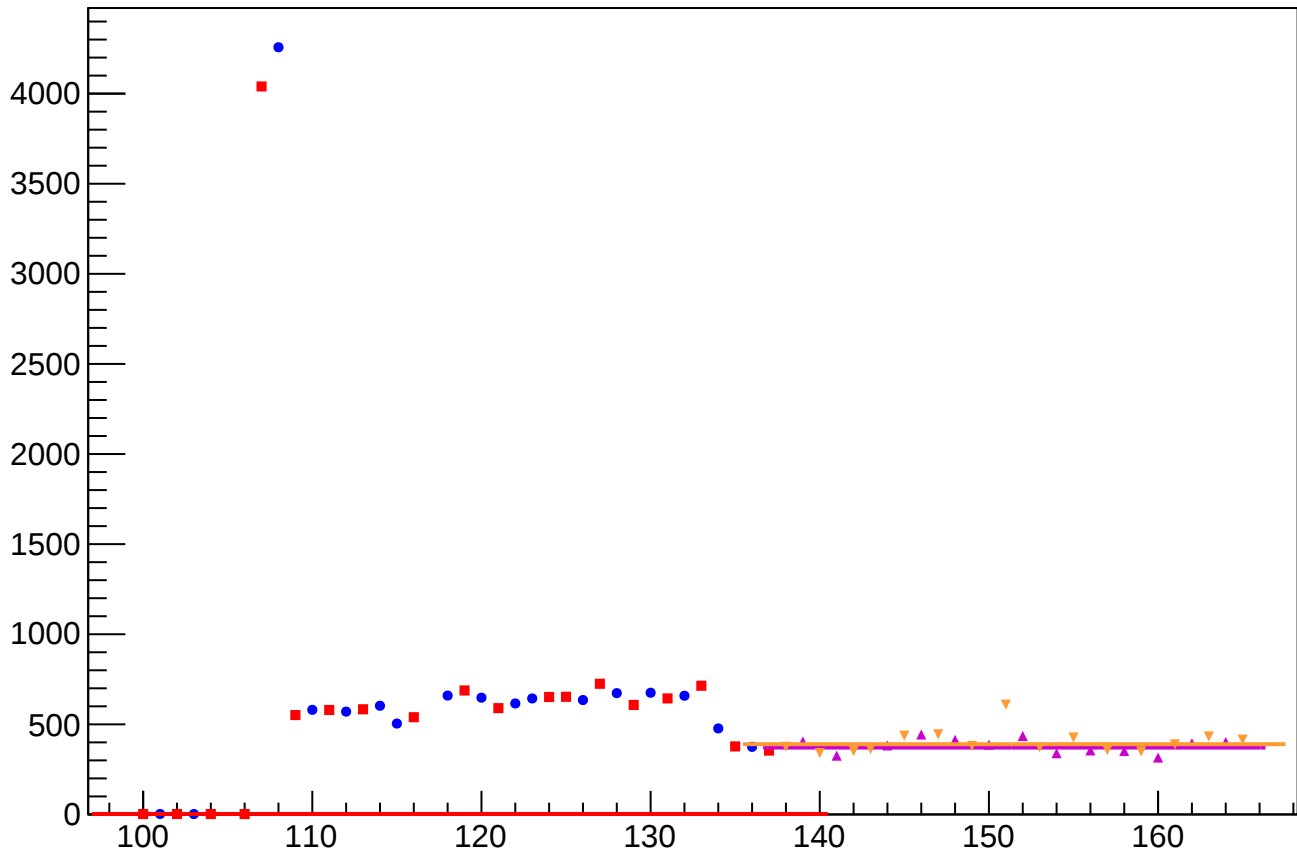
Left In: -82.443 ± 117.673 χ^2/NDF : 8.2/12

+ sign -1.668 ± 2.251 χ^2/NDF : 49.5/31

All: -1.181 ± 1.540 χ^2/NDF : 77.5/63

- 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: 389.834+/-0.084 χ^2/NDF : 364669.2/14

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

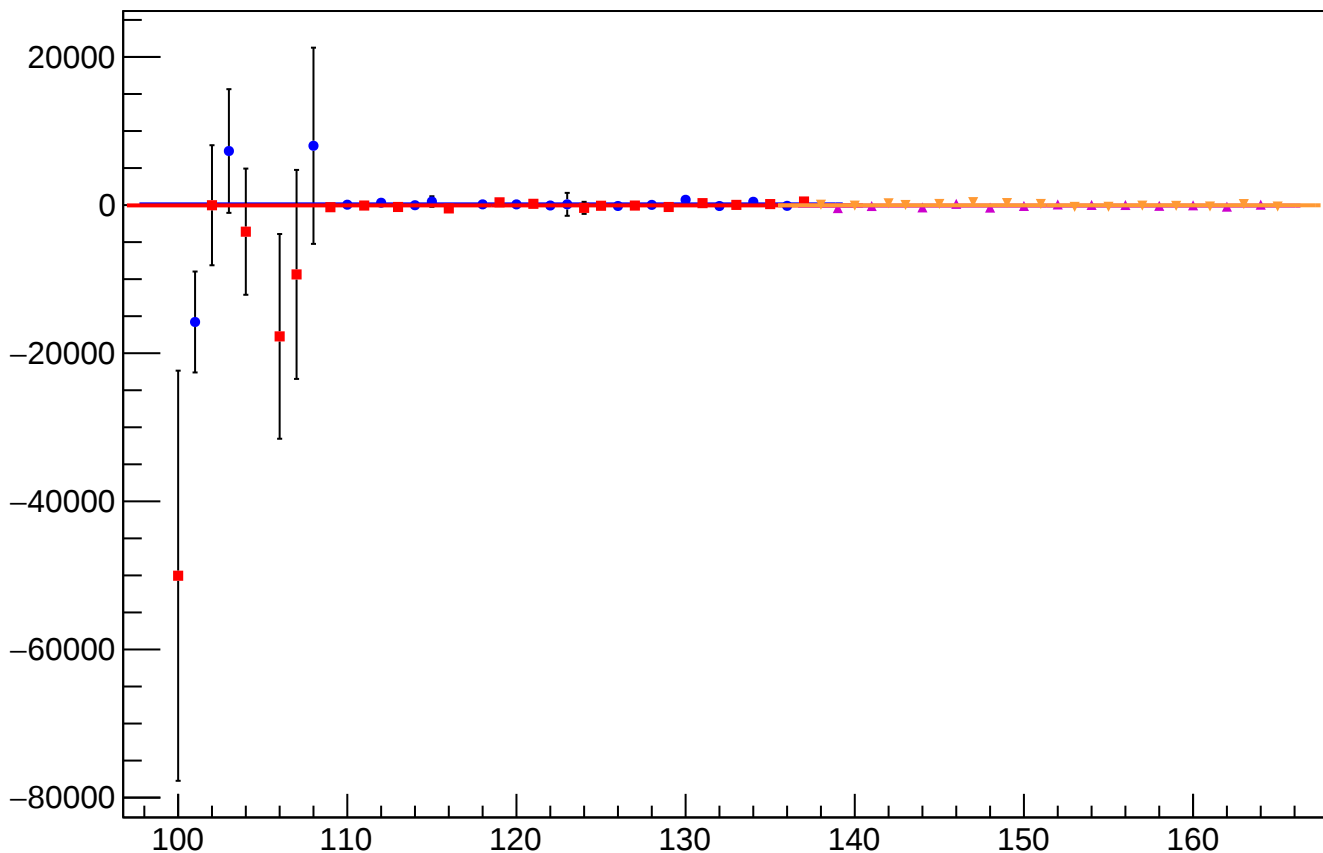
Left In: 371.335+/-0.083 χ^2/NDF : 218264.0/12

+ sign 2.596+/-0.002 χ^2/NDF : 32578199.1/31

All: 2.575+/-0.001 χ^2/NDF : 63593419.2/63

- 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: -27.889 ± 74.023 χ^2/NDF : 5.9/14

Right Out: -42.302 ± 84.496 χ^2/NDF : 13.9/18

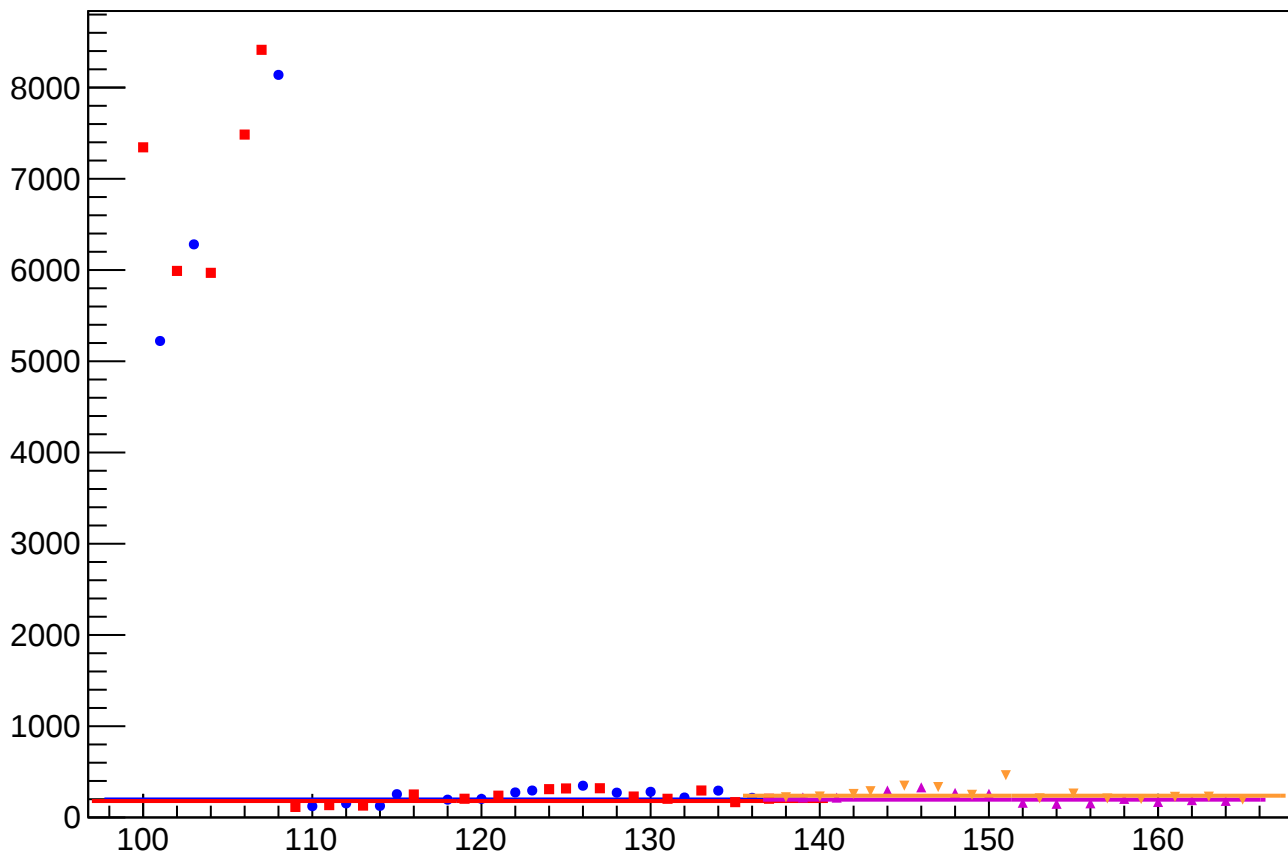
Left In: -72.655 ± 64.143 χ^2/NDF : 5.1/12

+ sign 22.590 ± 57.389 χ^2/NDF : 19.0/31

All: -24.354 ± 38.159 χ^2/NDF : 39.3/63

- 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: 238.468+/-0.052 χ^2/NDF : 884586.4/14

Right Out: 179.949+/-0.060 χ^2/NDF : 4321173.8/18

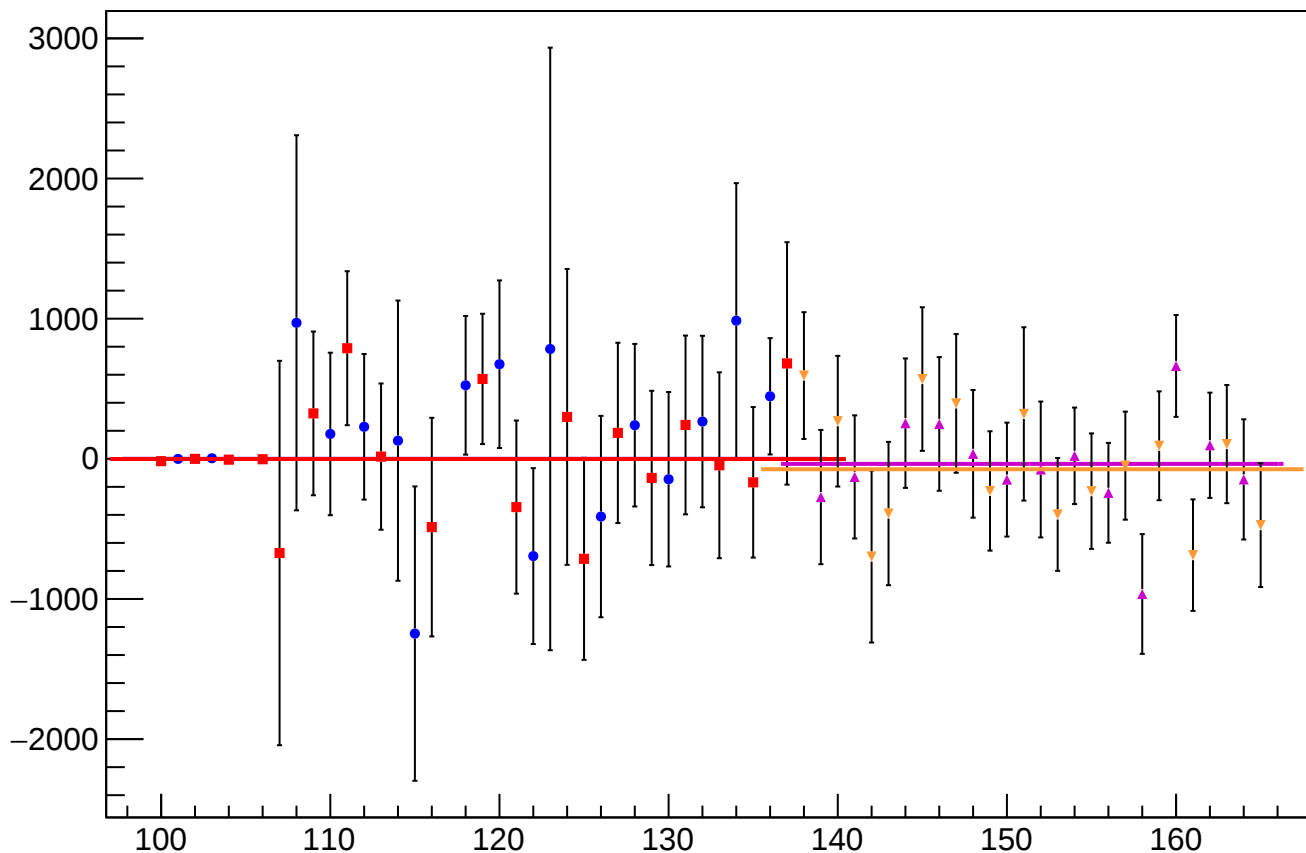
Left In: 194.858+/-0.045 χ^2/NDF : 1057933.1/12

+ sign 221.959+/-0.041 χ^2/NDF : 4827561.3/31

All: 203.799+/-0.027 χ^2/NDF : 10605123.0/63

- 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: -74.338 ± 115.879 χ^2/NDF : 11.5/14

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

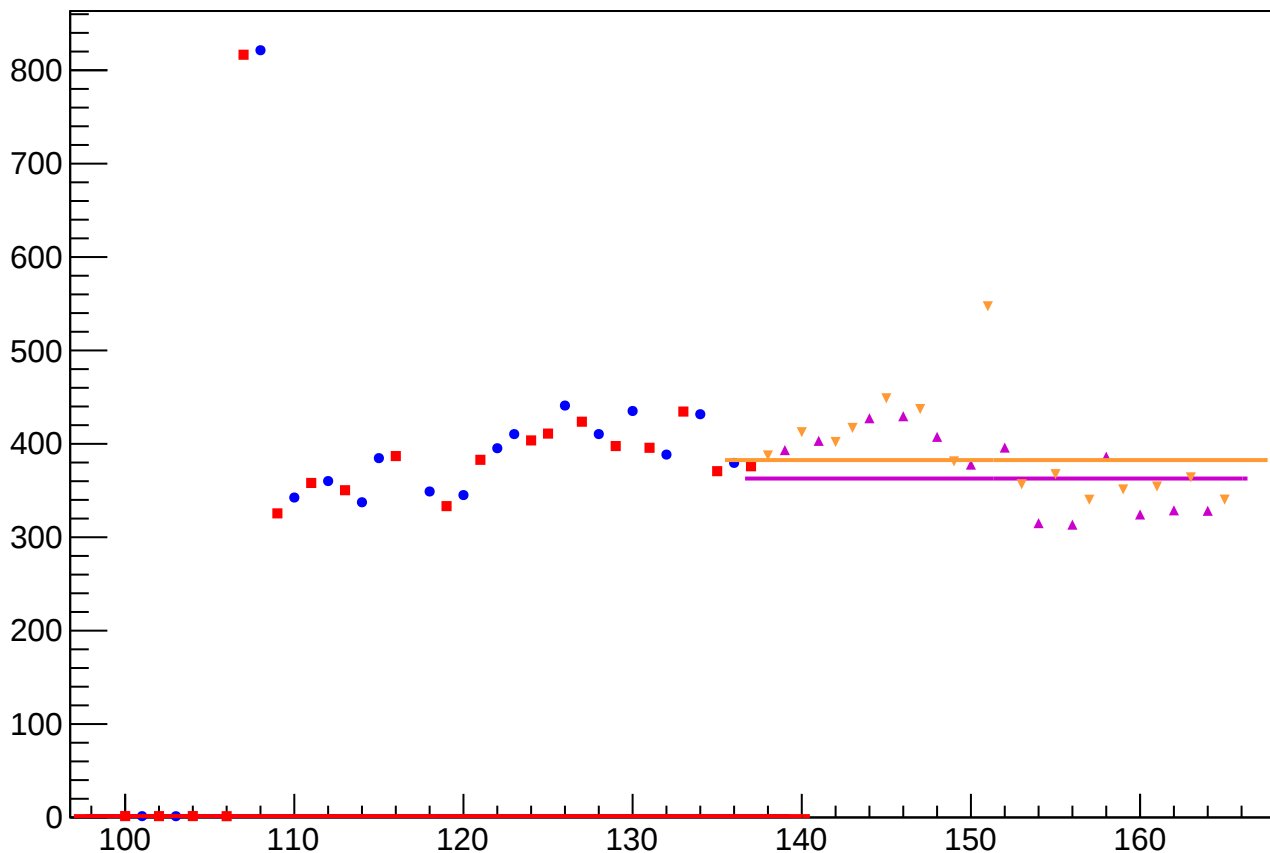
Left In: -36.097 ± 114.963 χ^2/NDF : 10.1/12

+ sign -0.155 ± 1.736 χ^2/NDF : 21.6/31

All: -0.782 ± 1.185 χ^2/NDF : 41.7/63

- 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: 382.625+/-0.082 χ^2/NDF :299654.3/14

Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

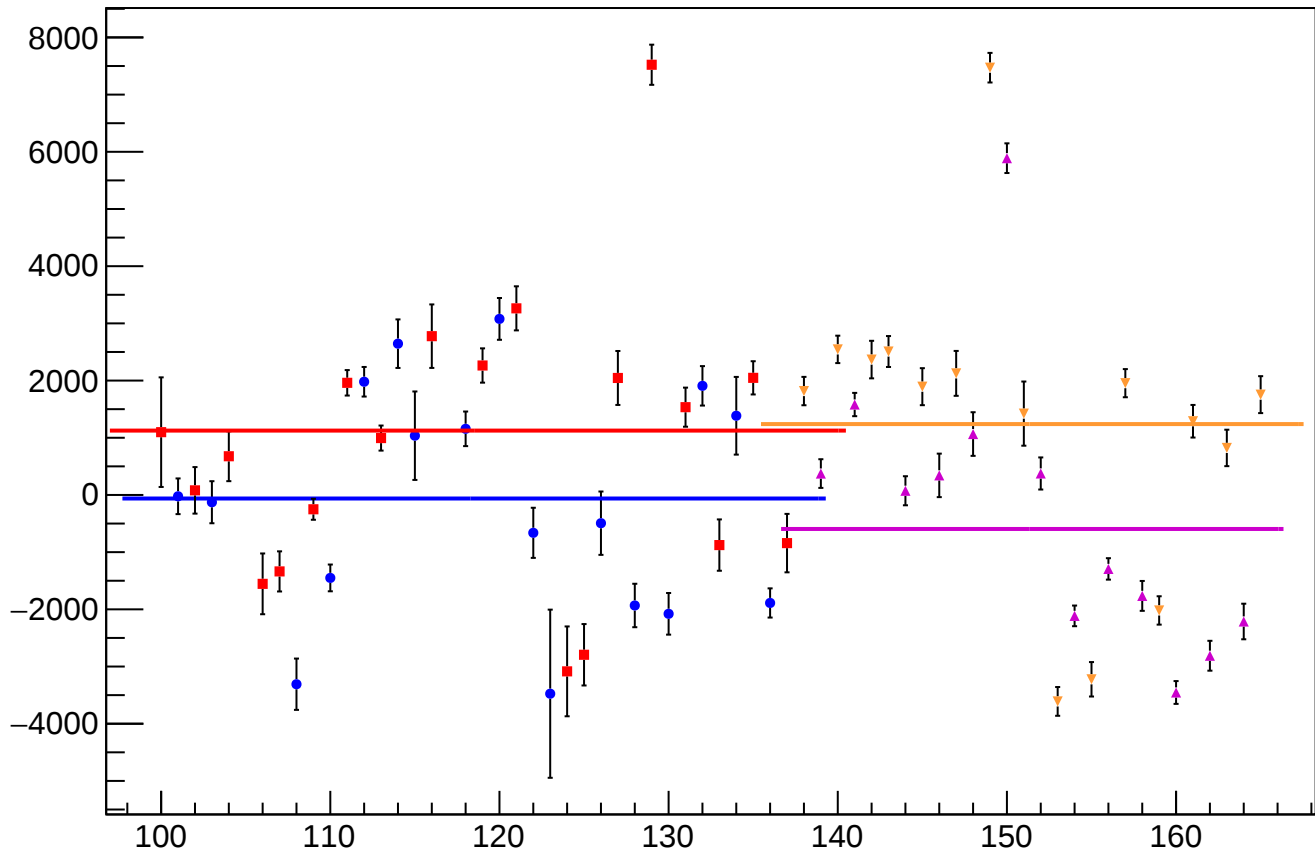
Left In: 362.862+/-0.081 χ^2/NDF :269175.1/12

+ sign 1.538+/-0.001 χ^2/NDF : 32893053.7/31

All: 1.530+/-0.001 χ^2/NDF : 63804976.0/63

- 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: 1239.278 ± 74.099 $\chi^2/\text{NDF}: 1435.0/14$

Right Out: 1125.437 ± 78.370 $\chi^2/\text{NDF}: 671.2/18$

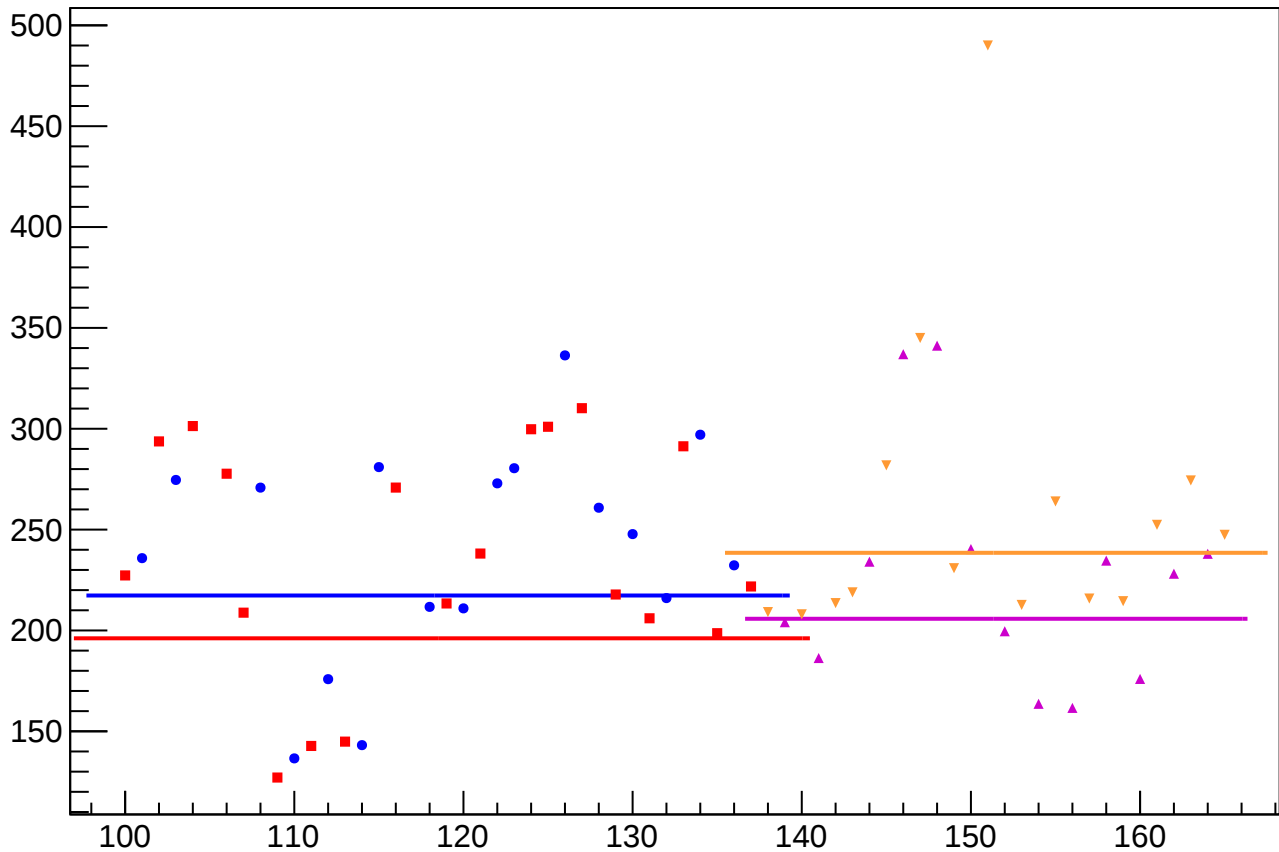
Left In: -594.693 ± 67.303 $\chi^2/\text{NDF}: 1206.7/12$

+ sign 695.189 ± 56.526 $\chi^2/\text{NDF}: 1997.9/31$

All: 386.946 ± 37.890 $\chi^2/\text{NDF}: 4207.1/63$

- sign 135.449 ± 51.059 $\chi^2/\text{NDF}: 2155.2/31$

asym_bcm0l02_rms vs Slug



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 238.499 $\pm$ 0.052 χ^2 /NDF: 772192.0/14

Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

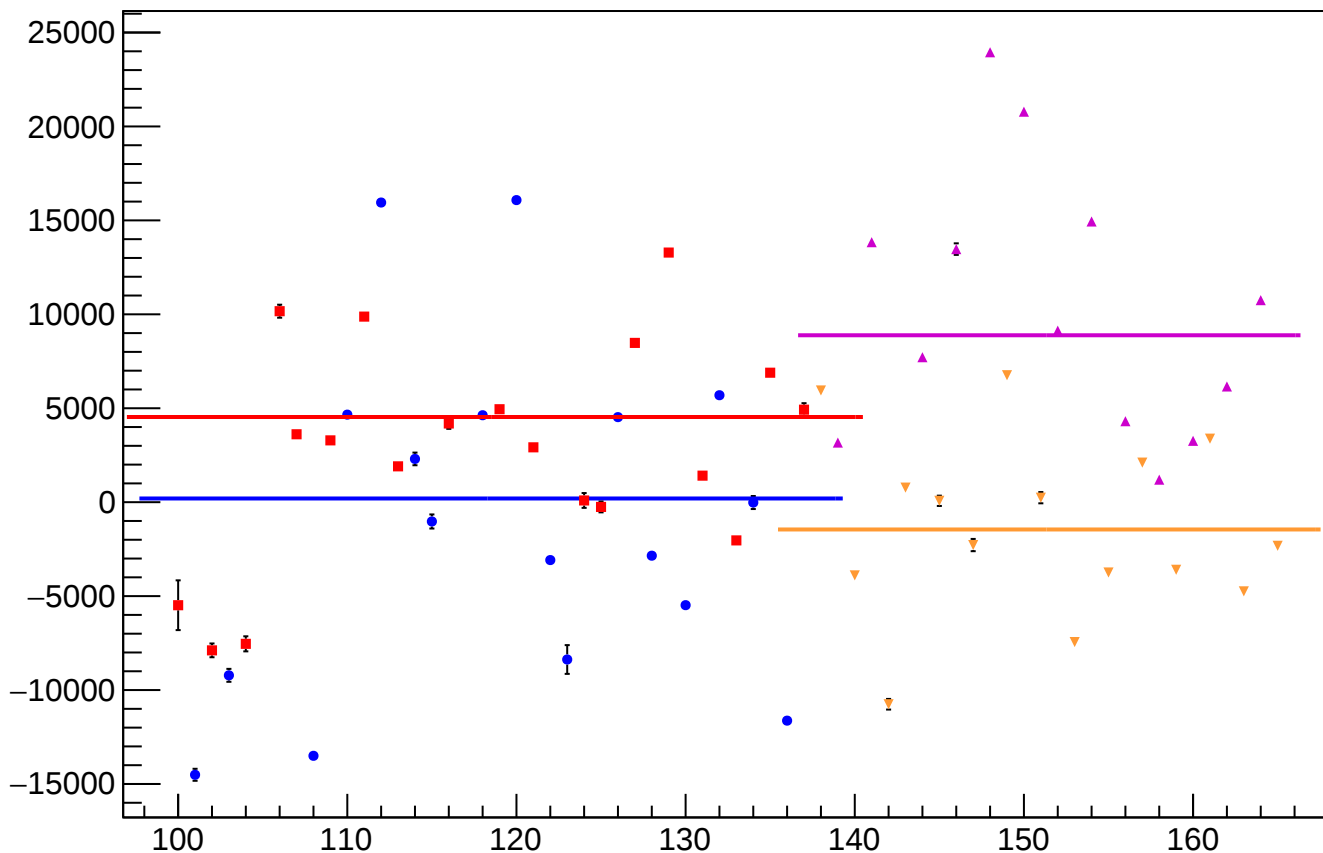
Left In: 205.791 $\pm$ 0.048 χ^2 /NDF: 894893.6/12

+ sign 229.649 $\pm$ 0.040 χ^2 /NDF: 1493158.5/31

All: 214.247 $\pm$ 0.027 χ^2 /NDF: 3866019.0/63

- sign 201.680 $\pm$ 0.036 χ^2 /NDF: 2103209.0/31

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2 /NDF: 30658.3/16

Left Out: -1452.743 $\pm$ 52.087 χ^2 /NDF: 7587.7/14

Right Out: 4534.200 $\pm$ 52.462 χ^2 /NDF: 7477.2/18

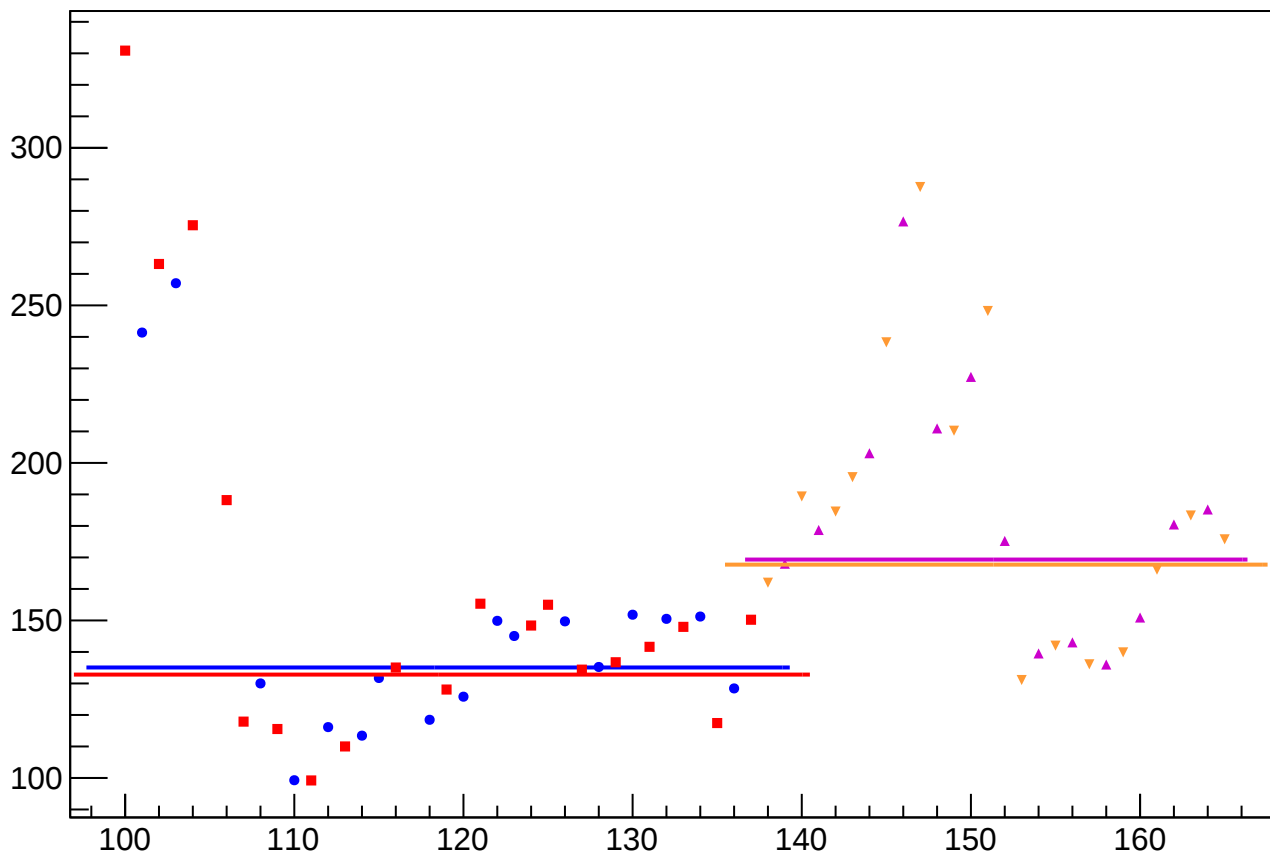
Left In: 8884.817 $\pm$ 54.906 χ^2 /NDF: 14070.4/12

+ sign -669.692 $\pm$ 37.753 χ^2 /NDF: 38722.1/31

All: 2953.325 $\pm$ 26.758 χ^2 /NDF: 82057.5/63

- 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: 167.717 ± 0.037 χ^2/NDF : 1003334.6/14

Right Out: 132.816 ± 0.037 χ^2/NDF : 831191.5/18

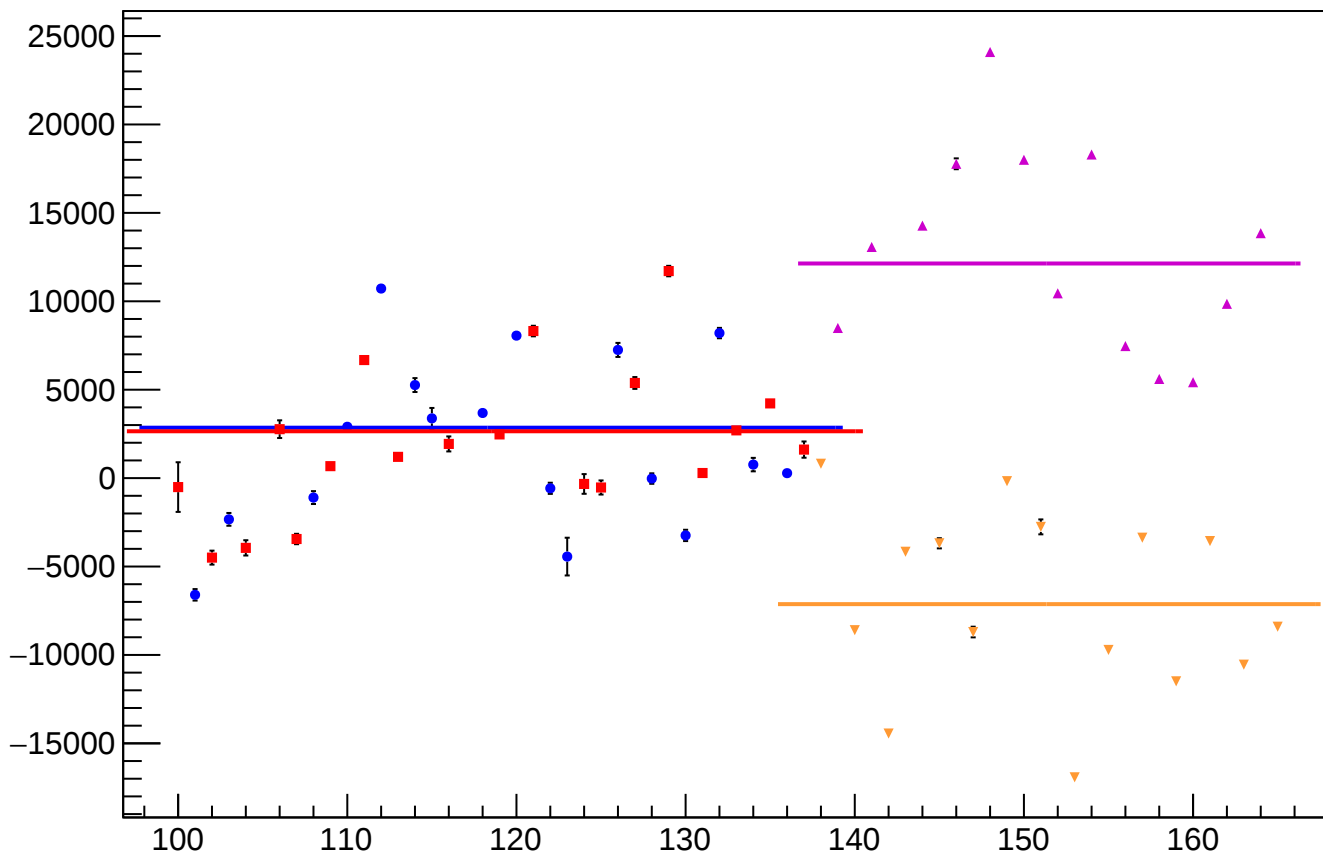
Left In: 169.328 ± 0.039 χ^2/NDF : 729200.0/12

+ sign 152.222 ± 0.027 χ^2/NDF : 2034925.8/31

All: 151.236 ± 0.019 χ^2/NDF : 4060391.0/63

- 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: -7126.828+/-59.567 χ^2/NDF : 7685.3/14

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

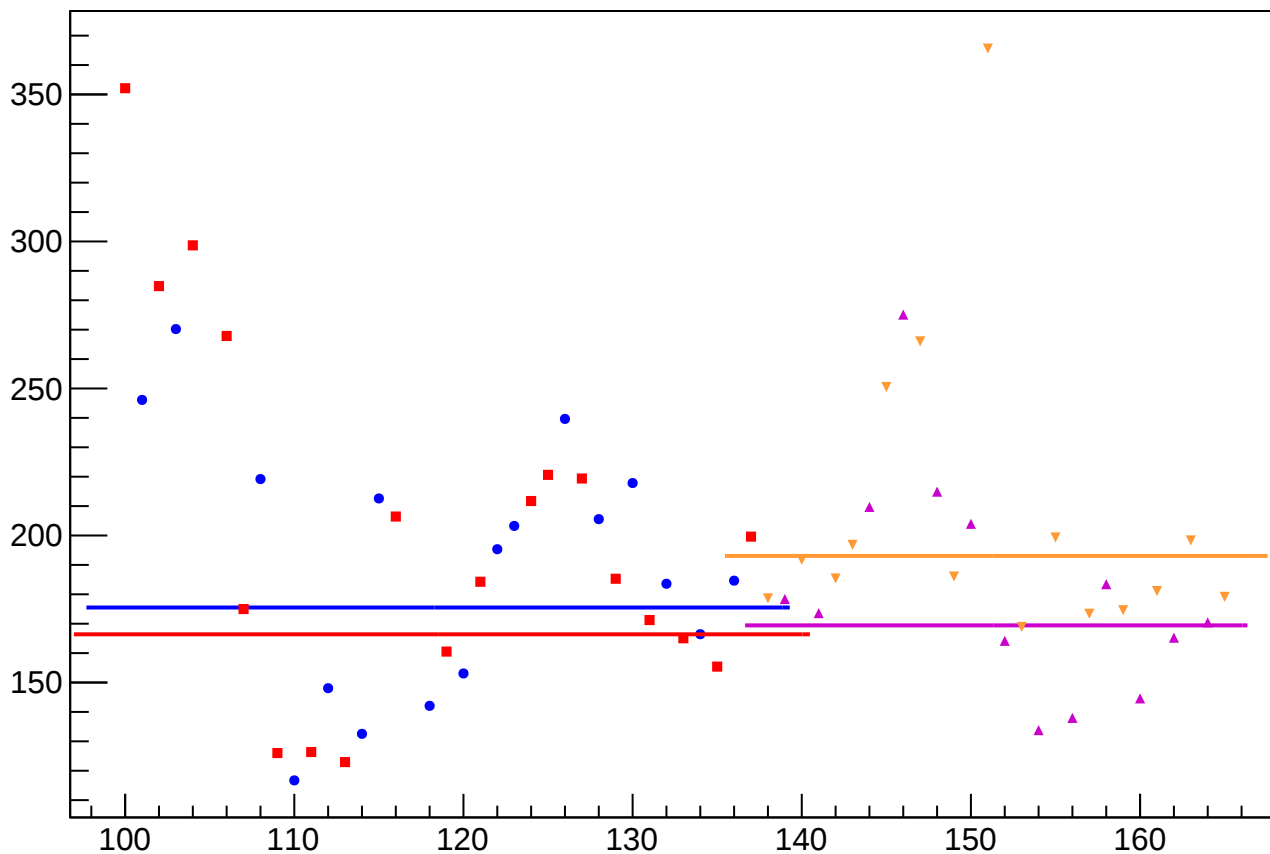
Left In: 12137.628+/-55.000 χ^2/NDF : 9418.8/12

+ sign -2987.929+/-45.568 χ^2/NDF : 23502.7/31

All: 3053.444+/-30.955 χ^2/NDF : 80992.3/63

- 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: 193.061+/-0.042 χ^2/NDF : 627889.0/14

Right Out: 166.393+/-0.046 χ^2/NDF : 929534.5/18

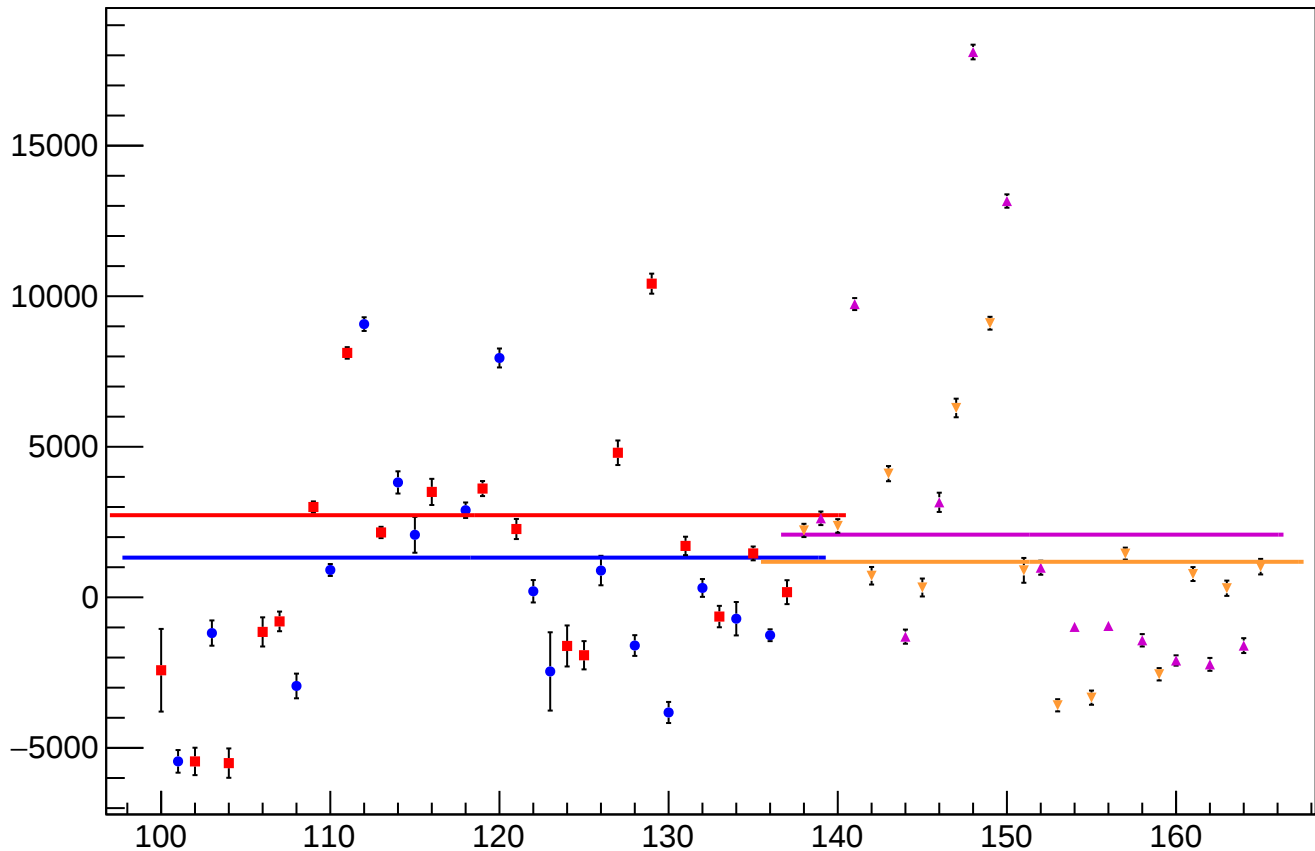
Left In: 169.441+/-0.039 χ^2/NDF : 675401.2/12

+ sign 185.783+/-0.032 χ^2/NDF : 1389512.7/31

All: 176.306+/-0.022 χ^2/NDF : 3157599.3/63

- 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: 1180.156+/-62.306 χ^2/NDF : 3117.0/14

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

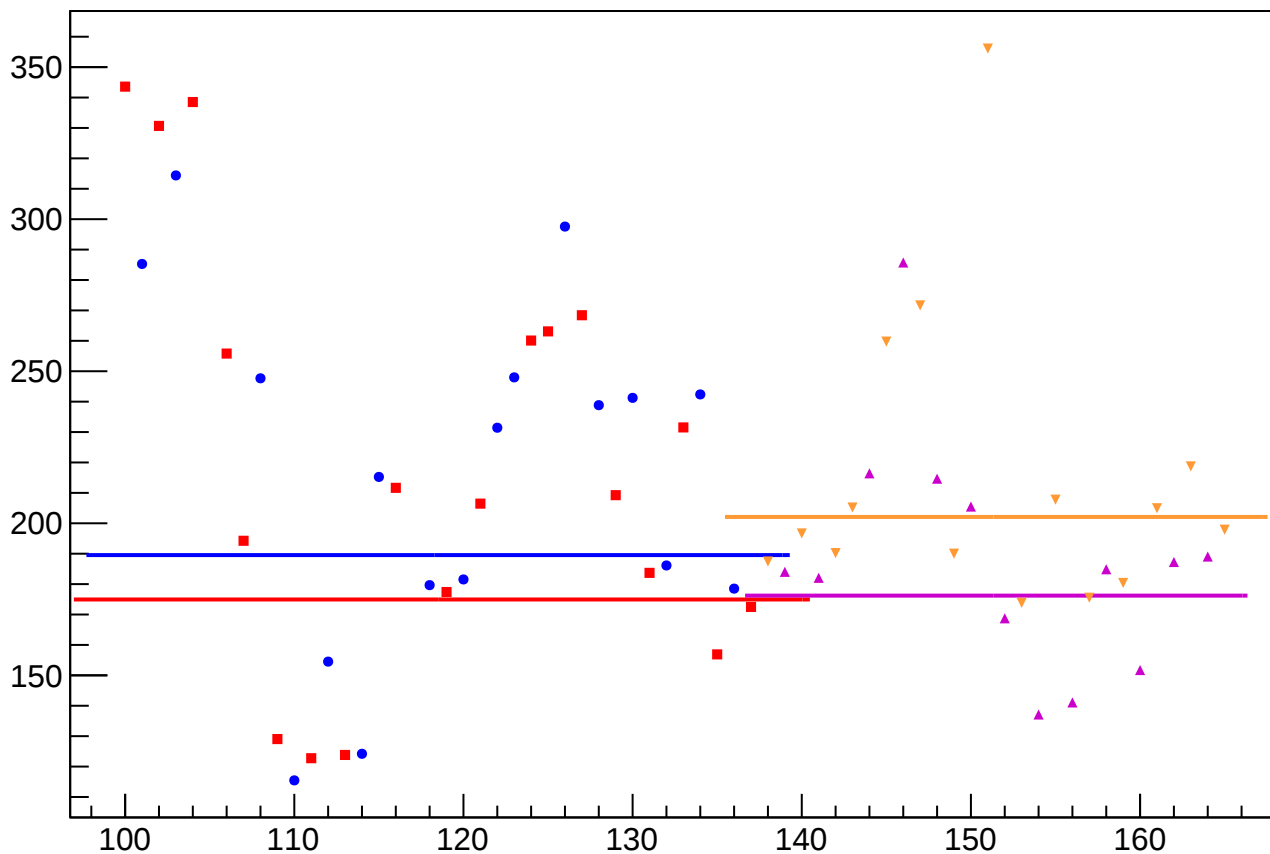
Left In: 2081.815+/-57.223 χ^2/NDF : 10803.5/12

+ sign 1234.971+/-48.471 χ^2/NDF : 5786.0/31

All: 1837.182+/-32.705 χ^2/NDF : 19419.8/63

- 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: 202.087 $\pm$ 0.044 χ^2 /NDF: 582893.7/14

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

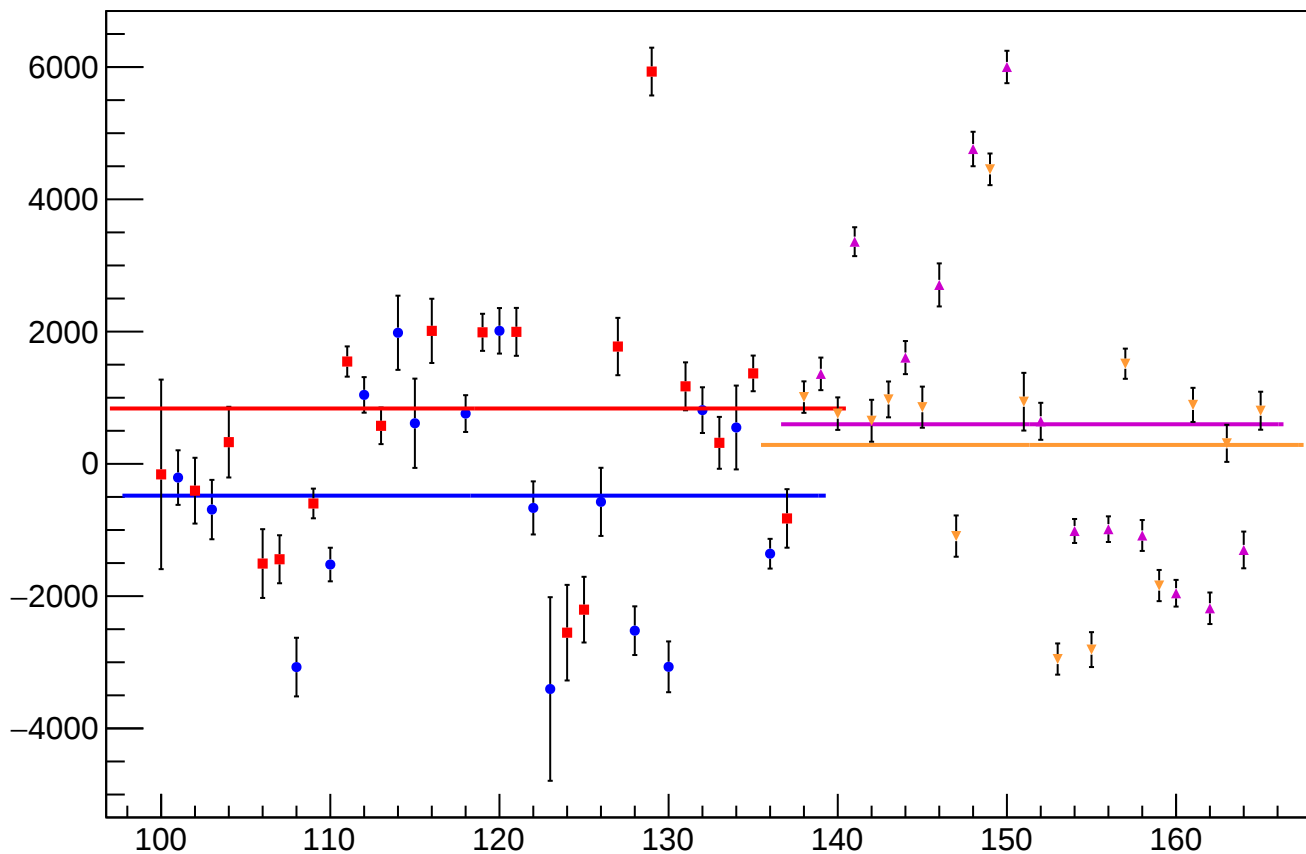
Left In: 176.214 $\pm$ 0.040 χ^2 /NDF: 665805.7/12

+ sign 197.135 $\pm$ 0.034 χ^2 /NDF: 1595632.8/31

All: 185.461 $\pm$ 0.023 χ^2 /NDF: 3771905.0/63

- 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: 286.389 ± 68.935 χ^2/NDF : 793.8/14

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

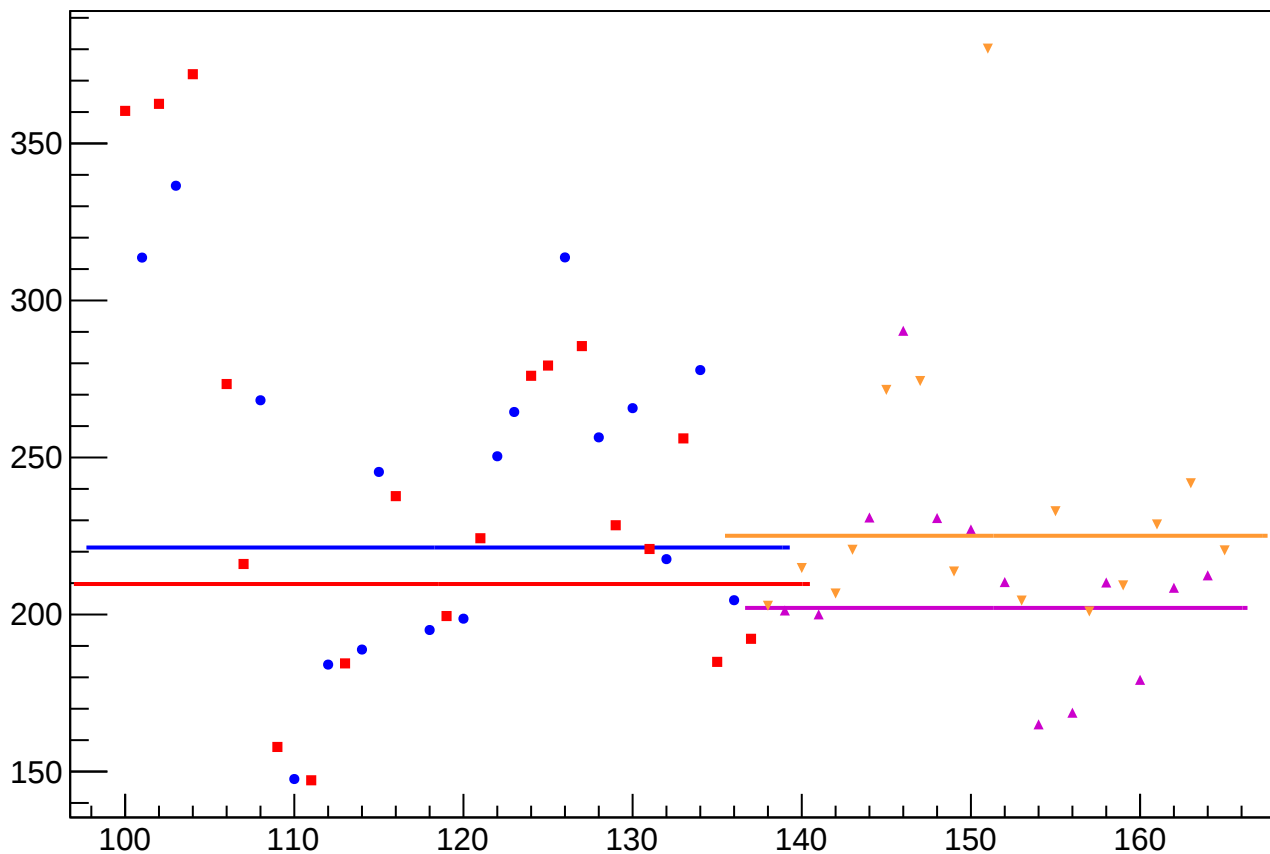
Left In: 598.803 ± 64.899 χ^2/NDF : 1510.1/12

+ sign -2.661 ± 54.416 χ^2/NDF : 1131.2/31

All: 366.654 ± 37.191 χ^2/NDF : 3168.2/63

- 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: 225.080 $\pm$ 0.049 χ^2 /NDF: 436424.1/14

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

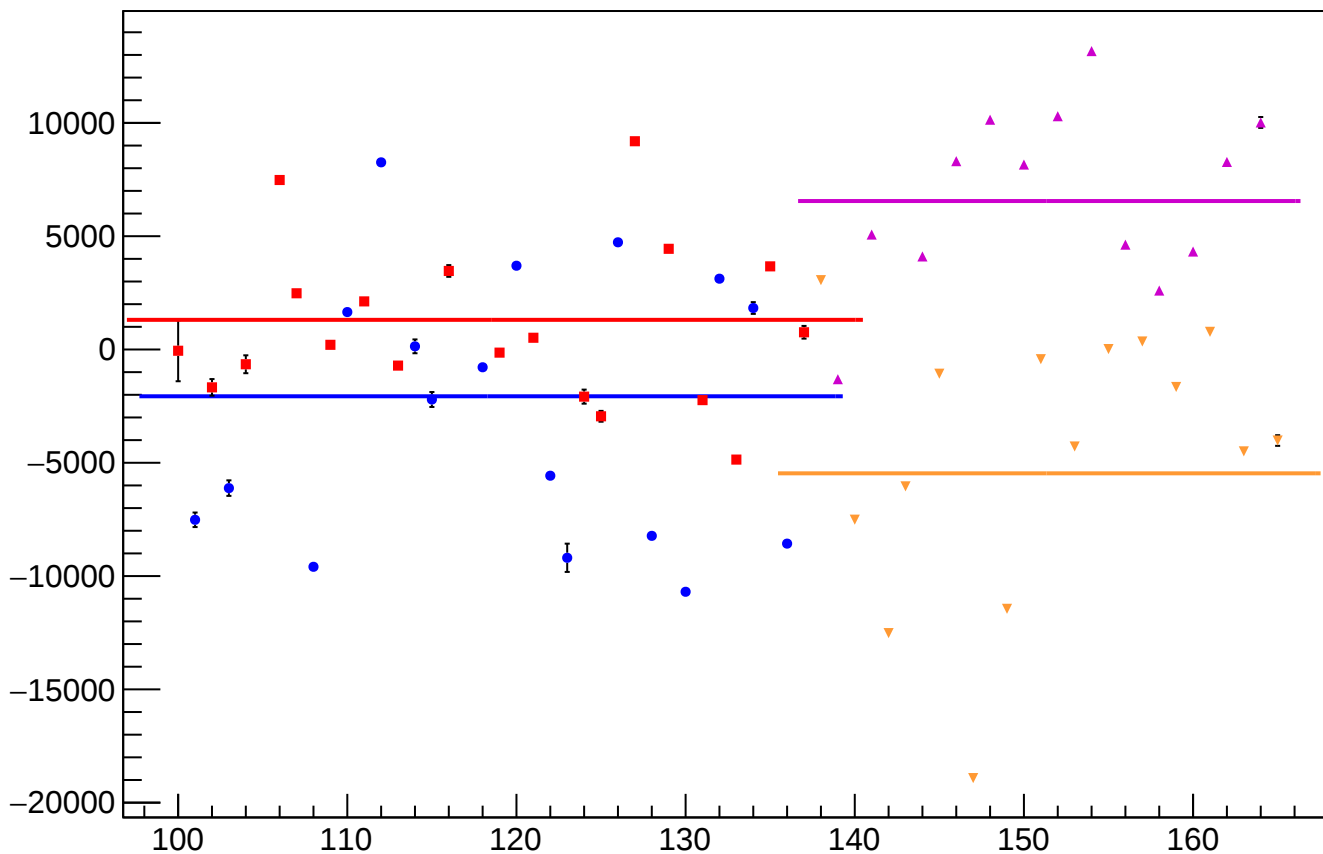
Left In: 202.105 $\pm$ 0.046 χ^2 /NDF: 395549.0/12

+ sign 223.671 $\pm$ 0.038 χ^2 /NDF: 1084328.3/31

All: 213.735 $\pm$ 0.026 χ^2 /NDF: 2499485.1/63

- 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: -5465.639 ± 37.971 χ^2/NDF : 28201.0/14

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

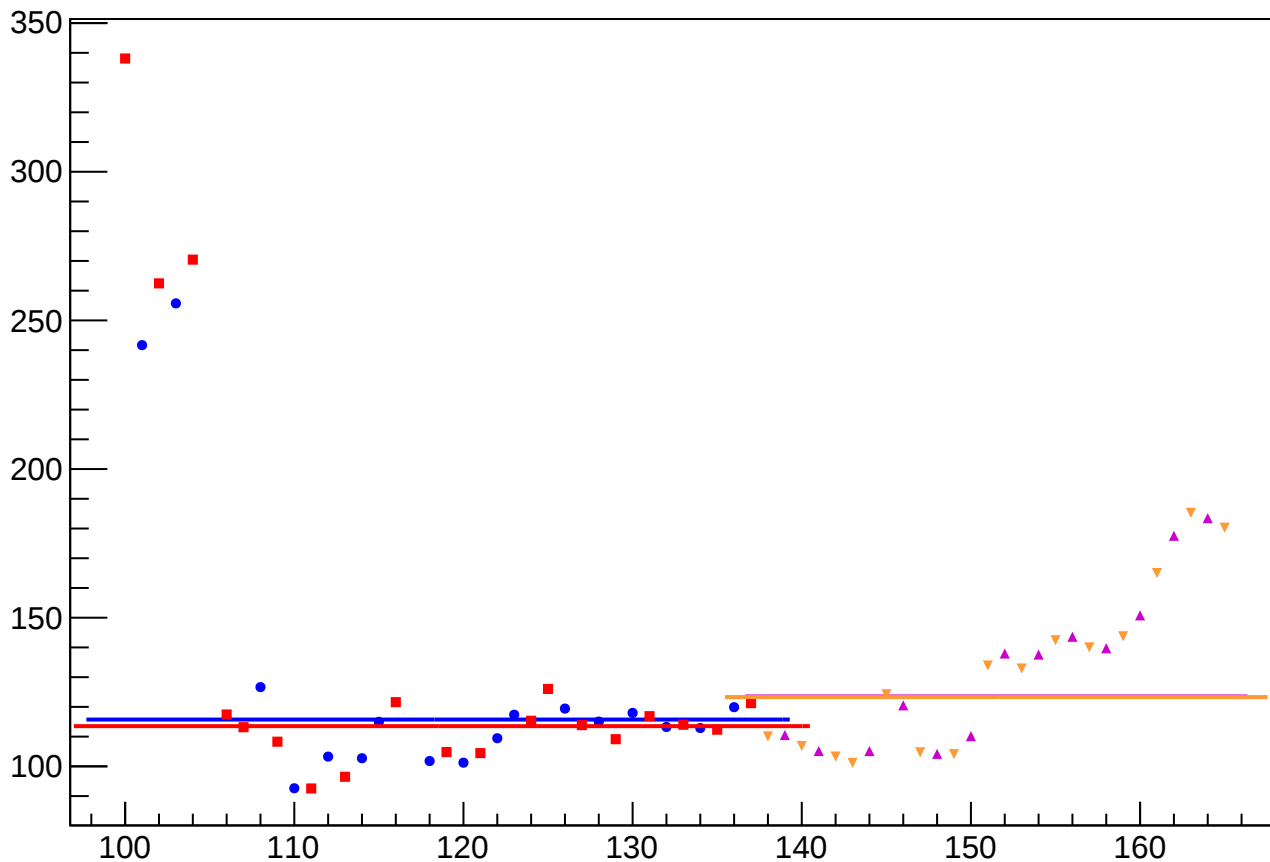
Left In: 6551.895 ± 39.417 χ^2/NDF : 8962.2/12

+ sign -4133.794 ± 29.616 χ^2/NDF : 47875.5/31

All: 65.821 ± 20.954 χ^2/NDF : 110679.2/63

- 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: 123.295+/-0.027 χ^2/NDF : 738157.9/14

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

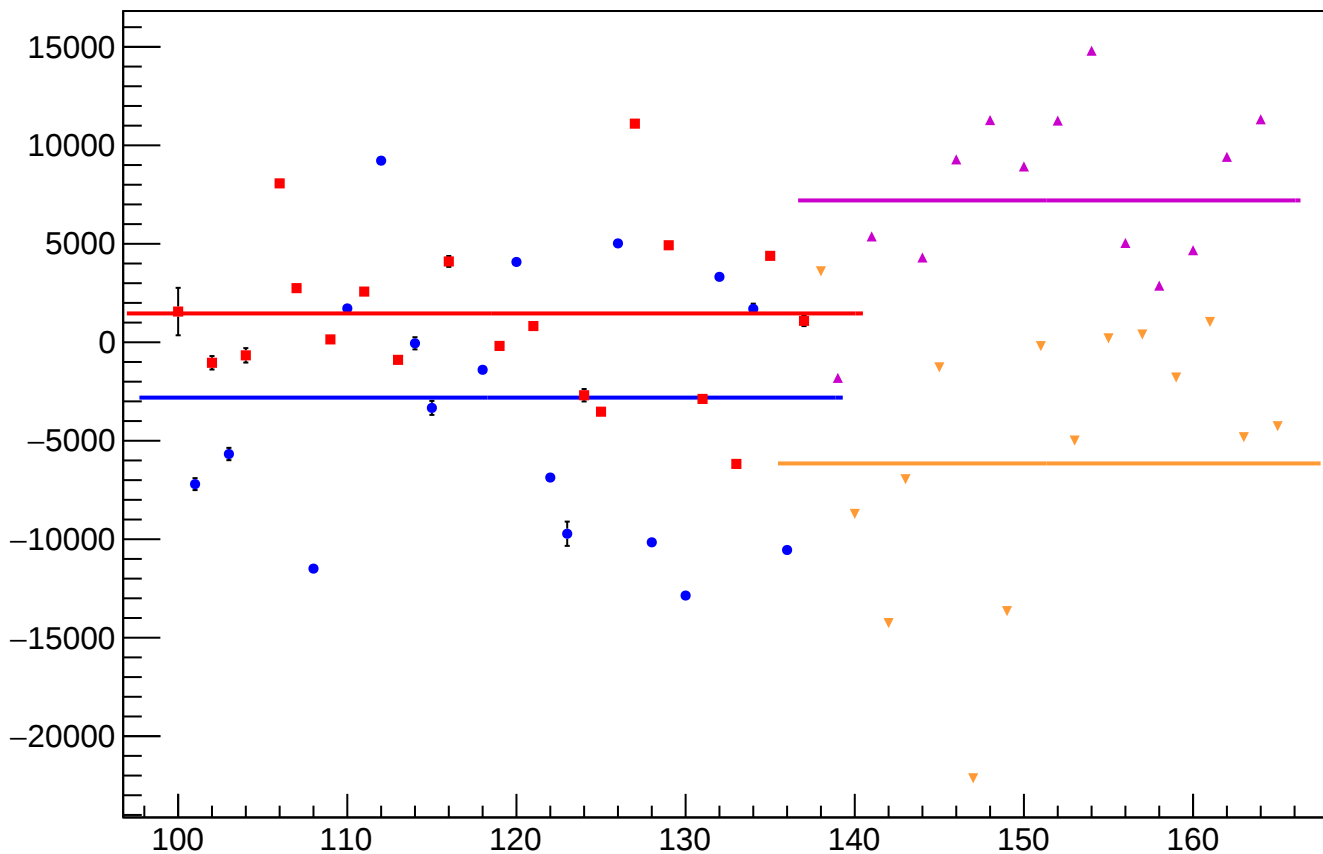
Left In: 123.514+/-0.028 χ^2/NDF : 604912.3/12

+ sign 120.336+/-0.021 χ^2/NDF : 1513181.7/31

All: 119.756+/-0.015 χ^2/NDF : 2972094.3/63

- sign 119.175+/-0.021 χ^2/NDF : 1457375.8/31

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101+/-48.284 χ^2/NDF : 21263.1/16

Left Out: -6151.261+/-40.306 χ^2/NDF : 34064.2/14

Right Out: 1465.074+/-46.394 χ^2/NDF : 8004.7/18

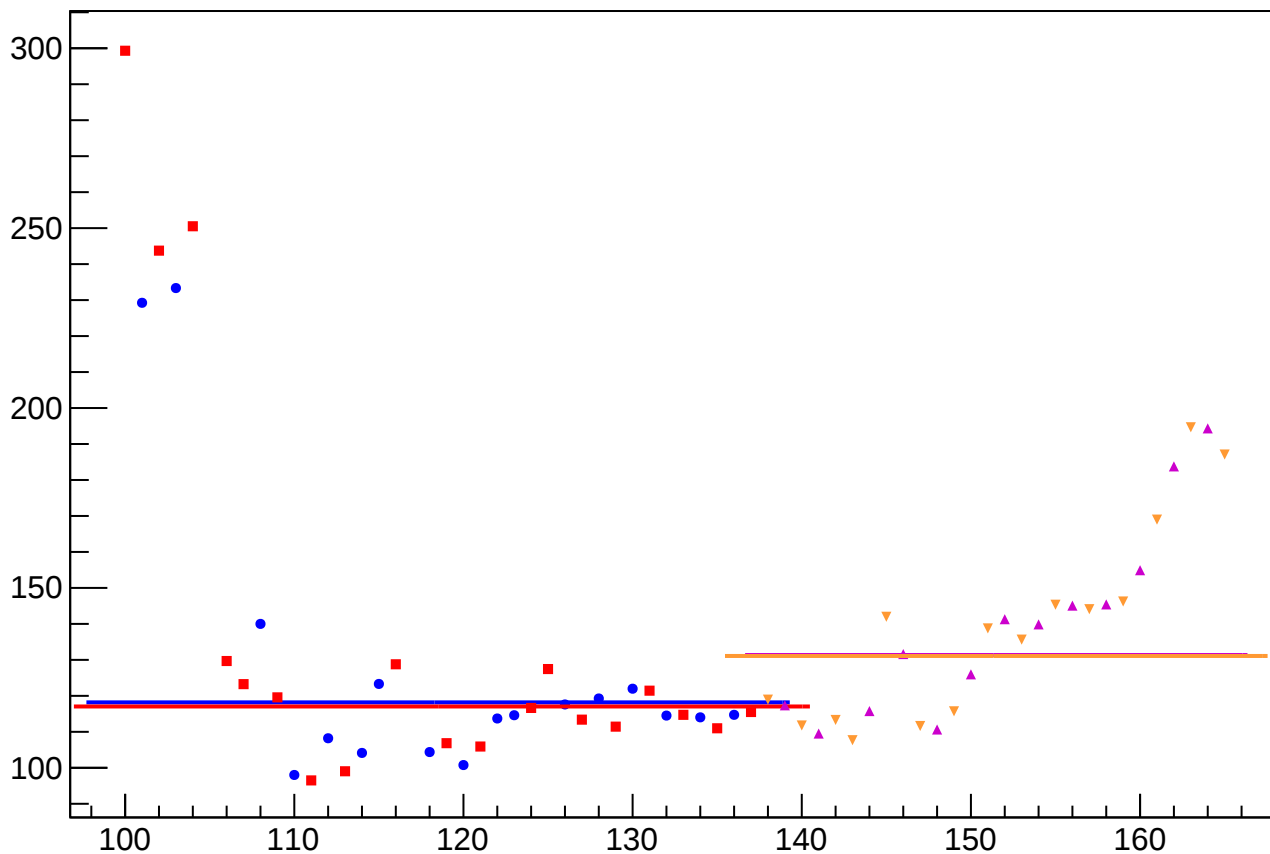
Left In: 7203.307+/-41.858 χ^2/NDF : 10584.9/12

+ sign -4778.753+/-30.942 χ^2/NDF : 58150.9/31

All: -95.895+/-21.928 χ^2/NDF : 131184.9/63

- sign 4628.347+/-31.079 χ^2/NDF : 27022.7/31

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 131.086+/-0.029 χ^2/NDF : 618440.9/14

Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

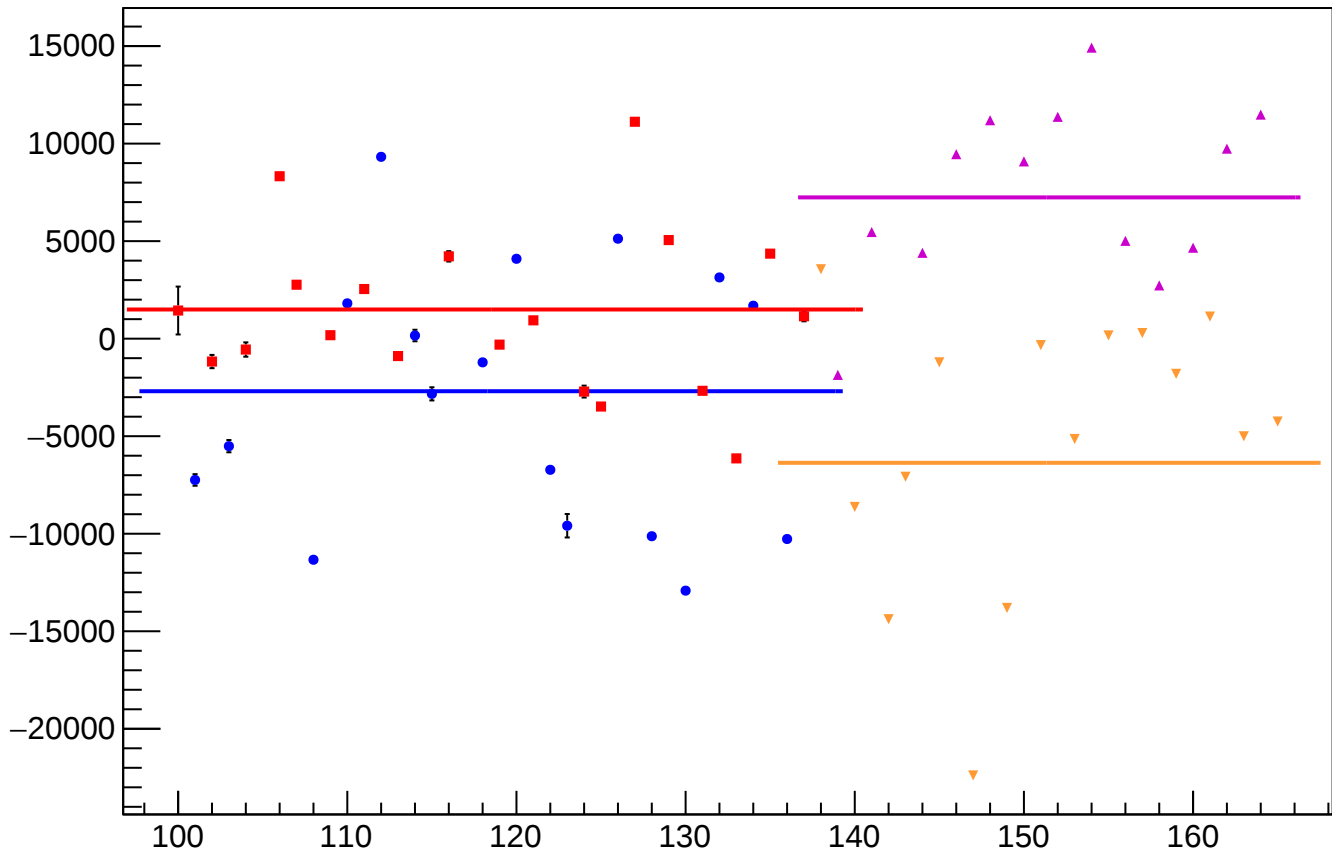
Left In: 131.356+/-0.030 χ^2/NDF : 498670.7/12

+ sign 125.789+/-0.022 χ^2/NDF : 1338793.2/31

All: 125.364+/-0.016 χ^2/NDF : 2633752.6/63

- 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: -6364.445 ± 39.334 χ^2/NDF : 37242.8/14

Right Out: 1495.744 ± 44.445 χ^2/NDF : 8717.2/18

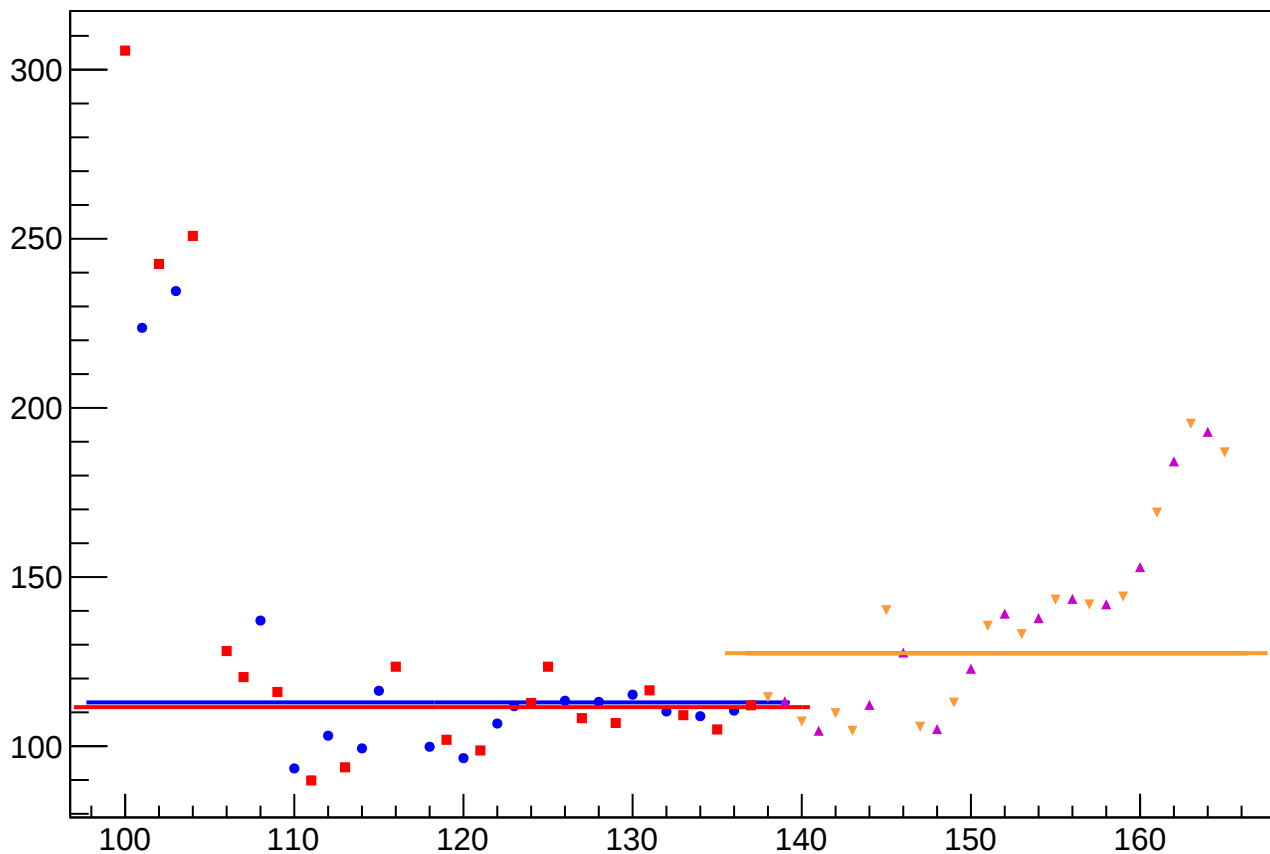
Left In: 7242.097 ± 40.754 χ^2/NDF : 11412.1/12

+ sign -4827.757 ± 29.990 χ^2/NDF : 63748.4/31

All: -112.745 ± 21.223 χ^2/NDF : 142474.8/63

- sign 4617.369 ± 30.038 χ^2/NDF : 29210.2/31

asym_bpm2i02WS_rms vs Slug



Right In: 112.940+/-0.033 χ^2/NDF : 680283.1/16

Left Out: 127.511+/-0.028 χ^2/NDF : 715516.1/14

Right Out: 111.544+/-0.031 χ^2/NDF : 765502.6/18

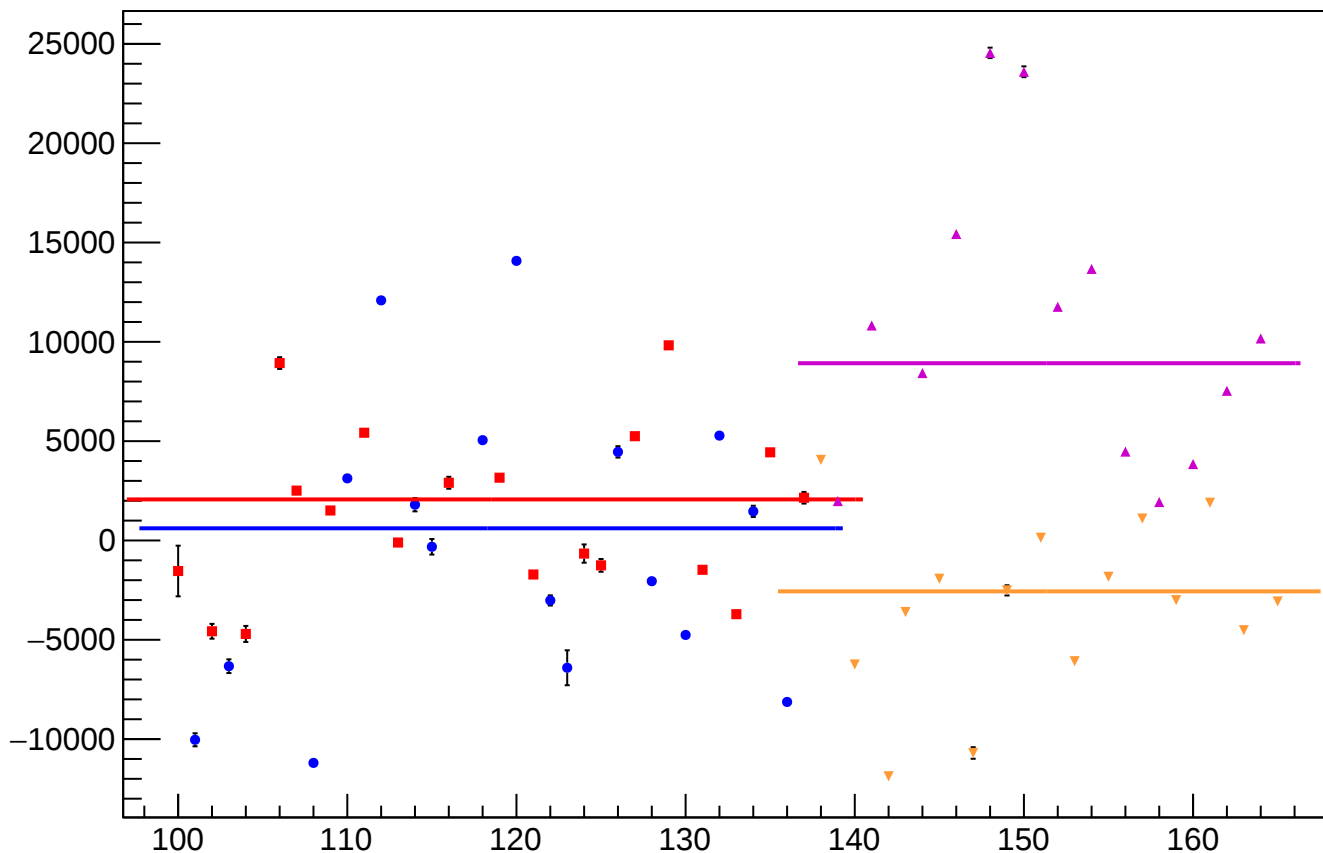
Left In: 127.472+/-0.029 χ^2/NDF : 583174.4/12

+ sign 121.410+/-0.021 χ^2/NDF : 1510702.4/31

All: 120.804+/-0.015 χ^2/NDF : 3000564.3/63

- sign 120.196+/-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: -2562.476 ± 47.505 $\chi^2/\text{NDF}: 6741.5/14$

Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

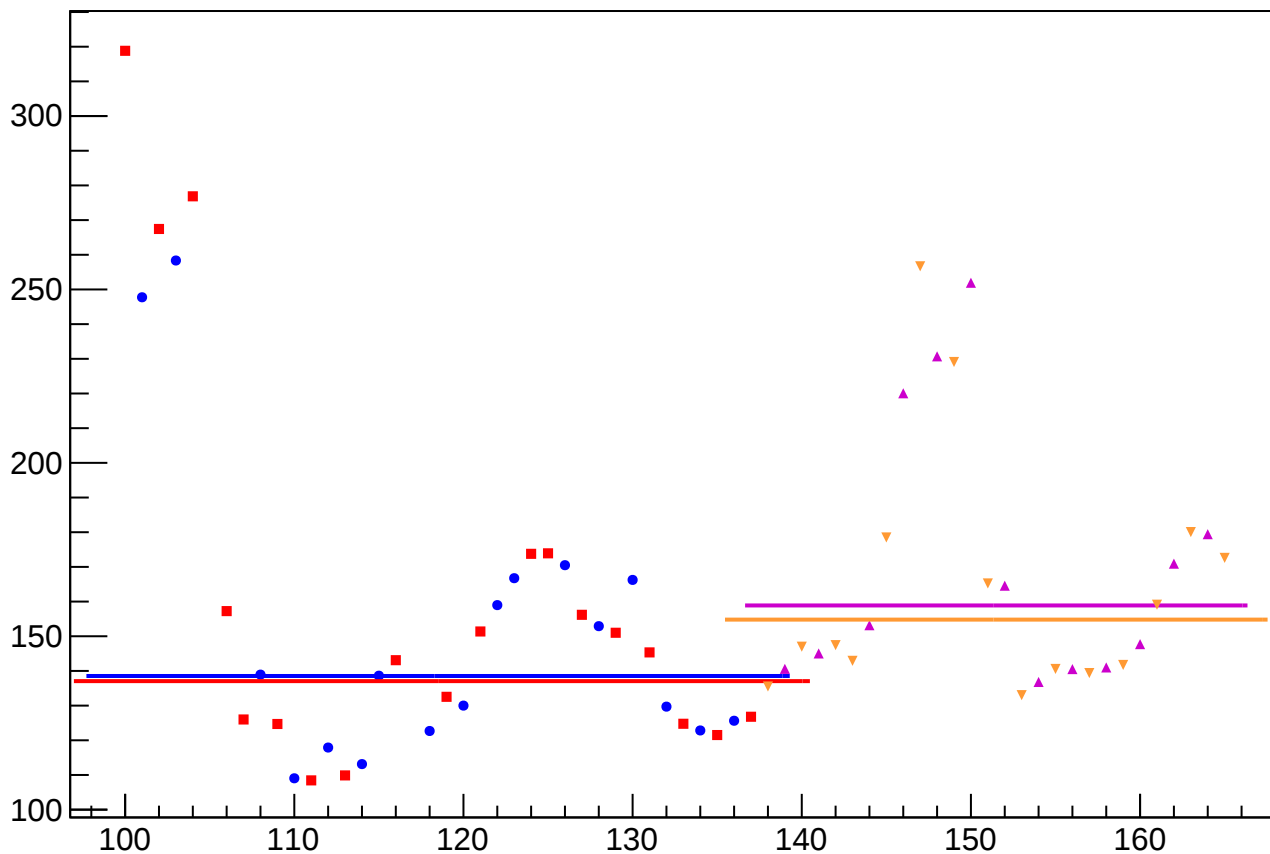
Left In: 8923.326 ± 50.862 $\chi^2/\text{NDF}: 13933.2/12$

+ sign -1235.460 ± 36.243 $\chi^2/\text{NDF}: 26851.9/31$

All: 2158.417 ± 25.892 $\chi^2/\text{NDF}: 71889.7/63$

- sign 5695.951 ± 37.002 $\chi^2/\text{NDF}: 27129.0/31$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 154.800 $\pm$ 0.034 χ^2 /NDF: 624681.0/14

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

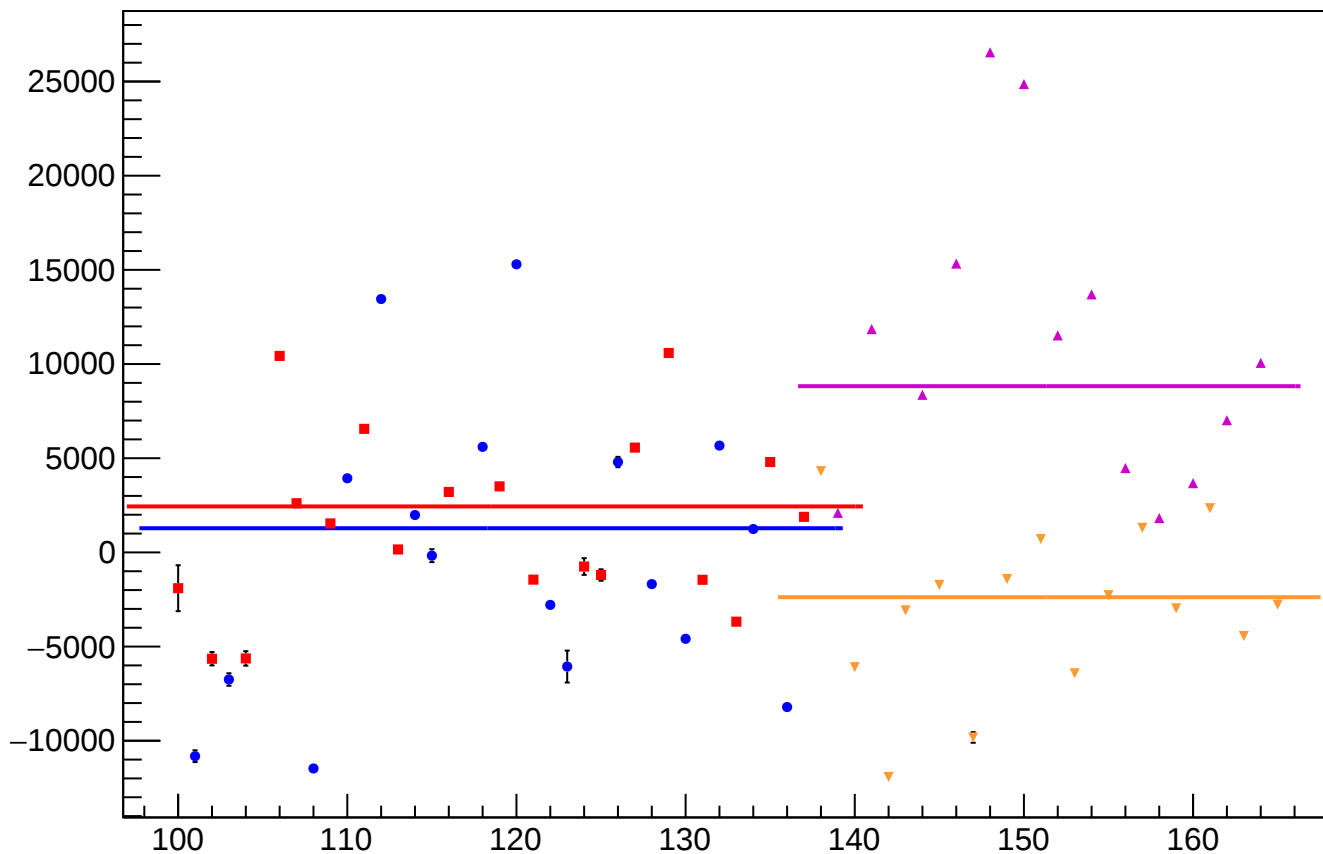
Left In: 158.882 $\pm$ 0.036 χ^2 /NDF: 679978.4/12

+ sign 148.005 $\pm$ 0.026 χ^2 /NDF: 1391523.5/31

All: 148.301 $\pm$ 0.018 χ^2 /NDF: 3000562.5/63

- sign 148.610 $\pm$ 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: -2377.868+/-42.252 χ^2/NDF : 9049.2/14

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

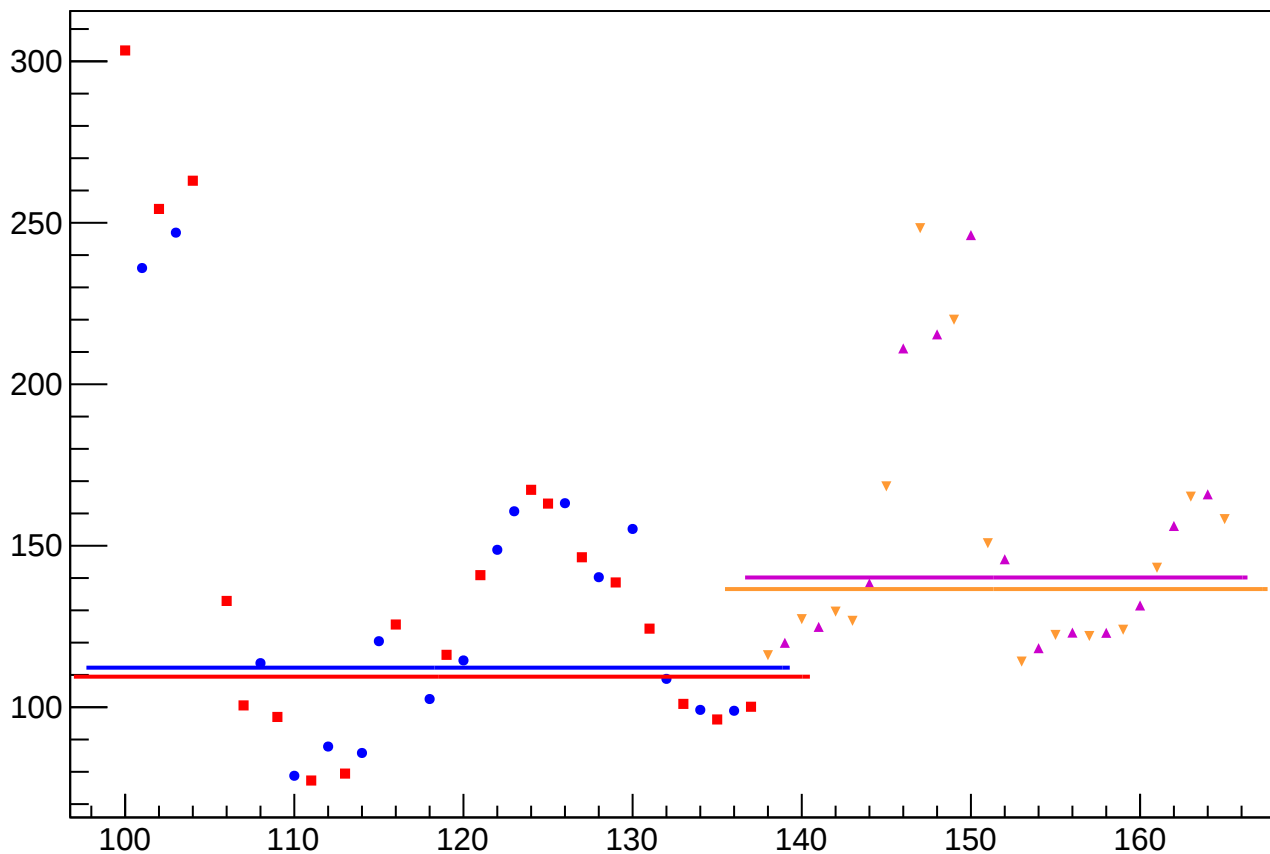
Left In: 8823.860+/-45.324 χ^2/NDF : 18670.6/12

+ sign -725.068+/-31.293 χ^2/NDF : 42979.3/31

All: 2378.376+/-22.261 χ^2/NDF : 99388.6/63

- 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: 136.588+/-0.030 χ^2/NDF : 864492.4/14

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

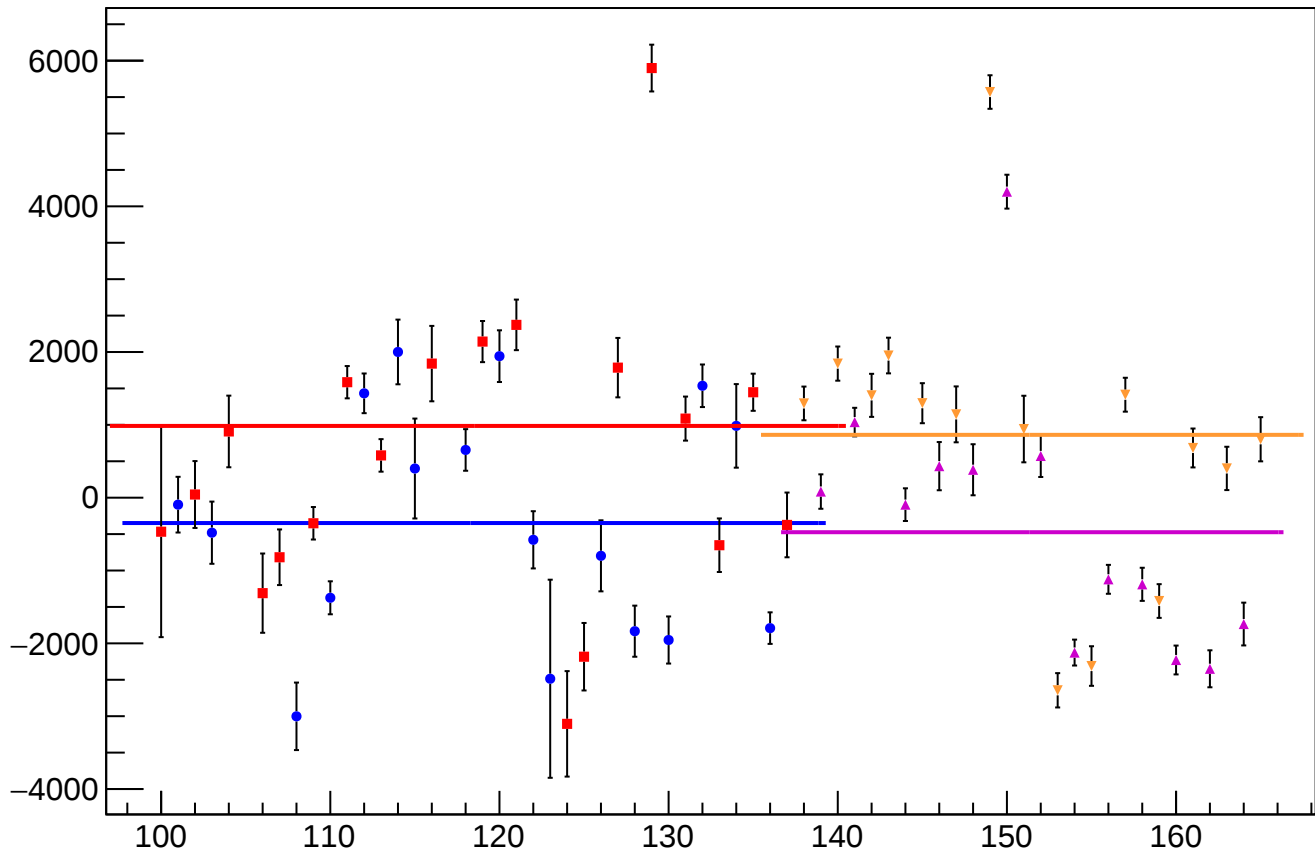
Left In: 140.172+/-0.032 χ^2/NDF : 920934.5/12

+ sign 125.600+/-0.022 χ^2/NDF : 2289601.3/31

All: 125.037+/-0.016 χ^2/NDF : 4951277.9/63

- 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: 862.786 ± 68.432 χ^2/NDF : 928.3/14

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

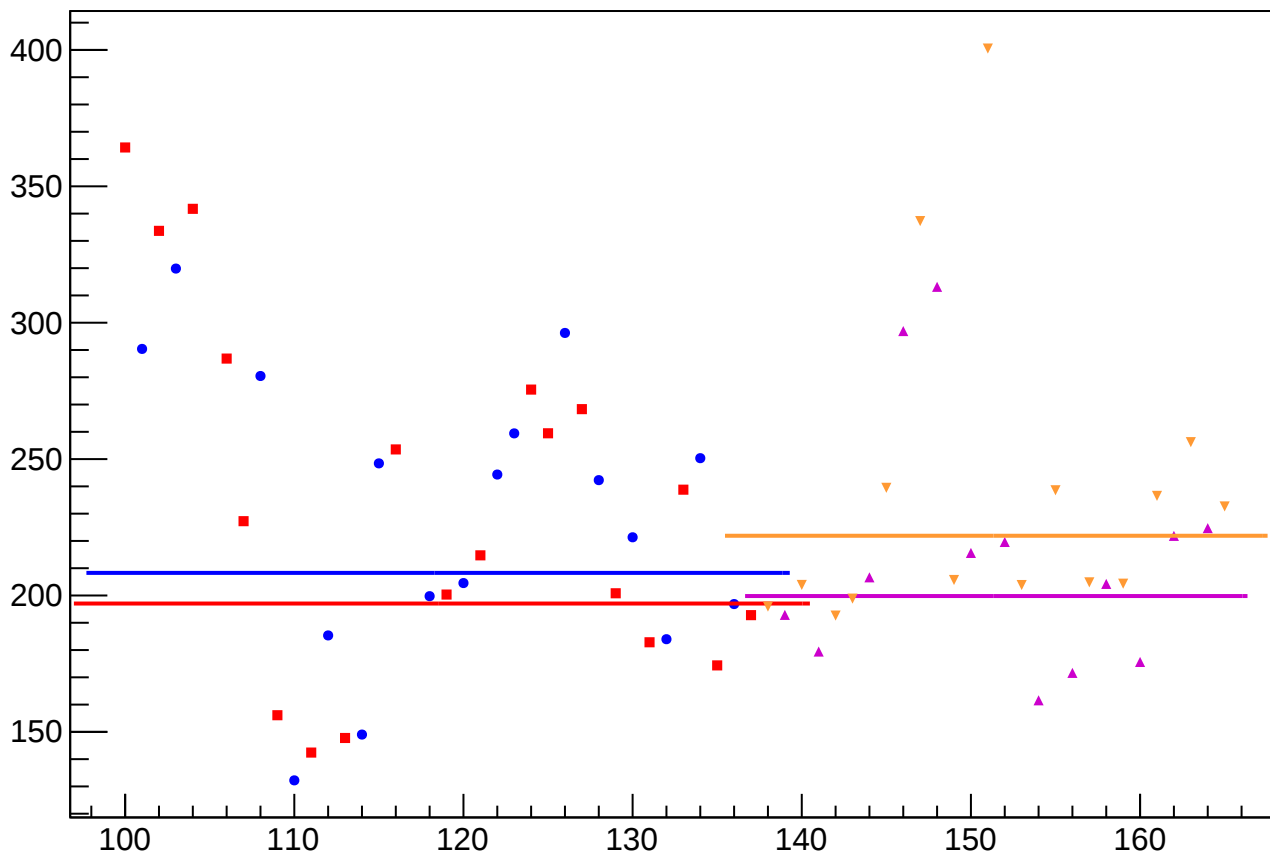
Left In: -473.994 ± 64.487 χ^2/NDF : 756.7/12

+ sign 378.547 ± 53.011 χ^2/NDF : 1370.8/31

All: 241.451 ± 36.226 χ^2/NDF : 2825.5/63

- sign 121.341 ± 49.619 χ^2/NDF : 1442.2/31

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 $\pm$ 0.059 χ^2 /NDF: 698491.0/16

Left Out: 221.900 $\pm$ 0.048 χ^2 /NDF: 655350.1/14

Right Out: 197.051 $\pm$ 0.055 χ^2 /NDF: 926786.6/18

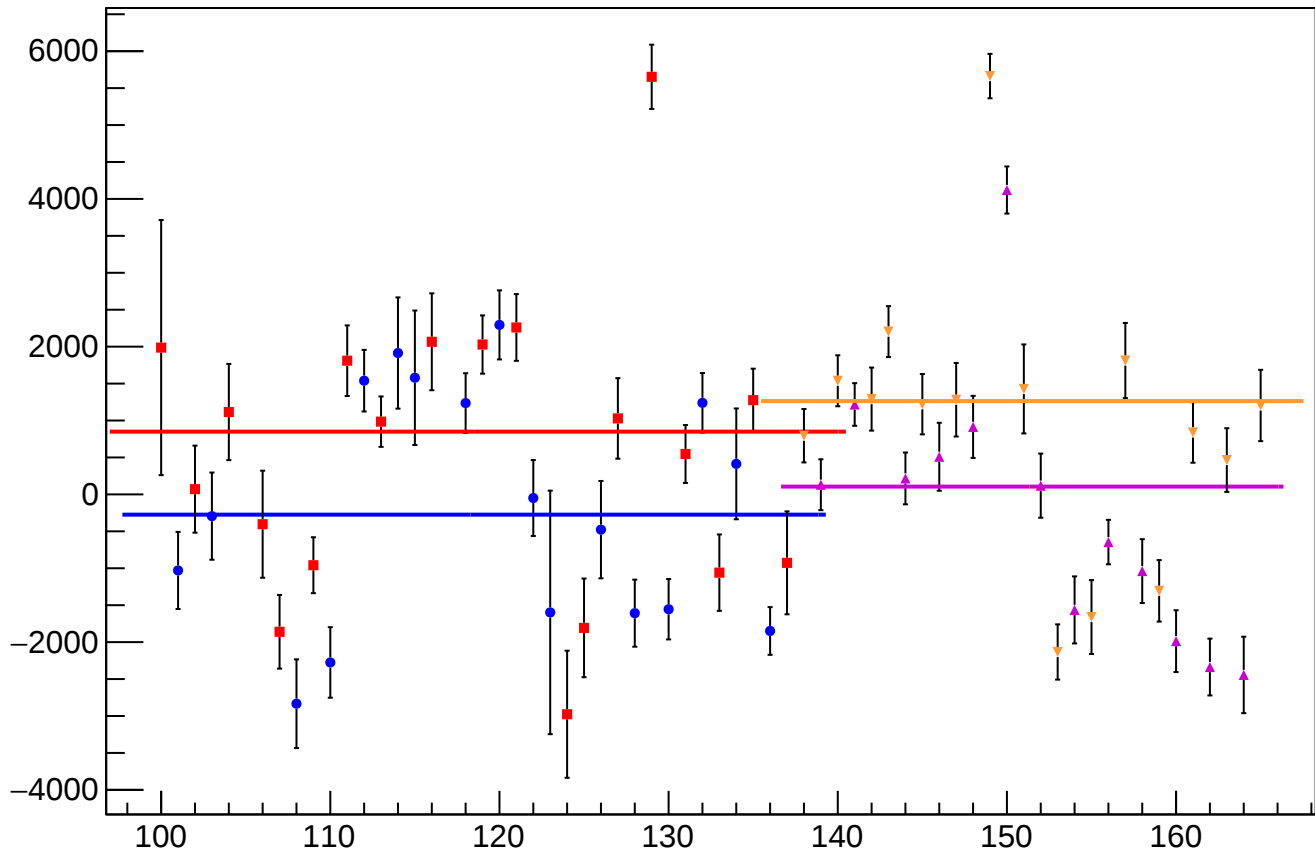
Left In: 199.799 $\pm$ 0.046 χ^2 /NDF: 617978.9/12

+ sign 216.456 $\pm$ 0.037 χ^2 /NDF: 1385489.7/31

All: 206.980 $\pm$ 0.026 χ^2 /NDF: 3051638.5/63

- sign 198.678 $\pm$ 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: 1263.554 ± 105.288 χ^2/NDF : 384.7/14

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

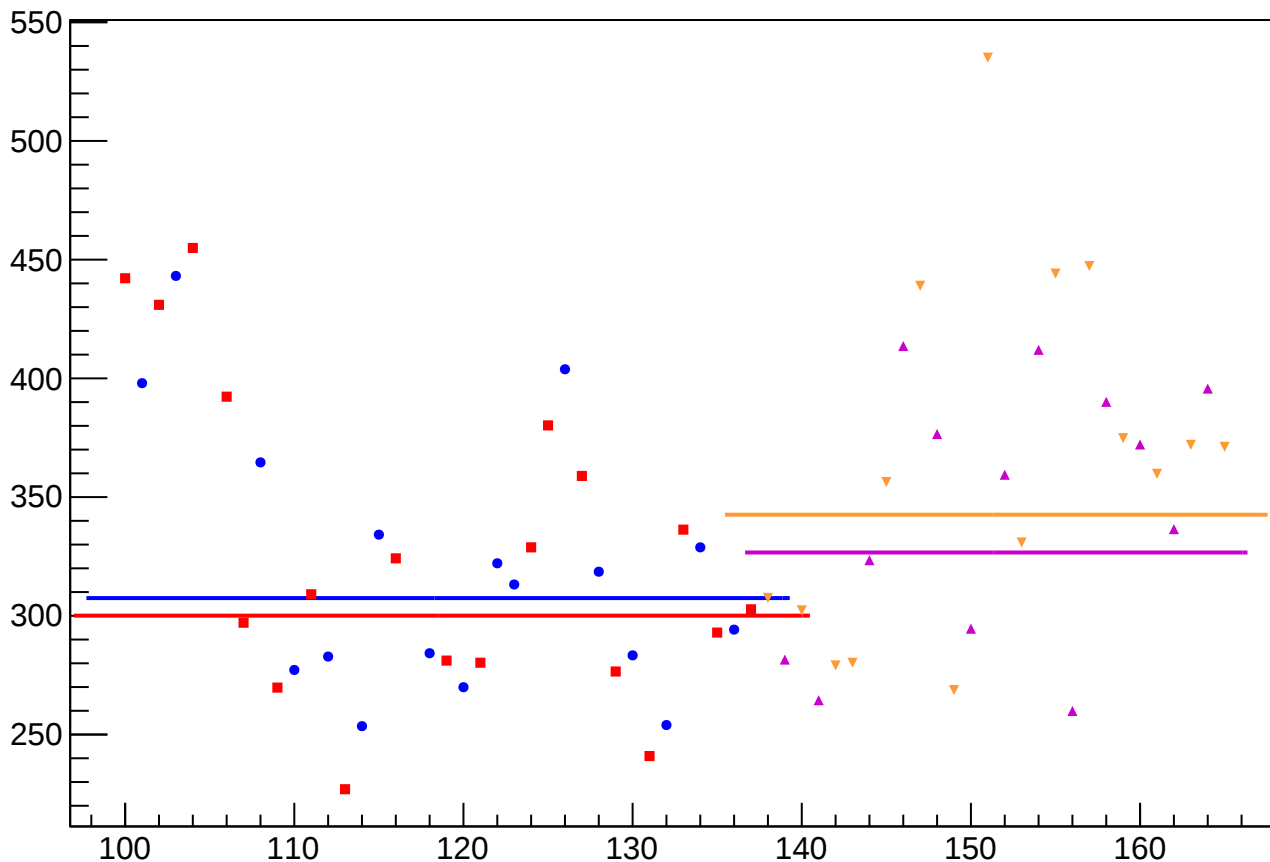
Left In: 105.696 ± 104.524 χ^2/NDF : 294.1/12

+ sign 602.937 ± 79.520 χ^2/NDF : 647.9/31

All: 519.853 ± 55.485 χ^2/NDF : 1230.2/63

- 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: 342.584 $\pm$ 0.074 χ^2 /NDF: 758858.5/14

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

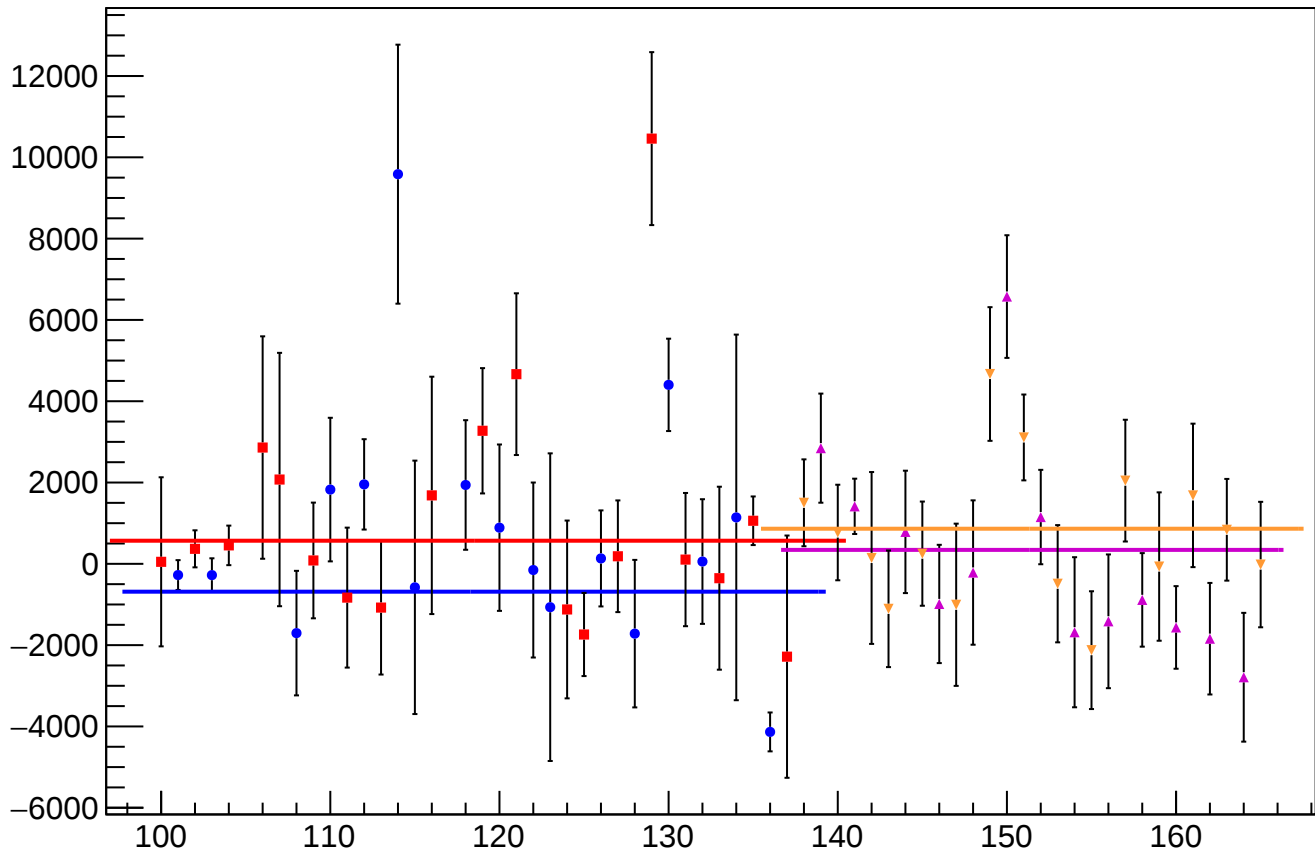
Left In: 326.669 $\pm$ 0.074 χ^2 /NDF: 531457.6/12

+ sign 327.499 $\pm$ 0.056 χ^2 /NDF: 1177525.0/31

All: 320.919 $\pm$ 0.039 χ^2 /NDF: 2284469.6/63

- 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: 863.829 ± 364.651 χ^2/NDF : 19.9/14

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

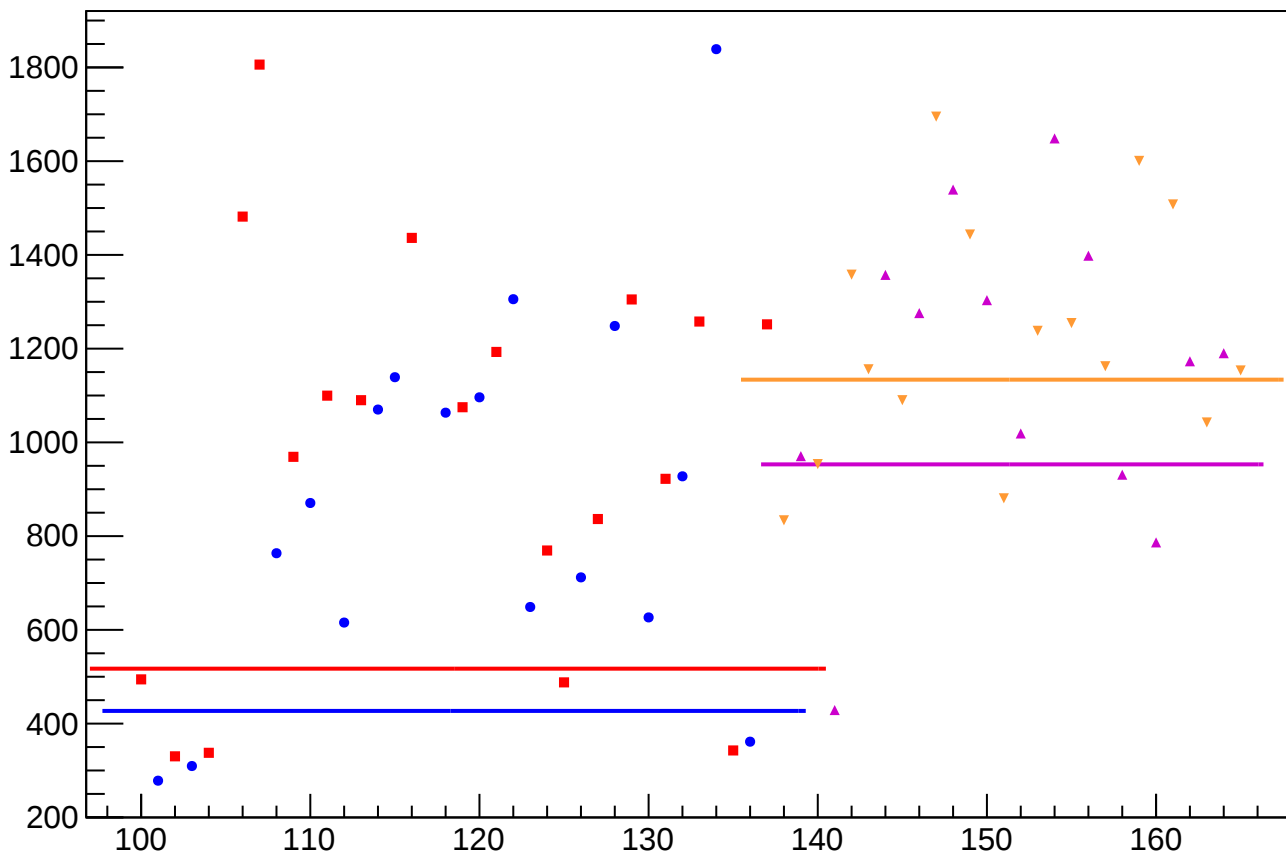
Left In: 343.017 ± 344.144 χ^2/NDF : 38.0/12

+ sign -298.360 ± 182.202 χ^2/NDF : 130.8/31

All: 63.445 ± 134.272 χ^2/NDF : 217.4/63

- 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: 1133.831+/-0.258 χ^2/NDF : 830836.9/14

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

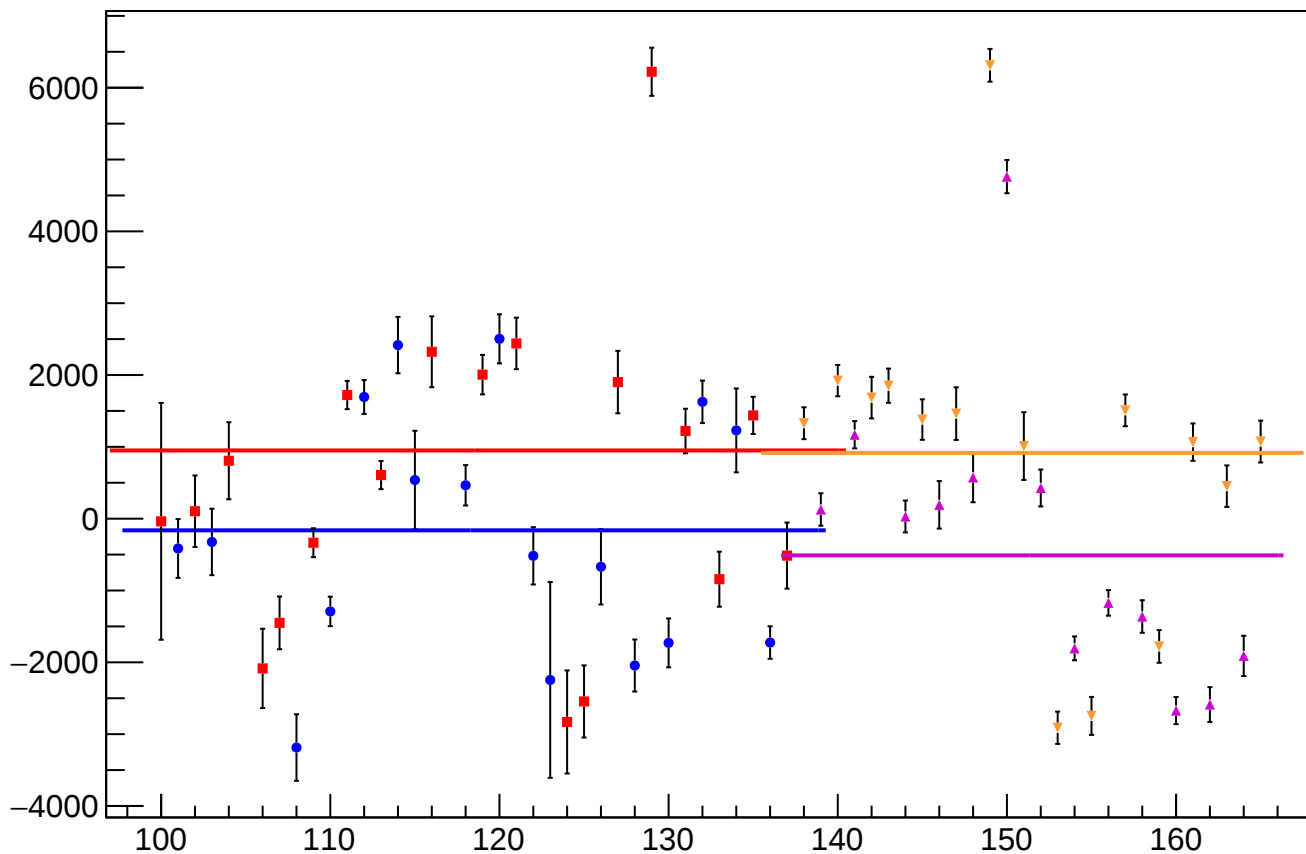
Left In: 953.092+/-0.243 χ^2/NDF : 2342742.2/12

+ sign 603.527+/-0.129 χ^2/NDF : 9333758.5/31

All: 630.447+/-0.095 χ^2/NDF : 17516411.1/63

- 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: 915.821 ± 66.368 χ^2/NDF : 1244.2/14

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

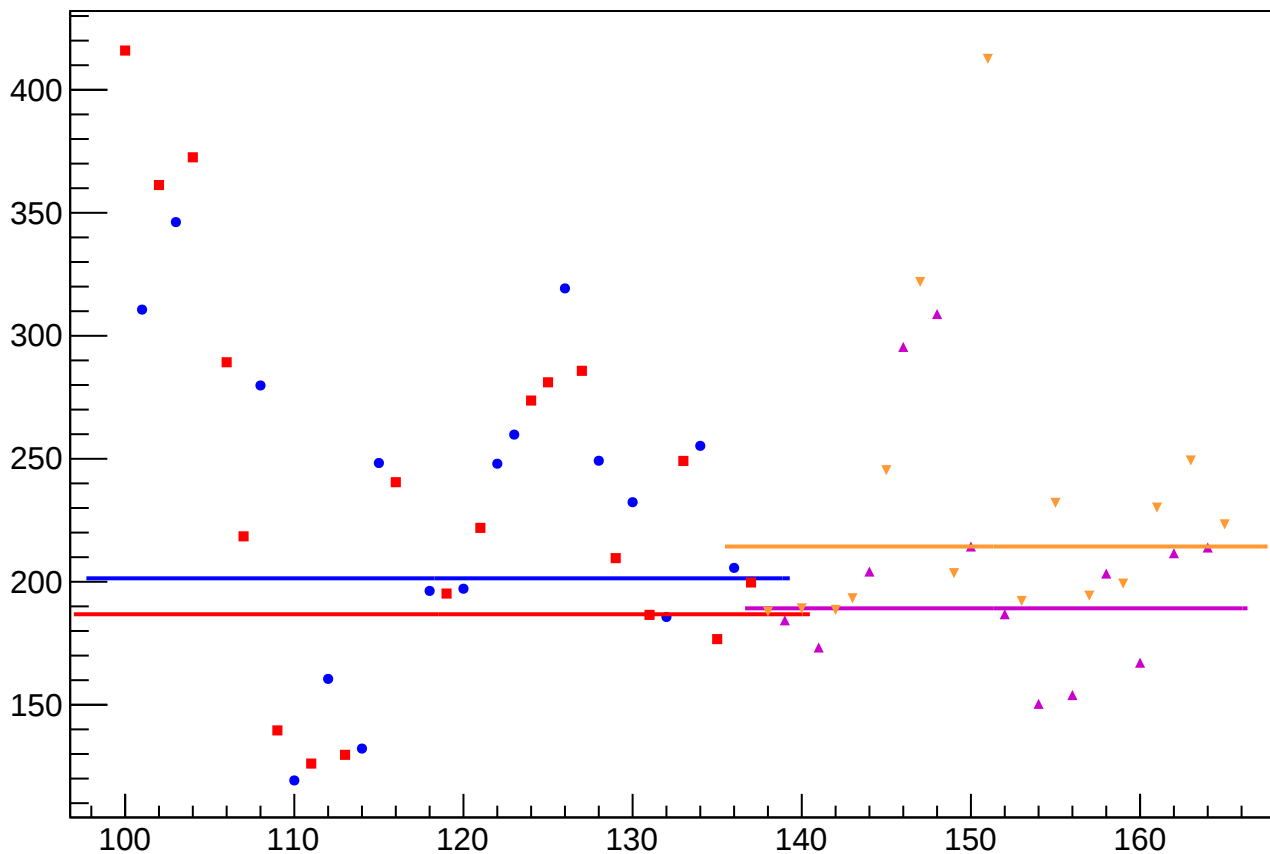
Left In: -510.999 ± 61.507 χ^2/NDF : 958.0/12

+ sign 491.283 ± 51.675 χ^2/NDF : 1735.7/31

All: 266.198 ± 35.008 χ^2/NDF : 3495.0/63

- 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: 214.348 $\pm$ 0.047 χ^2 /NDF: 732731.8/14

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

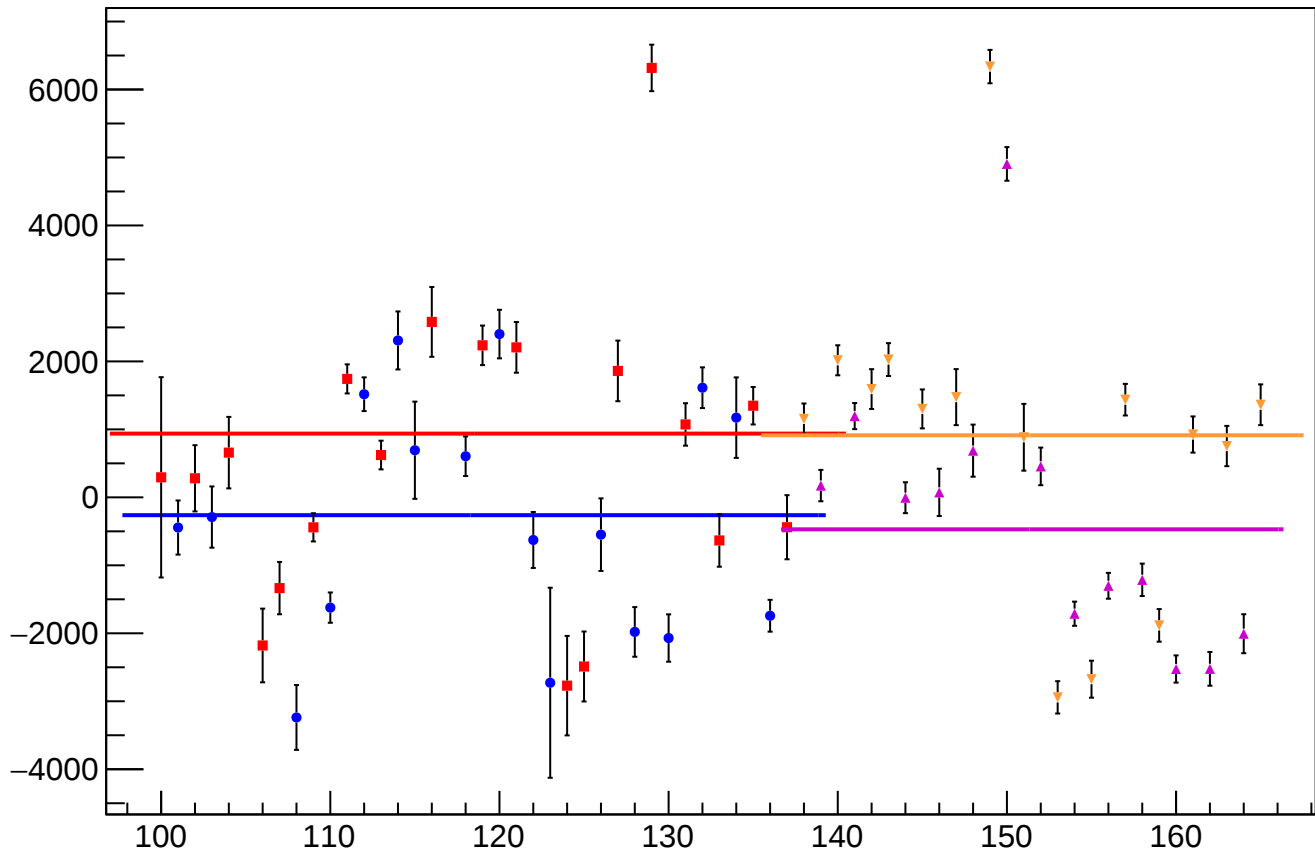
Left In: 189.213 $\pm$ 0.043 χ^2 /NDF: 749936.1/12

+ sign 209.253 $\pm$ 0.037 χ^2 /NDF: 1818686.1/31

All: 197.886 $\pm$ 0.025 χ^2 /NDF: 4141893.2/63

- sign 188.244 $\pm$ 0.034 χ^2 /NDF: 2144335.7/31

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 912.998 ± 68.800 χ^2/NDF : 1124.3/14

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

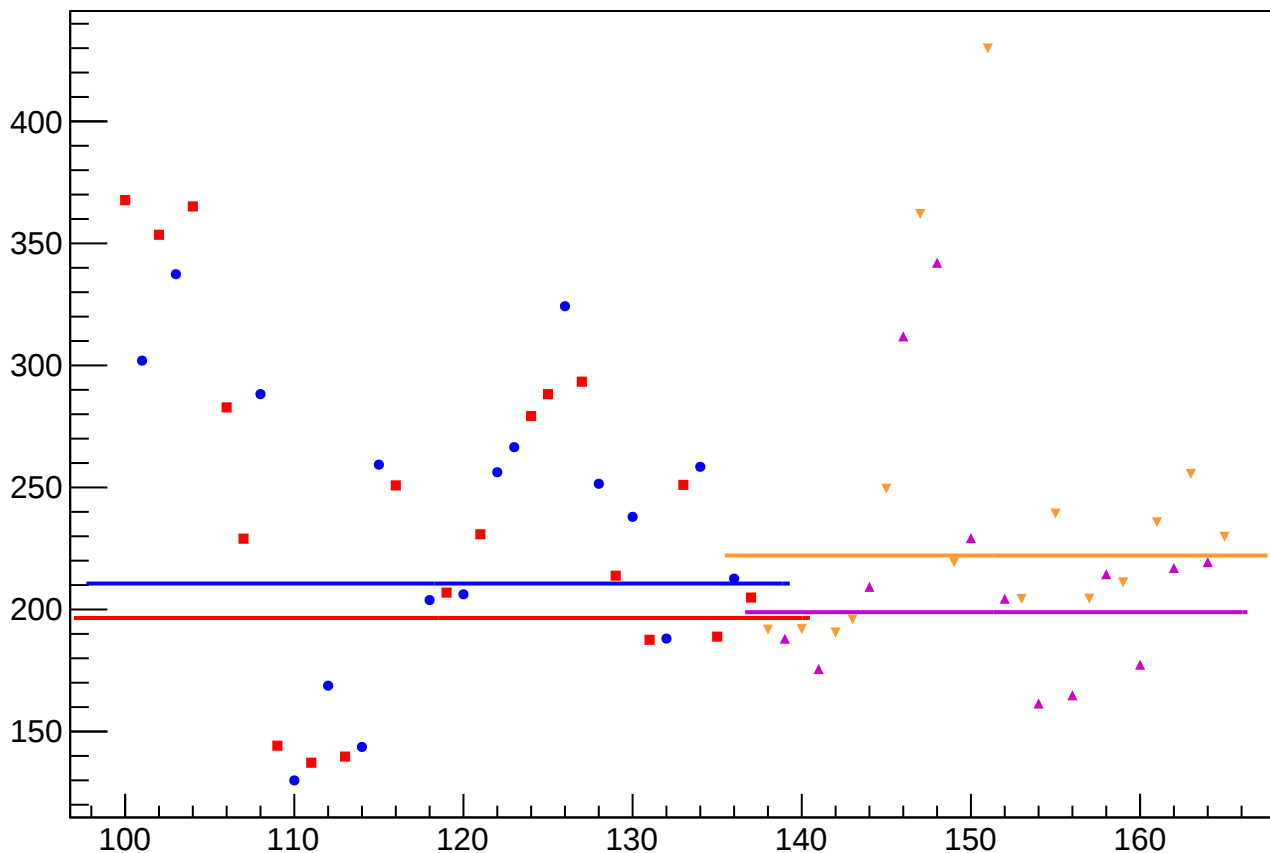
Left In: -470.367 ± 64.563 χ^2/NDF : 862.0/12

+ sign 450.633 ± 53.585 χ^2/NDF : 1607.8/31

All: 261.773 ± 36.497 χ^2/NDF : 3207.0/63

- sign 98.341 ± 49.847 χ^2/NDF : 1576.0/31

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 222.112+/-0.049 χ^2/NDF : 793495.0/14

Right Out: 196.528+/-0.055 χ^2/NDF : 1205091.0/18

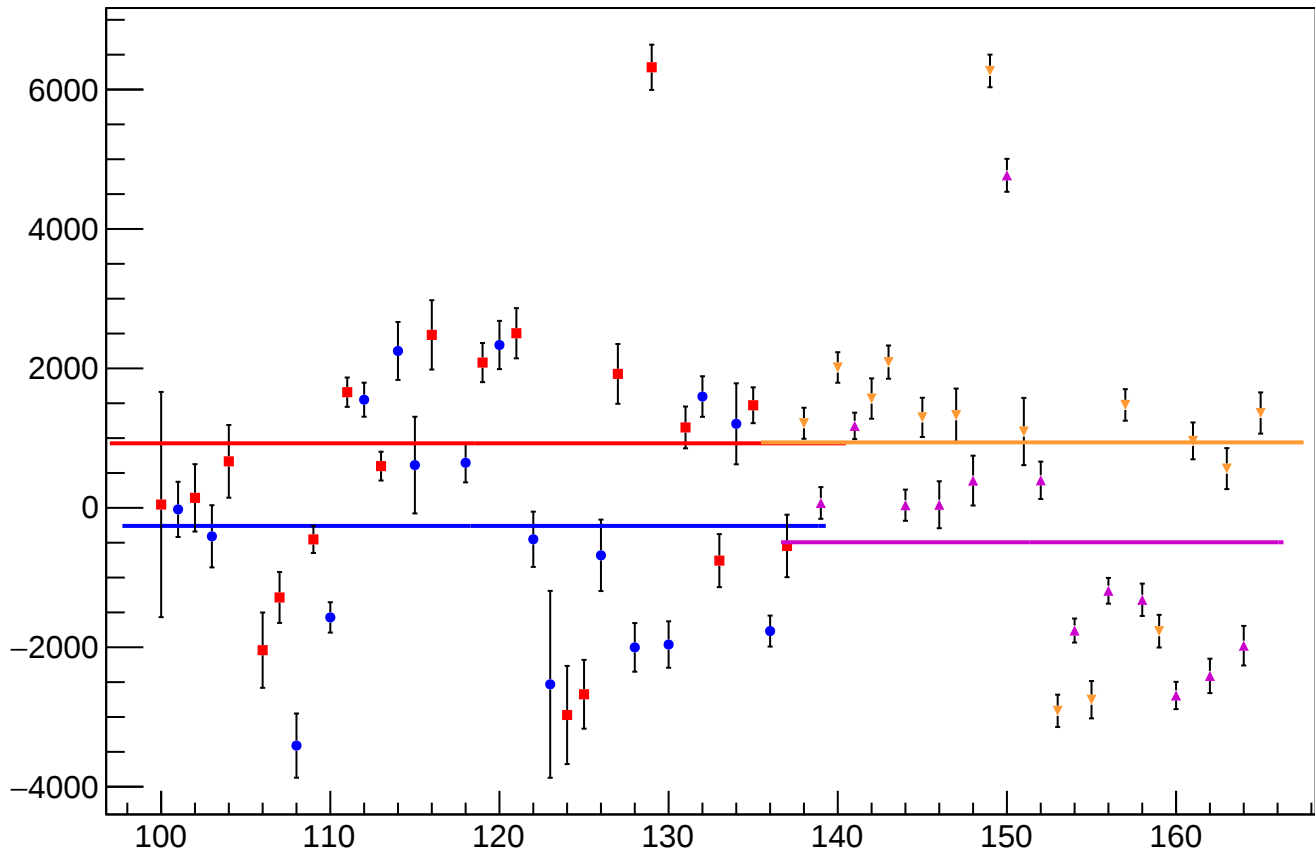
Left In: 198.895+/-0.046 χ^2/NDF : 764190.5/12

+ sign 217.597+/-0.038 χ^2/NDF : 1691162.2/31

All: 207.059+/-0.026 χ^2/NDF : 3805827.1/63

- sign 197.939+/-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: 938.837 ± 67.374 $\chi^2/\text{NDF}: 1182.9/14$

Right Out: 925.534 ± 75.503 $\chi^2/\text{NDF}: 581.9/18$

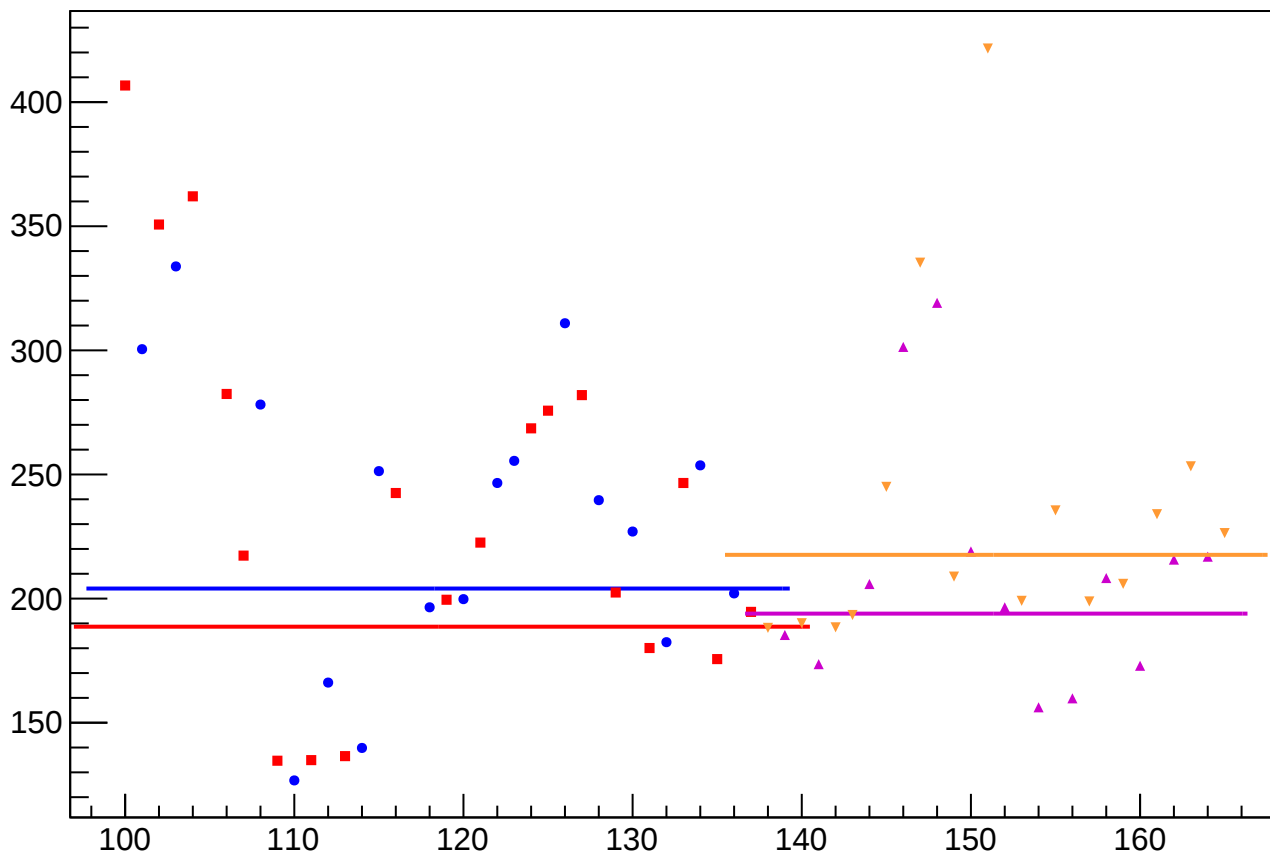
Left In: -493.819 ± 62.949 $\chi^2/\text{NDF}: 899.9/12$

+ sign 461.638 ± 52.260 $\chi^2/\text{NDF}: 1700.1/31$

All: 260.428 ± 35.490 $\chi^2/\text{NDF}: 3417.8/63$

- sign 88.201 ± 48.349 $\chi^2/\text{NDF}: 1690.2/31$

asym_bpm0l06WS_rms vs Slug



Right In: 204.051 $\pm$ 0.059 χ^2 /NDF: 868423.0/16

Left Out: 217.622 $\pm$ 0.048 χ^2 /NDF: 757009.2/14

Right Out: 188.681 $\pm$ 0.053 χ^2 /NDF: 1251107.4/18

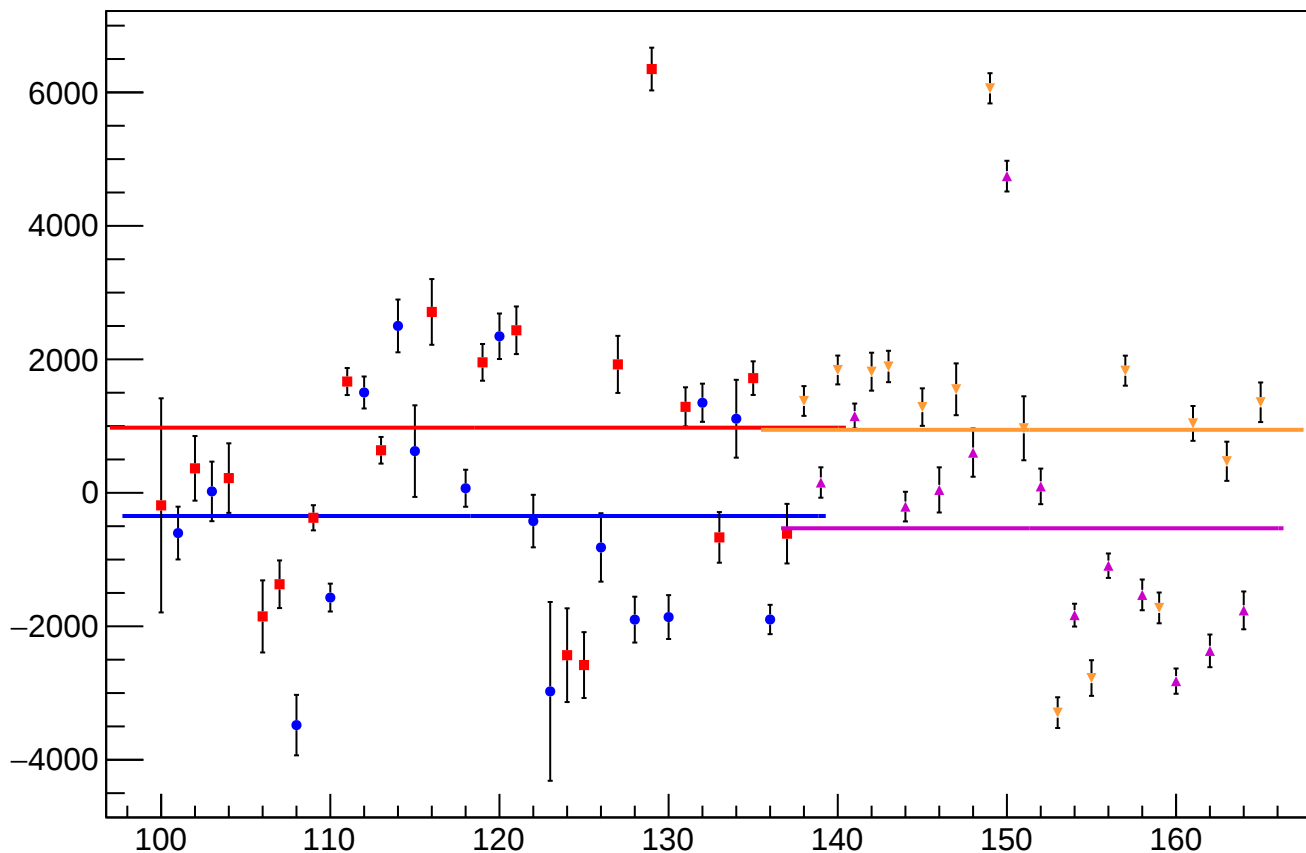
Left In: 193.944 $\pm$ 0.045 χ^2 /NDF: 727069.3/12

+ sign 212.216 $\pm$ 0.037 χ^2 /NDF: 1657756.5/31

All: 201.208 $\pm$ 0.025 χ^2 /NDF: 3806370.6/63

- sign 191.786 $\pm$ 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: 944.217 ± 66.778 $\chi^2/\text{NDF}: 1247.3/14$

Right Out: 976.286 ± 73.889 $\chi^2/\text{NDF}: 585.7/18$

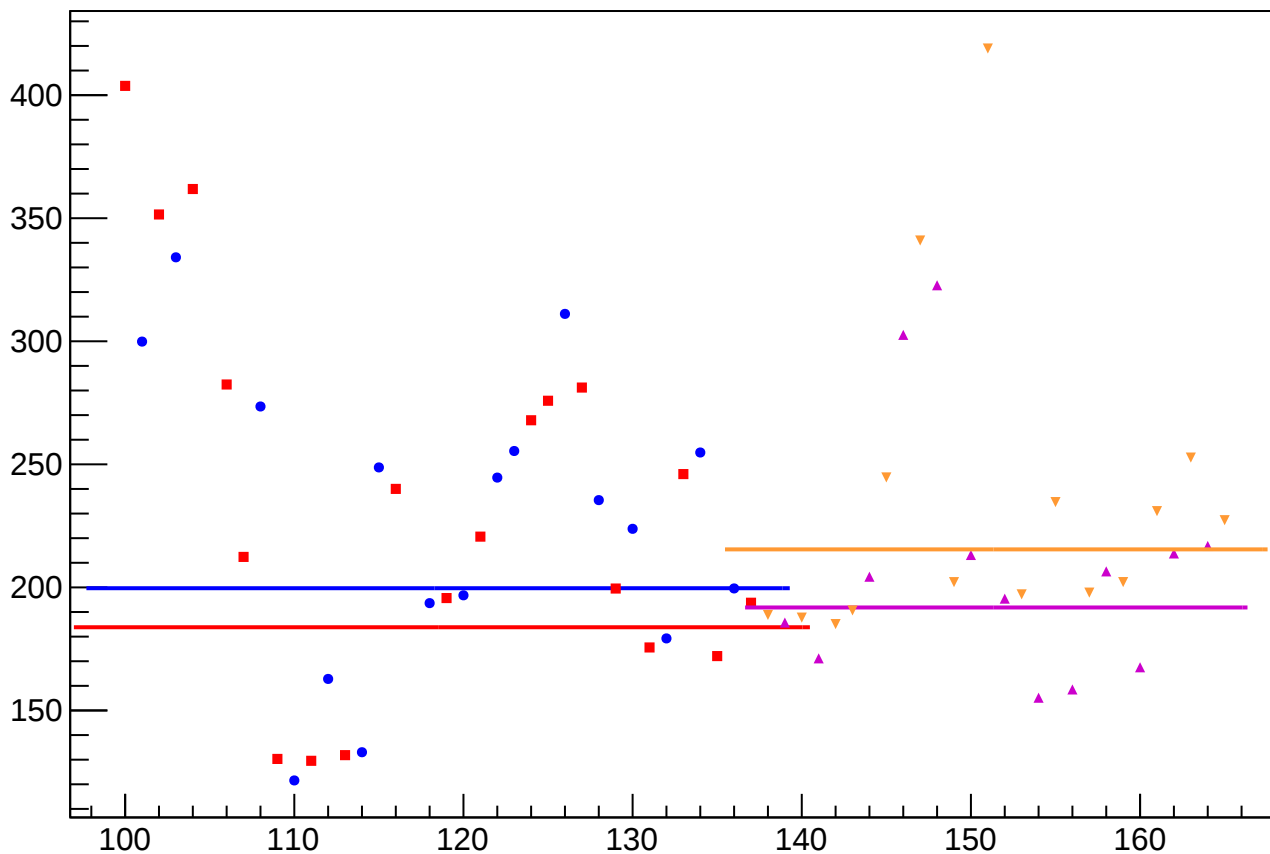
Left In: -531.091 ± 62.328 $\chi^2/\text{NDF}: 943.6/12$

+ sign 424.068 ± 51.607 $\chi^2/\text{NDF}: 1797.0/31$

All: 246.718 ± 35.006 $\chi^2/\text{NDF}: 3591.3/63$

- 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: 215.446 $\pm$ 0.047 χ^2 /NDF: 789028.6/14

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

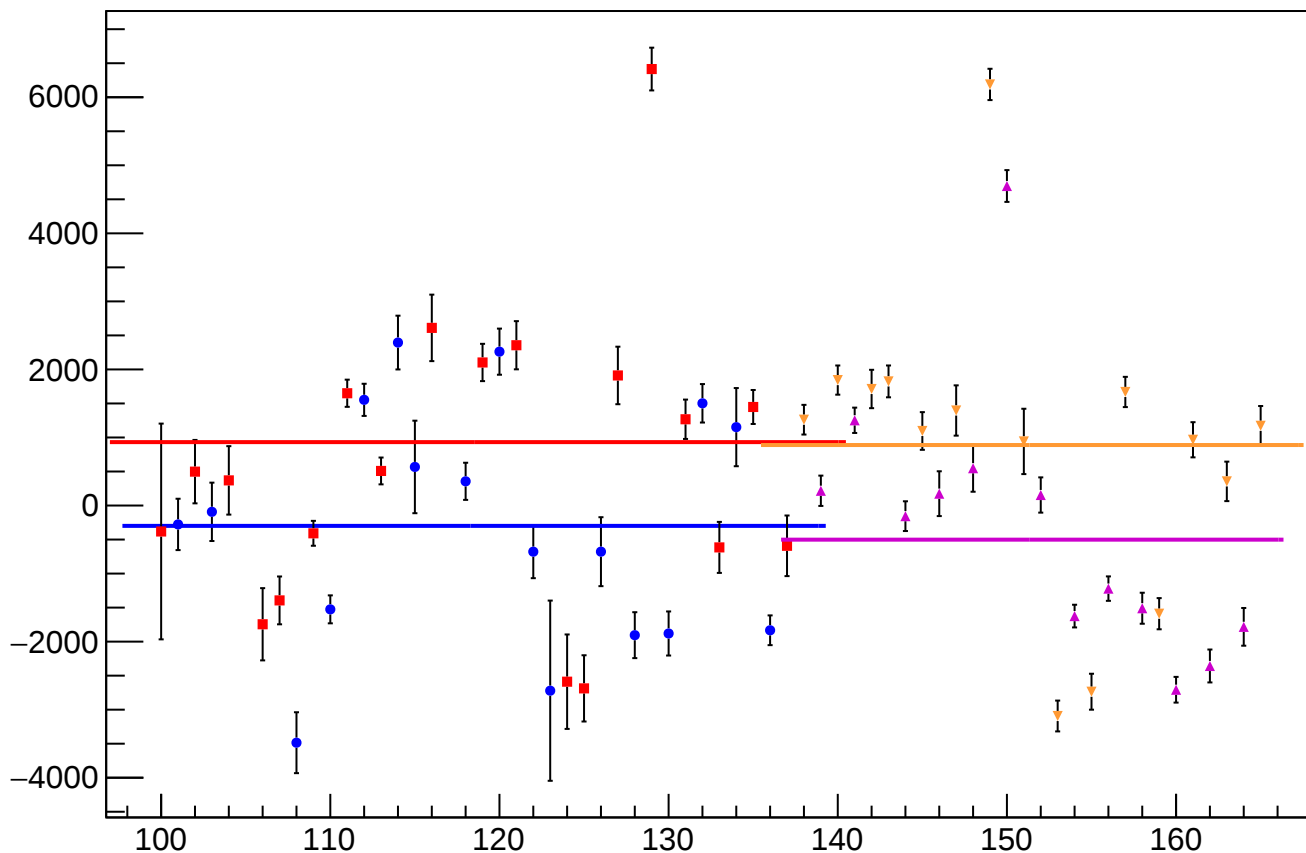
Left In: 191.843 $\pm$ 0.044 χ^2 /NDF: 757570.5/12

+ sign 209.092 $\pm$ 0.036 χ^2 /NDF: 1777147.2/31

All: 197.976 $\pm$ 0.025 χ^2 /NDF: 4070023.7/63

- 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: 889.119 ± 66.075 χ^2/NDF : 1211.8/14

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

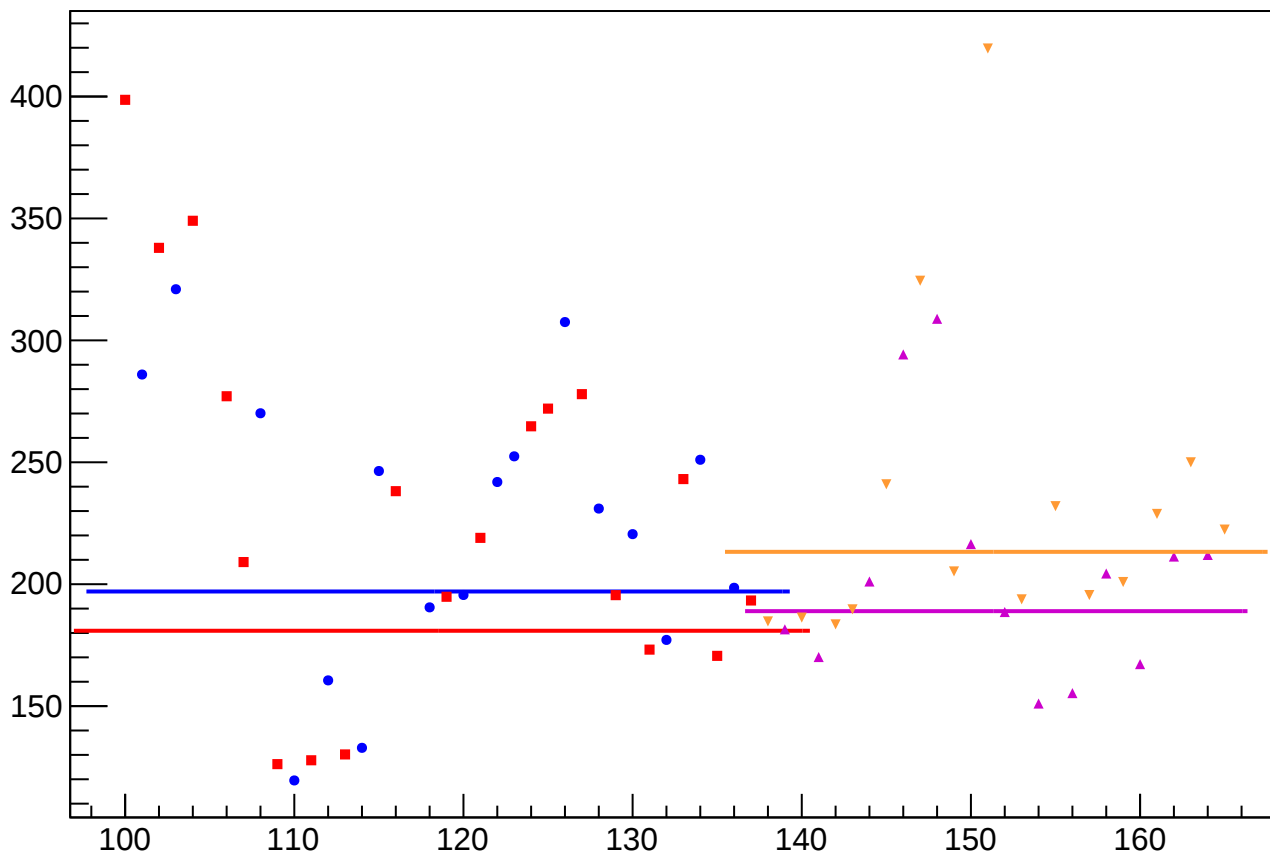
Left In: -501.521 ± 61.406 χ^2/NDF : 914.1/12

+ sign 408.469 ± 50.987 χ^2/NDF : 1749.2/31

All: 238.650 ± 34.528 χ^2/NDF : 3525.2/63

- 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: 213.274+/-0.047 χ^2/NDF : 766348.5/14

Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

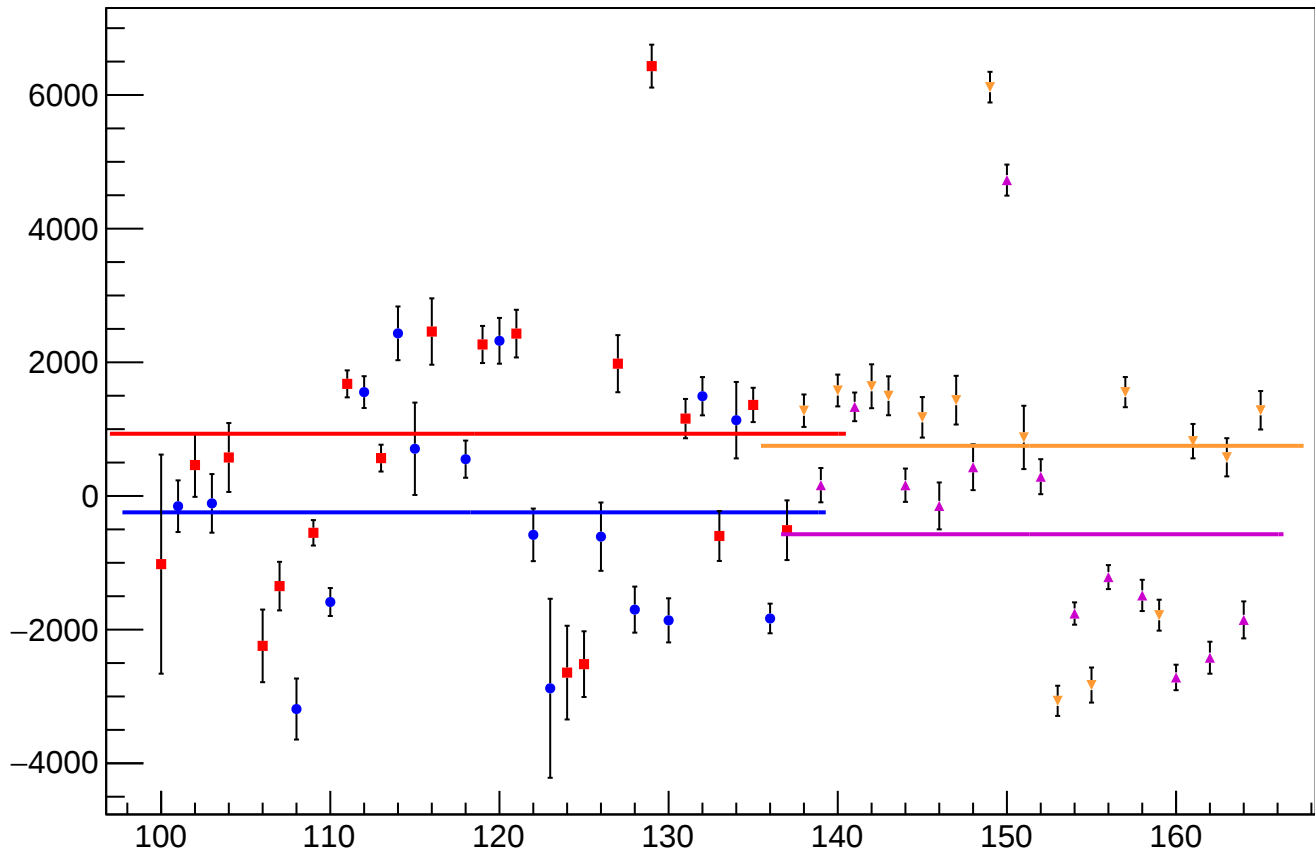
Left In: 188.948+/-0.043 χ^2/NDF : 741732.8/12

+ sign 206.695+/-0.036 χ^2/NDF : 1727271.3/31

All: 195.275+/-0.024 χ^2/NDF : 4014282.7/63

- sign 185.602+/-0.033 χ^2/NDF : 2101689.9/31

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 750.547 ± 69.102 χ^2/NDF : 1191.6/14

Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

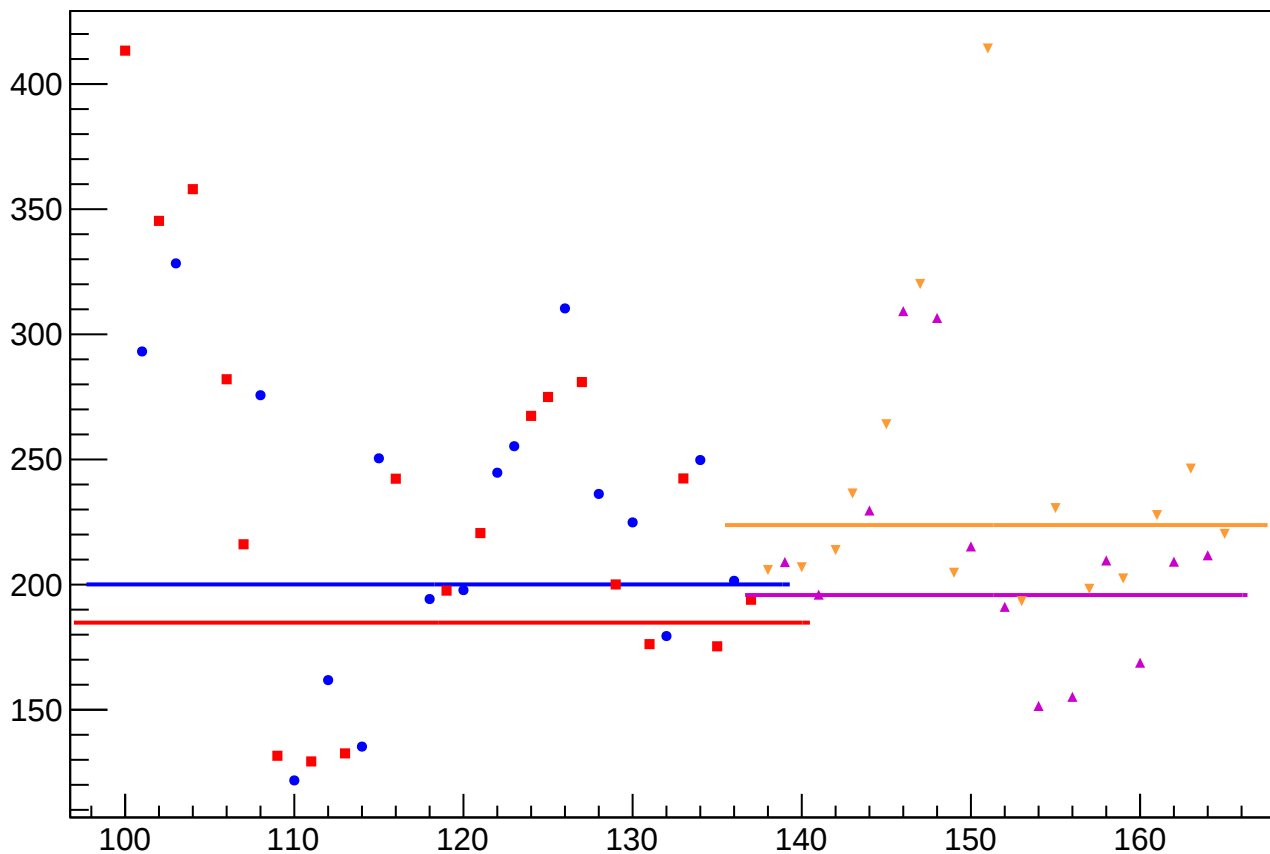
Left In: -572.741 ± 63.765 χ^2/NDF : 922.5/12

+ sign 333.581 ± 52.678 χ^2/NDF : 1670.0/31

All: 188.432 ± 35.626 χ^2/NDF : 3452.5/63

- sign 66.094 ± 48.362 χ^2/NDF : 1768.6/31

asym_bpm0l09WS_rms vs Slug



Right In: 200.078 $\pm$ 0.058 χ^2 /NDF: 918309.2/16

Left Out: 223.789 $\pm$ 0.049 χ^2 /NDF: 631888.8/14

Right Out: 184.807 $\pm$ 0.052 χ^2 /NDF: 1318267.6/18

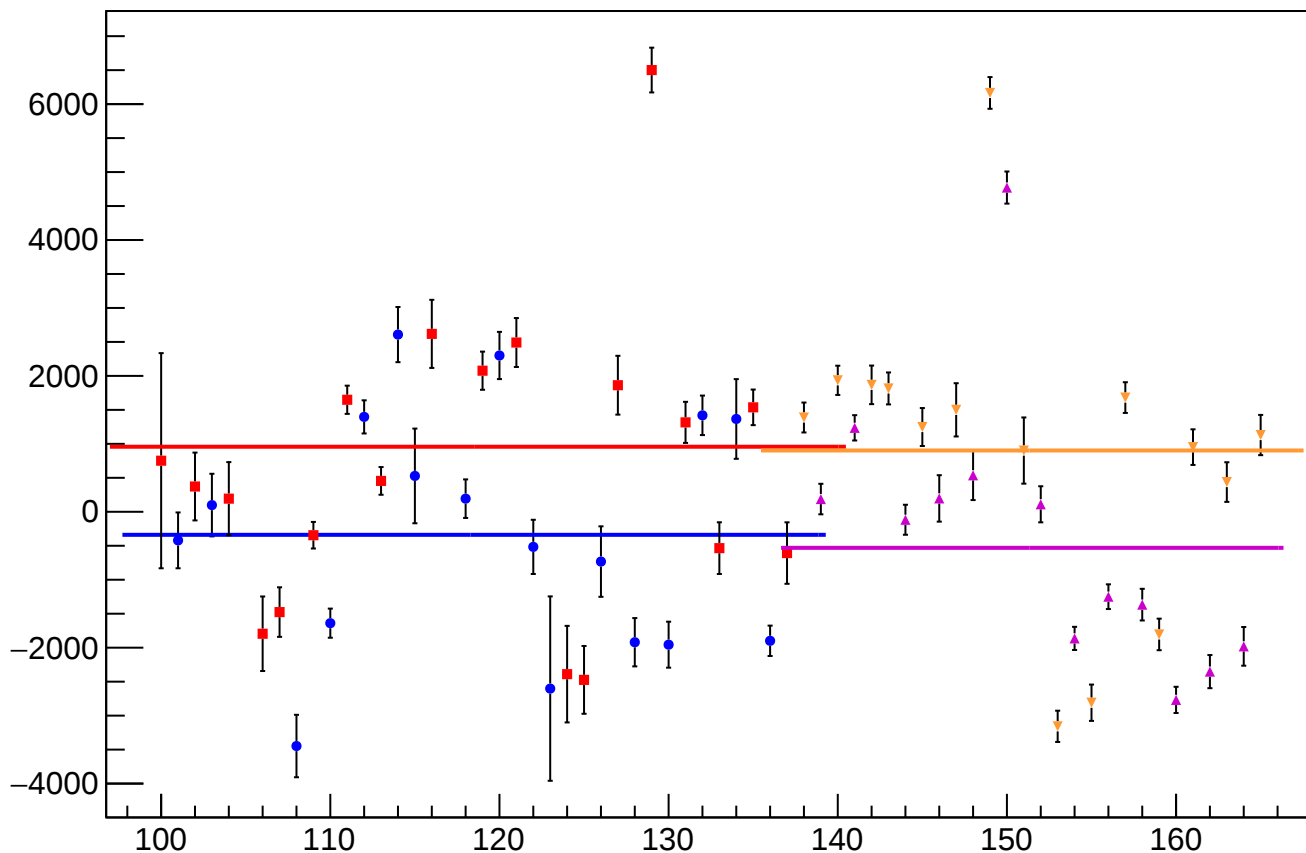
Left In: 195.834 $\pm$ 0.045 χ^2 /NDF: 777571.6/12

+ sign 213.858 $\pm$ 0.037 χ^2 /NDF: 1648830.7/31

All: 201.536 $\pm$ 0.025 χ^2 /NDF: 3971728.1/63

- 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: 902.241 ± 66.905 χ^2/NDF : 1222.9/14

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

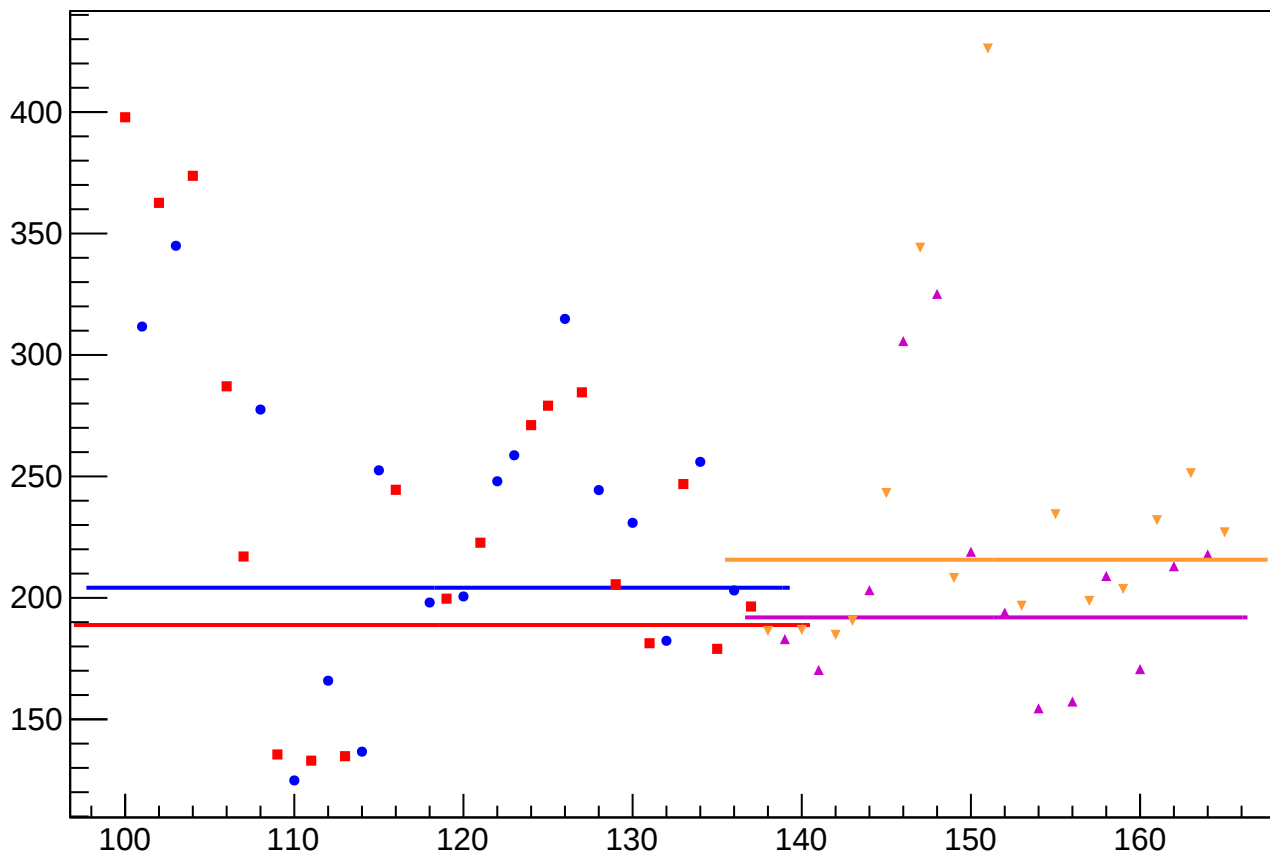
Left In: -530.461 ± 62.435 χ^2/NDF : 932.0/12

+ sign 414.255 ± 52.120 χ^2/NDF : 1747.7/31

All: 229.445 ± 35.379 χ^2/NDF : 3503.1/63

- 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: 215.705 $\pm$ 0.047 χ^2 /NDF: 808137.4/14

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

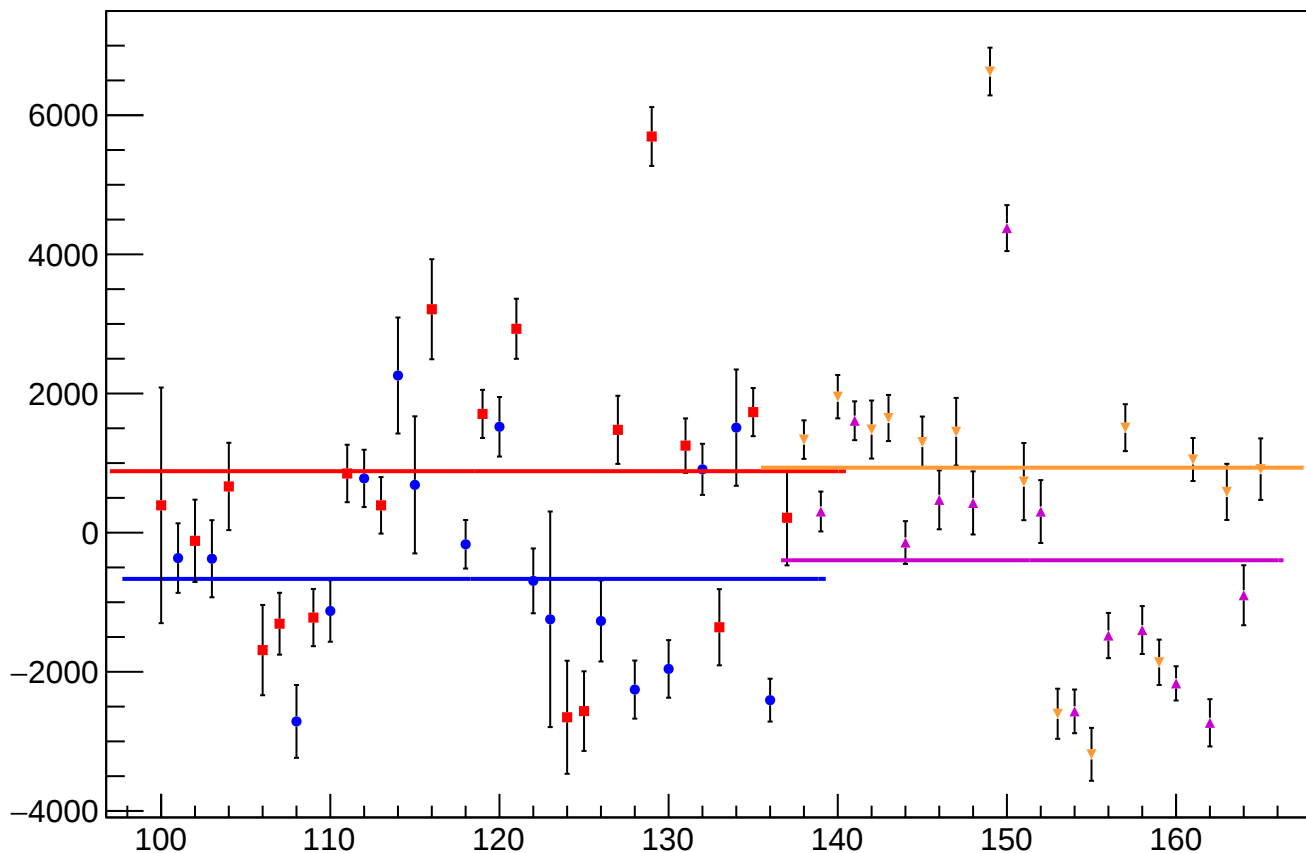
Left In: 191.958 $\pm$ 0.044 χ^2 /NDF: 786378.0/12

+ sign 211.172 $\pm$ 0.037 χ^2 /NDF: 1778928.5/31

All: 200.127 $\pm$ 0.025 χ^2 /NDF: 4048808.5/63

- sign 190.689 $\pm$ 0.034 χ^2 /NDF: 2103311.9/31

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 934.329 ± 92.774 χ^2/NDF : 588.6/14

Right Out: 883.255 ± 110.875 χ^2/NDF : 320.1/18

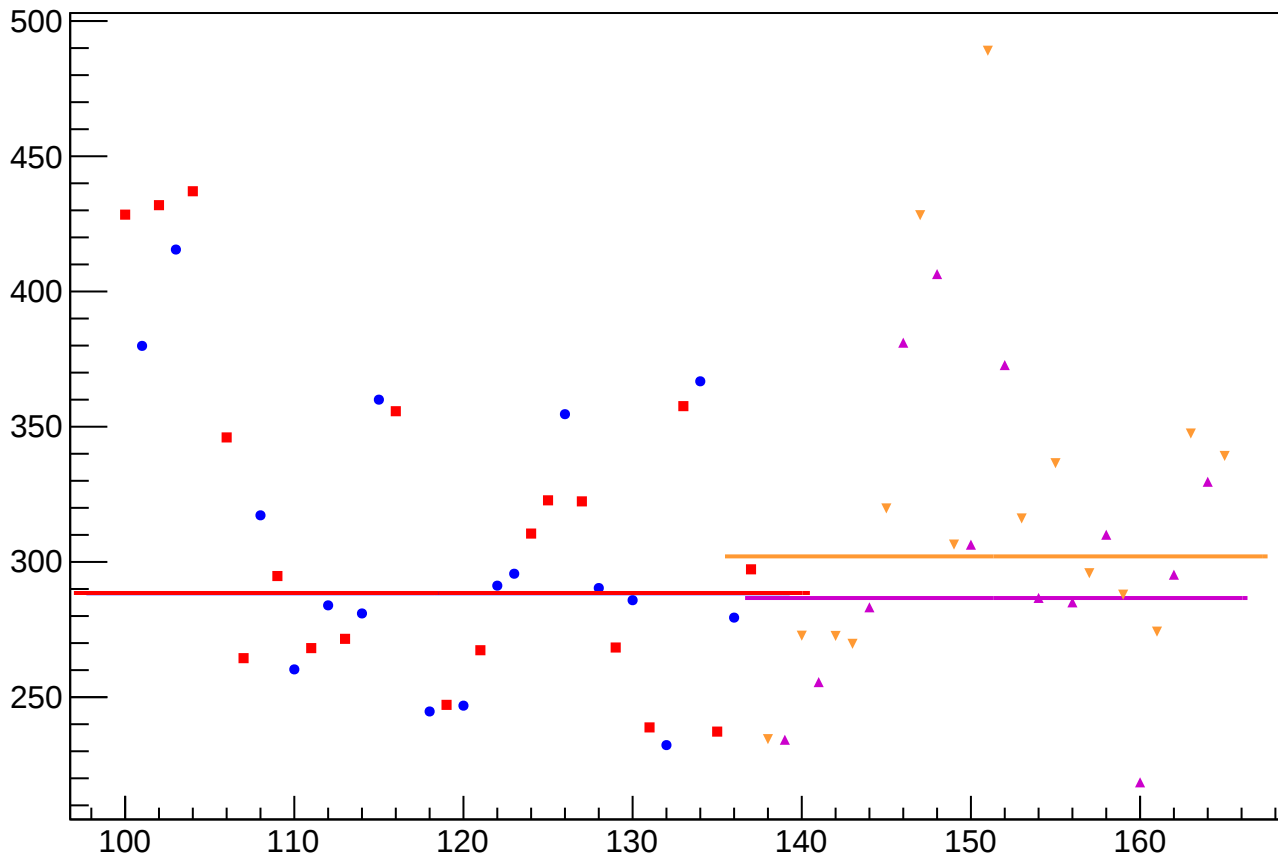
Left In: -397.030 ± 91.782 χ^2/NDF : 444.8/12

+ sign 297.025 ± 71.944 χ^2/NDF : 861.3/31

All: 208.777 ± 50.427 χ^2/NDF : 1708.2/63

- sign 123.555 ± 70.701 χ^2/NDF : 844.0/31

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 ± 0.081 $\chi^2/\text{NDF}: 339820.0/16$

Left Out: 302.052 ± 0.066 $\chi^2/\text{NDF}: 612198.0/14$

Right Out: 288.522 ± 0.078 $\chi^2/\text{NDF}: 455410.1/18$

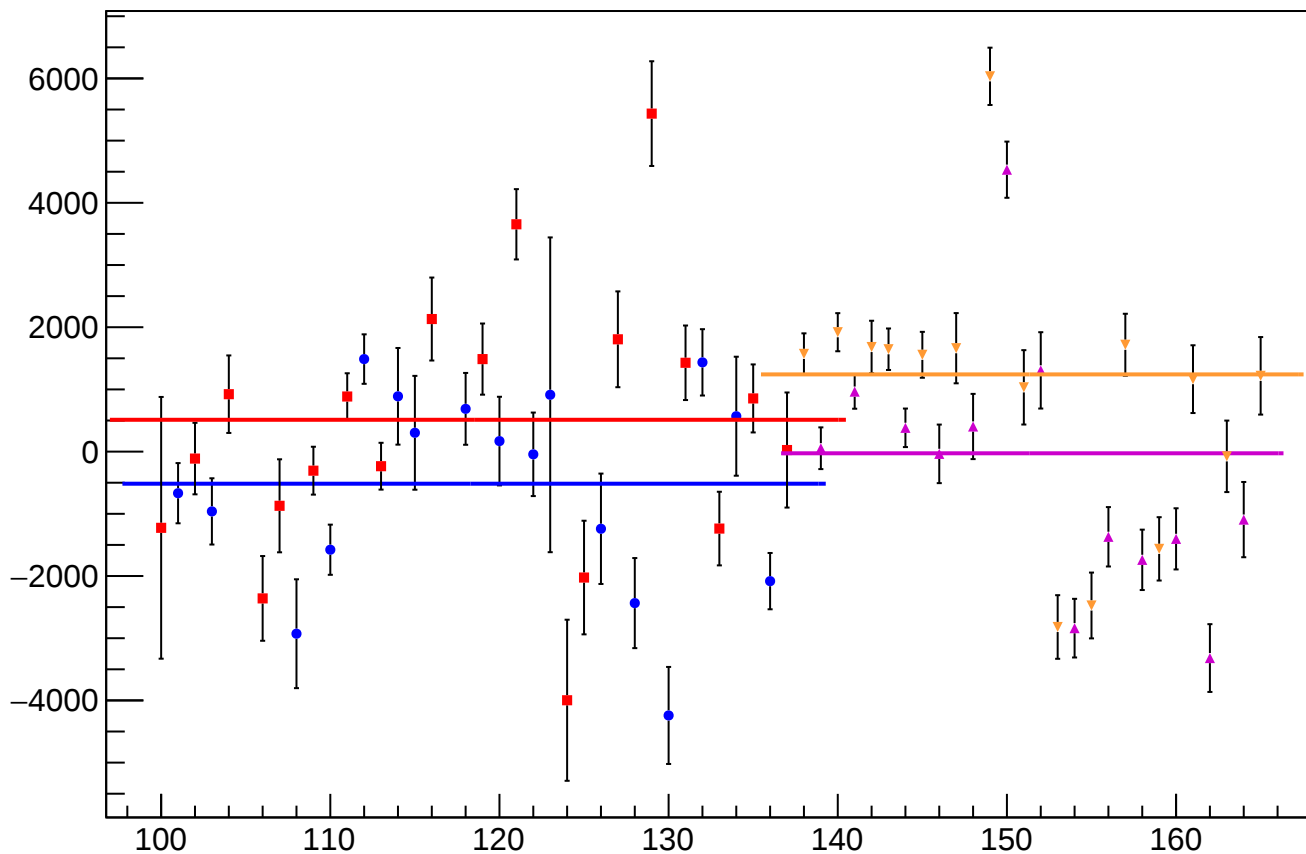
Left In: 286.659 ± 0.065 $\chi^2/\text{NDF}: 594574.5/12$

+ sign 296.621 ± 0.051 $\chi^2/\text{NDF}: 969210.9/31$

All: 291.938 ± 0.036 $\chi^2/\text{NDF}: 2036185.0/63$

- sign 287.416 ± 0.050 $\chi^2/\text{NDF}: 1050319.8/31$

asym_bpm0r05WS_mean vs Slug



Right In: -515.894+/-147.326 χ^2/NDF : 108.0/16

Left Out: 1241.534+/-114.206 χ^2/NDF : 267.0/14

Right Out: 511.851+/-135.798 χ^2/NDF : 141.3/18

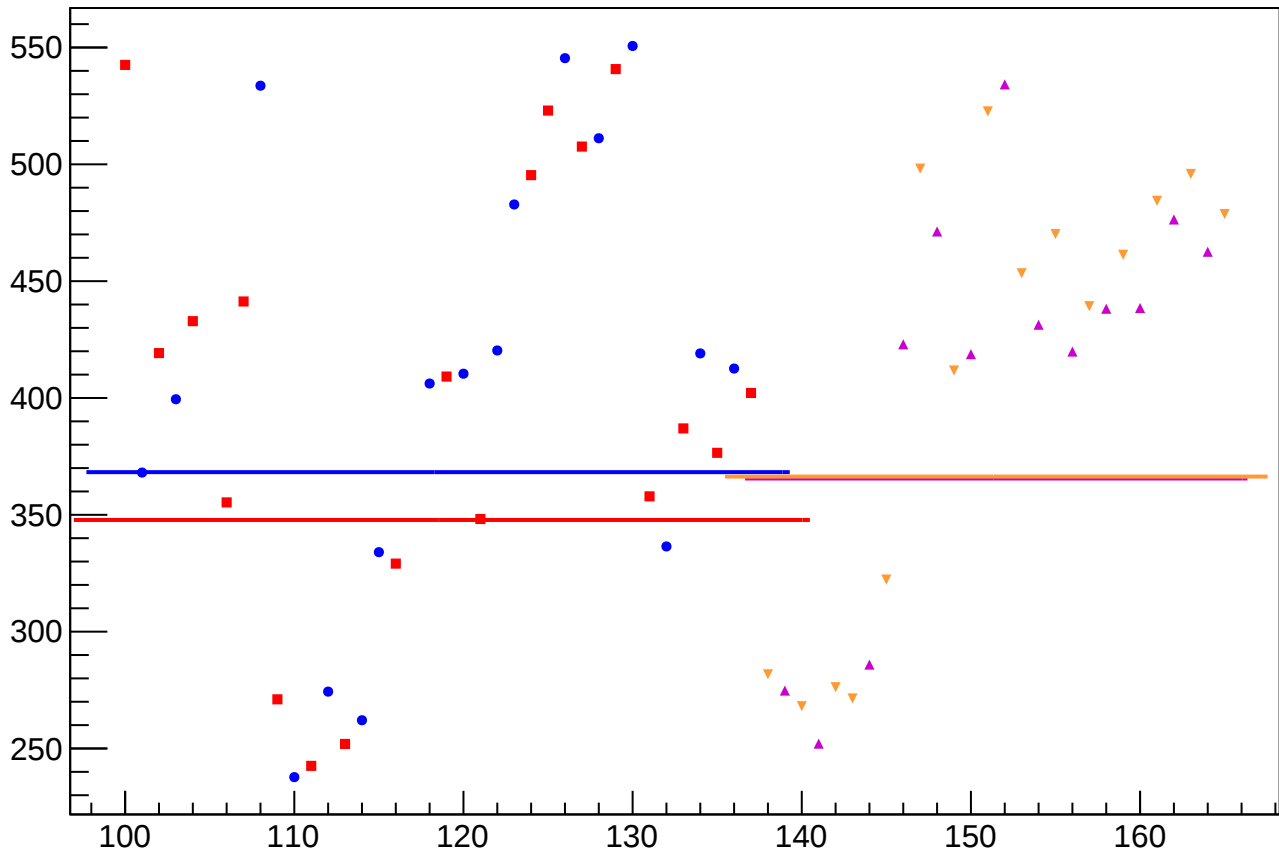
Left In: -26.796+/-118.187 χ^2/NDF : 225.4/12

+ sign 581.865+/-90.262 χ^2/NDF : 463.8/31

All: 391.281+/-63.429 χ^2/NDF : 848.3/63

- sign 205.357+/-89.152 χ^2/NDF : 375.7/31

asym_bpm0r05WS_rms vs Slug



Right In: 368.264 $\pm$ 0.104 χ^2 /NDF: 770116.6/16

Left Out: 366.370 $\pm$ 0.081 χ^2 /NDF:1391670.6/14

Right Out: 347.802 $\pm$ 0.096 χ^2 /NDF: 821862.5/18

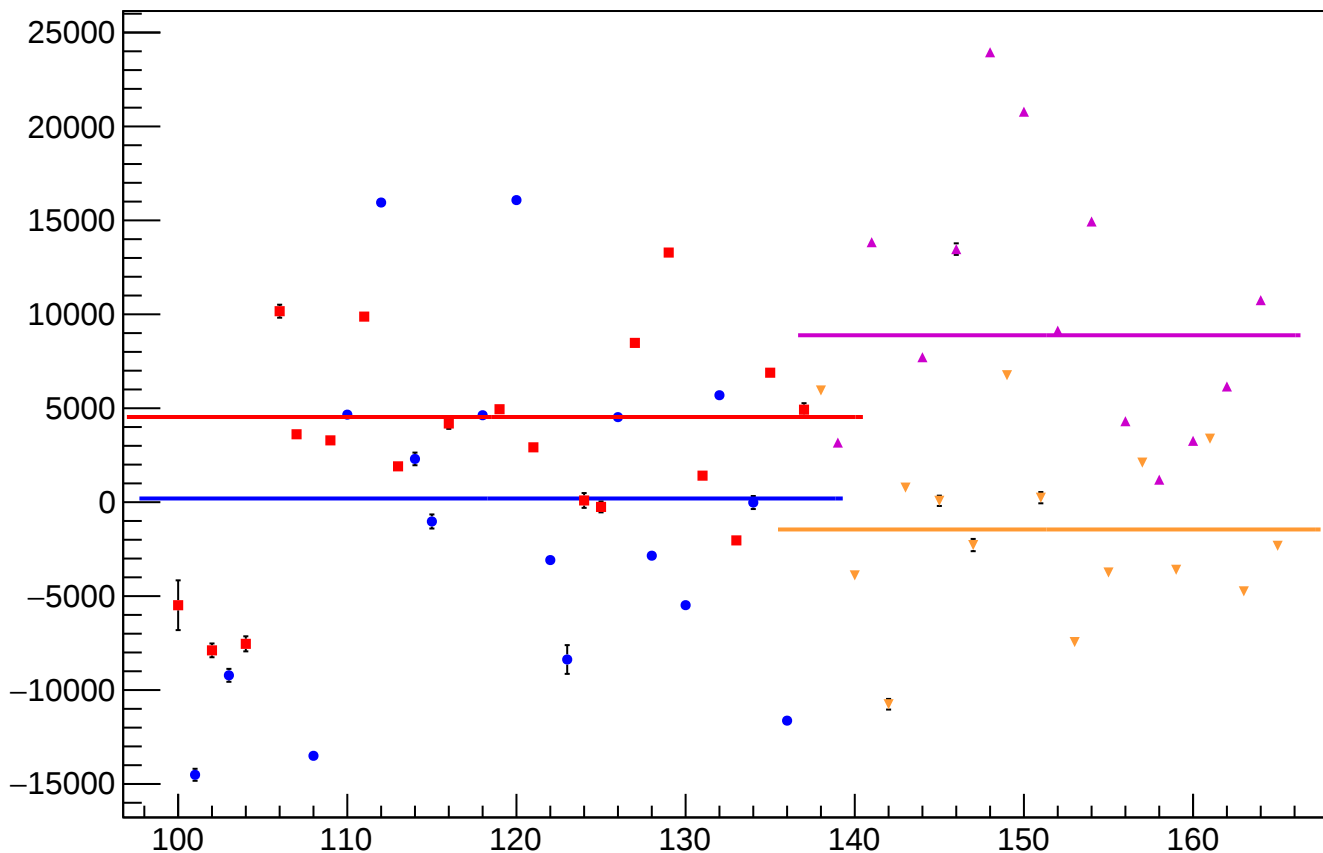
Left In: 365.550 $\pm$ 0.084 χ^2 /NDF:1196593.8/12

+ sign 367.081 $\pm$ 0.064 χ^2 /NDF: 2161993.8/31

All: 362.434 $\pm$ 0.045 χ^2 /NDF: 4210360.2/63

- sign 357.901 $\pm$ 0.063 χ^2 /NDF: 2037894.4/31

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -1452.743+/-52.087 χ^2/NDF : 7587.7/14

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

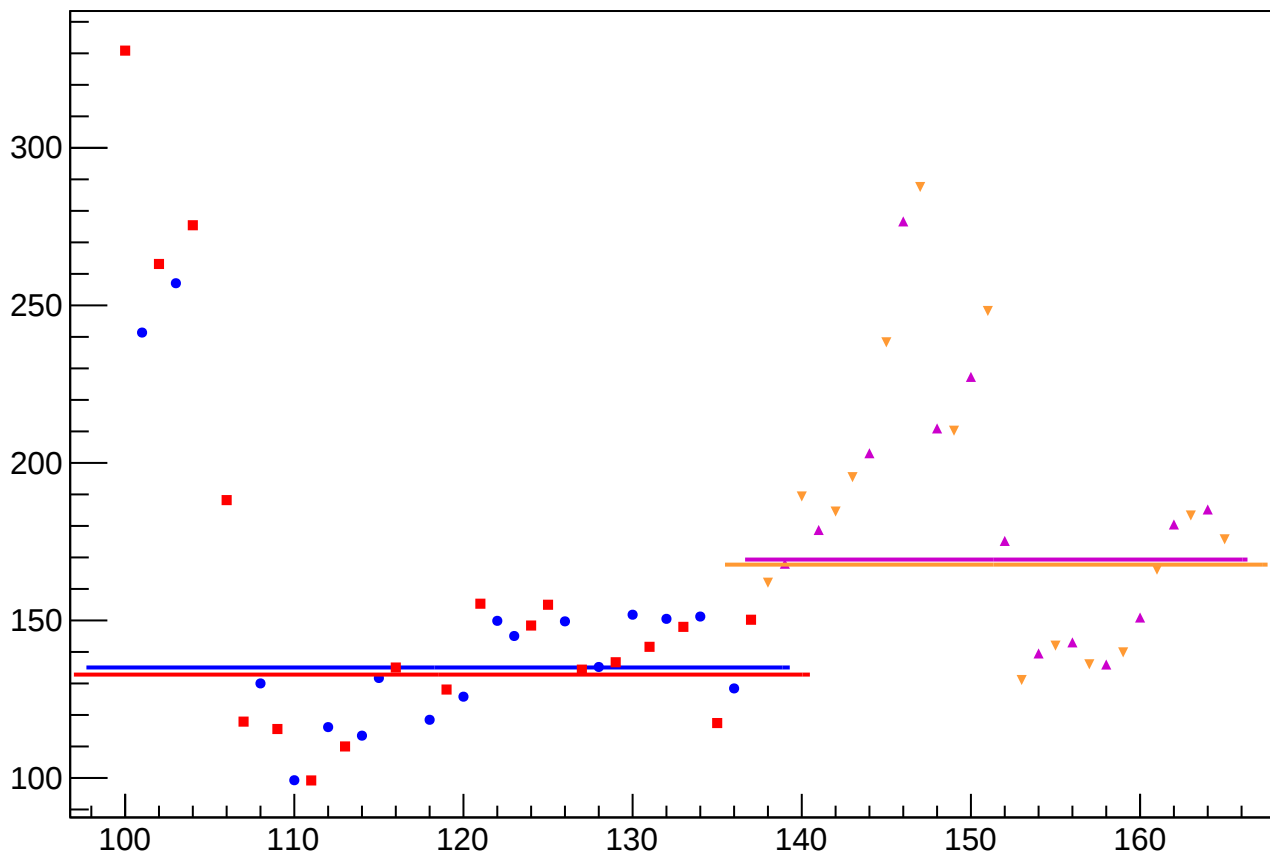
Left In: 8884.817+/-54.906 χ^2/NDF : 14070.4/12

+ sign -669.692+/-37.753 χ^2/NDF : 38722.1/31

All: 2953.325+/-26.758 χ^2/NDF : 82057.5/63

- 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: 167.717+/-0.037 χ^2/NDF :1003334.6/14

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

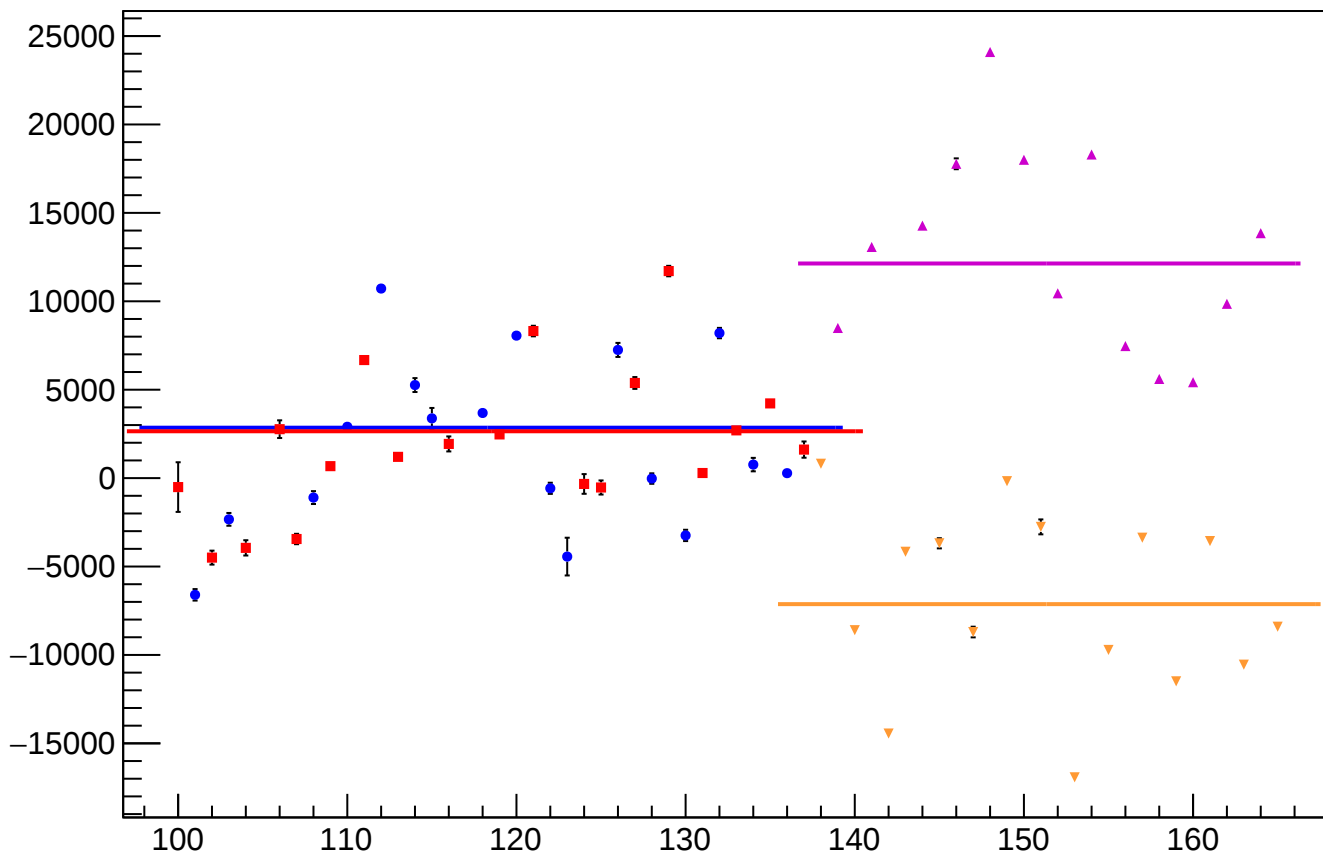
Left In: 169.328+/-0.039 χ^2/NDF :729200.0/12

+ sign 152.222+/-0.027 χ^2/NDF : 2034925.8/31

All: 151.236+/-0.019 χ^2/NDF : 4060391.0/63

- 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: -7126.828+/-59.567 χ^2/NDF : 7685.3/14

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

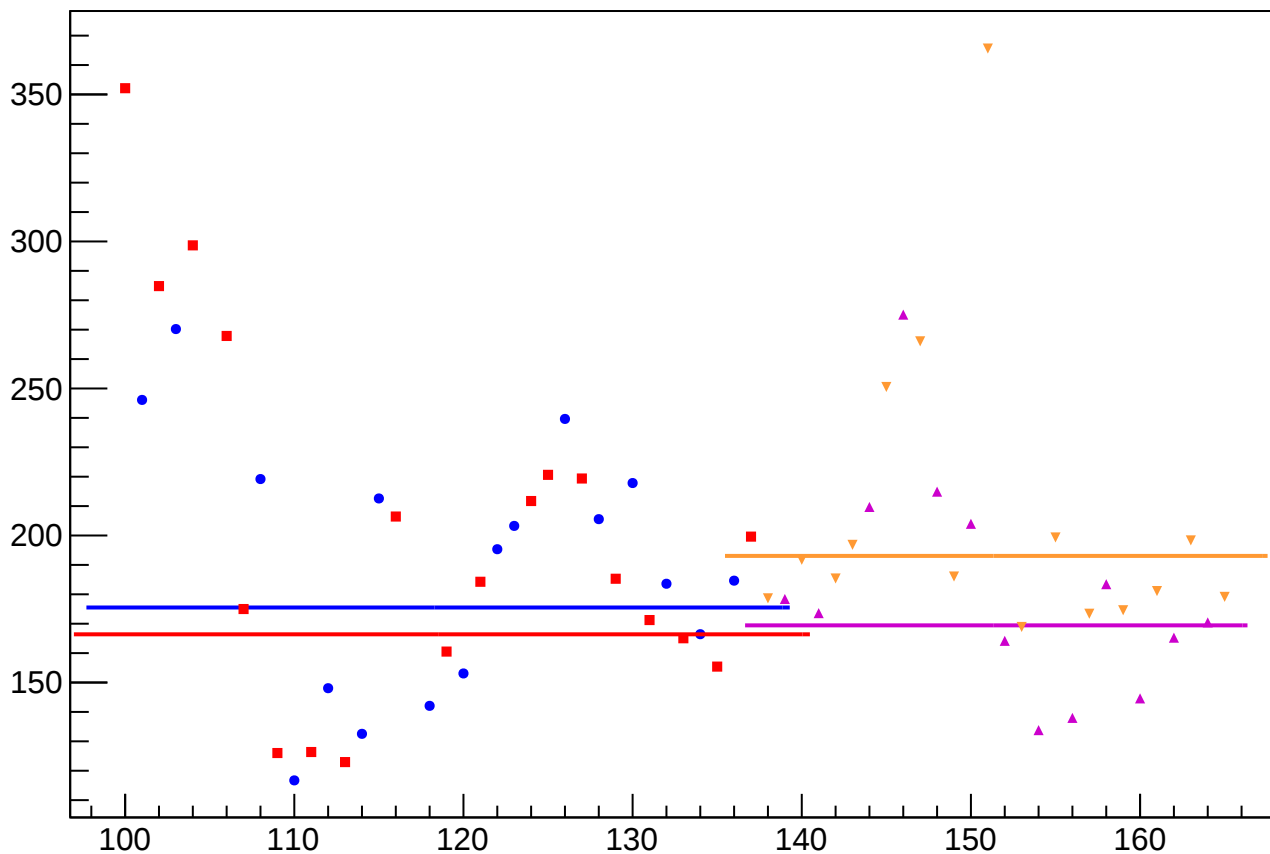
Left In: 12137.628+/-55.000 χ^2/NDF : 9418.8/12

+ sign -2987.929+/-45.568 χ^2/NDF : 23502.7/31

All: 3053.444+/-30.955 χ^2/NDF : 80992.3/63

- 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: 193.061 $\pm$ 0.042 χ^2 /NDF: 627889.0/14

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

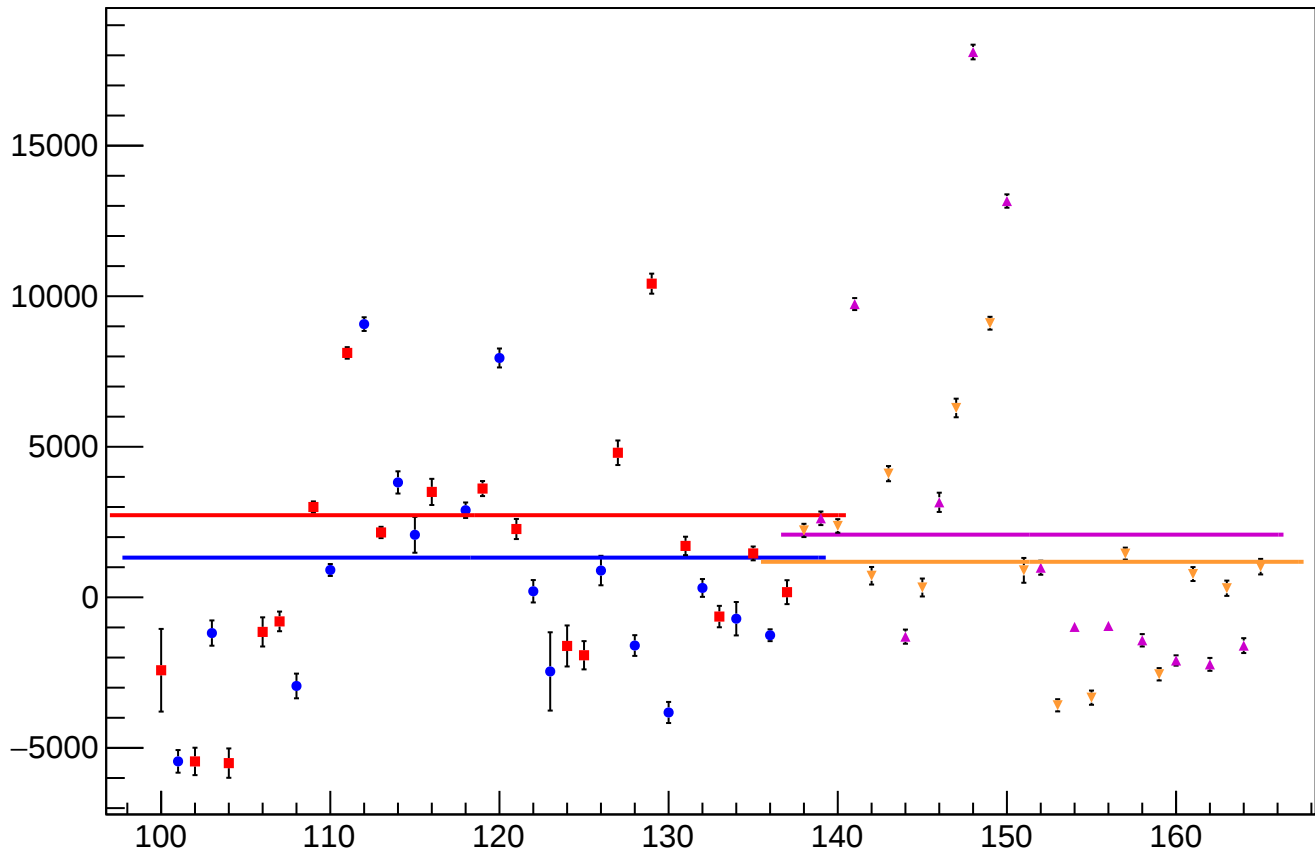
Left In: 169.441 $\pm$ 0.039 χ^2 /NDF: 675401.2/12

+ sign 185.783 $\pm$ 0.032 χ^2 /NDF: 1389512.7/31

All: 176.306 $\pm$ 0.022 χ^2 /NDF: 3157599.3/63

- sign 168.185 $\pm$ 0.030 χ^2 /NDF: 1607464.7/31

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 $\pm$ 77.146 χ^2 /NDF: 2667.0/16

Left Out: 1180.156 $\pm$ 62.306 χ^2 /NDF: 3117.0/14

Right Out: 2727.798 $\pm$ 70.029 χ^2 /NDF: 2495.9/18

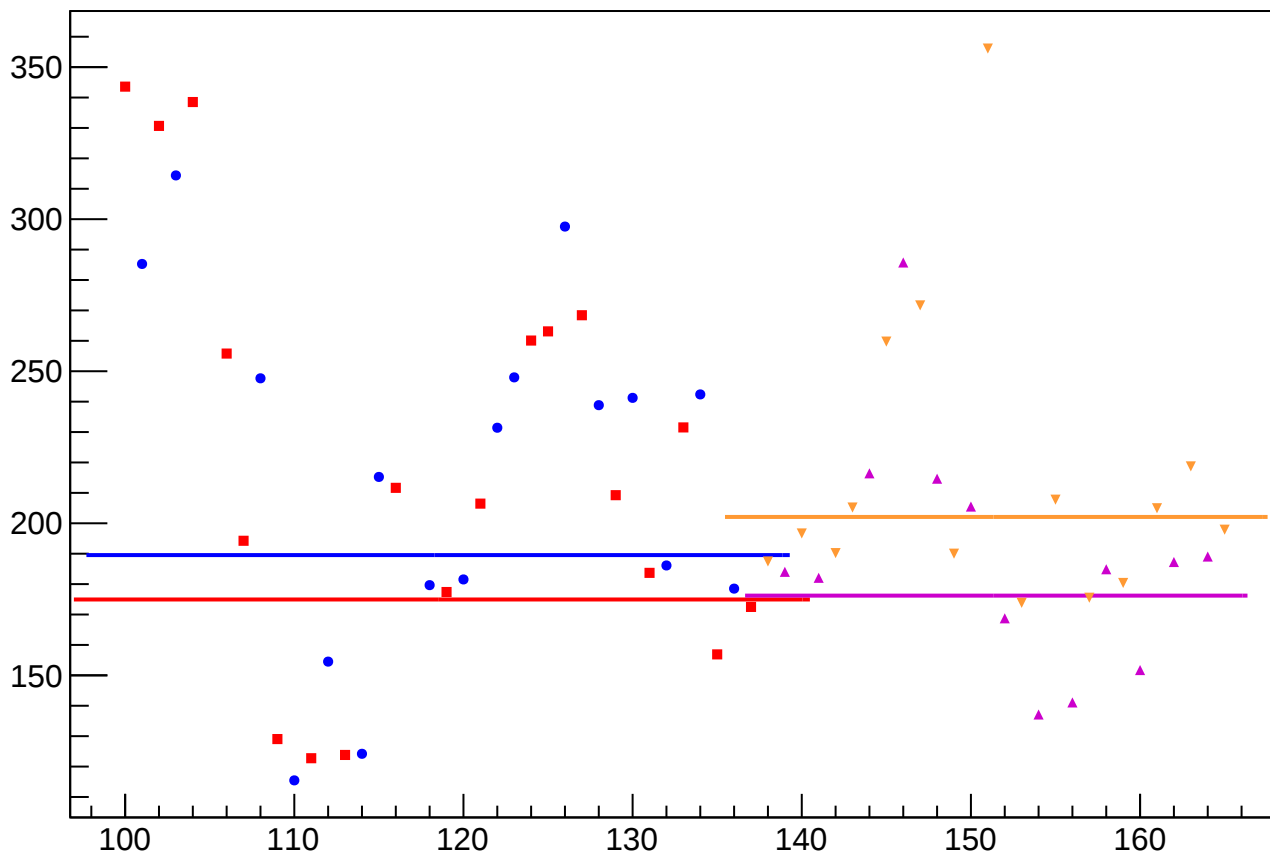
Left In: 2081.815 $\pm$ 57.223 χ^2 /NDF: 10803.5/12

+ sign 1234.971 $\pm$ 48.471 χ^2 /NDF: 5786.0/31

All: 1837.182 $\pm$ 32.705 χ^2 /NDF: 19419.8/63

- sign 2340.446 $\pm$ 44.311 χ^2 /NDF: 13350.4/31

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 202.087+/-0.044 χ^2/NDF : 582893.7/14

Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

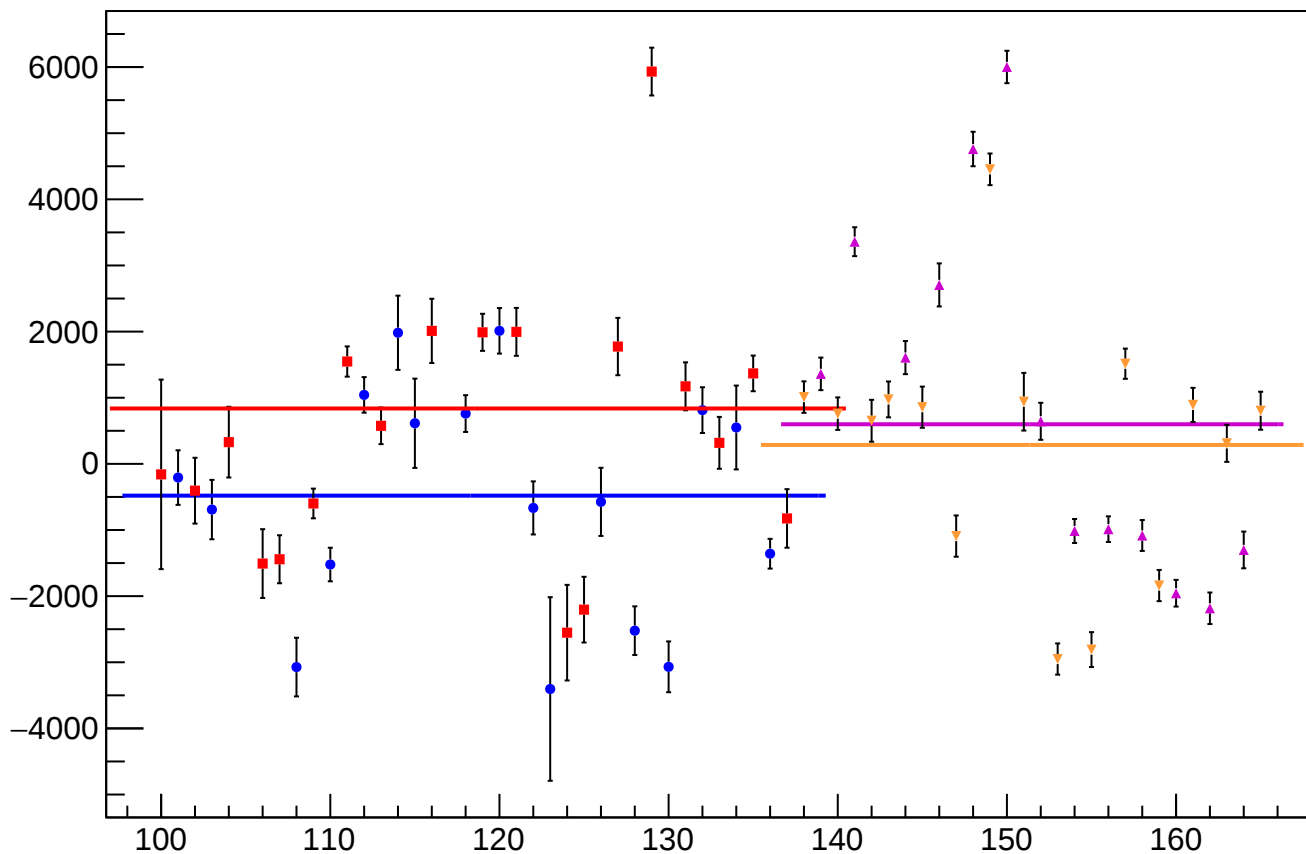
Left In: 176.214+/-0.040 χ^2/NDF : 665805.7/12

+ sign 197.135+/-0.034 χ^2/NDF : 1595632.8/31

All: 185.461+/-0.023 χ^2/NDF : 3771905.0/63

- sign 175.705+/-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: 286.389+/-68.935 χ^2/NDF : 793.8/14

Right Out: 837.442+/-82.243 χ^2/NDF : 435.3/18

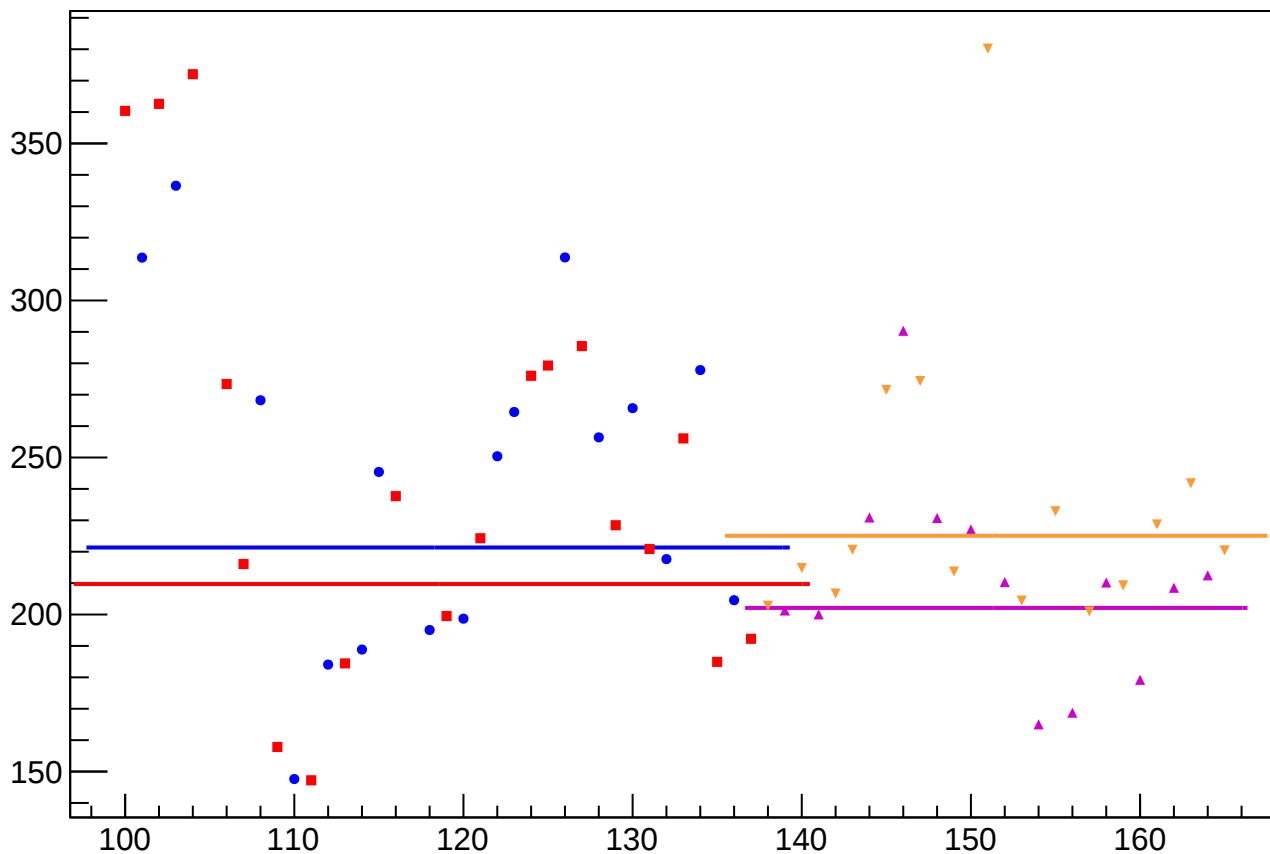
Left In: 598.803+/-64.899 χ^2/NDF : 1510.1/12

+ sign -2.661+/-54.416 χ^2/NDF : 1131.2/31

All: 366.654+/-37.191 χ^2/NDF : 3168.2/63

- 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: 225.080 $\pm$ 0.049 χ^2 /NDF: 436424.1/14

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

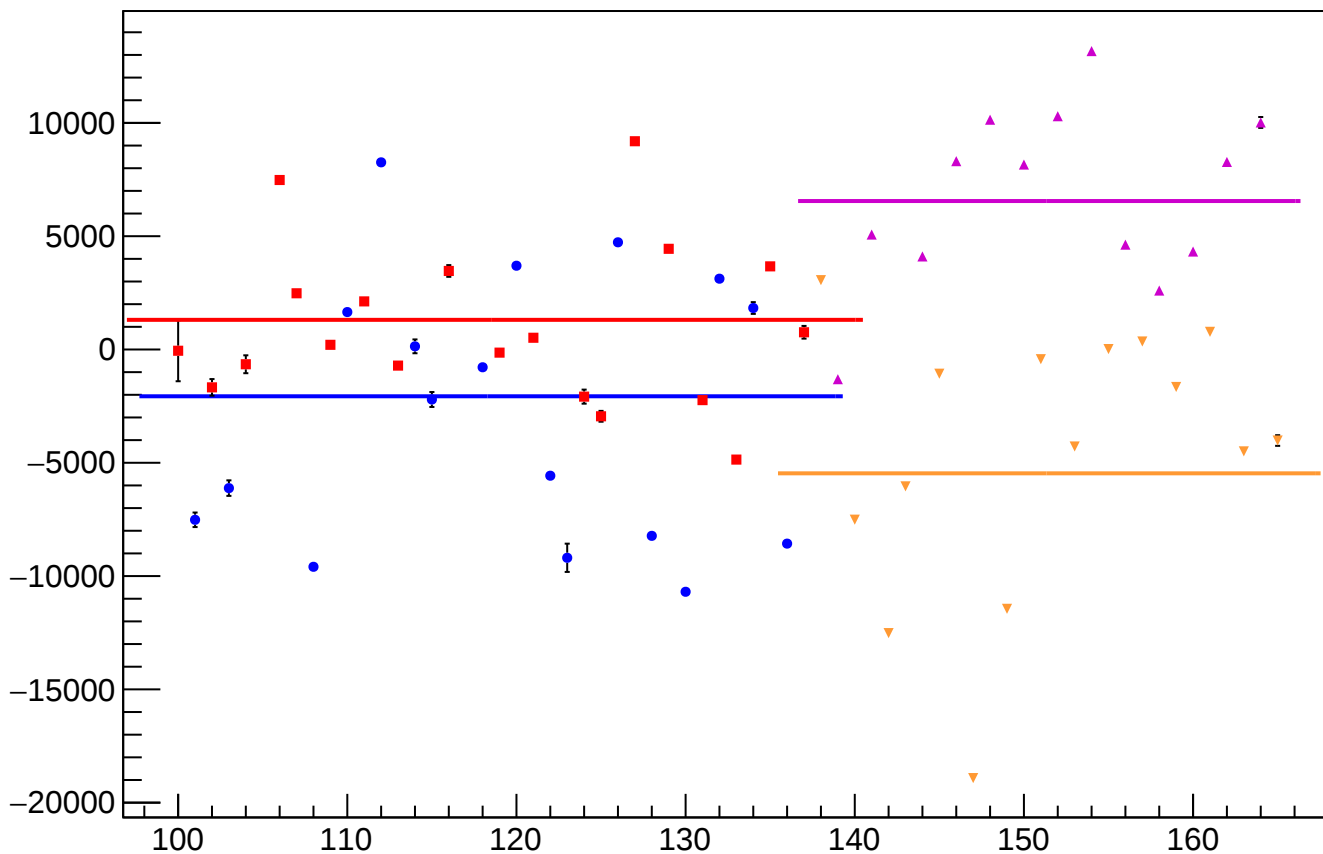
Left In: 202.105 $\pm$ 0.046 χ^2 /NDF: 395549.0/12

+ sign 223.671 $\pm$ 0.038 χ^2 /NDF: 1084328.3/31

All: 213.735 $\pm$ 0.026 χ^2 /NDF: 2499485.1/63

- 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: -5465.639 ± 37.971 χ^2/NDF : 28201.0/14

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

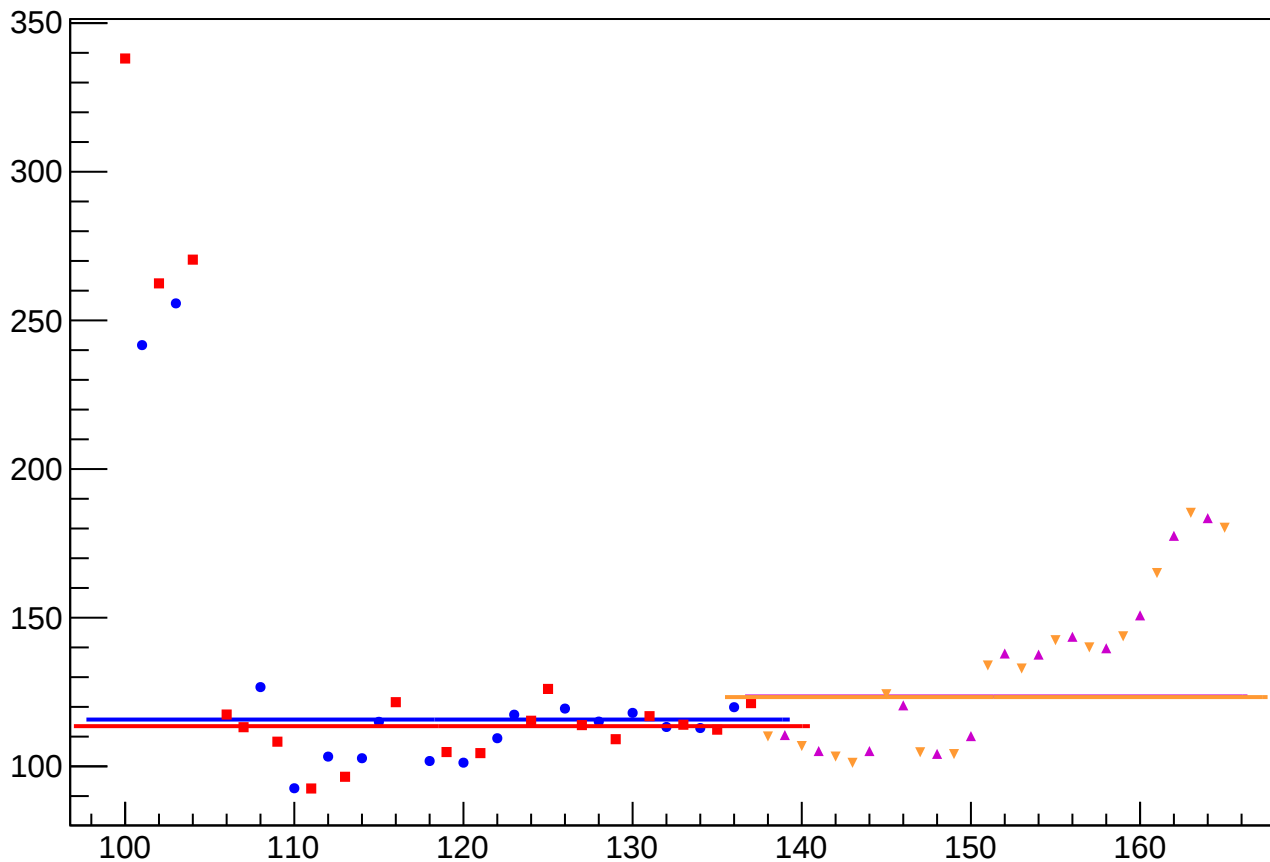
Left In: 6551.895 ± 39.417 χ^2/NDF : 8962.2/12

+ sign -4133.794 ± 29.616 χ^2/NDF : 47875.5/31

All: 65.821 ± 20.954 χ^2/NDF : 110679.2/63

- sign 4275.499 ± 29.651 χ^2/NDF : 22538.8/31

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 123.295 $\pm$ 0.027 χ^2 /NDF: 738157.9/14

Right Out: 113.519 $\pm$ 0.032 χ^2 /NDF: 796640.6/18

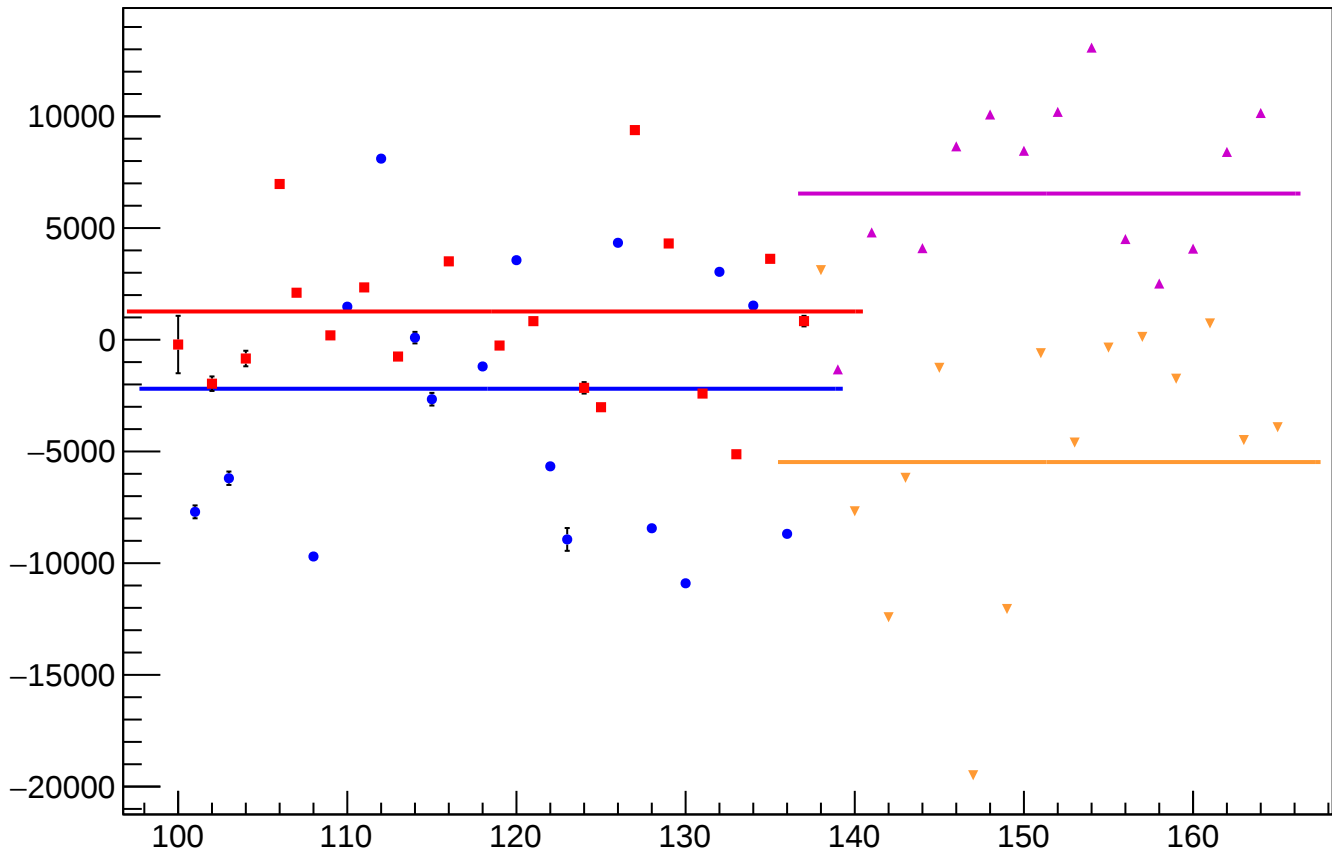
Left In: 123.514 $\pm$ 0.028 χ^2 /NDF: 604912.3/12

+ sign 120.336 $\pm$ 0.021 χ^2 /NDF: 1513181.7/31

All: 119.756 $\pm$ 0.015 χ^2 /NDF: 2972094.3/63

- sign 119.175 $\pm$ 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: -5473.846+/-34.349 χ^2/NDF : 34284.7/14

Right Out: 1266.189+/-38.048 χ^2/NDF : 8550.5/18

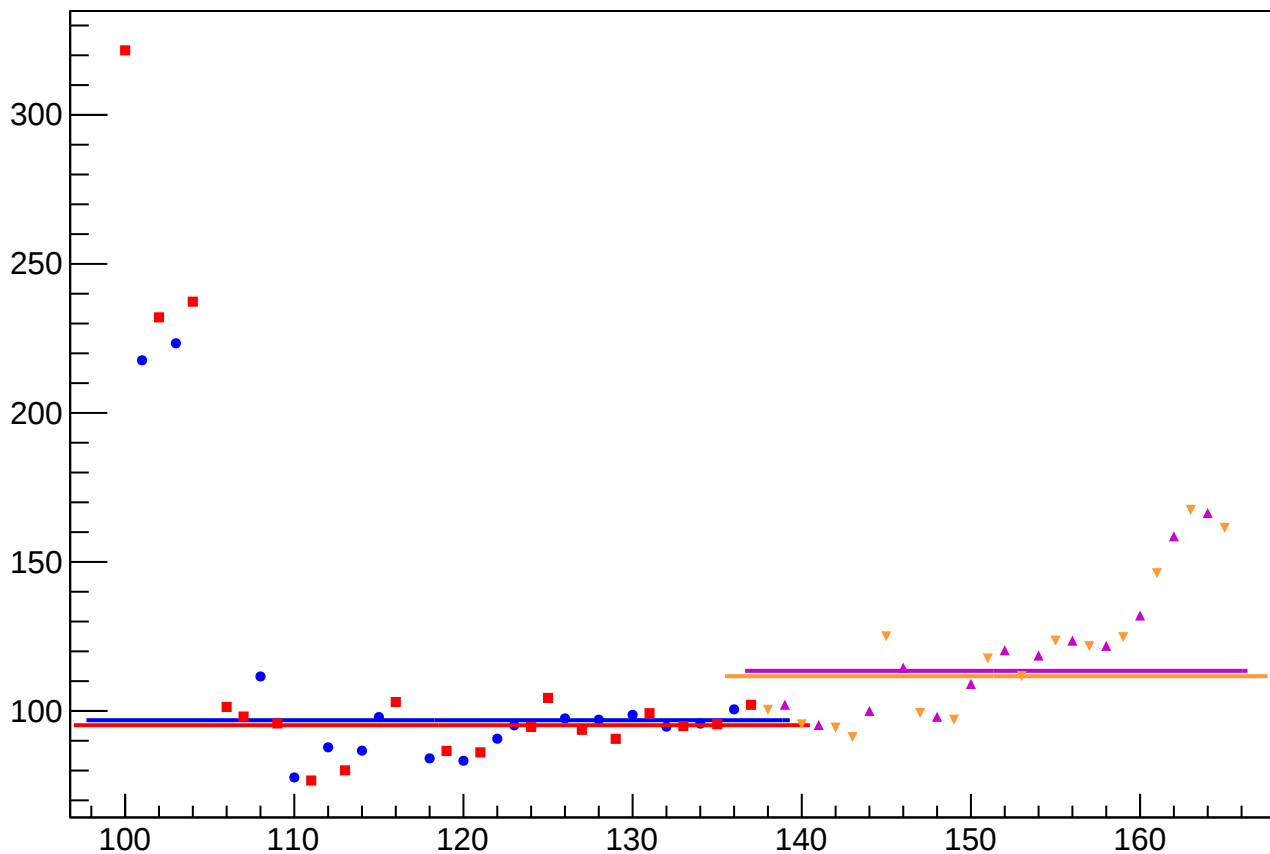
Left In: 6544.073+/-36.103 χ^2/NDF : 11202.0/12

+ sign -4078.827+/-26.044 χ^2/NDF : 60978.2/31

All: -40.334+/-18.467 χ^2/NDF : 139216.6/63

- 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: 111.655+/-0.024 χ^2/NDF : 641531.6/14

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

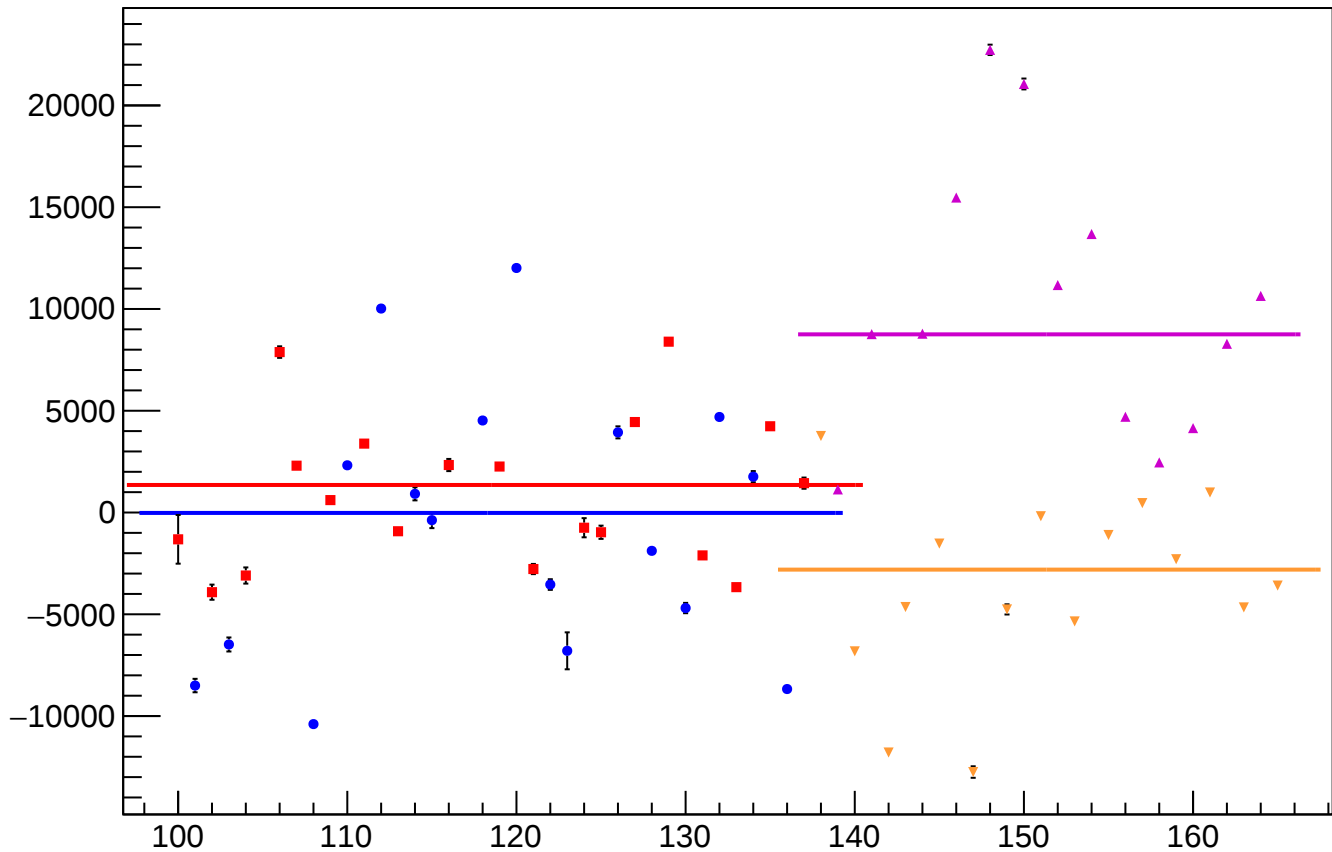
Left In: 113.459+/-0.026 χ^2/NDF : 447435.3/12

+ sign 105.380+/-0.018 χ^2/NDF : 1615773.8/31

All: 105.099+/-0.013 χ^2/NDF : 3165487.8/63

- 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: -2805.496 ± 48.190 χ^2/NDF : 6718.0/14

Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

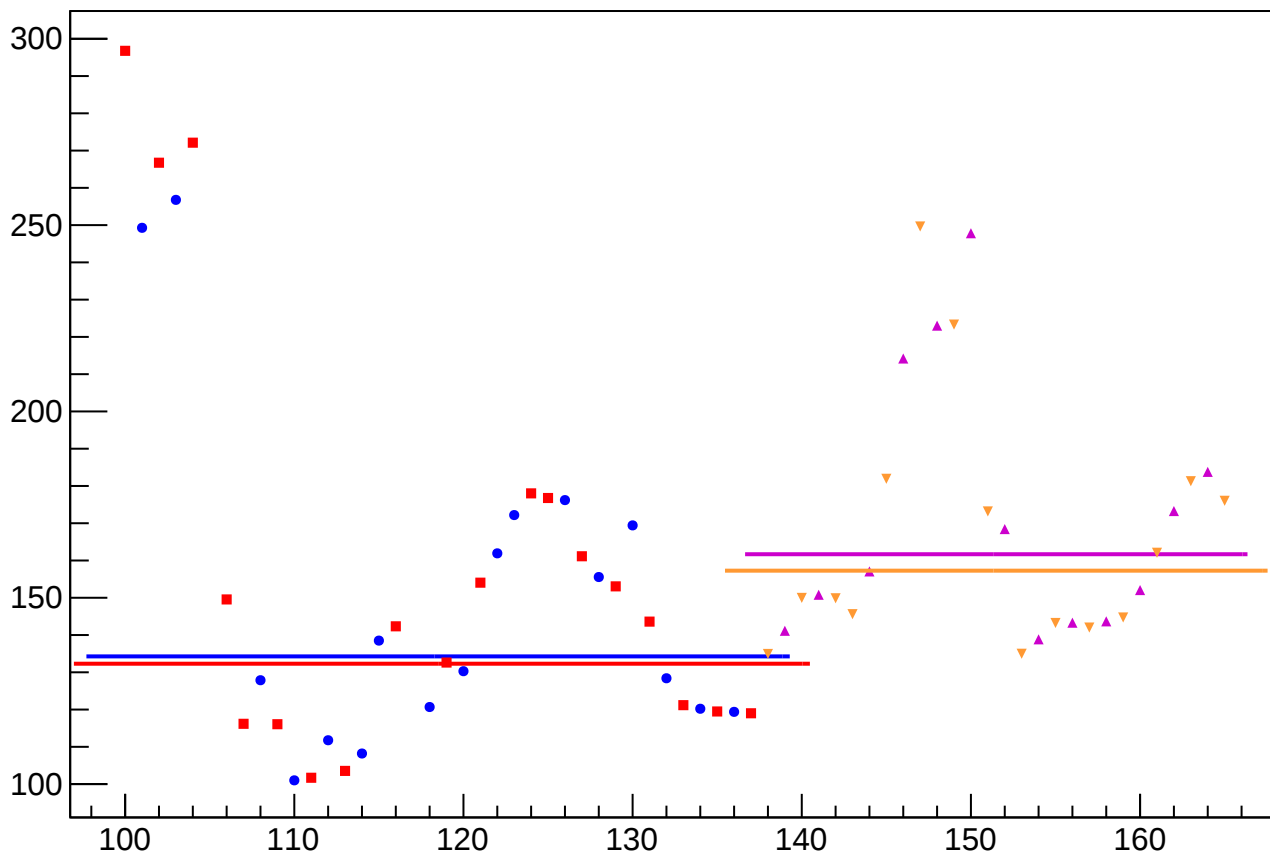
Left In: 8753.420 ± 51.649 χ^2/NDF : 12018.8/12

+ sign -1586.878 ± 36.143 χ^2/NDF : 24540.8/31

All: 1701.014 ± 25.777 χ^2/NDF : 67360.9/63

- sign 5104.497 ± 36.772 χ^2/NDF : 25978.1/31

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 157.272 $\pm$ 0.034 χ^2 /NDF: 576540.6/14

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

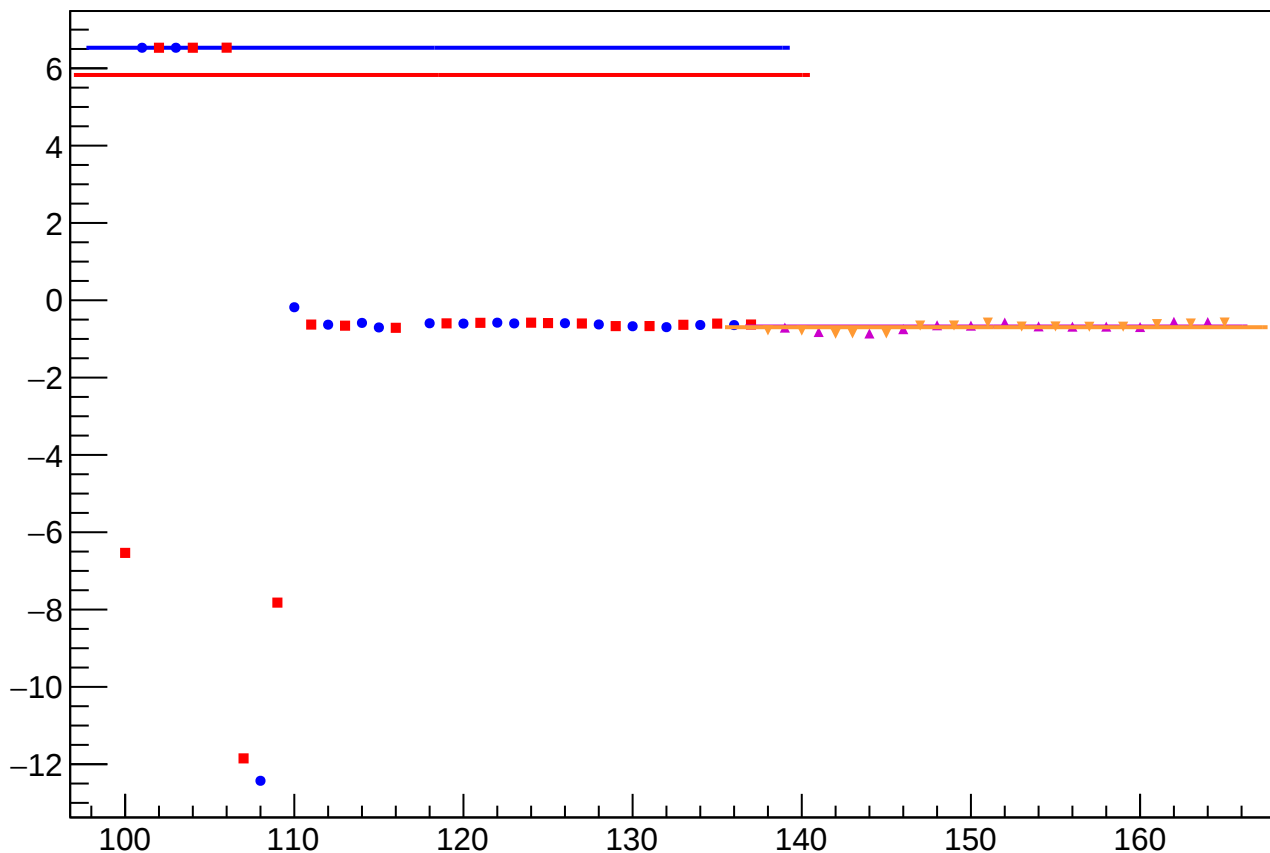
Left In: 161.683 $\pm$ 0.037 χ^2 /NDF: 588336.5/12

+ sign 147.208 $\pm$ 0.026 χ^2 /NDF: 1564578.5/31

All: 147.202 $\pm$ 0.018 χ^2 /NDF: 3341948.9/63

- sign 147.196 $\pm$ 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: -0.697 $\pm$ 0.000 χ^2 /NDF: 104830553.5/14

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755948646460090.5/18

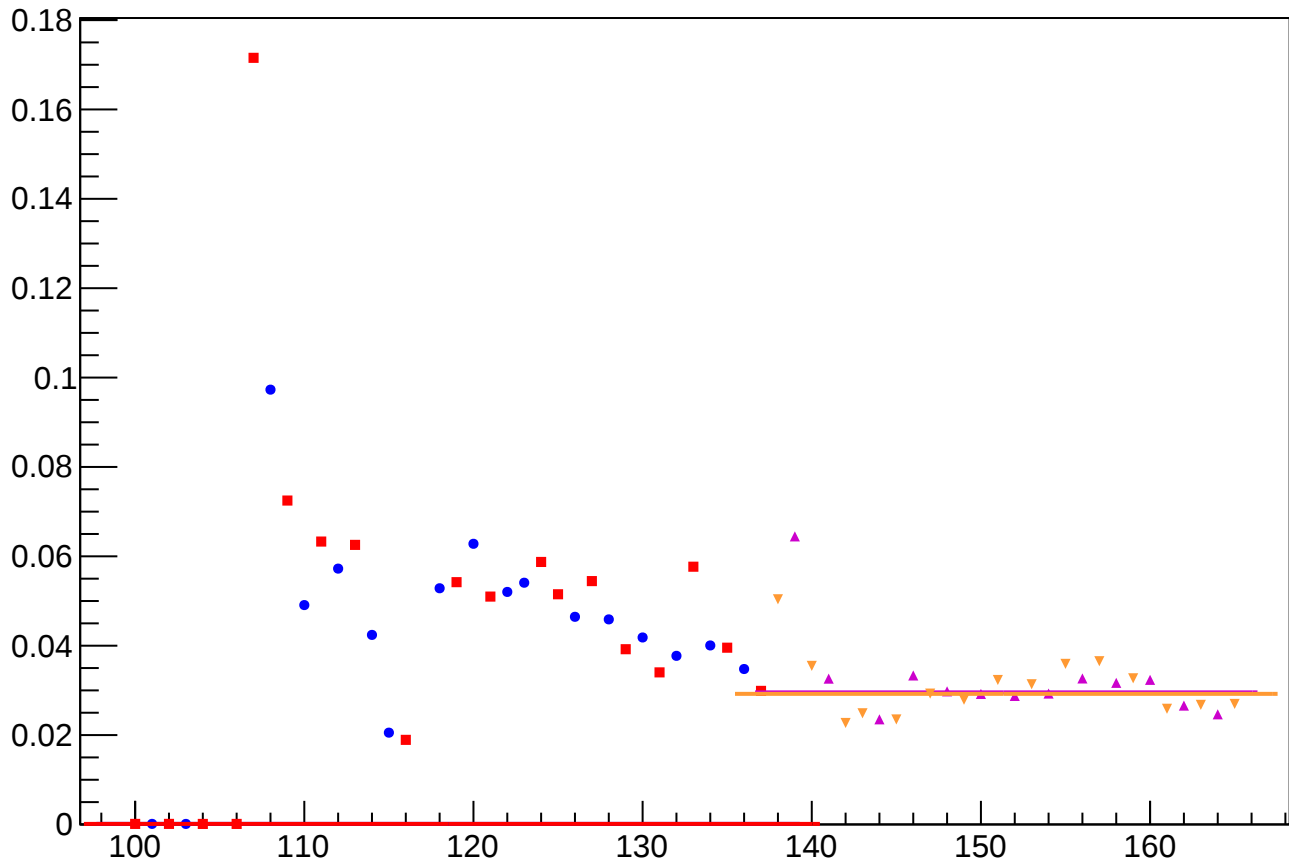
Left In: -0.678 $\pm$ 0.000 χ^2 /NDF: 84903387.2/12

+ sign 6.531 $\pm$ 0.000 χ^2 /NDF: 664215049824.1/31

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 7770000093448

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756345998184399.9/

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 : 569569.1/14

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

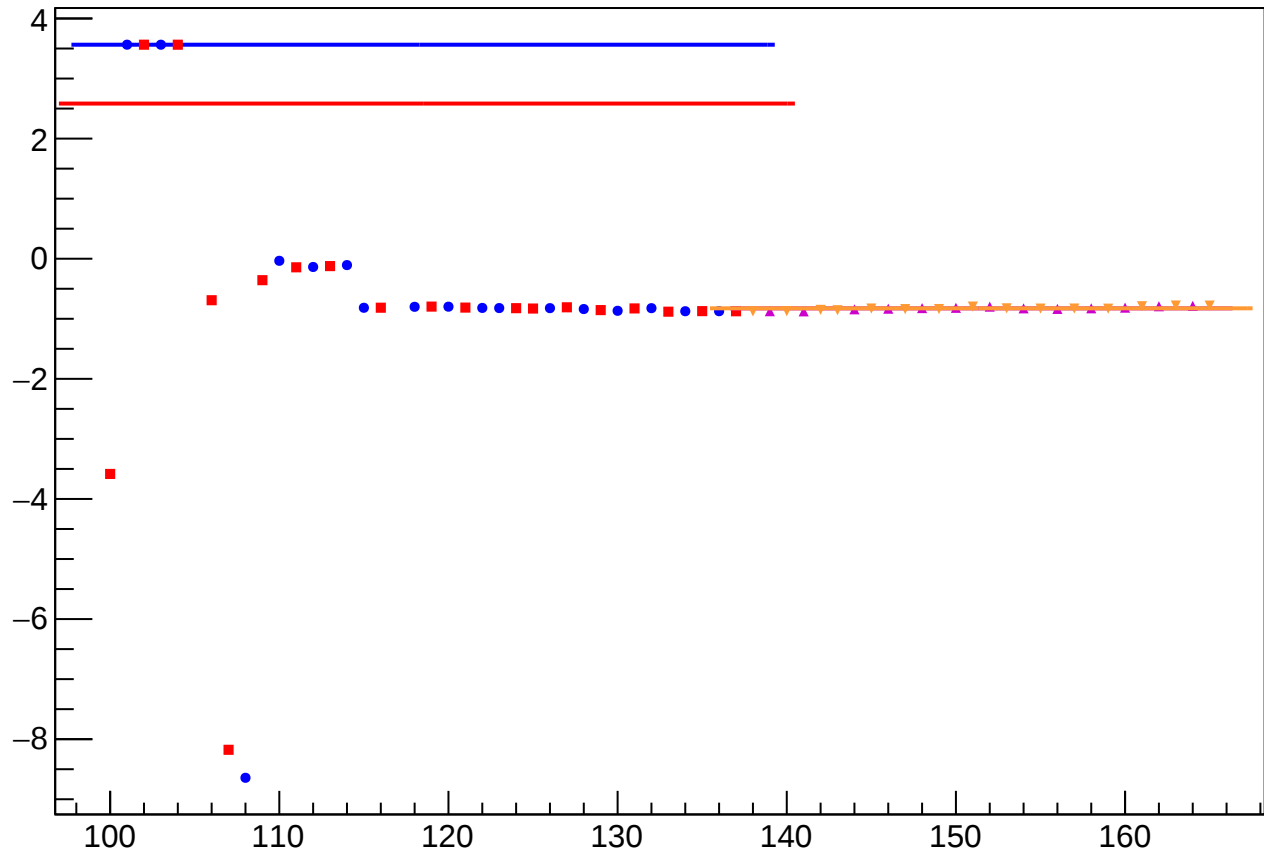
Left In: 0.030+/-0.000 χ^2/NDF : 578970.3/12

+ sign 0.000+/-0.000 χ^2/NDF : 26978388.9/31

All: 0.000+/-0.000 χ^2/NDF : 53193387.6/63

- sign 0.000+/-0.000 χ^2/NDF : 26214480.2/31

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2 /NDF: 486958795673.0/16

Left Out: -0.826 $\pm$ 0.000 χ^2 /NDF: 122713701.2/14

Right Out: 2.583 $\pm$ 0.000 χ^2 /NDF: 1253505323583154.2/18

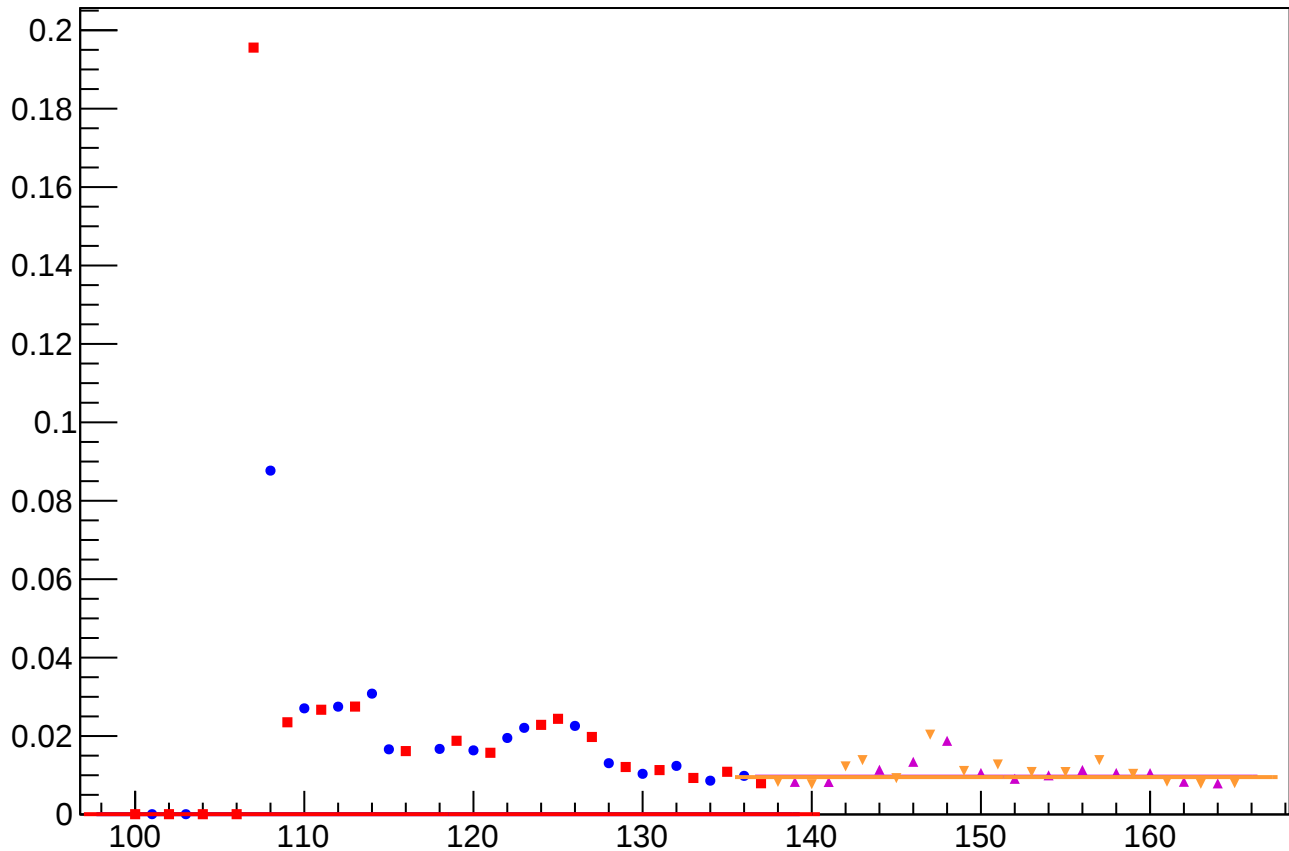
Left In: -0.827 $\pm$ 0.000 χ^2 /NDF: 90317119.8/12

+ sign 3.562 $\pm$ 0.000 χ^2 /NDF: 2305215051659.8/31

All: 3.039 $\pm$ 0.000 χ^2 /NDF: 13849628304830

- sign 2.582 $\pm$ 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 : 1015113.9/14

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

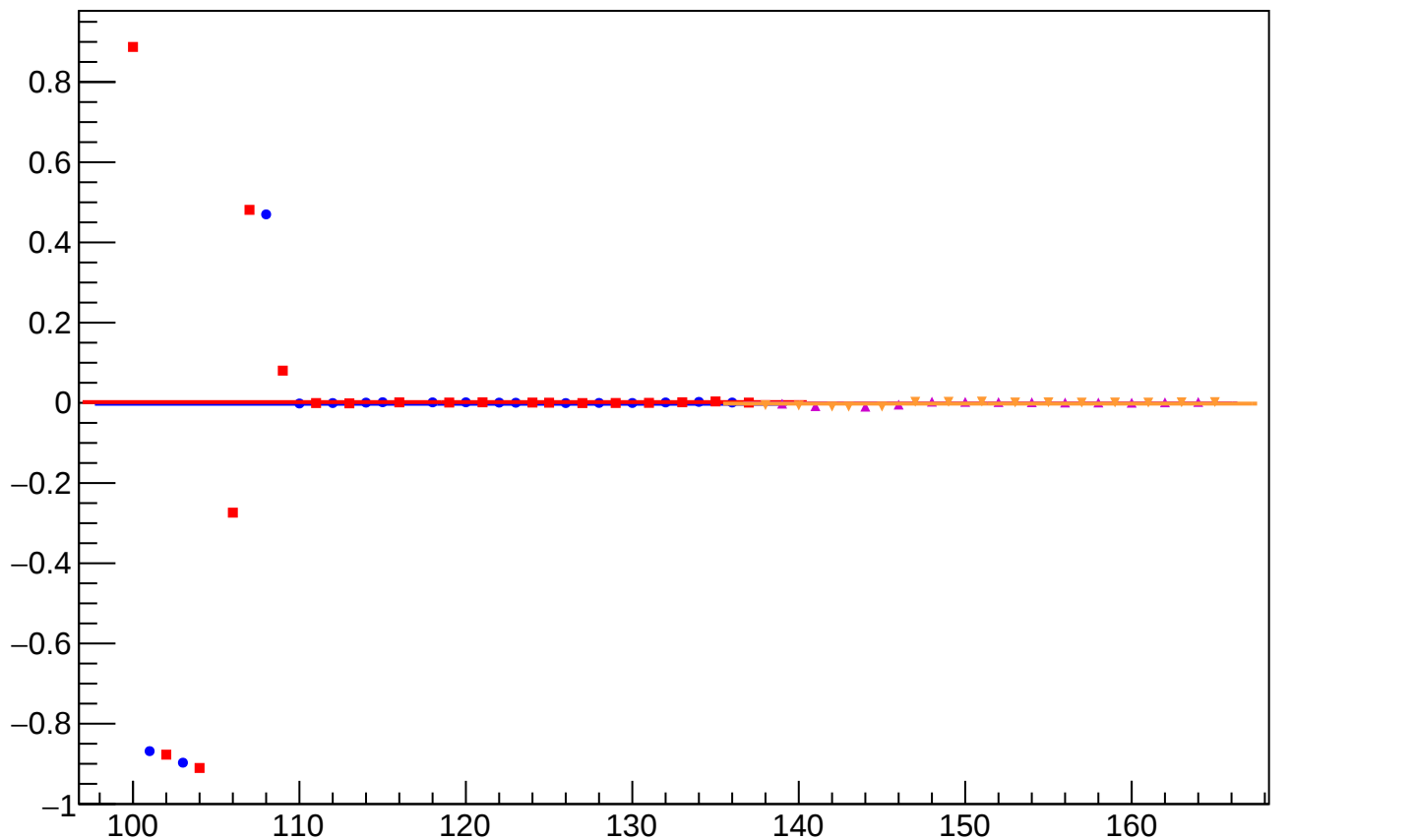
Left In: 0.010+/-0.000 χ^2/NDF : 672153.9/12

+ sign 0.000+/-0.000 χ^2/NDF : 27745823.9/31

All: 0.000+/-0.000 χ^2/NDF : 54077698.2/63

- 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: 88972275.8/14

Right Out: 0.002+/-0.000 χ^2 /NDF: 3041331104.7/18

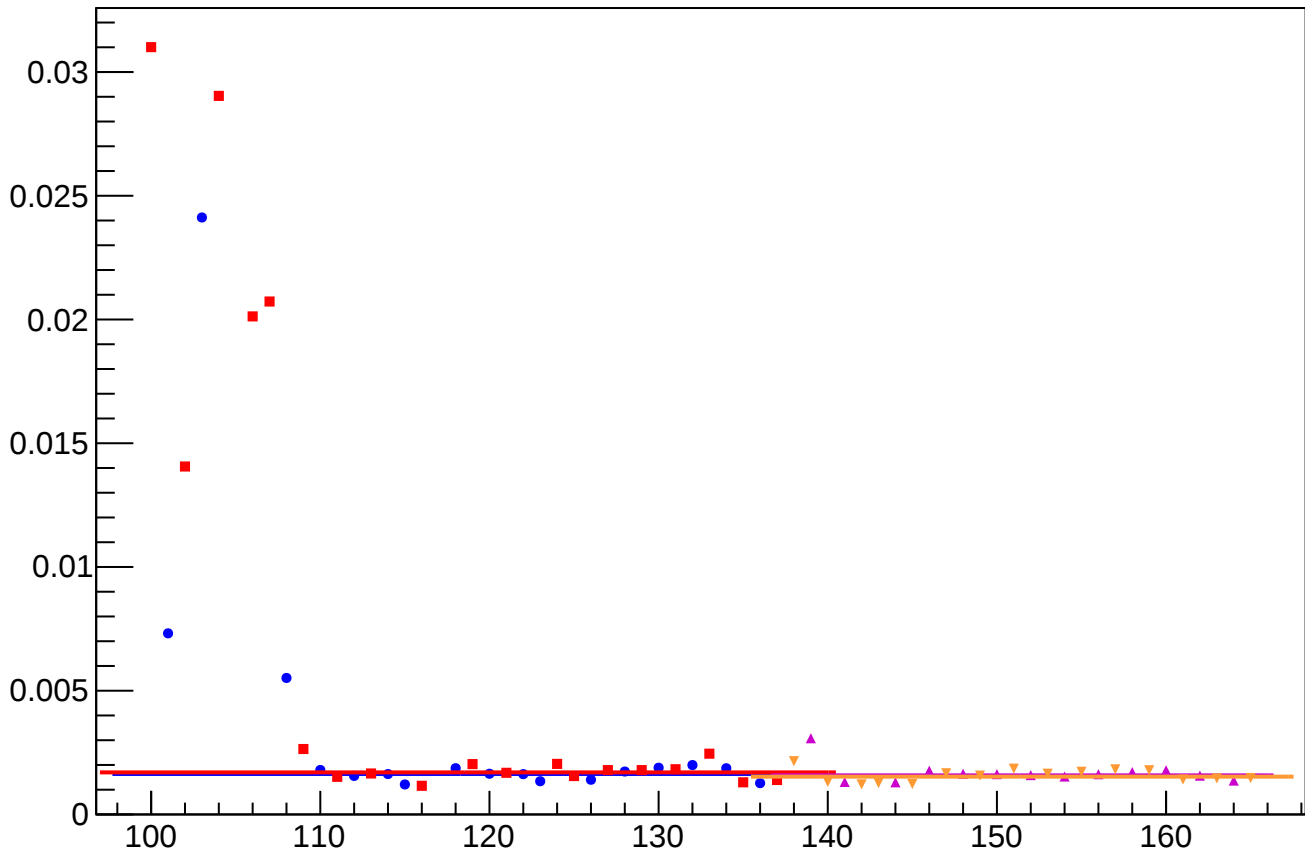
Left In: -0.001+/-0.000 χ^2 /NDF: 63463415.9/12

+ sign -0.002+/-0.000 χ^2 /NDF: 9884537462.1/31

All: -0.001+/-0.000 χ^2 /NDF: 13007589846.9/31

- 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 : 419378.7/14

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 3025332.9/18

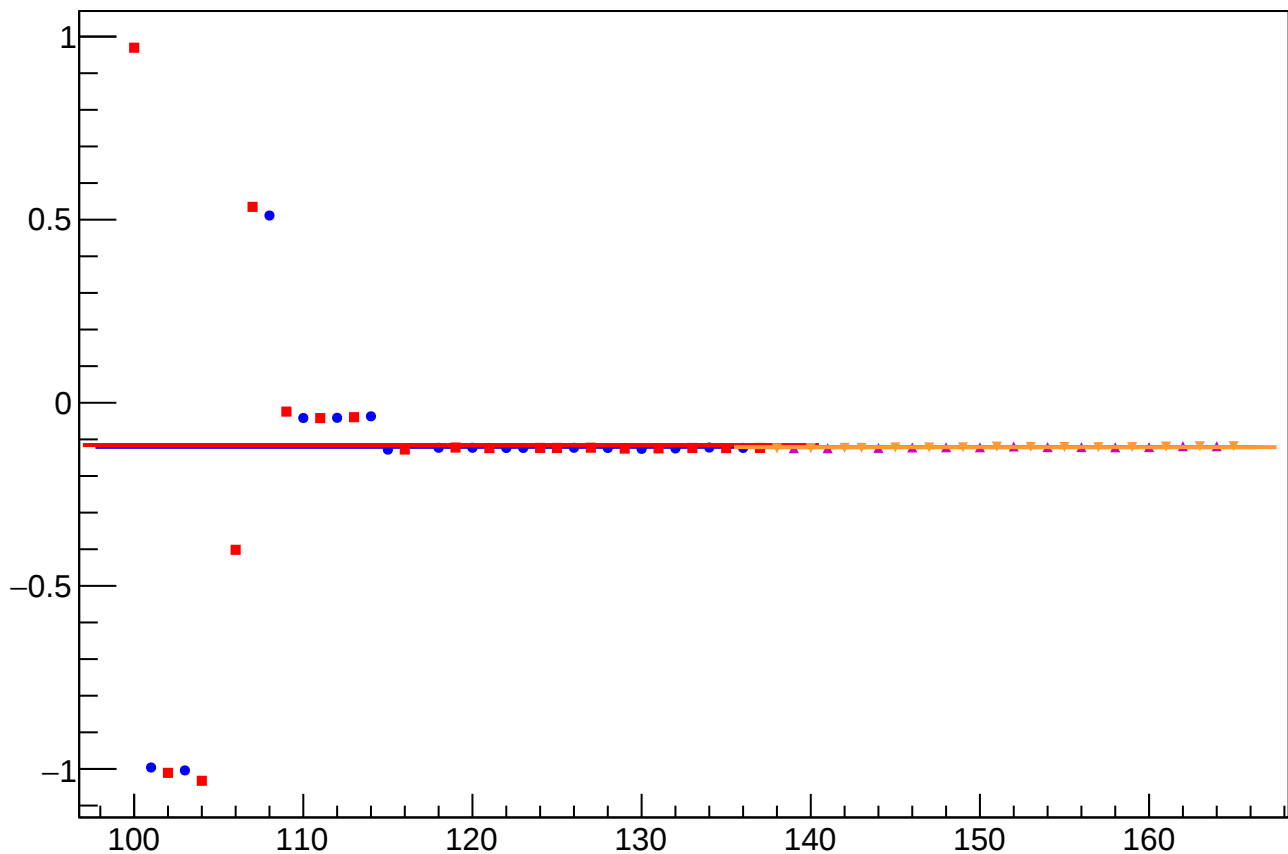
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 497268.1/12

+ sign 0.002 $\pm$ 0.000 χ^2/NDF : 2365909.8/31

All: 0.002 $\pm$ 0.000 χ^2/NDF : 5935006.0/63

- 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 : 24779517.6/14

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

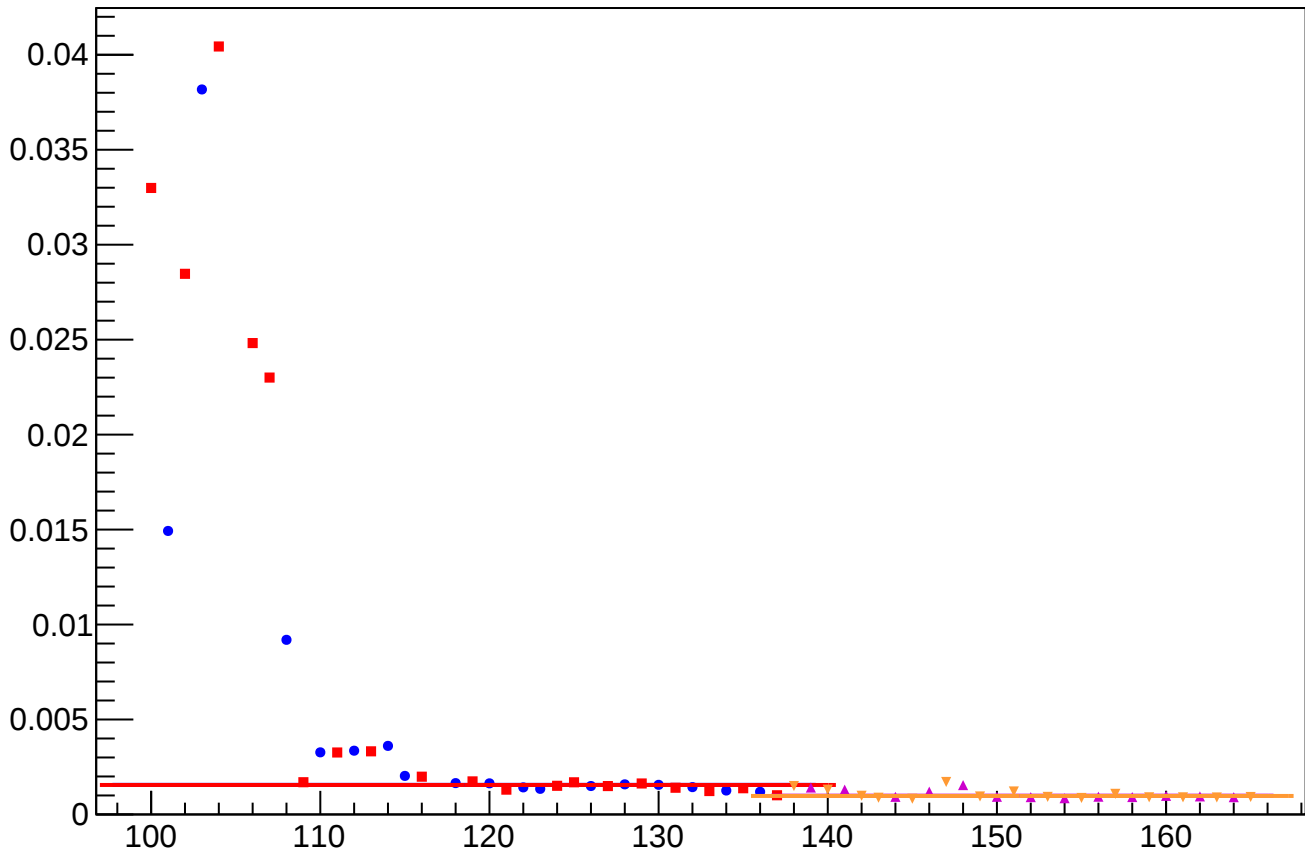
Left In: -0.121+/-0.000 χ^2/NDF : 23691611.8/12

+ sign -0.121+/-0.000 χ^2/NDF : 3958006604.5/31

All: -0.121+/-0.000 χ^2/NDF : 6493415194.5/6

- 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: 716060.2/14

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

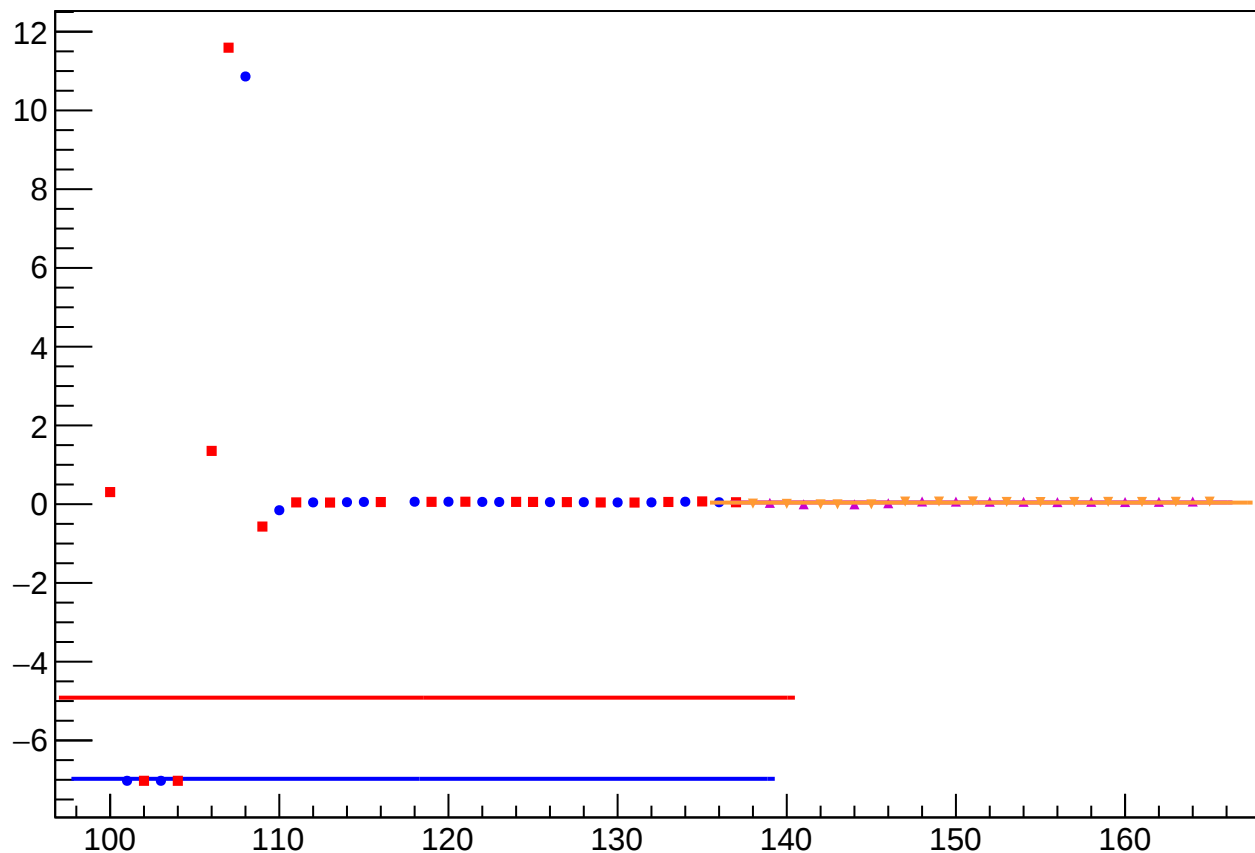
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 529768.9/12

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4720493.9/31

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 9800375.9/63

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5075565.8/31

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2 /NDF: 8787948713830.4/16

Left Out: 0.040+/-0.000 χ^2 /NDF: 91160179.7/14

Right Out: -4.914+/-0.000 χ^2 /NDF: 365362215369689.4/18

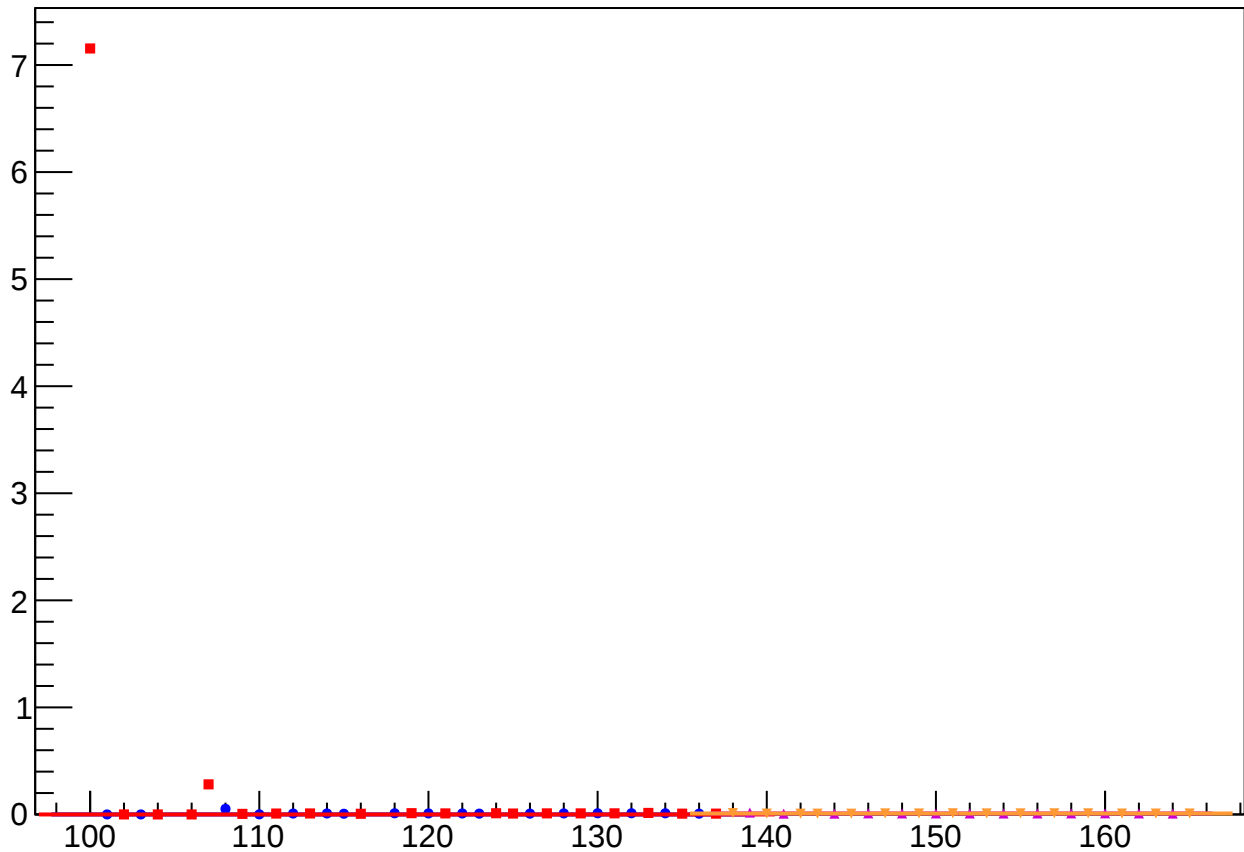
Left In: 0.044+/-0.000 χ^2 /NDF: 70637390.1/12

+ sign -6.945+/-0.000 χ^2 /NDF: 14044312793124.2/16

All: -5.877+/-0.000 χ^2 /NDF: 4374479335222.4/16

- sign -4.897+/-0.000 χ^2 /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 : 411797.2/14

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

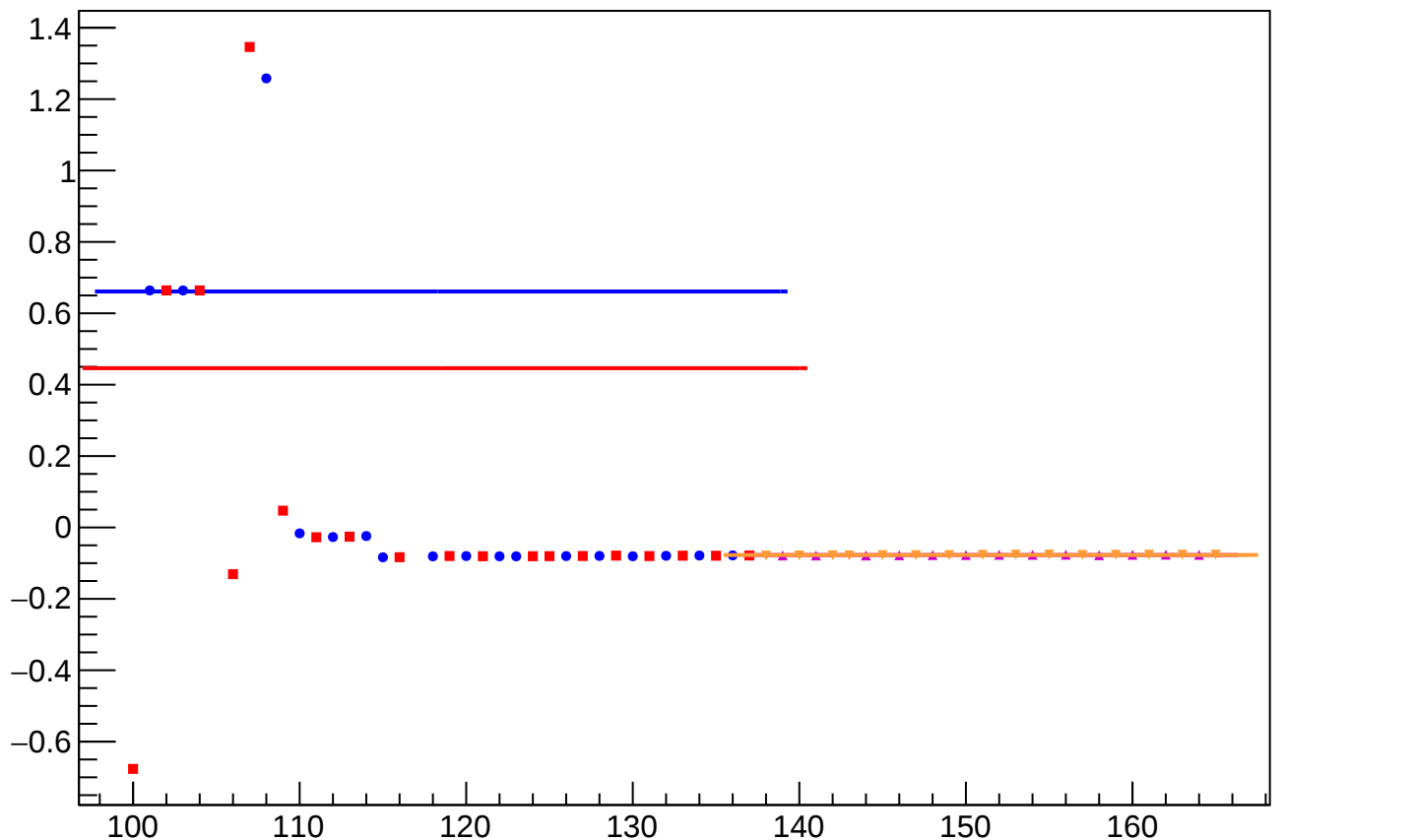
Left In: 0.009+/-0.000 χ^2/NDF : 492721.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 25475824.9/31

All: 0.000+/-0.000 χ^2/NDF : 50534722.2/63

- 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 : 27342206.4/14

Right Out: 0.446+/-0.000 χ^2/NDF : 405428604683882.5/18

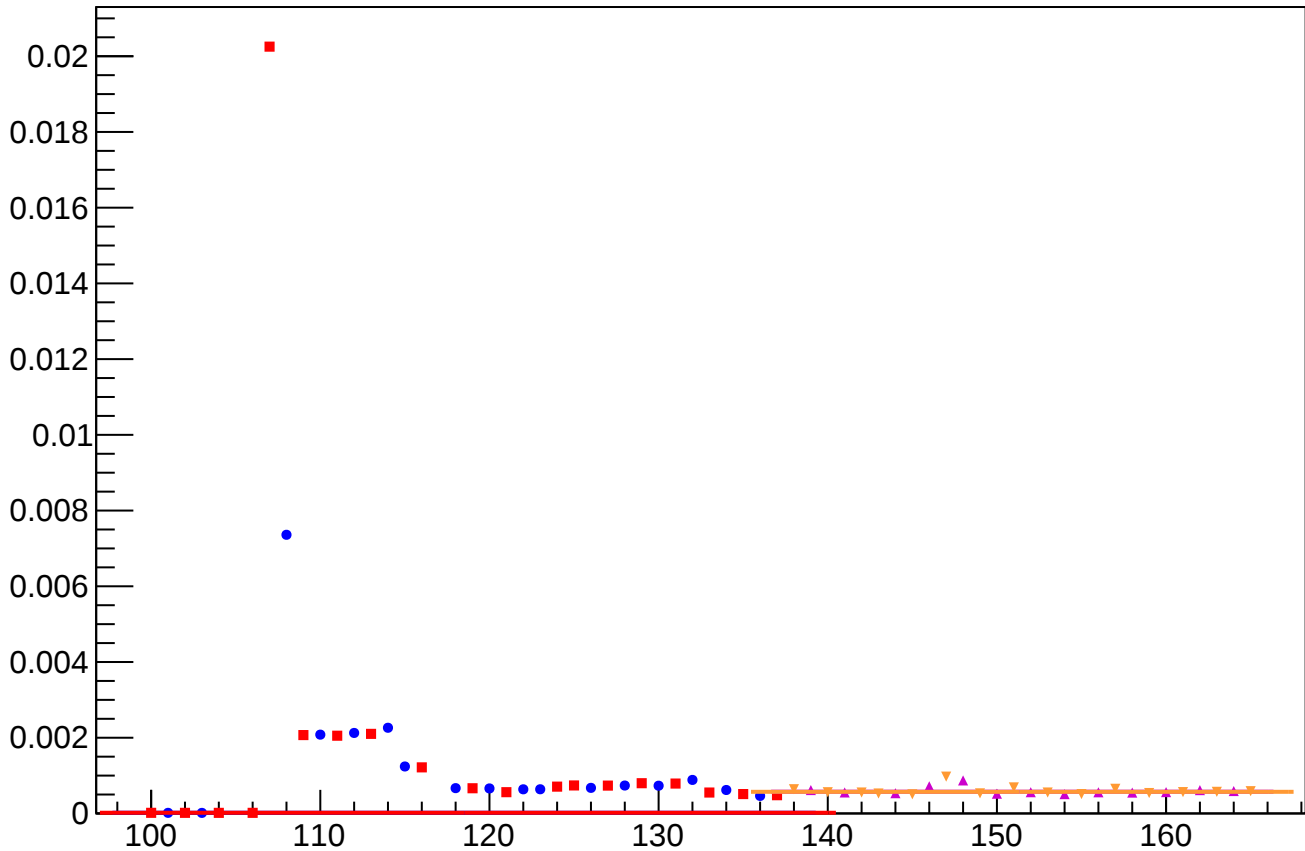
Left In: -0.077+/-0.000 χ^2/NDF : 19330788.5/12

+ sign 0.652+/-0.000 χ^2/NDF : 22885166476579.8/3

All: 0.542+/-0.000 χ^2/NDF : 49789186589543

- 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 : 407945.6/14

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

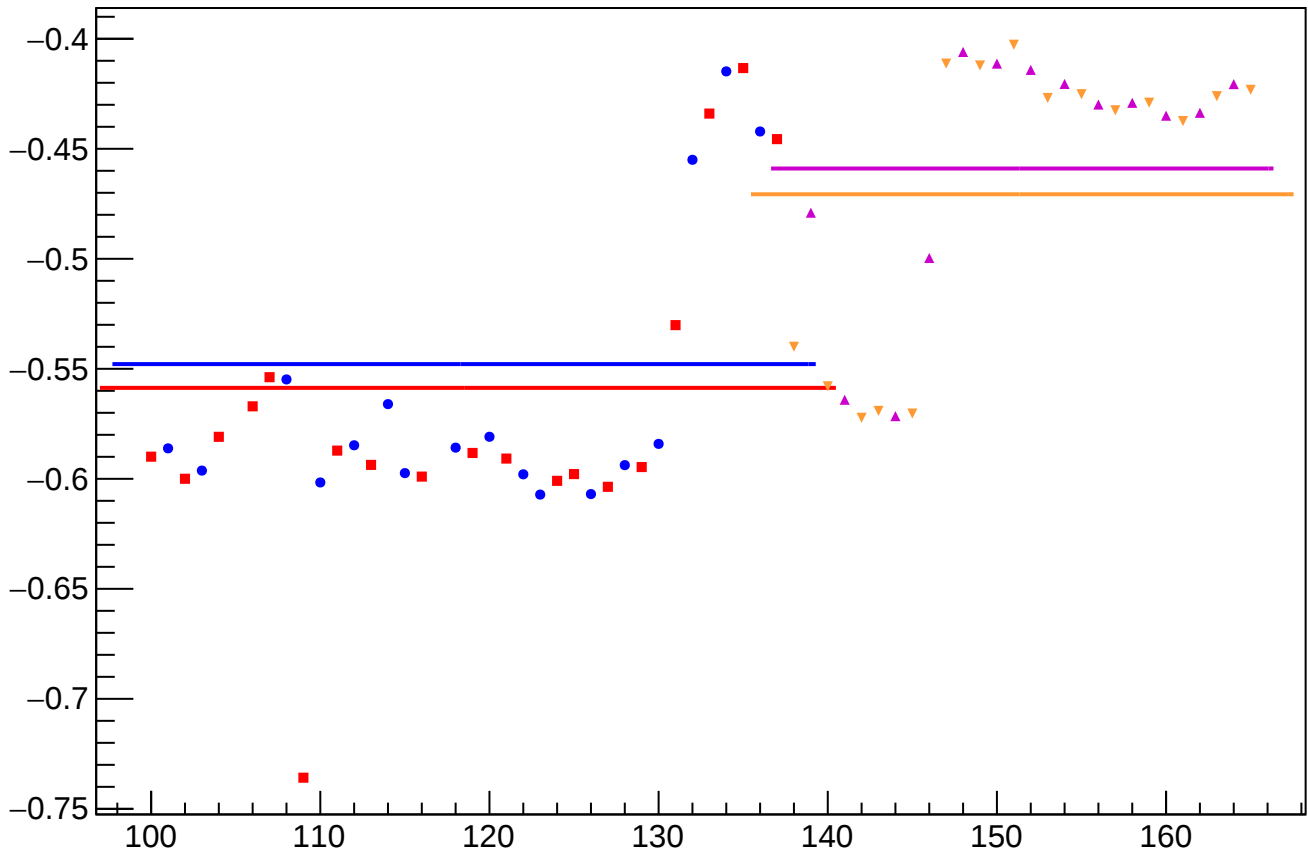
Left In: 0.001+/-0.000 χ^2/NDF : 312489.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 29720598.8/31

All: 0.000+/-0.000 χ^2/NDF : 57679520.7/63

- 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: -0.471+/-0.000 χ^2/NDF : 99399788.4/14

Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

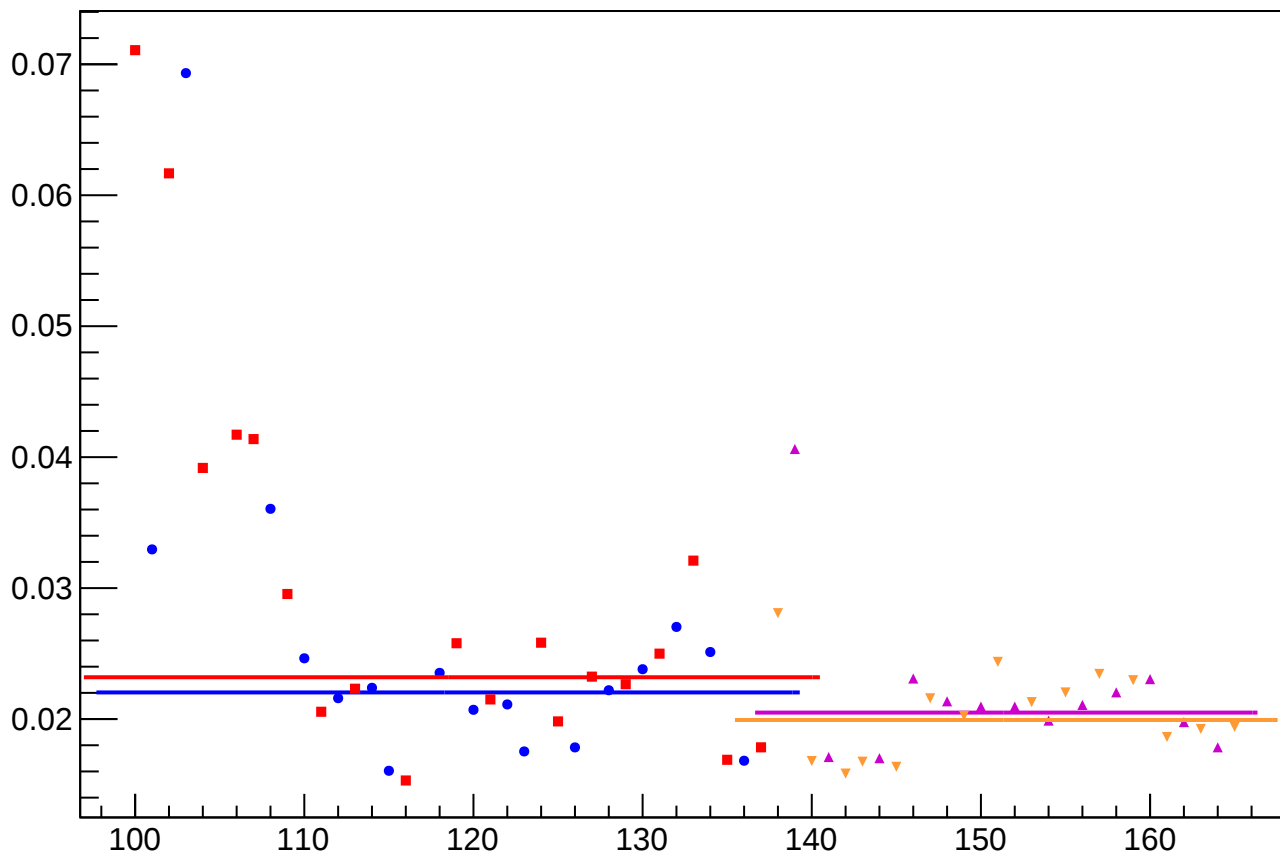
Left In: -0.459+/-0.000 χ^2/NDF : 71243884.5/12

+ sign -0.496+/-0.000 χ^2/NDF : 190326652.3/31

All: -0.494+/-0.000 χ^2/NDF : 392734944.1/63

- 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:392774.2/14

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156989.7/18

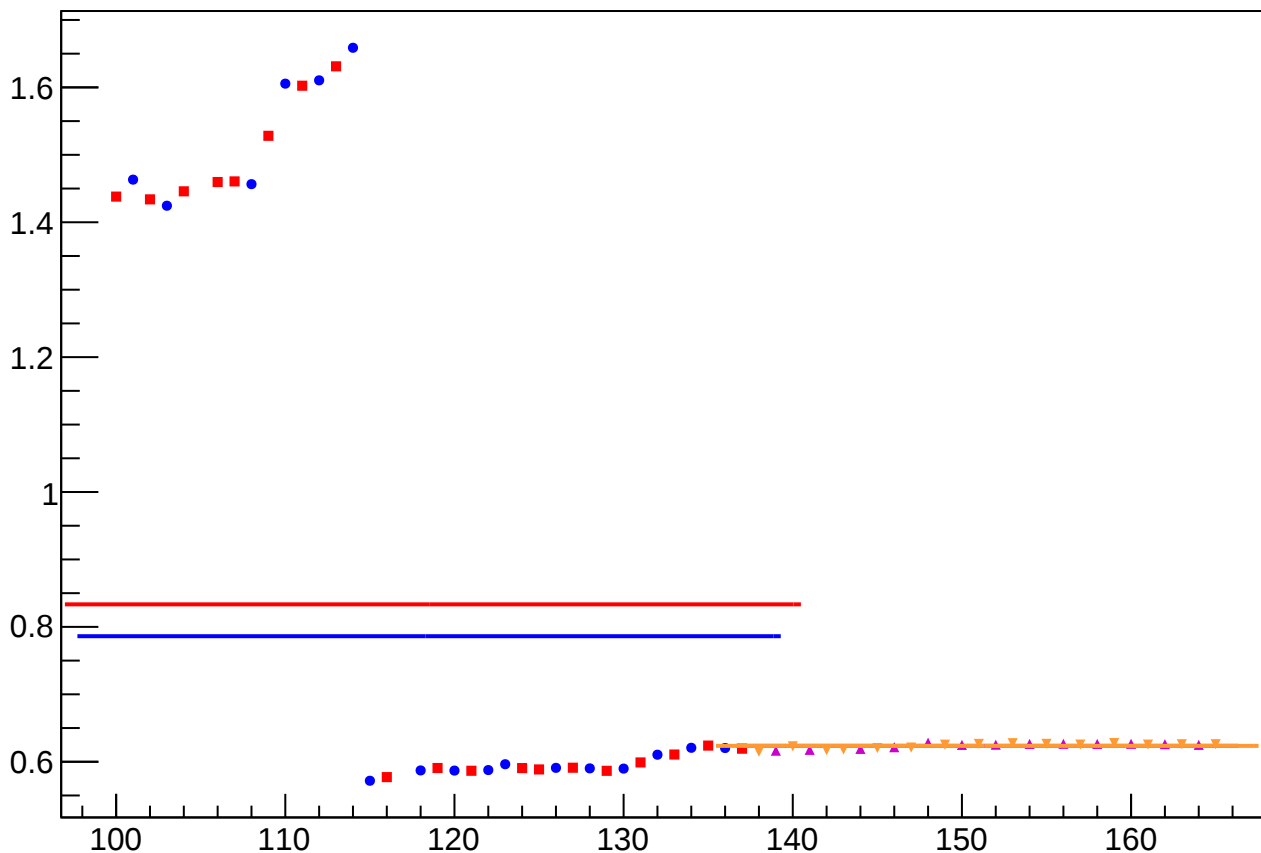
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:498714.9/12

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1414655.1/31

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3185505.3/63

- 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: 0.624 $\pm$ 0.000 χ^2 /NDF:1044181.9/14

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4156812252.4/18

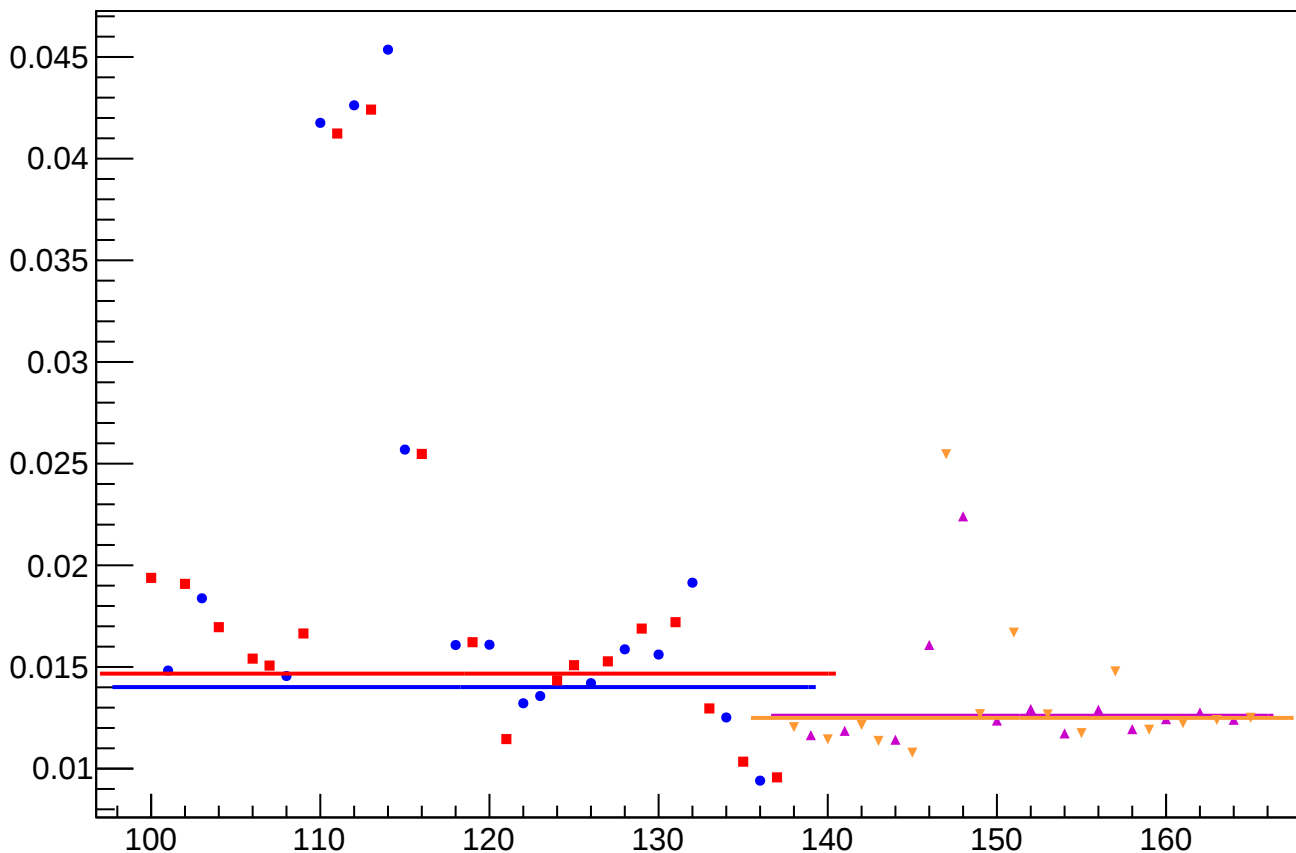
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:878745.5/12

+ sign 0.673 $\pm$ 0.000 χ^2 /NDF: 4125211099.1/31

All: 0.681 $\pm$ 0.000 χ^2 /NDF: 9141779052.8/63

- sign 0.689 $\pm$ 0.000 χ^2 /NDF: 5004265707.4/31

yield_bpm4aY_rms vs Slug



Right In: 0.014 ± 0.000 χ^2/NDF : 1404865.3/16

Left Out: 0.012 ± 0.000 χ^2/NDF : 588417.7/14

Right Out: 0.015 ± 0.000 χ^2/NDF : 1263462.0/18

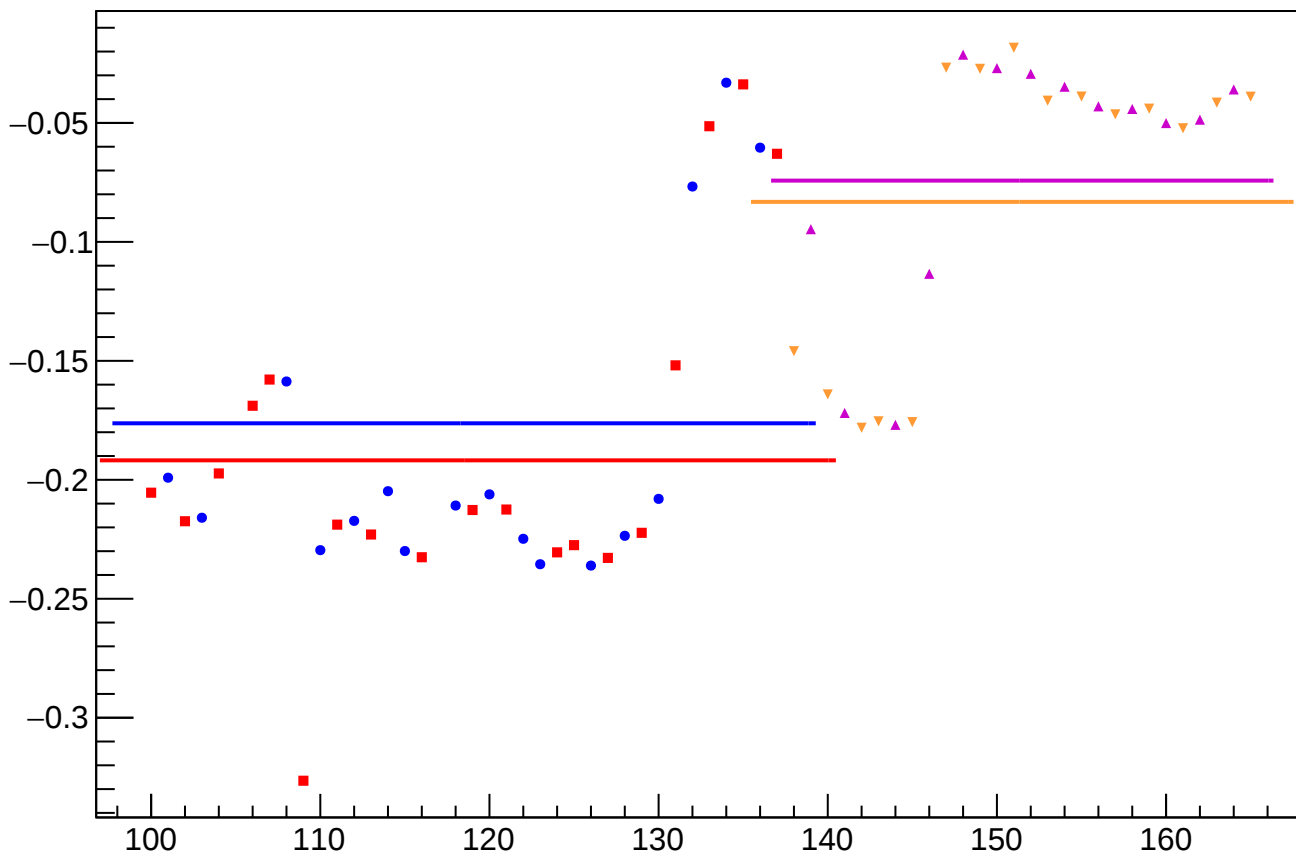
Left In: 0.013 ± 0.000 χ^2/NDF : 409559.6/12

+ sign 0.013 ± 0.000 χ^2/NDF : 2085944.7/31

All: 0.013 ± 0.000 χ^2/NDF : 3931826.0/63

- sign 0.013 ± 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: -0.083+/-0.000 χ^2/NDF : 95147728.5/14

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

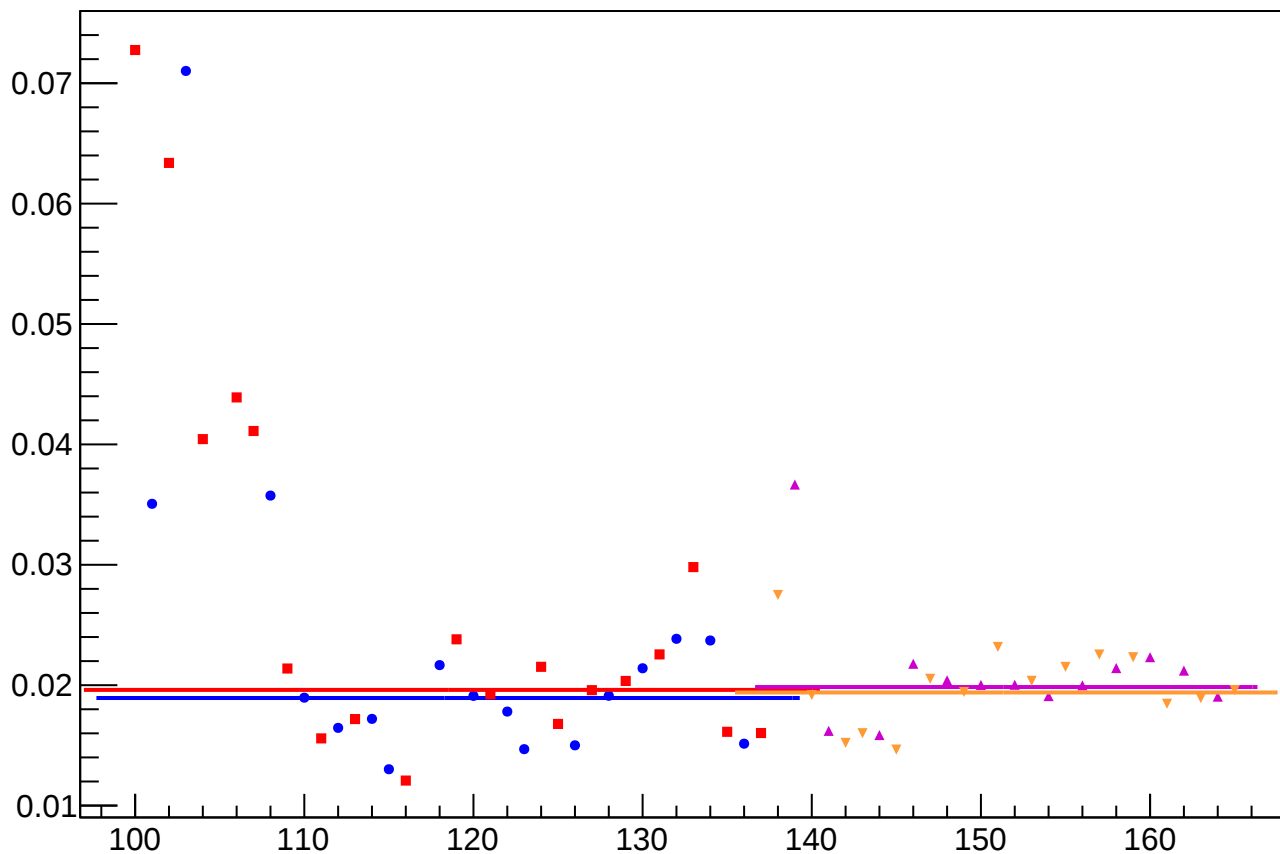
Left In: -0.074+/-0.000 χ^2/NDF : 71779314.2/12

+ sign -0.118+/-0.000 χ^2/NDF : 241116353.2/31

All: -0.119+/-0.000 χ^2/NDF : 510458763.9/63

- sign -0.120+/-0.000 χ^2/NDF : 269243925.5/31

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1205858.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 416915.0/14

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1457660.9/18

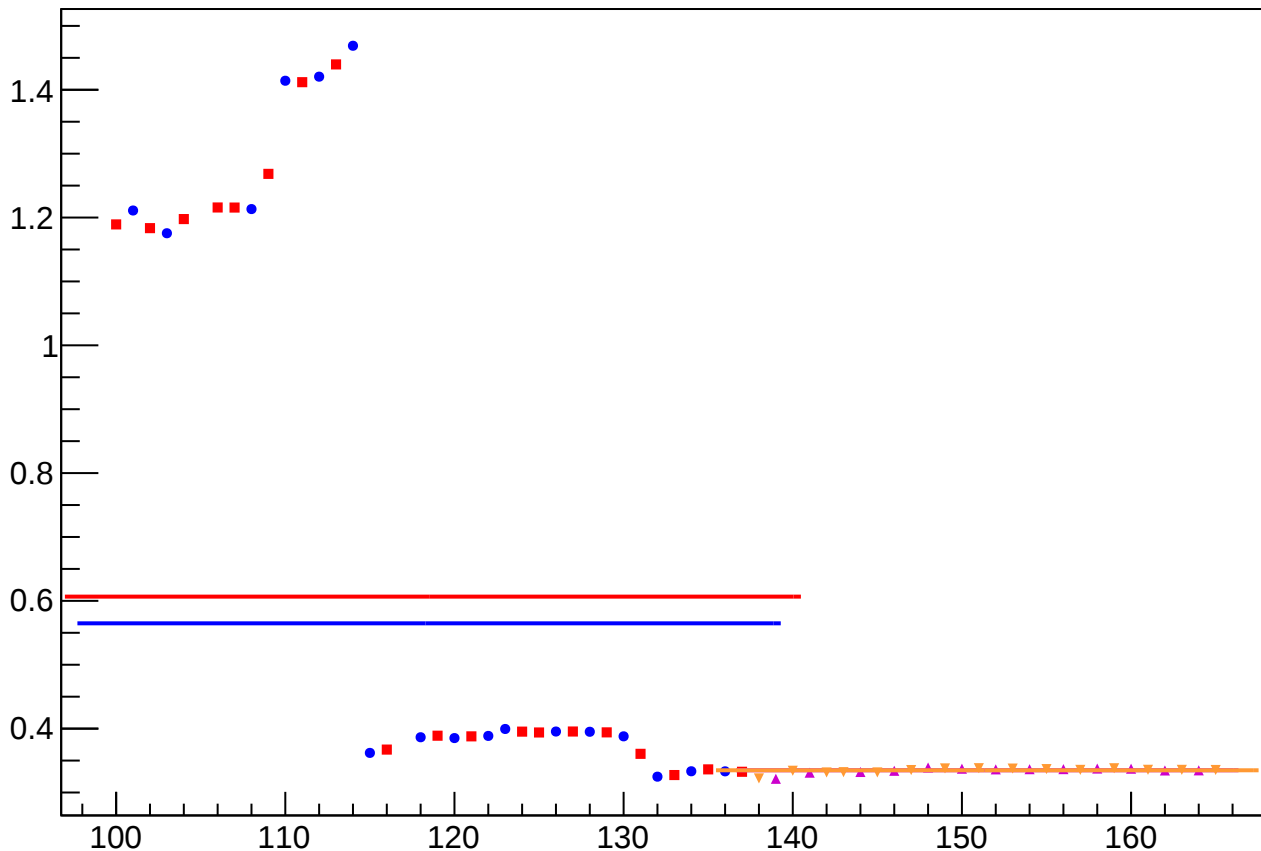
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 469163.9/12

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1626451.1/31

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3564349.6/63

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1927754.8/31

yield_bpm4eY_mean vs Slug



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1069510.4/14

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5513752213.8/18

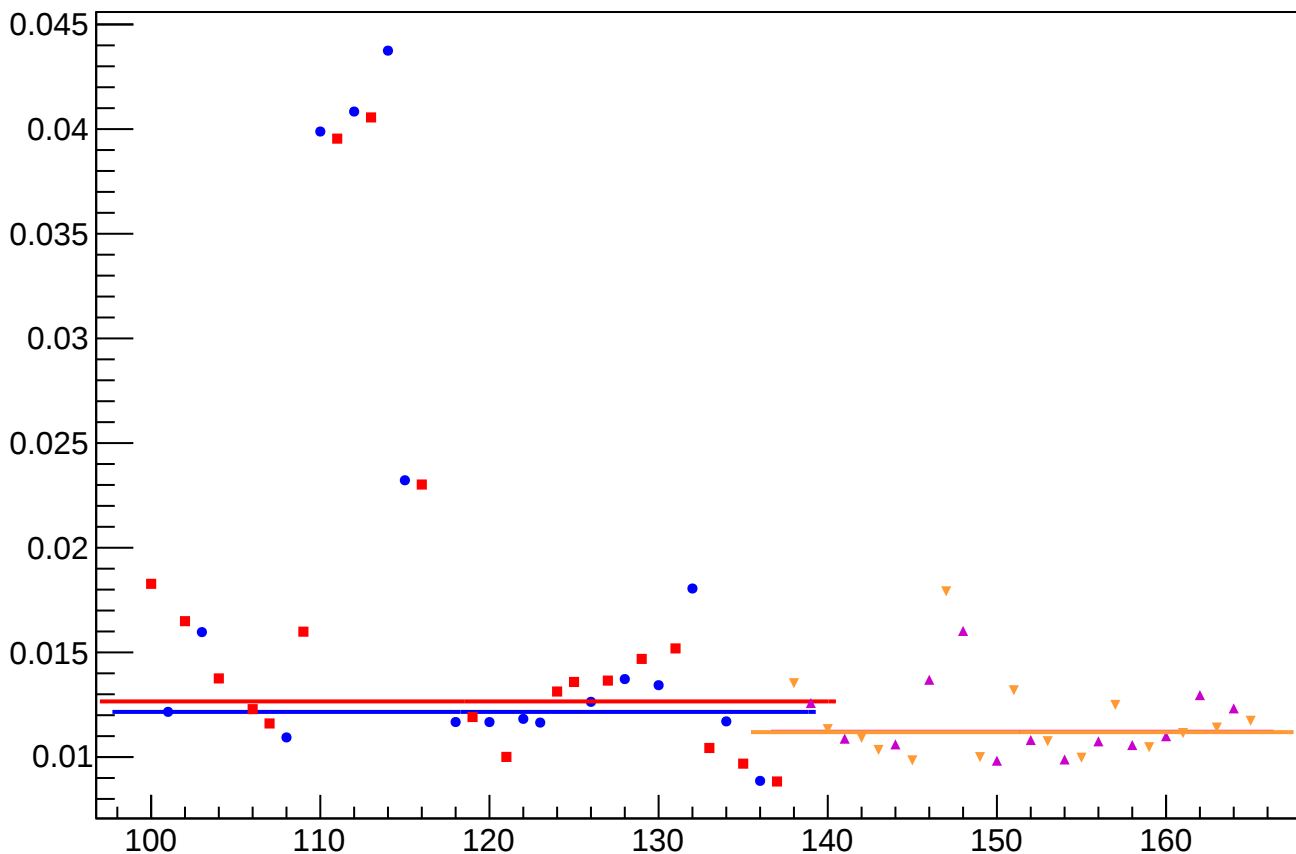
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1153944.2/12

+ sign 0.407 $\pm$ 0.000 χ^2 /NDF: 6421819656.8/31

All: 0.414 $\pm$ 0.000 χ^2 /NDF: 13794621459.0/6

- sign 0.422 $\pm$ 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:398117.4/14

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

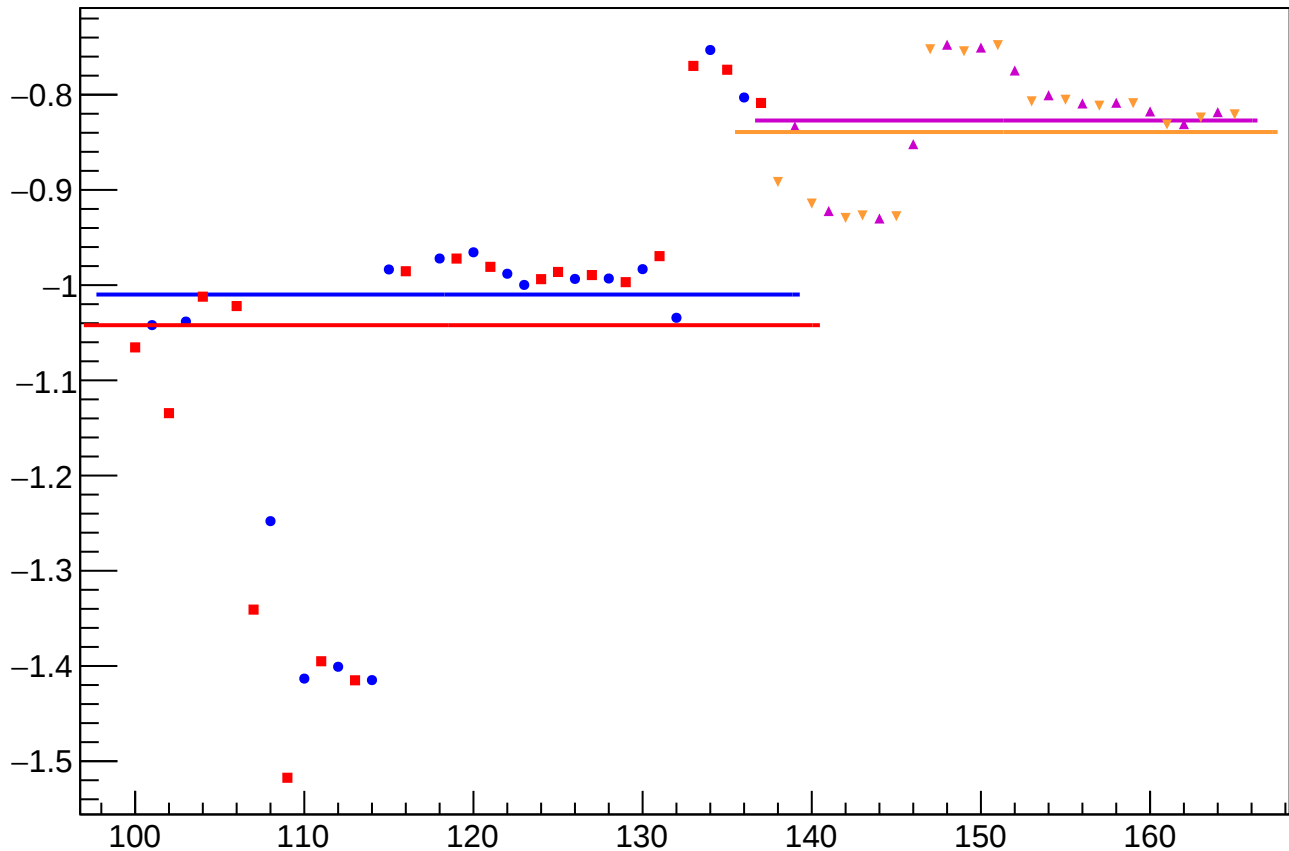
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:321253.3/12

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1757037.7/31

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3457742.0/63

- 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: -0.839+/-0.000 χ^2/NDF : 92687223.0/14

Right Out: -1.042+/-0.000 χ^2/NDF : 530106141.8/18

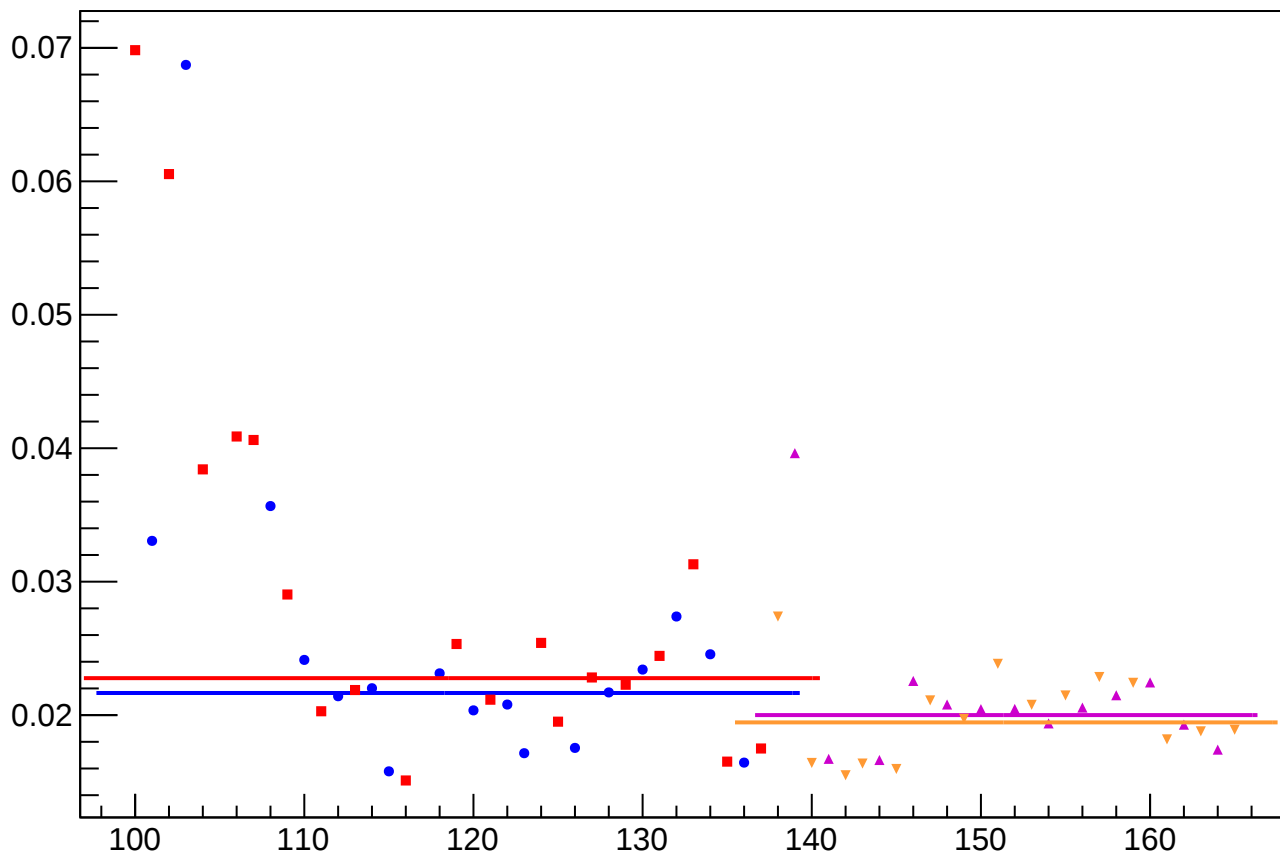
Left In: -0.827+/-0.000 χ^2/NDF : 70149614.1/12

+ sign -0.894+/-0.000 χ^2/NDF : 695329719.5/31

All: -0.896+/-0.000 χ^2/NDF : 1611936899.2/6

- sign -0.899+/-0.000 χ^2/NDF : 916215153.9/31

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 983499.8/16

Left Out: 0.019+/-0.000 χ^2/NDF : 390948.3/14

Right Out: 0.023+/-0.000 χ^2/NDF : 1152617.8/18

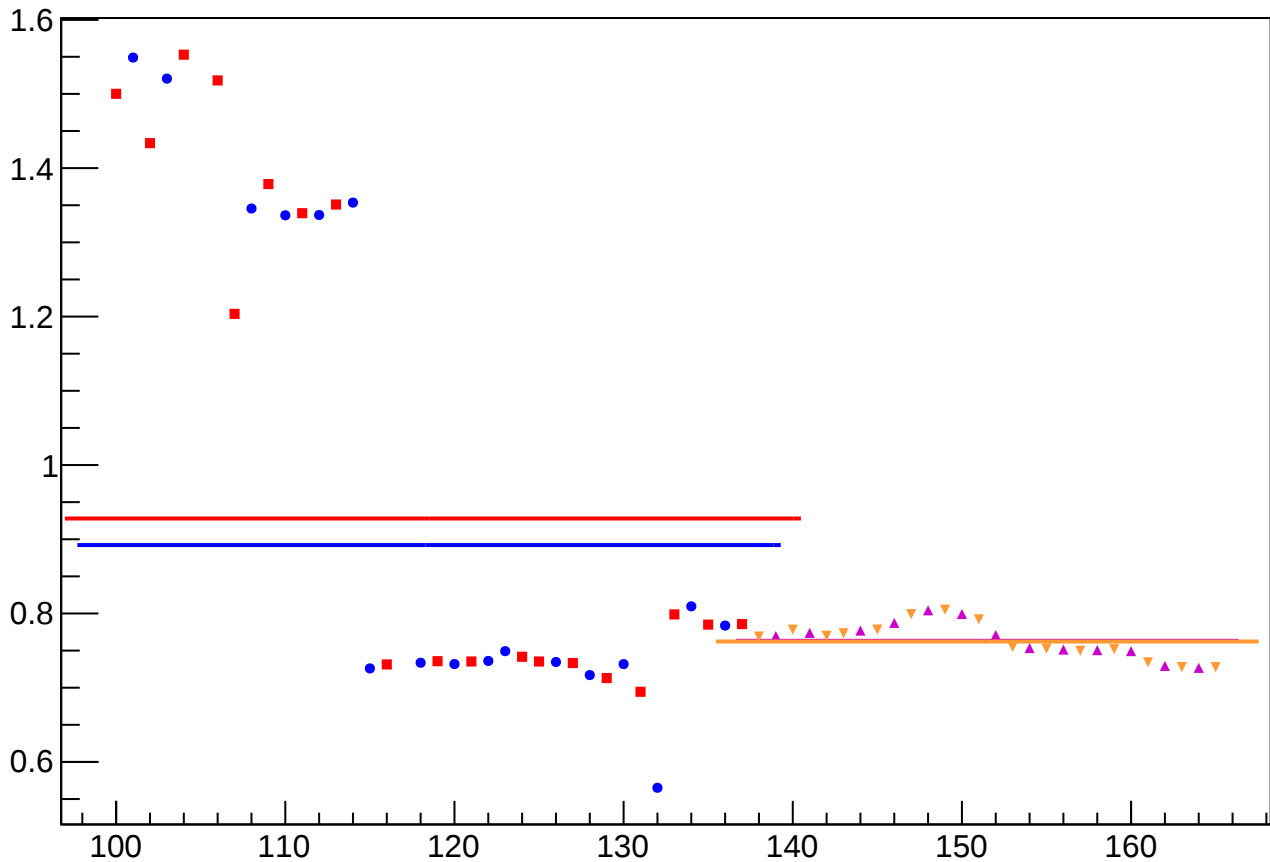
Left In: 0.020+/-0.000 χ^2/NDF : 495660.4/12

+ sign 0.020+/-0.000 χ^2/NDF : 1446123.5/31

All: 0.021+/-0.000 χ^2/NDF : 3218038.6/63

- sign 0.021+/-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: 0.762+/-0.000 χ^2/NDF : 33032602.4/14

Right Out: 0.928+/-0.000 χ^2/NDF : 2437542089.2/18

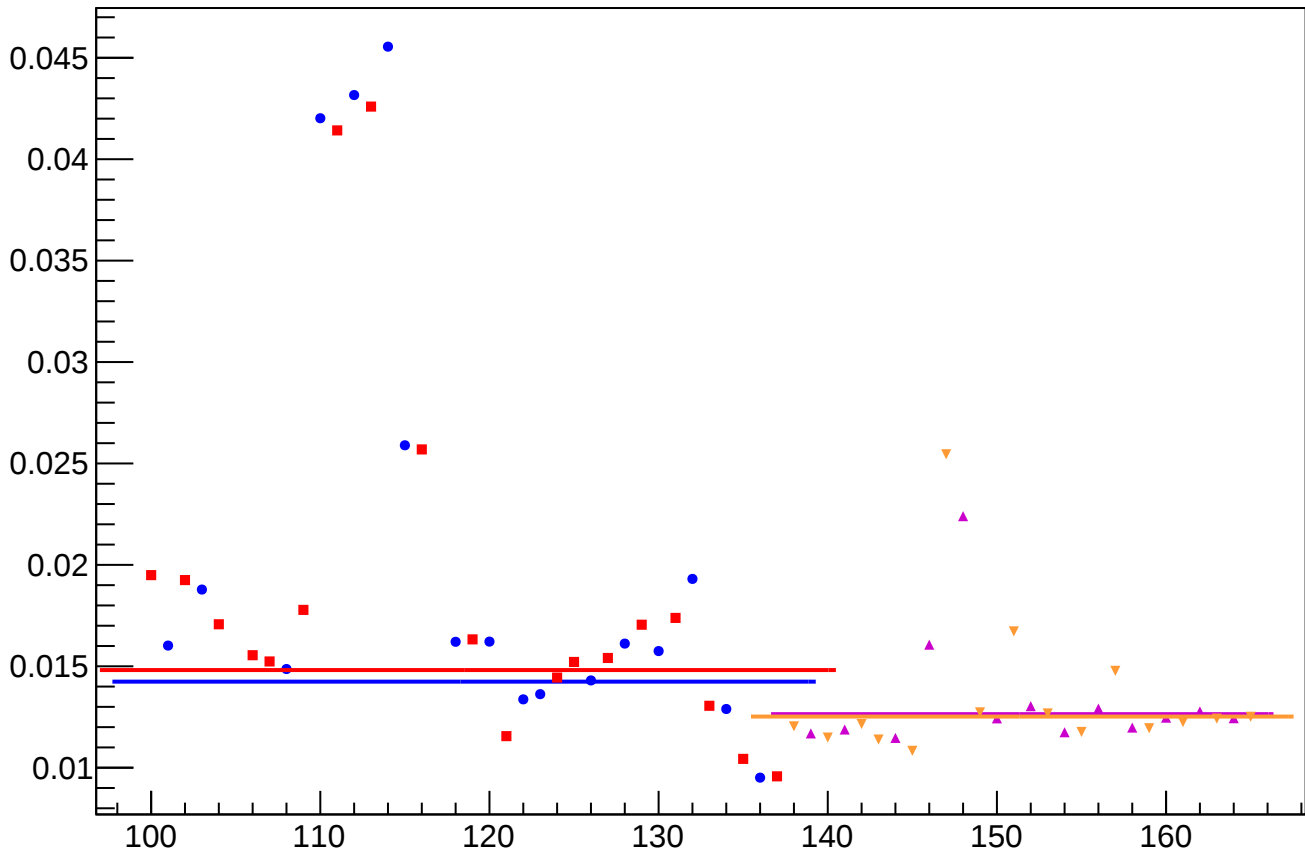
Left In: 0.763+/-0.000 χ^2/NDF : 27097787.7/12

+ sign 0.801+/-0.000 χ^2/NDF : 2778268021.6/31

All: 0.807+/-0.000 χ^2/NDF : 5764069803.2/63

- 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:583859.7/14

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1274172.7/18

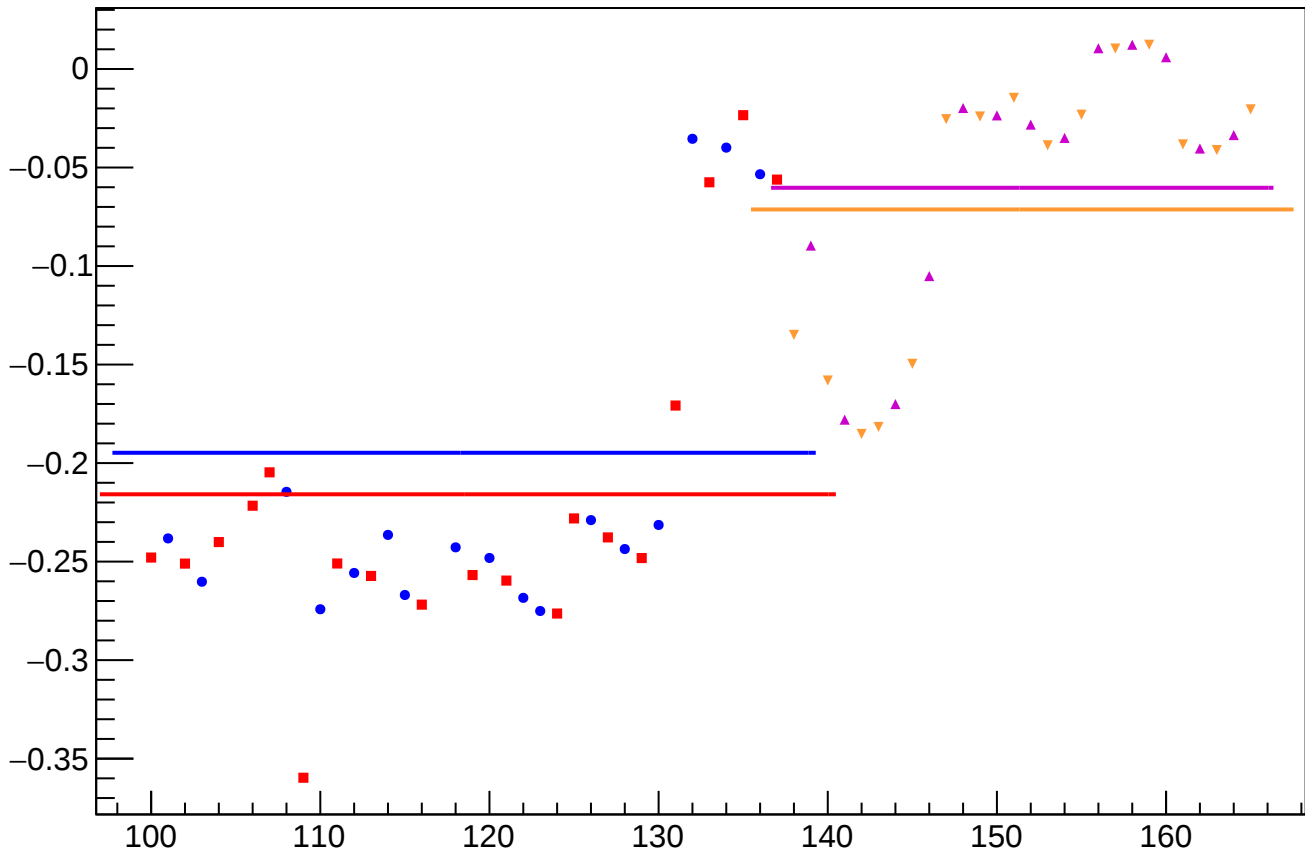
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:405331.6/12

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2115855.5/31

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3981051.5/63

- 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: -0.071+/-0.000 χ^2/NDF : 112776916.2/14

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

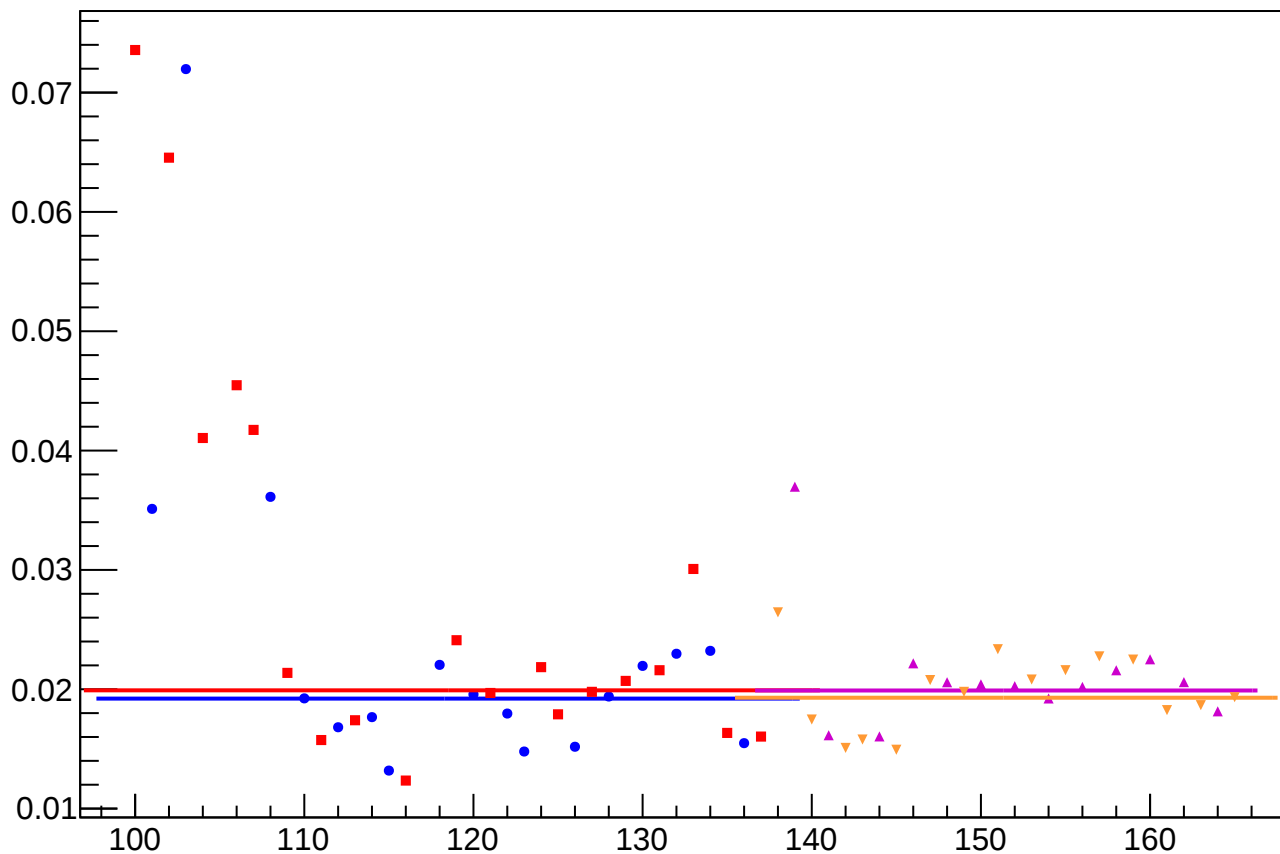
Left In: -0.060+/-0.000 χ^2/NDF : 95253302.7/12

+ sign -0.116+/-0.000 χ^2/NDF : 352797156.8/31

All: -0.118+/-0.000 χ^2/NDF : 754687684.2/63

- 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 : 419411.8/14

Right Out: 0.020+/-0.000 χ^2/NDF : 1446950.0/18

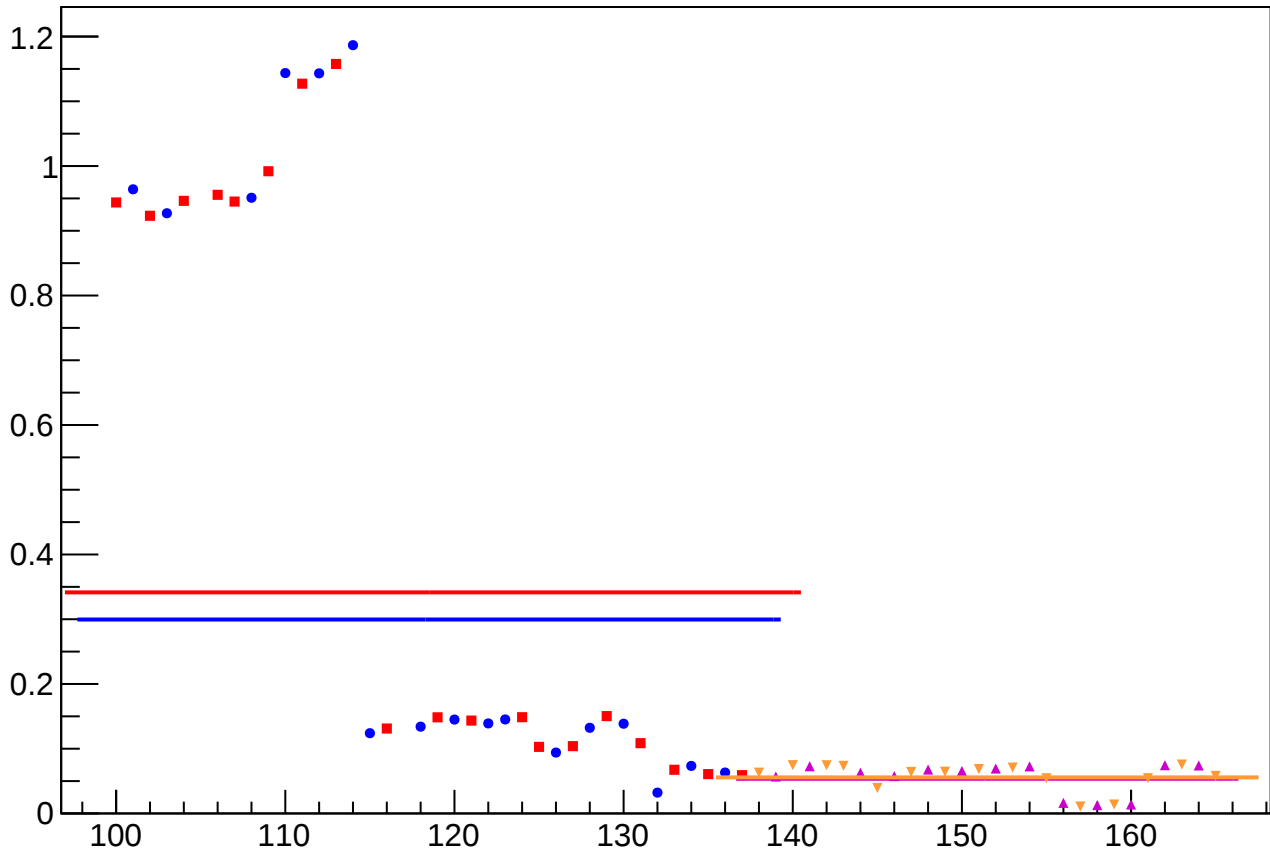
Left In: 0.020+/-0.000 χ^2/NDF : 480105.0/12

+ sign 0.019+/-0.000 χ^2/NDF : 1596588.0/31

All: 0.020+/-0.000 χ^2/NDF : 3538106.1/63

- sign 0.020+/-0.000 χ^2/NDF : 1927057.9/31

yield_bpm4ecY_mean vs Slug



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.056 $\pm$ 0.000 χ^2 /NDF: 37076884.9/14

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5450600455.1/18

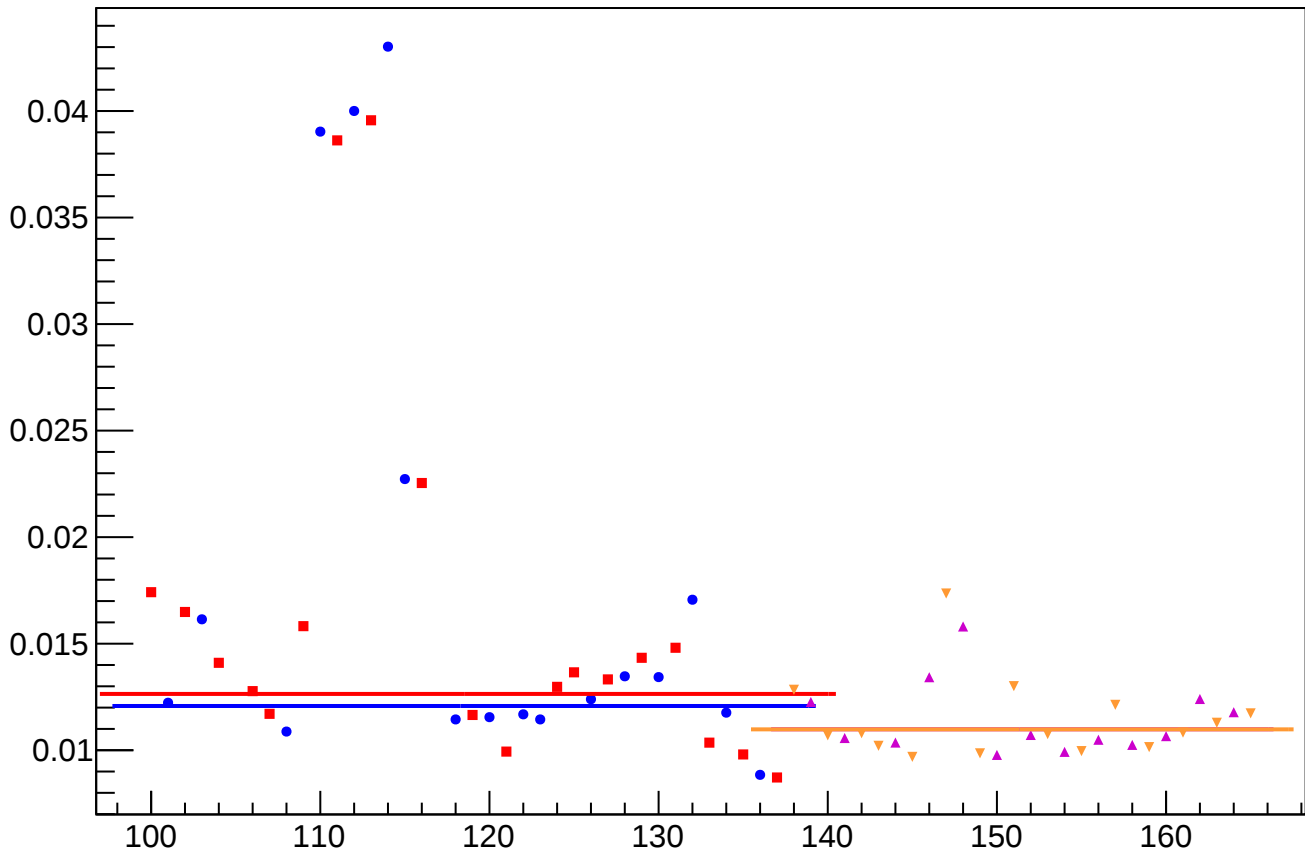
Left In: 0.054 $\pm$ 0.000 χ^2 /NDF: 47230177.7/12

+ sign 0.131 $\pm$ 0.000 χ^2 /NDF: 6799404716.7/31

All: 0.137 $\pm$ 0.000 χ^2 /NDF: 14407563335.3/31

- sign 0.144 $\pm$ 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:369486.6/14

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

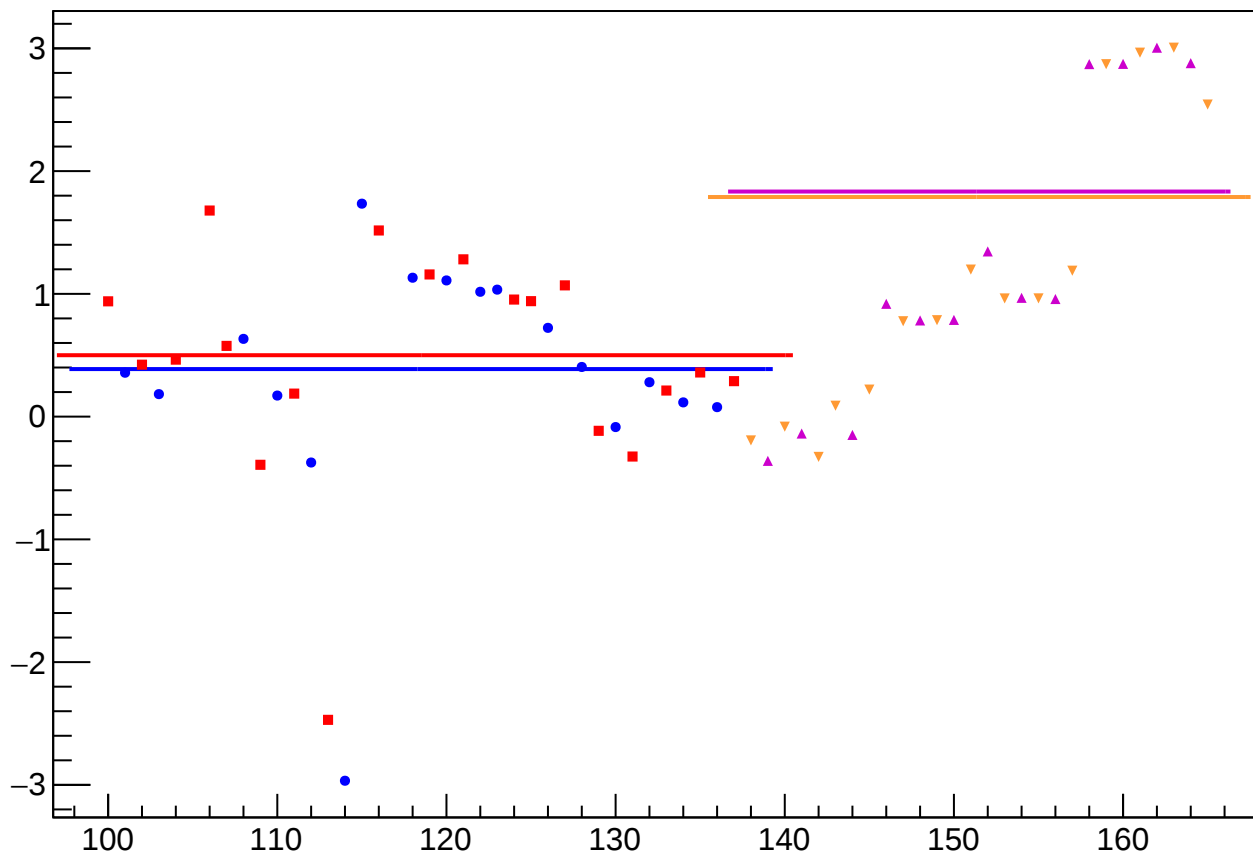
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:298799.7/12

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1716188.7/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3396333.7/63

- 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: 1.789 $\pm$ 0.000 χ^2 /NDF: 25012286539.8/14

Right Out: 0.500 $\pm$ 0.000 χ^2 /NDF: 983360928.1/18

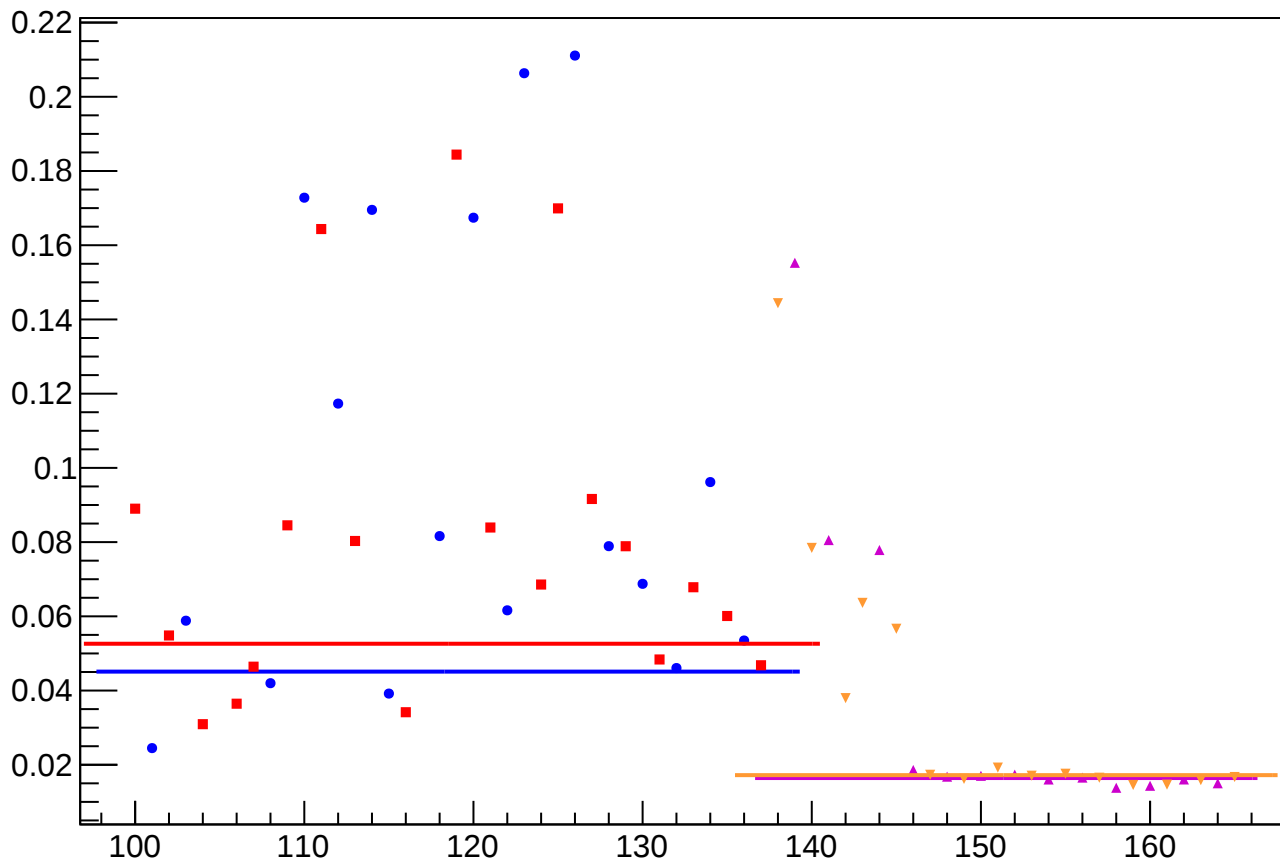
Left In: 1.834 $\pm$ 0.000 χ^2 /NDF: 26386383058.4/12

+ sign 1.700 $\pm$ 0.000 χ^2 /NDF: 28477297045.1/31

All: 1.732 $\pm$ 0.000 χ^2 /NDF: 58418091786.8/6

- 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 :2729550.5/14

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

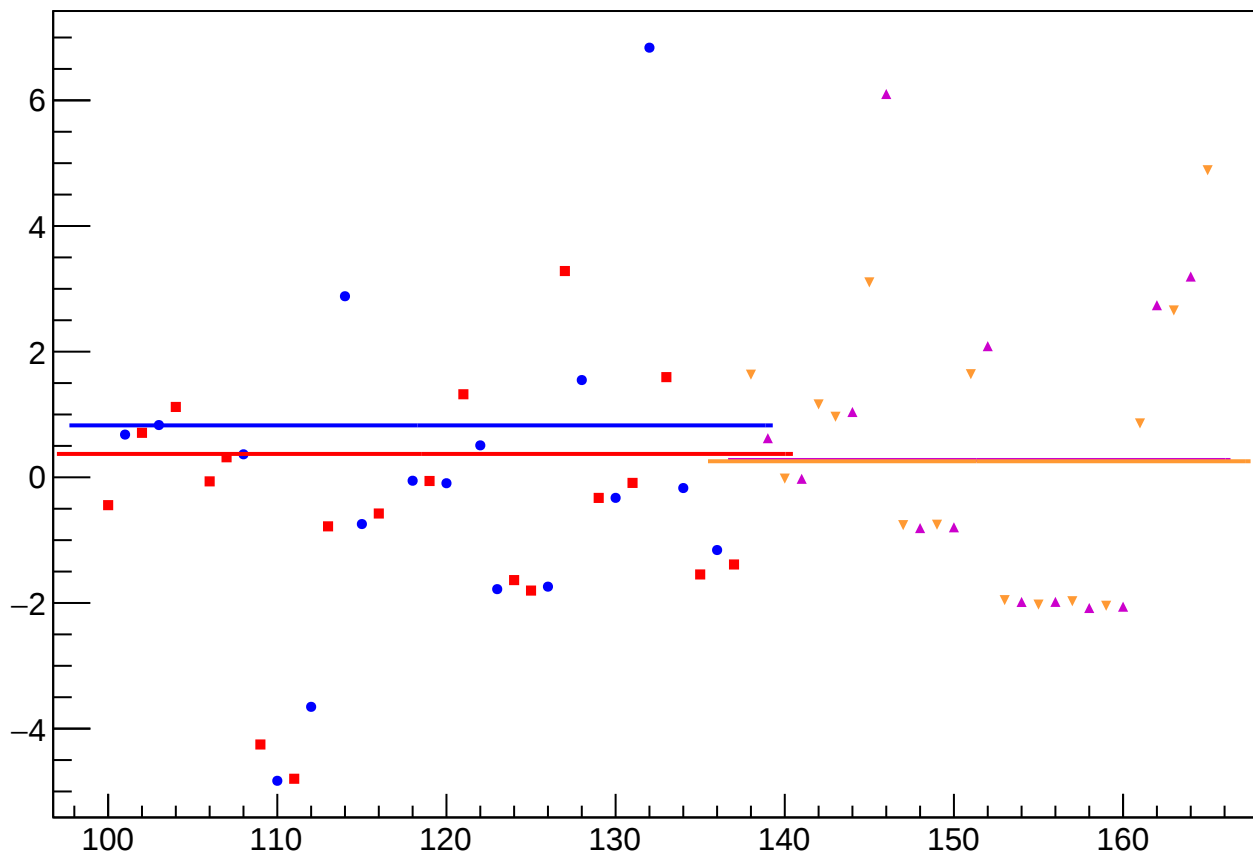
Left In: 0.016+/-0.000 χ^2/NDF :2335066.7/12

+ sign 0.019+/-0.000 χ^2/NDF : 8124550.0/31

All: 0.019+/-0.000 χ^2/NDF : 16366100.4/63

- 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: 0.256 ± 0.000 χ^2/NDF : 230616525850.3/14

Right Out: 0.372 ± 0.000 χ^2/NDF : 4972900338.2/18

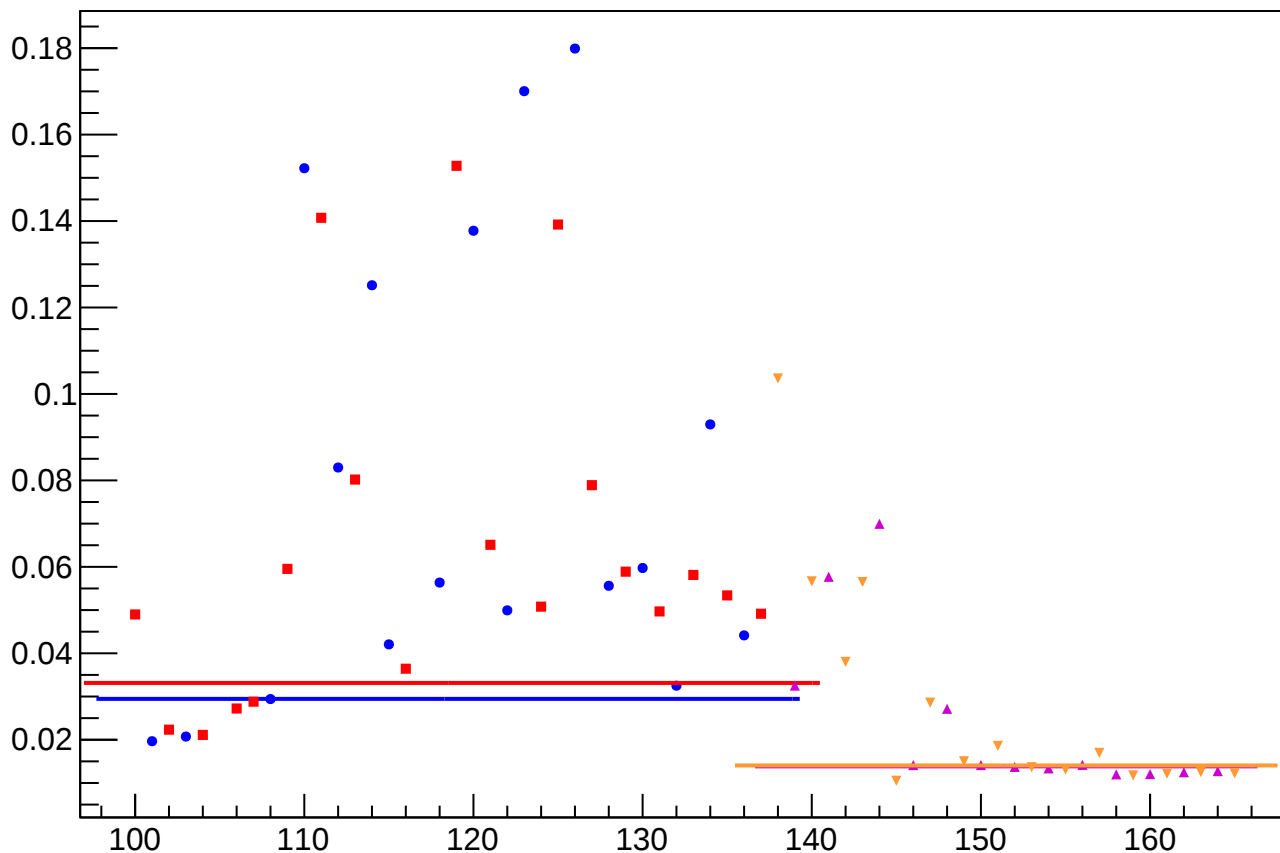
Left In: 0.276 ± 0.000 χ^2/NDF : 300322300398.6/12

+ sign 0.306 ± 0.000 χ^2/NDF : 242722698145.1/31

All: 0.295 ± 0.000 χ^2/NDF : 548059141722.5

- 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 :2813238.3/14

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

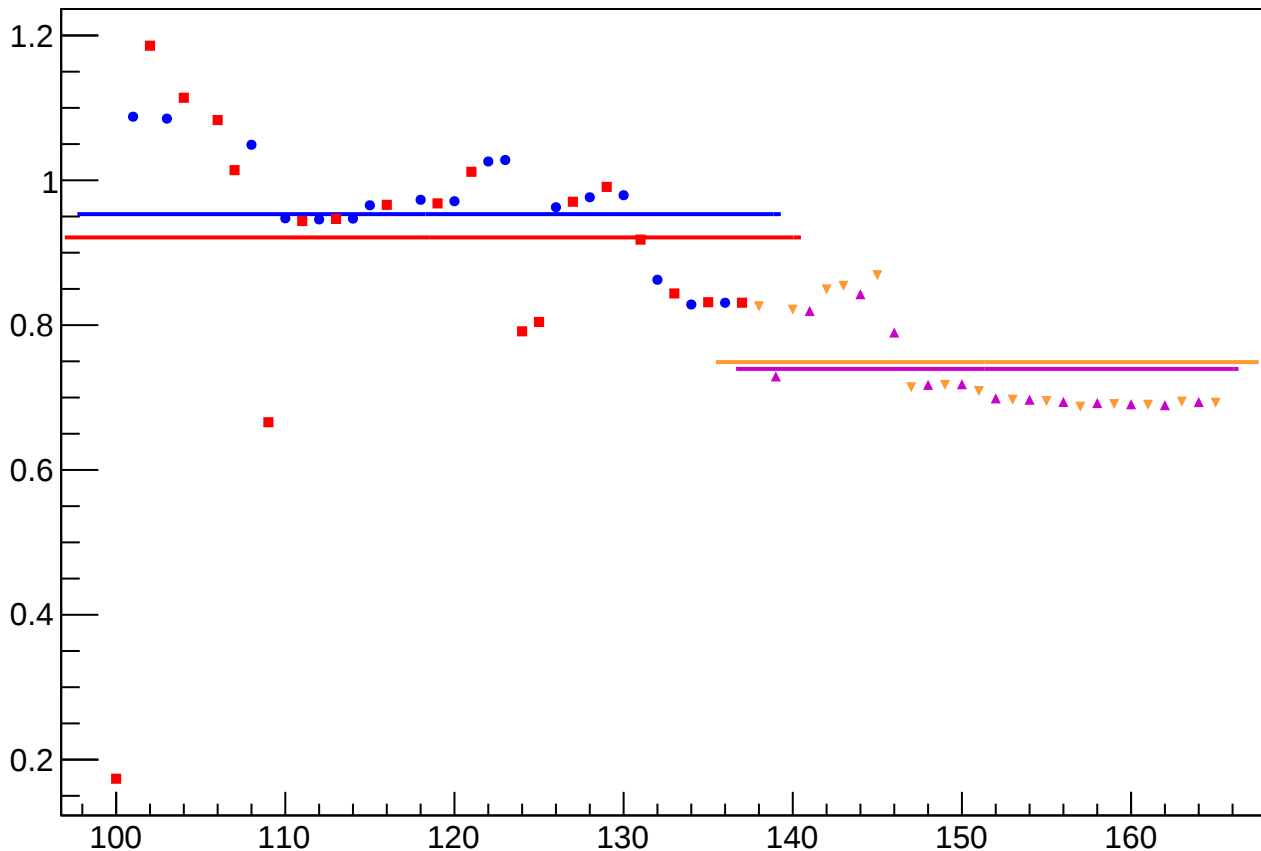
Left In: 0.014+/-0.000 χ^2/NDF :1844037.6/12

+ sign 0.015+/-0.000 χ^2/NDF : 7569714.7/31

All: 0.015+/-0.000 χ^2/NDF : 14913678.0/63

- 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: 0.749 $\pm$ 0.000 χ^2 /NDF: 258053362.7/14

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

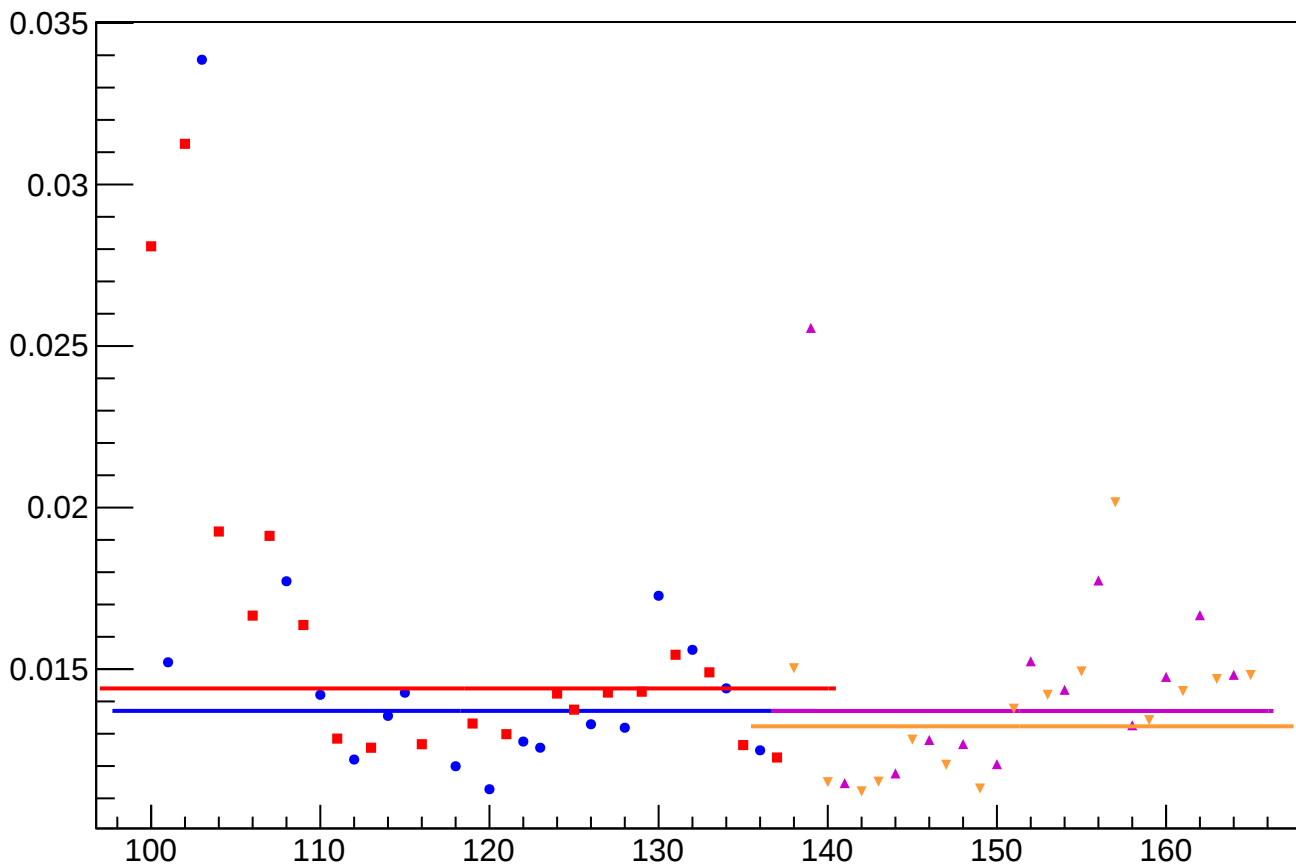
Left In: 0.740 $\pm$ 0.000 χ^2 /NDF: 154824898.7/12

+ sign 0.823 $\pm$ 0.000 χ^2 /NDF: 1258095014.1/31

All: 0.816 $\pm$ 0.000 χ^2 /NDF: 2396652472.5/63

- sign 0.808 $\pm$ 0.000 χ^2 /NDF: 1129950762.8/31

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546317.6/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 354349.2/14

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

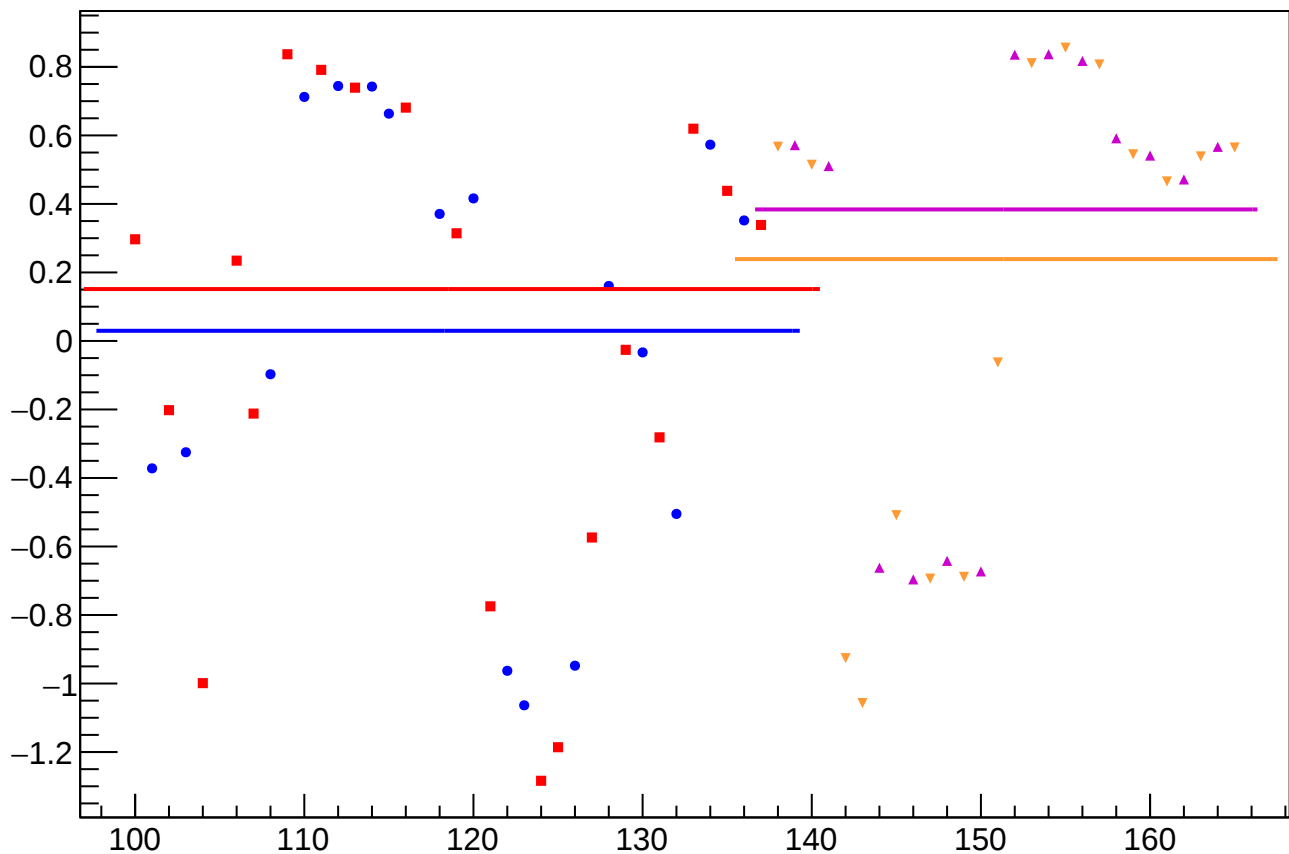
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 572692.4/12

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 909675.4/31

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2027897.1/63

- sign 0.014 $\pm$ 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: 0.239 $\pm$ 0.000 χ^2 /NDF: 24266911057.7/14

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

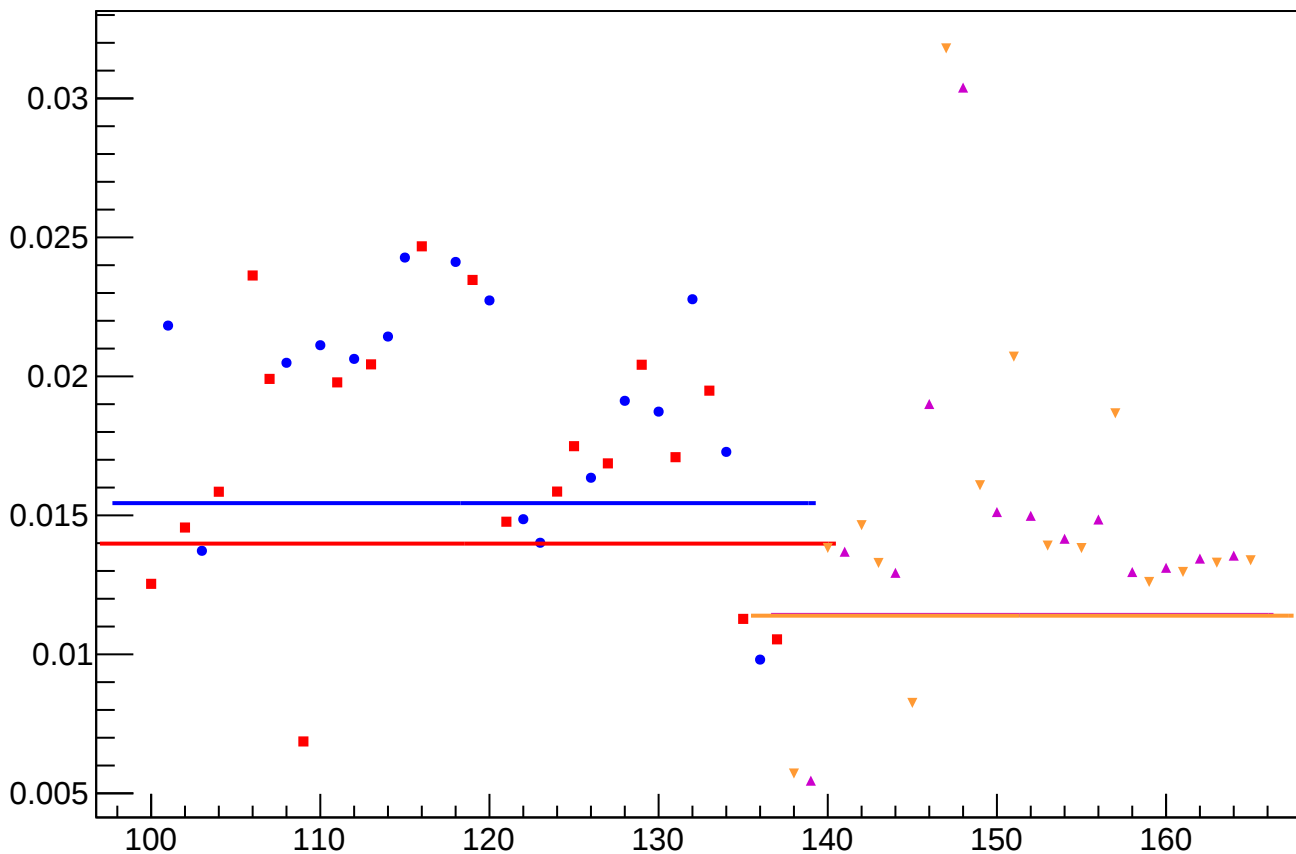
Left In: 0.384 $\pm$ 0.000 χ^2 /NDF: 16164192829.6/12

+ sign 0.185 $\pm$ 0.000 χ^2 /NDF: 31335310811.3/31

All: 0.249 $\pm$ 0.000 χ^2 /NDF: 61981346143.0/6

- 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 : 2900951.2/14

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

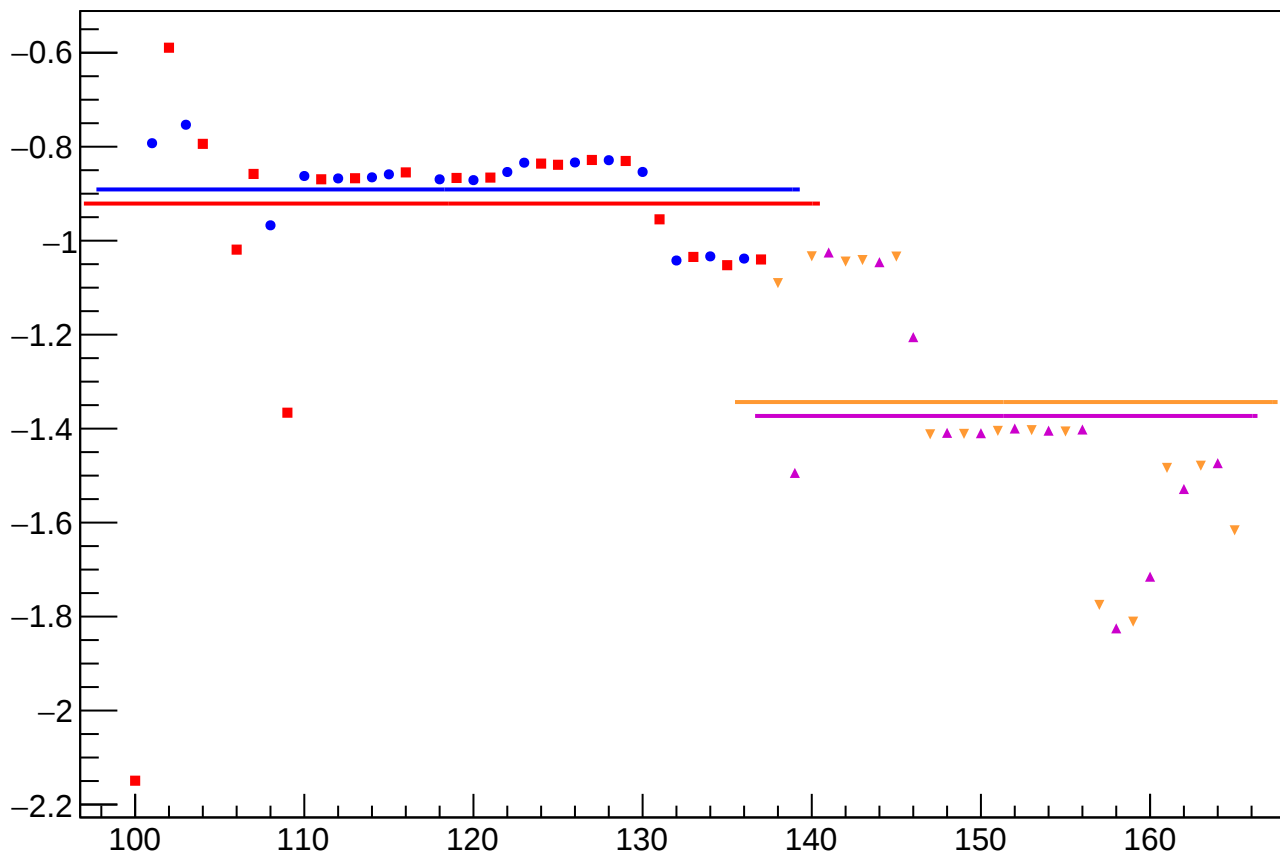
Left In: 0.011+/-0.000 χ^2/NDF : 2836215.5/12

+ sign 0.012+/-0.000 χ^2/NDF : 4641511.9/31

All: 0.012+/-0.000 χ^2/NDF : 9303670.8/63

- 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: -1.343 ± 0.000 χ^2/NDF : 489115225.1/14

Right Out: -0.921 ± 0.000 χ^2/NDF : 131183059.9/18

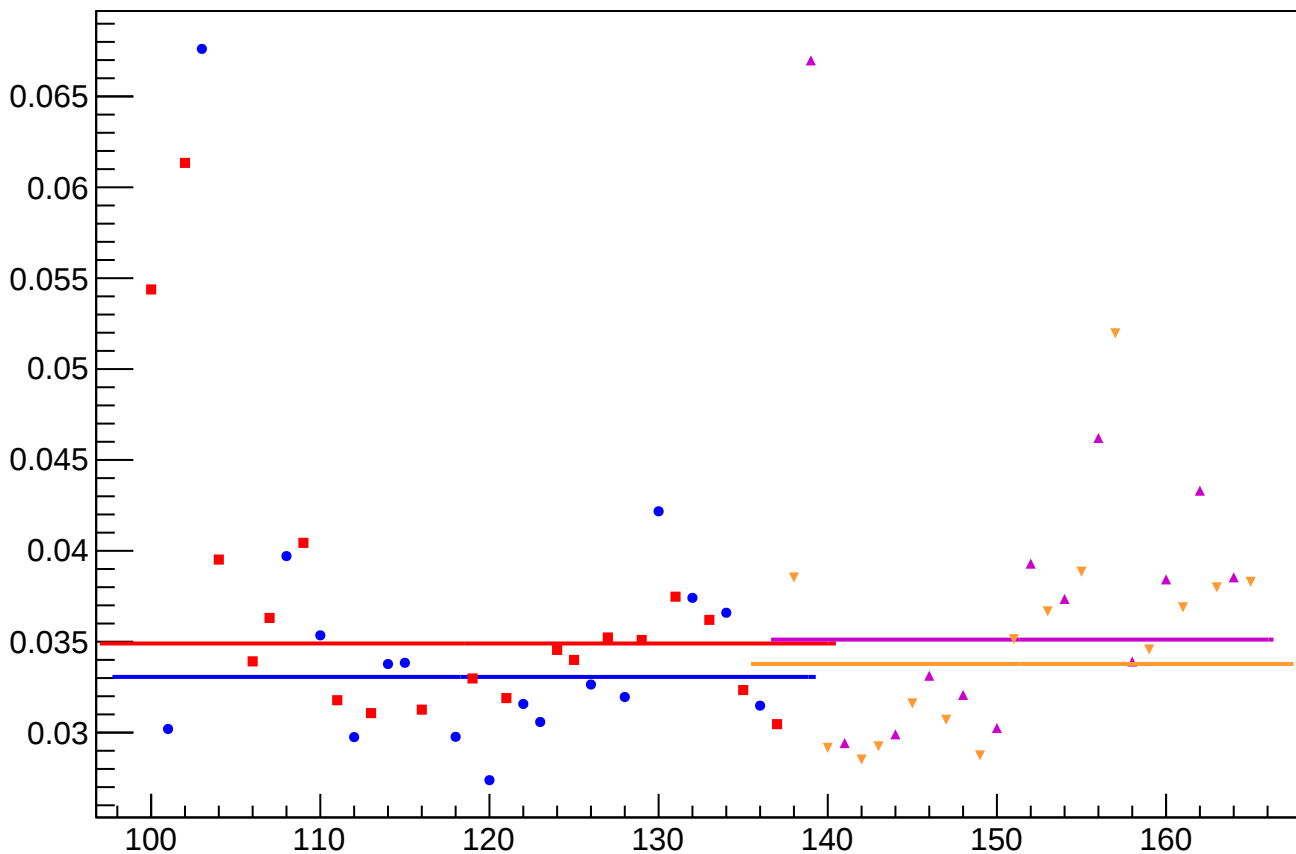
Left In: -1.373 ± 0.000 χ^2/NDF : 414780217.2/12

+ sign -1.166 ± 0.000 χ^2/NDF : 1196068089.9/31

All: -1.176 ± 0.000 χ^2/NDF : 2354441279.8/6

- 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 : 387578.2/14

Right Out: 0.035+/-0.000 χ^2/NDF : 274270.8/18

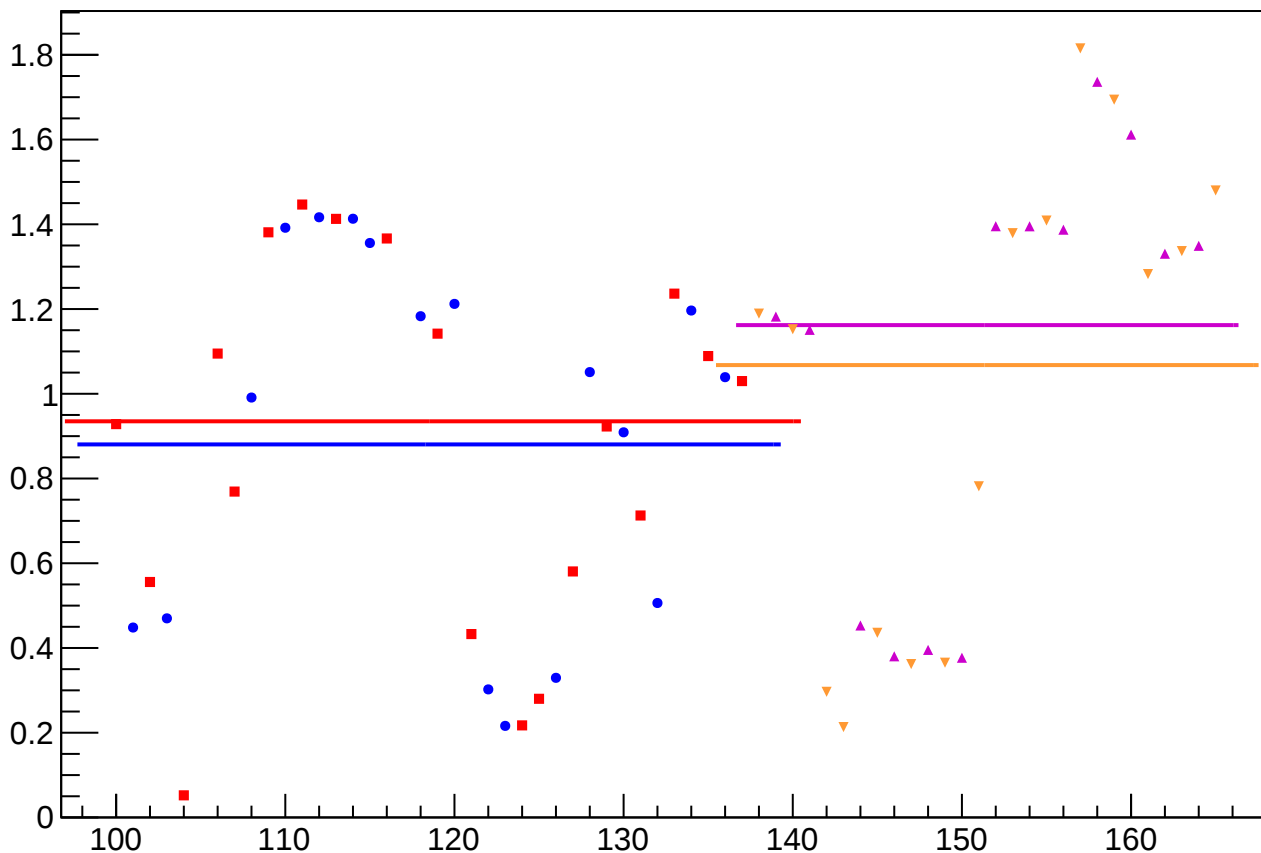
Left In: 0.035+/-0.000 χ^2/NDF : 626614.2/12

+ sign 0.033+/-0.000 χ^2/NDF : 800206.8/31

All: 0.034+/-0.000 χ^2/NDF : 1731748.8/63

- 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: 1.068 ± 0.000 χ^2/NDF : 30686810479.3/14

Right Out: 0.935 ± 0.000 χ^2/NDF : 9833525935.6/18

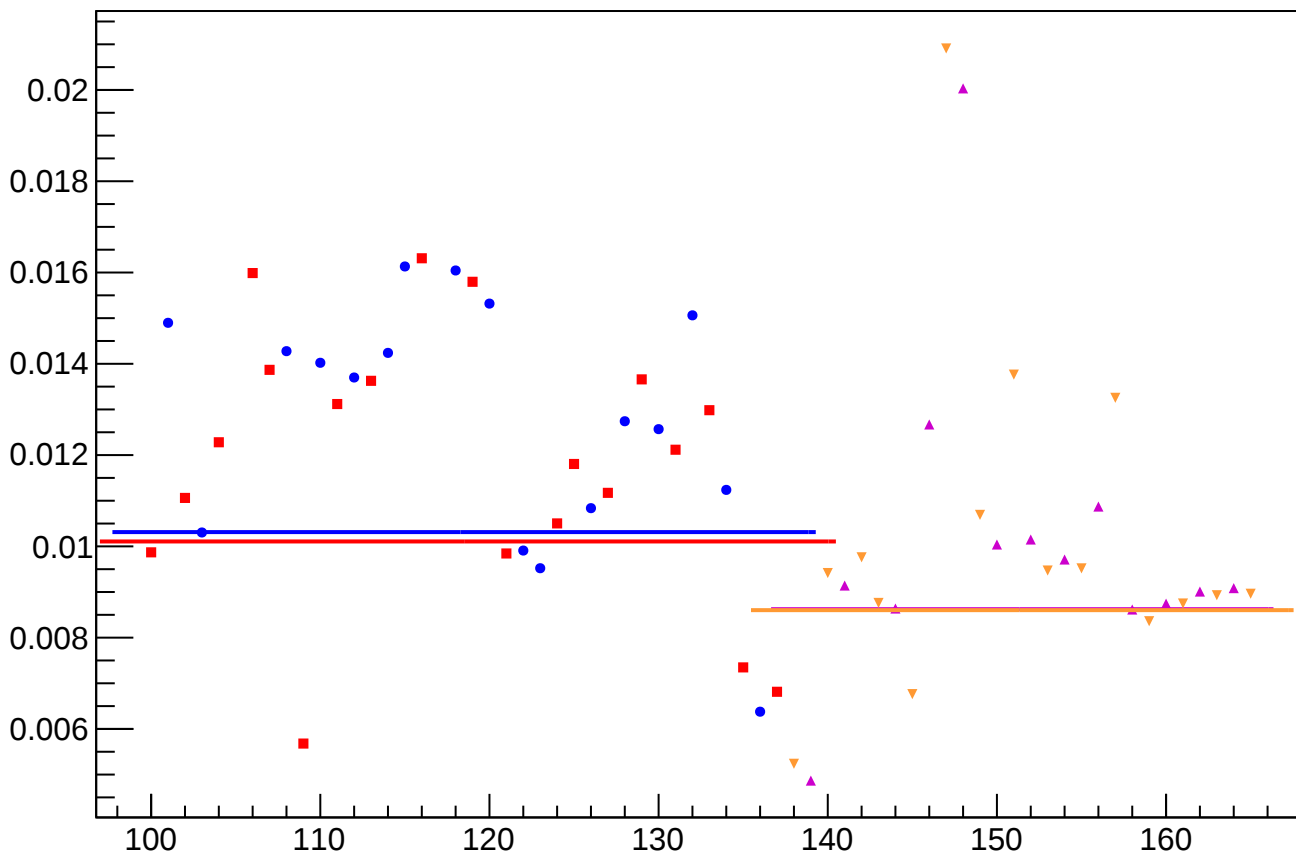
Left In: 1.162 ± 0.000 χ^2/NDF : 21986640716.7/12

+ sign 1.014 ± 0.000 χ^2/NDF : 38406808243.6/31

All: 1.051 ± 0.000 χ^2/NDF : 72756056395.4/6

- 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:1657610.0/14

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

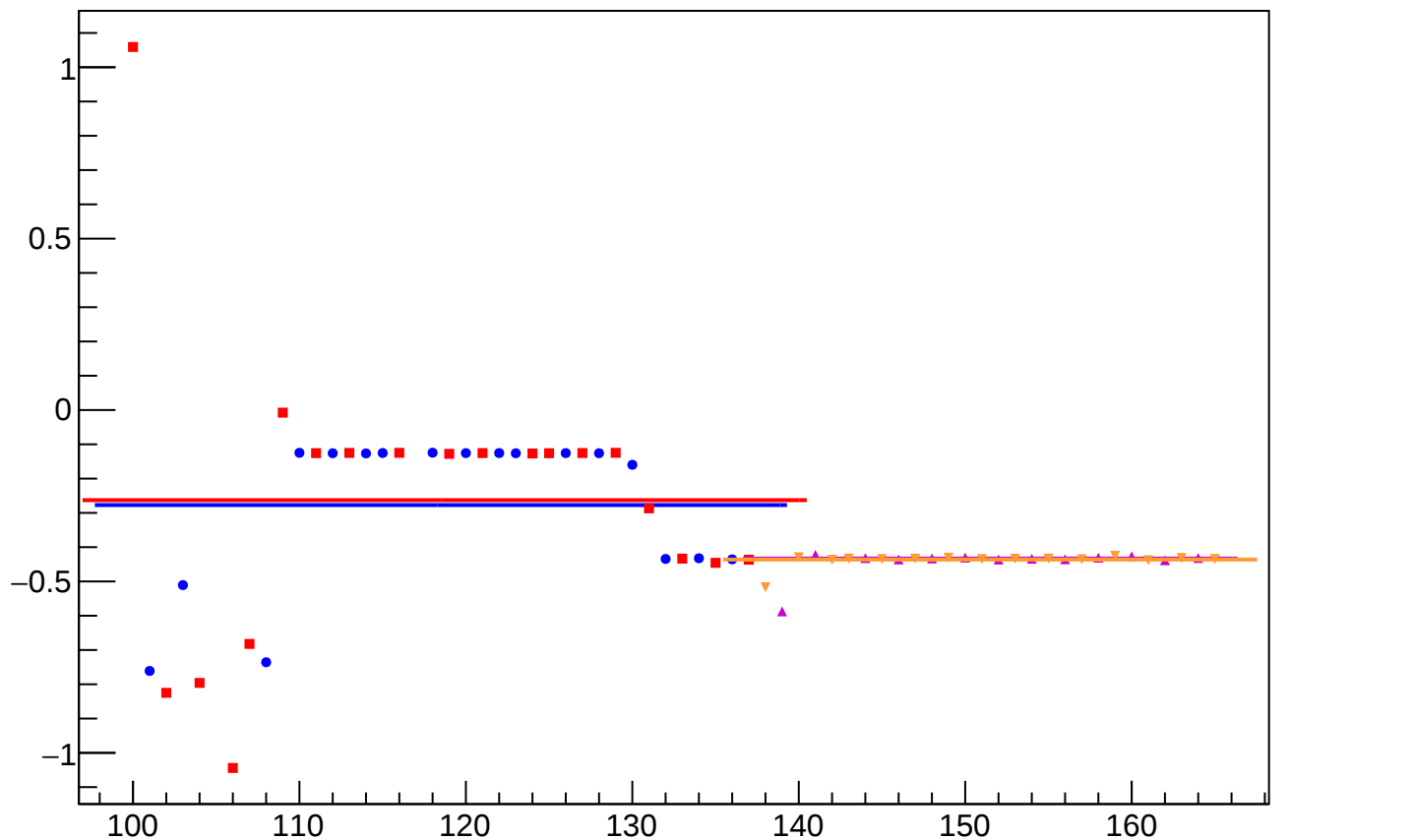
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1560378.8/12

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3108904.7/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6019192.3/63

- 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 : 25615265.4/14

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

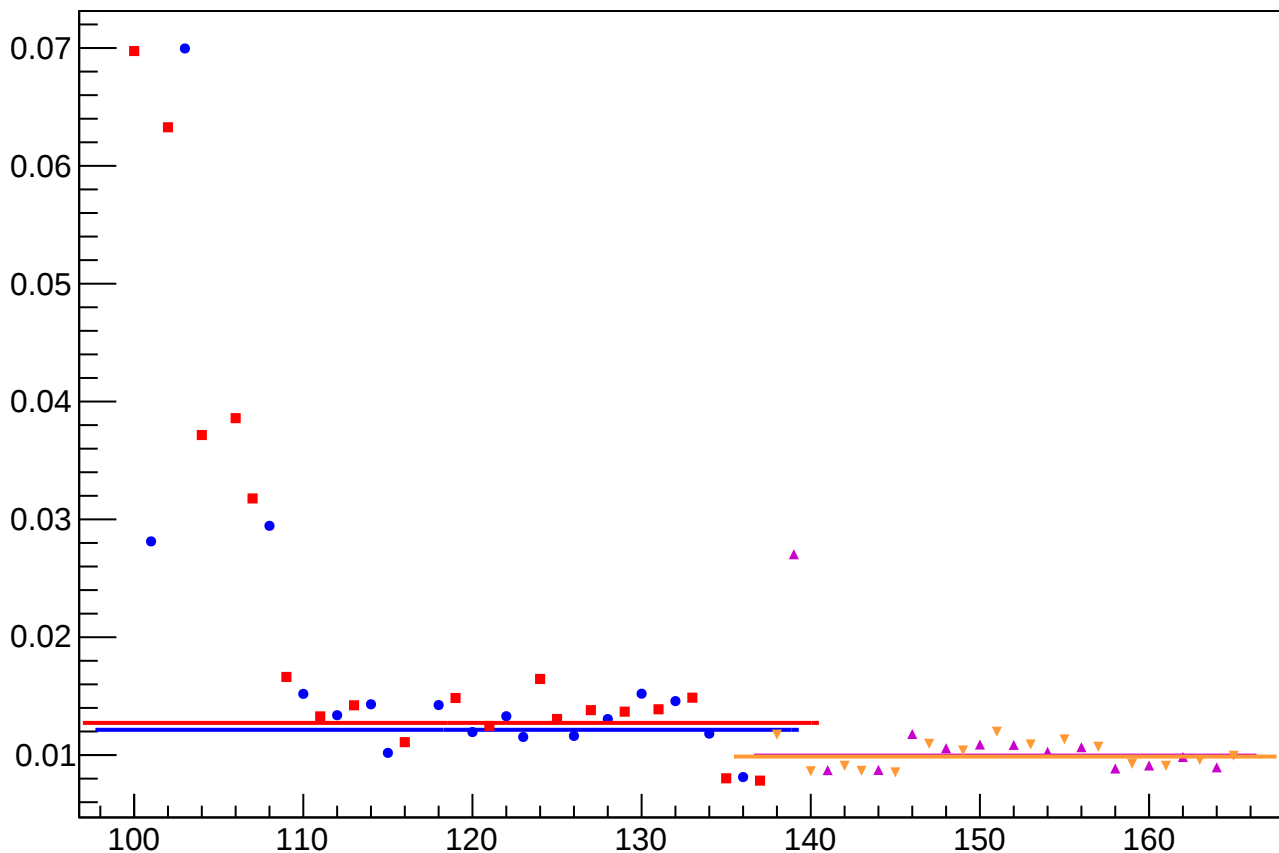
Left In: -0.433 ± 0.000 χ^2/NDF : 23368654.2/12

+ sign -0.396 ± 0.000 χ^2/NDF : 1569144187.6/31

All: -0.393 ± 0.000 χ^2/NDF : 3246400528.7/6

- sign -0.389 ± 0.000 χ^2/NDF : 1674513797.6/31

yield_bpm16X_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1727494.7/16

Left Out: 0.010 ± 0.000 χ^2/NDF : 224092.3/14

Right Out: 0.013 ± 0.000 χ^2/NDF : 1969165.0/18

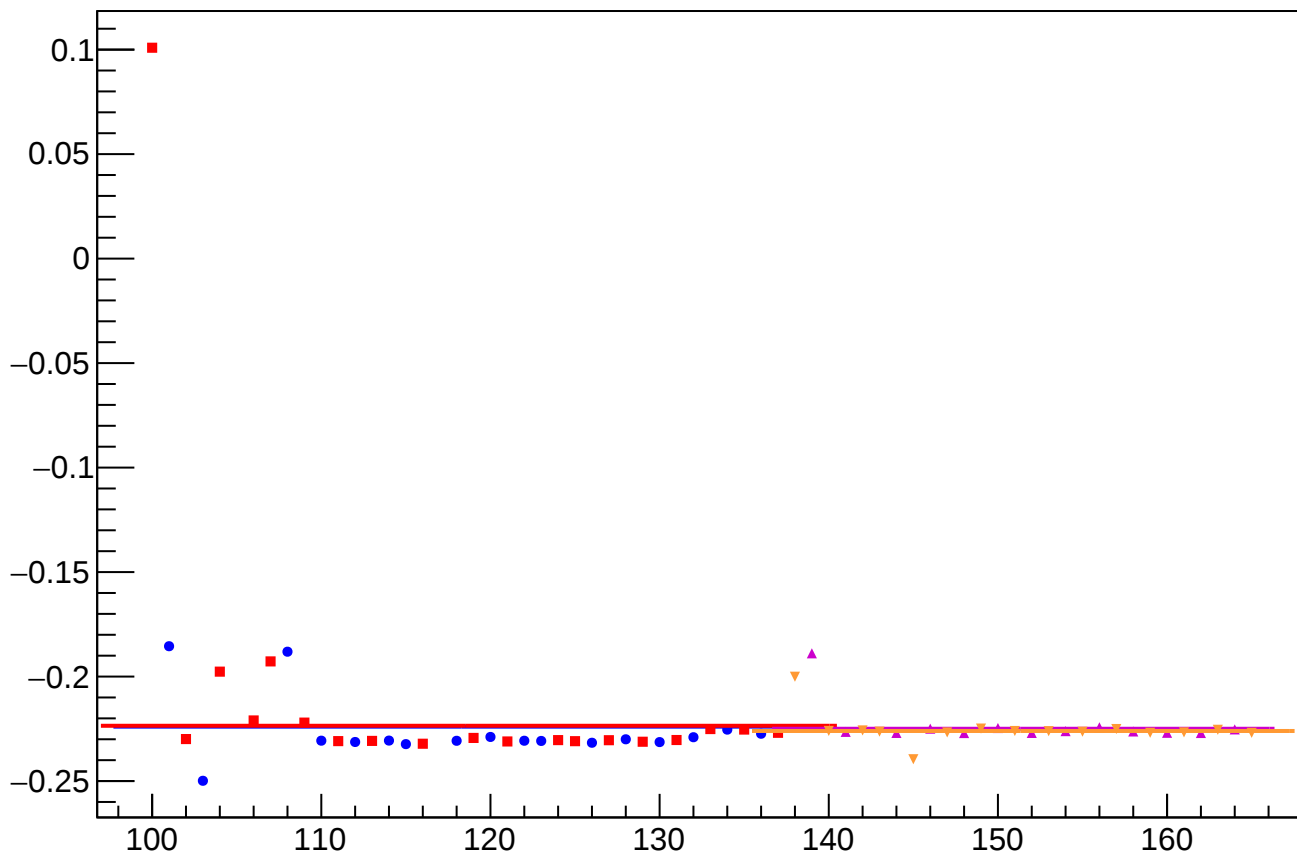
Left In: 0.010 ± 0.000 χ^2/NDF : 693885.3/12

+ sign 0.010 ± 0.000 χ^2/NDF : 2197464.1/31

All: 0.011 ± 0.000 χ^2/NDF : 5207310.5/63

- sign 0.011 ± 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 : 20599714.8/14

Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

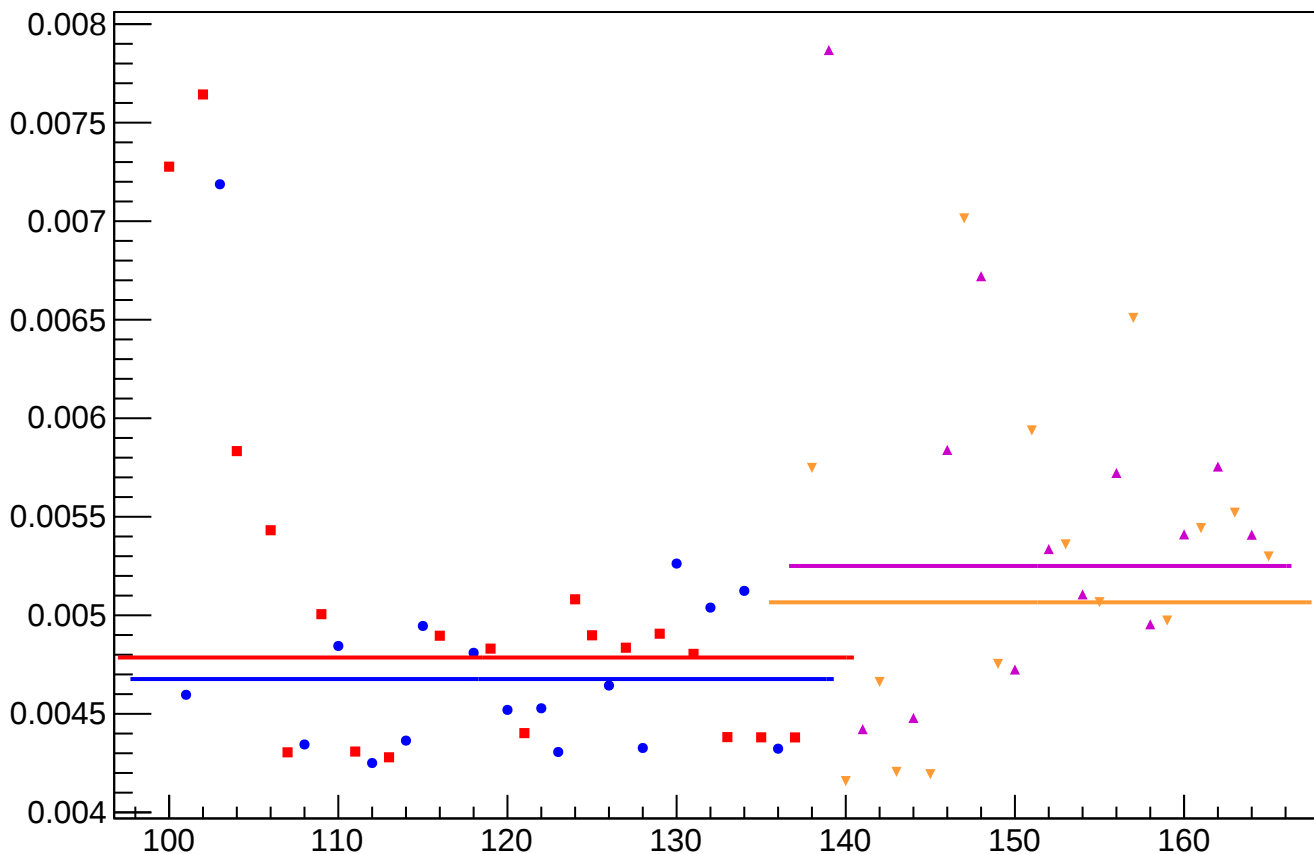
Left In: -0.225+/-0.000 χ^2/NDF : 14246479.7/12

+ sign -0.225+/-0.000 χ^2/NDF : 96015570.5/31

All: -0.225+/-0.000 χ^2/NDF : 278933754.9/63

- 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 : 447511.3/14

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

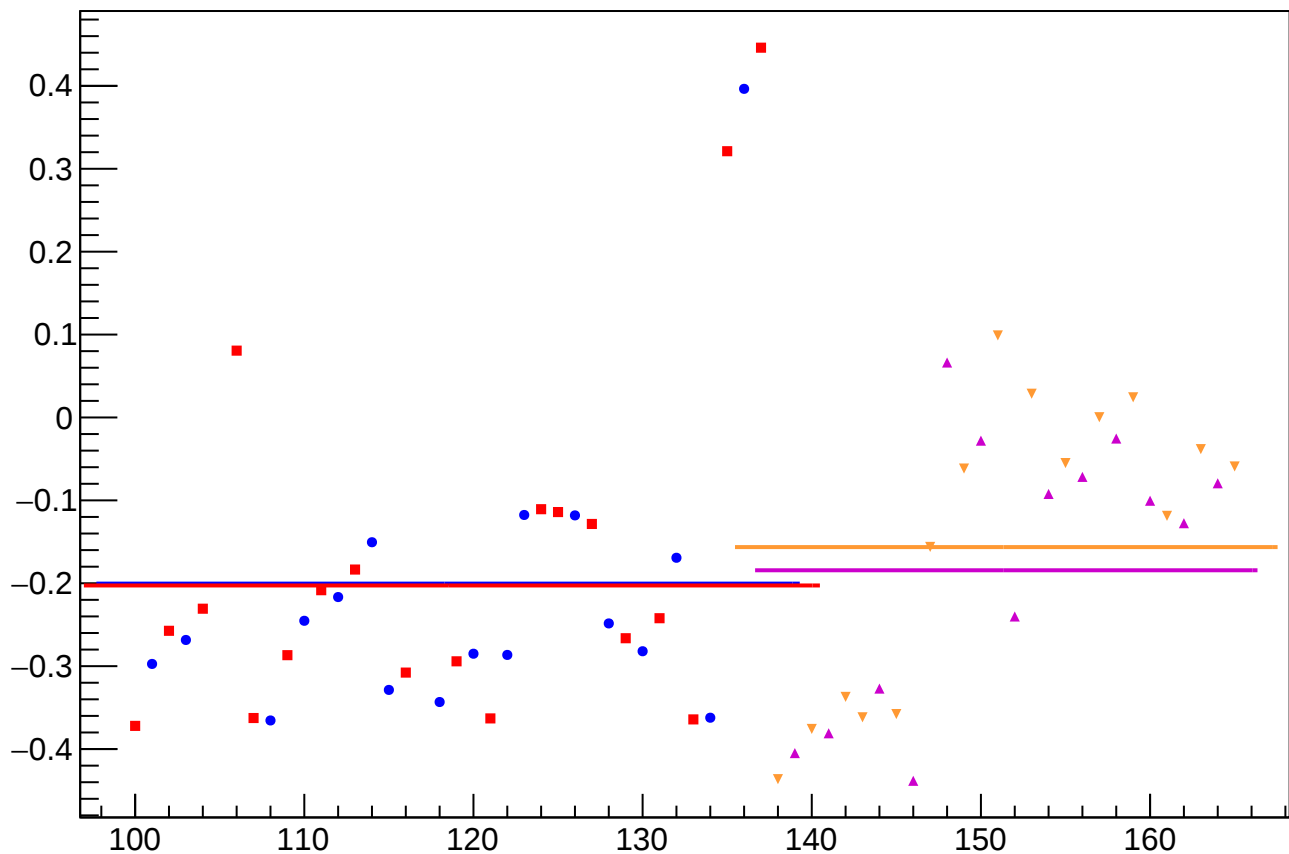
Left In: 0.005+/-0.000 χ^2/NDF : 382393.9/12

+ sign 0.005+/-0.000 χ^2/NDF : 678225.1/31

All: 0.005+/-0.000 χ^2/NDF : 1387853.1/63

- 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: -0.156+/-0.000 χ^2/NDF : 11008403141.9/14

Right Out: -0.203+/-0.000 χ^2/NDF : 5028268807.1/18

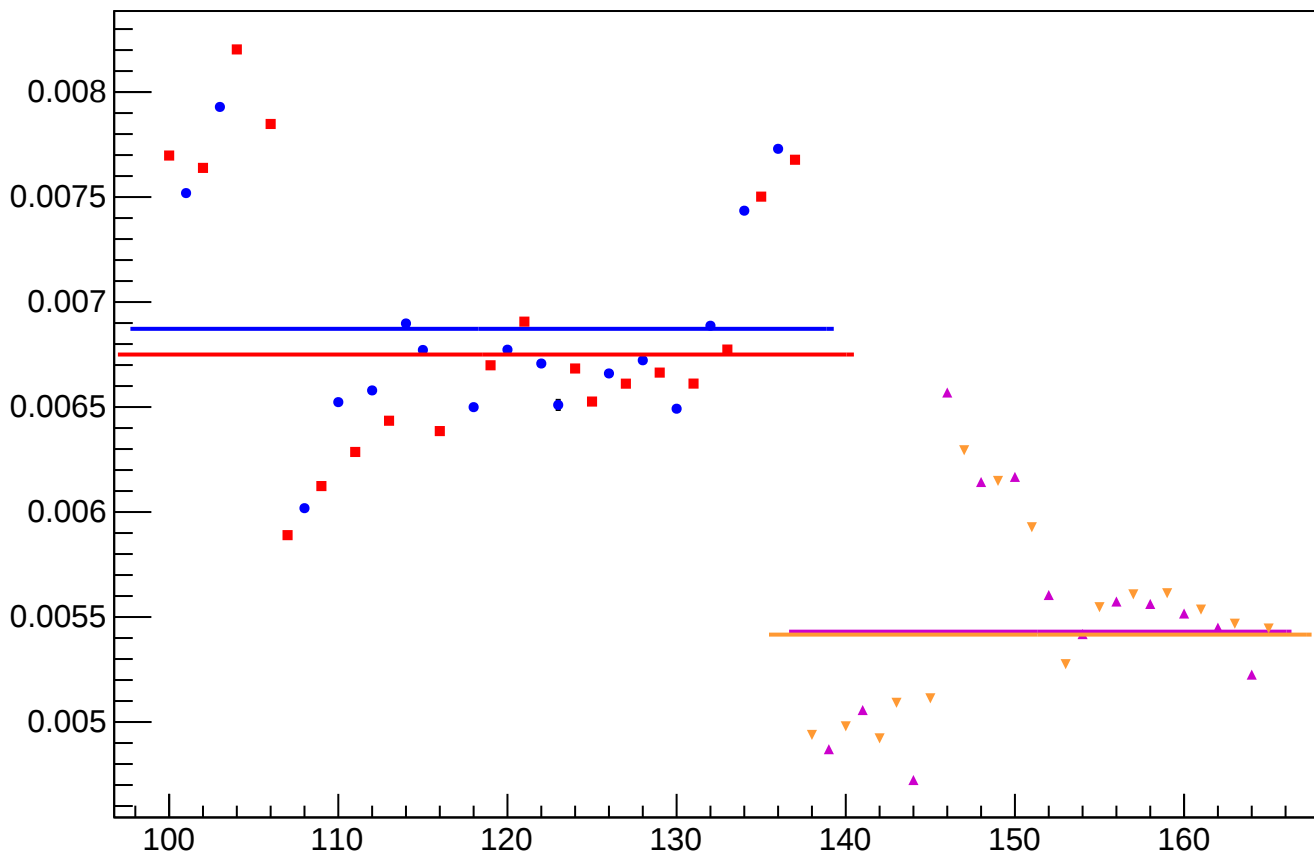
Left In: -0.184+/-0.000 χ^2/NDF : 7643269470.3/12

+ sign -0.169+/-0.000 χ^2/NDF : 17175342290.3/31

All: -0.179+/-0.000 χ^2/NDF : 29990940869.0/31

- sign -0.190+/-0.000 χ^2/NDF : 12706014958.8/31

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF : 105569.2/14

Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

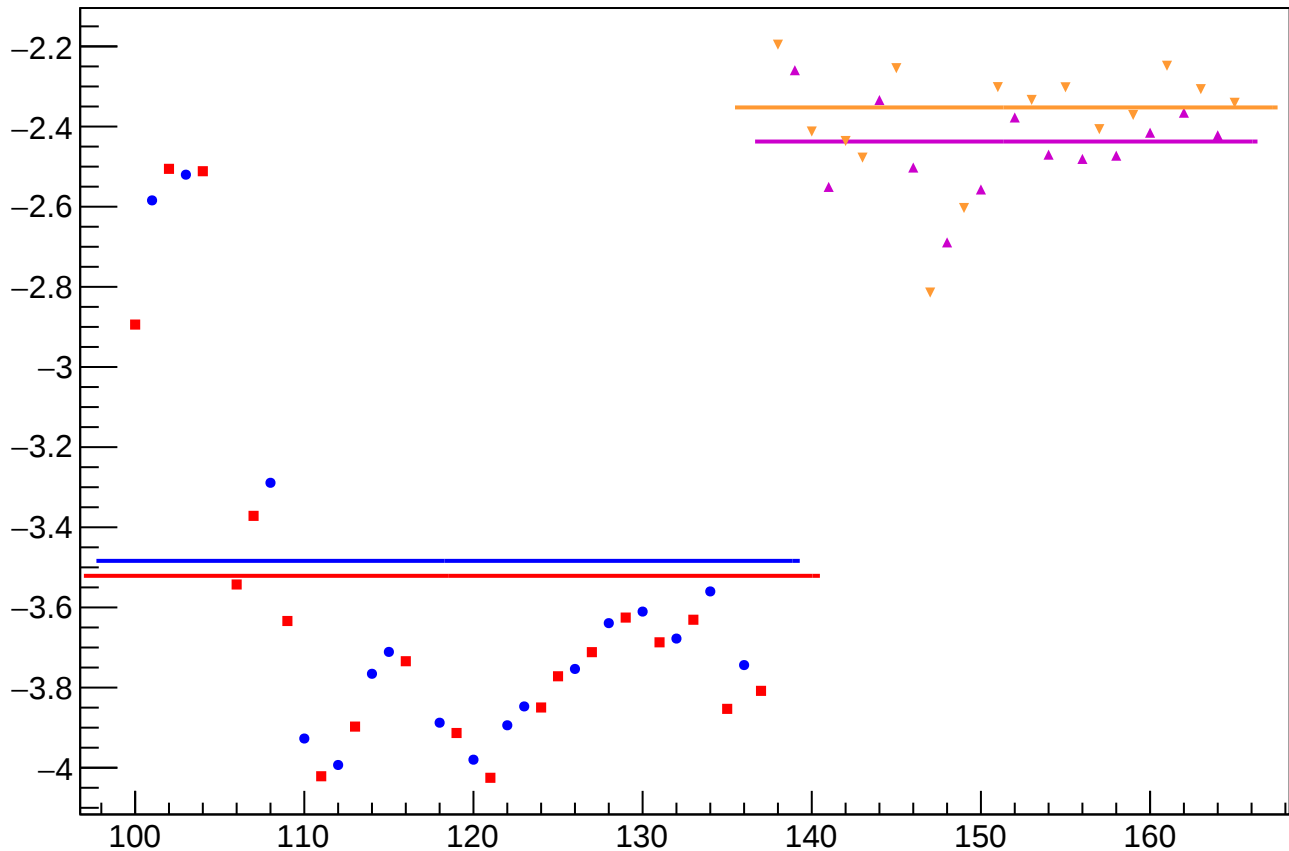
Left In: 0.005+/-0.000 χ^2/NDF : 145752.4/12

+ sign 0.006+/-0.000 χ^2/NDF : 606532.0/31

All: 0.006+/-0.000 χ^2/NDF : 121527.6/63

- sign 0.006+/-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: -2.352 ± 0.000 χ^2/NDF : 1653992234.3/14

+ sign -2.842 ± 0.000 χ^2/NDF : 101788900346.8/31

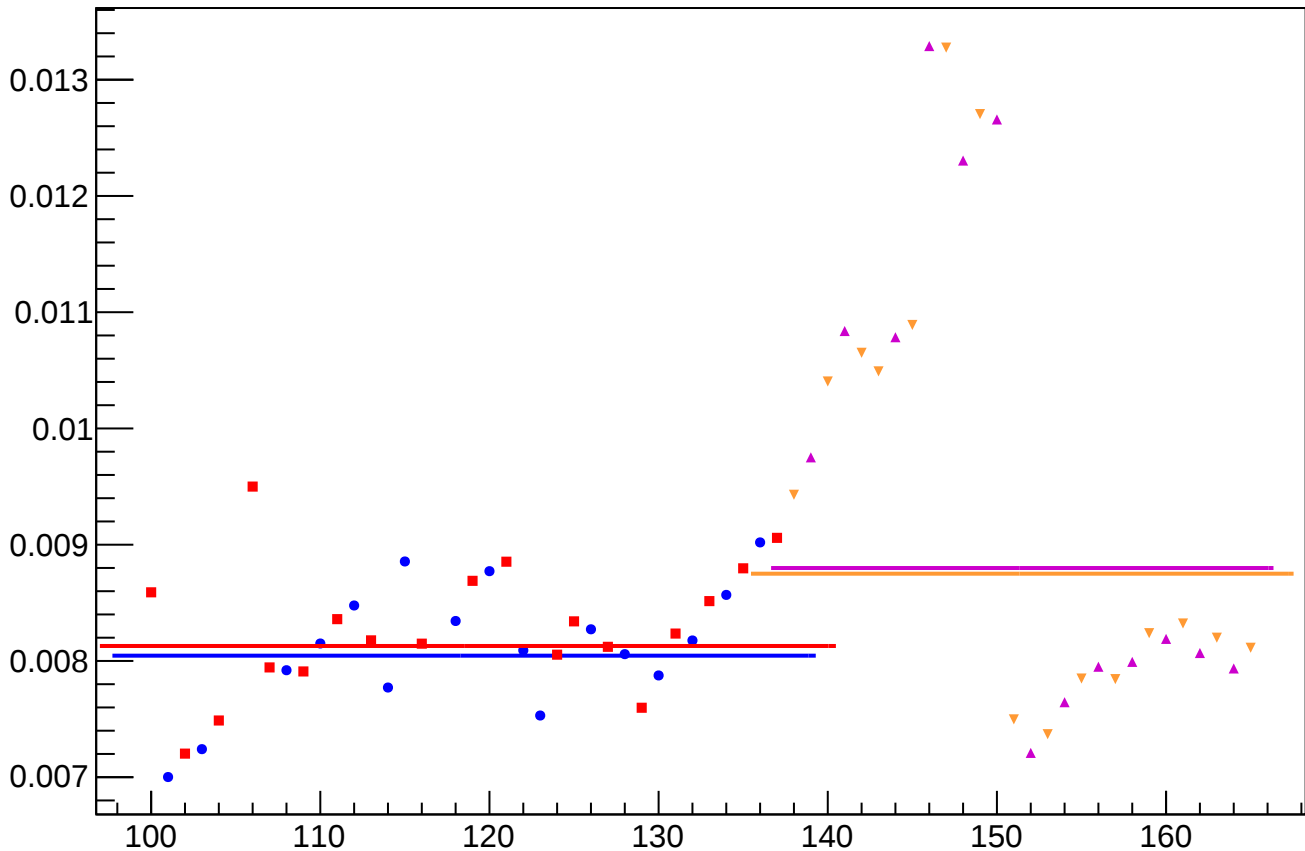
Right Out: -3.521 ± 0.000 χ^2/NDF : 26472007419.8/18

All: -2.888 ± 0.000 χ^2/NDF : 195223420647.2

Left In: -2.437 ± 0.000 χ^2/NDF : 934528236.0/12

- 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 : 589280.7/14

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

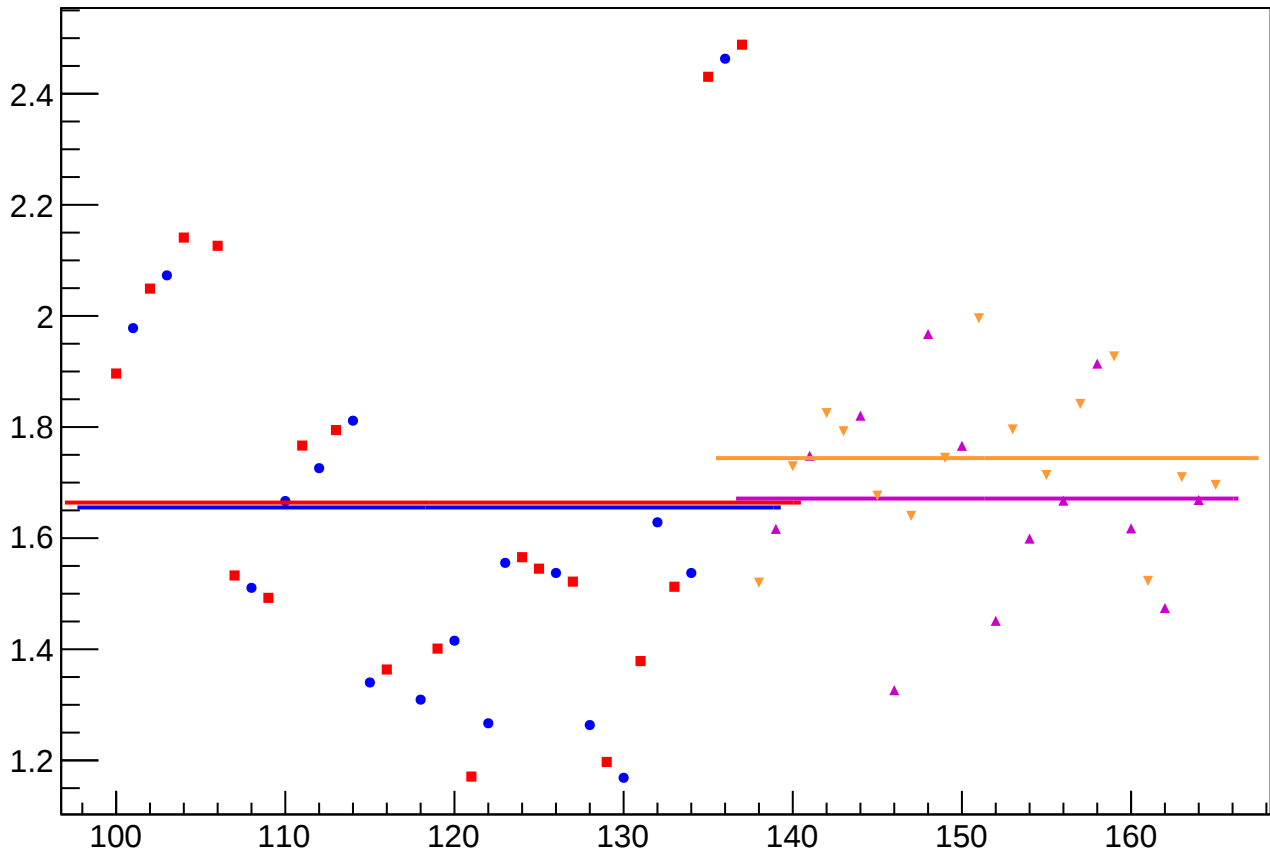
Left In: 0.009+/-0.000 χ^2/NDF : 698669.7/12

+ sign 0.008+/-0.000 χ^2/NDF : 717951.1/31

All: 0.008+/-0.000 χ^2/NDF : 1524393.0/63

- 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: 1.744 $\pm$ 0.000 χ^2 /NDF: 1516556018.0/14

Right Out: 1.664 $\pm$ 0.000 χ^2 /NDF: 5944262279.7/18

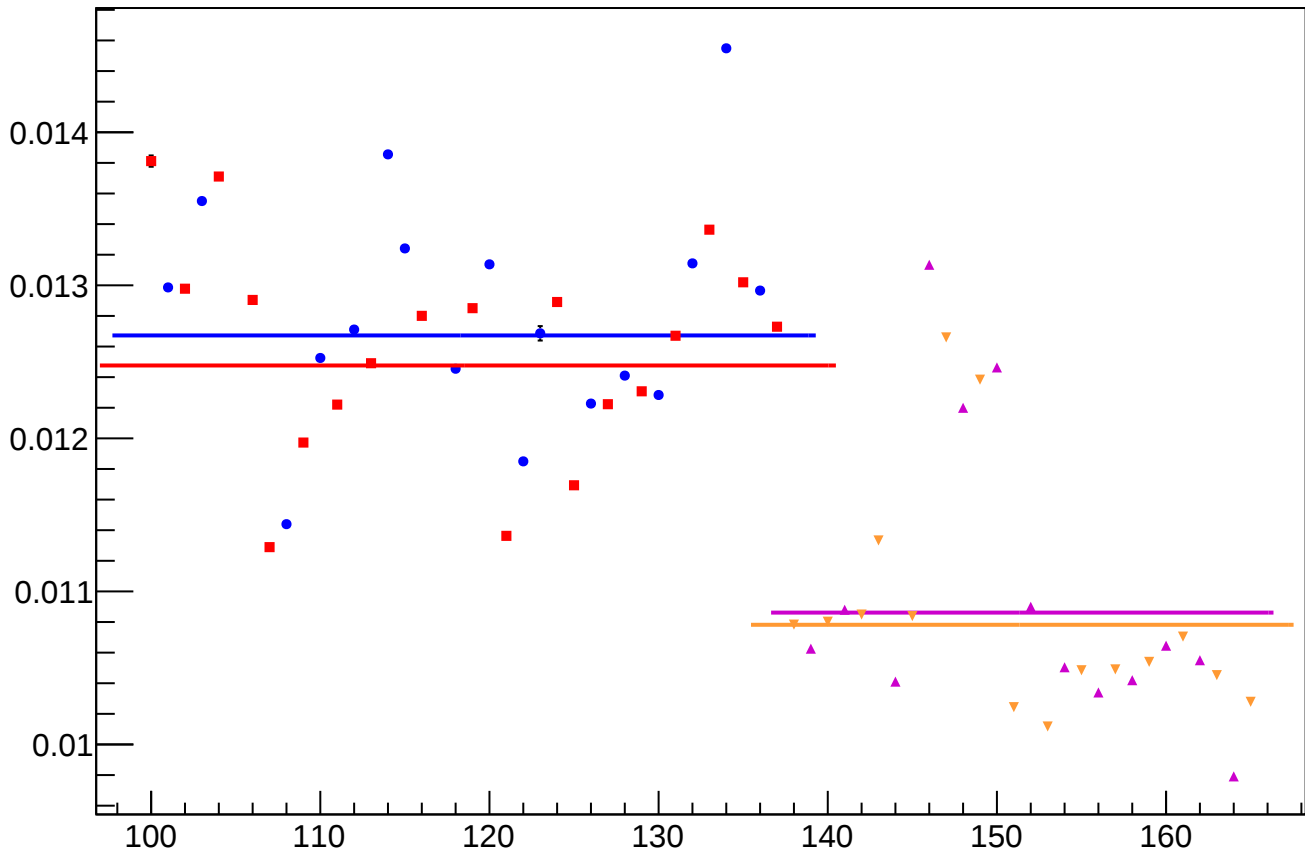
Left In: 1.671 $\pm$ 0.000 χ^2 /NDF: 2242077618.8/12

+ sign 1.716 $\pm$ 0.000 χ^2 /NDF: 8215001473.0/31

All: 1.693 $\pm$ 0.000 χ^2 /NDF: 16549095806.3/6

- 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:77465.1/14

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 39134.8/18

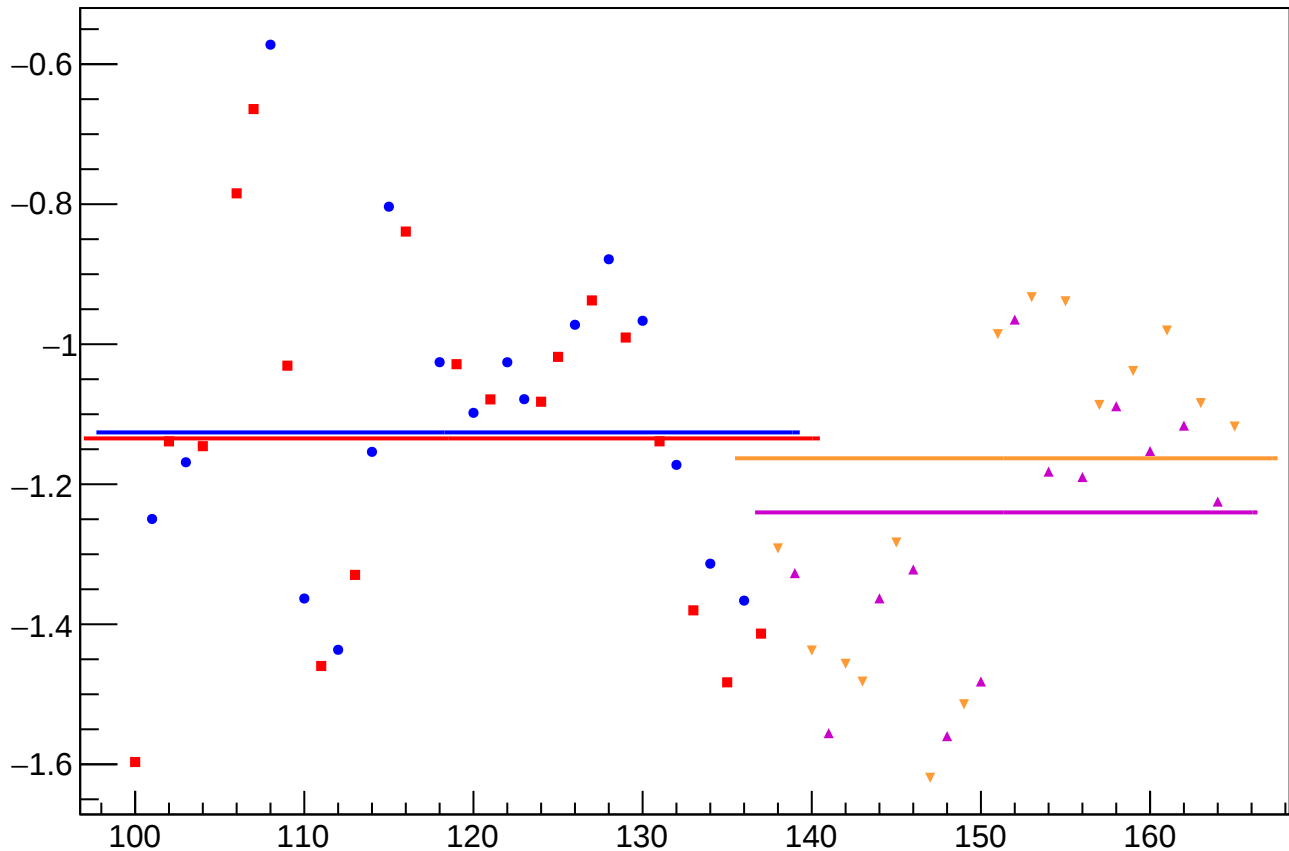
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:113149.4/12

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 310339.2/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 612886.2/63

- 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: -1.163+/-0.000 χ^2/NDF : 7045852664.0/14

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

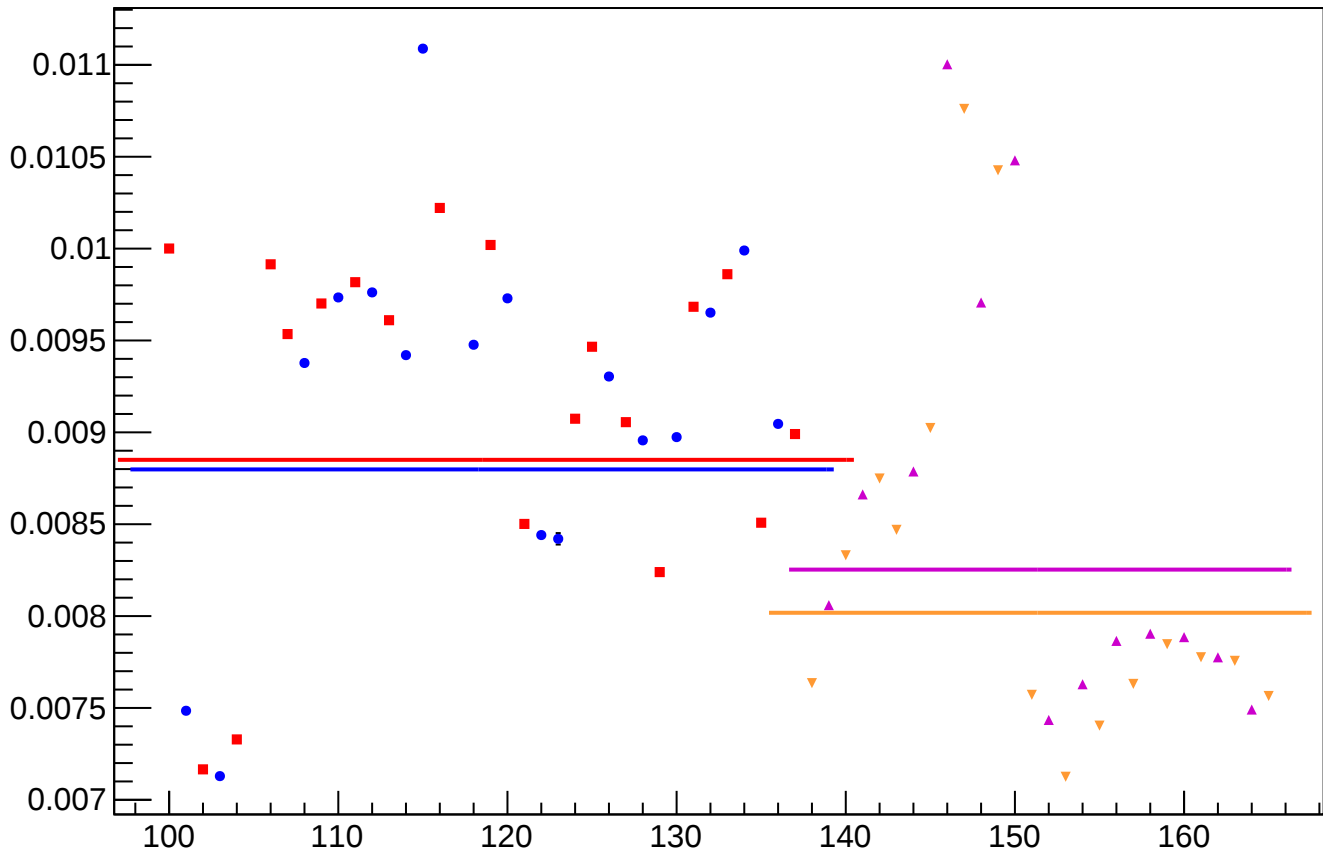
Left In: -1.240+/-0.000 χ^2/NDF : 4215098436.0/12

+ sign -1.150+/-0.000 χ^2/NDF : 10694530484.5/31

All: -1.174+/-0.000 χ^2/NDF : 19462323435.7/31

- sign -1.200+/-0.000 χ^2/NDF : 8478889172.5/31

yield_bpm0i02aY_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 151586.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:233966.7/14

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 173958.0/18

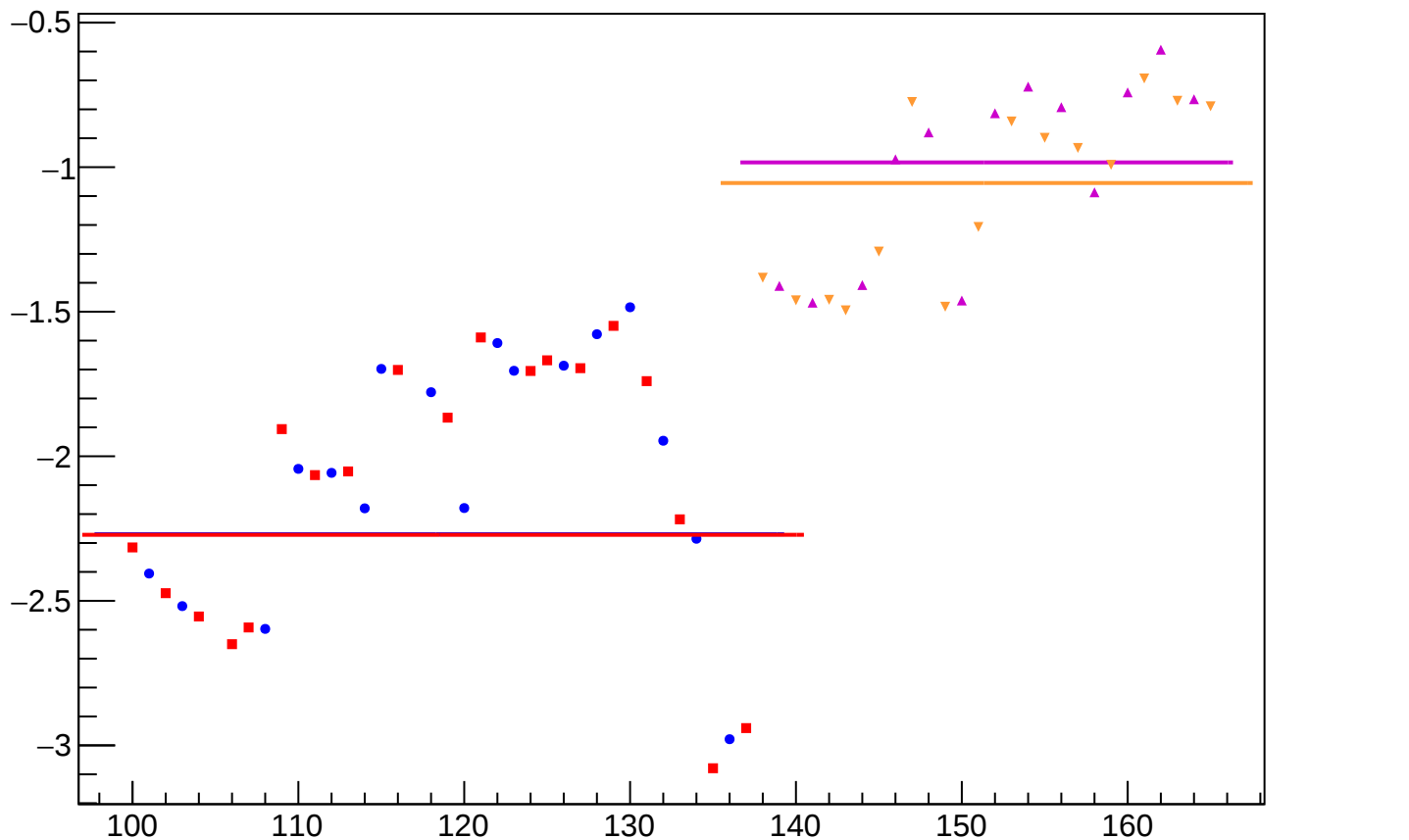
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:241312.3/12

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 451277.7/31

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 912552.5/63

- sign 0.008 $\pm$ 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: -1.055 ± 0.000 χ^2/NDF : 17341774983.6/14

Right Out: -2.272 ± 0.000 χ^2/NDF : 19009331715.4/18

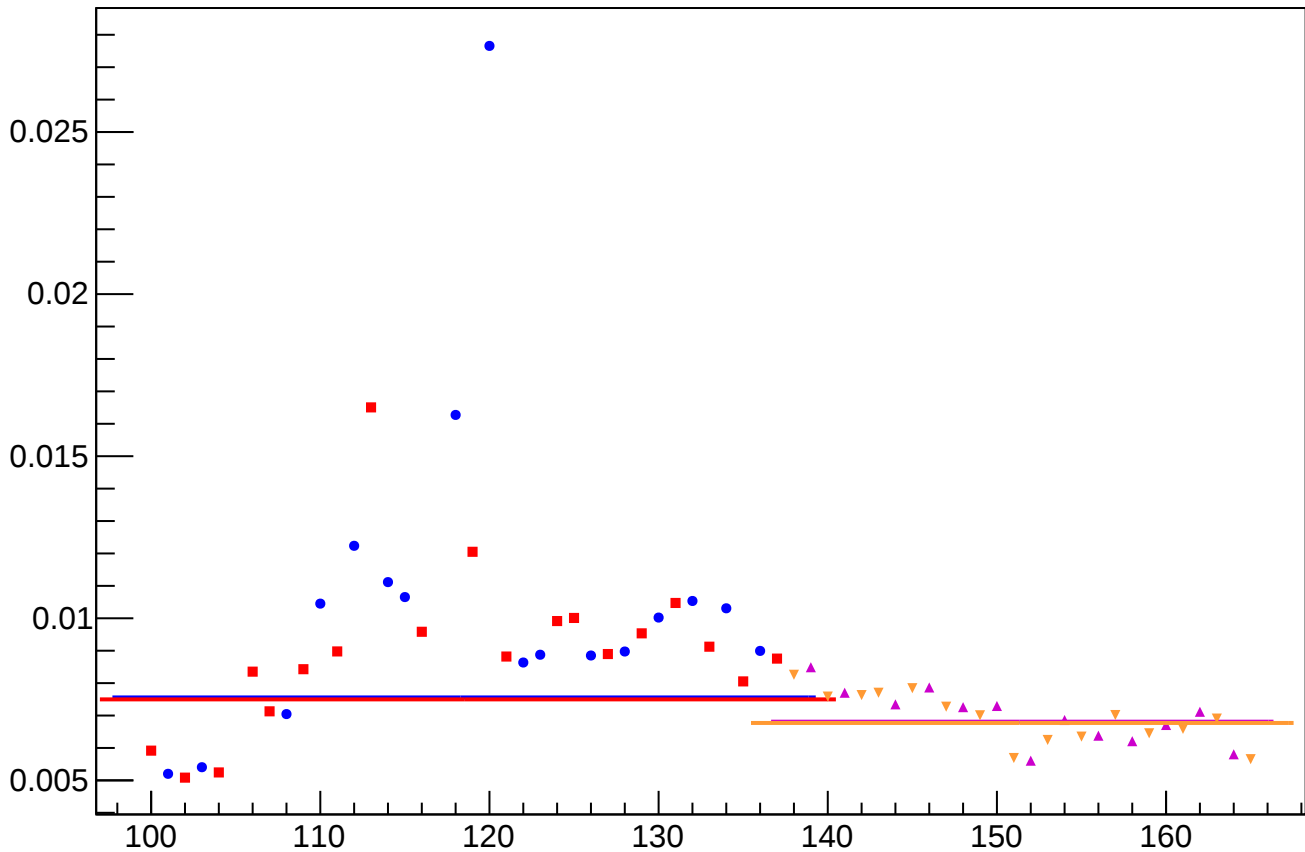
Left In: -0.984 ± 0.000 χ^2/NDF : 17692293361.4/12

+ sign -1.405 ± 0.000 χ^2/NDF : 127257427569.6/31

All: -1.407 ± 0.000 χ^2/NDF : 274745933246.9

- sign -1.408 ± 0.000 χ^2/NDF : 147487503253.4/31

yield_bpm0i05X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1221004.0/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:236993.4/14

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 933998.1/18

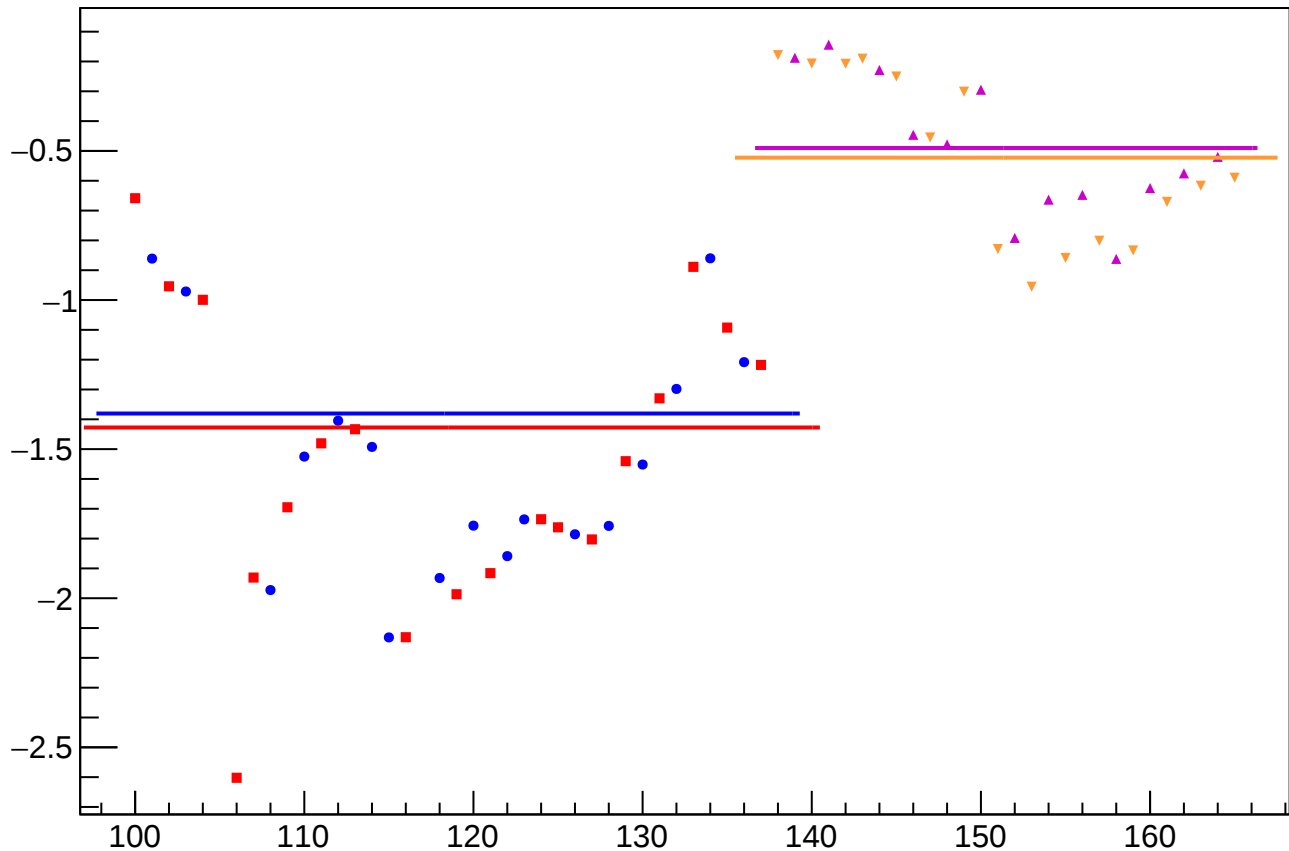
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:246110.9/12

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1535593.1/31

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2779377.8/63

- sign 0.007 $\pm$ 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: -0.523+/-0.000 χ^2/NDF : 44474646594.0/14

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

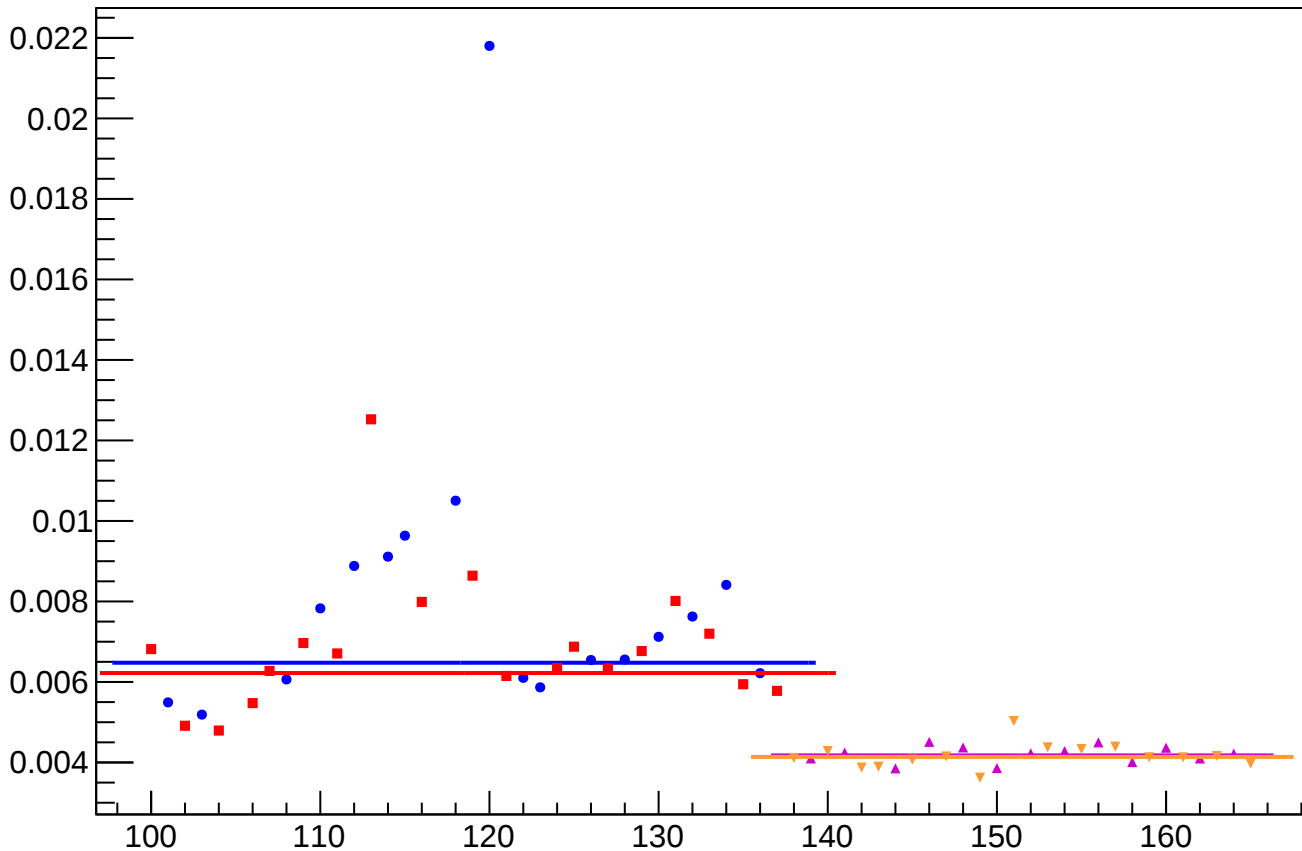
Left In: -0.490+/-0.000 χ^2/NDF : 28051128216.4/12

+ sign -0.679+/-0.000 χ^2/NDF : 142588486817.5/31

All: -0.688+/-0.000 χ^2/NDF : 304324289606.1

- 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 : 89301.2/14

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

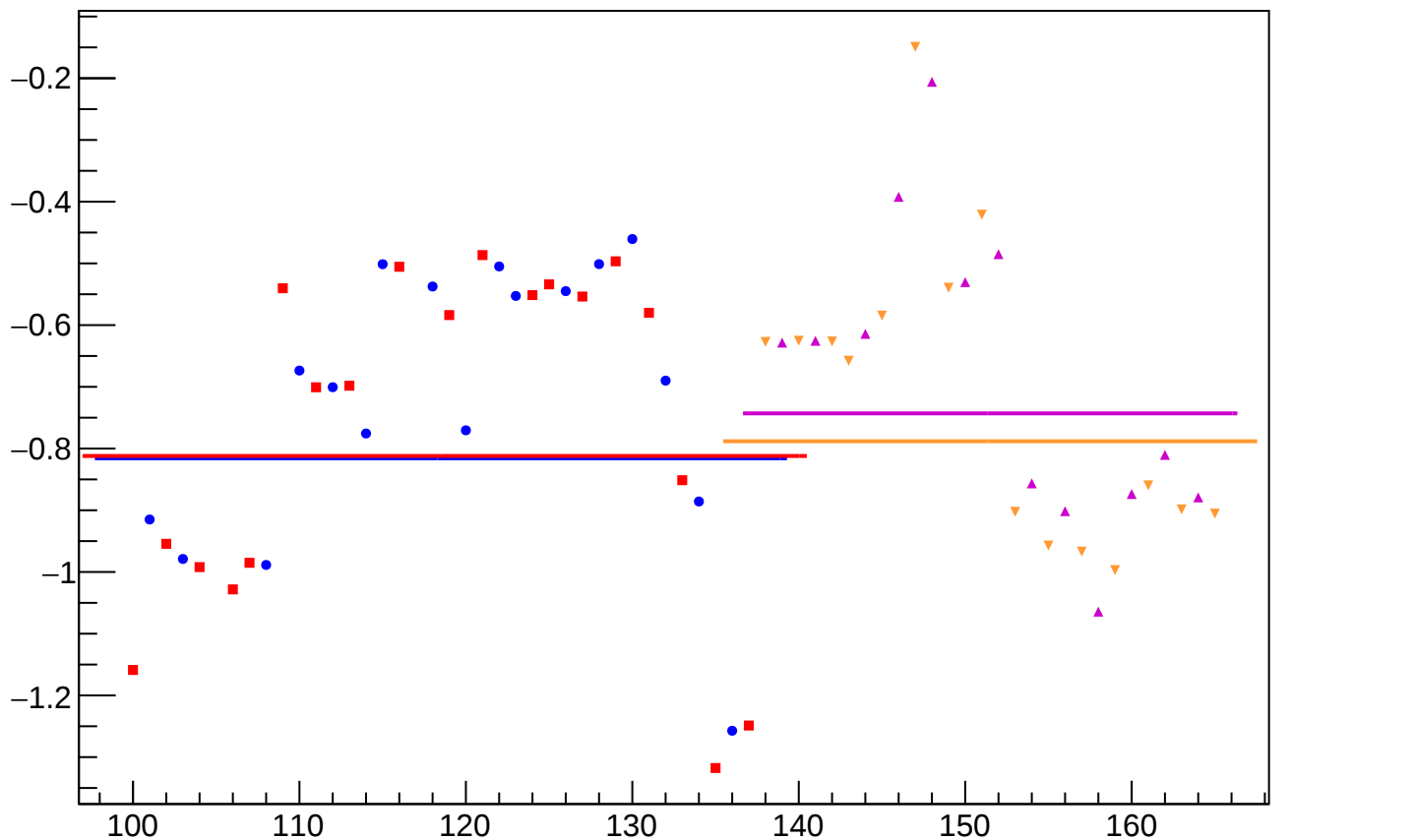
Left In: 0.004+/-0.000 χ^2/NDF : 46757.0/12

+ sign 0.005+/-0.000 χ^2/NDF : 1823895.0/31

All: 0.005+/-0.000 χ^2/NDF : 3287873.8/63

- 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: -0.788+/-0.000 χ^2/NDF : 26133290896.1/14

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

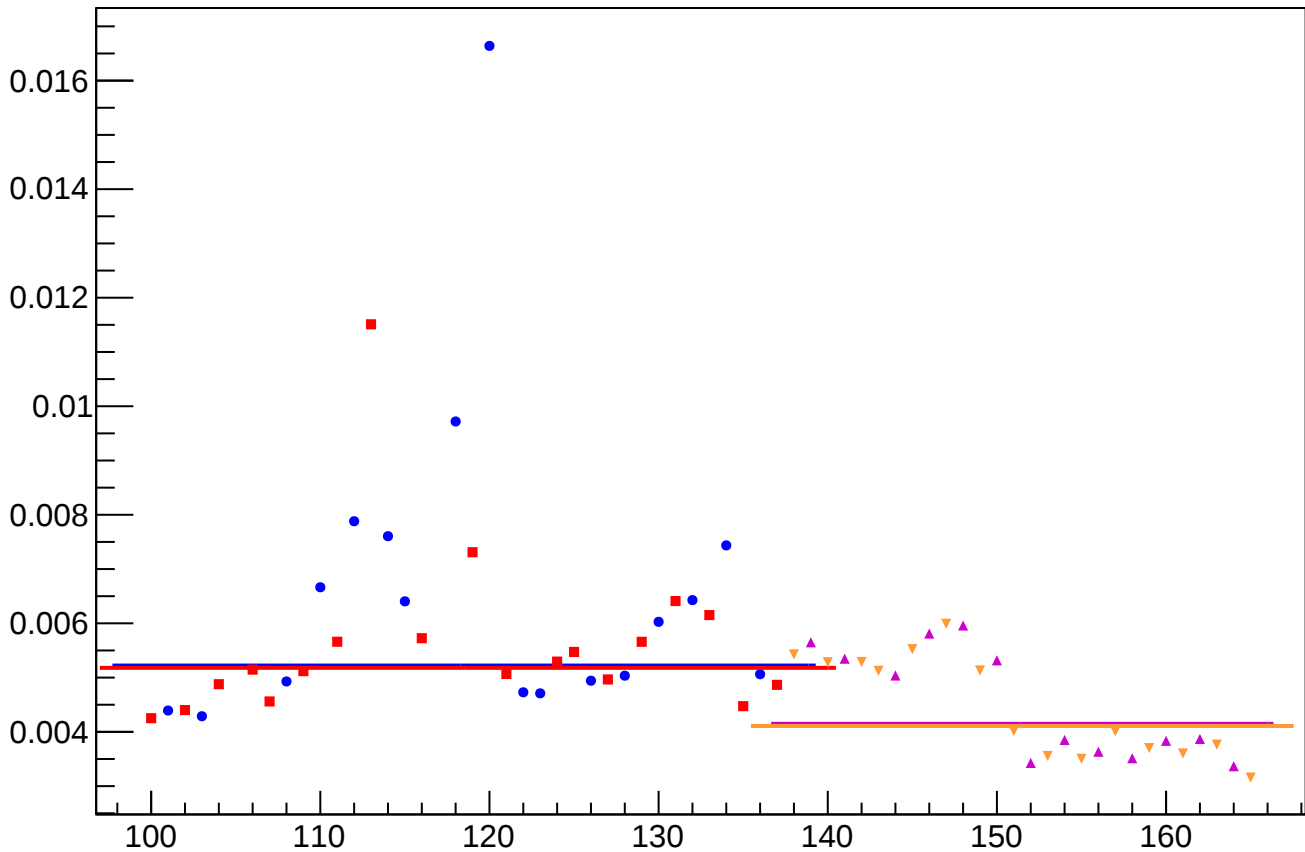
Left In: -0.743+/-0.000 χ^2/NDF : 25937863647.5/12

+ sign -0.795+/-0.000 χ^2/NDF : 40417793844.8/31

All: -0.779+/-0.000 χ^2/NDF : 84303687711.1/31

- 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 : 768983.7/14

Right Out: 0.005+/-0.000 χ^2/NDF : 363781.3/18

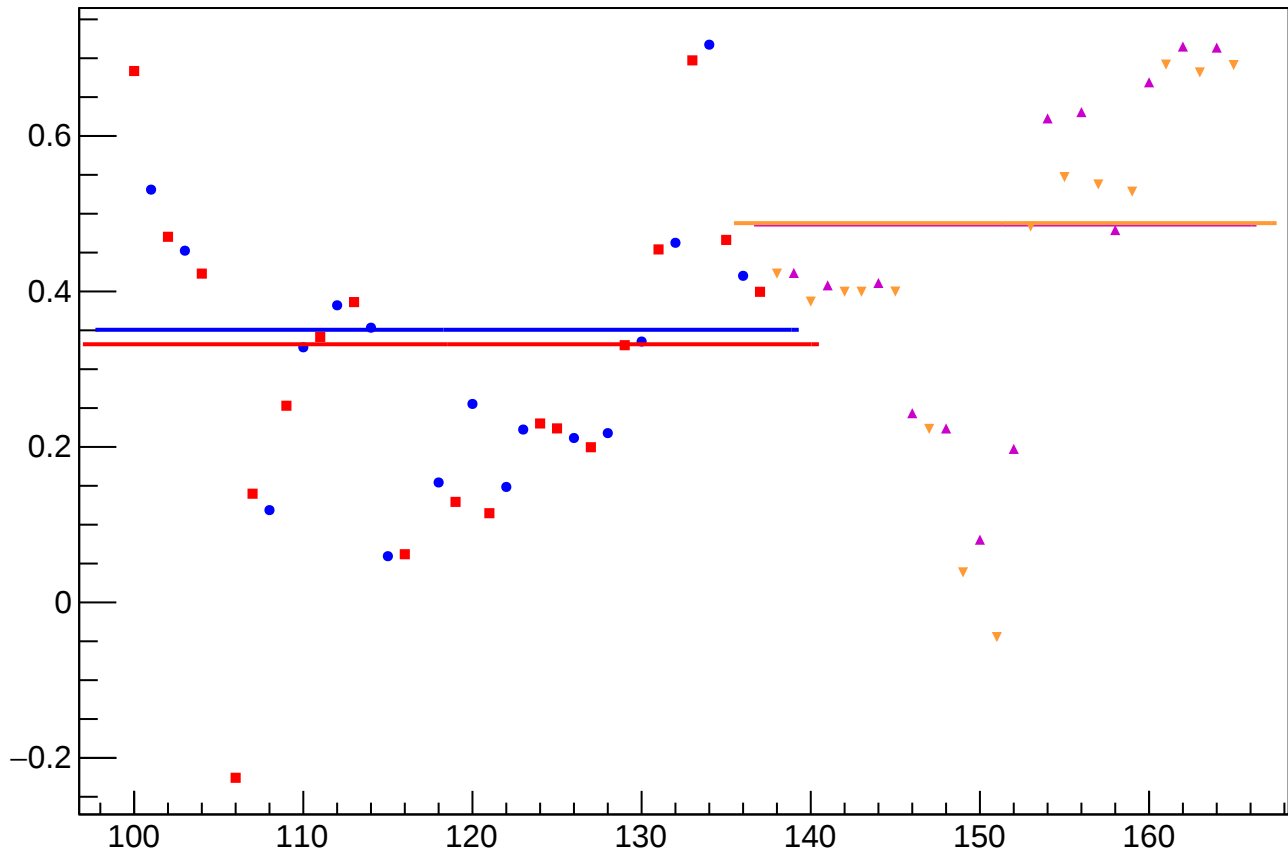
Left In: 0.004+/-0.000 χ^2/NDF : 785042.4/12

+ sign 0.004+/-0.000 χ^2/NDF : 1795689.0/31

All: 0.004+/-0.000 χ^2/NDF : 3279592.8/63

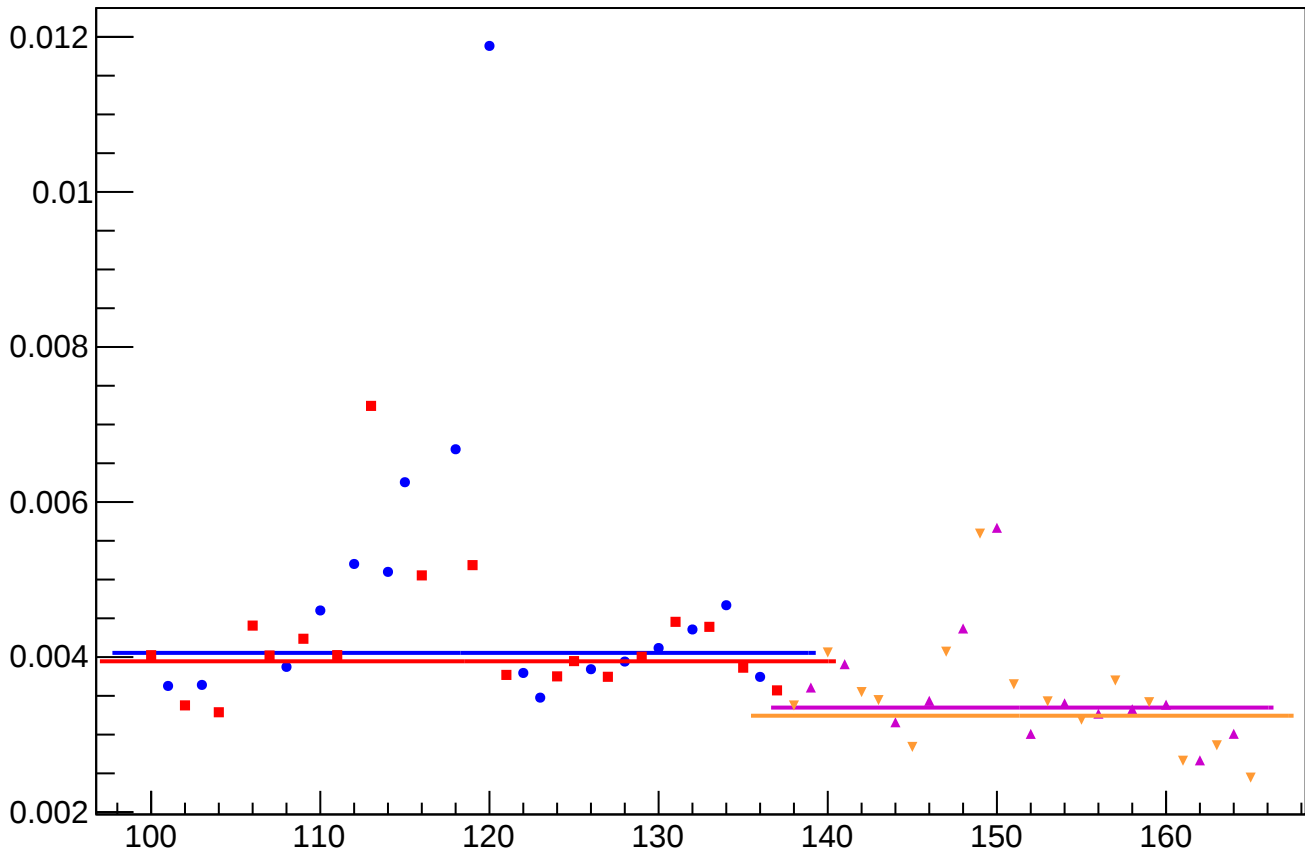
- sign 0.004+/-0.000 χ^2/NDF : 1481125.8/31

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000	χ^2/NDF : 7410859446.3/16	+ sign 0.449+/-0.000	χ^2/NDF : 45920217106.9/31
Left Out: 0.488+/-0.000	χ^2/NDF : 33821105443.9/14	All: 0.442+/-0.000	χ^2/NDF : 94582215165.6/6
Right Out: 0.332+/-0.000	χ^2/NDF : 11796213425.9/18	- sign 0.435+/-0.000	χ^2/NDF : 48536527075.8/31
Left In: 0.486+/-0.000	χ^2/NDF : 30516364840.3/12		

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: 641580.5/14

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

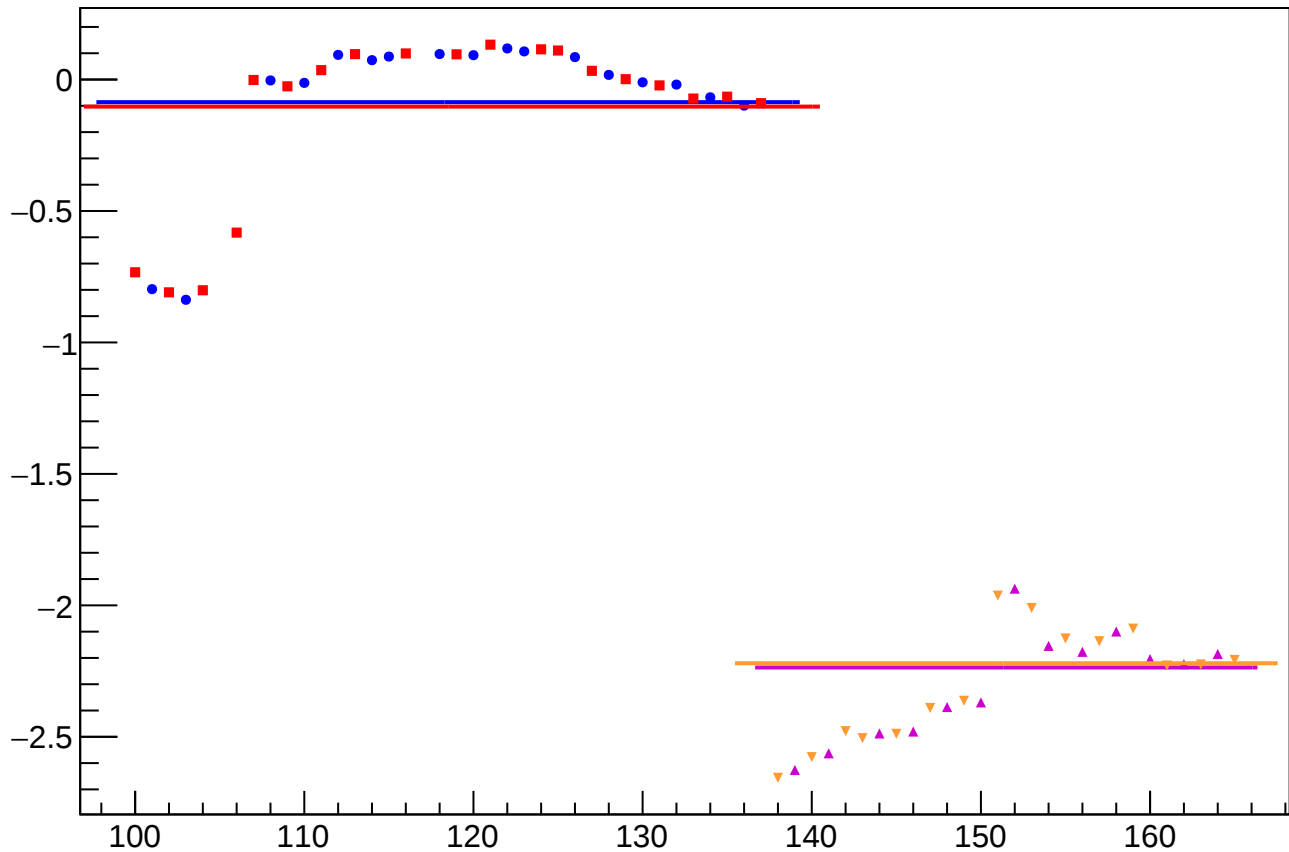
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 497488.2/12

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1424394.6/31

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2376838.6/63

- 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: -2.220+/-0.000 χ^2/NDF : 3414715565.0/14

Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

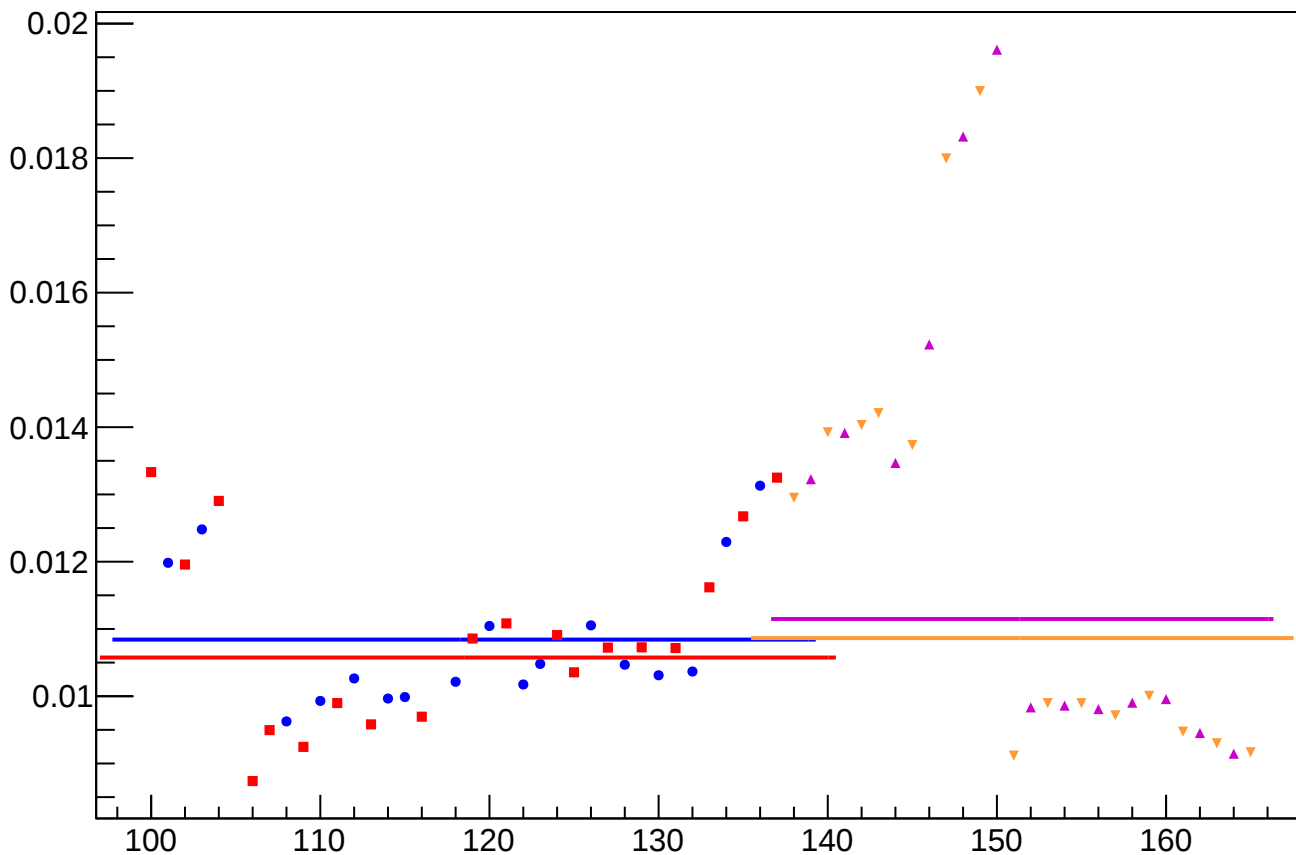
Left In: -2.236+/-0.000 χ^2/NDF : 2682559736.3/12

+ sign -1.390+/-0.000 χ^2/NDF : 165602414576.0/31

All: -1.339+/-0.000 χ^2/NDF : 332856707072.5

- 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 :1071702.9/14

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

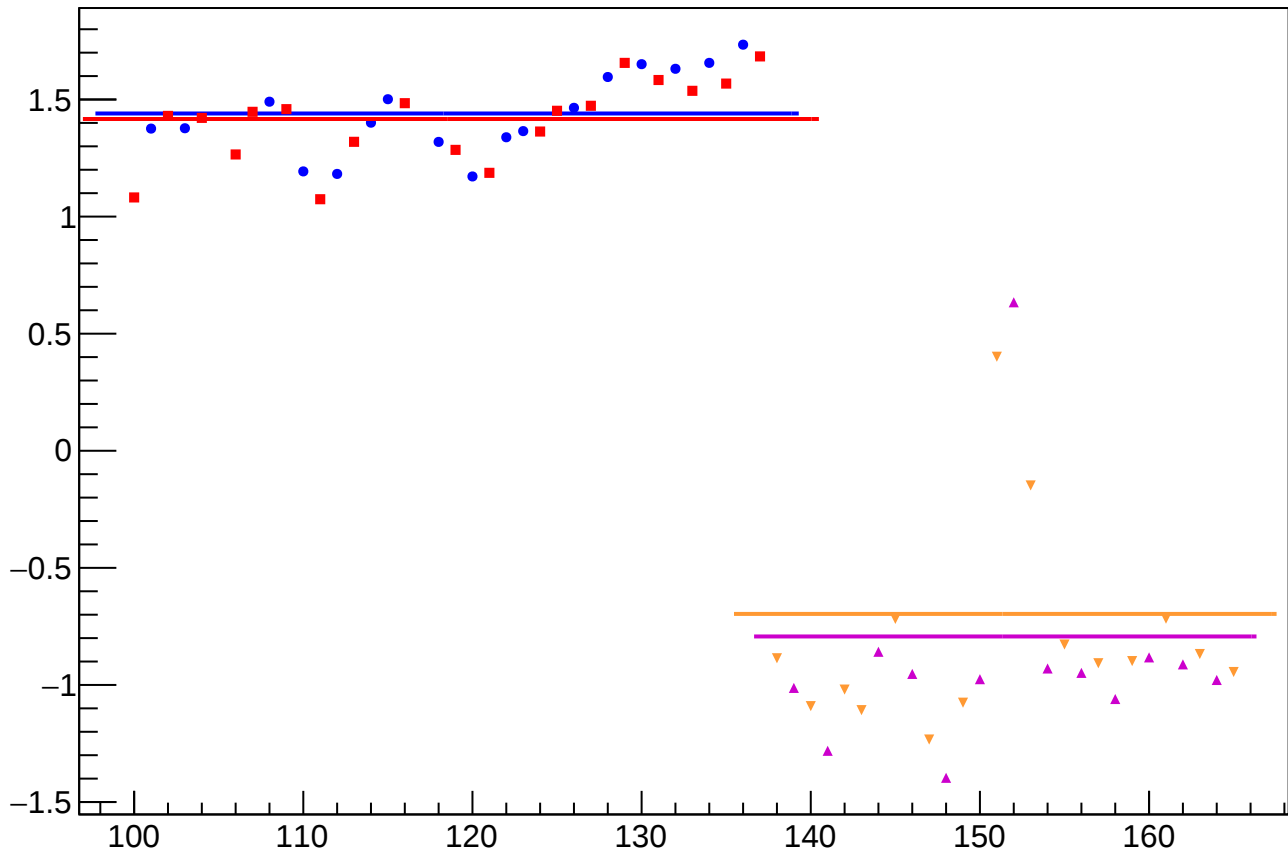
Left In: 0.011+/-0.000 χ^2/NDF :1074101.1/12

+ sign 0.011+/-0.000 χ^2/NDF : 1195998.1/31

All: 0.011+/-0.000 χ^2/NDF : 2472070.8/63

- 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: -0.697 $\pm$ 0.000 χ^2 /NDF: 30350886894.7/14

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

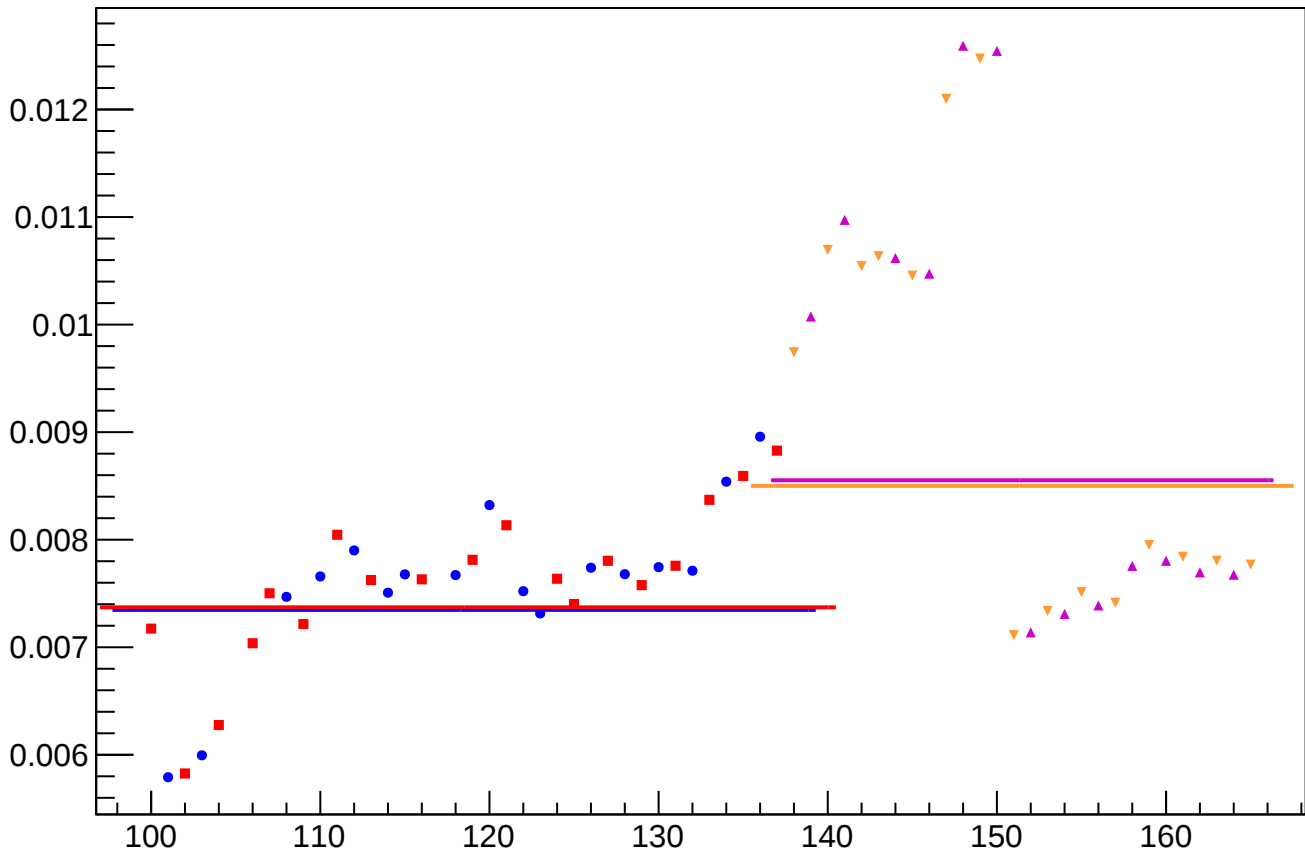
Left In: -0.793 $\pm$ 0.000 χ^2 /NDF: 39490627335.3/12

+ sign 0.271 $\pm$ 0.000 χ^2 /NDF: 338717150952.5/31

All: 0.280 $\pm$ 0.000 χ^2 /NDF: 702898609723.0

- sign 0.288 $\pm$ 0.000 χ^2 /NDF: 364141575153.5/31

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.009+/-0.000 χ^2/NDF : 731051.3/14

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

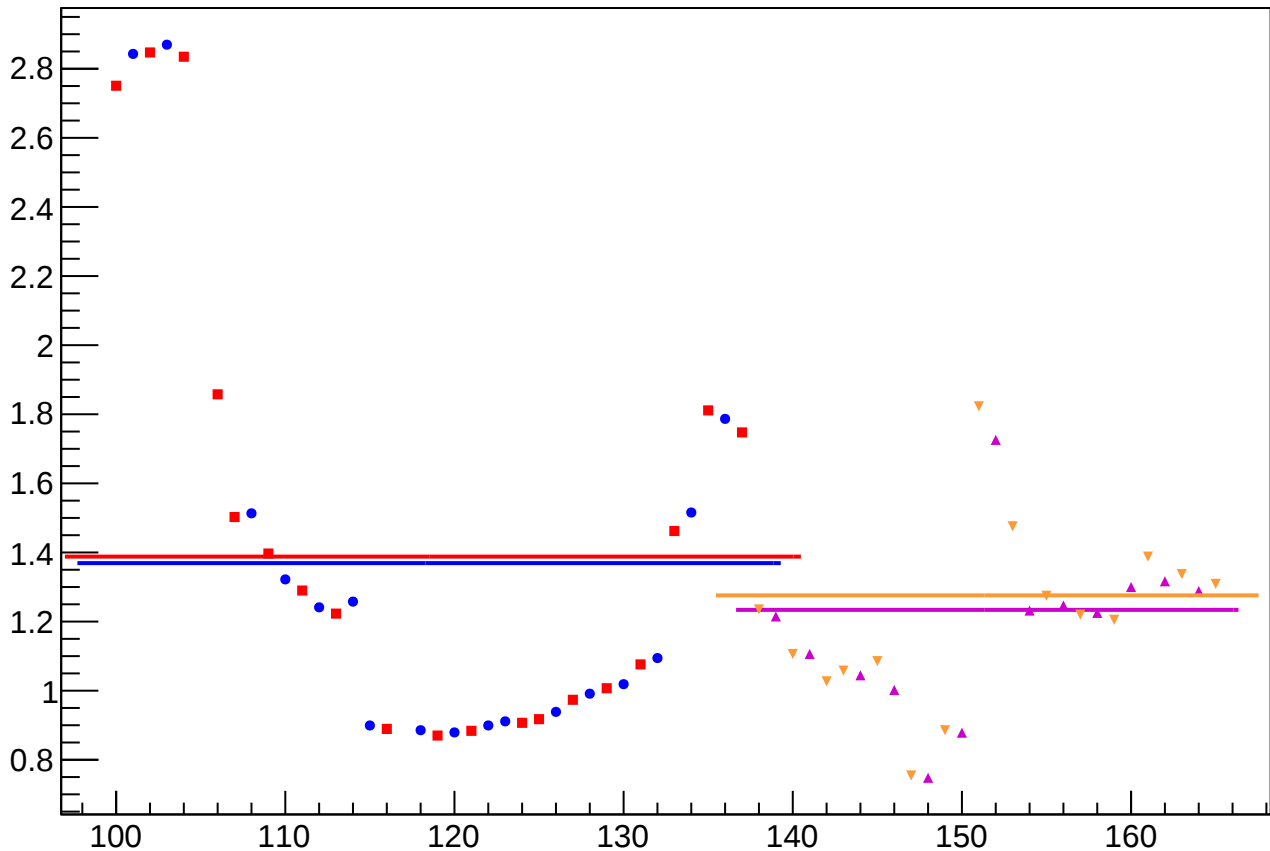
Left In: 0.009+/-0.000 χ^2/NDF : 789945.1/12

+ sign 0.008+/-0.000 χ^2/NDF : 1136644.4/31

All: 0.008+/-0.000 χ^2/NDF : 2283342.0/63

- sign 0.008+/-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: 1.276+/-0.000 χ^2/NDF :9020135426.5/14

Right Out: 1.388+/-0.000 χ^2/NDF : 49900245868.0/18

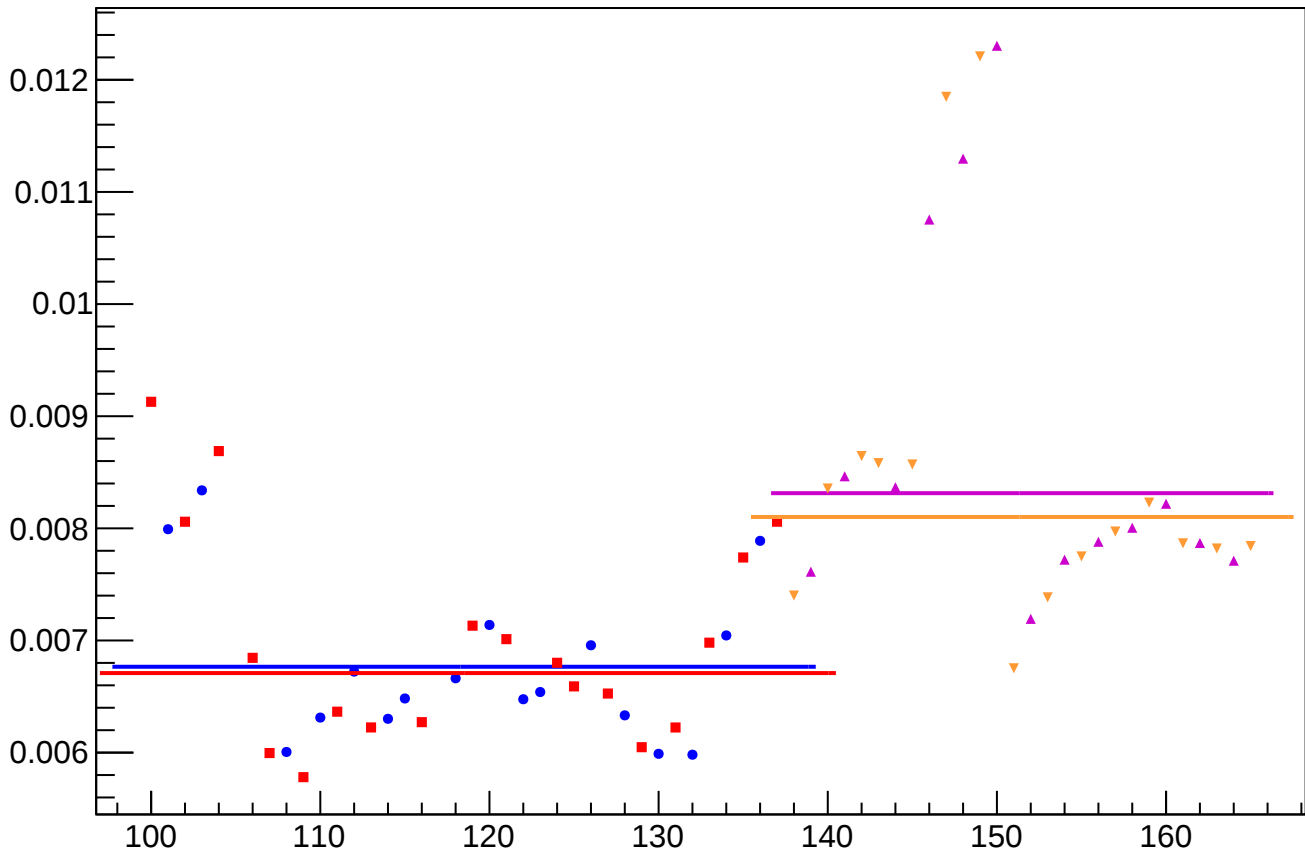
Left In: 1.234+/-0.000 χ^2/NDF :7036107028.5/12

+ sign 1.320+/-0.000 χ^2/NDF : 63885971454.8/31

All: 1.317+/-0.000 χ^2/NDF : 122587685879.5

- sign 1.315+/-0.000 χ^2/NDF : 58696991276.9/31

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 159554.9/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 411126.7/14

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 187826.7/18

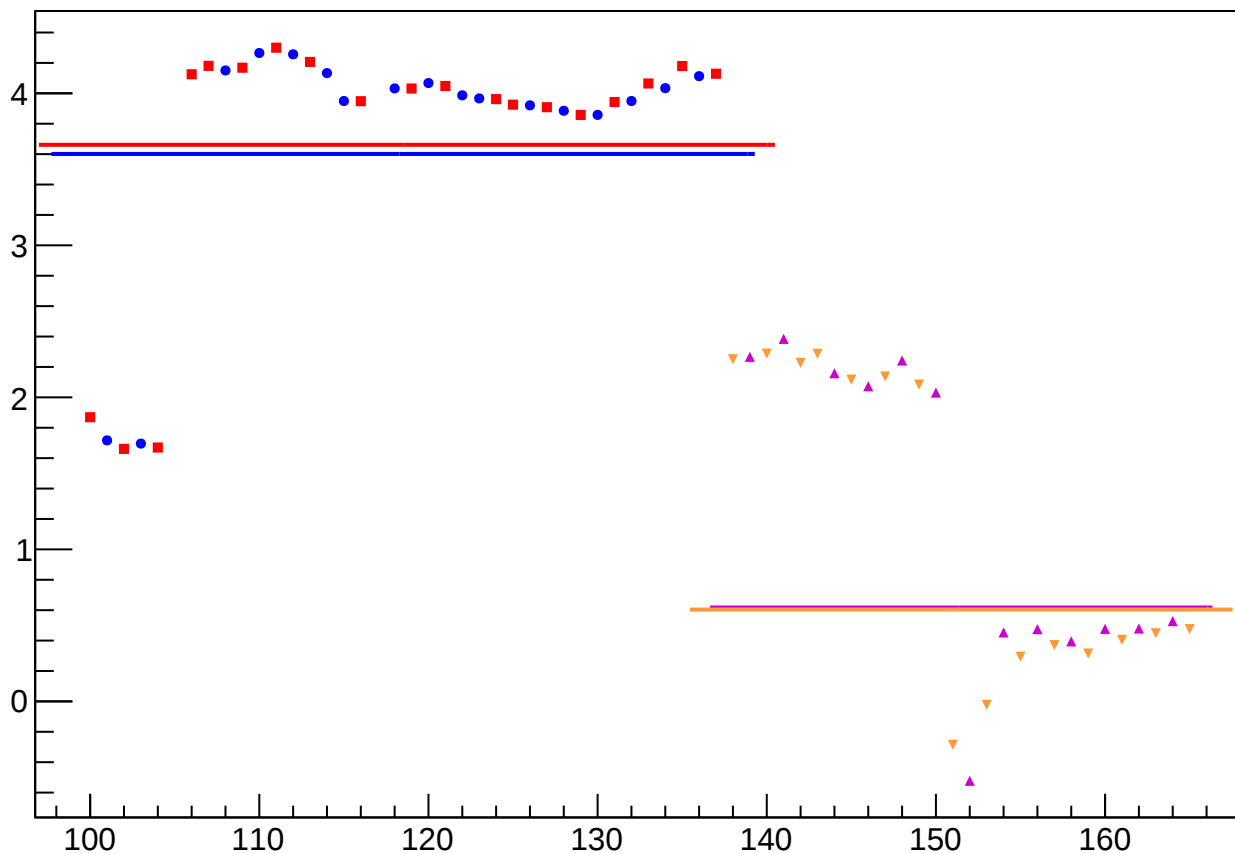
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 427889.4/12

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 841393.1/31

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 1838609.2/63

- sign 0.007 $\pm$ 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: 0.604+/-0.000 χ^2/NDF : 256354750941.5/14

Right Out: 3.661+/-0.000 χ^2/NDF : 192519897222.5/18

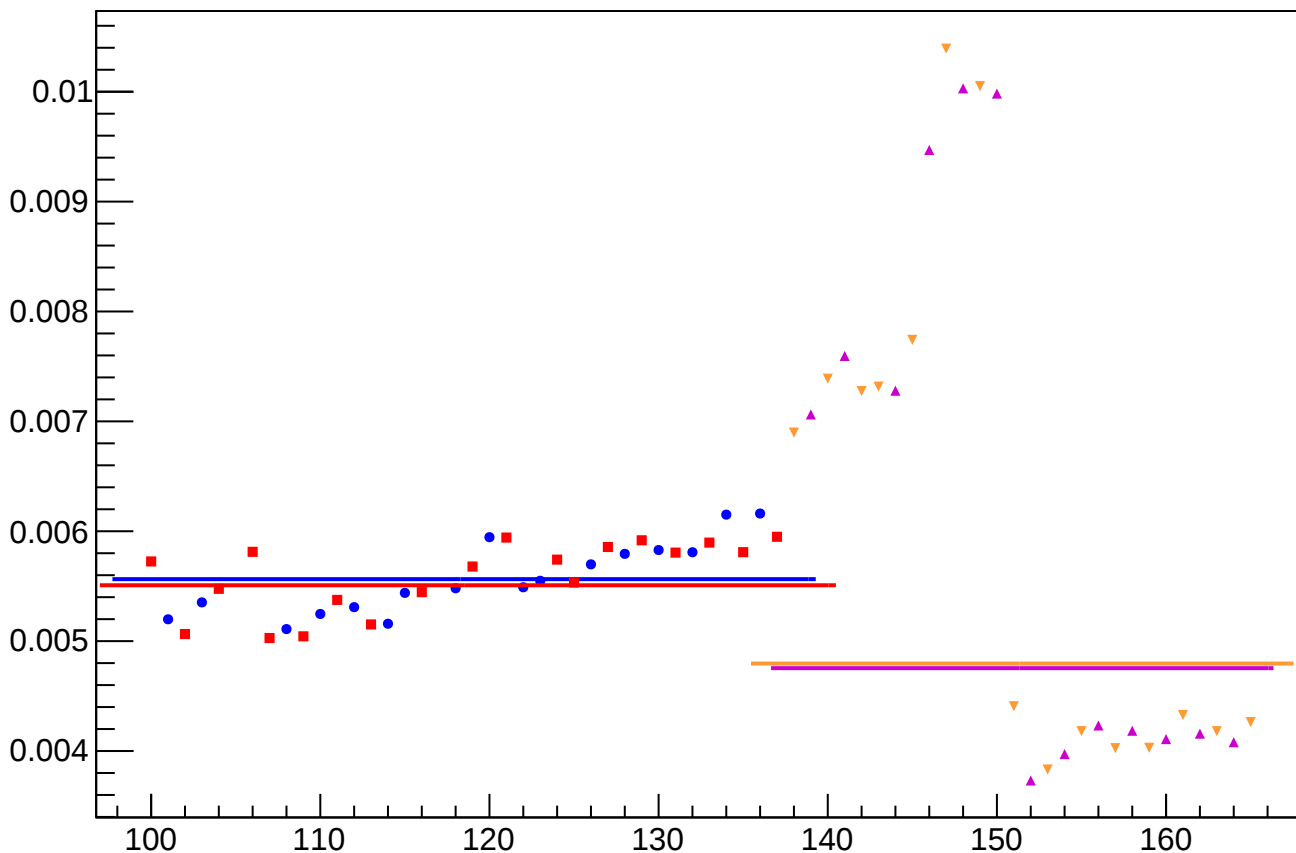
Left In: 0.618+/-0.000 χ^2/NDF : 252115657072.3/12

+ sign 1.628+/-0.000 χ^2/NDF : 1719126358251.7/31

All: 1.685+/-0.000 χ^2/NDF : 3505801405644.

- 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 : 1896328.5/14

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

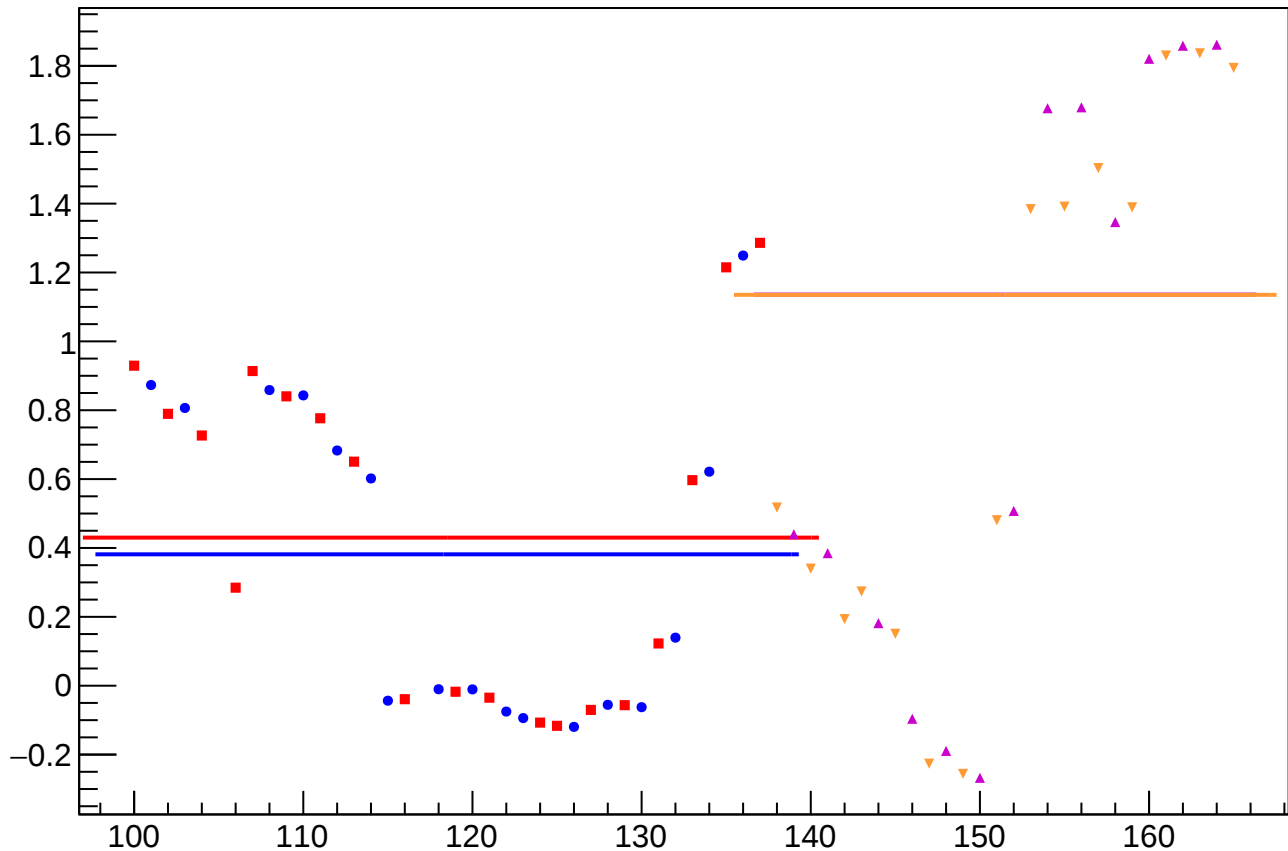
Left In: 0.005+/-0.000 χ^2/NDF : 2092628.9/12

+ sign 0.005+/-0.000 χ^2/NDF : 2111673.4/31

All: 0.005+/-0.000 χ^2/NDF : 4421726.1/63

- sign 0.005+/-0.000 χ^2/NDF : 2309658.7/31

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 1.135+/-0.000 χ^2/NDF : 34775663070.6/14

Right Out: 0.430+/-0.000 χ^2/NDF : 6676199135.9/18

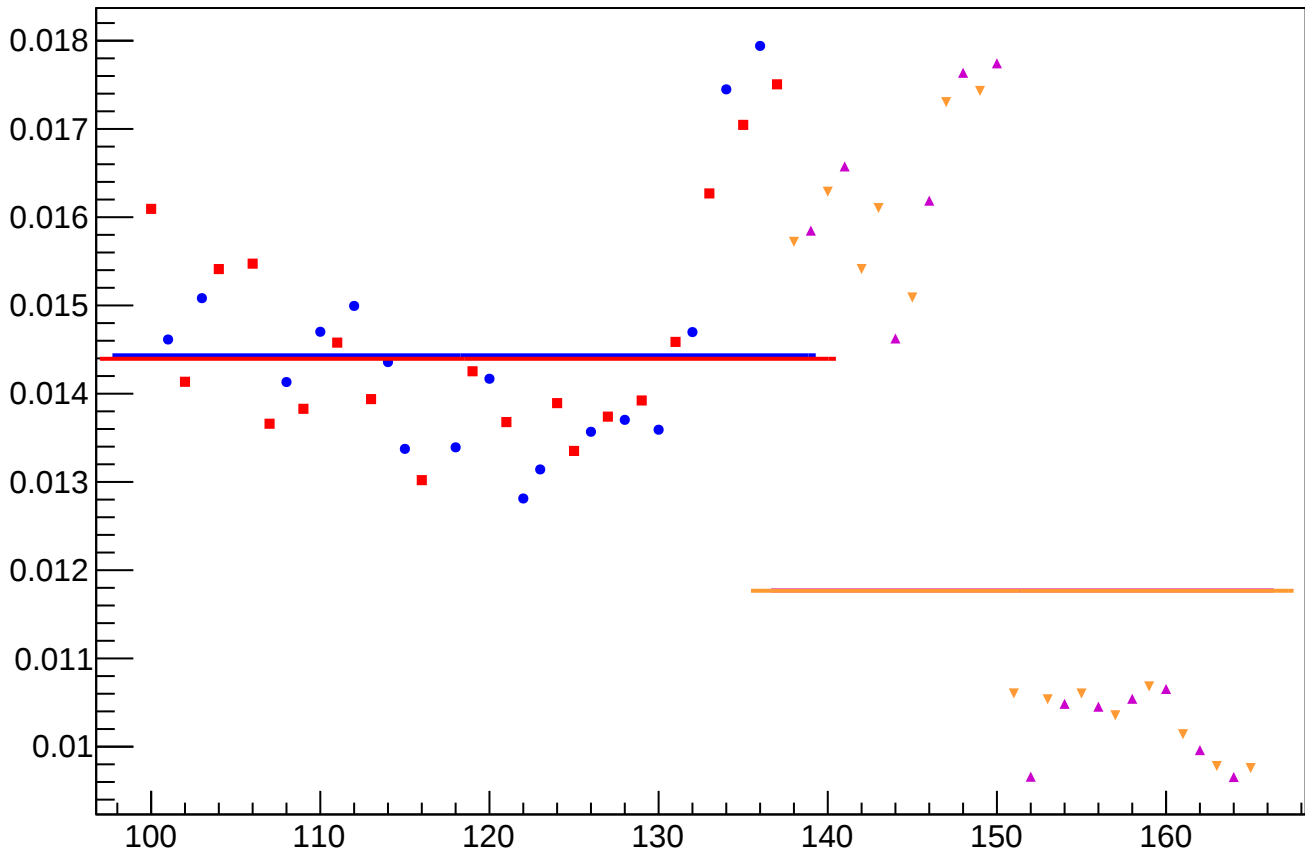
Left In: 1.136+/-0.000 χ^2/NDF : 39699304489.2/12

+ sign 0.911+/-0.000 χ^2/NDF : 54588162003.6/31

All: 0.909+/-0.000 χ^2/NDF : 112236015255.9

- sign 0.907+/-0.000 χ^2/NDF : 57646762376.3/31

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.012+/-0.000 χ^2/NDF : 1007747.0/14

Right Out: 0.014+/-0.000 χ^2/NDF : 74531.6/18

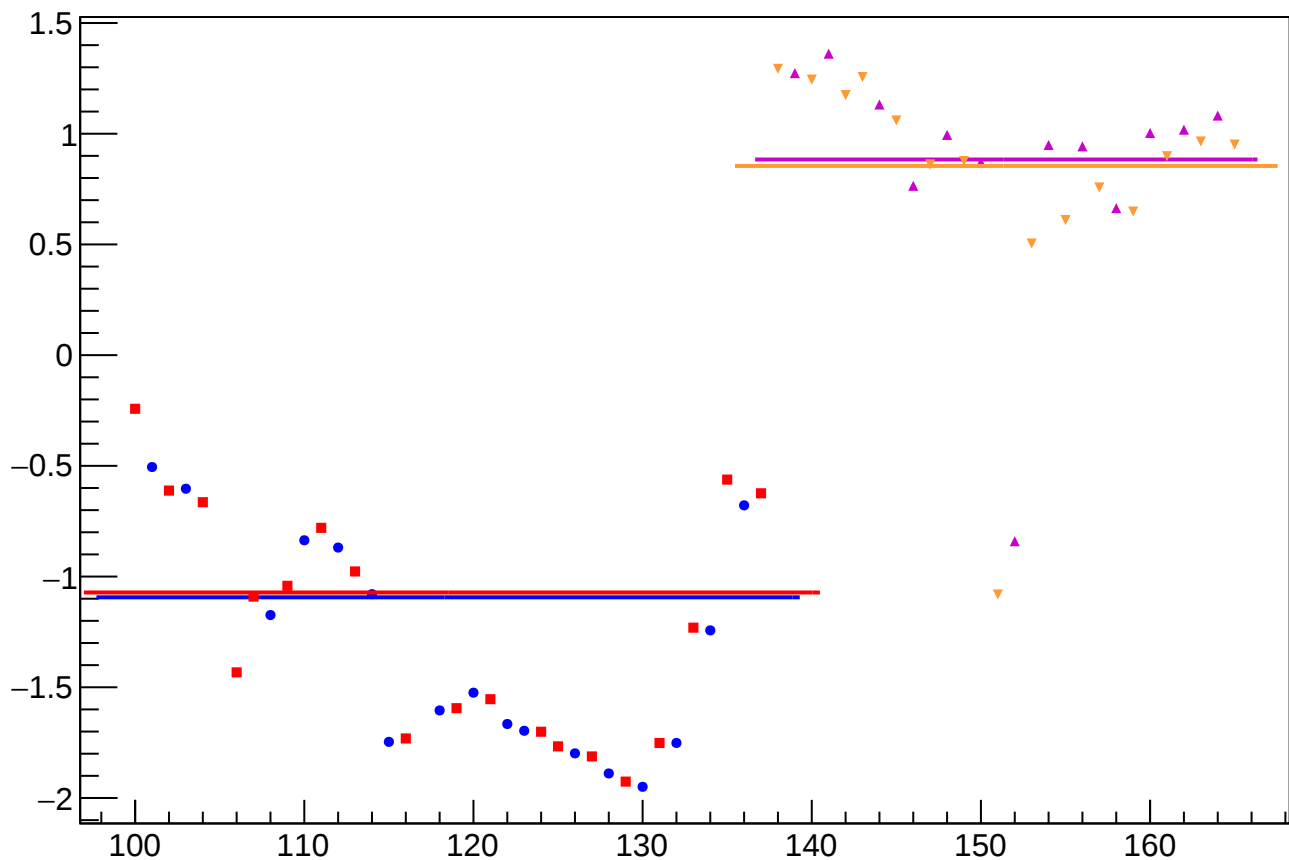
Left In: 0.012+/-0.000 χ^2/NDF : 1055638.2/12

+ sign 0.013+/-0.000 χ^2/NDF : 1436097.7/31

All: 0.013+/-0.000 χ^2/NDF : 2878533.6/63

- sign 0.013+/-0.000 χ^2/NDF : 1442012.3/31

yield_bpm1i06Y_mean vs Slug



Right In: -1.094 ± 0.000 $\chi^2/\text{NDF}: 55960104370.4/16$

Left Out: 0.854 ± 0.000 $\chi^2/\text{NDF}: 124470197184.3/14$

Right Out: -1.072 ± 0.000 $\chi^2/\text{NDF}: 46896017480.0/18$

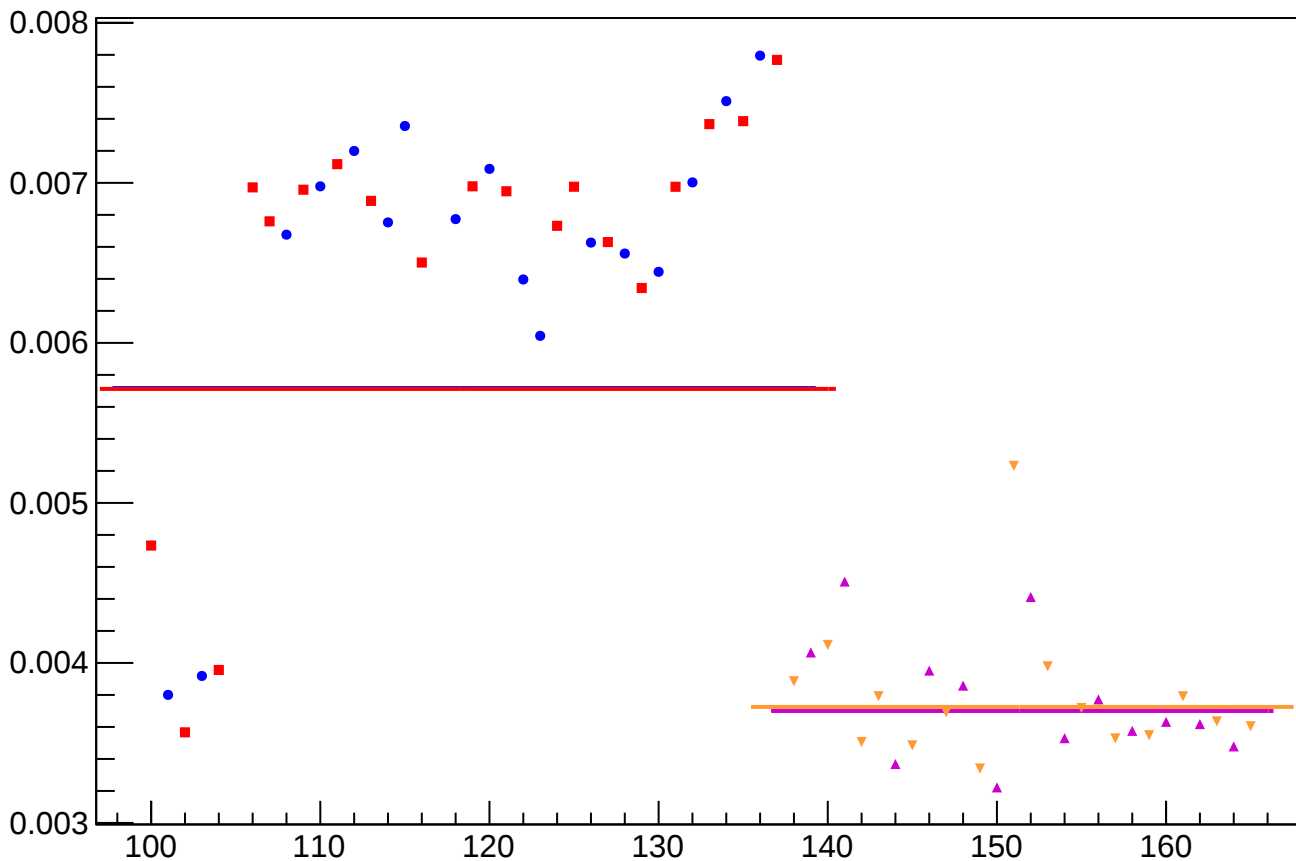
Left In: 0.884 ± 0.000 $\chi^2/\text{NDF}: 145610756824.5/12$

+ sign 0.459 ± 0.000 $\chi^2/\text{NDF}: 729859294216.5/31$

All: 0.457 ± 0.000 $\chi^2/\text{NDF}: 1486249633301.0/31$

- sign 0.455 ± 0.000 $\chi^2/\text{NDF}: 756383756424.3/31$

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:160835.1/14

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 923899.1/18

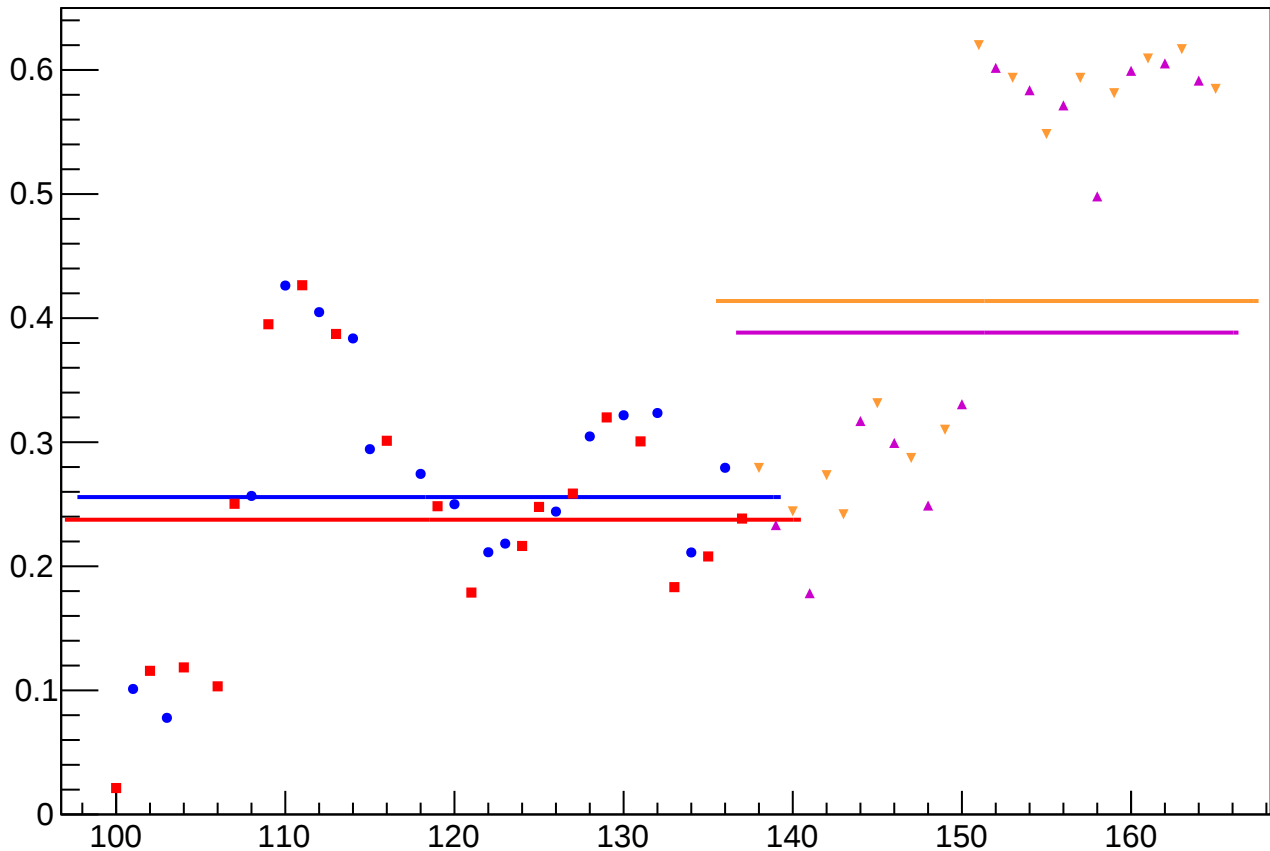
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:168858.5/12

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2148022.9/31

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4435570.0/63

- 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: 0.414+/-0.000 χ^2/NDF : 75249535084.2/14

Right Out: 0.238+/-0.000 χ^2/NDF : 26057284646.9/18

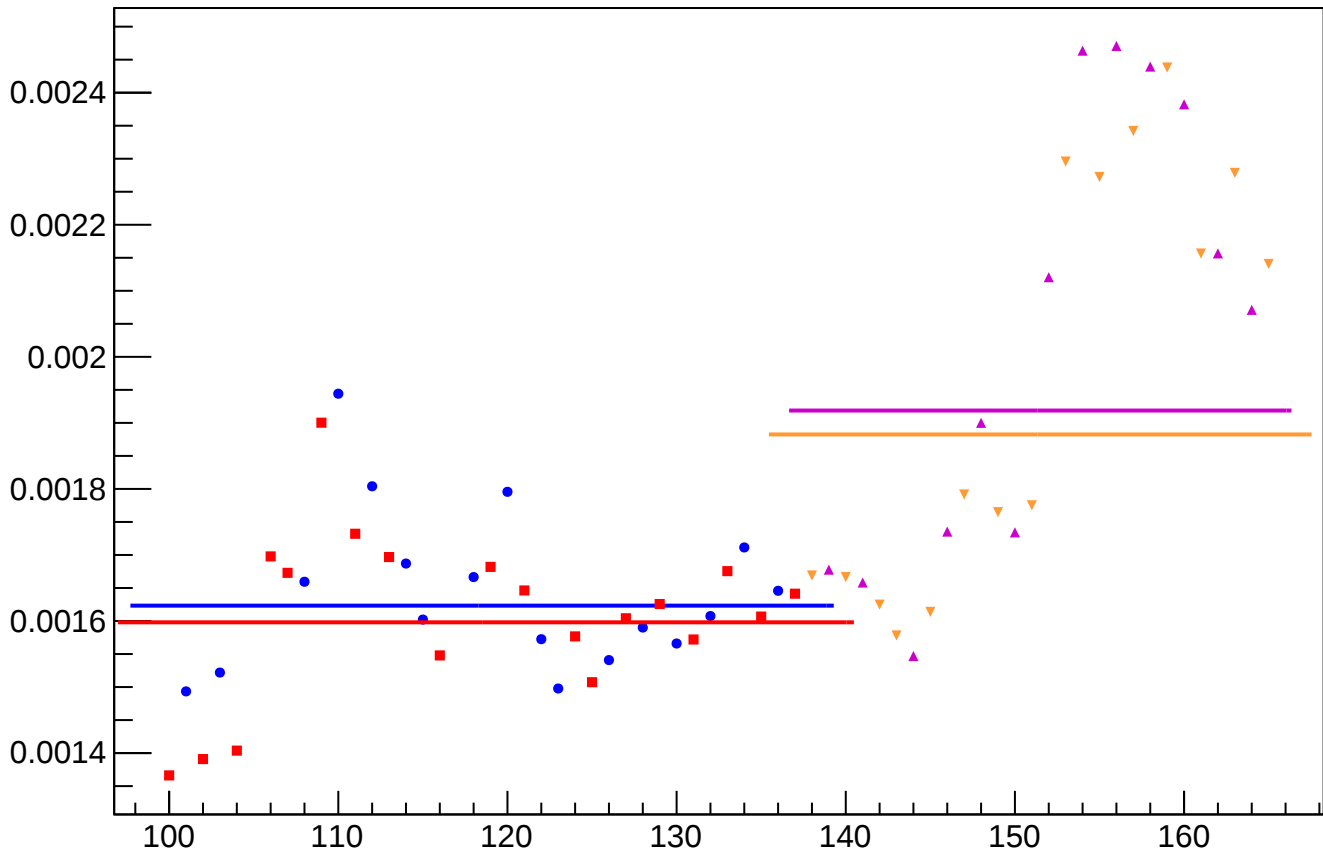
Left In: 0.388+/-0.000 χ^2/NDF : 66766521798.4/12

+ sign 0.343+/-0.000 χ^2/NDF : 130390202589.0/31

All: 0.328+/-0.000 χ^2/NDF : 256466776877.0

- 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 : 508121.9/14

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

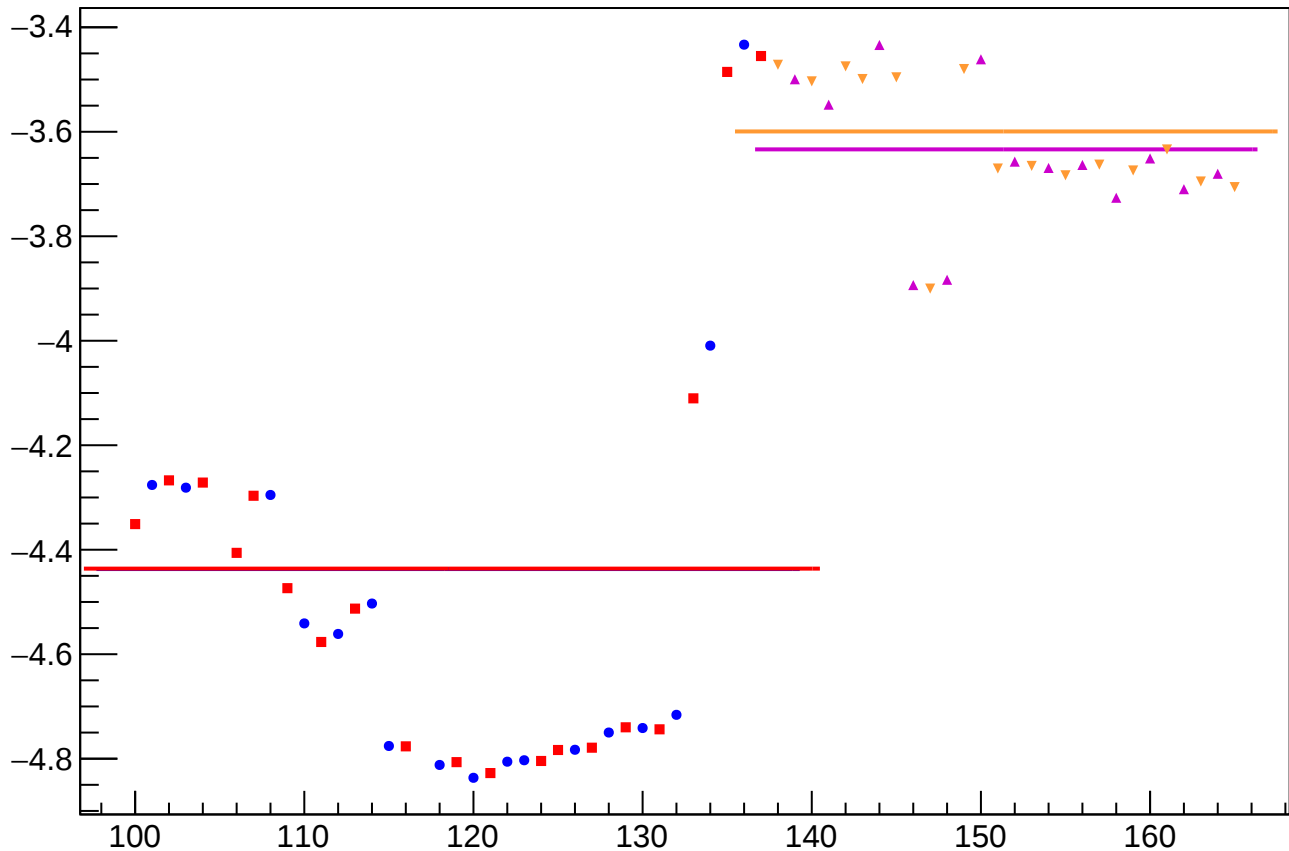
Left In: 0.002+/-0.000 χ^2/NDF : 535060.3/12

+ sign 0.002+/-0.000 χ^2/NDF : 742371.7/31

All: 0.002+/-0.000 χ^2/NDF : 1645768.1/63

- 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: -3.599+/-0.000 χ^2/NDF : 32363984154.4/14

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

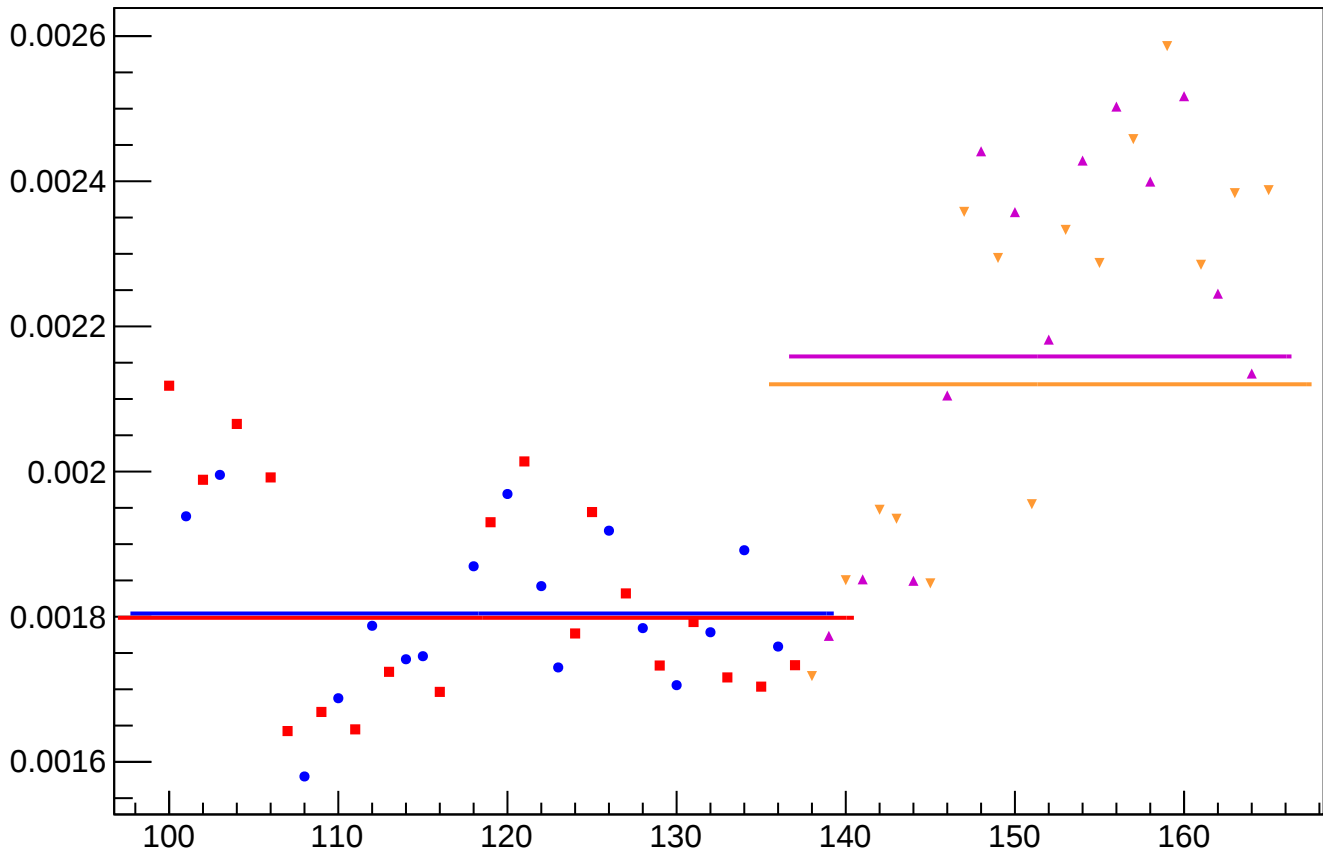
Left In: -3.634+/-0.000 χ^2/NDF : 42698701904.6/12

+ sign -3.983+/-0.000 χ^2/NDF : 1184962318645.1/3

All: -4.008+/-0.000 χ^2/NDF : 2243686276915

- 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 :338036.6/14

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

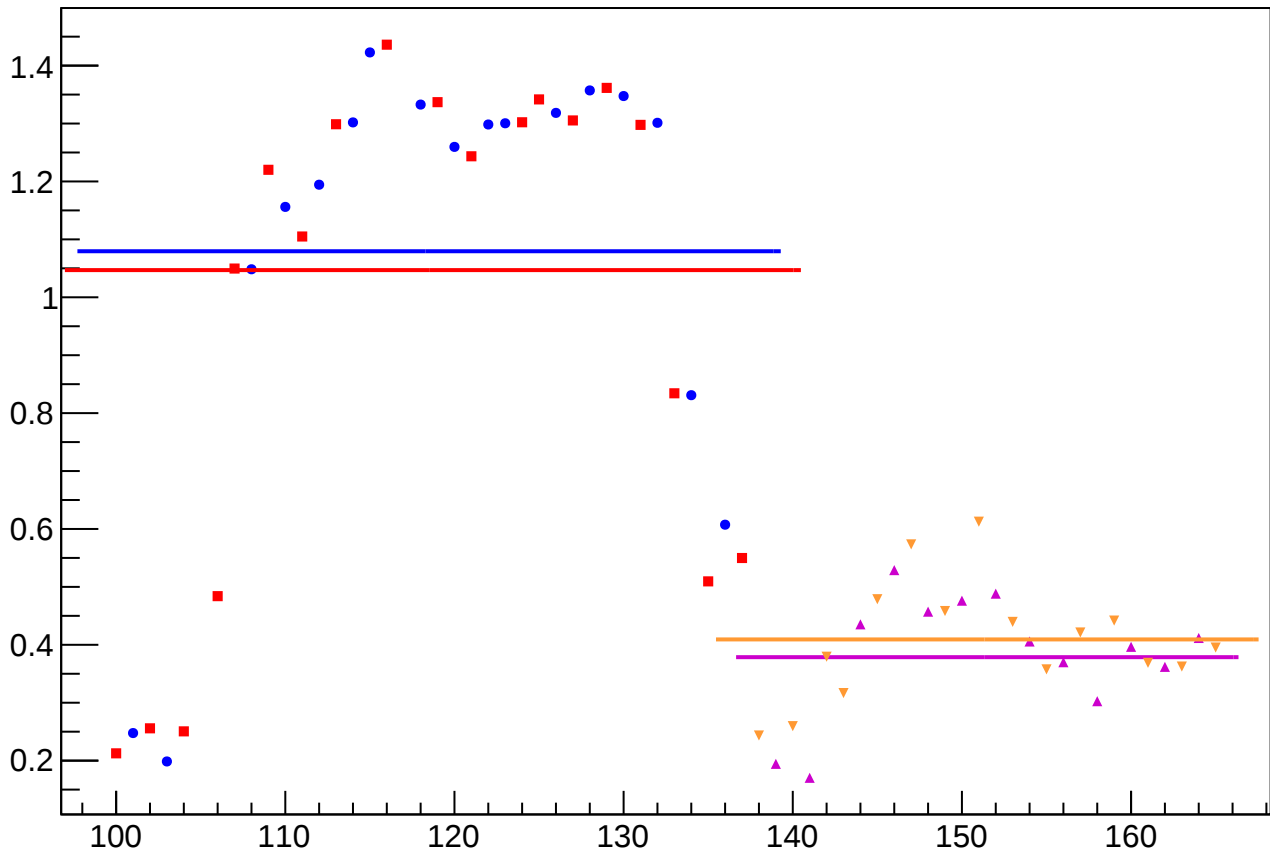
Left In: 0.002+/-0.000 χ^2/NDF :289590.1/12

+ sign 0.002+/-0.000 χ^2/NDF : 603184.7/31

All: 0.002+/-0.000 χ^2/NDF : 1249779.2/63

- 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: 0.409 $\pm$ 0.000 χ^2 /NDF: 1216545243.6/14

+ sign 0.746 $\pm$ 0.000 χ^2 /NDF: 46132999740.9/31

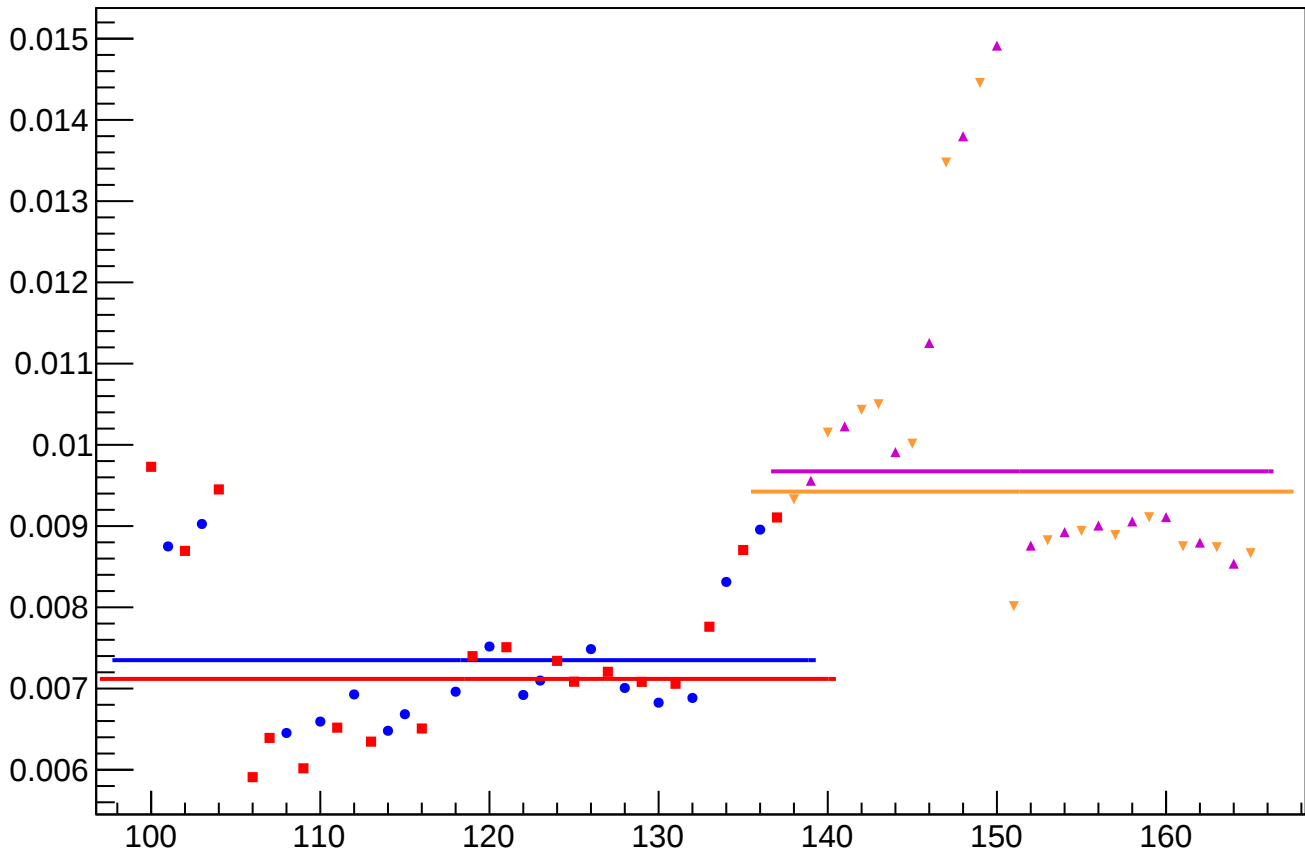
Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

All: 0.750 $\pm$ 0.000 χ^2 /NDF: 93733490643.6/6

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 : 465425.7/14

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

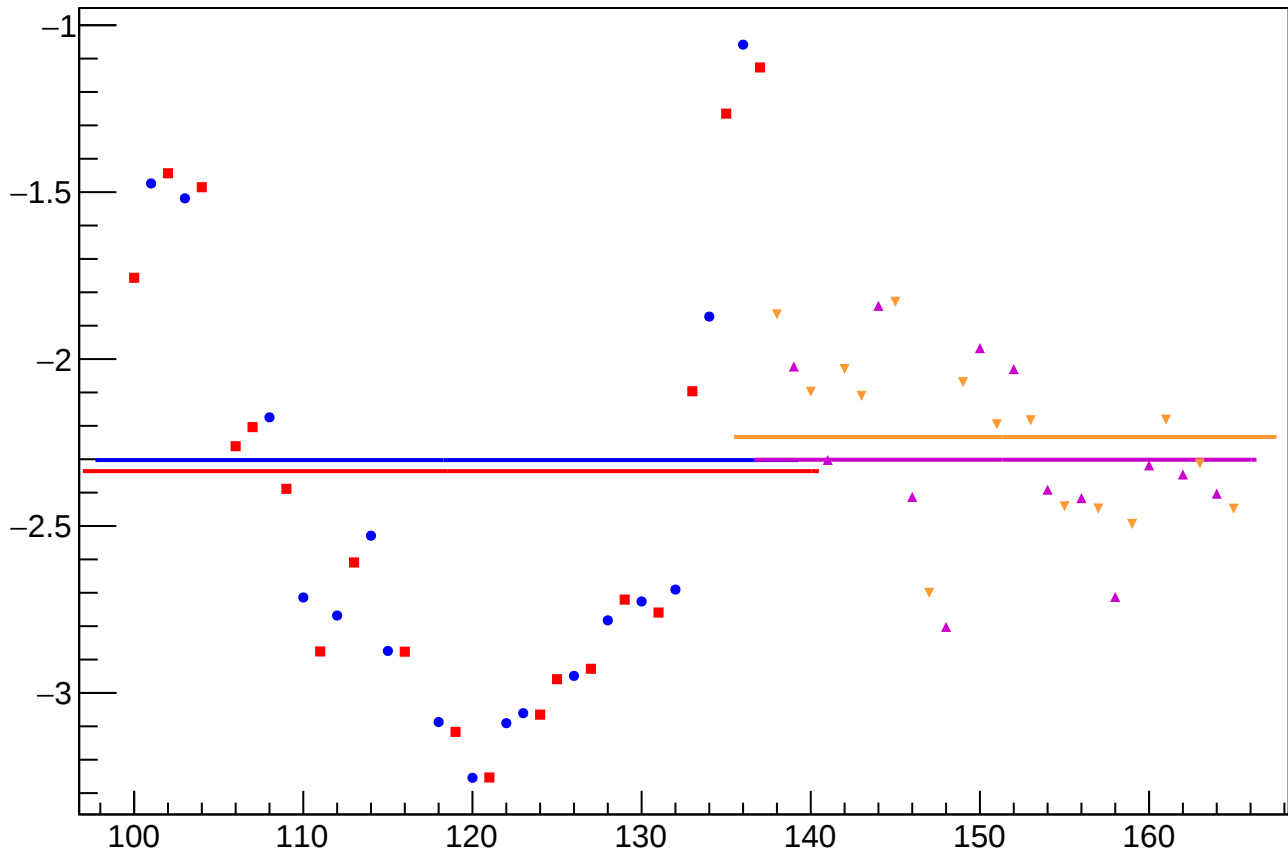
Left In: 0.010+/-0.000 χ^2/NDF : 481349.8/12

+ sign 0.008+/-0.000 χ^2/NDF : 1171287.3/31

All: 0.008+/-0.000 χ^2/NDF : 2702407.4/63

- 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: -2.233+/-0.000 χ^2/NDF : 7359959696.8/14

Right Out: -2.336+/-0.000 χ^2/NDF : 64499162456.4/18

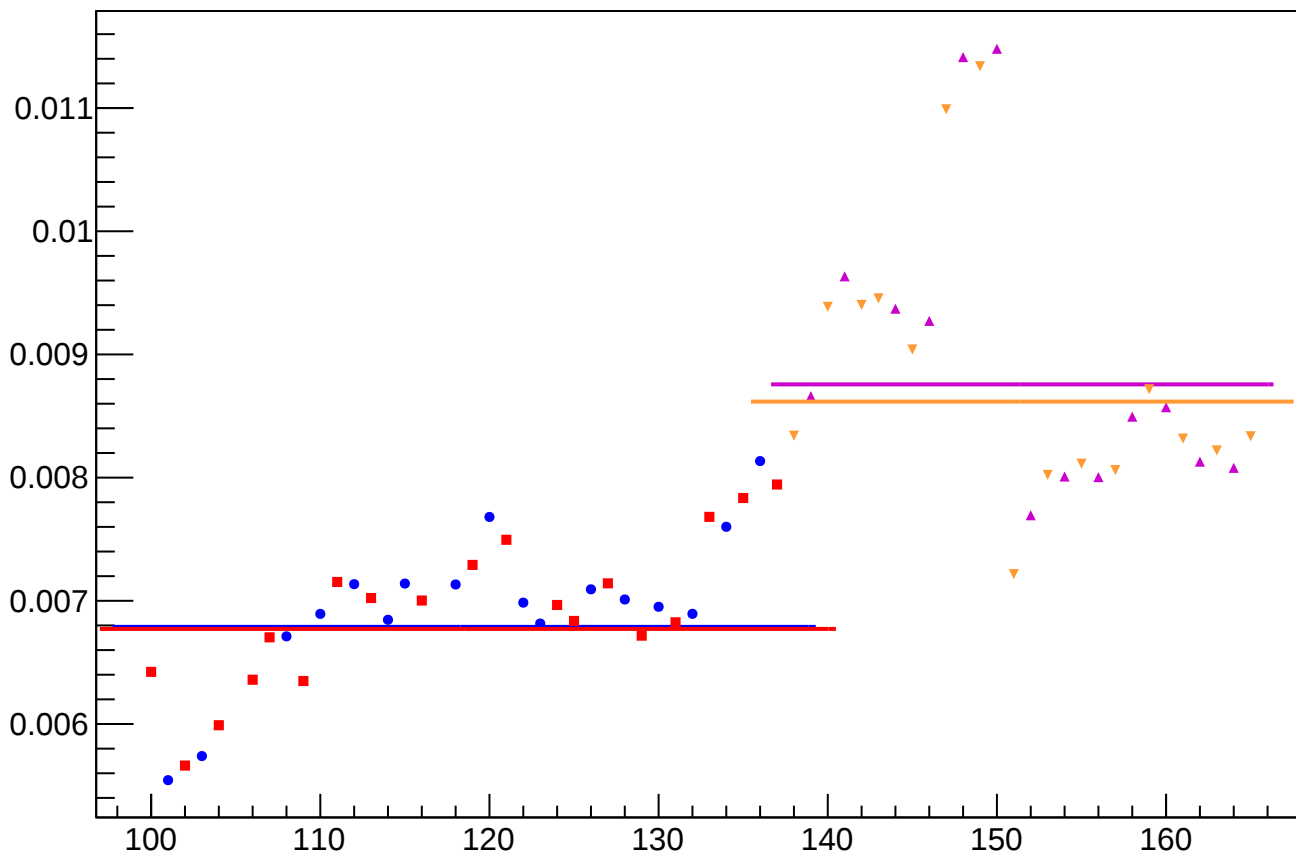
Left In: -2.301+/-0.000 χ^2/NDF : 8508427985.3/12

+ sign -2.268+/-0.000 χ^2/NDF : 81465639811.9/31

All: -2.293+/-0.000 χ^2/NDF : 154949649336.2

- sign -2.320+/-0.000 χ^2/NDF : 73090582095.1/31

yield_bpm2i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 165199.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 286185.6/14

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 123244.0/18

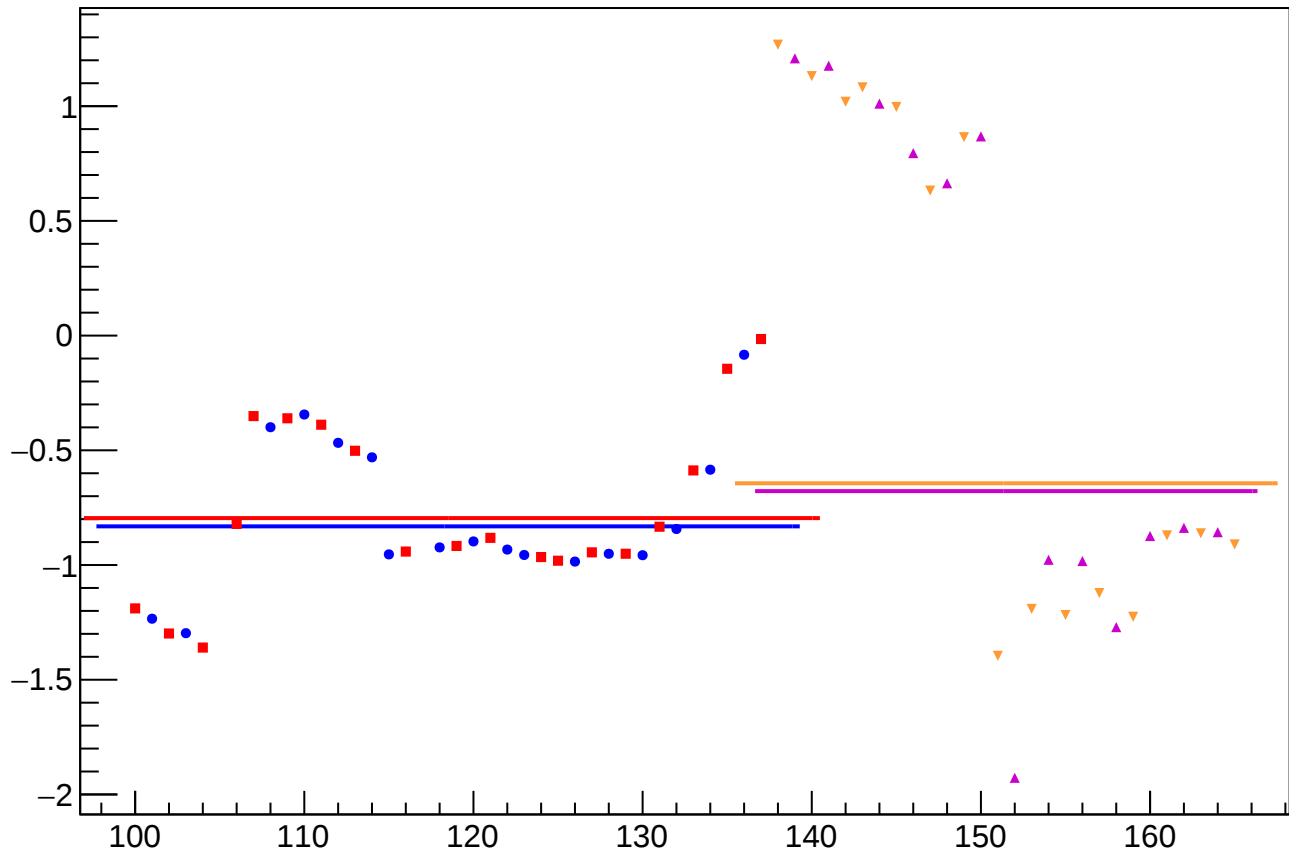
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 290217.8/12

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 937973.0/31

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 1911712.9/63

- sign 0.008 $\pm$ 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: -0.644 ± 0.000 χ^2/NDF : 110985802196.3/14

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

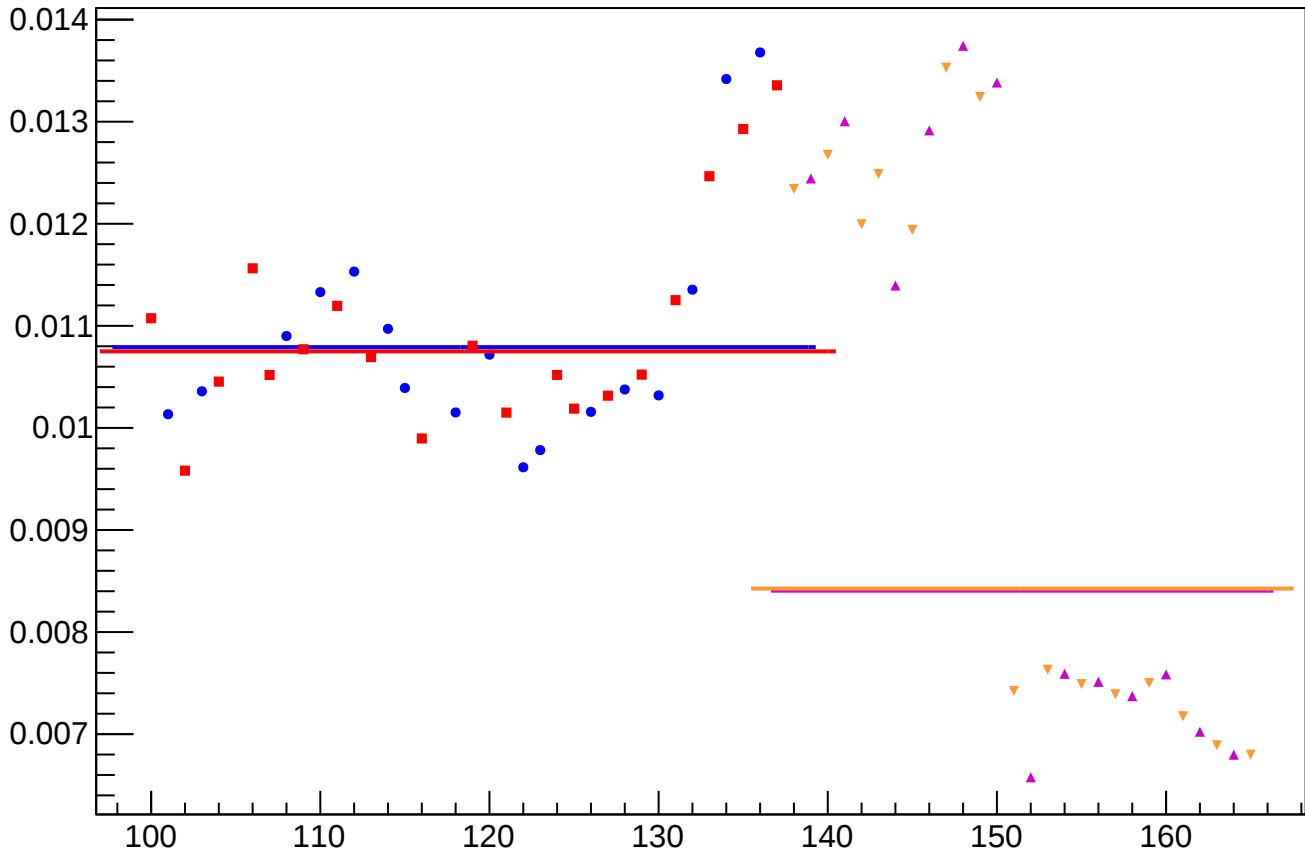
Left In: -0.678 ± 0.000 χ^2/NDF : 118019779844.7/12

+ sign -0.697 ± 0.000 χ^2/NDF : 119103751108.7/31

All: -0.705 ± 0.000 χ^2/NDF : 245545061170.0

- sign -0.714 ± 0.000 χ^2/NDF : 126411487824.4/31

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :1396672.1/14

Right Out: 0.011+/-0.000 χ^2/NDF : 90220.8/18

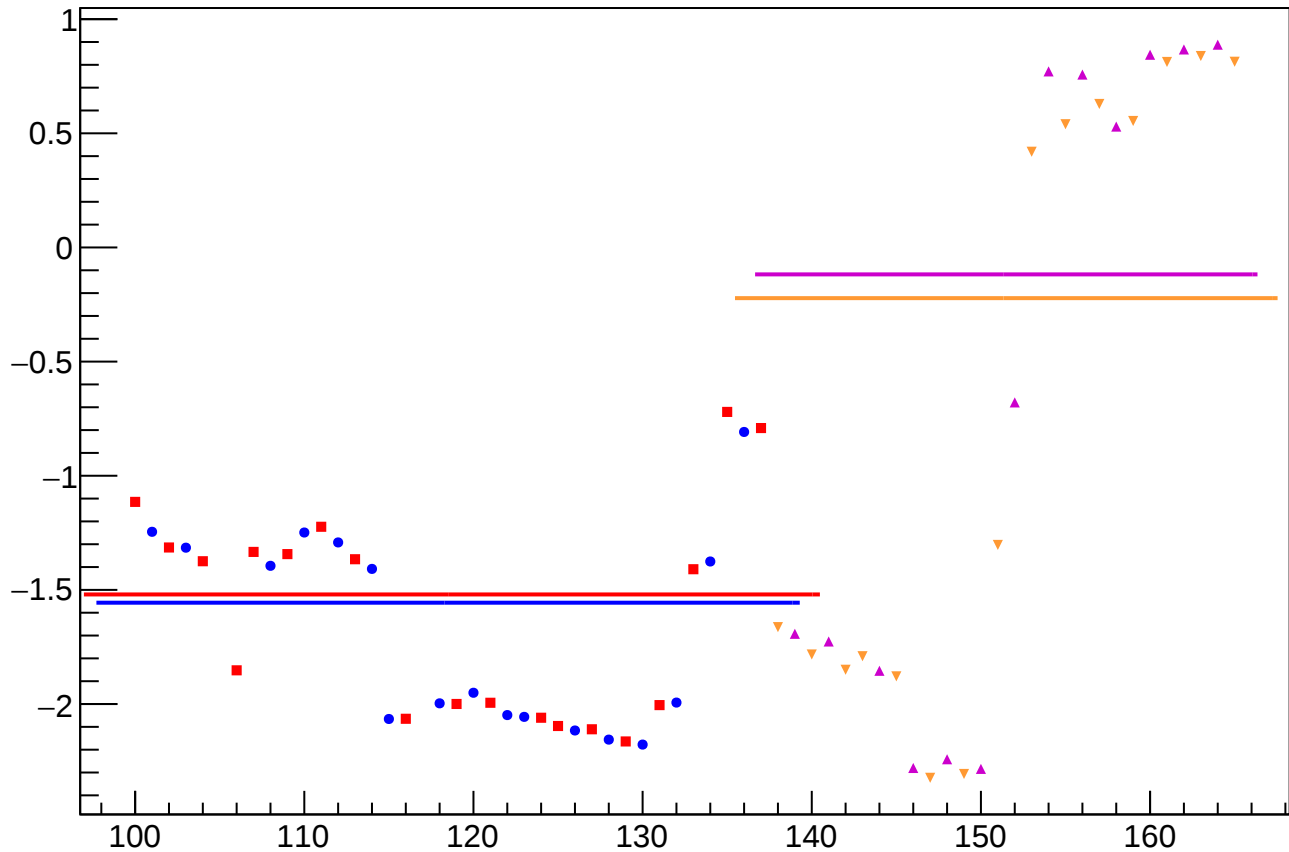
Left In: 0.008+/-0.000 χ^2/NDF :1462982.8/12

+ sign 0.009+/-0.000 χ^2/NDF : 1974895.9/31

All: 0.009+/-0.000 χ^2/NDF : 3980559.9/63

- sign 0.009+/-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: -0.222+/-0.000 χ^2/NDF : 1891826708825.5/14

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

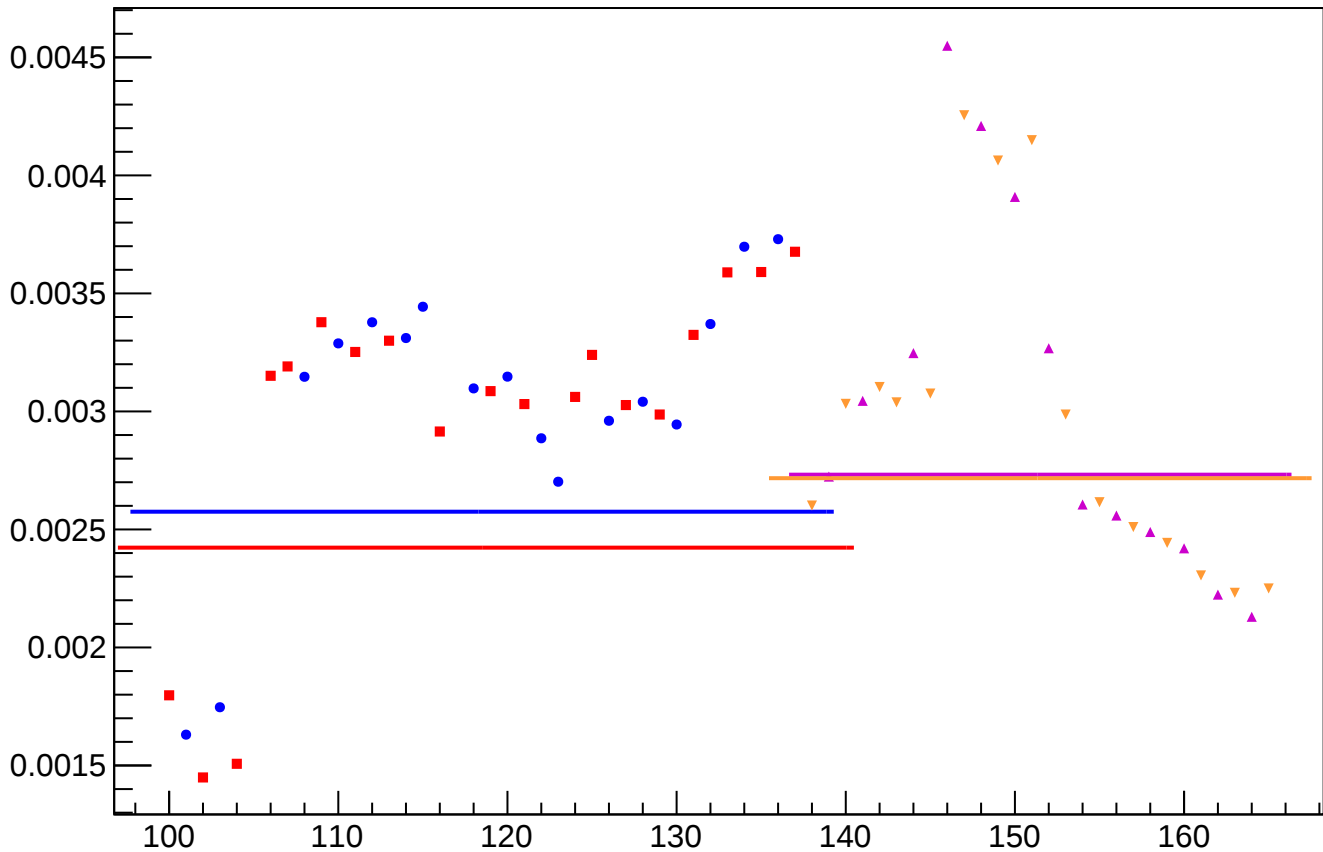
Left In: -0.118+/-0.000 χ^2/NDF : 1788307578107.4/12

+ sign -0.754+/-0.000 χ^2/NDF : 2960291441638.9/3

All: -0.752+/-0.000 χ^2/NDF : 5929258264334

- 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 : 693797.3/14

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

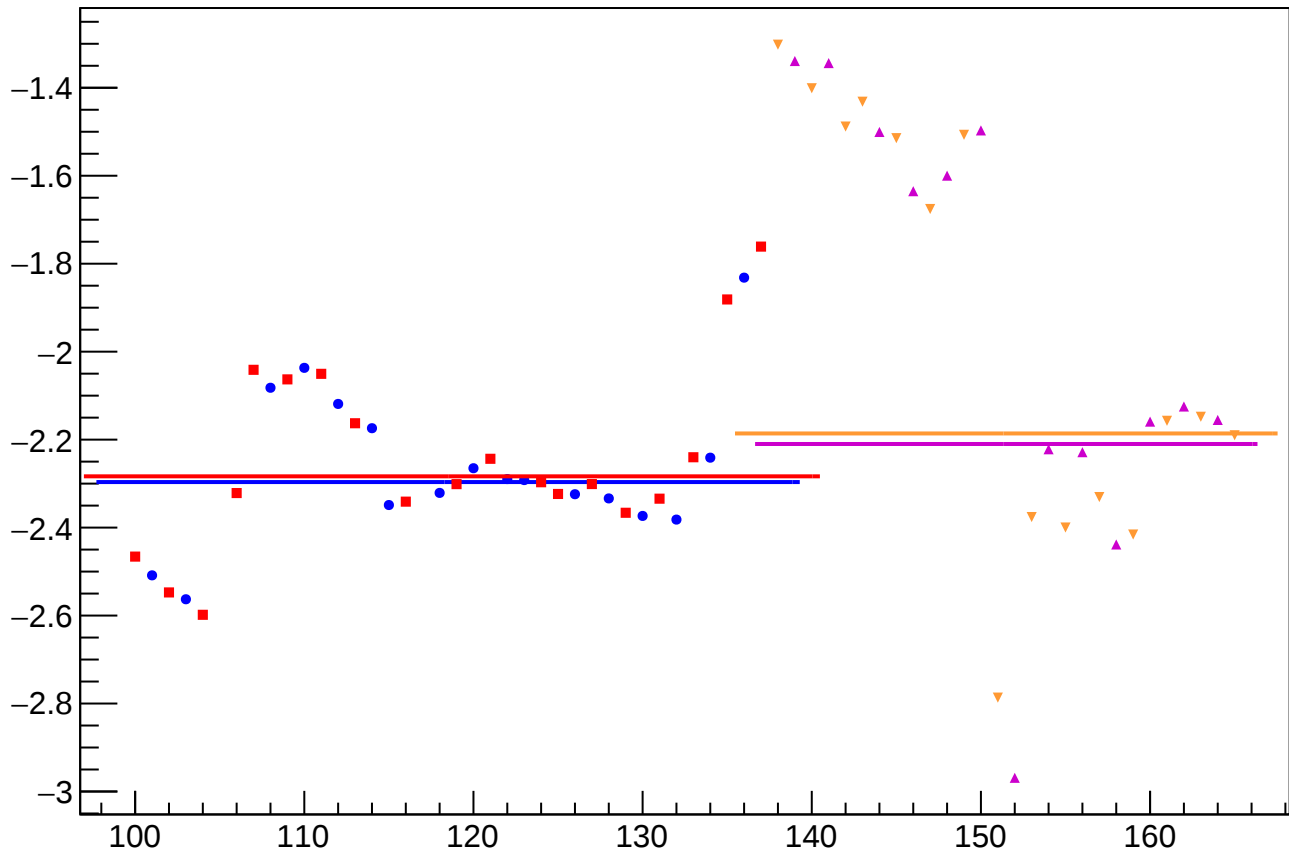
Left In: 0.003+/-0.000 χ^2/NDF : 756123.3/12

+ sign 0.003+/-0.000 χ^2/NDF : 1728320.0/31

All: 0.003+/-0.000 χ^2/NDF : 4085797.4/63

- 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 : 51016642322.4/14

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

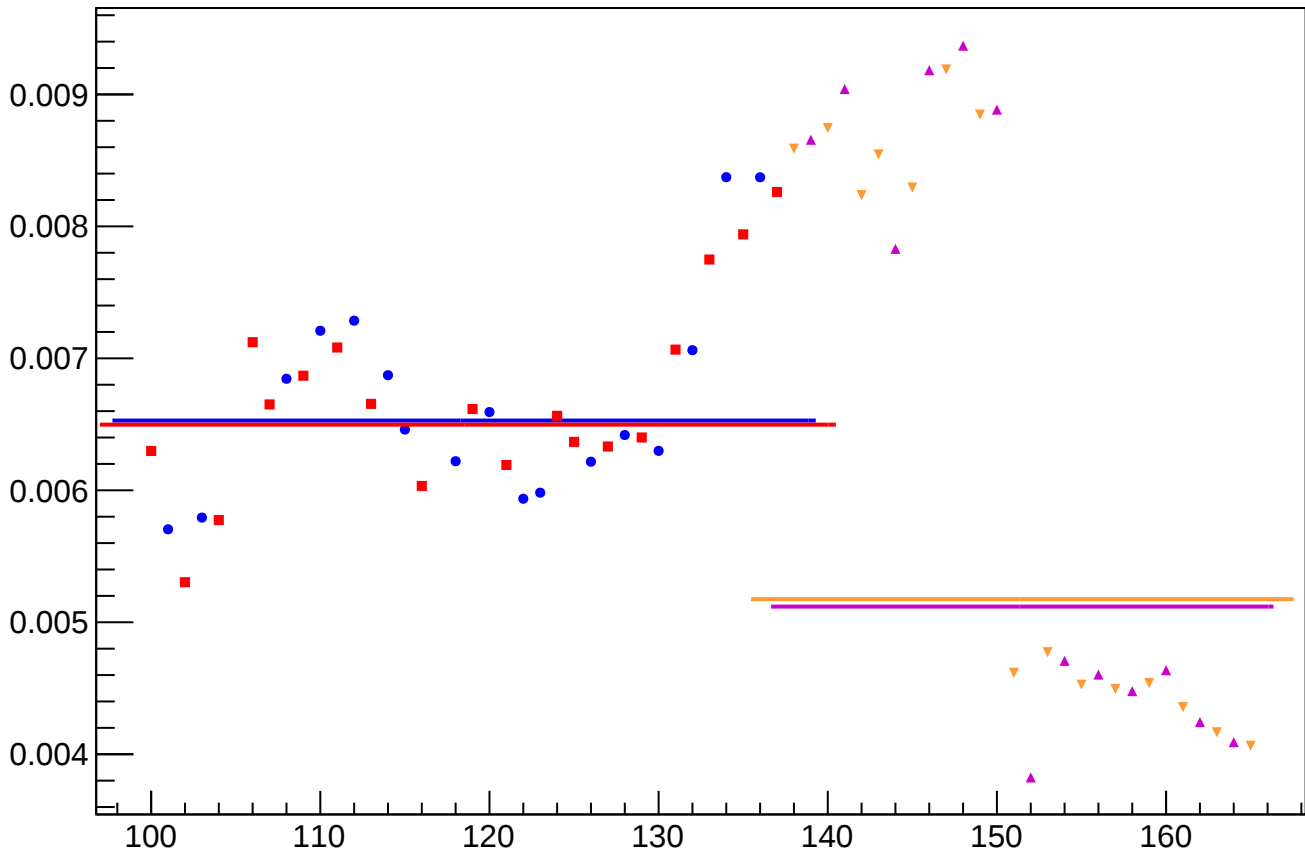
Left In: -2.210+/-0.000 χ^2/NDF : 66240668365.7/12

+ sign -2.219+/-0.000 χ^2/NDF : 58105895562.1/31

All: -2.226+/-0.000 χ^2/NDF : 131541940553.5

- 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 : 1902729.7/14

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

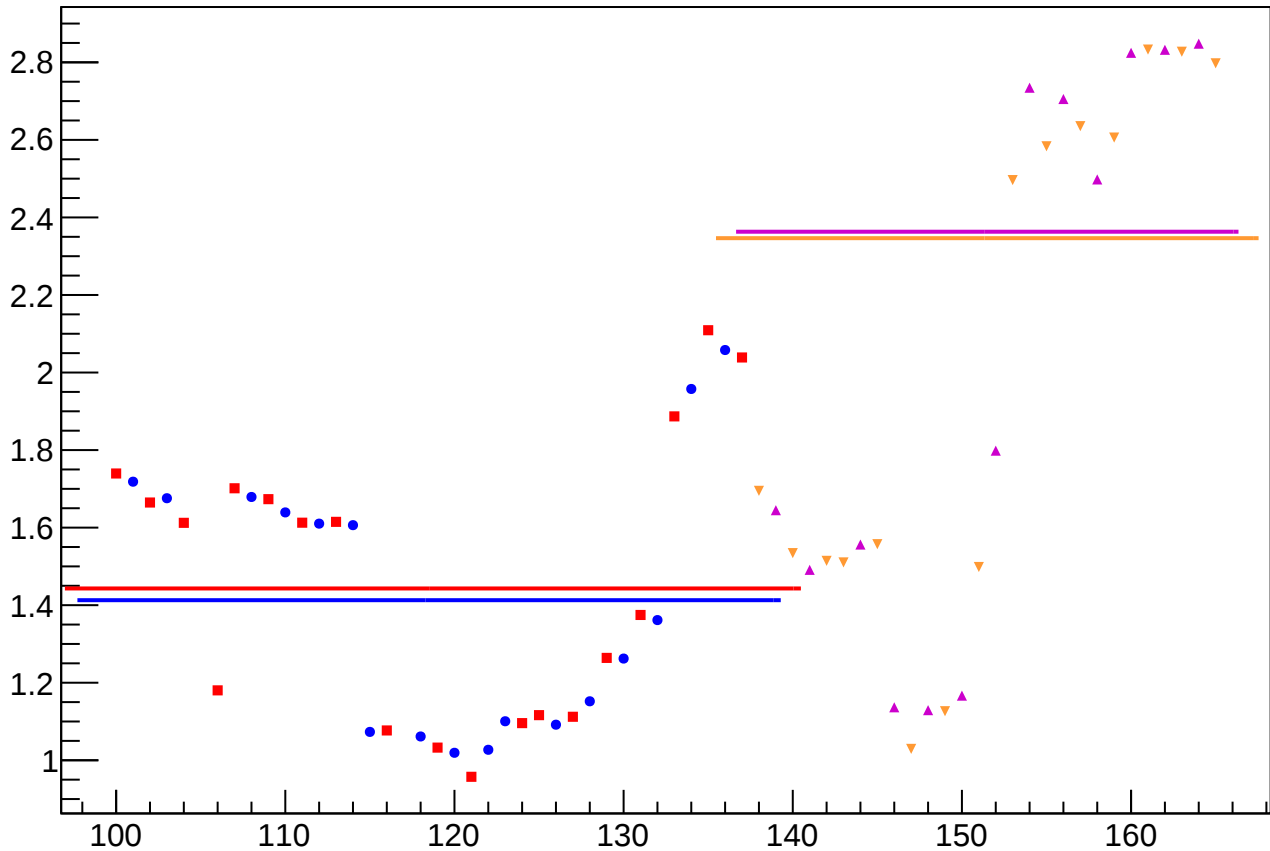
Left In: 0.005+/-0.000 χ^2/NDF : 2021843.6/12

+ sign 0.006+/-0.000 χ^2/NDF : 2470969.0/31

All: 0.006+/-0.000 χ^2/NDF : 5072029.7/63

- 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: 2.347 ± 0.000 χ^2/NDF : 208819655350.8/14

Right Out: 1.443 ± 0.000 χ^2/NDF : 173290449342.2/18

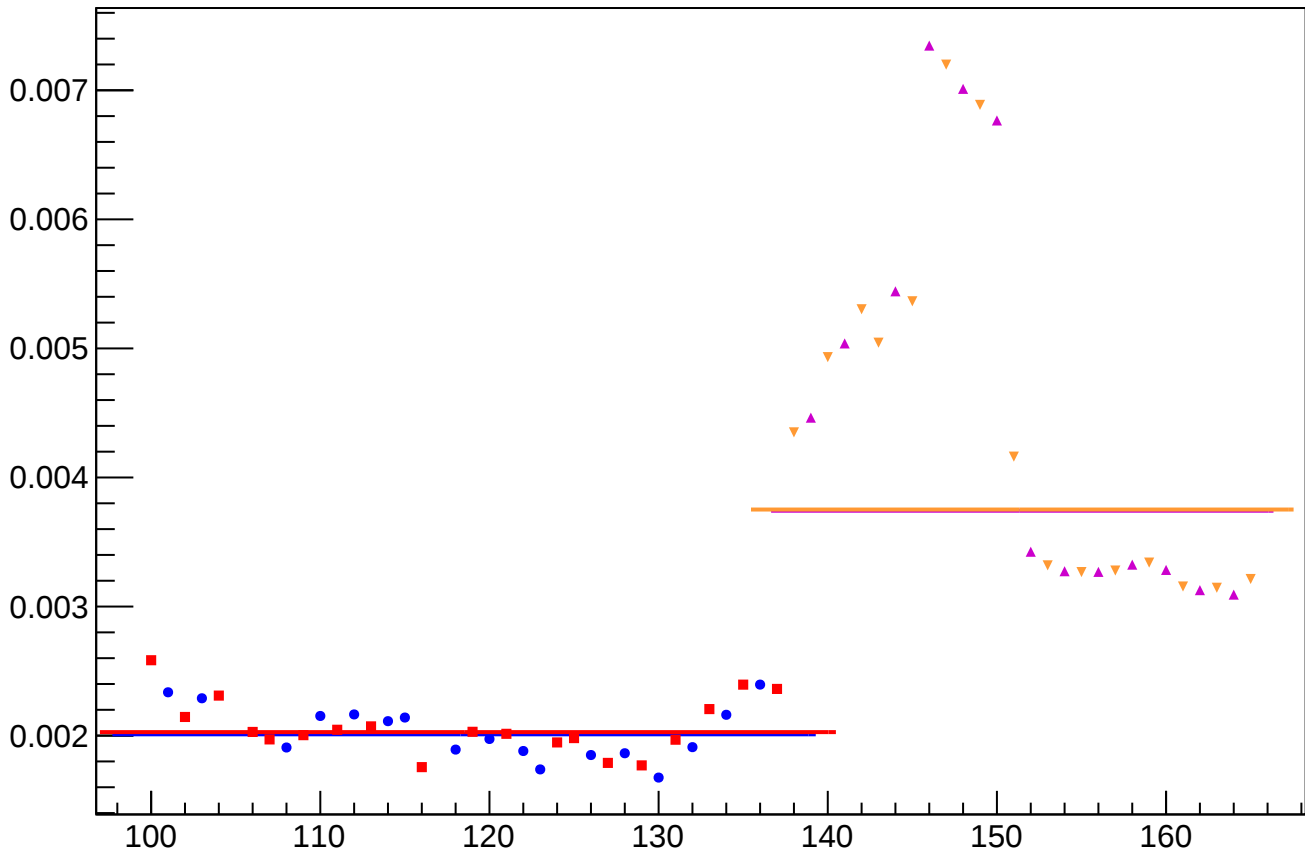
Left In: 2.363 ± 0.000 χ^2/NDF : 206617640417.5/12

+ sign 1.702 ± 0.000 χ^2/NDF : 794170406745.4/31

All: 1.704 ± 0.000 χ^2/NDF : 1555297512677.

- 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 :1196864.1/14

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

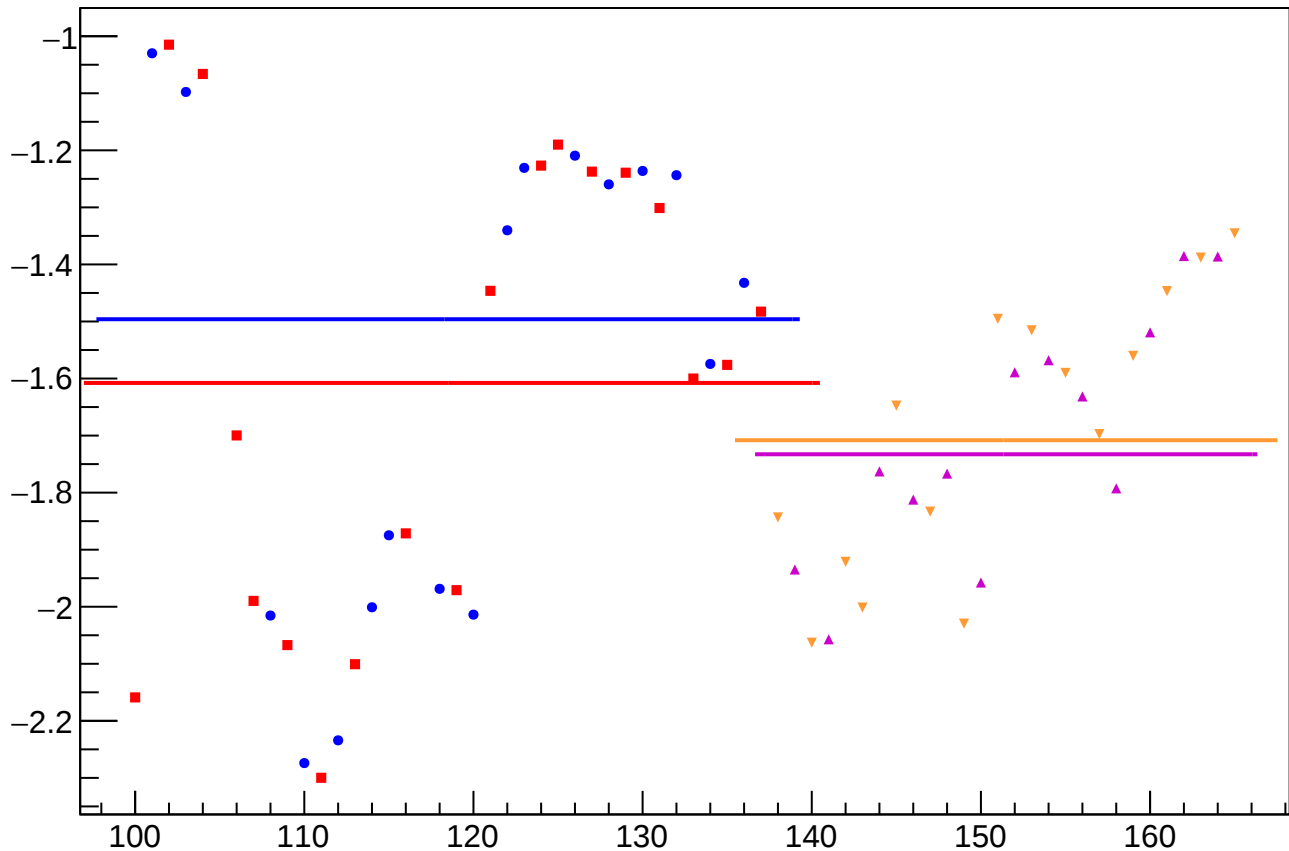
Left In: 0.004+/-0.000 χ^2/NDF :1384434.3/12

+ sign 0.003+/-0.000 χ^2/NDF : 4221886.2/31

All: 0.003+/-0.000 χ^2/NDF : 8362811.7/63

- 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: -1.708 ± 0.000 χ^2/NDF : 15083860733.7/14

Right Out: -1.608 ± 0.000 χ^2/NDF : 27836461057.4/18

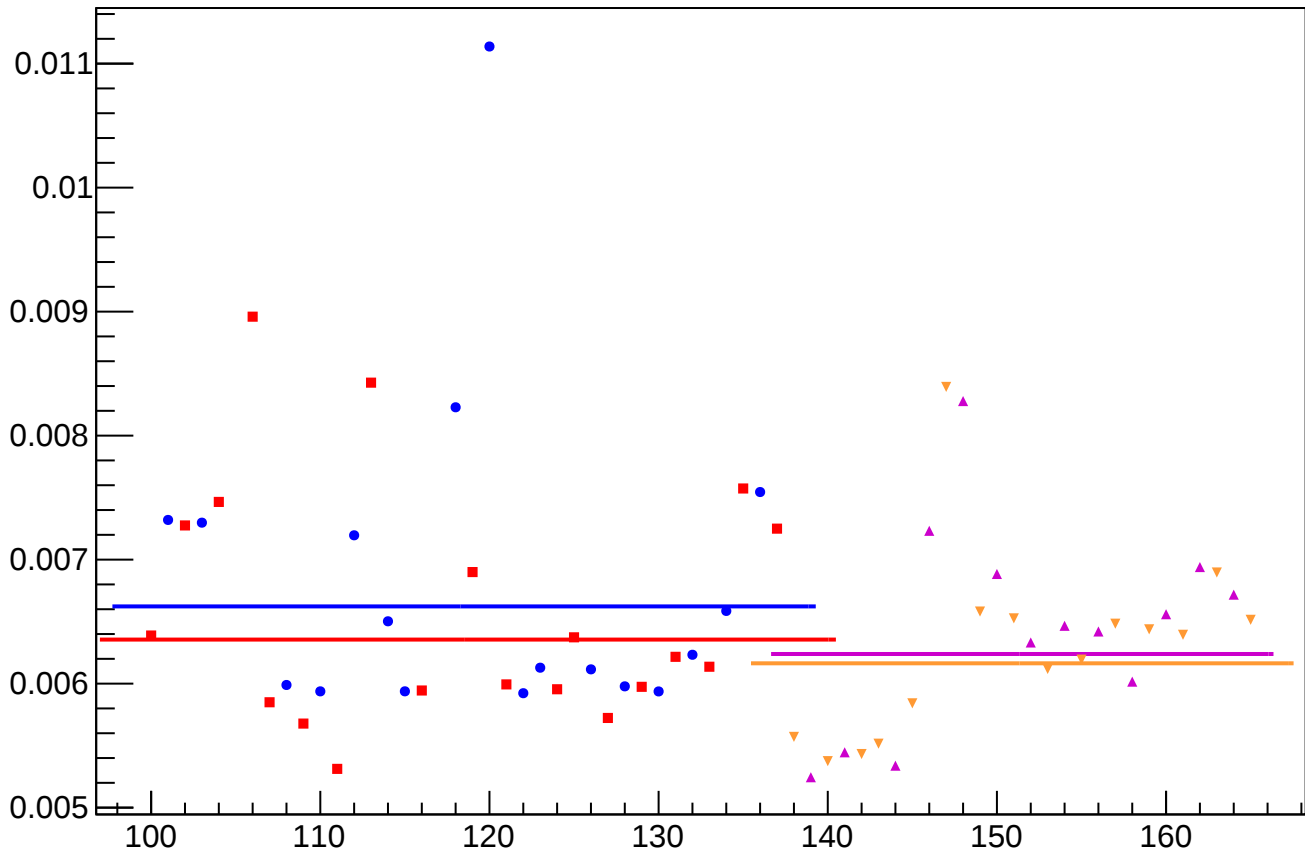
Left In: -1.733 ± 0.000 χ^2/NDF : 10243421274.3/12

+ sign -1.637 ± 0.000 χ^2/NDF : 41752591604.7/31

All: -1.660 ± 0.000 χ^2/NDF : 81799432487.6/31

- sign -1.683 ± 0.000 χ^2/NDF : 39611853220.3/31

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :223381.2/14

Right Out: 0.006+/-0.000 χ^2/NDF : 227861.1/18

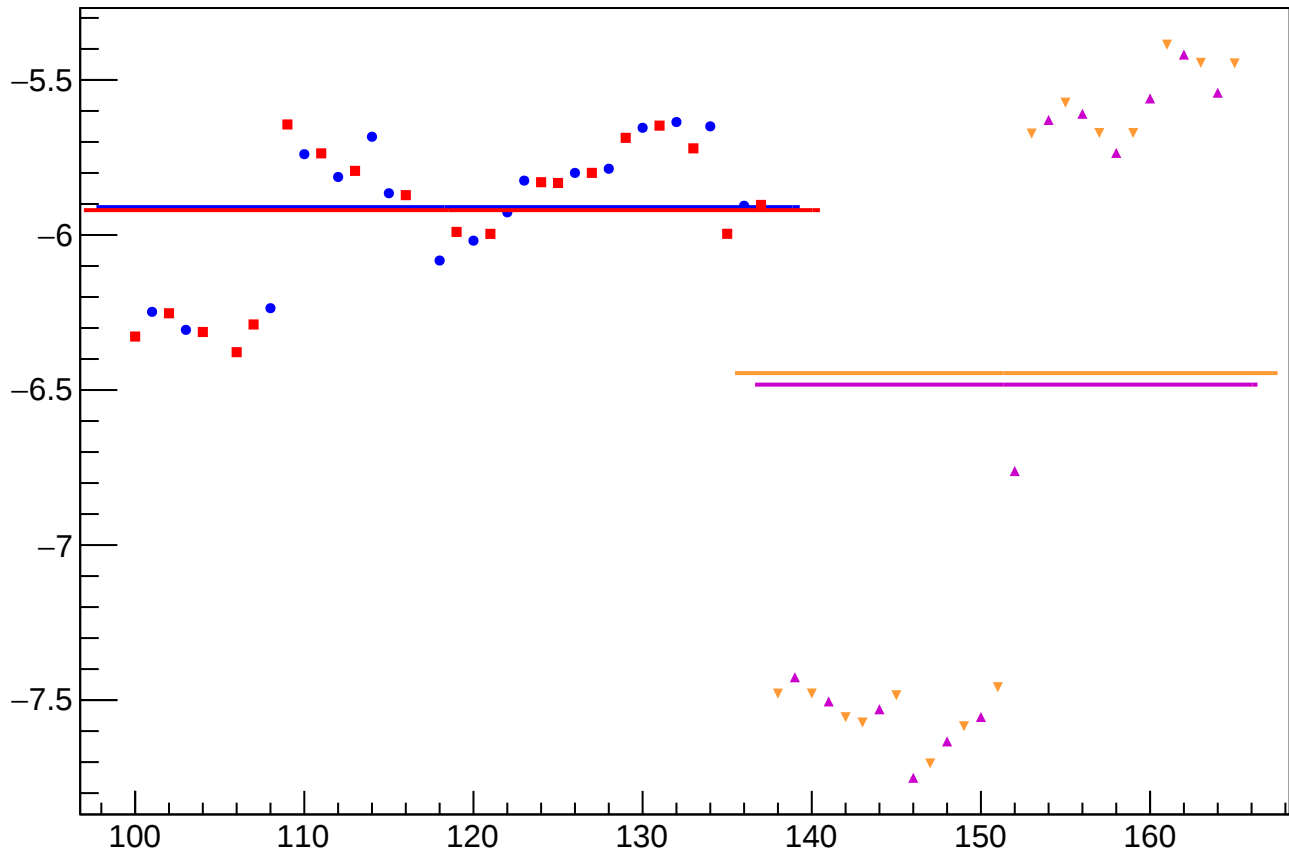
Left In: 0.006+/-0.000 χ^2/NDF :286808.4/12

+ sign 0.006+/-0.000 χ^2/NDF : 494807.8/31

All: 0.006+/-0.000 χ^2/NDF : 1012570.1/63

- sign 0.006+/-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: -6.445+/-0.000 χ^2/NDF : 148095171505.1/14

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

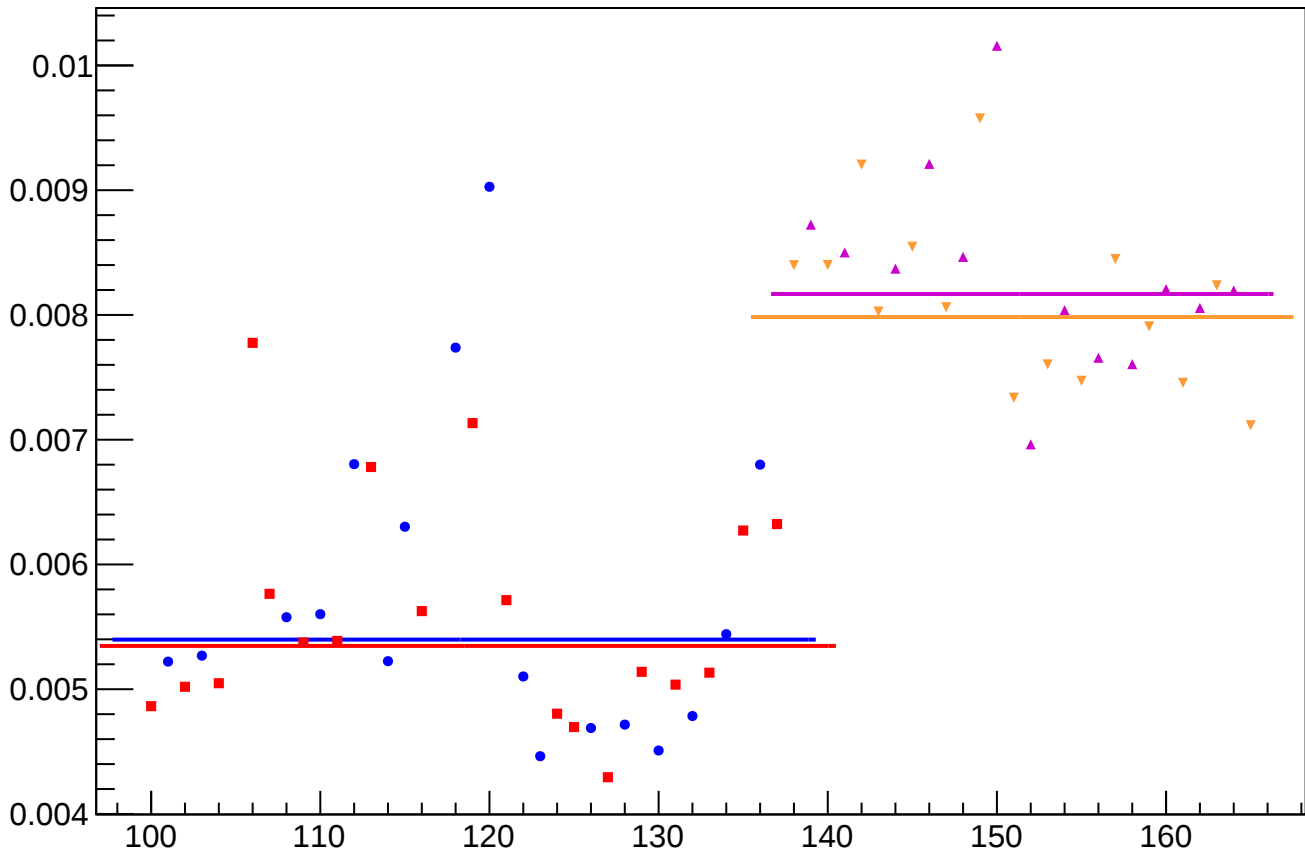
Left In: -6.483+/-0.000 χ^2/NDF : 117868837233.9/12

+ sign -6.138+/-0.000 χ^2/NDF : 183991409930.5/31

All: -6.136+/-0.000 χ^2/NDF : 341358376632.4

- sign -6.133+/-0.000 χ^2/NDF : 157362295585.3/31

yield_bpm0l01Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 371347.4/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:112149.6/14

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 249377.5/18

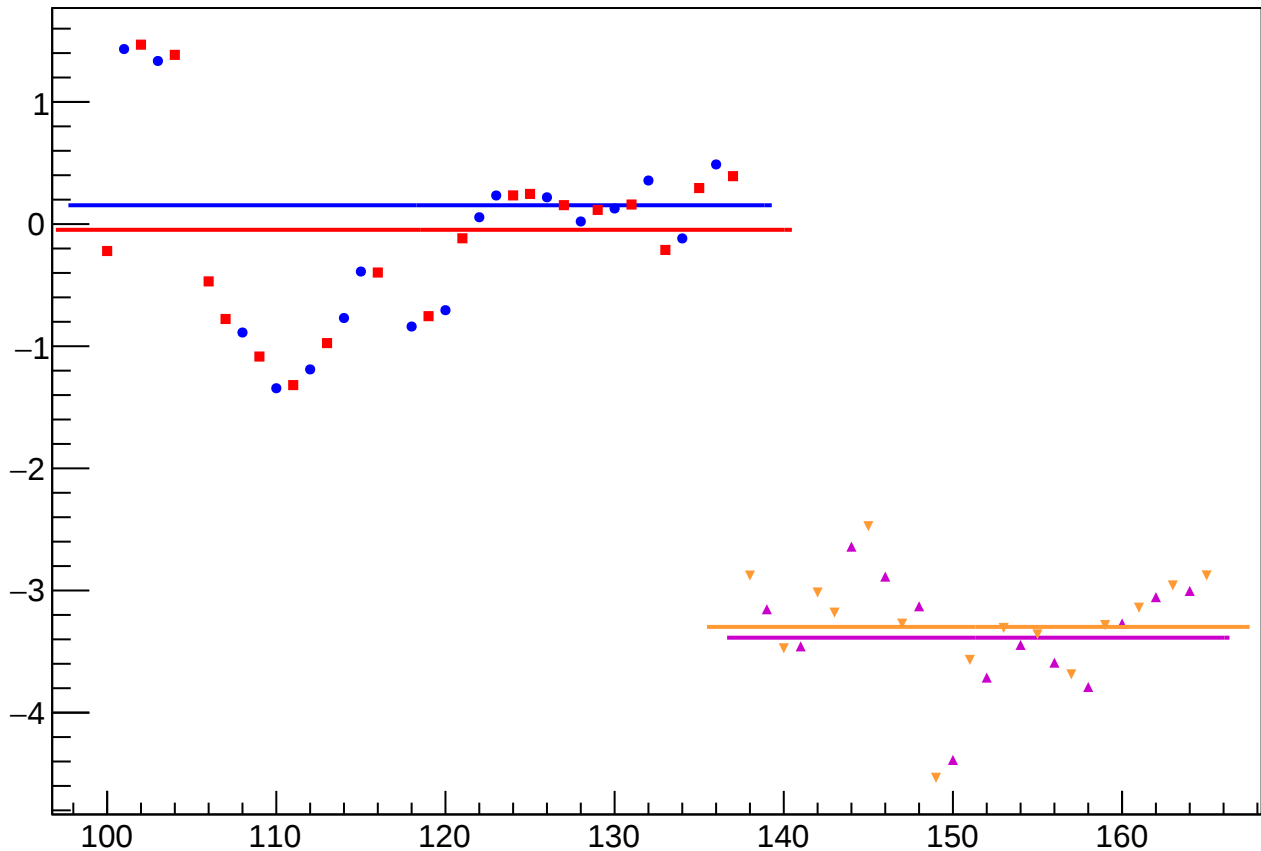
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:141243.1/12

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1638039.3/31

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 3373508.1/63

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1732997.9/31

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.298+/-0.000 χ^2/NDF : 7928781198.0/14

+ sign -1.817+/-0.000 χ^2/NDF : 233654818632.5/31

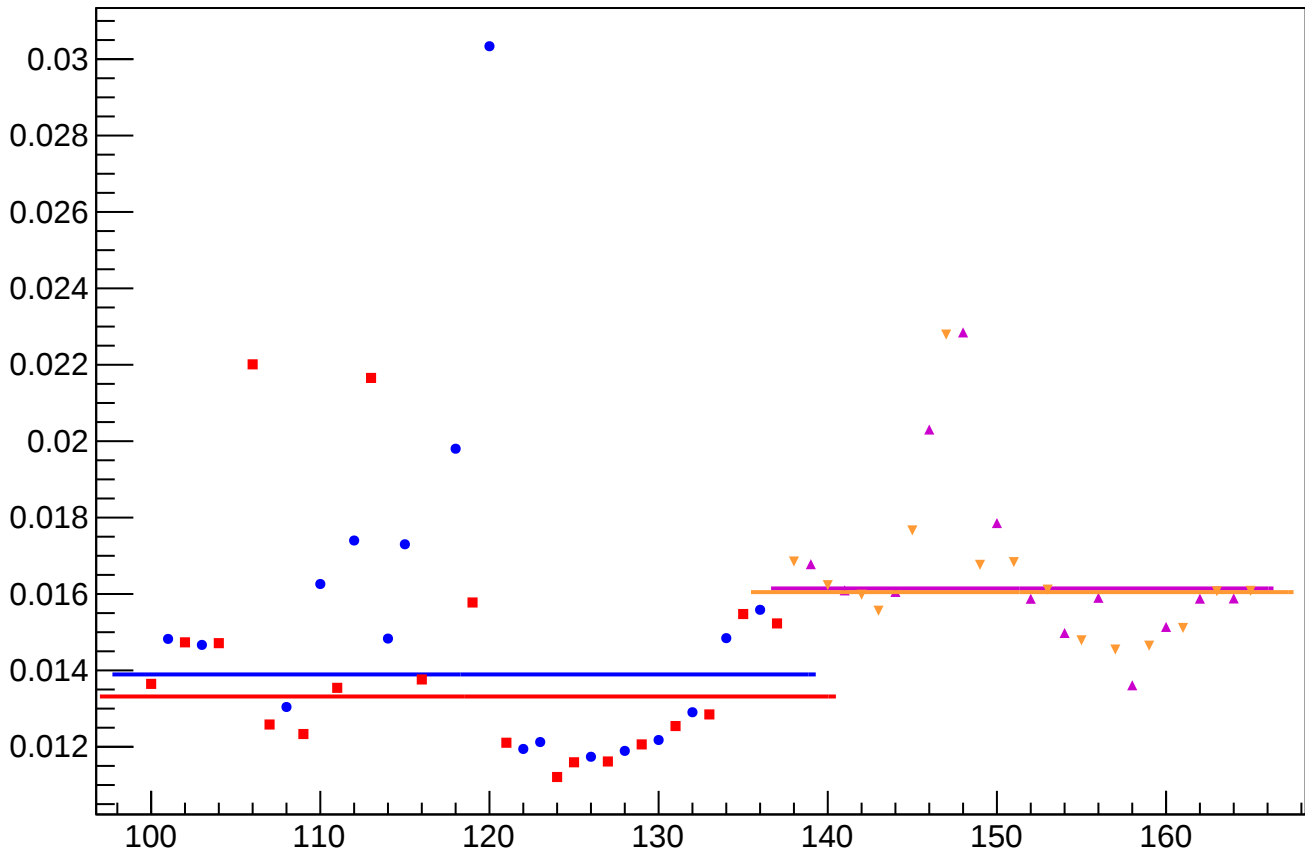
Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

All: -1.774+/-0.000 χ^2/NDF : 467044142076.8

- sign -1.733+/-0.000 χ^2/NDF : 233130145418.0/31

Left In: -3.386+/-0.000 χ^2/NDF : 6848919002.6/12

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 :194154.2/14

Right Out: 0.013+/-0.000 χ^2/NDF : 291358.0/18

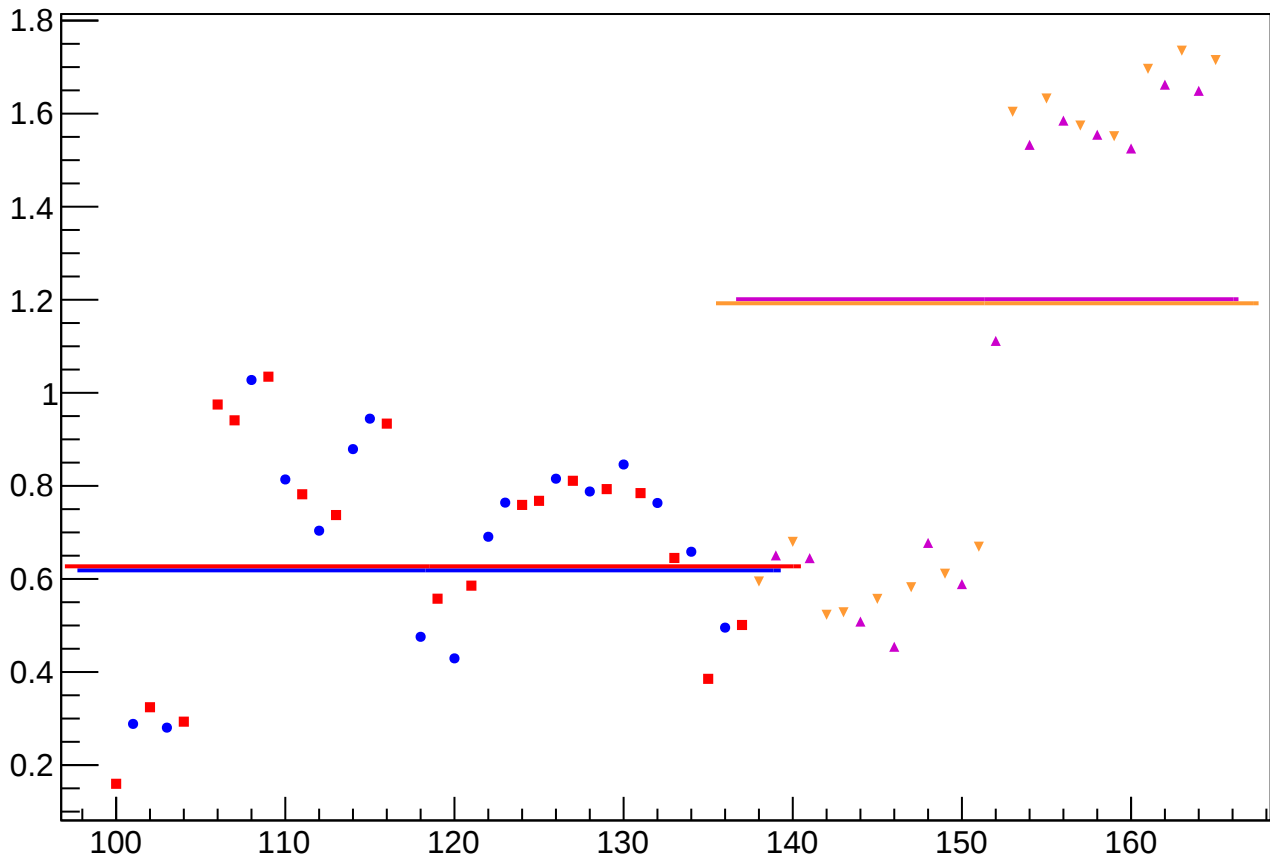
Left In: 0.016+/-0.000 χ^2/NDF :274823.4/12

+ sign 0.015+/-0.000 χ^2/NDF : 757331.4/31

All: 0.015+/-0.000 χ^2/NDF : 1628133.1/63

- sign 0.015+/-0.000 χ^2/NDF : 860328.8/31

yield_bpm0l02Y_mean vs Slug



Right In: 0.619 $\pm$ 0.000 χ^2 /NDF: 5416939288.1/16

Left Out: 1.192 $\pm$ 0.000 χ^2 /NDF: 58546448304.2/14

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6337935219.4/18

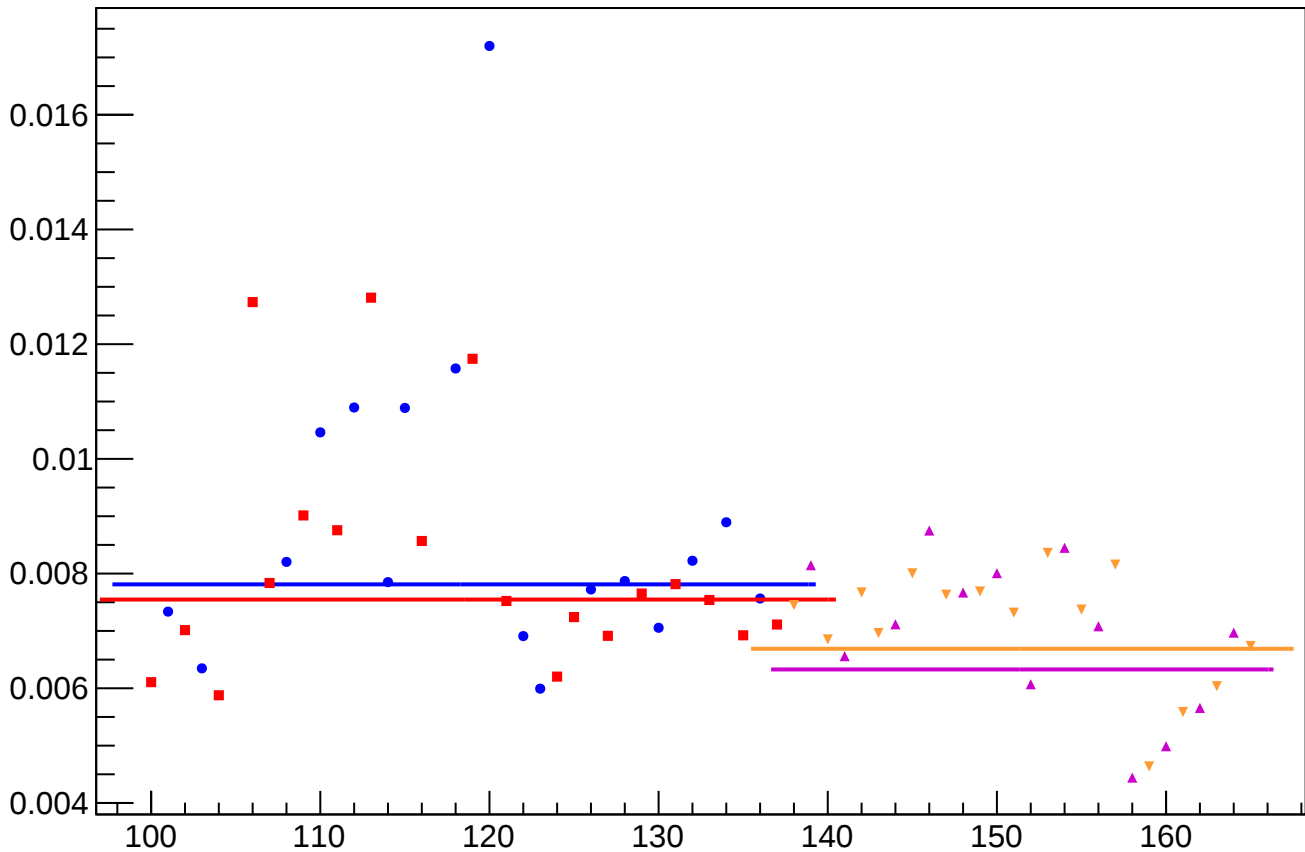
Left In: 1.201 $\pm$ 0.000 χ^2 /NDF: 48205428555.3/12

+ sign 1.019 $\pm$ 0.000 χ^2 /NDF: 85853140420.7/31

All: 1.017 $\pm$ 0.000 χ^2 /NDF: 164678897043.5

- sign 1.016 $\pm$ 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:615378.9/14

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 441823.4/18

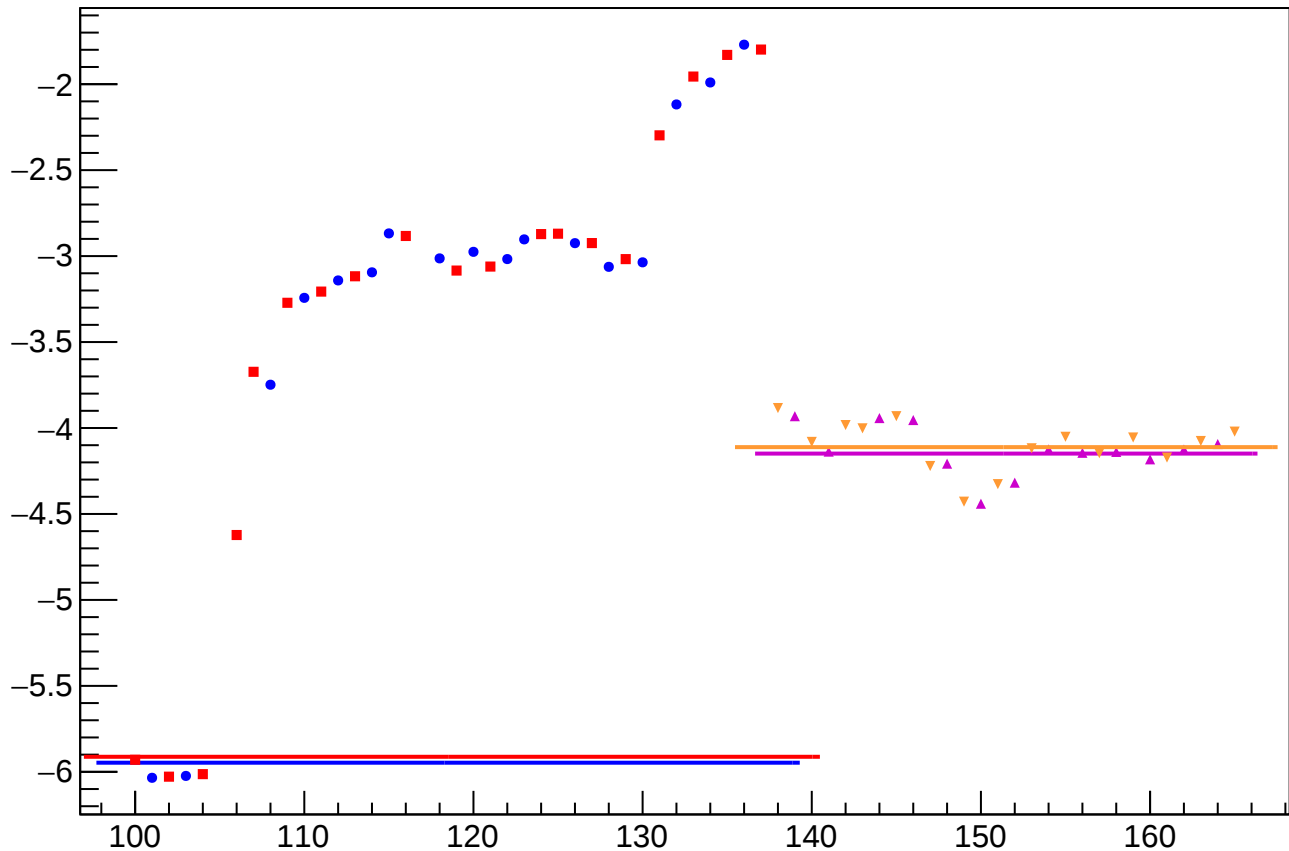
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:846553.9/12

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1249925.4/31

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2788297.3/63

- 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: -4.111+/-0.000 χ^2 /NDF:30287925.4/14

+ sign -5.902+/-0.000 χ^2 /NDF: 17068384031.5/31

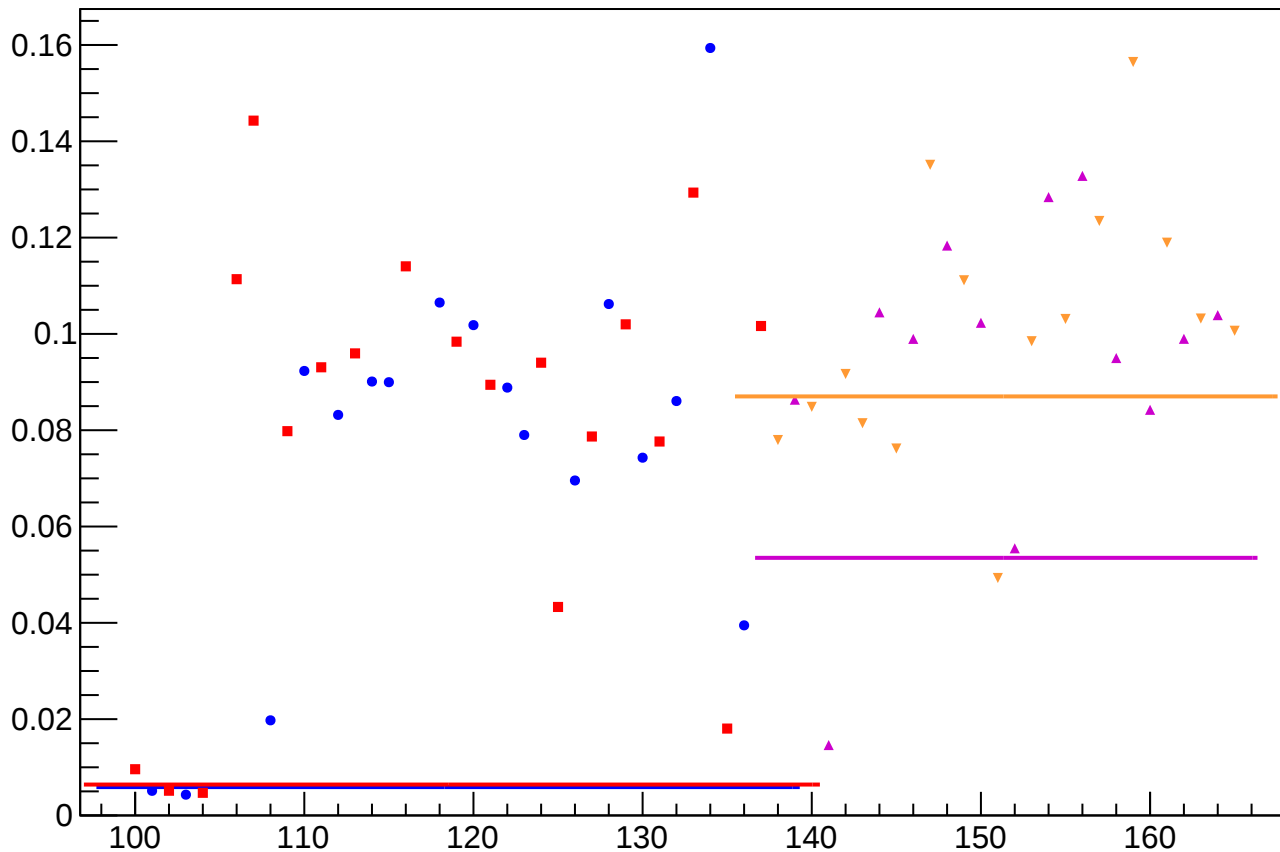
Right Out: -5.912+/-0.000 χ^2 /NDF: 14619971495.0/18

All: -5.872+/-0.000 χ^2 /NDF: 37078561532.5

Left In: -4.149+/-0.000 χ^2 /NDF:21264086.8/12

- sign -5.834+/-0.000 χ^2 /NDF: 19908259940.0/31

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7934545.2/16

Left Out: 0.087 $\pm$ 0.000 χ^2 /NDF:1549212.0/14

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

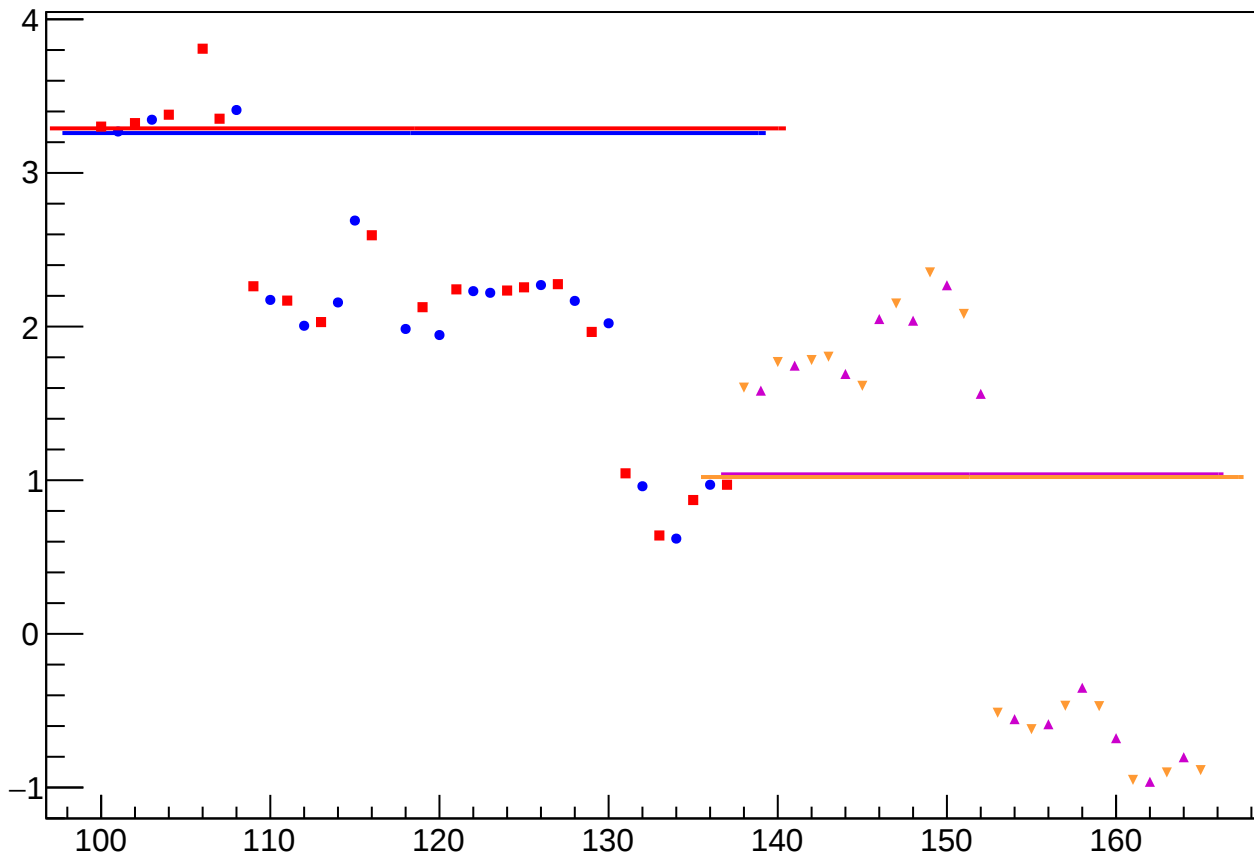
Left In: 0.053 $\pm$ 0.000 χ^2 /NDF:6142888.2/12

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 24610724.9/31

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 46777860.1/63

- 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: 1.021 $\pm$ 0.000 χ^2 /NDF: 1679856943.4/14

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3262231575.5/18

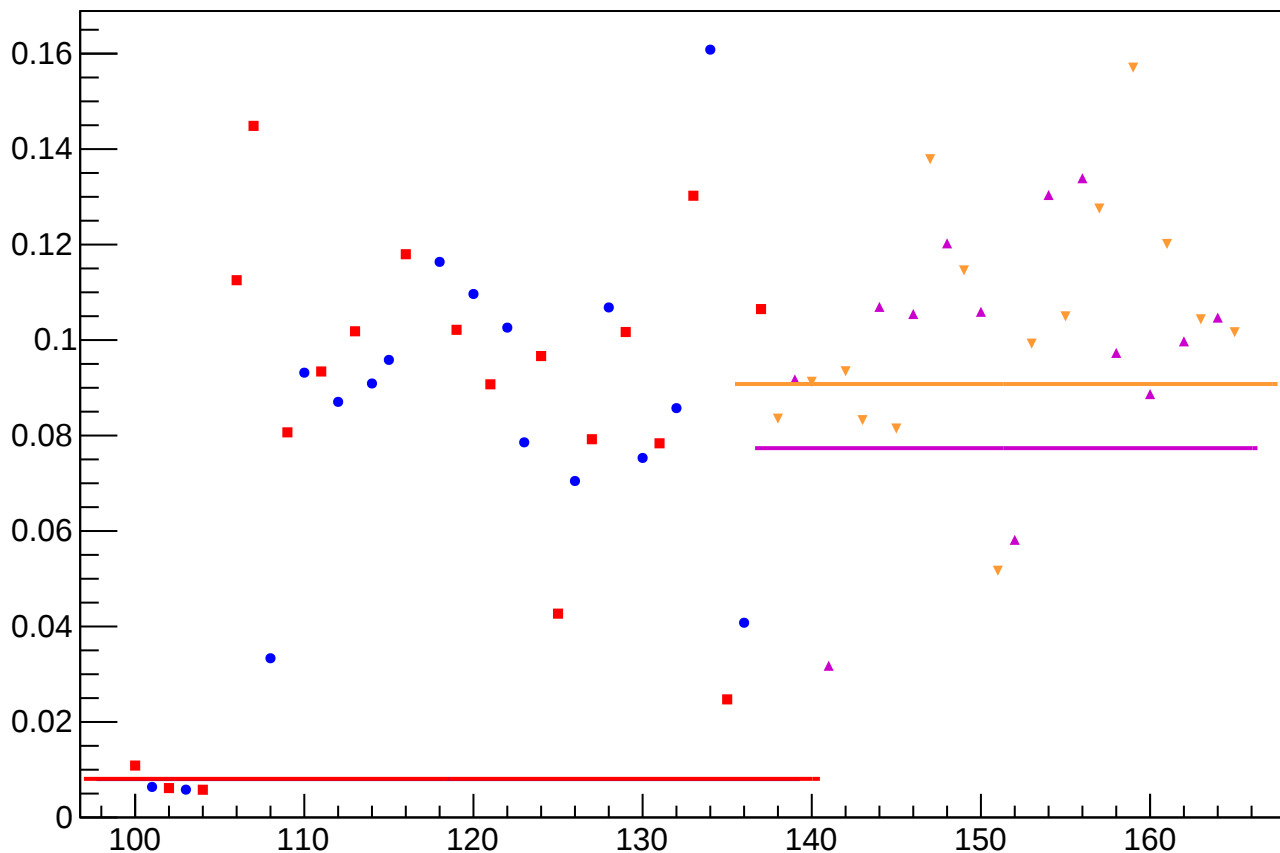
Left In: 1.038 $\pm$ 0.000 χ^2 /NDF: 1498273168.1/12

+ sign 3.178 $\pm$ 0.000 χ^2 /NDF: 9873544277.4/31

All: 3.186 $\pm$ 0.000 χ^2 /NDF: 20292524455.7/6

- 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: 0.091 $\pm$ 0.000 χ^2 /NDF:1405395.0/14

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

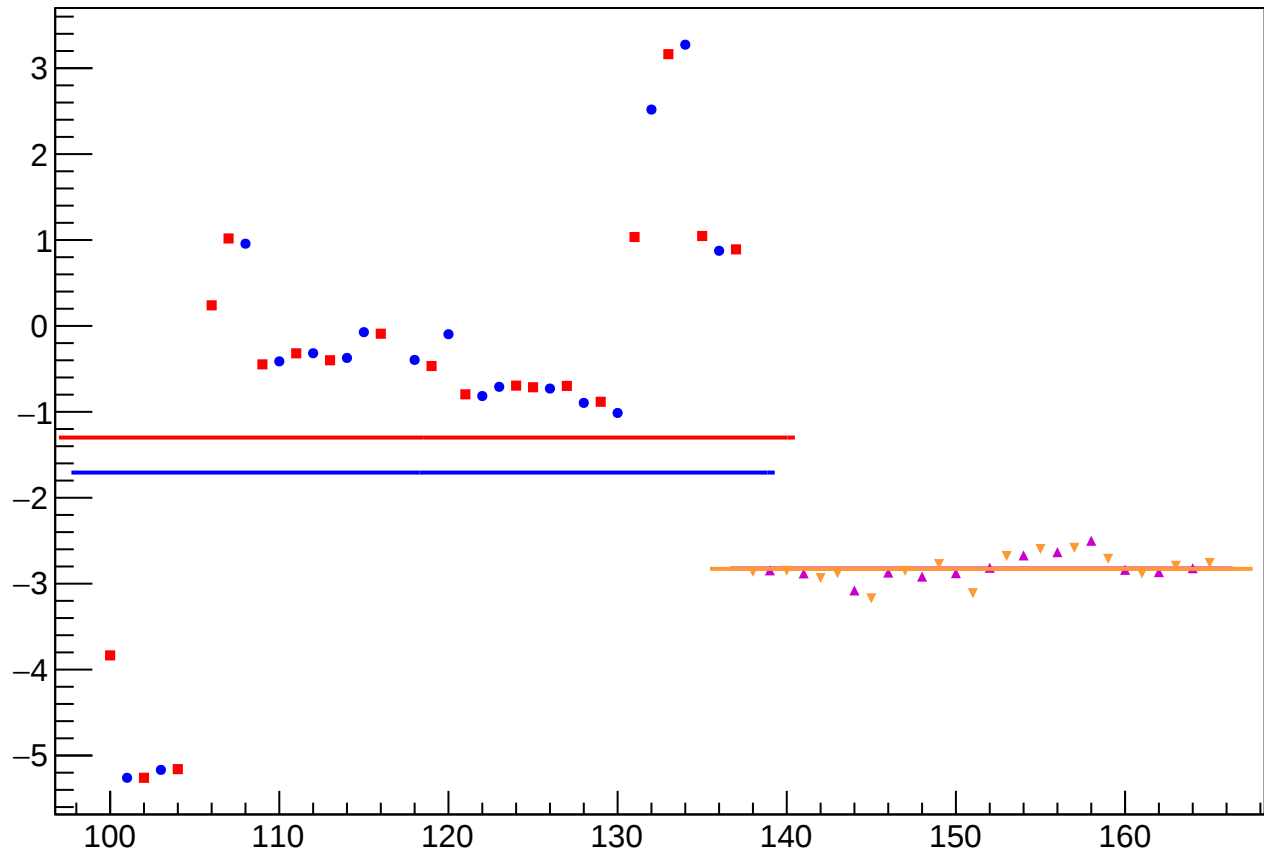
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:2692633.6/12

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 23554111.2/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 45259206.4/63

- 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: -2.827+/-0.000 χ^2/NDF : 4408175850.1/14

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

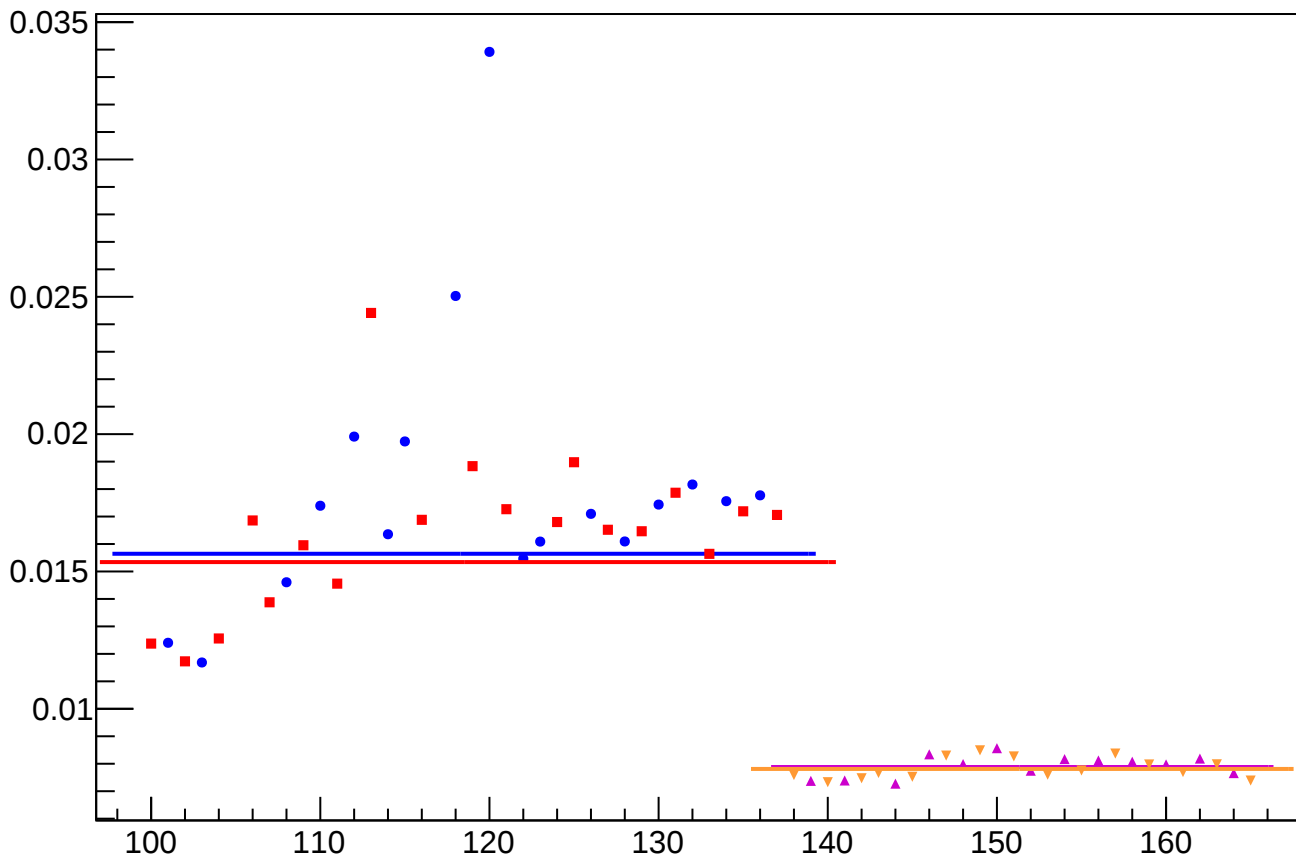
Left In: -2.823+/-0.000 χ^2/NDF : 3223283350.7/12

+ sign -2.696+/-0.000 χ^2/NDF : 195926177170.5/31

All: -2.652+/-0.000 χ^2/NDF : 430384911425.5

- 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 : 44495.9/14

Right Out: 0.015 ± 0.000 χ^2/NDF : 353806.7/18

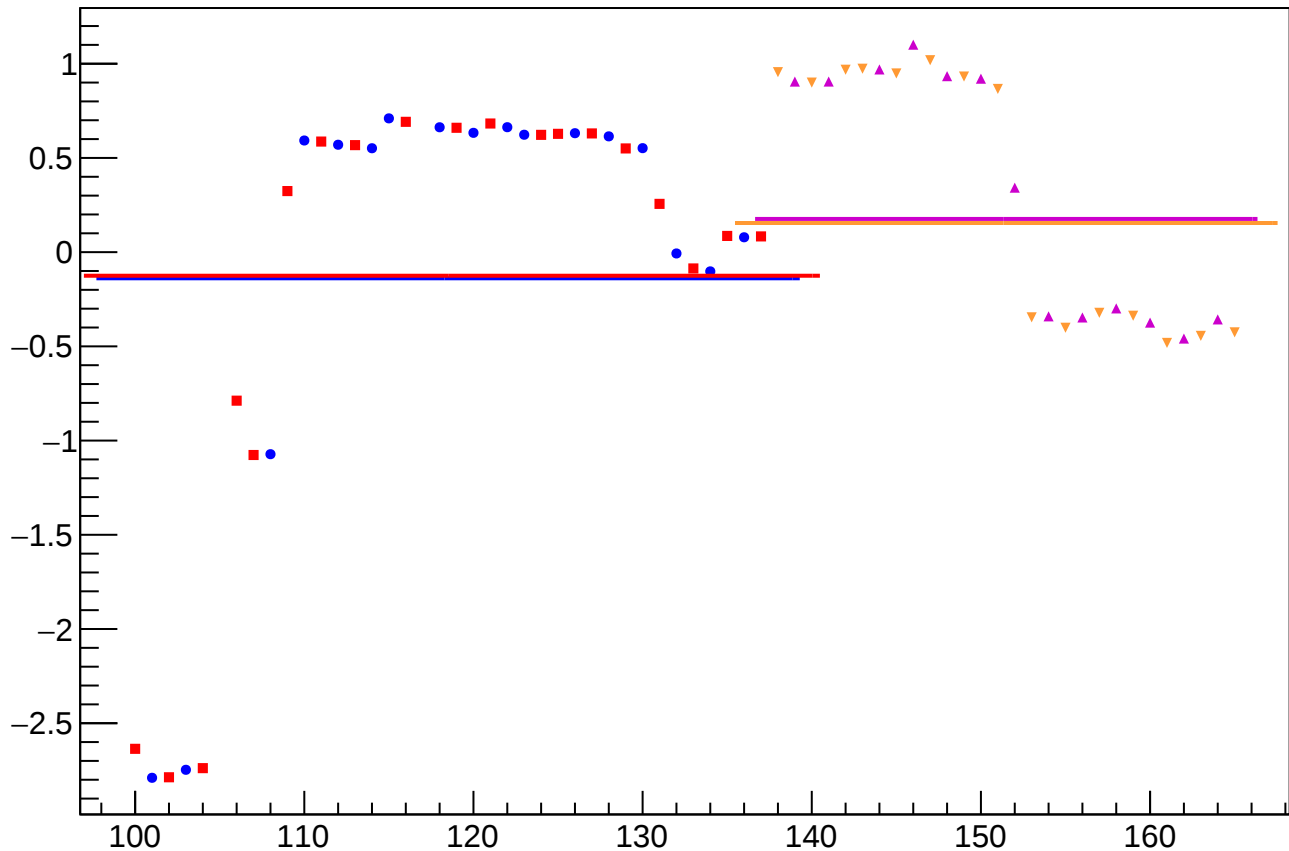
Left In: 0.008 ± 0.000 χ^2/NDF : 48359.5/12

+ sign 0.009 ± 0.000 χ^2/NDF : 3105398.5/31

All: 0.009 ± 0.000 χ^2/NDF : 6030023.0/63

- sign 0.009 ± 0.000 χ^2/NDF : 2915464.4/31

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.155+/-0.000 χ^2/NDF : 113330389394.0/14

Right Out: -0.125+/-0.000 χ^2/NDF : 761496762534.7/18

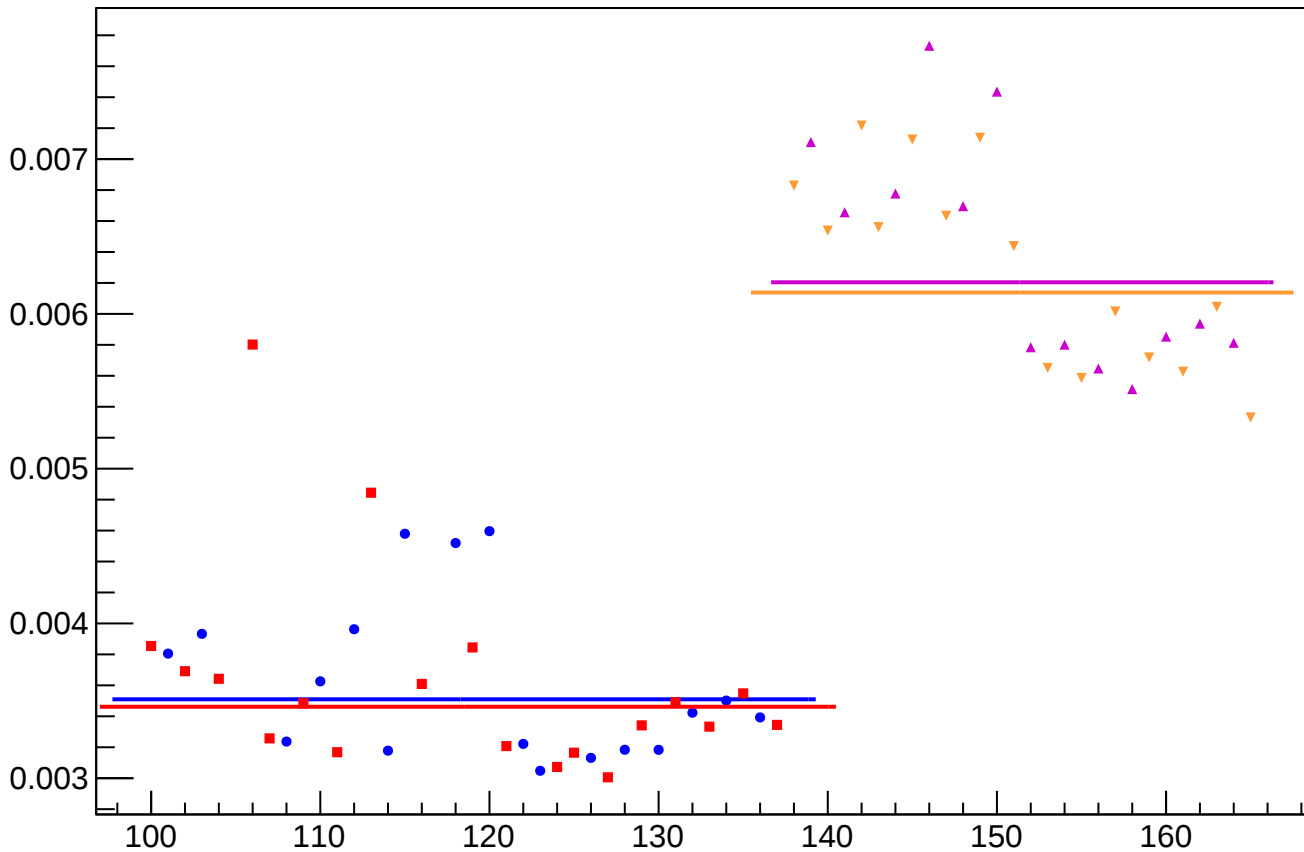
Left In: 0.176+/-0.000 χ^2/NDF : 90868729075.9/12

+ sign -0.040+/-0.000 χ^2/NDF : 843271327383.6/31

All: -0.037+/-0.000 χ^2/NDF : 1710951202278

- sign -0.035+/-0.000 χ^2/NDF : 867669384914.0/31

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.006+/-0.000 χ^2/NDF : 175428.0/14

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

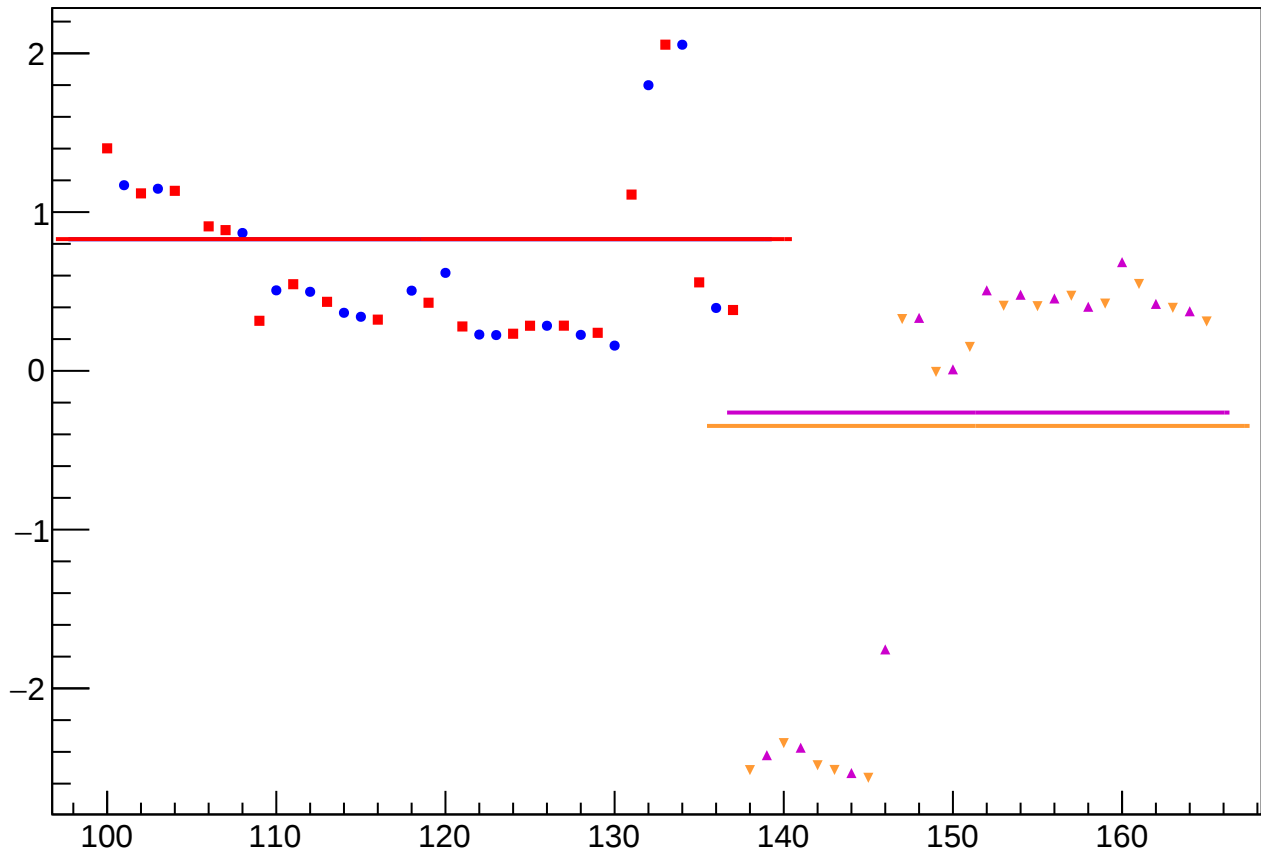
Left In: 0.006+/-0.000 χ^2/NDF : 204275.4/12

+ sign 0.004+/-0.000 χ^2/NDF : 2735609.0/31

All: 0.004+/-0.000 χ^2/NDF : 5699597.4/63

- sign 0.004+/-0.000 χ^2/NDF : 2954320.0/31

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -0.347+/-0.000 χ^2/NDF : 443714986873.4/14

Right Out: 0.830+/-0.000 χ^2/NDF : 33335665437.8/18

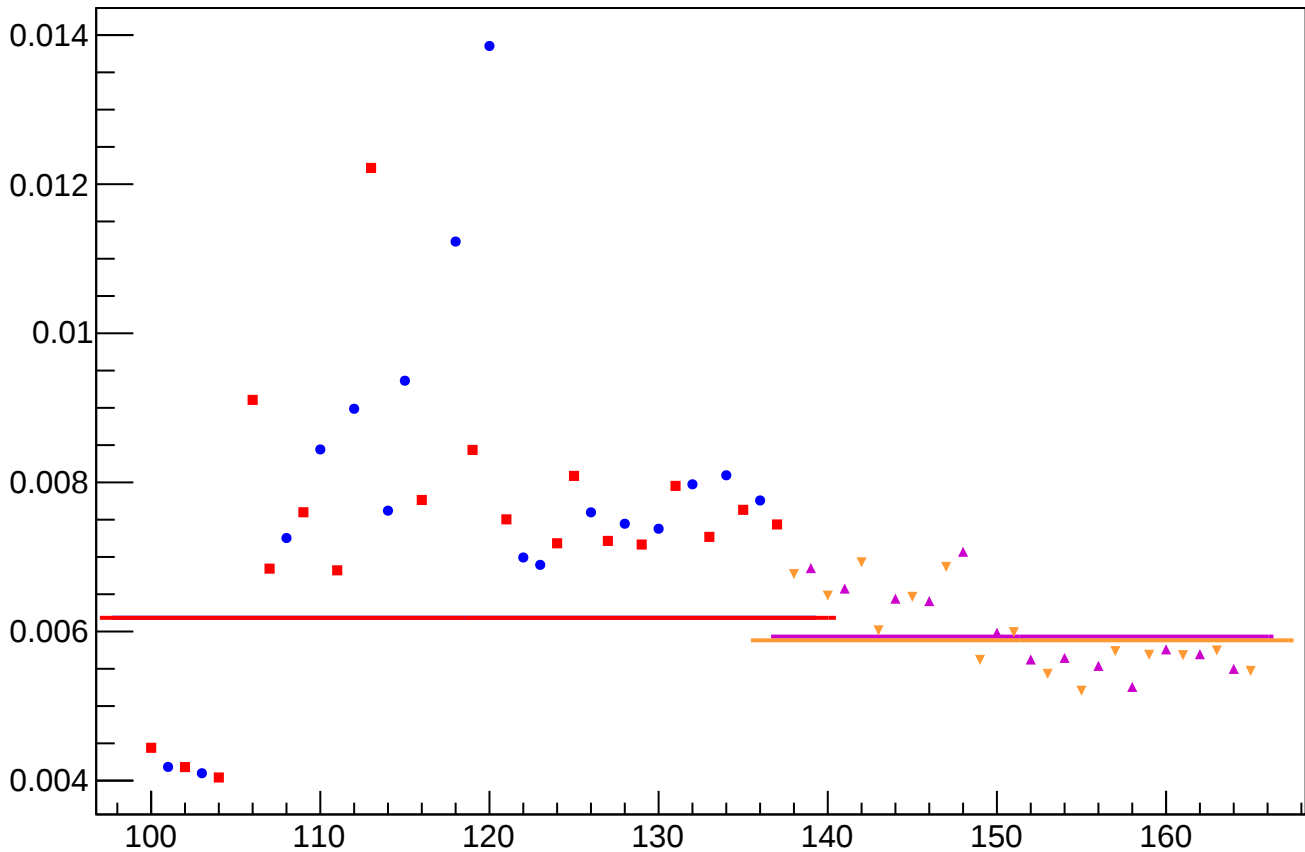
Left In: -0.263+/-0.000 χ^2/NDF : 380065159020.7/12

+ sign 0.029+/-0.000 χ^2/NDF : 606079686102.2/31

All: 0.079+/-0.000 χ^2/NDF : 1137928767519.

- sign 0.129+/-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 : 145768.5/14

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

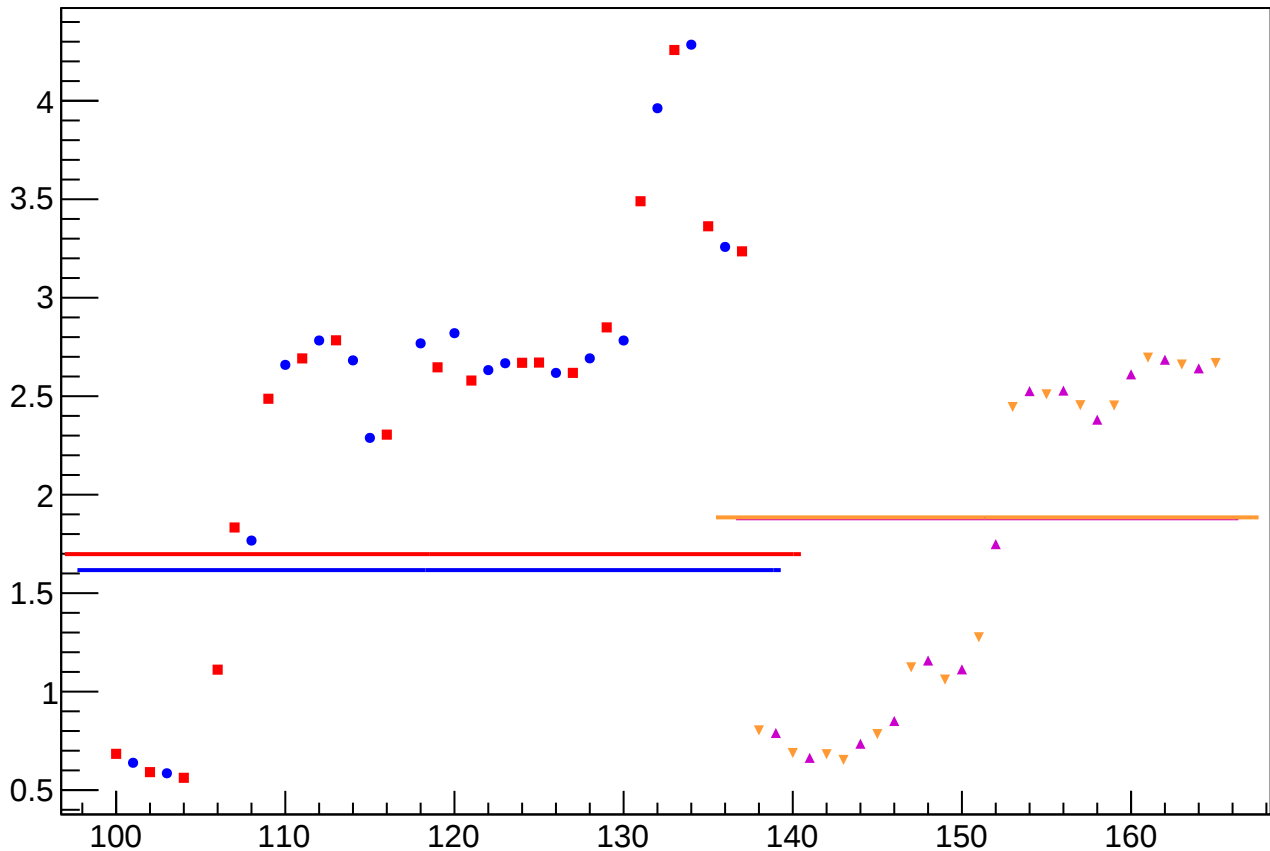
Left In: 0.006+/-0.000 χ^2/NDF : 147690.0/12

+ sign 0.006+/-0.000 χ^2/NDF : 1392096.9/31

All: 0.006+/-0.000 χ^2/NDF : 2579799.5/63

- 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: 1.885+/-0.000 χ^2/NDF : 226694873587.0/14

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

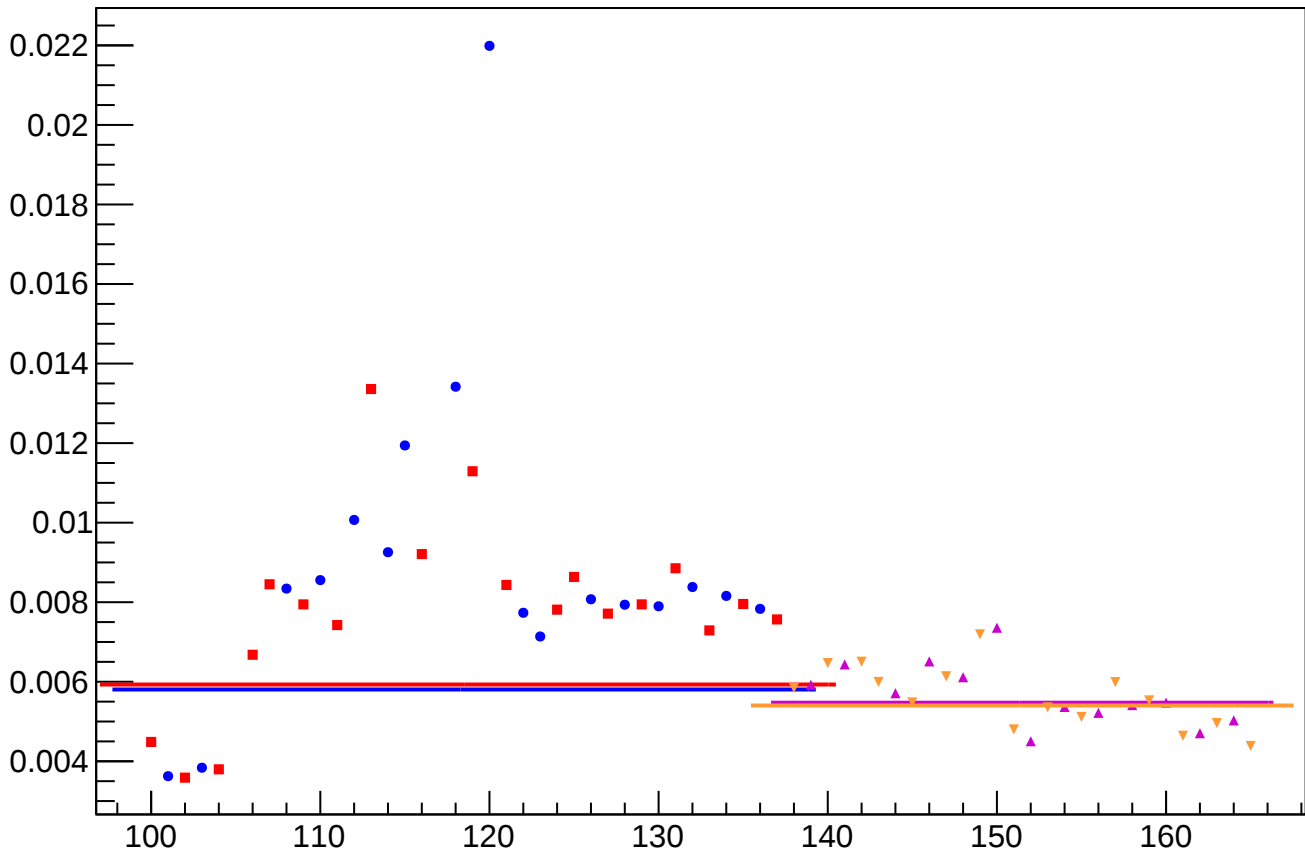
Left In: 1.880+/-0.000 χ^2/NDF : 187576198129.1/12

+ sign 1.803+/-0.000 χ^2/NDF : 436728317518.4/31

All: 1.811+/-0.000 χ^2/NDF : 855126188080.4

- 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: 0.005+/-0.000 χ^2/NDF : 327364.9/14

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

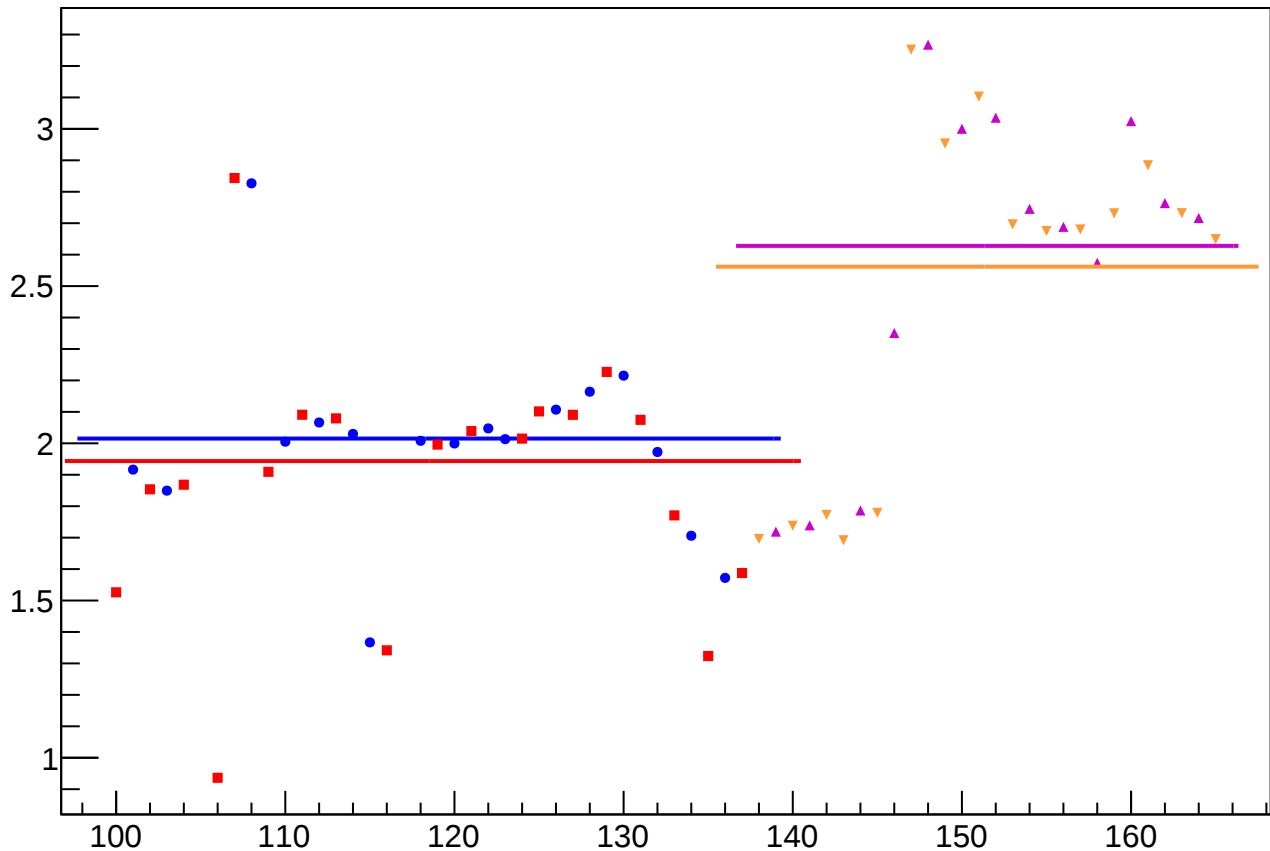
Left In: 0.005+/-0.000 χ^2/NDF : 306798.1/12

+ sign 0.006+/-0.000 χ^2/NDF : 2277648.5/31

All: 0.006+/-0.000 χ^2/NDF : 4317061.6/63

- sign 0.006+/-0.000 χ^2/NDF : 2034677.1/31

yield_bpm0l06X_mean vs Slug



Right In: 2.015 $\pm$ 0.000 χ^2 /NDF: 12228403202.6/16

Left Out: 2.562 $\pm$ 0.000 χ^2 /NDF: 48105251758.5/14

Right Out: 1.944 $\pm$ 0.000 χ^2 /NDF: 21427099579.0/18

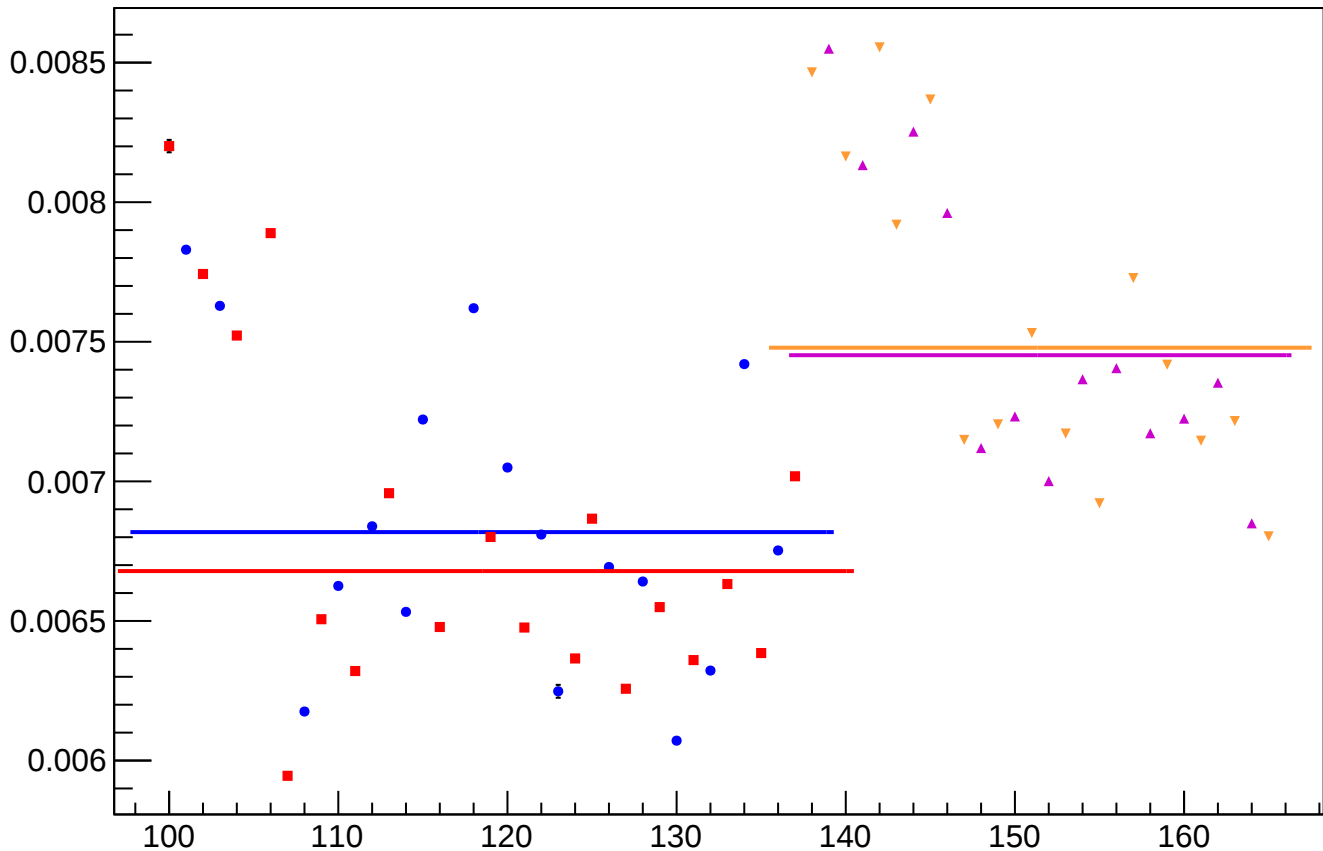
Left In: 2.628 $\pm$ 0.000 χ^2 /NDF: 40577910365.1/12

+ sign 2.331 $\pm$ 0.000 χ^2 /NDF: 83930730217.1/31

All: 2.321 $\pm$ 0.000 χ^2 /NDF: 184274247200.0

- sign 2.311 $\pm$ 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: 0.007 $\pm$ 0.000 χ^2 /NDF:98058.3/14

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 75718.4/18

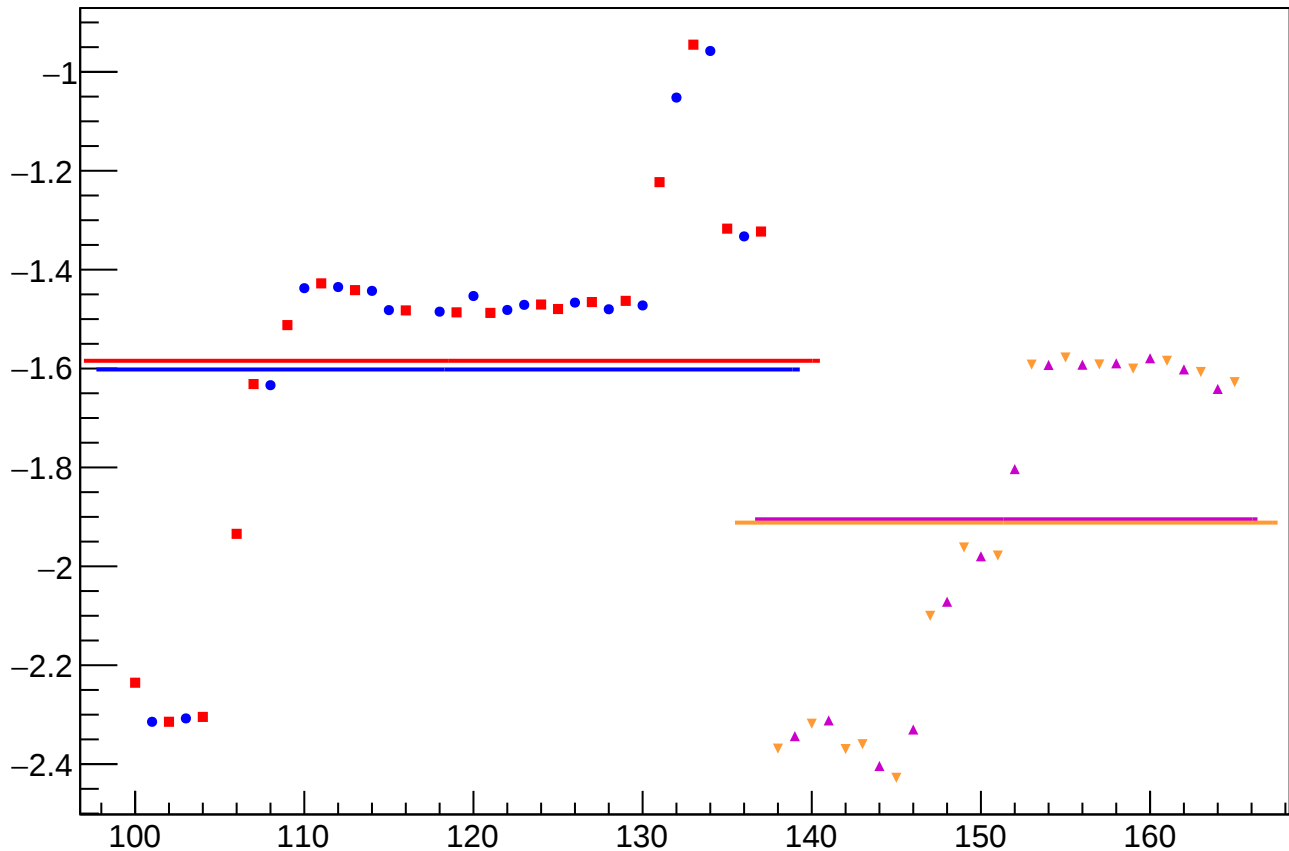
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:79333.3/12

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 242783.9/31

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 499214.3/63

- 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: -1.912+/-0.000 χ^2/NDF : 145040276293.6/14

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

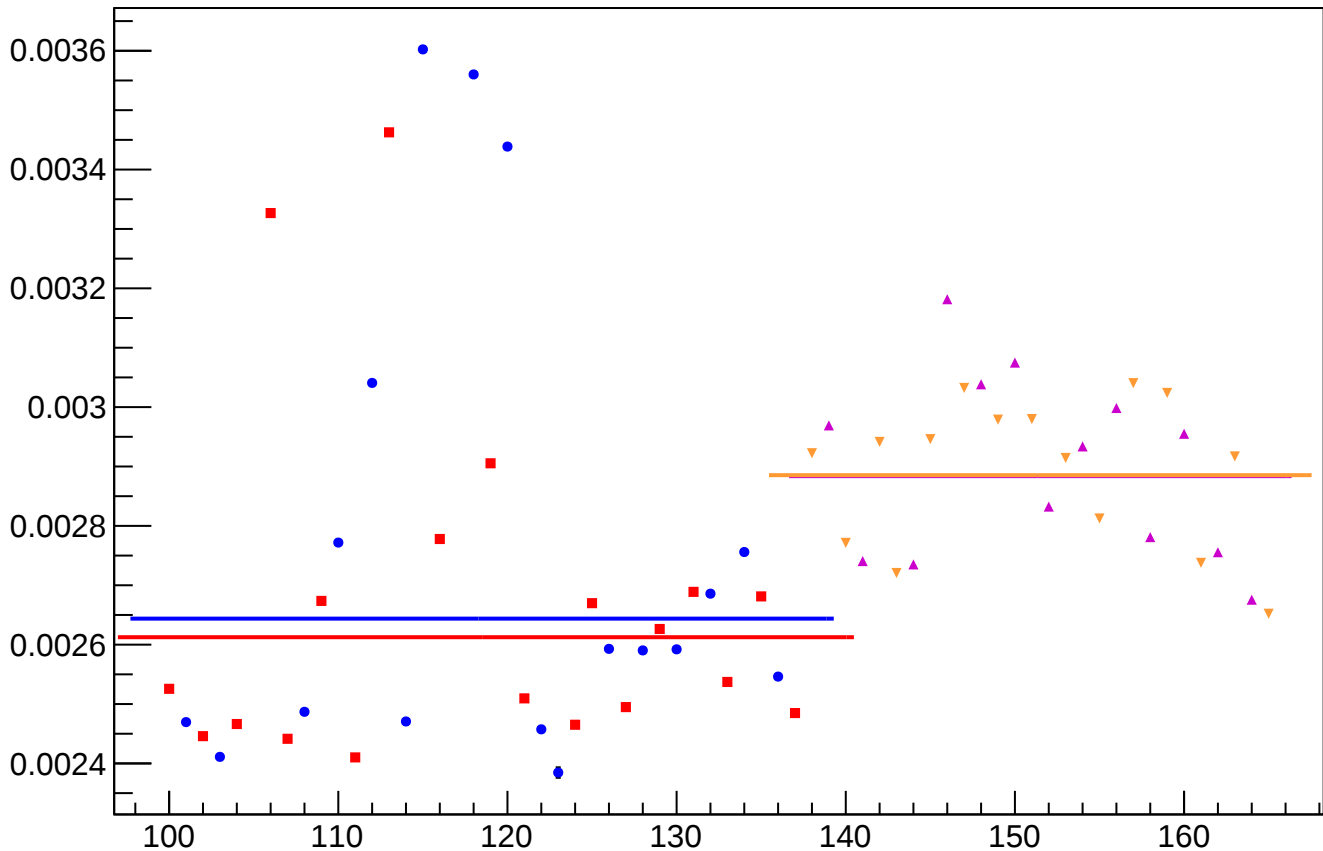
Left In: -1.905+/-0.000 χ^2/NDF : 126619988888.4/12

+ sign -1.782+/-0.000 χ^2/NDF : 335339687219.1/31

All: -1.770+/-0.000 χ^2/NDF : 660895763921.5

- 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 : 36241.4/14

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

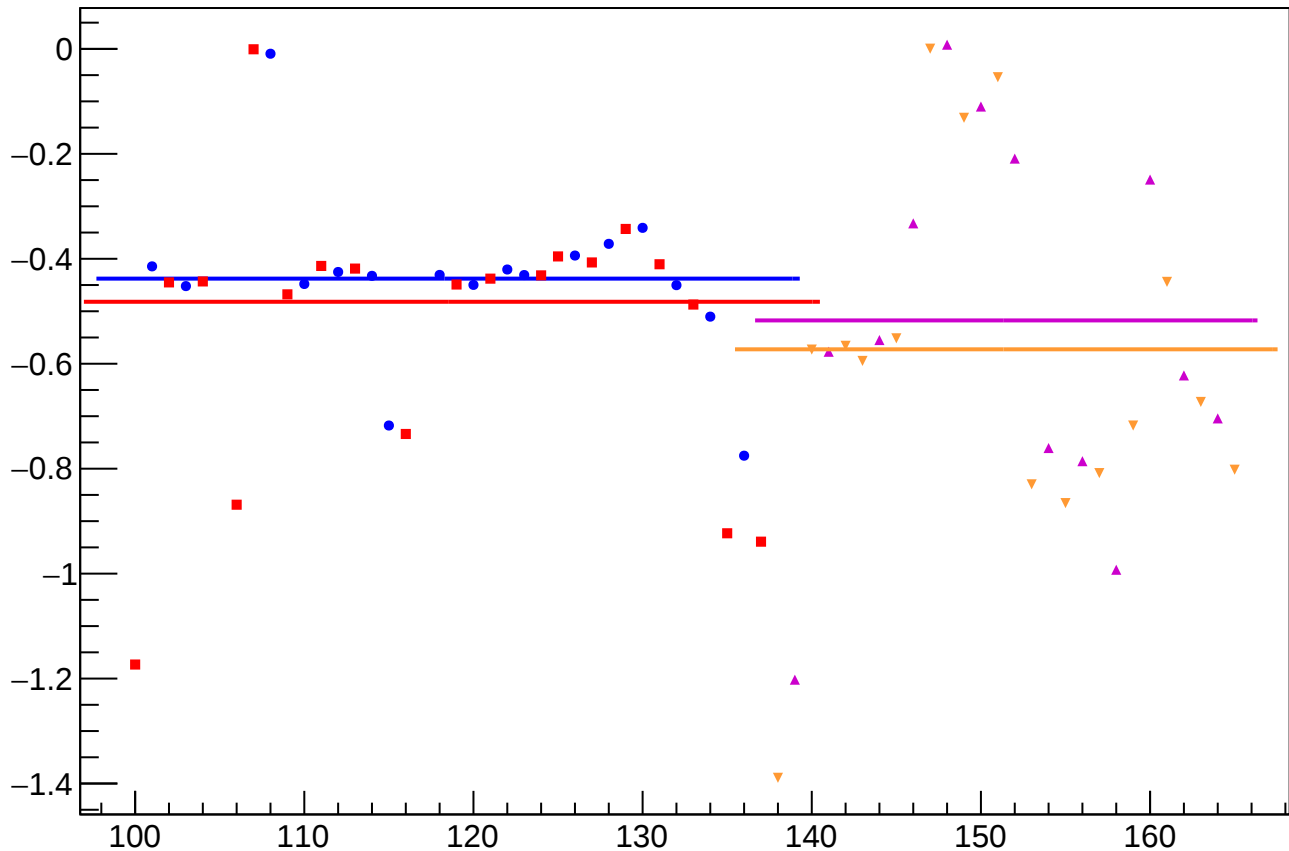
Left In: 0.003+/-0.000 χ^2/NDF : 49172.2/12

+ sign 0.003+/-0.000 χ^2/NDF : 248588.1/31

All: 0.003+/-0.000 χ^2/NDF : 482694.8/63

- sign 0.003+/-0.000 χ^2/NDF : 232879.4/31

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.573+/-0.000 χ^2/NDF : 7814527573.9/14

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

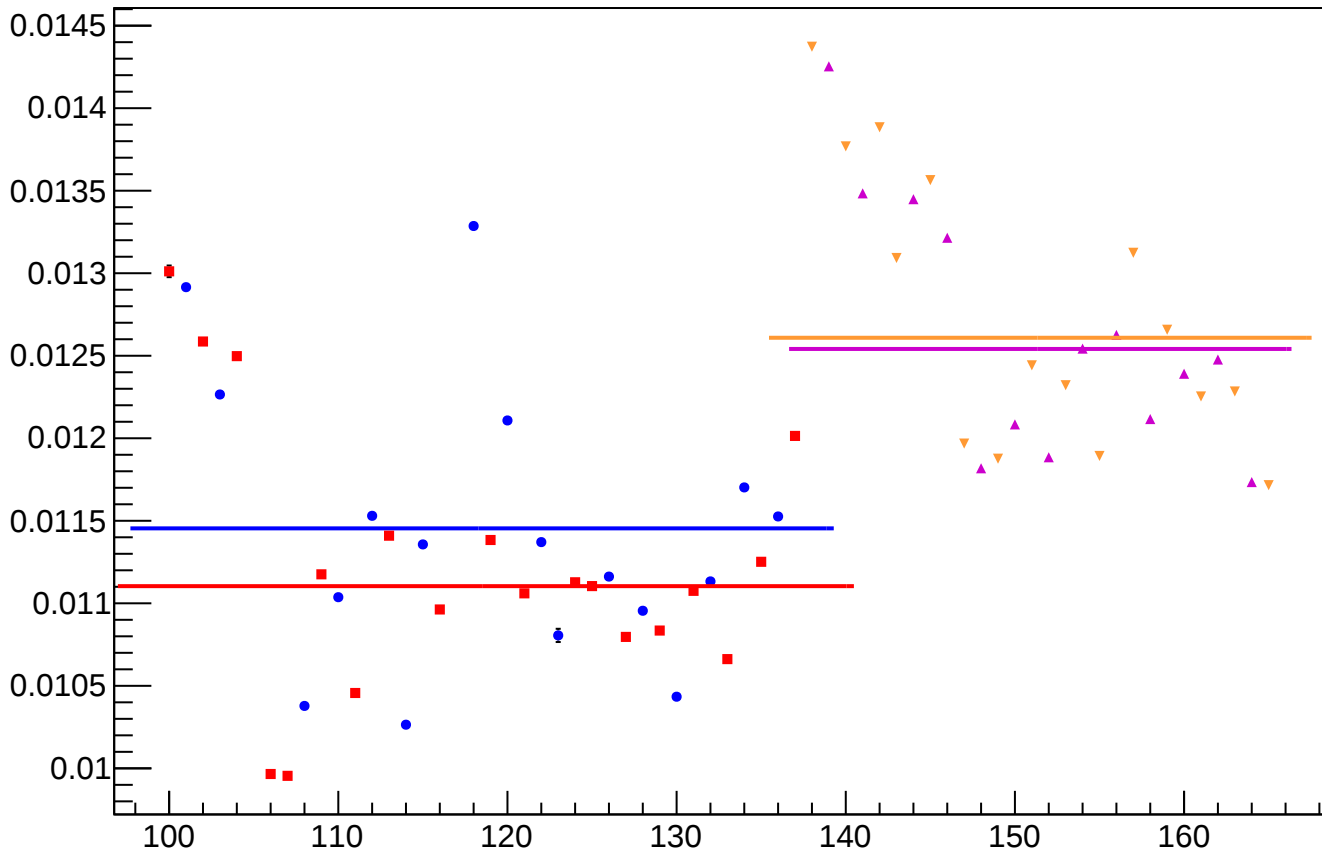
Left In: -0.517+/-0.000 χ^2/NDF : 7090751535.7/12

+ sign -0.515+/-0.000 χ^2/NDF : 9789554345.6/31

All: -0.508+/-0.000 χ^2/NDF : 19624272099.6/31

- sign -0.501+/-0.000 χ^2/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 : 74219.7/14

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

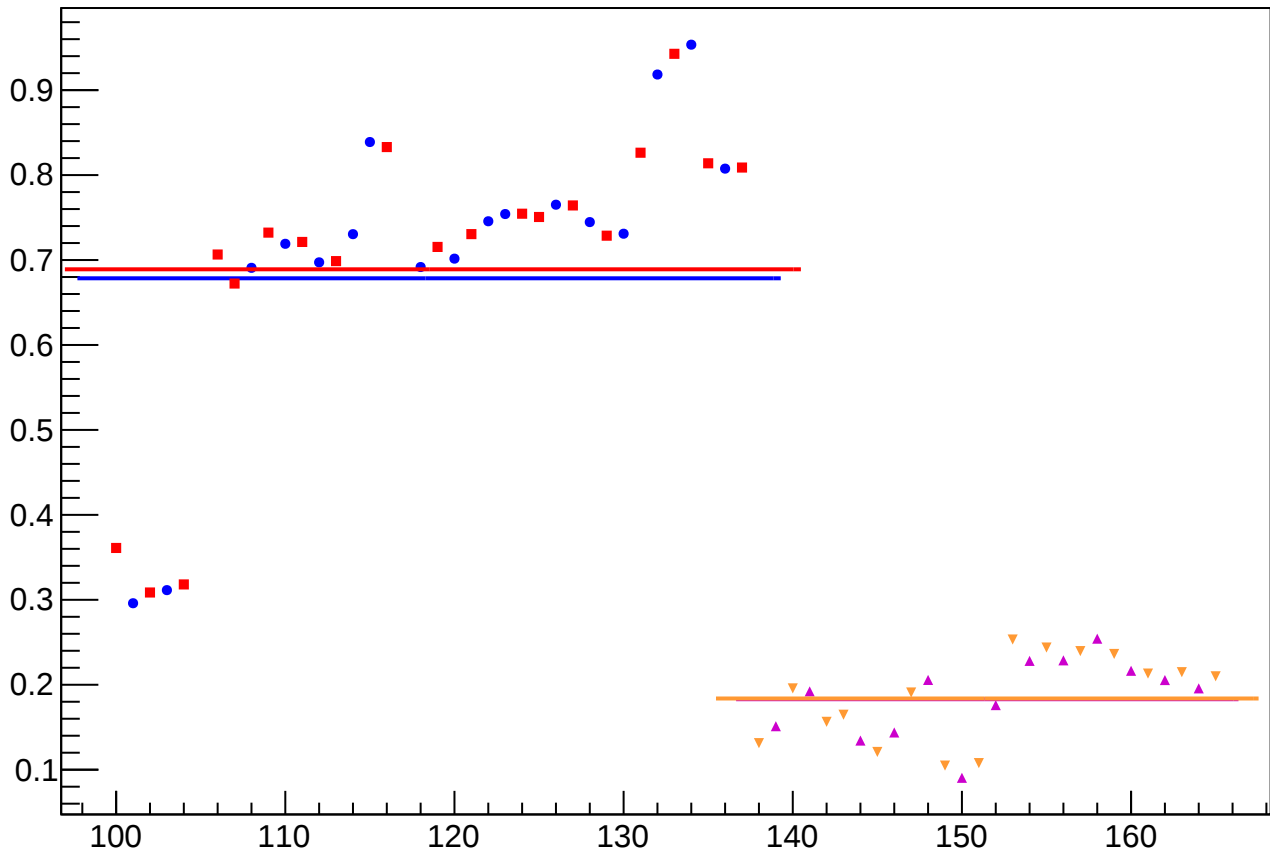
Left In: 0.013+/-0.000 χ^2/NDF : 58586.0/12

+ sign 0.012+/-0.000 χ^2/NDF : 214234.7/31

All: 0.012+/-0.000 χ^2/NDF : 458614.6/63

- 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: 0.184 $\pm$ 0.000 χ^2 /NDF: 5403747789.6/14

+ sign 0.341 $\pm$ 0.000 χ^2 /NDF: 213199303832.7/31

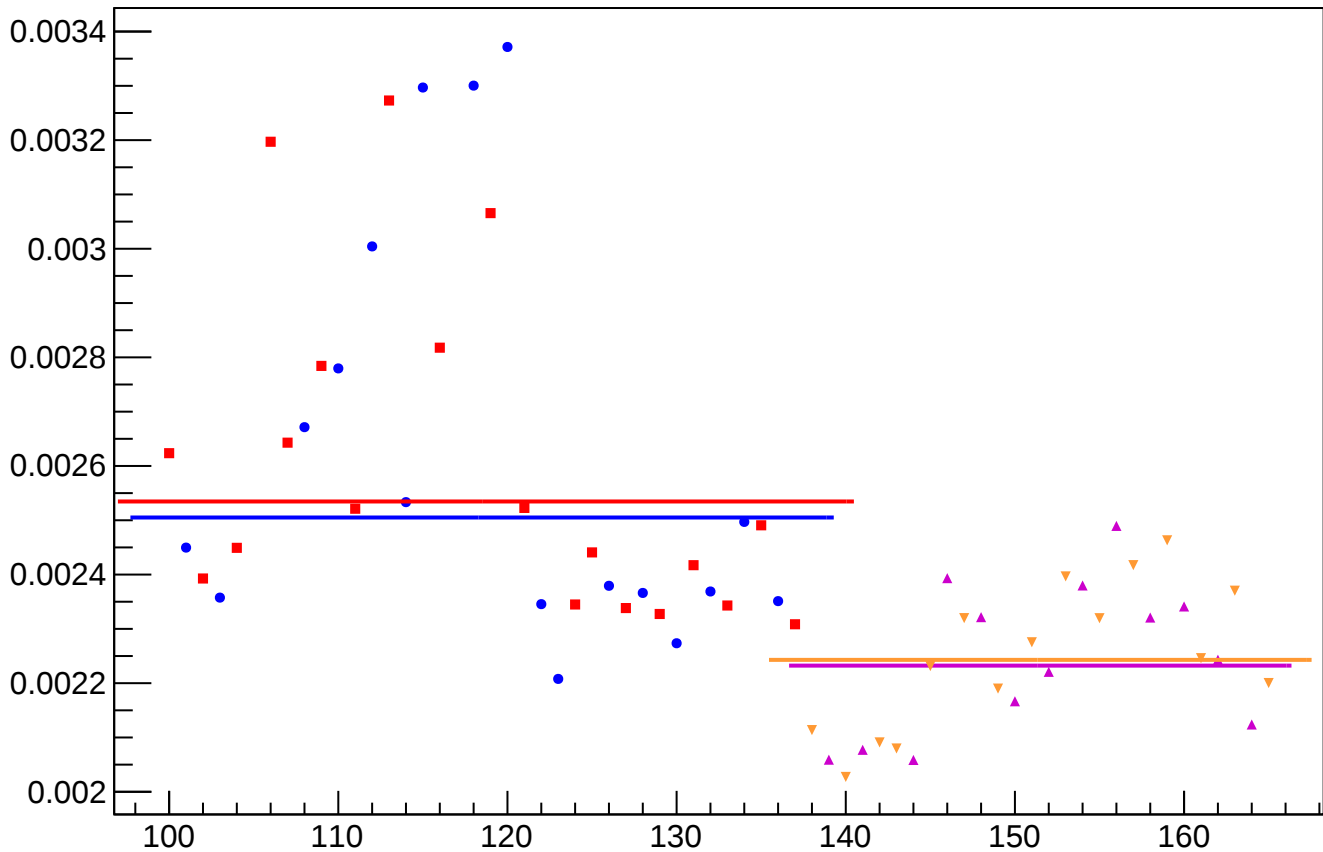
Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

All: 0.348 $\pm$ 0.000 χ^2 /NDF: 429701880353.1

Left In: 0.183 $\pm$ 0.000 χ^2 /NDF: 4116467588.0/12

- sign 0.354 $\pm$ 0.000 χ^2 /NDF: 216243871938.4/31

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 175524.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 72906.0/14

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 131609.0/18

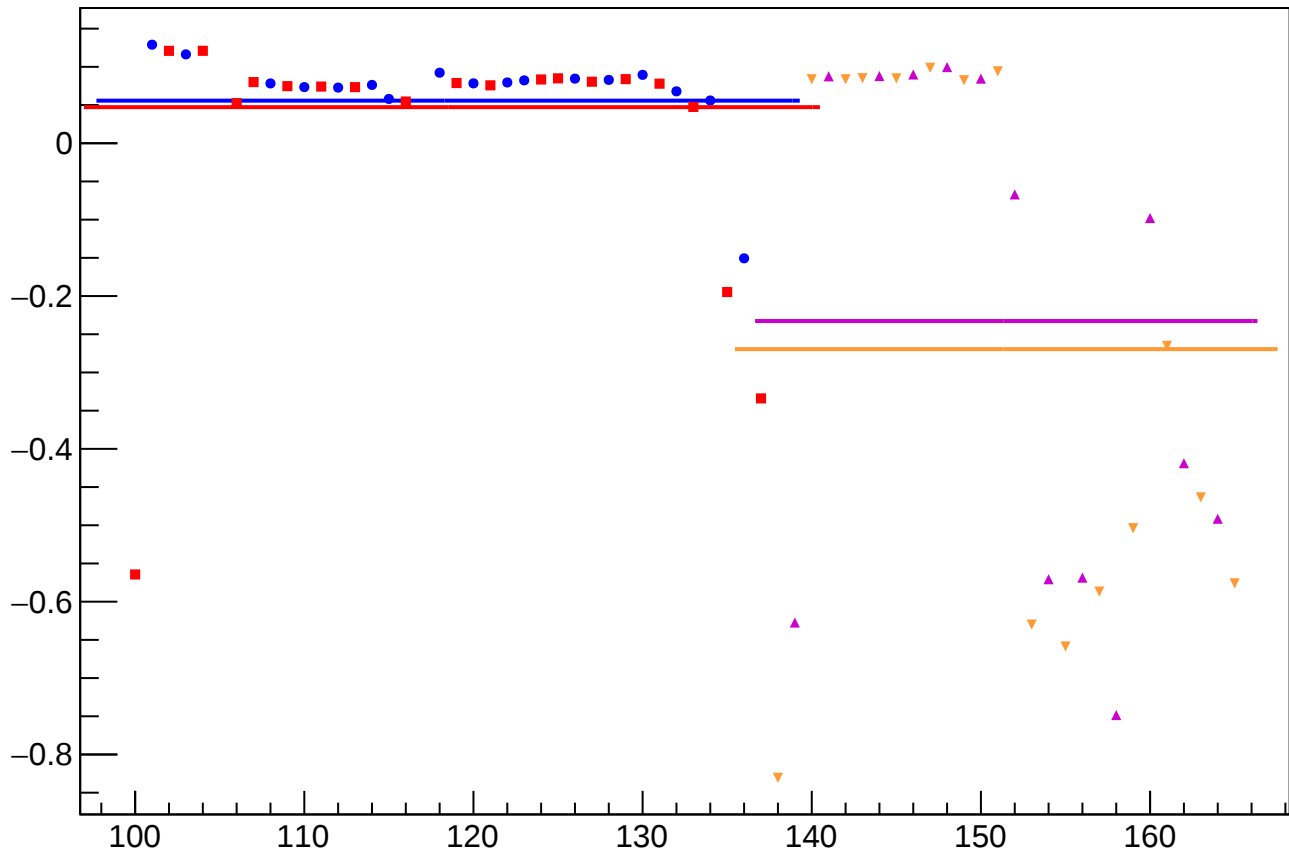
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 74099.4/12

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 343539.5/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 675564.3/63

- sign 0.002 $\pm$ 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: -0.269+/-0.000 χ^2/NDF : 9187071025.0/14

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

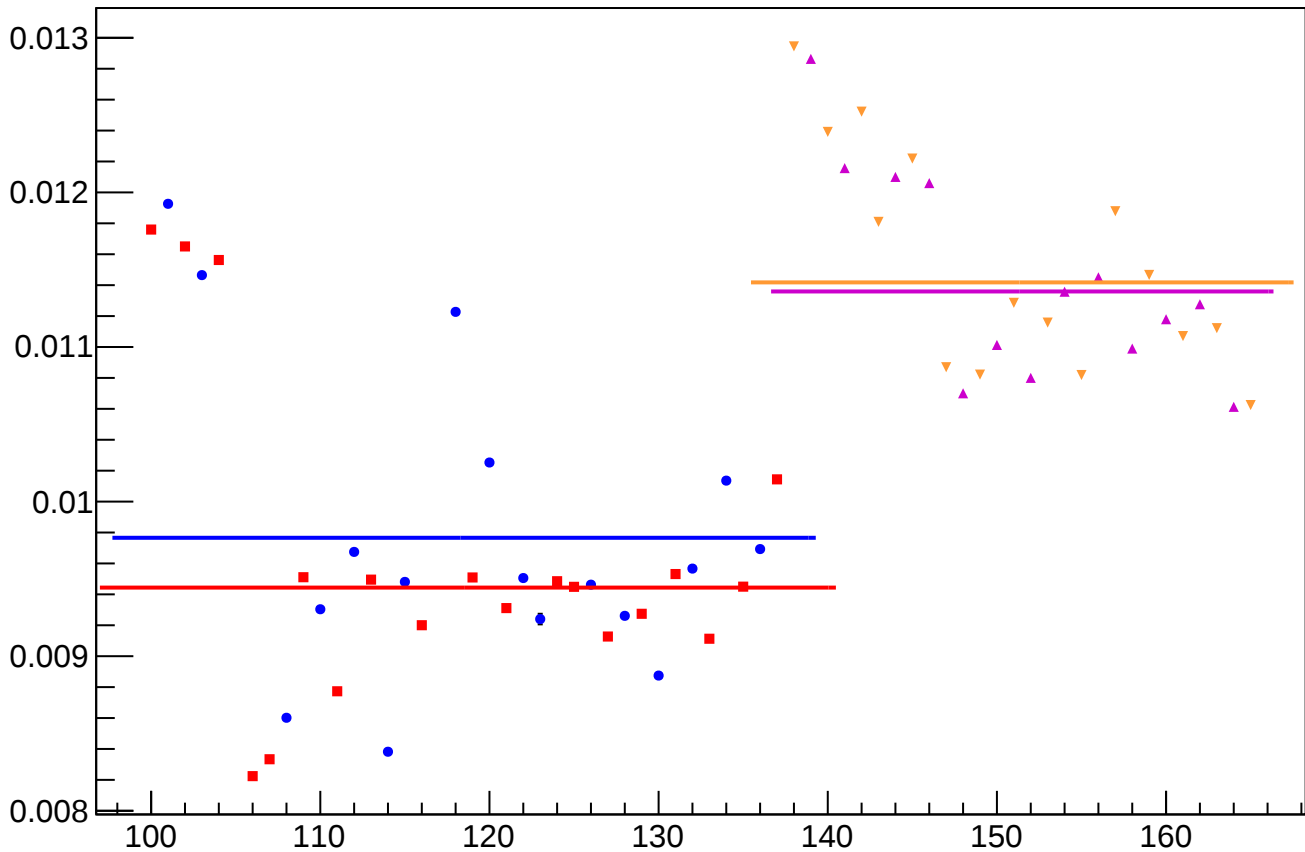
Left In: -0.233+/-0.000 χ^2/NDF : 7668025210.4/12

+ sign -0.121+/-0.000 χ^2/NDF : 13496111334.1/31

All: -0.106+/-0.000 χ^2/NDF : 25053156519.2/31

- sign -0.091+/-0.000 χ^2/NDF : 11489046265.7/31

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 116638.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 66915.0/14

Right Out: 0.009+/-0.000 χ^2/NDF : 110693.8/18

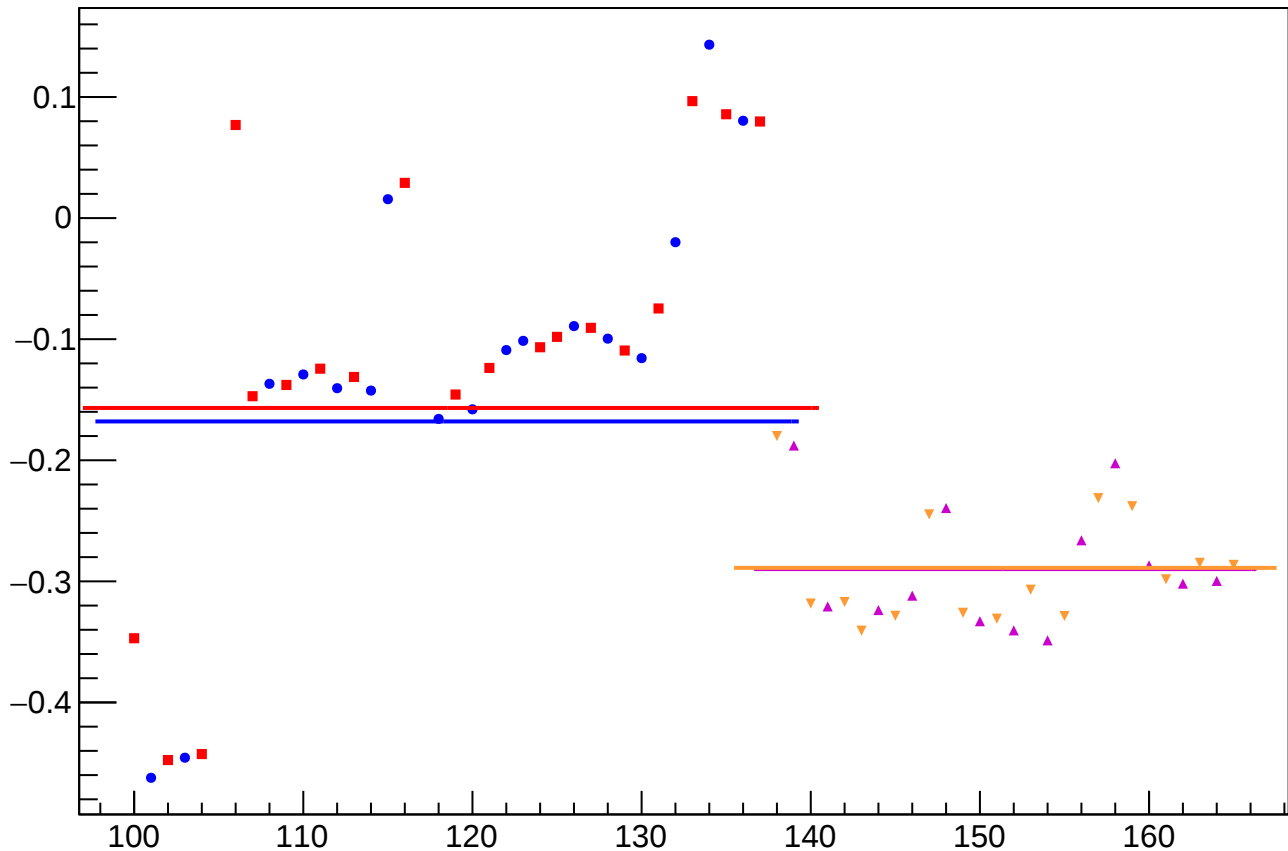
Left In: 0.011+/-0.000 χ^2/NDF : 55620.5/12

+ sign 0.011+/-0.000 χ^2/NDF : 384130.9/31

All: 0.011+/-0.000 χ^2/NDF : 842832.8/63

- sign 0.010+/-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 : 2669311667.0/14

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

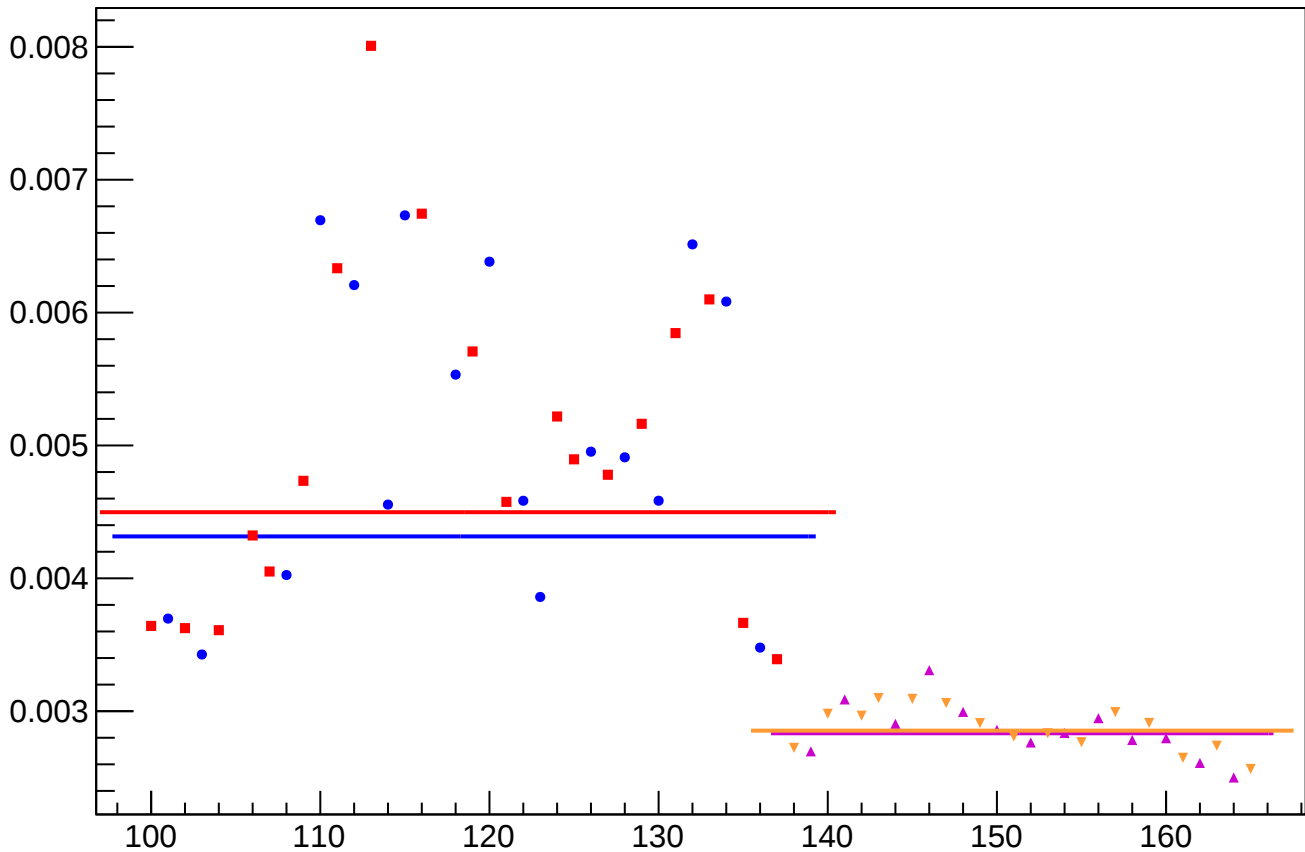
Left In: -0.290+/-0.000 χ^2/NDF : 3061657148.7/12

+ sign -0.265+/-0.000 χ^2/NDF : 18675970506.4/31

All: -0.264+/-0.000 χ^2/NDF : 37117349048.0/31

- sign -0.263+/-0.000 χ^2/NDF : 18437235356.7/31

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003+/-0.000 χ^2/NDF : 62597.0/14

Right Out: 0.004+/-0.000 χ^2/NDF : 649708.4/18

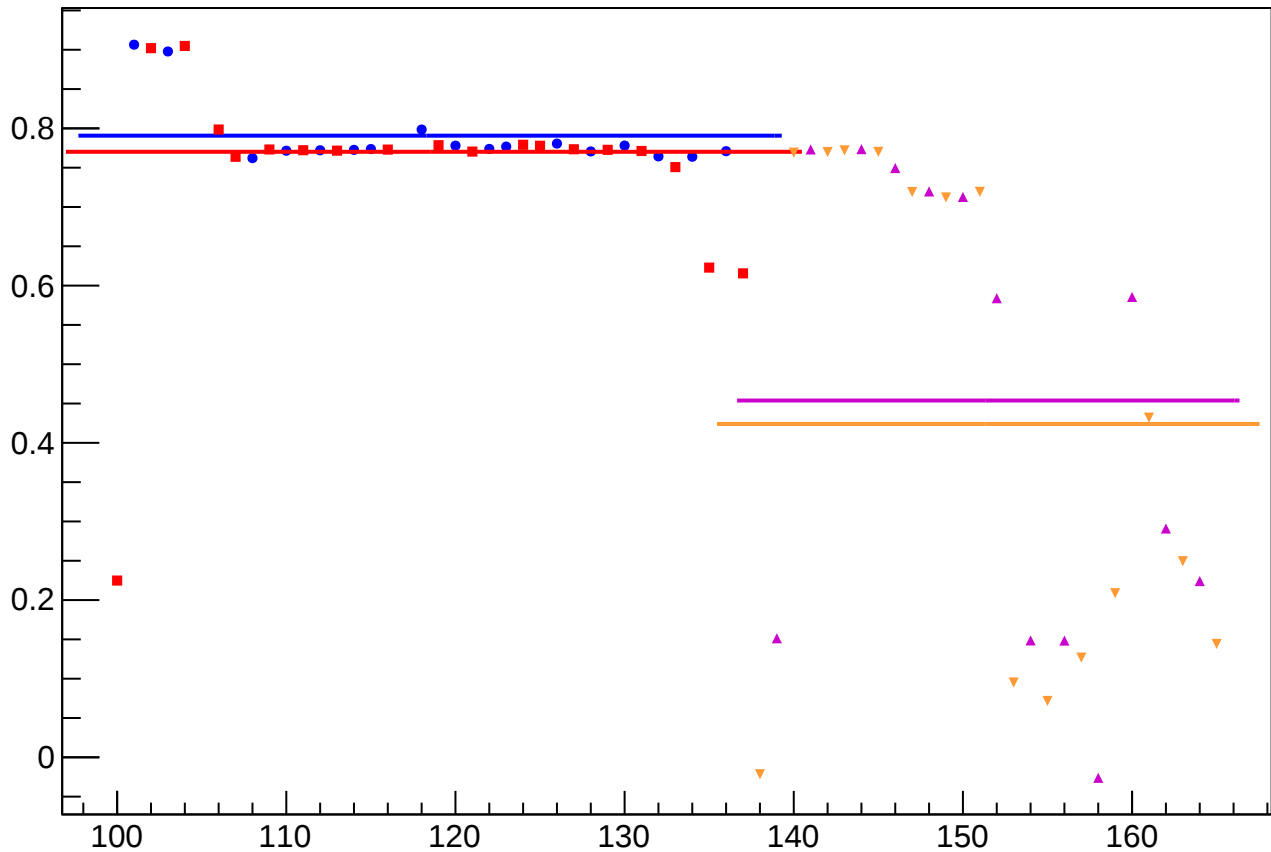
Left In: 0.003+/-0.000 χ^2/NDF : 84198.0/12

+ sign 0.003+/-0.000 χ^2/NDF : 1756208.7/31

All: 0.003+/-0.000 χ^2/NDF : 3851425.5/63

- sign 0.003+/-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: 0.424 $\pm$ 0.000 χ^2 /NDF: 7648661123.9/14

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

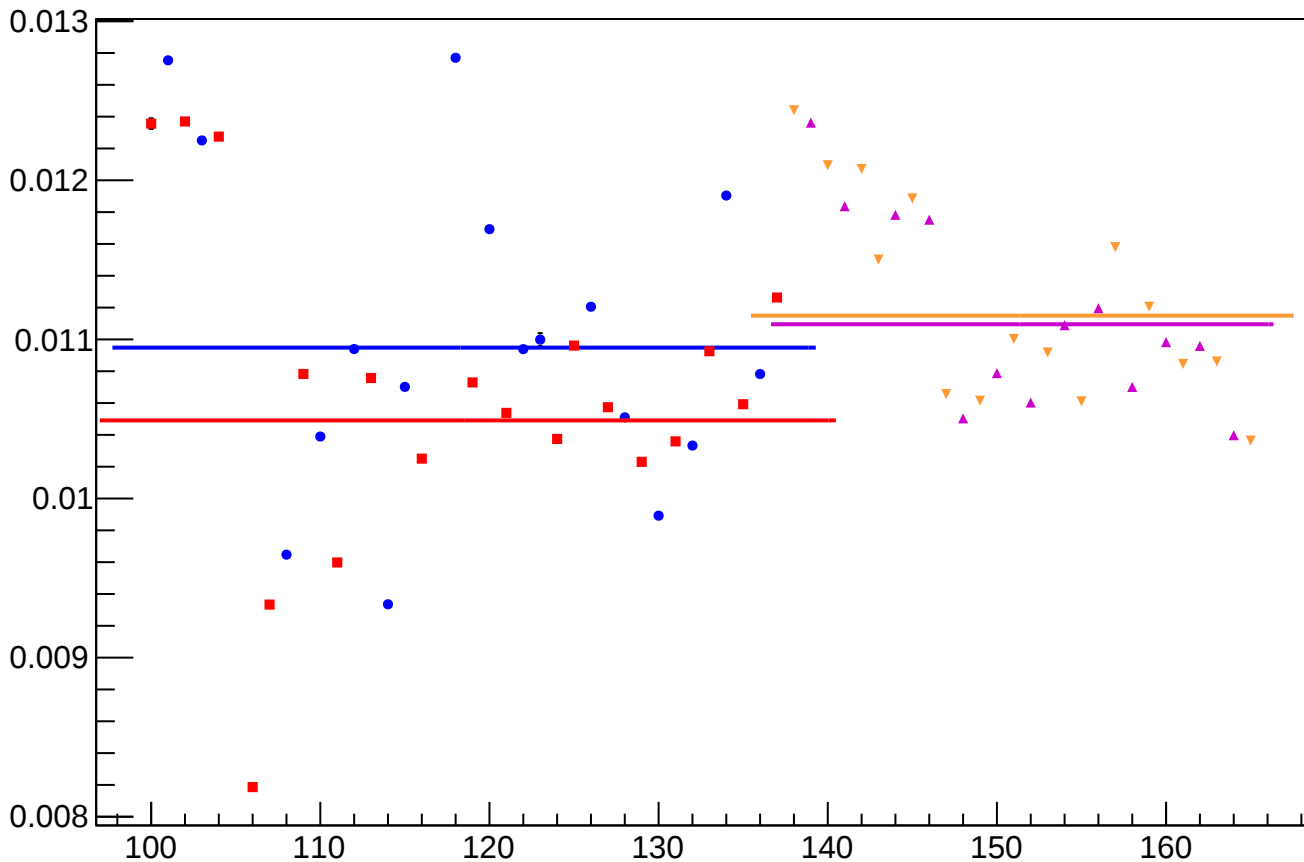
Left In: 0.454 $\pm$ 0.000 χ^2 /NDF: 6498993842.6/12

+ sign 0.566 $\pm$ 0.000 χ^2 /NDF: 12187277489.7/31

All: 0.580 $\pm$ 0.000 χ^2 /NDF: 22631135634.7/6

- 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:58075.9/14

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 119420.8/18

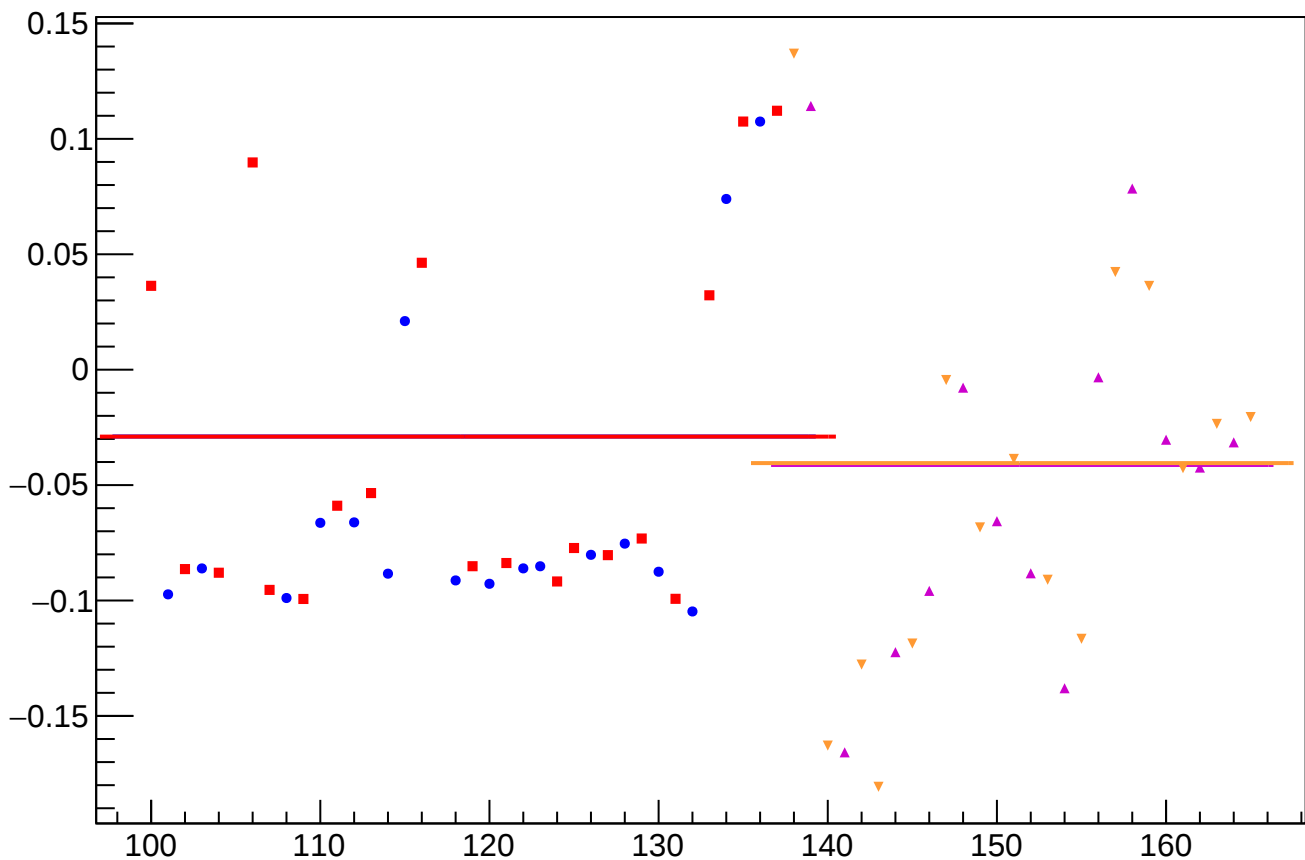
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:47968.8/12

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 159295.3/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 360597.1/63

- 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: -0.040 ± 0.000 χ^2/NDF : 6669920398.0/14

Right Out: -0.029 ± 0.000 χ^2/NDF : 2113349669.8/18

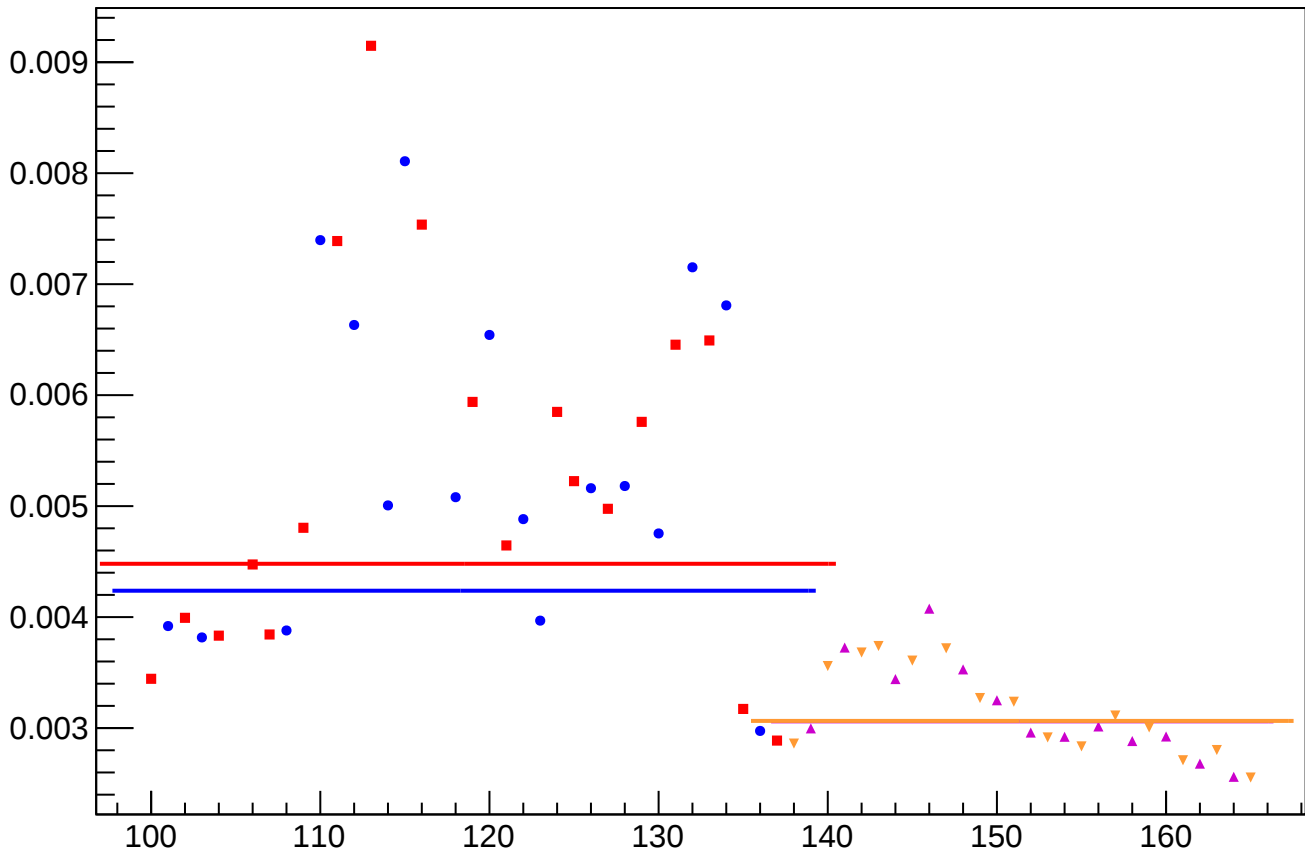
Left In: -0.041 ± 0.000 χ^2/NDF : 5832184242.8/12

+ sign -0.038 ± 0.000 χ^2/NDF : 9147502193.7/31

All: -0.038 ± 0.000 χ^2/NDF : 17127379236.8/31

- sign -0.039 ± 0.000 χ^2/NDF : 7979641507.6/31

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 881584.1/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 277747.8/14

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 984186.1/18

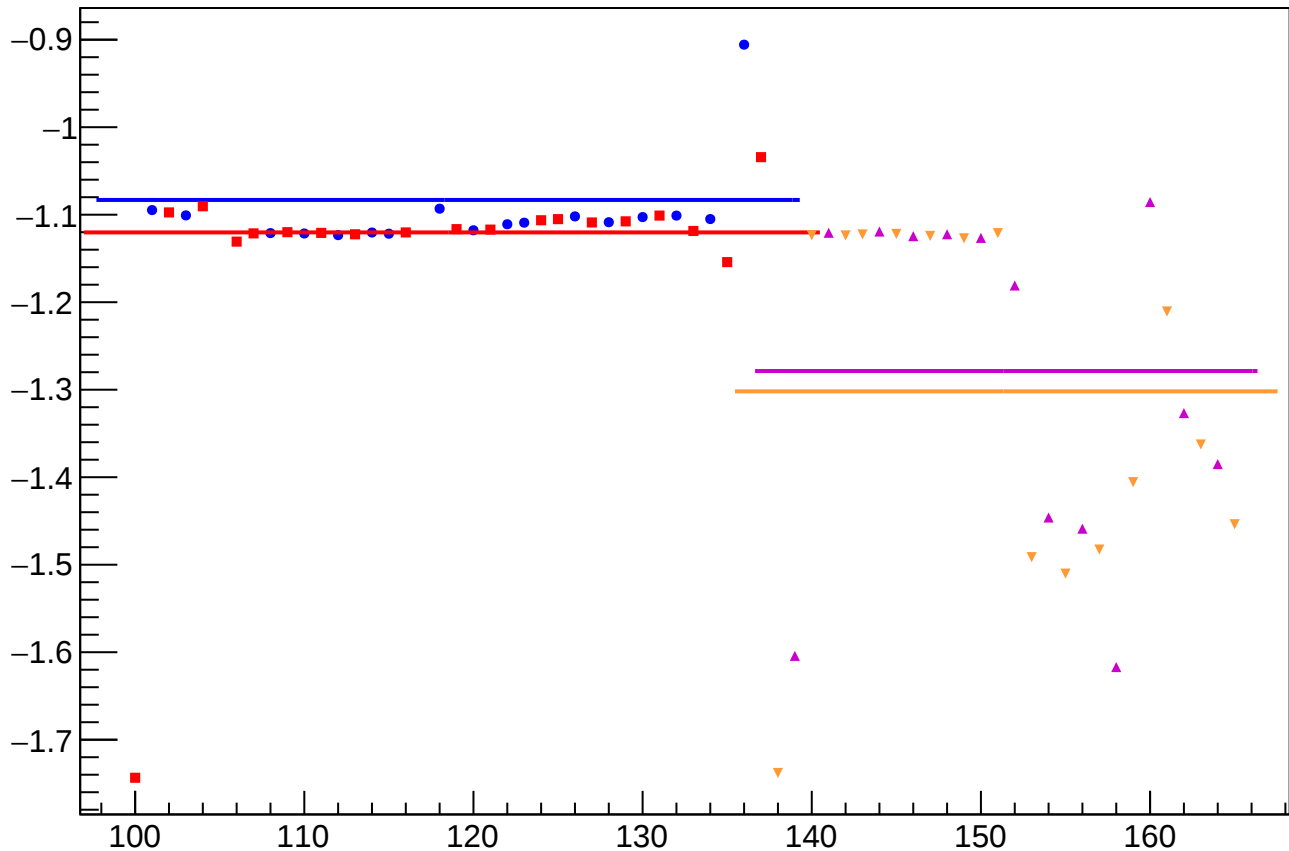
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 271385.7/12

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1814043.7/31

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3985472.0/63

- sign 0.003 $\pm$ 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: -1.302+/-0.000 χ^2/NDF : 3751779588.8/14

Right Out: -1.120+/-0.000 χ^2/NDF : 220571280.7/18

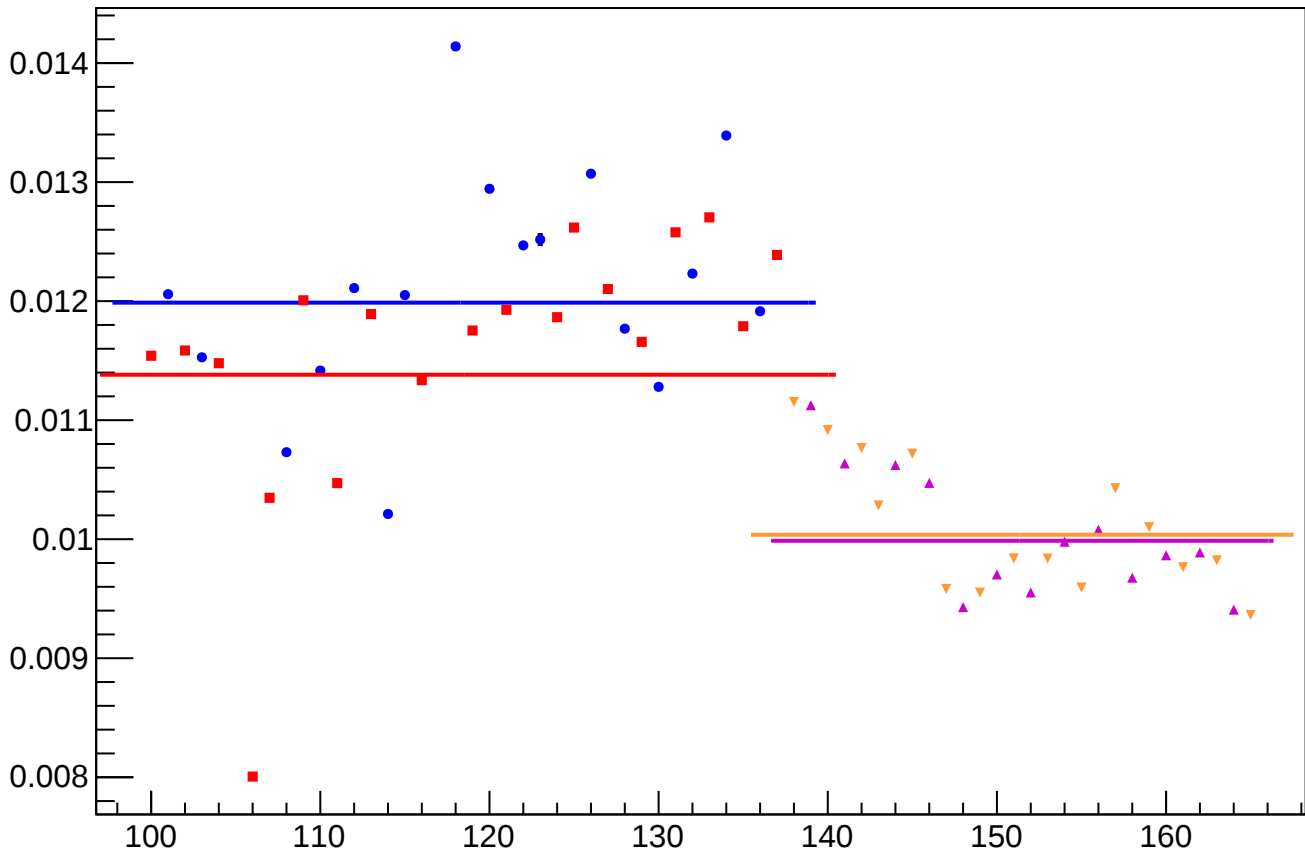
Left In: -1.279+/-0.000 χ^2/NDF : 3432530802.1/12

+ sign -1.237+/-0.000 χ^2/NDF : 5459524642.9/31

All: -1.230+/-0.000 χ^2/NDF : 9990894712.1/6

- sign -1.224+/-0.000 χ^2/NDF : 4518312231.1/31

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:55763.3/14

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

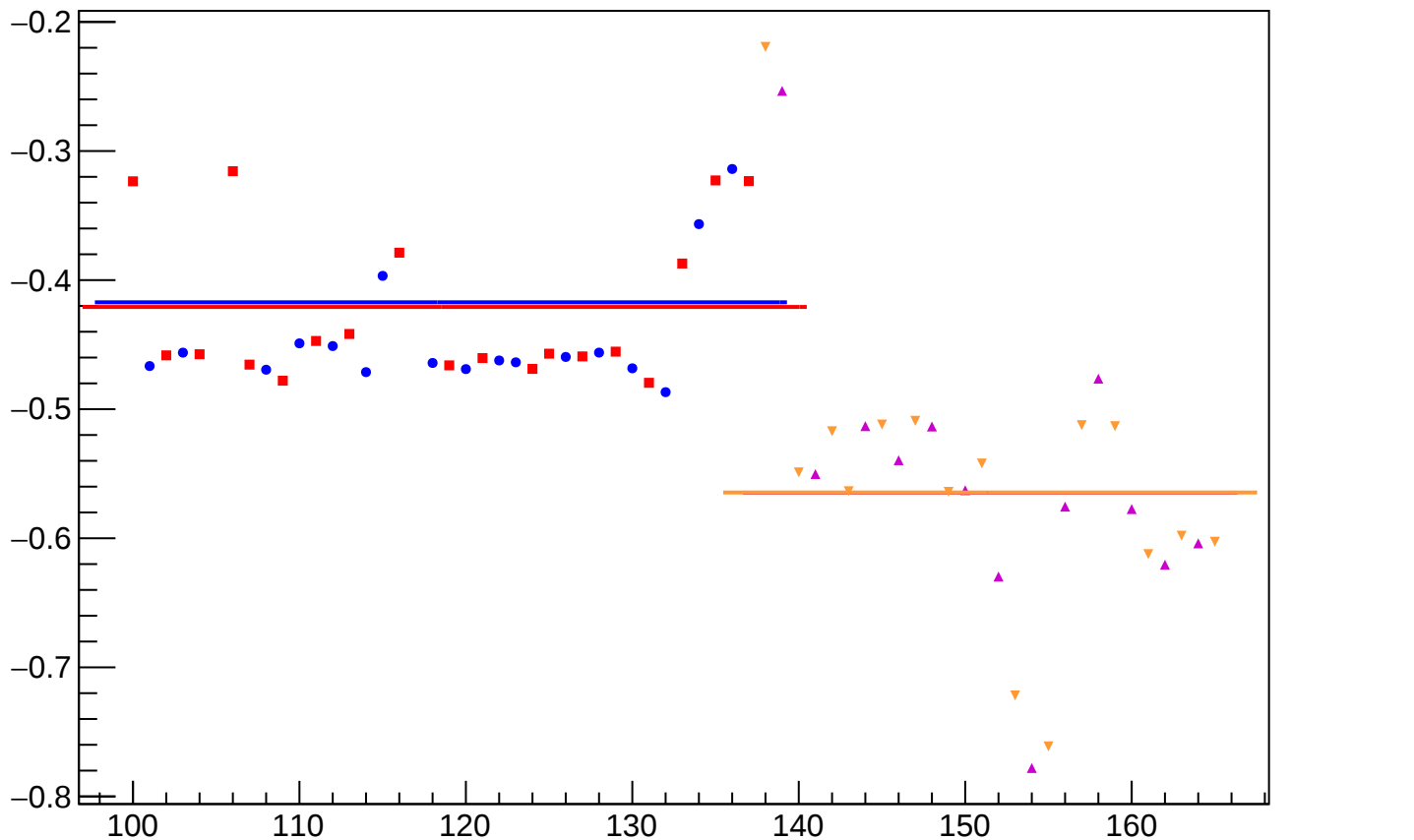
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:45808.2/12

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 355372.2/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 693208.0/63

- sign 0.010 $\pm$ 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: -0.565 ± 0.000 χ^2/NDF : 13076349997.9/14

Right Out: -0.421 ± 0.000 χ^2/NDF : 1646463410.7/18

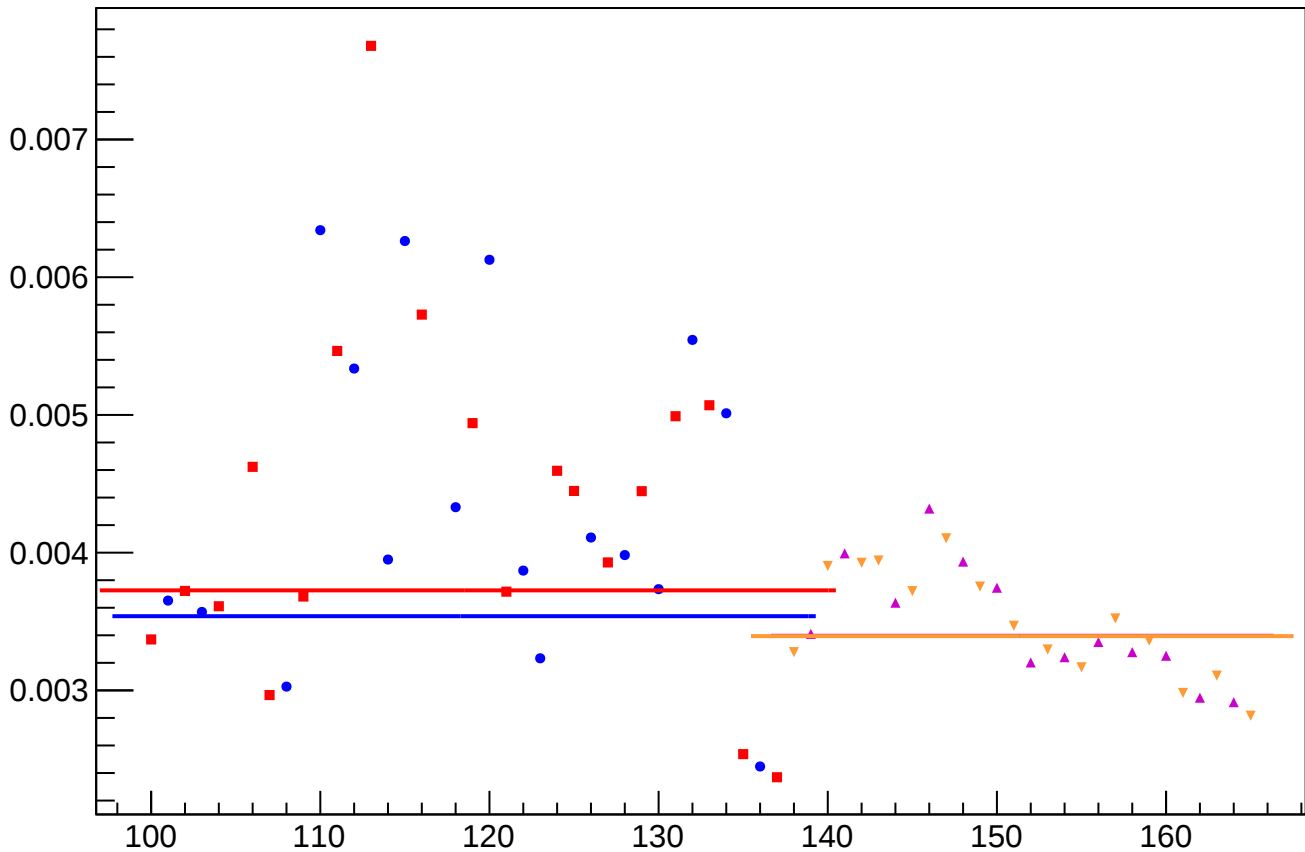
Left In: -0.565 ± 0.000 χ^2/NDF : 10405294123.6/12

+ sign -0.516 ± 0.000 χ^2/NDF : 21438801546.1/31

All: -0.516 ± 0.000 χ^2/NDF : 39262778940.7/31

- 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:230719.4/14

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

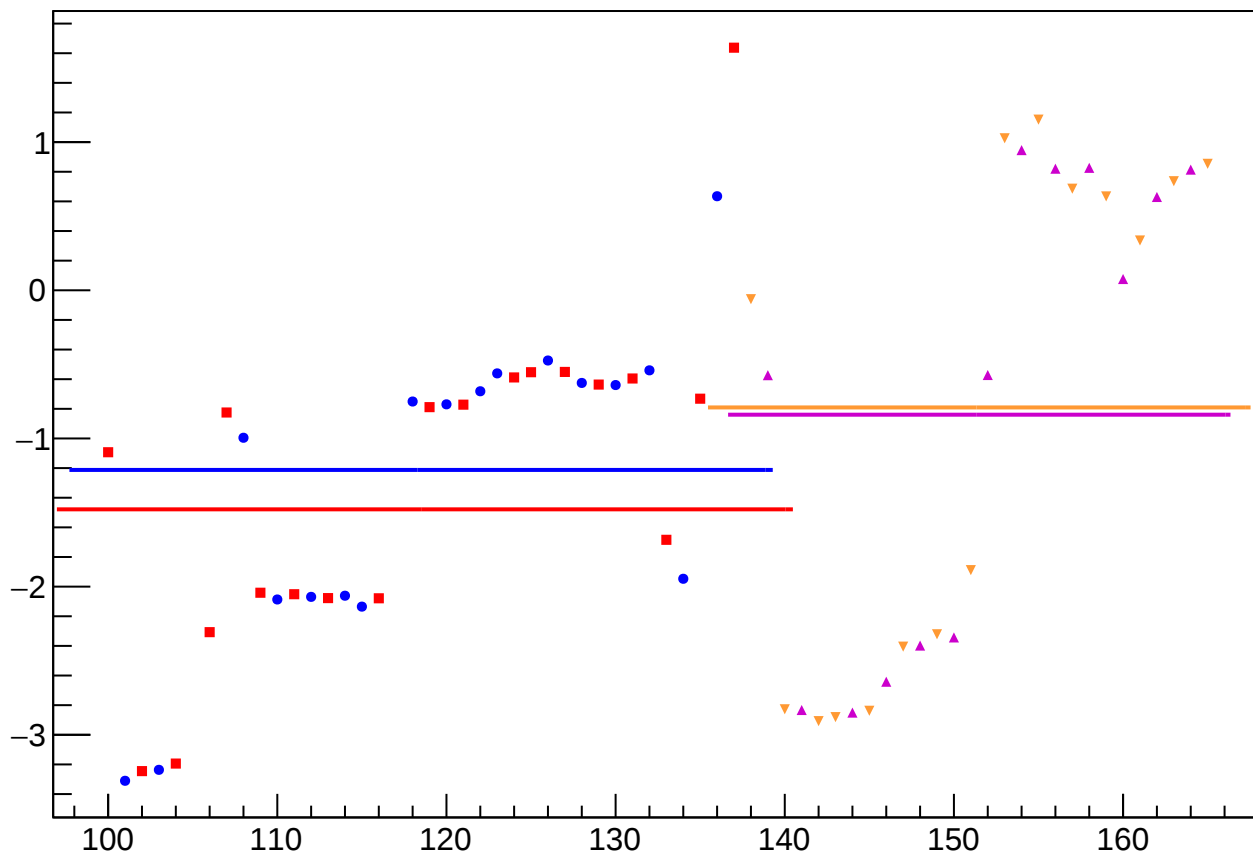
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:223628.1/12

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1079073.9/31

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2267440.3/63

- 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: -0.791+/-0.000 χ^2/NDF : 5108483277.7/14

Right Out: -1.478+/-0.000 χ^2/NDF : 1578264383.8/18

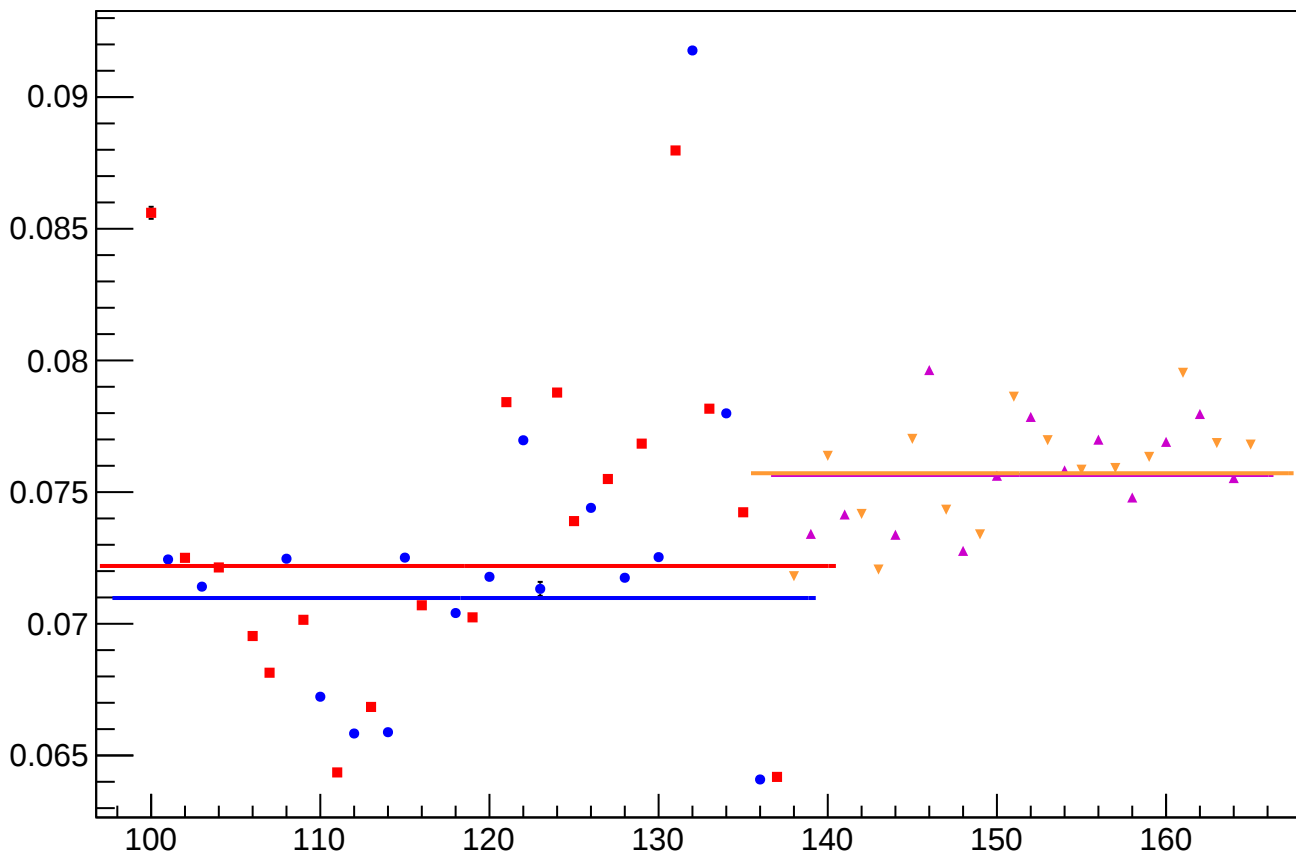
Left In: -0.840+/-0.000 χ^2/NDF : 4200057566.3/12

+ sign -0.962+/-0.000 χ^2/NDF : 7238992365.6/31

All: -1.037+/-0.000 χ^2/NDF : 13363935120.0/31

- 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 : 17514.3/14

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

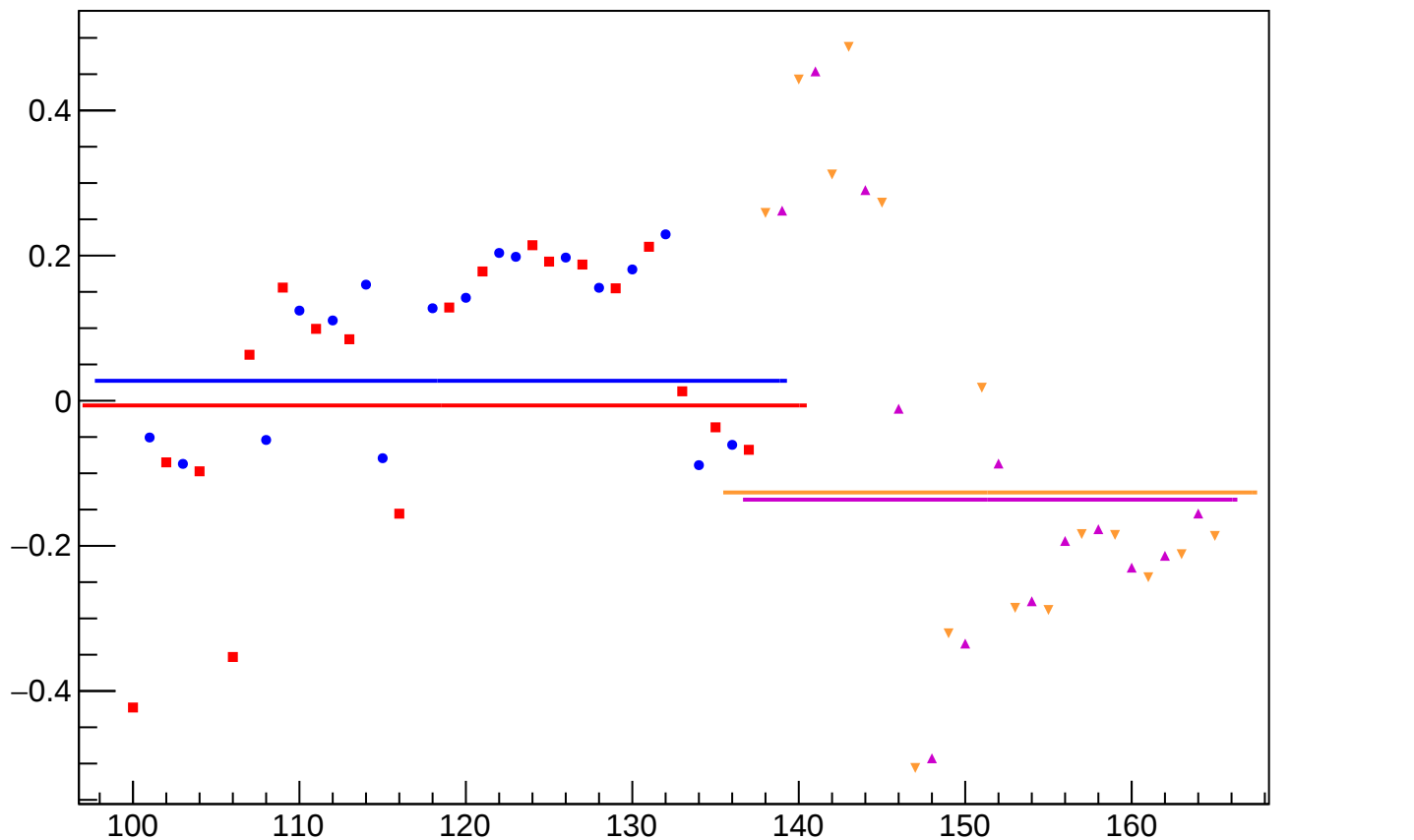
Left In: 0.076+/-0.000 χ^2/NDF : 13449.1/12

+ sign 0.074+/-0.000 χ^2/NDF : 129845.4/31

All: 0.074+/-0.000 χ^2/NDF : 235091.3/63

- 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: -0.126+/-0.000 χ^2/NDF : 13748796297.1/14

Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

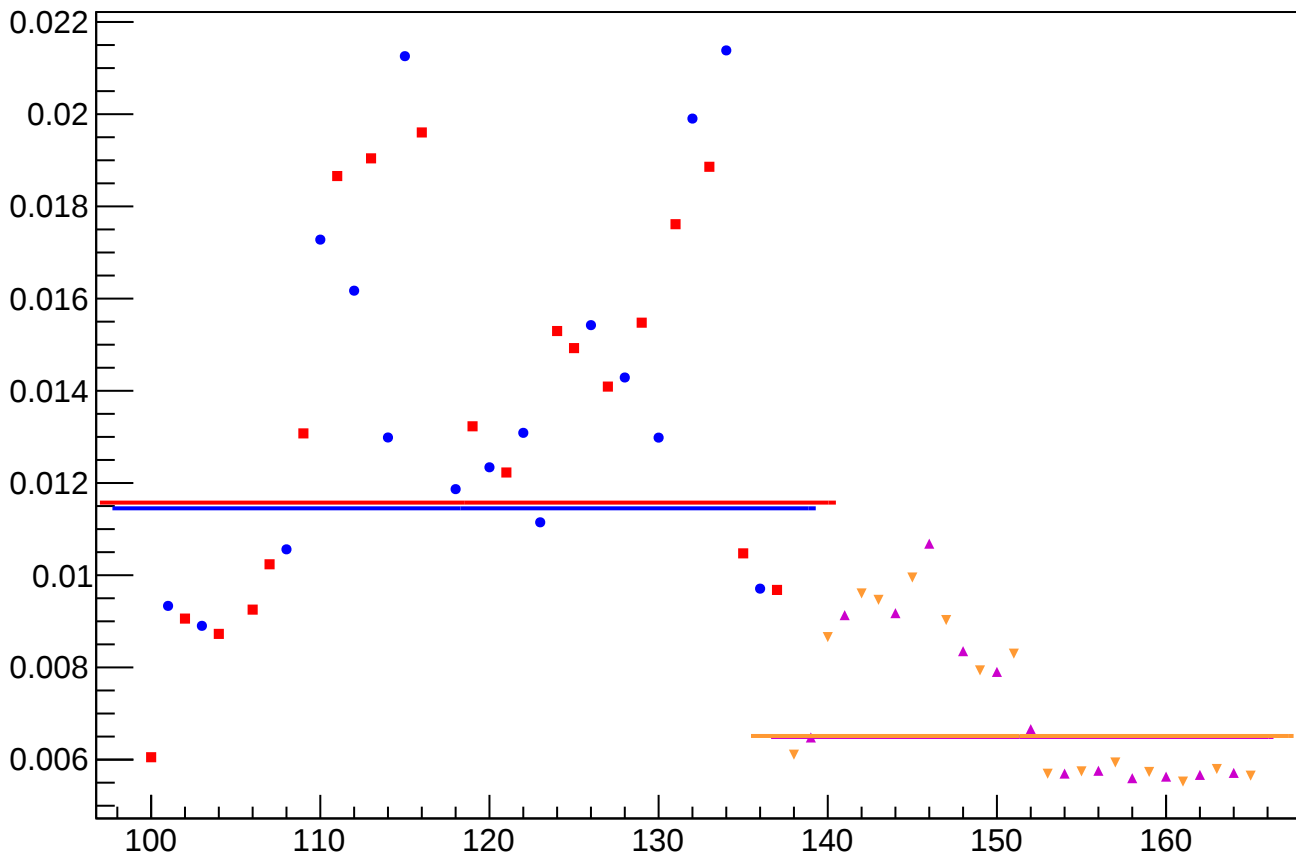
Left In: -0.136+/-0.000 χ^2/NDF : 10204014022.9/12

+ sign -0.102+/-0.000 χ^2/NDF : 15185797331.1/31

All: -0.108+/-0.000 χ^2/NDF : 27231680716.7/31

- sign -0.115+/-0.000 χ^2/NDF : 12024962341.1/31

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 679628.0/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:872919.5/14

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 997161.1/18

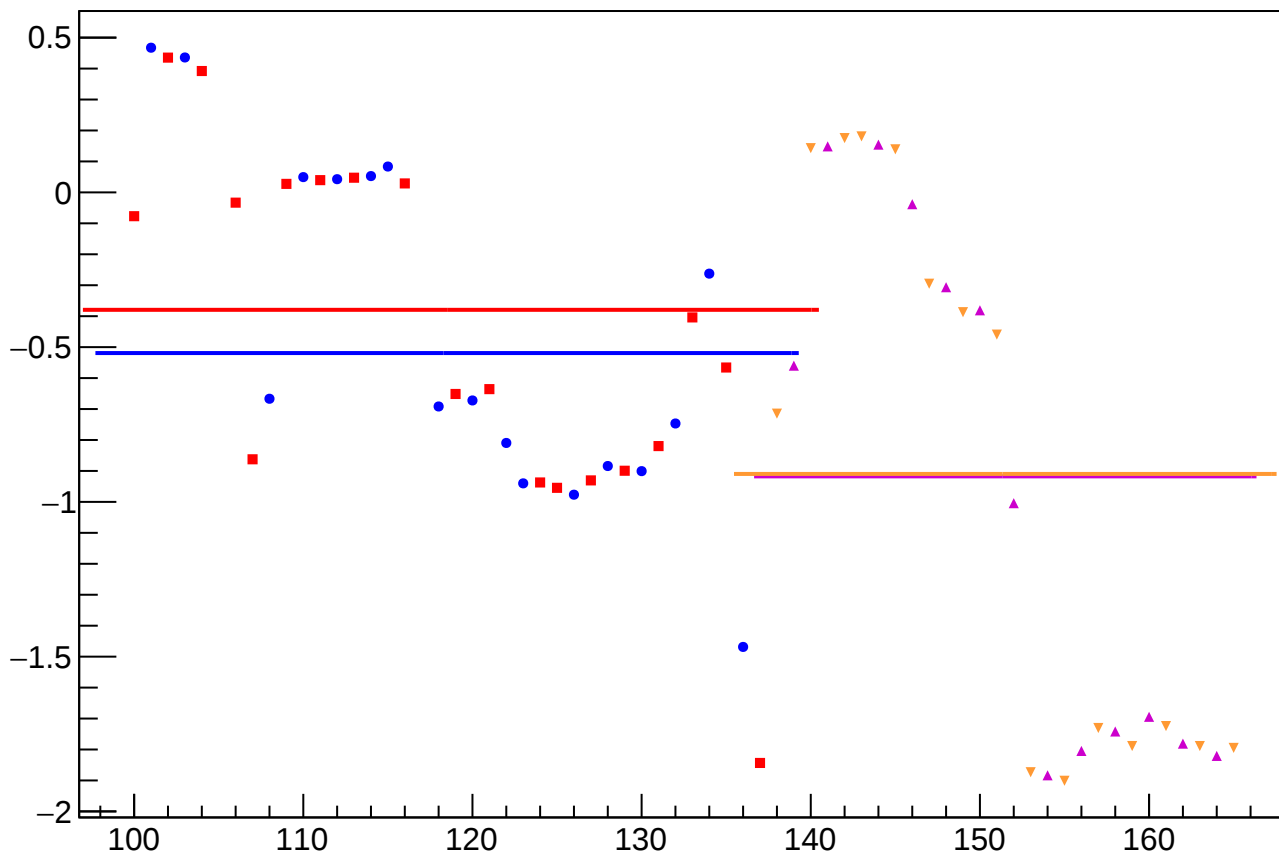
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:777967.6/12

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3353804.0/31

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7036496.1/63

- sign 0.007 $\pm$ 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: -0.910+/-0.000 χ^2/NDF : 1010802790.7/14

Right Out: -0.379+/-0.000 χ^2/NDF : 268621179.0/18

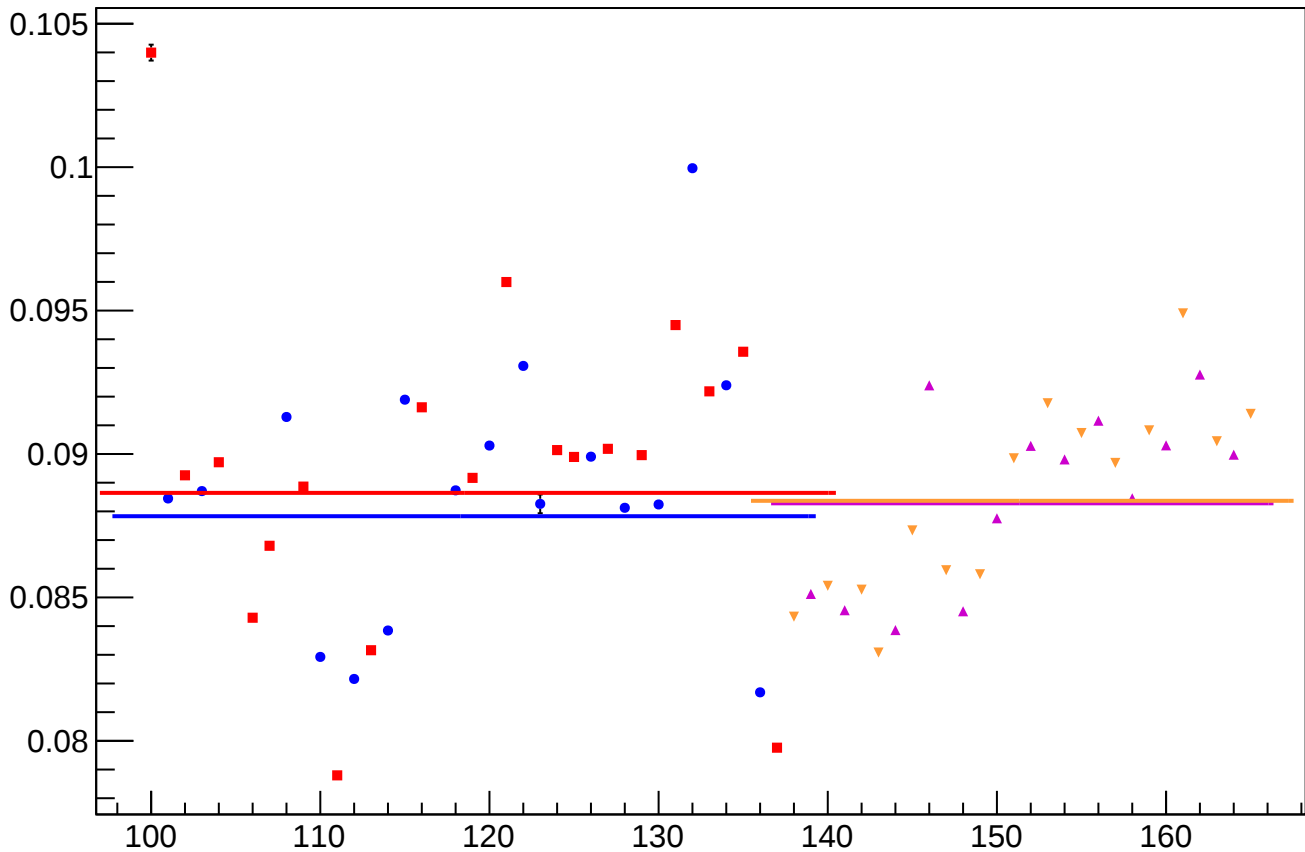
Left In: -0.918+/-0.000 χ^2/NDF : 855517538.9/12

+ sign -0.761+/-0.000 χ^2/NDF : 1432130233.5/31

All: -0.730+/-0.000 χ^2/NDF : 2715497159.5/6

- sign -0.698+/-0.000 χ^2/NDF : 1278882098.5/31

yield_bpm0r05X_rms vs Slug



Right In: 0.088 ± 0.000 $\chi^2/\text{NDF}: 34954.4/16$

Left Out: 0.088 ± 0.000 $\chi^2/\text{NDF}: 29361.9/14$

Right Out: 0.089 ± 0.000 $\chi^2/\text{NDF}: 39722.9/18$

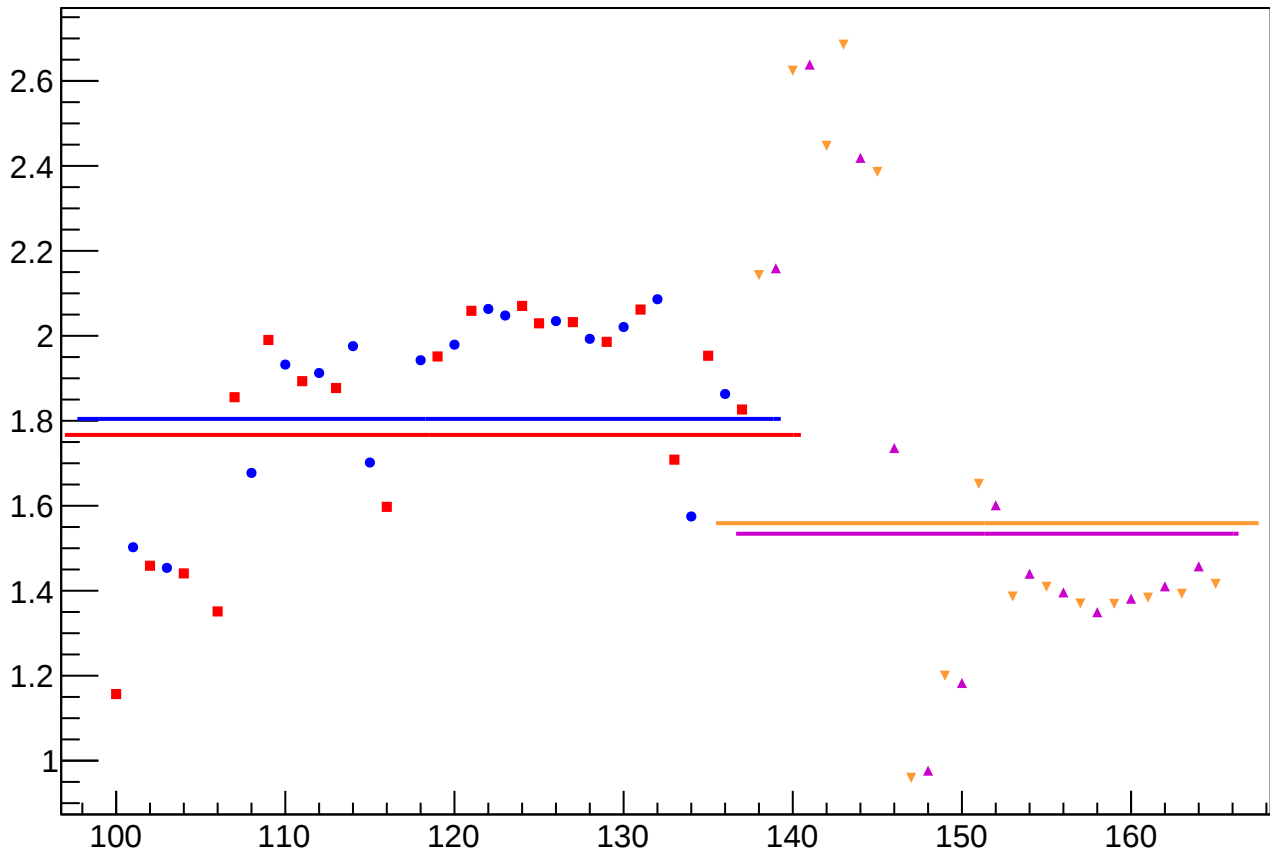
Left In: 0.088 ± 0.000 $\chi^2/\text{NDF}: 23833.9/12$

+ sign 0.088 ± 0.000 $\chi^2/\text{NDF}: 64626.1/31$

All: 0.088 ± 0.000 $\chi^2/\text{NDF}: 128482.3/63$

- sign 0.088 ± 0.000 $\chi^2/\text{NDF}: 63698.2/31$

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 ± 0.000 χ^2/NDF : 1156747883.2/16

Left Out: 1.559 ± 0.000 χ^2/NDF : 23234801495.7/14

Right Out: 1.767 ± 0.000 χ^2/NDF : 1709259284.5/18

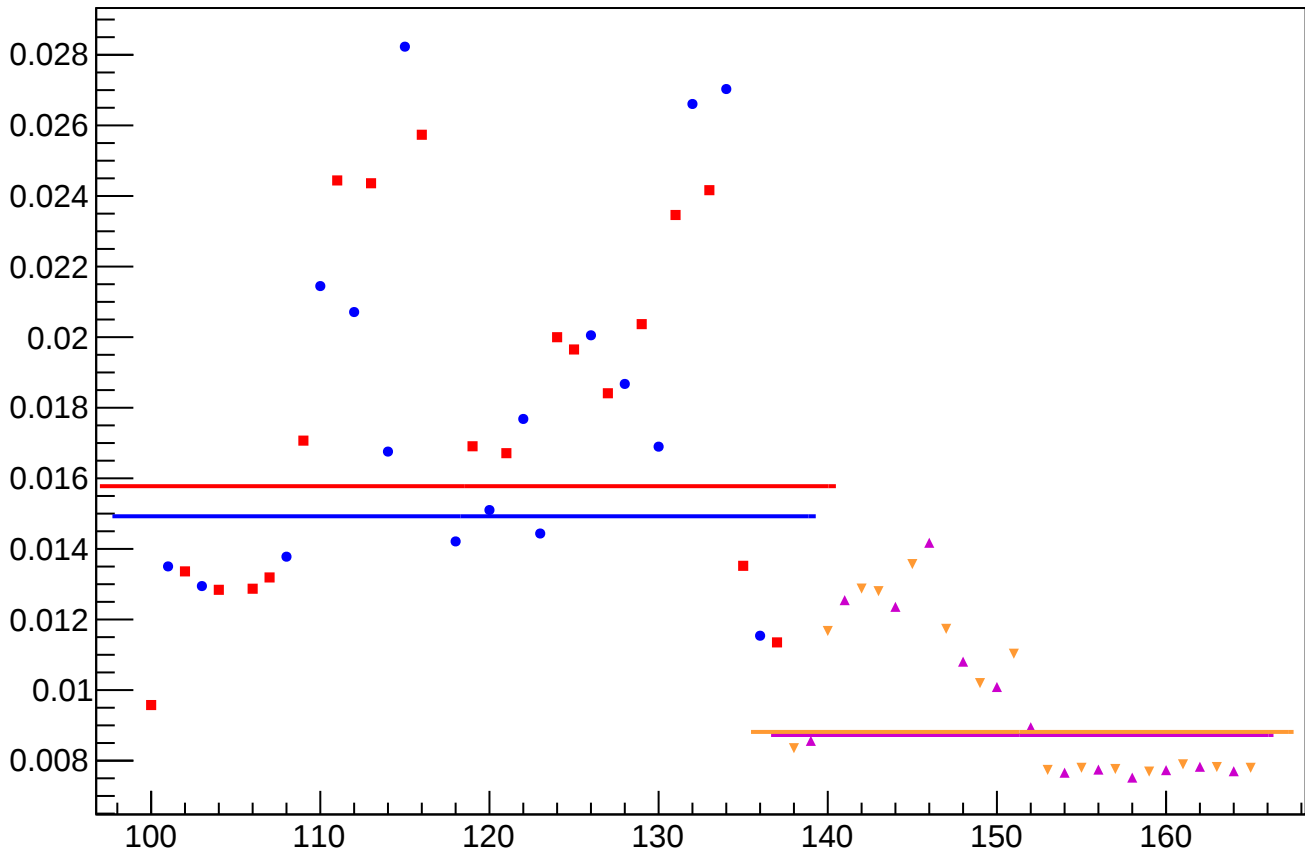
Left In: 1.534 ± 0.000 χ^2/NDF : 17869355457.0/12

+ sign 1.600 ± 0.000 χ^2/NDF : 25689852997.6/31

All: 1.586 ± 0.000 χ^2/NDF : 46421735096.9/6

- sign 1.572 ± 0.000 χ^2/NDF : 20675140371.8/31

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.009+/-0.000 χ^2/NDF : 804202.4/14

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

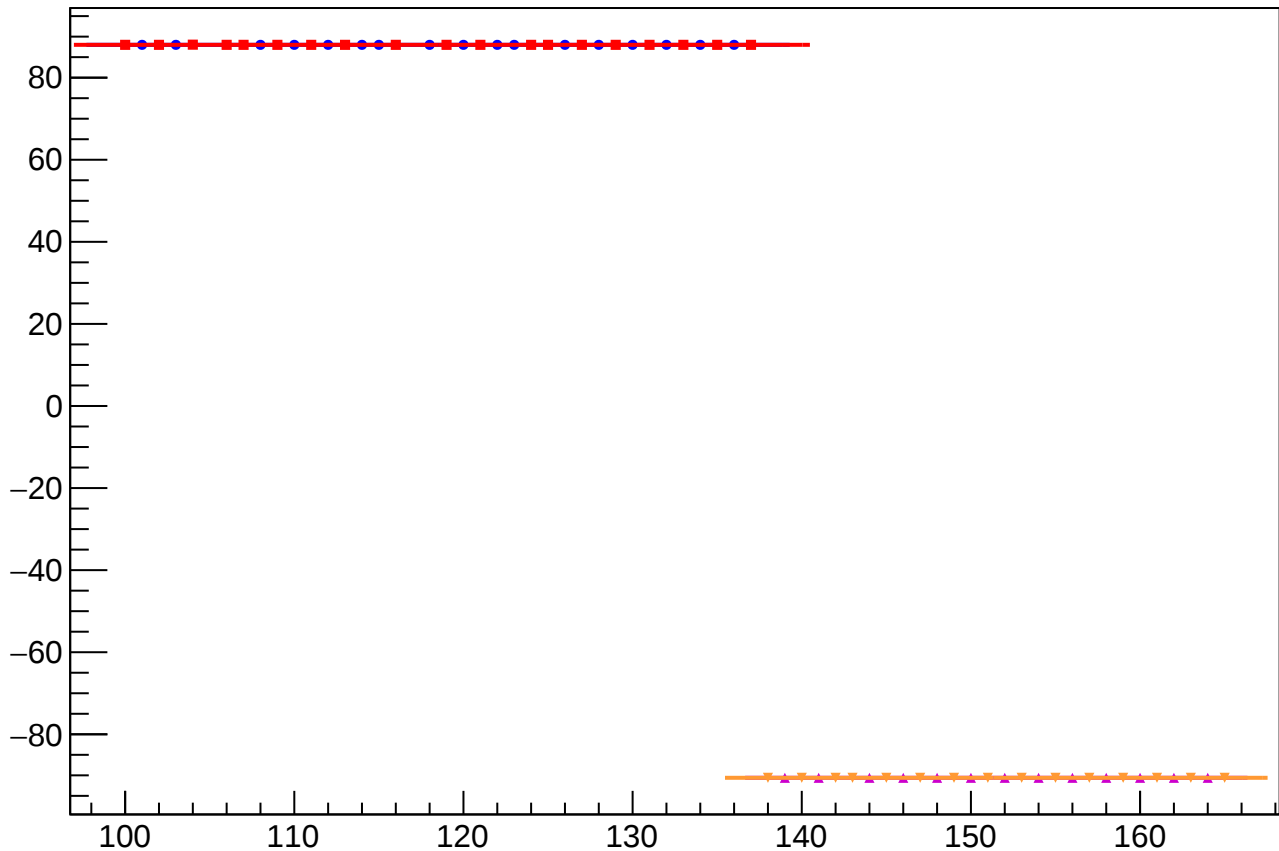
Left In: 0.009+/-0.000 χ^2/NDF : 723910.4/12

+ sign 0.010+/-0.000 χ^2/NDF : 3057551.4/31

All: 0.010+/-0.000 χ^2/NDF : 6582785.1/63

- sign 0.010+/-0.000 χ^2/NDF : 3524726.4/31

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1852068.7/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5306597.9/14

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

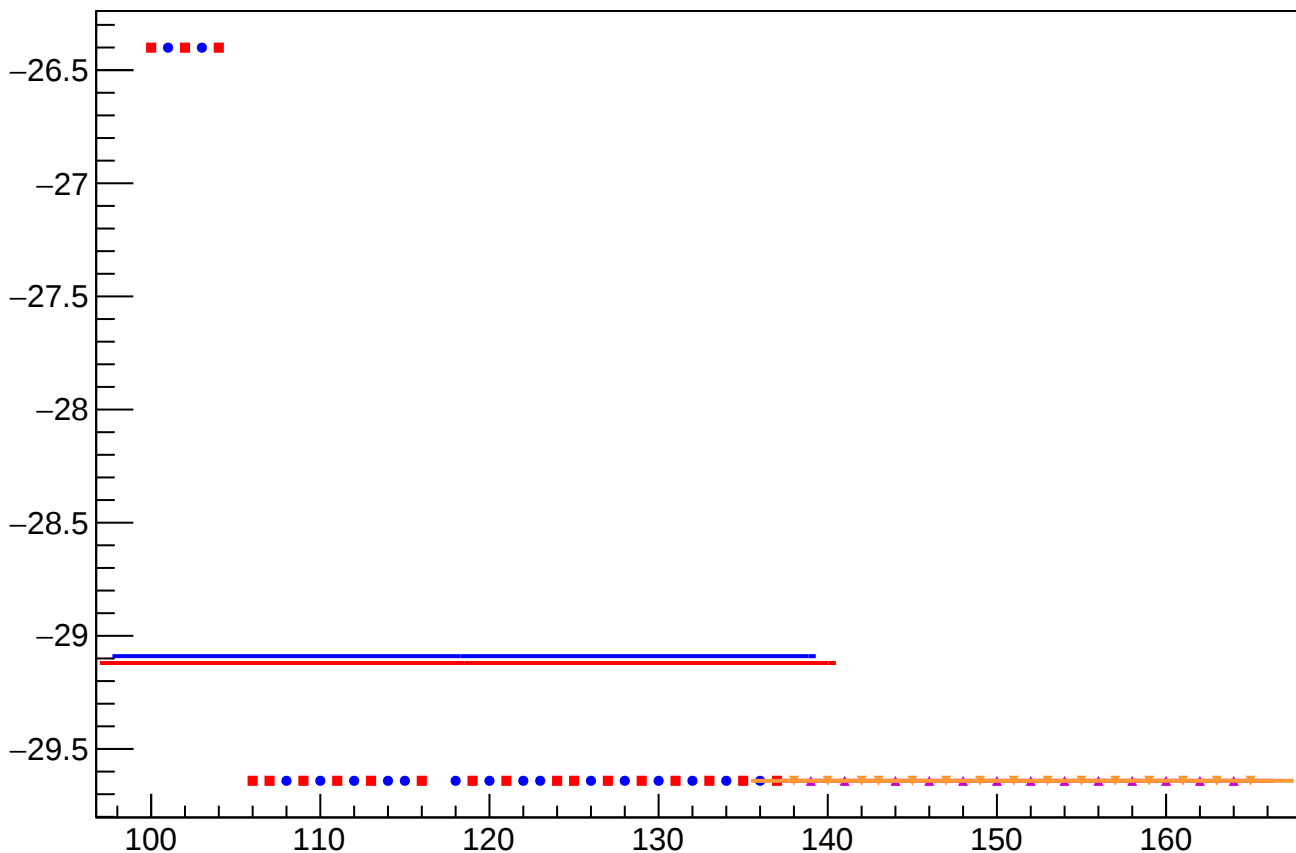
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 2934916.0/12

+ sign -23.309 $\pm$ 0.000 χ^2 /NDF: 137966816001737

All: -20.834 $\pm$ 0.000 χ^2 /NDF: 275245960302

- sign -18.277 $\pm$ 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 : 218091.6/14

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

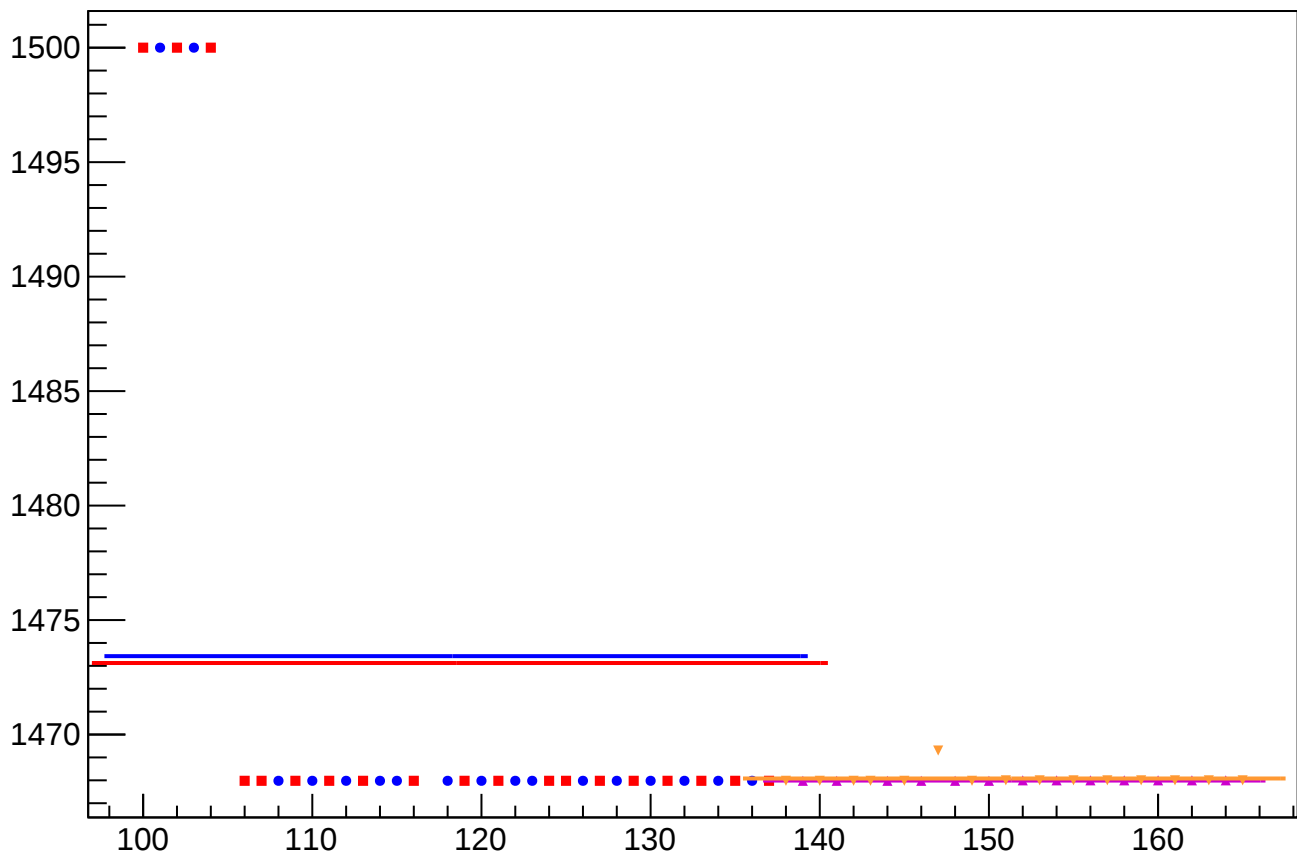
Left In: -29.641+/-0.000 χ^2/NDF : 88301.9/12

+ sign -29.433+/-0.000 χ^2/NDF : 115936360651464

All: -29.432+/-0.000 χ^2/NDF : 229787106604

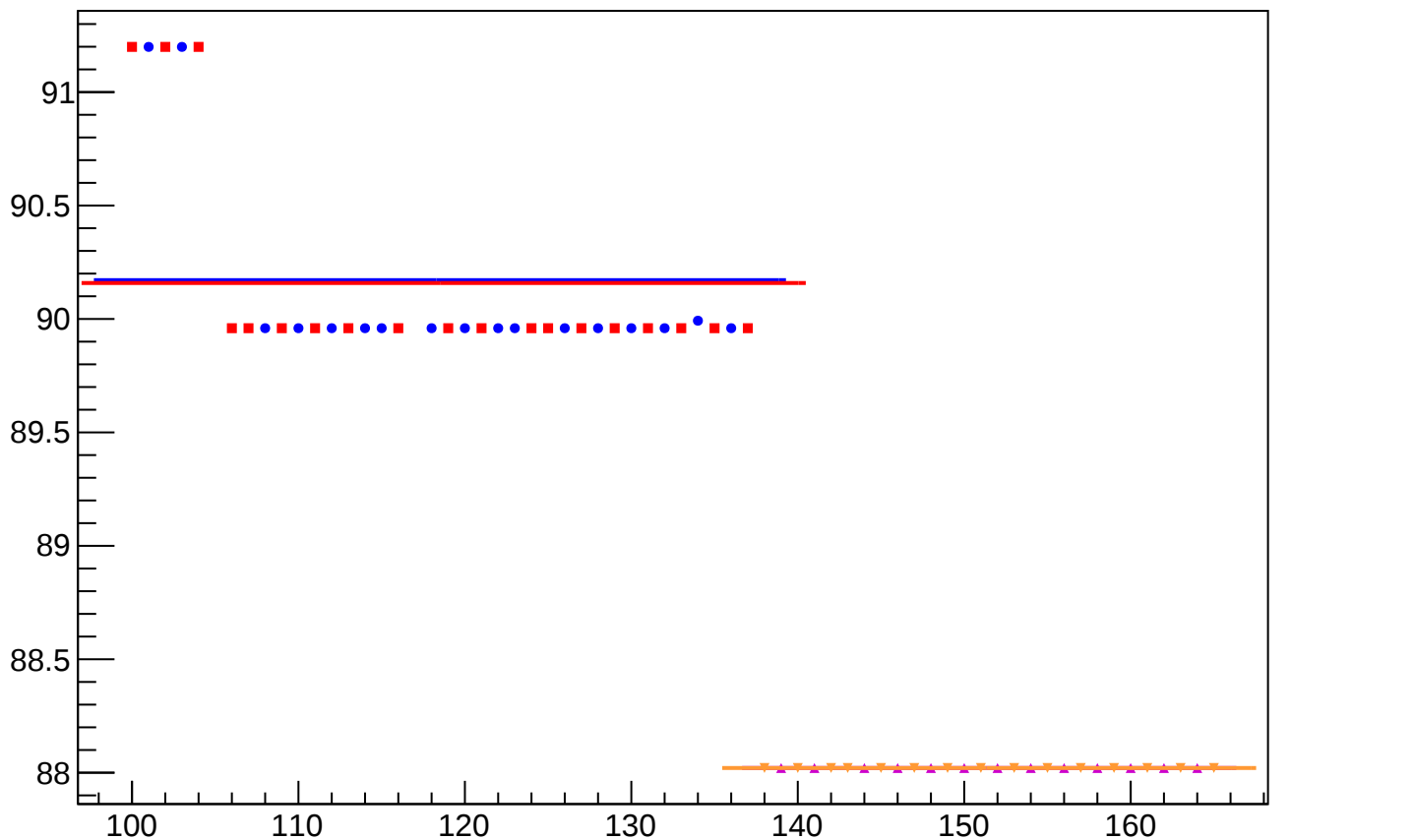
- sign -29.430+/-0.000 χ^2/NDF : 1138497984969132

epics_psub_pl_poss_mean vs Slug



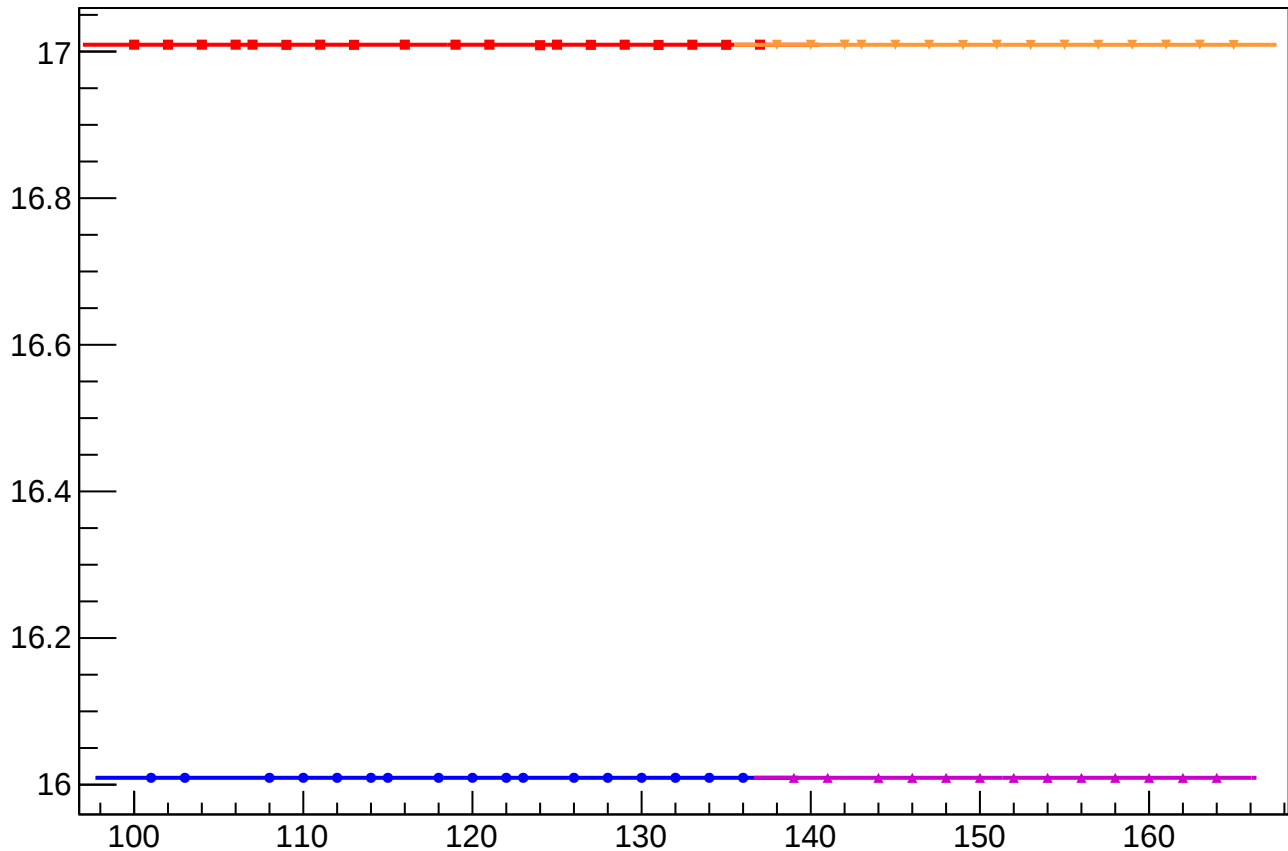
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16
 Left Out: 1468.080+/-0.000 χ^2/NDF : 124941602692703515672762310983680.0/14
 Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18
 Left In: 1467.990+/-0.000 χ^2/NDF : 105771913263444913089585086464.0/12
 All: 1470.081+/-0.000 χ^2/NDF : 22405583827
 + sign 1470.093+/-0.000 χ^2/NDF : 11289712589581
 - 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: 4477599.7/14
 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 88.831 $\pm$ 0.000 χ^2 /NDF: 2150465044832761
 All: 88.858 $\pm$ 0.000 χ^2 /NDF: 4266511796970
 - 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: 17725488698456462548008960.0/14

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12516014336037541461884928.0/18

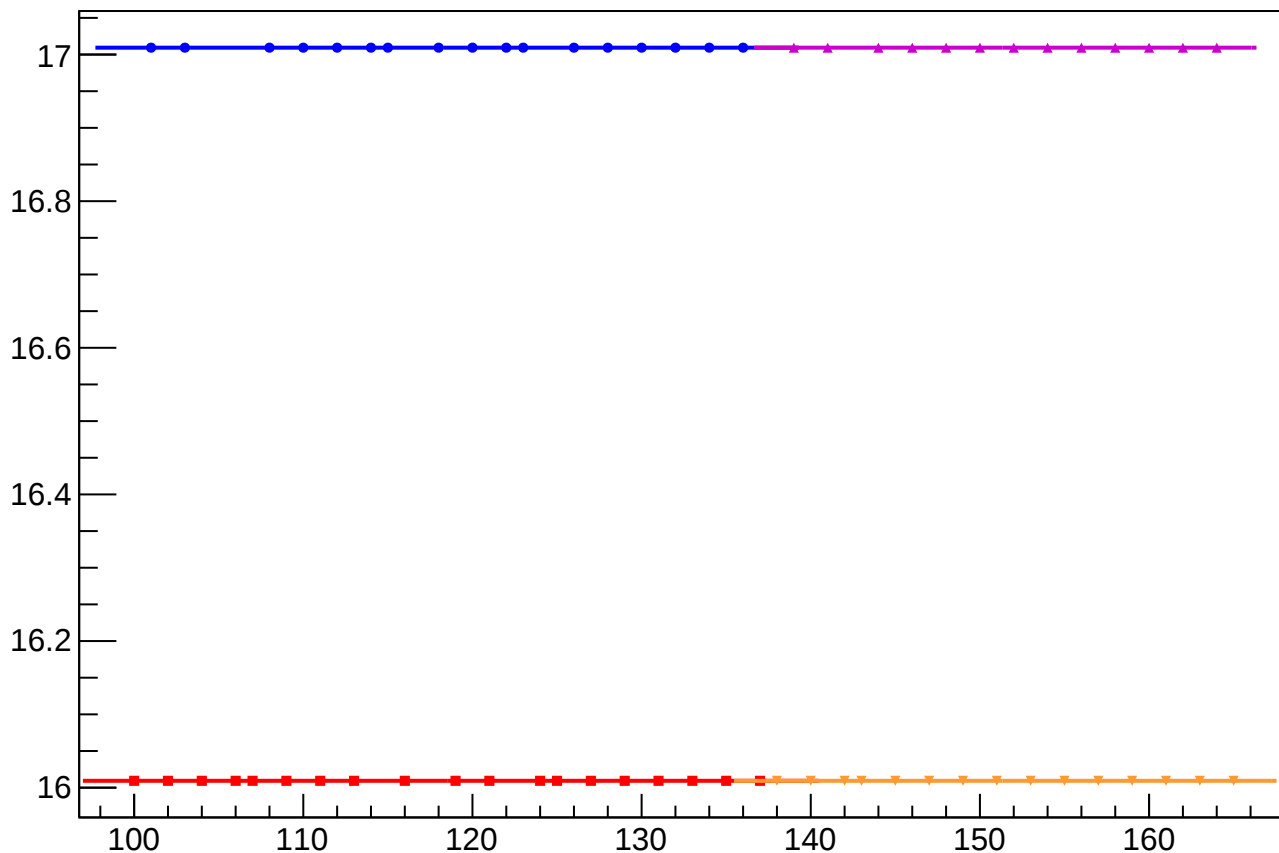
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 48808.4/12

+ sign 16.621 $\pm$ 0.000 χ^2 /NDF: 4051478076221618

All: 16.517 $\pm$ 0.000 χ^2 /NDF: 8360888147472

- sign 16.408 $\pm$ 0.000 χ^2 /NDF: 3929670879032320

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 53857.1/14

Right Out: 16.009+/-0.000 χ^2/NDF : 39518.8/18

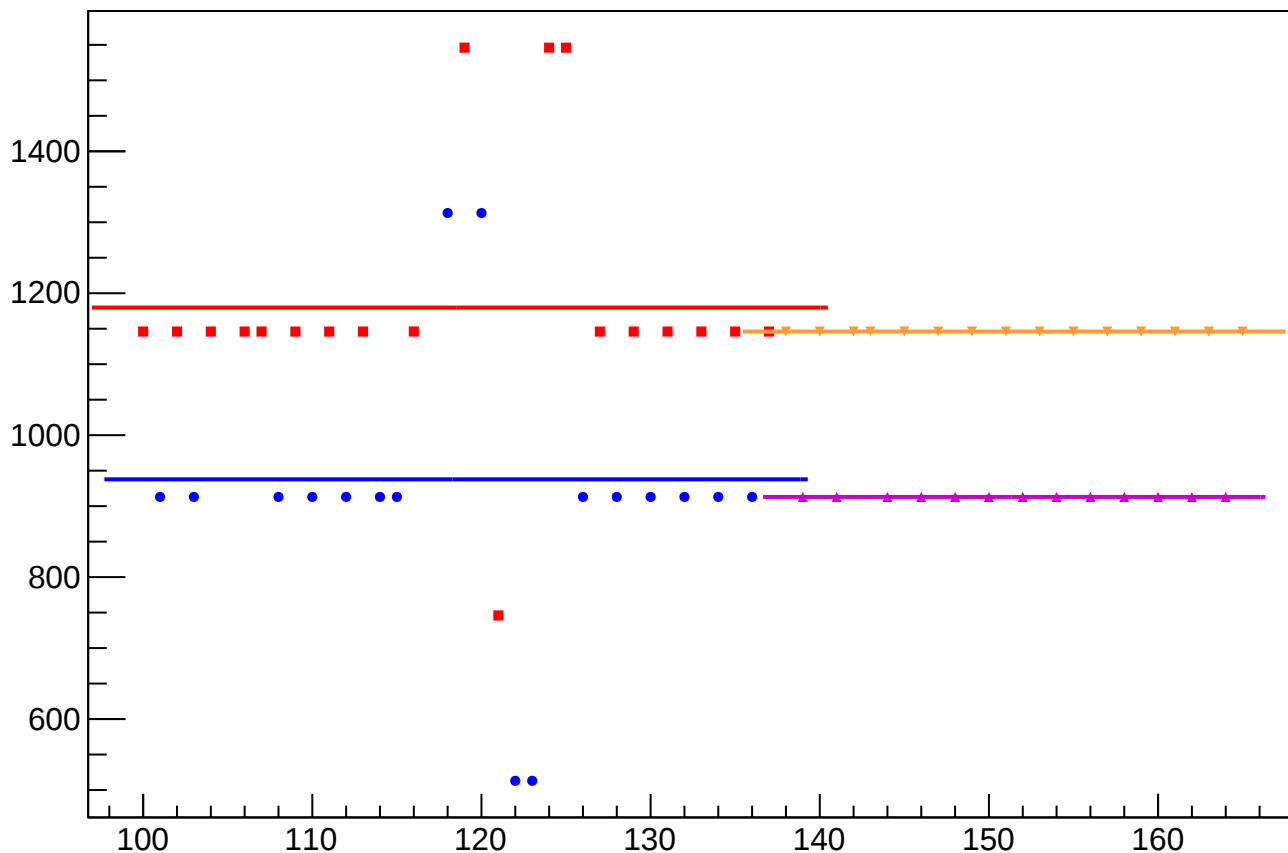
Left In: 17.009+/-0.000 χ^2/NDF : 35404.1/12

+ sign 16.377+/-0.000 χ^2/NDF : 4188013318534909

All: 16.488+/-0.000 χ^2/NDF : 8878766160764

- sign 16.602+/-0.000 χ^2/NDF : 4238695899771843

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

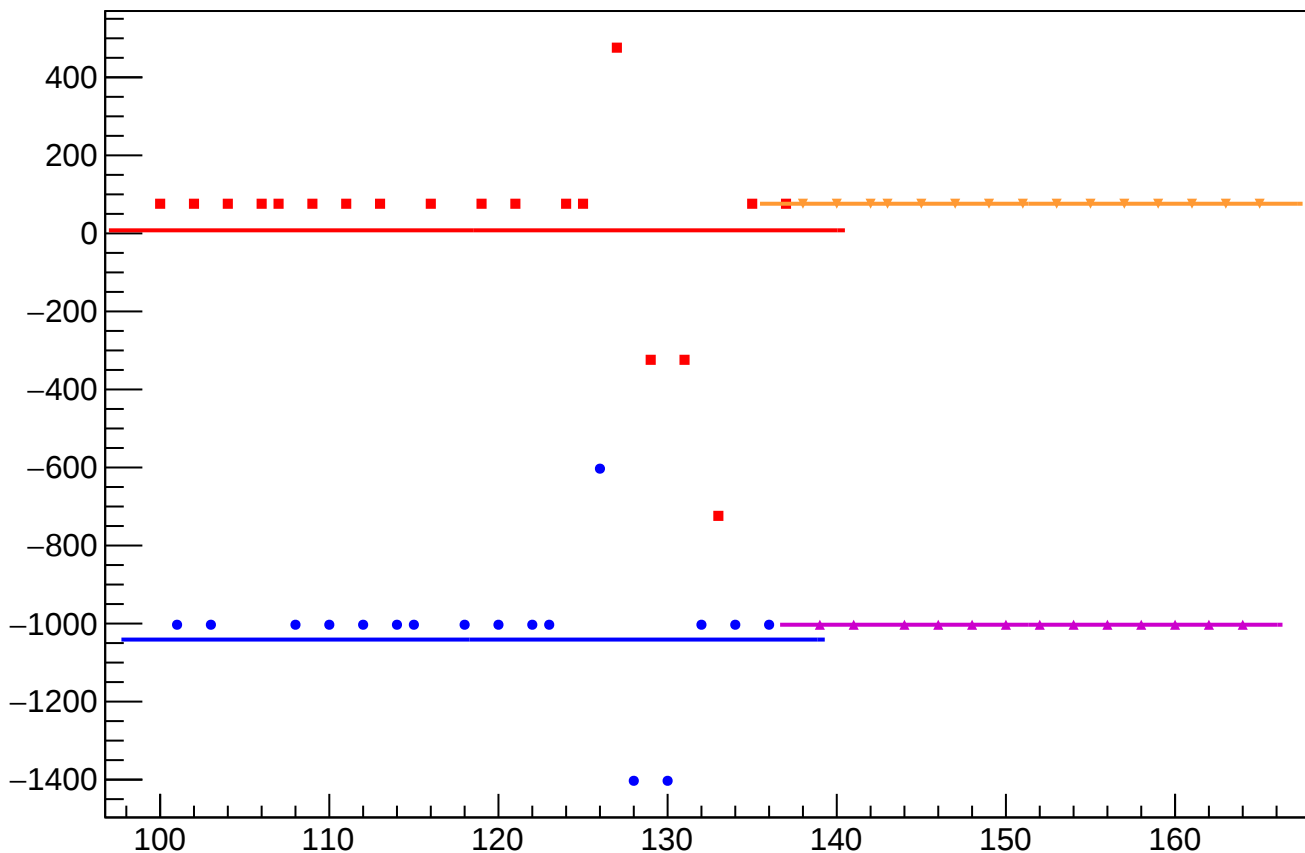
Left Out: 1146.011+/-0.000 χ^2/NDF : 3929071625948071457223344128.0/14

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: 1044.675+/-0.000 χ^2/NDF : 93571359004.0/60

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 : 9503546090928079927311859712.0/14

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18

Left In: -1002.990+/-0.000 χ^2/NDF : 1387058346642824405245231104.0/12

All: -467.230+/-0.000 χ^2/NDF : 11013204114

- sign -593.659+/-0.000 χ^2/NDF : 482861127288380